Science Week 2024

Wednesday, 24 July 2024

Poster Session (16:30 - 19:00)

   -Conveners: Katherine Pachal

time	[id] title	presenter
16:30	[137] AI Meets Antimatter: Unveiling Antihydrogen Annihilation Positions	FERREIRA, Ashley SINGH, Mahip
16:31	[138] Dynamics of Lithium ions implanted in alpha-quartz	SPENCER, Signy
16:32	[139] In-situ Plasma Processing of 1.3 GHz ARIEL Cavities	HEDJI, Daniel
16:33	[140] Temperature Measurement of Isotope Production Targets	DEHNEL, Grace
16:34	[141] Solid Hydrogen and High Vacuum – Nuclear Physics with IRIS at TRIUMF	GORBET, Gabriel
16:35	[142] Towards Radioactive Molecular Beams at CANREB	JOSEPH, Devon
16:36	[143] Resparking the Neutron Lifetime Debate with PENeLOPE	ANTHONY, Dinel
16:37	[144] An accelerator-driven Ba+ ion source for a future neutrinoless double beta decay search in nEXO	CVITAN, Megan
16:38	[145] ARIES: The New β-Tagging Ancillary Detector at Griffin	GRIMES, Annabelle
16:39	[146] Let BOIS Steer the Beam: Bayesian Optimization for Ion Steering	GHELFI, Emma
16:40	[147] Removing Lensing Effects from Electrostatic Steerers on OLIS beams using BOIS	KATRUSIAK, Alexander
16:41	[148] Tailored RI Beams for DRAGON With Multi-Objective Bayesian Optimization	HASSAN, Omar
16:42	[149] Pioneering Quality Control in the Era of Targeted Alpha Therapy: A Microfluidic alpha sensor for pharmaceutical development and production	DCOSTA, Tahirah
16:43	[150] Application of DeepSets Machine Learning in FPGA to Improve the ATLAS L0 Global Trigger for Run4	LEONG, Kelvin
16:44	[151] Investigating TDCs for General Fusion's Time-Of-Flight Neutron Spectrometer	FATIMA, Zeest
16:45	[152] Simulating High Energy Particle Calorimeter Interactions Using 4-Partite Quantum-Assisted Variational Autoencoders	JIA, Hao
16:46	[153] The Haunted BetaNMR Beamline: Simulating Rogue Electron Emissions	TRANTER-TIFFIN, River
16:47	[154] Simulation study on optimization of liquid xenon calorimeter for the PIONEER Experiment	CORRAL, Jesus
16:48	[155] Testing Silicon Photomultipliers for Neutrinoless Double Beta Decay Experiments	ZHANG, Aileen
16:49	[156] Developing atomic manipulation techniques for (anti)hydrogen measurements in ALPHA and HAICU	PAPANDREOU, Alexis
16:50	[157] Tuning Pharmacokinetic Properties of Sulfur-Rich Macrocyclic Chelators for Complexation of Theranostic Meitner-Auger Electron Emitter Mercury-197m/g	BURGESS, Jordanne

16:51	[158] Comparing Secondary Cancer Rates between Proton Therapy and Photon Therapy	DASIUKEVICH, Peter
16:52	[159] Particulate contamination in TRIUMF linear accelerators	MAHON, Aveen
16:53	[164] Implementation of Optical Target Temperature Measurements into ISAC Experiment Control and Data Acquisition Systems (MIDAS and EPICS)	BACKES, Lucas
16:54	[165] Development of Alpha Spectrometry for Diagnostics of TAT on Cancer Cells in Vitro	SHAPIRO, Sidney

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