

CNO isotopes evolution with HRMOS

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The abundances of CNO isotopes provide powerful diagnostics of different physical processes acting in stars and galaxies. In particular, carefully chosen isotopic ratios allow us to set useful constraints to galactic chemical evolution (GCE) models, with special regard to the shape of the integrated galaxy-wide stellar initial mass function. After a brief recap of the significance of the CNO isotopes for GCE studies, I will discuss the possible impact of the HRMOS facility. I will highlight synergies and complementarity with current and planned instrumentations such as, for instance, the iSHELL spectrograph on the NASA Infrared Telescope Facility or the future HIRES spectrograph for the ELT.

Type

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