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## Searches for dark matter with the ATLAS detector

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Different approaches to finding evidence for dark matter at the LHC are presented. These include searches for events with large missing transverse momentum and a single jet, photon or W/Z boson. Different interpretations of the results are presented, including effective field theories and explicit mediator models. Results from  $\sqrt{s} = 8$  TeV data taking are presented.

### Summary

**Primary author(s)** : ATLAS, Collaboration (CERN)

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**Session Classification** : Beyond the Standard Model

**Track Classification** : Beyond the Standard Model