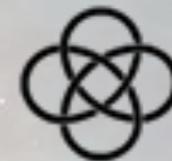


LOW METALLICITY HII REGIONS



IUCAA

CLOUDY WORKSHOP

Mayra Mabel Valerdi,

Ph.D. student, UNAM - MEXICO

Determination of physical conditions and chemical abundances in low metallicity HII regions.

Particularly determination of primordial helium abundance.

Y_p is important for cosmology, because we can put restrictions in some parameters like:

- Number of light neutrino families.
- Neutron Lifetime.
- Models on Galactic chemical evolution.

CLOUDY:

★ ICF(He)

★ ADF

