

A subtraction scheme at NLO exploiting the privilege of kT-factorization

Thursday 18 April 2024 15:30 (30 minutes)

We present a subtraction scheme for the calculation of real-radiation integrals at NLO in hybrid kT-factorization. The main difference with known methods for collinear factorization is that we subtract the momentum recoil, occurring due to the mapping from an $(n+1)$ -particle phase space to an n -particle phase space, from the initial-state momenta, instead of distributing it over the final-state momenta.

Primary author: VAN HAMEREN, Andreas (IFJ PAN)

Presenter: VAN HAMEREN, Andreas (IFJ PAN)

Session Classification: Parallel 8