

Physics of fundamental Symmetries and Interactions - PSI2022

Tuesday, 18 October 2022

BBQ - Drinks & Posters - WHGA / Foyer and Tent (16:00 - 19:00)

time	[id] title	presenter
16:00	[320] Measurement of multiple scattering of positrons for the Muon Electric Dipole Moment Experiment	HUME, Timothy David
16:01	[321] Development of a novel comagnetometer for high-precision measurement of the electron's electric dipole moment using laser-cooled Fr atoms	NAGASE, Shintaro
16:02	[312] Characterisation of the simultaneous spin analyser developed for the n2EDM experiment at the Paul Scherrer Institute	Mr LEJUEZ, Anthony
16:03	[311] The precision magnetic field in the Muon g-2 Experiment at Fermilab	Prof. FERTL, Martin
16:04	[310] NOPTREX: A Neutron Optics Time-Reversal Violation Experiment	CRAWFORD, Christopher
16:05	[337] Characterization of the new Ultracold Neutron beamline at the LANL UCN facility	WONG, Douglas
16:06	[224] The 2s-1s transition in muonic atoms and atomic parity violation	WAUTERS, Frederik
16:08	[307] Measurements of the UCN energy spectra and their time evolution in a large storage volume	ROZPEDZIK, Dagmara
16:09	[303] Storage and Guide Tests at SUN2 for PanEDM	FILTER, Hanno
16:10	[302] Neutron Pendellösung interferometry to search for exotic interactions	FUJIE, Takuhiro
16:11	[300] Charged Lepton Flavour Violation in the Symmetry-Protected Type-I Seesaw	KIRK, Fiona
16:12	[299] muCool: A novel low-energy muon beam for precision experiments	LOSPALLUTO, Giuseppe
16:13	[298] Low-energy effective field theory below the electroweak scale: one-loop renormalization in the 't Hooft-Veltman scheme	NATEROP, Luca
16:14	[296] Next Generation Active Magnetic Shielding for n2EDM experiment at PSI.	BONDAR, Vira
16:15	[295] Current Status for the search of time-reversal symmetry violation using compound nuclear reactions	Mr ENDO, Shunsuke
16:16	[294] Microcalorimetric high-resolution spectroscopy of muonic lithium	VON SCHOELER, Katharina
16:17	[292] Pseudoscalar pole contributions to the muon g-2 from lattice QCD	Dr KANWAR, Gurtej KANWAR, Gurtej
16:18	[291] Cs magnetometer based current source for permanent neutron electric dipole moment measurement	Dr LI, Ren
16:19	[290] The mercury co-magnetometer in the n2EDM experiment	CHEN, Wenting
16:20	[289] Precision Cross-Calibration of the NMR calibration probes for the J-PARC Muon g-2/EDM, J-PARC MuSEUM, and FNAL Muon g-2 experiments at the ANL 4T Magnet Facility	CORRODI, Simon
16:21	[288] Cryogenic muonium beam for the LEMING experiment	ZHANG, Jesse
16:22	[286] Recovery of Photon Detection Efficiency of SiPMs in the liquid xenon detector by annealing	BAN, Sei
16:23	[284] Interferometry setup for the LEMING experiment	WADDY, Robert

16:24	[283] Spin precession in BaF: Towards a limit on the electron's electric dipole moment	MARSHALL, Virginia
16:25	[282] A muon entrance detector for the muEDM experiment at PSI	Mr NG, Jun Kai HU, Tianqi
16:26	[281] The DAQ of the Mu3e Integration Runs	KOEPPEL, Marius
16:27	[280] Multi-Objective Genetic Optimization for the High-Intensity Muon Beams at PSI	DAL MASO, Giovanni
16:28	[279] Hunting for axion-like particles with the nEDM and n2EDM experiments at PSI	ZIEHL, Nathalie
16:29	[278] Operation of Liquid Xenon Gamma-Ray Detector for MEG II Experiment Physics Run in 2022	MATSUSHITA, Ayaka
16:30	[277] Beamline Final Foci Optimisations for High Intensity Muon Beams at PSI	Dr VALETOV, Eremey
16:31	[276] Proton Structure through the Two-Photon Exchange	SHARKOVSKA, Vladyslava
16:32	[273] Overview of SuperSUN : A superthermal UCN source	CHANEL, Estelle
16:33	[272] Development of a Talbot-Lau interferometer for the measurement of the neutron electric charge	PERSOZ, Marc
16:35	[269] The MONUMENT Experiment; Ordinary Muon Capture as a benchmark for $0n\beta\beta$ -decay nuclear structure calculations	BELOV, Viacheslav
16:36	[267] The Holmes ion implanter commissioning runs	GALLUCCI, Giovanni
16:37	[266] A Boosted Decision Tree Model for the Positron Acceptance in the Muon g-2 Experiment	NG, jun kai
16:38	[265] Neutron lifetime experiment using a pulsed neutron source at J-PARC	MOGI, Takanori
16:39	[264] Improved Search for CP Violation in Ortho-Positronium Decay	Dr GEORGE, Elizabeth Dr NAVILIAT-CUNCIC, Oscar Dr VOYTAS, Paul HAUGEN, Tom-Erik
16:40	[263] qBounce: first measurement of the neutron's electric charge with a Ramsey-type GRS experiment	BOSINA, Joachim
16:41	[261] The Mu3e Cosmic Run 2022	MÜLLER, Martin
16:42	[259] Precise theory prediction for di-lepton production	KOLLATZSCH, Sophie
16:43	[258] Sympathetic cooling of highly charged ions in a Penning trap using a self-cooled electron plasma	HERKENHOFF, Jost
16:44	[257] Measurements of $n\beta p - 2s$ transitions in the hydrogen atom	SCHEIDEGGER, Simon
16:45	[256] Mapping of the magnetic field in the n2EDM experiment	SVIRINA, Kseniia Mr BOUILLAUD, Thomas
16:46	[255] Search for a permanent muon electric dipole moment at the Fermilab Muon g-2 experiment	Mr HU, Tianqi
16:47	[254] Demonstration of a multilayer-type neutron interferometer with pulsed source and nuclear scattering length measurement	MISHIMA, Kenji
16:48	[253] The (Z,A) Dependence of Muon-to-Electron Conversion	HITLIN, DAVID
16:49	[252] Measuring the free neutron lifetime with τ SPECT	Mr ENGLER, Martin Mr YAZDANDOOST, Noah
16:50	[251] Search for axion-like particles in muon decays	GURGONE, Andrea
16:51	[249] New Magnetically Shielded Room for $^3\text{He}/^{129}\text{Xe}$ co-magnetometer experiments	SCHMIDT, Ulrich

