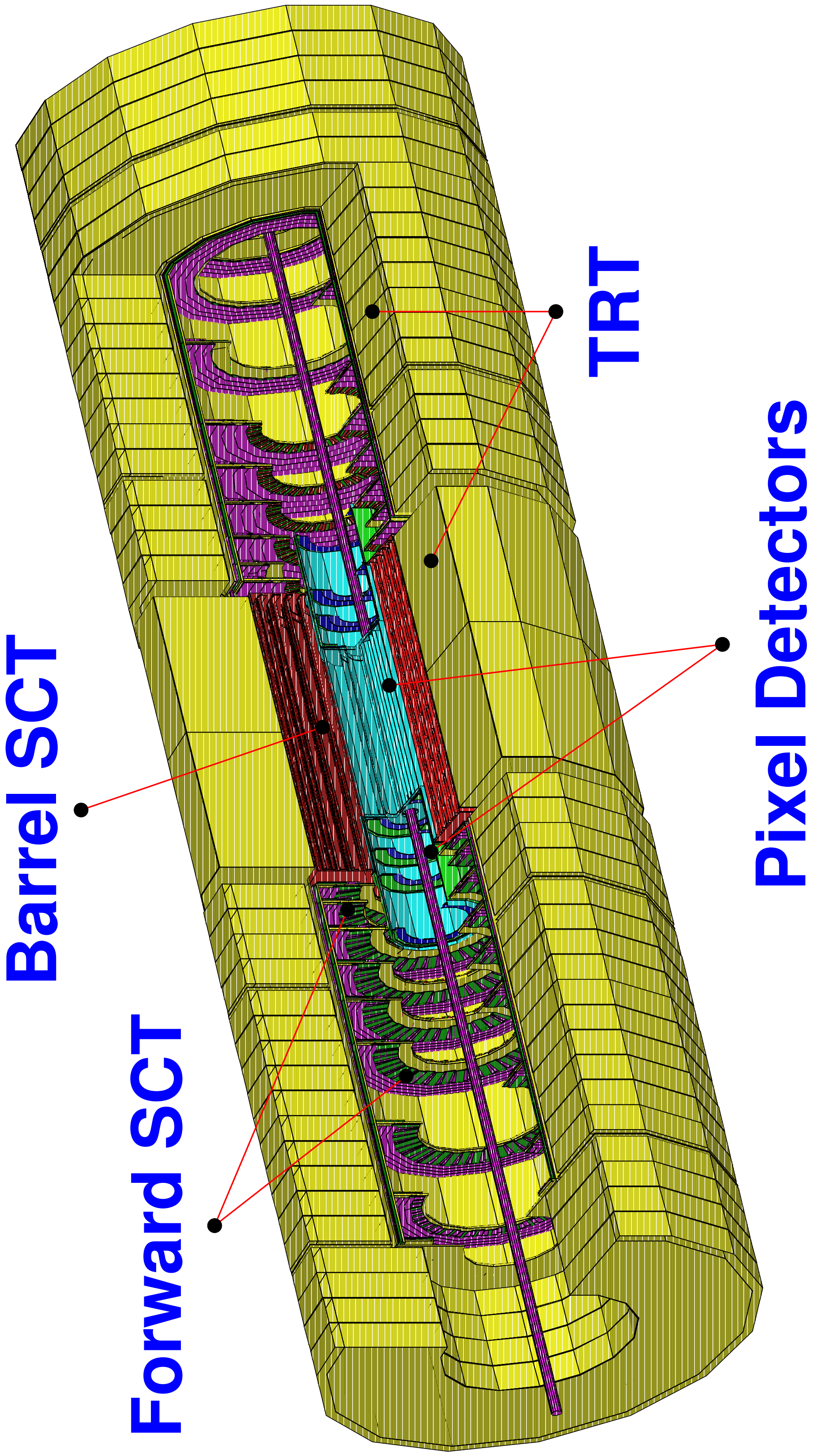

Figure 1-i Three-dimensional view of the ATLAS Inner Detector (from the GEANT program).

