$^{208}\text{Pb}(^{40}\text{Ar},X\gamma)$ **2013Sz02**

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Balraj Singh and Jun Chen[#]	NDS 126, 1 (2015)	31-Mar-2015

Transfer channel: one-proton removal and four-neutron addition 2013Sz02: E(^{40}Ar)=255 MeV provided by the ECR ion source and accelerated by the superconducting ALPI-Linac accelerator of LNL, Legnaro facility. Target=300 μg/cm^2 ^{208}Pb. Measured fragments, Eγ, Iγ, time-of-flight, energy loss, $\gamma\gamma$, (fragment)γ-coin using the Clara array and magnetic spectrometer Prisma. Deduced level, J, π.

^{43}Cl Levels

E(level)	$J^{\pi\dagger}$
0	$(1/2^+)$
328 2	$(3/2^+)$

$\dagger$ From Adopted Levels.

$\gamma(^{43}\text{Cl})$

E_γ	$I_\gamma{}^\dagger$	E_i(level)	J_i^π	E_f	J_f^π
328 2	30 10	328	$(3/2^+)$	0	$(1/2^+)$

$\dagger$ Effective number of counts with correction for detector efficiency.

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Level Scheme

Intensities: Relative I$_\gamma$

$^{43}_{17}\text{Cl}_{26}$