

Stellar Discussion

Stellar physics is important for:

- stellar structure and evolution and the physical mechanisms that take place:
 - mixing
 - origin of isotopes
 - mass loss
 - convection
 - overshoot
- chemical yields with which the ISM is enriched
- planets and planet formation
- cluster and galaxy populations
-

Issues:

- initial mass function
- impact of multiplicity
- impact of magnetic fields
- amount of overshoot that impacts on ages
- relationship between initial and predicted actual surface abundances
- cosmological and solar Li problem
- uncertainties in the stellar / atmosphere models (parameterized descriptions)
-

Questions:

- What are the most limiting issues regarding stellar physics for Stars, Planets & Galaxies?
- What synergies are there between Stars, Planets & Galaxies from which we can benefit to solve the issues that are open in stellar physics?