



Contribution ID: 7

Type: Oral

Searches for new heavy particles using the ATLAS detector

Many theories beyond the Standard Model predict new phenomena, such as Zprime, Wprime bosons, scalars, KK gravitons, heavy leptons, supersymmetry, in final states with high-pT objects such as leptons, photons and jets. Searches for new physics with such signatures are performed using the ATLAS experiment at the LHC. The most recent 13 TeV pp results with the full LHC Run 2 dataset will be reported.

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