

Multi-differential resummation with SCET+

Tuesday, 31 May 2016 16:30 (30 minutes)

I will discuss how to perform the simultaneous resummation of various series of logarithms using an extension of Soft Collinear Effective Theory, called SCET+. I will discuss this for the simultaneous measurement of the p_T of the Z boson and the hadronic beam thrust event shape [arXiv:1410.6483], which was recently measured at the LHC. However, I will also consider other types of logarithms, including kinematic logarithms [arXiv:1601.05088], jet radius logarithms and threshold logarithms.

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Session Classification: Talks