

Electromagnetic Transition Form Factor of the η Meson with WASA-at-COSY

Friday, 29 July 2016 18:20 (30 minutes)

We present a study of the Dalitz decay $\eta \rightarrow \gamma e^+ e^-$. The aim is to determine the transition form factor of the η meson. The transition form factor describes the electromagnetic structure of the meson. The transition form factor is determined by comparing the experimental $e^+ e^-$ invariant mass distribution with QED. The analysis uses proton-proton reaction at 1.4 GeV. The data has been collected with the WASA detector at COSY (Forschungszentrum Juelich, Germany). Preliminary results of the analysis will be shown.

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Session Classification: Mesons