
Welcome to the XRSAG (X-ray SAG)

Jay Bookbinder (SAO)

jbookbinder@cfa.harvard.edu

X-ray SAG, August 14, 2012

X-ray SAG Agenda - Tues 08/14 - 16:15 – 18:00

- **Introduction to the X-ray SAG – 10 min – Jay Bookbinder**
- **International X-ray status and participation – Jan-Willem den Herder & open discussion (30 min)**
 - ESA L2/L3 status and process: impact of non-selection of ATHENA & NGO; plans for re-submittal
 - JAXA Astro-I status & process
 - developing int'l collaborations - new ideas and approaches.
- **X-ray Study Follow-up – Petre (30 min)**
 - Technology development plans
 - Mission studies supporting FY15 decision
- **PCOS Technology Needs Process & Inputs / Open Discussion – Thai Pham / Mark Clampin– 20 min**

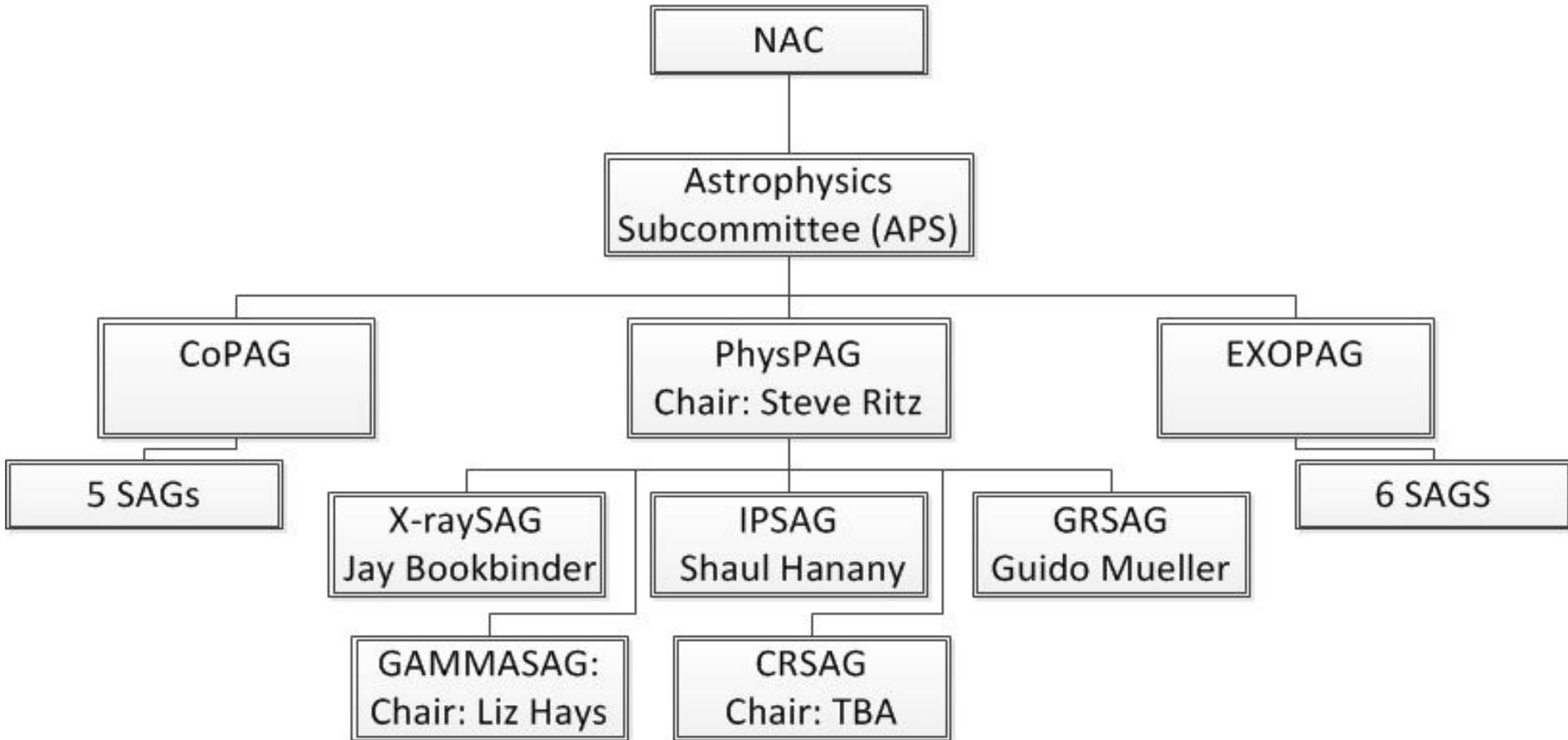
X-ray SAG Agenda – Wed 08/15 – 13:30 – 18:00

