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Some recent developments in the area of jet substructure

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We first report on the detailed study of performance against robustness of two-prong substructure taggers, performed as a part of Les Houches 2017 Standard Model Working group report (arXiv:1803.07977 [hep-ph]). Then recent results on detector level smearing for jet substructure observables will be discussed, where we point out the shortcomings of the usual Delphes based approach, and suggest improvements.

Primary author: KAR, Deepak (University of Witwatersrand)

Presenter: KAR, Deepak (University of Witwatersrand)

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