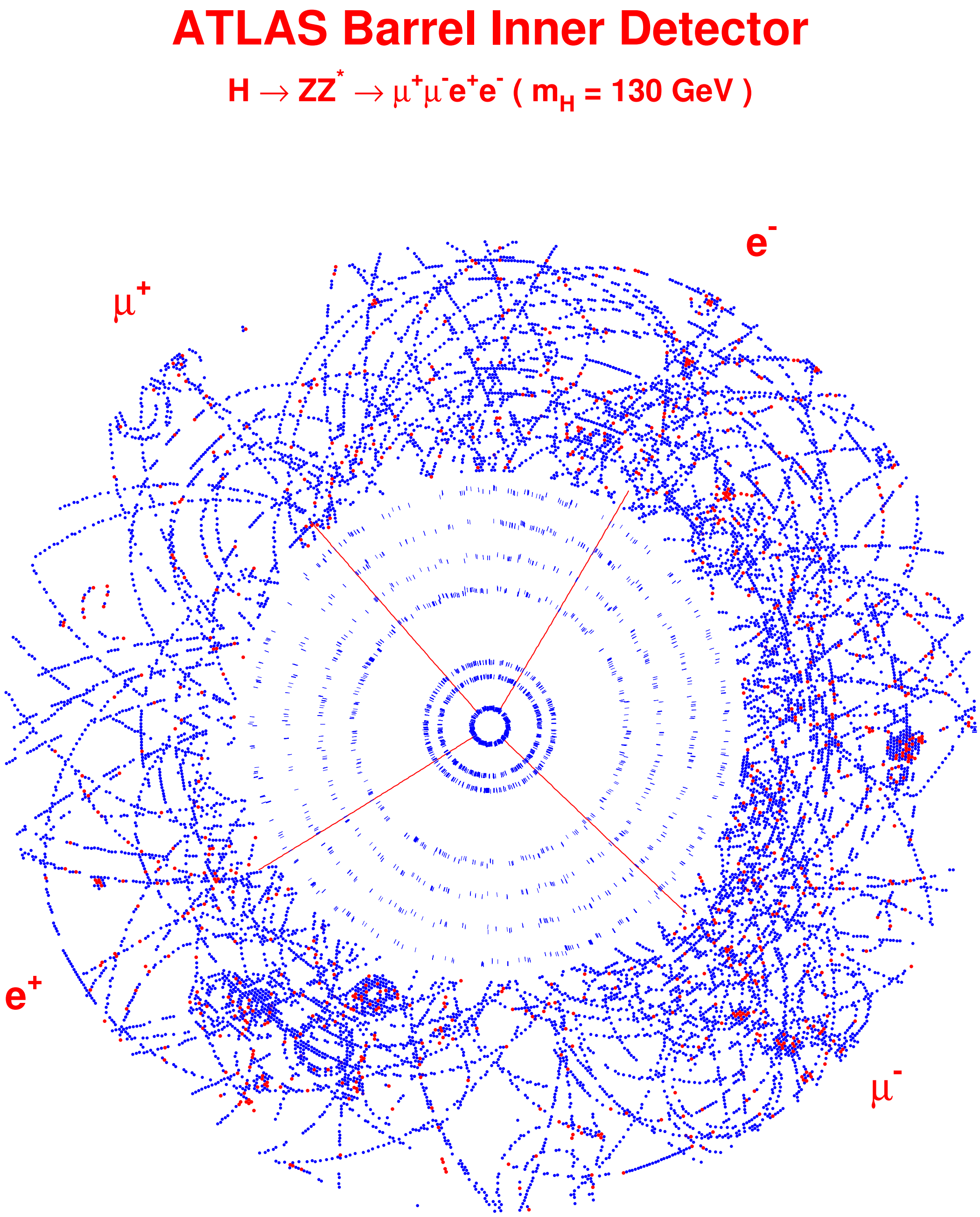

Figure 1-ii Event display of the process $H \rightarrow ZZ^{*} \rightarrow \mu^{+}\mu^{-}e^{+}e^{-}$ in the barrel part of the Inner Detector.

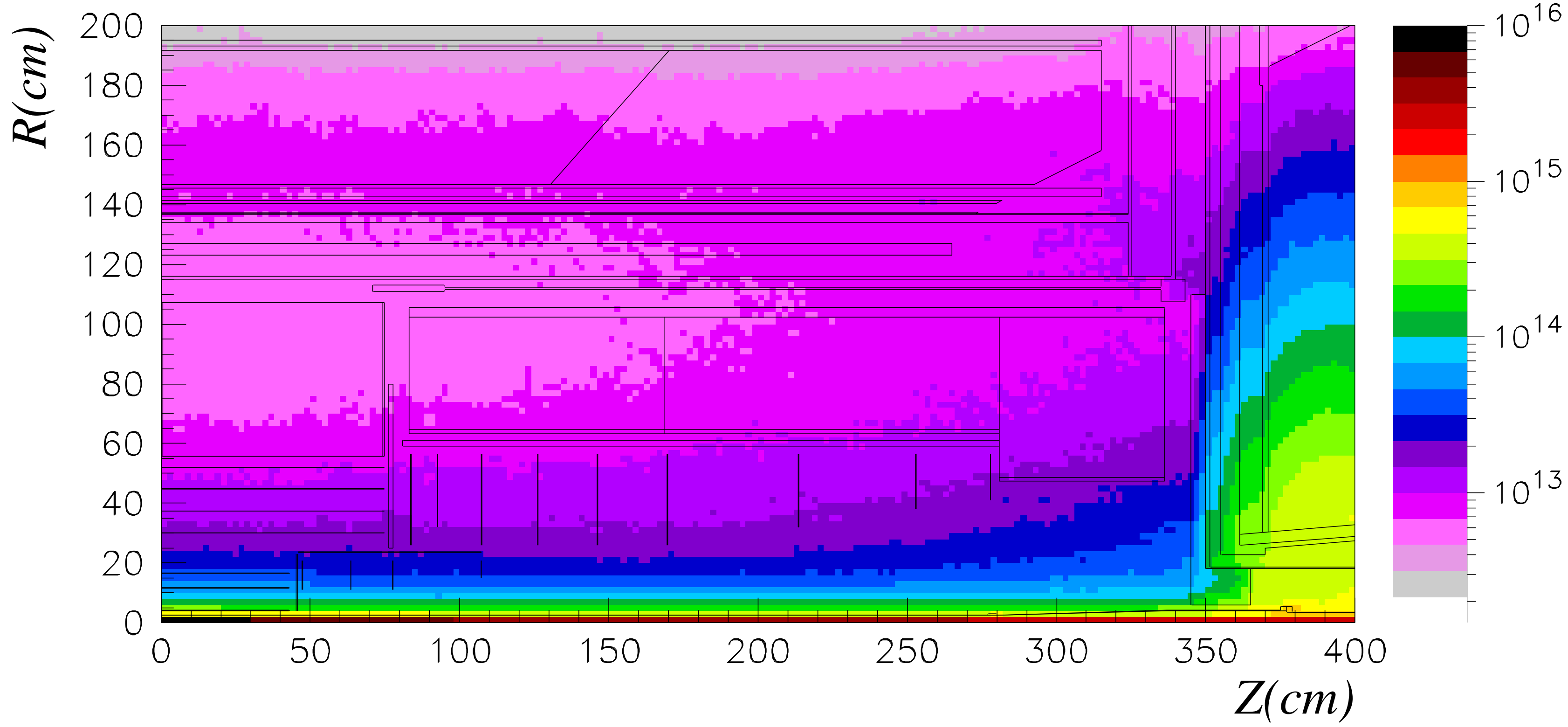

Figure 1-iii Fluence in the ID cavity in units of 1 MeV equivalent neutrons per cm^2 per year.

