

Energy levels and branching ratios [03Br12].

²³⁹Am
95

E^*	$2J^\pi$	$T_{1/2}$ or
[keV]		Γ_{cm}
0	$\langle 5^- \rangle$	11.9(1) h
40.7(7)	$\langle 7^- \rangle$	
94(6)	$\langle 9^- \rangle$	
156(7)	$\langle 11^- \rangle$	
187.1(5)	$\langle 5^+ \rangle$	
220(6)	$\langle 7^+ \rangle$	
260(6)	$\langle 9^+ \rangle$	
317(7)	$\langle 11^+ \rangle$	
≈ 370	$\langle 13^+ \rangle$	
557(6)	$\langle 3^- \rangle$	
586(6)	$\langle 5^- \rangle$	
2500(2)	$\langle 7^+ \rangle$	163(12) ns

Data for this isotope are considered in vol. LB I/18C.

Energy levels and branching ratios [03Br12]. Part 2

²³⁹Am
95

E^*	$2J^\pi$	Branching ratios in percentage	
[keV]		$E_f^*:$ $2J_f^\pi:$	0 $\langle 5^- \rangle$
187.1(5)	$\langle 5^+ \rangle$		40.7 $\langle 7^- \rangle$
			83(21)
			17(5)

Energy levels [90Sh04].

²⁴⁰Am
95

E^*	J^π	σ (d,t)	$n\ell j$	$T_{1/2}$ or	Ref.
[keV]		$\mu\text{b/sr}$		Γ_{cm}	
0	$\langle 3^- \rangle$	165	3- $\langle 5[523]\text{p}+1[631]\text{n} \rangle$	50.8(3) h	76Gr19
41	$\langle 4^- \rangle$	72	3- $\langle 5[523]\text{p}+1[631]\text{n} \rangle$		76Gr19
53	$\langle 2^- \rangle$	125	2- $\langle 5[523]\text{p}-1[631]\text{n} \rangle$		76Gr19
87	$\langle 3^- \rangle$	65	2- $\langle 5[523]\text{p}-1[631]\text{n} \rangle$		76Gr19
96	$\langle 5^- \rangle$	30	3- $\langle 5[523]\text{p}+1[631]\text{n} \rangle$		76Gr19
130	$\langle 4^- \rangle$	30	2- $\langle 5[523]\text{p}-1[631]\text{n} \rangle$		76Gr19
158	$\langle 6^- \rangle$	19	3- $\langle 5[523]\text{p}+1[631]\text{n} \rangle$		76Gr19
186	$\langle 5^- \rangle$	29	2- $\langle 5[523]\text{p}-1[631]\text{n} \rangle$		76Gr19
213		4			76Gr19
233	$\langle 7^- \rangle$	5	3- $\langle 5[523]\text{p}+1[631]\text{n} \rangle$		76Gr19
252	$\langle 6^- \rangle$	20	2- $\langle 5[523]\text{p}-1[631]\text{n} \rangle$		76Gr19
281		6			76Gr19
316	$\langle 8^- \rangle$	3	3- $\langle 5[523]\text{p}+1[631]\text{n} \rangle$		76Gr19

(continued)

²⁴⁰Am
95

E^*	J^π	σ (d,t)	$n\ell j$	$T_{1/2}$ or	Ref.
[keV]		$\mu\text{b/sr}$		Γ_{cm}	
329	$\langle 7^- \rangle$	6	$2^-\langle 5[523]\text{p}-1[631]\text{n} \rangle$		76Gr19
346	$\langle 1^- \rangle$	6			76Gr19
398	$\langle 3^- \rangle$	22			76Gr19
398	$\langle 5^- \rangle$	incl			76Gr19
423	$\langle 2^- \rangle$	9			76Gr19
458	$\langle 6^- \rangle$	13			76Gr19
474		9			76Gr19
498	$\langle 4^- \rangle$	20			76Gr19
498	$\langle 5^- \rangle$	incl			76Gr19
534	$\langle 7^- \rangle$	10			76Gr19
551		7			76Gr19
616	$\langle 6^- \rangle$	6			76Gr19
640	$\langle 7^- \rangle$	4			76Gr19
660		7			76Gr19
757		93			76Gr19
777		59			76Gr19
809		24			76Gr19
819		34			76Gr19
845		8			76Gr19
856		35			76Gr19
877		55			76Gr19
898		28			76Gr19
917		30			76Gr19
932		53			76Gr19
956		26			76Gr19
973	$\langle 3^+ \rangle$	211			76Gr19
997		38			76Gr19
1016	$\langle 2^+ \rangle$	155			76Gr19
1016	$\langle 4^+ \rangle$	incl			76Gr19
1052	$\langle 3^+ \rangle$	27			76Gr19
1066		37			76Gr19
1079		32			76Gr19
1194		8			76Gr19
1218		10			76Gr19
1235		30			76Gr19
1248		27			76Gr19
1305		27			76Gr19
1318		9			76Gr19
1335		16			76Gr19
1349		11			76Gr19
1372		33			76Gr19
1386		30			76Gr19
1407		15			76Gr19
1437		20			76Gr19
1495		14			76Gr19

(continued)

²⁴⁰₉₅Am

E^*	J^π	σ (d,t)	$n\ell j$	$T_{1/2}$ or	Ref.
[keV]		$\mu\text{b/sr}$		Γ_{cm}	
1515		44			76Gr19
1545		13			76Gr19
3000(200)				0.942(38) ms	

Cross section (d,t) measured at 120° [76Gr19], see also data for 60° and 90° there.

Data for this isotope are considered in vol. LB I/18C.

Energy levels and branching ratios [94Ak06, 05Ma88].

