

## **Double parton scattering in the ultraviolet: addressing the double counting problem**

*Tuesday, 31 May 2016 11:00 (30 minutes)*

At short distance between partons, double parton scattering overlaps with loop contributions to standard single hard scattering. Responsible for this is the splitting of one parton into two, and different choices for the partitioning of these contributions between single and double scattering give rise to different cross section formulae and to different evolution equations for the double parton distributions. We present a consistent scheme to separate single from double hard scattering and illustrate numerically the relative importance of the respective contributions.

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**Session Classification:** Talks