

Experimental Seminar Series

Wednesday February 5, 2014

12:30 pm – 1:30 pm

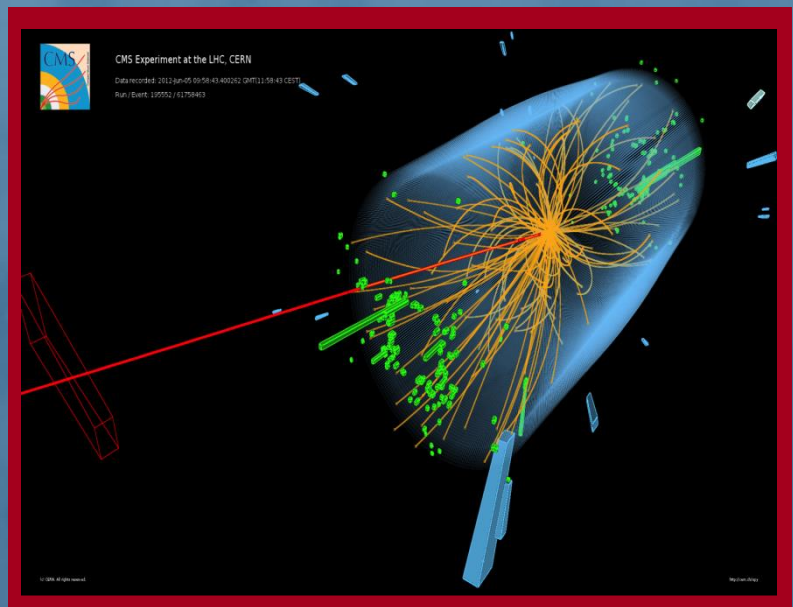
Sycamore Conference Room, Bldg 40 – rm 195

Searching for Higgs to Tau Tau at CMS



Joshua Swanson

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The latest results of the direct coupling of a standard model Higgs boson and tau leptons using events recorded by the CMS experiment at LHC in 2011 and 2012 are presented. The dataset used corresponds to an integrated luminosity of 4.9 fb⁻¹ of pp collision data collected at $\sqrt{s} = 7$ TeV and 19.7 fb⁻¹ collected at $\sqrt{s} = 8$ TeV. Results of a search for a MSSM neutral Higgs bosons decaying to tau pairs will also be briefly summarized.