

Search for new phenomena in dijet distributions using pp collision data at centre-of-mass energy 8 TeV with the ATLAS detector

The dijet final state at high transverse momentum probes the highest energies reached in a collider experiment. This corresponds to the largest reach in mass for the production of new particles, but also to resolving the smallest distances. Several phenomena described by models of physics beyond the Standard Model could be seen in the angular and mass distributions of dijets. This poster shows recent results at $\sqrt{s} = 8$ TeV, using data with an integrated luminosity of 20.3 fb^{-1} , collected by the ATLAS detector.

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