

Postdoctoral Fellow Position in Strong Interaction Physics and hot QCD matter

Indian Institute of Technology Gandhinagar (IITGN) invites applications for a postdoctoral position from motivated individuals interested in “Strong Interaction Physics and hot QCD matter”. The appointment will be for a period of twelve months (one year).

Eligibility and expectations: The candidate will work in collaboration with Prof. Vinod Chandra (<https://iitgn.ac.in/faculty/phy/fac-vinod>) in the Physics discipline at IIT Gandhinagar. The work will be primarily on understanding the heavy-quark dynamics in hot QCD medium in the presence of dissipative effects (such shear and bulk etc.) and background electromagnetic fields. In particular, the focus of the work will be on developing a comprehensive theoretical understanding of the said topics as well as establishing connections of the theoretical work to the experimental observations. The candidate is expected to work in close collaboration with Prof. Santosh Kumar Das’s group (http://www.iitgoa.ac.in/faculty_page.php?id=84) from IIT Goa. Candidates with excellent academic record and a proven track record in research in the area related to finite temperature field theory approach to hot QCD medium and a good hold on kinetic theory modeling of hot QCD medium with a focus on the transport coefficient computation of hot QCD medium and heavy quark dynamics are particularly encouraged to apply. Candidates who have submitted their thesis recently or planned to submit in a short duration are also eligible to apply. The candidate is expected to contribute to various teaching and academic activities of the discipline and the Institute.

Terms and conditions of the employment:

- Employment duration: 12 months (One year)
- Place of the work: Physics Discipline, IIT Gandhinagar
- Monthly emoluments: Rs. 50, 000/- (Fifty Thousand)
- The successful candidate is strongly encouraged to apply for SERB-NPDF (National Post-doctoral Fellowship) with Prof. Vinod Chandra

Application Procedure:

Candidates must send their applications via e-mail to Prof. Vinod Chandra (vchandra@iitgn.ac.in) with the subject line: PD21-Application-HOTQCD-YourName by **April 5, 2021**, containing the following documents in a single PDF format.

1. A detailed Current CV
2. List of publications
3. One page summary of doctoral research
4. A short statement on future research plans at IITGN (not exceeding 2 pages)

In addition, you are advised to arrange at least two letters of reference to be sent directly to Prof. Vinod Chandra at vchandra@iitgn.ac.in.

The applications will continue to be screened until the position is filled. Queries may be directed to Prof. Vinod Chandra at vchandra@iitgn.ac.in.