



## **SEMINAIRE régulier du Service d'Astrophysique**

### **BLACK HOLES IN THE UNIVERSE AND THE QUEST FOR MICROQUASARS**

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**Judi 8 octobre 2009**

**11h00**

I will review the three astrophysical manifestations of black holes: AGN/quasars, microquasars, and gamma-ray bursts of long duration. Then, I shall discuss the physical analogies among black holes of all mass scales, the observed coupling between accretion instabilities and relativistic ejections, and the open questions in this area of research, in particular, the role microquasars may have play in the re-ionization of the early universe.



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

**Ce séminaire aura lieu au CEA Saclay – Orme des Merisiers –bâtiment 709, Salle 003.**