

○ Fill 1424: 2010.10.16 – 03:23:49

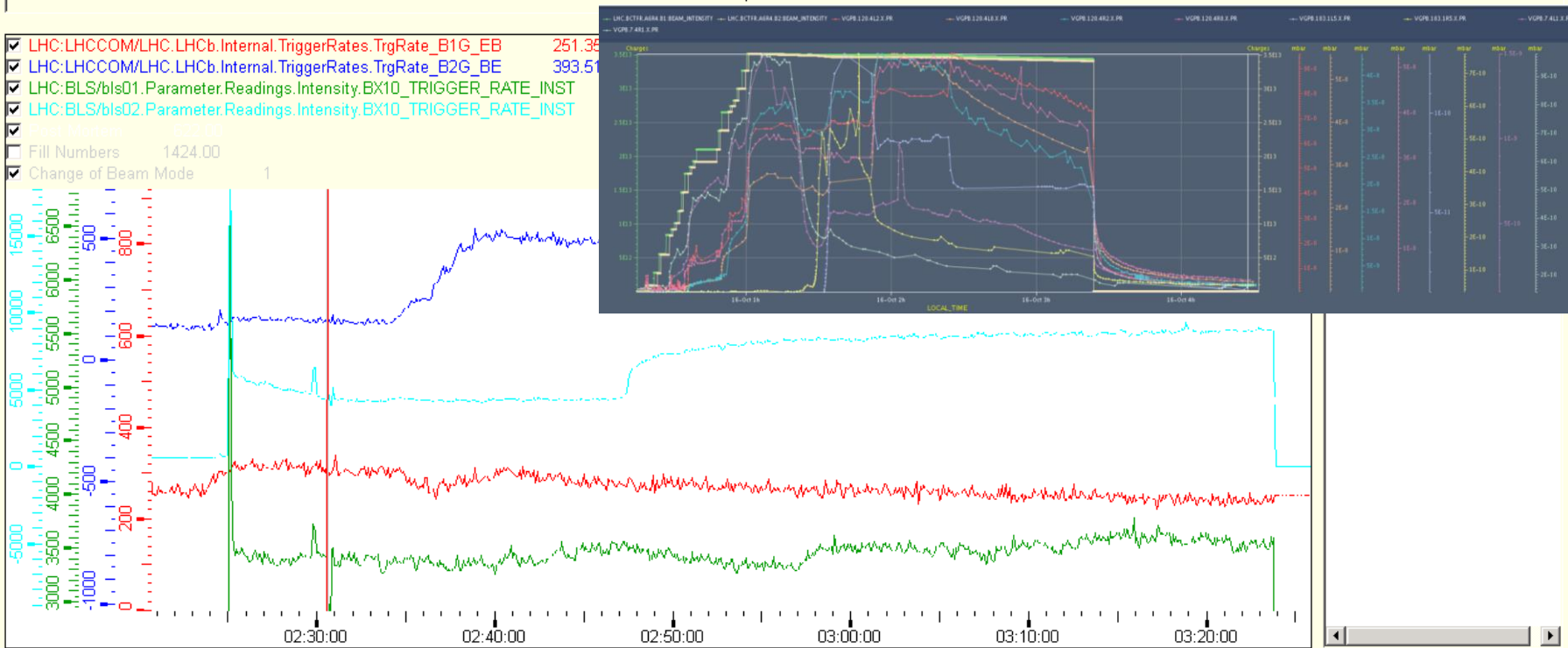


LHCb Experimental Conditions Analysis Tool - Trending Page

Period of Analysis:

