

<u>¹³C(¹¹B, ¹¹B)</u>				
Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	J. H. Kelley, C. G. Sheu and J. E. Purcell		NDS 198,1 (2024)	1-Aug-2024

2003Me13: ¹³C(¹¹B, ¹¹B),(¹¹B, ¹¹B') E=45 MeV; measured $\sigma(\theta)$ for $\theta \approx 20^\circ$ to 170° . Optical model and coupled-reaction-channels analysis; deduced optical model and deformation parameters.

<u>¹³C Levels</u>			
E(level) [†]	J ^π [†]	L [†]	Comments
0	1/2 ⁻		
3088	1/2 ⁺	1	
3684	3/2 ⁻	2	
3854	5/2 ⁺	3	
6864	5/2 ⁺	3	
7490	7/2 ⁺	3	
7547	5/2 ⁻	2	$\delta_\lambda=0.90$ fm, $\beta_\lambda=0.31$ (2003Me13).
7680	3/2 ⁺	1	
8200	3/2 ⁺	1	

[†] From coupled-reaction-channels model analysis in ([2003Me13](#)).