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Next-to-Leading Log Contributions to Jet Production with High Energy Jets

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In its embryonic form, High Energy Jets (HEJ) is a perturbative framework which allows for the resummation of QCD processes to Leading Log (LL) accuracy. This talk will briefly outline how the framework is derived and the key features of the resummation technique. Following on from this, we present how the formalism could be improved to Next-to-Leading Log (NLL) accuracy. We focus specifically on the inclusion of contributions which are formally sub-leading in jet production but LL in a particular partonic subprocess, extending the range of HEJ's applicability.

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