

# Summary of Erlangen Workshop



## WELCOME

- ➤ Part 1 in a series of two workshops between FAPESP and BAYLAT. Central theme: multi-messenger astrophysics with the focus areas:
  - ➤ Multi-instrument analyses of complex regions
  - > Fundamental physics from high-energy astrophysics
  - ➤ Potential goals
    - ➤ Joint publication in the focus areas in the light of the upcoming CTA and SWGO
    - ➤ Training in state-of-the art analysis skills
    - ➤ Joint funding applications
    - Networking opportunities

### FAPESP/BAYLAT – Call for Proposals for Workshops 2021 – State of São Paulo, Brazil and Free State of Bavaria, Germany

Brazilian coordinator: Prof. Luiz Vitor de Souza Filho, Universidade de São Paulo German coordinator: Prof. Stefan Funk, FAU Erlangen-Nürnberg



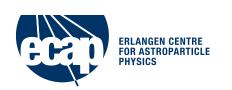
### Astroparticle physics in the era of CTA and SWGO

Jointly submitted to

Bavarian Academic Center for Latin America (BAYLAT) and to the São Paulo Research Foundation (FAPESP)

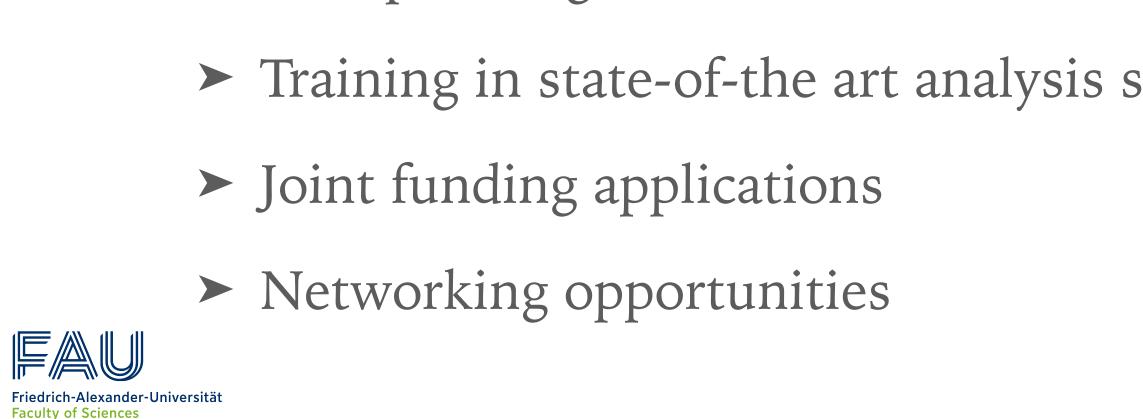
February 11, 2022





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High-energy astroparticle physics – Open questions - Instruments - Data analysis - Possible near future

Postdocs and last year PhD students

Erlangen – Germany, May 8 to 12 2023

São Carlos - Brazil, TBD 2024

Application deadline: Dec 20th 2023





For registration and more information: https://indico.ecap.work/event/44/



Souza, Aion Viana, Edivaldo Moura Santos, Christopher van Eldik, Alison Mitchell David Berge, Jim Hinton Karl Mannheim, Carola Dobrigkeit Chinellato, Farinaldo da Silva Queiroz, and Manuela Vecchi.











