

Monitor name	ratio 3*quench
BLMQI.09L7.B2I10_MQ	9.00
BLMEI.09L7.B2I30_MBB	8.07
BLMQI.08L7.B2I10_MQ	6.80
BLMQI.08L7.B2I30_MQ	5.06
BLMEI.09L7.B2I21_MBB	4.37
BLMQI.11L7.B2I10_MQ	3.10
BLMEI.11L7.B2I30_MBB	2.95
BLMQI.15L7.B2I10_MQ	2.88
BLM2I.11L7.B2I24_MBA_MBA	2.84
BLMEI.09L7.B2I21_MBA	2.65
BLMEI.09L7.B2I24_MBA	2.46
BLMEI.09L7.B2I22_MBA	2.40
BLMEI.09L7.B2I22_MBB	2.22
BLMEI.09L7.B2I23_MBA	2.17
BLMEI.09L7.B2I25_MBA	2.15
BLMQI.17L7.B2I10_MQ	1.97
BLMQI.08L7.B2I20_MQ	1.78
BLMQI.09L7.B2I21_MQ	1.55
BLMQI.09L7.B2I22_MQ	1.46
BLMQI.11L7.B1E30_MQ	1.12
BLMEI.11L7.B2I21_MBA	1.10
BLM2I.11L7.B2I22_MBA_MBA	0.93

**B2 HOR loss cold magnets**

**factor to reach  
3\*quench: 24**

Monitor name	ratio 3*quench
BLMQI.09R7.B1E10_MQ	9.02
BLMQI.08R7.B1E10_MQ	8.01
BLMEI.09R7.B1E30_MBA	7.09
BLMQI.11R7.B1E10_MQ	6.22
BLMEI.09R7.B1E21_MBA	5.39
BLMEI.09R7.B1E22_MBA	4.67
BLMQI.27R7.B1E10_MQ	4.58
BLMQI.08R7.B1E30_MQ	4.19
BLMEI.09R7.B1E21_MBB	4.03
BLMEI.09R7.B1E23_MBA	4.02
BLM2I.11R7.B1E23_MBB_MBB	3.88
BLMEI.09R7.B1E22_MBB	2.80
BLMEI.09R7.B1E23_MBB	2.76
BLM2I.11R7.B1E24_MBB_MBB	2.50
BLMQI.08R7.B1E20_MQ	2.44
BLMEI.09R7.B1E24_MBB	2.21
BLMQI.09R7.B1E21_MQ	1.97
BLMQI.27R7.B1E20_MQ	1.92
BLMEI.11R7.B1E22_MBA	1.61
BLMEI.11R7.B1E30_MBA	1.57
BLMQI.10R8.B1I10_MQML	1.44
BLMEI.09R7.B1E25_MBB	1.39
BLM2I.11R7.B1E23_MBA_MBA	1.18
BLMEI.11R7.B1E21_MBB	1.00
BLMQI.11R7.B1E21_MQ	1.00

**B1 HOR loss cold  
magnets**

**factor to reach  
3\*quench: 17.5**

factor to reach 3*quench: 24	
Monitor name	ratio 3*quench
BLMEI.06L7.B2I10_TCLA.D6L7.B2	1.13
BLMEI.07L7.B2I10_TCLA.A7L7.B2	1.12

**B2 HOR loss  
collimators**

factor to reach 3*quench: 17.5	
Monitor name	ratio 3*quench
BLMEI.06R7.B1E10_TCLA.D6R7.B1	3.52
BLMEI.07R7.B1E10_TCLA.A7R7.B1	2.50
BLMEI.06R7.B1E10_TCLA.C6R7.B1	2.43

**B1 HOR loss  
collimators**