

Group meeting

WD 的调整

在低能的情况下，对与弹性微分散射截面后角区的会偏小，这是由于surface absorption 太强所导致的，因此，我们要对表面吸收项的系数 WD 进行一个调整。

我们将 WD 乘以一个系数 γ ，让 γ 在0到1的范围内以0.01的步长变化，每变化一次就计算一次微分散射截面，并求计算值和实验值的方差 χ^2 。

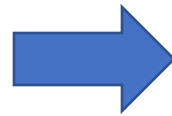
$$\chi^2 = \sum \left[\frac{d\sigma}{d\Omega}(i)_{cal} - \frac{d\sigma}{d\Omega}(i)_{exp} \right]^2$$

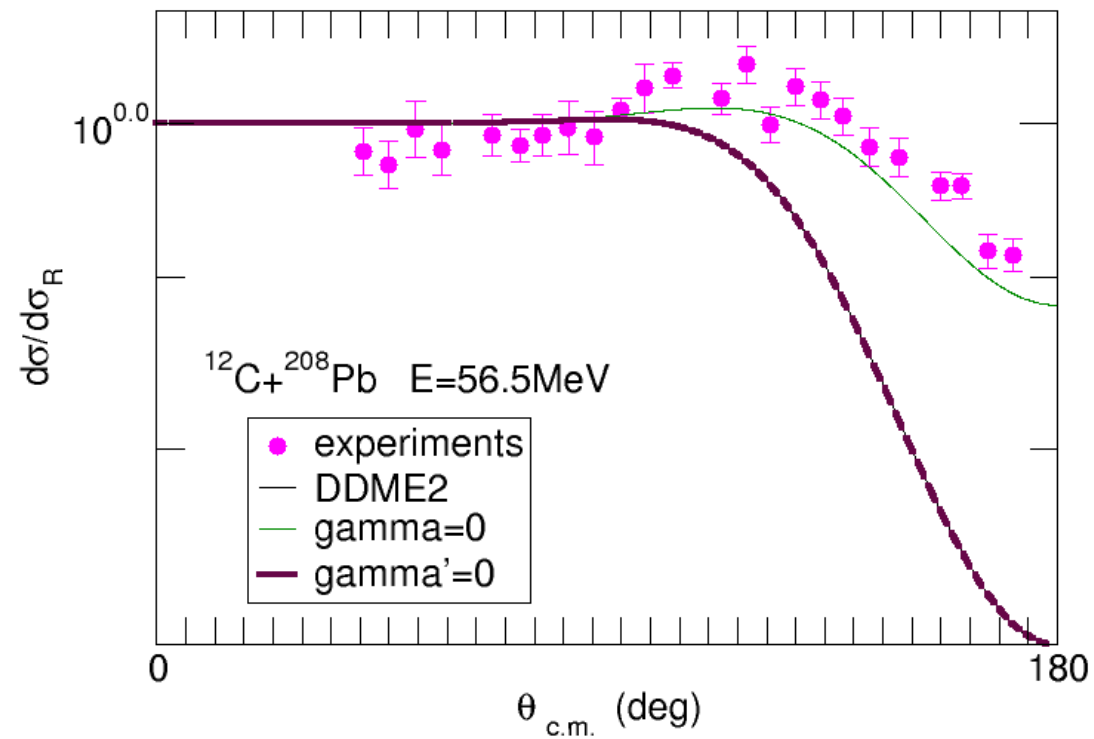
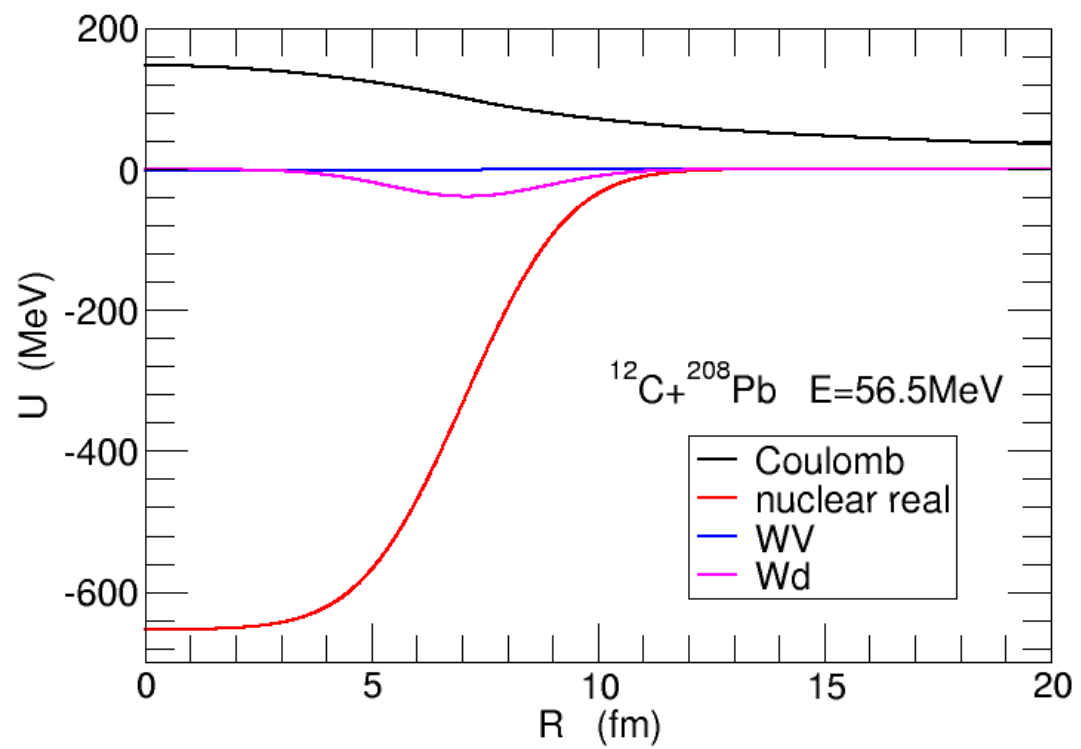
选取当 χ^2 有最小值时的那次计算的微分散射截面，看看其与实验数据是符合的较好。

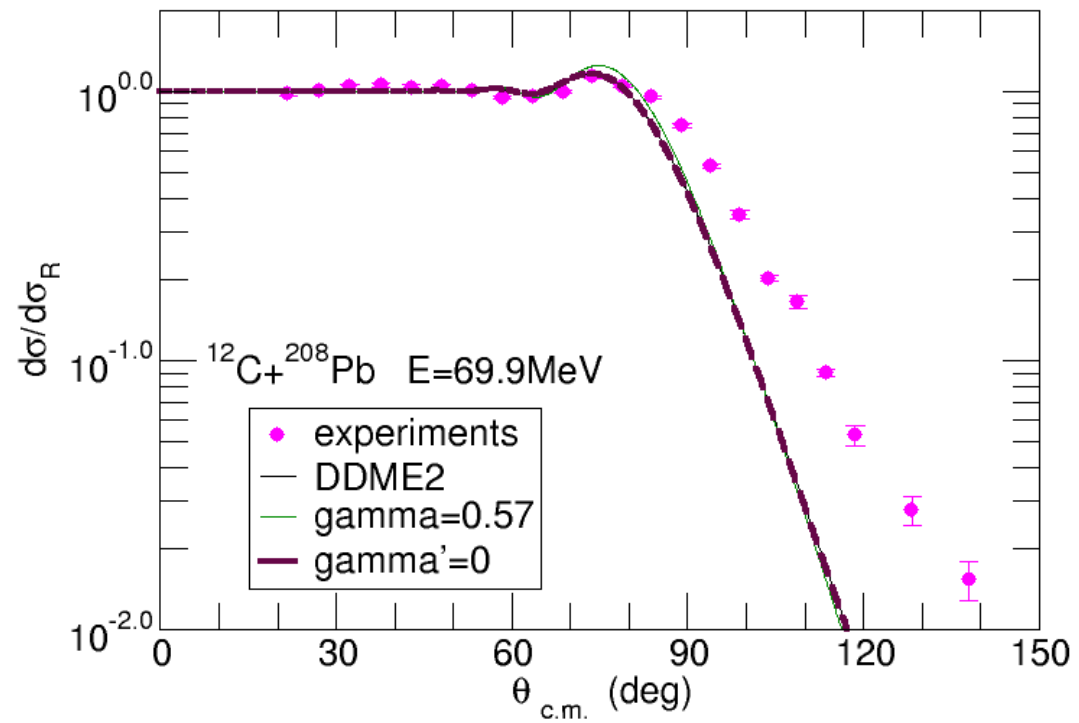
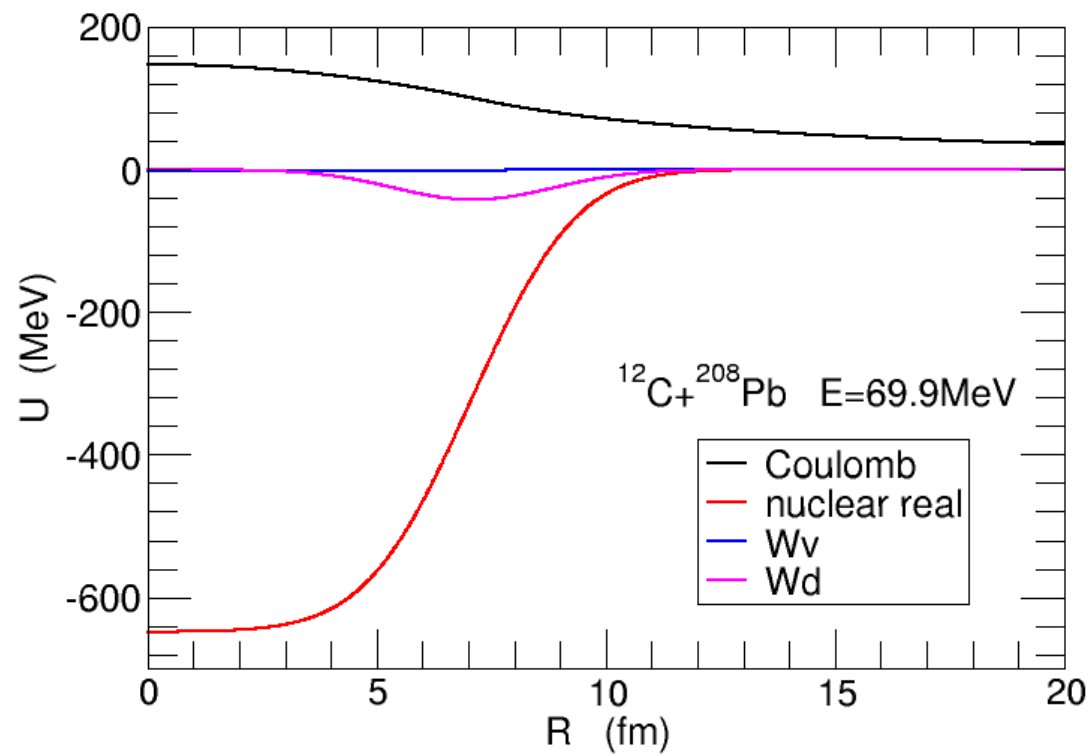
WD 的调整

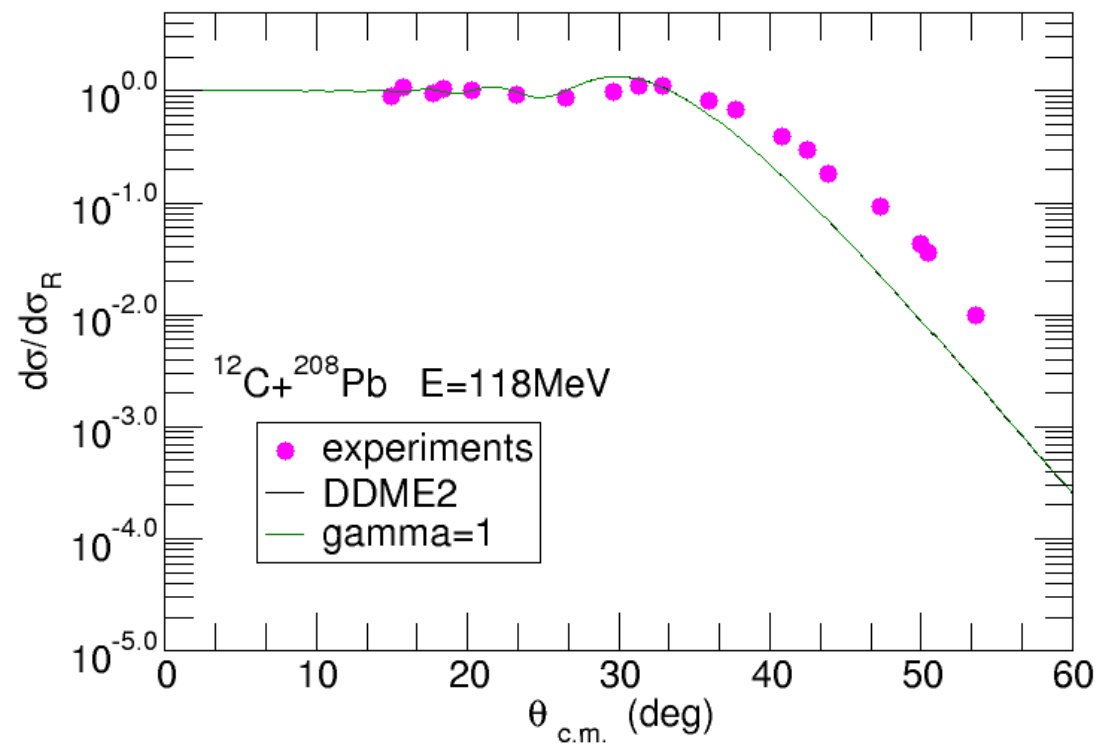
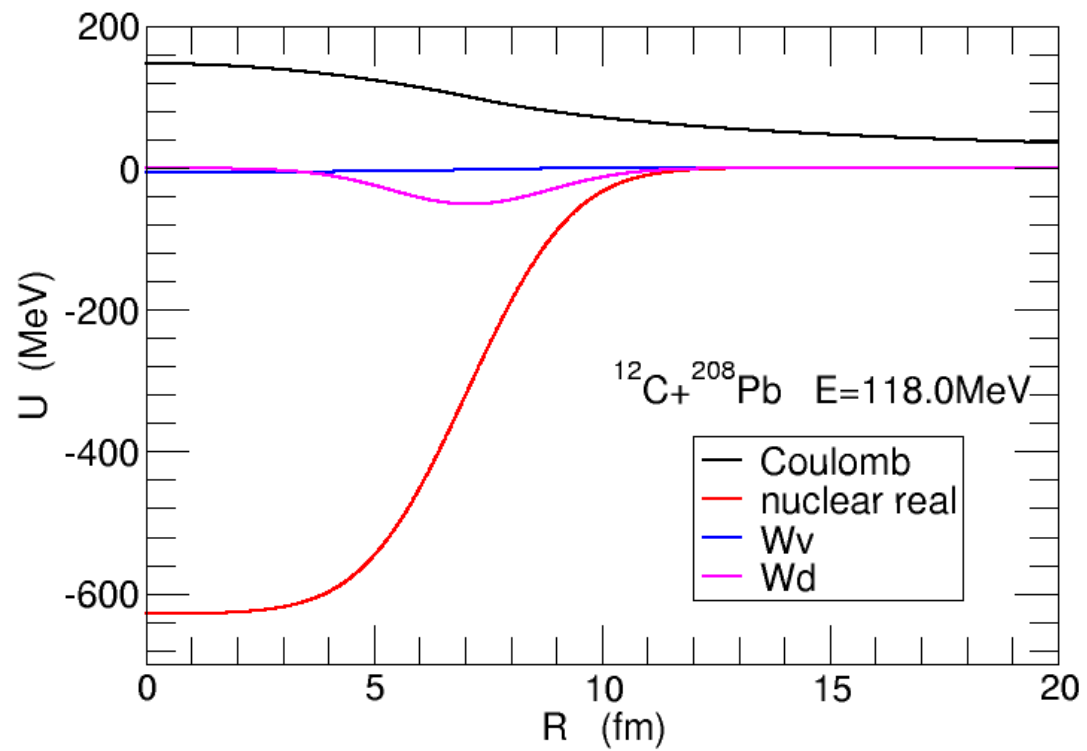
C12+Pb208 体系

