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Cascade spectroscopy at the CLAS12 Very Strange Experiment

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Although many more cascade resonances than established are expected from quark models and QCD calculations, experimental evidence of most of them have been rather weak. With increased beam energy and luminosity now available at CLAS12, it is possible to search for excited cascades using quasi-real photoproduction as well as electroproduction using the CLAS12 spectrometer and probe their production mechanisms. The CLAS12 Very strange experiment focus on the investigation of $S = -2$ and $S = -3$ hyperons. Most recent results from the reaction of $ep \to eK^+K^+K-(\Lambda/\Sigma)$ and $ep \to eK^+K^+(\Xi^{-(*)})$ will be shown

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Classifica Sessioni: Parallel 1

Classificazione della track: Polarization observables photo- and electro- production of mesons off nucleons