

ASTROPHYSICS SEMINAR

Wednesday, 22 January 2014 at 11:00

X-ray spectroscopy: a ruler for AGN

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Abstract. The formidable energy output of Active Galactic Nuclei is produced on energy scales much smaller than the resolution power of any available telescope (radio jet emission notwithstanding). I will review in this talk how X-ray spectroscopy can overcome these shortcomings, allowing us to put constraints on the spatial scales of the main AGN ingredients (X-ray corona, accretion disk, ionised outflows, nuclear ambient gas). These constraints set the AGN structure model on a quantitative basis, and address two basic questions in AGN astrophysics: a) how does AGN feed-back on the host galaxy work? b) which are the true astrophysical foundations of the phenomenological variety of AGN types, classes and flavours?

Additional Information

The seminars are given in the ISDC "Pavillon" building
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