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Performance of heavy flavour jet identification in boosted topologies in CMS 13 TeV data

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Physics measurements in the highly Lorentz-boosted regime are a critical part of the LHC physics program. In the CMS Collaboration, various boosted-jet tagging algorithms, designed to identify hadronic jets originating from the decay of a massive particle to $b\bar{b}$ or $c\bar{c}$, have been developed and deployed in a variety of analyses. This talk summarises the performance of these algorithms with Run-2 data collected with $\sqrt{s} = 13$ TeV. Three control regions are studied, including jets from $g \rightarrow b\bar{b}$ ($c\bar{c}$) decays or Z decays. The algorithms are calibrated using a combination of measurements in these three regions.

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