

NASA PHYSICS OF THE COSMOS
X-RAY SCIENCE INTEREST GROUP

XRSIG



AAS 241 Meeting | Seattle, WA | 2-3:30pm
Conference Room 103 and on Webex

2:00 - 2:05pm **Introduction** - XRSIG Co-Chairs
2:05 - 2:20pm **STAR-X MIDEX Phase A** - Ann Hornschemeier
2:20 - 2:35pm **LEM Probe Concept** - Ralph Kraft
2:35 - 2:50pm **AXIS Probe Concept** - Chris Reynolds
2:50 - 3:05pm **HEX-P Probe Concept** - Kristin Madsen
3:05 - 3:20pm **Arcus Probe Concept** - Randall Smith
3:20 - 3:35pm **STROBE-X Probe Concept** - Paul Ray

Intro to XRSIG



X-ray Science Interest Group

The goal of the X-ray Science Analysis Group (XRSIG) is to provide quantitative metrics and assessments to NASA in regard to future X-ray observatories. Specifically, the XRSIG will

- Track and analyze evolving science goals and requirements in X-ray astronomy, especially as current "hot" topics evolve.
- Provide an active communication forum for X-ray astrophysics (e.g., via town hall meetings at venues such as AAS and APS meetings).
- Support mission studies and concept development for future X-ray observatories.
- Analyze technology development and prioritization plans with respect to redefined science goals and the evolution of mission concepts (i.e., the XRSIG will aid the PhysPAG in analyzing technology needs).

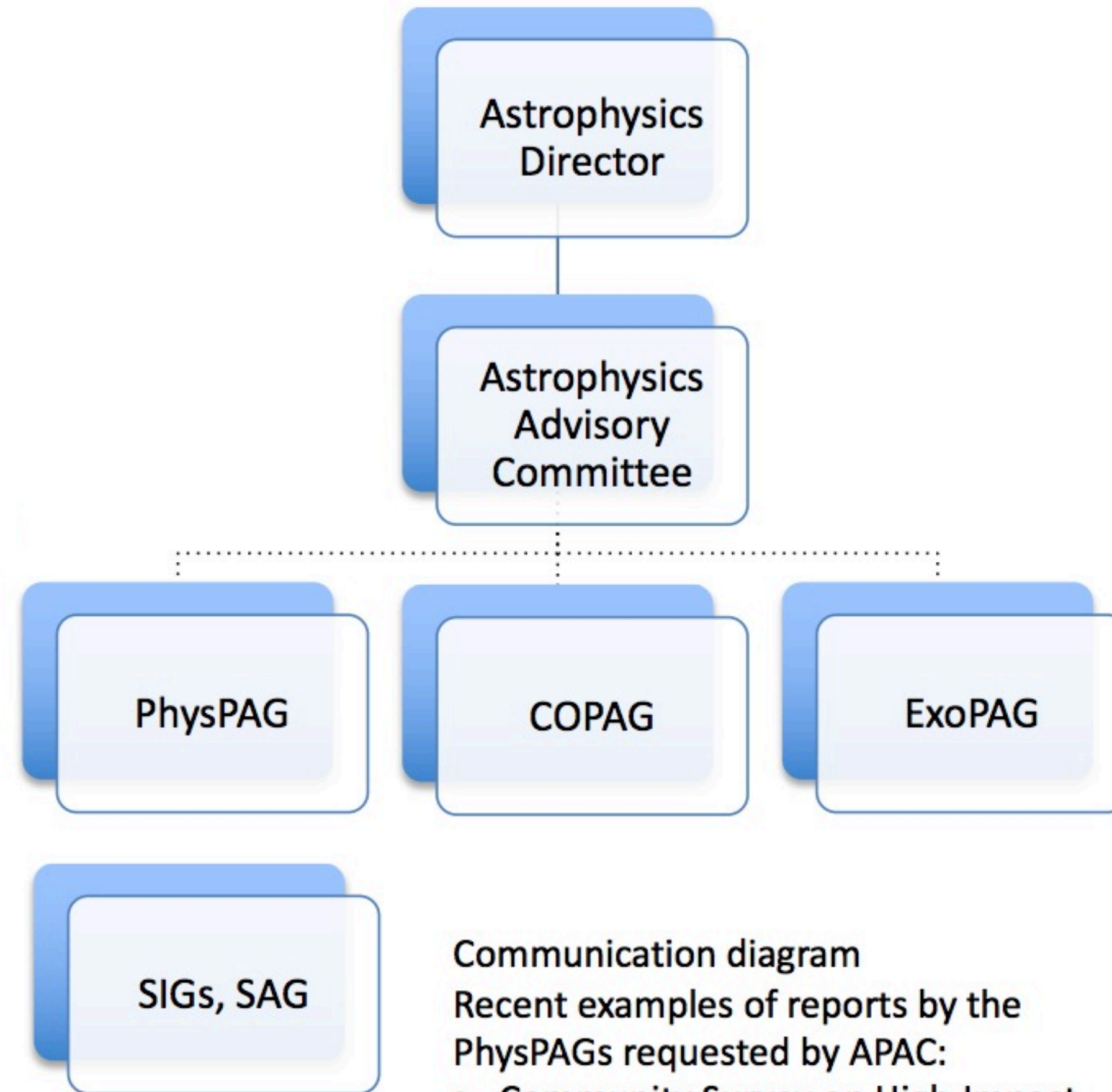
The XRSIG is open to all members of the community.

