
Muonic atom [1977Ho23,1981Ho22](#)

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	J. C. Batchelder and A. M. Hurst, M. S. Basunia		NDS 183, 1 (2022)	1-Mar-2022

No change compared to previous evaluation ([2003Ba44](#)).

[1981Ho22](#): osmium targets enriched to 78.39% in ^{186}Os ; measured muonic x-ray spectrum (Ge(Li)); determined Barrett moment, Barrett radii, isotope shift, isomer shift, B(E2), and quadrupole moment values (see also [1977Ho23](#)). See ^{186}Os Adopted Levels for Q(137 keV level).

 ^{186}Os Levels

E(level) [†]	J π [‡]	Comments
0.0	0 ⁺	
137	2 ⁺	B(E2) $\uparrow$ =3.15 3 (1977Ho23,1981Ho22); Q=−1.63 4 (1977Ho23,1981Ho22)

[†] Adopted values (rounded).

[‡] Adopted values.