

**<sup>241</sup>Am(n,γ):resonances 0-149 eV 2015No03**

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	M. J. Martin, C. D. Nesaraja		NDS 186, 261 (2022)	31-Dec-2021

The evaluators have made use of the XUNDL dataset compiled by B. Singh (McMaster), July 9, 2015.  
 E(n)=0-148.8 eV: analyzed and evaluated resonance data from time-of-flight cross section measurements carried out at GELINA, LANSCE, ORELA and Saclay facilities. Optical model calculations. Parameters of resolved resonances were deduced from resonance shape analysis of transmissions, capture yields, and fission yields using REFIT computer code.  
 $J^\pi(^{241}\text{Am g.s.})=5/2^-$ .  
 $S(n)(^{242}\text{Am})=5537.64$  10 (2021Wa16).

<sup>242</sup>Am Levels

$\Gamma(f_c)$ =partial width for single channel; see formulation and details in 2015No03.

E(level) <sup>†</sup>	J <sup>π</sup> <sup>‡</sup>	$\Gamma_n$ (eV)	Comments
S(n)-0.000421	3 <sup>-</sup>	173×10 <sup>-6</sup> eV	$\Gamma_\gamma=43.3$ meV. $\Gamma(f_c)=0.063$ meV.
S(n)-0.000378	2 <sup>-</sup>	528×10 <sup>-6</sup> eV	$\Gamma_\gamma=43.3$ meV. $\Gamma(f_c)=0.225$ meV.
S(n)-0.000363	2 <sup>-</sup>		
S(n)+0.000306 1	3 <sup>-</sup>	63×10 <sup>-6</sup> eV 2	$\Gamma_\gamma=40.7$ meV 3. $\Gamma(f_c)=0.212$ meV 9.
S(n)+0.000574 1	2 <sup>-</sup>	148×10 <sup>-6</sup> eV 5	$\Gamma_\gamma=39.6$ meV 7. $\Gamma(f_c)=0.080$ meV 3.
S(n)+0.001270 2	3 <sup>-</sup>	375×10 <sup>-6</sup> eV 12	$\Gamma_\gamma=41.3$ meV 8. $\Gamma(f_c)=0.269$ meV 8.
S(n)+0.001919 3	3 <sup>-</sup>	124×10 <sup>-6</sup> eV 5	$\Gamma_\gamma=40.6$ meV 8. $\Gamma(f_c)=0.046$ meV 3.
S(n)+0.002362 4	2 <sup>-</sup>	110×10 <sup>-6</sup> eV 4	$\Gamma_\gamma=42.1$ meV 8. $\Gamma(f_c)=0.138$ meV 7.
S(n)+0.002586 4	3 <sup>-</sup>	163×10 <sup>-6</sup> eV 6	$\Gamma_\gamma=43.3$ meV 6. $\Gamma(f_c)=0.122$ meV 6.
S(n)+0.003964 4	2 <sup>-</sup>	314×10 <sup>-6</sup> eV 11	$\Gamma_\gamma=43.2$ meV 8. $\Gamma(f_c)=0.119$ meV 6.
S(n)+0.004957 6	3 <sup>-</sup>	185×10 <sup>-6</sup> eV 6	$\Gamma_\gamma=42.9$ meV 17. $\Gamma(f_c)=0.319$ meV 15.
S(n)+0.005404 7	2 <sup>-</sup>	1140×10 <sup>-6</sup> eV 30	$\Gamma_\gamma=43.7$ meV 19. $\Gamma(f_c)=0.488$ meV 21.
S(n)+0.006102 9	3 <sup>-</sup>	131×10 <sup>-6</sup> eV 4	$\Gamma_\gamma=43.3$ meV 11. $\Gamma(f_c)=0.282$ meV 14.
S(n)+0.006725 10	3 <sup>-</sup>	30×10 <sup>-6</sup> eV 1	$\Gamma_\gamma=43.3$ meV 11. $\Gamma(f_c)=0.111$ meV 7.
S(n)+0.007642 12	2 <sup>-</sup>	57×10 <sup>-6</sup> eV 2	$\Gamma_\gamma=43.3$ meV 11. $\Gamma(f_c)=0.062$ meV 4.
S(n)+0.008149 12	3 <sup>-</sup>	115×10 <sup>-6</sup> eV 4	$\Gamma_\gamma=43.3$ meV 11. $\Gamma(f_c)=0.102$ meV 5.
