Session Program

13-17 May 2024

DPF-PHENO 2024

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Dark Matter

University of Pittsburgh / Carnegie Mellon University

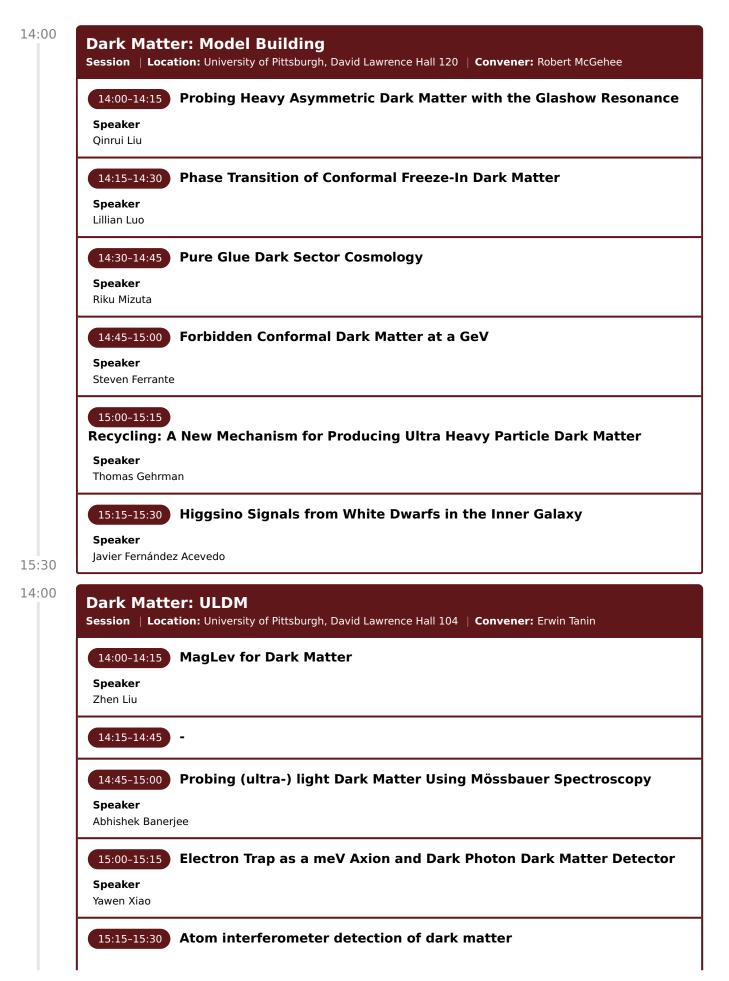
Sunday 12 May

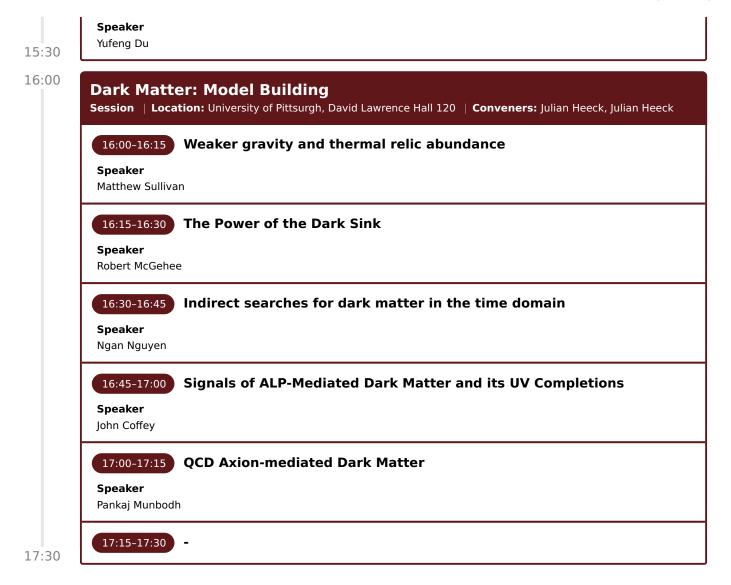
14:00-14:15 Speaker Stephen Martin	Implications of purity constraints on light higgsinos
14:15-14:30 Speaker Claire Savard	Search for emerging jets
14:30-14:45 Speaker Rodolfo Capdev	Discovering Minimal Dark Matter at Muon Colliders
14:45-15:00 Speaker Sagar Airen	Light Dark Portals at a High Energy Muon Collider
15:00-15:15	-
15:15-15:30 Dark Matte	- er: Direct Detection tion: University of Pittsburgh, David Lawrence Hall 120 Convener: Matthew Szydagis
15:15-15:30 Dark Matto Session Loca 14:00-14:15 Speaker	
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15:15-15:30 Dark Matte Session Loca 14:00-14:15 Speaker Ben Lillard	tion: University of Pittsburgh, David Lawrence Hall 120 Convener: Matthew Szydagis New Techniques in Dark Matter Direct Detection Cosmic Ray Boosted Dark Matter at IceCube
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Speaker	
Megan McDuff	le
16:45-17:00	
10.40-17.00	
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Monday 13 May





