

Journée des Thèses – Theses Day
Vendredi 3 avril 2015 – Friday, April 3 2015
IAP

09:30 Welcoming

- 09:45 **Clotilde Laigle**: “Observational and theoretical constraints on galaxy evolution at high redshift”
- 10:00 **Hélène Dupuy**: “A new approach to study the impact of neutrinos on large-scale structure formation”
- 10:15 **Julia Gutkin**: “Constraints on the physical properties of star-forming gas in primeval galaxies”
- 10:30 **Nicolas Martinet**: “Formation and evolution of medium redshift galaxy clusters in the DAFT/FADA survey”
- 10:45 **Clément Ranc**: “Exoplanets and brown dwarfs detections using gravitational microlensing”

11:00 Cafe

- 11:30 **Alba Vidal Garcia**: “Modelling and interpretation of the ultraviolet spectral energy distributions of primeval galaxies”
- 11:45 **Sébastien Carassou**: “Co-evolution of morphometric and spectrophotometric properties of galaxies from $z \sim 2$ to $z \sim 0$ ”
- 12:00 **Laura Bernard**: “Consistent massive graviton on arbitrary background”
- 12:15 **Mélanie Habouzit**: “Formation of supermassive black holes”
- 12:30 **Caterina Umilta**: “Improving Planck cosmological results with component separation”

12:45 Lunch

- 14:45 **Tilman Hartwig**: “How a proper implementation of H₂ self-shielding influence the formation of supermassive black hole seeds”
- 15:00 **Erwan Allys**: “Bosonic structure of supersymmetric cosmic strings in a realistic GUT context”
- 15:15 **Thomas Lacroix**: “Implications of dark matter annihilations from a density spike in the M87 galaxy”
- 15:30 **Rebekka Bieri**: “Exploring the Role of AGN Feedback in Galaxy Formation”
- 15:45 **Jean-Baptiste Fouvy**: “Self-Gravity, Resonances & Orbital diffusion in stellar discs”

16:00 Cafe

- 16:30 **Nicolas Cornuault**: “An often forgotten ingredient of galaxy formation and evolution: turbulence in haloes — modelling and physical implications”
- 16:45 **Pierre Fleury**: “How does the small-scale structure of the Universe affect light propagation?”
- 17:00 **Florent Leclercq**: “Bayesian large-scale structure inference and cosmic web analysis”
- 17:15 **Federico Mogavero**: “Parallax effects on observations of microlensing events”
- 17:30 **Charlotte Welker**: “Galaxy evolution in AMR simulations”

18:00 Cocktail