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
2 The $\pi^- p \rightarrow \pi^0 n$ charge-exchange cross-sections between 90 MeV and 290 MeV
3 $\pi p$ elastic scattering from 88 to 292 MeV
4 The recoil proton polarization in the reaction $\gamma p \rightarrow \pi^0 p$ in the third resonance region
5 A measurement of the beam asymmetry parameter for neutral pion production in the energy range 1.2-2.8 GeV
6 The polarised beam asymmetry in photoproduction of eta mesons from protons at 2.5 GeV and 3.0 GeV
7 Polarisation parameters in positive pion photoproduction
8 Polarisation parameters in neutral pion photoproduction
9 Measurements of the double polarisation parameters $G$ and $H$ in neutral pion photoproduction
10 Measurements of the polarisation parameters $G$ and $H$ in positive pion photoproduction
11 The polarised target asymmetry in photoproduction of eta mesons from protons at 4 GeV

The Omega Photon Collaboration at CERN SPS.
12 Jet-like structure in the reaction $\gamma p \rightarrow \pi^+\pi^-\pi^+\pi^-\pi^+\pi^-$
13 Observation of a charmed neutral meson produced in a high-energy photon interaction
14 Observation of an $\omega\pi^0$ state of mass 1.25 GeV produced by photons of energy 20-70 GeV
15 Observation of the $\rho'(1600)$ in the channel $\gamma p \rightarrow \pi^+\pi^-$
16 Observation of a threshold enhancement in the reaction $\gamma p \rightarrow K^+K^-\pi^+\pi^-\pi^-$ at $\gamma$ energies of 20-70 GeV
17 Proton-antiproton states in high energy photoproduction
18 Photoproduction of charmed $D$ mesons at $\gamma$ energies of 40-70 GeV
19 Photoproduction of $K^+K^-$ pairs on hydrogen at photon energies of 20 to 36 GeV
20 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

21 Inclusive photoproduction of $\phi$-mesons at photon energies of 25 to 70 GeV

22 A high energy tagged polarised photon beam

23 Observation of charmed particles produced by high-energy photons in nuclear emulsions coupled with a magnetic spectrometer

24 Associated photoproduction of a charmed meson and a charmed baryon

25 Observation of pairs of charmed particles produced by high-energy photons in nuclear emulsions coupled with a magnetic spectrometer

26 Photoproduction of charmed $F$ mesons at $\gamma$ energies of 20 to 70 GeV

27 The reaction $\gamma p \rightarrow p\pi^+\pi^-\pi^+\pi^-$ for photon energies from 25 to 70 GeV

28 A search for the decays of $F$ into $\rho$ mesons in a photoproduction experiment.

29 Evidence for a high mass enhancement in $K^+K^-$ photoproduction

30 Observation of the photoproduction of a $D^0\bar{D}^0$ pair of charmed mesons
JETP Lett. 34 (1981) 456-461

31 The decay of the $\rho'(1600)$ into $\pi^+\pi^-\pi^0\pi^0$

32 Radiation from planar channeled 5-55 GeV/c positrons and electrons

33 Inclusive production of lambda and antilambda in $\gamma p$ interactions, for photon energies between 25 and 70 GeV

34 A study of inclusive photoproduction of hyperons and antihyperons in the range of 20 to 70 GeV

35 The 25-70 GeV tagged photon facility at CERN.

36 Photoproduction of $\rho^0$ and $\omega$ on hydrogen at photon energies of 20 to 70 GeV

37 Further evidence for photoproduction of charmed $F$-mesons
M Atkinson et al., Z. Phys. C17 (1983) 1-4

38 Photoproduction of an isoscalar $3\pi$ resonance at 1.67 GeV

39 A polarised high energy tagged photon beam
P J Bussey et al., Nucl. Instr. Meth. 211 (1983) 301-308

P. J. Bussey
The reaction $\gamma p \rightarrow \rho \omega \pi^+ \pi^-$ for photon energies of 25-50 GeV

Photoproduction of $KK\pi$ final states in the photon energy range 25 to 70 GeV

Photoproduction of $\pi^+ \pi^- \pi^0$ on hydrogen with linearly polarised photons of energy 20 to 70 GeV

Inclusive photoproduction of $\delta(980)$ and $B(1235)$ at high $x_F$

Photoproduction of $\rho\rho$ and $\rho f$ systems.

Observation of a peak at 1.28 GeV in the $\eta\pi\pi$ system in the reaction $\gamma p \rightarrow \eta\pi^+\pi^-p$

A spin-parity analysis of the $\omega\pi^0$ enhancement photoproduced in the energy range 20-70 GeV

Inclusive photoproduction of $\rho$ and $\omega$ in the photon energy range 20 to 70 GeV

Photoproduction of multiparticle states in the beam fragmentation region for photon energies in the range 50-70 GeV

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

Photoproduction of $\phi$ 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

Evidence for a $\omega\rho^\pm\pi^\mp$ state in diffractive photoproduction
M Atkinson et al., Z. Phys. C29 (1985) 333-338

Inclusive photoproduction of $\phi$, $K^*(890)$ and $K^*(1420)$ in the photon energy range 20 to 70 GeV
M Atkinson et al., Z. Phys. C30 (1986) 521-530

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

Search for a $\phi'$ vector meson in diffractive photoproduction of $K^+K^-\pi^+\pi^-$
M Atkinson et al., Z. Phys. C30 (1986) 541-544

Diffractive photoproduction of a $b_1p$ system.

A peak in the $\eta\omega$ mass spectrum from diffractive photoproduction

Photons diffractive dissociation to $\rho\rho\pi$ and $\rho\pi\pi\pi$ states

The PLUTO Collaboration

Energy moments for quark jets at PETRA
Ch Berger et al., Z. Phys. C19 (1983) 205-212

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

Measurement of transverse momenta in $e^+e^-$ annihilation jets at PETRA
Ch Berger et al., Z. Phys. C22 (1984) 103-107

P. J. Bussey
61 Exclusive production of hadron pairs at large momentum transfer in photon-photon reactions  

62 Measurement of the photon structure function $F_2(x, Q^2)$  

63 Measurement of deep inelastic electron scattering off virtual photons  

64 Measurement of exclusive $\eta'$ production in $\gamma\gamma$ reactions  

65 The $Q^2$ and transverse momentum dependence of jet production in photon-photon interactions  

66 Pion pair production in photon-photon interactions  

67 Measurement of the total photon-photon cross section for the production of hadrons at small $Q^2$  

68 Formation of the tensor meson $A_2^{1320}$ in photon-photon interactions  

69 A measurement of the $Q^2$ and $W$ dependence of the $\gamma\gamma$ total cross section for hadron production  

70 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

71 Tagged two photon production of muon pairs  
Ch Berger et al., Z. Phys. C27 (1985) 249-256

72 Tests of the standard model with lepton pair production in $e^+e^-$ reactions  
Ch Berger et al., Z. Phys. C27 (1985) 341-349

73 Measurement of tau-lepton production and decay  
Ch Berger et al., Z. Phys. C28 (1985) 1-8

74 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

75 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

76 Jet production at high transverse momenta by interactions of two quasi-real photons  
Ch Berger et al., Z. Phys. C29 (1985) 499-503

77 Evidence for exclusive $\eta_c$ production in $\gamma\gamma$ interactions  

78 Jet production in photon-photon interactions  
Ch Berger et al., Z. Phys. C33 (1987) 351-357

79 Measurement and QCD analysis of the photon structure function $F_2(x, Q^2)$  

80 Tensor meson excitation in the reaction $\gamma\gamma \rightarrow K^0\bar{K}^0$  

81 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

82 Limits on spin 0 bosons in $e^+e^-$ annihilation up to 45.2 GeV cm energy  

P. J. Bussey
Observation of a multiparticle event with two isolated energetic muons in $e^+e^-$ interactions

Search for new heavy quarks in $e^+e^-$ collisions up to 46.78 GeV

An investigation of the processes $e^+e^-\rightarrow \mu^+\mu^-\gamma$ and $e^+e^-\rightarrow e^+e^-\gamma$

Experimental limit on monojet production in $e^+e^-$ annihilation

Excited lepton search.

A search for single photons at PETRA

Search for light leptoquark bosons

Search for excited quarks in $e^+e^-$ interactions with the CELLO detector

Determination of $\alpha_s$ and $\sin^2\theta_W$ from measurements of the total hadronic cross-section in $e^+e^-$ annihilation

Searches for supersymmetric particles with the CELLO Detector at PETRA

A measurement of the muon pair production in $e^+e^-$ annihilation at 39.3 $\leq \sqrt{s} \leq$ 46.8 GeV

A search for hadronic events with low thrust and an isolated lepton

A search for the production of charged Higgs particles

Upper limit for the decay $\tau \rightarrow \eta \pi \nu$

A study of the three- and four-photon final states produced in $e^+e^-$ annihilation at 35 $\leq \sqrt{s} \leq$ 46.8 GeV

An analysis of multihadronic events produced with two energetic leptons in $e^+e^-$ annihilation

A search for new leptons
H-J Behrend et al., Z. Phys. C41 (1988) 7-16

Neutrino counting with the CELLO detector and search for supersymmetric particles

$K^0L\pi$ production in tagged and untagged $\gamma\gamma$ interactions
H-J Behrend et al., Z. Phys. C42 (1989) 367-376

Measurement of the reaction $\gamma\gamma \rightarrow \rho^+\rho^-$ with the CELLO detector.

$\tau$ production and decay with the CELLO detector in PETRA

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

P. J. Bussey
105 The $K_0^* K_0^*$ final state in $\gamma\gamma$ interactions

106 Model-independent limits on $\Lambda_{QCD}$ from $e^+ e^-$ annihilation
in the energy range 14 to 46 GeV
H-J Behrend et al., Z. Phys. C44 (1989) 63-70

107 Inclusive strange particle production in $e^+ e^-$ annihilation
H-J Behrend et al., Z. Phys. C46 (1990) 397-403

108 Exclusive $\tau$ decays with the CELLO detector at PETRA
H-J Behrend et al., Z. Phys. C46 (1990) 537-546

109 $a_2(1320)$ 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

110 Measurement of inclusive $\gamma$, $\pi^0$ and $\eta$ production in $e^+ e^-$ annihilation at $\sqrt{s} \geq 35$ GeV
H-J Behrend et al., Z. Phys. C47 (1990) 1-10

111 Heavy quark charge asymmetries with the CELLO detector

112 Global properties of pion production in the reaction $\gamma\gamma \rightarrow 3\pi^+ 3\pi^-$

113 $\rho^0$ production in the reaction $\gamma\gamma \rightarrow 3\pi^+ 3\pi^-$ and search for $\gamma\gamma \rightarrow \rho^0 \rho^0(1700)$

114 A measurement of the $\pi^0$, $\eta$ and $\eta'$ electromagnetic form factors

115 Fractal dimensions from a 3-dimensional intermittency analysis in $e^+ e^-$ annihilation

116 Cross section measurement and spin-parity analysis of the reaction $\gamma\gamma \rightarrow \omega \rho$

117 Limits on electron compositeness from Bhabha scattering

118 A search for substructure of leptons and quarks with the CELLO detector.

119 Studies of multihadronic final states in photon-photon interactions

120 Multihadronic final states in two-photon interactions in CELLO.
P J Bussey, proc. XXVI Rencontre de Moriond (High Energy Hadronic Interactions),

121 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

122 A measurement of $\sigma_{tot}(\gamma p)$ at $\sqrt{s} = 210$ GeV

123 Observation of hard scattering in photoproduction at HERA

124 Initial study of deep inelastic scattering with ZEUS at HERA

125 Observation of two-jet production in deep inelastic scattering at HERA

P. J. Bussey
126 Search for leptoquarks with the ZEUS detector

127 Hadronic energy distributions in deep-inelastic electron-proton scattering
M Derrick et al., Z. Phys. C59 (1993) 231-242

128 Observation of events with a large rapidity gap in deep inelastic scattering at HERA

129 Search for excited electrons using the ZEUS detector

130 Measurement of the proton structure function $F_2$ in $ep$ scattering at HERA

131 Observation of direct processes in photoproduction at HERA

132 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

133 Observation of jet production in deep inelastic scattering with a large rapidity gap at HERA

134 Comparison of energy flows in deep inelastic scattering with and without a large rapidity gap

135 Photoproduction at ZEUS.

136 Measurement of the proton structure function $F_2$ from the 1993 HERA data.

137 A Search for excited fermions in electron-proton collisions at HERA
M Derrick et al., Z. Phys. C65 (1995) 627-647

138 Inclusive jet differential cross sections in photoproduction at HERA

139 Extraction of the gluon density of the proton at small $x$

140 Observation of hard scattering in photoproduction events with a large rapidity gap at HERA

141 Dijet cross sections in photoproduction at HERA

142 Study of $D^*(2010)^\pm$ production in $ep$ collisions at HERA

143 Measurement of charged and neutral current $ep$ deep inelastic scattering cross sections at high $Q^2$

144 Measurement of the cross section for the reaction $\gamma p \to J/\psi p$ with the ZEUS Detector at HERA

145 Jet production in high $Q^2$ deep-inelastic $ep$ scattering at HERA

146 Measurement of multiplicity and momentum spectra in the current fragmentation region of the Breit frame at HERA

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147 Inclusive transverse momentum distributions of charged particles in diffractive and non-diffractive photoproduction at HERA

