



Contribution ID: 71

Type: Talk in Parallel Session at DIS2013

Study of $e^+e^- \rightarrow p \text{ anti-}p$ process at BaBar

Wednesday, 24 April 2013 17:00 (15 minutes)

Low-energy e^+e^- annihilation processes are accessible at BaBar via initial state radiation. The $e^+e^- \rightarrow p \text{ anti-}p$ 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.

Primary author: MULLER, David (SLAC)

Presenter: MULLER, David (SLAC)

Session Classification: WG4: QCD and HFS

Track Classification: QCD and Hadronic Final States