

The 39th International Symposium on Lattice Field Theory (Lattice 2022)

Monday, August 8, 2022

Hadron Spectroscopy and Interactions: Hadron Spectroscopy and Interactions I - CP1-HSZ/Ground-0.010 - HS2 (2:00 PM - 4:00 PM)

-Conveners: William Detmold

time	[id] title	presenter
2:00 PM	[M99] $\pi^+ \pi^+ K^+ K^+$ and $\pi^+ K^+ K^+ K^+$ interactions from the lattice	SHARPE, Stephen
2:20 PM	[M133] Multihadron resonances in a finite volume	MAI, Maxim
2:40 PM	[M85] Three particle resonance in lattice ϕ^4 theory	GAROFALO, Marco
3:00 PM	[M2] Relativistic invariance of the NREFT three-particle quantization condition	MÜLLER, Fabian
3:20 PM	[M48] Two- and three-particle scattering in the (1+1)-dimensional O(3) non-linear sigma model	BAEZA-BALLESTEROS, Jorge
3:40 PM	[M18] Towards the finite-volume spectrum of the Roper resonance	SEVERT, Daniel

Hadron Spectroscopy and Interactions: Hadron Spectroscopy and Interactions II - CP1-HSZ/Ground-0.010 - HS2 (4:30 PM - 6:30 PM)

-Conveners: Stephen Sharpe

time	[id] title	presenter
4:30 PM	[M07] Finite volume pionless effective field theory for nuclear systems	DETMOLD, William
4:50 PM	[M57] 6144 Pions in a Box	ABBOTT, Ryan
5:10 PM	[M80] Implementing the finite-volume scattering and decay formalism across all three-pion isospin channels	HANSEN, Max
5:30 PM	[M81] The Lüscher scattering formalism on the t-channel cut	Mr BAIÃO RAPOSO, Andre
5:50 PM	[M70] Formalism for studying $\gamma \square \square \rightarrow \pi \pi$ in a finite, Euclidean spacetime	BRICENO, Raul
6:10 PM	[M38] Finite volume corrections for form factors of two-nucleon systems	ORTEGA GAMA, Felipe

Tuesday, August 9, 2022

Hadron Spectroscopy and Interactions: Hadron Spectroscopy and Interactions III - CP1-HSZ/Ground-0.010 - HS2 (2:00 PM - 4:00 PM)

-Conveners: Sara Collins

time	[id] title	presenter
2:00 P	M105] Evidence for a doubly charm tetraquark in DD^{*} scattering	MADANAGOPALAN, Padmanath
2:20 P	M103] Doubly charm tetraquark and its quark mass dependence	PRELOVSEK, Sasa
2:40 P	M100] Lattice study on a tetra-quark state T_{bb} in the HALQCD method	AOKI, Sinya
3:00 P	M149] D meson -- pion scattering on CLS 2+1 flavor ensembles	MOHLER, Daniel
3:20 P	M102] Charmonium-like states with $J^P=1^{+}$ and isospin 1	SADL, Mitja
3:40 P	M186] Optimized meson operators for charmonium spectroscopy and mixing with glueballs	Mr URREA NINO, Juan Andres

Hadron Spectroscopy and Interactions: Hadron Spectroscopy and Interactions IV - CP1-HSZ/Ground-0.010 - HS2 (4:30 PM - 6:30 PM)

-Conveners: Padmanath Madanagopalan

time	[id] title	presenter
4:30 P	M226] A determination of the gradient flow scale on $N_f=2+1$ CLS ensembles	Dr COLLINS, Sara
4:50 P	M433] Benchmark Continuum Limit Results for Spectroscopy with Stabilized Wilson Fermions	PEDERIVA, Giovanni
5:10 P	M256] The static energy of a quark-antiquark pair from Laplacian eigenmodes	HÖLLWIESER, Roman
5:30 P	M173] Lattice field theory results for hybrid static potentials at short quark-antiquark separations and their parametrization	SCHLOSSER, Carolin
5:50 P	M125] Antiheavy-antiheavy-light-light four-quark bound states	PFLAUMER, Martin
6:10 P	M174] The continuum limit with various discretized fermion actions	ZHAO, Dianjun

