

The restless nature of AGNs: variability as a probe of the central engine

Naples, Italy, 20-23 May 2013



Scientific rationale

Variability provides important clues on the nature of the emission and the geometry of the central source in Active Galactic Nuclei. This conference intends to discuss our current understanding of the central source variability across the IR, optical, and UV regimes up to hard X-rays, and the clues that variability provides about the physics and structure of the AGN phenomena. The contributions are intended to address the problem of AGN variability both from the observational and theoretical point of view, on short and long time scales, presenting results and expectations from wide-field/deep surveys, pointed observations, ground-based and space observatories.

Topics

- **X-ray flux and spectral variability**
- **Outflows and SED variability**
- **The UV-X ray connection**
- **Variability on the optical band: reverberation, the continuum and the full sky surveys**
- **AGN variability analysis methods**
- **Variability in MHD simulations of accretion flows**

Review and invited speakers: O.Blaes, W.Brandt, M.Cappi, G.Djorgovski, C.Donalek, R.Edelson, S.Gezari, M.Goad, S.Kaspi, B.Kelly, S.Mathur, I.McHardy, H.Noda, M.Paolillo, G.Risaliti, B.Peterson, G.Ponti, P.Uttley, F.Vagnetti

Scientific Organizing Committee: W. Brandt, A. Comastri, G. Djorgovski, C. Done, N. Gehrels, K. Makishima, G. Matt, I. McHardy, M. Paolillo, I. Papadakis, B. Peterson

Website and additional information at: <http://astrofisica.na.infn.it/restlessAGN/>

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