Data Management

Data storage

All types of data (raw, reco, analysis) should be stored in CASTOR (see more instructions). TOTEM's base directory is /castor/cern.ch/totem/. For each data type, there is a dedicated directory:

- **raw**  /castor/cern.ch/totem/LHCRawData/
- **reco** /castor/cern.ch/totem/offline/Reco/
- **analysis** /castor/cern.ch/totem/offline/Analysis

For short term work, there is a temporary AFS space allocated at /afs/cern.ch/exp/totem/scratch. The structure is similar to the one of CASTOR space:

- **raw**  /afs/cern.ch/exp/totem/scratch/data
- **reco** /afs/cern.ch/exp/totem/scratch/offline/Reco
- **analysis** /afs/cern.ch/exp/totem/scratch/offline/Analysis

For both, CASTOR and AFS spaces, the subsequent directory structure shall be year/subsystem. The year obviously is like 2010, the subsystem may be one of these:

- RP, RPT2, T1, T2

Conditions data storage

For RP positions, BLM and BPM data, etc. there is a temporary storage space allocated on AFS

/afs/cern.ch/exp/totem/scratch/data/RP/<date>/conditions

Eventually, these data shall be saved on CASTOR

/castor/cern.ch/totem/LHCRawData/year/ConditionsData/<date>

year is for example 2010, date is the data-taking date in format yyyy_mm_dd. If the data-taking spanned over two calendar days, use e.g. 2010_08_04-05. If there are several data-takings within the same days, use _1, _2, ... suffixes.

Alignment data

Alignment data can be found in

/afs/cern.ch/exp/totem/scratch/data/RP/<date>/alignment

There are usually several subdirectories with different versions of the alignment. Each directory shall contain a description file that gives information how the alignment has been obtained.

-- JanKaspar - 21-Jul-2010

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