

Table 9.6 from (1966LA04): The  ${}^9\text{Be}(\gamma, n){}^8\text{Be}$  cross section

$E_\gamma$ (MeV)	$\sigma$ (mb)	References
1.69 ( ${}^{124}\text{Sb}$ )	$1.262 \pm 0.069$	<a href="#">1959GI48</a>
	$1.31 \pm 0.08$	<a href="#">1962JO17</a>
1.69 (brems.)	$1.2 \pm 0.12$	<a href="#">1960WA06</a>
1.70 (brems.)	$1.15 \pm 0.15$	<a href="#">1961JA13</a>
1.72 ( ${}^{206}\text{Bi}$ )	$1.22 \pm 0.11$	<a href="#">1962JO17</a>
1.77 ( ${}^{56}\text{Mn}$ )	0.6	<a href="#">1948RU1A</a> : see <a href="#">1953HA1B</a> , <a href="#">1957ED01</a>
1.78 ( ${}^{28}\text{Al}$ )	$0.88 \pm 0.06$	<a href="#">1962JO17</a>
1.85 ( ${}^{88}\text{Y}$ )	$0.654 \pm 0.031$	<a href="#">1959GI48</a>
2.185 ( ${}^{144}\text{Pr}$ )	0.39	<a href="#">1953HA1B</a>
2.40 (brems.)	$0.55 \pm 0.1$	<a href="#">1961JA13</a>
2.5 ( ${}^{140}\text{La}$ )	0.5	<a href="#">1948RU1A</a> : see <a href="#">1953HA1B</a>
2.61 (THC'')	$0.39 \pm 0.02$	<a href="#">1957ED01</a>
2.76 ( ${}^{24}\text{Na}$ )	0.7	<a href="#">1948RU1A</a> : see <a href="#">1953HA1B</a>
	$0.674 \pm 0.05$	<a href="#">1950SN67</a>
2.95 (brems.)	$1.2 \pm 0.2$	<a href="#">1961JA13</a>
4.4 ( ${}^{15}\text{N}(\text{p}, \alpha){}^{12}\text{C}$ )	$0.186 \pm 0.32$	<a href="#">1957ED01</a>
4.6 (brems.)	$1.0 \pm 0.3$	<a href="#">1961JA13</a>
6.2 ( ${}^{19}\text{F}(\text{p}, \alpha){}^{16}\text{O}$ )	$1.13 \pm 0.1$	<a href="#">1957ED01</a>
8.1 ( ${}^{13}\text{C}(\text{p}, \gamma){}^{14}\text{N}$ )	$1.38 \pm 0.16$	<a href="#">1957ED01</a>
10 <sup>a</sup> (brems.)	1.6	<a href="#">1953NA1A</a>
11.25 $\pm$ 0.2 <sup>b</sup> (brems.)	4.7	<a href="#">1959TH15</a>
12 (brems.)	$\approx 0$	<a href="#">1959TH15</a>
13.25 $\pm$ 0.2 <sup>c</sup> (brems.)	3.3	<a href="#">1959TH15</a>
14.2 (brems.)	0.1	<a href="#">1959TH15</a>
16 (brems.)	1.0	<a href="#">1959TH15</a>
18 (brems.)	0.8	<a href="#">1953NA1A</a> , <a href="#">1959TH15</a>
22 <sup>d</sup> (brems.)	3.0	<a href="#">1953NA1A</a>
25 – 320 (brems.)	3 – 2	<a href="#">1953JO1B</a>

<sup>a</sup> Broad resonance:  $\Gamma \approx 8$  MeV.

<sup>b</sup>  $(2J + 1)\Gamma_\gamma = 530$  eV.

<sup>c</sup>  $(2J + 1)\Gamma_\gamma = 720$  eV.

<sup>d</sup> Giant resonance.