

Abstract Submitted  
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**Signal Reconstruction and Performance of the ATLAS Hadronic calorimeter**<sup>1</sup> ATLAS ATLAS, ATLAS, ATLAS COLLABORATION — The Tile Calorimeter (TileCal) of the ATLAS experiment is the hadronic calorimeter designed for energy reconstruction of hadrons, jets, tau-particles and missing transverse energy. Latest results on calibration, signal reconstruction and performance of the TileCal detector using pp collision data are presented. The studies of the TileCal response to single isolated charged particles and the noise description with increasing pile-up are presented. In addition, TileCal upgrade plans are discussed.

<sup>1</sup>on behalf of the ATLAS Collaboration

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