



# LXX International conference "NUCLEUS – 2020. Nuclear physics and elementary particle physics. Nuclear physics technologies"

## Monday, October 12, 2020

### Section 5. Neutrino physics and astrophysics (3:30 PM - 7:30 PM)

time	[id] title	presenter
3:30 PM	[M49] Comprehensive geoneutrino analysis with Borexino detector data and Earth radiogenic heat.	MACHULIN, Igor
3:55 PM	[M33] $127\text{I}(\nu, e)127\text{Xe}$ reaction for solar neutrino spectrum clarification	FAZLIAKHMETOV, Almaz
4:20 PM	[M23] Experimental searches for solar axions.	DERBIN, Alexander
4:45 PM	[M98] Neutrino astrophysics with Borexino: comprehensive study of solar neutrinos	LITVINOVICH, Evgeny
5:10 PM	Coffee break	
5:25 PM	[M97] Search for low-energy Borexino's signals correlated with gamma-ray bursts, solar flares and gravitational wave events.	LOMSKAYA, Irina
5:50 PM	[M94] The DANSS neutrino spectrometer: the results of reactor antineutrino studies	MACHIKHILIYAN, Irina
6:15 PM	[M02] Nuclear inelastic scattering effect in supernova neutrino spectra	KONDRATYEV, Vladimir
6:40 PM	[M2] The Impurity Components in the $7\text{Be}$ Solar Neutrino Flux	ПОМАНОВ Ю.И., Юрий
7:05 PM	[M91] Dark Matter Search in DEAP-3600 experiment	GROBOV, Alexey

# Saturday, October 17, 2020

## Section 5. Neutrino physics and astrophysics (9:00 AM - 1:40 PM)

time	[id] title	presenter
9:00 AM	A114] Prospects of the Neutrino-4 experiment on the search for sterile neutrino	SAMOILOV, Rudolf
9:25 AM	A112] Atmospheric Neutrino Physics with JUNO	SETTANTA, Giulio
9:50 AM	A143] Hadron production measurements at NA61/SHINE for precise determination of accelerator neutrino fluxes	ILIEVA, SIMONA
10:15 AM	A116] Synthesis of p-Nuclear in Kilonova	Prof. KOPYTIN, Igor
10:40 AM	Coffee break	
10:55 AM	A117] SELF-CONSISTENT APPROACH TO NEUTRINO CAPTURE BY HEAVY NUCLEI	KOROTEEV, Grigory
11:20 AM	A105] SHAKE AS THE DETERMINING MECHANISM OF THE NEUTRINOLESS DOUBLE ELECTRONIC CAPTURE	Prof. KARPESHIN, Feodor
11:45 AM	A11] Beta Decay of Neutron in Heat Field and Neutron Anomaly	Prof. KOPYTIN, Igor
12:10 PM	Lunch break	