

Abstract Submitted
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A study of $\gamma p \rightarrow K_S K_S p$ with the GlueX Experiment GABRIEL RODRIGUEZ, Florida State University, GLUEX COLLABORATION COLLABORATION — GlueX is a photoproduction experiment designed to study the meson spectrum with special emphasis on exotic quantum number mesons. Having completed its first phase of data collection, the GlueX Collaboration possesses a unique high statistics dataset that is currently under study. As part of the spectroscopy program we present our analysis of the $\gamma p \rightarrow K_S K_S p$ reaction. Mesons decaying to $K_S K_S$ have $J^{PC} = \text{even}^{++}$ and contributions from $J = 0$ and 2 are expected to dominate. Thus, studying the $K_S K_S$ system will contribute to our understanding of the light scalar and tensor mesons. The current state and future plans of this analysis will be presented.

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