

Time-like Electromagnetic Form Factors of Hyperon at BESIII

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Hyperons provide an unique avenue to study the strong interaction in baryon structure.

Due to their limited life time, the production in e^+e^- annihilations is the only viable way to obtain information on the hyperon structure and internal dynamics through their electromagnetic form factors. With the unique data sets obtained by the BESIII collaboration, the pair production cross sections for Lambda, Sigma, Xi, and Lambda_c are studied from threshold, where some abnormal threshold effects are observed. Using the self-analyzing weak decays of the Lambda and Lambda_c, the relative phase between the electric and magnetic form factors is measured. In this presentation the latest results at BESIII are discussed.

Primary authors: LIU, Beijiang (Institute of High Energy Physics, Chinese Academy of Sciences); SCHÖNNING, Karin

Presenter: SCHÖNNING, Karin

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