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Generalized parton distributions from lattice QCD

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Last years have brought a breakthrough in the lattice calculations of x-dependent partonic distributions, such as generalized parton distributions (GPDs). The recent progress for the latter is related to the use of asymmetric frames of reference. This allows for simultaneous access to several values of the momentum transfer, significantly enhancing the prospects of fully mapping the multi-dimensional dependence of GPDs. We review this progress in numerical investigations of all leading-twist as well as some examples of twist-3 GPDs.

session

C. Hadron Structure

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