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H->Gamma Gamma Search at CMS from the Bottom Up

Thursday, 14 June 2012 13:30 (15 minutes)

Optimizing the performance of the CMS Electromagnetic Electromagnetic Calorimeter is crucial for a successful search for Higgs in the diphoton decay channel. In this talk, we will review the work done over the past two years to optimize the ECAL performance with an emphasis on the ECAL calibration and monitoring techniques.

Summary

The talk will be mostly on the CMS ECAL, but the Higgs to Gamma Gamma search will also be reviewed to emphasize the importance of achieving the best ECAL energy resolution.

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