Swiss Cosmology Days 2019 - Program 4 - 5 July 2019 - University of Zürich main campus in lecture hall KOL-H-317		
Thursday, July 4 2019		
10.30 - 11.15 Welcome Coffee		
11.15 - 11.25 Introduction		
11.25 - 12.45 Inflation, magnetic fields and dark energy		
Francisco Torrenti (15+5)	Unibas	Lifetime of oscillons in hilltop potentials
Kenneth Marschall (15+5)	Unibas	Non-thermal Leptogenesis after Hilltop Inflation
Jennifer Schober (15+5)	EPFL	On the non-linear evolution of primordial magnetic fields Physics and Astrophysics
Farbod Hassani (15+5)	Unige	k-evolution and the trace of a non-linear instability
12.45 - 14.15 Lunch		
14.15 - 16.15 Gravitational lensing		
Tomasz Kacprzak (15+5)	ETHZ	Monte Carlo Control Loops for cosmic shear cosmology with DES Year 1
Tilman Tröster (15+5)	Edinbourgh	Weak gravitational lensing, baryons, and deep learning
Dominik Zuercher (15+5)	ETHZ	Extraction of Non-Gaussian features from weak lensing mass maps
Janis Fluri (15+5)	ETHZ	Cosmological constraints with deep learning from KiDS-450 weak lensing maps
David Harvey (15+5)	Leiden / EPFL	Strong Gravitational Lensing as a Probe of Warm Dark Matter Warm Dark Matter
Luca Tortorelli (15+5)	ETHZ	Measuring the galaxy luminosity function with forward modelling
16.15 - 16.45 Coffee Break		
16.45 - 17.45 Future surveys		
Romain Teyssier (15+5)	UZH	Euclid
Carlos Bengaly (15+5)	U. of the Western Cape	Probing the Cosmological Principle with SKA
Francesca Lepori (15+5)	Unige	Relativistic effects in the Lyman-Quasars cross-correlation: forecast for DESI
17.45 - 18.15 Discussion		
19.00 - 23.00 Dinner		

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Friday, July 5 2019		
09.30 - 10.50 LSS and Combined probes		
Jonathan Blazek (15+5)	EPFL	The present and future of combined-probe cosmology
Mona Jalilvand (15+5)	Unige	Loop contributions to angular powerspectra
Ermis Mitsou (15+5)	UZH	Angular N-point spectra and cosmic variance on the light-cone
Benjamin Bose (15+5)	Unige	Non-linear modelling for galaxy lensing and clustering
10.50 - 11.20 Coffee Break		
11.20 - 13.00 Fundamental tests		
Prasenjit Saha (15+5)	UZH	Cosmology and the new SI
Jérémie Francfort (15+5)	Unige	Do Einstein and Jordan count the same number of galaxies?
Johannes Noller (15+5)	ETHZ	Precision constraints for dark energy and modifed gravity
Felipe Oliveira (15+5)	Unige	A null test to probe the scale-invariance of the growth of structure
Gabriele Francolini (15+5)	Unige	Testing Primordial Black Holes as Dark Matter through LISA
13.00 - 14.30 Lunch		
14.30 - 15.50 Gravitational waves		
Adrian Boitier (15+5)	UZH	Sensitivity of Pulsar Timing Arrays towards Polarizations of Gravitational Waves
Maria Haney (15+5)	UZH	Source modeling for gravitational-wave data analysis
Michael Ebersold (15+5)	UZH	Memory effect in gravitational waves from compact binaries
Shubhanshu Tiwari (15+5)	UZH	Gravitational waves astronomy : From LIGO to LISA and steps in between
15.50 - 16.30 General Discussion		