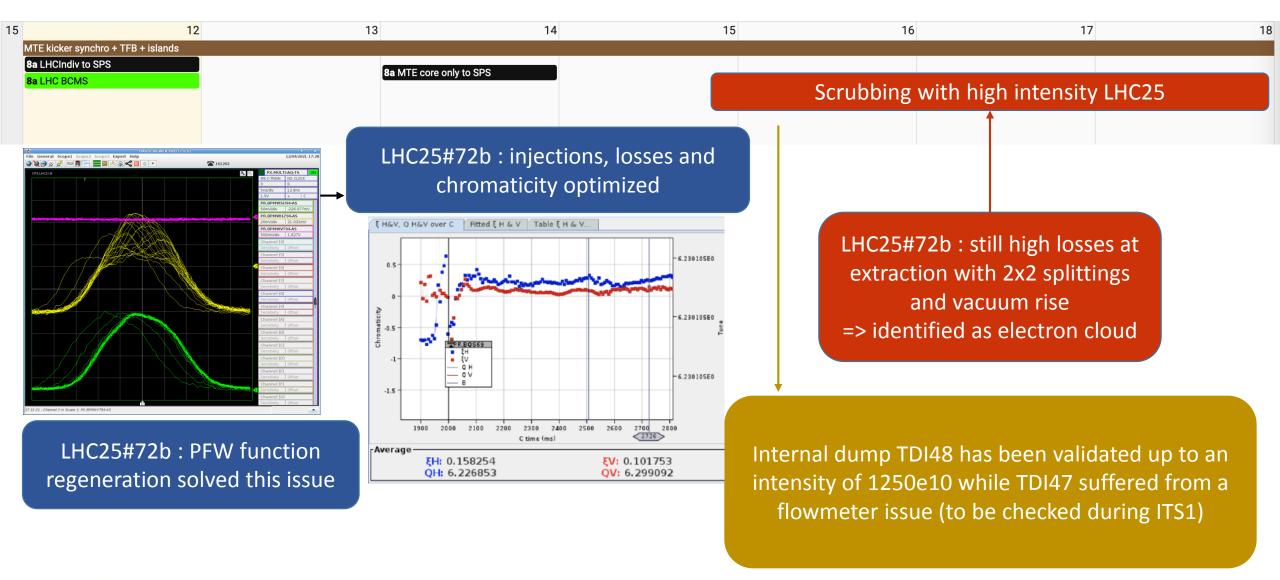
PS Report W15 – "Beam Commissioning"



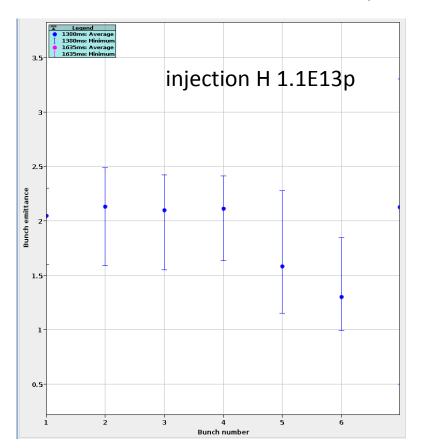
Many thanks to: Fernando, Patrick, Mike, Antoine, Thierry, Pieter, Alvaro, Didier, Thibaut, Denis, Frank, Raul, Vincent, Fabrice, Abdel, Oliver, Stephane, Jeroen, James, Yves, Fulvio, Quentin, Gilles, Raul, Jean-Marc, Todor, Carlo, Heiko, Alexander, Matthew, Ana, Olivier, Dominique, Anthony....

