

# The automation of subtraction schemes for next-to-leading order calculations in QCD

*Thursday 25 February 2010 14:30 (30 minutes)*

There has been made tremendous progress in the automation of one-loop (or virtual) contributions to next-to-leading order (NLO) calculations in QCD, using both the conventional Feynman diagram approach as well as unitarity-based techniques. To have rates and distributions for observables at particle colliders at NLO accuracy also the real emission and subtraction terms have to be included in the calculation. Recently, two variations of subtraction schemes have been automated by several groups. In this talk these two schemes will be reviewed and their implementations discussed.

**Author:** Dr FREDERIX, Rikkert (University Zurich)

**Presenter:** Dr FREDERIX, Rikkert (University Zurich)

**Session Classification:** Thursday, 25 February - Methodology of Computations in Theoretical Physics

**Track Classification:** Methodology of Computations in Theoretical Physics