

Lattice 2023

Monday, 31 July 2023

Structure of Hadrons and Nuclei - One West (13:30 - 15:30)

-Conveners: Huey-Wen Lin

time	[id] title	presenter
13:30	[367] Flavor diagonal nucleon charges from clover fermions on MILC HISQ ensembles.	PARK, Sungwoo
13:50	[222] Octet baryon charges with $N_f=2+1$ non-perturbatively improved Wilson fermions	WEISHÄUPL, Simon
14:10	[382] Flavour-breaking effecting in the Hyperon charges	ZANOTTI, James
14:30	[293] On the Baryon Octet: Sigma Terms in the continuum limit from $N_{\mathrm{f}} = 2+1$ QCD with Wilson fermions	PETRAK, Pia Leonie Jones
14:50	[110] The pion scalar form factor with $N_f=2+1$ Wilson fermions	OTTNAD, Konstantin
15:10	[79] Comparison with model-independent and dependent analyses for pion charge radius	Mr SATO, Kohei

Tuesday, 1 August 2023

Structure of Hadrons and Nuclei - One West (13:30 - 15:30)

-Conveners: Takeshi Yamazaki

time	[id] title	presenter
13:30	[99] Proton and neutron electromagnetic charge radii and magnetic moments from $N_f = 2 + 1$ lattice QCD	SALG, Miguel
13:50	[34] Discretization effects on nucleon root-mean-square radii from lattice QCD at the physical point	TSUJI, Ryutaro
14:10	[289] Nucleon Axial Form Factor from Domain Wall on HISQ	MEYER, Aaron
14:30	[44] Nucleon isovector form factors from domain-wall lattice QCD at physical mass	OHTA, Shigemi
14:50	[345] Nucleon electromagnetic form factors at large momentum from Lattice QCD	SYRITSYN, Sergey
15:10	[62] Lattice QCD prediction of pion and kaon electromagnetic form factor at large Q^2 up to 10 and 28 GeV^2	SHI, Qi

Structure of Hadrons and Nuclei - One West (16:20 - 18:00)

-Conveners: Nikhil Karthik

time	[id] title	presenter
16:20	[23] Leading Power Accuracy in Lattice Calculations of Parton Distributions	SU, Yushan
16:40	[198] Updates on Pion and Kaon Valence-Quark and Gluon Distributions from $N_f=2+1+1$ QCD	LIN, Huey-Wen
17:00	[210] Extracting the Pion Distribution Amplitude from Lattice QCD through Pseudo-Distributions	Mr KOVNER, Daniel
17:20	[128] Lattice Constraints on the Fourth Mellin Moment of the Pion LCDA using the HOPE Method	PERRY, Robert
17:40	[113] Parton Distributions from Boosted Fields in the Coulomb Gauge	ZHAO, Yong

Wednesday, 2 August 2023

Structure of Hadrons and Nuclei - One West (09:00 - 10:40)

-Conveners: Martha Constantinou

time	[id] title	presenter
09:00	[259] Generalized form factors of the pion and kaon using twisted mass fermions	DELMAR, Joseph
09:20	[192] Gravitational form factors of the pion and the nucleon	PEFKOU, Dimitra
09:40	[245] Trace anomaly form factor of the pion and the nucleon from lattice QCD	Dr WANG, Bigeng
10:00	[133] Quark orbital angular momentum in the proton from a twist-3 generalized parton distribution	ENGELHARDT, Michael

Thursday, 3 August 2023

Structure of Hadrons and Nuclei - One West (13:30 - 15:30)

-Conveners: Peter Petreczky

time	[id] title	presenter
13:30	[56] A new approach for computing GPDs from asymmetric frames	BHATTACHARYA, Shohini
13:50	[343] Helicity GPD for the proton using an asymmetric kinematic setup	MILLER, Joshua
14:10	[266] Toward a precision calculation of generalized parton distribution functions.	HOLLIGAN, Jack
14:30	[132] Towards Unpolarized GPDs from Pseudo-Distributions	KARPIE, Joseph
14:50	[45] Unveiling Generalized Parton Distributions through the Pseudo-Distribution Approach	NURMINEN, Niilo
15:10	[332] Twist-3 axial GPDs of the proton from lattice QCD	CONSTANTINO, Martha

Structure of Hadrons and Nuclei - One West (16:00 - 18:00)

-Conveners: Jeremy Green

time	[id] title	presenter
16:00	[26] Lattice extraction of the TMD soft function using the auxiliary field representation of the Wilson line	MORRIS, Wayne
16:20	[398] Collins-Soper kernel from lattice QCD at the physical pion mass	AVKHADIEV, Artur
16:40	[273] Perturbative study of renormalization and mixing for asymmetric staple-shaped Wilson-line operators on the lattice	Dr SPANOUEDES, Gregoris
17:00	[350] Renormalization of transverse-momentum-dependent parton distribution on the lattice	ZHANG, Kuan
17:20	[63] Renormalization of nonlocal gluon operators in lattice perturbation theory	GAVRIEL, Demetrianos
17:40	[136] How Gluon Pseudo-PDF Matrix Elements Depend on Gauge Smearing	GOOD, William

Friday, 4 August 2023

Structure of Hadrons and Nuclei - One West (09:00 - 10:40)

-Conveners: Lasse Mueller

time	[id] title	presenter
09:00	[148] Lattice QCD calculation of the nucleon electromagnetic polarizability	WANG, Xuan-He
09:20	[302] Magnetic polarizability of a charged pion from four-point functions	LEE, Frank
09:40	[379] The parity-odd structure function of nucleon from Compton amplitude	CAN, K. Utku
10:00	[205] Nucleon elastic and resonance structures from hadronic tensor in lattice QCD: implications for neutrino-nucleon scattering	SUFIAN, Raza