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Dynamical Models of Electromagnetic Production of Hyperons and Hypernuclei¹

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In the nucleon resonance region, Kaon production is in general weaker than pion production. Therefore the channel coupling effects due to pion channels must be included in using electromagnetic Kaon production reactions to study hyperons and hypernuclei. In this talk I will discuss how such channel coupling effects can be included in a dynamical approach and present results from a recent coupled-channel calculation of $\gamma p \rightarrow K^+ \Lambda, K \Sigma$. The implication of our results in investigating electromagnetic production of hypernuclei will be discussed with some illustrative examples.

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