DESCRIPTION

This AGN textbook includes phenomena based on new results in the X-Ray domain from new telescopes such as Chandra and XMM
Newton not mentioned in any other book. Furthermore, it considers also the Fermi Gamma Ray Space Telescope with its revolutionary
advances of unprecedented sensitivity, field of view and all-sky monitoring. Those and other new developments as well as simulations
of AGN merging events and formations, enabled through latest super-computing capabilities.

The book gives an overview on the current knowledge of the Active Galactic Nuclei phenomenon. The spectral energy distribution will
be discussed, pointing out what can be observed in different wavebands and with different physical models. Furthermore, the authors
discuss the AGN with respect to its environment, host galaxy, feedback in galaxy clusters, etc. and finally the cosmological evolution of
the AGN phenomenon.

ABOUT THE AUTHOR

Volker Beckmann received his Ph.D. from the University of Hamburg, Germany, for studies of different classes of Active Galactic
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