Abstract Submitted
for the APR21 Meeting of
The American Physical Society

Study of the Reaction $\gamma p \to \eta'\eta p$[1] JASON BARLOW, Florida State University, GLUEX COLLABORATION — The GlueX experiment uses a beam of linearly polarized photons with a coherent peak near 9 GeV incident on a fixed hydrogen target. The preliminary analysis presented here considers the final state $\eta'\eta$ which decays to $4\gamma\pi^+\pi^-$. This channel is motivated by the exotic $\pi_1(1600)$ since it has a strong observation in $\eta'\pi$. The $\pi_1(1600)$ has isoscalar partners, the η_1 and η_1', which could possibly be observed in $\eta'\eta$. General features of the data including data selection, mass spectra, and intermediate states will be presented along with plans for future studies.

[1]This work is supported by the Department of Energy under the DoE Award: DE-FG02-92ER40735

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Date submitted: 08 Jan 2021 Electronic form version 1.4