

EINLADUNG

zum Symposium „Relativistic Hadrons“

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“Revealing Hadron Structures Through Hard Exclusive Processes”

Until now a comprehensive understanding of the bound-state dynamics of hadrons and their structure is elusive and challenging. Historically, most of the information about the nucleon structure especially at high energies has come from deeply inelastic scattering encoded in parton distribution functions (PDFs). Since PDFs contain no information about the transversal distribution of partons, other ways are tried to find more complete insights into hadron structure. Exclusive processes, i.e., scattering reactions in which the kinematics of all initial and final state particles are specified, offer such an arena. Here, I will review the hadron structure through so-called hard exclusive processes at high energies where the strong interaction can be treated perturbatively, especially in terms of distribution amplitudes (DAs) and generalized parton distributions (GPDs). Selected processes will be discussed with emphasis on photo- and electroproduction of mesons.

Zeit: Friday, 30.09.2022, 11:00 Uhr

Ort: HS 05.12, Universitätsplatz 5

Bitte beachten Sie die aktuellen Covid-Maßnahmen der Universität Graz!