



1st ITA - MPIA/Heidelberg - IPAG Colloquium "Signs of planetary formation and evolution"

8-9 Oct 2012 Grenoble (France)

- Monday 8th, October 2012

Introduction

. 09:00 – 10:30: Welcome + Institute Reviews (Chair: G. Chauvin)

- Welcome: G. Chauvin
- IR: T Henning Presentation & Activities at MPIA
- IR: C. Dullemond Presentation & Activities at ZAH-ITA
- IR: J.-L. Monin Presentation & Activities at IPAG

. 10:30 – 11:00: Coffee

Session 1: Disks, Observations & Modelling

. 11:00 – 12:05: S1a (Chair: C. Dullemond)

- NT: J. Steinacker, SEED@IPAG - Exploring the seed population of planet formation with coreshine, IPAG
- ST: J. Bouvier: Magnetic star-disk interaction: do planets care?"
- NT: W. Kley, The physics of planet-disk interaction, U. Tubingen

. 12:05 – 13:35: Lunch

. 13:35 – 15:10: S1b (Chair: W. Kley)

- NT: P. Pinilla, Dust Growth in Transitional Disks, ZAH
- ST: C. Pinte, Radial dust migration in the TW Hydra protoplanetary disk, IPAG
- NT: M. Benisty, Unveiling the inner disk structure of pre-transition disks, IPAG
- ST: A. Carmona, HD 135344B, small gap, big gap? planets? Understanding the disk structure of the transition disk HD 135344B using multi-instrument observations of gas and dust and advanced radiative transfer disk modeling, IPAG
- ST: J. Rameau, On the surrounding of HD 142527, IPAG

. 15:10 – 15:40: Coffee

. 15:40 – 17:15: S1c (Chair: G. Chauvin)

- NT: J. Olofsson, Transient dust in warm debris disks, MPIA
- ST: J. Lebreton, Detailed Radiative transfer modeling of exozodis, IPAG
- NT: D. Semenov, Origin of water on Earth: the clues from pre-planetary phase of the Solar nebula, MPIA
- ST: A. Bonsor Amy, The origin of exozodiacal dust, IPAG
- ST: V. Faramaz, An Eccentric Gyr Debris Disk - Dynamical Modelling of the Herschel-resolved Disk of Zeta2 Reticuli, IPAG

. 19:30: Colloquium diner – Table Ronde



- Tuesday 9th, October 2012

Session 2: Exoplanets, Observations & Modelling

. 09:00 – 10:35: S2a (Chair: F. Allard)

- NT: N. Meunier, Using the sun to study the impact of stellar activity on exoplanet detectability, IPAG
- ST: M. Mohler, Disentangling planetary RV signals and stellar activity, MPIA
- NT: X. Bonfils, Search for planets around M dwarfs : status and prospects, IPAG
- ST: S. Ciceri, A lower mass and radius for HAT-P-8, MPIA
- ST: H. Beust, Kozai migration with tidal friction (KCTF) as a potential source for Gliese 436b's eccentricity, IPAG

. 10:35 – 11:05: Coffee

. 11:05 – 12:15: S2b (Chair: J.-C. Augereau)

- NT: F. Allard, Model Atmospheres: Red dwarf, brown dwarf and exoplanet spectral properties, CRAL
- ST: P. Delorme, Atmospheric characterisation of a probable 4-7 Jupiter-mass free-floating planet in the young moving group AB Doradus, IPAG
- ST: K.-M. Dittkrist, New migration model: Effects of saturation, cooling and stellar irradiation.
- ST: D. Bernard, Thermospheric emissions of the early Earth, IPAG

. 12:15 – 13:45: Lunch

Session 3: Exoplanets, Techniques & Prospective

. 13:45 – 15:15: S3 (Chair: T. Henning)

- ST: S. Mouillet, Data reduction experience and tools to get the best of exoplanet observations, IPAG
- ST: M. Lenius, Feldt Markus, Statistical analysis of a synthetic planet population for SPHERE NIRSUR GTO survey, MPIA
- ST: W. Brandner, The AstraLux large M-dwarf survey: preparation for surveys for exo-Earths around low mass stars, MPIA
- ST: A. Quirrenbach, CARMENES, ZAH
- ST: N. Zimmerman, Astrometric Exoplanet Detection, MPIA
- ST: F. Malbet, High precision astrometry to detect exoplanets in the Habitable zone, IPAG

Conclusion

. 15:15 – 15:30: IMI-2012 Conclusion (J. Bouvier)

. 15:30: End of the Colloquium for early departure

- **Talk Format:** Institute Review (IR) = 25'. Normal Talk (NT) = 15' + 10'. Short Talk (ST) = 10' + 5'.

