



Contribution ID: 1146

Type: **Parallel Session Talk**

Search for Standard Model Higgs boson in di-tau final state at the Tevatron

Friday, 23 July 2010 14:45 (18 minutes)

We present a search for a Standard Model Higgs boson in events with a final state containing two taus and two jets at a center-of-mass energy of $\sqrt{s}=1.96$ TeV at the Fermilab Tevatron collider. The final states are sensitive to a combination of associated production of a W/Z boson with a Higgs boson, vector boson fusion and gluon-gluon fusion production processes. Inclusion of the data set up to 5.4 fb^{-1} , and recent improvements to the sensitivity will be discussed.

Primary author: CDF_AND_DZERO_COLLABORATIONS, Tevatron (Fermi National Accelerator Laboratory (FNAL))

Presenter: TOTARO, Pierluigi (INFN-Sezione di Trieste)

Session Classification: 02 - The Standard Model and Electroweak Symmetry Breaking

Track Classification: 02 - The Standard Model and Electroweak Symmetry Breaking