



Séminaire organisé par

**AIM & Le service d'Astrophysique
CEA/DSM/Irfu**



LYMAN ALPHA AND GALAXY FORMATION: AN OBSERVER'S PERSPECTIVE

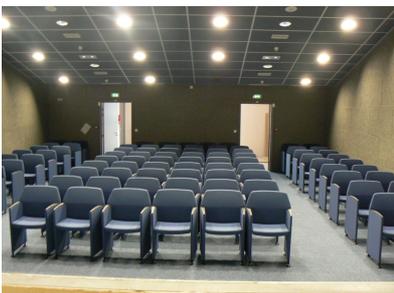
A.DEY

(NOAO, Tucson, USA)

Lyman alpha has long been used as a signpost of young galaxies in the distant Universe. I will describe some recent results and work in progress on two ongoing searches for Lyman alpha emission at "low"-redshift ($z \sim 2$) for Lyman alpha "blobs" (giant, 100-kpc clouds of glowing, galaxy-forming gas) and much lower mass Lyman alpha emitters, which may be the building blocks of larger galaxies. I will also discuss some of the properties of the new blobs (one of which is a good candidate for an extremely low-metallicity galaxy forming environment) and report on sn ongoing study of the large-scale environments of the blobs. Finally, I will talk briefly about the BigBOSS project planned for the Mayall telescope, a cost-effective dark energy project for this decade.

11 octobre 2012

11h00 Salle Galilée bât 713 C - Orme des Merisiers



Un café sera servi 15 mn avant le séminaire