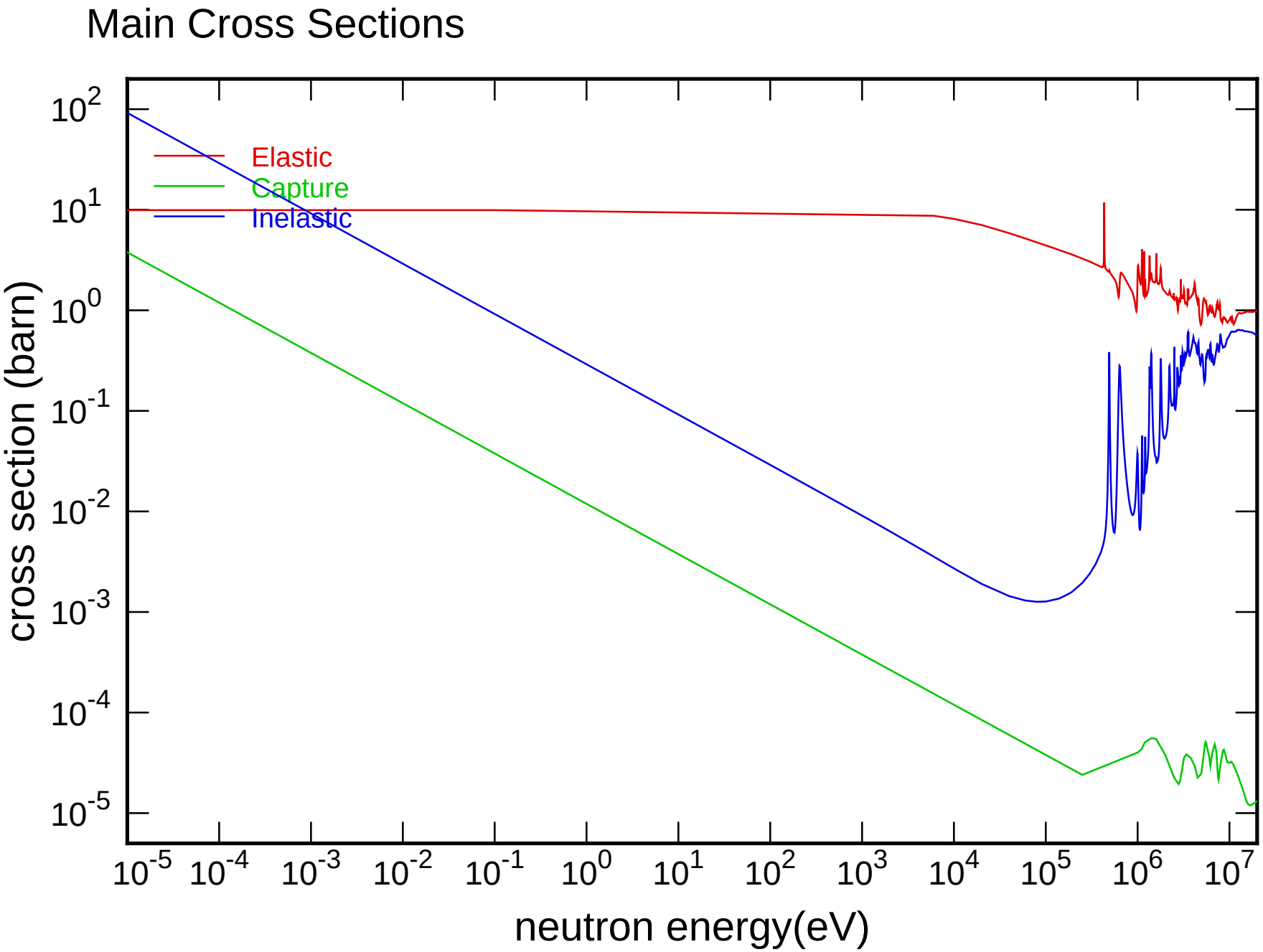
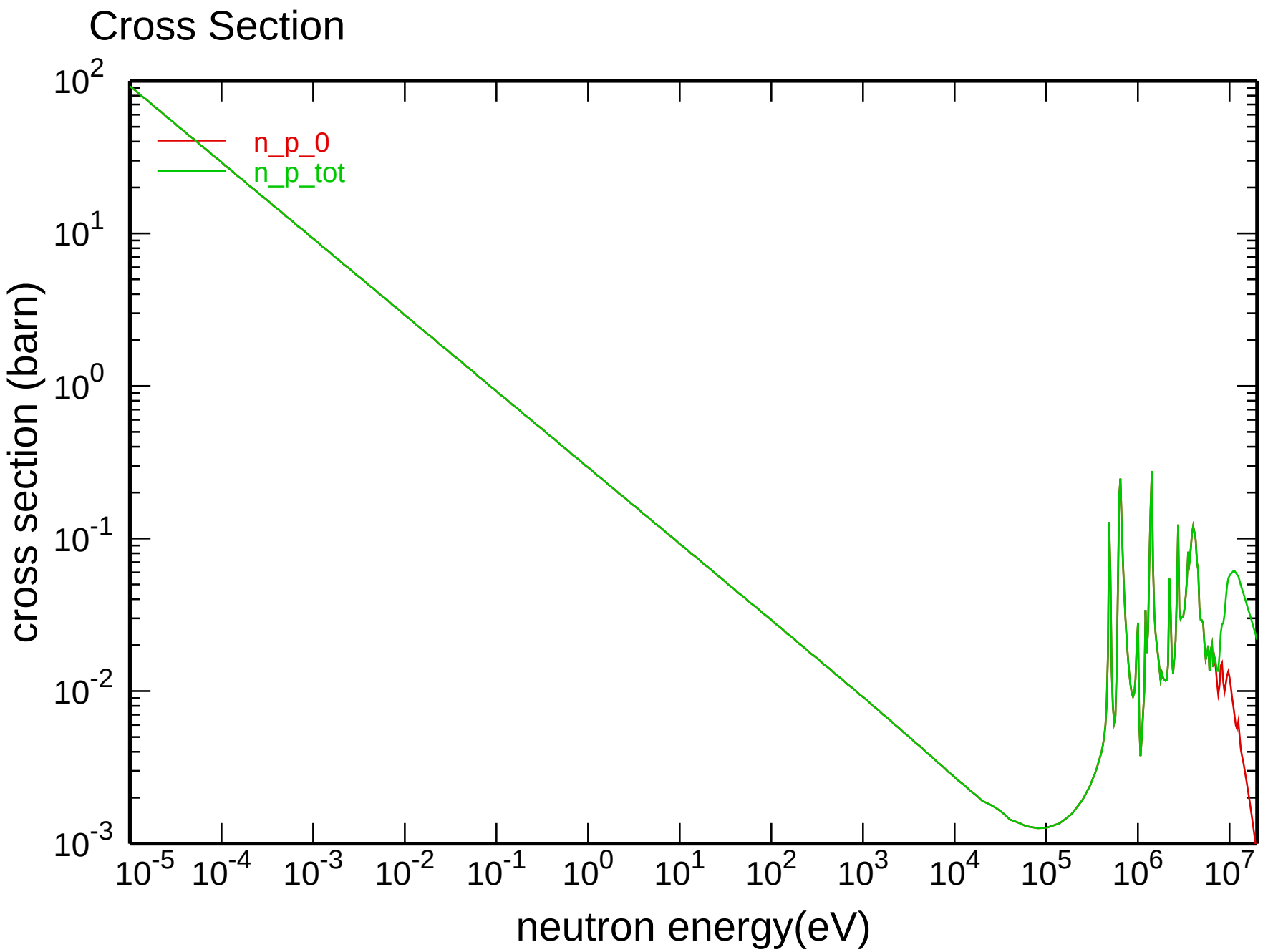
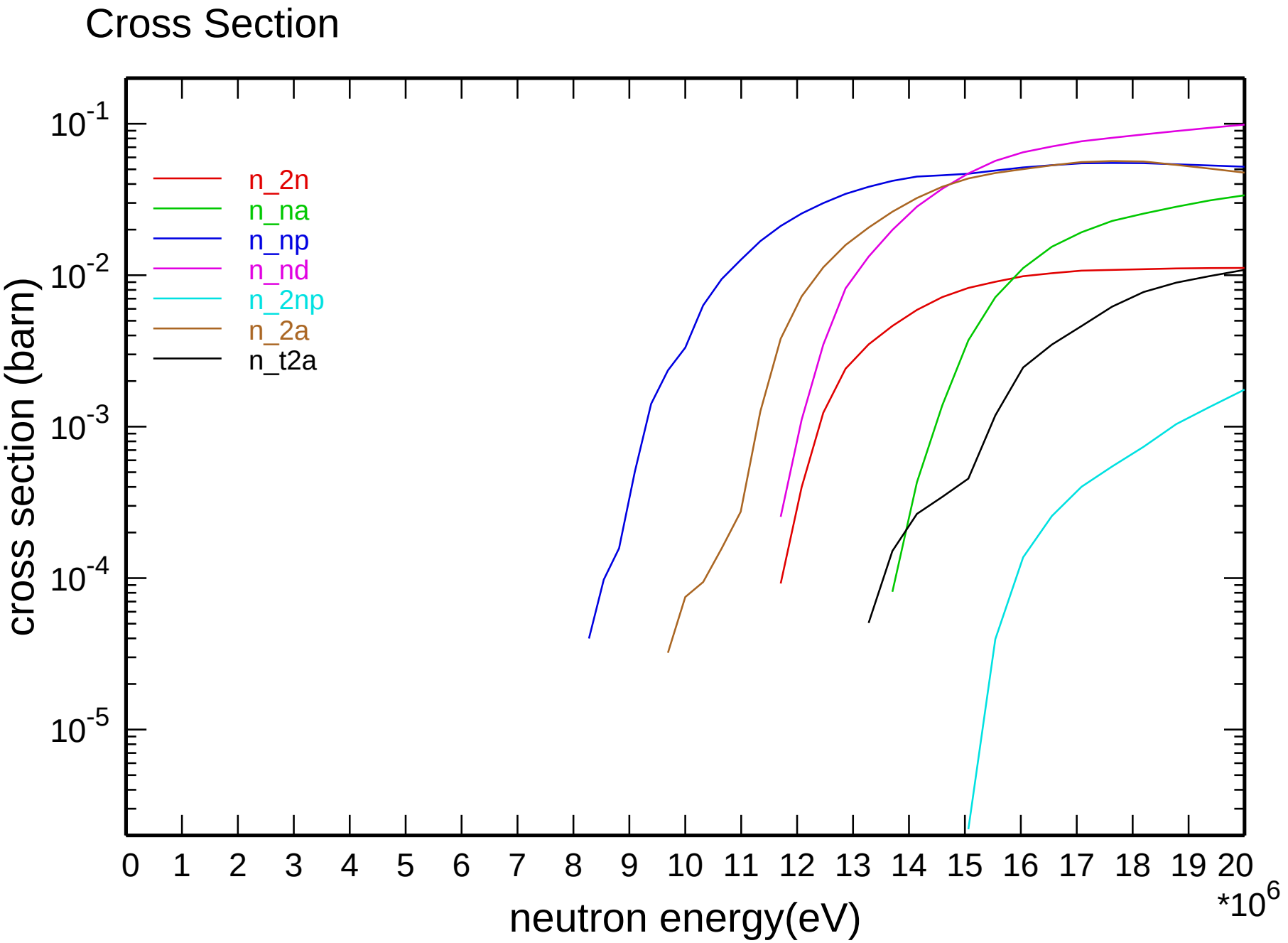
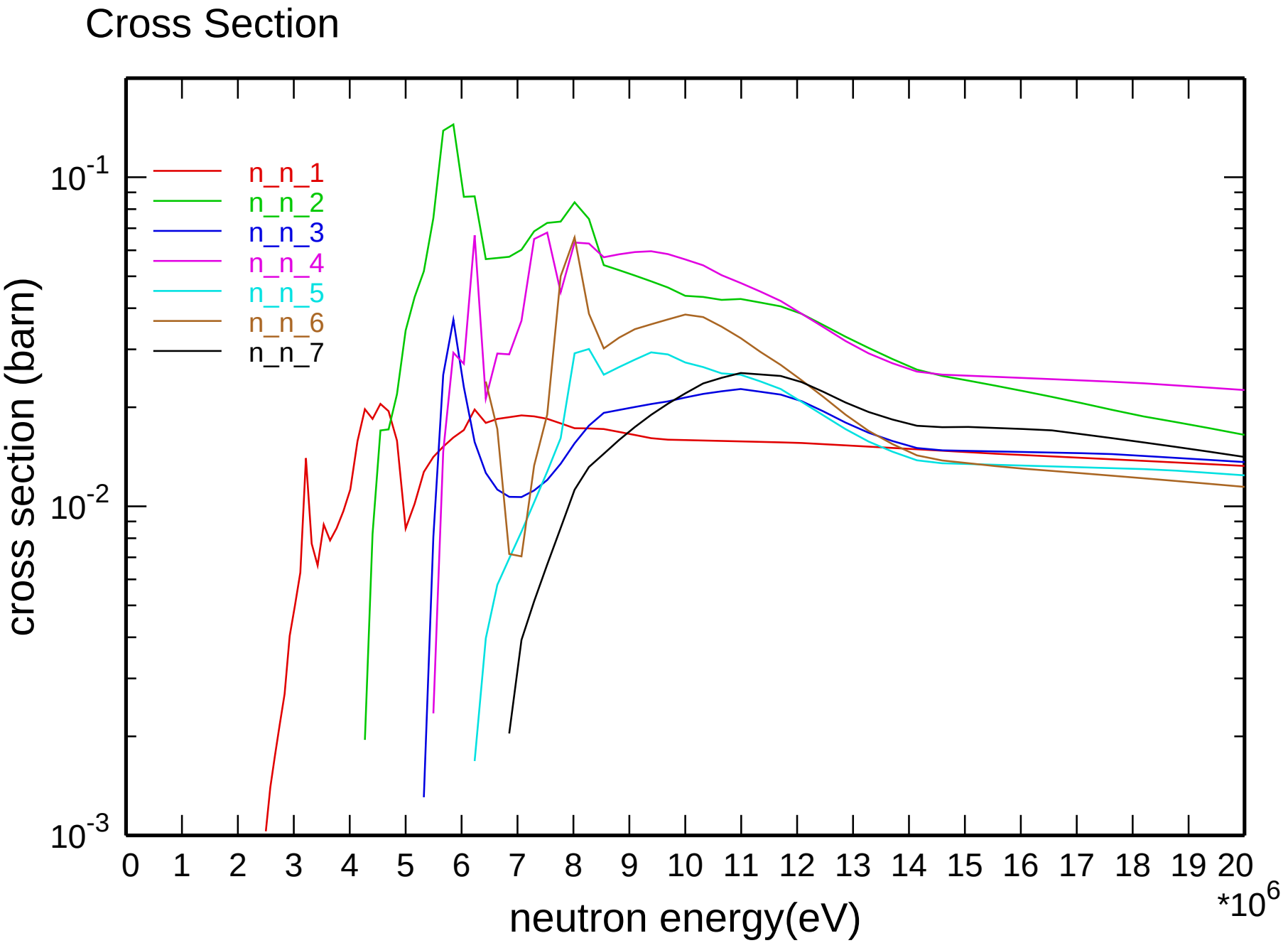
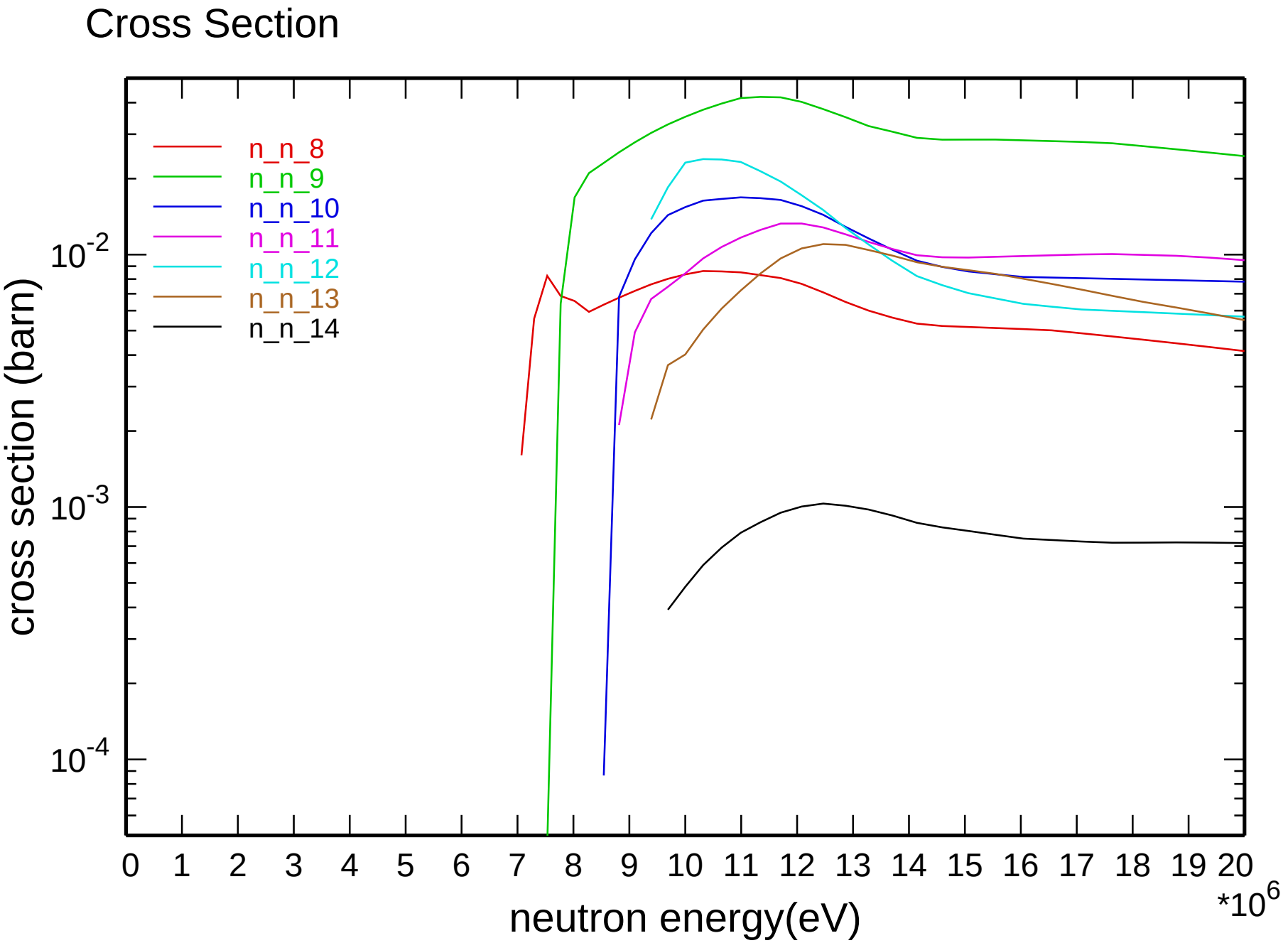
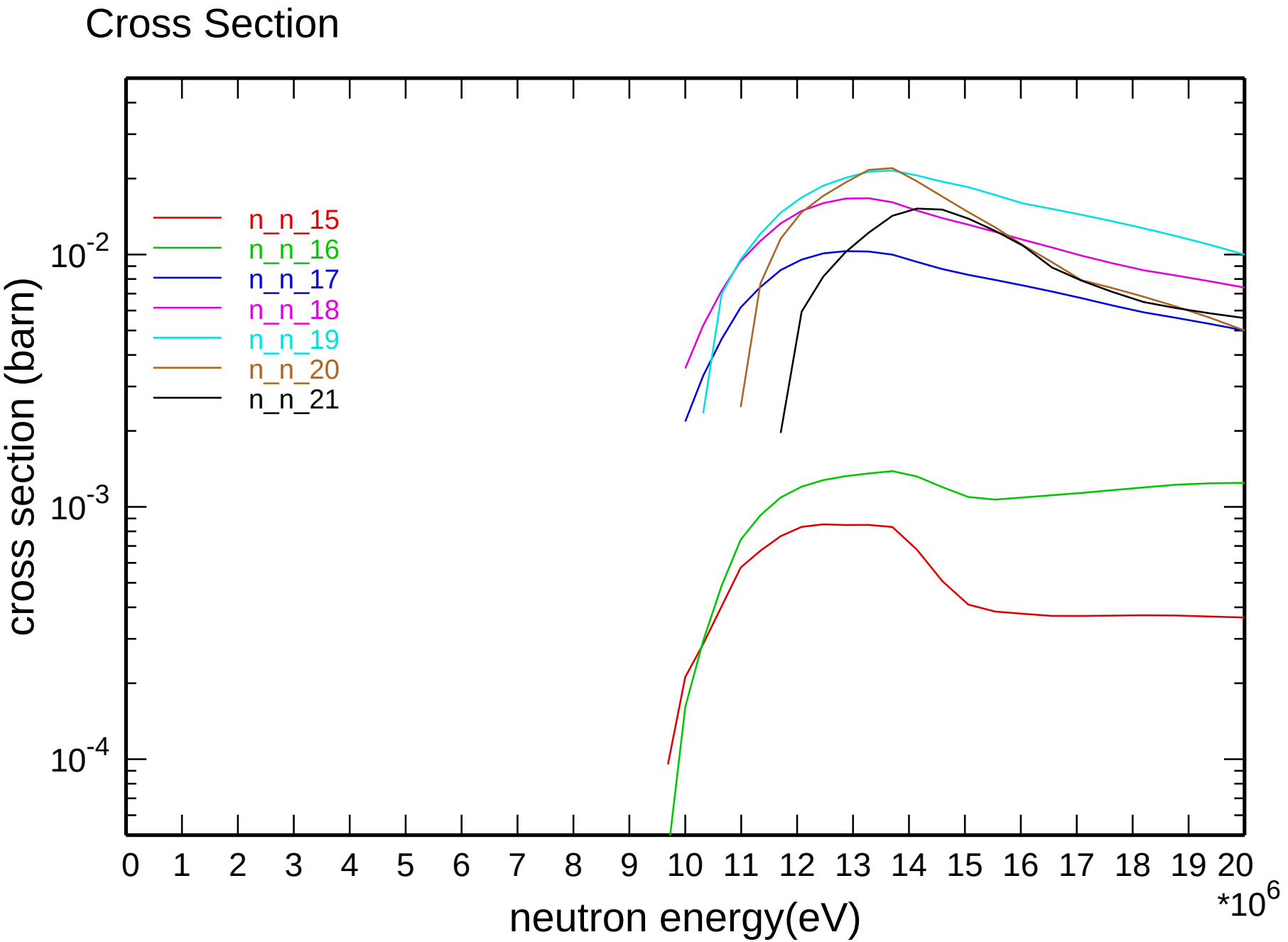

Main Cross Sections
Elastic
Capture
Inelastic
cross section (barn)
neutron energy(eV)
10^2
10^1
10^0
10^-1
10^-2
10^-3
10^-4
10^-5
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7

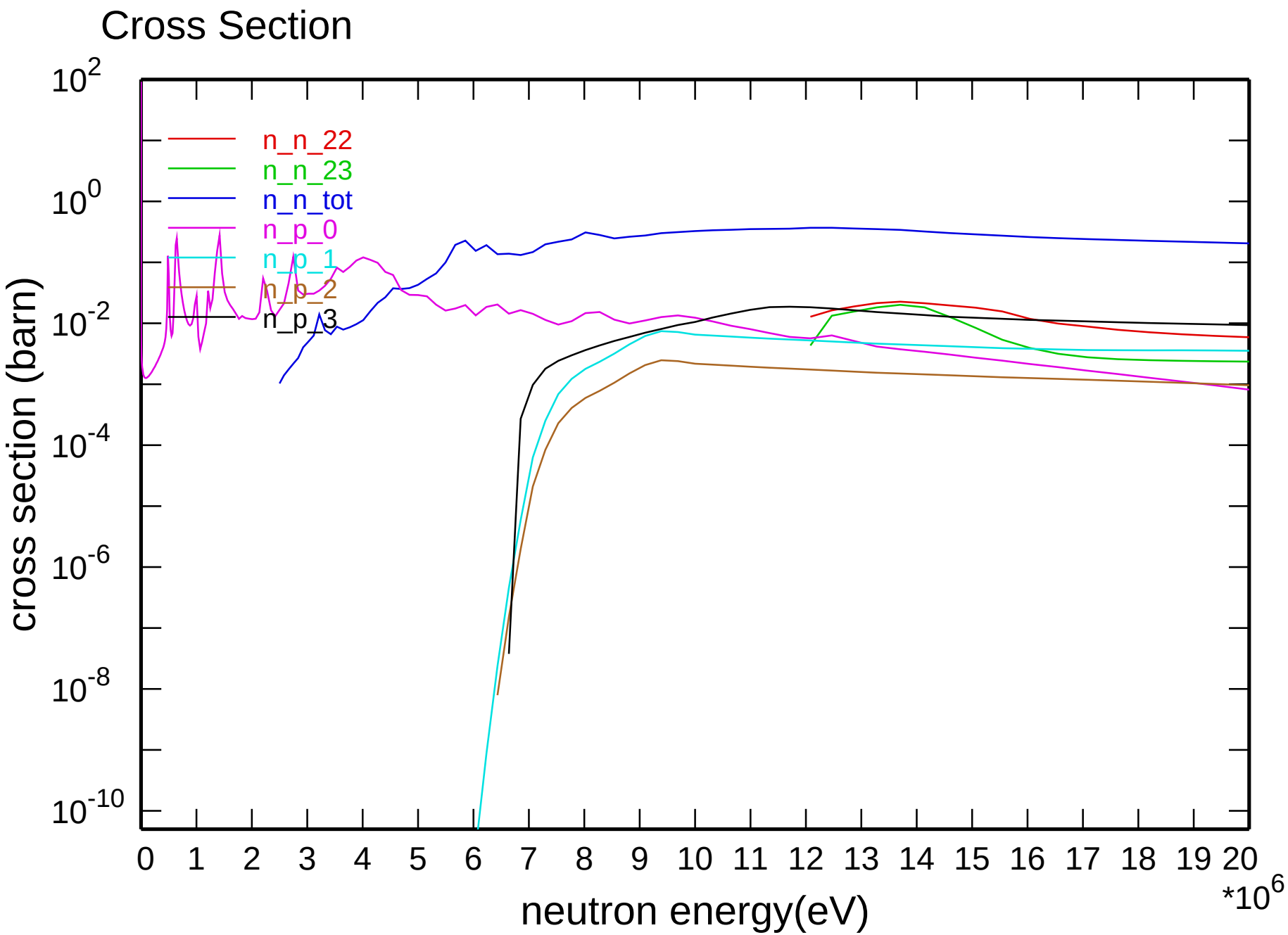

Cross Section
n_p_0
n_p_tot
cross section (barn)
neutron energy(eV)
10^2
10^1
10^0
10^-1
10^-2
10^-3
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7

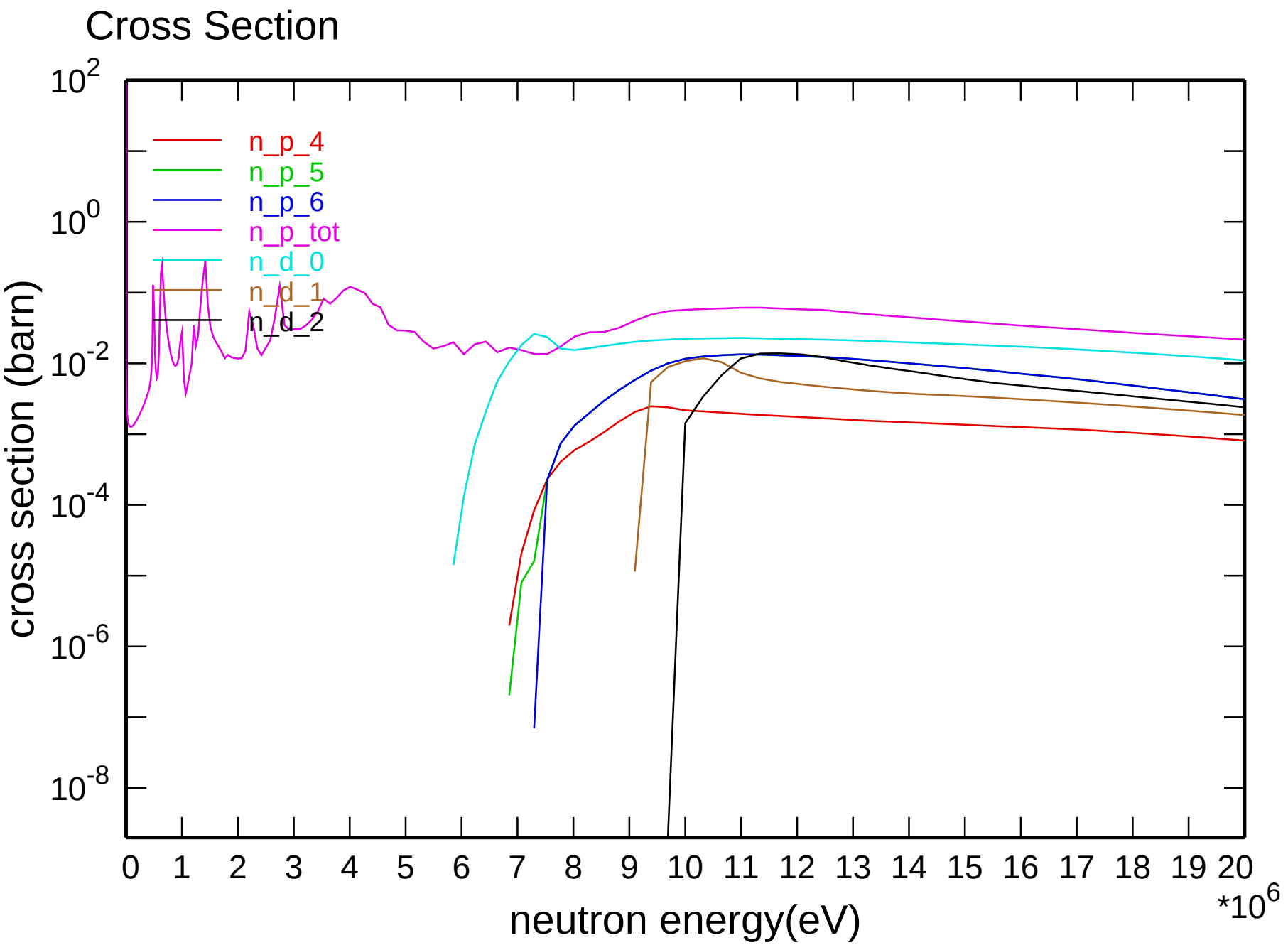

Cross Section
cross section (barn)
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
n_2n
n_na
n_np
n_nd
n_2np
n_2a
n_t2a
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
*10^{6}
neutron energy(eV)

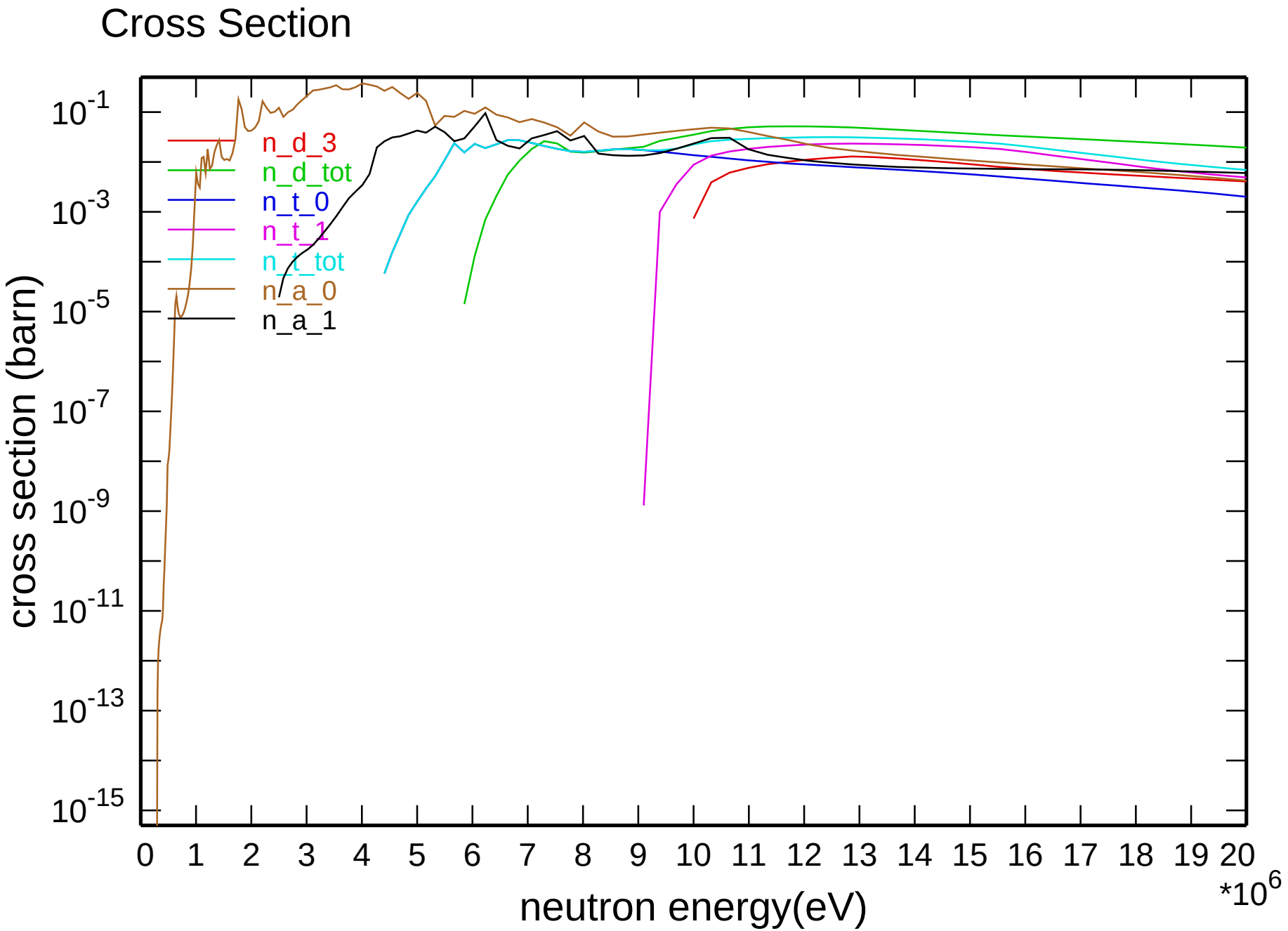

Cross Section
n_n_1
n_n_2
n_n_3
n_n_4
n_n_5
n_n_6
n_n_7
cross section (barn)
10-1
10-2
10-3
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
*10^6
neutron energy(eV)

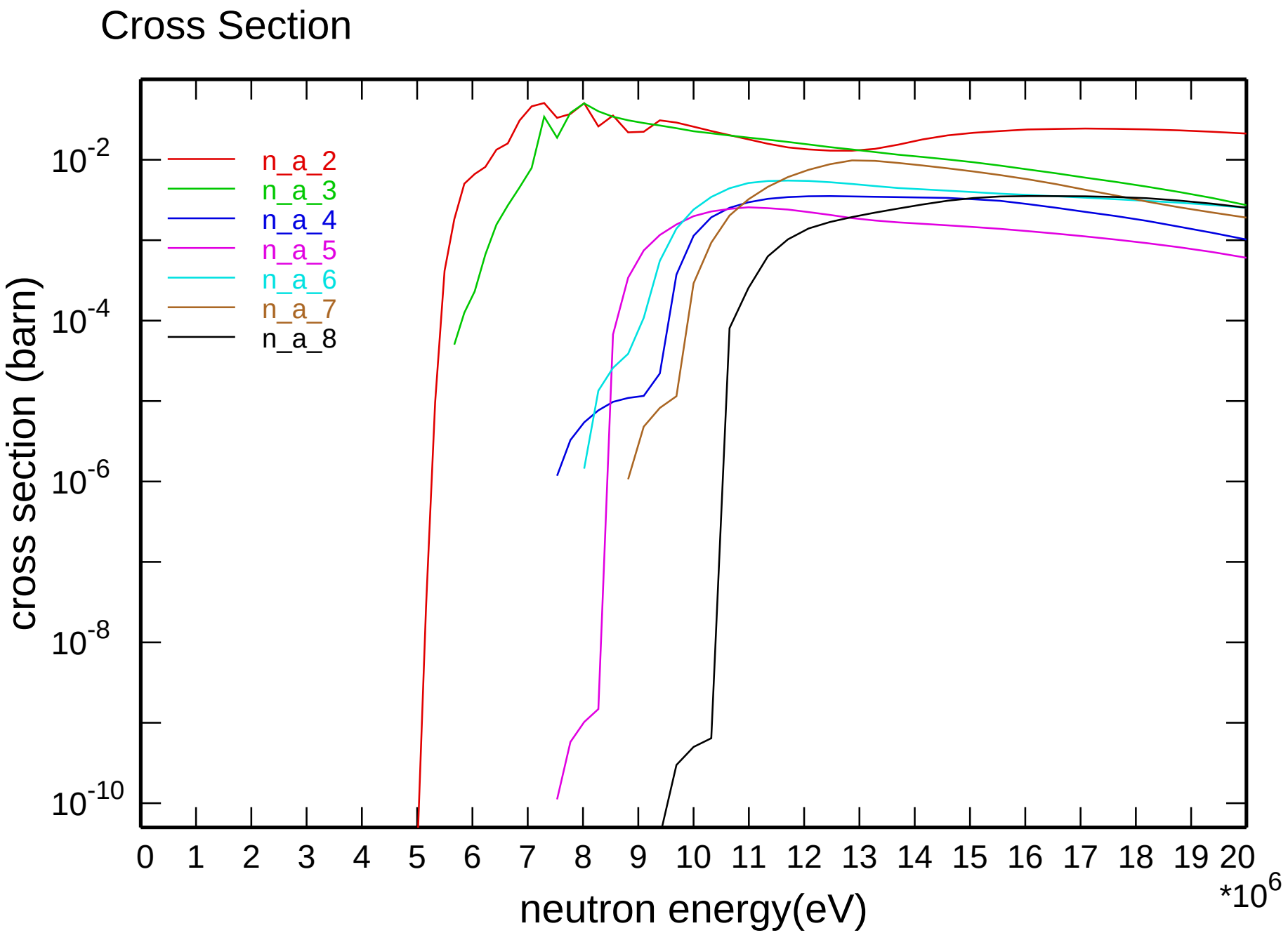

Cross Section
n_n_8
n_n_9
n_n_10
n_n_11
n_n_12
n_n_13
n_n_14
cross section (barn)
10-2
10-3
10-4
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
*10^6
neutron energy(eV)

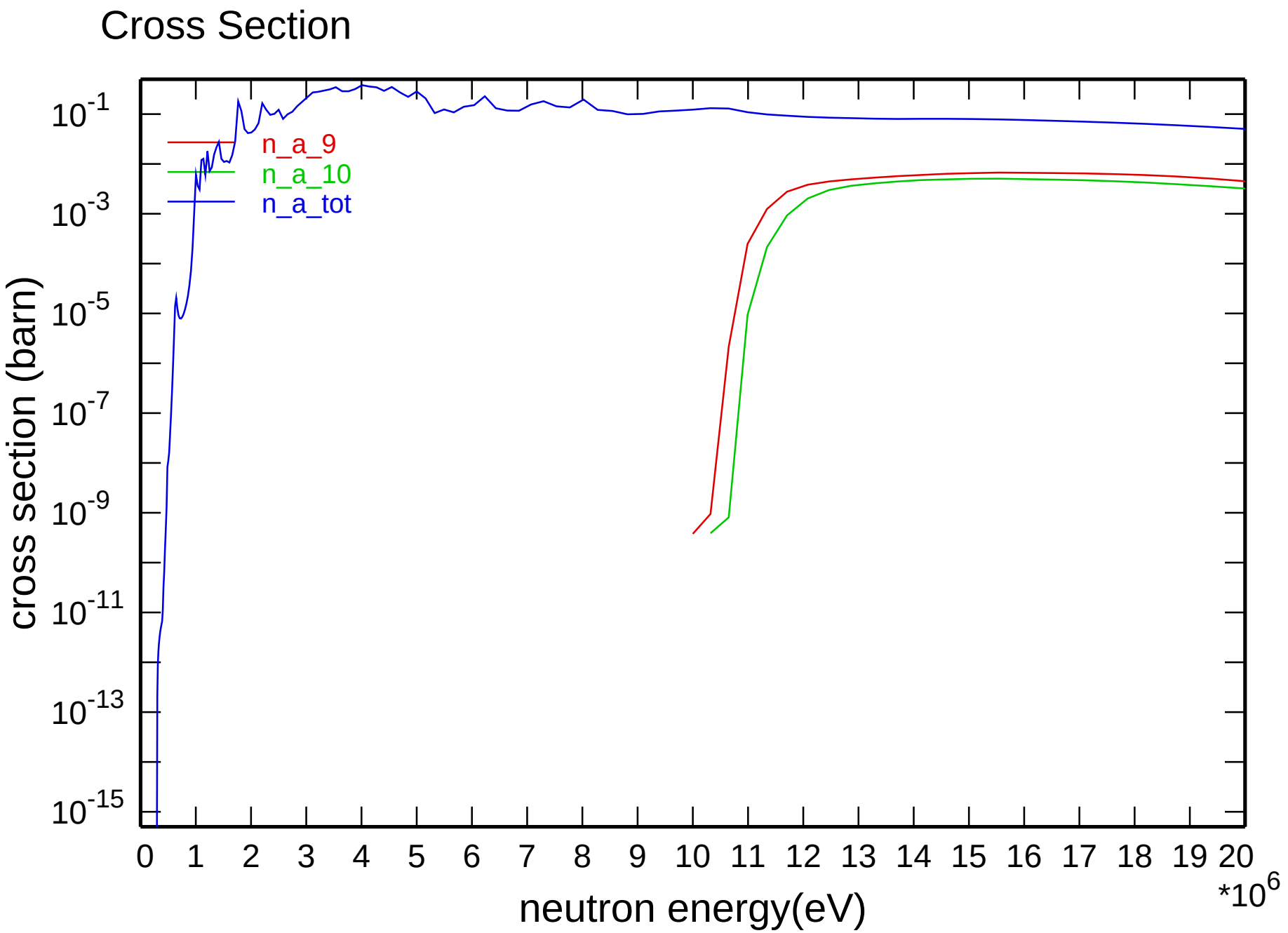

Cross Section
n_n_15
n_n_16
n_n_17
n_n_18
n_n_19
n_n_20
n_n_21
cross section (barn)
10-2
10-3
10-4
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
*10^6
neutron energy(eV)

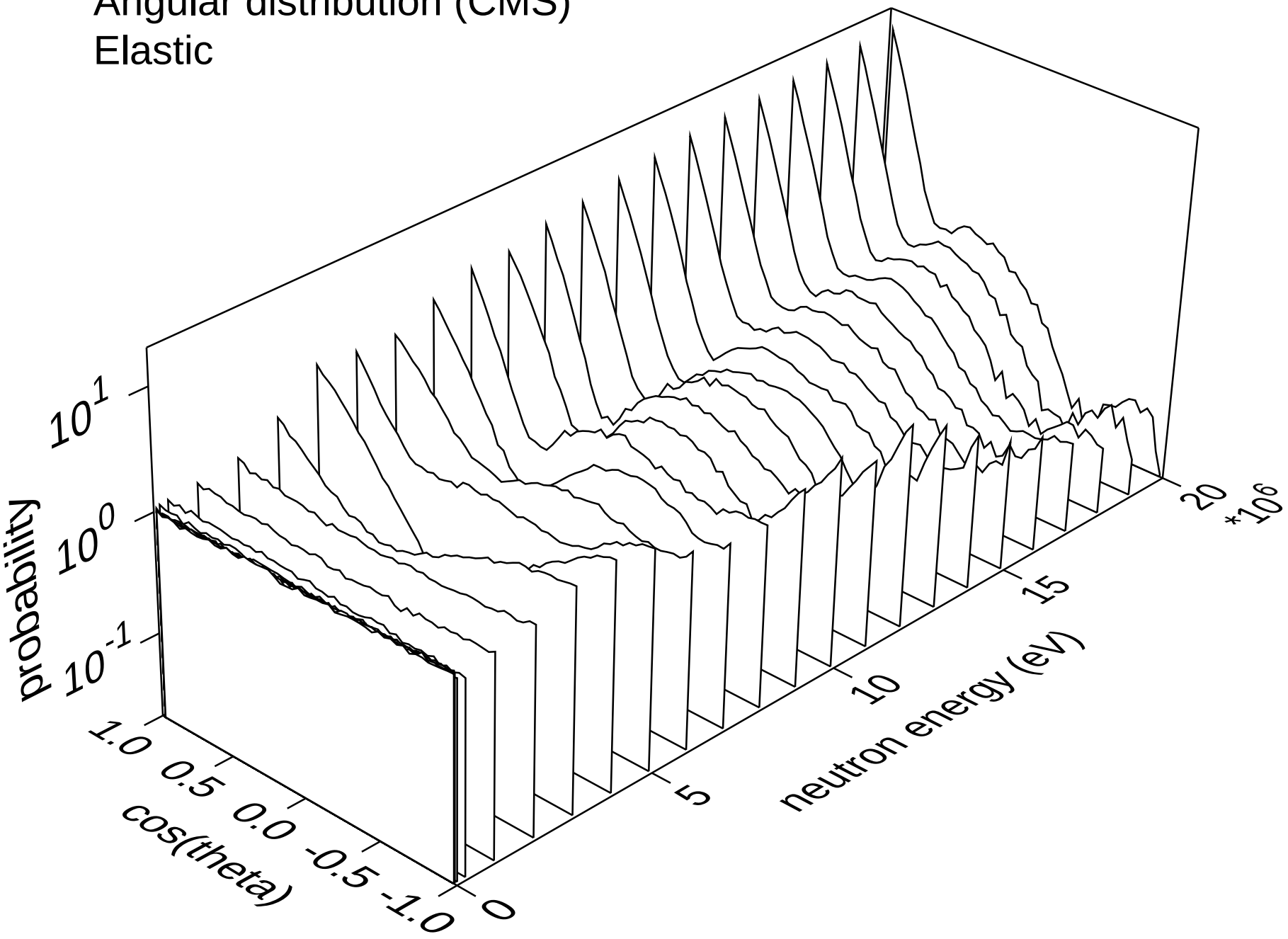

Cross Section
n_n_22
n_n_23
n_n_tot
n_p_0
n_p_1
n_p_2
n_p_3
cross section (barn)
neutron energy(eV)
*10^6

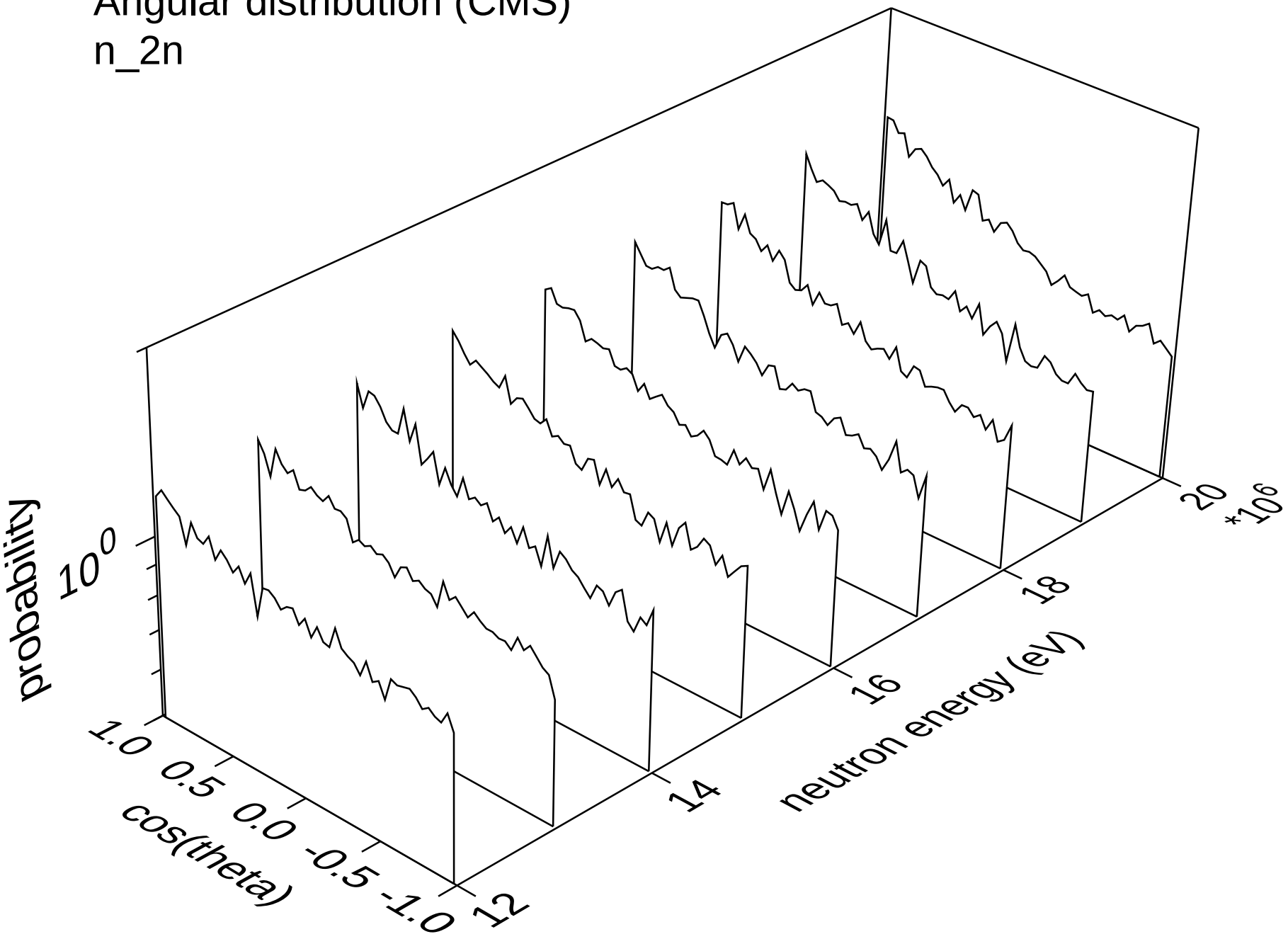

Cross Section
cross section (barn)
neutron energy(eV)
*10^6
n_p_4
n_p_5
n_p_6
n_p_tot
n_d_0
n_d_1
n_d_2
10^2
10^0
10^-2
10^-4
10^-6
10^-8
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

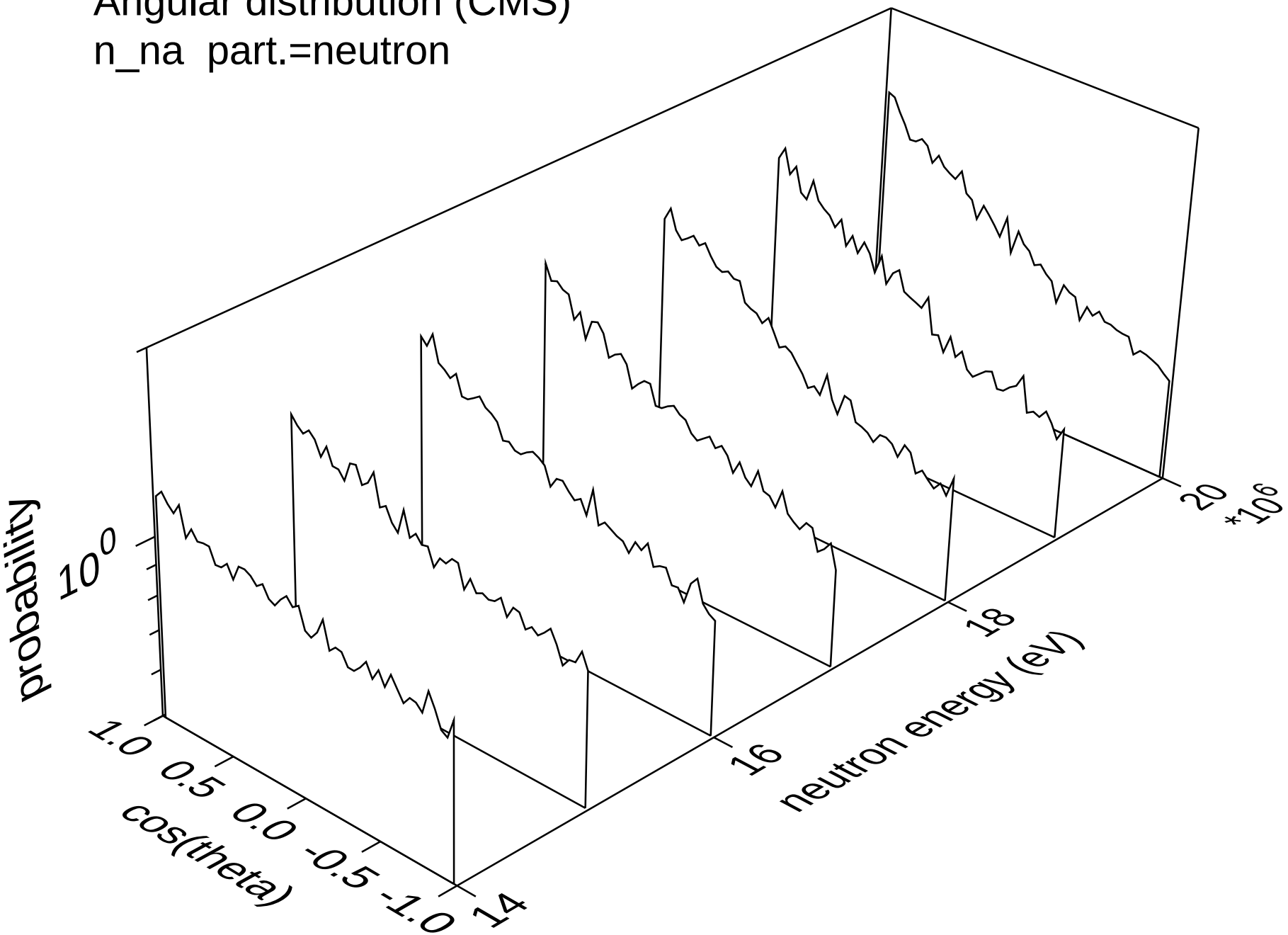

Cross Section
cross section (barn)
10-1
10-3
10-5
10-7
10-9
10-11
10-13
10-15
n_d_3
n_d_tot
n_t_0
n_t_1
n_t_tot
n_a_0
n_a_1
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
*10^6
neutron energy(eV)

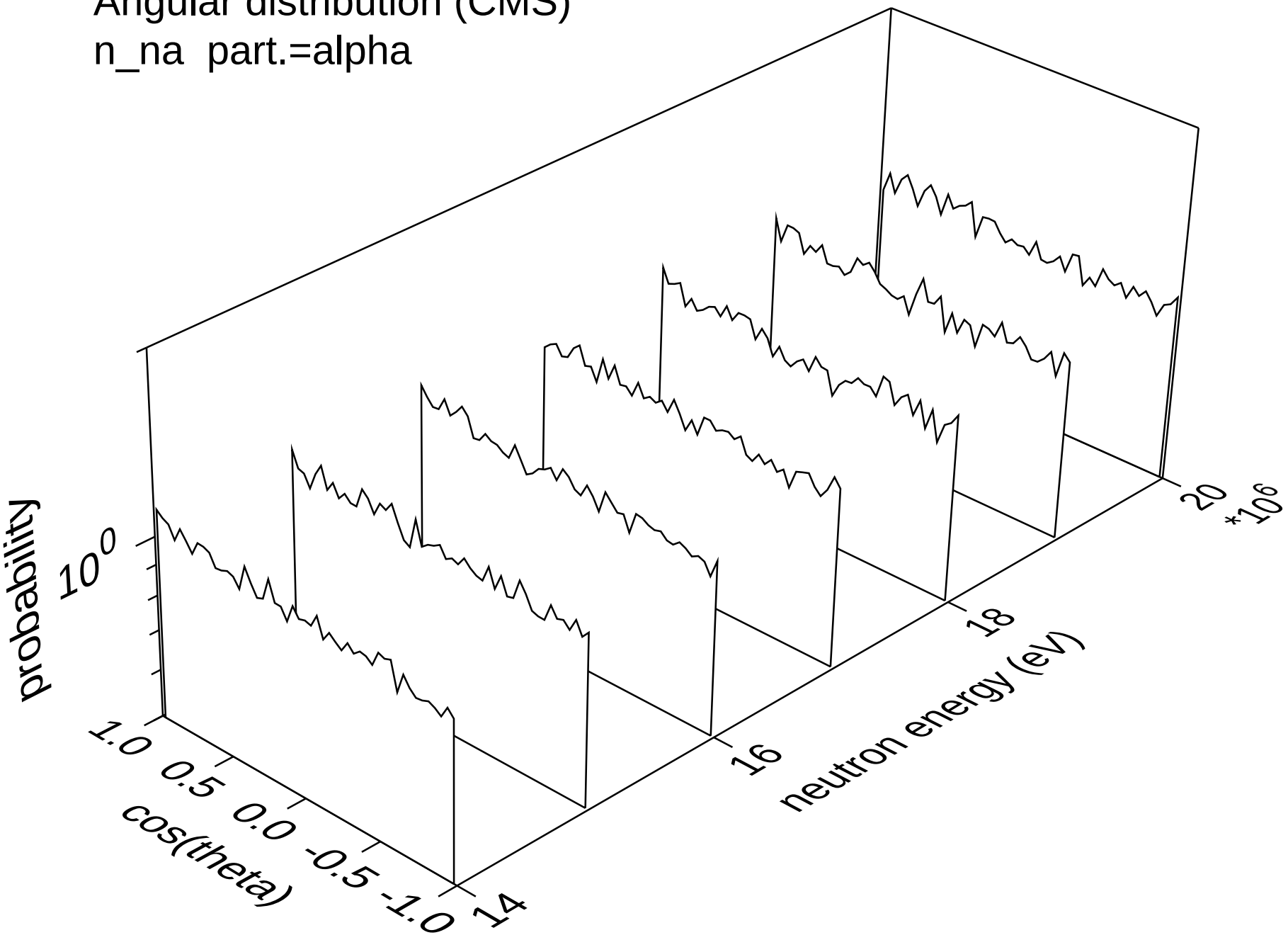

Cross Section
cross section (barn)
10-2
10-4
10-6
10-8
10-10
n_a_2
n_a_3
n_a_4
n_a_5
n_a_6
n_a_7
n_a_8
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
*10^6
neutron energy(eV)

