

Ph. D candidate position opening for experimental nuclear physics

The Department of physics, Tsinghua University is one of the China's leading centers for Physics research. The experimental nuclear physics group (ENPG) is seeking doctorate students to join our experimental program to study the equation of state of isospin-asymmetric nuclear matter, which is of great interest of both nuclear physicists and astrophysicists.

The candidates are associated with a new experiment under construction at the Heavy Ion Research Facility at Lanzhou (HIRFL), one of the national grand scientific facilities in collaboration with the colleagues from IMP, to study the equation of state of isospin asymmetric nuclear matter. While most of the research program will be carried out at HIRFL, we will also make use of data from some leading experiments which we participate in the world. The major aim of the doctorate research is to prepare and perform a recently approved NSFC project to study the density behavior of the symmetry energy. As well as preparing a test bench for the detectors, you will be requested to take responsibility for full Monte Carlo simulation of the detectors, preparation of the beam experiment, data taking, data analysis and dissemination of the results. You will have to learn to work effectively within a collaboration and will be required to travel in China and/or overseas for experiments and conferences. With this thesis training you are expected to develop solid skills in computation (via MC Simulation), nuclear electronics (via detector test) and particle detection techniques (via detector test and beam experiment). This work will be associated with Dr. Prof. Zhigang Xiao and the period is about 5 years.

Further information can be found at:

<http://info.phys.tsinghua.edu.cn/enpg>

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