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Non-Global Logarithms at NLL accuracy

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We implement the two-loop anomalous dimension governing the resummation of non-global logarithms into a large- N_c parton shower framework which solves the renormalization group equations used to evolve from the collision energy to the scale associated with soft emissions. Combined with the one-loop corrections to the hard and soft functions we obtain resummed predictions at next-to-leading logarithmic accuracy for gap-between jet cross sections at both lepton and hadron colliders.

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