16:52	[248] Parallel plate force metrology as a tool to probe the dark sector	Dr SEDMIK, René
16:53	[246] Precision flavour and tau physics at FCC-ee	D'ENTERRIA, David
16:54	[244] Precision measurements in the beta decay of ^6He	Mr KANAFANI, Mohamad
16:55	[242] First result of pLGAD sensor, and channeling in silicon sensors	KHALID, Waleed
16:56	[241] Spectral characterization of the SUN-2 ultracold neutron source by vertical time-of-flight	NEULINGER, Thomas
16:57	[239] Update on the UCN source at PSI	DOORENBOS, Cornelis Bernardus
16:58	[238] Acceleration Effect in Quantum Mechanics and Neutron Optics	FRANK, Alexander
16:59	[236] Minimizing Magnetic Dipole Contamination in the n2EDM Experiment	KLETZL, Victoria
17:00	[235] Diffusion of $^1\mu\text{p}$ in the hyperfine-splitting experiment at PSI	NUBER, Jonas
17:01	[234] BeamEDM – A beam experiment to search for the neutron electric dipole moment	FRATANGELO, Anastasio
17:02	[233] Search for a muon EDM using the frozen spin technique at PSI	SCHMIDT-WELLENBURG, Philipp
17:03	[232] Systematic effects in the search of the muon electric dipole moment using the frozen-spin technique	DUTSOV, Chavdar
17:04	[231] A novel method of searching for spin-dependent long range force	MARIIA, Trukhanova
17:05	[230] Silicon detector for neutron beta decay measurements with PERC	LEBERT, Manuel
17:06	[229] The backscatter detector system of PERC	BERNERT, Karina
17:07	[228] Improved Standard-Model Prediction for $\mu \rightarrow e \gamma$ and Constraints on BSM Physics	HOID, Bai-Long
17:08	[227] Clathrate Hydrates as Novel Moderators for Very Cold Neutron Sources	CZAMLER, Valentin
17:09	[226] The Power Distribution System for the Mu3e Experiment	GAGNEUR, Sophie
17:10	[219] Measurement of Neutron Polarization and Transmission for the nEDM@SNS Experiment.	IMAM, Kavish
17:11	[218] κ -deformed CPT violation and its phenomenological consequences in decays and interference	WISLICKI, Wojciech
17:12	[212] The Mu3e vertex detector - prototyping, cooling, and upcoming production	RUDZKI, Thomas Theodor
17:13	[200] Improved limits on lepton-flavor-violating decays of light pseudoscalars via spin-dependent $\mu \rightarrow e$ conversion in nuclei	NOËL, Frederic
17:14	[192] Exact Two-Photon Exchange Contribution to Elastic Lepton-Proton Scattering: A Low-energy Effective Theoretical Approach	CHOUDHARY, POONAM
17:15	[209] CP violation search in nuclear beta decay: The MORA experiment at JYFL, Finland	SINGH, Abhilasha
17:17	[205] Muon flavor violation and EDM in light of muon g-2	HOU, George W.S.
17:18	[186] 7-order enhancement of the Stern-Gerlach effect of neutrons diffracting in a crystal	VORONIN, Vladimir
17:19	[185] ^3He polarization and injection system for the nEDM@SNS SOS apparatus	RAO, Thomas
17:20	[184] Implications of new physics in semileptonic $b \rightarrow c \ell \bar{\nu}_\ell$ transitions.	Ms BHATTA, AISHWARYA
17:21	[221] Searching for ^{76}Ge neutrinoless double-beta decay with GERDA and beyond	CALGARO, Sofia

17:22	[322] Neutron beta-decay studies at LANL	Dr SINGH, Maninder
17:23	[336] Resonances of exotic three-body atomic systems	SERVAIS, Jean