If you are interested in contributing to the work of the XRSIG, please subscribe (just Google "NASA XRSIG"). For other inquiries, e-mail co-chairs Ryan Hickox at ryan.c.hickox@dartmouth.edu, Grant Tremblay at grant.tremblay@cfa.harvard.edu, David Pooley at dpooley@trinity.edu, and Kristin Madsen at kmadsen@umbc.edu.

Communicating with NASA Astrophysics via the Program Analysis Groups (PAGs)



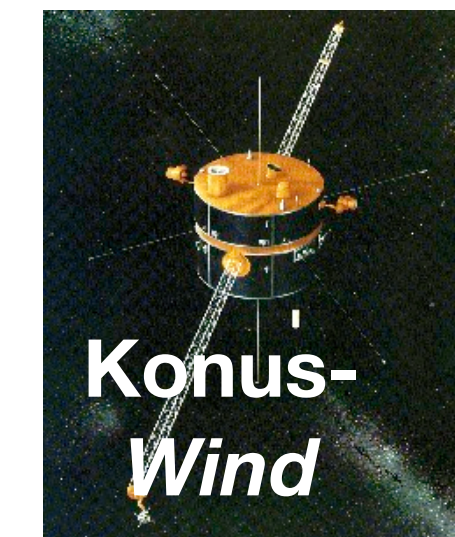
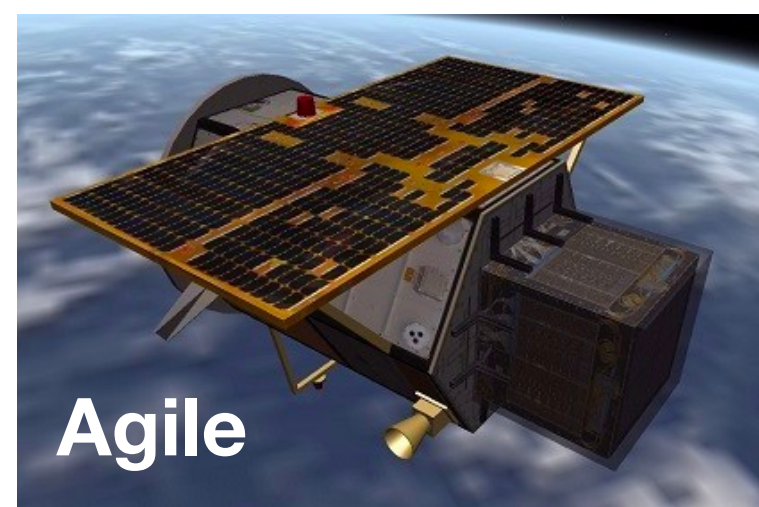
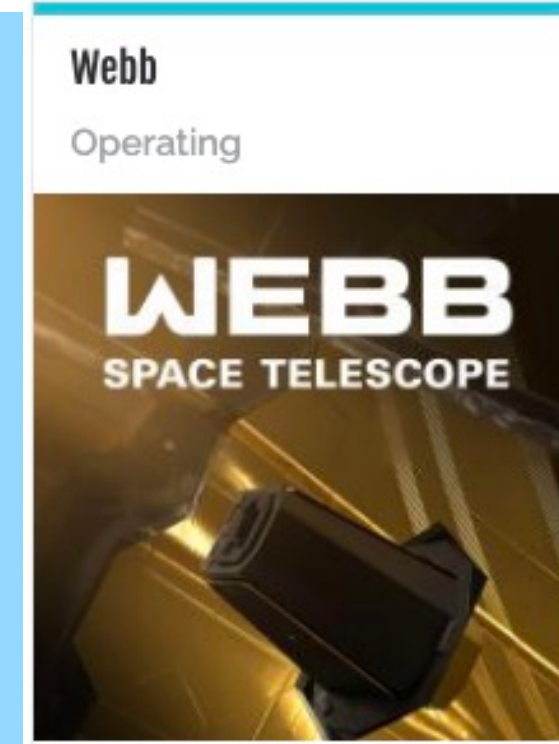
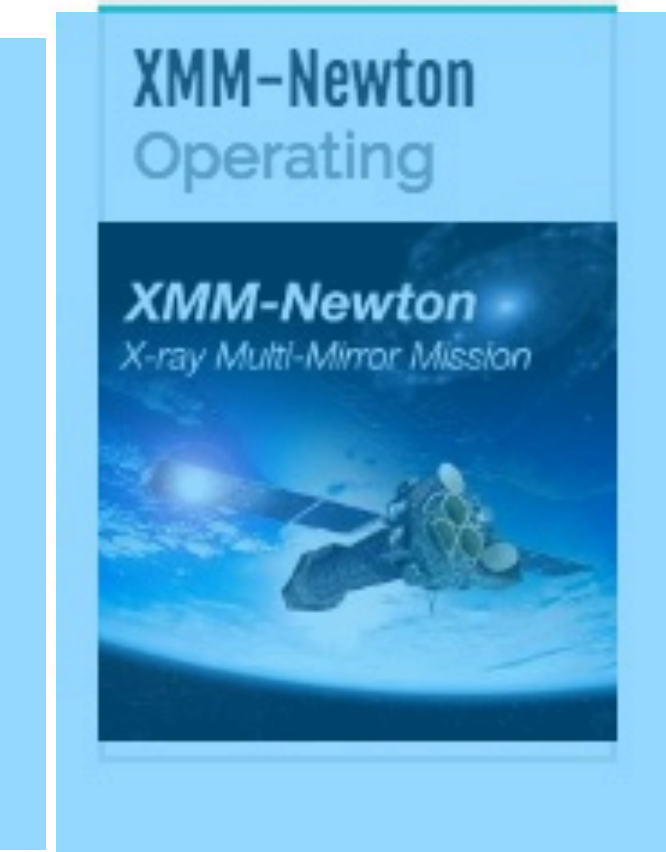
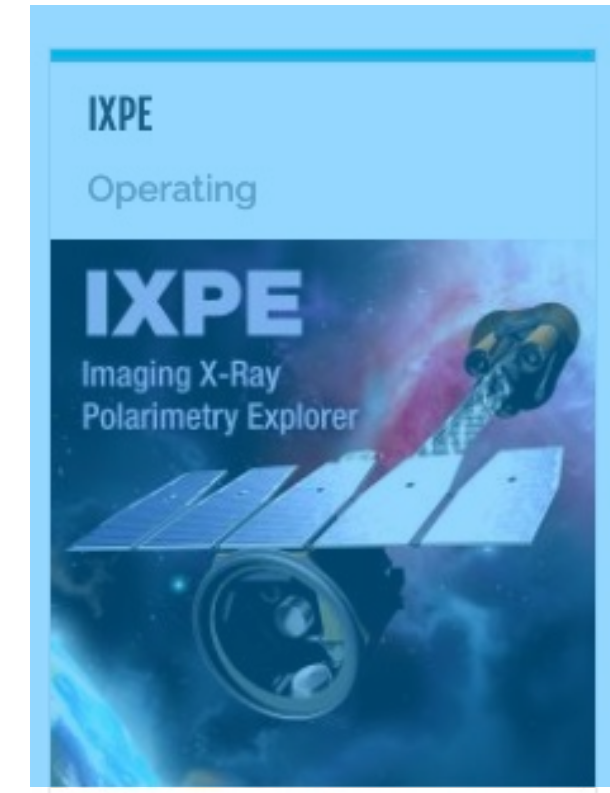
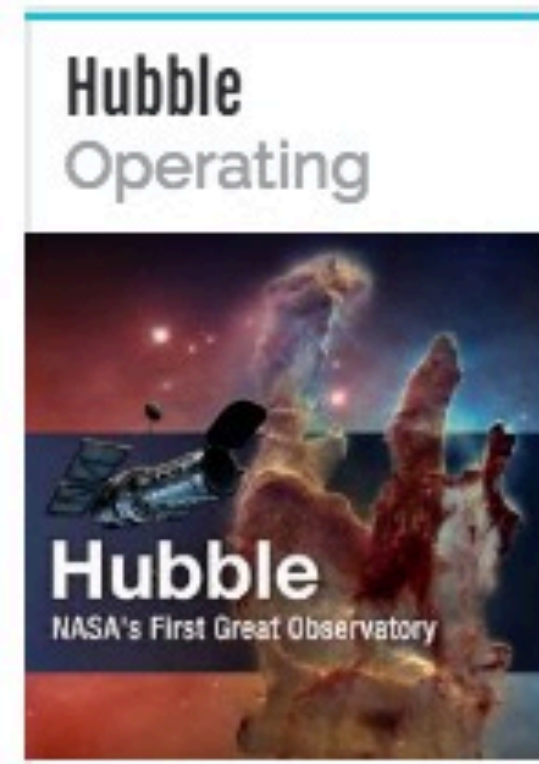
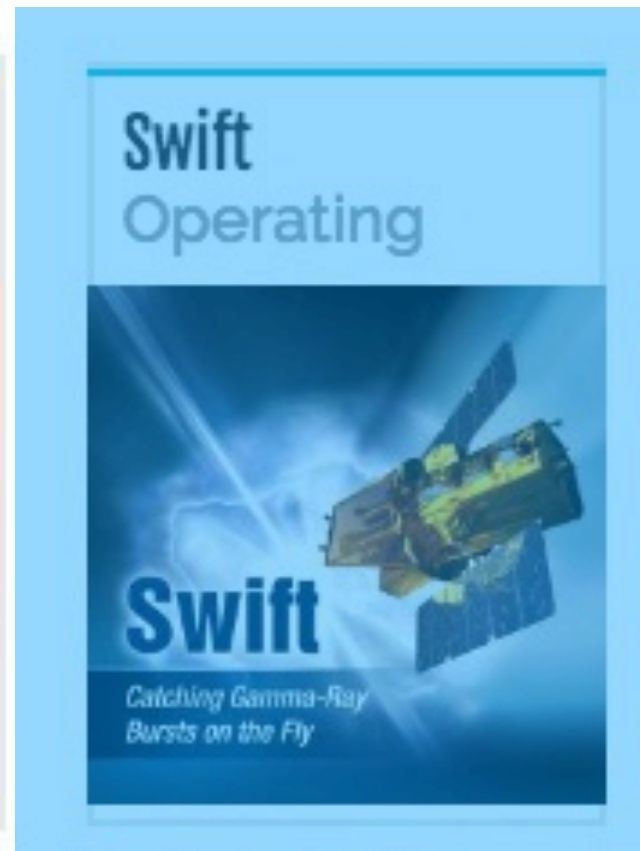
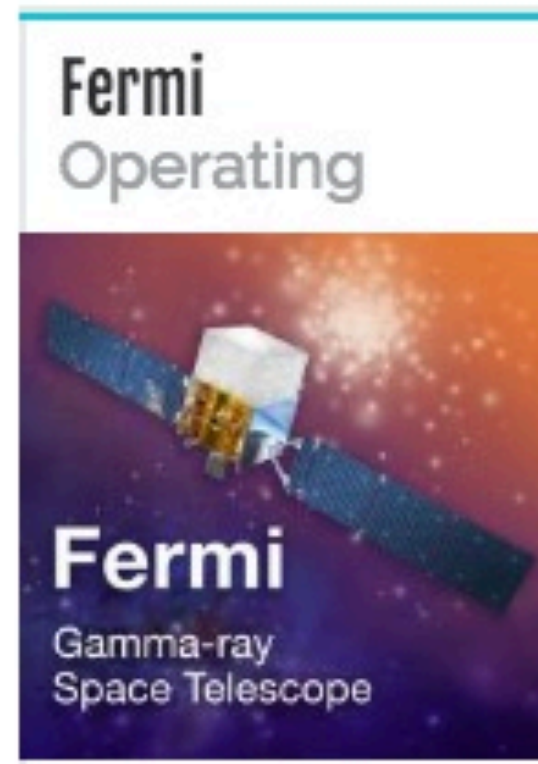
- The Physics of the Cosmos Program Analysis Group (**PhysPAG**) coordinates input and analysis from the scientific community in support of the PCOS program objectives.
- Study Analysis Groups (**SAGs**) **conduct specific analyses.**
- Science Interest Groups (SIGs) are longer-standing discipline fora.
 - IPSIG
 - GWSIG
 - **XRSIG**
 - GammaSIG
 - CRSIG
 - CoSSIG



