

**Proponente:** Maurizio Paolillo (paolillo@na.infn.it)

**Titolo:** "*X-ray / UV variability of Active Galactic Nuclei in the Chandra Deep Field South*"

**Descrizione:** This project is focused on studying the simultaneous UV and X-ray variability of AGNs using the Optical Monitor and EPIC data from the XMM X-ray satellite. Mainly experimental work: the student will learn to work on catalogs produced by the XMM pipelines and compare the results with the literature and models of disk accretion onto supermassive Black Holes. Some informations about the CDFS and AGN variability can be found at <http://people.na.infn.it/~paolillo/CDFS.html>.