From 16/10 0:17 to 16/10 4:16

FillNumbers, 1424 on 16/10 at 0:17



Logarithmic Scale

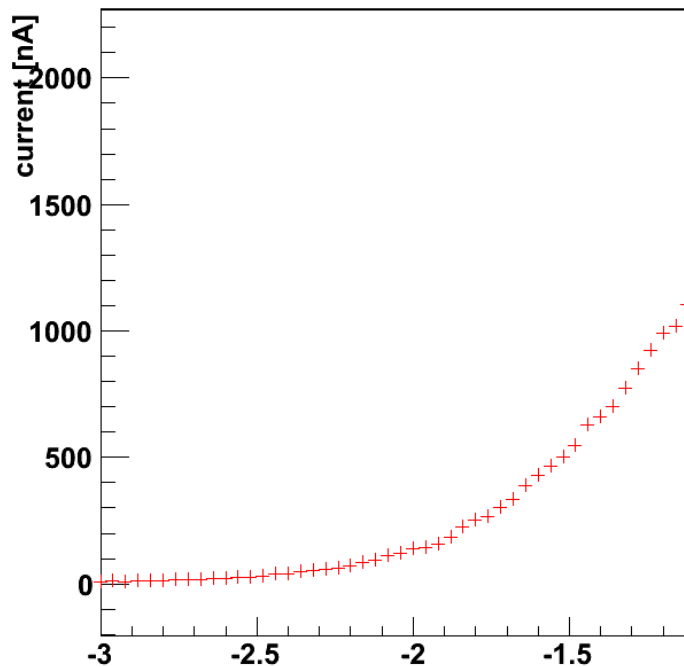
Machine Modes

Beam Modes

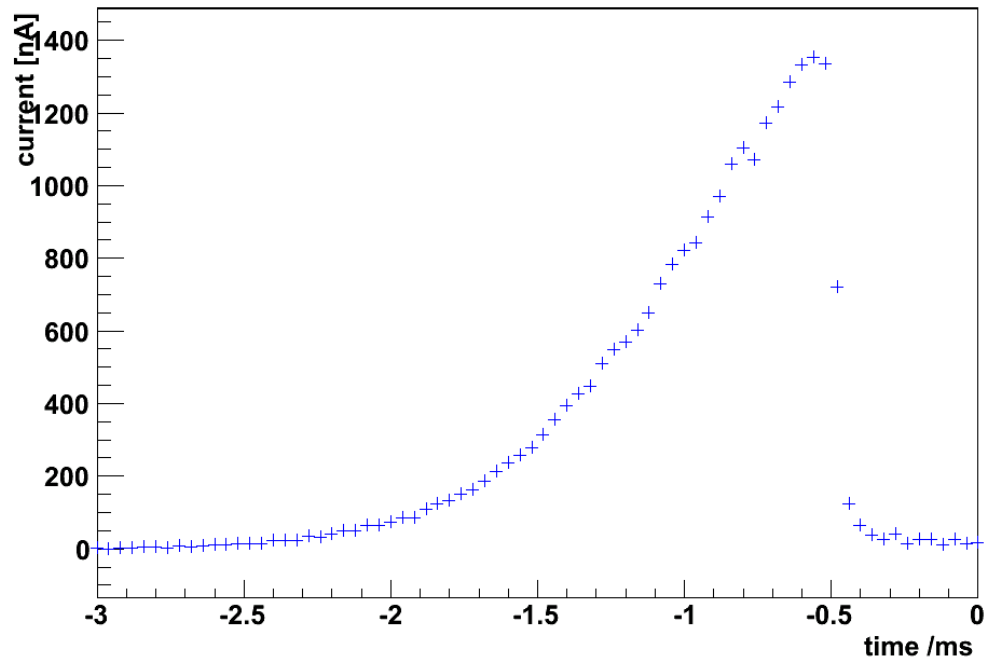
Post Mortem

