^{17}O(^{3}He,^{3}He)

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	C. G. Sheu, J. H. Kelley, J. Purcell	ENSDF	5-Aug-2021

1968Ha30: ^{17}O(^{3}He,t), elastic, E=17.3 MeV; measured $\sigma(\theta)$.
1970Bo25: ^{17}O(^{3}He,^{3}He), elastic, E=11 MeV; measured $\sigma(\theta)$; deduced optical-model parameters.
1982Ab04: ^{17}O(^{3}He,^{3}He), elastic, E=14 MeV; measured $\sigma(\theta)$; deduced optical model parameters.
1983Le03: ^{17}O(pol. ^{3}He,^{3}He), (pol. ^{3}He,^{3}He′), E=33 MeV; measured $\sigma(\theta)$, A(θ); deduced optical model parameters, deformation parameters. ^{17}O*(0.87). Deformation parameter β=+0.3.
See also (1987Co07: theory).
See also (1976Co27: ^{17}O(α,α), analyzed).
See also (1982Hs01: ^{17}O(n,n′γ), measurement).
See also (2020Na31: ^{4}He(^{17}O,α) E=54.4 MeV; studied ^{21}Ne resonances.

^{17}O Levels

E(level)	Comments
0	
870	β=+0.3 (1983Le03).