

Photon electroproduction at Jefferson Laboratory-Hall A

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We will review the experimental program dedicated to photon electroproduction running in the Hall A of Jefferson Laboratory. First we will talk about the latest results of the E00-110 experiment running in 2004, published in Phys.Rev.C last year. Then we will present new results of photon electroproduction cross sections in the valence region ($x_{Bj}=0.36$) at three Q^2 -values (1.5, 1.75 and 2 GeV²) from the E07-007 experiment which was running in 2010.

Unlike the E00-110 experiment, each kinematical setting was run with two beam energies. It allows, for the first time, to perform a Rosenbluth separation on the photon electroproduction.

These new results bring new information about the generalized parton distributions and their contributions.