

$^{76}\text{Ge}(^{16}\text{O}, ^{16}\text{O}'), (^{18}\text{O}, ^{18}\text{O}')$ [1976Co04](#), [1977Bo19](#)

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Balraj Singh, Jun Chen and Ameenah R. Farhan		NDS 194,3 (2024)	8-Jan-2024

[1977Bo19](#): E=75 MeV. Measured $\sigma(\theta)$ data. Analysis given in [1977Le12](#).

[1976Co04](#): E=56 MeV. Measured $\sigma(\theta)$ data. Coupled-channel analysis of elastic and inelastic scattering data given by [1979Fe03](#).

 ^{76}Ge Levels

E(level)	$J^{\pi\dagger}$	Comments
0	0^+	
563	2^+	$\beta_2(\text{Coulomb})=0.256$, $\beta_2(\text{nuclear})=0.228$ (from $(^{16}\text{O}, ^{16}\text{O}')$ reaction 1976Co04). Corresponding values from $(^{18}\text{O}, ^{18}\text{O}')$ reaction are 0.262 and 0.231, respectively. 1979Fe03 deduce β_2 values from a reanalysis of data from 1976Co04 .

\dagger From the Adopted Levels.