

PUBLICATIONS

Peter John Bussey.

Experimental Work.

CERN SC and Daresbury.

- 1 The total cross sections for pion-proton scattering between 70 MeV and 290 MeV
A A Carter et al., Nucl. Phys. B26 (1971) 445-460
- 2 The $\pi^- p \rightarrow \pi^0 n$ charge-exchange cross-sections between 90 MeV and 290 MeV
D V Bugg et al., Nucl. Phys. B26 (1971) 588-596
- 3 πp elastic scattering from 88 to 292 MeV
P J Bussey et al., Nucl. Phys. B58 (1973) 363-377
- 4 The recoil proton polarization in the reaction $\gamma p \rightarrow \pi^0 p$ in the third resonance region
M N Prentice et al., Nucl. Phys. B41 (1972) 353-364
- 5 A measurement of the beam asymmetry parameter for neutral pion production in the energy range 1.2-2.8 GeV
P J Bussey et al., Nucl. Phys. B104 (1976) 253-276
- 6 The polarised beam asymmetry in photoproduction of eta mesons from protons at 2.5 GeV and 3.0 GeV
P J Bussey et al., Phys. Lett. 61B (1976) 479-482
- 7 Double polarisation measurements in meson photoproduction
P J Bussey et al., proc. conf. High Energy Physics with Polarised Beams and Targets, Argonne 1976 345-351
- 8 Polarisation parameters in positive pion photoproduction
P J Bussey et al., Nucl. Phys. B154 (1979) 205-225
- 9 Polarisation parameters in neutral pion photoproduction
P J Bussey et al., Nucl. Phys. B154 (1979) 492-502
- 10 Measurements of the double polarisation parameters G and H in neutral pion photoproduction
P J Bussey et al., Nucl. Phys. B159 (1979) 383-396
- 11 Measurements of the polarisation parameters G and H in positive pion photoproduction
P J Bussey et al., Nucl. Phys. B169 (1980) 403-414
- 12 The polarised target asymmetry in photoproduction of eta mesons from protons at 4 GeV
P J Bussey et al., Nucl. Phys. B185 (1981) 269-27

The Omega Photon Collaboration at CERN SPS.

- 13 Jet-like structure in the reaction $\gamma p \rightarrow \pi^+ \pi^- \pi^+ \pi^- \pi^+ \pi^- p$
D Aston et al., Nucl. Phys. B166 (1980) 1-24
- 14 Observation of a charmed neutral meson produced in a high-energy photon interaction
M I Adamovich et al., Phys. Lett. 89B (1980) 427-431
- 15 Observation of an $\omega \pi^0$ state of mass 1.25 GeV produced by photons of energy 20-70 GeV
D Aston et al., Phys. Lett. 92B (1980) 211-214
- 16 Observation of the $\rho'(1600)$ in the channel $\gamma p \rightarrow \pi^+ \pi^- p$
D Aston et al., Phys. Lett. 92B (1980) 215-218
- 17 Observation of a threshold enhancement in the reaction $\gamma p \rightarrow K^+ K^- \pi^+ \pi^- p$ at γ energies of 20-70 GeV
D Aston et al., Phys. Lett. 92B (1980) 219-222
- 18 Proton-antiproton states in high energy photoproduction
D Aston et al., Phys. Lett. 93B (1980) 517-520
- 19 Photoproduction of charmed D mesons at γ energies of 40-70 GeV
D Aston et al., Phys. Lett. 94B (1980) 113-117

- 20 Photoproduction of K^+K^- pairs on hydrogen at photon energies of 20 to 36 GeV
 D Aston et al., Nucl. Phys. B172 (1980) 1-24
- 21 The reactions $\gamma p \rightarrow \omega\pi^+\pi^-p$ and $\gamma p \rightarrow \eta\pi^+\pi^-p$ at photon energies of 25 to 70 GeV
 D Aston et al., Nucl. Phys. B174 (1980) 269-276
- 22 Inclusive photoproduction of ϕ -mesons at photon energies of 25 to 70 GeV
 D Aston et al., Nucl. Phys. B179 (1981) 215-225
- 23 A high energy tagged polarised photon beam
 P J Bussey et al., proc. *High-Energy Physics with Polarised Beams and Polarised Targets*, eds. C Joseph and J Soffer (Birkhäuser, 1981) 478-481
- 24 Observation of charmed particles produced by high-energy photons in nuclear emulsions coupled with a magnetic spectrometer
 M I Adamovich et al., proc. XX Int. Conf. on High Energy Physics 1980 (Madison, Wisconsin), eds. L. Durand and L. G. Pondrom (Am. Inst. Physics, New York, 1981) 342-351
- 25 Associated photoproduction of a charmed meson and a charmed baryon
 A Forino et al., Lett. al Nuovo Cim. 30 (1981) 66-170
- 26 Observation of pairs of charmed particles produced by high-energy photons in nuclear emulsions coupled with a magnetic spectrometer
 M I Adamovich et al., Phys. Lett. 99B (1981) 271-276
- 27 Photoproduction of charmed F mesons at γ energies of 20 to 70 GeV
 D Aston et al., Phys. Lett. 100B (1981) 91-94
- 28 The reaction $\gamma p \rightarrow p\pi^+\pi^-\pi^+\pi^-$ for photon energies from 25 to 70 GeV
 D Aston et al., Nucl. Phys. B189 (1981) 15-39
- 29 A search for the decays of F into ρ mesons in a photoproduction experiment.
 D Aston et al., Nucl. Phys. B189 (1981) 205-211
- 30 Evidence for a high mass enhancement in K^+K^- photoproduction
 D Aston et al., Phys. Lett. 104B (1981) 231-234
- 31 Observation of the photoproduction of a \bar{D}^0D^0 pair of charmed mesons
 M I Adamovich et al., Pis'ma Zh. Eksp. Teor. Fiz. 34 (1981) 477-482;
 JETP Lett. 34 (1981) 456-461
- 32 The decay of the $\rho'(1600)$ into $\pi^+\pi^-\pi^0\pi^0$
 M Atkinson et al., Phys. Lett. 108B (1982) 55-57
- 33 Radiation from planar channeled 5-55 GeV/c positrons and electrons
 M Atkinson et al., Phys. Lett. 110B (1982) 162-166
- 34 Inclusive production of lambdas and antilambdas in γp interactions, for photon energies between 25 and 70 GeV
 D Aston et al., Nucl. Phys. B195 (1982) 189-202
- 35 A study of inclusive photoproduction of hyperons and antihyperons in the range of 20 to 70 GeV
 D Aston et al., Nucl. Phys. B198 (1982) 189-208
- 36 The 25-70 GeV tagged photon facility at CERN.
 D Aston et al., Nucl. Instr. Meth. 197 (1982) 287-296
- 37 Photoproduction of ρ^0 and ω on hydrogen at photon energies of 20 to 70 GeV
 D Aston et al., Nucl. Phys. B209 (1982) 56-76
- 38 Further evidence for photoproduction of charmed F -mesons
 M Atkinson et al., Z. Phys. C17 (1983) 1-4
- 39 Photoproduction of an isoscalar 3π resonance at 1.67 GeV
 M Atkinson et al., Phys. Lett. 127B (1983) 132-136

- 40 A polarised high energy tagged photon beam
 P J Bussey et al., Nucl. Instr. Meth. 211 (1983) 301-308
- 41 The reaction $\gamma p \rightarrow p\omega\pi^+\pi^-$ for photon energies of 25-50 GeV
 M Atkinson et al., Nucl. Phys. B229 (1983) 269-283
- 42 Photoproduction of $KK\pi$ final states in the photon energy range 25 to 70 GeV
 M Atkinson et al., Nucl. Phys. B231 (1984) 1-14
- 43 Photoproduction of $\pi^+\pi^-\pi^0$ on hydrogen with linearly polarised photons of energy 20 to 70 GeV
 M Atkinson et al., Nucl. Phys. B231 (1984) 15-39
- 44 Inclusive photoproduction of $\delta(980)$ and $B(1235)$ at high x_F
 M Atkinson et al., Phys. Lett. 138B (1984) 459-463
- 45 Photoproduction of $\rho\rho$ and ρf systems.
 M Atkinson et al., Nucl. Phys. B239 (1984) 1-14
- 46 Observation of a peak at 1.28 GeV in the $\eta\pi\pi$ system in the reaction $\gamma p \rightarrow \eta\pi^+\pi^-p$
 M Atkinson et al., Nucl. Phys. B242 (1984) 269-281
- 47 A spin-parity analysis of the $\omega\pi^0$ enhancement photoproduced in the energy range 20-70 GeV
 M Atkinson et al., Nucl. Phys. B243 (1984) 1-28
- 48 Inclusive photoproduction of ρ and ω in the photon energy range 20 to 70 GeV
 M Atkinson et al., Nucl. Phys. B245 (1984) 189-214
- 49 Photoproduction of multiparticle states in the beam fragmentation region for photon energies in the range 50-70 GeV
 M Atkinson et al., Z. Phys. C26 (1984) 19-26
- 50 The $\rho'(1600)$ in the reaction $\gamma p \rightarrow \pi^+\pi^-\pi^+\pi^-$ at photon energies of 20-70 GeV
 M Atkinson et al., Z. Phys. C26 (1985) 499-506
- 51 Photoproduction of ϕ mesons by linearly polarised photons of energy 20-40 GeV and further evidence for a photoproduced high-mass KK enhancement.
 M Atkinson et al., Z. Phys. C27 (1985) 233-238
- 52 Evidence for a $\omega\rho^\pm\pi^\pm$ state in diffractive photoproduction
 M Atkinson et al., Z. Phys. C29 (1985) 333-338
- 53 Inclusive photoproduction of ϕ , $K^*(890)$ and $K^*(1420)$ in the photon energy range 20 to 70 GeV
 M Atkinson et al., Z. Phys. C30 (1986) 521-530
- 54 Study of $\eta\pi^+\pi^-$ states in the $\rho'(1600)$ mass region photoproduced in the reaction
 $\gamma p \rightarrow \eta\pi^+\pi^-p$ at photon energies of 20 to 70 GeV
 M Atkinson et al., Z. Phys. C30 (1986) 531-540
- 55 Search for a ϕ' vector meson in diffractive photoproduction of $K^+K^-\pi^+\pi^-$
 M Atkinson et al., Z. Phys. C30 (1986) 541-544
- 56 Diffractive photoproduction of a b_1p system.
 M Atkinson et al., Z. Phys. C34 (1987) 157-162
- 57 A peak in the $\eta\omega$ mass spectrum from diffractive photoproduction
 M Atkinson et al., Z. Phys. C34 (1987) 303-306
- 58 Photon diffractive dissociation to $\rho\rho\pi$ and $\rho\pi\pi\pi$ states
 M Atkinson et al., Z. Phys. C38 (1988) 535-542

The PLUTO Collaboration

- 59 Energy moments for quark jets at PETRA
 Ch Berger et al., Z. Phys. C19 (1983) 205-212
- 60 Measurement of the muon pair asymmetry in e^+e^- annihilation at $\sqrt{s} = 347$ GeV
 Ch Berger et al., Z. Phys. C21 (1983) 53-57

- 61 Measurement of transverse momenta in e^+e^- annihilation jets at PETRA
Ch Berger et al., Z. Phys. C22 (1984) 103-107
- 62 Exclusive production of hadron pairs at large momentum transfer in photon-photon reactions
Ch Berger et al., Phys. Lett. 137B (1984) 267-271
- 63 Measurement of the photon structure function $F_2^\gamma(x, Q^2)$
Ch Berger et al., Phys. Lett. 142B (1984) 111-118
- 64 Measurement of deep inelastic electron scattering off virtual photons
Ch Berger et al., Phys. Lett. 142B (1984) 119-124
- 65 Measurement of exclusive η' production in $\gamma\gamma$ reactions
Ch Berger et al., Phys. Lett. 142B (1984) 125-129
- 66 The Q^2 and transverse momentum dependence of jet production in photon-photon interactions
Ch Berger et al., Z. Phys. C26 (1984) 191-198
- 67 Pion pair production in photon-photon interactions
Ch Berger et al., Z. Phys. C26 (1984) 199-207
- 68 Measurement of the total photon-photon cross section for the production of hadrons at small Q^2
Ch Berger et al., Phys. Lett. 149B (1984) 421-426
- 69 Formation of the tensor meson $A_2(1320)$ in photon-photon interactions
Ch Berger et al., Phys. Lett. 149B (1984) 427-432
- 70 A measurement of the Q^2 and W dependence of the $\gamma\gamma$ total cross section for hadron production
Ch Berger et al., Z. Phys. C26 (1984) 353-358
- 71 Sterman-Weinberg jets and energy flow in e^+e^- annihilation at cm energies between 9.4 and 35 GeV
Ch Berger et al., Z. Phys. C27 (1985) 167-175
- 72 Tagged two photon production of muon pairs
Ch Berger et al., Z. Phys. C27 (1985) 249-256
- 73 Tests of the standard model with lepton pair production in e^+e^- reactions
Ch Berger et al., Z. Phys. C27 (1985) 341-349
- 74 Measurement of tau-lepton production and decay
Ch Berger et al., Z. Phys. C28 (1985) 1-8
- 75 A study of energy-energy correlations in e^+e^- annihilations at $\sqrt{s} = 346$ GeV
Ch Berger et al., Z. Phys. C28 (1985) 365-370
- 76 Study of the reaction $\gamma\gamma \rightarrow 2\pi^+2\pi^-\pi^0$ and upper limits on the production of $\gamma\gamma \rightarrow \omega\omega$ and $\gamma\gamma \rightarrow \rho^0\omega$
Ch Berger et al., Z. Phys. C29 (1985) 183-188
- 77 Jet production at high transverse momenta by interactions of two quasi-real photons
Ch Berger et al., Z. Phys. C29 (1985) 499-503
- 78 Evidence for exclusive η_c production in $\gamma\gamma$ interactions
Ch Berger et al., Phys. Lett. 167B (1986) 120-126
- 79 Jet production in photon-photon interactions
Ch Berger et al., Z. Phys. C33 (1987) 351-357
- 80 Measurement and QCD analysis of the photon structure function $F_2(x, Q^2)$
Ch Berger et al., Nucl. Phys. B281 (1987) 365-380
- 81 Tensor meson excitation in the reaction $\gamma\gamma \rightarrow K_s^0\bar{K}_s^0$
Ch Berger et al., Z. Phys. C37 (1988) 329-336
- 82 Measurement and analysis of the reaction $\gamma\gamma \rightarrow \pi^+\pi^-\pi^+\pi^-$
Ch Berger et al., Z. Phys. C38 (1988) 521-534

The CELLO Collaboration

P. J. Bussey

- 83 Limits on spin 0 bosons in e^+e^- annihilation up to 45.2 GeV cm energy
 H-J Behrend et al., Phys. Lett. 140B (1984) 130-136
- 84 Observation of a multiparticle event with two isolated energetic muons in e^+e^- interactions
 H-J Behrend et al., Phys. Lett. 141B (1984) 145-152
- 85 Search for new heavy quarks in e^+e^- collisions up to 46.78 GeV
 H-J Behrend et al., Phys. Lett. 144B (1984) 297-301
- 86 An investigation of the processes $e^+e^- \rightarrow \mu^+\mu^-\gamma$ and $e^+e^- \rightarrow e^+e^-\gamma$
 H-J Behrend et al., Phys. Lett. 158B (1985) 536-542
- 87 Experimental limit on monojet production in e^+e^- annihilation
 H-J Behrend et al., Phys. Lett. 161B (1985) 182-187
- 88 Excited lepton search.
 H-J Behrend et al., Phys. Lett. 168B (1986) 420-426
- 89 A search for single photons at PETRA
 H-J Behrend et al., Phys. Lett. 176B (1986) 247-254
- 90 Search for light leptoquark bosons
 H-J Behrend et al., Phys. Lett. B178 (1986) 452-456
- 91 Search for excited quarks in e^+e^- interactions with the CELLO detector
 H-J Behrend et al., Phys. Lett. B181 (1986) 178-184
- 92 Determination of α_s and $\sin^2 \theta_W$ from measurements of the total hadronic cross-section in e^+e^- annihilation
 H-J Behrend et al., Phys. Lett. 183B (1987) 400-411
- 93 Searches for supersymmetric particles with the CELLO detector at PETRA
 H-J Behrend et al., Z. Phys. C35 (1987) 181-199
- 94 A measurement of the muon pair production in e^+e^- annihilation at $39.3 \leq \sqrt{s} \leq 46.8$ GeV
 H-J Behrend et al., Phys. Lett. 191B (1987) 209-216
- 95 A search for hadronic events with low thrust and an isolated lepton
 H-J Behrend et al., Phys. Lett. B193 (1987) 157-162
- 96 A search for the production of charged Higgs particles
 H-J Behrend et al., Phys. Lett. B193 (1987) 376-382
- 97 Upper limit for the decay $\tau \rightarrow \eta\pi\nu$
 H-J Behrend et al., Phys. Lett. B200 (1988) 226-230
- 98 A study of the three- and four-photon final states produced in e^+e^- annihilation at $35 \leq \sqrt{s} \leq 46.8$ GeV
 H-J Behrend et al., Phys. Lett. B202 (1988) 154-160
- 99 An analysis of multihadronic events produced with two energetic leptons in e^+e^- annihilation
 H-J Behrend et al., Phys. Lett. B212 (1988) 515-522
- 100 A search for new leptons
 H-J Behrend et al., Z. Phys. C41 (1988) 7-16
- 101 Neutrino counting with the CELLO detector and search for supersymmetric particles
 H-J Behrend et al., Phys. Lett. B215 (1988) 186-194
- 102 $K_s^0 K\pi$ production in tagged and untagged $\gamma\gamma$ interactions
 H-J Behrend et al., Z. Phys. C42 (1989) 367-376
- 103 Measurement of the reaction $\gamma\gamma \rightarrow \rho^+\rho^-$ with the CELLO detector.
 H-J Behrend et al., Phys. Lett. B218 (1989) 493-498
- 104 τ production and decay with the CELLO detector in PETRA
 H-J Behrend et al., Phys. Lett. B222 (1989) 163-172

- 105 An experimental study of e^+e^- annihilation into four leptons at $\sqrt{s} \geq 35$ GeV
H-J Behrend et al., Z. Phys. C43 (1989) 1-14
- 106 The $K_s^0 K_s^0$ final state in $\gamma\gamma$ interactions
H-J Behrend et al., Z. Phys. C43 (1989) 91-96
- 107 Model-independent limits on Λ_{QCD} from e^+e^- annihilation
in the energy range 14 to 46 GeV
H-J Behrend et al., Z. Phys. C44 (1989) 63-70
- 108 Inclusive strange particle production in e^+e^- annihilation
H-J Behrend et al., Z. Phys. C46 (1990) 397-403
- 109 Exclusive τ decays with the CELLO detector at PETRA
H-J Behrend et al., Z. Phys. C46 (1990) 537-546
- 110 $a_2(1320)$ and $\pi_2(1670)$ formation in the reaction $\gamma\gamma \rightarrow \pi^+\pi^-\pi^0$
H-J Behrend et al., Z. Phys. C46 (1990) 583-591
- 111 Measurement of inclusive γ , π^0 and η production in e^+e^- annihilation at $\sqrt{s} \geq 35$ GeV
H-J Behrend et al., Z. Phys. C47 (1990) 1-10
- 112 Heavy quark charge asymmetries with the CELLO detector
H-J Behrend et al., Z. Phys. C47 (1990) 333-339
- 113 Global properties of pion production in the reaction $\gamma\gamma \rightarrow 3\pi^+3\pi^-$
H-J Behrend et al., Phys. Lett. B245 (1990) 298-304
- 114 ρ^0 production in the reaction $\gamma\gamma \rightarrow 3\pi^+3\pi^-$ and search for $\gamma\gamma \rightarrow \rho^0\rho^0(1700)$
H-J Behrend et al., Z. Phys. C49 (1991) 43-48
- 115 A measurement of the π^0 , η and η' electromagnetic form factors
H-J Behrend et al., Z. Phys. C49 (1991) 401-410
- 116 Fractal dimensions from a 3-dimensional intermittency analysis in e^+e^- annihilation
H-J Behrend et al., Phys. Lett. B256 (1991) 97-104
- 117 Cross section measurement and spin-parity analysis of the reaction $\gamma\gamma \rightarrow \omega\rho$
H-J Behrend et al., Phys. Lett. B257 (1991) 505-513
- 118 Limits on electron compositeness from Bhabha scattering
H-J Behrend et al., Z. Phys. C51 (1991) 143-148
- 119 A search for substructure of leptons and quarks with the CELLO detector.
H-J Behrend et al., Z. Phys. C51 (1991) 149-156
- 120 Studies of multihadronic final states in photon-photon interactions
H-J Behrend et al., Z. Phys. C51 (1991) 365-375
- 121 Multihadronic final states in two-photon interactions in CELLO.
P J Bussey, proc. XXVI Rencontre de Moriond (High Energy Hadronic Interactions),
ed. J Trân Than Vân, Editions Frontières (1991) 429-434
- 122 An experimental study of the process $\gamma\gamma \rightarrow \pi^+\pi^-$
H-J Behrend et al., Z. Phys. C56 (1992) 381-390

The ZEUS Collaboration

- 123 A measurement of $\sigma_{tot}(\gamma p)$ at $\sqrt{s} = 210$ GeV
M Derrick et al., Phys. Lett. B293 (1992) 465-477
- 124 Observation of hard scattering in photoproduction at HERA
M Derrick et al., Phys. Lett. B297 (1992) 404-416
- 125 Initial study of deep inelastic scattering with ZEUS at HERA
M Derrick et al., Phys. Lett. B303 (1993) 183-197

- 126 Observation of two-jet production in deep inelastic scattering at HERA
 M Derrick et al., Phys. Lett. B306 (1993) 158-172
- 127 Search for leptoquarks with the ZEUS detector
 M Derrick et al., Phys. Lett. B306 (1993) 173-186
- 128 Hadronic energy distributions in deep-inelastic electron-proton scattering
 M Derrick et al., Z. Phys. C59 (1993) 231-242
- 129 Observation of events with a large rapidity gap in deep inelastic scattering at HERA
 M Derrick et al., Phys. Lett. B315 (1993) 481-493
- 130 Search for excited electrons using the ZEUS detector
 M Derrick et al., Phys. Lett. B316 (1993) 207-218
- 131 Measurement of the proton structure function F_2 in ep scattering at HERA
 M Derrick et al., Phys. Lett. B316 (1993) 412-425
- 132 Observation of direct processes in photoproduction at HERA
 M Derrick et al., Phys. Lett. B322 (1994) 287-300
- 133 Measurement of total and partial photon proton cross sections at 180 GeV center of mass energy
 M Derrick et al., Z. Phys. C63 (1994) 391-408
- 134 Observation of jet production in deep inelastic scattering with a large rapidity gap at HERA
 M Derrick et al., Phys. Lett. B332 (1994) 228-243
- 135 Comparison of energy flows in deep inelastic scattering with and without a large rapidity gap
 M Derrick et al., Phys. Lett. B338 (1994) 483-496
- 136 Photoproduction at ZEUS.
 P J Bussey, proc. XXIX Rencontre de Moriond (QCD and High Energy Hadronic Interactions), ed. J Trân Than VÂN, Editions Frontières (1994) 289-294
- 137 Measurement of the proton structure function F_2 from the 1993 HERA data.
 M Derrick et al., Z. Phys. C65 (1995) 379-398
- 138 A Search for excited fermions in electron-proton collisions at HERA
 M Derrick et al., Z. Phys. C65 (1995) 627-647
- 139 Inclusive jet differential cross sections in photoproduction at HERA
 M Derrick et al., Phys. Lett. B342 (1995) 417-432
- 140 Extraction of the gluon density of the proton at small x
 M Derrick et al., Phys. Lett. B345 (1995) 576-588
- 141 Observation of hard scattering in photoproduction events with a large rapidity gap at HERA
 M Derrick et al., Phys. Lett. B346 (1995) 399-414
- 142 Dijet cross sections in photoproduction at HERA
 M Derrick et al., Phys. Lett. B348 (1995) 665-680
- 143 Study of $D^*(2010)^{\pm}$ production in ep collisions at HERA
 M Derrick et al., Phys. Lett. B349 (1995) 225-237
- 144 Measurement of charged and neutral current ep deep inelastic scattering cross sections at high Q^2
 M Derrick et al., Phys. Rev. Lett. 75 (1995) 1006-1011
- 145 Measurement of the cross section for the reaction $\gamma p \rightarrow J/\psi p$ with the ZEUS Detector at HERA
 M Derrick et al., Phys. Lett. B350 (1995) 120-134
- 146 Jet production in high Q^2 deep-inelastic ep scattering at HERA
 M Derrick et al., Z. Phys. C67 (1995) 81-92
- 147 Measurement of multiplicity and momentum spectra in the current fragmentation region of the Breit frame at HERA
 M Derrick et al., Z. Phys. C67 (1995) 93-107

- 148 Inclusive transverse momentum distributions of charged particles in diffractive and non-diffractive photoproduction at HERA
 M Derrick et al., Z. Phys. C67 (1995) 227-237
- 149 Study of the photon remnant in resolved photoproduction at HERA
 M Derrick et al., Phys. Lett. B354 (1995) 163-177
- 150 Diffractive hard photoproduction at HERA and evidence for the gluon content of the pomeron
 M Derrick et al., Phys. Lett. B356 (1995) 129-146
- 151 Exclusive ρ^0 production in deep inelastic electron-proton Scattering at HERA
 M Derrick et al., Phys. Lett. B356 (1995) 601-616
- 152 Neutral Strange particle production in deep inelastic scattering at HERA
 M Derrick et al., Z. Phys. C68 (1995) 29-42
- 153 Measurement of the diffractive structure function in deep inelastic scattering at HERA
 M Derrick et al., Z. Phys. C68 (1995) 569-584
- 154 Measurement of elastic ρ^0 photoproduction at HERA
 M Derrick et al., Z. Phys. C69 (1995) 39-54
- 155 Measurement of α_s from jet rates in deep inelastic scattering
 M Derrick et al., Phys. Lett. B363 (1995) 201-216
- 156 Measurement of the proton structure function F_2 at low x and low Q^2 at HERA
 M Derrick et al., Z. Phys. C69 (1996) 607-620
- 157 Rapidity gaps between jets in photoproduction at HERA
 M Derrick et al., Phys. Lett. B369 (1996) 55-68
- 158 Inclusive charged particle distribution in deep inelastic scattering events at HERA
 M Derrick et al., Z. Phys. C70 (1996) 1-15
- 159 Measurement of elastic ϕ photoproduction at HERA
 M Derrick et al., Phys. Lett. B377 (1996) 259-272
- 160 Measurement of the diffractive cross section in deep inelastic scattering
 M Derrick et al., Z. Phys. C70 (1996) 391-412
- 161 Measurement of the reaction $\gamma^* p \rightarrow \phi p$ in deep inelastic $e^+ p$ scattering at HERA
 M Derrick et al., Phys. Lett. B380 (1996) 220-234
- 162 Study of charged-current ep interactions at $Q^2 > 200$ GeV 2 with the ZEUS Detector at HERA
 M Derrick et al., Z. Phys. C72 (1996) 47-64
- 163 Measurement of the F_2 structure function in deep inelastic $e^+ p$ scattering using 1994 data from the ZEUS Detector at HERA
 M Derrick et al., Z. Phys. C72 (1996) 399-424
- 164 Observation of events with an energetic forward neutron in deep inelastic scattering at HERA
 M Derrick et al., Phys. Lett. B384 (1996) 388-400
- 165 Dijet angular distributions in resolved and direct photoproduction at HERA
 M Derrick et al., Phys. Lett. B384 (1996) 401-413
- 166 Observation of isolated high- E_T photons in hard photoproduction at HERA
 P J Bussey, proc. *DIS '96*, Rome, ed. G D'Agostini et al., (World Scientific, 1997)
- 167 Measurements of of elastic ω production at HERA
 M Derrick et al., Z. Phys. C73 (1997) 73-84
- 168 The ZEUS Leading Proton Spectrometer and its use in the Measurement of elastic ρ^0 photoproduction at HERA
 M Derrick et al., Z. Phys. C73 (1997) 253-268

- 169 Search for lepton flavor violation in ep collisions at 300 GeV center of mass energy
 M Derrick et al., Z. Phys. C73 (1997) 613-628
- 170 Differential cross section s of $D^{*\pm}$ photoproduction in ep collisions at HERA
 J Breitweg et al., Phys. Lett. B401 (1997) 192-206
- 171 Comparison of ZEUS data with standard model predictions for $e^+p \rightarrow e^+X$ scattering at high x and Q^2
 J Breitweg et al., Z. Phys. C74 (1997) 207-220
- 172 Measurement of elastic J/ψ photoproduction at HERA
 J Breitweg et al., Z. Phys. C75 (1997) 215-228
- 173 Study of photon dissociation in diffractive photoproduction at HERA
 J Breitweg et al., Z. Phys. C75 (1997) 421-435
- 174 D^* production in deep inelastic scattering at HERA
 J Breitweg et al., Phys. Lett. B407 (1997) 402-418
- 175 Measurement of the proton structure function F_2 and $\sigma_{tot}^{\gamma^* p}$ at low Q^2 and very low x at HERA
 J Breitweg et al., Phys. Lett. B407 (1997) 432-448
- 176 Observation of isolated high E_T photons in photoproduction at HERA
 J Breitweg et al., Phys. Lett. B413 (1997) 201-216
- 177 Measurement of inelastic J/ψ photoproduction at HERA
 J Breitweg et al., Z. Phys. C76 (1997) 599-612
- 178 A search for excited fermions in e^+p collisions at HERA
 J Breitweg et al., Z. Phys. C76 (1997) 631-646
- 179 Observation of scaling violations in scaled momentum distributions at HERA
 J Breitweg et al., Phys. Lett. B414 (1997) 428-443
- 180 Measurement of the diffractive structure function $F_2^{D(4)}$ at HERA
 J Breitweg et al., Eur. Phys. J. C (1998) 81-96
- 181 Dijet cross sections in photoproduction at HERA
 J Breitweg et al., Eur. Phys. J. C1 (1998) 109-122
- 182 Measurement of jet shapes in photoproduction at HERA
 J Breitweg et al., Eur. Phys. J. C2 (1998) 61-75
- 183 Event shape analysis of deep inelastic scattering events with a Large Rapidity Gap at HERA
 J Breitweg et al., Phys. Lett. B421 (1998) 368-384
- 184 Measurement of jet shapes in high Q^2 deep inelastic scattering at HERA
 J Breitweg et al., Eur. Phys. J. C2 (1998) 61-75
- 185 Charged particles and neutral kaons in photoproduced jets at HERA
 J Breitweg et al., Eur. Phys. J. C2 (1998) 77-93
- 186 Measurement of the t distribution in diffractive photoproduction at HERA
 J Breitweg et al., Eur. Phys. J. C2 (1998) 237-246
- 187 Elastic and proton-dissociative ρ^0 photoproduction at HERA
 J Breitweg et al., Eur. Phys. J. C2 (1998) 247-267
- 188 High- E_T inclusive jet cross sections in photoproduction at HERA
 J Breitweg et al., Eur. Phys. J. C4 (1998) 591-606
- 189 Diffractive dijet cross sections in photoproduction at HERA
 J Breitweg et al., Eur. Phys. J. C5 (1998) 41-56
- 190 Search for selectron and squark production in $e+p$ collisions at HERA
 J Breitweg et al., Phys. Lett. B434 (1998) 214-230

- 191 Measurement of elastic Υ photoproduction at HERA
 J Breitweg et al., Phys. Lett. B437 (1998) 432-444
- 192 Measurement of three-jet distributions in photoproduction at HERA
 J Breitweg et al., Phys. Lett. B443 (1998) 394-408
- 193 Measurement of the diffractive cross section in deep inelastic scattering using ZEUS 1994 data.
 J Breitweg et al., Eur. Phys. J. C6 (1999) 43-66
- 194 Measurement of inclusive $D^{*\pm}$ and associated dijet cross sections in photoproduction at HERA
 J Breitweg et al., Eur. Phys. J. C6 (1999) 67-83
- 195 Forward jet production in deep inelastic scattering at HERA
 J Breitweg et al., Eur. Phys. J. C6 (1999) 239-252
- 196 Exclusive electroproduction of ρ^0 and J/Ψ mesons at HERA
 J Breitweg et al., Eur. Phys. J. C6 (1999) 603-627
- 197 ZEUS results on the measurement and phenomenology of F_2 at low x and low Q^2
 J Breitweg et al., Eur. Phys. J. C7 (1999) 609-630
- 198 Measurement of jet shapes in high- Q^2 deep inelastic scattering at HERA
 J Breitweg et al., Eur. Phys. J. C8 (1999) 367-380
- 199 Measurement of multiplicity and momentum spectra in the current and target regions of the Breit frame
 in deep inelastic scattering at HERA
 J Breitweg et al., Eur. Phys. J. C11 (1999) 251-270
- 200 W production and the search for events with an isolated high-energy lepton and missing transverse momentum at HERA
 J Breitweg et al., Phys. Lett. B 471 (1999) 411-428
- 201 Measurement of High Q^2 neutral-current e^+p Deep Inelastic Scattering cross sections at HERA
 J Breitweg et al., Eur. Phys. J. C11 (1999) 427-445
- 202 Measurement of dijet photoproduction at high transverse energies at HERA
 J Breitweg et al., Eur. Phys. J. C11 (1999) 35-50
- 203 Search for contact interactions in Deep Inelastic $e^+p \rightarrow e^+X$ scattering at HERA
 J Breitweg et al., Eur. Phys. J. C14 (2000) 239-254
- 204 Measurement of high Q^2 charged-current e^+p Deep Inelastic Scattering cross sections at HERA
 J Breitweg et al., Eur. Phys. J. C12 (2000) 411-428
- 205 Angular and current-target correlations in deep inelastic scattering at HERA
 J Breitweg et al., Eur. Phys. J. C12 (2000) 53-68
- 206 Measurement of $D^{*\pm}$ production and the charm contribution to F_2 in deep inelastic scattering at HERA
 J Breitweg et al., Eur. Phys. J. C12 (2000) 35-52
- 207 Measurement of the spin-density matrix elements in exclusive electroproduction of ρ^0 mesons at HERA
 J Breitweg et al., Eur. Phys. J. C12 (2000) 383-410
- 208 Measurement of diffractive photoproduction of vector mesons at large momentum transfer at HERA
 J Breitweg et al., Eur. Phys. J. C14 (2000) 213-238
- 209 Measurement of inclusive prompt photon photoproduction at HERA
 J Breitweg et al., Phys. Lett. B 472 (2000) 175-188
- 210 Measurement of the $E_{T,jet}^2/Q^2$ dependence of forward jet production at HERA
 J Breitweg et al., Phys. Lett. B 474 (2000) 223-233
- 211 The Q^2 dependence of dijet cross sections in γp interactions at HERA
 J Breitweg et al., Phys. Lett. B 479 (2000) 37-52
- 212 Search for resonances decaying to e^+ -jet in e^+p interactions at HERA
 J Breitweg et al., Eur. Phys. J. C16 (2000) 253-267

- 213 Measurement of azimuthal asymmetries in deep inelastic scattering
 J Breitweg et al., Phys. Letters B 481 (2000) 199-212
- 214 Measurement of inclusive D_s^{+-} photoproduction at HERA
 J Breitweg et al., Phys. Letters B 481 (2000) 213-227
- 215 Measurement of the proton structure function F_2 at very low Q^2 at HERA
 J Breitweg et al., Phys. Lett. B 487 (2000) 53-73
- 216 Measurement of exclusive ω electroproduction at HERA
 J Breitweg et al., Phys. Lett. B 487 (2000) 273-288
- 217 Search for resonance decays to $\bar{\nu}$ -jet in e^+p scattering at HERA
 J Breitweg et al., Phys. Rev. D (2001) art. 052002
- 218 Measurement of dijet cross sections for events with a leading neutron in photoproduction at HERA
 J Breitweg et al., Nucl. Phys. B (2001) 596 3-29
- 219 Measurement of open beauty production in photoproduction at HERA
 J Breitweg et al., Eur. Phys. J. C 18 (2001) 625-637
- 220 Measurement of dijet production in neutral current deep inelastic scattering at high Q^2 and determination of α_s
 J Breitweg et al., Phys. Lett. B 507 (2001) 70-88
- 221 Study of the effective transverse momentum of partons in the proton using prompt photons in photoproduction at HERA
 S Chekanov et al., Phys. Lett. B 511 (2001) 19-32
- 222 Multiplicity moments in deep inelastic scattering at HERA
 S Chekanov et al., Phys. Lett. B 510 (2001) 36-54
- 223 Measurement of the neutral current cross section and F_2 structure function for deep inelastic e^+p scattering at HERA
 S Chekanov et al., Eur. Phys. J. C21 (2001) 443-471
- 224 Three-jet production in diffractive deep inelastic scattering at HERA
 S Chekanov et al., Phys. Lett. B 516 (2001) 273-292
- 225 Properties of hadronic final states in diffractive deep inelastic scattering at HERA
 S Chekanov et al., Phys. Rev. D65 052001 (2002)
- 226 Dijet production in neutral current deep inelastic scattering at HERA
 S Chekanov et al., Eur. Phys. J. C 23 (2002) 13-27
- 227 Searches for excited fermions in ep collisions at HERA
 S Chekanov et al., Phys. Lett. B 549 (2002) 32-47
- 228 Measurement of the photon-proton total cross section at a center-of-mass energy of 209 GeV at HERA
 S Chekanov et al., Nucl. Phys. B627 (2002) 3-28
- 229 High-mass dijet cross sections in photoproduction at HERA
 S Chekanov et al., Phys. Lett. B 531 (2002) 9-27
- 230 Dijet photoproduction at HERA and the structure of the photon
 S Chekanov et al., Eur. Phys. J. C23 (2002) 615-631
- 231 Search for lepton-flavor violation in e^+p collisions at HERA
 S Chekanov et al., Phys. Rev. D65 092004 (2002)
- 232 Exclusive photoproduction of J/ψ mesons at HERA
 S Chekanov et al., Eur. Phys. J. C24 (2002) 345-360
- 233 Measurement of the Q^2 and energy dependence of diffractive interactions at HERA
 S Chekanov et al., Eur. Phys. J. C25 (2002) 169-187

- 234 Leading Neutron production in e^+p collisions at HERA
 S Chekanov et al., Nucl. Phys. B 637 (2002) 3-36
- 235 Measurement of high- Q^2 charged current cross sections in e^-p deep inelastic scattering at HERA
 S Chekanov et al., Phys. Lett. B 539 (2002) 197-217
- 236 Measurement of proton-dissociative diffractive photoproduction of vector mesons at large momentum transfer at HERA
 S Chekanov et al., Eur. Phys. J. C 26 (2002) 389-409
- 237 Measurement of diffractive production of $D^{*\pm}(2010)$ mesons in deep-inelastic scattering at HERA
 S Chekanov et al., Phys. Lett. B 545 (2002) 244-60
- 238 Inclusive jet cross sections in the Breit frame in neutral current deep inelastic scattering at HERA and determination of α_s
 S Chekanov et al., Phys. Lett. B 547 (2002) 164-80
- 239 Measurements of of inelastic J/ψ and ψ' photoproduction at HERA
 S Chekanov et al., Eur. Phys. J. C 27 (2002) 173-188
- 240 ZEUS next-to-leading-order QCD analysis of data on deep inelastic scattering
 S Chekanov et al., Phys. Rev. D 67 (2003) 012007
- 241 Measurement of high- Q^2 e^-p neutral current cross sections at HERA and the extraction of xF_3
 S Chekanov et al., Eur. Phys. J. C 28 (2003) 175-201
- 242 Leading proton production in e^+p collisions at HERA
 S Chekanov et al., Nucl. Phys. B 658 (2003) 3-46
- 243 Study of the azimuthal asymmetry of jets in neutral current deep inelastic scattering at HERA
 S Chekanov et al., Phys. Lett. B 551 (2003) 226-240
- 244 Observation of the strange sea in the proton via inclusive phi-meson production in neutral current deep inelastic scattering at HERA
 S Chekanov et al., Phys. Lett. B 553 (2003) 141-158
- 245 Measurement of event shapes in deep inelastic scattering at HERA
 S Chekanov et al., Eur. Phys. J. C 27 (2003) 541-545
- 246 Measurement of subjet multiplicities in neutral current deep inelastic scattering at HERA and determination of α_s
 S Chekanov et al., Phys. Lett. B 558 (2003) 41-58
- 247 Search for single-top production in ep collisions at HERA
 S Chekanov et al., Phys. Lett. B 559 (2003) 153-170
- 248 Scaling violations and determination of α_s from jet production in γp interactions at HERA
 S Chekanov et al., Phys. Lett. B 560 (2003) 7-23
- 249 Dijet angular distributions in photoproduction of charm at HERA
 S Chekanov et al., Phys. Lett. B 565 (2003) 87-101
- 250 Search for resonance decays to lepton+jet at HERA and limits on leptoquarks
 S Chekanov et al., Phys. Rev. D 68 (2003) 052004
- 251 Measurement of deeply virtual Compton scattering at HERA
 S Chekanov et al., Phys. Lett. B 573 (2003) 46-62
- 252 Jet production in charged current deep inelastic $e + p$ scattering at HERA
 S Chekanov et al., Eur. Phys. J. C 31 (2003) 149-164
- 253 Measurement of high- Q^2 charged current cross sections in e^+p deep inelastic scattering at HERA
 S Chekanov et al., Eur. Phys. J. C 32 (2003) 1-16
- 254 Measurement of the open-charm contribution to the diffractive proton structure function
 S Chekanov et al., Nucl. Phys. B 672 (2003) 3-35

- 255 Observation of $K_s^0 K_s^0$ resonances in deep inelastic scattering at HERA
 S Chekanov et al., Phys. Lett. B 578 (2003) 33-44
- 256 Measurement of D^{*+} production in deep inelastic $e + p$ scattering at HERA
 S Chekanov et al., Phys. Rev. D 69 (2004) 012004
- 257 Isolated tau leptons in events with large missing transverse momentum at HERA
 S Chekanov et al., Phys. Lett. B 583 (2004) 41-58
- 258 Bose-Einstein correlations in one and two dimensions in deep inelastic scattering
 S Chekanov et al., Phys. Lett. B 583 (2004) 231-246
- 259 Search for QCD-instanton induced events in deep inelastic ep scattering at HERA
 S Chekanov et al., Eur. Phys. J. C 34 (2004) 255-265
- 260 Bottom photoproduction measured using decays into muons in dijet events in ep collisions at $\sqrt{s}=318$ GeV
 S Chekanov et al., Phys. Rev. D 70 (2004) 012008
 Erratum: Phys. Rev. D 74 (2006) 059906
- 261 High- Q^2 neutral current cross section in e^+p deep inelastic scattering at $\sqrt{s}=318$ GeV
 S Chekanov et al., Phys. Rev. D 70 (2004) 052001
- 262 Photoproduction of $D^{*\pm}$ mesons associated with a leading neutron
 S Chekanov et al., Phys. Lett. B 590 (2004) 143-160
- 263 Search for contact interactions, large extra dimensions and finite quark radius in ep collisions at HERA
 S Chekanov et al., Phys. Lett. B 591 (2004) 23-41
- 264 High- Q^2 neutral current cross section in e^+p deep inelastic scattering at $\sqrt{s}=318$ GeV
 S Chekanov et al., Phys. Rev. D 70 (2004) 052001
- 265 Observation of isolated high- E_T photons in deep inelastic scattering
 S Chekanov et al., Phys. Lett. B 595 (2004) 86-100
- 266 Exclusive electroproduction of J/ψ mesons at HERA
 S Chekanov et al., Nucl. Phys. B 695 (2004) 3-37
- 267 The dependence of dijet production on photon virtuality in ep collisions at HERA
 S Chekanov et al., Eur. Phys. J. C 35 (2004) 487-500
- 268 Evidence for a narrow baryonic state decaying to K_s^0 -(anti)proton in deep inelastic scattering at HERA
 S Chekanov et al., Phys. Lett. B 591 (2004) 7-22
- 269 Measurement of beauty production in deep inelastic scattering at HERA
 S Chekanov et al., Phys. Lett. B 599 (2004) 173-189
- 270 Substructure dependence of jet cross sections at HERA and determination of α_s
 S Chekanov et al., Nucl. Phys. B 700 (2004) 3-50
- 271 Dissociation of virtual photons in events with a leading proton at HERA
 S Chekanov et al., Eur. Phys. J. C 38 (2004) 43-67
- 272 Search for a narrow charmed baryonic state decaying to $D^{*+-} p^+$ in ep collisions at HERA
 S Chekanov et al., Eur. Phys. J. C 38 (2004) 29-41
- 273 Study of the pion trajectory in the photoproduction of leading neutrons at HERA
 S Chekanov et al., Phys. Lett. B 610 (2005) 199-211
- 274 Search for pentaquarks decaying to $\Xi\pi$ at HERA
 S Chekanov et al., Phys. Lett. B 610 (2005) 212-224
- 275 Study of deep inelastic inclusive and diffractive scattering with the ZEUS Forward Plug Calorimeter
 S Chekanov et al., Nucl. Phys. B 713 (2005) 3-80
- 276 An NLO QCD analysis of inclusive cross section and jet production data from the ZEUS Experiment
 S Chekanov et al., Eur. Phys. J. C 42 (2005) 1-16

- 277 Search for lepton-flavor violation at HERA
 S Chekanov et al., Eur. Phys. J. C 44 (2005) 463-480
- 278 Forward jet production in deep inelastic $e p$ scattering and low-x parton dynamics at HERA
 S Chekanov et al., Phys. Lett. B 632 (2006) 13-26
- 279 Multijet production in neutral current Deep Inelastic Scattering at HERA and determination of α_s
 S Chekanov et al., Eur. Phys. J. C 44 (2005) 183-193
- 280 Exclusive electroproduction of phi mesons at HERA
 S Chekanov et al., Nucl. Phys. B 718 (2005) 3-31
- 281 Measurement of inelastic J/ψ production in Deep Inelastic Scattering at HERA
 S Chekanov et al., Eur. Phys. J. C 44 (2005) 13-25
- 282 Inclusive jet cross sections and dijet correlations in D^* photoproduction at HERA
 S Chekanov et al., Nucl. Phys. B 729 (2005) 492-525
- 283 Measurement of charm fragmentation ratios and fractions in photoproduction at HERA
 S Chekanov et al., Eur. Phys. J. C 44 (2005) 351-366
- 284 Measurement of high- Q^2 deep inelastic scattering cross sections with a longitudinally polarised positron beam at HERA
 S Chekanov et al., PhysLett. B 637 (2006) 210-222
- 285 Event shapes in deep inelastic scattering at HERA
 S Chekanov et al., Nucl. Phys. B 767 (2007) 1-28
- 286 Measurement of prompt photons with associated jets in photoproduction at HERA
 S Chekanov et al., Eur. Phys. J. C 49 (2007) 511-522
- 287 Measurement of neutral current cross sections at high Bjorken- x with the ZEUS Detector at HERA
 S Chekanov et al., Eur. Phys. J. C 49 (2007) 523-544
- 288 Inclusive-jet and dijet cross sections in deep inelastic scattering at HERA
 S Chekanov et al., Nucl. Phys. B 765 (2007) 1-30
- 289 Measurement of azimuthal asymmetries in neutral current deep inelastic scattering at HERA
 S Chekanov et al., Eur. Phys. J. C 51 (2007) 289
- 290 Search for stop production in R -parity-violating supersymmetry at HERA
 S Chekanov et al., Eur. Phys. J. C 50 (2007) 269-281
- 291 Measurement of open beauty production at HERA in the D^* muon final state
 S Chekanov et al., Eur. Phys. J. C 50 (2007) 299-314
- 292 Photoproduction of events with rapidity gaps between jets at HERA
 S Chekanov et al., Eur. Phys. J. C 50 (2007) 283-297
- 293 Measurement of K_s^0 , lambda, antilambda production at HERA
 S Chekanov et al., Eur. Phys. J. C 51 (2007) 1-23
- 294 Jet-radius dependence of inclusive-jet cross sections in deep inelastic scattering at HERA
 S Chekanov et al., Phys. Lett. B 649 (2007) 12-24
- 295 Leading neutron energy and p_T distributions in deep inelastic scattering and photoproduction at HERA
 S Chekanov et al., Nucl. Phys. B 776 (2007) 1-37
- 296 Measurement of $D^{*\pm}$ meson production in $e^\pm p$ scattering at HERA
 S Chekanov et al., Phys. Lett. B 649 (2007) 111-121
- 297 Diffractive photoproduction of $D^*(2010)$ at HERA
 S Chekanov et al., Eur. Phys. J. C 51 (2007) 301-315
- 298 Measurement of D meson production in deep inelastic scattering at HERA
 S Chekanov et al., JHEP07 (2007) 074

- 299 Multijet production at low x_{Bj} in deep inelastic scattering at HERA
 S Chekanov et al., Nucl. Phys. B 786 (2007) 152-180
- 300 Bose-Einstein Correlations of charged and neutral kaons in deep inelastic scattering at HERA
 S Chekanov et al., Phys. Lett. B 652 (2007) 1-12
- 301 Measurement of (anti)deuteron and (anti)proton production in deep inelastic scattering at HERA
 S Chekanov et al., Nucl. Phys. B 786 (2007) 181-205
- 302 High- E_T dijet photoproduction at HERA
 S Chekanov et al., Phys. Rev. D 76 (2007) 072011
- 303 Forward-jet production in Deep Inelastic ep Scattering at HERA
 S Chekanov et al., Eur. Phys. J. C 52 (2007) 515-530
- 304 Three- and four-jet final states in photoproduction at HERA
 S Chekanov et al., Nucl. Phys. B 792 (2008) 1-47
- 305 Exclusive ρ^0 production in deep inelastic scattering at HERA
 S Chekanov et al., PMC Physics A 1:6
- 306 Dijet production in diffractive deep inelastic scattering at HERA
 S Chekanov et al., Eur. Phys. J. C 52 (2007) 813-832
- 307 Diffractive photoproduction of dijets in ep collisions at HERA
 S Chekanov et al., Eur. Phys. J. C 55 (2008) 177-191
- 308 Deep inelastic inclusive and diffractive scattering at Q^2 values from 25 to 320 GeV 2 with the ZEUS forward plug calorimeter
 S Chekanov et al., Nucl. Phys. B 800 (2008) 1-76
- 309 Multi-jet cross sections in charged current $e^\pm p$ scattering at HERA
 S Chekanov et al., Phys. Rev. D 78 (2008) 032004
- 310 Energy dependence of the charged multiplicity in deep inelastic scattering at HERA
 S Chekanov et al., JHEP06 (2008) 061
- 311 Beauty photoproduction using decays into electrons at HERA
 S Chekanov et al., Phys. Rev. D 78 (2008) 072001
- 312 Inclusive $K_S^0 K_S^0$ resonance production in ep collisions at HERA
 S Chekanov et al., Phys. Rev. Lett. 101 (2008) 112003
- 313 Search for events with an isolated lepton and missing transverse momentum and a measurement of W production at HERA
 S Chekanov et al., Phys. Letters B 672 (2009) 106-115
- 314 Production of excited charm and charm-strange mesons at HERA
 S Chekanov et al., Eur. Phys. J. C 60 (2009) 25-42
- 315 Measurement of beauty production from dimuon events at HERA
 S Chekanov et al., JHEP02 (2009) 032
- 316 Deep inelastic scattering with leading protons or large rapidity gaps at HERA
 S Chekanov et al., Nucl. Phys. B 816 (2009) 1-61
- 317 Measurement of the charm fragmentation function in D^* photoproduction at HERA
 S Chekanov et al., JHEP04 (2009) 082
- 318 Measurement of beauty photoproduction using decays into muons in dijet events at HERA
 S Chekanov et al., JHEP04(2009) 133
- 319 Production of excited charm and charm-strange mesons at HERA
 S Chekanov et al., Eur. Phys. J. C 61 (2009) 25-45

