

$^{208}\text{Pb}(^{18}\text{O},\text{Fxn}\gamma)$ 2000Fo13

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Coral M. Baglin	NDS 113, 2187 (2012)	15-Sep-2012

2000Fo13: $^{208}\text{Pb}(^{18}\text{O},\text{texng})$, $E(^{18}\text{O})=91$ MeV; measured $E\gamma$, $\gamma\gamma$ coin, $\gamma(^{92}\text{Sr})$ - $\gamma(\text{Te})$ coin following fission of the ^{226}Th compound nucleus.

 ^{92}Sr Levels

$E(\text{level})^{\dagger}$	$J^{\pi\ddagger}$	Comments
0.0	0^{+}	
814.4	(2^{+})	
1673.1	(4^{+})	
2185.5	(3^{-})	
2765.8	(5^{-})	
3786.4		
4579.4		$E(\text{level})$: level not adopted. 793 γ is placed in a later study feeding the 2766 level instead (see $^{159}\text{Tb}(^{36}\text{S},\text{fxng})$ dataset), implying $E(\text{level})=3559$.

† From least-squares fit to $E\gamma$, allowing equal weight for all data.

‡ Authors' values, based on J^{π} systematics in lighter even-A Sr isotopes.

 $\gamma(^{92}\text{Sr})$

$E_{\gamma}^{\dagger}$	$E_i(\text{level})$	J_i^{π}	E_f	J_f^{π}
512.2	2185.5	(3^{-})	1673.1	(4^{+})
580.2	2765.8	(5^{-})	2185.5	(3^{-})
793.0	4579.4		3786.4	
814.4	814.4	(2^{+})	0.0	0^{+}
858.7	1673.1	(4^{+})	814.4	(2^{+})
1020.6	3786.4		2765.8	(5^{-})
1092.7	2765.8	(5^{-})	1673.1	(4^{+})
1371.1	2185.5	(3^{-})	814.4	(2^{+})

† From 2000Fo13; authors do not state uncertainties.

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Level Scheme