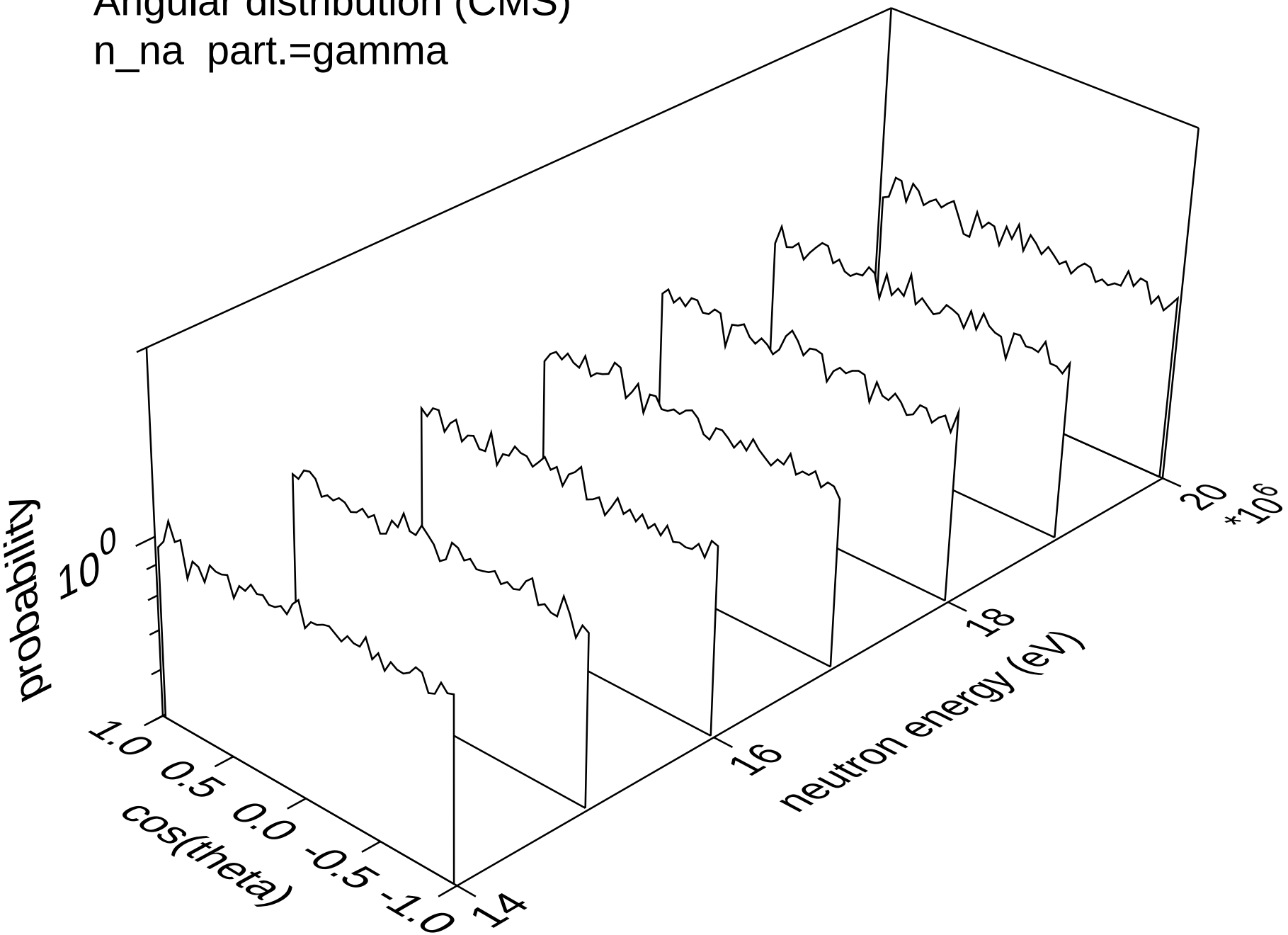

Cross Section
n_a_9
n_a_10
n_a_tot
cross section (barn)
10-1
10-3
10-5
10-7
10-9
10-11
10-13
10-15
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
*10^6
neutron energy(eV)

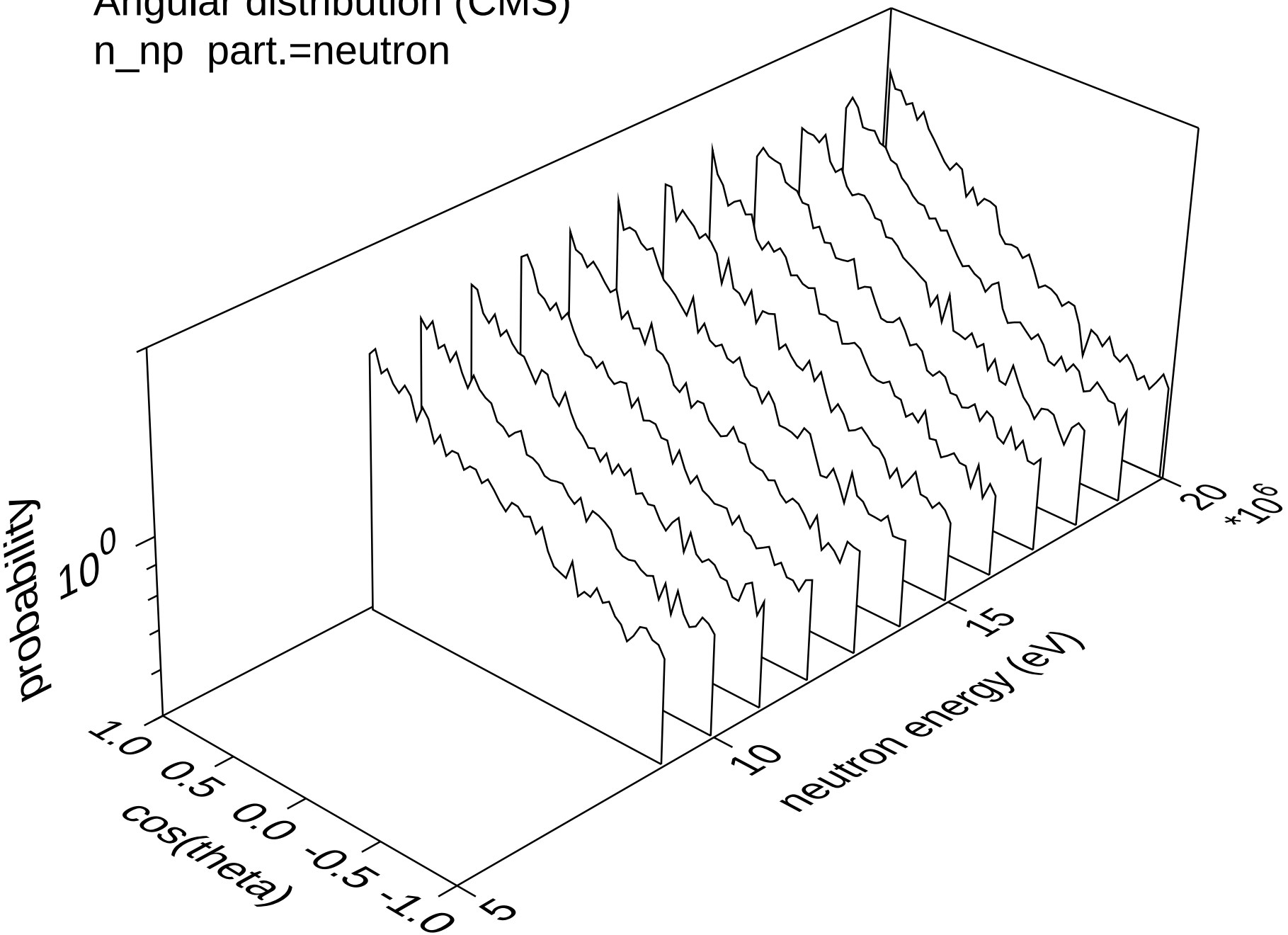

Angular distribution (CMS)
Elastic
probability
10^{1}
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
0
5
10
15
20
*10^6
neutron energy (eV)

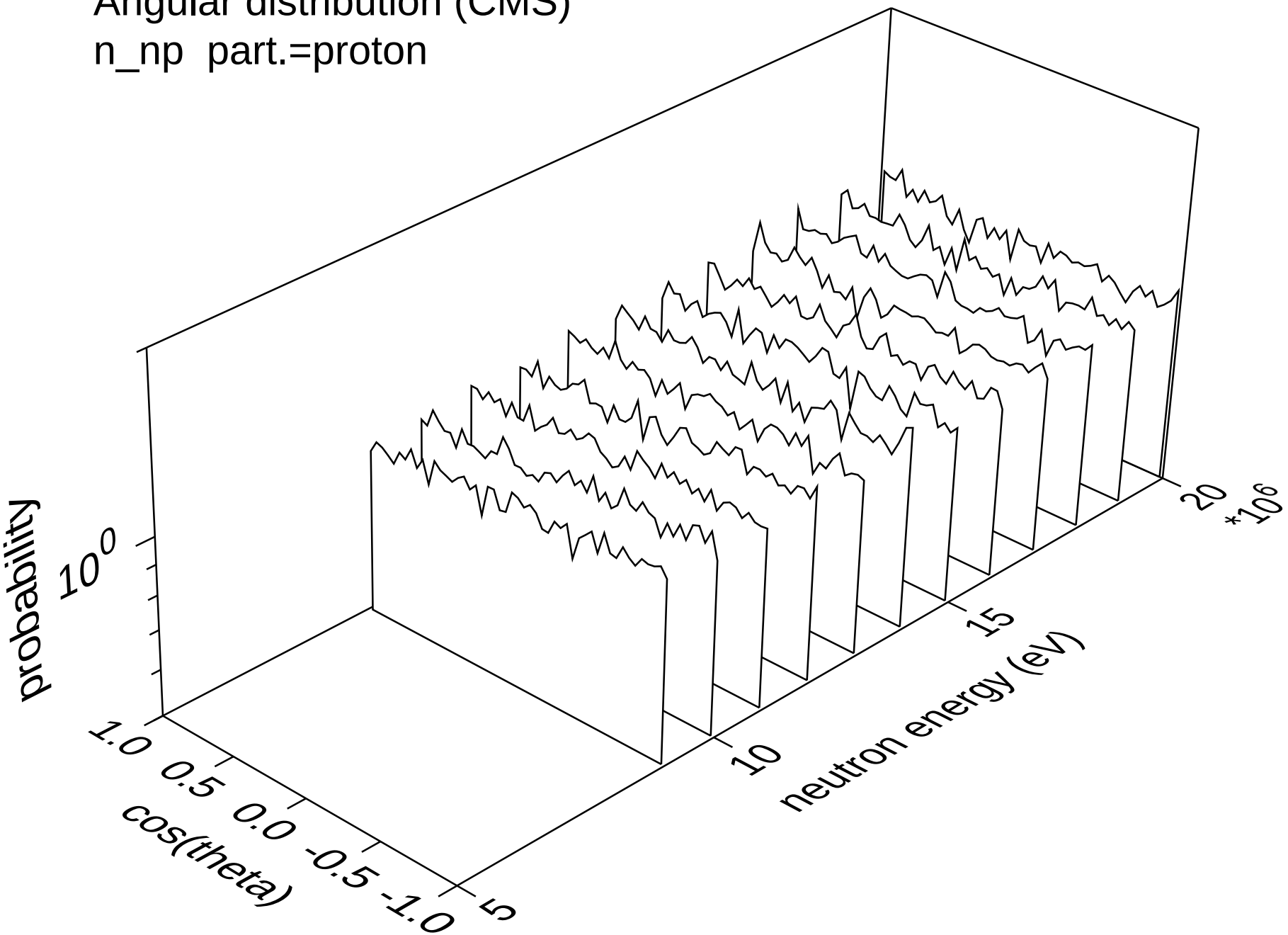

Angular distribution (CMS)
n_2n
probability
10^0
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
12
14
16
18
20
*10^6
neutron energy (eV)

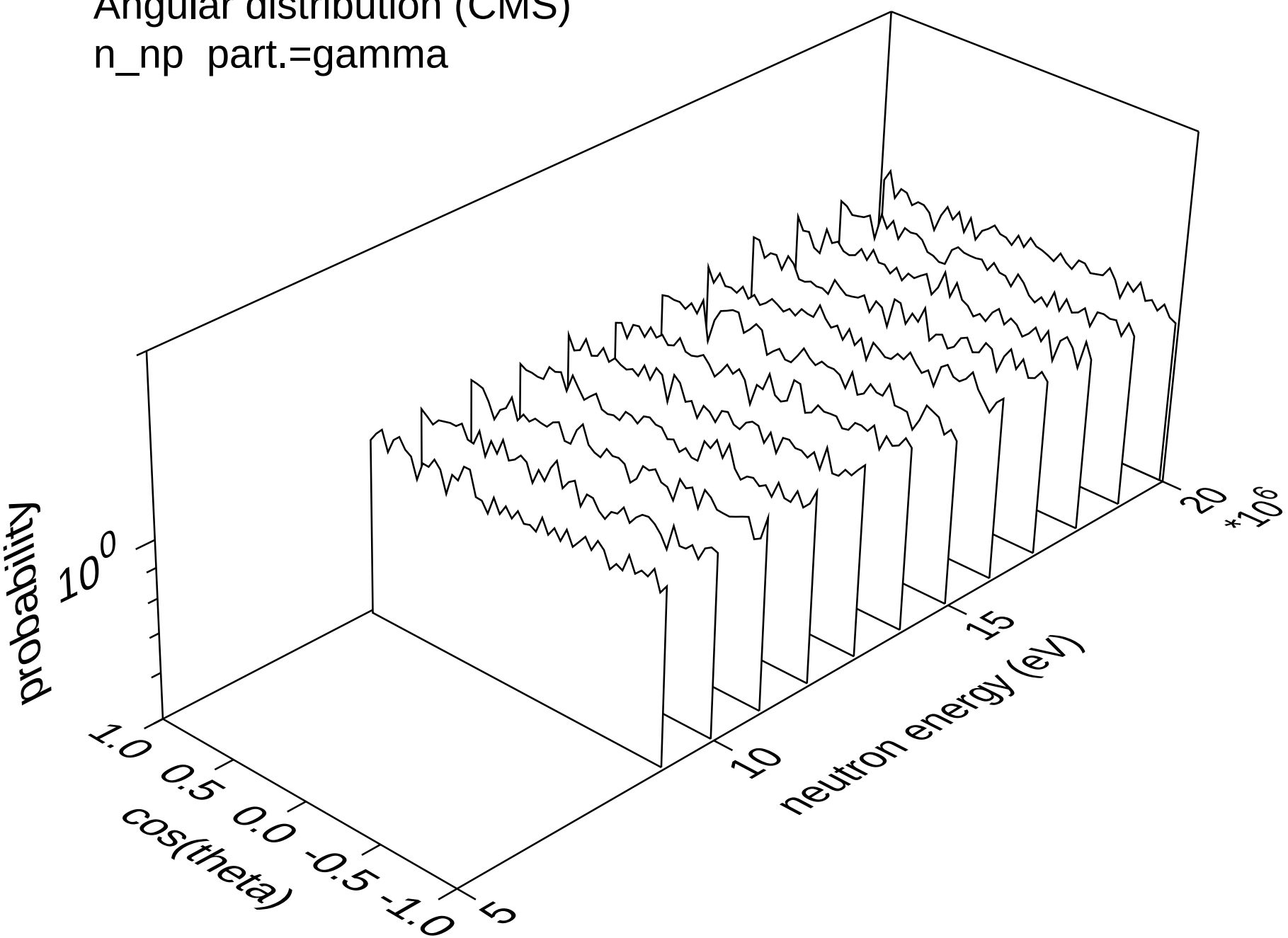

Angular distribution (CMS)
n_na part.=neutron
probability
10^0
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
14
16
18
20
*10^6
neutron energy (eV)

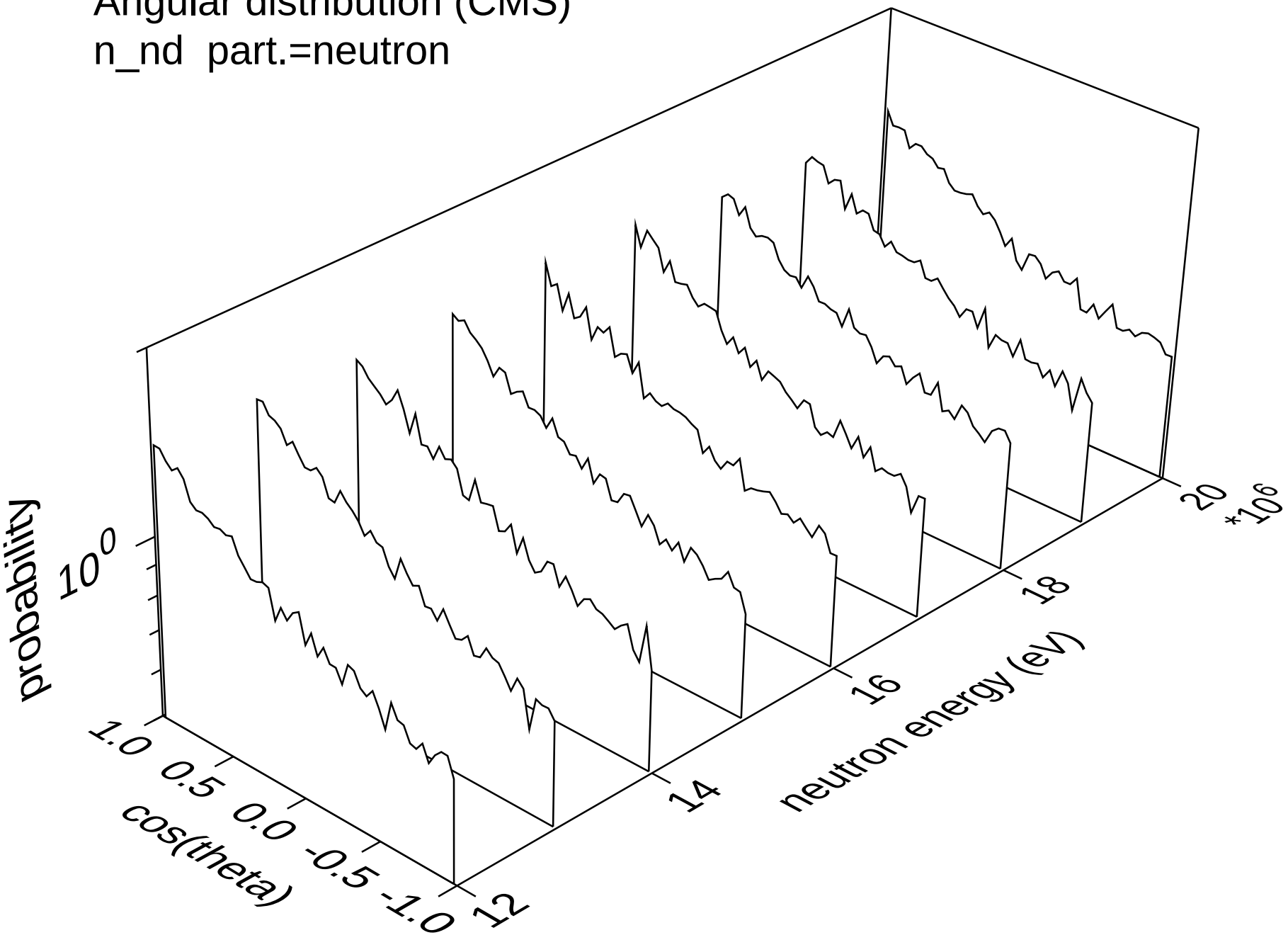

Angular distribution (CMS)
n_na part.=alpha
probability
10^0
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
14
16
18
20
*10^6
neutron energy (eV)

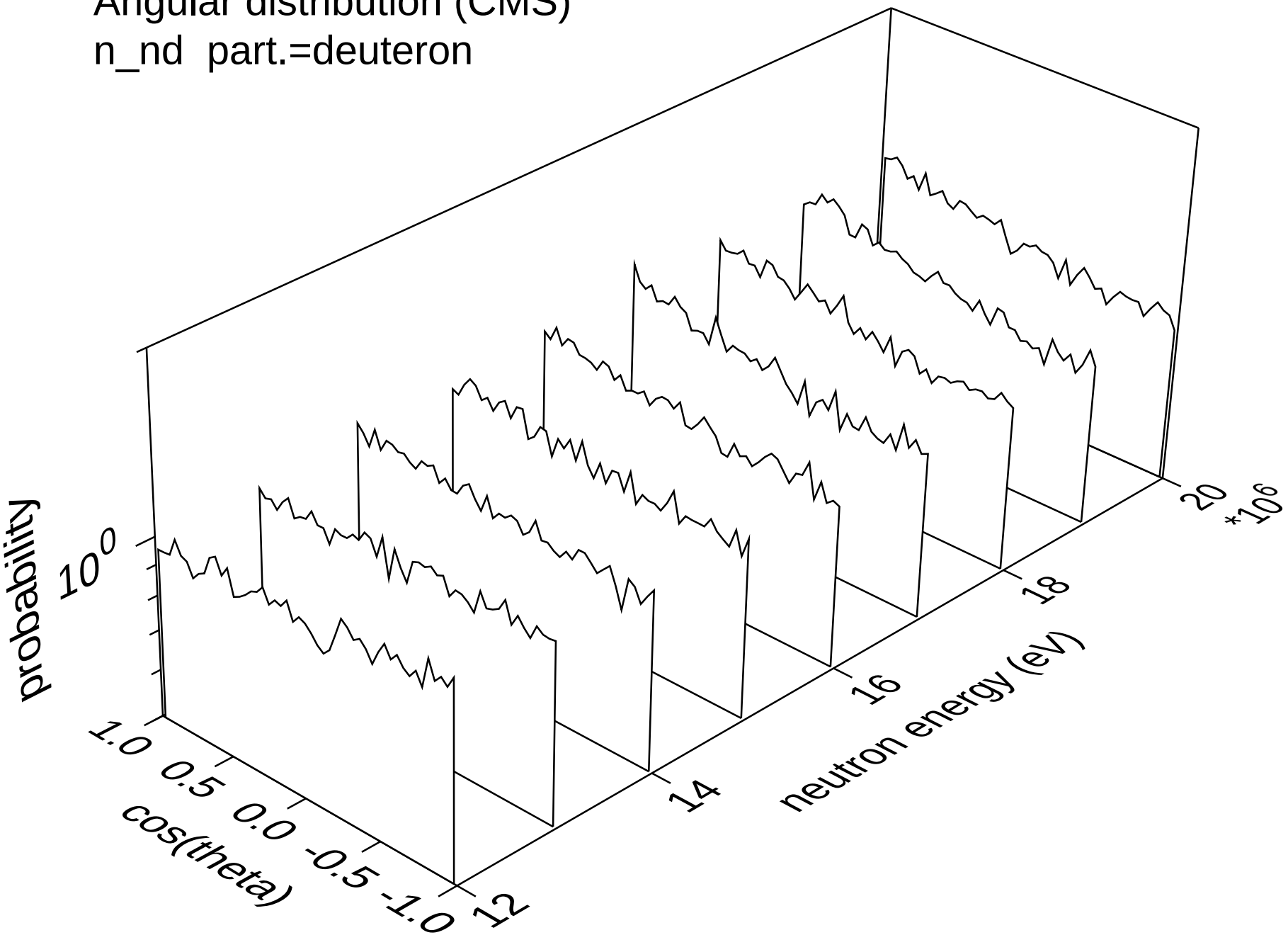

Angular distribution (CMS)
n_na part.=gamma
probability
10^0
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
14
16
18
20
*10^6
neutron energy (eV)

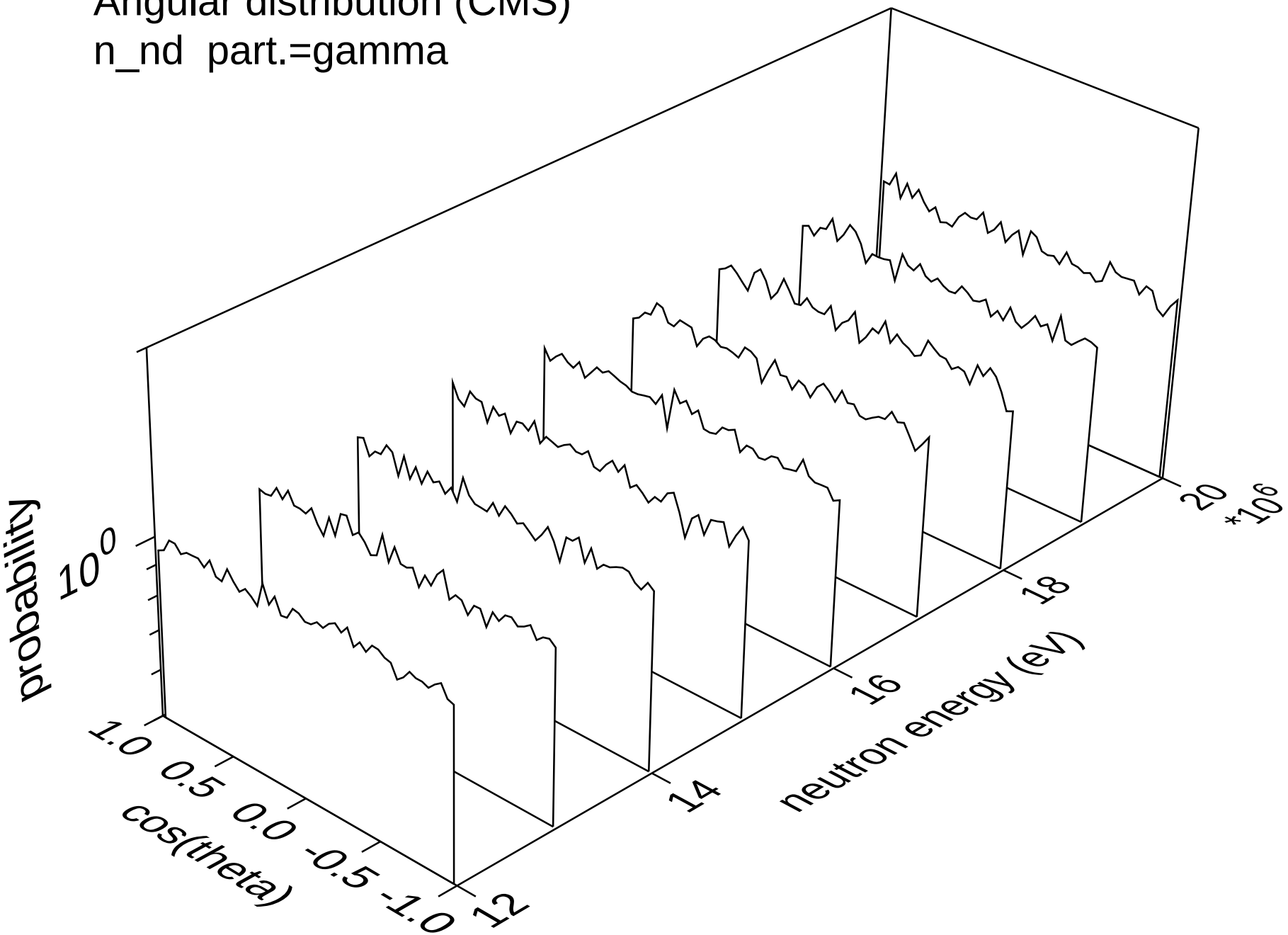

Angular distribution (CMS)
n_np part.=neutron
probability
10^0
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
5
10
15
20
*10^6
neutron energy (eV)

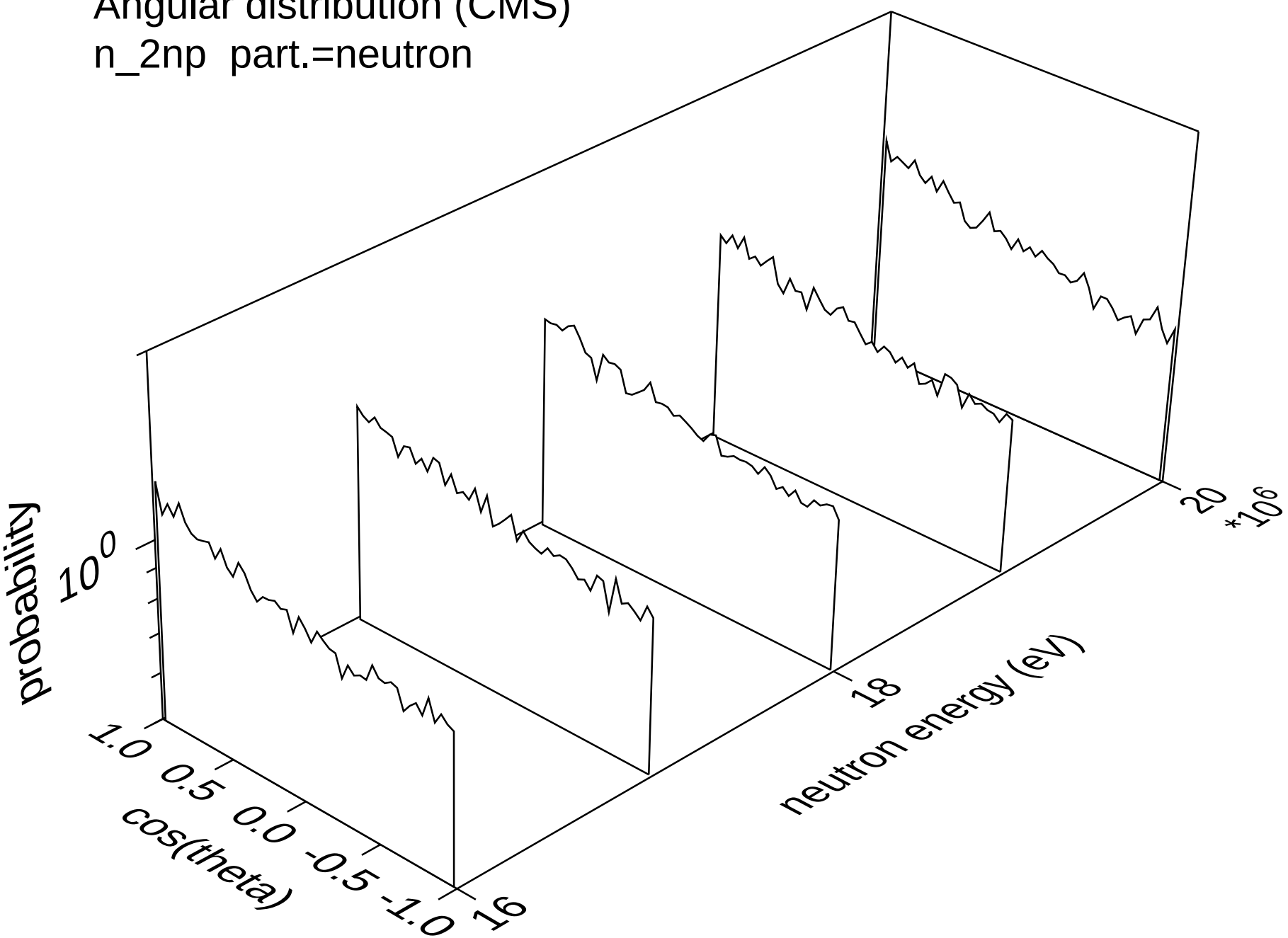

Angular distribution (CMS)
n_np part.=proton
probability
10^0
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
5
10
15
20
*10^6
neutron energy (eV)

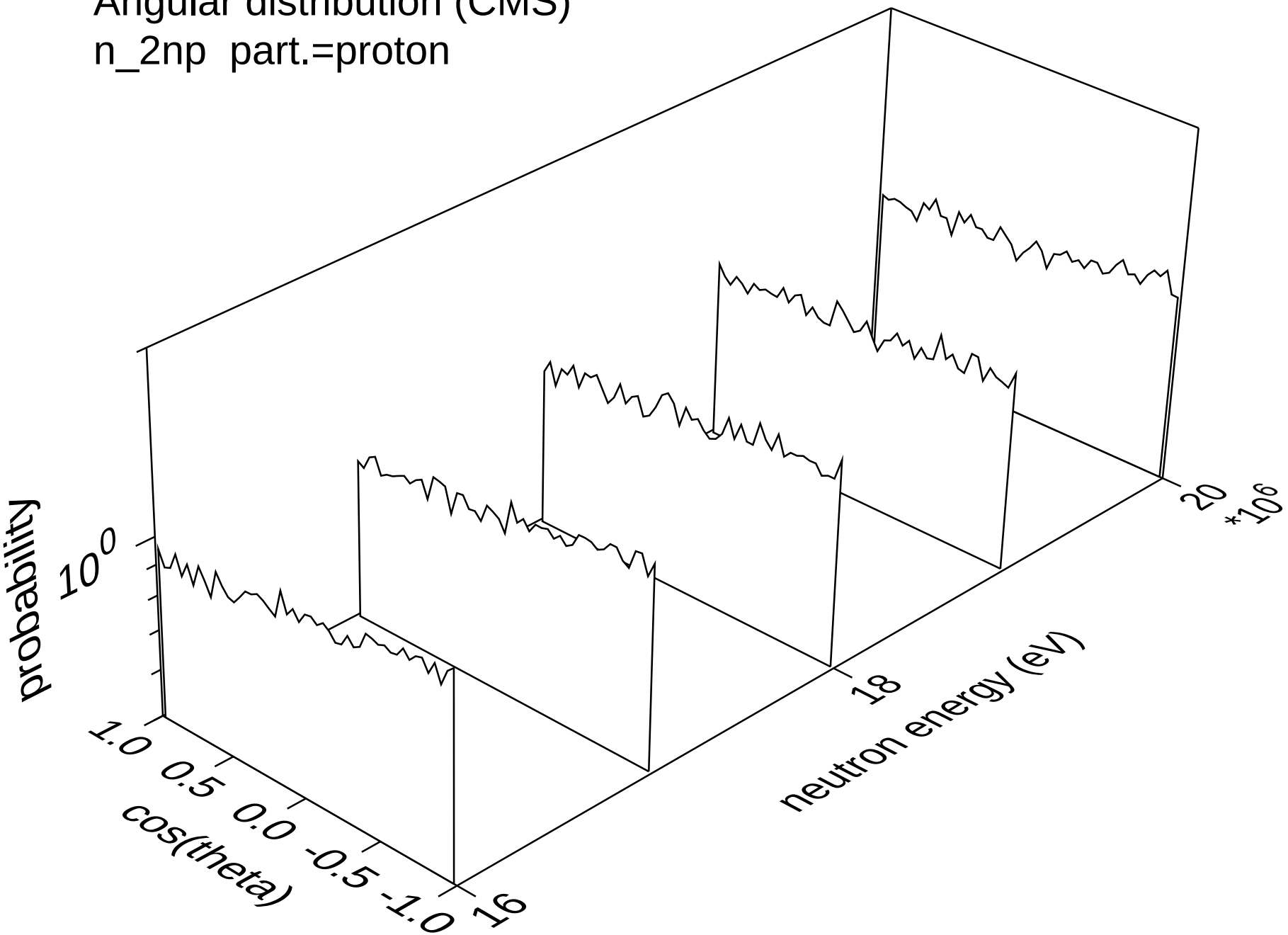

Angular distribution (CMS)
n_np part.=gamma
probability
10^0
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
5
10
15
20
*10^6
neutron energy (eV)

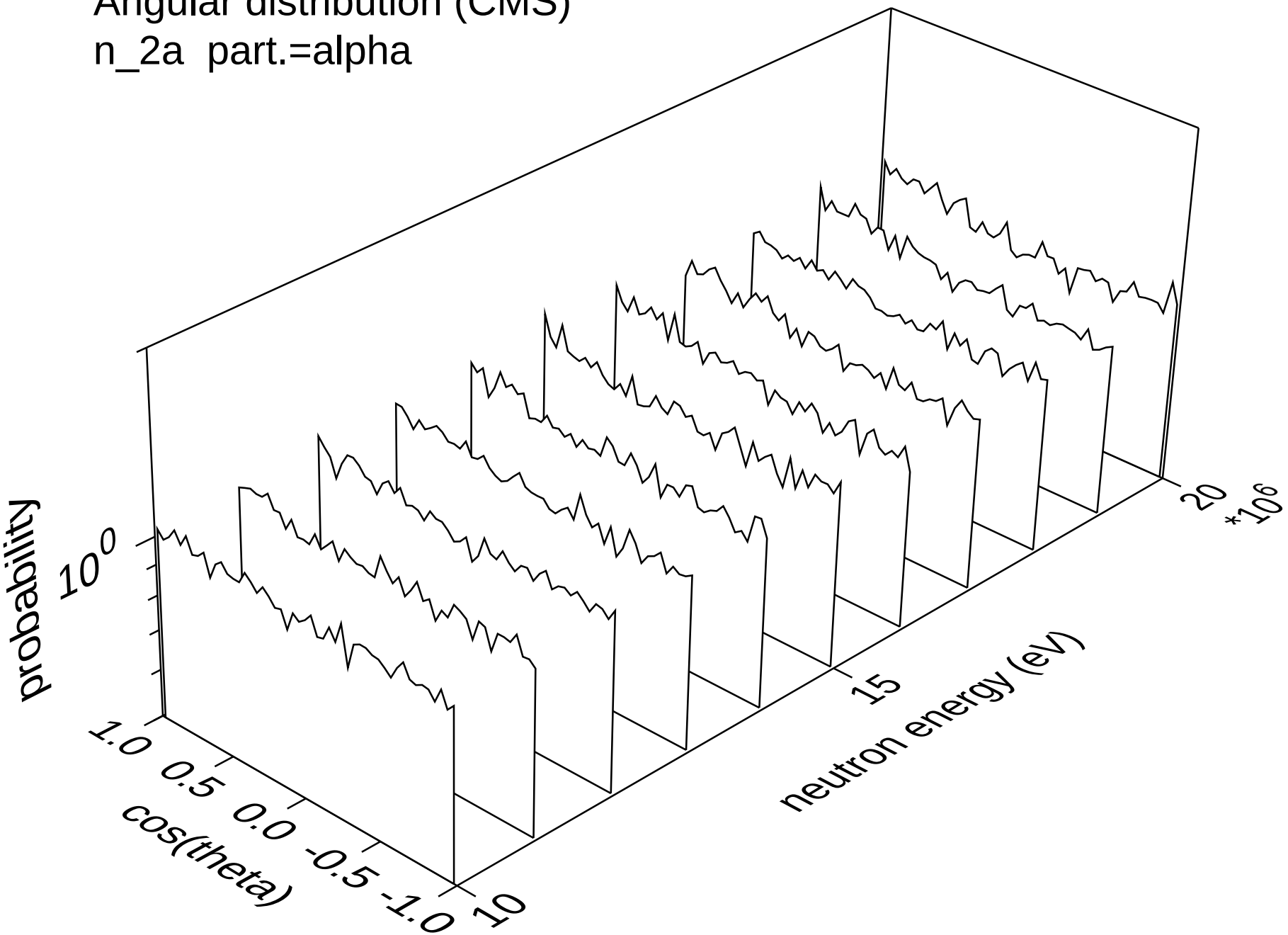

Angular distribution (CMS)
n_nd part.=neutron
probability
10^0
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
12
14
16
18
20
*10^6
neutron energy (eV)

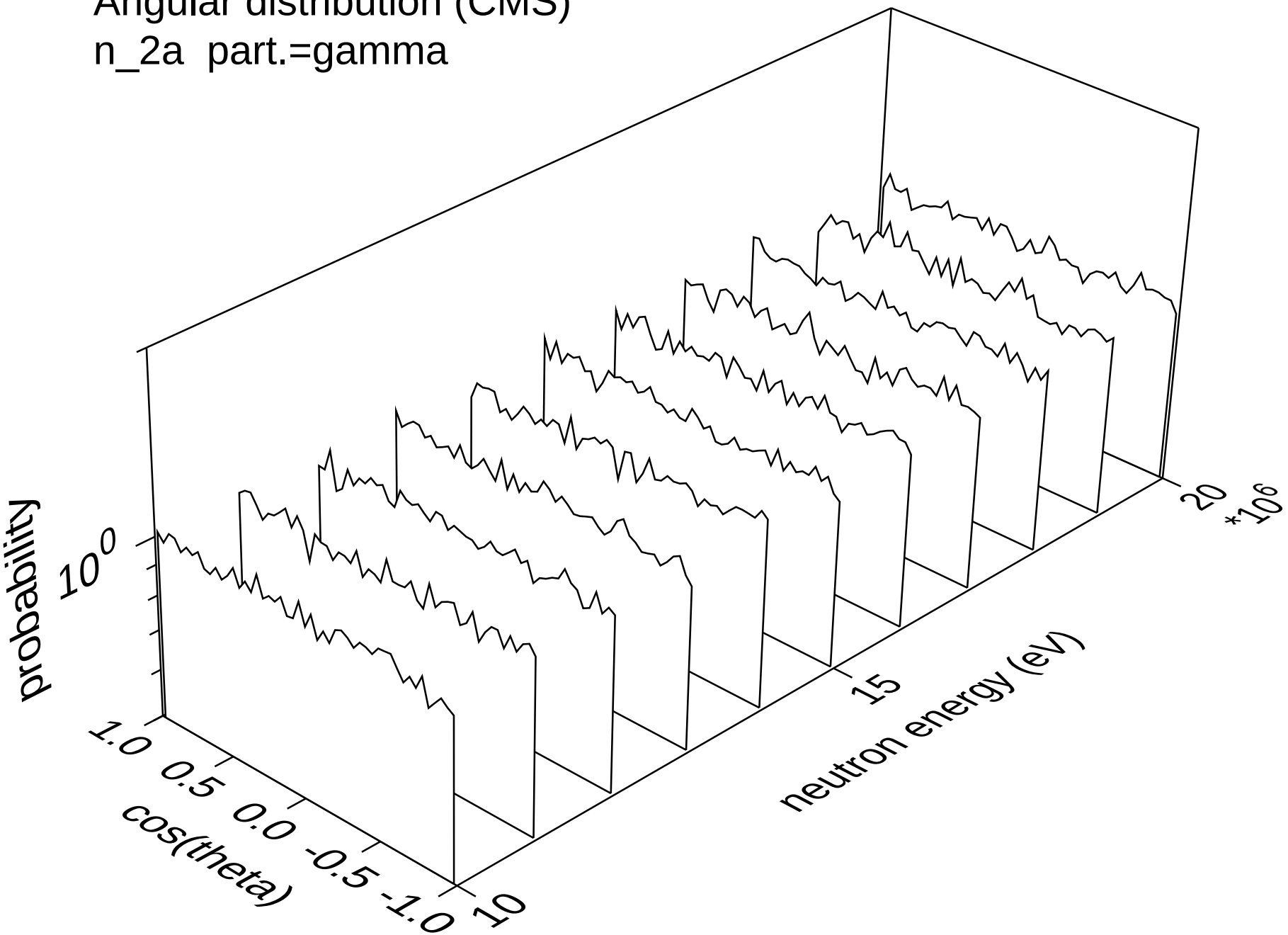

Angular distribution (CMS)
n_nd part.=deuteron
probability
10^0
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
12
14
16
18
20
*10^6
neutron energy (eV)

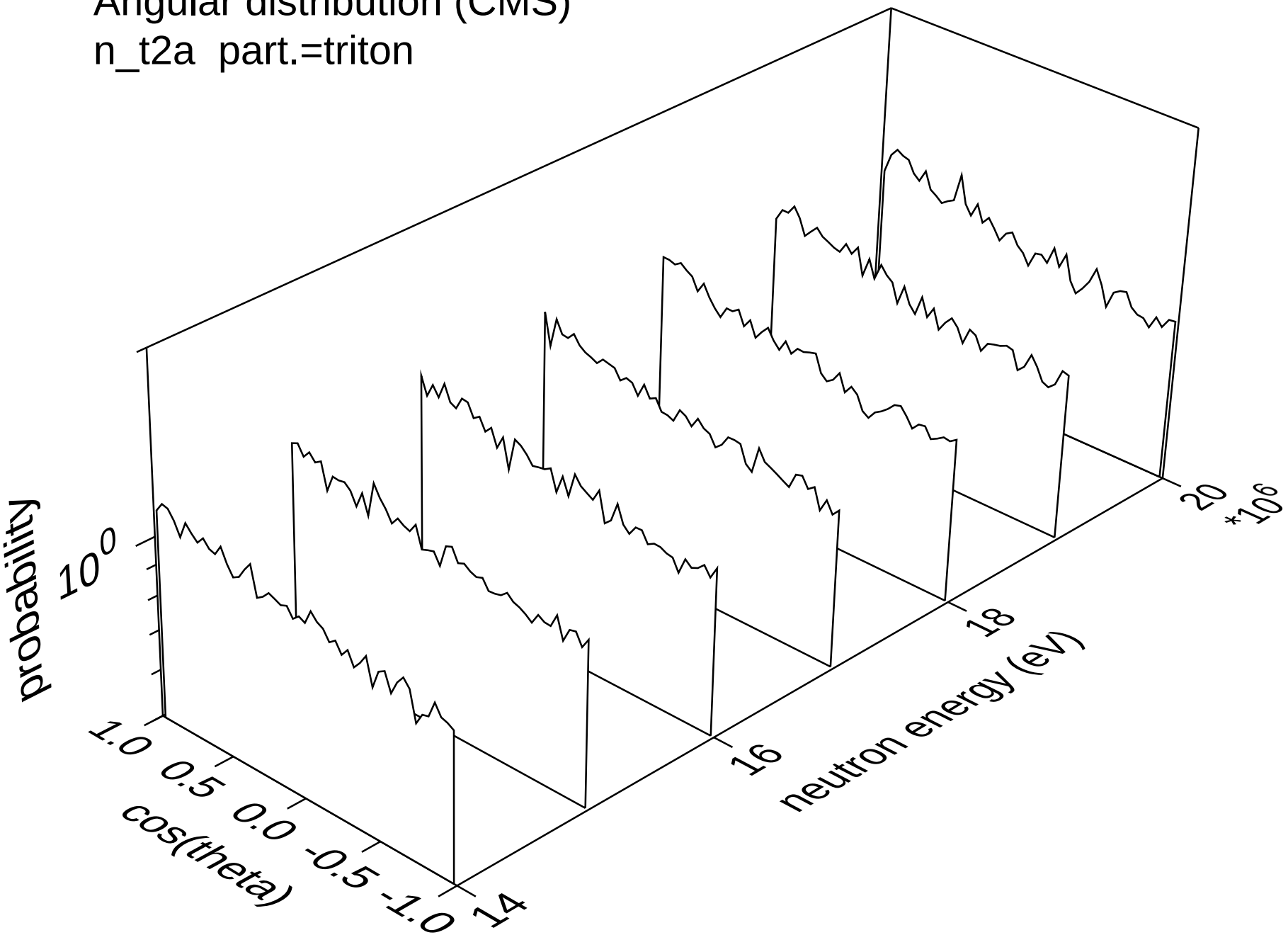

Angular distribution (CMS)
n_nd part.=gamma
probability
10^0
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
12
14
16
18
20
*10^6
neutron energy (eV)

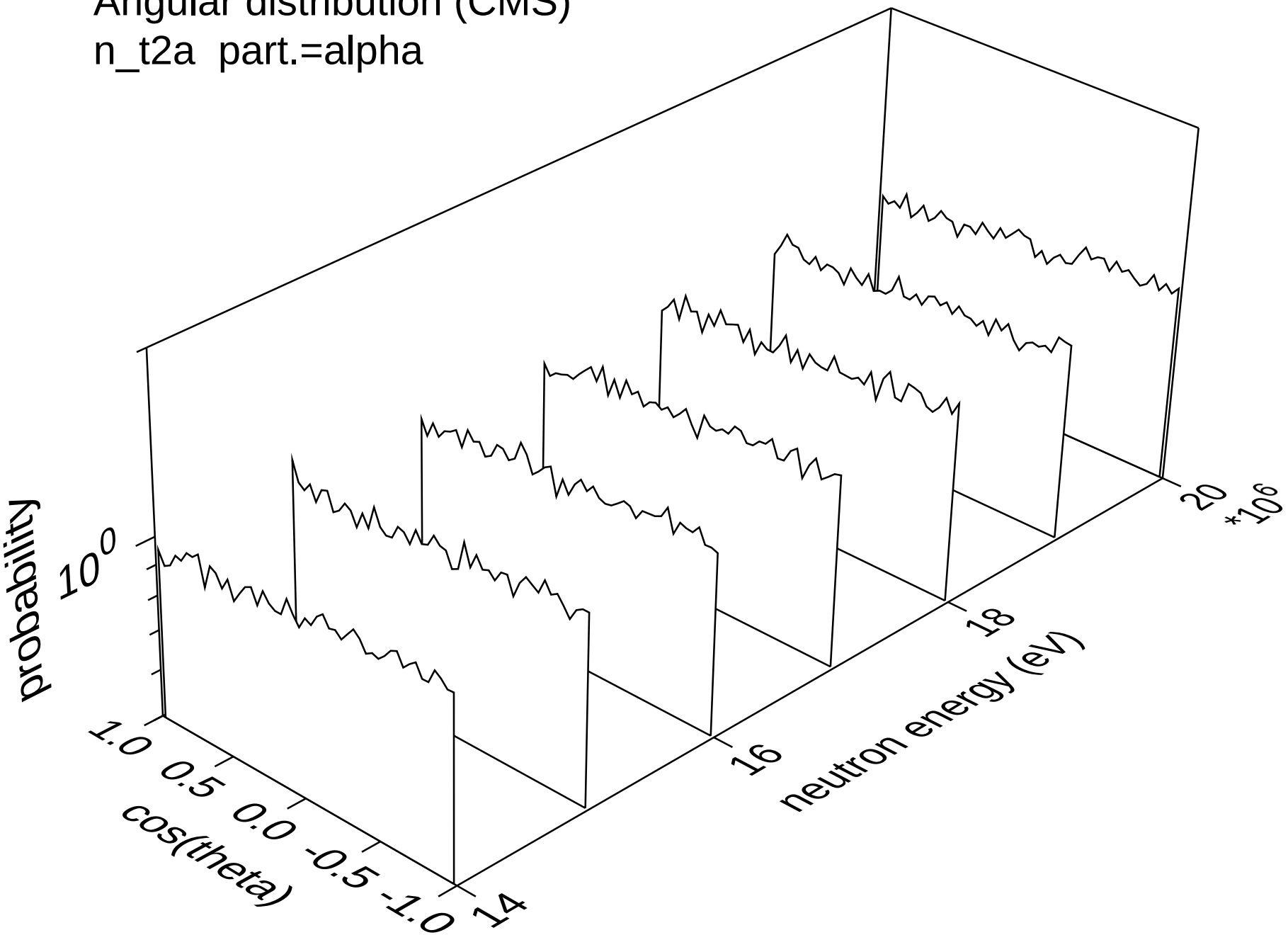

Angular distribution (CMS)
n_2np part.=neutron
probability
10^0
1.0 0.5 0.0 -0.5 -1.0
cos(theta)
16
18
20
*10^6
neutron energy (eV)

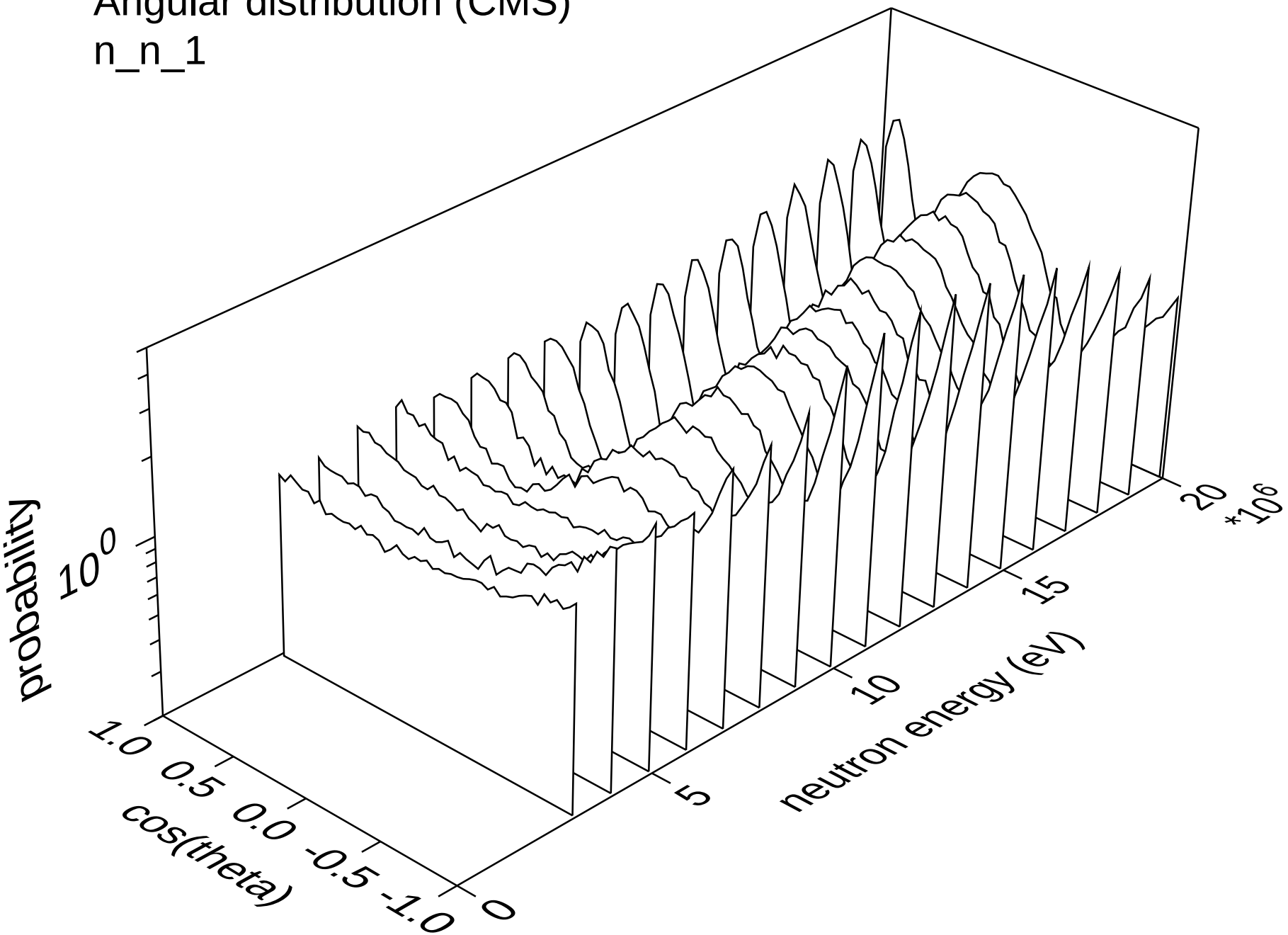

Angular distribution (CMS)
n_2np part.=proton
probability
10^0
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
16
18
20
*10^6
neutron energy (eV)

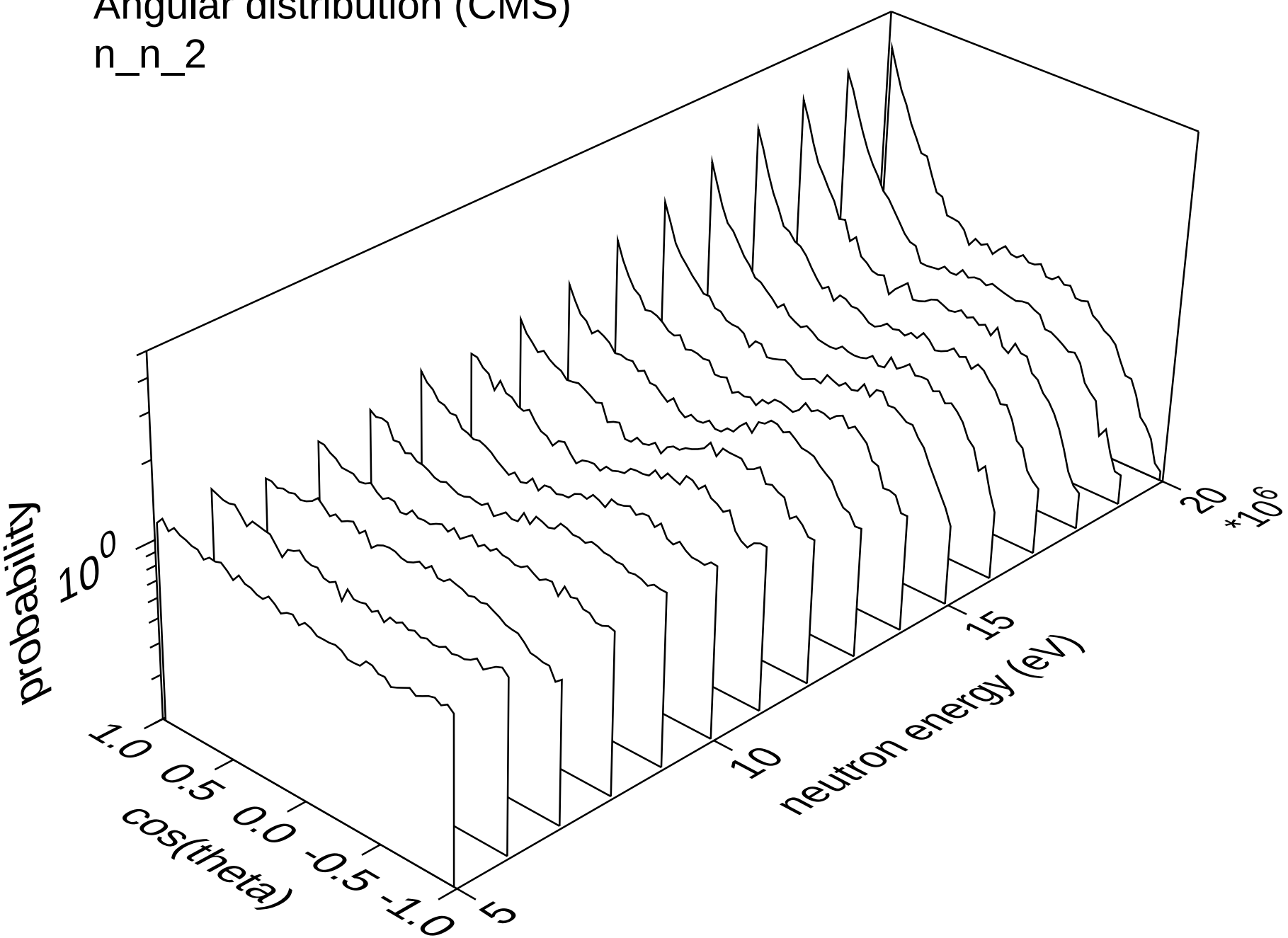

Angular distribution (CMS)
n_2a part.=alpha
probability
10^0
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
10
15
20
*10^6
neutron energy (eV)

