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## Results on Hard Probes from LHC Heavy Ion Collisions

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Collisions of ultra-relativistic heavy ions is the only known way of experimentally studying new form of QCD matter at high temperatures and energy densities. In such collisions, a state of deconfined quarks and gluons known as the quark-gluon plasma (QGP) is produced. Hard probes or partons from early-time interactions with large momentum transfer are produced prior to the formation of the QGP, and thus act as tomographic probes of the medium. Studies of the final-state particles produced in these hard scatterings can provide important information about the properties and interactions of the medium. Some of the key observables include nuclear modification factors for hadrons and jets as well as various jet substructure observables. An overview of the latest hard probes results from the LHC will be presented.

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