148 Study of the photon remnant in resolved photoproduction at HERA

149 Diffractive hard photoproduction at HERA and evidence for the gluon content of the pomeron

150 Exclusive $\rho^0$ production in deep inelastic electron-proton scattering at HERA

151 Neutral Strange particle production in deep inelastic scattering at HERA

152 Measurement of the diffractive structure function in deep inelastic scattering at HERA
M Derrick et al., Z. Phys. C68 (1995) 569-584

153 Measurement of elastic $\rho^0$ photoproduction at HERA

154 Measurement of $\alpha_s$ from jet rates in deep inelastic scattering

155 Measurement of the proton structure function $F_2$ at low $x$ and low $Q^2$ at HERA

156 Rapidity gaps between jets in photoproduction at HERA

157 Inclusive charged particle distribution in deep inelastic scattering events at HERA
M Derrick et al., Z. Phys. C70 (1996) 1-15

158 Measurement of elastic $\phi$ photoproduction at HERA

159 Measurement of the diffractive cross section in deep inelastic scattering
M Derrick et al., Z. Phys. C70 (1996) 391-412

160 Measurement of the reaction $\gamma^* p \rightarrow \phi p$ in deep inelastic $e^+ p$ scattering at HERA

161 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

162 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

163 Observation of events with an energetic forward neutron in deep inelastic scattering at HERA

164 Dijet angular distributions in resolved and direct photoproduction at HERA

165 Observation of isolated high-$E_T$ photons in hard photoproduction at HERA

166 Measurements of elastic $\omega$ production at HERA
M Derrick et al., Z. Phys. C73 (1997) 73-84

167 The ZEUS Leading Proton Spectrometer and its use in the Measurement of elastic $\rho^0$ photoproduction at HERA

P. J. Bussey
168 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

169 Differential cross section s of D*± photoproduction in ep collisions at HERA

170 Comparison of ZEUS data with standard model predictions for e+p → e+X scattering at high x and Q²

171 Measurement of elastic J/ψ photoproduction at HERA

172 Study of photon dissociation in diffractive photoproduction at HERA

173 D* production in deep inelastic scattering at HERA

174 Measurement of the proton structure function F₂ and σγ* p at low Q² and very low x at HERA

175 Observation of isolated high ET photons in photoproduction at HERA

176 Measurement of inelastic J/ψ photoproduction at HERA

177 A search for excited fermions in e+p collisions at HERA

178 Observation of scaling violations in scaled momentum distributions at HERA

179 Measurement of the diffractive structure function F²D(4) at HERA

180 Dijet cross sections in photoproduction at HERA

181 Measurement of jet shapes in photoproduction at HERA

182 Event shape analysis of deep inelastic scattering events with a Large Rapidity Gap at HERA

183 Measurement of jet shapes in high Q² deep inelastic scattering at HERA

184 Charged particles and neutral kaons in photoproduced jets at HERA

185 Measurement of the t distribution in diffractive photoproduction at HERA

186 Elastic and proton-dissociative ρ0 photoproduction at HERA

187 High-ET inclusive jet cross sections in photoproduction at HERA

188 Diffractive dijet cross sections in photoproduction at HERA

189 Search for selectron and squark production in e+p collisions at HERA

P. J. Bussey
190 Measurement of elastic Υ photoproduction at HERA  

191 Measurement of three-jet distributions in photoproduction at HERA  

192 Measurement of the diffractive cross section in deep inelastic scattering using ZEUS 1994 data.  

193 Measurement of inclusive D^{±} and associated dijet cross sections in photoproduction at HERA  

194 Forward jet production in deep inelastic scattering at HERA  

195 Exclusive electroproduction of ρ^{0} and J/Ψ mesons at HERA  

196 ZEUS results on the measurement and phenomenology of F_{2} at low x and low Q^{2}  

197 Measurement of jet shapes in high-Q^{2} deep inelastic scattering at HERA  

198 Measurement of multiplicity and momentum spectra in the current and target regions of the Breit frame in deep inelastic scattering at HERA  

199 W production and the search for events with an isolated high-energy Lepton and missing transverse momentum at HERA  

200 Measurement of High Q^{2} neutral-current e^{+}p Deep Inelastic Scattering cross sections at HERA  

201 Measurement of dijet photoproduction at high transverse energies at HERA  

202 Search for contact interactions in Deep Inelastic e^{+}p → e^{+}X scattering at HERA  

203 Measurement of high Q^{2} charged-current e^{+}p Deep Inelastic Scattering cross sections at HERA  

204 Angular and current-target correlations in deep inelastic scattering at HERA  

205 Measurement of D^{±} production and the charm contribution to F_{2} in deep inelastic scattering at HERA  

206 Measurement of the spin-density matrix elements in exclusive electroproduction of ρ^{0} mesons at HERA  

207 Measurement of diffractive photoproduction of vector mesons at large momentum transfer at HERA  

208 Measurement of inclusive prompt photon photoproduction at HERA  

209 Measurement of the \frac{E_{T,jet}^{2}}{Q^{2}} dependence of forward jet production at HERA  

210 The Q^{2} dependence of dijet cross sections in γp interactions at HERA  

211 Search for resonances decaying to e^{±}-jet in e^{±}p interactions at HERA  
212 Measurement of azimuthal asymmetries in deep inelastic scattering  

213 Measurement of inclusive $D_{s}^{+}$ photoproduction at HERA  

214 Measurement of the proton structure function $F_{2}$ at very low $Q^{2}$ at HERA  

215 Measurement of exclusive $\omega$ electroproduction at HERA  

216 Search for resonance decays to $\bar{\nu}$-jet in $e^{+}p$ scattering at HERA  

217 Measurement of dijet cross sections for events with a leading neutron in photoproduction at HERA  

218 Measurement of open beauty production in photoproduction at HERA  

219 Measurement of dijet production in neutral current deep inelastic scattering at high $Q^{2}$ and determination of $\alpha_{s}$  

220 Study of the effective transverse momentum of partons in the proton using prompt photons in photoproduction at HERA  

221 Multiplicity moments in deep inelastic scattering at HERA  

222 Measurement of the neutral current cross section and $F_{2}$ structure function for deep inelastic $e^{+}p$ scattering at HERA  

223 Three-jet production in diffractive deep inelastic scattering at HERA  

224 Properties of hadronic final states in diffractive deep inelastic scattering at HERA  

225 Dijet production in neutral current deep inelastic scattering at HERA  

226 Searches for excited fermions in $ep$ collisions at HERA  

227 Measurement of the photon-proton total cross section at a center-of-mass energy of 209 GeV at HERA  

228 High-mass dijet cross sections in photoproduction at HERA  

229 Dijet photoproduction at HERA and the structure of the photon  

230 Search for lepton-flavor violation in $e^{+}p$ collisions at HERA  

231 Exclusive photoproduction of $J/\psi$ mesons at HERA  

232 Measurement of the $Q^{2}$ and energy dependence of diffractive interactions at HERA  

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233 Leading Neutron production in $e^+p$ collisions at HERA

234 Measurement of high-$Q^2$ charged current cross sections in $e^-p$ deep inelastic scattering at HERA

235 Measurement of proton-dissociative diffractive photoproduction of vector mesons at large momentum transfer at HERA

236 Measurement of diffractive production of $D^{(*)}(2010)$ mesons in deep-inelastic scattering at HERA

237 Inclusive jet cross sections in the Breit frame in neutral current deep inelastic scattering at HERA and determination of $\alpha_s$

238 Measurements of inelastic $J/\psi$ and $\psi'$ photoproduction at HERA

239 ZEUS next-to-leading-order QCD analysis of data on deep inelastic scattering

240 Measurement of high-$Q^2 e^-p$ neutral current cross sections at HERA and the extraction of $xF_3$

241 Leading proton production in $e^+p$ collisions at HERA

242 Study of the azimuthal asymmetry of jets in neutral current deep inelastic scattering at HERA

243 Observation of the strange sea in the proton via inclusive phi-meson production in neutral current deep inelastic scattering at HERA

244 Measurement of event shapes in deep inelastic scattering at HERA

245 Measurement of subjet multiplicities in neutral current deep inelastic scattering at HERA and determination of $\alpha_s$

246 Search for single-top production in $ep$ collisions at HERA

247 Scaling violations and determination of $\alpha_s$ from jet production in $\gamma p$ interactions at HERA

248 Dijet angular distributions in photoproduction of charm at HERA

249 Search for resonance decays to lepton+jet at HERA and limits on leptoquarks

250 Measurement of deeply virtual Compton scattering at HERA

251 Jet production in charged current deep inelastic $e+p$ scattering at HERA

252 Measurement of high-$Q^2$ charged current cross sections in $e^+p$ deep inelastic scattering at HERA

253 Measurement of the open-charm contribution to the diffractive proton structure function

P. J. Bussey
254 Observation of $K_0^0K_0^0$ resonances in deep inelastic scattering at HERA
255 Measurement of $D^{*+}$ production in deep inelastic $e + p$ scattering at HERA
256 Isolated tau leptons in events with large missing transverse momentum at HERA
257 Bose-Einstein correlations in one and two dimensions in deep inelastic scattering
258 Search for QCD-instanton induced events in deep inelastic $ep$ scattering at HERA
259 Bottom photoproduction measured using decays into muons in dijet events in $e p$ collisions at $\sqrt{s}=318$ GeV
260 High-$Q^2$ neutral current cross section in $e^+p$ deep inelastic scattering at $\sqrt{s}=318$ GeV
261 Photoproduction of $D^{*\pm}$ mesons associated with a leading neutron
262 Search for contact interactions, large extra dimensions and finite quark radius in $e p$ collisions at HERA
263 High-$Q^2$ neutral current cross section in $e^+p$ deep inelastic scattering at $\sqrt{s}=318$ GeV
264 Observation of isolated high-$E_T$ photons in deep inelastic scattering
265 Exclusive electroproduction of $J/\psi$ mesons at HERA
266 The dependence of dijet production on photon virtuality in $e p$ collisions at HERA
267 Evidence for a narrow baryonic state decaying to $K_0^0$-(anti)proton in deep inelastic scattering at HERA
268 Measurement of beauty production in deep inelastic scattering at HERA
269 Substructure dependence of jet cross sections at HERA and determination of $\alpha_s$
270 Dissociation of virtual photons in events with a leading proton at HERA
271 Search for a narrow charmed baryonic state decaying to $D^{*+}p^+$ in $e p$ collisions at HERA
272 Study of the pion trajectory in the photoproduction of leading neutrons at HERA
273 Search for pentaquarks decaying to $\Sigma^\pi$ at HERA
274 Study of deep inelastic inclusive and diffractive scattering with the ZEUS Forward Plug Calorimeter
275 An NLO QCD analysis of inclusive cross section and jet production data from the ZEUS Experiment
276 Search for lepton-flavor violation at HERA

277 Forward jet production in deep inelastic $ep$ scattering and low-x parton dynamics at HERA

278 Multijet production in neutral current Deep Inelastic Scattering at HERA and determination of $\alpha_s$

279 Exclusive electroproduction of phi mesons at HERA

280 Measurement of inelastic $J/\psi$ production in Deep Inelastic Scattering at HERA

281 Inclusive jet cross sections and dijet correlations in $D^*$ photoproduction at HERA

282 Measurement of charm fragmentation ratios and fractions in photoproduction at HERA

283 Measurement of high-$Q^2$ deep inelastic scattering cross sections with a longitudinally polarised positron beam at HERA

