

Deciphering the interstellar medium around the Sco-Cen OB association

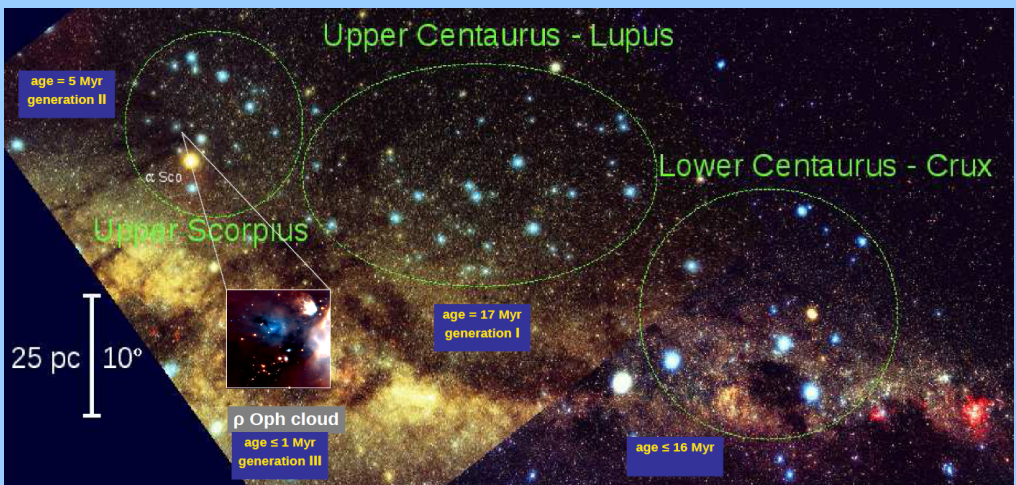


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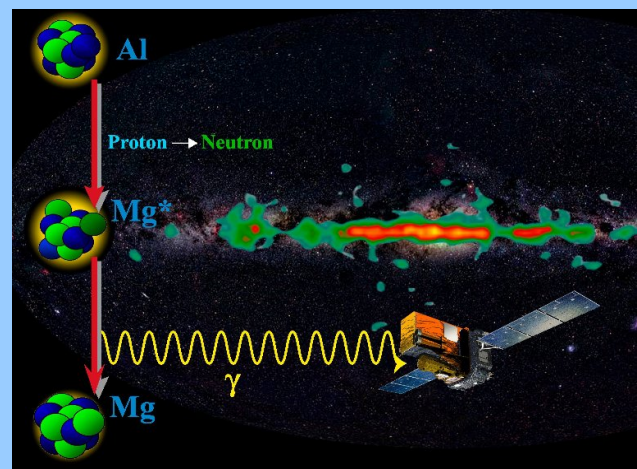
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Analysis of numerous available multi-wavelength observations

Theoretical predictions: MPE population synthesis code + Hydrodynamical simulations

Deciphering the ISM around the Sco-Cen OB association and revealing the star-formation history of the region



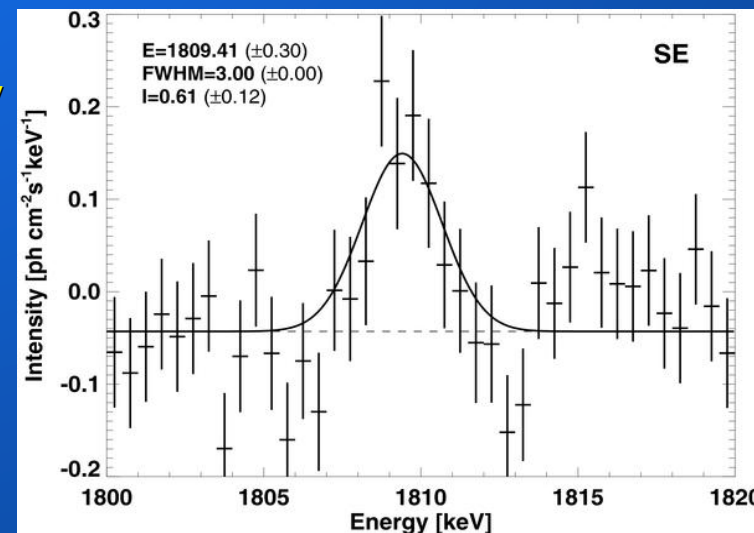
★ ^{26}Al ($t_{1/2} = 720000$ years) emits γ -rays at 1.8 MeV

★ probe the history of activity of massive stars on a My time scale through their nucleosynthesis

For Sco-Cen:

★ Independent age estimate for subgroups

★ Line-width + centroid \rightarrow bulk motion



^{26}Al from Sco-Cen (Diehl et al. 2010)