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Identification of boosted hadronically decaying particles with jet substructure in ATLAS Run-2

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In order to exploit the abundance of high momentum heavy particles produced at LHC (top, W/Z and Higgs) and decaying hadronically, the study of jet substructure has become increasingly important throughout a wide array of searches and measurements. The latest ATLAS results in terms of jet substructure measurements and calibrations are presented including studies of performance sensitivity to pileup, with several grooming algorithms and recently developed constituent level pile up mitigation techniques.

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