

$^{89}\text{Y}(\mu^-, \text{n}\gamma)$ **1970Ke20**

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	E. A. Mccutchan and A. A. Sonzogni		NDS 115, 135 (2014)	1-Nov-2013

Measured E(x-ray), E γ , I(x-ray), I γ using a Compton-suppressed Ge(Li) detector.

 ^{88}Sr Levels

$E(\text{level})^\dagger$	$J^\pi \ddagger$
0	0^+
1834.7 4	2^+
2732.4 5	3^-
3582.1 8	5^-
3633.4 8	$(2)^+$

\dagger From a least-squares fit to E γ by the evaluators.

\ddagger From the Adopted Levels.

 $\gamma(^{88}\text{Sr})$

I(γ +ce) normalization: From comparison with K x-ray and L x-ray lines of known absolute intensity.

E_γ	I_γ	$E_i(\text{level})$	J_i^π	E_f	J_f^π
849.7 6	2	3582.1	5^-	2732.4	3^-
^x 865.8 [†] 6	2				
897.67 24	13	2732.4	3^-	1834.7	2^+
1798.7 [‡] 7	4	3633.4	$(2)^+$	1834.7	2^+
1834.7 4	32	1834.7	2^+	0	0^+

\dagger Assignment to ^{88}Sr uncertain.

\ddagger Not assigned to ^{88}Sr by **1970Ke20** but γ is known from other experiments.

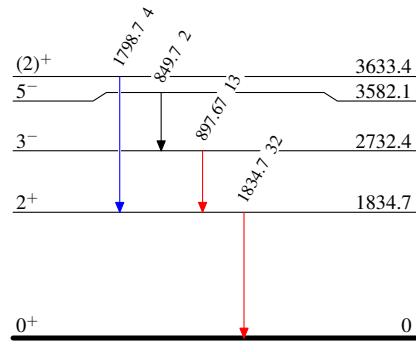
^x γ ray not placed in level scheme.

$^{89}\text{Y}(\mu^-, \text{n}\gamma)$ **1970Ke20**Level Scheme

Intensities: Type not specified

Legend

- $I_\gamma < 2\% \times I_\gamma^{max}$
- $I_\gamma < 10\% \times I_\gamma^{max}$
- $I_\gamma > 10\% \times I_\gamma^{max}$

 $^{88}_{38}\text{Sr}_{50}$