

Recent Results from GlueX

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The GlueX experiment is located in the recently constructed experimental Hall D at Jefferson Lab (JLab), and provides a unique capability to search for hybrid mesons in high-energy photoproduction, utilizing a 9 GeV linearly polarized photon beam. Commissioning of the Hall D beamline and GlueX detector was recently completed and the data collected in the spring of 2017 officially began the GlueX physics program. The statistical precision of this initial dataset surpasses the previous world data on polarized photoproduction in this energy domain by orders of magnitude. First results from this dataset will be presented along with the plan for acquiring higher statistics datasets to begin the search for hybrid mesons at GlueX.

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