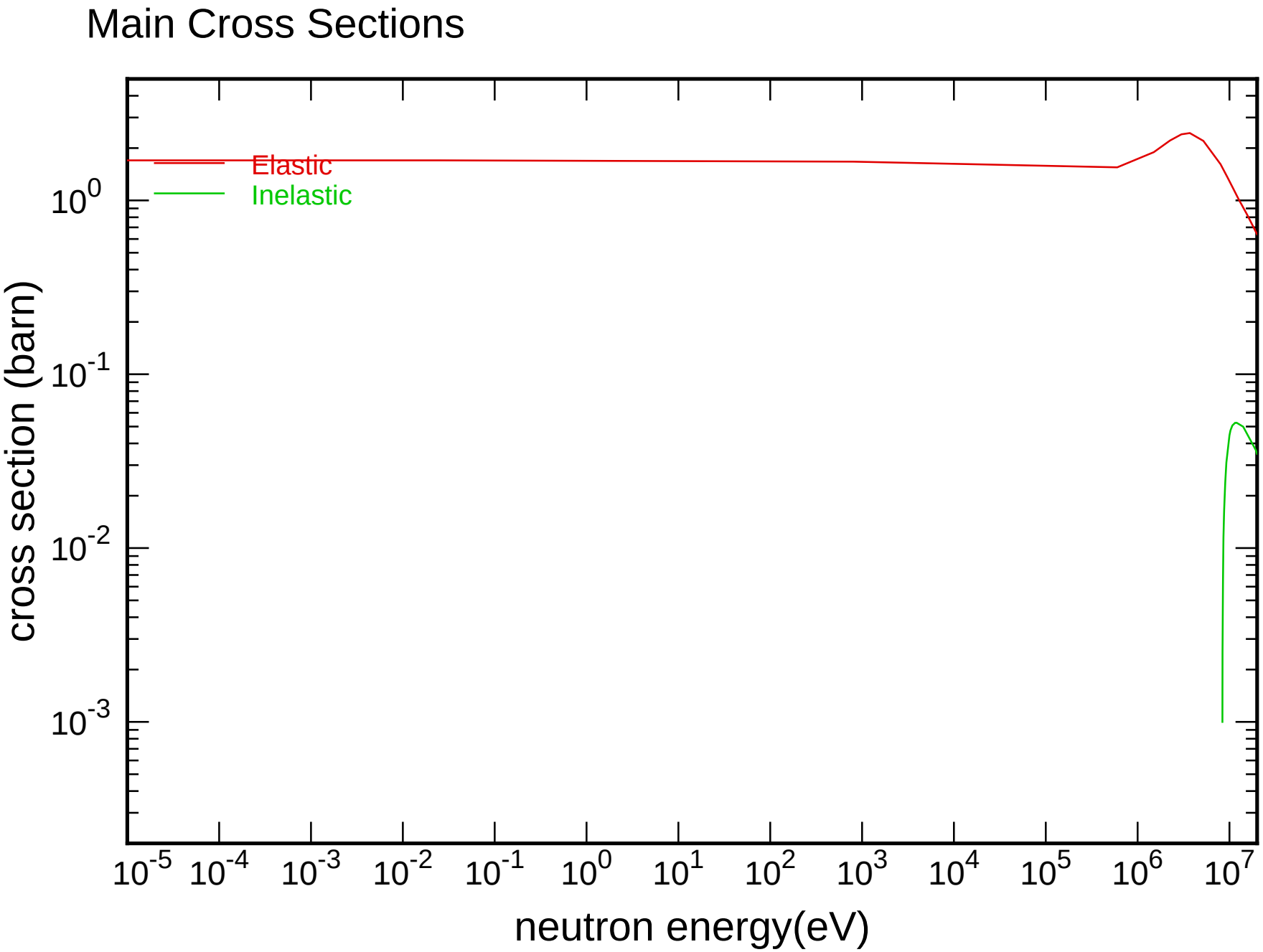
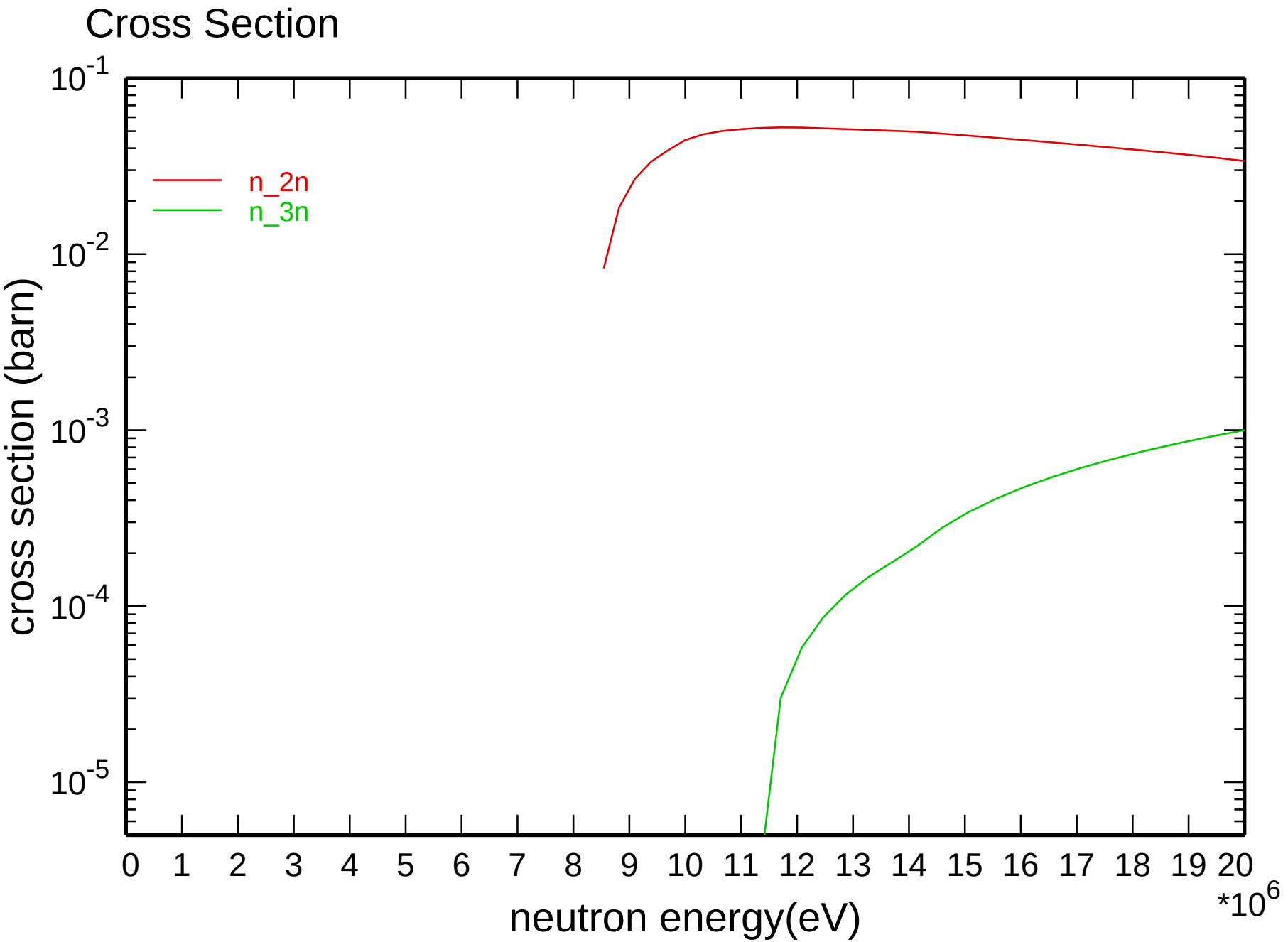
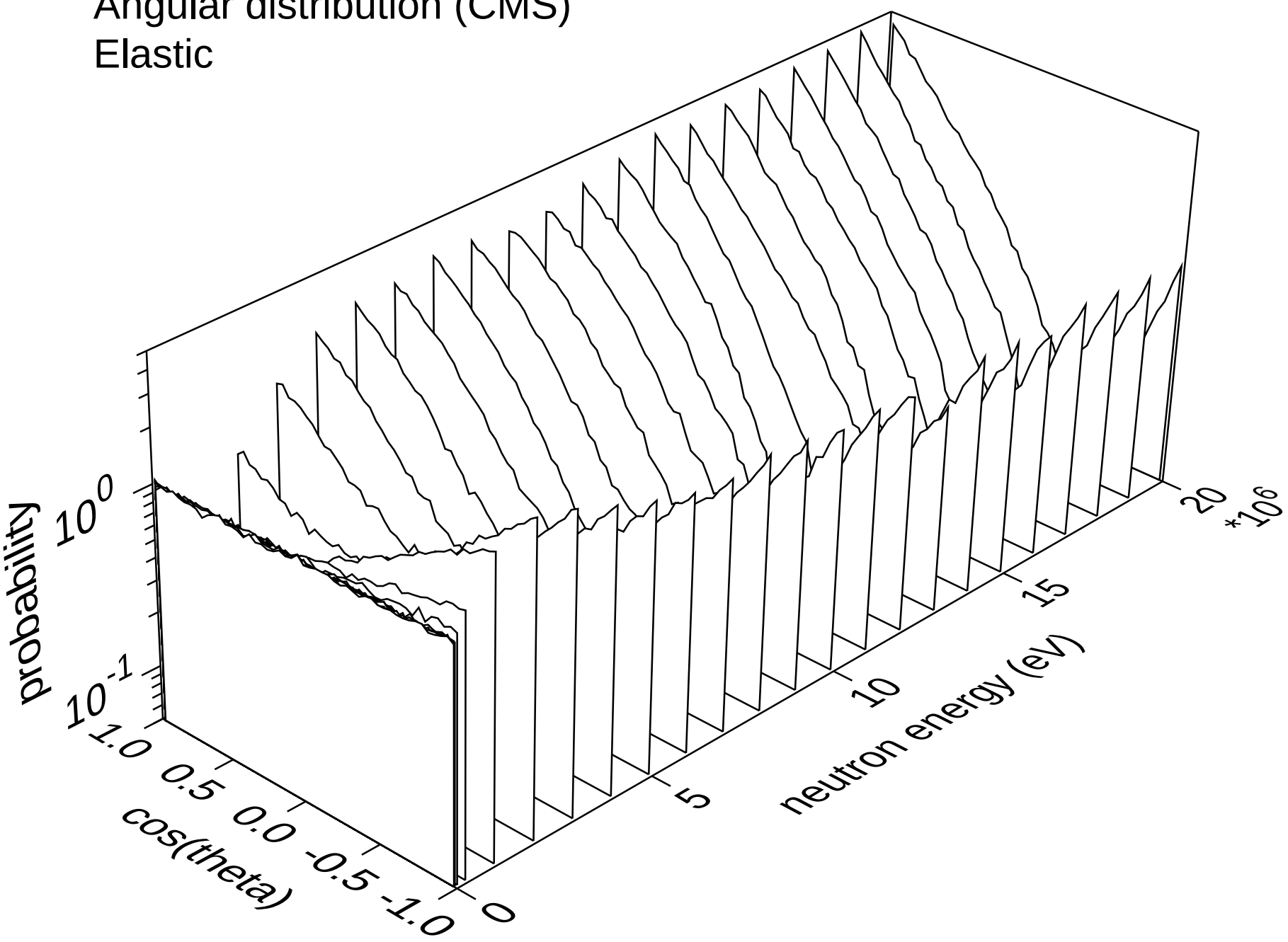
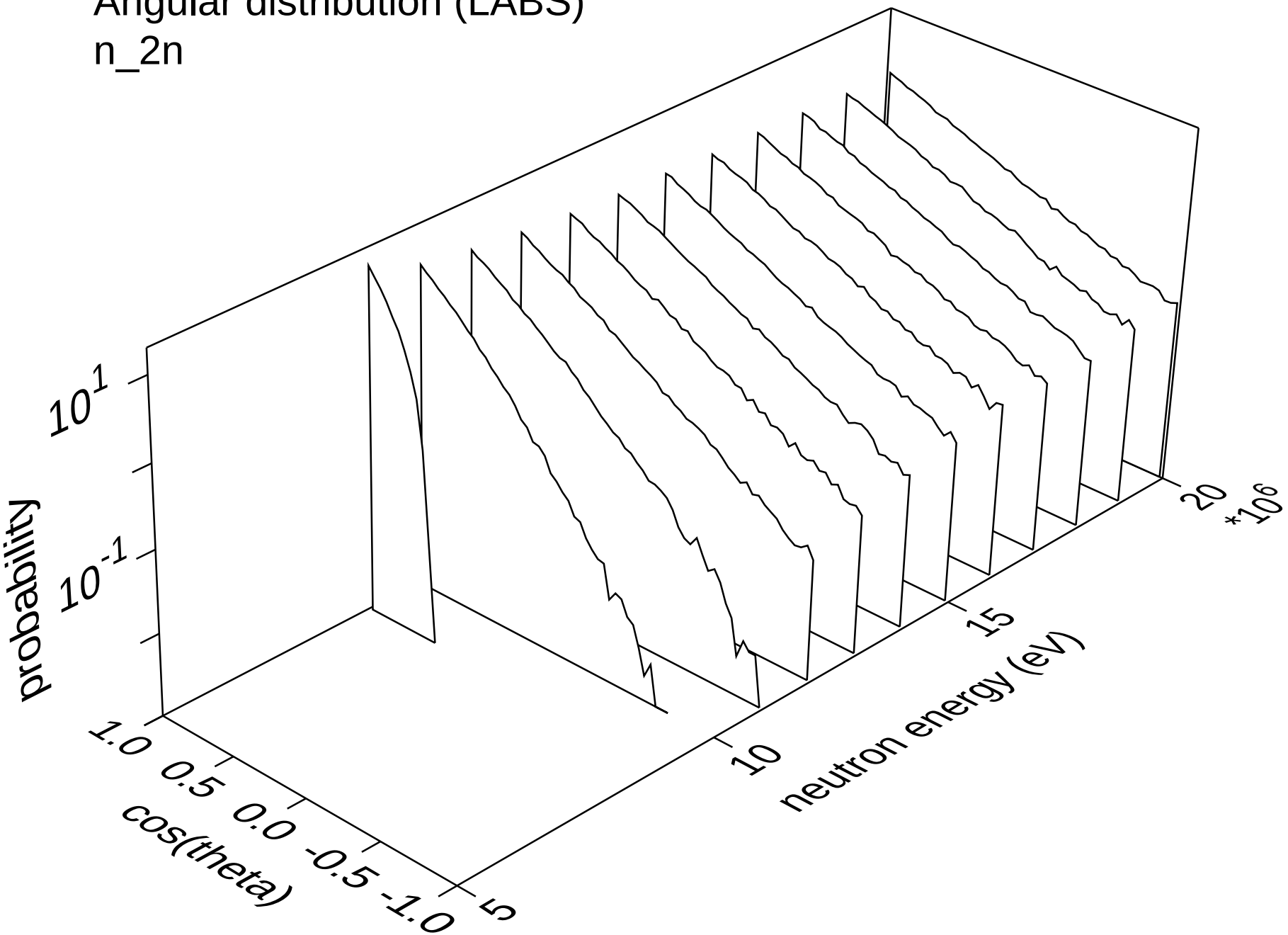
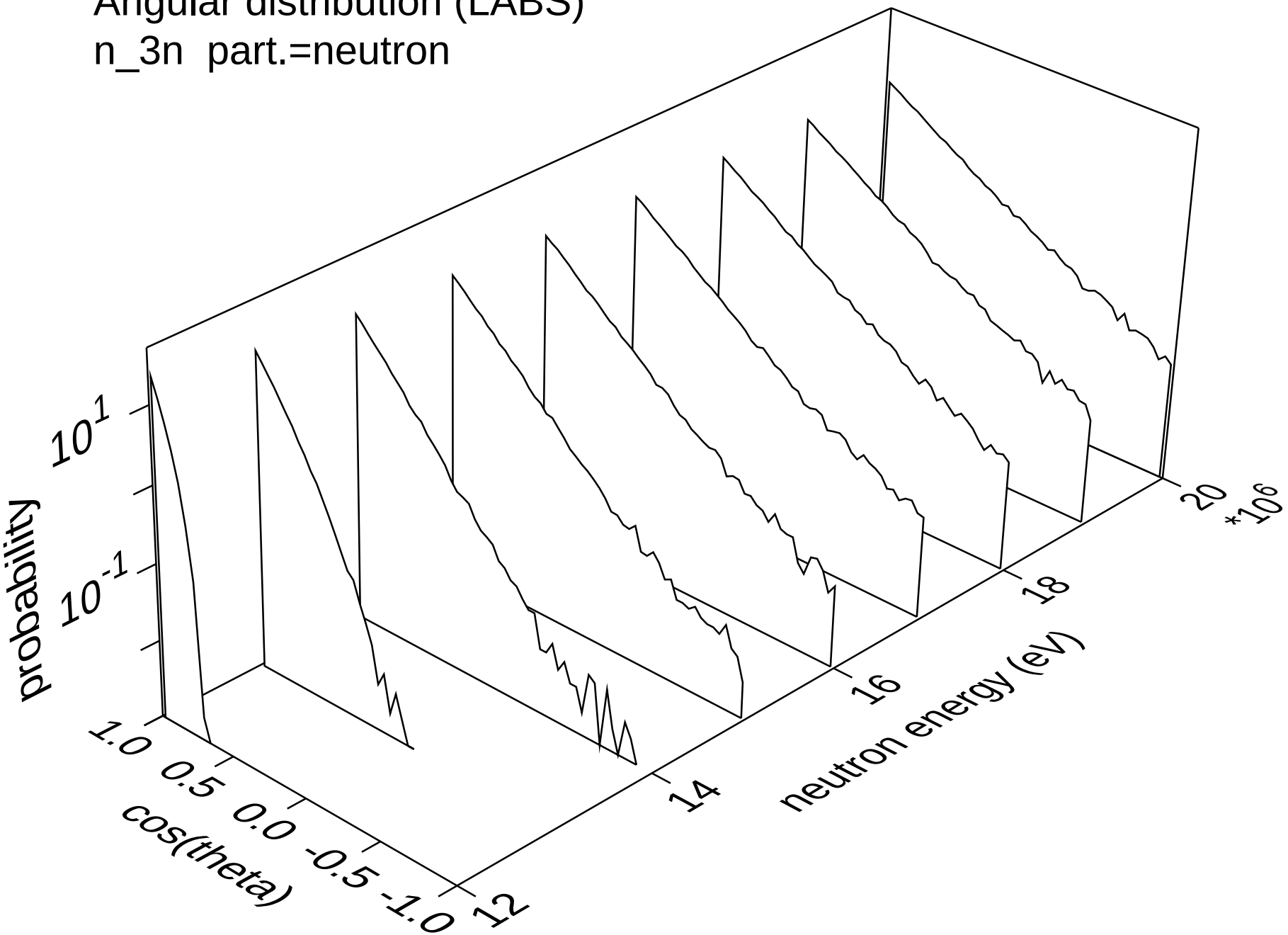
