

Lattice 2024

Monday, 29 July 2024

Hadronic and nuclear spectrum and interactions: LT1 (11:15 - 13:15)

-Conveners: Christopher Thomas

time	[id] title	presenter
11:15	[14] Study of the pion-mass dependence of ρ -meson properties in lattice QCD	YU, Kang
11:35	[136] Physical-mass calculation of $\rho(770)$ and $K^*(892)$ resonance parameters via $\pi\pi$ and $K\pi$ scattering amplitudes from lattice QCD	PITANGA LACHINI, Nelson
11:55	[20] Implementing the relativistic-field-theory finite-volume formalism across all three-pion isospins	Mrs ALOTAIBI, Athari
12:15	[44] Three-particle formalism for multiple channels: the $\eta\pi\pi + KK\pi$ system in isosymmetric QCD	SHARPE, Stephen
12:35	[97] Three-meson scattering amplitudes with physical quark masses	ROMERO-LOPEZ, Fernando
12:55	[474] $\pi\pi\pi$ scattering	Mr YAN, Haobo

Hadronic and nuclear spectrum and interactions: LT1 (14:15 - 16:15)

-Conveners: Gunnar Bali

time	[id] title	presenter
14:15	[35] Quark mass dependence of doubly heavy tetraquark binding	PARROTT, William
14:35	[59] Strong decay of double charm tetra quark T_{cc}	BASAK, Subhasish
14:55	[95] Towards quark mass dependence of T_{cc}	PRELOVSEK, Sasa
15:15	[272] T_{cc} via plane wave approach and including diquark-antidiquark operators	VUJMILOVIĆ, Ivan
15:35	[442] Three-body analysis of the tetraquark $T_{cc}^+(3875)$	DAWID, Sebastian
15:55	[266] Lattice QCD study of $\chi_{cc}-\chi_{cc}$ interactions on the physical point	DOI, Takumi

Tuesday, 30 July 2024

Hadronic and nuclear spectrum and interactions: LT1 (11:15 - 12:35)

-Conveners: Jeremy Green

time	[id] title	presenter
11:15	[43] Predicting the spectrum and decay constants of positive-parity heavy-strange mesons using domain-wall fermions	GUYTON, Forrest
11:35	[190] Static-light meson spectroscopy with optimal distillation profiles	STRUCKMEIER, Laura
11:55	[278] Precision charmonium spectroscopy on CLS ensembles	BALI, Gunnar
12:15	[19] Flavor mixing in charmonium and light mesons with optimal distillation profiles	URREA NINO, Juan Andres

Hadronic and nuclear spectrum and interactions: LT1 (13:45 - 15:45)

-Conveners: Matthew Wingate

time	[id] title	presenter
13:45	[456] Beautiful exotics in a non-perturbatively tuned Lattice NRQCD setup	MOHLER, Daniel
14:05	[377] Antistatic-antistatic-light-light tetraquark potentials with u , d and s quarks from lattice QCD	BICUDO, Pedro
14:25	[74] Tetraquarks $\bar{b}\bar{b}ud$, $I(J^P)=0(1^-)$ and $\bar{b}\bar{c}ud$ with $I(J^P)=0(0^+)$, $0(1^+)$ from Lattice QCD Static Potentials	HOFFMANN, Jakob
14:45	[178] Hybrid static potentials and gluelumps on $N_f=3+1$ ensembles	HÖLLWIESER, Roman
15:05	[349] A scheme for studying the heavy pentaquark spectrum in lattice QCD	TARIQ, Abdullah Shams Bin
15:25	[15] Exotic T_{bc} tetraquarks from Lattice QCD	RADHAKRISHNAN, Archana

Hadronic and nuclear spectrum and interactions: LT1 (16:15 - 17:15)

-Conveners: Christine Davies

time	[id] title	presenter
16:15	[325] The timelike pion form factor and other applications of $I=1$ $\rho\pi\pi$ scattering	MILLER, Nolan
16:35	[343] Timelike pseudoscalar form factors in a coupled channel from lattice QCD	ORTEGA GAMA, Felipe
16:55	[497] The 3-pion K-matrix at NLO in ChPT	SJÖ, Mattias

Wednesday, 31 July 2024

Hadronic and nuclear spectrum and interactions: LT1 (11:15 - 12:55)

-Conveners: Sara Collins

time	[id] title	presenter
11:15	[469] Quark-mass dependence of the $\Delta(1232)$ resonance parameters.	PAUL, Srijit
11:35	[379] Studying lattice artifacts in baryon-baryon variational bounds	PERRY, Robert
11:55	[267] Lattice QCD study on Λ_c -N central and tensor potentials with physical masses	ZHANG, Liang
12:15	[188] $N\bar{N}\psi$ and $N\eta_c$ interactions from lattice QCD	LYU, YAN
12:35	[270] Lattice Calculation of Proton-Proton Fusion Matrix Element	WANG, Zi-Yu