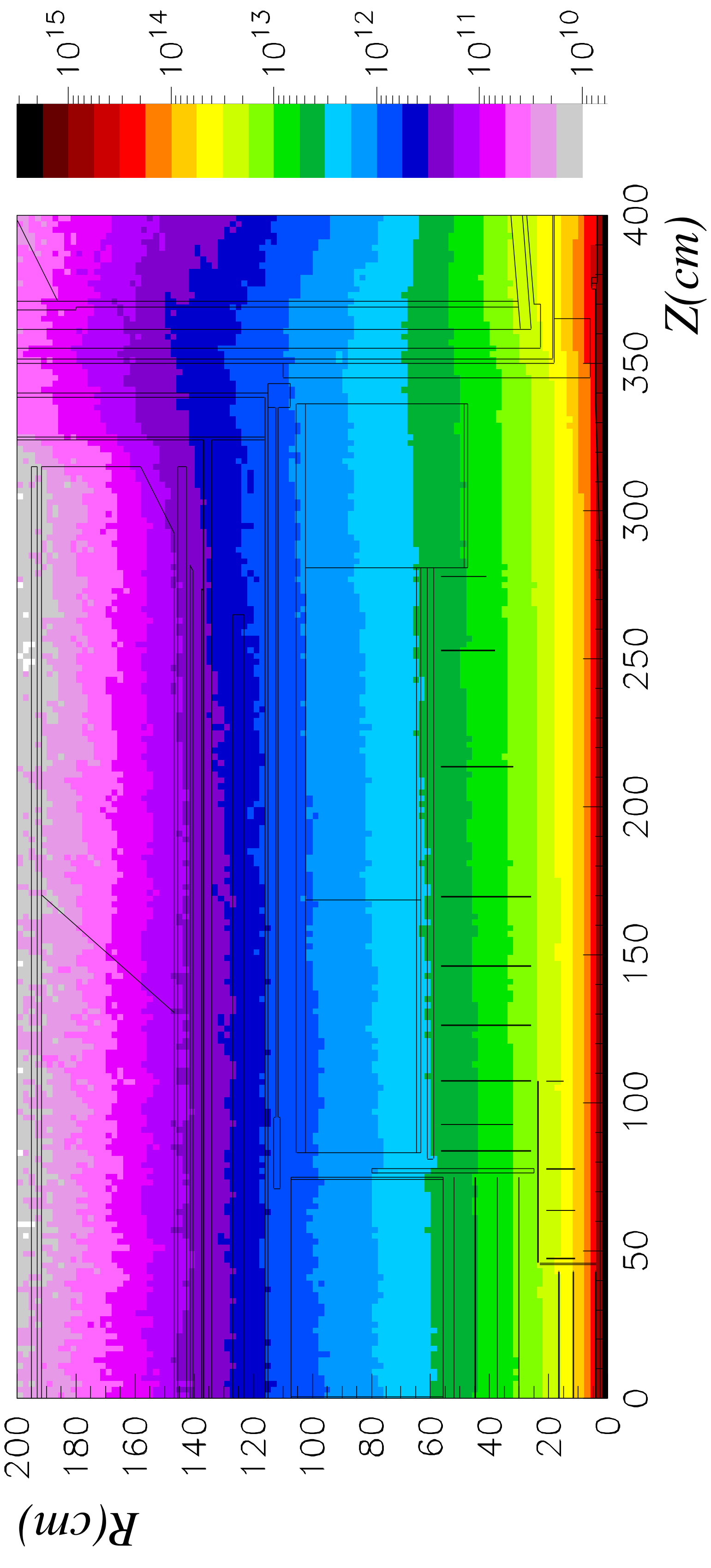

Figure 1-iv Fluence of charged hadrons in the ID cavity per cm^2 per year.

