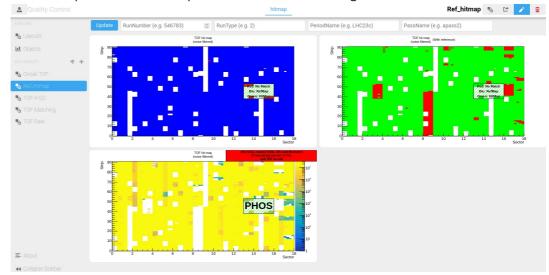
TOF QC Coordination meeting 24/02/2024

General news

QC sincrono

- Giovedì QC review, plans per YETS to be discussed
 - 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:



o chiedere su operations per input

QC asincrono

Our sheet:

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

- Current TOF calibrations have two main categories
 - o TOF detector calibrations (diagnostics, channel offsets, ...): whatever is needed for

- reconstruction and simulation
- TOF performance calibration (TOF resolution, expected time resolution, ...): whatever is needed at analysis level (TOF resolution is needed also for digitization)
- About the second category Nicolò has driven devolpements and maintained ccdb objects
 - o for PID developements Nicolò did a real huge job (not limited only to TOF!)
 - o for ccdb maintainance he provided manually all objects when needed
- In both cases at some point he will step down and we should start to think how to re-organize those activities to take over from him

Simulation/reconstruction

- TOFFEE active channel maps: Pietro added the list of strip with HV off, O2 was adapted as well but next software update at P2 only next week
 - as soon as we can we should run a test to valiate it by checking that active and hits map now agree
- next reco passes expected to run starting from beginning/middle of March
 - we should start (to be confirmed) with Pb-Pb 2023 apass5

TOF AO2D

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