

ICHEP 2020

Tuesday, July 28, 2020

Astro-particle Physics and Cosmology: Session I - Premiere (3:30 PM - 9:25 PM)

-Conveners: Constantinos Skordis

time	[id] title	presenter
3:30 PM	M043] Dark matter Annihilation in Most Luminous and the Most Massive Ultracompact Dwarf Galaxies (UCD)	Prof. ELAINE, Fortes
3:55 PM	M074] Heat Engine for Black Holes in Presence of Cyclic Thermodynamics Behavior	Dr MAKSUWAN, Atirat
4:20 PM	M044] Production of Thermal Axions across the ElectroWeak Phase Transition	ARIAS ARAGÓN, Fernando
4:45 PM	Coffee break	
5:15 PM	M005] Generation of magnetic fields in cosmic string wakes	SAU, Sovan
5:40 PM	M011] On the Abraham-Minkowski controversy: Can the time delay of the gamma-ray bursts travelling through interstellar space be explained without invoking the Lorentz-invariance violation?	Prof. CHAICHIAN, Masud
6:05 PM	M031] New Properties of primary and secondary cosmic rays measured by AMS	Dr PANICCIA, Mercedes
6:30 PM	Coffee break	
7:00 PM	M075] New Properties of Neon, Magnesium, Silicon, and Sulfur Primary Cosmic Rays observed by the Alpha Magnetic Spectrometer on the International Space Station	YAN, Qi
7:25 PM	M089] Anisotropy of Elementary Particle Fluxes in Primary Cosmic Rays Measured with the Alpha Magnetic Spectrometer on the ISS	VELASCO FRUTOS, Miguel Angel
7:50 PM	M042] Precision Measurement of the Monthly Boron, Carbon and Oxygen Fluxes in Cosmic Rays with the Alpha Magnetic Spectrometer on the International Space Station	TIAN, Jian
8:15 PM	Coffee break	
8:25 PM	General discussion	

Wednesday, July 29, 2020

Astro-particle Physics and Cosmology: Session I - Replay (8:00 AM - 1:00 PM)

Astro-particle Physics and Cosmology: Session II - Premiere (3:30 PM - 9:00 PM)

-Conveners: Kate Scholberg

time	[id] title	presenter
3:30 PM	[M55] FROM OPEN PUBLIC ALERTS TO GRAVITATIONAL-WAVE CANDIDATES DURING THE LIGO-VIRGO THIRD OBSERVATION RUN O3	Dr ARNAUD, Nicolas
3:55 PM	[M79] Probing Secret Interactions of eV-scale Sterile Neutrinos with the Diffuse Supernova Neutrino Background	Prof. RENO, Mary Hall
4:20 PM	[M64] Core-Collapse Supernove Burst Neutrinos in DUNE	CUESTA SORIA, Clara
4:45 PM	Coffee break	
5:15 PM	[M65] Supernova Neutrino Pointing with DUNE	ROETH, AJ
5:40 PM	[M011] SNEWS2.0: A Supernova Early Warning System for the Multi-Messenger Era	Prof. BENZVI, Segev
6:05 PM	[M08] The GAPS Experiment: Probing Unique Dark Matter Parameter Space With Low Energy Cosmic Ray Antinuclei	Dr QUINN, Sean
6:30 PM	Coffee break	
7:00 PM	[M77] Avenues to New Physics Searches in Cosmic Ray Air Showers	Mr REININGHAUS, Maximilian
7:25 PM	General discussion	

Thursday, July 30, 2020

Astro-particle Physics and Cosmology: Session II - Replay (1:00 AM - 6:00 AM)

Astro-particle Physics and Cosmology: Session III - Premiere (8:00 AM - 1:40 PM)

-Conveners: Markus Ahlers

time	[id] title	presenter
8:10 AM	[M115] Analysis on the black hole formations inside old neutron stars by isospin-violating dark matter with self-interaction	Dr LIN, Yen-Hsun
8:35 AM	[M102] Primordial black hole dark matter and ways to find it	TAKHISTOV, Volodymyr
9:00 AM	[M148] Post-Inflationary Production Of Light Dark Sector	Dr GHOSHAL, Anish
9:25 AM	Coffee break	
9:55 AM	[M1044] Primordial Kerr Black Holes	ARBHEY, Alexandre
10:20 AM	[M108] Cosmological scalar fields and Big-Bang nucleosynthesis	Mr COUPECHOUX, Jean-FRANCOIS
10:45 AM	[M118] Electroweak monopoles and their cosmological implications	Prof. KOBAKHIDZE, Archil
11:10 AM	Coffee break	
11:40 AM	[M145] Precision measurements of 3He-to-4He ratio and individual 3He and 4He fluxes in Cosmic Rays with the Alpha Magnetic Spectrometer on the International Space Station	Dr GIOVACCHINI, Francesca
12:05 PM	[M117] Measurements of Light Nuclear Isotopic Composition in Cosmic Rays with the Alpha Magnetic Spectrometer on the International Space Station	WEI, Jiahui
12:30 PM	[M116] Measurements of the Deuteron flux and of the Deuteron to proton flux ratio in Cosmic Rays with AMS on the ISS	DIMICCOLI, Francesco
12:55 PM	Coffee break	
1:05 PM	General discussion	

Astro-particle Physics and Cosmology: Session III - Replay (3:30 PM - 8:30 PM)

Friday, July 31, 2020

Astro-particle Physics and Cosmology: Session IV - Premiere (8:00 AM - 1:30 PM)

-Conveners: Ioana Maris

time	[id] title	presenter
8:00 AM	[M15] MONTE CARLO SIMULATION ON THE EFFECT OF AIR MASS ABOVE THE PRINCESS SIRINDHORN NEUTRONS MONITOR TO ATMOSPHERIC NEUTRONS FROM COSMIC RAYS	RODPHOTHONG, Dumrongsak
8:25 AM	[M02] Probing hadronic interactions with measurements at ultra-high energies with the Pierre Auger Observatory	SCHMIDT, David
8:50 AM	[M63] Multi-Messenger studies with the Pierre Auger Observatory	Mr ZEHRER, Lukas
9:15 AM	Coffee break	
9:45 AM	[M11] EUSO-SPB2: a precursor for space observatory for multi-messenger astrophysics	SCOTTI, Valentina
10:10 AM	[M03] Towards Understanding the Origin of Cosmic-Ray Positrons	WENG, Zhili
10:35 AM	[M08] Antiproton Flux and Properties of Elementary Particle Fluxes in Primary Cosmic Rays Measured with the Alpha Magnetic Spectrometer on the ISS	TANG, Zhicheng
11:00 AM	Coffee break	
11:30 AM	[M16] Status of Baikal-GVD	Mr SAFRONOV, Grigory
11:55 AM	[M53] Neutrinos from galactic sources	Dr NIRO, Viviana
12:20 PM	[M06] Recent results of the ANTARES neutrino telescope	CHIARUSI, Tommaso
12:45 PM	Coffee break	
12:55 PM	General discussion	

Astro-particle Physics and Cosmology: Session IV - Replay (3:30 PM - 8:30 PM)