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Jet reconstruction and boosted object tagging at the Compact Linear Collider

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The Compact Linear Collider project envisages an electron-positron collider with a low-energy stage at $\sqrt{s} = 380$ GeV and an ultimate center-of-mass reach up to 3 TeV. Detailed Monte Carlo simulation studies of the detector are performed to optimize the design of the experiment and to understand the physics potential. CLIC aims to meet the challenging requirements on jet reconstruction performance with a highly granular calorimeter and particle-flow reconstruction. In this contribution we present studies of the jet reconstruction performance and new results on the capability of the experiment to identify highly boosted objects.

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