

Program

14th APCTP-BLTP JINR Joint Workshop - Memorial Workshop in Honor of Prof. Yongseok Oh
: Modern problems in nuclear and elementary particle physics

From July 9 to July 14, 2023, POSCO International Center, APCTP, Pohang, Korea

July 9, Sunday	
6:00	Reception at APCTP lobby
PM	(Hogil Kim Memorial Building #501 POSTECH)

July 10, Monday			
9:00 AM	Registration		
Session 1 (Chair: Hee-Jung Lee)			
9:50 AM	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%; vertical-align: top;">Welcome Remarks</td> <td style="vertical-align: top;"> Yunkyu Bang (President of APCTP) Myung-Ki Cheoun (Soongsil Univ.) </td> </tr> </table>	Welcome Remarks	Yunkyu Bang (President of APCTP) Myung-Ki Cheoun (Soongsil Univ.)
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10:00 AM	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%; vertical-align: top;">From a Dinuclear System to Close Binary Cosmic Objects</td> <td style="vertical-align: top;">Nikolai Antonenko (JINR)</td> </tr> </table>	From a Dinuclear System to Close Binary Cosmic Objects	Nikolai Antonenko (JINR)
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11:00 AM	Coffee Break		
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12:15 AM	Lunch		
Session 2 (Chair: Andrey Arbutov)			
2:00 PM	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%; vertical-align: top;">Hadron Physics in Light-Front Dynamics</td> <td style="vertical-align: top;">Chueng Ryong Ji (North Carolina State Univ.)</td> </tr> </table>	Hadron Physics in Light-Front Dynamics	Chueng Ryong Ji (North Carolina State Univ.)
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July 11, Tuesday		
Session 3 (Chair: Nikolay Antonenko)		
10:00 AM	Physics with SPD at NICA Collider	Victor Kim (Petersburg Nuclear Physics Institute of NRC "Kurchatov Institute")
10:30 AM	FRG for dense matter, exotic nuclei and neutron stars	Youngman Kim (CENS, IBS)
11:00 AM	Coffee Break	
11:15 AM	Isoscalar giant monopole resonance in the Ca isotope chain	Nikolay Arsenyev (JINR)
11:45 AM	Carbon isotopes in NLEFT	Young-Ho Song (RISP, IBS)
12:15 AM	Lunch	
Session 4 (Chair: Alexandr Parvan)		
2:00 PM	Tensor meson photoproduction and possibility of exotic mesons	Byung-Geel Yu (Korea Aerospace Univ.)
2:30 PM	Hybrid model for the $K^-p \rightarrow K\Xi$ reactions	Sangho Kim (Soongsil Univ.)
3:00 PM	Density dependence of the heavy-light meson distribution amplitude	Parada T. P. Hutaaruk (Pukyong Nat. Univ.)
3:30 PM	Coffee Break	
Memorial Session in Honor of Prof. Yongseok Oh (Chair : Byung-Yoon Park)		
4:00 PM	In memory of Prof. Yongseok Oh	Byung-Yoon Park (Chungnam Nat. Univ.)
	Prof. Yongseok Oh at Kyungpook Nat. Univ.	Hong Joo Kim (Kyungpook Nat. Univ.)
	APCTP and Prof. Yongseok Oh	Yunkyu Bang (President of APCTP)
	Prof. Oh and APCTP-BLTP JINR Workshop	Nikolai Antonenko (JINR)
	Physics and person — for the memory of Yongseok	Atsushi Hosaka (RCNP, Osaka Univ.)
	Hadronic Physics at J-PARC with the memory of Prof. Oh	Shinya Sawada (KEK)
	Hadron Physics Research Journey with Late Prof. Yongseok Oh	Chueng Ryong Ji (North Carolina State Univ.)
	Researches (MNT, KIDS and GPD) with Prof. Yongseok Oh	Myeong-Hwan Mun (Soongsil Univ.)
6:00 PM	Memorial Dinner	

July 12, Wednesday		
Session 5 (Chair: Chang Ho Hyun)		
10:00 AM	Few-body dynamics and few-body correlations in the dripline nuclei	Leonid Grigorenko (JINR)
10:30 AM	S matrices of elastic α - ^{12}C scattering at low energies in cluster effective field theory	Shung-Ichi Ando (Sunmoon Univ.)
11:00 AM	Coffee Break	
11:15 AM	EM form factors of the three-nucleon systems	Serge Bondarenko (JINR)
11:45 AM	Signatures for tetraquark mixing from partial widths of the two light-meson nonets	Hungchong Kim (Korea Univ.)
12:15 AM	Lunch	
2:00 PM	Excursion	
6:00 PM	Banquet	