E (MeV)	gamma
56.5	0.00
57.0	0.00
58.9	0.05
60.9	0.00
62.9.	0.30
64.9	0.37
69.9	0.57
74.9	0.67
84.9	0.92
118.0	1.00

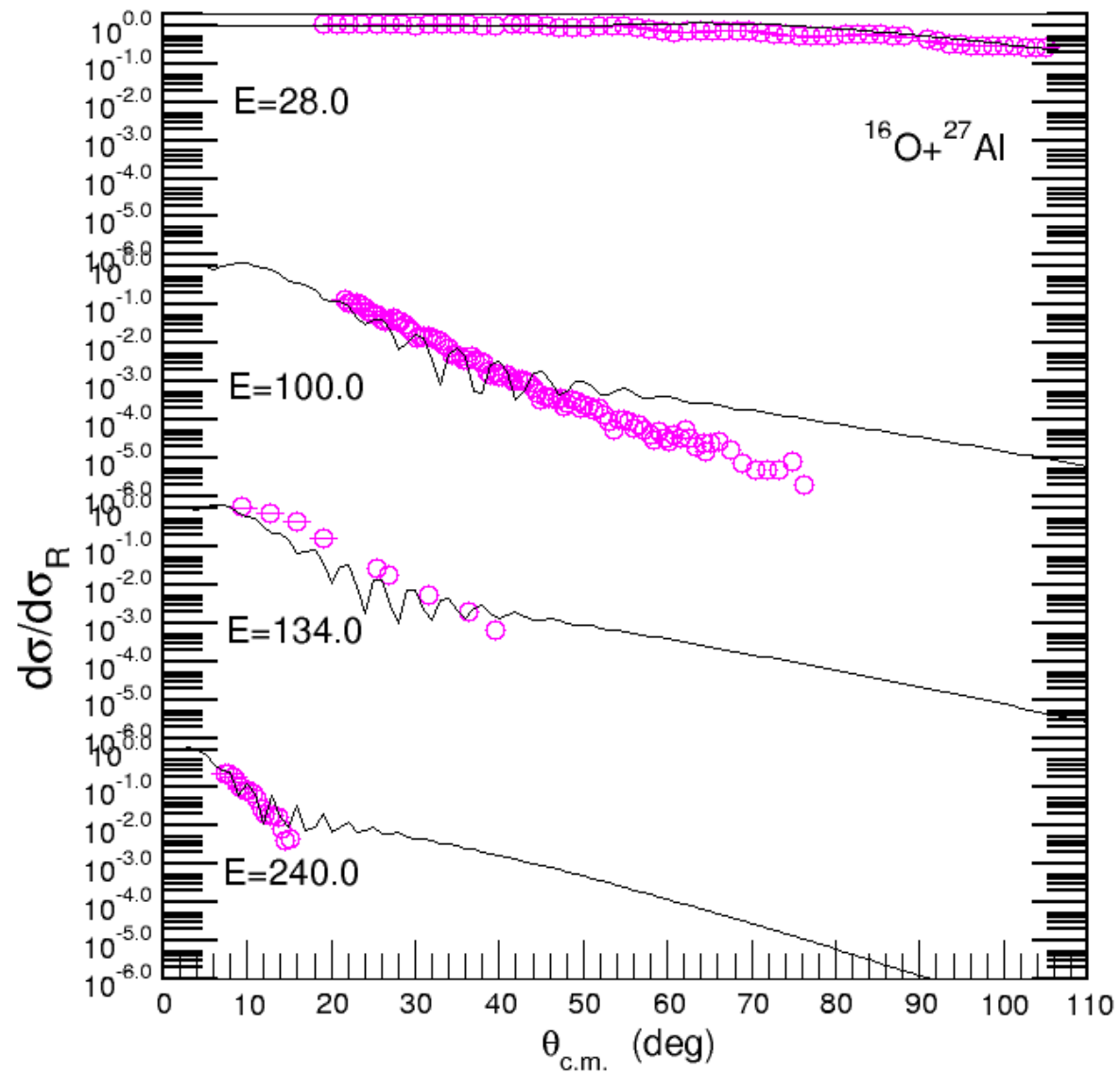
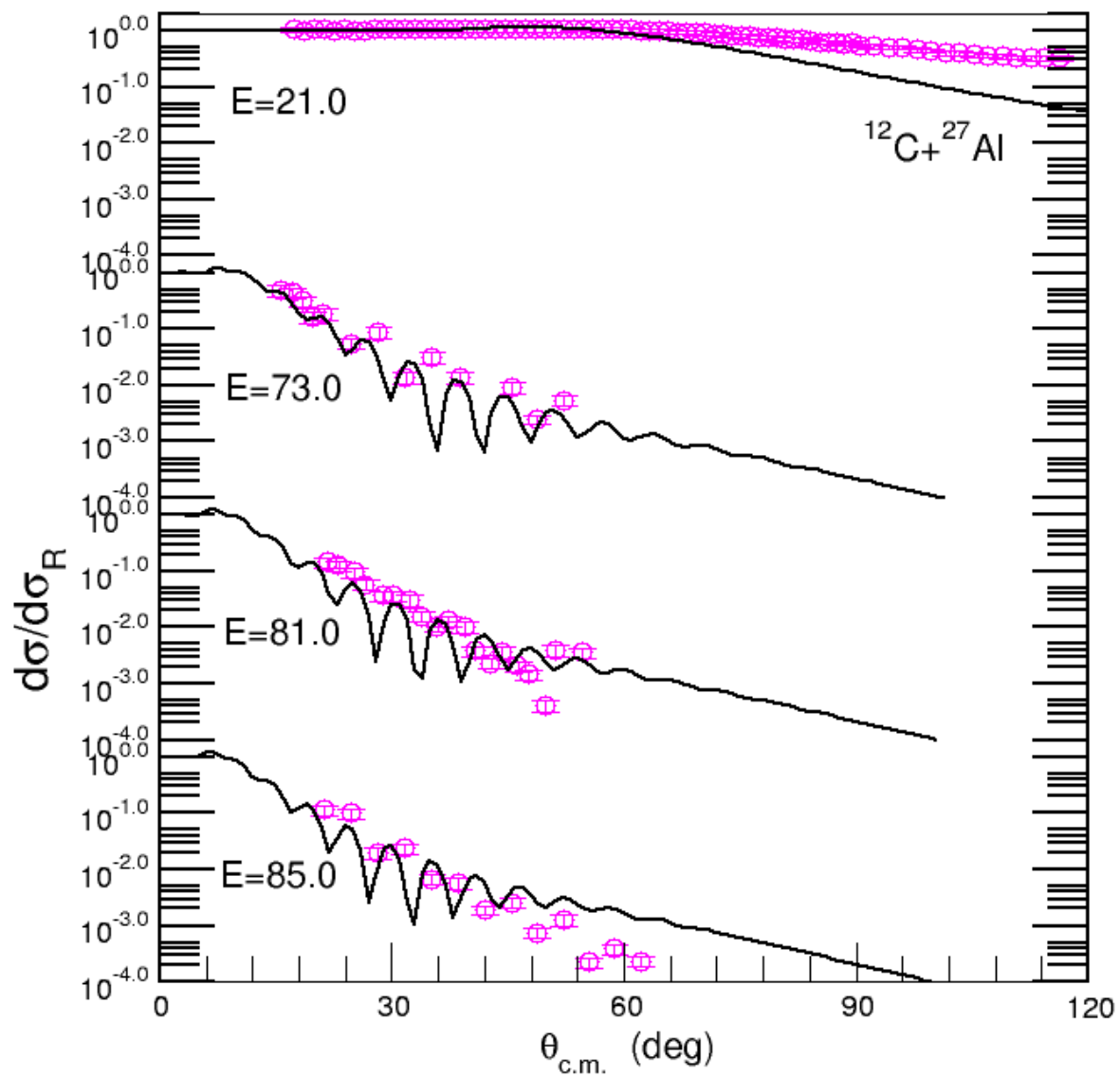


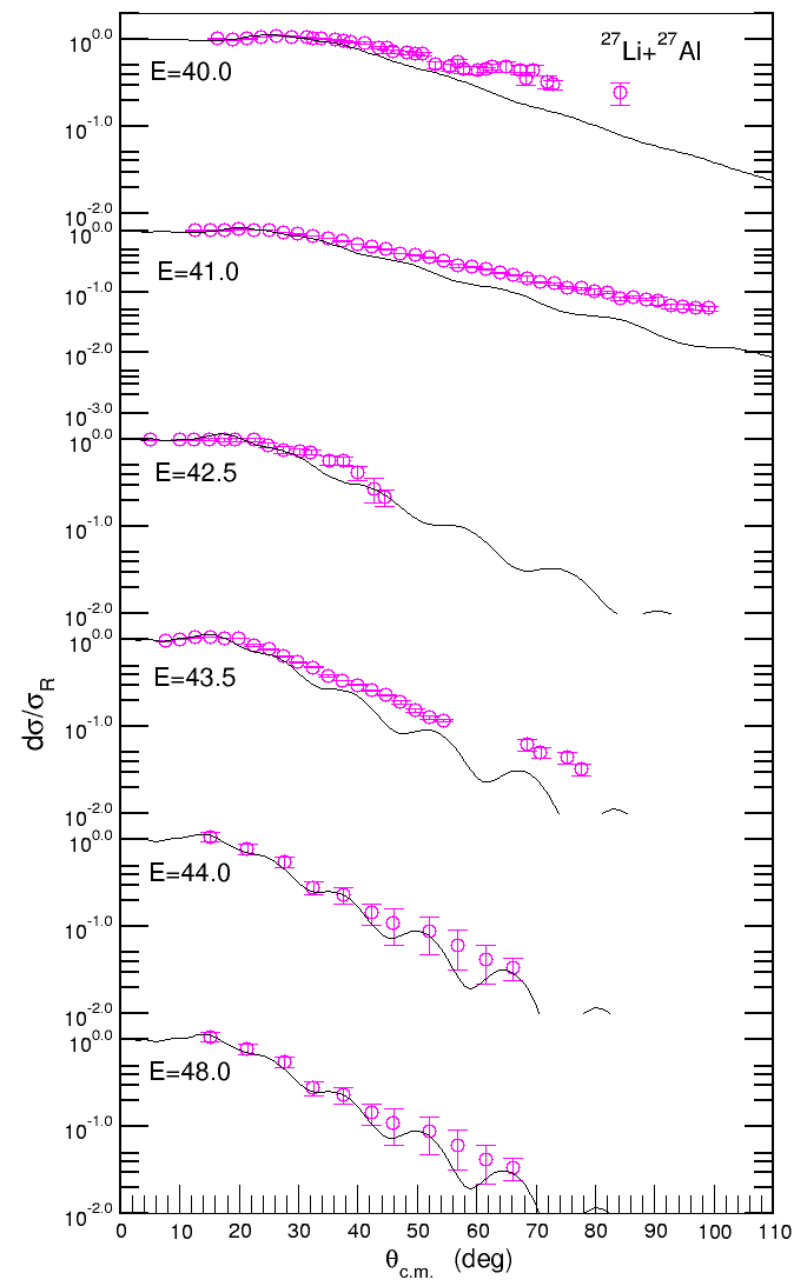
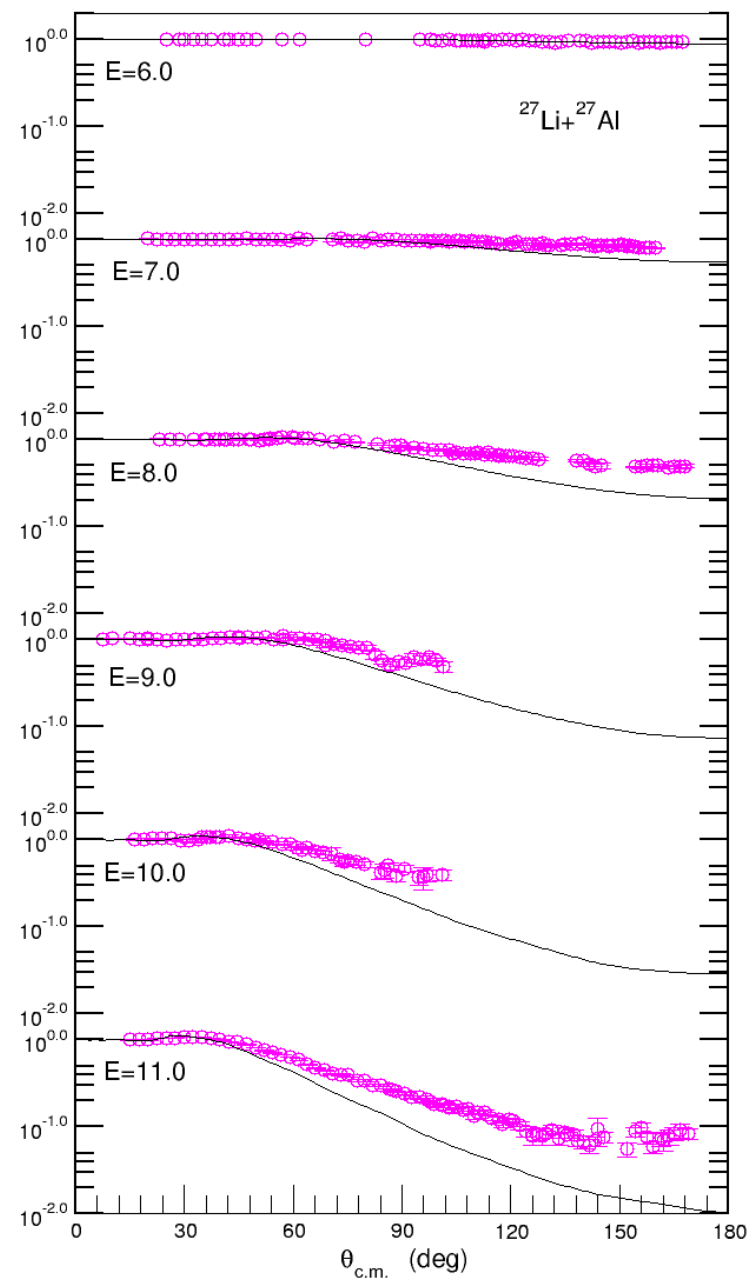
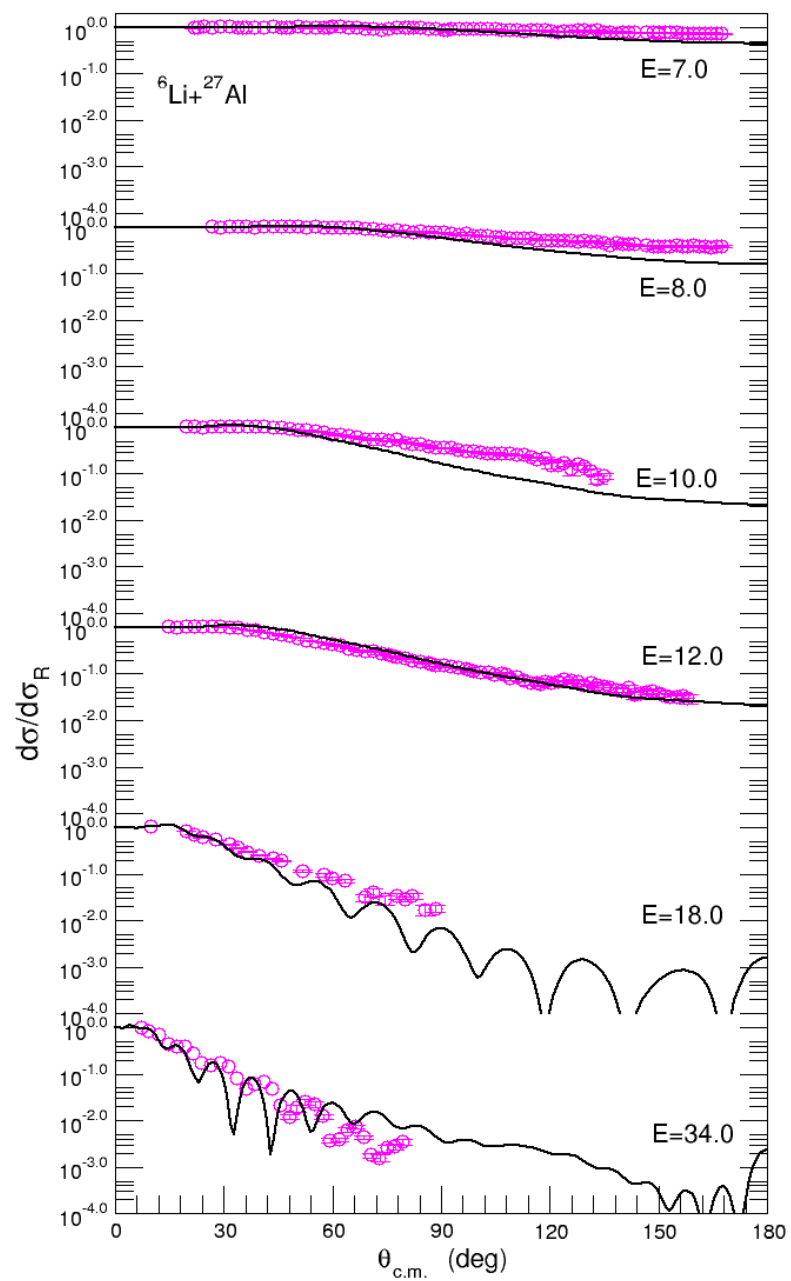




