The CMS ECAL DAQ system: electronics auto-recovery and monitoring

-Prasanna Siddireddy
Overview

A new monitoring system has been developed for the ECAL DAQ system to identify and log errors into a database.
A new automatic recovery system has been developed and integrated into the system which identifies errors and reconfigures hardware in on detector and off detector electronics.

It’s performance has been measured by comparing the lost luminosity and downtime of ECAL and ES during 2016 and 2017.