

Science Team meeting

2009 Feb 26

Agenda

1. Continuation of discussion
 - SXI mirror, SGD science, Filter wheel
2. Members
3. Tasks
4. Science of Astro-H
5. Response and background
6. Software development
7. Outreach
8. Other business

Members

Members (along Takahashi's plan)

PI Takaya Ohashi, Richard Mushotzky

Sub PI (Management): Kyoko Matsushita

Chris Done

Nomi Ota, Yoshihiro Ueda, Yuichi Terashima, Aya Bamba,

Noriko Yamasaki, Takashi Okajima

GSFC: Rita Sambruna, Keith Arnaud, Randall Smith

SLAC: Roger Blandford, Yasunobu Uchiyama

More members will join as time goes on

Tasks

- Response functions: preparation, evaluation, updating
- Detector background: preparation, evaluation, updating
- Software development and release to collaboration
- Simulation of observations
- Development of analysis software and its documentation
- Software for spacecraft operation (can be done by JAXA?)
- Homepage maintenance
- Astro-H brochure (?)

Science of Astro-H

Based on the discussion in the SWG meeting, we should review about the role of Astro-H and its uniqueness. Reaching some consensus among SWG members would be good

<mission objectives in GSFC homepage>

- * trace the growth history of the largest structures in the Universe
- * provide insights into the behavior of material in extreme gravitational fields
- * determine the spin of black holes and the equation of state of neutron stars
- * trace shock acceleration structures in clusters of galaxies and SNRs
- * investigate the detailed physics of jets

Response and background

- Following Matsushita-san's presentation about the response, we will review
- Current status of response function
- Background
- What are the problems
- What are needed

Software development

- How shall we develop softwares in a organized way? Who will be the leader?
- Simulation tools to produce spectra and image for point and extended sources, including background.
- New model spectra such as charge exchange emission, EXAFS spectra, etc.

Outreach

- Homepage: <http://astro-h.isas.jaxa.jp/>,
<http://heasarc.gsfc.nasa.gov/docs/astroh/>
- Science Team should help updating the contents.
- Astro-H brochure?

Other business

- Scientific papers
- Any work for PDR?
- Next meeting