
Adopted Levels

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Yu. Khazov, I. Mitropolsky, A. Rodionov		NDS 107, 2715 (2006)	17-Jul-2022

$Q(\beta^-) = -1.08 \times 10^4$ SY; $S(n) = 1.07 \times 10^4$ SY; $S(p) = 2.1 \times 10^3$ SY; $Q(\alpha) = 3.2 \times 10^3$ SY [2021Wa16](#)
[1986Wi15](#), [1987WiZM](#): $^{96}\text{Ru}(^{40}\text{Ca}, 2p3n)$ $E = 208$ MeV; ^{131}Sm was identified by measurement of the Pm x-rays in coincidence with the delayed protons. 159 keV γ of ^{130}Nd and 254 keV γ of ^{130}Ce were observed in coincidence with protons. Isotope separator, transport tape.

 ^{131}Sm Levels

E(level)	$T_{1/2}$	Comments
0.0	1.2 s 2	$\% \varepsilon + \% \beta^+ = 100$; $\% \varepsilon p > 0$ $T_{1/2}$: from 1986Wi15 , 1987WiZM . Delayed proton emitter; $E(p) = 1.8$ to 6.6 MeV (1986Wi15).