

One Postdoctoral Position in “Aspects of the hot QCD medium in the presence of Strong EM fields” under Prof. Vinod Chandra

Indian Institute of Technology Gandhinagar (IITGN) invites applications for a postdoctoral position from motivated individuals interested in “Aspects of the hot QCD medium in the presence of Strong EM fields”. The applications are sought under the Post- Doctoral Fellowships Program of IITGN funded by the DST/SERB funded projects of Prof. Chandra. Please refer to the web-link: <http://www.iitgn.ac.in/pd-fellowships.htm> for information about Emoluments and detailed Terms and Conditions. Applications are accepted through email from **March. 1, 2018** and the last date for the receipt of the complete application (including two reference letters) by email is **March. 20, 2018** (see the details on the application procedure below).

Eligibility and Expectations:

The Postdoctoral Fellow is expected to work on understanding the properties of the quark-gluon-plasma under strong magnetic field in RHIC with prime focus on the computation of the transport coefficients of the QGP/hot QCD matter. The major focus would be on developing the theoretical understanding and finally relating it to the experimental observables for the QGP in the heavy-ion collision experiments. Candidates with expertise and/or interest in high temperature QCD, Relativistic kinetic theory and relativistic dissipative hydrodynamics for hot QCD, Physics of Quark-Gluon-Plasma and Relativistic heavy- ion collisions are encouraged to apply. The candidates must have Ph.D. degree in Physics with thesis work related to the Physics of Quark-gluon-Plasma, Physics of Heavy-ion collisions or the applications of hot QCD to the understanding of the QGP.

Application Procedure:

Candidates must send their applications via e-mail to Prof. Vinod Chandra (vchandra@iitgn.ac.in) with subject line: PD18-Application-QGP-YourName. The following documents must be sent as a single pdf file along with the application:

- Filled application form: http://www.iitgn.ac.in/Phd_fellowship/AppForm.pdf with supporting documents
- Current CV with the list of publications, and a one page summary of doctoral research and one page on future research plans at IITGN

As a part of the application, you are advised to arrange two letters of references to be sent 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 vchandra@iitgn.ac.in (preferred) or +91-8238297196.