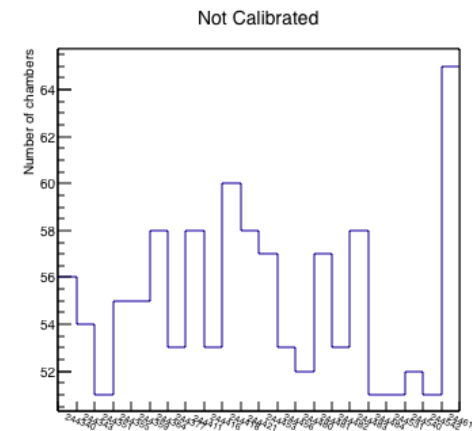
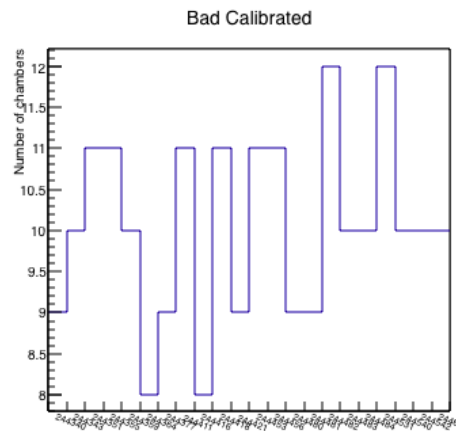
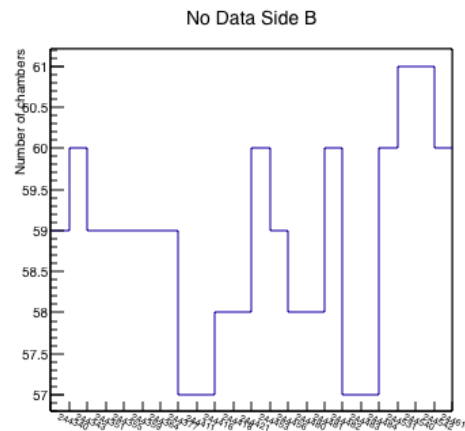
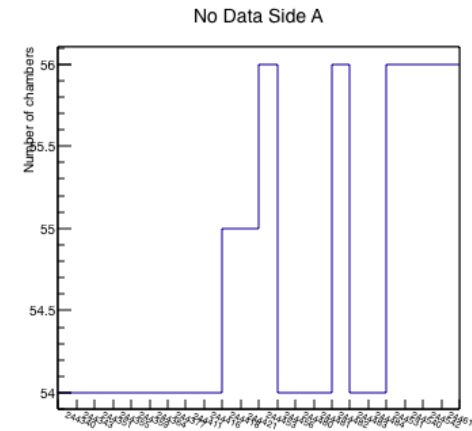
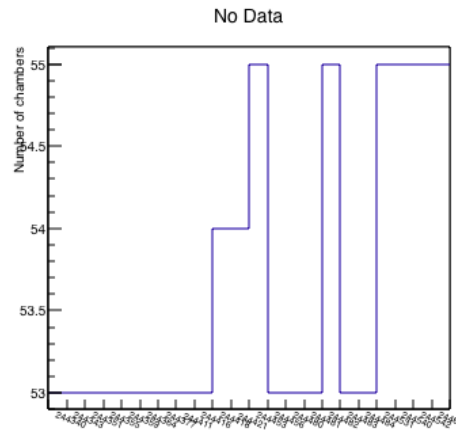
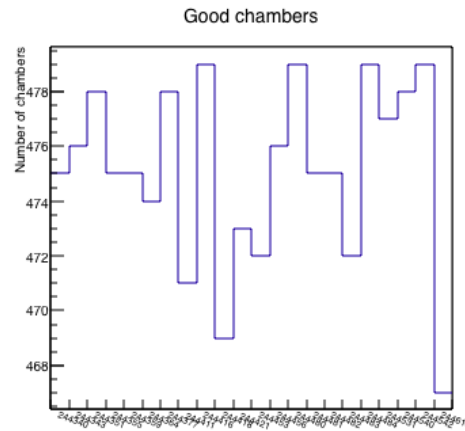


