

LXXIV International conference Nucleus-2024: Fundamental problems and applications

Wednesday, 3 July 2024

Neutrino physics and nuclear astrophysics: Neutrino physics - Second floor Hall (09:30 - 11:30)

time	[id] title	presenter
09:30	[18] On the possibility of the Majorana nature of neutrinos	Prof. MONAKHOV, Vadim
09:50	[60] TUNED ELECTRON-NUCLEUS RESONANCE AS A TOOL OF PRODUCING THE 229Th ISOMER	KARPESHIN, Fedor
10:10	[40] Capture of neutrinos from the accelerator by Iodine-127 nuclei	FAZLIAKHMETOV, Almaz
10:25	[100] Применение кристаллов ZnSe в калибровочных экспериментах	СЕМЕНОВ, Сергей
10:35	[78] Измерение квантинг-фактора α -частиц в теллурсодержащих жидких сцинтилляторах	SUSLOV, Ivan
10:45	[128] $\square\square\square\square(\square\square)$ scintillation neutrino detector with ultra-low energy threshold	STRIZHAK, Alexander
11:00	[166] High-energy neutrino generation at jets from supermassive black holes	PROKOPEV, Konstantin
11:15	[35] Поиск одно- и трех-нуклонных распадов ^{76}Ge в эксперименте GERDA	SMOLNIKOV, A.A.

Neutrino physics and nuclear astrophysics: Neutrino physics - Second floor Hall (12:00 - 14:00)

time	[id] title	presenter
12:00	[254] STATUS AND RESULTS FROM NUGEN EXPERIMENT AT KALININ NUCLEAR POWER PLANT	ЛУБАШЕВСКИЙ, Алексей
12:20	[243] Investigation of reactor antineutrino in the DANSS experiment	ZHITNIKOV, Igor
12:40	[288] A search for correlation of neutrino events in the Borexino detector with transient astrophysical phenomena.	UNZHAKOV, Evgeniy
13:00	[293] Search for Sterile Neutrino with the Daya Bay full dataset	ZAVADSKYI, Vitalii
13:20	[313] Classification of tau-neutrino events in the Scattering and Neutrino Detector using kinematic information	GULIAEVA, Vasilisa
13:40	[67] ACTIVE AND STERILE NEUTRINO OSCILLATIONS INSIDE THE SUN IN A PHENOMENOLOGICAL (3+1+2)-MODEL	KHRUSCHOV, Viacheslav

Neutrino physics and nuclear astrophysics: Astrophysics - Second floor Hall (15:00 - 17:00)

time	[id] title	presenter
15:00	[164] NUCLEOSYNTHESIS IN A LOW-MASS NEUTRON STAR CRUST. STRIPPING MODEL.	IGNATOVSKIY, Anton
15:15	[334] Ricci-Gauss-Bonnet gravity, cosmology, and nuclear astrophysics	Dr POKROVSKY, Yury
15:30	[245] Об особенностях гиперонных взаимодействий в нейтронных звездах	Mr MIKHEEV, Semyon
15:50	[318] Neutrino magnetic moments and high-energy neutrinos flavour composition	ПОПОВ, Artem

16:05	[321] SATURNE: Current Status and Physics Potential	Prof. KOUZAKOV, Konstantin
16:25	[41] The Signature of Neutron Fluences of the Artificial Pulse Nucleosynthesis	Dr LYASHUK, Vladimir
16:45	[357] Effects of neutrino electromagnetic properties and spin state in elastic neutrino-nucleon scattering	LAZAREV, Fedor

Neutrino physics and nuclear astrophysics: Astrophysics - Second floor Hall (17:30 - 18:40)

time	[id] title	presenter
17:30	[154] The Fayans energy-density functional in applications to neutrons stars	Dr KOLOMEITSEV, Evgeni
17:50	[126] Neutrinos from dynamo-driven supernovae	KONDRATYEV, Vladimir
18:10	[69] Crust of accreting neutron stars	CHUGUNOV, A.I.