Abstract Submitted
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Search for a Heavy Resonance Decaying into an e mu Pair at ATLAS SCOTT AEFSKY[1], Brandeis University, ATLAS COLLABORATION — We present a search for a heavy resonance decaying into an e-mu final state using 35 pb-1 of data collected by the ATLAS detector at the LHC in pp collisions at 7 TeV. The number of observed e-mu events in data is compared to the Standard Model predictions. We interpret the results in terms of the production of both R-parity violating (RPV) sneutrinos and Lepton Flavor Violating Z'. We present direct bounds on the RPV and LFV couplings as a function of the sneutrino and Z' masses.

[1]on behalf of the ATLAS Collaboration

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