

Elucidating the Structure of Nambu-Goldstone Bosons

Monday, June 24, 2024 - Friday, June 28, 2024

Scientific Program

Monday

8:30-9:30 Coffee

9:30-10:30 Constantia Alexandrou *Pion and kaon structure in lattice QCD*

10:30-11:00 Coffee-Break

11:00-12:00 Huey-Wen Lin *Mapping Pion and Kaon Parton Distributions with Lattice QCD*

12:00-14:00 Lunch

14:00-15:00 Peter Petreczky *Lattice QCD results on pseudo-scalar meson structure*

15:00-15:30 Coffee-Break

15:30-16:30 David Richards *Lattice studies of hadron structure using the pseudo-distributions, and its implications for the internal structure of mesons***Tuesday**

8:30-9:30 Coffee

9:30-10:30 Jianhui Zhang *Exploring the Pion Structure in Lattice QCD: From 1D to 3D* (remote)

10:30-11:00 Coffee-Break

11:00-12:00 Tanja Horn *Light Meson Structure - recent and planned experiments*

12:00-14:00 Lunch

14:00-15:00 Wally Melnitchouk *What we know about pion structure from global QCD analysis*

15:00-15:30 Coffee-Break

15:30-16:30 Fredrick Olness *Fantomas: Analysis of parton distributions in a pion with Bézier parametrizations***Workshop Dinner****Wednesday**

8:30-9:30 Coffee

9:30-10:30 Rolf Ent *Prospects to Study Meson Structure at the EIC*

10:30-11:00 Coffee-Break

11:00-12:00 Daniele Binosi *EHM, Pseudoscalar meson structure functions/form factors, and J/Psi production.* (remote)

12:00-14:00 Lunch

14:00-15:00 Craig Roberts *Meson structure from continuum QCD*

15:00-15:30 Coffee-Break

15:30-16:30 Marcela Peláez *Chiral pion decay constant with massive gluons***Thursday**

8:30-9:30 Coffee

9:30-10:30 Garth Huber *Measurement of the Pion and Kaon Form Factors to High Q^2 at JLab and the EIC.*

10:30-11:00 Coffee-Break

11:00-12:00 Ismail Zahed *The pion/kaon and their partonic structure in the QCD instanton vacuum*

12:00-14:00 Lunch

14:00-15:00 Wayne de Paula *Transverse Momentum Distribution of a quark in a pion in Minkowski space* (remote)

15:00-15:30 Coffee-Break

15:30-16:30 Xingbo Zhao *Pion and kaon structure from a light-front Hamiltonian approach*

Friday

8:30-9:30 Coffee

9:30-10:30 Lei Chang *Exploring pion structure by CSM* (remote)

10:30-11:00 Coffee-Break

11:00-12:00 Tyler Hague *Spectator Tagging at ePIC to Study Charged Pion Structure*

12:00-14:00 Lunch

14:00-15:00 José Rodríguez-Quintero *Pion and Kaon distribution functions from the evolution of their Mellin moments* (remote)

15:00-15:30 Coffee-Break

15:30-16:30 Gastao Krein *Dynamical chiral symmetry breaking and quark-antiquark entanglement in the vacuum*

16:30-16:40 *Summary*