

# TOF QC Coordination meeting 14/04/2024

## General news

### QC sincrono

- Expendable tasks



Robert Helmut Munzer



To: Manuel Colocci; Sofia Strazzi

Thu 03/04/2025 14:39

Cc: Silvia Pisano; Barthelemy Von Haller; Filippo Costa; Francesca Ercolessi;  
Francesco Noferini; Sofia Tomassini

Dear Manuel,

the general strategy would be to mark as many tasks as possible as expendable.

In case an expendable task is crashing, it just means, that the run continues until the OnCall has time to check the quality and decide, what need to be done. A restart of the run can be requested if needed.

After the restart, the task should work fine again.

The basic idea would be, that only task should be critical, if the run need to stop immediately, when the task crashed.

Best regards  
Robert

- 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 accettazione usando la HitMap
  - Diagnostics calib task

### QC asincrono

Our sheet:

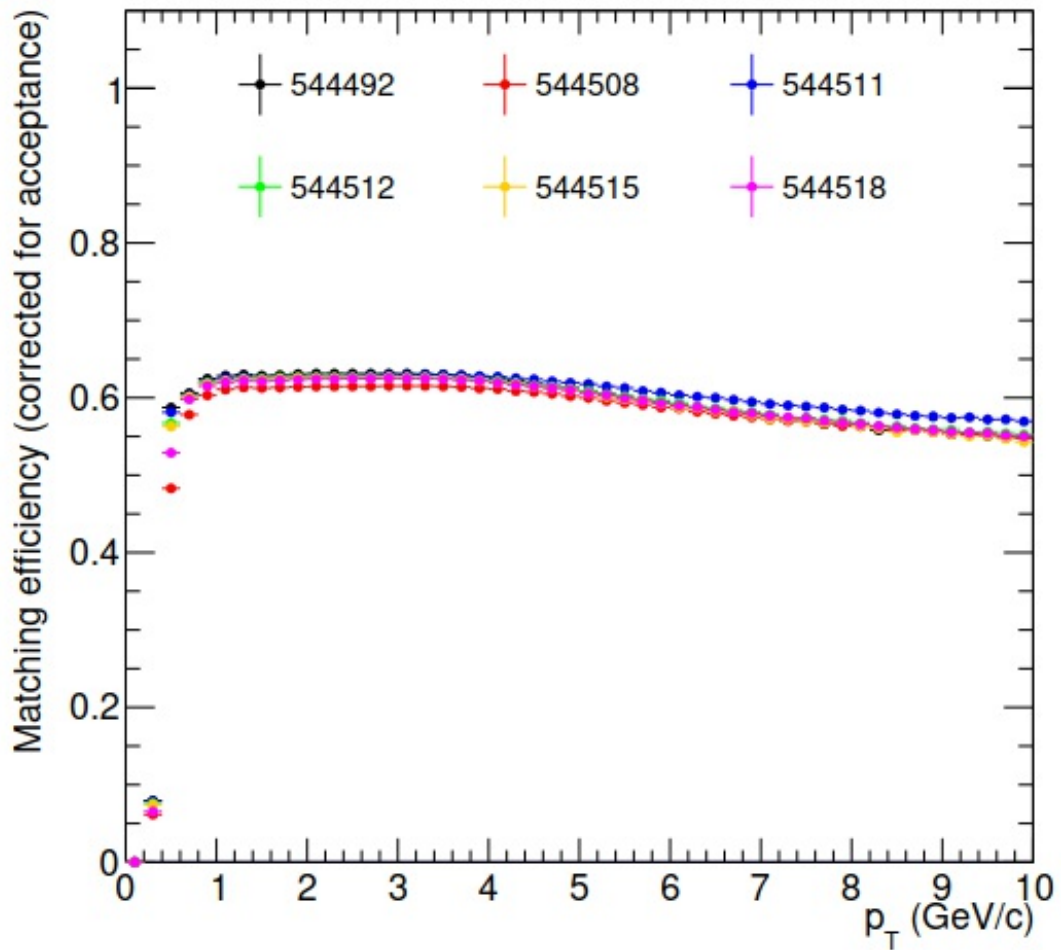
<https://docs.google.com/spreadsheets/d/1z0no8X0s9R5mOGfR3BeNnx4RgYlBkyf9aVxJElQFIjE/edit?gid=0#gid=0>

#### 1. Data

- apass4 of 2023 pp periods with low B (O2-5897 <https://its.cern.ch/jira/browse/O2-5897>) --> reported in the Jira all GOOD
- apass5 of 2023 PbPb periods (O2-5917 <https://its.cern.ch/jira/browse/O2-5917>) --> enabled checks on new runs this morning (LHC23zzh and LHC23zzk are OK!)

