

Columbia University Postdoc-Double Chooz Experiment

**Columbia University
Nevis Laboratories
Postdoctoral Research Scientist
Double Chooz Experiment**

The experimental neutrino physics group at Columbia University (Nevis Laboratories) invites applications for a postdoctoral research scientist to work on the Double Chooz Reactor Neutrino Experiment.

The Double Chooz experiment uses two detectors at different distances from the Chooz Nuclear Power Station in France to make a very sensitive search for neutrino disappearance due to neutrino oscillations or other neutrino phenomena. The experiment is particularly sensitive to a finite value of the last unmeasured mixing angle, θ_{13} , at a level almost an order-of-magnitude better than the current limits.

The successful candidate would be expected to play a leading role in the final design and construction of the Double Chooz experiment, as well as in the data and physics analysis. The Columbia group shares primary responsibility for the design, construction, and commissioning of the outer veto system with particular responsibility for the photo-detectors and readout electronics. Preference will be given to recent PhD applicants with experience in both hardware and data analysis.

Applicants must hold a Ph.D. in experimental particle physics and should submit curriculum vitae, a publication list, and a statement describing their research interests. Candidates should also arrange to have three letters of reference sent on their behalf.

Columbia University is an equal opportunity/affirmative action employer and is particularly interested in receiving applications from women and minorities.

All application materials should be sent via email to:
Prof. Michael Shaevitz
shaevitz@nevis.columbia.edu.

Applications will be considered until the position is filled. Review of applications will begin on June 15, 2007.

More information on the Columbia Neutrino group is available at:
<http://www.nevis.columbia.edu/~conrad/collaborators.html>