



Contribution ID: 32

Type: **not specified**

Baryon electromagnetic form factors at BESIII

Tuesday 20 February 2018 18:30 (30 minutes)

The Beijing Spectrometer (BESIII) at the Beijing Electron Positron Collider in China is an excellent laboratory for the measurement of baryon electromagnetic form factors in the time-like kinematic region.

The collider is running at center-of-mass energies between 2.0 and 4.6 GeV, allowing the study of e^+e^- annihilations into pairs of baryons like proton-antiproton, neutron-antineutron and hyperons in the SU(3) spin 1/2 octet and spin 3/2 decuplet. Furthermore, the emission of initial-state radiation by the beams allows also to access kinematic regions below the actual center-of-mass energy of the collider, making possible the measurement of baryon form factors also at the production threshold.

In this talk I will review some of the channels currently being studied by the BESIII collaboration.

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