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Double Parton Scattering effects in 4 jet production at the LHC

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We study both the single and double parton scattering contributions to 4 jet production in kt -factorization using off-shell matrix elements and KMR PDFs. We compare them to the collinear case and find that the expected relevance of the Double Parton Scattering contribution is tamed in the kt -factorization framework: in particular, kinematic cuts should be chosen carefully as we thoroughly discuss.

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