284 Event shapes in deep inelastic scattering at HERA

285 Measurement of prompt photons with associated jets in photoproduction at HERA

286 Measurement of neutral current cross sections at high Bjorken-$x$ with the ZEUS Detector at HERA

287 Inclusive-jet and dijet cross sections in deep inelastic scattering at HERA

288 Measurement of azimuthal asymmetries in neutral current deep inelastic scattering at HERA

289 Search for stop production in $R$-parity-violating supersymmetry at HERA

290 Measurement of open beauty production at HERA in the $D^*$ muon final state

291 Photoproduction of events with rapidity gaps between jets at HERA

292 Measurement of $K^0_s$, lambda, antilambda production at HERA

293 Jet-radius dependence of inclusive-jet cross sections in deep inelastic scattering at HERA

294 Leading neutron energy and $p_T$ distributions in deep inelastic scattering and photoproduction at HERA

295 Measurement of $D^{*\pm}$ meson production in $e^\pm p$ scattering at HERA

296 Diffractive photoproduction of $D^*(2010)$ at HERA

297 Measurement of $D$ meson production in deep inelastic scattering at HERA
S Chekanov et al., JHEP07 (2007) 074
298 Multijet production at low $x_{Bj}$ in deep inelastic scattering at HERA  

299 Bose-Einstein Correlations of charged and neutral kaons in deep inelastic scattering at HERA  

300 Measurement of (anti)deuteron and (anti)proton production in deep inelastic scattering at HERA  

301 High-$E_T$ dijet photoproduction at HERA  

302 Forward-jet production in Deep Inelastic $ep$ Scattering at HERA  

303 Three- and four-jet final states in photoproduction at HERA  

304 Exclusive $\rho^0$ production in deep inelastic scattering at HERA  
S Chekanov et al., PMC Physics A 1:6

305 Dijet production in diffractive deep inelastic scattering at HERA  

306 Diffractive photoproduction of dijets in $ep$ collisions at HERA  

307 Deep inelastic inclusive and diffractive scattering at $Q^2$ values from 25 to 320 GeV$^2$ with the ZEUS forward plug calorimeter  

308 Multi-jet cross sections in charged current $e^\pm p$ scattering at HERA  

309 Energy dependence of the charged multiplicity in deep inelastic scattering at HERA  
S Chekanov et al., JHEP06 (2008) 061

310 Beauty photoproduction using decays into electrons at HERA  

311 Inclusive $K^0_S\overline{K}^0_S$ resonance production in $ep$ collisions at HERA  

312 Search for events with an isolated lepton and missing transverse momentum and a measurement of $W$ production at HERA  

313 Production of excited charm and charm-strange mesons at HERA  

314 Measurement of beauty production from dimuon events at HERA  
S Chekanov et al., JHEP02 (2009) 032

315 Deep inelastic scattering with leading protons or large rapidity gaps at HERA  

316 Measurement of the charm fragmentation function in D* photoproduction at HERA  
S Chekanov et al., JHEP04 (2009) 082

317 Measurement of beauty photoproduction using decays into muons in dijet events at HERA  
S Chekanov et al., JHEP04(2009) 133

318 Production of excited charm and charm-strange mesons at HERA  

P. J. Bussey
319 Measurement of charged current deep inelastic scattering cross sections with a longitudinally polarised electron beam at HERA

320 A measurement of the $Q^2, W$ and $t$ dependences of deeply virtual Compton scattering at HERA
S Chekanov et al., JHEP05 (2009)108

321 Measurement of high-$Q^2$ neutral current deep inelastic $e^- p$ scattering cross sections with a longitudinally polarised electron beam at HERA

322 Deep inelastic scattering with leading protons or large rapidity gaps at HERA
S Chekanov et al., Nucl. PhysB 816 (2009) 1-61

323 Leading proton production in deep inelastic scattering at HERA
S Chekanov et al., JHEP06 (2009)074

324 Measurement of $D^\pm$ and $D^0$ production in deep inelastic scattering using a lifetime tag at HERA

325 Scaled momentum distributions of charged particles in dijet photoproduction at HERA
S Chekanov et al., JHEP08(2009)077

326 Exclusive photoproduction of $\Upsilon$ mesons at HERA

327 Multi-lepton production at high transverse momentum at HERA

328 Subjet distributions in deep inelastic scattering at HERA

329 Measurement of charm and beauty production in deep inelastic $ep$ scattering from decays into muons at HERA

330 Multi-leptons with high transverse momentum at HERA
F D Aaron et al., H1 and ZEUS Collaborations, JHEP10 (2009) 013

331 Measurement of $J/\psi$ helicity distributions in inelastic photoproduction at HERA
S Chekanov et al., JHEP 12 (2009) 007

332 Measurement of the longitudinal proton structure function at HERA

333 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

334 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

335 Measurement of isolated photon production in deep inelastic $ep$ scattering

336 Measurement of dijet photoproduction for events with a leading neutron at HERA

337 A QCD Analysis of ZEUS diffractive data

338 Measurement of $J/\psi$ photoproduction at large momentum transfer at HERA
S Chekanov et al., JHEP (2010) 5, 1-36

339 Scaled momentum spectra in deep inelastic Scattering at HERA
H Abramowicz et al., JHEP 6 (2010) 9

P. J. Bussey
340 Inclusive-jet cross sections in NC DIS at HERA and a comparison of the $k_T$, anti-$k_T$ and SIScone jet algorithms

341 Measurement of beauty production in DIS and $F_2^b$ extraction at ZEUS

342 Measurement of high-$Q^2$ charged current deep inelastic scattering cross sections with a longitudinally-polarised positron beam at HERA

343 Inclusive dijet cross sections in neutral current deep inelastic scattering at HERA

344 Measurement of $D^+$ and $\Lambda^+$ production in deep inelastic scattering at HERA
H Abramowicz et al., JHEP 11 (2010) 1-27

345 Measurement of the energy dependence of the total photon-proton cross section at HERA

346 Measurement of beauty production in deep inelastic scattering at HERA using decays into electrons

347 Study of tau-pair production at HERA
H Abramowicz et al., JHEP 2 (2011) 117

348 Measurement of heavy-quark jet photoproduction at HERA

349 Angular correlations in three-jet events in $ep$ collisions at HERA

350 Exclusive electroproduction of two pions at HERA

351 Measurement of the $t$ dependence in exclusive photoproduction of $T(1S)$ mesons at HERA

352 Search for single top production in $ep$ collisions at HERA

353 Scaled momentum distributions for $K^0_S$ and $\Lambda/\Lambda\bar{\Lambda}$ in DIS at HERA
H Abramowicz et al., JHEP 3 (2012) 020

354 Search for first-generation leptoquarks at HERA

355 Measurement of isolated photons accompanied by jets in deep inelastic $ep$ scattering

356 Inclusive-jet photoproduction at HERA and determination of $\alpha_s$

357 Combined inclusive diffractive cross sections measured with forward proton spectrometers in deep elastic $ep$ scattering at HERA

358 Production of the excited charm mesons $D_1$ and $D_2^*$ at HERA

359 Measurement of high-$Q^2$ neutral current deep inelastic $e^+p$ scattering cross sections with a longitudinally polarized positron beam at HERA

360 Production of $Z^0$ bosons in elastic and quasi-elastic $ep$ collisions at HERA

P. J. Bussey
Combination and QCD analysis of charm production cross section measurements in deep-inelastic ep scattering at HERA

Measurement of inelastic J/ψ and ψ′ photoproduction at HERA
H Abramowicz et al., JHEP 02 (2013) 071

Measurement of D± production in deep inelastic ep scattering with the ZEUS detector at HERA
H Abramowicz et al., JHEP 05 (2013) 023

Measurement of D∗± production in deep inelastic scattering at HERA
H Abramowicz et al., JHEP 05 (2013) 097
Erratum JHEP 02 (2014) 106

Measurement of charm fragmentation fractions in photoproduction at HERA
H Abramowicz et al., JHEP 09 (2013) 058

Measurement of high-Q² neutral current deep inelastic E+ + p scattering cross sections with a longitudinally polarized positron beam at HERA

Photoproduction of isolated photons, inclusively and with a jet, at HERA

Measurement of neutral current e±p cross sections at high Bjorken x with the ZEUS detector

Further studies of the photoproduction of isolated photons with a jet at HERA.
H Abramowicz et al., JHEP 08 (2014) 023

Deep inelastic cross-section measurements at large y with the ZEUS detector at HERA

The CDF Collaboration

Measurement of the mass difference m(D_s^+) − m(D^+) at CDFII

Search for the flavor-changing neutral current decay D^0 → μ⁺μ⁻ in p̅p collisions at √s = 1.96 TeV

Measurement of prompt charm meson production cross sections in p̅p collisions at √s = 1.96 TeV

Search for B^0(s) → μ⁺μ⁻ and B^0(d) → μ⁺μ⁻ decays in p̅p collisions at √s = 1.96 TeV

Observation of the narrow state X(3872) → J/ψπ⁺π⁻ in p̅p collisions at √s = 1.96 TeV

Measurement of the t̅t production cross section in p̅p collisions at √s = 1.96 TeV using dilepton events.

Search for doubly-charged Higgs bosons decaying to dileptons in p̅p collisions at √s = 1.96 TeV

Measurement of partial widths and search for direct CP violation in D^0 meson decays to K⁻K^+ and π⁻π^⁺

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381 Search for excited and exotic electrons in the $e\gamma$ decay channel in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV

382 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

383 Search for electroweak single top quark production in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV

384 Search for anomalous production of diphoton events with missing transverse energy at CDF and limits on gauge-mediated supersymmetry-breaking models

385 First measurements of inclusive $W$ and $Z$ cross sections from Run II of the Fermilab Tevatron Collider

386 Search for scalar leptoquark pairs decaying to $\nu\bar{\nu}q\bar{q}$ in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV

387 Measurement of the forward-backward charge Asymmetry of electron-positron pairs in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV

388 Search for anomalous kinematics in $t\bar{t}$ dilepton events at CDF II

389 Measurement of the cross section for prompt diphoton production in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV using dilepton events

390 Measurement of the lifetime difference between $B_s$ mass eigenstates

391 Measurement of the $J/\psi$ meson and $b$-hadron production cross sections in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV

392 Measurement of the $W^+W^-$ production cross section in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV using dilepton events

393 Measurement of the moments of the hadronic invariant mass distribution in semileptonic $B$ decays

394 Measurement of the forward-backward charge asymmetry from $W \rightarrow e\nu$ production in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV

395 Search for $ZZ$ and $ZW$ production in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV

396 Study of jet shapes in inclusive jet production in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV

397 Evidence for $B^0 \rightarrow \phi\phi$ decay and measurements of branching ratio and $A_{CP}$ for $B^+ \rightarrow \phi K^+$

398 Search for long-lived doubly-charged Higgs bosons in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV

399 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

400 Measurement of $B(t \rightarrow Wb)/B(t \rightarrow Wq)$ at the Collider Detector at Fermilab

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401 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,

402 Search for new physics using high mass tau pairs from 1.96-TeV $p\bar{p}$ collisions

403 Search for $B_s^0 \rightarrow \mu^+ \mu^-$ and $B^0 \rightarrow \mu^+ \mu^-$ decays in $p\bar{p}$ collisions with CDF II
Publisher's note, Phys. Rev.Lett. 95 (2005) 249905

404 Search for new high mass particles decaying to lepton pairs in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV

405 Search for $B_0^s\rightarrow \mu^+\mu^-$ and $B_0^d\rightarrow \mu^+\mu^-$ decays in $p\bar{p}$ collisions with CDF II

406 Search for new physics using high mass tau pairs from 1.96 TeV $p\bar{p}$ collisions

407 Search for new physics using high mass tau pairs from 1.96 TeV $p\bar{p}$ collisions

408 Search for neutral Higgs bosons of the Minimal Supersymmetric Standard Model decaying to $\tau$ pairs in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV

409 Precision top quark mass measurement in the lepton + jets topology in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV

410 Search for anomalous decay of heavy flavor hadrons produced in association with a $W$ boson at CDF II

411 Search for anomalous decay of heavy flavor hadrons produced in association with a $W$ boson at CDF II

412 Measurement of 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

413 Top quark mass measurement using the template method in the lepton + jets channel at CDF II

414 Search for charged Higgs bosons from top quark decays in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV

415 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

416 Search for scalar bottom quarks from gluino decays in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV

417 Measurement of the ratios of branching fractions $BR(B_s^0 \rightarrow D_s)/BR(B^0 \rightarrow D^\pm)$ and $BR(B^+ \rightarrow D^{0+})/BR(B^0 \rightarrow D^\mp)$

418 Measurement of the helicity of $W$ bosons in top-quark decays

419 Search for $Z' \rightarrow e^+e^-$ using dielectron mass and angular distribution

420 Search for high-mass resonances decaying to $\epsilon\mu$ in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV

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422 Measurement of mass and width of the excited charmed meson states $D1$ and $D2^*$  

423 Measurement of the dipion mass spectrum in $X(3872) \to J/\psi\pi^+\pi^-$ decays  

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425 Direct search for Dirac magnetic monopoles in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV  

426 Search for second-generation scalar leptoquarks in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV  

427 Top quark mass measurement from dilepton events at CDF II,  

428 Measurement of $b$ hadron masses in exclusive $J/\psi$ decays with the CDF detector  

429 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  

430 Search for high-mass resonances decaying to $e\mu$ in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV  

431 Measurement of $B^+ \to J/\psi e^+ e^-$ meson lifetime using $B^+_s$  

432 Measurement of the $b$ jet cross section in events with a $Z$ boson in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV  

433 Search for new physics in lepton + photon + $X$ events with 305 pb$^{-1}$ of $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV.  

