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High Energy Behaviour of the Light Meson Photoproduction and the Quark Counting Rules

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We evaluated recent CLAS Collaboration measurements for the 90 deg meson photoproduction off the nucleon using a tagged photon beam spanning the energy interval $s = 3 - 11 \text{ GeV}^2$. The results are compared with the Quark Counting Rules (QCR) predictions. Since Sudakov form factor is absent in the case of photoproduction these processes allows a better check/study of the QCR.

Collaboration

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