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Transverse Single Spin Asymmetries for identified charged hadrons in p+p collisions at $\sqrt{s}=200$ and 62 GeV. J.H. LEE, F. VIDEBAEK, Brookhaven National Laboratory, BRAHMS COLLABORATION — The transverse single-spin asymmetries of identified charged hadrons, π , of K, p and pbar, have been measured at mid and forward rapidities in polarized proton-proton collisions at $\sqrt{s}=200$ GeV and for π^- at $\sqrt{s}=62$ GeV. The data were obtained with the two magnetic spectrometers in the BRAHMS experiment at RHIC. The data cover a Feynman-x (x_F) range 0-0.35 at 200 GeV and 0-0.6 at 62 GeV in $0.5 < p_T < 3$ GeV/c. The dependence on p_T and x_F are discussed in the context of theoretical models based on pQCD. In addition, inclusive cross sections at forward rapidities are compared to NLO pQCD calculations. This work is supported by the Division of Nuclear Physics of the Office of Science of the US DOE.

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