



The Ideas of Particle Physics: An Introduction for Scientists

By G. D. Coughlan, J. E. Dodd

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This is the second edition of a book that has already been well received as a clear and readable introduction to particle physics. It bridges the gap between traditional textbooks on the subject and the popular accounts which assume little or no background in the physical sciences on the part of the reader. The first edition has been carefully revised throughout to provide an up-to-date and comprehensive overview of this fascinating subject. There are also four completely new chapters covering quantum gravity, super-unification, the relationship between particle physics and cosmology, and superstrings. Historical developments are discussed, together with the most important recent experiments, and the theoretical development of the subject is traced from its foundations in relativity and quantum mechanics through to the very latest theories. The book is intended for anyone with a background in the physical sciences who wishes to learn about particle physics. It will also be of value to students of physics wishing to gain an introductory overview of the subject before getting down to the details of the formalism.

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Editorial Review

Review

Three completely new chapters covering quantum gravity, super-unification, and the relationship between particle physics and cosmology are included in this thoroughly revised introduction to the development of particle physics. -- *Book Description*

About the Author

James L. Dodd, CPA, Associate Professor of Accounting, holds a B.S. in accounting from California State University-Fresno, M.B.A. from the University of South Alabama, and Ph.D. from The University of Georgia. He is a former Fulbright Scholar, participating in a Norway-USA cultural exchange 1999-2000. Dr. Dodd has experience in shipbuilding, aircraft engine, and engine filtration industries. He is a member of the American Accounting Association, the American Institute of CPAs, and the Institute of Management Accountants.

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