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Study of e+e- -> p anti-p process at BaBar

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Low-energy e+e- annihilation processes are accessible at BaBar via intiai state radiation. The e+e- -> p anti-p cross section have been measured using a data set of about 500 fb-1, on a wide energy range from the production threshold up to 4 GeV. The proton magnetic form factor, and the ratio of the electric over the magnetic form factors have been extracted from the measured cross section with unprecedented accuracy. The steep rise of the form factor at an energy close to the production threshold, as well as unexplained structures at higher energies are confirmed.

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