

PS Report week 13



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

Access planned next week on Monday

2 short accesses organized by Federico Ravotti to install foils for calibration of beam intensity:

- PS beam stop at 07:00
- Beam back for SPS at 07:45
- PS beam stop at 12:00
- Beam back for SPS at 12:45

Main issues / updates

- **Good progress of beam commissioning**
 - nTOF set up last week.
 - Beam permit not signed until Friday by RP.
 - Patrol on Friday around lunch time.
 - First beam to target planned on Saturday at 10:00.
 - Focus on EAST beams and LHC beams this week
 - Setting up of AD next week
- **Main issues**
 - Several issues on RF cavities are being worked on by experts, most of them fixed
 - F16.BHZ377/378 are tripping quite often since yesterday. This is followed up by the experts.

Status of operational beams

Fixed target beams	Status	Comment
SFTPRO (core only)	Fine adjustments	Sent to SPS at $50 \cdot 10^{10}$ p/p
SFTPRO (5 turn extraction)	Fine adjustments	Available up to $1.5 \cdot 10^{13}$ p/p
AD	To be started	
TOF	Fine adjustments	$850 \cdot 10^{10}$ p/p and 28ns at extraction
EAST	Setting-up	Beam sent on T9, N targets and to IRRAD Fast extraction
LHC-type beams	Status	Comment
LHCPILOT, LHCINDIV	Fine adjustments	Sent to LHC
LHC25 (3bp, 72b)	Fine adjustments	Sent to SPS at $2.3 \cdot 10^{11}$ p/b; Pushed up to $2.6 \cdot 10^{11}$ p/b
LHC25 (2bp, 12b to 48b)	Setting-up	Extracted with splittings and bunch rotation
LHC25 BCMS (48b)	Fine adjustments	OK at $1.4 \cdot 10^{11}$ p/b Pushed up to $2.3 \cdot 10^{11}$ p/b, tuning necessary to go beyond
LHC25 8b4e (56b)	Fine adjustments	Pushed up to $2.0 \cdot 10^{11}$ p/b
AWAKE		
HiRadMat		
ILHC (1b)		
ILHC (4b)		

Questions and Comments

PS Coordinator for week 13 – **Benoit Salvant**

PS Coordinator for week 14 – **Bettina Mikulec**



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