

Table 12.16 from (1968AJ02): Integrated cross sections,  $^{12}\text{C} + \gamma$ 

Range in $E_\gamma$ (MeV)	$\int \sigma dE$ (MeV · mb)	Reaction	Refs.
10 – 27	120	$\sigma(\text{tot})$	(1959KO55)
11 – 32	$200 \pm 35$	$\sigma(\text{tot})$	(1960TA15)
0 – 30	$130 \pm 20$	$\sigma(\text{tot})$	(1960ZI01)
0 – 27	$84 \pm 10^a$	$\sigma(\text{tot})$	(1963BU1G)
0 – 35	144.0	$\sigma(\text{tot})$	(1965WY02)
13 – 80	$377 \pm 60$	$\sigma(\text{tot})$	(1960WY1A) <sup>b</sup>
0 – 24	22	$(\gamma, n)$	(1961RO1C)
0 – 25	29	$(\gamma, n)$	(1953MO1B)
0 – 25	$27 \pm 5$	$(\gamma, n)$	(1954NA02)
0 – 25	$32 \pm 3$	$(\gamma, n)$	(1955BA63)
0 – 25	34	$(\gamma, n)$	(1957CO57)
0 – 26	$29.4 \pm 3$	$(\gamma, n)$	(1966MI04)
0 – 28	39.2	$(\gamma, n)$	(1965MI03)
20 – 27	36	$(\gamma, n)$	(1966LO04)
20.5 – 26.5	40.5	$(\gamma, n)$	(1966CO09)
0 – 38	$56 \pm 3$	$(\gamma, n)$	(1955BA63)
0 – 37	$46.2 \pm 4$	$(\gamma, n)$	(1966FU02)
0 – 38	$59 \pm 5$	$(\gamma, n)$	(1966CO09)
35 – 70	$30 \pm 5$	$(\gamma, n)$	(1966FO06)
0 – 65	$77 \pm 6$	$(\gamma, n)$	(1966CO09)
0 – 250	$80 \pm 10$	$(\gamma, n)$	(1955BA63)
0 – 300	$90 \pm 22$	$(\gamma, n)$	(1951ST89)
0 – 24	$46^c$	$(\gamma, p)$	(1956CO59)
20 – 26	43	$(p, \gamma)$	(1961GO13)
20 – 26	[58]	$(p, \gamma)$	(1964AL20)
20 – 29	$50 \pm 8$	$(\gamma, p)$	(1962DO1A)
0 – 24	$41 \pm 9$	$(\gamma, p)$	(1961VA10)
0 – 37	102	$(\gamma, p)$	(1964TA1G)
0 – 40	$77 \pm 18$	$(\gamma, p)$	(1961VA10)
0 – 40	$55 \pm 13$	$(p, \gamma)$	(1963RE09)
0 – 170	$122 \pm 5$	$(\gamma, p)$	(1964TA1G)

- <sup>a</sup> See, however, ([1965WY02](#); p. 591).
- <sup>b</sup> See also ([1965WY02](#)).
- <sup>c</sup> As corrected by ([1961VA10](#)).