

The early evolution of low mass stars and brown dwarfs

Isabelle Baraffe¹

¹École Normale Supérieure de Lyon

My talk will focus on the early evolution of low mass objects. I will discuss the main uncertainties on current evolutionary models and the effects of rotation, magnetic field and early accretion history on young object's structure. I will also present possible solutions to the well known spread in HRD observed in star formation regions for objects of a few Myr old.

Editors Note: More details on this work have been published in Baraffe, I., Chabrier, G., Gallardo, J., 2009, ApJ (Letters) 702, L27.