July 13, Thursday		
Session 6 (Chair: Homeoyng Choi)		
10:00 AM	Cosmic rays from decays of heavy dark matter particles	Elena Vladimirovna Arbuzova (Dubna State Univ.)
10:30 AM	Non-diagonal DVCS, Transitional GPDs and Hadron Structure	Kirill M. Semenov Tyan Shanskiy (Kyungpook Nat. Univ.)
11:00 AM	Coffee Break	
11:15 AM	Parton distribution functions of the nucleon in the large N_c limit	Hyeon-Dong Son (Inha Univ.)
11:45 AM	Parton density functions in QED	Andrej Borisovich Arbuzov (JINR)
12:15 AM	Lunch	
Session 7 (Chair: Leonid Grigorenko)		
2:00 PM	Gamow-Teller transitions by Charge Exchange Reactions in Raon Accelerator	Eunja Ha (Hanyang Univ.)
2:30 PM	The double gamma decay of the quadrupole state of spherical nuclei	Aleksei Severiukhin (JINR)
3:00 PM	Color transparency in proton-deuteron interactions	Alexei Larionov (JINR)
3:30 PM	Coffee Break	
4:00 PM	Hadron transverse momentum distributions in the Tsallis statistics with escort probabilities	Alexandru Parvan (JINR & DFT, IFIN-HH)
4:30 PM	Universal Relations in the Emergence of Special Points on Mass-Radius Relation of Hybrid Stars	Sen Debashree (Korea Univ.)

July 14, Friday		
Session 8 (Chair: Chang-Hwan Lee)		
10:00 AM	Heavy quarkonia in a bulk-viscous quark gluon plasma medium	Lata Thakur (APCTP)
10:30 AM	<i>B</i> meson decays	Aidos Issadykov (INP ME RK & JINR)
11:00 AM	Coffee Break	
11:15 AM	Constraints on cosmic-ray boosted dark matter from the XENONnT experiment	Atanu Guha (Chungnam Nat. Univ.)
11:45 AM	Probing the nuclear equation of state in core-collapse simulations of massive stars	Hajime Togashi (Daegu Univ.)
12:15 AM	Closing Remarks	
12:30 AM	Lunch	
2:30 PM	Collaboration discussions in small groups	

APCTP Travel Information

Campus Map

POSTECH Campus Map



(APCTP Headquarters: 5th floor)

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|------------------------------------|---|--|
| 1. Administration Bldg. | 15. GIFT
(Graduate Institute of Ferrrous Technology) | 29. Wind Tunnel |
| 2. Science Bldg. I | 16. PIRL and GSIT | 30. Chemical Engineering Laboratories |
| 3. Hognil Kim Memorial Hall | 17. LG Cooperative Electronics Engineering | 31. Industrial & Management Engineering Laboratories |
| 4. Science Bldg. II | 18. School of Environmental Science & Engineering | 32. Chemistry Bldg. |
| 5. Science Bldg. IV | 19. Sports Field | 33. Gymnasium |
| 6. Student Union | 20. POSCO International Center (PIC) | 34. POSPLEX |
| 7. Science Bldg. V | 21. Jigok Community Center | 35. Faculty Apartment |
| 8. Science Bldg. III | 22. Student Dormitories | 36. East Gate |
| 9. Auditorium | 23. Married Student Apartments | 37. POSVILLE Apartment |
| 10. Mathematical Science Bldg. | 24. Pohang Accelerator Laboratory | 38. Tae-Joon Park Digital Library |
| 11. RIST Administration Bldg. | 25. Nat'l Center for Nanomaterials Technology | 39. POSTECH Biotech Center |
| 12. Rist Research Bldg. I | 26. Life Science Bldg. | 40. Jigok Research Center |
| 13. Rist Research Bldg. II | 27. Machine Shop | 41. PIRO |
| 14. Rist Research Bldg. III | 28. Mechanical Engineering | (Pohang Institute of intelligent Robotics) |
| | | 42. Main Gate |