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The Jefferson Lab 22 GeV Upgrade

The Continuous Electron Beam Accelerator Facility (CEBAF) at Jefferson Lab has been delivering the world's highest intensity and highest precision multi-GeV electron beams for more than 25 years. The Nuclear Physics community has resourcefully exploited these advanced accelerator facility for studies of the fundamental interactions and this research has impacted the entirety of Nuclear Physics, as well as High Energy Physics and Astrophysics. A potential energy upgrade of CEBAF from the current 12 GeV to 22 GeV and a positron beam are under technical development and a physics program is being developed. Precision measurements in the valence quark region requiring high luminosity are clearly the purview of CEBAF. With the 22 GeV upgrade some important thresholds would be crossed and an energy window which sits between JLab at 12 GeV and EIC will be available. In this presentation the impact on scientific reach of such an energy upgrade will be discussed.

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