208 Pb(d,d'),(pol d,d')

		Type	Author	History	Literature Cutoff Date	
		Full Evaluation	M. J. Martin	NDS 108,1583 (2007)	1-Jun-2007	
1971Un01 I 1980Mo18 1982Cl01 E 1983BeZU 1999Dj01 E 2001Va04 E 0thers: 196 1999Dj01 n the auth	E=13 MeV, FW E=86 MeV, FW =18-23 MeV, pW E=45 MeV, FW =400 MeV, pol E=22 MeV, FW 2Jo05, 1968Hi0 neasure the isoso ors find strengt	HM=3-10 keV, θ =12. HM=1×10 ⁻³ . ol d, θ =10°-160°. HM=12-15 keV. d, FWHM≈200 keV. HM=3.3 keV. 9. calar spin excitation so	$5^{\circ}-150^{\circ}$. $\theta=2^{\circ}-5^{\circ}$. strength. In addind 11 MeV and	tion to the known 1 ⁺ and spread out over the cont	4 ⁻ states At 5844 and 3475, respec inuum.	ctively,
198 0 Wi12	E=108 MeV, 6 In 1980Dj02	9=4°-14° (partia)	l Data Also	Reported		
1987Ta08	E=45 MeV, FV Supersede Me From This G	WHM=15-20 keV. T ost Of The Data I roup	he Data Of T In 1983BeZU,	hese Authors An Earlier Report		

²⁰⁸Pb Levels

No peak is observed At 19 MeV with strength comparable to that implied by data of 1979Do01 In (¹⁶O,¹⁶O') (1980Mo18).

E(level) [†]	J^{π}	L	$\beta(\text{IS})^{\text{#}}$	Comments
0.0 2614		3	0.774	β (IS): 1968Hi09 report β_3 =0.10. 1980Wi12 report β_3 =0.090-0.103, B(is,0 ⁺ to 3 ⁻)=30.2-39.6 In single particle units. Other: 1082C101
3198 3475	4-	5	0.0548	J^{π} : from Adopted Levels. Measurement of spin variables In the (pol d,pol d') work of 1999Dj01
3707 3959		5	0.0138	show that this is an isoscalar state.
4037 4083		2	0.350	β (IS): 1980Wi12 report β_2 =0.044-0.046, B(is,0 ⁺ to 2 ⁺)=7.0-7.5 In single-particle units. Other: 1982CI01.
4320 4358 4421 4477 5345 ^{&} 5515 ^a 5515 ^a 5542 ^a 5542 ^a 5564 ^a 5690 ^a 5814 ^a		4	0.166	
5844 ^{<i>a</i>} 3	1+			J^{π} : from Adopted Levels. The observation that the measured strengths In (p,p') and (d,d') are very similar supports the isoscalar nature of this state. The measurement of spin variables In the (pol d,pol d') work of 1999Dj01 also supports the isoscalar nature of this state.
6008 & 7400 [‡]		4‡		%EWSR=2.7 (1980Mo18).

Continued on next page (footnotes at end of table)

$^{208}\mathbf{Pb}(\mathbf{d},\mathbf{d}')\text{,(pol }\mathbf{d},\mathbf{d}')$ (continued)

²⁰⁸Pb Levels (continued)

E(level) [†]	L	Comments
8100‡	4‡	%EWSR=2.6 (1980Mo18).
$10.5 \times 10^3 @ 2$	2 [@]	Γ =2800 keV 200 (1980Wi12)
		L: 1980Mo18 report that L>2 In addition to L=2 is required to fit their data. 1980Wi12 report %EWSR=104 15 or 85 15, depending on the potential ADOPTED.
13.5×10 ³ [@] 3	0 [@]	Γ=2800 keV 200 (1980Wi12) 1980Mo18 report σ≤1/3σ(10.5 MeV level). 1980Wi12 report %EWSR=51 10 or 207 60, depending on the potential ADOPTED.

[†] From 1971Un01 for E<5000. Other levels are from sources indicated. 2001Va04 do not show their data, but state that their (d,d') spectrum looks very similar to their (p,p') spectrum (see data of 2001Va04 In (p,p')), In particular, they state that they see essentially all the levels reported In their (p,p') work.

[‡] From 1980Mo18. [#] Isoscalar transition rates (1980Mo18), B(is,0⁺ to J^{π}). [@] From 1980Wi12. [&] From 1983BeZU.

^a From 1987Ta08.