434 Measurement of the ratio of branching fractions $B(D^0 \to K^+\pi^-)/B(D^0 \to K^-\pi^+)$ using the CDF II detector  

435 Measurement of the $B^0_s - \bar{B}^0_s$ oscillation frequency  

436 Search for a neutral Higgs boson decaying to a $W$ boson pair in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV  

437 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  

438 Top quark mass measurement from dilepton events at CDF II with the matrix-element method  

439 Measurement of the inclusive jet cross section in $p\bar{p}$ interactions at $\sqrt{s} = 1.96$ TeV using a cone-based jet algorithm  

440 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  

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441 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

442 Search for excited and exotic muons in the $\mu\gamma$ decay channel in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV

443 Observation of $B_s^0 \to K^+ K^-$ 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

444 Observation of $B_s^0 \to \tau^+ \tau^-$ oscillations

445 Measurement of the ratios of branching fractions $B(B_s^0 \to D_\pi^- \pi^+ \pi^-)/B(B^0 \to D^- \pi^+ \pi^-)$ and $B(B_s^0 \to D^- \pi^+)/B(B^0 \to D^- \pi^+)$

446 Measurement of the $B^+$ production cross section in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV

447 Search for exotic $S = -2$ baryons $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV

448 Search for $V+A$ current in top-quark decays in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV

449 Observation of exclusive electron-positron production in hadron-hadron collisions

450 Measurement of $\sigma_{\Lambda_c^0}/\sigma_{\Lambda_0} \times B(\Lambda_c^0 \to \Lambda_0^- \pi^-)/B(B^0 \to D^+ \pi^-)$ in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV

451 Measurement of the $\Lambda_c^0$ lifetime in $\Lambda_c^0 \to J/\psi \Lambda^0$ in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV

452 Precision measurement of the top quark mass from dilepton events at CDF II

453 Measurement of the helicity fractions of $W$ bosons from top quark decays using fully reconstructed $t\bar{t}$ events with CDF II

454 Analysis of the quantum numbers JPC of the $X(3872)$

455 Search for anomalous production of multilepton events in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV

456 Measurement of the top quark mass in all-hadronic decays in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV

457 Measurement of the top quark mass in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV using the decay length technique

458 Observation of $WZ$ production

459 Measurement of $\sigma_{\chi_c^0} B(\chi_c^0 \to Z) B(Z \to \tau\tau)$ in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV

460 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

461 Measurement of $\sigma_{\chi_c^0} B(\chi_c^0 \to J/\psi\gamma)/\sigma_{\chi_c^0} B(\chi_c^0 \to \rightarrow J/\psi\gamma)$ in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV

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462 Search for new physics in lepton + photon + X events with 929 pb$^{-1}$ of $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV

463 Inclusive search for new physics with like-sign dilepton events in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV

464 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

465 Measurement of the top-quark mass using missing $E_T +$ jets events with secondary vertex b-tagging at CDF II

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468 Search for heavy, long-lived particles that decay to photons at CDF II

469 Polarization of $J/\psi$ and $\psi(2S)$ mesons produced in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV

470 First measurement of the $W$-boson mass in Run II the Tevatron

471 Search for new physics in high mass electron-positron events in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV

472 Search for a high-mass diphoton state and limits on Randall-Sundrum gravitons at CDF

473 Search for new particles leading to $Z +$ jets final states in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV

474 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

475 Search for direct pair production of supersymmetric top and supersymmetric bottom quarks in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV

476 Precise measurement of the top quark mass in the lepton + jets topology at CDF II

477 Measurements of inclusive $W$ and $Z$ cross sections in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV

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479 Search for chargino-neutralino production in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV

480 Limits on anomalous triple gauge couplings in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV

481 Search for exclusive gamma gamma production in hadron-hadron collisions

482 First observation of the decay $B^0_s \rightarrow D_s - D^+_s$ and measurement of its branching ratio

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483 Search for standard model Higgs bosons produced in association with W bosons

484 Measurement of the cross section for W-boson production in association with jets in p̅p collisions at \( \sqrt{s} = 1.96 \) TeV

485 Observation of orbitally excited Bs mesons

486 A direct measurement of the W boson width in p̅p collisions at \( \sqrt{s} = 1.96 \) TeV

487 Cross section constrained top quark mass measurement from dilepton events at the Tevatron

488 Search for chargino-neutralino production in p̅p collisions at \( \sqrt{s} = 1.96 \) TeV with high-p(\( t \)) leptons

489 Limits on the production of narrow t̅t resonances in p̅p collisions at \( \sqrt{s} = 1.96 \) TeV

490 Observation of exclusive dijet production at the Fermilab Tevatron p̅p Collider

491 Search for B^0(s) → μ^+μ^- and B^0(d) → μ^+μ^- decays in 2 fb\(^{-1}\) of p̅p collisions at \( \sqrt{s} = 1.96 \) TeV

492 First measurement of the production of a W boson in association with a single charm quark p̅p collisions at \( \sqrt{s} = 1.96 \) TeV

493 Measurement of inclusive jet cross sections in Z/γ*→e^+e^-+jets production in p̅p collisions at \( \sqrt{s} = 1.96 \) TeV

494 Measurement of ratios of fragmentation fractions for bottom hadrons in p̅p collisions at \( \sqrt{s} = 1.96 \) TeV

495 Search for heavy top-like quarks using lepton plus jets events in p̅p collisions at \( \sqrt{s} = 1.96 \) TeV

496 Evidence for D^0\̅D^0 mixing using the CDF II Detector

497 First flavor-tagged determination of bounds on mixing-induced CP violation in B^0 → J/ψφ decays

498 Two-particle momentum correlations in jets produced in p̅p collisions at \( \sqrt{s} = 1.96 \) TeV

499 Measurement of correlated b̅b production in p̅p collisions at \( \sqrt{s} = 1.96 \) TeV

500 Observation of the decay B^±_s → J/ψπ^± and Measurement of the B^±_s mass

501 Measurement of lifetime and decay-width difference in B^0(s) → J/ψφ decays

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503 Search for third generation vector leptoquarks in p̅p collisions at \( \sqrt{s} = 1.96 \) TeV

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504 First Run II Measurement of the $W$ boson mass

505 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

506 Strong evidence for $ZZ$ production in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV

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508 Model-Independent and quasi-model-independent search for new physics at CDF

509 Search for new heavy particles decaying into $Z^0 Z^0 \rightarrow eee e$ in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV

510 Search for Standard Model Higgs boson production in association with a $W$ boson at CDF

511 Search for pair production of scalar top quarks decaying to a $\tau$ lepton and a $b$ quark in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV

512 Search for doubly charged Higgs bosons with lepton-flavor-violating decays involving tau leptons

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514 Measurement of the inclusive jet cross section at the Fermilab Tevatron $p\bar{p}$ collider using a cone-based jet algorithm

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519 First Measurement of the fraction of top quark pair production through gluon-gluon fusion

520 Search for Higgs boson produced with $Z \rightarrow l^+l^-$ in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV

521 Measurement of the single top quark production cross section at CDF

522 Search for supersymmetry in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV using the trilepton signature of chargino-neutralino production

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524 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

525 Search for a Higgs boson decaying to two W bosons at CDF

526 Search for high-mass $e^+e^-$ resonances in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV

527 Search for maximal flavor violating scalars in same-charge lepton pairs in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV

528 Direct bound on the total decay width of the top quark in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV

529 Measurement of the fraction of $t\bar{t}$ production via gluon-gluon fusion in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV

530 First Measurement of the ratio of branching fractions $B(\Lambda^0(b) \rightarrow \Lambda^+_c \mu^- \nu_\mu)/B(\Lambda^0(b) \rightarrow \Lambda^+_c \pi^\pm)$

531 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

532 A search for high-mass resonances decaying to dimuons at CDF

533 Measurement of Resonance parameters of orbitally excited narrow $B^0$ mesons

534 Measurement of the $t\bar{t}$ production cross section in 2 fb$^{-1}$ of bar collisions at $\sqrt{s} = 1.96$ TeV using lepton plus jets events with soft muon $b$-tagging,

535 Measurement of cross sections for $b$-jet production in events with a Z boson in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV

536 Inclusive search for squark and gluino production in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV

537 Search for top-quark production via flavor-changing neutral currents in $W + 1$ jet events at CDF

538 Measurement of the top quark mass with dilepton events selected using neuroevolution at CDF II

539 Top quark mass measurement in the lepton plus jets channel using a modified matrix element eethod

540 Measurement of the top quark mass at CDF using the neutrino $\phi$ weighting template method on a lepton plus isolated track sample,

541 Top quark mass measurement in the $t\bar{t}$ all hadronic channel using a matrix element technique in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV

542 Measurement of the $b$-hadron production cross section using decays to $\mu - D^0X$ final states in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV

543 First simultaneous measurement of the top quark mass in the lepton + jets and dilepton channels at CDF
544 Search for new particles decaying into dijets in $p \bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV

545 Measurement of W-boson helicity fractions in top-quark decays using $\cos \theta^*$

546 Direct measurement of the W production charge asymmetry in $p \bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV

547 Search for the decays $B_{s}^0 \rightarrow e^+\mu^-$ and $B_{s}^0 \rightarrow e^+e^-$ in CDF Run II,

548 Search for gluino-mediated bottom squark production in $p \bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV

549 Search for exclusive $Z$ boson production and observation of high mass $p \bar{p} \rightarrow p\gamma\gamma \rightarrow p\ell^+\ell^-\bar{p}$ events in $p \bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV

550 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

551 Measurement of the $k_T$ distribution of particles in jets produced in $p \bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV

552 Observation of exclusive charmonium production and $\gamma\gamma \rightarrow \mu^+\mu^-$ in $p \bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV

553 Evidence for a narrow near-threshold structure in the $J/\psi\phi$ mass spectrum in $B^+ \rightarrow J/\psi\phi K^+$ decays,

554 Measurement of the ratio of branching fractions $BB \rightarrow J/\psi\pi^\pm/BB \rightarrow J/\psi K^\pm$

555 Measurement of particle production and inclusive differential cross sections in $p \bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV

556 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,

557 Search for $WW$ and $WZ$ production in lepton plus jets final states at CDF

558 Search for narrow resonances lighter than $T$ mesons

559 Searching the inclusive $\ell\gamma$ missing $E(t)+ b$-quark signature for radiative top quark decay and non-
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560 Search for a Standard Model Higgs boson production in association with a $W$ boson using a neural network

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562 Measurement of the mass of the top quark using the invariant mass of lepton pairs in soft muon $b$-tagged

563 Search for the neutral current top quark decay $t \rightarrow Zc$ using ratio of $Z$-boson + 4 jets to $W$-boson + 4
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564 Search for anomalous production of events with a photon, jet, b-quark jet, and missing transverse energy

565 Search for hadronic decays of W and Z bosons in photon events in p\bar{p} collisions at \sqrt{s} = 1.96 TeV
  Publisher's note, Phys. Rev. D 80 (2009) 079901

566 A search for the Higgs boson produced in association with Z → \ell^+\ell^- using the matrix element method at CDF II

567 Observation of the \Omega^-_c and measurement of the properties of the \Xi^-_c and \Omega^-_b baryons

568 Search for long-lived massive charged particles in 1.96 TeV p\bar{p} collisions

569 Observation of new charmless decays of bottom hadrons

570 Search for a fermiophobic Higgs boson decaying into diphotons in p\bar{p} collisions at \sqrt{s} = 1.96 TeV

571 Search for the production of narrow tb resonances in 1.9 fb^{-1} of p\bar{p} collisions at \sqrt{s} = 1.96 TeV

572 First observation of vector boson pairs in a hadronic final state at the Tevatron Collider

573 Observation of electroweak single top quark production

574 Search for a Standard Model Higgs boson in WH → \ell\nu\bar{b}\bar{b} in p\bar{p} collisions at \sqrt{s} = 1.96 TeV

575 Search for charged Higgs bosons in decays of top quarks in p\bar{p} collisions at \sqrt{s} = 1.96 TeV

576 Precision measurement of the X(3872) mass in J/ψπ^+π^- decays

577 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^{\pm}_s\pi^-)

