

## Recent results of Baryon electromagnetic form factors at BESIII

*Wednesday, 10 August 2022 15:00 (20 minutes)*

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 ( $\Lambda$ ,  $\Sigma$ ,  $\Xi$ ,  $\Lambda_{cb}$ ) are studied from their thresholds. Anomalous enhancement behavior on the  $\Lambda$  and  $\Lambda_{cb}$  pair are observed.

**Primary author:** Mr ZHOU, Xingyu (Liaoning Normal University)

**Presenter:** Mr ZHOU, Xingyu (Liaoning Normal University)

**Session Classification:** Parallel Session V (2): Hadron and Flavor Physics

**Track Classification:** 强子物理与味物理