

Workshop Program
Nonlinear Large Scale Structure: Theory Meets Expectations

Tuesday, May 24th 2016 <i>Reality Check</i>	
09:00	Registration
09:10	Francis Bernardeau (IAP & IPhT Saclay, France) <i>Introduction to nonlinear large scale structure</i>
09:30	Yannick Mellier (IAP & SAp CEA, France) <i>Exploring large scale structures with Euclid</i>
10:30	Coffee
11:00	Florian Beutler (U. of Portsmouth, UK) <i>Recent large scale structure measurements</i>
12:00	Discussion Francis Bernardeau
12:30	Lunch break
14:00	Uros Seljak (UC Berkeley, US) <i>LSS: Data, simulations, theory</i>
15:00	Coffee
15:30	Stephane Colombi (IAP, France) <i>High precision simulations for high precision Cosmology</i>
16:30	Coffee
17:00	Pier-Stefano Corasaniti (Observatoire de Paris, France) <i>N-body power spectrum & covariance benchmarks for future galaxy survey data analyses</i>
18:00	Discussion Francis Bernardeau

Wednesday, May 25th 2016
Perturbative Theory Methods

09:30	Roman Scoccimarro (NYU, US) <i>Standard & renormalized perturbation theories and beyond</i>
10:30	Coffee
11:00	Takahiko Matsubara (Nagoya U., Japan) <i>The Lagrangian and the integrated perturbation theories</i>
12:00	Discussion Uros Seljak
12:30	Lunch break
14:00	Massimo Pietroni (INFN Padova, Italy) <i>The time renormalization group and coarse-grained perturbation theories</i>
15:00	Coffee
15:30	Leonardo Senatore (Stanford U. & SLAC, US) <i>On perturbation theory methods</i>
16:30	Coffee
17:00	Matias Zaldarriaga (IAS, US) <i>Effective field theory of large scale structure in Lagrangian space</i>
18:00	Discussion Uros Seljak
20:45	Dinner cruise on the Seine

Thursday, May 26th 2016
Beyond Standard Models

09:20	Workshop photo
09:30	Enrico Pajer (Utrecht U., Netherlands) <i>Primordial non-Gaussianity in large scale structures</i>
10:00	Drian van der Woude/Yvette Welling (Utrecht U./Leiden U., Netherlands) <i>Effective theory of large scale structure with primordial non-Gaussianity</i>
10:30	Coffee
11:00	Patrick Valageas (IPhT Saclay, France) <i>Large scale structure in some modified Gravity scenarios</i>
11:30	Atsushi Taruya (U. of Kyoto, Japan) <i>Redshift space distortions as a probe of modified Gravity</i>
12:00	Discussion Matias Zaldarriaga
12:30	Lunch break
14:00	Helene Dupuy (U. of Geneva, Switzerland) <i>Including massive neutrinos in standard perturbation theory</i>
14:30	Diego Blas (CERN, Switzerland) <i>Massive neutrinos and LSS beyond the linear regime via the time RG approach</i>
15:00	Coffee
15:30	Carmelita Carbone (INAF Merate, Italy) <i>Clustering, lensing and ISW-RS from very large simulations with massive neutrinos</i>
16:00	Michele Levi (IAP & ILP, France) <i>Massive neutrinos in nonlinear LSS: A consistent perturbation theory</i>
16:30	Coffee
17:00	Daniele Bertolini (UC Berkeley, US) <i>The EFT of LSS at NNLO: Trispectrum and covariance of the power spectrum</i>
17:30	Katelin Schutz (UC Berkeley, US) <i>N-point functions in the EFT of LSS: practical challenges and future prospects</i>
18:00	Discussion Matias Zaldarriaga