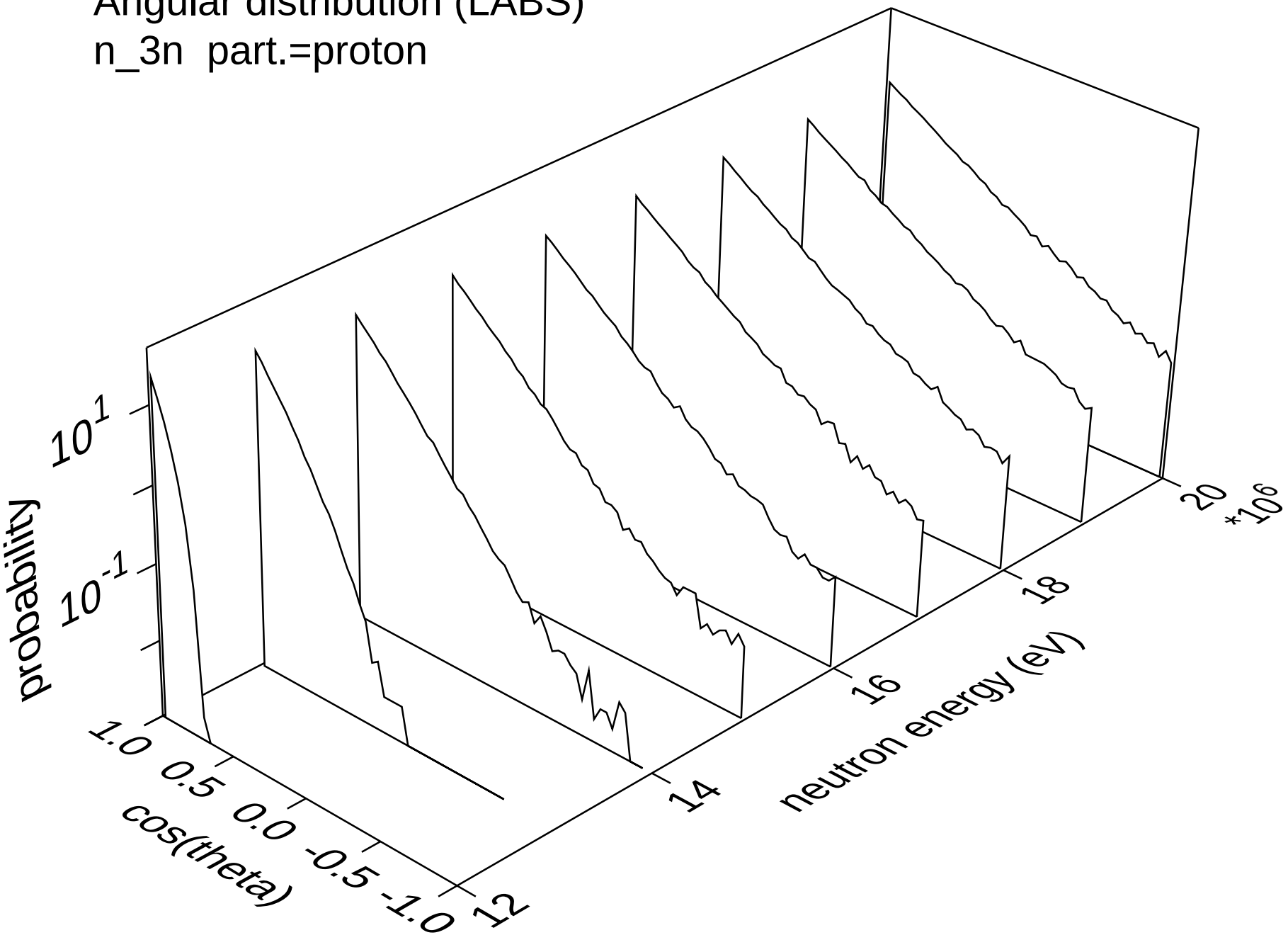

Main Cross Sections
Elastic
Inelastic
cross section (barn)
10^{0}
10^{-1}
10^{-2}
10^{-3}
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7}
neutron energy(eV)

