

ICHEP 2022

giovedì 7 luglio 2022

Astroparticle Physics and Cosmology - Room 8 (Blu) (09:00 - 10:45)

-Coordinatori: Fabio Finelli

time	[id] title	presenter
09:00	[568] Tachyonic preheating and its observational signatures	TOMBERG, Eemeli
09:15	[1168] Ending inflation with a bang: Higgs vacuum decay in R^2 gravity	MANTZIRIS, Andreas
09:30	[1307] Phase transitions: A source of cosmic-frontier phenomenology	CAMARGO-MOLINA, Eliel
09:45	[273] Bubble wall dynamics at the electroweak phase transition	GUIGGIANI, Andrea
10:00	[666] Fate of electroweak symmetry in the early Universe: Non-restoration and trapped vacua in extended Higgs sectors	BIEKOETTER, Thomas
10:15	[158] Leptogenesis from U(1) flavor symmetry	MARCIANO, Simone
10:30	[56] Slow-roll inflation in Palatini F(R) gravity	Dr. RACIOPPI, Antonio

Astroparticle Physics and Cosmology - Room 8 (Blu) (11:15 - 13:00)

-Coordinatori: Fabio Finelli; Guenter Sigl

time	[id] title	presenter
11:15	[419] The LiteBIRD mission	PAOLETTI, Daniela
11:30	[1266] Redshift evolution of cosmic birefringence in CMB anisotropies	GALAVERNI, Matteo
11:45	[1223] Cosmic Birefringence: Cross-Spectra and Cross-Bispectra with CMB Anisotropies	GRECO, Alessandro
12:00	[852] DarkHistory NN: Computing early universe exotic energy injection imprints with Neural Network	SUN, Yitian
12:15	[1199] Relativistic Relics from the Primordial Bath: QCD Axion	HAJKARIM, Fazlollah

Astroparticle Physics and Cosmology - Room 8 (Blu) (14:30 - 16:30)

-Coordinatori: Mercedes Paniccia; Sadakazu Haino

time	[id] title	presenter
14:30	[1096] Gravitational-wave event validation by Advanced LIGO and Advanced Virgo detectors. Procedures and challenges for the upcoming observing runs	DI RENZO, Francesco
14:45	[118] Impacts of the external environment on the Virgo detector during the third Observing Run (O3: April 2019 – March 2020)	ARNAUD, Nicolas
15:00	[1376] Revealing the Cosmic History with Gravitational Waves	TAMARIT, Carlos
15:15	[1213] Very Special Linear Gravity: A Gauge Invariant Graviton Mass	SANTONI, Alessandro
15:30	[1267] Gravitational-wave cosmology with dark sirens: state of the art and perspectives for 3G detectors	MANCARELLA, Michele
15:45	[1275] Astrometry for Gravitational-Wave Detection in the 10 nHz– μ Hz Band	Dr. FEDDERKE, Michael A.

Astroparticle Physics and Cosmology - Room 8 (Blu) (17:00 - 19:15)**-Coordinatori: Elisa Bernardini; Guenter Sigl**

time	[id] title	presenter
17:00	[800] Unique Properties of Primary Cosmic Rays: Results from the Alpha Magnetic Spectrometer	YAN, Qi
17:15	[798] Unique Properties of Secondary Cosmic Rays: Results from the Alpha Magnetic Spectrometer	OLIVA, Alberto
17:30	[580] Unique Properties of the 3rd Group of Cosmic Rays: Results from the Alpha Magnetic Spectrometer	CHEN, Yao
17:45	[530] Properties of Cosmic Deuteron and ^3He	DELGADO, Carlos
18:00	[479] Properties of Cosmic Beryllium Isotopes	WEI, Jiahui
18:15	[918] Anisotropy of Protons and Light Primary Nuclei in Cosmic Rays Measured with the Alpha Magnetic Spectrometer on the ISS	MOLERO GONZALEZ, Miguel
18:30	[732] Unique Properties of Daily Proton Fluxes up to 100 GV	CONSOLANDI, cristina
18:45	[738] Precision Measurement of low energy positron fluxes by AMS	GÁMEZ LÓPEZ, Carmen
19:00	[150] Spectra of Cosmic Ray Fluorine, Sodium and Aluminum and the Hints of Low-energy Excesses	MASI, Nicolò

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Astroparticle Physics and Cosmology - Room 8 (Blu) (09:00 - 10:45)

-Coordinatori: Mercedes Paniccia

time	[id] title	presenter
09:00	[1226] LHCf Run II physics results in proton-proton collisions at $\sqrt{s} = 13$ TeV	Dr. TIBERIO, Alessio
09:15	[978] Exploring dark sector parameters in light of neutron star temperatures	Prof. LIN, Guey-Lin
09:30	[1205] Electroweak phase transition with scalar portal to Majorana fermion dark matter	BIONDINI, Simone
09:45	[51] Dark sector freeze-out due to a non-Boltzmann suppression.	GANGULY, Sougata
10:00	[380] Boson stars, primary photons and phase transition	Dr. KOZLOV, Gennady
10:15	[432] Constraints on dark matter self-interaction from the galactic core sizes.	SARKAR, Sambo
10:30	[54] First results of DOSUE-RR experiment - the most stringent constraint for dark photon CDM at the mass range of $74\text{--}110 \mu\text{eV}$	ADACHI, Shunsuke

