

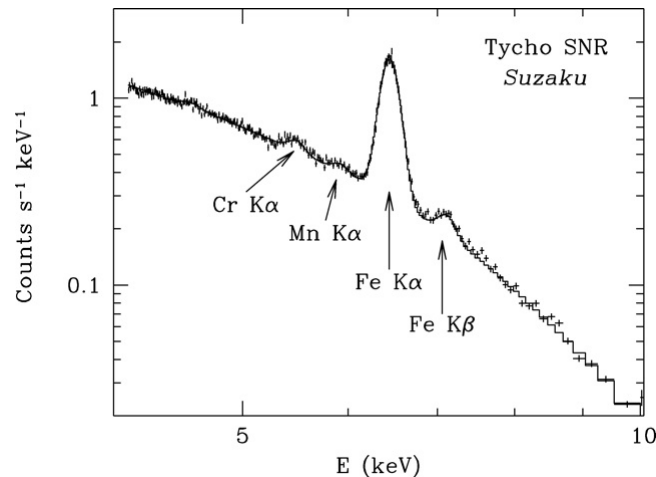
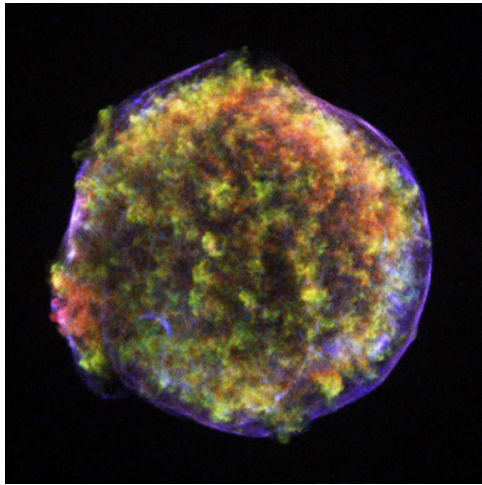
*Suzaku* in the press  
& Education and Public Outreach

Koji Mukai (*Suzaku* GOF)  
& James Lochner (HEASARC)

## *Suzaku* in the Press

- No NASA press releases have been issued based on *Suzaku* results since the last SUG meeting
- The main reason for this failure is not the quality of the science produced by *Suzaku* users. It is the suitability of *Suzaku* results for press release/newspaper articles/TV news segments
  - *Suzaku* does not produce pretty images. This is a fixed constraint, but we may be able to help using artists' impressions that illustrate the main point
  - *Suzaku* results are usually involved, so it is hard to summarize them in a few headline-grabbing sentences.
- Two results proposed as potential press releases may illustrate the point.

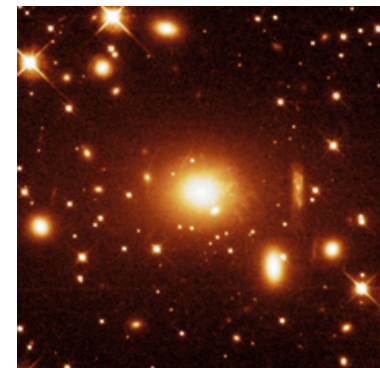
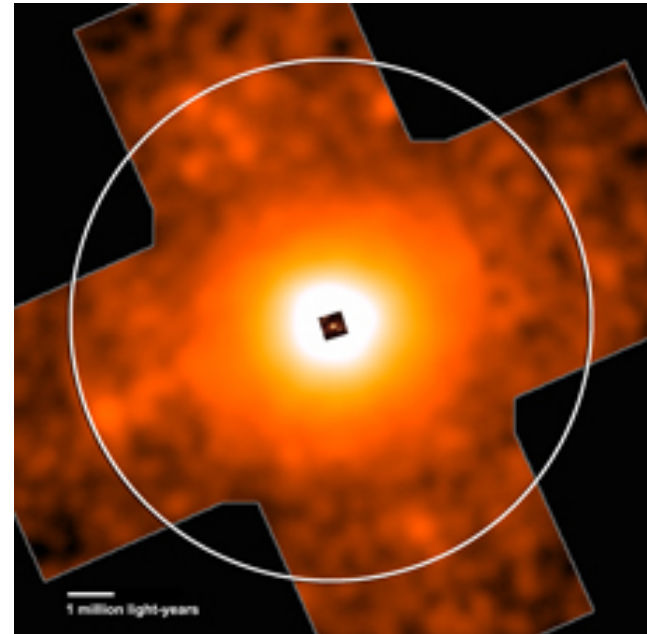
# Tycho Result



- Type Ia connection makes it potentially press-worthy
- *Suzaku* result hinges not on pretty image (from *Chandra*, top), but on Mn/Cr line ratio (bottom).
- The Badenes et al. paper does not solve the question of SNIa progenitor classes, although it opens up a new method for investigation
- NASA declined to issue this as a press release - an article was posted on the Suzaku Learning Center

# PKS0745 result

- Cluster studies relate to dark matter and the formation of large scale structure
- *Suzaku* image (top) is not as pretty as the HST one (bottom)
- This result perhaps is more notable for demonstrating *Suzaku*'s ability to conduct such studies, than the specific findings.
- Again, NASA declined to issue this as a press release - it is featured in the NASA mission page for *Suzaku*



# Way forward ?

It is still extremely important to keep trying, to raise the public profile of *Suzaku*.

- We need help from SUG and *Suzaku* users in general: please let us know of any exciting results based on *Suzaku* data
- We also welcome suggestions on how to persuade press offices that *Suzaku* results can be press-worthy
- We also welcome suggestions and leads on pursuing other venues (such as science-oriented magazines)

# *Suzaku* E/PO

## *Suzaku* data in Student Hera

- Student Hera provides students the opportunity to analyze astrophysics data using software tools used by astronomers.
- Web pages guide students through the analysis.

New module guides students through analysis of SNR E0107-72 to determine elemental composition.

- Module developed by master teacher, tested in classroom, revised as needed, and is now public.
- <http://imagine.gsfc.nasa.gov/docs/teachers/hera/snr/>

## *Suzaku* in the News

A science literacy module which uses *Suzaku* science and results.

- Lesson leads students through understanding a science discovery (uses Swift-Suzaku observations of new type of AGN in 2007)
- Students use a new discovery to produce their own press release/press briefing/podcast.

## *Suzaku* Educator Ambassador

- Our *Suzaku* EA continues to give 4-5 *Suzaku* Teacher Workshops every year.