

The 9th APCTP-BLTP JINR Joint Workshop in Kazakhstan
Modern Problems in Nuclear and Elementary Particle Physics

June 28

9:00-12:00 Registration at Almaty hotel

June 29

Institute of Nuclear Physics

8:30-9:30 Registration

Chairman N. Burtebyaev

9:30 K. Kadyrzhanov
(Gumilyov ENU, Representative of Kazakhstan at JINR)
Welcoming address

9:40 Bum-Hoon Lee
(President of APCTP, Korea)
Welcoming address

9:50 Dong-Pil Min (Seoul National University, Korea)
Future Perspectives of Asian Nuclear Physics Association

10:20 V.Voronov (BLTP, JINR)
Research at BLTP of JINR
Low-Energy Dipole States in Neutron-Rich Isotones (N=80, 82, 84)

11:00-11:30 Coffee break

Chairman Wooyoung Kim

11:30 Chang-Hwang Lee(Pusan National University, Korea)
APCTP: Past, Present and Future

11:50 M. Musakhanov (National University of Uzbekistan, Uzbekistan)
Nuclear and Elementary Particle Physics in Uzbekistan
QCD Vacuum generated Light-Heavy Quarks Interaction

12:30-14:00 Lunch

Chairman G. Ganbold

14:00 Atsushi Hosaka (RCNP, Osaka University, Japan)
Nuclear and Hadron Physics in Japan
Heavy Baryons: Structure, Productions and Decays

14:40 M. Zhusupov (Al-Farabi KazNU, Kazakhstan)
Fundamental Physics at Al-Farabi KazNU

Coffee break 15:20-15:50

Chairman A. Arbuzov

15:50 V. Chuboda (FLNR, JINR/Czech Republic)
RIB Research at FLNR JINR

16:20 Yu. Potrebenikov (VBLHEP, JINR)
The NICA Complex at JINR: Status and Plans

16:50 Hiroyuki Noumi (RCNP, Osaka University, Japan)
New Platform for Hadron Physics at RCNP

17:20 P. Chakrov (INP, Kazakhstan)
Research at INP of Kazakhstan

Workshop Dinner

June 30

Chairman Yu. Potrebenikov

9:30 Xurong Chen (IMP, CAS, China)
Electron-Ion Collider in China

10:00 S. Goloskokov (BLTP, JINR)
Light Meson Electroproduction and Generalized Parton Distributions

10:30 L. Kaptari (BLTP, JINR)
Semi-Inclusive Deep Inelastic Scattering off polarized ^3He : tagging the transversal nucleon structure, the EMC effect and the hadronization mechanism

11:00-11:30 Coffee break

Chairman Myung Gi Cheoun

11:30 Bum-Hoon Lee (Sogang University, Korea)
Holographic Baryons in Dense Matter

12:00 Chang-Hwan Lee (Pusan National University, Korea)
Electromagnetic radiation in hot QCD matter

12:30-14:00 Lunch

Chairman Atsushi Hosaka

14:00 Pengming Zhang (IMP, CAS, China)
Glueballs based on the inner structure of gauge field

14:30 Yu. Uzikov (DLNP, JINR)
Null-Test of Time-Reversal Invariance in pd Scattering

15:00 Wooyoung Kim (Kyungpook National University, Korea)
Momentum sharing in imbalanced Fermi system

15:30-16:00 Coffee break

Chairman Hiroyuki Noumi

16:00 Jie Meng (Peking University, China)
Collective Model for Chiral and Wobbling Modes

16:30 S. Ando (Sunmoon University, Korea)
Light Hypernuclei in Halo/Cluster Effective Field Theory

17:00 K. Boshkayev (Al-Farabi KazNU, Kazakhstan)
Observational Constrains on the Mass-Radius Relations of Neutron Stars

17:30 E. Arbuzova (Dubna University, Russia)
Gravitational Instability in General Relativity and in $F(R)$ -theories

July 1

10:30 Excursion to Mountains

July 2

9:00-10:00 Poster Section

Chairman Chang-Hwan Lee

10:00 A. Arbuzov (BLTP, JINR)

Radiatively Induced Breaking of Conformal Symmetry in the Standard Model

10:30 A. Radzhabov (IDSTU SB RAS, Irkutsk, Russia)

Hadronic Light-By-Light Contribution to Muon Anomalous Magnetic Moment in Nonlocal Quark Model

11:00-11:30 Coffee break

Chairman S. Goloskokov

11:30 Hui-Young Ryu (Kyungbook National University, Korea)

Photon induced Multi Kaon Production

12:00 Hee-Jung Lee (Chungbuk National University, Korea)

Analysis of the Light Scalar Mesons Within QCD Sum Rule

12:30-14:00 Lunch

Chairman S. Ershov

14:00 Myung Gi Cheoun (Soongsil University, Korea)
Strong Magnetic Field in Nuclear Astrophysics

14:30 S. Bondarenko (BLTP, JINR)
Few-Nucleon Systems in the Bethe-Salpeter Approach

15:00 Emiko Hiyama (RIKEN, Japan)
Structure of Neutron Rich Lambda Hypernuclei

15:30 Il-Tong Cheon (The Korean Academy of Science and Technology,
Korea)
What Can We Verify by the Boomerang Effect on the Nuclear Lifetime?

16:00-16:15 Coffee break

Chairman Ul. Yakhshiev

16:15 E. Boos (IPT, Kazakhstan)
Development of High Energy and Cosmic Ray Physics in Kazakhstan

16:45 S. Ershov (BLTP, JINR)
Explorations of the Few-Body Continuum

17:15 Yu. Parfenova (FLNR, JINR)
Soft E1 mode in the 2p Borromean nucleus Ne-17

17:45 S. Vinitiski (BLTP, JINR)
Quantum Transmittance of Barriers for Composite

18:15 N. Khasanov (Al-Farabi KazNU, Kazakhstan)
Computer Simulation of Neutron Catalysis Reactions

July 3

Chairman Jie Meng

09:30 Byungsik Hong (Korea University, Korea)
Future Opportunity of Nuclear Symmetry Energy at LAMPS/RAON

10:00 A. Nasirov (BLTP, JINR/INP, Uzbekistan)
Fusion Mechanism of Massive Nuclei

10:30-11:00 Coffee break

Chairman A. Nasirov

11:00 G. Musulmanbekov (LIT, JINR)
From Nucleon Correlations to Discrete Symmetry and Clustering in Nuclei

11:30 Yasuro Funaki (RIKEN, Japan)
Clustering Aspects in Nuclear Structure and Reactions

12:00 N. Burtebaev (INP, Kazakhstan)
Study of elastic scattering of deuterons from ^{11}B nuclei

12:30-14:00 Lunch

Chairman A. Davletov

14:00 Ul. Yakhshiev (Inha University, Korea)
Nucleon Properties in Finite Nuclei

17:30 I. Lebedev (IPT, Kazakhstan)
Selection of Correlated Groups of Secondary Particles in Nucleus-Nucleus Interactions

15:00 G. Ganbold (BLTP, JINR/Mongolia)
The Mass Spectrum and Decay Constants of Conventional Mesons Within an Infrared Confinement Model

15:30-16:00 Coffee break

Chairman E. Boos

16:00 V. Dzhunushaliev (Al-Farabi KazNU, Kazakhstan)
Classical Color Fields as a Dark Matter Candidate

16:30 A. Gladyshev (BLTP, JINR)
The Modern Status of the Dark Matter

17:00 V. Voronov (BLTP, JINR)
Closing