

Fotoproduksi eta meson pada proton dengan model isobar = Eta meson photoproduction on the proton with isobaric model

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Abstrak

[ABSTRAK

Telah diinvestigasi reaksi fotoproduksi η pada proton yang dikembangkan dengan model isobar. Amplitudo transisi pada kerangka pusat massa dijabarkan ke dalam amplitudo Chew-Goldberger-Low-Nambu (CGLN). Amplitudo yang ditinjau melibatkan kanal-s, -t, dan u pada suku Born dan resonan. Diformulasikan pula penampang lintang differensial dan polarisasi foton untuk melihat kontribusi dari masing-masing kanal. Parameter model ditentukan melalui fitting dengan data eksperimen.

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ABSTRACT

Have investigated reaction of photoproduction η on proton being developed with isobar models. The amplitude transitions at the center of mass frame are translated into amplitude of Chew-Goldberger-Low-Nambu (CGLN). The amplitude of the terms involving the channel-s, -t, and -u in Born term and Resonans term. Formulated also the differential cross section and polarization of photons to see the contribution of each channel. Model parameters are determined by fitting the experimental data.;Have investigated reaction of photoproduction η on proton being developed with isobar models. The amplitude transitions at the center of mass frame are translated into amplitude of Chew-Goldberger-Low-Nambu (CGLN). The amplitude of the terms involving the channel-s, -t, and -u in Born term and Resonans term. Formulated also the differential cross section and polarization of photons to see the contribution of each channel. Model parameters are determined by fitting the experimental data.;Have investigated reaction of photoproduction η on proton being developed with isobar models. The amplitude transitions at the center of mass frame are translated into amplitude of Chew-Goldberger-Low-Nambu (CGLN). The amplitude of the terms involving the channel-s, -t, and -u in Born term and Resonans term. Formulated also the differential cross section and polarization of photons to see the contribution of each channel. Model parameters are determined by fitting the experimental data.;Have investigated reaction of photoproduction η on proton being developed with isobar models. The amplitude transitions at the center of mass frame are translated into amplitude of Chew-Goldberger-Low-Nambu (CGLN). The amplitude of the terms involving the channel-s, -t, and -u in Born term and Resonans term. Formulated also the differential cross section and polarization of photons to see the contribution of each channel. Model parameters are determined by fitting the experimental data.]