



## **SEMINAIRE ISMO**

**Angel Gonzalez Ureña**

*Unidad de Laseres y Haces Moleculares, Instituto de Investigación Pluridisciplinar, Universidad Complutense de Madrid, Spain*

### **Spectroscopy and dynamics with coherent molecular beams**

The talk will start presenting a molecular beam technique which exploits the interaction of polar molecules with static and resonant RF electric fields to produce a superposition of coherent quantum states. Subsequently, high-resolution spectroscopic and dynamic studies carried out with this novel methodology will be reported.

Attention will be paid to recent investigations on the measurement of quantum decoherence in atom-molecule collisions.

**Mardi 17 juin 2014 à 11h**  
**Bât 210 – Amphi 1 (2<sup>ème</sup> étage)**  
*Université Paris-Sud 91405 ORSAY Cedex*