



Contribution ID: 44

Type: **contributed talk**

Overview of 0-Lepton $Z(\nu\nu) + H(b\bar{b})$ Analysis and b-tagging MC Calibration

Tuesday 8 April 2014 16:30 (15 minutes)

Since its discovery a large effort has been made to improve analyses and confirm the properties of the Higgs Boson. At a mass of 125 GeV Higgs to $b\bar{b}$ is the dominant decay mode, however large QCD backgrounds prevent direct analysis, instead an analysis of Higgs to $b\bar{b}$ is considered where the Higgs is produced in association with a Vector Boson (W/Z). A brief overview of this analysis will be presented with particular focus on the $Z(\nu\nu) H(b\bar{b})$ channel. Common to other analyses where high p_T jets are required flavour tagging is a dominant systematic in this analysis. Details of Monte Carlo studies helping to reduce these systematics are also presented.

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Session Classification: Parallel 2C

Track Classification: The Energy Frontier Programme