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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 |GE/GM| is determined precisely and line-shape of |GE| is obtained for the first time. The recent results of neutron EMFFs at BESIII show great improvement in comparison with previous experiments. Cross sections of various baryon pairs ($\Lambda, \Sigma, \Xi, \Lambda_c$) are studied from their thresholds. An anomalous enhancement behavior in the Λ and Λ_c pair cross sections is observed.

In-person participation

Yes

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