

Electroweak and Strong Interactions: An Introduction to Theoretical Particle Physics - 499 pages - Florian Scheck - 9783662032459 - 2013 - Springer Science & Business Media, 2013

An Introduction to Gauge has been added to your Cart. Add a gift receipt with prices hidden. Buy used. This series will provide a broad range of high quality books, suitable for experimentalists and theorists, covering all aspects of particle physics, nuclear physics, cosmology, and the interfaces between them. Publications in the series will range from experimentally - oriented books, for example on accelerators and detectors, to books describing broad areas of theory and the supporting experimental data. Read more. Product details. Electroweak And Strong Interactions book. Read reviews from world's largest community for readers. Acclaimed in its first edition, this graduate-level text. Start by marking Electroweak And Strong Interactions: An Introduction To Theoretical Particle Physics: With 59 Figures, 80 Exercises And Solutions as Want to Read: Want to Read saving. Want to Read. Currently Reading. Electroweak and Strong Interactions. Springer-Verlag Berlin Heidelberg GmbH. Florian Scheck. Electroweak and. Strong Interactions. An Introduction to Theoretical Particle Physics Second Revised and Enlarged Edition With 59 Figures, 80 Exercises and Solutions, Springer. Professor Dr. F. Scheck Institut für Physik Johannes Gutenberg-Universität Staudinger Weg 7 55099 Mainz, Germany. This book has its roots in a book on Leptons, Hadrons and Nuclei which I published, under that title in 1983, and, naturally enough, in the lectures and courses on elementary particle physics that I have given over the years, first at the Eidgenössische Technische Hochschule in Zurich, and later at the Johannes Gutenberg University in Mainz. The theorems of flavour physics. Individual lepton number conservation. Elementary particle physics is the quadrant of nature whose laws can be written in a few lines with absolute precision and the greatest empirical adequacy. If this is the case, as I believe it is, it must be possible and is probably useful to introduce the students and the interested readers to the entire subject in a compact way. This is the main aim of these Lectures. The Standard Model is the reference theory for particle physics, including the fact that one often explicitly refers to Beyond the Standard Model physics. There are two main difficulties in trying to give a concise course on theoretical particle physics. The first one is the number of different specialized chapters that compose nowadays particle physics.