

Session Program

Jun 22 - 26, 2026



Center for Frontiers
in Nuclear Science

Light Cone 2026: Applications at EIC era (LC 2026)

QCD Dynamics, Instantons, and Nuclear Structure

Stony Brook University/Online, CFNS, Peter Paul Seminar Room, C 120 Physics Building

Wed, June 24

9:00 AM

QCD Dynamics, Instantons, and Nuclear Structure

Session | Location: Stony Brook University/Online, CFNS, Peter Paul Seminar Room, C 120 Physics Building

9:00 – 9:40 AM Instantons and QCD orbital angular momentum in the nucleon

Speaker
Christian Weiss

9:40 – 10:20 AM Hadronic Light-Front Wave Functions from the Instanton Vacuum

Speaker
Wei-Yang Liu

10:20 – 10:50 AM Second-order effective Hamiltonian of QCD

Speaker
Kamil Serafin

10:50 AM

11:10 AM

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11:10 – 11:30 AM Light-front nuclear structure from chiral EFT dynamics: Deuteron

Speaker
Frank Vera

11:30 AM – 12:00 PM Insights from Light-Front Quantization on the Unruh Effect

Speaker
Alexandre Deur

12:00 PM