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

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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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