- 320 Measurement of charged current deep inelastic scattering cross sections with a longitudinally polarised electron beam at HERA
 S Chekanov et al., Eur. Phys. J. C 61 (2009) 223-235
- 321 A measurement of the Q^2 , W and t dependences of deeply virtual Compton scattering at HERA
 S Chekanov et al., JHEP05 (2009)108
- 322 Measurement of high- Q^2 neutral current deep inelastic $e^- p$ scattering cross sections with a longitudinally polarised electron beam at HERA
 S Chekanov et al., Eur. Phys. J. C 62 (2009) 625-658
- 323 Deep inelastic scattering with leading protons or large rapidity gaps at HERA
 S Chekanov et al., Nucl. Phys.B 816 (2009) 1-61
- 324 Leading proton production in deep inelastic scattering at HERA
 S Chekanov et al., JHEP06 (2009)074
- 325 Measurement of D^\pm and D^0 production in deep inelastic scattering using a lifetime tag at HERA
 S Chekanov et al., Eur. Phys. J. C 63 (2009) 171-188
- 326 Scaled momentum distributions of charged particles in dijet photoproduction at HERA
 S Chekanov et al., JHEP08(2009)077
- 327 Exclusive photoproduction of Υ mesons at HERA
 S Chekanov et al., Phys. Lett. B 680 (2009) 4-12
- 328 Multi-lepton production at high transverse momentum at HERA
 S Chekanov et al., Phys. Lett. B 680 (2009) 13-23
- 329 Subjet distributions in deep inelastic scattering at HERA
 S Chekanov et al., Eur. Phys. J. C 63 (2009) 527-548
- 330 Measurement of charm and beauty production in deep inelastic ep scattering from decays into muons at HERA
 S Chekanov et al., Eur. Phys. J. C 65 (2010) 65-79
- 331 Multi-leptons with high transverse momentum at HERA
 F D Aaron et al., H1 and ZEUS Collaborations, JHEP10 (2009) 013
- 332 Measurement of J/ψ helicity distributions in inelastic photoproduction at HERA
 S Chekanov et al., JHEP 12 (2009) 007
- 333 Measurement of the longitudinal proton structure function at HERA
 S Chekanov et al., Phys. Lett. B, 682 (2009) 8-22
- 334 Combined measurement and QCD analysis of the inclusive e^{+-} scattering cross section at HERA
 F D Aaron et al., H1 and ZEUS Collaborations, JHEP (2010) 1, 1-63
- 335 Events with an isolated lepton and missing transverse momentum measurement of W production at HERA
 F D Aaron et al., H1 and ZEUS Collaborations, JHEP (2010) 3, 1-19
- 336 Measurement of isolated photon production in deep inelastic ep scattering
 S Chekanov et al., Phys. Lett. B 687 (2010) 16-25
- 337 Measurement of dijet photoproduction for events with a leading neutron at HERA
 S Chekanov et al., Nucl. Phys. B 827 (2010) 1-33
- 338 A QCD Analysis of ZEUS diffractive data
 S Chekanov et al., Nucl. Phys. B 831 (2010) 1-25
- 339 Measurement of J/ψ photoproduction at large momentum transfer at HERA
 S Chekanov et al., JHEP (2010) 5, 1-36
- 340 Scaled momentum spectra in deep inelastic Scattering at HERA
 H Abramowicz et al., JHEP 6 (2010) 9
 Erratum: JHEP, (2010) 10, 1-6

- 341 Inclusive-jet cross sections in NC DIS at HERA and a comparison of the k_T , anti- k_T and SIScone jet algorithms
H Abramowicz et al., Phys. Lett. B 691 (2010) 127-137
- 342 Measurement of beauty production in DIS and $F_2^{b\bar{b}}$ extraction at ZEUS
H Abramowicz et al., Eur. Phys. J. C 69 (2010) 347-360
- 343 Measurement of high- Q^2 charged current deep inelastic scattering cross sections with a longitudinally-polarised positron beam at HERA
H Abramowicz et al., Eur. Phys. J. C 70 (2010) 945-963
- 344 Inclusive dijet cross sections in neutral current deep inelastic scattering at HERA
H Abramowicz et al., Eur. Phys. J. C 70 (2010) 965-982
- 345 Measurement of D^+ and Λ_c^+ production in deep inelastic scattering at HERA
H Abramowicz et al., JHEP 11 (2010) 1-27
- 346 Measurement of the energy dependence of the total photon-proton cross section at HERA
H Abramowicz et al., Phys. Lett. B 697 (2011) 184-193
- 347 Measurement of beauty production in deep inelastic scattering at HERA using decays into electrons
H Abramowicz et al., Eur. Phys. J. C 71 (2011) 1573
- 348 Study of tau-pair production at HERA
H Abramowicz et al., JHEP 2 (2011) 117
- 349 Measurement of heavy-quark jet photoproduction at HERA
H Abramowicz et al., Eur. Phys. J. C 71 (2011) 1659
- 350 Angular correlations in three-jet events in ep collisions at HERA
H Abramowicz et al., Phys. Rev. D 85 (2012) 052008
- 351 Exclusive electroproduction of two pions at HERA
H Abramowicz et al., Eur. Phys. J. C 72 (2012) 1869
- 352 Measurement of the t dependence in exclusive photoproduction of $\Upsilon(1S)$ mesons at HERA
H Abramowicz et al., Phys. Lett. B 708 (2012) 14-20
- 353 Search for single top production in ep collisions at HERA
H Abramowicz et al., Phys. Lett. B 708 (2012) 27-36
- 354 Scaled momentum distributions for K_S^0 and $\Lambda/\bar{\Lambda}$ in DIS at HERA
H Abramowicz et al., JHEP 3 (2012) 020
- 355 Search for first-generation leptoquarks at HERA
H. Abramowicz et al., Phys. Rev. D 86 (2012) 012005
- 356 Measurement of isolated photons accompanied by jets in deep inelastic ep scattering
H Abramowicz et al., Phys. Lett. B 715 (2012) 88-97
- 357 Inclusive-jet photoproduction at HERA and determination of α_s
H Abramowicz et al., Nucl. Phys. B 864 (2012) 1-37
- 358 Combined inclusive diffractive cross sections measured with forward proton spectrometers in deep elastic ep scattering at HERA
F D Aaron et al, H1 and ZEUS Collaborations, Eur. Phys. J. C 72 (2012) 2175
- 359 Production of the excited charm mesons D_1 and D_2^* at HERA
H. Abramowicz et al., Nucl. Phys. B 866 (2013) 229-254
- 360 Measurement of high- Q^2 neutral current deep inelastic e^+p scattering cross sections with a longitudinally polarized positron beam at HERA
H. Abramowicz et al., Phys. Rev. D 87 (2013) 052014
- 361 Production of Z^0 bosons in elastic and quasi-elastic ep collisions at HERA
H Abramowicz et al., Phys. Lett. B 718 (2013) 915-921

- 362 Combination and QCD analysis of charm production cross section measurements in deep-inelastic ep scattering at HERA
 H Abramowicz et al., H1 and ZEUS Collaborations, Eur. Phys. J. C **73** (2013) 2311
- 363 Measurement of of inelastic J/ψ and ψ' photoproduction at HERA
 H Abramowicz et al., JHEP 02 (2013) 071
- 364 Measurement of D^\pm production in deep inelastic ep scattering with the ZEUS detector at HERA
 H Abramowicz et al., JHEP 05 (2013) 023
- 365 Measurement of $D^{*\pm}$ production in deep inelastic scattering at HERA
 H Abramowicz et al., JHEP 05 (2013) 097
 Erratum JHEP 02 (2014) 106
- 366 Measurement of of charm fragmentation fractions in photoproduction at HERA
 H Abramowicz et al., JHEP 09 (2013) 058
- 367 Measurement of of high- Q^2 neutral current deep inelastic $E + +p$ scattering cross sections with a longitudinally polarized positron beam at HERA
 H Abramowicz et al., Phys. Rev. D **85** (2013) 052014
- 368 Photoproduction of isolated photons, inclusively and with a jet, at HERA
 H Abramowicz et al., Phys. Lett. B **730** (2014) 293-301
- 369 Measurement of neutral current $e^\pm p$ cross sections at high Bjorken x with the ZEUS detector
 H Abramowicz et al., Phys. Rev. D **89** (2014) 072007
 Erratum, Phys. Rev. D **106** (2022) 079902
- 370 Further studies of the photoproduction of isolated photons with a jet at HERA.
 H Abramowicz et al., JHEP 08 (2014) 023
- 371 Deep inelastic cross-section measurements at large y with the ZEUS detector at HERA
 H Abramowicz et al., Phys. Rev. D **90** (2014) 072002
- 372 Combination of measurements of inclusive deep inelastic $e^\pm p$ scattering cross sections and QCD analysis of HERA data
 H Abramowicz et al., Eur. Phys. J. C **75** (2015) 580
- 373 Combination of differential $D^{*\pm}$ cross-section measurements in deep-inelastic ep scattering at HERA
 H Abramowicz et al., H1 and ZEUS Collaborations, JHEP **1509** (2015) 149
- 374 Production of exclusive dijets in diffractive deep inelastic scattering at HERA
 H Abramowicz et al., Eur. Phys. J. C **76** (2016) 16
- 375 Combined QCD and electroweak analysis of HERA data
 H Abramowicz et al., Phys. Rev. D **93** (2016) 092002
- 376 Limits on the effective quark radius from inclusive ep scattering at HERA
 H Abramowicz et al., Phys. Lett. B **757** (2016) 468-472
- 377 Search for a narrow baryonic state decaying to pK_S^0 and $\bar{p}K_S^0$ in deep inelastic scattering at HERA
 H Abramowicz et al., Phys. Lett. B **759** (2016) 446-453
- 378 Measurement of the cross-section ratio $\sigma_{\psi(2S)}/\sigma_{J/\psi(1S)}$ in deep inelastic exclusive ep scattering at HERA
 H Abramowicz et al., Nucl. Phys. B **909** (2016) 934-953
- 379 Studies of the diffractive photoproduction of isolated photons at HERA
 H Abramowicz et al., Phys. Rev. D **96** (2017) 032006
- 380 Running of the charm-quark mass from HERA deep-inelastic scattering data.
 H Gzhko et al., H1 and ZEUS Collaborations, Phys. Lett. B **775** (2017) 233-238
- 381 Further studies of isolated photon production with a jet in deep inelastic scattering at HERA
 H Abramowicz et al., JHEP **1801** (2018) 032

- 382 Combination and QCD analysis of charm and beauty production cross-section measurements in deep inelastic ep scattering at HERA
 H Abramowicz et al., H1 and ZEUS Collaborations, Eur. Phys. J. C 78 (2018) 473
- 383 Limits on contact interactions and leptoquarks at HERA
 H Abramowicz et al., Phys. Rev. D 99 (2019) 092006
- 384 Charm production in charged current deep inelastic scattering at HERA
 I Abt et al., JHEP 1905 (2019) 201
- 385 Two-particle azimuthal correlations as a probe of collective behaviour in deep inelastic ep scattering at HERA
 I Abt et al., JHEP 2004 (2020) 070
- 386 Study of proton parton distribution functions at high x using ZEUS data
 I Abt et al., Phys. Rev. D 101 (2020) 112009
 Erratum, Phys./ Rev./ f D 106 (2022) 079901
- 387 Azimuthal correlations in photoproduction and deep inelastic ep scattering at HERA
 I Abt et al., JHEP 12 (2021) 102
- 388 Impact of jet production data on the next-to-next-to-leading-order determination of HERAPDF2.0 parton distributions
 I Abt et al.. H1 and ZEUS Collaborations Eur. Phys./ J C 82 (2022) 243
- 389 Measurement of the cross-section ratio $\sigma_{\psi(2S)}/J/\psi(1S)$ in exclusive photoproduction at HERA
 I Abt et al., JHEP 12 (2022) 164
- 390 Search for effective Lorentz and CPT violation using ZEUS data
 I Abt et al., Phys. Rev. D 107 (2023) 092008
- 391 Measurement of jet production in deep inelastic scattering and NNLO determination of the strong coupling at ZEUS
 I Abt et al., Eur. Phys. J. C 83 (2023) 108
- 392 The azimuthal correlation between the leading jet and the scattered lepton in deep inelastic scattering at HERA
 I Abt et al., Eur. Phys. J. C 84 (2024) 12. 1334

The CDF Collaboration

- 393 Measurement of the mass difference $m(D_s^+) - m(D^+)$ at CDFII
 D Acosta et al., Phys. Rev. D68 (2003) 072004
- 394 Search for the flavor-changing neutral current decay $D^0 \rightarrow \mu^+ \mu^-$ in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
 D Acosta et al., Phys. Rev. D68 (2003) 091101
- 395 Measurement of prompt charm meson production cross sections in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
 D Acosta et al., Phys. Rev. Lett. 91 (2003) 241804
- 396 Search for $B^0(s) \rightarrow \mu^+ \mu^-$ and $B^0(d) \rightarrow \mu^+ \mu^-$ decays in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
 D Acosta et al., Phys. Rev. Lett. 93 (2004) 032001
- 397 Observation of the narrow state $X(3872) \rightarrow J/\psi \pi^+ \pi^-$ in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
 D Acosta et al., Phys. Rev. Lett. 93 (2004) 072001
- 398 Measurement of the $t\bar{t}$ production cross section in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV using dilepton events.
 D Acosta et al., Phys. Rev. Lett. 93 (2004) 142001
- 399 Search for doubly-charged Higgs bosons decaying to dileptons in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
 D Acosta et al., Phys. Rev. Lett. 93 (2004) 221802
- 400 Measurement of partial widths and search for direct CP violation in D^0 meson decays to $K^- K^+$ and $\pi^- \pi^+$
 D Acosta et al., Phys. Rev. Lett. 94 (2005) 122001

- 401 Measurement of the $t\bar{t}$ production cross section in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV using kinematic fitting of b -tagged lepton + jet events
 D Acosta et al., Phys. Rev. **D71** (2005) 072005
- 402 Measurement of $W\gamma$ and $Z\gamma$ production in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
 D Acosta et al., Phys. Rev. Lett. **94** (2005) 041803
- 403 Search for excited and exotic electrons in the $e\gamma$ decay channel in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
 D Acosta et al., Phys. Rev. Lett. **94** (2005) 101802
- 404 Measurement of the $t\bar{t}$ production cross section in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV using lepton + jet events with secondary vertex b -tagging
 D Acosta et al., Phys. Rev. **D71** (2005) 052003
- 405 Search for electroweak single top quark production in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
 D Acosta et al., Phys. Rev. **D71** (2005) 012005
- 406 Search for anomalous production of diphoton events with missing transverse energy at CDF and limits on gauge-mediated supersymmetry-breaking models
 D Acosta et al., Phys. Rev. **D71** (2005) 031104
- 407 First measurements of inclusive W and Z cross sections from Run II of the Fermilab Tevatron Collider
 D Acosta et al., Phys. Rev. Lett. **94** (2005) 091803
- 408 Search for scalar leptoquark pairs decaying to $\nu\bar{\nu}q\bar{q}$ in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
 D Acosta et al., Phys. Rev. **D71** (2005) 112001
 Publisher's note, Phys. Rev. **D71** (2005) 119901
- 409 Measurement of the forward-backward charge Asymmetry of electron-positron pairs in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
 D Acosta et al., Phys. Rev. **D71** (2005) 052002
- 410 Search for anomalous kinematics in $t\bar{t}$ dilepton events at CDF II
 D Acosta et al., Phys. Rev. Lett. **95** (2005) 022001
- 411 Measurement of the cross section for prompt diphoton production in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
 D Acosta et al., Phys. Rev. Lett. **95** (2005) 022003
- 412 Measurement of the lifetime difference between B_s mass eigenstates
 D Acosta et al., Phys. Rev. Lett. **94** (2005) 101803
- 413 Measurement of the J/ψ meson and b -hadron production cross sections in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
 D Acosta et al., Phys. Rev. **D71** (2005) 032001
- 414 Measurement of the W^+W^- production cross section in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV using dilepton events
 D Acosta et al., Phys. Rev. Lett. **94** (2005) 211801
- 415 Measurement of the moments of the hadronic invariant mass distribution in semileptonic B decays
 D Acosta et al., Phys. Rev. **D71** (2005) 051103
- 416 Measurement of the forward-backward charge asymmetry from $W \rightarrow e\nu$ production in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
 D Acosta et al., Phys. Rev. **D71** (2005) 051104
- 417 Search for ZZ and ZW production in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
 D. Acosta et al., Phys. Rev. **D71** (2005) 091105
- 418 Study of jet shapes in inclusive jet production in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
 D Acosta et al., Phys. Rev. **D71** (2005) 112002
- 419 Evidence for $B_s^0 \rightarrow \phi\phi$ decay and measurements of branching ratio and A_{CP} for $B^+ \rightarrow \phi K^+$
 D Acosta et al., Phys. Rev. Lett. **95** (2005) 031801
- 420 Search for long-lived doubly-charged Higgs bosons in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
 D Acosta et al., Phys. Rev. Lett. **95** (2005) 071801

- 421 Measurement of the cross section for $t\bar{t}$ production in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV using the kinematics of lepton + jets events
 D Acosta et al., Phys. Rev. **D72** (2005) 052003
- 422 Measurement of $B(t \rightarrow Wb)/B(t \rightarrow Wq)$ at the Collider Detector at Fermilab
 D Acosta et al., Phys. Rev. Lett. **95** (2005) 102002
- 423 Measurement of the $t\bar{t}$ production cross section in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV using lepton plus jets events with semileptonic B decays to muons,
 D Acosta et al., Phys. Rev. **D72** (2005) 032002
- 424 Search for new physics using high mass tau pairs from 1.96-TeV $p\bar{p}$ collisions
 D Acosta et al., Phys. Rev. Lett. **95** (2005) 131801
- 425 Search for $B_s^0 \rightarrow \mu^+ \mu^-$ and $B_d^0 \rightarrow \mu^+ \mu^-$ decays in $p\bar{p}$ collisions with CDF II
 A Abulencia et al., Phys. Rev. Lett. **95** (2005) 221805
 Publisher's note, Phys. Rev. Lett. **95** (2005) 249905
- 426 Search for new high mass particles decaying to lepton pairs in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
 A Abulencia et al., Phys. Rev. Lett. **95** (2005) 252001
- 427 Search for $\Lambda_b^0 \rightarrow p\pi$ and $\Lambda_b^0 \rightarrow pK$ decays in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
 D Acosta et al., Phys. Rev. **D72** (2005) 051104
- 428 Search for new physics using high mass tau pairs from 1.96 TeV $p\bar{p}$ collisions collisions
 D Acosta et al., Phys. Rev. **D72** (2005) 051107
- 429 Search for neutral Higgs bosons of the Minimal Supersymmetric Standard Model decaying to τ pairs in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
 A Abulencia et al., Phys. Rev. Lett. **96** (2006) 011802
- 430 Precision top quark mass measurement in the lepton + jets topology in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
 A Abulencia et al., Phys. Rev. Lett. **96** (2006) 022004
- 431 Measurement of the top quark mass using template methods on dilepton events at CDF II
 A Abulencia et al., Phys. Rev. **D73** (2006) 112006
- 432 Evidence for the exclusive decay $B_c^\pm \rightarrow J/\psi \pi^\pm$ and measurement of the mass of the B_c^\pm meson
 A Abulencia et al., Phys. Rev. Lett. **96** (2006) 082002
- 433 Search for anomalous decay of heavy flavor hadrons produced in association with a W boson at CDF II
 A Abulencia et al., Phys. Rev. **D73** (2006) 051101
- 434 Measurement of the the quark mass with the dynamical likelihood method using lepton plus jets events with b -tags in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
 A Abulencia et al., Phys. Rev. **D73** (2006) 092002
- 435 Top quark mass measurement using the template method in the lepton + jets channel at CDF II
 A Abulencia et al., Phys. Rev. **D73** (2006) 032003
- 436 Search for charged Higgs bosons from top quark decays in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
 A Abulencia et al., Phys. Rev. Lett. **96** (2006) 042003
- 437 Search for Higgs bosons decaying to $b\bar{b}$ and produced in association with W bosons in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
 A Abulencia et al., Phys. Rev. Lett. **96** (2006) 081803
- 438 Search for scalar bottom quarks from gluino decays in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
 A Abulencia et al., Phys. Rev. Lett. **96** (2006) 171802
- 439 Measurement of the ratios of branching fractions $BR(B_s^0 \rightarrow D_s)/BR(B^0 \rightarrow D^\mp)$ and $BR(B^+ \rightarrow \bar{D}^0+)/BR(B^0 \rightarrow D^\mp)$
 A Abulencia et al., Phys. Rev. Lett. **96** (2006) 191801
- 440 Measurement of the helicity of W bosons in top-quark decays
 A Abulencia et al., Phys. Rev. **D73** (2006) 111103

- 441 Search for $Z' \rightarrow e^+e^-$ using dielectron mass and angular distribution
A Abulencia et al., Phys. Rev. Lett. **96** (2006) 211801
- 442 Search for high-mass resonances decaying to $e\mu$ in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
A Abulencia et al., Phys. Rev. Lett. **96** (2006) 211802
- 443 Observation of $B_s^0 \rightarrow \psi(2S)\phi$ and measurement of Ratio of Branching Fractions $B(B_s^0 \rightarrow \psi(2S)\phi)/B(B_s^0 \rightarrow J/\psi\phi)$
A Abulencia et al., Phys. Rev. Lett. **96** (2006) 231801
- 444 Measurement of mass and width of the excited charmed meson states $D1$ and $D2^*$
A Abulencia et al., Phys. Rev. **D73** (2006) 051104
- 445 Measurement of the dipion mass spectrum in $X(3872) \rightarrow J/\psi\pi^+\pi^-$ decays
A Abulencia et al., Phys. Rev. Lett. **96** (2006) 102002
- 446 Measurement of the inclusive jet cross section using the K_T algorithm in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
A Abulencia et al., Phys. Rev. Lett. **96** (2006) 122001
- 447 Direct search for Dirac magnetic monopoles in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
A Abulencia et al., Phys. Rev. Lett. **96** (2006) 201801
- 448 Search for second-generation scalar leptoquarks in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
A Abulencia et al., Phys. Rev. **D73** (2006) 051102
- 449 Top quark mass measurement from dilepton events at CDF II,
A Abulencia et al., Phys. Rev. Lett. **96** (2006) 152002
- 450 Measurement of b hadron masses in exclusive J/ψ decays with the CDF detector
D. Acosta et al., Phys. Rev. Lett. **96** (2006) 202001
- 451 Measurement of the $t\bar{t}$ production cross section in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV using missing $E_T +$ jets events with secondary vertex b -tagging
A Abulencia et al., Phys. Rev. Lett. **96** (2006) 202002
- 452 Search for high-mass resonances decaying to $e\mu$ in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
A Abulencia et al., Phys. Rev. Lett. **96** (2006) 211802
- 453 Measurement of B_c^+ meson lifetime using $B_c^+ \rightarrow J/\psi e^+e^-$
A Abulencia et al., Phys. Rev. Lett. **97** (2006) 031801
- 454 Measurement of the b jet cross section in events with a Z boson in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
A Abulencia et al., Phys. Rev. **D 74** (2006) 032008
- 455 Search for new physics in lepton + photon + X events with 305 pb^{-1} of $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV,
A Abulencia et al., Phys. Rev. Lett. **97** (2006) 031801
- 456 Measurement of the ratio of branching fractions $B(D^0 \rightarrow K^+\pi^-)/B(D^0 \rightarrow K^-\pi^+)$ using the CDF II detector
A Abulencia et al., Phys. Rev. **D74** (2006) 031109
- 457 Measurement of the $B_s^0 - \overline{B_s^0}$ oscillation frequency
A Abulencia et al., Phys. Rev. Lett. **97** (2006) 062003
- 458 Search for a neutral Higgs boson decaying to a W boson pair in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
A Abulencia et al., Phys. Rev. Lett. **97** (2006) 081802
- 459 Search for Large Extra Dimensions in the production of jets and missing transverse energy in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
A Abulencia et al., Phys. Rev. Lett. **97** (2006) 171802
- 460 Top quark mass measurement from dilepton events at CDF II with the matrix-element method
A Abulencia et al., Phys. Rev. **D74** (2006) 032009
- 461 Measurement of the inclusive jet cross section in $p\bar{p}$ interactions at $\sqrt{s} = 1.96$ TeV using a cone-based jet algorithm
A Abulencia et al., Phys. Rev. **D74** (2006) 071103

- 462 Measurement of the $t\bar{t}$ cross section in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV in the all hadronic decay mode
 A Abulencia et al., Phys. Rev. **D74** (2006) 072005
- 463 Measurement of the $t\bar{t}$ cross section in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV using lepton+jets events with jet probability b -tagging
 A Abulencia et al., Phys. Rev. **D74** (2006) 072006
- 464 Search for excited and exotic muons in the $\mu\gamma$ decay channel in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
 A Abulencia et al., Phys. Rev. Lett. **97** (2006) 191802
- 465 Observation of $B_s^0 \rightarrow K^+K^-$ and measurements of branching fractions of charmless Two-body decays of B^0 and B_s^0 mesons in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
 A Abulencia et al., Phys. Rev. Lett. **97** (2006) 211802
- 466 Observation of $B_s^0 - \overline{B_s^0}$ oscillations
 A Abulencia et al., Phys. Rev. Lett. **97** (2006) 242003
- 467 Measurement of the ratios of branching fractions $B(B_s^0 \rightarrow D_s^-\pi^+\pi^+\pi^-)/B(B^0 \rightarrow D^-\pi^+\pi^+\pi^-)$ and $B(B_s^0 \rightarrow D_s^-\pi^+)/B(B^0 \rightarrow D^-\pi^+)$
 A Abulencia et al., Phys. Rev. Lett. **98** (2007) 061802
- 468 Measurement of the B^+ production cross section in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
 A Abulencia et al., Phys. Rev. **D75** (2007) 012010
- 469 Search for exotic $S = -2$ baryons $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
 A Abulencia et al., Phys. Rev. **D75** (2007) 032003
- 470 Search for V+A current in top-quark decays in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
 A Abulencia, et al., Phys. Rev. Lett. **98** (2007) 072001
- 471 Observation of exclusive electron-positron production in hadron-hadron collisions
 A Abulencia, et al., Phys. Rev. Lett. **98** (2007) 112001
- 472 Measurement of $\sigma_{\Lambda_b^0}/\sigma_{\bar{B}^0} \times B(\Lambda_b^0 \rightarrow \Lambda_c^+\pi^-)/B(B^0 \rightarrow D^+\pi^-)$ in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
 A Abulencia et al., Phys. Rev. Lett. **98** (2007) 122002
- 473 Measurement of the Λ_b^0 lifetime in $\Lambda_b^0 \rightarrow J/\psi\Lambda^0$ in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
 A Abulencia et al., Phys. Rev. Lett. **98** (2007) 122001
- 474 Precision measurement of the top quark mass from dilepton events at CDF II
 A. Abulencia et al., Phys. Rev. **D75** (2007) 031105
- 475 Measurement of the helicity fractions of W bosons from top quark decays using fully reconstructed $t\bar{t}$ events with CDF II
 A Abulencia et al., Phys. Rev. **D75** (2007) 052001
- 476 analysis of the quantum numbers JPC of the $X(3872)$
 A Abulencia et al., Phys. Rev. Lett. **98** (2007) 132002
- 477 Search for anomalous production of multilepton events in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
 A Abulencia et al., Phys. Rev. Lett. **98** (2007) 131804
- 478 Measurement of the top quark mass in all-hadronic decays in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
 A Aaltonen et al., Phys. Rev. Lett. **98** (2007) 142001
- 479 Measurement of the top quark mass in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV using the decay length technique
 A Abulencia et al., Phys. Rev. **D75** (2007) 071102
- 480 Observation of WZ production
 A Abulencia et al., Phys. Rev. Lett. **98** (2007) 161801
- 481 Measurement of $\sigma p\bar{p} \rightarrow Z) \cdot B(Z \rightarrow \tau\tau)$ in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
 A Abulencia et al., Phys. Rev. **D75** (2007) 092004
- 482 First measurement of the ratio of central-electron to forward-electron W partial cross sections in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
 A Abulencia et al., Phys. Rev. Lett. **98** (2007) 251801

- 483 Measurement of $\sigma \chi_2^c.B(\chi_2^c \rightarrow J/\psi\gamma)/\sigma \chi_1^c.B(\chi_1^c \rightarrow --> J/\psi\gamma)$ in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
A Abulencia et al., Phys. Rev. Lett. **98** (2007) 232001
- 484 Search for new physics in lepton + photon + X events with 929 pb^{-1} of $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
A Abulencia et al., Phys. Rev. **D75** (2007) 112001
- 485 Inclusive search for new physics with like-sign dilepton events in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
A Abulencia et al., Phys. Rev. Lett. **98**, (2007) 221803
- 486 Measurement of the inclusive jet cross section using the k_T algorithm in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV with the CDF II Detector
A Abulencia et al., Phys. Rev. **D75** (2007) 092006
- 487 Measurement of the top-quark mass using missing E_T + jets events with secondary vertex b-tagging at CDF II
T Aaltonen et al., Phys. Rev. **D75** (2007) 111103
- 488 Search for W boson decaying into electron-neutrino pairs in $p\bar{p}$ collisions collisions at $\sqrt{s} = 1.96$ TeV
T Abulencia et al., Phys. Rev. **D75** (2007) 091101
- 489 Observation and mass measurement of the baryon Ξ_b
T Aaltonen et al., Phys. Rev. Lett. **99** (2007) 052002
- 490 Search for heavy, long-lived particles that decay to photons at CDF II
A Abulencia et al., Phys. Rev. Lett. **99** (2007) 121801
- 491 Polarization of J/ψ and $\psi(2S)$ mesons produced in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
A Abulencia et al., Phys. Rev. Lett. **99** (2007) 132001
- 492 First measurement of the W -boson mass in Run II the Tevatron
T Aaltonen et al., Phys. Rev. Lett. **99** (2007) 151801
- 493 Search for new physics in high mass electron-positron events in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
T Aaltonen et al., Phys. Rev. Lett. **99** (2007) 171802
- 494 Search for a high-mass diphoton state and limits on Randall-Sundrum gravitons at CDF
T Aaltonen et al., Phys. Rev. Lett. **99** (2007) 171801
- 495 Search for new particles leading to Z + jets final states in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
T Aaltonen et al., Phys. Rev. **D76** (2007) 072006
- 496 Measurement of the $p\bar{p} \rightarrow t\bar{t}$ production cross section and the top quark mass at $\sqrt{s} = 1.96$ TeV in the all-hadronic decay Mode
T Aaltonen et al., Phys. Rev. **D76** (2007) 072009
- 497 Search for direct pair production of supersymmetric top and supersymmetric bottom quarks in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
T Aaltonen et al., Phys. Rev. **D76** (2007) 072010
- 498 Precise measurement of the top quark mass in the lepton + jets topology at CDF II
A Abulencia et al., Phys. Rev. Lett. **99** (2007) 182002
- 499 Measurements of of inclusive W and Z cross sections in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
A Abulencia et al., J. Phys. G (2007) 2457-2544
- 500 First observation of heavy baryons Σ_b and Σ_b^*
T Aaltonen et al., Phys. Rev. Lett. **99** (2007) 202001
- 501 Search for chargino-neutralino production in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
T Aaltonen et al., Phys. Rev. Lett. **99** (2007) 191806
- 502 Limits on anomalous triple gauge couplings in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
T Aaltonen et al., Phys. Rev. **D76**, (2007) 111103
- 503 Search for exclusive gamma gamma production in hadron-hadron collisions
T Aaltonen et al., Phys. Rev. Lett. **99** (2007) 242002

- 504 First observation of the decay $B_s^0 \rightarrow D_s - D_s^+$ and measurement of its branching ratio
 A Abulencia et al., Phys. Rev. Lett. **100** (2008) 021803
- 505 Search for standard model Higgs bosons produced in association with W bosons
 T Aaltonen et al., Phys. Rev. Lett. **100** (2008) 041801
- 506 Measurement of the cross section for W -boson production in association with jets in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
 T Aaltonen et al., Phys. Rev. **D77**, (2008) 011108
- 507 Observation of orbitally excited B_s mesons
 T Aaltonen et al., Phys. Rev. Lett. **100** (2008) 082001
- 508 A direct measurement of the W boson width in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
 T Aaltonen et al., Phys. Rev. Lett. **100** (2008) 071801
- 509 Cross section constrained top quark mass measurement from dilepton events at the Tevatron
 T Aaltonen et al., Phys. Rev. Lett. **100** (2008) 062005
- 510 Search for chargino-neutralino production in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV with high- $p(t)$ leptons
 T Aaltonen et al., Phys. Rev. **D77** (2008) 052002
- 511 Limits on the production of narrow $t\bar{t}$ resonances in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
 T Aaltonen et al., Phys. Rev. **D77** (2008) 051102
- 512 Observation of exclusive dijet production at the Fermilab Tevatron $p\bar{p}$ Collider
 T Aaltonen et al., Phys. Rev. **D77** (2008) 052004
- 513 Search for $B^0(s) \rightarrow \mu^+\mu^-$ and $B^0(d) \rightarrow \mu^+\mu^-$ decays in 2 fb^{-1} of $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
 T Aaltonen et al., Phys. Rev. Lett. **100** (2008) 101802
- 514 First measurement of the production of a W boson in association with a single charm quark $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
 T Aaltonen et al., Phys. Rev. Lett. **100** (2008) 091803
- 515 Measurement of inclusive jet cross sections in $Z/\gamma\gamma^*(-, e+e-)+\text{jets}$ production in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
 T Aaltonen et al., Phys. Rev. Lett. **100** (2008) 102001
- 516 Measurement of ratios of fragmentation fractions for bottom hadrons in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
 T Aaltonen et al., Phys. Rev. **D77** (2008) 072003
- 517 Search for heavy top-like quarks using lepton plus jets events in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
 T Aaltonen et al., Phys. Rev. Lett. **100** (2008) 161803
- 518 Evidence for $D^0\bar{D}^0$ mixing using the CDF II Detector
 T Aaltonen et al., Phys. Rev. Lett. **100** (2008) 121802
- 519 First flavor-tagged determination of bounds on mixing-induced CP violation in $B^0 \rightarrow J/\psi\phi$ decays
 T Aaltonen et al., Phys. Rev. Lett. **100** (2008) 161802
- 520 Two-particle momentum correlations in jets produced in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
 T Aaltonen et al., Phys. Rev. **D77** (2008) 092001
- 521 Measurement of correlated $b\bar{b}$ production in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
 T Aaltonen et al., Phys. Rev. **D77** (2008) 072004
- 522 Observation of the decay $B_c^\pm \rightarrow J/\psi\pi^\pm$ and Measurement of the B_c^\pm mass
 T Aaltonen et al., Phys. Rev. Lett. **100** (2008) 182002
- 523 Measurement of lifetime and decay-width difference in $B^0(s) \rightarrow J/\psi\phi$ decays
 T Aaltonen et al., Phys. Rev. Lett. **100** (2008) 121803
- 524 Search for resonant $t\bar{t}$ production in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
 T Aaltonen et al., Phys. Rev. Lett. **100** (2008) 231801

- 525 Search for third generation vector leptoquarks in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
T Aaltonen et al., Phys. Rev. **D77** (2008) 091105
- 526 First Run II Measurement of the W boson mass
T Aaltonen et al., Phys. Rev. **D77** (2008) 112001
- 527 Search for the Higgs boson in events with missing transverse energy and b quark jets produced in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
T Aaltonen et al., Phys. Rev. Lett. **100** (2008) 211801
- 528 Strong evidence for ZZ production in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
T Aaltonen et al., Phys. Rev. Lett. **100** (2008) 201801
- 529 cross section measurements of high- $p(t)$ dilepton final-state processes using a global fitting method
A Abulencia et al., Phys. Rev. **D78** (2008) 012003
- 530 Model-Independent and quasi-model-independent search for new physics at CDF
T Aaltonen et al., Phys. Rev. **D78** (2008) 012002
- 531 Search for new heavy particles decaying into $Z^0 Z^0 \rightarrow eeee$ in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
T Aaltonen et al., Phys. Rev. **D78** (2008) 012008
- 532 Search for Standard Model Higgs boson production in association with a W boson at CDF
T Aaltonen et al., Phys. Rev. **D78** (2008) 032008
- 533 Search for pair production of scalar top quarks decaying to a τ lepton and a b quark in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
T Aaltonen et al., Phys. Rev. Lett. **101** (2008) 071802
Publisher's note, Phys. Rev. Lett. **101** (2008) 089901
- 534 Search for doubly charged Higgs bosons with lepton-flavor-violating decays involving tau leptons
T Aaltonen et al., Phys. Rev. Lett. **101** (2008) 121801
- 535 Search for heavy, long-lived neutralinos that decay to photons at CDF II using photon timing
T Aaltonen et al., Phys. Rev. **D78** (2008) 032015
- 536 Measurement of the inclusive jet cross section at the Fermilab Tevatron $p\bar{p}$ collider using a cone-based jet algorithm
T Aaltonen et al., Phys. Rev. **D78** (2008) 052006
Erratum, Phys. Rev. **D79** (2009) 119902
- 537 Measurement of b-jet shapes in inclusive jet production in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
T Aaltonen et al., Phys. Rev. **D78** (2008) 072005
- 538 Search for the flavor changing neutral current decay $t \rightarrow Zq$ in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
T Aaltonen et al., Phys. Rev. Lett. **101** (2008) 192002
- 539 Forward-backward asymmetry in top quark production in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
T Aaltonen et al., Phys. Rev. Lett. **101** (2008) 202001
- 540 Search for large extra dimensions in final states containing one photon or jet and large missing transverse energy produced in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
T Aaltonen et al., Phys. Rev. Lett. **101** (2008) 181602
- 541 First Measurement of the fraction of top quark pair production through gluon-gluon fusion
T Aaltonen et al., Phys. Rev. **D78** (2008) 111101
- 542 Search for Higgs boson produced with $Z \rightarrow l^+l^-$ in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
T Aaltonen et al., Phys. Rev. Lett. **101** (2008) 251803
- 543 Measurement of the single top quark production cross section at CDF
T Aaltonen et al., Phys. Rev. Lett. **101** (2008) 252001
- 544 Search for supersymmetry in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV using the trilepton signature of chargino-neutralino production
T Aaltonen et al., Phys. Rev. Lett. **101** (2008) 251801

- 545 Global search for new physics with 2.0 fb^{-1} at CDF
T Aaltonen et al., Phys. Rev. **D79** (2009) 011101
- 546 Search for the rare B decays $B^+ \rightarrow \mu^+ \mu^- K^+$, $B^0 \rightarrow \mu^+ \mu^- K^*(892)^0$, and $B^0(s) \rightarrow \mu^+ \mu^- \phi$ at CDF
T Aaltonen et al., Phys. Rev. **D79** (2009) 011104
- 547 Search for a Higgs boson decaying to two W bosons at CDF
T Aaltonen et al., Phys. Rev. Lett. **102** (2009) 021802
- 548 Search for high-mass $e^+ e^-$ resonances in $p\bar{p}$ collisions at $\sqrt{s} = 1.96 \text{ TeV}$
T Aaltonen et al., Phys. Rev. Lett. **102** (2009) 031801
Publishers note: Phys. Rev. Lett. **102** (2009) 059901
- 549 Search for maximal flavor violating scalars in same-charge lepton pairs in $p\bar{p}$ collisions at $\sqrt{s} = 1.96 \text{ TeV}$
T Aaltonen et al., Phys. Rev. Lett. **102** (2009) 041801
- 550 Direct bound on the total decay width of the top quark in $p\bar{p}$ collisions at $\sqrt{s} = 1.96 \text{ TeV}$
T Aaltonen et al., Phys. Rev. Lett. **102** (2009) 042001
- 551 Measurement of the fraction of $t\bar{t}$ production via gluon-gluon fusion in $p\bar{p}$ collisions at $\sqrt{s} = 1.96 \text{ TeV}$
T Aaltonen et al., Phys. Rev. **D79** (2009) 031101
- 552 First Measurement of the ratio of branching fractions $B(\Lambda^0(b) \rightarrow \Lambda_c^+ \mu^- \bar{\nu}_\mu)/B(\Lambda^0(b) \rightarrow \Lambda_c^+ \pi^\pm)$
T Aaltonen et al., Phys. Rev. **D79** (2009) 032001
- 553 Search for new physics in the $\mu\mu + e/\mu + \text{missing}E(t)$ channel with a low-p(t) lepton threshold at the Collider Detector at Fermilab
T Aaltonen et al., Phys. Rev. **D79** (2009) 052004
- 554 A search for high-mass resonances decaying to dimuons at CDF
T Aaltonen et al., Phys. Rev. Lett. **102** (2009) 091805
- 555 Measurement of Resonance parameters of orbitally excited narrowm B^0 mesons
T Aaltonen et al., Phys. Rev. Lett. **102** (2009) 102003
- 556 Measurement of the $t\bar{t}$ production cross section in 2 fb^{-1} of bar collisions at $\sqrt{s} = 1.96 \text{ TeV}$ using lepton plus jets events with soft muon b -tagging,
T Aaltonen et al., Phys. Rev. **D79** (2009) 052007
- 557 Measurement of cross sections for b -jet production in events with a Z boson in $p\bar{p}$ collisions at $\sqrt{s} = 1.96 \text{ TeV}$
T Aaltonen et al., Phys. Rev. **D79** (2009) 052008
- 558 Inclusive search for squark and gluino production in $p\bar{p}$ collisions at $\sqrt{s} = 1.96 \text{ TeV}$
T Aaltonen et al., Phys. Rev. Lett. **102** (2009) 121801
- 559 Search for top-quark production via flavor-changing neutral currents in $W + 1$ jet events at CDF
T Aaltonen et al., Phys. Rev. Lett. **102** (2009) 151801
- 560 Measurement of the top quark mass with dilepton events selected using neuroevolution at CDF II
T Aaltonen et al., Phys. Rev. Lett. **102** (2009) 152001
- 561 Top quark mass measurement in the lepton plus jets channel using a modified matrix element method
T Aaltonen et al., Phys. Rev. **D79** (2009) 072001
- 562 Measurement of the top quark mass at CDF using the neutrino ϕ weighting template method on a lepton plus isolated track sample,
T Aaltonen et al., Phys. Rev. **D79** (2009) 072005
- 563 Top quark mass measurement in the $t\bar{t}$ all hadronic channel using a matrix element technique in $p\bar{p}$ collisions at $\sqrt{s} = 1.96 \text{ TeV}$
T Aaltonen et al., Phys. Rev. **D79** (2009) 072010
- 564 Measurement of the b -hadron production cross section using decays to $\mu - D^0 X$ final states in $p\bar{p}$ collisions at $\sqrt{s} = 1.96 \text{ TeV}$
T Aaltonen et al., Phys. Rev. **D79** (2009) 092003

- 565 First simultaneous measurement of the top quark mass in the lepton + jets and dilepton channels at CDF
T Aaltonen et al., Phys. Rev. **D79** (2009) 092005
- 566 Search for new particles decaying into dijets in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
T Aaltonen et al., Phys. Rev. **D79** (2009) 112002
- 567 Measurement of W -boson helicity fractions in top-quark decays using $\cos \theta^*$
T Aaltonen et al., Phys. Lett. B 674 (2009) 160-167
- 568 Direct measurement of the W production charge asymmetry in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
T Aaltonen et al., Phys. Rev. Lett. **102** (2009) 181801
- 569 Search for the decays $B_{(s)}^0 \rightarrow e^+ \mu^-$ and $B_{(s)}^0 \rightarrow e^+ e^-$ in CDF Run II,
T Aaltonen et al., Phys. Rev. Lett. **102** (2009) 201801
- 570 Search for gluino-mediated bottom squark production in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
T Aaltonen et al., Phys. Rev. Lett. **102** (2009) 221801
- 571 Search for exclusive Z boson production and observation of high mass $p\bar{p} \rightarrow p\gamma\gamma\bar{p} \rightarrow p\ell^+\ell^-\bar{p}$ events in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
T Aaltonen et al., Phys. Rev. Lett. **102** (2009) 222002
- 572 First measurement of the $t\bar{t}$ differential cross section $d\sigma/dM_{t\bar{t}}$ in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
T Aaltonen et al., Phys. Rev. Lett. **102** (2009) 222003
- 573 Measurement of the k_T distribution of particles in jets produced in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
T Aaltonen et al., Phys. Rev. Lett. **102** (2009) 232002
- 574 Observation of exclusive charmonium production and $\gamma\gamma \rightarrow \mu^+\mu^-$ in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
T Aaltonen et al., Phys. Rev. Lett. **102** (2009) 242001
- 575 Evidence for a narrow near-threshold structure in the $J/\psi\phi$ mass spectrum in $B^+ \rightarrow J/\psi\phi K^+$ decays,
T Aaltonen et al., Phys. Rev. Lett. **102** (2009) 242002
- 576 Measurement of the ratio of branching fractions $BB \rightarrow J/\psi\pi^\pm/BB \rightarrow J/\psi K^\pm$
A Abulencia et al., Phys. Rev. **D79** (2009) 112003
- 577 Measurement of particle production and inclusive differential cross sections in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
T Aaltonen et al., Phys. Rev. **D79** (2009) 112005
Erratum, Phys. Rev. **D82** (2010) 119903
- 578 A measurement of the $t\bar{t}$ cross section in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV using dilepton events with a lepton plus Track Selection,
T Aaltonen et al., Phys. Rev. **D79** (2009) 112007
- 579 Search for WW and WZ production in lepton plus jets final states at CDF
T Aaltonen et al., Phys. Rev. **D79** (2009) 112011
- 580 Search for narrow resonances lighter than Υ mesons
T Aaltonen et al., Eur. Phys. J. C 62 (2009) 319-326
- 581 Searching the inclusive $\ell\gamma$ missing $E(t)+$ b -quark signature for radiative top quark decay and non-Standard-Model processes
T Aaltonen et al., Phys. Rev. **D80** (2009) 011102
- 582 Search for a Standard Model Higgs boson production in association with a W boson using a neural network discriminant at CDF
T Aaltonen et al., Phys. Rev. **D80** (2009) 012002
- 583 Production of $\psi(2S)$ mesons in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
T Aaltonen et al., Phys. Rev. **D 80** (2009) 031103
- 584 Measurement of the mass of the top quark using the invariant mass of lepton pairs in soft muon b -tagged events
T Aaltonen et al., Phys. Rev. **D 80** (2009) 051104

- 585 Search for the neutral current top quark decay $t \rightarrow Zc$ using ratio of Z -boson + 4 jets to W -boson + 4 jets production
T Aaltonen et al., Phys. Rev. **D 80** (2009) 052001
- 586 Search for anomalous production of events with a photon, jet, b -quark jet, and missing transverse energy
T Aaltonen et al., Phys. Rev. **D 80** (2009) 052003
- 587 Search for hadronic decays of W and Z bosons in photon events in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
T Aaltonen et al., Phys. Rev. **D 80** (2009) 052011
Publisher's note, Phys. Rev. **D 80** (2009) 079901
- 588 A search for the Higgs boson produced in association with $Z \rightarrow \ell^+\ell^-$ using the matrix element method at CDF II
T Aaltonen et al., Phys. Rev. **D 80** (2009) 071101
- 589 Observation of the Ω_b^- and measurement of the properties of the Ξ_b^- and Ω_b^- baryons
T Aaltonen et al., Phys. Rev. **D80** (2009) 072003
- 590 Search for long-lived massive charged particles in 1.96 TeV $p\bar{p}$ collisions
T Aaltonen et al., Phys. Rev. Lett. **103** (2009) 021802
- 591 Observation of new charmless decays of bottom hadrons
T Aaltonen et al., Phys. Rev. Lett. **103** (2009) 031801
- 592 Search for a fermiophobic Higgs boson decaying into diphotons in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
T Aaltonen et al., Phys. Rev. Lett. **103** (2009) 061803
- 593 Search for the production of narrow $t\bar{b}$ resonances in 1.9 fb^{-1} of $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
T Aaltonen et al., Phys. Rev. Lett. **103** (2009) 041801
- 594 First observation of vector boson pairs in a hadronic final state at the Tevatron Collider
T Aaltonen et al., Phys. Rev. Lett. **103** (2009) 091803
- 595 Observation of electroweak single top quark production
T Aaltonen et al., Phys. Rev. Lett. **103** (2009) 092002
- 596 Search for a Standard Model Higgs boson in $WH \rightarrow \ell nubb$ in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
T Aaltonen et al., Phys. Rev. Lett. **103** (2009) 101802
- 597 Search for charged Higgs bosons in decays of top quarks in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
T Aaltonen et al., Phys. Rev. Lett. **103** (2009) 101803
- 598 Precision measurement of the $X(3872)$ mass in $J/\psi\pi^+\pi^-$ decays
T Aaltonen et al., Phys. Rev. Lett. **103** (2009) 152001
- 599 First observation of $\bar{B}_s^0 \rightarrow D^\pm K^\mp$ and measurement of the ratio of branching fractions $B(\bar{B}_s^0 \rightarrow D^\pm K^\mp)/B(\bar{B}_s^0 \rightarrow D_s^+\pi^-)$
T Aaltonen et al., Phys. Rev. Lett. **103** (2009) 191802
- 600 Search for Higgs bosons predicted in two-Higgs-doublet models via decays to tau lepton pairs in 1.96 TeV $p\bar{p}$ collisions
T Aaltonen et al., Phys. Rev. Lett. **103** (2009) 201801
- 601 A search for the associated production of the Standard-Model Higgs boson in the all-hadronic channel
T Aaltonen et al., Phys. Rev. Lett. **103** (2009) 221801
- 602 Measurement of the inclusive isolated prompt photon cross section in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV using the CDF detector
T Aaltonen et al., Phys. Rev. **D80** (2009) 111106
- 603 Search for supersymmetry with gauge-mediated breaking in diphoton events with missing transverse energy at CDF II
T Aaltonen et al., Phys. Rev. Lett. **104** (2010) 011801
- 604 Inclusive search for Standard Model Higgs boson production in the WW decay channel using the CDF II Detector
T Aaltonen et al., Phys. Rev. Lett. **104** (2010) 061803

- 605 Combination of Tevatron searches for the Standard Model Higgs boson in the W^+W^- decay mode
T Aaltonen et al., Phys. Rev. Lett. **104** (2010) 061802
- 606 Measurement of the top quark mass in the dilepton channel using m_{T2} at CDF
T Aaltonen et al., Phys. Rev. **D81** (2010) 031102
- 607 Measurement of branching fraction ratios and CP asymmetries in $B^\pm \rightarrow D_{CP}K^\pm$ decays in hadron collisions
T Aaltonen et al., Phys. Rev. **D81** (2010) 031105
- 608 Measurements of the top-quark mass using charged particle tracking
T Aaltonen et al., Phys. Rev. **D81** (2010) 032002
- 609 Search for new bottomlike quark pair decays $QQ^- \rightarrow (tW^\mp)(\bar{t}W^\pm)$ in same-charge dilepton events
T Aaltonen et al., Phys. Rev. Lett. **104** (2010) 091801
- 610 Measurement of the $WW + WZ$ production cross section using the lepton + jets final state at CDF II
T Aaltonen et al., Phys. Rev. Lett. **104** (2010) 101801
- 611 Measurement of the Λ_b^0 lifetime in $\Lambda_b^0 \rightarrow \Lambda_c^+ \pi^-$ decays in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
T Aaltonen et al., Phys. Rev. Lett. **104** (2010) 102002
- 612 Measurement of the top quark mass and $p\bar{p} \rightarrow t\bar{t}$ cross section in the all-hadronic mode with the CDF II detector
T Aaltonen et al., Phys. Rev. **D81** (2010) 052001
- 613 A Study of the associated production of photons and b -quark jets in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
T Aaltonen et al., Phys. Rev. **D81** (2010) 052006
- 614 Search for technicolor particles produced in association with a W boson at CDF
T Aaltonen et al., Phys. Rev. Lett. **104** (2010) 111802
- 615 Measurement of the b -jet cross section in events with a W boson in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
T Aaltonen et al., Phys. Rev. Lett. **104** (2010) 131801
- 616 A search for the Higgs boson using neural networks in events with missing energy and b -quark jets in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
T Aaltonen et al., Phys. Rev. Lett. **104** (2010) 141801
- 617 Search for single top quark production in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV in the missing transverse energy plus jets topology
T Aaltonen et al., Phys. Rev. **D81** (2010) 072003
- 618 Measurement of the $t\bar{t}$ production cross sections in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV using soft electron b -tagging
T Aaltonen et al., Phys. Rev. **D 81** (2010) 092002
- 619 Measurement of the W^+W^- production cross section and search for anomalous $WW\gamma$ and WWZ Couplings in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
T Aaltonen et al., Phys. Rev. Lett. **104** (2010) 201801
Publisher's Note: Phys. Rev. Lett. 105 (2010) 019905
- 620 Search for WW and WZ Resonances decaying to electron, missing E_T , and two jets in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
T Aaltonen et al., Phys. Rev. Lett. **104** (2010) 241801
- 621 Search for pair production of supersymmetric top quarks in dilepton events in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
T Aaltonen et al., Phys. Rev. Lett. **104** (2010) 251801
- 622 First measurement of the ratio $\sigma_{t\bar{t}}/\sigma_{Z/\text{gamma} \rightarrow ll}$ and precise extraction of the $t\bar{t}$ cross section
T Aaltonen et al., Phys. Rev. Lett. **105** (2010) 012001
- 623 Combined Tevatron upper limit on $gg \rightarrow H \rightarrow W^+W^-$ and constraints on the Higgs boson mass in fourth-generation fermion models
T Aaltonen et al., Phys. Rev. **D82** (2010) 011102

