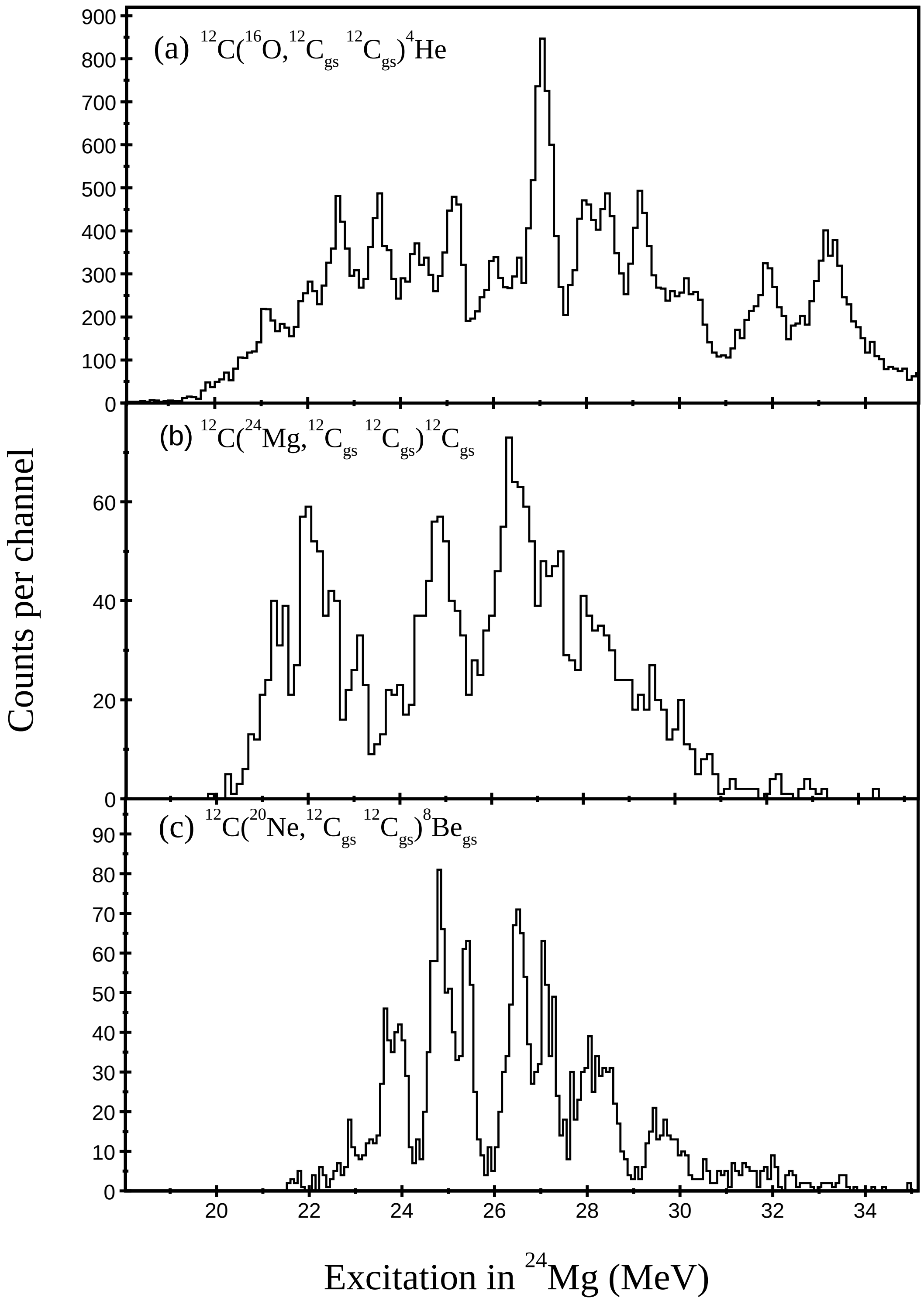

(a) $^{12}C(^{16}O,^{12}C_{gs}\ ^{12}C_{gs})^{4}He$
(b) $^{12}C(^{24}Mg,^{12}C_{gs}\ ^{12}C_{gs})^{12}C_{gs}$
(c) $^{12}C(^{20}Ne,^{12}C_{gs}\ ^{12}C_{gs})^{8}Be_{gs}$
Counts per channel
Excitation in ^{24}Mg (MeV)