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

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We present a study of the Dalitz decay $\eta \to \gamma e + e -$. 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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