TRD calibration LHC15n

- **cpass0:**
 - **25 successful runs**
 - **2 runs in error state** 6 during the creation of the OCDB (244617,244619)
Merging worked but the first chunk did not contain any TRD tracks
→ Initialization of the title of the histos not completed for these kind of chunks
→ Produce an error when the OCDB objects are created
Can be recovered manually after cpass1 completed
Happened extremely rarely since the beginning of cpass0/cpass1
- **cpass1 similar to cpass0 on going**

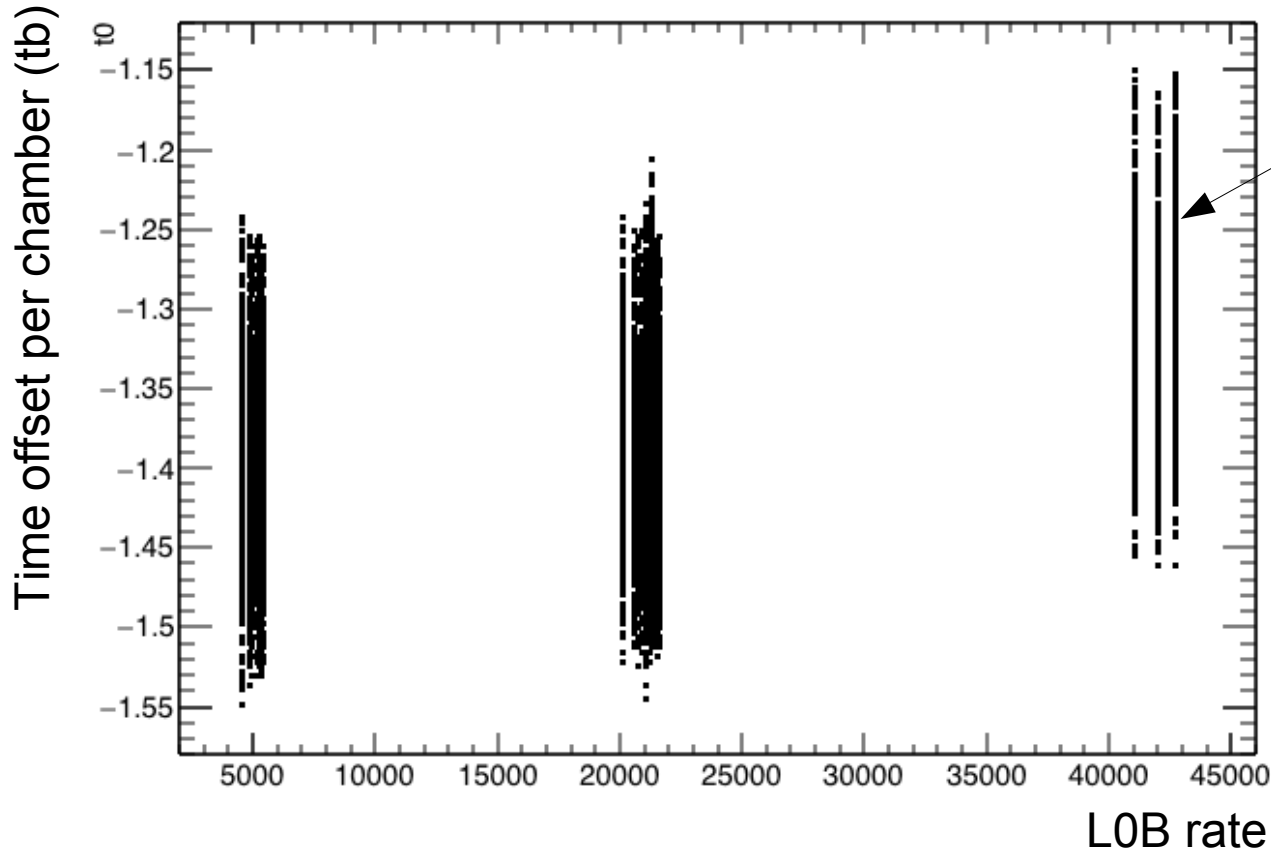
Some OCDB variables



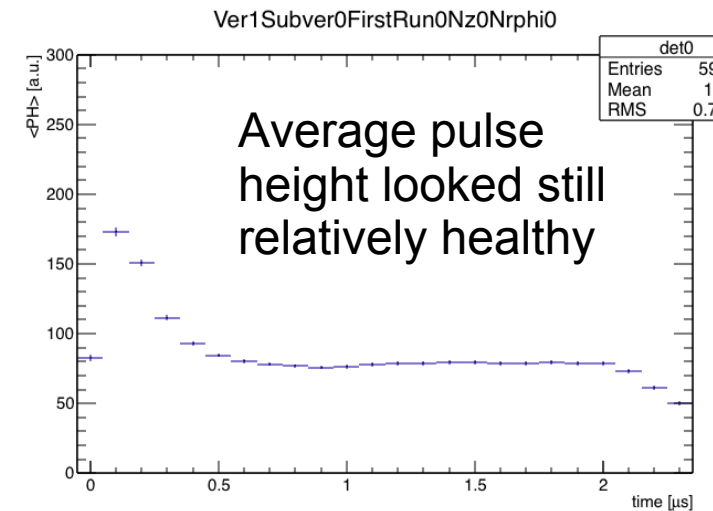
Chamber status: good chamber for analysis, chamber of half-chamber off/on with low HV, chamber with very low/high gain/drift, chamber not calibrated due to on/off or small stats

- **First cpass0/cpass1 calibration looks reasonable**
