

Table 12.18 from (2017KE05): Charge-dependent matrix element between $^{12}\text{C}^*(12.71, 15.11)$ ($J^\pi = 1^+$; $T = 0$ and 1 , respectively) ^a

| Charge-dependent matrix element (keV) | Reaction | Reference |
|---------------------------------------|--|------------|
| 110 ± 30 | $^{10}\text{B}(^3\text{He}, \text{p})$ | (1977AD02) |
| 260 ± 60 | $^{10}\text{B}(^3\text{He}, \text{p}), ^{11}\text{B}(^3\text{He}, \text{d})$ | (2009KI13) |
| 285 ± 30 | $^{10}\text{B}(\alpha, \text{d})$ | (1977LI02) |
| 130-165 | $^{12}\text{C}(\text{e}, \text{e})$ | (1979FL08) |
| $+118 \pm 8$ | $^{12}\text{C}(\text{e}, \text{e})$ | (2000VO04) |
| 148 ± 29 | $^{12}\text{C}(\pi^\pm, \pi^\pm)$ | (1981MO07) |
| 157 ± 35 | $^{12}\text{C}(\pi^\pm, \pi^\pm)$ | (1990JA05) |
| 324 ± 33 | $^{12}\text{C}(\text{d}, \text{d})$ | (1977LI02) |
| 180 ± 80 | $^{13}\text{C}(\text{d}, \text{t})$ | (1977LI02) |
| 120 ± 30 | $^{13}\text{C}(\text{d}, \text{t})$ | (1979CO08) |
| 340 ± 60 | $^{13}\text{C}(^3\text{He}, \alpha)$ | (1974BA42) |

^a See also reactions 44 and 86 in (1980AJ01).