

Friday 20 February, 2009

PS 2008/9 Shut down progress report: Summary of shut down from 4 Friday until now.

Tunnel closed: 20/Feb
Magnet tests: 23/Feb – 06/Mar
Hardware tests: 09/Mar – 20/Mar

Access

Modify PS Access to Card Access with Keys. Transfer Access Control from CSA to CCC today 20/Feb.

Access System Maintenance

D.101-102-111-121 (1 day/door) Key distributor, card reader, communications, door locks, controls, etc.

SMH and SEH

SMH16-SMH26-SMH42-SMH57 Bake-out is on going.

Vacuum Maintenance

SS01 Installed 2 new Vacuum chambers instead of 1.
Intervention on Electron cloud chamber. SS84
New vacuum chamber for QFO105. (First quad in TT2 line) installed at beginning January.

Kicker Maintenance done

RF Maintenance

RF Bye-pass removal and reinstallation, measured.
US/DS = Up stream/Down stream.
SS01 US/DS, SS23 DS, SS24 US/DS, SS26 DS, SS27 US, SS54 US/DS, SS58 US/DS, SS59 US,
SS64 US/DS, SS65 US/DS, SS66 US, SS68 US/DS, SS69 US/DS, SS70 US/DS, SS71 US, SS72
US/DS, SS73 US, SS84 US/DS, SS85 US/DS, SS99 US/DS, SS100 US
Calibration of RF pick-ups
Replacement of a faulty tuner on cavity PSC80-08.
Intervention on final amplifier PSC80-89. SS89

Beam Instrumentation PS

Re-cabling of radial control PU's 22, 36, 51, 96.
Re-cabling of wideband electrostatic pick-up in SS94.
Re-cabling of transverse feedback pick-up in SS98.
BLM Calibration of 188 monitors.
Wire Scanners (Flying wire)SS54 repair and calibration.
Wire Scanners (Flying wire)SS64 repair and calibration.
Wire Scanners (Flying wire)SS65 repair and calibration.
Wire Scanners (Flying wire)SS85 repair and calibration.
MTV Camera maintenance
SEM Grid Installation new PLC control. in/out of PLC has been tested from bldg 365:
PR.MSF42,48,52,54, H et V, and ralentisseur PR.RAL 12. :PLC name CFP-365-GRID.

Beam Instrumentation TT2

MTV Camera maintenance
MTV Replacement of radiation tinted viewing ports. FTA.MTV9031, FTA.MTV9043
MTV Installation 2 new OTR 230 & 240.
MTV Turn tank MTV218 and replace screens.
MTV Replaced MTV352 by new tank + mecanism
General BI maintenance
FT16 MSG257 Checked connector.

MTE

TT2 Kicker modifications. Done (See TT2 planning)

Re-cabling in PS tunnel plus buildings 355 and 365. done

Identify and tag all cables modified in building 365

Elimination of isolation drawers in building 365

Reconfiguration to the new configuration of Doublets A and B new circuits in tunnel and building 365

Re-cabling QSE new circuit in tunnel and building 365

Re-cabling BSW23 new circuit in tunnel and building 365

Re-cabling BSW31 new circuit in tunnel and building 365

Re-cabling QKE16 in building 365

Re-cabling Triplets in tunnel and building 365 (to be connected next week)

Re-cabling BSW57 in tunnel and building 365

Re-cabling XSE in building 365

Re-cabling QKE16CT25

Re-cabling QKE16CT73

Re-cabling ODE in tunnel and building 355

Displacement of SMH16 & SMH26 power supplies from building 367 to 359 plus cabling

Radiation Door 102-PO129 & Door 111-PO128 Conformity modifications. done

Survey alignment

Alignment coordinated with magnet refurbishment program, includes MU's and SS's. done.

Magnet maintenance and reconfigurations

Modification of the MTE Octupole protection covers

Magnets S07, R29 and T25 have been refurbished last and became the reserve magnets.

Magnet U14 remains in reserve. It was not re-used this year.

All the latest information concerning the PS shutdown will be obtainable via the EN-MEF-ABA (ex-AB-ABP-RTL) web pages:

Planning and all shutdown news : <<http://ab-dep-abp.web.cern.ch/ab-dep-abp/RTL/Accelerators/PS.html>>

From Monday 23/February until Friday 27/March we will be in PS Magnet and Hardware Test mode:

[PS Test Hardware Planning 2009](#)