

Galactic Archaeology at High Resolution

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The holy grail of Galactic Archaeology is to constrain the physical processes responsible for the formation, evolution and assembly of Milky Way-like galaxies. With current technology, the best way to do this is to use the Milky Way as a laboratory to answer questions of galaxy formation using the detailed spatial, kinematic, and chemical information for its billions of stars. In this context, high resolution spectroscopic surveys, especially those that are multiplexed, will play a critical role in progressing the field forward. In this talk, I will present some areas that the proposed High Resolution Multi-Object Spectrograph instrument could potentially have a high impact.

Type

invited talk

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