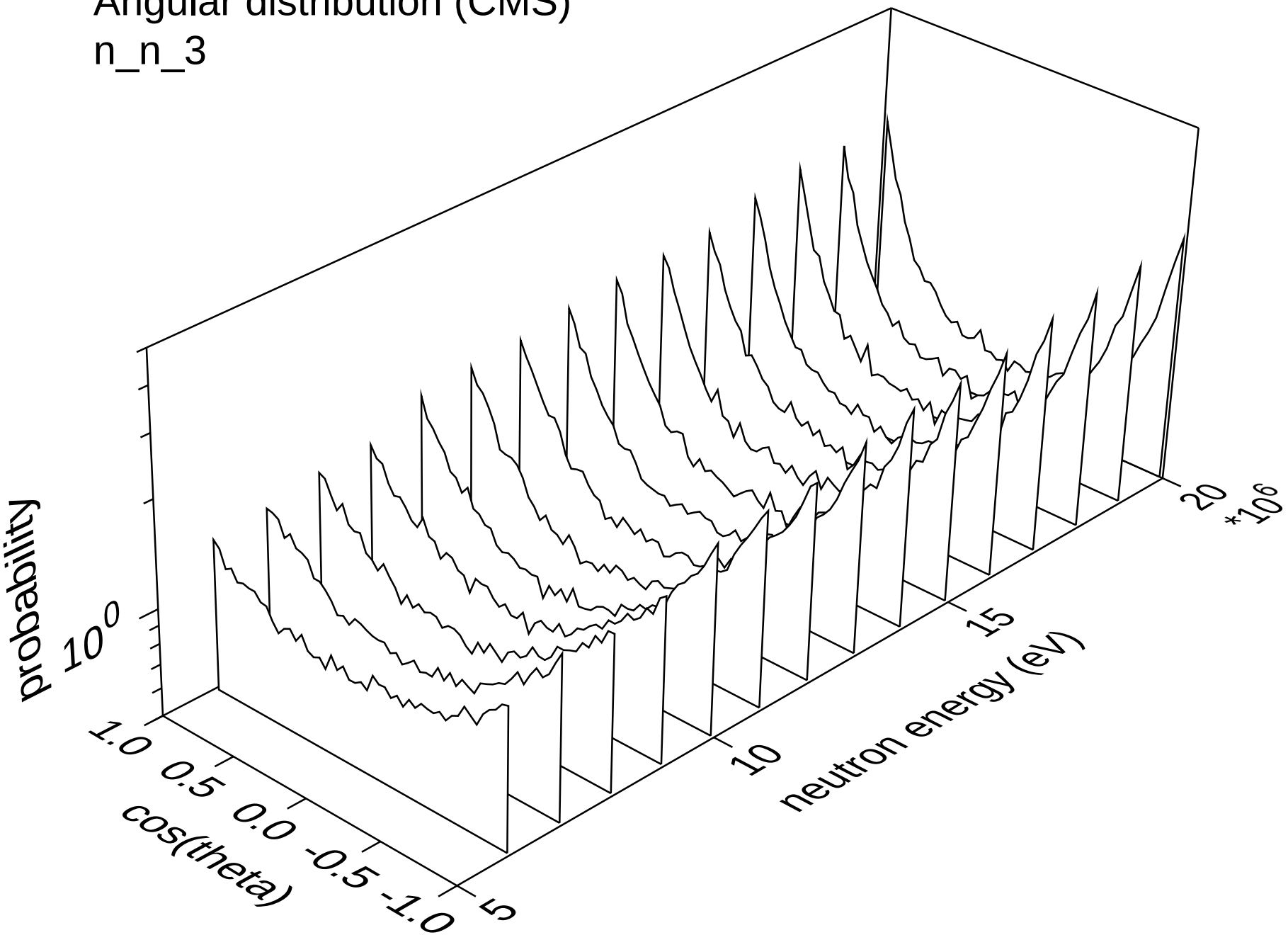

Angular distribution (CMS)
n_2a part.=gamma
probability
10^0
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
10
15
20
*10^6
neutron energy (eV)

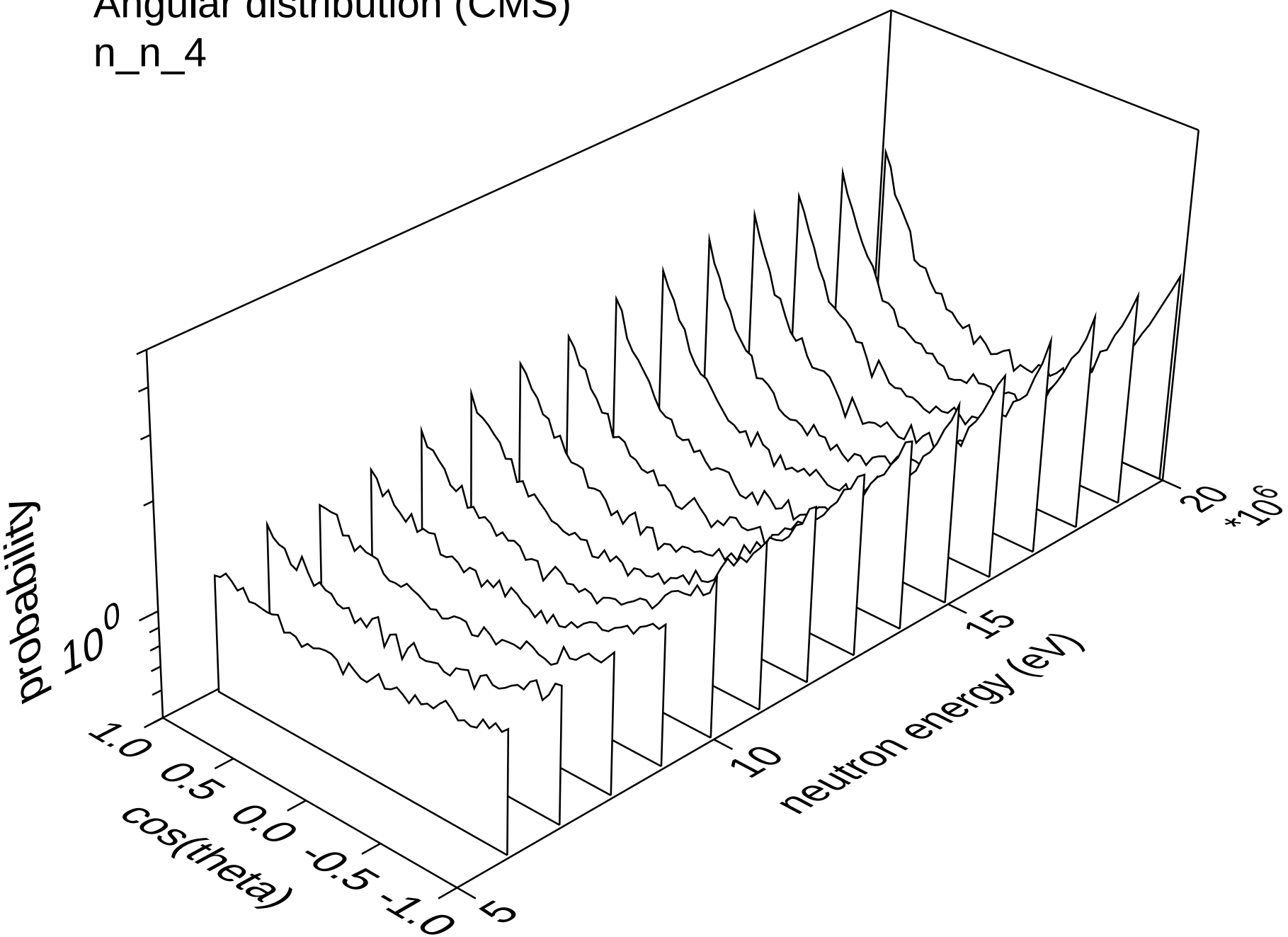

Angular distribution (CMS)
n_t2a part.=triton
probability
10^0
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
14
16
18
20
*10^6
neutron energy (eV)

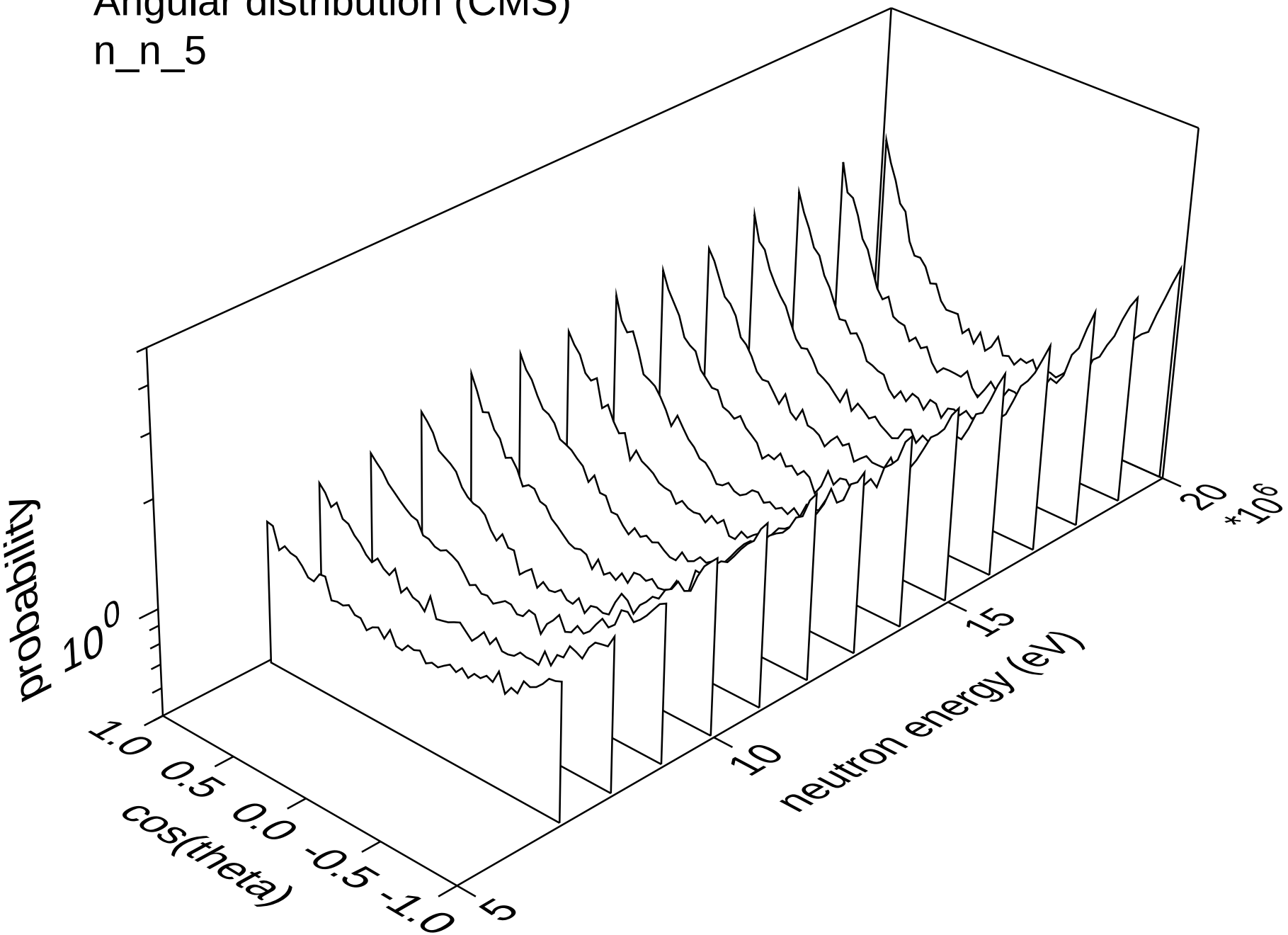

Angular distribution (CMS)
n_t2a part.=alpha
probability
10^0
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
14
16
18
20
*10^6
neutron energy (eV)

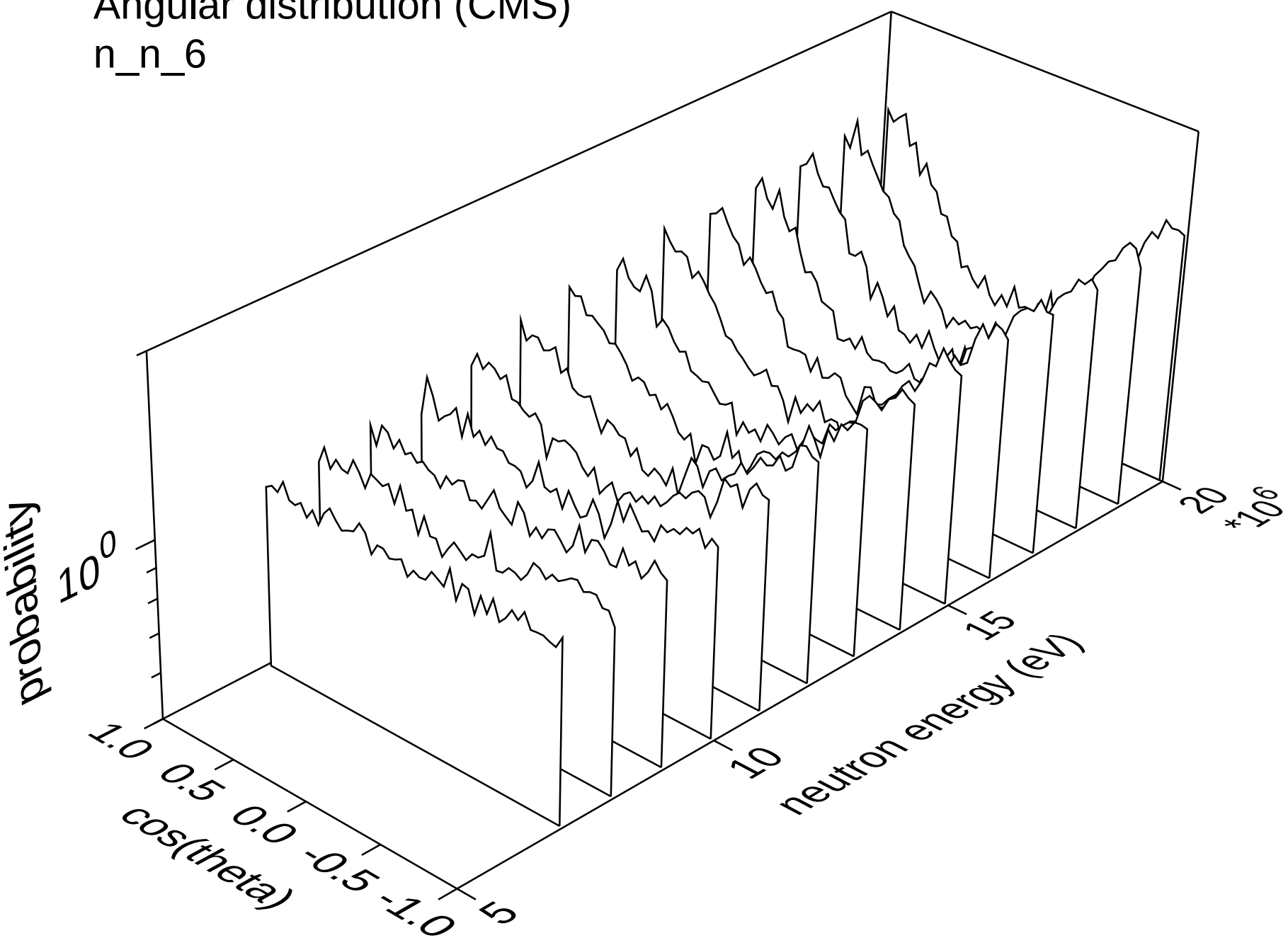

Angular distribution (CMS)
n_n_1
probability
10^0
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
0
5
10
15
20
*10^6
neutron energy (eV)

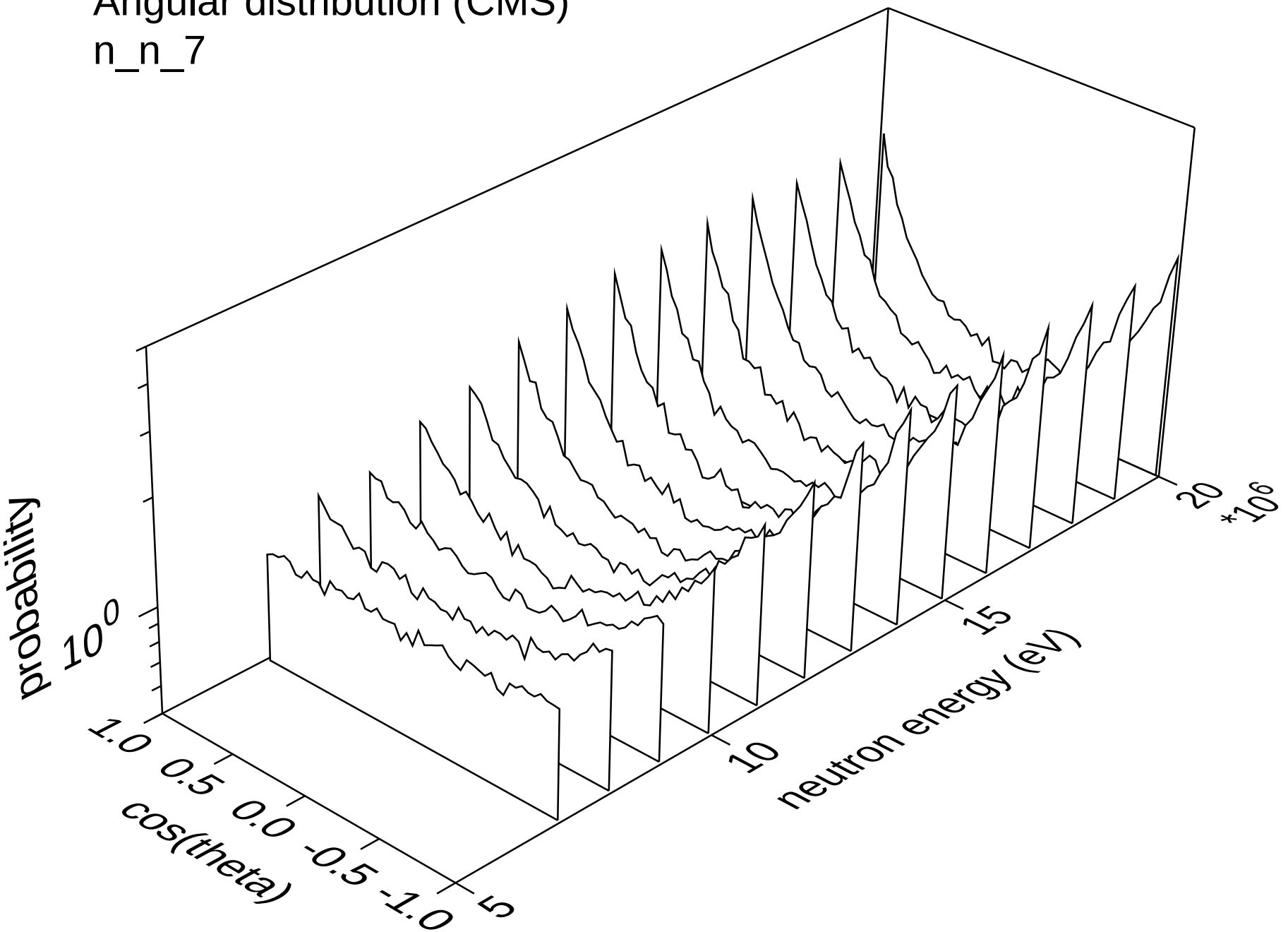

Angular distribution (CMS)
n_n_2
probability
10^0
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
5
10
15
20
*10^6
neutron energy (eV)

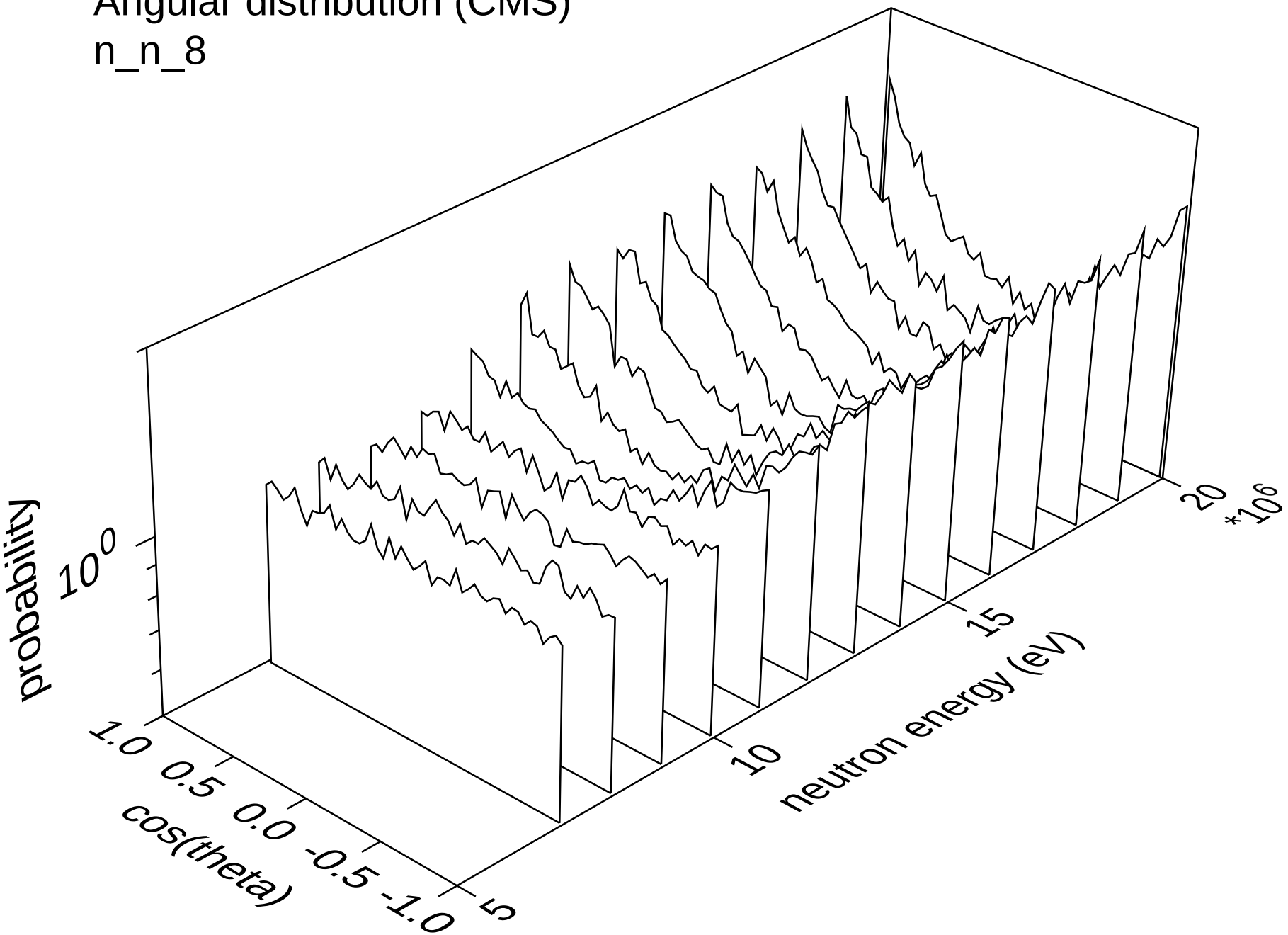

Angular distribution (CMS)
n_n_3
probability
10^0
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
5
10
15
20
*10^6
neutron energy (eV)

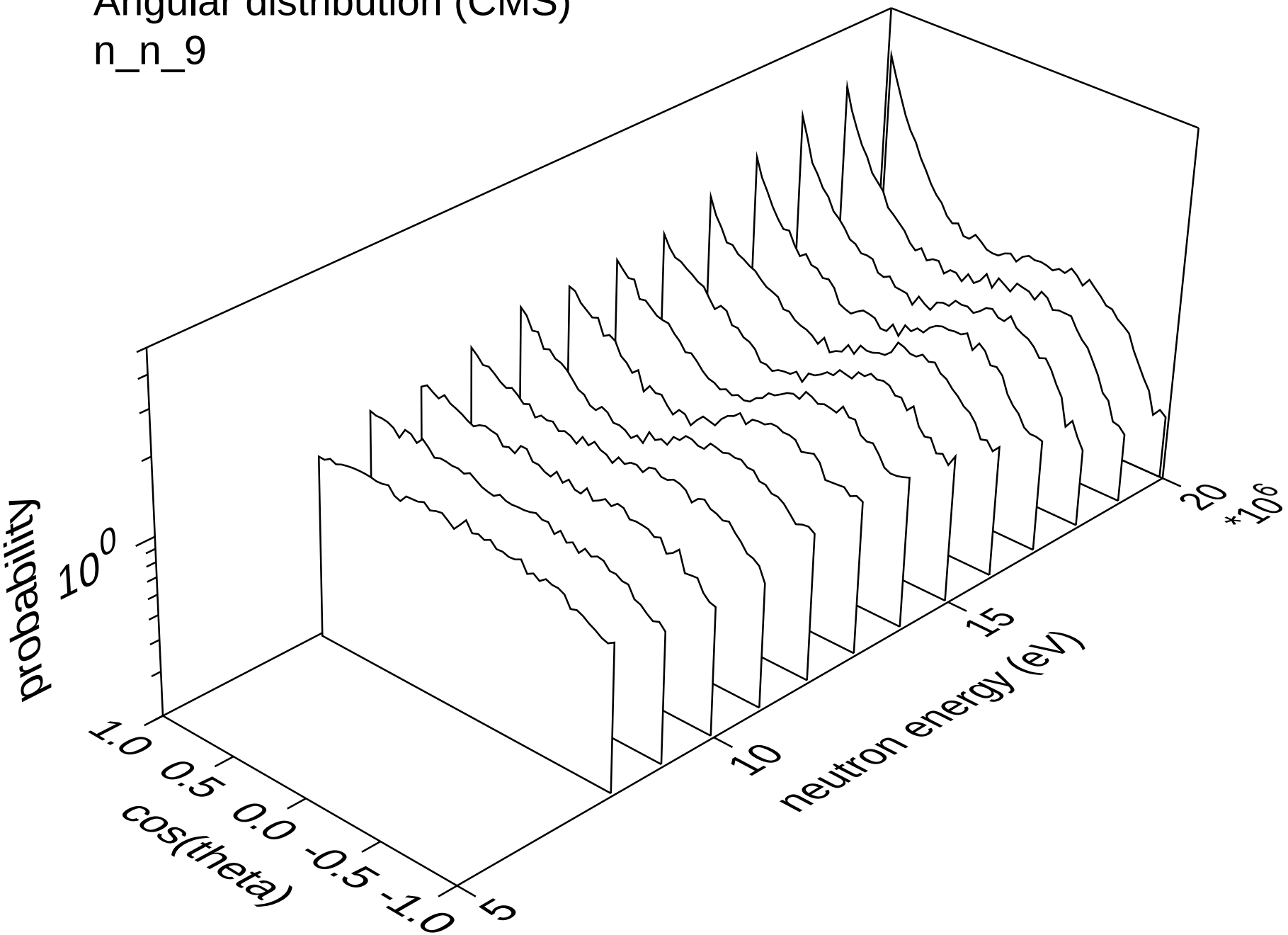

Angular distribution (CMS)
n_n_4
probability
10^0
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
5
10
15
20
*10^6
neutron energy (eV)

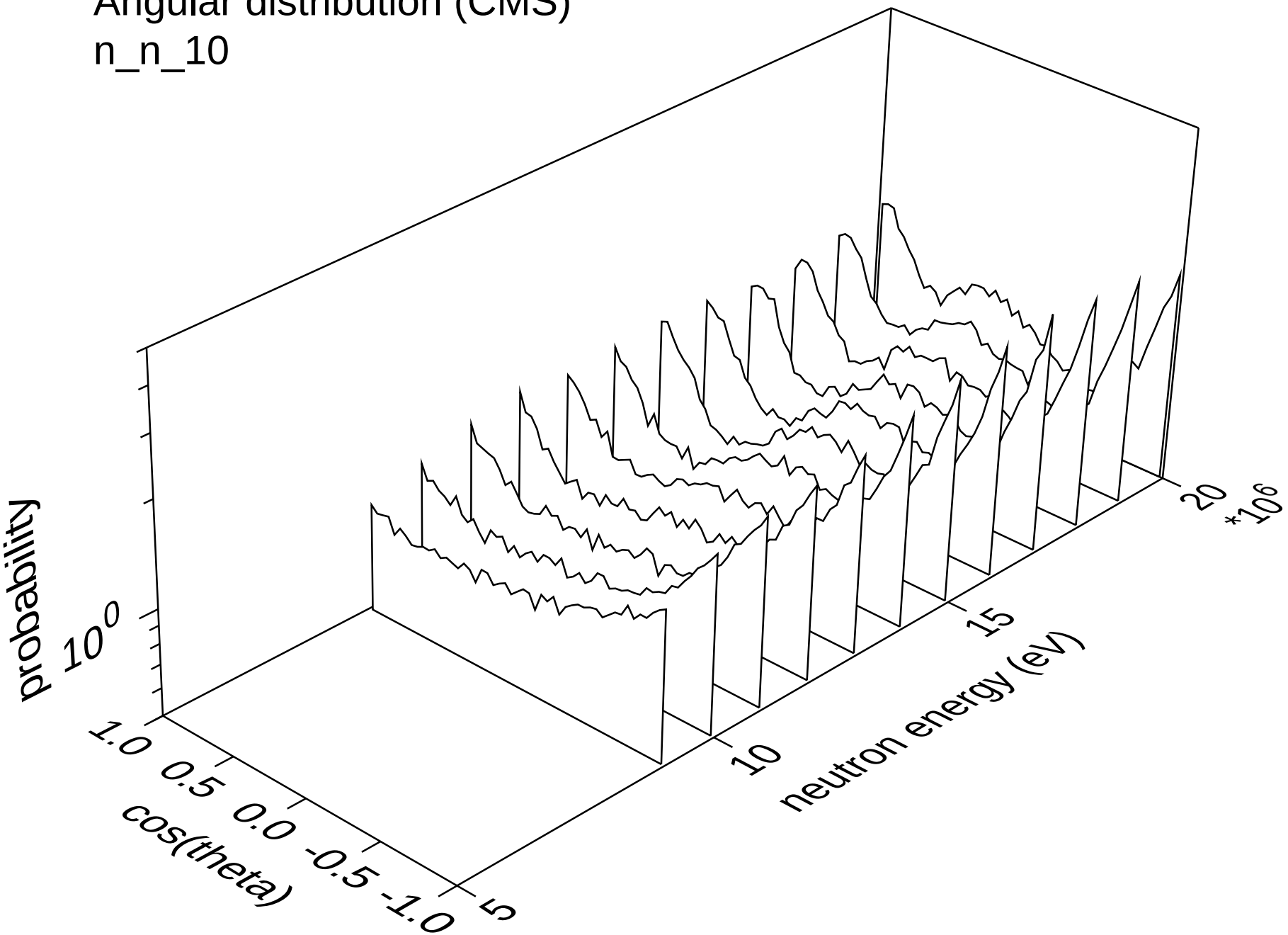

Angular distribution (CMS)
n_n_5
probability
10^0
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
5
10
15
20
*10^6
neutron energy (eV)

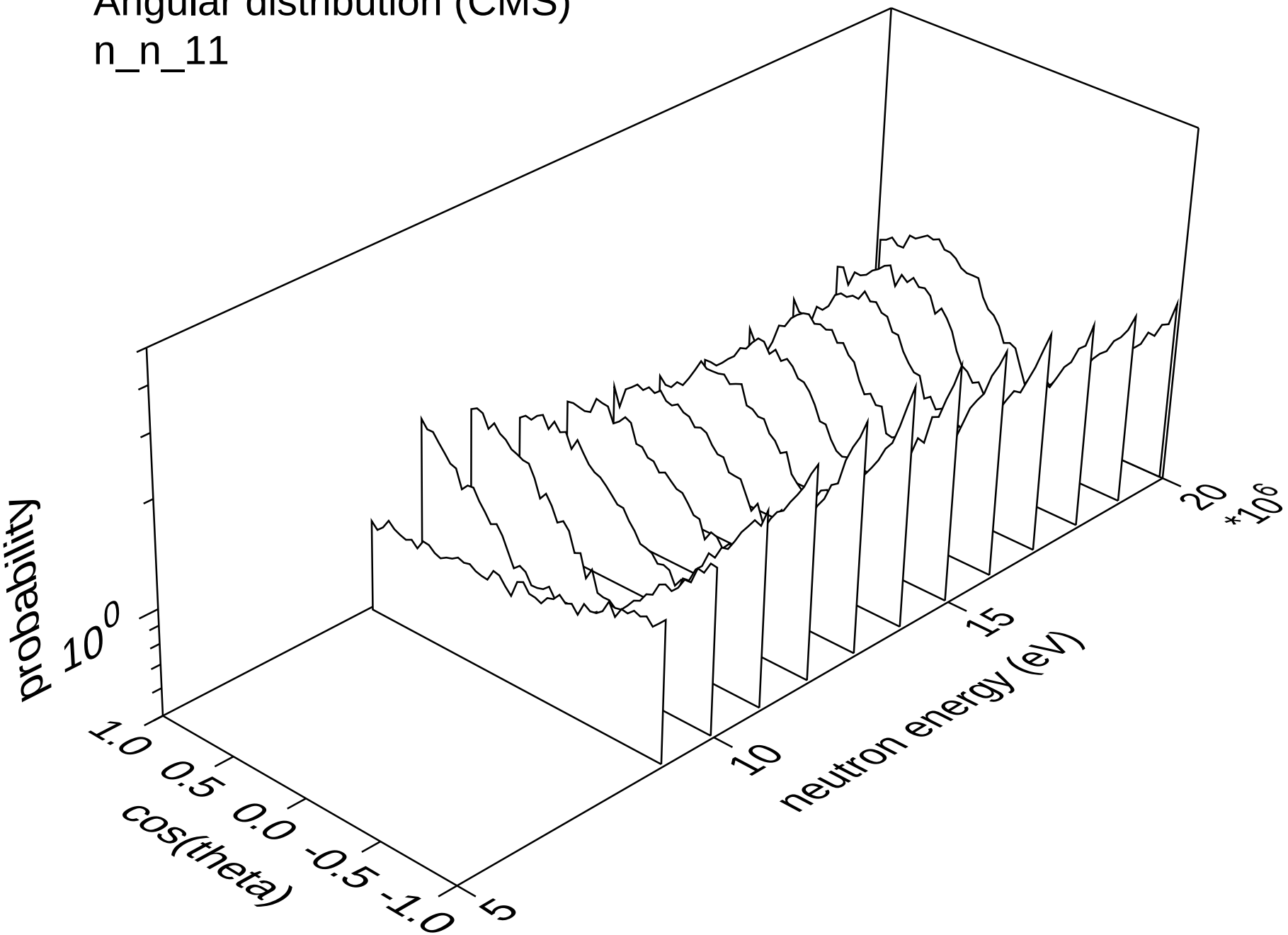

Angular distribution (CMS)
n_n_6
probability
10^0
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
5
10
15
20
*10^6
neutron energy (eV)

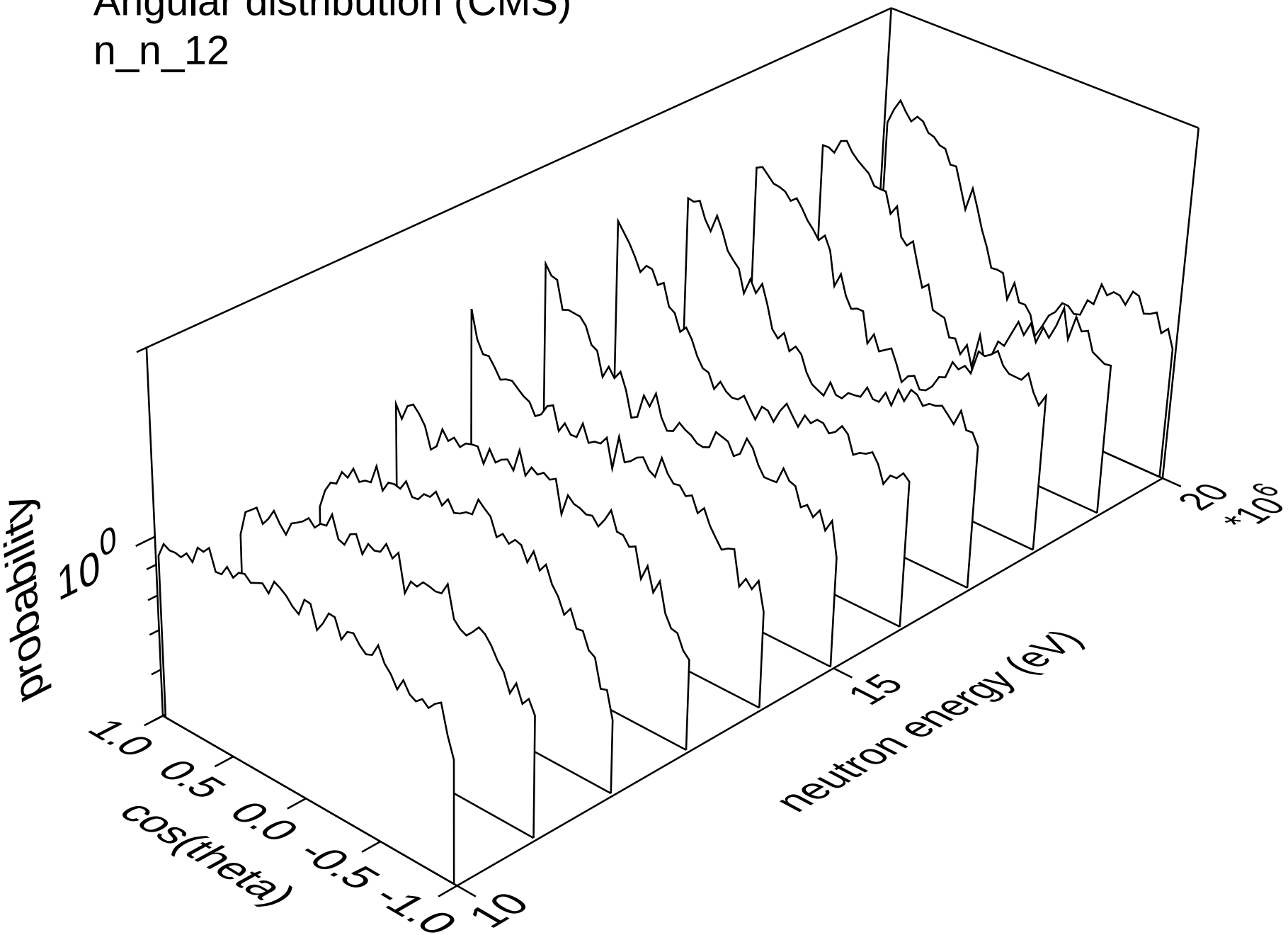

Angular distribution (CMS)
n_n_7
probability
10^0
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
5
10
15
20
*10^6
neutron energy (eV)

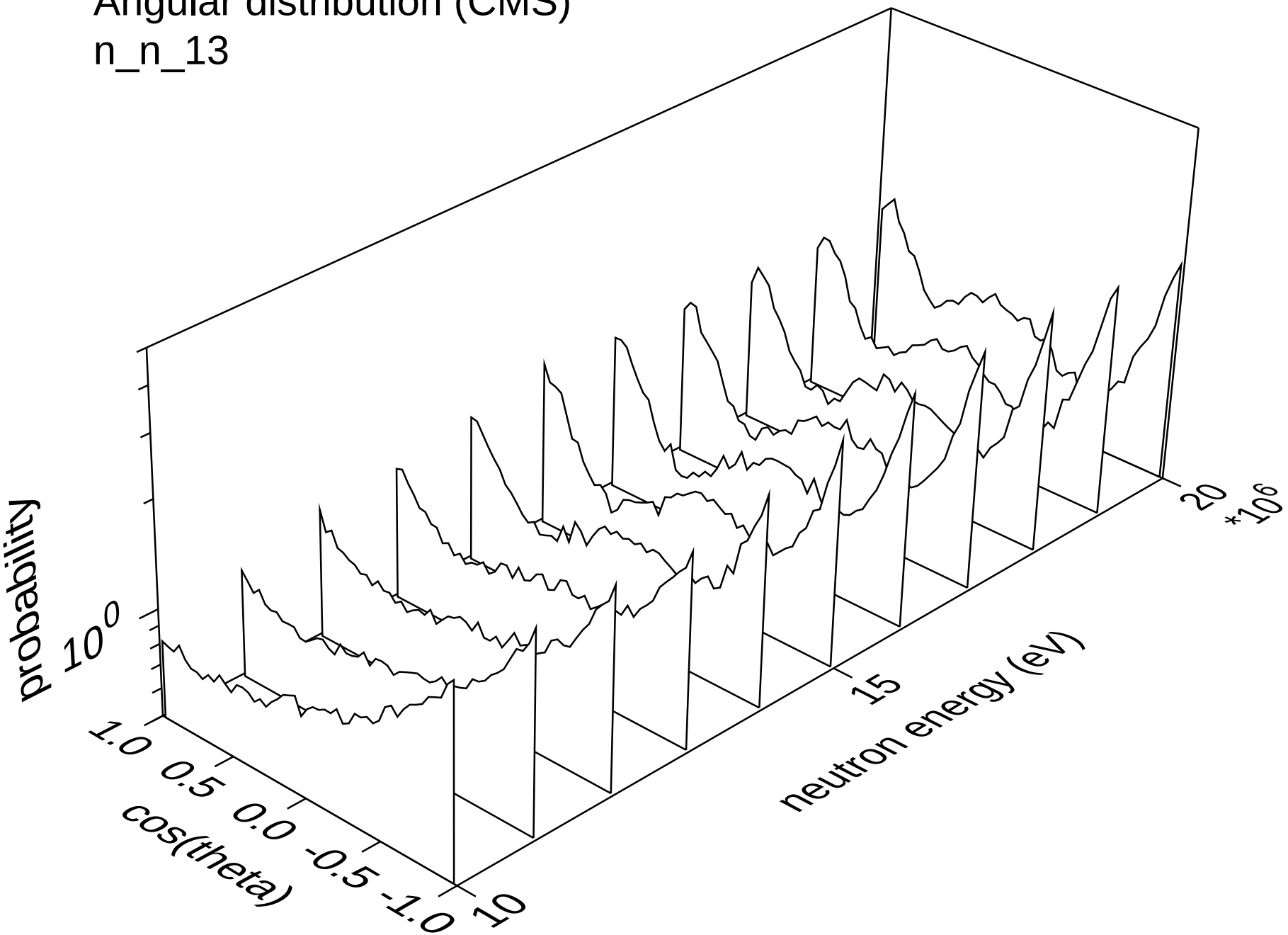

Angular distribution (CMS)
n_n_8
probability
10^0
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
5
10
15
20
*10^6
neutron energy (eV)

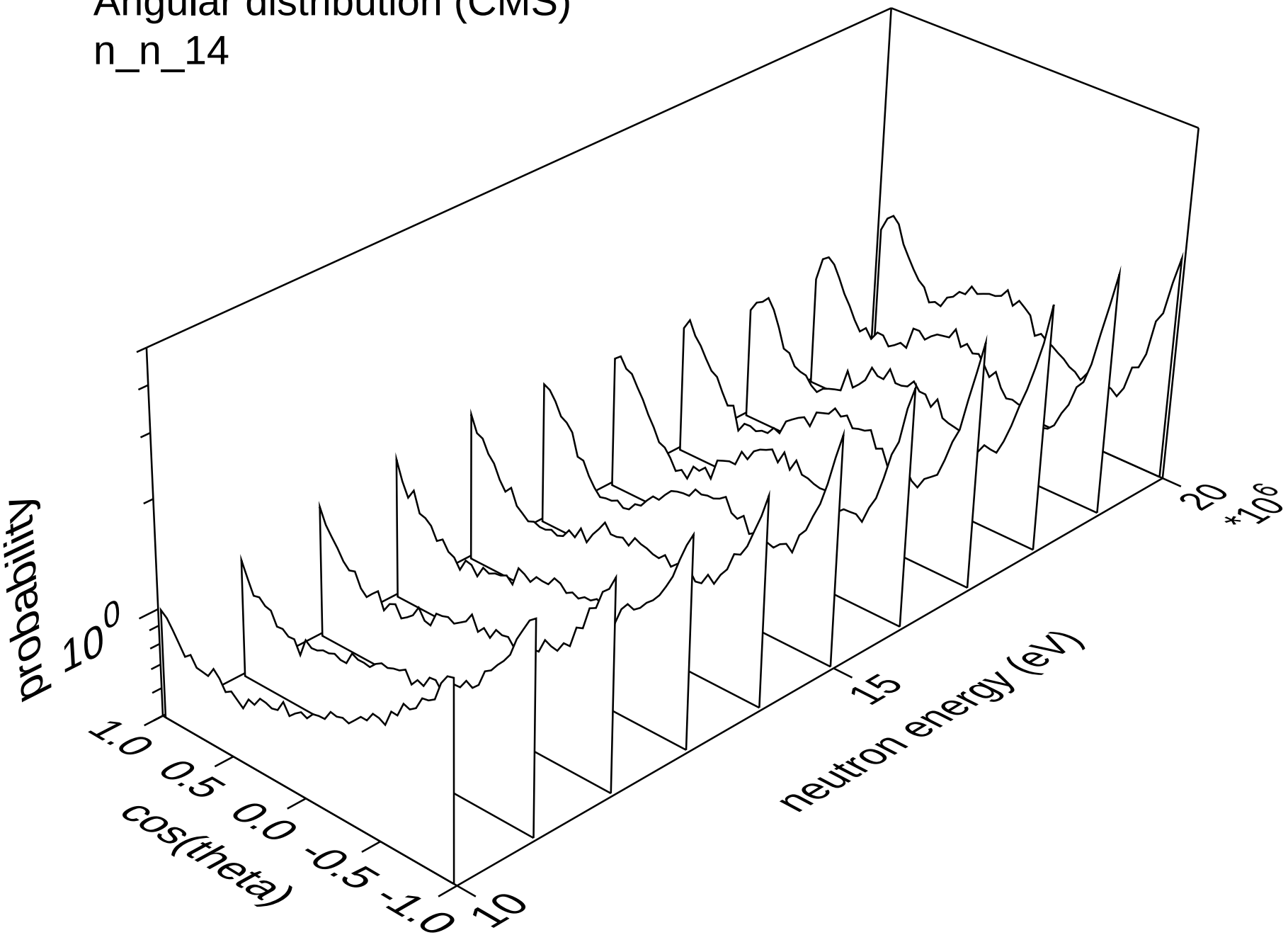

Angular distribution (CMS)
n_n_9
probability
10^0
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
5
10
15
20
*10^6
neutron energy (eV)

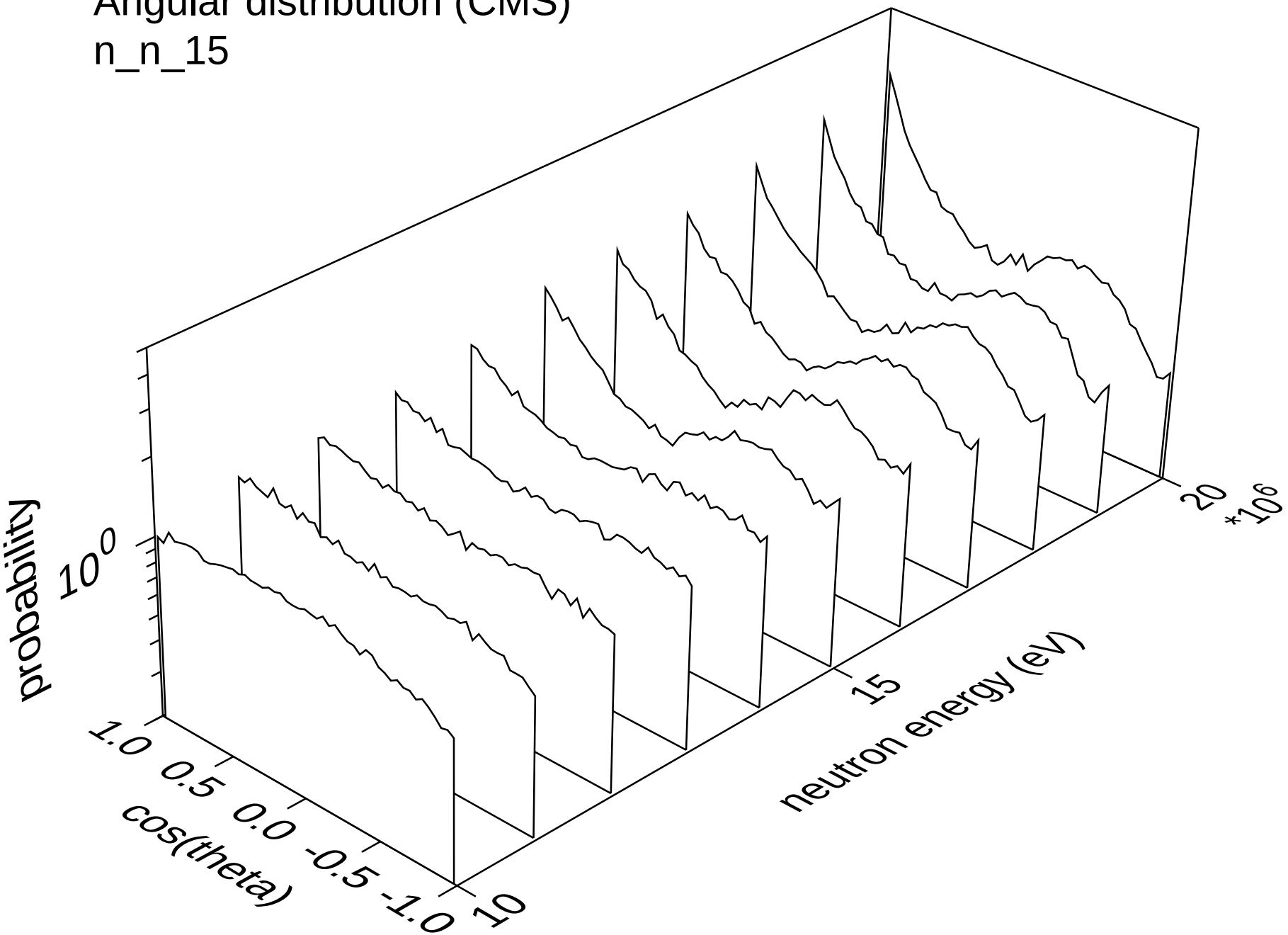

Angular distribution (CMS)
n_n_10
probability
10^0
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
5
10
15
20
*10^6
neutron energy (eV)

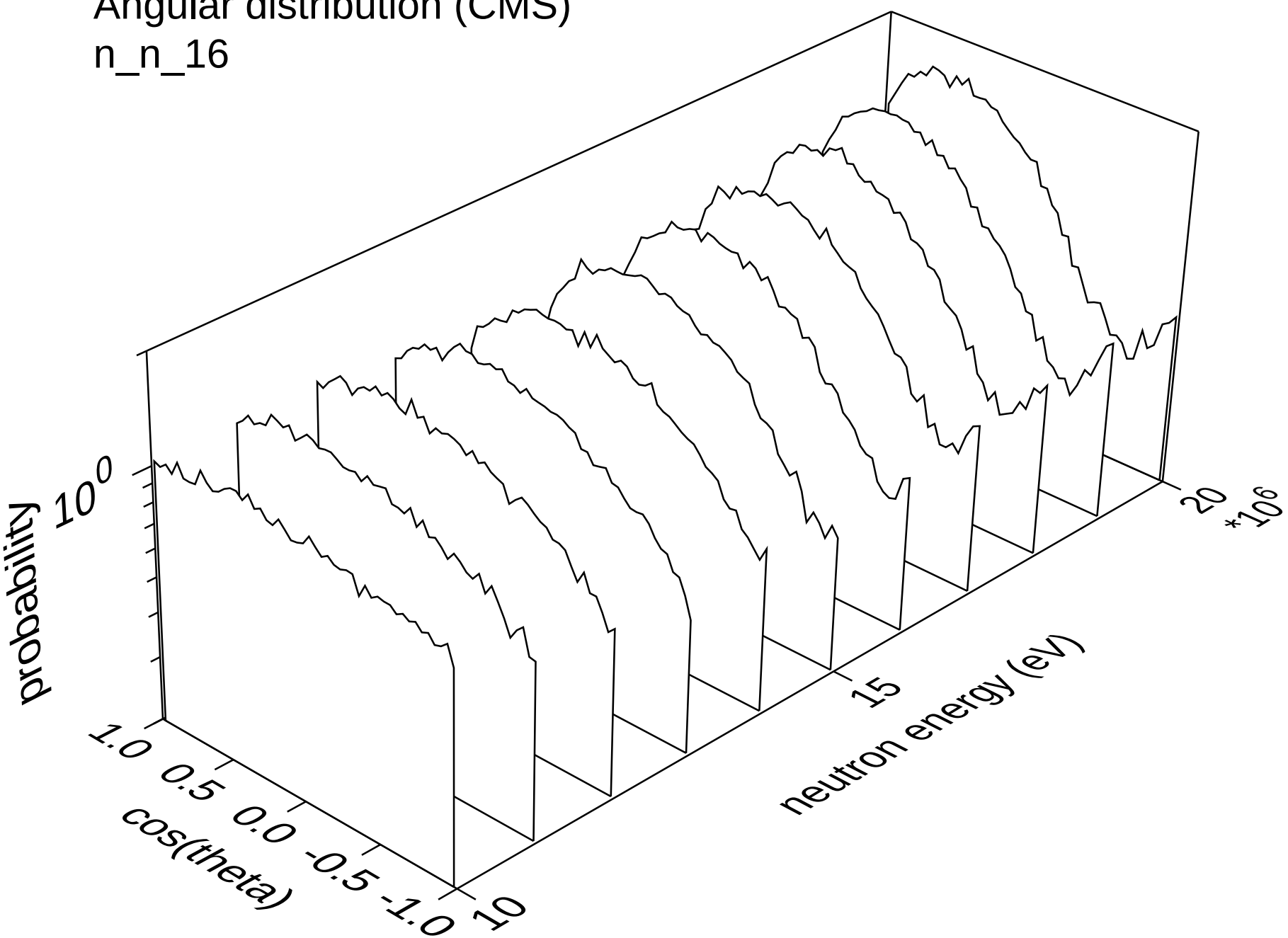

Angular distribution (CMS)
n_n_11
probability
10^0
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
5
10
15
20
*10^6
neutron energy (eV)

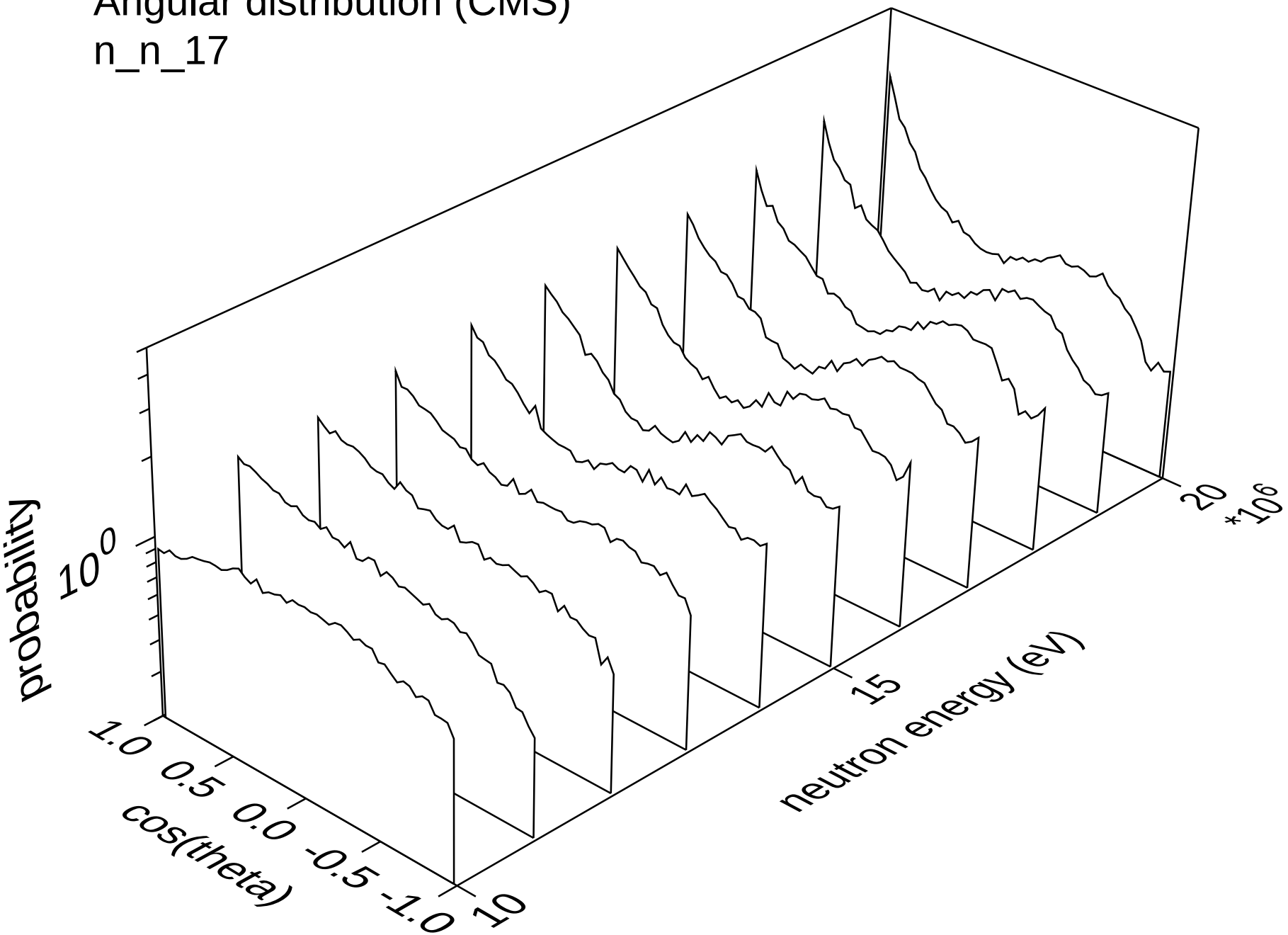

Angular distribution (CMS)
n_n_12
probability
10^0
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
10
15
20
*10^6
neutron energy (eV)

