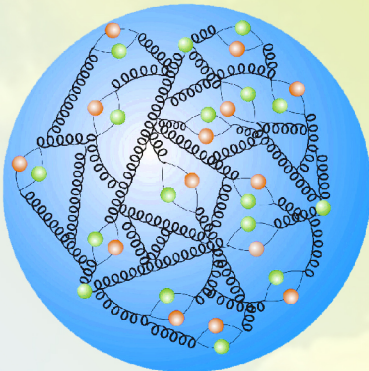


New experimental and theoretical information on the inner structure of proton



Speaker

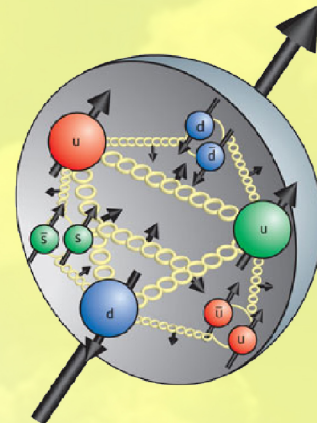
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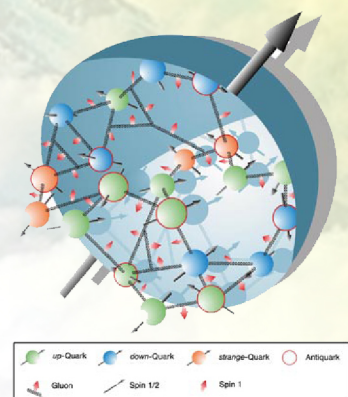
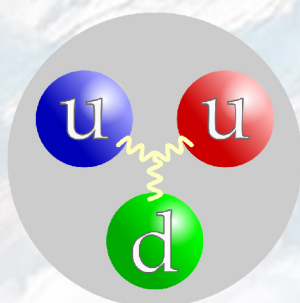
Date and time

Wednesday, 21 Tir, 1402 (12th July, 2023), 6 pm



Abstract

Proton is the main building block of visible matter. Although we have some information about its physical properties, its inner structure is not clear yet. There are also some puzzles regarding its spin, radii (charge, mass and mechanical), distribution of charge and magnetization inside as well as origin of its mass. In this talk I will discuss these issues introducing different form factors (electromagnetic, gravitational, etc) and generalized parton distributions (GPDs) of proton. I will also address the new experimental and theoretical findings about the quark-gluon organization and shape of the proton.



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