Tuesday 14 May

Dark Matter: PBH and Atomic DM Session Location: University of Pittsburgh, David Lawrence Hall 120 Conveners: Yue Zhao, Yue Zhao
 14:00-14:15 Close encounters of the primordial kind: a new observable for primordial black holes as dark matter Speaker Benjamin Lehmann
 14:15-14:30 Feedback in the dark: a critical examination of CMB bounds on primordial black holes Speaker Gregory Suczewski
14:30-14:45 Dissipative Dark Matter in a Slow Cooker: Delayed Dark Clumps and Primordial Black Holes Speaker J. Leo Kim
14:45–15:00 Constraining atomic dark matter with the high-redshift UV luminosity function Speaker Jared Barron
15:00-15:15 Atomic Dark Matter Capture in the Earth Speaker Keegan Humphrey
15:15-15:30 Lyman-alpha Constraints on Atomic Dark Matter with N-body Simulation Speaker Linda Yuan
Dark Matter: Astrophysical Probes Session Location: University of Pittsburgh, David Lawrence Hall 120 Convener: Benjamin Lehmann
16:00-16:15 Probing the pulsar explanation of the Galactic-Center GeV excess using continuous gravitational-wave searches Speaker Yue Zhao
16:15-16:30 Optimal Celestial Bodies for Dark Matter Detection

16:45-17:00	Dark Kinetic Heating of Exoplanets and Brown Dwarfs
Speaker Aidan Reilly	
17:00-17:15	
	/hite Dwarfs as Sub-GeV to Multi-TeV Dark Matter Detectors
Speaker	
Lillian Santos-O	msted
Elinari Sancos o	

17:30

Wednesday 15 May

14:00-14:15	Dark Matter Searches on a Photonic Chip
Speaker	
Christina Gao	
14:15-14:30	Boosted Dark Photons - Looking for Light Dark Matter with Dark
Speaker R. Andrew Gus	stafson
14:30-14:45	Thermal effects in freeze-in neutrino dark mater production
Speaker	
Dr Michele Luc	:ente
14:45-15:00	Dark Matter Production During Warm Inflation via Freeze-In
Speaker Barmak Sham	s Es Haghi
15:00-15:15	Freeze-in Cogenesis of Asymmmetric Dark Matter
Speaker	,
Michael Sham	ma
15:15-15:30	Majoron echoes of Leptogenesis
Speaker Swapnil Dutta	
	ter: WIMPs, DM Simulation and ML ation: University of Pittsburgh, David Lawrence Hall 120 Convener: Barmak Shams Es Hag
16:00-16:15	
A WIMP Sta Dark Matte	atus Report: Constraints and Discovery Prospects for Singlet-Doubl
Speaker	: 1
Evan Petrosky	
	The Inner Dark Matter Distribution in Hydrodynamic Simulations
16:15-16:30	
Speaker	
Speaker Abd El Aziz Hu 16:30-16:45	Issein
Speaker Abd El Aziz Hu 16:30-16:45	

	oust Away: An unbiased map of the Milky Way's gravitational unsupervised ML
Speaker Eric Putney	
17:00-17:30 -	