

# PS Report week 22



Many thanks  
to the PS OP and coordination teams as well as all equipment experts and support teams!

# Availability W21/22 (Thu – Thu 9am)

**Availability** ↻

**94.6%**

---

**Blocking Faults**

**21**

---

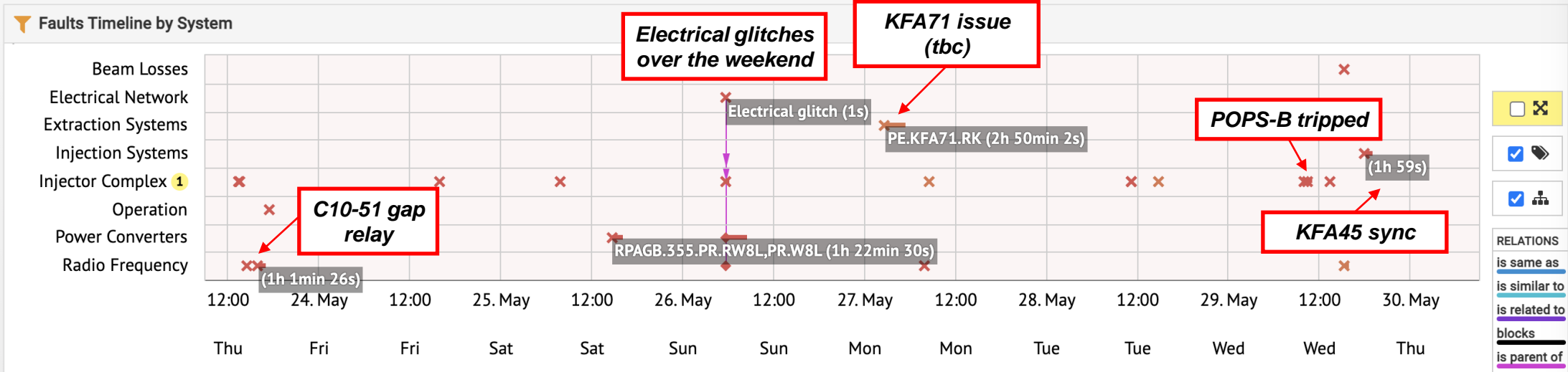
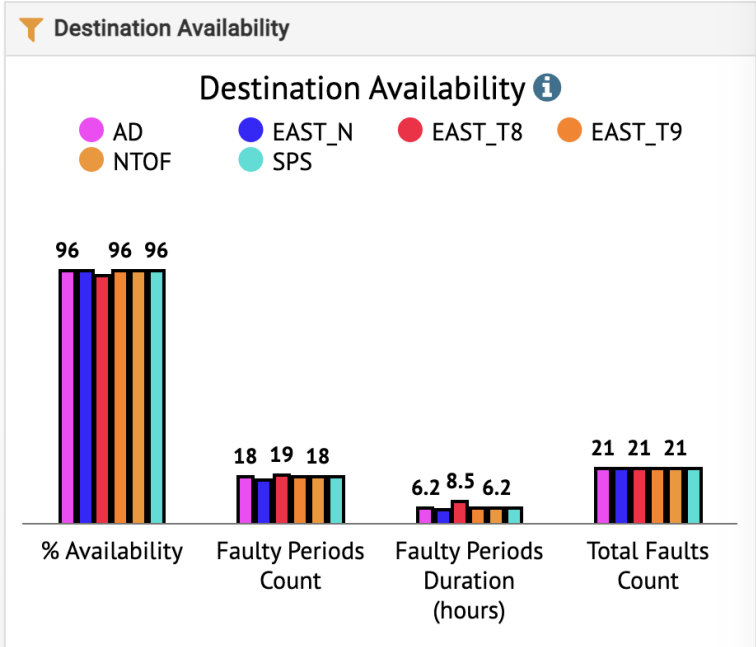
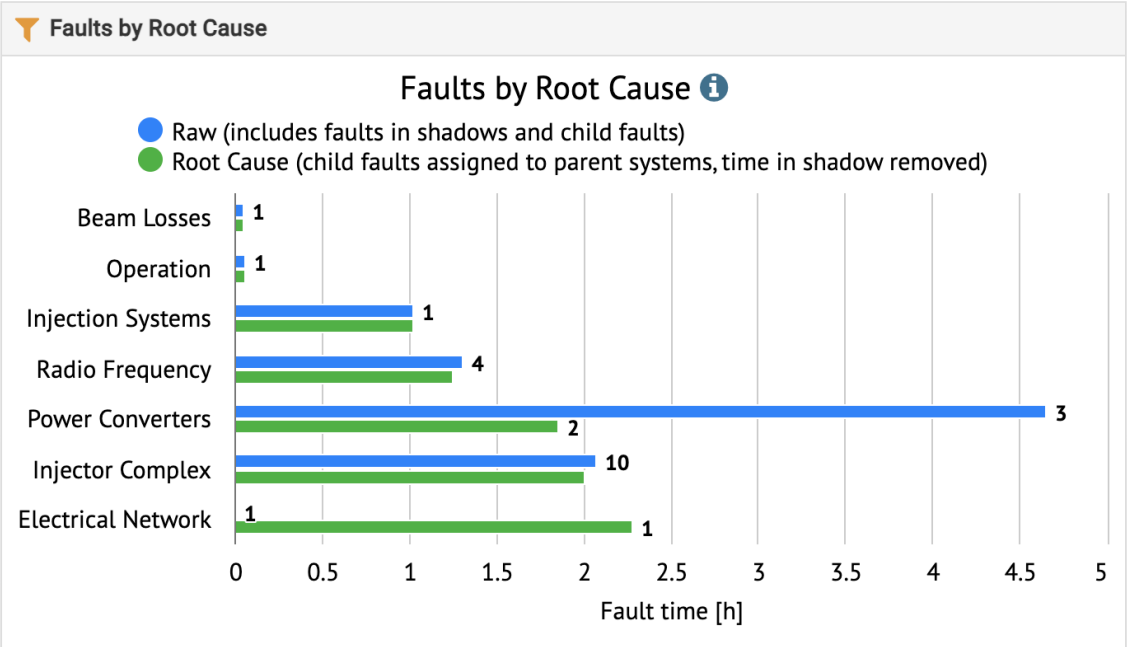
**Total Faults**

