

Session Program

Jan 13 - 16, 2025

Cold Nuclear Matter Effects: from the LHC to the EIC

Energy loss and medium-induced radiation

Room: C-120

CFNS (Stony Brook University, Department of Physics and Astronomy)

Wed, January 15

9:35 AM

Energy loss and medium-induced radiation

Session | **Location:** Room: C-120, CFNS (Stony Brook University, Department of Physics and Astronomy)

09:35 – 10:10

Jet definition and TMD factorization for single-inclusive jet production in DIS

Speaker

Paul Caucal

10:10 AM

10:55 AM

Energy loss and medium-induced radiation

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10:55 – 11:30

Cold Nuclear Matter Effects: From TMDs to EECs

Speaker

Zhongbo Kang

11:30 – 12:05

A TMD-based model for Hadronization off heavy nuclei

Speaker

Raphael Dupre

12:05 PM

1:30 PM

Energy loss and medium-induced radiation

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13:30 – 14:05

Fully coherent energy loss in proton-nucleus collisions

Speaker

François Arleo

14:05 – 14:40

Towards first principles understanding of cold nuclear matter effects

Speaker

Ivan Vitev

2:40 PM

3:25 PM

Energy loss and medium-induced radiation

Session | **Location:** Room: C-120, CFNS (Stony Brook University, Department of Physics and Astronomy)

15:25 – 16:00

Bottomonium suppression in p-Pb collisions at the LHC energies

Speaker

Sabin Thapa

16:00 – 16:35

Disentangling the Energy Loss Contributions in the Cold QCD Medium

Speaker

Charles-Joseph NAÏM

4:35 PM