

Study of e^+e^- annihilation into hadrons at low energies with ISR at BABAR

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The measurement of exclusive e^+e^- to hadrons processes is a significant part of the physics program of BABAR experiment, 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 studies performed on the full data set of about 470 fb^{-1} collected 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 e^+e^- annihilation into three pions and into states with six and seven pions or kaons, in an energy range from production threshold up to about 4 GeV.

What is your topic?

Anomalous Magnetic Moment of the muon

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