



# Run1 reprocessing and Calibration activities

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# Run1 Reprocessing

- 🌐 LHC11a
  - 🌐 Cpass0, 135 runs with beam, 101 good runs
  - 🌐 Of these, 80 runs with either TPC, TRD, TOF, To, SDD, SPD
  - 🌐 68 ok, 11 failed in EV, 1 in TOF (no tracks selected)
  - 🌐 12 failed runs are 146105 146148 146208 146369 146374 146376  
146390 146393 146394 146400 146401 146402
  - 🌐 146105: failed in TOF (statistics), no crash, under investigation
  - 🌐 146148, 146208: in EV due to TPC, TMinuit fitting problem (FitSlicesY), needs fix in several places, then benchmarking; work in progress.
  - 🌐 Remaining 9 runs failed, WITHOUT magnetic field due to TPC, histograms empty, division by zero → protection put in place
- With new release of Aliroot should then be fine, to be checked

# Run2 Offline Calibration

- 🌐 When CPass1 finished, manual intervention necessary to recover failed runs (due to statistics – e.g. TRD); time consuming, depends on availability of people
  1. Add a process after standard CPass0/1 that “fills the holes” automatically
  2. Allow CPass0/1 jobs to wait before being closed till the previous runs are finished; when one is done, copy automatically OCDB entry
    - 🌐 Could still introduce delay, but only for runs suffering from low statistics
    - 🌐 Lightweight Production Manager (LPM) can handle complex dependencies of runs (e.g. good, bad, bad, good, bad, bad )
  3. Discussions ongoing with detectors and offline, define specific use cases and make proposal