

Session Program

20-25 Sept 2021

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

Poster session (Mixed)

Monday 20 September

18:05

Poster session (Mixed): Nuclear medicine, study of cultural heritage, plasma physics, neutrino and astrophysics

Poster Session | Convener: Nikita Prokofiev

Study of the silvering process of ancient Roman coins using nuclear-physical methods and complementary techniques

Speaker

Dr Evgeny Sozontov

STRONTIUM ISOTOPE EVIDENCES

Speaker

Mr NARAYAN PRASAD AGARWAL

SIMULATIONS EXAMINE PERFORMANCE OF PURE BORON, BORON CARBIDE, HIGH-DENSITY CARBON AND BORON NITRIDE ABLATORS—THE MATERIAL

Speaker

Mr NARAYAN PRASAD AGARWAL

ION CHANNELS AND NUCLEAR PORE CHANNEL GATING

Speaker

Mr Narayan Prasad Agarwal

Generation of radiation effects from high-energy gamma quanta during irradiation of biological objects at the medical linear accelerator ELEKTA AXESSE

Speaker

Mirgul Bigeldiyeva

Influence of high-energy proton and gamma-radiation on DNA structure in solution

Speaker

Sofia Paston

Investigation of the effect of fixation devices on dose delivery in radiation therapy of head tumors.

Speaker

Mr Georgii Smirnov

Simulation of Prompt Gamma Imaging in Hadron Therapy

Speaker

Sergei Nemnyugin

THE LEVEL OF THE URANIUM, RADIUM, AND OTHERS RADIONUCLIDES CONCENTRATION IN OBJECTS OF ENVIRONMENT AND BIOOBJECTS IN POWERFUL INDUSTRIAL CENTER

Speaker

Mikola Dykyi

Topology of distribution of natural radioactivity on the surface of the human body

Speaker
Yuliya Zaripova

Precision measurements of ^{144}Ce - ^{144}Pr beta-spectra with Si(Li)-spectrometer

Speaker
Prof. Alexander Derbin

Sensitivity of r-process simulation to choice of the mass model

Speaker
Vasily Negrebetskiy

20:00