

AGENDA CMB-DAY 2

16-18 Oct 2023 - CEST times

Start	End	Main Session	Presenter	Duration (mn)
Day 1		Oct 16, 2023		
Introduction				
14:00:00	14h10	Welcome	ASI	10
14h10	14h40	The COSMOS Program	N. Vittorio	30
Scientific overview and justification for current and forthcoming CMB instrumentation				
14h40	15h00	Inflation	N. Bartolo	20
15h00	15h20	Features and anomalies in the primordial spectrum	M. Ballardini	20
15h20	15h40	Hints of new physics in the future of the CMB	D. Paoletti	20
15h40	16h00	Astroparticle and neutrino cosmology	M. Lattanzi	20
16h00	16h30	Coffee Break		30
16h30	17h00	Spectral distortions	J. Chluba	30
17h00	17h20	Cosmic birefringence	M. Lembo	20
17h20	17h40	Galactic science and foregrounds modeling	N. Krachmalnicoff	20
17h40	18h00	OLIMPO: future perspectives (next day session anticipation)	S. Masi	20
Day 2		Oct 17, 2023		
CMB instrumentation challenges from space				
09:00:00	09h30	Status of LiteBIRD	G. Signorelli	30
09h30	09h50	Status of Euclid and perspective of CMB cross	M. Migliaccio	20
09h50	10h10	Next generation optical systems for space application	G. Pisano	20
10h10	10h30	Polarization modulation for space application	F. Columbro	20
10h30	11h00	Coffee Break		30
11h00	11h20	KIDs for space applications	A. Paiella	20
11h20	11h40	TES's for space applications	F. Gatti	20
11h40	12h00	Readout systems for space application	A. Tartari	20

12h00	12h20	Testing particle impact on detectors.	S. Della Torre	20
CMB instrumentation challenges from balloons and ground				
12h20	12h40	Balloon launch opportunities	M. Albano	20
12h40	13h00	LSPE-SWIPE	L. Lamagna	20
13h00	13h20	LSPE-STRIP and ELFS	A. Mennella	20
13h20	14h40	Lunch		80
14h40	15h00	Spectral distortion measurements	P. de Bernardis	20
15h00	15h20	QUBIC	G. D'Alessandro	20
15h20	15h40	Mistral at SRT	E. Battistelli	20
15h40	16h00	ACT / SO	F. Nati	20
16h00	16h30	Coffee Break		30
16h30	17h00	CMB-S4	J. McMahon	30
17h00	17h20	CMB observations Synergies	M. Gerbino	20
17h20	18h20	Panel discussion on the future of CMB observations	J. McMahon, B. Negri, M. Pallavicini, F. Piacentini, N. Vittorio (chair)	60
Day 3			Oct 18, 2923	
Data analysis challenges				
09:30:00	09h50	Big data and computational challenges in Italy	G. Puglisi	20
09h50	10h10	Component separation methods	A. Carones	20
10h10	10h30	Instrument modeling	M. Tomasi	20
10h30	10h50	Community expertise in Science Ground Segments: Planck, Euclid and beyond	A. Zacchei	20
10h50	11h20	JAXA's science ground segments for data processing and archives	K. Ebisawa	30
11h20	11h50	Coffee Break		30
11h50	12h50	Panel discussion on CMB analysis	K. Ebisawa, M. Gerbino, P. Natoli (chair), G. Polenta, M. Tomasi, A. Zacchei	60
12h50	14h00	Lunch		70