Contribution ID: **106** Type: **Talk**

Quantum Chromodynamics and the Constituent-Quark Model

Thursday 29 August 2024 09:00 (45 minutes)

I will review the main achievements in hadronic physics that have been gained along constituent-quark models over about 50 years, since the creation of quantum chromodynamics. In particular, I will show that the modern relativistic constituent-quark model serves as a good effective approach to a unified description of hadron physics in the low-energy regime. There the relevant degrees of freedom of quantum chromodynamics can be well incorporated via a Poincaré-invariant Hamiltonian theory. As a result the essential phenomena of low-energy hadrons (masses and structure properties) can be described in agreement with phenomenology.

Internet talk

No

Is this an abstract from experimental collaboration?

No

Name of experiment and experimental site

N/A

Is the speaker for that presentation defined?

Yes

Details

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