



Séminaire organisé par

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



**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.

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10h00 Salle Galilée bât 713 C - Orme des Merisiers



Le petit-déjeuner précèdera le séminaire

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