

# CMB and Large-Scale Structure of the Universe

21-22 January 2019 – Nicola Vittorio's 65th birthday

## PRELIMINARY PROGRAM

21 January 2019

09:00 – 09:30	Giuseppe Novelli Pasquale Mazzotta	Welcome addresses
	<b>The Italian and European CMB perspectives</b> <b>Chair: TBD</b>	
09:30 – 09:55	Roberto Battiston	ASI/COSMOS
09:55 – 10:20	Reno Mandolesi	Planck
10:20 – 10:45	Paolo de Bernardis	LSPE/SWIPE
10:45 – 11:10	Marco Bersanelli	LSPE/STRP
11:10 – 11:45	<i>Coffee Break</i>	
	<b>Italian and European PhD programs</b> <b>Moderator: TBD</b>	
11:40 – 13:00	Francesco Profumo Raffaele Liberali Luigi Berlinguer Giuseppe Novelli	Round Table
13:00 – 14:00	<i>Lunch</i>	
14:00 – 14:30	<i>Tour of Villa Mondragone</i>	
	<b>The Italian and European CMB perspectives</b> <b>Chair: TBD</b>	
14:30 – 14:55	Masashi Hazumi	LiteBIRD
	<b>Cosmology with the LSS</b> <b>Chair: TBD</b>	
14:55 – 15:20	Pasquale Mazzotta	Clusters of galaxies
15:20 – 15:54	Avishai Dekel (TBC)	Galaxy Formation
15:45 – 16:15	<i>Coffee Break</i>	
16:15 – 16:40	Giuseppe Bono	The H0 problem
16:40 – 17:05	Carlo Baccigalupi	Cosmology with the LSS
17:05 – 17:30	Ofer Lahav	Cosmology with the LSS:DES
17:30 – 17:55	Roberto Scaramella	EUCLID
19:30	<i>Social Dinner</i>	

# CMB and Large-Scale Structure of the Universe

21-22 January 2019 – Nicola Vittorio's 65th birthday

## 22 January 2019

	<b>Dark Matter, Dark Energy and Modified Gravity</b> <b>Chair: TBD</b>	
09:05 – 09:30	Antonio Masiero	The Dark Side of the Universe and CMB explorations in the APPEC roadmap 2017-2026
09:30 – 09:55	Luca Amendola	Dark Energy
09:55 – 10:20	Alessandro Melchiorri	Neutrino Cosmology
10:20 – 10:45	Paolo Natoli	CMB and fundamental physics
10:45 – 11:10	Fabio Favata	ESA
11:10 – 11:40	<i>Coffee Break</i>	
	<b>PLS-Project (Piano Lauree Scientifiche, Scientific Degree Plan)</b> <b>Moderator: TBD</b>	
11:40 – 13:00	Enrico Predazzi Gabriele Anzellotti Ugo Cosentino Francesco Berrilli Daniele Livon (TBC)	Round Table
13:00 – 14:00	<i>Lunch</i>	
	<b>Dark Matter, Dark Energy and Modified Gravity</b> <b>Chair: TBD</b>	
14:00 – 14:25	Salvatore Capozziello	Modified Gravity
	<b>From Planck to Hubble times</b> <b>Chair: TBD</b>	
14:25 – 14:50	Rocky Kolb	Early Universe and Astroparticle
14:50 – 15:15	Augusto Sagnotti	The early universe as a probe of String Theory
15:15 – 15:45	<i>Coffee Break</i>	
15:45 – 16:10	Sabino Matarrese	Primordial non-Gaussianity
16:10 – 16:35	Mike Turner	Beyond Lambda-CDM
16:35 – 17:00	Rashid Sunyaev (TBC)	The Physics of the CMB spectral distortions
17:00 – 17:25	Joe Silk	Open problems in Cosmology
17:25	Nicola Vittorio	Conclusions