

RADIATIVE DECAYS OF LIGHT VECTOR MESONS IN POINCARÉ-COVARIANT QUANTUM MECHANICS

V. V. Andreev, V. Yu. Haurysh

Francisk Skorina Gomel State University, Gomel, Belarus

E-mail: vik.andreev@rambler.ru; mez0n@inbox.ru

The work dedicated to describing two-body compounded system of quarks (meson) in point form of Poincaré invariant quantum mechanics with potential, which was offered by so-called Mock-meson model. We show process of calculation the basis parameters of the model by the variational method with followed applications for radiative decay processes. For such calculation authors use the simplest radiative decay scheme. Comparing results with experimental data was shown how to calculate the anomalous part of quark magnetic moment.