

REIMEI Workshop on "Universal Features of Quantum Flows with Spin, Orbital and Tensor Correlations"
February 17-19, 2020, Ibaraki Quantum Beam Research Center, Tokai, Japan

February 17 (Mon)			
9:15	Registration		
	Chair: Hosaka, Atsushi		
9:50	Hosaka, Atsushi	JAEA&Osaka	Opening
10:00	Tanida, Kiyoshi	JAEA	Hadron scatterings with polarization
10:30	Philipp Gubler	JAEA	Asymmetric meson propagation in nuclei
11:00	Break		
	Chair: Utsuno, Yutaka		
11:30	Horiuchi, Wataru	Hokkaido	Modification of spin components in light nuclei induced by tensor correlations
12:00	Minato, Futoshi	JAEA	Role of the nuclear force on Gamow-Teller transitions (tentative)
12:30	Oka, Makoto	JAEA	Symmetry of Generalized Nuclear Force and Dibaryon Resonances
13:00	Lunch		
	Chair: Gubler, Philipp		
14:00	Taya, Hidetoshi	Fudan U	Spin hydrodynamics in ultra-relativistic heavy ion collisions
14:30	Yang, Di-Lun	Keio	Spin polarization and quantum transport in relativistic heavy ion collisions
15:00	Yamamoto, Naoki	Keio	Chirality, Topology, and Supernovae
15:30	Break		
	Chair: Ieda, Jun'ichi		
16:00	Kawaguchi, Yuki	Nagoya	Bose-Einstein condensates with spin-orbit interactions
16:30	Matsuo, Mamoru	UCAS	Spin transport driven by spin-vorticity coupling
17:00	Hatano, Naomichi	U. Tokyo	Resonant-state expansion of quantum-mechanical dynamics
18:00	Dinner		

February 18 (Tue)			
	Chair: Maruyama, Toshiki		
9:00	Yoshida, Shinsuke	South China Normal University	Role of the transverse-spin in high energy QCD physics
9:30	Iwasaki, Sachio	TITech	Mixing ratios of quarkonia in time-evolving magnetic fields with CGEM
10:00	Maruyama, Tomoyuki	Nihon Univ.	Gamma-Vortex Generation in Synchrotron Radiation based on Relativistic Quantum Framework
10:30	Break		
	Chair: Myo, Takayuki		
11:00	Ichikawa, Yuichi	RIKEN	Nuclear moment studies using spin-oriented RI beams
11:30	Yoshida, Kazuki	JAEA	Asymmetry in the nucleon knockout reaction with polarized proton beam
12:00	Yamaguchi, Yasuhiro	RIKEN	Tensor force in the heavy hadronic molecules
12:30	Lunch		
	Chair: Sekiguchi, Kimiko		
13:30	Myo, Takayuki	Osaka I. Tech.	Tensor correlations in nuclei
14:00	Lyu, Menjiao	Osaka	High-momentum components in the ^4He nucleus caused by inter-nucleon correlations
14:30	Terashima, Satoru	Beihang	Experimental study for tensor correlations
15:00	Break		
	Chair: Mori, Michiyasu		
15:30	Nakata, Koki	JAEA	Optomagnonic Barnett Effect
16:00	Araki, Yasufumi	JAEA	Dynamical spin-to-charge conversion on the edge of quantum spin Hall insulator
16:30	Schmickler, Christiane	RIKEN	Universality of a few Charged Particles
17:00 - 18:30	Poster		

February 19 (Wed)			
	Chair: Tanida, Kiyoshi		
9:00	Hammer, Hans-Werner	Darmstadt	Proton radius puzzle
9:30	Kato, Yuji	Nagoya	Charmed baryon spectroscopy and other spin related topics from Belle
10:00	Arifi, Jafar Ahmad	JAEA&Osaka	Three-body decays of $\Lambda_c(2765)$ for the determination of spin and parity
10:30	Break		
	Chair: Hamer, Hans-Werner		
11:00	Sekiguchi, Kimiko	Tohoku	Three-nucleon force effects in polarization observables
11:30	Miwa, Koji	Tohoku	Current status of Sigma hyperon and proton scattering experiment and prospects of spin observables
12:00	Sombillo, Denny	Osaka	Classifying hadronic cross-section enhancement using deep neural network
12:30	Oka, Makoto	JAEA	Closing
12:40	Lunch		

Poster, Feb. 18, 17:00 -			
1	Inotani, Daisuke	Keio	P: Superfluid fluctuations in 1S0 superfluidity in neutron stars
2	Yasui, Shigehiro	Keio	P: Topological aspects of neutron 3P2 superfluids in neutron stars
3	Xia, Cheng-Jun	JAEA/Zhejiang	Constraining quark-hadron interface tension in the multimessenger era
4	Philipp Gubler	JAEA	Studying the phi meson in nuclear matter by simulating pA reactions
5	Yamamoto, Naoki	Keio	Chiral Soliton Lattice in QCD
6	Yoshida, Shinsuke	South China Normal University	Role of the transverse-spin in high energy QCD physics
7	Maruyama, Tomoyuki	Nihon Univ.	Identification of Gamma-Ray Vortices with Compton Scattering
8	Yoshida, Kazuki	JAEA	Asymmetry in the nucleon knockout reaction with polarized proton beam
9	Yamaguchi, Yasuhiro	RIKEN	Tensor force in the heavy hadronic molecules
10	Myo, Takayuki	Osaka I. Tech.	Tensor and short-range correlations in light nuclei
11	Lyu, Menjiao	Osaka	High-momentum components in the 4He nucleus caused by inter-nucleon correlations
12	Arifi, Jafar Ahmad	JAEA&Osaka	Three-body decays of $\Lambda_c(2765)$ for the determination of spin and parity
13	Miwa, Koji	Tohoku	Current status of Sigma hyperon and proton scattering experiment and prospects of spin observables
14	Sombillo, Denny	Osaka	Optimizing neural network hyperparameters for pole classification problem
15	Iwasaki, Sachio	TITech	Hadronic Paschen-Back Effect on charmonia
16	Kato, Yuji	Nagoya	TBA
17	Yang, Di-Lun	Keio	Quantum kinetic theory for spin transport of relativistic fermions
18	Schmickler, Christiane	RIKEN	Universality of a few Charged Particles