

# Portoroz 2013: Probing the Standard Model and New Physics at Low and High Energies

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

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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.

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