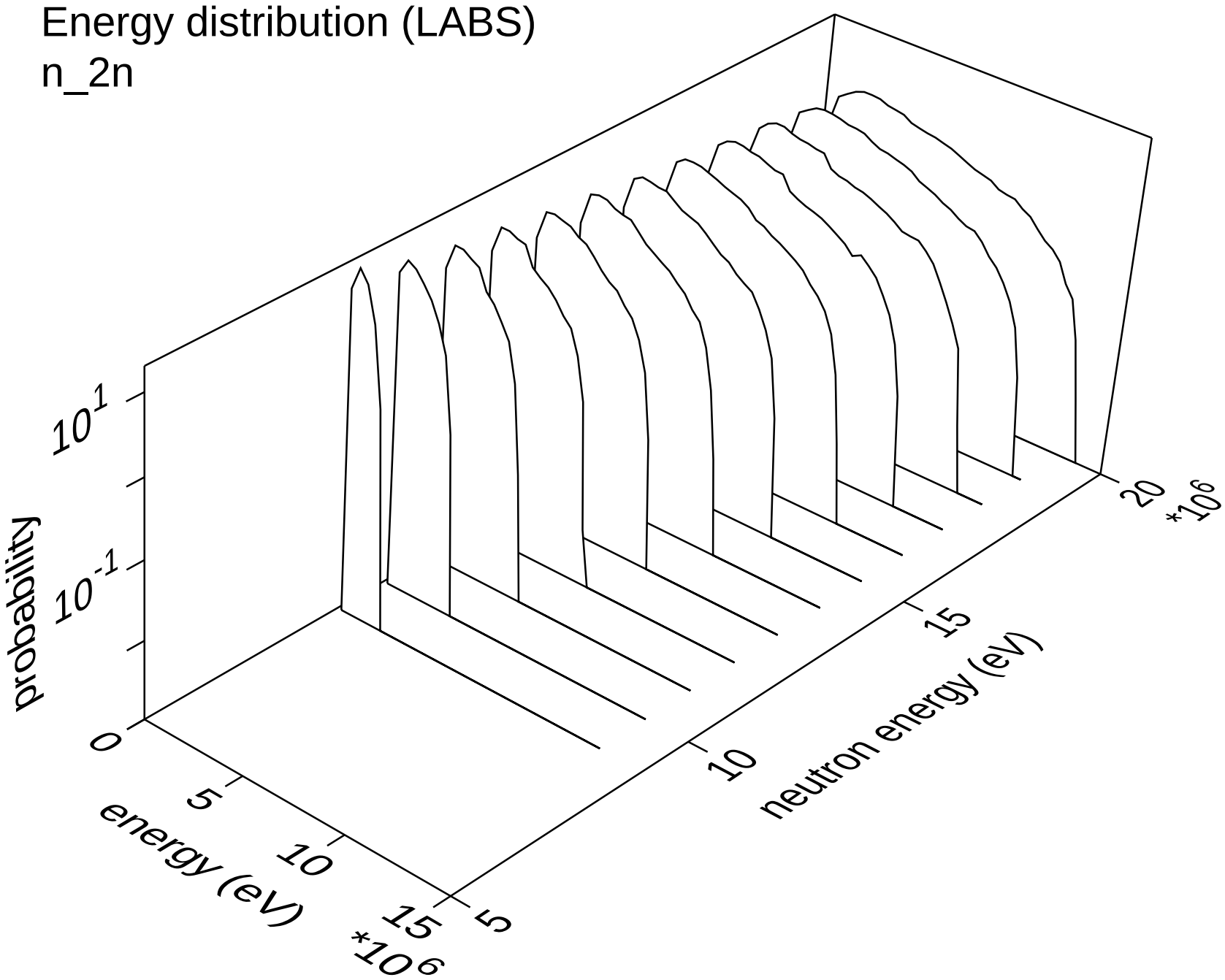

Cross Section
n_2n
n_3n
cross section (barn)
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
*10^{6}
neutron energy(eV)

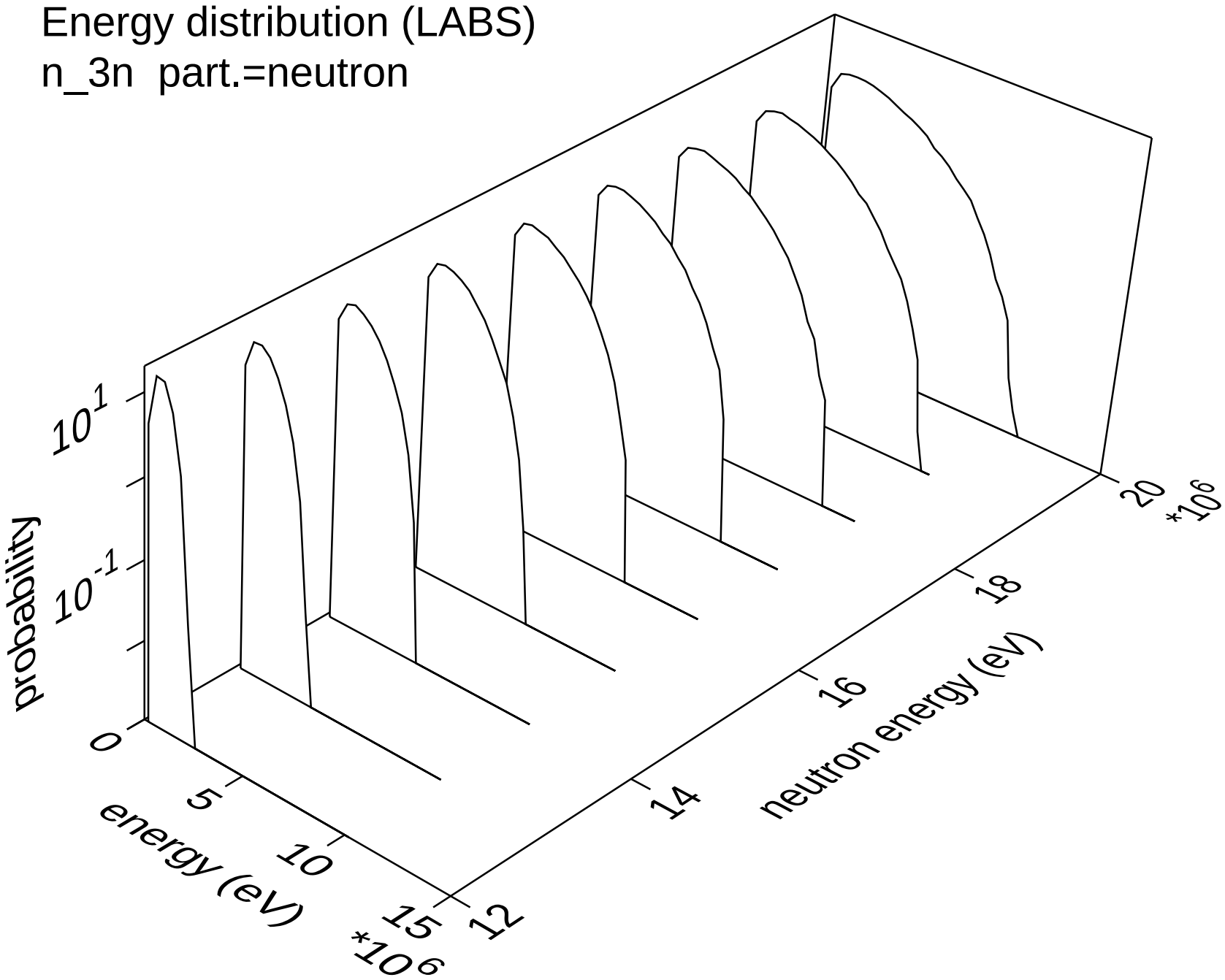