S(n)+0.009099 10	2 <sup>-</sup>	571×10 <sup>-6</sup> eV 20	$\Gamma_\gamma=46.2$ meV 27. $\Gamma(f_c)=0.165$ meV 8.
S(n)+0.009834 11	3 <sup>-</sup>	426×10 <sup>-6</sup> eV 15	$\Gamma_\gamma=47.2$ meV 30. $\Gamma(f_c)=0.862$ meV 34.
S(n)+0.010101 15	2 <sup>-</sup>	38×10 <sup>-6</sup> eV 2	$\Gamma_\gamma=43.3$ meV 11. $\Gamma(f_c)=0.149$ meV 16.
S(n)+0.010385 12	3 <sup>-</sup>	345×10 <sup>-6</sup> eV 12	$\Gamma_\gamma=46.4$ meV 33. $\Gamma(f_c)=0.057$ meV 3.
S(n)+0.010978 13	2 <sup>-</sup>	594×10 <sup>-6</sup> eV 21	$\Gamma_\gamma=47.0$ meV 34. $\Gamma(f_c)=0.099$ meV 5.
S(n)+0.011577 27	3 <sup>-</sup>	19×10 <sup>-6</sup> eV 2	$\Gamma_\gamma=43.3$ meV 11. $\Gamma(f_c)=0.214$ meV 18.
S(n)+0.012124 28	3 <sup>-</sup>	9×10 <sup>-6</sup> eV 2	$\Gamma_\gamma=43.3$ meV 11. $\Gamma(f_c)=0.080$ meV 8.
S(n)+0.012859 32	2 <sup>-</sup>	195×10 <sup>-6</sup> eV 8	$\Gamma_\gamma=43.3$ meV 11. $\Gamma(f_c)=0.049$ meV 4.
S(n)+0.013848 21	3 <sup>-</sup>	14×10 <sup>-6</sup> eV 3	$\Gamma_\gamma=43.3$ meV 11. $\Gamma(f_c)=0.059$ meV 5.
S(n)+0.014337 22	2 <sup>-</sup>	99×10 <sup>-6</sup> eV 19	$\Gamma_\gamma=43.3$ meV 11. $\Gamma(f_c)=0.067$ meV 5.
S(n)+0.014657 19	3 <sup>-</sup>	246×10 <sup>-5</sup> eV 10	$\Gamma_\gamma=42.2$ meV 27. $\Gamma(f_c)=0.222$ meV 14.
S(n)+0.015668 24	2 <sup>-</sup>	354×10 <sup>-6</sup> eV 13	$\Gamma_\gamma=43.3$ meV 11. $\Gamma(f_c)=0.104$ meV 8.
S(n)+0.016363 23	3 <sup>-</sup>	1300×10 <sup>-6</sup> eV 56	$\Gamma_\gamma=43.3$ meV 11. $\Gamma(f_c)=0.093$ meV 7.
S(n)+0.016824 24	2 <sup>-</sup>	932×10 <sup>-6</sup> eV 34	$\Gamma_\gamma=43.3$ meV 11. $\Gamma(f_c)=0.256$ meV 18.
S(n)+0.017701 27	3 <sup>-</sup>	408×10 <sup>-6</sup> eV 15	$\Gamma_\gamma=43.3$ meV 11. $\Gamma(f_c)=0.256$ meV 18.
S(n)+0.018137 27	2 <sup>-</sup>	31×10 <sup>-6</sup> eV 6	$\Gamma_\gamma=43.3$ meV 11. $\Gamma(f_c)=0.115$ meV 10.
S(n)+0.019410 49	3 <sup>-</sup>	220×10 <sup>-6</sup> eV 11	$\Gamma_\gamma=43.3$ meV 11. $\Gamma(f_c)=0.264$ meV 14.
S(n)+0.020293 47	3 <sup>-</sup>	33×10 <sup>-6</sup> eV 6	$\Gamma_\gamma=43.3$ meV 11. $\Gamma(f_c)=0.193$ meV 14.
S(n)+0.020843 53	2 <sup>-</sup>	123×10 <sup>-6</sup> eV 10	$\Gamma_\gamma=43.3$ meV 11. $\Gamma(f_c)=0.226$ meV 13.
S(n)+0.021717 56	3 <sup>-</sup>	93×10 <sup>-6</sup> eV 6	$\Gamma_\gamma=43.3$ meV 11. $\Gamma(f_c)=0.208$ meV 13.
S(n)+0.022709 53	3 <sup>-</sup>	82×10 <sup>-6</sup> eV 10	$\Gamma_\gamma=43.3$ meV 11. $\Gamma(f_c)=0.155$ meV 11.
S(n)+0.023035 59	2 <sup>-</sup>	609×10 <sup>-6</sup> eV 25	$\Gamma_\gamma=43.3$ meV 11. $\Gamma(f_c)=0.252$ meV 12.
S(n)+0.023289 61	3 <sup>-</sup>	462×10 <sup>-6</sup> eV 21	$\Gamma_\gamma=43.3$ meV 11. $\Gamma(f_c)=0.125$ meV 7.

