



BAO&RSD – Dark Light on Obscure Acronyms
Sexten Center for Astrophysics (Sesto, ITALY)
04-08 July 2016

V3: updated 30 June

Monday 04

- 8:30-9:00 Registration
- 9:00-9:15 Welcome and Organization (Gigi Guzzo)

(Morning chair: *Emiliano Sefusatti*)

- 9:15-11:15
 - **Yun Wang** - Galaxy Clustering Data Analysis
 - **Federico Marulli** - Cosmology from galaxy and cluster clustering
 - **Alfonso Veropalumbo** - Cosmological constraints from the clustering of galaxy clusters
 - **Andres Balaguera-Antolinez** - Angular clustering with 2MPZ
- 11:15-11:30 Coffee Break
- 11:30-12:30
 - **Francisco Villaescusa-Navarro** - Precise cosmology with radial BAO from intensity mapping
 - **Andrej Obuljen** - BAO reconstruction from 21cm intensity mapping
- 12:30 LUNCH (free choice around the CfA)

(Afternoon chair: *Will Percival*)

- 14:30-16:30
 - **Mark Neyrinck** - Sliced correlations: revealing density-dependent clustering
 - **Istvan Szapudi** - Precision prediction of the Log Power Spectrum
 - **Nico Hamaus** - Void Dynamics - Constraints on Cosmology and Gravity
 - **Adam Hawken** - RSD around voids
- 16:30-17:00 Coffee Break
- 17:00-18:00
 - **Ariel Sanchez** - Anisotropic clustering measurements in the final BOSS
 - **Shun Saito** - Understanding the galaxy-halo connection in BOSS

Tuesday 05

- **MORNING: Collaborative work / Discussions**
- 12:00 LUNCH (free choice around the CfA)

(Chair: **Cristiano Porciani**)

- 14:00-16:00
 - **Martin Crocce** - BAO/RSD in current and future DES data
 - **Hector Gil-Marin** - Constraining cosmological parameters using BOSS data: Power Spectrum and Bispectrum
 - **Michele Moresco** - Exploring 3PCF in cluster of galaxies
 - **Emiliano Sefusatti** - Accurate Estimators of Correlation Functions in Fourier Space
- 16:00-16:30 Coffee Break
- 16:30-18:00
 - **Lado Samushia** - Optimal errors and accurate covariances for future galaxy surveys
 - **Pierluigi Monaco** - Approximate methods for the evolution of dark matter halos
 - **Raul Angulo** - MCMC with N-body simulations: a RSD example

Wednesday 06

EXCURSION / COLLABORATIVE WORK / FREE DISCUSSION

Thursday 07

- **MORNING: Collaborative work / Discussions**
- 12:00 LUNCH (free choice around the CfA)

(Chair: **Enzo Branchini**)

- 14:00-16:00
 - **Andrea Pezzotta** - RSD results from the final VIPERS dataset
 - **Faizan Mohammad** - Growth of Structure from Multi-Tracer Cross-Correlations in VIPERS
 - **Ben Granett** - A Maximum-Likelihood Quadratic Estimator for RSD: application to VIPERS
 - **Uros Seljak** - Emulating RSD
- 16:00-16:30 Coffee Break

- 16:30-18:30
 - **Cora Uhlemann** - Streaming Models for redshift space distortions
 - **Davide Bianchi** - Modelling RSD on both linear and nonlinear scales
 - **Julien Bel** - Modelling the moments of the pairwise velocity distribution
 - **Jun Koda** - Nonlinear redshift-space distortions by large-scale velocity field

Friday 08

(Chair: **Luigi Guzzo**)

- 9:00-11:00
 - **Manuel Colavincenzo** - The effect on 2-point and 4-point statistics of errors on the visibility mask
 - **Francesca Lepori** - A model independent method for the Alcock-Paczynski test
 - **Florent Leclercq** - Bayesian large-scale structure inference
 - **Jianhua He** - Testing modified gravity with galaxy clustering
- 11:00-11:30 [Coffee Break](#)
- 11:30-12:30 **Wrap-up / Panel Discussion**
- 13:00 [LUNCH \(free choice around the CfA\)](#)
- 14:30-16:30 **For those still around: Collaborative work / Discussions**