

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

*Friday 19 July 2024 10:00 (15 minutes)*

We present an overview of the KKMCee 5.00.2 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 re-written in the modern C++ language. We checked that it reproduces all features of the older **KKMC** 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.

## Alternate track

1. Accelerator: Physics, Performance, and R&D for Future Facilities

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Yes

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