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$^{241}\text{Am}(n,\gamma)$ :resonances 0-149 eV **2015No03** (continued) $^{242}\text{Am}$  Levels (continued)

E(level) <sup>†</sup>	J <sup>π‡</sup>	Γ <sub>n</sub> (eV)	Comments
S(n)+0.024144 25	3 <sup>-</sup>	1321×10 <sup>-6</sup> eV 52	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.140 meV 7.
S(n)+0.025584 28	3 <sup>-</sup>	1289×10 <sup>-6</sup> eV 51	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.321 meV 16.
S(n)+0.026446 30	2 <sup>-</sup>	756×10 <sup>-6</sup> eV 68	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.064 meV 5.
S(n)+0.026626 40	3 <sup>-</sup>	204×10 <sup>-6</sup> eV 43	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.175 meV 10.
S(n)+0.027557 43	2 <sup>-</sup>	357×10 <sup>-6</sup> eV 43	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.613 meV 42.
S(n)+0.027694 43	3 <sup>-</sup>	377×10 <sup>-6</sup> eV 19	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.159 meV 8.
S(n)+0.028302 44	2 <sup>-</sup>	803×10 <sup>-6</sup> eV 24	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.113 meV 7.
S(n)+0.028846 45	3 <sup>-</sup>	457×10 <sup>-6</sup> eV 14	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.168 meV 10.
S(n)+0.029448 46	3 <sup>-</sup>	690×10 <sup>-6</sup> eV 20	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.102 meV 6.
S(n)+0.029869 46	2 <sup>-</sup>	90×10 <sup>-6</sup> eV 5	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.304 meV 22.
S(n)+0.030784 48	3 <sup>-</sup>	198×10 <sup>-6</sup> eV 15	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.360 meV 24.
S(n)+0.030985 48	2 <sup>-</sup>	487×10 <sup>-6</sup> eV 27	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.305 meV 19.
S(n)+0.031194 9	3 <sup>-</sup>	952×10 <sup>-6</sup> eV 28	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.207 meV 11.
S(n)+0.031967 51	2 <sup>-</sup>	431×10 <sup>-6</sup> eV 15	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.250 meV 15.
S(n)+0.033511 52	3 <sup>-</sup>	64×10 <sup>-6</sup> eV 6	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.101 meV 8.
S(n)+0.033970 51	2 <sup>-</sup>	864×10 <sup>-6</sup> eV 31	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.021 meV 2.
S(n)+0.034404 53	3 <sup>-</sup>	135×10 <sup>-6</sup> eV 9	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.561 meV 36.
S(n)+0.034869 53	2 <sup>-</sup>	854×10 <sup>-6</sup> eV 30	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.161 meV 10.
S(n)+0.035423 53	3 <sup>-</sup>	410×10 <sup>-6</sup> eV 16	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.144 meV 10.
S(n)+0.036228 55	3 <sup>-</sup>	189×10 <sup>-6</sup> eV 20	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.142 meV 11.
S(n)+0.036513 55	2 <sup>-</sup>	168×10 <sup>-6</sup> eV 16	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.168 meV 11.
S(n)+0.036919 48	3 <sup>-</sup>	3162×10 <sup>-6</sup> eV 99	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.429 meV 22.
S(n)+0.037844 57	3 <sup>-</sup>	44×10 <sup>-6</sup> eV 9	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.417 meV 34.
S(n)+0.038305 50	2 <sup>-</sup>	3039×10 <sup>-6</sup> eV 95	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.305 meV 16.
S(n)+0.038681 58	3 <sup>-</sup>	56×10 <sup>-6</sup> eV 12	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.365 meV 24.
S(n)+0.039550 60	3 <sup>-</sup>	1269×10 <sup>-6</sup> eV 46	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.315 meV 17.
S(n)+0.039834 62	2 <sup>-</sup>	137×10 <sup>-6</sup> eV 42	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.604 meV 41.
S(n)+0.040036 62	2 <sup>-</sup>	694×10 <sup>-6</sup> eV 45	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.606 meV 36.
S(n)+0.040344 62	3 <sup>-</sup>	855×10 <sup>-6</sup> eV 37	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.079 meV 5.
S(n)+0.041267 64	2 <sup>-</sup>	136×10 <sup>-6</sup> eV 14	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.461 meV 32.
S(n)+0.041726 63	3 <sup>-</sup>	365×10 <sup>-6</sup> eV 16	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.111 meV 8.
S(n)+0.042072 65	2 <sup>-</sup>	235×10 <sup>-6</sup> eV 13	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.217 meV 15.
S(n)+0.043227 67	3 <sup>-</sup>	903×10 <sup>-6</sup> eV 33	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.093 meV 6.
S(n)+0.043524 67	2 <sup>-</sup>	791×10 <sup>-6</sup> eV 35	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.222 meV 14.
S(n)+0.044356 69	3 <sup>-</sup>	167×10 <sup>-6</sup> eV 10	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.200 meV 14.
S(n)+0.044873 69	3 <sup>-</sup>	122×10 <sup>-6</sup> eV 8	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.148 meV 11.
S(n)+0.04600 11	2 <sup>-</sup>	933×10 <sup>-6</sup> eV 67	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.083 meV 6.
S(n)+0.04650 11	3 <sup>-</sup>	392×10 <sup>-6</sup> eV 62	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.108 meV 8.
S(n)+0.04744 12	2 <sup>-</sup>	133×10 <sup>-5</sup> eV 16	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.305 meV 19.
S(n)+0.04773 11	2 <sup>-</sup>	87×10 <sup>-6</sup> eV 24	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.626 meV 47.
S(n)+0.048701 42	3 <sup>-</sup>	707×10 <sup>-6</sup> eV 31	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.141 meV 17.
S(n)+0.049262 44	3 <sup>-</sup>	221×10 <sup>-6</sup> eV 14	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.371 meV 53.
S(n)+0.049841 77	2 <sup>-</sup>	91×10 <sup>-6</sup> eV 23	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.37 meV 12.
S(n)+0.050218 44	2 <sup>-</sup>	327×10 <sup>-5</sup> eV 13	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.304 meV 19.
S(n)+0.050790 43	3 <sup>-</sup>	420×10 <sup>-6</sup> eV 22	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.213 meV 34.
S(n)+0.051920 58	2 <sup>-</sup>	1950×10 <sup>-6</sup> eV 83	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.212 meV 15.
S(n)+0.052296 39	3 <sup>-</sup>	48×10 <sup>-6</sup> eV 17	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.60 meV 13.
S(n)+0.052933 39	3 <sup>-</sup>	216×10 <sup>-6</sup> eV 19	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.080 meV 36.
S(n)+0.053399 40	2 <sup>-</sup>	299×10 <sup>-6</sup> eV 27	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.155 meV 42.
S(n)+0.054308 40	3 <sup>-</sup>	139×10 <sup>-6</sup> eV 19	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.099 meV 30.
S(n)+0.054765 41	3 <sup>-</sup>	36×10 <sup>-5</sup> eV 11	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.200 meV 19.
S(n)+0.054960 65	2 <sup>-</sup>	143×10 <sup>-5</sup> eV 15	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.291 meV 21.
S(n)+0.055503 41	3 <sup>-</sup>	243×10 <sup>-6</sup> eV 25	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.264 meV 41.

