

# MESON MASSES AND WIDTHS IN RELATIVISTIC QUARK MODEL

**M. N. Sergeenko**

Gomel State Medical University, Belarus

E-mail: mnsergey@tut.by

Quark potential model for two relativistic bound particles is explored. Relativistic quasi-classical wave equation for two-particle system is derived. The equation with the QCD-inspired scalar potential is solved by the quasi-classical method in the complex plane. The centered masses and total widths of the leading  $\rho$ -family resonances are calculated.