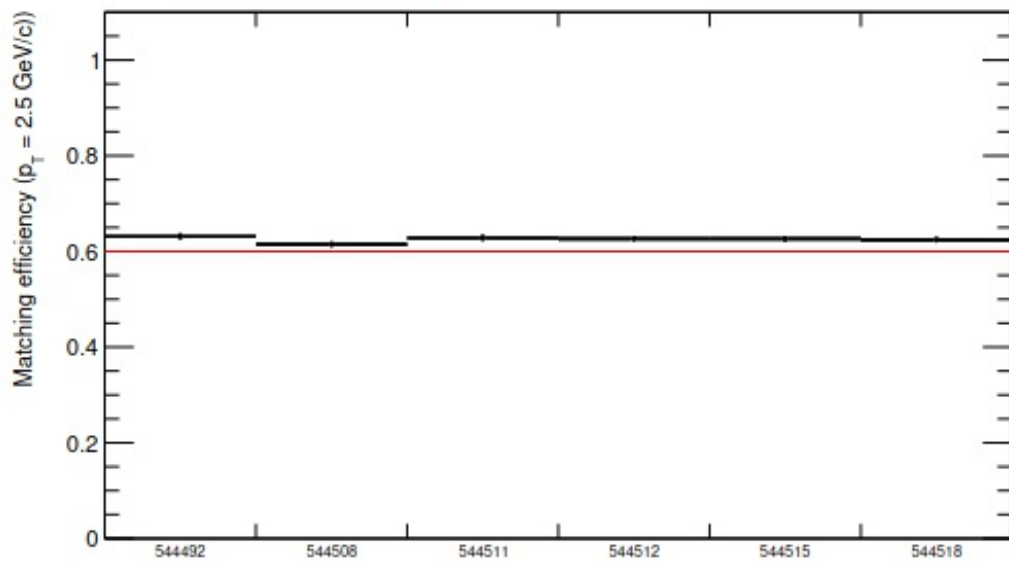
LHC23zzk apass5

ITS-TPC(-TRD) track



LHC23zzk apass5

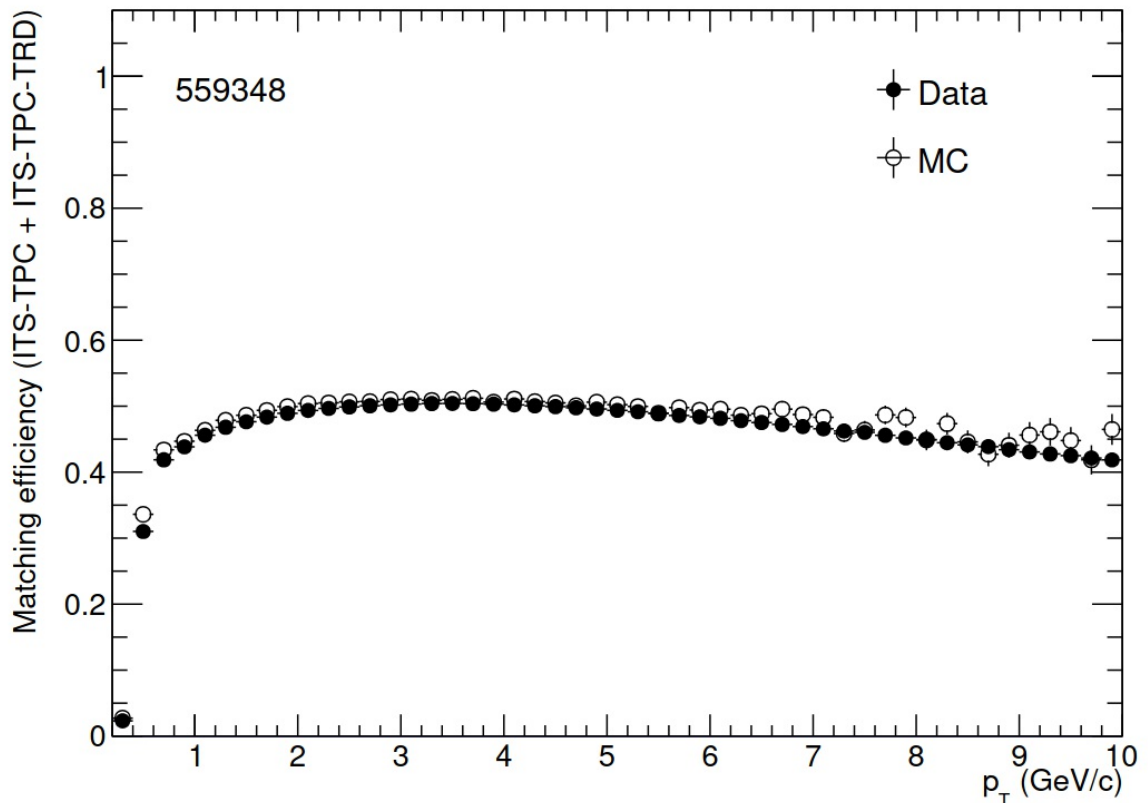
ITS-TPC(-TRD) tracks



## 2. MC

- LHC25b4a, LHC25b4b (O2-5888 <https://its.cern.ch/jira/browse/O2-5888>) GP MC anchored to apass1 of 24aq, 24ar ppref

--> reported in the Jira all GOOD very good data-MC agreement



## Calibration

- new reco cpass0 ongoing for several periods. New TOF calibrations for:
  - LHC23zo/zp (low magnetic field pp@13 TeV) -> calibrations DONE -> **apass4 DONE**
  - 2023 Pb-Pb -> calibrations DONE for all periods
  - 2024 Pb-Pb -> calibrations DONE for LHC24as, LHC24ar ongoing
  - pp 2022 900 GeV -> low statistics in cpass0 -> we will touch calibrations only if problems are spotted in QC

## Simulation/reconstruction

- FT0 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 be 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