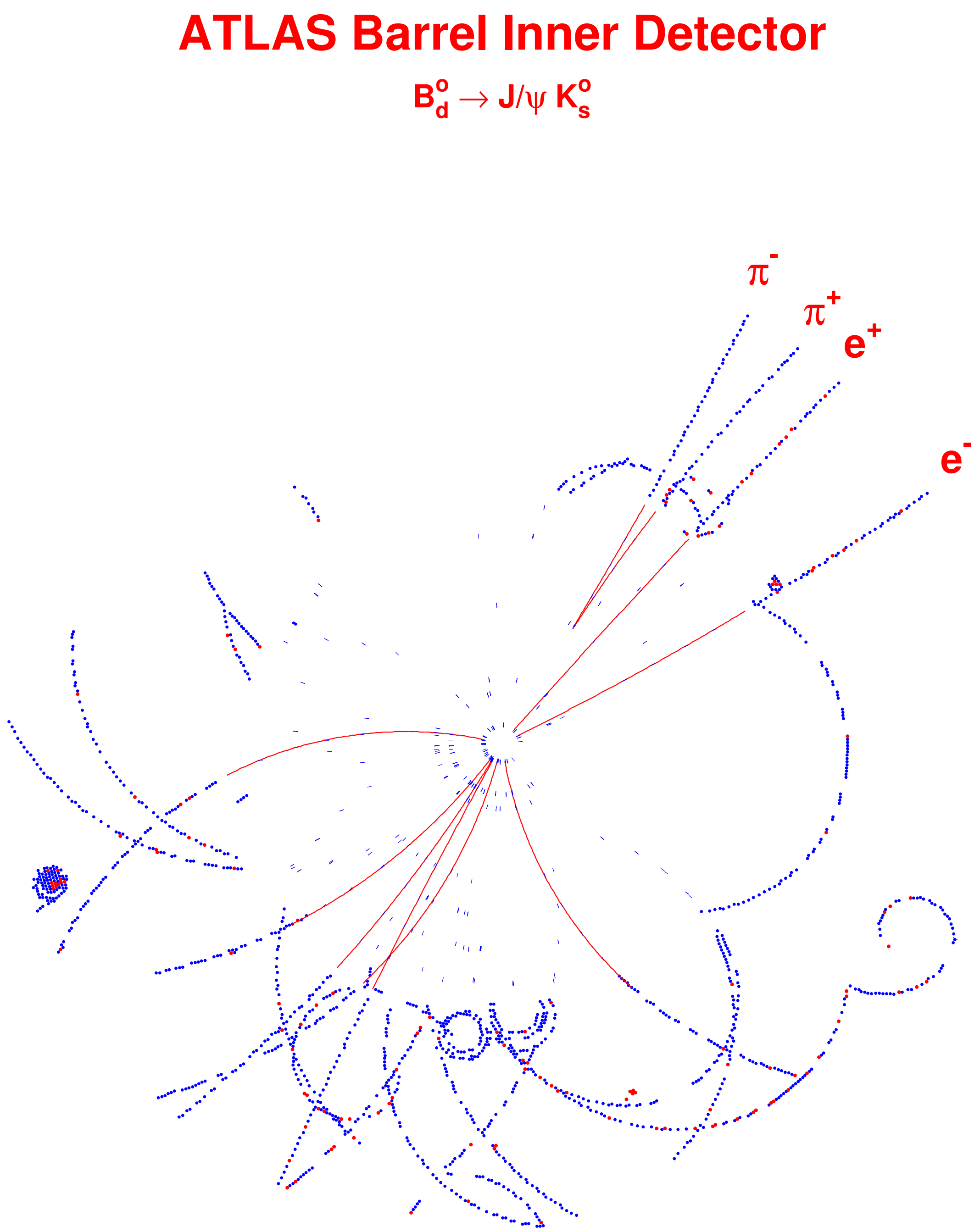

Figure 2-i Display of simulated $B_d^0 \to J/\psi\ K_s^0$ event in the ATLAS barrel Inner Detector, at low luminosity. Precision hits are shown for $0 < \eta < 0.7$; TRT hits are shown in barrel for $z > 0$; high threshold transition radiation hits are shown as red points. Fitted tracks (red), with $p_T > 0.5$ GeV and $0 < \eta < 0.7$, are shown just in the precision tracker so as not to obscure the TRT hits.

