

1. Record Nr.	UNINA9910257432503321
Titolo	Central Activity in Galaxies [[electronic resource] ] : From Observational Data to Astrophysical Diagnostics // edited by Aage Sandqvist, Thomas P. Ray
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 1993
ISBN	3-540-47542-7
Edizione	[1st ed. 1993.]
Descrizione fisica	1 online resource (XIII, 240 p. 27 illus.)
Collana	Lecture Notes in Physics, , 0075-8450 ; ; 413
Disciplina	523.1/12/028
Soggetti	Observations, Astronomical Astronomy—Observations Astrophysics Geophysics Elementary particles (Physics) Quantum field theory Atoms Physics Astronomy, Observations and Techniques Astrophysics and Astroparticles Geophysics/Geodesy Elementary Particles, Quantum Field Theory Atomic, Molecular, Optical and Plasma Physics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	The galactic centre -- Activity in galactic nuclei -- Observations and their implications for the inner parsec of AGN -- Infrared activity of galaxies -- Radio galaxies and jets -- Methods in astronomical image processing with special applications to the reduction of CCD data -- Multivariate methods for data analysis -- Multivariate methods for data analysis -- Multivariate methods for data analysis.
Sommario/riassunto	This outstanding collection of surveys addresses graduate and predoctoral students. It reports on theoretical research and

observational data on active galactic nuclei: The enigma of the nuclei of galaxies with their central "monster" driving the vast range of activity observed in quasars, radio galaxies, Seyferts, starburst galaxies and even our own Galaxy are explored in this volume. Topics covered include: the impact of recent measurements in the infrared and radio region on our knowledge of the nucleus of our Galaxy; the spectra and classification of active galactic nuclei, the properties of their host galaxies, their cosmological distribution and evolution, the role of stars and the hydrodynamics of the interstellar medium in the nuclei; the description of the inner parsec of a standard active galactic nucleus based on direct interpretation of the observations; the infrared activity of galaxies; the physics of radio galaxies and their jets, emphasizing the physics of gas flow and high-energy particle interactions as well as shock acceleration. These are all discussed in considerable depth and presented in self-contained chapters with exhaustive reference lists of the scientific literature.

---