



Séminaire organisé par

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



## **GALAXIES UNDER THE COSMIC MICROSCOPE**

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Galaxy clusters magnify the images of distant galaxies that serendipitously lie behind them. This gives us the opportunity to spatially resolve distant galaxies in a level of detail which would otherwise require the increased light grasp and resolution of the next generation of telescopes. In this talk, I will present some recent results which have exploited strong lensing to resolve the gas and star-formation within galaxies between  $z=2-5$  on scales between 100pc and 1kpc, measuring the interaction between star-formation and gas dynamics on these scales. These results provide an exciting glimpse of the science that will be possible once ELT and ALMA reach full science operations.

**19 janvier 2012**

**11h00 Salle Galilée bât 713 C - Orme des Merisiers**



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