

Abstract Submitted  
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**Search for excited muons with the ATLAS experiment** SERDAR GOZPINAR<sup>1</sup>, Brandeis University, ATLAS COLLABORATION — A search for excited muons in the decay channel  $\mu^* \rightarrow \mu + \gamma$  with the ATLAS detector is presented. Data from pp collisions at a center-of-mass energy of 7 TeV corresponding to an integrated luminosity of 2.05 fb<sup>-1</sup> were analyzed. No evidence for signal was found, and 95% C.L. limits in the excited muon mass - compositeness scale phase space were increased.

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