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The 3D pictures of the nucleon: status and prospects

CEDRIC LORCE, IPNO, University of Paris-Sud (France) and IFPA, University of Liege (Belgium)

We propose an overview of the nucleon tomography in both mixed position-momentum space and pure momentum space. Three-dimensional pictures of the nucleon congregate a lot of information on Quantum ChromoDynamics in its non-perturbative regime, in particular about how the partons are distributed inside the nucleon and how initial and final-state interactions affect the system. After a short presentation of how such information can be accessed experimentally, we present selected recent developments and results. The last part of the presentation will be devoted to prospects.