

1. Record Nr.	UNINA9910777487803321
Titolo	Perspectives in lattice QCD [[electronic resource]] : proceedings of the workshop : Nara International Seminar House, Nara, Japan, 31 October-11 November 2005 // edited by Yoshinobu Kuramashi
Pubbl/distr/stampa	Hackensack, NJ, : World Scientific, c2008
ISBN	1-281-93360-0 9786611933609 981-279-092-6
Descrizione fisica	1 online resource (vii, 312 p.) : ill
Altri autori (Persone)	KuramashiYoshinobu
Disciplina	539.7/548
Soggetti	Quantum chromodynamics Lattice field theory Lattice gauge theories
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Preface -- Fixed point actions, symmetries and symmetry transformations on the lattice / P. Hasenfratz -- Algorithms for dynamical fennions / A. D. Kennedy -- Applications of chiral perturbation theory to lattice QCD / Stephen R. Sharpe -- Lattice QCD with a chiral twist / S. Sint -- Non-perturbative QCD: renormalization, O(A) - Improvement and matching to Heavy Quark effective theory / Rainer Sommer.
Sommario/riassunto	"This book consists of a series of lectures to cover every facet of the modern version of lattice QCD. All the lectures are self-contained starting with the necessary background material and ending up with the latest development. Most of the lectures are given by pioneers in the field. This book may be useful as an advanced textbook for graduate students in particle physics and its modern and fascinating contents will inspire the interest of the non-experts."