

物理科学科 セミナー

講師：Dr. Arnaud Cassan

(Université Pierre et Marie Curie / Institut d'Astrophysique de Paris)

日時：11月25日(水) 13:30 -- 14:30

場所：万有館 2 階セミナー室

題目：“Recent results and perspectives in microlensing exoplanets search”

講演要旨

In this seminar, I will review recent discoveries and developments in exoplanet search through gravitational microlensing. I will first recall the basics of the method, in particular what quantities can be measured and how (observational strategy, instruments, modeling). I will then discuss current microlensing detections and statistics, with a special focus on three topics: the Spitzer follow-up of microlensing events using space-based parallax, the recent detection of several new objects in the brown dwarf desert, upcoming microlensing campaign with Kepler spacecraft K2 mission. I will also raise scientific challenges facing exoplanetary sciences today, in which microlensing should significantly contribute thanks to recent improvements in telescopes and instruments.

※講演は英語になりますが、ゆっくりとお話ししていただく予定ですので、学部・大学院の学生で興味のある方、ぜひご参加ください。

講師紹介 (http://www2.iap.fr/users/cassan/cv_fr/cv_eng/index.html)

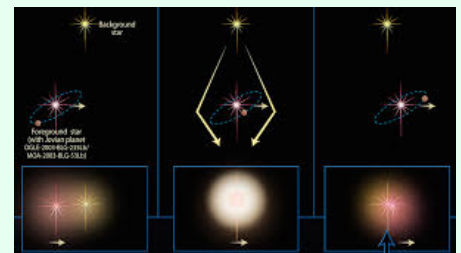
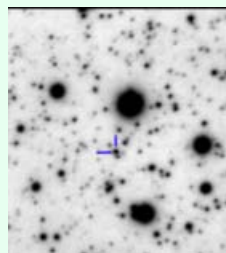
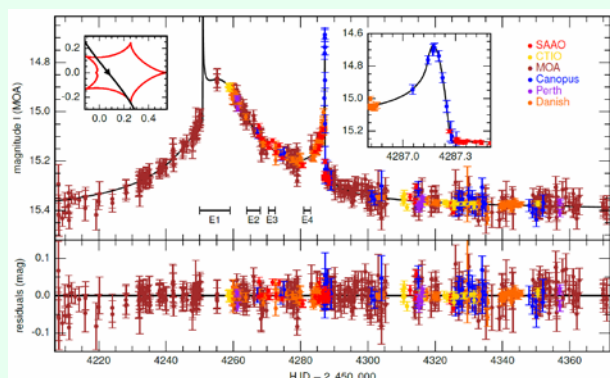


Dr. Arnaud Cassan

Associate Professor, Université Pierre et Marie Curie
/ Astrophysicist, Institut d'Astrophysique de Paris

受賞歴

- Medal Carrefour des jeunes talents de l'ENS de Cachan (Ph.D. award), 2007
- Prix Le Monde de la recherche universitaire (Ph.D. award), 2006



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