

$^{208}\text{Pb}(^{36}\text{S},\text{X}\gamma)$  2006Li32

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Ninel Nica, John Cameron and Balraj Singh		NDS 113, 1 (2012)	31-Dec-2011

E=215 MeV. Measured  $\gamma$ ,  $\gamma\gamma$  from binary fragments using CLARA array of 25 Ge 'Clover' detectors. Gamma rays were detected in coincidence projectile-like fragments using PRISMA magnetic spectrometer. Shell- model calculations.

See also [2006GaZV](#) from the same group as [2006Li32](#) at E=230 MeV, where the  $E_\gamma$  values shown in ( $^{36}\text{Si}$ ) $\gamma$  coin spectrum are labeled as: 1405.11 and 1439.16 from first  $2^+$  and  $4^+$  states, respectively.

 $^{36}\text{Si}$  Levels

E(level)	$J^\pi$
0	$0^+$
1408 1	$2^+$
2850 1	$4^+$
3692 2	$6^+$

 $\gamma(^{36}\text{Si})$ 

$E_\gamma$	$E_i(\text{level})$	$J_i^\pi$	$E_f$	$J_f^\pi$
842 1	3692	$6^+$	2850	$4^+$
1408 1	1408	$2^+$	0	$0^+$
1442 3	2850	$4^+$	1408	$2^+$

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