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**Recent Spin Physics Results from PHENIX**

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The performance of RHIC as a polarized proton collider has increased dramatically with every year of running. The polarized data taken by PHENIX in the 2005 and 2006 runs have made a variety of new analyses possible, with significant data sets available for both longitudinal and transverse spin physics. Measurements of the double-helicity asymmetry in the production of various particle species provide further constraints on the gluon polarization, and the data from transversely polarized collisions offer the opportunity for several exploratory measurements probing the transverse spin structure of the proton, still poorly understood. Latest results and the status of ongoing analyses will be discussed.