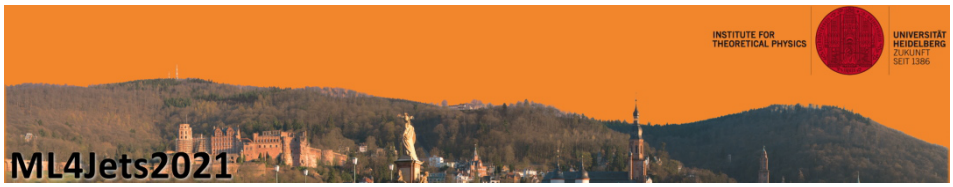


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# Boosted jet tagging in CMS

*Wednesday, July 7, 2021 11:00 AM (20 minutes)*

Identification of hadronic decays of highly Lorentz-boosted W/Z/Higgs bosons and top quarks provides powerful handles to a wide range of new physics searches and Standard Model measurements at the LHC. This talk presents recent advances in boosted jet tagging algorithms in CMS. The application of novel machine-learning techniques has substantially improved the tagging performance and led to a significant increase in the physics reach.

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**Session Classification:** Classification