Universität Hamburg
DER FORSCHUNG | DER LEHRE | DER BILDUNG

FAKULTÄT
FÜR MATHEMATIK, INFORMATIK
UND NATURWISSENSCHAFTEN

UHH · Fakultät MIN · Rothenbaumchaussee 19 · 20148 Hamburg

Dr. Tamer Tolba

Research Associate for the Project "Meson beam optimization for precision measurements of the leptonic CP violating phase in low energy nuSTORM facility"

Institution: Faculty of Mathematics, Informatics and Natural Sciences, Department of Physics, Institute of Experimental Physics

Salary level: EGR. 13 TV-L

Start date: As soon as possible, fixed for one year

Scope of work: Part-time

Weekly hours: 20-33 % of standard work hours per week

Your responsibilities

The design study of the high power target system of the ESSnuSBplus neutrino long-baseline design study and evaluating its mechanical and thermodynamic functionality using the available physics and finite element analysis software considered crucial step in validating its suitability for this kind of technology. An R&D program for the experimental validation of the studied design will be carried out in the ESS Target Helium Experiments at Lunds Tekniska Högskola (ETHEL) setup in Lund University, Sweden. ESS Bilbao (is a main partner in this project. The selected candidate is expected to cooperate closely with these two groups in the design and testing of the target prototyp and will be expected to travel to Lund once or twice during the year.

Your profile

You are a PhD student, preferably in the MIN-Physics department. Having some experience in Finite element analysis software is a plus.

Contact:

Dr. Tamer Tolba

Tel.: +49 40 8998 4872

E-Mail: tamer.tolba@uni-hamburg.de