Abstract Submitted for the HAW05 Meeting of The American Physical Society

Results of Identified pions, kaons, (anti-)protons in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV from STAR HAIDONG LIU, STAR COLLABO-RATION — Ultra-relativistic Au+Au collisions at RHIC create a hot and dense medium that exhibits novel properties. Study of these properties and hadronization mechanisms of the medium requires identified particle results over wide transverse momentum (p_T) range. In this talk, we will present the results of pions, kaons and (anti-)protons p_T spectra in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV using the STAR detector at RHIC. The particle identification is achieved by a combination of the Time-Of-Flight (TOF) and the Time Projection Chamber (TPC) detectors. The p_T range is measured up to 12 GeV/c for pions, 3 GeV/c for kaons and 6 GeV for (anti-)protons. The particle ratios and the nuclear modification factors (R_{AA} and R_{CP}) will be presented. The physics indications of these measurements will be discussed.

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Date submitted: 25 May 2005

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