$^{241}\text{Am}(n,\gamma)$ :resonances 0-149 eV 2015No03 (continued) $^{242}\text{Am}$  Levels (continued)

<u>E(level)<sup>†</sup></u>	<u>J<sup>π</sup><sup>‡</sup></u>	<u>Γ<sub>n</sub> (eV)</u>	<u>Comments</u>
S(n)+0.055869 59	2 <sup>-</sup>	199×10 <sup>-5</sup> eV 20	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.040 meV 3.
S(n)+0.056076 42	3 <sup>-</sup>	922×10 <sup>-6</sup> eV 70	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.213 meV 17.
S(n)+0.056601 42	2 <sup>-</sup>	98×10 <sup>-6</sup> eV 27	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.120 meV 35.

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$^{241}\text{Am}(n,\gamma)$ :resonances 0-149 eV **2015No03** (continued) $^{242}\text{Am}$  Levels (continued)

E(level) <sup>†</sup>	J <sup>π</sup> <sup>‡</sup>	Γ <sub>n</sub> (eV)	Comments
S(n)+0.057230 87	3 <sup>-</sup>	330×10 <sup>-5</sup> eV 18	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.119 meV 9.
S(n)+0.057413 89	2 <sup>-</sup>	70×10 <sup>-5</sup> eV 22	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=1.187 meV 87.
S(n)+0.058100 90	3 <sup>-</sup>	57×10 <sup>-6</sup> eV 11	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.35 meV 11.
S(n)+0.058943 83	2 <sup>-</sup>	678×10 <sup>-6</sup> eV 32	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.305 meV 34.
S(n)+0.059913 90	3 <sup>-</sup>	260×10 <sup>-6</sup> eV 17	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.090 meV 33.
S(n)+0.060262 93	2 <sup>-</sup>	154×10 <sup>-6</sup> eV 15	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.080 meV 31.
S(n)+0.061129 91	3 <sup>-</sup>	1571×10 <sup>-6</sup> eV 78	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.239 meV 19.
S(n)+0.061471 95	2 <sup>-</sup>	666×10 <sup>-6</sup> eV 55	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.626 meV 47.
S(n)+0.061787 96	3 <sup>-</sup>	22×10 <sup>-6</sup> eV 4	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.250 meV 99.
S(n)+0.062426 86	3 <sup>-</sup>	210×10 <sup>-6</sup> eV 18	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.265 meV 61.
S(n)+0.063391 98	3 <sup>-</sup>	135×10 <sup>-6</sup> eV 12	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.091 meV 41.
S(n)+0.063945 99	2 <sup>-</sup>	573×10 <sup>-5</sup> eV 28	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.293 meV 21.
S(n)+0.06445 10	3 <sup>-</sup>	198×10 <sup>-5</sup> eV 11	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.201 meV 16.
S(n)+0.06507 10	2 <sup>-</sup>	711×10 <sup>-5</sup> eV 33	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.492 meV 35.
S(n)+0.06564 10	3 <sup>-</sup>	1165×10 <sup>-6</sup> eV 58	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.398 meV 33.
S(n)+0.06622 10	2 <sup>-</sup>	1376×10 <sup>-6</sup> eV 72	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.297 meV 26.
S(n)+0.06679 10	3 <sup>-</sup>	1827×10 <sup>-6</sup> eV 92	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.168 meV 15.
S(n)+0.06841 10	2 <sup>-</sup>	672×10 <sup>-6</sup> eV 39	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.609 meV 59.
S(n)+0.06949 11	3 <sup>-</sup>	1246×10 <sup>-6</sup> eV 79	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.070 meV 10.
S(n)+0.06973 11	2 <sup>-</sup>	365×10 <sup>-5</sup> eV 21	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.180 meV 15.
S(n)+0.07132 11	3 <sup>-</sup>	631×10 <sup>-6</sup> eV 97	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.124 meV 27.
S(n)+0.07136 11	2 <sup>-</sup>	164×10 <sup>-5</sup> eV 12	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.306 meV 25.
S(n)+0.07174 11	3 <sup>-</sup>	1071×10 <sup>-6</sup> eV 66	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.254 meV 23.