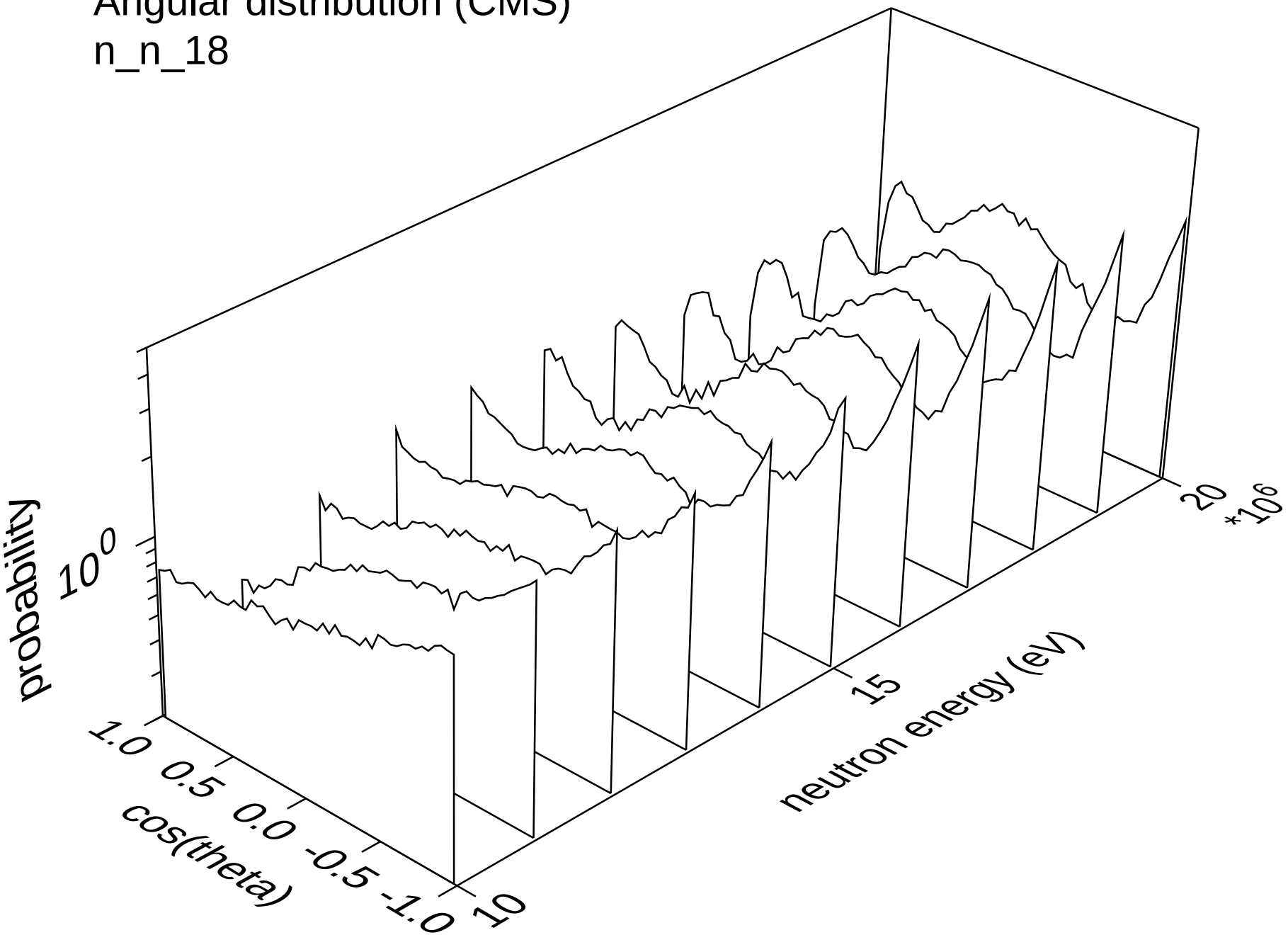

Angular distribution (CMS)
n_n_13
probability
10^0
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
10
15
20
*10^6
neutron energy (eV)

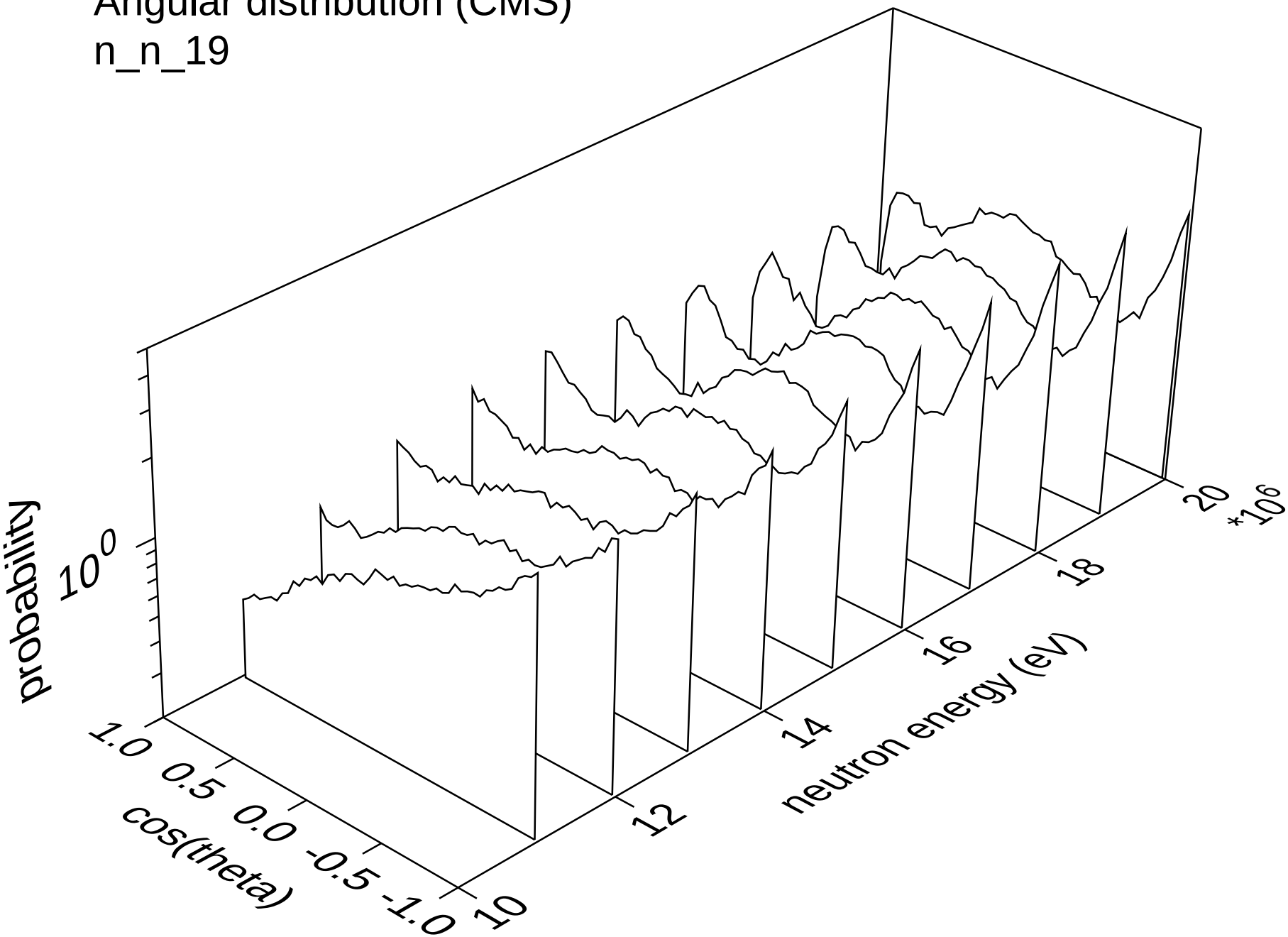

Angular distribution (CMS)
n_n_14
probability
10^0
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
10
15
20
*10^6
neutron energy (eV)

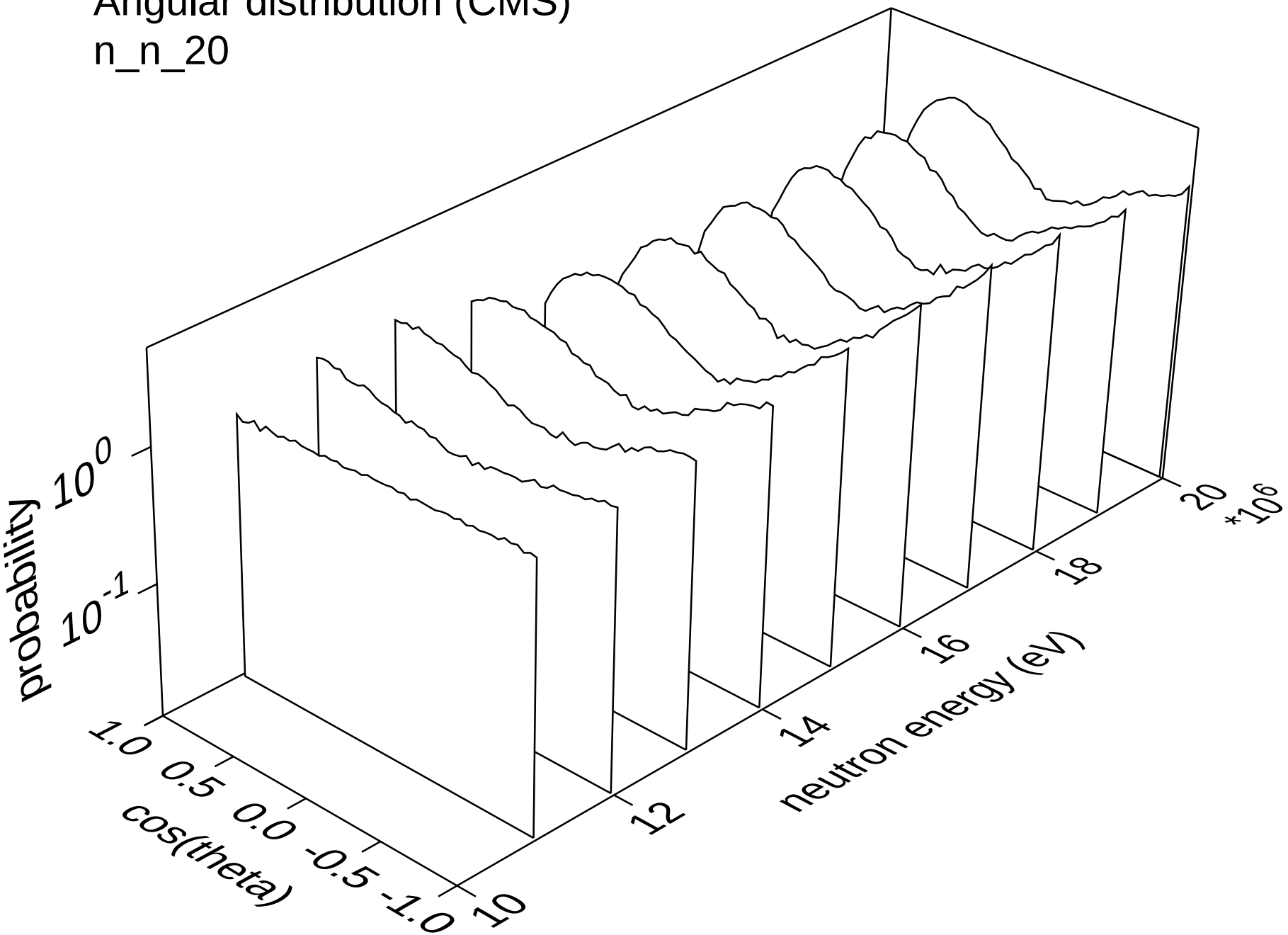

Angular distribution (CMS)
n_n_15
probability
10^0
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
10
15
20
*10^6
neutron energy (eV)

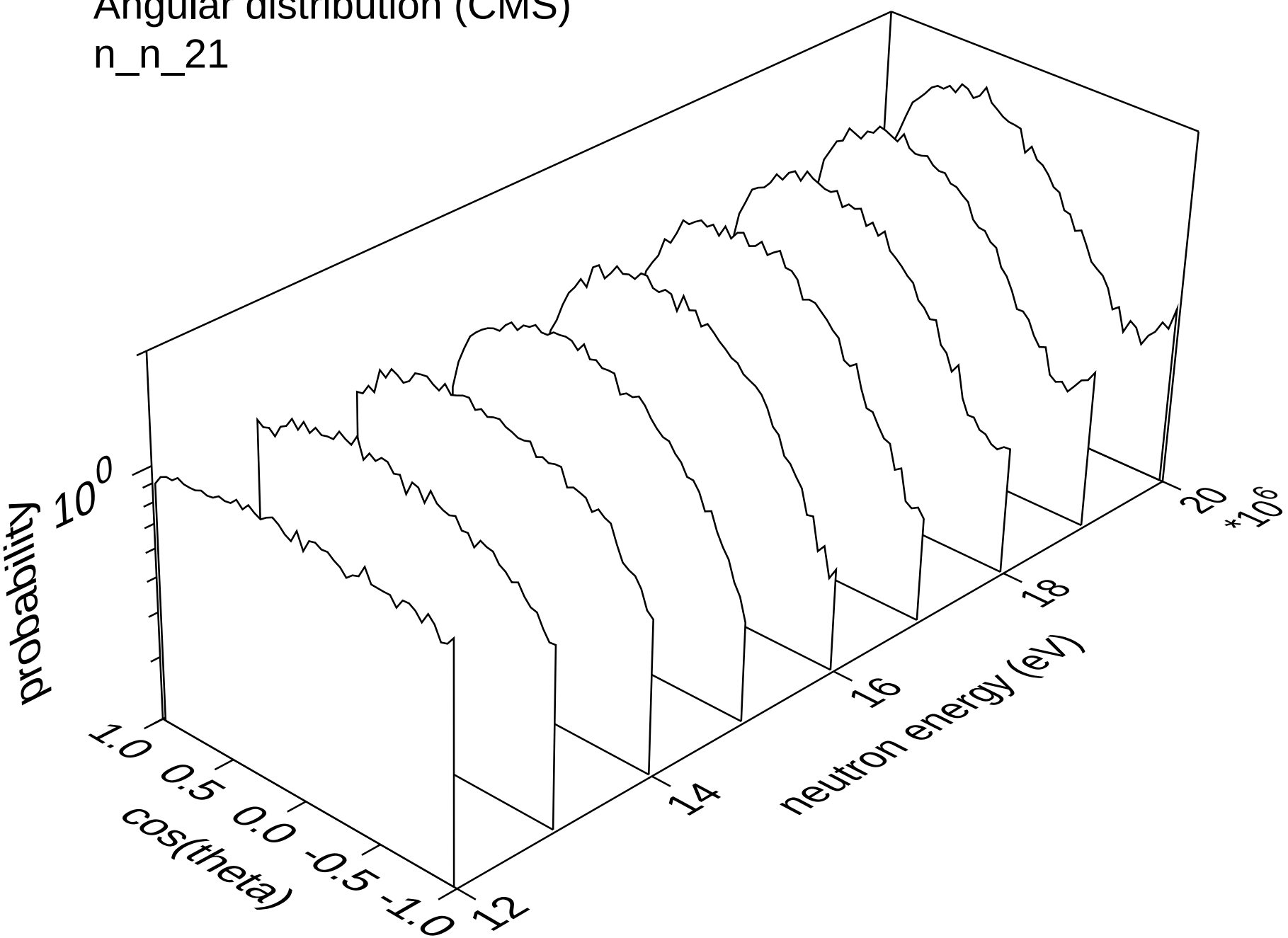

Angular distribution (CMS)
n_n_16
probability
10^0
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
10
15
20
*10^6
neutron energy (eV)

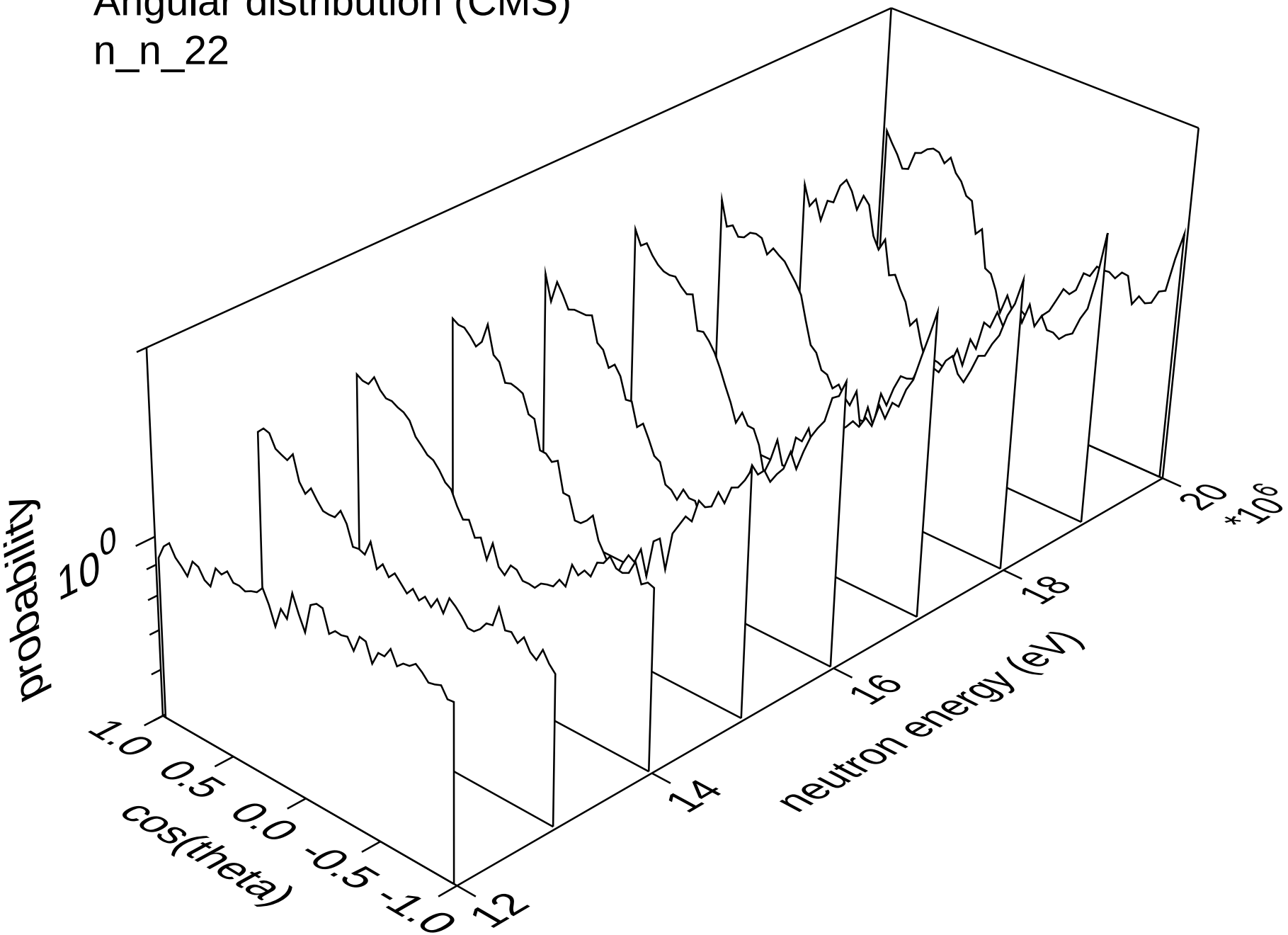

Angular distribution (CMS)
n_n_17
probability
10^0
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
10
15
20
*10^6
neutron energy (eV)

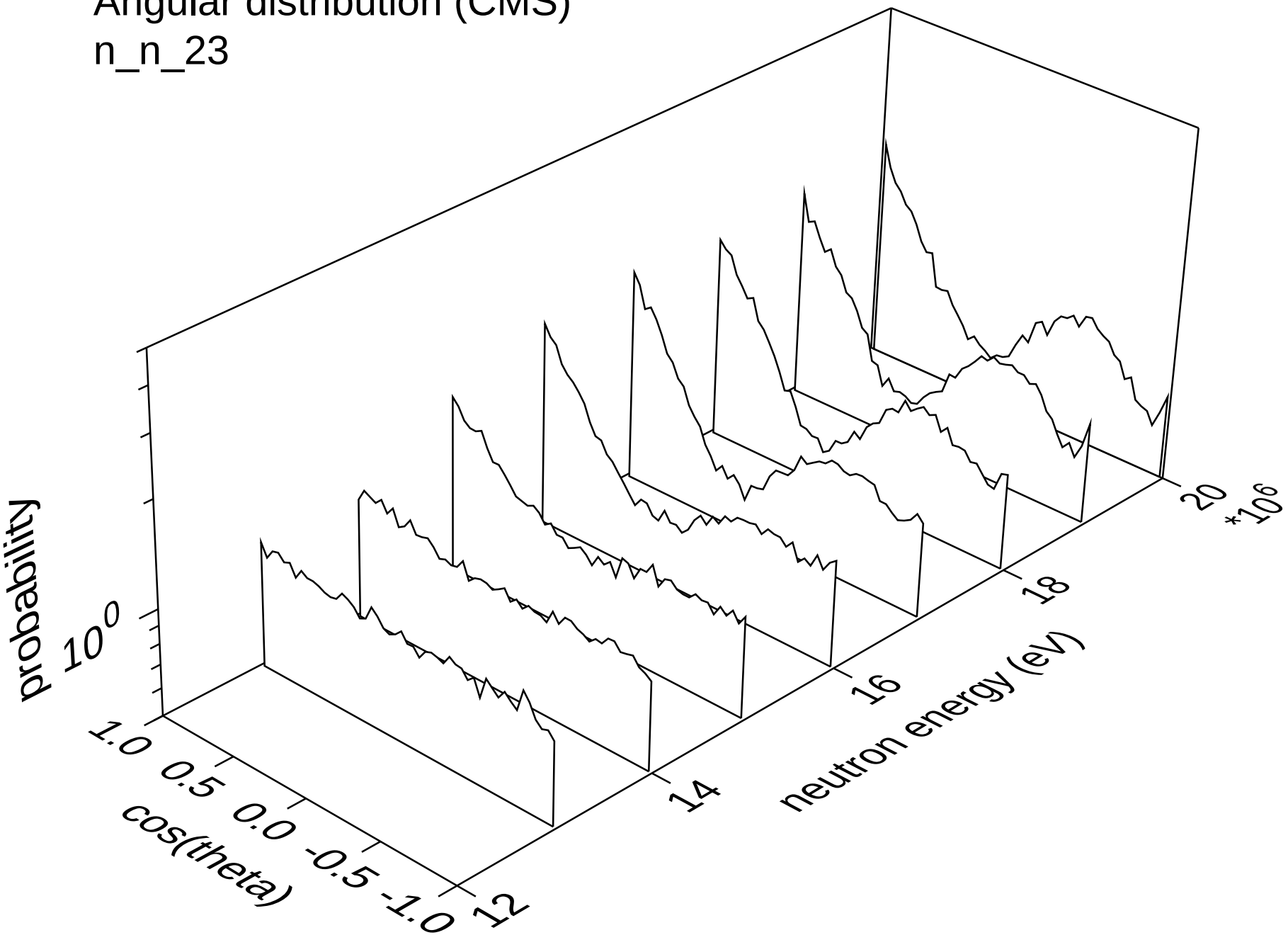

Angular distribution (CMS)
n_n_18
probability
10^0
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
10
15
20
*10^6
neutron energy (eV)

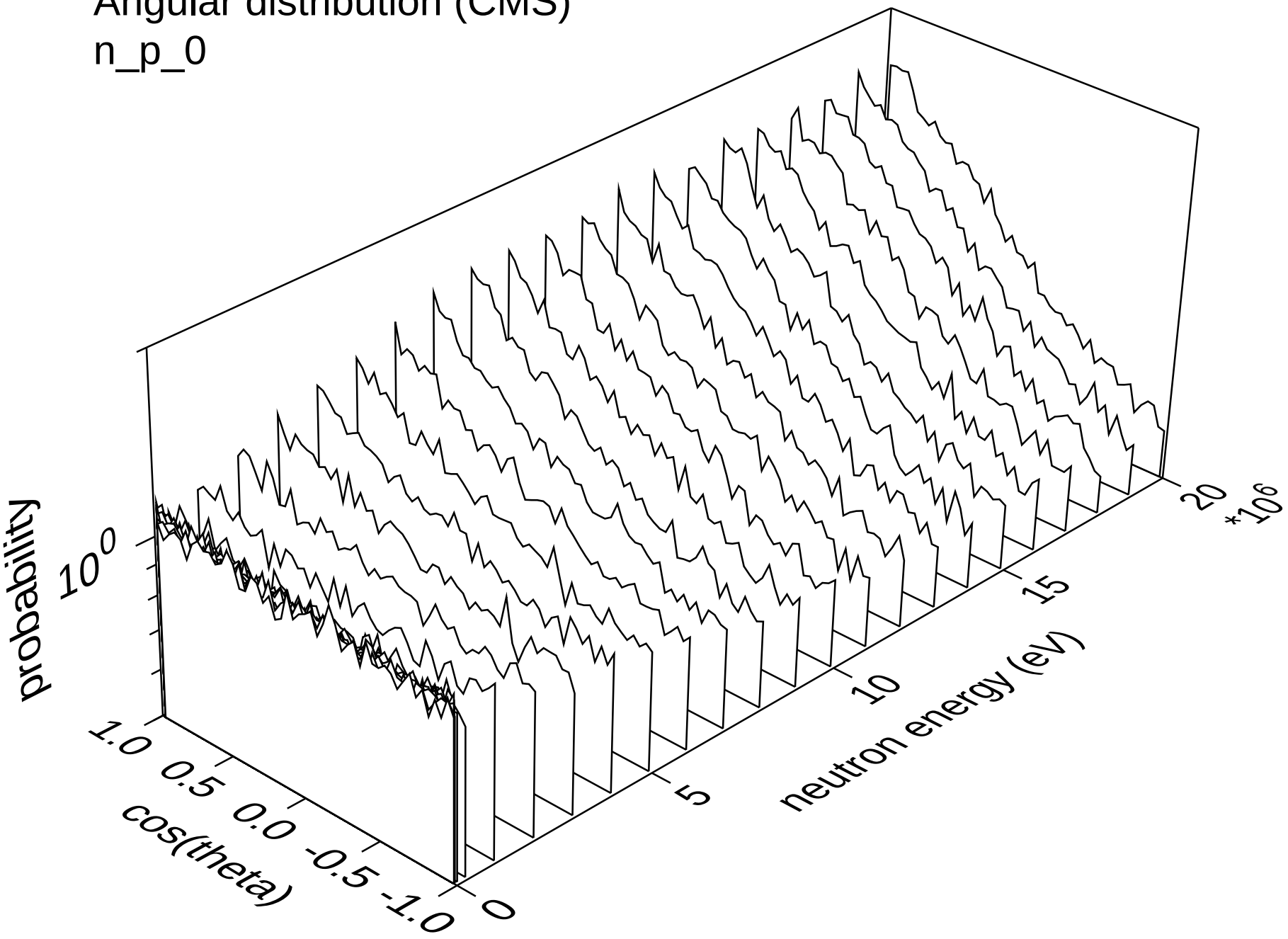

Angular distribution (CMS)
n_n_19
probability
10^0
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
10
12
14
16
18
20
*10^6
neutron energy (eV)

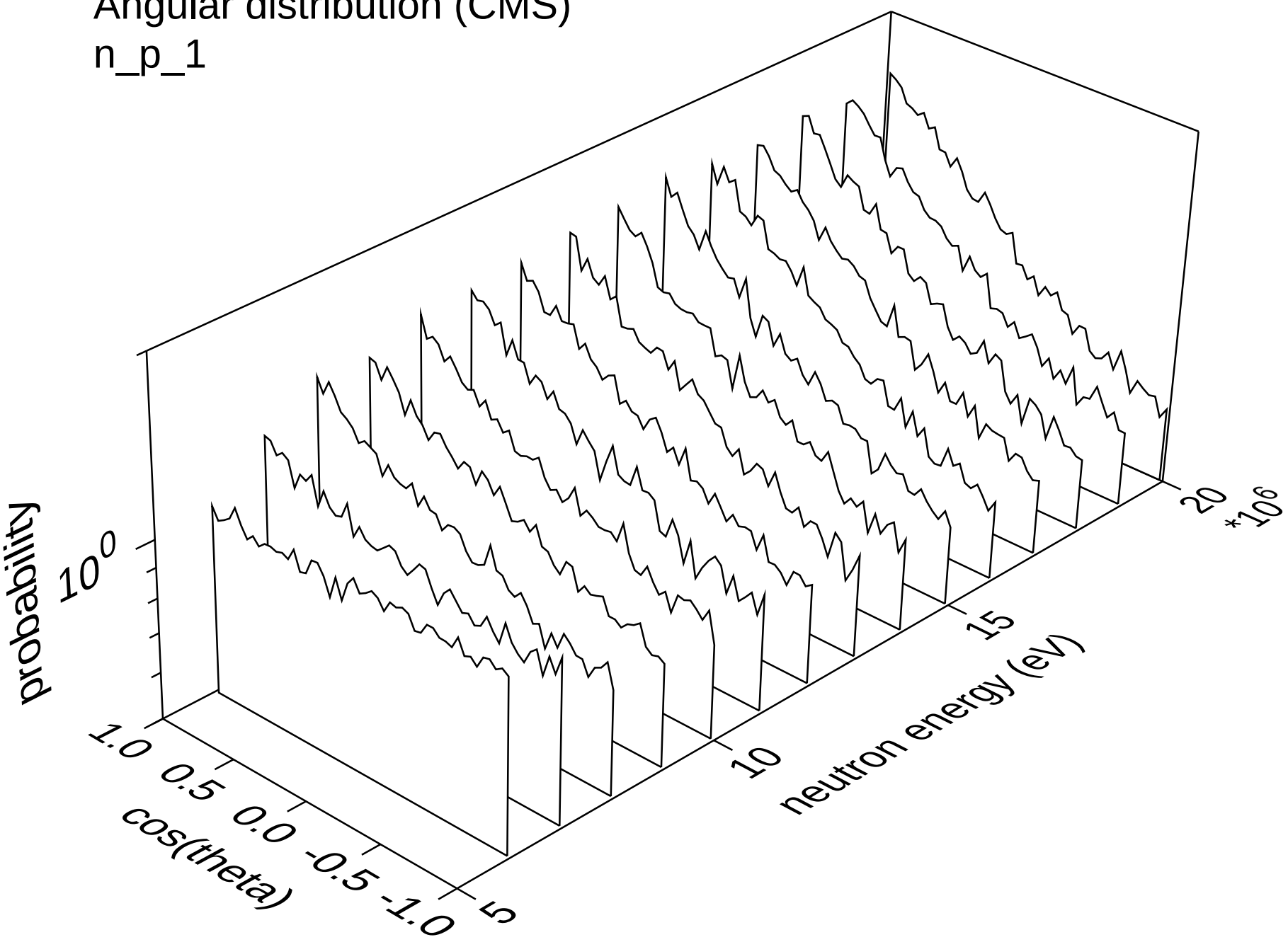

Angular distribution (CMS)
n_n_20
probability
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
10
12
14
16
18
20
*10^6
neutron energy (eV)

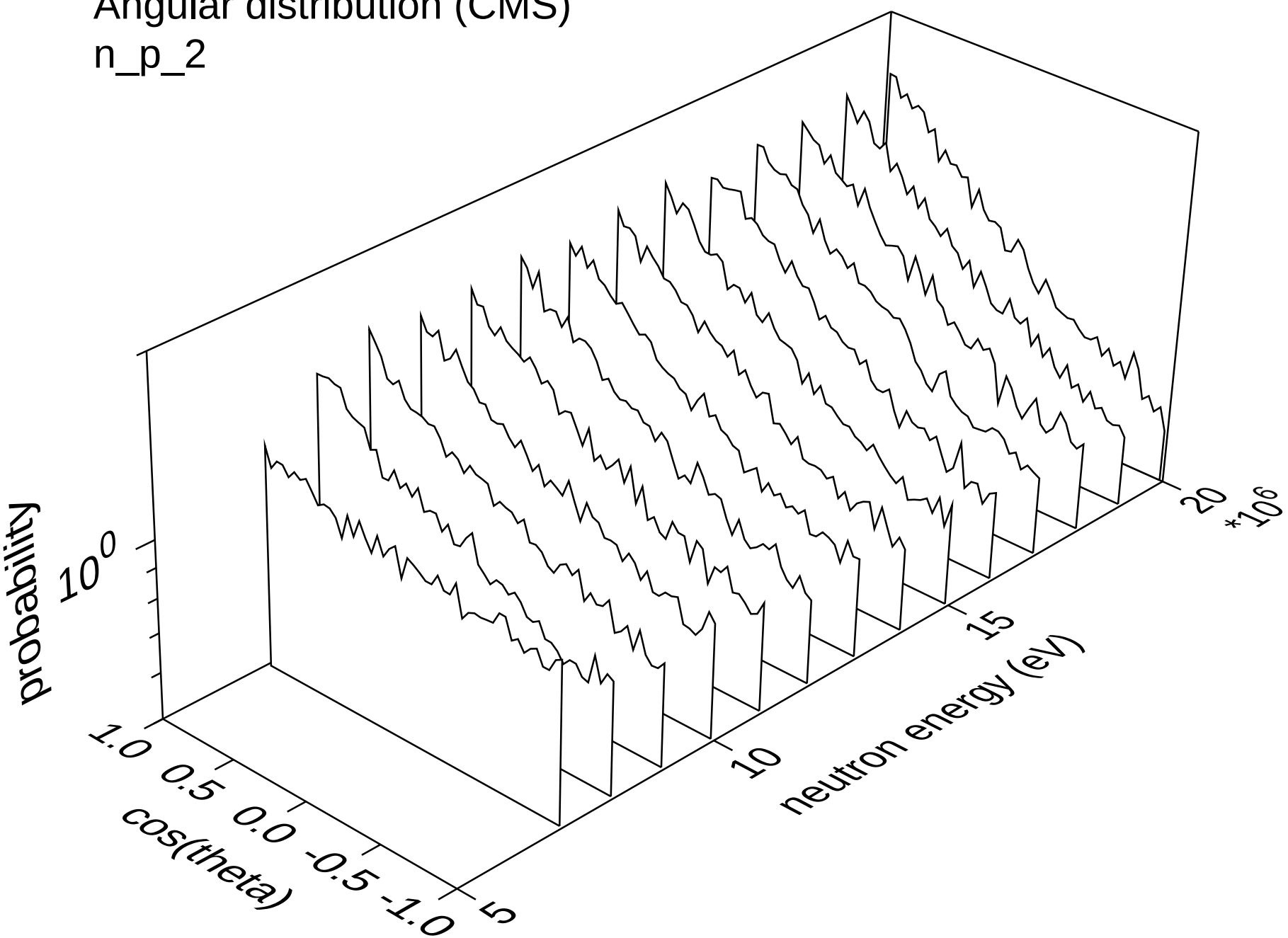

Angular distribution (CMS)
n_n_21
probability
10^0
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
12
14
16
18
20
*10^6
neutron energy (eV)

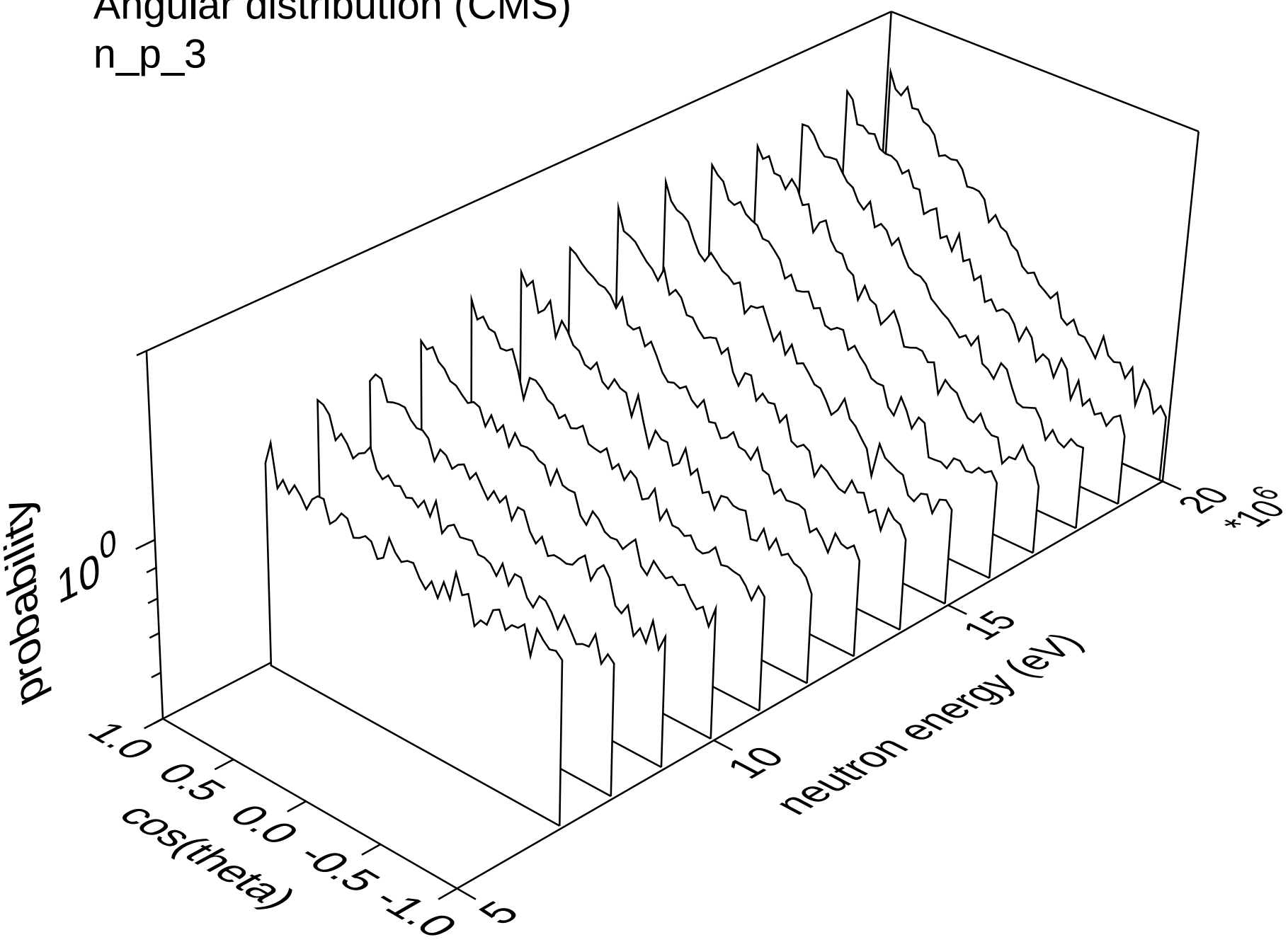

Angular distribution (CMS)
n_n_22
probability
10^0
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
12
14
16
18
20
*10^6
neutron energy (eV)

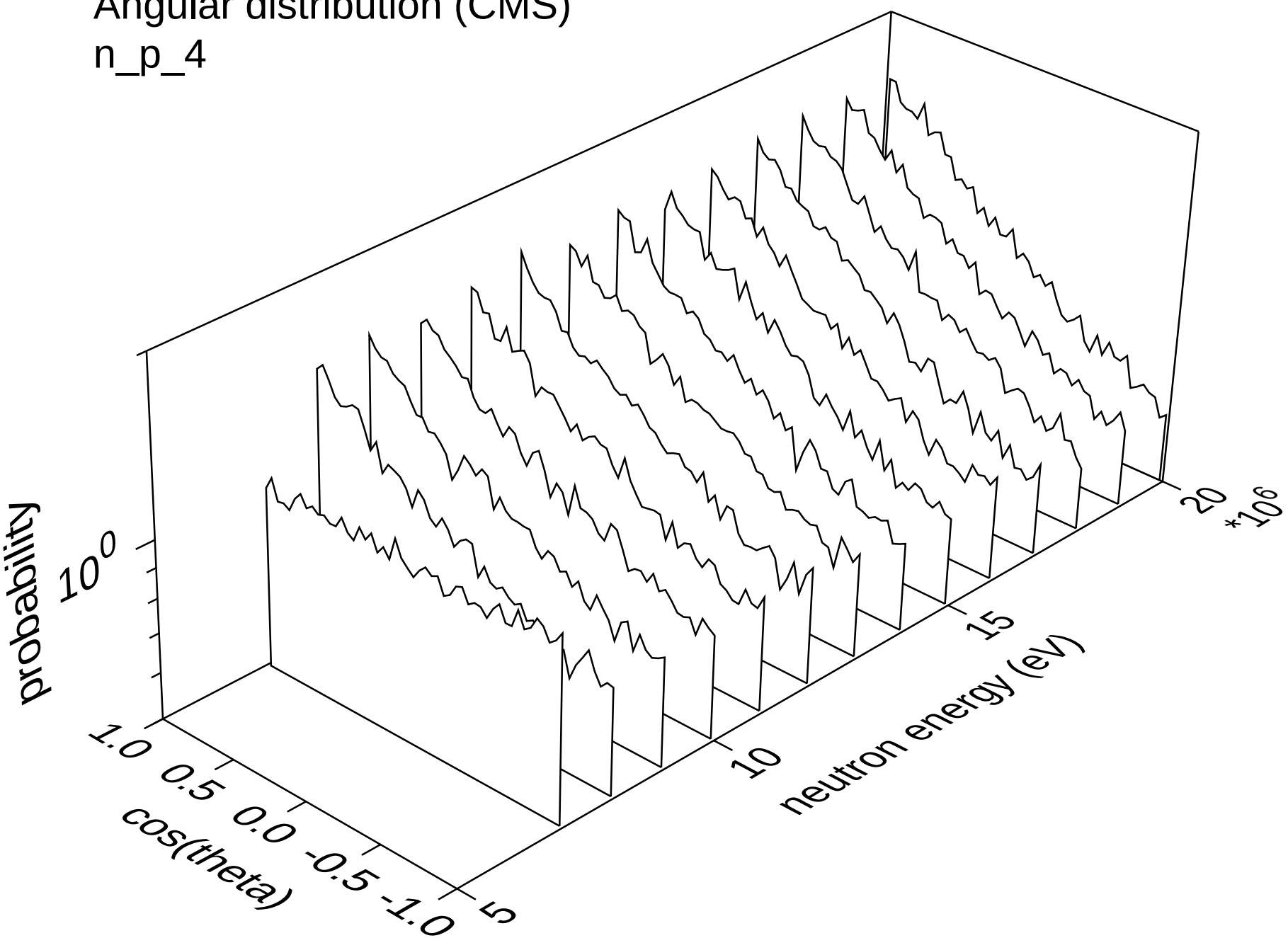

Angular distribution (CMS)
n_n_23
probability
10^0
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
12
14
16
18
20
*10^6
neutron energy (eV)

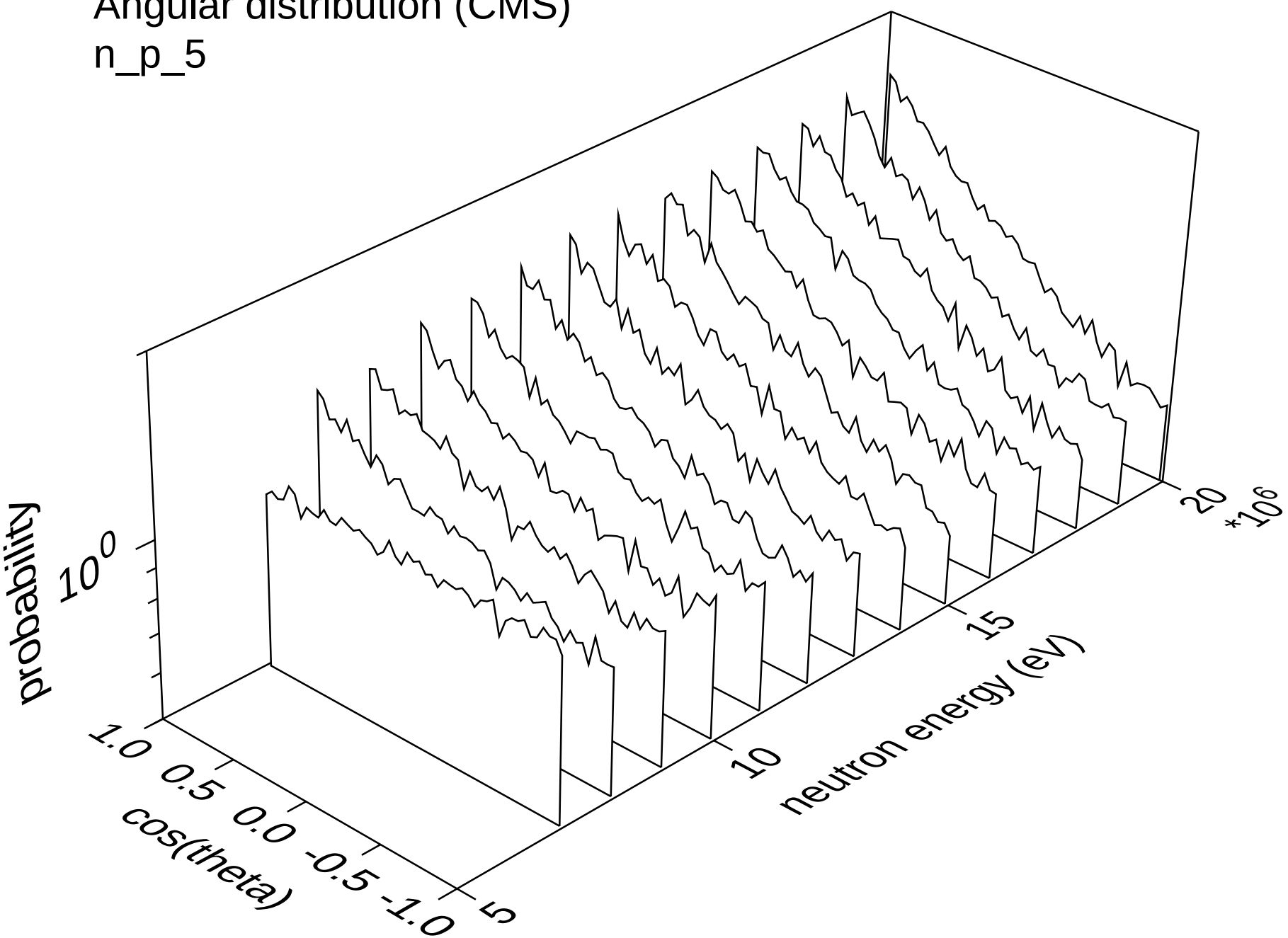

Angular distribution (CMS)
n_p_0
probability
10^0
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
0
5
10
15
20
*10^6
neutron energy (eV)

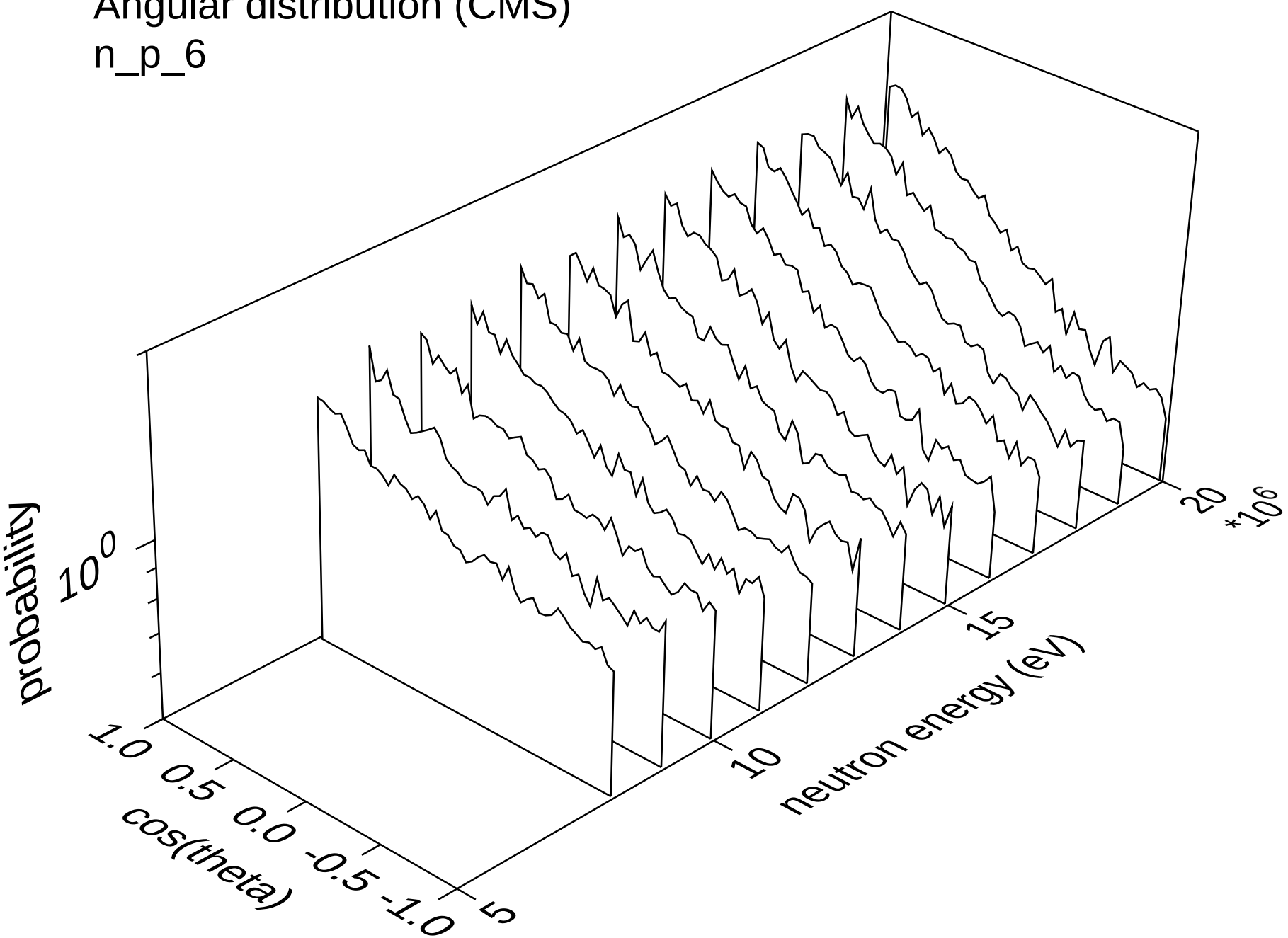

Angular distribution (CMS)
n_p_1
probability
10^0
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
5
10
15
20
*10^6
neutron energy (eV)

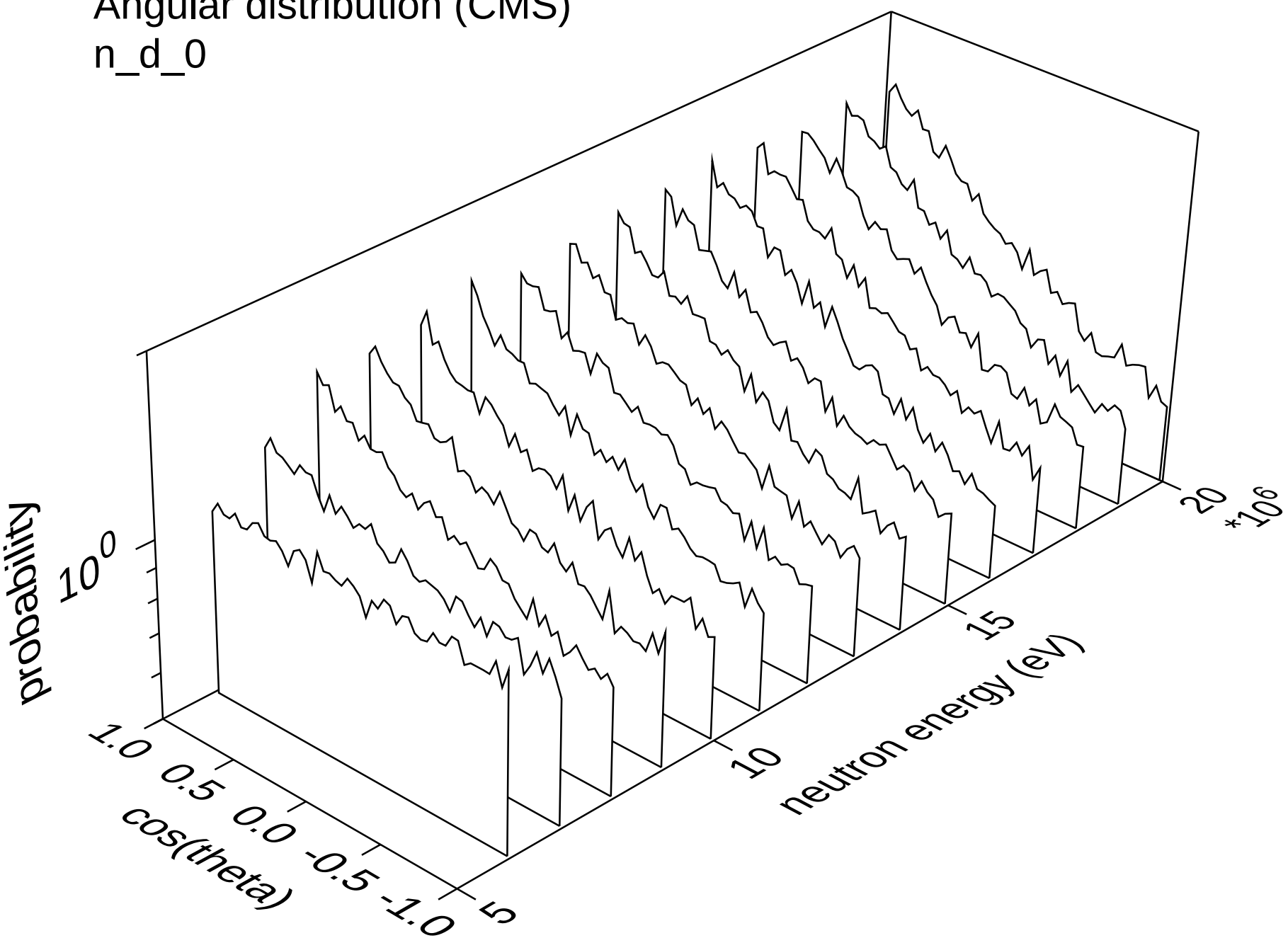

Angular distribution (CMS)
n_p_2
probability
10^0
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
5
10
15
20
*10^6
neutron energy (eV)

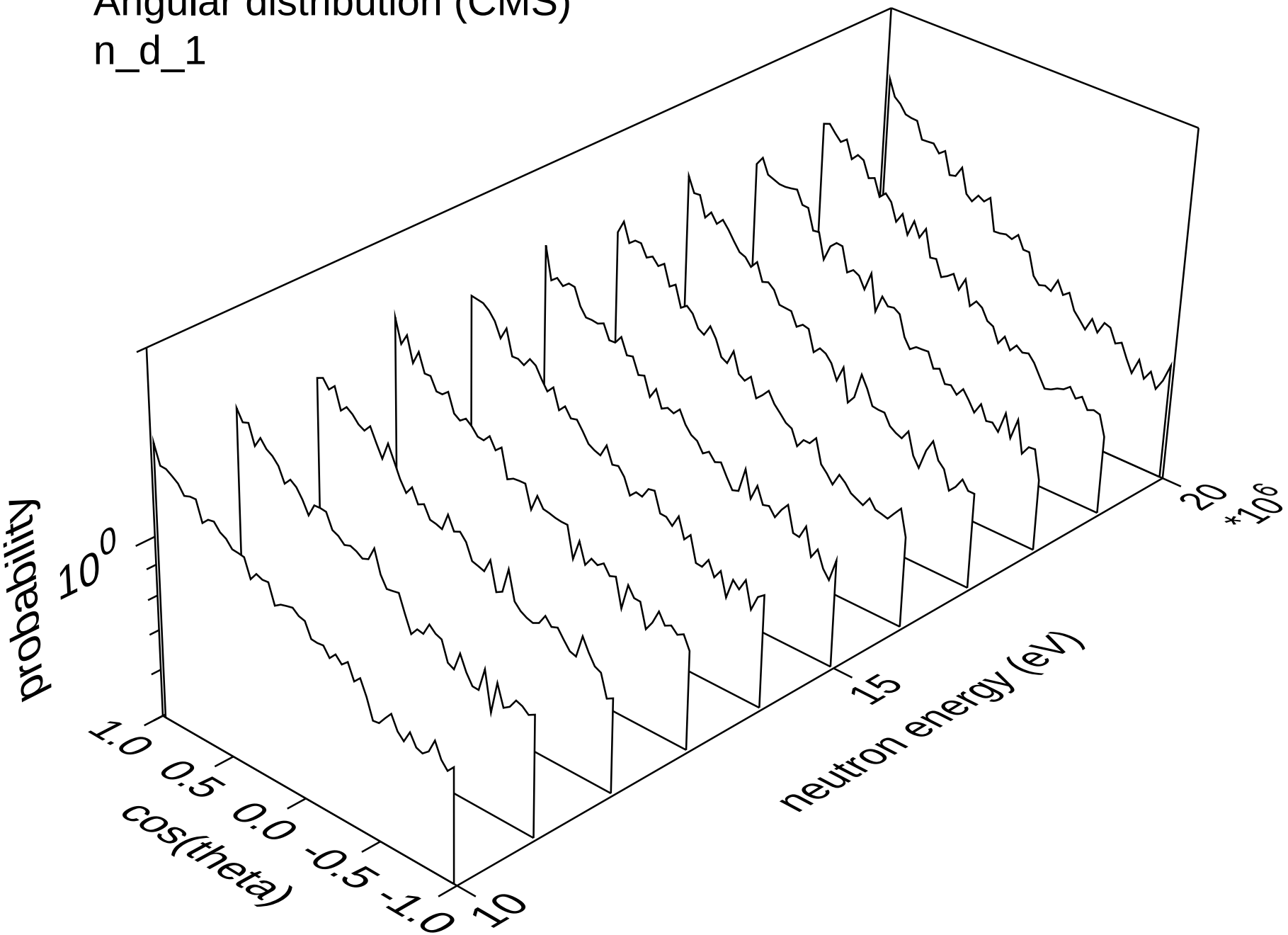

Angular distribution (CMS)
n_p_3
probability
10^0
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
5
10
15
20
*10^6
neutron energy (eV)

