

PS User meeting W25 – “Beam Commissioning”

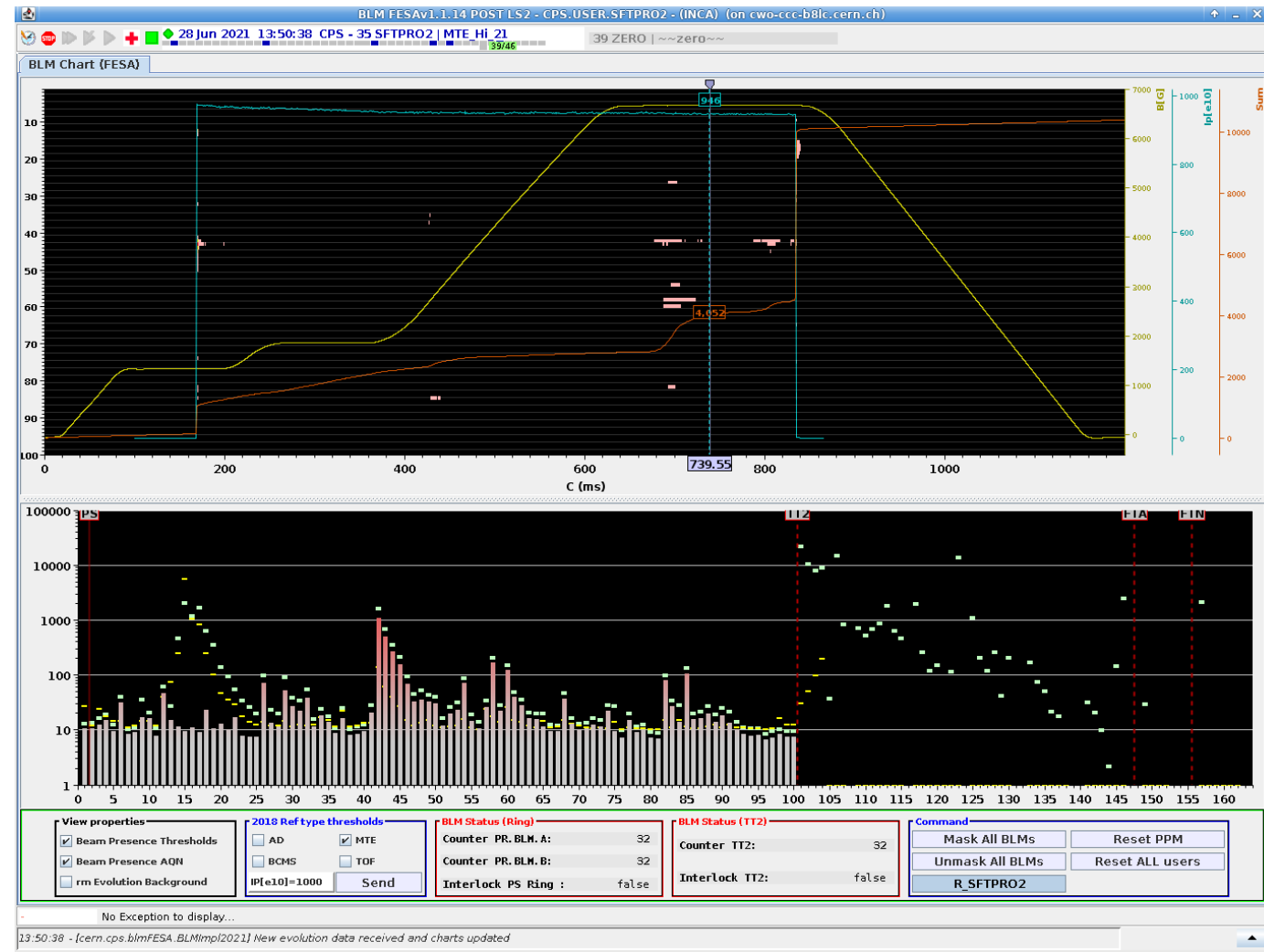


Summary of operational beams

Fixed target beams	Status	Comment
SFTPRO (core only)	Operational	Delivered to SPS at $\sim 6...7 \cdot 10^{11}$ p/p
SFTPRO (5 turn extraction)	Intensity increase	Low intensity $2-5 \cdot 10^{12}$ p/p delivered to SPS, setup at $1.2 \cdot 10^{13}$ p/p yesterday
AD	Operational	$1.4 \cdot 10^{13}$ p (and lower intensity flavours 1%, 20%)
TOF	Setup	Until $600e10$ p/b, extracted to D3, BR setup
EAST	Setup	Basics, parasitic TOF to D3, EAST bunch internal dumped at 24 GeV

High-Intensity SFTPRO

- Intensity $1e13p/p$:
- Injection losses optimized
- Ring-by-ring injection steering
- Low-energy tune correction tidied up
- Work on high-energy losses ongoing
 - HE-orbit correction not beneficial
 - different radial position neither
- Slow losses at flat bottom when increasing intensity to $1.2e13p/p$



EAST setup

- cycle generation
 - PFW settings prepared for the cycle
 - some issues with QSE, XSE fixed
- tune + chromaticity measurements

PFW study campaign

- tune + chromaticity measurements for variations of each PFW circuit on flat-bottom cycle

