

Hadronic effects in the exclusive $b \rightarrow s$ transitions

Tuesday 16 April 2013 15:36 (22 minutes)

The search for new physics in the flavour-changing neutral-current

$b \rightarrow s \ell^+ \ell^-$ transitions demands an accurate knowledge of the relevant hadronic parameters calculated in QCD.

For the exclusive semileptonic B decays, in addition to the form factors, also the relevant nonlocal hadronic matrix elements have to be estimated.

I will discuss the hadronic effects in $B \rightarrow K^*(*) \ell^+ \ell^-$ decays at large recoil, obtained within a systematic approach,

combining light-cone operator-product expansion, QCD sum rules and hadronic dispersion relations.

Author: KHODJAMIRIAN, Alexander

Presenter: KHODJAMIRIAN, Alexander

Session Classification: Flavor and CP III