

## Neutrino-mass oriented spectrometry at ISOLTRAP

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Precision mass measurements are performed at the mass spectrometer ISOLTRAP with a relative mass uncertainty routinely reaching  $1 \cdot 10^{-8}$ . The time-of-flight detection technique is employed to determine the frequency of an ion stored in a Penning trap, from which the mass can be extracted. One topic, which has been studied at ISOLTRAP recently, involves the neutrino mass determination. Neutrino-oscillation experiments are not able to measure the absolute neutrino mass, however, Penning trap mass spectrometry can provide valuable input data. Electron capture processes or neutrinoless double beta decay probe the absolute neutrino mass and can be studied in a Penning trap. The results will be presented in this contribution.

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