

Dalitz Plot of $\eta' \rightarrow \eta\pi^+\pi^-$

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Collaboration

CLAS Collaboration

Abstract content

In this talk we present preliminary experimental results of Dalitz plot analysis of the decay $\eta' \rightarrow \eta\pi^+\pi^-$, based on the CLAS data collected during photoproduction experiment $\gamma p \rightarrow \eta' p$ for the center-of-mass energy from 1.9 to 3.34 GeV at Jefferson Lab. This experiment will enable us to report precise Dalitz plot parameters of $\eta' \rightarrow \eta\pi^+\pi^-$ decay with higher statistics in comparison to other experiments reported so far.

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