AFTER @ LHC

ID de Contribution: **2**   Type: **Contributing talk**

Quark tensor and axial charges within the Schwinger-Dyson formalism (30'+5')

lundi 13 janvier 2014 18:00 (35 minutes)

We calculate the tensor and axial charges of the quark in the QCD-like theory in the Landau gauge by solving the Schwinger-Dyson equation.
It is found that the dressed tensor and axial charges of the quark are significantly suppressed against the bare quark contribution, and the result is quite consistent with the analyses in the collinear factorization approach and the lattice QCD.
We show that the suppression of the quark tensor and axial charges is due to the superposition of the spin flip of the quark arising from the successive emission of gluons dressing the tensor and axial vertices.

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Classification de Session: Spin Physics with AFTER