

Spatial densities, form factors and internal properties of Hadrons

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What can we learn about the internal structure of hadrons from the matrix elements of the electromagnetic current and the energy-momentum tensor?

To give an answer we parametrize these matrix elements in terms of form factors and briefly discuss how the form factors are connected with experimentally measurable quantities, in particular the gravitational form factors with the generalized parton distributions. In the second part of the talk, we will connect the form factors of hadrons with spatial densities possessing access to the internal electromagnetic and gravitational structure of hadrons and their fundamental properties.

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