

International Workshop on Nuclear and Particles Physics

Report of Contributions

Contribution ID: 7

Type: **not specified**

Registration

Contribution ID: **8**

Type: **not specified**

Registration

Monday, 25 April 2022 09:00 (30 minutes)

Contribution ID: 9

Type: **not specified**

Opening

Monday, 25 April 2022 09:30 (30 minutes)

Contribution ID: **10**

Type: **not specified**

Superheavy elements at SHE Factory: recent achievements and perspectives

Monday, 25 April 2022 10:00 (30 minutes)

Presenter: Dr KARPOV, Alexander (JINR)

Session Classification: Session I

Contribution ID: 11

Type: **not specified**

Grodzins relation and some predictions for superheavy nuclei

Monday, 25 April 2022 10:30 (30 minutes)

Presenter: KOLGANOVA, Elena (BLTP JINR)

Session Classification: Session I

Contribution ID: 12

Type: **not specified**

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

Monday, 25 April 2022 11:30 (30 minutes)

Presenter: SAIKO, Vyacheslav (FLNR, JINR)

Session Classification: Session II

Contribution ID: 13

Type: **not specified**

Astrophysical applications of a superoperator method

Monday, 25 April 2022 12:00 (30 minutes)

Presenter: DZHIOEV, Alan (Joint Institute for Nuclear Research, Bogoliubov Laboratory of Theoretical Physics)

Session Classification: Session II

Contribution ID: 14

Type: **not specified**

Radiative capture of nucleons in astrophysical processes

Monday, 25 April 2022 12:30 (30 minutes)

Presenter: NURAKHMETOVA, Symbat

Session Classification: Session II

Contribution ID: 15

Type: **not specified**

Analytical QCD beyond the leading order

Monday, 25 April 2022 14:30 (30 minutes)

Presenter: KOTIKOV, Anatoly (JINR)

Session Classification: Session III

Contribution ID: 16

Type: **not specified**

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

Monday, 25 April 2022 15:00 (30 minutes)

Presenter: KAPTARI, Leonid (Joint Institute for Nuclear Research, BLTPh)

Session Classification: Session III

Contribution ID: 17

Type: **not specified**

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

Monday, 25 April 2022 15:30 (30 minutes)

Presenter: BONDARENKO, Serge (JINR)

Session Classification: Session III

Contribution ID: **18**

Type: **not specified**

Nonleptonic decays of baryons in covariant confined quark model

Monday, 25 April 2022 16:30 (30 minutes)

Presenter: TYULEMISOV, Zhomart (JINR)

Session Classification: Session IV

Contribution ID: 19

Type: **not specified**

Rare $b \rightarrow d$ decays in covariant confined quark model

Presenter: ISSADYKOV, Aidos (Jinr)

Session Classification: Session IV

Contribution ID: 20

Type: **not specified**

The study of ZH, H→bb production using different event generators

Monday, 25 April 2022 17:00 (30 minutes)

Presenter: MANASHOVA, Munira (JINR, Veksler and Baldin Laboratory of High Energy Physics)

Session Classification: Session IV

Contribution ID: 21

Type: **not specified**

Superfluidity in multicomponent fermions via the functional renormalization group

Tuesday, 26 April 2022 09:30 (30 minutes)

Presenter: KALAGOV, Georgii (BLTP JINR)

Session Classification: Session V

Contribution ID: 22

Type: **not specified**

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

Tuesday, 26 April 2022 10:00 (30 minutes)

Presenter: MOLOTKOV, Iurii (JINR)

Session Classification: Session V

Contribution ID: 23

Type: **not specified**

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

Tuesday, 26 April 2022 10:30 (30 minutes)

Presenter: LEBEDEV, Nikita (N.N. Bogoliubov Laboratory of Theoretical Physics, Joint Institute for Nuclear Research)

Session Classification: Session V

Contribution ID: 24

Type: **not specified**

Magnetic Dynamo as Spontaneous Symmetry Breaking

Tuesday, 26 April 2022 11:30 (30 minutes)

Presenter: HNATIC

Session Classification: Session VI

Contribution ID: 25

Type: **not specified**

Four-loop critical properties of polymerized membranes

Tuesday, 26 April 2022 12:00 (30 minutes)

Presenter: PIKELNER, Andrey (BLTP JINR)

Session Classification: Session VI

Contribution ID: 26

Type: **not specified**

Hypergeometric approach in Feynman integral calculation

Tuesday, 26 April 2022 12:30 (30 minutes)

Presenter: BYTEV, Vladimir (JINR)

Session Classification: Session VI

Contribution ID: 27

Type: **not specified**

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

Tuesday, 26 April 2022 14:30 (30 minutes)

Presenter: ANTONENKO, Nikolai (BLTP, JINR)

Session Classification: Session VII

Contribution ID: 28

Type: **not specified**

Nature of Fission

Tuesday, 26 April 2022 15:00 (30 minutes)