- **CST mission costing – lessons observed & open discussion- Daelemans –30 min**
- **Technology Development – Detectors**
 - Status of current efforts and future needs in detectors
- **Technology Development – Optics**
 - Status of current efforts in lightweight high resolution optics
- **Break – 30 min**
- **Future Instrument and Mission Planning – 60 min – Open discussions**
 - Future instrumentation (detectors/optics)
 - Upcoming instrument/mission opportunities - MoO, SMEX, rockets, other?
 - Strategy for achieving future probe-class or larger X-ray missions
- **Wrap-up – 10 min**
- **Future X-ray SAG meetings – 10min**
- **AOB**

X-ray SAG Structure

- Reports to the PhysPAG
 - Chairman of the X-ray SAG is a member of the Executive Committee of the PhysPAG
- Initiated shortly before the X-ray CST completed its report
- Participation:
 - Open to all members of the astrophysics and astronomy community. All interested scientists can contribute to the SAG by participating in telecons & meetings and/or by providing their input via the wiki.

X-ray NAC -> X-ray SAG Org Chart



Role of the X-ray SAG

- Enables community input to future X-ray mission planning with a focus on the capabilities of missions to meet the Decadal's science objectives, and ensure timely communication between NASA and the community.
- This role consists of four distinct sub-elements:
 - science framework
 - Advocacy & communication
 - mission definition & planning
 - associated technology planning

XRSAG - Tasks

- Provide quantitative metrics and assessments to NASA in regard to future X-ray observatories. Specifically, the XRSAG 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 XRSAG will aid the PhysPAG in analyzing technology needs).

Future X-ray SAG meetings

- Hold quarterly status telecons, with community participation
- Hold monthly tag-up telecons to assign actions and studies to SAG members.
- Hold (at least) annual in-person meetings and town halls at a well attend venue (AAS or APS meetings).
 - AAS Jan 2013 Long Beach CA
 - AAS June 2013 Indianapolis, IN
 - Other?
- Maintain a wiki/website
- **XRSAG-subscribe@lists.nasa.gov**

COPAG SAGs

- **SAG #1: Science objectives for a 4m–8m UV/Optical mission**, coordinated by *Ken Sembach*.
- **SAG #2: Technologies for a 4m-class monolithic telescope UV/Optical mission w/internal coronagraph.**
- **SAG #3: Technologies for an 8m-class segmented telescope UV/Optical mission w/external occulter.**
- **SAG #4: Technologies for a future far-IR mission**, coordinated by *Paul Goldsmith*.
- **SAG #5: Science objectives & technology requirements for a series of Cosmic Origins Probes**

EXOPAG SAGS

STUDY ANALYSIS GROUPS (SAGS)			
SAG	Topic	Chair (PoC)	Products
1	Debris Disks & Exozodiacal Dust	Aki Roberge	Pending
2	Potential for Exoplanet Science Measurements from Solar System Probes	Dave Bennett Dan Coulter	Pending
3	Planetary Architecture and Dynamical Stability	Brad Hansen	Pending
4	Planetary Measurements Needed for Exoplanet Characterization	Lisa Kaltenegger	Pending
5	Exoplanet Flagship Requirements and Characteristics	Charley Noecker , Tom Greene	Pending
8	State of Precision RV measurements for Planetary census	Bruce Macintosh , Brad Hansen	Pending

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