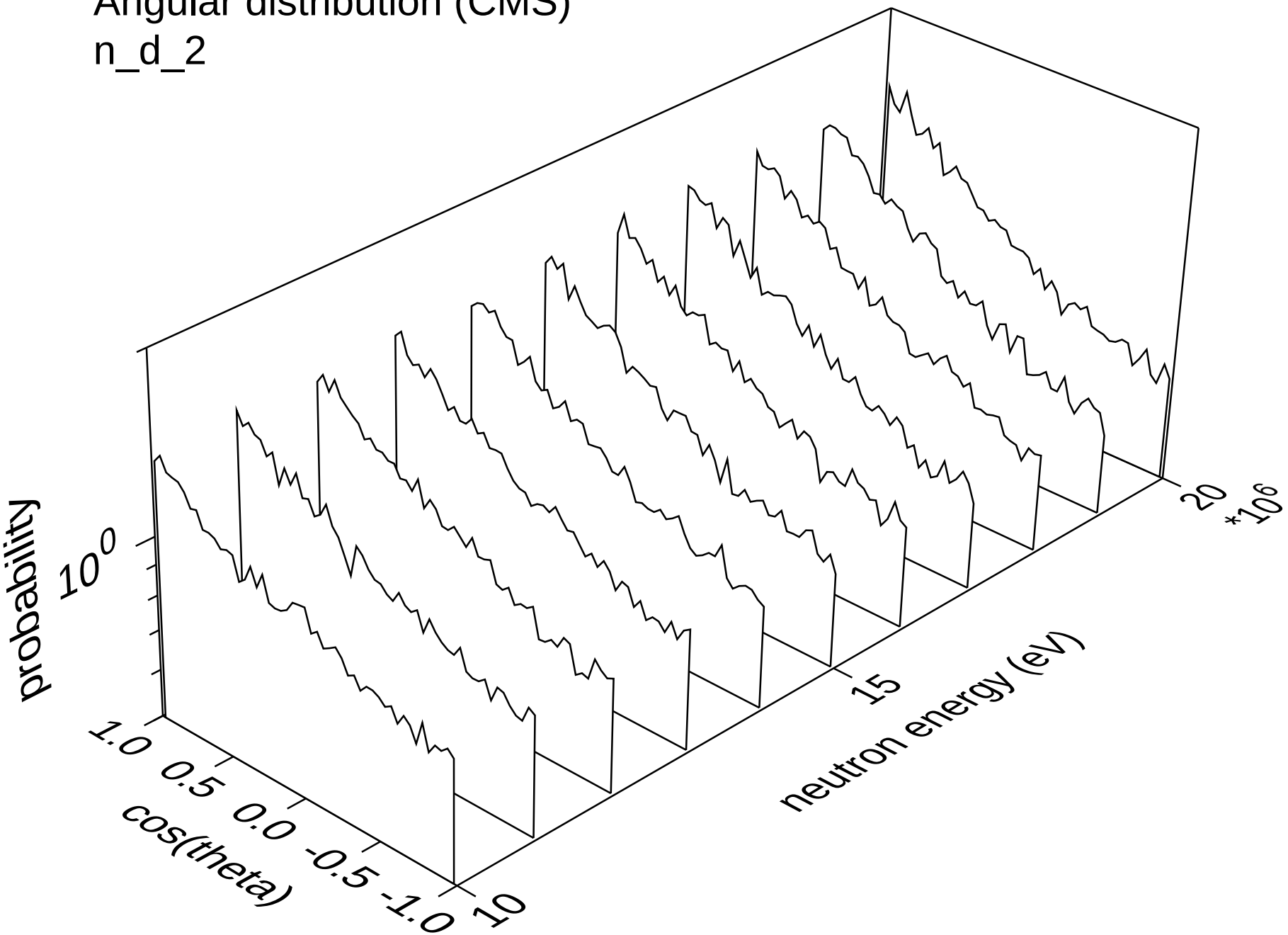

Angular distribution (CMS)
n_p_4
probability
10^0
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
5
10
15
20
*10^6
neutron energy (eV)

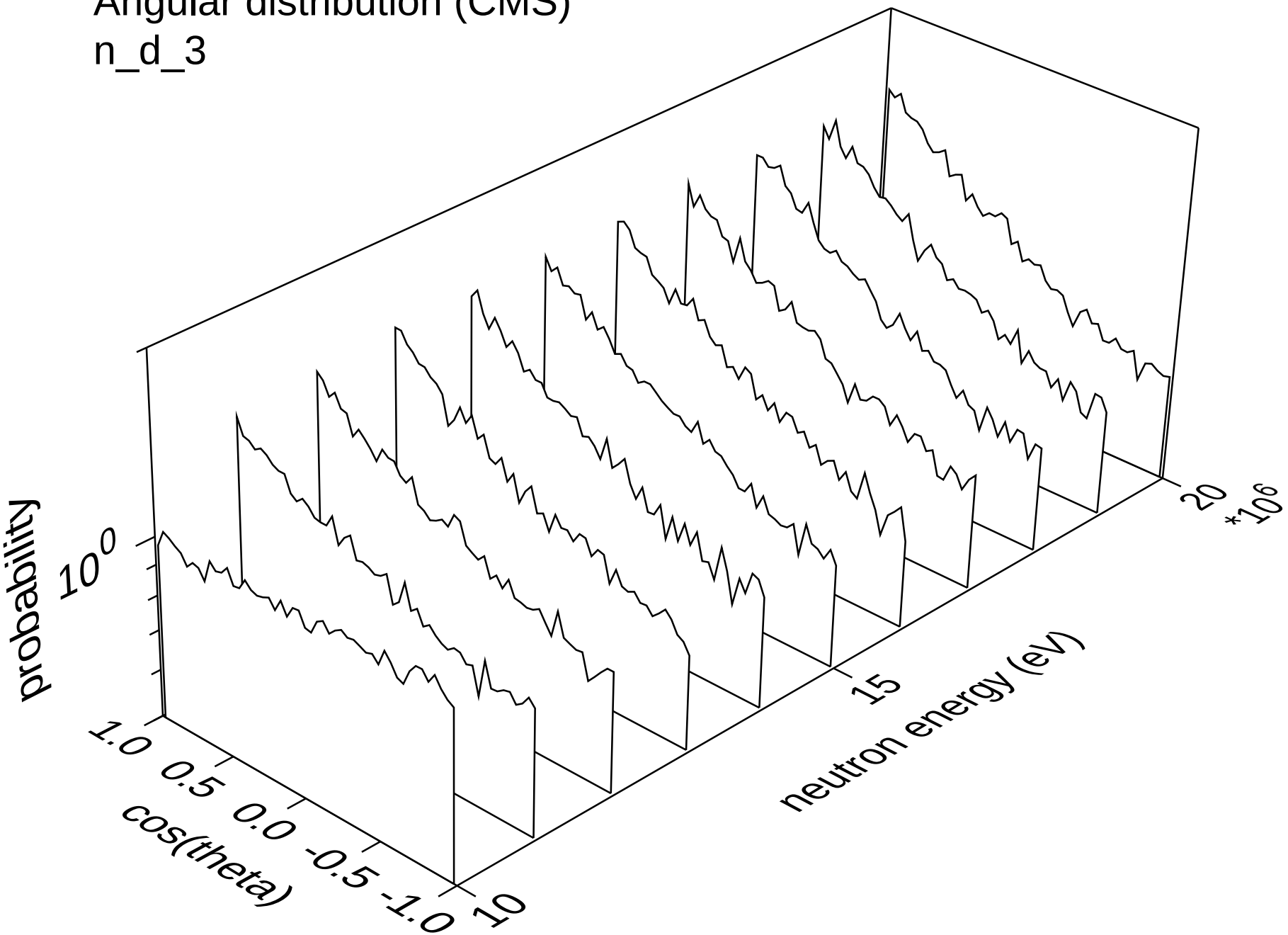

Angular distribution (CMS)
n_p_5
probability
10^0
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
5
10
15
20
*10^6
neutron energy (eV)

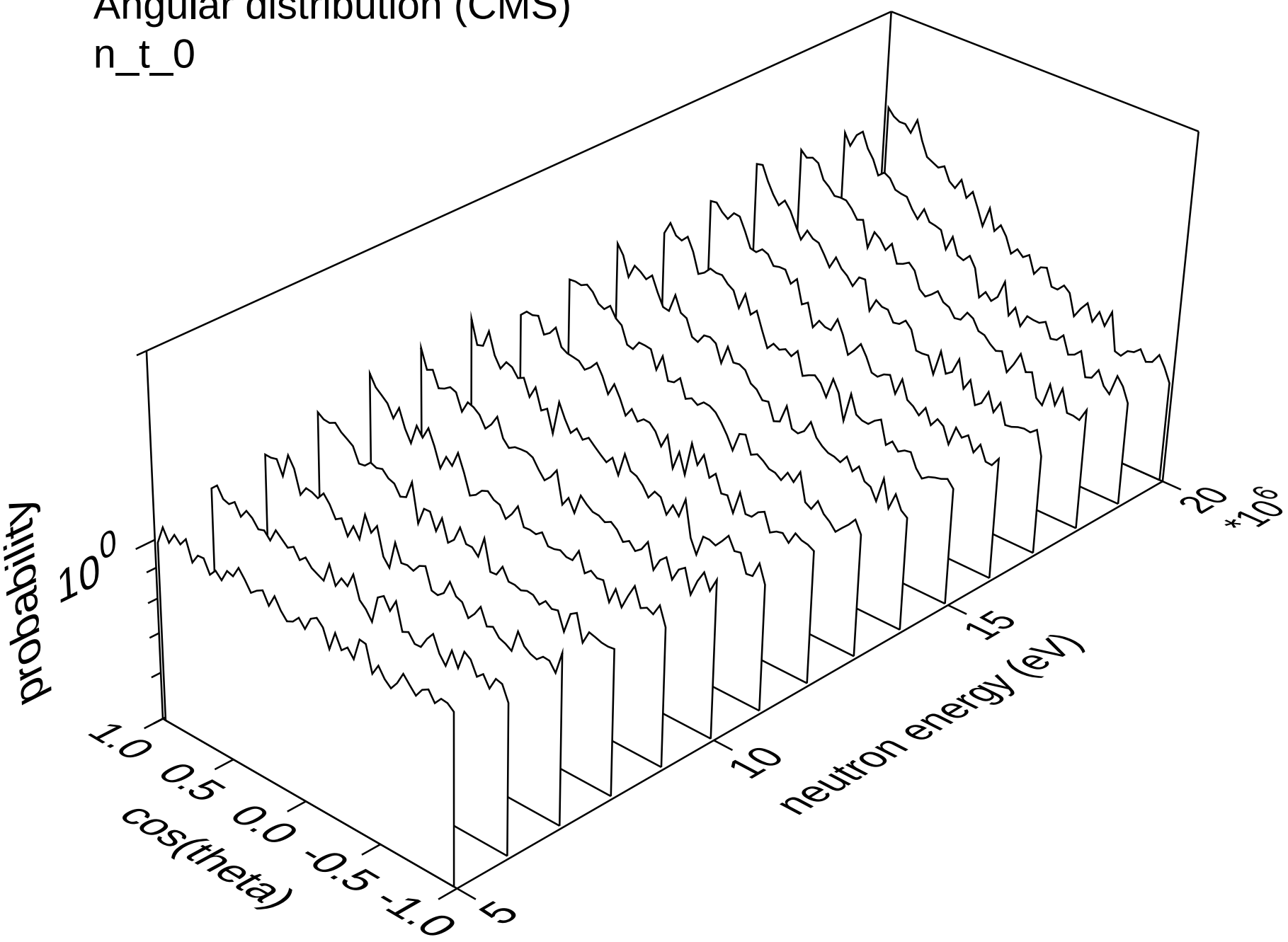

Angular distribution (CMS)
n_p_6
probability
10^0
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
5
10
15
20
*10^6
neutron energy (eV)

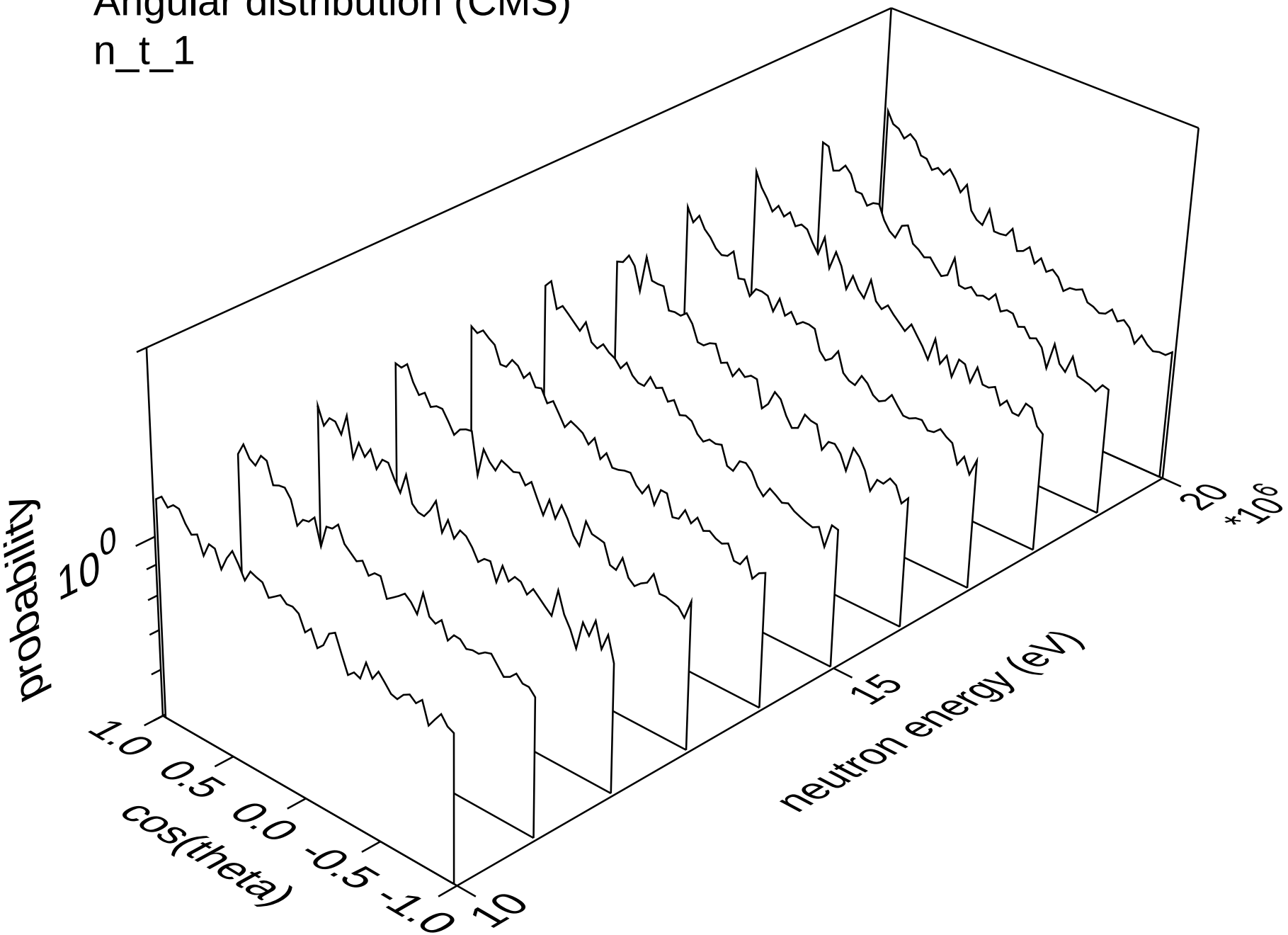

Angular distribution (CMS)
n_d_0
probability
10^0
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
5
10
15
20
*10^6
neutron energy (eV)

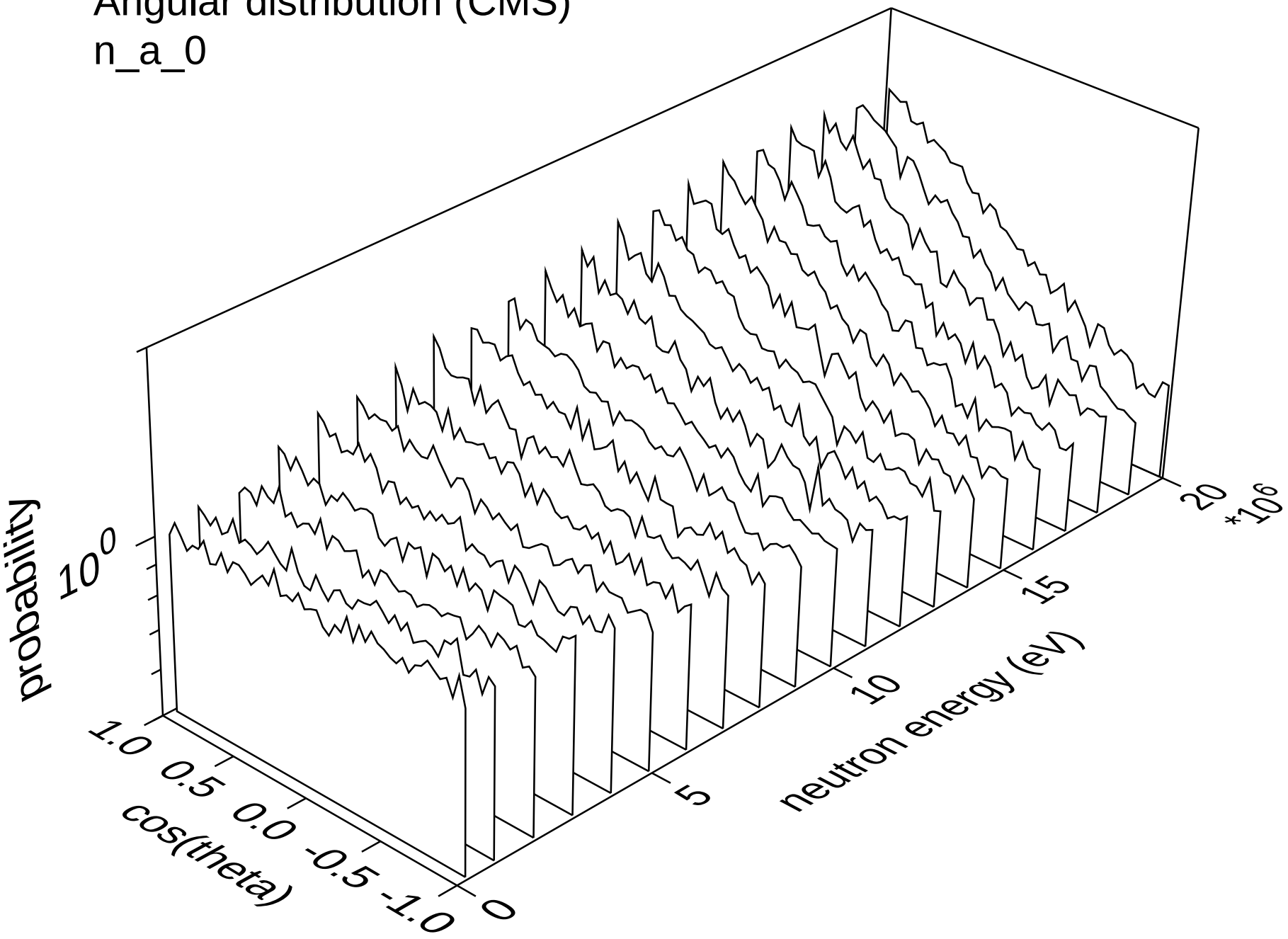

Angular distribution (CMS)
n_d_1
probability
10^0
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
10
15
20
*10^6
neutron energy (eV)

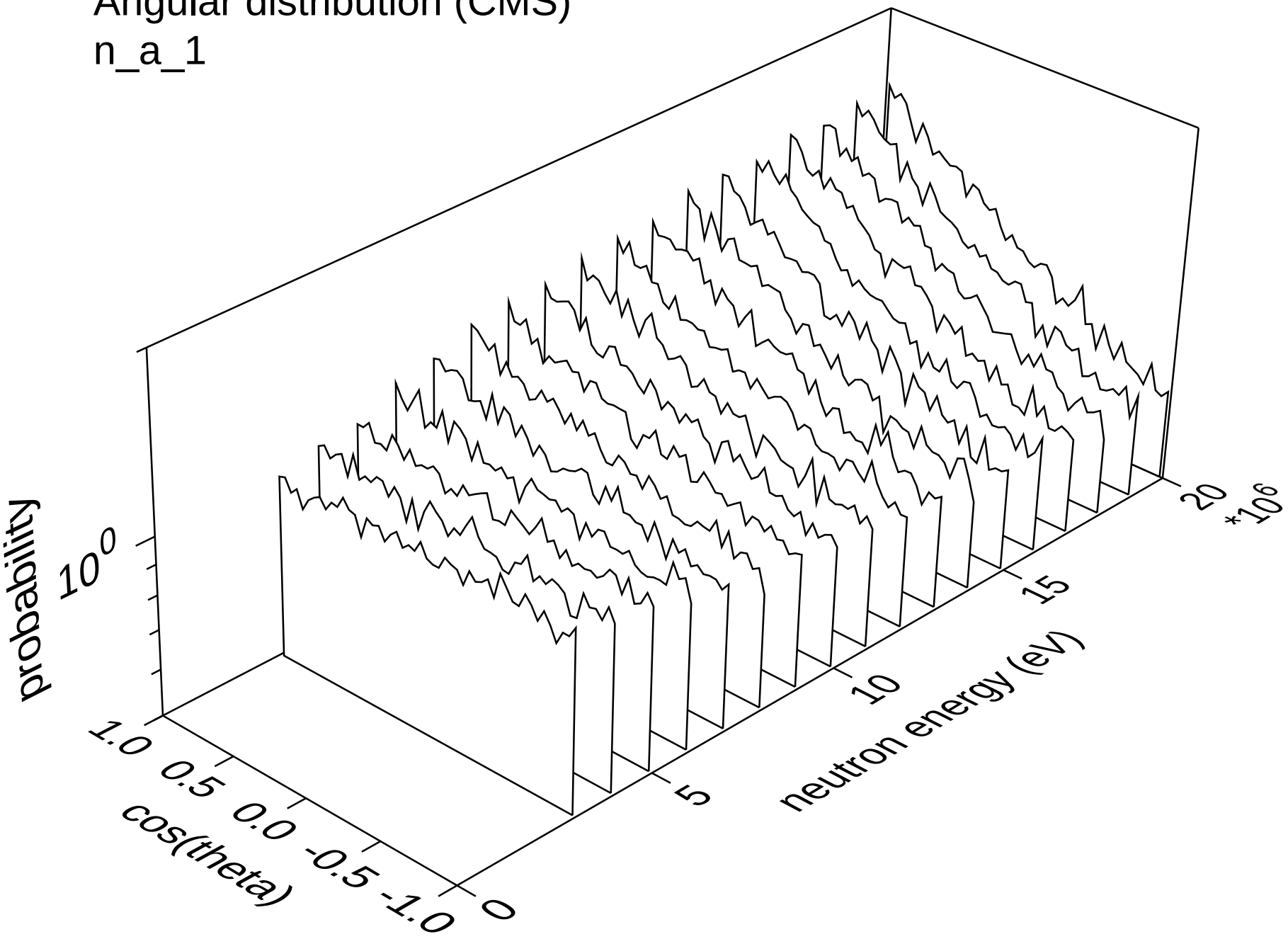

Angular distribution (CMS)
n_d_2
probability
10^0
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
10
15
20
*10^6
neutron energy (eV)

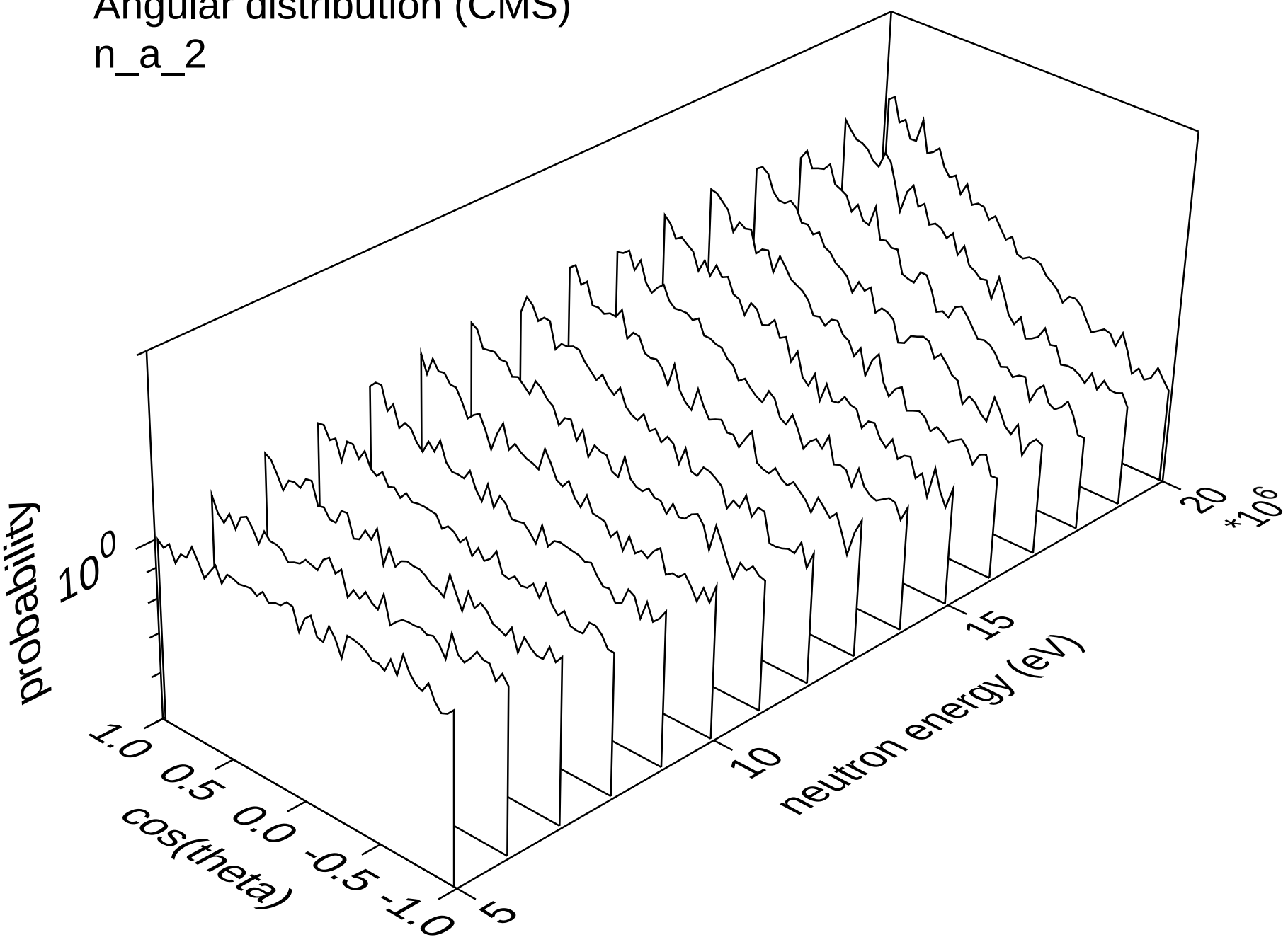

Angular distribution (CMS)
n_d_3
probability
10^0
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
10
15
20
*10^6
neutron energy (eV)

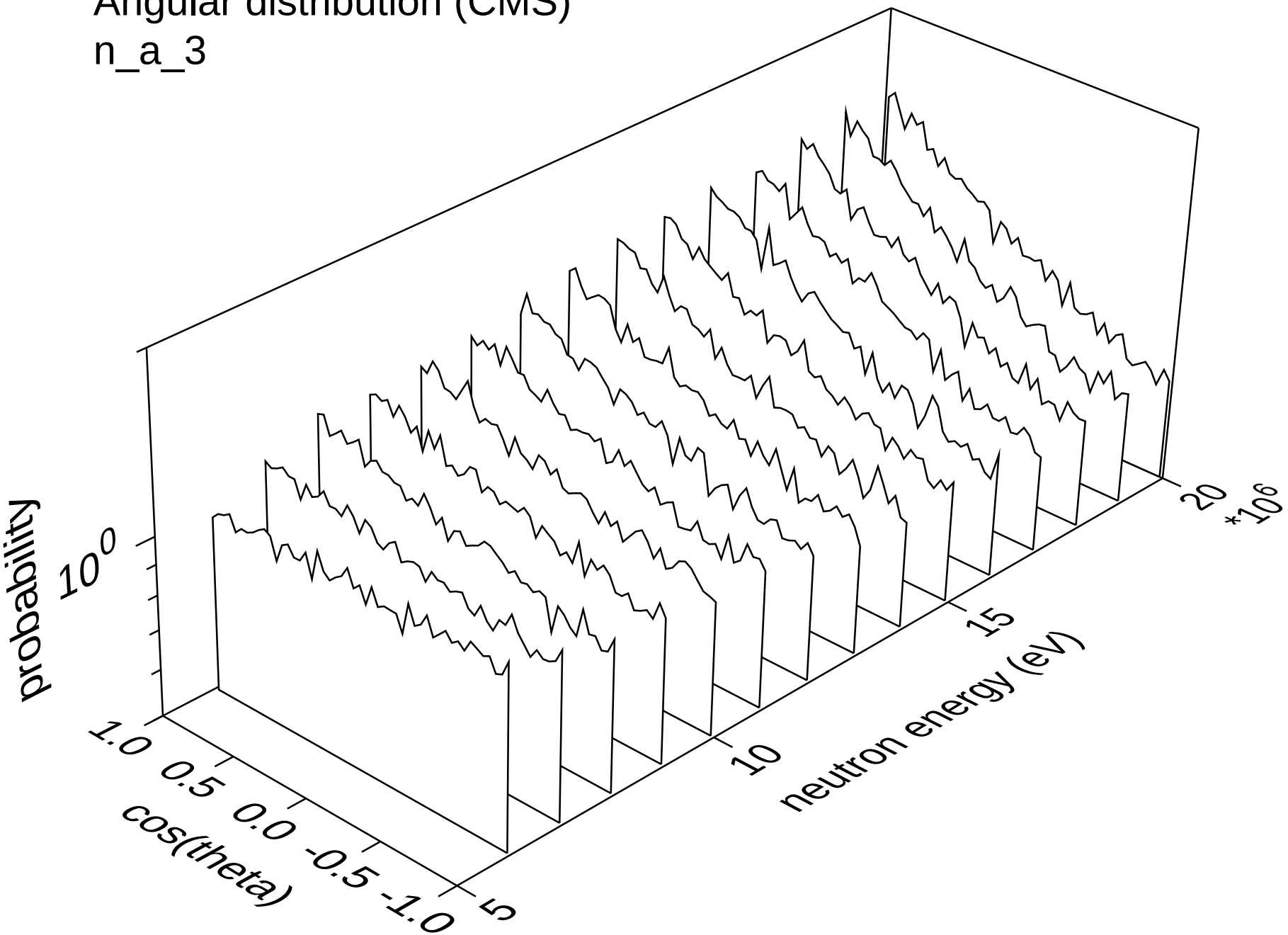

Angular distribution (CMS)
n_t_0
probability
10^0
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
5
10
15
20
*10^6
neutron energy (eV)

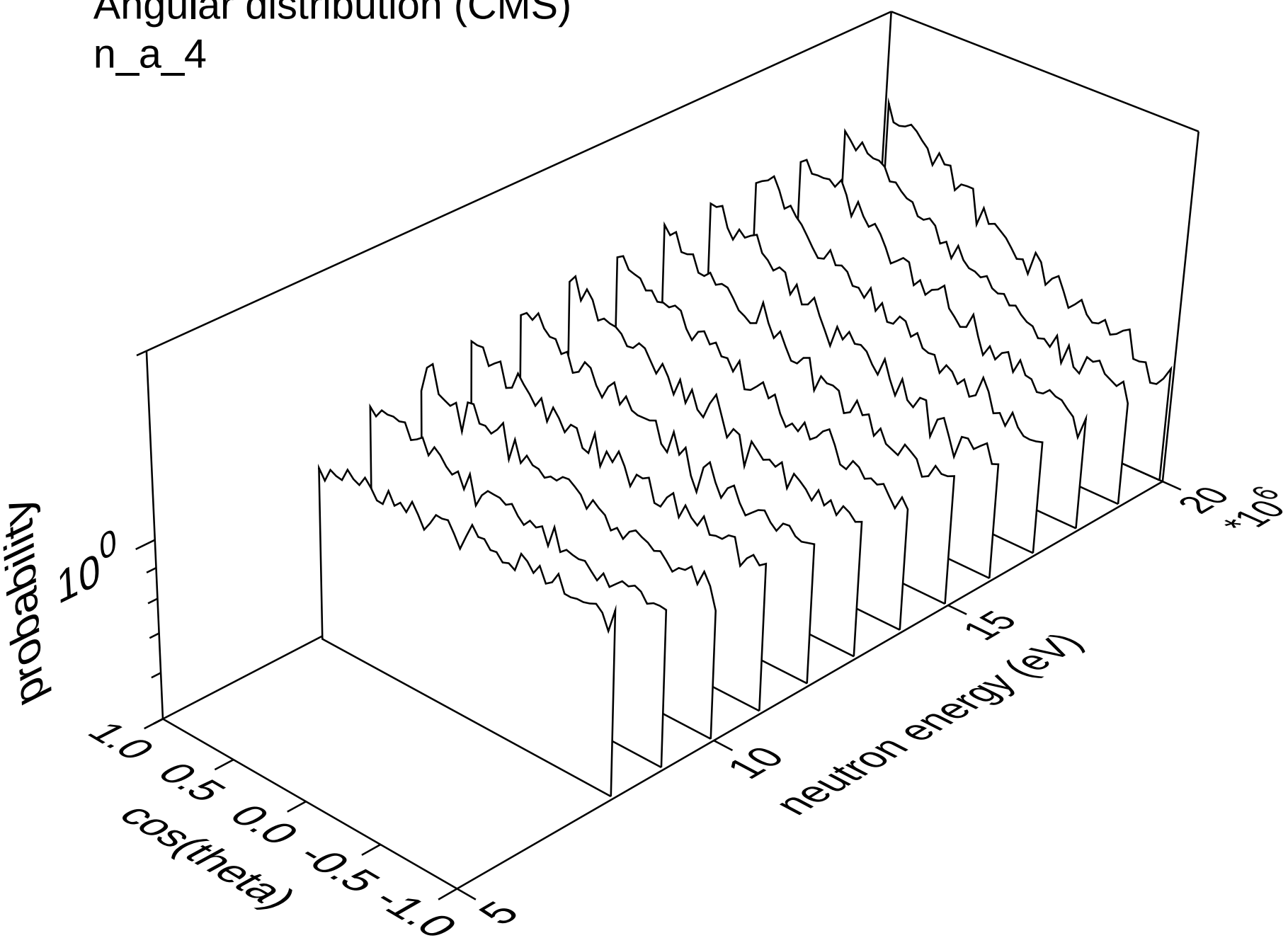

Angular distribution (CMS)
n_t_1
probability
10^0
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
10
15
20
*10^6
neutron energy (eV)

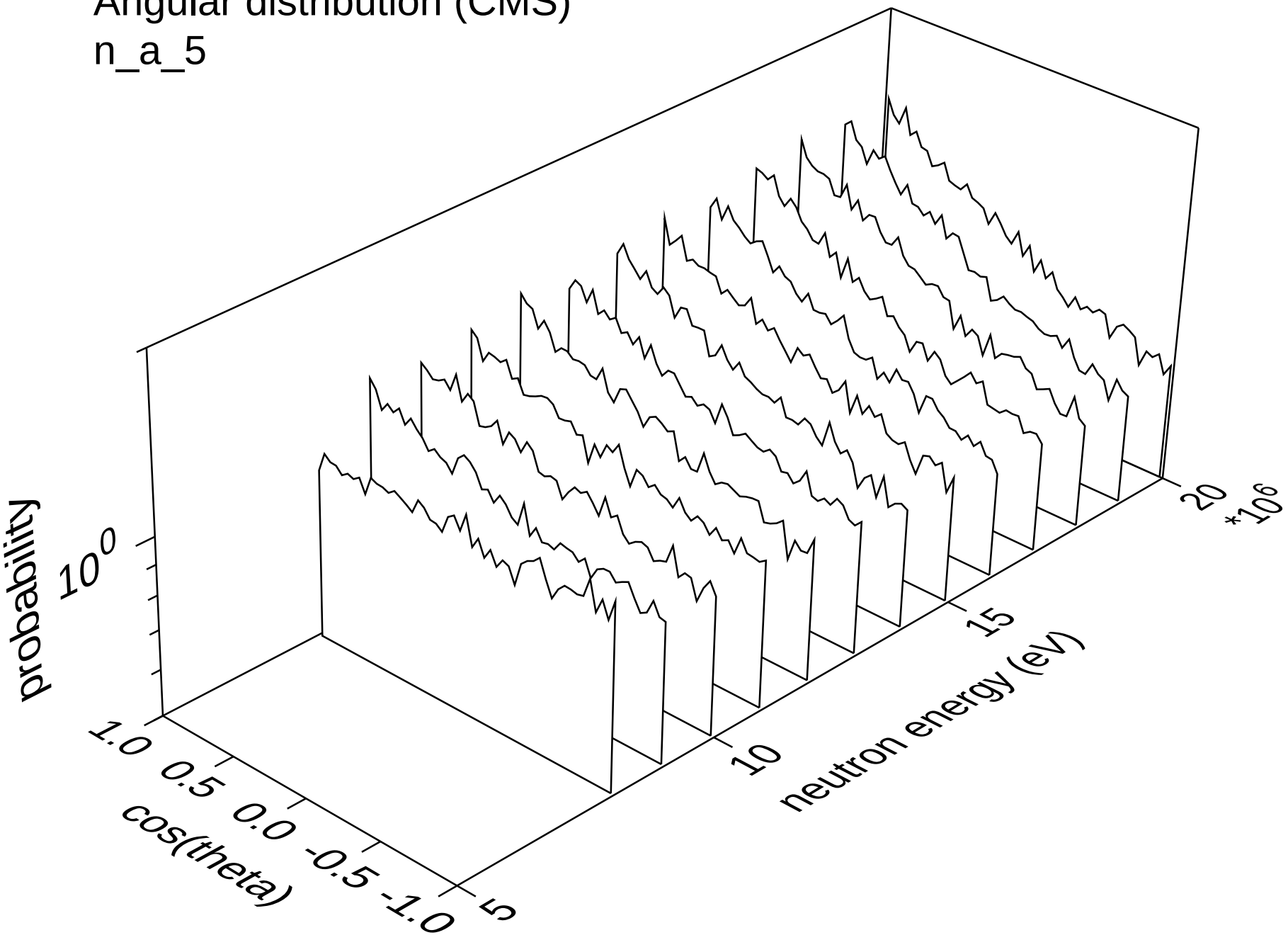

Angular distribution (CMS)
n_a_0
probability
10^0
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
0
5
10
15
20
*10^6
neutron energy (eV)

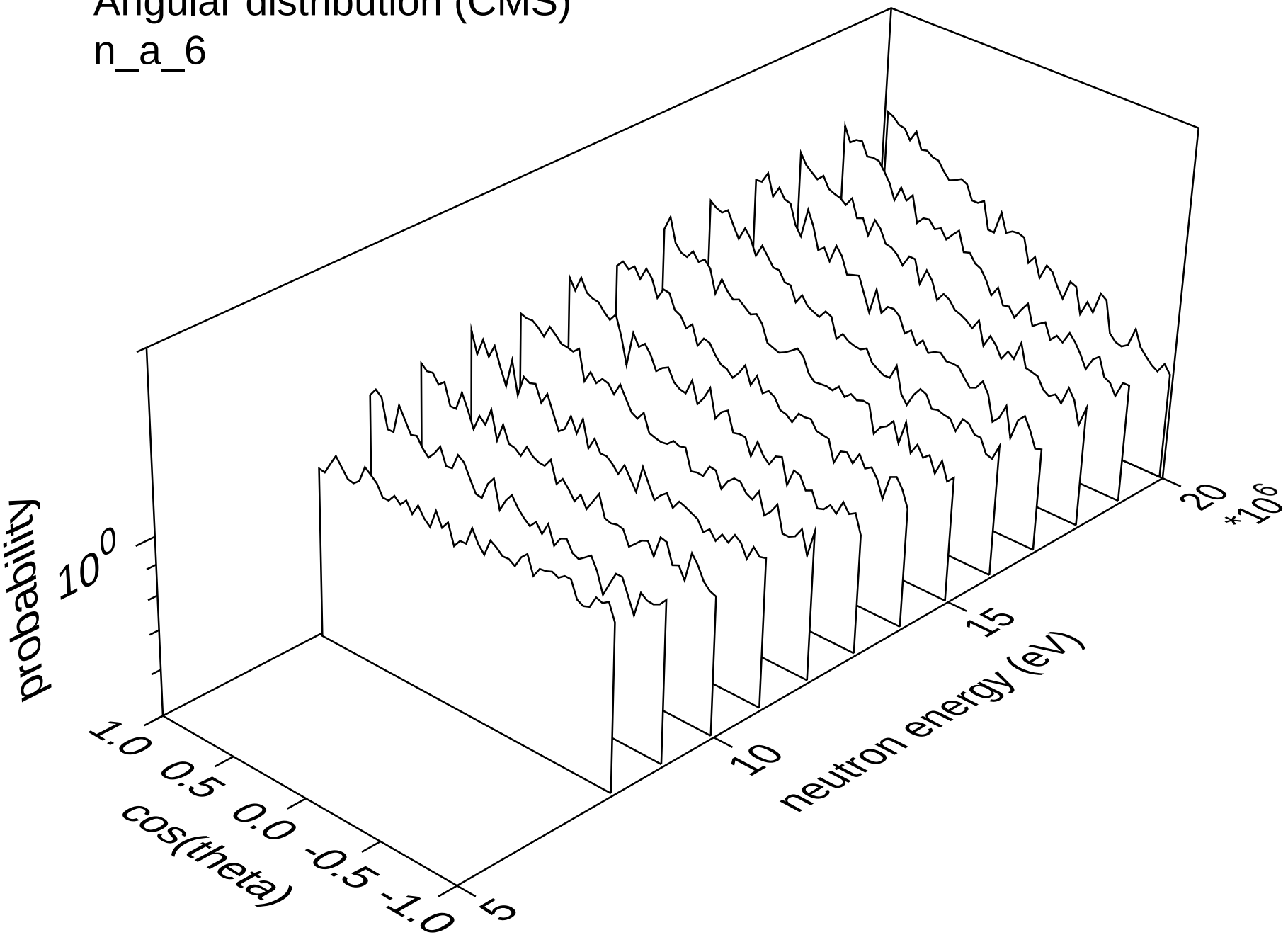

Angular distribution (CMS)
n_a_1
probability
10^0
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
0
5
10
15
20
*10^6
neutron energy (eV)

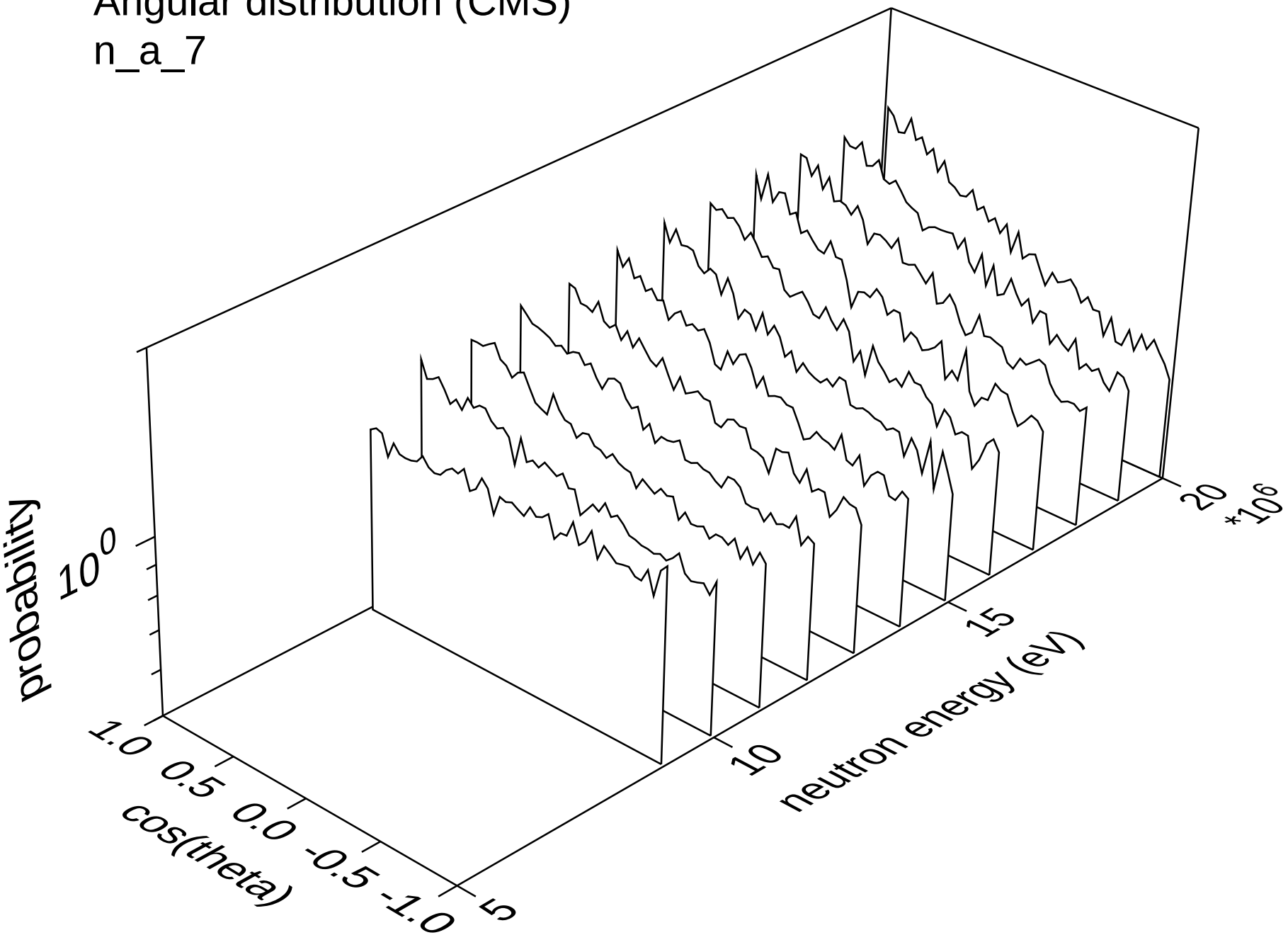

Angular distribution (CMS)
n_a_2
probability
10^0
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
5
10
15
20
*10^6
neutron energy (eV)

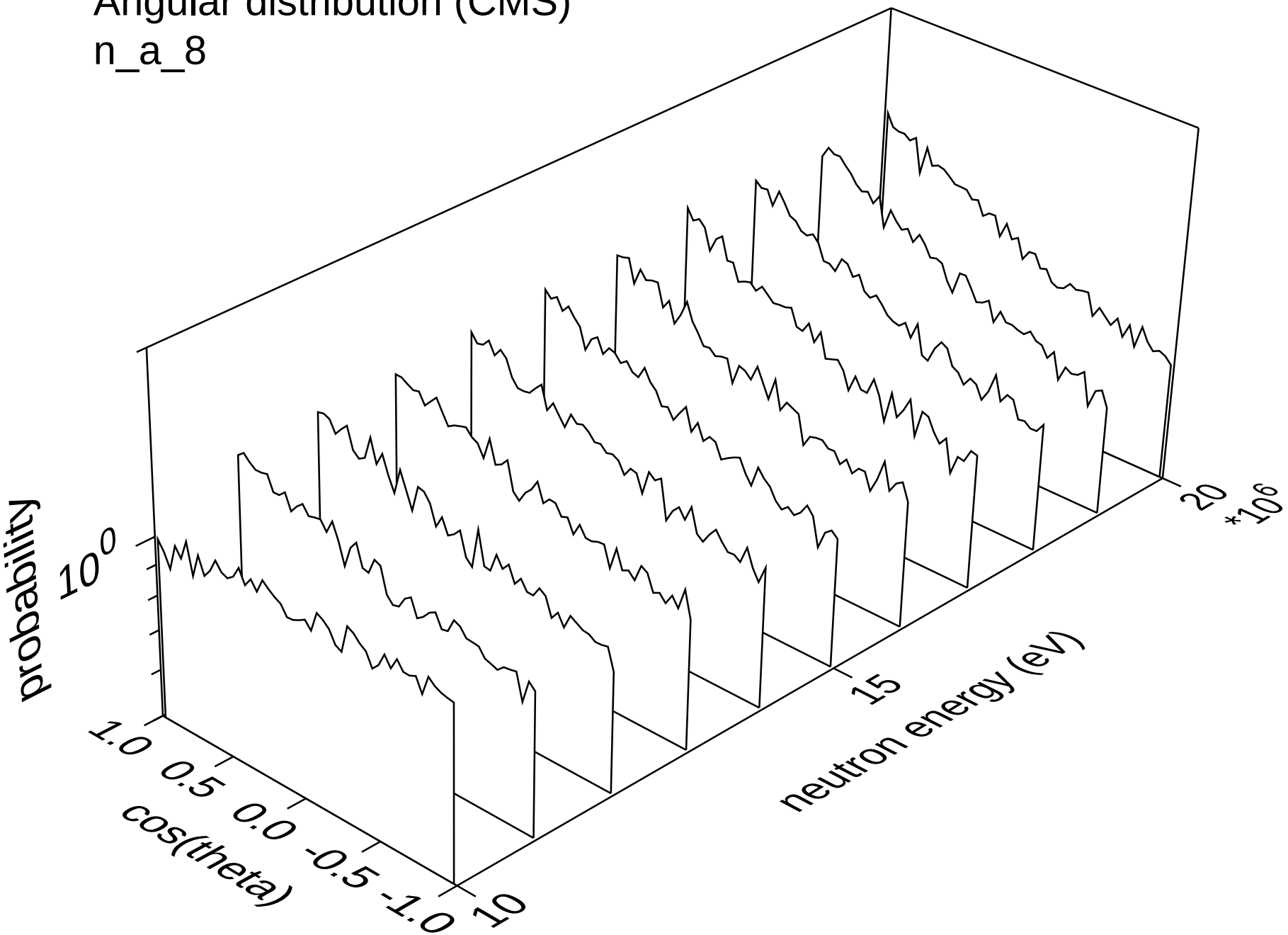

Angular distribution (CMS)
n_a_3
probability
10^0
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
5
10
15
20
*10^6
neutron energy (eV)

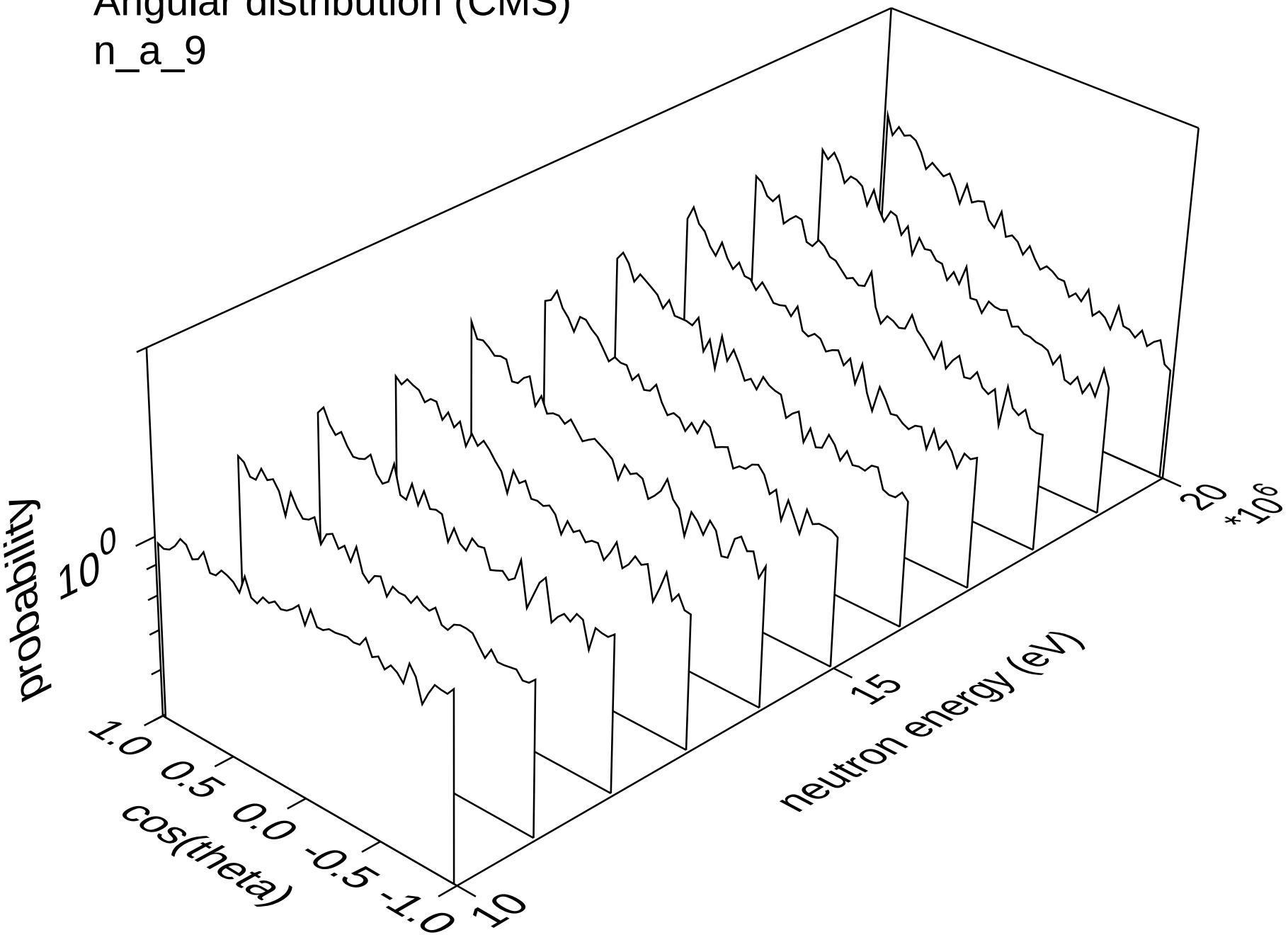

Angular distribution (CMS)
n_a_4
probability
10^0
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
5
10
15
20
*10^6
neutron energy (eV)

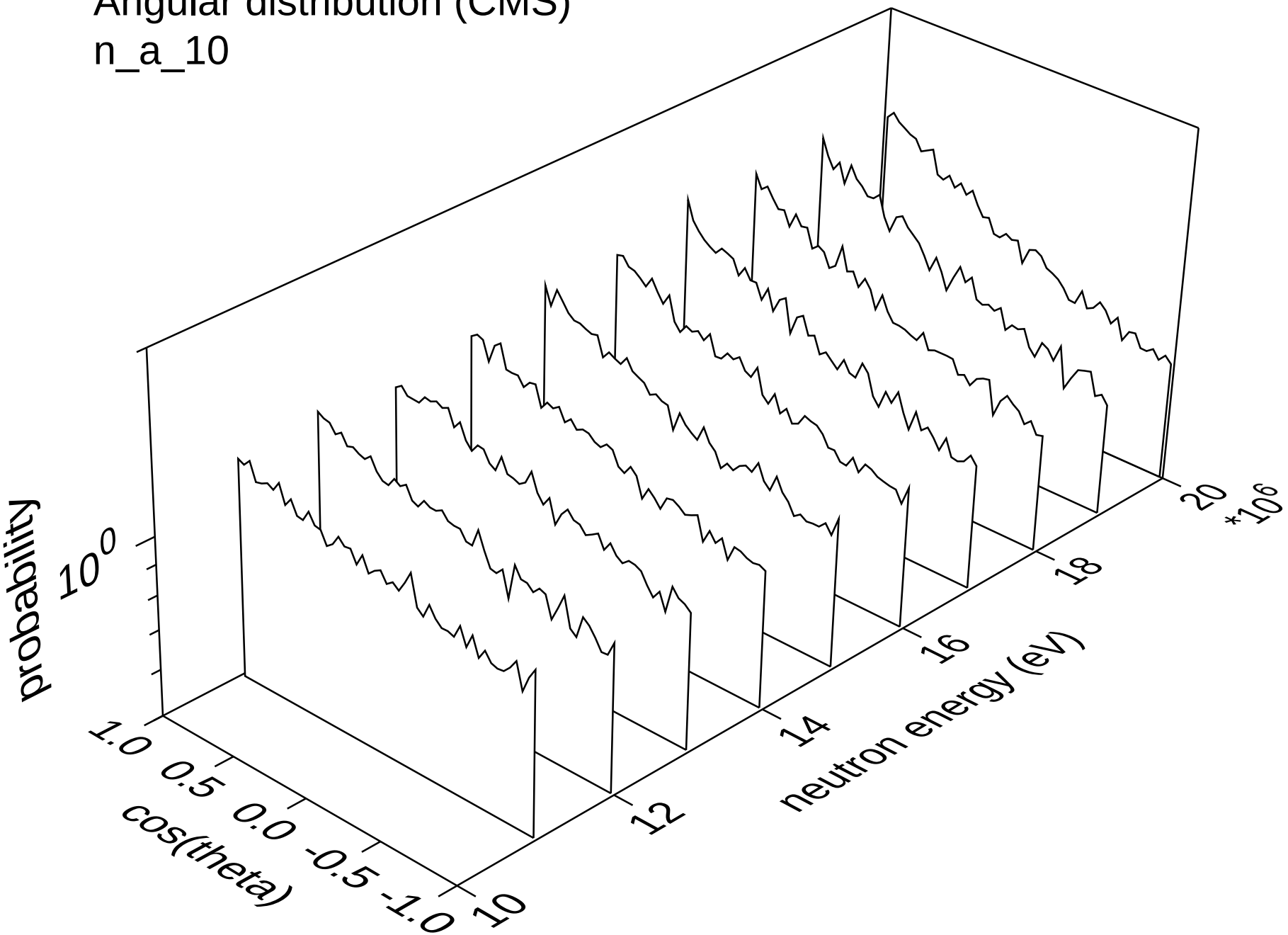

Angular distribution (CMS)
n_a_5
probability
10^0
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
5
10
15
20
*10^6
neutron energy (eV)

