

1. Record Nr.	UNINA9910257439903321
Autore	Dittrich Walter
Titolo	Selected Topics in Gauge Theories [[electronic resource] /] / by Walter Dittrich, Martin Reuter
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 1986
ISBN	3-540-39746-9
Edizione	[1st ed. 1986.]
Descrizione fisica	1 online resource (V, 319 p. 1 illus.)
Collana	Lecture Notes in Physics, , 0075-8450 ; ; 244
Disciplina	539.72
Soggetti	Elementary particles (Physics) Quantum field theory Mathematical physics Elementary Particles, Quantum Field Theory Theoretical, Mathematical and Computational Physics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	Classical Yang-mills theory -- Path integral quantization of gauge theories -- Background field methods -- Instantons and θ -Vacua -- Schwinger model (QED) ² -- Chiral anomaly in (QCD) ² -- Fujikawa's path integral method -- Chiral anomaly in the Schwinger-Symanzik formalism -- Anomalous ward identities à la Wess-Zumino -- Topological aspects of the Wess-Zumino effective action -- Topological baryon number and the Skyrme model -- The Atiyah-Singer index theorem (for the Euclidean Dirac operator) -- Chiral anomalies and differential geometry -- Effective gauge theory actions in (2n + 1) dimensions -- Chiral anomaly with gravitational background field -- Vacuum charge in 2n + 1 dimensions.