IDM 2024

Wednesday, 10 July 2024

Poster session: Coffee Break, Poster session, Outreach projects exhibit (16:20 - 17:30)

[id] title	presenter	board
[21] Neutrinos from the Sun can discover dark matter-electron scattering	KUMAR SAHA, Akash	
[47] PRyMordial: A tool for Dark Sectors in the Early Universe	VALLI, Mauro	
[32] Detecting quadratically coupled ultralight dark matter with stimulated annihilation	GONG, Yuanlin	
[31] Polarization Signals from Axion-Photon Resonant Conversion in Neutron Star Magnetosphere	SU, Liangliang	
[130] A skipper-CCD light shield for dark matter detection in space	BOTTI, Ana Martina	
[256] Corrections on the electron g-2 from ultra light dark matter backgrounds	ARZA, Ariel	
[202] XENONnT physics-driven 6D Surface Background Model	FERRARI, Cecilia	
[121] A state-of-the-art many-body atomic response of xenon and germanium atom used for direct dark matter detection	Dr PANDEY, Mukesh Kumar	
[185] Many-Body Atomic Response for Light Dark Matter-Electron Interactions and Low-Energy Solar Neutrino Detection	WU, Chih-Pan	
[228] A novel low-energy calibration method for light Dark Matter searches and CEvNS cryogenic experiments: the CRACK project	Dr GUILLAUMON, Pedro	
[179] Negative Ion Gridpix based High resolution TPC (NIGHT) detector	GÜRBÜZ, Saime	
[247] Constraining Light Dark Matter Particle properties with Cosmic Reservoirs	AMBROSONE, Antonio	
[221] What blazar jets tell us about axion-like particles	GHOSH, Oindrila	
[253] Topological Portal to the Dark Sector	SELIMOVIC, Nudzeim	
[257] The detection of spin- and velocity-dependent exotic interaction at the micrometer range	LI, Sumin	
[119] Status of fermionic sub-GeV dark matter	BALAN, Sri Sankari alias Sowmiya	
[147] Not so inelastic Dark Matter	DALLA VALLE GARCIA, Giovani	
[114] Characterization of DarkSide-20k large-area SiPM Tiles	MARASCIULLI, Andrea	
[157] The demonstrator of BULLKID-DM: Commissioning and first results	DELICATO, Daniele	
[249] Experiments on Collisions of Electrons or Protons with Hydrogen Atoms or Molecules Shed Light on the Possible Nature of Dark Matter	OKS, Eugene	
[137] Design and Benchmarking of the Underground Argon Cryogenics System for DarkSide-20k	THIEME, Kevin	
[102] Positron annihilation in flight as a probe of new physics	DE LA TORRE LUQUE, Pedro	
[56] Sourcing axions in the magnetospheres of neutron stars	NOORDHUIS, Dion	
[208] Hunting minimal dark matter quintuplet	AGHAIE MOGHADAM OZBAK, Mohammad	

[260] The Inner Dark Matter Distribution in Hydrodynamic Simulations	HUSSEIN, Abd El Aziz	
[98] Dark Matter Subhalo Abundance in the Solar Neighborhood and Its Effect on Direct Detections	ZHANG, Xiuyuan	
[248] Search for dark matter subhalos among Fermi-LAT sources in presence of dataset shift	AMERIO, Aurelio	
[94] Data-driven identification of light signals from low-energy recoils in a LAr TPC using self-supervised machine learning	Ms PINO, Noemi	
[219] Development of SuperCDMS Silicon HVeV Detectors for Low Mass Dark Matter Searches and Studies of Low Energy Excess	KENNARD, Kyle	
[106] Low-frequency noise classification using Machine Learning for the SuperCDMS experiment	DHARANI, Sukeerthi	
[53] Towards axionic dark matter measurements with CASPEr-gradient	MALIAKA, Olympia	
[123] Searching for spin-dependent exotic interactions with ferromagnetic microsphere-cantilever probes	LUO, Rui	
[133] Optimising recoil imaging detectors for extraterrestrial particles	LISOTTI, Chiara	
[241] The DarkSide-20k Photo Detection Unit packaging process flow in NOA	SALOMONE, Paolo	
[150] Atom interferometer searches for spin-2 ultra-light dark matter	CARLTON, John	
[111] Molecular sieve vacuum swing adsorption purification and radon reduction system for gaseous dark matter and rare-event detectors	MARCELO GREGORIO, Robert Renz	
[226] Potential of RES-NOVA as a Dark Matter observatory	PATTAVINA, Luca	
[164] Intrinsic Background Characterisation of an Ultra-pure NaI Test Crystal for SABRE South	DASTGIRI, Ferdovs	
[261] The effect of the LMC on non standard interactions for future dark matter direct detection experiments	REYNOSO CORDOVA, Javier	
[60] Optimisation of fast likelihood functions for dark matter and rare event searches	GREEN, Joshua	
[223] Quantum entanglement of ions for light dark matter detection	NAKANO, Wakutaka	
[40] Identifying Supermassive Dark Star Candidates in JWST Data	PAULIN, Jillian	
[146] No-go for freeze-in DM in right-handed neutrino extended MSSM (not final).	Mr GUPTA, Tushar	
[151] Bringing Back the Senses to LUX-ZEPLIN	SWAIN, Anthony	
[154] Analysis of the CRESST warm-up test data	KUCKUK, Sarah	
[178] Optimum Filter Analysis in CRESST	MEYER, Lena	
[198] Density-functional theory description of xenon for dark matter-electron scattering in liquid xenon targets	MARIN, Luca	
[234] first results DAREDEVIL with GaAs mK calorimeter	MELCHIORRE, Andrea Dr HELIS, Dounia	
[211] Bulk Acoustic Wave devices for high-frequency gravitational wave antennas	CANONICA, Lucia	
[48] DoubleTES detectors to investigate the CRESST low energy background: results from above-ground prototypes	PUCCI, Francesca	
[171] Manifesting hidden dynamics of a sub-component dark matter	SHIN, Seodong	
[97] Search for spin dependent exotic interactions using mechanical sensors and magnetic structures	Prof. LUO, Pengshun	

[149] Studies of radioactive background from environment for a potential LXe dark matter experiment at Boulby	TRANTER, Jemima	
[162] Background mitigation with PICO-500	SAVOIE, Jeremy	
[136] Electric Fields and their Effects in the LUX-ZEPLIN Experiment	DEY, Sparshita	
[155] COSINUS low-background experimental facility at LNGS	SHERA, Kumrie	
[144] Optimisation of gas composition and amplification stage for the CYGNO/INITIUM experiment	DHO, Giorgio	
[161] NaI-remoTES: Cryogenic detectors with delicate absorbers	KELLERMANN, Moritz	
[160] Numerical simulations of 3D recoil responses of Solar B-8 neutrinos in directional direct Dark Matter detectors	Dr SHAN, Chung-Lin	