

N-capture elements in GCs using the Gaia-ESO data

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Globular clusters (GCs) are important stellar objects for understanding the formation and evolution of our Galaxy, providing crucial constraints to the chemical evolution and assembly history of the Galactic halo. Although there have been many individual efforts to characterise GCs in terms of heavy elements chemically, there is a lack of a global analysis with a homogeneous method. I present the most extensive study of neutron-capture elements in GCs using the Gaia-ESO survey data to provide clues about the contribution of different stellar processes and events, such as supernovae, AGB stars, or neutron star mergers. I show, from the observational point of view, the neutron-capture elements (Y, Zr, Ba, La, Ce, Pr, Nd, and Eu) distribution within GCs, as well as the relative contributions of s- and r-process to the chemical abundances in these objects.

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