

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

Monday, October 12, 2020

Plenary (9:00 AM - 2:10 PM)

-Conveners: Vladimir Zherebchevsky

time	[id] title	presenter
9:00 AM	First day connection	
10:00 AM	[M97] Conference opening	A.E. BLAGOV (NRC "KURCHATOV INSTITUTE"), V.A. MATVEEV (JINR), S.V. MIKUSHEV (SPBU), P. GIUBELLINO (GSI), V.I. ZHEREBICHEVSKY (SPBU)
10:30 AM	[M96] Синхротронно-нейтронные исследования – база нового научно-технологического прорыва Synchrotron-neutron research - the basis for a new scientific and technological leap	A.E. БЛАГОВ
11:35 AM	[M97] Ядерно-физические методы в историческом материаловедении в НИЦ "Курчатовский институт" Nuclear physics methods for cultural heritage at NRC "Kurchatov Institute"	Е.Б. ЯЦИШИНА
12:10 PM	Coffee break	
12:30 PM	[M98] Курчатовский комплекс синхротронно-нейтронных исследований: текущий статус и перспективы развития Kurchatov complex of synchrotron and neutron research: current status and prospects	Н.В. МАРЧЕНКОВ
1:05 PM	[M99] International center for neutron research based on reactor PIK.	V.V. VORONIN

Tuesday, October 13, 2020**Plenary (9:00 AM - 1:55 PM)****-Conveners: Vladimir Andrianov; Yuri Novikov**

time	[id] title	presenter
9:00 AM	[M64] HISTORY OF ONE CALENDAR DATE TO THE 80-th ANNIVERSARY OF THE DISCOVERY OF SPONTANEOUS FISSION	KHLEBNIKOV, Sergey
9:35 AM	[M34] SELF-CONSISTENT APPROACH TO BETA-DECAY OF NEUTRON-RICH NUCLEI	BORZOV, Ivan
10:10 AM	[P02] DERICA project: Dubna Electron – Radioactive Ion Collider facility	Prof. GRIGORENKO, Leonid
10:45 AM	[M41] TERMONUCLEAR EXPLOSIONS AND NUCLEOSYNTHESIS OF HEAVY ELEMENTS	Prof. LUTOSTANSKY, Yuri
11:20 AM	Coffee break	
11:35 AM	[M04] Status and Prospects of Jiangmen Underground Neutrino Observatory	GARFAGNINI, Alberto
12:10 PM	[P09] Project KATRIN first result on the neutrino mass.	Dr TITOV, Nikita
12:45 PM	[P71] Search for neutrinoless double beta decay with GERDA	SALAMIDA, Francesco
1:20 PM	[M0] Physics and astrophysics of ultra-high energy cosmic rays: recent results from the Pierre Auger Observatory	Prof. DE MELLO NETO, Joao

Wednesday, October 14, 2020**Plenary (9:00 AM - 1:55 PM)****-Conveners: Grigori Feofilov**

time	[id] title	presenter
9:00 AM	[159] PHENIX Highlights	Mr MITRANKOV, Iurii
9:35 AM	[176] STAR recent results on heavy-ion collisions.	APARIN, Alexey
10:10 AM	[110] Recent results from NA61/SHINE strong interaction programme	KOWALSKI, Seweryn
10:45 AM	Coffee break	
11:00 AM	[138] Highlights from the ALICE experiment at the LHC	FRAGIACOMO, Enrico
11:35 AM	[195] ALICE Upgrade for Run 3 and 4 at the CERN LHC	TRZASKA, Wladyslaw Henryk
12:10 PM	[143] NEW INNER TRACKING SYSTEM (ITS) FOR OPEN CHARM DIRECT MEASUREMENTS BY ALICE AT THE LHC: STATUS AND PERSPECTIVES	Dr FEOFILOV, Grigoriy
12:45 PM	[217] Latest results on (anti-)hypernuclei production at the LHC with ALICE	BORISSOV, Alexander
1:20 PM	[109] Overview of recent Heavy Ion results from CMS experiment	EVDOKIMOV, Olga

Thursday, October 15, 2020

Plenary (9:00 AM - 1:20 PM)

-Conveners: Vladimir Kovalenko

time	[id] title	presenter
9:00 AM	P149 [M49] SPECTROSCOPIC FACTORS: MEASURABILITY AND OBSERVABILITY	BLOKHINTSEV, Leonid
9:35 AM	P119 [M19] Phase transitions in atomic nuclei	JOLOS, R.V.
10:10 AM	P172 [M72] PHYSICAL CRITERIA OF DATA RELIABILITY AND SYSTEMATIC UNCERTAINTIES OF PHOTONEUTRON REACTION CROSS SECTIONS	VARLAMOV, Vladimir
10:45 AM	Coffee break	
11:00 AM	P167 [M67] Investigation of reaction cross section for beam of ^8Li , ^8He on ^{28}Si , ^{59}Co , ^{181}Ta targets	SAMARIN, Viacheslav
11:35 AM	P167 [M67] COMPTON IONIZATION OF ATOMS NEAR THRESHOLD AS A METHOD OF SPECTROSCOPY OF OUTER SHELLS	Prof. POPOV, Yury
12:10 PM	P174 [M74] MECHANISMS OF MULTY-STAGE NUCLEAR DECAYS WITH TAKING INTO ACCOUNT REAL AND VIRTUAL STATES OF INTERMEDIATE NUCLEI	KADMENSKY, Stanislav Georgievich
12:45 PM	P171 [M71] Nuclear response at zero and finite temperature	Dr LITVINOVA, Elena

Friday, October 16, 2020**Plenary (9:00 AM - 2:35 PM)****-Conveners: Vladimir Zherebchevsky; Alexandr Andrianov**

time	[id] title	presenter
9:00 AM	[M13] Observation of sterile antineutrino oscillation in Neutrino-4 experiment at SM-3 reactor	SEREBROV, Anatolii
9:35 AM	[M3] New nuclear physical phenomenon - spontaneous nuclear synthesis	YUSHKOV, Alexander
10:10 AM	[M8] Cancer and European Network for Light Ion Hadron Therapy (ENLIGHT)	Prof. DOSANJH, Manjit
10:45 AM	[M1] New radionuclides for personalized medicine (theranostics)	Dr ZHEREBCHEVSKY, Vladimir
11:20 AM	Coffee break	
11:40 AM	[M3] Strong Interactions and the Emergence of Mass	Prof. ROBERTS, Craig
12:15 PM	[M1] MODIFICATION OF HADRON PROPERTIES IN A DENSE AND HOT BARYONIC MATTER	Dr MUSULMANBEKOV, Genis
12:50 PM	[M0] The Neutral Pion Radiative Width Measurement: Results from PrimEx (Jlab)	Dr LARIN, Ilya Dr TARASOV, Victor
1:25 PM	[M53] HAWKING RADIATION FROM STRANGE QUARK NUGGETS, RELICS OF THE QCD PHASE TRANSITION	SINHA, Bikash
2:00 PM	[M2] Nuclear physics in medicine: present and prospects	Prof. CHERNYAEV, Alexander