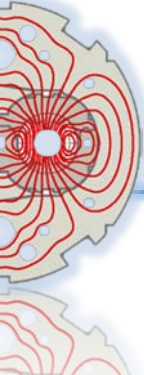
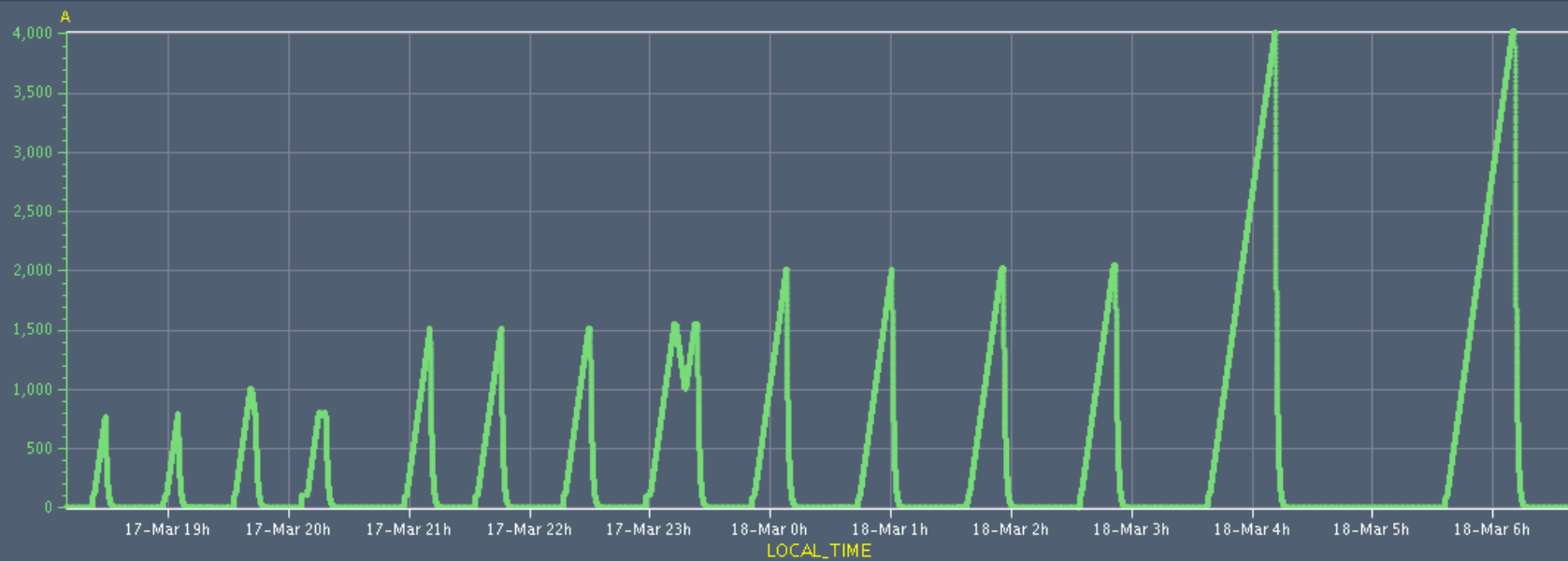


- Ramp rate  $\pm 2\text{A/s}$
  - Sector 56 up to kA
  - Sectors 23, 34, 67, 78 and 81 up to 2kA
  - FPA triggered via PIC and via QPS
-



