

Table 12.41 from (2017KE05): Studies of elastic and inelastic  $^{12}\text{C} + ^{16}\text{O}$  scattering reactions

$E$ (MeV)	To states in $^{12}\text{C}$ at $E_x$ (MeV)	References
$E(^{16}\text{O}) = 20-80$	g.s., 4.44	See references in (1975AJ02)
$E(^{16}\text{O}) = 17.29-315$ and $E(^{12}\text{C}) = 65, 76.8$	g.s., 4.4, 14.1, 26	See references in (1980AJ01)
$E(^{16}\text{O}) = 21-315$ and $E(^{12}\text{C}) = 77$	g.s.	See references in (1985AJ01)
$E(^{16}\text{O}) = 62-1503$	g.s., 4.44	See references in (1990AJ01)
$E_{\text{cm}} = 15-34$	7.65 <sup>a</sup>	(1999FO16)
$E_{\text{cm}} = 17.4-23.0$	g.s., 4.44	(2004SU10)
20, 24, 28	g.s.	(2011HA23)
$E(^{12}\text{C}) = 21$	g.s.	(2011HA23)
24	g.s.	(2002LI67)
28	g.s.	(2014HA34)
28.5-33.5	4.44 (m-state population) <sup>a</sup>	(1994SU09)
$E_{\text{cm}} \approx 30$	4.44 <sup>a</sup>	(2002FU14)
$E(^{16}\text{O}) = 47.5$	quasielastic	(2009FA07)
51-66	7.65, 9.64	(1996FR09)
62-124	g.s. <sup>b</sup>	(2000NI03, 2001SZ05)
62-124	g.s., 4.44	(2006SZ06)
99	g.s. 4.44	(1995FR05)
132	g.s. <sup>b</sup>	(1998OG02, 2007GL01)
170, 200, 230, 260	g.s. <sup>b</sup>	(2000OG06)
170, 181, 200, 230, 260, 281	g.s., 4.44 <sup>b</sup>	(2014OH04)
181, 281	g.s. <sup>b</sup>	(2001GL12)
300	g.s. <sup>b</sup>	(2001BR17)

<sup>a</sup> Studies of  $^{28}\text{Si}$  resonances.

<sup>b</sup> Studies of large angle scattering and Airy structures.