

36th Annual International Symposium on Lattice Field Theory

Monday 23 July 2018

Hadron Structure - 106 (2:00 PM-3:40 PM)

| time | [id] title | presenter |
|---------|--|-----------------------|
| 2:00 PM | [M18] Light-cone PDFs from lattice QCD | Dr CICHY, Krzysztof |
| 2:20 PM | [M21] Quasi-PDFs from Twisted mass fermions at the physical point | Ms SCAPELLATO, Aurora |
| 2:40 PM | [M3] Matching the quasi parton distribution in a momentum subtraction scheme | Dr ZHAO, Yong |
| 3:00 PM | [M24] Excited state analysis in the quasi-PDF matrix elements | YANG, Yibo |
| 3:20 PM | [M95] Lattice Calculation of Parton Distribution Function from LaMET | Dr LIU, Yu-Sheng |

Hadron Structure - 106 (4:10 PM-5:30 PM)

| time | [id] title | presenter |
|---------|---|---|
| 4:10 PM | [M16] Progress on parton pseudo distributions I | KARPIE, Joseph Dr ZAFEIROPOULOS, Savvas |
| 4:30 PM | [M72] Progress on parton pseudo distributions II | KARPIE, Joseph Dr ZAFEIROPOULOS, Savvas |
| 4:50 PM | [M4] Lattice QCD calculation of the nucleon hadronic tensor | LIANG, Jian |
| 5:10 PM | [M60] Nucleon Structure Functions from the Feynman-Hellmann Theorem | Mr SOMFLETH, Kim |

Tuesday 24 July 2018

Hadron Structure - 106 (2:00 PM-3:40 PM)

| time | [id] title | presenter |
|---------|---|-------------------------|
| 2:00 PM | [M15] Calculation of Pion Valence Distribution form Hadronic Lattice Cross Sections | SUFIAN, Raza |
| 2:20 PM | [M89] Structure of pion and kaon from lattice QCD | Dr CHAKRABORTY, Bipasha |
| 2:40 PM | [M10] Kaon Distribution Amplitude from Lattice QCD and the Flavor SU(3) Symmetry | Mr ZHANG, Rui |
| 3:00 PM | [M62] Moments of pion distribution amplitude using OPE on the lattice | Dr MONDAL, Santanu |
| 3:20 PM | [M09] Pion Distribution Amplitude from lattice QCD: towards the continuum limit | Dr KORCYL, Piotr |

Hadron Structure - 106 (4:10 PM-5:10 PM)

| time | [id] title | presenter |
|---------|--|--------------------|
| 4:10 PM | [M98] Direct lattice-QCD calculation of pion valence quark distribution | Dr ZHANG, Jianhui |
| 4:30 PM | [M77] Renormalized quasi parton distribution function of pion | Dr KARTHIK, Nikhil |
| 4:50 PM | [M93] Parton Distribution Function Calculation of the Pion on a Fine Lattice | SHUGERT, Charles |

Wednesday 25 July 2018

Hadron Structure - 106 (2:00 PM-3:40 PM)

| time | [id] title | presenter |
|---------|---|---------------------|
| 2:00 PM | [M1] PDFs in small boxes | Mr JUAN, Guerrero |
| 2:20 PM | [M90] Higher moments of parton distribution functions | DAVOUDI, Zohreh |
| 2:40 PM | [M07] Pion distribution amplitude from Euclidean correlation functions: Universality and higher-twist effects | Dr WEIN, Philipp |
| 3:00 PM | [M19] Transverse spin structure of octet baryons | Mr BICKERTON, Jacob |
| 3:20 PM | [M52] Quark orbital angular momentum in the proton evaluated using a direct derivative method | ENGELHARDT, Michael |

Hadron Structure - 106 (4:10 PM-5:30 PM)

| time | [id] title | presenter |
|---------|---|-------------------------|
| 4:10 PM | [M75] Determination of nucleon sigma terms I | Mr VARNHORST, Lukas |
| 4:30 PM | [M71] Determination of nucleon sigma terms II | Dr HOELBLING, Christian |
| 4:50 PM | [M4] Strange nucleon form factors with $N_f=2+1$ $O(a^2)$ -improved Wilson fermions | Mr WILHELM, Jonas |
| 5:10 PM | [M82] The strange quark contribution to the spin of the nucleon | Dr HORSLEY, Roger |