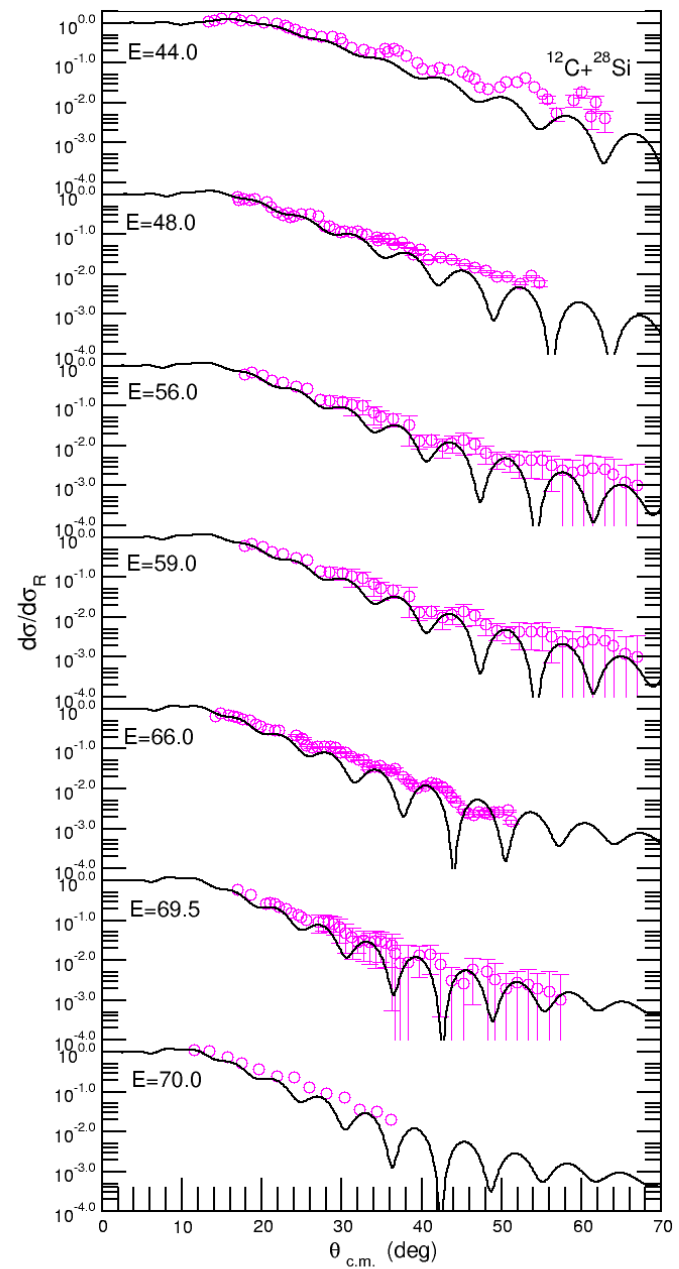
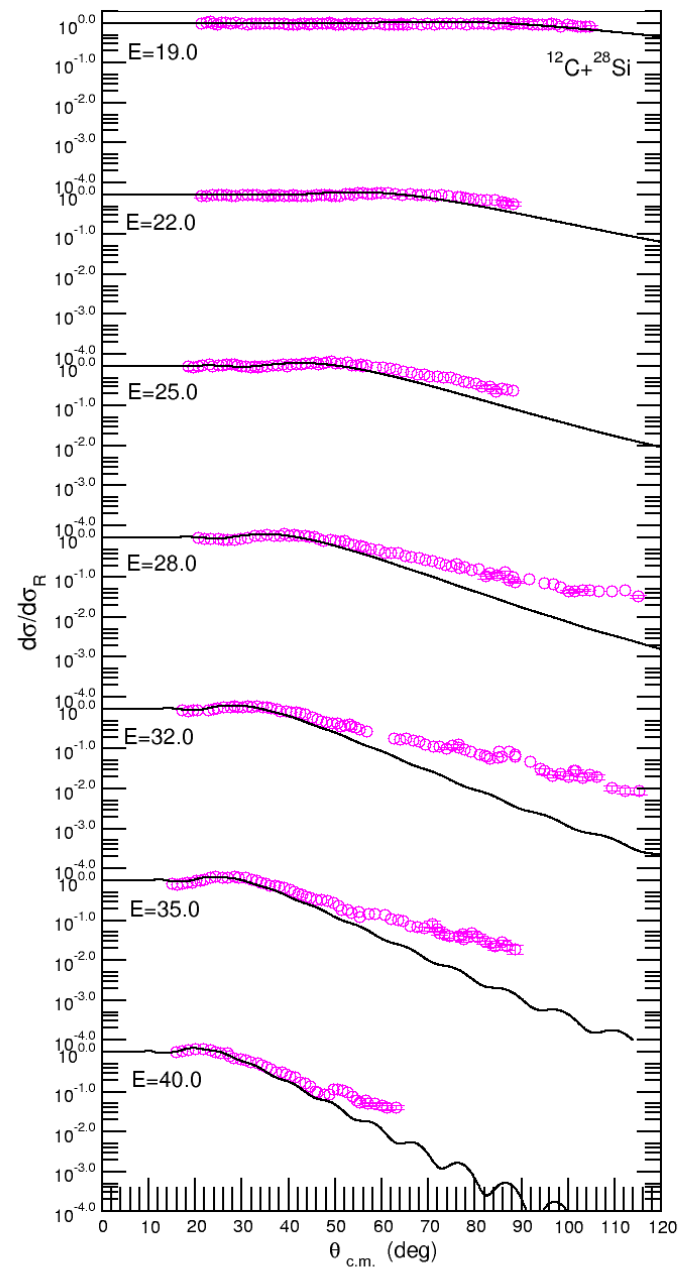


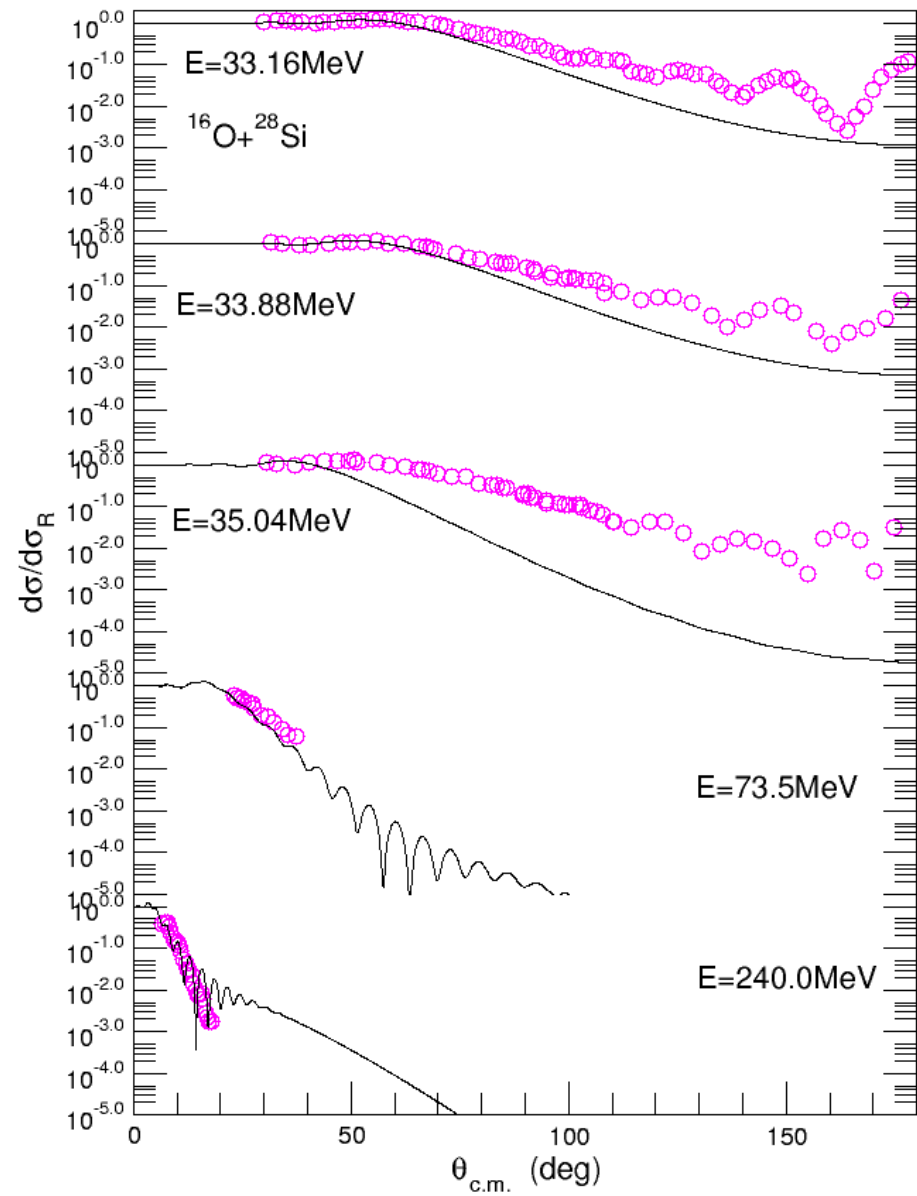
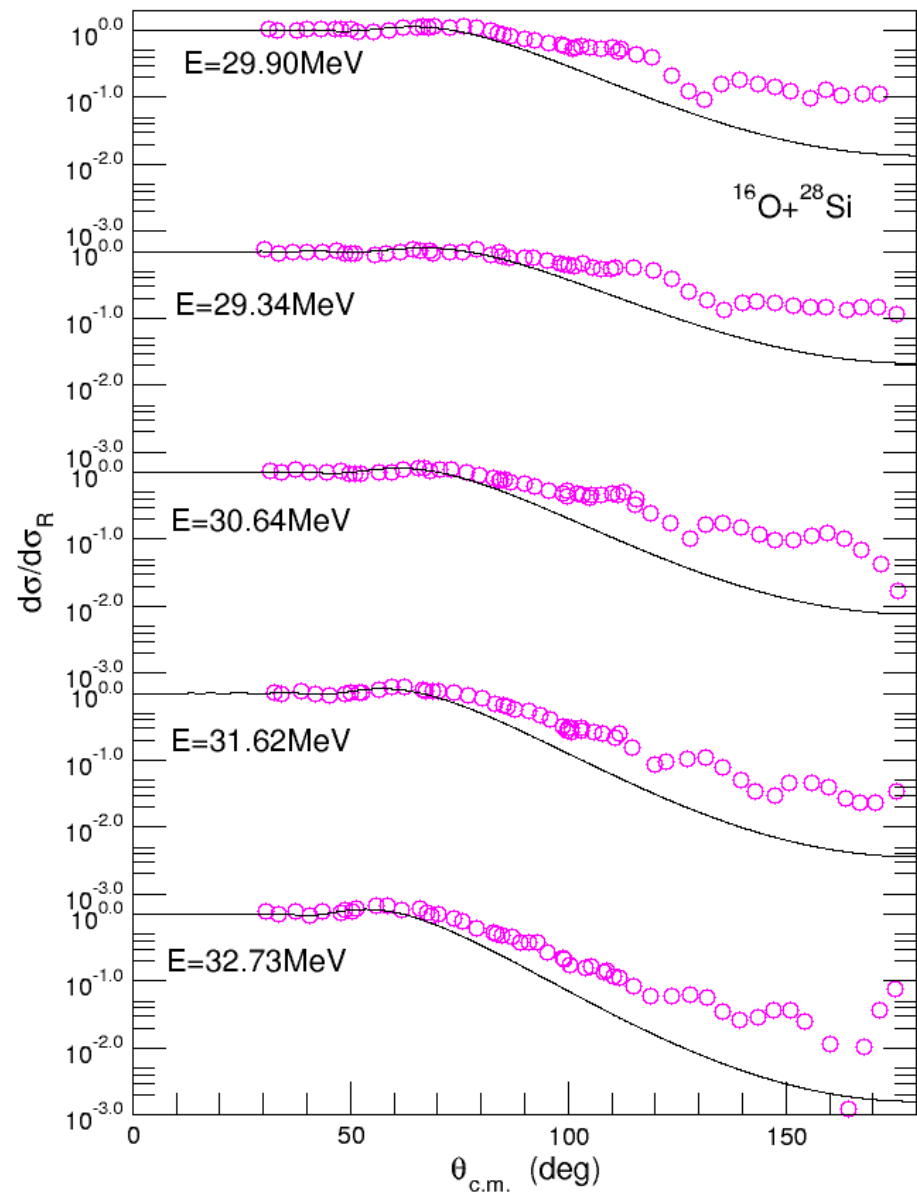
AI27