S(n)+0.07222 11	3 <sup>-</sup>	286×10 <sup>-6</sup> eV 43	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.206 meV 53.
S(n)+0.07444 17	2 <sup>-</sup>	208×10 <sup>-6</sup> eV 19	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.120 meV 42.
S(n)+0.07487 17	2 <sup>-</sup>	735×10 <sup>-6</sup> eV 46	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.221 meV 29.
S(n)+0.07556 18	3 <sup>-</sup>	410×10 <sup>-6</sup> eV 42	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.080 meV 29.
S(n)+0.07582 17	2 <sup>-</sup>	833×10 <sup>-6</sup> eV 66	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.185 meV 21.
S(n)+0.07648 18	3 <sup>-</sup>	119×10 <sup>-6</sup> eV 12	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.299 meV 84.
S(n)+0.07685 18	3 <sup>-</sup>	109×10 <sup>-6</sup> eV 12	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.579 meV 85.
S(n)+0.07807 17	2 <sup>-</sup>	232×10 <sup>-5</sup> eV 12	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.125 meV 14.
S(n)+0.07844 17	3 <sup>-</sup>	1089×10 <sup>-6</sup> eV 60	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.197 meV 21.
S(n)+0.07942 18	3 <sup>-</sup>	761×10 <sup>-6</sup> eV 46	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.250 meV 32.
S(n)+0.07992 19	2 <sup>-</sup>	845×10 <sup>-6</sup> eV 83	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.264 meV 25.
S(n)+0.08027 18	3 <sup>-</sup>	634×10 <sup>-6</sup> eV 49	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.41 meV 11.
S(n)+0.08102 19	2 <sup>-</sup>	336×10 <sup>-6</sup> eV 32	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.191 meV 58.
S(n)+0.08135 18	3 <sup>-</sup>	901×10 <sup>-6</sup> eV 53	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.154 meV 16.
S(n)+0.08196 18	2 <sup>-</sup>	217×10 <sup>-5</sup> eV 12	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.278 meV 28.
S(n)+0.08276 19	3 <sup>-</sup>	486×10 <sup>-6</sup> eV 31	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.202 meV 57.
S(n)+0.08323 19	2 <sup>-</sup>	690×10 <sup>-6</sup> eV 48	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.188 meV 18.
S(n)+0.08383 19	3 <sup>-</sup>	111×10 <sup>-5</sup> eV 11	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.099 meV 18.
S(n)+0.08403 20	2 <sup>-</sup>	53×10 <sup>-5</sup> eV 16	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.140 meV 13.
S(n)+0.08455 19	3 <sup>-</sup>	217×10 <sup>-5</sup> eV 12	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.410 meV 38.
S(n)+0.08540 20	3 <sup>-</sup>	50×10 <sup>-6</sup> eV 15	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.50 meV 22.
S(n)+0.08646 20	2 <sup>-</sup>	376×10 <sup>-6</sup> eV 34	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.386 meV 90.
S(n)+0.08736 20	3 <sup>-</sup>	206×10 <sup>-6</sup> eV 22	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.060 meV 27.
S(n)+0.08784 20	2 <sup>-</sup>	510×10 <sup>-5</sup> eV 30	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.522 meV 47.
S(n)+0.08817 21	3 <sup>-</sup>	238×10 <sup>-6</sup> eV 47	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.495 meV 98.
S(n)+0.08922 21	3 <sup>-</sup>	612×10 <sup>-6</sup> eV 95	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.170 meV 29.
S(n)+0.08948 21	2 <sup>-</sup>	272×10 <sup>-5</sup> eV 19	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.201 meV 21.
S(n)+0.09193 21	3 <sup>-</sup>	156×10 <sup>-6</sup> eV 22	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.25 meV 11.
S(n)+0.09326 22	3 <sup>-</sup>	611×10 <sup>-5</sup> eV 38	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.128 meV 13.
S(n)+0.09445 22	2 <sup>-</sup>	1154e-6 eV 90	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.204 meV 36.

