

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

Tuesday 12 July 2022

Nuclear technology and methods in medicine, radioecology. - НИИЯФ, 19к, ауд. 2-15 (10:00-11:40)

time	[id] title	presenter
10:00	[323] Современные возможности ядерной медицины в кардиологии	Prof. MATSKEPLISHVILI, Simon
10:20	[464] ACTUAL NUCLEAR MEDICINE PROBLEMS IN PEDIATRICS	Dr NARKEVICH, B.Ya.
10:40	[465] ADVANCED HADRON THERAPY TECHNOLOGIES BASED ON THE BINARY NUCLEARPHYSICS METHODS	Dr ZAVESTOVSKAYA, I. N.
11:00	[421] Analysis of cell response to ultrahigh dose-rate proton irradiation	AKULINICHEV, Sergey
11:20	[475] DEVELOPMENT OF THE SPECIALTY "MEDICAL PHYSICS" IN THE REPUBLIC OF BELARUS	Dr TARUTIN, I.G.

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time	[id] title	presenter
12:10	[478] RADIOACTIVE PARTICLES TRANSPORT AND ABSORBED DOSES DISTRIBUTION IN THE RATS' GASTROINTESTINAL TRACT	Dr KURACHENKO, Yu.A.
12:30	[439] DIAGNOSTIC REFERENCE LEVELS IN NUCLEAR MEDICINE IN RUSSIAN FEDERATION	Dr CHIPIGA, Larisa Dr VODOVATOV, Aleksandr
12:50	[457] THE PIPLAN2021 PROTON AND CARBON ION RADIATION THERAPY TREATMENT PLANNING SYSTEM	Dr DEGTYAREV, Igor
13:10	[240] New approaches to the modernization of technologies for radiation sterilization of bioimplants	Prof. ROZANOV, Vladimir
13:30	[486] THE STATUS OF FOOD IRRADIATION RESEARCH IN LOMONOSOV MOSCOW STATE UNIVERSITY	Dr BLIZNYUK, Ulyana

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time	[id] title	presenter
15:00	[466] DEVELOPMENT OF FAST NEUTRON THERAPY TPS	Dr MOISEEV, A. N.
15:20	[407] DEVELOPMENT OF SIMPLE TREATMENT PLANNING SYSTEM BASED ON TOPAS MC GEANT4 CODE FOR FAST NEUTRON IRRADIATION	TRUSHIN, Maksim
15:40	[341] THE DOSIMETRY OF FLASH PROTON BEAMS	YAKOVLEV, Ivan
16:00	[178] SIMULATION THE EFFECT OF 11B ISOTOPE ON THE PROTON AND ALPHA PARTICLE DOSE DISTRIBUTIONS USING MONTE CARLO METHOD	Mr ABDUVALIEV, Azizbek
16:20	[360] Simulation of the proton beam facility at INR RAS using the TOPAS program	MERZLIKIN, Grigorii

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time	[id] title	presenter
17:10	[463] ADAPTIVE RADIATION THERAPY METHOD USING CONE BEAM COMPUTED TOMOGRAPHY	Dr LISOVSKAYA, A.
17:30	[467] Determination of treatment efficiency of head-and-neck cancer based on TCP model	Dr SUKHIKH, E.S.
17:50	[473] VERIFICATION PHANTOMS FOR DYNAMIC RADIOTHERAPY PLANS	Dr PETKEVICH, M.N.
18:10	[368] COMPARATIVE ANALYSIS OF DOSIMETRIC PLANS WITH SIMULTANEOUS DOSE ESCALATION FOR PROSTATE TUMORS IN THE APPLICATION OF BIOLOGICAL AND PHYSICAL OPTIMIZATION FUNCTIONS	Ms SELIKHOVA, Ekaterina
18:30	[474] MEASURING THE RADIATION YIELD COEFFICIENTS OF SMALL FIELDS WITH IBA DETECTORS	Dr PISKUNOV, V.S.

Thursday 14 July 2022

Nuclear technology and methods in medicine, radioecology. - НИИЯФ, 19к, ауд. 2-15 (15:00-16:40)

time	[id] title	presenter
15:00	[460] THE METHOD FOR VISUALIZATION QUALITY ASSESSING FOR THE OBJECTS IN POSITRON EMISSION TOMOGRAPHY IMAGES	Dr EMELIANENKO, E.V.
15:20	[369] Evaluation of impact of injected activity of 18F-FDG on the PET image quality	PETRYAKOVA, Anastasia
15:40	[306] DIFFUSION DATA OF MAGNETIC RESONANCE TOMOGRAPHY FOR DIAGNOSTICS AND STEREOTACTIC RADIOTHERAPY OF INTRACRANIAL PATHOLOGY	POMOZOVA, Kseniia
16:00	[485] ASSESSMENT OF THE EFFECT OF DISTORTION OF MAGNETIC RESONANCE IMAGING IMAGES ON THE PLANNING OF RADIATION THERAPY	Ms MYAEKIVI, I. V.
16:20	[310] DEVELOPMENT OF A METHOD FOR MONITORING THE ABSORBED DOSE IN PHOTON RADIATION THERAPY	SINELNIKOV, Artemii