**25**

---

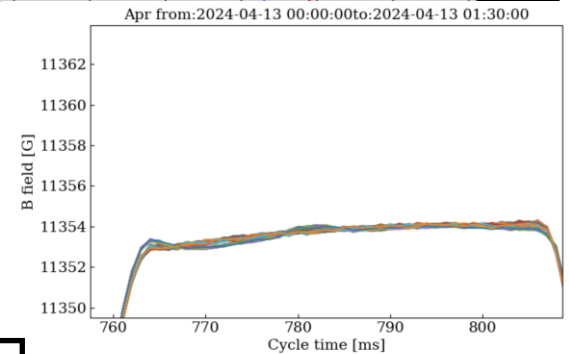
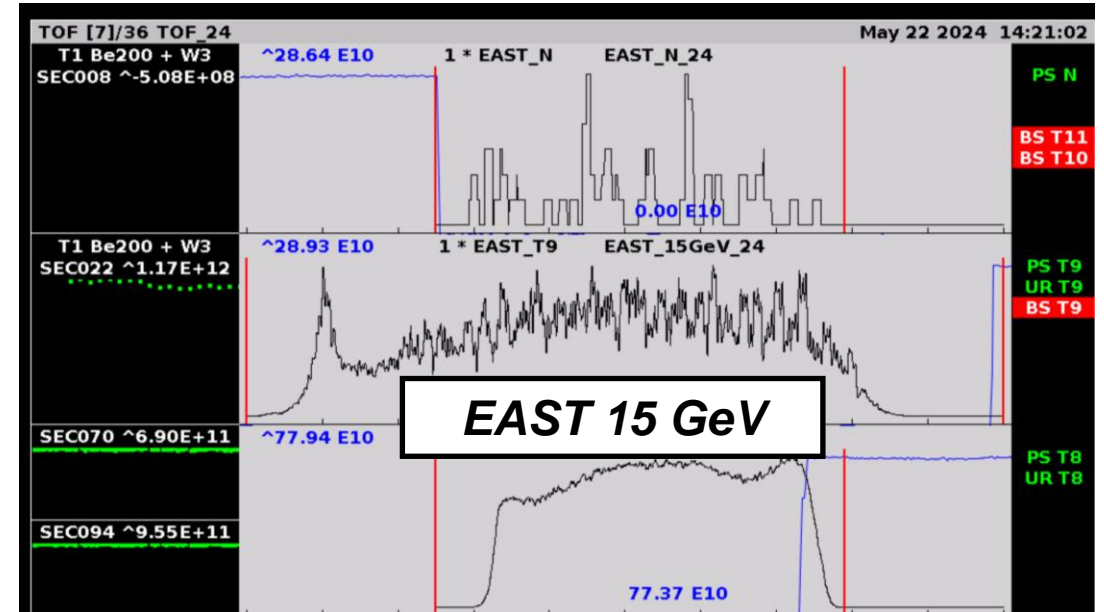
**Fault Duration (overlap excluded)**

