



Seeking the origin of C and r-process elements in CEMP-r/s stars

What? A large fraction of metal-poor stars exhibits enhancements in carbon and neutron-capture elements, (CEMP-s, and CEMP-r/s stars). **Find out why.**

CEMP-s stars mostly by mass transfer in binary system.

For CEMP-r/s too few data.

How? Monitor a sample of CEMP-r/s stars for radial-velocity variations to determine the binary frequency of CEMP-r/s stars. Obtain orbital parameters for detected systems. The project was granted time at the McDonald 2.7-m telescope

Invited talks in Geneva and Chile. **Meetings:** IAU Brussels, ESA Madrid, A&A Paris, Stockholm, EAS Tenerife, ChETEC Keele UK