

Summary of BLM hardware, naming and threshold changes in TS2

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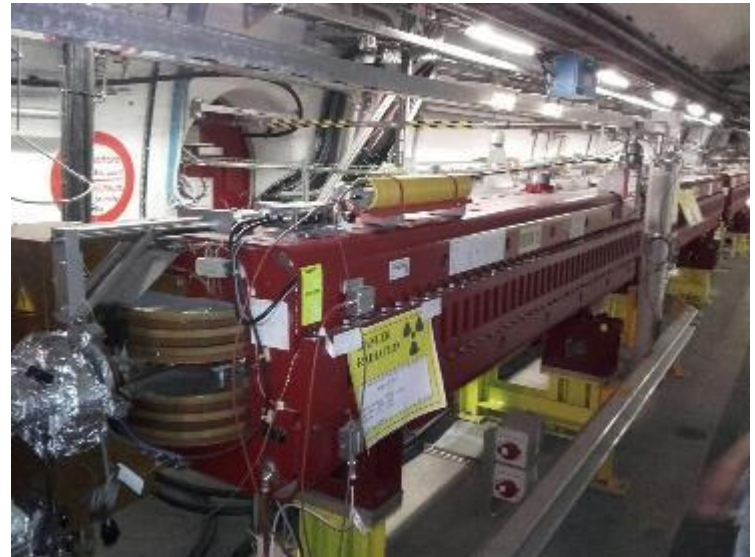


Summary of Work Done During TS2

- 2 New BLMs installed in IP1 on MBXW.A4L1 and MBXW.A4R1
- The RC filter of BLMTI.04R8.B2E10_TDI.4R8.B2 exchanged in IP8
- 2 New diamond detectors installed in IP2 and IP8 transfer line, LHC-BLM-EC-0005
- BLECF reset in A25L1
- 11 expert names for XRP and XRP related monitors changed
- MBRC families unified
- Visit and preparation in IP8 to finalize ECR of “Optical Beam Loss Monitor at 8L8”

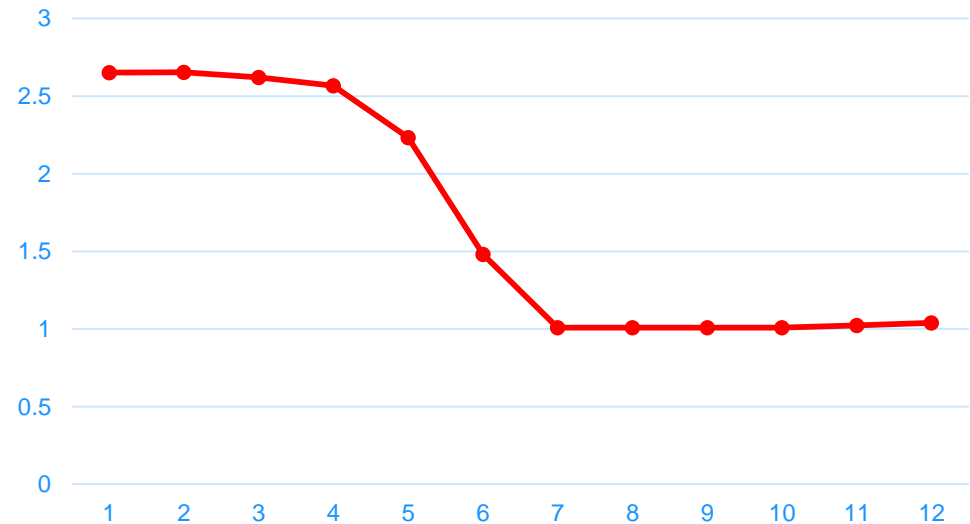
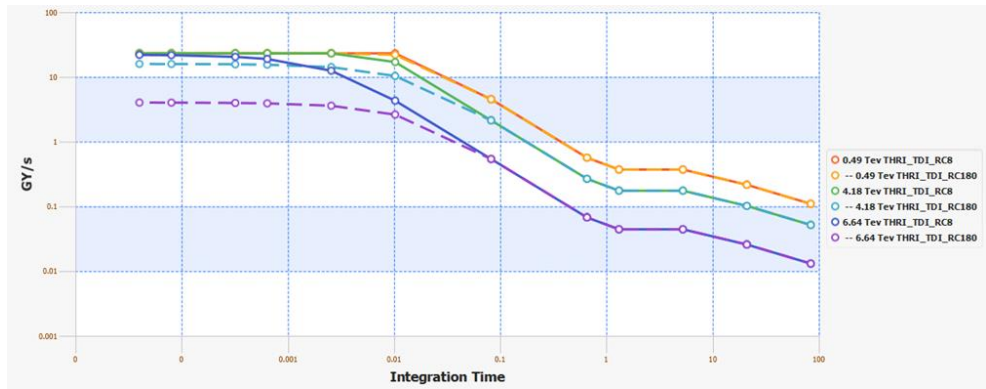
Installation of D1 monitors

- Two new monitors, BLMAI.04L1.B1I10_MB XW.A4L1 and BLMAI.04R1.B2I10_MB XW.A4R1 were installed
- Monitors are initially placed in THRI_DRIFT family with MAX master thresholds and MF=1.0
 - Not connected to BIS



Change of RC filter in 04R8

- Modifications of the SPS extraction kicker rise time in LSS4 during the YETS15/16, a different production scheme in the PS (standard vs. BCMS) and a shorter MKI pulse due to sparking issues => Increase of losses at the TDI
- Change of RC filter from $C=2.2\text{nF}$ to $C=47\text{nF}$
 - Allows more losses for RS01-04
- IP2 was more urgent, filter was changed in 19/08/16
- Details in LHC-BLM-ECR-0053



Change of Expert Names

- To unify the naming of monitors on XRP's, 11 name changes were made

Old Name	New Name
BLMEI.06R1.B1E 20 _XRP.B6R1	BLMEI.06R1.B1E10_XRP.B6R1
BLMEI.07L1.B2E10_XRP	BLMEI.07L1.B2E10_XRP.A7L1
BLMEI.07L1.B2E 20 _XRP- RUN1	BLMEI.07L1.B2E10_XRP.B7L1
BLMEI.07R1.B1E10_XRP	BLMEI.07R1.B1E10_XRP.A7R1
BLMEI.07L1.B1E 20 _XRP- RUN1	BLMEI.07L1.B1E10_XRP.B7R1
BLMQI.04L5.B2E10_MQY- XRP	BLMQI.04L5.B2E10_MQY
BLMQI.06R1.B1E10_MQML	BLMQI.06R1.B1E10_MQML_XRP
BLMQI.06R1.B1E20_MQML	BLMQI.06R1.B1E20_MQML_XRP
BLMQI.06R1.B2I10_MQML	BLMQI.06R1.B2I10_MQML_XRP
BLMQI.06R1.B2I20_MQML	BLMQI.06R1.B2I20_MQML_XRP
BLMQI.06R1.B2I30_MQML	BLMQI.06R1.B2I30_MQML_XRP

Unification of MBRC families

- Monitors from obsolete THRI.LS.P12_MBRC_MF family were moved to standard THRI.LS.P12_MBRC family
- LHC-BLM-ECR-0055