$^{241}\text{Am}(n,\gamma)$ :resonances 0-149 eV 2015No03 (continued) $^{242}\text{Am}$  Levels (continued)

<u>E(level)<sup>†</sup></u>	<u>J<sup>π</sup><sup>‡</sup></u>	<u>Γ<sub>n</sub> (eV)</u>	<u>Comments</u>
S(n)+0.09526 22	3 <sup>-</sup>	608×10 <sup>-6</sup> eV 93	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.131 meV 28.
S(n)+0.09556 22	2 <sup>-</sup>	389×10 <sup>-5</sup> eV 26	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.120 meV 13.
S(n)+0.09597 22	3 <sup>-</sup>	299×10 <sup>-5</sup> eV 19	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.156 meV 16.

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$^{241}\text{Am}(n,\gamma)$ :resonances 0-149 eV **2015No03** (continued) $^{242}\text{Am}$  Levels (continued)

E(level) <sup>†</sup>	J <sup>π‡</sup>	Γ <sub>n</sub> (eV)	Comments
S(n)+0.09633 22	2 <sup>-</sup>	375×10 <sup>-5</sup> eV 27	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.236 meV 25.
S(n)+0.09727 23	3 <sup>-</sup>	424×10 <sup>-6</sup> eV 39	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.294 meV 65.
S(n)+0.09817 23	3 <sup>-</sup>	380×10 <sup>-6</sup> eV 34	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.110 meV 57.
S(n)+0.09998 23	2 <sup>-</sup>	168×10 <sup>-5</sup> eV 12	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.140 meV 77.
S(n)+0.10142 23	3 <sup>-</sup>	292×10 <sup>-5</sup> eV 19	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.166 meV 20.
S(n)+0.10236 24	2 <sup>-</sup>	415×10 <sup>-6</sup> eV 65	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.218 meV 70.
S(n)+0.10302 23	3 <sup>-</sup>	698×10 <sup>-5</sup> eV 48	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.260 meV 27.
S(n)+0.10460 24	3 <sup>-</sup>	223×10 <sup>-5</sup> eV 15	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.157 meV 25.
S(n)+0.10596 25	2 <sup>-</sup>	1028×10 <sup>-5</sup> eV 74	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.316 meV 34.
S(n)+0.10624 25	3 <sup>-</sup>	311×10 <sup>-5</sup> eV 31	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.482 meV 53.
S(n)+0.10742 25	2 <sup>-</sup>	287×10 <sup>-5</sup> eV 21	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.154 meV 20.
S(n)+0.10784 25	2 <sup>-</sup>	225×10 <sup>-6</sup> eV 58	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.176 meV 75.
S(n)+0.10905 25	3 <sup>-</sup>	121×10 <sup>-6</sup> eV 36	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.050 meV 22.
S(n)+0.10963 26	3 <sup>-</sup>	346×10 <sup>-5</sup> eV 31	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.282 meV 31.
S(n)+0.10990 26	2 <sup>-</sup>	448×10 <sup>-5</sup> eV 38	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.344 meV 40.
S(n)+0.11106 26	3 <sup>-</sup>	601×10 <sup>-6</sup> eV 77	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.268 meV 55.
S(n)+0.11143 26	2 <sup>-</sup>	653×10 <sup>-5</sup> eV 48	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.145 meV 16.
S(n)+0.11198 26	3 <sup>-</sup>	171×10 <sup>-6</sup> eV 63	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.29 meV 12.
S(n)+0.11256 26	3 <sup>-</sup>	366×10 <sup>-6</sup> eV 44	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.402 meV 85.
S(n)+0.11302 26	2 <sup>-</sup>	497×10 <sup>-6</sup> eV 93	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.174 meV 91.
S(n)+0.11369 27	3 <sup>-</sup>	174×10 <sup>-5</sup> eV 13	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.123 meV 19.
S(n)+0.11438 27	2 <sup>-</sup>	182×10 <sup>-6</sup> eV 54	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.40 meV 14.
S(n)+0.11487 27	3 <sup>-</sup>	173×10 <sup>-5</sup> eV 14	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.248 meV 31.