→ RPTC.UA63.RB.A56:I\_MEAS



Data Set: RPTC.UA63.RB.A56:I\_MEAS

X: 18-Mar-2010 00:33:08.500

Y: 0.01

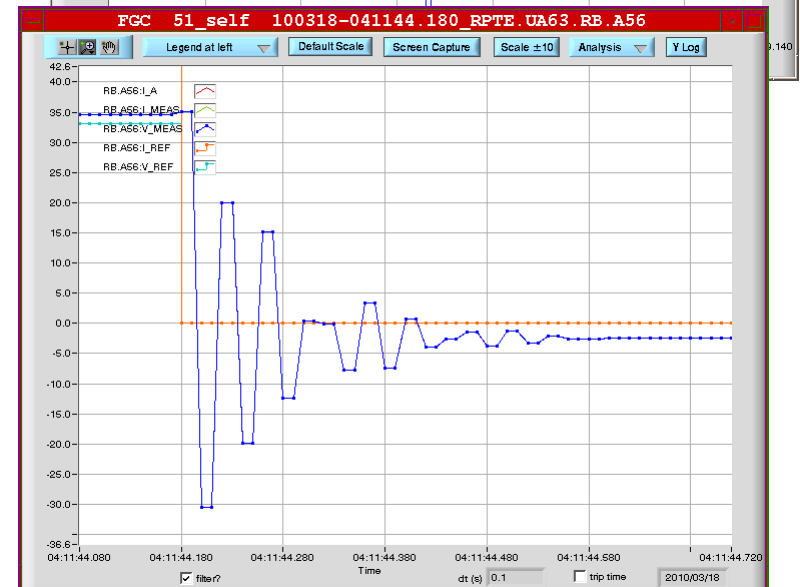
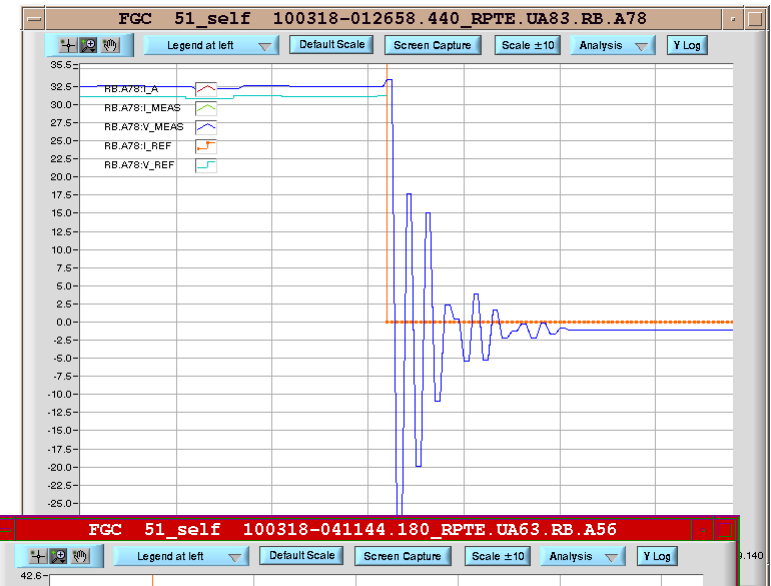
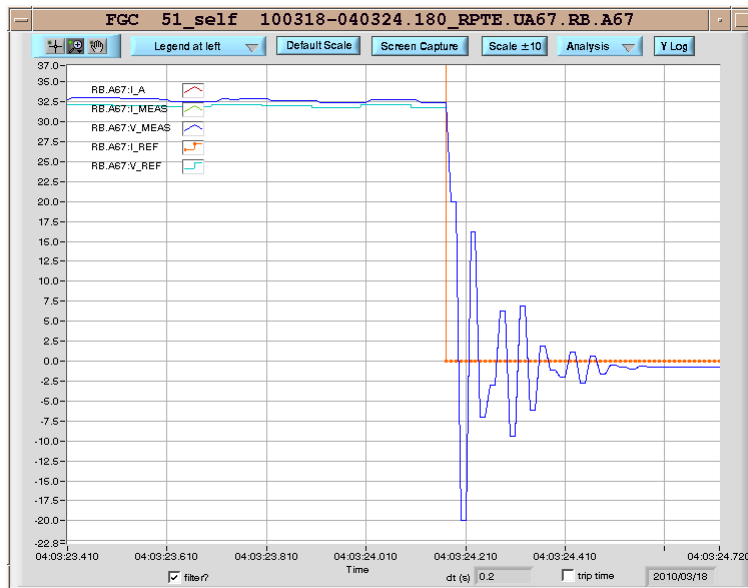
Data Set: CURSOR

