

# DIS2022: XXIX International Workshop on Deep-Inelastic Scattering and Related Subjects

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## The Future of CEBAF

*Tuesday 3 May 2022 10:40 (20 minutes)*

The CEBAF accelerator at Jefferson Lab has been providing polarized electrons for high-impact nuclear and particle physics experiments for almost three decades. Accelerator upgrades providing polarization of the beam, increasing the beam energy, and increasing number of experimental end stations have paved the way to many new and successful experiments conducted at the lab. Studies are underway of potential future upgrades for the accelerator and the physics they would make possible. The considered upgrades include exciting topics such as doubling the luminosity of the accelerator, doubling the energy reach, and providing positron beams with a high degree of spin polarization. In this presentation I will discuss recent efforts to improve and expand the capabilities of CEBAF, highlighting some of the innovative ideas proposed while mentioning the challenges remaining to be solved.

### Submitted on behalf of a Collaboration?

No

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