

Conference on Science at the Sanford Underground Research Facility

Wednesday, May 15, 2024

Dark Matter: Parallel I - CB 204 E (2:00 PM - 3:40 PM)

-Conveners: Juergen Reichenbacher

time	[id] title	presenter
2:00 PM	[27] Latest results of the PandaX-4T experiment	QIAN, Zhicheng
2:25 PM	[23] Searching for WIMPs and Other New Physics with LZ	XIA, Shilo
2:50 PM	[34] Electron Lifetime Measurements in the LUX-ZEPLIN (LZ) Dark Matter Experiment	GENOVESI, Jack
3:15 PM	[74] The future of the DarkSide-20k Dark Matter Search	Dr LAI, Michela

Dark Matter: Parallel II - CB 204 E (4:20 PM - 6:00 PM)

-Conveners: Varun Vaidya

time	[id] title	presenter
4:20 PM	[21] Unraveling Light Dark Matter and Rare B Decays: $L_{\mu}-L_{\tau}$ Model Enhanced by Scalar Leptoquark	SAHOO, Suchismita
4:40 PM	[90] Latest Results and Future Directions of CRESST	Dr MANCUSO, Michele
5:00 PM	[26] The SuperCDMS SNOLAB experiment	PRADEEP, Aditi
5:20 PM	[101] The search for light dark matter with DAMIC-M	NORCINI, Danielle
5:40 PM	[57] Searching for MeV-scale Dark Matter at TESSERACT	MATAVA, William

Thursday, May 16, 2024

Dark Matter: Parallel III - CB 204 E (4:20 PM - 6:00 PM)

-Conveners: Joshua Berger

time	[id] title	presenter
4:20 PM	[89] The CYGNO/INITIUM project for directional Dark Matter searches	Prof. BARACCHINI, Elisabetta
4:40 PM	[35] Radiopure flexible cables for rare-event physics detectors	ROCCO, Nicole
5:00 PM	[80] Innovative Purification Techniques for Producing High-Quality Germanium Detectors for Low-Mass Dark Matter Searches	WARREN, Austin
5:20 PM	[56] Unusual Dielectric Behavior at Low Temperatures: Neutrality Induction and Excited Dipole States in Germanium Detectors for MeV-Scale Dark Matter Detection	BUDHATHOKI, Narayan