X: 18-Mar-2010 00:33:12.997

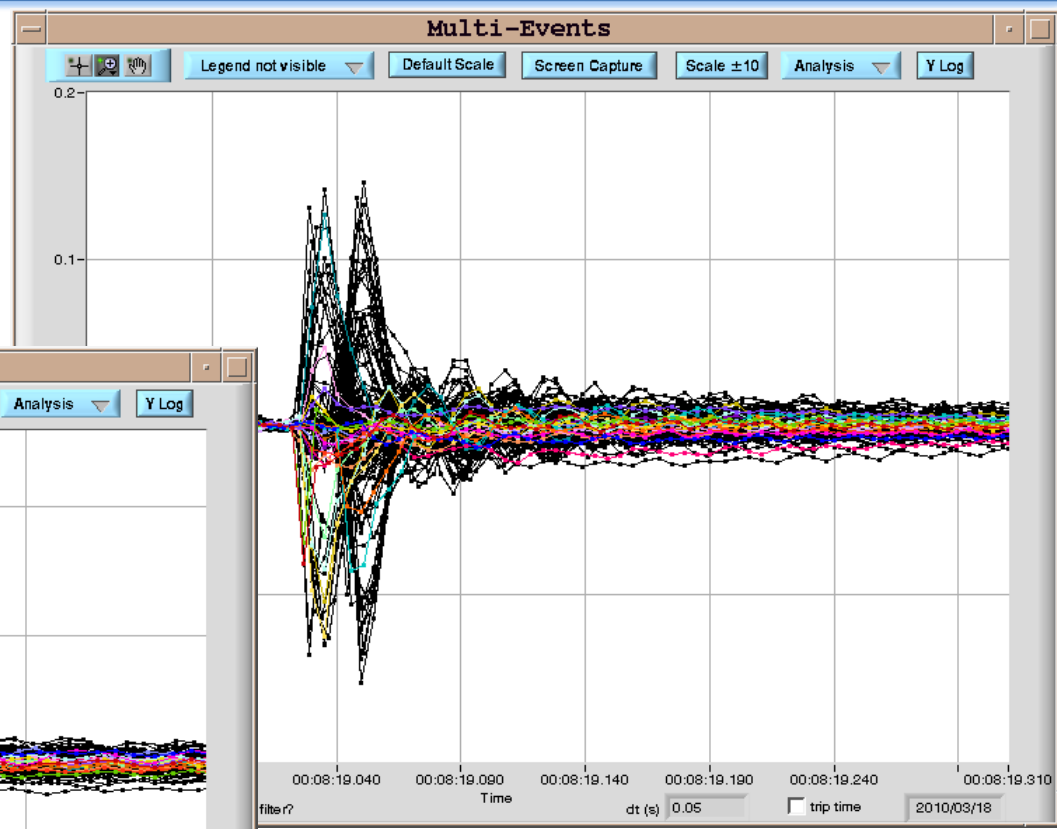
