

# XXVI International Workshop on Deep Inelastic Scattering and Related Subjects



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## W Measurement at PHENIX

*Wednesday, April 18, 2018 9:50 AM (20 minutes)*

The  $W$  measurement at RHIC (Relativistic Heavy Ion Collider) provides unique access to the sea quark polarization of the proton. By measuring decay leptons from parity-violating  $W$  bosons, which only coupled to left-handed quarks and right-handed antiquarks, a clean, fragmentation free measurement is possible in addition to natural flavor separation. In this talk, we present status and results of single longitudinal spin asymmetry ( $A_L$ ) measurements at PHENIX with data collected in 2011-2013.

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**Track Classification:** WG6: Spin and 3D structure