Séminaire organisé par

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

# OUR GALACTIC SUPERMASSIVE BLACK HOLE SGR A*: THE IDEAL TESTBED FOR THEORIES OF ACCRETION AND BLACK HOLE LIFE CYCLES


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**Sgr A* is the weakest accreting black hole we have ever observed, yet it is not a particularly unique object. We know that the majority of galaxies harbor nuclei more like Sgr A* than bright active galactic nuclei (AGN), so our Galactic center represents a dominant stage in the "typical" life cycle of a spiral galaxy. I will discuss our current understanding of accretion around Sgr A* (where semi-analytical models agree with sophisticated simulations), and how we are using these constraints to place Sgr A* in a wider context, and to build better models for the general population of weakly accreting black holes at all mass scales.**


**22 Mars 2013**

**14h30 Salle Galilée bât 713 C - Orme des Merisiers**

**Un café sera servi 15 mn avant le séminaire**


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