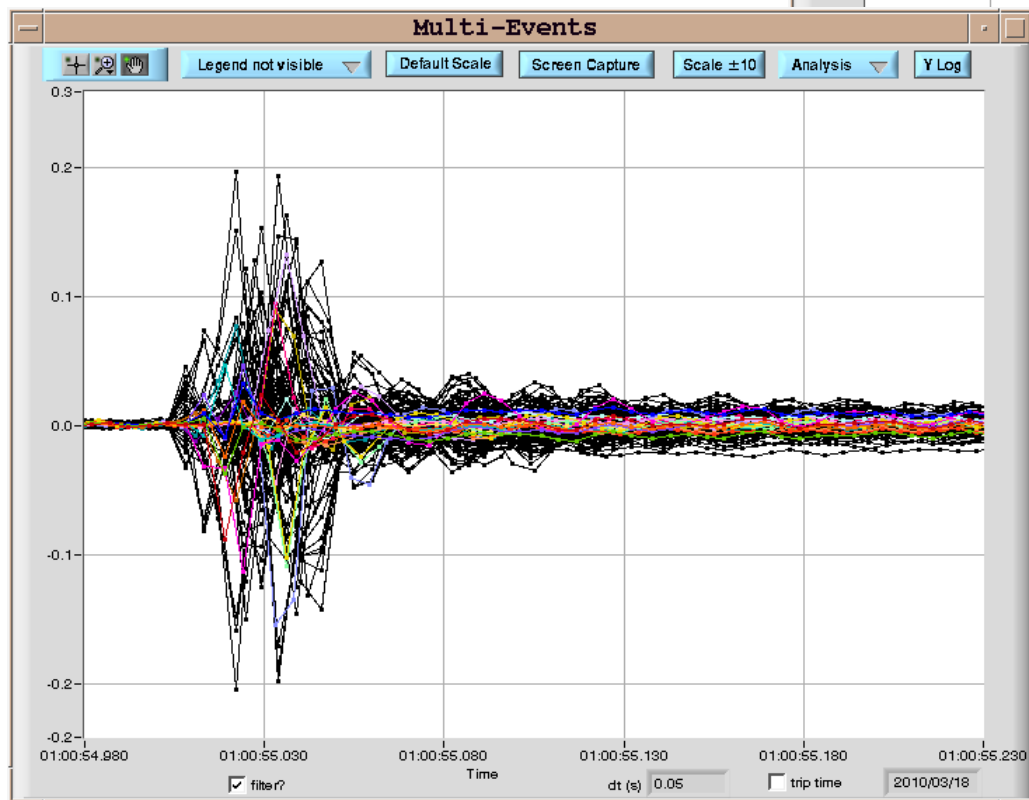
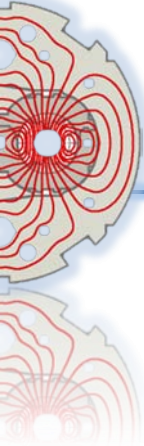
Y: 1217.18962962963

