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Transverse single spin asymmetry measurements at PHENIX

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Transverse spin phenomena have challenged our understanding of the structure of the nucleon and the strong interaction in many ways. The single transverse spin asymmetries that were measured at RHIC continue to challenge us as the contributions from initial and final state effects as well as the contributions from various flavors are not well understood. The PHENIX experiment has contributed various newer measurements of charged muons and hadrons at forward rapidities as well as neutral mesons at central rapidities. These measurements as well as the status of direct photon asymmetries at sqrt{s}= 200 GeV at central rapidities, which are sensitive essentially only to initial-state effects, will be presented.

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