Abstract Submitted for the PSF09 Meeting of The American Physical Society

Early Minimum Bias Physics at ATLAS MAAIKE LIMPER, The University of Iowa, THE ATLAS COLLABORATION — The Large Hadron Collider is expected to deliver the first collisions at end of this year. One of the first measurements by the ATLAS Collaboration will be the properties of the inelastic collisions: the central particle density and transverse momentum distributions. This talk will describe the ATLAS minimum bias triggers, the performance of the low transverse momentum track reconstruction and the precision with which the minimum bias distributions can be measured with early data.

Prafulla Behera The University of Iowa

Date submitted: 20 Oct 2009 Electronic form version 1.4