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Chemical Evolution of Galaxies and JWST Surprises

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I will discuss the chemical evolution of galaxies, with particular attention to the Milky Way for which we have the majority of chemical abundance data . I will describe what is galactic archaeology, namely how to reconstruct the history of star formation of a galaxy starting from the abundances measured now in stars and gas. The cosmic evolution of metallicity with redshift will be discussed in the light of the new data from JWST.

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