

Abstract Submitted
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Study of η' photoproduction at the GlueX experiment¹ MAHMOUD KAMEL, Florida International University, GLUEX COLLABORATION — The GlueX experiment at Jefferson Lab studies the light meson spectrum and searches for hybrid and exotic mesons. Understanding the photoproduction of η' is essential to be able to understand the more complicated exotic mesons. In this analysis preliminary yield and cross section estimates for photoproduced η' mesons will be presented for beam energies greater than 7 GeV, which is the first measurement in this energy regime. The η' mesons have been identified through two decay channels, $\pi^+\pi^-\eta$, and $\pi^+\pi^-\gamma$.

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