

Service d'Astrophysique
SÉMINAIRE

Mardi 05/11/2013, 10h00

CEA Saclay, Orme des Merisiers Bat 713, salle de séminaires Galilée

**ASTEROSEISMOLOGY OF MASSIVE
STARS: FUNDAMENTAL PROPERTIES OF STELLAR
OBJECTS AT HIGH PRECISION**

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Recent improvements in space-based missions (CoRoT and Kepler), large ground based telescope facilities (VLT), improvements in techniques (optical interferometry) and large scale surveys (WISE, LSST) etc have given us more diverse and precise data than ever before. Consequently, we can test our knowledge of stellar evolution in more detail than before. With this talk, I present a framework in which different observational techniques can be combined with new observational models of stars in order to constrain their fundamental parameters to higher accuracy. These observational models include a variety of effects, from multiplicity to magnetic fields and pulsations, and need to give a consistent picture of the studied objects. I will illustrate the new framework to a variety of objects, from exoplanets to white dwarfs.

Le cafe sera servi 10 minutes avant

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