Time Reconstruction in the CMS ECAL Detector

SETH COOPER,
University of Minnesota, CMS COLLABORATION — Signal time reconstruction in the CMS ECAL is of great importance to nearly all physics analyses at CMS. The reconstruction should be precise and accurate, even when the signal is out of time or the pulse height is low. This talk will cover time reconstruction in the CMS ECAL detector and examine its performance on data including test beams, cosmic rays, and LHC beam events from 2008.