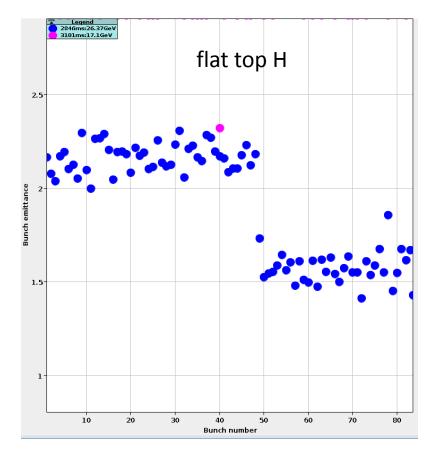
Beam commissioning (2021 week15)



Wire scanner emittance studies

- With specialist help (predefined settings), we manage to perform measurements
- LHC25#72b injection and flat top
- clear difference 1st/2nd batch as expected values still to be verified





Some details / Work in progress

- All along the week, several tests have been performed on DFAs (242 and 254) in order to check acquisitions, PPM behaviour and different limits of the system
- POPS still in degraded mode all week (intervention planned during TS1)
- MTE core only 50e10 for SPS on Thursday basically ready
 - longitudinally all OK
 - some optimization of extraction ongoing, but not critical
- LHCIndiv also ready with TT2 trajectory as desired by SPS

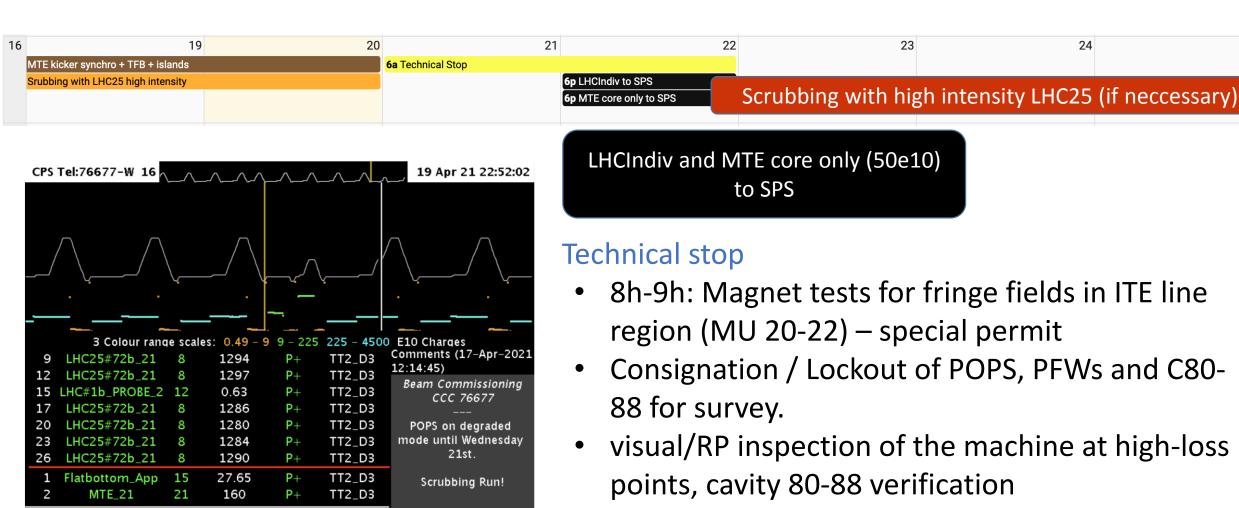
PS External Area – Door opened

- Found open on Sunday by HSE-RP
- Door unlocked seal on the ground
- ⇒ intrusion in supervised area by someone in possession of a key during operation without informing OP
- gas bottle found inside the zone
- Zone patrolled and closed, sealed
- HSE-RP confirmed that bottle not treated as radioactive waste
- Restarted beam
- BE-DSO, EN-ACE, BE-OP and HSE-RP informed
- Planning (with EN-ACE) to remove the bottle during this TS
- Internal Accident Report (A2 form) completed





Beam commissioning (2021 week16)



BE Beams Department | Operation

TT2_D3

TT2_D3

LHC25#72b_21

LHC25#72b_21

80 MHz fast tuner test

vacuum sublimation

Questions and Comments

Planning: Started weekly coordination rota
Please contact Coordinator of the week - **Heiko Damerau**



8:45 Daily Zoom meeting during BEAM commissioning

Web address: https://cern.zoom.us/j/9372114100?pwd=L29BcmlHUENCdFBRSytXYVcrM1B4Zz09

Meeting ID: 937 211 4100

Passcode: 525463