

PANIC2021 Conference

Sunday, September 5, 2021

Nuclear and particle astrophysics (1:00 PM - 6:00 PM)

-Conveners: Jaime Alvarez-Muniz; Daniel Galaviz; Rúben Conceição; Achim Schwenk

time	[id] title	presenter
1:00 PM	[122] Study of Short-Range Correlations using a 48 GeV/c carbon beam	KAHLBOW, Julian
1:20 PM	[130] Heavy-ion collisions and the low-density neutron star equation of state	PAIS, Helena
1:40 PM	[438] Recent developments in the In-Medium Similarity Renormalization Group	TICHAJ, Alexander
2:00 PM	[380] Bridging the gap between spectroscopy of hot, radioactive ion beams, and cold, precise measurements	Dr VERNON, Adam
2:30 PM	[231] LUNA results on deuterium burning and implications for cosmology	Dr FERRARO, Federico
2:50 PM	[99] Neutrino flavor evolution in dense environments and the r-process	Dr VOLPE, Maria Cristina
3:10 PM	[223] r-Process Radioisotopes from Near-Earth Supernovae and Kilonovae	WANG, Xilu
3:25 PM	[557] Atomic Structure Calculations in Lanthanide and Actinide ions relevant to kilonovae	FERREIRA DA SILVA, Ricardo
3:40 PM	[96] First results from the ARTIE experiment	PAGANI, Luca
4:05 PM	[185] Novel Focal-Plane Detector Concepts for PID at the FRIB S800 Spectrometer	CORTESI, Marco
4:20 PM	[127] Experimental investigations of proton-capture reactions with $^{112,114}\text{Cd}$ at energies of astrophysical interest	Mr VASILEIOU, Polytimos
4:35 PM	[559] Determination of $^{118}\text{Sn}(p,g)^{119}\text{Sb}$ cross-section at astrophysical energies from X-ray emission yields	XAREPE, Manuel
4:50 PM	[558] Trojan Horse Method for n-induced reaction investigations at astrophysical energies	SERGI, Maria Letizia
5:05 PM	[163] Cross section of the $^{13}\text{C}(\alpha,n)^{16}\text{O}$ reaction at low energies in the framework of LUNA collaboration	CIANI, Giovanni Francesco
5:20 PM	[247] Extension of Migdal-Watson formula and its application to binary breakup reaction	NAKAMOTO, riu
5:35 PM	[261] New observation of α decay of ^{190}Pt to the first excited level of ^{186}Os	Dr ROMANIUK, Mariia

Wednesday, September 8, 2021

Nuclear and particle astrophysics (1:00 PM - 6:00 PM)

-Conveners: Daniel Galaviz; Rúben Conceição; Jaime Alvarez-Muniz; Achim Schwenk

time	[id] title	presenter
1:00 PM	[405] The Southern Wide-field Gamma-ray Observatory	BELLIDO, Jose
1:20 PM	[478] Review of Neutrino Astrophysics with IceCube	TABOADA, Ignacio
1:40 PM	[181] ANTARES & KM3NeT: High Energy Astrophysical Neutrino Telescopes in the Mediterranean Sea	CAPONE, Antonio
2:00 PM	[471] Ultrahigh-energy physics from high altitudes with ANITA	DEACONU, Cosmin
2:20 PM	[337] Probing hadronic interactions with the Pierre Auger Observatory	FENU, Francesco
2:50 PM	[95] Results overview from the DAMPE space mission in orbit	KYRATZIS, Dimitrios
3:10 PM	[285] Sensitivity of the LUX-ZEPLIN experiment to rare Xenon decays	BRAZ, Paulo
3:30 PM	[153] Axion Production in Pulsar Magnetosphere Gaps	PRABHU, Anirudh
3:45 PM	[168] Supernova constraints on dark flavoured sectors	TEROL CALVO, Jorge
4:00 PM	[114] Constraints on the fermionic dark matter from observations of neutron stars	SAGUN, Violetta
4:25 PM	[481] The Scintillation Bubble Chamber (SBC) experiment for dark matter and reactor CEvNS	Dr PAL, Sumanta
4:40 PM	[498] The use of realistic equations of state in $f(R, T)$ gravity theory and massive neutron stars	MALHEIRO, Manuel
4:55 PM	[174] Neutron Star Cooling on Strong Magnetic Field : Neutrino -Antineutrino Pair Emission and Direct Urca Processes	Prof. MARUYAMA, Tomoyuki