

$^{46}\text{Ti}(^{25}\text{Mg},3\text{pn}\gamma)$ 1991Zh28

| Type | Author | History | Citation | Literature Cutoff Date |
|-----------------|---------------------------------------|---------|---------------------|------------------------|
| Full Evaluation | Huo Junde, Huang Xiaolong, J. K. Tuli | | NDS 106, 159 (2005) | 1-Apr-2005 |

E=68 MeV. Measured E_γ , I_γ , nineteen of 72 NaI(Tl) detectors of the spin spectrometer were replaced by Compton-suppressed Ge detectors.

 ^{67}Ga Levels

| E(level) | J^π | E(level) | J^π | E(level) | J^π | E(level) | J^π |
|-----------|------------------|-----------|-------------------|-----------|----------------------|-----------|----------------------|
| 0 | 3/2 ⁻ | 2862.5 14 | 11/2 ⁺ | 4199.5 16 | (17/2 ⁺) | 6381.0 20 | (25/2 ⁺) |
| 359.0 8 | 5/2 ⁻ | 3031.5 14 | 13/2 ⁺ | 4290.7 18 | 19/2 ⁺ | 6591.3 23 | (27/2 ⁺) |
| 1202.0 8 | 7/2 ⁻ | 3159.5 15 | | 5226.7 20 | (23/2 ⁺) | 7621.0 22 | (29/2 ⁺) |
| 1519.0 11 | 9/2 ⁻ | 3577.7 15 | 15/2 ⁺ | 5492.0 17 | (21/2 ⁺) | | |
| 2073.5 11 | 9/2 ⁺ | 3855.9 16 | 17/2 ⁺ | 5676.7 20 | (21/2 ⁺) | | |

 $\gamma(^{67}\text{Ga})$

| E_γ | I_γ | $E_i(\text{level})$ | J_i^π | E_f | J_f^π | E_γ | I_γ | $E_i(\text{level})$ | J_i^π | E_f | J_f^π |
|------------|------------|---------------------|----------------------|--------|----------------------|------------|------------|---------------------|----------------------|--------|----------------------|
| 343.6 | 16 | 4199.5 | (17/2 ⁺) | 3855.9 | 17/2 ⁺ | 958.0 | 67 | 3031.5 | 13/2 ⁺ | 2073.5 | 9/2 ⁺ |
| 359.0 | 100 | 359.0 | 5/2 ⁻ | 0 | 3/2 ⁻ | 1160.0 | 84 | 1519.0 | 9/2 ⁻ | 359.0 | 5/2 ⁻ |
| 546.2 | 24 | 3577.7 | 15/2 ⁺ | 3031.5 | 13/2 ⁺ | 1168.0 | 5 | 4199.5 | (17/2 ⁺) | 3031.5 | 13/2 ⁺ |
| 554.5 | 54 | 2073.5 | 9/2 ⁺ | 1519.0 | 9/2 ⁻ | 1202.0 | 48 | 1202.0 | 7/2 ⁻ | 0 | 3/2 ⁻ |
| 713.0 | 27 | 4290.7 | 19/2 ⁺ | 3577.7 | 15/2 ⁺ | 1240.0 | 6 | 7621.0 | (29/2 ⁺) | 6381.0 | (25/2 ⁺) |
| 715.2 | 3 | 3577.7 | 15/2 ⁺ | 2862.5 | 11/2 ⁺ | 1292.4 | 4 | 5492.0 | (21/2 ⁺) | 4199.5 | (17/2 ⁺) |
| 824.4 | 27 | 3855.9 | 17/2 ⁺ | 3031.5 | 13/2 ⁺ | 1343.5 | 11 | 2862.5 | 11/2 ⁺ | 1519.0 | 9/2 ⁻ |
| 843.0 | 16 | 1202.0 | 7/2 ⁻ | 359.0 | 5/2 ⁻ | 1364.5 | 4 | 6591.3 | (27/2 ⁺) | 5226.7 | (23/2 ⁺) |
| 871.5 | 15 | 2073.5 | 9/2 ⁺ | 1202.0 | 7/2 ⁻ | 1386.0 | 4 | 5676.7 | (21/2 ⁺) | 4290.7 | 19/2 ⁺ |
| 889.0 | 8 | 6381.0 | (25/2 ⁺) | 5492.0 | (21/2 ⁺) | 1636.0 | 4 | 5492.0 | (21/2 ⁺) | 3855.9 | 17/2 ⁺ |
| 936.0 | 11 | 5226.7 | (23/2 ⁺) | 4290.7 | 19/2 ⁺ | 1640.5 | 16 | 3159.5 | | 1519.0 | 9/2 ⁻ |

