

PANIC2021 Conference

Sunday, 5 September 2021

Dark matter and cosmology (13:00 - 18:00)

-Conveners: Dan Hooper; Simona Murgia; Francisco Neves

time	[id] title	presenter
13:00	[614] A machine learning approach to the Galactic Center Excess	RODD, Nicholas
13:30	[197] Improving the sensitivity to light dark matter with the Migdal effect	Dr MESSINA, Andrea
13:48	[316] Dark Matter search with the CRESST-III experiment	DI LORENZO, Stefano
14:06	[345] New method to search for axion-like particles demonstrated at the COSY storage ring	KARANTH, Swathi
14:34	[109] Capture of DM in Compact Stars	BUSONI, Giorgio
14:52	[164] Low Mass Black Holes from Dark Core Collapse	LAHA, Ranjan
15:10	[292] New Ideas of Probing Sterile Neutrino Dark Matter	ZHANG, Yue
15:38	[237] Status of the LZ Experiment	MONTE, Alissa
15:56	[334] Measurement of the antinuclei nuclear inelastic cross sections with ALICE and implications for indirect Dark Matter searches	KOENIGSTORFER, Stephan
16:14	[617] Anomalies and opportunities in indirect searches for Dark Matter	VALLI, Mauro
16:44	[618] Dark Matter and Long-Lived Particles in Celestial Bodies	LEANE, Rebecca

Wednesday, 8 September 2021

Dark matter and cosmology (13:00 - 18:20)

-Conveners: Dan Hooper; Simona Murgia; Francisco Neves

time	[id] title	presenter
13:00	[615] The Fermi-LAT GeV excess: from dark matter to point sources	CALORE, Francesca
13:30	[349] Signatures of Primordial Black Holes in theories of Large Extra Dimensions	FRIEDLANDER, Avi
13:48	[395] Bound state formation effects for dark matter beyond WIMPs	HEISIG, Jan
14:06	[482] Search for Dark Matter signatures from cosmic-ray antinuclei with the GAPS experiment	TIBERIO, Alessio
14:24	[82] The PADME Scientific Program	GIANOTTI, Paola
14:52	[88] The Light Dark Matter eXperiment, LDMX	Dr MULLIER, Geoffrey
15:10	[131] Dark-sector physics at Belle II	LAURENZA, Martina
15:28	[158] Probing new physics at the LUXE experiment	SANTRA, Arka
15:46	[201] Dark sector searches at Belle	HADJIVASILIOU, Christos
16:04	[331] Dark sector searches with NA64 experiment at CERN	MOLINA BUENO, Laura
16:32	[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
16:50	[619] Dark Matter Interpretation of the Fermi-LAT Observations Toward the Outer Halo of M31	KARWIN, Chris
17:20	[620] New Physics and the Black Hole Mass Gap	MCDERMOTT, Sam
17:50	[616] Axions, strong lensing and deep learning: Towards convincing dark matter discoveries in astrophysical data	WENIGER, Christoph