



# GLAST

The Gamma-ray Large Area Space Telescope

SWG Activities  
Symposium Status

17 November 2006



## SWG Activities

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- **Telecon 19 October. Minutes posted on the web.**
- **SWG review of expected performance relative to SRD requirements tables (LAT, GBM, Observatory) now scheduled for 2 February at Stanford.**
  - **convenient to hold this just prior to GLAST Symposium**
  - **three external, additional reviewers have agreed to participate:**
    - **W. Hermsen, D. Kniffen, E. Fenimore**



# The First International GLAST Symposium

5-8 February 2007  
Stanford University



The Gamma-ray Large Area Space Telescope, GLAST, is a mission to discover and study cosmic gamma-ray sources in the energy range 20 MeV to  $>300$  GeV, with supporting measurements for gamma-ray bursts from 10 keV to 30 MeV. With its launch in Fall 2007, GLAST will open a new and important window on a wide variety of high-energy phenomena, including black holes and active galactic nuclei; gamma-ray bursts; pulsars; the origin of cosmic rays and their relation to supernova remnants; probes of the optical-UV EBL; new source classes; solar physics; and searches for signals of new physics. The first Guest Investigator Cycle will start in 2007, with proposals due soon after the Symposium. The first Symposium will focus on the new scientific investigations enabled by GLAST, mission and instrument characteristics, analysis tools and opportunities for guest investigators, and coordinated observations and analyses.

For more information, please visit the Symposium website at:  
<http://glast.gsfc.nasa.gov/science/symposium/2007/>

#### International Organizing Committee:

W. B. Atwood (UCSC)  
G. Barbiellini (Trieste)  
R. Blandford (KIPAC/Stanford)  
E. Bloom (SLAC)  
C. Dermer (NRL)  
B. Dingus (LANL)  
N. Gehrels (GSFC, U. Maryland, & PSU)  
P. Giommi (ASDC)  
I. Grenier (CEA)  
J. Grindlay (Harvard)  
W. Hermsen (SRON)  
C. Kouveliotou (MSFC/NSSTC)  
G. Lichti (MPE)  
K. Makishima (Tokyo)  
J. McEnery (GSFC)  
C. Meegan (MSFC/NSSTC)  
P. Michelson (Stanford)  
J. Ormes (Denver)  
M. Pohl (Iowa)  
S. Ritz (GSFC and U. Maryland)

#### Local Organizing Committee:

Robert Cameron  
Nancy Christiansen  
Tuneyoshi Kamae  
Greg Madejski  
Ziba Mahdavi  
Peter Michelson  
Debbie Nicholson  
Patrick Nolan  
Olaf Reimer  
Rosenna Yau  
Lucy Zhou



Photo: D. Osheroff

More information about the mission can be found at  
<http://glast.gsfc.nasa.gov/> and at links therein.



## Recent Symposium Activities

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- Lots of work by the LOC (Michelson et al)
- IOC telecon and email exchanges to review program, select list of invited speakers.
  - invitations out (first wave), responses coming in. **Second wave next week.**
- abstract submission instructions to be posted early next week, along with circulation of 2nd Bulletin.
- poster ready and (about to be) linked to web page
- updates to web page
  - satellite meetings info, important dates and deadlines, updates to LOC membership.
  - **PLEASE REGISTER!**
- Contract with AIP for Proceedings signed. Articles will be linked to ADS, as we discussed.



## Plenary Topics (from previous IOC telecon)

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- **Opening talks**
  - **big, fundamental questions GLAST will address; leap from GRO to GLAST.**
  - **mission overview, MW connections, and how GI's get involved**
- **Blazars, microquasars, EBL and related topics**
- **Pulsars, SNRs and Cosmic rays**
- **Extended Sources and Diffuse Emissions**
- **Surveys and Population Studies, New Point Source Classes**
- **GRBs and solar flares**
- **Dark Matter and New Physics Search Windows**
- **Summary talk(s), visionary talk? TBD.**
  
- **Plan to leave extra time in the plenary sessions for additional/hot-topic contributions.**



# Details of Plenary Sessions

- Total of 14-15 hours of plenary sessions, in 6 basic blocks of time. Total of 6 overall topics plus Opening/Closing sessions.
- Strawperson schedule:

Monday	Tuesday	Wednesday	Thursday
8-9 Registration, coffee, posters	8-9 coffee, posters	8-9 coffee	8-9 coffee
9-10:30 Opening talks (2) 10:30-12:00 Blazars I (3)	9-10 Surveys/populations, new source classes (2) 10-10:30 new source classes contributed 10:30-11:00 break 11:00-12 Extended Sources (2)	9-12 plenary with one break <u>Additional topics and contributions.</u>	9-10 Dark Matter and New Physics Search Windows (2) 10:00-12:00 Summary talks
12-13:30 lunch	12-13:30 lunch	12-13:30 lunch	12:00 End of Meeting
13:30-14:30 Blazars II (2) 14:30-15:00 Blazars contributed 15:00-16:00 Pulsars/SNRs (2) 16:00-16:30 Pulsars/SNRs contributed	13:30-14:30 posters	13:30-15:30 parallel sessions I	Afternoon open for satellite meetings
16:30-17:30 posters	14:30-15:30 Diffuse emissions (2)	15:30 break	
17:30-19:00 reception	15:30-17:00 GRBs (3) 17:00-17:30 GRBs contributed 18:00 end of posters	16:00-18:00 parallel sessions II	
evening free	19:00 BANQUET at Stanford Faculty Club	19:00 Public Lecture TBD	



# Resulting Distribution

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- [Each 30-minute talk = 20 minutes+ 10 minutes questions/discussion]
- Blazars, microquasars, EBL and related
  - 5 30-minute talks plus 30 minutes for contributed.
- Pulsars, SNRs, cosmic rays
  - 2 30-minute talks plus 30 minutes for contributed.
- Surveys, population studies, new point source classes
  - 2 30-minute talks plus 30 minutes for contributed.
- Extended sources and diffuse emissions (galactic & extragalactic)
  - 4 30-minute talks plus 0 minutes for contributed.
- GRBs and Solar Flares
  - 3 30-minute talks plus 30 minutes for contributed.
- Dark Matter and New Physics Search Windows
  - 2 30-minute talks plus 30 minutes for contributed.
- Additional block of 2.5 hours (~5 slots) available Wednesday morning for additional contributions and other topics.



# Parallel Sessions, Posters, Satellite Meetings

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- **3 or 4 rooms available for two sets of parallel sessions on Wednesday afternoon.**
- **Guessing ~150-200 posters**
- **Topics moved from plenary to posters/parallels:**
  - **analysis techniques**
  - **future missions, facilities**
  - **current status other facilities**
  - **detailed subtopics of plenary**
- **Additional parallel session topics? Will be defined by abstracts.**





## GSSC Booth

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- **GSSC booth or station staffed throughout the meeting**
  - **workstations set up to browse the GSSC and related websites. mechanisms for immediate feedback.**
  - **handouts and Q&A on proposal tools**
  - **“getting started” sheet to be included in registration packet**
- **This approach seems better than having a devoted session in the Symposium.**