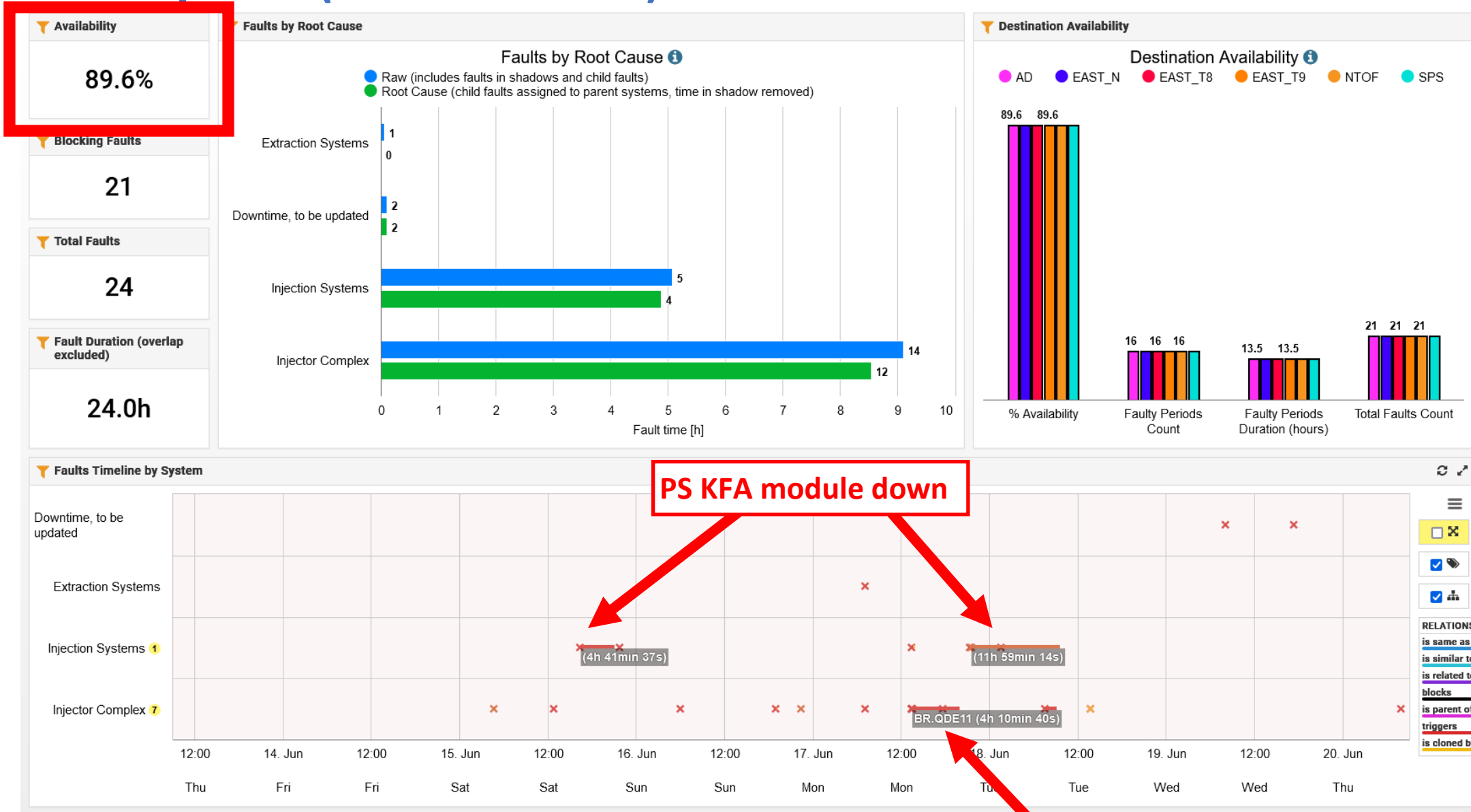


# PS Report week25



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

# Availability W25 (Thu – Thu 9am)

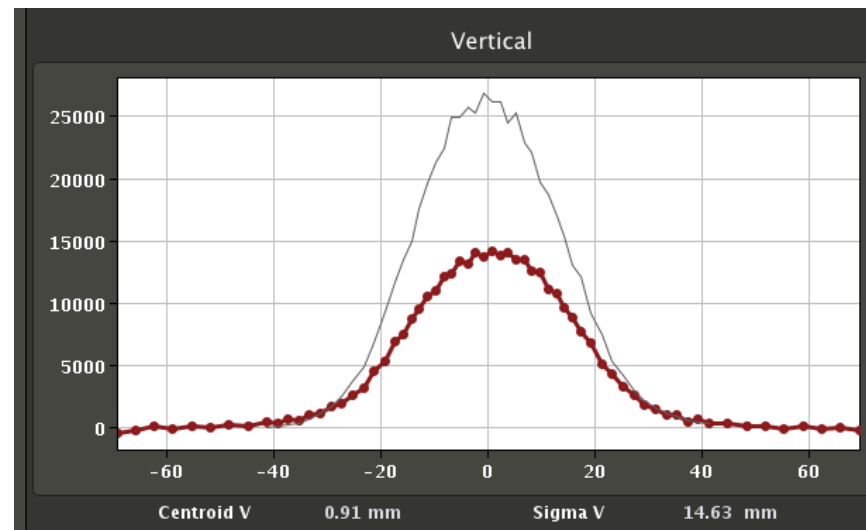
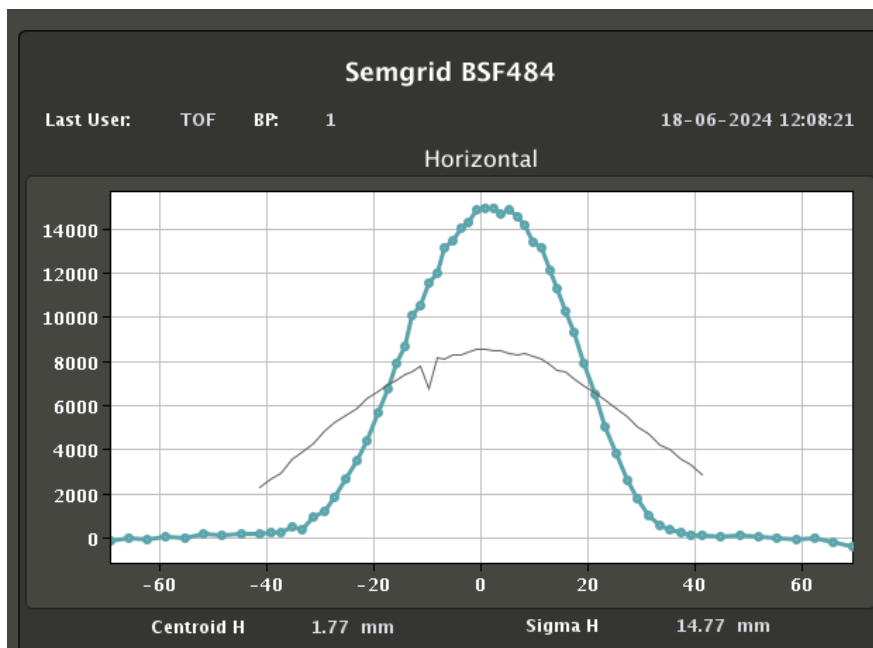


# Main issues/activities

Good availability and fair recovery from TS1. Some access required for PSB water leaks. Few issues with PS KFA on Sat and Tuesday leading to intermittent beam cuts.

## TOF beam sigma too small on target after switching to 44ns beam

- Tuesday morning tried switching to 44ns beam to TOF
- It was noticed early afternoon that beam-size was too small (~15mm)
- Beam size was just above SIS interlock limits (14mm/9mm) → limits to be reviewed
- TL optics had been reviewed to reduce beam losses following switch to 28ns beams – smaller dp/p spread with 44ns beam gives smaller dispersive contribution to beam size. Optics will need to be correct for 44ns beams.