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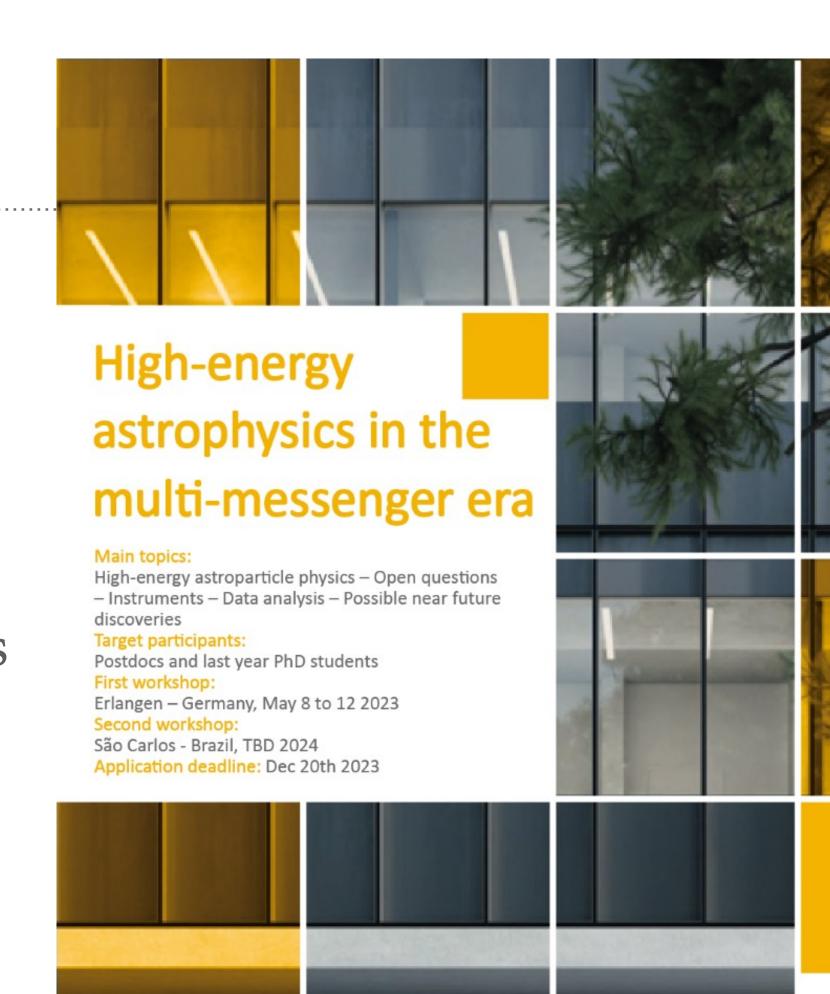
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**Faculty of Sciences** 

➤ Joint publication the upcoming

Focus on scientific interaction and on getting to know each other

- ➤ Training in state-of-the art analysis skills
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### Coordination group

Stefan Funk, Vitor de Souza, Aion Viana, Edivaldo Moura Santos, Christopher van Eldik, Alison Mitchell, David Berge, Jim Hinton, Karl Mannheim, Carola Dobrigkeit Chinellato, Farinaldo da Silva Queiroz, and Manuela Vecchi.

















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- ➤ Awarded travel funds to 6 teams (for one we had to make some arrangements since it did not fit into the PhD plans of one partner)
- ➤ Visits have now happened, we are really curious to hear about the status!



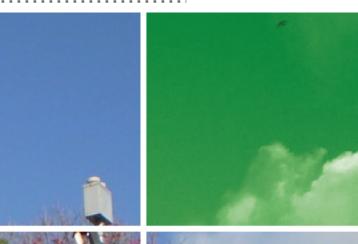


## A FEW GENERAL COMMENTS

- ➤ Short talks worked very well last time ...
- > ... but it was hard to sit through them with Jetlag.
- > Speed collaborating successful
- ➤ Try to strengthen your network this week
- ➤ Focus of agenda will be
  - activities since the Erlangen meeting
  - > Outreach
- ➤ Ultimately, it would be great to have publications as outcome of our workshops
- ➤ Also keep in mind funding opportunities: https://indico.ecap.work/event/44/contributions/445/attachments/248/439/FundingOpportunities\_BRDE.pdf







# High-energy astrophysics in the multi-messenger era

### Main topics:

High-energy astroparticle physics – Open questions – Instruments – Data analysis – Possible near future discoveries

### Target participants:

Postdocs and final year PhD students

Erlangen - Germany, 8th - 12th May 2023

### econd workshop

São Carlos, Brazil, 8th - 12th April 2024
Application deadline: Jan 13th 2024









https://indico.ecap.work/event/44/



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## Friedrich-Alexander-Universität Faculty of Sciences

### Funding Opportunities in Brazil and Germany

**Brazil** 

Young Investigator Grant / Fellowship <a href="https://fapesp.br/en/yia">https://fapesp.br/en/yia</a>

### Germany

### **European level:**

### **ERC Starting Grant**

https://erc.europa.eu/apply-grant/starting-grant

2 - 7 years after PhD, funding for 5 years to start a group Annual calls, deadline usually mid-October

### Marie Sklodowska-Curie Postdoctoral Fellowships

https://marie-sklodowska-curie-actions.ec.europa.eu/actions/postdoctoral-fellowships

Funding for 1 - 3 years (see details) of postdoc salary. Mobility encouraged.

Apply < 8 years after PhD, deadline 13th September 2023

### **National level:**

### **DFG (German Research Foundation)**

Overview of individual grants: (no deadline - continuous applications)

https://www.dfg.de/en/research\_funding/individual\_grants\_programmes/right\_funding\_programme/index.html

Individual Research Grants Programme:

After PhD, funding for 3 years

Walter Benjamin Programme:

Encourages mobility. Apply soon after PhD, funding for up to 2 years

**Emmy Noether Programme:** 











