## **EPS-HEP2019**



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## Nonfactorizable charm-loop effects in exclusive FCNC B-decays

Saturday 13 July 2019 09:00 (20 minutes)

We revisit the calculation of nonfactorizable corrections induced by charm-quark loops in exclusive FCNC *B*-decays. We demonstrate that the calculation of the corresponding correlation function requires the knowledge of the full generic three-particle quark-antiquark-gluon distribution amplitude of the B-meson with non-aligned arguments,  $\langle 0|\bar{q}(x)G_{\mu\nu}(y)b(0)|B\rangle$ . The dependence of this quantity on  $(x-y)^2$  is essential for a proper account of large  $(\Lambda_{QCD}m_b/m_c^2)^n$  terms in the amplitudes of exclusive FCNC *B*-decays.

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