

**Generally Grouped - Breakdown of all Recorded 352 Quench Events for the RHIC Physics Run fy03**

Loose Connections in General	6
Power Supplies, QPA's, Quench switches & Magnets in General	46
CFE/FEC-Re-boots & other Software Related Problems	49
Power Dips and Weather related	10
Recorded Maintenance	49
dhx / dh0 Magnetic Coupling, dhx Heaters Firing	21
Beam Related Induced Conditions	66
RF Cavity Relating in Beam Loss	5
Kicker / Abort Timing Fault Relating in Beam Loss	21
Cryo Lead Flow / Gas Cooled Leads	7
Main Ring Supplies (Blue & Yellow)	39
Initial Ice Formation of Voltage Tap CQS Trees	8
Unexplained	1
Wrong Ramps / Non Standard Ramps and Aborts in General	18
Permit Modules & Related Hardware	6
<b><i>Total Recorded Quench Events in General Groups (See Daily Reports for further Breakdowns)</i></b>	<b>352</b>

**Generally Grouped - Breakdowns of Quench Events for the RHIC Physics Run fy03**  
**Total recorded Events = 352 Events**

