

PUBLICATION LIST

Grégory Soyez



Regular articles

1. S. Caletti, O. Fedkevych, S. Marzani, D. Reichelt, S. Schumann, G. Soyez, V. Theeuwes, *Jet angularities in Z +jet production at the LHC*, JHEP **07** (2021) 076 [[arXiv:2104.06920](#)]
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3. K. Hamilton, R. Medves, G.P. Salam, L. Scyboz, G. Soyez, *Colour and logarithmic accuracy in final-state parton showers*, JHEP **03** (2021) 41 [[arXiv:2011.10054](#)]
4. A. Lifson, G.P. Salam, G. Soyez, *Calculating the primary Lund Jet Plane density*, JHEP **10** (2020) 170 [[arXiv:2007.06578](#)]
5. G. Kasieczka, S. Marzani, G. Soyez, G. Stagnitto, *Towards Machine Learning Analytics for Jet Substructure*, JHEP **09** (2020) 195 [[arXiv:2007.04319](#)]
6. P. Caucal, E. Iancu, A.H. Mueller, G. Soyez, *Nuclear modification factors for jet fragmentation*, JHEP **10** (2020) 204 [[arXiv:2005.05852](#)]
7. M. Dasgupta, F. Dreyer, K. Hamilton, P.F. Monni, G.P. Salam, G. Soyez, *Parton showers beyond leading logarithmic accuracy*, Phys. Rev. Lett. **125** (2020) 5, 052002 [[arXiv:2002.11114](#)]
8. B. Ducloué, E. Iancu, G. Soyez, D.N. Triantafyllopoulos, *HERA data and collinearly-improved BK dynamics*, Phys. Lett. B **803** (2020) 135305 [[arXiv:1912.09196](#)]
9. P. Caucal, E. Iancu, G. Soyez, *Deciphering the z_g distribution in ultrarelativistic heavy ion collisions*, JHEP **10** (2019) 273 [[arXiv:1907.04866](#)]
10. M. Cacciari, S. Forte, D. Napoletano, G. Soyez, G. Stagnitto, *Single-jet inclusive cross section and its definition*, Phys. Rev. D **100** (2019) 11, 114015 [[arXiv:1906.11850](#)]
11. S. Marzani, D. Reichelt, S. Schumann, G. Soyez, V. Theeuwes, *Fitting the Strong Coupling Constant with Soft-Drop Thrust*, JHEP **11** (2019) 179 [[arXiv:1906.10504](#)]
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13. D. Napoletano and G. Soyez, *Computing N -subjettiness in a dense QCD medium*, JHEP **1812** (2018) 031 [[arXiv:1809.04602](#)]
14. M. Dasgupta, M. Guzzi, J. Rawling, G. Soyez, *Top tagging: an analytical perspective*, JHEP **1809** (2018) 170 [[arXiv:1807.04767](#)]
15. F.A. Dreyer, G. Salam and G. Soyez, *The Lund Jet Plane*, JHEP **1812** (2018) 064 [[arXiv:1807.04758](#)]
16. F.A. Dreyer, L. Necib, G. Soyez and J. Thaler, *Recursive Soft Drop*, JHEP **1806** (2018) 093 [[arXiv:1804.03657](#)]
17. P. Caucal, E. Iancu, A.H. Mueller, G. Soyez, *Vacuum-like jet fragmentation in a dense QCD medium*, Phys.Rev.Lett. **120** (2018) 232001 [[arXiv:1801.09703](#)]
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19. S. Marzani, L. Schunk, G. Soyez, *The jet mass distribution after Soft Drop*, Eur. Phys. J. C **78**(2018) no.2, 96 [[arXiv:1712.05105](#)]
20. P. Gras, S. Höche, D. Kar, A. Larkoski, L. Lönnblad, S. Plätzer, A. Siódmok, P. Skands, G. Soyez, J. Thaler, *Systematics of quark/gluon tagging*, JHEP **1707** (2017) 091 [[arXiv:1704.03878](#)]
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25. M. Dasgupta, L. Schunk and G. Soyez, *Jet shapes for boosted jet two-prong decays from first-principles*, JHEP **1604** (2016) 166 [[arXiv:1512.00516](#)]
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