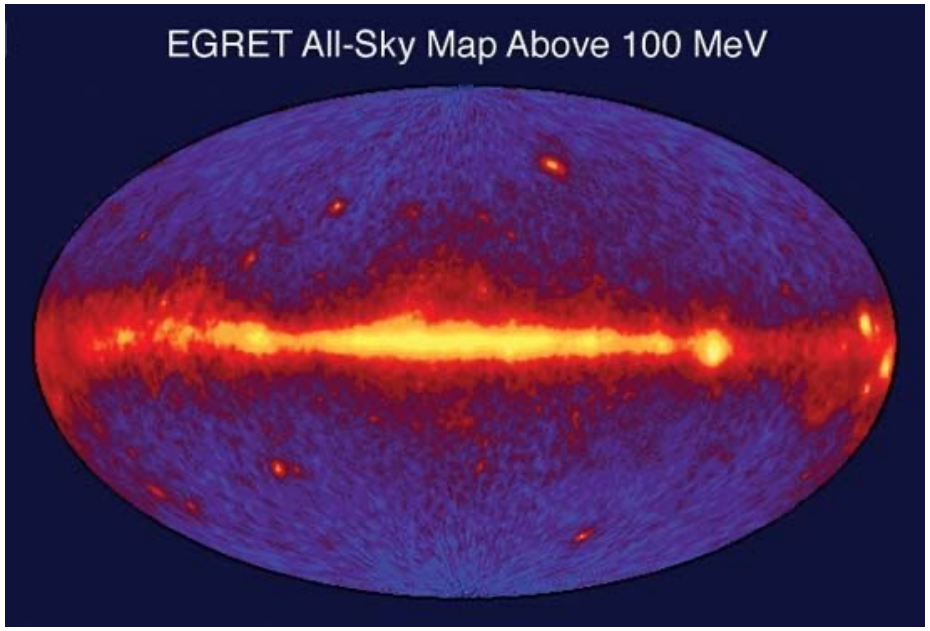
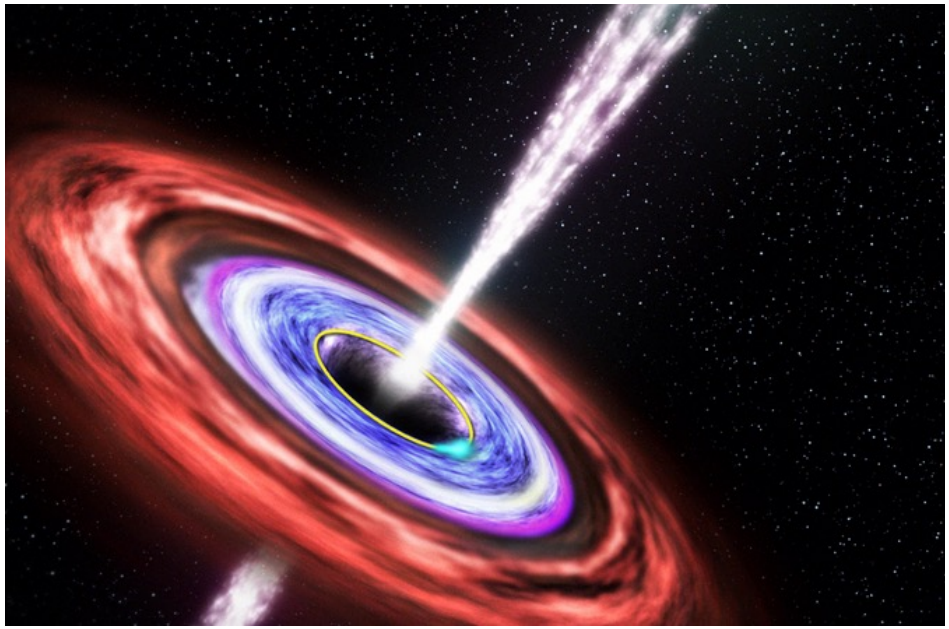
Gamma-ray Science Interest Group
Physics of the Cosmos





