

$^9\text{Be}(^{36}\text{S},\text{X}\gamma)$     [2005Be60](#),[2000Be44](#),[2002Gu08](#)

| Type            | Author                        | History | Citation          | Literature Cutoff Date |
|-----------------|-------------------------------|---------|-------------------|------------------------|
| Full Evaluation | M. S. Basunia and A. M. Hurst |         | NDS 134, 1 (2016) | 1-Feb-2016             |

Others: [2002Az01](#),[2000Az03](#).

[2005Be60](#),[2000Be44](#),[2002Gu08](#),[2002Az01](#) (Same Group):  $^{26}\text{Ne}$  beam (54 MeV/u to 65 MeV/u) is obtained from fragmentation of primary  $^{36}\text{S}$  beam at 77.5 MeV/nucleon on Be target at GANIL selected through the ALPHA spectrometer and directed on a C target located at the SPEG spectrometer; Detectors: An array of 74 BaF<sub>2</sub> detectors and 4 HPGe detectors; Measured prompt E $\gamma$ ,  $\gamma\gamma$  coin, deduced level scheme. A 1800 $\gamma$  is reported in the  $^{26}\text{Ne}$  decay scheme by [2002Gu08](#) and [2002Az01](#), however, it is not confirmed by [2005Be60](#) and [2000Be44](#).

 $^{26}\text{Ne}$  Levels

| E(level) <sup>†</sup> | J $\pi$ <sup>‡</sup> |
|-----------------------|----------------------|
| 0.0                   | 0 <sup>+</sup>       |
| 2024 10               | 2 <sup>+</sup>       |
| 3523 15               |                      |
| 3695 18               |                      |

<sup>†</sup> From  $\gamma$ -ray energies.

<sup>‡</sup> From Adopted Levels.

 $\gamma(^{26}\text{Ne})$ 

| E $\gamma$ <sup>†</sup> | I $\gamma$ <sup>†</sup> | E <sub>i</sub> (level) | J $\pi$ <sub>i</sub> | E <sub>f</sub> | J $\pi$ <sub>f</sub> |
|-------------------------|-------------------------|------------------------|----------------------|----------------|----------------------|
| 1499 10                 | 50 6                    | 3523                   |                      | 2024           | 2 <sup>+</sup>       |
| 1671 15                 | 25 6                    | 3695                   |                      | 2024           | 2 <sup>+</sup>       |
| 2024 10                 | 100 9                   | 2024                   | 2 <sup>+</sup>       | 0.0            | 0 <sup>+</sup>       |

<sup>†</sup> From [2005Be60](#).  $\gamma$ -ray uncertainties quoted from [2000Be44](#).

$^9\text{Be}(^{36}\text{S},\text{X}\gamma)$  2005Be60,2000Be44,2002Gu08

Legend

Level Scheme  
Intensities: Relative  $I_\gamma$

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

