^{208}Pb(^{32}S,Xγ) 1993Co01

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	J. Chen # and F. G. Kondev	NDS 126, 373 (2015)	30-Sep-2013

1993Co01: E=185 MeV ^{32}S beam was produced from the XTU Tandem accelerator. A target of 500 μg/cm^2 enriched ^{208}Pb was used. The projectile-like particles were detected with a multiparametric ΔE-E ionization chamber and γ-rays were detected by four Compton-suppressed Ge detectors. Measured γ(fragment)-coin. Deduced levels, population strengths.

^{209}Bi Levels

E(level)	Jπ†
0	9/2$^-$
896	7/2$^-$
1608	13/2$^+$

† From Adopted Levels.

γ(^{209}Bi)

Eγ	Ei(level)	J_i^π	E_f	J_f^π	Comments
896.6	896	7/2$^-$	0	9/2$^-$	dσ/dΩ=2.0 *2* (mb/sr).
1608.5	1608	13/2$^+$	0	9/2$^-$	dσ/dΩ=0.8 *2* (mb/sr).

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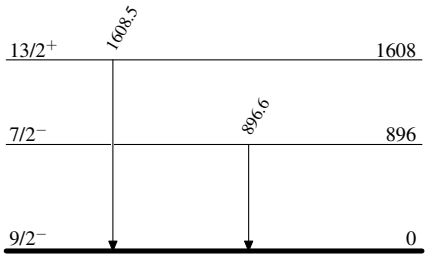
Level Scheme



$^{209}_{83}Bi_{126}$