²⁴¹₉₅Am

E^*	$2J^\pi$	L	σ (p,t)	S_{N}	S_{N}	σ (α ,t)	$n\ell j$	$T_{1/2}$ or	Ref.
[keV]		(p,t)	$\mu\text{b/sr}$	(p,t)	(α ,t)	$\mu\text{b/sr}$		Γ_{cm}	
0.0	5 ⁻	0	245(20)	3.05				432.2(7) yr	74Fr01
41.176(3)	7 ⁻	2	46(5)						74Fr01
93.70(10)	9 ⁻	2,4	28.0(45)		0.66(5)	20.0(15)	5-[523]		67Le24
157.5(2)	11 ⁻	4	13(3)		0.03(1)	2.2(3)	5-[523]		74Fr01
205.88(1)	5 ⁺								05Ma88
233.7(2)	13 ⁻	4	4(1)						74Fr01
235.2(5)	7 ⁺				0.04(2)	1.0(6)	5+[642]		75Er01
239(2)									05Ma88
273.2(5)	9 ⁺				0.07(1)	4.2(6)	5+[642]		75Er01
319.8(10)	11 ⁺				0.08(2)	2.1(4)	5+[642]		75Er01
319.8(2)	15 ⁻								05Ma88
381.1(5)	13 ⁺				0.35(2)	30.8(15)	5+[642]		75Er01
418.2(2)	17 ⁻								05Ma88
453.1(9)	15 ⁺								05Ma88
459									05Ma88
471.81(1)	3 ⁻				0.11(5)	5.2(7)	3-[521]		75Er01
495									05Ma88
504.45(1)	5 ⁻				0.14(5)	6.6(8)	3-[521]		75Er01
525.7(3)	19 ⁻								05Ma88
530.9(4)	17 ⁺								05Ma88
543									05Ma88
550.4(4)	7 ⁻				0.60(5)	53(3)	3-[521]		75Er01
623.10(4)	1 ⁺ , 3 ⁺					7.4(8)	1+[400]		75Er01
625.2(5)	9 ⁻								05Ma88
629.8(7)	19 ⁺								05Ma88
636.86(1)	3 ⁻								05Ma88
645.0(3)	21 ⁻								05Ma88
652.09(1)	(1) ⁻								05Ma88
653.23(4)	3 ⁺					6.0(7)	1+[400]		75Er01
670.24(8)	3 ⁺								05Ma88
682.1(6)	11 ⁻					7.5(8)	3-[521]		75Er01

(continued)

²⁴¹₉₅Am

E^*	$2J^\pi$	L	σ (p,t)	S_N	S_N	σ (α ,t)	$n\ell j$	$T_{1/2}$ or	Ref.
[keV]		(p,t)	$\mu\text{b/sr}$	(p,t)	(α ,t)	$\mu\text{b/sr}$		Γ_{cm}	
723.9(4)	21 ⁺								05Ma88
732(4)						2.4(6)	7+[633]		75Er01
773.8(3)	23 ⁻								05Ma88
787.2(6)	13 ⁻								05Ma88
822(4)					0.24(3)	18.9(20)	7+[633]		75Er01
851.3(5)	23 ⁺								05Ma88
863.8(7)	15 ⁻								05Ma88
884(4)						2.7(6)			75Er01
912.7(3)	25 ⁻								05Ma88
952(1)	5 ⁻	0	17.0(25)	0.55					74Fr01
959.4(4)	25 ⁺								05Ma88
982(2)			4(1)						74Fr01
989.1(7)	17 ⁻								05Ma88
1020(4)						3.4(6)			75Er01
1061.7(4)	27 ⁻								05Ma88
1064(4)						3.8(6)			75Er01
1084.6(7)	19 ⁻								05Ma88
1106(4)						8.5(9)			75Er01
1117.6(5)	27 ⁺								05Ma88
1132(5)						4.8(10)			75Er01
1136(3)			2(1)			incl			74Fr01
1163(3)						12.6(10)	7-[514]		75Er01
1219.2(4)	29 ⁻								05Ma88
1227(3)						8.9(9)			75Er01
1230.9(8)	21 ⁻								05Ma88
1235.9(5)	29 ⁺								05Ma88
1345.0(8)	23 ⁻								05Ma88
1387.5(4)	31 ⁻								05Ma88
1426.4(6)	31 ⁺								05Ma88
1510.2(8)	25 ⁻								05Ma88
1550(4)	$\langle 5^- \rangle$	$\langle 0 \rangle$	8(1)	0.35					74Fr01
1551.2(6)	33 ⁺								05Ma88
1562.6(4)	33 ⁻								05Ma88
1642.6(9)	27 ⁻								05Ma88
1749.4(5)	35 ⁻								05Ma88
1775.2(7)	35 ⁺								05Ma88
1826.9(9)	29 ⁻								05Ma88
1903.5(7)	37 ⁺								05Ma88
1940.6(5)	37 ⁻								05Ma88
1975.8(9)	31 ⁻								05Ma88
2145.4(5)	39 ⁻								05Ma88
2161.6(7)	39 ⁺								05Ma88
2178.0(10)	33 ⁻								05Ma88
≈ 2200								1.2(3) μs	05Ma88
2289.7(9)	41 ⁺								05Ma88

(continued)

²⁴¹₉₅Am

E^*	$2J^\pi$	L	σ (p,t)	S_N	S_N	σ (α ,t)	$n\ell j$	$T_{1/2}$ or	Ref.
[keV]		(p,t)	$\mu\text{b/sr}$	(p,t)	(α ,t)	$\mu\text{b/sr}$		Γ_{cm}	
2343.9(10)	35 ⁻								05Ma88
2352.2(6)	41 ⁻								05Ma88
2561.5(11)	37 ⁻								05Ma88
2574.6(8)	43 ⁻								05Ma88
2582.7(9)	43 ⁺								05Ma88
2708.0(10)	45 ⁺								05Ma88
2743.8(11)	39 ⁻								05Ma88
2794.7(8)	45 ⁻								05Ma88
2977.2(12)	41 ⁻								05Ma88
3055.1(9)	47 ⁻								05Ma88
3036.3(10)	47 ⁺								05Ma88
3156.7(11)	49 ⁺								05Ma88
3174.7(12)	43 ⁻								05Ma88
3266.9(9)	49 ⁻								05Ma88
3424.3(13)	45 ⁻								05Ma88
3520.8(12)	51 ⁺								05Ma88
3525.1(10)	51 ⁻								05Ma88
3633.5(13)	53 ⁺								05Ma88
3635.1(13)	47 ⁻								05Ma88
3767.7(11)	53 ⁻								05Ma88
3903.0(14)	$\langle 49^- \rangle$								05Ma88
4034.4(13)	55 ⁺								05Ma88
4043.2(12)	55 ⁻								05Ma88
4122.5(14)	51 ⁻								05Ma88
4137.6(14)	57 ⁺								05Ma88
4294.9(12)	57 ⁻								05Ma88
4575.6(13)	59 ⁻								05Ma88
4577.5(11)	$\langle 59^+ \rangle$								05Ma88
4669.4(14)	64 ⁺								05Ma88
4845.9(13)	61 ⁻								05Ma88
5117.2(14)	63 ⁻								05Ma88
5228.9(15)	65 ⁺								05Ma88
5407.9(14)	65 ⁻								05Ma88
5816.8(16)	$\langle 69^+ \rangle$								05Ma88
5980.9(14)	$\langle 69^- \rangle$								05Ma88
			74Fr01	74Fr01	75Er01	75Er01	75Er01		Ref.

9 bands of levels were shown in the recent compilation [05Ma88].

Data for this isotope are considered in vol. LB I/18C.

