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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

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 astrophysic
