New Timetable

Tehran meeting on Cosmology
5-10 August 2017, IPM, Tehran, IRAN
Details of scientific program

Morning session

Date and time	08:00-08:45	08:45-09:00	09:00-10:30	10:30-11:00	11:00-12:00	12:00-14:00
Saturday 5 Aug	Registration	Opening	Silverstein 1	Coffee Break	**Scott 1**	Pray & Lunch

Afternoon session

Date and time	14:00-15:00	15:00-16:00	16:00-16:30	16:30-17:30	17:30-18:30
Saturday 5 Aug	Malte Schaefer 1	**Scott 2**	Coffee Break	Malte Schaefer 2	Akrami 1

Date and time	Sunday 6 Aug	Monday 7 Aug	Tuesday 8 Aug	Wednesday 9 Aug	Thursday 10 Aug
09:00-10:00	**Sheth 1**	**Sheth 3**	Silverstein 2	Senatore 3	Senatore 4
10:00-10:30	Coffee Break	Coffee Break		Coffee Break	Coffee Break
10:30-11:30	Malte Schaefer 3	Senatore 2	Coffee Break	Malte Schaefer 4	**Scott 3**
11:30-12:30	Akrami 2	**Sheth 4**	**Excursion**	**Firouzjahi 2**	Akrami 4
12:30-14:00	Pray & Lunch	Pray & Lunch		Pray & Lunch	Pray & Lunch
14:00-15:00	**Sheth 2**	**Shafieloo 1**		Akrami 3	**Scott 4**
15:00-16:00	**Firouzjahi 1**	Noorbala 1		Noorbala 2	Senatore 5
16:00-16:30	Coffee Break	Coffee Break		Coffee Break	Concluding Remarks
16:30-17:30	Senatore 1	**Sheth 5**		**Shafieloo 2**	
17:30-18:30	Contributed talks 1	Free discussion		Contributed talks 2 & Poster session	

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❖ Yashar Akrami (Leiden) (4 sessions):

1. Observational tests of gravity and dark energy:
   a) Background evolution, and linear and quasilinear regimes
   b) Nonlinear regime and screening mechanisms
2. From ultra-large to ultra-small scales:
   a) Ultra-large scales and future experiments (Euclid and the SKA)
   b) Kinetic field theory of large-scale structure and nonlinear observables
   c) Local tests of gravity

❖ Bjoern Malte Schaefer (ZAH) (4 sessions):

1. Random fields in cosmology (random fields, central limit theorem, cosmic structure formation, fluid mechanics, linearization, nonlinearities and non-Gaussianities)
2. Statistical inference in cosmology (likelihoods, Bayesian statistics, statistical errors and the Fisher-formalism, Systematic errors, MCMC techniques, model selection, statistical evidence)
3. Squeezing cosmological information out of a weak lensing survey

❖ Arman Shafieloo (KASI) (2 sessions):

1. Special topics in data analysis in cosmology
2. Beyond the standard model of cosmology

❖ Hassan Firouzjahi (IPM) (2 sessions):

1. Inflation and primordial anisotropies
2. The role of defects during inflation
3. The application of “delta N” formalism in anisotropic backgrounds
4. EFT approach to anisotropic inflation

❖ Douglas Scott (UBC) (4 sessions):

1. Standard model of cosmology
2. Current status and the future of observational cosmology from CMB to LSS.
3. CMB after Planck (theory, experiments and their scientific goals)

❖ Ravi K. Sheth (UPenn) (5 sessions):

1. Structure formation: Linear theory, P(k) and the BAO
2. The excursion set approach: Halo abundances and clustering
3. The Halo Model in practice
4. The BAO linear point: A cleaner cosmological standard ruler
5. Assembly bias: Halo stochasticity and the cosmic web
6. Non-Markovian random walks
7. Mark correlation functions

❖ Mahdiyar Noorbala (UT) (2 sessions):

1. Stochastic Methods in inflation

❖ Leonardo Senatore (Stanford) (5 sessions):

1. Effective field theory in cosmology
2. Precision comparison of the Power Spectrum in the EFT of LSS

❖ Eva Silverstein (Stanford) (2 sessions):

1. Introduction to Inflation and primordial observables
2. B modes, large fields, and axion monodromy
3. Non-Gaussianity and QFT (new results)
4. Different approaches to inflation in string theory