

**SEARCH FOR DOUBLE β DECAYS OF ^{96}Ru AND ^{104}Ru
WITH HIGH PURITY Ge γ SPECTROMETRY**

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Experiment to search for double β decay of ^{96}Ru and ^{104}Ru is in progress in the underground Gran Sasso National Laboratories of the INFN (Italy) with the help of ultra-low background high purity (HP) Ge γ spectrometry. After 2162 h of data taking with 473 g ruthenium sample in low-background set-ups with HP Ge detectors, new improved limits on 2β processes in ^{96}Ru and ^{104}Ru have been established on the level of 10^{18} – 10^{19} yr.

Keywords: double beta decay, ^{96}Ru , ^{104}Ru .