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Muon capture in Mo-100/Mo-nat and Ru-nat

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The ordinary muon capture (OMC) on the enriched ^{100}Mo , as well as natural ^{nat}Mo and ^{nat}Ru were investigated at MuSIC (RCNP, Osaka) in order to study neutrino nuclear responses for neutrinoless double beta decay ($0\nu\beta\beta$) and supernova neutrino nuclear reactions. The considered experiment aimed to study the muon absolute lifetime and radioactive production rate of OMC on ^{100}Mo , ^{nat}Mo and ^{nat}Ru .

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