

Tests performed since yesterday

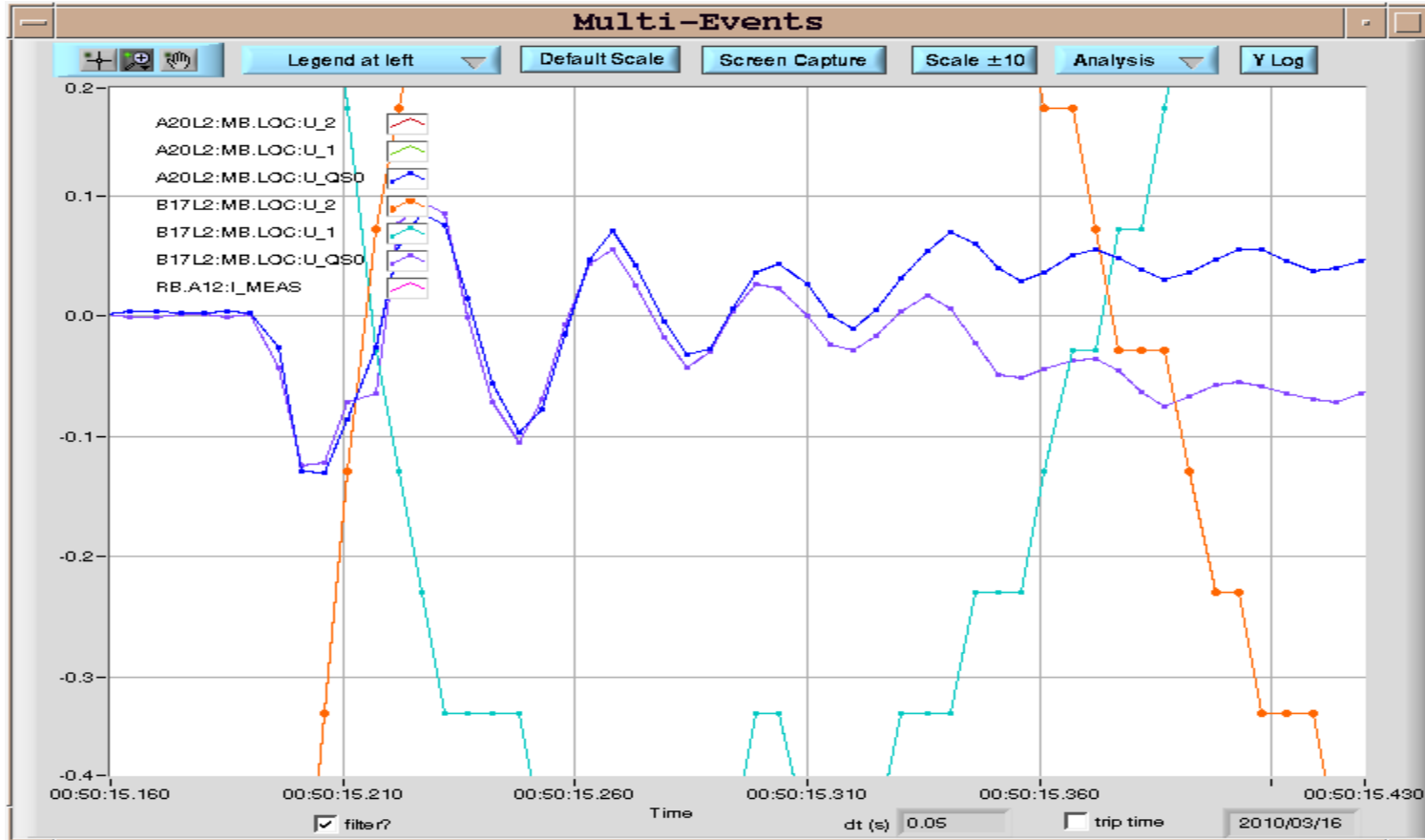
- Modifications
- Tests performed

Many thanks to Sandrine, Rudiger and Bernhard + logbooks

Tests performed on RB.A12

➤ Decision 1:

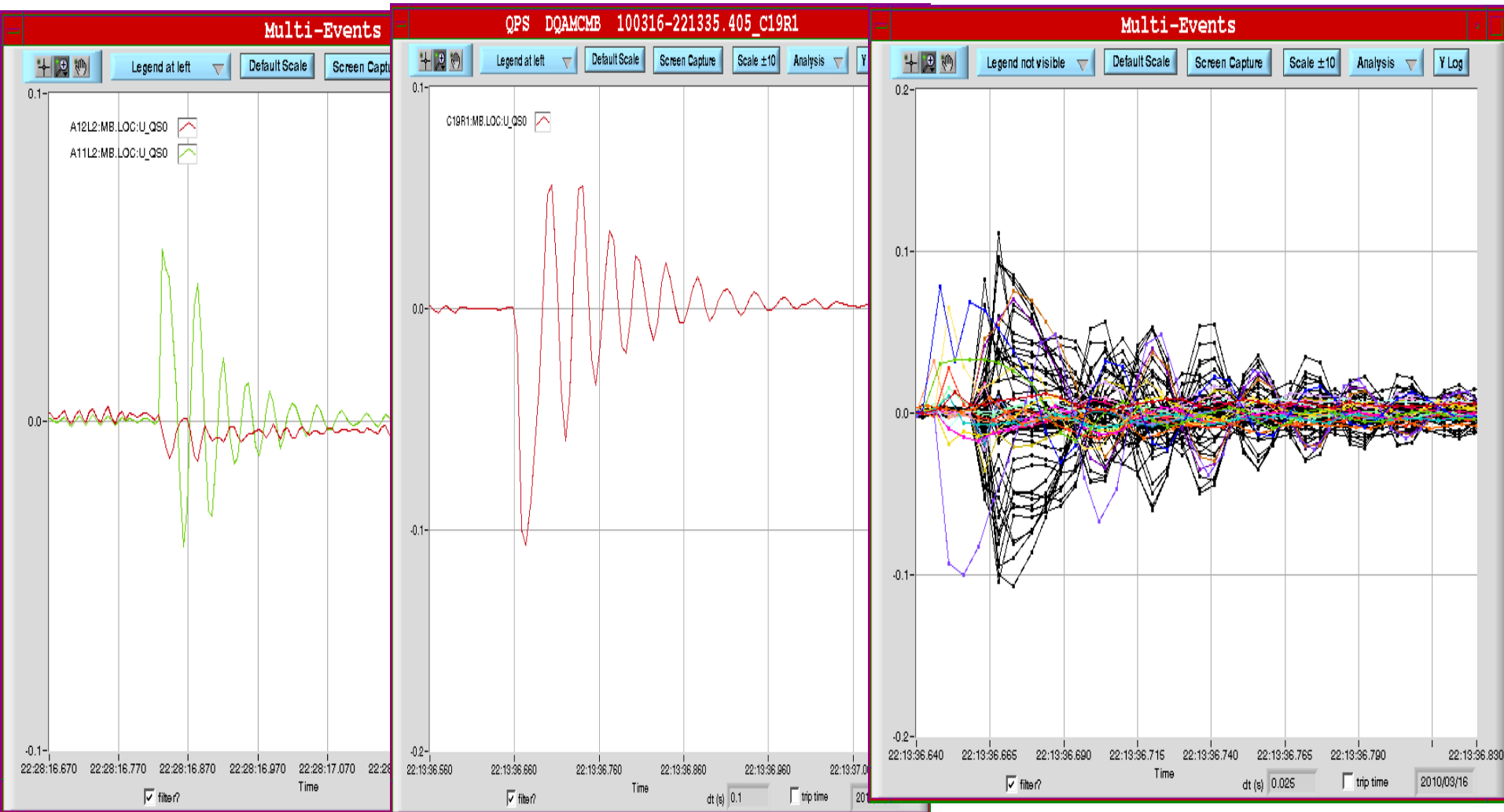
Increase threshold on both magnets where quench heaters were fired
A20L2 and B17L2. (Global BB detector for mains deactivated)



➤ FPA from PIC ~ 1 kA during ramp 10 A/s: Repeated : NO TRIP 😊

Tests performed on RB.A12

FPA @ 1 kA to have acquisition of U_QSO



Magnets closed to threshold (#19) :