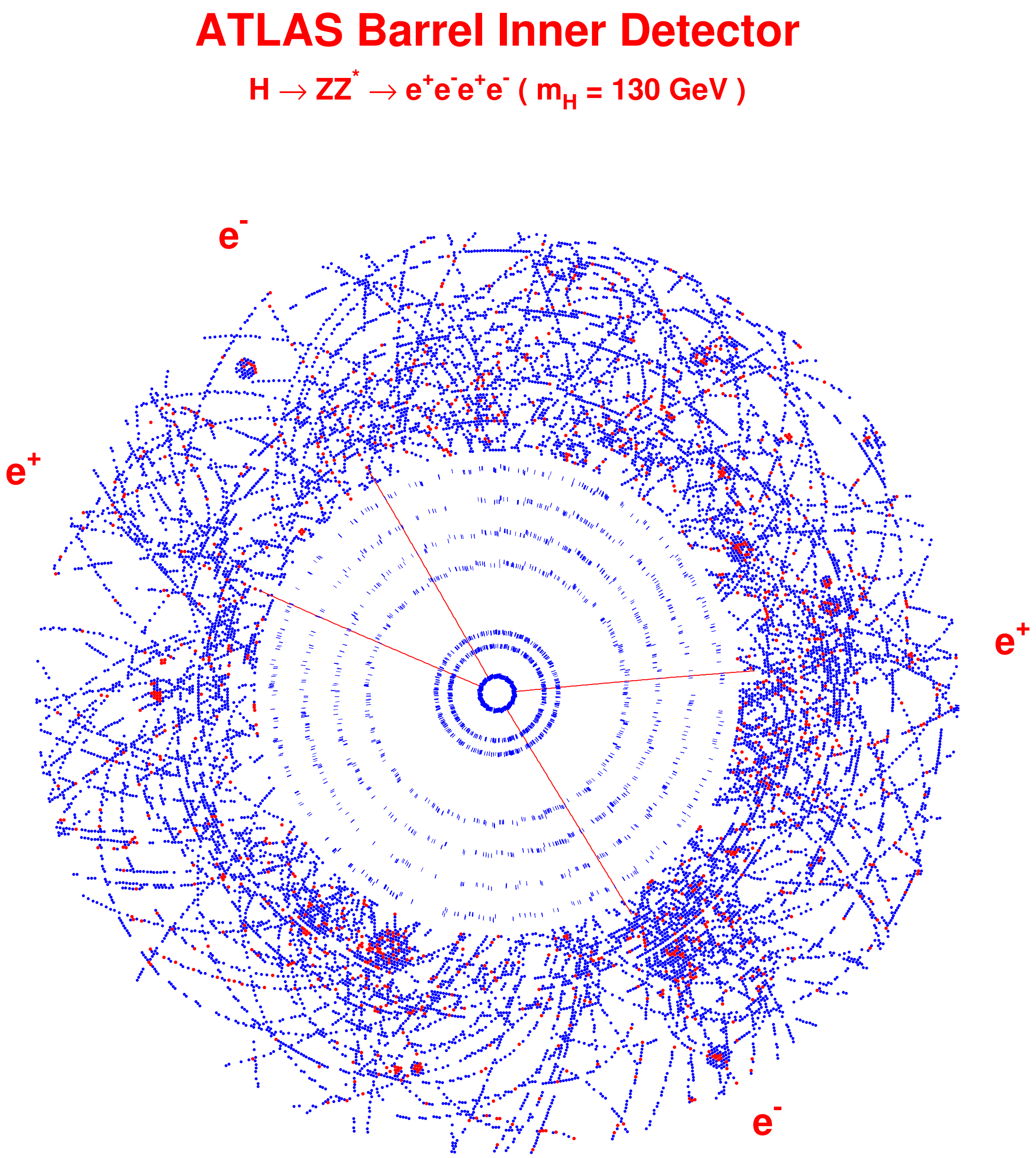

Figure 2-ii Display of simulated $H \rightarrow ZZ^{*} \rightarrow e^{+}e^{-}e^{+}e^{-}$ event (m_H = 130 GeV) in the ATLAS barrel Inner Detector, at the design luminosity of 10^{34} cm^{-2}s^{-1}. Precision hits are shown for $0 < \eta < 0.7$; TRT hits are shown in barrel for $z > 0$; high threshold transition radiation hits are shown as red points. Fitted tracks (red), with $p_T > 5$ GeV and $0 < \eta < 0.7$, are shown just in the precision tracker so as not to obscure the TRT hits.

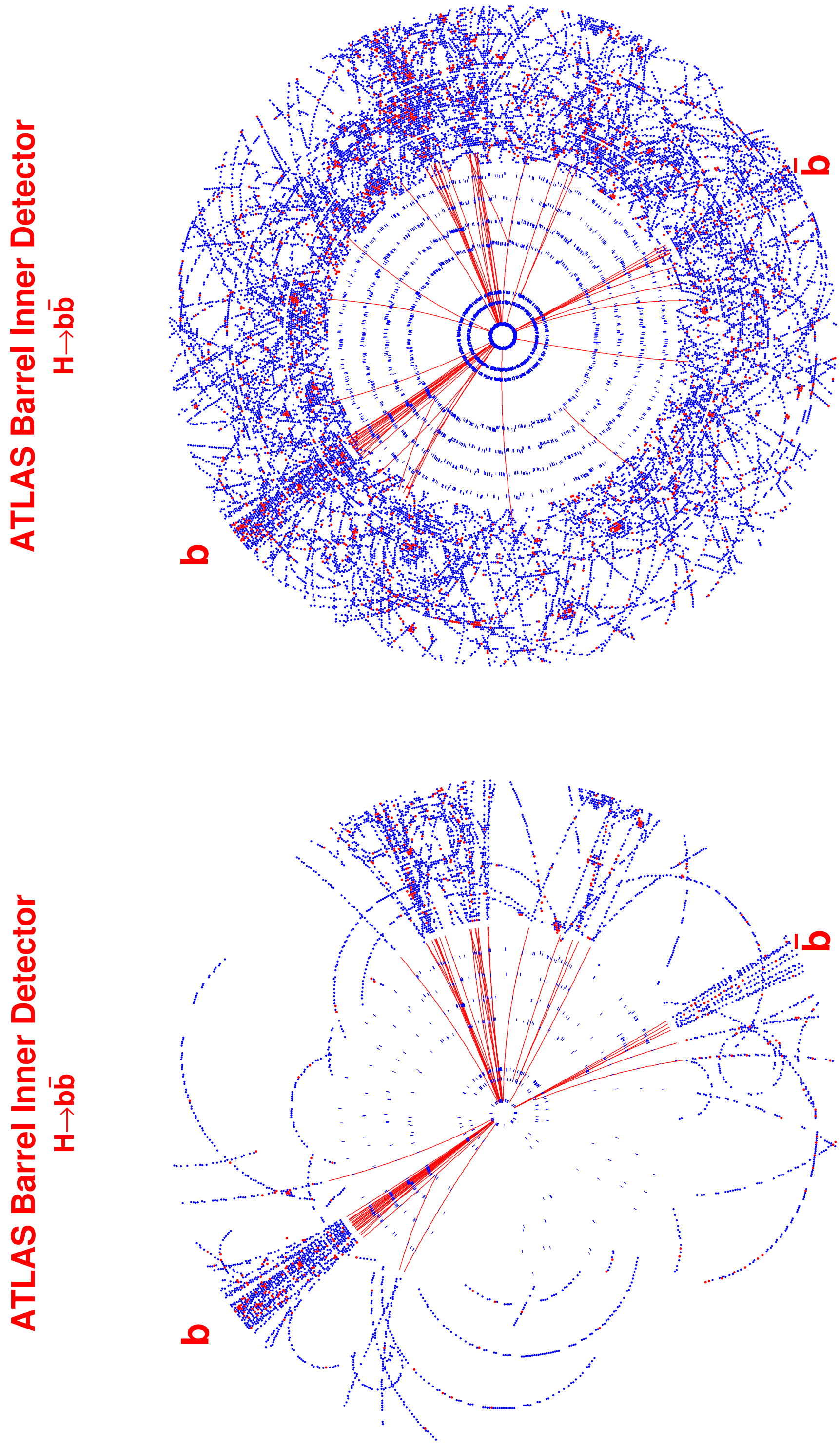

Figure 2-iii Display of simulated $H \rightarrow b\bar{b}$ event (m_H = 400 GeV) in the ATLAS barrel Inner Detector. The lower figure is at low luminosity; the upper figure is at the design luminosity of 10^{34} cm^{-2}s^{-1}. Precision hits are shown for $0 < \eta < 0.7$; TRT hits are shown in barrel for $z > 0$. Fitted tracks (red), with $p_T > 1$ GeV and $0 < \eta < 0.7$, are shown just in the precision tracker so as not to obscure the TRT hits.

