

LXXI International conference "NUCLEUS – 2021. Nuclear physics and elementary particle physics. Nuclear physics technologies"

Monday, 20 September 2021

Section 8. Nuclear medicine (13:35 - 15:40)

-Conveners: Nikolai Maltcev

time	[id] title	presenter
13:35	[91] Development of new methods for medical radionuclide production for radioisotope complex at NRC "KI" - PNPI	PANTELEEV, Vladimir
14:00	[20] STUDY OF DOSE TRANSMISSION IN A MULTILEAF COLLIMATOR ON A VARIAN HALCYON ACCELERATOR	MOROZOVA, Elena
14:25	[201] STUDY OF DOSE-ENHANCING AGENTS ON BREMSSTRAHLUNG PHOTONS FROM SL75-5MT MEDICAL ACCELERATOR	SKORKIN, Vladimir
14:50	[180] Enhanced production cross sections of $\{^{123,124,126,128}\text{I}\}$ via incomplete fusion reactions: scope in nuclear medicine	DAS, Pragya
15:15	[172] 3D visualization of radiotracers for SPECT imaging using a Timepix detector with a coded aperture	ROZHKOV, Vladislav

Friday, 24 September 2021**Section 8. Nuclear medicine (13:00 - 17:00)****-Conveners: Andrey Seryakov**

time	[id] title	presenter
13:00	[58] INFLUENCE OF A COMPLEX SHAPE OF AN OBJECT ON UNIFORMITY OF DOSE DISTRIBUTION	Mr ZOLOTOV, Sergey
13:25	[334] Calculation of doses from secondary neutrons during operating medical linac	Mr SHCHERBAKOV, Alexey
13:50	[260] THE USE OF ANNIHILATION PHOTONS AS A METHOD FOR DOSE DISTRIBUTION CONTROL IN PHOTON BEAM RADIATION THERAPY	SINELNIKOV, Artemii
14:15	[241] Study of the distortion of images of MRI scanners	MYAEKIVI, Irina
14:40	Coffee break	
14:55	[259] Calculation of specific absorbed fractions in body using Monte-Carlo simulations	VIARENICH, Kiryl
15:20	[64] Model analysis of dose distribution in a bone implant during radiation sterilization	KHUTSISTOVA, Alana
15:45	[177] Cone beam computed tomography research on Leksell Gamma Knife Icon.	Mrs BANNIKOVA, Irina
16:10	End of session	