R1:C29,A29,B28,B27,A27,C24,A22,C21,C19,

L2:B31,C30,A30,C28,B23,A22,C19,A18,B15,B11

17th of March 2010

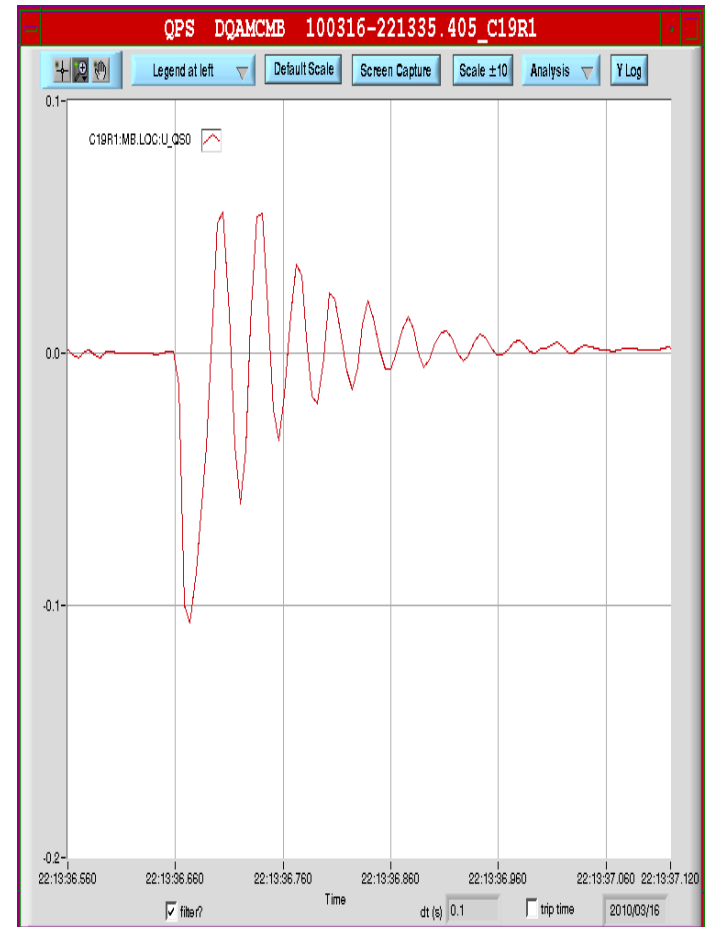
8h30 Meeting

Tests performed on RB.A12

FPA @ 2 kA from flat top. C19R1 triggered the QH

V Meas ringing amplitude is 40 V

Asymmetry between apertures seems to play a secondary role



Tests performed on RB.A12

- FPA by PIC from flat top @ 2 kA without delay (reduced to 1 ms)

No magnet quenched (Done twice)

PIC delays does not seem to help

- FPA by QPS from flat top @ 2 kA

No magnet quenched

Tests performed on RB.A12

- FPA by PIC from flat top @ 2 kA without delay (reduced to 1 ms)
Was in fact 6-10 ms due to coupling with interlock loops

No magnet quenched (Done twice)

PIC delays does not seem to help

- FPA by QPS from flat top @ 2 kA

No magnet quenched

- PC fault at 2 kA during 10 A/s ramping up and opening of switch @ about 1.8 kA ;

