

## 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?

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### Additional Information

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The seminars are given in the ISDC "Pavillon" building  
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