



Séminaire organisé par

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



SPECTROSCOPIC AND ASTEROSEISMIC DIAGNOSTICS ON MIXING PROCESSES INSIDE RED GIANT STARS

N.LAGARDE

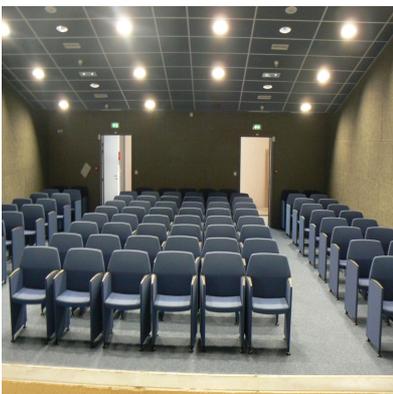
(School of physics and astronomy, Birmingham Univ., UK)

The availability of asteroseismic constrains for a large sample of stars from CoRoT and Kepler paves the way for various statistical studies of the seismic properties of stellar populations, and becomes a powerful tool to better understand stellar structure and evolution.

I will present predictions of stellar models computed with the code STAREVOL including thermohaline mixing together with rotational mixing. I will compare our theoretical predictions with recent spectroscopic observations, and discuss the effects of both mechanisms on asteroseismic diagnostics.

28 Mars 2013

11h00 Salle Galilée bât 713 C - Orme des Merisiers



Un café sera servi 15 mn avant le séminaire

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