Angular distribution (CMS)
Elastic
probability
10^0
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
0
5
10
15
20
*10^6
neutron energy (eV)

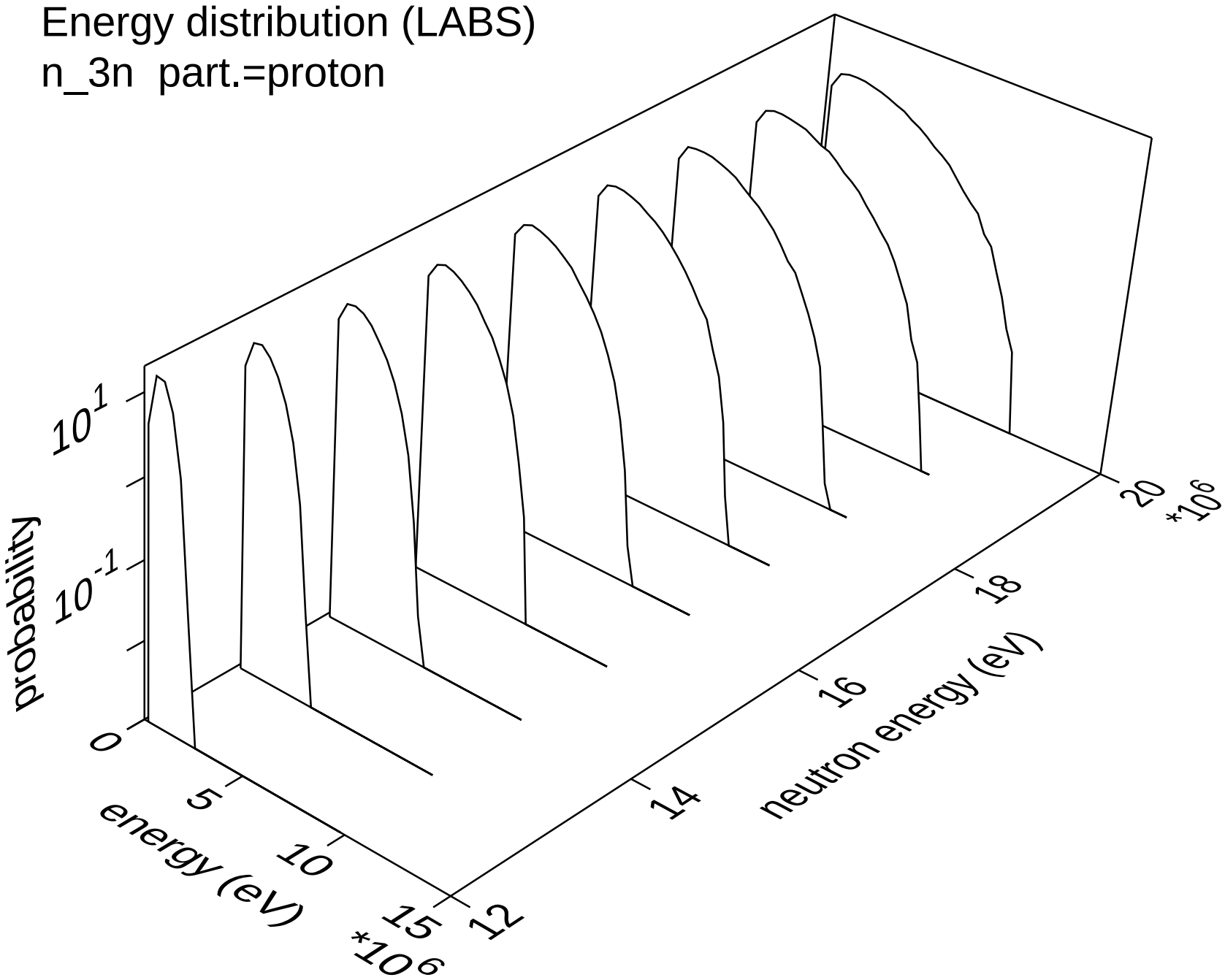

Angular distribution (LABS)
n_2n
probability
10^{1}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
5
10
15
20
*10^6
neutron energy (eV)


Angular distribution (LABS)
n_3n part.=neutron
probability
10^{1}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
12
14
16
18
20
*10^6
neutron energy (eV)


Angular distribution (LABS)
n_3n part.=proton
probability
10^{1}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
12
14
16
18
20
*10^6
neutron energy (eV)


Energy distribution (LABS)
n_2n
probability
10^{1}
10^{-1}
0
5
10
15
energy (eV)
*10^6
5
10
15
20
neutron energy (eV)
*10^6


Energy distribution (LABS)
n_3n part.=neutron
probability
10^{1}
10^{-1}
0
energy (eV)
5
10
15
*10^6
12
14
16
18
20
*10^6
neutron energy (eV)


Energy distribution (LABS)
n_3n part.=proton
probability
10^1
10^-1
0
energy (eV)
5
10
15
*10^6
12
14
16
18
20
*10^6
neutron energy (eV)