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Photoproductions for the study of baryon resonances¹

ATSUSHI HOSAKA, RCNP, Osaka University

Photoproduction data from the recent photon-electron facilities have been providing interesting results in the region of strangeness production. Exclusive measurement is useful for the extraction of the structure of hyperons and their resonances, in particular of their expected *exotic* nature. It is then desired to have a standard framework to extract such information and establish some conditions suited to the search for the interesting features. In this talk, we will make discussions in the effective Lagrangian method. We formulate the model microscopically as much as available, and attempt to extract important reaction mechanism and resonance structure from the data in such a way that the results are compared with theoretical descriptions of QCD. We discuss examples of kaon photoproductions associated with Λ_{gs} and its resonances, and also ϕ photoproduction.

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