^{192}Os(d,p) 1978Be22

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	M. Shamsuzzoha Basunia	NDS 143, 1 (2017)	31-Mar-2017

E(d)=12.0 MeV, θ=20°, 30°, 40°, 55°, 75°, 90°, 95°, 125°; isotope separated ^{192}Os targets (≥99% pure); measured E(level) (mag spect, FWHM=12-17 keV), angular distributions.

^{193}Os Levels

E(level)[†]	L[‡]	$\sigma(\theta = 55°)$[#]	E(level)[†]	L[‡]	$\sigma(\theta = 55°)$[#]
0.0		0.02	952	3	0.04
72	3	0.17	1086	1	0.27
102.8	1	0.45	1178	1	0.10
234	1	0.46	1461	3	0.04
307	1	0.21	1496	3	0.03
399	3	0.08	1517	3	0.05
434	1	0.20	1566	<5	0.39
455	3	0.08	1644		0.03
544		0.03	1668	<5	0.24
762	3	0.08	1697		0.19

[†] Weighted mean values from measurements at all angles, uncertainties not given. Energies were measured relative to 102.8 level, except those at 30°, which were measured relative to 307 level (calibration energies are from ^{192}Os(n,γ) E=thermal (1978Be22)).

[‡] Inferred from angular distributions.

[#] In mb/sr. Assumed Q = 3 MeV. Uncertainties not given; evaluated relative uncertainties in the range 5-20%.