International Relativistic Astrophysics Ph.D. Program

IRAP PhD

The coordinated effort of many international organizations, such as the National Aeronautics and Space Administration (NASA), the European Center for Nuclear Research (CERN), the European Space Agency (ESA), the European Southern Observatory (ESO), has led to an unprecedented amount of scientific information from the microphysical world all the way to the entire Universe. To harvest the results of these scientific missions, a specific Ph. D. program has been envisaged in order to involve the students in the analysis and modeling of the above observational data within the theory of general relativity and relativistic quantum and classical field theories.

The students will also be involved in innovative experimental programs in relativistic astrophysics. The program provides expertise in the most advanced topics of experimental, mathematical and theoretical physics relevant to the context of astrophysics, astrobiology and cosmology. These activities, being necessarily international, the scientific and academic institutions, indicated below, participate with their own specific scientific specialties and a joint degree is delivered, at the end of the program.

The program also benefits from the International Centre for Theoretical Physics (ICTP), and The World Academy of Sciences (TWAS) being Members of ICRA, who, together with ICRA.net, coordinates the program.

A deadline of 30th September 2017 has been established for eight positions open internationally and directly sponsored by the participating institutions.

For the application and more information see http://www.icranet.org/irap-phd

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EXTRA-ENERGY PHENOMENA IN ACTIVE GALACTIC NUCLEI (a specialized IRANet workshop)

Lorenzo AMATA (Italy and ICRA.net)
Carlo Luciano BIANCHI (SAPIENZA-Rome and ICRA.net)
Michele BOER (NRL, France)
Luca GIORGI (Department of Astrophysics, Padova)

IRAP NET: BLACK HOLE PHYSICS, SUPERNOVAE AND GAMMA RAY BURSTS (a specialized ICRANet workshop)

Marco MERA FINA (Sapienza-Rome)
Miguel MORENO (University of Siena)

MAGNETIC WAVES: THEORY AND DETECTION (a specialized ICRANet workshop)

Rosario RUFFINI (SAPIENZA-Rome and ICRA.net)
Pavel RUCZYNSKI (University of Warsaw)

EXTRA-ENERGY PHENOMENA IN ACTIVE GALACTIC NUCLEI (a specialized IRANet workshop)

Ursula RUEDEL (Albert-Ludwigs-Universitaet Freiburg, Germany)

SICILIANO, BLACK HOLES, PULSAR PHYSICS AND OBSERVATIONS (a specialized ICRANet workshop)

Remo RUFFINI (SAPIENZA-Rome and ICRA.net)

UTS-ALONG GAMMA RAY BURSTS

Loic Sauvage (Institut d’Astrophysique de Paris)

ICRA10: GENERAL RELATIVITY AND THE COMPACT OBJECTS THEORIES

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M ARIA V ALEN TA (Institut d’Astrophysique de Paris)

SICILIANO, PULSAR PHYSICS AND OBSERVATIONS (a specialized ICRANet workshop)

Remo RUFFINI (SAPIENZA-Rome and ICRA.net)

LARGEScale STRUCTURE and DYNAMICS

Ciro ARENAS (INAF-Milano)

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(University of Rome)

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