

# CERES survey: chemical abundances of neutron capture elements up to Eu

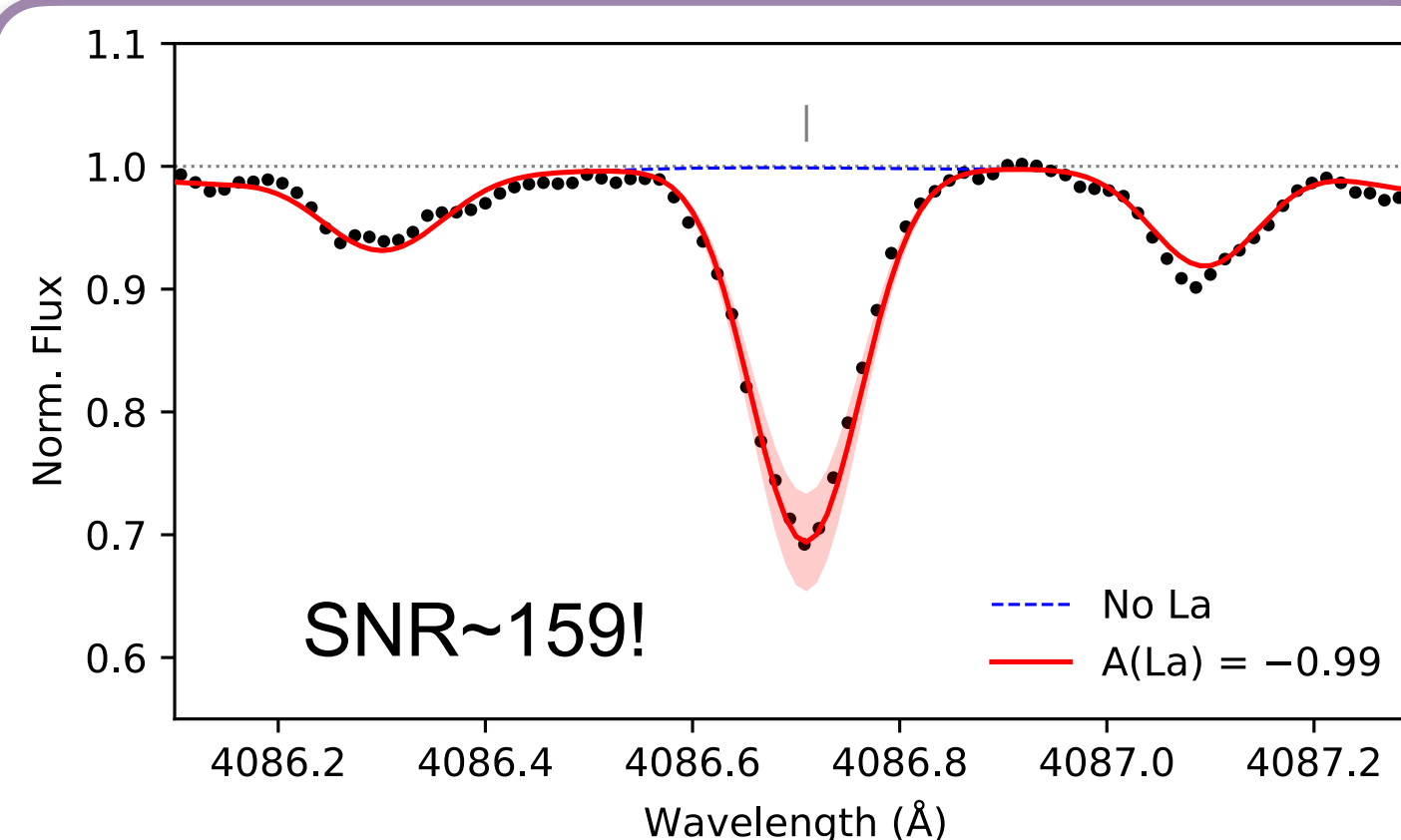
Linda Lombardo, CERES team

## The Chemical Evolution of R-process Elements in Stars (CERES) survey (PI: Prof. C.J.Hansen)

Stellar observations focused on measuring heavy elements in a sample of metal-poor stars ( $[\text{Fe}/\text{H}] \leq -1.5$ )

- Goal:** increase our knowledge of the physical conditions and formation sites of *r*-process elements

