

Percentage of RHIC Real Magnet Quenches per Faults for the fy03

Percentage of Real Magnets Quenched as per Faults for the fy03:		Qty
Unexplained		1
High Beam Losses		93
Aux Contactor 480vac in Sub-station 1004B		4
FEC Problem, Controls		3
Cryo, Gas Cooled Lead Interlock.		3
Power Supplies at Fault causing Magnet to Quench		6
Blue Kicker timing off		2
Yellow Abort Kicker Mis-firing		47
		4
Magnet Problem, #2 break in Super Conductor (y09-snk7-2.3)		1
DX Heater Chassis 1006B		1
Magnetic Coupling (dhx / dh0 QPA Timing)		20
Power Dip		8
RF Cavity fault, High Beam Losses		5
Secondary Snake / Spin Magnets Quenched due to Perturbation, heated gas		14
wfg error (yo9-snk7-2.3-ps)		1
Wrong Ramp Factor		3
		3
		219

Causes of Real Magnet Quench Events for the fy03

Total Recorded Individual Magnets Quenched = 219

