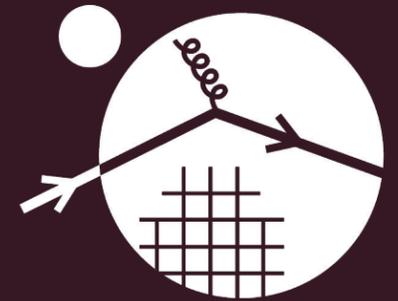


# INSTITUTE for NUCLEAR THEORY

# 2023 PROGRAMS AND WORKSHOPS



**JANUARY 23–FEBRUARY 24**

## **Intersection of Nuclear Structure and High-Energy Nuclear Collisions**

J. Jia, D. Lee, G. Giacalone, J. Noronha-Hostler

*Embedded workshop scheduled to take place February 6–10*

**MARCH 6–10**

## **Topological Phases of Matter: From Low to High Energy**

A. Cherman, L. Fidkowski, S. Sen, I. Shovkovy

**MARCH 20–24**

## **Accessing and Understanding the QCD Spectra**

R. Briceno, G. Eichmann, A. Pilloni

**APRIL 3–7**

## **Tensor Networks in Many Body and Quantum Field Theory**

S. Catterall, G. Evenbly, Y. Meurice, A. Roggero

**APRIL 17–21**

## **Interplay of Nuclear, Neutrino and BSM Physics at Low-Energies**

B. Dutta, J. Newstead, V. Pandey

**MAY 1–26**

## **New physics searches at the precision frontier**

V. Cirigliano, P. Shanahan, R. Stroberg

**JUNE 12–23**

## **IQuS – Quantum Computing, Quantum Simulation, Quantum Gravity and the Standard Model**

H. Gharibyan, J. Liu, M. Hanada, E. Rinaldi, Y. Su, B. Swingle

*Sponsored by the InQubator for Quantum Simulation*

**JULY 17–AUGUST 11**

## **Astrophysical Neutrinos and the Origin of the Elements**

G. McLaughlin, G. Fuller, D. Radice, K. Scholberg

*Embedded workshop scheduled to take place July 24–28*

**AUGUST 21–25**

## **Chirality and Criticality: Novel Phenomena in Heavy-Ion Collisions**

J. Liao, M. Stephanov, Z. Xu, H.–U. Yee

**SEPTEMBER 11–22**

## **IQuS – Bridging the Gap: Thermalization, from Cold Atoms to Hot Quantum Chromodynamics**

A. Gorshkov, N. Mueller, R. Venugopalan, N. Yunger Halpern

*Sponsored by the InQubator for Quantum Simulation*

**OCTOBER 16–20**

## **Probing QCD at High Energy and Density with Jets**

Y. Mehtar-Tani, F. Ringer, M. Verweij

**OCTOBER 30–NOVEMBER 3**

## **Theoretical Physics Uncertainties to Empower Neutrino Experiments**

J. Barrow, N. Rocco, M. Wagman