

S.p.11. SREEDHARAN NAIR, M.N—Studies on Bag Models and Properties of Hadrons—1982—Dr. Babu Joseph

This thesis is devoted to theoretical studies on the properties of hadrons on the basis of bag models. It contains some applications of the MIT bag model to the spectroscopy and decay of hadrons. The inadequacies of the traditional model are brought out and a new version of the model, called variable pressure bag model, is developed. Some of the phenomenological applications of this model are discussed and predictions compared with experiment.