

第22回 RESCEU コロキウム



東京大学大学院理学系研究科 附属ビッグバン宇宙国際研究センター

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場 所: 理学部4号館1階ピロティ RESCEU セミナー室

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Detection and characterization of exoplanetary systems: The contribution of high angular resolution

The quest of exoplanets is driven by our search for habitability and our understanding of planetary formation. Whatever the detection method used, the exoplanets parameters are strongly linked to stellar properties. Thus, to know the planet, we have to know the star. However, characterising stars is not an easy task, as direct measurements are limited to bright stars and stellar models meet degeneracies. I will show how high angular resolution can be used both for exoplanetary detection and characterisation. In particular, I will show how interferometry is precious to derive global stellar parameters, and can lead to the determination of internal structure of exoplanets. Finally, direct imaging is a good solution for bringing insights in planetary formation theories.

興味をお持ちの方の聴講を歓迎致します。お茶とお菓子を用意しております。