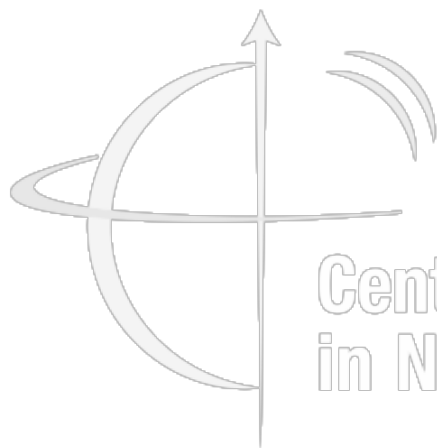


Session Program

Jul 10 - 11, 2025



Center for Frontiers
in Nuclear Science

Advancing Nuclear Physics: New Horizons with Fixed-Target Proton-Nucleus Experiments at Intermediate Energies

Session

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

Thu, July 10

9:00 AM

Session: Day 1 Session 1

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

09:00 – 09:05 **Welcome opening**

Speaker

Dr Niseem (Magdy) Abdelrahman

09:05 – 09:35 **Overview of the AGS capabilities for fixed target experiments**

Speaker

Vincent Schoefer

09:35 – 10:10 **Extraction and transport from AGS for fixed target experiments**

Speaker

Kevin Brown

10:10 AM

10:40 AM

Session: Day 1 Session 2

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

10:45 – 11:20

Color Transparency and the role of fixed-target proton beam experiments

Speaker

Dipangkar Datta

11:20 – 11:45 **Ion beam test requirement for generic R&D**

Speaker

Charles Hyde

11:45 – 12:05 **Proximity Focusing RICH Detector at ePIC**

Speaker

Brian Page

12:10 PM

2:00 PM

Session: Day 1 Session 3

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

14:00 – 14:25 **Polarized target and beam development before EIC Era**

Speaker

Richard Milner

14:25 – 14:50 **Transverse Momentum Distributions**

Speaker

Leonard Gamberg

14:50 – 15:15

Insight into fixed target proton beam at CBM/HADES: physics and instrumentation

Speaker

Tetyana Galatyuk

3:45 PM

15:15 - 15:45

ePIC overview and test beam requirements

Speaker

Oskar Hartbrich

Fri, July 11

9:00 AM

Session: Day 2 Session 1

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

09:00 – 09:35 Overview of AGS in late 80s/early 90s

Speaker

Yasuyuki Akiba

09:35 – 10:10 Electromagnetic probes and NA60+

Speaker

Axel Drees

10:10 – 10:35 Searching for new physics using ion beam-dump experiments

Speaker

Hongkai Liu

10:35 AM

10:55 AM

Session: Day 2 Session 2

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

10:55 – 11:30 Fixed Target Experiment at STAR

Speaker

Daniel Cebra

11:30 – 12:05

Short range High Momentum Correlations - Looking Backward and Now Forward

Speaker

Mark Strikman

12:05 PM

1:30 PM

Session: Day 2 Session 3

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

13:30 – 13:50 Baryon Stopping at the Fixed-Target Experiment

Speaker

Zhangbu Xu

13:50 – 14:10 Nuclear Structure at the Fixed-Target experiment

Speaker

Jiangyong Jia

14:10 – 14:35 A summary of net-proton fluctuation studies

Speaker

Ashish Pandav

2:35 PM

2:45 PM

Session: Day 2 Session 4

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

14:45 – 15:10 Studies of short-range correlations with hadronic probes

	Speaker Julian Kahlbow
	15:10 - 15:30 Polarization measurements at the Fixed-Target experiment
	Speaker Zhoudunming Tu
	15:30 - 15:45 Laying the Framework for EMCAL R&D and Future Gamma Spectroscopy in Fixed Target Experiments
3:45 PM	Speaker Mark Harvey
4:25 PM	Session: Close Out Session Location: Stony Brook University/Online, CFNS, Peter Paul Seminar Room, C 120 Physics Building
	16:25 - 16:50 Workshop Overview
5:25 PM	16:50 - 17:10 Future Steps