Energy levels and branching ratios [94Ak06, 05Ma88]. Part 2

²⁴¹Am
95

E^* [keV]	$2J^\pi$	Branching ratios in percentage								
		$E_f^*:$ $2J_f^\pi:$	0.0 5 ⁻	41.2 7 ⁻	93.6 9 ⁻	206 5 ⁺	472 3 ⁻	504 5 ⁻	623 ⟨1 ⁺ ⟩	637 3 ⁻
41.176(3)	7 ⁻		100							
205.88(1)	5 ⁺		86(5)	14(3)						
235.2(5)	7 ⁺			100						
471.81(1)	3 ⁻		94(5)	5.4(3)		0.53(6)				
504.45(1)	5 ⁻		27(2)	56(4)	3.9(4)	3.6(10)	10(2)			
623.10(4)	1 ⁺ , 3 ⁺		1.7(5)			95(7)	≈3			
636.86(1)	3 ⁻		18(1)	0.17(4)		≈0.5	35(3)	46(3)		
652.09(1)	⟨1⟩ ⁻		6.4(16)				77(7)	3.2(13)	4.8(10)	8.8(5)
653.23(4)	3 ⁺		56(4)			44(6)				
670.24(8)	3 ⁺		87(6)			13(3)				

Energy levels and branching ratios [02Ak06].

²⁴²Am
95

E^* [keV]	J^π	σ (d,t)	σ (d,p)	$T_{1/2}$ or	Ref.	Branching ratios in percentage				
		$\mu\text{b/sr}$	$\mu\text{b/sr}$	Γ_{cm}		$E_f^*:$ $J_f^\pi:$	0.0 1 ⁻	44.1 0 ⁻	48.6 5 ⁻	52.7 3 ⁻
0.0	1 ⁻	10	3	16.02(2) h	76Gr19					
44.092(3)	0 ⁻					x				
48.60(5)	5 ⁻	92	28	141(2) yr	76Gr19	x				
52.70(4)	3 ⁻	incl	incl			x				
75.82(1)	2 ⁻	25	11		76Gr19	x				
99		6			76Gr19					
114	6 ⁻	59	27		76Gr19					
148	5 ⁻	67	31		76Gr19					
149.69(2)	4 ⁻	incl	incl							99(4)
171		9			76Gr19					
190	7 ⁻	41	29		76Gr19					
197.7(7)										
230.53(1)	1 ⁺							47.7(5)		
244.36(2)	3 ⁻	203	17		76Gr19				41.9(4)	40.4(5)
263	⟨6 ⁻ ⟩	14			76Gr19					
269.90(2)	3 ⁺									
274.33(1)	1 ⁻						61.2(6)	24.2(5)		
283.5(2)										
289.01(8)	4 ⁻	224	27		76Gr19				34(4)	
292.84(4)	2 ⁻	incl	incl							49(5)
296.41(3)	2 ⁻						43(3)			29(2)
307.0(4)										
327.84(5)	3 ⁻	92	<17		76Gr19					47(3)
330.71(3)	3 ⁻									36(3)
341.58(5)	0 ⁺						59(7)			
342	⟨5 ⁻ ⟩	32	10		76Gr19					

(continued)

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E^* [keV]	J^π	σ (d,t) $\mu\text{b/sr}$	σ (d,p) $\mu\text{b/sr}$	$T_{1/2}$ or Γ_{cm}	Ref.	Branching ratios in percentage				
						E_f^* : J_f^π :	0.0 1 ⁻	44.1 0 ⁻	48.6 5 ⁻	52.7 3 ⁻
355.69(6)	$\langle 2 \rangle^+$									
364.70(3)	2^+									
370.4(3)										
372.47(6)	4^-	35	8		76Gr19					26(6)
373.74(4)	4^-	incl	incl							
376.93(3)	$\langle 3 \rangle^+$									
388.18(5)	3^+									
400.53(6)	$\langle 1 \rangle^-$									
405.91(7)	$\langle 4 \rangle^+$									
409	$\langle 6^- \rangle$	20			76Gr19					
417.77(3)	$\langle 4 \rangle^+$									
418.07(6)	$\langle 4 \rangle^+$									
419.14(6)	$\langle 2 \rangle^-$									16(3)
428.8(4)										
434	$\langle 5^- \rangle$	35	7		76Gr19					
442.39(5)	$\langle 5^+ \rangle$									
446.68(7)	$\langle 3 \rangle^-$									
457.15(7)	$\langle 5 \rangle^+$									
464.37(5)	$3^-, 4^-$									
483.67(7)	$\langle 4^- \rangle$								64(3)	
486	$\langle 7^- \rangle$	11			76Gr19					
500	$\langle 6^- \rangle$	26			76Gr19					
502.8(3)		incl								
528.5(6)										
568.22(6)	$\langle 4 \rangle^-$									
581	$\langle 7^- \rangle$	10			76Gr19					
583.6(10)										
608		7			76Gr19					
612.76(7)	2^-									
620.5(4)										
626		4			76Gr19					
629.8(3)										
640.4(3)										
644.5(5)										
651.5(5)										
658		5			76Gr19					
660.8(4)										
664.2(5)										
670.2(7)										
677	$\langle 8^- \rangle$	14			76Gr19					
682.5(3)										
689.5(5)										
697		8			76Gr19					
700.4(5)										
715.5(3)										

(continued)

²⁴²₉₅Am

E^*	J^π	σ (d,t)	σ (d,p)	$T_{1/2}$ or	Ref.	Branching ratios in percentage				
[keV]		$\mu\text{b/sr}$	$\mu\text{b/sr}$	Γ_{cm}		E_f^* : J_f^π :	0.0 1 ⁻	44.1 0 ⁻	48.6 5 ⁻	52.7 3 ⁻
721.5(3)										
724.6(3)										
735.0(5)										
744.9(5)										
759.6(4)										
767.1(3)										
779.8(3)										
790			22		76Gr19					
795.8(4)										
796		3			76Gr19					
802.5(4)										
818.2(3)										
821		6	15		76Gr19					
823.3(3)										
833		12			76Gr19					
846		8			76Gr19					
852.0(3)										
864.7(7)										
874.05(9)	$\langle 2^- \rangle$	26	177		76Gr19					
883.9(4)										
896.7(3)										
902.47(12)	$\langle 3^- \rangle$	23	173		76Gr19					
906.58(10)	$\langle 3^- \rangle$									
916		22	144		76Gr19					
919.6(4)										
930.5(3)										
934.7(4)										
935		40	91		76Gr19					
949.73(10)	$\langle 4^- \rangle$									
951			72		76Gr19					
968.3(3)										
975.0(5)	$\langle 3^+ \rangle$	265	95		76Gr19					
978.4(3)										
994		24	49		76Gr19					
1002.71(10)	$\langle 5^- \rangle$									
1011	$\langle 2^+ \rangle$	170	85		76Gr19					
1012	$\langle 4^+ \rangle$									
1029		61			76Gr19					
1049	$\langle 3^+ \rangle$	59			76Gr19					
1065	$\langle 5^+ \rangle$	14	47		76Gr19					
1073		18			76Gr19					
1088		[15]			76Gr19					
1097	$\langle 4^+ \rangle$	19			76Gr19					
1119		36	28		76Gr19					
1142		11	61		76Gr19					

