

INAF-ARCETRI ASTROPHYSICAL OBSERVATORY

Largo Enrico Fermi, 5
50125 Florence (Italy)

International Post-Doctoral Fellowships

contact info: Pasquale BLASI

INAF/Osservatorio Astrofisico di Arcetri

Largo E. Fermi 5

50125 Firenze Italy

phone: +39 055 2752 297

fax: +39 055 220039

e-mail: blasi@arcetri.astro.it

The **Theoretical Astrophysics Group** at the Arcetri Astrophysical Observatory (Florence) intends to award **two** post-doctoral fellowships in order to foster international collaboration. Applicants must have a Ph.D. or equivalent degree in Physics or Astronomy.

The selected candidates are expected to carry out their research activity in the context of the Theoretical High Energy Astrophysics Group, whose staff members are Elena Amato, Rino Bandiera, Pasquale Blasi and Franco Pacini. The group has strong national and international collaborations with several groups.

The selected candidates are expected to have experience and to work actively in (at least) one of the following areas:

- 1. Acceleration of Cosmic Rays**
- 2. Origin and Acceleration of Ultra-High Energy Cosmic Rays**
- 3. Physics of compact objects and their surroundings (neutrons stars, black holes, supernova remnants)**
- 4. Non-thermal activity during the formation of the Large Scale Structure of the Universe**
- 5. Non-baryonic Dark Matter and related high energy phenomenology**

Applicants with a strong previous experience at international level in the relevant areas will be given special attention. All candidates will be considered but priority will be given to candidates in the early stages of their career.

The fellowships will be granted for one year, renewable to a second and third year subject to funds availability and evaluation of performance.

The applicants should send (either electronically or via surface mail) a recent CV, a statement of research interests and a list of publications. They should also arrange for (at least) two letters of recommendation to be sent directly to the above address.

The applications should be received by July 31, 2005. The starting date will be as early as possible in 2005.

