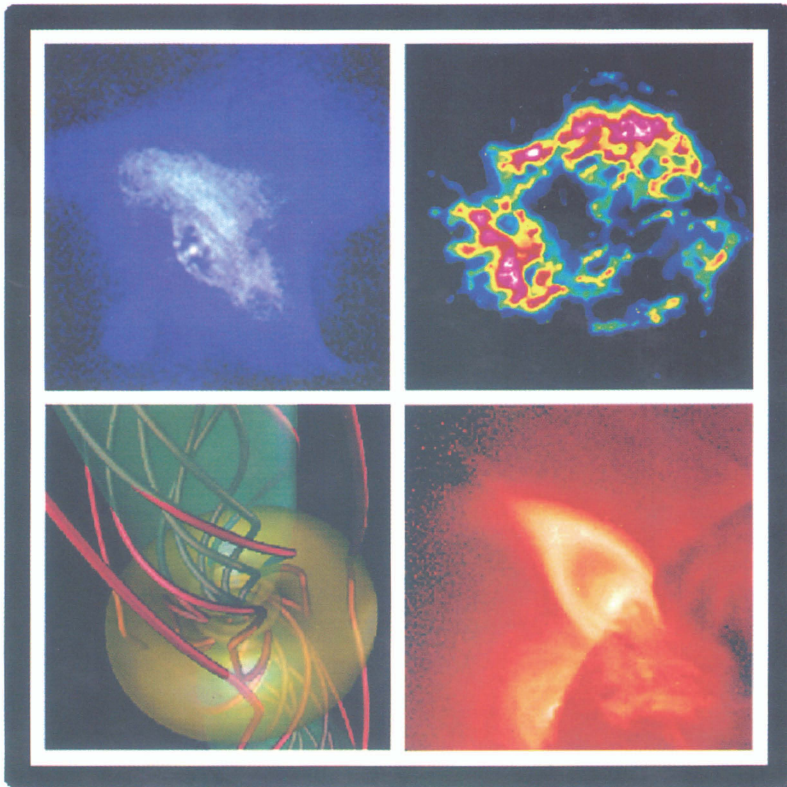


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# HIGHLY ENERGETIC PHYSICAL PROCESSES AND MECHANISMS FOR EMISSION FROM ASTROPHYSICAL PLASMAS

Edited by: P. C. H. MARTENS, S. TSURUTA, AND M. A. WEBER



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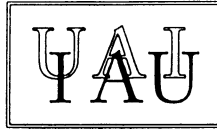
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**COVER ILLUSTRATION:**

- Upper left:* The Crab nebula as observed with the High-Energy Transmission Grating Spectrometer (HETG) onboard NASA's *Chandra* X-ray Observatory (Becker, Fig. 1a, page 51).
- Upper right:* The young supernova remnant Cas-A as seen by the High-Resolution Imager (HRI) on the German X-ray space observatory ROSAT (Becker, Fig. 1d, page 51).
- Lower left:* A visualization of astrophysical jets according to a 3D magnetohydrodynamic model of active galactic nuclei (AGN) (Uchida et al., Fig. 1a, page 221).
- Lower right:* A cusped, flaring magnetic loop observed on the solar limb by the Soft X-ray Telescope onboard the Japanese satellite *Yohkoh*, which is a mission of the Japanese Institute for Space and Astronautical Science.

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Edited by:

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FOR EMISSION FROM ASTROPHYSICAL PLASMAS**

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