Thursday 26 July 2018

Hadron Structure - 106 (8:30 AM-10:30 AM)

| time | [id] title | presenter |
|----------|--|----------------------------|
| 8:30 AM | A187] Do not measure correlated observables, but train an artificial intelligence to predict them | Dr YOON, Boram |
| 8:50 AM | A195] Nucleon EDMs and form factors on a lattice at the physical point | Prof. SYRITSYN, Sergey |
| 9:10 AM | A133] Nucleon Physics with All HISQ Fermions | Mr LIN, Yin |
| 9:30 AM | A173] Updates of Nucleon Form Factors from Clover-on-HISQ Formulation | Dr JANG, Yong-Chull |
| 9:50 AM | A102] Nucleon form factors on a $(10.8\text{fm})^4$ lattice at the physical point in 2+1 flavor QCD | Prof. KURAMASHI, Yoshinobu |
| 10:10 AM | A103] Nucleon electromagnetic form factors at high momentum transfer from Wilson-clover fermions | Dr KALLIDONIS, Christos |

Hadron Structure - 106 (11:00 AM-1:00 PM)

| time | [id] title | presenter |
|----------|--|-----------------------|
| 11:00 AM | A193] Improving the Feynman-Hellmann Method | Dr GAMBHIR, Arjun |
| 11:20 AM | A126] Pion Form Factor Calculation | WANG, Gen |
| 11:40 AM | A178] Nucleon isovector axial charge in 2+1-flavor domain-wall QCD with physical mass | OHTA, Shigemi |
| 12:00 PM | P30] Nucleon charges and quark momentum fraction with $N_f=2+1$ Wilson fermions | Dr OTTNAD, Konstantin |
| 12:20 PM | P149] Neutral weak axial form factor and neutrino-nucleon scattering | Dr RICHARDS, David |
| 12:40 PM | P180] Isovector and flavor diagonal charges of the nucleon | Dr GUPTA, Rajan |

Friday 27 July 2018

Hadron Structure - 106 (2:00 PM-4:00 PM)

| time | [id] title | presenter |
|--------|--|-------------------|
| 2:00 P | [M19] Status of HVP calculation by RBC/UKQCD | LEHNER, Christoph |
| 2:20 P | [M39] Exclusive Channel Study of the Muon HVP | Dr MEYER, Aaron |
| 2:40 P | [M19] Isospin breaking corrections to the HVP at the physical point | Dr GUELPERS, Vera |
| 3:00 P | [M53] On isospin breaking in tau decays for $(g-2)$ from Lattice QCD | Dr BRUNO, Mattia |
| 3:20 P | [M7] Anomalous magnetic moment of the muon with dynamical QCD+QED | ZANOTTI, James |
| 3:40 P | [M04] The leading hadronic contribution to $\sin^2\theta_W$ running and covariant coordinate-space methods | Dr CÈ, Marco |

Hadron Structure - 106 (4:30 PM-6:30 PM)

| time | [id] title | presenter |
|--------|---|----------------------------|
| 4:30 P | [M1] HISQ light quark hadronic vacuum polarization contribution to the muon anomalous magnetic moment | BLUM, Thomas |
| 4:50 P | [M32] The hadronic vacuum polarization contribution to $(g-2)_\mu$ from $2+1$ flavours of $O(a)$ improved Wilson quarks | Prof. WITTIG, Hartmut |
| 5:10 P | [M0] HVP contribution of the light quarks to the muon $(g-2)$ including QED corrections with Twisted-Mass fermions | Mr GIUSTI, Davide |
| 5:30 P | [M17] Nucleon Form factor calculation using DWQCD | IZUBUCHI, Taku |
| 5:50 P | [M99] Nucleon form factors from $N_f=2+1+1$ twisted mass fermions at the physical point | Prof. CONSTANTINOU, Martha |