**12.1h**

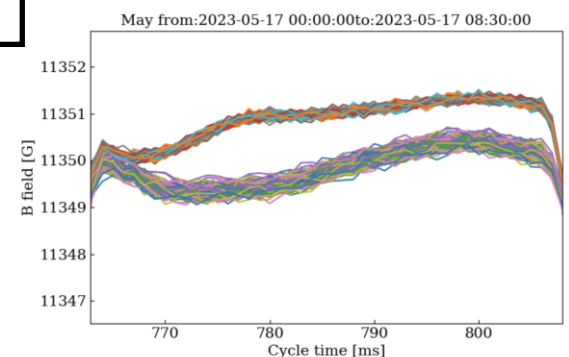


# Main issues and activities

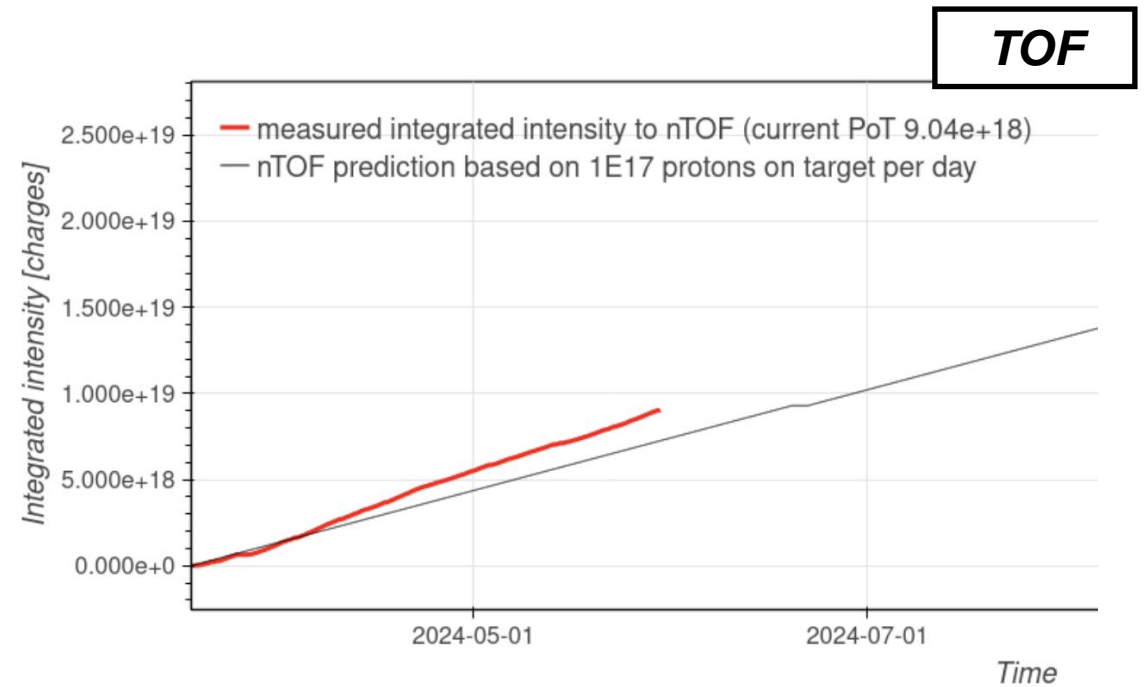
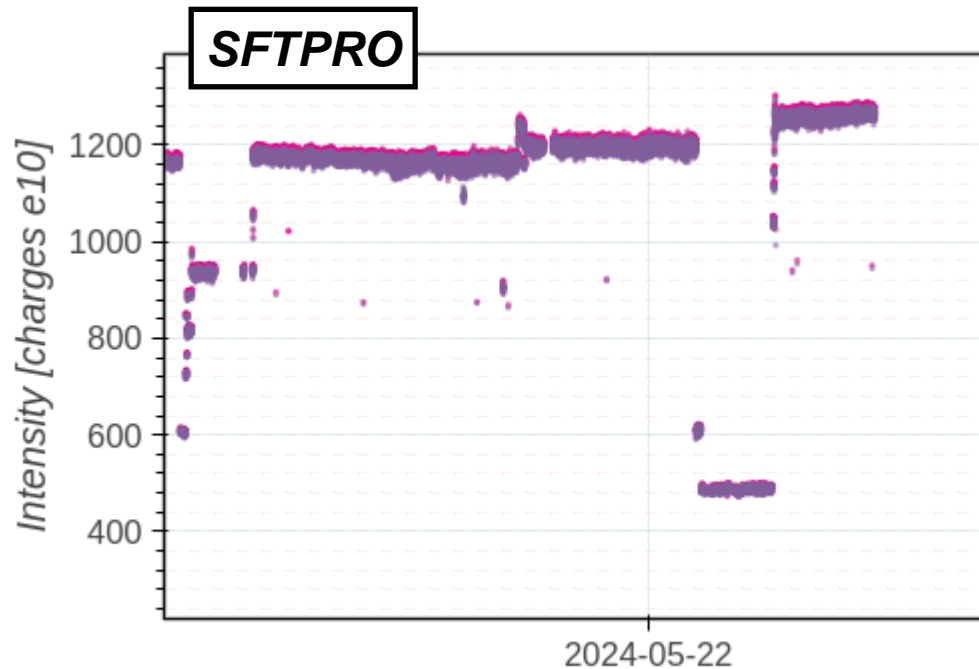
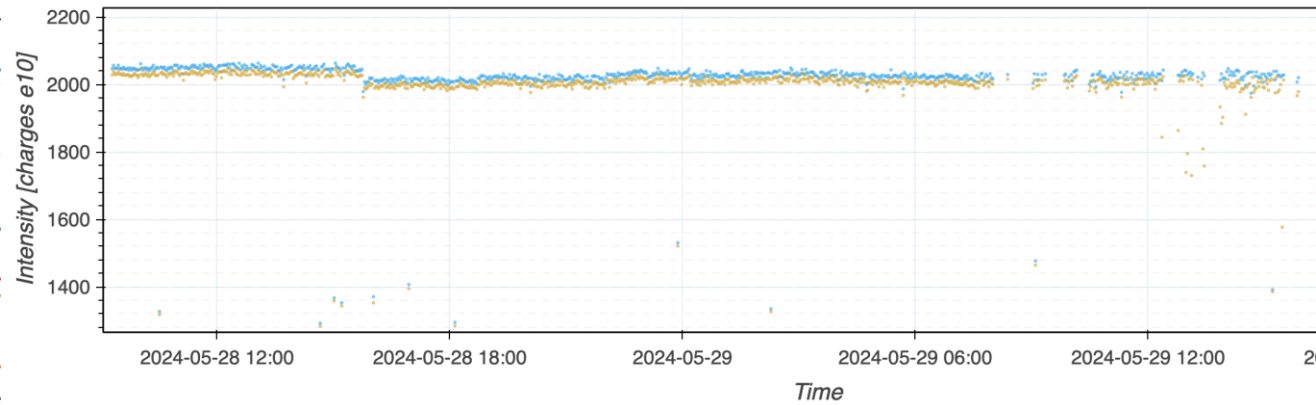
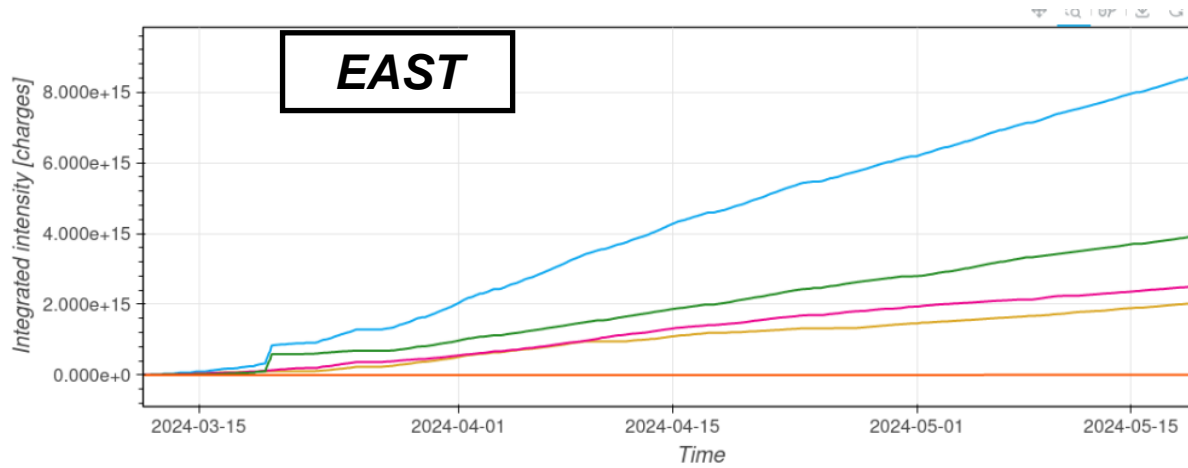
- **Good Availability: 94% since last Thursday**
- **Important Issues:**
  - **RF Systems Issues:** Problems with the relay gap C10-51 on Thursday were fixed by RF experts.
  - **Electrical Glitch on Sunday:**
    - Many systems tripped across the complex
    - Most downtime on T8 (quad required first line)
    - RF systems trip (coarse tuning) came back rapidly
    - Important effort from PS OP to restart AD.
  - **Beam Interruptions:** Several interruptions yesterday morning due to POPS-B trips caused by a false floor opening interlock.
  - **Resynchronization needed:** KFA45 (injection kicker) modules needed resynchronization, taking 1 hour.
  - **Beam Preparation:** Beam prepared for EAST T9 with a longer spill at 15 GeV.
    - **RFKO Extraction Test:** Conducted last Tuesday.
  - Follow-up on potential changes to PSB B train explaining issues from last week for orbit at injection



**Bfield at PSB Ej**



# Delivered intensity



# Questions and Comments

PS Coordinator for week 21 – **Denis Cotte**

PS Coordinator for week 22 – **Alexander Huschauer**



**9:00** live meeting at the CCC on Wednesday/Friday

Zoom link to follow the meeting on remote: <https://cern.zoom.us/j/9372114100?pwd=L29BcmIHUENCdFBRStXYVcrM1B4Zz09>

Meeting ID : 937 211 4100

Passcode: 525463