

Table 5.2 from (1966LA04): Ground state of  ${}^5\text{He}$  <sup>a</sup>

$Q({}^4\text{He} + \text{n})$ (keV)	$\Gamma_{\text{c.m.}}$ (keV)	Reaction	Reference
$900 \pm 70$		6	<a href="#">1953AL1A</a>
$950 \pm 70$		6	<a href="#">1953MO61</a>
$800 \pm 100$		6	<a href="#">1960YO06</a>
$790 \pm 30$	$630 \pm 36$	6	<a href="#">1963SM03</a>
$920 \pm 40$		7	<a href="#">1964ST25</a>
$880 \pm 50$		9	<a href="#">1954FR22</a>
	$550 \pm 30$	9	<a href="#">1957WA01</a>
$850 \pm 50$	$570 \pm 20$	9	<a href="#">1964OH01</a>
$1090 \pm 100$	1100	12	<a href="#">1954FR03</a>
$890 \pm 90$	$690 \pm 200$	14	<a href="#">1955LE24</a>
$970 \pm 40$	$700 \pm 200$	15	<a href="#">1956CR47</a>
$900 \pm 100$		18	<a href="#">1951FR1A</a>
$900 \pm 100$	$300 \pm 100$	18	<a href="#">1953CU20</a>
$1400 \pm 20$		18	<a href="#">1955KH31</a>
$860 \pm 90$	$660 \pm 200$	18	<a href="#">1955LE24</a>
$1000 \pm 50$		18	<a href="#">1958WE27</a>
$891 \pm 51$	$577 \pm 15$		mean

<sup>a</sup> See ([1964OH01](#)). Cited  $Q$  values represent peaks in particle spectra; because of penetration factors, they require corrections if the energy corresponding to  $90^\circ$  n- $\alpha$  phase shift is desired. For reactions [7](#) and [9](#), ([1964OH01](#)) give  $Q(90^\circ) = -900 \pm 40$  and  $-930 \pm 70$  keV respectively. In the present article we have preferred to use the ([1965MA54](#)) value of  $-958 \pm 19$  keV.