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Measurement of hadronic cross sections with the BABAR detector

The measurement of exclusive e^+e^- to hadrons processes is a significant part of the physics program of BABAR detector, aimed to improve the calculation of the hadronic contribution to the muon $g-2$ and to study the intermediate dynamics of the processes. 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 $e^+e^- \to \pi^+\pi^-\pi^0\pi^0$, $e^+e^- \to \pi^+\pi^-\pi^0\pi^0\pi^0(\eta)$ and , $e^+e^- \to \pi^+\pi^-\pi^0\pi^0\pi^0(\eta)$, and $e^+e^- \to \pi^+\pi^-\eta$.

Collaboration name

This abstract is submitted on behalf of the BaBar Collaboration.

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