

$^{90}\text{Zr}(t,t')$ 1968FI06,1994So26

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	S. K. Basu, E. A. Mccutchan		NDS 165,1 (2020)	1-Mar-2020

1968FI06: E=20 MeV. Measured $\sigma(\theta)$, $\theta(\text{lab})=18^\circ-78^\circ$ in steps of 3° . ΔE -E telescope. FWHM=60 keV.

1994So26: E=20 MeV. Measured deformation parameters β_2 and β_3 .

 ^{90}Zr Levels

E(level) [†]	L [‡]	β_L ^{‡#}	Comments
0			
1750 15			
2180 15	2	0.070	β_L : other: $\beta_2=0.09$ (1994So26).
2300 15	5	0.039	
2750 15	3	0.12	β_L : other: $\beta_3=0.16$ (1994So26).
3090 15	4	0.027	
3290 15	2	0.040	β_L : other: $\beta_2=0.03$ (1994So26).
3440 15	6	0.016	
3580 15	(1)		
3820 15	2	0.047	β_L : other: $\beta_2=0.03$ (1994So26).
3990 15	5	0.027	
4040 15	(2,5)	0.022	
4220 15	(2)	0.037	
4330 15	4		
4370 15			
4450 15	3		
4530 15	5		
4610 15			
4670 15	(2)		
4810 15	(1)		
5110 15	(3,4,5)		
5220 15	(1,3)		
5380 15	4		
5460 15	4		
5650 15	3		
5780 25			
5960 25			
6070 25			
6300 25			
6430 25			
6560 25			

[†] From 1968FI06.

[‡] From comparison with DWBA calculations (1968FI06).

[#] From 1968FI06.