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Recent results from two-photon processes at Belle

Monday, 3 June 2019 17:00 (20 minutes)

In this talk, I will talk about recent progresses by two-photon processes at Belle. (a) meson transition form factor (TFF), a important input for calculation of hadronic light-by-light scattering contribution, which is one of dominant theory uncertainty source to muon $g-2$. With single tag method, the $\pi^0/f_0(980)/f_2(1270)$ TFF is presented in this talk. (b) The cross section of hadron pair production in no-tag measurements, is a good place to test (p)QCD prediction. The results of $K_s K_s$ via $\gamma\gamma$ fusion in low- W region is presented, and compared with that of pQCD calculation. (c) Similar to $J/\psi p$, the ϕp is interesting channel for exotic baryons. A search for exotic baryons is presented in $\gamma\gamma \rightarrow p\bar{p} K^+ K^-$.

Summary

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