

$^{194}\text{Pt}(^{12}\text{C}, ^{12}\text{C}')$  1979Ba19

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Jun Chen and Balraj Singh		NDS 177, 1 (2021)	3-Sep-2021

1979Ba19: E=78 MeV  $^{12}\text{C}$  beam was produced from ORNL accelerator. Elastic and inelastic scattering. Measured  $\sigma(\theta)$  data.

Comparisons with Coupled-channel calculations. Deformation parameters deduced. Other papers from the same group: 1979Ba39, 1979Ba21.

2001Sh20: E=73.5 MeV. Measured  $\sigma(\theta)$ .

B(E2) values and B(E4) deduced for  $\beta_2=0.151$ ,  $\beta_4=-0.070$ .

 $^{194}\text{Pt}$  Levels

E(level)	$J^\pi$ †	Comments
0	$0^+$	
328	$2^+$	B(E2)†=1.61; $\beta_2=0.151$
622	$2^+$	B(E2)†=0.0071 B(E2)(from 328, $2^+$ )=0.39.
811	$4^+$	B(E4)†=0.022; $\beta_4=0.070$ 5 B(E2)(from 328, $2^+$ )=0.79. B(E2)(from 622, $2^+$ )=0.022.

† From Adopted Levels.