^{208}Pb(^{36}S,^{38}Sγ) 2010Wa12

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

2010Wa12: E=215 MeV ^{36}S beam was produced from the XTU-Tandem Van de Graaff-ALPI, superconducting linear accelerator at the INFN Legnaro National Laboratory. Target was isotopically enriched (99.7%) ^{208}Pb of thickness 300 μg/cm^2 on a carbon backing. Fragments were analyzed with the PRISMA magnetic spectrometer and γ rays were detected with the CLARA array of 25 escape-suppressed Ge clover detectors. Measured Eγ. 2010Wa12 report data mainly on ^{40}S.

^{38}S Levels

E(level)	J$^\pi$[†]
0	0^+
1292	2^+
2805	(2^+)
2825	4^+
3674	(6^+)

[†] From Adopted Levels.

γ(^{38}S)

E$_\gamma$	E$_i$(level)	J$^\pi_i$	E$_f$	J$^\pi_f$
[x]383				
[x]438				
849	3674	(6^+)	2825	4^+
1292	1292	2^+	0	0^+
1513	2805	(2^+)	1292	2^+
1533	2825	4^+	1292	2^+
[x]1575				
[x]1611				

[x] γ ray not placed in level scheme.

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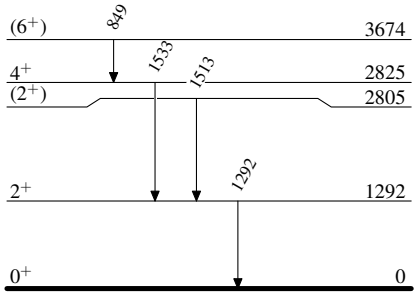
Level Scheme



$^{38}_{16}S_{22}$