

SPS Hardware commissioning

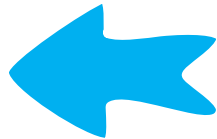
8 December 2020

James Ridewood & Stéphane Cettour Cavé

BE-OP-SPS

Planning of closure

- Tuesday 1 December afternoon
 - Pre-patrol of the machine (EN-ACE, HSE-RP & BE-OP)
- Thursday 3 December evening
 - Access switched to restricted access and control from CSA to CCC
- Friday 4 December afternoon
 - “Mise hors tensions” progressively removed
 - Normally no (or very few) access foreseen thereafter
- Monday 7 December
 - Full patrol of SPS ring by BE-OP ...then BE-ICS DSO prep tests
- 8 -10 December
 - SPS ring DSO tests
- 11 December onwards – HWC: HV tests, EPC mains and aux tests
- W50 Starting EPC tests BA7 and TI2



Planning W51

- Main Power Supply tests
 - Single test start on dipole stations
- Aux power supply tests
 - T18
 - T12
 - BA5
- SBDS Local pulsing start
- Check PCs Hiradmat, heat run, polarity
- Start checking instrumentation
- At the end of week we put the machine in closed mode for the Christmas closure

Issues encountered

- EPC Cable 1850 m open circuit between LSS3 and LSS4
 - Concerns primarily the control and status of quadrupole busbar “couteau” switches, Delta I main dipole
 - No immediate impact on HWC planning
 - ~1 week’s work to pull new cable
 - EN-EL have kindly organised to work nights in W2 to avoid a planning impact

New SPS OP zoom

- Due to some technical issues we have had to replace SPS OP zoom meeting room
- 8h30 every weekday morning
- <https://cern.zoom.us/j/6929444357?pwd=bFk2OHdYUXA4NnhiQjcyQ2p0VGxnZz09>