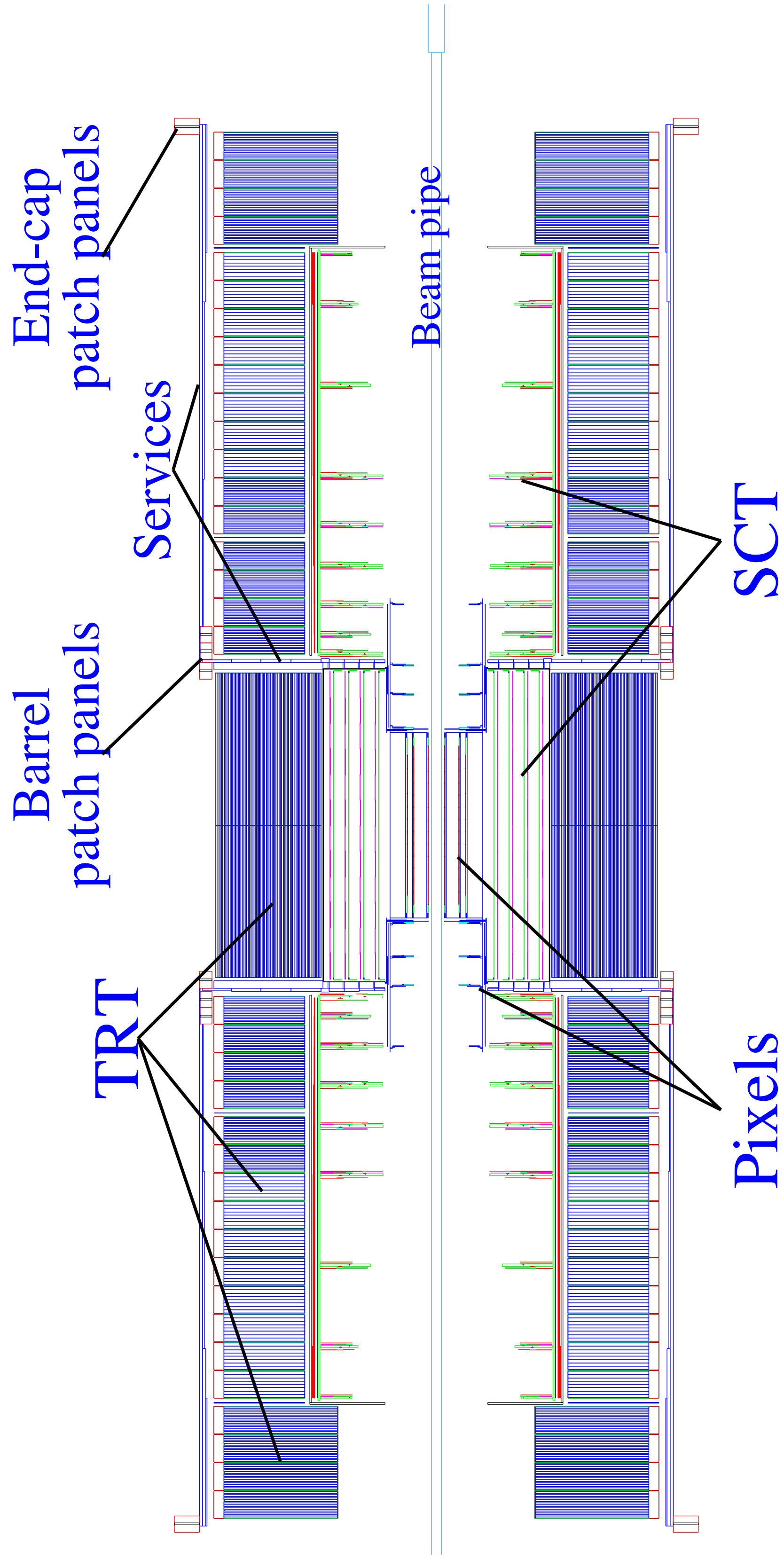

Figure 3-i Longitudinal view of the ATLAS Inner Detector.

