

Lattice 2023

Monday, 31 July 2023

Hadronic and Nuclear Spectrum and Interactions - Curia II (13:30 - 15:30)

-Conveners: Anthony Francis

time	[id] title	presenter
13:30	[142] Tcc tetraquark and the continuum limit with clover fermions	GREEN, Jeremy R.
13:50	[276] Doubly charm tetraquark using meson-meson and diquark-antidiquark interpolators	ORTIZ PACHECO, Emmanuel
14:10	[57] Doubly charmed tetraquark T_{cc}^{++} in (2+1)-flavor lattice QCD near physical point	AOKI, Sinya
14:30	[267] Search for isoscalar axialvector $\bar{bc}u$ tetraquark bound states	Dr PADMANATH, M
14:50	[24] Meson-meson scattering in $N_f=4$ QCD	BAEZA-BALLESTEROS, Jorge

Hadronic and Nuclear Spectrum and Interactions - Curia II (16:00 - 17:40)

-Conveners: Antonin Portelli

time	[id] title	presenter
16:00	[381] Quark masses and low energy constants in the continuum from the tadpole improved clover ensembles	HU, Bolun
16:20	[9] QED Corrections to Meson and Bare Quark Masses	SWAIM, Joshua
16:40	[158] Precision Determination of Baryon Masses including Isospin-breaking	SEGNER, Alexander
17:00	[19] The two-pole nature of the $\Lambda(1405)$ from lattice QCD	ROMERO-LOPEZ, Fernando
17:20	[97] Study on $\Lambda(1405)$ in the flavor SU(3) limit in the HAL QCD method	MURAKAMI, Kotaro

Tuesday, 1 August 2023

Hadronic and Nuclear Spectrum and Interactions - Curia II (13:30 - 15:30)

-Conveners: Sinya Aoki

time	[id] title	presenter
13:30	[348] Spectroscopy of heavy-light mesons	RYAN, Sinead
13:50	[194] Charmonium spectroscopy with optimal distillation profiles	URREA NINO, Juan Andres
14:10	[280] Optimized Distillation Profiles for Heavy-Light Spectroscopy	Mr NEUENDORF, Jan
14:30	[162] Charmonium-like channels χ_{c1}^{+-} and χ_{c1}^{++} with isospin 1	SADL, Mitja
14:50	[394] Isospin- $\frac{1}{2}, \frac{3}{2}$ $D^{(*)} \pi$ scattering and the D_0^{*} resonance	YAN, Haobo
15:10	[283] Towards a high-precision description of the ρ and K^* resonances	LACHINI, Nelson

Wednesday, 2 August 2023

Hadronic and Nuclear Spectrum and Interactions - Curia II (09:00 - 10:40)

-Conveners: Andre Walker-Loud

time	[id] title	presenter
09:00	[209] Pion-N and Other Nucleon Excited States in Nucleon Two- and Three-point Functions	LIU, Keh-Fei
09:20	[59] Investigations of nucleon-pion states	HACKL, Andreas
09:40	[159] Investigation of two-particle contributions to nucleon matrix elements	LI, Yan
10:00	[370] Spectroscopy of Nucleon-Pion Systems using Sparsened Interpolators	GREBE, Anthony
10:20	[16] Lattice QCD studies of the Δ baryon resonance and the $K_0^*(700)$ and $a_0(980)$ meson resonances	SKINNER, Sarah

Thursday, 3 August 2023

Hadronic and Nuclear Spectrum and Interactions - Curia II (13:30 - 15:30)

-Conveners: Fernando Romero-Lopez

time	[id] title	presenter
13:30	[359] Finite-volume scattering on the left-hand cut	BAIAO RAPOSO, Andre
13:50	[375] Breakdown of Lüscher Formalism near Left Hand Cuts	ISLAM, Md Habib E
14:10	[53] Resolving the left-hand-cut problem in lattice studies of the doubly-charmed tetraquark	SHARPE, Steve
14:30	[12] The three-pion K-matrix at NLO in chiral perturbation theory	SJÖ, Mattias
14:50	[156] Analytic continuation of the finite-volume three-particle amplitudes	DAWID, Sebastian
15:10	[207] Three Relativistic Spinning Particles in a Box	DRAPER, Zachary

Hadronic and Nuclear Spectrum and Interactions - Curia II (16:00 - 18:00)

-Conveners: Steve Sharpe

time	[id] title	presenter
16:00	[65] Computation of relativistic corrections to the static potential from generalized Wilson loops at finite flow time	EICHBERG, Michael
16:20	[137] Antistatic-antistatic-light-light potentials from lattice QCD	MUELLER, Lasse
16:40	[183] Hybrid static potentials from Laplacian eigenmodes	HÖLLWIESER, Roman
17:00	[227] Nucleon-hyperon interaction from lattice QCD on physical point	DOI, Takahiro
17:20	[336] To bind or not to bind, a question of various two-nucleon interpolators	WALKER-LOUD, Andre
17:40	[351] Variational study of NN systems and the H dibaryon	SHANAHAN, Phiala

Friday, 4 August 2023

Hadronic and Nuclear Spectrum and Interactions - Curia II (09:00 - 10:40)

-Conveners: Maxwell Hansen

time	[id] title	presenter
09:00	[127] Progress in generating gauge ensembles with Stabilized Wilson Fermions	Prof. FRANCIS, Anthony
09:20	[218] Exploring the anisotropic HISQ (aHISQ) action	TRIMIS, Ioannis
09:40	[262] Testing formalism for $\gamma^* \rightarrow 3\pi$ and $K \rightarrow 3\pi$	BRICENO, Raul
10:00	[237] Timelike pion form factor from lattice QCD	ORTEGA GAMA, Felipe
10:20	[187] The quenched glueball spectrum from smeared spectral densities	SMECCA, Antonio