

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

<u>E(level)[†]</u>	<u>J^π[‡]</u>
0	0 ⁺
1834.7 4	2 ⁺
2732.4 5	3 ⁻
3582.1 8	5 ⁻
3633.4 8	(2) ⁺

[†] From a least-squares fit to E_γ by the evaluators.

[‡] 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.

<u>E_γ</u>	<u>I_γ</u>	<u>$E_i(\text{level})$</u>	<u>J_i^π</u>	<u>E_f</u>	<u>J_f^π</u>
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 ⁺

[†] Assignment to ^{88}Sr uncertain.

[‡] Not assigned to ^{88}Sr by 1970Ke20 but γ is known from other experiments.

^x γ ray not placed in level scheme.

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

Intensities: Type not specified

Legend

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