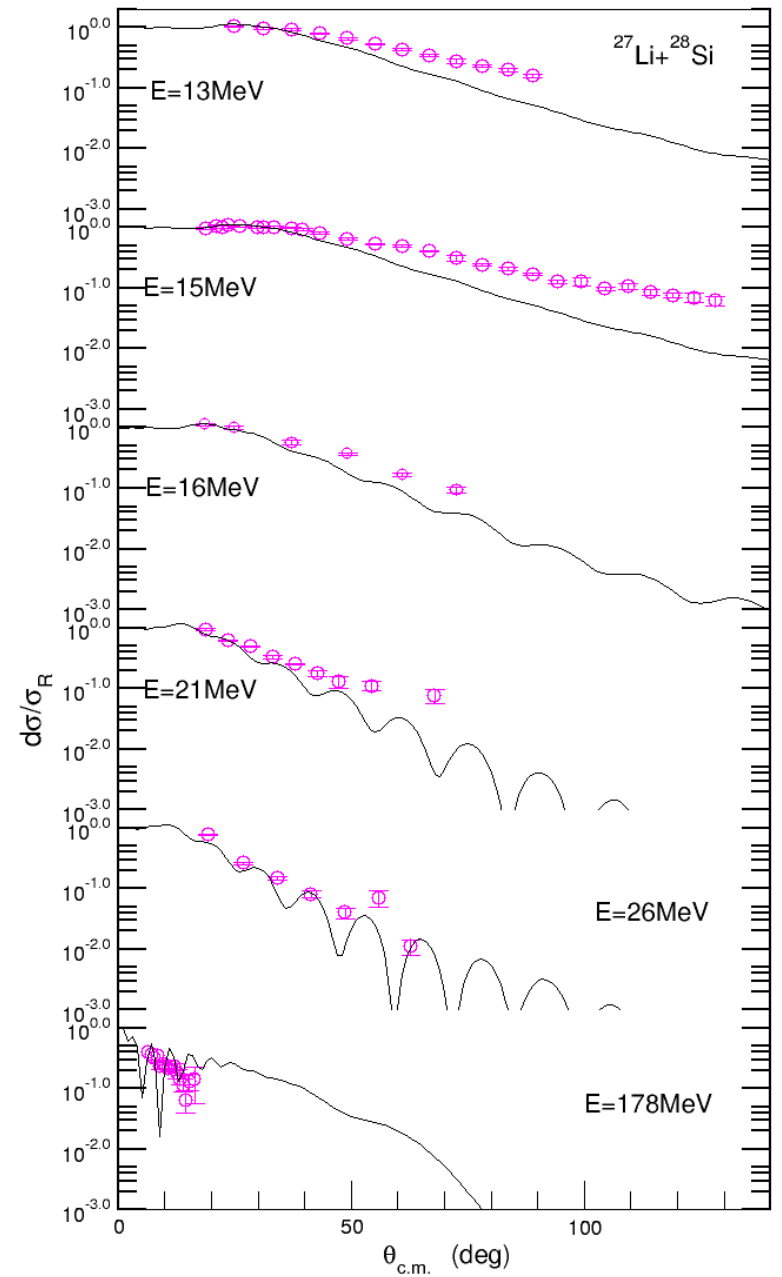
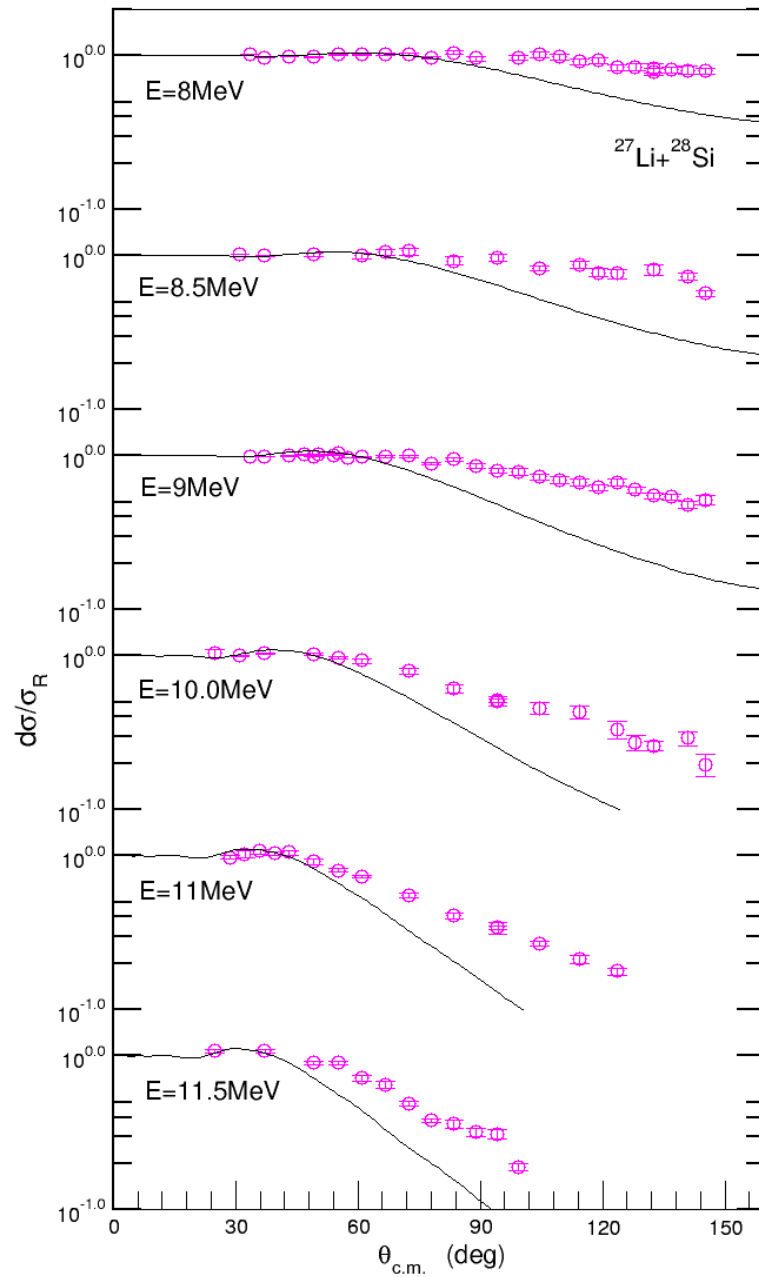
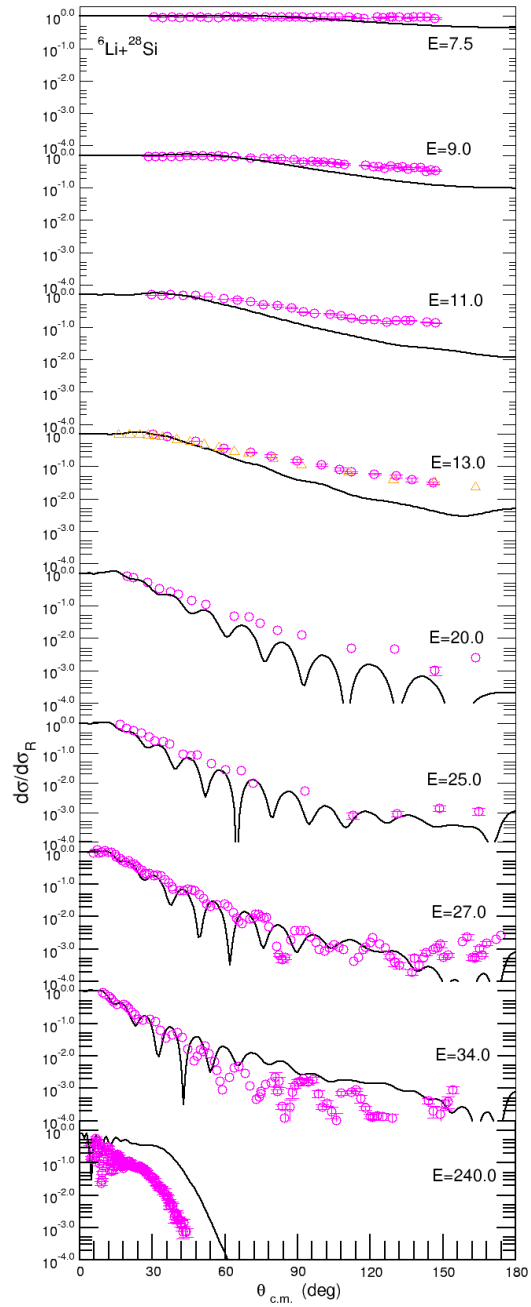




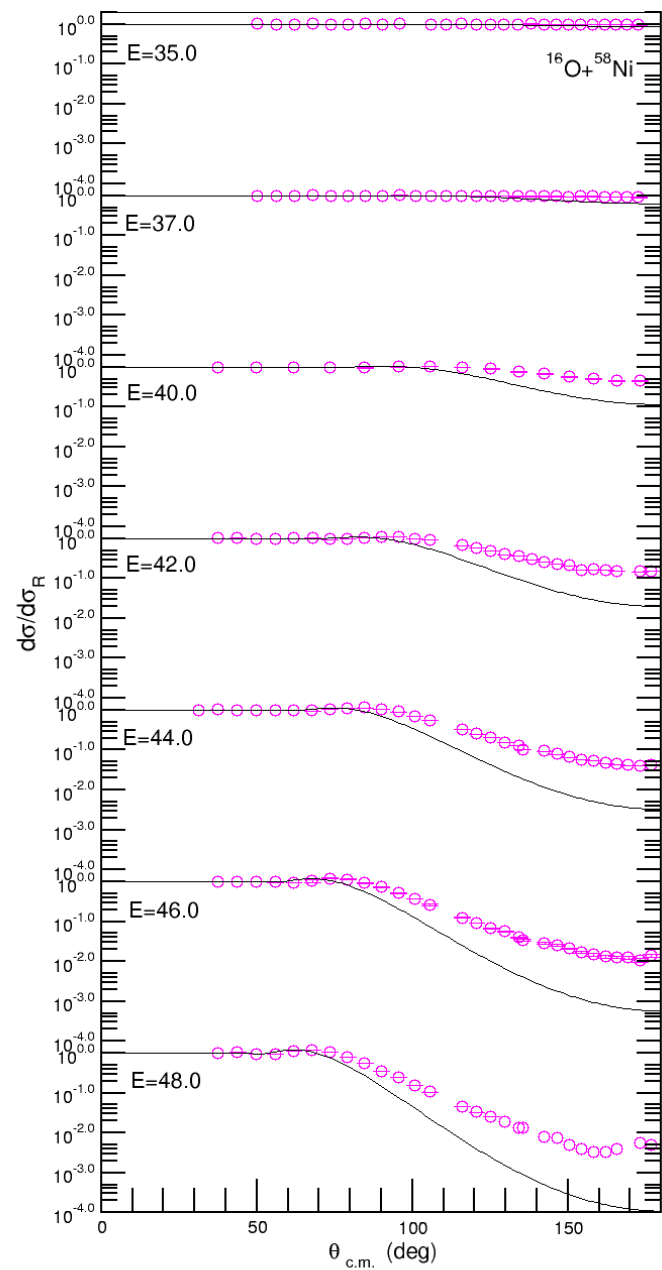
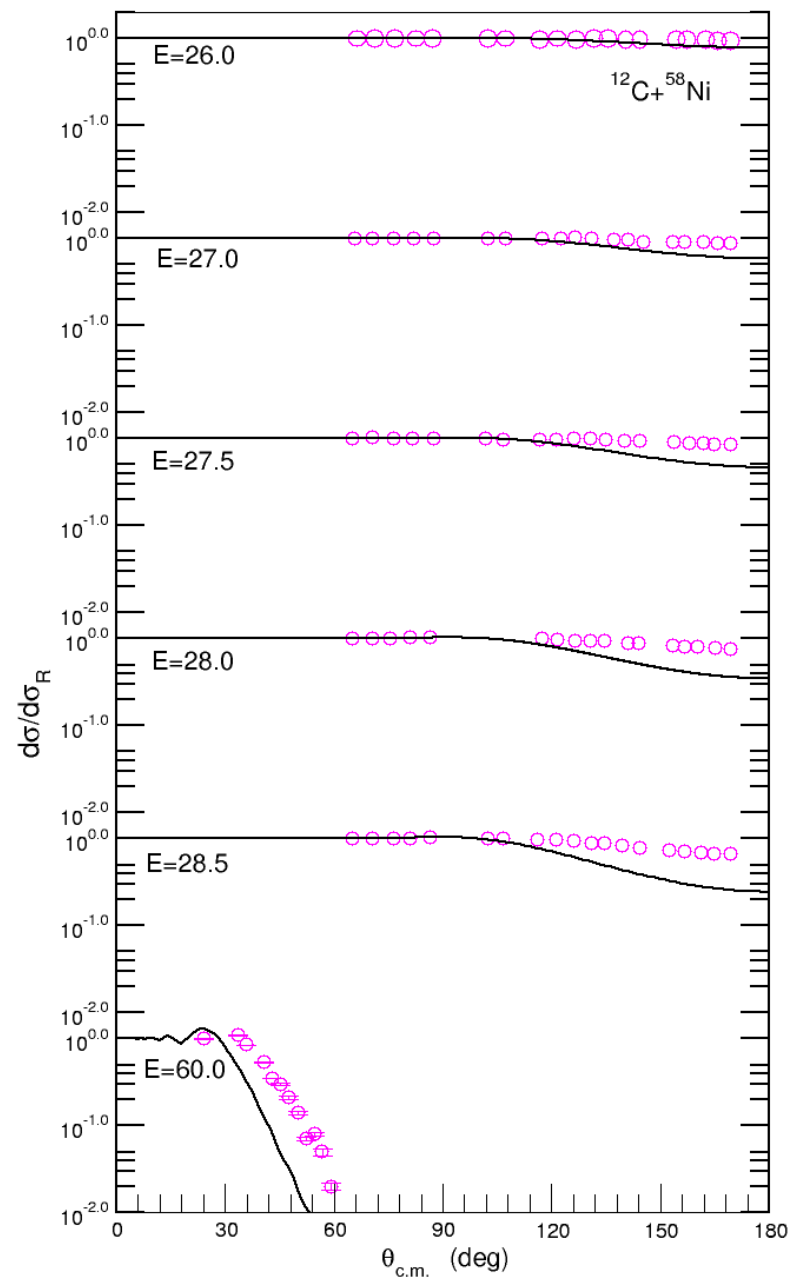
Si28

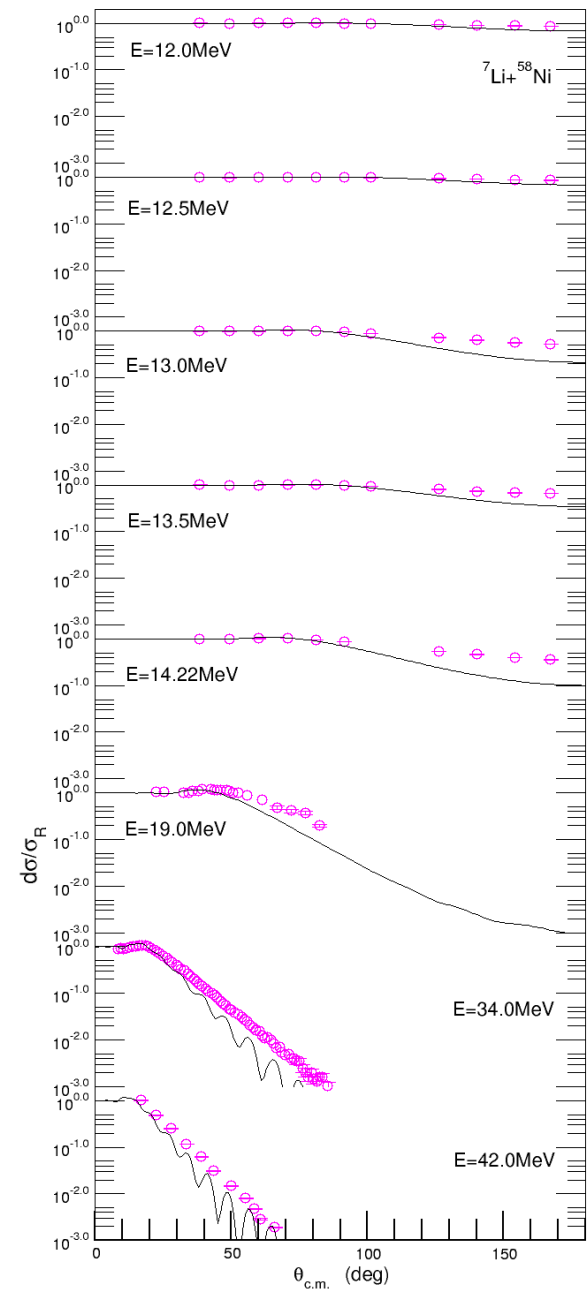
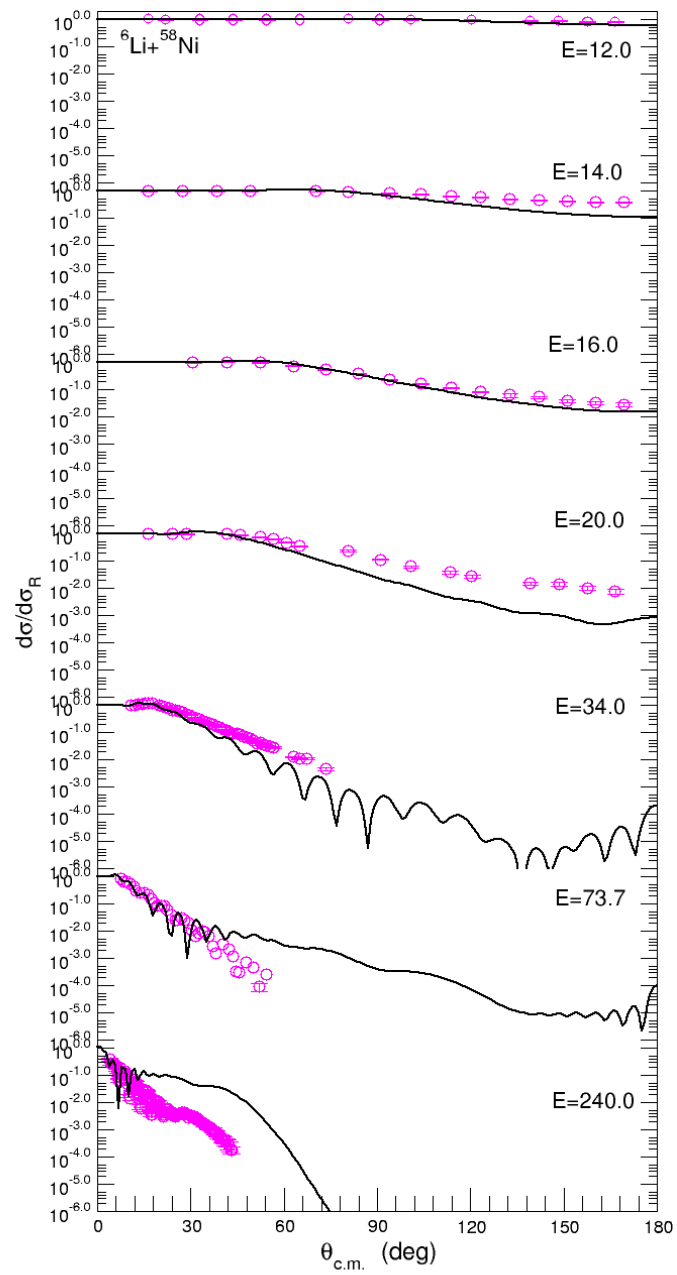




