

Fundamental physics in the cosmos: The early, the large and the dark Universe

Tuesday 26 September 2017

Plenary Session - Main Auditorium (14:10 - 16:10)

-Conveners: Julien Lesgourgues

time	[id] title	presenter
14:10	[83] Ultra-light axion dark matter	HUI, Lam
14:50	[84] Axionic Dark Matter	RINGWALD, Andreas
15:30	[85] Dark Matter constraints from astroparticle experiments	CALORE, Francesca

Plenary Session - Main Auditorium (16:40 - 18:00)

-Conveners: Geraldine Servant

time	[id] title	presenter
16:40	[86] Large Scale Structure experiments and consequences for fundamental physics	PERCIVAL, Will
17:20	[87] PBH as DM	GARCIA-BELLIDO, Juan

Wednesday 27 September 2017

Plenary Session - Main Auditorium (09:00 - 11:00)

-Conveners: Alexander Westphal

time	[id] title	presenter
09:10	[89] Relaxing the cosmological constant	CREMINELLI, Paolo
09:50	[90] Cosmological Bounces and Wormholes from Vorticity	KAPLAN, David
10:30	[91] Light bosons and black hole super radiance	BARYAKHTAR, Masha

Plenary Session - Main Auditorium (11:30 - 13:00)

-Conveners: Mathias Garny

time	[id] title	presenter
11:40	[93] Modified Einstein Gravity	BAKER, Tessa
12:20	[94] Introduction to Bimetric Theory	SCHMIDT-MAY, Angris

Thursday 28 September 2017

Plenary Session - Main Auditorium (09:00 - 11:00)

-Conveners: Thomas Schwetz-Mangold

time	[id] title	presenter
09:10	[96] Cosmology beyond thermal equilibrium	CHLUBA, Jens
09:50	[97] Planck results and connection with particle physics	LESGOURGUES, Julien
10:30	[98] Future of CMB observations and potential implications for fundamental physics	FLAUGER, Raphael

Plenary Session - Main Auditorium (11:40 - 13:00)

-Conveners: Alejandro Ibarra

time	[id] title	presenter
11:40	[99] Particle cosmology	SERPICO, Pasquale
12:20	[100] Light dark sectors	BATELL, Brian

Friday 29 September 2017

Plenary Session - Main Auditorium (09:00 - 11:00)

-Conveners: Bruce Allen

time	[id] title	presenter
09:00	[101] Current experimental limits on gravity waves	CHRISTENSEN, Nelson
09:40	[103] Astrophysical sources of GWs and future prospects for their detection	MANDEL, Ilya
10:20	[106] EFT approach to gravitational radiation by astrophysical sources	PORTO, Rafael

Plenary Session - Main Auditorium (11:30 - 12:40)

-Conveners: Julien Lesgourgues; Geraldine Servant; Alexander Westphal

time	[id] title	presenter
11:30	[102] Cosmology with the LISA interferometer	CAPRINI, Chiara
12:05	[105] News ideas on inflation	HEBECKER, Arthur