## XXI International Workshop on Deep-Inelastic Scattering and Related Subjects



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## Hadron production in e+e- annihilation at BaBar, and implication for the muon anomalous magnetic moment.

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The BABAR Collaboration has an intensive program of studying hadronic cross sections at low-energy e+e- collisions, accessible at BaBar 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 ~3.5 sigma difference between the predicted and the experimental values.

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We have published results on a number of processes with two to six hadrons in the final state. We report here the results of recent studies of the processes e+e--> K+K-, and e+e--> 4 hadrons, which constitute the main contribution to the hadronic cross section in the energy region between 1 and 3 GeV.

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