(continued)

²⁴²₉₅Am

<i>E</i> [*]	<i>J</i> ^π	<i>σ</i> (d,t)	<i>σ</i> (d,p)	<i>T</i> _{1/2} or	Ref.	Branching ratios in percentage				
[keV]		μb/sr	μb/sr	<i>Γ</i> _{cm}		<i>E</i> _f [*] :	0.0	44.1	48.6	52.7
						<i>J</i> _f ^π :	1 [−]	0 [−]	5 [−]	3 [−]
1151										
1162		85			76Gr19					
1170		41	34		76Gr19					
1187		41			76Gr19					
1192										
1199		70			76Gr19					
1210		38			76Gr19					
1227		43			76Gr19					
1243		13			76Gr19					
1262		16			76Gr19					
1287		17			76Gr19					
1300		10			76Gr19					
1325		11			76Gr19					
1343		27			76Gr19					
1362		14			76Gr19					
1380		44			76Gr19					
1406		18			76Gr19					
1417		15			76Gr19					
1443		25			76Gr19					
1455		25			76Gr19					
1467		50			76Gr19					
1482		29			76Gr19					
1507		13			76Gr19					
1519		14			76Gr19					
1562		15			76Gr19					
2200(80)	⟨2 ⁺ ,3 [−] ⟩			14.0(10) ms			x			
		76Gr19			Ref.					

Data for this isotope are considered in vol. LB I/18C.

Energy levels and branching ratios [02Ak06]. Part 2

²⁴²₉₅Am

<i>E</i> [*]	<i>J</i> ^π	Branching ratios in percentage										
[keV]		<i>E</i> _f [*] :	75.8	149.69	230.53	244.36	269.90	274.33	289.01	292.84	296.41	327.84
		<i>J</i> _f ^π :	2 [−]	4 [−]	1 ⁺	3 [−]	3 ⁺	1 [−]	4 [−]	2 [−]	2 [−]	3 [−]
149.69(2)	4 [−]		0.95(calc)									
230.53(1)	1 ⁺		52.3(5)									
244.36(2)	3 [−]		10.2(12)	7.5(8)								
269.90(2)	3 ⁺				x							
274.33(1)	1 [−]		14.6(6)									
289.01(8)	4 [−]		64(3)			≈1.7						
292.84(4)	2 [−]		51(10)			x						
296.41(3)	2 [−]		28(2)			0.2(calc)						

(continued)

 $^{242}_{95}\text{Am}$

E^* [keV]	J^π	Branching ratios in percentage										
		E_f^* : J_f^π :	75.8 2 ⁻	149.69 4 ⁻	230.53 1 ⁺	244.36 3 ⁻	269.90 3 ⁺	274.33 1 ⁻	289.01 4 ⁻	292.84 2 ⁻	296.41 2 ⁻	327.84 3 ⁻
327.84(5)	3 ⁻		34(6)	19(3)						x		
330.71(3)	3 ⁻		25(2)			19(7)		x		19(5)	0.17(calc)	
341.58(5)	0 ⁺				41(6)							
355.69(6)	$\langle 2 \rangle^+$					64(6)				10.4(10)		26(calc)
364.70(3)	2 ⁺				39(12)		61(7)					
372.47(6)	4 ⁻		35(4)	15(6)							19(6)	
373.74(4)	4 ⁻									23(7)		≈ 56
376.93(3)	$\langle 3 \rangle^+$					73.4(7)				26.6(9)		x
388.18(5)	3 ⁺					7(2)			68(calc)	25(calc)		
400.53(6)	$\langle 1 \rangle^-$		76(15)									0.57(calc)
405.91(7)	$\langle 4 \rangle^+$					26(4)						7(3)
417.77(3)	$\langle 4 \rangle^+$						x					
418.07(6)	$\langle 4 \rangle^+$					19(13)			33(12)			47(13)
419.14(6)	$\langle 2 \rangle^-$							16(3)				9(3)
446.68(7)	$\langle 3 \rangle^-$			55(8)								
457.15(7)	$\langle 5 \rangle^+$								17(4)			
464.37(5)	3 ⁻ , 4 ⁻			7.1(16)			77.8(7)		4.9(11)			
483.67(7)	$\langle 4 \rangle^-$			16(4)								
612.76(7)	2 ⁻				26(3)	14(3)				12(3)	20(2)	
874.05(9)	$\langle 2 \rangle^-$					68(3)			32(10)			
902.47(12)	$\langle 3 \rangle^-$					79(13)				21(4)		

Energy levels and branching ratios [02Ak06]. Part 3

 $^{242}_{95}\text{Am}$

E^* [keV]	J^π	Branching ratios in percentage										
		E_f^* : J_f^π :	330.71 3 ⁻	341.58 0 ⁺	355.69 $\langle 2 \rangle^+$	364.70 2 ⁺	372.47 4 ⁻	373.74 4 ⁻	376.93 $\langle 3 \rangle^+$	388.18 3 ⁺	400.53 $\langle 1 \rangle^-$	405.91 $\langle 4 \rangle^+$
364.70(3)	2 ⁺			0.1								
372.47(6)	4 ⁻		6(1)									
373.74(4)	4 ⁻		21(9)									
400.53(6)	$\langle 1 \rangle^-$		24(8)			x						
405.91(7)	$\langle 4 \rangle^+$				0.02(calc)		33(6)	35(6)	x			
418.07(6)	$\langle 4 \rangle^+$									x		
419.14(6)	$\langle 2 \rangle^-$		≈ 11				9(calc)			40(6)		
442.39(5)	$\langle 5 \rangle^+$							61(4)	9(3)			30(6)
446.68(7)	$\langle 3 \rangle^-$				43(4)		1.9(calc)				x	
457.15(7)	$\langle 5 \rangle^+$							54(11)		26(7)		
464.37(5)	3 ⁻ , 4 ⁻		6.3(15)							3.9(18)		
568.22(6)	$\langle 4 \rangle^-$								55.4(6)			

Energy levels and branching ratios [02Ak06]. Part 4

 $^{242}_{95}\text{Am}$

E^* [keV]	J^π	Branching ratios in percentage								
		E_f^* : J_f^π :	418.07 $\langle 4 \rangle^+$	419.14 $\langle 2 \rangle^-$	442.39 $\langle 5^+ \rangle$	464.37 $3^-, 4^-$	483.67 $\langle 4^- \rangle$	874.05 $\langle 2^- \rangle$	906.58 $\langle 3^- \rangle$	949.73 $\langle 4^- \rangle$
457.15(7)	$\langle 5 \rangle^+$		3.1(calc)							
483.67(7)	$\langle 4^- \rangle$		20(3)	x						
568.22(6)	$\langle 4 \rangle^-$		4.2(7)		38.2(4)		2.1(7)			
612.76(7)	2^-			23(7)		5(2)				
906.58(10)	$\langle 3^- \rangle$							x		
949.73(10)	$\langle 4^- \rangle$							87(16)	≈ 13	
1002.71(10)	$\langle 5^- \rangle$								61(13)	39(7)

Energy levels and branching ratios [81El08, 04Ak21].

