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KKMCee: Multiphoton MC for lepton and quark pair production at lepton colliders

Thursday 24 October 2024 16:00 (15 minutes)

We present an overview of the Monte Carlo event generator for lepton and quark pair production for the high-energy electron-positron annihilation process. We note that it is still the most sophisticated event generator for such processes. Its entire source code is rewritten in the modern C++ language. We checked that it reproduces all features of the older code in Fortran 77. We discuss a number of improvements both in the MC algorithm and in its various interfaces, such as those to parton showers and detector simulation.

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