

Session Program

20-25 Sept 2021

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

***Poster session (Experimental and theoretical
studies of the properties of atomic nuclei)***

Tuesday 21 September

18:00

Poster session (Experimental and theoretical studies of the properties of atomic nuclei)

Poster Session | Convener: Egor Zemlin

Nucleon density profiles and nucleus-nucleus interaction potential

Speaker

Mr Makar Simonov

Diffraction processes in elastic scattering of ^{16}O by medium nuclei

Speaker

Dr Vyacheslav Dyachkov

Alpha decay characteristics of superheavy elements

Speaker

Ivan Mostakov

Study of ground states of $^{13,14}\text{C}$, $^{13,14}\text{N}$, ^{14}O nuclei by Feynman's continual integrals

Speaker

Viacheslav Samarin

Collisional quenching of the pionic helium long-lived states

Speakers

Dr Grigoriy Korenman, Sergey Yudin

THE ALIGNMENT OF THE ^{16}O (3^{-} ; 6.131 MeV) NUCLEUS FORMED IN SOME NUCLEAR REACTIONS AT $E_x \approx 7.5$ MeV/NUCLEON

Speaker

Natalia Zelenskaya

CALCULATIONS OF THE OCTOPOLE DEFORMATION OF RADIUM AND THORIUM ISOTOPES IN THE HARTREE-FOCK-BOGOLYUBOV APPROXIMATION WITH SKYRME FORCES

Speaker

Vyacheslav Tarasov

STRUCTURE OF LEVELS AND ELECTROMAGNETIC TRANSITION RATES IN ODD-ODD NUCLEI CLOSE TO DOUBLY-MAGIC NEUTRON DEFICIENT ^{100}Sn

Speaker

Vadim Isakov

THE INFORMATION SYSTEM MASCA FOR CALCULATION AND GRAPHICAL REPRESENTATION OF ATOMIC MASSES, BINDING ENERGIES OF NUCLEI, ENERGIES OF SEPARATIONS AND NUCLEAR DECAYS, ENERGY THRESHOLDS OF NUCLEAR REACTIONS

Speaker

I.A. Mitropolsky

20:00