

J-FUTURE

March 28, 2022 - March 30, 2022 • Messina, Italy

TOPICS

- Physics opportunities
- Hadron spectroscopy
- Nucleon structure
- Nuclear structure
- Detector developments
- Accelerator infrastructures

ABSTRACT

While the JLab 12 GeV program is running, it is already time to plan the future developments for the facility.

A new round of upgrades to CEBAF are under technical development. One of these is a potential energy upgrade to 24 GeV using novel magnet designs in the existing recirculation arcs. Another is a potential for intense polarized beams of electrons or positrons, which would allow for new measurements in nucleon tomography, provide precision extraction of contributions from higher order electromagnetic currents, and allow new tests of the standard model. In addition, it is possible to open new research lines using secondary beams.

The workshop will gather theorists and experimentalists to discuss the physics opportunities for each of these scenarios.

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Program and abstract submission on: <https://indico.jlab.org/e/jfuture>