1. Record Nr. UNISA996394462003316

Autore	Gaya Louis de
Titolo	Marriage ceremonies, or, The ceremonies used in marriages in all parts of the world [[electronic resource] /] / by Signior Gaya ; translated from the Italian
Pubbl/distr/stampa	London, : Printed for Abel Roper ..., 1697
Descrizione fisica	[8], 112, [12] p
Soggetti	Marriage customs and rites
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"First published in Paris, 1680, under title: CeÌreÌmonies nuptiales de toutes les nations. The Italian translation was published in 1685"--NUC pre-1956 imprints. Marginal notes. Advertisement: p. [10]-[12] at end. Includes index. Reproduction of original in the Huntington Library.
Sommario/riassunto	eebo-0113

2. Record Nr. UNINA9910502682903321

Autore	Aitchison Ian Johnston Rhind <1936->
Titolo	Gauge theories in particle physics : a practical introduction . Volume 1 From relativistic quantum mechanics to QED / / by Ian J R Aitchison and Anthony J.G. Hey
Pubbl/distr/stampa	Taylor & Francis, 2013 Boca Raton, FL : , : CRC Press, an imprint of Taylor and Francis, , 2012
ISBN	1-000-56388-X 0-429-18538-3 1-4665-1302-0
Edizione	[Fourth edition.]
Descrizione fisica	1 online resource (444 pages)
Disciplina	530.1435
Soggetti	Gauge fields (Physics) Particles (Nuclear physics) Weak interactions (Nuclear physics)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Front Cover; Dedication; Contents; Preface; I. Introductory Survey, Electromagnetism as a Gauge Theory, and Relativistic Quantum Mechanics; 1. The Particles and Forces of the Standard Model; 2. Electromagnetism as a Gauge Theory; 3. Relativistic Quantum Mechanics; 4. Lorentz Transformations and Discrete Symmetries; II. Introduction to Quantum Field Theory; 5. Quantum Field Theory I: The Free Scalar Field; 6. Quantum Field Theory II: Interacting Scalar Fields; 7. Quantum Field Theory III: Complex Scalar Fields, Dirac and Maxwell Fields; Introduction of Electromagnetic Interactions III. Tree-Level Applications in QED8. Elementary Processes in Scalar and Spinor Electrodynamics; 9. Deep Inelastic Electron-Nucleon Scattering and the Parton Model; IV. Loops and Renormalization; 10. Loops and Renormalization I: The ABC Theory; 11. Loops and Renormalization II: QED; A. Non-relativistic Quantum Mechanics; B. Natural Units; C. Maxwell's Equations: Choice of Units; D. Special Relativity: Invariance and Covariance; E. Dirac -Function; F. Contour Integration; G. Green Functions; H. Elements of Non-relativistic Scattering Theory; I. The

Schrodinger and Heisenberg Pictures

J. Dirac Algebra and Trace IdentitiesK. Example of a Cross Section Calculation; L. Feynman Rules for Tree Graphs in QED; References

Sommario/riassunto

Volume 1 of this revised and updated edition provides an accessible and practical introduction to the first gauge theory included in the Standard Model of particle physics: quantum electrodynamics (QED) The book includes self-contained presentations of electromagnetism as a gauge theory as well as relativistic quantum mechanics. It provides a unique elementary introduction to quantum field theory, establishing the essentials of the formal and conceptual framework upon which the subsequent development of the three gauge theories is based. The text also describes tree-level calculations of physical processes in QED and introduces ideas of renormalization in the context of one-loop radiative corrections for QED.