

$^{48}\text{Ca}(^{18}\text{O},^{15}\text{O}), (^{14}\text{C},^{11}\text{C})$ 1988Ca21,1985Br03,1980Ma40

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Wang Jimin and Huang Xiaolong		NDS 144, 1 (2017)	1-Mar-2016

1988Ca21: ($^{18}\text{O},^{15}\text{O}$), E=108 MeV, measured $\sigma(E(^{15}\text{O}),\theta)$ and reaction Q value. FWHM \approx 190 keV.

1985Br03: ($^{18}\text{O},^{15}\text{O}$), E=102 MeV, measured $\sigma(E(^{15}\text{O}))$ and reaction Q value. FWHM \approx 230 keV.

1980Ma40: ($^{14}\text{C},^{11}\text{C}$), E=67,75,78 MeV, Q3D magnetic spectrograph and position-sensitive ionization chamber in the focal plane, no spectroscopic information.

Others: 1986CaZO, 1987BeZL, and 1987BeZP.

Measured mass excess: -33.95 MeV 4 (1988Ca21), -36.12 MeV 12 (1985Br03), -35.94 MeV 5 (1980Ma40), -34.96 MeV 10 (1985Be50).

 ^{51}Ca Levels

E(level)[†]

0.0
 1240^{‡#} 40
 1940^{‡#} 40
 3580[‡] 40
 4040[‡] 40
 5910[‡] 40

[†] From 1985Br03, except as noted. The peaks (295 90, 660 90, 970 90) reported by 1988Br03 are probably spurious (1985Be50,1988Ca21).

[‡] From 1988Ca21.

[#] Seen also by 1985Be50 (1988Ca21).