^{163}Yb

The first observation of ^{163}Yb was reported by Paris in "La période de décroissance de l'ytterbium 163" in 1967 (1967Pa20). A Tm_2O_3 target was bombarded with protons from the Orsay synchrocyclotron and ^{163}Yb was populated in the (p,7n) reaction. Gamma-ray spectra were measured with a germanium detector following element and mass separation. "La désintégration ^{163}Yb→^{163}Tm a été observée pour la première fois. La détermination de la décroissance de plusieurs sources séparées isotopiquement permet d'attribuer à ^{163}Yb une période $T_{1/2}$ = 10,9±0,5 mn." [The decay ^{163}Yb→^{163}Tm was observed for the first time. The determination of the decay of several isotopically separated sources was used to assign a half-life of $T_{1/2}$ = 10.9±0.5 min to ^{163}Yb.]

Adapted from reference (2013Fr10)

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