# Power converters

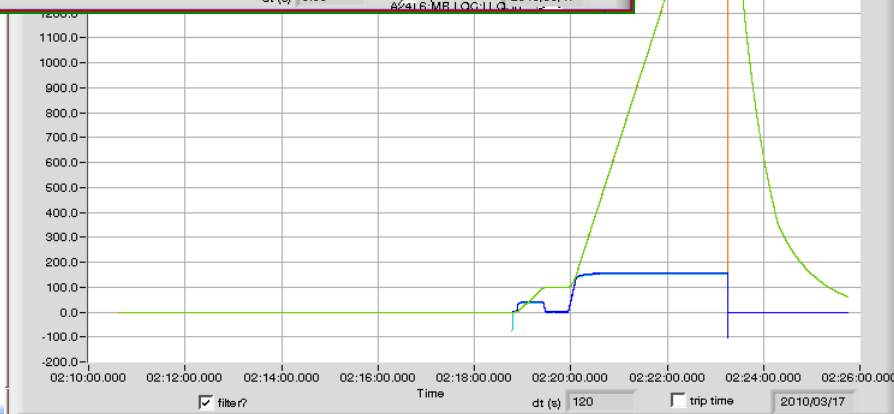
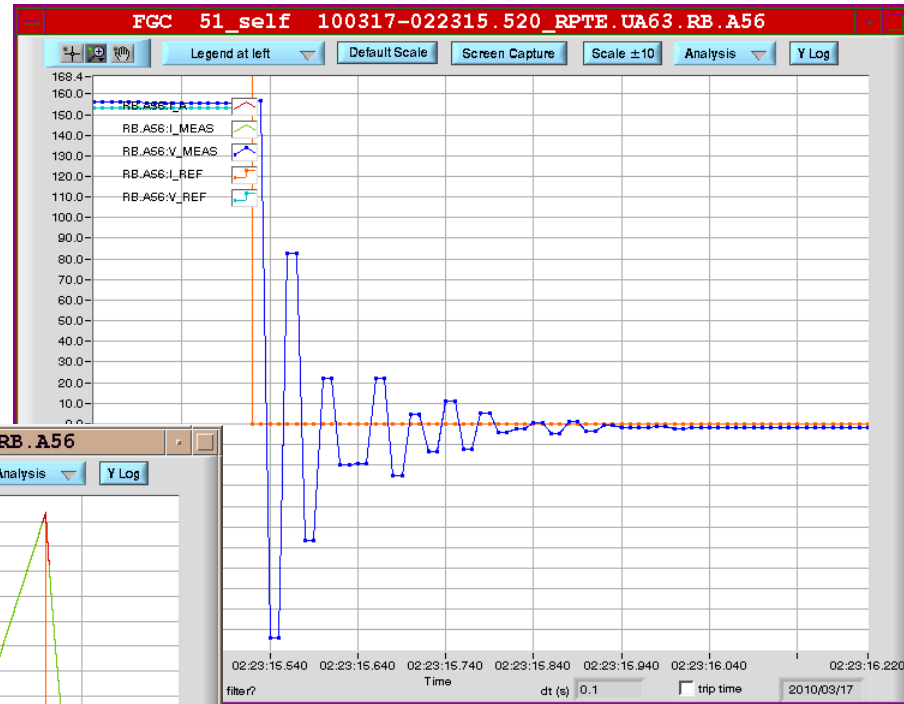
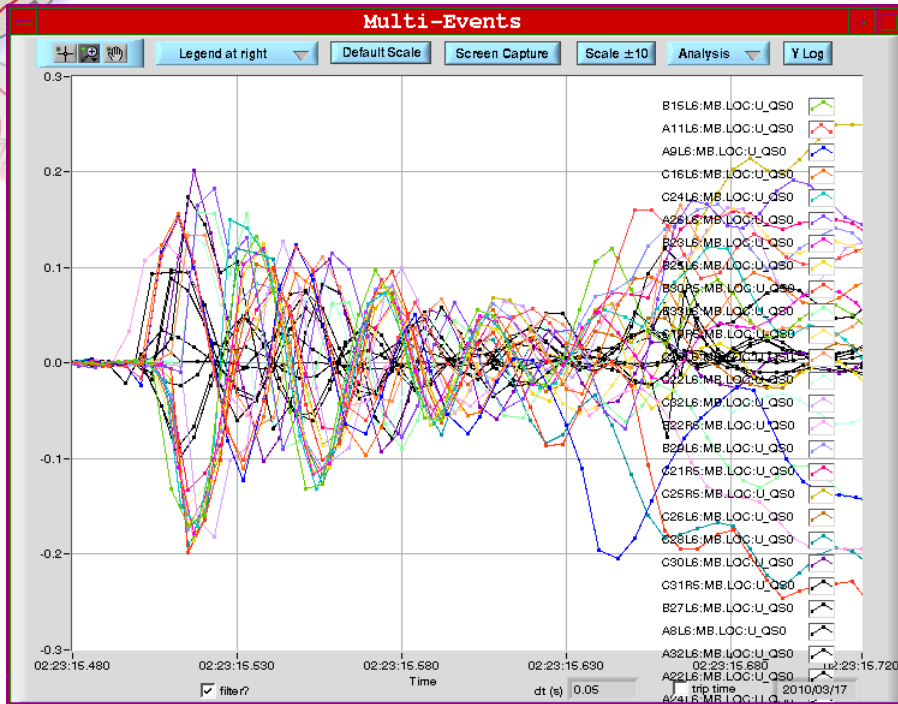
- Ringing around 20 V for all currents levels and all sectors
- Reproducible
- To be checked sector by sector

