x_F Dependent Single Spin Asymmetries for $\pi^{\pm}, \mathbf{K}^{\pm}, \mathbf{p}$ and pbar in Polarized p+p Collisions at $\sqrt{\mathbf{s}} = 200$ GeV and 62 GeV

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The transverse single-spin asymmetries of identified charged hadrons, π^{\pm} , K[±], p and pbar, have been measured at mid- and forward rapidities in polarized proton-proton collisions at $\sqrt{s} = 200$ GeV and $\sqrt{s} = 62$ GeV. The data were obtained with the Broad RAnge Hadron Magnetic Spectrometers (BRAHMS) 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 results are discussed in the context of theoretical models based on pQCD. In addition, the inclusive cross sections at forward rapidities in the collisions are presented and compared to NLO pQCD calculations.