

# Azimuthal asymmetry of forward neutrons in polarized pp collisions

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## Summary

Recent data on the single-spin asymmetry of leading neutrons from the PHENIX experiment cannot be explained by the pion pole, even corrected for the strong absorption effects. We found a large spin effects from interference of the pion pole with the rho-pion Regge cut, whose parameters are fixed using data on diffractive 3-pion production, and the current algebra relations.

The numerical results of the parameter-free calculation of  $A_N$  are in excellent agreement with the PHENIX data.

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