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Abstract for an Invited Paper for the DNP12 Meeting of the American Physical Society

## Jet measurements at the LHC

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I will review the latest results from the heavy ion program on high- $p_T$  jet physics at the LHC. The high luminosity PbPb run at the LHC in 2012 has significantly extended the capability of studying high- $p_T$  rare processes produced in the heavy ion collisions. New results from ALICE, ATLAS and CMS experiments will be presented. This includes detailed precision measurements on dijet energy imbalance, jet shape and fragmentation pattern, jet nuclear modification factor, jet-track correlations, as well as path-length dependence of jet quenching.