

1. Record Nr.	UNINA9910143300803321
Autore	Hesselson Aaron B
Titolo	Simplified interpretation of ICD electrograms [[electronic resource] /] / Aaron B. Hesselson
Pubbl/distr/stampa	Malden, Mass. ; ; Oxford, : Blackwell Futura, 2005
ISBN	1-280-74830-3 9786610748303 0-470-76173-3 0-470-75078-2 1-4051-7329-7
Descrizione fisica	1 online resource (274 p.)
Altri autori (Persone)	HesselsonAaron B
Disciplina	616.107547 617.4/120645 617.4120645
Soggetti	Implantable cardioverter-defibrillators Arrhythmia Electrocardiography Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Simplified Interpretation of ICD Electrograms; Contents; Preface; Foreword; Acknowledgements; SECTION I ICD BASICS; Chapter 1: What is an ICD?; Chapter 2: ICD System and Cardiac Anatomy; Chapter 3: The Hardware; The ICD Generator; Ventricular ICD Leads; The ICD Programmer; Chapter 4: ICD Electronics; Defibrillator Circuit; Defibrillation Waveforms; Defibrillation Shock Polarity and Configuration; Defibrillation Threshold; Chapter 5: Sensing; Chapter 6: Detection; Chapter 7: The Tachycardias; Chapter 8: The Therapies; Chapter 9: ICD Pacing; The New Implant; The Upgrade from Prior Pacemaker The Implant for Congestive Heart FailureChapter 10: Unusual ICD Situations and Alternate Applications; SECTION II CASE STUDIES; Chapter 11: Case Studies Part A; Chapter 12: Case Studies Part B; SECTION III ANSWERS; Answers: 249; Index

**Sommario/riassunto** Written as a companion text to Dr Hesselson's first book about pacing, Simplified Interpretation of ICD Electrograms focuses on teaching an understanding of the electrogram (EGM) signal for troubleshooting ICD rhythms. The book includes an in depth review of the general function of an ICD (defibrillation electronics, arrhythmia detection/therapy), as well as an extended summary of the commonly encountered arrhythmia in an EGM and ECG format. Throughout the book, Dr Hesselson emphasizes that the key for troubleshooting these devices lies in the ability to make the transition from surface ECG

2. **Record Nr.** UNINA9910967620603321

**Titolo** Current high-energy emission around black holes : proceedings of the 2nd KIAS Astrophysics Workshop : Korea Institute for Advanced Study, September 3-8, 2001 // editors, Chang-Hwan Lee, Heon-Young Chang

**Pubbl/distr/stampa** New Jersey, : World Scientific, c2002

**ISBN** 9789812777959  
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**Edizione** [1st ed.]

**Descrizione fisica** 1 online resource (356 p.)

**Altri autori (Persone)** LeeChang-Hwan  
ChangHon-yong

**Disciplina** 523.8/875

**Soggetti** Black holes (Astronomy)  
Astrophysics  
Accretion (Astrophysics)  
Jets (Nuclear physics)

**Lingua di pubblicazione** Inglese

**Formato** Materiale a stampa

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**Note generali** Description based upon print version of record.

**Nota di bibliografia** Includes bibliographical references.

**Nota di contenuto** Contents ; Preface ; Part 1: Black Hole Observations ; Black Hole Demographics ; Kiloparsec Jets from Massive Black Holes in Radio-Loud AGN ; ASCA and RXTE Observations of the Accretion Disk in X-ray Binaries Searching for Evidence of Tidal Disruption Event in Long-Term X-ray

Light Curve of Seyfert Galaxy MCG-2-58-22  
Existence of X-ray Jets on Kiloparsec Scales in Radio-Loud AGNs  
; Part 2: Accretion Disk/Formation of Jets  
Magnetic Stresses in the Inner Regions of Accretion Disks around Black  
Holes Rayleigh  
Scattered Ly $\alpha$  in Active Galactic Nuclei  
; Black Hole Accretion in Transient X-ray Binaries  
; X-ray Variability of Galactic Black Holes and Simulated  
Magnetohydrodynamical Flow  
On Energetics and Structure of Sub-Parsec Scale Jets in Quasars  
Large Scale Jets and the Nuclear Engine ;  
Magnetic Field Generation in Accretion Disks  
; Radiation Driven Wind from Hot Accretion Flow  
; Modes of Accretion in X-ray Sources  
Part 3: Energy Extraction from Rotating Black Holes  
Current High Energy Emission from Black Holes  
; Pair Production Cascade in Black-Hole Magnetosphere  
; The Transfield Equation of the Axisymmetric Nonstationary  
Magnetosphere of a Black Hole  
Gamma-ray Bursts and Gravitational Radiation from Black Hole-Torus  
Systems

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Sommario/riassunto

Black holes exist in galactic nuclei and in some X-ray binaries found in our own galaxy and the large Magellanic Cloud. This volume focuses on astrophysical high-energy emission processes around black holes, and the development of theoretical frameworks for interesting observational results.   
*Contents:*

- Black Hole Observations
- Accretion Disk/Formation of Jets
- Energy Extraction from Rotating Black Holes
- Supernova and Gamma Ray Bursts
- Black Hole Astrophysics

  
*Readership:* Graduate students, post-docs and academics in astrophysics

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