

Abstract Submitted
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Study of narrow high-mass particle production using di-lepton decay channels in ATLAS¹ TAEKSU SHIN, Hampton University/ATLAS — The CERN Large Hadron Collider (LHC) and the ATLAS experiment will begin to take data in 2007. A considerable effort has been made to study new physics signatures and backgrounds for beyond standard model (BSM) physics in ATLAS at the LHC. We present studies of di-lepton decay channels from exotic particle production, focused on the performance of the ATLAS detector for exotic particle production in early ATLAS data-taking scenarios.

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