

The High Energy and Plasma Astrophysics group of the Department of Astronomy of Instituto de Astronomia, Geofísica e Ciências Atmosféricas of the University of Sao Paulo (IAG-USP) invites applications for PhD fellowships in theoretical, computational and/or observational high energy astrophysics.

Selected applicants will be granted 4-year PhD fellowships (“doutorado-direto”) of the Sao Paulo State funding agency FAPESP (<http://www.fapesp.br/en/>).

The Astronomy Department of IAG-USP offers a vibrant and productive international environment with 32 professors, 30 postdoctoral fellows, and 60 graduate students performing research in all fields of Astrophysics and Cosmology.

Applicants should submit by email and in pdf format a CV, Bachelor Diploma (or Proof of Completion/Certificate stamped by the University Authority), and Student Score Records. In addition, applicants should arrange for two letters of recommendation to be sent directly by email.

Applications should be sent to

Prof. Elisabete M. de Gouveia Dal Pino (dalpino@iag.usp.br).

The main topics to be investigated include:

- Cosmic Accelerators: Theory, Numerical Simulations and Instrument Development for the Cherenkov Telescope Array (CTA)
- Star Formation in the Galaxy and in the Primordial Universe
- Origin of Cosmic Magnetic Fields and turbulence interlinks
- Magnetic phenomena around black holes and jets

Candidates applying for these PhD scholarships will also have to pass a selection process at IAG-USP, as described in the site:

<http://www.iag.usp.br/pos/astronomia/english/admission-process>

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