



FMCM Commissioning Status

- **Hardware commissioning**

- RMSI.R8 FMCM test was performed twice while experiencing PM data acquisition problems remain.

- **Beam commissioning**

(Pilot beam @ 450GeV)

- The tests of **RBXWTV.L2, RQ4.LR3, RQ5.LR3, RQ4.LR7 and RQ5.LR7** have **passed**.
- The tests of **RD1.LR1, RD34.LR3, RD1.LR5 and RD34.LR7 (RPADO PC)** were not successful: unable to trigger a BD due to a ramp down of the circuit too smooth.
 - All tests passed in 2017 with pilot beam @ 450 GeV.... (11/05/2017)
 - **RD1's -> potential solution by slightly lowering the threshold.**
 - **RD34's -> larger margin between IDiffSim and the threshold, empirical tests could be done to lower the threshold allowing future tests to be performed at 450 GeV.**

- **Other issues (not critical)**

- "FMCM_ISA: PM_FMCM_ANALYSIS failed" -> caused by a warning threshold error on RD1.LR5.
- PM data for IDiffSim signal not acquired for RQ5.LR3.

**➔ Items to be followed in the coming YETS
No showstopper to take pilot beam 3.5 TeV**