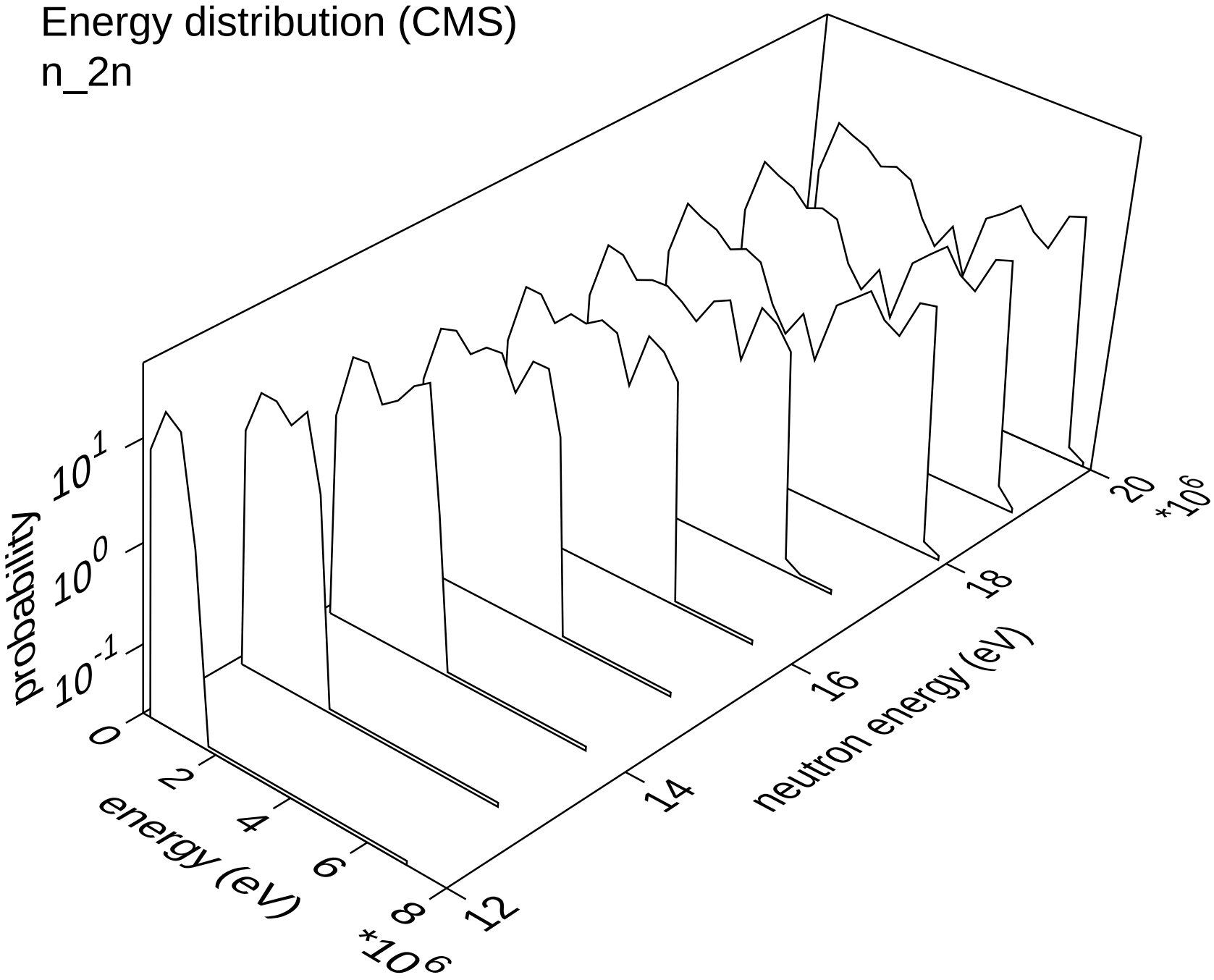

Angular distribution (CMS)
n_a_6
probability
10^0
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
5
10
15
20
*10^6
neutron energy (eV)

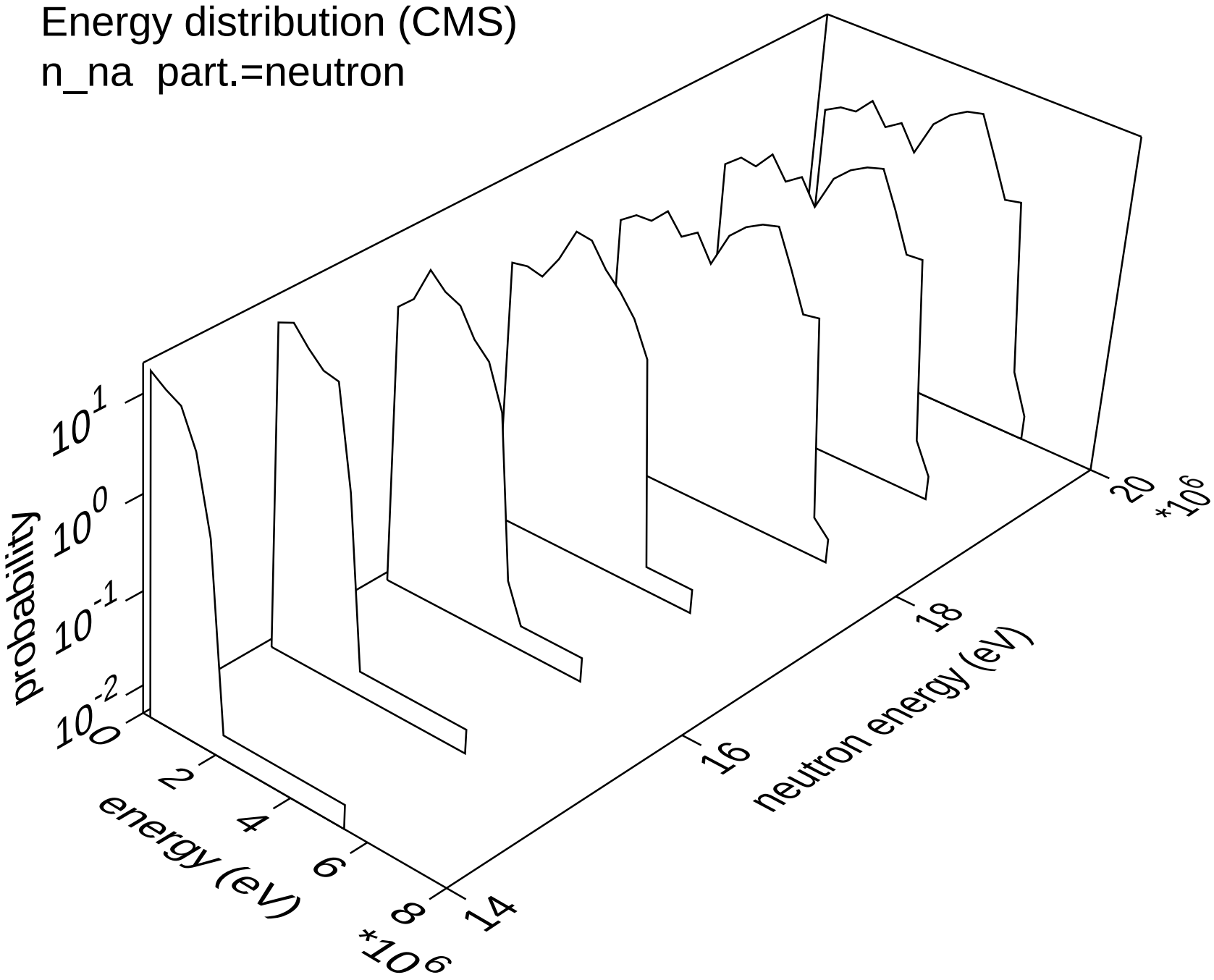

Angular distribution (CMS)
n_a_7
probability
10^0
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
5
10
15
20
*10^6
neutron energy (eV)

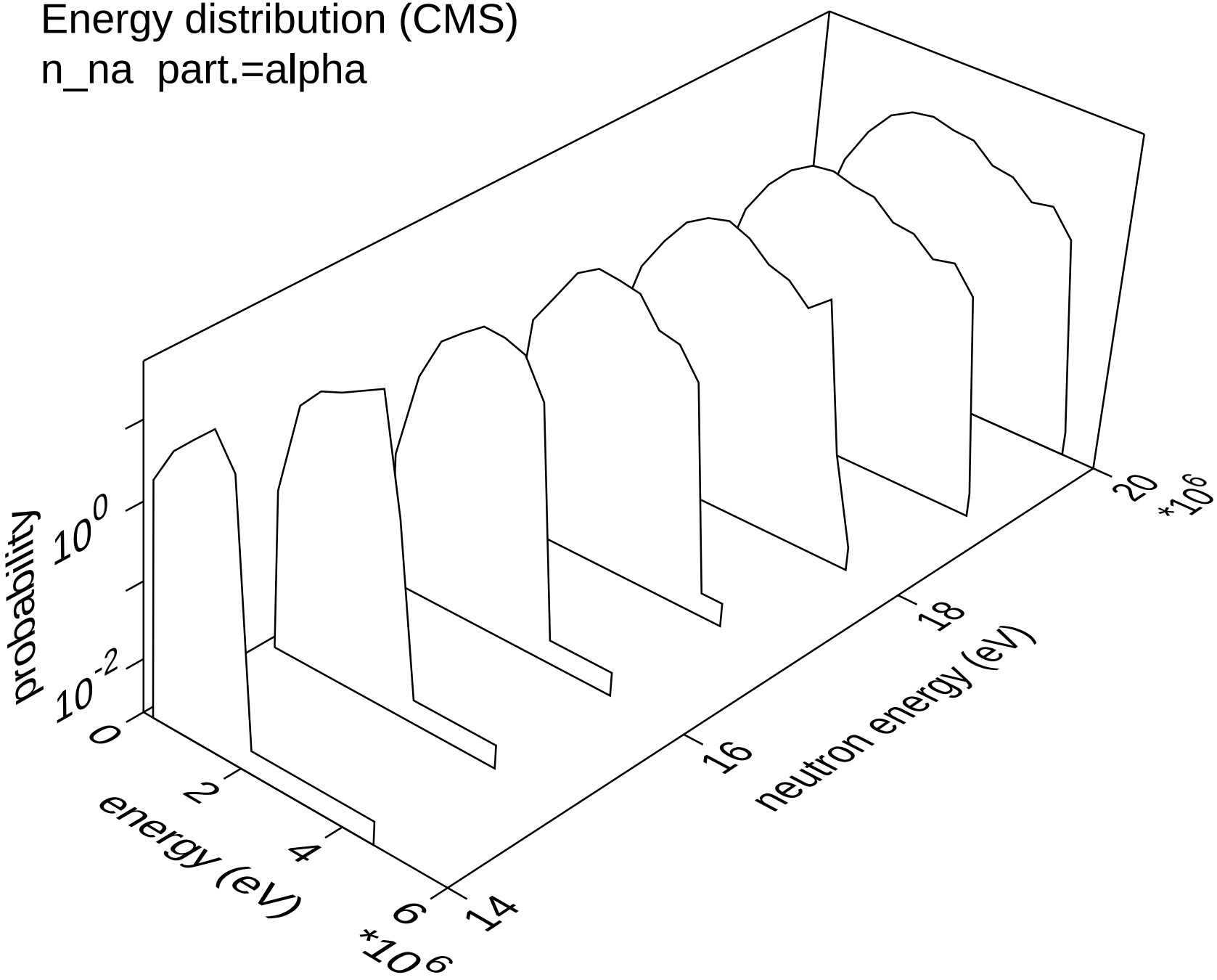

Angular distribution (CMS)
n_a_8
probability
10^0
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
10
15
20
*10^6
neutron energy (eV)

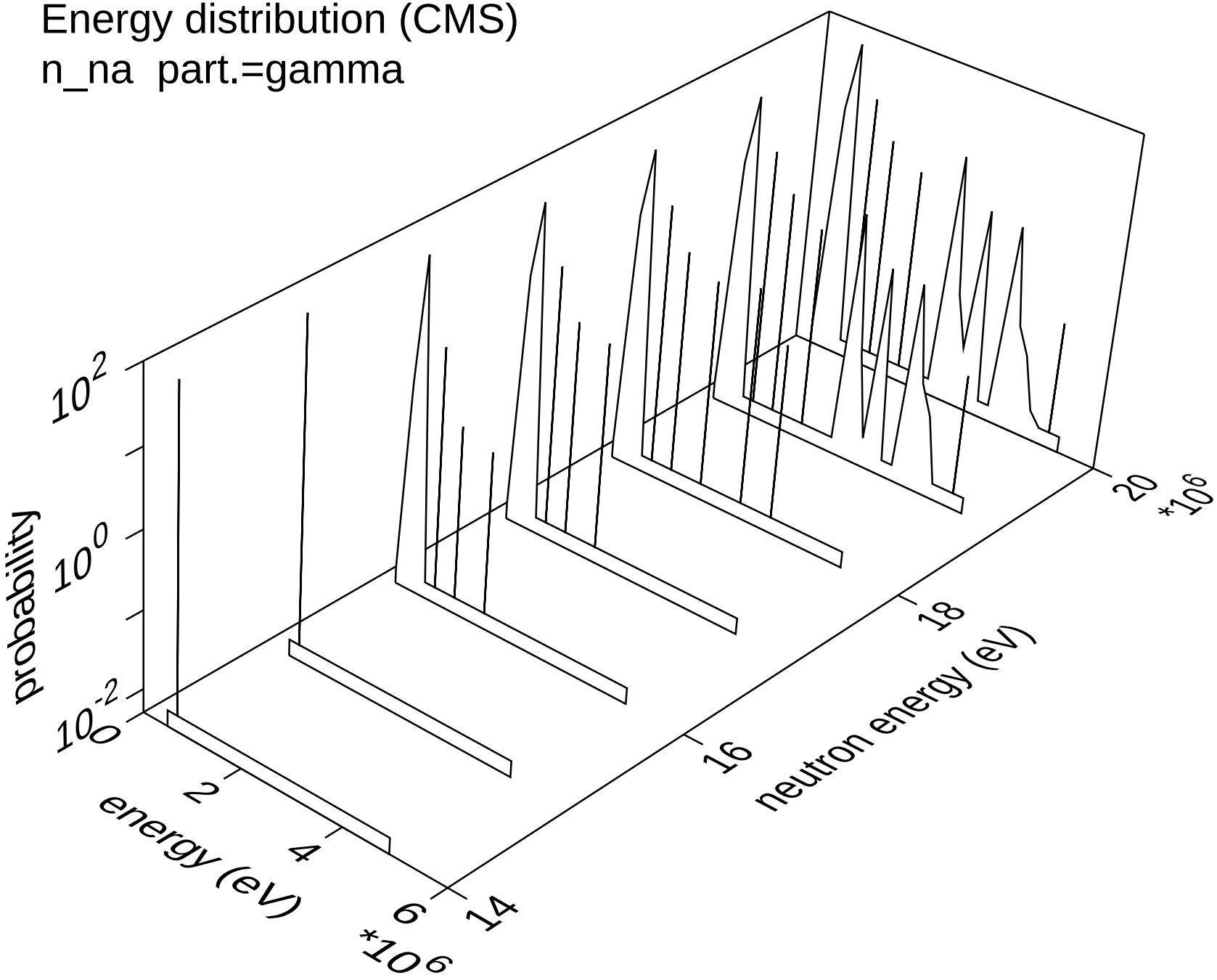

Angular distribution (CMS)
n_a_9
probability
10^0
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
10
15
20
*10^6
neutron energy (eV)

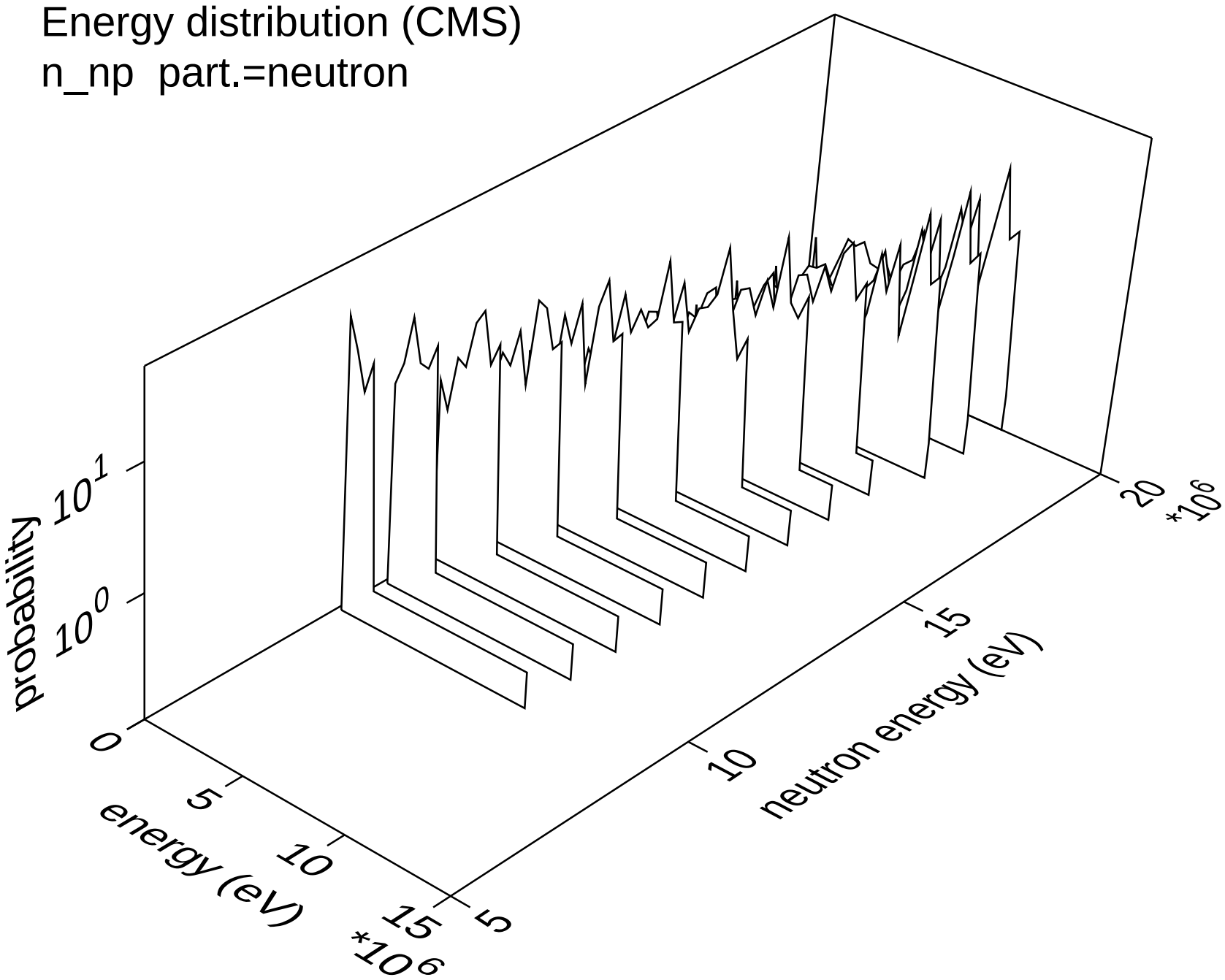

Angular distribution (CMS)
n_a_10
probability
10^0
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
10
12
14
16
18
20
*10^6
neutron energy (eV)

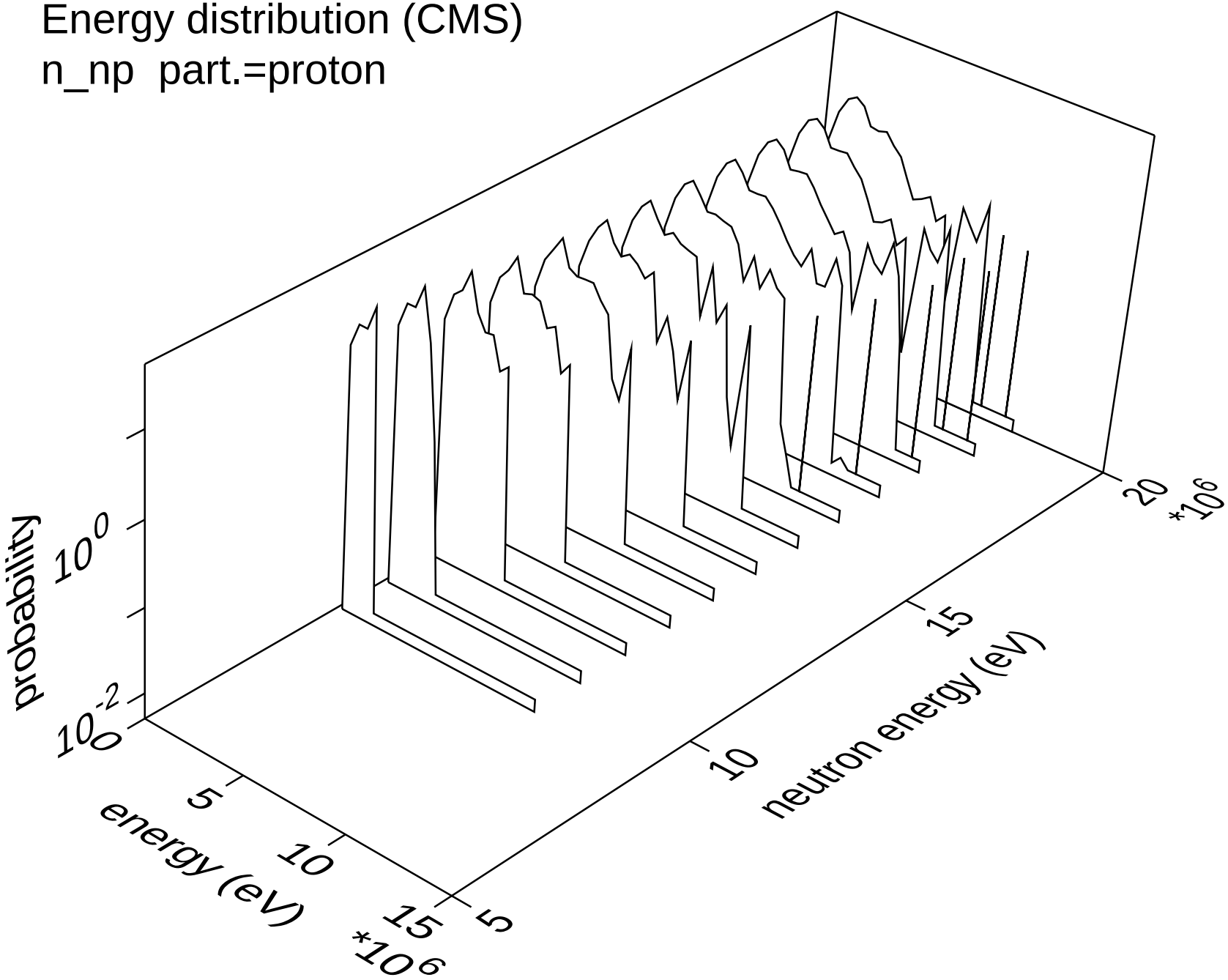

Energy distribution (CMS)
n_2n
probability
10^{1}
10^{0}
10^{-1}
0
2
4
6
8
12
energy (eV)
*10 6
14
16
18
20
*10^6
neutron energy (eV)

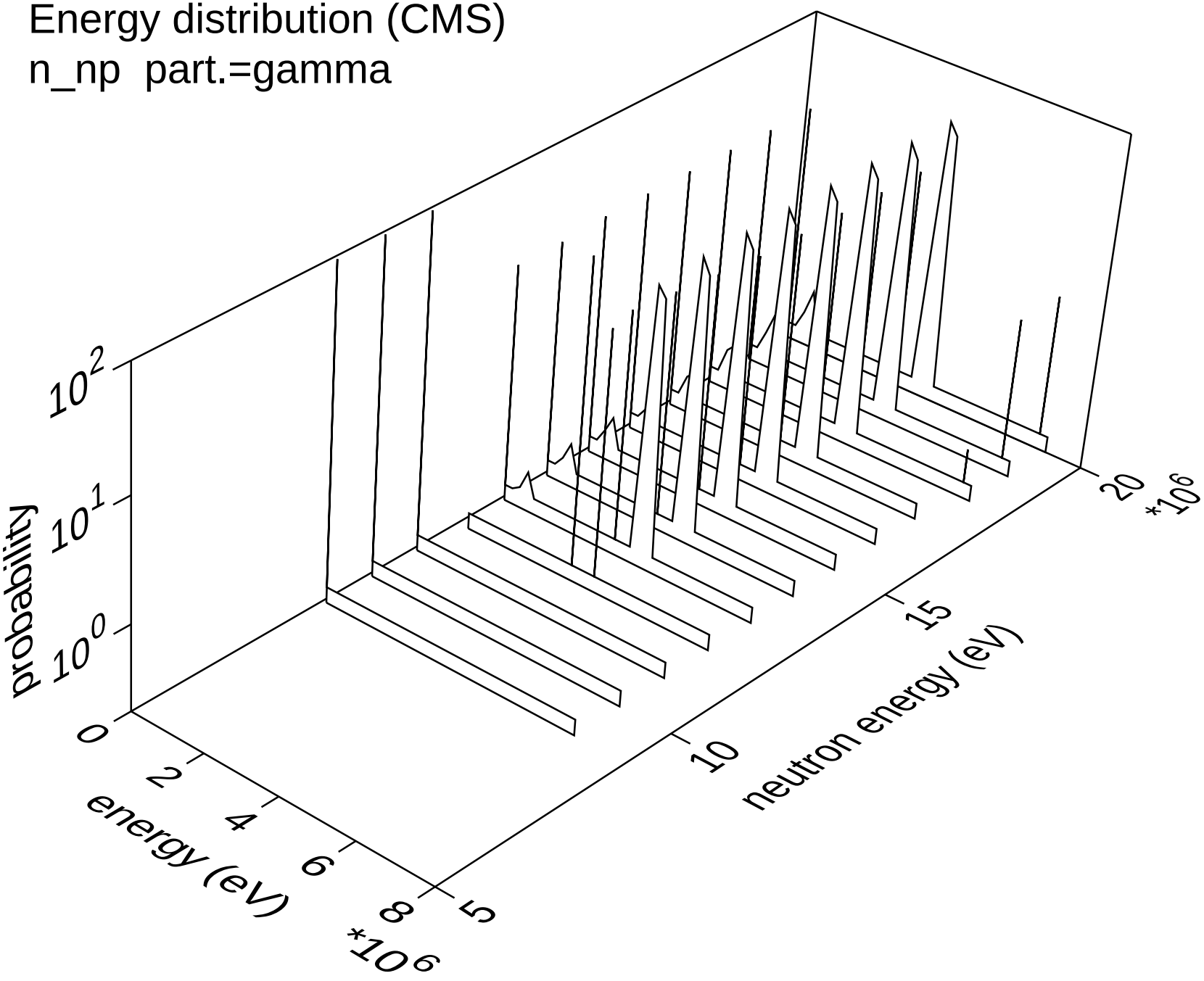

Energy distribution (CMS)
n_na part.=neutron
probability
10^{1}
10^{0}
10^{-1}
10^{-2}
0
2
4
6
8
*10 6
energy (eV)
14
16
18
20
*10⁶
neutron energy (eV)

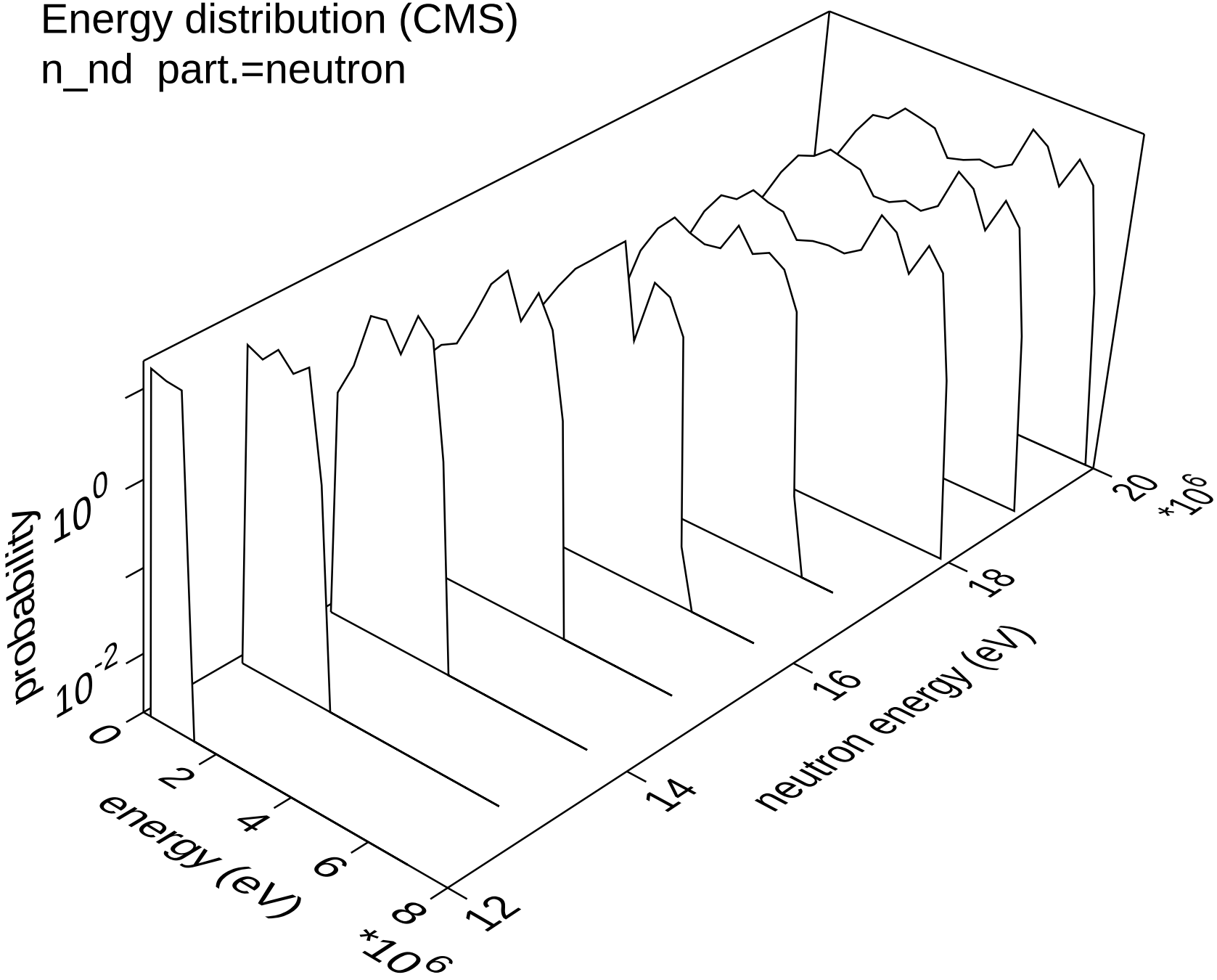

Energy distribution (CMS)
n_na part.=alpha
probability
10^0
10^{-2}
0
2
4
6
*10^6
energy (eV)
14
16
18
20
*10^6
neutron energy (eV)

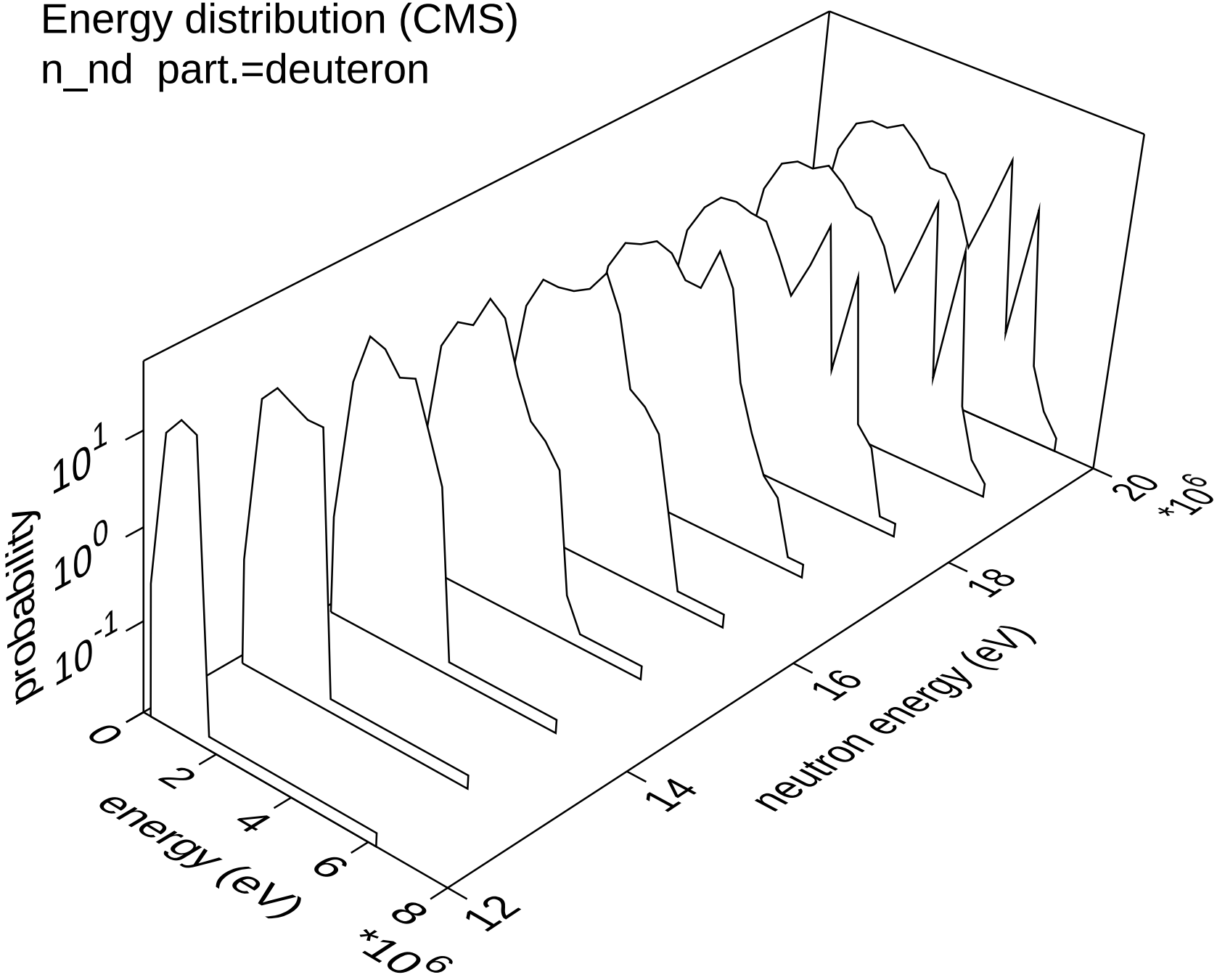

Energy distribution (CMS)
n_na part.=gamma
probability
10^{2}
10^{0}
10^{-2}
0
2
4
6
*10^6
energy (eV)
14
16
18
20
*10^6
neutron energy (eV)

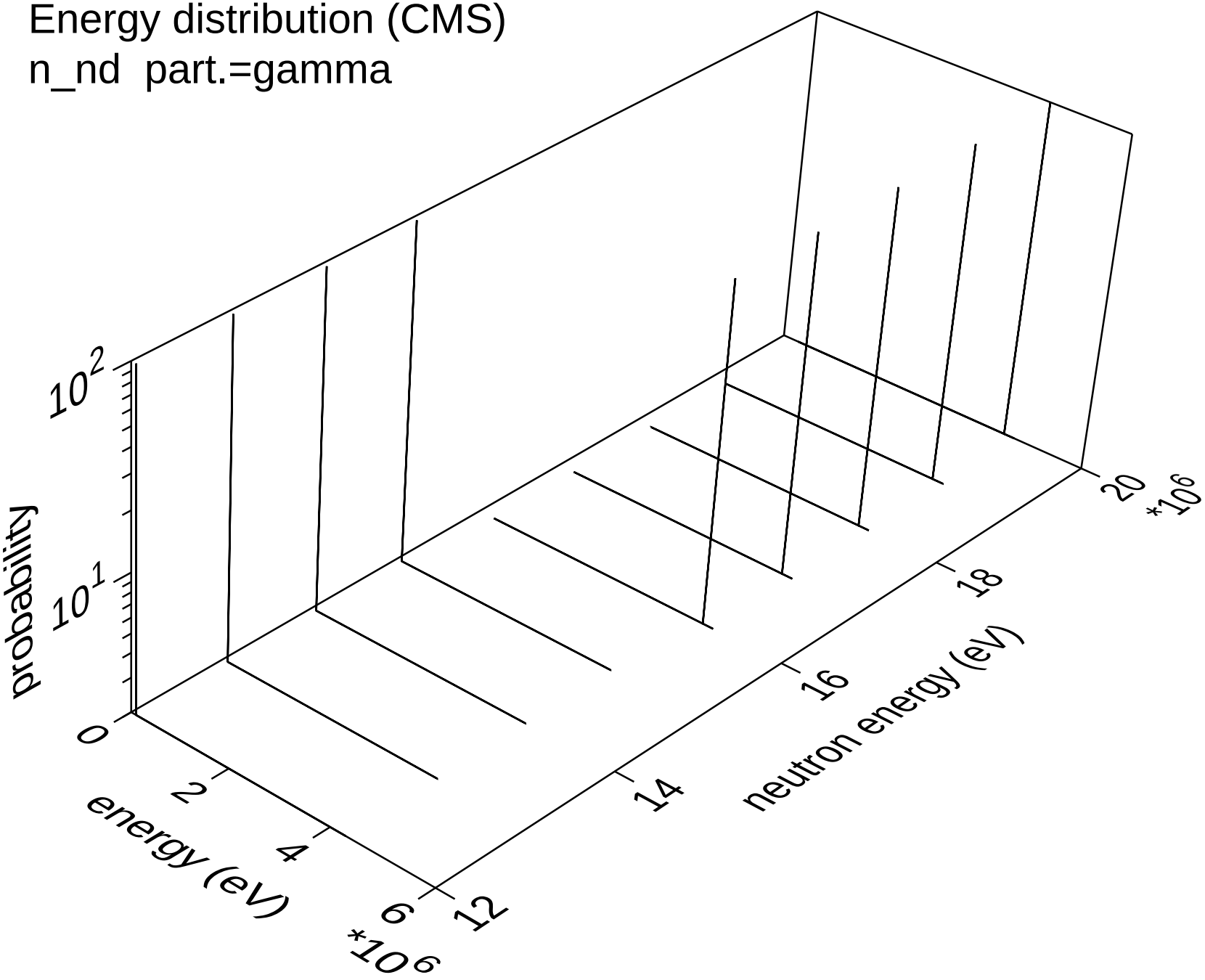

Energy distribution (CMS)
n_np part.=neutron
probability
10^1
10^0
0
5
10
15
*10^6
energy (eV)
5
10
15
20
*10^6
neutron energy (eV)

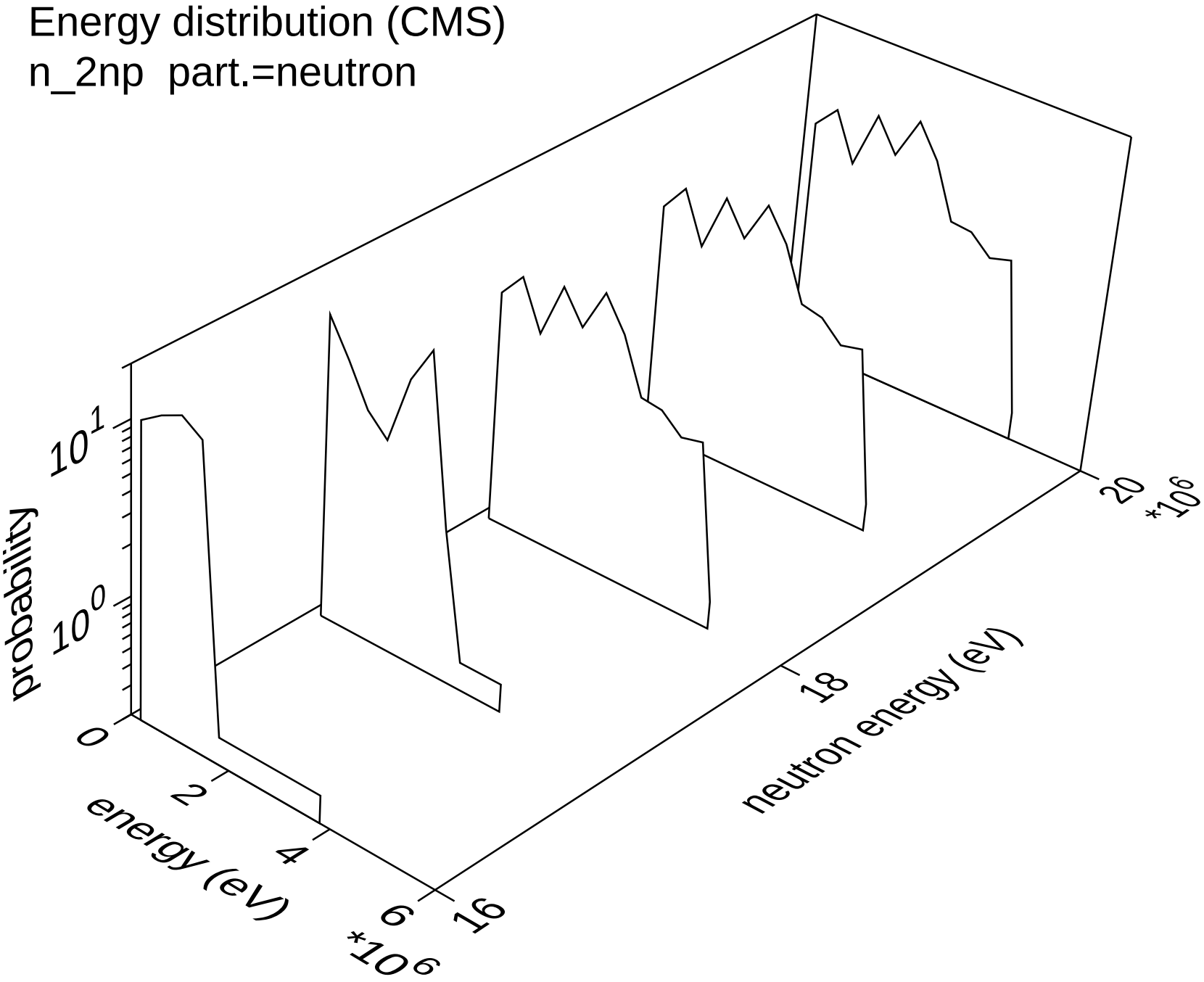

Energy distribution (CMS)
n_np part.=proton
probability
10^{0}
10^{-2}
0
5
10
15
*10^6
energy (eV)
5
10
15
20
*10^6
neutron energy (eV)

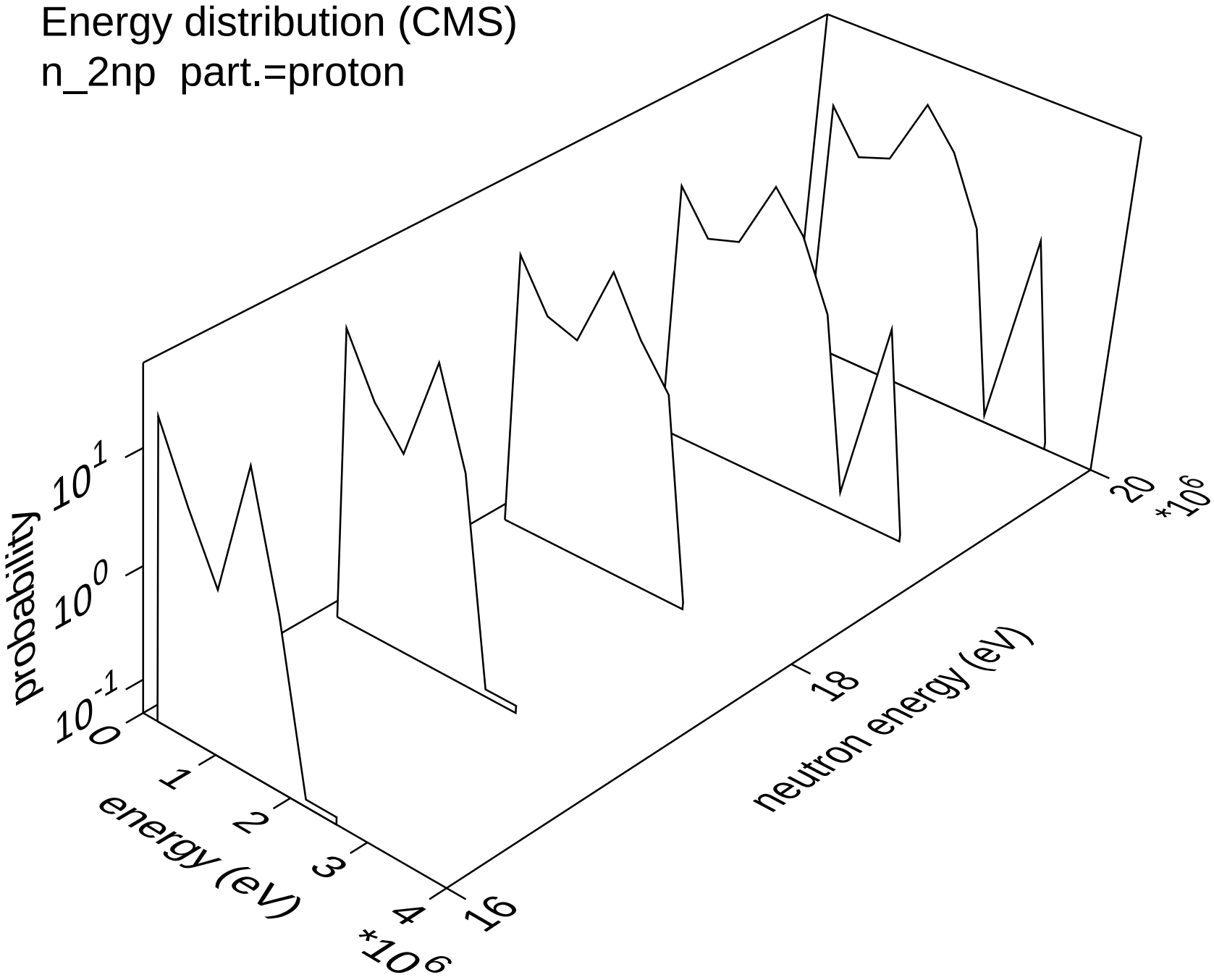

Energy distribution (CMS)
n_np part.=gamma
probability
10^2
10^1
10^0
0
2
4
6
8
*10 6
energy (eV)
5
10
15
20
*10^6
neutron energy (eV)

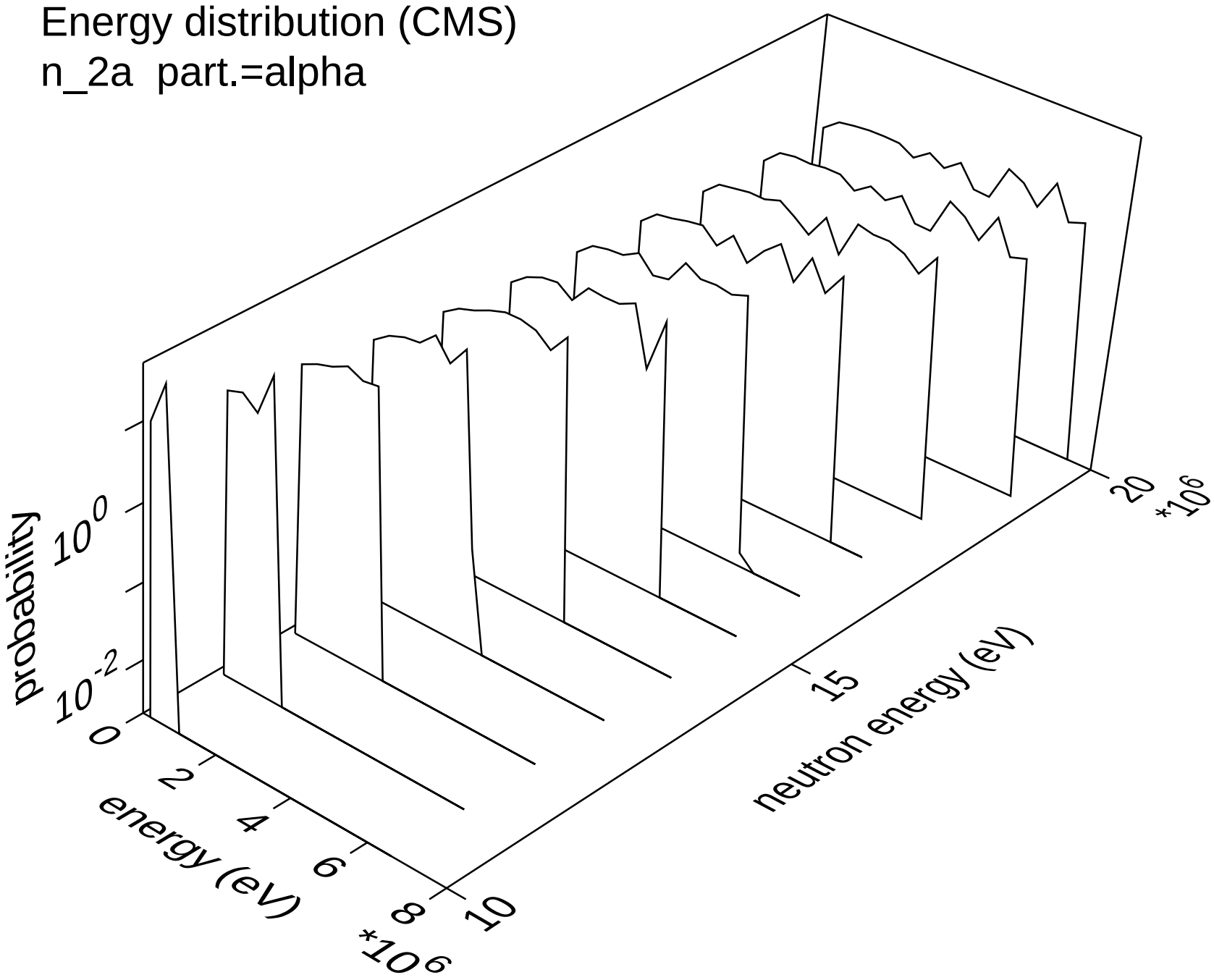

Energy distribution (CMS)
n_nd part.=neutron
probability
10^0
10^{-2}
0
2
4
6
8
*10 6
energy (eV)
12
14
16
18
20
*10^6
neutron energy (eV)

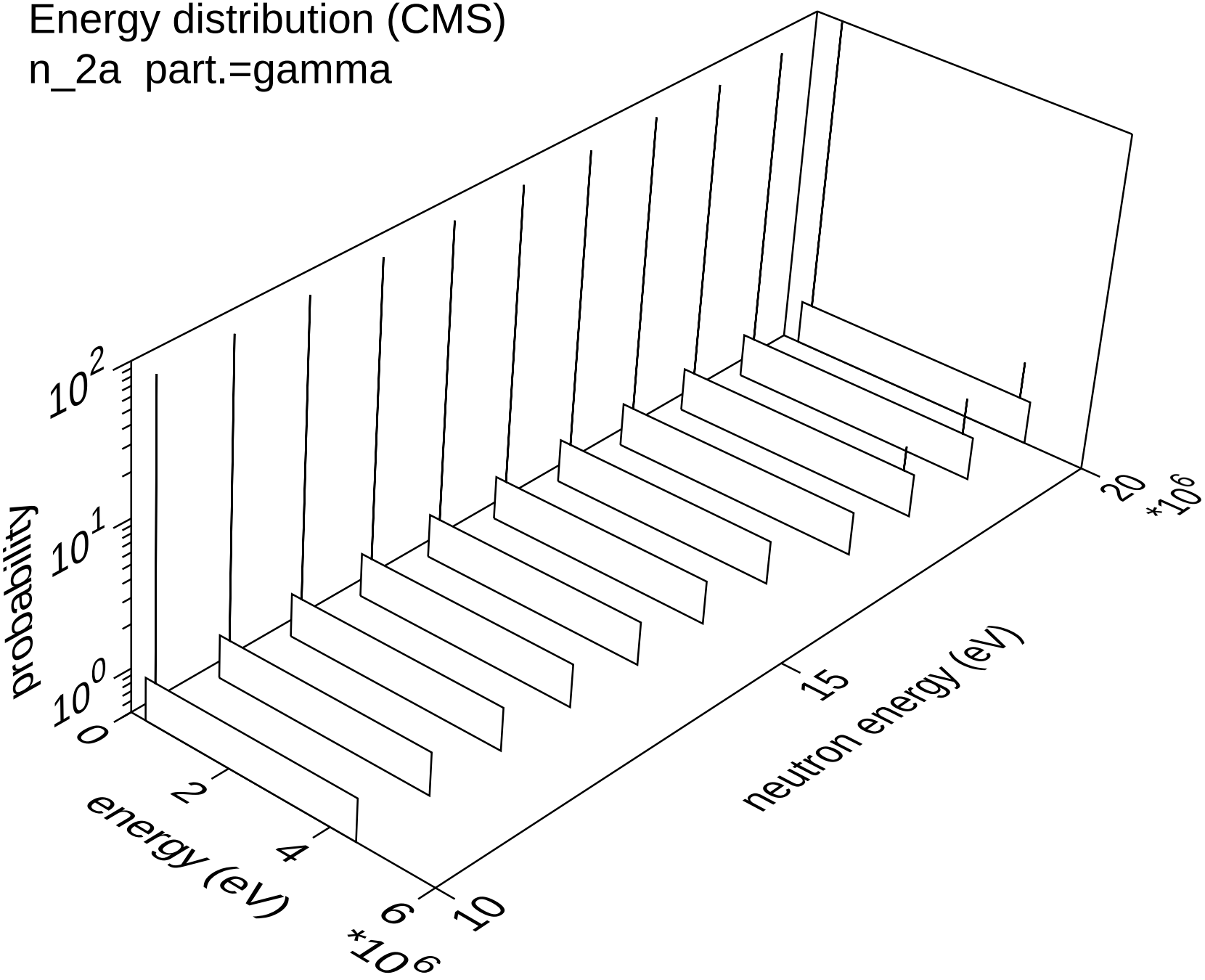

Energy distribution (CMS)
n_nd part.=deuteron
probability
10^{1}
10^{0}
10^{-1}
0
2
4
6
8
*10 6
energy (eV)
12
14
16
18
20
*10^6
neutron energy (eV)

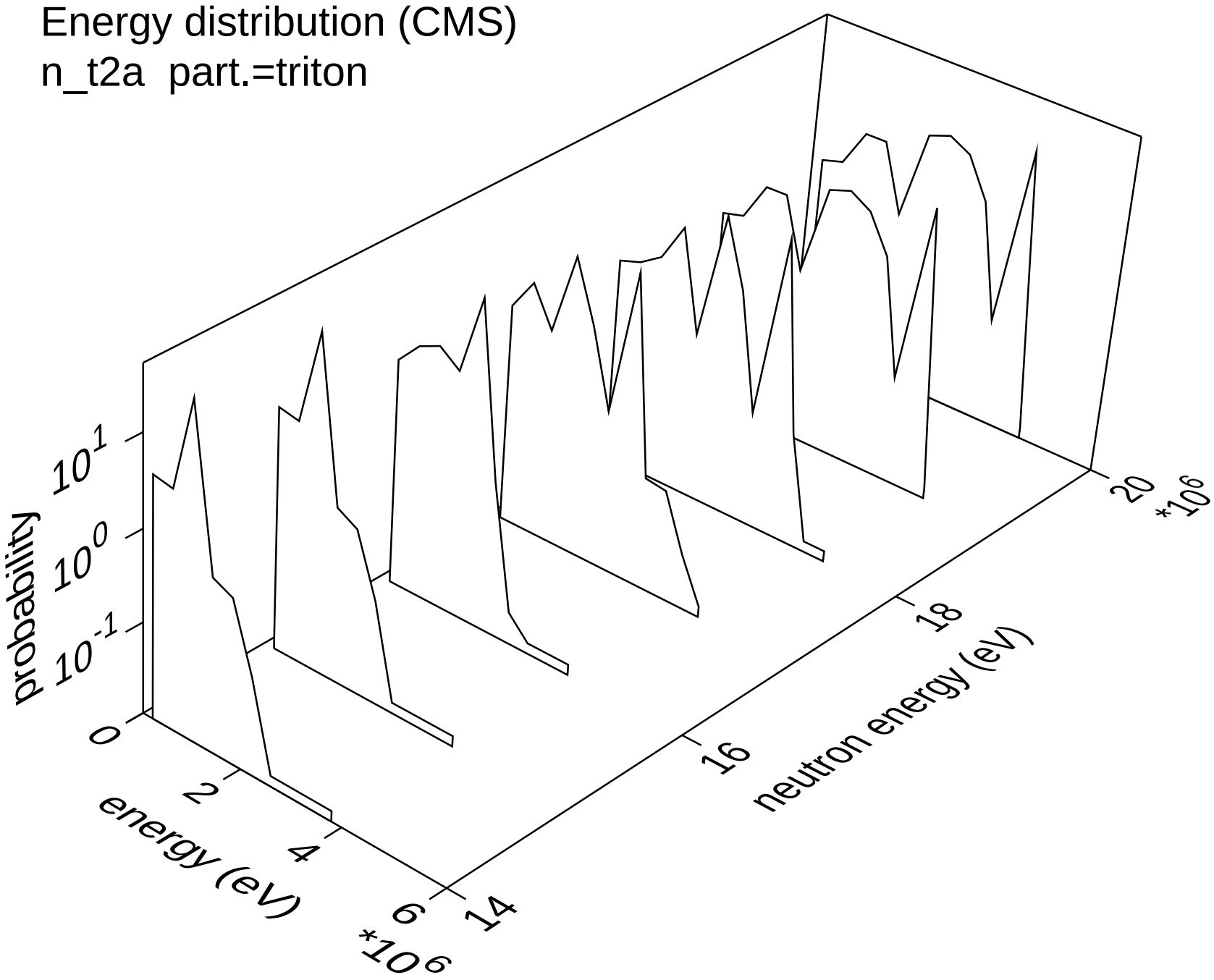

Energy distribution (CMS)
n_nd part.=gamma
probability
10^2
10^1
0
energy (eV)
2
4
6
*10 6
12
14
16
18
neutron energy (eV)
20
*10 6

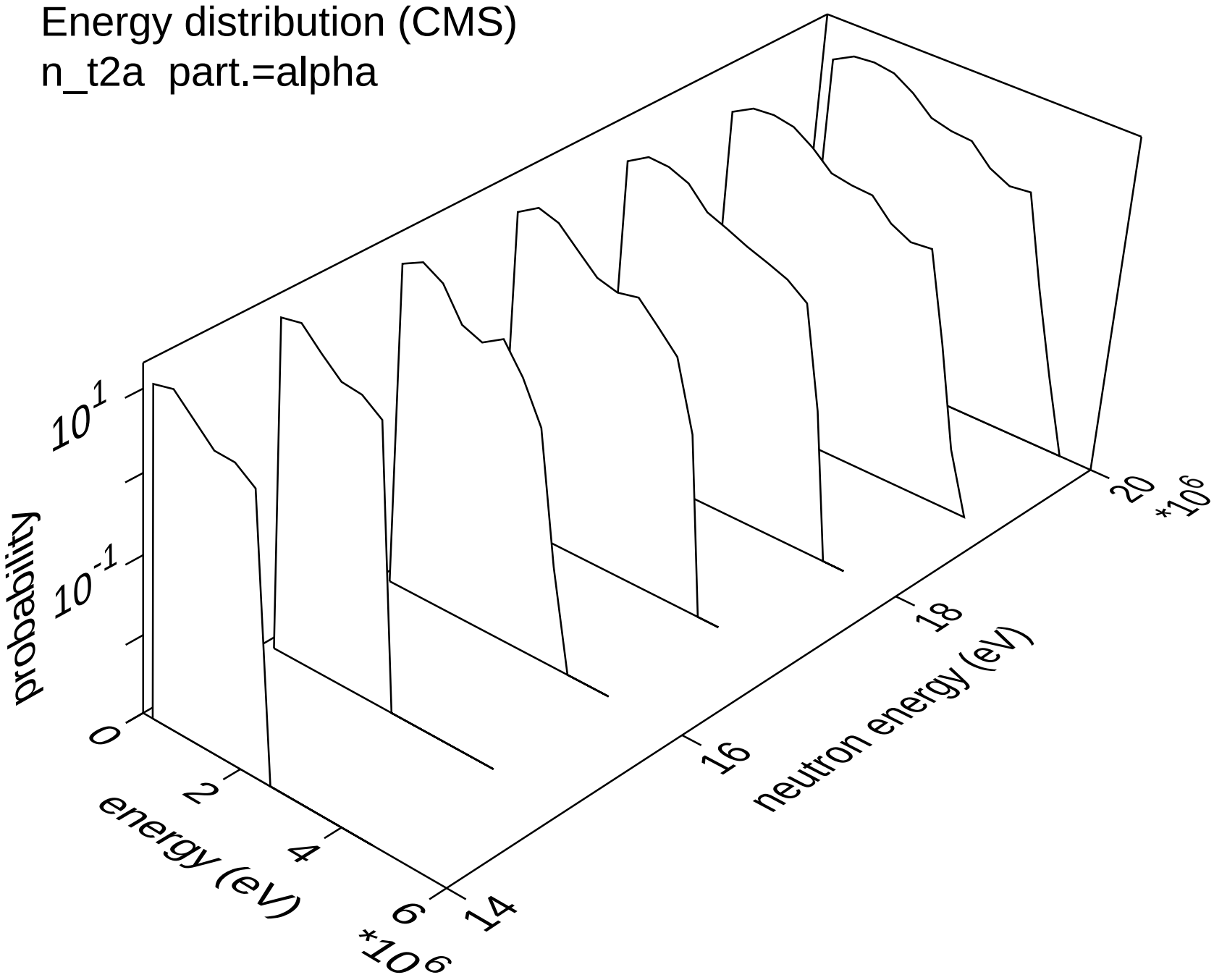

Energy distribution (CMS)
n_2np part.=neutron
probability
10^1
10^0
0
2
4
6
*10^6
energy (eV)
16
18
20
*10^6
neutron energy (eV)

