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## Testing QCD with jets measured by CMS down to very low- $p_T$ and into the forward phase space

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Several measurements of QCD jets are presented as performed at different center-of-mass energies with the CMS experiment. By extending the measurement into the forward phase space and also towards low- $p_T$  the sensitivity to new features of QCD is maximised. The simultaneous observation of several jets in the same event is exploited to study for example the angular correlations of Mueller Navelet jet topologies in order to search for the signature of BFKL parton dynamics. But multi-jet measurements are also used to test higher-order QCD effects, and by lowering the jet  $p_T$  to the smallest possible values the minijet production close to the factorization limit is studied.

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