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$^{90}\text{Zr}(t,t')$     **[1968Fl06](#),[1994So26](#)**

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

[1968Fl06](#): E=20 MeV. Measured  $\sigma(\theta)$ ,  $\theta(\text{lab})=18^\circ-78^\circ$  in steps of  $3^\circ$ .  $\Delta E$ -E telescope. FWHM=60 keV.

[1994So26](#): E=20 MeV. Measured deformation parameters  $\beta_2$  and  $\beta_3$ .

$^{90}\text{Zr}$  Levels

E(level) <sup>†</sup>	L <sup>‡</sup>	$\beta_L$ <sup>‡#</sup>	Comments
0			
1750 15			
2180 15	2	0.070	$\beta_L$ : other: $\beta_2=0.09$ ( <a href="#">1994So26</a> ).
2300 15	5	0.039	
2750 15	3	0.12	$\beta_L$ : other: $\beta_3=0.16$ ( <a href="#">1994So26</a> ).
3090 15	4	0.027	
3290 15	2	0.040	$\beta_L$ : other: $\beta_2=0.03$ ( <a href="#">1994So26</a> ).
3440 15	6	0.016	
3580 15	(1)		
3820 15	2	0.047	$\beta_L$ : other: $\beta_2=0.03$ ( <a href="#">1994So26</a> ).
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			

<sup>†</sup> From [1968Fl06](#).

<sup>‡</sup> From comparison with DWBA calculations ([1968Fl06](#)).

<sup>#</sup> From [1968Fl06](#).