578 Search for Higgs bosons predicted in two-Higgs-doublet models via decays to tau lepton pairs in 1.96 TeV p\bar{p} collisions

579 A search for the associated production of the Standard-Model Higgs boson in the all-hadronic channel

580 Measurement of the inclusive isolated prompt photon cross section in p\bar{p} collisions at \sqrt{s} = 1.96 TeV
  using the CDF detector

581 Search for supersymmetry with gauge-mediated breaking in diphoton events with missing transverse energy at CDF II

582 Inclusive search for Standard Model Higgs boson production in the WW decay channel using the CDF II Detector

583 Combination of Tevatron searches for the Standard Model Higgs boson in the W^+W^- decay mode
584 Measurement of the top quark mass in the dilepton channel using $m_{T2}$ at CDF  

585 Measurement of branching fraction ratios and CP asymmetries in $B^\pm \rightarrow D_{CP}K^\pm$ decays in hadron collisions  

586 Measurements of the top-quark mass using charged particle tracking  

587 Search for new bottomlike quark pair decays $QQ^- \rightarrow (tW^\pm)(\bar{t}W^\mp)$ in same-charge dilepton events  

588 Measurement of the $WW+WZ$ production cross section using the lepton + jets final state at CDF II  

589 Measurement of the $Λ^0_b$ lifetime in $Λ^0_b \rightarrow Λ^+ cπ^-$ decays in $p\bar{p}$ collisions at $\sqrt{s}=1.96$ TeV  

590 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  

591 A study of the associated production of photons and $b$-quark jets in $p\bar{p}$ collisions at $\sqrt{s}=1.96$ TeV  

592 Search for technicolor particles produced in association with a $W$ boson at CDF  

593 Measurement of the $b$-jet cross section in events with a $W$ boson in $p\bar{p}$ collisions at $\sqrt{s}=1.96$ TeV  

594 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  

595 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  

596 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  

597 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  
Publisher’s Note: Phys. Rev. Lett. 105 (2010) 019905

598 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  

599 Search for pair production of supersymmetric top quarks in dilepton events in $p\bar{p}$ collisions at $\sqrt{s}=1.96$ TeV  

600 First measurement of the ratio $σ_{t\bar{t}}/σ_{Z/\gamma \rightarrow ll}$ and precise extraction of the $t\bar{t}$ cross section  

601 Combined Tevatron upper limit on $gg \rightarrow H \rightarrow W^+W^-$ and constraints on the Higgs boson mass in fourth-generation fermion models  

602 Measurement of $W$-boson polarization in top-quark decay in $p\bar{p}$ collisions at $\sqrt{s}=1.96$ TeV  

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603 Search for a new color-octet vector particle decaying to $t\bar{t}$ collisions at $\sqrt{s} = 1.96$ TeV

604 Search for the production of scalar bottom quarks in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV

605 Measurement of $Z\gamma$ production in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV

606 Studying the underlying event in Drell-Yan and high transverse momentum jet production at the Tevatron

607 Measurement of the top pair production cross section in the dilepton decay channel in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV

608 Exclusion of an exotic top quark with -4/3 electric charge using soft lepton tagging

609 Search for new physics with a dijet plus missing $E_T$ signature in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV

610 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

611 Study of multi-muon events produced in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV

612 Search for anomalous production of events with two photons and additional energetic objects at CDF

613 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

614 Search for the supersymmetric partner of the top quark in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV

615 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

616 Direct top-quark width measurement at CDF

617 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

618 Top quark mass measurement in the lepton+jets channel using a matrix element method and in situ jet energy calibration

619 Measurement of the $WW + WZ$ cross section using a matrix element technique in lepton+jets events

620 Diffractive $W$ and $Z$ production at the Fermilab Tevatron

621 Observation of single top quark production and measurement of $|V_{tb}|$ with CDF

622 Search for Randall-Sundrum gravitons in the diphoton channel at CDF
623 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

624 Measurement of the $B^-$ lifetime using a simulation free approach for trigger bias correction

625 Measurement of $t\bar{t}$ spin correlation in $p\bar{p}$ collisions using the CDF II detector at the Tevatron

626 Search for high mass resonances decaying into muon pairs in $\sqrt{s} = 1.96$ TeV $p\bar{p}$ collisions

627 Measurement of $b$ hadron lifetimes in exclusive decays containing a $J/\psi$ in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV

628 Observation of $B^0_s \rightarrow J/\psi K^* (892)^0$ and $B^0_s \rightarrow J/\psi K^0_s$ decays

629 Search for heavy bottomlike quarks decaying into an electron or muon and jets in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV

630 Measurement of the mass difference between $t$ and $\bar{t}$ quarks

631 Measurement of the forward-backward asymmetry in the $B \rightarrow K^{(*)} \mu^+ \mu^-$ decay and first observation of the $B^0_s \rightarrow \phi \mu^+ \mu^-$ decay

632 Measurement of the $t\bar{t}$ production cross section with an in situ calibration of $b$-jet identification efficiency

633 Invariant mass distribution of jet pairs produced in association with a $W$ boson in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV

634 Measurement of direct $CP$ violating asymmetries in charmless decays of strange bottom mesons and bottom baryons

635 Search for production of heavy particles decaying to top quarks and invisible particles in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV

636 Top quark mass measurement using the template method at CDF

637 Evidence for a mass dependent forward-backward asymmetry in top quark pair production

638 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

639 Measurement of event shapes in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV

640 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

641 Search for a very light Higgs boson in top-quark decays from $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV

642 Measurement of the properties of $\Lambda_b (2595), \Lambda_{c'} (2625), \Sigma_c (2455)$, and $\Sigma_c (2520)$ baryons
643 First search for multijet resonances in $\sqrt{s} = 1.96$ TeV $p\bar{p}$ collisions

644 Search for new dielectron resonances and Randall-Sundrum gravitons at the Collider Detector at Fermilab

645 Limits on trilinear gauge couplings in $Z\gamma$ events from $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV

646 Measurement of the top pair production cross section in the lepton+jets channel using a jet flavor discriminant

647 Measurement of the $tt$ production cross section in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV using events with large missing transverse energy and jets

648 Improved determination of the sample composition of dimuon events produced in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV

649 Observation of the $\Xi_b^0$ baryon

650 Evidence for $tt\gamma$ production and measurement of $\sigma_{tt}/\sigma_{t\bar{t}}$

651 Measurement of of the cross section for prompt isolated diphoton production in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV

652 Measurement of of the cross section for prompt isolated diphoton production in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV

653 Search for the Higgs boson in the all-hadronic final state using the CDF-II detector

654 Measurement of branching ratio and $B^0_s$ lifetime in the decay $B^0_s \rightarrow J/\psi f^0(980)$ at CDF

655 Search for resonant production of $t\bar{t}$ decaying to jets in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV

656 Measurement of the top-quark mass in the lepton+jets channel using a matrix element technique with the CDF II detector

657 Search for new physics in high $p_T$ like-sign dilepton events at CDF II

658 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

659 Search for $B_s \rightarrow \mu^+\mu^-$ and $B \rightarrow \mu^+\mu^-$ decays with CDF II

660 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

661 Observation of the baryonic flavor-changing neutral current decay $\Lambda_b^0 \rightarrow \Lambda\mu^+\mu^-$
662 Improved determination of the sample composition of dimuon events produced in $p\bar{p}$ collisions at $\sqrt{s} =$ 1.96 TeV

663 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

664 Top-quark mass measurement using events with missing transverse energy and jets at CDF

665 Search for a heavy toplike quark in $p\bar{p}$ collisions at $\sqrt{s} =$ 1.96 TeV

666 Measurement of polarization and search for CP violation in $B^- \rightarrow D(\rightarrow K^+\pi^-)X$ decays in $p\bar{p}$ collisions at $\sqrt{s} =$ 1.96 TeV

667 Search for a Higgs boson in the diphoton final state in $p\bar{p}$ collisions at $\sqrt{s} =$ 1.96 TeV

668 Search for new phenomena in events with two $Z$ bosons and missing transverse momentum in ppbar at $\sqrt{s} =$ 1.96 TeV

669 Search for high-mass resonances decaying into $ZZ$ in $p\bar{p}$ collisions at $\sqrt{s} =$ 1.96 TeV
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

An additional study of multi-muon events produced in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV

Measurements of the Angular Distributions of Muons from $\Upsilon$ decays in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV

Precise measurement of the $W$-boson mass with the CDF II detector

Combination of CDF and D0 measurements of the $W$ boson helicity in top quark decays

Measurement of the CP-violating phase $\beta_{sJ/\psi}$ in $B_s^0 \rightarrow J/\psi \phi$ decays with the CDF II detector

Search for a low-mass standard model Higgs boson in the $\tau\tau$ decay channel in $p\bar{p}$ collisions

Search for anomalous production of multiple leptons in association with $W$ and $Z$ bosons at CDF

Study of substructure of high transverse momentum jets produced in proton-antiproton collisions at $\sqrt{s} = 1.96$ TeV

Measurement of $B_s^0 \rightarrow D^{(*)}_s D^{(*)}_s$ branching ratios.

Measurement of the masses and widths of the bottom baryons $\Sigma^0_b$ and $\Sigma^{*0}_b$

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

Evidence for the charmed annihilations decay mode $B_s^0 \rightarrow \pi^+\pi^-$

Search for dark matter in events with one jet and missing transverse energy in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV

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

Measurement of the top quark mass in the all-hadronic mode at CDF

Production of $\Lambda^0, \bar{\Lambda}^0, \Xi^\pm, \Omega^\pm$ hyperons in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV

Measurement of $CP$-violation asymmetries in $D^0 \rightarrow K^0_s \pi^+\pi^-$

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

Diffractive dijet production in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
Search for the Standard Model Higgs boson produced in association with a $W^\pm$ boson with 7.5 fb$^{-1}$ integrated luminosity at CDF


Measurement of the $WZ$ cross section and triple gauge couplings in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV


Measurement of the difference in CP-violating asymmetries in $D^0 \rightarrow K^+K^-$ and $D^0 \rightarrow \pi^+\pi^-$ decays at CDF


Combined search for the Standard Model Higgs boson decaying to a $b\bar{b}$ pair using the full CDF data set


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


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


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


Search for the standard model Higgs boson produced in association with a $Z$ boson in 7.9 fb$^{-1}$ of $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV using the CDF II detector


Transverse momentum cross section of $e^+e^-$ pairs in the $Z$-boson region from $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV


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

Precision top-quark mass measurement at CDF


Search for a Higgs boson in the diphoton final state using the full CDF data set from $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV


Measurement of the bottom-strange meson mixing phase in the full CDF II data set


Novel inclusive search for the Higgs boson in the four-lepton final state at CDF


(Publisher’s note) Phys. Rev. D 86 (2012) 099902

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

Search for the Standard Model Higgs boson produced in association with top quarks using the full CDF data set


Measurements of the top-quark mass and the $t\bar{t}$ cross section in the hadronic $\tau + 3$ jets decay channel at $\sqrt{s} = 1.96$ TeV


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
Search for heavy vector boson decaying into two gluons in \( p\bar{p} \) collisions at \( \sqrt{s} = 1.96 \) TeV

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

Measurement of the \( B_c^- \) meson lifetime in the decay \( B_c^- \rightarrow J/\psi\pi^- \)

Observation of the production of a \( W \)-boson in association with a single charm quark

Measurement of \( W \)-boson polarization in top-quark decay using the full CDF Run II data set

Updated search for the standard model Higgs boson in events with jets and missing transverse energy using the full CDF data set

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

Measurement of the mass difference between top and antitop quarks

Search for a two-Higgs-boson doublet using a simplified model in \( p\bar{p} \) collisions at \( \sqrt{s} = 1.96 \) TeV

Search for resonant top-antitop production in the lepton plus jets decay mode using the full CDF data set

Search for \( B_s^0 \rightarrow \mu^+\mu^- \) and \( B^0 \rightarrow \mu^+\mu^- \) decays with the full CDF Run II data set

Measurement of the cross section for prompt isolated diphoton production using the full CDF Run II data sample

Search for Supersymmetry with like-sign lepton-tau events at CDF

Measurement of the top quark forward-backward production asymmetry and its dependence on event kinematic properties

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

\( W \)-boson polarization measurement in the image dilepton channel using the CDF II detector

Top-quark mass measurement in events with jets and missing transverse energy using the full CDF data set

Search for pair production of strongly interacting particles decaying to pairs of jets in \( pp \) collisions collisions at \( \sqrt{s} = 1.96 \) TeV \( \sqrt{s} = 1.96 \) TeV

Signature-based search for delayed photons in exclusive photon plus missing transverse energy events from \( pp \) collisions collisions with \( \sqrt{s}=1.96 \) TeV

