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Search for dilepton and lepton+ MET resonances at high mass with ATLAS Experiment at LHC

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Abstract content

In 2010, the LHC started taking data from p-p collisions with a center-of-mass energy of 7 TeV and the ATLAS Experiment obtained its first W' and Z' exclusion limits with 42 pb⁻¹ of integrated luminosity. In 2011, the LHC continues taking data at 7 TeV and the ATLAS Experiment recorded up to 1.21fb⁻¹ of integrated luminosity this summer. This presentation will show the lepton+MET and dilepton signatures searches results with W' SSM and Z' SSM as benchmark models using 1.21fb⁻¹ of integrated luminosity.

Summary

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