

TUESDAY

OCTOBER 13

12:30 P.M.

RM 184 NSH

## The Halo System of the Milky Way: Structure, Chemical Composition and Age

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The halo system of the Milky Way is a precious laboratory because it provides unique elemental abundance and kinematic information on the first objects formed in the Universe, and this information can be used to tightly constrain models of galaxy formation and evolution. In this talk I will summarize the current view of the Galactic stellar halo, its architecture (diffuse components, structures), the emerging chemical patterns (metallicity, CEMP stars) and the age structure. Possible formation scenarios of the Galaxy based on these results will be also discussed.