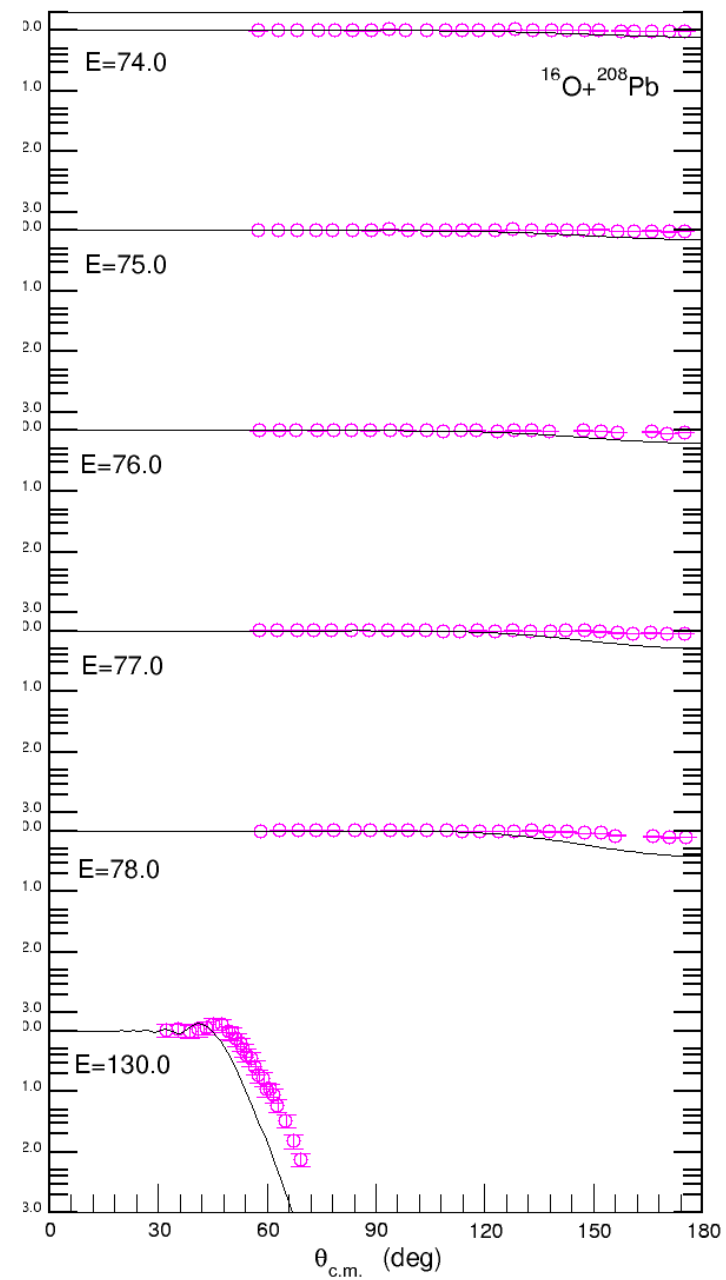
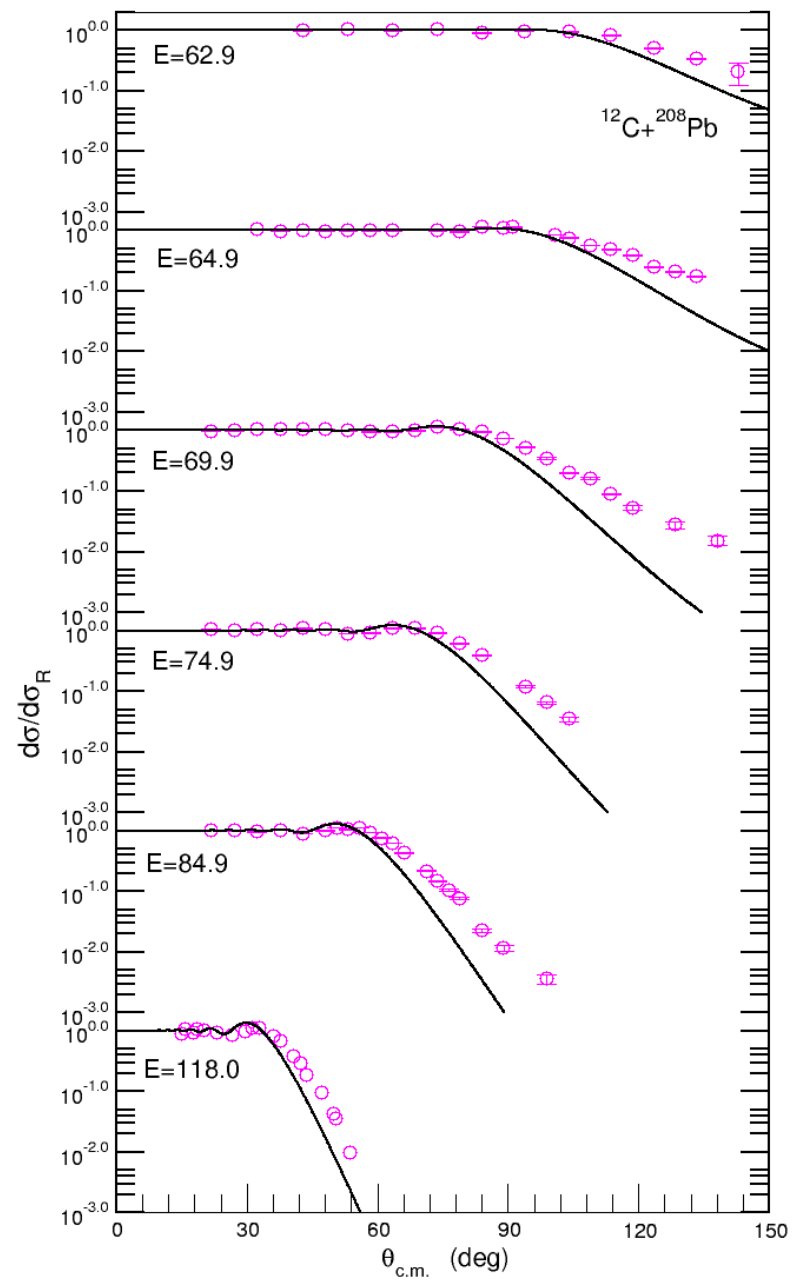
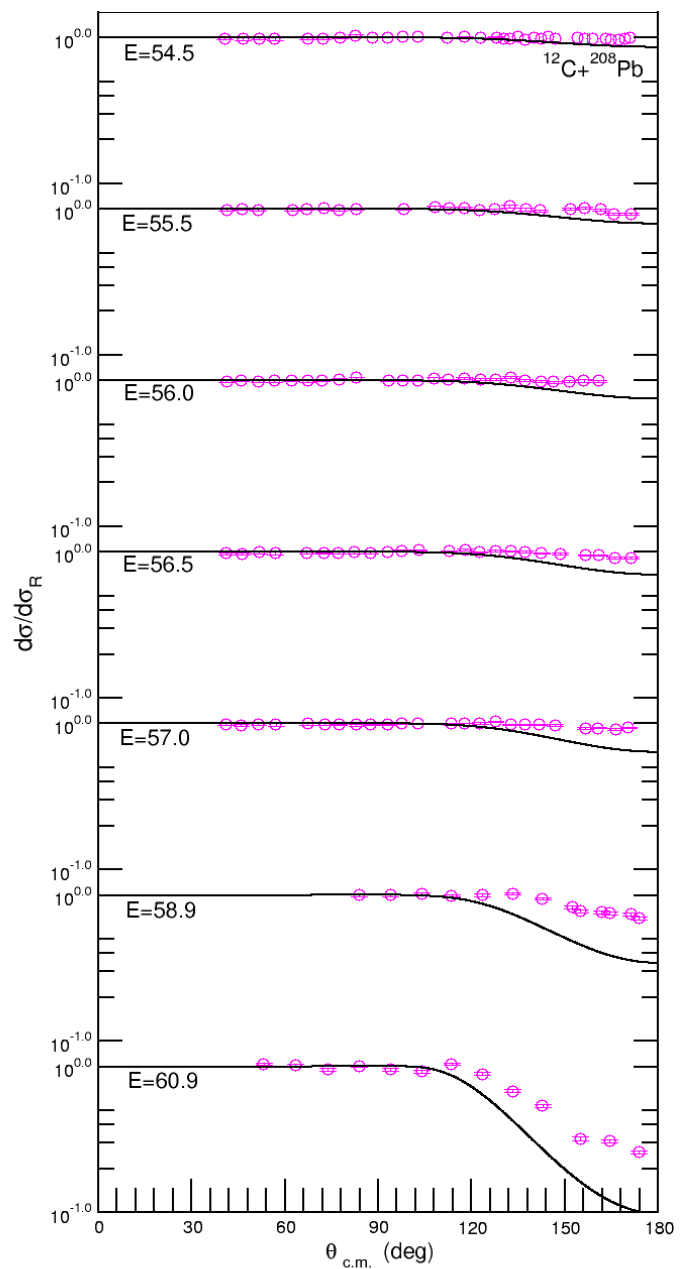


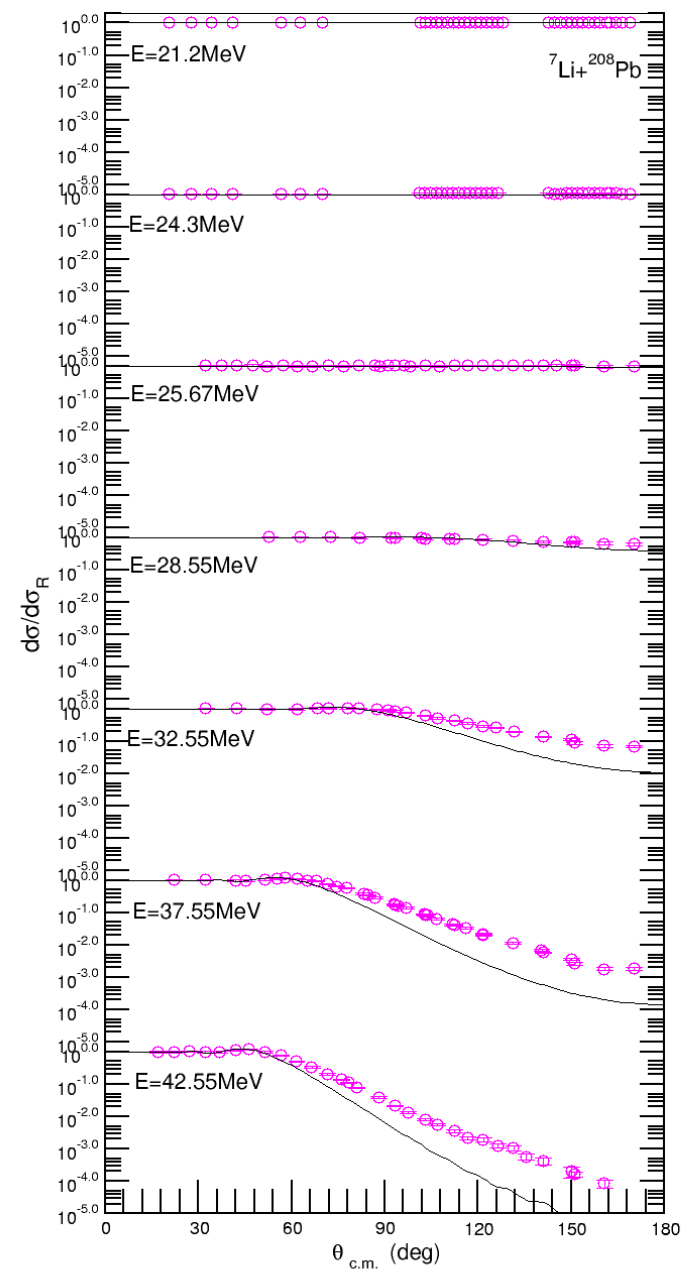
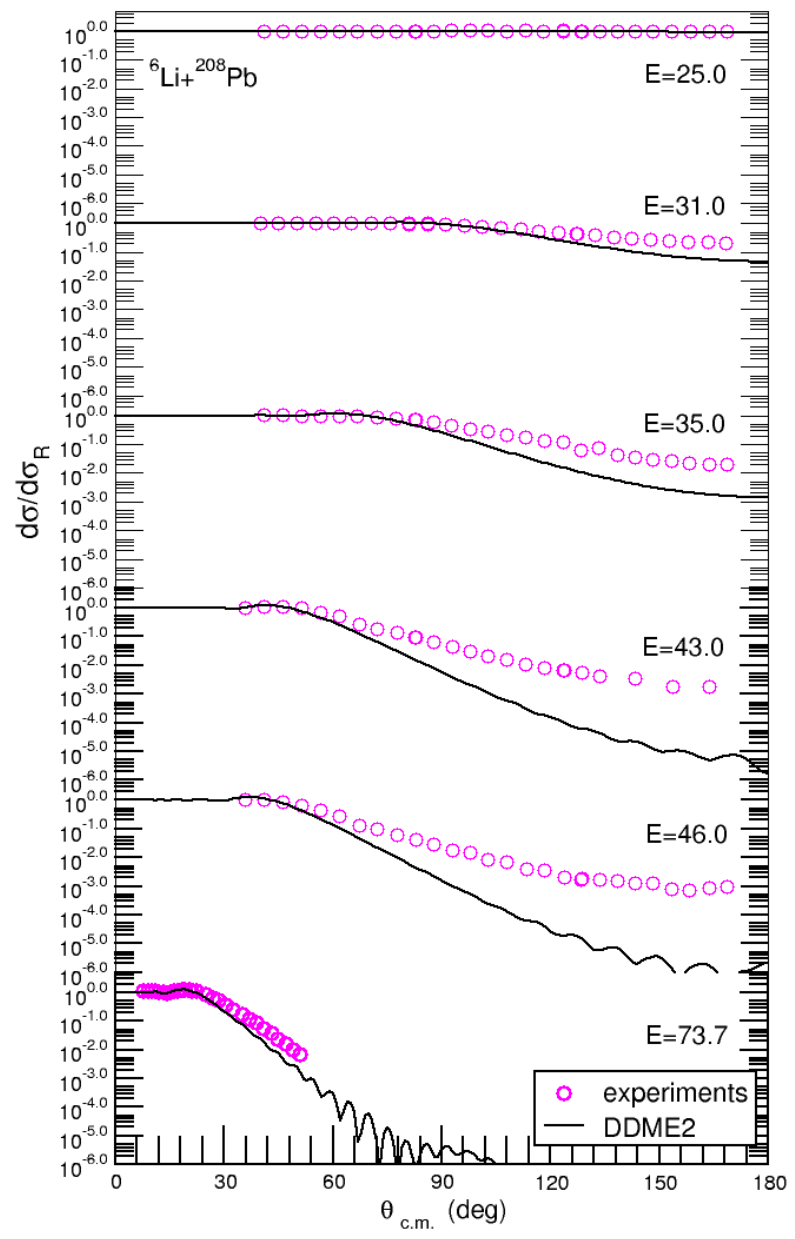
Ni58



