

Accelerator Physicist (beam chamber impedances)

General information

Place of employment: Laboratory of High Energy Physics, JINR, Dubna

Published Date: 22 March 2021

Duration of the contract: 2 years (with the possibility of extension)

Deadline for application: 01 July 2021

Share of work: full time, 8h

Remuneration: 1,700,000 – 3,500,000 roubles per year (depending on experience, qualifications and interview results), income tax of 13% is applied (regulations of the Russian Federation); employer provides family insurance and helps with housing provision

Desired level of education: doctoral degree or higher professional education

Required experience: 5 years in research (team leader)

Job description

The successful candidate will be a member of the Accelerator division at VBLHEP JINR. The division work is focused on the development of the NICA accelerator facility. ***The physicist-specialist will be involved in optimizing the impedances of the Collider beam chamber and its elements, analyzing the associated instabilities of the ion beam.*** The candidate will also provide an expert assessment of the proposed technical solutions of the project.

Skills

Experience in developing focusing systems for such accelerators and devices for suppressing particle motion is highly desirable. The candidate should be able to plan, organize the assigned work and be responsible for its implementation, as well as be able to develop the necessary technical documentation of the project.

Proficiency in English is essential. Knowledge of Russian will be an advantage.

Constraints and risks

The candidate will be expected to undertake international business trips for periods varying from about 1 to 4 weeks. Shift work and weekend work may be necessary, remote work is allowed. The work will be carried out at accelerator facilities whereby the necessary authorizations will be issued following the annual medical examination arranged by the employer.

How to apply

Applicants should submit a detailed CV, a summary of research interests, a list of publications highlighting representative publications, and arrange to have at least two reference letters sent by the referees to the email address below. These documents should be addressed to Prof. V.D. Kekelidze and sent to Anna Rassadova, rassadova@jinr.ru.

Short-listed candidates will be invited to an interview, remotely or in person.