

Session Program

15–19 Apr 2019

**The XXIII International Scientific Conference of Young
Scientists and Specialists (AYSS-2019)**

Poster session

LIT, JINR

Tuesday 16 April

17:00

Poster session

Poster Session | Location: House of Scientists, Cafe | Convener: Mr Anton Dolzhikov

Preparation of the data for further CNN training to atomized and optimized histological researches

Speaker

Inna Kolesnikova

Numerical analysis of the particle scattering at finite temperature

Speaker

Любовь Голяткина

Measuring the optical characteristics at the Baikal Neutrino Telescope site

Speaker

Ms Tokzhan Orazgali

Investigation of damages in Y3Fe5O12 single crystals irradiated with swift heavy ions using Raman spectroscopy

Speaker

Alisher Mutali

Temperatures of entrance window and target operating at high intensive heavy ion beams in the future experiments on synthesis of superheavy nuclei

Speaker

Mr Dastan Ibadullayev

Measurements of the spatial resolution of the first straw tube prototype for SHiP Spectrometer Tracker

Speaker

Mr Andrew Zelenov

Interaction of ^{11}Li and ^9Be in the framework of the time-dependent Schrodinger equation

Speaker

Mr Aidos Azhibekov

Optimum Relaxation Factor for the SOR Method Applied to 9-point Laplacian

Speaker

Mr Alexander Ayriyan

Radionuclide vectors for radioactive gas-aerosol releases of NPPs with WWER and PWR power units

Speaker

Ms Angelina-Nataliya Vukolova

Radiation-induced long period changes of hippocampal neurons in rats

Speaker

Dr Lalkovicova Maria

Determination of the content of major and trace elements in sedimentary rocks based on instrumental neutron activation analysis

Speaker

Mr Fuad Aliyev

CALIBRATION OF THE NEUTRON MONITOR**Speaker**

Mrs Aidana Assylova

Properties of self-assembled gels formed by crosslinked hydrophilic polymer and surfactant wormlike micelles**Speakers**

Ms Anna Aleshina, Mr Anton Makarov

Determination of the total efficiency of registration of reaction products at the MASHA setup**Speaker**

Ms Eleonora Kudaibergenova

Study of archaeological object by neutron resonance capture analysis**Speaker**

Ms Saltanat Mazhen

DEVELOPMENT AND MANUFACTURE OF A MUON DETECTOR.**Speaker**

Ruslan Marzhokhov

Investigation of the response of PRISMA-32 and URAN facilities to single hadrons using their models**Speaker**

Zarina Izhbulyakova

Effect of neutron excess on the single-particle structure of silicon and sulfur isotopes**Speaker**

Mr Ilya Dashkov

The possibilities of neutron diffraction to study lipid membranes**Speaker**

Mrs Aru Nurkasova

The magnetic properties of intermetallic cobalt compounds under high pressure**Speaker**

Mr Anton Rutkauskas

Determination of the chemical composition of medieval ceramic vessels found in Bolgar using the neutron activation analysis**Speaker**

Ms Ayazhan Zhomartova

Forward-backward asymmetry in processes of electron-positron annihilation into a pair of charged pseudoscalar mesons**Speaker**

Mrs Gulnazym Seilkhanova

STRUCTURE OF THE CARRIER-DRUG SYSTEMS BASED ON FULLERENE**Speaker**

Mrs Maryna Kuzmenko

Measurement of the time of flight of charged particles using the MCP detector**Speaker**

Dauren Aznabayev

Charge susceptibility in t-J-V model**Speakers**

Prof. Nikolai Plakida, Mr Tung Nguyen

Method for obtaining the hydrosols of detonation nanodiamond with particle size less than 5 nm**Speaker**

Mr Andrey Trofimuk

Investigation of changes of physical properties of Mo-Cu-Diamond material collimator irradiated with a 35 MeV proton beam**Speaker**

Mr Alexander Sluchevskiy

Uncertainty and sensitivity analysis of the ANNA critical assembly benchmark using SCALE**Speaker**

Mr Lukasz Koszuk

The facility for neutron radiography and tomography at the research reactor WWR-K**Speaker**

Kuanysh Nazarov

Carbon nanostructures for drug delivery systems**Speaker**

Mrs Assel Nazarova

Low-coherence reflectometry as the technic of random media characterisation in material science and biomedicine**Speaker**

Ms Ekaterina Ushakova

"The properties of excited states in Ni-63 populated in (n, γ) reaction"**Speaker**

Ms Ewa Adamska

Measuring of the neutron generator radiation field characteristics by activation detectors**Speaker**

Yakov Kokorev

Heavy ion beam diagnostic of MASHA setup**Speaker**

Ms Assylkhan Seitkali

Electric dipole response of neutron-rich calcium isotopes in relativistic quasiparticle time blocking approximation**Speaker**

Mrs Irina Egorova

Status and perspectives of VEGA-M setup at the MT-25 microtrone for studying of the cluster effects in heavy nuclei.**Speaker**

Alexey Solodov

Preparation of gels of a hydrophobically modified polyacrylamide with high molecular weight and high content of hydrophobic units

Speakers

Ms Anna Aleshina, Mr Anton Makarov

Preparation and Investigation of Morphological and Thermal Properties of High-Density Polyethylene/SiO₂ Nanocomposite Films**Speaker**

Mr Asif Nabiyeu

The results of electron and positron anisotropy study with PAMELA calorimeter**Speaker**

Dr Alexander Karelin

Beta decay of the very neutron-rich nucleus ⁸⁵Ge**Speaker**

Ms Monika Piersa

Friction coefficient determination by electrical resistance measurements**Speaker**

Mr Konrad Kandrai

Calculation of the neutron spectrum shape that has formed in the neutron generator target by taking into account fluctuations of ionization losses and multiple scattering of D and T ions on the target atoms.**Speakers**

Mr Ilya Urupa, Renat Ibragimov

19:00