

$^{96}\text{Zr}(^{32}\text{S}, ^{32}\text{S}'\gamma)$ 1993Ho19

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	D. Abriola(a), A. A. Sonzogni		NDS 109, 2501 (2008)	1-Apr-2008

E=105 MeV, single Ge detector at 0 degrees in coincidence with backscattered ^{32}S ions, measured $T_{1/2}$.

 ^{96}Zr Levels

E(level) [†]	J^π [†]	$T_{1/2}$	Comments
0.0	0^+		
1750.497 15	2^+		
1897.158 16	3^-	68 ps 4	$T_{1/2}$: from recoil distance measurement using the 146.7 γ following inelastic excitation by ^{32}S ions (1993Ho19).

[†] From Adopted Levels.

 $\gamma(^{96}\text{Zr})$

E_γ [†]	I_γ [†]	$E_i(\text{level})$	J_i^π	E_f	J_f^π
146.653 10	100 4	1897.158	3^-	1750.497	2^+
1750.42 2	100	1750.497	2^+	0.0	0^+
1897.21 3	19.0 4	1897.158	3^-	0.0	0^+

[†] From Adopted Gammas.

 $^{96}\text{Zr}(^{32}\text{S}, ^{32}\text{S}'\gamma)$ 1993Ho19Level Scheme

Intensities: Type not specified

Legend

- $I_\gamma < 2\% \times I_\gamma^{max}$
- $I_\gamma < 10\% \times I_\gamma^{max}$
- $I_\gamma > 10\% \times I_\gamma^{max}$

