^{40}Ca(^{18}O,^{20}Ne) 1972Si02

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Jun Chen	NDS 152, 1 (2018)	30-Sep-2017

1972Si02: E=48 MeV ^{18}O beam was produced from the Argonne FN tandem accelerator. Target was isotopically pure ^{40}Ca. Reaction products were detected with six solid-state ΔE-E counter telescopes. Measured E(^{20}Ne) at 30°. Deduced levels.

^{38}Ar Levels

E(level)[†]	Comments
0	
2160	E(level): partly obscured by 1630 level in ^{20}Ne.
3800	E(level): most likely 2^+ state in both ^{20}Ne and ^{38}Ar.
5400?[‡]	
6300?[‡]	

[†] From the spectrum in figure 2 of 1972Si02. The peak at 4200 is most likely the 4^+ state in ^{20}Ne.
[‡] Level in ^{20}Ne and/or ^{38}Ar.