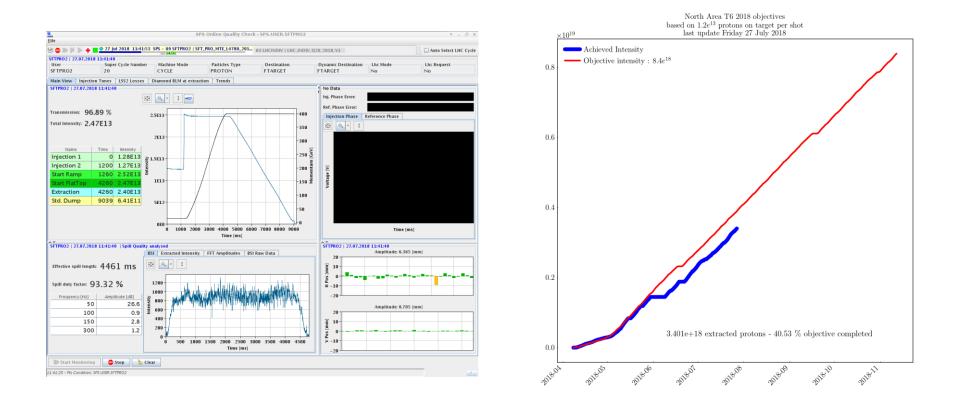
SPS status

H. Bartosik for SPS operations team

MSWG, 27.07.2018

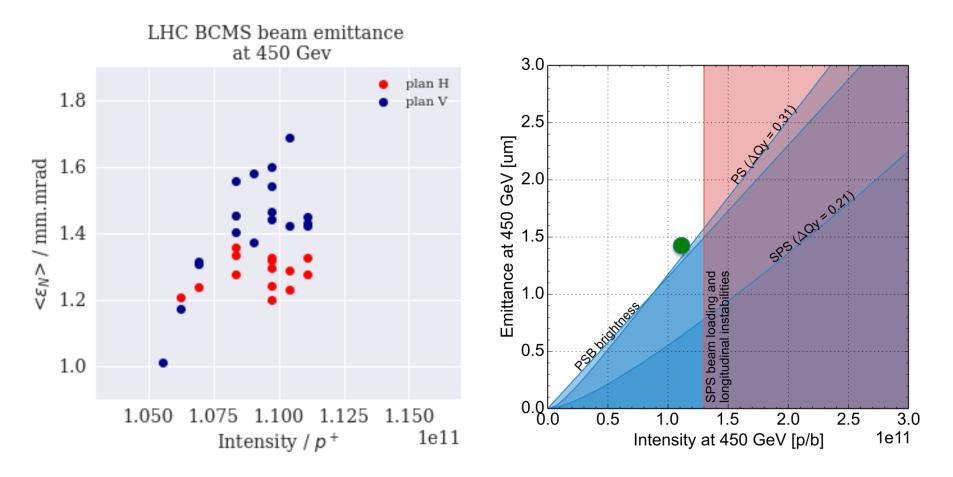
SPS overview

- SFTPRO
 - Sometimes island splitting not ideal for second cycle (being investigated)



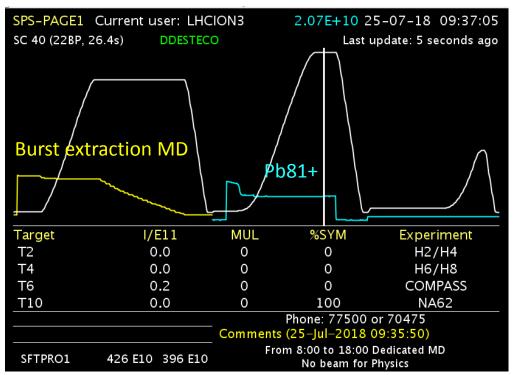
SPS overview

- SFTPRO
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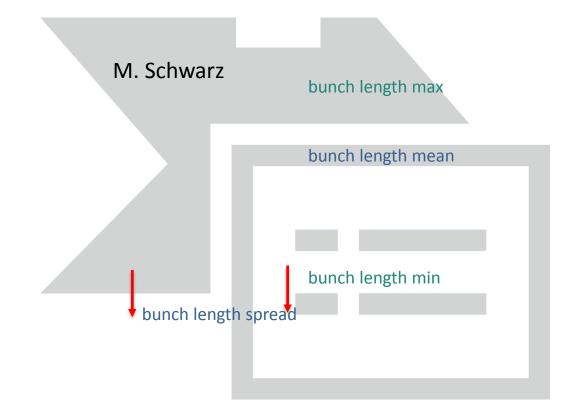
SPS overview

- SFTPRO
 - Sometimes island splitting not ideal for second cycle (being investigated)
- LHC beams
- LHC MD week
 - Highlight: partially stripped ions (Pb81+) injected and accelerated in the LHC in view of gamma factory proposal – lifetime at LHC flat top around 40 hours



Dedicated MDs

- Crab cavity MD
 - First attempt of measuring a3 RF multipole errors
- BCMS beams with 2.2e11 p/b and variable longitudinal emittance
 - No direct improvement of flat bottom losses with smaller longitudinal emittance
 - Clear observation of longitudinal instability on flat bottom to be studied in more detail



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- Slow extraction MDs
 - TT20 optics measurements
 - COSE (Constant Optics Slow Extraction)
 - Burst mode

