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## The role of hadronization processes to determine the fragmentation functions

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We are studying fragmentation functions (FFs) applying different hadronization processes and we are determining FFs from global analysis on single-inclusive electron-positron annihilation (SIA) and semi-inclusive deep inelastic scattering (SIDIS) data at NLO. We perform an improvement to the FFs of pion and kaon at next-to-leading order (NLO), including very recently single-inclusive electron-positron annihilation data from BABAR and Belle at  $Q = 10.54$  GeV and  $Q = 10.52$  GeV, respectively. Our main purpose is to show that imposing these new data in our analysis how much improve the fragmentation functions of pion and kaon at NLO.

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