- 624 Measurement of W -boson polarization in top-quark decay in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
T Aaltonen et al., Phys. Rev. Lett. **105** (2010) 042002
- 625 Search for a new color-octet vector particle decaying to $t\bar{t}$ collisions at $\sqrt{s} = 1.96$ TeV
T Aaltonen et al., Phys. Lett. B 691 (2010) 183-90
- 626 Search for the production of scalar bottom quarks in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
T Aaltonen et al., Phys. Rev. Lett. **105** (2010) 081802
- 627 Measurement of $Z\gamma$ production in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
T Aaltonen et al., Phys. Rev. **D82** (2010) 031103
- 628 Studying the underlying event in Drell-Yan and high transverse momentum jet production at the Tevatron
T Aaltonen et al., Phys. Rev. **D82** (2010) 034001
- 629 Measurement of the top pair production cross section in the dilepton decay channel in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
T Aaltonen et al., Phys. Rev. **D82** (2010) 052002
- 630 Exclusion of an exotic top quark with -4/3 electric charge using soft lepton tagging
T Aaltonen et al., Phys. Rev. Lett. **105** (2010) 101801
- 631 Search for new physics with a dijet plus missing E_T signature in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
T Aaltonen et al., Phys. Rev. Lett. **105** (2010) 131801
- 632 Measurement of $d\sigma/dy$ of Drell-Yan pairs in the Z mass region from $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
T Aaltonen et al., Phys. Lett. B 692 (2010) 232-239
- 633 Study of multi-muon events produced in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
T Aaltonen et al., Eur. Phys. J. 68 (2010) 109-118
Comments and reply: S Bethge, T Aaltonen et al., Eur. Phys. J. 68 (2010) 119-123
- 634 Search for anomalous production of events with two photons and additional energetic objects at CDF
T Aaltonen et al., Phys. Rev. **D82** (2010) 052005
- 635 Updated search for the flavor-changing neutral-current decay $D_0 \rightarrow \mu^+ \mu^-$ in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
T Aaltonen et al., Phys. Rev. **D82** (2010) 091105
- 636 Search for the supersymmetric partner of the top quark in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
T Aaltonen et al., Phys. Rev. **D82** (2010) 092001
- 637 Search for R -parity violating decays of Sneutrinos to $e\mu, \mu\tau$, and $e\tau$ pairs in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
T Aaltonen et al., Phys. Rev. Lett. **105** (2010) 191801
- 638 Direct top-quark width measurement at CDF
T Aaltonen et al., Phys. Rev. Lett. **105** (2010) 232003
- 639 Improved search for a Higgs boson produced in association with $Z \rightarrow l^+l^-$ in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
T Aaltonen et al., Phys. Rev. Lett. **105** (2010) 251802
- 640 Top quark mass measurement in the lepton+jets channel using a matrix element method and *in situ* jet energy calibration
T Aaltonen et al., Phys. Rev. Lett. **105** (2010) 252001
- 641 Measurement of the $WW + WZ$ cross section using a matrix element technique in lepton+jets events
T Aaltonen et al., Phys. Rev. **D82** (2010) 112001
- 642 Diffractive W and Z production at the Fermilab Tevatron
T Aaltonen et al., Phys. Rev. **D82** (2010) 112004
- 643 Observation of single top quark production and measurement of $|V_{tb}|$ with CDF
T Aaltonen et al., Phys. Rev. **D82** (2010) 112005

- 644 Search for Randall-Sundrum gravitons in the diphoton channel at CDF
 T Aaltonen et al., Phys. Rev. **D 83** (2011) 011102
- 645 Search for a new heavy gauge boson W' with event signature electron + missing transverse energy in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
 T Aaltonen et al., Phys. Rev. **D 83** (2011) 031102
- 646 Measurement of the B^- lifetime using a simulation free approach for trigger bias correction
 T Aaltonen et al., Phys. Rev. **D 83** (2011) 032008
- 647 Measurement of $t\bar{t}$ spin correlation in $p\bar{p}$ collisions using the CDF II detector at the Tevatron
 T Aaltonen et al., Phys. Rev. **D 83** (2011) 031104
- 648 Search for high mass resonances decaying into muon pairs in $\text{sqrt}s = 1.96$ Tev $p\bar{p}$ collisions
 T Aaltonen et al., Phys. Rev. Lett. **106** (2011) 121803
- 649 Measurement of b hadron lifetimes in exclusive decays containing a J/ψ in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
 T Aaltonen et al., Phys. Rev. Lett. **106** (2011) 121804
- 650 Observation of $B_s^0 \rightarrow J/\psi K^*(892)^0$ and $B_s^0 \rightarrow J/\psi K_s^0$ decays
 T Aaltonen et al., Phys. Rev. **D 83** (2011) 052012
- 651 Search for heavy bottomlike quarks decaying into an electron or muon and jets in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
 T Aaltonen et al., Phys. Rev. Lett. **106** (2011) 141803
- 652 Measurement of the mass difference between t and \bar{t} quarks
 T Aaltonen et al., Phys. Rev. Lett. **106** (2011) 152001
- 653 Measurement of the forward-backward asymmetry in the $B \rightarrow K^{(*)}\mu^+\mu^-$ decay and first observation of the $B_s^0 \rightarrow \phi\mu^+\mu^-$ decay
 T Aaltonen et al., Phys. Rev. Lett. **106** (2011) 161801
- 654 Measurement of the $t\bar{t}$ production cross section with an *in situ* calibration of b -jet identification efficiency
 T Aaltonen et al., Phys. Rev. **D 83** (2011) 071102
- 655 Invariant mass distribution of jet pairs produced in association with a W boson in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
 T Aaltonen et al., Phys. Rev. Lett. **106** (2011) 171801
- 656 Measurement of direct CP violating asymmetries in charmless decays of strange bottom mesons and bottom baryons
 T Aaltonen et al., Phys. Rev. Lett. **106** (2011) 181802
- 657 Search for production of heavy particles decaying to top quarks and invisible particles in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
 T Aaltonen et al., Phys. Rev. Lett. **106** (2011) 191801
- 658 Top quark mass measurement using the template method at CDF
 T Aaltonen et al., Phys. Rev. **D 83** (2011) 111101
- 659 Evidence for a mass dependent forward-backward asymmetry in top quark pair production
 T Aaltonen et al., Phys. Rev. **D 83** (2011) 112003
- 660 First measurement of the angular coefficients of Drell-Yan e^+e^- pairs in the Z mass region from $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
 T Aaltonen et al., Phys. Rev. Lett. **106** (2011) 241801
- 661 Measurement of event shapes in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
 T Aaltonen et al., Phys. Rev. **D 83** (2011) 112007
- 662 Search for new heavy particles decaying to $Z \rightarrow \ell\ell\ell\ell, \ell\ell jj$ in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
 T Aaltonen et al., Phys. Rev. **D 83** (2011) 112008
- 663 Search for a very light Higgs boson in top-quark decays from $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
 T Aaltonen et al., Phys. Rev. Lett. **107** (2011) 031801

- 664 Measurement of the properties of $\Lambda_c(2595)$, $\Lambda_c(2625)$, $\Sigma_c(2455)$, and $\Sigma_c(2520)$ baryons
T Aaltonen et al., Phys. Rev. **D** **84** (2011) 012003
- 665 First search for multijet resonances in $\sqrt{s} = 1.96$ TeV $p\bar{p}$ collisions
T Aaltonen et al., Phys. Rev. Lett. **107** (2011) 042001
- 666 Search for new dielectron resonances and Randall-Sundrum gravitons at the Collider Detector at Fermilab
T Aaltonen et al., Phys. Rev. Lett. **107** (2011) 0051801
- 667 Limits on trilinear gauge couplings in $Z\gamma$ events from $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
T Aaltonen et al., Phys. Rev. Lett. **107** (2011) 051802
- 668 Measurement of the top pair production cross section in the lepton+jets channel using a jet flavor discriminant
T Aaltonen et al., Phys. Rev. **D** **84** (2011) 031101
- 669 Measurement of the $t\bar{t}$ production cross section in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV using events with large missing transverse energy and jets
T Aaltonen et al., Phys. Rev. **D** **84** (2011) 032003
- 670 Improved determination of the sample composition of dimuon events produced in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
T Aaltonen et al., Eur. Phys. J. C **71** (2011) 1720
- 671 Observation of the Ξ_b^0 baryon
T Aaltonen et al., Phys. Rev. Lett. **107** (2011) 102001
- 672 Evidence for $t\bar{t}\gamma$ production and measurement of $\sigma_{t\bar{t}\gamma}/\sigma_{t\bar{t}}$
T Aaltonen et al., Phys. Rev. **D** **84** (2011) 031104
- 673 Measurement of the cross section for prompt isolated diphoton production in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
T Aaltonen et al., Phys. Rev. Lett. **107** (2011) 102003
- 674 Measurement of the cross section for prompt isolated diphoton production in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
T Aaltonen et al., Phys. Rev. **D** **84** (2011) 052006
- 675 Search for the Higgs boson in the all-hadronic final state using the CDF-II detector
T Aaltonen et al., Phys. Rev. **D** **84** (2011) 052010
- 676 Measurement of branching ratio and B^0 lifetime in the decay $B_s^0 \rightarrow J/\psi f^0(980)$ at CDF
T Aaltonen et al., Phys. Rev. **D** **84** (2011) 052012
- 677 Search for resonant production of $t\bar{t}$ decaying to jets in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
T Aaltonen et al., Phys. Rev. **D** **84** (2011) 072003
- 678 Measurement of the top-quark mass in the lepton+jets channel using a matrix element technique with the CDF II detector
T Aaltonen et al., Phys. Rev. **D** **84** (2011) 071105
- 679 Search for new physics in high p_T like-sign dilepton events at CDF II
T Aaltonen et al., Phys. Rev. Lett. **107** (2011) 181801
- 680 Search for resonant production of $t\bar{t}$ pairs in 4.8 fb $^{-1}$ of integrated luminosity of $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
T Aaltonen et al., Phys. Rev. **D** **84** (2011) 072004
- 681 Search for $B_s \rightarrow \mu^+ \mu^-$ and $B \rightarrow \mu^+ \mu^-$ decays with CDF II
T Aaltonen et al., Phys. Rev. Lett. **107** (2011) 191801
- 682 Search for new T' particles in final states with large jet multiplicities and missing transverse energy in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
T Aaltonen et al., Phys. Rev. Lett. **107** (2011) 191803

- 683 Observation of the baryonic flavor-changing neutral current decay $\Lambda_b^0 \rightarrow \Lambda\mu^+\mu^-$
 T Aaltonen et al., Phys. Rev. Lett. **107** (2011) 201802
- 684 Improved determination of the sample composition of dimuon events produced in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
 T Aaltonen et al., Eur. Phys. J. **71** (2011) 1720
- 685 Measurements of branching fraction ratios and CP-asymmetries in suppressed $B^- \rightarrow D(\rightarrow K^+\pi^-)K^-$ and $B^- \rightarrow D(\rightarrow K^-\pi^+)\pi^-$ decays
 T Aaltonen et al., Phys. Rev. **D 84** (2011) 091504
- 686 Top-quark mass measurement using events with missing transverse energy and jets at CDF
 T Aaltonen et al., Phys. Rev. Lett. **107** (2011) 232002
- 687 Search for a heavy toplike quark in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
 T Aaltonen et al., Phys. Rev. Lett. **107** (2011) 261801
- 688 Measurement of polarization and search for CP violation in $B_s^0 \rightarrow \phi\phi$ decays
 T Aaltonen et al., Phys. Rev. Lett. **107** (2011) 261802
- 689 Measurement of the B_s^0 lifetime in fully and partially reconstructed $B_s^0 \rightarrow D_s^-(\phi\pi^-)X$ decays in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
 T Aaltonen et al., Phys. Rev. Lett. **107** (2011) 272001
- 690 Search for a Higgs boson in the diphoton final state in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
 T Aaltonen et al., Phys. Rev. Lett. **108** (2012) 011801
- 691 Search for new phenomena in events with two Z bosons and missing transverse momentum in ppbar at $\sqrt{s} = 1.96$ TeV
 T Aaltonen et al., Phys. Rev. D **85** (2012) 011104
- 692 Search for $WW + ZZ$ production with missing transverse energy and jets with b enhancement at $\sqrt{s} = 1.96$ TeV
 T Aaltonen et al., Phys. Rev. D **85** (2012) 012002
- 693 Search for heavy metastable particles decaying to jet pairs in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
 T Aaltonen et al., Phys. Rev. D **85** (2012) 012007
- 694 Search for standard model Higgs boson production in association with a W boson at CDF
 T Aaltonen et al., Phys. Rev. to appear
- 695 Search for high-mass resonances decaying into ZZ in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
 T Aaltonen et al., Phys. Rev. D **85** (2012) 012008
- 696 Measurement of CP -violating asymmetries in $D^0 \rightarrow \pi^+\pi^-$ and $D^0 \rightarrow K^+K^-$ decays at CDF
 T Aaltonen et al., Phys. Rev. D **85** (2012) 012009
- 697 Observation of exclusive $\gamma\gamma$ production in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
 T Aaltonen et al., Phys. Rev. Lett. **108** (2012) 081801
- 698 Measurement of the angular distributions in the decays $B \rightarrow K^{(*)}\mu^+\mu^-$ at CDF
 T Aaltonen et al., Phys. Rev. Lett. **108** (2012) 081807
- 699 Search for the rare radiative decay $W \rightarrow \pi\gamma$ in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
 T Aaltonen et al., Phys. Rev. D **85** (2012) 032001
- 700 Measurement of the branching ratio $B(\Lambda_b^0 \rightarrow \Lambda_c^+\pi^-\pi^+\pi^-)$ at CDF
 T Aaltonen et al., Phys. Rev. D **85** (2012) 032003
- 701 Search for Higgs bosons produced in association with b quarks.
 T Aaltonen et al., Phys. Rev. D **85** (2012) 032005
- 702 Measurement of ZZ production in leptonic final states at \sqrt{s} of 1.96 TeV at CDF
 T Aaltonen et al., Phys. Rev. Lett. **108** (2012) 101801
- 703 Search for standard model Higgs boson production in association with a W boson at CDF
 T Aaltonen et al., Phys. Rev. D **85** (2012) 052002

- 704 Search for standard model Higgs boson production in association with a W boson using a matrix element technique at CDF in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
 T Aaltonen et al., Phys. Rev. D **85** (2012) 072001
- 705 An additional study of multi-muon events produced in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
 T Aaltonen et al., Phys. Lett. B **710** (2012) 278-283
- 706 Measurements of the Angular Distributions of Muons from Υ decays in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
 T Aaltonen et al., Phys. Rev. Lett. **108** (2012) 151802
- 707 Precise measurement of the W -boson mass with the CDF II detector
 T Aaltonen et al., Phys. Rev. Lett. **108** (2012) 151803
- 708 Combination of CDF and D0 measurements of the W boson helicity in top quark decays
 T Aaltonen et al., Phys. Rev. D **85** (2012) 071106
- 709 Measurement of the CP-violating phase $\beta_s^{J/\psi\phi}$ in $B_s^0 \rightarrow J/\psi\phi$ decays with the CDF II detector
 T Aaltonen et al., Phys. Rev. D **85** (2012) 072002
- 710 Search for a low-mass standard model Higgs boson in the $\tau\tau$ decay channel in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
 T Aaltonen et al., Phys. Rev. Lett. **108** (2012) 181804
- 711 Search for anomalous production of multiple leptons in association with W and Z bosons at CDF
 T Aaltonen et al., Phys. Rev. D **85** (2012) 092001
- 712 Study of substructure of high transverse momentum jets produced in proton-antiproton collisions at $\sqrt{s} = 1.96$ TeV
 T Aaltonen et al., Phys. Rev. D **85** (2012) 091101
- 713 Measurement of $B_s^0 \rightarrow D_s^{(*)+} D_s^{(*)-}$ branching ratios.
 T Aaltonen et al., Phys. Rev. Lett. **108** (2012) 201801
- 714 Measurement of the masses and widths of the bottom baryons Σ_b^\pm and $\Sigma_b^{*\pm}$
 T Aaltonen et al., Phys. Rev. D **85** (2012) 092011
- 715 Search for a dark matter candidate produced in association with a single top quark in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
 T Aaltonen et al., Phys. Rev. Lett. **108** (2012) 201802
- 716 Evidence for the charmless annihilation decay mode $B_s^0 \rightarrow \pi^-\pi^-$
 T Aaltonen et al., Phys. Rev. Lett. **108** (2012) 211803
- 717 Search for dark matter in events with one jet and missing transverse energy in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
 T Aaltonen et al., Phys. Rev. Lett. **108** (2012) 211804
- 718 Search for a Heavy Particle decaying to a top quark and a light quark in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
 T Aaltonen et al., Phys. Rev. Lett. **108** (2012) 211805
- 719 measurement of the top quark mass in the all-hadronic mode at CDF
 T Aaltonen et al., Phys. Lett. **714** (2011) 24-31
- 720 Production of Λ^0 , $\bar{\Lambda}^0$, Ξ^\pm , and Ω^\pm hyperons in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
 T Aaltonen et al., Phys. Rev. D **86** (2012) 012002
- 721 Measurement of CP -violation asymmetries in $D^0 \rightarrow K_s^0 \pi^+ \pi^-$
 T Aaltonen et al., Phys. Rev. D **86** (2012) 032007
- 722 Evidence for a particle produced in association with weak bosons and decaying to a bottom-antibottom quark pair in Higgs boson searches at the Tevatron
 T Aaltonen et al., CDF and D0 Collaborations, Phys. Rev. Lett. **109** (2012) 071804
- 723 Diffractive dijet production in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
 T Aaltonen et al., Phys. Rev. D **86** (2012) 032009

- 724 Search for the Standard Model Higgs boson produced in association with a W^\pm boson with 7.5 fb^{-1} integrated luminosity at CDF
 T Aaltonen et al., Phys. Rev. D **86** (2012) 032011
- 725 Measurement of the WZ cross section and triple gauge couplings in $p\bar{p}$ collisions at $\sqrt{s} = 1.96 \text{ TeV}$
 T Aaltonen et al., Phys. Rev. D **86** (2012) 031104
- 726 Measurement of the difference in CP-violating asymmetries in $D^0 \rightarrow K^+K^-$ and $D^0 \rightarrow \pi^+\pi^-$ decays at CDF
 T Aaltonen et al., Phys. Rev. Lett. **109** (2012) 111801
- 727 Combined search for the Standard Model Higgs boson decaying to a $b\bar{b}$ pair using the full CDF data set
 T Aaltonen et al., Phys. Rev. Lett. **109** (2012) 111802
- 728 Search for the Standard Model Higgs boson decaying to a $b\bar{b}$ pair in events with two oppositely charged leptons Using the full CDF data set
 T Aaltonen et al., Phys. Rev. Lett. **109** (2012) 111803
- 729 Search for the Standard Model Higgs boson decaying to a $b\bar{b}$ pair in events with one charged lepton and large missing transverse energy using the full CDF data set
 T Aaltonen et al., Phys. Rev. Lett. **109** (2012) 111804
- 730 Search for the Standard Model Higgs boson decaying to a $b\bar{b}$ pair in events with no charged leptons and large missing transverse energy using the full CDF data set
 T Aaltonen et al., Phys. Rev. Lett. **109** (2012) 111805
- 731 Search for the standard model Higgs boson produced in association with a Z boson in 7.9 fb^{-1} of $p\bar{p}$ collisions collisions at $\sqrt{s} = 1.96 \text{ TeV}$ using the CDF II detector
 T Aaltonen et al., Phys. Lett. B **715** (2012) 98-104
- 732 Transverse momentum cross section of e^+e^- pairs in the Z -boson region from $p\bar{p}$ collisions collisions at $\sqrt{s} = 1.96 \text{ TeV}$
 T Aaltonen et al., Phys. Rev. D **86** (2012) 052010
- 733 Search for scalar top quark production in $p\bar{p}$ collisions at $\sqrt{s} = 1.96 \text{ TeV}$
 T Aaltonen et al., JHEP **10** (2012) 158
- 734 Precision top-quark mass measurement at CDF
 T Aaltonen et al., Phys. Rev. Lett. **109** (2012) 152003
- 735 Search for a Higgs boson in the diphoton final state using the full CDF data set from $p\bar{p}$ collisions at $\sqrt{s} = 1.96 \text{ TeV}$
 T Aaltonen et al., Phys. Lett. B **717** (2012) 173-181
- 736 Measurement of the bottom-strange meson mixing phase in the full CDF II data set
 T Aaltonen et al., Phys. Rev. Lett. **109** (2012) 171802
- 737 Novel inclusive search for the Higgs boson in the four-lepton final state at CDF
 T Aaltonen et al., Phys. Rev. D **86** (2012) 072012
 (Publisher's note) Phys. Rev. D **86** (2012) 099902
- 738 Combination of the top-quark mass measurements from the Tevatron collider
 T Aaltonen et al., CDF and D0 Collaborations, Phys. Rev. D **86** (2012) 092003
- 739 Search for the Standard Model Higgs boson produced in association with top quarks using the full CDF data set
 T Aaltonen et al., Phys. Rev. Lett. **109** (2012) 181802
- 740 Measurements of the top-quark mass and the $t\bar{t}$ cross section in the hadronic $\tau + \text{jets}$ decay channel at $\sqrt{s} = 1.96 \text{ TeV}$
 T Aaltonen et al., Phys. Rev. Lett. **109** (2012) 192001
- 741 Search for neutral Higgs bosons in events with multiple bottom quarks at the Tevatron
 T Aaltonen et al., CDF and D0 Collaborations, Phys. Rev. D **86** (2012) 091101

- 742 Search for heavy vector boson decaying into two gluons in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
T Aaltonen et al., Phys. Rev. D **86** (2012) 112002
- 743 Search for scalar top quark production in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
T Aaltonen et al., JHEP 10 (2012) 158
- 744 Measurement of the B_c^- meson lifetime in the decay $B_c^- \rightarrow J/\psi\pi^-$
T Aaltonen et al., Phys. Rev. D **87** (2013) 011101
- 745 Observation of the production of a W -boson in association with a single charm quark
T Aaltonen et al., Phys. Rev. Lett. **110** (2013) 071801
- 746 Measurement of W -boson polarization in top-quark decay using the full CDF Run II data set
T Aaltonen et al., Phys. Rev. D **87** (2013) 031104
- 747 Updated search for the standard model Higgs boson in events with jets and missing transverse energy using the full CDF data set
T Aaltonen et al., Phys. Rev. D **87** (2013) 052008
- 748 Search for the Higgs boson in the all-hadronic final state using the full CDF data set
T Aaltonen et al., JHEP 02 (2013) 004
- 749 Measurement of the mass difference between top and antitop quarks
T Aaltonen et al., Phys. Rev. D **87** (2013) 052013
- 750 Search for a two-Higgs-boson doublet using a simplified model in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
T Aaltonen et al., Phys. Rev. Lett. **110** (2013) 121801
- 751 Search for resonant top-antitop production in the lepton plus jets decay mode using the full CDF data set
T Aaltonen et al., Phys. Rev. Lett. **110** (2013) 121802
- 752 Search for $B_s^0 \rightarrow \mu^+\mu^-$ and $B^0 \rightarrow \mu^+\mu^-$ decays with the full CDF Run II data set
T Aaltonen et al., Phys. Rev. D **87** (2013) 072003
Erratum Phys. Rev. D **97** (2018) 099901
- 753 Measurement of the cross section for prompt isolated diphoton production using the full CDF Run II data sample
T Aaltonen et al., Phys. Rev. Lett. **110** (2013) 101801
- 754 Search for Supersymmetry with like-sign lepton-tau events at CDF
T Aaltonen et al., Phys. Rev. Lett. **110** (2013) 201802
- 755 Measurement of the top quark forward-backward production asymmetry and its dependence on event kinematic properties
T Aaltonen et al., Phys. Rev. D **87** (2013) 092002
- 756 Measurement of $R = B(t \rightarrow Wb)/(B(t \rightarrow Wq))$ in top-quark-pair decays using lepton+jets events and the full CDF run II dataset
T Aaltonen et al., Phys. Rev. D **87** (2013) 111101
- 757 W -boson polarization measurement in the image dilepton channel using the CDF II detector
T Aaltonen et al., Phys. Lett. B **722** (2013) 48-54
- 758 Top-quark mass measurement in events with jets and missing transverse energy using the full CDF data set
T Aaltonen et al., Phys. Rev. D **88** (2013) 011101
- 759 Search for pair production of strongly interacting particles decaying to pairs of jets in $p\bar{p}$ collisions collisions at $\sqrt{s} = 1.96$ TeVat $\sqrt{s} = 1.96$ TeV
T Aaltonen et al., Phys. Rev. D **88** (2013) 031802
- 760 Signature-based search for delayed photons in exclusive photon plus missing transverse energy events from $p\bar{p}$ collisions collisions with $\sqrt{s}=1.96$ TeV
T Aaltonen et al., Phys. Rev. D **88** (2013) 031103

- 761 Exclusion of exotic top-like quarks with -4/3 electric charge using jet-charge tagging in single-lepton $t\bar{t}$ events at CDF
T Aaltonen et al., Phys. Rev. D **88** (2013) 032003
- 762 Measurement of the cross section for Direct-photon production in association with a heavy quark in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
T Aaltonen et al., Phys. Rev. Lett. **111** (2013) 042003
- 763 Searches for the Higgs boson decaying to $W^+W^- \rightarrow \ell^+\nu\ell^-$ barnu with the CDF II detector
T Aaltonen et al., Phys. Rev. D **88** (2013) 052012
- 764 Combination of searches for the Higgs boson using the full CDF data set
T Aaltonen et al., Phys. Rev. D **88** (2013) 052013
- 765 Higgs boson studies at the Tevatron
T Aaltonen et al., CDF and D0 Collaborations, Phys. Rev. D **88** (2013) 052014
- 766 Combination of CDF and D0 W -boson mass measurements
T Aaltonen et al., CDF and D0 Collaborations, Phys. Rev. D **88** (2013) 052018
- 767 Evidence for a bottom baryon resonance Λ_b^{0*} in CDF data
T Aaltonen et al., Phys. Rev. D **88** (2013) 071101
- 768 Indirect measurement of $\sin^2 \theta_W(M_W)$ using e^+e^- pairs in the Z boson region with $p\bar{p}$ collisions at a center-of-momentum energy of 1.96 TeV²
T Aaltonen et al., Phys. Rev. D **88** (2013) 072002
Erratum: Phys. Rev. D **88** (2013) 079905
- 769 Measurement of the leptonic asymmetry in $t\bar{t}$ events produced in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
T Aaltonen et al., Phys. Rev. D **88** (2013) 072003
Erratum: Phys. Rev. D **94** (2016) 099901
- 770 Measurement of the differential cross section $d\sigma/d(\cos \theta_t)$ for top-quark pair production in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
T Aaltonen et al., Phys. Rev. Lett. **111** (2013) 182002
- 771 Measurement of the top-quark pair production cross section in events with two leptons and bottom-quark jets using the full CDF data set
T Aaltonen et al., Phys. Rev. D **88** (2013) 091103
- 772 Search for the production of ZW and ZZ boson pairs decaying into charged leptons and jets in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
T Aaltonen et al., Phys. Rev. D **88** (2013) 092002
- 773 Direct measurement of the total decay width of the top quark
T Aaltonen et al., Phys. Rev. Lett. **111** (2013) 202001
- 774 Observation of $D^0 - \bar{D}^0$ mixing using the CDF II detector
T Aaltonen et al., Phys. Rev. Lett. **111** (2013) 231802
- 775 Search for a dijet resonance in events with jets and missing transverse energy in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
T Aaltonen et al., Phys. Rev. D **88** (2013) 092004
- 776 Production of K_s^0 , $K^{*\pm}(892)$ and $\phi^0(1020)$ in minimum boas events and K_s^0 and Λ^0 in jets in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
T Aaltonen et al., Phys. Rev. D **88** (2013) 092005
- 777 Combination of measurements of the top-quark pair production cross section from the Tevatron Collider
T Aaltonen et al., CDF and D0 Collaborations, Phys. Rev. D **89** (2014) 072001
- 778 Precise measurement of the W-boson mass with the Collider Detector at Fermilab
T Aaltonen et al., Phys. Rev. D **89** (2014) 072003

- 779 Indirect measurement of $\sin^2 \theta_W(M_W)$ using $\mu^+ \mu^-$ pairs pairs from $\gamma*/Z$ bosons produced in $p\bar{p}$ collisions collisions at a center-of-momentum energy of 1.96 TeV
T Aaltonen et al., Phys. Rev. D **89** (2014) 072005
- 780 Mass and lifetime measurements of bottom and charm baryons in $p\bar{p}$ collisions collisions at $\sqrt{s} = 1.96$ TeV
T Aaltonen et al., Phys. Rev. D **89** (2014) 072014
- 781 Invariant-mass distribution of jet pairs produced in association with a W boson in $p\bar{p}$ collisions collisions at $\sqrt{s} = 1.96$ TeV using the full CDF Run II data set
T Aaltonen et al., Phys. Rev. D **89** (2014) 092001
- 782 Study of top quark production and decays involving a tau lepton at CDF and limits on a charged Higgs boson contribution
T Aaltonen et al., Phys. Rev. D **89** (2014) 091101
- 783 Measurement of the ZZ production cross section using the full CDF II data set
T Aaltonen et al., Phys. Rev. D **89** (2014) 112001
- 784 First search for exotic Z boson decays into photons and neutral pions in hadron colliwionw
T Aaltonen et al., Phys. Rev. Lett. **112** (2014) 111803
- 785 measurement of $R = |(t \rightarrow Wb)/\mathcal{B}(t \rightarrow Wq)|$ in top-quark-pair decays using dilepton events and the full CDF Run II data set
T Aaltonen et al., Phys. Rev. Lett. **112** (2014) 221801
- 786 Observation of s -channel production of single top quarks at the Tevatron
T Aaltonen et al., CDF and D0 Collaborations, Phys. Rev. Lett. **112** (2014) 231803
- 787 Evidence for s -channel single-top-quark production in events with one charged lepton and two jets at CDF
T Aaltonen et al., Phys. Rev. Lett. **112** (2014) 231804
- 788 Search for s -channel single-top-quark production in events with missing energy plus jets in pp collisions at $\sqrt{s} = 1.96$ TeV
T Aaltonen et al., Phys. Rev. Lett. **112** (2014) 231805
- 789 Measurement of the inclusive leptonic asymmetry in top-quark pairs that decay to two charged leptons at CDF
T Aaltonen et al., Phys. Rev. Lett. **113** (2014) 042001
Erratum: Phys. Rev. Lett. 117 (2016) 199901
- 790 Search for new physics in trilepton events and limits on the associated chargino-neutralino production at CDF
T Aaltonen et al., Phys. Rev. D **90** (2014) 012011
- 791 Study of orbitally excited B mesons and evidence for a new B resonance
T Aaltonen et al., Phys. Rev. D **90** (2014) 012013
- 792 Measurement of the top-quark mass in the all-hadronic channel uing the full CDF data set
T Aaltonen et al., Phys. Rev. D **90** (2014) 091101
- 793 Measurement of Direct CP-Violating asymmetries in charmless decays of bottom baryons
T Aaltonen et al., Phys. Rev. Lett. **113** (2014) 242001
- 794 Measurement of the single top quark production cross section and $|V_{tb}|$ in events with one charged lepton, large missing transverse energy, and jets at CDF
T Aaltonen et al., Phys. Rev. Lett. **113** (2014) 261804
- 795 Measurement of indirect CP-violating asymmetries in $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow \pi^+ \pi^-$ decays at CDF
T Aaltonen et al., Phys. Rev. D **90** (2014) 111103
- 796 Studies of high-transverse momentum jet substructure and top quarks produced in 1.96 TeV proton-antiproton collisions
T Aaltonen et al., Phys. Rev. D **91** (2015) 032006

- 797 Measurement of differential production cross section for Z/γ^* in association with jets in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
T Aaltonen et al., Phys. Rev. D **91** (2015) 012002
- 798 Search for production of an $\Upsilon(1S)$ meson in association with a W or Z boson using the full 1.96 TeV $p\bar{p}$ collision data set at CDF
T Aaltonen et al., Phys. Rev. D **91** (2015) 052011
- 799 Constraints on models of the Higgs boson with exotic spin and parity using decays to Bottom-Antibottom Quarks in the Full CDF Data Set
T Aaltonen et al., Phys. Rev. Lett. **114** (2015) 141802
- 800 Tevatron Constraints on Models of the Higgs boson with Exotic Spin and Parity Using decays to Bottom-Antibottom Quark pairs
T Aaltonen et al., CDF abd D0 Collaborations, Phys. Rev. Lett. **114** (2015) 151802
- 801 Measurement of central exclusive $\pi^+\pi^-$ production in $p\bar{p}$ collisions at $\sqrt{s} = 0.9$ and 1.96 TeV at CDF
T Aaltonen et al., Phys. Rev. D **91** (2015) 091101
- 802 Tevatron combination of single-top-quark cross sections and determination of the Magnitude of the Cabibbo-Kobayashi-Maskawa matrix element V_{tb}
T Aaltonen et al., CDF abd D0 Collaborations, Phys. Rev. Lett. **115** (2015) 152003
- 803 Search for Resonances decaying to top and bottom quarks with the CDF experiment
T Aaltonen et al., Phys. Rev. Lett. **115** (2015) 061801
- 804 Measurement of the top-quark mass in the $t\bar{t}$ dilepton channel using the full CDF Run II data set
T Aaltonen et al., Phys. Rev. D **92** (2015) 032003
- 805 First measurement of the forward-backward asymmetry in bottom-quark pair production at high mass
T Aaltonen et al., Phys. Rev. D **92** (2015) 032006
- 806 Measurement of the production and differential cross sections of W^+W^- bosons in association with Jets in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
T Aaltonen et al., Phys. Rev. D **91** (2015) 111101, Phys. Rev. D **92** (2015) 039901
- 807 Study of the energy dependence of the underlying event in proton-antiproton collisions
T Aaltonen et al., Phys. Rev. D **92** (2015) 092009
- 808 Updated measurement of the single top quark production cross section and $|V_{tb}|$ in 1.96 TeV $p\bar{p}$ collisions with missing transverse energy and jets and final CDF combination
T Aaltonen et al., Phys. Rev. D **93** (2016) 032011
- 809 Measurement of the B_c^\pm production cross section in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
T Aaltonen et al., Phys. Rev. D **93** (2016) 052001
- 810 Measurement of the forward-backward asymmetry in low-mass bottom-quark pairs produced in proton-antiproton collisions
T Aaltonen et al., Phys. Rev. D **93** (2016) 112003
- 811 Measurement of vector boson plus $D^*(2010)^+$ meson production in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
T Aaltonen et al., Phys. Rev. D **93** (2016) 052012
- 812 Measurement of the forward-backward asymmetry of top-quark and antiquark pairs using the full CDF Run II data set
T Aaltonen et al., Phys. Rev. D **93** (2016) 112005
- 813 Measurement of $\sin^2 \theta_{eff}^{lept}$ using e^+e^- pairs from γ^*/Z bosons produced in $p\bar{p}$ collisions at a center-of-momentum energy of 1.96 TeV
T Aaltonen et al., Phys. Rev. D **93** (2016) 112016
Addendum, Phys. Rev. D **95** (2017) 119901
- 814 Search for a low-mass neutral Higgs boson with suppressed couplings to fermions using events with multiphoton final states
T Aaltonen et al., Phys. Rev. D **93** (2016) 112010

- 815 Measurement of the WW and WZ production cross section using final states with a charged lepton and heavy-flavor jets in the full CDF Run II data set
T Aaltonen et al., Phys. Rev. **D** **94** (2016) 032008
- 816 Observation of the $Y(4140)$ structure in the $J/\psi\phi$ mass spectrum in $B^\pm \rightarrow J\psi\phi K^\pm$ decays
T Aaltonen et al., Mod. Phys. Lett. **A** **32** (2017) 1750139
- 817 Measurement of the D^+ meson production cross section at low transverse momentum in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
T Aaltonen et al., Phys. Rev. **D** **95** (2017) 092006
- 818 Measurement of the inclusive-isolated prompt-photon cross section in $p\bar{p}$ collisions using the full CDF data set
T Aaltonen et al., Phys. Rev. **D** **96** (2017) 092003
- 819 Measurement of the inclusive-isolated prompt-photon cross section in $p\bar{p}$ collisions using the full CDF data set
T Aaltonen et al., Phys. Rev. **D** **96** (2017) 092003
- 820 Combined Forward-Backward Asymmetry Measurements of Top-Antitop Quark Production at the Tevatron
CDF and D0 Collaborations, T. Aaltonen et al., Phys. Rev. Lett. **120** (2018) 042001
- 821 A search for the exotic meson $X(5568)$ with the Collider Detector at Fermilab
T Aaltonen et al., Phys. Rev. Lett. **120** (2018) 202006
- 822 Tevatron Run II combination of the effective leptonic electroweak mixing angle
CDF and D0 Collaborations, T. Aaltonen et al., Phys. Rev. Lett. **120** (2018) 161802
- 823 Search for standard-model Z and Higgs bosons decaying into a bottom-antibottom quark pair in proton-antiproton collisions at 1.96 TeV
T Aaltonen et al., Phys. Rev. **D** **98** (2018) 072002
- 824 Measurement of the differential cross sections for W -boson production in association with jets in $p(\bar{p})$ collisions at $\sqrt{s} = 1.96$ TeV
T Aaltonen et al., Phys. Rev. **D** **98** (2018) 112005
- 825 Search for Higgs-like particles produced in association with bottom quarks in proton-antiproton collisions
T. Aaltonen et al., Phys. Rev. **D** **99** (2019) 052001
- 826 Measurement of the charge asymmetry of electrons from the decays of W bosons produced in $p(\bar{p})$ collisions at $\sqrt{s} = 1.96$ TeV
T. Aaltonen et al., Phys. Rev. **D** **104** (2021) 092002
- 827 High-precision measurement of the W boson mass with the CDF II detector
T. Altonen et al., Science **376** (2022) 6589, 170

ATLAS

- 828 Charged-particle multiplicities in pp interactions at $\sqrt{s} = 900$ GeV measured with the ATLAS detector at the LHC
G Aad et al., Phys. Lett. **B** **688** (2010) 21-42
- 829 Readiness of the ATLAS liquid argon calorimeter for LHC collisions
G Aad et al., Eur. Phys. J. **C** **70** (2010) 723-753
- 830 Drift time measurement in the ATLAS liquid argon calorimeter for LHC collisions
G Aad et al., Eur. Phys. J. **C** **70** (2010) 755-785
- 831 The ATLAS inner detector commissioning and calibration
G Aad et al., Eur. Phys. J. **C** **70** (2010) 787-821
- 832 The ATLAS simulation infrastructure
G Aad et al., Eur. Phys. J. **C** **70** (2010) 823-874

- 833 Performance of the ATLAS detector using first collision data
 G Aad et al., JHEP 9 (2010) 1-66
- 834 Commissioning of the ATLAS muon spectrometer using cosmic rays
 G Aad et al., Eur. Phys. J. C 70 (2010) 875-916
- 835 Readiness of the ATLAS tile calorimeter for LHC collisions
 G Aad et al., Eur. Phys. J. C 70 (2010) 1193-1236
- 836 Search for new particles in two-jet final states in 7 TeV proton-proton collisions with the ATLAS detector at the LHC
 G Aad et al., Phys. Rev. Lett. **105** (2010) 161801
- 837 Observation of a centrality-dependent dijet asymmetry in lead-lead collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector at the LHC
 G Aad et al., Phys. Rev. Lett. **105** (2010) 252303
- 838 Measurement of the $W \rightarrow l\nu$ and $Z/\gamma^* \rightarrow ll$ production cross sections in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector
 G Aad et al., JHEP 12 (2010) 060
- 839 Search for quark contact interactions in dijet angular distributions in pp collisions at $\sqrt{s} = 7$ TeV measured with the ATLAS detector
 G Aad et al., Phys. Lett. B 694 (2011) 327-345
- 840 Measurement of the centrality dependence of J/ψ yields and observation of Z production in lead-lead collisions with the ATLAS detector at the LHC
 G Aad et al., Phys. Lett. B 697 (2011) 294-312
- 841 Study of jet shapes in inclusive jet production in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector
 G Aad et al., Phys. Rev. D **83** (2011) 052003
- 842 Measurement of the inclusive isolated prompt photon cross section in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector
 G Aad et al., Phys. Rev. D **83** (2011) 052005
- 843 Measurement of inclusive jet and dijet cross sections in proton-proton collisions at 7 TeV centre-of-mass energy with the ATLAS detector
 G Aad et al., Eur. Phys. J. C 71 (2011) 1512
- 844 Studies of the performance of the ATLAS detector using cosmic-rayal., Eur. Phys. J. C 71 (2011) 1512
- 845 Studies of the performance of the ATLAS detector using cosmic-ray muons
 G Aad et al., Eur. Phys. J. C 71 (2011) 1593
- 846 Search for diphoton events with large missing transverse energy in 7 TeV proton-proton collisions with the ATLAS detector
 G Aad et al., Phys. Rev. Lett. **106** (2011) 121803
- 847 Search for supersymmetry using final states with one lepton, jets, and missing transverse momentum with the ATLAS detector in 7 TeV pp collisions .
 G Aad et al., Phys. Rev. Lett. **106** (2011) 131802
- 848 Measurement of the production cross section for W -bosons in association with jets in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector
 G Aad et al., Phys. Lett. B 698 (2011) 325-345
- 849 Search for massive long-lived highly ionising particles with the ATLAS detector at the LHC
 G Aad et al., Phys. Lett. B 698 (2011) 353-370
- 850 Measurement of the top quark mass in the lepton+jets channel using the lepton transverse momentum
 G Aad et al., Phys. Lett. B 698 (2011) 371-379
- 851 Measurement of underlying event characteristics using charged particles in pp collisions at $\sqrt{s} = 900$ GeV and 7 TeV with the ATLAS detector
 G Aad et al., Phys. Rev. D **83** (2011) 112001

- 852 Measurement of the top quark-pair production cross section with ATLAS in pp collisions at $\sqrt{s} = 7$ TeV
 G Aad et al., Eur. Phys. J. C 71 (2011) 1577
- 853 Charged-particle multiplicities in pp interactions measured with the ATLAS detector at the LHC in pp collisions at $\sqrt{s} = 7$ TeV measured with the ATLAS detector
 G Aad et al., New J. Phys. J. 13 (2011) 053033
- 854 A search for new physics in dijet mass and angular distributions in pp collisions at $\sqrt{s} = 7$ TeV measured with the ATLAS detector
 G Aad et al., New J. Phys. J. 13 (2011) 053044
- 855 Measurement of dijet azimuthal decorrelations in pp collisions at $\sqrt{s} = 7$ TeV
 G Aad et al., Phys. Rev. Lett. **106** (2011) 172002
- 856 Search for high mass dilepton resonances in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector
 G Aad et al., Phys. Lett. B 700 (2011) 163-180
- 857 Luminosity determination in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector at the LHC
 G Aad et al., Eur. Phys. J. C 71 (2011) 1630
- 858 Measurements of underlying-event properties using neutral and charged particles in pp collisions at $\sqrt{s} = 900$ GeV and $\sqrt{s} = 7$ TeV with the ATLAS detector at the LHC
 G Aad et al., Eur. Phys. J. C 71 (2011) 1642
- 859 Search for pair production of first or second generation leptoquarks in proton-proton collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector at the LHC
 G Aad et al., Phys. Rev. D **83** (2011) 112006
- 860 Search for a heavy particle decaying into an electron and a muon with the ATLAS detector in $\sqrt{s} = 7$ TeV collisions at the LHC
 G Aad et al., Phys. Rev. Lett. **106** (2011) 251801
- 861 Search for stable hadronising squarks and gluinos with the ATLAS experiment at the LHC
 G Aad et al., Phys. Lett. B 701 (2011) 1-19
- 862 Measurement of the W charge asymmetry in the $W \rightarrow \mu\nu$ decay mode in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector
 G Aad et al., Phys. Lett. B 701 (2011) 31-49
- 863 Search for high-mass states with one lepton plus missing transverse momentum in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector
 G Aad et al., Phys. Lett. B 701 (2011) 50-69
- 864 Search for squarks and gluinos using final states with jets and missing transverse momentum with the ATLAS detector at $\sqrt{s} = 7$ TeV proton-proton collisions
 G Aad et al., Phys. Lett. B 701 (2011) 186-203
- 865 Search for supersymmetry in proton-proton collisions at $\sqrt{s} = 7$ TeV in final states with missing transverse momentum and b -jets
 G Aad et al., Phys. Lett. B 701 (2011) 398-416
- 866 Measurement of the differential cross-sections of inclusive, prompt and non-prompt J/ψ production in pp collisions at $\sqrt{s} = 7$ TeV
 G Aad et al., Nucl. Phys. B 850 (2011) 387-444
- 867 Search for contact interactions in dimuon events from pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector
 G Aad et al., Phys. Rev. D **84** (2011) 011101
- 868 Search for an excess of events with an identical flavour lepton pair and significant missing transverse momentum in $\sqrt{s} = 7$ TeV proton-proton collisions with the ATLAS detector
 G Aad et al., Eur. Phys. J. C 71 (2011) 1647
- 869 Search for supersymmetric particles in events with lepton pairs and large missing transverse momentum in $\sqrt{s} = 7$ TeV pp collisions with the ATLAS experiment
 G Aad et al., Eur. Phys. J. C 71 (2011) 1682

- 870 Measurement of the W^+W^- cross section in $\sqrt{s} = 7$ TeV pp collisions with ATLAS
 G Aad et al., Phys. Rev. Lett. **107** (2011) 041802
- 871 Search for heavy long-lived charged particles with the ATLAS detector in pp collisions at $\sqrt{s} = 7$ TeV
 G Aad et al., Phys. Lett. B **703** (2011) 428-446
- 872 Measurement of the inelastic proton-proton cross-section at $\sqrt{s} = 7$ TeV with the ATLAS detector
 G Aad et al., Nature Comm. **2** (2011) 463
- 873 Measurement of dijet production with a veto on additional central jet activity in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector
 G Aad et al., JHEP **09** (2011) 53
- 874 Measurement of $W\gamma$ and $Z\gamma$ production in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector
 G Aad et al., JHEP **09** (2011) 72
- 875 Properties of jets measured from tracks in pp collisions at centre-of-mass energy $\sqrt{s} = 7$ TeV with the ATLAS detector
 G Aad et al., Phys. Rev. **D 84** (2011) 054001
- 876 Measurement of the $\Upsilon(1S)$ production cross-section in pp collisions at $\sqrt{s} = 7$ TeV in ATLAS
 G Aad et al., Phys. Lett. B **705** (2011) 9-27
- 877 Search for a heavy gauge boson decaying to a charged lepton and a neutrino in 1 fb^{-1} of pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector
 G Aad et al., Phys. Lett. B **705** (2011) 28-46
- 878 Search for neutral MSSM Higgs bosons decaying to $\tau^+\tau^-$ pairs in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector
 G Aad et al., Phys. Lett. B **705** (2011) 174-192
- 879 Search for new phenomena with the monojet and missing transverse momentum signature using the ATLAS detector in $\sqrt{s} = 7$ TeV pp collisions
 G Aad et al., Phys. Lett. B **705** (2011) 294-312
- 880 Measurement of the transverse momentum distribution of $Z\gamma^*$ bosons in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector
 G Aad et al., Phys. Lett. B **705** (2011) 415-434
- 881 Search for the Standard Model Higgs boson in the decay channel $H \rightarrow ZZ^{(*)} \rightarrow 4\ell$ with the ATLAS detector
 G Aad et al., Phys. Lett. B **705** (2011) 435-451
- 882 Search for the Standard Model Higgs boson in the two photon decay channel with the ATLAS detector at the LHC
 G Aad et al., Phys. Lett. B **705** (2011) 452-470
- 883 Search for a Standard Model Higgs Boson in the $H \rightarrow ZZ \rightarrow \ell^+\ell^-\nu\bar{\nu}$ decay channel with the ATLAS detector
 G Aad et al., Phys. Rev. Lett. **107** (2011) 221802
- 884 Search for the Higgs Boson in the $H \rightarrow WW \rightarrow \ell\nu jj$ decay channel in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector
 G Aad et al., Phys. Rev. Lett. **107** (2011) 231801
- 885 Measurement of the inclusive isolated prompt photon cross section in pp collisions at $\sqrt{s} = 7$ TeV using 35 pb^{-1} of ATLAS data
 G Aad et al., Phys. Lett. B **706** (2011) 150-167
- 886 Measurement of the $Z \rightarrow \tau\tau$ cross section with the ATLAS detector
 G Aad et al., Phys. Rev. **D 84** (2011) 112006
- 887 Limits on the production of the standard model Higgs boson in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector
 G Aad et al., Eur. Phys. J. C **71** (2011) 1728

- 888 Search for diphoton events with large missing transverse energy with 36 pb^{-1} 7 TeV of proton-proton collision data with the ATLAS detector
 G Aad et al., Eur. Phys. J. C 71 (2011) 1744
- 889 Measurement of multi-jet cross sections in proton-proton collisions at a 7 TeV center-of-mass energy
 G Aad et al., Eur. Phys. J. C 71 (2011) 1763
- 890 Measurement of the jet fragmentation function and transverse profile in proton-proton collisions at a center-of-mass energy of 7 TeV with the ATLAS detector
 G Aad et al., Eur. Phys. J. C 71 (2011) 1795
- 891 Inclusive search for same-sign dilepton signatures in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector
 G Aad et al., JHEP 10 (2011) 107
- 892 Search for a heavy neutral particle decaying into an electron and a muon using 1 fb^{-1} of ATLAS data
 G Aad et al., Eur. Phys. J. C 71 (2011) 1809
- 893 Search for new phenomena in final states with large jet multiplicities and missing transverse momentum using $\sqrt{s} = 7 \text{ TeV}$ pp collisions with the ATLAS detector
 G Aad et al., JHEP 11 (2011) 99
- 894 Search for massive colored scalars in four-jet final states in $\sqrt{s} = 7 \text{ TeV}$ proton-proton collisions with the ATLAS detector
 G Aad et al., Eur. Phys. J. C 71 (2011) 1828
- 895 Measurement of the inclusive and dijet cross sections of b -jets in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector
 G Aad et al., Eur. Phys. J. C 71 (2011) 1846
- 896 Search for dilepton resonances in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector
 G Aad et al., Phys. Rev. Lett. **107** (2011) 272002
- 897 Measurement of the $W \rightarrow \tau\nu_\tau$ cross section in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS experiment
 G Aad et al., Phys. Lett. B 706 (2012) 276-294
- 898 Measurement of the cross section for b -jets produced in association with a Z boson at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector
 G Aad et al., Phys. Lett. B 706 (2012) 295-313
- 899 Search for a heavy Standard Model Higgs boson in the channel $H \rightarrow ZZ \rightarrow \ell^+\ell^-q\bar{q}$ using the ATLAS detector
 G Aad et al., Phys. Lett. B 707 (2012) 27-45
- 900 K_s^0 and Λ production in pp interactions at $\sqrt{s} = 0.9$ and 7 TeV measured with the ATLAS detector at the LHC
 G Aad et al., Phys. Rev. D **85** (2012) 012001
- 901 Measurement of the pseudorapidity and transverse momentum dependence of the elliptic flow of charged particles in lead-lead collisions at $\sqrt{S_{NN}} = 2.76 \text{ TeV}$ with the ATLAS detector
 G Aad et al., Phys. Lett. B 707 (2012) 330-348
- 902 Measurement of the cross section for the production of a W boson in association with b -jets in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector
 G Aad et al., Phys. Lett. B 707 (2012) 418-437
- 903 Measurements of the electron and muon inclusive cross-sections in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector
 G Aad et al., Phys. Lett. B 707 (2012) 438-458
- 904 Measurement of the top quark pair production cross section in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ in dilepton final states with ATLAS
 G Aad et al., Phys. Lett. B 707 (2012) 459-477
- 905 Search for displaced vertices arising from decays of new heavy particles in 7 TeV pp collisions at ATLAS
 G Aad et al., Phys. Lett. B 707 (2012) 478-496

