

New Trends in High-Energy Physics



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Probing QCD at high energy

Perturbative QCD calculations at next-to-next-to leading order are available for many processes since several years and can be rigorously tested with a large variety of final states. The latest results from the ATLAS collaboration involving jets, dijets, photons in association with heavy flavors and vector bosons in association with jets, measured at center of mass energies of 8 and 13 TeV are presented. All measured cross-sections are compared to state-of-the art theory predictions.

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