

Miscellaneous Numbers

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Print Date: 21-Apr-00

Tracker

	1 Tray	1 Layer	Comments
SuperGLAST Tray wt	3.287	52.594	25% r.l. lead thickness
Normal Tray wt	1.084	17.338	2.5% r.l. lead thickness

	1 Module	Instr	
Total SuperGLAST Pb mass	8.239	131.822	kg
SuperGLAST Pb mass per 1% r.l.	0.330	5.273	kg/(1% r.l.)

Calorimeter

	1 Module	Instr	
Incr. Mass of 1 mm thk Csl	0.533	8.528	kg/(1 mm Csl)
Mass savings with CFC struc	3.555	56.880	mass estimate by Oscar Feirra

Grid

Mass savings of thinner Grid for CFC CAL	17
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Mass Scaling with Footprint

	Mass		Reserve		Total
SSd Size (cm)	kg	%	kg		kg
9.0	2530.414	15.8%	399.289		2929.203
9.1	2573.061	15.6%	402.317		2974.877
9.2	2616.185	15.5%	405.371		3021.056

(*) Note that this footprint scaling did NOT scale ACD or DAQ subsystems.
These are held at mass for 9.2 cm size