1. Record Nr. UNINA9910146578103321

Autore	Choi K.-S (Kang-Sin)
Titolo	Quarks and leptons from orbifolded superstring / / Kang-Sin Choi, Jihn E. Kim
Pubbl/distr/stampa	Berlin, Germany ; ; New York, New York : , : Springer, , [2006] ©2006
ISBN	1-280-62722-0 9786610627226 3-540-32764-9
Edizione	[1st ed. 2006.]
Descrizione fisica	1 online resource (408 p.)
Collana	Lecture Notes in Physics, , 0075-8450 ; ; 696
Disciplina	539.7258
Soggetti	Supersymmetry Leptons (Nuclear physics) Quarks
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	and Summary -- Standard Model and Beyond -- Orbifolds and Spinors -- Field Theoretic Orbifolds -- Quantization of Strings -- Strings on Orbifolds -- Partition Function and Spectrum -- Interactions on Orbifolds -- String Orbifold Spectra -- Orbifold Phenomenology -- Code Manual and Z3 Tables -- Calabi–Yau Manifold -- Other Constructions -- Elliptic Functions -- Useful Tables for Model Building -- Some Algebraic Elements of Lie Groups.
Sommario/riassunto	This book seeks to be a guidebook on the journey towards the minimal supersymmetric standard model down the orbifold road. It takes the viewpoint that the chirality of matter fermions is an essential aspect that orbifold compactification allows to derive from higher-dimensional string theories in a rather straight-forward manner. Halfway between a textbook and a tutorial review, Quarks and Leptons from Orbifolded Superstring is intended for the graduate student and particle phenomenologist wishing to get acquainted with this field.