

Exploring the Galactic content in s-process elements with space and ground-based spectroscopic surveys

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The Galactic content in s-process neutron-capture elements is still poorly known and the chemical evolution of these species are frequently debated.

Fortunately, thanks to Gaia/GSP-spec cerium and neodymium abundances at the surface of thousands stars, the chemical content of the Galaxy in these two second peak s-elements has been recently explored.

This has been complemented by lead chemical abundances (third peak s-element) in several hundreds stars derived within the AMBRE Project.

The Galactic chemical trends of these heavy species will be presented as their interpretation thanks to chemical evolution models. We will also discuss the contribution of AGB stars to the chemical evolution of these s-process elements in the Milky Way.

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