



# ICHEP 2014

## Thursday 03 July 2014

### Astroparticle Physics and Cosmology - Auditorium 3A (11:00-13:30)

-Conveners: Esteban Roulet

time	[id] title	presenter
11:00	[920] First Results from POLARBEAR CMB Polarization Experiment	NISHINO, Haruki
11:24	[750] Dark energy, QCD axion, BICEP2, and trans-Planckian decay constant	Prof. KIM, Jihn E.
11:42	[824] $\nu$ AMDM: A Model for Sterile Neutrino and Dark Matter Reconciles Cosmological and Neutrino Oscillation Data after BICEP2	KO, Pyungwon
12:00	[948] Transplanckian masses in inflation	Prof. BARENBOIM, Gabriela
12:36	[35] Strong thermal leptogenesis and the $N_2$ -dominated scenario	Mr. RE FIORENTIN, Michele
12:54	[400] Baryogenesis from dark matter annihilation	Dr. RACKER, Jean
13:12	[149] Flavour Covariant Formalism for Resonant Leptogenesis	Dr. DEV, P. S. Bhupal

### Astroparticle Physics and Cosmology - Auditorium 3A (15:00-17:33)

-Conveners: Esteban Roulet

time	[id] title	presenter
15:00	[321] The Dark Energy Survey	Dr. SANCHEZ, Eusebio
15:24	[843] Constraints on the dark matter interaction sector via extra radiation contributions	Dr. LINEROS, Roberto
15:42	[471] The Dark Matter Self-Interaction and Its Impact on the Critical Mass for Dark Matter Evaporations Inside the Sun	Mr. LIN, Yen-Hsun
16:00	[73] Precision predictions for supersymmetric dark matter	Prof. KLASSEN, Michael
16:18	[755] Halo-Independent analysis of direct dark matter detection data for any WIMP interaction	Prof. GELMINI, Graciela
16:36	[905] Sommerfeld enhancements and relic abundance of neutralino dark matter in the general MSSM	Dr. RUIZ-FEMENIA, Pedro
16:54	[808] Nuclear Form Factors for Direct Dark Matter Detection	Dr. ORRIGO, Sonja
17:12	[842] Dark Matter in scalar extensions of the Standard Model	Dr. SOKOLOWSKA, Dorota

# Friday 04 July 2014

## Astroparticle Physics and Cosmology - Auditorium 3A (09:00-11:00)

-Conveners: Graciela Gelmini

time	[id] title	presenter
09:00	[339] Results of the LUX Dark Matter Experiment	CARMONA, Carmen
09:19	[770] Low-threshold WIMP search at SuperCDMS	Dr. LOPEZ ASAMAR, Elias
09:38	[677] CDMSlite: a New Way to Search for Low-Mass WIMPS with Cyogenic Detectors	Mr. RICCI, Yohan
09:57	[660] The XENON Dark Matter Project: from XENON100 to XENON1T	Dr. ALFONSI, Matteo
10:16	[364] Recent results from DAMA/LIBRA-phase1 and perspectives	Dr. CERULLI, Riccardo
10:35	[1055] Status of CoGeNT and C-4, and progress towards PICO-250I, a large bubble chamber for dark matter detection	Prof. COLLAR, Juan

## Astroparticle Physics and Cosmology - Auditorium 3A (11:30-13:30)

-Conveners: Juande Zornoza

time	[id] title	presenter
11:30	[949] A first walk on the DarkSide	Dr. DAVINI, Stefano
11:48	[315] The status of KIMS-Nal experiment	Prof. LEE, Hyun Su
12:06	[29] Low-Mass Dark Matter Searches with Sub-keV Germanium Detectors	Dr. SOMA, ARUN KUMAR
12:24	[486] Direct Dark Matter Search with XMASS	Dr. KOBAYASHI, Kazuyoshi
12:42	[446] DEAP-3600 Dark Matter Search at SNOLAB	Dr. KUZNIAK, Marcin
13:00	[717] Direct Dark Matter Searches: Status and Implications	Prof. GONDOLO, Paolo

