

Name: Luca Casagrande
Email: luca.casagrande@anu.edu.au
Institution: The Australian National University
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Abstract: Co-authors: Victor Silva Aguirre, Dennis Stello, Daniel Huber, William Chaplin, Martin Asplund, Ralph Schoenrich

We present results from the ongoing SAGA survey (Stromgren for Asteroseismology and Galactic Archaeology) which currently includes photometry for over 20000 stars in the Kepler field, 1000 of which are red giants with seismic information. Coupling Stromgren metallicities with the Infrared Flux Method and the unique asteroseismic determination of stellar masses and radii, powerful new diagnostic for Galactic studies are obtained. We detect clear mass and metallicity gradients in the Galactic disc and discuss the impact of our results for understanding some of the processes relevant in the formation of the Milky Way.

The SAGA survey is also the natural extension of the Geneva-Copenhagen Survey, our previous Stromgren investigation of stellar properties in the Solar Neighbourhood. We highlight how seismic targets in the SAGA survey will provide a tool for calibrating photometric age dating techniques in the Stromgren systems, as well as for deriving reliable and homogeneous stellar parameters also in faint planet host stars.