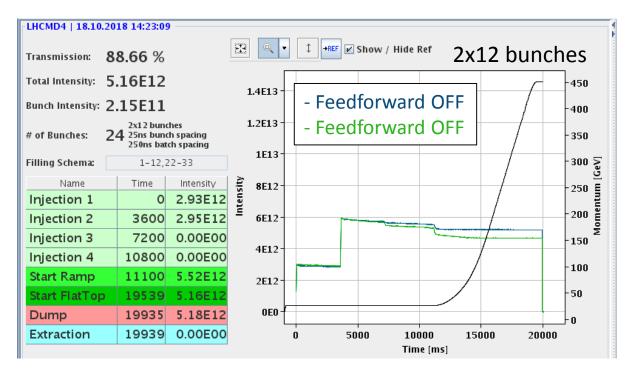
SPS status

SPS operations team

MSWG, 19.10.2018

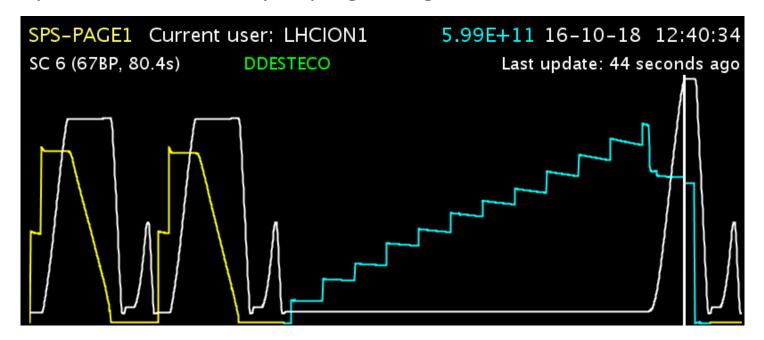
SPS overview – LHC beams

- Successfully competed high beta run last week with excellent quality of van der Meer beams – thanks to the injectors
- BCMS beams for LHC filling nothing special
- Preparation of LHC MD beams ongoing
 - 8b4e with 1.6e11 p/b prepared yesterday
 - 4x12 bunches with 2e11 p/b ongoing struggling with longitudinal stability

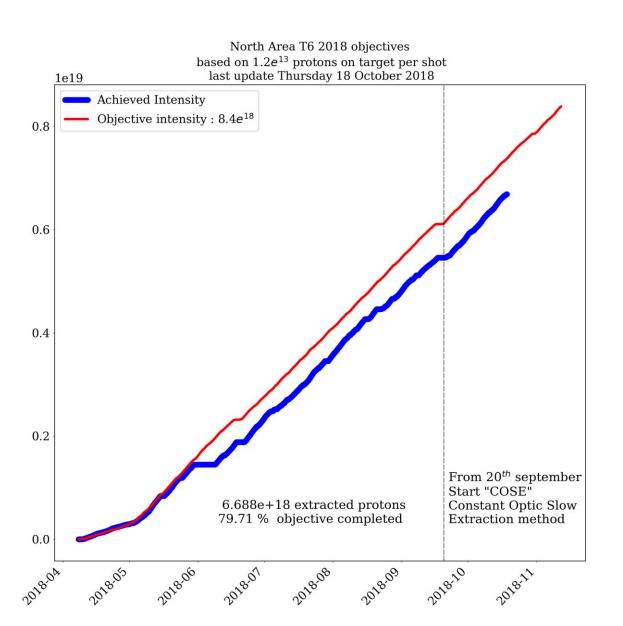


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- Preparation of LHC ion cycle progressing well



SPS overview - SFTPRO



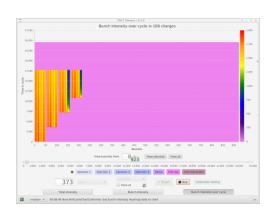
MD highlights

Crab cavity MDs

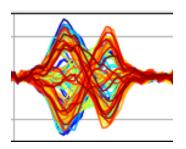
- 1 MV in both cavities
- Transparency shown (with 1 MV in each cavity)
- Measurement of HOMs, beam loading
- "Scrubbing" with 25 ns beam at 26 GeV

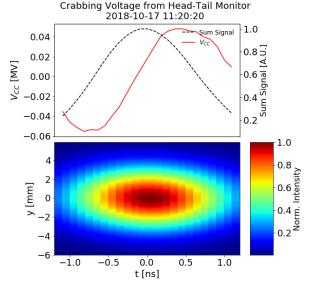
High intensity LHC beams

- Horizontal instability with 4x48 bunches (>2e11 p/b)
- New damper settings with wide tune acceptance
- Headtail mode 1 and mode 2 observed depending on chroma settings
- Stabilization with high chroma or medium chroma and octupoles









ADT data

