Contribution ID: **174** Type: **not specified**

Heavy flavour effects in the virtual photon structure functions to NLO in QCD

Tuesday, April 28, 2009 5:35 PM (15 minutes)

We investigate the heavy quark mass effects in the virtual photon structure functions in the framework of the mass-independent renormalization group. We study a formalism in which the heavy quark mass effects are treated based on parton picture as well as on the operator product expansion, and perform the numerical evaluation of the effective virtual photon structure function to the next-leading order in QCD.

Primary author: UEMATSU, Tsuneo (Kyoto)

Presenter: UEMATSU, Tsuneo (Kyoto)

Session Classification: Heavy Flavours