S(n)+0.11554 27	2 <sup>-</sup>	97×10 <sup>-5</sup> eV 12	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.122 meV 29.
S(n)+0.11618 27	3 <sup>-</sup>	277×10 <sup>-5</sup> eV 21	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.185 meV 25.
S(n)+0.118300 89	3 <sup>-</sup>	778×10 <sup>-6</sup> eV 77	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.296 meV 66.
S(n)+0.119600 89	3 <sup>-</sup>	212×10 <sup>-5</sup> eV 19	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.079 meV 13.
S(n)+0.119900 89	3 <sup>-</sup>	195×10 <sup>-5</sup> eV 20	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.179 meV 27.
S(n)+0.12175 28	2 <sup>-</sup>	451×10 <sup>-5</sup> eV 37	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.030 meV 15.
S(n)+0.12238 28	3 <sup>-</sup>	245×10 <sup>-5</sup> eV 26	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.070 meV 29.
S(n)+0.12249 28	2 <sup>-</sup>	185×10 <sup>-5</sup> eV 31	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.045 meV 24.
S(n)+0.12296 29	2 <sup>-</sup>	266×10 <sup>-5</sup> eV 32	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.108 meV 44.
S(n)+0.12314 29	3 <sup>-</sup>	181×10 <sup>-5</sup> eV 21	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.440 meV 75.
S(n)+0.12465 22	2 <sup>-</sup>	228×10 <sup>-5</sup> eV 21	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.091 meV 24.
S(n)+0.12520 29	3 <sup>-</sup>	207×10 <sup>-6</sup> eV 71	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.81 meV 12.
S(n)+0.12560 29	3 <sup>-</sup>	856×10 <sup>-6</sup> eV 97	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.201 meV 30.
S(n)+0.12614 23	2 <sup>-</sup>	276×10 <sup>-5</sup> eV 30	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.150 meV 25.
S(n)+0.12714 30	3 <sup>-</sup>	174×10 <sup>-6</sup> eV 44	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.20 meV 12.
S(n)+0.12768 22	2 <sup>-</sup>	231×10 <sup>-5</sup> eV 22	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.194 meV 35.
S(n)+0.12936 30	3 <sup>-</sup>	164×10 <sup>-6</sup> eV 47	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.30 meV 11.
S(n)+0.130470 97	2 <sup>-</sup>	175×10 <sup>-5</sup> eV 17	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.196 meV 31.
S(n)+0.131060 98	3 <sup>-</sup>	293×10 <sup>-5</sup> eV 25	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.153 meV 21.
S(n)+0.131910 98	3 <sup>-</sup>	78×10 <sup>-5</sup> eV 11	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.130 meV 29.
S(n)+0.132490 99	2 <sup>-</sup>	155×10 <sup>-5</sup> eV 18	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.131 meV 23.
S(n)+0.13340 10	3 <sup>-</sup>	183×10 <sup>-5</sup> eV 16	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.210 meV 31.
S(n)+0.13455 10	2 <sup>-</sup>	793×10 <sup>-5</sup> eV 79	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.222 meV 30.
S(n)+0.13482 10	2 <sup>-</sup>	343×10 <sup>-5</sup> eV 70	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.294 meV 40.
S(n)+0.13524 10	3 <sup>-</sup>	311×10 <sup>-5</sup> eV 31	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.203 meV 29.
S(n)+0.13616 10	2 <sup>-</sup>	792×10 <sup>-5</sup> eV 68	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.386 meV 51.
S(n)+0.13683 10	3 <sup>-</sup>	124×10 <sup>-5</sup> eV 16	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.208 meV 29.
S(n)+0.13734 10	2 <sup>-</sup>	213×10 <sup>-5</sup> eV 23	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.072 meV 19.
S(n)+0.13850 10	3 <sup>-</sup>	372×10 <sup>-5</sup> eV 33	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.226 meV 31.
S(n)+0.13967 10	3 <sup>-</sup>	113×10 <sup>-5</sup> eV 15	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.134 meV 28.

