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SUPERNOVA REMNANTS AND THEIR X-RAY EMISSION

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The main thrust of the Symposium reported here was the presentation for a variety of SNR's of X-ray images and high resolution spectra obtained from the Einstein Observatory. In addition, optical, radio and theoretical results were presented. The major topics discussed include: young SNR's, their structure, mass and interaction with the interstellar medium; middle-aged SNR's with emphasis on objects with center filled morphologies as seen in radio and X-ray; older SNR's and their effect upon the interstellar medium, compact objects associated with SNR's; and pulsars and SNR's in other galaxies. Among the new results presented is observational evidence for the presence of a reverse shock, enhanced elemental abundances, and non-equilibrium ionization in young SNR's. Activity from a neutron star is shown to play an important role or be otherwise present in a number of remnants, and X-ray, optical and radio results pertaining to SNR's in the Magellanic Clouds are included.

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