



Canadian Association
of Physicists

Association canadienne
des physiciens et physiciennes

Contribution ID: 1973

Type: **Invited Speaker / Conférencier(ère) invité(e)**

Recent Results from GlueX (I)

Tuesday 12 June 2018 13:30 (30 minutes)

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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Session Classification: T3-5 Hadronic Physics (DNP) | Physique hadronique (DPN)

Track Classification: Nuclear Physics / Physique nucléaire (DNP-DPN)