

$^{208}\text{Pb}(^{17}\text{O}, ^{17}\text{O}'): \text{CoulEx}$ [1979Es04](#), [1982Ku14](#)

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

Also include $^{60}\text{Ni}(^{17}\text{O}, ^{17}\text{O}'): \text{CoulEx}$.

[1979Es04](#): $^{54}\text{Fe}, ^{60}\text{Ni}(^{17}\text{O}, ^{17}\text{O}')$, $E=59.1, 62.1$ MeV; deduced $B(E2)=2.1 \times 10^{-4} \text{ e}^2\text{b}^2$.

[1982Ku14](#): $^{208}\text{Pb}(^{17}\text{O}, ^{17}\text{O}')$, $E=66-88$ MeV; measured $\sigma(E(^{17}\text{O}))$, projectile Coulomb excitation probability. ^{17}O level deduced GDR contribution parameter. Modified hydrodynamic model.

[1983Li10](#): $^{208}\text{Pb}(^{17}\text{O}, ^{17}\text{O}')$, $E=78$ MeV; measured $\sigma(\theta)$, $\sigma(E(^{17}\text{O}))$; deduced recoil, nonorthogonality effect role. ^{17}O level deduced excitation mechanism. Finite-range coupled-channels calculations.

See also ([2001Le23](#), [2002Pr10](#), [2004Pa08](#): exp.) and ([1982Ba53](#), [1989Ba60](#), [2000Sp07](#), [2005Ty02](#), [2007Be54](#): theory).

 ^{17}O Levels

E(level)	Comments
0	
871	$B(E2)=2.1 \times 10^{-4} \text{ e}^2\text{b}^2$ (1979Es04).