

lattice gauge theories an pdf

We give an introduction to lattice gauge theories with an emphasis on QCD. Requirements are quantum mechanics and for a better understanding relativistic quantum mechanics and continuum quantum field theory. These are not lecture notes written to be easily readable (a script), but my private notes.

Introduction to lattice gauge theories - DESY

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where we will study the Pi-representation of field theories in detail.12 Lattice Gauge Theories JM-I) _(<) .(. consisting of straight line segments in every infinitesimal time interval.

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Part one is an introductory lecture on the lattice gauge theories in general, Monte Carlo techniques and on the results to date. Part two consists of important original papers in this field. These selected reprints involve the following: Lattice Gauge Theories, General Formalism and Expansion Techniques, Monte Carlo Simulations.

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