

Near-field Cosmology with Carbon-Enhanced Metal-Poor stars

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I will briefly review near-field cosmology, a study of formation and evolution of the Universe by understanding the chemical and physical conditions of the earliest star forming environments through the oldest stars in the Galactic halo and dwarf satellite galaxies. Then I will talk about our current research of this effort by studying Carbon-enhanced-metal-poor (CEMP) stars and show the recent exciting results about first-star nucleosynthesis: the evidence for multiple progenitors of CEMP-no stars, which are thought to be true second generation stars, based on its absolute carbon abundance distribution. Lastly, I will briefly talk about future work.

Tuesday

September 6

12:30 P.M.

Rm 184 NSH