

Feedback from W48

MACHINE STATUS: *4th/5 weeks of the BOOSTER COLD-CHECKOUT – 2nd & last week of Magnet Covers Consolidation (W47/48)*

Hardware-Test and Cold-Checkout during Week 48:

- Wide-Band Puck-up test → Tomoscope, BSM and OASIS ready;
- BT.BHZ10 reliability run to check it in full PPM-Mode. Pre-pulse OK in positive (to DMP/ISOLDE), missing in negative (to PS);
- Issue with BTY.BVT101 External Condition → solved;
- Recombination Kickers External Condition behaviour issue → solved;
- FGC_62 firmware has been updated by TE-EPC Controls;
- Reliability Run of the systems used for the Matching monitor → a few missing pulse have been observed (3/11k) → investigation in progress for TE-ABT specialists;
- Dry-runs with BTTRIC and watchdog → mainly working, minor issue investigation in progress;
- Fast Interlock Dry-Runs: Everything finally worked! except for the BT.BHZ10.BTM (2Q power converter, when PS in access mode) → power-converter issue, investigation in progress for TE-EPC;
- BIS remaining investigation → POPS-B (whenever unlocked) and RFHL (Thursday 03/12) → almost everything is validated;
- BE-BI: BI.DIS10 EMC investigation follow-up. Investigation still ongoing → validation TBC;

Remaining issue to be fix/fixed in week 49:

- The cleanliness of the Booster (see back-up slide)
- The Booster Auxiliary circuits will be unlock out as from Tuesday 01/12;
- POPS-B Main Transformer plate forgotten → will be reassembled on Monday and Tuesday, the unlock out will follow.

Issue raised in the W48:

- Change of the BR2.BWS4L1: **Yet to be solved (When??? TBC);**
 - After investigation BE-BI suspects a problem with the tank housing the BWS;
 - BE-BI is studying a solution;

Thanks a lot to all of you!!

We are getting there!

Feel free to join the **Daily ZOOM Chat-Room at 9:00** (L4-PSB-OP-DESK:
<https://be-dep-op.web.cern.ch/en/content/op-desk-zoom-rooms>).

Back-up Slide: HSE-RP + SMB + BE-OP + EN-ACE machine visit and cleaning