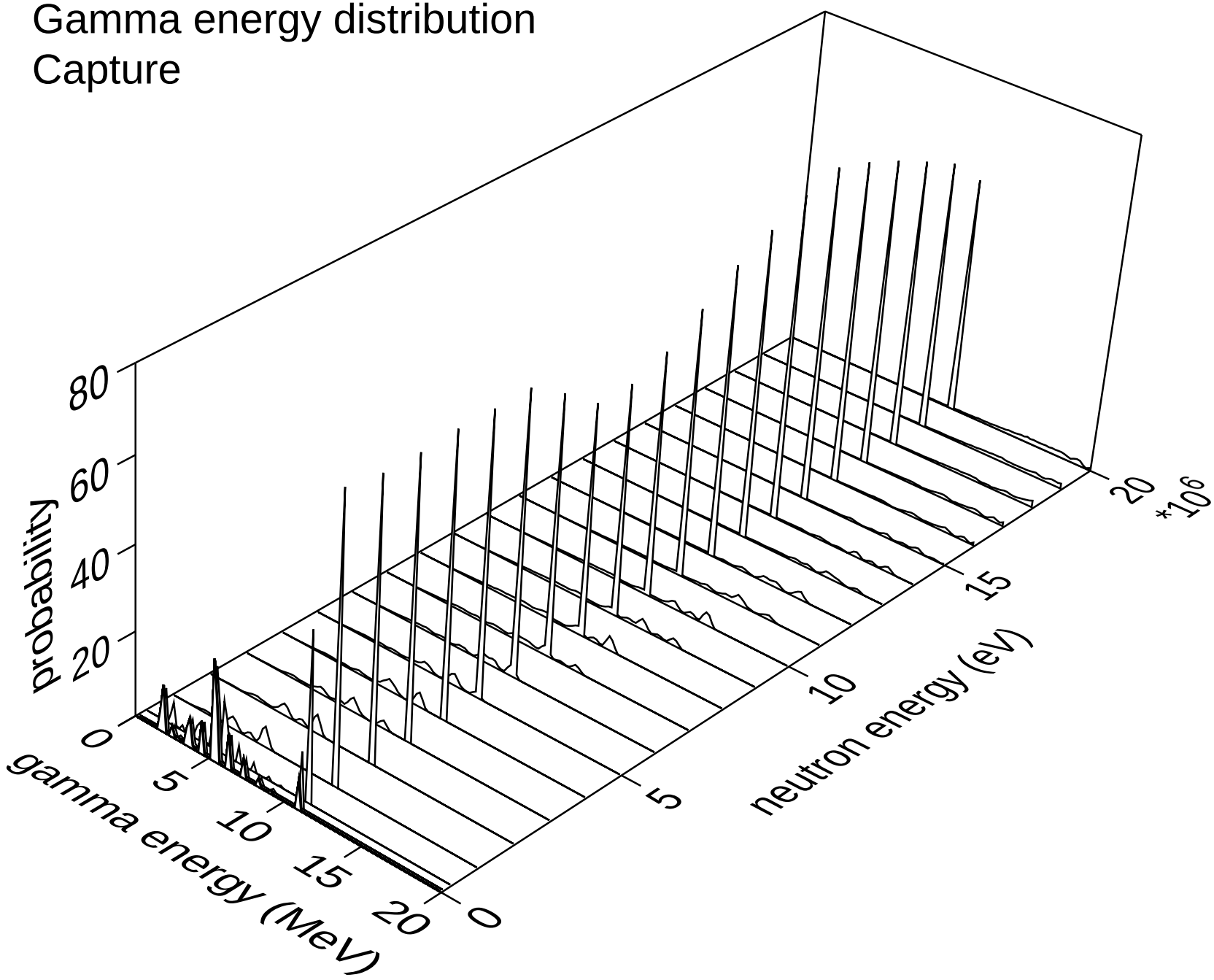

Energy distribution (CMS)
n_2np part.=proton
probability
10^{1}
10^{0}
10^{-1}
0
1
2
3
4
*10 6
energy (eV)
16
18
20
*10^6
neutron energy (eV)

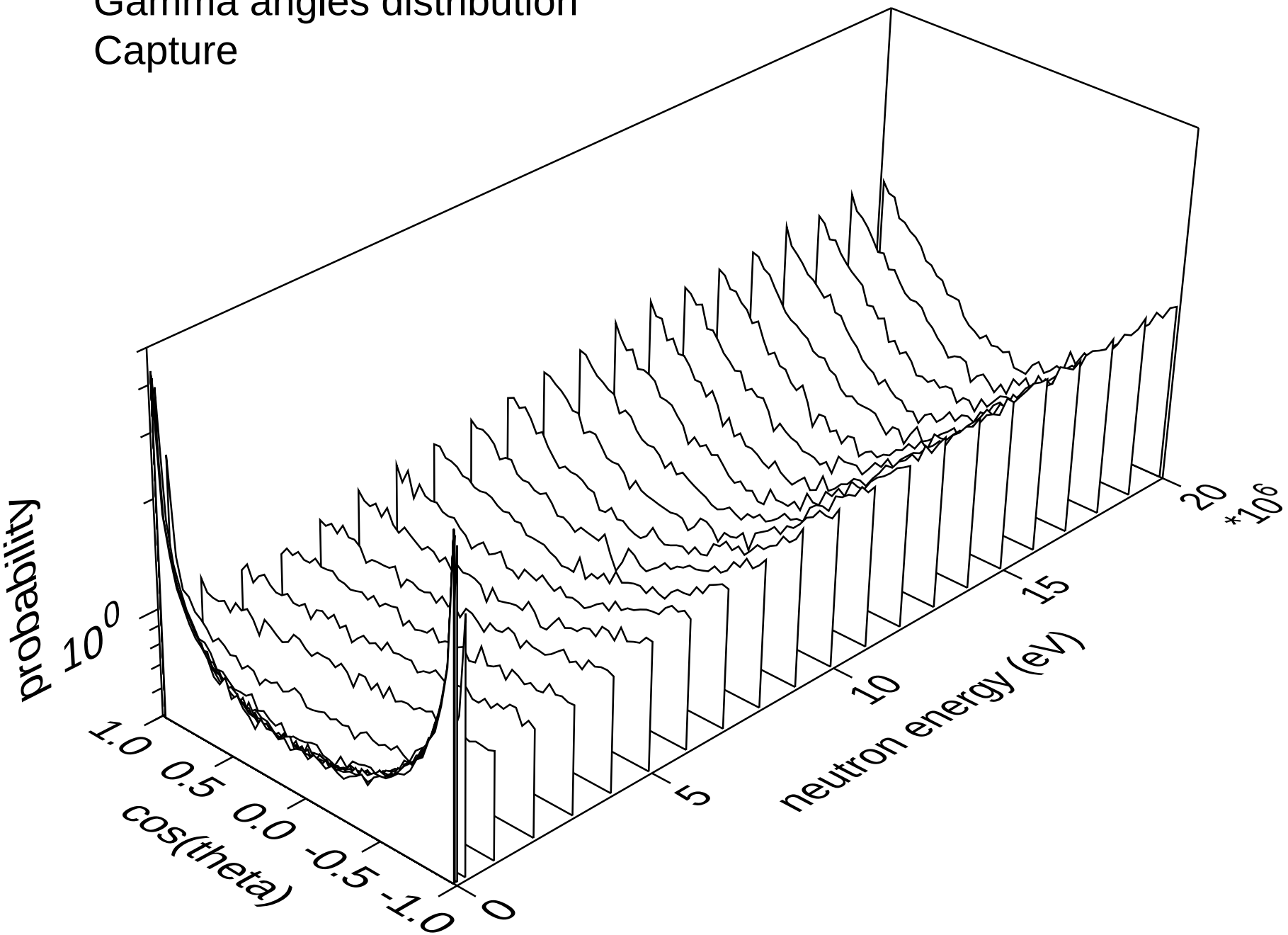

Energy distribution (CMS)
n_2a part.=alpha
probability
10^0
10^{-2}
0
2
4
6
8
10
*10 6
energy (eV)
15
20
*10^6
neutron energy (eV)


Energy distribution (CMS)
n_2a part.=gamma
probability
10^2
10^1
10^0
0
2
4
6
*10^6
energy (eV)
10
15
20
*10^6
neutron energy (eV)

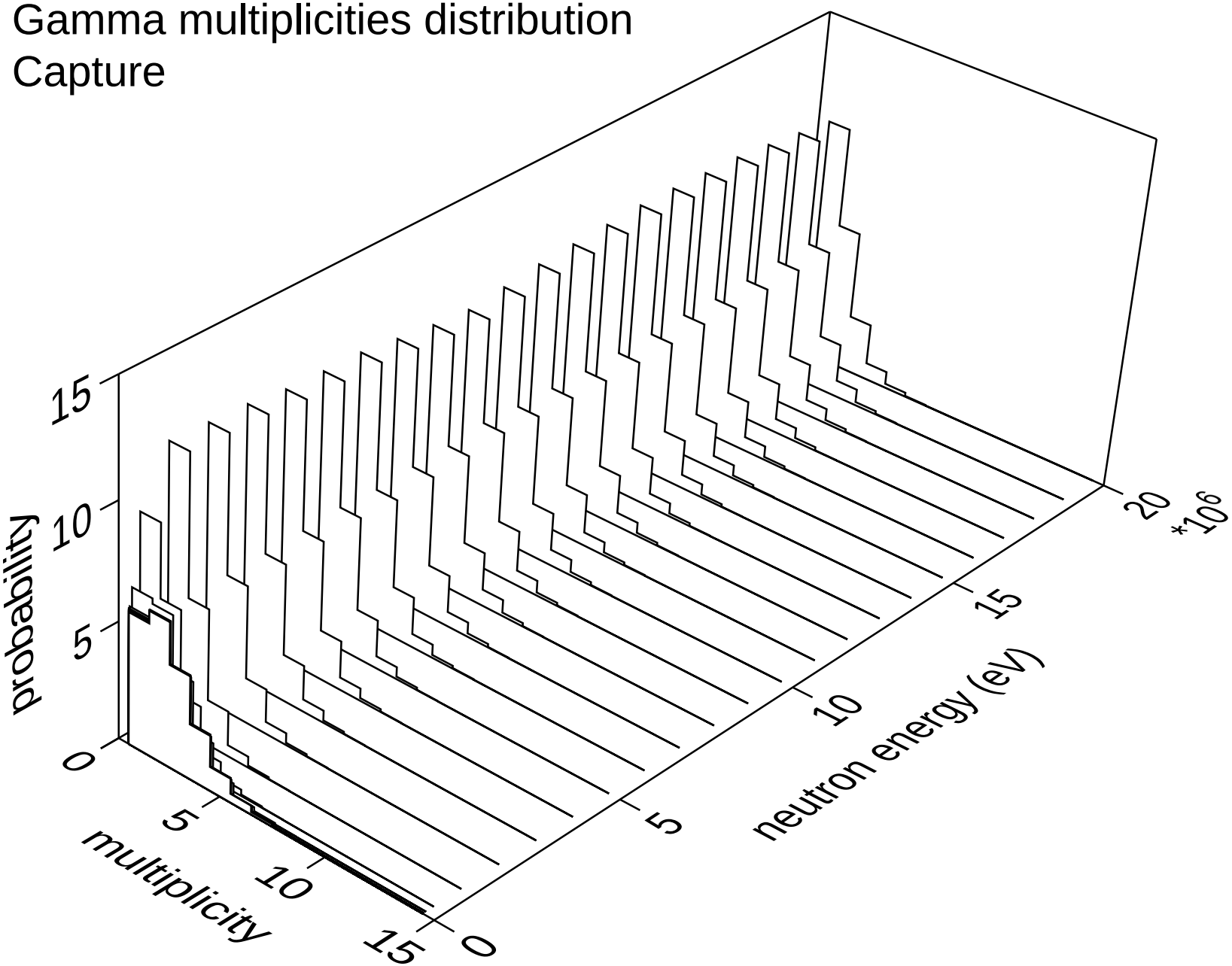

Energy distribution (CMS)
n_t2a part.=triton
probability
10^{1}
10^{0}
10^{-1}
0
2
4
6
*10^6
energy (eV)
14
16
18
20
*10^6
neutron energy (eV)

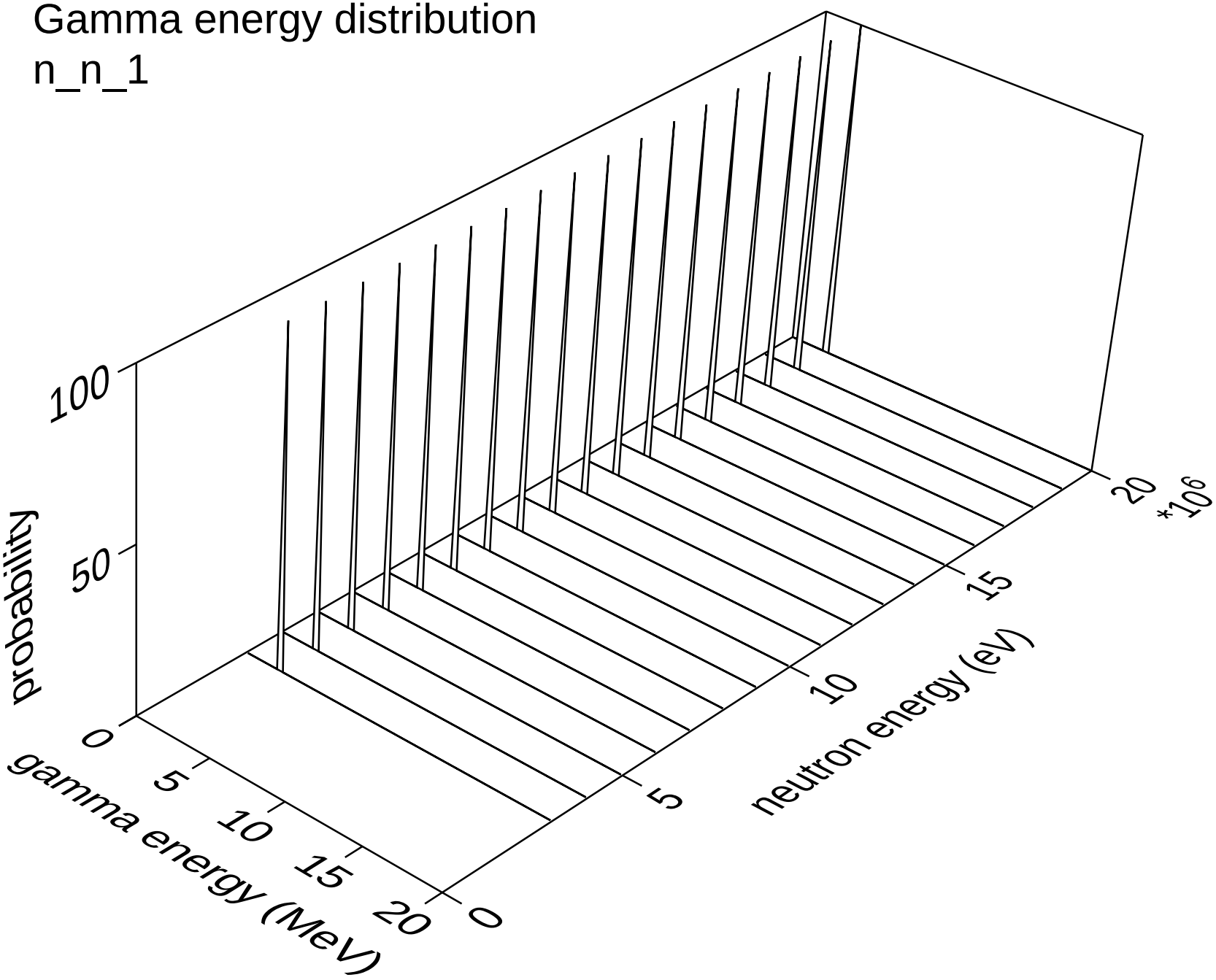

Energy distribution (CMS)
n_t2a part.=alpha
probability
10^{1}
10^{-1}
0
2
4
6
*10^6
energy (eV)
14
16
18
20
*10^6
neutron energy (eV)

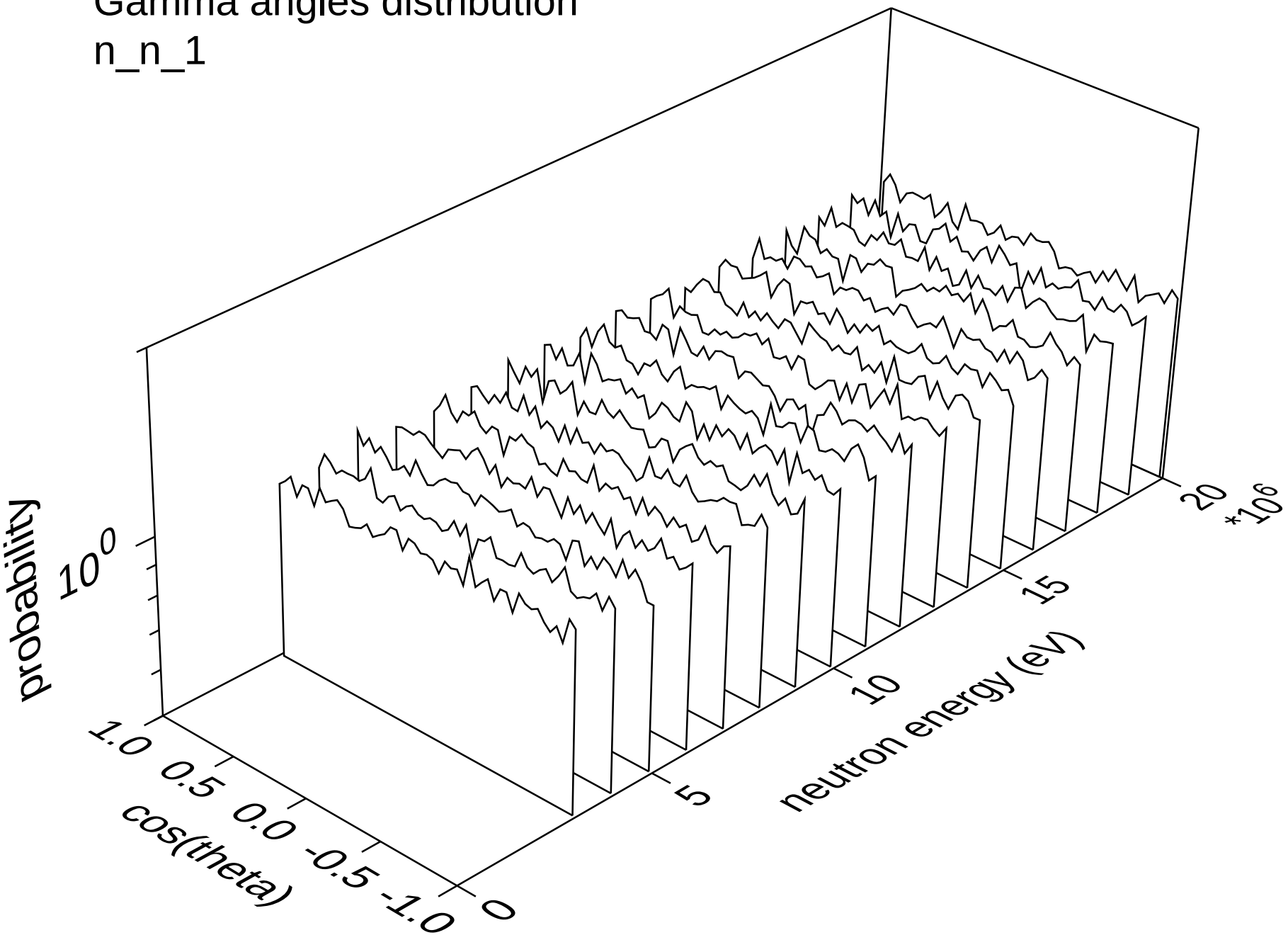

Gamma energy distribution
Capture
probability
80
60
40
20
0
gamma energy (MeV)
0
5
10
15
20
neutron energy (eV)
0
5
10
15
20
*10^6


Gamma angles distribution
Capture
probability
10^0
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
0
5
10
15
20
neutron energy (eV)
*10^6

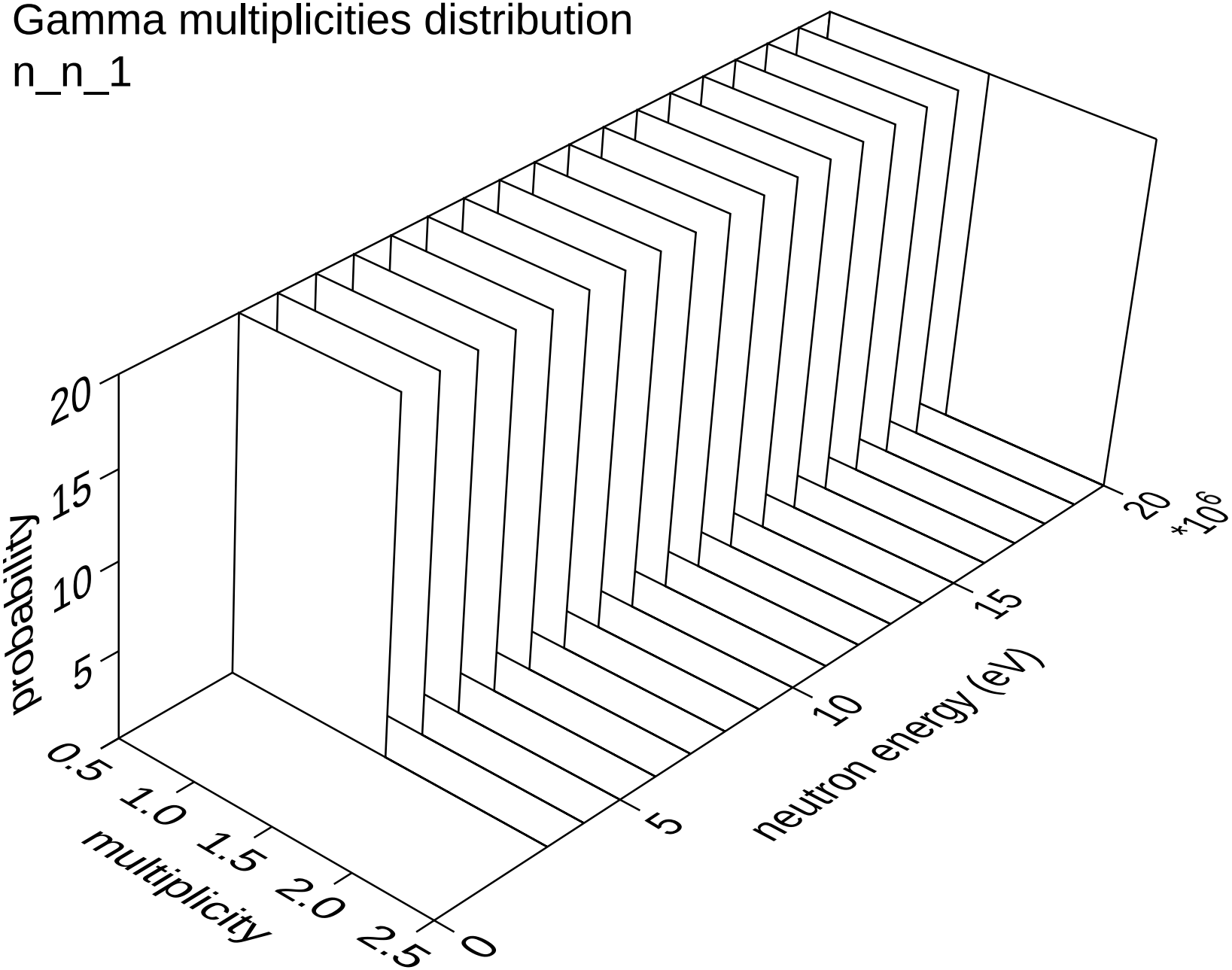
Gamma multiplicities distribution
Capture

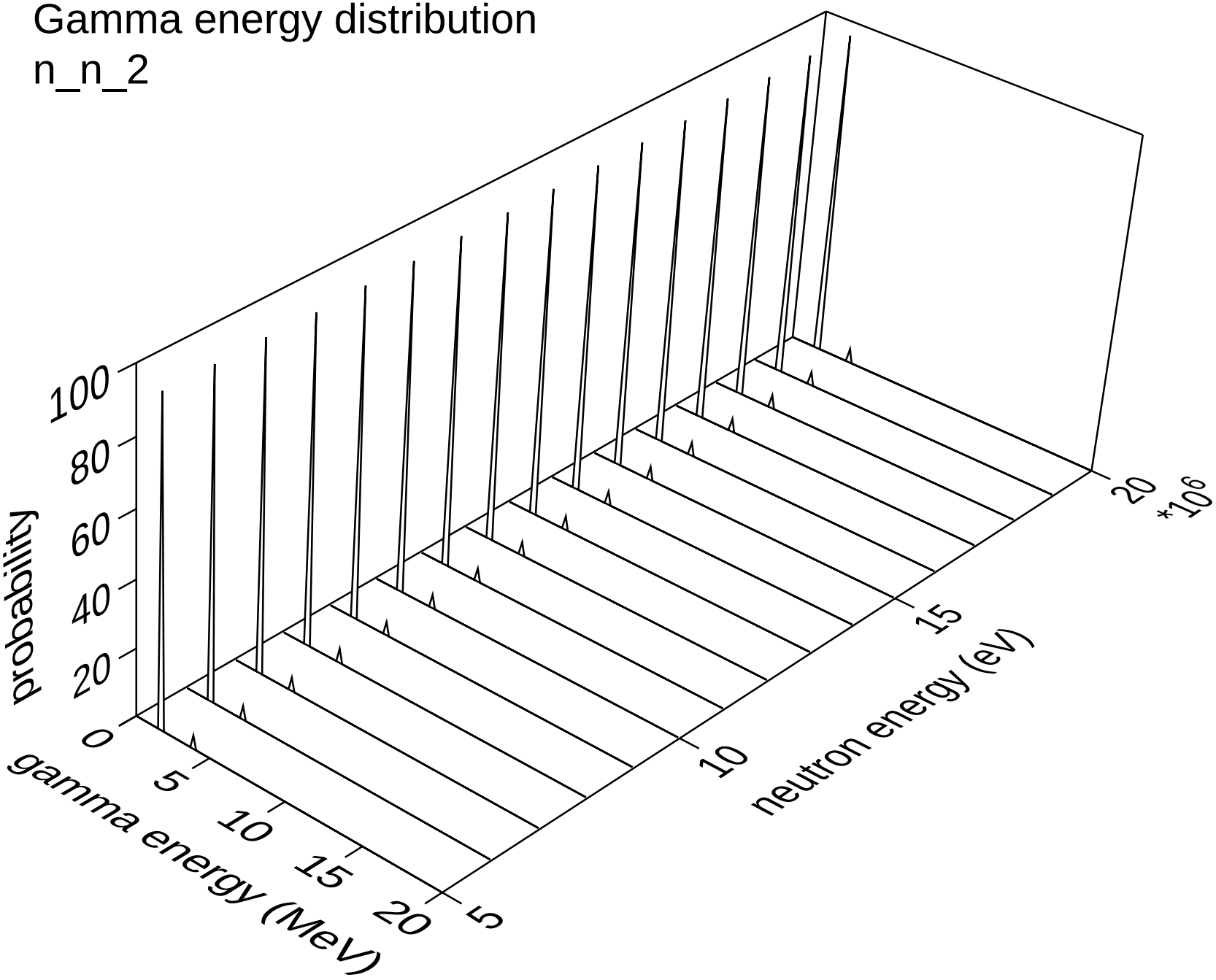


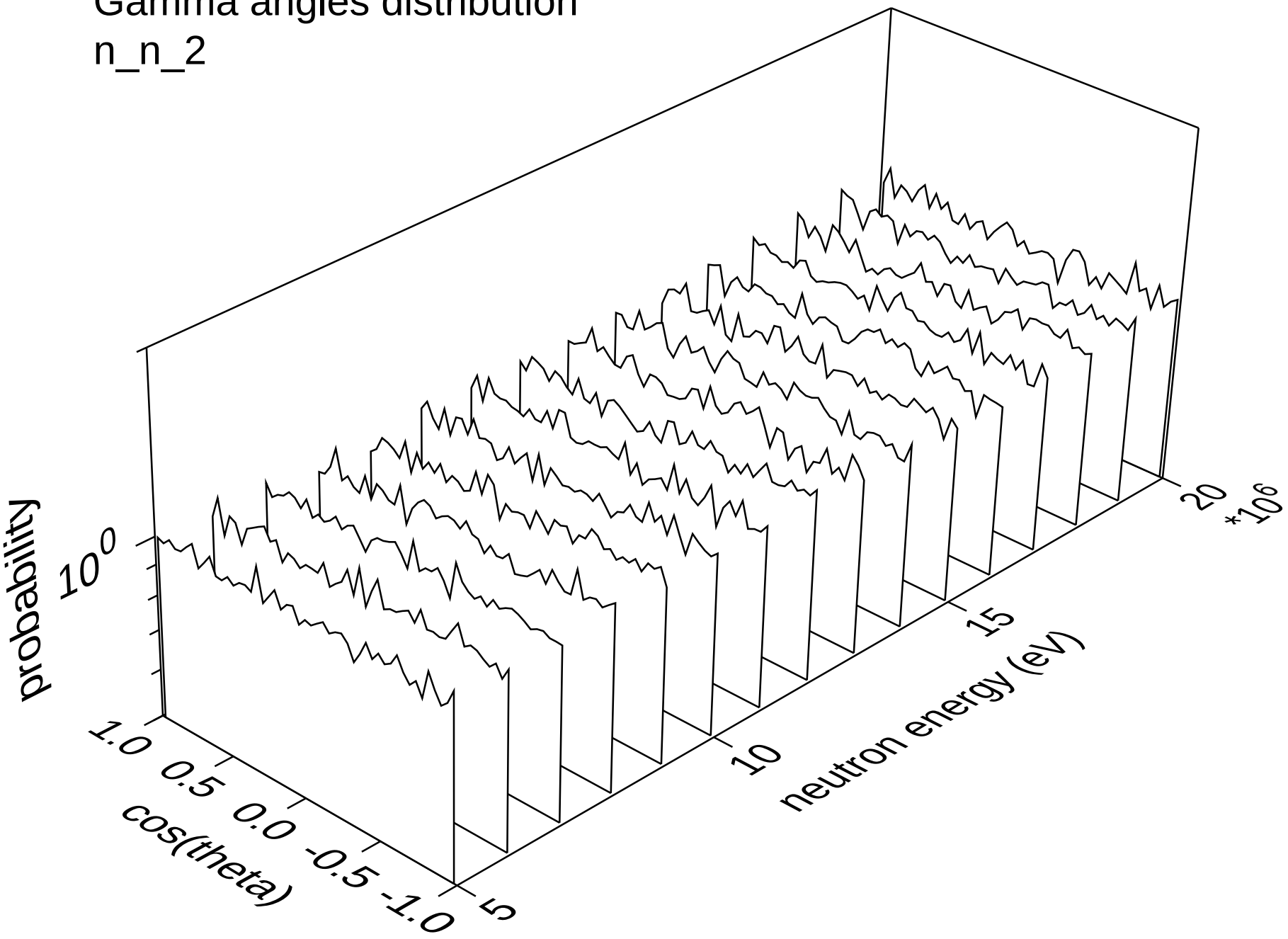

Gamma energy distribution
n_n_1
probability
100
50
0
gamma energy (MeV)
0
5
10
15
20
neutron energy (eV)
0
5
10
15
20
*10^6


Gamma angles distribution
n_n_1
probability
10^0
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
0
5
10
15
20
*10^6
neutron energy (eV)

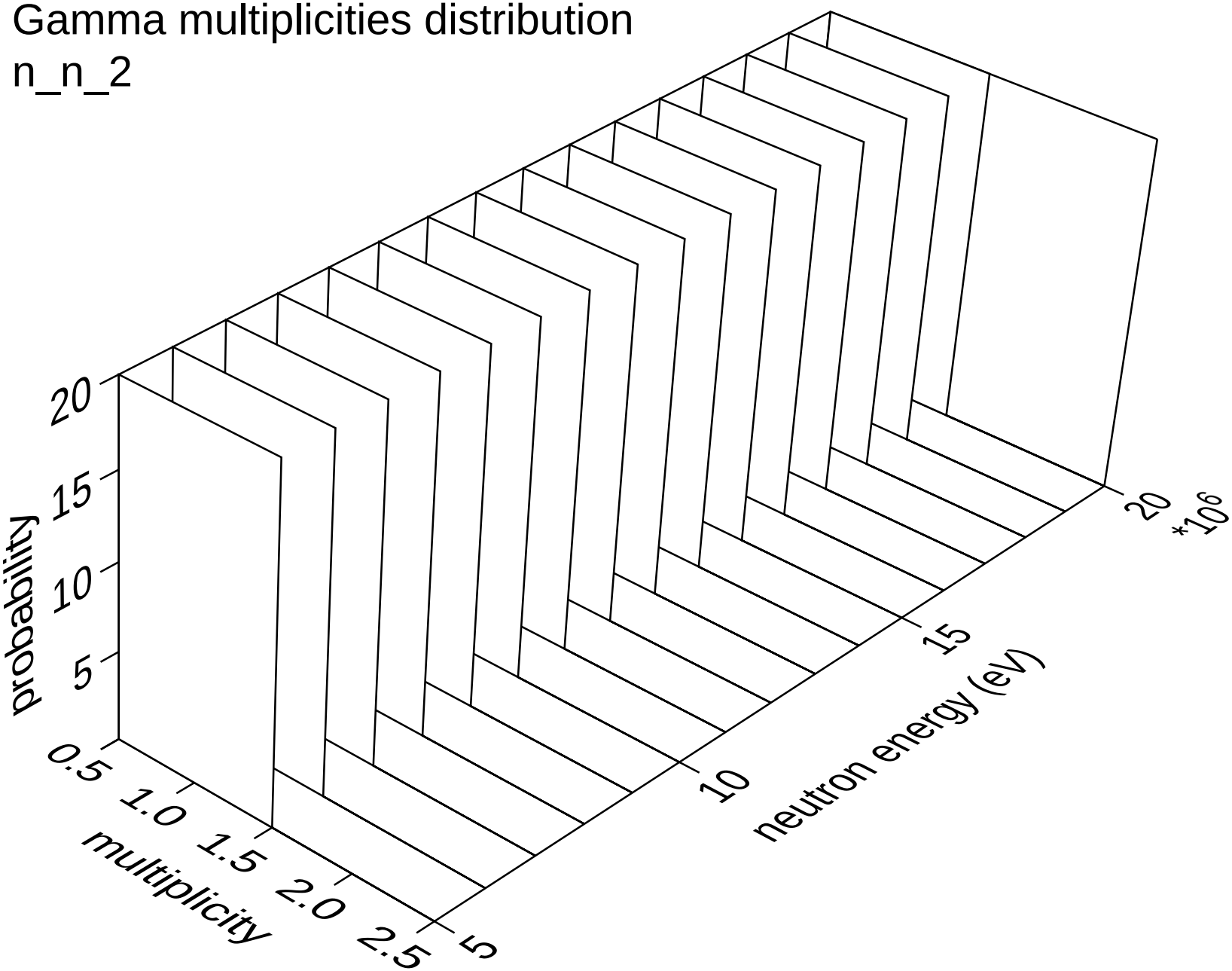
Gamma multiplicities distribution
n_n_1

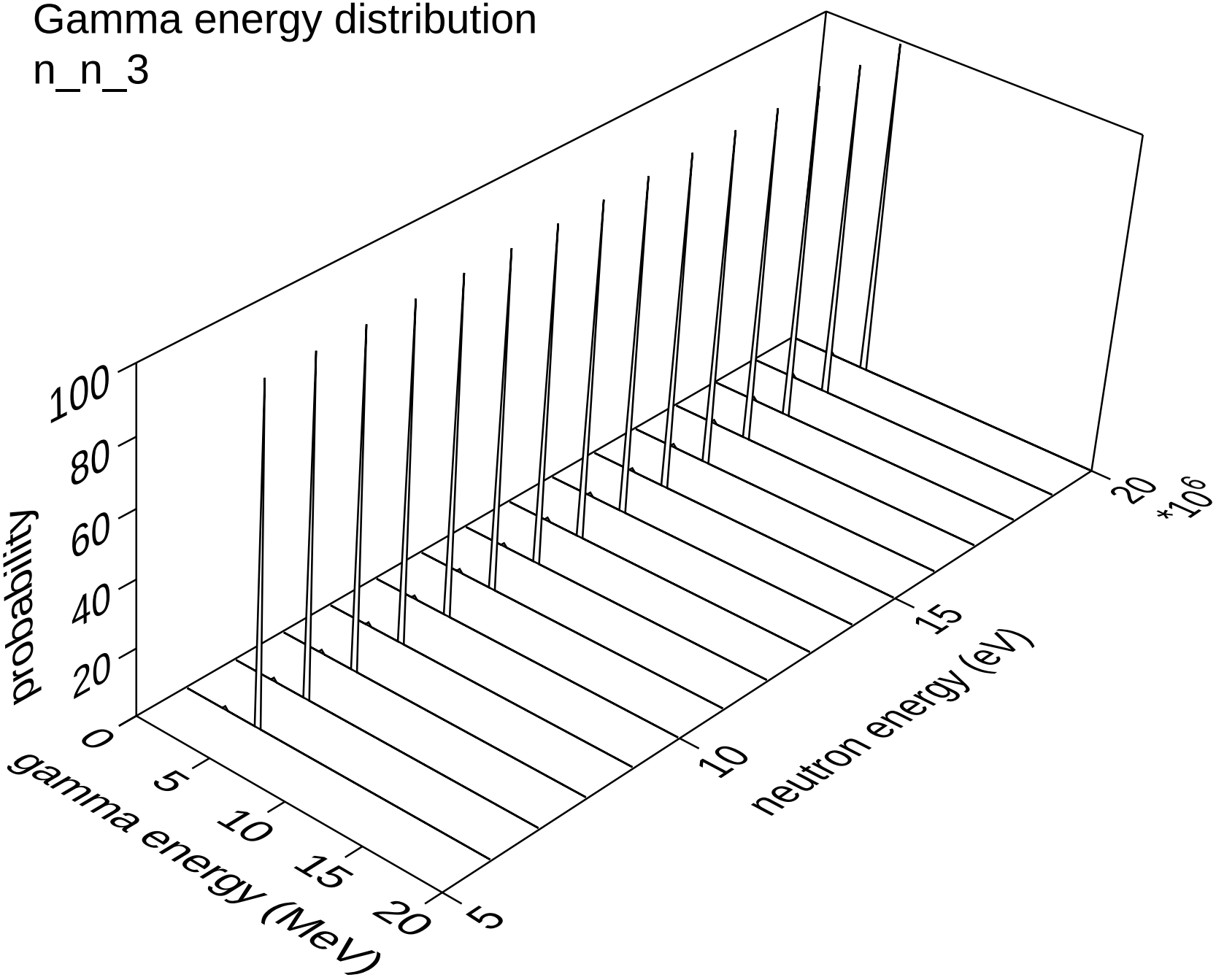


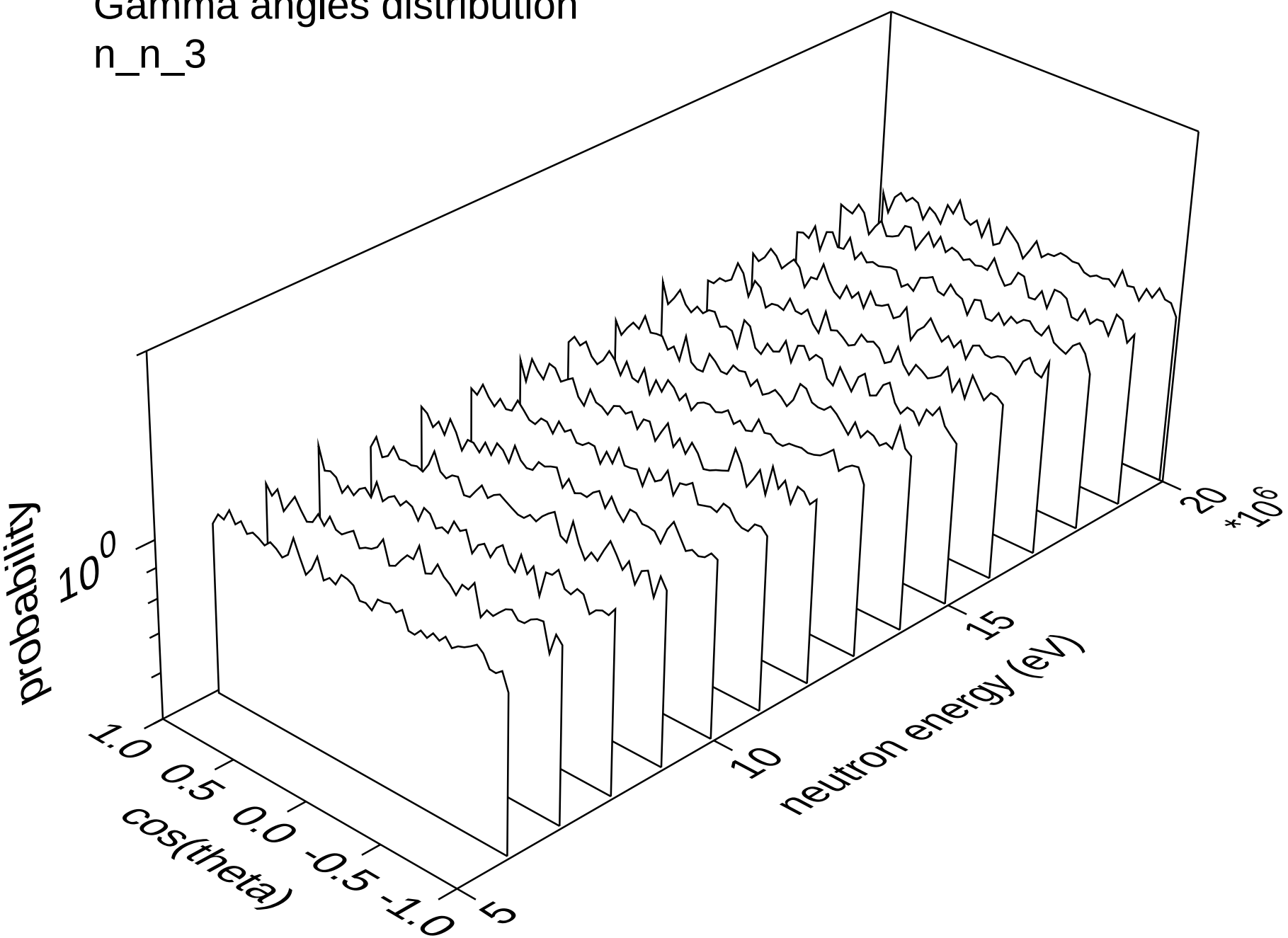

Gamma energy distribution
n_n_2
probability
0
20
40
60
80
100
gamma energy (MeV)
5
10
15
20
neutron energy (eV)
10
15
20
*10^6


Gamma angles distribution
n_n_2
probability
10^0
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
5
10
15
20
*10^6
neutron energy (eV)

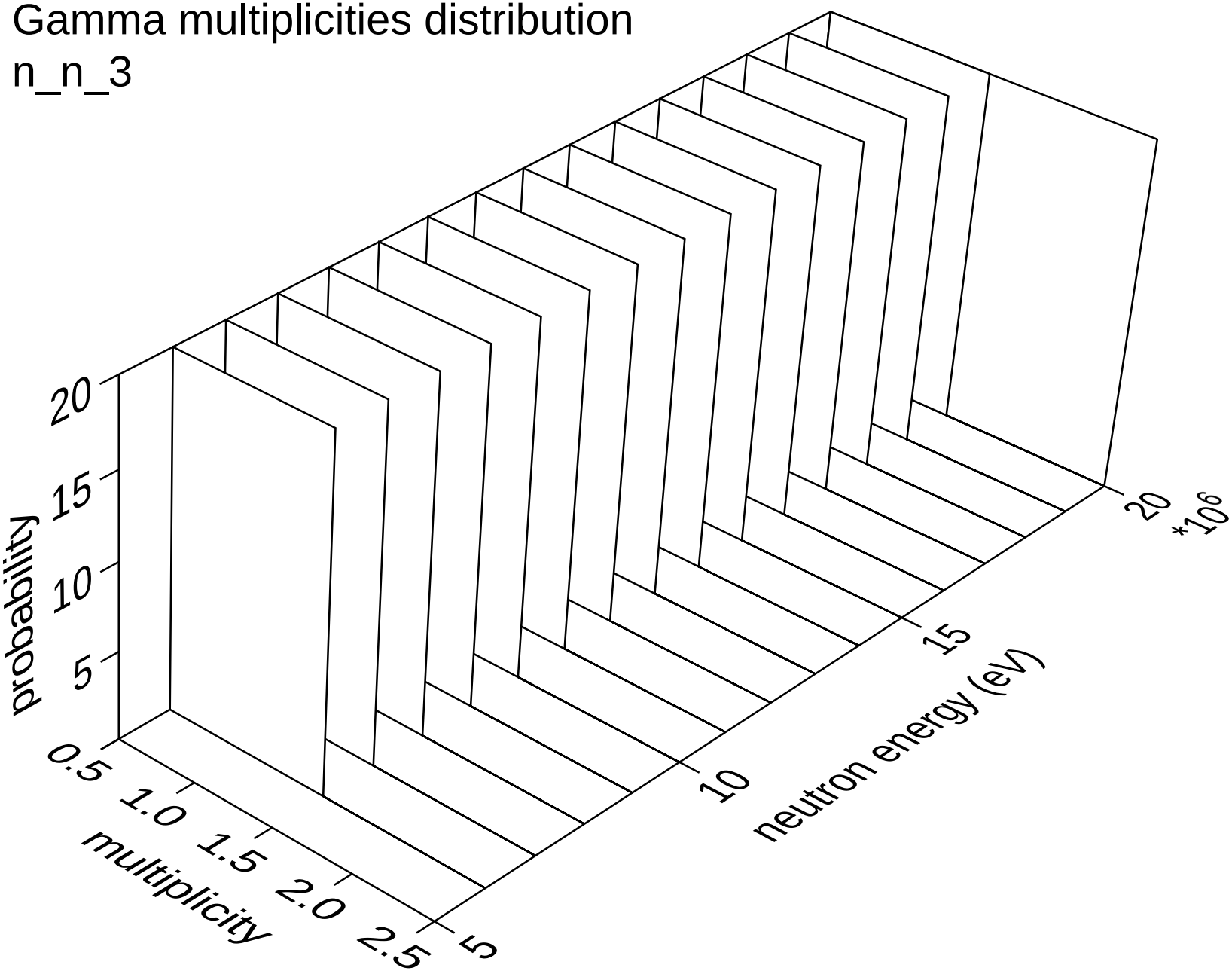
Gamma multiplicities distribution
n_n_2

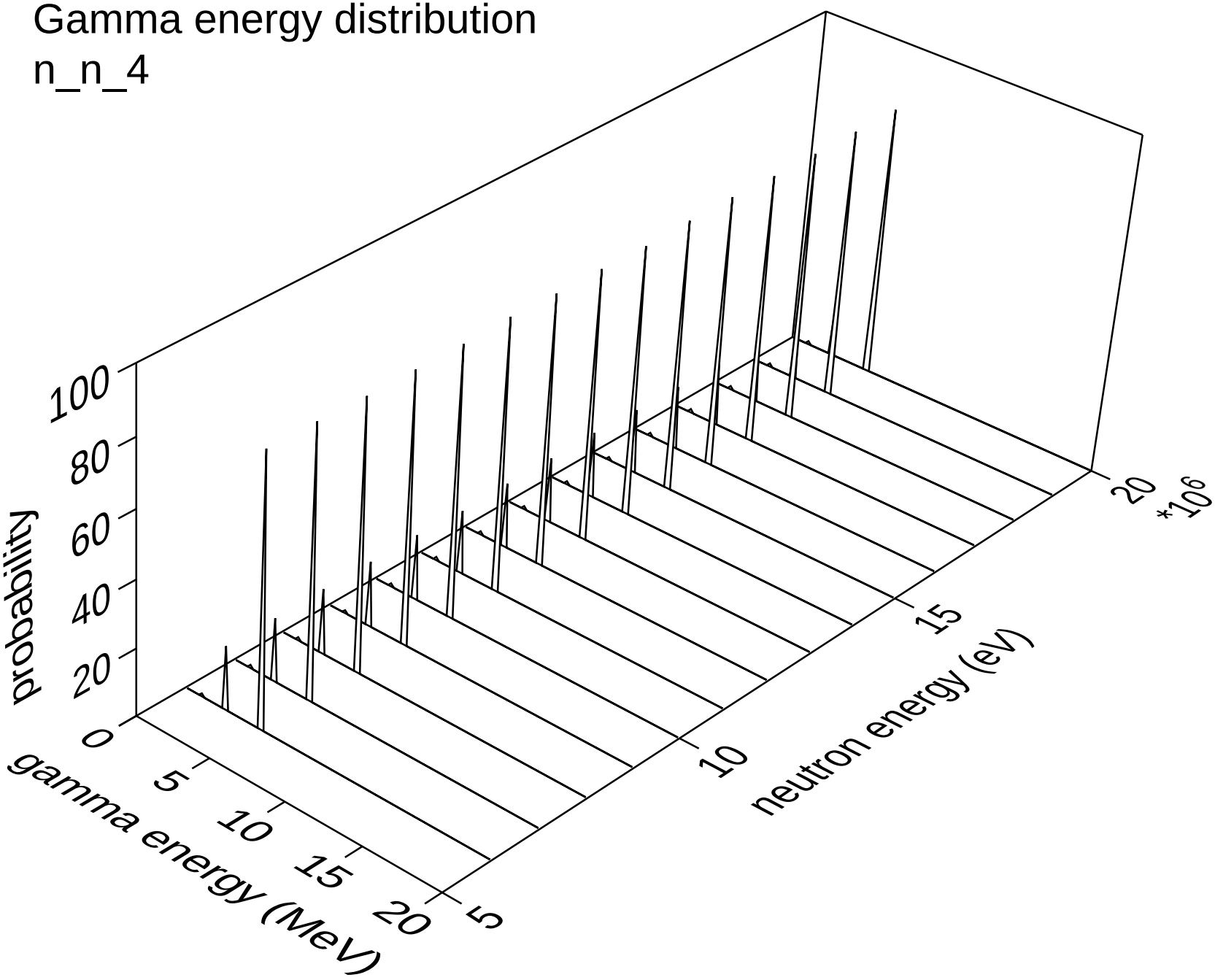


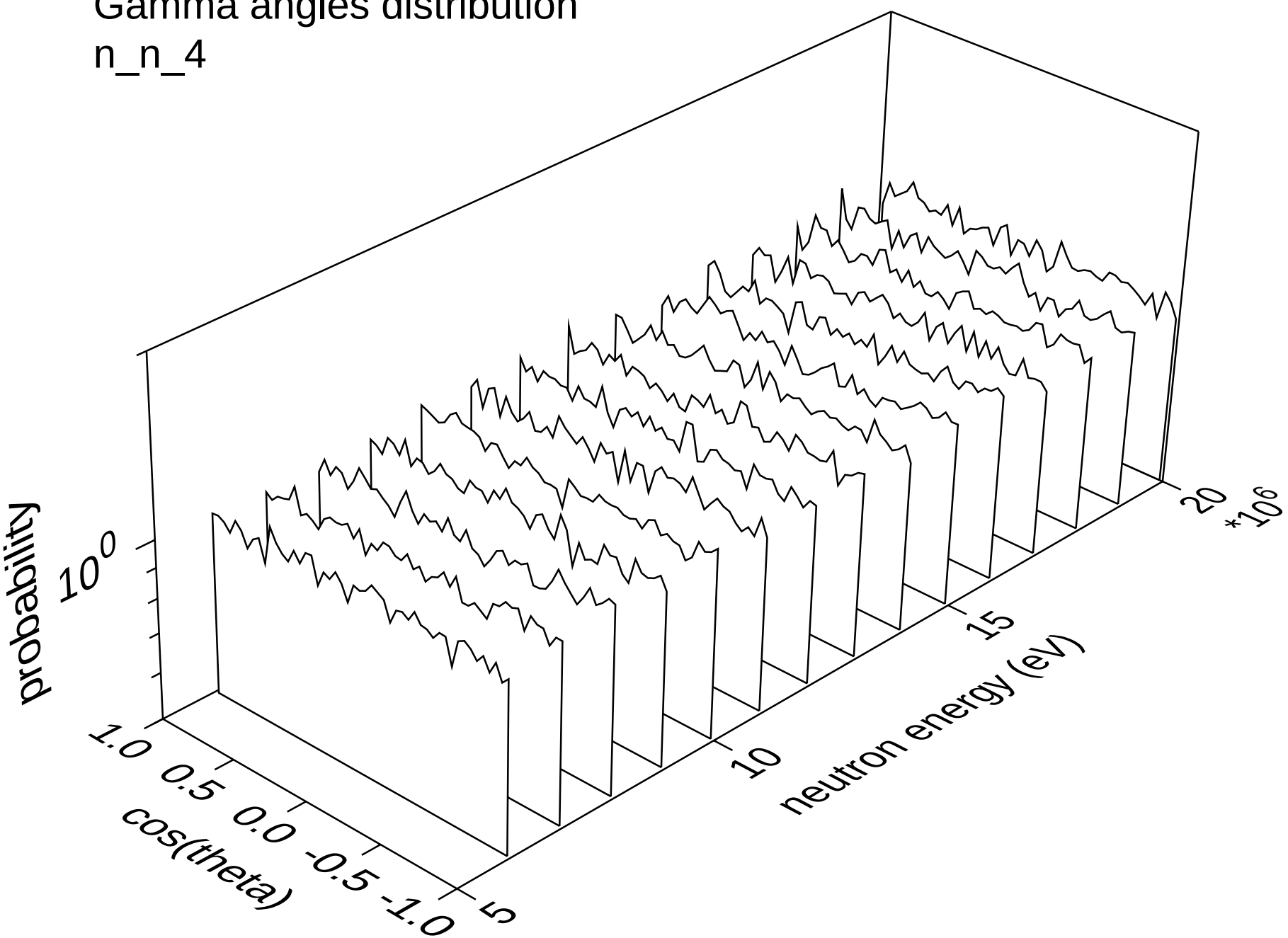

Gamma energy distribution
n_n_3
probability
100
80
60
40
20
0
gamma energy (MeV)
5
10
15
20
neutron energy (eV)
10
15
20
*10^6


Gamma angles distribution
n_n_3
probability
10^0
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
5
10
15
20
*10^6
neutron energy (eV)

