

Cosmo Cruise 2015

September 2 - 9, 2015

	THURSDAY SEPT 03	FRIDAY SEPT 04	SATURDAY SEPT 05	SUNDAY SEPT 06	MONDAY SEPT 07	TUESDAY SEPT 08
BEGIN - END	7:45 AM - 11:00 AM	7:45 AM - 11:00 AM	7:45 AM - 11:00 AM	7:45 AM - 10:00 AM	7:45 AM - 10:30 AM	9:00 AM - 11:00 AM
LOCATION	THEATRE	BLACK & WHITE	BLACK & WHITE	BLACK & WHITE	BLACK & WHITE	SKY & STARS
CHAIR	<i>G. De Zotti</i>	<i>A. Albrecht</i>	<i>D. Scott</i>	<i>J. Gaskins</i>	<i>K. Dolag</i>	
MORNING SESSION	<p>7:45 AM Welcome Presentation <i>J. M. Diego</i></p> <p>8:00 AM RESULTS FROM THE PLANCK MISSION <i>N. Mandolesi</i></p> <p>8:55 AM CMB Lensing Results from ACTPol Temperature and Polarization Data <i>N. Sehgal</i></p> <p>9:20 PM ON CMB MONOPOLES AND DIPOLES <i>D. Scott</i></p> <p>10:15 AM Topology of the Universe from Planck CMB Data <i>D. Pogosian</i></p> <p style="text-align: center;">* * *</p> <p>11:00 AM Speed Networking (LOCATION: TBD)</p>	<p>7:45 AM PRESENT STATUS OF INFLATION AND FUTURE PERSPECTIVES <i>A. Starobinsky</i></p> <p>8:40 AM Reheating Predictions in Single Field Inflation <i>J. Cook</i></p> <p>9:05 AM INFLATION AFTER PLANCK 2014 <i>M. Bucher</i></p> <p>10:00 AM Role of Nonlinear Electromagnetic Field in Inflationary Magnetogenesis <i>R. Koley</i></p> <p>10:25 AM Emptiness of the Universe as a Cause of Inflation and Dark Energy <i>L. Marochnik</i></p>	<p>7:45 AM COSMOLOGICAL PARAMETERS WITH PLANCK <i>M. Migliaccio</i></p> <p>8:40 AM Constraining Primordial Magnetic Fields with CMB Anisotropies <i>D. Paoletti</i></p> <p>9:30 AM Constraints on Dark Radiation from Cosmological Probes <i>G. Rossi</i></p> <p>9:55 AM Is Dark Energy Phantom-like? What do the Recent Observations Tell Us? <i>S. Pal</i></p> <p>10:20 AM Does the Universe Behaves as a Normal Thermodynamic System? <i>D. Pavòn</i></p>	<p>7:45 AM DARK MATTER SEARCHES <i>G. Bertone</i></p> <p>8:40 AM New Avenues to Detect Sub-GeV Dark Matter <i>R. Essig</i></p> <p>9:05 AM Signals of Asymmetric Dark Matter from Galactic Center Pulsar Implosions <i>J. Bramante</i></p> <p>9:30 AM Dark Matter Properties and the CMB <i>M. Kopp</i></p>	<p>7:45 AM THE INTERSTELLAR MEDIUM OF GALAXIES IN SIMULATIONS: PREDICTIONS FOR FUTURE TELESCOPES (ALMA; SKA) <i>C. Lagos</i></p> <p>8:40 AM Compact Structures of Extragalactic Radio Sources in the Cosmological Context <i>L. Gurvits</i></p> <p>9:05 AM Detection of the Missing Baryons with Kinetic and Thermal SZ Effect <i>Y. Z. Ma</i></p> <p>9:30 AM Gamma-Ray Bursts and Cosmology <i>R. Preece</i></p> <p>9:55 AM CHIME: Status Report and Forecasts <i>K. Smith</i></p>	<p>9:00 AM ROUND TABLE 1 <i>Future of Cosmology</i></p> <p>10:00 AM ROUND TABLE 2 <i>The Dark Sector</i></p>
	SESSION BREAK <i>All Day at Sea</i> 11:00 AM - 3:00 PM	SESSION BREAK <i>Naples</i> 11:00 AM - 4:15 PM	SESSION BREAK <i>Civitavecchia</i> 11:00 AM - 5:30 PM	SESSION BREAK <i>La Spezia / Vernazza</i> 10:00 AM - 5:30 PM	SESSION BREAK <i>Cannes</i> 10:30 AM - 4:00 PM	SESSION BREAK <i>Palma de Mallorca</i> 11:00 AM - 4:00 PM

