^{92}Zr(d,t) 1972BaZP

History			
Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Coral M. Baglin	NDS 114, 1293 (2013)	1-Sep-2013

E=13 MeV. Enriched target. Semi. ΔE,E counter. FWHM=35-45 keV.

^{91}Zr Levels

For E(level)>2150, many states could include a contribution from an unresolved neighboring level or levels.

E(level)[†]	L[‡]	C^2S[#]	Comments
0	2	1.49	
1196	(0)	0.10	
1277?			Not observed in other experiments; not adopted.
1461	2	0.014	C^2S: 0.018 if $J^\pi=3/2^+$.
1876	4	0.052	C^2S: 0.104 if $J^\pi=7/2^+$.
2036	2	0.18	C^2S: 0.21 if $J^\pi=3/2^+$.
2127	4	0.63	C^2S: 1.35 if $J^\pi=7/2^+$.
2186	4	0.14	C^2S: 0.30 if $J^\pi=7/2^+$.
2350	1	0.18	C^2S: 0.21 if $J^\pi=1/2^-$.
2431?			Not observed in other experiments; not adopted.
2766			
2817	2	0.030	C^2S: 0.036 if $J^\pi=3/2^+$.
2896	4	4.68	C^2S: 10.0 if $J^\pi=7/2^+$.
2984			
3045	(1)	0.024	C^2S: 0.028 if $J^\pi=1/2^-$. However, this may be a doublet since two levels are adopted In the vicinity of this energy.
3100	4	0.27	C^2S: 0.60 if $J^\pi=7/2^+$.
3229	1	0.65	C^2S: 0.77 if $J^\pi=1/2^-$.
3314	0	0.06	
3468	1	0.52	C^2S: 0.62 if $J^\pi=1/2^-$.
3568	1	0.67	C^2S: 0.79 if $J^\pi=1/2^-$.
3695	4	0.50	C^2S: 1.10 if $J^\pi=7/2^+$.
3739	1	0.36	C^2S: 0.44 if $J^\pi=1/2^-$.
3818			
3891	4	2.21	C^2S: 4.86 if $J^\pi=7/2^+$.
3952	4	0.44	C^2S: 0.97 if $J^\pi=7/2^+$.
4005	2	0.098	C^2S: 0.14 if $J^\pi=3/2^+$.

[†] Consistently 5 to 10 keV lower than adopted values.
[‡] From comparison between $\sigma(\theta)$ and DWBA calculations.
[#] From DWBA analysis. Values are for J=L+1/2; S values for J=L−1/2 are given under comments.