



# The 33rd International Symposium on Lattice Field Theory (Lattice 2015)

## Tuesday, 14 July 2015

### Hadron Structure - 403 (14:00 - 16:00)

-Conveners: Georg von Hippel

time	[id] title	presenter
14:00	[92] Hadronic Light by Light Contributions to the Muon Anomalous Magnetic Moment With Near Physical Pions	Mr JIN, Luchang
14:20	[178] On calculating disconnected-type hadronic light-by-light scattering diagrams from lattice QCD	Mr HAYAKAWA, Masashi
14:40	[116] Improving the volume-dependence of lattice QCD+QED simulations	LEHNER, Christoph
15:00	[140] The strange contribution to the anomalous magnetic moment of the muon with physical quark masses using Möbius domain wall fermions	Mr SPRAGGS, Matt
15:20	[159] Finite volume hadronic vacuum polarisation at arbitrary momenta	Dr PORTELLI, Antonin
15:40	[284] Lattice calculation of the HVP contribution to the anomalous magnetic moment of muon	Ms CHAKRABORTY, bipasha

### Hadron Structure - 403 (16:30 - 18:30)

-Conveners: Masashi Hayakawa

time	[id] title	presenter
16:30	[66] Direct calculation of hadronic light-by-light scattering	Dr GREEN, Jeremy
16:50	[281] Study of the hadronic contributions to the running of the QED coupling	HERDOIZA, Gregorio
17:10	[121] The hadronic vacuum polarization function with $O(a)$ -improved Wilson fermions - an update	HORCH, Hanno
17:30	[49] Finite volume effects in hadronic vacuum polarization	Prof. GOLTERMAN, Maarten
17:50	[329] A derivative based approach for the leading order hadronic contribution to $g-2$ of the muon	Dr GREGORY, Eric
18:10	[265] Leading isospin breaking correction to the hadronic vacuum polarisation	Dr MARINKOVIC, Marina

# Wednesday, 15 July 2015

## Hadron Structure - 403 (14:00 - 15:20)

-Conveners: Paul Rakow

time	[id] title	presenter
14:00	[83] Parton Distribution Function from Hadronic Tensor	Prof. LIU, Keh-Fei
14:20	[48] Nucleon transverse momentum-dependent parton distributions: Comparing Clover and Domain wall fermion results at ~300 MeV pion mass	Dr YOON, Boram
15:00	[130] Nucleon generalized form factors from lattice QCD with nearly physical quark masses	Mr ROEDL, Rudolf

## Hadron Structure - 403 (16:30 - 18:30)

-Conveners: Keh-Fei Liu

time	[id] title	presenter
16:30	[126] Pion electromagnetic form factor from full lattice QCD	Dr KOPONEN, Jonna
16:50	[59] SU(3)-breaking effects and induced second-class form factors in hyperon beta decays from 2+1 flavor lattice QCD	Prof. SASAKI, Shoichi
17:10	[326] Nucleon axial and tensor charges with dynamical overlap quarks	Dr YAMANAKA, Nodoka
17:30	[186] High statistic analysis of nucleon form factors and charges in lattice QCD	Dr SHINTANI, Eigo
17:50	[102] Nucleon-pion-state contributions in the determination of the nucleon axial charge	Dr BAER, Oliver
18:10	[181] Some nucleon isovector observables from 2+1-flavor domain-wall QCD at physical mass	Prof. OHTA, Shigemi

# Thursday, 16 July 2015

## Hadron Structure - 403 (08:30 - 10:10)

-Conveners: Shigemi Ohta

time	[id] title	presenter
08:30	[103] Applications of the Feynman–Hellmann theorem in hadron structure	Dr YOUNG, Ross
08:50	[0] Gluon saturation and gluon densities	Dr KUTAK, Krzysztof
09:10	[330] Nucleon-Sigma-Terms from Lattice QCD	Mr VARNHORST, Lukas
09:30	[339] A lattice study of the nucleon quark content at the physical point	Dr TORRERO, Christian
09:50	[81] Proton spin decomposition with overlap fermion	Dr YANG, yibo

## Hadron Structure - 403 (10:40 - 12:00)

-Conveners: Ross Young

time	[id] title	presenter
10:40	[15] Nucleon charges, form-factors and neutron EDM	Dr GUPTA, Rajan
11:00	[34] The electric dipole moment of the neutron from $N_f=2+1+1$ twisted mass fermions	Dr ATHENODOROU, Andreas
11:20	[247] Neutron-antineutron oscillation matrix elements with domain wall fermions at the physical point	Dr SYRITSYN, Sergey
11:40	[221] Electromagnetic structure of charmed baryons - extended to spin-3/2	Mr CAN, Utku

# Saturday, 18 July 2015

## Hadron Structure - 403 (09:00 - 11:00)

-Conveners: Rajan Gupta

time	[id] title	presenter
09:00	[278] Connected contribution to hadron correlation functions	Dr SASTRE, Alfonso
09:20	[266] Disconnected contribution to hadron correlation functions	Dr TOTH, Balint
09:40	[35] Disconnected quark loop contributions to nucleon observables using $N_f=2$ twisted clover fermions at a physical value of the light quark mass	Dr VAQUERO AVILÉS-CASCO, Alejandro
10:00	[158] Exploring the effects of open boundary conditions on baryonic observables	Dr HARRIS, Tim
10:20	[196] Improving the lattice axial vector current	Dr SCHILLER, Arwed
10:40	[146] A systematic study of excited-state effects on nucleon axial form factors	Dr VON HIPPEL, Georg