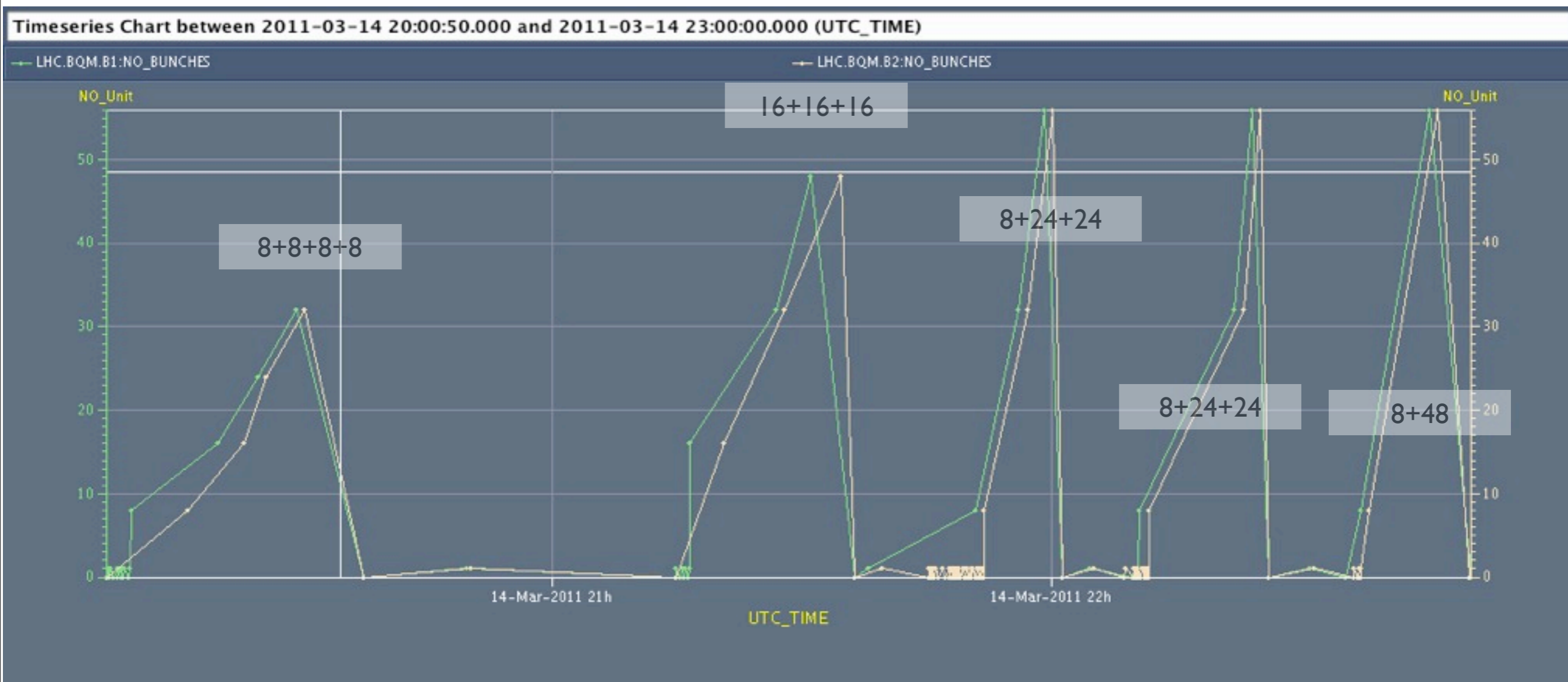