- **Iterations with more „demanding“ TRD analysis later**

Time offset versus L0B rate



Runs:
244411,244416
244418,244421



- **Time offset calibration shows small dependence ($0.1\text{tb} = 10\text{ns}$) on the luminosity**
- Effect on the TRD tracking negligible (see QA daily meeting)
- More dramatic effect in the DQM plot (amplification peak suppressed)
- **No obvious dependence observed for the gain and drift**
Other variations (pressure change with HV tuning, gas composition...)
QA ok

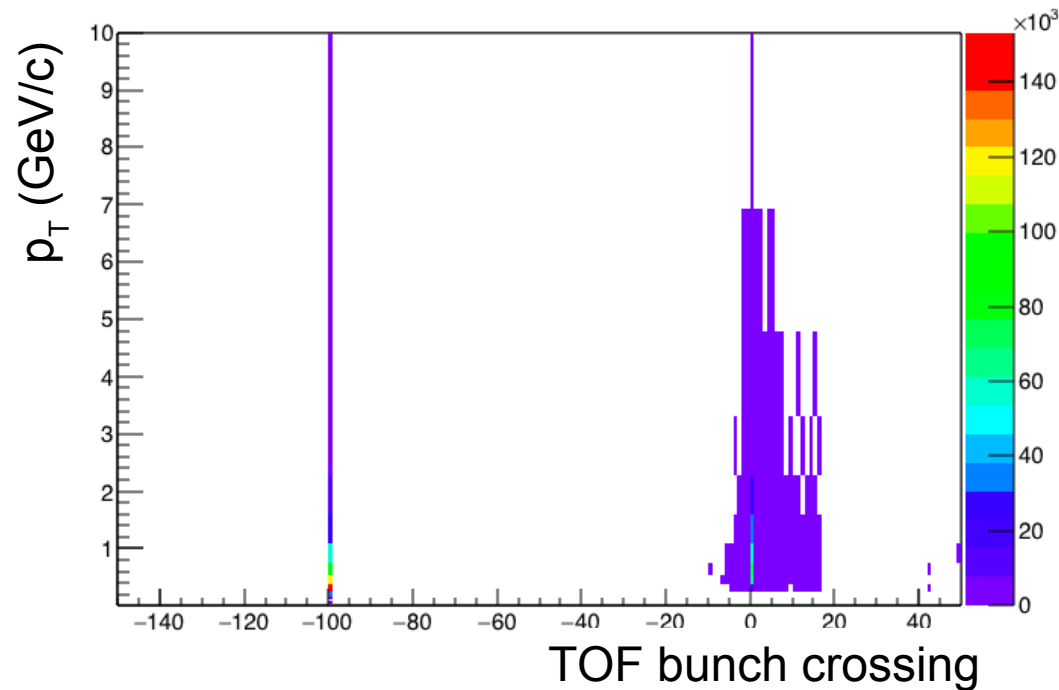
Selection of tracks

Track requirements to be robust against pile-up

- ITS refit with at least one hit in the SPD layers
- OR TOF bunch crossing number

Later can not be used alone: loose too much statistics

Run 244617 with low L0B rate



Run 244411 with high L0B rate

