

LXXII International conference "Nucleus-2022: Fundamental problems and applications"

Wednesday 13 July 2022

Neutrino physics and nuclear astrophysics - Физический ф-т, ауд 5-42 (15:00-16:40)

-Convener: Евгений Широков

time	[id] title	presenter
15:00	[61] Testing of the high-energy π and K meson production by the primary cosmic protons and helium nuclei	Mr LUKYASHIN, Anton
15:20	[28] Baryon-antibaryon Asymmetry in p-p, p-A collisions and String Junction Torus as Baryonium DM	PISKUNOVA, Olga
15:40	[435] ON THE POSSIBILITY OF USING THE QUANTUM-FIELD APPROACH TO MODELING THE INTERACTION OF MATTER WITH NEUTRINOS TO STUDY THEIR ROLE IN ASTROPHYSICAL PROCESSES	PISMAK, Yury M.
16:00	[73] A modified quasiparticle model in the expansion of early universe of quark gluon plasma	KUMAR, Yogesh
16:20	[43] DETERMINATION OF PARAMETERS OF THE MODEL WITH THREE STERILE NEUTRINOS ON THE BASE OF EXPERIMENT BEST RESULTS	Dr KHRUSCHOV, Viacheslav

Neutrino physics and nuclear astrophysics - Физический ф-т, 5-42 (17:10-18:50)

-Convener: Евгений Широков

time	[id] title	presenter
17:10	[62] SYNTHESIS OF "LIGHT" HEAVY ELEMENTS UNDER EXPLOSION OF LOW-MASS NEUTRON STAR	Prof. PANOV, Igor
17:30	[221] Neutron star properties with density dependent baryonic interactions	MIKHEEV, Semyon
17:50	[326] On the stability of spherical nuclei in the inner crust of neutron stars	ZEMLYAKOV, Nikita
18:10	[331] Finite nuclei size effects in elasticity of neutron star inner crust	CHUGUNOV, Andrey
18:30	[484] Yields of the r-process in neutron star merger ejecta and its sensitivity to nuclear mass model choice	Mr NEGREBETSKIY, Vasily

Thursday 14 July 2022

Neutrino physics and nuclear astrophysics - Физический ф-т, 5-42 (15:00-16:40)

-Convener: Евгений Широков

time	[id] title	presenter
15:00	[375] Recent results of the KamLAND-Zen experiment	KOZLOV, Alexandre
15:20	[67] SIMULATION OF THE LSD RESPONSE TO THE NEUTRINO BURST FROM SN 1987A	Dr YUDIN, Andrey
15:40	[198] (α,n) and (α,ny) yield calculations with a new version of NeuCBOT for low background experiments	Dr GROMOV, Maxim
16:00	[71] MEASUREMENT OF RADON DECAYS WITH THE LVD-SETUP FOR NEUTRINO SEARCHING	Dr AGAFONOVA, Natalia

Neutrino physics and nuclear astrophysics - Физический ф-т, ауд. 5-42 (17:10-18:50)

-Convener: Евгений Широков

time	[id] title	presenter
17:10	[63] IMPLEMENTATION OF GLOBAL BETA-DECAY RATES PREDICTIONS TO ASTROPHYSICAL MODELS	Prof. PANOV, Igor
17:30	[274] Distribution on electron energy in two-neutrino double beta decay of ^{100}Mo	Mr SEMENOV, Sergei
17:50	[120] NEW RESULTS FOR DOUBLE BETA DECAY OF ^{106}Cd	RUKHADZE, NIKOLAY
18:10	[66] Search of periodical and aperiodical variations of nucleus decay parameters	MAYBUROV, Sergey
18:30	[84] Variants of intensive antineutrino sources on the base of ^8Li isotope	LYASHUK, Vladimir