Thursday, 1 August 2024

Hadronic and nuclear spectrum and interactions: LT1 (09:00 - 11:00)

-Conveners: Sinya Aoki

time	[id] title	presenter
09:00	[33] Scalar and tensor charmonium resonances in coupled-channel scattering	WILSON, David
09:20	[69] Extraction of the S and P wave DD^* scattering phase shifts using twisted boundary conditions	NAGATSUKA, Masato
09:40	[232] $DK/D\pi$ scattering and an exotic virtual bound state at the SU(3) flavour symmetric point	YEO, Daniel
10:00	[296] Near-threshold states in coupled $DD^{\dagger}D^{\dagger}D^{\dagger}$ scattering from lattice QCD	WHYTE, Travis
10:20	[305] Open-charm axial-vector and tensor meson resonances from Lattice QCD	LANG, Nicolas
10:40	[143] $X(3872)$ relevant $D\bar{D}^*$ scattering in $N_f=2$ lattice QCD	SHI, Chunjiang

Hadronic and nuclear spectrum and interactions: TR5 (09:00 - 11:00)

-Conveners: Felix Erben

time	[id] title	presenter
09:00	[319] Relativistic corrections to the quark-anti-quark static potential with gradient flow	EICHBERG, Michael
09:20	[148] 1^{+-} Light Hybrid Decay	CHEN, Siyang
09:40	[437] Towards glueball scattering in lattice Yang-Mills theory	HANSEN, Maxwell
10:00	[56] Scattering of Dark Pions in Sp(4) gauge theory	DENGLER, Yannick
10:20	[211] Results on meson-meson scattering at large N_c	BAEZA-BALLESTEROS, Jorge
10:40	[201] Precise decay rate for $\eta_b \rightarrow \gamma\gamma$ with Highly Improved Staggered Quarks	COLQUHOUN, Brian

Hadronic and nuclear spectrum and interactions: LT1 (11:30 - 12:30)

-Conveners: William Detmold

time	[id] title	presenter
11:30	[60] Left-hand cut and the HAL QCD method	AOKI, Sinya
11:50	[484] The Lüscher scattering formalism on the left-hand cut: an update	RAPOSO, Andre
12:10	[81] The finite-volume spectrum in the presence of a long-range force	Dr RUSSETSKY, Akaki

Hadronic and nuclear spectrum and interactions: TR5 (11:30 - 12:30)

-Conveners: Fernando Romero-Lopez

time	[id] title	presenter
11:30	[339] Lattice calculation of hadron spectrum including isospin breaking effect	Mr LU, Chenfei
11:50	[318] Error Scaling of Sea Quark Isospin-Breaking Effects	COTELLUCCI, Alessandro

12:10	[332] Update on the isospin breaking corrections to the HVP with C-periodic boundary conditions	PARATO, Letizia
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Friday, 2 August 2024

Hadronic and nuclear spectrum and interactions: LT1 (11:15 - 13:15)

-Conveners: Colin Morningstar

time	[id] title	presenter
11:15	[22] Exploring Single-Flavor Dibaryons: A lattice perspective	DHINDSA, Navdeep Singh
11:35	[198] Universality of the continuum limit for the H dibaryon	GREEN, Jeremy
11:55	[345] Connecting Lattice QCD Nucleon-Pion Scattering to Nuclear Ab Initio Calculations	MEYER, Aaron
12:15	[117] Spectral analysis for nucleon-pion and nucleon-pion-pion states in both parity sectors using distillation with domain wall fermions	HACKL, Andreas
12:35	[110] Pole trajectories of the $\Lambda(1380)$ and $\Lambda(1405)$ resonances from the combination of lattice and experimental data	PITTLER, Ferenc
12:55	[166] $\Lambda(1405)$ in the flavor SU(3) limit using a separable potential in the HAL QCD method	MURAKAMI, Kotaro

Hadronic and nuclear spectrum and interactions: LT1 (14:15 - 16:15)

-Conveners: David Wilson

time	[id] title	presenter
14:15	[13] Learning Hadron Interactions from Lattice QCD	WANG, Lingxiao
14:35	[18] Generalized boost transformations in finite volumes and application to Hamiltonian methods	WU, Jia-jun
14:55	[96] Distillation and position-space sampling for local multiquark interpolators	STUMP, Andres
15:15	[382] Progress in Reconstructing the Hadronic Tensor from Euclidean Correlators	STEWART, Douglas
15:35	[479] Reconstruction of the vector meson propagator using a generalized eigenvalue problem	FRECH, Fabian Justus
15:55	[445] Updates on anisotropic pure gauge ensembles with HISQ	TRIMIS, Ioannis