

**Service d'Astrophysique**  
**SÉMINAIRE**

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**Jeudi 11 octobre 11h00**

**CEA Saclay, Orme des Merisiers Bat 713, salle de séminaires Galilée**

**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 an 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.

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Le cafe sera servi 10 minutes avant

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