

05 TWO-PHOTON PHYSICS

Measurements of the $\gamma\gamma^* \rightarrow \pi^0$ and $\gamma\gamma^* \rightarrow \eta_c$ transition form factors at BABAR

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摘要 We present measurements of the $\gamma\gamma^* \rightarrow \pi^0$ transition form factor for the momentum transfer range $Q^2=4-40 \text{ GeV}^2$ and the $\gamma\gamma^* \rightarrow \eta_c$ transition form factor for the range $Q^2=2-50 \text{ GeV}^2$. The current status of measurements of the meson-photon transition form factors for the η and η' mesons is discussed. The results of the measurement of the η_c mass, total and two-photon widths are also presented.

关键词 [two-photon interaction](#), [pseudoscalar meson](#), [transition form factor](#), [pi0](#), [eta](#), [eta\(958\)](#), [etac](#)

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