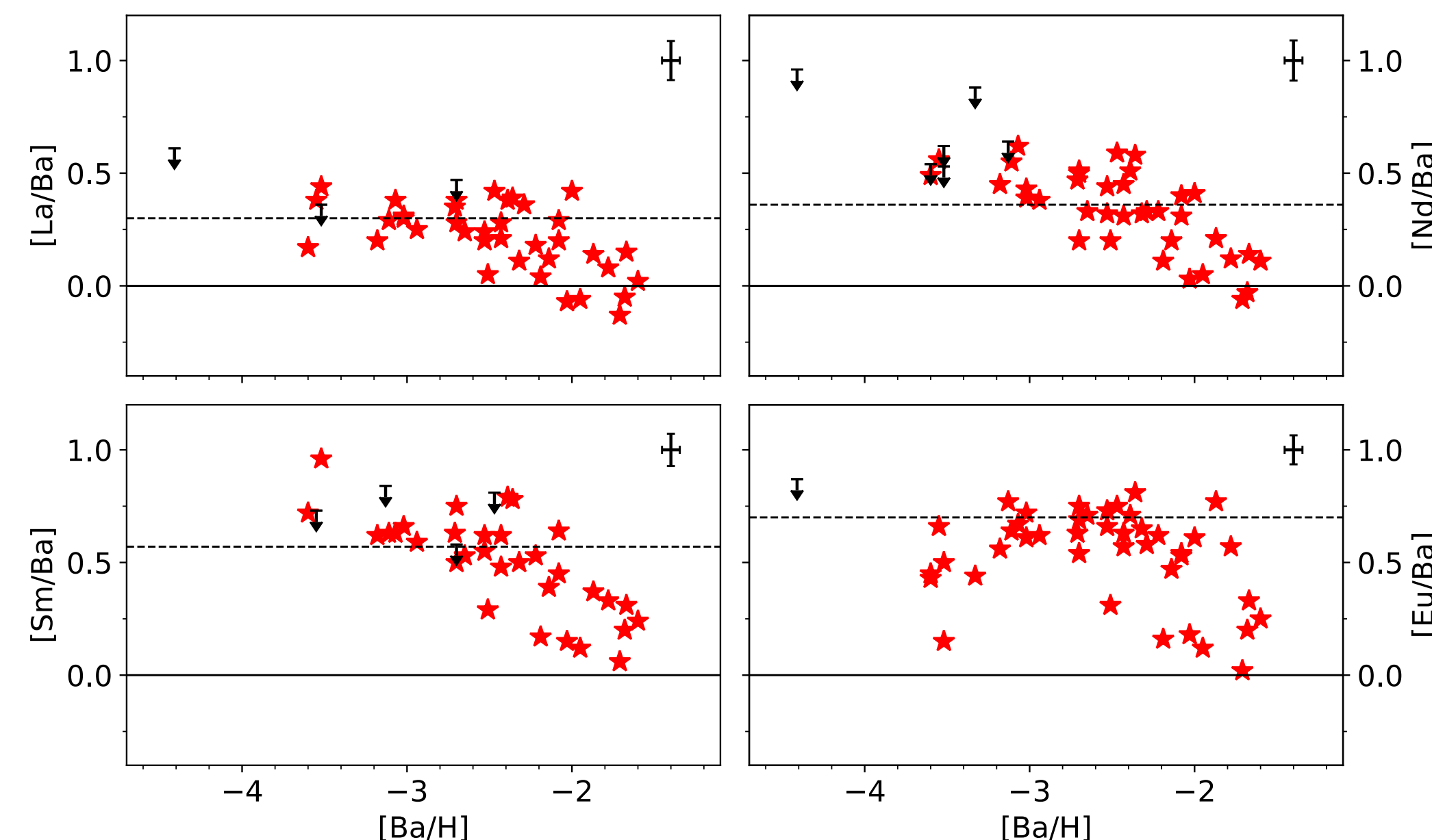
- Sample:** 52 giant stars with  $<5$  heavy element abundances known in the literature



- Data:** High-resolution ( $R > 40000$ ), high signal-to-noise ratio ( $\text{SNR} > 50$  @ 390 nm) spectra obtained with ESO VLT/UVES

## Chemical abundances of Ba, La, Ce, Pr, Nd, Sm, and Eu:

- Abundance trends with metallicity
- Correlations between elements pairs



See my poster for more results!!!