

PPS Readiness for Stable Beams



MPP Meeting

5 April 2024

Mario Deile

- XRP Alignment successfully completed in the night 3 – 4 April
- Positions and limits communicated to D. Mirarchi and M. Solfaroli

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Pot          motor (LVDT) warning dump IPL

XRPH.D6R5.B1 1.429 (1.428) 1.328 1.228 1.228
XRPH.A6R5.B1 1.321 (1.323) 1.223 1.123 1.123
XRPH.E6R5.B1 2.357 (2.369) 2.269 2.169 2.169
XRPH.B6R5.B1 2.647 (2.605) 2.505 2.405 2.405

XRPH.D6L5.B2 1.724 (1.754) 1.654 1.554 1.554
XRPH.A6L5.B2 1.799 (1.824) 1.724 1.624 1.624
XRPH.E6L5.B2 1.921 (1.892) 1.792 1.692 1.692
XRPH.B6L5.B2 0.249 (0.274) 0.174 0.074 0.074
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- Loss maps pending
When done, inform us that Override key can be turned off

→ If loss maps ok, ready for stable beams

Unrelated to Stable Beams Operations: Vertical Pot Problem



In alignment run:

The pot **XRPV.B6L5.B2** Top showed a resolver problem:

- Resolver shows wrong, impossible position (end of the scale, right on the outer limit)
- Motor and LVDT positions correct, no interlock issue
- Pot refused to move, could not be used for calibration run

- This pot is not used in stable beams (not in HW group)
→ no issue for operation

But we would like to debug the problem on days without beam (e.g. accesses) where we could move it. This would require switching temporarily **OVERRIDE** on and getting limites opened.

→ hope to repair problem in TS1 for next calibrations