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Recent measurements of exclusive hadronic cross sections at BABAR and the implication for the muon g-2 calculation

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The BABAR Collaboration has an intensive program studying hadronic cross sections in low-energy e^+e^- annihilations, which are accessible with data taken near the $\Upsilon(4S)$ via initial-state radiation.
Our measurements allow significant improvements in the precision of the predicted value of the muon anomalous magnetic moment.
These improvements are necessary for shedding light on the current ˜3 sigma difference between the predicted and the experimental values.
We have previously published results on a number of processes with two to six hadrons in the final state. We report here on several recent measurements of hadronic cross sections in e^+e^- annihilations.

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