

$^{209}\text{Bi}(\text{d},\text{t}\gamma)$ 1973El01

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	M. J. Martin	NDS 108,1583 (2007)	1-Jun-2007

E=9 MeV, FWHM $\approx$ 100 keV for t γ coincidence data.

 ^{208}Bi Levels

E(level)	$J^{\pi\dagger}$	E(level)	$J^{\pi\dagger}$	E(level)	$J^{\pi\dagger}$	E(level)	$J^{\pi\dagger}$
0.0	5 ⁺	602 <i>l</i>	4 ⁺	651 <i>l</i>	7 ⁺	960 <i>l</i>	4 ⁺
63 <i>l</i>	4 ⁺	629 <i>l</i>	5 ⁺	888 <i>l</i>	5 ⁺	1071 <i>l</i>	3 ⁺
511 <i>l</i>	6 ⁺	635 <i>l</i>	3 ⁺	925 <i>l</i>	2 ⁺	1096 <i>l</i>	6 ⁺

$\dagger$ From Adopted Levels.

 $\gamma(^{208}\text{Bi})$

$E_i(\text{level})$	J_i^{π}	E_{γ}	$I_{\gamma}^{\dagger}$	E_f	J_f^{π}	$E_i(\text{level})$	J_i^{π}	E_{γ}	$I_{\gamma}^{\dagger}$	E_f	J_f^{π}
63	4 ⁺	(63)		0.0	5 ⁺	888	5 ⁺	825	48 2	63	4 ⁺
511	6 ⁺	448	6 2	63	4 ⁺			888	48 2	0.0	5 ⁺
		511	94 2	0.0	5 ⁺	925	2 ⁺	290	100	635	3 ⁺
602	4 ⁺	539	33 3	63	4 ⁺			862 $\ddagger$ #	<4	63	4 ⁺
		602	67 3	0.0	5 ⁺	960	4 ⁺	325	6 2	635	3 ⁺
629	5 ⁺	118 $\ddagger$ #	<3	511	6 ⁺			897	70 3	63	4 ⁺
		566	100	63	4 ⁺			960	24 3	0.0	5 ⁺
		629 $\ddagger$ #	<2	0.0	5 ⁺	1071	3 ⁺	469	16 3	602	4 ⁺
635	3 ⁺	572	100	63	4 ⁺			1008	84 3	63	4 ⁺
651	7 ⁺	140	46 3	511	6 ⁺	1096	6 ⁺	208	2 <i>l</i>	888	5 ⁺
		651	54 3	0.0	5 ⁺			1096	98 <i>l</i>	0.0	5 ⁺
888	5 ⁺	377	4 <i>l</i>	511	6 ⁺						

$\dagger$ Data shown are branching ratios In %.

$\ddagger$ Transition not observed.

Placement of transition in the level scheme is uncertain.

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Legend

Level Scheme

Intensities: % photon branching from each level

-----► γ Decay (Uncertain)