Exclusion of exotic top-like quarks with -4/3 electric charge using jet-charge tagging in single-lepton \( t\bar{t} \) events at CDF
740 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

741 Searches for the Higgs boson decaying to $W^+W^- \rightarrow \ell^+\nu\ell^-$ barnu with the CDF II detector

742 Combination of searches for the Higgs boson using the full CDF data set

743 Higgs boson studies at the Tevatron
T Aaltonen et al., CDF Collaboration and D0 Collaboration, Phys. Rev. D 88 (2013) 052014

744 Combination of CDF and D0 $W$-boson mass measurements
T Aaltonen et al., CDF Collaboration, D0 Collaboration, Phys. Rev. D 88 (2013) 052018

745 Evidence for a bottom baryon resonance $\Lambda^{0*}_b$ in CDF data

746 Search for microscopic black hols in a like-sign dimuon final state using large track multiplicity with the ATLAS detector

747 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 TeV

748 Measurement of the leptonic asymmetry in $t\bar{t}$ events produced in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV

749 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

750 Measurement of the top-quark pair production cross section in events with two leptons and bottom-quark jets using the full CDF data set

751 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

752 Direct measurement of the total decay width of the top quark

753 Observation of $D^0 - \bar{D}^0$ mixing using the CDF II detector

754 Search for a dijet resonance in events with jets and missing transverse energy in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV

755 Production of $K^0_s, K^{*\pm}(892)$ and $\phi^0(1020)$ in minimum bos events and $K^0_s$ and $\Lambda^0$ in jets in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV

756 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

757 Precise measurement of the W-boson mass with the Collider Detector at Fermilab

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758 Indirect measurement of $\sin^2 \theta_W(M_W)$ using $\mu^+\mu^-$ pairs from $\gamma* /Z$ bosons produced in $p\bar{p}$ collisions at a center-of-momentum energy of 1.96 TeV

759 Mass and lifetime measurements of bottom and charm baryons in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV

760 Invariant-mass distribution of jet pairs produced in association with a $W$ boson in $p\bar{p}$ collisions using the full CDF Run II data set

761 Study of top quark production and decays involving a tau lepton at CDF and limits on a charged Higgs boson contribution

762 Measurement of the ZZ production cross section using the full CDF II data set

763 First search for exotic $Z$ boson decays into photons and neutral pions in hadron collisions

764 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

765 Search for Invisible decays of a Higgs Boson Produced in Association with a $Z$ Boson in ATLAS

766 measurement of $R = |(t \rightarrow Wb)/B(t \rightarrow Wq)|$ in top-quark-pair decays using dilepton events and the full CDF Run II data set

767 Search for Invisible decays of a Higgs Boson produced in association with a $Z$ Boson in ATLAS

768 Observation of $s$-channel production of single top quarks at the Tevatron

769 Evidence for $s$-channel single-top-quark production in Events with One Charged Lepton and Two jets at CDF

770 Search for $s$-channel single-top-quark production in events with missing energy plus jets in pp collisions at $\sqrt{s} = 1.96$ TeV

771 Measurement of the Inclusive Leptonic Asymmetry in top-quark Pairs that decay to Two Charged Leptons

772 Study of orbitally excited B mesons and evidence for a new B resonance

773 Study of orbitally excited B mesons and evidence for a new B resonance

ATLAS

774 Charged-particle multiplicities in $pp$ interactions at $\sqrt{s} = 900$ GeV measured with the ATLAS detector at the LHC

775 Readiness of the ATLAS liquid argon calorimeter for LHC collisions
Drift time measurement in the ATLAS liquid argon calorimeter for LHC collisions

The ATLAS inner detector commissioning and calibration

The ATLAS simulation infrastructure

Performance of the ATLAS detector using first collision data
G Aad et al., JHEP 9 (2010) 1-66

Commissioning of the ATLAS muon spectrometer using cosmic rays

Readiness of the ATLAS tile calorimeter for LHC collisions

Search for new particles in two-jet final states in 7 TeV proton-proton collisions with the ATLAS detector at the LHC

Observation of a centrality-dependent dijet asymmetry in lead-lead collisions at √sNN = 2.76 TeV with the ATLAS detector at the LHC

Measurement of the W → lν and Z/γ∗ → ll production cross sections in proton-proton collisions at √s = 7 TeV with the ATLAS detector
G Aad et al., JHEP 12 (2010) 060

Search for quark contact interactions in dijet angular distributions in pp collisions at √s = 7 TeV measured with the ATLAS detector

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

Study of jet shapes in inclusive jet production in pp collisions at √s = 7 TeV using the ATLAS detector

Measurement of the inclusive isolated prompt photon cross section in pp collisions at √s = 7 TeV with the ATLAS detector

Measurement of inclusive jet and dijet cross sections in proton-proton collisions at 7 TeV centre-of-mass energy with the ATLAS detector

Studies of the performance of the ATLAS detector using cosmic-ray muons

Search for diphoton events with large missing transverse energy in 7 TeV proton-proton collisions with the ATLAS detector

Search for supersymmetry using final states with one lepton, jets, and missing transverse momentum with the ATLAS detector in 7 TeV pp collisions

Measurement of the production cross section for W-bosons in association with jets in pp collisions at √s = 7 TeV with the ATLAS detector

Search for massive long-lived highly ionising particles with the ATLAS detector at the LHC
795 Measurement of the top quark mass in the lepton+jets channel using the lepton transverse momentum

796 Measurement of underlying event characteristics using charged particles in pp collisions at $\sqrt{s} = 900$ GeV
and 7 TeV with the ATLAS detector

797 Measurement of the top quark-pair production cross section with ATLAS in pp collisions at $\sqrt{s} = 7$ TeV

798 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

799 A search for new physics in dijet mass and angular distributions in pp collisions at $\sqrt{s} = 7$ TeV measured
with the ATLAS detector

800 Measurement of dijet azimuthal decorrelations in pp collisions at $\sqrt{s} = 7$ TeV

801 Search for high mass dilepton resonances in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector

802 Luminosity determination in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector at the LHC

803 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

804 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

805 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

806 Search for stable hadronising squarks and gluinos with the ATLAS experiment at the LHC

807 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

808 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

809 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

810 Search for supersymmetry in proton-proton collisions at $\sqrt{s} = 7$ TeV in final states with missing transverse
momentum and b-jets

811 Measurement of the differential cross-sections of inclusive, prompt and non-prompt $J/\psi$ production in pp
collisions at $\sqrt{s} = 7$ TeV

812 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

P. J. Bussey
813 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

814 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

815 Measurement of the $W^+W^-$ cross section in $\sqrt{s} = 7$ TeV $pp$ collisions with ATLAS

816 Search for heavy long-lived charged particles with the ATLAS detector in $pp$ collisions at $\sqrt{s} = 7$ TeV

817 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

818 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

819 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

820 Properties of jets measured from tracks in $pp$ collisions at centre-of-mass energy $\sqrt{s} = 7$ TeV with the ATLAS detector

821 Measurement of the $\Upsilon(1S)$ production cross-section in $pp$ collisions at $\sqrt{s} = 7$ TeV in ATLAS

822 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

823 Search for neutral MSSM Higgs bosons decaying to $\tau^+\tau^-$ pairs in $pp$ collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector

824 Search for new phenomena with the monojet and missing transverse momentum signature using the ATLAS detector in $\sqrt{s} = 7$ TeV $pp$ collisions

825 Measurement of the transverse momentum distribution of $Z\gamma$ bosons in $pp$ collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector

826 Search for the Standard Model Higgs boson in the decay channel $H \rightarrow ZZ^{(*)} \rightarrow 4\ell$ with the ATLAS detector

827 Search for the Standard Model Higgs boson in the two photon decay channel with the ATLAS detector at the LHC

828 Search for a Standard Model Higgs Boson in the $H \rightarrow ZZ \rightarrow \ell^+\ell^-\nu\bar{\nu}$ decay channel with the ATLAS detector

829 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

830 Measurement of the inclusive isolated prompt photon cross section in $pp$ collisions at $\sqrt{s} = 7$ TeV using 35 pb$^{-1}$ of ATLAS data

P. J. Bussey
831 Measurement of the $Z \rightarrow \tau \tau$ cross section with the ATLAS detector
G Aad et al., Phys. Rev. D 84 (2011) 112006

832 Limits on the production of the standard model Higgs boson in $pp$ collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector

833 Search for diphoton events with large missing transverse energy with 36 pb$^{-1}$ 7 TeV of proton-proton collision data with the ATLAS detector

834 Measurement of multi-jet cross sections in proton-proton collisions at a 7 TeV center-of-mass energy

835 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

836 Inclusive search for same-sign dilepton signatures in $pp$ collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector
G Aad et al., JHEP 10 (2011) 107

837 Search for a heavy neutral particle decaying into an electron and a muon using 1 fb$^{-1}$ of ATLAS data

838 Search for new phenomena in final states with large jet multiplicities and missing transverse momentum using $\sqrt{s} = 7$ TeV $pp$ collisions with the ATLAS detector
G Aad et al, JHEP 11 (2011) 99

839 Search for massive colored scalars in four-jet final states in $\sqrt{s} = 7$ TeV proton-proton collisions with the ATLAS detector

840 Measurement of the inclusive and dijet cross sections of $b$-jets in $pp$ collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector

841 Search for dilepton resonances in $pp$ collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector

842 Measurement of the $W \rightarrow \tau \nu_\tau$ cross section in $pp$ collisions at $\sqrt{s} = 7$ TeV with the ATLAS experiment

843 Measurement of the cross section for $b$-jets produced in association with a $Z$ boson at $\sqrt{s} = 7$ TeV with the ATLAS detector

844 Search for a heavy Standard Model Higgs boson in the channel $H \rightarrow ZZ \rightarrow \ell^+\ell^- q\bar{q}$ using the ATLAS detector

845 $K^0_s$ and $\Lambda$ production in $pp$ interactions at $\sqrt{s} = 0.9$ and 7 TeV measured with the ATLAS detector at the LHC

846 Measurement of the pseudorapidity and transverse momentum dependence of the elliptic flow of charged particles in lead-lead collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector

847 Measurement of the cross section for the production of a $W$ boson in association with $b$-jets in $pp$ collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector

848 Measurements of the electron and muon inclusive cross-sections in $pp$ collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector

P. J. Bussey
Measurement of the top quark pair production cross section in $pp$ collisions at $\sqrt{s} = 7$ TeV in dilepton final states with ATLAS

Search for displaced vertices arising from decays of new heavy particles in 7 TeV $pp$ collisions at ATLAS

Performance of missing transverse momentum reconstruction in $pp$ collisions at $\sqrt{s} = 7$ TeV with ATLAS

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Measurement of the isolated diphoton cross section in $pp$ collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector

Measurement of the transverse momentum distribution of $W$ bosons in $pp$ collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector

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

Measurement of the inclusive $W^\pm$ and $Z\gamma^*$ cross sections in the $e$ and $\mu$ decay channels in $pp$ collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector
G Aad et al., Phys. Rev. D to appear

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

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

Search for the Higgs boson in the $H \rightarrow WW^{(*)} \rightarrow \ell^+\ell^-\nu\bar{\nu}$ decay channel in $pp$ collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector

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

A study of the material in the ATLAS inner detector using secondary hadronic interactions
G Aad et al., JINST 7 (2012) P01013

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

Search for anomalous production of prompt like-sign muon pairs and constraints on physics beyond the standard model with the ATLAS detector

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

Measurement of the production cross section for $Z/\gamma^*$ in association with jets in $pp$ collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector
866 Searches for supersymmetry with the ATLAS detector using final states with two leptons and missing transverse momentum in $\sqrt{s} = 7$ TeV pp collisions

867 Search for first generation scalar leptoquarks in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector

868 Search for strong gravity signatures in same-sign dimuon final states using the ATLAS detector at the LHC

869 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

870 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

871 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 of pp collision data at $\sqrt{s} = 7$ TeV with the ATLAS detector at the LHC

872 Measurement of $D^{\pm}$ meson production in jets from pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector

873 Electron performance measurements with the ATLAS detector using the 2010 LHC proton-proton collision data

874 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

875 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

876 Rapidity Gap Cross Sections measured with the ATLAS detector in pp collisions at $\sqrt{s} = 7$ TeV

877 Search for diphoton events with large missing transverse momentum in 1 fb$^{-1}$ of 7 TeV proton-proton collision data with the ATLAS detector

