Fermi Users Group

FSSC Status Report

Chris Shrader,
Fermi Science support Center
NASA/GSFC

FSSC Status, Major Activities

- Cycle-8 preparations
- Science tools & P8 release plans (Dave)
- Scheduling and planning support (Robin)
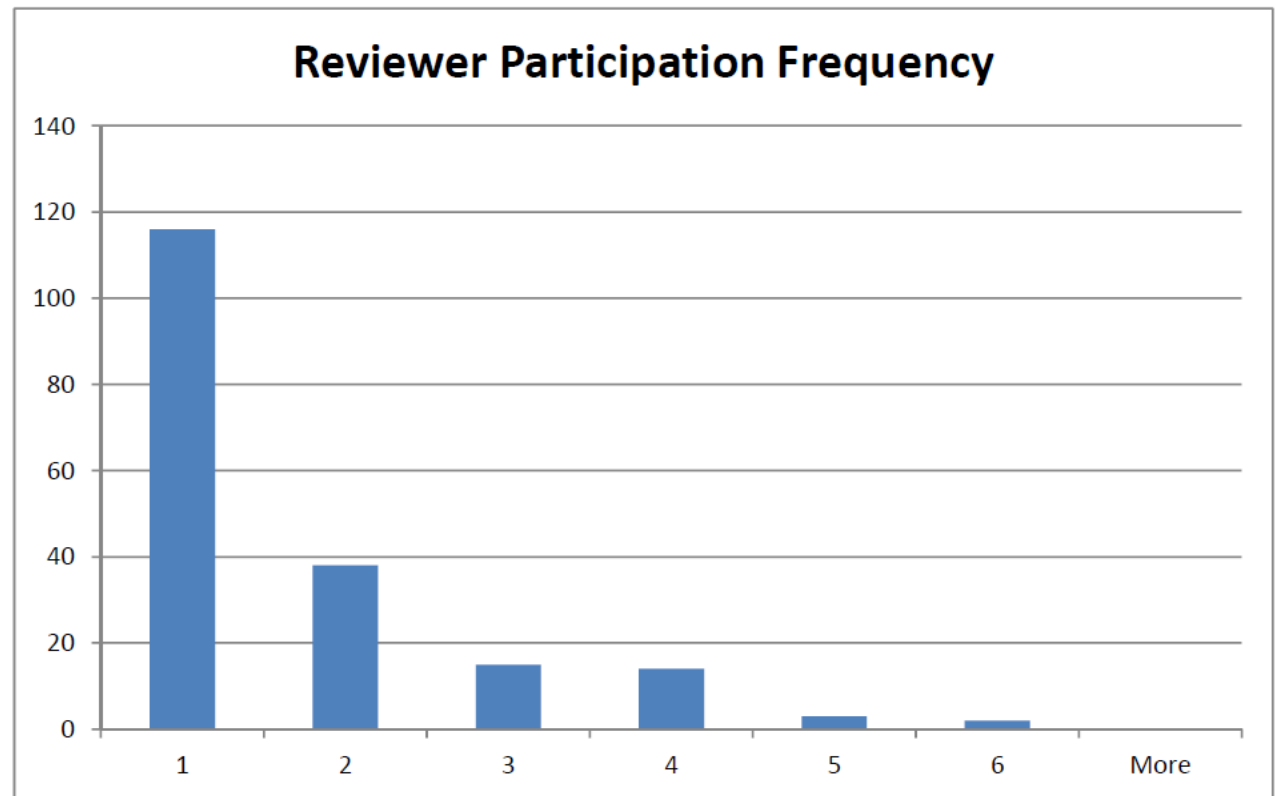- Data operations, archive, user support activities nominal

A few Issues

- Inquiries from FUG regarding
  - ➢ Public dissemination of *pointlike* SW
  - ➢ Proposal review committee composition
    - ❑ Addressed in subsequent report
  - ➢ Gender statistics (Julie)

Review Panel Participation

FUG inquired about Fermi proposal review panel participation history

Typically, repeat participants are common, but only 1 or 2 >3 times per given panel.

Reviewer Participation Frequency

Inquiry to FUG: *pointlike*

- *pointlike* does not offer unique capabilities beyond STs and *gtlike*.
- Runs than *gtlike* in some cases,
- Some tasks are easier to perform (e.g. extended analysis)
- *pointlike* is not ready for a public release.
- Code continues to be in development (setup issues, occasional crashes etc.)
- Could possibly be released, but not with the level of support provided for general Science Tools package

Cycle-8 GI Program Report

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Cycle 8 GI Program

- **190 proposals received at the FSSC by 1/22/2015 due date**
  - This represents about a 15% drop *wrt* Cy-5-7
  - Must consider in context ~60% budget drop
- **Cycle-8 Schedule:**
  - Form review committees & tech evals ongoing
  - Scientific peer review in late March 2015
  - Stage-I selections ~late April, stage-II late June
  - Cycle 8 starts in August 2015

Cycle-8 Quick Statistics
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190 proposals received, involving 500 individual investigators at 250 institutions

2 Large, 61 2-year, 3 Progress Reports

30% Theory, 25% Correlated Observations
3 pointed observation requests
$9.626M requested, $62k/yr average (excluding large)

33% Extragalactic, 16% Pulsars, 17% GRBs, 2% Solar, 17% diffuse/SNRs, 15% misc.

