Photoproduction Cross Sections of the Excited Hyperons

K. Moriya, R. A. Schumacher et al. (CLAS Collaboration), *Differential photoproduction cross sections of the $\Sigma^0(1385)$, the $\Lambda(1405)$, and the $\Lambda(1520)$*, Physical Review C **88**, 045201 (2013).

- $\gamma + p \rightarrow K^+ + Y^*$
- Data: CLAS g11a data
  - First-available comparison of five hyperon states
  - $\Lambda(1405)$ is different from the others
    - $\Sigma\pi$ decay modes all unique $\rightarrow$ isospin effects
- Theory: effective Lagrangian models
  - Links to low-energy QCD and quark models