

Bound states and form factors in charm physics

Content

I will discuss theoretical continuum approaches to bound-state calculations, strong and weak decays and effective couplings related to D mesons. The associated wave functions, light-front distribution amplitudes and hadronic matrix elements are expressions of nonperturbative QCD. After motivating their origin in QCD factorization and heavy quark effective theory, we retrace their evolution from earlier quark-model calculations to non-perturbative QCD techniques with an emphasis on the formulation of bound states within the framework of the quark's gap equation and the meson's Bethe-Salpeter equation.

Summary

Primary author(s) : Prof. EL-BENNICH, Bruno (Cruzeiro do Sul University)

Presenter(s) : Prof. EL-BENNICH, Bruno (Cruzeiro do Sul University)