Astroparticle Physics and Cosmology: Joint session with Dark Matter - Room 11 (Magenta A) (11:15 - 13:00)

-Coordinatori: Marco Selvi; Guenter Sigl

time	[id] title	presenter
11:15	[1237] Astrophysical Searches of Ultralight Particles	PODDAR, Tanmay Kumar
11:35	[1052] Flavor Violating Axions in the Early Universe	YUN, Seokhoon
11:50	[1149] Status update of the axion helioscope BabyIAXO	MARGALEJO BLASCO, Cristina
12:05	[600] Search for QCD axion dark matter around $24.5 \mu\text{eV}$ using an 8-cell microwave resonant cavity haloscope and a flux-driven Josephson Parametric Amplifier	KUTLU, Çağlar
12:20	[473] Strategies for high mass axion searches at IBS-CAPP	Dr. JEONG, Junu
12:30	[946] Overview of BREAD: Broadband Reflector Experiment for Axion Detection	LIU, Jesse
12:45	[1069] MADMAX - Towards a Dielectric Axion Haloscope	LEE, Chang

sabato 9 luglio 2022

Astroparticle Physics and Cosmology - Room 8 (Blu) (09:00 - 10:45)

-Coordinatori: Elisa Bernardini

time	[id] title	presenter
09:00	[68] Cosmological radiation density with non-standard neutrino physics	PASTOR, Sergio
09:15	[971] Searching for dark radiation at the LHC	MORANDINI, Alessandro
09:30	[1381] Strong interactions in Cosmology: strong CP problem, neutrino mass, Dark Matter, Dark Energy and gravitational radiowaves	PASECHNIK, Roman
09:45	[1193] Highlights from the ANTARES neutrino telescope	SPURIO, Maurizio
10:00	[1284] Neutrinos from core-collapse supernovae at KM3NeT	Dr. GOOS, Isabel
10:15	[374] Recent results from the Baikal-GVD neutrino telescope	ZABOROV, Dmitry
10:30	[1103] Probing hadronic interactions using the latest data measured by the Pierre Auger Observatory	TRIMARELLI, Caterina

Astroparticle Physics and Cosmology - Room 8 (Blu) (11:15 - 13:00)

-Coordinatori: Fabio Finelli; Elisa Bernardini

time	[id] title	presenter
11:15	[638] The Euclid Mission	TROJA, Antonino
11:30	[639] Euclid: performance on main cosmological parameter science	TUTUSAUS, Isaac
11:45	[640] Euclid Legacy Science prospects	SORCE, Jenny
12:00	[1129] Baryon Acoustic Oscillations: difficulties, assumptions and a new promising cosmological standard ruler for the Euclid galaxy survey	ANSELMI, Stefano
12:15	[1206] Multi-messenger studies with DESI	Dr. PALMESE, Antonella
12:30	[62] Looking for dilaton fields in the Ly-alpha forest	HAMAIDE, Louis

Astroparticle Physics and Cosmology - Room 8 (Blu) (14:30 - 16:30)

-Coordinatori: Fabio Finelli; Chiara Caprini

time	[id] title	presenter
14:30	[1393] Early Universe Cosmology with LISA	RICCIARDONE, Angelo
14:45	[1258] Cosmology with massive black hole binary mergers in the LISA era.	MANGIAGLI, Alberto
15:00	[1230] Searching for primordial features with LISA	FUMAGALLI, Jacopo
15:15	[1342] Novel Manifestations of Primordial Black Holes	TAKHISTOV, Volodymyr TAKHISTOV, Volodymyr
15:30	[53] Signature from Primordial Black Hole evaporation	CALABRESE, Roberta
15:45	[96] Gravitational waves propagation as a probe of new fundamental physics	HAEGEL, Leïla

Astroparticle Physics and Cosmology - Room 8 (Blu) (17:00 - 19:00)

-Coordinatori: Mercedes Paniccia

time	[id] title	presenter
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17:00	[343] Multi-Messenger astrophysics with the Pierre Auger Observatory	MASTRODICASA, Massimo
17:15	[1010] The Pierre Auger Observatory: latest results and future perspectives	SANCHEZ, Federico
17:30	[588] ALPACA experiment: A new air shower array to explore the sub-PeV gamma-ray sky in the southern hemisphere	SAKO, Takashi
17:45	[609] Latest results from DAMPE	STOLPOVSKIY, Mikhail
18:00	[260] CALET on the International Space Station: new direct measurements of cosmic-ray iron and nickel	Dr. STOLZI, Francesco
18:15	[1232] The High Energy Cosmic-Radiation Detection (HERD) facility for direct cosmic-ray measurements.	MORI, Nicola
18:30	[339] Recent results on gamma-ray observation by the Tibet ASgamma experiment	TAKITA, Masato