



The 4th Asian Nuclear Reaction Database Development Workshop

*al-Farabi Kazakh National University, Almaty,
Kazakhstan, 23-25 October, 2013; E-mail: ca.nrdb@gmail.com*



TOPICS:

- Asian Nuclear Data Center Activity
- EXFOR Compilation
- Development of the Asian Nuclear Reaction Database Network
- Nuclear Reaction Experiments & Nuclear Reaction Evaluation
- Computational Simulation on Nuclear Reactions and Accelerator Facilities

Date	Time	Program
Oct.23 (Wen)	09:00-09:30	Registration
	09:30-10:00	Opening Ceremony
	Chairpersons : G. Mutanov (rector of al-Farabi Kazakh National University), N. Otsuka (IAEA, Vien, Austria)	
	10:00 – 10:20	M. Aikawa (Hokkaido University) International and Asian Collaboration on Nuclear Data
	10:20 – 10:50	G. Chen, Zh. GE, et al (CNDC), Recent EXFOR Compilation in CNDC
	10:50 – 11:20	N. Otsuka (IAEA) International Experimental Nuclear Reaction Data Library (EXFOR) and Central Asian Countries
	11:20-11:40	M. Takibayeva, M. Bakabayev, et al (al-Farabi KazNU), The Features and the Development of Central Asia Nuclear Reaction Database at al-Farabi University
	11:40-12:00 Coffee Break	

Date	Time	Program	
Oct.23 (Wen)		Chairpersons: Y. O. LEE (NDC, Korea Atomic Energy Research Institute) , M. Burkitbaev (al-Farabi Kazakh National University);	
	11:50 – 12:20	S. Yang, Y. O. Lee, et al. (KAERI), EXFOR Activity and Measurement of KAERI/NDC	
	12:20 – 12:50	J. Yoo (KAERI), Overview of Nuclear Structure and Decay Data Evaluation Activities at KAERI	
	12:50 – 13:20	M. Burkitbaev (al-Farabi KazNU), Work Performed by the al-Farabi University on Environmental Radioactivity in Central Asia	
	13:20-14:30 Lunch		
		Chairpersons: K. Kato (Hokkaido University, Japan), T. Ramazanov (al- Farabi Kazakh National University);	
	14:30- 14:50	S.V. Artemov (INP UzbAS) Possibility of Experimental Studies of Nuclear Reactions in Uzbekistan	
	14:50- 15:05	Ch. Omarov (AFIF, Almaty), Development of astronomy in Kazakhstan: from new ground-based telescopes to space ones	

Date	Time	Program
	15:05-15:20	A. Davletov (al-Farabi KazNU), The present and future research and innovative activities of the Physical and Technical Department
	15:20-15:50	A. Makinaga (Hokkaido University) JCPRG-RIKEN Nuclear Data Project and Asian Collaborations
Oct.23 (Wen)	Chairpersons: J.G. Yoo (Korea Atomic Energy Research Institute), E. Batyrbekov (Nuclear National Center of Kazakhstan)	
	16:10 – 16:40	J. Wang (CNDC), The Systematic of Thermal Neutron Fission Cross Sections
	16:40 – 17:10	K. Kato (Hokkaido University), Electro-magnetic dissociations of neutron-rich nuclei
	17:10-17:40	S.Zaitsev (IMT RAS, Chernogolovka, Russia), Modern technologies of nanostructuring and applications
	18:00-21:00 Banquet	

Date	Time	Program		
Inst. of Nuclear Physics Oct.24 (Wen)	Visit to Institute of Nuclear Physics			
	08:00-08:15	Hotels: Shamshirack, Best Western Plus, Almaty - Places of gathering for the trip to Institute of Nuclear Physics		
	09:00	Arrival time to the Institute of Nuclear Physics		
	09:15-12:00	Excursion on facilities and acquaintance with the laboratories		
	13:00- 14:00		Lunch	
	Chairpersons: N. Otsuka (IAEA, Vien, Austria), N. Chakrov (Institute of Nuclear Physics, Almaty, Kazakhstan) The Scientific Program of Presentations at INP is still in development			
	14:00 – 14:30	N. Chakrov (INP) Recent Experiments at Institute of Nuclear Physics		
	14:30-15:00	N. Otsuka (IAEA) to be announced		
	15:00 – 15:30	N. Burtebaev (INP RK) The new experimental data on the elastic scattering of protons by ^{10}B at low energies.		
	15:30 – 16:20	Discussions and other		

Date	Time	Program		
Oct.25 (Wen)	Chairpersons: Zh. GE (China Nuclear Data Center), A. Davletov (al-Farabi Kazakh National University)			
	09:00 – 09:30	Y. O. LEE (KAERI), Photo-neutron Source at KAERI		
	09:30 – 10:00	R. Yarmukhamedov (INP UzbAS) On the new Modern Approaches and their application for Nuclear Astrophysics		
	10:00 – 10:30	S. Ebata (Hokkaido University), Systematic study of electric dipole excited states utilizing the linear response method		
	10:30-11:00	V. Zhumabekova, G. Spanova, M. Takibayeva (al-Farabi KazNU), Research of Metallic Berillium Properties - JAEA-KazNU Agreement		
	11:00 – 11:30	R. Beisembayev et al., (Lebedev PIAS and al-Farabi KazNU) , Experiments of Tian Shan Station of Cosmic Rays		
	11:30-11:50		Coffee Break	
	Chairpersons: G. Chen (CNDC, China), M. Abishev (al-Farabi KazNU)			
	11:50 – 12:20	G. Chen et al (CNDC) “Introduction of the digitization software Gdgraph”		

Date	Time	Program	
	12:20 – 12:40	M.Odsuren (National University of Mongolia), Scattering Phase Shifts of Two-Three Body Systems in the Complex Scaling Method	
	12:40 – 13:00	N. Takibayev (al-Farabi KazNU), Recent studies of Be9 as a reflector material	
Oct.25 (Wen)	13:00-14:30		Lunch
	Chairpersons: M. Aikawa (Hokkaido University, Japan) R. Yarmukhamedov (Institute of Nuclear Physics, Uzbekistan),		
	14:30-15:00	A. Makinaga, (Hokkaido University), Photo neutron experiment by using activation method at Hokkaido University electron linac facility	
	15:00-15:30	S. Kunakov et al. (al-Farabi KazNU, ITT Univ.) Researches of accumulation of tritium and helium from the beryllium reflector under reactor irradiation	
	15:30-15-50	M. Abishev (al-Farabi KazNU), On Medical Physics and Nuclear Medicine Development in Kazakhstan	
	15:50-16:20		Coffee Break

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Oct.25 (Wen)		Chairpersons: N. Otsuka (IAEA, Austria), Y.O. Lee (KAERI) Zh. GE (CNDC), , K. Kato (Hokkaido University, Japan)	
	16:20- 16:50	Round Table: Asian Nuclear Reaction Database Development	
	16:50- 17:10	N. Takibayev, (al-Farabi KazNU), - CA-NRDB - Appointment of advisors and Steering committee. - Proposal to issue NRDB scientific journal.	
		Conclusion remarks: Kato K., Chen G., Otsuka N. , Ge Ch., Lee Y.O., Yarmuchamedov R. et al.	
		Closing of the 4 th ANRDDW	
		Visiting National Theater. Sightseeing.	