

CU Physics Department Particle Seminar

Wednesday, November 18, 2009 705 Pupin Hall 1:00 PM



Observation of $WW+WZ$ production in a semileptonic decay at CDF

I will present the recent observation and cross section measurement of $WW+WZ$ production in the lepton plus jets final state at CDF. This measurement is an important milestone in the search for the Standard Model Higgs boson at the Tevatron due to the similar event topology and analysis techniques. I will describe the details of the analysis, including the use of matrix element calculations to separate the signal from the large backgrounds.



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