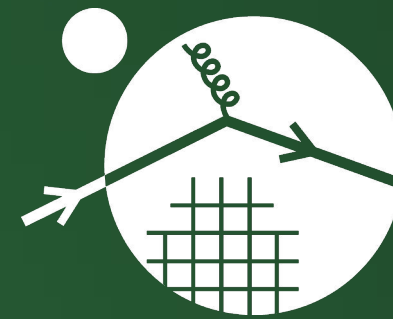


INSTITUTE for NUCLEAR THEORY

2022 PROGRAMS AND WORKSHOPS



JANUARY 24–27

Hadronic Parity Nonconservation II

S. Gardner, W. Haxton, B. Holstein

FEBRUARY 7–11

Beyond-the-Standard-Model Physics with Nucleons and Nuclei

J. de Vries, E. Mereghetti, M. Piarulli, A. Walker-Loud

MARCH 28–APRIL 22

Machine Learning for Nuclear Theory

G. Hagen, N. Sato, P. Shanahan

MAY 9–13

IQuS – Quantum Error Mitigation for Particle and Nuclear Physics

B. Nachman, C. Bauer, W. de Jong, K. Temme, A. Kandala, R. Pooser
Sponsored by the InQubator for Quantum Simulation

MAY 23–27

The r-process and the Nuclear EOS after LIGO-Virgo's Third Observing Run

D. Radice, J. Read, L. Roberts

JUNE 13–17

Origin of the Visible Universe: Unraveling the Proton Mass

I. Cloët, Z.-E. Meziani, B. Pasquini

JUNE 27–JULY 1, 2022

Parity-Violation and other Electroweak Physics at JLab 12 GeV and Beyond

S. Mantry, P. Souder, X. Zheng

This workshop is scheduled to take place as a fully virtual event

JULY 11–22

Neutron Rich Matter on Heaven and Earth

K. Chatziioannou, J. Piekarewicz, A. Watts

JULY 26–29

Solar Fusion Cross Sections III

D. Bemmerer, A. Guglielmetti, W. Haxton, A. Serenelli

This workshop is scheduled to take place in Berkeley, CA

AUGUST 1–SEPTEMBER 2

Dark Matter in Compact Objects, Stars, and in Low Energy Experiments

G. Fuller, T.-T. Yu, S. Reddy, M. Baryakthar

SEPTEMBER 12–16

Parton Distributions and Nucleon Structure

M. Constantinou, A. Manohar, W. Wang, Y. Zhao

OCTOBER 3–28

Heavy Flavor Production in Heavy-Ion and Elementary Collisions

Z.-E. Meziani, P. Petreczky, R. Vogt

NOVEMBER 7–18

IQuS – At the Interface of Sensors and Simulations

D. Beck, N. Klco, C. Noel, J. Ullom

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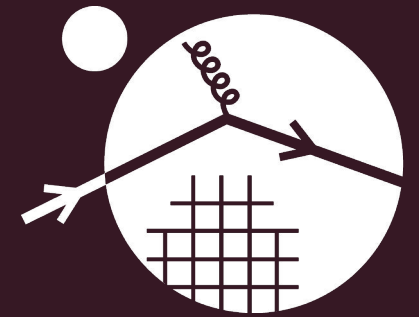
DECEMBER 5–9

Dense Nuclear Matter Equation of State from Heavy Ion Collisions

D. Oliinychenko, S. Pratt, A. Sorensen

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. Piloni

APRIL 3–7

Tensor Networks in Many Body and Quantum Field Theory

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

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

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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 17–21

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

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OCTOBER 16–20

Probing QCD at High Energy and Density with Jets

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