

$^{198}\text{Pt}(^{14}\text{C}, ^{16}\text{O})$ [1983Bo29](#)

Type	History		Literature Cutoff Date
	Author	Citation	
Full Evaluation	M. S. Basunia	ENSDF	1-Feb-2017

E=100 MeV.

Targets enriched to 96% in ^{198}Pt ; measured momentum of ^{16}O (Q3D and hybrid segmented gas ionization-proportional counter), angular distribution summed over all excitation energies found to be bell-shaped and spectra was taken with a solid angle of 10 msr at 31.2° , 36.3° and 41.5° ; energy resolution for ^{16}O ions ≈ 140 keV.

Q(g.s.)=+6.13 4 MeV, corresponding to a mass excess of -28.28 MeV. Mass excess= -28.300 40 MeV from midstream least-squares adjustment ([1988Wa18](#)).

 ^{196}Os Levels

E(level)	J^π	$T_{1/2}^\dagger$	Comments
0.0	0^+	34.9 min 2	
300 20	(2^+)		J^π : Systematics of 2^+ states in even-even Os isotopes.
760 20	$(2^+, 4^+)$		J^π : Possible doublet. $J^\pi=2^+$ and 4^+ states are expected from systematics of even-even Os isotopes.

† From Adopted Levels.