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What needs to be done:

- Migration of DQM
- Finish migration of TUDAS
- Move branch to trunk
- Tests by developers
- Make list of changes in geometry for developers of T1 and T2

To run your configurations, which are not in repository, you may need to make some changes:

- `process.load("SimGeneral.MixingModule.mixNoPU_cfi")`
+ `process.load("Configuration.TotemCommon.mixNoPU_cfi")`

- `RandomNumberGeneratorService = cms.Service("RandomNumberGeneratorService",
  sourceSeed = cms.untracked.uint32(13579097),
  moduleSeeds = cms.PSet(
    g4SimHits = cms.untracked.uint32(9876),
  )
)`
+ `RandomNumberGeneratorService = cms.Service("RandomNumberGeneratorService",
  g4SimHits = cms.PSet(initialSeed = cms.untracked.uint32(9876))
)`

Where necessary, set process label. e.g.:
+ `process.RPClustProd.DigiLabel = cms.InputTag("RPSiDetDigitizer")`

Some labels for reconstructing Raw Data:

- `process.Raw2DigiProducer rpDataProductLabel = cms.untracked.string("")`
- `process.Raw2DigiProducer rpCCProductLabel = cms.untracked.string("")`
- `process.TriggerBits StripDigitLabel = cms.InputTag("Raw2DigiProducer")`
- `process.RPCC DetTriggerLabel = cms.InputTag("TriggerBits")`
- `process.RPClustProd DigiLabel = cms.InputTag("Raw2DigiProducer")`
Database access (TUDAS Migration)

TOTEM Software with TUDAS can be found on special branch:
totem/branches/CMSSW_6_2_0_with_tudas/

TUDAS is not fully migrated.

What is done:

- Migration of TOTEM software modules related to TUDAS:
  - TotemUnifiedDatabaseAccessService/Generated
  - TotemUnifiedDatabaseAccessService/Tudas
  - TotemUnifiedDatabaseAccessService/RPAlignmentESSource
  - TotemUnifiedDatabaseAccessService/TudasRPDataFormats (moved from other package)

- Migration of ICE Library:
  - It can be found in TOTEM afs directory:
    
    /afs/cern.ch/exp/totem/soft/cmssw620externals/cmssw620-ice/ice-gcc472

What needs to be done:

- Migration of tudas library
  - /afs/cern.ch/exp/totem/soft/database/tudas
  - /afs/cern.ch/exp/totem/soft/database/tudas/tool/tudas.xml to branch
    
    /branches/CMSSW_6_2_0_with_tudas/config/toolbox/sl6_amd64_gcc472/tool
  - Add to repository ice libraries if it is necessary.
    - to directory CMSSW_6_2_0_with_tudas/external/sl6_amd64_gcc472/lib