

$^{208}\text{Po}$        $Z = 84$        $N = 124$       adopted link      ENSDF link

Based on ENSDF from Oct 2022, and mass evaluation from 2020

BE = 1630.586 ( 0.002) MeV

Qbeta+ = 1.401 ( 0.003) MeV

	Energy T	J+	J-	J-other	T1/2
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S-alpha=	-5.216	( 0.002)	-----		
208PO 1	0.000	0+			1 2.898 Y 2
208PO 2	0.687	2+			2
208PO 3	1.263	2+			3
208PO 4	1.272	0+			4 465 PS 20
208PO 5	1.347	4+			5
208PO 6	1.420	3+			6
208PO 7	1.524	6+			7 4.01 NS 25
208PO 8	1.528	8+			8 350 NS 20
208PO 9	1.539	2+			9
208PO 10	1.583	4+			10
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208PO 11				1.995 2-,3-	11
208PO 12	2.041	6+			12
208PO 13				2.149 3+,4+,5+	13
208PO 14	2.160	8+			14
208PO 15	2.241	9+			15
208PO 16				2.281 3+,4+,5+	16
208PO 17	2.294	6+			17
208PO 18	2.335	7+			18
208PO 19			2.369 7-		19 1.4 NS LT
208PO 20				2.415 7+,8+	20
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208PO 21				2.507 6+,7+	21
208PO 22	2.526	5+			22
208PO 23	2.555	10+			23
208PO 24	2.556	7+			24
208PO 25				2.575 6-,7-	25
208PO 26			2.703 11-		26 8.04 NS 14
208PO 27			2.800 9-		27 0.35 NS LT
208PO 28			2.884 5-		28
208PO 29			2.927 5-		29
208PO 30			3.113 7-		30
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208PO 31				3.145 6+,7+,8+	31
208PO 32				3.202 6+,7+,8+	32
208PO 33			3.400 12-		33 1.0 NS LT
208PO 34			3.525 11-		34
208PO 35				3.535 5+,6+	35
208PO 36			3.546 13-		36 0.76 NS 14



208P0	81				7.476		81	7	NS	LT
208P0	82				7.653		82	14	NS	LT
208P0	83				7.705		83	0.35	NS	LT
208P0	84				7.785		84	0.35	NS	LT
208P0	85				7.932		85	7	NS	LT
208P0	86				8.023		86	7	NS	LT
208P0	87				8.106		87	0.7	NS	LT
S-2p	=	8.262	(	0.002)	-----					
208P0	88				8.395		88	0.7	NS	LT
S-n	=	8.395	(	0.007)	-----					
208P0	89				8.731		89			
208P0	90				8.835		90	1.4	NS	LT
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208P0	91				8.895		91	0.7	NS	LT
208P0	92				8.992		92			
208P0	93				9.033		93			
208P0	94				9.161		94			
208P0	95				9.644		95			
S-p	=	4.704	(	0.003)	-----					
S-n	=	8.395	(	0.007)	-----					
S-2p	=	8.262	(	0.002)	-----					
S-2n	=	15.423	(	0.004)	-----					
S-alpha	=	-5.216	(	0.002)	-----					
S+p	=	-2.703	(	0.005)						
S+n	=	-6.968	(	0.002)						
S+2p	=	-6.714	(	0.005)						
S+2n	=	-14.626	(	0.002)						
S+alpha	=	6.385	(	0.004)						
gap p	=	2.000	(	0.006)						
gap n	=	1.427	(	0.007)						
gap 2p	=	1.548	(	0.005)						
gap 2n	=	0.797	(	0.005)						
gap alpha	=	1.170	(	0.004)						