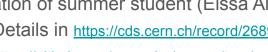
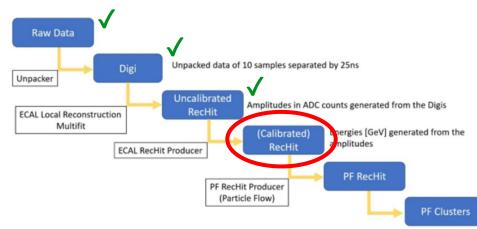
ECAL projects

Davide Valsecchi & Andrea Massironi

ECAL on GPU

- Rechit @GPU _
 - Integration of summer student (Eissa Alnasrallah) validation code for rechit -
 - Details in https://cds.cern.ch/record/2689610 _
 - https://github.com/amassiro/cmssw/tree/amassiro patatrack ECALrechit on GPU -
 - Steps forward to make rechit @gpu compatible with rechit @cpu -
 - Still not perfect match between cpu and gpu version _

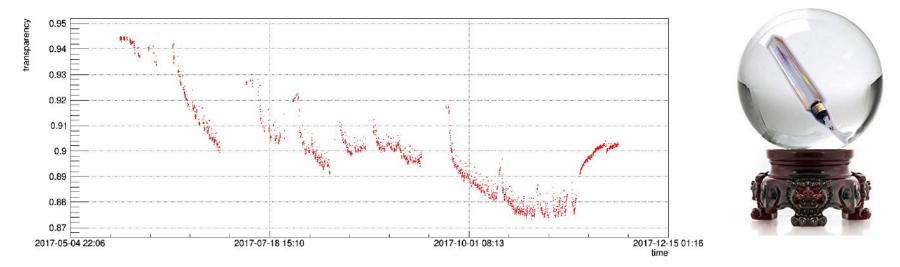








ECAL transparency evolution prediction: ML4ECAL



- High LHC instantaneous luminosity, ECAL crystal transparency changes fast
- Calibration @HLT is updated weekly/bi-weekly, based on latest measurement
- Can we do better?
- Time series prediction with RNN online @ HLT (idea: can anything be done for L1 interfill?)

... Pre-processing trasparency data

