

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

Friday 15 July 2022

Design and development of charged particle accelerators and ionizing radiation sources - Физический ф-т, ауд. 5-42 (10:00-11:40)

-Conveners: Vasiliy Shvedunov

time	[id] title	presenter
10:00	[436] COMPTON GAMMA-RAY SOURCE BASED ON 500 MEV ELECTRON ACCELERATOR: UNIQUE PARAMETERS AND POSSIBLE APPLICATIONS	KUZNETSOV, Aleksander
10:20	[313] Compton X-ray source based on 50-MeV accelerator and its applications	Dr ARTYUKOV, Igor
10:40	[339] HIGH-POWER ELECTON ACCEERATORS FOR THE PRODUCTION OF MEDICAL RADIOISOTOPES	ERMAKOV, Andrey
11:00	[223] The experimental research of cyclotron DC-280 work	SEMIN, Vasilii
11:20	[477] ELECTRON ACCELERATOR FOR NEUTRON THERAPY AND RADIOISOTOPES PRODUCTION	Dr KURACHENKO, Yu.A.

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-Conveners: Vasiliy Shvedunov

time	[id] title	presenter
12:10	[92] LUE-200 ACCELERATOR – THE DRIVER OF THE PULSE RESONANCE NEUTRON SOURCE IREN	Dr SUMBAEV, Anatoly
12:30	[356] Electron accelerators design and construction at Lomonosov Moscow State University	KHANKIN, Vadim
12:50	[357] Continuous-wave electron linacs for science and industry	YUROV, Dmitry
13:10	[426] Energy conversion in electronically controlled discrete ion-plasma dynamics installations	Mr RADENKO, Vitaly Mr CHIPURA, Alexander
13:30	[117] Biological protection calculation of the electron accelerator MT-25 FLNR JINR by using FLUKA software package	BOLATKAZYEV, Yeldos

Design and development of charged particle accelerators and ionizing radiation sources - Физический ф-т, ауд. 5-42 (15:00-16:40)

-Conveners: Vadim Khankin

time	[id] title	presenter
15:00	[226] NMR-BASED INJECTION FIELD MEASUREMENT SYSTEM FOR MEDICAL PROTON SYNCHROTRON	BELIKHIN, Mikhail
15:40	[93] THE OPERATIONAL METHOD FOR CALCULATING THE BIOLOGICAL PROTECTION OF LOW-ENERGY HEAVY ION ACCELERATORS	KABYTAYEVA, Raushan

16:00	[235] 4 MeV ENERGY PROTONS FOCUSING BY DIELECTRIC CAPILLARY IN THE AIR	Ms KANTSEROVA, K. E. Mr KARPOV, I. A.
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(17:10-18:50)**

-Conveners: Vadim Khankin

time	[id] title	presenter
17:10	[121] Non-destructive measurement of detailed transverse beam distribution with the use of an ionization monitor	Mr TIMOSHENKO, Konstantin
17:30	[234] EMISSION NANOSTRUCTURE SOURCES IN MULTI-WIRE PROPORTIONAL CHAMBERS WORKING AT LHC	Mr GAVRILOV, G. E.
17:50	[437] MODELLING OF ION TRANSFER PROCESSES IN A MAGNETO-OPTICAL SYSTEM OF SOLENOIDS AND MAGNETIC QUADRUPOLE LENSES WITH DISCRETE FLOW COMPACTION	ВАСИЛЬЕВ, Илья BAGROV, Aleksandr
18:10	[292] ALGORITHMS FOR DESIGNING POWERFUL MULTICAVITY KLYSTRONS	IVANOV, Valentin