

1. Record Nr.	UNINA9910249159403321
Autore	Minerbi, Marco
Titolo	La cultura politica nell'età dei lumi : da Rousseau a Sismondi / Marco Minerbi ; a cura di Rolando Minuti ; prefazione di Daniel Roche
Pubbl/distr/stampa	Roma : Edizioni di storia e letteratura, 2009
ISBN	978-88-6372-053-2
Descrizione fisica	XVIII, 357 p. ; 24 cm
Collana	Biblioteca del XVIII secolo ; 07 Settecento italiano
Disciplina	320.011 190 320.01
Locazione	FLFBC
Collocazione	P.1 P 644 320.01 MIN 1
Lingua di pubblicazione	Italiano Francese
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr.	UNINA9910574068503321
Autore	Zoia Simone
Titolo	Modern Analytic Methods for Computing Scattering Amplitudes : With Application to Two-Loop Five-Particle Processes // by Simone Zoia
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2022
ISBN	9783031019456 9783031019449
Edizione	[1st ed. 2022.]
Descrizione fisica	1 online resource (221 pages)
Collana	Springer Theses, Recognizing Outstanding Ph.D. Research, , 2190-5061
Disciplina	539.758 539.72
Soggetti	Particles (Nuclear physics) Quantum field theory Mathematical physics Elementary Particles, Quantum Field Theory Mathematical Methods in Physics Particle Physics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Introduction -- Scattering Amplitudes -- The Art of Integrating by Differentiating -- Two-Loop Five-Particle Scattering Amplitudes.
Sommario/riassunto	This work presents some essential techniques that constitute the modern strategy for computing scattering amplitudes. It begins with an introductory chapter to fill the gap between a standard QFT course and the latest developments in the field. The author then tackles the main bottleneck: the computation of the loop Feynman integrals. The most efficient technique for their computation is the method of the differential equations. This is discussed in detail, with a particular focus on the mathematical aspects involved in the derivation of the differential equations and their solution. Ample space is devoted to the special functions arising from the differential equations, to their analytic properties, and to the mathematical techniques which allow us to handle them systematically. The thesis also addresses the

application of these techniques to a cutting-edge problem of importance for the physics programme of the Large Hadron Collider: five-particle amplitudes at two-loop order. It presents the first analytic results for complete two-loop five-particle amplitudes, in supersymmetric theories and QCD. The techniques discussed here open the door to precision phenomenology for processes of phenomenological interest, such as three-photon, three-jet, and di-photon + jet production. sses of phenomenological interest, such as three-photon, three-jet, and di-photon + jet production.
