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Search for heavy neutrinos with the ATLAS detector

Multiple theories beyond the Standard Model predict the existence of heavy neutrinos, such as the Type I or Type III seesaw mechanisms which can explain the light neutrino masses, or left-right symmetric models which restore parity symmetry in weak interactions at higher energy scale and predict right-handed counterparts to the weak gauge bosons. Searches for such heavy Majorana or Dirac neutrinos with the ATLAS detector will be presented using proton-proton data from the LHC at a center-of-mass energy of 13 TeV.

Collaboration name

ATLAS

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