

Fermi GST IFC Meeting of 27-28 February 2009

Actions Taken

1. **Action:** The IFC thanks our hosts, Takashi Ohsugi and his colleagues at Hiroshima University, for preparing an excellent meeting, and a delightful introduction to some of the unique aspects of this region in Japan. One of the major benefits of these IFC meetings is that it affords us the opportunity to experience the diversity of our respective cultures, which have collaborated so effectively in the development of the FGST mission.
2. **Action:** The IFC congratulates the entire LAT team on the near flawless operation of the LAT instrument and the outstanding performance of the ISOC in quickly and efficiently transforming raw data into scientific results. FGST has been a remarkably successful mission to date, and will have enormous impact on a wide range of fields in astroparticle physics.
3. **Action:** The IFC expresses its appreciation to NASA for the excellent performance of the mission operations of the FGST observatory.
4. **Action:** The IFC was excited to hear a synopsis of the scientific discoveries that have already come from FGST, as presented by Peter Michelson and Nicola Omodei. We note with interest the discovery of a new class of gamma-ray pulsars, the large number of active galaxy sources that have been detected, the rich phenomena observed in gamma-ray bursts, and the important limits on exotic physics processes that have come from measurements of the diffuse gamma-ray background, and the high energy electron spectrum in orbit. The Collaboration is functioning well at preparing these results for timely presentations at scientific meetings and publication in the professional literature. We commend the timely release of the 3-month source list and the associated publications.
5. **Action:** The IFC thanks the outgoing Project Scientist for FGST, Steve Ritz, for his extensive leadership efforts over many years. We look forward to his continuing participation as Deputy Principal Investigator for the LAT, as he moves into his new role at UCSC. We also welcome Julie McEnery as the incoming Project Scientist.
6. **Action:** The IFC appreciated the reports on the ISOC operational and computing performance as presented by Rob Cameron and Richard Dubois. All systems appear to be functioning extremely well. The presentation of the data storage needs for LAT analyses successfully addressed our desire to better understand the computing costs that are covered by the OCF.
7. **Action:** The IFC followed with interest the discussion of the evolving state of scientific computing at SLAC, but took note of the commitment by SLAC management to maintain its functional requirements to support LAT computing, even if the costs to support those requirements should rise internally.
8. **Action:** The IFC appreciated the detailed accounting of the technical rationale for sustaining engineering costs in the ISOC over the past year, and accepts the justification for maintaining a budget for such activities in the OCF over the next few years. We encourage the LAT and ISOC management to continue to ensure

that OCF funding is used to optimize the scientific return from and the technical integrity of the experiment.

9. **Action:** The IFC approves the proposed increases in the CY09 budget to support travel for the computing coordinator and increased publications costs. The resulting charges to individual member agencies were noted and approved.
10. **Action:** The IFC approves adopting travel by the computing coordinator as a new ongoing category of expenses covered by the OCF.
11. **Action:** The IFC took note of the projected CY10 budget projections, as presented by Peter Michelson. The ratification of this budget will occur at the November meeting.
12. **Action:** The IFC appreciated hearing from Peter Michelson of his discussions with those few Full Members of the Collaboration whose funding agencies do not contribute to the OCF. Some progress has been made on this issue, but it has not been completely resolved. We look forward to an update at the November meeting. We reiterate our hope that equitable OCF contributions can be obtained from all agencies with Full Member participation in the LAT Collaboration in CY10 and beyond.
13. **Action:** The IFC was pleased to hear of the very strong support of the FGST-LAT project on behalf of all of its member agencies. We note that there may be funding challenges at several agencies in CY10 and beyond.
14. **Action:** The next meeting will be held in the Washington, DC area, close to the time of the Fermi Symposium in early November 2009. The exact date will be communicated later by email.

Action Items for the November 2009 Meeting:

1. **Action:** The Collaboration will provide an update on negotiations with Full Members funded by agencies that do not contribute to the OCF. The IFC members offered assistance in these negotiations if the Collaboration management would find that helpful.
2. **Action:** The computing model for LAT data processing and analysis has made progress, but is still not complete. The Collaboration will prepare an update for the next meeting. In particular, the formal roles of the Lyon Computing Center and CNAF should be clarified.
3. **Action:** SLAC will provide clarification of the overhead rate structure as applied to the OCF.
4. **Action:** The Collaboration will present a final budget projection for CY10.