

CP Violation in pure hadronic three-body B meson decays

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The search for CP violation is a large part of the flavour programs at LHCb and the B factories, with pure hadronic decays as the key players. Three-body decays, which form a large part of the B meson branching fraction, contain much more information than two-body decays, because of their non-trivial kinematic structure. Recently, these decays were described using a QCD factorization framework similar to two-body decays, but with new non-perturbative inputs. I discuss a first study of CP violation in three-body B decays using this new framework.

Primary author: Dr VOS, Keri (Siegen University)

Presenter: Dr VOS, Keri (Siegen University)

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