



# COSMO-15, the 19th annual International Conference on Particle Physics and Cosmology

## Tuesday 08 September 2015

### CMB, LSS and cosmological parameters: CMB + LSS - Main Hall (14:00-15:40)

**-Conveners: Ruth Durrer**

time	[id] title	presenter
14:00	[32] CMB Lensing and Scale Dependent New Physics	LINDER, Eric
14:20	[93] On soft limits of large-scale structure correlation functions	SAGUNSKI, Laura
14:40	[97] Intensity Mapping and One-Point Statistics	BREYSSE, Patrick
15:00	[99] Measuring the speed of light with Baryon Acoustic Oscillations	SALZANO, Vincenzo
15:20	[104] Non-parametric Reconstruction of the Hubble Expansion History	ZHAN, Hu

### CMB, LSS and cosmological parameters: CMB + LSS - Main Hall (16:10-18:10)

**-Conveners: Bronisław Rudak**

time	[id] title	presenter
16:10	[107] The SPIDER experiment: Instrument review, flight performance, and preliminary results	GUDMUNDSSON, Jon
16:30	[109] Oscillations in the CMB bispectrum	MUNCHMEYER, Moritz
16:50	[113] CMB bispectrum	HIRAMATSU, Takashi
17:10	[115] Theoretical Predictions of Large Scale Clustering in the Lyman-alpha Forest	CIEPLAK, Agnieszka
17:30	[117] On Planck Asymmetries, Alignments and Calibration.	NOTARI, Alessio
17:50	[120] The effect of clustering dark energy on cosmological parameter estimation	HENEKA, Caroline

## Wednesday 09 September 2015

### CMB, LSS and cosmological parameters: CMB + LSS - Main Hall (09:00-10:40)

-Conveners: Tomasz Bulik

time	[id] title	presenter
09:00	[124] The Abundance of Extreme Cosmic Voids	CHONGCHITNAN, Siri
09:20	[126] Tension between the power spectrum of density perturbations measured on large and small scales	CHARNOCK, Tom
09:40	[129] Intrinsic galaxy size correlations and their importance for weak lensing	CRITTENDEN, Robert
10:00	[130] CMB lensing and deflection angles in high precision cosmology	FANIZZA, Giuseppe
10:20	[142] Is there evidence for anisotropy in CMB data?	SAADEH, Daniela

### CMB, LSS and cosmological parameters: CMB - Main Hall (11:10-12:50)

-Conveners: Tomasz Bulik

time	[id] title	presenter
11:10	[148] New approach to cosmological perturbation theory from an effective action	IVANOV, Mikhail
11:30	[149] Anisotropic Correlations in Fourier Phases	EGGEMEIER, Alexander
11:50	[150] Backreaction in Growing Neutrino Quintessence	FUEHRER, Florian
12:10	[33] Evading non-linearities: Baryon Acoustic Oscillations at the linear point	ANSELMINI, Stefano
12:30	[212] .	

### CMB, LSS and cosmological parameters: LSS - Rm 207 (11:10-12:50)

-Conveners: Marek Biesiada

time	[id] title	presenter
11:10	[153] General relativistic corrections in N-body simulations -- The N-body gauge	FIDLER, Christian
11:30	[154] Weak lensing signals induced from second-order vector perturbation	SAGA, Shohei
11:50	[155] Using dark energy to suppress power at small scales	SAWICKI, Ignacy
12:10	[161] Constraining higher-order primordial non-Gaussianity from power spectra and bispectra of imaging survey	HASHIMOTO, Ichihiko
12:30	[163] How to model the effect of small-scale structures on light propagation?	FLEURY, Pierre

# Thursday 10 September 2015

## CMB, LSS and cosmological parameters: CMB + LSS - Main Hall (14:00-15:40)

-Conveners: Marek Demiański

time	[id] title	presenter
14:00	[52] Cosmology on the Largest Scales	CAMERA, Stefano
14:20	[169] How much useful cosmological information can we capture beyond the linear regime of structure formation?	CARRON, Julien
14:40	[171] Decaying Dark Matter and the Discrepancy in $\sigma_8$	SEKIGUCHI, Toyokazu
15:00	[174] An introduction to 21cm cosmology using HI intensity mapping	POURTSIDOU, Alkistis
15:20	[177] Robust forecasts on inflationary science from the foreground-obscured, gravitationally lensed CMB polarisation	FEENEY, Stephen

## CMB, LSS and cosmological parameters: CMB + LSS - Main Hall (16:10-18:10)

-Conveners: Marek Demiański

time	[id] title	presenter
16:10	[179] Halo/Galaxy Bispectrum with Equilateral-type Primordial Trispectrum	MIZUNO, Shuntaro
16:30	[182] Dark energy and non-linear power spectrum	GONG, Jinn-Ouk
16:50	[185] Cross-correlation between the CMB lensing potential measured by Planck and high-redshift Herschel-ATLAS galaxies	BIELEWICZ, Pawel
17:10	[190] Non-local bias in the halo bispectrum with primordial non-Gaussianity	TELLARINI, Matteo
17:30	[192] The bispectrum of relativistic galaxy number counts	MAROZZI, Giovanni
17:50	[195] Primordial black holes as biased tracers	TADA, Yuichiro

# Friday 11 September 2015

## CMB, LSS and cosmological parameters: CMB + LSS - Main Hall (14:00-15:40)

-Conveners: **Bożena Czerny**

time	[id] title	presenter
14:00	[122] A convergent perturbation theory for Newtonian cosmological structure formation	RAMPF, Cornelius
14:20	[123] Measuring CMB Polarization with POLARBEAR and the Simons Array: Towards New Constraints on Neutrino Masses and Inflation	REICHARDT, Christian
14:40	[125] The structure of the real line and cosmology	KLIMASARA, Pawel
15:00	[128] Post-Newtonian Cosmological Modelling	SANGHAI, Viraj
15:20	[206] The decay of primordial magnetic fields and CMB spectral distortions	WAGSTAFF, Jacques