

Glue Spin from Lattice QCD

Thursday, 31 May 2018 14:00 (30 minutes)

The formulation of the glue spin operator and large momentum effective theory will be reviewed and a direct calculation of the glue spin from the lattice calculation with chiral fermion action will be presented. The lattice calculation is carried out with overlap fermion on 2+1 flavor domain wall fermion configurations. Both the overlap and domain wall fermions are chiral fermions. A global fit with large momentum extrapolation on multiple lattices with 4 lattice spacings and one at physical pion mass to assess the systematic errors has been undertaken to reach the final result.

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Collaboration name

χ QCD Collaboration

Funding source

DOE Nuclear Physics

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Session Classification: Parton and Gluon Distributions in Nucleons and Nuclei

Track Classification: PGDNN