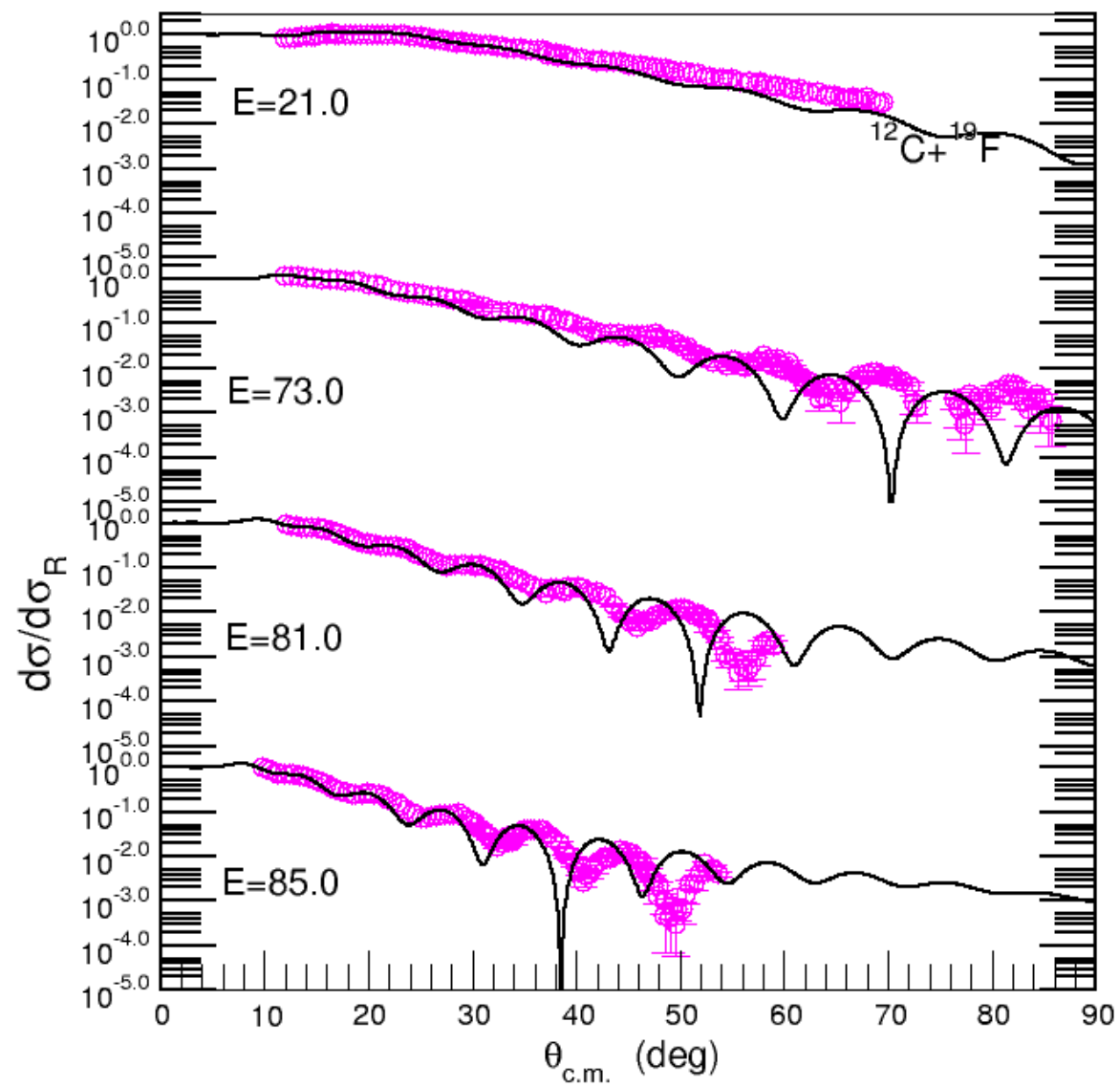


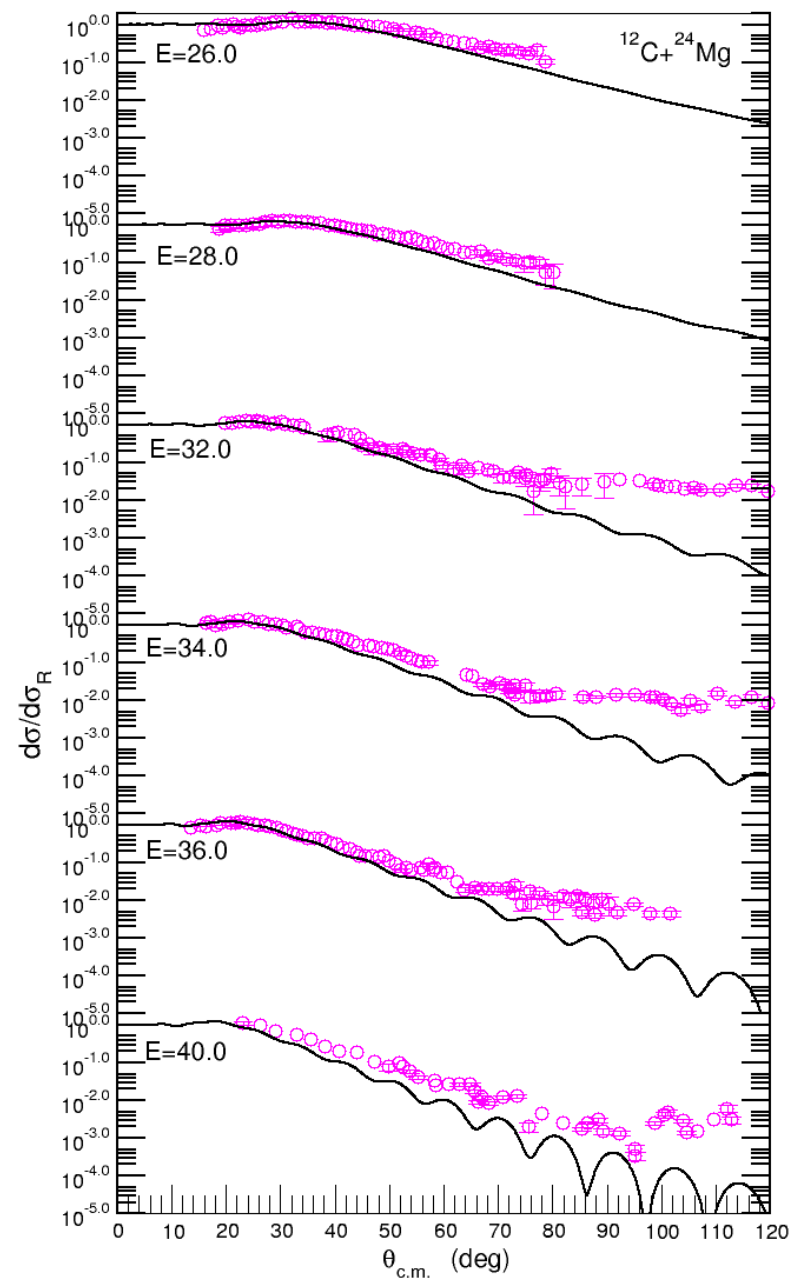
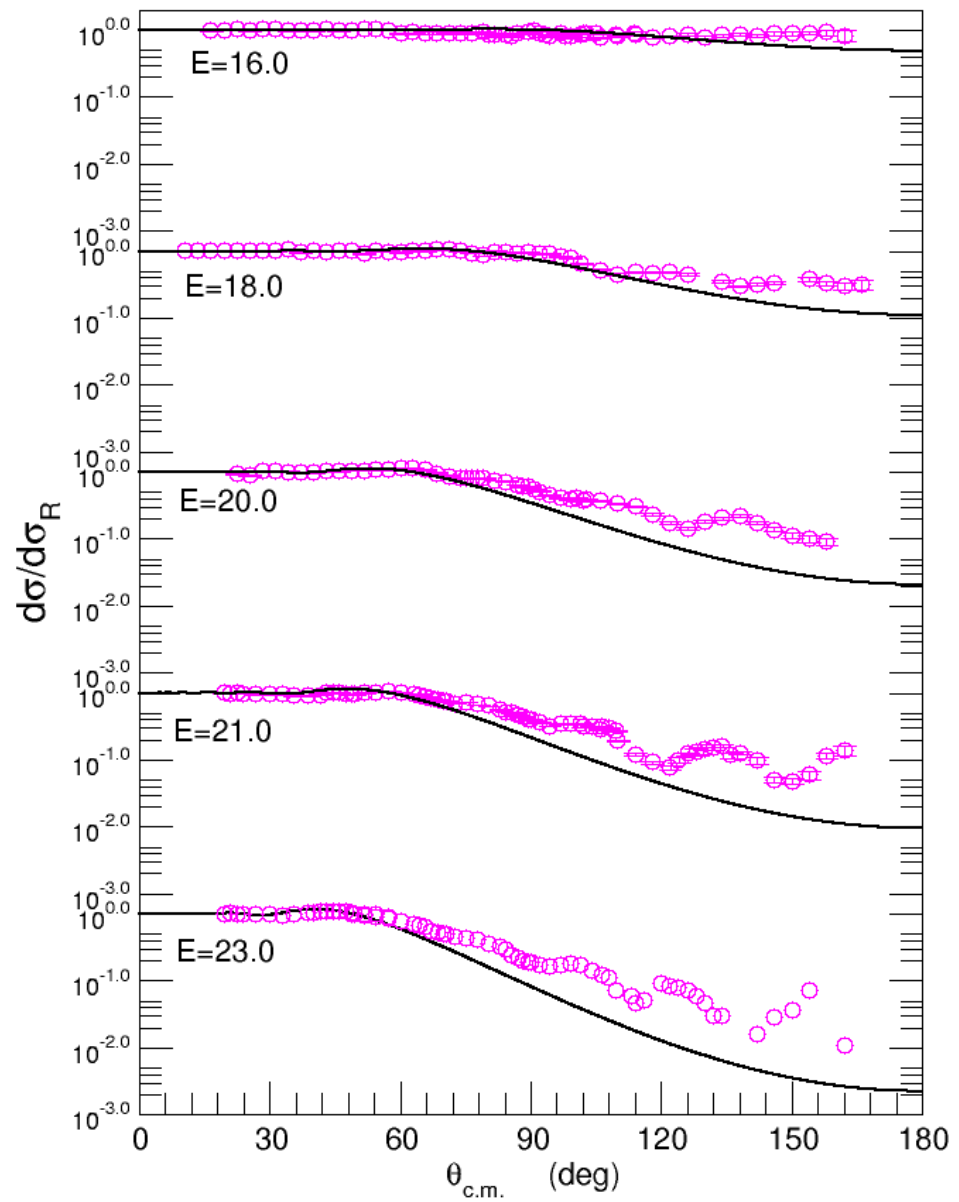
Pb208

