Electromagnetic Calorimeter is a crucial component of the CMS detector
• measures energy of electrons and photons with resolution up to 1.5%;
• excellent position reconstruction thanks to fine detector granularity
  provides high photon-resonance mass resolution

Ever increasing levels of absorbed irradiation dose and higher number of
pile-up interactions make it challenging to maintain the high level of
ECAL performance.

Nevertheless, it is achieved thanks to a number of parallel efforts:
• continuous monitoring and servicing: to maintain all the ECAL systems
  operational during data taking;
• regular calibrations: to take into account variations of mechanical
  structure, crystal and electronics response, beam conditions;
• improvement of reconstruction algorithms: to better identify increasing
  contributions from pile-up collisions and to improve reconstructed energy
  resolution.