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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Elementary Particle Physics; Foreword; Contents; Preface; Acknowledgements; Part One A Field Theoretical Approach; Part Two A Way to the Standard Model; Appendix A Spinor Representation; Appendix B Coulomb Gauge; Appendix C Dirac Matrix and Gamma Matrix Traces; Appendix D Dimensional Regularization; Appendix E Rotation Matrix; Appendix F C, P, T Transformation; Appendix G SU(3), SU(n) and the Quark Model; Appendix H Mass Matrix and Decaying States; Appendix I Answers to the Problems; Appendix J Particle Data; Appendix K Constants; References; Index
Sommario/riassunto	Meeting the need for a coherently written and comprehensive compendium combining field theory and particle physics for advanced students and researchers, this book directly links the theory to the experiments. It is clearly divided into two sections covering approaches to field theory and the standard model, and rounded off with numerous useful appendices. A timely volume for high energy and theoretical physicists, as well as astronomers, graduate students and lecturers in physics. Volume 2 concentrates on the main aspects of the Standard

Model by addressing its recent developments and f
