



ERLANGEN CENTRE  
FOR ASTROPARTICLE  
PHYSICS



## Open position for a PhD candidate

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

### **PhD position (0.67 TV-L E13)**

to work on studies of muons and hadronic cosmic rays towards analysis improvements in gamma-ray astronomy with H.E.S.S. and CTA. 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.

Requirements for successful applicants are a degree in Physics or equivalent, with specialisation in Astrophysics. They should possess a research background and provide evidence of excellent potential. Relevant experience in software development and an ability to work in a team is seen as beneficial. Supervision and teaching of undergraduate students is expected.

The position has a 3-year term and 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, copies of recent certificates, and contact information of reference persons should be sent to Dr. Alison Mitchell ([alison.mw.mitchell@fau.de](mailto:alison.mw.mitchell@fau.de)).