

Impact of meson photoproduction experiments on N^* spectroscopy

E. Pasyuk

Thomas Jefferson National Accelerator Facility, Newport News, VA23606, USA

The first nucleon resonance, Δ , was observed in pion-nucleon scattering in 1952. That was the beginning of the nucleon resonance era. The latest edition of the Review of the Particle Physics lists 50 non-strange baryons. But there are still more states predicted than observed. Until late 90s of the twentieth century most of the data on the nucleon resonances came from pion-nucleon scattering. Over the last two decades the focus was shifted. Exclusive meson photoproduction experiments became the main source of the the information about nucleon excitations. CEBAF Large Acceptance Spectrometer, CLAS, is one of the major contributors to this field. An overview of CLAS photoproduction experiments will be presented and their impact on the N^* spectroscopy will be discussed.