

Fundamental Cosmology Meeting -- Scientific Programme		
	Monday	September 11th
12:30 - 14:00		Registration & light lunch
14:20 - 14:30	Welcome	
Cosmic Microwave Background		
14:30 - 15:15	Ken Ganga	European CMB coordination, and the E4 proposal
15:15 - 15:40	Silvia Galli	Reviewing tensions between Planck and other data
15:40 - 15:55	Enrique Martinez	CMB isotropy and Gaussianity: anomalies
15:55 - 16:10	Airam Marcos	Local properties of the large-scale peaks of the CMB temperature
16:10 - 16:25	Fernando Atrio-Barandela	Detecting the WHIM with gravitational lensing
16:30 - 17:00		Coffee Break
Dark Matter Detection		
17:00 - 17:25	Miguel Angel Sanchez-Conde	Halo substructure and implications for DM annihilation signals
17:25 - 17:50	Javier Redondo	Searching for axions in the sky and in the lab
17:50 - 18:15	María Luisa Sarsa	Dark Matter Direct Searches at Canfranc Underground Laboratory
18:30 - 19:15	<i>Francisco Prada</i>	Discussion & Beer
	Tuesday	September 12th
Large Scale Structure		
09:00 - 09:45	Eiichiro Komatsu	Position dependent power spectrum
09:45 - 10:10	Linda Blot	Covariance estimation from large ensembles of simulations
10:10 - 10:25	Joyce Byun	Recovering information beyond the power spectrum
10:25 - 10:40	Carlos Hernández-Monteagudo	Angular redshift fluctuations: a new cosmological observable?
10:40 - 11:05	Ginebra Favole	Modeling the galaxy clustering properties of H α emitters in new-generation spectroscopic surveys
11:10 - 11:40		Coffee Break
Results from Cosmological Surveys		
11:40 - 12:05	Ignacio Sevilla	The Dark Energy Survey: status and current results
12:05 - 12:20	Jose Alberto Rubiño Martin	The QUIJOTE experiment: project status and first scientific results
12:20 - 12:35	Pablo Arnalte-Mur	Halo profiles from small-scale galaxy clustering in ALHAMBRA
12:35 - 12:50	Hector Gil-Marin	Latest eBOSS results. BAO analysis of the quasar sample in $1 < z < 2$
12:50 - 13:05	Andras Kovacs	The ISW imprint of Supervoids: from simulations to DES, BOSS and Euclid data
13:05 - 13:20	Guillaume Hurier	Structure Growth and Dark Energy using redshift fluctuations
		Lunch
15:00 - 15:20	Thomas Kitching	Cosmic Shear: From Theory to Observations
15:20 - 15:30	Pablo Villanueva Domingo	Warm dark matter and the ionization history of the Universe
15:30 - 15:40	Susana Planellas	Multi-wavelength mock observations of the WHIM in a simulated galaxy cluster
15:40 - 15:50	Diego Pavón	Why the expansion of the universe is accelerated
15:50 - 16:00	Álvaro Orsi	Modelling satellite kinematics for redshift space distortions
16:00 - 16:30		Coffee Break

Cosmological probes		
16:30 - 17:15	Ariel Goobar	Physics breakthroughs through observations of the transient sky
17:15 - 17:30	Jordi Miralda Escude	Extremely magnified stars in lensing clusters as a probe to the nature of the dark matter.
17:30 - 17:45	Nicola Bellomo	Hiding neutrino mass in modified gravity cosmologies
17:45 : 18:00	Ivan de Martino	SZ effect as tool to probe fundamental physics and modified gravity
19:00 - 20:00		<i>Tour around Teruel</i>
20:30 -		<i>Conference Dinner</i>
	Wednesday	September 13th
Early Universe physics		
09:00 - 09:45	Fabio Finelli	Current constraints on cosmic inflation and prospects for the next generation of probes
09:45 - 10:00	Sukannya Bhattacharya	Constraining warm inflation from the Planck data
10:00 - 10:15	Kerstin Kunze	Constraining primordial magnetic fields with observations
10:15 - 10:30	Hayato Motohashi	Primordial Black Holes and Slow-Roll Violation
10:30 - 10:45	Héctor Ramírez Rodríguez	Generalized Slow-Roll approach for Horndeski gravity
10:50 - 11:20		<i>Coffee Break</i>
Upcoming cosmological surveys		
11:20 - 12:05	Mario Santos	Cosmology with the SKA
12:05 - 12:30	Stefano Gariazzo	Upcoming relic neutrino experiments
12:30 - 12:45	Silvia Bonoli	The J-surveys: status and forecasts.
12:45 - 13:00	Francisco Prada	Is there a hope of discovering new physics in the Euclid era?
13:00 - 13:15	Matthew Pieri	The WEAVE-QSO Survey
13:25 - 14:00	<i>José Alberto Rubiño-Martín</i>	<i>Discussion & Summary</i>