Contribution ID: **52**   Type: **not specified**

Monte Carlo modelling using CMSSW

Friday 15 September 2017 15:45 (15 minutes)

The main principal of the operation of the Resistive Plate chambers (RPC) and the base technique for analyzing the data is discussed. The simulation of a small MC sample using CMSSW (CMS Software), including all the simulation steps starting from event generation up to the reconstruction step. The obtained sample is used to evaluate the predicted hit efficiency of the RPC chambers. The MC results are compared to the experimentally obtained ones. Details the main detector characteristics of the RPCs and some base analysis concepts are presented.

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Session Classification: Projects