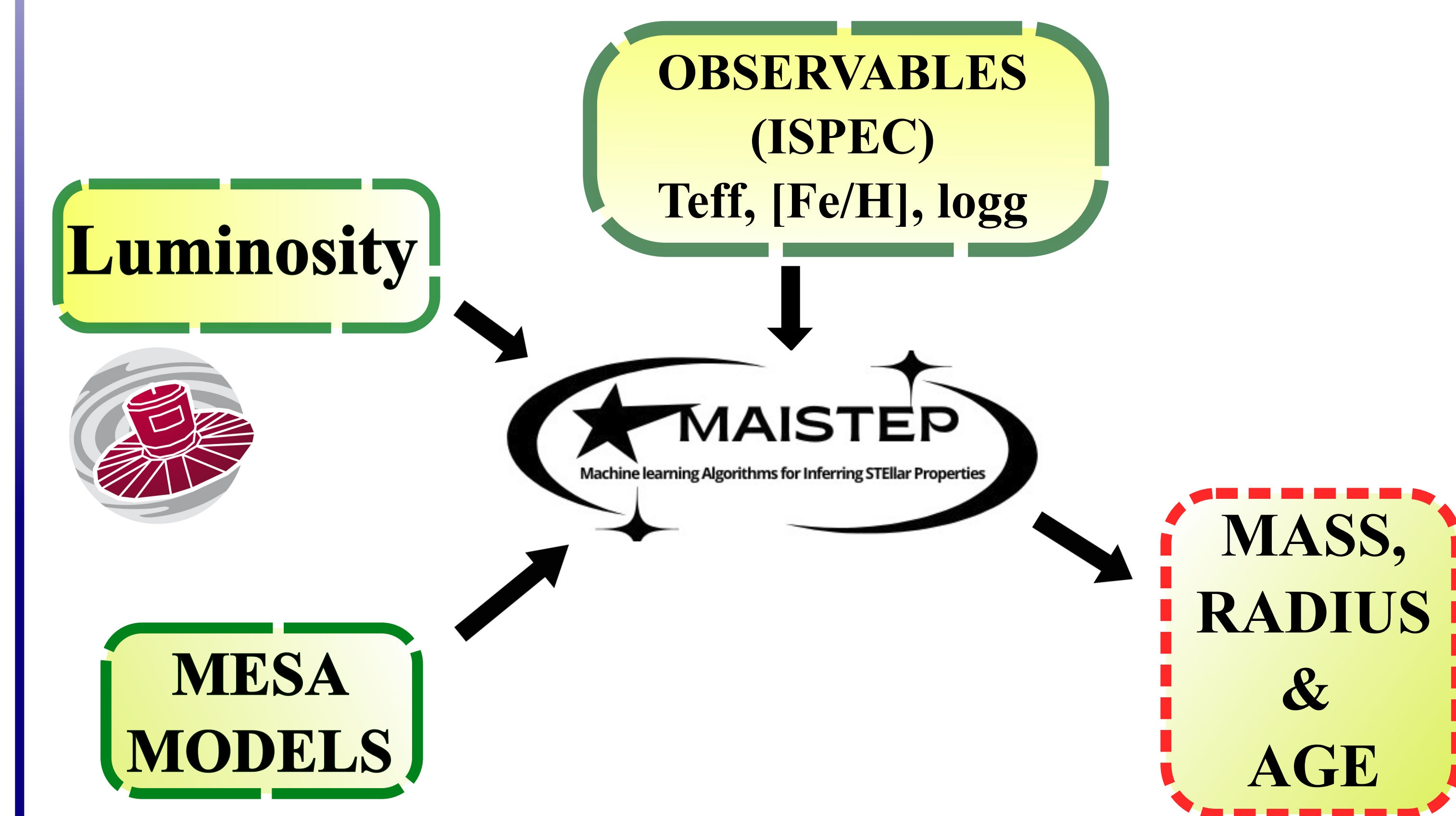


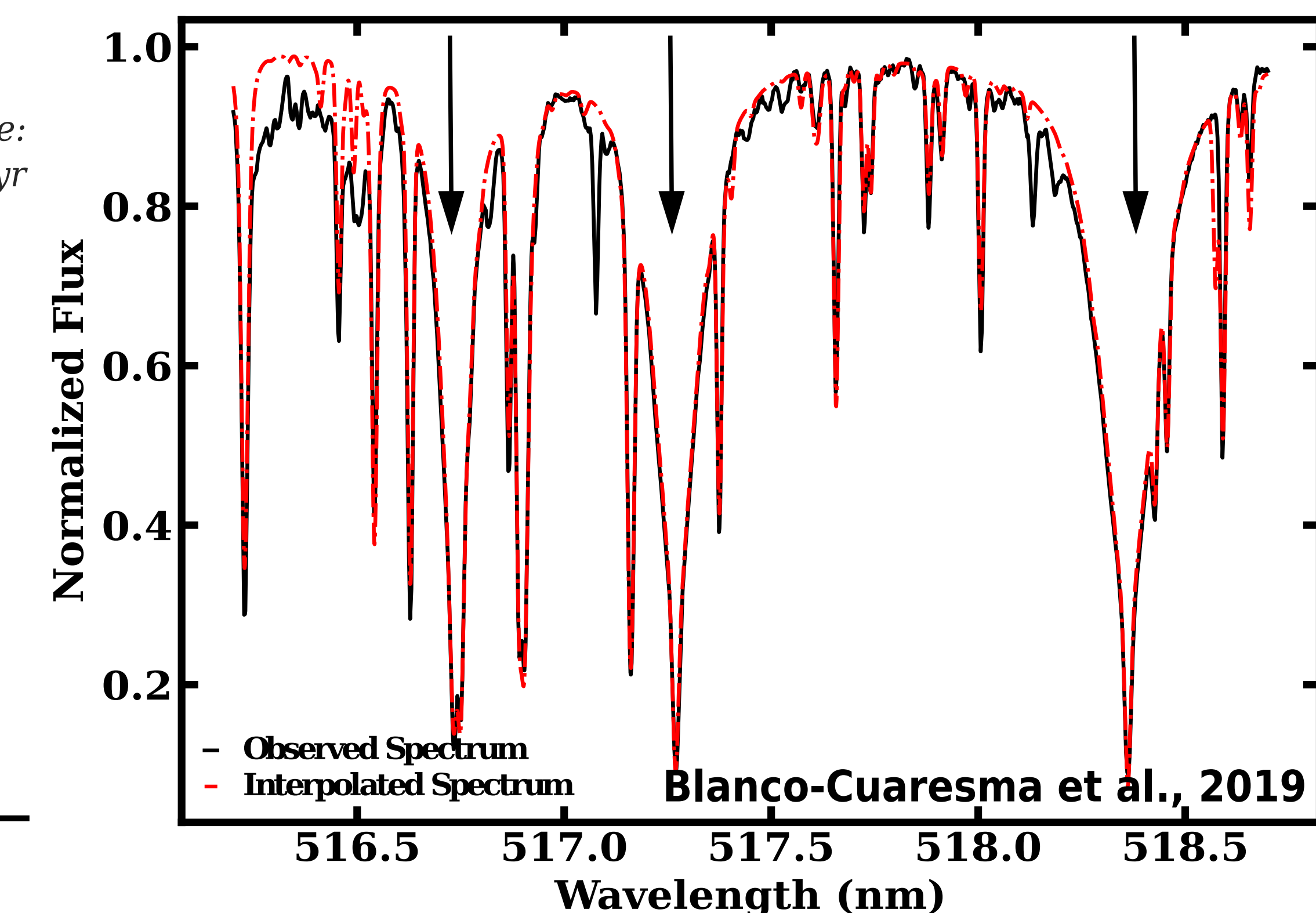
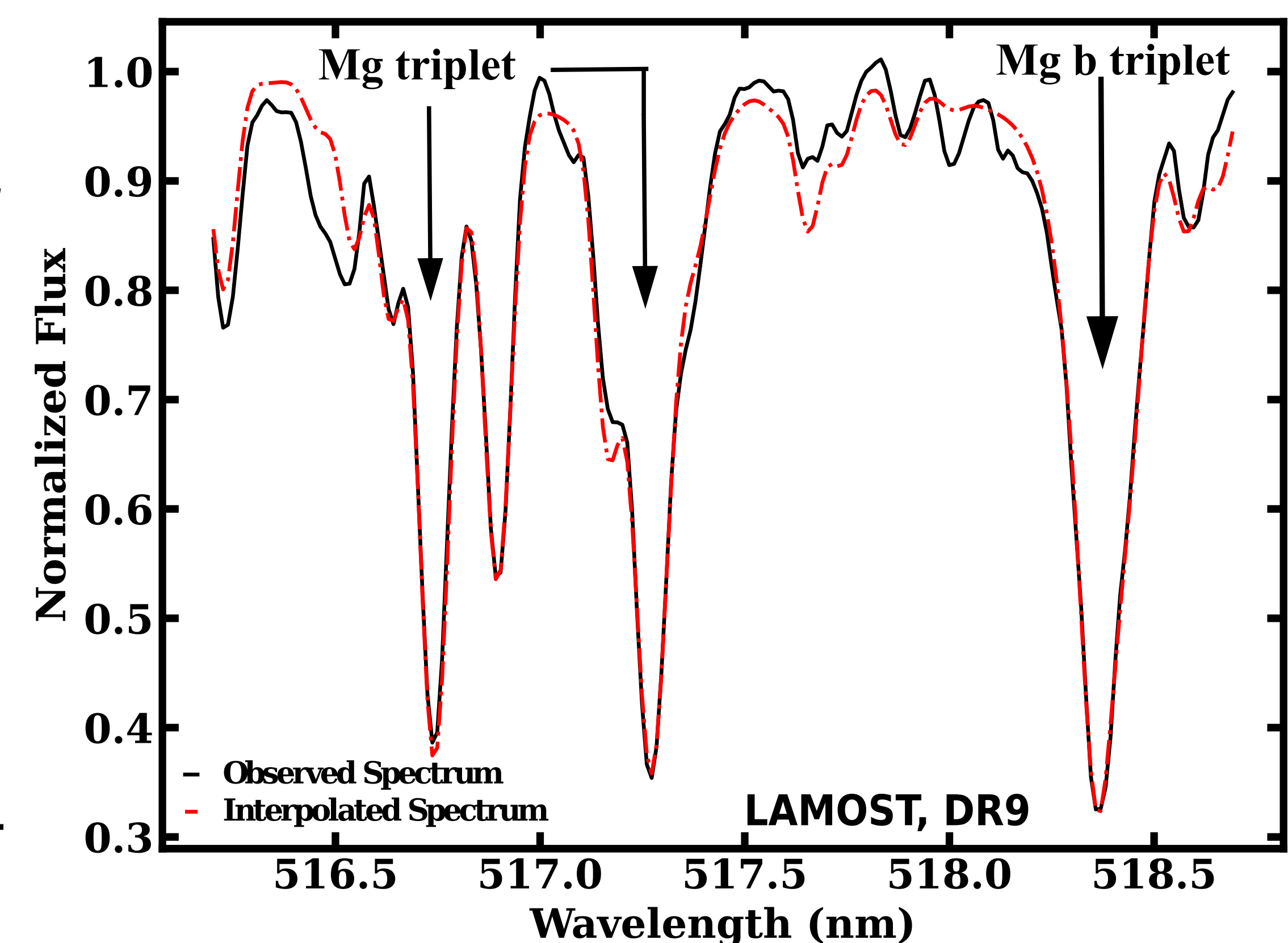
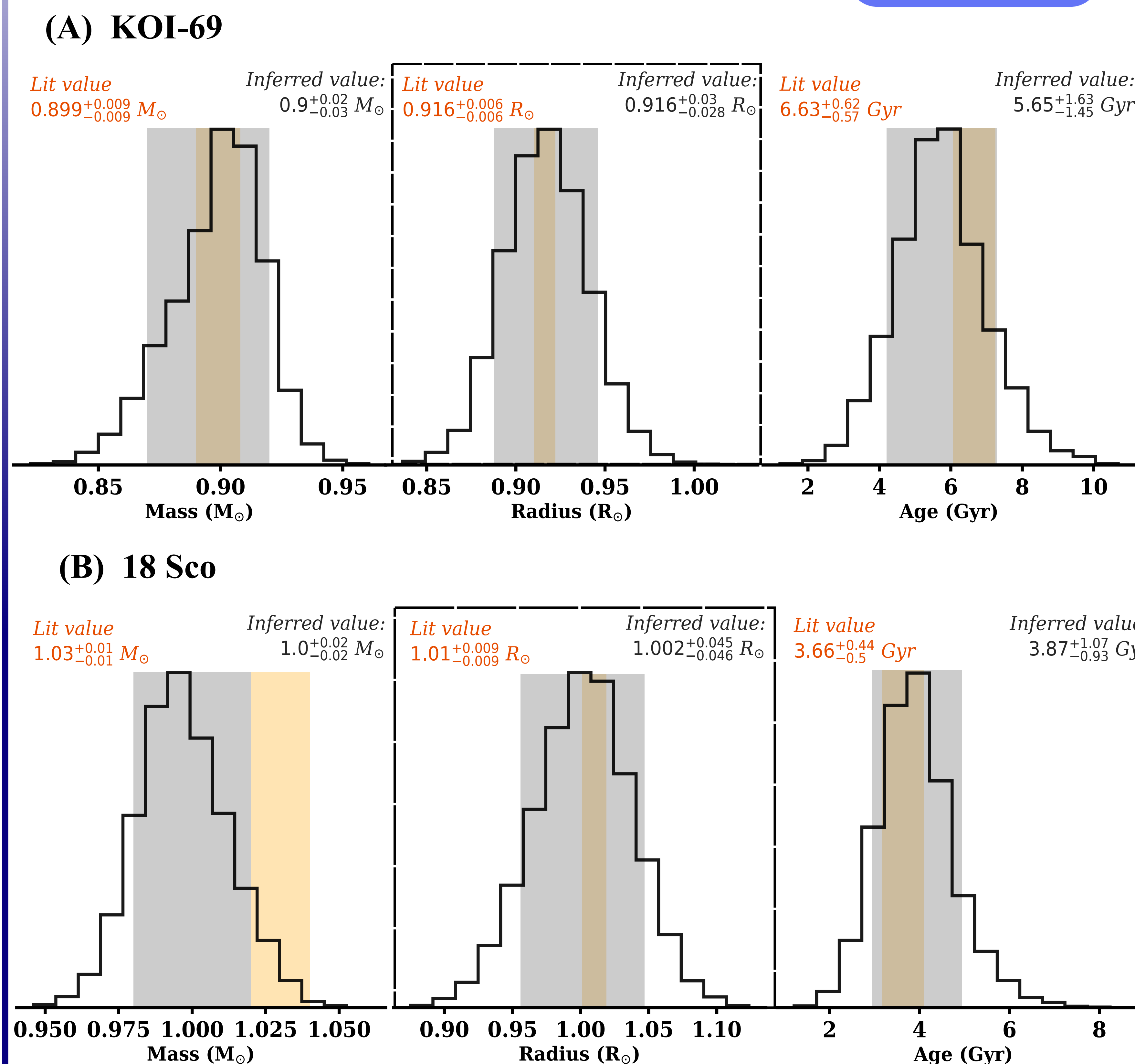
Abstract

Understanding exoplanetary systems requires precise knowledge of their host stars. This is because of the strong synergy between stellar and planetary parameters. We present preliminary results from spectroscopic observations of KOI-69 and 18 Sco, combined with Gaia parallaxes. We use iSpec to derive atmospheric parameters, and **MAISTEP**, a machine learning tool trained on stellar models incorporating physical processes to determine the masses, radii and ages. This work is ongoing, observation of the target hosts in the PLATO field and further analysis is underway.

Process



Results



- The preliminary results demonstrate the agreement between parameters inferred using MAISTEP and literature parameters.
- The work presented in this poster is still in progress and these are preliminary results.