- 906 Performance of missing transverse momentum reconstruction in pp collisions at $\sqrt{s} = 7$ TeV with ATLAS
 G Aad et al., Eur. Phys. J. C 72 (2012) 1844
- 907 Performance of the ATLAS trigger system in 2010
 G Aad et al., Eur. Phys. J. C 72 (2012) 1849
- 908 Measurement of the isolated diphoton cross section in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector
 G Aad et al., Phys. Rev. D 85 (2012) 012003
- 909 Measurement of the transverse momentum distribution of W bosons in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector
 G Aad et al., Phys. Rev. D 85 (2012) 012005
- 910 Search for supersymmetry in final states with jets, missing transverse momentum and one isolated lepton in $\sqrt{s} = 7$ TeV in pp collisions using 1 fb^{-1} of ATLAS data
 G Aad et al., Phys. Rev. D 85 (2012) 012006
- 911 Measurement of the inclusive W^\pm and $Z\gamma^*$ cross sections in the e and μ decay channels in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector
 G Aad et al., Phys. Rev. D to appear
- 912 Measurement of the ZZ production cross section and limits on anomalous neutral triple gauge couplings in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector
 G Aad et al., Phys. Rev. Lett. 108 (2012) 041804
- 913 Search for new phenomena in $t\bar{t}$ events with large missing transverse momentum in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector
 G Aad et al., Phys. Rev. Lett. 108 (2012) 041805
- 914 Search for the Higgs boson in the $H \rightarrow WW^{(*)} \rightarrow \ell^+\nu\ell^-\bar{\nu}$ decay channel in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector
 G Aad et al., Phys. Rev. Lett. 108 (2012) 111802
- 915 Search for the standard model Higgs boson in the diphoton decay channel with 4.9 fb^{-1} of pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector
 G Aad et al., Phys. Rev. Lett. 108 (2012) 111803
- 916 A study of the material in the ATLAS inner detector using secondary hadronic interactions
 G Aad et al., JINST 7 (2012) P01013
- 917 Search for new physics in the dijet mass distribution using 1 fb^{-1} of pp collision data at $\sqrt{s} = 7$ TeV collected by the ATLAS detector
 G Aad et al., Phys. Lett. B 708 (2012) 37-54
- 918 Search for anomalous production of prompt like-sign muon pairs and constraints on physics beyond the standard model with the ATLAS detector
 G Aad et al., Phys. Rev. D 85 (2012) 032004
- 919 A measurement of the ratio of the W and Z cross sections with exactly one associated jet in pp collisions at $\sqrt{s} = 7$ TeV with ATLAS
 G Aad et al., Phys. Lett. B 708 (2012) 221-240
- 920 Measurement of the production cross section for Z/γ^* in association with jets in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector
 G Aad et al., Phys. Rev. D 85 (2012) 032009
- 921 Searches for supersymmetry with the ATLAS detector using final states with two leptons and missing transverse momentum in $\sqrt{s} = 7$ TeV pp collisions collisions
 G Aad et al., Phys. Lett. B 709 (2012) 137-157
- 922 Search for first generation scalar leptoquarks in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector
 G Aad et al., Phys. Lett. B 709 (2012) 158-176
 Erratum, Phys. Lett. B 711 (2012) 442-455

- 923 Search for strong gravity signatures in same-sign dimuon final states using the ATLAS detector at the LHC
 G Aad et al., Phys. Lett. B 709 (2012) 322-340
- 924 Measurement of the $W^\pm Z$ production cross section and limits on anomalous triple gauge couplings in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector
 G Aad et al., Phys. Lett. B 709 (2012) 341-357
- 925 Combined search for the standard model Higgs boson using up to 4.9 fb^{-1} of pp collision data at $\sqrt{s} = 7$ TeV with the ATLAS detector at the LHC
 G Aad et al., Phys. Lett. B 710 (2012) 49-66
- 926 Search for squarks and gluinos using final states with jets and missing transverse momentum with the ATLAS detector in $\sqrt{s} = 7$ TeV pp collisions collisions of pp collision data at $\sqrt{s} = 7$ TeV with the ATLAS detector at the LHC
 G Aad et al., Phys. Lett. B 710 (2012) 67-85
- 927 Measurement of $D^{*\pm}$ meson production in jets from pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector
 G Aad et al., Phys. Rev. D 85 (2012) 052005
- 928 Electron performance measurements with the ATLAS detector using the 2010 LHC proton-proton collision data
 G Aad et al., Eur. Phys. J. C 72 (2012) 1909
- 929 Measurement of the centrality dependence of the charged particle pseudorapidity distribution in lead-lead collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector
 G Aad et al., Phys. Lett. B 710 (2012) 363-382
- 930 Search for the Standard Model Higgs boson in the decay channel $H \rightarrow ZZ^{(*)} \rightarrow 4\ell$ with 4.8 fb^{-1} of pp collision data at $\sqrt{s} = 7$ TeV with ATLAS
 G Aad et al., Phys. Lett. B 710 (2012) 383-402
- 931 Rapidity Gap Cross Sections measured with the ATLAS detector in pp collisions at $\sqrt{s} = 7$ TeV
 G Aad et al., Eur. Phys. J. C 72 (2012) 1926
- 932 Search for diphoton events with large missing transverse momentum in 1 fb^{-1} of 7 TeV proton-proton collision data with the ATLAS detector
 G Aad et al., Phys. Lett. B 710 (2012) 519-537
- 933 Search for extra dimensions using diphoton events in 7 TeV proton-proton collisions with the ATLAS detector
 G Aad et al., Phys. Lett. B 710 (2012) 538-566
- 934 Observation of a new χ_b state in radiative transitions to $\chi(1S)$ and $\chi(2S)$ at ATLAS
 G Aad et al., Phys. Rev. Lett. 108 (2012) 152001
- 935 Search for excited leptons in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector
 G Aad et al., Phys. Rev. D 85 (2012) 072003
- 936 Search for same-sign top-quark production and fourth-generation down-type quarks in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector
 G Aad et al., JHEP 4 (2012) 69
- 937 Search for decays of stopped, long-lived particles from 7 TeV pp collisions with the ATLAS detector
 G Aad et al., Eur. Phys. J. C 72 (2012) 1965
- 938 Search for anomaly-mediated supersymmetry breaking with the ATLAS detector based on a disappearing-track signature in pp collisions at $\sqrt{s} = 7$ TeV
 G Aad et al., Eur. Phys. J. C 72 (2012) 1993
- 939 Measurement of the top quark pair production cross-section with ATLAS in the single lepton channel
 G Aad et al., Phys. Lett. B 711 (2012) 244-263
- 940 Measurement of the inclusive W^\pm and Z/γ^* cross sections in the e and μ decay channels in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector
 G Aad et al., Phys. Rev. D 85 (2012) 072004

- 941 Study of jets produced in association with a W boson in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector
 G Aad et al., Phys. Rev. D **85** (2012) 092002
- 942 Search for scalar bottom quark pair production with the ATLAS detector in pp collisions at $\sqrt{s} = 7$ TeV
 G Aad et al., Phys. Rev. Lett. **108** (2012) 181802
- 943 Search for heavy vector-like quarks coupling to light quarks in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector
 G Aad et al., Phys. Lett. B **712** (2012) 22-39
- 944 Search for contact interactions in dilepton events from pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector
 G Aad et al., Phys. Lett. B **712** (2012) 40-58
- 945 Search for the production of resonant states in the photon-jet mass distribution using pp collisions at $\sqrt{s} = 7$ TeV collected by the ATLAS detector
 G Aad et al., Phys. Rev. Lett. **108** (2012) 211802
- 946 Measurement of the production cross section of an isolated photon associated with jets in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector
 G Aad et al., Phys. Rev. D **85** (2012) 092014
- 947 Observation of spin correlation in $t\bar{t}$ events from pp collisions at $\sqrt{s} = 7$ TeV Using the ATLAS detector
 G Aad et al., Phys. Rev. Lett. **108** (2012) 212001
- 948 Measurement of the cross section for top-quark pair production in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector using final states with two high-pT leptons
 G Aad et al., JHEP **5** (2012) 59
- 949 Jet mass and substructure of inclusive jets in $\sqrt{s} = 7$ TeV pp collisions with the ATLAS experiment
 G Aad et al., JHEP **5** (2012) 128
- 950 Measurement of inclusive two-particle angular correlations in pp collisions with the ATLAS detector at the LHC
 G Aad et al., JHEP **5** (2012) 157
- 951 Measurement of the polarisation of W bosons produced with large transverse momentum in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS experiment
 G Aad et al., Eur. Phys. J. C **72** (2012) 2001
- 952 Measurement of the WW cross section in $\sqrt{s} = 7$ TeV pp collisions with the ATLAS detector and limits on anomalous gauge couplings
 G Aad et al., Phys. Lett. B **712** (2012) 289-308
- 953 Search for new particles decaying to ZZ using final states with leptons and jets with the ATLAS detector in $\sqrt{s} = 7$ TeV proton-proton collisions
 G Aad et al., Phys. Lett. B **712** (2012) 331-350
- 954 Search for FCNC single top-quark production at $\sqrt{s} = 7$ TeV with the ATLAS detector
 G Aad et al., Phys. Lett. B **712** (2012) 351-369
- 955 Search for supersymmetry in pp collisions at $\sqrt{s} = 7$ TeV in final states with missing transverse momentum and b -jets with the ATLAS detector
 G Aad et al., Phys. Rev. D **85** (2012) 112006
- 956 Search for gluinos in events with two same-sign leptons, jets, and missing transverse momentum with the ATLAS detector in pp collisions at $\sqrt{s} = 7$ TeV
 G Aad et al., Phys. Rev. Lett. **108** (2012) 241802
- 957 Search for a light Higgs boson decaying to long-lived weakly interacting particles in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector
 G Aad et al., Phys. Rev. Lett. **108** (2012) 251801

- 958 Search for supersymmetry in events with three leptons and missing transverse momentum in $\sqrt{s} = 7$ pp collisions with the ATLAS detector
 G Aad et al., Phys. Rev. Lett. **108** (2012) 261802
- 959 Search for pair production of a heavy up-type quark decaying to a W boson and a b quark in the lepton+jets channel with the ATLAS detector
 G Aad et al., Phys. Rev. Lett. **108** (2012) 261802
- 960 Determination of the strange-quark density of the proton from ATLAS measurements of the $W \rightarrow \ell\nu$ and $Z \rightarrow \ell\ell$ cross sections
 G Aad et al., Phys. Rev. Lett. **109** (2012) 012001
- 961 Search for resonant WZ production in the $WZ \rightarrow \ell\nu\ell'\ell'$ channel in $\sqrt{s} = 7$ TeV pp collisions with the ATLAS detector
 G Aad et al., Phys. Rev. D **85** (2012) 112012
- 962 Measurement of the W boson polarization in top quark decays with the ATLAS detector
 G Aad et al., JHEP **6** (2012) 88
- 963 Forward-backward correlations and charged-particle azimuthal distributions in pp interactions using ATd
 G Aad et al., JHEP **7** (2012) 19
- 964 Measurement of the charge asymmetry in top quark pair production in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector
 G Aad et al., Eur. Phys. J. C **72** (2012) 2039
- 965 Search for lepton flavour violation in the $e\mu$ continuum with the ATLAS detector in $\sqrt{s} = 7$ TeV pp collisions at the LHC
 G Aad et al., Eur. Phys. J. C **72** (2012) 2040
- 966 Measurement of $t\bar{t}$ production with a veto on additional central jet activity in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector
 G Aad et al., Eur. Phys. J. C **72** (2012) 2043
- 967 Measurement of the top quark mass with the template method in the $t\bar{t} \rightarrow$ lepton+jets channel using ATLAS data
 G Aad et al., Eur. Phys. J. C **72** (2012) 2046
- 968 Search for heavy neutrinos and right-handed W bosons in events with two leptons and jets in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector
 G Aad et al., Eur. Phys. J. C **72** (2012) 2056
- 969 Measurement of τ polarization in $W \rightarrow \tau\nu$ decays with the ATLAS detector in pp collisions at $\sqrt{s} = 7$ TeV
 G Aad et al., Eur. Phys. J. C **72** (2012) 2062
- 970 A search for $t\bar{t}$ resonances with the ATLAS detector with 2.05 fb^{-1} of proton-proton collisions at $\sqrt{s} = 7$ TeV
 G Aad et al., Eur. Phys. J. C **72** (2012) 2083
- 971 Search for charged Higgs bosons decaying via $H^\pm \rightarrow \tau\nu$ in $t\bar{t}$ events using pp collision data at $\sqrt{s} = 7$ TeV with the ATLAS detector
 G Aad et al., JHEP **6** (2012) 39
- 972 Search for the decay $B_s^0 \rightarrow \mu^+ \mu^-$ with the ATLAS detector
 G Aad et al., Phys. Lett. B **713** (2012) 387-407
- 973 Search for events with large missing transverse momentum, jets, and at least two tau leptons in 7 TeV proton-proton collision data with the ATLAS detector
 G Aad et al., Phys. Lett. B **714** (2012) 180-196
- 974 Search for supersymmetry with jets, missing transverse momentum and at least one hadronically decaying τ lepton in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector
 G Aad et al., Phys. Lett. B **714** (2012) 197-214

- 975 Search for pair-produced heavy quarks decaying to Wq in the two-lepton channel at $\sqrt{s} = 7$ TeV with the ATLAS detector
 G Aad et al., Phys. Rev. D **86** (2012) 012007
- 976 Measurement of the azimuthal anisotropy for charged particle production in $\sqrt{s_{NN}} = 2.76$ TeV lead-lead collisions with the ATLAS detector
 G Aad et al., Phys. Rev. C **86** (2012) 014907
- 977 Measurement of inclusive jet and dijet production in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector
 G Aad et al., Phys. Rev. D **86** (2012) 014022
- 978 Search for down-type fourth generation quarks with $/ATd/$ in events with one lepton and hadronically decaying W bosons
 G Aad et al., Phys. Rev. Lett. **109** (2012) 032001
- 979 Combined search for the Standard Model Higgs boson in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector
 G Aad et al., Phys. Rev. Lett. **109** (2012) 032003
- 980 Measurement of the b -hadron production cross section using decays to $D^{*+}\mu^-X$ final states in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector
 G Aad et al., Nucl. Phys. B 864 (2012) 341-381
- 981 Search for pair production of a new b' quark that decays into a Z boson and a bottom quark with the ATLAS detector
 G Aad et al., Phys. Rev. Lett. **109** (2012) 071801
- 982 Search for scalar top quark pair production in natural gauge mediated supersymmetry models with the ATLAS detector in pp collisions at $\sqrt{s} = 7$ TeV
 G Aad et al., Phys. Lett. B 715 (2012) 44-60
- 983 Hunt for new phenomena using large jet multiplicities and missing transverse momentum with ATLAS in 4.7 fb^{-1} of $\sqrt{s} = 7$ TeV proton-proton collisions in pp interactions using the ATLAS detector
 G Aad et al., JHEP 1207 (2012) 167
- 984 Search for tb resonances in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector
 G Aad et al., Phys. Rev. Lett. **109** (2012) 081801
- 985 A search for $t\bar{t}$ resonances with the ATLAS detector in 2.05 fb^{-1} of proton-proton collisions at $\sqrt{s} = 7$ TeV
 G Aad et al., Eur. Phys. J. C 72 (2012) 2083
- 986 Observation of a new particle in the search for the Standard Model Higgs boson with the ATLAS detector at the LHC
 G Aad et al., Phys. Lett. B 716 (2012) 1-29
- 987 Search for the Standard Model Higgs boson in the image decay mode with image of ATLAS data at image
 G Aad et al., Phys. Lett. B 716 (2012) 62-81
- 988 Search for TeV-scale gravity signatures in final states with leptons and jets with the ATLAS detector at $\sqrt{s} = 7$ TeV image
 G Aad et al., Phys. Lett. B 716 (2012) 122-141
- 989 Evidence for the associated production of a W boson and a top quark in ATLAS at image
 G Aad et al., Phys. Lett. B 716 (2012) 142-159
- 990 Measurement of the azimuthal ordering of charged hadrons with the ATLAS detector
 G Aad et al., Phys. Rev. D **86** (2012) 052005
- 991 A search for $t\bar{t}$ resonances in lepton+jets events with highly boosted top quarks at $\sqrt{s} = 7$ TeV collected with the ATLAS detector
 G Aad et al., JHEP 09 (2012) 41
- 992 Search for second generation scalar leptoquarks in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector.
 G Aad et al., Eur. Phys. J. C 72 (2012) 2151

- 993 Search for fermiophobic Higgs boson in the diphoton decay channel with the ATLAS detector
 G Aad et al., Eur. Phys. J. C 72 (2012) 2157
- 994 Underlying event characteristics and their dependence on jet size of charged-particle jet events in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector
 G Aad et al., Phys. Rev. D 86 (2012) 072004
- 995 Search for a standard model Higgs boson in the $H \rightarrow ZZ \rightarrow \ell^+\ell^-\nu\bar{\nu}$ decay channel using 4.7 fb^{-1} of $\sqrt{s} = 7$ TeV data with the ATLAS detector
 G Aad et al., Phys. Lett. B 717 (2012) 29-48
- 996 Measurement of $W\gamma$ and $Z\gamma$ production cross sections in pp collisions at $\sqrt{s} = 7$ TeV and limits on anomalous triple gauge couplings with the ATLAS detector
 G Aad et al., Phys. Lett. B 717 (2012) 49-69
- 997 Search for a Standard Model Higgs boson in the mass range 200-600 GeV in the $H \rightarrow ZZ \rightarrow \ell^+\ell^-q\bar{q}$ decay channel with the ATLAS detector
 G Aad et al., Phys. Lett. B 717 (2012) 70-88
- 998 Measurement of the top quark pair cross section with the ATLAS detector in pp collisions at $\sqrt{s} = 7$ TeV using final states with an electron or a muon and a hadronically decaying τ lepton
 G Aad et al., Phys. Lett. B 717 (2012) 89-108
- 999 Measurement of the t -channel single top quark production cross section in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector
 G Aad et al., Phys. Lett. B 717 (2012) 330-350
- 1000 Search for the Standard Model Higgs boson in the $H \rightarrow \tau^+\tau^-$ decay mode in $\sqrt{s} = 7$ TeV collisions with ATLAS
 G Aad et al., JHEP 09 (2012) 70
- 1001 A search for flavour-changing neutral currents in top-quark decays in pp collision data collected with the ATLAS detector at $\sqrt{s} = 7$ TeV
 G Aad et al., JHEP 09 (2012) 139
- 1002 Measurement of $W^\pm Z$ production in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector
 G Aad et al., Eur. Phys. J. C 72 (2012) 2173
- 1003 Search for top and bottom squarks from gluino pair production in final states with missing transverse energy and at least three b -jets with the ATLAS detector
 G Aad et al., Eur. Phys. J. C 72 (2012) 2174
- 1004 ATLAS measurements on the properties of jets for boosted particle searches
 G Aad et al., Phys. Rev. D 86 (2012) 072006
- 1005 Search for the Standard Model Higgs boson produced in association with a vector boson and decaying into a b -quark pair with the ATLAS detector
 G Aad et al., Phys. Lett. B 718 (2012) 369-390
- 1006 Search for the Higgs boson in the $H \rightarrow WW \rightarrow \ell\nu jj$ decay channel at $\sqrt{s} = 7$ TeV with the ATLAS detector
 G Aad et al., Phys. Lett. B 718 (2012) 391-410
- 1007 Search for diphoton events with large missing transverse momentum in 7 TeV proton-proton collision data with the ATLAS detector
 G Aad et al., Phys. Lett. B 718 (2012) 411-430
- 1008 Further search for supersymmetry at $\sqrt{s} = 7$ TeV in final states with jets, missing transverse momentum, and isolated leptons with the ATLAS detector
 G Aad et al., Phys. Rev. D 86 (2012) 092002
- 1009 Search for a supersymmetric partner to the top quark in final states with jets and missing transverse momentum at $\sqrt{s} = 7$ TeV with the ATLAS detector
 G Aad et al., Phys. Rev. Lett. 109 (2012) 211802

- 1010 Search for direct top squark pair production in final states with one isolated lepton, jets and missing transverse momentum in $\sqrt{s} = 7$ TeV pp collisions using 4.7 fb^{-1} of ATLAS data
 G Aad et al., Phys. Rev. Lett. **109** (2012) 211803
- 1011 Search for resonant top quark plus jet production in $t\bar{t} + \text{jets}$ events with the ATLAS detector in pp collisions at $\sqrt{s} = 7$ TeV
 G Aad et al., Phys. Rev. D **86** (2012) 091103
- 1012 Measurement of event shapes at large momentum transfer with the ATLAS detector in pp collisions at $\sqrt{s} = 7$ TeV
 G Aad et al., Eur. Phys. J. C **72** (2012) 2211
- 1013 Search for supersymmetry in events with large missing transverse momentum,jets, and at least one τ lepton in 7 TeV proton-proton collision data with the ATLAS detector
 G Aad et al., Eur. Phys. J. C **72** (2012) 2215
- 1014 Search for light scalar top-quark pair production in final states with two leptons with the ATLAS detector in $\sqrt{7} = 7$ GeV proton-proton collisions
 G Aad et al., Eur. Phys. J. C **72** (2012) 2237
- 1015 ATLAS search for a heavy gauge boson decaying to a lepton and a neutrino in pp collisions at $\sqrt{s} = 7$ TeV
 G Aad et al., Eur. Phys. J. C **72** (2012) 2241
- 1016 Search for doubly charged Higgs bosons in like-sign dilepton states at $\sqrt{s} = 7$ TeV with the ATLAS detector
 G Aad et al., Eur. Phys. J. C **72** (2012) 2244
- item Search for anomalous production of prompt like-sign lepton pairs at $\sqrt{s} = 7$ TeV with the ATLAS detector
 G Aad et al., JHEP **11** (2012) 7
- 1017 Measurement of of the pseudorapidity dependence of the total transverse energy in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector
 G Aad et al., JHEP **11** (2012) 33
- 1018 Search for a heavy top-quark partner in final states with two leptons with the ATLAS detector at the LHC
 G Aad et al., JHEP **11** (2012) 094
- 1019 Search for high-mass resonances decaying into dilepton final states in pp collisions at $\sqrt{s} = 7$ TeV
 G Aad et al., JHEP **11** (2012) 138
- 1020 Time-dependent angular analysis of the decay $B_s \rightarrow J\psi\phi$ and extraction of $\Delta\Gamma_s$ and the CP -violating weak phase ϕ_s by ATLAS
 G Aad et al., JHEP **12** (2012) 72
- 1021 Search for magentic monopoles in $\sqrt{s} = 7$ TeV pp collisions with the ATLAS detector
 G Aad et al., Phys. Rev. Lett. **109** (2012) 261803
- 1022 Search for pair production of massive particles decaying into three quarks with the ATLAS detector in $\sqrt{s} = 7$ TeV pp collisions at the LHC
 G Aad et al., JHEP **12** (2012) 86
- 1023 Search for R -parity violating supersymmetry in events with four or more leptons in $\sqrt{s} = 7$ TeV pp collisions with the ATLAS detector
 G Aad et al., JHEP **12** (2012) 124
- 1024 Measurement of W^+W^- production in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector and limits on anomalous WWZ and $WW\gamma$ couplings
 G Aad et al., Phys. Rev. D **87** (2013) 112001
- 1025 Measurements of of $W\gamma$ and $Z\gamma$ production in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector at the LHC
 G Aad et al., Phys. Rev. D **87** (2013) 112003
 G Aad et al., Phys. Rev. D **91** (2015) 119901

- 1026 Search for resonant diboson production in the $WW/WZ \rightarrow \ell\nu jj$ decay channels with the ATLAS detector at $\sqrt{s} = 7$ TeV
 G Aad et al., Phys. Rev. D **87** (2012) 112006
- 1027 Search for dark matter candidates and large extra dimension in events with a photon and missing transverse momentum in pp collision data at $\sqrt{s} = 7$ TeV with the ATLAS detector
 G Aad et al., Phys. Rev. Lett. **110** (2013) 011802
- 1028 Search for contact interactions and large extra dimensions in dilepton events from pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector
 G Aad et al., Phys. Rev. D **87** (2013) 015010
- 1029 Measurement of Z boson production in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector
 G Aad et al., Phys. Rev. Lett. **110** (2013) 022301
- 1030 Search for squarks and gluinos with the ATLAS detector in final states with jets and missing transverse momentum using 4.7 fb^{-1} of $\sqrt{s} = 7$ proton-proton collision data
 G Aad et al., Phys. Rev. D **87** (2013) 012008
- 1031 Measurement of the Λ_b^0 lifetime and mass in the ATLAS experiment
 G Aad et al., Phys. Rev. D **87** (2013) 032002
- 1032 Search for new phenomena in events with three charged leptons at $\sqrt{s} = 7$ TeV with the ATLAS detector
 G Aad et al., Phys. Rev. D **87** (2013) 052002
- 1033 Measurement of upsilon production in 7 TeV pp collisions at ATLAS
 G Aad et al., Phys. Rev. D **87** (2013) 052004
- 1034 Search for direct production of charginos and neutrinos in events with three leptons and missing transverse momentum in $\sqrt{s} = 7$ TeV collisions with the ATLAS detector
 G Aad et al., Phys. Lett. B **718** (2013) 841-859
- 1035 Search for new phenomena in the $WW \rightarrow \ell\nu\ell'\nu'$ final state in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector
 G Aad et al., Phys. Lett. B **718** (2013) 860-878
- 1036 Search for direct slepton and gaugino production in final states with two leptons and missing transverse momentum with the ATLAS detector in pp collisions at $\sqrt{s} = 7$ TeV
 G Aad et al., Phys. Lett. B **718** (2013) 879-901
- 1037 Search for pair production of heavy top-like quarks decaying to a high- p_T W boson and a b quark in the lepton plus jets final state at $\sqrt{s} = 7$ TeV with the ATLAS detector
 G Aad et al., Phys. Lett. B **718** (2013) 1284-1302
- 1038 Measurement of the jet radius and transverse momentum dependence of inclusive jet suppression in lead-lead collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector
 G Aad et al., Phys. Lett. B **719** (2013) 220-241
- 1039 A search for high-mass resonances decaying to $\tau^+\tau^-$ in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector
 G Aad et al., Phys. Lett. B **719** (2013) 242-260
- 1040 Search for supersymmetry in events with photons, bottom quarks, and missing transverse momentum in proton-proton collisions at a centre-of-mass energy of 7 GeV with the ATLAS detector
 G Aad et al., Phys. Lett. B **719** (2013) 261-279
- 1041 Search for long-lived, heavy particles in final states with a muon and multi-track displaced vertex in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector
 G Aad et al., Phys. Lett. B **719** (2013) 280-298
- 1042 A search for prompt lepton-jets in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector
 G Aad et al., Phys. Lett. B **719** (2013) 299-317
- 1043 Search for light top squark pair production in final states with leptons and b -jets with the ATLAS detector in $\sqrt{s} = 7$ proton-proton collisions
 G Aad et al., Phys. Lett. B **720** (2013) 13-31

- 1044 Measurement of angular correlations in Drell-Yan lepton pairs to probe Z/γ^* boson transverse momentum at $\sqrt{s} = 7$ TeV with the ATLAS detector
 G Aad et al., Phys. Lett. B 720 (2013) 32-51
- 1045 Searches for heavy long-lived sleptons and R -hadrons with the ATLAS detector in pp collisions at $\sqrt{s} = 7$ TeV
 G Aad et al., Phys. Lett. B 720 (2013) 277-308
- 1046 Measurement of hard double-parton interactions in $W(\rightarrow \ell\nu) + 2$ jet events at $\sqrt{s} = 7$ TeV with the ATLAS detector the LHC
 G Aad et al., NJP 15 (2013) 033038
- 1047 Search for extra dimensions in diphoton events using proton-proton collisions recorded at $\sqrt{s} = 7$ TeV with the ATLAS detector the LHC
 G Aad et al., NJP 15 (2013) 043007
- 1048 Search for WH production with a light Higgs boson decaying to prompt electron-jets in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector
 G Aad et al., NJP 15 (2013) 043009
- 1049 Search for excited electrons and muons with proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
 G Aad et al., NJP 15 (2013) 093011
- 1050 ATLAS search for new phenomena in dijet mass and angular distributions using pp collisions at $\sqrt{s} = 7$ TeV
 G Aad et al., JHEP 01 (2013) 029
- 1051 Measurement of isolated-photon pair production in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector
 G Aad et al., JHEP 01 (2013) 086
- 1052 Search for resonances decaying into top quark pairs using fully hadronic decays in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector
 G Aad et al., JHEP 01 (2013) 116
- 1053 Search for direct chargino production in anomaly-mediated supersymmetry breaking models based on a disappearing-track signature in pp collisions with ATLAS at $\sqrt{s} = 7$ TeV
 G Aad et al., JHEP 01 (2013) 131
- 1054 A Mmssive particle consistent with the Standard Model Higgs boson observed with the ATLAS detector at the Large Hadron Collider
 G Aad et al., Science 338 no. 6414 (2013) 1576-1582
- 1055 Measurement of top quark pair relative cross-section with ATLAS in pp collisions at $\sqrt{s} = 7$ TeV
 G Aad et al., Eur. Phys. J. C 73 (2013) 2261
- 1056 Search for pair-produced massive scalars in four-jet final states with the ATLAS detector in proton-proton collisions at $\sqrt{s} = 7$ TeV
 G Aad et al., Eur. Phys. J. C 73 (2013) 2263
- 1057 Measurement of the flavour decomposition of dijet events in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector
 G Aad et al., Eur. Phys. J. C 73 (2013) 2301
- 1058 Search for the neutral Higgs bosons of the minimal supersymmetric standard model in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector
 G Aad et al., JHEP 02 (2013) 095
- 1059 Jet energy measurement with the ATLAS detectorin proton-proton collisions at $\sqrt{s} = 7$ TeV
 G Aad et al., Eur. Phys. J. C 73 (2013) 2304
- 1060 Jet energy resolution in proton-proton collisions at $\sqrt{s} = 7$ TeV recorded in 2010 with the ATLAS detector
 G Aad et al., Eur. Phys. J. C 73 (2013) 2306

- 1061 Single hadron response measurement and calorimeter jet energy scale uncertainty with the ATLAS detector at the LHC
 G Aad et al., Eur. Phys. J. C 73 (2013) 2305
- 1062 Measurement of the $t\bar{t}$ production cross section in the tau+jets channel using the ATLAS detector
 G Aad et al., Eur. Phys. J. C 73 (2013) 2328
- 1063 Search for charged Higgs bosons through the violation of lepton universality in $t\bar{t}$ events using pp collision data at $\sqrt{s} = 7$ TeV with the ATLAS experiment
 G Aad et al., JHEP 03 (2013) 076
- 1064 Multi-channel search for squarks and gluinos in $\sqrt{s} = 7$ TeV pp collisions with the ATLAS detector at the LHC.
 G Aad et al., Eur. Phys. J. C 73 (2013) 2362
- 1065 Measurement of ZZ production in pp collisions at $\sqrt{s} = 7$ TeV and limits on anomalous ZZZ and $ZZ\gamma$ couplings with the ATLAS detector
 G Aad et al., JHEP 03 (2013) 128
- 1066 Search for displaced muon lepton jets from light Higgs boson decay in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector
 G Aad et al., Phys. Lett. B 721 (2013) 32-50
- 1067 Search for single b^* -quark production with the ATLAS detector at $\sqrt{s} = 7$ TeV
 G Aad et al., Phys. Lett. B 721 (2013) 171-189
- 1068 Search for long-lived, multi-charged particles in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector
 G Aad et al., Phys. Lett. B 722 (2013) 305-323
- 1069 Search for a heavy narrow resonance decaying to $e\mu$, $e\tau$ or $\mu\tau$ with the ATLAS detector in $\sqrt{s} = 7$ TeV pp collisions at the LHC
 G Aad et al., Phys. Lett. B 723 (2013) 15-32
- 1070 Observation of associated near-side and away-side long-range correlations in $\sqrt{s_{NN}} = 5.02$ GeV proton-lead collisions with the ATLAS detector
 G Aad et al., Phys. Rev. Lett. 110 (2013) 182302
- 1071 Measurement with the ATLAS detector of multiparticle azimuthal correlations in $p + \text{Pb}$ collisions at $\sqrt{s_{NN}} = 5.02$ GeV
 G Aad et al., Phys. Lett. B 725 (2013) 60-78
- 1072 Measurement of the high-mass Drell-Yan differential cross-section in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector
 G Aad et al., Phys. Lett. B 725 (2013) 223-242
- 1073 Measurement of Higgs boson production and couplings in diboson final states with the ATLAS detector at the LHC
 G Aad et al., Phys. Lett. B 726 (2013) 88-119
 Erratum Phys. Lett. B 728 (2014) 406
- 1074 Evidence for the spin-0 nature of the Higgs boson using ATLAS data with the ATLAS detector at the LHC
 G Aad et al., Phys. Lett. B 726 (2013) 120-144
- 1075 Dynamics of isolated-photon plus jet production in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector
 G Aad et al., Nucl. Phys. B 875 (2013) 483-535
- 1076 Characterisation and mitigation of beam-induced backgrounds observed in the ATLAS detector during the 2011 proton-proton run
 G Aad et al., JINST 8 (2013) P07004
- 1077 Triggers for displaced decays of long-lived neutral particles in the ATLAS detector
 G Aad et al., JINST 8 (2013) P07015

- 1078 Search for nonpointing photons in the diphoton and E_T^{miss} final state in $\sqrt{s} = 7$ TeV proton-proton collisions using the ATLAS detector
 G Aad et al., Phys. Rev. D **88** (2013) 012001
- 1079 Search for $t\bar{t}$ resonances in the lepton plus jets final state with ATLAS using 4.7 fb^{-1} of pp collisions at $\sqrt{s} = 7$ TeV
 G Aad et al., Phys. Rev. D **88** (2013) 012004
- 1080 Measurement of charged-particle event shape variables in inclusive $\sqrt{(s)} = 7$ TeV proton-proton interactions with the ATLAS detector
 G Aad et al., Phys. Rev. D **88** (2013) 032004
- 1081 Search for microscopic black holes in a like-sign dimuon final state using large track multiplicity with the ATLAS detector
 G Aad et al., Phys. Rev. D **88** (2013) 072001
- 1082 Measurement of the azimuthal angle dependence of inclusive jet yields in Pb+Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector
 G Aad et al., Phys. Rev. Lett. **111** (2013) 182302
- 1083 Search for long-lived stopped R -hadrons decaying out of time with pp collisions using the ATLAS detector
 G Aad et al., Phys. Rev. D **88** (2013) 112003
- 1084 Measurement of top quark polarisation in top-antitop events from proton-proton collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector
 G Aad et al., Phys. Rev. Lett. **111** (2013) 232002
- 1085 Search for charginos nearly mass degenerate with the lightest neutralino based on a disappearing-track signature in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
 G Aad et al., Phys. Rev. D **88** (2013) 112006
- 1086 Measurement of k_T splitting scales in $W \rightarrow \ell\nu$ events at $\sqrt{s} = 7$ TeV with the ATLAS detector
 G Aad et al., Eur. Phys. J. C **73** (2013) 2432
- 1087 Search for a light charged Higgs boson in the decay channel $H^+ \rightarrow c\bar{s}$ in $t\bar{t}$ events using pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector
 G Aad et al., Eur. Phys. J. C **73** (2013) 2465
- 1088 Measurement of the inclusive jet cross-section in pp collisions at $\sqrt{s} = 2.76$ TeV and comparison to the inclusive jet cross-section at $\sqrt{s} = 7$ TeV using the ATLAS detector
 G Aad et al., Eur. Phys. J. C **73** (2013) 2509
- 1089 Improved luminosity determination in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector at the LHC
 G Aad et al., Eur. Phys. J. C **73** (2013) 2518
- 1090 Measurement of jet shapes in top-quark pair events at $\sqrt{s} = 7$ TeV using the ATLAS detector
 G Aad et al., Eur. Phys. J. C **73** (2013) 2676
- 1091 Search for dark matter candidates and large extra dimensions in events with a jet and missing transverse momentum with ATd
 G Aad et al., JHEP **04** (2013) 75
- 1092 Measurement of the cross-section for W boson production in association with b -jets in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector
 G Aad et al., JHEP **06** (2013) 084
- 1093 Search for third generation scalar leptoquarks in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector
 G Aad et al., JHEP **06** (2013) 033
- 1094 Measurement of the production cross section of jets in association with a Z boson in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector
 G Aad et al., JHEP **07** (2013) 032
- 1095 Performance of jet substructure techniques for large- R jets in proton-proton collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector
 G Aad et al., JHEP **09** (2013) 076

- 1096 Measurement of the differential cross-section of B^+ production in pp collisions at $\sqrt{s} = 7$ TeV at ATLAS
 G Aad et al., JHEP 10 (2013) 042
- 1097 Search for new phenomena in final states with large jet multiplicities and missing transverse momentum at $\sqrt{s} = 8$ TeV proton-proton collisions using the ATLAS experiment
 G Aad et al., JHEP 10 (2013) 130, Erratum JHEP 01 (2014) 109
- 1098 Search for direct third-generation squark pair production in final states with missing transverse momentum and two b -jets in $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector
 G Aad et al., JHEP 10 (2013) 189
- 1099 Measurement of the top-quark charge in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector
 G Aad et al., JHEP 11 (2013) 031
- 1100 Measurement of the distributions of event-by-event flow harmonics in lead-lead collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector at the LHC
 G Aad et al., JHEP 11 (2013) 183
- 1101 Measurement of the mass difference between top and anti-top quarks in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector
 G Aad et al., Phys. Lett. B 728 (2014) 363-379
- 1102 Search for new phenomena in photon + jet events collected in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector
 G Aad et al., Phys. Lett. B 728 (2014) 562-578
- 1103 Standalone Vertex Finding in the ATLAS Muon Spectrometer
 G Aad et al., JINST 9 (2014) P02001
- 1104 Search for dark matter in events with a hadronically decaying W or Z boson and missing transverse momentum in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
 G Aad et al., Phys. Rev. Lett. 112 (2014) 041802
- 1105 Search for a multi-Higgs boson cascade in $W^+W^-b\bar{b}$ events with the ATLAS detector in pp collisions at $\sqrt{s} = 8$ TeV
 G Aad et al., Phys. Rev. D 89 (2014) 032002
- 1106 Measurement of the top quark pair production charge asymmetry in proton-proton collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector
 G Aad et al., JHEP 02 (2014) 107
- 1107 Search for quantum black-hole production in high-invariant-mass lepton+jet final states using pp collisions at $\sqrt{s} = 8$ TeV and the ATLAS detector
 G Aad et al., Phys. Rev. Lett. 112 (2014) 091804
- 1108 Measurement of the inclusive isolated prompt photon cross section in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector using 4.6 fb^{-1}
 G Aad et al., Phys. Rev. D 89 (2014) 052004
- 1109 Study of heavy-flavor quarks produced in association with top-quark pairs at $\sqrt{s} = 7$ TeV using the ATLAS detector
 G Aad et al., Phys. Rev. D 89 (2014) 052004
- 1110 Measurement of the parity violating asymmetry parameter α_b and the helicity amplitudes for the decay $\Lambda_b^0 \rightarrow J/\psi \Lambda^0$ with the ATLAS detector
 G Aad et al., Phys. Rev. D 89 (2014) 092009
- 1111 Measurement of the electroweak production of dijets in association with a Z-boson and distributions sensitive to vector boson fusion in proton-proton collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector
 G Aad et al., JHEP 04 (2014) 031
- 1112 Search for direct production of charginos and neutralinos in events with three leptons and missing transverse momentum in $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector
 G Aad et al., JHEP 04 (2014) 169

- 1113 Measurement of the production cross-section of prompt J/ψ mesons in association with a W boson in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector
 G Aad et al., JHEP 04 (2014) 172
- 1114 Measurement of dijet cross sections in pp collisions at 7 TeV centre-of-mass energy using the ATLAS detector
 G Aad et al., JHEP 05 (2014) 059
- 1115 Measurement of the production of a W boson in association with a charm quark in pp collisions at $s = 7$ TeV with the ATLAS detector
 G Aad et al., JHEP 05 (2014) 068
- 1116 Searches for direct production of charginos, neutralinos and sleptons in final states with two leptons and missing transverse momentum in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
 G Aad et al., JHEP 05 (2014) 071
- 1117 Search for top quark decays $t \rightarrow qH$ with $H \rightarrow \gamma\gamma$ using the ATLAS detector
 G Aad et al., JHEP 06 (2014) 008
- 1118 Measurement of the low mass Drell-Yan differential cross section at $\sqrt{s} = 7$ TeV using the ATLAS detector
 G Aad et al., JHEP 06 (2014) 112
- 1119 Search for direct top squark pair production in final states with two leptons in $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector
 G Aad et al., JHEP 06 (2014) 124
- 1120 Search for supersymmetry at $s = 8$ TeV in final states with jets and two same-sign leptons or three leptons with the ATLAS detector
 G Aad et al., JHEP 06 (2014) 035
- 1121 Measurement of χ_{c1} and χ_{c2} production with $\sqrt{s} = 7$ pp collisions at ATLAS
 G Aad et al., JHEP 07 (2014) 154
- 1122 Search for microscopic black holes and string balls in final states with leptons and jets with the ATLAS detector at $\sqrt{s} = 8$ TeV
 G Aad et al., JHEP 08 (2014) 103
- 1123 The monitoring and data quality assessment of the ATLAS liquid argon calorimeter
 G Aad et al., JINST 9 (2014) P07024
- 1124 Operation and Performance of the ATLAS Semiconductor Tracker
 G Aad et al., JINST 9 (2014) P08009
- 1125 A neural network clustering algorithm for the ATLAS silicon pixel detector
 G Aad et al., JINST 9 (2014) P09009
- 1126 The differential production cross section of the phi(1020) meson in $\sqrt{s} = 7$ TeV pp collisions measured with the ATLAS detector
 G Aad et al., Eur. Phys. J. C 74 (2014) 2895
- 1127 Search for direct stop pair production in events with a Z boson, b-jets and missing transverse energy with the ATLAS detector using 21 fb^{-1} from proton-proton collision at $\sqrt{s} = 8$ TeV
 G Aad et al., Eur. Phys. J. C 74 (2014) 2883
- 1128 Electron reconstruction and identification efficiency measurements with the ATLAS detector using the 2011 LHC proton-proton collision data
 G Aad et al., Eur. Phys. J. C 74 (2014) 2941
- 1129 Measurement of the underlying event in jet events from 7 TeV proton-proton collisions with the ATLAS detector
 G Aad et al., Eur. Phys. J. C 74 (2014) 2965
- 1130 Measurement of the centrality and pseudorapidity dependence of the integrated elliptic flow in lead-lead collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector
 G Aad et al., Eur. Phys. J. C 74 (2014) 3023

- 1131 Light-quark and gluon jet discrimination in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector
G Aad et al., Eur. Phys. J. C 74 (2014) 3023
- 1132 Muon reconstruction efficiency and momentum resolution of the ATLAS experiment in proton-proton collisions at $\sqrt{s} = 7$ TeV in 2010
G Aad et al., Eur. Phys. J. C 74 (2014) 3034
- 1133 Search for dark matter in events with single Z and missing transverse energy using pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
G Aad et al., Phys. Rev. D 90 (2014) 012004
- 1134 Search for invisible decays of a Higgs boson produced in association with a Z boson in ATLAS
G Aad et al., Phys. Rev. Lett. 112 (2014) 201802
- 1135 Measurement of the 4ℓ cross section at the Z resonance and determination of the branching fraction of $Z \rightarrow 4\ell$ in pp collisions at $\sqrt{s_{\text{NN}}} = 7$ and 8 TeV with ATLAS
G Aad et al., Phys. Rev. Lett. 112 (2014) 231806
- 1136 Evidence of electroweak production of WWjj in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
G Aad et al., Phys. Rev. Lett. 113 (2014) 141803
- 1137 Search for scalar diphoton resonances in the mass range 65-600 GeV with the ATLAS detector in pp collision data at $\sqrt{s} = 8$ TeV
G Aad et al., Phys. Rev. Lett. 113 (2014) 171801
- 1138 Measurement of long-range pseudorapidity correlations and azimuthal harmonics in $\sqrt{s_{\text{NN}}}=5.02$ TeV proton-lead collisions with the ATLAS detector
G Aad et al., Phys. Rev. C 90 (2014) 024905
- 1139 Measurement of event-plane correlations in $\sqrt{s_{\text{NN}}}=5.02$ TeV proton-lead collisions with the ATLAS detector
G Aad et al., Phys. Rev. C 90 (2014) 044906
- 1140 Search for supersymmetry in events with four or more leptons in $s = 8$ TeV pp collisions with the ATLAS detector
G Aad et al., Phys. Rev. D 90 (2014) 052001
- 1141 Measurement of the Higgs boson mass from the $H \rightarrow \gamma\gamma$ and $H \rightarrow ZZ^* \rightarrow 4\ell$ channels with the ATLAS detector at the LHC
G Aad et al., Phys. Rev. D 90 (2014) 052004
- 1142 Search for high-mass dilepton resonances in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
G Aad et al., Phys. Rev. D 90 (2014) 052005
- 1143 Flavour tagged time dependent angular analysis of the $B_s^0 \rightarrow J/\psi\phi$ decay and extraction of $\Delta\Gamma_s$ and the weak phase ϕ_s in ATLAS
G Aad et al., Phys. Rev. D 90 (2014) 052007
- 1144 Search for pair-produced third-generation squarks decaying via charm quarks or in compressed supersymmetric scenarios in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
G Aad et al., Phys. Rev. D 90 (2014) 052008
- 1145 Measurements of top-quark pair differential cross-sections in the 1+jets channel in pp collisions at $s = 7$ TeV using the ATLAS detector
G Aad et al., Phys. Rev. D 90 (2014) 072004
- 1146 Search for the lepton flavor violating decay $Z \rightarrow emu$ in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
G Aad et al., Phys. Rev. D 90 (2014) 072010
- 1147 Search for direct production of the top squark in all-hadronic final states at $\sqrt{s} = 8$ TeV with the ATLAS detector
G Aad et al., JHEP 09 (2014) 015

- 1148 Search for new particles in events with one lepton and missing transverse momentum in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
 G Aad et al., JHEP 09 (2014) 037
- 1149 Measurement of the production cross-section of $\psi(2S) \rightarrow J/\psi(\rightarrow \mu^+ \mu^-) \pi^+ \pi^-$ in pp collisions at $\sqrt{s} = 7$ TeV at ATLAS
 G Aad et al., JHEP 09 (2014) 079
- 1150 Search for supersymmetry in events with large missing transverse momentum, jets, and at least one tau lepton in 20 fb^{-1} of $\sqrt{s} = 8$ proton-proton collision data with the ATLAS detector
 G Aad et al., JHEP 09 (2014) 103
- 1151 Measurement of fiducial and differential cross sections for Higgs boson production in the diphoton channel at $\sqrt{s} = 8$ TeV with the ATLAS detector
 G Aad et al., JHEP 09 (2014) 112
- 1152 Measurement of the Z/γ^* boson transverse momentum distribution in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector
 G Aad et al., JHEP 09 (2014) 145
- 1153 Search for squarks and gluinos with the ATLAS detector in final states with jets and missing transverse momentum using 20.3 fb^{-1} of $\sqrt{s} = 8$ TeV proton-proton collision data
 G Aad et al., JHEP 09 (2014) 176
- 1154 Search for strong production of supersymmetric particles in final states with missing transverse momentum and at least three b-jets using pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
 G Aad et al., JHEP 10 (2014) 024
- 1155 Search for the direct production of charginos, neutralinos and staus in final states with at least two hadronically decaying taus and missing transverse momentum in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
 G Aad et al., JHEP 10 (2014) 096
- 1156 Measurement of differential production cross-sections for a Z boson in association with b-jets in 7 TeV proton-proton collisions with the ATLAS detector
 G Aad et al., JHEP 10 (2014) 141
- 1157 Search for neutral Higgs bosons of the Minimal Supersymmetric Standard Model in pp collisions at $s = 8$ TeV with the ATLAS detector
 G Aad et al., JHEP 11 (2014) 056
- 1158 Search for the Standard Model Higgs boson decay to a photon and Z boson in pp collisions at $\sqrt{s} = 7$ and 8 TeV with the ATLAS detector
 G Aad et al., Phys. Lett. B 732 (2014) 8-27
- 1159 Search for WZ resonances in the fully leptonic channel using pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
 G Aad et al., Phys. Lett. B 737 (2014) 223-243
- 1160 Observation of boosted $Z \rightarrow bb$ production in proton-proton collisions at $\sqrt{s} = 8$ TeV and measurement of the production cross-section
 G Aad et al., Phys. Lett. B 738 (2014) 25-43
- 1161 Search for the Standard Model Higgs boson decay to $\mu^+ \mu^-$ with the ATLAS detector
 G Aad et al., Phys. Lett. B 738 (2014) 68-86
- 1162 Fiducial and differential cross sections of Higgs boson production measured in the four-lepton decay channel in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
 G Aad et al., Phys. Lett. B 738 (2014) 234-253
- 1163 Search for new resonances in the $W\gamma$ and $Z\gamma$ final states in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
 G Aad et al., Phys. Lett. B 738 (2014) 428-447

- 1164 Measurement of inclusive jet charged-particle fragmentation functions in Pb+Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector
 G Aad et al., Phys. Lett. B 739 (2014) 320-342
- 1165 Measurement of the total cross section from elastic scattering in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector
 G Aad et al., Nucl. Phys. B 889 (2014) 486-548
- 1166 Measurement of the $t\bar{t}$ production cross-section using $e\mu$ events with b-tagged jets in pp collisions at $s=7$ and 8 TeV with the ATLAS detector
 G Aad et al., Eur. Phys. J. C 74 (2014) 3109
- 1167 Electron and photon energy calibration with the ATLAS detector using LHC Run 1 data
 G Aad et al., Eur. Phys. J. C 74 (2014) 3071
- 1168 Measurements of of jet vetoes and azimuthal decorrelations in dijet events produced in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector
 G Aad et al., Eur. Phys. J. C 74 (2014) 3117
- 1169 Measurement of the cross-section of high transverse momentum vector bosons reconstructed as single jets and studies of jet substructure in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector
 G Aad et al., New J. Phys 16 (2014) 113013
- 1170 Measurement of the muon reconstruction performance of the ATLAS detector using 2011 and 2012 LHC proton-proton collision data
 G Aad et al., Eur. Phys. J. C 74 (2014) 3130
- 1171 Search for contact interactions and large extra dimensions in the dilepton channel using proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
 G Aad et al., Eur. Phys. J. C 74 (2014) 3134
- 1172 Measurement of flow harmonics with multi-particle cumulants in Pb+Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector
 G Aad et al., Eur. Phys. J. C 74 (2014) 3157
- 1173 A measurement of the ratio of the production cross sections for W and Z bosons in association with jets with the ATLAS detector
 G Aad et al., Eur. Phys. J. C 74 (2014) 3168
- 1174 Measurement of distributions sensitive to the underlying event in inclusive Z-boson production in pp collisions at $s=7$ TeV with the ATLAS detector
 G Aad et al., Eur. Phys. J. C 74 (2014) 3195
- 1175 Search for pair and single production of new heavy quarks that decay to a Z boson and a third-generation quark in pp collisions at $s=8$ TeV with the ATLAS detector
 G Aad et al., JHEP 11 (2014) 104
- 1176 Search for long-lived neutral particles decaying into lepton jets in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
 G Aad et al., JHEP 11 (2014) 088
- 1177 Search for top squark pair production in final states with one isolated lepton, jets, and missing transverse momentum in $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector
 G Aad et al., JHEP 11 (2014) 118
- 1178 Observation of an Excited B_c^\pm Meson State with the ATLAS detector
 G Aad et al., Phys. Rev. Lett. **113** (2014) 212004
- 1179 Search for nonpointing and delayed photons in the diphoton and missing transverse momentum final state in 8 TeV pp collisions at the LHC using the ATLAS detector
 G Aad et al., Phys. Rev. D **90** (2014) 112005
- 1180 Measurement of spin correlation in top-antitop quark events from proton-proton collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector
 G Aad et al., Phys. Rev. D **90** (2014) 112006

