

The 4th J-PARC Symposium

Tuesday, October 15, 2024

PN parallel: 1 Results of the current projects - UDOM Hall (2:00 PM - 3:40 PM)

time	[id] title	presenter
2:00PM	[46] T2K status and prospect with J-PARC neutrino beam and Near detector upgrades	Dr VLADISAVLJEVIC, Tomislav
2:25PM	[47] Review of sterile neutrino search experiments	Dr LEE, Dongha
2:50PM	[48] Exploring a new form of matter containing an anti-kaon	Dr HASHIMOTO, Tadashi
3:15PM	[49] Hadron physics with primary proton beam at J-PARC high momentum beamline	MORINO, Yuhei

PN parallel: 2 Future Projects - UDOM Hall (4:10 PM - 5:50 PM)

time	[id] title	presenter
4:10PM	[51] Future High Resolution Spectroscopic Studies of Hypernuclei at J-PARC and JLab	Prof. NAKAMURA, Satoshi N.
4:35PM	[82] Hadron physics using high-momentum hadron beam at J-PARC	Dr SHIROTORI, Kotaro
5:00PM	[52] KOTO II to measure the branching ratio of $K_L \rightarrow \pi^0 \nu \bar{\nu}$	NANJO, Hajime
5:25PM	[53] Physics of J-PARC heavy-ion project	Prof. KITAZAWA, Masakiyo

Wednesday, October 16, 2024

PN parallel: 3 Basic physics with precision measurements - UDOM Hall (1:40 PM - 3:20 PM)

time	[id] title	presenter
1:40	[67] Theoretical Perspective on Flavour Physics	Prof. KITAHARA, Teppei
2:05	[68] Fundamental physics with neutrons at J-PARC	Prof. MISHIMA, Kenji
2:30	[69] J-PARC muon $g-2$ /EDM experiment	Dr FUKUMURA, Seiso
2:55	[70] The COMET Experiment Searching for Muon-to-Electron Conversion at J-PARC	Dr OISHI, Kou

PN parallel: 4 neutrino reactions and hadron physics - UDOM Hall (3:50 PM - 5:55 PM)

time	[id] title	presenter
3:50	[71] Experiments and models for neutrino-nucleus interactions in a few-GeV region	Dr KIKAWA, Tatsuya
4:15	[72] Hadron production measurements at EMPHATIC experiment	Dr DAVIES, Gavin Stuart
4:40	[73] NA61/SHINE experiment at CERN SPS	Prof. DALMAZZONE, Claire Genevieve Lucienne
5:05	[74] Recent progress and future prospects of Hadron Physics at the Belle and Belle II experiments	Dr ZOU, Shiming
5:30	[66] Molecular and exotic bound states searches with correlations at LHC	Dr MANTOVANI SARTI, Valentina

Thursday, October 17, 2024

PN parallel: 5 Technologies for Future - UDOM Hall (8:50 AM - 10:30 AM)

time	[id] title	presenter
8:50AM	[78] Recent development of semiconductor detector for particle tracking	TOGAWA, Manabu
9:15AM	[81] A GEM based TPC "HypTPC" and its upgrade with thin Glass GEM for the hadron experiment at J-PARC	Prof. ICHIKAWA, Yudai
9:40AM	[79] General-purpose trigger-less DAQ system for physics experiments	Prof. HONDA, Ryotaro
10:05AM	[80] Acceleration of ultra-slow muons using a radio-frequency quadrupole linac for the J-PARC muon g-2/EDM experiment	OTANI, Masashi

PN parallel: 6 Future Facilities and Related Topics - UDOM Hall (11:00 AM - 12:40 PM)

time	[id] title	presenter
11:00AM	[75] Deciphering neutrino oscillations and CP violation in J-PARC long-baseline neutrino oscillation experiments	AKUTSU, Ryosuke
11:25AM	[76] Fermilab High-intensity Neutrino Program: Present and Future	Dr SHARANKOVA, Ralitsa V.
11:50AM	[77] Beyond 1 MW operation of J-PARC main ring	Dr HOTCHI, Hideaki
12:15PM	[50] High Power Slow Extraction for BDF/SHiP at the CERN SPS	Dr FRASER, Matthew A.