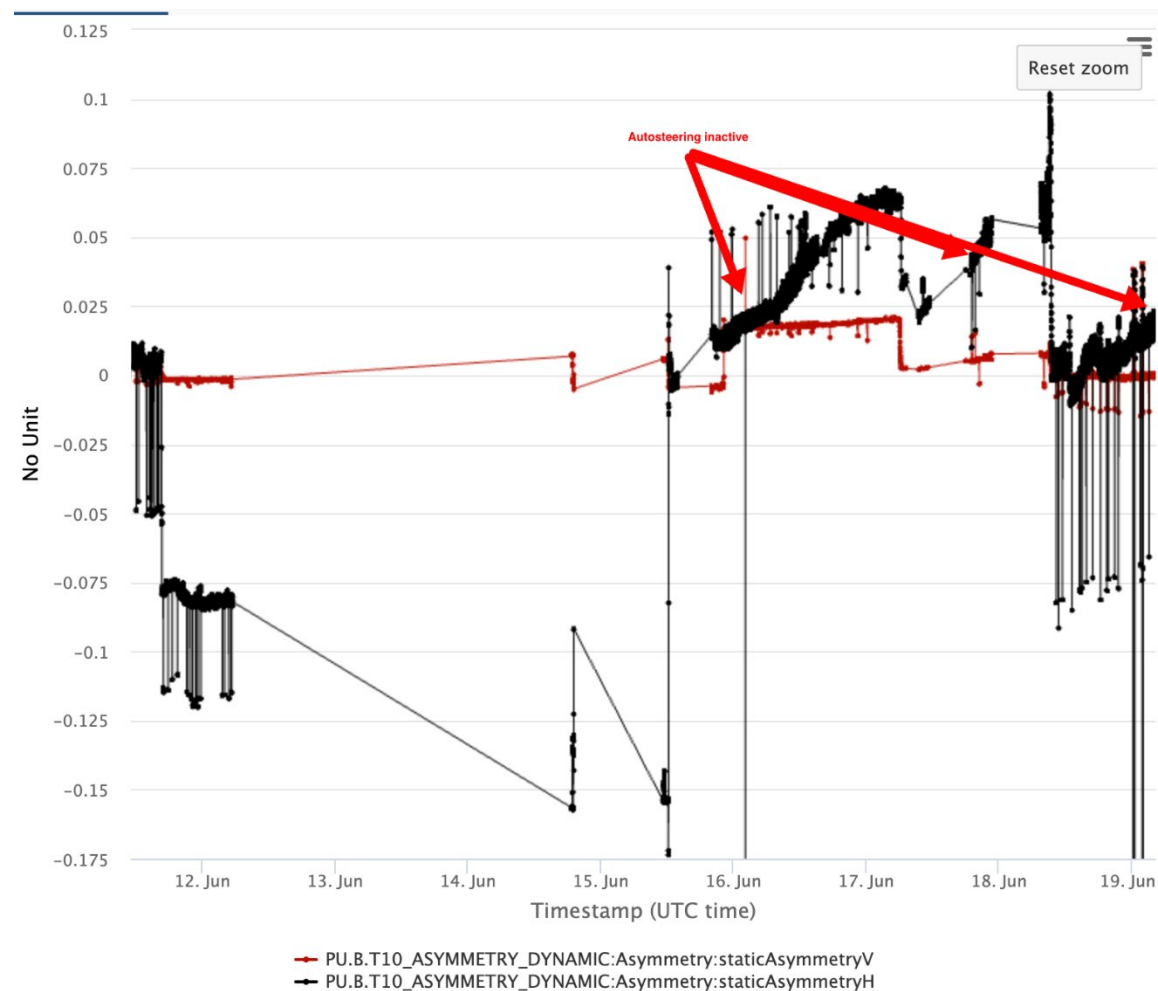
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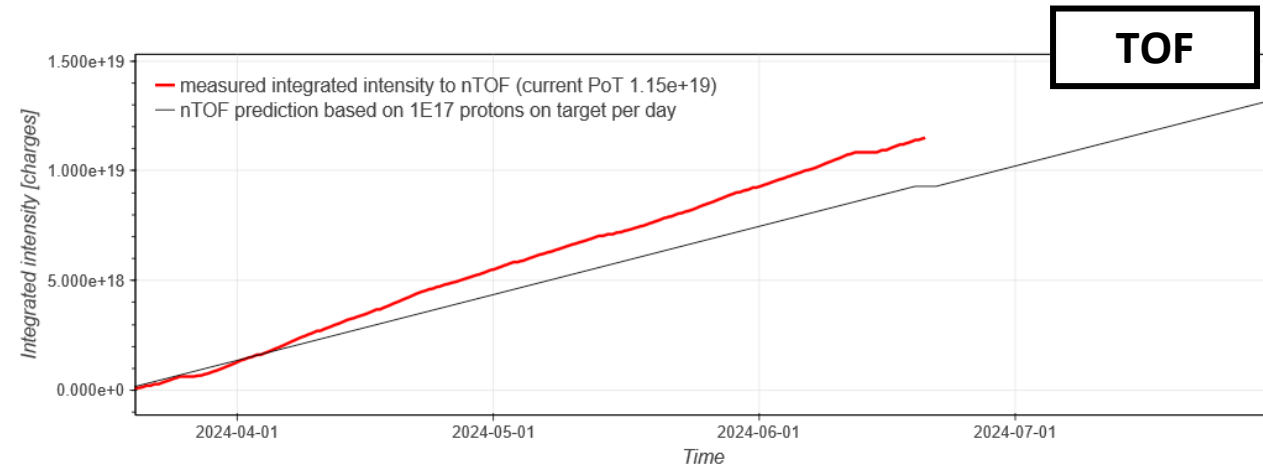
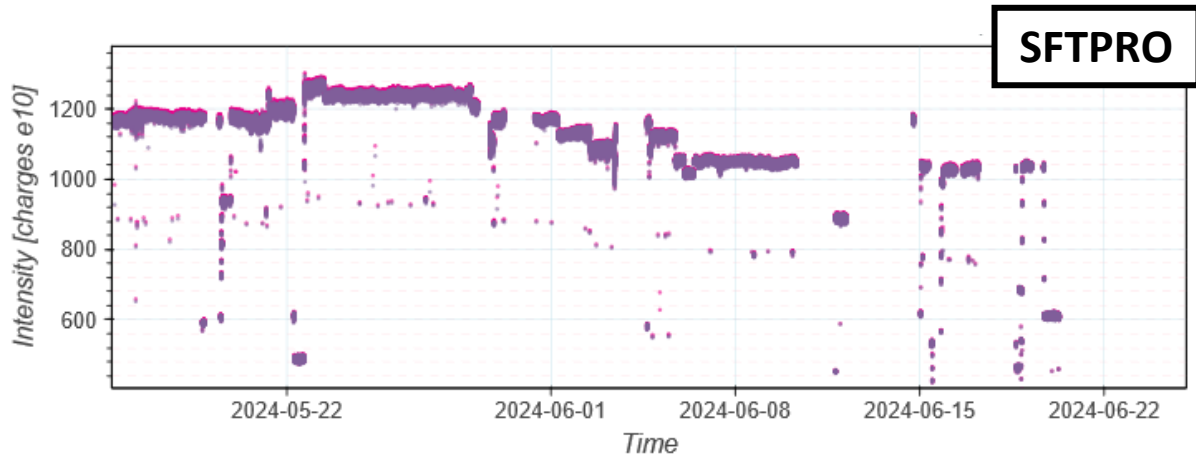
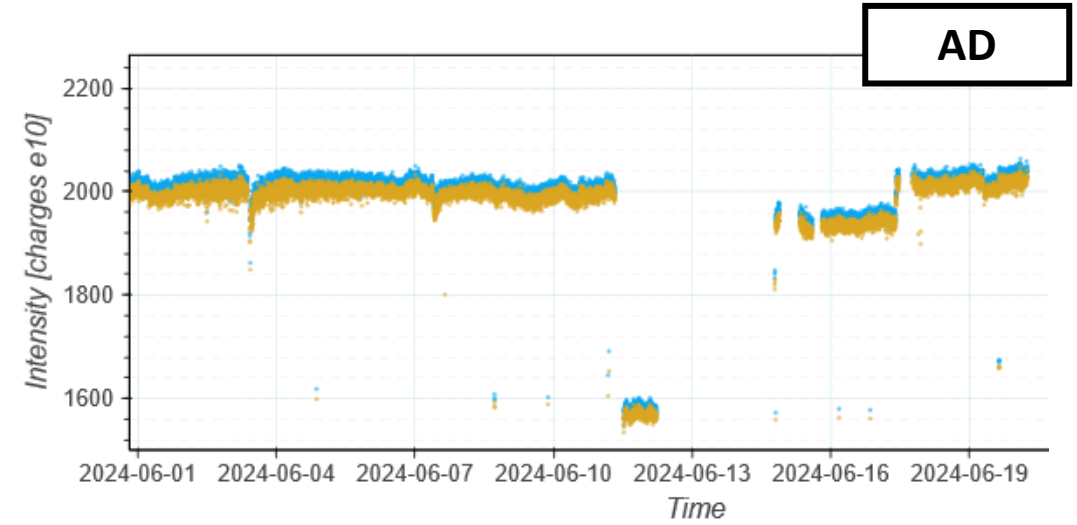
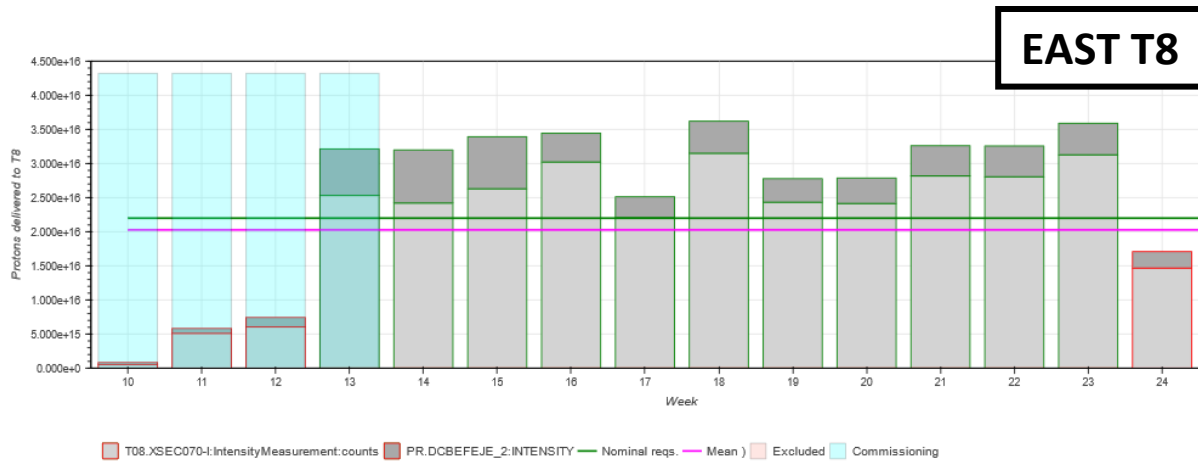
## East asymmetry

- Since end of TS1 Joe observed large drift of east asymmetry.
- Correctors used for autosteering eventually run out of strength.
- Wednesday morning autosteering corrector (F21.DHZ.011) reset to zero strength and asymmetry corrected downstream (T9: F63.BHZ001 / TN: F63.BHZ005) .
- Autosteering trims being monitored since reset. For now continuing to grow 0→50A (will see if trend continues of next days)
- Cause unknown, not evidently related to large shift of east asymmetry just before TS1.

Development continued by Denis on double-TOF beam



# Delivered intensity



# Questions and Comments?

PS Coordinator for week 24 – **Alex Lasheen**

PS Coordinator for week 25 – **Ewen Hamish Maclean**

PS Coordinator for week 26 – **Ruben Garcia Alia**



## **09:30 ON Monday: PS-MPC**

Zoom link to follow the meeting on remote: <https://cern.zoom.us/j/62700463149?pwd=VWdOd1U1UGgrQVICc2xNRkMwcFFoQT09>

## **09:00 WED and FRI: BC meetings**

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

Meeting ID : 937 211 4100

Passcode: 525463