



# The 37th International Symposium on Lattice Field Theory (Lattice 2019)

## Monday 17 June 2019

### Hadron structure - Wuchang (14:20 - 16:00)

-Conveners: Thomas Blum

time	[id] title	presenter
14:20	[16] Status of the muon $g-2$ hadronic vacuum polarization calculation by RBC/UKQCD	LEHNER, Christoph
14:40	[82] Update from FNAL/HPQCD/MILC on the hadronic vacuum polarization contribution to $(g-2)_\mu$	DETAR, Carleton
15:00	[18] The hadronic contribution to the running of the electroweak mixing angle	Dr CÈ, Marco
15:20	[30] The hadronic contribution to the running of the electromagnetic coupling	SAN JOSÉ PÉREZ, Miguel Teseo
15:40	[271] Taming statistical and systematic uncertainties in the hadronic vacuum polarization contribution of light quarks to the muon $(g-2)_\mu$	Prof. LELLOUCH, Laurent

### Hadron structure - Wuchang (16:30 - 17:50)

-Conveners: Luchang Jin

time	[id] title	presenter
16:30	[115] Hadronic vacuum polarization in finite volume using NNLO ChPT	Prof. AUBIN, Christopher
16:50	[27] Electromagnetic finite-size effects to the hadronic vacuum polarisation	HERMANSSON TRUEDSSON, Nils
17:10	[117] Lepton anomalous magnetic moments in Lattice QCD+QED	GIUSTI, Davide
17:30	[261] Exclusive Channel Study of the Muon HVP	MEYER, Aaron

## Tuesday 18 June 2019

### Hadron structure - Wuchang (14:20 - 16:00)

-Conveners: CARLETON DETAR

time	[id] title	presenter
14:20	[74] Leading isospin breaking effects in the hadronic vacuum polarisation with open boundaries	RISCH, Andreas WITTIG, Hartmut
14:40	[123] The leading hadronic vacuum polarization contribution to $(g-2)_{\mu}$ using $N_f=2+1$ $O(a)$ improved Wilson quarks	Dr GÉRARDIN, Antoine
15:00	[213] Developments in the position-space approach to the HLbL contribution to the muon $g-2$ on the lattice.	ASMUSSEN, Nils

### Hadron structure - Wuchang (16:30 - 17:50)

-Conveners: Vera Guelpers

time	[id] title	presenter
16:30	[28] Hadronic Light-by-Light contribution to $g-2$ update	BLUM, Thomas
16:50	[285] Hadronic Tau decay and muon $g-2$	IZUBUCHI, Taku
17:10	[78] QED corrections to hadronic observables	TOTH, Balint

# Wednesday 19 June 2019

## Hadron structure - Wuchang (09:00 - 10:40)

-Conveners: yibo yang

time	[id] title	presenter
09:00	[11] Matching Quasi Generalized Parton Distributions in the RI/MOM scheme	Dr LIU, Yu-Sheng
09:20	[119] Accessing flavor-singlet quark and gluon parton distributions from lattice QCD	Dr ZHANG, Jianhui
09:40	[46] Quasi-PDFs with twisted mass fermions	CICHY, Krzysztof
10:00	[134] Parton Distribution Functions from Euclidean-Space Correlation Functions in Ioffe Time	RICHARDS, David
10:20	[133] Lattice "Cross-Sections" - Pion PDFs from Pseudo-PDFs and Pseudo-Structure Functions	EGERER, Colin

## Hadron structure - Wuchang (11:10 - 12:30)

-Conveners: Jianhui Zhang

time	[id] title	presenter
11:10	[294] Pion Valence Quark from quasi-PDF and pseudo-PDF	SHUGERT, Charles
11:30	[50] Two-current correlation functions for the nucleon on the lattice	ZIMMERMANN, Christian
11:50	[304] Scaling and higher twist in the nucleon Compton amplitude	YOUNG, Ross

# Thursday 20 June 2019

## Hadron structure - Wuchang (14:00 - 15:40)

-Conveners: Tanmoy Bhattacharya

time	[id] title	presenter
14:00	[62] Nucleon isovector charges from physical mass domain-wall QCD	OHTA, Shigemi
14:20	[112] Hyperon couplings from $N_f = 2 + 1$ lattice QCD	WEISHÄUPL, Simon
14:40	[280] CalLat elastic nucleon structure, 1	Dr WALKER-LOUD, André
15:00	[286] Updates on CalLat elastic nucleon form factors, II	CHANG, Chia Cheng
15:20	[147] Nucleon isovector couplings from 2+1 flavor lattice QCD at the physical point	TSUKAMOTO, NATSUKI

## Hadron structure - Wuchang (16:10 - 17:30)

-Conveners: Ross Young

time	[id] title	presenter
16:10	[3] Trace anomaly under lattice regularization	Prof. YANG, Yi-Bo
16:30	[240] Determining the glue component of the nucleon	HORSLEY, Roger
16:50	[221] Nucleon scalar charge with overlap fermions	LIU, Liuming
17:10	[234] Nucleon Sigma Terms	Mr VARNHORST, Lukas

# Friday 21 June 2019

## Hadron structure - Wuchang (14:00 - 15:40)

-Conveners: Shigemi Ohta

time	[id] title	presenter
14:00	[238] Quark momentum and angular momentum fractions at physical pion mass	WANG, Gen
14:20	[151] Nucleon Charges and Form factors from 2+1 clover ensembles	PARK, Sungwoo
14:40	[146] Nucleon axial and electromagnetic form factors from 2+1+1-flavor QCD	JANG, Yong-Chull
15:00	[175] Strange nucleon form factors and isoscalar charges with $N_f=2+1$ $\mathcal{O}(a)$ -improved Wilson fermions	WILHELM, Jonas
15:20	[91] Matrix elements of bound states in a finite volume	JACKURA, Andrew

## Hadron structure - Wuchang (16:10 - 17:30)

-Conveners: Hiroshi Ohki

time	[id] title	presenter
16:10	[265] Neutron Electric Dipole Moments with Clover Fermions	YOON, Boram
16:30	[90] $N\pi$ excited state contamination in nucleon 3-pt functions using ChPT	BAER, Oliver
16:50	[200] Structure and transitions of nucleon excitations via parity-expanded variational analysis	STOKES, Finn