 $^{243}_{95}\text{Am}$

E^* [keV]	$2J^\pi$	σ (τ, d) $\mu b/sr$	σ (α, t)	$n\ell j$	S_N (τ, d)	S_N (α, t)	$T_{1/2}$ or Γ_{cm}	Ref.	Branching ratios in percentage				
									E_f^* : $2J_f^\pi$:	0.0 5^-	42.2 7^-	84.0 5^+	109 7^+
0.0	5^-	0.9(2)		5-[523]	0.08	0	7370(40) yr	70El07					
42.2(3)	7^-				0	0	≈ 40 ps		x				
84.0(2)	5^+						2.34(7) ns		97		3.2(3)		
96.4(4)	9^-	2.7(4)	9.7(12)	5-[523]	0.92	1.15		70El07	100				
109.2(2)	7^+							04Ak21	41(4)		59(29)		
143.5(5)	$\langle 9^+ \rangle$	3.1(6)	6.9(6)	9+[642]	0.29	0.28		70El07		x			x
162(1)	11^-												
189.3(8)	$\langle 11^+ \rangle$												
238(1)	13^-												
244(2)	$\langle 13^+ \rangle$	8.4(10)	24.8(10)	9+[642]	3.49	3.85		70El07					
266(2)	$\langle 3^- \rangle$	6.6(8)	7.3(6)	3-[521]	0.34	0.40		70El07	x				
300(2)	$\langle 5^- \rangle$	2.6(4)	3.5(5)	3-[521]	0.21	0.18		70El07					
345(1)	$\langle 7^- \rangle$	23.4(18)	28.1(20)	3-[521]	1.89	1.51		70El07					
383(2)		4.3(6)	4.8(5)					70El07					
407.1(5)									x				
423(5)													
445(3)		4.8(10)						70El07					
465.7(3)	7^+								≤ 0.1	x		78(7)	19(2)
466(5)	$\langle 11^- \rangle$	4.5(16)		3-[521]				70El07					
532.5(4)	$\langle 9^+ \rangle$	1.7(3)	2.1(3)	9+[633]	0.14	0.10		70El07				≈ 1.3	66(8)
586(5)		1.5(6)						70El07					
704(2)	$\langle 13^+ \rangle$	4.0(4)	9.5(6)	9+[633]	1.52	1.68		70El07					
724(4)			3.6(6)					70El07					
933(4)		7.1(7)	3.7(6)					70El07					
977(3)		9.4(10)	11.5(15)	9-[514]	2.56	1.97		70El07					
1053(3)		6.4(6)	3.2(7)					70El07					
1123(3)		3.2(4)						70El07					
1174(3)		2.5(4)						70El07					
1222(3)		4.1(4)						70El07					

(continued)

²⁴³₉₅Am

E^*	$2J^\pi$	$\sigma(\tau, d)$	$\sigma(\alpha, t)$	$n\ell j$	S_N	S_N	$T_{1/2}$ or	Ref.	Branching ratios in percentage				
[keV]		$\mu\text{b/sr}$			(τ, d)	(α, t)	Γ_{cm}		E_f^* :	0.0	42.2	84.0	109
									$2J_f^\pi$:	5^-	7^-	5^+	7^+
2300(200)							5.5(5) μs						
		70El07	70El07	70El07				Ref.					

Data for this isotope are considered in vol. LB I/18C.

Energy levels and branching ratios [81El08, 04Ak21]. Part 2

²⁴³₉₅Am

E^*	$2J^\pi$	Branching ratios in percentage		
[keV]		E_f^* :	143	189
		$2J_f^\pi$:	$\langle 9^+ \rangle$	$\langle 11^+ \rangle$
465.7(3)	7^+		3.9(4)	
532.5(4)	$\langle 9^+ \rangle$		25(4)	≈ 7

Energy levels and branching ratios [03Ak04].

²⁴⁴₉₅Am

E^*	J^π	σ_{dp}	$T_{1/2}$ or	Ref.	Branching ratios in percentage				
[keV]		$\mu\text{b/sr}$	Γ_{cm}		E_f^* :	86.1	98.4	121.4	146.4
					J_f^π :	1^+	2^+	3^+	$\langle 4 \rangle^+$
0.0	$\langle 6^- \rangle$	< 2	10.1(1) h	76Gr19					
86.1(10)	1^+	2	26(1) m	76Gr19					
98.4(11)	2^+								
121.4(11)	3^+					0.97(20)	99(20)		
146.4(11)	$\langle 4 \rangle^+$							x	
173.8(10)	1^-					60(10)	40(6)		
181.6(11)	$\langle 5 \rangle^+$								x
195.4(10)	2^-	2		76Gr19			30(5)	47(7)	23(5)
226.4(11)	3^-	2		76Gr19			68(11)	2.6(11)	28(5)
259.8(10)	2^-					25(4)	2.5(6)	8(2)	38(6)
270.3(10)	4^-	2		76Gr19				56(11)	
287.3(10)	1^-					10(2)	17(2)		48(8)
294.8(11)	3^-								
320.9(11)	5^-	2		76Gr19					54(9)
333.7(11)	$\langle 0 \rangle^-$								
340.8(11)	3^-	6		76Gr19				11(4)	12(3)
341.8(11)	4^-	incl						59(12)	
346.5(11)	3^+					≤ 1.1	56(10)	34(6)	10(2)
359.9(11)	2^-	6		76Gr19					
365	$\langle 5^- \rangle$	incl							
365.7									
375.2(11)	$\langle 0 \rangle^+$					90(23)			10(4)

(continued)

