

5th OMEG Workshop

2022. 05. 26 (Thu) – 05. 28 (Sat)

여수 오션힐호텔 2층 거북선 홀

2022.05.26(Thu)		Astro-Hadron Physics
TIME	Title	SPEAKER
13:30~14:00 (30')	Registration & Opening	천명기 (송실대)
Chair : 이창환(부산대학교)		
14:00~14:50 (50')	Anomalies in rotating QGP	남승일 (부경대)
14:50~15:40 (50')	Parton Distribution Functions in the Large-Nc Limit	손현동 (CENuM, 인하대)
15:40~16:00 (20')	Break Time	
16:00~16:50 (50')	Nuclear matter effects on the partonic structure of hadron and static NS properties	Parada Hutaeruk (부경대)
17:00~18:00 (60')	C2R2 Seminar	Jie Meng (북경대)
18:00~18:25 (25')	Quark model calculations of nucleon resonance transition form factors at large Q^2	Gilberto Ramalho (송실대)
18:25~19:00 (35')	Effects of isoscalar- and isovector meson mixing on nuclear matter and finite nuclei	Tsuyoshi Miyatsu (송실대)

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2022.05.27(Fri) Astro-Nuclear Physics		
TIME	Title	SPEAKER
09:00~09:30 (30')	Registration & Opening	천명기 (송실대)
Chair : 조기현(KISTI)		
09:30~09:55 (25')	atoms in curved spacetime: introducing interaction between gravity and atomic physics	박지원 (송실대)
09:55~10:20 (25')	The effect of the magnetized electron on neutrino process in core-collapse supernova	고혜민 (송실대)
10:20~10:45 (25')	The electromagnetic fluctuation in the astrophysical plasma	황은석 (송실대)
10:45~11:00 (15')	Break Time	
11:00~11:40 (40')	Bubble Nuclei with Shape Coexistence in the Ground State of $72 \leq Z \leq 80$ Even-even Isotopes	최용범 (부산대)
11:40~12:00 (20')	Neutron skin thickness of 208Pb using neutrino scattering in Quasi-particle Random Phase Approximation	이채윤 (송실대)
12:00~12:30 (30')	Searching a Way from Finite Nuclear Masses toward Symmetry Energy	김성현 (송실대)
12:30~13:00 (30')	Dynamic polarization potential with Optical model	허경수 (송실대)
Astro-Nuclear		
Chair : 김영만(IBS)		
14:00~14:50 (50')	Fusion reactions with di-nuclear system (DNS) model	김경일 (IBS)
14:50~15:40 (50')	Oxygen isotopes in Nuclear Lattice Effective Field Theory	송영호 (IBS)
15:40~16:00 (20')	Break Time	
16:00~16:40 (40')	Effects of tensor force in GT transition for 48Ca and 78Ni	하은자 (한양대)
16:40~17:20 (40')	Consistent analysis of nuclear level structures and nucleon interaction data	이정연 (송실대)
17:20~18:00 (40')	Quasielastic lepton-nucleus scattering with nonrelativistic nuclear energy density functionals	김경식 (한국항공대)

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2022.05.28(Sat) Astro-Particle Physics		
TIME	Title	SPEAKER
09:00~09:30 (30')	Registration & Opening	천명기 (송실대)
Chair : 남승일(부경대학교)		
09:30~10:30 (60')	Current status of neutrino physics	강신규 (서울과학기술대학교)
10:30~11:30 (60')	Sterile neutrino and further activities	주경광 (전남대학교)
11:30~11:50 (20')	Break Time	
11:50~12:25 (35')	Resonant Spin-Flavor Oscillation	박주빈 (송실대)
12:25~13:00 (35')	Introducing gravity models: formulation for an application to BBN	윤채민 (송실대)
condensed matter physics		
Chair : 천명기(송실대학교)		
14:00~14:50 (50')	Local multiplets in electronic structure	고아라 (전남대)
14:50~15:40 (50')	Electronic Green's function and self-energy in the condensed matter physics	한만천 (연세대)
15:40~16:00 (20')	Break Time	
16:00~16:40 (40')	First-principles study of the rotation-induced polar structures in perovskite CaSnO ₃	최민철 (송실대)
16:40~17:20 (40')	Orbital-selective Mott and Peierls transition in hydrogenated VO ₂	박세영 (송실대)