

ICHEP2012



Contribution ID: 183

Type: **Parallel Sessions**

## **Searches for new Physics in events decaying to tau leptons with the ATLAS detector**

*Saturday, July 7, 2012 10:20 AM (15 minutes)*

We report on searches of heavy particles decay to a pair of taus as well as a search for third-generation leptoquarks decaying to a jet and a tau lepton. The studies reported use the full data sample recorded in 2011 at  $\sqrt{s}=7$  TeV centre-of-mass energy by the ATLAS experiment at the LHC.

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**Session Classification:** Room 219 - BSM - Non-SUSY - TR3

**Track Classification:** Track 3 - BSM - Non-SUSY Exotics