

QC development

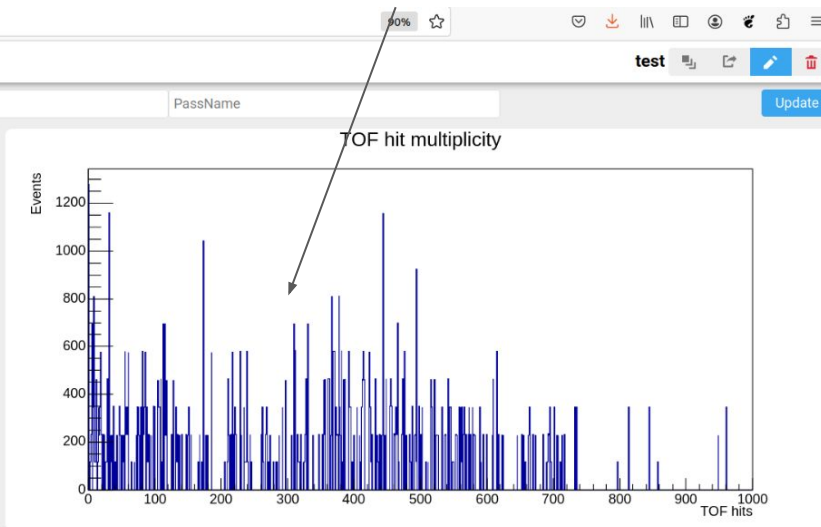
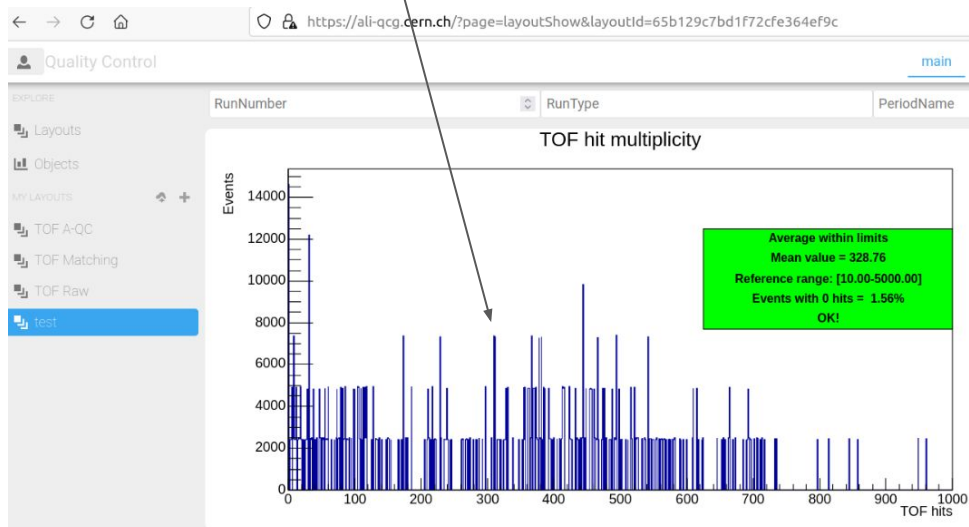
Moving window tested in production

Saves the object under a subfolder “mw”

Easy to adapt the trendings → change path of objects to trend

Integrated over the full run

Refresh at every cycle (60 sec)



Fix Trending Rate

Two PRs with potential fixes made the QC version v1.131 → not clear to me if the software upgrade of TODAY at P2 will include this QC version

Tested at P2 in SYNCH yesterday (Francesco e Francesca):

- if bkg == 0 → NO CRASH
- if bkg != 0 && sgn == 0 → NO CRASH
- if bkg != 0 && sgn != 0 → CRASH

Hopefully our fixed will solve this

To do list

1. Fix Trending Rate
2. ~~Test moving window feature~~
3. ~~Start/Stop/Start issue~~ → **handled by QC Team**
4. Implement Trending tasks for:
 - a. TOF total hit multiplicity (and/or by sector)
 - b. active channels
 - c. decoding (readout diagnostics) errors
 - d. lost orbits
5. Implement Trending tasks for Calibration objects
6. Comparison of TOF Hit Map with reference map
7. Json and code clean-up → suggestions by QC team
8. Update shifter documentation
9. Mismatch