^{96}Zr(^{16}O,^{14}C) 1973Ch10

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Jun Chen, Balraj Singh	NDS 164, 1 (2020)	15-Feb-2020

1973Ch10: E=47, 48, 60 MeV ^{16}O beams from the Niels Bohr Institute 6-MV EN tandem and 9-MV Super FN tandem. Reaction products were detected with a ΔE-E telescope of surface-barrier detectors (FWHM=300-400 keV). Measured $\sigma(\theta)$. Observed three states: g.s., 788, 1432+1510 doublet. 1973Ch10 also observed ^{98}Mo with ^{94}Zr(^{16}O,^{12}C) at E=60 MeV but no data is reported.

Others:
1973Re15: E=50-60 MeV. Measured $\sigma(\theta)$.
1971Ni03: E=60 MeV. Measured $\sigma(\theta)$.

^{98}Mo Levels

E(level)†	Jπ†	Comments
0	0^+	dσ/dΩ(at 50°)=37 μb/sr *13* for (^{16}O,^{14}C) (1973Ch10).
788	2^+	
1432‡	2^+	
1510‡	4^+	

† From Adopted Levels.
‡ 1432 and 1510 form unresolved doublet.