

CEMP Stars as Probes of First-Star Nucleosynthesis, the IMF, and Galactic Assembly



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CEMP stars in dwarf galaxies

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Dwarf galaxies are the most common type of galaxy in the Universe. The Local Group is the only place where we are able to obtain an unobscured view of early star formation and chemical enrichment in galaxies from abundance measurements in individual stars by using moderate- to high-resolution spectroscopy. Recent measurements of $[\text{Ce}/\text{Fe}]$ in different dwarf spheroidal galaxies, suggest possible differences in the fraction and/or abundance patterns of CEMP stars based on the host galaxy. In this talk I will discuss the current status of CEMP observations in dwarf galaxies, as well as theoretical predictions of what is expected in such systems.

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