

DISCRETE '08: Symposium on Prospects in the Physics of Discrete Symmetries



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Neutrino Physics Experiments

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After making a brief introduction in neutrino physics I will discuss the status and prospects of experiments probing the “solar” and “atmospheric” parameters of the neutrino mixing matrix. Then I will focus on near and longer term experiments aiming to address the nature of the neutrino (Dirac or Majorana) and measure the absolute neutrino masses. Finally, I will describe reactor and accelerator experiments that will probe the “cross mixing” neutrino parameters with an aim to determine the hierarchy of the neutrino masses, and study if CP symmetry is violated in the neutrino sector.

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