

Abstract Submitted  
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**Longitudinal scaling of net-protons in AuAu and pp collisions at RHIC energies**<sup>1</sup> FLEMMING VIDEBAEK, Brookhaven National Lab, BRAHMS COLLABORATION — BRAHMS has studied net-protons distributions in Au+Au and p+p collisions at  $\sqrt{s_{NN}}=62.4$  and 200 GeV. Net-proton distributions reflect the net-baryon yields and can be used to extract the nuclear stopping in the collisions, thus providing information on baryon number transport and energy available for particle production. The talk will present final and preliminary results from the above mentioned systems. It will be shown that in p+p and in Au+Au central collisions that net-proton distributions exhibit longitudinal scaling once the target contribution to the projectile rapidity range is corrected for. The difference between p+p and Au+Au will be discussed. Aspects of future measurements at the LHC of net-baryons at mid-rapidity will be brought forth.

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