

Table 5.2 from (1979AJ01):  
Resonance parameters for the  $\frac{3}{2}^+$  states observed in  ${}^3\text{H}(\text{d}, \text{n}){}^4\text{He}$  and  ${}^3\text{He}(\text{d}, \text{p}){}^4\text{He}$  <sup>a</sup>

| $E_r$<br>(keV)   | $\Gamma_{\text{lab}}$<br>(keV) | $l_d$ | $J^\pi$         | $l_{\text{np}}$ | $R$<br>(fm) | $E_\lambda$<br>(keV) | $\gamma_d^2$<br>(keV) | $\gamma_{\text{np}}^2$<br>(keV) | $\theta_d^2$ <sup>d</sup> | $\theta_{\text{np}}^2$ <sup>d</sup> | $E_x$<br>(MeV) |
|------------------|--------------------------------|-------|-----------------|-----------------|-------------|----------------------|-----------------------|---------------------------------|---------------------------|-------------------------------------|----------------|
| 107 <sup>b</sup> | 135                            | 0     | $\frac{3}{2}^+$ | 2               | 5.0         | -464                 | $2000 \pm 500$        | $50 \pm 10$                     | 1.0                       | 0.018                               | 16.76          |
| 450 <sup>c</sup> | $\approx 450$                  | 0     | $\frac{3}{2}^+$ | 2               | 7.0         | -126                 | 715                   | 17                              | 0.7                       | 0.011                               | 16.66          |
|                  |                                |       |                 |                 | 5.0         | -391                 | 2930                  | 42                              | 1.4                       | 0.013                               |                |
|                  |                                |       |                 |                 | 7.0         | 129                  | 780                   | 12                              | 0.7                       | 0.008                               |                |

<sup>a</sup> See also (1974KR07, 1976AH1A, 1977BO24, 1977DO01).

<sup>b</sup>  ${}^3\text{H}(\text{d}, \text{n}){}^4\text{He}$ .

<sup>c</sup>  ${}^3\text{He}(\text{d}, \text{p}){}^4\text{He}$ .

<sup>d</sup> Units of  $3\hbar^2/2MR^2$ .