

The 5th APCTP-BLTP JINR Joint Workshop
FRONTIERS IN NUCLEAR PHYSICS AT DUBNA

May 16-19, 2011

	May 16		May 17		May 19
9.00	Registration				
9.40	Voronov				
<i>Chairman</i>	<i>Voronov</i>	<i>Chairman</i>	<i>Kevin Hahn</i>	<i>Chairman</i>	<i>Yakshiev</i>
9.50	Wooyoung Kim	9.30	Tkachev	9.30	Zagrebaev
10.40	Fomichev	10.10	Kazakov	10.10	Burov
11.20	Coffee	10.50	Coffee		Coffee
<i>Chairman</i>	<i>Nikolaev</i>	<i>Chairman</i>	<i>Sapozhnikov</i>	<i>Chairman</i>	<i>Yongseok Oh</i>
11.50	Kevin Hahn	11.20	Naumov	11.20	Byung-Yoon Park
12.20	Sapozhnikov	12.00	Nikolaev	12.00	Uzikov
12.50	Lunch	12.30	Teryaev	12.30	Selyugin
<i>Chairman</i>	<i>Wooyoung Kim</i>	13.00	Lunch		Lunch
14.20	Antonov	<i>Chairman</i>	<i>Byung-Yoon Park</i>	<i>Chairman</i>	<i>Uzikov</i>
15.00	Lukyanov	14.30	Vento	14.30	Yongseok Oh
15.30	Coffee	15.00	Hee-Jung Lee	15.00	Khvorostukhin
<i>Chairman</i>	<i>Lukyanov</i>	15.25	Dorokhov	15.30	Shimansky
16.30	Nasirov	15.50	Bakulev	16.00	Coffee
17.00	Yongkyu Ko	16.15	Coffee		
17.30	Yakshiev	<i>Chairman</i>	<i>Vento</i>	<i>Chairman</i>	<i>Dorokhov</i>
		16.45	Kochelev	16.20	Tokarev
		17.10	Dorkin	16.50	Razin
		17.35	Nedelko	17.20	Kekelidze
		18.00	Arbuzov	18.00	Voronov Closing
		18.25	Sunyong Shin	19.00	Conference Dinner

May 18 Excursion to Moscow

The 5th APCTP-BLTP JINR Joint Workshop
FRONTIERS IN NUCLEAR PHYSICS AT DUBNA

May 16-19, 2011

May 16

9.00-9.40 *Registration*

9.40-9.50 **Viktor Voronov**
Opening

Chairman V. Voronov

9.50-10.40 **Wooyoung Kim**
KoRIA and Spin Physics with KoRIA

10.40-11.20 **Andrei Fomichev**
Road map for Acculinna-2 fragment separator

11.20-11.50 *Coffee*

Chairman N. Nikolaev

11.50-12.20 **Kevin Hahn**
Nuclear Astrophysics Experiments with RIB and KoRIA

12.20-12.50 **Mikhail Sapozhnikov**
Nucleon strangeness

12.50-14.20 *Lunch*

Chairman Wooyoung Kim

14.20-15.00 **Anton Antonov**
Probing nuclear structure of light, medium and heavy exotic nuclei

15.00-15.30 **Valery Lukyanov**
Study of ${}^6\text{He}+{}^{12}\text{C}$ elastic scattering and breakup reactions

15.30-16.30 *Coffee*

Chairman V. Lukyanov

16.30-17.00 **Avazbek Nasirov**
Similarity and difference of reaction mechanisms in heavy ion collisions

17.00-17.30 **Yongkyu Ko**
Doppler effect for the determination of the binding energy in cascade decay

17.30-18.00 **Ulugbek Yakshiev**
Nuclear matter studies in the Skyrme model

May 17

Chairman Kevin Hahn

9.30-10.10 Leonid Tkachev
News in astrophysics and JINR astrophysical studies in space experiments

10.10-10.50 Dmitri Kazakov
First Results from LHC

10.50-11.20 *Coffee*

Chairman M. Sapozhnikov

11.20-12.00 Dmitry Naumov
Outlook of Neutrino Physics today

12.00-12.30 Nikolai Nikolaev
Transverse Spin Physics with Polarized Antiprotons

12.30-13.00 Oleg Teryaev
Axial anomaly and heavy ion collisions

13.00-14.30 *Lunch*

Chairman Byung-Yoon Park

14.30-15.00 Vicente Vento
Quarks and partons

15.00-15.25 Hee-Jung Lee
Exotic hadrons within QCD sum rules approach

15.25-15.50 Alexander Dorokhov
Muon $g-2$: current status

15.50-16.15 Alexander Bakulev
Pion-photon transition form factor and pion distribution amplitude

16.15-16.45 *Coffee*

Chairman V. Vento

16.45-17.10 Nikolai Kochelev
Axial Anomaly and δ_{LT} puzzle

17.10-17.35 Sergey Dorkin
Analytic structure of quark propagators

17.35-18.00 Sergei Nedelko
Gluon condensation, Weyl reflections, CP: confinement, chiral symmetry and hadronization

18.00-18.25 Andrey Arbuzov
Radiative processes with participation of pseudoscalar and vector mesons in ground and radial excited states

18.25-18.50 Sunyong Shin
Holographic $1/N_c$ correction from the chiral condensate

May 18 Excursion to Moscow

May 19

Chairman U. Yakshiev

- 9.30-10.10 Valery Zagrebaev**
Low energy heavy ion physics at FLNR
- 10.10-10.50 Valery Burov**
Electromagnetic properties of the deuteron in Bethe-Salpeter approach

10.50-11.20 *Coffee*

Chairman Yongseok Oh

- 11.20-12.00 Byung-Yoon Park**
B=2 system in chiral quark model
- 12.00-12.30 Yury Uzikov**
Reactions with formation of pp(1S0) diproton in pd- and pp collisions at COSY energies
- 12.30-13.00 Oleg Selyugin**
Features of high energy pp and pA elastic scattering at small t

13.00-14.30 *Lunch*

Chairman Yu. Uzikov

- 14.30-15.00 Yongseok Oh**
Effective Lagrangian for strong and electromagnetic decays of high spin resonances
- 15.00-15.30 Andrey Khvorostukhin**
Relaxation time ansatz and viscosities of gluon matter
- 15.30-16.00 Stepan Shimansky**
Probing the high density component of nuclear matter with high transfer processes

16.00-16.20 *Coffee*

Chairman A. Dorokhov

- 16.20-16.50 Mikhail Tokarev**
Self-similarity of Hadron Production and Beam Energy Scan at RHIC
- 16.50-17.20 Stepan Razin**
Time Projection Chamber for MPD at NICA
- 17.20-18.00 Vladimir Kekelidze**
Project NICA at JINR
- 18.00 Viktor Voronov**
Closing

19.00 *Conference Dinner*