Presenter: KUNAKOV

Session Classification: Session VII

Contribution ID: 29

Type: **not specified**

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

Tuesday, 26 April 2022 15:30 (30 minutes)

Presenter: MUKHIN, Roman

Session Classification: Session VII

Contribution ID: 30

Type: **not specified**

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

Wednesday, 27 April 2022 09:30 (30 minutes)

Presenter: MARDYBAN, Evgenii (Vasilevich)

Session Classification: Session VIII

Contribution ID: 31

Type: **not specified**

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

Wednesday, 27 April 2022 10:00 (30 minutes)

Presenter: SEVERYUKHIN, Alexey (BLTP, JINR)

Session Classification: Session VIII

Contribution ID: 32

Type: **not specified**

Evolution of reflection asymmetry in Ra isotopes

Wednesday, 27 April 2022 10:30 (30 minutes)

Presenter: SHNEIDMAN, Timur (Joint Institute for Nuclear Research)

Session Classification: Session VIII

Contribution ID: 33

Type: **not specified**

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

Wednesday, 27 April 2022 11:30 (30 minutes)

Presenter: GUSEV, Alexander (Laboratory of Information Technologies Joint Institute for Nuclear Research)

Session Classification: Session XIX

Contribution ID: 34

Type: **not specified**

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

Wednesday, 27 April 2022 12:00 (30 minutes)

Presenter: CHULUUNBAATAR, Ochbadrakh (JINR)

Session Classification: Session XIX

Contribution ID: 35

Type: **not specified**

Coupled channel method for heavy ion fusion reactions

Wednesday, 27 April 2022 12:30 (30 minutes)

Presenter: VINITSKY, Sergue (BLTP JINR)

Session Classification: Session XIX

Contribution ID: 36

Type: **not specified**

Parton distribution functions in QED

Wednesday, 27 April 2022 14:30 (30 minutes)

Presenter: ARBUZOV, Andrej (BLTP JINR)

Session Classification: Session XX

Contribution ID: 37

Type: **not specified**

SANCPHOT - Monte Carlo tool for polarized gamma-gamma collisions

Wednesday, 27 April 2022 15:00 (30 minutes)

Presenter: SAPRONOV, Andrey (JINR)

Session Classification: Session XX

Contribution ID: 38

Type: **not specified**

Transverse momentum distributions of hadrons in the nonextensive statistics

Wednesday, 27 April 2022 15:30 (30 minutes)

Presenter: PARVAN, Alexandru (JINR and IFIN-HH)

Session Classification: Session XX

Contribution ID: 39

Type: **not specified**

Method for calculating the interaction of non-spherical nuclei

Wednesday, 27 April 2022 16:30 (30 minutes)

Presenter: Dr KRASSOVITSKIY, Pavel (INP)

Session Classification: Session XXI

Contribution ID: 40

Type: **not specified**

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

Wednesday, 27 April 2022 17:00 (30 minutes)

Presenter: URAZBEKOV, Bakytzhan (JINR)

Session Classification: Session XXI

Contribution ID: 41

Type: **not specified**

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

Wednesday, 27 April 2022 17:30 (30 minutes)

Presenter: ROGOV, Ivan (BLTP, JINR)

Session Classification: Session XXI

Contribution ID: 42

Type: **not specified**

Rates of particle production in R^2 -gravity

Presenter: ARBUZOVA, Elena (Dubna State University and Novosibirsk State University)

Session Classification: Session XXII

Contribution ID: 43

Type: **not specified**

Rates of particle production in R^2 -gravity

Friday, 29 April 2022 09:30 (30 minutes)

Presenter: ARBUZOVA, Elena (Dubna State University and Novosibirsk State University)

Session Classification: Session XXII

Contribution ID: 44

Type: **not specified**

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

Friday, 29 April 2022 10:00 (30 minutes)

Presenter: Mr ARYNBEK, Yersultan (JINR, INP, KAZNU)

Session Classification: Session XXII

Contribution ID: 45

Type: **not specified**

Peculiarities of magnetic moment switching in the ϕ_0 -junction

Friday, 29 April 2022 10:30 (30 minutes)

Presenter: BELGIBAYEV, Toktar (Ashirbekovich)

Session Classification: Session XXII

Contribution ID: 46

Type: **not specified**

M1-exitations in deformed nuclei

Friday, 29 April 2022 11:30 (30 minutes)

Presenter: VISHNEVSKIY, Petr

Session Classification: Session XXIII

Contribution ID: 47

Type: **not specified**

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

Friday, 29 April 2022 12:00 (30 minutes)

Presenter: VALIOLDA, Dinara (BLTP/KAZNU)

Session Classification: Session XXIII

Contribution ID: 48

Type: **not specified**

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

Presenter: ZHAUGASHEVA, Saule (BLTP)

Session Classification: Session XXIII