

2019 Meeting of the Division of Particles & Fields of the American Physical Society

Monday, July 29, 2019

Dark Matter - West Village G 102 (2:00 PM - 3:30 PM)

-Conveners: Rupak Mahapatra; Benjamin Safdi; Lindley Winslow

time	[id] title	presenter
2:00 P	[M10] Dark photons in the decay of a scalar particle	Dr KOZLOV, Gennady
2:17 P	[M15] The Light Dark Matter eXperiment, LDMX	MANS, Jeremy
2:34 P	[M81] Detecting Light, High-Energy, Low-Interacting Particles with FASER	ROSE SHIVELY, Savannah
2:51 P	[M83] Searching for dark photons with PADME	FRANKENTHAL, Andre
3:08 P	[M64] The Heavy Photon Search Experiment	BRAVO, Cameron

Dark Matter - West Village G 102 (4:00 PM - 6:00 PM)

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time	[id] title	presenter
4:00 P	[M8] Dark Matter, Galactic Dynamics, and Gaia	MOSCHELLA, Matthew
4:17 P	[M04] Studying the influence of the void environment on the ratio of dark matter halo mass to stellar mass in SDSS MaNGA galaxies	Prof. DEMINA, Regina
4:34 P	[M77] Shapes of Self-Interacting Dark Matter	PARIKH, Aditya
4:51 P	[M37] Electroweak Symmetric Dark Matter Balls	JAIN, Bithika
5:08 P	[M43] Exotic Compact Objects in a Dissipative Dark Sector	CHANG, Jae Hyeok
5:25 P	[M08] Fast and improved cosmic ionization/thermal history including dark matter energy injection	RIDGWAY, Gregory
5:42 P	[M94] New Aspects of Millicharged Dark Matter at 21-cm	LIU, Hongwan

Tuesday, July 30, 2019

Dark Matter - West Village G 102 (2:00 PM - 3:30 PM)

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time	[id] title	presenter
2:00 P	[M105] Evidence against the decaying dark matter interpretation of the 3.5 keV line from blank sky observations	DESSERT, Christopher
2:17 P	[M119] Dark Matter Indirect Detection with the GAPS Experiment	XIAO, Mengjiao
2:34 P	[M138] Strong constraints on keV-scale sterile neutrinos with NuSTAR	Mr ROACH, Brandon
2:51 P	[M149] Constraining Dissipative Dark Matter Self-Interactions	ZHONG, Yiming
3:08 P	[M193] Dark Matter self-interactions in Milky Way dSphs	VALLI, Mauro

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4:00 P	[M118] DarkSide-50 Results and the Future Liquid Argon Dark Matter Program	WANG, Yi
4:17 P	[M102] The Most Recent Results of the LUX Dark Matter Experiment	Prof. SZYDAGIS, Matthew
4:34 P	[M103] Neutron and γ Backgrounds in the LUX-ZEPLIN Dark Matter Detector	RISCHBIETER, Gregory
4:51 P	[M141] Cleaning LZ: getting rid of unwanted backgrounds	Prof. LEVY, Cecilia
5:08 P	[M124] Astroparticle Physics with a Generation-3 Liquid Xenon Detector	LANG, Rafael
5:25 P	[M113] Estimating Si-32 and tritium in the SuperCDMS SNOLAB detectors	ORRELL, John
5:42 P	[M139] Dark Matter search results from DAMIC at SNOLAB	Mr PIERS, Alexander

Wednesday, July 31, 2019

Dark Matter - West Village G 102 (2:00 PM - 3:30 PM)

-Conveners: Lindley Winslow; Benjamin Safdi; Rupak Mahapatra

time	[id] title	presenter
2:00 P	M151] Constraints on Axion Dark Matter from Searches for Radio Signals at Neutron Stars	FOSTER, Joshua
2:17 P	M153] Recent Results of the Axion Dark Matter Experiment (ADMX)	Dr WESTER, William
2:34 P	M130] CAPP-8TB: Search for Axion Dark Matter in a Mass Range of 6.62 to 7.04 μeV	Dr LEE, Soohyung
2:51 P	M158] The Search for Low-Mass Axions with ABRACADABRA-10cm: Results from the First Run	Dr OUELLET, Jonathan
3:08 P	M177] The Search for Low-Mass Axions with ABRACADABRA-10cm: Preparations for Run 2	SALEMI, Chiara

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4:00 P	M182] Axion-like dark matter search using ferromagnetic toroids	GRAMOLIN, Alexander
4:17 P	M165] Search for the Axion Dark Matter with the Cosmic Axion Spin Precession Experiment (CASPER)	AYBAS, Deniz
4:34 P	M197] Enhancing the sensitivity of Axion Dark Matter search using Dynamic Nuclear Polarization	ADAM, Janos
4:51 P	M166] Nanowire Detection of Photons from the Dark Side	CHARAEV, Ilya

Thursday, August 1, 2019

Dark Matter - West Village G 102 (2:00 PM - 3:30 PM)

-Conveners: Benjamin Safdi; Rupak Mahapatra; Lindley Winslow

time	[id] title	presenter
2:00 P	[M133] Unification of the Standard Model and Self-Interacting Dark Matter in $[SU(5)*U(1)]^4$ GUT	Dr YAMADA, Masaki
2:17 P	[M115] Direct Detection Signals from Absorption of Fermionic Dark Matter	MCGEHEE, Robert
2:34 P	[M135] A sub-GeV dark matter model	Prof. DUTTA, Bhaskar
2:51 P	[M172] Direct detection limits on sub-GeV Dark Matter from the DAMIC@Snolab experiment	RAMANATHAN, Karthik

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time	[id] title	presenter
4:00 P	[M115] The Snowball Chamber: An Alternative Detection Method for Dark Matter	Mr MARTIN, Joshua
4:17 P	[M109] HeRALD: Dark Matter Direct Detection with Superfluid 4He	PINCKNEY, Harold
4:34 P	[M196] R&D towards hydrogen-doped LXe TPCs	MONTE, Alissa MONTE, Alissa
4:51 P	[M145] LBECA: Sub-GeV Dark Matter Search with Xenon	CLARK, Michael Takashi
5:08 P	[M442] Forecasting dark matter searches at next-generation direct detection experiments in light of astrophysical uncertainties: Method	BUCH, Jatan
5:25 P	[M443] Forecasting dark matter searches at next-generation direct detection experiments in light of astrophysical uncertainties: Results	LEUNG, Shing Chau
5:42 P	[M175] Strong New Limits on Light Dark Matter from Neutrino Experiments	CAPPIELLO, Christopher