

Abstract Submitted
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Search for TeV-Scale Gravity Signatures in Final States with Leptons and Jets with the ATLAS Detector at $\sqrt{s} = 7$ TeV GERMAN COLON, University of Massachusetts Amherst, ATLAS COLLABORATION — Results are presented from a search for physics beyond the Standard Model in events with leptons and jets with large transverse momentum, using data collected by the ATLAS detector in 2011. Using models for strong gravitational states in extra-dimensional theories, such as black holes and string balls, we interpret the results in terms of the fundamental gravitational scale and the mass threshold for production of the aforementioned states.

German Colon
University of Massachusetts Amherst

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