Contribution ID: **33**   Type: **not specified**

Search for Standard Model Higgs Boson associated with W boson using DLM at CDF

Thursday, 14 June 2012 14:30 (15 minutes)

The analysis to search for the Standard Model Higgs boson in high Pt lepton + 2 jets events is performed at the CDF experiment. To extract the information of signal like events from data, Dynamical Likelihood Method(DLM) is established. For the separation of signal against backgrounds, Support Vector Machine(SVM) is applied using the result of DLM and the final discriminant is formed with SVM discriminant. Finally, from the final discriminant, the 95% C.L. upper limit of Higgs production cross section is estimated.

Primary author: Mr KURATA, Masakazu (University of Tsukuba)

Presenter: Mr KURATA, Masakazu (University of Tsukuba)

Session Classification: Afternoon Session