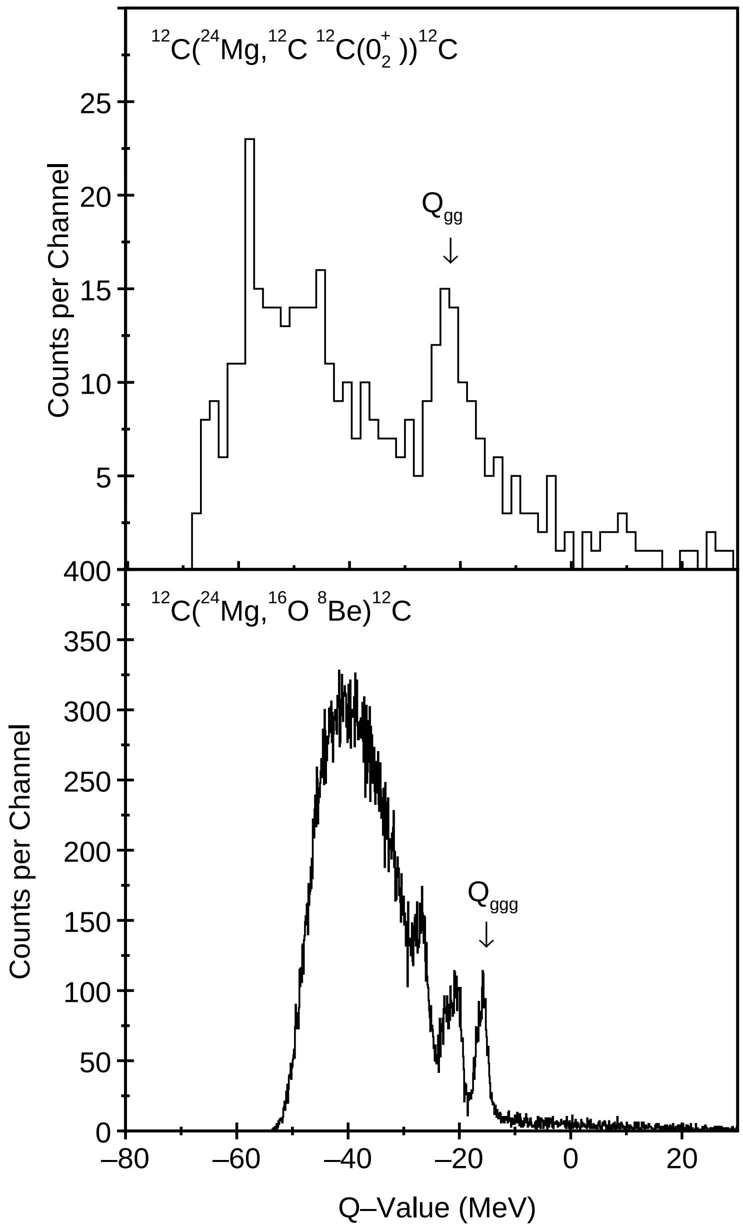
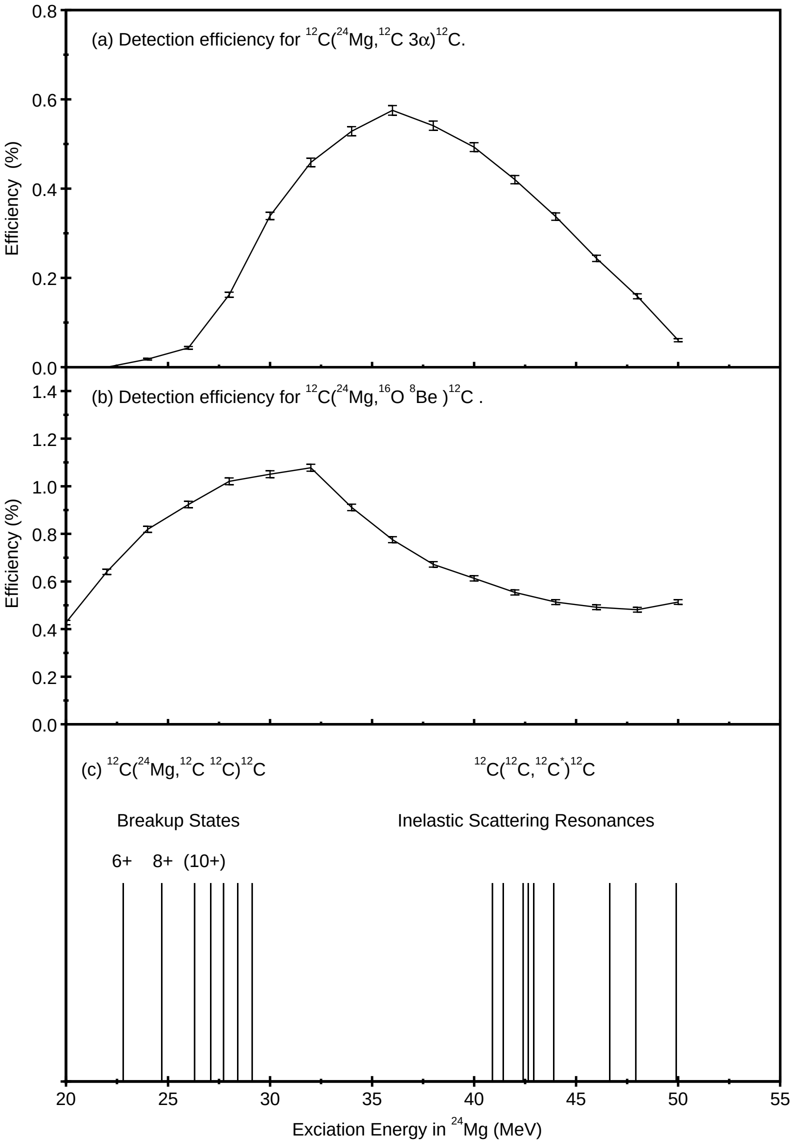


$^{12}C(^{24}Mg,^{12}C\ ^{12}C(0_2^+))^{12}C$
Q_{gg}
Counts per Channel
$^{12}C(^{24}Mg,^{16}O\ ^{8}Be)^{12}C$
Q_{ggg}
Counts per Channel
Q–Value (MeV)


(a) Detection efficiency for 12C(24Mg,12C 3α)12C.
Efficiency (%)
0.0
0.2
0.4
0.6
0.8
(b) Detection efficiency for 12C(24Mg,16O 8Be)12C .
Efficiency (%)
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
(c) 12C(24Mg,12C 12C)12C
12C(12C,12C*)12C
Breakup States
Inelastic Scattering Resonances
6+
8+
(10+)
20
25
30
35
40
45
50
55
Exciation Energy in 24Mg (MeV)