

$^{183}\text{W}(\text{}^3\text{He,d}),(\alpha,\text{t})$ **1976El12**

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Coral M. Baglin	NDS 111,275 (2010)	1-Oct-2009

$J^\pi(\text{target})=1/2^-$.

83% enriched ^{183}W target; Enge split-pole spectrograph with nuclear emulsions.

$E(^3\text{He})=26$ MeV, FWHM=17 keV, $\theta=30^\circ$, 60° .

$E(\alpha)=28$ MeV, FWHM=15 keV, $\theta=30^\circ$, 60° .

 ^{184}Re Levels

E(level) [†]	Comments
0.0	$d\sigma/d\Omega$ ($\mu\text{b/sr}$): 21.5 At 30° , 18.1 At 60° In ($^3\text{He,d}$); 5.8 At 30° , 29.6 At 60° In (α,t).
74	$d\sigma/d\Omega$ ($\mu\text{b/sr}$): 12.3 At 30° , 8.9 At 60° ($^3\text{He,d}$); 4.0 At 30° , 10.7 At 60° In (α,t).
142	$d\sigma/d\Omega$ ($\mu\text{b/sr}$): 11.4 At 30° , 9.1 At 60° ($^3\text{He,d}$); 4.3 At 30° , 12.0 At 60° In (α,t).
348	$d\sigma/d\Omega$ ($\mu\text{b/sr}$): 2.8 At 30° , 1.9 At 60° ($^3\text{He,d}$); 2.5 At 30° , 3.6 At 60° In (α,t).
700	$d\sigma/d\Omega$ ($\mu\text{b/sr}$): 14.7 At 30° , 13.2 At 60° ($^3\text{He,d}$); 13.6 At 30° , 21.8 At 60° In (α,t).
749	$d\sigma/d\Omega$ ($\mu\text{b/sr}$): 3.0 At 30° , 0.5 At 60° ($^3\text{He,d}$); 1.0 At 30° , 1.2 At 60° In (α,t).
775	$d\sigma/d\Omega$ ($\mu\text{b/sr}$): 14.6 At 30° , 12.1 At 60° ($^3\text{He,d}$); 11.5 At 30° , 22.2 At 60° In (α,t).
800	$d\sigma/d\Omega$ ($\mu\text{b/sr}$): 3.2 At 30° , 1.7 At 60° ($^3\text{He,d}$); 2.0 At 30° , 2.8 At 60° In (α,t).
914	$d\sigma/d\Omega$ ($\mu\text{b/sr}$): 10.4 At 30° , 5.7 At 60° ($^3\text{He,d}$); ≤ 1.3 At 30° , 3.5 At 60° In (α,t).
927	$d\sigma/d\Omega$ ($\mu\text{b/sr}$): 0.9 At 30° , 1.6 At 60° ($^3\text{He,d}$); ≤ 1.3 At 30° , 1.4 At 60° In (α,t).
973	$d\sigma/d\Omega$ ($\mu\text{b/sr}$): 6.5 At 30° , 2.4 At 60° ($^3\text{He,d}$); ≤ 1.0 At 30° , 1.7 At 60° In (α,t).
998	$d\sigma/d\Omega$ ($\mu\text{b/sr}$): 16.3 At 30° , 12.8 At 60° ($^3\text{He,d}$); 2.4 At 30° , 6.2 At 60° In (α,t).
1022	$d\sigma/d\Omega$ ($\mu\text{b/sr}$): 3.6 At 30° , 2.7 At 60° ($^3\text{He,d}$); ≤ 1.6 At 30° , 2.1 At 60° In (α,t).
1045	$d\sigma/d\Omega$ ($\mu\text{b/sr}$): 5.7 At 30° , 3.3 At 60° ($^3\text{He,d}$); 2.1 At 30° , 4.2 At 60° In (α,t).

[†] Uncertainty not reported by the authors. However, values differ by ≤ 5 keV from those deduced from E_γ data in Adopted Levels, Gammas wherever comparison is possible; consequently, the evaluator assigns 5 keV uncertainty in Adopted Levels to data that are adopted from this dataset.