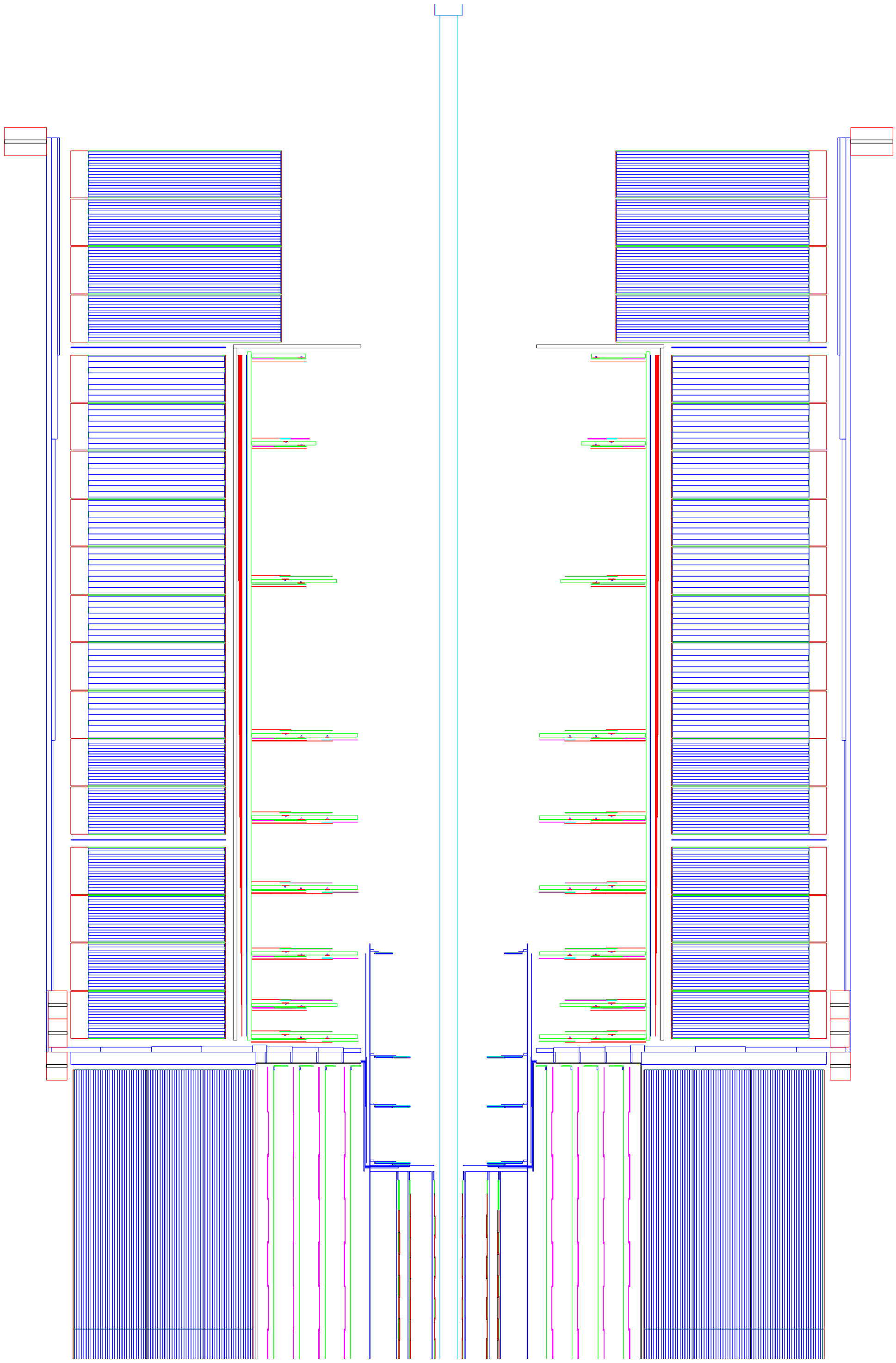

Figure 3-ii Longitudinal view of half of the ATLAS Inner Detector.

