

X-ray Emission from Wolf-Rayet Nebulae

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Abstract

We present the analysis of the hot plasma detected with *XMM-Newton* and *Chandra* X-ray observations toward the only two Wolf-Rayet bubbles so far detected: S 308 and NGC 6888. Both nebulae present spectra dominated by soft temperature plasmas of $\sim 10^6$ K with luminosities of $L_X \sim 10^{33}$ – 10^{34} erg s⁻¹, but with different X-ray-emitting plasma distribution. In the case of S 308 it presents a limb-brightened morphology, while in the case of NGC 6888, it shows three maxima localized at the Northeast and Southwest caps and another one extending toward the Northwest.