



INDIAN INSTITUTE OF ASTROPHYSICS

BANGALORE - 560034, INDIA

ACADEMIC PROGRAMMES - 2009

Applications are invited from bright and motivated candidates with outstanding academic credentials for admission to the following programmes in Astronomy and Astrophysics:

1. **Ph. D Programme**
2. **Integrated Ph. D Programme in *Physics and Astrophysics*** in collaboration with Indira Gandhi National Open University
3. **Integrated M. Tech. - Ph. D (Tech.) Programme in *Astronomical Instrumentation*** in collaboration with University of Calcutta

Research fields

Sun and the solar system: Solar activity, planets, comets, solar terrestrial physics

Stellar physics: Formation and evolution of stars, brown dwarfs, star clusters, planetary nebulae, stellar atmospheres, stellar variability, novae, supernovae

Extragalactic astronomy: Star formation in galaxies, activity in galaxies, groups and clusters of galaxies, gamma-ray burst events

Theoretical astrophysics and related physics: Magneto-hydrodynamics and radiative processes in astrophysical objects, pulsars, black hole physics, structure and dynamics of galaxies, relativity, cosmology, atomic and molecular physics

Instrumentation: Back-end instruments for the various observing facilities, space astronomy payloads

Facilities

Kodaikanal Observatory, Kodaikanal

Vainu Bappu Observatory, Kavalur

Gauribidanur Radio Observatory, Gauribidanur

Indian Astronomical Observatory, Hanle

Center for Research and Education in Science & Technology, Hosakote

Library and computing facilities

The Institute plans to set up a 2 m class solar telescope at a high altitude site and develop a space coronagraph

For further details and online application form, visit IIA website: <http://www.iap.res.in>. Online applications should be submitted on or before **November 20, 2008**. The entrance test will be held on Saturday, the **December 13, 2008** at centres in **Bangalore, Bhopal, Bhubaneshwar, Chandigarh, Chennai, Cochin, Guwahati, Hyderabad, Jaipur, Kodaikanal, Kolkata, Mumbai, New Delhi and Varanasi**.

Selected candidates will be offered fellowship / stipend as per the norms of the Institute along with an annual book grant, accommodation and medical facilities.

