

$^9\text{Be}(^6\text{Li,t})$ 1986As02

| Type | Author | History | Citation | Literature Cutoff Date |
|-----------------|--|---------|-------------------|------------------------|
| Full Evaluation | J. H. Kelley, J. E. Purcell and C. G. Sheu | | NP A968,71 (2017) | 1-Jan-2017 |

1986As02: E=32 MeV, measured $\sigma(\theta)$, ^{12}C deduced ^3He cluster spectroscopic strength, L.

 ^{12}C Levels

| E(level) | J^π | L | $\text{C}^2\text{S} (\times 10^{-2})$ | Comments |
|--------------------|---------|-----|---------------------------------------|--|
| 0 | 0^+ | 1 | 13.28 | |
| 4.4×10^3 | 2^+ | 1,3 | | $\text{C}^2\text{S}(L=1)=0.72 \times 10^{-2}$, $\text{C}^2\text{S}(L=3)=9.08 \times 10^{-2}$. |
| 7.7×10^3 | 0^+ | 1 | 22.16 | |
| 9.6×10^3 | 3^- | 2,4 | | $\text{C}^2\text{S}(L=2)=5.74 \times 10^{-2}$, $\text{C}^2\text{S}(L=4)=24.54 \times 10^{-2}$. |
| 10.8×10^3 | 1^- | 0,2 | | $\text{C}^2\text{S}(L=0)=1.41 \times 10^{-2}$, $\text{C}^2\text{S}(L=2)=1.52 \times 10^{-2}$. |
| 11.8×10^3 | 2^- | 0,2 | | $\text{C}^2\text{S}(L=0)=1.02 \times 10^{-2}$, $\text{C}^2\text{S}(L=2)=1.14 \times 10^{-2}$. |
| 12.7×10^3 | | | | |
| 14.1×10^3 | 4^+ | 3 | 7.94 | |