

K06c **Mapping the Shocked Ejecta in Supernova Remnant G290.1-0.8**

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G290.1-0.8 is a supernova remnant (SNR) with centrally bright X-ray surrounded by a shell-like radio plasma. The origin and the detailed nature of such distorted mixed morphology is unknown. Previous studies reports X-ray emission is of thermal nature. In this work, we present Suzaku analysis results of G290.1-0.8. We confirm elongated yet center filled X-ray plasma. By using the X-ray spectrum which is dominated by emission lines, we are able to identify most prominent lines. We produced abundance maps for Ne ix (0.91 keV), Mg xii (1.47 keV), Si xiii (1.85 keV), and S xv (2.4 keV). The chemical abundances are different and do not show any symmetry. Based on our X-ray analysis result, we try to understand G290.1-0.8 with possible scenarios that could explain the underlying physics behind.