

Session Program

Jun 21 - 23, 2023

TMDs: Towards a Synergy between Lattice QCD and Global Analysis

Session II

Center for Frontiers in Nuclear Science, Stony Brook University
Department of Physics and Astronomy Stony Brook University Stony Brook, NY 11794-3800

Wed, June 21

11:00 AM

Session II

Session |

Location: Center for Frontiers in Nuclear Science, Stony Brook University, Department of Physics and Astronomy
Stony Brook University Stony Brook, NY 11794-3800

11:00 - 11:30 AM

Global extraction of unpolarized Transverse Momentum Distributions

Speaker

Chiara Bissolotti

11:30 AM - 12:00 PM

Tomography of pions and protons via transverse momentum dependent distributions

Speaker

Leonard Gamberg

12:00 - 12:30 PM

Three dimensional imaging in Nuclei

Speaker

John Terry

12:30 PM

Thu, June 22

11:00 AM

Session II

Session |

Location: Center for Frontiers in Nuclear Science, Stony Brook University, Department of Physics and Astronomy
Stony Brook University Stony Brook, NY 11794-3800

11:00 - 11:30 AM

Lattice QCD calculations of transverse momentum-dependent (TMD) observables

Speaker

Michael Engelhardt

11:30 AM - 12:00 PM

Lattice calculation of the Collins-Soper kernel

Speaker

Dr Hai-Tao Shu

12:00 - 12:30 PM

Collins-Soper kernel from lattice QCD at the physical pion mass

Speaker

Artur Avkhadiev

12:30 PM

Fri, June 23

11:00 AM

Session II

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Location: Center for Frontiers in Nuclear Science, Stony Brook University, Department of Physics and Astronomy
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11:00 - 11:30 AM **Proton spin at small-x**

Speaker

Andrey Tarasov

11:30 AM - 12:00 PM

TMD Factorization and Renormalization at Next-to-Leading Power

Speaker

Anjie Gao

12:00 - 12:30 PM

Transverse Momentum Distributions of Heavy Hadrons and Polarized Heavy Quarks

Speaker

Johannes K. L. Michel

12:30 PM