



Special Issue on Neutrino Research

Call for Papers

A neutrino is an electrically neutral, weakly interacting elementary subatomic particle with half-integer spin. All evidence suggests that neutrinos have mass but that their mass is tiny even by the standards of subatomic particles. Their mass has never been measured accurately. Neutrinos do not carry electric charge, which means that they are not affected by the electromagnetic forces that act on charged particles such as electrons and protons. Neutrinos are affected only by the weak subatomic force, of much shorter range than electromagnetism, and gravity, which is relatively weak on the subatomic scale. Therefore a typical neutrino passes through normal matter unimpeded.

Neutrinos' low mass and neutral charge mean they interact exceedingly weakly with other particles and fields. This feature of weak interaction interests scientists because it means neutrinos can be used to probe environments that other radiation (such as light or radio waves) cannot penetrate. The study of neutrinos is important in particle physics because neutrinos typically have the lowest mass, and hence are examples of the lowest energy particles theorized in extensions of the Standard Model of particle physics.

In this special issue, we intend to invite front-line researchers and authors to submit original research and review articles on exploring **Neutrino Research**.

Authors should read over the journal's [Authors' Guidelines](#) carefully before submission. Prospective authors should submit an electronic copy of their complete manuscript through the journal at [Paper Submission System](#).

Please kindly notice that the “**Special Issue**” under your manuscript title is supposed to be specified and the research field “**Special Issue —Neutrino Research**” should be chosen during your submission.

According to the following timetable:

Manuscript Due	August 30th, 2013
Publication Date	October 2013

Guest Editor:

For further questions or inquiries
Please contact Editorial Assistant at
jmp@scirp.org