## Charged Particle Production at High Rapidity from p+p Collisions at RHIC

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The BRAHMS collaboration has measured fully identified charged hadron production at high rapidity ( $y \sim 3$ ) in p+p collisions at RHIC ( $\sqrt{s} = 200 \text{ GeV}$ ). These measurements are the first of this nature at high energy and will be instrumental in improving the understanding of hadron-hadron interactions in the context of QCD. We will present cross-sections for pions, kaons and protons, as well as their antiparticles, and compare them to NLO pQCD calculations using different sets of fragmentation functions. These comparisons can then be used to constrain the parton-parton processes that dominate at the measured transverse momentum we have identified an unexpectedly high abundance of protons that is not described with the standard factorized cross-section calculations, and that may provide additional insight into the still open puzzle of baryon number transport in hadron-hadron collisions.