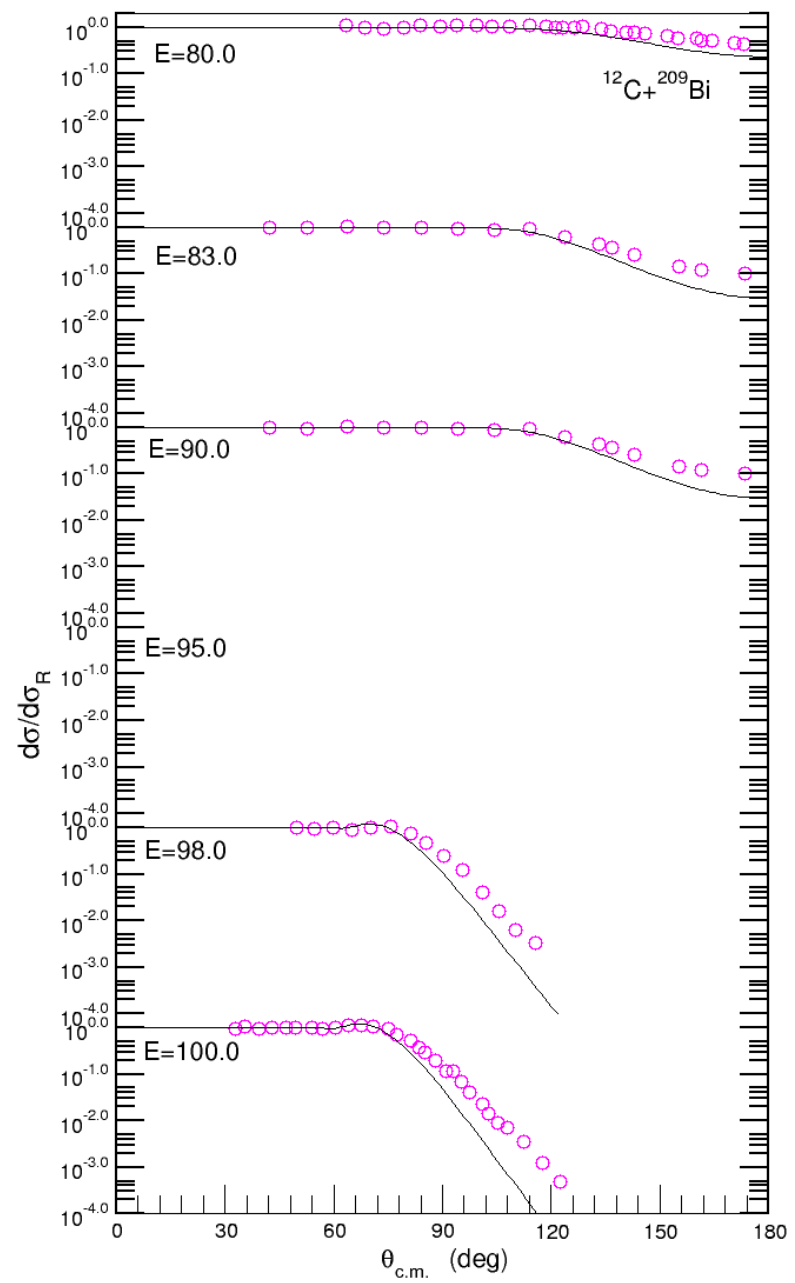




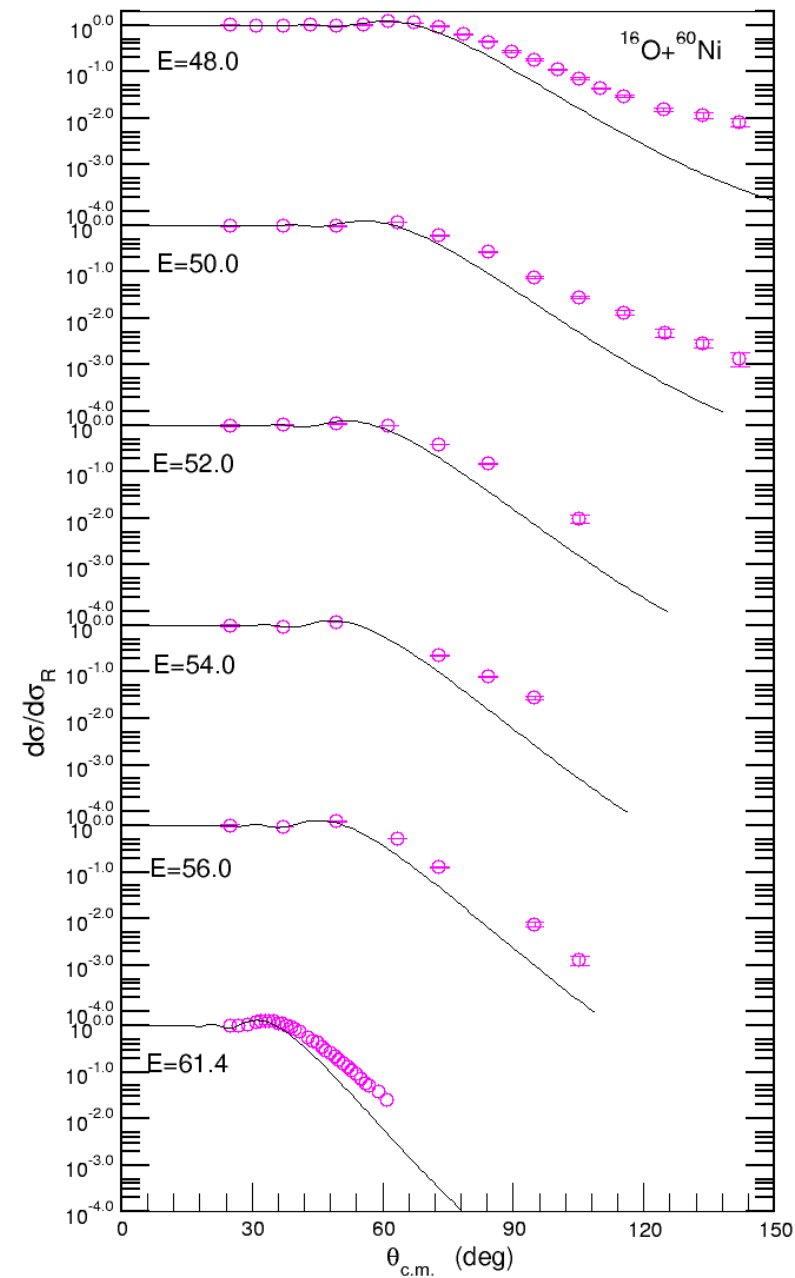
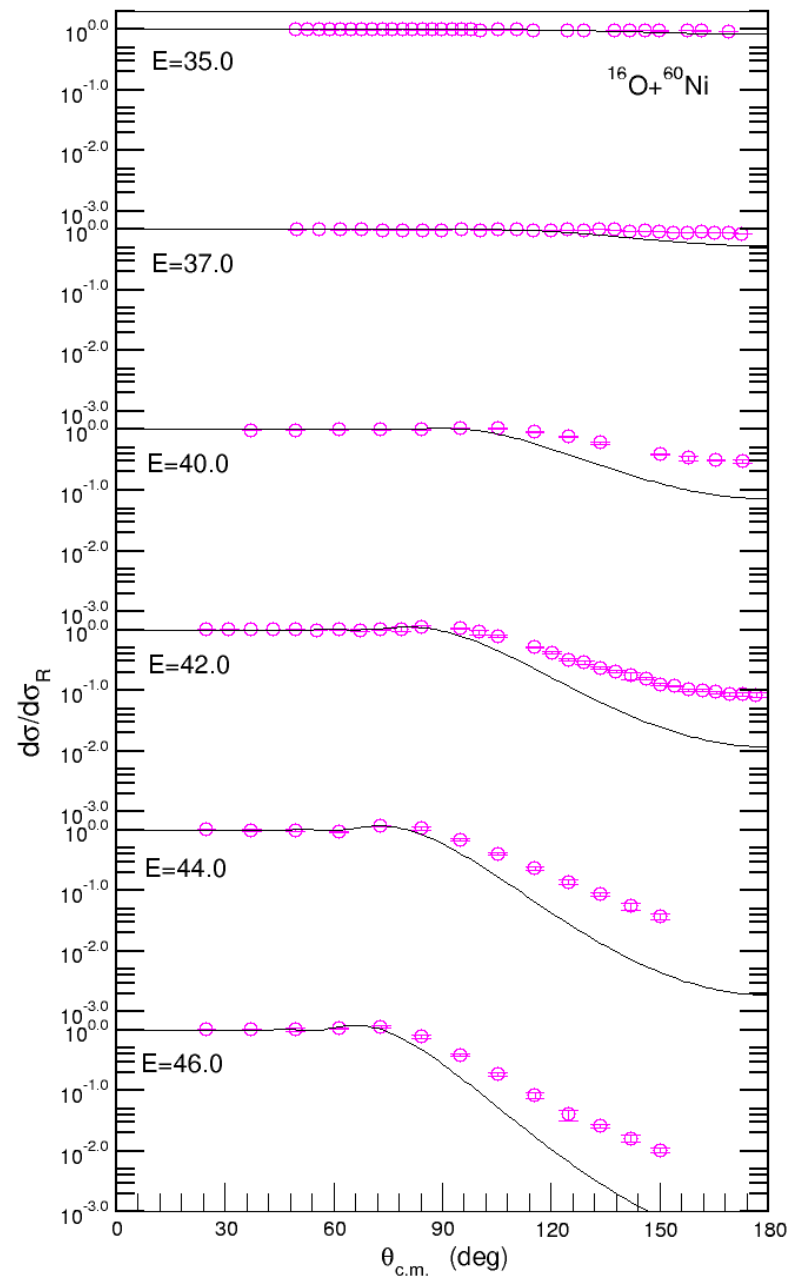
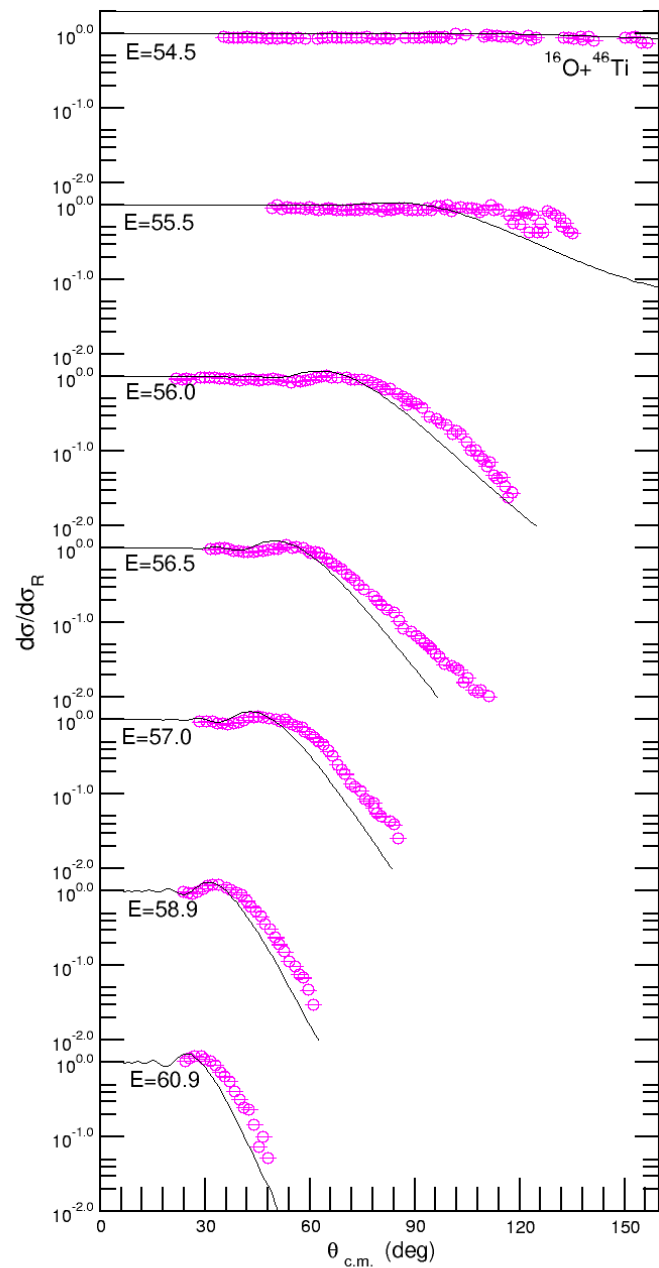
C12

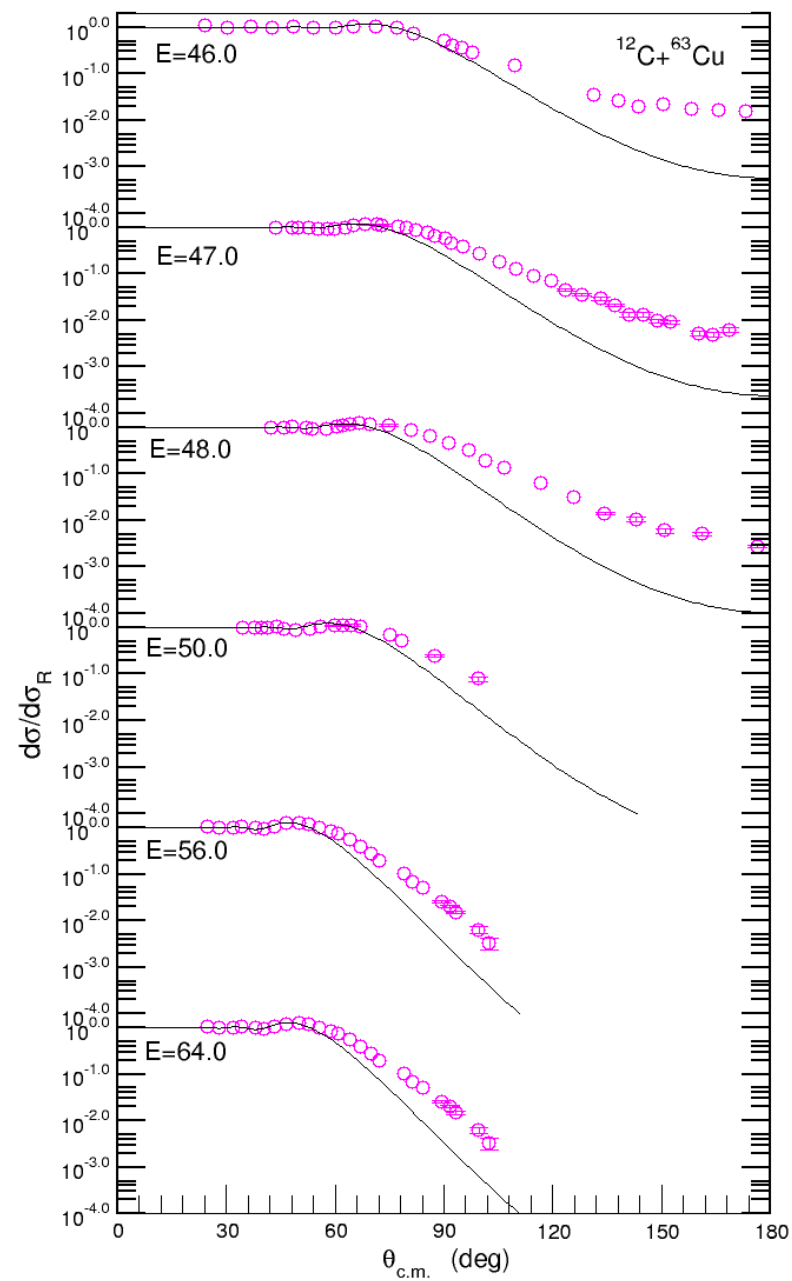
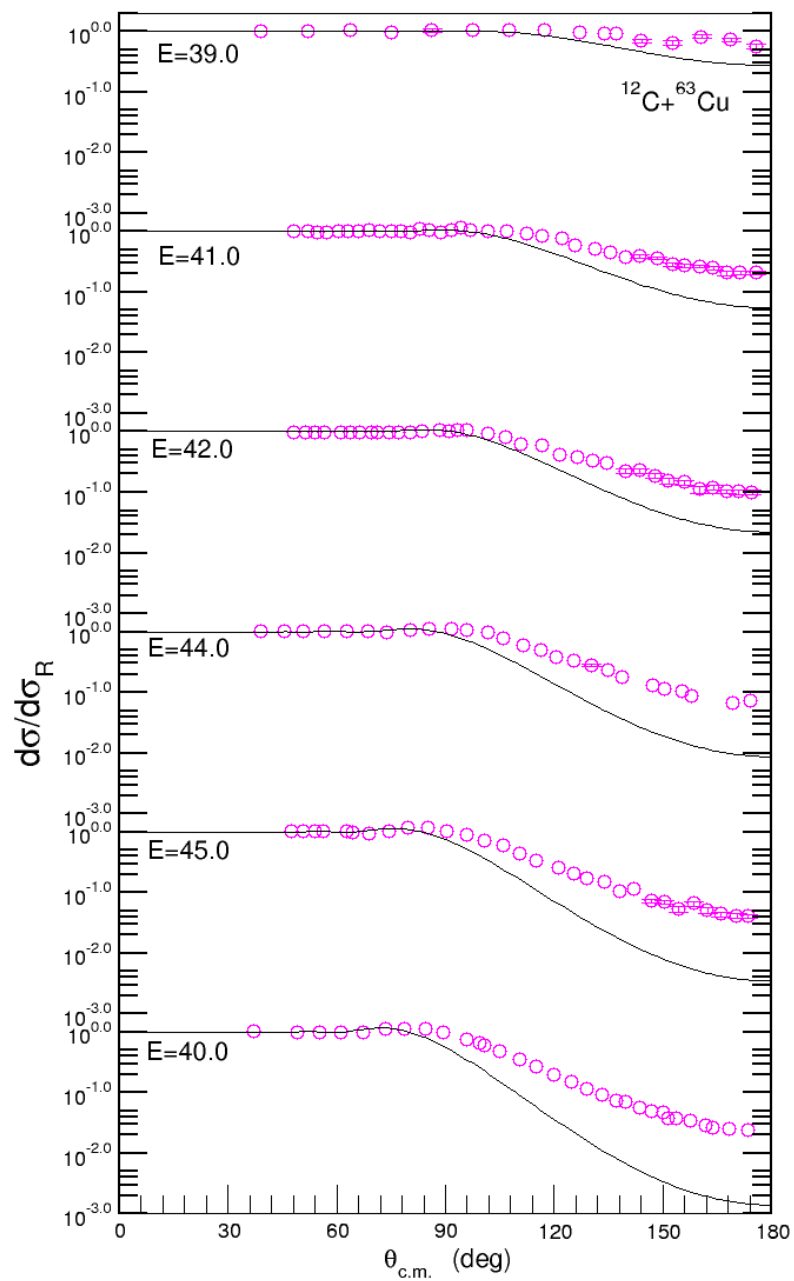


