

Proposed Papers for the GLAST Calibration and Analysis Science Working Group

Subgroup	Paper Title	Leads	Timeframe	Category
ACD	ACD Papers (Design, Construction, and Performance of the GLAST LAT Anticoincidence Detector, etc.)	ACD team	Sep-05	2
ALL	Observation of pi-zeros in the sea-level cosmic ray flux with the GLAST LAT	Atwood, McEnery	Jan-06	1
ALL	Beam Test of the GLAST LAT Flight Hardware	do Couto e Silva	Sep-06	2
ALL	Background Rejection in the GLAST LAT	tbd	Sep-06	2
ALL	Design, Construction, and Expected Instrument Performance of the GLAST LAT	Michelson	Dec-06	1
ALL	On-orbit Calibration of the GLAST LAT	tbd	tbd	2
CAL	Response of the GLAST LAT Calorimeter to High-energy electrons	Lott	Jun-05	3
CAL	Response of the GLAST LAT Calorimeter to Heavy Ions	Lott	Jun-05	3
CAL	Energy Reconstruction in the GLAST LAT	Usher, Atwood, N.Johnson	Aug-05	2
CAL	Algorithms for On-orbit Calibration of the GLAST LAT Calorimeter	Grove, Lott	Jan-06	3
CAL	CAL Papers (Design, Construction, and Performance of the GLAST LAT Calorimeter, etc.)	CAL team	Sep-06	2
CAL	Isolated Track Finding in a Segmented Calorimeter	Piron	tbd	3
FSW/TDF	On Board Event Filtering in the GLAST LAT	Ritz, Russell	Mar-06	2
FSW/TDF	T&DF Papers (Design, Construction, and Performance of the GLAST LAT Hardware Trigger and Dataflow System, etc.)	T&DF team	Sep-06	2
FSW/TDF	Design and Operation of a Front-End Simulator and Testbed for the GLAST LAT Trigger and Dataflow System	tbd	Dec-06	3
I&T	I&T Papers (Integration and Test of the GLAST LAT, etc.)	I&T team	May-06	2
SAS	Use of Decision Trees in the GLAST LAT Data Analysis	Atwood, Burnett	Feb-06	3
SAS	GLAST Mock Data Challenges Prior to Launch	McEnery	Apr-06	2
SAS	Event Simulation and Reconstruction for the GLAST LAT	Dubois, Burnett	Sep-06	2
SAS	The Data Pipeline Processing System for the GLAST LAT	Dubois	Mar-07	2
SAS	GLAST LAT Event Display	Giannitrapani, Frailis	?	3
SAS	Validations of the Geant4 Physics as Applied to GLAST LAT Simulations	Giglietto, Longo, Rando	?	2
TKR	Track Reconstruction in the GLAST LAT	Atwood, Usher, Rochester	Aug-05	2
TKR	A Monte Carlo Truth Pattern Recognition for Algorithm Verification and Testing	Usher	Feb-06	3
TKR	Performance of the GLAST Tracking System Derived from Cosmic Ray Testing Prior to Launch	do Couto e Silva, Baldini, Giglietto	Mar-06	2
TKR	Design, Construction, and Performance of the GLAST LAT Tracker	R. Johnson and R. Bellazzini	?	2
TKR	Position Errors in Finite Thickness SSD's	Cohen-Tanugi, Rochester, Atwood	May-06	3
TKR	Internal Alignment of the GLAST LAT TKR Using Sea-Level Muons	Tajima, Rochester, Kuss	Jun-06	2
TKR	Detailed MC Simulations of the GLAST LAT Silicon Strip Detectors and Front-end Electronics	Brez, Mazziotta	?	3
TKR	Design and Performance of the GLAST LAT Tracker Readout Electronics	R. Johnson	?	2
TKR	Fabrication and Testing of the GLAST LAT Tracker Readout Electronics	R. Johnson, M. Ziegler, M. Sugizaki	?	3
TKR	Environmental and Electrical Tests of the GLAST LAT Silicon Tracker	Cecchi, Mazziotta, Latronico	?	3
TKR	Radiation Tolerance Testing of the GLAST LAT Tracker Electronics	Rando, Sadrozinski, Ohsugi	?	3
TKR	Use of the Complete Monte Carlo geometry for determination of multiple scattering errors	tbd	Jun-06	3