

ICHEP 2024

Thursday 18 July 2024

Astro-particle Physics and Cosmology: Astro-particle Physics and Cosmology - South Hall 2B (08:30 - 10:15)

-Conveners: Adriano Di Giovanni

time	[id] title	presenter
08:30	[1046] Light signal study of cosmic rays in the ICARUS detector	CICERCHIA, Magda
08:50	[644] Pacific Ocean Neutrino Experiment: Towards the first detector lines	HENNINGSEN, Felix
09:05	[1373] The Radio Neutrino Observatory in Greenland: Status and Perspectives	WINDISCHHOFER, Philipp
09:20	[43] Development and Design of New Detector of Unusual Cosmic-ray cascades	BEZNOSKO, Dmitriy
09:35	[1398] Towards detection of ultra high energy neutrinos at the South Pole: Askaryan Radio Array experiment latest results and future prospects"	KRAVCHENKO, Ilya
09:50	[634] Thermal effects in neutrino dark matter freeze-in production	ROSAURO-ALCARAZ, Salvador

Astro-particle Physics and Cosmology: Astro-particle Physics and Cosmology - South Hall 2B (10:45 - 12:30)

-Conveners: Denise Boncioli

time	[id] title	presenter
10:45	[894] The HERD experiment: beyond the current energy limits in direct detection of cosmic rays	Dr BETTI, Pietro
11:05	[1173] Design and Performance of MiniFIT, the small-scale version of the HERD particle tracker	Dr PERRINA, Chiara
11:20	[635] Measurement of inelastic hadronic cross sections in space with DAMPE	COPPIN, Paul
11:40	[1293] New results obtained from CALET observations after 8 years of data collection on the International Space Station	Dr GONZI, Sandro
12:00	[917] Astronomical X-ray Polarimetry as a diagnostic for questions of fundamental Physics. What we learned from the Imaging X-Ray Polarimetry Explorer (IXPE)..	Dr SOFFITTA, Paolo

Astro-particle Physics and Cosmology: Astro-particle Physics and Cosmology - South Hall 2B (16:45 - 18:30)

-Conveners: Pietro Betti

time	[id] title	presenter
16:45	[327] The LIGO-VIRGO-KAGRA Observing Run 4 (May 2023 – January 2025)	Dr ARNAUD, Nicolas
17:05	[752] Data Quality and Event Validation in LIGO-Virgo-KAGRA Fourth Joint Observational Campaign	DI RENZO, Francesco
17:25	[933] High Frequency Gravitational Wave Detection with SRF Cavities	KROKOTSCH, Tom
17:40	[932] The Euclid mission: scientific forecast, overview and status	PADILLA ARANDA, Cristobal
18:00	[936] Status and prospects of the LHCf experiment	PIPARO, Giuseppe

Friday 19 July 2024

Astro-particle Physics and Cosmology: Astro-particle Physics and Cosmology - South Hall 2B (08:30 - 10:15)

-Conveners: Roman Pasechnik

time	[id] title	presenter
08:30	[668] Cosmic Anti-Protons and Properties of Elementary Particle Fluxes	ZHANG, Cheng
08:50	[715] Origin of Cosmic Positrons and Electrons in the TeV Region	KOUNINE, Andrei
09:05	[709] Determination of Anisotropy of Elementary Particles	MOLERO GONZALEZ, Miguel
09:20	[703] Unique Properties of Twelve Years Positron and Electron Spectra measured by AMS	CASAUS, Jorge
09:35	[1078] Development of a innovative electron-positron discrimination technique for space application: the EPSI project.	BERTI, Eugenio
09:50	[740] Study of antihelium production with LHCb	MOISE, Razvan-Daniel

Astro-particle Physics and Cosmology: Astro-particle Physics and Cosmology - South Hall 2B (10:45 - 12:30)

-Conveners: Eugenio Berti

time	[id] title	presenter
10:45	[1444] The status of the KM3NeT neutrino telescope	COYLE, Paschal Anthony
11:05	[651] Latest multi-messenger results of the KM3NeT real-time analysis framework	PALACIOSGONZALEZ, Juan
11:25	[985] A joint search for neutrino point-like sources and diffuse flux using KM3NeT/ARCA and ANTARES data	Dr KULIKOVSKIY, Vladimir
11:40	[426] Recent results on the origin of cosmic neutrinos detected by IceCube	Dr SCHUMACHER, Lisa
12:00	[1180] Searching for signatures of Pseudo-Dirac neutrinos in IceCube data from Astrophysical sources	Dr DIXIT, Khushboo

Astro-particle Physics and Cosmology: Astro-particle Physics and Cosmology - South Hall 2B (14:30 - 16:15)

