

Title: **Physicist for EM Field and Beam Dynamic Simulations.**

Group: GEMF

Type of Work: Full Time

Location: Yerevan, Armenia

Application Closing Date: Open until vacancy is filled

Job Description:

The Group of Electromagnetic Fields (GEMF) of CANDLE Synchrotron Research Institute is seeking for a physicist. He/She will be responsible for the design and simulations of various accelerator components like RF components (cavities, waveguides, circulators and etc.), magnets (dipole, solenoid, quadrupole and etc) and beam dynamic simulations.

Qualifications Required:

1. You should hold a university degree in applied physics (Master, Diploma, PhD) or equivalent and have experience in EM field and beam dynamic simulations.
2. Excellent knowledge of Electrodynamics and Mathematical analyses is obligatory. Good understanding of beam dynamics in high energy accelerators is desired.
3. Knowledge of programming languages such as C, C++ and data analysis tools such as Mathematica, Matlab or similar software.
4. Team work capability is essential. An excellent command of English would be an asset. Ability to communicate research results effectively, both orally and in writing, within the team and at international conferences.
5. Participation in accelerator run shifts.

Please send your application letter and CV/Resumes to amikaelyan@asls.candle.am

“Physicist for EM Field and Beam Dynamic Simulations” in the subject.

Contact number +374 10 62 98 06.