No magnet quenched; sunglasses not activated

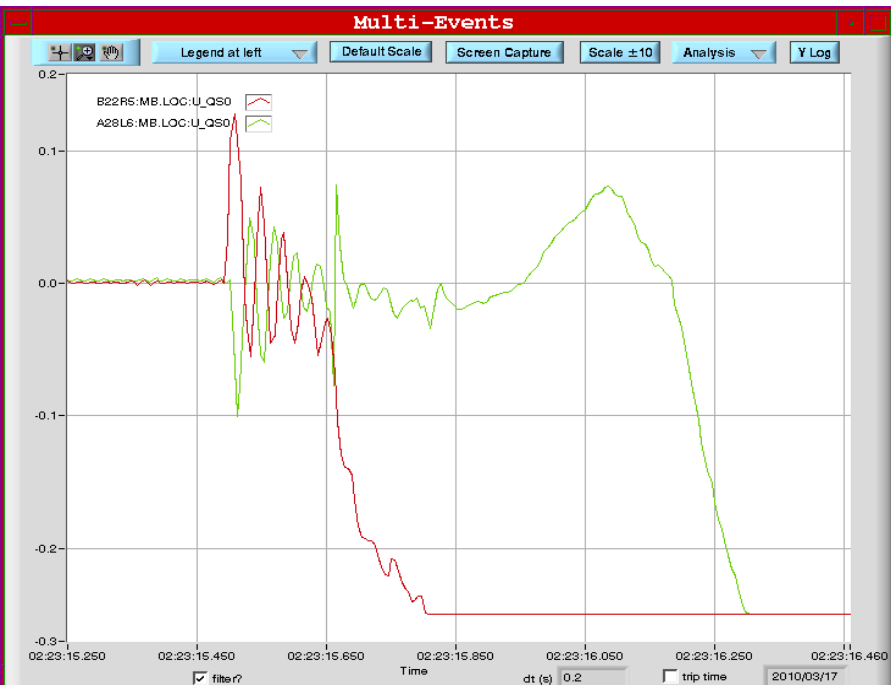
Tests performed on RB.A56

- FPA via PIC from the odd and even side @ 2kA flat top

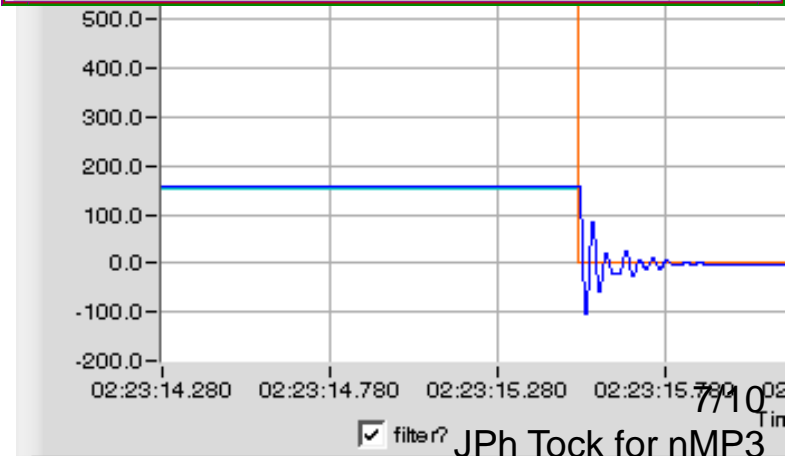
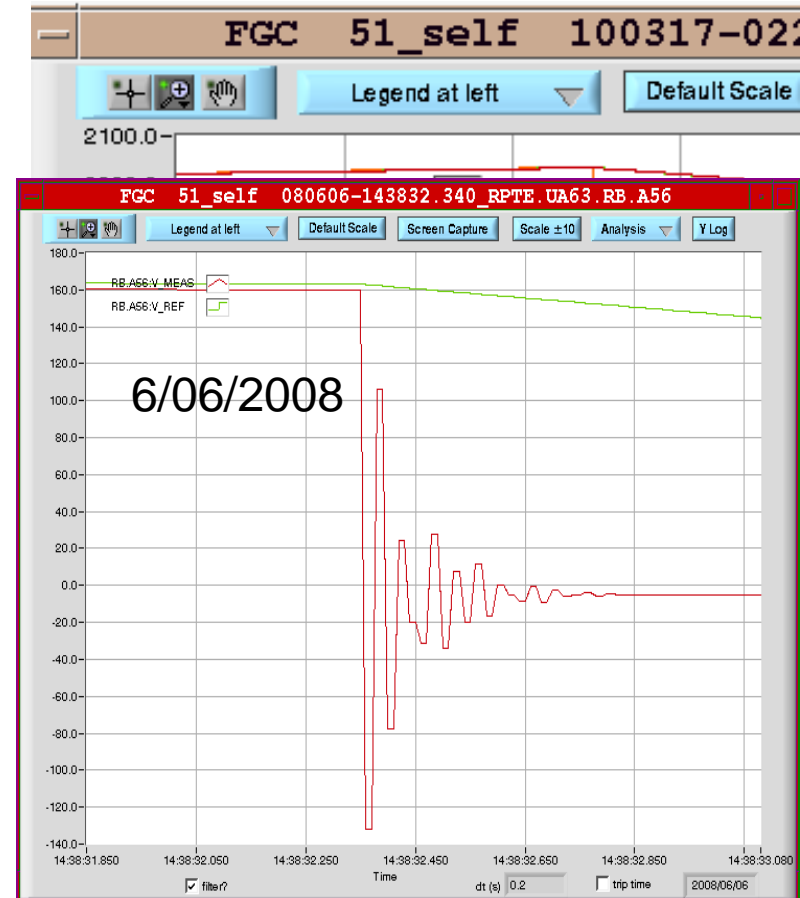
BS triggered but no quench

- FPA via PIC during ramp @ about 2kA : 30 magnet quenched !!

