

BLTP/JINR-KLTP/CAS JOINT WORKSHOP  
“PHYSICS OF STRONG INTERACTION”

Dubna, June 27-July 2, 2016

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PRESENTATIONS

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- Huan-Qiao Zhang

*Study of breakup and transfer of weakly bound nuclei to explore the low energy reaction dynamics*

- Li Ou

*Study of nuclear symmetry energy with breakup reaction induced by deuteron*

- S. N. Ershov

*Cluster structure of light nuclei*

- I. N. Izosimov

*Gamma-decay in light nuclei. Borromean halo, Tango halo, and halo isomers*

- A. A. Ogloblin

*Inelastic  ${}^9\text{Be}+\alpha$  scattering at 90 MeV: do the concepts of  ${}^9\text{Be}$  structure should be changed?*

- A. Gomez Camacho

*CDCC calculations of total fusion for reactions of  ${}^6\text{Li}$  with  ${}^{144}\text{Sm}$  and  ${}^{154}\text{Sm}$*

- A. S. Demyanova

*Observation of a proton halo in the unbound first excited state of  ${}^{13}\text{N}$*

- A.N. Danilov

*Do the dilute excited states exist in  ${}^{16}\text{O}$ ?*

- I. N. Borzov

*$\beta$ -delayed multi-neutron emission near new magic shell  $N = 34$*

- S. Mishev

*Investigating the pygmy dipole resonance using  $\beta$ -decay*

- E. O. Sushenok

*The effect of unpaired nucleons on the  $\beta$ -decay properties in the neutron-rich nuclei  $\beta$ -decay*

- Zai-Guo Gan  
*Alpha-decay of the neutron-deficient isotopes  $^{215-217}\text{U}$   $\beta$ -decay*
- A. Sobiczewski  
*Accuracy of theoretical description of SHN*
- R. V. Jolos  
*Some results on the structure of superheavy nuclei*
- Kun Wang  
*Nuclear incompressibility and ISGMR energy from radius-constrained RMF model*
- Zhong-Zhou Ren  
*Decay properties of some unstable nuclei*
- Jun-Chen Pei  
*Microscopic neutron emission and fission rates in compound superheavy nuclei*
- H. Pasca  
*Physical origin of transition from symmetric to asymmetric fission*
- Xiao-Tao He  
*Single-particle and collective rotational properties of transfermium nuclei in a PNC-CSM method*
- K. Mazurek  
*Isotopic fission-fragment distributions within the Langevin approach*
- Ning Wang  
*New isotope production with multi-fragmentation and multi-nucleon transfer*
- A. K. Nasirov  
*The effect of the orbital angular momentum on the reaction mechanism in heavy ion collisions*
- Yu-Gang Ma  
*Shear viscosity of nuclear matter by heavy-ion collisions*
- V. D. Toneev  
*Directed flow of hadrons in asymmetric heavy-ion collisions*
- Cheng-Jun Xia  
*Strange quark matter objects with two types of surface treatments*
- N. Korchagin  
*The role of instantons in high-energy polarization-dependent phenomena*
- Fu-Rong Xu  
*Core Gamow shell model with realistic nuclear forces*

- Zhi-Gang Xiao  
*Long-time isospin drift in heavy ion collisions*
- Sh. A. Kalandarov  
*Synthesis of very neutron deficient isotopes of medium-mass nuclei in complete fusion and quasifission reactions*
- Wei Zuo  
*Properties of neutron-rich nuclear matter and three-body force effect*
- Yusuke Tanimura  
*Three-body model for neutron-proton correlation in  $N = Z$ -odd nuclei*
- R.-D. Lasserri  
*Impact of 4-body correlations on clustering*
- Nguyen Van Giai  
*Why do we still drop Coulomb exchange interactions in Relativistic Mean Field calculations?*
- Ch. Stoyanov  
*Two-Phonon Mixed-Symmetry States in the Domain  $N=52$*
- T. M. Shneidman  
*Dinuclear system approach to the structure of odd-mass nuclei*
- Xian-Rong Zhou  
*Hypernuclear structure in the Skyrme Hartree-Fock Theory*
- A. A. Dzhioev  
*Skyrme-TQRPA study of supernova weak-interaction processes*
- V. N. Kondratyev  
*Universality in SGR burst statistics*
- D. Tarpanov  
*Spurious Finite-Size Instabilities in RPA Calculations using Skyrme type of functionals*