

UH Physics Research Day - 2023

Saturday 18 February 2023

Poster Session: Poster Session (12:30 - 16:30)

-Conveners: Greg Morrison

time	[id] title	presenter
12:30	[40] Muon Neutrino – Nucleus Charge Current Interactions with Low Hadronic Activity Cross Section Measurements with NOvA	LESMEISTER, James
12:35	[37] A Lock-in-Amplifier system for performing Intensity Modulated Photovoltage Spectroscopy measurement in photoelectrochemical cells, tested on TiO ₂ thin films	SCHAFFER, Lilly
12:40	[33] Investigating the Magnetic Ordering and Atomic Structure of Strained CrSBr by Neutron Diffraction	UBEH, Uchenna
12:45	[32] Electronic structure analysis of air stable 2D magnet CrSBr using RIXS	RANHILI PELIGE, Jayajeewana
12:50	[31] Effects of Curvature on the Conformational Properties of Confined Semi-Flexible Polymers	GARD, Joel
12:55	[28] AI-SNIPS: A Platform for Network Intelligence-Based Pharmaceutical Security	Mr BURT, Timothy
13:00	[24] Entanglement degradation in a bipartite system with a finite lifetime observer	LOPEZ-DUQUE, Pablo
13:05	[23] A brief overview of Systematics and their implementation in the T2K P0D	MUNFORD, Donnie
13:10	[22] Investigating the Local Structure of MoTe ₂ Using Atomic Pair Distribution Function and EXAFS Techniques.	Mr KHADKA, Sumit
13:15	[21] Fundamental Constitutive Effects of Anomalous Diffusion in Lévy Walk	BERA, Abhijit
13:20	[16] Introduction to Edge-Illumination X-ray Phase Contrast Imaging	YUAN, Jingcheng
13:30	[15] Measuring Charmed baryon to meson ratio at ALICE experiment, investigation for hadronization	SHEIBANI, Oveis
13:50	[11] Role of scattering in the prediction of simulation based optical properties of dielectric TiO ₂ nanotubular materials.	WALIGO, David
14:10	[10] Fe doping and electrochemical reconstruction in Ni _{0.2} Ni _{0.8} Mo _{0.8} N for large current density alkaline seawater electrolysis	NING, Minghui
14:30	[7] Muyuan He Atmospheric neutrino abstract	HE, Muyuan
14:50	[18] Synthesis of cubic boron arsenide single crystal with ultrahigh thermal conductivity	PAN, Fengjiao
15:10	[14] Module Readiness Tests and Data Quality Management for DUNE Near Detector	TRAN, Dat
15:30	[41] Photoacoustic laser streaming for liquid handling operations.	NONIS, Paththini Kuttige