

The 38th International Symposium on Lattice Field Theory

Monday, July 26, 2021

Hadron Structure (1:00 PM - 3:00 PM)

-Conveners: David Richards

time	[id] title	presenter
1:00 PM	[67] Investigating $N \rightarrow N\pi$ axial matrix elements	Mr BARCA, Lorenzo
1:15 PM	[295] Patterns of flavour symmetry breaking in hadron matrix elements involving u, d and s quarks	HORSLEY, Roger
1:30 PM	[43] Nucleon Charges and Sigma Terms from $N_f = 2 + 1$ QCD	JENKINS, Daniel
1:45 PM	[229] Improved analysis of nucleon isovector charges and twist-2 matrix elements on CLS $N_f=2+1$ ensembles	OTTNAD, Konstantin
2:00 PM	[539] Flavor diagonal nucleon charges	PARK, Sungwoo
2:15 PM	[527] Excited states and precision results for nucleon charges and form factors	GUPTA, Rajan
2:30 PM	[457] Nucleon isovector momentum fraction, helicity and transversity moment using Lattice QCD	MONDAL, Santanu
2:45 PM	[612] Towards a variational calculation of nucleon elastic structure	WALKER-LOUD, Andre

Hadron Structure (9:00 PM - 10:00 PM)

time	[id] title	presenter
9:00 PM	[152] The lower moments of nucleon structure functions in lattice QCD with physical quark masses	TSUJI, Ryutaro
9:15 PM	[190] Compton amplitude and the nucleon structure functions via the Feynman-Hellmann theorem	Dr CAN, Kadir Utku
9:30 PM	[359] Nucleon Form Factors from the Feynman-Hellmann Method in Lattice QCD	BATELAAN, Mischa
9:45 PM	[185] Generalised Parton Distributions from Feynman-Hellmann Techniques in Lattice QCD	Mr HANNAFORD-GUNN, Alec

Tuesday, July 27, 2021

Hadron Structure (5:00 AM - 8:00 AM)

-Conveners: Sara Collins

time	[id] title	presenter
5:00 AM	[244] Lattice QCD calculation of the two-photon exchange contribution to the muonic-hydrogen Lamb shift	FU, Yang
5:15 AM	[25] Nucleon isovector form factors from physical-mass 2+1-flavor domain-wall QCD	OHTA, Shigemi
5:30 AM	[357] Lattice QCD calculation of the proton electromagnetic polarizability	WANG, Xuan-He
5:45 AM	[30] Leading order mesonic and baryonic SU(3) low energy constants from $N_f=3$ lattice QCD	WEISHÄUPL, Simon
6:00 AM	[29] Finite volume corrections to forward Compton scattering off the nucleon	LOZANO DE LA PARRA, Jonathan
6:15 AM	[464] Hadronic vacuum polarization from step scaling in the Schwinger model	FRECH, Fabian
6:30 AM	[54] Structure-Dependent Electromagnetic Finite-Size Effects	HERMANSSON TRUEDSSON, Nils
6:45 AM	[70] Nucleon-pion-state contamination in lattice computations of the nucleon electromagnetic form factors	Dr BAER, Oliver
7:00 AM	[86] Isoscalar electromagnetic form factors of the nucleon in $N_{\text{f}} = 2 + 1$ lattice QCD	Mr SALG, Miguel
7:15 AM	[147] On the axial-vector form factor of the nucleon and chiral symmetry	LUTZ, Matthias F M
7:30 AM	[401] Nucleon form factors from $N_f=2+1+1$ twisted mass QCD at the physical point	KOUTSOU, Giannis
7:45 AM	[406] Isovector Axial Vector Form Factors of the Nucleon from Lattice QCD with $N_f=2+1$ $\mathcal{O}(a)$ -improved Wilson Fermions	Mr SCHULZ, Tobias

Hadron Structure (1:00 PM - 3:00 PM)

-Conveners: Michael Engelhardt

time	[id] title	presenter
1:00 PM	[354] Variations to the z-Expansion of the Form Factor Describing the Decay of B Mesons	SIMONS, Daniel
1:15 PM	[94] Towards a Calculation of the Nucleon Axial Form factor with Highly Improved Staggered Quarks	LIN, Yin
1:30 PM	[291] Nucleon Axial Form Factor from Domain Wall on HISQ	MEYER, Aaron
1:45 PM	[519] Nucleon Form Factors in the Continuum Limit from Clover-on-HISQ Formulation	Dr JANG, Yong-Chull
2:00 PM	[497] Progress on the extraction of parton distributions from Ioffe time distributions	ZAFEIROPOULOS, Savvas
2:15 PM	[72] PDF in PDFs from Lattice Formulation	LIU, Kehfei
2:30 PM	[51] Flavor decomposition for the proton unpolarized, helicity and transversity parton distribution functions	MANIGRASSO, Floriano
2:45 PM	[427] Towards determining polarized gluon distribution from lattice QCD	SUFIAN, Raza

Hadron Structure (9:00 PM - 11:00 PM)**-Conveners: Shigemi Ohta**

time	[id] title	presenter
9:00 PM	[465] Calculation of the Gluon PDF using Pseudo-PDF technique	KHAN, Md Tanjib Atique
9:15 PM	[119] Gluon Parton Distribution of the Pion and Nucleon from Lattice QCD	FAN, Zhouyou
9:30 PM	[449] Unpolarized and polarized gluon pseudo-distributions at short distances: Forward case	MORRIS, Wayne
9:45 PM	[127] Strange and charm contributions to nucleon charges and moments	ZHANG, Rui
10:00 PM	[605] Gravitational form factors of the proton	HACKETT, Daniel
10:15 PM	[434] Gravitational Form Factors for Hadrons of Different Spins	PEFKOU, Dimitra
10:30 PM	[198] The contribution of QCD trace anomaly to hadron mass	HE, Fangcheng
10:45 PM	[201] Comparison of the MOM and SMOM renormalization	YANG, Yi-Bo

