Chandra Observations of the Young, Energetic Pulsar PSR B1509−58

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Abstract

We present results of a 20 ks observation of the young, energetic radio pulsar PSR B1509−58 and its associated supernova remnant G320.4−1.2, obtained with the ACIS instrument aboard the Chandra X-ray Observatory. As with the Crab and Vela pulsars, Chandra has revealed previously unresolved, spectacular structure near the pulsar. We present a spatial analysis of the pulsar and remnant, and discuss the nature of the observed features.

CATEGORY: SUPERNOVAE, SUPERNOVA REMNANTS AND ISOLATED NEUTRON STARS