

PhD position at Technical University of Munich to work for ALICE Collaboration

The successful applicant will work for ALICE Collaboration on data analysis with multiparticle correlation techniques, focusing mostly on anisotropic flow phenomenon and femtoscopy. These measurements will be used to pin down quantitatively the properties of an extreme state of matter, the Quark-Gluon Plasma, beyond the rather qualitative analyses that are currently carried out in the field. In addition, the nature of genuine multibody interactions between hyperons and nucleons, relevant for the physics of neutron stars, will be investigated as well.

Candidates are expected to hold a master (or equivalent) degree in particle or nuclear physics at the time of appointment. Experience with data analysis in ALICE Collaboration and the knowledge of C++ programming language are advantage. Good communication skills (English) and readiness to travel to international conferences are mandatory. Several weeks of presence at CERN are planned for service tasks within ALICE Collaboration and taking shifts in the ALICE control room. Applications from female scientists are encouraged and the position is open to candidates of any nationality.

Applications including a CV (containing a brief summary of previous research activities and a one-page letter of motivation), a copy of the master certificate, copies of the university scores, as well as two letters of recommendation should be sent to Dr. Ante Bilandzic (ante.bilandzic@tum.de).

The position will be located at Physics Department of Technical University of Munich. The expected duration of the PhD program is three years, starting in January or February 2018. The salary is according to the German public service pay agreement (TV-L E13 50%). This project has received funding from the European Research Council (ERC) under the European Union's Horizon 2020 research and innovation programme (grant agreement No 759257).

The application deadline: November 11, 2017.