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Altri autori (Persone)	LeeChang-Hwan ChangHon-yong
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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
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