

Abstract Submitted
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The Effect of Pion Exchange in a Relativistic Quark Model of Baryons¹ T. GOLDMAN, R. R. SILBAR, Los Alamos National Laboratory — We examine the effect of adding pion exchange between quarks and pion self-energy corrections to the Los Alamos Relativistic Quark model with a short-distance cutoff of the Bethe form. The contributions to the nucleon and the Δ -baryon are small. We conclude that the model is stable under this change in the sense that significant changes to the model parameters are not required.

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