



FELLOWSHIP IN AGN EVOLUTION

IASF Milano is awarding a research post-doc fellowship in "AGN evolution". The post-doc will make use of X-ray selected samples from the SWIRE/XMM-LSS and the SWIRE/Chandra surveys. The samples benefit from multi-wavelength broad-band photometric data at optical and infrared wavelengths from the CFHTLS and the SWIRE surveys. X-ray data from XMM-Newton and the Chandra X-ray Observatory, ultraviolet data from GALEX, ground-based near-infrared data, and radio data are also available. In addition spectroscopic or photometric redshifts are available for the vast majority of sources.

The fellow will join the Observational Cosmology Group at IASF Milano, and will work in collaboration with the High Energy Group at Brera Observatory. The Team is composed of 5 staff members, including the project coordinator M. Polletta, 1 post-doc and 2 students. Their activity is carried out in collaboration with several scientific Institutes in Europe and the United States.

The fellow will be able to contribute and choose among various activities: 1) support the database management and maintenance, 2) analyze X-ray data, and 3) apply the stacking analysis technique to far-infrared MIPS images. He/She will be involved in all scientific activities of the group and will lead one or more science projects of choice. The applicant would be also encouraged to pursue his/her own research activities.

The post-doc position will be awarded to holders of a Ph.D. in Physics or Astronomy or Astrophysics by the beginning of the appointment. Special consideration will be given to applicants with experience in one or more of the following topics:

- AGN studies
- Spectral Energy Distribution fitting and modeling
- Experience in maintaining astronomical databases, and/or knowledge of the mysql database management, and eventually programming with Java JDBC
- Clustering analysis
- X-ray (XMM-Newton) data reduction and handling
- Stacking of Spitzer/MIPS data

The appointment is for 18 months and can be renewed subject to the availability of funds. An indicative starting date is beginning of 2009. The net monthly salary is ~1480.00 Euros. A social security scheme is applied.

The deadline for applications is November 30, 2008. Applications should be sent by registered mail to:

The Director
IASF Milano
via E. Bassini 15
20133 Milano
Italy.

The envelope should be marked "AGN Evolution". Applicants must indicate where and when they obtained or will obtain their Ph.D. and include a curriculum vitae, a statement of research activity and

research interests, and the list of publications. Applicants should indicate names and contact information of two professional referees to supply letters of recommendation, and a telephone number where the applicant can be reached by the committee for an interview.

APPLICATION TEMPLATE

Al Direttore
INAF - IASF Milano
Via Bassini 15
20133 MILANO

Application for the **AGN Evolution Fellowship**, c/o INAF - IASF Milano

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Name Family Name

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Date and place of birth

.....
Permanent address

.....
citizenship

.....
PhD degree: name and date of issue

.....
Current position

I include the following documents

- curriculum vitae et studiorum
- description of scientific activity and research interests
- publication list

Names and contacts of 2 referees for letters of reference

- 1)
- 2)

.....
Contact address for future communications (including telephone, fax and e-mail)

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Place and date

.....
Signature