

On the Hard Gamma-Ray Spectrum of SNR G106.3+2.7

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Multi-wavelength observations indicate that there must be a hadronic component in the γ -ray spectrum of SNR G106.3+2.7. However, fitting the hard γ -ray spectrum requires a hard proton spectrum, while usual observations and recent numerical simulations prefer a soft proton spectrum. Here we explore an alternative scenario to explain the γ -ray spectrum of G106.3+2.7 within the current understanding of acceleration and escape processes.

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