²⁴⁴₉₅Am

E^*	J^π	σ_{dp}	$T_{1/2}$ or	Ref.	Branching ratios in percentage					
[keV]		$\mu\text{b/sr}$	Γ_{cm}		$E_{\text{f}}^*:$ $J_{\text{f}}^\pi:$	86.1 1^+	98.4 2^+	121.4 3^+	146.4 $\langle 4 \rangle^+$	173.8 1^-
388.1(10)	$\langle 4 \rangle^+$							37(6)	12(4)	
396.8(10)	$\langle 5^- \rangle$								70(17)	
412.8(10)	2^+					17(3)	47(8)	35(9)	0.7(2)	
417.1(10)	2^+					41(7)	49(10)			
418.2(10)	2^+					2.9(5)	3.3(11)	16(3)		57(11)
419.3(10)	$\langle 3 \rangle^-$						5.3(18)	4.3(13)		
429.1(10)										
431	$[6^-]$	<19		76Gr19						
433.1(10)	$\langle 4 \rangle^-$								≤ 23	
435.4(11)	$\langle 5^- \rangle$									
442.5(10)	$\langle 3 \rangle^+$						30(14)	8(2)	35(6)	
447	$[\text{X}^-]$	<24		76Gr19						
452.1(11)	$\langle 1 \rangle^+$					62(11)	34(6)			
455.0(10)	$\langle 4 \rangle^+$							25(5)	75(11)	
464.4(11)	$\langle 4 \rangle^-$									
476.2(10)	$\langle 2 \rangle^+$					11(2)	47(9)	38(9)		
476.4(10)	$\langle 4 \rangle^+$						≤ 14	37(8)	7(2)	
482.9(10)	2^-									2.1(4)
493.5(10)	$\langle 4 \rangle^+$							49(10)	45(11)	
508	7^-	9		76Gr19						
512.2(10)	$\langle 3 \rangle^+$						13(4)	34(7)	53(13)	
514.3(11)	$\langle 5^+ \rangle$								21(11)	
514.9(10)	2^-					5(1)	1.8(4)	0.3(1)		36(7)
522.3(10)	$\langle 3 \rangle^-$									
533.9(10)	3^-						6(2)			
559.7(10)	4^-							5(1)	35(7)	
567		9		76Gr19						
577.0(11)	$\langle 4^- \rangle$							40(10)		
582.1(10)	2^-					27(7)	17(6)	2.7(6)		9(2)
606.5(10)										
609.0(11)	$\langle 5 \rangle^+$								56(14)	
613.3(11)	$\langle 2 \rangle^+$					72(18)	28(9)			
618		17		76Gr19						
641.2(11)	$\langle 3 \rangle^+$						23(9)	56(14)	12(5)	
648.3(10)	$\langle 3 \rangle^+$						32(11)	53(16)	7(3)	
668.9(10)	$\langle 2 \rangle^+$					18(6)	44(13)			13(4)
678.7(11)	$\langle 1 \rangle^-$									39(10)
694.9(11)	$\langle 4^+ \rangle$							44(16)	56(17)	
697.9(11)	2^-									51(15)
708.6(14)										
729.3(11)	3^-									
749		56		76Gr19						
754.8(11)	$\langle 5^+ \rangle$								50(15)	
769.1(10)										
773.0(10)	$\langle 1 \rangle^+$					55(14)	43(13)			

(continued)

²⁴⁴₉₅Am

E^* [keV]	J^π	σ_{dp} $\mu\text{b/sr}$	$T_{1/2}$ or Γ_{cm}	Ref.	Branching ratios in percentage					
					$E_f^*:$ $J_f^\pi:$	86.1 1 ⁺	98.4 2 ⁺	121.4 3 ⁺	146.4 $\langle 4 \rangle^+$	173.8 1 ⁻
778.0(10)	$\langle 4^- \rangle$									
778.3(10)	$\langle 2^- \rangle$					19(8)	20(7)			
781.0(11)	$\langle 2^- \rangle$							19(6)		
786	2 ⁻	150		76Gr19						
793.1(11)	$\langle 4^- \rangle$									
797.1(11)	$\langle 2^- \rangle$							45(15)		
807(1)	3 ⁻	134		76Gr19						
823.6(11)	$\langle 2^- \rangle$							15(6)		
830.3(10)										
834		87		76Gr19						
838.8(11)	$\langle 2^+ \rangle$					13(5)	26(9)			7(3)
840.8(11)	$\langle 3^+ \rangle$									
857.3(11)	$\langle 3^+ \rangle$						15(5)	11(4)		
860		75		76Gr19						
873.2(11)	$\langle 2^+ \rangle$						24(8)	27(9)	24(7)	9(3)
878.9(12)	2 ⁻					7(3)				
885		80		76Gr19						
888.8(10)										
896(1)		76		76Gr19						
909.3(10)										
916		82		76Gr19						
928.3(10)										
936		51		76Gr19						
946.4(10)										
956		67		76Gr19						
982		34		76Gr19						
994.7(10)										
1010.9(13)		<69		76Gr19						
1025.6(10)										
1041.5(11)		<70		76Gr19						
1047.5(10)										
1058.3(11)										
1066.4(17)										
1069		<80		76Gr19						
1097		<68		76Gr19						
1125		33		76Gr19						
1142		42		76Gr19						
1146.4(10)										
1157		30		76Gr19						
1179		48		76Gr19						
1203		20		76Gr19						
1252		30		76Gr19						
1281		26		76Gr19						
1335		17		76Gr19						
1357		12		76Gr19						

(continued)

²⁴⁴₉₅Am

E^*	J^π	σ_{dp}	$T_{1/2}$ or	Ref.	Branching ratios in percentage					
[keV]		$\mu\text{b/sr}$	Γ_{cm}		E_f^* : J_f^π :	86.1 1 ⁺	98.4 2 ⁺	121.4 3 ⁺	146.4 $\langle 4 \rangle^+$	173.8 1 ⁻
0.0+X 0.0+Y 19464(27)	0 ⁺		0.90(15) ms ≈ 6.5 us							
		76Gr19		Ref.						

Data for this isotope are considered in vol. LB I/18C.

