

PS Report week 30/31



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

Beam availability Thu 9am – Thu 9am



Main Points

Excellent availability this week.

Main issues:

- A few short faults from Linac4 and PSB
- For EAST_T9: recurrent issues on T09.BHZ031 starting last weekend; Firstline changed to the spare Tuesday morning; switched back to the normal Wednesday morning after adjustment of some threshold
- Wednesday morning sudden beam loss at start of acceleration; might have been an INCA/LSA issue, as problem disappeared once the INCA/LSA server had been reloaded (was out of memory)
- Sudden voltage drop on 400 kV line yesterday evening (lightning struck an RTE line between Romanel and CERN); had to restart quite some equipment
 - PS was ready after ~20 minutes, but it took Linac4/PSB 45 minutes to recover
 - Required a specialist intervention to restart the 10 MHz cavity 46
- Gap relay of 10 MHz cavity 96 broke during the night and will be exchanged now (1h beam stop)

Development:

- Delivered 200 ms spill to users in EAST_T9 Monday night
- Beam for COLDEX
- Double TOF cycle tested with n_TOF, awaiting analysis
- Very dense machine development program this week, also due to NA magnet exchange; needed to update MD cycles with phase change and PSB-to-PS energy matching corrections

W28 coordinator: Y. Dutheil
W29 coordinator: B. Mikulec
W30 coordinator: A. Huschauer

Questions and Comments?



09:30 on Mondays: PS-MPC

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

09:00 Wed and Fri: PS morning meetings

Zoom link to follow the meeting on remote: <https://cern.zoom.us/j/9372114100?pwd=L29BcmIHUENCdFBRStYtXYVcrM1B4Zz09>

Meeting ID : 937 211 4100

Passcode: 525463