

GLAST Silicon Sensor Decision Group

Elliott Bloom EB	elliott@SLAC.Stanford.EDU
Robert Johnson RJ	johnson@scipp.ucsc.edu
Tune Kamae TK	kamae@hirax6.hepl.hiroshima-u.ac.jp
Takashi Ohsugi TO	ohsugi@hirax6.hepl.hiroshima-u.ac.jp
Steve Ritz SR	ritz@milkyway.gsfc.nasa.gov
Hartmut Sadrozinski HS	hartmut@scipp.ucsc.edu
Tim Thurston TT	thurston@SLAC.Stanford.EDU

Our charge:

Make recommendation of sensor layout and their procurement.

Item	Responsible	Explanation
GLAST Sensor inventory	TO&HS	Describe what we have done
Detector Technology		
Crystal Orientation	TK&RJ	Mechanical strength
Fields	TO&HS	Breakdown with large gaps
Review of Specs	TO&HS	Layout for every geometry
Detector Performance		
S/N	HS&RJ	BTEM: Eff at large angles
Trigger	HS&SR	from BTEM data?
PSF	HS&SR	Simulations are done
Science	SR&HS	Applying PSF to science signals
Background	SR&HS	Does a larger pitch compromise the background rejection?
Layout Questions		
Aeff	SR&HS	Changing the Footprint vs. # of trays
Superglast	RJ&SR&HS	PSF from BTEM, Sim
Resources & Reserves & Margins		
Power	TT&RJ	How much reserves?
Footprint	TT&SR	What is the maximum allowed?
Mass	TT&RJ	What is missing?
Funding	TT&RJ&WA	Can we afford 19 trays/tower?
Descope (TRK)	RJ&TT&TK	Descope down the line: TRK only
Descope (LAT)	SR&TT&EB	Descope down the line: LAT
Schedule		
Production	TK&RJ (&HPK)	Delivery schedule (& testing)
Pre-production (Need, numbers)	TO&RJ	Make several types of sensors first?
Funding	TK&EB	Schedule and funding profile agree?