LHCb BCM Dump

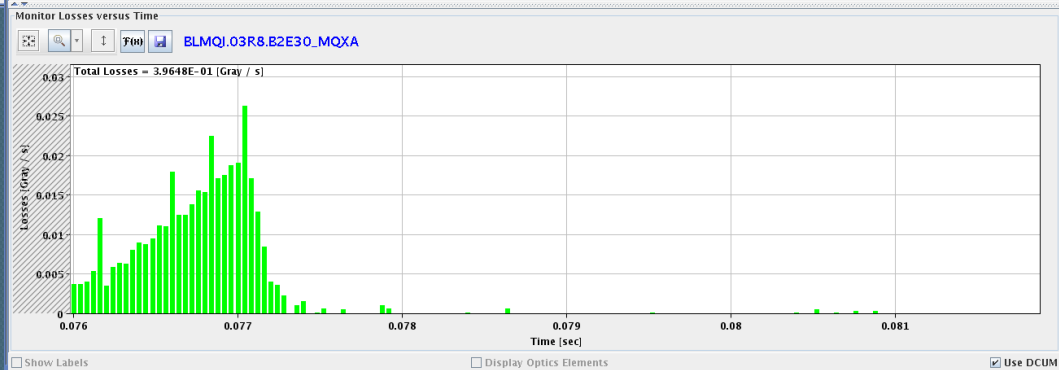
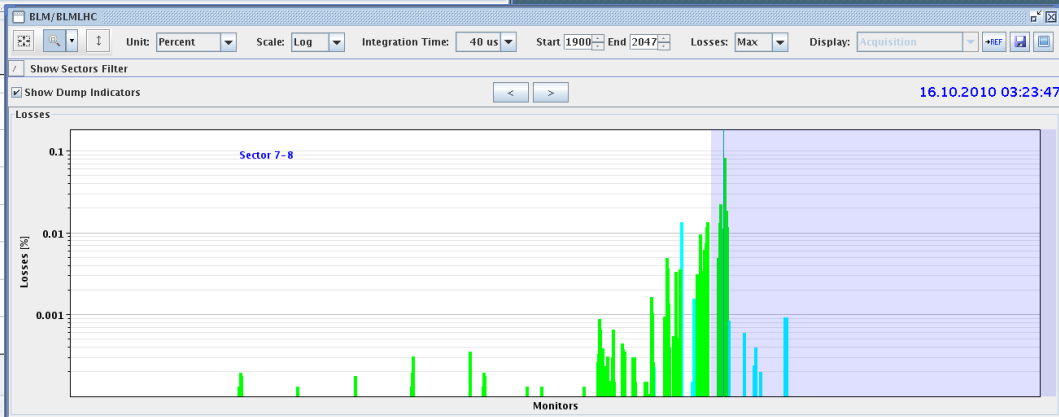
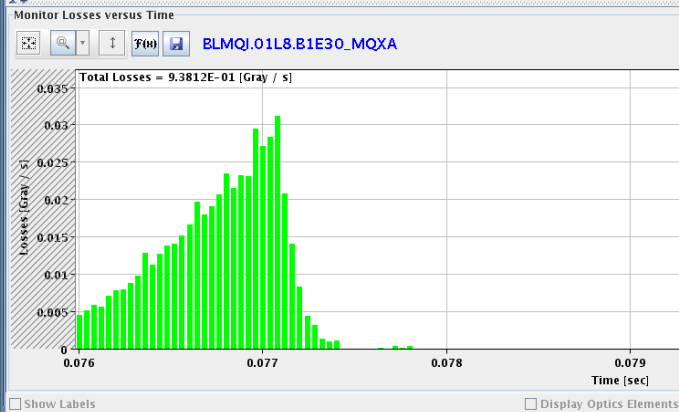
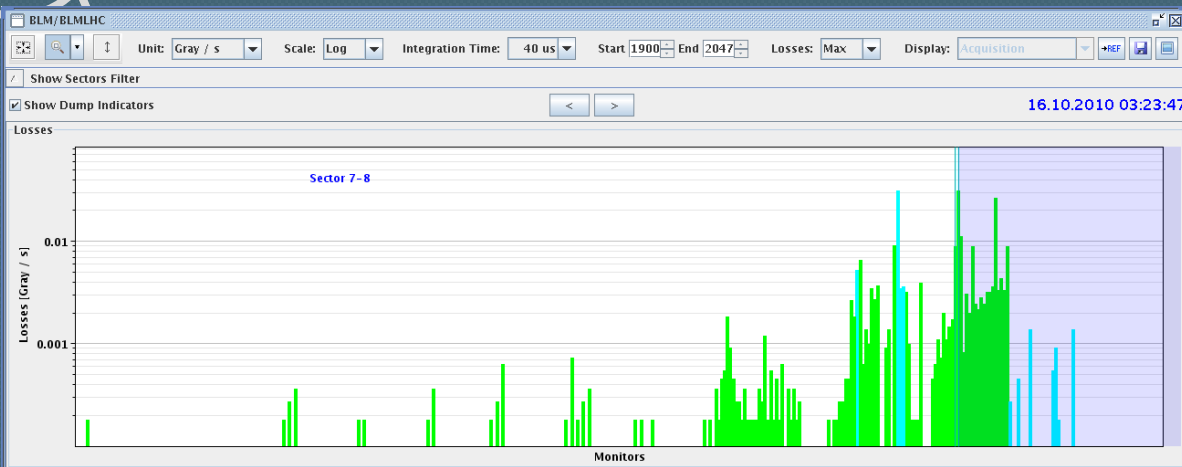
DDR_20101016_032349.raw BCM_U avg RS2



