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The 7th international conference on particle physics and astrophysics

Wednesday 23 October 2024

HEP Experiment - Petrovskiy 2 (09:50-11:30)

-Conveners: Alexey Konovalov

time	[id] title	presenter
09:50	[58] Analysis of experimental data on neutron decay for the possibility of the existence of right vector boson W_R	Prof. SEREBROV, Anatolii
10:10	[54] Multilayer SND (Scattering & Neutrino Detector) optimization for statistical analysis of tau-neutrino events using detector response	GULIAEVA, Vasilisa
10:25	[160] Latest results of searches of Higgs Boson decays into Dark Matter particles in the ATLAS experiment	POKIDOVA, Marina
10:40	[11] Dark SHINE --- Search for Light Dark Matter at the SHINE facility in Shanghai	LIU, Danning Dr. LIU, Danning
10:55	[57] Estimation of contribution of gaseous tritium source rear wall to tritium beta-spectrum in search for sterile neutrinos by Troitsk nu-mass experiment	PANTUEV, Vladislav
11:10	[19] Annihilation of lepton and hadron interactions	KOKOULINA, Elena

HEP Experiment - Petrovskiy 2 (17:00-19:05)

-Conveners: Victor Kim

time	[id] title	presenter
17:00	[139] Spin physics studies with polarized deuteron and proton beams at Nuclotron	LADYGIN, Vladimir
17:20	[148] Local Polarimetry with Beam-Beam Counters at the SPD Experiment	TEREKHIN, Arkadiy
17:35	[81] Search for Dibaryons with small energy excitation on SPD detector in NICA collider - accuracies and counting rates	KURBATOV, Vladimir
17:50	[166] Simulation of direct photons production in d+d collisions at $\sqrt{s_{NN}}=13.5$ GeV and $\sqrt{s_{NN}}=27$ GeV	SHAPAEV, Dmitry
18:05	[163] GAN for prediction of direct photons in longitudinally polarized proton-proton collisions at energy $\sqrt{s} = 27$ GeV	LOBANOV, Andrey
18:20	[305] Measurement of the ANN spin correlation parameter in elastic pp and p-p scattering reactions in the SPASCHARM experiment at U-70.	BOGDANOV, Alexey
18:35	[296] Polarization measurement of Λ - and $\bar{\Lambda}$ -hyperons formed by the interaction of K^+ - and π^+ -mesons with nuclei at the SPASCHARM facility at the U-70 accelerator	Mr. MOISEEV, Vyacheslav
18:50	[185] $K^*(892)$ meson production in 26.5 GeV/c K-minus-meson-N interactions at U-70 accelerator complex	KLAUGIN, Nikita

Thursday 24 October 2024

HEP Experiment - Petrovskiy 2 (09:30-11:30)

-Conveners: Ruslan Chistov

time	[id] title	presenter
09:30	[97] Feasibility studies of charmonia measurements at the ALICE experiment at LHC	Mr. HAMBARDZUMYAN, Yeghishe
09:45	[149] Searches for new physics in rare decays of heavy flavors at CMS	Dr. POLIKARPOV, Sergey
10:00	[152] CP violation studies at CMS	TULUPOV, Alexander
10:15	[121] Measurements of lepton flavour universality in B_c^+ meson decays	SEDELNIKOV, Aleksandr
10:30	[150] Resonant Charmonium Pair Production: A Comprehensive Review of Theoretical and Experimental Advances	DIDENKO, Alisa
10:45	[6] The upper limit on the $K^+ \rightarrow \pi^0 \pi^0 \pi^0 e^+ \nu$ decay	Mr. KULIK, Alexei
11:00	[110] Feasibility studies of open charm production in future ALICE-3 experiment at LHC-HL	MALAEV, Mikhail
11:15	[257] Open and hidden strangeness in central A+A collisions from SPS to LHC: ratios of transverse energy density at midrapidity for the identified hadrons with different strangeness content	SHAPOSHNIKOVA, Olga

HEP Experiment - Petrovskiy 2 (17:00-19:05)

-Conveners: Sergey Polikarpov

time	[id] title	presenter
17:00	[50] Charmonia production in e^+e^- annihilation at center-of-mass energies above 3.81 GeV	BAKINA, Olga
17:20	[327] Measurement of the phase difference between strong and electromagnetic amplitudes via the lineshape scan of the J/ψ resonance	BOYKO, Igor
17:35	[100] Measurement of the energy dependence of the $e^+e^- \rightarrow B\bar{B}$, $B\bar{B}^*$, and $B^{*}\bar{B}^*$ cross sections at Belle II	PRIVALOV, Sergey
17:50	[283] Measurements of the hadronic cross sections via ISR at Belle II	SHWARTZ, Boris
18:05	[308] Measurement of the inclusive branching fractions for B_s decays into D mesons	YASAVEEV, Murad
18:20	[301] Hadronic decays of excited bottomonium states at Belle and Belle II	KOVALENKO, Evgeniy
18:35	[196] Spectroscopy of beauty strange baryons at CMS	IVANOV, Kirill
18:50	[180] Study of B_c^+ decays at CMS	KOLOV, Aleksandr

Friday 25 October 2024

HEP Experiment - Petrovskiy 2 (09:15-11:00)

-Conveners: Evgeny Soldatov

time	[id] title	presenter
09:15	[15] Probing Neutral Triple Gauge Couplings via $Z\gamma(\blacksquare+\blacksquare-\gamma)$ Production at e+e- Colliders	Dr. LIU, Danning
09:30	[310] Prospects of search for CP-violating effects of neutral triple gauge couplings at the LHC	SEMUSHIN, Artur
09:45	[30] Study of neutral triple gauge couplings sensitivity to new physics manifestations using augmented vertex function approach with $Z(\bar{\nu}\nu)\gamma$ production	CHEKHONINA, Alena
10:00	[259] Separation of QCD and EWK processes of vector diboson production using machine learning algorithms with third-jet information.	ZUBOV, Dmitriy
10:15	[56] Measuring the Polarizabilities of Neutral and Charged Pions at JLab	TARASOV, Victor
10:30	[206] On the study of the muon energy spectrum in the Baikal-GVD neutrino telescope	LISITSIN, Mikhail
10:45	[75] Characteristics of EAS electron-photon and hadron components detected by the facilities of the Experimental Complex NEVOD	YUZHAKOVA, Elena

HEP Experiment - Petrovskiy 2 (11:30-13:30)

time	[id] title	presenter
11:30	[214] Machine Learning-based Neutron Reconstruction in the HGND at the BM@N experiment	BOCHARNIKOV, Vladimir
11:45	[157] Analysis of Λ -hyperon production in carbon-solid target collisions in the BM@N experiment	ALISHINA, Ksenia
12:00	[46] Study of neutron emission at large angles in Xe + CsI collisions at 3.8 A GeV	LASHMANOV, Nikita
12:15	[128] Analysis of phi meson production in the BM@N experiment	BARAK, Ramin
12:30	[174] Reconstruction of photons and neutral mesons in heavy-ion collisions with MPD at NICA	WANG, Yonghong
12:45	[132] A Monte Carlo study of the MPD performance for hyperon selection using machine learning techniques	SUVARIEVA, Dilyana
13:00	[246] Neutral meson production results in pp, p-Pb and Pb-Pb collisions in ALICE	AVERYANOV, Dmitry
13:15	[78] Performance of the Fast Interaction Trigger(FIT) detector system for global observables at ALICE in Run-3	FURS, Arthur