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Electron Capture Branch of ^{100}Tc and the Efficiency of a Proposed Mo Neutrino Detector SKY SJUE, ALEJANDRO GARCIA, SETH HOEDL, SMARAJIT TRIAMBAK, ERIK SWANSON, University of Washington, FABIAN NAAB, University of North Texas, IRSHAD AHMAD, Argonne National Lab, HEIKKI PENTTILA, JUSSI HUIKARI, University of Jyvaskyla, ALEJANDRO ALGORA, Institute of Nuclear Research of the Hungarian Academy of Sciences — We present results from a measurement of the Electron-Capture branch of ^{100}Tc performed at the IGISOL facility in Jyväskylä, Finland. The value of the ^{100}Tc EC BR determines the ^{100}Mo neutrino absorption cross section to the ground state of ^{100}Tc, which determines the efficiency of a proposed real-time *pp* neutrino detector.

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