Communication diagram
Recent examples of reports by the PhysPAGs requested by APAC:


- Community Survey on High-Impact Research Science
- Community Survey on Possible Delay in 2020 Decadal Survey

Current X-ray space missions



X-ray Astronomy is Vibrant!



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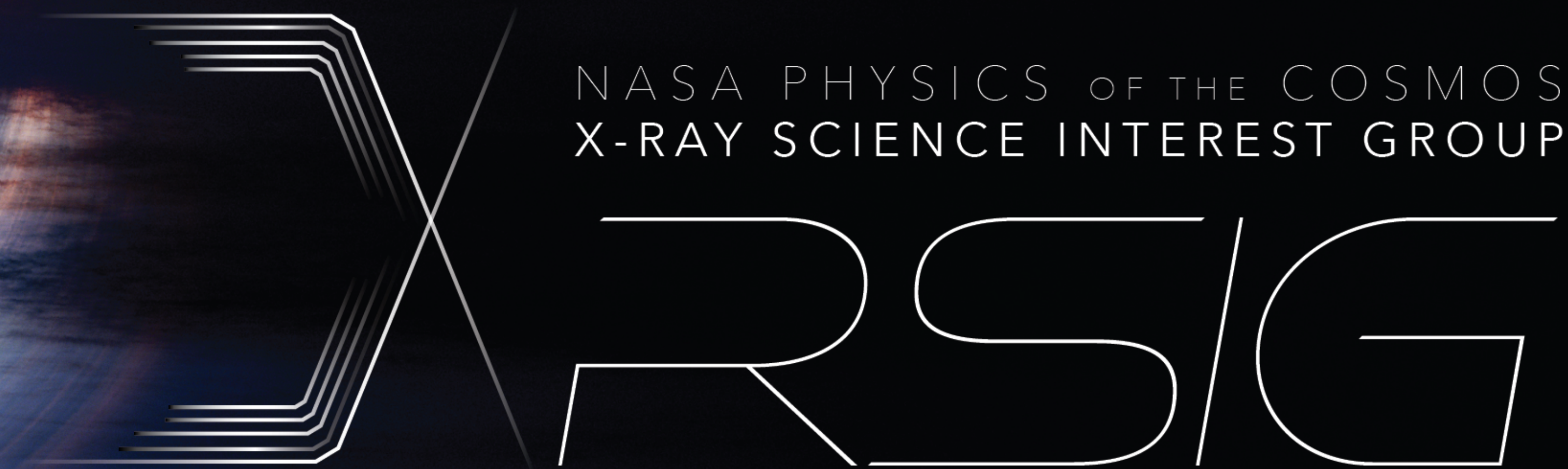
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Your search returned **4,743** results

Collection ✕
+astronomy

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The logo for XRSIG (X-Ray Science Interest Group) features the letters 'XRSIG' in a large, white, outlined font. The 'X' is composed of multiple parallel lines, giving it a 3D or layered appearance. The background of the slide is a dramatic space scene with a bright sun or star on the left, casting a long, colorful glow across a dark, starry field.

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