	THURSDAY SEPT 03	FRIDAY SEPT 04	SATURDAY SEPT 05	SUNDAY SEPT 06	MONDAY SEPT 07	TUESDAY SEPT 08	
BEGIN - END	3:00 PM - 5:30 PM	4:15 PM - 7:00 PM	5:30 PM - 7:00 PM	5:30 PM - 7:00 PM	4:00 PM - 7:00 PM	4:00 PM - 7:00 PM	
LOCATION	BLACK & WHITE	BLACK & WHITE	BLACK & WHITE	BLACK & WHITE	BLACK & WHITE	BLACK & WHITE	
CHAIR	<i>A. Refregier</i>	<i>N. Sehgal</i>	<i>J. Merten</i>	<i>G. Bertone</i>	<i>C. Lagos</i>	<i>J. Kovac</i>	
AFTERNOON SESSION	<p>3:00 PM B-MODE MEASUREMENTS FROM THE SOUTH POLE <i>J. Kovac</i></p> <p>3:55 PM Non-gaussian Imprints of Primordial Magnetic Fields from Inflation <i>R. K. Jain</i></p> <p>4:20 PM Higher Order Momentum Analysis as a Powerful Test of the Planck CMB Maps <i>D. Molinari</i></p>	<p>4:15 PM WEAK LENSING <i>A. Refregier</i></p> <p>5:10 PM Weighted Randoms for Multi-epoch Surveys: Application to CFHTLenS and KiDS <i>C. Morrison</i></p> <p>5:35 PM The Concentration-Mass Relation from CLASH <i>J. Merten</i></p> <p>6:00 PM Cluster Cosmology and Growth Probes with High-Resolution CMB Experiments <i>M. Madhavacheril</i></p> <p>6:25 PM Observational Evidences for Existence of the Magnetic Monopole and its Significance <i>Q. Peng</i></p>	<p>5:30 PM INFLATION, TUNING AND MEASURES <i>A. Albrecht</i></p> <p>6:25 PM Inflation with Entanglement Between Scalar and Tensor Modes <i>N. Bolis</i></p>	<p>5:30 PM HIGH-ENERGY ASTROPARTICLES AND DARK MATTER <i>J. Gaskins</i></p> <p>6:25 PM Dark Matter in the Hubble Frontier Fields Clusters <i>J. M. Diego</i></p>	<p>4:00 PM GALAXY-AGN CO-EVOLUTION: A PHYSICAL APPROACH <i>G. De Zotti</i></p> <p>4:55 PM The Magneticum Simulations <i>K. Dolag</i></p> <p>5:20 PM Large Scale Structure Formation with the Schroedinger Method <i>C. Uhleman</i></p> <p>5:45 PM Cosmology with Combining Power Spectra and Bispectra <i>Y. Song</i></p> <p>6:10 PM Surprise Talk <i>TBD</i></p>	<p>4:00 PM BEYOND THE COSMOLOGICAL STANDARD MODEL <i>A. Joyce</i></p> <p>4:55 PM On the Phenomenology of Extended Brans-Dicke Gravity <i>N. Lima</i></p> <p>5:20 PM Exploring Cosmic Rays by Balloon, Satellite and Space Station Experiments <i>P. Picozza</i></p> <p>5:50 PM Holography for a Non-Inflationary Early Universe <i>K. Hinterbichler</i></p> <p>6:15 PM Superluminalities in EFT <i>G. Goon</i></p>	
	7 PM	DINNER (Buffet and Designated Restaurant)					



DAILY CRUISE STOPS AND DOCKING SCHEDULE

DAY	THURSDAY SEPT 03	FRIDAY SEPT 04	SATURDAY SEPT 05	SUNDAY SEPT 06	MONDAY SEPT 07	TUESDAY SEPT 08
DOCKING	ALL DAY AT SEA	8:00 AM - 7:00 PM	7:00 AM - 7:00 PM	8:00 AM - 2:00 AM (Sept 7)	10:30 AM - 7:00 PM	2:00 PM - 12:30 AM (Midnight)
PLACE	MEDITERRANEAN SEA	NAPLES	CIVITAVECCHIA	LA SPEZIA	CANNES	PALMA DE MALLORCA

☀ **INVITED TALKS: 50 + 3 | REGULAR TALKS: 20 + 3**

☀ **MSC WELCOME TALK: SEPTEMBER 2 at 3:15 PM in the BLACK & WHITE**