



# Max-Planck-Institut für Kernphysik

Max Planck Institute for Nuclear Physics



The Max Planck Institute for Nuclear Physics in Heidelberg invites applications for a

## Post Doctoral Research Associate

to contribute to our activities for the development of the Cherenkov Telescope Array (CTA)

The Cherenkov Telescope Array will be the next-generation facility for high energy gamma-ray astronomy, consisting of a large number of telescopes with mirror diameters of 4, 12 and 23 m. The Max Planck Institute for Nuclear Physics is a key contributor to the development of CTA. One major activity in the technical area is the development and production of fully digital, FADC-based cameras (FlashCam) with high-performance Ethernet-based front-end readout. A full-size FlashCam prototype camera for the medium-sized telescopes of CTA is available for extended testing. Next steps include system verification with the prototype camera and preparation for observations on site.

The successful applicant is expected to provide significant contributions to the following areas:

- Characterization of the prototype camera and performance verification
- Contribution to the development of simulation software
- Preparation for data taking on site and for data analysis

Requirements:

- PhD in physics, astronomy or astroparticle physics
- Relevant experience in hardware and software development, preferably in the context of data acquisition systems
- Proven software development skills, using C/C++
- Demonstrated ability to work in a team
- Excellent skills in English, written and oral

The contract is initially limited to two years. The Max Planck Society wishes to increase the participation of women in its research activities. Therefore applications by women are particularly welcome. The Max Planck Society is committed to employing more individuals with disabilities and especially encourages them to apply.

Further information can be obtained from: Dr. German Hermann, MPI für Kernphysik, [German.Hermann@mpi-hd.mpg.de](mailto:German.Hermann@mpi-hd.mpg.de), +49 (0) 6221 516-528

Please apply exclusively [ONLINE \(reference # 20 -2016\)](#).

Required documents: a Statement of Interest, CV and contact information of reference persons.