Thursday, August 11, 2022

Hadron Spectroscopy and Interactions: Hadron Spectroscopy and Interactions V - CP1-HSZ/1st-1.002 - HS6 (9:00 AM - 11:00 AM)

-Conveners: Daniel Mohler

time	[id] title	presenter
9:00 AM	[M29] The glueball spectrum with $N_f=4$ light fermions	Dr ATHENODOROU, Andreas
9:20 AM	[M45] Lattice calculation of glueball masses using the renormalized energy-momentum tensor with gradient flow	SAKAI, Keita
9:40 AM	[M10] Anisotropy from the Wilson flow in QED in 2+1 dimensions	ROMITI, Simone
10:00 AM	[M2] Scale Setting for RBC-UKQCD 2+1 flavor Domain Wall Fermion Lattices	MAWHINNEY, Robert
10:20 AM	[M8] Setting the Scale Using Baryon Masses with Isospin-Breaking Corrections	SEGNER, Alexander
10:40 AM	[M9] Static Energy in (2+1+1)-Flavor Lattice QCD: Scale Setting and Charm Effects	WEBER, Johannes Heinrich

Hadron Spectroscopy and Interactions: Hadron Spectroscopy and Interactions VI - CP1-HSZ/Ground-0.010 - HS2 (11:30 AM - 12:50 PM)

-Conveners: Amy Nicholson

time	[id] title	presenter
11:30 AM	[M6] Two-baryon variational spectroscopy	WAGMAN, Michael
11:50 AM	[M6] Hadronic observables from master-field simulations	Dr CÈ, Marco
12:10 PM	[M2] Non-perturbative heavy quark action tuning using machine learning	HUDSPITH, Renwick
12:30 PM	[M9] Exploring distillation at the SU(3) flavour symmetric point	JOSWIG, Fabian

Friday, August 12, 2022

Hadron Spectroscopy and Interactions: Hadron Spectroscopy and Interactions VII - CP1-HSZ/1st-1.004 - HS7 (2:10 PM - 4:10 PM)

-Conveners: Maxim Mai

time	[id] title	presenter
2:10 PM	[M35] Resolving the NN controversy: a direct comparison of methods used for Luscher and the potential	NICHOLSON, Amy
2:30 PM	[M19] Investigating Unitarity Violation With Chiral Perturbation Theory	DRAPER, Zachary
2:50 PM	[M90] Long-range matrix elements with three-body intermediate states	JACKURA, Andrew
3:10 PM	[M49] The long-distance behavior of the vector correlator from pi-pi scattering at the physical point.	PAUL, Srijit
3:30 PM	[M90] Precise determination of decay rates for $J/\Psi \rightarrow \gamma \eta_c$, $J/\Psi \rightarrow \eta_c e^+ e^-$ and $\eta_c \rightarrow \gamma \gamma$	Dr COLQUHOUN, Brian
3:50 PM	[M24] Hadronic Parity Violation from Twisted Mass Lattice QCD	SCHLAGE, Nikolas

Hadron Spectroscopy and Interactions: Hadron Spectroscopy and Interactions VIII - CP1-HSZ/1st-1.004 - HS7 (4:40 PM - 6:40 PM)

-Conveners: Max Hansen

time	[id] title	presenter
4:40 PM	[M65] An update on QCD+QED simulations with C^* boundary conditions	LÜCKE, Jens
5:00 PM	[M67] The σ resonance as a bound, virtual bound and resonant estate.	RODAS, Arkaitz
5:20 PM	[M99] The $I=1/2$ and $3/2$ $K\pi$ scattering length with domain wall fermions at physical pion mass with all-to-all propagators	MUKHERJEE, Rajnandini
5:40 PM	[M15] Towards $K\pi$ scattering with domain-wall fermions at the physical point using distillation	PITANGA LACHINI, Nelson