-Conveners: Peter Athron

time	[id] title	presenter
14:45	[1200] Troubles mounting for multipolar dark matter	Mr BOSE, Debajit
15:00	[1353] Dark matter and reheating via dark glueballs	KOLEŠOVÁ, Helena
15:15	[1387] Melting Domain Walls, NANOGrav Gravitational Waves and Dark Matter	VIKMAN, Alexander
15:30	[612] Post-Reheating Inflaton-Mediated Dark and Visible Matter Scatterings: A Cosmological Perspective	Mr GOPE, Sourav
15:45	[1318] Gravitational waves from composite dark sectors	PASECHNIK, Roman

Astro-particle Physics and Cosmology: Astro-particle Physics and Cosmology - South Hall 2B (16:45 - 18:30)

-Conveners: Alexander Vikman

time	[id] title	presenter
16:45	[49] Gravitational waves from first order cosmological phase transitions	ATHRON, Peter

17:00	[136] Gravitational waves from cosmic superstrings and gauge strings	MARFATIA, Danny
17:15	[190] Quantum Gravity Effects on Dark Matter and Gravitational Waves	WANG, Xin
17:30	[1216] Gravitational waves from first-order phase transitions: Approaching reliable predictions	Dr EKSTEDT, Andreas
17:45	[820] Supermassive black holes from PeVatrons to ZeVatrons	TURSUNOV, Arman
18:00	[1102] LArRI: a new setup for Liquid Argon Refractive index measurement	CAMPANI, Alice

Saturday 20 July 2024

Astro-particle Physics and Cosmology: Astro-particle Physics and Cosmology - South Hall 2B (08:30 - 10:15)

-Conveners: Denise Boncioli

time	[id] title	presenter
08:30	[809] The Pierre Auger Observatory: Latest results and prospects for the future	Dr YUSHKOV, Alexey
08:50	[811] Mass composition of ultra-high-energy cosmic rays: latest results from the Pierre Auger Observatory	FITOUSSI, Thomas
09:10	[810] Probing hadronic interactions using the latest data from the Pierre Auger Observatory	Dr VICHA, Jakub
09:25	[587] Status of the ALPACA air shower array to explore sub-PeV gamma-ray sky in the southern hemisphere	SAKO, Takashi
09:40	[597] Ultra-high-energy cosmic ray detection using next-generation prototypes of the Fluorescence detector Array of Single-pixel Telescopes (FAST) in both hemispheres	Mr HAMAL, Petr
09:55	[1201] Ultra-high energy cosmic ray propagation in a structured Universe	Mr ROSSONI, Simone

Astro-particle Physics and Cosmology: Astro-particle Physics and Cosmology - South Hall 2B (10:45 - 12:30)

-Conveners: Alexey Yushkov

time	[id] title	presenter
10:45	[704] Unique Properties of Primary Cosmic Rays Measured by the Alpha Magnetic Spectrometer	YAN, Qi
11:00	[677] Properties of Cosmic Deuterons Measured by the Alpha Magnetic Spectrometer	DELGADO MENDEZ, Carlos
11:15	[695] Properties of Secondary Cosmic Rays: Results from the Alpha Magnetic Spectrometer	OCAMPO PELETEIRO, Jose
11:30	[647] Unique Properties of Light Nuclei Time Variation up to 60 GV Measured by the Alpha Magnetic Spectrometer	FORMATO, Valerio
11:45	[672] Unique Features of Twelve Years Anti-Proton Spectrum measured by AMS	Dr LU, Senquan
12:00	[628] The Scientific Payload of the NUSES space mission	DI GIOVANNI, Adriano
12:15	[1329] Dark population transfer mechanism for sterile neutrino dark matter	GRAF, Lukas

Astro-particle Physics and Cosmology - South Hall 2B (14:30 - 16:15)

-Conveners: Luca Latronico

time	[id] title	presenter
14:30	[571] Probing dark matter models with DarkPACK: present state and future developments	PALMIOTTO, Marco
14:45	[1003] The gravitational wave and radio signals of ultralight dark matter	Prof. HUANG, Fa Peng
15:00	[294] Imprints of dark stars in the 21-cm signal	BETANCOURT KAMENETSKAIA, Boris
15:15	[91] Bounds on monopole abundance from acceleration in cosmic magnetic fields	PERRI, Daniele

Astro-particle Physics and Cosmology: Astro-particle Physics and Cosmology - South Hall 2B (16:45 - 18:30)**-Conveners: Eva Santos**

time	[id] title	presenter
16:45	[899] Positron generation and transmutation of high-Z targets by high-intensity lasers	PICKRELL, Mark
17:00	[1056] Reconstruction of cosmological initial conditions with sequential simulation-based inference	SAVCHENKO, Oleg
17:15	[1262] Implications of a new SU(2) flavour group in early-universe phase transitions	CHRYSTOMOU, Anna
17:30	[1342] Inflation and Higgs Phenomenology in a Model Unifying the DFSZ Axion with the Majoron	MOORTGAT-PICK, gudrid
17:45	[1300] Diagrams and constraints for matter-antimatter asymmetry generation in the early universe	Dr MATAK, Peter