

# São Paulo School of Advanced Science on High Energy and Plasma Astrophysics in the CTA Era (SPSAS-HighAstro)

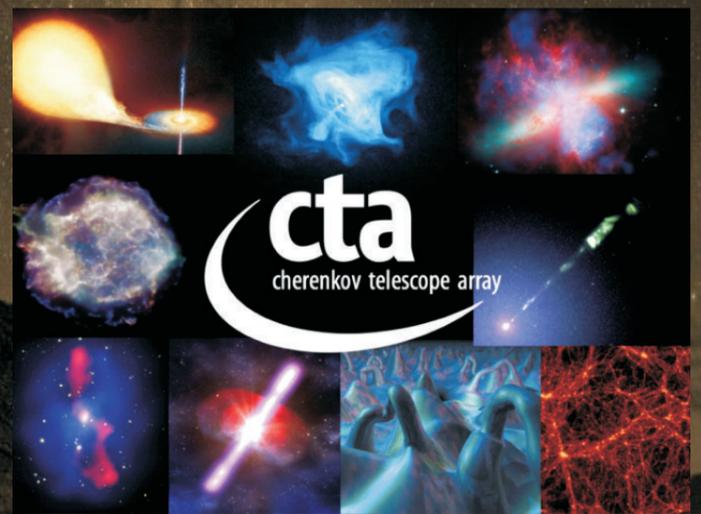
May 21-31, 2017

Instituto de Astronomia, Geofísica e Ciências Atmosféricas  
Universidade de São Paulo - IAG/USP  
São Paulo, Brasil



IAG/USP invites students, postdocs and researchers to apply for the SPSAS-HighAstro:

- 100 Students and postdocs with some research experience in high-energy and plasma astrophysics will be selected.
- There will be financial support for travel expenses and living allowances for all selected participants.



## Topics to be covered in School include:

- Unveiling the Gamma-Ray Universe with the future Cherenkov Telescope Array (CTA)
  - Radiation processes in high energy astrophysics
    - Cosmic ray acceleration and propagation
- Radiation magneto-hydrodynamics processes in gamma-ray sources (supernova remnants, pulsar winds, black holes, and jets)
  - Imaging gamma-rays with air Cherenkov telescopes
- Space versus ground gamma-ray Astronomy - from FERMI to CTA
  - Cosmic ray diffusion in turbulent media
- High Energy messengers of the non-thermal Universe
  - The search for Dark Matter

## Lecturers & Speakers

Roberto Aloisio (Italy) Ulisses Barres de Almeida (Brasil) Pasquale Blasi (Italy) Carlos de Brito Cruz (Brazil) Elisabete de Gouveia Dal Pino (Brazil) Vitor de Souza (Brazil) Fabio Iocco (Brazil) Grzegorz Kowal (Brazil) Gernot Maier (Germany) Julie McEnery (USA) Razmik Mirzoyan (Germany) Rodrigo Nemmen (Brazil) Giovanni Pareschi (Italy) Vladimir Ptuskin (Russia) Ronald C. Shellard (Brazil) Riccardo Sturani (Brazil) Stefano Vercellone (Italy) Huirong Yan (Germany) Alexander Tchekhovskoy (USA)



**APPLICATION DEADLINE: 30 MARCH 2017**



more information and the REGISTRATION at:  
[http:// www.astro.iag.usp.br/~highenastro](http://www.astro.iag.usp.br/~highenastro)