$^{241}\text{Am}(n,\gamma)$ :resonances 0-149 eV 2015No03 (continued) $^{242}\text{Am}$  Levels (continued)

<u>E(level)<sup>†</sup></u>	<u>J<sup>π</sup><sup>‡</sup></u>	<u>Γ<sub>n</sub> (eV)</u>	<u>Comments</u>
S(n)+0.14020 10	2 <sup>-</sup>	316×10 <sup>-5</sup> eV 30	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.089 meV 14.
S(n)+0.14084 11	3 <sup>-</sup>	131×10 <sup>-5</sup> eV 28	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.183 meV 26.
S(n)+0.14116 11	2 <sup>-</sup>	855×10 <sup>-5</sup> eV 80	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.166 meV 23.

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$^{241}\text{Am}(n,\gamma)$ :resonances 0-149 eV 2015No03 (continued) $^{242}\text{Am}$  Levels (continued)

E(level) <sup>†</sup>	J <sup>π</sup> <sup>‡</sup>	Γ <sub>n</sub> (eV)	Comments
S(n)+0.14279 11	3 <sup>-</sup>	258×10 <sup>-6</sup> eV 53	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.61 meV 20.
S(n)+0.14457 11	2 <sup>-</sup>	182×10 <sup>-5</sup> eV 19	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.132 meV 25.
S(n)+0.14508 11	3 <sup>-</sup>	294×10 <sup>-6</sup> eV 64	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.060 meV 26.
S(n)+0.14613 11	2 <sup>-</sup>	236×10 <sup>-5</sup> eV 24	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.105 meV 26.
S(n)+0.14769 11	3 <sup>-</sup>	1010×10 <sup>-5</sup> eV 98	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.108 meV 16.
S(n)+0.14798 11	3 <sup>-</sup>	156×10 <sup>-5</sup> eV 40	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.111 meV 17.
S(n)+0.14884 11	3 <sup>-</sup>	397×10 <sup>-5</sup> eV 37	Γ <sub>γ</sub> =43.3 meV 11. Γ(f <sub>c</sub> )=0.317 meV 46.

<sup>†</sup> S(n)( $^{242}\text{Am}$ )+E(n), where E(n) is the resonance energy in the lab system, and S(n)( $^{242}\text{Am}$ )=5537.64 10 (2021Wa16). Only the uncertainty in the neutron resonance energy is listed with the excitation energy.

<sup>‡</sup> Assumed from JEFF-3.1.1 evaluation (2015No03).