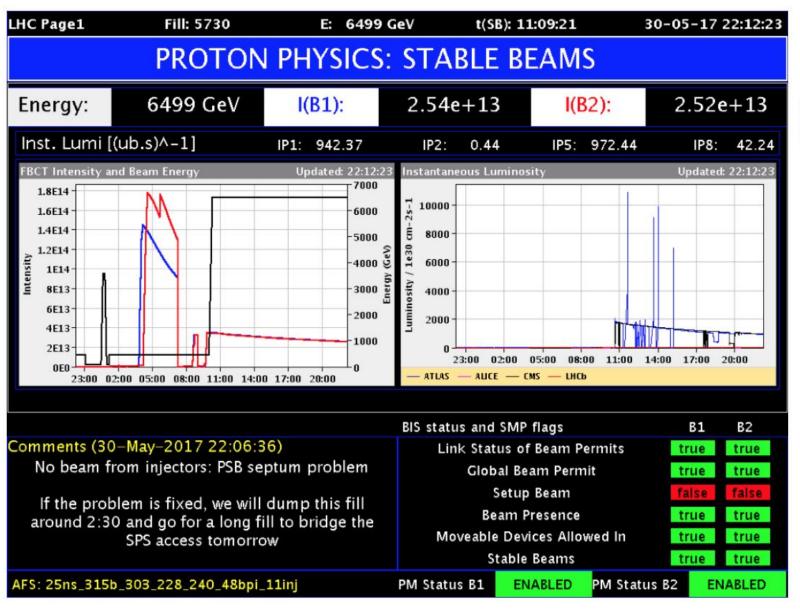
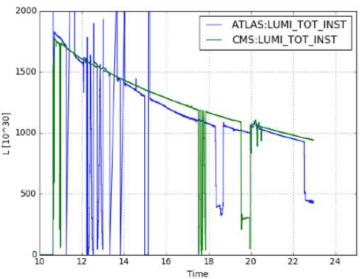
# LHC status and plans

E. Bravin

#### Status

- Machine commissioned with 300 bunches
  - Last fill done using 48bpi BCMS
- 24 hours of pre-scrubbing show heat load higher in S12 as expected following the venting
- Still few items left in the commissisoning
  - Crossing angle levelling to be finalised
  - SIS interlocks to be refined (also BPM collimators)
  - VdM cycle (VdM run ~ in one month)
  - Injection of long trains
  - Scrubbing





First fill of 2017 with BCMS beams

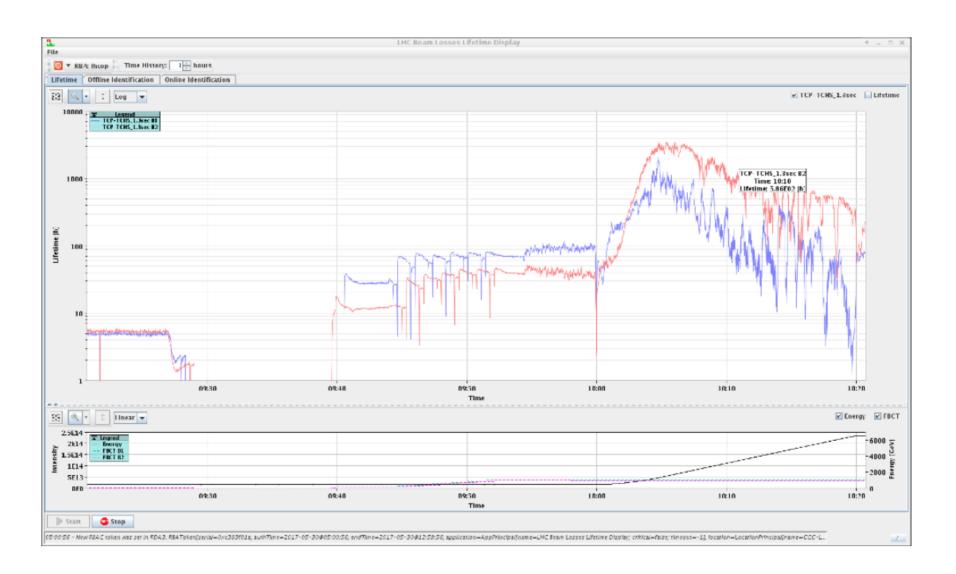
315b (48bpi) 303 colliding in IP1 and IP5.

lb= 1.1E10

Initial lumi ~1.8E33

Not too bad!

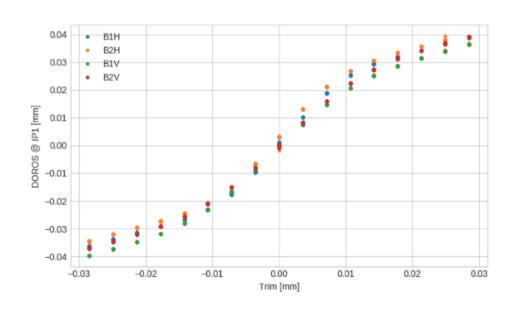
## Losses during the ramp (B1)

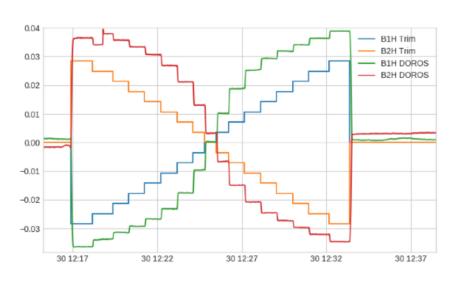


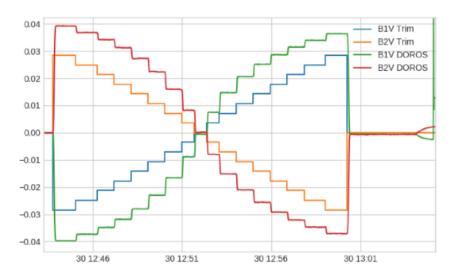
### BI pending issues

- WS not operational (possibly solved today)
- DOROS BPM "linearity" both at the IPs and on the collimators to be understood/cured
- BPM glitches to be understood
- BRAN IP5 acquisition stuck twice in the last week
- FBCT stuck again few days ago
- BSRT need to change the gain control in FESA and do a proper calibration
- Blindable BLM test (this week)
- BLM HV drop in IR3 (problem seen during off momentum loss maps)

## DOROS BPM non linearity IP1







#### Plan

- Continue the intensity ramp-up
- Third 300b fill
- Move on to 600b then 900b
- Scrubbing run from Tuesday morning
- Physics, intensity ramp-up