

Conference on Science at the Sanford Underground Research Facility

Wednesday, May 11, 2022

Poster Session - EEP 251 A+B (3:40 PM - 4:20 PM)

time	[id] title	presenter
3:40 PM	[13] The Snowball Chamber: Supercooled Water for Dark Matter and General Radiation Detection	SZYDAGIS, Matthew
3:41 PM	[99] Upgrading the BACoN liquid argon cryogenic system to study light yield	POUDYAL, Nabin
3:42 PM	[33] Purity Monitoring System for the SingleCube Detector at CSU	FOGARTY, Samuel
3:43 PM	[36] Investigating Short-Baseline Neutrino Anomalies with ICARUS	MUELLER, Justin
3:44 PM	[53] Design and Simulation of a 9 MeV γ -Ray Calibration Source for the DUNE Neutrino Experiment at Sanford Lab	HAISTON, James
3:45 PM	[61] Overview of Short-Baseline Neutrino Program	KASHUR, Lane
3:46 PM	[49] Seasonal Variation of Dark Matter Signals in the LZ Experiment and for a Proposed DUNE Low-Background Module at Sanford Lab	GENOVESI, Jack
3:47 PM	[63] Radon Emanation Analysis	BENDIGO, Seth
3:48 PM	[28] CYGNUS studies of Angular Resolution of Electron Recoils in Gas	GHREAR, Majd
3:49 PM	[79] Thermophilic Exopolysaccharide-derived Films for Topical Drug Delivery	LAUBACH, Joseph
3:50 PM	[98] Radiogenic Neutrons and External Gamma-ray Backgrounds at LEGEND-1000	PAUDEL, Laxman Sharma
3:51 PM	[97] First operation of undoped CsI directly coupled with SiPM at 77 Kelvin	DING, Keyu
3:52 PM	[2] A Novel Isolate Methylocystis sp. NLS7 as a promising candidate for industrial production of PHA from methane	MOUTSOGLOU, Eleni
3:53 PM	[5] Small bugs for big problems: Enriching microbes to degrade plastics	Ms GOVIL , Tanvi
3:54 PM	[6] Accelerated carbon sequestration from extremophilic microbes	VAUGHN, Magan
3:56 PM	[8] Does surface energy have effect on SRB biofilm formation?	Dr SINGH, Ram
3:57 PM	[4] Limitations of Direct Microbial Transformation of Carbon Dioxide to Biofuels	ZAUG, Jacob
3:58 PM	[10] Analysis of bacterial carbonic anhydrase for accelerated carbon sequestration	Ms KAUR, Jasmeet
3:59 PM	[11] Biometallurgy of Rare Earth Elements using Methylootrophs	VATWANI, Sarita
4:00 PM	[44] Enhancement of methane catalysis rates in Methylosinus trichosporium OB3b	Mr SAMANTA, Dipayan
4:01 PM	[29] Identification of hyperactive AFPs, their production, purification, characterization, and testing their antifreeze properties.	TIKU, Aditya
4:03 PM	[32] Epigenetics of Sulfate Reducing Bacteria Under Copper Stress	THAKUR, Payal
4:04 PM	[45] Transcriptomics and functional analysis of copper stress response in the sulfate reducing bacteria Desulfovibrio alaskensis G20	SAXENA, Priya

4:05 PM	[12] Deciphering the Genome to Phenome relationship in <i>Pseudomonas citronellolis</i> at varying methane concentrations	SHARMA, Yash
4:06 PM	[50] Methanotroph-heterotroph community resilience towards Cu ²⁺ /Fe ²⁺ ratios	Dr CHIDAMBARAM PADMAVATHY, KARTHIGEYAN
4:07 PM	[60] Measuring Non-Standard Neutrino Interactions (NSI) of Solar Neutrinos with Existing and Future Neutrino and Dark Matter Experiments	SINEV, Gleb
4:08 PM	[113] Monte Carlo simulation of a dedicated neutron detector for the COHERENT experiment at the SNS, ORNL	BOCK, Conan