

Gamma-rays from star clusters and their implication for Galactic cosmic rays

Tuesday 29 October 2024 10:40 (30 minutes)

I will discuss acceleration and transport of nuclei in star clusters and their escape from the bubble, with particular focus on the modification of the spectra of nuclei accelerated at the termination shock. The recently detected gamma ray emission from the Cygnus region allows us to infer some general conclusions concerning the role of star clusters as contributors to the flux of Galactic cosmic rays.

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Session Classification: Particle acceleration and propagation