Energy levels and branching ratios [03Ak04]. Part 2

²⁴⁴₉₅Am

E^*	J^π	E_f^* : J_f^π :	181.6 $\langle 5 \rangle^+$	195.4 2 ⁻	226.4 3 ⁻	259.8 2 ⁻	270.3 4 ⁻	287.3 1 ⁻	294.8 3 ⁻	320.9 5 ⁻	333.7 $\langle 0 \rangle^-$	340.8 3 ⁻
[keV]												
226.4(11)	3 ⁻			x								
259.8(10)	2 ⁻			22(4)	3.2(6)							
270.3(10)	4 ⁻			x	44(10)							
287.3(10)	1 ⁻			26(5)								
294.8(11)	3 ⁻					x						
320.9(11)	5 ⁻				17(4)		29(6)					
333.7(11)	$\langle 0 \rangle^-$							100				
340.8(11)	3 ⁻			11(2)	43(6)	13(2)	3.9(16)	6(1)				
341.8(11)	4 ⁻				41(8)							
359.9(11)	2 ⁻							100				
388.1(10)	$\langle 4 \rangle^+$		41(10)									
396.8(10)	$\langle 5^- \rangle$						30(9)					
417.1(10)	2 ⁺								11(2)			
418.2(10)	2 ⁺			16(3)	0.6(1)	4.0(6)						
419.3(10)	$\langle 3 \rangle^-$				4.4(9)	5.3(11)						
433.1(10)	$\langle 4 \rangle^-$		23(5)		43(8)		≤ 56			34(8)		
435.4(11)	$\langle 5^- \rangle$						28(7)			47(8)		25(6)
442.5(10)	$\langle 3 \rangle^+$				28(6)							
464.4(11)	$\langle 4 \rangle^-$						19(5)		≤ 65			
476.4(10)	$\langle 4 \rangle^+$				41(8)		15(3)					
482.9(10)	2 ⁻			45(8)								
493.5(10)	$\langle 4 \rangle^+$		5(1)									
514.3(11)	$\langle 5^+ \rangle$		26(6)				≤ 27			53(11)		
514.9(10)	2 ⁻			25(5)	9(3)	21(4)						
522.3(10)	$\langle 3 \rangle^-$				15(3)		81(13)					
533.9(10)	3 ⁻			25(4)	43(6)	1.5(4)	21(4)		1.5(3)			
559.7(10)	4 ⁻	≤ 6			9(2)		20(5)			28(6)		
577.0(11)	$\langle 4^- \rangle$						14(6)			≤ 17		46(9)
582.1(10)	2 ⁻			11(3)				29(7)				
609.0(11)	$\langle 5 \rangle^+$		28(8)									
641.2(11)	$\langle 3 \rangle^+$		7(2)									

(continued)

²⁴⁴₉₅Am

E^* [keV]	J^π	Branching ratios in percentage										
		$E_f^*:$ $J_f^\pi:$	181.6 $\langle 5 \rangle^+$	195.4 2^-	226.4 3^-	259.8 2^-	270.3 4^-	287.3 1^-	294.8 3^-	320.9 5^-	333.7 $\langle 0 \rangle^-$	340.8 3^-
648.3(10)	$\langle 3 \rangle^+$					6(2)						
678.7(11)	$\langle 1 \rangle^-$			39(9)				13(3)			≤ 5	
694.9(11)	$\langle 4 \rangle^+$		≤ 23									
697.9(11)	2^-				24(8)			14(4)				
729.3(11)	3^-			42(11)			21(5)					11(2)
754.8(11)	$\langle 5 \rangle^+$		40(13)									
773.0(10)	$\langle 1 \rangle^+$					≤ 9					2.9(9)	
778.0(10)	$\langle 4 \rangle^-$						35(11)					
778.3(10)	$\langle 2 \rangle^-$								49(15)			
781.0(11)	$\langle 2 \rangle^-$				6(2)						3.2(10)	3.7(10)
793.1(11)	$\langle 4 \rangle^-$		≤ 0.04	11(4)						28(18)		
797.1(11)	$\langle 2 \rangle^-$			8(4)				11(6)	36(11)			
807(1)	3^-			≤ 29		6(3)		22(7)				
823.6(11)	$\langle 2 \rangle^-$					33(11)			15(6)		25(6)	
838.8(11)	$\langle 2 \rangle^+$			17(7)								
840.8(11)	$\langle 3 \rangle^+$							7(2)				
878.9(12)	2^-			22(8)		27(8)						

Energy levels and branching ratios [03Ak04]. Part 3

²⁴⁴₉₅Am

E^* [keV]	J^π	Branching ratios in percentage										
		$E_f^*:$ $J_f^\pi:$	341.8 4^-	346.5 3^+	359.9 2^-	388.1 $\langle 4 \rangle^+$	396.8 $\langle 5 \rangle^-$	412.8 2^+	417.1 2^+	418.2 2^+	419.3 $\langle 3 \rangle^-$	433.1 $\langle 4 \rangle^-$
388.1(10)	$\langle 4 \rangle^+$			10(5)								
419.3(10)	$\langle 3 \rangle^-$			81(14)								
452.1(11)	$\langle 1 \rangle^+$									4.2(7)		
464.4(11)	$\langle 4 \rangle^-$										81(24)	
476.2(10)	$\langle 2 \rangle^+$								4(1)			
482.9(10)	2^-			53(8)								
514.9(10)	2^-									0.9(2)		
522.3(10)	$\langle 3 \rangle^-$			3.4(11)								
533.9(10)	3^-								0.3(1)	1.4(3)		
559.7(10)	4^-						≤ 4					
577.0(11)	$\langle 4 \rangle^-$			≤ 9								
582.1(10)	2^-				2.7(6)							
609.0(11)	$\langle 5 \rangle^+$		16(6)									
641.2(11)	$\langle 3 \rangle^+$								2.3(8)			
668.9(10)	$\langle 2 \rangle^+$							≤ 5		22(4)		
678.7(11)	$\langle 1 \rangle^-$									≤ 3.7		
729.3(11)	3^-											26(5)
778.0(10)	$\langle 4 \rangle^-$		24(6)			26(5)					4(2)	
778.3(10)	$\langle 2 \rangle^-$									3.2(10)		

(continued)

 $^{244}_{95}\text{Am}$

E^* [keV]	J^π	Branching ratios in percentage										
		$E_f^*:$ $J_f^\pi:$	341.8 4 ⁻	346.5 3 ⁺	359.9 2 ⁻	388.1 $\langle 4 \rangle^+$	396.8 $\langle 5^- \rangle$	412.8 2 ⁺	417.1 2 ⁺	418.2 2 ⁺	419.3 $\langle 3 \rangle^-$	433.1 $\langle 4 \rangle^-$
793.1(11)	$\langle 4^- \rangle$		7(3)				37(9)					
807(1)	3 ⁻			8(2)	8(2)							33(7)
823.6(11)	$\langle 2^- \rangle$										11(3)	
840.8(11)	$\langle 3^+ \rangle$								32(7)	49(8)		
857.3(11)	$\langle 3^+ \rangle$				3.1(10)	9(2)						
873.2(11)	$\langle 2^+ \rangle$							5(1)		4(1)		
878.9(12)	2 ⁻								12(4)		8(2)	

