^{48}Ca(^{238}U,Xγ)   **2007Re19**

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Yang Dong, Huo Junde	NDS 128, 185 (2015)	10-Jul-2015

E=1.31 GeV beam energy, near the Coulomb barrier, provided by CSSI cyclotron at GANIL facility. Enriched target. Residues
detected with VAMOS spectrometer at an angle of 35° to the beam axis. Focal plane detection provided by a secondary electron
detector, a segmented ionization chamber and a 21-element Si wall. Measured Eγ, Iγ, $\gamma\gamma$ coin using EXOGAM array of 11
segmented clover Ge detectors. Comparisons with shell-model calculations.

^{52}Ca Levels

E(level)[†]	J$^\pi$
0.0	0$^+$
2564 4	(2$^+$)
3990 6	(3$^-$)

[†] From Eγ's.

$\gamma(^{52}$Ca)
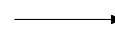
E$_\gamma$[†]	I$_\gamma$[†]	E$_i$(level)	J$^\pi_i$	E$_f$	J$^\pi_f$
1426 3	76 26	3990	(3$^-$)	2564	(2$^+$)
2564 4	100 30	2564	(2$^+$)	0.0	0$^+$

[†] From e-mail reply received from one of the authors of 2007Re19 (S. Bhattacharya) on Dec 18, 2007.

^{48}Ca(^{238}U,Xγ)   **2007Re19**

Level Scheme

Intensities: Relative I$_\gamma$

Legend

I$_\gamma$ < 2%×I$_\gamma^{max}$
I$_\gamma$ < 10%×I$_\gamma^{max}$
I$_\gamma$ > 10%×I$_\gamma^{max}$

$^{52}_{20}$Ca$_{32}$