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【313】 Identification of Hadronically-Decaying W Bosons and Top Quarks Using Machine Learning in ATLAS at $\sqrt{s} = 13$ TeV

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Identification of hadronically-decaying W bosons and top quarks using high-level features as input to deep neural networks and boosted decision trees is investigated. The use of machine learning techniques is found to improve the background rejection with respect to simple reference single jet substructure and mass taggers.

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