

Model interaksi $K+p$ berdasarkan pertukaran satu hadron = Interaction model of $K+p$ based on one hadron exchange

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Deskripsi Lengkap: <https://lib.ui.ac.id/detail?id=20429462&lokasi=lokal>

Abstrak

Sebuah model interaksi $K+p$ dirumuskan berdasarkan pertukaran satu hadron, yang diadopsi dari model interaksi yang lebih kompleks. Nilai parameter-parameter model tersebut dicari dengan cara fitting terhadap data eksperimen penampang lintang diferensial untuk rentang energi 21 MeV sampai 669 MeV. Perhitungan hamburan $K+p$ diselesaikan dengan teknik tiga dimensi.

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A model of $K+p$ interaction is formulated based on one hadron exchange, which is adapted from a more complex model. The parameters of the model are obtained by means of fitting processes to data of differential cross section in energy range from 21 MeV until 669 MeV. The scattering calculation is solved using three-dimensional technique.