
 $^{92}\text{Zr}({}^3\text{He}, {}^3\text{He}')$ 1967Bi08, 1968Ru01

| Type | Author | History Citation | Literature Cutoff Date |
|-----------------|-----------------|----------------------|------------------------|
| Full Evaluation | Coral M. Baglin | NDS 113, 2187 (2012) | 15-Sep-2012 |

Other: 1981Ya02.

1967Bi08: $E({}^3\text{He})=51.3$ MeV; surface barrier and Li-drifted Si telescope, FWHM ≈ 200 keV; $\theta(\text{lab})=10^\circ-76^\circ$; 93.2% enriched ^{92}Zr target.1968Ru01: $E({}^3\text{He})=25$ MeV; surface barrier detectors, resolution not stated.1981Ya02: $E({}^3\text{He})=110-140$ MeV; two sets of Si detector telescopes, FWHM=150-300 keV; $\theta=20^\circ$. Observed low energy and high energy octupole resonances and GQR.

 ^{92}Zr Levels

| E(level) [†] | L [@] | β_L [#] | Comments |
|--------------------------|------------------|------------------------|---|
| 0.0 | | | |
| 930 | 2 | 0.10 | |
| 1500 [‡] | (4) [‡] | 0.041 | |
| 1850 | 2 | 0.07 | |
| 2340 | 3 | 0.16 | |
| 7.0×10^3 4 | | | E: from 1981Ya02. Low energy octupole giant resonance. |
| $\approx 15 \times 10^3$ | | | E: from 1981Ya02; GQR. |
| 26.0×10^3 15 | | | E: From 1981Ya02. High energy octupole giant resonance; $\Gamma \approx 7$ MeV. |

[†] Mean value from 1967Bi08 and 1968Ru01, unless indicated otherwise. Additional, probably complex, peaks appear in the spectrum of 1967Bi08.

[‡] From 1967Bi08 only. Had the 1380 level been excited, it could not have been resolved from this state.

β_L values; from 1967Bi08 for 1500 level, from 1968Ru01 otherwise.

@ From 1968Ru01, except As noted.