- 1181 Measurement of Higgs boson production in the diphoton decay channel in pp collisions at center-of-mass energies of 7 and 8 TeV with the ATLAS detector
 G Aad et al., Phys. Rev. D **90** (2014) 112015
- 1182 Comprehensive measurement of t -channel single top-quark production cross sections at $\sqrt{s} = 7$ TeV with the ATLAS detector
 G Aad et al., Phys. Rev. D **90** (2014) 112016
- 1183 Search for s -channel single top-quark production in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
 G Aad et al., Phys. Lett. B **740** (2014) 118-136
- 1184 Jet energy measurement and its systematic uncertainty in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector
 G Aad et al., Eur. Phys. J. C **75** (2015) 17
- 1185 Search For Higgs Boson Pair Production in the $\gamma\gamma b\bar{b}$ Final State using pp Collision Data at $\sqrt{s} = 8$ TeV from the ATLAS detector
 G Aad et al., Phys. Rev. Lett. **114** (2015) 081802
- 1186 Simultaneous measurements of the $t\bar{t}W^\pm W^\mp$, and $Z\gamma^* \rightarrow \tau\tau$ production cross-sections in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector
 G Aad et al., Phys. Rev. D **91** (2015) 052005
- 1187 Measurement of the $t\bar{t}$ production cross-section as a function of jet multiplicity and jet transverse momentum in 7 TeV proton-proton collisions with the ATLAS detector
 G Aad et al., JHEP **1501** (2015) 020
- 1188 Search for new phenomena in the dijet mass distribution using p-p collision data at $\sqrt{s} = 7$ TeV with the ATLAS detector
 G Aad et al., Phys. Rev. D **91** (2015) 052007
- 1189 Search for $W' \rightarrow tb \rightarrow qqbb$ decays in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
 G Aad et al., Eur. Phys. J. C **75** (2015) 165
- 1190 Search for the X_b and other hidden-beauty states in the $\pi^+\pi^-\Upsilon(1S)$ channel at ATLAS
 G Aad et al., Phys. Lett. B **740** (2014) 199-217
- 1191 Performance of the ATLAS muon trigger in pp collisions at $\sqrt{s} = 8$ TeV
 G Aad et al., Eur. Phys. J. C **75** (2015) 120
- 1192 Measurement of the production and lepton charge asymmetry of W bosons in Pb+Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector
 G Aad et al., Eur. Phys. J. C **75** (2015) 23
- 1193 Measurements of of Higgs boson production and couplings in the four-lepton channel in pp collisions at center-of-mass energies of 7 and 8 TeV with the ATLAS detector
 G Aad et al., Phys. Rev. D **91** (2015) 012006
- 1194 Measurement of the top-quark mass in the fully hadronic decay channel from ATLAS data at $\sqrt{s} = 7$ TeV
 G Aad et al., Eur. Phys. J. C **75** (2015) 158
- 1195 Search for $H \rightarrow \gamma\gamma$ produced in association with top quarks and constraints on the Yukawa coupling between the top quark and the Higgs boson using data taken at 7 TeV and 8 TeV with the ATLAS detector
 G Aad et al., Phys. Lett. B **740** (2015) 222-242
- 1196 Search for resonant diboson production in the $\ell\ell q\bar{q}$ final state in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
 G Aad et al., Eur. Phys. J. C **75** (2015) 69
- 1197 Search for the $b\bar{b}$ decay of the Standard Model Higgs boson in associated $(W/Z)H$ production with the ATLAS detector
 G Aad et al., JHEP **1501** (2015) 069

- 1198 Measurements of of the W production cross sections in association with jets with the ATLAS detector
 G Aad et al., Eur. Phys. J. C 75 (2015) 82
- 1199 Search for s -channel single top-quark production in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
 G Aad et al., Phys. Lett. B 740 (2015) 118-136
- 1200 Search for dark matter in events with heavy quarks and missing transverse momentum in pp collisions with the ATLAS detector
 G Aad et al., Eur. Phys. J. C 75 (2015) 92
- 1201 Search for $W' \rightarrow t\bar{b}$ in the lepton plus jets final state in proton-proton collisions at a centre-of-mass energy of $\sqrt{s} = 8$ TeV with the ATLAS detector
 G Aad et al., Phys. Lett. B 743 (2015) 235-255
- 1202 Search for invisible particles produced in association with single-top-quarks in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
 G Aad et al., Eur. Phys. J. C 75 (2015) 79
- 1203 Measurement of the $WW + WZ$ cross section and limits on anomalous triple gauge couplings using final states with one lepton, missing transverse momentum, and two jets with the ATLAS detector at $\sqrt{s} = 7$ TeV
 G Aad et al., JHEP 1501 (2015) 049
- 1204 Measurement of the inclusive jet cross-section in proton-proton collisions at $\sqrt{s} = 7$ TeV using 4.5 fb^{-1} of data with the ATLAS detector
 G Aad et al., JHEP 1502 (2015) 153
 G Aad et al., JHEP 1509 (2015) 141
- 1205 Search for new phenomena in events with a photon and missing transverse momentum in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
 G Aad et al., Phys. Rev. D 91 (2015) 012008
 G Aad et al., Phys. Rev. D 92 (2015) 059903
- 1206 Measurement of three-jet production cross-sections in pp collisions at 7 TeV centre-of-mass energy using the ATLAS detector
 G Aad et al., Eur. Phys. J. C 75 (2015) 228
- 1207 Measurements of of the Nuclear Modification Factor for Jets in Pb+Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector
 G Aad et al., Phys. Rev. Lett. 114 (2015) 072302
- 1208 Search for new phenomena in events with three or more charged leptons in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
 G Aad et al., JHEP 1508 (2015) 138
- 1209 Searches for heavy long-lived charged particles with the ATLAS detector in proton-proton collisions at $\sqrt{s} = 8$ TeV
 G Aad et al., JHEP 1501 (2015) 068
- 1210 Search for anomalous production of prompt same-sign lepton pairs and pair-produced doubly charged Higgs bosons with $\sqrt{s} = 8$ TeV pp collisions using the ATLAS detector
 G Aad et al., JHEP 1503 (2015) 041
- 1211 Measurement of the transverse polarization of Λ and $\bar{\Lambda}$ hyperons produced in proton-proton collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector
 G Aad et al., Phys. Rev. D 91 (2015) 032004
- 1212 Observation and measurement of Higgs boson decays to WW^* with the ATLAS detector
 G Aad et al., Phys. Rev. D 92 (2015) 0112006
- 1213 Centrality and rapidity dependence of inclusive jet production in $\sqrt{s_{NN}} = 5.02$ TeV proton-lead collisions with the ATLAS detector
 G Aad et al., Phys. Lett. B 748 (2015) 392-413

- 1214 Measurement of Spin Correlation in Top-Antitop Quark Events and Search for Top Squark Pair Production in pp collisions at $\sqrt{s} = 8$ TeV Using the ATLAS detector
G Aad et al., Phys. Rev. Lett. **114** (2015) 142001
- 1215 Observation and measurements of the production of prompt and non-prompt J/ψ mesons in association with a Z boson in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
G Aad et al., Eur. Phys. J. C **75** (2015) 229
- 1216 Search for charged Higgs bosons decaying via $H^\pm \rightarrow \tau^\pm \nu$ in fully hadronic final states using pp collision data at $\sqrt{s} = 8$ TeV with the ATLAS detector
G Aad et al., JHEP **1503** (2015) 088
- 1217 Identification and energy calibration of hadronically decaying tau leptons with the ATLAS experiment in pp collisions at $\sqrt{s} = 8$ TeV
G Aad et al., Eur. Phys. J. C **75** (2015) 303
- 1218 Search for Scalar charm Quark Pair Production in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
G Aad et al., Phys. Rev. Lett. **114** (2015) 161801
- 1219 Search for Higgs and Z Boson Decays to $J/\psi\gamma$ and $\Upsilon(nS)\gamma$ with the ATLAS detector
G Aad et al., Phys. Rev. Lett. **114** (2015) 121801
- 1220 Search for squarks and gluinos in events with isolated leptons, jets and missing transverse momentum at $\sqrt{s} = 8$ TeV with the ATLAS detector
G Aad et al., JHEP **1504** (2015) 116
- 1221 Search for pair-produced long-lived neutral particles decaying in the ATLAS hadronic calorimeter in pp collisions at $\sqrt{s} = 8$ TeV
G Aad et al., Phys. Lett. B **743** (2015) 15-34
- 1222 Evidence for the Higgs-boson Yukawa coupling to tau leptons with the ATLAS detector
G Aad et al., JHEP **1504** (2015) 117
- 1223 Search for direct pair production of a chargino and a neutralino decaying to the 125 GeV Higgs boson in $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector
G Aad et al., Eur. Phys. J. C **75** (2015) 208
- 1224 Measurement of the charge asymmetry in dileptonic decays of top quark pairs in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector
G Aad et al., JHEP **1505** (2015) 061
- 1225 Observation of top-quark pair production in association with a photon and measurement of the $t\bar{t}\gamma$ production cross section in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector
G Aad et al., Phys. Rev. D **91** (2015) 072007
- 1226 Search for new phenomena in final states with an energetic jet and large missing transverse momentum in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
G Aad et al., Eur. Phys. J. C **75** (2015) 299
G Aad et al., Eur. Phys. J. C **75** (2015) 408
- 1227 Search for a CP-odd Higgs boson decaying to Zh in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
G Aad et al., Phys. Lett. B **744** (2015) 163-183
- 1228 Search for massive supersymmetric particles decaying to many jets using the ATLAS detector in pp collisions at $\sqrt{s} = 8$ TeV
G Aad et al., Phys. Rev. D **91** (2015) 112016
- 1229 Differential top-antitop cross-section measurements as a function of observables constructed from final-state particles using pp collisions at $\sqrt{s} = 7$ TeV TeV in the ATLAS detector
G Aad et al., JHEP **1506** (2015) 100
- 1230 A search for high-mass resonances decaying to $\tau^+\tau^-$ in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector
G Aad et al., JHEP **1507** (2015) 157

- 1231 Two-particle Bose-Einstein correlations in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV measured with the ATLAS detector
 G Aad et al., Eur. Phys. J. C 75 (2015) 466
- 1232 Constraints on the off-shell Higgs boson signal strength in the high-mass ZZ and WW final states with the ATLAS detector
 G Aad et al., Eur. Phys. J. C 75 (2015) 335
- 1233 Evidence of $W\gamma\gamma$ Production in pp collisions at $\sqrt{s} = 8$ TeV and Limits on Anomalous Quartic Gauge Couplings with the ATLAS detector
 G Aad et al., Phys. Rev. Lett. 115 (2015) 031802
- 1234 Search for supersymmetry in events containing a same-flavour opposite-sign dilepton pair, jets, and large missing transverse momentum in $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector
 G Aad et al., Eur. Phys. J. C 75 (2015) 318
 G Aad et al., Eur. Phys. J. C 75 (2015) 463
- 1235 Determination of spin and parity of the Higgs boson in the $WW^* \rightarrow e\nu\mu\nu$ decay channel with the ATLAS detector
 G Aad et al., Eur. Phys. J. C 75 (2015) 231
- 1236 Measurement of the forward-backward asymmetry of electron and muon pair-production in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector
 G Aad et al., JHEP 1509 (2015) 049
- 1237 Search for a charged Higgs Boson Produced in the Vector-Boson Fusion Mode with Decay $H^\pm \rightarrow W^\pm ZZ$ using pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS Experiment
 G Aad et al., Phys. Rev. Lett. 114 (2015) 231801
- 1238 Search for a Heavy Neutral Particle Decaying to $e\mu, e\tau$ or $\mu\tau$ in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
 G Aad et al., Phys. Rev. Lett. 115 (2015) 031801
- 1239 Search for production of WW/WZ resonances decaying to a lepton, neutrino and jets in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
 G Aad et al., Eur. Phys. J. C 75 (2015) 209
 G Aad et al., Eur. Phys. J. C 75 (2015) 370
- 1240 Search for the Standard Model Higgs boson produced in association with top quarks and decaying into $b\bar{b}$ in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
 G Aad et al., Eur. Phys. J. C 75 (2015) 349
- 1241 Search for vectorlike B quarks in events with one isolated lepton, missing transverse momentum and jets at $\sqrt{s} = 8$ TeV with the ATLAS detector
 G Aad et al., Phys. Rev. D 91 (2015) 112011
- 1242 Measurement of the top quark mass in the $t\bar{t} \rightarrow$ lepton+jets and $t\bar{t} \rightarrow$ dilepton channels using $\sqrt{s} = 7$ TeV TeV ATLAS data
 G Aad et al., Eur. Phys. J. C 75 (2015) 330
- 1243 ATLAS Run 1 searches for direct pair production of third-generation squarks at the Large Hadron Collider
 G Aad et al., Eur. Phys. J. C 75 (2015) 510
 Erratum: Eur. Phys. J. C 76 (2016) 153
- 1244 Combined Measurement of the Higgs Boson Mass in pp collisions at $\sqrt{s} = 7$ and 8 TeV with the ATLAS and CMS Experiments
 ATLAS and CMS Collaborations, G Aad et al., Phys. Rev. Lett. 114 (2015) 191803
- 1245 Search for a new resonance decaying to a W or Z boson and a Higgs boson in the $\ell\ell/\ell\nu/nu/nu + b\bar{b}$ final states with the ATLAS detector
 G Aad et al., Eur. Phys. J. C 75 (2015) 263
- 1246 Search for low-scale gravity signatures in multi-jet final states with the ATLAS detector at $\sqrt{s} = 8$ TeV
 G Aad et al., JHEP 1507 (2015) 032

- 1247 Search for New Phenomena in Dijet Angular Distributions in Proton-Proton Collisions at $\sqrt{s} = 8$ TeV Measured with the ATLAS detector
G Aad et al., Phys. Rev. Lett. **114** (2015) 221802
- 1248 Measurement of the correlation between flow harmonics of different order in lead-lead collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector
G Aad et al., Phys. Rev. C **92** (2015) 034903
- 1249 Search for long-lived, weakly interacting particles that decay to displaced hadronic jets in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
G Aad et al., Phys. Rev. D **92** (2015) 021010
- 1250 Search for heavy long-lived multi-charged particles in pp collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector
G Aad et al., Eur. Phys. J. C **75** (2015) 362
- 1251 Measurement of the top pair production cross section in 8 TeV proton-proton collisions using kinematic information in the lepton+jets final state with ATLAS
G Aad et al., Phys. Rev. D **91** (2015) 112013
- 1252 Search for invisible decays of the Higgs boson produced in association with a hadronically decaying vector boson in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
G Aad et al., Eur. Phys. J. C **75** (2015) 337
- 1253 Measurement of charged-particle spectra in Pb+Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector at the LHC
G Aad et al., JHEP **1509** (2015) 050
- 1254 Analysis of events with b -jets and a pair of leptons of the same charge in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
G Aad et al., JHEP **1510** (2015) 150
- 1255 Search for high-mass diphoton resonances in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
G Aad et al., Phys. Rev. D **92** (2015) 032004
- 1256 Measurements of the Total and Differential Higgs Boson Production Cross Sections Combining the $H \rightarrow \gamma\gamma$ and $H \rightarrow ZZ^* \rightarrow 4\ell$ Decay Channels at $\sqrt{s} = 8$ TeV with the ATLAS detector
G Aad et al., Phys. Rev. Lett. **115** (2015) 091801
- 1257 Search for Higgs bosons decaying to aa in the $\mu\mu\tau\tau$ final state in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS experiment
G Aad et al., Phys. Rev. D **92** (2015) 052002
- 1258 Search for production of vector-like quark pairs and of four top quarks in the lepton-plus-jets final state in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
G Aad et al., JHEP **1508** (2015) 105
- 1259 A search for $t\bar{t}$ resonances using lepton-plus-jets events in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
G Aad et al., JHEP **1508** (2015) 148
- 1260 Search for new light gauge bosons in Higgs boson decays to four-lepton final states in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector at the LHC
G Aad et al., Phys. Rev. D **92** (2015) 092001
- 1261 Measurement of differential J/ψ production cross sections and forward-backward ratios in $p + Pb$ collisions with the ATLAS detector
G Aad et al., Phys. Rev. C **92** (2015) 034904
- 1262 Search for Higgs boson pair production in the $b\bar{b}b\bar{b}$ final state from pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
G Aad et al., Eur. Phys. J. C **75** (2015) 412
- 1263 Search for high-mass diboson resonances with boson-tagged jets in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
G Aad et al., JHEP **1512** (2015) 055

- 1264 Search for Dark Matter in Events with Missing Transverse Momentum and a Higgs Boson Decaying to two Photons in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
 G Aad et al., Phys. Rev. Lett. **115** (2015) 131801
- 1265 Search for heavy lepton resonances decaying to a Z boson and a lepton in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
 G Aad et al., JHEP 1509 (2015) 108
- 1266 Search for type-III Seesaw heavy leptons in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
 G Aad et al., Phys. Rev. D **92** (2015) 032001
- 1267 Measurements of the top quark branching ratios into channels with leptons and quarks with the ATLAS detector
 G Aad et al., Phys. Rev. D **92** (2015) 072005
- 1268 Search for metastable heavy charged particles with large ionisation energy loss in pp collisions at $\sqrt{s} = 8$ TeV using the ATLAS experiment
 G Aad et al., Eur. Phys. J. C **75** (2015) 407
- 1269 Modelling $Z \rightarrow \tau\tau$ processes in ATLAS with τ embedded $Z \rightarrow \mu\mu$ data
 G Aad et al., JINST 10 (2015) P09018
- 1270 Measurement of colour flow with the jet pull angle in $t\bar{t}$ events using the ATLAS detector at $\sqrt{s} = 8$ TeV
 G Aad et al., Phys. Lett. B **750** (2015) 475-493
- 1271 Study of the spin and parity of the Higgs boson in diboson decays with the ATLAS detector
 G Aad et al., Eur. Phys. J. C **75** (2015) 476
- 1272 Search for the associated production of the Higgs boson with a top quark pair in multilepton final states with the ATLAS detector
 G Aad et al., Phys. Lett. B **749** (2015) 519-541
- 1273 Search for heavy Majorana neutrinos with the ATLAS detector in pp collisions at $\sqrt{s} = 8$ TeV
 G Aad et al., JHEP 1507 (2015) 162
- 1274 Study of $(W/Z)H$ production and Higgs boson couplings using $H \rightarrow WW^\pm$ decays with the ATLAS detector
 G Aad et al., JHEP 1508 (2015) 137
- 1275 Measurement of exclusive $\gamma\gamma \rightarrow \ell^+\ell^-$ production in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector
 G Aad et al., Phys. Lett. B **749** (2015) 242-261
- 1276 ATLAS Run 1 searches for direct pair production of third-generation squarks at the Large Hadron Collider
 G Aad et al., Eur. Phys. J. C **75** (2015) 510
- 1277 Measurement of the production of neighbouring jets in lead-lead collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector
 G Aad et al., Phys. Lett. B **751** (2015) 376-395
- 1278 Determination of the top-quark pole mass using $t\bar{t} + 1\text{-jet}$ events collected with the ATLAS experiment in 7 TeV pp collisions
 G Aad et al., JHEP 1510 (2015) 121
- 1279 Search for photonic signatures of gauge-mediated supersymmetry in 8 TeV pp collisions with the ATLAS detector
 G Aad et al., Phys. Rev. D **92** (2015) 072001
- 1280 Summary of the searches for squarks and gluinos using $\sqrt{s} = 8$ TeV pp collisions with the ATLAS experiment at the LHC
 G Aad et al., JHEP 1510 (2015) 054
- 1281 Z boson production in $p+\text{Pb}$ collisions at $\sqrt{s_{NN}} = 5.02$ TeV measured with the ATLAS detector
 G Aad et al., Phys. Rev. C **92** (2015) 055915

- 1282 Measurement of of the branching ratio $\Gamma(\Lambda_b^0 \rightarrow \psi(2S)\Lambda^0)/\Gamma(\Lambda_b^0 \rightarrow J/\psi\Lambda^0)$ with the ATLAS detector
 G Aad et al., Phys. Lett. B 751 (2015) 63-80
- 1283 Determination of the ratio of b -quark fragmentation fractions f_s/f_d in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector
 G Aad et al., Phys. Rev. Lett. 115 (2015) 262001
- 1284 Measurement of transverse energy-energy correlations in multi-jet events in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector and determination of the strong coupling constant $\alpha_s(m_Z)$
 G Aad et al., Phys. Lett. B 750 (2015) 427-447
- 1285 Search for lepton-flavour-violating $H \rightarrow \mu\tau$ decays of the Higgs boson with the ATLAS detector
 G Aad et al., JHEP 1511 (2015) 211
- 1286 Summary of the ATLAS experiments sensitivity to supersymmetry after LHC Run 1 – interpreted in the phenomenological MSSM
 G Aad et al., JHEP 1510 (2015) 134
- 1287 Constraints on new phenomena via Higgs boson couplings and invisible decays with the ATLAS detector
 G Aad et al., JHEP 1511 (2015) 206
- 1288 Search for pair production of a new heavy quark that decays into a W boson and a light quark in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
 G Aad et al., Phys. Rev. D 92 (2015) 112007
- 1289 Searches for Higgs boson pair production in the $hh \rightarrow bb\tau\tau, \gamma\gamma WW^*, \gamma\gamma bb, bbbb$ channels with the ATLAS detector
 G Aad et al., Phys. Rev. D 92 (2015) 092004
- 1290 Measurement of of the $t\bar{t}W$ and $t\bar{t}Z$ production cross sections in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
 G Aad et al., JHEP 1511 (2015) 172
- 1291 Search for flavour-changing neutral current top quark decays $t \rightarrow Hq$ in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
 G Aad et al., JHEP 1512 (2015) 061
- 1292 Measurement of four-jet differential cross sections in $\sqrt{s} = 8$ TeV proton-proton collisions using the ATLAS detector
 G Aad et al., JHEP 1512 (2015) 105
- 1293 Search for massive supersymmetric particles decaying to many jets using the ATLAS detector in pp collisions at $\sqrt{s} = 8$ TeV
 G Aad et al., Phys. Rev. D 91 (2015) 112016,
 Erratum: Phys. Rev. D 93 (2016) 039901
- 1294 Study of the spin and parity of the Higgs boson in diboson decays with the ATLAS detector
 G Aad et al., Eur. Phys. J. C 75 (2015) 476,
 Erratum: Eur. Phys. J. C 76 (2016) 152
- 1295 Centrality, rapidity and transverse momentum dependence of isolated prompt photon production in lead-lead collisions at $\sqrt{s_{NN}} = 2.76$ TeV measured with the ATLAS detector
 G Aad et al., Phys. Rev. C 93 (2016) 034914
- 1296 Measurements of of the Higgs boson production and decay rates and coupling strengths using pp collision data at $\sqrt{s} = 7$ and 8 TeV in the ATLAS experiment
 G Aad et al., Eur. Phys. J. C 76 (2016) 6
- 1297 Search for an additional, heavy Higgs boson in the $H \rightarrow ZZ$ decay channel at $\sqrt{s} = 8$ TeV in pp collision data with the ATLAS detector
 G Aad et al., Eur. Phys. J. C 76 (2016) 45
- 1298 Study of the $B_c^+ \rightarrow J/\psi D_s^+$ and $B_c^+ \rightarrow J/\psi D_s^{*+}$ decays with the ATLAS detector
 G Aad et al., Eur. Phys. J. C 76 (2016) 4

- 1299 Measurement of the centrality dependence of the charged-particle pseudorapidity distribution in proton-lead collisions at $\sqrt{s_{NN}} = 5.02$ TeV with the ATLAS detector
 G Aad et al., Eur. Phys. J. C 76 (2016)
- 1300 Constraints on non-Standard Model Higgs boson interactions in an effective Lagrangian using differential cross sections measured in the $H \rightarrow \gamma\gamma$ decay channel at $\sqrt{s} = 8$ TeV with the ATLAS detector
 G Aad et al., Phys. Lett. B 753 (2016) 69-85
- 1301 Searches for scalar leptoquarks in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
 G Aad et al., Eur. Phys. J. C 76 (2016) 5
- 1302 Search for flavour-changing neutral current top-quark decays to qZ in pp collision data collected with the ATLAS detector at $\sqrt{s} = 8$ TeV
 G Aad et al., Eur. Phys. J. C 76 (2016) 12
- 1303 Measurement of fiducial cross-sections for $t\bar{t}$ production with one or two additional b-jets in pp collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector
 G Aad et al., Eur. Phys. J. C 76 (2016) 11
- 1304 Search for invisible decays of a Higgs boson using vector-boson fusion in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
 G Aad et al., JHEP 1601 (2016) 172
- 1305 Search for single top-quark production via flavour-changing neutral currents at 8 TeV with the ATLAS detector
 G Aad et al., Eur. Phys. J. C 76 (2016) 55
 Erratum, Eur. Phys. J. C 82 (2022) 70
- 1306 Search for a high-mass Higgs boson decaying to a W boson pair in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
 G Aad et al., JHEP 1601 (2016) 032
- 1307 Measurement of the charge asymmetry in top-quark pair production in the lepton-plus-jets final state in pp collision data at $\sqrt{s} = 8$ TeV with the ATLAS detector
 G Aad et al., Eur. Phys. J. C 76 (2016) 87
- 1308 Observation of long-range elliptic azimuthal anisotropies in $\sqrt{s} = 13$ TeV and 2.76 TeV pp collisions with the ATLAS detector
 G Aad et al., Phys. Rev. Lett. 116 (2016) 172301
- 1309 A new method to distinguish hadronically decaying boosted Z bosons from W bosons using the ATLAS detector
 G Aad et al., Eur. Phys. J. C 76 (2016) 238
- 1310 Search for direct top squark pair production in final states with two tau leptons in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
 G Aad et al., Eur. Phys. J. C 76 (2016) 81
- 1311 Search for new phenomena in events with at least three photons collected in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
 G Aad et al., Eur. Phys. J. C 76 (2016) 210
- 1312 Measurement of jet charge in dijet events from $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector
 G Aad et al., Phys. Rev. D 93 (2016) 052003
- 1313 Search for the electroweak production of supersymmetric particles in $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector
 G Aad et al., Phys. Rev. D 93 (2016) 052002
- 1314 Measurements of four-lepton production in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
 G Aad et al., Phys. Lett. B 753 (2016) 552-572
- 1315 Search for magnetic monopoles and stable particles with high electric charges in 8 TeV pp collisions with the ATLAS detector
 G Aad et al., Phys. Rev. D 93 (2016) 052009

- 1316 Search for the production of single vector-like and excited quarks in the Wt final state in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
 G Aad et al., JHEP 1602 (2016) 110
- 1317 Measurement of the production cross-section of a single top quark in association with a W boson at 8 TeV with the ATLAS experiment
 G Aad et al., JHEP 1601 (2016) 064
- 1318 Search for anomalous couplings in the Wtb vertex from the measurement of double differential angular decay rates of single top quarks produced in the t -channel with the ATLAS detector
 G Aad et al JHEP 1604 (2016) 023
- 1319 Measurement of the differential cross-section of highly boosted top quarks as a function of their transverse momentum in $\sqrt{s} = 8$ TeV proton-proton collisions using the ATLAS detector
 G Aad et al., Phys. Rev. D **93** (2016) 032009
- 1320 Performance of pile-up mitigation techniques for jets in pp collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector
 G Aad et al Eur. Phys. J. C 76 (2016) 581
- 1321 Identification of boosted, hadronically decaying W bosons and comparisons with ATLAS data taken at $\sqrt{s} = 8$ TeV
 G Aad et al., Eur. Phys. J. C 76 (2016) 154
- 1322 Search for dark matter produced in association with a Higgs boson decaying to two bottom quarks in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
 G Aad et al., Phys. Rev. D **93** (2016) 072007
- 1323 Measurement of the correlations between the polar angles of leptons from top quark decays in the helicity basis at $\sqrt{s} = 7$ TeV using the ATLAS detector
 G Aad et al., Phys. Rev. D **93** (2016) 012002
- 1324 Dijet production in $\sqrt{s} = 7$ TeV pp collisions with large rapidity gaps at the ATLAS experiment
 G Aad et al., Phys. Lett. B 754 (2016) 214-234
- 1325 Measurements of top-quark pair differential cross-sections in the lepton+jets channel in pp collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector
 G Aad et al., Eur. Phys. J. C 76 (2016) 538
- 1326 A search for prompt lepton-jets in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
 G Aad et al., JHEP 1602 (2016) 062
- 1327 Evidence for single top-quark production in the s -channel in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector using the Matrix Element method
 G Aad et al., Phys. Lett. B 756 (2016) 228-246
- 1328 Search for the Standard Model Higgs boson produced in association with a vector boson and decaying into a tau pair in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
 G Aad et al., Phys. Rev. D **93** (2016) 092005
- 1329 Measurement of the dependence of transverse energy production at large pseudorapidity on the hard-scattering kinematics of proton-proton collisions at $\sqrt{s_{NN}} = 2.76$ TeV with ATLAS
 G Aad et al., Phys. Lett. B 756 (2016) 10-28
- 1330 Performance of b -jet identification in the ATLAS Experiment
 G Aad et al., JINST 11 (2016) P04008
- 1331 Search for new phenomena in dijet mass and angular distributions from pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., Phys. Lett. B 754 (2016) 302-322
- 1332 Measurement of the transverse momentum and ϕ_η^* distributions of Drell-Yan lepton pairs in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
 G Aad et al., Eur. Phys. J. C 76 (2016) 291

- 1333 Search for strong gravity in multijet final states produced in pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector at the LHC
 G Aad et al., JHEP 1603 (2016) 026
- 1334 Measurement of $*^\pm$, D^\pm and D_s^\pm meson production cross sections in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector
 G Aad et al., Nucl. Phys. B907 (2016) 717-763
- 1335 Measurement of the differential cross-sections of prompt and non-prompt production of J/ψ and $\psi(2S)$ in pp collisions at $\sqrt{s} = 7$ TeV and 8 TeV with the ATLAS detector
 G Aad et al., Eur. Phys. J. C 76 (2016) 283
- 1336 Search for charged Higgs bosons in the $H^\pm \rightarrow tb$ decay channel in pp collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector
 G Aad et al., JHEP 1603 (2016) 127
- 1337 Combination of searches for WW , WZ , and ZZ resonances in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
 G Aad et al., Phys. Lett. B 755 (2016) 285-305
- 1338 Measurement of the ZZ production cross section in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., Phys. Rev. Lett. 116 (2016) 101801
- 1339 Search for new phenomena with photon+jet events in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., JHEP 1603 (2016) 041
- 1340 Reconstruction of hadronic decay products of tau leptons with the ATLAS experiment
 G Aad et al., Eur. Phys. J. C 76 (2016) 295
- 1341 Measurement of the charge asymmetry in highly boosted top-quark pair production in $\sqrt{s} = 8$ TeV pp collision data collected by the ATLAS experiment
 G Aad et al., Phys. Lett. B 756 (2016) 52-71
- 1342 Measurement of the CP-violating phase ψ_s and the B_s^0 meson decay width difference with $B_s^0 \rightarrow J/\psi\phi$ decays in ATLAS
 G Aad et al., JHEP 1608 (2016) 147
- 1343 Probing lepton flavour violation via neutrinoless $\tau \rightarrow 3\mu$ decays with the ATLAS detector
 G Aad et al., Eur. Phys. J. C 76 (2016) 232
- 1344 A search for an excited muon decaying to a muon and two jets in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
 G Aad et al., New J. Phys. 18 (2016) 073021, Erratum: New J.Phys. 21 (2019) 109501
- 1345 A search for top squarks with R-parity-violating decays to all-hadronic final states with the ATLAS detector in $\sqrt{s} = 8$ TeV pp collisions
 G Aad et al., JHEP 1606 (2016) 067
- 1346 Measurement of the charged-particle multiplicity inside jets from $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector
 G Aad et al., Eur. Phys. J. C 76 (2016) 322
- 1347 Charged-particle distributions in $\sqrt{s} = 13$ TeV pp collisions measured with the ATLAS detector at the LHC
 G Aad et al., Phys. Lett. B 758 (2016) 67-88
- 1348 Test of CP Invariance in vector-boson fusion production of the Higgs boson using the Optimal Observable method in the ditau decay channel with the ATLAS detector
 G Aad et al., Eur. Phys. J. C 76 (2016) 658
- 1349 Search for single production of vector-like quarks decaying into Wb in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
 G Aad et al Eur. Phys. J. C 76 (2016) 442

- 1350 Search for single production of a vector-like quark via a heavy gluon in the 4*b* final state with the ATLAS detector in *pp* collisions at $\sqrt{s} = 8$ TeV
 G Aad et al., Phys. Lett. B 758 (2016) 249-268
- 1351 Search for new phenomena in final states with large jet multiplicities and missing transverse momentum with ATLAS using $\sqrt{s} = 13$ TeV proton-proton collisions
 G Aad et al., Phys. Lett. B 757 (2016) 334-355
- 1352 Measurement of event-shape observables in $Z \rightarrow \ell^+\ell^-$ events in *pp* collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector at the LHC
 G Aad et al., Eur. Phys. J. C 76 (2016) 375
- 1353 Search for supersymmetry at $\sqrt{s} = 13$ TeV in final states with jets and two same-sign leptons or three leptons with the ATLAS detector
 G Aad et al. Eur. Phys. J. C 76 (2016) 259
- 1354 Measurement of total and differential W^+W^- production cross sections in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector and limits on anomalous triple-gauge-boson couplings
 G Aad et al., JHEP 1609 (2016) 029
- 1355 Measurements of $W^\pm Z$ production cross sections in *pp* collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector and limits on anomalous gauge boson self-couplings
 G Aad et al., Phys. Rev. D 93 (2016) 092004
- 1356 Charged-particle distributions in *pp* interactions at $\sqrt{s} = 8$ TeV measured with the ATLAS detector
 G Aad et al., Eur. Phys. J. C 76 (2016) 403
- 1357 Identification of high transverse momentum top quarks in *pp* collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
 G Aad et al., JHEP 1606 (2016) 093
- 1358 Muon reconstruction performance of the ATLAS detector in proton-proton collision data at $\sqrt{s} = 13$ TeV
 G Aad et al., Eur. Phys. J. C 76 (2016) 292
- 1359 Search for resonances in the mass distribution of jet pairs with one or two jets identified as *b*-jets in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 M Aaboud et al., Phys. Lett. B 759 (2016) 229-246
- 1360 Beam-induced and cosmic-ray backgrounds observed in the ATLAS detector during the LHC 2012 proton-proton running period
 G Aad et al., JINST 11 (2016) P05013
- 1361 Search for charged Higgs bosons produced in association with a top quark and decaying via $H^\pm \rightarrow \tau\nu$ using *pp* collision data recorded at $\sqrt{s} = 13$ TeV by the ATLAS detector
 M Aaboud et al., Phys. Lett. B 759 (2016) 555-574
- 1362 Measurement of W^\pm and Z -boson production cross sections in *pp* collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., Phys. Lett. B 759 (2016) 601-621
- 1363 Search for new phenomena in events with a photon and missing transverse momentum in *pp* collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 M Aaboud et al., JHEP 1606 (2016) 059
- 1364 Measurement of fiducial differential cross sections of gluon-fusion production of Higgs bosons decaying to $WW^* \rightarrow \mu\nu e\nu$ with the ATLAS detector at $\sqrt{s} = 8$ TeV
 G Aad et al., JHEP 1608 (2016) 104
- 1365 Search for the Standard Model Higgs boson decaying into $b\bar{b}$ produced in association with top quarks decaying hadronically in *pp* collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
 G Aad et al., JHEP 1605 (2016) 160
- 1366 Study of the rare decays of B_s^0 and B^0 into muon pairs from data collected during the LHC Run 1 with the ATLAS detector
 M Aaboud et al., Eur. Phys. J. C 76 (2016) 513

- 1367 Search for metastable heavy charged particles with large ionization energy loss in pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS experiment
 M Aaboud et al., Phys. Rev. **D** **93** (2016) 112015
- 1368 Measurements of $Z\gamma$ and $Z\gamma\gamma$ production in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
 G Aad et al., Phys. Rev. **D** **93** (2016) 112002
- 1369 Measurements of the charge asymmetry in top-quark pair production in the dilepton final state at $\sqrt{s} = 8$ TeV with the ATLAS detector
 G Aad et al., Phys. Rev. **D** **94** (2016) 032006
- 1370 Search for new phenomena in final states with an energetic et and large missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector
 M Aaboud et al., Phys. Rev. **D** **94** (2016) 032005
- 1371 Measurement of the inclusive isolated prompt photon cross section in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
 G Aad et al., JHEP 1608 (2016) 005
- 1372 Search for squarks and gluinos in final states with jets and missing transverse momentum at $\sqrt{s} = 13$ TeV with the ATLAS detector
 M Aaboud et al., Eur. Phys. J. C **76** (2016) 392
- 1373 Search for gluinos in events with an isolated lepton, jets and missing transverse momentum at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., Eur. Phys. J. C **76** (2016) 565
- 1374 Search for scalar leptoquarks in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS experiment
 M Aaboud et al., New J. Phys. **18** (2016) 093016
- 1375 Transverse momentum, rapidity, and centrality dependence of inclusive charged-particle production in $\sqrt{s_{NN}} = 5.02$ TeV $p+Pb$ collisions measured by the ATLAS experiment
 G Aad et al., Phys. Lett. B **763** (2016) 313-336
- 1376 Measurement of the relative width difference of the $B^0 - \bar{B}^0$ system with the ATLAS detector
 M Aaboud et al., JHEP 1606 (2016) 081
- 1377 Search for pair production of gluinos decaying via stop and sbottom in events with b -jets and large missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., Phys. Rev. **D** **94** (2016) 032003
- 1378 Measurement of the angular coefficients in Z -boson events using electron and muon pairs from data taken at $\sqrt{s} = 8$ TeV with the ATLAS detector
 G Aad et al., JHEP 1608 (2016) 159
- 1379 Charged-particle distributions at low transverse momentum in $\sqrt{s} = 13$ TeV pp interactions measured with the ATLAS detector at the LHC
 M Aaboud et al., Eur. Phys. J. C **76** (2016) 502
- 1380 Measurement of the double-differential high-mass Drell-Yan cross section in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
 G Aad et al., JHEP 1608 (2016) 009
- 1381 Measurement of the photon identification efficiencies with the ATLAS detector using LHC Run-1 data
 M Aaboud et al., Eur. Phys. J. C **76** (2016) 666
- 1382 Measurement of the top quark mass in the $t\bar{t} \rightarrow$ dilepton channel from $\sqrt{s} = 8$ TeV ATLAS data
 M Aaboud et al., Phys. Lett. B **761** (2016) 350-371
- 1383 Search for the Standard Model Higgs boson produced by vector-boson fusion and decaying to bottom quarks in $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector
 M Aaboud et al., JHEP 1611 (2016) 112
- 1384 Search for TeV-scale gravity signatures in high-mass final states with leptons and jets with the ATLAS detector at $\sqrt{s} = 13$ TeV
 M Aaboud et al., Phys. Lett. B **760** (2016) 520-537

- 1385 Measurements of of the Higgs boson production and decay rates and constraints on its couplings from a combined ATLAS and CMS analysis of the LHC pp collision data at $\sqrt{s} = 7$ TeV and 8 TeV
 ATLAS and CMS Collaborations, G Aad et al., JHEP 1608 (2016) 045
- 1386 Measurement of the inelastic proton-proton cross section at $\sqrt{s} = 13$ TeV with the ATLAS detector at the LHC
 M Aaboud et al., Phys. Rev. Lett. 117 (2016) 182002
- 1387 Measurement of the $t\bar{t}$ production cross-section using e events with b-tagged jets in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 M Aaboud et al., Phys. Lett. B 761 (2016) 136-157
- 1388 Search for resonances in diphoton events at $\sqrt{s} = 13$ TeV with the ATLAS detector
 M Aaboud et al., JHEP 1609 (2016) 001
- 1389 Search for top squarks in final states with one isolated lepton, jets, and missing transverse momentum in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector
 M Aaboud et al., Phys. Rev. D 94 (2016) 052009
- 1390 Search for new resonances in events with one lepton and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 M Aaboud et al., Phys. Lett. B 762 (2016) 334-352
- 1391 Measurement of the $W^\pm Z$ boson pair-production cross section in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 M Aaboud et al., Phys. Lett. B 762 (2016) 1-22
- 1392 Search for pair production of Higgs bosons in the $b\bar{b}b\bar{b}$ final state using proton–proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 M Aaboud et al., Phys. Rev. D 94 (2016) 052002
- 1393 Searches for heavy diboson resonances in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 M Aaboud et al., JHEP 1609 (2016) 173
- 1394 Search for heavy long-lived charged R-hadrons with the ATLAS detector in 3.2 fb^{-1} of proton-proton collision data at $\sqrt{s} = 13$ TeV
 M Aaboud et al., Phys. Lett. B 760 (2016) 647-665
- 1395 The performance of the jet trigger for the ATLAS detector during 2011 data taking
 G Aad et al., Eur. Phys. J. C 76 (2016) 526
- 1396 Search for the Higgs boson produced in association with a W boson and decaying to four b-quarks via two spin-zero particles in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 M Aaboud et al., Eur. Phys. J. C 76 (2016) 605
- 1397 Search for bottom squark pair production in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 M Aaboud et al., Eur. Phys. J. C 76 (2016) 547
- 1398 Search for supersymmetry in a final state containing two photons and missing transverse momentum in $\sqrt{s} = 13$ TeV pp collisions at the LHC using the ATLAS detector
 M Aaboud et al., Eur. Phys. J. C 76 (2016) 517
- 1399 Measurement of jet activity in top quark events using the $e\mu$ final state with two b -tagged jets in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
 M Aaboud et al., JHEP 1609 (2016) 074
- 1400 Search for Higgs and Z boson decays to $\phi\gamma$ with the ATLAS detector
 M Aaboud et al., Phys. Rev. Lett. 117 (2016) 111802
- 1401 Search for high-mass new phenomena in the dilepton final state using proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 M Aaboud et al., Phys. Lett. B 761 (2016) 372-392

- 1402 Measurement of exclusive $\gamma\gamma \rightarrow W^+W^-$ production and search for exclusive Higgs boson production in pp collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector
 M Aaboud et al., Phys. Rev. D **94** (2016) 032011
- 1403 Search for squarks and gluinos in events with hadronically decaying tau leptons, jets and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV recorded with the ATLAS detector
 M Aaboud et al., Eur. Phys. J. C **76** (2016) 683
- 1404 Measurement of the total cross section from elastic scattering in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
 M Aaboud et al., Phys. Lett. B **761** (2016) 158-178
- 1405 Measurement of top quark pair differential cross-sections in the dilepton channel in pp collisions at $\sqrt{s} = 7$ TeV and 8 TeV with ATLAS
 M Aaboud et al., Phys. Rev. D **94** (2016) 092003
 Addendum: Phys. Rev. D **101** (2020) 119901
- 1406 Search for new phenomena in different-flavour high-mass dilepton final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 M Aaboud et al., Eur. Phys. J. C **76** (2016) 541
- 1407 Measurement of the $b\bar{b}$ dijet cross section in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector
 M Aaboud et al., Eur. Phys. J. C **76** (2016) 670
- 1408 Dark matter interpretations of ATLAS searches for the electroweak production of supersymmetric particles in $\sqrt{s} = 8$ TeV proton-proton collisions
 M Aaboud et al., JHEP **1609** (2016) 175
- 1409 Search for Minimal Supersymmetric Standard Model Higgs bosons H/A and for a Z' boson in the $\tau\tau$ final state produced in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 M Aaboud et al., Eur. Phys. J. C **76** (2016) 585
- 1410 Study of hard double-parton scattering in four-jet events in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS experiment
 M Aaboud et al., JHEP **1611** (2016) 110
- 1411 Search for dark matter produced in association with a hadronically decaying vector boson in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 M Aaboud et al., Phys. Lett. B **763** (2016) 251-268
- 1412 Measurement of W^+W^- production in association with one jet in proton–proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
 M Aaboud et al., Phys. Lett. B **763** (2016) 114-133
- 1413 Luminosity determination in pp collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector at the LHC
 M Aaboud et al., Eur. Phys. J. C **76** (2016) 653
- 1414 A measurement of material in the ATLAS tracker using secondary hadronic interactions in 7 TeV pp collisions
 M Aaboud et al., JINST **11** (2016) P11020
- 1415 Topological cell clustering in the ATLAS calorimeters and its performance in LHC Run 1
 M Aaboud et al., Eur. Phys. J. C **77** (2017) 490
- 1416 Search for lepton-flavour-violating decays of the Higgs and Z bosons with the ATLAS detector
 M Aaboud et al., Eur. Phys. J. C **77** (2017) 70
- 1417 Measurement of the $t\bar{t}$ production cross-section using $e\mu$ events with b -tagged jets in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 M Aaboud et al., Phys. Lett. B **761** (2017) 136-157
 Erratum, Phys. Lett. B **772** (2017) 879
- 1418 Measurement of forward-backward multiplicity correlations in lead-lead, proton-lead, and proton-proton collisions with the ATLAS detector
 M Aaboud et al., Phys. Rev. C **95** (2017) 064914

- 1419 Search for new resonances decaying to a W or Z boson and a Higgs boson in the $\ell^+\ell^-b\bar{b}$, $\ell\nu b\bar{b}$, and $\nu\bar{\nu}b\bar{b}$ channels with pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
M Aaboud et al., Phys. Lett. B 765 (2017) 32-52
- 1420 Search for heavy resonances decaying to a Z boson and a photon in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
M Aaboud et al., Phys. Lett. B 764 (2017) 11-30
- 1421 A measurement of the calorimeter response to single hadrons and determination of the jet energy scale uncertainty using LHC Run-1 pp -collision data with the ATLAS detector
M Aaboud et al., Eur. Phys. J. C 77 (2017) 26
- 1422 Measurement of the $t\bar{t}Z$ and $t\bar{t}W$ production cross sections in multilepton final states using 3.2 fb^{-1} of pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
M Aaboud et al., Eur. Phys. J. C 77 (2017) 40
- 1423 Measurement of the inclusive cross-sections of single top-quark and top-antiquark t-channel production in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
M Aaboud et al., JHEP 1704 (2017) 086
- 1424 Search for dark matter in association with a Higgs boson decaying to b -quarks in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
M Aaboud et al., Phys. Lett. B 765 (2017) 11-31
- 1425 Search for anomalous electroweak production of WW/WZ in association with a high-mass dijet system in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
M Aaboud et al., Phys. Rev. D 95 (2017) 032001
- 1426 Measurements of long-range azimuthal anisotropies and associated Fourier coefficients for pp collisions at $\sqrt{s}=5.02$ and 13 TeV and $p+Pb$ collisions at $\sqrt{s_{NN}} = 5.02$ TeV with the ATLAS detector
M Aaboud et al., Phys. Rev. C 96 (2017) 024908
- 1427 Measurement of W boson angular distributions in events with high transverse momentum jets at $\sqrt{s} = 8$ TeV using the ATLAS detector
M Aaboud et al., Phys. Lett. B 765 (2017) 132-153
- 1428 Search for triboson $W^\pm W^\pm W^\mp$ production in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
M Aaboud et al., Eur. Phys. J. C 77 (2017) 141
- 1429 Performance of algorithms that reconstruct missing transverse momentum in $\sqrt{s} = 8$ TeV proton-proton collisions in the ATLAS detector
M Aaboud et al., Eur. Phys. J. C 77 (2017) 241
- 1430 Measurement of the ZZ production cross section in proton-proton collisions at $\sqrt{s} = 8$ TeV using the $ZZ \rightarrow \ell^-\ell^+\ell^-\ell^+$ and $ZZ \rightarrow \ell^-\ell^+\nu\bar{\nu}$ channels with the ATLAS detector
M Aaboud et al., JHEP 1701 (2017) 099
- 1431 Measurements of charge and CP asymmetries in b -hadron decays using top-quark events collected by the ATLAS detector in pp collisions at $\sqrt{s} = 8$ TeV
M Aaboud et al., JHEP 1702 (2017) 071
- 1432 Measurement of $\psi(2S)$ and $X(3872) \rightarrow J/\psi\pi^+\pi^-$ production in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
M Aaboud et al., JHEP 1701 (2017) 117
- 1433 Measurement of jet activity produced in top-quark events with an electron, a muon and two b -tagged jets in the final state in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
M Aaboud et al., Eur. Phys. J. C 77 (2017) 220
- 1434 Measurement of $W^\pm W^\pm$ vector-boson scattering and limits on anomalous quartic gauge couplings with the ATLAS detector
M Aaboud et al., Phys. Rev. D 96 (2017) 012007
- 1435 Search for new phenomena in events containing a same-flavour opposite-sign dilepton pair, jets, and large missing transverse momentum in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector
M Aaboud et al., Eur. Phys. J. C 77 (2017) 144

- 1436 High- E_T isolated-photon plus jets production in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
M Aaboud et al., Nucl. Phys. J. B 918 (2017) 256-316
- 1437 Performance of the ATLAS Trigger System in 2015
M Aaboud et al., Eur. Phys. J. C 77 (2017) 317
- 1438 Reconstruction of primary vertices at the ATLAS experiment in Run 1 proton–proton collisions at the LHC
M Aaboud et al., Eur. Phys. J. C 77 (2017) 332
- 1439 Electron efficiency measurements with the ATLAS detector using 2012 LHC proton–proton collision data
M Aaboud et al., Eur. Phys. J. C 77 (2017) 195
- 1440 Measurement of the W boson polarisation in $t\bar{t}$ events from pp collisions at $\sqrt{s} = 8$ TeV in the lepton + jets channel with ATLAS
M Aaboud et al., Eur. Phys. J. C 77 (2017) 264
Erratum: Eur. Phys. J. C79 (2019) 19
- 1441 Measurement of the prompt J/ψ pair production cross-section in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
M Aaboud et al., Eur. Phys. J. C 77 (2017) 76
- 1442 Precision measurement and interpretation of inclusive W^+ , W^- , and Z/γ^* production cross sections with the ATLAS detector
M Aaboud et al., Eur. Phys. J. C 77 (2017) 367
- 1443 Measurement of top-quark pair to Z -boson cross-section ratios at $\sqrt{s} = 13, 8, 7$ TeV with the ATLAS detector
M Aaboud et al., JHEP 1702 (2017) 117
- 1444 Measurements of top-quark pair differential cross-sections in the $e\mu$ channel in pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector
M Aaboud et al., Eur. Phys. J. C 77 (2017) 292
- 1445 Measurement of top quark spin observables in $t\bar{t}$ events using dilepton final states in $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector
M Aaboud et al., JHEP 1703 (2017) 113
- 1446 Measurement of charged-particle distributions sensitive to the underlying event in $\sqrt{s} = 13$ TeV proton–proton collisions with the ATLAS detector at the LHC
M Aaboud et al., JHEP 1703 (2017) 157
- 1447 Measurement of the cross section for inclusive isolated-photon production in pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector
M Aaboud et al., Phys. Lett. B 770 (2017) 473-493
- 1448 Measurement of jet fragmentation in Pb+Pb and pp collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector at the LHC
M Aaboud et al., Eur. Phys. J. C 77 (2017) 379
- 1449 Evidence for light-by-light scattering in heavy-ion collisions with the ATLAS detector at the LHC
M Aaboud et al., Nature Phys 13 (2017) 852-858
- 1450 Fiducial, total and differential cross-section measurements of t -channel single top-quark production in pp collisions at 8 TeV using data collected by the ATLAS detector
M Aaboud et al., Eur. Phys. J. C 77 (2017) 531
- 1451 Measurement of the W^+W_- production cross section in pp collisions at a centre-of-mass energy of $\sqrt{s} = 13$ TeV with the ATLAS experiment
M Aaboud et al., Phys. Lett. B 773 (2017) 354-374
- 1452 Measurements of the production cross section of a ZZ boson in association with jets in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
M Aaboud et al., Eur. Phys. J. C 77 (2017) 361

- 1453 Performance of the ATLAS Transition Radiation Tracker in Run 1 of the LHC: tracker properties
M Aaboud et al., JINST 12 (2017) P05002
- 1454 Top-quark mass measurement in the all-hadronic $t\bar{t}$ decay channel at $\sqrt{s} = 8$ TeV with the ATLAS detector
M Aaboud et al., JHEP 1709 (2017) 118
- 1455 Probing the $W tb$ vertex structure in t -channel single-top-quark production and decay in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
M Aaboud et al., JHEP 1704 (2017) 124
- 1456 Measurement of the $t\bar{t}$ production cross section in the $\tau + \text{jets}$ final state in pp collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector
M Aaboud et al., Phys. Rev. D 95 (2017) 072003
- 1457 Measurement of electroweak Wjj production and constraints on anomalous gauge couplings with the ATLAS detector
M Aaboud et al., Eur. Phys. J. C 77 (2017) 474
- 1458 Search for new phenomena in dijet events using 37 fb^{-1} of pp collisions collision data collected at $\sqrt{s} = 13$ TeV with the ATLAS detector
M Aaboud et al., Phys. Rev. D 95 (2017) 052004
- 1459 Jet energy scale measurements and their systematic uncertainties in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
M Aaboud et al., Phys. Rev. D 95 (2017) 072002
- 1460 Jet reconstruction and performance using particle flow with the ATLAS detector
M Aaboud et al., Eur. Phys. J. C 77 (2017) 466
- 1461 Measurement of the k_T splitting scales in $Z \rightarrow \ell\ell$ events in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
M Aaboud et al., JHEP 1708 (2017) 026
- 1462 Femtoscopy with identified charged pions in proton-lead collisions at $\sqrt{s_{NN}} = 5.02$ TeV with ATLAS
M Aaboud et al., Phys. Rev. C 96 (2017) 064908
- 1463 Measurements of integrated and differential cross sections for isolated photon pair production in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
M Aaboud et al., Phys. Rev. D 95 (2017) 112005
- 1464 Search for dark matter at $\sqrt{s} = 13$ TeV in final states containing an energetic photon and large missing transverse momentum with the ATLAS detector
M Aaboud et al., Eur. Phys. J. C 77 (2017) 393
- 1465 Performance of the ATLAS track reconstruction algorithms in dense environments in LHC Run 2
M Aaboud et al., Eur. Phys. J. C 77 (2017) 673
- 1466 Search for new phenomena in a lepton plus high jet multiplicity final state with the ATLAS experiment using $\sqrt{s} = 13$ TeV proton-proton collision data
M Aaboud et al., JHEP 1709 (2017) 088
- 1467 Studies of $Z\gamma$ production in association with a high-mass dijet system in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
M Aaboud et al., JHEP 1707 (2017) 107
- 1468 Identification and rejection of pile-up jets at high pseudorapidity with the ATLAS detector
M Aaboud et al., Eur. Phys. J. C 77 (2017) 580
Erratum Eur. Phys. J. C 77 (2017) 712
- 1469 Measurement of b -hadron pair production with the ATLAS detector in proton-proton collisions at $\sqrt{s} = 8$ TeV
M Aaboud et al., JHEP 1711 (2017) 062

