

$^{190}\text{Os}(\text{t,p})$ 1978FI02

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Coral M. Baglin	NDS 113, 1871 (2012)	15-Jun-2012

Other: 1979Ci05.

All data are from 1978FI02. E(t)=15 MeV; osmium targets enriched to 95.46% in ^{190}Os ; measured E(level) (Q3D mag spect, position-sensitive detector, FWHM=10-15 keV), cross sections, angular distributions (12° to 60° in 6° steps).

1979Ci05 report relative and absolute two neutron g.s. transfer strengths for even-mass Os and Pt nuclei (E(t)=17 MeV).

 ^{192}Os Levels

E(level) [†]	L [‡]	Comments
0.0	0	$d\sigma/d\Omega(30^\circ)=257 \mu\text{b/sr}$ (1978FI02).
206 5	(2)	$d\sigma/d\Omega(30^\circ)=14 \mu\text{b/sr}$ (1978FI02).
489	(2)	$d\sigma/d\Omega(30^\circ)=9.1 \mu\text{b/sr}$ (1978FI02).
580	(4)	$d\sigma/d\Omega(30^\circ)=7.6 \mu\text{b/sr}$ (1978FI02).
956	0	$d\sigma/d\Omega(30^\circ)=11 \mu\text{b/sr}$ (1978FI02).
1206	0	$d\sigma/d\Omega(30^\circ)=23 \mu\text{b/sr}$ (1978FI02).
1343		$d\sigma/d\Omega(30^\circ)=3.0 \mu\text{b/sr}$ (1978FI02).
1455		$d\sigma/d\Omega(30^\circ)=4.8 \mu\text{b/sr}$ (1978FI02).
1670		$d\sigma/d\Omega(30^\circ)=3.1 \mu\text{b/sr}$ (1978FI02).
1789 8		$d\sigma/d\Omega(30^\circ)=6.8 \mu\text{b/sr}$ (1978FI02).
1833		$d\sigma/d\Omega(30^\circ)=5.3 \mu\text{b/sr}$ (1978FI02).
1870		$d\sigma/d\Omega(30^\circ)=3.0 \mu\text{b/sr}$ (1978FI02).
1897		$d\sigma/d\Omega(30^\circ)=5.3 \mu\text{b/sr}$ (1978FI02).
1924	0	$d\sigma/d\Omega(30^\circ)=21 \mu\text{b/sr}$ (1978FI02).
1945		$d\sigma/d\Omega(30^\circ)=15 \mu\text{b/sr}$ (1978FI02).
2097 10		$d\sigma/d\Omega(30^\circ)=6.8 \mu\text{b/sr}$ (1978FI02).
2126		$d\sigma/d\Omega(30^\circ)=8.1 \mu\text{b/sr}$ (1978FI02).

[†] From 1978FI02.

[‡] From DWBA analysis of angular distributions. Definite assignments were possible only for L=0 (1978FI02).