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Dark Matter searches with the ATLAS Detector

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As evinced by multiple astrophysical measurements, a large fraction of the matter in the Universe is in the form of a dark, non-baryonic component. If dark matter interacts weakly with the Standard Model it could be produced at the LHC, escaping the detector and thus leaving a signature of large missing transverse momentum. A broad and systematic search program for dark matter production in the LHC collisions recorded by the ATLAS detector is in place: the latest results of these searches will be presented.

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