Relativistic quark-diquark model of baryons

M. De Sanctis

Universidad Nacional de Colombia, Bogota, Colombia

J. Ferretti, E. Santopinto, A. Vassallo

INFN, Sezione di Genova, via Dodecaneso 33, I-16146 Genova, Italy

We briefly describe our relativistic quark-diquark model [1], developed within the framework of point form dynamics. In order to do that we have to introduce the effective degree of freedom of constituent diquark and show its main properties and quantum numbers. Our results for the nonstrange baryon spectrum [1] and for the nucleon electromagnetic form factors [2] are discussed.

Bibliography