Most (All?) triggers come from old QPS
But close to 800 mV of nQPS also
Ringing > 100 V (Already last year)



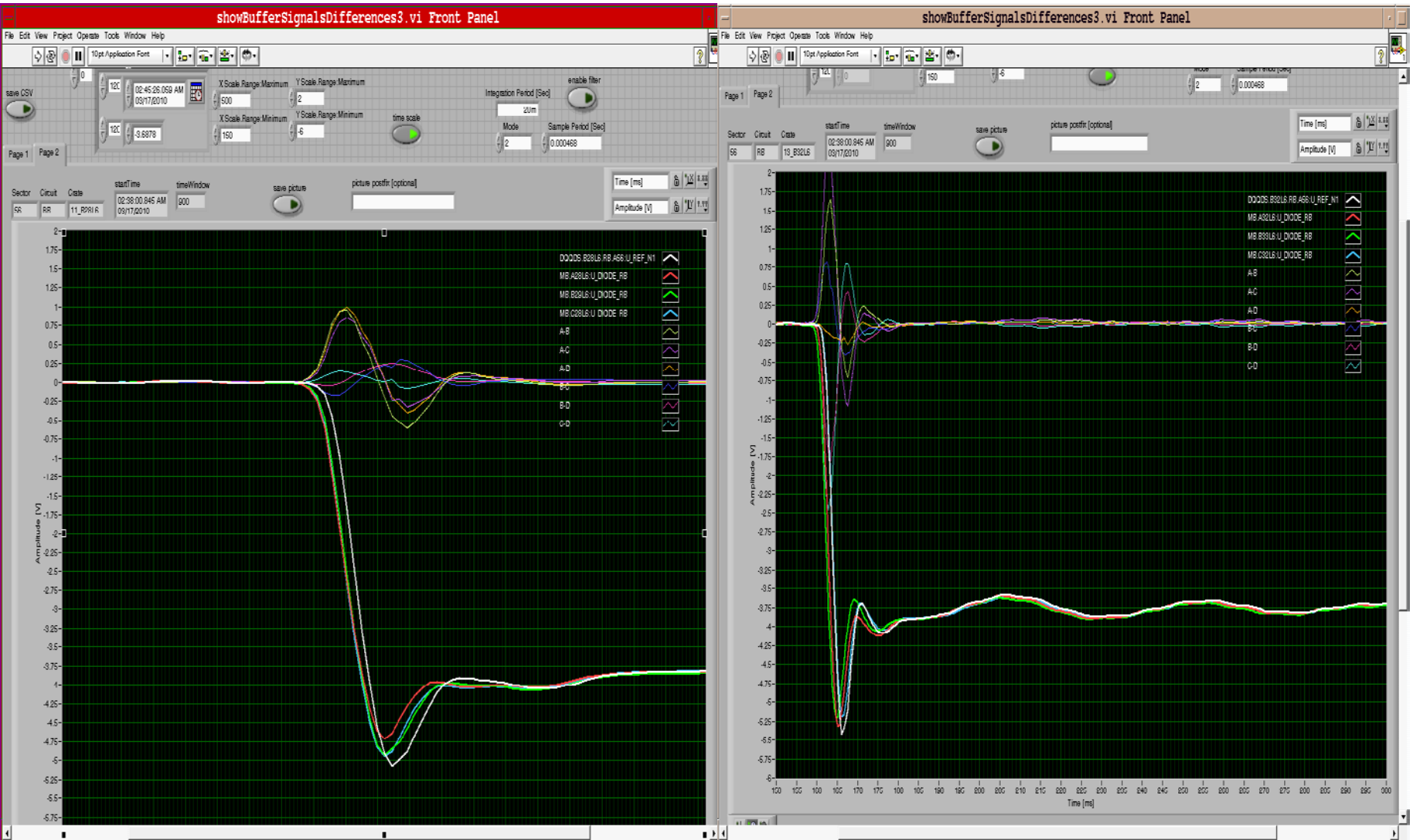
30 Meeting



JPh Tock for nMP3

30 quenches on RB.A56: To be analysed

- FPA via PIC during ramp @ about 2kA :
30 magnet quenched !! Some perhaps from nQPS (Sunglasses active)



RB.A34

- Delay of EE switches back to nominal (No delay)

RB.A67

Powercycle performed on the DQAMGS.B22R6 because the switches couldn't be closed.

As a consequence the heaters of the three dipoles A22R6, C22R6, and B23R6 were fired at 0 A in the circuit. No heater post mortem but discharges look ok in timber ..

See also QPS logbook.

Tests performed on RB.A12

Reminder :

Quench heaters firing after faults on RB circuits were noticed and analysed [40 cases from 2008-2010]

N Catalan / S Le Naour (Will be presented at MP3 today)

Other points @ MP3:

- Delay of PIC: to keep or not*
- Global BB detector : disabled or not ? 12 or all ?*