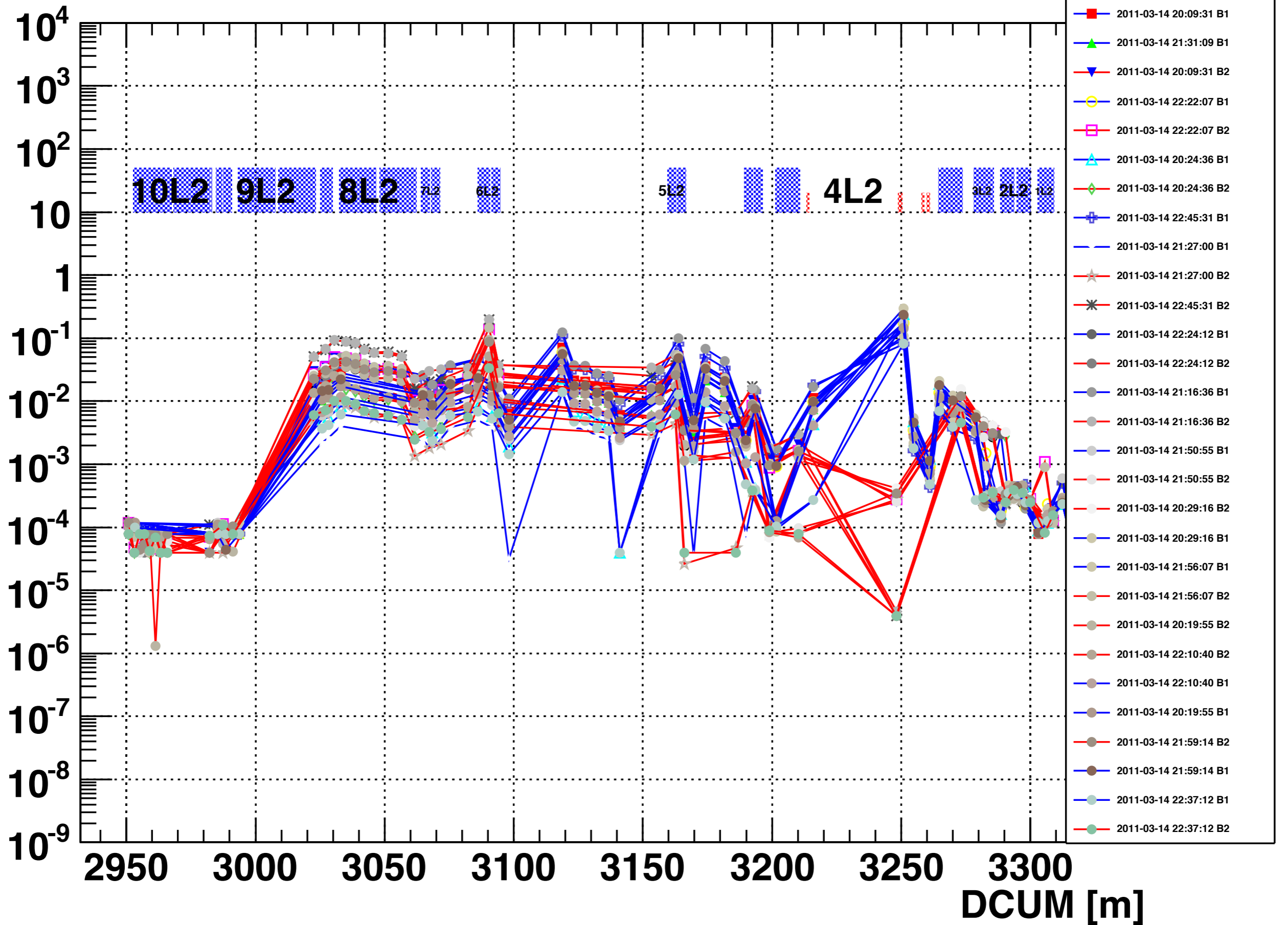


