



Contribution ID: 85

Type: **not specified**

## Massive quark form factors at three loops

*Saturday 14 May 2022 09:45 (15 minutes)*

I will present our calculation of massive quark form factors at three loops in QCD. After reducing the Feynman integrals in the amplitudes to master integrals, these were computed by solving differential equations. By constructing expansions around regular as well as singular points and numerical matching, we obtain sufficient precision over the whole kinematic range.

**Primary authors:** FAEL, Matteo (KIT Karlsruhe); LANGE, Fabian (KIT); SCHÖNWALD, Kay; STEINHAUSER, Matthias (KIT)

**Presenter:** LANGE, Fabian (KIT)

**Session Classification:** Saturday Morning Session 1