

# Crossing heavy-flavour thresholds in Fragmentation Functions

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Time-like matching threshold conditions are an ingredient of the DGLAP evolution for Fragmentation Functions in the Variable-Flavour-Number-Scheme. We introduce the theoretical framework by revising the next-to-leading order derivation. An extension of the formalism in electron-positron annihilation is derived at next-to-next-to leading order (NNLO) accuracy. We present an analytical form of the matching condition for light-flavour to hadron Fragmentation Function at NNLO. Outlooks regarding the missing NNLO threshold conditions are discussed.

Based on arXiv:2407.07623 in collaboration with Leonardo Bonino (UZH).

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