

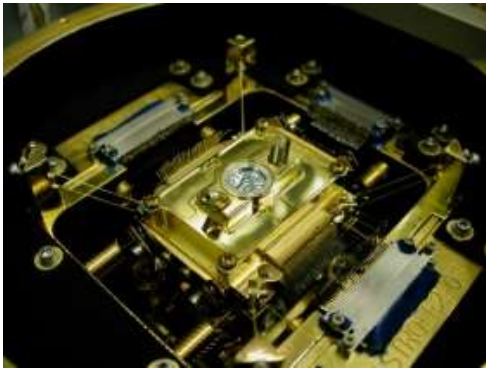
Recent Topics of X-ray Astrophysics with XRISM

Aya Bamba (U. Tokyo)

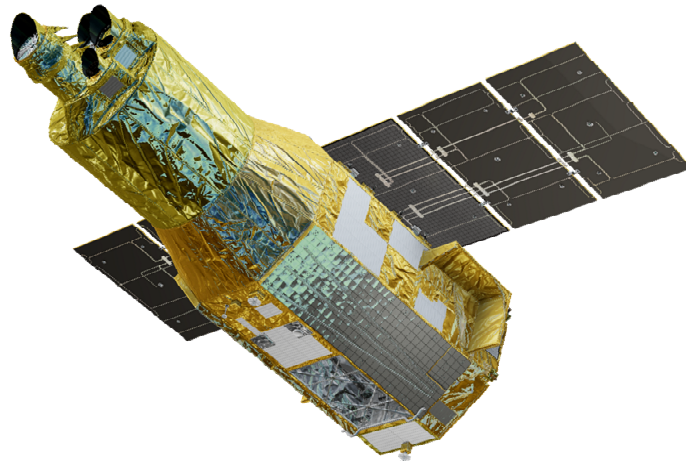
1.1. XRISM satellite

XRISM is Japan - US X-ray observatory with two detectors.

Resolve



X-ray calorimeter
with excellent E resolution
Spatial resolution of ~ 30 asec
with FoV of $3' \times 3'$

