

$^{160}\text{Gd}(\text{Cl},\text{X}\gamma)$ **1994Fo04**

| Type | Author | History | Citation | Literature Cutoff Date |
|-----------------|---|---------|---------------------|------------------------|
| Full Evaluation | Jun Chen, John Cameron and Balraj Singh | | NDS 112,2715 (2011) | 20-Oct-2011 |

1994Fo04: E=167 MeV ^{37}Cl beam produced from the Argonne Tandem-Linac Accelerator System (ATLAS) on a 1 mg/cm² ^{160}Gd (98%) target backed by a 15 mg/cm² gold foil. γ -rays detected with the Argonne-Notre Dame BGO γ -ray facility consisting of 12 Compton-suppressed Ge detectors and a 50-element bismuth germanate (BGO) array. Measured $\gamma\gamma$ -coin, E γ . Deduced levels.

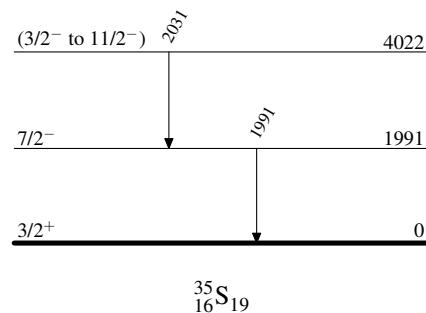
 ^{35}S Levels

| E(level) | J $^\pi$ [†] |
|----------|--|
| 0 | 3/2 ⁺ |
| 1991 | 7/2 ⁻ |
| 4022 | (3/2 ⁻ to 11/2 ⁻) |

[†] From Adopted Levels.

 $\gamma(^{35}\text{S})$

| E γ | E _i (level) | J $^\pi_i$ | E _f | J $^\pi_f$ |
|------------|------------------------|--|----------------|------------------|
| 1991 | 1991 | 7/2 ⁻ | 0 | 3/2 ⁺ |
| 2031 | 4022 | (3/2 ⁻ to 11/2 ⁻) | 1991 | 7/2 ⁻ |

 $^{160}\text{Gd}(\text{Cl},\text{X}\gamma)$ **1994Fo04**Level Scheme $^{35}_{16}\text{S}_{19}$