Energy levels and branching ratios [03Ak04]. Part 4

 $^{244}_{95}\text{Am}$

E^* [keV]	J^π	Branching ratios in percentage										
		$E_f^*:$ $J_f^\pi:$	442.5 $\langle 3 \rangle^+$	452.1 $\langle 1 \rangle^+$	455.0 $\langle 4 \rangle^+$	476.2 $\langle 2 \rangle^+$	476.4 $\langle 4 \rangle^+$	482.9 2 ⁻	493.5 $\langle 4 \rangle^+$	512.2 $\langle 3 \rangle^+$	514.9 2 ⁻	522.3 $\langle 3 \rangle^-$
533.9(10)	3 ⁻		0.6(2)									
559.7(10)	4 ⁻		2.8(6)									
582.1(10)	2 ⁻							0.9(3)				
648.3(10)	$\langle 3 \rangle^+$							0.8(5)				
668.9(10)	$\langle 2 \rangle^+$				2.9(8)							
678.7(11)	$\langle 1 \rangle^-$										10(2)	
697.9(11)	2 ⁻										3.7(6)	
729.3(11)	3 ⁻	≤ 2.2										
778.3(10)	$\langle 2 \rangle^-$			3.7(10)		6(2)				≤ 11		
781.0(11)	$\langle 2 \rangle^-$										≤ 6	17(6)
793.1(11)	$\langle 4^- \rangle$										11(4)	
797.1(11)	$\langle 2 \rangle^-$			≤ 5.6								
807(1)	3 ⁻				19(3)							
838.8(11)	$\langle 2 \rangle^+$	26(7)			10(2)							
840.8(11)	$\langle 3 \rangle^+$	6(3)	5(3)									
857.3(11)	$\langle 3^+ \rangle$					5(2)			42(14)			
878.9(12)	2 ⁻											20(4)

Energy levels and branching ratios [03Ak04]. Part 5

 $^{244}_{95}\text{Am}$

E^* [keV]	J^π	Branching ratios in percentage										
		$E_f^*:$ $J_f^\pi:$	533.9 3 ⁻	559.7 4 ⁻	577.0 $\langle 4^- \rangle$	609.0 $\langle 5 \rangle^+$	613.3 $\langle 2 \rangle^+$	641.2 $\langle 3 \rangle^+$	648.3 $\langle 3 \rangle^+$	694.9 $\langle 4^+ \rangle$	778.0 $\langle 4^- \rangle$	781.0 $\langle 2 \rangle^-$
697.9(11)	2 ⁻		7(2)									
729.3(11)	3 ⁻			≤ 7								
754.8(11)	$\langle 5^+ \rangle$					10(3)						

(continued)

²⁴⁴₉₅Am

E^* [keV]	J^π	Branching ratios in percentage										
		$E_f^*:$ $J_f^\pi:$	533.9 3 ⁻	559.7 4 ⁻	577.0 4 ⁻	609.0 5 ⁺	613.3 2 ⁺	641.2 3 ⁺	648.3 3 ⁺	694.9 4 ⁺	778.0 4 ⁻	781.0 2 ⁻
778.0(10)	4 ⁻		≤8	11(3)								
781.0(11)	2 ⁻		47(12)		4.0(6)							
793.1(11)	4 ⁻		7(5)									
807(1)	3 ⁻								5(3)			
857.3(11)	3 ⁺							12(2)		2.8(6)		
873.2(11)	2 ⁺		1.4(5)				4(2)					2.0(5)
878.9(12)	2 ⁻								≤2.4		3(1)	

Energy levels and branching ratios [92Ak05].

²⁴⁵₉₅Am

E^* [keV]	$2J^\pi$	$T_{1/2}$ or Γ_{cm}
0.0	5 ⁺	2.05(1) h
19.20(2)	7 ⁺	
27.93(20)	5 ⁻	
47.07(2)	9 ⁺	
70.43(20)	7 ⁻	
87.65(10)	11 ⁺	
124.59(20)	9 ⁻	
134.51(20)	13 ⁺	
190.82(20)	11 ⁻	
327.428(8)	7 ⁺	
395.87(2)	9 ⁺	
475.52(3)	11 ⁺	
563.1(3)	13 ⁺	
887.47(10)	7 ⁺	
921.01(20)	9 ⁺ , 11 ⁺	
957.53(2)	9 ⁺	
987.51(5)	7 ⁺ , 9 ⁺	
1024.22(20)	7 ⁺ , 9 ⁻	
1065.30(20)		
1111.2(3)		
1185.6(5)		
2400(400)		640(60) ns

Data for this isotope are considered in vol. LB I/18C.

Energy levels and branching ratios [92Ak05]. Part 2

²⁴⁵₉₅Am

E^* [keV]	$2J^\pi$	Branching ratios in percentage							
		$E_f^*:$ $2J_f^\pi:$	0.0 $\langle 5 \rangle^+$	19.20 $\langle 7 \rangle^+$	27.93 $\langle 5^- \rangle$	47.07 $\langle 9^+ \rangle$	70.43 $\langle 7^- \rangle$	87.65 $\langle 11^+ \rangle$	124.59 $\langle 9^- \rangle$
27.93(20)	$\langle 5^- \rangle$		x						
327.428(8)	7^+		81(12)	15(2)	0.06(3)	4.1(6)			
395.87(2)	9^+		2(1)	75		23(4)		x	
475.52(3)	11^+					57		32(8)	
563.1(3)	$\langle 13^+ \rangle$							x	
887.47(10)	$\langle 7^+ \rangle$	x		0.9(3)	3.7(6)	9(2)	6(1)	11(2)	5.2(7)
921.01(20)	$\langle 9^+, 11^+ \rangle$			3(2)		8(2)		≤ 31	15(5)
957.53(2)	$\langle 9 \rangle^+$	14(2)	14(3)			19(3)	10(2)	0.9(5)	≤ 7
987.51(5)	$\langle 7^+, 9^+ \rangle$	48	1.3(6)			9(6)	3(1)		
1024.22(20)	$\langle 7^+, 9^- \rangle$			42	32(13)	≤ 61	3(2)		5(3)
1065.30(20)						63		x	
1111.2(3)		9(3)			5.4(15)		1.1(6)	85	
1185.6(5)				44		37(8)		15(5)	

Energy levels and branching ratios [92Ak05]. Part 3

²⁴⁵₉₅Am

E^* [keV]	$2J^\pi$	Branching ratios in percentage						
		$E_f^*:$ $2J_f^\pi:$	134.51 $\langle 13^+ \rangle$	190.82 $\langle 11^- \rangle$	327.428 7^+	395.87 9^+	475.52 11^+	563.1 $\langle 13^+ \rangle$
475.52(3)	11^+		11(2)					
563.1(3)	$\langle 13^+ \rangle$		x					
887.47(10)	$\langle 7^+ \rangle$				40	20(3)	3.6(5)	
921.01(20)	$\langle 9^+, 11^+ \rangle$	22		11(3)	2(1)	16(3)	18(4)	4(1)
957.53(2)	$\langle 9 \rangle^+$	< 0.5		5(1)	38	x	0.19(10)	
987.51(5)	$\langle 7^+, 9^+ \rangle$				31(6)	6(1)	1.3(6)	
1024.22(20)	$\langle 7^+, 9^- \rangle$				13(7)	x	5(3)	
1065.30(20)		3(2)			13(4)	21(4)		
1185.6(5)		4(2)						