Wednesday, July 28, 2021

Hadron Structure (5:00 AM - 8:00 AM)

-Conveners: Oliver Baer; Christopher Sachrajda

time	[id] title	presenter
5:00 AM	[402] Pion and rho structure functions from $N_f=2+1$ lattice QCD	LÖFFLER, Marius
5:15 AM	[154] Double parton distributions in the nucleon from lattice simulations	ZIMMERMANN, Christian
5:30 AM	[441] Virtual Photon Emission in Leptonic Decays of Pseudoscalar Mesons	MAZZETTI, Filippo
5:45 AM	[381] Gauge-invariant renormalization of fermion bilinears and energy-momentum tensor on the lattice	Dr SPANOUEDES, Gregoris
6:00 AM	[524] Towards High-Precision Nucleon Parton Distributions via Distillation	EGERER, Colin
6:15 AM	[552] Towards precision calculation of partonic structure of hadrons from lattice QCD	ZHANG, Jianhui
6:30 AM	[574] NNLO Corrections to Quark Quasi Distributions	ZHU, Ruilin
6:45 AM	[253] The systematic effects study in lattice calculation of soft function	XIA, Shicheng
7:00 AM	[363] Determination of the Collins-Soper Kernel from Lattice QCD	SCHLEMMER, Maximilian
7:15 AM	[507] Transverse Momentum Dependent Parton Distribution Functions From Large Momentum Effective Theory	Mr -LIU, -Yizhuang
7:30 AM	[520] Lattice-QCD Calculations of TMD Soft Function Through Large-Momentum Effective Theory	ZHANG, Qi-An
7:45 AM	[531] Lattice QCD Calculations of Transverse-Momentum-Dependent Wave Function through Large-Momentum Effective Theory	CHU, Min-Huan

Hadron Structure (2:00 PM - 3:00 PM)

-Conveners: Luigi Del Debbio

time	[id] title	presenter
2:00 PM	[53] Precision calculation of the x -dependence of PDFs from lattice QCD	Dr ZHAO, Yong
2:15 PM	[268] Valence structure of pion: physical mass, chiral quarks	GAO, Xiang
2:30 PM	[525] The transversity PDF of the nucleon using the pseudo-distribution approach	Dr KARTHIK, Nikhil KARTHIK, Nikhil
2:45 PM	[39] Recent Progress in Lattice Parton Distributions	LIN, Huey-Wen

Hadron Structure (9:00 PM - 11:00 PM)

-Conveners: James Zanotti

time	[id] title	presenter
9:00 PM	[468] x -dependence reconstruction of pion and kaon PDFs from Mellin moments	LAUER, Colin
9:15 PM	[461] Semileptonic decays of heavy baryons to negative-parity baryons	Prof. MEINEL, Stefan
9:30 PM	[536] Self-Renormalization of Quasi-Light-Front Correlators on the Lattice	SU, Yushan
9:45 PM	[328] Composition of the inclusive semi-leptonic decay of B meson	HASHIMOTO, Shoji
10:00 PM	[341] Neutrino-nucleon inclusive scattering cross sections on the lattice	YOO, Jun-Sik

10:15 PM	[367] The $q\bar{q}$ potential from Wilson loop and the $q\bar{q}$ potential from Nambu-Bethe-Salpeter wave function	ISHII, Noriyoshi
10:30 PM	[443] Lattice QCD calculation of the subtraction function	SANKEY, Eddie

Thursday, July 29, 2021

Hadron Structure (1:00 PM - 3:00 PM)

-Conveners: Raza Sufian

time	[id] title	presenter
1:00 PM	[137] Decomposition of the proton spin from lattice QCD	HADJIYIANNAKOU, Kyriakos
1:15 PM	[421] Lattice Observables for Parton Distributions	DEL DEBBIO, Luigi
1:30 PM	[313] Generalized parton distributions of the proton from lattice QCD	SCAPELLATO, Aurora
1:45 PM	[500] Relating Euclidean correlators and light-cone correlators beyond leading twist	METZ, Andreas
2:00 PM	[288] First study of twist-3 PDFs and GPDs for the proton from Lattice QCD	Prof. CONSTANTINO, Martha
2:15 PM	[338] Charged and neutral pion magnetic polarisabilities using the background field method	Dr BIGNELL, Ryan
2:30 PM	[118] Charged Pion Electric Polarizability from Lattice QCD	NIYAZI, Hossein
2:45 PM	[184] Pion electric polarizabilities from lattice QCD	JIN, Luchang

Hadron Structure (9:00 PM - 11:00 PM)

-Conveners: Yi-Bo Yang

time	[id] title	presenter
9:00 PM	[413] Calculation of the second moment of the pion light-cone distribution amplitude	GREBE, Anthony
9:15 PM	[336] Investigation of the fourth moment of the pion light-cone distribution amplitude	PERRY, Robert
9:30 PM	[508] Distribution Amplitudes of K^* and ϕ from Lattice QCD	HUA, Jun
9:45 PM	[622] Pion and kaon distribution amplitude at physical masses	SCIOR, Philipp
10:00 PM	[463] Pion Distribution Amplitudes in the Continuum Limit	JULIANO, Nicholas
10:15 PM	[550] Quark spin-orbit correlations in the proton	ENGELHARDT, Michael
10:30 PM	[173] Proton momentum and angular momentum decomposition with overlap fermions	WANG, Gen
10:45 PM	[360] Direct Measurement and Renormalisation of Quark and Gluon Momentum Fractions in the Quenched Approximation	HOWSON, Tomas