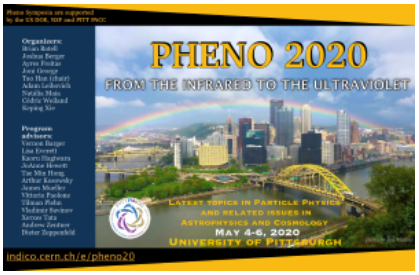

Contribution ID: **915** Type: **Parallel Talk**

Dark Matter searches with the ATLAS Detector

Monday 4 May 2020 14:15 (15 minutes)

The presence of a non-baryonic dark matter component in the Universe is inferred from the observation of its gravitational interaction. If dark matter interacts weakly with the Standard Model it would be produced at the LHC, escaping the detector and leaving a large missing transverse momentum as their signature. The ATLAS detector has developed a broad programme to directly search for DM. The results of recent searches on 13 TeV pp data, their interplay and interpretation will be presented.

Summary

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Session Classification: DM I

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