Contribution ID: **36** Type: **Talk**

Hadron Spectroscopy with GlueX

Monday, 16 October 2023 12:00 (30 minutes)

The GlueX experiment, located in Jefferson Lab's Hall D, provides a unique capability to study the spectrum of hadrons in photoproduction, utilizing a high-energy, linearly polarized photon beam. An overview of results from the initial phase of GlueX, completed in 2018, will be presented with unprecedented statistics to study the production mechanisms of known hadrons as well as search for new states in the hadron spectrum, including those with gluonic degrees of freedom. The second phase of GlueX with enhanced particle identification and an ongoing upgrade of the forward calorimeter will be discussed as well.

Parallel Session

Hadron Spectroscopy

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Session Classification: Plenary talk