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# The 6th international conference on particle physics and astrophysics

## Thursday 01 December 2022

### Neutrino Physics: Session 1 - Petrovskiy 2 (10:40-13:00)

**-Conveners: Yury Kudenko**

time	[id] title	presenter
10:40	[99] The Result of the Neutrino-4 Experiment and the Cosmological Constraints on the Sterile Neutrino	SEREBROV, Anatolii
11:00	[151] Resent results from the DANSS experiment	ZHITNIKOV, Igor
11:15	[266] Measurements of the absolute reactor antineutrino energy spectrum dependence on the fuel composition	SKROBOVA, Nataliya
11:30	[264] iDREAM detector at Kalinin NPP: antineutrino signal, backgrounds and prospects	LITVINOVICH, Evgeny
11:45	[31] New nuclear reactor fissile isotopes antineutrino spectra	SINEV, Valery
12:00	[189] Determination of neutrino oscillation parameters of transitions to sterile states in the BEST-2 experiment	Dr. GORBACHEV, Valery
12:15	[8] The COHERENT experiment	KONOVALOV, Alexey
12:30	[29] Status of nuGeN experiment at Kalinin Nuclear Power Plant on coherent elastic neutrino-nucleus scattering	Dr. LUBASHEVSKIY, Alexey
12:45	[43] Exposition of the RED-100 two-phase emission detector at the Kalinin NPP for the study of coherent elastic neutrino scattering off Xenon nuclei	Dr. BOLOZDYNYA, Alexander

# Friday 02 December 2022

## Neutrino Physics: Neu Session 2 - Petrovskiy 2 (11:00-13:00)

-Conveners: **Mikhail Skorokhvatov**

time	[id] title	presenter
11:00	[149] The KamLAND-Zen experiment - a decade after the first result	KOZLOV, Alexandr
11:15	[218] Sensitivity of DarkSide-50 experiment to double K-capture on Ar-36.	LYCHAGINA, Olga
11:30	[272] Commissioning of LEGEND-200 experiment	RUMYANTSEVA, Nadezda
11:45	[193] AMoRE experiment: search for the neutrinoless double beta decay of 100Mo isotope	Dr. KORNOUKHOV, Vasily
12:00	[27] Neutrino physics in the CERN project SND@LHC	POLUKHINA, Natalia
12:15	[180] Designing a tagged neutrino beam at the U-70 accelerator complex	Mr. SINYUKOV, Roman
12:30	[183] Tagged neutrino beam in the P2O experiment	Prof. SOKOLOV, Anatoly
12:45	[47] HIGH FLUX ELECTRON ANTINEUTRINO SOURCES BASED ON LI-8 ISOTOPE. THE POSSIBILITY TO CONSTRUCT THE COMPACT VARIANT	Dr. LYASHUK, Vladimir

## Neutrino Physics: Neu Session 3 - Petrovskiy 2 (17:45-19:50)

-Conveners: **Mikhail Skorokhvatov**

time	[id] title	presenter
17:45	[102] Detection of solar neutrinos from the CNO cycle with Borexino	VISHNEVA, Alina
18:00	[72] Baksan Neutrino Observatory. Current status and future experiments.	PETKOV, Valery
18:15	[325] Baksan Large Neutrino Telescope Project	LUKANOV, Arslan
18:30	[330] Astrophysics and beyond the Standard Model of particle physics in the NOvA experiment	SAMOYLOV, Oleg
18:50	[33] Oscillations of astrophysical neutrinos in various gravitational backgrounds	DVORNIKOV, Maxim
19:05	[37] Hubble tension, dark matter and neutrino	Dr. DAS, Chitta Ranjan
19:20	[74] Flavoured leptogenesis in a minimal type-I+II seesaw mechanism	Ms. CHONGDAR, Sreerupa
19:35	[320] Resonance structure of the charge-exchange strength function of Tellurium isotopes 128 and 130.	Mr. FAZLIAKHMETOV, Almaz