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Dirac neutrino masses require two distinct neutral Weyl spinors per generation, with a special arrangement of masses and interactions with charged leptons. O...Â In this work we discuss the phenomenology of quasi-Dirac neutrino oscillations and derive limits on the relevant parameter space from various experiments. In one parameter perturbations of the Dirac limit, very stringent bounds can be derived on the mass splittings between the almost degenerate pairs of neutrinos. However, we also demonstrate that with suitable changes to the lepton mixing matrix, limits on such mass splittings are much weaker, or even completely absent. Free Preview. Â© 2000. From Dirac to Neutrino Oscillations. Authors: Ahrens, Tino. Free Preview. Buy this book. eBook $109.00. price for USA in USD. Buy eBook. ISBN 978-1-4615-4465-4. Digitally watermarked, DRM-free. Included format: PDF.Â Massive Neutrinos. Pages 107-140. Ahrens, Tino. Preview Buy Chapter $29.95. Show next xx. Read this book on SpringerLink. Buy this book. PDF | The theory of neutrino flavor rotations is discussed in terms of wave function solutions to the Dirac equation with a neutrino mass matrix. We | Find, read and cite all the research you need on ResearchGate.Â arXiv:hep-ph/9608476v1 28 Aug 1996. Neutrino Flavor Oscillations Using the Dirac Equation. A. Widom and Y.N. Srivastava. Department of Physics, Northeastern University, Boston, MA 02215.