

XVth Quark Confinement and the Hadron Spectrum



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Recent results of Baryon electromagnetic form factors at BESIII

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At BESIII, the electromagnetic form factors (EMFFs) and the pair production cross sections of various baryons have been studied. The proton EMFF ratio $|G_E/G_M|$ is determined precisely and line-shape of $|G_E|$ is obtained for the first time. The recent results of neutron EMFFs at BESIII show great improvement comparing with previous experiments. Cross sections of various baryon pairs (Λ , Σ , Ξ , Λ_{cb}) are studied from their thresholds. Anomalous enhancement behavior on the Λ and Λ_{cb} pair are observed. The relative phase of EMFFs for Λ and Σ^+ are measured for the first time.

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