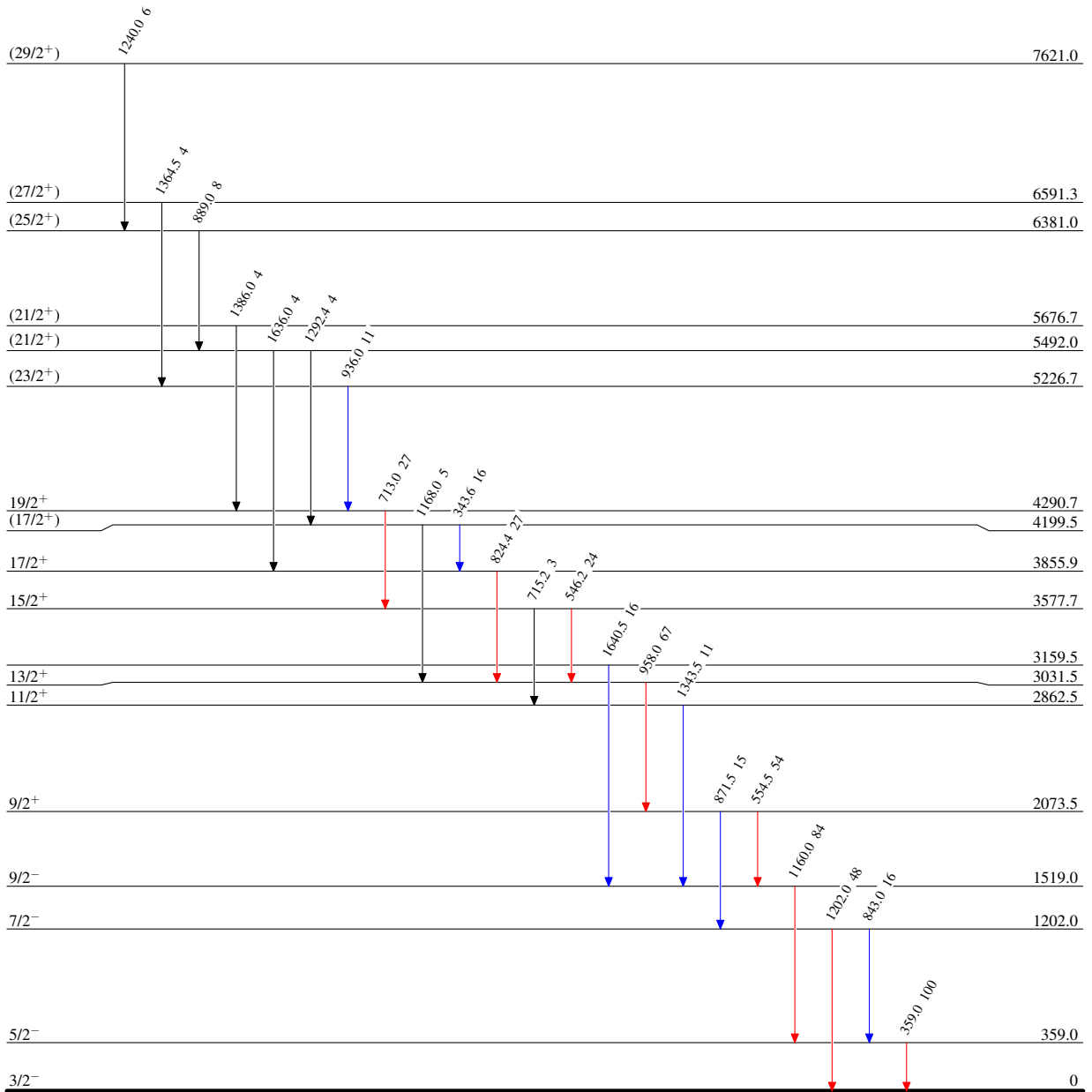
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Level Scheme

Intensities: Relative I_γ

Legend

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

 $^{67}_{31}\text{Ga}_{36}$