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Search for dark matter with the ATLAS detector at the LHC

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The LHC is sensitive to dark matter production if additional particles are produced in the process e.g. in initial state radiation. This results in events where the produced object is accompanied by large missing transverse momentum. In this talk the search for dark matter is discussed where a jet, a photon, heavy flavour quarks, gauge bosons or a Higgs boson are produced. If the dark matter is produced via an s-channel resonance the obtained limits can be compared with production rates of dijets. Such interpretations are also presented.

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