

¹⁹²Os(¹²C, ¹⁴C) [1977Ha28](#)

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Balraj Singh, ¹ and Jun Chen ²		NDS 169,1 (2020)	15-Oct-2020

[1977Ha28](#): E=70 MeV ¹²C beam was produced from the Brookhaven National Laboratory tandem Van de Graaff. Target was 15 μg/cm² metallic Os (99.06% enriched in ¹⁹²Os). Reaction products were momentum-analyzed with the BNL Q3D spectrometer (FWHM=50-75 keV) and detected with a silicon position-sensitive surface-barrier detector. Measured σ(θ). Data analyzed with coupled-channel calculations.

Theoretical calculations: [1988Be26](#).

¹⁹⁰Os Levels

E(level)	J ^π [†]	Comments
0	0 ⁺	
187	2 ⁺	
548	4 ⁺	
558	2 ⁺	E(level): 548 and 558 levels form a composite structure (1977Ha28).

[†] From the Adopted Levels.