

-BOOSTER SHUTDOWN 2008/2009-

WORK PROGRESS

PERIOD from 30/01/2009 to 13/02/2009:

1. Tasks planned according to schedule : <https://edms.cern.ch/document/976116/>

Task n.14 :VELO project:

- Programming new timing for synchronisation to Booster ejection → in progress;
- Cables installation between BCER and VELO project (close to Booster Dump) → ended;

Task n.29: Correcting Ring Dipoles (BR.DIP)

- Cables installation + linking → ended;

Task n.32: Vertical Ring Pick-ups (BR.UES)

- Cables installation + linking → in progress (length problem);

Task outside Shutdown schedule: Vacuum Control refurbishment

- Cables installation + linking → ended (waiting for tests);

Task n.37 et 38: Fast Wire Scanners (horizontal +vertical)

- Calibration → ended;
- Reassembly in Booster → ended;

Task n.39: Beam Lost Monitors :

- Reinstallation in Booster → ended (waiting for tests during Test Hardware period);

Task n.49 : SEM-Grid intervention: → in progress;

Task n.52: Replacement of Brown View ports (MTVs) : → ended;

Task n.59: Bake out and vacuum reestablishment:

- All Booster sectors are ok, excepted two leaks found (Friday 13/02) in BR20 sector:
 - 1 on FWS manifold → repair on progress;
 - 1 on Impedance Clamp replaced on BR2.BHZ32 → repair on progress;

Task n.62: Lift interlock : → in progress;

-Following a meeting involving: Maintenance sub-contractor, EN-HE, GS-ASE, DSO and BE-OP, a solution to modify the lift automatism is in writing (Safety Committee); so that EN-HE may validate and proceed to lift modification in accordance with the RP notice (forbidding all access to -3 level during the Booster Run) .

Some compensatory measures are studied for the period between the Booster start-up and the full work of the new lift automatism;

Task n.74 et 79: Demineralized-water cooling circuits: → ended;

-Waiting for tests with water pressure. A first test (outside shutdown schedule) will be performed Monday 16/02 in the afternoon;

Task n.83: Connection plait change on bendings: → ended;

Task n. 99: Transverse Feedback caballing check-up and case tests:

-Tests Transverse Feedback case → ended;

-After the case dismantling a mechanical intervention has been decided → in progress;

Task n.102:BR.BHZ impedance measures :

-Data collection and reduction → ended;

- 1 clamp changed in BR2.BHZ32 → ended;

2. Unexpected tasks and detected problems during the shutdown :

-Vacuum leak found at the end of BTP line (between BTP.DHZ40 and BTP.DVT50) → ended (waiting for electrical and magnetic field checkout);

-A demineralized-water leak found on BT.BHZ10, investigation and repair on progress (more new from Monday 16/02).

NB: for all tasks or events, please refer to e-logbook: CPS_shutdown_news/PSB: Shutdown.