# Open position for PhD student (m/f/d).

The Institute for Nuclear Physics of the University of Cologne has an open position for a PhD student to work at GSI (Darmstadt) on projects for the NUSTAR/DESPEC collaboration. HISPEC/DESPEC experiments will be situated in the Low Energy Branch (LEB) of the NUSTAR collaboration within FAIR, where Super- Fragment Separator (SFRS) beams of radioactive ions with energies of typically 10-300 A MeV will be available. The ultimate goal is to investigate the structure of atomic nuclei using high-resolution gamma-ray spectroscopy for exotic isotopes far off stability produced, separated and selected in the SFRS by means of its tracking and identification detectors. The presently existing DESPEC setup of the Phase 0 of FAIR operated at the FRS at GSI gives an opportunity for participation in experiments, data analysis and publication of physics data already now within the framework of a large international community. The development and tests of ultra-thin beam-tracking detectors for HISPEC/DESPEC can be performed in parallel and is also a goal of this project. Those detectors are meant to be integrated into the HISPEC/DESPEC setup establishing the methods and analysis of experiments with beams slowed down from 150 MeV/u to 10 MeV/u. In addition, the successful candidate will be given the opportunity to participate in external experiments at other world leading facilities for nuclear structure as RIKEN, Jyvaskyla, GANIL and others where the local group is strongly involved.

The position is available from 01.5.2020 on a full time basis. It is limited to three years. The University of Cologne is committed to equal opportunities and diversity. Women are expressly encouraged to apply and given priority in accordance with the Equal Opportunities Act of North Rhine-Westphalia (Landesgleichstellungsgesetz– LGG NRW). We also expressly welcome applications from people with special needs or of equal status.

Please send your application with a curriculum vitae and a proof of your master degree in physics by email (in one pdf-file) to Prof. Dr. Jan Jolie jolie@ikp.uni-koeln.de or Dr. Magda Gorska gorska@gsi.de before 1.3.20.