

Theoretical Cosmology in the Era of Large Surveys: Conference

Monday, May 2, 2016

Time	Speaker	Title
9:00-9:40	Raul Abramo	Cosmology with a massive multi-tracer survey of large-scale structure
9:40-10:20	Chris Clarkson	Roulettes: A weak lensing formalism for strong lensing
10:20-11:10	Coffee break	
11:10-11:50	Raul Jimenez	Do we understand the Universe
11:50-12:30	Roy Maartens	Nonlinear effects in the power spectrum on ultra large scales
12:30-14:00	Lunch break	
14:00-14:20	Patrick Valageas	K-mouflage models of modified gravity
14:20-14:40	Sabir Ramazaanov	Living with ghosts in Horava-Lifshitz gravity
14:40-15:00	Marco Crisostomi	Extended scalar-tensor theories beyond Horndeski
15:00-15:20	Marco Baldi	Large-scale structure with momentum exchange in the dark sector
15:20-15:40	Enrico Trincherini	Weakly Broken Galileon Symmetry
15:40-16:00	Andrea Quadri	The Cosmological Slavnov-Taylor Identity from BRST Symmetry
16:00-16:30	Coffee break	
16:30-16:50	Ana Catarina Leite	Dark Energy constraints from the ESPRESSO Fundamental Physics GTO
16:50-17:10	Amjad Ashoorioon	Hemispherical Asymmetry from Parity-Violating Excited Initial States
17:10-17:30	Cora Uhlemann	Large deviation statistics of the cosmic density field
17:30-17:50	Yuko Urakawa	Modular invariant inflation
17:50-18:10	Elliot Nelson	Simulating Non-Gaussianity from Inflation with Path Integrals and MCMC
18:20	RECEPTION	

Tuesday, May 3, 2016

Time	Speaker	Title
9:00-9:40	Paolo Creminelli	Robustness of primordial tensor mode predictions
9:40-10:20	Diego Blas	TSPT: a new method for large scale structure in the mildly non-linear regime
10:20-11:10	Coffee break	
11:10-11:50	Filippo Vernizzi	Effective theory of dark energy
11:50-12:30	David Langlois	Exploring scalar-tensor theories beyond Horndeski
12:30-14:00	Lunch break	
14:00-14:40	Constantinos Skordis	
14:40-15:20	Nicola Bartolo	
15:20-15:50	Coffee break	
15:50-17:30	Discussion panel:	usefulness of effective field theory

Wednesday, May 4, 2016

Time	Speaker	Title
9:00-9:40	Carlos Martins	Cosmology and Fundamental Physics in the E-ELT era
9:40-10:20	Fabio Finelli	Inflation after Planck 2015 and perspectives from future observations
10:20-11:10	Coffee break	
11:10-11:50	Bin Hu	Effective Field Theory with CAMB
11:50-12:30	Anne Davis	Screened, Modified Gravity - Constraints and Forecasts
12:30-14:00	Lunch break	FREE AFTERNOON

Thursday, May 5, 2016

Time	Speaker	Title
9:00-9:40	Alexei Starobinsky	Perspectives of reconstruction of inflationary models from the power spectrum of density perturbations
9:40-10:20	Alessandra Silvestri	Large Scale Structure and Dark Energy: theoretical challenges and progress
10:20-11:10	Coffee break	
11:10-11:50	Ana Achucarro	Single field inflation and its multifield realizations
11:50-12:30	Gianmassimo Tasinato	Supersolid Inflation
12:30-14:00	Lunch break	
14:00-14:40	Emil Mottola	Low Energy Einstein Gravity Modified by the Conformal Anomaly and Cosmology
14:40-15:20	Lam Hui	Light axion dark matter
15:20-16:00	Leonardo Senatore	Recent Developments on the Effective Field Theory of Large Scale Structures
16:00-16:30	Coffee break	
16:30-18:00	Discussion panel LSS	

Friday, May 6, 2016

Time	Speaker	Title
9:00-9:40	Emanuela Dimastrogiovanni	Testing early Universe physics with upcoming observations
9:40-10:20	Matteo Fasiello	Cosmic Acceleration from Modified Gravity
10:20-11:10	Coffee break	
11:10-11:50	Nicolao Fornengo	Particle dark matter signals in the anisotropic sky: a cross correlation approach
11:50-12:30	Patrick Peter	Bouncing cosmologies
	Lunch break	END