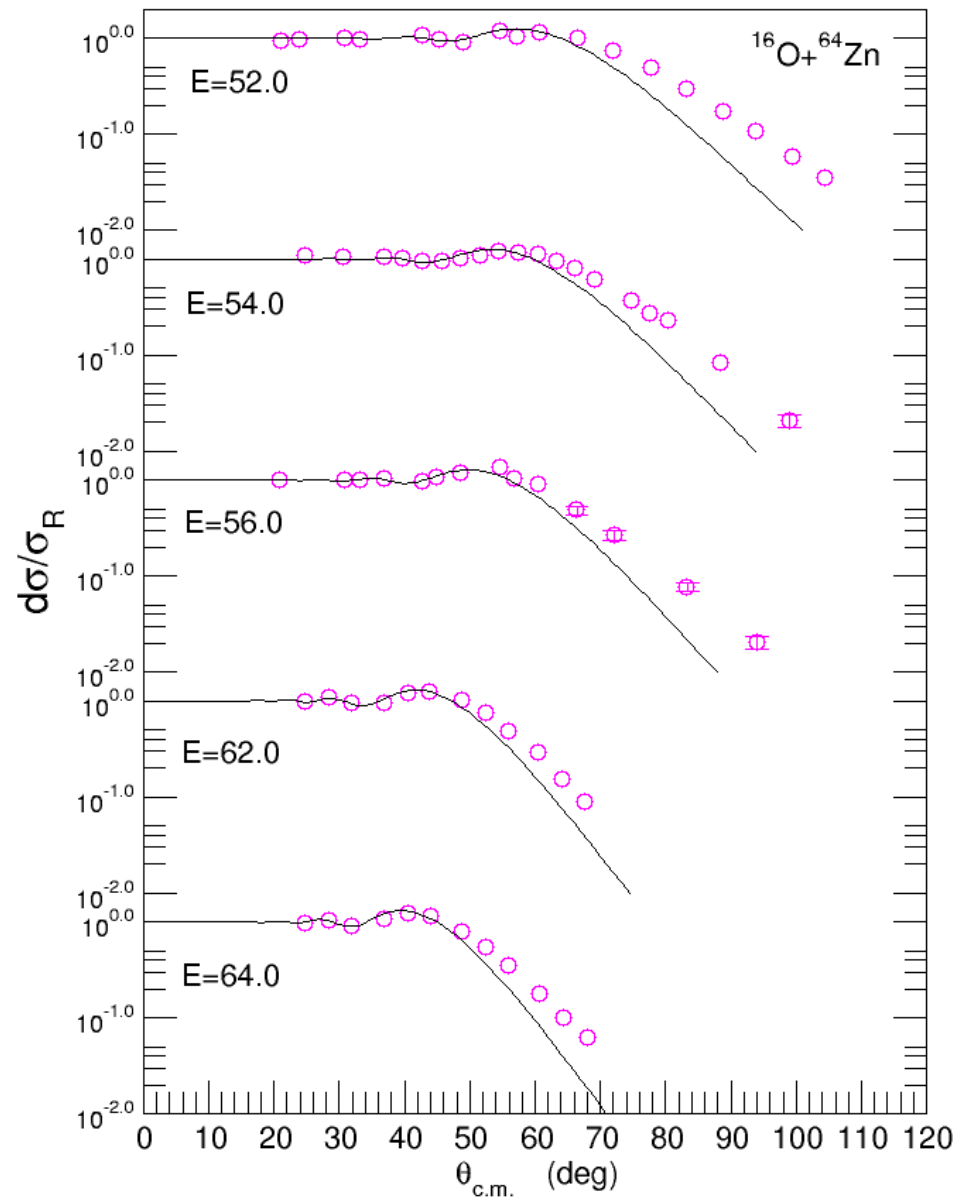
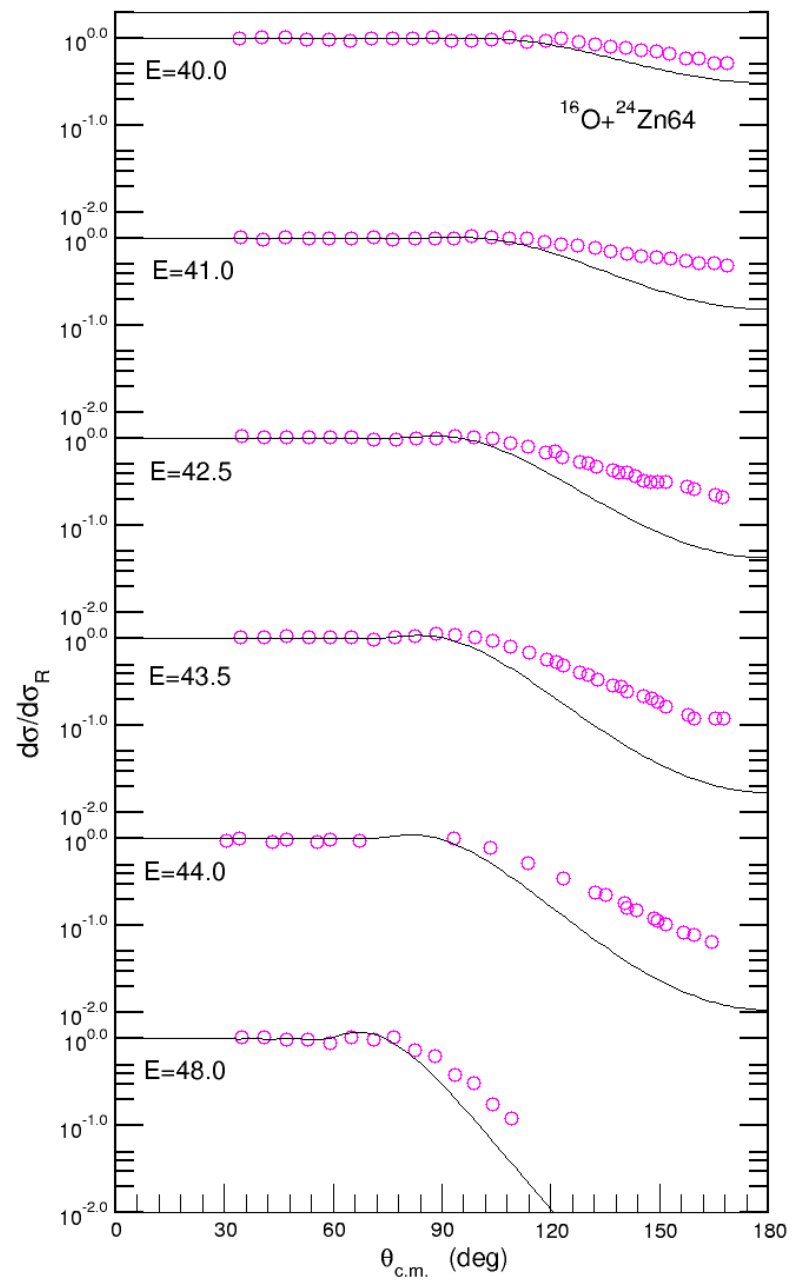


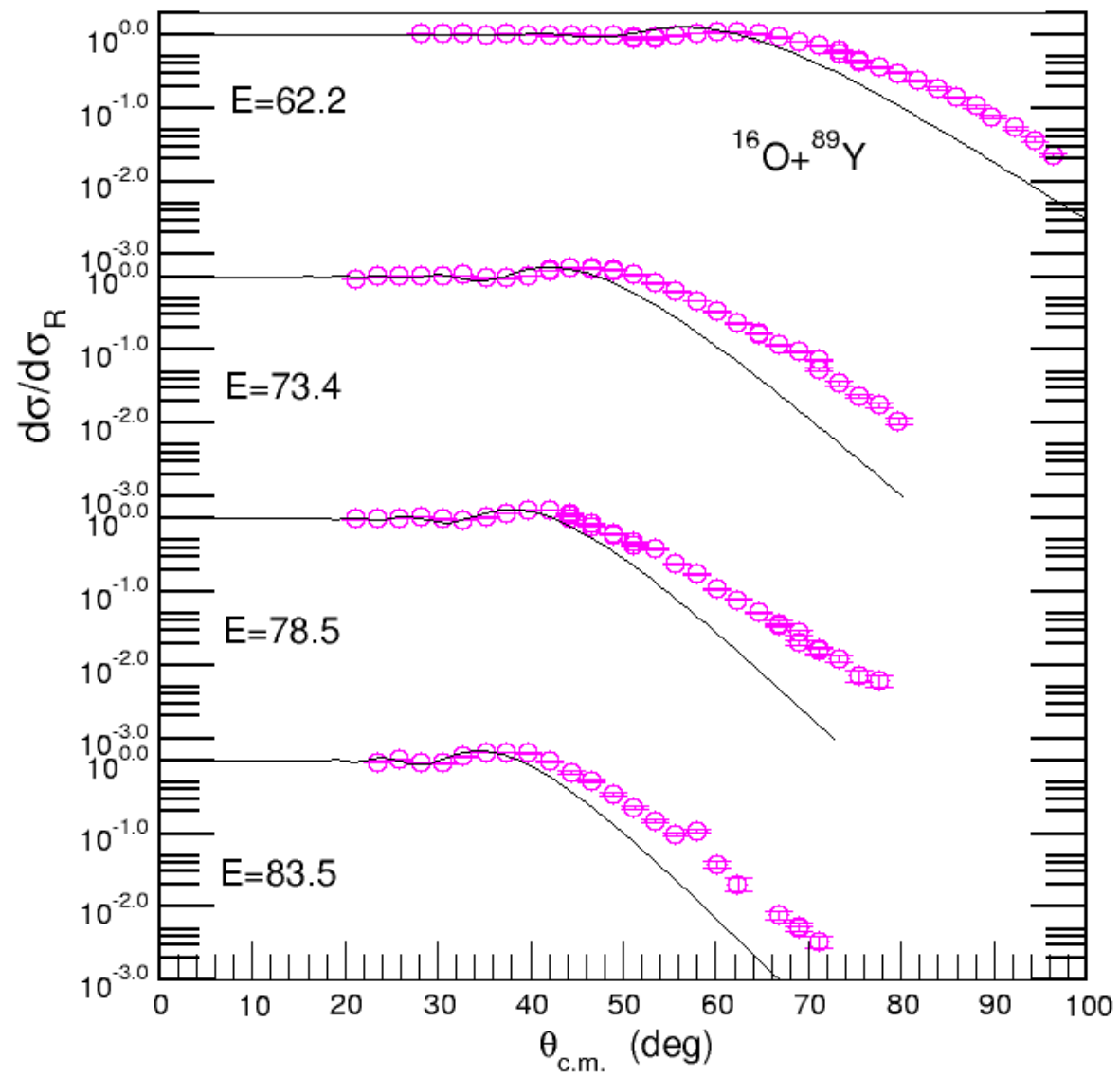


016

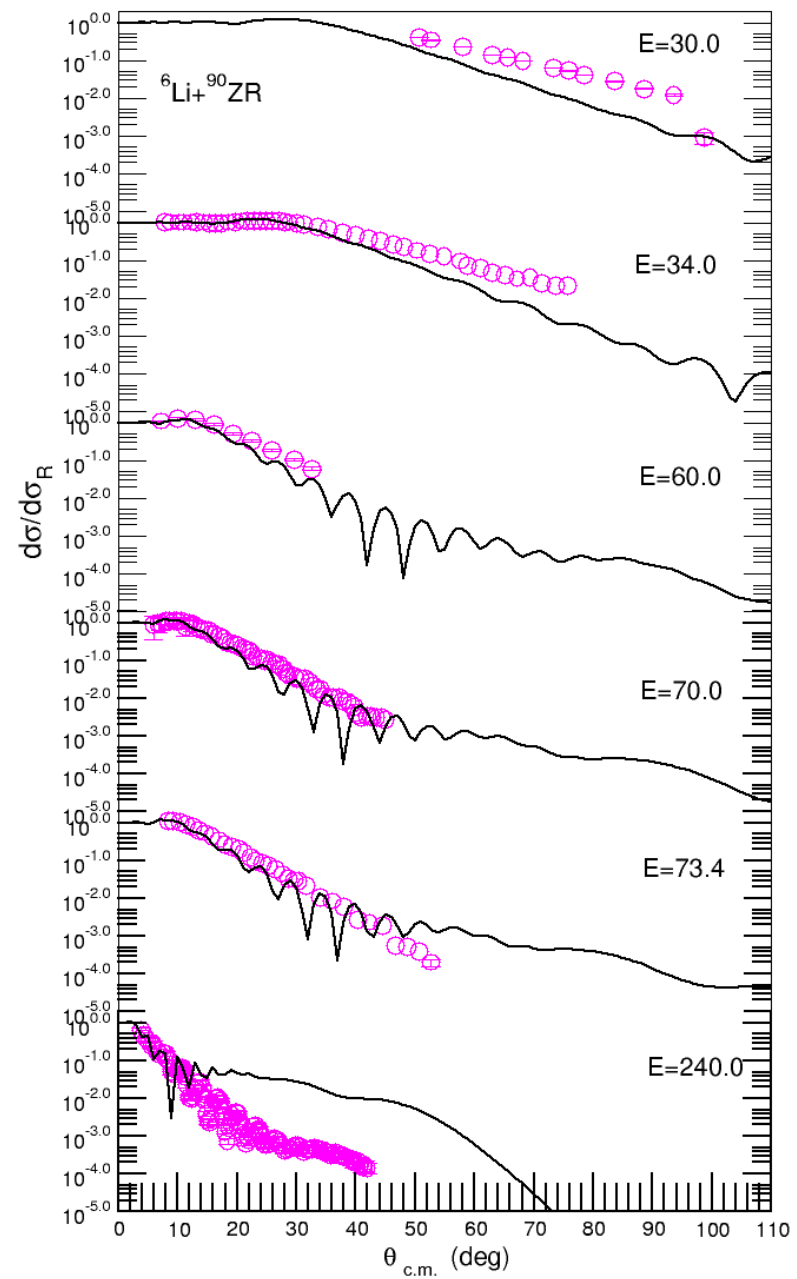
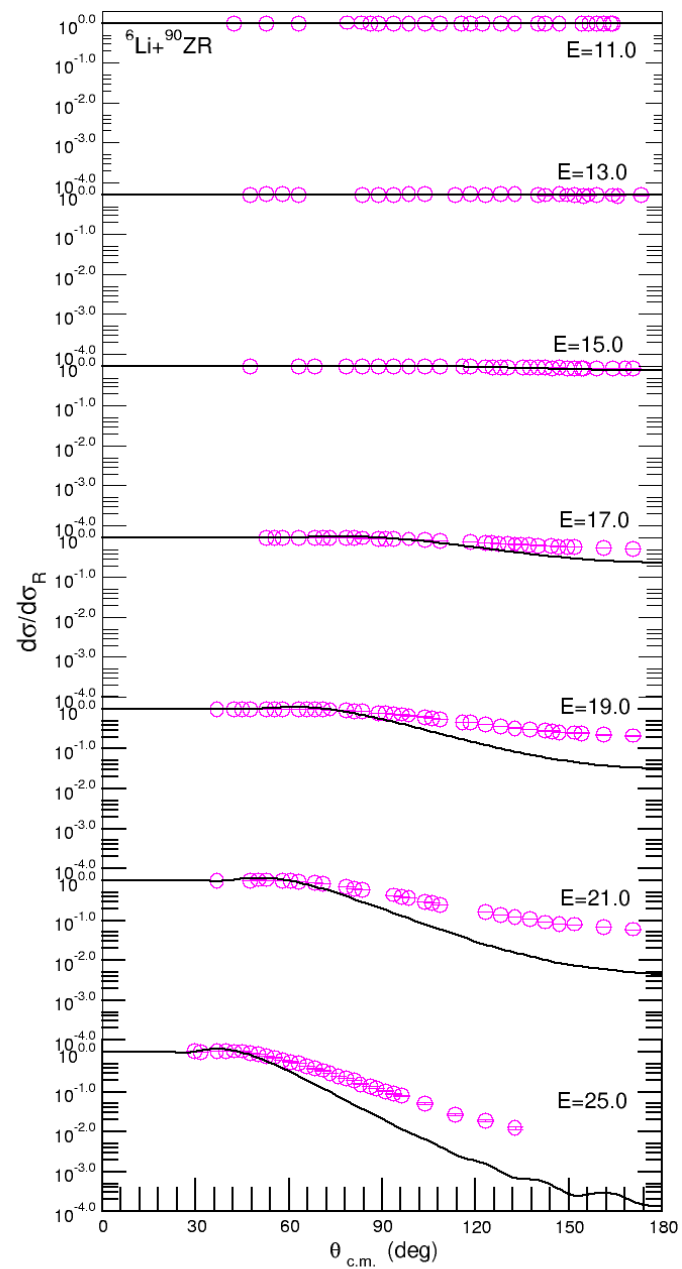








Li6



Li7