- 1470 Measurement of of multip-particle azimuthal correlations in pp , $p+\text{Pb}$ and low-multiplicity Pb-Pb collision with the ATLAS detector
M Aaboud et al., Eur. Phys. J. C 77 (2017) 428
- 1471 Search for the dimuon decay of the Higgs boson in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector
M Aaboud et al., Phys. Rev. Lett. 119 (2017) 051802
- 1472 Search for pair production of vector-like top quarks in events with one lepton, jets, and missing transverse momentum in $\sqrt{s} = 13 \text{ TeV}$ pp collisions with the ATLAS detector
M Aaboud et al., JHEP 1708 (2017) 052
- 1473 Measurement of of $WW/WZ \rightarrow \ell\nu qq'$ production with the hadronically decaying boson reconstructed as one or two jets in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ with ATLAS, and constraints on anomalous gauge couplings
M Aaboud et al., Eur. Phys. J. C 77 (2017) 563
- 1474 Measurement of the $t\bar{t}\gamma$ production cross section in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector
M Aaboud et al., JHEP 1711 (2017) 086
- 1475 Measurement of the inclusive jet cross-sections in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector
M Aaboud et al., JHEP 1709 (2017) 020
- 1476 Search for supersymmetry in final states with two same-sign or three leptons and jets using 36 fb^{-1} of $\sqrt{s} = 13 \text{ TeV}$ pp collision data with the ATLAS detector
M Aaboud et al., JHEP 1709 (2017) 084, Erratum: JHEP 1908 (2019) 121
- 1477 Search for for dark matter in association with a Higgs boson decaying to two photons at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector
M Aaboud et al., Phys. Rev. D 96 (2017) 112004
- 1478 Search for direct top squark pair production in events with a Higgs or Z boson, and missing transverse momentum in $\sqrt{s} = 13 \text{ TeV}$ pp collisions with the ATLAS detector
M Aaboud et al., JHEP 1708 (2017) 006
- 1479 Measurement of jet p_T correlations in Ph+Pb collisions and pp collisions at $\sqrt{s_{NN}} = 2.76 \text{ TeV}$ with the ATLAS detector
M Aaboud et al., Phys. Lett. B 774 (2017) 379-402
- 1480 Search for dark matter produced in association with a Higgs boson decaying to $b\bar{b}$ using 36 fb^{-1} of pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector
M Aaboud et al., Phys. Rev. Lett. 119 (2016) 181804
- 1481 Search for top quark decays $t \rightarrow qH$, with $H \rightarrow \gamma\gamma$, in $\sqrt{s} = 13 \text{ TeV}$ pp collisions using the ATLAS detector
M Aaboud et al., JHEP 1710 (2017) 129
- 1482 Search for new high-mass phenomena in the dilepton final state using 36 fb^{-1} of proton-proton collision data at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector
M Aaboud et al., JHEP 1710 (2017) 182
- 1483 Determination of the strong coupling constant $\alpha(S)$ from transverse energy-energy correlations in multijet events at $\sqrt{s} = 8 \text{ TeV}$ using the ATLAS detector
M Aaboud et al., Eur. Phys. J. C 77 (2017) 872
- 1484 Study of the material of the ATLAS inner detector for Run 2 of the LHC
M Aaboud et al., JINST 12 (2017) P12009
- 1485 Measurement of detector-corrected observables sensitive to the anomalous production of events with jets and large missing transverse momentum in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ using the ATLAS detector
M Aaboud et al., Eur. Phys. J. C 77 (2017) 765
- 1486 Search for pair production of heavy vector-like quarks decaying to high- $p_T W$ bosons and b quarks in the lepton-plus-jets final state in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector
M Aaboud et al., JHEP 1710 (2017) 141

- 1487 Search for new phenomena in high-mass diphoton final states using 37 fb^{-1} of proton-proton collisions collected at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector
M Aaboud et al., Phys. Lett. B 775 (2017) 105-125
- 1488 Analysis of the Wtb vertex from the measurement of triple-differential angular decay rates of single top quarks produced in the t -channel at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector
M Aaboud et al., JHEP 1712 (2017) 017
- 1489 Study of $WW\gamma$ and $WZ\gamma$ production in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ and search for anomalous quartic gauge couplings with the ATLAS experiment
M Aaboud et al., Eur. Phys. J. C 77 (2017) 646
- 1490 Search for heavy Higgs bosons A/H decaying to a top quark pair in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector
M Aaboud et al., Phys. Rev. Lett. 119 (2017) 191803
- 1491 Search for heavy resonances decaying to a WW or ZZ boson and a Higgs boson in the $q\bar{q}^{(\prime)}b\bar{b}$ final state in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector
M Aaboud et al., Phys. Lett. B 774 (2017) 494-515
- 1492 Searches for the $Z\gamma$ decay mode of the Higgs boson and for new high-mass resonances in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector
M Aaboud et al., JHEP 1710 (2017) 112
- 1493 Measurements of top-quark pair differential cross-sections in the lepton+jets channel in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ using the ATLAS detector
M Aaboud et al., JHEP 1711 (2017) 191
- 1494 Search for new phenomena with large jet multiplicities and missing transverse momentum using large-radius jets and flavour-tagging at ATLAS in $\sqrt{s} = 13 \text{ TeV}$ pp collisions
M Aaboud et al., JHEP 1712 (2017) 034
- 1495 Measurement of inclusive and differential cross sections in the $H \rightarrow ZZ^* \rightarrow 4\ell$ decay channel in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector
M Aaboud et al., JHEP 1710 (2017) 132
- 1496 Search for direct top squark pair production in final states with two leptons in $\sqrt{s} = 13 \text{ TeV}$ pp collisions with the ATLAS detector
M Aaboud et al., Eur. Phys. J. C 77 (2017) 898
- 1497 Evidence for the $H \rightarrow b\bar{b}$ decay with the ATLAS detector
M Aaboud et al., JHEP 1712 (2017) 024
- 1498 Search for squarks and gluinos in events with an isolated lepton, jets, and missing transverse momentum at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector
M Aaboud et al., Phys. Rev. D 96 (2017) 112010
- 1499 Search for supersymmetry in events with b -tagged jets and missing transverse momentum in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector
M Aaboud et al., JHEP 1711 (2017) 195
- 1500 Search for a scalar partner of the top quark in the jets plus missing transverse momentum final state at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector
M Aaboud et al., JHEP 1712 (2017) 085
- 1501 Study of ordered hadron chains with the ATLAS detector
M Aaboud et al., Phys. Rev. D 96 (2017) 092008
- 1502 Measurement of lepton differential distributions and the top quark mass in $t\bar{t}$ production in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector
M Aaboud et al., Eur. Phys. J. C 77 (2017) 804
- 1503 Measurement of the cross-section for electroweak production of dijets in association with a Z boson in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector
M Aaboud et al., Phys. Lett. B 775 (2017) 206-228

- 1504 Measurement of the Drell–Yan triple-differential cross section in pp collisions at $\sqrt{s} = 8$ TeV
 M Aaboud et al., JHEP 1712 (2017) 059
- 1505 Measurement of the cross-section for producing a W boson in association with a single top quark in pp collisions at $\sqrt{s} = 13$ TeV with ATLAS
 M Aaboud et al., JHEP 1801 (2018) 063
- 1506 Measurement of the W boson mass in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector
 M Aaboud et al., Eur. Phys. J. C 78 (2018) 110
 Erratum Eur. Phys. J. C 78 (2018) 898
- 1507 Measurement of jet fragmentation in 5.02 TeV proton-lead and proton proton collisions with the ATLAS detector
 M Aaboud et al., Nucl. Phys. J. A 978 (2018) 65
- 1508 Search for a new heavy gauge boson resonance decaying into a lepton and missing transverse momentum in 36 fb^{-1} of pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS experiment
 M Aaboud et al., Eur. Phys. J. C 78 (2018) 401
- 1509 Measurement of long-range multiparticle azimuthal correlations with the subevent cumulant method in pp and $p+\text{Pb}$ collisions with the ATLAS detector at the CERN Large Hadron Collider
 M Aaboud et al., Phys. Rev. C 97 (2018) 024804
- 1510 Search for an invisibly decaying Higgs boson or dark matter candidates produced in association with a Z boson in pp collisions at $s = 13$ TeV with the ATLAS detector
 M Aaboud et al., Phys. Lett. B 776 (2018) 318
- 1511 Search for diboson resonances with boson-tagged jets in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 M Aaboud et al., Phys. Lett. B 777 (2018) 91
- 1512 Measurement of the exclusive $\gamma\gamma \rightarrow \mu^+\mu^-$ process in proton proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 M Aaboud et al., Phys. Lett. B 777 (2018) 303
- 1513 Search for the direct production of charginos and neutralinos in final states with tau leptons in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector
 M Aaboud et al., Eur. Phys. J. C 78 (2018) 154
- 1514 Searches for heavy ZZ and ZW resonances in the $\ell\ell 11$ and $\nu\nu qq$ final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 M Aaboud et al., JHEP 1803 (2018) 009
- 1515 Measurement of longitudinal flow decorrelations in $\text{Pb}+\text{Pb}$ collisions at $\sqrt{s_{NN}} = 2.76$ and 5.02 TeV with the ATLAS detector
 M Aaboud et al., Eur. Phys. J. C 78 (2018) 142
- 1516 Measurement of quarkonium production in proton-lead and proton proton collisions at 5.02 TeV with the ATLAS detector
 M Aaboud et al., Eur. Phys. J. C 78 (2018) 171
- 1517 Measurement of τ polarisation in $Z.\gamma^* \rightarrow \tau\tau$ decays in proton proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
 M Aaboud et al., Eur. Phys. J. C 78 (2018) 163
- 1518 Direct top-quark decay width measurement in the $t\bar{t}$ lepton+jets channel at $\sqrt{s} = 8$ TeV with the ATLAS experiment
 M Aaboud et al., Eur. Phys. J. C 78 (2018) 129
- 1519 Combination of inclusive and differential $t\bar{t}$ charge asymmetry measurements using ATLAS and CMS data at $\sqrt{s} = 7$ and 8 TeV
 ATLAS and CMS Collaborations, M Aaboud et al., JHEP 1804 (2018) 033
- 1520 A search for resonances decaying into a Higgs boson and a new particle X in the $XH \rightarrow qqb$ final state with the ATLAS detector
 M Aaboud et al., Phys. Lett. B 779 (2018) 24

- 1521 Search for additional heavy neutral Higgs and gauge bosons in the ditau final state produced in 36 fb^{-1} of pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector
M Aaboud et al., JHEP 1801 (2018) 055
- 1522 $ZZ \rightarrow \ell^+ \ell^- \ell'^+ \ell'^-$ cross-section measurements and search for anomalous triple gauge couplings in $\sqrt{s} = 13 \text{ TeV}$ pp collisions with the ATLAS detector
M Aaboud et al., Phys. Rev. D 97 (2018) 032005
- 1523 Search for new phenomena in high-mass final states with a photon and a jet from pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector
M Aaboud et al., Eur. Phys. J. C 78 (2018) 102
- 1524 Search for heavy resonances decaying into WW in the $e\nu e\nu$ final state in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector
M Aaboud et al., Eur. Phys. J. C 78 (2018) 24
- 1525 Measurement of the production cross-section of a single top quark in association with a Z boson in proton-proton collisions at 13 TeV with the ATLAS detector
M Aaboud et al., Phys. Lett. B 780 (2018) 557
- 1526 Search for long-lived, massive particles in events with displaced vertices and missing transverse momentum in $\sqrt{s} = 13 \text{ TeV}$ pp collisions with the ATLAS detector
M Aaboud et al., Phys. Rev. D 97 (2018) 052012
- 1527 Search for B-L R-parity-violating top squarks in $\sqrt{s} = 13 \text{ TeV}$ pp collisions with the ATLAS detector
M Aaboud et al., Phys. Rev. D 97 (2018) 032003
- 1528 A search for pair-produced resonances in four-jet final states at $\sqrt{s} = 13 \text{ TeV}$ with ATd
M Aaboud et al., Eur. Phys. J. C 78 (2018) 250
- 1529 Search for WW/WZ resonance production in $ell\nu qq$ final states in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector
M Aaboud et al., JHEP 1803 (2018) 042
- 1530 Measurement of differential cross sections of isolated-photon plus heavy-flavour jet production in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ using the ATLAS detector
M Aaboud et al., Phys. Lett. B 776 (2018) 295
- 1531 Search for dark matter produced in association with bottom or top quarks in $\sqrt{s} = 13 \text{ TeV}$ pp collisions with the ATLAS detector
M Aaboud et al., Eur. Phys. J. C 78 (2018) 1
- 1532 Search for doubly charged Higgs boson production in multi-lepton final states with the ATLAS detector using proton-proton collisions at thirteen
M Aaboud et al., Eur. Phys. J. C 78 (2018) 199
- 1533 Search for dark matter and other new phenomena in events with an energetic jet and large missing transverse momentum using the ATLAS detector
M Aaboud et al., JHEP 1801 (2018) 126
- 1534 Measurement of differential cross sections and W^+W^- cross-section ratios for W boson production in association with jets at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector
M Aaboud et al., JHEP 1805 (2018) 77,
Erratum JHEP 2010 (2020) 048
- 1535 Measurement of inclusive jet and dijet cross-sections in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector
M Aaboud et al., JHEP 1805 (2018) 195
- 1536 Search for supersymmetry in final states with missing transverse momentum and multiple b-jets in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector
M Aaboud et al., JHEP 1806 (2018) 107
- 1537 Measurement of the soft-drop jet mass in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector
M Aaboud et al., Phys. Rev. Lett. 121 (2019) 092001

- 1538 Search for top-squark pair production in final states with one lepton, jets, and missing transverse momentum using 36 fb^{-1} of $\sqrt{s} = 13 \text{ TeV}$ pp collision data with the ATLAS detector
M Aaboud et al., JHEP 1806 (2018) 108
- 1539 Measurement of differential cross-sections of a single top quark produced in association with a W boson at $\sqrt{s} = 13 \text{ TeV}$ with ATLAS
M Aaboud et al., Eur. Phys. J. C 78 (2018) 186
- 1540 Search for long-lived charginos based on a disappearing-track signature in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector
M Aaboud et al., JHEP 1806 (2018) 022
- 1541 Measurement of the Higgs boson coupling properties in the $H \rightarrow ZZ^* \rightarrow 4\ell$ decay channel at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector
M Aaboud et al., JHEP 1806 (2018) 095
- 1542 Search for squarks and gluinos in final states with jets and missing transverse momentum using 36 fb^{-1} of $\sqrt{s} = 13 \text{ TeV}$ pp collision data with the ATLAS detector
M Aaboud et al., Phys. Rev. D 97 (2018) 112001
- 1543 Search for exclusive Higgs and Z boson decays to $\phi\gamma$ and $\rho\gamma$ with the ATLAS detector
M Aaboud et al., JHEP 1807 (2018) 127
- 1544 Search for heavy ZZ resonances in the $\ell^+\ell^-\ell^+\ell^-$ and $\ell^+\ell^-\nu\nu$ final states using proton proton collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector
M Aaboud et al., Eur. Phys. J. C 78 (2018) 293
- 1545 Search for heavy resonances decaying into a W or Z boson and a Higgs boson in final states with leptons and b-jets in 36 fb^{-1} of $\sqrt{s} = 13 \text{ TeV}$ pp collisions with the ATLAS detector
M Aaboud et al., JHEP 1806 (2018) 174; Erratum JHEP 1811 (2018) 051
- 1546 Measurement of the inclusive and fiducial $t\bar{t}$ production cross-sections in the lepton+jets channel in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector
M Aaboud et al., Eur. Phys. J. C 78 (2018) 487
- 1547 Measurement of the production cross section of three isolated photons in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ using the ATLAS detector
M Aaboud et al., Phys. Lett. B 780 (2018) 55
- 1548 Search for electroweak production of supersymmetric states in scenarios with compressed mass spectra at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector
M Aaboud et al., Phys. Rev. D 97 (2018) 052010
- 1549 Evidence for the associated production of the Higgs boson and a top quark pair with the ATLAS detector
M Aaboud et al., Phys. Rev. D 97 (2018) 072003
- 1550 Search for the standard model Higgs boson produced in association with top quarks and decaying into a $b\bar{b}$ pair in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector
M Aaboud et al., Phys. Rev. D 97 (2018) 072016
- 1551 Measurement of the cross section for isolated-photon plus jet production in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ using the ATLAS detector
M Aaboud et al., Phys. Lett. B 780 (2018) 578
- 1552 Measurements of $t\bar{t}$ differential cross-sections of highly boosted top quarks decaying to all-hadronic final states in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ using the ATLAS detector
M Aaboud et al., Phys. Rev. D 98 (2018) 012003
- 1553 Search for high-mass resonances decaying to $\tau\nu$ in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector
M Aaboud et al., Phys. Rev. Lett. 120 (2018) 161802
- 1554 Search for $W' \rightarrow tb$ decays in the hadronic final state using pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector
M Aaboud et al., Phys. Lett. B 780 (2018) 55

- 1555 Search for a structure in the $B_s^0\pi^\pm$ invariant mass spectrum with the ATLAS experiment
M Aaboud et al., Phys. Rev. Lett. 120 (2018) 202007
- 1556 Search for photonic signatures of gauge-mediated supersymmetry in 13 TeV pp collisions with the ATLAS detector
M Aaboud et al., Phys. Rev. D **97** (2018) 092006
- 1557 Search for Higgs boson decays to beyond-the-Standard-Model light bosons in four-lepton events with the ATLAS detector at $\sqrt{s} = 13$ TeV
M Aaboud et al., JHEP 1807 (2018) 127
- 1558 Measurements of of Higgs boson properties in the diphoton decay channel with 36 fb^{-1} of pp collision data at $\sqrt{s} = 13$ TeV with the ATLAS detector
M Aaboud et al., Phys. Rev. D **98** (2018) 052005
- 1559 Search for the decay of the Higgs boson to charm quarks with the ATLAS experiment
M Aaboud et al., Phys. Rev. Lett. 120 (2018) 211802
- 1560 Measurements of of differential cross sections of top quark pair production in association with jets in pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector
M Aaboud et al., JHEP 1810 (2018) 159
- 1561 Performance of missing transverse momentum reconstruction with the ATLAS detector using proton proton collisions at $\sqrt{s} = 13$ TeV
M Aaboud et al., Eur. Phys. J. C **78** (2018) 903
- 1562 Search for electroweak production of supersymmetric particles in final states with two or three leptons at $\sqrt{s} = 13$ TeV with the ATLAS detector
M Aaboud et al., Eur. Phys. J. C **78** (2018) 995
- 1563 Search for pair production of up-type vector-like quarks and for four-top-quark events in final states with multiple -jets with the ATLAS detector
M Aaboud et al., JHEP 1807 (2018) 089
- 1564 Search for flavour-changing neutral current top-quark decays $t \rightarrow qZ$ in proton proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
M Aaboud et al., JHEP 1807 (2018) 176
- 1565 Search for top squarks decaying to tau sleptons in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
M Aaboud et al., Phys. Rev. D **98** (2018) 032008
- 1566 Search for Higgs boson decays into pairs of light (pseudo)scalar particles in the $\gamma\gamma jj$ final state in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
M Aaboud et al., Phys. Lett. B **782** (2018) 750
- 1567 Search for a heavy Higgs boson decaying into a Z boson and another heavy Higgs boson in the $\ell\ell bb$ final state in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
M Aaboud et al., Phys. Lett. B **783** (2018) 392
- 1568 Search for low-mass dijet resonances using trigger-level jets with the ATLAS detector in pp collisions at $\sqrt{s} = 13$ TeV
M Aaboud et al., Phys. Rev. Lett. 121 (2018) 081801
- 1569 Search for supersymmetry in events with four or more leptons in $\sqrt{s} = 13$ TeV pp collisions with ATLAS
M Aaboud et al., Phys. Rev. D **98** (2018) 032009
- 1570 Search for R-parity-violating supersymmetric particles in multi-jet final states produced in $p-p$ collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector at the LHC
M Aaboud et al., Phys. Lett. B **785** (2018) 136
- 1571 search for lepton-flavor-violating decays of the Z boson into a τ -lepton and a light lepton with the ATLAS detector
M Aaboud et al., Phys. Rev. D **98** (2018) 092010

- 1572 Search for heavy particles decaying into top-quark pairs using lepton-plus-jets events in proton proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
M Aaboud et al., Eur. Phys. J. C **78** (2018) 565
- 1573 Measurements of b -jet tagging efficiency with the ATLAS detector using $t\bar{t}$ events at $\sqrt{s} = 13$ TeV
M Aaboud et al., JHEP **1808** (2018) 089
- 1574 Search for heavy resonances decaying to a photon and a hadronically decaying $Z/W/H$ boson in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
M Aaboud et al., Phys. Rev. D **98** (2018) 032015
- 1575 Search for supersymmetry in final states with charm jets and missing transverse momentum in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector
M Aaboud et al., JHEP **1809** (2018) 050
- 1576 Prompt and non-prompt J/ψ and $\psi(2S)$ suppression at high transverse momentum in 5.02 TeV Pb+Pb collisions with the ATLAS experiment
M Aaboud et al., Eur. Phys. J. C **78** (2018) 762
- 1577 Measurement of colour flow using jet-pull observables in $t\bar{t}$ events with the ATLAS experiment at $\sqrt{s} = 13$ TeV
M Aaboud et al., Eur. Phys. J. C **78** (2018) 847
- 1578 Angular analysis of $B_d^0 \rightarrow K^*\mu^+\mu^-$ decays in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
M Aaboud et al., JHEP **1810** (2018) 047
- 1579 Search for flavor-changing neutral currents in top quark decays $t \rightarrow Hc$ and $t \rightarrow Hu$ in multilepton final states in proton proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
M Aaboud et al., Phys. Rev. D **98** (2018) 032002
- 1580 Measurement of the suppression and azimuthal anisotropy of muons from heavy-flavor decays in Pb+Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector
M Aaboud et al., Phys. Rev. C **98** (2018) 044905
- 1581 Measurement of dijet azimuthal decorrelations in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector and determination of the strong coupling
M Aaboud et al., Phys. Rev. D **98** (2018) 092004
- 1582 Search for resonances in the mass distribution of jet pairs with one or two jets identified as b -jets in proton proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
M Aaboud et al., Phys. Rev. D **98** (2018) 032016
- 1583 Combined measurement of differential and total cross sections in the $H \rightarrow \gamma\gamma$ and the $H \rightarrow ZZ^* \rightarrow 4\ell$ decay channels at $\sqrt{s} = 13$ TeV with the ATLAS detector
M Aaboud et al., Phys. Lett. B **786** (2018) 114
- 1584 Observation of Higgs boson production in association with a top quark pair at the LHC with the ATLAS detector
M Aaboud et al., Phys. Lett. B **784** (2018) 173
- 1585 Measurement of the Higgs boson mass in the $H \rightarrow ZZ^* \rightarrow 4\ell$ and $H \rightarrow \gamma\gamma$ channels with $\sqrt{s} = 13$ TeV pp collisions using the ATLAS detector
M Aaboud et al., Phys. Lett. B **784** (2018) 345
- 1586 Search for resonant WZ production in the fully leptonic final state in proton proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
M Aaboud et al., Phys. Lett. B **787** (2018) 68
- 1587 Search for new phenomena using the invariant mass distribution of same-flavour opposite-sign dilepton pairs in events with missing transverse momentum in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector
M Aaboud et al., Eur. Phys. J. C **78** (2018) 625
- 1588 Search for pair production of heavy vector-like quarks decaying into high- p_T W bosons and top quarks in the lepton-plus-jets final state in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
M Aaboud et al., JHEP **1808** (2018) 048

- 1589 Search for chargino-neutralino production using recursive jigsaw reconstruction in final states with two or three charged leptons in proton proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 M Aaboud et al., Phys. Rev. **D** **98** (2018) 092012
- 1590 Operation and performance of the ATLAS Tile Calorimeter in Run 1
 M Aaboud et al., Eur. Phys. J. C **78** (2018) 987
- 1591 Search for pair production of higgsinos in final states with at least three b-tagged jets in $\sqrt{s} = 13$ TeV pp collisions using the ATLAS detector
 M Aaboud et al., Phys. Rev. **D** **98** (2018) 092002
- 1592 Probing the quantum interference between singly and doubly resonant top-quark production in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 M Aaboud et al., Phys. Rev. Lett. **121** (2018) 152002
- 1593 Search for the Higgs boson produced in association with a vector boson and decaying into two spin-zero particles in the Haa4b channel in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 M Aaboud et al., JHEP **1810** (2018) 031
- 1594 Observation of centrality-dependent acoplanarity for muon pairs produced via two-photon scattering in Pb+Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV with the ATLAS detector
 M Aaboud et al., Phys. Rev. Lett. **121** (2018) 212301
- 1595 Search for pair- and single-production of vector-like quarks in final states with at least one Z boson decaying into a pair of electrons or muons in pp collision data collected with the ATLAS detector at $\sqrt{s} = 13$ TeV
 M Aaboud et al., Phys. Rev. **D** **98** (2018) 112010
- 1596 Searches for exclusive Higgs and Z boson decays into $J/\psi\gamma$, $\psi(2S)\gamma$, and $\Upsilon(nS)\gamma$ at $\sqrt{s} = 13$ TeV with the ATLAS detector
 M Aaboud et al., Phys. Lett. B **786** (2018) 134
- 1597 Prompt and non-prompt J/ψ elliptic flow in Pb+Pb collisions at $\sqrt{s_{NN}} = 5.02$ Tev with the ATLAS detector
 M Aaboud et al., Eur. Phys. J. C **78** (2018) 784
- 1598 Search for Higgs boson pair production in the $\gamma\gamma b\bar{b}$ final state with $\sqrt{s} = 13$ TeV 13 TeV pp collision data collected by the ATLAS experiment
 M Aaboud et al., JHEP **1811** (2018) 040
- 1599 Search for lepton-flavor violation in different-flavor, high-mass final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 M Aaboud et al., Phys. Rev. **D** **98** (2018) 092008
- 1600 Search for charged Higgs bosons decaying via $H^\pm \rightarrow \tau^\pm \nu_\tau$ in the $\tau+\text{jets}$ and $\tau+\text{lepton}$ final states with 36 fb^{-1} of pp collision datga recorded at $\sqrt{s} = 13$ TeV with the ATLAS experiment
 M Aaboud et al., JHEP **1809** (2018) 139
- 1601 Search for Higgs boson pair production in the $\gamma\gamma WW^*$ channel using pp collision data recorded at $\sqrt{s} = 13$ TeV with the ATLAS detector
 M Aaboud et al., Eur. Phys. J. C **78** (2018) 1007
- 1602 Search for Higgs bosons produced via vector-boson fusion and decaying into bottom quark pairs in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector
 M Aaboud et al., Phys. Rev. **D** **98** (2018) 052003
- 1603 Search for vector-boson resonances decaying to a top quark and bottom quark in the lepton plus jets final state in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 M Aaboud et al., Phys. Lett. B **788** (2018) 347
- 1604 Search for dark matter in events with a hadronically decaying vector boson and missing transverse momentum in in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 M Aaboud et al., JHEP **1810** (2018) 180

- 1605 Search for new phenomena in events with same-charge leptons and b -jets in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
M Aaboud et al., JHEP 1812 (2018) 039
- 1606 Search for resonant and nonresonant Higgs boson pair production in the $b\bar{b}\tau^+\tau^-$ decay channel in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
M Aaboud et al., Phys. Rev. Lett. 121 (2018) 191801, Erratum: Phys. Rev. Lett. 122 (2019) 089901
- 1607 Constraints on off-shell Higgs boson production and the Higgs boson total width in $ZZ \rightarrow 4\ell$ and $ZZ \rightarrow 2\ell 2\nu$ final states with the ATLAS detector
M Aaboud et al., Phys. Lett. B 786 (2018) 223
- 1608 Search for pair production of heavy vector-like quarks decaying into hadronic final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
M Aaboud et al., Phys. Rev. D 98 (2018) 092005
- 1609 Combination of searches for heavy resonances decaying into bosonic and leptonic final states using 36 fb^{-1} of proton-proton collision data at $\sqrt{s} = 13$ TeV with the ATLAS detector
M Aaboud et al., Phys. Rev. D 98 (2018) 052008
- 1610 Combination of the searches for pair-produced vector-like partners of the third-generation quarks at $\sqrt{s} = 13$ TeV with the ATLAS detector
M Aaboud et al., Phys. Rev. Lett. 121 (2018) 211801
- 1611 Search for charged Higgs bosons decaying into top and bottom quarks at $\sqrt{s} = 13$ TeV with the ATLAS detector
M Aaboud et al., JHEP 1811 (2018) 085
- 1612 Measurement of the azimuthal anisotropy of charged particles produced in $\sqrt{s_{NN}} = 5.02$ TeV Pb+Pb collisions with the ATLAS detector
M Aaboud et al., Eur. Phys. J. C 78 (2018) 997
- 1613 Observation of $H \rightarrow b\bar{b}$ decays and VH production with the ATLAS detector
M Aaboud et al., Phys. Lett. B 786 (2018) 59
- 1614 Comparison between simulated and observed LHC beam backgrounds in the ATLAS experiment at $E_{\text{beam}} = 4$ TeV
M Aaboud et al., JINST 13 (2018) P12006
- 1615 Search for heavy charged long-lived particles in proton-proton collisions at $\sqrt{s} = 13$ TeV using an ionisation measurement with the ATLAS detector
M Aaboud et al., Phys. Lett. B 788 (2019) 96
- 1616 Search for light resonances decaying to boosted quark pairs and produced in association with a photon or a jet in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
M Aaboud et al., Phys. Lett. B 788 (2019) 316
- 1617 Measurement of photon-jet transverse momentum correlations in 5.02 TeV Pb+Pb and pp collisions with ATLAS
M Aaboud et al., Phys. Lett. B789 (2019) 167
- 1618 Measurement of top-quark pair differential and double-differential cross-sections in the $\ell+\text{jets}$ channel with pp collisions at $s=13$ TeV using the ATLAS detector
G Aad et al., Eur. Phys. J. C79 (2019) 1028 .
- 1619 Measurement of angular and momentum distributions of charged particles within and around jets in Pb+Pb and pp collisions at $\sqrt{s_{NN}} = 5.02$ TeV with the ATLAS detector
G Aad et al., Phys. Rev. C100 (2019) 064901, Erratum Phys. Rev. C 101 (2020) 059903
- 1620 Search for bottom-squark pair production with the ATLAS detector in final states containing Higgs bosons, b -jets and missing transverse momentum
G Aad et al., JHEP 1912 (2019) 060
- 1621 Measurement of the inclusive isolated-photon cross section in pp collisions at $\sqrt{s} = 13$ TeV using 36 fb^{-1} of ATLAS data
G Aad et al. JHEP 1910 (2019) 203

- 1622 Electron and photon performance measurements with the ATLAS detector using the 2015-2017 LHC proton-proton collision data
 G Aad et al., JINST 14 (2019) P12006
- 1623 Measurement of K_S^0 and Λ^0 production in $t\bar{t}$ dileptonic events in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector
 G Aad et al., Eur. Phys. J. C79 (2019) 1017
- 1624 Measurement of W^\pm boson production in Pb+Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV with the ATLAS detector
 G Aad et al., Eur. Phys. J. C79 (2019) 935
- 1625 Measurement of the inclusive cross-section for the production of jets in association with a Z boson in proton-proton collisions at 8 TeV using the ATLAS detector
 G Aad et al., Eur. Phys. J. C79 (2019) 847
- 1626 Measurement of flow harmonics correlations with mean transverse momentum in lead-lead and proton-lead collisions at $\sqrt{s_{NN}} = 5.02$ TeV with the ATLAS detector
 G Aad et al., Eur. Phys. J. C79 (2019) 985
- 1627 ATLAS b -jet identification performance and efficiency measurement with $t\bar{t}$ events in pp collisions at $\sqrt{s} = 13$ TeV
 G Aad et al., Eur. Phys. J. C79 (2019) 970
- 1628 Measurement of W^\pm -boson and Z -boson production cross-sections in pp collisions at $\sqrt{s}=2.76$ TeV with the ATLAS detector
 G Aad et al., Eur. Phys. J. C79 (2019) 901
- 1629 Resolution of the ATLAS muon spectrometer monitored drift tubes in LHC Run 2
 G Aad et al., JINST 14 (2019) P09011
- 1630 Identification of boosted Higgs bosons decaying into b -quark pairs with the ATLAS detector at 13 TeV
 G Aad et al., Eur. Phys. J. C79 (2019) 836
- 1631 Properties of jet fragmentation using charged particles measured with the ATLAS detector in pp collisions at $\sqrt{s} = 13$ TeV
 G Aad et al., Phys. Rev. D100 (2019) 052011 .
- 1632 Search for diboson resonances in hadronic final states in 139 fb^{-1} of pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., JHEP 1909 (2019) 091, Erratum HEP 06 (2020) 042
- 1633 Search for a heavy charged boson in events with a charged lepton and missing transverse momentum from pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., Phys. Rev. D100 (2019) 052013
- 1634 Search for excited electrons singly produced in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS experiment at the LHC
 M Aaboud et al., Eur. Phys. J. C79 (2019) 803
- 1635 Observation of electroweak production of a same-sign W boson pair in association with two jets in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 M Aaboud et al. Phys. Rev. Lett. 123 (2019) 161801
- 1636 Comparison of fragmentation functions for jets dominated by light quarks and gluons from pp and Pb+Pb collisions in ATLAS
 M Aaboud et al. Phys. Rev. Lett. 123 (2019) 42001
- 1637 Measurement of distributions sensitive to the underlying event in inclusive Z -boson production in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 M Aaboud et al., Eur. Phys. J. C79 (2019) 666
- 1638 Search for heavy neutral leptons in decays of W bosons produced in 13 TeV pp collisions using prompt and displaced signatures with the ATLAS detector
 G Aad et al., JHEP 1910 (2019) 265

- 1639 Search for the electroweak diboson production in association with a high-mass dijet system in semileptonic final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., Phys. Rev. D100 (2019) 032007
- 1640 Measurement of ZZ production in the $\ell\ell\nu\nu$ final state with the ATLAS detector in pp collisions at $\sqrt{s} = 13$ TeV
 M Aaboud et al. JHEP 1910 (2019) 127
- 1641 Measurement of fiducial and differential W^+W^- production cross-sections at $\sqrt{s} = 13$ TeV with the ATLAS detector
 M Aaboud et al., Eur. Phys. J. C79 (2019) 884
- 1642 Modelling radiation damage to pixel sensors in the ATLAS detector
 M Aaboud et al., JINST 14 (2019) P06012
- 1643 Measurement of the top-quark mass in $t\bar{t}+1$ -jet events collected with the ATLAS detector in pp collisions at $\sqrt{s} = 8$ TeV
 G Aad et al., JHEP 1911 (2019) 150
- 1644 Search for a right-handed gauge boson decaying into a high-momentum heavy neutrino and a charged lepton in pp collisions with the ATLAS detector at $\sqrt{s} = 13$ TeV
 G Aad et al., Phys. Lett. B798 (2019) 134942
- 1645 Measurement of the cross-section and charge asymmetry of W bosons produced in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
 G Aad et al., Eur. Phys. J. C79 (2019) 760
- 1646 Combination of searches for invisible Higgs boson decays with the ATLAS experiment
 M Aaboud et al., Phys. Rev. Lett. 122 (2019) 231801
- 1647 Observation of light-by-light scattering in ultraperipheral Pb+Pb collisions with the ATLAS detector
 G Aad et al., Phys. Rev. Lett. 123 (2019) 052001
- 1648 Evidence for the production of three massive vector bosons with the ATLAS detector
 G Aad et al., Phys. Lett. B798 (2019) 134913.
- 1649 Measurement of the production cross section for a Higgs boson in association with a vector boson in the $H \rightarrow WW^* \rightarrow \ell\nu\ell\nu$ channel in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., Phys. Lett. B798 (2019) 134949
- 1650 Search for high-mass dilepton resonances using 139 fb^{-1} of pp collision data collected at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., Phys. Lett. B796 (2019) 68
- 1651 Measurement of $VH, H \rightarrow b\bar{b}$ production as a function of the vector-boson transverse momentum in 13 TeV pp collisions with the ATLAS detector
 M Aaboud et al., JHEP 1905 (2019) 141
- 1652 Measurement of jet-substructure observables in top quark, W boson and light jet production in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 M Aaboud et al., JHEP 1908 (2019) 033
- 1653 Measurement of prompt photon production in $\sqrt{s_{NN}} = 8.16$ TeV p+Pb collisions with ATLAS
 M Aaboud et al., Phys. Lett. B796 (2019) 230
- 1654 Constraints on mediator-based dark matter and scalar dark energy models using $\sqrt{s} = 13$ TeV pp collision data collected by the ATLAS detector
 M Aaboud et al., JHEP 1905 (2019) 142
- 1655 Search for heavy particles decaying into a top-quark pair in the fully hadronic final state in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 M Aaboud et al., Phys. Rev. D99 (2019) 092004
- 1656 Searches for third-generation scalar leptoquarks in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector
 M Aaboud et al., JHEP 1906 (2019) 144

- 1657 Combinations of single-top-quark production cross-section measurements and $|f_{LV}V_{tb}|$ determinations at $\sqrt{s}=7$ and 8 TeV with the ATLAS and CMS experiments
 ATLAS and CMS Collaborations, M Aaboud et al. JHEP 1905 (2019) 088
- 1658 Measurement of the four-lepton invariant mass spectrum in 13 TeV proton-proton collisions with the ATLAS detector
 M Aaboud et al., JHEP 1904 (2019) 048
- 1659 Measurement of $W^\pm Z$ production cross sections and gauge boson polarisation in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 M Aaboud et al., Eur. Phys. J. C79 (2019) 535
- 1660 Electron reconstruction and identification in the ATLAS experiment using the 2015 and 2016 LHC proton-proton collision data at $\sqrt{s} = 13$ TeV
 M Aaboud et al., Eur. Phys. J. C79 (2019) 639
- 1661 Search for long-lived neutral particles in pp collisions at $\sqrt{s} = 13$ TeV that decay into displaced hadronic jets in the ATLAS calorimeter
 M Aaboud et al., Eur. Phys. J. C79 (2019) 481
- 1662 Search for heavy charged long-lived particles in the ATLAS detector in 36 fb^{-1} of proton-proton collision data at $\sqrt{s} = 13$ TeV
 M Aaboud et al., Phys. Rev. D99 (2019) 092007
- 1663 Searches for scalar leptoquarks and differential cross-section measurements in dilepton-dijet events in proton-proton collisions at a centre-of-mass energy of $\sqrt{s} = 13$ TeV with the ATLAS experiment
 M Aaboud et al., Eur. Phys. J. C79 (2019) 733
- 1664 Search for low-mass resonances decaying into two jets and produced in association with a photon using pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 M Aaboud et al., Phys. Lett. B795 (2019) 56
- 1665 Dijet azimuthal correlations and conditional yields in pp and $p+\text{Pb}$ collisions at $\sqrt{s_{NN}} = 5.02$ TeV with the ATLAS detector
 M Aaboud et al., Phys. Rev. C100 (2019) 034903
- 1666 Measurement of the ratio of cross sections for inclusive isolated-photon production in pp collisions at $\sqrt{s} = 13$ and 8 TeV with the ATLAS detector
 M Aaboud et al., JHEP 1904 (2019) 093
- 1667 Search for scalar resonances decaying into $\mu^+ \mu^-$ in events with and without b -tagged jets produced in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 M Aaboud et al., JHEP 1907 (2019) 117
- 1668 Measurement of the $t\bar{t}Z$ and $t\bar{t}W$ cross sections in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 M Aaboud et al., Phys. Rev. D99 (2019) 072009
- 1669 Search for top-quark decays $t \rightarrow Hq$ with 36 fb^{-1} of pp collision data at $\sqrt{s} = 13$ TeV with the ATLAS detector
 M Aaboud et al. JHEP 1905 (2019) 123
- 1670 Search for large missing transverse momentum in association with one top-quark in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 M Aaboud et al., JHEP 1905 (2019) 041
- 1671 Observation of electroweak $W \pm Z$ boson pair production in association with two jets in pp collisions at $s = 13$ TeV with the ATLAS detector
 M Aaboud et al., Phys. Lett. B793 (2019) 469
- 1672 Search for chargino and neutralino production in final states with a Higgs boson and missing transverse momentum at $\sqrt{s} = 13$ TeV with the ATLAS detector
 M Aaboud et al., Phys. Rev. D100 (2019) 012006
- 1673 Properties of $g \rightarrow b\bar{b}$ at small opening angles in pp collisions with the ATLAS detector at $\sqrt{s} = 13$ TeV
 M Aaboud et al., Phys. Rev. D99 (2019) 052004

- 1674 Search for single production of vector-like quarks decaying into Wb in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 M Aaboud et al. JHEP 1905 (2019) 164
- 1675 Electron and photon energy calibration with the ATLAS detector using 2015–2016 LHC proton-proton collision data
 M Aaboud et al., JINST 14 (2019) P03017
- 1676 Search for heavy long-lived multicharged particles in pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector
 M Aaboud et al., Phys. Rev. D99 (2019) 052003
- 1677 Study of the rare decays of B_s^0 and B^0 mesons into muon pairs using data collected during 2015 and 2016 with the ATLAS detector
 M Aaboud et al., JHEP 1904 (2019) 098.
- 1678 Measurement of of inclusive and differential fiducial cross-sections of $t\bar{t}$ production in leptonic final states at $\sqrt{s} = 13$ TeV in ATLAS
 M Aaboud et al., Eur. Phys. J. C79 (2019) 382
- 1679 Measurement of of inclusive and differential fiducial cross-sections of $t\bar{t}$ production with additional heavy-flavour jets in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 M Aaboud et al., JHEP 1904 (2019) 046
- 1680 Search for Higgs boson pair production in the $WW^{(*)}WW^{(*)}$ decay channel using ATLAS data recorded at $\sqrt{s} = 13$ TeV
 M Aaboud et al., JHEP 1905 (2019) 124
- 1681 Study of the hard double-parton scattering contribution to inclusive four-lepton production in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
 M Aaboud et al., Phys. Lett. B790 (2019) 595
- 1682 Cross-section measurements of the Higgs boson decaying into a pair of τ -leptons in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 M Aaboud et al., Phys. Rev. D99 (2019) 072001
- 1683 Search for long-lived particles produced in pp collisions at $\sqrt{s} = 13$ TeV that decay into displaced hadronic jets in the ATLAS muon spectrometer
 M Aaboud et al., Phys. Rev. D99 (2019) 052005
- 1684 Search for Higgs boson pair production in the $b\bar{b}WW^*$ decay mode at $\sqrt{s} = 13$ TeV with the ATLAS detector
 M Aaboud et al., JHEP 1904 (2019) 092
- 1685 Search for four-top-quark production in the single-lepton and opposite-sign dilepton final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 M Aaboud et al., Phys. Rev. D99 (2019) 052009
- 1686 Search for the production of a long-lived neutral particle decaying within the ATLAS hadronic calorimeter in association with a Z boson from pp collisions at $\sqrt{s} = 13$ TeV
 M Aaboud et al., Phys. Rev. Lett. 122 (2019) 151801
- 1687 Measurements of of W and Z boson production in pp collisions at $\sqrt{s}=5.02$ TeV with the ATLAS detector
 M Aaboud et al., Eur. Phys. J. C79 (2019) 128,
 Erratum: Eur. Phys. J. C79 (2019) 374
- 1688 Measurement of the photon identification efficiencies with the ATLAS detector using LHC Run 2 data collected in 2015 and 2016
 M Aaboud et al., Eur. Phys. J. C79 (2019) 205
- 1689 Measurement of the top quark mass in the $t\bar{t}$ lepton+jets channel from $\sqrt{s} = 8$ TeV ATLAS data and combination with previous results
 M Aaboud et al., Eur. Phys. J. C79 (2019) 290

- 1690 Search for heavy Majorana or Dirac neutrinos and right-handed W gauge bosons in final states with two charged leptons and two jets at $\sqrt{s} = 13$ TeV with the ATLAS detector
 M Aaboud et al., JHEP 1901 (2019) 016
- 1691 Search for invisible Higgs boson decays in vector boson fusion at $s=13$ TeV with the ATLAS detector
 M Aaboud et al., Phys. Lett. B793 (2019) 499
- 1692 A search for pairs of highly collimated photon-jets in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 M Aaboud et al., Phys. Rev. D99 (2019) 012008
- 1693 Measurements of of gluon-gluon fusion and vector-boson fusion Higgs boson production cross-sections in the $H^* \rightarrow e\nu\mu\nu$ decay channel in pp collisions at $\sqrt{s} = 13$ TeVwith the ATLAS detector
 M Aaboud et al., Phys. Lett. B789 (2019) 508
- 1694 Performance of top-quark and W -boson tagging with ATLAS in Run 2 of the LHC
 M Aaboud et al., Eur. Phys. J. C79 (2019) 375
- 1695 Search for squarks and gluinos in final states with hadronically decaying τ -leptons, jets, and missing transverse momentum using pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 M Aaboud et al., Phys. Rev. D99 (2019) 012009
- 1696 Search for long-lived particles in final states with displaced dimuon vertices in pp collisions collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 M Aaboud et al., Phys. Rev. D99 (2019) 012001
- 1697 Search for doubly charged scalar bosons decaying into same-sign W boson pairs with the ATLAS detector
 M Aaboud et al., Eur. Phys. J. C79 (2019) 58
- 1698 Search for vector-boson resonances decaying to a top quark and bottom quark in the lepton plus jets final state in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 M Aaboud et al., Phys. Lett. B 788 (2019) 347
- 1699 In situ calibration of large-radius jet energy and mass in 13 TeV proton-proton collisions with the ATLAS detector
 M Aaboud et al., Eur. Phys. J. C79 (2019) 135
- 1700 A strategy for a general search for new phenomena using data-derived signal regions and its application within the ATLAS experiment
 M Aaboud et al., Eur. Phys. J. C79 (2019) 120
- 1701 Correlated long-range mixed-harmonic fluctuations measured in pp , $p+\text{Pb}$ and low-multiplicity $\text{Pb}+\text{Pb}$ collisions with the ATLAS detector
 M Aaboud et al., Phys. Lett. B789 (2019) 444
- 1702 Search for Higgs boson decays into a pair of light bosons in the bb final state in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 M Aaboud et al., Phys. Lett. B790 (2019) 1
- 1703 Measurement of the nuclear modification factor for inclusive jets in $\text{Pb}+\text{Pb}$ collisions at $\sqrt{s_{NN}} == 5.02$ TeV with the ATLAS detector
 M Aaboud et al., Phys. Lett. B790 (2019) 108
- 1704 Search for pair production of Higgs bosons in the $b\bar{b}b\bar{b}$ final state using proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 M Aaboud et al., JHEP 1901 (2019) 030
- 1705 Combination of searches for Higgs boson pairs in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., Phys. Lett. B800 (2020) 135103
- 1706 Search for displaced vertices of oppositely charged leptons from decays of long-lived particles in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., Phys. Lett. B801 (2020) 135114

- 1707 Search for non-resonant Higgs boson pair production in the $b\bar{b}\ell\nu\ell\nu$ final state with the ATLAS detector in pp collisions at $\sqrt{s} = 13$ TeV
 G Aad et al., Phys. Lett. B801 (2020) 135145
- 1708 Search for flavour-changing neutral currents in processes with one top quark and a photon using 81 fb^{-1} of pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS experiment
 G Aad et al., Phys. Lett. B800 (2020) 135082
- 1709 Measurements of top-quark pair spin correlations in the $e\mu$ channel at $\sqrt{s} = 13$ TeV using pp collisions in the ATLAS detector
 M Aaboud et al., Eur. Phys. J. C80 (2020) 754
- 1710 Fluctuations of anisotropic flow in Pb+Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV with the ATLAS detector
 M Aaboud et al., JHEP 2001 (2020) 051
- 1711 Search for magnetic monopoles and stable high-electric-charge objects in 13 TeV proton-proton collisions with the ATLAS detector
 G Aad et al., Phys. Rev. Lett. 124 (2020) 031802
- 1712 Measurement of long-range two-particle azimuthal correlations in Z -boson tagged pp collisions at /sqrt{s} 8 and 13 TeV
 G. Aaboud et al., Eur. Phys. J. C 80 (2020) 64
- 1713 Search for heavy neutral Higgs bosons produced in association with b -quarks and decaying into b -quarks at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., Phys. Rev. D 102 (2020) 032004
- 1714 Searches for lepton-flavour-violating decays of the Higgs boson in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector
 G Aad et al., Phys. Lett. B800 (2020) 135069
- 1715 Search for flavour-changing neutral currents in processes with one top quark and a photon using 81 fb^{-1} of pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS experiment
 G Aad et al., Phys. Lett. B800 (2020) 135082
- 1716 Search for the Higgs boson decays $H \rightarrow ee$ and $H \rightarrow e\mu$ in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., Phys. Lett. B801 (2020) 135148
- 1717 Search for displaced vertices of oppositely charged leptons from decays of long-lived particles in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., Phys. Lett. B801 (2020) 135114
- 1718 Search for non-resonant Higgs boson pair production in the $b\bar{b}\ell\nu\ell\nu$ final state with the ATLAS detector in pp collisions at $\sqrt{s} = 13$ TeV
 G Aad et al., Phys. Lett. B801 (2020) 135145
- 1719 Search for electroweak production of charginos and sleptons decaying into final states with two leptons and missing transverse momentum in $\sqrt{s} = 13$ TeV pp collisions using the ATLAS detector
 G Aad et al., Phys. Lett. B801 (2020) 135145
- 1720 Performance of electron and photon triggers in ATLAS during LHC Run 2
 G Aad et al., Eur. Phys. J. C 80 (2020) 47
- 1721 Search for light long-lived neutral particles produced in pp collisions at $\sqrt{s} = 13$ TeV and decaying into collimated leptons or light hadrons with the ATLAS detector
 G Aad et al., Eur. Phys. J. C 80 (2020) 450
- 1722 Measurement of azimuthal anisotropy of muons from charm and bottom hadrons in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., Phys. Rev. Lett. 124 (2020) 082301
- 1723 Combined measurements of Higgs boson production and decay using up to 80 fb^{-1} of proton-proton collision data at $\sqrt{s} = 13$ TeV collected with the ATLAS experiment
 G Aad et al., Phys. Rev. D 101 (2020) 012002

- 1724 Search for squarks and gluinos in final states with same-sign leptons and jets using 139 fb^{-1} of data collected with the ATLAS detector
 G Aad et al., JHEP 06 (2020) 046
- 1725 Measurement of J/ψ production in association with a W^\pm boson with pp data at 8 TeV
 G Aad et al., HEP 01 (2020) 095
- 1726 Determination of jet calibration and energy resolution in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$ using the ATLAS detector
 M Aaboud et al., Eur. Phys. J. C 80 (2020) 1104
- 1727 Search for new resonances in mass distributions of jet pairs using 139 fb^{-1} of pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector
 G Aad et al., JHEP 03 (2020) 145
- 1728 Measurement of the $t\bar{t}$ production cross-section and lepton differential distributions in $e\mu$ dilepton events from pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector
 G Aad et al., Eur. Phys. J. C 80 (2020) 528
- 1729 Evidence for electroweak production of two jets in association with a $Z\gamma$ pair in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector
 G Aad et al., Phys. Lett. B 803 (2020) 135341
- 1730 Z boson production in Pb+Pb collisions at $\sqrt{s_{NN}} = 5.02 \text{ TeV}$ measured by the ATLAS experiment
 G Aad et al., Phys. Lett. B 802 (2020) 135262
- 1731 Transverse momentum and process dependent azimuthal anisotropies in $\sqrt{s_{NN}} = 8.16 \text{ TeV}$ $p+\text{Pb}$ collisions with the ATLAS detector
 G Aad et al., Eur. Phys. J. C 80 (2020) 73
- 1732 Measurement of differential cross sections for single diffractive dissociation in $\sqrt{s} = 8 \text{ TeV}$ pp collisions using the ATLAS ALFA spectrometer
 G Aad et al., JHEP 2002 (2020) 042,
 Erratum JHEP 2010 (2020) 182
- 1733 ATLAS data quality operations and performance for 2015-2018 data-taking
 G Aad et al., JINST 15 (2020) P04003
- 1734 Measurement of the $Z(\rightarrow \ell^+\ell^-)\gamma$ production cross-section in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector
 G Aad et al., JHEP 2003 (2020) 054
- 1735 Measurement of the azimuthal anisotropy of charged-particle production in $Xe+Xe$ collisions at $\sqrt{s_{NN}} = 5.44 \text{ TeV}$ with the ATLAS detector
 G Aad et al., Phys. Rev. C 101 (2020) 024906
- 1736 Search for direct stau production in events with two hadronic τ leptons in $\sqrt{s} = 13 \text{ TeV}$ pp collisions with the ATLAS detector
 G Aad et al., Phys. Rev. D 101 (2020) 032009
- 1737 Searches for electroweak production of supersymmetric particles with compressed mass spectra in $\sqrt{s} = 13 \text{ TeV}$ pp collisions with the ATLAS detector
 G Aad et al., Phys. Rev. D 101 (2020) 052005
- 1738 Search for long-lived neutral particles produced in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ decaying into displaced hadronic jets in the ATLAS inner detector and muon spectrometer
 G Aad et al., Phys. Rev. D 101 (2020) 052013
- 1739 Measurement of the transverse momentum distribution of DrellYan lepton pairs in protonproton collision-sat $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector
 G Aad et al., Eur. Phys. J. C80 (2020) 616
- 1740 Search for chargino-neutralino production with mass splittings near the electroweak scale in three-lepton final states in $\sqrt{s} = 13 \text{ TeV}$ pp collisions with the ATLAS detector
 G Aad et al., Phys. Rev. D 101 (2020) 072001

