# **TOF QC Coordination meeting 01/04/2024**

# **General news**

# **QC** sincrono

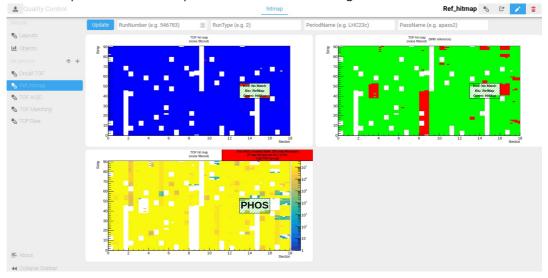
• Expendable tasks

# Expendable tasks

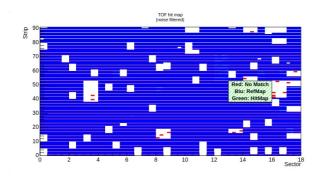
- QC process are by default critical -> Crash of the process will stop the run
- · Please mark all expendable tasks as non-critical
- Shifter will notify experts in case of a crashed process
- Processes can be set to not critical in the configuration:

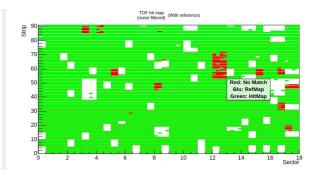


- N.B.: For tasks running on EPNs:
  - Can be only marked as not critical if «dataSource» is not «direct», but using «dataSamplingpolicy»
  - Process will appear always critical in ALIECS, no seperation between critical and non-critical EPN processes
- Critical flag included in qc files of the following detector: FIT, CTP, MCH, MFT, TPC, TRD, ZDC
- Plans per YETS
  - luminometro (Nhits/readout efficiency in funzione del tempo) --> modificare Post Processing Lost Orbits con fattore di scala arbitrario e possiamo correggere per accettanza usando la HitMap
  - o Diagnostics calib task
  - Ref hit map to be followed up with Pietro. Still no changes observed in PHYSICS runs:









chiedere su operations per input

### QC asincrono

#### Our sheet:

https://docs.google.com/spreadsheets/d/1z0no8X0s9R5mOGfR3BeNnx4RgYlBkyf9aVxJElQFIjE/edit?gid=0#qid=0

- 1. Data
- PbPb LHC24as/ar nsigma TOF of pions is smaller than expected 0.8-0.9
- pass2 quando? Vale la pena?
- 2. MC
- LHC24f4d anchored to LHC24af-->LHC24ao apass1
- LHC24g3 anchored to 2023 PbPb@5.36 TeV
- LHC24j4/j4b, anchored to 2024 pp@900 GeV

#### Calibration

- new reco cpass0 ongoing for seberal periods. New TOF calibrations for:
  - LHC23zo/zp (low magnetic field pp@13 TeV) -> calibrations DONE -> apass4 DONE
  - o 2023 Pb-Pb -> calibrations DONE for all periods
  - o 2024 Pb-Pb -> calibrations DONE for LHC24as, LHC24ar ongoing
  - pp 2002 900 GeV -> low statistics in cpass0 -> we will touch calibrations only if problems are spotted in QC

### Simulation/reconstruction

• FTO fix in digitization: message of Jacek last week "Dear Chiara, With Szymon we have reproduced the effect. We meet today at the FIT SW meeting and make decision on the further steps. Most probably there will the PR created." -> waiting for news

### **TOF AO2D**

• TPC Time Series hanno informazioni dettagliate del TOF!

WP4 discusso di includere nuove info TOF negli AO2D

- if track is matched to a cluster with more than 1 hit (OK accepted)
- TOF channels, use case mismatch, still under discussion, + 0.33% data size in pp

PID