

Supernova Remnants III: An Odyssey in Space After Stellar Death, 9-15 June 2024, Chania, Crete, Greece

Disentangling the evolutionary paths of Supernova Remnants: observational evidence of (non) multiwavelength emission



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MOTIVATION

 Provide for the first time an observational framework for understanding the evolution of SNRs based on the Galactic SNR population

OBJECTIVE

Optical coverage all of Galactic SNRs in narrow-band filters of SNRs' interest (i.e. Ha, [S II], [O III], HB) since despite the wealth of data, only ~35% of Galactic SNRs been observed in the had optical band so far.



Investigate SNR evolution through multi-wavelength emission as a function of age and environment

Test theoretical models.

The presented sample is the first of a series dealing with the optical study of X-ray emitting, Galactic SNRs (29 objects)





(Leonidaki et al., submitted)

•Integrated Ha, [S II], [O III] fluxes.



•Only 5/29 of the X-ray emitting SNR sample emit in the optical



Binary systems / massive progenitors

Ha image of 3C58 (G130.7+3.1)