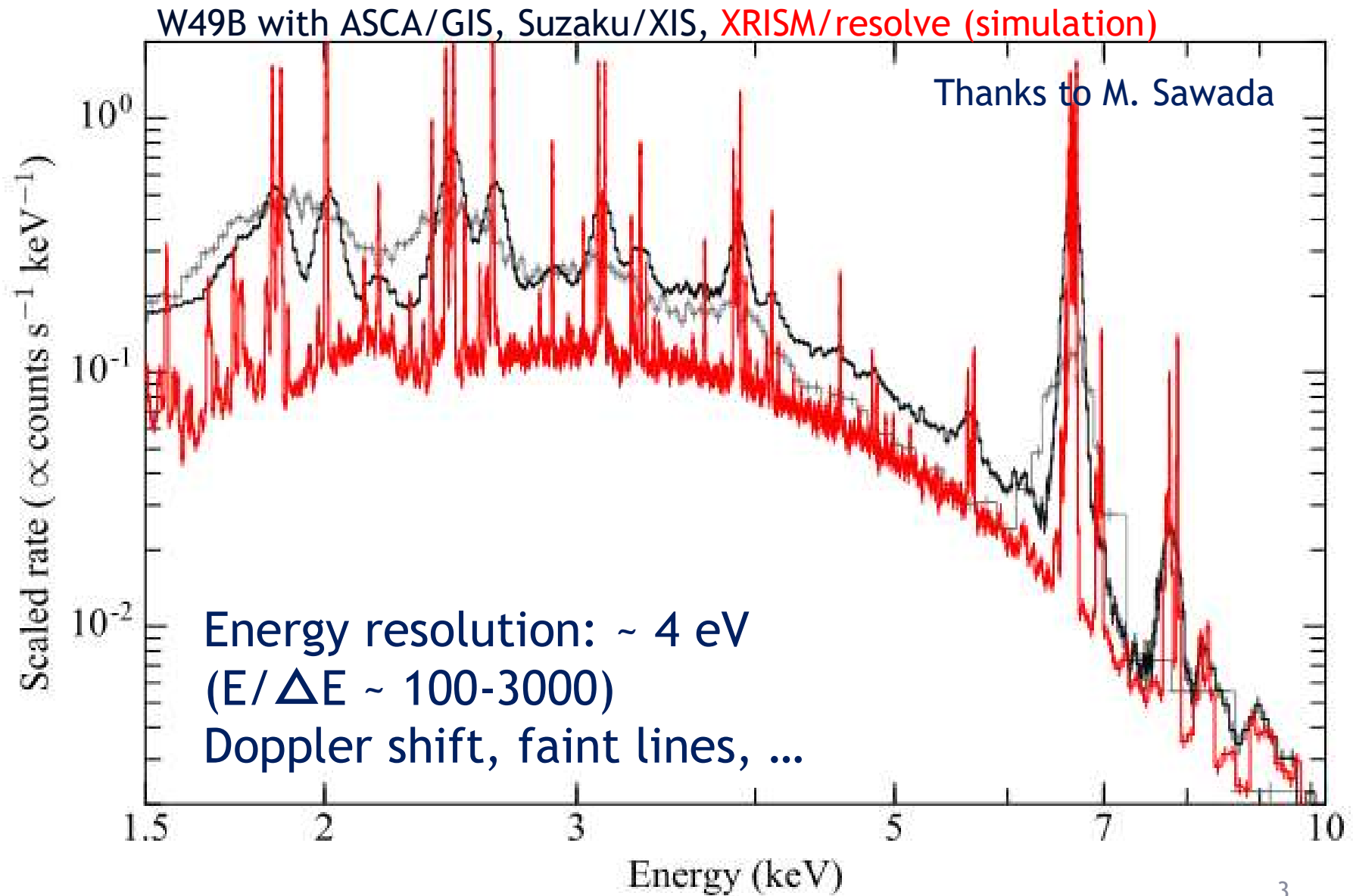


Xtend



X-ray CCD
with moderate E resolution
Spatial resolution of ~ 30 asec
with FoV of $38' \times 38'$

1.2. The power of XRISM/Resolve



1.3. XRISM was successfully launched on 2023 Sep. 7.

2023.12. XRISM first light

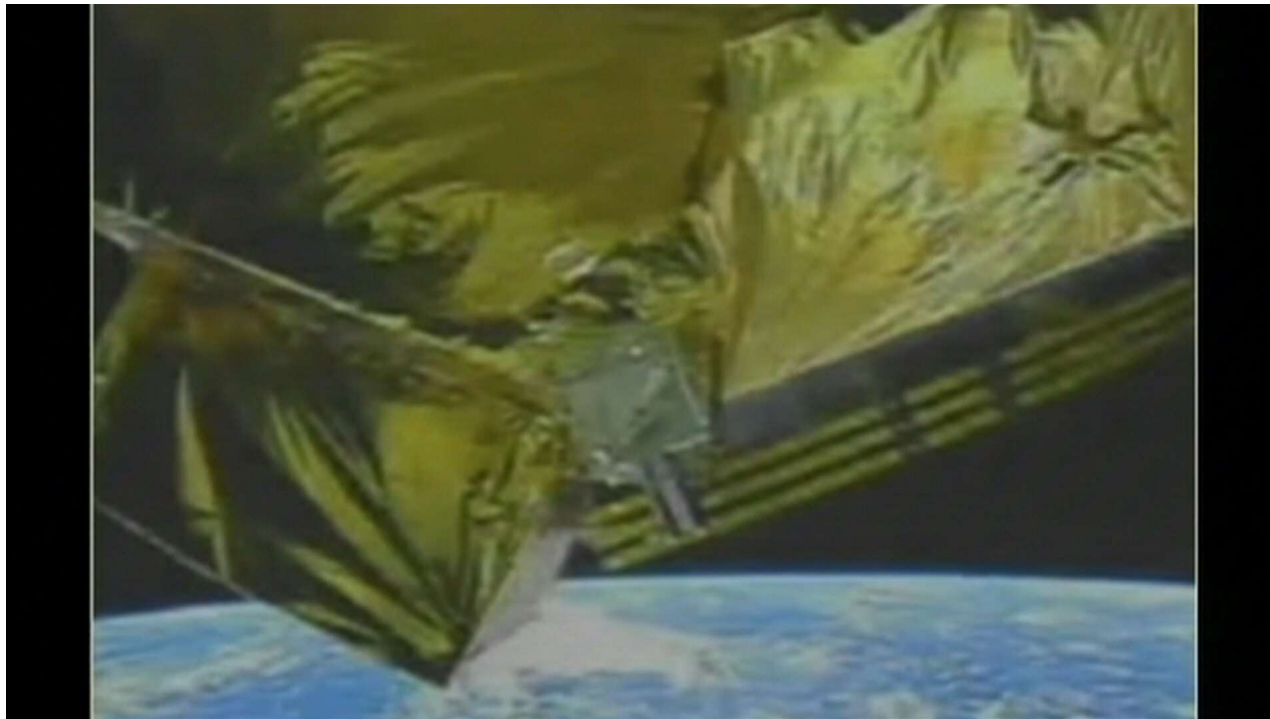
2024.08. First scientific paper with the first light target N132D

2024.09. Started observations for guest observers

2024.11. 2 papers accepted 3 Nature papers submitted

2025.03. Planned to publish PASJ special issue

2025.05. (Planned) next proposal deadline



3. Summary

- XRISM has been observing successfully since its launch in 2023.
- Resolve shows great spectral resolution, and nice scientific results.
- Xtend also works very well and Xtend transient search is powerful.

The deadline of the next Guest observer program proposal will be **May 2025**.

Please enjoy XRISM science !