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## **Searches for TeV-gravity signatures in final states with lepton and Jets with the ATLAS detector**

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### **Abstract content**

The production of high transverse momentum events containing charged leptons and jets has been measured, using 1 fb<sup>-1</sup> of data recorded by the ATLAS detector in 2011 at  $\sqrt{s} = 7$  TeV. No excess beyond Standard Model expectations is observed, and lower limits on effective cross sections are set. Using models for string ball and black hole production and decay, exclusion contours are determined as a function of mass threshold and the fundamental gravity scale

### **Summary**

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**Session Classification :** Hadronic Matter

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