

Perspectives on String Phenomenology (22)



The remarkable recent discovery of the Higgs boson at the CERN Large Hadron Collider completed the Standard Model of particle physics and has paved the way for understanding the physics which may lie beyond it. String/M theory has emerged as a broad framework for describing a plethora of diverse physical systems, which includes condensed matter systems, gravitational systems as well as elementary particle physics interactions. If string/M theory is to be considered as a candidate theory of Nature, it must contain an effectively four-dimensional universe among its solutions that is indistinguishable from our own. In these solutions, the extra dimensions of string/M theory are compactified on tiny scales which are often comparable to the Planck length. String phenomenology is the branch of string/M theory that studies such solutions, relates their properties to data, and aims to answer many of the outstanding questions of particle physics beyond the Standard Model. This book contains perspectives on string phenomenology from some of the leading experts in the field. Contributions will range from pedagogical general overviews and perspectives to more technical reviews. We hope that the reader will get a sense of the significant progress that has been made in the field in recent years (e.g. in the topic of moduli stabilization) as well as the topics currently being researched, outstanding problems and some perspectives for the future.

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implications for phenomenology. In *Los Angeles 1995, Future perspectives in string theory* 178-180 . [22], Strong / weak coupling duality relations for nonsupersymmetric string theories - Blum, Julie D. et al. **New Perspectives in String Phenomenology from Dualities** Buy Perspectives on String Phenomenology (Advanced Series on Directions in High Energy Physics) (Volume 22) on ? FREE SHIPPING on **String Phenomenology: Past, Present and Future Perspectives - MDPI** THE STRING THEORY UNIVERSE - 22nd European string workshop and Final correspondence (fundaments and applications), string phenomenology and of gender activities already organized by the Action and future perspectives.