Joint programs (proposals / obstime)

NRAO: (10 / 200 hrs)
NOAO: (4 / 441 hrs)
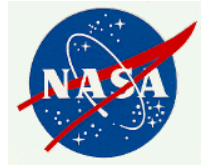VERITAS: (10 / 445 hrs)
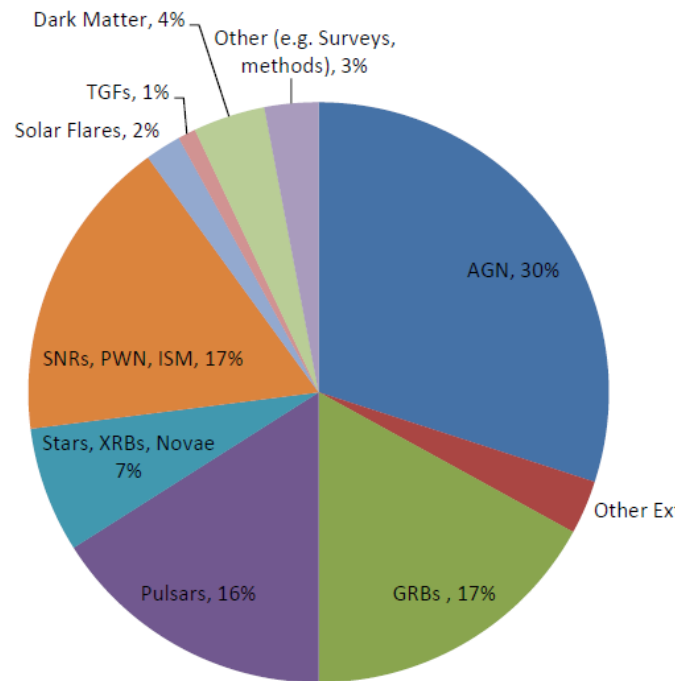Arecibo: (4 / 150hrs)
INTEGRAL: (1 / 100ksec)
Suzaku: (0 / 0)

Approved (tbd)

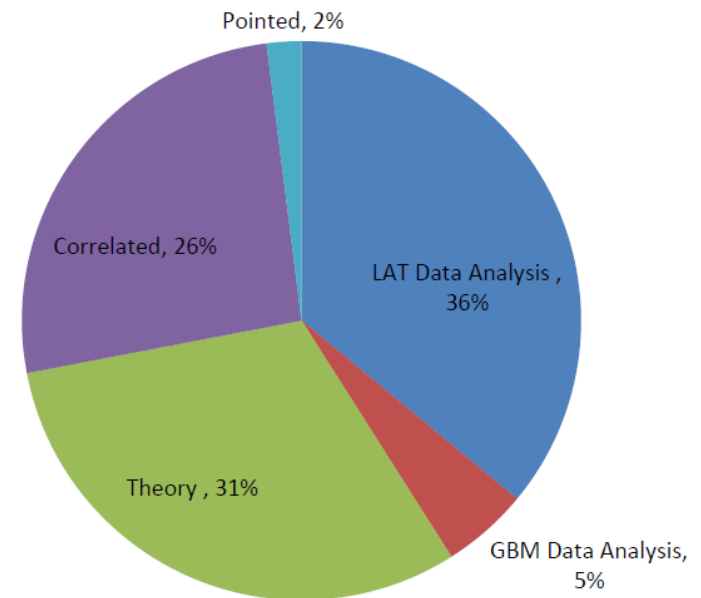*approximate*, based on $3M available budget:
~15%, 20-25 new proposals

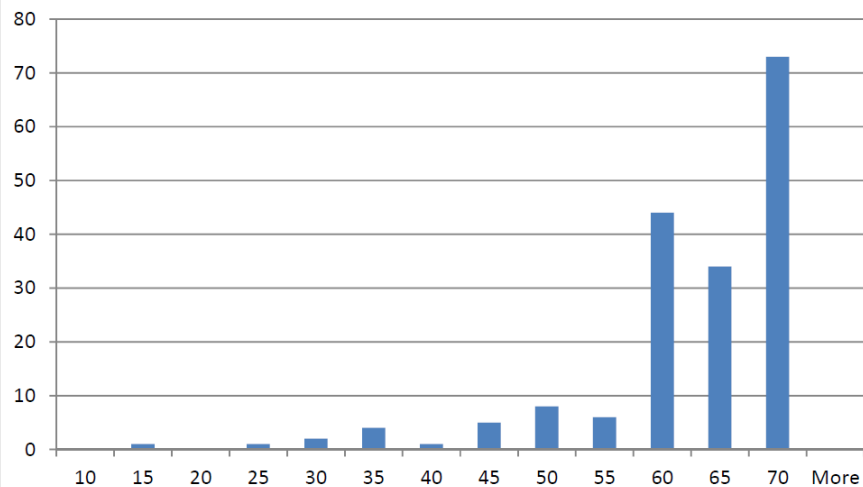## Topical Breakdown of Submitted Proposals

