

The Experimental High Energy Nuclear Physics group at the Department of Physics and Astronomy, Vanderbilt University, is inviting applications for the position of Postdoctoral Research Associate beginning Oct 1st, 2022. Candidates should hold a Ph.D. in high energy nuclear or particle physics and have demonstrated experience in data analysis. The Vanderbilt group is a member of the PHENIX, and sPHENIX collaborations at RHIC (Brookhaven National Laboratory), the CMS collaboration at the LHC (CERN), and the theory/experiment JETSCAPE collaboration. The group, comprised of Profs. Vicki Greene, Julia Velkovska, Raghav Kunnawalkam Elayavalli and Yi Chen, have made major contributions in the study of the quark-gluon plasma (QGP) with detailed investigations of collective phenomena, jet-medium interactions and jet substructure. Experience in one of the areas of interest for the group is desirable. The successful applicant will be expected to participate in the commissioning of the new sPHENIX detector at RHIC in spring of 2023 including travel to BNL and take-part in the early data-analysis primarily focused on measurements of hard-probes. There is a possibility of analysis using existing datasets from CMS and additional collaborations with theorists depending on the interest of the applicant.

Application Details

Applicants should send a complete and up-to-date CV, a brief (1-page) description of research experience and interests, list of publications, and arrange for three recommendation letters, to be sent electronically to Prof. Raghav Kunnawalkam Elayavalli: raghav.ke@vanderbilt.edu

For full consideration, applications should be received by June 15th 2022. Additional applications will be accepted and reviewed until the position is filled. The position is for 1 year, renewable for up to three years. Vanderbilt University is an Equal Opportunity Employer and encourages underrepresented minority candidates to apply.