

Strangeness spectroscopy with Photoproduction Experiments

Friday 5 April 2024 10:00 (30 minutes)

The spectrum of excited Σ and Λ states is sparse with only few additions from last decade. Recently, ideas are developed how to identify the missing states using polarized photons and polarized targets. Two different experiments are currently investigating the measurement of polarization observables for hyperon photoproduction, the CBELSA/TAPS experiment at ELSA and the GlueX experiment at Jefferson Lab.

In this talk, I will present recent plans to perform polarized measurements of hyperons at the GlueX experiment at Jefferson Lab. In addition, I will show the prospects of a newly planned experiment at the ELSA accelerator in Bonn, Germany.

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