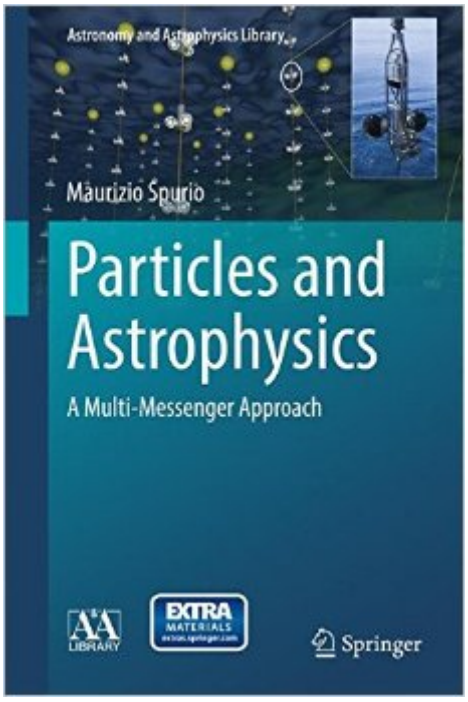
Particles And Astrophysics: A Multi-Messenger Approach (Astronomy And Astrophysics Library)



Synopsis

This book is an introduction to â œmulti-messengerâ • astrophysics. It covers the many different aspects connecting particle physics with astrophysics and cosmology and introduces astrophysics using numerous experimental findings recently obtained through the study of high-energy particles. Taking a systematic approach, it comprehensively presents experimental aspects from the most advanced laboratories and detectors, as well as the theoretical background. The book is aimed at graduate students and post-graduate researchers with a basic understanding of particle and nuclear physics. It will also be of interest to particle physicists working in accelerator/collider physics who are keen to understand the mechanisms of the largest accelerators in the Universe.The book draws on the extensive lecturing experience of Professor Maurizio Spurio from the University of Bologna.

Book Information

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Customer Reviews

I've been using this book to study for my comprehensive exams in astrophysics. It's pretty good, the derivations are clear and its thorough without giving a lot of extraneous information (basic knowledge of physics is definitely required). I only have one gripe, which may not be the authors fault: only about half of the graphs and pictures are in color. However, many of the graphs in black and white have labels such as "the red line shows [insert phenomena here] and the blue line shows [insert other phenomena]". Of course, printing both lines in grayscale makes the plots very hard to interpret.

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