

PANIC2021 Conference

Sunday, September 5, 2021

Dark matter and cosmology (1:00 PM - 6:00 PM)

-Conveners: Dan Hooper; Simona Murgia; Francisco Neves

time	[id] title	presenter
1:00 PM	[614] A machine learning approach to the Galactic Center Excess	RODD, Nicholas
1:30 PM	[197] Improving the sensitivity to light dark matter with the Migdal effect	Dr MESSINA, Andrea
1:48 PM	[316] Dark Matter search with the CRESST-III experiment	DI LORENZO, Stefano
2:06 PM	[345] New method to search for axion-like particles demonstrated at the COSY storage ring	KARANTH, Swathi
2:34 PM	[109] Capture of DM in Compact Stars	BUSONI, Giorgio
2:52 PM	[164] Low Mass Black Holes from Dark Core Collapse	LAHA, Ranjan
3:10 PM	[292] New Ideas of Probing Sterile Neutrino Dark Matter	ZHANG, Yue
3:38 PM	[237] Status of the LZ Experiment	MONTE, Alissa
3:56 PM	[334] Measurement of the antinuclei nuclear inelastic cross sections with ALICE and implications for indirect Dark Matter searches	KOENIGSTORFER, Stephan
4:14 PM	[617] Anomalies and opportunities in indirect searches for Dark Matter	VALLI, Mauro
4:44 PM	[618] Dark Matter and Long-Lived Particles in Celestial Bodies	LEANE, Rebecca

Wednesday, September 8, 2021

Dark matter and cosmology (1:00 PM - 6:20 PM)

-Conveners: Dan Hooper; Simona Murgia; Francisco Neves

time	[id] title	presenter
1:00 PM	[615] The Fermi-LAT GeV excess: from dark matter to point sources	CALORE, Francesca
1:30 PM	[349] Signatures of Primordial Black Holes in theories of Large Extra Dimensions	FRIEDLANDER, Avi
1:48 PM	[395] Bound state formation effects for dark matter beyond WIMPs	HEISIG, Jan
2:06 PM	[482] Search for Dark Matter signatures from cosmic-ray antinuclei with the GAPS experiment	TIBERIO, Alessio
2:24 PM	[82] The PADME Scientific Program	GIANOTTI, Paola
2:52 PM	[88] The Light Dark Matter eXperiment, LDMX	Dr MULLIER, Geoffrey
3:10 PM	[131] Dark-sector physics at Belle II	LAURENZA, Martina
3:28 PM	[158] Probing new physics at the LUXE experiment	SANTRA, Arka
3:46 PM	[201] Dark sector searches at Belle	HADJIVASILIOU, Christos
4:04 PM	[331] Dark sector searches with NA64 experiment at CERN	MOLINA BUENO, Laura
4:32 PM	[351] Search for New Physics in e+e- Final States With an Invariant Mass of 10-20 MeV Using the ARIEL Electron Accelerator	Prof. BERNAUER, Jan Prof. CORLISS, Ross
4:50 PM	[619] Dark Matter Interpretation of the Fermi-LAT Observations Toward the Outer Halo of M31	KARWIN, Chris
5:20 PM	[620] New Physics and the Black Hole Mass Gap	MCDERMOTT, Sam
5:50 PM	[616] Axions, strong lensing and deep learning: Towards convincing dark matter discoveries in astrophysical data	WENIGER, Christoph