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Overview of the GlueX physics program

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The GlueX experiment, which is focused on studying the hadron spectrum using polarized photoproduction, completed its initial phase of data taking in the fall of 2018. These data will provide the opportunity to study production mechanisms of mesons as well as searches for new states in the hadron spectrum, including those with gluonic degrees of freedom. In addition, the GlueX collaboration has collected a dedicated dataset to measure the two-photon width of the eta using Primakoff production. This talk will summarize the status of these analysis activities as well as present the plans future data collection with enhanced particle identification capability that will enable a study of mesons with strange quarks.

Primary author: Prof. SHEPHERD, Matthew (Indiana University)

Presenter: Prof. SHEPHERD, Matthew (Indiana University)

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