Losses around injection regions

Check ratio signal over threshold (RS0 I) for monitors around injection regions and defining critical monitors as $R > 0.1$



20110315-212306_Ratio_all_Injections_L2_RS05



Only 3 monitor over 10% of threshold in RS01

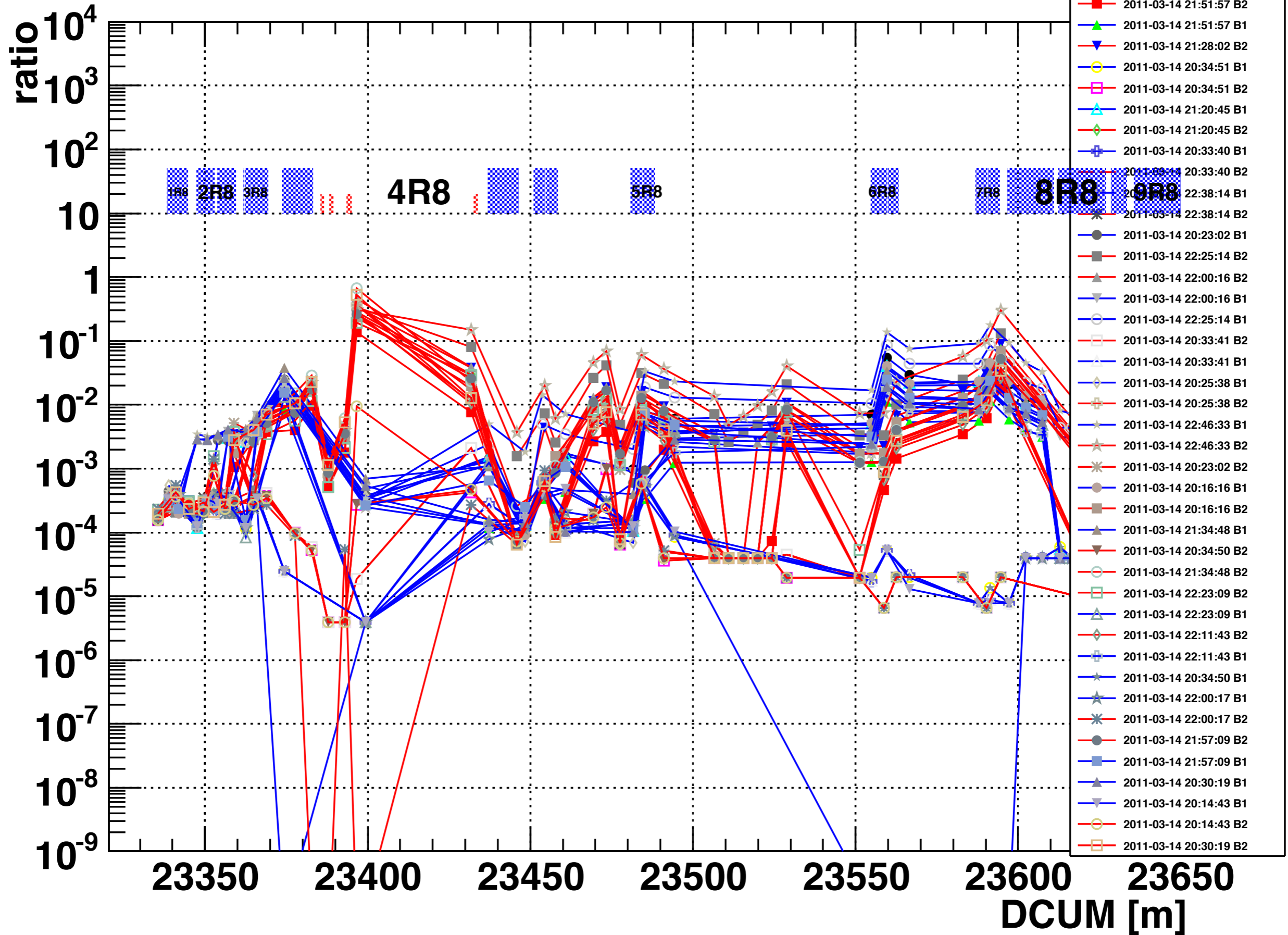
BLMEI.04L2.BIEI0_TDI.4L2.BI

BLMQI.06L2.B2I20_MQML

BLMEI.06L2.BIEI0_MSIB

Injection	Ratio RS01 TDI	Ratio RS01 MQML	Ratio RS01 MSIB
1.1	1.70E-01	1.29E-01	< 0.1
1.4	2.99E-01	1.07E-01	< 0.1
2.1	< 0.1	< 0.1	1.24E-01
2.3	2.50E-01	< 0.1	< 0.1
3.1	1.74E-01	< 0.1	< 0.1
3.3	2.36E-01	< 0.1	< 0.1
4.1	1.40E-01	< 0.1	< 0.1
4.2	1.73E-01	1.36E-01	< 0.1
4.3	2.30E-01	1.43E-01	< 0.1
5.1	< 0.1	< 0.1	< 0.1
5.2	< 0.1	1.54E-01	1.08E-01

20110315-212427_Ratio_all_Injections_R8_RS05



Only 3 monitor over 10% of threshold in RS01

BLMEI.04R8.B2E10_TDI.4R8.B2

BLMQI.07R8.B2E10_MQM

BLMQI.07R8.B1120_MQM

Injection	Ratio RS01 TDI	Ratio RS01 MQML B2	Ratio RS01 MQM BI
1.1	2.35-01	< 0.1	< 0.1
1.4	5.25E-01	< 0.1	< 0.1
2.1	2.81-01	< 0.1	< 0.1
2.3	6.71E-01	< 0.1	< 0.1
3.1	1.38E-01	< 0.1	< 0.1
3.3	4.50E-01	< 0.1	< 0.1
4.1	2.78E-01	< 0.1	< 0.1
4.2	1.95E-01	< 0.1	< 0.1
4.3	3.36-01	1.32E-01	< 0.1
5.1	2.62-01	< 0.1	< 0.1
5.2	3.09-01	3.01E-01	1.77E-01

- TDI signals systematically over 10% (up to 60% for RS01 in IP8 and up to 30% in IP2)
- IP2 BLMQI.06L2.B2I20_MQML and BLMEI06L2.BIEI0_MSIB also critical (< 20 %)
- IP2 BLMQI.07R8.B2I20_MQM and BLMQI.07R8.BII20_MQM also critical (< 20 %)