

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 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 last year PhD students

First workshop:
Erlangen – Germany, May 8 to 12 2023

Second workshop:
São Carlos - Brazil, TBD 2024

Application deadline: Dec 20th 2023

Application open.
For registration and more information:
<https://indico.ecap.work/event/44/>



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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Focus on scientific interaction and on getting to know each other

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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



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Funding Opportunities in Brazil and Germany

Brazil

Young Investigator Grant / Fellowship
<https://fapesp.br/en/via>

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 Skłodowska-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:

