

ROE – JSPS Workshop 2007:

Decrypting the Universe – Large Surveys for Cosmology

Wifi access: Username:

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Time	Title	Speaker
Wednesday 24th		
10.00-11.00	START OF MEETING, COFFEE, REGISTRATION	
11.00-12.30	1: The state of the Universe	Peacock
11.00-11.10	Welcome	
11.10-11.55	The State of the Universe	Spergel
11.55-12.30	The direct detection of Dark Matter	Murphy
12.30-14.00	LUNCH	
14.00-15.35	2: Dark Energy	Suto
14.00-14.35	Dark Energy Theory	Copeland
14.35-14.55	Anisotropic Clustering of Galaxies in High-z Universe as a Probe of Dark Energy	Matsubara
14.55-15.15	Optimisation of large surveys to probe the dark energy	Parkinson
15.15-15.35	DUNE: The Dark UNiverse Explorer	Refregier
15.35-16.00	TEA	
16.00-17.30	3: Science with Subaru	Sharples
16.00-16.35	Wide-field surveys with the Subaru telescope	Yamada
16.35-17.10	Hyper Suprime-Cam	Miyazaki
17.10-17.30	Constraining Galaxy Formation and Reionization by Deep and Wide-Field Surveys	Ouchi
From 18.30	Pre-Public Lecture Drinks in the National Galleries	
19.30-20.30	Public Lecture by David Spergel	
Thursday 25th		
09.00-10.30	4: Large scale structure with photo-z surveys	Carlberg
09.00-09.35	Review of weak lensing and large-scale structure	Mellier
09.35-10.10	Photometric redshifts for LRGs, DES and DUNE and the cross talk with Dark Energy	Lahav
10.10-10.30	Pan-STARRS	Phleps
10.30-11.00	COFFEE	
11.00-12.40	5: Baryonic Acoustic Oscillations	Frenk
11.00-11.20	BAOs in the 2dFGRS and SDSS	Percival
11.20-11.40	Photo-z versus Spectroscopic Routes to BAOs	Shanks
11.40-12.00	The PAU BAO Experiment	Jimenez
12.00-12.20	BOSS: The Baryon Oscillation Spectroscopic Survey	Padmanabhan
12.20-12.40	FastSound: A near-infrared BAO survey by Subaru/FMOS	Totani
12.40-13.50	LUNCH	

Time	Title	Speaker
13.50-15.25	6: Galaxy formation and clustering	Matsubara
13.50-14.25	Galaxy formation theory and modelling	Cole
14.25-14.45	Galaxy clustering in UKIDSS Large Area Survey	Loveday
14.45-15.05	Statistics of high redshift galaxies from MUSYC	Padilla
15.05-15.25	Photoionization Impact of Galaxies and QSOs on the IGM	Meiksin
15.25-15.45	TEA	
15.45-17.20	7: Nearby cosmology	Ferguson
15.45-16.20	Nearby cosmology review	Helmi
16.20-16.40	The dSph satellites of the Milky way as Dark Matter tests	Gilmore
16.40-17.00	Near-field cosmology: structure and dynamics of the old galactic components	Chiba
17.00-17.20	Reconstructing the Formation Histories of the Milky Way and Andromeda Galaxies	Font
17.30	Departure of buses to Mary King's Close tours	
18.00-19.40	Mary King's Close tours	
From 19.45	Conference Dinner at the George Hotel, with drinks on arrival	
Friday 26th		
09.00-10.35	8: Supernovae	Rawlings
09.00-09.35	Type Ia Supernova and Dust Extinction	Doi
09.35-09.55	Verifying the Utility of Distant Supernovae as Precision Cosmology Probes	Ellis
09.55-10.15	The Supernova Legacy Survey	Sullivan
10.15-10.35	Cosmology with the European ELT	Hook
10.35-11.00	COFFEE	
11.00-13.00	9: Modified gravity and more BAOs	Refregier
11.00-11.35	Modified gravity models	Maartens
11.35-11.55	Observational tests of modified gravity models with future imaging survey of galaxies	Yamamoto
11.55-12.10	A closure theory for non-linear evolution of power spectrum	Taruya
12.10-12.25	The impact of non-linear evolution of cosmological matter power-spectrum on the measurement of neutrino masses	Saito
12.25-12.40	The detectability of baryonic acoustic oscillations in future galaxy surveys	Angulo
12.40-13.00	The Hobby-Eberly Telescope Dark Energy Experiment	Hill
13.00-14.15	LUNCH	
14.15-15.35	10: Surveys at other wavelengths	Aihara
14.15-14.35	Evidence for a Population of High-Redshift Submillimeter Galaxies from Interferometric Imaging	Younger
14.35-14.55	Surveys of high-z galaxies and galaxy clusters with Herschel and SCUBA-2	Van Kampen
14.55-15.15	Decrypting the Universe with LOFAR	Best
15.15-15.35	The Square Kilometre Array (SKA)	Rawlings
15.35-16.00	TEA	
16.00-17.30	11: Synergy of methods	Spergel
16.00-16.35	The non-Gaussian signatures in cosmic shear fields	Takada
16.35-16.55	Complementarity of Future Dark Energy Probes	Weller
16.55-17.30	Summary remarks	Suto & Ellis

Note: Talk schedule is inclusive of question time (~5')