

Phenomenology 2018 Symposium



Contribution ID: 554

Type: parallel talk

Lightcone resummation in $H \rightarrow J/\Psi + \gamma$ to $O(v^4)$

Tuesday 8 May 2018 15:30 (15 minutes)

Higgs exclusive decay to a J/Ψ plus a photon is a clean channel to probe the Higgs-charm coupling. In this process, large logarithms $\log(m_c/m_H)$ are resummed using the evolution of the lightcone distribution amplitude (LCDA), which in turn is matched to the long-distance matrix elements in NRQCD at the scale m_c . We will demonstrate the matching to $O(v^4)$ and its phenomenological implications.

Summary

Author: LAI, Wai Kin (TUM)

Presenter: LAI, Wai Kin (TUM)

Session Classification: QCD & EW I