DDR_20101016_032349.raw BCM_D avg RS2



BLMs on triplets



Double click to inspect plots

- 20101015_031657
- 20101015_052341
- 20101015_070013
- 20101015_182713
- 20101015_220006
- 20101015_230500
- 20101016_000351
- 20101016_032349
- 20101016_050031
- 20101016_053738
- 20101016_114208
- 20101016_145532
- 20101016_154353
- 20101016_165922
- 20101017_093221
- 20101017_134944
- 20101017_202313

Maximum currents BCM-U /nA

dia	RS1	RS2	2*RS2	RS32
0	1944.1	1915.7	3831.3	1012.4
1	2035.1	1941.0	3882.1	1025.8
2	3278.6	3188.5	6377.1	1745.6
3	2433.8	2423.9	4847.8	1312.4
4	1958.6	1918.1	3836.3	1068.9
5	1872.5	1858.2	3716.4	1031.7
6	2403.1	2327.3	4654.5	1307.0
7	2318.0	2267.6	4535.1	1204.1
avg	2090.2	2063.7	4127.4	1127.5

Maximum currents BCM-D /nA

dia	RS1	RS2	2*RS2	RS32
0	1132.3	1062.3	2124.6	527.4
1	1634.8	1459.0	2918.0	753.7
2	1840.9	1775.0	3549.9	946.1
3	1501.1	1478.3	2956.5	794.6
4	812.4	811.8	1623.6	452.3
5	1471.0	1421.9	2843.8	776.5
6	1742.2	1607.8	3215.5	856.1
7	1403.4	1362.2	2724.3	716.9
avg	1422.8	1352.4	2704.8	713.8

Beam abort thresholds of LHCb Beam Conditions Monitor

Flux	station	decimal	uA	div	uA/diamond	minbias nA	dump / MB
RS0	0 (U)	8274	10.1	1	10.1	20.2	500
	1 (D)	2130	2.6	1	2.6	5.2	500
RS2	0	8274	10.1	1	10.1	20.2	500
	1	2130	2.6	1	2.6	5.2	500
RS2	0	8274	10.1	2	5.05	20.2	250
	1	2130	2.6	2	1.3	5.2	250
RS32 (moni)	0	52953	64.64	32	2.02	20.2	100
	1	13631	16.64	32	0.52	5.2	100
SUM_RS32	0	264765	323.2	160	2.02	20.2	100
	1	68157	83.2	160	0.52	5.2	100

definition of running sums in accordance with EDMS-904972
 relevant divisor of RS2 depends on charge deposition scenario

Recorded events during UFO attack

VELO_nClusters:ODIN_eventNumber {ODIN_eventNumber>786.e6}

