

1. Record Nr.	UNINA9910451091303321
Autore	Fabbri Alessandro
Titolo	Modeling black hole evaporation [[electronic resource] /] / Alessandro Fabbri, Jose Navarro-Salas
Pubbl/distr/stampa	London, : Imperial College Press Singapore ; ; Hackensack, NJ, : World Scientific Pub., c2005
ISBN	1-281-86683-0 9786611866839 1-86094-722-0
Descrizione fisica	1 online resource (350 p.)
Altri autori (Persone)	Navarro-SalasJose
Disciplina	523.8875
Soggetti	Black holes (Astronomy) - Mathematical models Physics Electronic books.
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 (p. 319-330) and index.
Nota di contenuto	Preface; Contents; Chapter 1 Introduction; Chapter 2 Classical Black Holes; Chapter 3 The Hawking Effect; Chapter 4 Near-Horizon Approximation and Conformal Symmetry; Chapter 5 Stress Tensor, Anomalies and Effective Actions; Chapter 6 Models for Evaporating Black Holes; Bibliography; Index
Sommario/riassunto	The scope of this book is two-fold: the first part gives a fully detailed and pedagogical presentation of the Hawking effect and its physical implications, and the second discusses the backreaction problem, especially in connection with exactly solvable semiclassical models that describe analytically the black hole evaporation process. The book aims to establish a link between the general relativistic viewpoint on black hole evaporation and the new CFT-type approaches to the subject. The detailed discussion on backreaction effects is also extremely valuable.