

# XXVIII International Workshop on Deep Inelastic Scattering and Related Subjects



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Type: **Invited Talk**

## Recent advances on Spin and 3D nucleon structure

*Monday, 23 March 2020 12:25 (35 minutes)*

I will discuss recent progress in the theoretical and phenomenological investigation of the spin structure of the nucleon. In particular, I will report on the status of the verification of the spin sum rule for the proton. I will focus on the possibility to access information on the quark orbital angular momentum from different types of parton distributions, such as transverse momentum dependent parton distributions, generalized parton distributions, and Wigner functions and discuss how these distributions can be used to map out the multidimensional partonic structure of the proton in coordinate and momentum space.

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