



ERLANGEN CENTRE
FOR ASTROPARTICLE
PHYSICS



Open position for a Postdoctoral researcher

The gamma-ray group in the Erlangen Centre for Astroparticle Physics (ECAP), at the University of Erlangen-Nuremberg is seeking outstanding individuals for a

Postdoctoral researcher position (TV-L E13)

to work on advanced data analysis techniques in gamma-ray astronomy for CTA and H.E.S.S., including detailed studies of pulsar wind nebulae and halos. This position is part of a newly established Emmy Noether group based at ECAP, focussing on “Unveiling the Origin of Galactic Cosmic Rays: Exploring Pulsar Environments at the Highest Energies”.

ECAP offers a strong environment in the field of astroparticle physics, being involved in both current (Fermi-LAT, H.E.S.S., ANTARES, IceCube, eROSITA) and upcoming (CTA, SWGO, KM3NeT, IceCube-Gen2) projects. Research in the institute focusses on (but is not limited to) improvements in event reconstruction, machine learning, data analysis and interpretation, and development of methods and instrumentation.

Successful applicants should have a PhD degree in Physics with a specialisation in Astrophysics, Astroparticle Physics or related disciplines. They should have a research background and provide evidence of outstanding potential. Relevant experience in gamma-ray data analysis, in astrophysical modelling and an ability to work in a team is seen as beneficial. Guiding and advising students in their PhD, Master's and Bachelor's theses is expected.

The full-time position will initially be for 3 years. The contract will be in salary grade E13/A13. The application deadline is **1st November 2021**. Later applications may be considered until the position is filled.

The University of Erlangen-Nuremberg wishes to increase the participation of women in its research activities. Therefore applications by women are particularly welcome. The University of Erlangen-Nuremberg is committed to employing more handicapped individuals and especially encourages them to apply.

Applications, including a Statement of Interest, CV, publication list and contact information of three reference persons should be sent to Dr. Alison Mitchell (alison.mw.mitchell@fau.de).