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# TPC request.

- [bug #59840](#): Request: Porting of new TPC code to the Release
- A lot of modification of code (difference between trunk and Release) accumulated during the last 3 month
- Groups:
  - Reconstruction – 5-8 files
  - Calibration - 11 files
  - QA – 5 files
  - Krypton calibration – 4 files
- OCDB update:
  - Extend the run validity of the PadTime0 calibration
  - Current good calibration range 70000-10000, new runs use calibration from the year 2008

# Reconstruction.

- BxByBz:
  - AliTPCtrack.cxx 17 Revision: 37048
    - depends on:
      - STEER/AliExternalTrackParam.h
      - STEER/AliExternalTrackParam.cxx
- AliTPCTransform.cxx 16 Revision: 37085
- AliTPCReconstructor.h 8 Revision: 37048
- AliTPCseed.cxx 14 Revision: 37048
- AliTPCtrackerMI.cxx 12 Revision: 37048
- AliTPCclustererMI.cxx 20 Revision: 37048

# Calibration

- AliTPCAnalysisTaskcalib.cxx 8 Revision: 37048
- AliTPCcalibDButil.h 4 Revision: 37201
- AliTPCcalibDButil.cxx 13 Revision: 37378
- AliTPCLaserTrack.h 4 Revision: 37128
- AliTPCTracklet.cxx 30 Revision: 37048
- AliTPCcalibCosmic.h 5 Revision: 37048
- AliTPCcalibCosmic.cxx 124 Revision: 37128
- AliTPCkalmanFit.cxx 16 Revision: 37048
- AliTPCTransformation.cxx 8 Revision: 37048
- AliTPCcalibTime.h 37048
- AliTPCcalibTime.cxx 37048

## QA.

- AliTPCQADataMakerRec.h 3 Revision: 37127
- AliTPCQAChecker.cxx 4 Revision: 37048
- AliTPCQADataMakerRec.cxx 56 Revision: 37127
- AliTPCCalibViewerGUItime.h 50 Revision: 37201
- AliTPCCalibViewerGUItime.cxx 339 Revision: 37201

# Krypton calibration

- AliTPCclustererKr.h 9 Revision: 37048
- AliTPCclusterKr.h 419 Revision: 37048
- AliTPCclustererKr.cxx 22 Revision: 37048
- AliTPCclusterKr.cxx 1128 Revision: 37048

# Test procedure

- Check out the Release
- Port the changes to the Release
- Compile patched Release
- Run the stressTest
  - My scripts submitting jobs for all scripts in test directory
  - I will add this script to the TPC directory
  - Cosmic test not yet included