



APS GHP 2025 Workshop

11th Workshop of the APS Topical Group on Hadronic Physics



WORKSHOP TOPICS INCLUDE:

- Artificial intelligence and machine learning for hadron physics
- Electron Ion Collider and other future facilities and experiments
- Electroweak probes
- Extreme matter and neutron star collisions
- Hadrons in nuclei
- Hadron spectroscopy
- Hadron tomography
- Hadronization
- Heavy flavor and jet production
- Neutrino-hadron interactions
- New physics and discrete symmetry violation in hadron physics
- Nonequilibrium dynamics
- Nucleon and nuclear spin physics
- Origin of hadron mass
- Physics of the quark-gluon plasma
- Quantum information for hadron physics
- Small systems and collectivity
- Transverse and longitudinal structure of hadrons
- Ultraperipheral Collisions

CONTACT:

ghpworkshops@gmail.com

<https://indico.jlab.org/e/GHP2025>

Anaheim, CA

March 14 - 16, 2025



The GHP workshop is an excellent opportunity for nuclear and particle physicists to share their research and explore common interests in hadronic physics. We warmly welcome your attendance and participation and encourage you to invite your students and postdocs to take part.

The workshop will take place immediately before the APS 2025 Global Physics Summit at the same venue.

ORGANIZING COMMITTEE:

- Shohini Bhattacharya (University of Connecticut)
- Daniel Brandenburg (The Ohio State University)
- William Brooks (Federico Santa Maria Technical University)
- Megan Connors (Georgia State University)
- Wouter Deconinck (University of Manitoba)
- James Dunlop (Brookhaven National Laboratory)
- Elena A Long (University of New Hampshire)
- Daniel Pitonyak (Lebanon Valley College)
- Susan Schadmand (GSI Darmstadt)
- Bjoern Schenke (Workshop co-chair) (Brookhaven National Laboratory)
- Bernd Surrow (Workshop co-chair) (Temple University)
- Julia Velkovska (Vanderbilt University)
- Ramona Vogt (LLNL & University of California, Davis)



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