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10 April 2024

GR SIG

- **Co-Chairs**
  - Manel Errando (Wash. U at St. Louis)
  - Jeremy Perkins (GSFC)
  - Justin Finke (NRL)

This Meeting

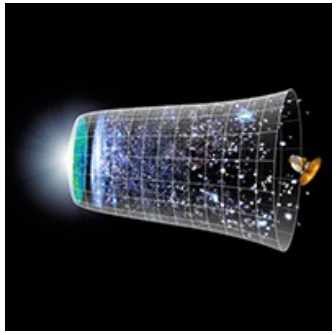
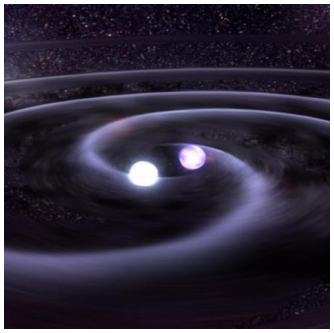
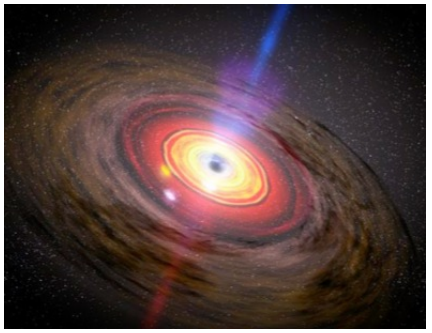
GR SIG Mailing List

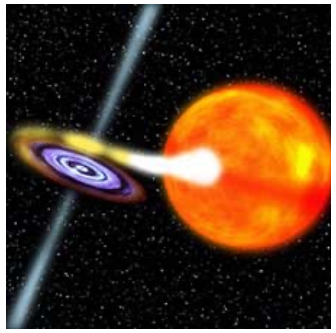
Science Analysis Groups (SAGs)

- **Short-term task force that produces a report that provides useful information to NASA**

- **Recent GR SIG-related SAGs:**
- **Future Innovations in Gamma-rays SAG**
- **TDAMM Communications SAG**
- **Astrophysics with Equity: Surmounting Obstacles to Membership (AWESOM) SAG**
- **Gamma-ray Transient Network SAG (completed)**

Meetings



- **FIG SAG Session (5:20 pm to 6:50 pm Granite Ballroom ABC)**
- **Webinars approximately every month or every other month**

11th Fermi Symposium

Get involved!

- Subscribe to the mailing list
- Come to the meetings and webinars
- Join a SAG/Start a SAG
- Visit the PhysPAG booth at this meeting
- Join the PhysPAG EC. Nominations in the Fall

Time	Event	Presenter
12:05pm – 12:10pm	Introduction	Justin Finke
12:10pm – 12:30pm	FIG SAG Update	Milena Crnogorcevic
12:30pm – 12:50pm	Magnetar Flares	Aaron Trigg
12:50pm – 1:10pm	Gamma-Ray/Neutrino Connection	Justin Vandenbroucke
1:10pm – 1:35pm	Discussion	

Questions/Comments?

Technology Gaps

- Technology Gaps form – due June 3
- Gaps related to future *strategic* missions – includes TDAMM
- Tech Gaps: TRL <= 5. SAT funds 3 <= TRL <=5.
- Public webinar on tech gaps May 14 (details TBD)
- Astro2020, pages S-3, 1-17, 7-18, 7-19
- "In space, the highest-priority sustaining activity is a space-based time-domain and multi-messenger program"

Astrophysics Strategic Technology Gap Input Form	
Technology Capability Gap Name:	Date Submitted:
Submitter Name:	Organization:
Telephone:	Email Address:
Prioritization Information (see accompanying instructions)	
Identify Strategic Missions Enhanced or Enabled by Closing this Technology Gap: ☐ HWO ☐ Far-IR Flagship ☐ X-ray Flagship ☐ CMB Probe ☐ Far-IR Probe ☐ X-ray Probe ☐ Other (write in below the mission name and reference where it is mentioned in Astro2020):	
Brief Description of the Technology Capability Needed (100 – 150 words):	