- Dark Matter, 4%
- Other (e.g. Surveys, methods), 3%
- TGFs, 1%
- Solar Flares, 2%
- AGN, 30%
- SNRs, PWN, ISM, 17%
- Stars, XRBs, Novae 7%
- Pulsars, 16%
- GRBs , 17%
- Other Ex

Distribution of Grant Requests ($k)

Submitted Proposals by Type

- Pointed, 2%
- Correlated, 26%
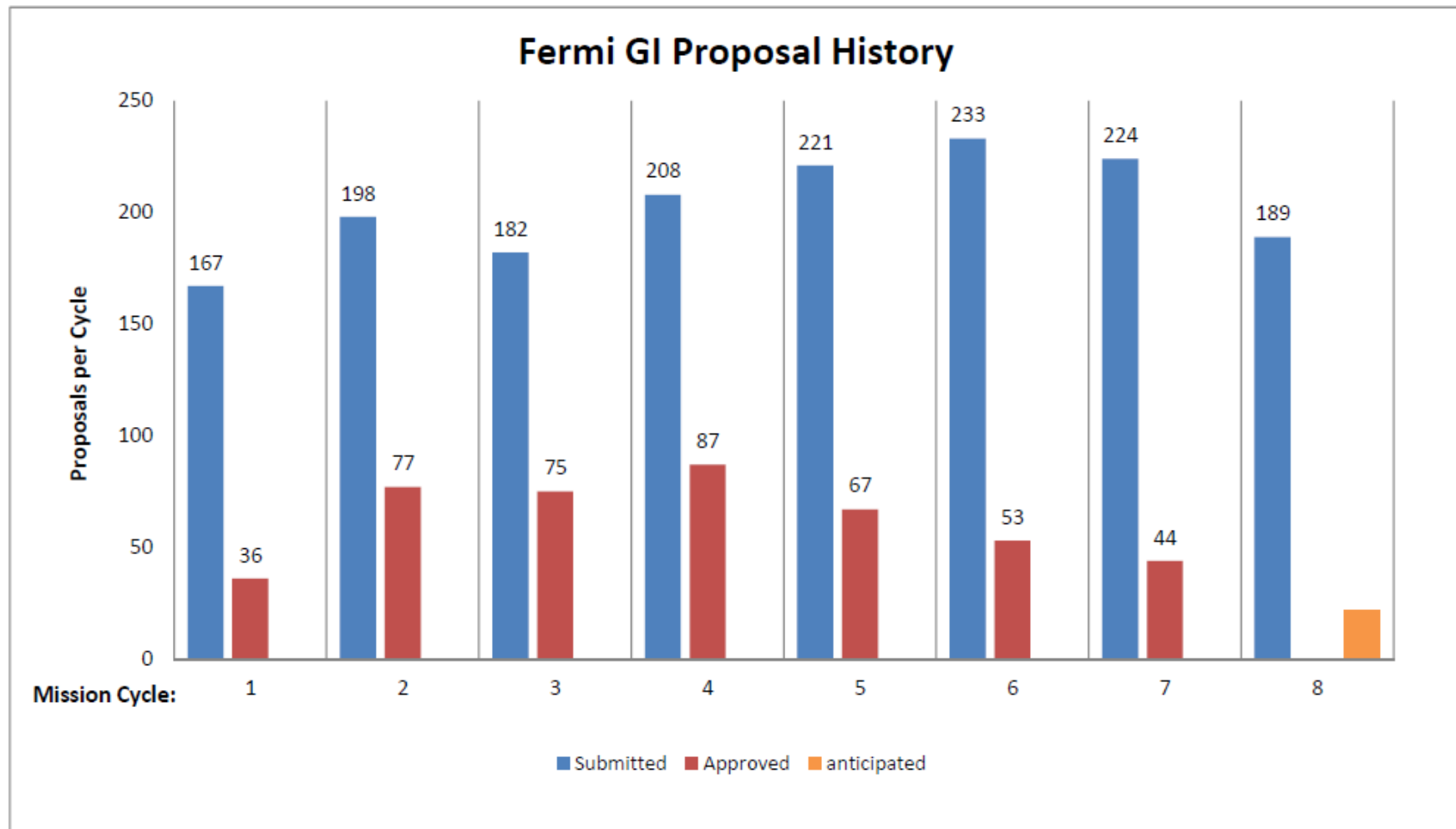- LAT Data Analysis , 36%
- Theory , 31%
- GBM Data Analysis, 5%

Cycle 8 GI Program

- Some budgeting details:
  - $3M available for cy-8 grants of which $1.7M is obligated for continuation of multi-year grants
  - The average request (not counting 2 Large project proposals) is $62k, thus we anticipate ~20 new Cy-8 awards w/o imposing new cost caps
  - Reduce cap for, e.g., lower 1/3 of proposals likely to be selected? Reduce Large Project cap? Reduce or eliminate 2-yr awards?
  - Other strategies?
- FUG input on how best to proceed

GI Program History

Extra Slides