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Titolo	Quantum field theory and beyond [[electronic resource]] : essays in honor of Wolfhart Zimmermann : proceedings of the symposium in honor of Wolfhart Zimmermann's 80th birthday, Ringberg Castle, Tegernsee, Germany, 3-6 February 2008 // editors, Erhard Seiler, Klaus Sibold
Pubbl/distr/stampa	Singapore ; ; Hackensack, NJ, : World Scientific, c2008
ISBN	981-283-355-2
Descrizione fisica	1 online resource (216 p.)
Altri autori (Persone)	ZimmermannWolfhart SeilerErhard <1942-> SiboldK (Klaus)
Disciplina	530.14/3
Soggetti	Quantum field theory Field theory (Physics)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Zimmermann's subtraction scheme and the perturbative solution to the renormalization group evolution equations / C. Becchi -- A new look at the Higgs-Kibble model / O. Steinmann -- Large regular QCD coupling at low energy? / D. V. Shirkov. The dihedral group as a family group / J. Kubo. On the consequences of twisted Poincare symmetry upon QFT on Moyal noncommutative spaces / G. Fiore -- Taming the Landau ghost in noncommutative quantum field theory / H. Grosse -- Warped convolutions: a novel tool in the construction of quantum field theories / D. Buchholz and S. J. Summers. Quantum (or averaged) energy inequalities in quantum field theory / R. Verch -- Field theory and brane dynamics / T. E. Clark -- Knots as possible excitations of the quantum Yang-Mills fields / L. D. Faddeev. Feynman graphs and renormalization in quantum diffusion / L. Erdos, M. Salmhofer and H. -T. Yau. Renormalization in chaotic and pseudochaotic dynamical systems / J. H. Lowenstein.
Sommario/riassunto	This book contains a collection of essays written in honor of Wolfhart Zimmermann's 80th birthday, most of them based on talks presented

at a symposium in his honor. The book shows the unifying force of a subject (Quantum Field Theory) and a person (Zimmermann). It ranges from fundamental questions in quantum physics over applications to particle physics and noncommutative geometry to the latest developments in many body theory and dynamical systems. These key ideas are elucidated by worldwide-recognized experts including Faddeev, Becchi, Buchholz, Lowenstein and Salmhofer. Readers seeking examp