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time	[id] title	presenter
17:10	[207] Investigation of the features of bone implants surface condition during combined radiation sterilization	NIKOLAEVA, Nadezhda
17:30	[195] STUDY OF DOSE TRANSMISSION FROM A MULTIPLE COLLIMATOR ON VARIAN HALCYON AND VARIAN TRUEBEAM STX LINEAR ACCELERATORS	MOROZOVA, Elena
17:50	[249] ESTIMATION OF THE CONTRIBUTION OF SECONDARY NEUTRONS TO THE ABSORBED DOSE DURING THE OPERATION OF MEDICAL LINAC	SHCHERBAKOV, Alexey
18:10	[222] INCREASING THE UNIFORMITY OF RADIATION TREATMENT UNIFORMITY OF OBJECTS USING MODIFIER PLATES	Mr STUDENIKIN, Felix
18:30	[206] Impact of accelerated electrons on the chemical parameters of chilled meat over long-term storage	IPATOVA, Victoria

Friday 15 July 2022

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time	[id] title	presenter
10:00	[126] Advantages and Disadvantages of Timepix detector for SPECT/CT	ROZHKOVA, Vladislav
10:20	[105] SIMULATION OF ELECTRON DOSE DISTRIBUTION IN TISSUE EQUIVALENT LAYERS OF MULTILAYER IONIZATION CHAMBER	Mr LIFANOV, Michael
10:40	[203] Software for Processing and analyzing data for detectors of the Medipix family	LAPKIN, Aleksandr
11:00	[454] MAPbBr ₃ -BASED RADIATION DETECTOR	Dr ZAITOV, M. T. R.
11:20	[335] STUDY OF DOSE DELIVERY FOR TOTAL BODY IRRADIATION ON TOMOTHERAPY USING EXIT DETECTOR DATA	TOVMASIAN, Diana

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time	[id] title	presenter
12:10	[138] SPATIAL DISTRIBUTION OF ATMOSPHERIC AEROSOL DEPOSITION MEASURED WITH ⁷ Be AS A TRACER AND MOSSES AS A SAMPLING MEDIUM	KRMAR, Miodrag
12:30	[294] STUDY OF VOLUMETRIC ACTIVITY OF RADON IN AQUATIC MEDIUM BY METHOD LIQUID-SCINTILLATION SPECTROMETRY	Mrs ИГНАТЬЕВА, Галина
12:50	[468] DOSIMETRIC INDICATORS OF ULCERATIVE-NECROTIC LESIONS OF THE DIGESTIVE TRACT OF MONOGASTRIC ANIMALS WITH INCORPORATED "HOT" RADIOACTIVE PARTICLES	Dr SHAPOVALOV, S.
13:10	[189] STUDY OF TIKHONOV REGULARIZATION IN SPECTRA RECONSTRUCTION	Mr NIKITCHENKO, Alexander
13:30	[251] INCREASING IRRADIATION UNIFORMITY AT INDUSTRIAL ELECTRON ACCELERATORS	ZOLOTOV, Sergey

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time	[id] title	presenter
15:00	[364] Photonuclear method of ¹⁶¹ Tb production	FURSOVA, Nadezhda
15:20	[414] PHOTONUCLEAR METHOD FOR THE PRODUCTION OF MEDICAL RADIOISOTOPE ⁷² AS	RASULOVA, Fazilat
15:30	[415] PRODUCTION OF MEDICAL RADIONUCLIDE ⁸² Rb USING PHOTONUCLEAR REACTIONS	RASULOVA, Fazilat
15:40	[420] ²¹² Pb: Production and Applications	KOKOV, Konstantin
15:50	[422] Laboratory Generator for ²¹² Pb Production	KOKOV, Konstantin
16:00	[327] NASOLACRIMAL DUCTS PHARMACOSAFETY OF ¹³¹ -IODINE	TRUKHIN, Alexey
16:20	[462] RADIATION SOURCE CHARACTERISTICS ANALYSIS DURING BRACHYTHERAPY WITH THE RING APPLICATOR FOR DIFFERENT IRRADIATION PLANS	Dr KOZLOVSKY, D.I.