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# Jet substructure measurements in pp collisions at $\sqrt{s} = 13$ TeV with ALICE

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We present a variety of jet substructure measurements performed in pp collisions at $\sqrt{s} = 13$ TeV with the focus on grooming, among them $z_g$, $M_g$ and $R_g$, in a wide range of $p_{\mathrm{T}}$ between 20 and 200 GeV/$c$ and jet resolution $0.2 < R < 0.5$. Thanks to the capabilities of the ALICE apparatus jet substructure measurement are possible with an infrared constituent cutoff at 0.15 GeV. Furthermore, the angular resolution of the ALICE detectors allows the measurement of jet substructure observables with a high precision. Comparisons between groomed and ungroomed observables are discussed. The measurements are compared to pQCD calculations and MC generators. Furthermore, the measurement of track-based jets at the same centre-of-mass energy and its dependence on the event activity are presented.

## Summary

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