The nature of neutrino mass is one of the frontier problems of fundamental physics. Atmospheric neutrino oscillation data have indicated that the mass difference between neutrino states is not less than 50 meV. The proposed GERDA experiment will use enriched detectors from the Heidelberg-Moscow and IGEX experiments, together with naked detectors and pure liquid shielding (Ar or N2) for background rejection. The aim is to reach a mass sensitivity of 50 meV. The concept of the experiment and some details of isotope procurement and material handling will be discussed.