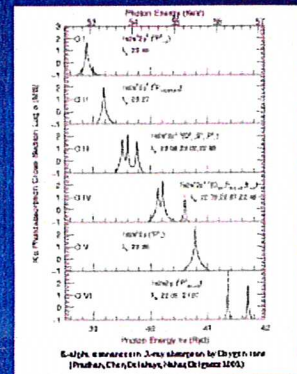
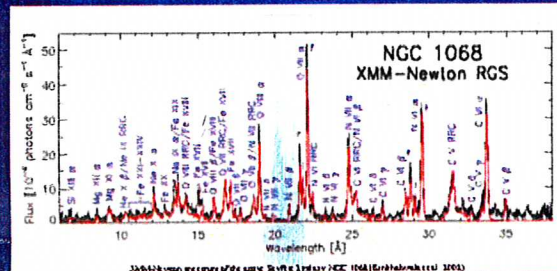
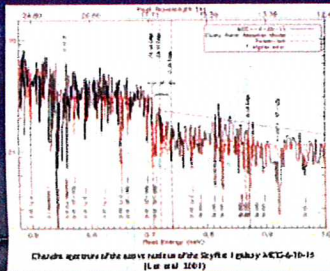
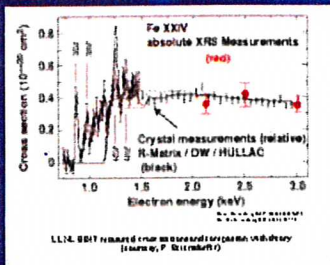
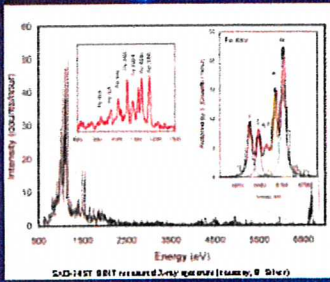


# Atomic Data for X-Ray Astronomy

Joint Discussion JD17 July 22

IAU XXV<sup>th</sup> General Assembly

Sydney, Australia July 13-26, 2003



Chandra image of the Galactic H<sub>2</sub> bubble of Cassiopeia A (NASA/CXC/SAO/S. Kaspi et al.)

Atomic processes are fundamental to spectral formation. New X-ray observatories have revealed intriguing astrophysical phenomena in immense detail. Atomic data are therefore crucial to X-ray astronomy but important issues need to be addressed. This comprehensive Joint Discussion would cover new observations, atomic theory and experiments, and spectral modelling of astrophysical sources.

**Joint Discussion date : July 22, 2003**

Invited Speakers and Data Panelists :

Ehud Behar (Israel), Peter Beiersdorfer (USA), Nancy Brickhouse (USA), Andy Fabian (UK), Rajmal Jain (India), Jelle Kaastra (Netherlands), Steve Kahn (USA), Tim Kallman (USA), Enrico Landi (Italy), Julia Lee (USA), Duane Liedahl (USA), Brendan McLaughlin (UK), Claudio Mendoza (Venezuela), Izumi Murakami (Japan), Sultana Nahar (USA), Stefan Schippers (Germany), Eric Silver (USA), Wolfgang Wiese (USA)

Session Chairs :

Bob Williams, Hagai Netzer, Peter Smith, Ken Pounds

Scientific Organising Committee:

N. Brickhouse (USA), H. Hasan (USA), J. Houck (USA), A. Fabian (UK), J. Kaastra (Netherlands), F. Keenan (UK), S. Kahn (USA), T. Kallman (USA), H. Netzer (Israel), A.K. Pradhan (USA, Chair), P.L. Smith (USA), Y. Yamashita (Japan).

Further information : [www.astronomy.ohio-state.edu/~pradhan/iau/iau.html](http://www.astronomy.ohio-state.edu/~pradhan/iau/iau.html)

