



Contribution ID: 248

Type: **Parallel talk**

Searches for high-mass resonances decaying into leptonic final states using the ATLAS detector

Thursday 11 July 2019 15:30 (15 minutes)

Many theories beyond the Standard Model predict new phenomena which decay to well isolated, high-pt leptons. Searches for new physics models with these signatures are performed using the ATLAS experiment at the LHC. The results reported here use 13 TeV pp collision data; prospects for HL-LHC will also be shown.

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Session Classification: Searches for New Physics

Track Classification: Searches for New Physics