878 Search for extra dimensions using diphoton events in 7 TeV proton-proton collisions with the ATLAS detector

879 Observation of a new $\chi_b$ state in radiative transitions to $\chi(1S)$ and $\chi(2S)$ at ATLAS

880 Search for excited leptons in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector

881 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

882 Search for decays of stopped, long-lived particles from 7 TeV pp collisions with the ATLAS detector

P. J. Bussey
883 Search for anomaly-mediated supersymmetry breaking with the ATLAS detector based on a disappearing-track signature in $pp$ collisions at $\sqrt{s} = 7$ TeV

884 Measurement of the top quark pair production cross-section with ATLAS in the single lepton channel

885 Measurement of the inclusive $W^\pm$ and $Z/\gamma^*$ cross sections in the $e$ and $\mu$ decay channels in $pp$ collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector

886 Study of jets produced in association with a $W$ boson in $pp$ collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector

887 Search for scalar bottom quark pair production with the ATLAS detector in $pp$ collisions at $\sqrt{s} = 7$ TeV

888 Search for heavy vector-like quarks coupling to light quarks in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector

889 Search for contact interactions in dilepton events from $pp$ collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector

890 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

891 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

892 Observation of spin correlation in $t\bar{t}$ events from $pp$ collisions at $\sqrt{s} = 7$ TeV Using the ATLAS detector

893 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

894 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

895 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

896 Measurement of the polarisation of $W$ bosons produced with large transverse momentum in $pp$ collisions at $\sqrt{s} = 7$ TeV with the ATLAS experiment

897 Measurement of the $WW$ cross section in $\sqrt{s} = 7$ TeV $pp$ collisions with the ATLAS detector and limits on anomalous gauge couplings

898 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

899 Search for FCNC single top-quark production at $\sqrt{s} = 7$ TeV with the ATLAS detector

900 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

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901 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

902 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

903 Search for supersymmetry in events with three leptons and missing transverse momentum in $\sqrt{s} = 7$ pp collisions with the ATLAS Detector

904 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

905 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

906 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

907 Measurement of the $W$ boson polarization in top quark decays with the ATLAS detector
G Aad et al., JHEP 6 (2012) 88

908 Forward-backward correlations and charged-particle azimuthal distributions in $pp$ interactions using ATd
G Aad et al., JHEP 7 (2012) 19

909 Measurement of the charge asymmetry in top quark pair production in $pp$ collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector

910 Search for lepton flavour violation in the $e\mu$ continuum with the ATLAS detector in $\sqrt{s} = 7$ TeV $pp$ collisions at the LHC

911 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

912 Measurement of the top quark mass with the template method in the $t\bar{t} \rightarrow$lepton+jets channel using ATLAS data

913 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

914 Measurement of $\tau$ polarization in $W \rightarrow \tau\nu$ decays with the ATLAS detector in $pp$ collisions at $\sqrt{s} = 7$ TeV

915 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

916 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

917 Search for the decay $B^0_s \rightarrow \mu^+\mu^-$ with the ATLAS detector

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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

Search for supersymmetry with jets, missing transverse momentum and at least one hadronically decaying \( \tau \) lepton in proton-proton collisions at \( \sqrt{s} = 7 \) TeV with the ATLAS detector

Search for pair-produced heavy quarks decaying to \( Wq \) in the two-lepton channel at \( \sqrt{s} = 7 \) TeV with the ATLAS detector

Measurement of the azimuthal anisotropy for charged particle production in \( \sqrt{s_{NN}} = 2.76 \) TeV lead-lead collisions with the ATLAS detector

Search for pair production of a new \( b' \) quark that decays into a \( Z \) boson and a bottom quark with the ATLAS detector

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

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

Search for \( tb \) resonances in proton-proton collisions at \( \sqrt{s} = 7 \) TeV with the ATLAS detector

A search for \( tl \) resonances with the ATLAS detector in 2.05 fb\(^{-1}\) of proton-proton collisions at \( \sqrt{s} = 7 \) TeV

Observation of a new particle in the search for the Standard Model Higgs boson with the ATLAS detector at the LHC

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936 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

937 Search for second generation scalar leptoquarks in $pp$ collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector.

938 Search for fermiophobic Higgs boson in the diphoton decay channel with the ATLAS detector

939 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

940 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

941 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

942 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

943 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 $\tau$ lepton

944 Measurement of the $t$-channel single top quark production cross section in $pp$ collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector

945 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

946 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

947 Measurement of $W^\pm Z$ production in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector

948 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

949 ATLAS measurements on the properties of jets for boosted particle searches

950 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

951 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

952 Search for diphoton events with large missing transverse momentum in 7 TeV proton-proton collision data with the ATLAS detector

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953 Further search for supersymmetry at $\sqrt{s} = 7$ TeV in final states with jets, missing transverse momentum, and isolated leptons with the ATLAS detector

954 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

955 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

956 Search for resonant top quark plus jet production in $t\bar{t}$ + jets events with the ATLAS detector in $pp$ collisions at $\sqrt{s} = 7$ TeV

957 Measurement of event shapes at large momentum transfer with the ATLAS detector in $pp$ collisions at $\sqrt{s} = 7$ TeV

958 Search for supersymmetry in events with large missing transverse momentum, jets, and at least one $\tau$ lepton in 7 TeV proton-proton collision data with the ATLAS detector

959 Search for light scalar top-quark pair production in final states with two leptons with the ATLAS detector in $\sqrt{s} = 7$ GeV proton-proton collisions

960 ATLAS search for a heavy gauge boson decaying to a lepton and a neutrino in $pp$ collisions at $\sqrt{s} = 7$ TeV

961 Search for doubly charged Higgs bosons in like-sign dilepton states at $\sqrt{s} = 7$ TeV with the ATLAS detector

962 Measurement 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

963 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

964 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

965 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 $\phi_s$ by ATLAS
G Aad et al., JHEP 12 (2012) 72

966 Search for magnetic monopoles in $\sqrt{s} = 7$ TeV $pp$ collisions with the ATLAS detector

967 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

968 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

P. J. Bussey
969 Measurement of $W+\bar{W}$- production in $pp$ collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector and limits on anomalous WWZ and WW couplings

970 Measurements of W and Z production in $pp$ collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector at the LHC

971 Search for resonant diboson production in the WW/WZjj decay channels with the ATLAS detector at $\sqrt{s} = 7$ TeV

972 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

973 Search for contact interactions and large extra dimensions in dilepton events from $pp$ collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector

974 Measurement of Z boson production in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector

975 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

976 Measurement of the $A_0^0$ lifetime and mass in the ATLAS experiment

977 Search for new phenomena in events with three charged leptons at $\sqrt{s} = 7$ TeV with the ATLAS detector

978 Measurement of upsilon production in 7 TeV $pp$ collisions at ATLAS

979 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

980 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

981 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

982 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

983 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

984 A search for high-mass resonances decaying to $\tau^+\tau^-$ in $pp$ collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector

985 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
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A search for prompt lepton-jets in $pp$ collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector


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


Measurement of angular correlations in Drell-Yan lepton pairs to probe $Z/\gamma^{*}$ boson transverse momentum at $\sqrt{s} = 7$ TeV with the ATLAS detector


Searches for heavy long-lived sleptons and $R$-hadrons with the ATLAS detector in $pp$ collisions at $\sqrt{s} = 7$ TeV


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

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

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

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

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

Measurement of 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

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

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

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

Measurement of top quark pair relative cross-section with ATLAS in $pp$ collisions at $\sqrt{s} = 7$ TeV


Search for pair-produced massive scalars in four-jet final states with the ATLAS detector in proton-proton collisions at $\sqrt{s} = 7$ TeV


Measurement of of the flavour decomposition of dijet events in $pp$ collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector


P. J. Bussey
1003 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

1004 Jet energy measurement with the ATLAS detector in proton-proton collisions at $\sqrt{s} = 7$ TeV

1005 Jet energy resolution in proton-proton collisions at $\sqrt{s} = 7$ TeV recorded in 2010 with the ATLAS detector

1006 Single hadron response measurement and calorimeter jet energy scale uncertainty with the ATLAS detector at the LHC

1007 Measurement of the $t\bar{t}$ production cross section in the tau+jets channel using the ATLAS detector

1008 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

1009 Multi-channel search for squarks and gluinos in $\sqrt{s} = 7$ TeV pp collisions with the ATLAS detector at the LHC.

1010 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

1011 Search for displaced muon lepton jets from light Higgs boson decay in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector

1012 Search for single $b^*$-quark production with the ATLAS detector at $\sqrt{s} = 7$ TeV

1013 Search for long-lived, multi-charged particles in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector

1014 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

1015 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

1016 Measurement with the ATLAS detector of multiparticle azimuthal correlations in $p + $Pb collisions at $\sqrt{s_{NN}} = 5.02$ GeV

1017 Measurement of of the high-mass Drell-Yan differential cross-section in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector

1018 Measurement of Higgs boson production and couplings in diboson final states with the ATLAS detector at the LHC

1019 Evidence for the spin-0 nature of the Higgs boson using ATLAS data with the ATLAS detector at the LHC

1020 Dynamics of isolated-photon plus jet production in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector

P. J. Bussey
1021 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

1022 Triggers for displaced decays of long-lived neutral particles in /Atd
G Aad et al., JINST 8 (2013) P07015

1023 Search for nonpointing photons in the diphoton and $E_T^{\text{miss}}$ final state in $\sqrt{s} = 7$ TeV proton-proton
collisions using the ATLAS detector

1024 Search for $tt$ resonances in the lepton plus jets final state with ATLAS using 4.7 fb$^{-1}$ of $pp$ collisions at
$\sqrt{s} = 7$ TeV

1025 Measurement of charged-particle event shape variables in inclusive $\sqrt{\langle s \rangle} = 7$ TeV proton-proton interactions
with the ATLAS detector

1026 Search for microscopic black holes in a like-sign dimuon final state using large track multiplicity with the
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1027 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

1028 Search for long-lived stopped $R$-hadrons decaying out of time with $pp$ collisions using the ATLAS detector

1029 Measurement of top quark polarisation in top-antitop events from proton-proton collisions at $\sqrt{s} = 7$ TeV
using the ATLAS detector

1030 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

1031 Measurement of $k_T$ splitting scales in $W \rightarrow \ell \nu$ events at $\sqrt{s} = 7$ TeV with the ATLAS detector

1032 Search for a light charged Higgs boson in the decay channel $H^+ \rightarrow cs$ in $tt$ events using $pp$ collisions at
$\sqrt{s} = 7$ TeV with the ATLAS detector

1033 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 at $\sqrt{s} = 7$ TeV using the ATLAS detector

1034 Improved luminosity determination in $pp$ collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector at the LHC

1035 Measurement of jet shapes in top-quark pair events at $\sqrt{s} = 7$ TeV using the ATLAS detector

1036 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

1037 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

1038 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
1039 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

1040 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

1041 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

1042 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

1043 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

1044 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

1045 Measurement of the mass difference between top and anti-top quarks in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector

1046 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$^{-1}$

1047 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., JINST 9 (2014) P02001

1048 Standalone Vertex Finding in the ATLAS Muon Spectrometer
G Aad et al., JINST 9 (2014) P02001

1049 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

1050 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

1051 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

1052 Measurement of the parity violating asymmetry parameter $\alpha_b$ and the helicity amplitudes for the decay $\Lambda_b^0 \rightarrow J/\psi \Lambda^0$ with the ATLAS detector
1056 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

1057 Measurement of the production cross-section of prompt $J/\psi$ 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

1058 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

1059 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

1060 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

1061 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

1062 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

1063 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

1064 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

1065 Measurement of $\chi^c_1$ and $\chi^c_2$ production with $\sqrt{s} = 7$ pp collisions at ATLAS
G Aad et al., JHEP 07 (2014) 154

1066 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

1067 The monitoring and data quality assessment of the ATLAS liquid argon calorimeter
G Aad et al., JINST 9 (2014) p07024

1068 Operation and Performance of the ATLAS Semiconductor Tracker
G Aad et al., JINST 9 (2014) p08009

1069 A neural network clustering algorithm for the ATLAS silicon pixel detector
G Aad et al., JINST 9 (2014) p09009

1070 The differential production cross section of the phi(1020) meson in $\sqrt{s} = 7$ TeV $pp$ collisions measured with the ATLAS Detector

1071 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

1072 Electron reconstruction and identification efficiency measurements with the ATLAS detector using the 2011 LHC proton-proton collision data

1073 Measurement of the underlying event in jet events from 7 TeV proton-proton collisions with the ATLAS detector

P. J. Bussey
1074 Light-quark and gluon jet discrimination in $pp$ collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector

