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Recent BaBar results in light hadron spectroscopy

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A program of measuring the light hadrons production in exclusive $e^+e^- \rightarrow$ hadrons processes is continuing with the BABAR data, with the aim to improve the calculation of the hadronic contribution to the muon $g-2$. We present the most recent results obtained by using the full data set of about 470 fb⁻¹ collected by the BABAR experiment at the PEP-II e^+e^- collider at a center-of-mass energy of about 10.6 GeV. In particular, we report the results on the channels $e^+e^- \rightarrow \pi^+\pi^-\pi^0\pi^0$, $\pi^+\pi^-\pi^0\pi^0(\eta)$, $e^+e^- \rightarrow \pi^+\pi^-\eta$. Additionally, we present the study of the two-photon process $e^+e^- \rightarrow e^+e^-\eta(958)$ in the double-tag mode. The results for the form factor are compared with the predictions based on pQCD and VMD.

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