9th International Conference on New Frontiers in Physics (ICNFP 2020)

Saturday 5 September 2020

Parallel session - Room 2 (12:40 - 13:30)

time [id] title	presenter
12:40 [104] Quantum noise reduction in Advanced Virgo	SEQUINO, Valeria
13:05 [105] Small scale suspended interferometer for ponderomotive squeezing as test bench for EPR squeezer integration in Advanced Virgo	GIACOPPO, Laura

Parallel session: A High Energy Particle Physics - Room 3 (12:40 - 13:30)

time [id] title	presenter
12:40 [165] Rydberg positronium for pulsed antihydrogen production	CARAVITA, Ruggero
13:05 [160] Observation of a strong diocotron instability in an antiproton plasma ring and ``tailoring" of pure electron plasmas in the strong drive regime	TIETJE, Ingmari Christa

Parallel session: Cosmology, Astrophysics, Gravity, Mathematical Physics - Room 1 (12:40 - 13:30)

time [id] title	presenter
12:40 [5] The Physics Program of the PADME Experiment	OLIVA, Federica
13:05 [6] The PADME Detector	TARUGGI, Clara

Tuesday 8 September 2020

Parallel session: Cosmology, Astrophysics, Gravity, Mathematical Physics - Room 3 (11:00 - 13:30)

time	[id] title	presenter
11:00	[178] AugerPrime - The upgrade of the Pierre Auger Observatory	STASIELAK, Jaroslaw
11:25	[134] "Physics prospects with DAMIC-M"	KILMINSTER, Ben
11:50	[77] Particle physics in cosmic rays	Dr GORA, Dariusz
	[73] Anisotropies in the arrival directions of ultra-high-energy cosmic rays measured at the Pierre Auger Observatory	BISTER, Teresa
12:40	[175] Telescope Array Summary	LUNDQUIST, Jon Paul
	[75] Enhancing the understanding of fragmentation processes in hadrontherapy and radioprotection in space with the FOOT experiment	COLOMBI, Sofia

Parallel session: High Energy Particle Physics - Room 2 (11:00 - 13:30)

time	[id] title	presenter
	[205] Pushing the Frontier in Measuring the Mass of the Lightest Lepton: Results from the Karlsruhe Tritium Neutrino Experiment	SCHLÖSSER, Magnus
11:25	[22] The physics potentials of JUNO	Mr LU, Haoqi
11:50	[193] Latest Results from the Daya Bay Experiment	DOHNAL, Tadeas
	[223] Searches for the neutrinoless double beta decay with GERDA – latest results.	ZUZEL, Grzegorz
12:40	[180] Neutrino Oscillation Results from the MINOS+ Experiment	Dr HOLIN, Anna

Parallel session: Multidisciplinary Session - Room 1 (11:00 - 11:50)

time	[id] title	presenter
	[143] Studies of low-energy K\$^{-}\$- nucleus/nuclei interactions with light nuclei by AMADEUS	SKURZOK, Magdalena
11:25	[183] Partial wave analysis of \$J/\psi \to K^+K^-\pi^0\$	DENISENKO, Igor

Parallel session: Cosmology, Astrophysics, Gravity, Mathematical Physics - Room 1 (16:30 - 18:10)

time [id] title	presenter
16:30 [190] Latest results from LUNA experiment	BARILE, Francesco
16:55 [204] New results from the CUORE experiment	Dr NUTINI, Irene
17:20 [131] Measurement of CNO neutrinos with Borexino	POCAR, Andrea
17:45 [153] Status of the MAJORANA DEMONSTRATOR experiment	Dr MASSARCZYK, Ralph

Parallel session: High Energy Particle Physics - Room 3 (16:30 - 18:10)

time [id] title

16:30 [195] Azimuthal asymmetries and transverse momentum dependent distributions of charged hadrons at COMPASS	MORETTI, Andrea
16:55 [200] Study of double J/psi production mechanisms at COMPASS	GRIDIN, Andrei
17:20 [226] The wake of jets from linearized hydrodynamics	Dr YAO, Xiaojun

Wednesday 9 September 2020

Parallel session: Cosmology, Astrophysics, Gravity, Mathematical Physics - Room 3 (11:00 - 11:50)

time [id] title	presenter
11:00 [74] The SABRE experiment	ZANI, Andrea
11:25 [106] DAMIC results on WIMP search with 11kg.day	GAIOR, Romain

Parallel session: High Energy Particle Physics - Room 1 (11:00 - 11:50)

time	[id] title	presenter
	[102] New result on the search for the K+ —> pi+ nunu decay at the NA62 experiment at CERN	MARTELLOTTI, Silvia
11:30	[101] New measurement of the K+ -> pi+ mu+ mu- decay at NA62	MADIGOZHIN, Dmitri

Thursday 1 October 2020

Parallel session: Cosmology, Astrophysics, Gravity, Mathematical Physics - Room 2 (16:35 - 17:25)

time [id] title	presenter
16:35 [277] The ADAMO Project for the Dark Matter Directionality Approach	Dr CARACCIOLO, Vincenzo
17:00 [279] Superluminality in beyond Horndeski theory with extra matter	VOLKOVA, Victoria

Parallel session: High Energy Particle Physics - Room 1 (17:00 - 17:50)

time [id] title	presenter
17:00 [275] Double beta decay of \$^{150}\$Nd on excited levels of \$^{150}\$Sm	POLISCHUK, Oksana
17:25 [278] Search for double beta decay of \$^{106}\$Cd	KLAVDIIENKO, V.R.

Friday 2 October 2020

Parallel session: Heavy Ion Collisions and Critical Phenomena - Room 1 (14:00 - 15:20)

time [id] title		presenter
14:00	[255] Search for identical bands on the basis of level spin in SD nuclei	JAIN, Poonam
	[273] Spatiotemporal structure of the pion emission in Au+Au collisions at \sqrt{s} = 19.6 GeV in UrQMD model	KRAVCHENKO, Yevhen
14:50	[257] Jet production and fragmentation at colliders (from HERA to EIC)	SHABETAI, Alexandre

Parallel session: Heavy Ion Collisions and Critical Phenomena - Room 2 (14:00 - 14:25)

time [id] title	presenter
14:00 [234] Renormalization group analysis of strongly anisotropic self-organized critical system subjected to isotropic turbulent flow	Dr GULITSKIY, Nikolay

Parallel session: High Energy Particle Physics - Room 2 (14:25 - 14:50)

time [id] title	presenter
14:25 [287] Resonant production of Higgs and electroweak boson pairs as a signature of massive sgoldstinos at the LHC	Ms KRIUKOVA, Ekaterina

Parallel session: Quantum Physics, Quantum Optics and Quantum Information - Room 2 (14:50 - 15:15)

time [id] title	presenter
14:50 [280] Computing knot invariants on a quantum computer	MIRONOV, Sergey