

The 7th International Workshop on DRHBc Mass Table

(July 1~4 ,2024)

Gangneung Green City Experience Center, Gangneung

July 1 (Monday)

~ 18:00	Arrival & Registration
16:00 ~ 18:00	Domestic group meeting

July 2 (Tuesday)

Time	Speaker	Title	Chair
~ 09:30	Registration		
09:30 ~ 09:50	Myung-Ki Cheoun Jie Meng	Opening Session	Chang-Hwan Lee
09:50 ~ 10:30	Peng Guo	The status for odd-Z and superheavy nuclei	
10:30 ~ 11:00	Break (Group Photo1)		
11:00 ~ 11:30	Panagiota Papakonstantinou	G1: Progress Report $9 \leq Z \leq 20$	Shuangquan Zhang
11:30 ~ 12:00	Xiaoyan Zhang	G3: Progress Report $31 \leq Z \leq 40$	
12:00 ~ 12:30	Qiang Zhao	G4: Progress Report $41 \leq Z \leq 50$	
12:30 ~ 14:00	Lunch		
14:00 ~ 14:30	Cong Pan	G5: Progress Report $51 \leq Z \leq 60$ G13: Progress Report $124 \leq Z \leq 126$	Myeong-Hwan Mun
14:30 ~ 15:00	To Chung Martin Yiu	G6: Progress Report $61 \leq Z \leq 70$	
15:00 ~ 15:30	Yong-Beom Choi	G7: Progress Report $71 \leq Z \leq 80$	
15:30 ~ 16:00	Break (Group Photo2)		
16:00 ~ 16:30	Myung-Ki Cheoun	G8: Progress Report $81 \leq Z \leq 90$	Pengwei Zhao
16:30 ~ 17:10	Wei Zhang Ting-Ting Sun	G9-1: Progress Report $91 \leq Z \leq 97$	
	Xinle Shang	G9-2: Progress Report $98 \leq Z \leq 100$	
17:10 ~ 17:40	Xiao-Tao He	G10: Progress Report $101 \leq Z \leq 110$	
18:20 ~	Banquet		

July 3 (Wednesday)

Time	Speaker	Title	Chair
09:20 ~ 09:50	Yanxin Zhang	G11: Progress Report $111 \leq Z \leq 120$	Panagiota Papakonstantinou
09:50 ~ 10:10	Zhen-Hua Zhang	G12: Progress Report $121 \leq Z \leq 123$	
10:10 ~ 10:30	Zhan-Jiang Lian	G14: Progress Report $127 \leq Z \leq 128$	
	Pengxiang Du	G15: Progress Report $129 \leq Z \leq 131$	
10:30 ~ 10:50	Xin-Hui Wu, Sibo Wang	G16: Progress Report $132 \leq Z \leq 136$	
10:50 ~ 11:15	Break		
11:15 ~ 11:40	YIFEI NIU	Beyond mean-field description of nuclear beta-decay half-lives	Jian Li
11:40 ~ 12:05	Liang Guo	Study of β -decay half-lives by quasiparticle random-phase approximation with localized exchange term effect	
12:05 ~ 12:30	Chang Ho Hyun	Correlation between alpha-decay half-lives and the symmetry energy	
12:30 ~ 14:00	Lunch		
14:00 ~ 14:25	Myung-Ki Cheoun	Deformation and Pairing Gaps in Pb and Hg Isotopes	Kyungsik Kim
14:25 ~ 14:50	Chang Zhou	Halo nuclei in DRHbc theory with Lipkin-Nogami correction	
14:50 ~ 15:15	Youngman Kim	Parity doublet model for finite nuclei	
15:15 ~ 15:40	Break		
15:40 ~	Free Discussion		

July 4 (Thursday)

Time	Speaker	Title	Chair
09:20 ~ 09:45	Yanan Huang	Nuclear landscape based on point-coupling density functional	Jubin Park
09:45 ~ 10:10	Jian Li	Nuclear mass predictions based on convolutional neural network	
10:10 ~ 10:35	Weifeng Li	A new empirical formula for nuclear binding energies	
10:35 ~ 11:00	Break		
11:00 ~ 11:25	Shuangquan Zhang	Prolate-shape dominance investigated by the deformed relativistic Hartree-Bogoliubov theory in continuum	Youngman Kim
11:25 ~ 11:50	Chen CHEN	Finite-Amplitude Method for Charge-Exchanging Transitions in Axially Deformed Nuclei based on Relativistic Energy Density Functional Theory	
11:50 ~ 12:15	Jubin Park	Exploring New Magic Numbers Using Separation Energy and Machine Learning	
12:15 ~ 12:40	Xiaofei Jiang	Nuclear level density from DRHbc theory and combinatorial method	
12:40 ~ 14:00	Lunch		
14:00 ~	Free Discussion		