

## FLQCD 2019 program Apr 15–26 2019

date	time	speaker	title	Chair
15	10:00-11:00	<b>Hanlon</b>	Progress on the $\$H\$$ dibaryon from $\$N_f = 2 + 1\$$ CLS ensembles	S. Aoki
	11:30-12:30			
	15:30-16:30	<b>Sasaki</b>	Dibaryon search from Lattice QCD	Fukaya
16	10:00-11:00	<b>Colangelo</b>	Two-pion contributions to the muon $g-2$	Y. Aoki
	11:30-12:00	<b>Hashimoto</b>	Inclusive processes from lattice QCD(?)	
	14:15-14:45	<b>Akahoshi</b>	Study of the $\$pi pi\$$ scatterings with the combination of all-to-all propagators and the HAL QCD method	Hashimoto
	15:30-16:30		<i>YITP colloquium by Koichi Hattori</i>	
17	10:00-11:00	<b>Nemura</b>	Hyperon-Nucleon interaction from lattice quantum chromodynamics at almost physical masses	Doi
	11:30-12:30	<b>Hoerz</b>	Progress towards nucleon-nucleon interactions with stochastic LapH	
	14:00-15:00	<b>Aoki</b>	Some theoretical issues in the HAL QCD method.	Doi
18	9:30-10:30	<b>Yamazaki</b>	Direct calculation of two-nucleon energy	S.Aoki
symposium	10:30-11:00	<b>Doi</b>	Consistency between Luscher's method and HAL method for two-baryon systems on the lattice	
day	break			
	11:30-12:30	<b>H. Suzuki</b>	Gradient flow and the EMT on the lattice	Doi
	lunch			
	13:30-14:30	<b>Kikukawa</b>	On the gauge-invariant Path-integral measure for the overlap Weyl fermions in 16 of $SO(10)$ / the SM	Onogi
	14:30-15:00	<b>Fukuma</b>	Applying the tempered Lefschetz thimble method to the Hubbard model away from half-filling	
	break			
	15:30-16:00	<b>K Suzuki</b>	Axial $U(1)$ symmetry in high temperature phase of two-flavor QCD	Fukaya
	16:00-16:30	<b>Rohrhofer</b>	$SU(2)_{CS}$ and $SU(4)$ symmetry of high temperature QCD	
	16:30-17:00	<b>Yanagi hara</b>	Stress tensor distribution around static quarks in hot medium	
	dinner			
19	10:00-11:00	<b>Takeda</b>	Tensor network approach to real-time path integral	Y. Aoki
	11:30-12:00	<b>Ohnishi</b>	Path optimization for the sign problem in low-dimensional QCD and QCD effective models at finite density	
	14:00-15:00	<b>Ikeda</b>	Lattice QCD analysis of charmed tetraquark candidates	Y. Aoki
20	holiday			
21	holiday			
22	9:30-10:00	<b>Fukaya</b>	Why is domain-wall fermion mathematically interesting?	S. Aoki
	10:00-11:00	<b>Furuta</b>	The Atiyah-Patodi-Singer index theorem and domain walls	
	11:30-12:30	<b>Onogi</b>	TKNN formula for general Hamiltonian	Fukaya
	14:00-15:00			
23	10:00-11:00	<b>Feng</b>	Long-distance processes: from flavor physics to nuclear physics	Fukaya
	11:30-12:30	<b>Kaneko</b>	$B \rightarrow D^{(*)} \ell \bar{\nu}$ decays at non-zero recoils	
	14:00-14:30	<b>Yamanoto</b>	Mesons in Magnetic Fields	Fukaya
24	10:00-11:00	<b>Walker-Loud</b>	Understanding the axial structure of the nucleon from QCD	Hashimoto
	11:30-12:30	<b>Gongyo</b>	Partial wave decomposition on lattice and its application to HAL method	
	14:00-14:30	<b>Yamanaka</b>	Interglueball potential in lattice gauge theory	Doi
25	10:00-11:00	<b>Sharpe</b>	Progress on implementing the three-particle quantization condition	Onogi
	11:30-12:00	<b>Nakamura</b>	Critical endpoints of the finite temperature QCD	
	14:00-15:00	<b>Kitazawa</b>	Stress tensor on the lattice; multi- and single-quark systems, Casimir effect, and etc.	S. Aoki
26	10:00-11:00	<b>Rinaldi</b>	Nuclear matrix elements for baryogenesis	Y. Aoki
	11:30-12:30	<b>Ohki</b>	Computing Nucleon Electric Dipole Moment in lattice QCD	
	14:00-15:00	<b>Izubuchi</b>	Hadronic contributions to Muon $g-2$	S. Aoki