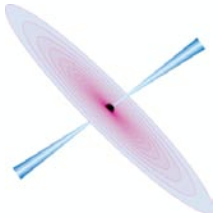


---

# GLAST Science Plan

Neil Gehrels (GSFC)

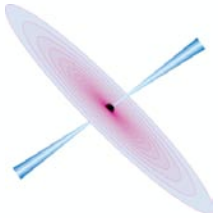
GLAST SWG Meeting  
Huntsville  
September 12-13, 2001



# Introduction

---

- GLAST Science Plan to summarize mission elements and describe scientific plans and opportunities
- Modeled on the GRO Science Plan
- Project Document

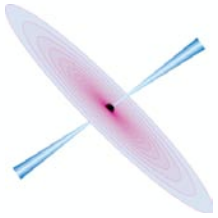


# Outline

p. 1

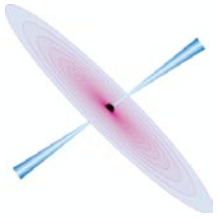
---

1. Introduction
2. Science Rationale
  - Preceding missions
  - Key questions
  - Capabilities onboard to address key questions



## 3. Mission Description

- Mission
- Instrument Summary
- Spacecraft
- Observing Modes
- Ground System

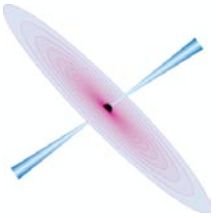


## 4. Instruments

- Hardware
- Performance Tables
- Comparison to EGRET and BATSE
- Mass, Power, Telemetry Tables
- Instrument Diagrams
- Onboard Processing (TBD)
- Transient Detection

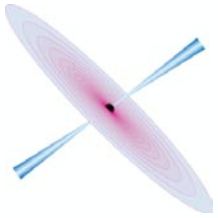
## 5. Data Flow and Management

- Summary of PDMP and Ops Concept



## 6. Scientific Investigations

- Overview
- AGN
- Isotropic Background Radiation
- GRB
- Solar Flares
- Interstellar Clouds, SNR, Normal Galaxies
- Endpoints of Stellar Evolution (Neutron Stars and Black Holes)
- Unidentified Gamma-Ray Sources
- Dark Matter



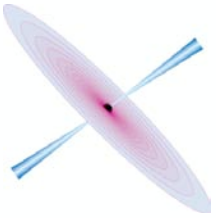
# Outline

p. 5

---

## 7. Science Plans

- LAT Team Science
- GBM Team Science
- Guest Investigator Opportunities
- Archival Research



# Issues for Discussion

---

- To what extent should mission parameters be requirements vs actual expected performance?
- To what extent should the instrument team proposed science be included?