

A Workshop on Neutrino Physics: Theory and Experiments

October 19-25, 2019

**Physics Department, Institute of Science
Banaras Hindu University,
Varanasi - 221 005 (India)**

This workshop on “Neutrino Physics: Theory and Experiments” is supported by Ministry of Human Resource Development (MHRD), Government of India, New Delhi *under SPARC programme* to provide training for the next generation of neutrino physicists in both theory and experiment. The workshop brings together graduate students and postdoctoral fellow / Research Associate, along with some of the young teachers and researchers in neutrino physics, to create an intensive week long learning experience in an open and interactive environment that covers the full range of modern neutrino physics. The course will include lectures and discussions on neutrinos in the standard model and beyond; neutrino mass theory and measurement; neutrino oscillations; the physics of solar, reactor, atmospheric and accelerator neutrinos; constraints on neutrino parameters; statistical methods; and neutrino detection among others. Students will also have opportunity to present individual posters on their current research. Ample time will be provided to meet and socialize with other students and instructors outside of scheduled workshop activities.

This workshop will be hosted at Physics Department, Institute of Science, Banaras Hindu University in Varanasi – an ancient holy city, from **October 19 – 25, 2019**.

We expect to have a limited number of local travel supports available, depending upon available funding, for qualified students in need of support. Registration fee of Rs. 7100/- is essential for participants. We are expecting limited number of participants up to 25 in number. Most of the speakers are from our country's best of the best and some of them are from abroad. Participants will get free suitable accommodation and working lunch during workshop period. Interested applicants should arrange two recommendation letters one from your supervisor or mentor. Poster of the participants will display out side the lecture hall during the workshop period.

How to apply:

Send email of your complete application form with academic detail to Dr. Venkatesh Singh, Convener at venkaz@yahoo.com (copy to Dr. Ajay Kumar, co-convener at atyagi44@yahoo.co.in) along with your CV and reason of participation before **August 15, 2019**. Request your referees to send recommendation letter before last date to the above email addresses. For questions and comments, please email us. In the next poster, speakers name and address will be highlighted with more conference details.



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