

25/04 Monday

09.00-09.30 *Registration near the conference hall*

Chairmen: N. Antonenko

09.30-10.00 *Opening*

10.00-10.30 **Alexander Karpov (JINR)**

Superheavy elements at SHE Factory: recent achievements and perspectives

10.30-11.00 **Elena Kolganova (JINR)**

Grodzins relation and some predictions for superheavy nuclei

11.00-11.30 *Coffee break*

Chairmen: A. Karpov

11.30-12.00 **Vyacheslav Saiko (JINR)**

Multinucleon transfer reactions as a method for production of new heavy neutron-enriched isotopes of transuranium elements

12.00-12.30 **Alan Dzhioev (JINR)**

Astrophysical applications of a superoperator method

12.30-13.00 **Symbat Nurakhmetova (KNU, Almaty, Kazakhstan)**

Radiative capture of nucleons in astrophysical processes

13.00-14.30 *Lunch*

Chairmen: A. Issadykov

14.30-15.00 **Anatoly Kotikov (JINR)**

Analytical QCD beyond the leading order

15.00-15.30 **Kaptari Leonid (JINR)**

Ghost and Gluon Propagators at Finite Temperatures within a Rainbow Truncation of Dyson-Schwinger Equation

15.30-16.00 **Serge Bondarenko (JINR)**

Three-nucleon EM form-factors in Bethe-Salpeter-Faddeev approach

16.00-16.30 *Coffee break*

Chairmen: L. Kaptari

16.30-17.00 **Zhomart Tyulemisov (JINR & INP, Kazakhstan)**

Nonleptonic decays of baryons in covariant confined quark model

17.00-17.30 **Aidos Issadykov (JINR & INP, Kazakhstan)**

"Rare $b \rightarrow d$ decays in covariant confined quark mode

17.30-18.00 **Munira Manashova (JINR & INP, Kazakhstan)**

The study of ZH, $H \rightarrow bb$ production using different event generators

26/04 Tuesday

Chairmen: M. Hnatic

09.30-10.00 **Georgii Kalagov (JINR)**

Superfluidity in multicomponent fermions via the functional renormalization group

10.00-10.30 **Iurii Molotkov (JINR)**

Critical dynamics of the superfluid phase transition: multi-loop calculation of the microscopic model

10.30-11.00 **Nikita Lebedev (JINR)**

Effects of moving environment on self-organized critical behavior in anisotropic systems

11.00-11.30 *Coffee break*

Chairmen: A. Arbuzov

11.30-12.00 **Michal Hnatic (JINR)**

Magnetic Dynamo as Spontaneous Symmetry Breaking

12.00-12.30 **Andrey Pikelner (JINR)**

Four-loop critical properties of polymerized membranes

12.30-13.00 **Vladimir Bytev (JINR)**

Hypergeometric approach in Feynman integral calculation

13.00-14.30 *Lunch*

Chairmen: E. Kolganova

14.30-15.00 **Nikolai Antonenko (JINR)**

Double-folding nucleus-nucleus interaction potential based on the self-consistent calculations

15.00-15.30 **Sandybek Kunakov (KazNU, Kazakhstan)**

Nature of Fission

15.30-16.00 **Roman Mukhin (JINR)**

The study of multiplicity distributions for prompt neutrons emitted in spontaneous fission of transfermium isotopes

16.00-16.30 *Coffee break*

19.00 *Welcome party*

27/04 Wednesday

Chairmen: A. Parvan

09.30-10.00 **Evgenii Mardyban (JINR)**

Description of the spectra of the lowest states for a chain of Zr isotopes based on the geometric collective model

10.00-10.30 **Aleksei Severiukhin (JINR)**

The double γ decay width of a nuclear 2+1 state

10.30-11.00 **Timur Shneidman (JINR)**

Evolution of reflection asymmetry in Ra isotopes

11.00-11.30 *Coffee break*

Chairmen: A. Severiukhin

11.30-12.00 **Chuluunbaatar Ochbadrakh (JINR)**

Updates of KANTBP code and their applications for solving problems in atomic, molecular and nuclear physics

12.00-12.30 **Sergue Vinitzky (JINR)**

Coupled channel method for heavy ion fusion reactions

12.30-13.00 **Alexander Gusev (JINR)**

A Maple implementation of KANTBP code for solving problems in coupled channel method

13.00-14.30 *Lunch*

Chairmen: A. Kotikov

14.30-15.00 **Andrej Arbuzov (JINR)**

Parton distribution functions in QED

15.00-15.30 **Andrey Sapronov (JINR)**

SANCPHOT - Monte Carlo tool for polarized gamma-gamma collisions

15.30-16.00 **Alexandru Parvan (JINR and DFT, IFIN-HH, Moldova)**

Transverse momentum distributions of hadrons in the nonextensive statistics

16.00-16.30 *Coffee break*

Chairmen: T. Shneidman

16.30-17.00 **Pavel Krassovitskiy (INP, Almaty, Kazakhstan)**

Experimental research of lithium isotopes cross sections

17.00-17.30 **Bakytzhan Urazbekov (JINR & INP, Kazakhstan)**

Theoretical models of weakly-bound light nuclei for describing data of bound and scattering states

17.30-18.00 **Ivan Rogov (JINR)**

Even-even and even-odd nuclei decay within DNS approach

28/04 Thursday

Excursion

29/04 Friday

Chairmen: A. Dzhioev

09.30-10.00 **Elena Arbuzova (Dubna SU & and Novosibirsk SU, Russia)**

Rates of particle production in R^2 -gravity

10.00-10.30 **Yersultan Arynbeke (JINR & INP, KazNU, Kazakhstan)**

Investigation of the Structure and Dynamics of Complex Membrane Interactions by Neutron and Raman Scattering Techniques

10.30-11.00 **Toktar Belgibayev (JINR)**

Peculiarities of magnetic moment switching in the ϕ_0 -junction

11.00-11.30 *Coffee break*

Chairmen: A. Pikelner

11.30-12.00 **Petr Vishnevskiy (JINR)**

M1-excitations in deformed nuclei

12.00-12.30 **Valiolda Dinara (JINR & KazNU, INP, Kazakhstan)**

The influence of low-lying resonances in the Coulomb breakup of ^{11}Be

12.30-13.00 **Saule Zhaugasheva (Kazakhstan)**

Study of the quark hadronization mechanism within the framework of the oscillator representation method

13.00-13.10 *Closing*

13.10-14.30 *Lunch*