

Lattice QCD: From Action to Hadrons

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Abstract content

Summary

Understanding how the structure, spectroscopy, and interactions of hadrons emerge from QCD is one of the central challenges of contemporary nuclear physics. Recent advances in lattice field theory, investments in computer resources and development of efficient algorithms have now made lattice QCD a powerful quantitative tool that provides an unprecedented opportunity to understand, and make precision calculations, of the nonperturbative phenomena of QCD. After a brief introduction to lattice field theory, I will review the present status of lattice calculations of hadron structure and spectroscopy.

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