



Contribution ID: 34

Type: **Parallel Talk**

Searches for Exotics physics states decaying to leptonic final states

Friday, 8 June 2012 17:20 (20 minutes)

We present searches for new particles decaying to leptonic final states using data collected in 7 TeV LHC proton-proton collisions with the ATLAS detector. Our studies include dileptons, diphotons, excited leptons, leptons + missing transverse energy, dibosons or multileptons in same and opposite electric charge. These studies test wide set of predictions for extensions to Standard Model, including exotics long lived particles that decay far from the interaction point.

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ABC Collaboration**

ATLAS Collaboration

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Session Classification: 5F: (Parallel) BSM

Track Classification: Standard Model & Beyond