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Measurement of hadronic cross sections with the BABAR detector

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A program of measuring the light hadrons production in exclusive $e^+e^- \to$ hadrons processes is in place at BABAR 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 $e^+e^- \to \pi^+\pi^-\pi^0\pi^0\pi^0$, e^+e^- \to \pi^+\pi^-\pi^0\pi^0\eta, ande^+e^- \to \pi^+\pi^-\eta.$These final states are studied in a wide mass range, $from threshold production up to 4 GeV$/c^2$.

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