## Astroparticle Physics and Cosmology - Auditorium 3A (15:00-17:30)

-Conveners: Graciela Gelmini

time	[id] title	presenter
15:00	[123] The Characterization of the Gamma-Ray Signal from the Central Milky Way: A Compelling Case for Annihilating Dark Matter	Dr. LINDEN, Tim
15:20	[504] Dark Matter Indirect Detection phenomenology: a status assessment	Mr. CIRELLI, Marco
15:50	[688] Constraints on dark matter and future observational strategies with gamma-ray space experiments	Dr. MORSELLI, Aldo
16:10	[310] First Results from the HAWC Gamma-Ray Observatory	Dr. SALESA GREUS, Francisco
16:30	[396] Overview of MAGIC results	Dr. RICO, Javier
16:50	[525] Recent Highlights from VERITAS	Prof. MUKHERJEE, Reshmi
17:10	[794] Physics with the Cherenkov Telescope Array	Prof. GREENSHAW, Tim

# Saturday 05 July 2014

## Astroparticle Physics and Cosmology - Auditorium 3A (09:00-11:00)

-Conveners: **Juande Zornoza**

time	[id] title	presenter
09:00	[344] Status of the early construction phase of the BAIKAL-GVD	Dr. SHAYBONOV, Bair
09:18	[888] Recent Results of the ANTARES Neutrino Telescope	Dr. DE BONIS, Giulia
09:35	[665] Dark Matter Searches with ANTARES Neutrino Telescope	ARDID, Miguel
09:48	[774] Status and physics goals of KM3NeT	Dr. PIATTELLI, Paolo
10:06	[475] Status of GADZOOKS!: Neutron Tagging in Super-Kamiokande	Mr. FERNÁNDEZ, Pablo
10:24	[786] Measurement of the TeV atmospheric muon charge ratio with the full OPERA data set	Dr. MAURI, Nicoletta
10:42	[933] On the flavor composition of the high-energy neutrino events in IceCube	Dr. PALOMARES-RUIZ, Sergio

## Astroparticle Physics and Cosmology - Auditorium 3A (11:30-13:30)

-Conveners: **Juande Zornoza**

time	[id] title	presenter
11:30	[881] Astrophysical Neutrinos with the IceCube Detector	KIRYLUK, Joanna
11:54	[813] Atmospheric neutrinos at high energy	GAISSER, Thomas
12:18	[754] Radio Arrays for Detecting Ultra-high Energy Cosmic Neutrinos	BECHTOL, Keith
12:42	[807] Acoustic Detection of Neutrinos: Review and Future Potential	Dr. LAHMANN, Robert
13:06	[997] Review on gravitational wave detectors	Prof. SINTES, Alicia

## Astroparticle Physics and Cosmology - Auditorium 3A (15:00-17:48)

-Conveners: **Graciela Gelmini**

time	[id] title	presenter
15:00	[934] Results from the Telescope Array Experiment	Prof. JUI, Charles
15:25	[323] Latest results from the Pierre Auger Observatory	Prof. MIGUEL, Mostafa
15:50	[956] Resummed Quantum Gravity Prediction for the Cosmological Constant and Constraints on SUSY GUTS	Prof. WARD, Bennie
16:08	[234] Anisotropies of ultra-high energy cosmic rays diffusing from extragalactic sources	Dr. MOLLERACH, Silvia
16:27	[182] The high energy cosmic ray particle spectra measurements with the PAMELA calorimeter	Dr. KARELIN, Alexander
16:46	[673] AMS-02 measurement of cosmic ray positrons and electrons	Mr. VAGELLI, Valerio Dr. WENG, Zhili
17:10	[23] Axion helioscopes update: the status of CAST & IAXO	Dr. DAFNI, Theopisti