

Recent developments in the strange production via hadron photoproductions

Wednesday, 2 November 2011 17:00 (30 minutes)

In this talk, we present the recent developments in the strange production via hadron photoproductions, taking into account the theoretical and experimental progresses, achieved by us and the experimental collaborations at SPring-8 and Jefferson laboratory. We focus on the $\Lambda(1520)$ photoproduction with the Feynman-Regge interpolation prescription, which interpolates the low- and high-energy physics smoothly. On top of the success of our theoretical framework in comparison to the LEPS collaboration experiments, it turns out that the phenomenological interpolation prescription reproduces physical quantities qualitatively very well for the relatively wide energy ranges. We close this talk with several problematic issues to be addressed and future perspectives.

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