TECHNISCHE UNIVERSITÄT MÜNCHEN

PhD in Astrophysics

MPE

IMPRS

Two PhD positions investigating X-ray transients and Gamma-Ray Bursts

As part of an international project entitled "Exploring the X-ray Transient Sky", funded through the 7th framework programme of the EU, the High-Energy group of the Max-Planck-Institute for Extraterrestrial Physics offers a 3-yr PhD position which shall concentrate on methods of the multi-wavelength characterisation of variable X-ray sources, establishing a classification engine for X-ray transients at different time-scales. This shall be applied to data of the eROSITA telescope, to be launched in 2015.

Gamma-Ray Bursts are the aftermath of the catastrophic death of a star, and signify the formation of a black hole. As part of the Swift and Fermi/GBM satellite teams, and with our PI-instrument GROND in Chile, the High-Energy group of the Max-Planck-Institute for Extraterrestrial Physics offers a 3-yr PhD position which will be geared towards various tests of the fireball scenario describing the afterglow emission. This will allow to derive the emission properties of GRB jets, but also determine the GRB environmental properties.

TO APPLY

Applicants must have an equivalent of a master's degree in astronomy or physics at the start of the studentship, and a basic knowledge of programming is essential. Interested candidates should send their CV, one recommendation letter, and a summary of previous research activities.

Deadline: 30. October 2013 Starting date: January 2014

For further information, please contact: J. Greiner, jcg@mpe.mpg.de