



# Revisiting the $[Y/Mg]$ –age relation with NLTE abundances and TESS asteroseismic ages

- Stellar ages are essential, but difficult to determine.
- The combination of Y and Mg is extremely sensitive to age (produced on different timescales).
- First explored in the solar neighbourhood with solar twins (e.g. Nissen 2015).
- Previous studies showed that not universal:  
Viscasillas Vázquez et al. 2022, 2025b: radial variation (thin disc).  
Tautvaišienė, Viscasillas et al. 2021: flat relation (thick disc).
- In Pakštienė et al. 2026 we revisited the  $[Y/Mg]$ -Age relation using TESS asteroseismic ages, and NLTE abundances from VUES spectra at Molėtai Observatory.
- We confirm our previous results:  
 $[Y/Mg]$ -Age relation depends on Galactic environment.

