

1. Record Nr.	UNINA9910913772803321
Autore	Bambi Cosimo
Titolo	Handbook of Quantum Gravity // edited by Cosimo Bambi, Leonardo Modesto, Ilya Shapiro
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2024
ISBN	9789819976812 9819976812
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (4315 pages)
Altri autori (Persone)	ModestoLeonardo Shapirollya
Disciplina	530.143
Soggetti	Gravitation Particles (Nuclear physics) Quantum field theory Mathematical physics Classical and Quantum Gravity Elementary Particles, Quantum Field Theory Mathematical Physics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	The background information about perturbative quantum gravity -- On the covariant renormalization in the models of quantum gravity -- The functional renormalization group in quantum gravity -- The vertex expansion -- Nonlocal Gauge Theories including Quantum Gravity -- Nonlocal Quantum Gravity.
Sommario/riassunto	The search for a theory of quantum gravity is one of the most important and fascinating problems in modern theoretical physics. While we do not have yet a complete theory of quantum gravity, significant advancements have been done in the past decades. In this handbook, every section is dedicated to a specific approach towards a theory of quantum gravity and is edited by the leading experts in the field. This book represents both a valuable resource for graduate students and an important reference for researchers in quantum gravity.

