

Particles and fundamental interactions : supplements, problems and solutions : a deeper insight into particle physics / Sylvie Braibant, Giorgio Giacomelli, Maurizio Spurio

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Abstrak

This volume is an exercises and solutions manual that complements the book "Particles and Fundamental Interactions" by Sylvie Braibant, Giorgio Giacomelli, and Maurizio Spurio. It aims to give additional intellectual stimulation for students in experimental particle physics. It will be a helpful companion in the preparation of a written examination, but also it provides a means to gaining a deeper understanding of high energy physics. The problems proposed are sometimes true and important research questions, which are described and solved in a step-by-step manner. In addition to the problems and solutions, this book offers fifteen Supplements that give further insight into topical subjects related to particle accelerators, signal and data acquisition systems and computational methods to treat them.