Record Nr. UNINA9910257382303321 Accretion Disks — New Aspects [[electronic resource]]: Proceedings of **Titolo** the EARA Workshop Held in Garching, Germany, 21-23 October 1996 / / edited by Emmi Meyer-Hofmeister, Henk Spruit Berlin, Heidelberg:,: Springer Berlin Heidelberg:,: Imprint: Springer, Pubbl/distr/stampa **ISBN** 3-540-68715-7 Edizione [1st ed. 1997.] 1 online resource (XIII, 358 p.) Descrizione fisica Lecture Notes in Physics, , 0075-8450 ; ; 487 Collana 523.8 Disciplina Soggetti Observations, Astronomical Astronomy—Observations **Astrophysics** Astronomy, Observations and Techniques Astrophysics and Astroparticles Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Bibliographic Level Mode of Issuance: Monograph Nota di contenuto X-ray spectrum of low-mass X-ray binaries -- Black holes in X-ray

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Sommario/riassunto

The most luminous compact objects are powered by accretion of mass. Accretion disks are the one common and fundamental element of these sources on widely different scales, ranging from close stellar binaries, galactic black holes and X-ray pulsars to active galactic nuclei (AGN). Key new developments in theory and observations, reviewed by experts in the field, are presented in this book. The contributions to the workshop cover the puzzles presented by the X-UV spectra of AGN and their variability, the recent numerical simulations of magnetic fields in disks, the remarkable behavior of the superluminal source 1915+105 and the "bursting pulsar" 1744-28, to mention a few of the topics.