^{110}Te ε decay 1977Ki11

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	G. Gürdal and F. G. Kondev	NDS 113, 1315 (2012)	1-Aug-2011

Parent: ^{110}Te: E=0.0; $J^{\pi}=0^+$; $T_{1/2}$=18.6 s *8*; Q(ε)=5220 *9*; %ε+%β^+ decay=100.0

1977Ki11: ^{110}Te was produced by ^{58}Ni(^{58}Ni,xpyn), ^{63}Cu(^{58}Ni,xpyn). Beam : E(^{58}Ni)=290 MeV. Target: ≈3 mg/cm^2 ^{58}Ni and ^{63}Cu. Recoil products were stopped in the tantalum capsule-cathode of the ion source and were mass-separated after reionization, by the GSI on-line mass separator facility. A plastic detector for β-detection, a Ge(Li) detector for γ-detection, a Ge detector for X-ray-detection were used. Particles were identified using 300 mm^2, 300 μm thick surface barrier detector. Protons and α-particles were discriminated using a ΔE-E telescope.

Other: 1981RoZX.

$\gamma(^{110}Sb)$

E_γ[†]
[x]107.5[‡]
[x]219.1 *6*
[x]605.9 *6*
[x]894.8[‡]

† From 1977Ki11.
‡ From 1981RoZX.
[x] γ ray not placed in level scheme.