

Research Professor and Postdoctoral Positions for Laboratory Astrophysics

Department of Physics of UNIST (Ulsan National Institute of Science and Technology) hosts "Center for High Energy Astrophysics (CHEA)", a research center supported by National Research Foundation (NRF) of Korea. Current research topics of CHEA include 1) high energy phenomena in clusters of galaxies, particularly those involving shock waves, turbulence, magnetic fields, and cosmic rays and 2) the structure and evolution of compact objects such as neutron stars and black holes as well as explosive phenomena related to them (<http://sirius.unist.ac.kr/SRC-CHEA/>). In order to study such high energy astrophysical processes in laboratory scales, CHEA plans to create a world-leading laboratory astrophysics program and invites applications for research professor and postdoctoral positions for the topics of laboratory astrophysics using cutting edge instrumentations, such as free-electron lasers (FELs), electron beam ion traps/sources (EBITs/EBISs), and rare isotope beams (RIBs). For further inquiries, please contact Prof. Moses Chung (mchung@unist.ac.kr).

Research professor positions are offered for up to 5 years (initially for 2 years and can be extended for 3 more years after evaluation). The salary is comparable to that of junior faculties in Korean universities and commensurate with qualifications. Funds for research expenses are provided. In addition, successful candidates can apply for research funds through the programs of the NRF of Korea. They are expected to carry out independent researches of their own interests.

Postdoctoral Positions are offered for up to 3 years (initially for 2 years and can be extended for 1 more year after evaluation). The salary is on the level of postdoctoral fellows of Korean research institutes and commensurate with experiences. Funds for research expenses are provided. Successful candidates are expected to spend a half of their time for researches with members of CHEA and the other half for independent researches of their own interests.

Interested persons should send a curriculum vita, bibliography, and a statement of research interests, along with three reference letters to ryu@sirius.unist.ac.kr (Dongsu Ryu, Director of Center for High Energy Astrophysics). Applications received by August 31, 2017 will be fully considered, but applications will continue to be accepted until the positions are filled. Applicants must have a PhD in physics, astronomy, or a related field at the time of appointment, and should demonstrate extensive experiences in instrumentation and experimental data analysis.