^{87}Zr

^{87}Zr was first observed by Robertson et al. from Ohio State University in "Radioactive Y^{84}, Y^{88}, and Zr^{87}," published in 1949 (1949Ro03). A beam of 20 MeV α-particles bombarded enriched targets of $Sr^{84}O$ and $Sr^{86}O$. The positron activity was measured with a calibrated spectrometer counter. "From the percent composition of the strontium in each of the two samples, one is lead to conclude that the 2.0-hour activity is caused by the strontium 84 and should be assigned to zirconium 87. The reaction is $Sr^{84}(\alpha,n)Zr^{87}$."

Adapted from reference (2012Ny02)

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