



Beitrag ID: 19

Typ: **nicht angegeben**

Neutron-Capture Element Observations in Low-Metallicity Stars: Joys and Frustrations

Donnerstag, 15. Juli 2010 14:00 (30 Minuten)

Neutron-capture elements often are extremely overabundant in metal-poor halo stars. In some cases we have been able to determine accurate abundances or significant upper limits to over 30 elements with $Z > 30$. These detailed abundance distributions can provide significant constraints on neutron-capture nucleosynthesis predictions. But how well do we really know the neutron-capture abundances? What can we trust, and what must be viewed with a lot of caution?

In this talk, the view from a stellar spectroscopist's perspective, I will try to demonstrate which abundances are probably rock-solid, which have significant uncertainties, and which are more hopeful than assured. Cautions for the consumer, and suggested avenues for future improvements will be provided.

Autor: Prof. SNEDEN, Chris (University of Texas at Austin)

Vortragende(r): Prof. SNEDEN, Chris (University of Texas at Austin)

Sitzung Einordnung: Session 1: r-process: Observations vs. models