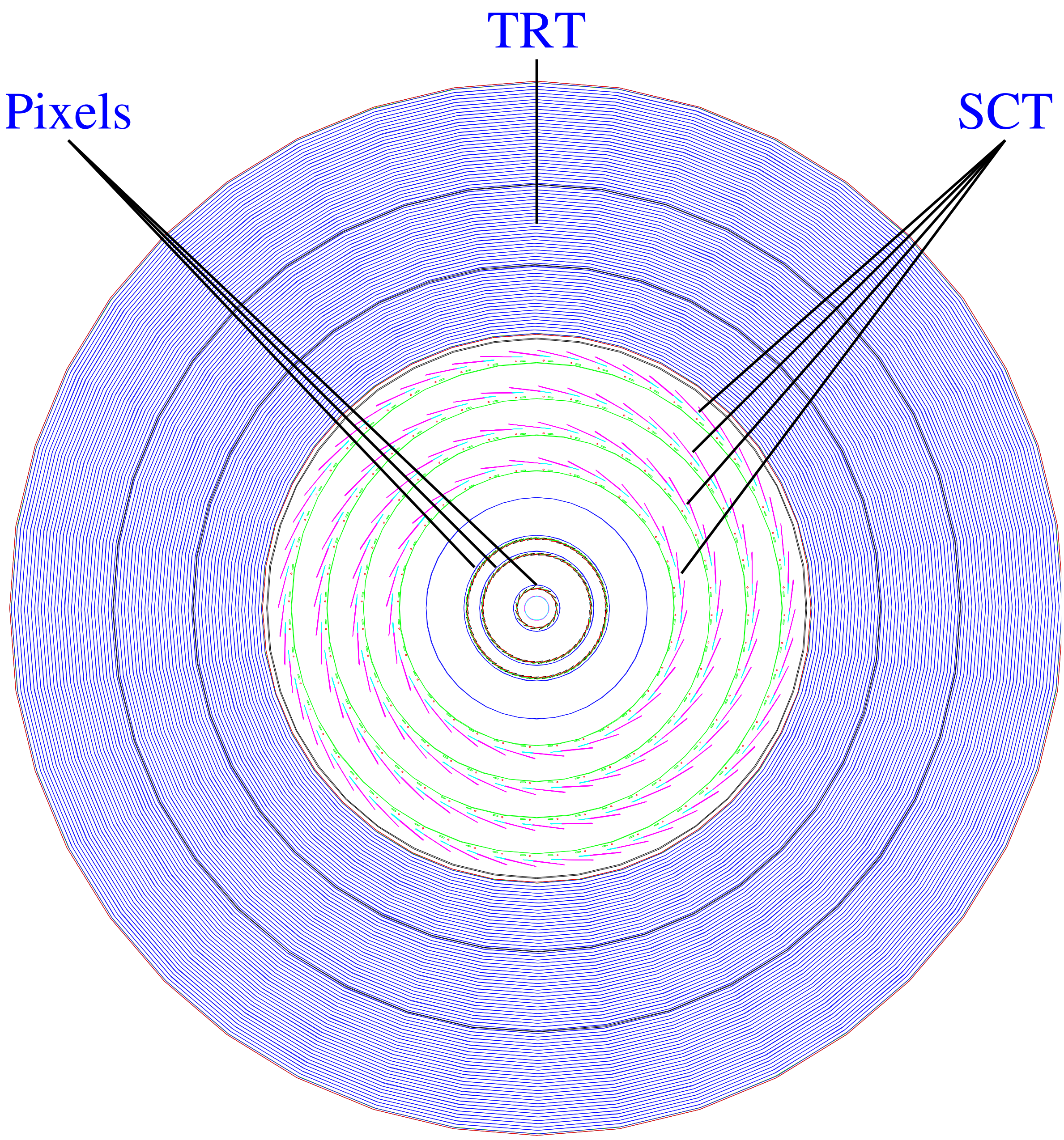

Figure 3-iii Transverse view of ATLAS Inner Detector. The TRT is shown in a simplified form: each blue circle represents approximately a layer of straws.

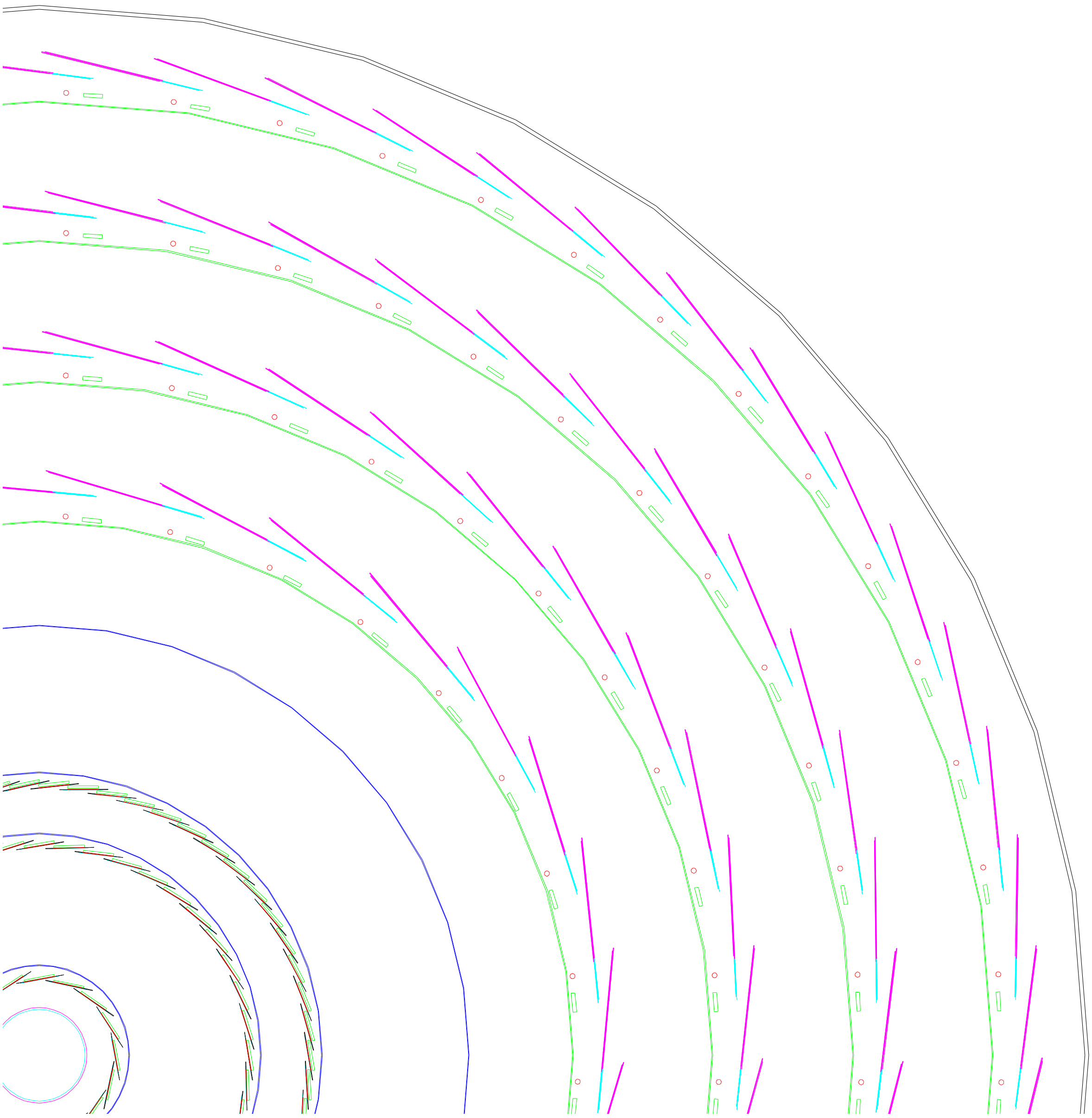

Figure 3-iv Transverse view of a quadrant of the ATLAS Inner Detector (precision layers only). From the centre (lower left-hand corner) are: a) the beam pipe, b) three layers of the barrel pixel tracker: ladder support structure (green), silicon crystal (black) with the active regions (red) and support cylinders (dark blue), c) the overall cylindrical stiffener of the barrel pixel detector (dark blue), d) four layers of the SCT tracker: support (green), lumped power cables and cooling (red circles), active silicon (pink) and electronics boards (pale blue), and e) the SCT's insulating layer (black).