- 1741 Measurement of isolated-photon plus two-jet production in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., JHEP 03 (2020) 179
- 1742 Measurement of soft-drop jet observables in pp collisions with the ATLAS detector at $\sqrt{s} = 13$ TeV
 G Aad et al., Phys. Rev. D 101 (2020) 052007
- 1743 Search for the $HH \rightarrow b\bar{b}b\bar{b}$ process via vector-boson fusion production using proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., JHEP 07 (2020) 108,
 Errata JHEP 01 (2021) 145, JHEP 05 (2021) 207
- 1744 Test of CP invariance in vector-boson fusion production of the Higgs boson in the $H \rightarrow \tau\tau$ channel in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., Phys. Lett. B 805 (2020) 135426
- 1745 Observation of the associated production of a top quark and a Z boson in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., JHEP 07 (2020) 124
- 1746 Search for dijet resonances in events with an isolated charged lepton using $\sqrt{s} = 13$ TeV proton-proton collision data collected by the ATLAS detector
 G Aad et al., JHEP 06 (2020) 151
- 1747 Search for heavy Higgs bosons decaying into two tau leptons with the ATLAS detector using pp collisions at $\sqrt{s} = 13$ TeV
 G Aad et al., Phys. Rev. Lett. 125 (2020) 051801
- 1748 Measurement of azimuthal anisotropy of muons from charm and bottom hadrons in Pb+Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV with the ATLAS detector
 G Aad et al., Phys. Lett. B 807 (2020) 135595
- 1749 Measurements of the production cross-section for a Z boson in association with b -jets in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., JHEP 07 (2020) 044
- 1750 Search for long-lived, massive particles in events with a displaced vertex and a muon with large impact parameter in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., Phys. Rev. D 102 (2020) 032006
- 1751 Search for Higgs boson decays into a Z boson and a light hadronically decaying resonance using 13 TeV pp collision data from the ATLAS detector
 G Aad et al., Phys. Rev. Lett. 125 (2020) 221802
- 1752 Higgs boson production cross-section measurements and their EFT interpretation in the 4ℓ decay channel at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., Eur. Phys. J. C 80 (2020) 957,
 Errata Eur. Phys. J. C 81 (2021) 29 , Eur. Phys. J. C 81 (2021) 398
- 1753 Measurement of the Lund jet plane using charged particles in 13 TeV proton-proton collisions with the ATLAS detector
 G Aad et al., Phys. Rev. Lett. 124 (2020) 222002
- 1754 Measurements of the Higgs boson inclusive and differential fiducial cross sections in the 4ℓ decay channel at $\sqrt{s} = 13$ TeV
 G Aad et al., Eur. Phys. J. C 80 (2020) 942
- 1755 CP properties of Higgs boson interactions with top quarks in the $t\bar{t}H$ and tH Processes using $H \rightarrow \gamma\gamma$ with the ATLAS detector
 G Aad et al., Phys. Rev. Lett. 125 (2020) 061802
- 1756 Search for direct production of electroweakinos in final states with missing transverse momentum and a Higgs boson decaying into photons in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., JHEP 10 (2020) 005

- 1757 Performance of the ATLAS muon triggers in Run 2
 G Aad et al., JINST 15 (2020) P09015
- 1758 Search for a scalar partner of the top quark in the all-hadronic $t\bar{t}$ plus missing transverse momentum final state at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., Eur. Phys. J. C 80 (2020) 737
- 1759 Search for heavy diboson resonances in semileptonic final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., Eur. Phys. J. C 80 (2020) 1165
- 1760 Dijet resonance search with weak supervision using $\sqrt{s} = 13$ TeV pp collisions in the ATLAS detector
 G Aad et al., Phys. Rev. Lett. 125 (2020) 131801
- 1761 Combination of the W boson polarization measurements in top quark decays using ATLAS and CMS data at $\sqrt{s} = 8$ TeV
 G Aad et al., JHEP 08 (2020) 051
- 1762 Performance of the upgraded PreProcessor of the ATLAS Level-1 calorimeter trigger
 G Aad et al., JINST 15 (2020) P11016
- 1763 Search for $t\bar{t}$ resonances in fully hadronic final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., JHEP 10 (2020) 061
- 1764 A search for the $Z\gamma$ decay mode of the Higgs boson in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., Phys. Lett. B809 (2020) 135754
- 1765 Performance of the missing transverse momentum triggers for the ATLAS detector during Run-2 data taking
 G Aad et al., JHEP 2008 (2020) 080
- 1766 Search for Higgs boson decays into two new low-mass spin-0 particles in the $4b$ channel with the ATLAS detector using pp collisions at $\sqrt{s} = 13$ TeV
 G Aad et al., Phys. Rev. D 102 (2020) 112006
- 1767 Search for top squarks in events with a Higgs or Z boson using 139 fb^{-1} of pp collision data at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., Eur. Phys. J. C 80 (2020) 1080
- 1768 Search for pairs of scalar leptoquarks decaying into quarks and electrons or muons in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector
 G Aad et al., JHEP 10 (2020) 112
- 1769 Measurement of the $t\bar{t}$ production cross-section in the lepton+jets channel at $\sqrt{s} = 13$ TeV with the ATLAS experiment
 G Aad et al., Phys. Lett. B 810 (2020) 135797
- 1770 Search for new non-resonant phenomena in high-mass dilepton final states with the ATLAS detector
 G Aad et al., JHEP 11 (2020) 005,
 Erratum G Aad et al., JHEP 04 (2021) 142
- 1771 Measurements of inclusive and differential cross-sections of combined $t\bar{t}\gamma$ and $tW\gamma$ production in the $e\mu$ channel at 13 TeV with the ATLAS detector
 G Aad et al., JHEP 09 (2020) 049
- 1772 Search for resonances decaying into a weak vector boson and a Higgs boson in the fully hadronic final state produced in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., Phys. Rev. D 102 (2020) 112008
- 1773 Alignment of the ATLAS Inner Detector in Run-2
 G Aad et al., Eur. Phys. J. C 80 (2020) 12, 1194
- 1774 Operation of the ATLAS trigger system in Run 2
 G Aad et al., JINST 15 (2020) P10004

- 1775 Reconstruction and identification of boosted di- τ systems in a search for Higgs boson pairs using 13 TeV proton-proton collision data in ATLAS
G Aad et al., JHEP 11 (2020) 163
- 1776 Evidence for $t\bar{t}t\bar{t}$ production in the multilepton final state in protonproton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
G Aad et al., Eur. Phys. J. C 80 (2020) 1085
- 1777 Search for heavy resonances decaying into a photon and a hadronically decaying Higgs boson in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
G Aad et al., Phys. Rev. Lett. 125 (2020) 251802
- 1778 Search for new phenomena in final states with large jet multiplicities and missing transverse momentum using $\sqrt{s} = 13$ TeV proton-proton collisions recorded by ATLAS
G Aad et al., JHEP 2010 (2020) 062
- 1779 Observation and measurement of forward proton scattering in association with lepton pairs produced via the photon fusion mechanism at ATLAS
G Aad et al., Phys. Rev. Lett. 125 (2020) 261801
- 1780 Measurement of the jet mass in high transverse momentum $Z(\rightarrow b\bar{b})\gamma$ production at $\sqrt{s} = 13$ TeV using the ATLAS detector
G Aad et al., Phys. Lett. B 812 (2021) 135991
- 1781 Measurement of the relative B_c^\pm/B^\pm production cross section with the ATLAS detectorat $\sqrt{s} = 8$ TeV
M Aaboud et al., Phys. Rev. D 104 (2021) 012010
- 1782 Longitudinal flow decorrelations in Xe+Xe Collisions at $\sqrt{s_{NN}} = 5.44$ TeV with the ATLAS detector
G Aad et al., Phys. Rev. Lett. 126 (2021) 122301
- 1783 Measurement of the CP -violating phase ϕ_s in $B_s^0 \rightarrow J/\psi\phi$ decays in ATLAS at 13 TeV
G Aad et al., Eur. Phys. J. C 81 (2021) 342
- 1784 Measurements of top-quark pair single- and double-differential cross-sections in the all-hadronic channel in pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector
G Aad et al., JHEP 01 (2021) 033
- 1785 Differential cross-section measurements for the electroweak production of dijets in association with a Z boson in protonproton collisions at ATLAS
G Aad et al., Eur. Phys. J. C 81 (2021) 163
- 1786 Measurements of WH and ZH production in the $H \rightarrow b\bar{b}$ decay channel in pp collisions at 13 TeV with the ATLAS detector
G Aad et al., Eur. Phys. J. C 81 (2021) 178
- 1787 Jet energy scale and resolution measured in protonproton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
G Aad et al., Eur. Phys. J. C 81 (2021) 689
- 1788 Measurement of single top-quark production in association with a W boson in the single-lepton channel at $\sqrt{s} = 8$ TeV with the ATLAS detector
G Aad et al., Eur. Phys. J. C 81 (2021) 720
- 1789 A search for the dimuon decay of the Standard Model Higgs boson with the ATLAS detector
G Aad et al., Phys. Lett. B 812 (2021) 135980
- 1790 Test of the universality of τ and μ lepton couplings in W -boson decays with the ATLAS detector
G Aad et al., Nature Phys. 17 (2021) 813
- 1791 Measurement of light-by-light scattering and search for axion-like particles with 2.2 nb^{-1} of Pb+Pb data with the ATLAS detector
G Aad et al., JHEP 03 (2021) 243,
Erratum G Aad et al., JHEP 11 (2021) 050

- 1792 Measurement of the associated production of a Higgs boson decaying into b -quarks with a vector boson at high transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., Phys. Lett. B 816 (2021) 136204
- 1793 Measurement of hadronic event shapes in high- p_T multijet final states at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., JHEP 01 (2021) 188
- 1794 Search for type-III seesaw heavy leptons in dilepton final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., Eur. Phys. J. C 81 (2021) 218
- 1795 Medium-induced modification of Z -tagged charged particle yields in $Pb + Pb$ collisions at 5.02 TeV with the ATLAS detector
 G Aad et al., Phys. Rev. Lett. 126 (2021) 072301
- 1796 Optimisation of large-radius jet reconstruction for the ATLAS detector in 13 TeV protonproton collisions
 G Aad et al., Eur. Phys. J. C 81 (2021) 334
- 1797 Search for heavy resonances decaying into a pair of Z bosons in the $\ell^+\ell^-\ell^+\ell^-$ and $\ell^+\ell^-\nu\bar{\nu}$ final states using 139 fb^{-1} of protonproton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., Eur. Phys. J. C 81 (2021) 332
- 1798 Search for phenomena beyond the Standard Model in events with large b -jet multiplicity using the ATLAS detector at the LHC
 G Aad et al., Eur. Phys. J. C 81 (2021) 11
 G Aad et al., Eur. Phys. J. C 81 (2021) 249 (erratum)
- 1799 Search for pair production of scalar leptoquarks decaying into first- or second-generation leptons and top quarks in protonproton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., Eur. Phys. J. C 81 (2021) 313
- 1800 Search for charged-lepton-flavour violation in Z -boson decays with the ATLAS detector
 G Aad et al., Nature Phys. 17 (2021) 819
- 1801 Observation of photon-induced W^+W^- production in pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector
 G Aad et al., Phys. Lett. B 816 (2021) 136190
- 1802 Search for dark matter produced in association with a dark Higgs boson decaying into $W^\pm W^\mp$ or ZZ in fully hadronic final states from $\sqrt{s} = 13$ TeV pp collisions recorded with the ATLAS detector
 G Aad et al., Phys. Rev. Lett. 126 (2021) 121802
- 1803 Search for Higgs boson production in association with a high-energy photon via vector-boson fusion with decay into bottom quark pairs at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., JHEP 03 (2021) 268
- 1804 Search for squarks and gluinos in final states with jets and missing transverse momentum using 139 fb^{-1} of $\sqrt{s} = 13$ TeV pp collision data with the ATLAS detector
 G Aad et al., JHEP 02 (2021) 143
- 1805 Search for dark matter in association with an energetic photon in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., JHEP 02 (2021) 226
- 1806 Search for a heavy Higgs boson decaying into a Z boson and another heavy Higgs boson in the $\ell\ell bb$ and $\ell\ell WW$ final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., Eur. Phys. J. C 81 (2021) 396
- 1807 Measurements of Higgs bosons decaying to bottom quarks from vector boson fusion production with the ATLAS experiment at $\sqrt{s} = 13$ TeV
 G Aad et al., Eur. Phys. J. C 81 (2021) 537
- 1808 Search for displaced leptons in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector
 G Aad et al., Phys. Rev. Lett. 127 (2021) 051802

- 1809 Search for trilepton resonances from chargino and neutralino pair production in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector
 G Aad et al., Phys. Rev. D 103 (2021) 112003
- 1810 Search for dark matter produced in association with a single top quark in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector
 G Aad et al., Eur. Phys. J. C 81 (2021) 860
- 1811 Exclusive dimuon production in ultraperipheral Pb+Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV with ATLAS
 G Aad et al., Phys. Rev. C 104 (2021) 024906
- 1812 Muon reconstruction and identification efficiency in ATLAS using the full Run 2 pp collision data set at $\sqrt{s} = 13$ TeV
 G Aad et al., Eur. Phys. J. C 81 (2021) 578
- 1813 Search for new phenomena with top quark pairs in final states with one lepton, jets, and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., JHEP 04 (2021) 174
- 1814 Search for squarks and gluinos in final states with one isolated lepton, jets, and missing transverse momentum at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., Eur. Phys. J. C 81 (2021) 600,
 G Aad et al., Eur. Phys. J. C 81 (2021) 956 (erratum)
- 1815 The ATLAS Fast TracKer system
 G Aad et al., JINST 16 (2021) P07006
- 1816 Determination of the parton distribution functions of the proton from ATLAS measurements of differential W^\pm and Z boson production in association with jets
 G Aad et al., JHEP 07 (2021) 223
- 1817 Two-particle azimuthal correlations in photonuclear ultraperipheral Pb+Pb collisions at 5.02 TeV with ATLAS
 G Aad et al., Phys. Rev. C 104 (2021) 014903
- 1818 Search for pair production of third-generation scalar leptoquarks decaying into a top quark and a τ -lepton in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., JHEP 06 (2021) 179
- 1819 Search for doubly and singly charged Higgs bosons decaying into vector bosons in multi-lepton final states with the ATLAS detector using proton-proton collisions at $\sqrt{s} = 13$ TeV
 G Aad et al., JHEP 06 (2021) 146
- 1820 Search for new phenomena in final states with b -jets and missing transverse momentum in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector
 G Aad et al., JHEP 05 (2021) 093
- 1821 Search for new phenomena in events with two opposite-charge leptons, jets and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., JHEP 04 (2021) 165
- 1822 Search for charged Higgs bosons decaying into a top quark and a bottom quark at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., JHEP 06 (2021) 145
- 1823 Search for new phenomena in events with an energetic jet and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., Phys. Rev. D 103 (2021) 112006
- 1824 Performance of the ATLAS RPC detector and Level-1 muon barrel trigger at $\sqrt{s} = 13$ TeV
 G Aad et al., JINST 16 (2021) P07029
- 1825 Search for resonances decaying into photon pairs in 139 fb^{-1} of pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., Phys. Lett. B 822 (2021) 136651

- 1826 Measurements of differential cross-sections in four-lepton events in 13 TeV proton-proton collisions with the ATLAS detector
 G Aad et al., JHEP 07 (2021) 005
- 1827 Search for bottom-squark pair production in pp collision events at $\sqrt{s} = 13$ TeV with hadronically decaying τ -leptons, b -jets and missing transverse momentum using the ATLAS detector
 G Aad et al., Phys. Rev. D 104 (2021) 032014
- 1828 Evidence for Higgs boson decays to a low-mass dilepton system and a photon in pp collisions at $s=13$ TeV with the ATLAS detector
 G Aad et al., Phys. Lett. B 819 (2021) 136412
- 1829 Measurements of $W^+W^- + \geq 1$ jet production cross-sections in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector G Aad et al., JHEP 06 (2021) 003
- 1830 Search for supersymmetry in events with four or more charged leptons in 139 fb^{-1} of $\sqrt{s} = 1$ pp collisions with the ATLAS detector
 G Aad et al., JHEP 07 (2021) 167
- 1831 A search for the decays of stopped long-lived particles at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., JHEP 07 (2021) 173
- 1832 Measurements of the inclusive and differential production cross sections of a top-quark-antiquark pair in association with a Z boson at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aas et al., Eur. Phys. J. C 81 (2021) 737
- 1833 Search for dark matter in events with missing transverse momentum and a Higgs boson decaying into two photons in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., JHEP 10 (2021) 013
- 1834 Search for new phenomena in final states with two leptons and one or no b -tagged jets at $\sqrt{s} = 13$ TeV using the ATLAS detector
 G Aad et al., Phys. Rev. Lett. 127 (2021) 141801
- 1835 Search for R-parity-violating supersymmetry in a final state containing leptons and many jets with the ATLAS experiment using $\sqrt{s} = 13$ TeV proton-proton collision data
 G Aad et al., Eur. Phys. J. C 81 (2021) 1023
- 1836 Configuration and performance of the ATLAS b -jet triggers in Run 2
 G Aad et al., Eur. Phys. J. C 81 (2021) 1087
- 1837 Search for chargino-neutralino pair production in final states with three leptons and missing transverse momentum in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector
 G Aad et al., Eur. Phys. J. C 81 (2021) 1118
- 1838 Measurements of sensor radiation damage in the ATLAS inner detector using leakage currents
 G Aad et al., JINST 16 (2021) P08025
- 1839 Measurement of the $t\bar{t}t\bar{t}$ production cross section in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., JHEP 11 (2021) 118
- 1840 Search for exotic decays of the Higgs boson into long-lived particles in pp collisions at $\sqrt{s} = 13$ TeV using displaced vertices in the ATLAS inner detector G Aad et al., JHEP 11 (2021) 229
- 1841 Measurement of the production cross section of pairs of isolated photons in pp collisions at 13 TeV with the ATLAS detector
 G Aad et al., JHEP 11 (2021) 169
- 1842 Search for new phenomena in pp collisions final states with tau leptons, b -jets, and missing transverse momentum with the ATLAS detector
 G Aad et al., Phys. Rev. D 104 (2021) 112005
- 1843 Search for charginos and neutralinos in final states with two boosted hadronically decaying bosons and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., Phys. Rev. D 104 (2021) 112010

- 1844 Search for dark matter produced in association with a Standard Model Higgs boson decaying into b -quarks using the full Run 2 dataset from the ATLAS detector
 G Aad et al., JHEP 11 (2021) 209
- 1845 Emulating the impact of additional proton-proton interactions in the ATLAS simulation by presampling sets of inelastic Monte Carlo events
 G Aad et al., Comput. Softw. Big Sci. 6 (2022) 3
- 1846 Performance of the ATLAS Level-1 topological trigger in Run 2
 G Aad et al., Eur. Phys. J. C 82 (2022) 7
- 1847 Search for lepton-flavor violation in Z -boson decays with τ -leptons with the ATLAS detector
 G Aad et al., Phys. Rev. Lett. 127 (2022) 271801
- 1848 Search for new phenomena in three- or four-lepton events in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., Phys. Lett. B 824 (2022) 136832
- 1849 The ATLAS inner detector trigger performance in pp at 13 TeV during LHC Run 2
 G Aad et al., Eur. Phys. J. C 82 (2022) 206
- 1850 Measurement of the energy response of the ATLAS calorimeter to charged pions from $W^\pm \rightarrow \tau^\pm (\rightarrow \pi^\pm \nu_\tau) \nu_\tau$ events in Run 2 data
 G Aad et al., Eur. Phys. J. C 82 (2022) 223
- 1851 Search for heavy particles in the b -tagged dijet mass distribution with additional b -tagged jets in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS experiment
 G Aad et al., Phys. Rev. D 105 (2022) 012001
- 1852 Observation of electroweak production of two jets in association with an isolated photon and missing transverse momentum, and search for a Higgs boson decaying into invisible particles at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., Eur. Phys. J. C 82 (2022) 105
- 1853 Measurement of the nuclear modification factor for muons from charm and bottom hadrons in Pb+Pb collisions at 5.02 GeV with the ATLAS detector
 G Aad et al., Phys. Lett. B 829 (2022) 137077
- 1854 Atlfast3: the next generation of fast simulation in ATLAS
 G Aad et al., Comput. Softw. Big Sci. 6 (2022) 7
- 1855 Operation and performance of the ATLAS semiconductor tracker in LHC Run 2
 G Aad et al., JINST 17 (2022) P01013
- 1856 Search for exotic decays of the Higgs boson into $b\bar{b}$ and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., JHEP 01 (2022) 063
- 1857 Measurement of the c -jet mistagging efficiency in $t\bar{t}$ events using pp collision data at $\sqrt{s} = 13$ TeV collected with the ATLAS detector
 G Aad et al., Eur. Phys. J. C 82 (2022) 95
- 1858 Constraints on Higgs boson properties using $WW^*(\rightarrow e\nu\mu\nu)jj$ production in 36.1 fb^{-1} of $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector
 G Aad et al., Eur. Phys. J. C 82 (2022) 622
- 1859 Search for Higgs boson decays into a pair of pseudoscalar particles in the $bb\mu\mu$ final state with the ATLAS detector in pp collisions at $\sqrt{s} = 13$ TeV
 G Aad et al., Phys. Rev. D 105 (2022) 012006
- 1860 Measurement of the energy asymmetry in $t\bar{t}j$ production at 13 TeV with the ATLAS experiment and interpretation in the SMEFT framework
 G Aad et al., Eur. Phys. J. C 82 (2022) 374

- 1861 Search for Higgs bosons decaying into new spin-0 or spin-1 particles in four-lepton final states with the ATLAS detector with 139 fb^{-1} of pp collision data at $\sqrt{s} = 13 \text{ TeV}$
 G Aad et al., JHEP 06 (2022) 041
- 1862 Measurement of Higgs boson decay into b -quarks in associated production with a top-quark pair in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector
 G Aad et al., JHEP 06 (2022) 097
- 1863 Measurements of azimuthal anisotropies of jet production in Pb+Pb collisions at $\sqrt{s_{NN}} = 5.02 \text{ TeV}$ with the ATLAS detector
 G Aad et al., Phys. Rev. C 105 (2022) 064903
- 1864 Constraints on Higgs boson production with large transverse momentum using $H \rightarrow b\bar{b}$ decays in the ATLAS detector
 G Aad et al., Phys. Rev. D 105 (2022) 092003
- 1865 Search for associated production of a Z boson with an invisibly decaying Higgs boson or dark matter candidates at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector
 G Aad et al., Phys. Lett. B 829 (2022) 137006
- 1866 Search for flavour-changing neutral-current interactions of a top quark and a gluon in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector
 G Aad et al., Eur. Phys. C 82 (2022) 334
- 1867 A search for an unexpected asymmetry in the production of $e^+\mu^-$ and $e^-\mu^+$ pairs in proton-proton collisions recorded by the ATLAS detector
 G Aad et al., Phys. Lett. B 830 (2022) 137106
- 1868 Modelling and computational improvements to the simulation of single vector-boson plus jet process for the ATLAS experiment
 G Aad et al., JHEP 08 (2022) 089
- 1869 Determination of the parton distribution functions of the proton using diverse ATLAS data from pp at $\sqrt{s} = 7, 8$ and 13 TeV
 G Aad et al., Eur. Phys. C 82 (2022) 438
- 1870 Search for Higgs boson pair production in the two bottom quarks plus two photons final state in pp at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector
 G Aad et al., Phys. Rev. D 106 (2022) 052001
- 1871 Search for long-lived charginos based on a disappearing-track signature using 136 fb^{-1} of pp at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector
 G Aad et al., Eur. Phys. C 82 (2022) 606
- 1872 Search for single production of a vectorlike T quark decaying into a Higgs boson and top quark with fully hadronic final states using the ATLAS detector
 G Aad et al., Phys. Rev. D 105 (2022) 092012
- 1873 Measurements of Higgs boson production cross-sections in the $H \rightarrow \tau^+\tau^-$ decay channel in pp at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector
 G Aad et al., JHEP 08 (2022) 175
- 1874 Direct constraint on the Higgs-charm coupling from a search for Higgs boson decays into charm quarks with the ATLAS detector
 G Aad et al., Eur. J Phys. C 82 (2022) 717
- 1875 Observation of WWW production in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector
 G Aad et al., Phys. Rev. Lett. 129 (2022) 061803
- 1876 Measurements of the Higgs boson inclusive and differential fiducial cross-sections in the diphoton decay channel with pp at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector
 G Aad et al., JHEP 08 (2022) 027
- 1877 Two-particle Bose-Einstein correlations in pp at $\sqrt{s} = 13 \text{ TeV}$ measured with the ATLAS detector
 G Aad et al., Eur. Phys. C 82 (2022) 608

- 1878 Search for type-III seesaw heavy leptons in leptonic final states in pp at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., Eur. Phys. C 82 (2022) 988
- 1879 Search for resonant pair production of Higgs bosons in the $b\bar{b}b\bar{b}$ final state using pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., Phys. Rev. D 105 (2022) 092002
- 1880 Search for invisible Higgs-boson decays in events with vector-boson fusion signatures using 139 fb^{-1} of proton-proton data recorded by the the ATLAS detector
 G Aad et al., JHEP 08 (2022) 104
- 1881 Measurement of the polarisation of single top quarks and antiquarks produced in the t -channel at $\sqrt{s} = 13$ TeV and bounds on the tWb dipole operator from the ATLAS detector
 G Aad et al., JHEP 11 (2022) 040
- 1882 Measurements of differential cross-sections in top-quark pair events with a high transverse momentum top quark and limits on beyond the Standard Model contributions to top-quark pair production with the ATLAS detector at $\sqrt{s} = 13$ TeV
 G Aad et al., JHEP 06 (2022) 063
- 1883 Measurements of jet observables sensitive to b -quark fragmentation in $t\bar{t}$ events at the LHC with the ATLAS detector
 G Aad et al., Phys. Rev. D 106 (2022) 032008
- 1884 Search for events wth a pair of displaced vertices from long-lived neutral particles decaying into hadronic jets in the ATLAS muon spectrometer in pp at $\sqrt{s} = 13$ TeV
 G Aad et al., Phys. Rev. D 106 (2022) 032005
- 1885 Search for neutral-long-lived particles in pp that decay into displaced hadronic jets in the ATLAS calorimeter
 G Aad et al., JHEP 06 (2022) 005
- 1886 Study of $B_c^+ \rightarrow J/\psi D_s^+$ and $B_c^+ \rightarrow J/\psi D_s^{*+}$ decays in pp at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., JHEP 08 (2022) 087
- 1887 A detailed map of Higgs boson interactions by the ATLAS experiment ten years after the discovery
 G Aad et al., Nature 607 (2022) 7917, 52, Nature 612 (2022) 7941, E24 (erratum)
- 1888 Search for single vector-like B quark production and decay via $B \rightarrow bH(b\bar{b})$ in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., JHEP 11 (2023) 168
- 1889 Search for lepton-flavour violation in high-mass dilepton final states using 139 fb^{-1} of pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., JHEP 10 (2023) 082
- 1890 Observation of electroweak production of two jets and a Z -boson pair
 G Aad et al., Nature Phys. 19 (2023) 2, 237
- 1891 Search for the charged-lepton-flavor-violating decay $Z \rightarrow e\mu$ in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., Phys. Rev. D 108 (2023) 032015
- 1892 Search for heavy neutral leptons in decays of W bosons using a dilepton displaced vertex in $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., Phys. Rev. Lett. 131 (2023) 061803
- 1893 Searches for new phenomena in events with two leptons, jets, and missing transverse momentum in 139 fb^{-1} of $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector
 G Aad et al., Eur. Phys. J. C 83 (2023) 515
- 1894 Measurement of the nuclear modification factor of b -jets in 5.02 TeV Pb+Pb collisions with the ATLAS detector
 G Aad et al., Eur. Phys. J. C 83 (2023) 438

- 1895 Observation of the $\gamma\gamma \rightarrow \tau\tau$ process in Pb+Pb collisions and constraints on the τ -lepton anomalous magnetic moment with the ATLAS detector
 G Aad et al., Phys. Rev. Lett. 131 (2023) 151802
- 1896 Correlations between flow and transverse momentum in Xe+Xe and Pb+Pb collisions at the LHC with the ATLAS detector : A probe of the heavy-ion initial state and nuclear deformation
 G Aad et al., Phys. Rev. C 107 (2023) 054910
- 1897 Measurements of the suppression and correlations of dijets in Pb+Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV
 G Aad et al., Phys. Rev. C 107 (2023) 054908, Phys. Rev. C 109 (2024) 029901 (erratum)
- 1898 Differential $t\bar{t}$ cross-section measurements using boosted top quarks in the all-hadronic final state with 139 fb^{-1} of ATLAS data
 G Aad et al., JHEP 04 (2023) 080
- 1899 Cross-section measurements for the production of a Z boson in association with high-transverse-momentum jets in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., JHEP 06 (2023) 080
- 1900 Search for flavour-changing neutral-current couplings between the top quark and the photon with the ATLAS detector at $\sqrt{s} = 13$ TeV
 G Aad et al., Phys. Lett. B 842 (2023) 137379, Phys. Lett. B 847 (2024) 138286 (erratum)
- 1901 Combination of searches for invisible decays of the Higgs boson using 139 fb^{-1} of proton-proton collision data at $\sqrt{s} = 13$ TeV collected with the ATLAS experiment
 G Aad et al., Phys. Lett. B 842 (2023) 137963
- 1902 Production of $\Upsilon(nS)$ mesons in Pb+Pb and pp collisions at 5.02 TeV
 G Aad et al., Phys. Rev. C 107 (2023) 054912
- 1903 Search for heavy, long-lived, charged particles with large ionisation energy loss in pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS experiment and the full Run 2 dataset
 G Aad et al., JHEP 2306 (2023) 158
- 1904 Combination of inclusive top-quark pair production cross-section measurements using ATLAS and CMS data at $\sqrt{s} = 7$ and 8 TeV
 G Aad et al., JHEP 07 (2023) 213
- 1905 Strong constraints on jet quenching in centrality-dependent p +Pb collisions at 5.02 TeV from ATLAS
 G Aad et al., Phys. Rev. Lett. 131 (2023) 072301
- 1906 Search for new phenomena in final states with photons, jets and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., JHEP 07 (2023) 021
- 1907 Search for light long-lived neutral particles that decay to collimated pairs of leptons or light hadrons in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., JHEP 06 (2023) 153
- 1908 Measurement of muon pairs produced via γ/gamma scattering in nonultraperipheral Pb+Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV with the ATLAS detector
 G Aad et al., Phys. Rev. C 107 (2023) 054907
- 1909 Measurements of W^+W^- production in decay topologies inspired by searches for electroweak supersymmetry
 G Aad et al., Eur. Phys. J. C 83 (2023) 718
- 1910 Measurement of the Higgs boson mass in the $H \rightarrow ZZ^* \rightarrow 4\ell$ decay channel using 139 fb^{-1} of at $\sqrt{s} = 13$ TeV pp collisions recorded by the ATLAS detector at the LHC
 G Aad et al., Phys. Lett. B 843 (2023) 137880
- 1911 Measurement of the properties of Higgs boson production at $\sqrt{s} = 13$ TeV in the $H \rightarrow \gamma\gamma$ channel using 139 fb^{-1} of pp collision data with the ATLAS experiment
 G Aad et al., JHEP 07 (2023) 088

- 1912 Measurements of Higgs boson production by gluon-gluon fusion and vector-boson fusion using $H \rightarrow WW^* \rightarrow e\nu$ decays in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
G Aad et al., Phys. Rev. D 108 (2023) 032005
- 1913 Search for heavy resonances decaying into a Z or W boson and a Higgs boson in final states with leptons and b -jets in 139 fb^{-1} of pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
G Aad et al., JHEP 06 (2023) 016
- 1914 Measurement of the $t\bar{t}$ production cross-section in pp collisions at $\sqrt{s} = 5.02$ TeV with the ATLAS detector
G Aad et al., JHEP 06 (2023) 138
- 1915 Search for resonant WZ production in the fully leptonic final state in protonproton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
G Aad et al., Eur. Phys. J. C 83 (2023) 633
- 1916 Measurement of the total and differential Higgs boson production cross-sections at $\sqrt{s} = 13$ TeV with the ATLAS detector by combining the $H \rightarrow ZZ^* \rightarrow 4\ell$ and $H \rightarrow \gamma\gamma$ decay channels
G Aad et al., Eur. Phys. J. C 83 (2023) 441
- 1917 Measurement of the total cross section and ρ -parameter from elastic scattering in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
G Aad et al., Eur. Phys. J. C 83 (2023) 441
- 1918 Exclusive dielectron production in ultraperipheral Pb+Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV with ATLAS
G Aad et al., JHEP 2306 (2023) 182
- 1919 Test of CP Invariance in Higgs-boson vector-boson-fusion production using the $H \rightarrow \gamma\gamma$ channel with the ATLAS detector
G Aad et al., Phys. Rev. Lett. 131 (2023) 061802
- 1920 Searches for exclusive Higgs and Z boson decays into a vector quarkonium state and a photon using 139 fb^{-1} of ATLAS $\sqrt{s} = 13$ TeV protonproton collision data
G Aad et al., Eur. Phys. J. C 83 (2023) 781
- 1921 Search for flavour-changing neutral current interactions of the top quark and the Higgs boson in events with a pair of τ -leptons in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
G Aad et al., JHEP 2306 (2023) 155
- 1922 Evidence for the charge asymmetry in $pp \rightarrow t\bar{t}$ production at $\sqrt{s} = 13$ TeV with the ATLAS detector
G Aad et al., JHEP 08 (2023) 077
- 1923 Measurement of electroweak $Z(\nu/\bar{\nu}\nu\gamma jj)$ production and limits on anomalous quartic gauge couplings in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
G Aad et al., JHEP 06 (2023) 082
- 1924 Measurement of the top-quark mass using a leptonic invariant mass in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
G Aad et al., JHEP 06 (2023) 019
- 1925 Measurement of cross-sections for production of a ZZ boson in association with a flavor-inclusive or doubly bb -tagged large-radius jet in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS experiment
G Aad et al., Phys. Rev. D 108 (2023) 1, 012022
- 1926 Search for displaced photons produced in exotic decays of the Higgs boson using 13 TeV pp collisions with the ATLAS detector
G Aad et al., Phys. Rev. D 108 (2023) 032016
- 1927 Measurements of observables sensitive to colour reconnection in $t\bar{t}$ events with the ATLAS detector at $\sqrt{s} = 13$ TeV
G Aad et al., JHEP 06 (2023) 191
- 1928 Measurement of single top-quark production in the s -channel in protonproton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
G Aad et al., JHEP 06 (2023) 191

- 1929 Search for resonant and non-resonant Higgs boson pair production in the $b\bar{b}t^+t^-$ decay channel using 13 TeV pp collision data from the ATLAS detector
G Aad et al., JHEP 07 (2023) 040
- 1930 Search for direct pair production of sleptons and charginos decaying to two leptons and neutralinos with mass splittings near the W-boson mass in at $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector
G Aad et al., JHEP 06 (2023) 031
- 1931 Measurement of the polarisation of W bosons produced in top-quark decays using dilepton events at $\sqrt{s} = 13$ TeV with the ATLAS experiment
G Aad et al., Phys. Lett. B 843 (2023) 137829
- 1932 A search for new resonances in multiple final states with a high transverse momentum Z boson in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector
G Aad et al., JHEP 06 (2023) 036
- 1933 Search for pair-produced scalar and vector leptoquarks decaying into third-generation quarks and first- or second-generation leptons in pp collisions with the ATLAS detector
G Aad et al., JHEP 2306 (2023) 188
- 1934 Search for Higgs boson pair production in association with a vector boson in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
G Aad et al., Eur. Phys. J. C 83 (2023) 519
- 1935 Search for pair-production of vector-like quarks in pp collision events at $\sqrt{s} = 13$ TeV with at least one leptonically decaying Z boson and a third-generation quark with the ATLAS detector
G Aad et al., Phys. Lett. B 843 (2023) 138019
- 1936 Constraints on the Higgs boson self-coupling from single- and double-Higgs production with the ATLAS detector using pp collisions at $\sqrt{s} = 13$ TeV
G Aad et al., Phys. Lett. B 843 (2023) 137745
- 1937 Search for $t\bar{t}H/A \rightarrow t\bar{t}t\bar{t}$ production in the multilepton final state in protonproton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
G Aad et al., JHEP 07 (2023) 203
- 1938 A search for heavy Higgs bosons decaying into vector bosons in same-sign two-lepton final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
G Aad et al., JHEP 07 (2023) 200
- 1939 Search for boosted diphoton resonances in the 10 to 70 GeV mass range using 138 fb^{-1} of 13 TeV pp collisions with the ATLAS detector
G Aad et al., JHEP 07 (2023) 155
- 1940 Constraints on spin-0 dark matter mediators and invisible Higgs decays using ATLAS 13 TeV pp collision data with two top quarks and missing transverse momentum in the final state
G Aad et al., Eur. Phys. J. C 83 (2023) 503
- 1941 Search for dark matter produced in association with a dark Higgs boson decaying into W^+W^- in the one-lepton final state at $\sqrt{s} = 13$ TeV using 139 fb^{-1} of pp collisions recorded with the ATLAS detector
G Aad et al., JHEP 07 (2023) 116
- 1942 Search for doubly charged Higgs boson production in multi-lepton final states using 139 fb^{-1} of proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
G Aad et al., Eur. Phys. J. C 83 (2023) 605
- 1943 Search for supersymmetry in final states with missing transverse momentum and three or more b-jets in 139 fb^{-1} of protonproton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
G Aad et al., Eur. Phys. J. C 83 (2023) 561
- 1944 Search for new phenomena in multi-body invariant masses in events with at least one isolated lepton and two jets using at $\sqrt{s} = 13$ TeV protonproton collision data collected by the ATLAS detector
G Aad et al., JHEP 07 (2023) 202

- 1945 Observation of gauge boson joint-polarisation states in WZ production from pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., Phys. Lett. B 843 (2023) 137895
- 1946 Measurement of substructure-dependent jet suppression in Pb+Pb collisions at 5.02 TeV with the ATLAS detector
 G Aad et al., Phys. Rev. C 107 (2023) 054909
- 1947 Search for dark matter produced in association with a single top quark and an energetic WW boson in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector
 G Aad et al., Eur. Phys. J. C 83 (2023) 603
- 1948 ATLAS flavour-tagging algorithms for the LHC Run 2 pp collision dataset
 G Aad et al., Eur. Phys. J. C 83 (2023) 681
- 1949 Measurement of $Z\gamma\gamma$ production in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., Eur. Phys. J. C 83 (2023) 539
- 1950 Charged-hadron production in pp , $pp+\text{Pb}$, $\text{Pb}+\text{Pb}$, and $\text{Xe}+\text{Xe}$ collisions at $\sqrt{s_{NN}} = 5$ TeV with the ATLAS detector at the LHC
 G Aad et al., JHEP 07 (2023) 074
- 1951 Tools for estimating fake/non-prompt lepton backgrounds with the ATLAS detector at the LHC
 G Aad et al., JINST 18 (2023) 11, T11004
- 1952 Measurement of the inclusive $t\bar{t}$ production cross section in the lepton+jets channel in pp collisions at $s=7$ TeV with the ATLAS detector using support vector machines
 G Aad et al., Phys. Rev. D 108 (2023) 032014
- 1953 Measurement of exclusive pion pair production in protonproton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector
 G Aad et al., Eur. Phys. J. C 83 (2023) 627
- 1954 Search for pair-produced vector-like top and bottom partners in events with large missing transverse momentum in pp collisions with the ATLAS detector
 G Aad et al., Eur. Phys. J. C 83 (2023) 719
- 1955 Measurement of the CP properties of Higgs boson interactions with $t\bar{t}$ -leptons with the ATLAS detector
 G Aad et al., Eur. Phys. J. C 83 (2023) 563
- 1956 Studies of the muon momentum calibration and performance of the ATLAS detector with pp collisions at $\sqrt{s} = 13$ TeV
 G Aad et al., Eur. Phys. J. C 83 (2023) 686
- 1957 Measurements of $Z\gamma+\text{jets}$ differential cross sections in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., JHEP 07 (2023) 072
- 1958 Search for dark photons from Higgs boson decays via ZH production with a photon plus missing transverse momentum signature from pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., JHEP 07 (2023) 133
- 1959 Luminosity determination in pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector at the LHC
 G Aad et al., Eur. Phys. J. C 83 (2023) 982
- 1960 Measurement of the charge asymmetry in top-quark pair production in association with a photon with the ATLAS experiment
 G Aad et al., Phys. Lett. B 843 (2023) 137848
- 1961 Search for nonresonant pair production of Higgs bosons in the $b\bar{b}$ final state in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., Phys. Rev. D 108 (2023) 052003
- 1962 Search for leptonic charge asymmetry in $t\bar{t}W$ production in final states with three leptons at $\sqrt{s} = 13$ TeV
 G Aad et al., JHEP 07 (2023) 033

- 1963 Search for a new scalar resonance in flavour-changing neutral-current top-quark decays $t \rightarrow qX(q = u, c)$, with $X \rightarrow b\bar{b}$, in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
G Aad et al., JHEP 07 (2023) 199
- 1964 Measurement of the suppression of large-radius jets and its dependence on substructure in Pb+Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV with the ATLAS detector
G Aad et al., Phys. Rev. Lett. 131 (2023) 172301
- 1965 Calibration of the light-flavour jet mistagging efficiency of the b-tagging algorithms with Z+jets events using 139 fb^{-1} of ATLAS proton-proton collision data at $\sqrt{s} = 13$ TeV
G Aad et al., Eur. Phys. J. C 83 (2023) 728
- 1966 Measurements of differential cross sections of Higgs boson production through gluon fusion in the $H \rightarrow WW^* \rightarrow e\nu\mu\nu$ final state at $\sqrt{s} = 13$ TeV with the ATLAS detector
G Aad et al., Eur. Phys. J. C 83 (2023) 774
- 1967 Determination of the strong coupling constant from transverse energy-energy correlations in multijet events at $\sqrt{s} = 13$ TeV with the ATLAS detector
G Aad et al., JHEP 07 (2023) 085
- 1968 Search for a new Z' gauge boson in 4μ events with the ATLAS experiment
G Aad et al., JHEP 07 (2023) 090
- 1969 Search for exclusive Higgs and Z boson decays to $\omega\gamma$ and Higgs boson decays to $K^*\gamma$ with the ATLAS detector
G Aad et al., Phys. Lett. B 847 (2023) 138292
- 1970 Model-independent search for the presence of new physics in events including $H \rightarrow \gamma\gamma$ with $\sqrt{s} = 13$ TeV pp data recorded by the ATLAS detector at the LHC
G Aad et al., JHEP 07 (2023) 176
- 1971 Search for flavor-changing neutral-current couplings between the top quark and the Z boson with proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
G Aad et al., Phys. Rev. D 108 (2023) 032019
- 1972 Search for long-lived, massive particles in events with displaced vertices and multiple jets in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
G Aad et al., JHEP 2306 (2023) 200
- 1973 Inclusive-photon production and its dependence on photon isolation in pp collisions at $\sqrt{s} = 13$ TeV using 139 fb^{-1} of ATLAS data
G Aad et al., JHEP 07 (2023) 086
- 1974 Measurement of the production of a W boson in association with a charmed hadron in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
G Aad et al., Phys. Rev. D 108 (2023) 032012
- 1975 Observation of single-top-quark production in association with a photon using the ATLAS detector
G Aad et al., Phys. Rev. Lett. 131 (2023) 181901
- 1976 Measurements of the suppression and correlations of dijets in Xe+Xe collisions at $\sqrt{s_{NN}} = 5.44$ TeV
G Aad et al., Phys. Rev. C 108 (2023) 02490
- 1977 Searches for lepton-flavour-violating decays of the Higgs boson into $e\bar{e}$ and $t\bar{t}$ in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector
G Aad et al., JHEP 07 (2023) 166
- 1978 Search for a light charged Higgs boson in $t \rightarrow H^\pm b$ decays, with $H^\pm \rightarrow cb$, in the lepton+jets final state in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
G Aad et al., JHEP 09 (2023) 004
- 1979 Search for pair production of third-generation leptoquarks decaying into a bottom quark and a τ -lepton with the ATLAS detector
G Aad et al., Eur. Phys. J. C 83 (2023) 1075

- 1980 Search for third-generation vector-like leptons in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., JHEP 07 (2023) 118
- 1981 Search for excited τ -leptons and leptoquarks in the final state with τ -leptons and jets in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., JHEP 06 (2023) 199
- 1982 Comparison of inclusive and photon-tagged jet suppression in 5.02 TeV Pb+Pb collisions with ATLAS
 G Aad et al., Phys. Lett. B 846 (2023) 138154
- 1983 Search for heavy long-lived multi-charged particles in the full LHC Run 2 pp collision data at $\sqrt{s} = 13$ TeV using the ATLAS detector
 G Aad et al., Phys. Lett. B 847 (2023) 138316
- 1984 Inclusive and differential cross-sections for dilepton $t\bar{t}$ production measured in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector
 G Aad et al., JHEP 07 (2023) 141
- 1985 Observation of four-top-quark production in the multilepton final state with the ATLAS detector
 G Aad et al., Eur. Phys. J. C 83 (2023) 496, Eur. Phys. J. C 84 (2024) 156 (erratum)
- 1986 Measurement of the sensitivity of two-particle correlations in pp collisions to the presence of hard scatterings
 G Aad et al., Phys. Rev. Lett. 131 (2023) 162301
- 1987 New techniques for jet calibration with the ATLAS detector
 G Aad et al., Eur. Phys. J. C 83 (2023) 761
- 1988 Evidence of off-shell Higgs boson production from ZZ leptonic decay channels and constraints on its total width with the ATLAS detector
 G Aad et al., Phys. Lett. B 846 (2023) 138223
- 1989 Fiducial and differential cross-section measurements for the vector-boson-fusion production of the Higgs boson in the $H \rightarrow WW^* \rightarrow e\nu\mu\nu$ decay channel at 13 TeV with the ATLAS detector
 G Aad et al., Phys. Rev. D 108 (2023) 072003
- 1990 Observation of an excess of dicharmonium events in the four-muon final state with the ATLAS detector
 G Aad et al., Phys. Rev. Lett. 131 (2023) 151902
- 1991 Search for heavy Majorana or Dirac neutrinos and right-handed WW gauge bosons in final states with charged leptons and jets in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., Eur. Phys. J. C 83 (2023) 1164
- 1992 Search for an axion-like particle with forward proton scattering in association with photon pairs at ATLAS
 G Aad et al., JHEP 07 (2023) 234
- 1993 Search for high-mass $W\gamma$ and $Z\gamma$ resonances using hadronic W/Z boson decays from 139 fb^{-1} of pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., JHEP 07 (2023) 125
- 1994 Search in diphoton and dielectron final states for displaced production of Higgs or Z bosons with the ATLAS detector in $s=13$ TeV pp collisions
 G Aad et al., Phys. Rev. D 108 (2023) 012012
- 1995 Performance of the reconstruction of large impact parameter tracks in the inner detector of ATLAS
 G Aad et al., Eur. Phys. J. C 83 (2023) 1081
- 1996 Search for a new pseudoscalar decaying into a pair of muons in events with a top-quark pair $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., Phys. Rev. D 108 (2023) 092007
- 1997 Search for pairs of muons with small displacements in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., Phys. Lett. B 846 (2023) 138172

- 1998 Search for single production of vector-like T quarks decaying into Ht or Zt in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
G Aad et al., JHEP 08 (2023) 153
- 1999 Search for periodic signals in the dielectron and diphoton invariant mass spectra using 139 fb^{-1} of pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
G Aad et al., JHEP 10 (2023) 079
- 2000 Search for dark matter produced in association with a Higgs boson decaying to tau leptons at $\sqrt{s} = 13$ TeV with the ATLAS detector
G Aad et al., JHEP 09 (2023) 189, JHEP 09 (2023) 189
- 2001 Search for Majorana neutrinos in same-sign WW scattering events from pp collisions at $\sqrt{s} = 13$ TeV
G Aad et al., Eur. Phys. J. C 83 (2023) 824
- 2002 Search for leptoquarks decaying into the bt final state in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
G Aad et al., JHEP 10 (2023) 001
- 2003 Measurements of multijet event isotropies using optimal transport with the ATLAS detector
G Aad et al., JHEP 10 (2023) 001
- 2004 Measurement of the cross-sections of the electroweak and total production of a $Z\gamma$ pair in association with two jets in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
G Aad et al., Phys. Lett. B 846 (2023) 138222
- 2005 Anomaly detection search for new resonances decaying into a Higgs boson and a generic new particle X in hadronic final states using $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector
G Aad et al., Phys. Rev. D 108 (2023) 052009
- 2006 Fast b -tagging at the high-level trigger of the ATLAS experiment in LHC Run 3
G Aad et al., JINST 18 (2023) 11, P11006
- 2007 Search for a new heavy scalar particle decaying into a Higgs boson and a new scalar singlet in final states with one or two light leptons and a pair of τ -leptons with the ATLAS detector
G Aad et al., JHEP 10 (2023) 009
- 2008 Pursuit of paired dijet resonances in the Run 2 dataset with ATLAS
G Aad et al., Phys. Rev. D 108 (2023) 112005
- 2009 Measurement of the $B_s^0 \rightarrow \mu\mu$ effective lifetime with the ATLAS detector
G Aad et al., JHEP 09 (2023) 199
- 2010 Combined measurement of the Higgs boson mass from the $H \rightarrow \gamma\gamma$ and to $ZZ^* \rightarrow 4\ell$ decay channels with the ATLAS detector using $\sqrt{s} = 7, 8$ and 13 TeV pp collision data
G Aad et al., Phys. Rev. Lett. 131 (2023) 25180
- 2011 Search for magnetic monopoles and stable particles with high electric charges in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector
G Aad et al., JHEP 11 (2023) 112
- 2012 Search for direct production of winos and higgsinos in events with two same-charge leptons or three leptons in pp collision data at $\sqrt{s} = 13$ TeV with the ATLAS detector
G Aad et al., f JHEP 11 (2023) 150
- 2013 Measurement of the Higgs boson mass with $H \rightarrow \gamma\gamma$ decays in 140 fb^{-1} of $s=13$ TeV pp collisions with the ATLAS detector
G Aad et al., Phys. Lett. B 847 (2023) 138315
- 2014 Search for dark photons in rare Z boson decays with the ATLAS detector
G Aad et al., Phys. Rev. Lett. 131 (2023) 251801
- 2015 Search for heavy Higgs bosons with flavour-violating couplings in multi-lepton plus b jets final states in pp at 13 TeV with the ATLAS detector
G Aad et al., JHEP 12 (2023) 081

