

TeV Particle Astrophysics 2021(TeVPA 2021)

Tuesday, 26 October 2021

Session 1: Dark matter (15:00 - 16:20)

-Conveners: Caterina Doglioni

time	[id] title	presenter
15:00	[109] J-factor estimation of dwarf spheroidal galaxies with the member/foreground mixture model	Dr HORIZOME, Shunichi
15:20	[47] Search for Gamma-ray Line emission from Dark Matter annihilation in the Galactic Centre with the MAGIC telescopes	Dr HUETTEN, Moritz
15:40	[55] Search for dark matter in the Galactic Centre region with the H.E.S.S. Inner Galaxy Survey	Mr MONTANARI, Alessandro
16:00	[87] Cherenkov Telescope Array sensitivity to branon dark matter models	AGUIRRE-SANTAELLA, Alejandra

Session 1: Dark Matter (16:40 - 18:20)

-Conveners: Yue Meng

time	[id] title	presenter
16:40	[81] Combined Dark Matter Searches Towards Dwarf Spheroidal Galaxies with Fermi-LAT, HAWC, H.E.S.S., MAGIC, and VERITAS	SALAZAR-GALLEGOS, Daniel
17:00	[94] Searching for Dark Matter with the Southern Wide-field Gamma-ray Observatory (SWG0)	VIANA, Aion
17:20	[116] Searching for WIMPs in the Large Magellanic Cloud	REGIS, Marco
17:40	[149] Decaying Dark Matter at IceCube and its Signature in High-Energy Gamma-Ray Experiments	SKRZYPEK, Barbara
18:00	[146] Constraining EeV-Scale Dark Matter with Neutrino Observatories Using Tau Regeneration	LAZAR, Jeffrey

Wednesday, 27 October 2021

Session 1: Dark matter (08:30 - 09:50)

-Conveners: Junwu Huang

time	[id] title	presenter
08:30	[25] Searching for dark matter self-interactions in tidally formed ultra-diffuse galaxies and cluster substructures	Dr YANG, Daneng
08:50	[86] Shedding light on low-mass subhalo survival with numerical simulations	AGUIRRE-SANTAELLA, Alejandra
09:10	[24] Dark matter freeze-in from semi-production	LALETIN, Maxim
09:30	[0] Dark SHINE: Dark Photon Search Experiment at SHINE	LI, Shu

Session 1: Dark matter (10:10 - 11:50)

-Conveners: Haipeng An

time	[id] title	presenter
10:10	[80] Researches on axion-like particles with gamma-ray observations	Mr LIANG, Yun-Feng
10:30	[72] Dark Matter decay to neutrinos	DELGADO LOPEZ, Diyaselis
10:50	[26] Dark Matter Capture in Neutron Stars	Prof. BELL, Nicole
11:10	[54] Searching for Axion Echos from Supernova Remnants	Dr SUN, Chen
11:30	[120] Light gravitino dark matter: LHC searches and the Hubble tension	GU, Yuchao

Session 1: Gamma ryas (15:00 - 18:20)

-Conveners: Ruoyu LIU

time	[id] title	presenter
15:00	[20] Improving the signal estimation from On/Off observations in gamma-rays	D\`AMICO, Giacomo
15:25	[68] Localizing and Classifying Gamma-Ray Sources Using Deep Neural Network	BHATTACHARYYA, Saptashwa
15:50	[118] Search for long term variability of HESS J1745-290 at the centre of the Galaxy	ZOUARI, Samuel
16:15	[16] LST-1, the Large-Sized Telescope prototype of CTA: status and first observations.	DELLA VOLPE, Domenico
16:40	[137] The ASTRI Mini-Array and its key performance features	Dr LOMBARDI, Saverio
17:05	[148] Science with the Southern Wide-Field Gamma-ray Observatory	GIACINTI, Gwenael
17:30	[117] The Core Science Program of the ASTRI Mini-Array	VERCELLONE, Stefano
17:55	[132] Advanced searches for Lorentz invariance violation with Cherenkov telescopes	TERZIĆ, Tomislav

