



SEMINAIRE du Service d'Astrophysique

"DIRECT OBSERVATIONS OF THE PHYSICAL DRIVERS OF GALAXY EVOLUTION"

Matt LEHNERT

(Observatoire de Paris)

Jeudi 5 juin

11h00

I discuss several on-going programs to understand observationally the physical processes important for driving galaxy evolution. I present integral field spectroscopic and imaging observations of galaxies from $z=0.6$ to 5 to demonstrate the wide range of phenomenology exhibited by high redshift galaxies. I then turn to how these properties may translate into a deeper understanding of how galaxies form and evolve, touching on the physical characteristics of galaxies such as their dynamical masses, metallicities, angular momenta, etc., the importance of feedback of massive stars and supermassive black holes, and the possible relative roles of mergers and gas accretion in influencing galaxies at different redshifts.

Ce séminaire aura lieu au CEA Saclay – Orme des Merisiers – bâtiment 709, Salle 220.