- 2016 Search for direct production of electroweakinos in final states with one lepton, jets and missing transverse momentum in pp at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., JHEP 12 (2023) 167
- 2017 Evidence of pair production of longitudinally polarised vector bosons and study of CP properties in $ZZ \rightarrow 4\ell$ events with the ATLAS detector at $\sqrt{s} = 13$ TeV
 G Aad et al., JHEP 12 (2023) 107
- 2018 Search for flavour-changing neutral tqH interactions with $H \rightarrow \gamma\gamma$ in pp at $\sqrt{s} = 13$ TeV using the ATLAS detector
 G Aad et al., JHEP 12 (2023) 195
- 2019 Search for vector-boson resonances decaying into a top quark and a bottom quark using pp at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., JHEP 12 (2023) 073
- 2020 Deep Generative Models for fast photon shower simulation in ATLAS
 G Aad et al., Comput. Softw. Big Sci. 8 (2024) 7
- 2021 A precise measurement of the Z -boson double-differential transverse momentum and rapidity distributions in the full phase space of the decay leptons with the ATLAS experiment at $\sqrt{s} = 8$ TeV
 G Aad et al., Eur. Phys. J. C 84 (2024) 315
- 2022 Probing the CP nature of the topHiggs Yukawa coupling in $t\bar{t}H$ and tH events with $H \rightarrow b\bar{b}$ decays using the ATLAS detector at the LHC
 G Aad et al., Phys. Lett. B 849 (2024) 138469
- 2023 Search for top-philic heavy resonances in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., Eur. Phys. J. C 84 (2024) 157.
- 2024 Test of CP -invariance of the Higgs boson in vector-boson fusion production and in its decay into four leptons
 G Aad et al., JHEP 05 (2024) 105
- 2025 Observation of $WZ\gamma$ production in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., Phys. Rev. Lett. 132 (2024) 2. 021802
- 2026 The ATLAS experiment at the CERN Large Hadron Collider: a description of the detector configuration for Run 3
 G Aad et al., JINST 19 (2024) P05063
- 2027 Search for non-resonant production of semi-visible jets using Run 2 data in ATLAS
 G Aad et al., Phys. Lett. B 848 (2024) 138324
- 2028 Combination and summary of ATLAS dark matter searches interpreted in a 2HDM with a pseudo-scalar mediator using 139 fb^{-1} of $\sqrt{s} = 13$ TeV pp collision data
 G Aad et al., Sci. Bull. 69 (2024) 3005
- 2029 Measurement of the $H \rightarrow \gamma\gamma$ and $H \rightarrow ZZ^* \rightarrow 4\ell$ cross-sections in pp collisions at $\sqrt{s} = 13.6$ TeV with the ATLAS detector
 G Aad et al., Eur. Phys. J. C 84 (2024) 78
- 2030 Search for leptoquark pair production decaying into $te^- \bar{t}e^+$ or $t\mu^- \bar{t}\mu^+$ in multi-lepton final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., Eur. Phys. J. C 84 (2024) 818
- 2031 Search for pair production of squarks or gluinos decaying via sleptons or weak bosons in final states with two same-sign or three leptons with the ATLAS detector
 G Aad et al., JHEP 02 (2024) 107
- 2032 Search for new phenomena in two-body invariant mass distributions using unsupervised Machine Learning for anomaly detection at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., Phys. Rev. Lett. 132 (2024) 081801

- 2033 Search for singly produced vectorlike top partners in multilepton final states with 139 fb^{-1} of pp collision data at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector
 G Aad et al., Phys. Rev. D 109 (2024) 112012
- 2034 Search for quantum black hole production in lepton+jet final states using proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector
 G Aad et al., Phys. Rev. D 109 (2024) 032010
- 2035 Performance and calibration of quark/gluon-jet taggers using 140 fb^{-1} of pp collisions at TeV with the ATLAS detector
 G Aad et al., Chin. Phys. C 48 (2024) 023001
- 2036 Observation of $W\gamma\gamma$ triboson production in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector
 G Aad et al., Phys. Lett. B 848 (2024) 138400
- 2037 Measurement of the $t\bar{t}$ cross section and its ratio to the Z production cross section using pp collisions at $\sqrt{s} = 13.6 \text{ TeV}$ with the ATLAS detector
 G Aad et al., Phys. Lett. B 848 (2024) 138376
- 2038 Software performance of the ATLAS track reconstruction for LHC Run 3
 G Aad et al., Comput. Softw. Big Sci. 8 (2024) 9
- 2039 Differential cross-section measurements of the production of four charged leptons in association with two jets using the ATLAS detector
 G Aad et al., JHEP 01 (2024) 004
- 2040 Electron and photon efficiencies in LHC Run 2 with the ATLAS experiment
 G Aad et al., JHEP 05 (2024) 162
- 2041 Azimuthal angle correlations of muons produced via heavy-flavor decays in 5.02 TeV Pb+Pb and pp collisions with the ATLAS detector
 G Aad et al., Phys. Rev. Lett. 132 (2024) 202301
- 2042 Measurement of the centrality dependence of the dijet yield in $p+\text{Pb}$ collisions at $\sqrt{s_{NN}} = 8.16 \text{ TeV}$ with the ATLAS detector
 G Aad et al., Phys. Rev. Lett. 132 (2024) 102301
- 2043 Evidence for the Higgs boson decay to a Z boson and a photon at the LHC
 G Aad et al., Phys. Rev. Lett. 132 (2024) 021803
- 2044 Search for the $Z\gamma$ decay mode of new high-mass resonances in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector
 G Aad et al., Phys. Lett. B 848 (2024) 138394
- 2045 Electron and photon energy calibration with the ATLAS detector using LHC Run 2 data
 G Aad et al., JINST 19 (2024) P02009
- 2046 Search for the exclusive W boson hadronic decays $W^\pm \rightarrow \pi^\pm\gamma$, $W^\pm \rightarrow K^\pm\gamma$ and $W^\pm \rightarrow \rho^\pm\gamma$ with the ATLAS detector
 G Aad et al., Phys. Rev. Lett. 133 (2024) 16. 161804
- 2047 Measurement of the production cross-section of J/ψ and $\psi(2S)$ mesons in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector
 G Aad et al., Eur. Phys. J. C 84 (2024) 169
- 2048 Measurement of t -channel single-top-quark production in pp collisions at $\sqrt{s} = 5.02 \text{ TeV}$ with the ATLAS detector
 G Aad et al., Phys. Lett. B 854 (2024) 138726
- 2049 Search for non-resonant Higgs boson pair production in the $2b + 2\ell + E_T^{\text{miss}}$ final state in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector
 G Aad et al., JHEP 02 (2024) 037
- 2050 Study of $Z \rightarrow \ell\ell\gamma$ decays at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector
 G Aad et al., Eur. Phys. J. C 84 (2024) 2. 195

- 2051 Studies of new Higgs boson interactions through nonresonant HH production in the $b\bar{b}\gamma\gamma$ final state in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., JHEP 01 (2024) 066
- 2052 Improving topological cluster reconstruction using calorimeter cell timing in ATLAS
 G Aad et al., Eur. Phys. J. C 84 (2024) 455
- 2053 Search for a CP -odd Higgs boson decaying into a heavy CP -even Higgs boson and a Z boson in the $\ell^+\ell^-t\bar{t}$ and $\nu n\bar{u}b\bar{b}$ final states using 140 fb^{-1} of data collected with the ATLAS detector
 G Aad et al., JHEP 02 (2024) 197
- 2054 Search for resonant production of dark quarks in the dijet final state with the ATLAS detector
 G Aad et al., JHEP 02 (2024) 128
- 2055 Observation of quantum entanglement with top quarks at the ATLAS detector
 G Aad et al., Nature 633 (2024) 8030. 542
- 2056 Simultaneous energy and mass calibration of large-radius jets with the ATLAS detector using a deep neural network
 G Aad et al., Mach. Learn. Sci. Tech. 5 (2024) 035051.
- 2057 Measurement of ZZ production cross-sections in the four-lepton final state in pp collisions at $s=13.6\text{TeV}$ with the ATLAS experiment
 G Aad et al., Phys. Lett. B 855 (2024) 138764
- 2058 Combination of searches for resonant Higgs boson pair production using pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., Phys. Rev. Lett. 132 (2024) 231801
- 2059 Search for light long-lived neutral particles from Higgs boson decays via vector-boson-fusion production from pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., Eur. Phys. J. C 84 (2024) 719
- 2060 Measurement and interpretation of same-sign W boson pair production in association with two jets in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., JHEP 04 (2024) 026
- 2061 Search for the decay of the Higgs boson to a Z boson and a light pseudoscalar particle decaying to two photons
 G Aad et al., Phys. Lett. B 850 (2024) 138536
- 2062 Measurement of the $VH, H \rightarrow \tau\tau$ process with the ATLAS detector at 13 TeV
 G Aad et al., Phys. Lett. B 855 (2024) 138817
- 2063 Measurement of the Z boson invisible width at $s=13$ TeV with the ATLAS detector
 G Aad et al., Phys. Lett. B 854 (2024) 138705
- 2064 Search for short- and long-lived axion-like particles in $H \rightarrow aa \rightarrow 4\gamma$ decays with the ATLAS experiment at the LHC
 G Aad et al., Eur. Phys. J. C 84 (2024) 742
- 2065 Measurement of jet substructure in boosted $t\bar{t}$ events with the ATLAS detector using 140 fb^{-1} of 13 TeV pp collisions
 G Aad et al., Phys. Rev. D 109 (2024) 112016
- 2066 Inclusive and differential cross-section measurements of $t\bar{t}Z$ production in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector including EFT and spin-correlation interpretations
 G Aad et al., JHEP 07 (2024) 163
 item Study of high-transverse-momentum Higgs boson production in association with a vector boson in the $qqbb$ final state with the ATLAS detector
 G Aad et al., Phys. Rev. Lett. 132 (2024) 131802
- 2067 Search for heavy resonances in final states with four leptons and missing transverse momentum or jets in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., JHEP 10 (2024) 130

- 2068 Measurement of the total and differential cross-sections of $t\bar{t}W$ production in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
G Aad et al., JHEP 05 (2024) 131
- 2069 The ATLAS trigger system for LHC Run 3 and trigger performance in 2022
G Aad et al., JINST 19 (2024) P06029
- 2070 Combination of searches for pair-produced leptoquarks at $\sqrt{s} = 13$ TeV with the ATLAS detector
G Aad et al., Phys. Lett. B 854 (2024) 138736
- 2071 Search for new phenomena with top-quark pairs and large missing transverse momentum using 140 fb^{-1} of pp collision data at $\sqrt{s} = 13$ TeV with the ATLAS detector
G Aad et al., JHEP 03 (2024) 139
- 2072 Search for nearly mass-degenerate higgsinos using low-momentum mildly displaced tracks in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
G Aad et al., Phys. Rev. Lett. 132 (2024) 221801
- 2073 Search for pair production of higgsinos in events with two Higgs bosons and missing transverse momentum in $s=13$ TeV pp collisions at the ATLAS experiment
G Aad et al., Phys. Rev. D 109 (2024) 112011
- 2074 A search for R -parity-violating supersymmetry in final states containing many jets in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
G Aad et al., JHEP 05 (2024) 003
- 2075 Search for pair-production of vector-like quarks in lepton+jets final states containing at least one b-tagged jet using the Run 2 data from the ATLAS experiment
G Aad et al., Phys. Lett. B 854 (2024) 138743
- 2076 Determination of the relative sign of the Higgs boson couplings to W and Z bosons using WH production via vector-boson fusion with the ATLAS detector
G Aad et al., Phys. Rev. Lett. 133 (2024) 141801
- 2077 Search for electroweak production of supersymmetric particles in final states with two τ -leptons in at $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector
G Aad et al., JHEP 05 (2024) 150
- 2078 ATLAS Run 2 searches for electroweak production of supersymmetric particles interpreted within the pMSSM
G Aad et al., JHEP 05 (2024) 106
- 2079 Interpretations of the ATLAS measurements of Higgs boson production and decay rates and differential cross-sections in pp collisions at $\sqrt{s} = 13$ TeV
G Aad et al., JHEP 11 (2024) 097
- 2080 Performance of the ATLAS forward proton Time-of-Flight detector in Run 2
G Aad et al., JINST 19 (2024) P05054
- 2081 Statistical combination of ATLAS Run 2 searches for charginos and neutralinos at the LHC
G Aad et al., Phys. Rev. Lett. 133 (2024) 031802
- 2082 Combination of measurements of the top quark mass from data collected by the ATLAS and CMS experiments at $\sqrt{s} = 7$ TeV and 8 TeV
G Aad et al., Phys. Rev. Lett. 132 (2024) 261902
- 2083 Combination of searches for heavy spin-1 resonances using 139 fb^{-1} of proton-proton collision data at $\sqrt{s} = 13$ TeV with the ATLAS detector
G Aad et al., JHEP 04 (2024) 118
- 2084 A search for top-squark pair production in final states containing a top quark, a charm quark and missing transverse momentum using the 139 fb^{-1} of pp collision data collected by the ATLAS detector
G Aad et al., JHEP 07 (2024) 250
- 2085 Measurements of Lund subjet multiplicities in 13 TeV proton-proton collisions with the ATLAS detector
G Aad et al., Phys. Lett. B 859 (2024) 139090

- 2086 Search for a new Z' gauge boson via the $pp \rightarrow W^{\pm(*)} \rightarrow Z'\mu^\pm\nu \rightarrow \mu^\pm\mu^\mp\mu^\pm\nu$ process in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., Phys. Rev. D 110 (2024) 7. 072008
- 2087 Studies of the energy dependence of diboson polarization fractions and the radiation-mplitude-zero effect in WZ production with the ATLAS detector
 G Aad et al., Phys. Rev. Lett. 133 (2024) 169901 (erratum)
- 2088 Search for high-mass resonances in final states with a τ -lepton and missing transverse momentum with the ATLAS detector
 G Aad et al., Phys. Rev. D 109 (2024) 11. 112008
- 2089 Search for new particles in final states with a boosted top quark and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., JHEP 05 (2024) 263
- 2090 Searches for exclusive Higgs boson decays into $D^*\gamma$ and Z boson decays into $D^0\gamma$ and $K_s^0\gamma$ in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., Phys. Lett. B 855 (2024) 138762
- 2091 Precise test of lepton flavour universality in W -boson decays into muons and electrons in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., Eur. Phys. J. C 84 (2024) 993
- 2092 Measurement of t -channel production of single top quarks and antiquarks in pp collisions at 13 TeV using the full ATLAS Run 2 data sample
 G Aad et al., JHEP 05 (2024) 305
- 2093 Differential cross-sections for events with missing transverse momentum and jets measured with the ATLAS detector in 13 TeV proton-proton collisions
 G Aad et al., JHEP 08 (2024) 223
- 2094 Fiducial and differential cross-section measurements of electroweak $W\gamma jj$ production in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., Eur. Phys. J. C 84 (2024) 1064
- 2095 Observation of electroweak production of W^+W^- in association with jets in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., JHEP 07 (2024) 254
- 2096 Search for charged-lepton-flavor violating $\mu\tau qt$ interactions in top-quark production and decay in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector at the LHC
 G Aad et al., Phys. Rev. D 110 (2024) 012014
- 2097 Search for low-mass resonances decaying into two jets and produced in association with a photon or a jet at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., Phys. Rev. D 110 (2024) 032002
- 2098 Measurements of inclusive and differential cross-sections of $t\bar{t}\gamma$ production in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., JHEP 10 (2024) 191
- 2099 Measurement of vector boson production cross sections and their ratios using pp collisions at $\sqrt{s} = 13.6$ TeV with the ATLAS detector
 G Aad et al., Phys. Lett. B 854 (2024) 138725
- 2100 Search for light long-lived particles in pp collisions at $\sqrt{s} = 13$ TeV using displaced vertices in the ATLAS Inner Detector
 G Aad et al., Phys. Rev. Lett. 133 (2024) 161803
- 2101 Measurements of electroweak $W^\pm Z$ boson pair production in association with two jets in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., JHEP 06 (2024) 192

- 2102 Measurements of the production cross-section for a Z boson in association with b - or c -jets in protonproton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., Eur. Phys. J. C 84 (2024) 984
- 2103 Measurement of the W -boson mass and width with the ATLAS detector using protonproton collisions at $\sqrt{s} = 7$ TeV
 G Aad et al., Eur. Phys. J. C 84 (2024) 1309
- 2104 Search for heavy Majorana neutrinos in $e^\pm e^\pm$ and $e^\pm \mu^\pm$ final states via WW scattering in pp collisions at $s=13$ TeV with the ATLAS detector
 G Aad et al., Phys. Lett. B 856 (2024) 138865
- 2105 Search for pair-produced higgsinos decaying via Higgs or Z bosons to final states containing a pair of photons and a pair of b -jets with the ATLAS detector
 G Aad et al., Phys. Lett. B 856 (2024) 138938
- 2106 Search for flavour-changing neutral-current couplings between the top quark and the Higgs boson in multi-lepton final states in 13 TeV pp collisions with the ATLAS detector
 G Aad et al., Eur. Phys. J. C 84 (2024) 757
- 2107 Characterising the Higgs boson with ATLAS data from Run 2 of the LHC
 G Aad et al., Phys. Rept. 11 (2024) 001
- 2108 Precise measurements of W - and Z -boson transverse momentum spectra with the ATLAS detector using pp collisions at $s=5.02$ TeV and 13 TeV
 G Aad et al., Eur. Phys. J. C 84 (2024) 1126
- 2109 Search for a resonance decaying into a scalar particle and a Higgs boson in the final state with two bottom quarks and two photons in protonproton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., JHEP 11 (2024) 047
- 2110 Search for the nonresonant production of Higgs boson pairs via gluon fusion and vector-boson fusion in the $b\bar{b}\tau^+\tau^-$ final state in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., Phys. Rev. D 110 (2024) 032012
- 2111 Constraints on simplified dark matter models involving an s-channel mediator with the ATLAS detector in pp collisions at $\sqrt{s} = 13$ TeV
 G Aad et al., Eur. Phys. J. C 84 (2024) 1102
- 2112 Search for pair production of boosted Higgs bosons via vector-boson fusion in the bbbb final state using pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., Phys. Lett. B 858 (2024) 139007
- 2113 Search for heavy neutral Higgs bosons decaying into a top quark pair in 140 fb^{-1} of proton-proton collision data at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., JHEP 08 (2024) 013
- 2114 Beam-induced backgrounds measured in the ATLAS detector during local gas injection into the LHC beam vacuum
 G Aad et al., JINST 19 (2024) P06014
- 2115 of a soft secondary vertex tagger using proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., Phys. Rev. D 110 (2024) 032015
- 2116 Observation of $t\bar{t}$ production in the lepton+jets and dilepton channels in $p+\text{Pb}$ collisions at $\sqrt{s_{NN}} = 8.16$ TeV with the ATLAS detector
 G Aad et al., JHEP 11 (2024) 101
- 2117 Simultaneous unbinned differential cross-section measurement of twenty-four Z +jets kinematic observables with the ATLAS detector
 G Aad et al., Phys. Rev. Lett. 133 (2024) 261803
- 2118 Measurements of jet cross-section ratios in 13 TeV proton-proton collisions with ATLAS
 G Aad et al., Phys. Rev. D 110 (2024) 072019

- 2119 Search for pair-produced vectorlike quarks coupling to light quarks in the lepton plus jets final state using 13 TeV pp collisions with the ATLAS detector
G Aad et al., Phys. Rev. D 110 (2024) 052009
- 2120 Search for dark mesons decaying to top and bottom quarks in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
G Aad et al., JHEP 09 (2024) 005
- 2121 Search for non-resonant Higgs boson pair production in final states with leptons, taus, and photons in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
G Aad et al., JHEP 08 (2024) 164
- 2122 Search for a resonance decaying into a scalar particle and a Higgs boson in final states with leptons and two photons in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
G Aad et al., JHEP 10 (2024) 104
- 2123 Search for new particles in events with a hadronically decaying W or Z boson and large missing transverse momentum at $\sqrt{s} = 13$ TeV using the ATLAS detector
G Aad et al., JHEP 11 (2024) 126
- 2124 Combination of searches for Higgs boson decays into a photon and a massless dark photon using pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
G Aad et al., JHEP 08 (2024) 153
- 2125 Combination of searches for Higgs boson pair production in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
G Aad et al., Phys. Rev. Lett. 133 (2024) 101801
- 2126 Search for R -parity violating supersymmetric decays of the top squark to a b -jet and a lepton in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector
G Aad et al., Phys. Rev. D 110 (2024) 092004
- 2127 Measurement of differential cross-sections in $t\bar{t}$ and $t\bar{t}$ +jets production in the lepton+jets final state in pp collisions at $\sqrt{s} = 13$ TeV using 140 fb^{-1} of ATLAS data
G Aad et al., JHEP 08 (2024) 182
- 2128 Search for decays of the Higgs boson into a pair of pseudoscalar particles decaying into $b\bar{b}\tau^+\tau^-$ using pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
G Aad et al., Phys. Rev. D 110 (2024) 052013
- 2129 Sensor response and radiation damage effects for 3D pixels in the ATLAS IBL Detector
G Aad et al., JINST 19 (2024) 10. P10008
- 2130 Disentangling sources of momentum fluctuations in Xe+Xe and Pb+Pb collisions with the ATLAS detector
G Aad et al., Phys. Rev. Lett. 133 (2024) 252301
- 2131 Search for neutral long-lived particles that decay into displaced jets in the ATLAS calorimeter in association with leptons or jets using pp collisions at $\sqrt{s} = 13$ TeV
G Aad et al., JHEP 11 (2024) 036
- 2132 Using pile-up collisions as an abundant source of low-energy hadronic physics processes in ATLAS and an extraction of the jet energy resolution
G Aad et al., JHEP 12 (2024) 032
- 2133 Measurement of single top-quark production in association with a W boson in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
G Aad et al., Phys. Rev. D 110 (2024) 072010
- 2134 Jet radius dependence of dijet momentum balance and suppression in Pb+Pb collisions at 5.02 TeV with the ATLAS detector
G Aad et al., Phys. Rev. C 110 (2024) 054912
- 2135 Accuracy versus precision in boosted top tagging with the ATLAS detector
G Aad et al., JINST 19 (2024) P08018

- 2136 Search for heavy right-handed Majorana neutrinos in the decay of top quarks produced in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., Phys. Rev. D 110 (2024) . 112004
- 2137 Search for supersymmetry using vector boson fusion signatures and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., JHEP 12 (2024) 116
- 2138 Search for a light CP -odd Higgs boson decaying into a pair of τ -leptons in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
 G Aad et al., JHEP 12 (2024) 126
- 2139 Operation and performance of the ATLAS tile calorimeter in LHC Run 2
 G Aad et al., Eur. Phys. J. C 84 (2024) 1313

Other particle physics

- 2140 Measurements of electron drift in fast gases with crossed electric and magnetic fields.
 J M Bailey et al., proc. Symp. Detector Research and Development for the Superconducting Super Collider, Fort Worth, Texas 1990, ed. T Dombeck et al., (World Scientific, 1991) 202-204
- 2141 Forward tracking with enhanced electron identification
 J M Bailey et al., proc. Symp. Detector Research and Development for the Superconducting Super Collider, Fort Worth, Texas 1990, eds. T Dombeck et al., (World Scientific, 1991) 256-258
- 2142 Radial wire drift chambers with fast gases for tracking at future supercolliders
 J M Bailey et al., Nucl. Instr. Meth. A323 (1992) 407-412
- 2143 Beamstrahlung and photon-photon collisions: Summary. T L Barklow et al., in e^+e^- Collisions at 500 GeV: the physics potential (2005) proc. workshop Munich, Annecy, Hamburg (ed. P M Zerwas) DESY 92-123B (1992) 837-844
- 2144 Photon photon processes at HERA
 P J Bussey, proc. workshop Physics at HERA, eds. W Buchmüller and G Ingelman (DESY 1992) 629-635
- 2145 What HERA tells us about the photon
 P J Bussey, Inst. Phys. Conf. Series no. 133, IOP Publishing (1993) 179-191
- 2146 $\gamma\gamma$ physics
 Convenors: E Boos, P Bussey et al., in e^+e^- Collisions at 500 GeV: the physics potential, proc. workshop Munich, Annecy, Hamburg (ed. P M Zerwas) DESY 93-123C (1993) 519-588
- 2147 Review: An introduction to quantum field theory, by G Sterman.
 P J Bussey, Eur. J. Phys. 15 (1994) 47-48
- 2148 Proceedings of the XXVII International Conference on High Energy Physics 1994 (Glasgow),
 P J Bussey and I G Knowles, editors., IOP Publishing (1995). (two vols., 1455pp)
- 2149 A comparison of prompt photon processes and two-jet processes in hard photoproduction
 P J Bussey, proc. Photon '95, Sheffield, eds. D J Miller et al., (World Scientific, 1996) 47-52
- 2150 Direct and resolved photon measurements in $\gamma\gamma$ interactions
 P J Bussey, Phys. Lett. B382 (1996) 426-8
- 2151 Prompt photon, Drell-Yan and Bethe-Heitler processes in hard photoproduction
 P J Bussey, B Levchenko and A Shumilin, proc. workshop Future Physics at HERA, ed. G Ingelman et al., (DESY 1996) 574-579
- 2152 Particle Physics
 E Accomando et al., in Conceptual Design of a 500 GeV e^+e^- Linear Collider with integrated X-ray Laser Facility, DESY 1997-048, ECFA 1997-182, eds. R Brinkmann et al. 1-108
- 2153 Detector for the Linear Collider: Detector subsystems
 S Aid et al., in Conceptual Design of a 500 GeV e^+e^- Linear Collider with integrated X-ray Laser Facility, DESY 1997-048, ECFA 1997-182, eds. R Brinkmann et al. 111-274

- 2154 Detector for the Linear Collider: Baseline design for the Conceptual Design Report
 S. Aïd et al., in *e⁺e⁻ linear colliders: physics and detector studies*, proc. workshops Frascati, London, Munich, Hamburg (ed. R Settles) DESY 97-123E (1997) 509-605
- 2155 Physics with *e⁺e⁻* Linear Colliders
 E Accomando et al., Phys. Rep. 299 (1998) 1-78
- 2156 A detector for TESLA
 G Alexander et al., in *TESLA Technical Design Report IV* eds. T Behnke et al., (DESY 2001) 1-168
- 2157 Physics with two photons at HERA
 P J Bussey, proc. Workshop on photon interactions and the photon structure, Lund, eds G Jarlskog, T Sjöstrand (1998) 41-49
- 2158 Prompt photon production
 P J Bussey, proc. 3rd UK Phenomenology Workshop on HERA Physics, Durham, 1998; J. Phys. G25 (1999) 1461-1464
- 2159 Photoproduction at low Q^2
 P J Bussey, proc. *Physics in Collision*, Ann Arbor (1999) eds M Campbell and J Qian, 92-107
- 2160 Open heavy quark and charmonium production at HERA
 P J Bussey, proc. UK Phenomenology Workshop on Heavy Flavours and CP Violation, Durham, 2000; J. Phys. G27 (2001) 1145-1151
- 2161 Inclusive prompt photon production and deeply virtual Compton scattering at HERA
 P J Bussey, proc. XXXV Rencontres de Moriond, Les Arcs 1800 (2000) ed J Trần Than Vân (Thê Giói, Vietnam, 2001) 37-40
- 2162 The photon collider at TESLA
 B Badelek et al., in *TESLA Technical Design Report VI* ed. V Telnov, (DESY 2001) 1-98
 Int. J. Mod. Phys. A19 (2004) 5097-5186
- 2163 Prompt photons in photoproduction at HERA
 P J Bussey, proc. 9th Int. Workshop on Deep Inelastic Scattering, Bologna (2001) eds G Bruni et al., (World Scientific, 2002) 451-454
- 2164 Heavy Flavour Physics at HERA - a Survey
 P J Bussey, DESY 01-197, Int. J. Mod. Phys. A17 (2002) 1065-1110
- 2165 Jet physics at HERA
 P J Bussey, Nucl. Phys. A721 (2003) 821c-824c
- 2166 Heavy flavour physics at HERA
 P J Bussey, Nucl. Phys. A721 (2003) 825c-828c
- 2167 Virtual Photon Structure at HERA
 P J Bussey, Nucl. Phys. B(Proc. Supp.) 126 (2004) 17-21
- 2168 Inclusive Jets and α_s at HERA
 P J Bussey, Nucl. Phys. B(Proc. Supp.) 126 (2004) 111-117
- 2169 Charm and Beauty production at CDF
 P J Bussey, proc. XII International Workshop on Deep Inelastic Scattering, Štrbské Pleso (Slovakia, 2004) eds D. Bruncko et al., (Inst. of Ex. Physics SAS) 751-756
- 2170 Central exclusive production of longlived gluinos at the LHC
 P J Bussey et al., JHEP 11 (2006) 027
- 2171 Hadronic final states at HERA
 P J Bussey, Nucl. Phys. B(Proc. Supp.) 164 (2007) 46-49
- 2172 QCD Physics with ZEUS and H1 at HERA
 P J Bussey, Mod. Phys. Lett. A 22 (2007) 317-322

- 2173 Jets in Photoproduction at HERA
 P J Bussey, Nucl. Phys. B(Proc. Supp.) 184 (2008) 99-103
- 2174 Charm physics at CDF (DIS 2008)F
 P J Bussey, Prog. High En. Phys. 2 (2008) 197
- 2175 Detection of new states using forward proton tagging at the LHC
 P J Bussey, Proc. ICHEP 34, Philadelphia, www.slac.stanford.edu/econf/C080730/proceedings.htm#Higgs (2008)
- 2176 Physics with forward FP420/FP220 tagging systems
 P Bussey and P Van Mechelen, Proc. Workshop HERA and the LHC, 2006-2008, DESY-PROC-2009-002 (2009) 557
- 2177 Jets and measurements of α_s
 P J Bussey, Nucl. Phys. B(Proc. Supp.) 191 (2009) 111-120
- 2178 The FP420 R&D project: Higgs and new physics with forward protons at the LHC
 M Albrow et al., JINST 4 (2009) T10001
- 2179 Prompt photons in Deep Inelastic Scattering at HERA
 P J Bussey, proc. Photon 2009 eds. O Behnke et al., (Verlag DESY, Hamburg, 2010) 132-136
- 2180 Experimental Summary
 P J Bussey, proc. Photon 2009 eds. O Behnke et al., (Verlag DESY, Hamburg, 2010) 445-456
- 2181 Studies of bottom baryons at CDF
 P Bussey, Proc. XXI Europhys. Conference, Grenoble, Proc. of Science (2011) (EPS-HEP2011) 178
- 2182 Isolated photon production in DIS at HERA with ZEUS
 P Bussey, Proc. XXI Europhys. Conference, Grenoble, Proc. of Science (2011) (EPS-HEP2011) 329
- 2183 Isolated photons in deep inelastic scattering and photoproduction
 P Bussey, Proc. XXII Europhys. Conference, Stockholm, Proc. of Science (2013) PoS(EPS-HEP2013)418
- 2184 Diffractive production of isolated photons at HERA
 P Bussey, Proc. DIS 2015, Dallas, PoS(DIS2015) (2015) 068
- 2185 ATLAS Measurements of Sensitive to the Proton Structure
 P J Bussey, Proc. XLV Int. Symposium on Multiparticle Dynamics,, 2015, EPJ Web Conf. 120 (2016) 08002
- 2186 Hadronic final states at HERA
 P J Bussey, Proc. XXXVII ICHEP, Valencia, 2014, Nuc. Part. Phys. Procs. 273-275 (2016) 2022
- 2187 LHC forward physics
 LHC Forward Physics Working Group, K Akiba et al., J. Phys. G 43 (2016) 110201
- 2188 Studies of the diffractive production of isolated photons at HERA
 P J Bussey, Proc. DIS 2017, Birmingham, UK,, PoS(DIS2017) (2018) 053
- 2189 Measurements of low energy observables, elastic pp interactions and exclusive production in proton-proton collisions with the ATLAS detector
 P J Bussey, Proc. 6th Int. Conf. on New Frontiers in Physics, Crete, 2017, EPJ Web Conf. 182 (2018) 02024
- 2190 Prompt photons at HERA
 P J Bussey, Proc. Photon 2017,CERN, CERN-Proceedings-2018-001 (2018) 175; ArXiv 1812.08166
- 2191 Measurement of beauty production from dimuon events at HERA
 P J Bussey Proc. XXIX ICHEP, Seoul, PoS(ICHEP2018) (2019) 147
- 2192 Further studies of the production of isolated photons at HERA
 P J Bussey Proc. XXIX ICHEP, Seoul, PoS(ICHEP2018) (2019) 372
- 2193 Soft QCD and diffractive processes in ATLAS
 P J Bussey Proc. LHCP2020, PoS(LHCP2020) (2021) 148

- 2194 Azimuthal correlations in photoproductio and deep inelastic *ep* scattering at HERA
 P J Bussey Proc. ICHEP 2022, PoS(ICHEP2022) (2022) 476
- 2195 Overview of the ATLAS ALFA detectors, performance and physics analysis.
 P J Bussey Proc. DIS2023, arXiv:2308.00110

Foundational Studies and Book Reviews.

- 2196 Super-luminal communication” in Einstein-Podolsky-Rosen experiments.
 P J Bussey, Phys. Lett. 90A (1982) 9-12
- 2197 On replicating photons
 P J Bussey, Nature (matters arising) 304 (1983) p188
- 2198 When does the wave-function collapse?
 P J Bussey, Phys. Lett. 106A (1984) 407-409
- 2199 Unexpected hanging” paradox
 P J Bussey, Am. J. Phys. 53 (correspondence) (1985) p937
- 2200 Wavefunction collapse and the optical theorem
 P J Bussey, Phys. Lett. 118A (1986) 377-380
- 2201 The fate of Schrödinger’s Cat
 P J Bussey, Phys. Lett. A120 (1987) 51-53
- 2202 Communication and non-communication in Einstein-Podolsky-Rosen experiments.
 P J Bussey, Phys. Lett. A123 (1987) 1-3
- 2203 Comments on “When is a quantum measurement?”
 P J Bussey, Am. J. Phys. 56 (1988) 569-570
- 2204 The Foundations of Quantum Mechanics
 P J Bussey, Found. Phys. 18 (1988) 491-528
- 2205 The phonon as a model for elementary particles
 P J Bussey, Phys. Lett. A176 (1993) 159-164
- 2206 Review: W Pauli, *Writings on Physics and Philosophy*, eds. C P Enz and K v Meyenn.
 P J Bussey, Contemp. Phys. 37 (1996) 497-8
- 2207 Indeterminacy, Time and the Future
 P J Bussey, Science and Christian Belief 9 (1997) 79-84
- 2208 Eastern religions and modern physics – a further examination
 P J Bussey, Science and Christian Belief 11 (1999) 113-127
- 2209 Modern astronomy and our perception of the universe
 P J Bussey, Science and Christian Belief 12 (2000) 3-15
- 2210 Review: R N Barnett, H Mühry and H R Quinn, *The Charm of Strange quarks: mysteries and revolutions of particle physics*
 P J Bussey, Times Higher Education Supplement Nov. 24 2000
- 2211 Review: P H Meijer (ed.), *Views of a Physicist: Selected papers of N G van Kampen*
 P J Bussey, Contemp. Phys. 43 (2002) 44-45
- 2212 Essay Review: Nature in all its wonders
 P J Bussey, Contemp. Phys. 44 (2003) 357-360
- 2213 Review: J Baggott, *Beyond Measure: Modern Physics, Philosophy and the Meaning of Quantum Theory*
 P J Bussey, Contemp. Phys. 45 (2004) 343-344
- 2214 Essay Review: *Pressing to the extremes*
 P J Bussey, Contemp. Phys. 45 (2004) 427-430

- 2215 Beyond Materialism: from the Medieval Scholars to Quantum Physics
P J Bussey, Science and Christian Belief 16 (2004) 157-178
- 2216 Review: T Morii et al., *The Physics of the Standard Model and Beyond*,
P J Bussey, Contemp. Phys. 46 (2005) 157
- 2217 Physical Infinities: a Substitute for God?
P J Bussey, Science and Christian Belief 18 (2006) 133-150
- 2218 Review: J L Basdevant et al., *The Quantum Mechanics Solver*,
P J Bussey, Contemp. Phys. 47 (2006) 410
- 2219 Review: M Munowitz, *Knowing: the Nature of Physical Law*
P J Bussey, Contemp. Phys. 48 (2007) 58
- 2220 Essay Review: Views over the terrain of physics
P J Bussey, Contemp. Phys. 48 (2007) 173-176
- 2221 Review: M Sachs, *Concepts of Modern Physics*,
P J Bussey, Contemp. Phys. 48 (2008) 225-226
- 2222 Review: T E Phipps, *Old Physics for New, a Worldview Alternative to Einstein's Relativity Theory*
P J Bussey, Contemp. Phys. 48 (2007) 240-241
- 2223 Review: G D Coughlan et al., *The Ideas of Particle Physics*,
P J Bussey, Contemp. Phys. 48 (2008) 243-244
- 2224 Review: I Aitchison, *Supersymmetry in Particle Physics, an Elementary Introduction*
P J Bussey, Contemp. Phys. 48 (2008) 389-90
- 2225 Explanations in science and beyond
P J Bussey Science and Christian Belief 20 (2008) 175-194
- 2226 Essay Review: *Beauty and Physics*,
P J Bussey, Contemp. Phys. 50 (2009) 479-482
- 2227 Review: J Ellis and D Amati (eds.) Quantum reflections
P J Bussey, Contemp. Phys. 50 (2009) 663-664
- 2228 Guest Editorial: *The myth of physicalism*
P J Bussey, Science and Christian Belief 21 (2009) 98-100
- 2229 Review: W Thirring: *Cosmic Impressions, Traces of God in the Laws of Nature*,
P J Bussey, Science and Christian Belief 21 (2009) 177-8
- 2230 Review: V Ivancevic and T Ivancevic, *Quantum Leap: From Dirac and Feynman, Across the Universe to Human Body and Mind*,
P J Bussey, Contemp. Phys. 51 (2010) 185-186
- 2231 Review: L Hoddeson, A Kolb and C Westfall *Fermilab: Physics, The Frontier and Megascience*
P J Bussey, Contemp. Phys. 51 (2010) 190
- 2232 Review: B Carr (ed.), *Universe or Multiverse?*
P J Bussey, Contemp. Phys. 51 (2010) 546-550
- 2233 Quantum quicksands, Essay Review: V J Stenger, *Quantum Gods, Creation, Chaos and the Search for Cosmic Consciousness*
P J Bussey, Contemp. Phys. 51 (2010) 531-534
- 2234 Review: D Lincoln *The Quantum Frontier: The Large Hadron Collider*
P J Bussey, Contemp. Phys. 51 (2010) 558
- 2235 Review: B R Desai *Quantum Mechanics with Basic Field Theory*
P J Bussey, Contemp. Phys. 52 (2011) 80
- 2236 Review: V Vedral *The Universe as Quantum Information*
P J Bussey, Contemp. Phys. 52 (2011) 84-85

- 2237 Review: J Allday *Quantum Reality: Theory and Philosophy*
 P J Bussey, Contemp. Phys. 52 (2011) 87
- 2238 Review: P Byrne *The Many Worlds of Hugh Everett III*
 P J Bussey, Contemp. Phys. 52 (2011) 96
- 2239 Review: R N Sen *Causality, Measurement Theory and the Differentiable Structure of Space-Time*
 P J Bussey, Contemp. Phys. 52 (2011) 175
- 2240 Mystery and Ignorance
 P J Bussey, Science and Christian Belief 23 (2011) 3-21
- 2241 Review: I S Markham *Against Atheism: Why Dawkins, Hitchens and Harris are Fundamentally Wrong*
 P J Bussey, Science and Christian Belief 23 (2011) 78-79
- 2242 Review: I Sample *Massive: The Hunt for the God Particle*
 P J Bussey, Contemp. Phys. 52 (2011) 257-258
- 2243 Review: A A Martinez *Kinematics: The Lost Origins of Einstein's Relativity*
 P J Bussey, Contemp. Phys. 52 (2011) 258
- 2244 Contribution to article by A Z Williams, *I'm a believer.*
 New Statesman, 15 April 2011
- 2245 Essay Review: Physics and Poetry
 P J Bussey, Contemp. Phys. 52 (2011) 359-362
- 2246 Review: I Hargittai *Judging Edward Teller*
 P J Bussey, Contemp. Phys. 52 (2011) 382-383
- 2247 Review: J D Walecka *Advanced Modern Physics: Theoretical Foundations*
 P J Bussey, Contemp. Phys. 52 (2011) 485-486
- 2248 *A-Z of Ideas.* K: Kelvin
 Peter Bussey, Third Way, 34/9 (November 2011) 27
- 2249 Review: H Kragh *Higher Speculations, grand theories and Failed Revolutions in Physics and Cosmology*
 P J Bussey, Contemp. Phys. 52 (2011) 606
- 2250 Review: J Hauptman *Particle Physics Experiments at High Energy Colliders*
 P J Bussey, Contemp. Phys. 52 (2011) 609-610
- 2251 Review: G Vignale *The Beautiful Invisible: Creativity, Imagination and Theoretical Physics*
 P J Bussey, Contemp. Phys. 52 (2011) 622-623
- 2252 Review: J Rosen *Lawless Universe: Science and the Hunt for Reality*
 P J Bussey, Contemp. Phys. 53 (2012) 58-59
- 2253 Review: S A Klioner et al., eds. *Relativity in Fundamental Astronomy*
 P J Bussey, Contemp. Phys. 53 (2012) 76-77
- 2254 Review: I Brock and T Schönder-Sadenius, eds. *Physics at the Terascale*
 P J Bussey, Contemp. Phys. 53 (2012) 185
- 2255 Review: S Stenholm *The Quest for Reality: Bohr and Wittgenstein - Two Complementary Views*
 P J Bussey, Contemp. Phys. 53 (2012) 254-255
- 2256 Review: L Randall *Knocking on Heaven's Door*
 P J Bussey, Contemp. Phys. 53 (2012) 178
- 2257 Review: R J Spitzer *New Proofs for the Existence of God: Contributions of Contemporary Physics*
 P J Bussey, J. Theol. Studies, NS (2012) doi 10:1093/jts/fls023
- 2258 Contribution to *Dangerous Knowledge*, Scientists discuss whether there are, or should be, limits to science
 P J Bussey, New Statesman, 7 May 2012, p31

- 2259 Review: L. Boi *The Quantum Vacuum: A Scientific and Philosophical Concept, from Electrodynamics to String Theory and the Geometry of the Microscopic World*
 P J Bussey, Contemp. Phys. 53 (2012) 393-394
- 2260 Review: Jim Al-Khalili *Black Holes, Wormholes and Time Machines*, 2nd Edn.
 P J Bussey, Contemp. Phys. 53 (2012) 394
- 2261 Review: J Polkinghorne (ed.) *The Trinity and an Entangled World: Relationality in Physical Science and Theology*
 P J Bussey, Science and Christian Belief 24 (2012) 187-189
- 2262 Review: G Fraser *Cosmic Anger: Abdus Salam – the First Muslim Nobel Scientist*
 P J Bussey, Contemp. Phys. 53 (2012) 442-3
- 2263 Review: A M Rae *Quantum Physics, Illusion or Reality?*
 P J Bussey, Contemp. Phys. 53 (2012) 505-506
- 2264 Review: J D Bekenstein and R Mechoulam, eds. *Albert Einstein Memorial Lectures*
 P J Bussey, Contemp. Phys. 53 (2012) 511-512
- 2265 God as First Cause - a review of the Kalam Argument
 P J Bussey, Science and Christian Belief 25 (2013) 17-36
- 2266 Review: T. Maudlin *Philosophy of Physics: Space and Time*
 P J Bussey, Contemp. Phys. 54 (2013) 68-9
- 2267 Essay Review: The world of many worlds
 P J Bussey, Contemp. Phys. 55 (2013) 100-103
- 2268 Review: A Melissinos *Reminiscences: A Journey Through Particle Physics*
 P J Bussey, Contemp. Phys. 54 (2013) 108-9
- 2269 Review: A. M. Steane *Relativity Made Relatively Easy*
 P J Bussey, Contemp. Phys. 54 (2013) 124
- 2270 Review: C G Gerry and K M Bruno *The Quantum Divide: Why Schrödinger's Cat is either Dead or Alive*
 P J Bussey, Contemp. Phys. 54 (2013) 138-9
- 2271 Review: M Longair *Quantum Concepts in Physics: An Alternative Approach to the Understanding of Quantum Mechanics*
 P J Bussey, Contemp. Phys. 54 (2013) 220-1
- 2272 Review: R Batterman, ed. *The Oxford Handbook of Philosophy of Physics*
 P J Bussey, Contemp. Phys. 54 (2013) 221-3
- 2273 Review: D. Gross et al., eds. *The Theory of the Quantum World: Proceedings of the 25th Solvay Conference on Physics*
 P J Bussey, Contemp. Phys. 54 (2013) 291-2
- 2274 Review: C. Dharma-wardana *A Physicist's View of Matter and Mind*
 P J Bussey, Contemp. Phys. 55 (2014) 49-50
- 2275 Review: E. M. Henley and S. D. Ellis, eds. *100 Years of Subatomic Physics*
 P J Bussey, Contemp. Phys. 55 (2014) 52-53
- 2276 Review: D. Wilkinson *Science, Religion and the Search for Extra-Terrestrial Intelligence*
 P J Bussey, Contemp. Phys. 55 (2014) 137-138
- 2277 Reply to comment from David Booth
 P J Bussey, Science and Christian Belief 26 (2014) 81-82
- 2278 Essay Review, *Complexity is complex*
 P J Bussey, Contemp. Phys. 55 (2014) 252-245
- 2279 Review: M. Thomson *Modern Particle Physics*
 P J Bussey, Contemp. Phys. 55 (2014) 251-252

- 2280 Review: D. Aerts et al., eds. *Probing the Meaning of Quantum Mechanics: Physical, Philosophical and Logical Perspectives*
 P J Bussey, Contemp. Phys. 56 (2015) 101-104
- 2281 Review: C. D. Bailyn *What does a black hole look like?*
 P J Bussey, Contemp. Phys. 56 (2015) 403-404
- 2282 Review: D. Lincoln, *The Large Hadron Collider: The Extraordinary Story of the Higgs Boson and Other Stuff that will Blow Your Mind*
 P J Bussey, Contemp. Phys. 56 (2015) 502
- 2283 Review: W. Schommers. *Mind and Reality. The Space-Time Window*
 P J Bussey, Contemp. Phys. 56 (2015) 504-505
- 2284 Review: K.K. Phua et al., eds. *Proceedings of the Conference in Honour of the 90th Birthday of Freeman Dyson*
 P J Bussey, Contemp. Phys. 56 (2015) 508-509
- 2285 Essay Review, Illumination on Information
 P J Bussey, Contemp. Phys. 57 (2016) 100-103
- 2286 Review: A. R. P. Rau, *The Beauty of Physics*
 P J Bussey, Contemp. Phys. 57 (2016) 149
- 2287 Book: *Signposts to God. How modern physics and astronomy point the way to belief.*
 P J Bussey, IVP Academic (2016)
- 2288 Review: Moo-Young Han, *From photons to Higgs: a Story of Light*
 P J Bussey, Contemp. Phys. 58 (2017) 182-183
- 2289 Essay Review, Flight from Unreason
 P J Bussey, Contemp. Phys. 58 (2017) 262-264
- 2290 Review: M. U. Mozer, *Electroweak Physics at the LHC*
 P J Bussey, Contemp. Phys. 58 (2017) 296
- 2291 Review: R. B. Scott, *A Student's Manual for a First Course in General Relativity*
 P J Bussey, Contemp. Phys. 58 (2017) 357-358
- 2292 Review: G. F. Lewis and L.A. Barnes, *A Fortunate Universe: Life in a Finely Tuned Cosmos*
 P J Bussey, Contemp. Phys. 58 (2017) 359-360
- 2293 Review: B. Ryden, *Introduction to Cosmology, 2nd Edn.*
 P J Bussey, Contemp. Phys. 58 (2017) 381
- 2294 Review: J. Buchwald and R. Fox, eds.; *The Oxford Handbook of the History of Physics*
 P J Bussey, Contemp. Phys. 59 (2018) 84-85
- 2295 Review: R. Healey, *The Quantum Revolution in Philosophy*
 P J Bussey, Contemp. Phys. 59 (2018) 92-94
- 2296 Review: A. Duncan, *The Conceptual Framework of Quantum Field Theory*
 P J Bussey, Contemp. Phys. 59 (2018) 205-206
- 2297 Review: B. Ioffe, *Atom Projects: Events and People*
 P J Bussey, Contemp. Phys. 59 (2018) 205-206
- 2298 Review: J. Bricmont, *Quantum Sense and Nonsense*
 P J Bussey, Contemp. Phys. 59 (2018) 328-329
- 2299 Review: M. Veltman *Facts and Mysteries in Elementary Particle Physics*
 P J Bussey, Contemp. Phys. 60 (2019) 69-70
- 2300 Review: H.C. Öttinger, *A Philosophical Approach to Quantum Field Theory*
 P J Bussey, Contemp. Phys. 60 (2019) 70-71

- 2301 Review: S. Forte et al., eds., *From my Vast Repertoire... Guido Altarelli's Legacy*
P J Bussey, Contemp. Phys. 60 (2019) 88
- 2302 Review: L. Pondrom, *The Soviet Atomic Project*
P J Bussey, Contemp. Phys. 60 (2019) 90
- 2303 Review: P.L. Galison et al., eds., *Einstein for the 21st century. His Legacy in Science, Art and Modern Culture*
P J Bussey, Contemp. Phys. 60 (2019) 96-7
- 2304 Review: N. Gray, *A Student's Guide to General Relativity* and S. Carlip, *General Relativity, a Concise Introduction*
P J Bussey, Contemp. Phys. 60 (2019) 105-106
- 2305 Essay review, Believing without seeing: R. Dardashti et al., eds., *Why Trust a Theory? Epistemology of Fundamental Physics*.
P J Bussey, Contemp. Phys. 60 (2019) 191-194
- 2306 Review: T. Maudlin, *Philosophy of Physics: Quantum Theory*
P J Bussey, Contemp. Phys. 60 (2019) 195-6
- 2307 Review: F. Laloë, *Do we Really Understand Quantum Mechanics?* 2nd. Edn.
P J Bussey, Contemp. Phys. 60 (2019) 272-3
- 2308 Review: W. Schmitz, *Particles, Fields and Forces*
P J Bussey, Contemp. Phys. 60 (2019) 319-20
- 2309 Review: R. Essig and I. Low, eds. *TASI: 2016, Anticipating the Next Discoveries in Particle Physics*
P J Bussey, Contemp. Phys. 60 (2019) 327-8
- 2310 Review: A. J. Larkowsky, *Elementary Particle Physics, an Intuitive Introduction*
P J Bussey, Contemp. Phys. 60 (2019) 339
- 2311 Review: D. B. Cook, *Schrödinger's Mechanics: Interpretation*
P J Bussey, Contemp. Phys. 61 (2020) 64
- 2312 Review: J. Heilbron, *Niels Bohr, a Very Short Introduction*
P J Bussey, Contemp. Phys. 61 (2020) 67-8
- 2313 Review: M. A. Malkan and B. Zuckerman, eds., *Origin and evolution of the universe. From Big Bang to exobiology, 2nd edn.*,
P J Bussey, Contemp. Phys. 61 (2020) 312-313
- 2314 Natural Law - "God's Law in our Hearts"
P J Bussey, Science and Christian Belief, 32 (2020) 5
- 2315 Review: E. Sober, *Cambridge Elements: the Design Argument* and M. Almeida, *Cambridge Elements: Cosmological Arguments*
P J Bussey, Science and Christian Belief, 32 (2020) 92-94
- 2316 Comment on article by John Mitchell
P J Bussey, Science and Christian Belief, 32 (2020) 173-4
- 2317 God's Glory in the Physical Universe
P J Bussey, in A J Akala, ed., *Exploring the Glory of God*, Lexington (2020) 131
- 2318 How might God have guided evolution?
P J Bussey, Perspectives on Science and Christian Faith, 73 (2021) 1-9
- 2319 Essay Review: Multiverse – physics or philosophy?
P J Bussey, Contemp. Phys. 62 (2021) 39-41
- 2320 Review: J. J. Sakurai and J. Napolitano, *Modern quantum mechanics*
P J Bussey, Contemp. Phys. 62 (2021) 53-54
- 2321 Review: V. Allori et al., eds., it Do wave functions jump? Perspectives of the work of GianCarlo Ghirardi
P J Bussey, Contemp. Phys. 62 (2021) 105-106

- 2322 Review: S. Raby, *Introduction to the standard model and beyond: quantum field theory, symmetries and phenomenology*
P J Bussey, Contemp. Phys. 62 (2022) 123
- 2323 Review: C. Rovelli, *General relativity: the essentials*
P J Bussey, Contemp. Phys. 62 (2022) 180
- 2324 Review: K. P. Thorne and Roger D. Blandford, *Statistical physics, vol. 1 of Modern Classical Physics*
P J Bussey, Contemp. Phys. 62 (2022) 181-182
- 2325 Review: V. Petkov, *Seven fundamental concepts in spacetime physics*
P J Bussey, Contemp. Phys. 62 (2022) 187-188
- 2326 Review Article, Resolving a paradox
P J Bussey, Contemp. Phys. 62 (2022) 233-235
- 2327 Obituary, David Saxon
Peter Bussey and Tony Doyle, CERN Courier (2022) March/April, 64
- 2328 Improving our understanding of the Klein–Gordon equation
P J Bussey, Global J. Sci. Front. Res. A (2022) 7