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Tandem targetry possibilities for the production of the medically-important radionuclides ^{88}Zr and ^{89}Zr

Excitation functions have been measured for the reactions $^{89}\text{Y}+\text{p}$ and $^{93}\text{Nb}+\text{p}$ and thick-target yield curves have been derived for the production of ^{88}Zr and ^{89}Zr up to 70 MeV. Tandem Nb/Y-targets as well as the extraction of medically-important radio-Zr nuclides from used Nb capsules as a by-product are discussed.

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