

ICHEP2012



Contribution ID: 165

Type: **Parallel Sessions**

## **Search for the Standard Model Higgs boson in the H ->tautau decay mode with the ATLAS detector**

*Saturday, July 7, 2012 9:15 AM (15 minutes)*

A Higgs boson search in the  $H \rightarrow \tau^+ \tau^-$  decay mode has been performed using proton-proton collision data recently collected with the ATLAS detector at the Large Hadron Collider. The search was performed in the mass range of 100-150 GeV. Upper limits on the cross-section times branching ratio are derived.

**Primary author:** Dr BANERJEE, Swagato (University of Wisconsin (US))

**Presenter:** Dr BANERJEE, Swagato (University of Wisconsin (US))

**Session Classification:** Plenary 3 - The Standard Model - TR1

**Track Classification:** Track 1 - The Standard Model and EW Symmetry Breaking - Higgs Searches