Thursday, 28 October 2021

Session 1: Galactic sources (08:30 - 10:30)

-Conveners: Ke FANG

time	[id] title	presenter
08:30	[96] Prospect of Detecting X-Ray Halos Around Middle-Aged Pulsars with eROSITA	Mr LI, Ben
08:50	[19] Follow-up Study of the Energy-Dependent Morphology of Geminga with HAWC	TORRES-ESCOBEDO, Ramiro
09:10	[129] Diagnosing the particle transport mechanism in the Geminga's pulsar halo via X-ray observation	Dr WU, Qizuo
09:30	[89] Modelling the X-ray emission of the Boomerang Nebula	Mr LIANG, Xuan-Han
09:50	[27] A gamma-ray enhancement event in Tycho's supernova remnant	Prof. WANG, Zhongxiang
10:10	[131] Molecular-line and gamma-ray studies toward SNR G35.6-0.4	Mr ZHANG, xiao

Friday, 29 October 2021

Session 1: Neutrino (08:20 - 09:50)

-Conveners: Michael Larson

time	[id] title	presenter
08:20	[130] Constraints on Sterile Neutrino Mixing from IceCube	GARCIA, Alfonso
08:40	[193] Astrophysical Tau Neutrinos with IceCube	DOUG, Cowen
09:00	[197] TAMBO: Hunting Astrophysical tau neutrinos in the Andes	ZHELNIN, Pavel
09:25	[123] High-energy neutrinos and gamma-rays from the AGN-driven wind and torus in NGC 1068	INOUE, Susumu

Session 1: Neurtino (10:10 - 11:50)

-Conveners: Aya Ishihara

time	[id] title	presenter
10:10	[90] Non-Standard Interactions Searches in IceCube	PARKER, Grant
10:30	[196] Can Galaxy Clusters Explain the Diffuse Neutrino Flux Observed by IceCube? Speaker: Mehr Un Nisa	UN NISA, Mehr
10:50	[192] Searches for GeV to PeV neutrinos from gravitational wave sources with IceCube	BALAGOPAL V., Aswathi
11:10	[17] Horizontal air showers and neutrino search with LHAASO-KM2A	Dr GOU, Quanbu
11:30	[151] A Monte Carlo for Ultra-High Energy Neutrino Propagation	SAFA, Ibrahim

Session 1: Dark matter (15:00 - 16:20)

-Conveners: Fei Gao

time	[id] title	presenter
15:00	[29] Dark-sector physics at Belle II	MAITI, Rajesh Kumar
15:20	[35] Constraining Dark Matter Annihilation with Cosmic Ray Antiprotons using Neural Networks	NIPPEL, Kathrin
15:40	[77] Dark Matter searches at CMS	KUMAR, Deepak
16:00	[155] Searches for dark matter with the ATLAS detector (joint abstract from Exotics, Higgs, and SUSY)	LI, Changqiao

Session 1: Dark matter poster & Break (16:20 - 16:40)

time	[id] title	presenter
16:20	[141] Prospects for Primordial Black Hole evaporation studies with the Southern Wide-field Gamma-ray Observatory	LOPEZ-COTO, Ruben

Session 1: Dark matter (16:40 - 18:00)

-Conveners: Ning Zhou

time	[id] title	presenter
------	------------	-----------

16:40	[40] The XENON Dark Matter Search Experiment	GAO, Fei
17:00	[121] Status of the SABRE South Experiment at the Stawell Underground Physics Laboratory	FEDERICO, Scutti
17:20	[53] Energy budget of cosmological first-order phase transition	Dr WANG, Xiao
17:40	[56] Precision cosmology and the stiff-amplified gravitational-wave background from inflation: implications for the Hubble tension	LI, Bohua