

LXXIV International conference Nucleus-2024: Fundamental problems and applications

Tuesday, 2 July 2024

Applications of nuclear methods in science, technology, medicine and radioecology: Radiation therapy - Conference Hall (09:30 - 11:30)

time	[id] title	presenter
09:30	[77] Increasing The Accuracy Of Dose Delivery To CTV During PBS Proton Therapy	KISELEV, Vasilii
09:45	[150] RESEARCH OF THE FLASH EFFECT AT THE PROTON ACCELERATOR OF INR RAS	AKULINICHEV, Sergey
10:00	[329] ASSESSMENT OF SOME UNACCOUNTED CONTRIBUTIONS TO THE ABSORBED DOSE DURING RADIATION THERAPY	SHCHERBAKOV, Alexey
10:15	[171] Эксперименты по облучению биологических моделей в протонном пучке	YAKOVLEV, Ivan
10:30	[332] Technological state and prospects of production of modern X-ray diagnostic systems	Mr POPOV, Andrey Mr SOSNOV, Dmitry
10:45	[192] Анализ клеточной гибели и пролиферативной активности клеточных культур при облучении протонами в режиме флэш	Mrs MARTYNOVA, Valeriia
11:00	[231] CONTRIBUTION OF PHOTOELECTRIC EFFECT TO THE DOSE ENHANCEMENT FACTOR IN PHOTON ACTIVATION THERAPY	RASULOVA, Dildora
11:15	[267] DOSES OF INTERNAL HUMAN RADIATION FROM RADON DURING HEATING OF RESIDENTIAL BUILDINGS WITH NATURAL GAS IN THE CONDITIONS OF THE NORTH	PETROVA, Kristina

Applications of nuclear methods in science, technology, medicine and radioecology: Detectors/Therapy - Conference Hall (12:00 - 14:00)

time	[id] title	presenter
12:00	[168] SILICON PIXEL SENSORS FOR DETERMINATION OF CHARACTERISTICS OF PROTON BEAMS IN THE ENERGY RANGE 100 – 1000 MeV FOR THEIR USE IN TRACKING DETECTORS	PETROV, Vitalii
12:15	[170] Оценка точности дозиметрии протонов с плёночными детекторами	MERZLIKIN, Grigorii
12:30	[172] Позиционно-чувствительный черенковский монитор мощных пучков протонов	GAVRILOV, Yuri
12:45	[324] Study of the yield of positron emitters after irradiation with 100 and 200 MeV protons of natural calcium targets	Mr ADONYEV, Stepan
13:00	[315] Measurement of the Photo-peak Efficiency and Covariance Analysis of γ -Ray Detectors of TANGRA Project using ^{22}Na , ^{60}Co , ^{133}Ba , ^{137}Cs , ^{152}Eu , ^{228}Th and Comparison with the Geant4 and MCNP Simulation.	Dr DAS, Pretam Kumar
13:15	[284] Determination of the Parameters of Prototype of "Gamma" Installation at the IREN Facility	YERGASHOV, Almat

13:30	[59] Project BECQUEREL at portal of nuclear knowledge BeINET	Dr SYTOVA, Svetlana
13:45	[102] Estimation of biological protection at the new cyclotron complex DC-140 using Monte Carlo method	BOLATKAZYEV, Yeldos

Applications of nuclear methods in science, technology, medicine and radioecology: Radiation technologies/Radioecology - Conference Hall (15:00 - 17:00)

time	[id] title	presenter
15:00	[259] Dosimetric planning of radiation treatment of bio-objects and materials	ZOLOTOV, Sergei
15:15	[208] STUDY OF THE RADIOECOLOGICAL SITUATION AT THE SITES OF EMERGENCY UNDERGROUND NUCLEAR EXPLOSIONS IN THE 70S IN YAKUTIA	Dr MAMAEVA, Sargylana
15:30	[145] THE EFFECT OF X-RAY RADIATION AND ACCELERATED ELECTRONS ON POTATO YIELD	CHULIKOVA N.S., Чуликова
15:45	[244] APPLICATION OF COMBINED RADIATION TECHNOLOGIES FOR STERILIZATION OF CULTURAL HERITAGE ARTIFACTS	NIKOLAEVA, Nadezhda
16:00	[158] Определение тормозной способности ионов углерода в органических соединениях при помощи ядер отдачи	TIMOFEY, Bobrovskiy
16:15	[235] PROSPECTS AND DIRECTIONS FOR IMPROVING RADIATION STERILIZATION TECHNIQUES	Ms KHUTSISTOVA, Alana
16:30	[322] New beam dynamics simulation for the updated coil design of MSC230 cyclotron for medical-biological research	SEDOV, Leonid
16:40	[33] ИЗМЕРЕНИЕ КОНЦЕНТРАЦИИ АЛЬФА-ИЗЛУЧАЮЩИХ НУКЛИДОВ В РАСТВОРАХ С ПОМОЩЬЮ АЛЬФА-СПЕКТРОМЕТРИИ	ERSHOV, Konstantin

Applications of nuclear methods in science, technology, medicine and radioecology - Conference Hall (17:30 - 19:20)

time	[id] title	presenter
17:30	[331] PROGRAM FOR QUICK CALCULATION OF ABSORBED DOSE DISTRIBUTION BY DEPTH IN HOMOGENEOUS OBJECTS	STUDENIKIN, Felix
17:50	[333] Chemical transformations of volatile organic compounds in animal-derived products after irradiation	IPATOVA, Victoria
18:05	[353] Optimization of radiation treatment of biological objects	Dr BLIZNYUK, Ulyana
18:20	[70] Механизм уточнения энергетических потерь ионов в области низких энергий с помощью измерения эффекта Доплера	GRACHKOV, Alexey
18:35	[220] Performance of the Mass Testing Setup for Arrays of Silicon Photomultipliers in the TAO Experiment	РЫБНИКОВ, Арсений
18:50	[247] Evolution of the neutron spectrum during propagation of the neutron flux in solid bodies	KHLIUSTIN, Denis
19:05	[355] Monte Carlo Simulation Techniques in Radiation Dosimetry: Advancements and Applications	ASHUROV, Sindorjon