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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 fbˆ–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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