

Search for the V_h Production Using Like-Sign Dilepton Events at CDF

Tuesday, 31 May 2011 11:00 (20 minutes)

We are searching the Higgs boson associated with a vector boson by using like-sign dilepton events. In these events, the most dominant backgrounds are fake events. As collecting the data, we found that the nominal W veto causes some bias in the fake ratios. Also, p_T only background predictions are not sufficient because fakes depend on other variables and result in poor predictions.

In this conference, we mainly report our new fake estimations, five-dimensional fake rate with MC-based subtraction.

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Session Classification: Session 2

Track Classification: Energy Frontier