



APS GHP 2027 Workshop

12th Workshop of the APS Topical Group on Hadronic Physics

WORKSHOP TOPICS INCLUDE:

- Artificial intelligence and machine learning for hadron physics
- Beyond-Standard Model physics and hadrons
- Electron-Ion Collider, high-luminosity and other future initiatives
- Electroweak physics and hadrons
- Extreme matter and neutron star collisions
- Hadron spectroscopy
- Hadron structure and tomography
- Hadronization
- Heavy flavor and jet production
- Instrumentation for hadron physics
- Neutrino-hadron interactions
- QCD in Nuclei
- Origin of hadron properties
- Physics of the quark-gluon plasma
- Quantum information for hadron physics
- Spin physics
- Ultraperipheral Collisions

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<https://indico.jlab.org/e/GHP2027>

Atlanta, GA
April 9-11, 2027



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 2027 Global Physics Summit at the same venue.



ORGANIZING COMMITTEE:

- Anna Stasto (Pennsylvania State University) (workshop co-chair)
- Xiaochao Zheng (University of Virginia) (workshop co-chair)
- Provakar Datta (Lawrence Berkeley National Laboratory)
- Dave Gaskell (Jefferson Lab)
- Michael Kohl (Hampton University)
- Shujie Li (Lawrence Berkeley National Laboratory)
- Peter Petreczky (Brookhaven National Laboratory)
- Alexei Prokudin (Pennsylvania State University Berks)
- Susan Schadmand (GSI Darmstadt)
- Bjoern Schenke (Brookhaven National Laboratory)
- Bernd Surrow (Temple University)
- Zhoudunming (Kong) Tu (Brookhaven National Laboratory)
- Ramona Vogt (Lawrence Livermore National Laboratory & UC Davis)
- Christian Weiss (Jefferson Lab)
- Maria Zurek (Argonne National Lab)



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