

5.10.3.1 MPS Raster Requireme 1

MPS Raster-Magnet Spreadsheet												
G. Biallas 3/30/98			Beam Mode									
			At minimum focus									
Solenoids/ Quadrupoles Rasters	60 pC 10/42 MeV Operating Current (A)	Time to	Time to	Current Tolerance Range Plus/Minus (%)	(A)	Time to	Sudden	(%)	(A)	Time to		
		Shut Down after LCW Failure (ms)	Shut Down Loose Both Rasters (ms)			Shut Down Current Failure (ms)	Unacceptable Decrease in Current (%)		Shut Down after Current Decrease (ms)			
Gun Solenoids												
	MFF0F01	3.231			0.1	0.0032	No Calc.	2	0.065	No Calc.		
	MFF0F02	-2.563			0.1	-0.0026	No Calc.	2	-0.051	No Calc.		
0G Dump (10 MeV)			322									
	MQG0G01	0.07		5	0.004		NA	10	0.007	NA		
	MQG0G02	1.5		5	0.075		92	10	0.150	288		
	MQB0G03	0.2		5	0.010		NA	10	0.020	NA		
	MSE0G03 (Per Phase values)	2.24		10	0.224		92	20	0.448	257		
2G Dump			4226	29								
	MCJ2G00V	2.64		5	0.13		128	10	0.07	6873		
	MCJ2G00H	2.90		5	0.15		128	10	0.08	6873		