1075 Muon Reconstruction Efficiency and Momentum Resolution of the ATLAS Experiment in Proton-Proton collisions at $\sqrt{s} = 7$ TeV in 2010

1076 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

1077 Search for quantum black-hole production in high-invariant-mass lepton+jet Final States Using proton-proton collisions at $\sqrt{s} = 8$ TeV and the ATLAS Detector

1078 Search for invisible decays of a Higgs boson produced in association with a $Z$ boson in ATLAS

1079 Measurement of the $4\ell$ Cross Section at the $Z$ Resonance and Determination of the Branching Fraction of $Z \rightarrow 4\ell$ in $pp$ collisions at $\sqrt{s} = 7$ and 8 TeV with ATLAS

1080 Flavour tagged time dependent angular analysis of the $B^0_s \rightarrow J/\psi \phi$ decay and extraction of $\Delta \Gamma_s$ and the weak phase $\phi_s$ in ATLAS

1083 Search for supersymmetry in events with four or more leptons in $s = 8$ TeV $pp$ collisions with the ATLAS detector

1084 Search for the lepton flavor violating decay $Z \rightarrow emu$ in $pp$ collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector

1085 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
1091 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

1092 Measurement of the production cross-section of \( \psi(2S) \to J/\psi(\to \mu^+\mu^-)\pi^+\pi^- \) in \( pp \) collisions at \( \sqrt{s} = 7 \) TeV at ATLAS
G Aad et al., JHEP 09 (2014) 079

1093 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

1094 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

1095 Measurement of the \( Z/\gamma^* \) boson transverse momentum distribution in \( pp \) collisions at \( \sqrt{s} = 7 \) TeV with the ATLAS detector
G Aad et al., JHEP 09 (2014) 145

1096 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

1097 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

1098 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

1099 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

1100 Search for \( WZ \) resonances in the fully leptonic channel using \( pp \) collisions at \( \sqrt{s} = 8 \) TeV with the ATLAS detector

1101 Observation of boosted \( Z \to bb \) production in proton-proton collisions at \( \sqrt{s} = 8 \) TeV and measurement of the production cross-section

1102 Search for the Standard Model Higgs boson decay to \( \mu^+\mu^- \) with the ATLAS detector

1103 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

1104 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

Other particle physics

1105 Double polarisation measurements in meson photoproduction

1106 Measurements of electron drift in fast gases with crossed electric and magnetic fields.

P. J. Bussey
1107 Forward tracking with enhanced electron identification

1108 Radial wire drift chambers with fast gases for tracking at future supercolliders


1110 Photon photon processes at HERA
P J Bussey, proc. workshop Physics at HERA, eds. W Buchmüller and G Ingelman (DESY 1992) 629-635

1111 What HERA tells us about the photon

1112 $\gamma\gamma$ physics

1113 Review: An introduction to quantum field theory, by G Sterman.

1114 Proceedings of the XXVII International Conference on High Energy Physics 1994 (Glasgow),

1115 A comparison of prompt photon processes and two-jet processes in hard photoproduction

1116 Direct and resolved photon measurements in $\gamma\gamma$ interactions

1117 Prompt photon, Drell-Yan and Bethe-Heitler processes in hard photoproduction

1118 Particle Physics

1119 Detector for the Linear Collider: Detector subsystems
S Aïd 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

1120 Detector for the Linear Collider: Baseline design for the Conceptual Design Report

1121 Physics with $e^+e^-$ Linear Colliders

1122 A detector for TESLA

1123 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

1124 Prompt photon production

1125 Photoproduction at low $Q^2$

P. J. Bussey
1126 Open heavy quark and charmonium production at HERA

1127 Inclusive prompt photon production and deeply virtual Compton scattering at HERA

1128 The photon collider at TESLA

1129 Prompt photons in photoproduction at HERA

1130 Heavy Flavour Physics at HERA - a Survey

1131 Jet physics at HERA

1132 Heavy flavour physics at HERA

1133 Virtual Photon Structure at HERA

1134 Inclusive Jets and $\alpha_s$ at HERA

1135 Charm and Beauty production at CDF
P J Bussey, proc. XII International Workshop on Deep Inelastic Scattering, Strbské Pleso (Slovakia, 2004)
eds D. Brunecko et al., (Inst. of Ex. Physics SAS) 751-756

1136 Central exclusive production of longlived gluinos at the LHC
P J Bussey et al., JHEP 11 (2006) 027

1137 Hadronic final states at HERA

1138 QCD Physics with ZEUS and H1 at HERA

1139 Jets in Photoproduction at HERA

1140 Charm physics at CDF (DIS 2008)

1141 Detection of new states using forward proton tagging at the LHC

1142 Physics with forward FP420/FP220 tagging systems

1143 Jets and measurements of $\alpha_s$

1144 The FP420 R&D project: Higgs and new physics with forward protons at the LHC
M Albrow et al., JINST 4 (2009) T10001

1145 Prompt photons in Deep Inelastic Scattering at HERA

P. J. Bussey
1146 Experimental Summary

1147 Studies of bottom baryons at CDF

1148 Isolated photon production in DIS at HERA with ZEUS

1149 Isolated photons in deep inelastic scattering and photoproduction

Foundational Studies and Book Reviews.

1150 Super-luminal communication” in Einstein-Podolsky-Rosen experiments.

1151 On replicating photons

1152 When does the wave-function collapse?

1153 Unexpected hanging” paradox

1154 Wavefunction collapse and the optical theorem

1155 The fate of Schrödinger’s Cat

1156 Communication and non-communication in Einstein-Podolsky-Rosen experiments.

1157 Comments on “When is a quantum measurement?”

1158 The Foundations of Quantum Mechanics

1159 The phonon as a model for elementary particles


1161 Indeterminacy, Time and the Future

1162 Eastern religions and modern physics – a further examination

1163 Modern astronomy and our perception of the universe

1164 Review: R N Barnett, H Mühr 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

1165 Review: P H Meijer (ed.), Views of a Physicist: Selected papers of N G van Kampen

1166 Essay Review: Nature in all its wonders
1167 Review: J Baggott, Beyond Measure: Modern Physics, Philosophy and the Meaning of Quantum Theory  

1168 Essay Review: Pressing to the extremes  

1169 Beyond Materialism: from the Medieval Scholars to Quantum Physics  

1170 Review: T Morii et al., The Physics of the Standard Model and Beyond,  

1171 Physical Infinities: a Substitute for God?  

1172 Review: J L Basdevant et al., The Quantum Mechanics Solver,  

1173 Review: M Munowitz, Knowing: the Nature of Physical Law  

1174 Essay Review: Views over the terrain of physics  

1175 Review: M Sachs, Concepts of Modern Physics,  

1176 Review: T E Phipps, Old Physics for New, a Worldview Alternative to Einstein’s Relativity Theory  

1177 Review: G D Coughlan et al., The Ideas of Particle Physics,  
P J Bussey, Contemp. Phys. 48 (2008) 243-244

1178 Review: I Aitchison, Supersymmetry in Particle Physics, an Elementary Introduction  

1179 Explanations in science and beyond  

1180 Essay Review: Beauty and Physics,  
P J Bussey, Contemp. Phys. 50 (2009) 479-482

1181 Review: J Ellis and D Amati (eds.) Quantum reflections  
P J Bussey, Contemp. Phys. 50 (2009) 663-664

1182 Guest Editorial: The myth of physicalism  

1183 Review: W Thirring: Cosmic Impressions, Traces of God in the Laws of Nature,  
P J Bussey, Science and Christian Belief 21 (2009) 177-8

1184 Review: V Ivancevic and T Ivancevic, Quantum Leap: From Dirac and Feynman, Across the Universe to Human Body and Mind,  

1185 Review: L Hoddeson, A Kolb and C Westfall Fermilab: Physics, The Frontier and Megascience  
P J Bussey, Contemp. Phys. 51 (2010) 190

1186 Review: B Carr (ed.), Universe or Multiverse?  

1187 Quantum quicksands, Essay Review: V J Stenger, Quantum Gods, Creation, Chaos and the Search for Cosmic Consciousness  

1188 Review: D Lincoln The Quantum Frontier: The Large Hadron Collider  
P J Bussey, Contemp. Phys. 51 (2010) 558

P. J. Bussey
Review: B R Desai Quantum Mechanics with Basic Field Theory
P J Bussey, Contemp. Phys. 52 (2011) 80

Review: V Vedral The Universe as Quantum Information
P J Bussey, Contemp. Phys. 52 (2011) 84-85

Review: J Allday Quantum Reality: Theory and Philosophy
P J Bussey, Contemp. Phys. 52 (2011) 87

Review: P Byrne The Many Worlds of Hugh Everett III
P J Bussey, Contemp. Phys. 52 (2011) 96

Review: R N Sen Causality, Measurement Theory and the Differentiable Structure of Space-Time
P J Bussey, Contemp. Phys. 52 (2011) 175

Review: I S Markham Against Atheism: Why Dawkins, Hitchens and Harris are Fundamentally Wrong

Review: I Sample Massive: The Hunt for the God Particle
P J Bussey, Contemp. Phys. 52 (2011) 257-258

Review: A A Martinez Kinematics: The Lost Origins of Einstein’s Relativity
P J Bussey, Contemp. Phys. 52 (2011) 258

Review: A Z Williams, I'm a believer.
New Statesman, 15 April 2011

Essay Review: Physics and Poetry
P J Bussey, Contemp. Phys. 52 (2011) 359-362

Review: I Hargittai Judging Edward Teller
P J Bussey, Contemp. Phys. 52 (2011) 382-383

Review: J D Walecka Advanced Modern Physics: Theoretical Foundations
P J Bussey, Contemp. Phys. 52 (2011) 485-486

Review: A-Z of Ideas. K: Kelvin
Peter Bussey, Third Way, 34/9 (November 2011) 27

Review: H Kragh Higher Speculations, grand theories and Failed Revolutions in Physics and Cosmology
P J Bussey, Contemp. Phys. 52 (2011) 606

Review: J Hauptman Particle Physics Experiments at High Energy Colliders
P J Bussey, Contemp. Phys. 52 (2011) 609-610

Review: G Vignale The Beautiful Invisible: Creativity, Imagination and Theoretical Physics
P J Bussey, Contemp. Phys. 52 (2011) 622-623

Review: J Rosen Lawless Universe: Science and the Hunt for Reality

Review: S A Klioner et al., eds. Relativity in Fundamental Astronomy
P J Bussey, Contemp. Phys. 53 (2012) 76-77

Review: I Brock and T Schönder-Sadenius, eds. Physics at the Terascale

Review: S Stenholm The Quest for Reality: Bohr and Wittgenstein - Two Complementary Views

Review: L Randall Knocking on Heaven’s Door

1212 Contribution to Dangerous Knowledge, Scientists discuss whether there are, or should be, limits to science
P J Bussey, New Statesman, 7 May 2012, p31

1213 Review: L. Boi The Quantum Vacuum: A Scientific and Philosophical Concept, from Electrodynamics to String Theory and the Geometry of the Microscopic World

1214 Review: Jim Al-Khalili Black Holes, Wormholes and Time Machines, 2nd Edn.

1215 Review: J Polkinghorne (ed.) The Trinity and an Entangled World: Relationality in Physical Science and Theology

1216 Review: G Fraser Cosmic Anger: Abdus Salam – the First Muslim Nobel Scientist

1217 Review: A M Rae Quantum Physics, Illusion or Reality?

1218 Review: J D Bekenstein and R Mechoulam, eds. Albert Einstein Memorial Lectures

1219 God as First Cause - a review of the Kalam Argument

1220 Review: T. Maudlin Philosophy of Physics: Space and Time
P J Bussey, Contemp. Phys. 54 (2013) 68-9

1221 Essay Review: The world of many worlds
P J Bussey, Contemp. Phys. 55 (2013) 100-103

1222 Review: A Melissinos Reminiscences: A Journey Through Particle Physics

1223 Review: A. M. Steane Relativity Made Relatively Easy
P J Bussey, Contemp. Phys. 54 (2013) 124

1224 Review: C G Kerry 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

1225 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

1226 Review: R Batterman, ed. The Oxford Handbook of Philosophy of Physics
P J Bussey, Contemp. Phys. 54 (2013) 221-3


1228 Review: C. Dharma-wardana A Physicist’s View of Matter and Mind

1229 Review: E. M. Henley and S. D. Ellis, eds. 100 Years of Subatomic Physics

1230 Review: D. Wilkinson Science, Religion and the Search for Extra-Terrestrial Intelligence

1231 Reply to comment from David Booth
1232 Essay Review, *Complexity is complex*
    P J Bussey, Contemp. Phys. 55 (2014) 252-245

1233 Review: M. Thomson *Modern Particle Physics*