

$^{160}\text{Gd}(^{36}\text{S}, ^{36}\text{S}'\gamma), (^{34}\text{S}, ^{36}\text{S}'\gamma)$ **1994Fo04**

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

$E(^{36}\text{S}, ^{34}\text{S})=159$ MeV; measured $E\gamma(^{36}\text{S})$ In coincidence with $E\gamma(^{160}\text{Gd})$ also $^{160}\text{Gd}(^{37}\text{Cl}, ^{36}\text{S}'\gamma)$ At $E(^{37}\text{Cl})=167$ MeV.

 ^{36}S Levels

<u>E(level)[†]</u>	<u>J^π[†]</u>
0	0 ⁺
3291	2 ⁺
4193	3 ⁻
5020	4 ⁻
5205	5 ⁻

[†] From Adopted Levels.

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

<u>E_γ</u>	<u>E_i(level)</u>	<u>J_i^π</u>	<u>E_f</u>	<u>J_f^π</u>
185	5205	5 ⁻	5020	4 ⁻
827	5020	4 ⁻	4193	3 ⁻
902	4193	3 ⁻	3291	2 ⁺
3291	3291	2 ⁺	0	0 ⁺

 $^{160}\text{Gd}(^{36}\text{S}, ^{36}\text{S}'\gamma), (^{34}\text{S}, ^{36}\text{S}'\gamma)$ **1994Fo04**Level Scheme