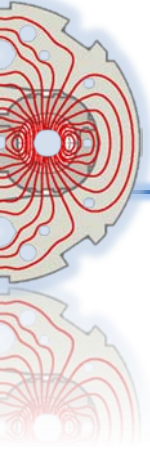


# Sector 56, 2000A PIC vs EE opening



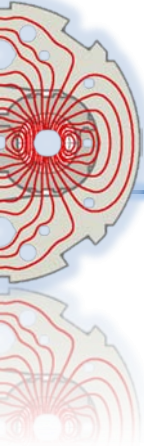
# Sector 56. 16 March 30 quenches





- Validation with all sectors and fault types up to 6kA
  - Validation of the quadrupole compensation onset in all sectors
  - Validation of cycle and pre-cycle
  - Analysis of the data....
-

# What is next?



	Ramp rate	Current	FPA by BB Snapshot	Global PIC Snapshot
Sector 12	2	760		
Sector 12	-2	760		
Sector 12	2	1500		
Sector 12	-2	1500		
Sector 12	2	2000		
Sector 12	-2	2000		
Sector 12	2	4000		
Sector 12	-2	4000		
Sector 12	2	6000		
Sector 12	-2	6000		
			FPA by BB Snapshot	Global PIC Snapshot
Sector 23	2	760		
Sector 23	-2	760		05:53:20
Sector 23	2	1500		
Sector 23	-2	1500		06:32:41
Sector 23	2	2000		
Sector 23	-2	2000		07:13:02
Sector 23	2	4000		
Sector 23	-2	4000		
Sector 23	2	6000		
Sector 23	-2	6000		
			FPA by BB Snapshot	Global PIC Snapshot
Sector 34	2	760		
Sector 34	-2	760		05:52:22
Sector 34	2	1500		
Sector 34	-2	1500		06:35:35
Sector 34	2	2000		
Sector 34	-2	2000		07:14:11
Sector 34	2	4000		
Sector 34	-2	4000		
Sector 34	2	6000		
Sector 34	-2	6000		
			FPA by BB Snapshot	Global PIC Snapshot
Sector 45	2	760		
Sector 45	-2	760		
Sector 45	2	1500		
Sector 45	-2	1500		
Sector 45	2	2000		
Sector 45	-2	2000		
Sector 45	2	4000		
Sector 45	-2	4000		
Sector 45	2	6000		
Sector 45	-2	6000		

	Ramp rate	Current	FPA by BB Snapshot	Global PIC Snapshot
Sector 56	2	760	19:05:15	18:29:03
Sector 56	-2	760	20:19:00	19:43:36
Sector 56	2	1500	21:46:12	21:04:47
Sector 56	-2	1500	23:23	22:30:36
Sector 56	2	2000	01:00:53	00:08:17
Sector 56	-2	2000		01:56:27
Sector 56	2	4000		04:11:42
Sector 56	-2	4000		06:11:09
Sector 56	2	6000		
Sector 56	-2	6000		
			FPA by BB Snapshot	Global PIC Snapshot
Sector 67	2	760		
Sector 67	-2	760		02:45:15
Sector 67	2	1500		
Sector 67	-2	1500		03:22:36
Sector 67	2	2000		04:03:22
Sector 67	-2	2000		04:59:40
Sector 67	2	4000		
Sector 67	-2	4000		
Sector 67	2	6000		
Sector 67	-2	6000		
			FPA by BB Snapshot	Global PIC Snapshot
Sector 78	2	760	20:36:24	19:53:19
Sector 78	-2	760	21:52:52	21:21:40
Sector 78	2	1500	23:08:17	22:35:04
Sector 78	-2	1500	00:42:24	23:56:00
Sector 78	2	2000		01:26:57
Sector 78	-2	2000		02:17:42
Sector 78	2	4000		
Sector 78	-2	4000		
Sector 78	2	6000		
Sector 78	-2	6000		
			FPA by BB Snapshot	Global PIC Snapshot
Sector 81	2	760	21:03:51	20:17:13
Sector 81	-2	760	22:15:19	21:42:07
Sector 81	2	1500	23:38:23	22:56:28
Sector 81	-2	1500	00:53:49	00:17:39
Sector 81	2	2000		01:38:57
Sector 81	-2	2000		02:23:10
Sector 81	2	4000		
Sector 81	-2	4000		
Sector 81	2	6000		
Sector 81	-2	6000		