## The 13th Torino Workshop on AGB stars & the 3rd Perugia Workshop on Nuclear Astrophysics



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## Yields from AGB stars with a minimum of ad-hoc assumptions and free parameters, and the origin of carbon in the Galactic disk (R)

Friday, 24 June 2022 09:00 (25 minutes)

The modelling of the chemical evolution and nucleosynhesis in galaxies is depending on a number of uncertainties, concerning stellar evolution with mixing in stars, stellar mass loss, galactic evolution with star-formation rates, mixing of populations, infall of pristine gas, etc.

These uncertainties are often handled by introducing free parameters which are varied in order to fit observations, in particular of abundance ratios and ages of solar-type stars.

More empirical approaches are explored in attempts to minimize the use of ad-hoc assumptions and parametrization. The methods are applied to the problem of the origin of carbon in the Galactic disk.

## Session

Stellar observations (photometry and spectrometry)

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