

**Far-infrared energy distributions of active galaxies in the local universe and beyond:
From ISO to FIRST**

Luigi Spinoglio, IFSI-CNR, Via Fosso del Cavaliere 100, 00133 Roma, Italy,
luigi@ifsi.rm.cnr.it

Paola Andreani, Osservatorio Astronomico di Pavova, Italy,
and MPE, Garching, Germany

Matthew A. Malkan, Physics and Astronomy Department,
University of California, Los Angeles, California, US

The results of the ISO photometric surveys of both the 12 micron active galaxy sample (in the local universe) and of an optically selected quasar sample with an average redshift of $z = 1.4$ are reviewed.

We will discuss what the FIRST camera arrays will be able to achieve and how will contribute in understanding the nature of activity in galaxies. These will be especially due to the improved sensitivity and spatial resolution over ISO and the spectral coverage extending to longer wavelengths.

The selection of unbiased samples of active galaxies will allow us to trace back their evolution and the relation between activity and star-formation in the Universe.

The spectroscopical follow-up with PACS will provide a unique tool to unveil the properties of the environment of the central source and the dominant emission mechanism.