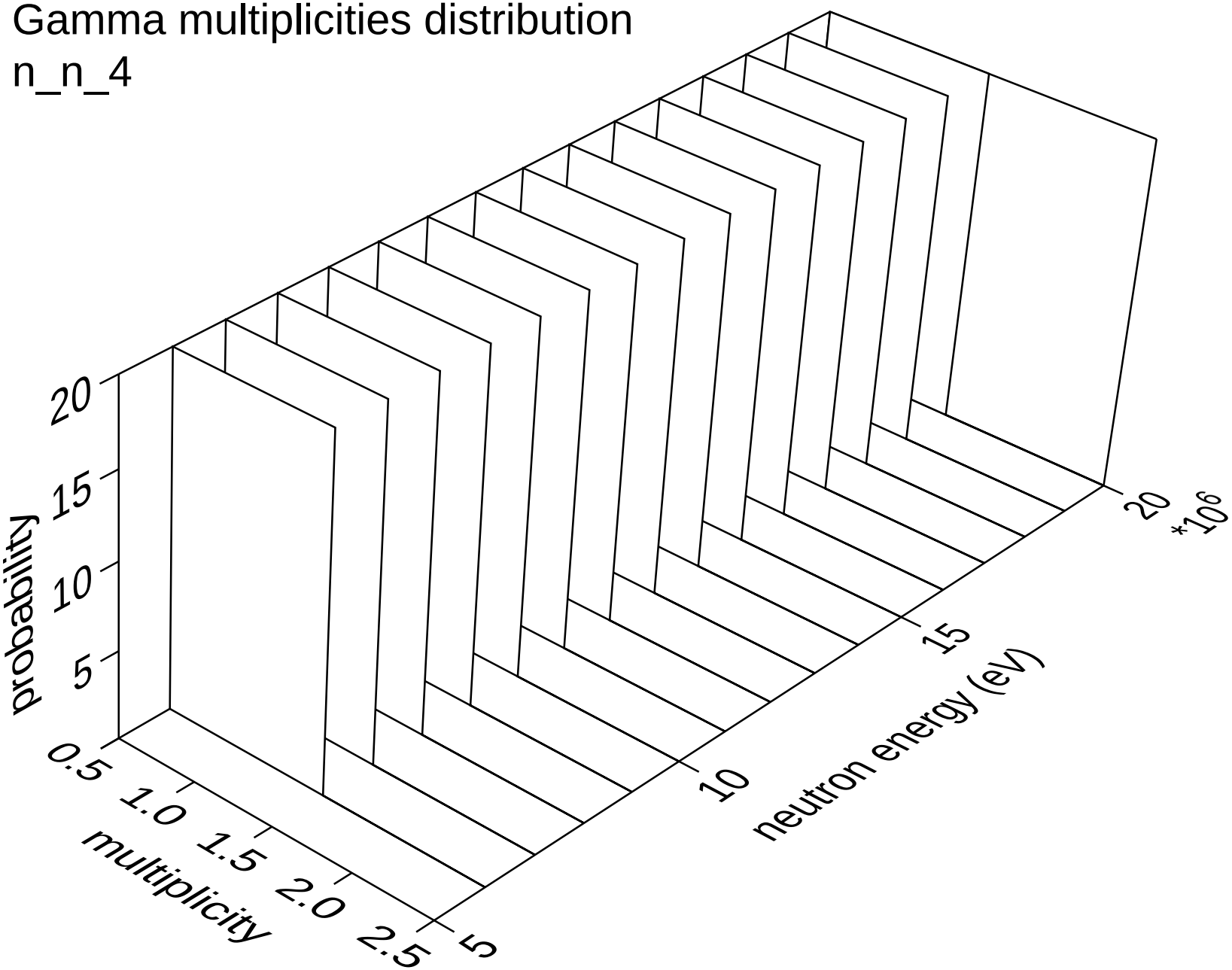
Gamma multiplicities distribution
n_n_3

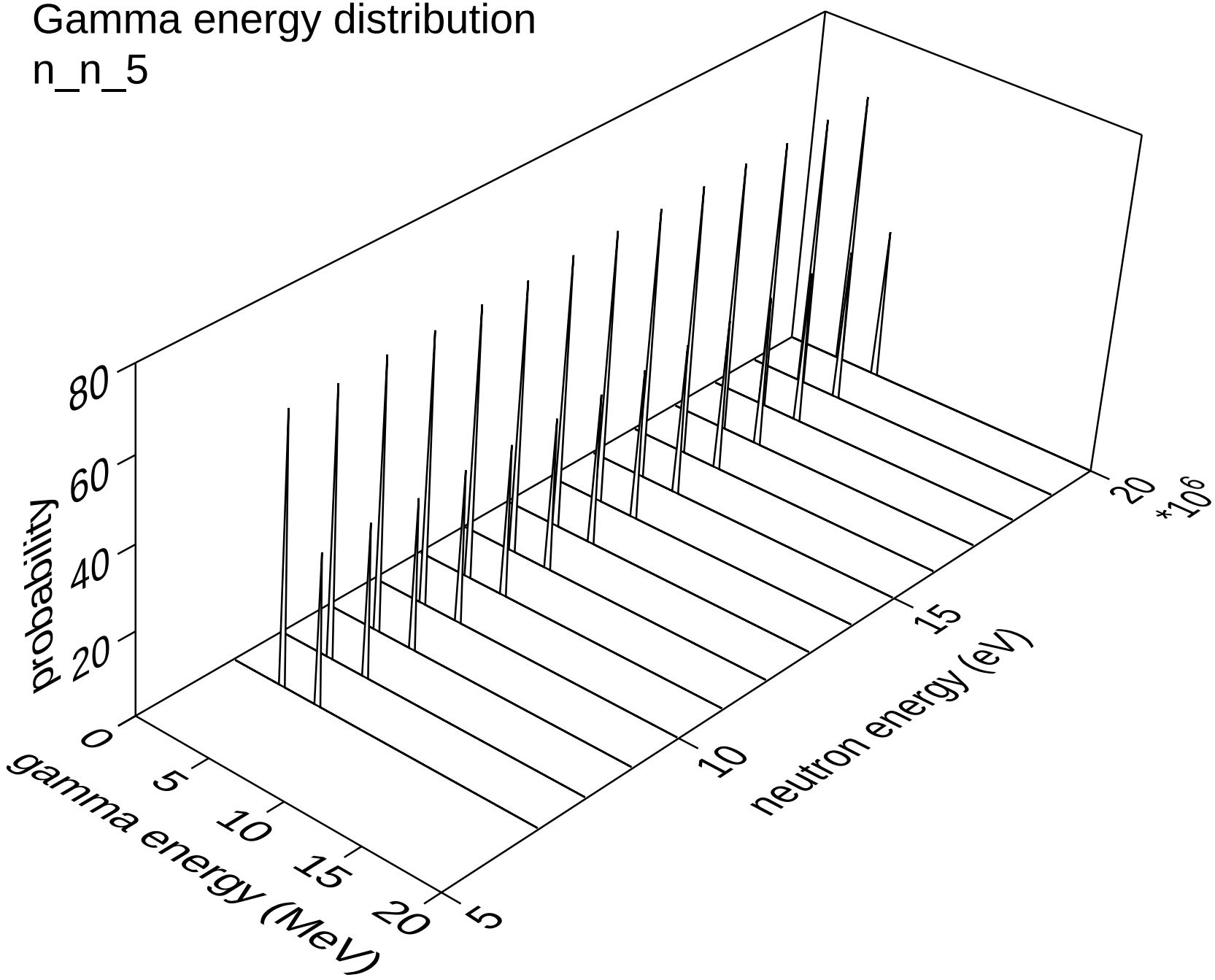


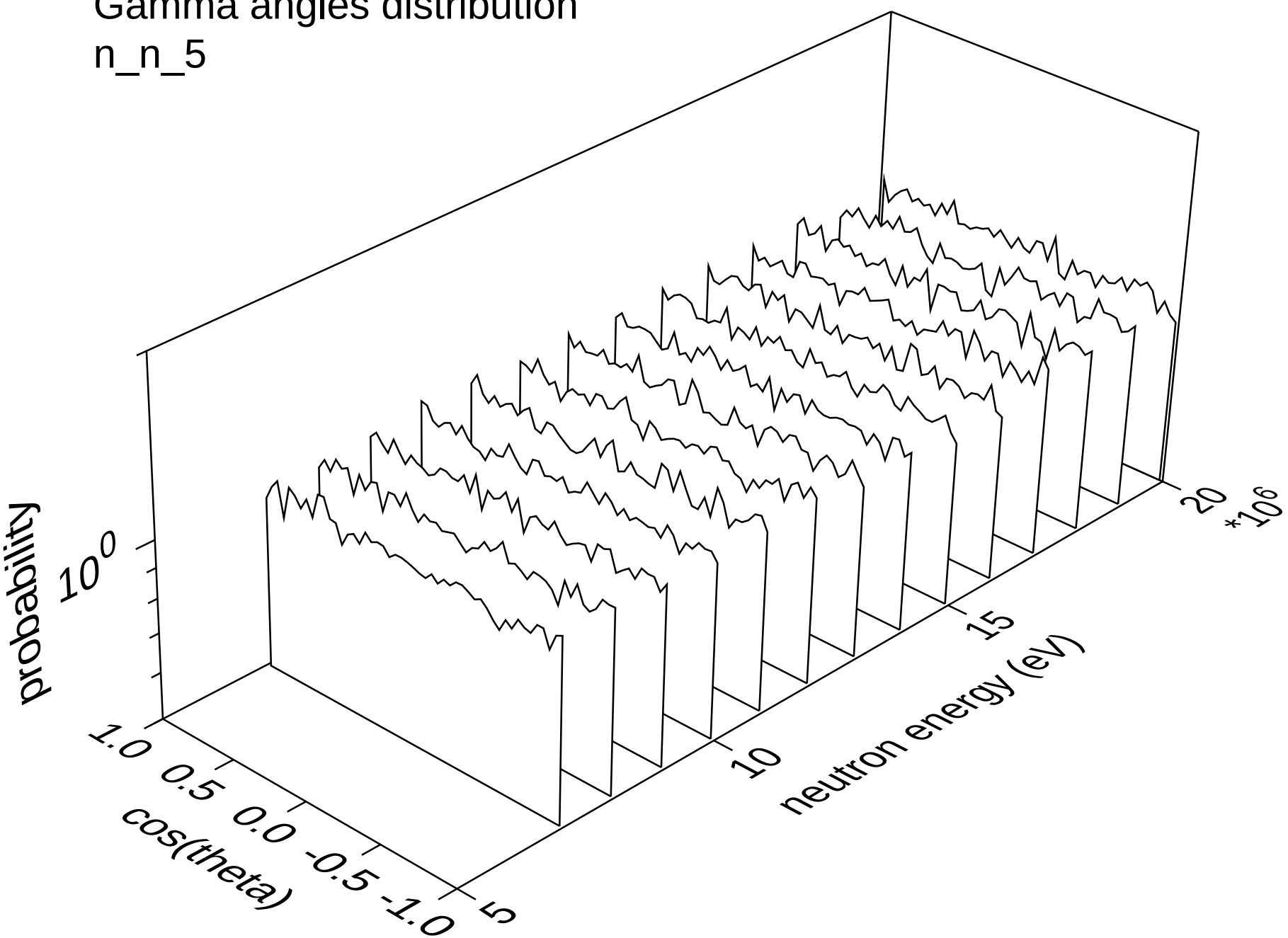

Gamma energy distribution
n_n_4
probability
100
80
60
40
20
0
gamma energy (MeV)
5
10
15
20
neutron energy (eV)
5
10
15
20
*10^6


Gamma angles distribution
n_n_4
probability
10^0
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
5
10
15
20
*10^6
neutron energy (eV)

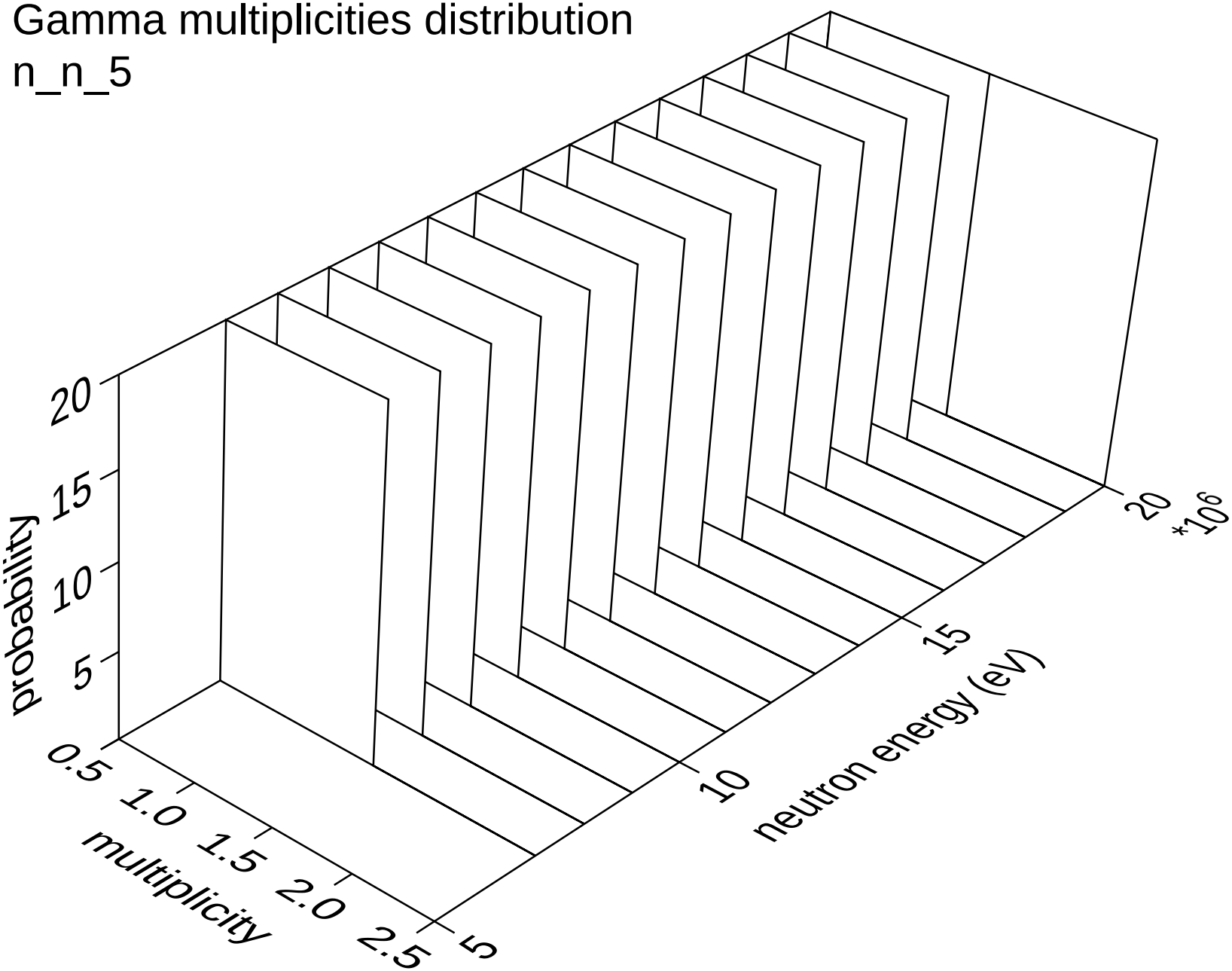
Gamma multiplicities distribution
n_n_4

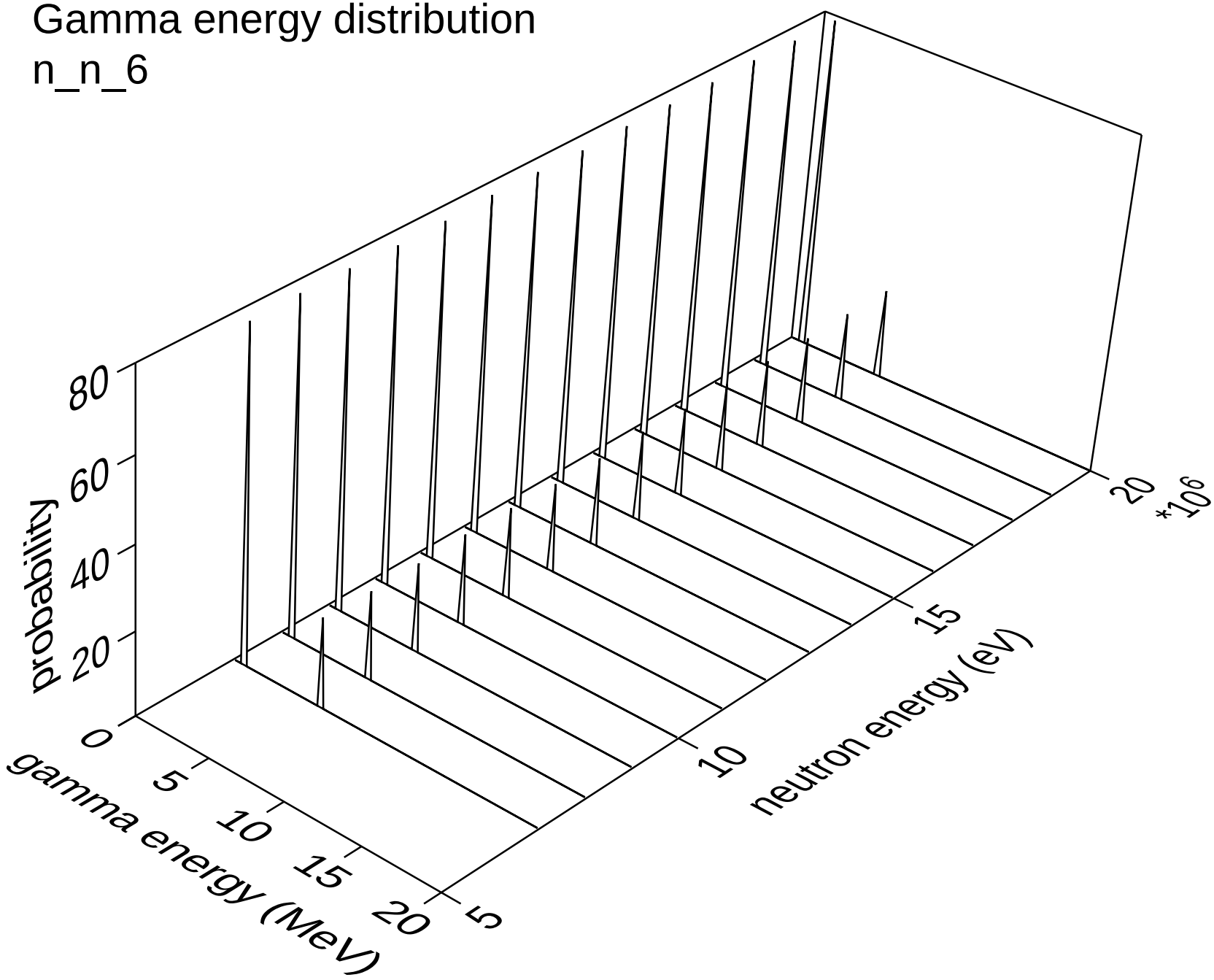


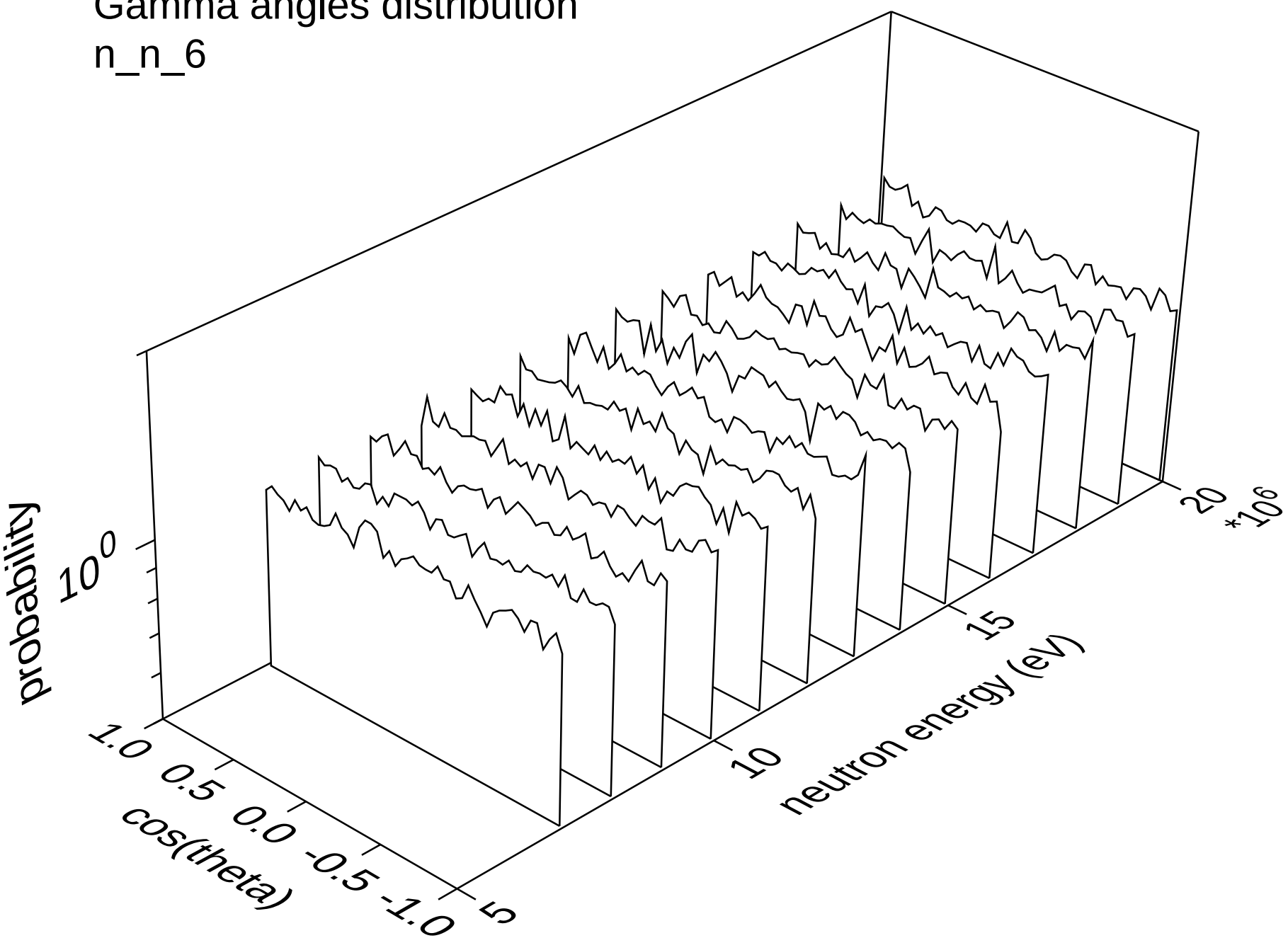

Gamma energy distribution
n_n_5
probability
0
20
40
60
80
gamma energy (MeV)
5
10
15
20
neutron energy (eV)
10
15
20
*10^6


Gamma angles distribution
n_n_5
probability
10^0
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
5
10
15
20
*10^6
neutron energy (eV)

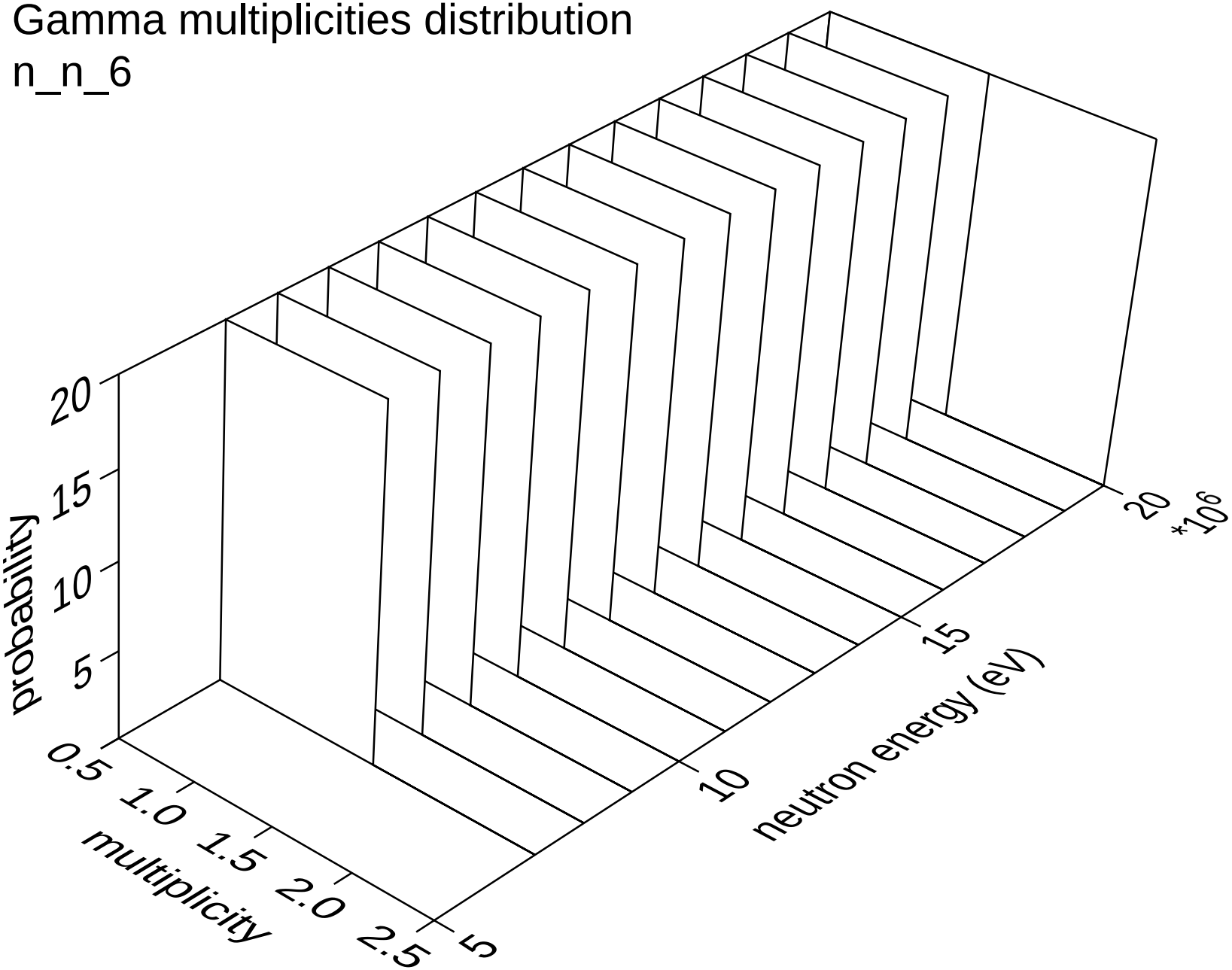
Gamma multiplicities distribution
n_n_5

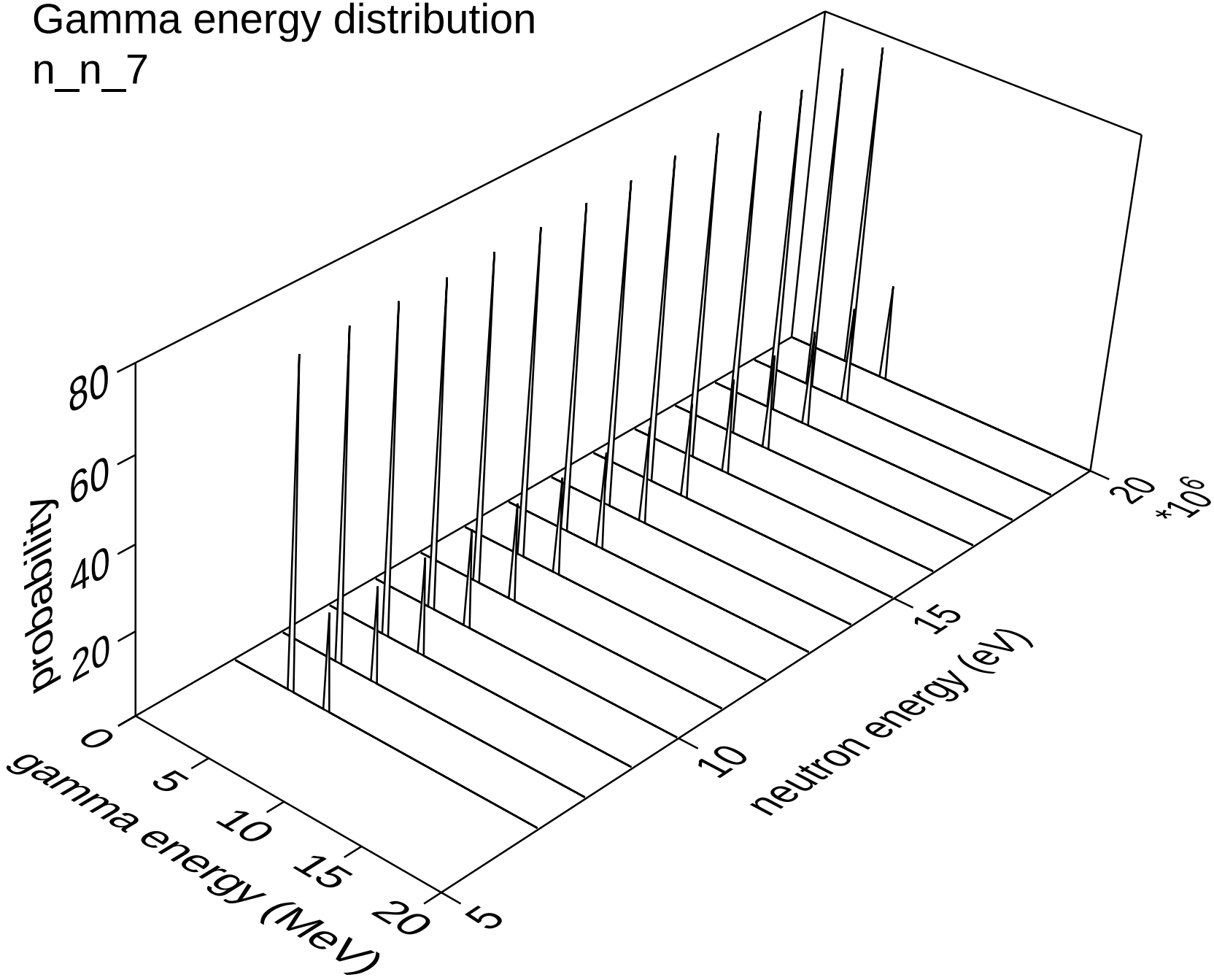


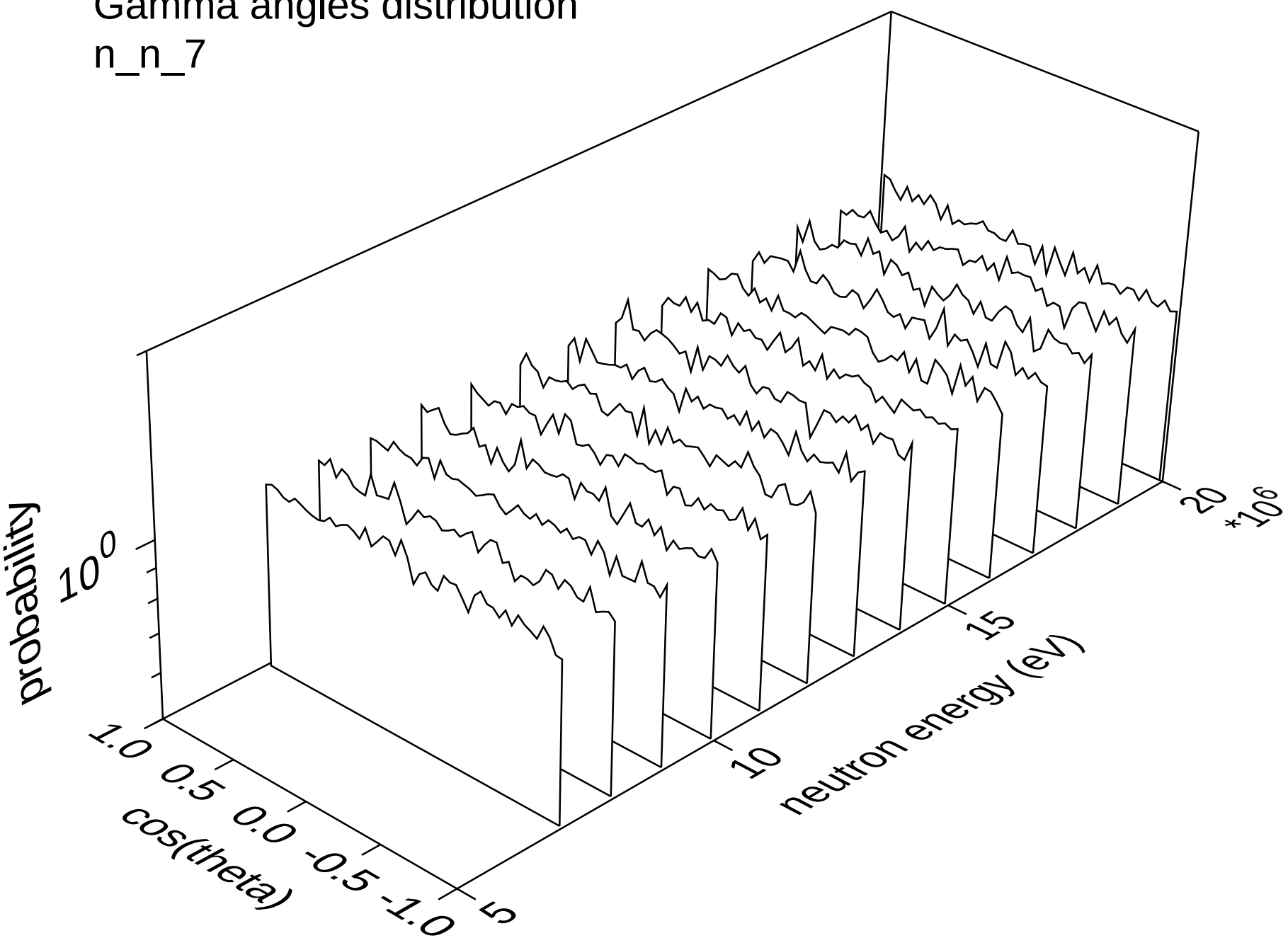

Gamma energy distribution
n_n_6
probability
0
20
40
60
80
gamma energy (MeV)
5
10
15
20
neutron energy (eV)
10
15
20
*10^6


Gamma angles distribution
n_n_6
probability
10^0
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
5
10
15
20
*10^6
neutron energy (eV)

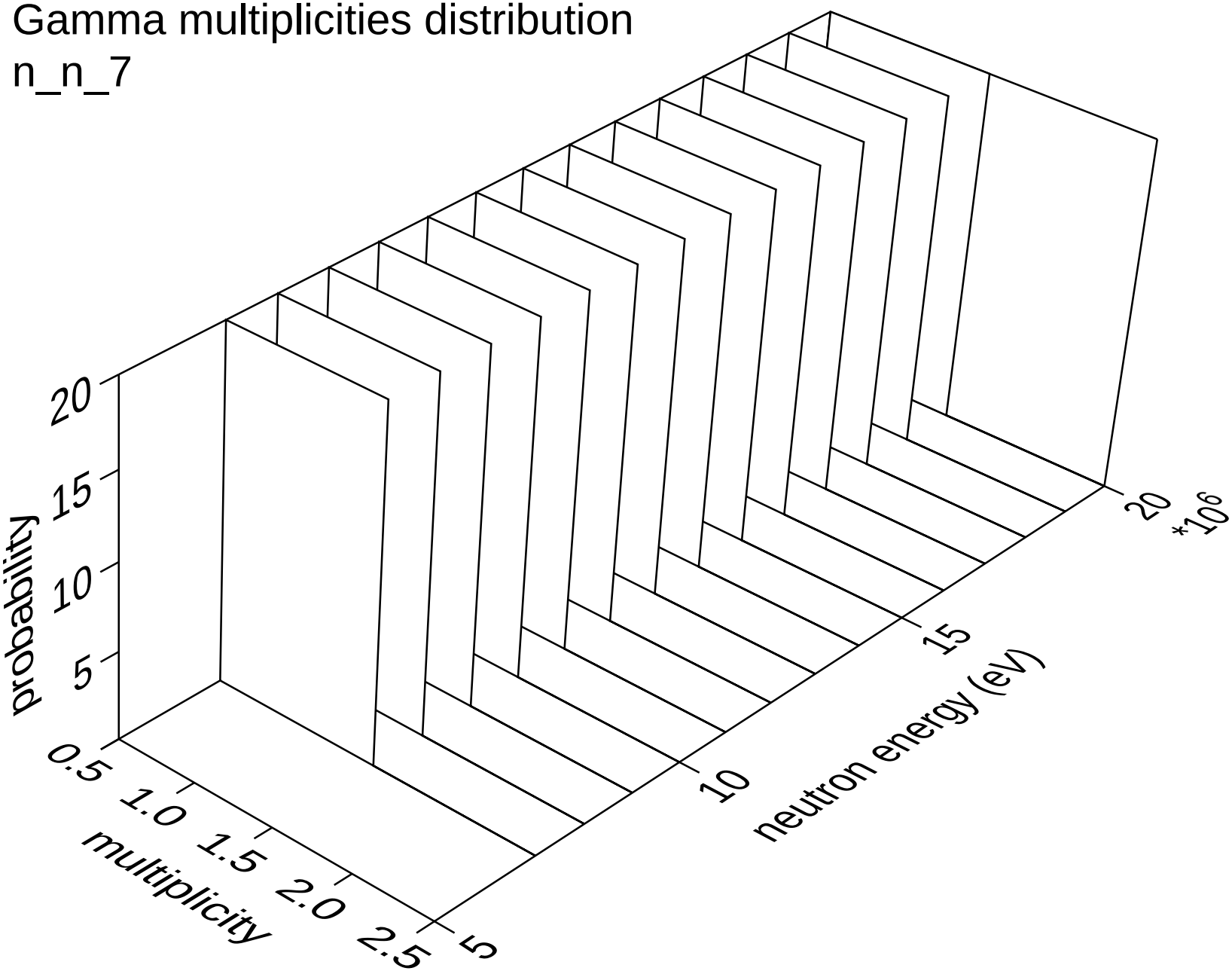
Gamma multiplicities distribution
n_n_6

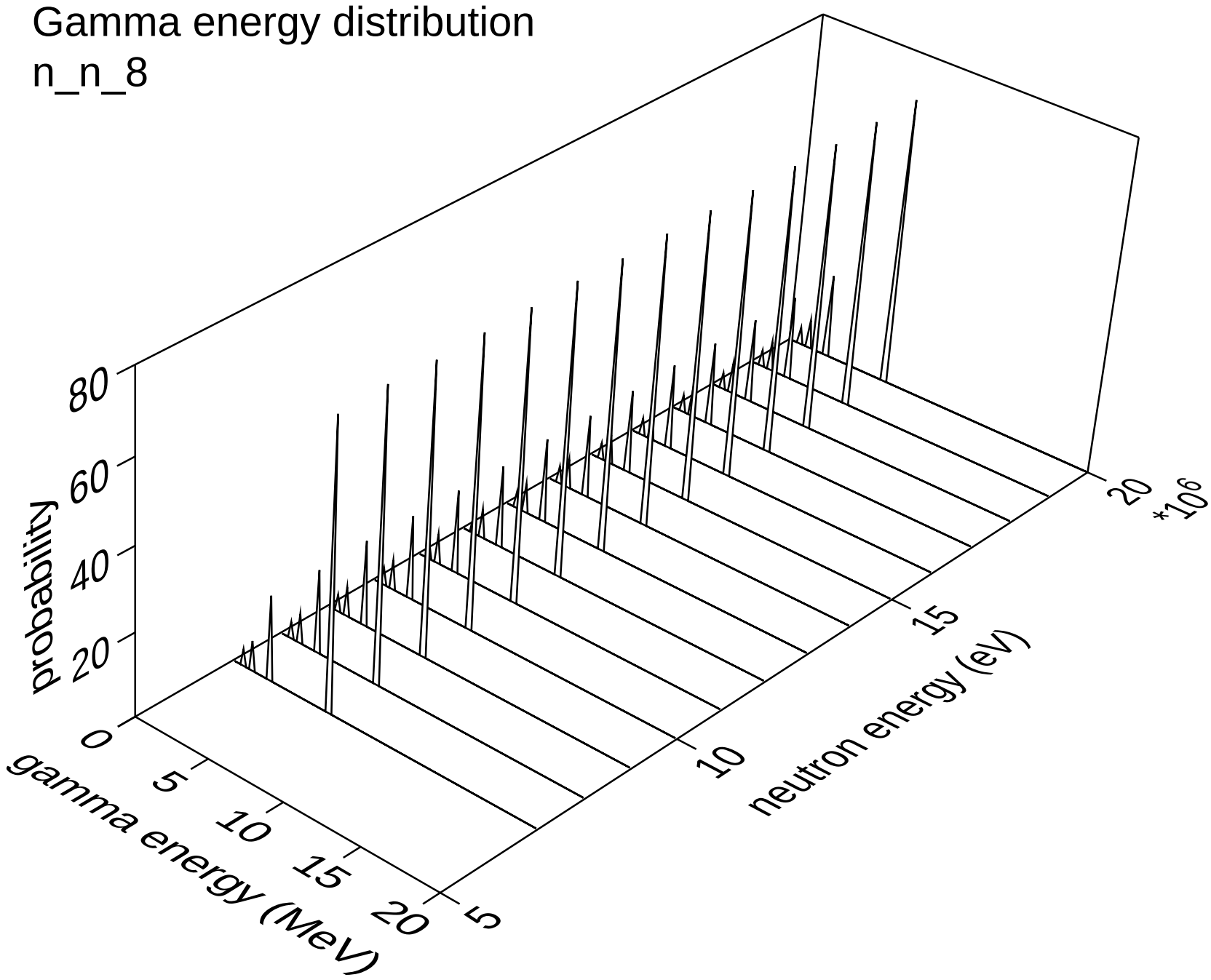


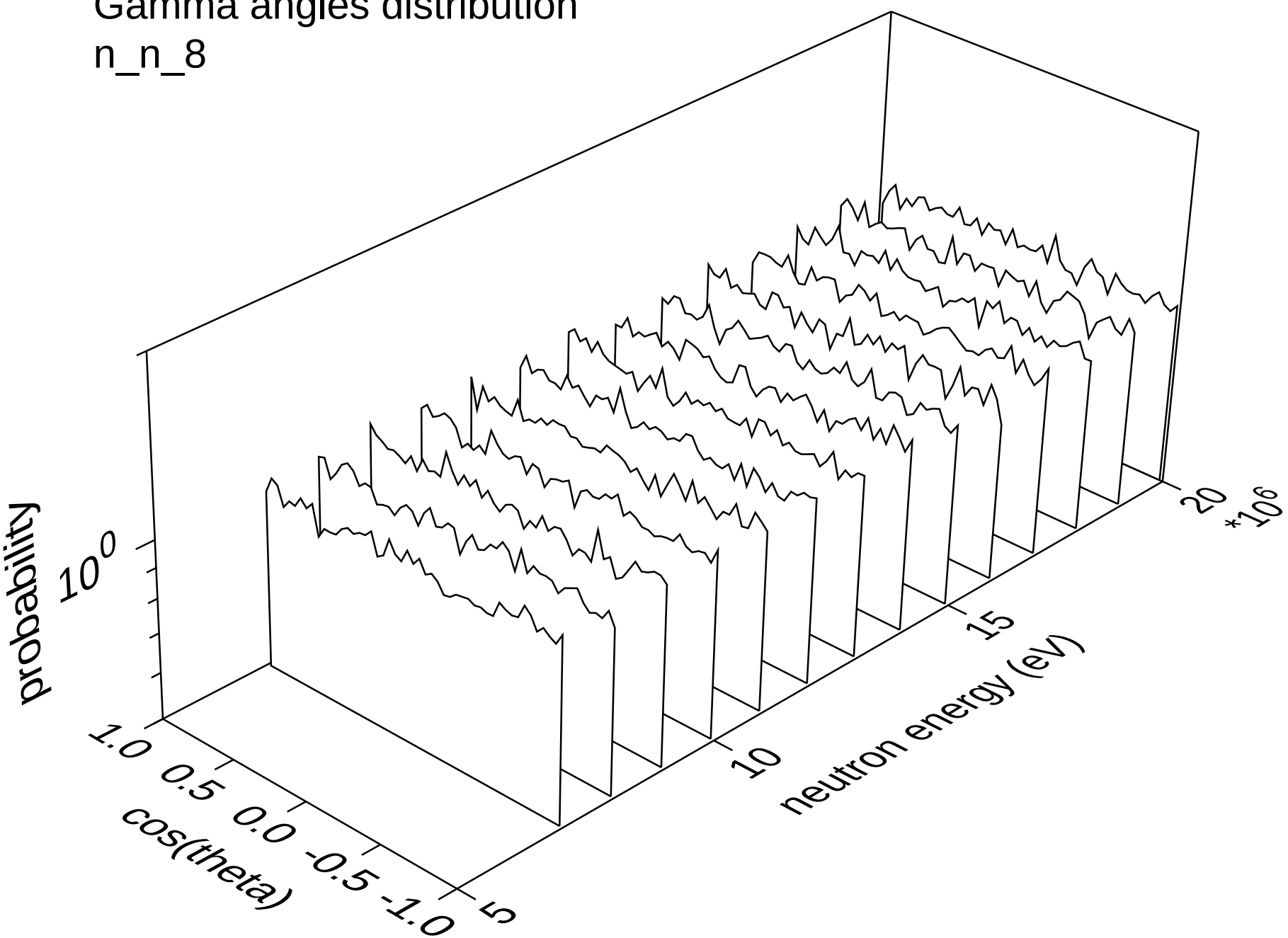

Gamma energy distribution
n_n_7
probability
0
20
40
60
80
gamma energy (MeV)
0
5
10
15
20
neutron energy (eV)
5
10
15
20
*10^6


Gamma angles distribution
n_n_7
probability
10^0
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
5
10
15
20
*10^6
neutron energy (eV)

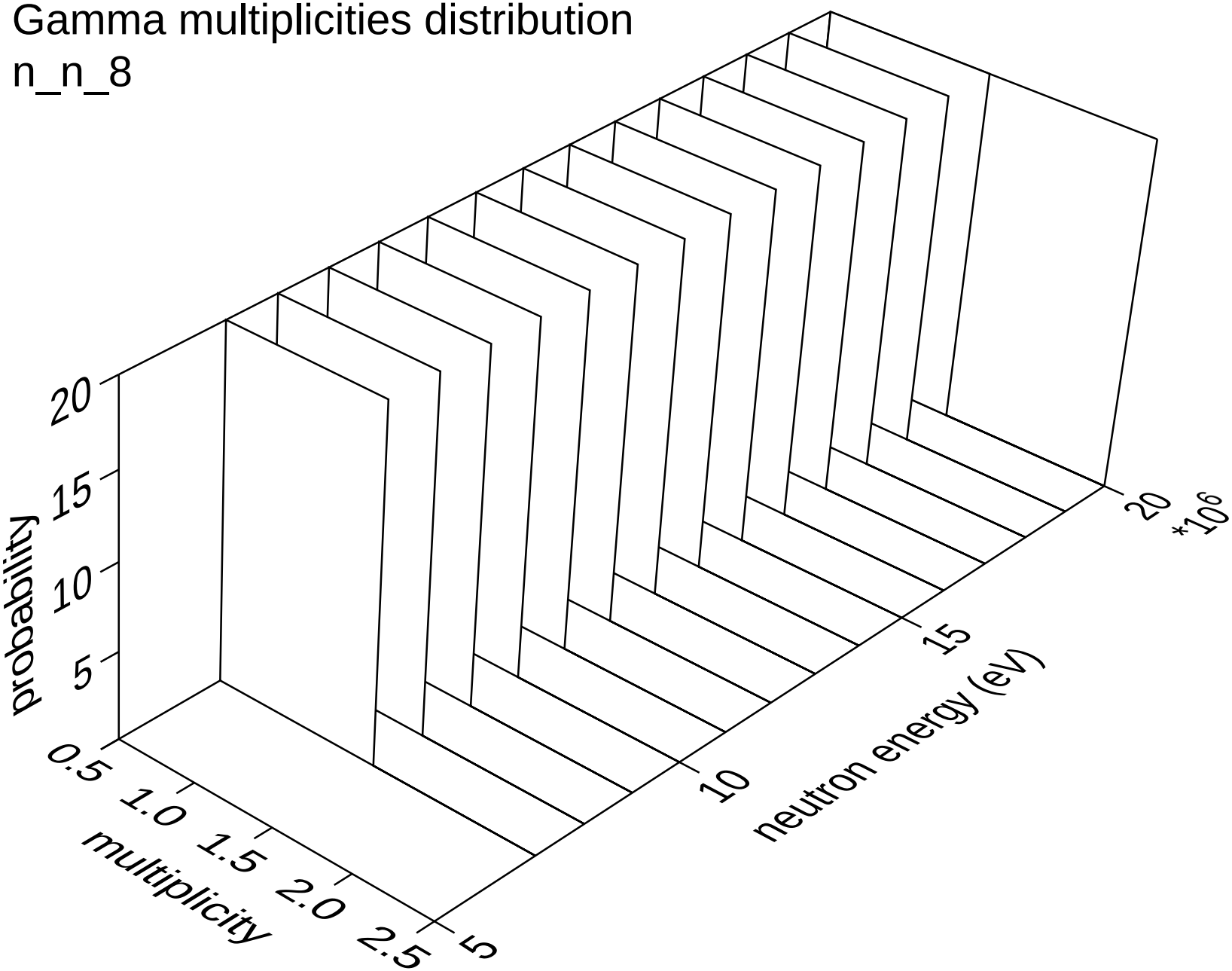
Gamma multiplicities distribution
n_n_7

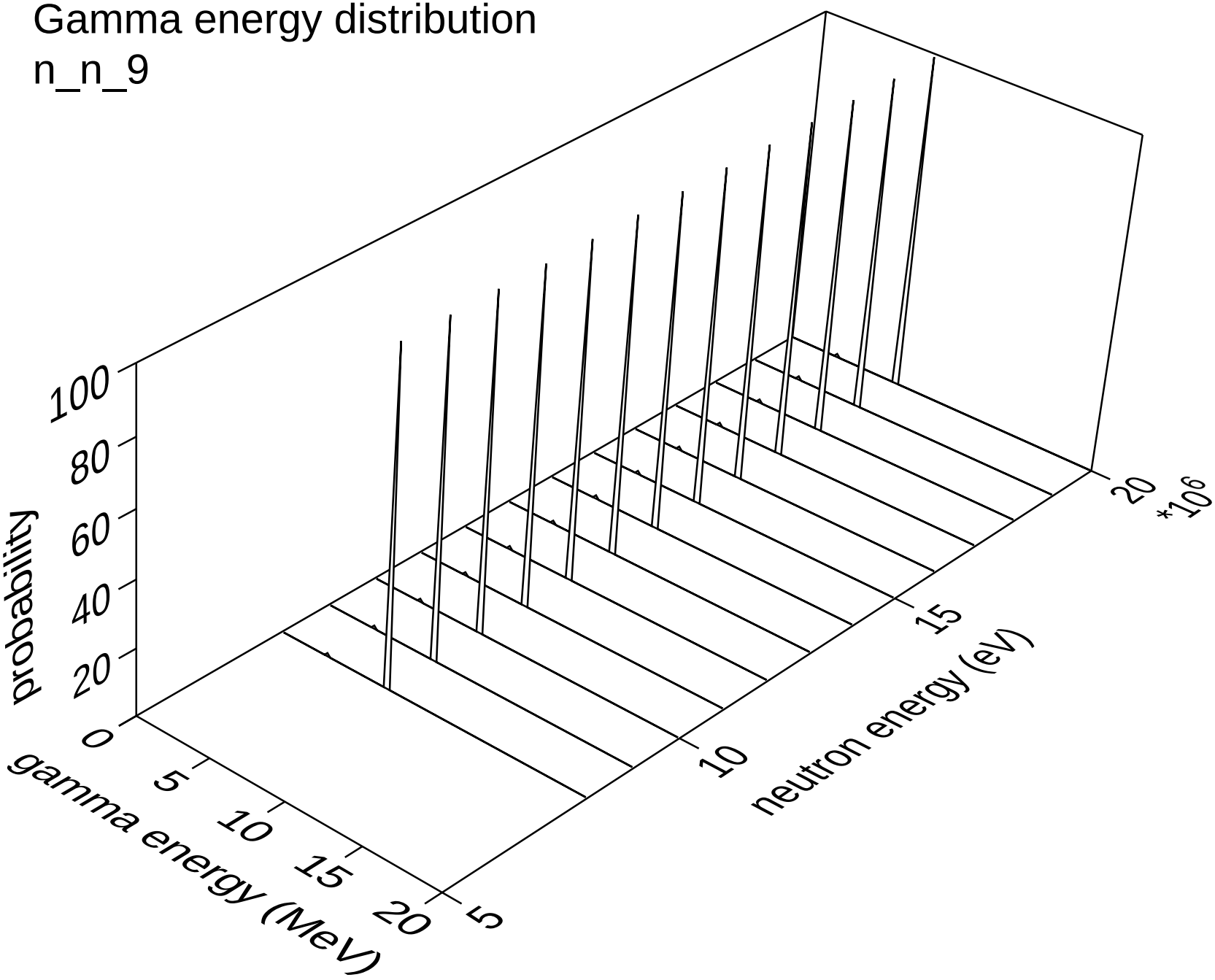


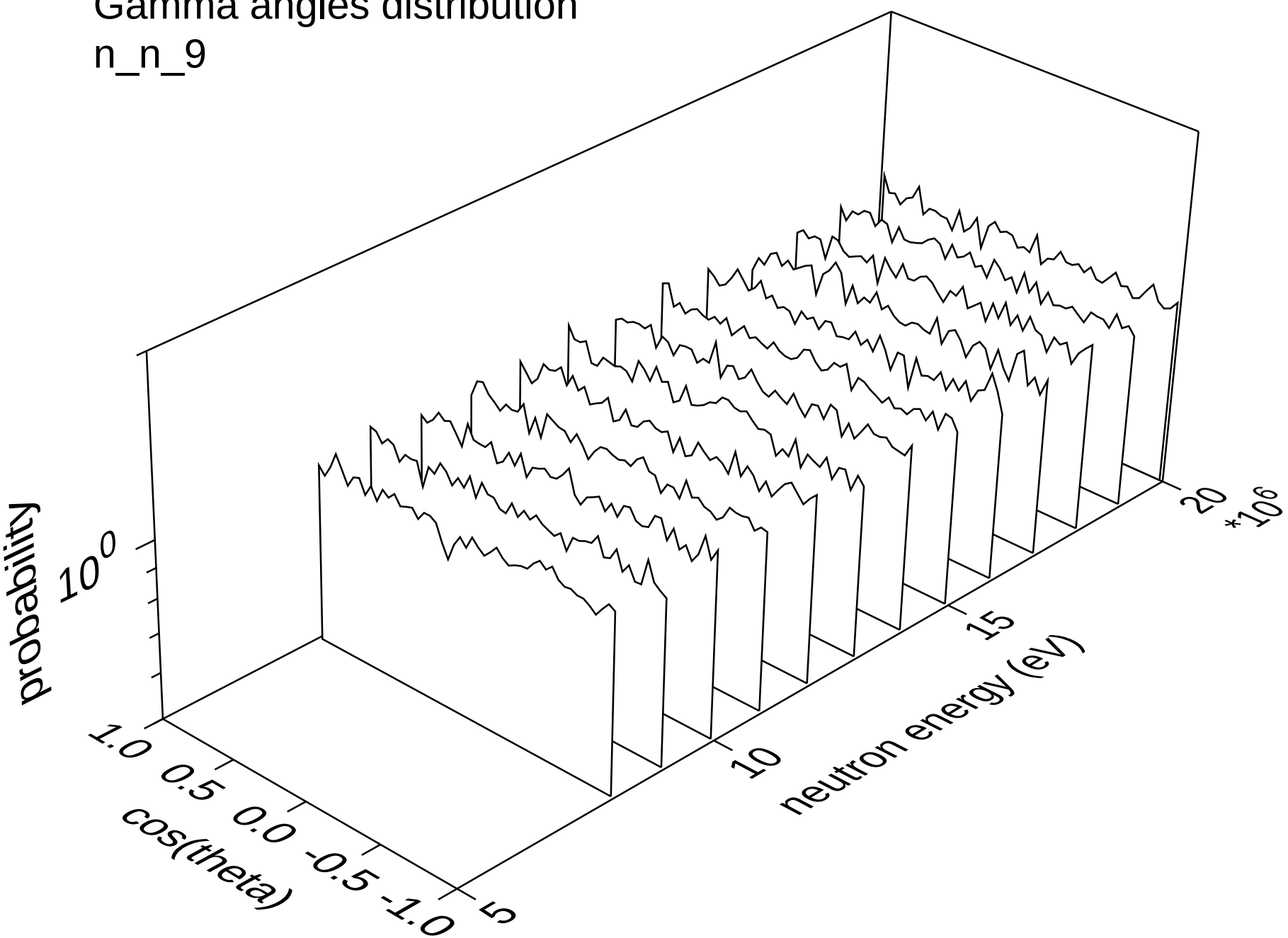

Gamma energy distribution
n_n_8
probability
0
20
40
60
80
gamma energy (MeV)
5
10
15
20
neutron energy (eV)
10
15
20
*10^6


Gamma angles distribution
n_n_8
probability
10^0
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
5
10
15
20
*10^6
neutron energy (eV)

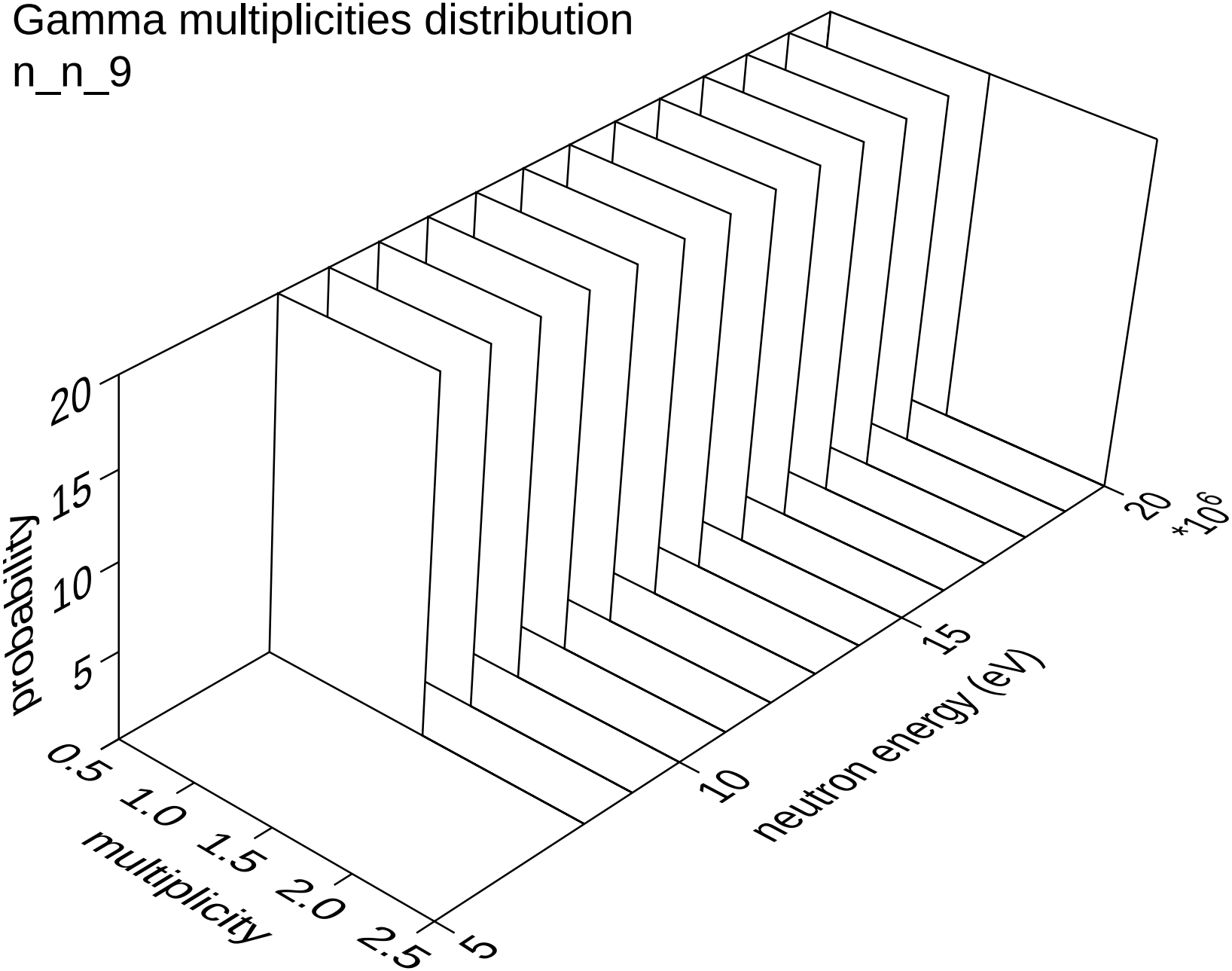
Gamma multiplicities distribution
n_n_8

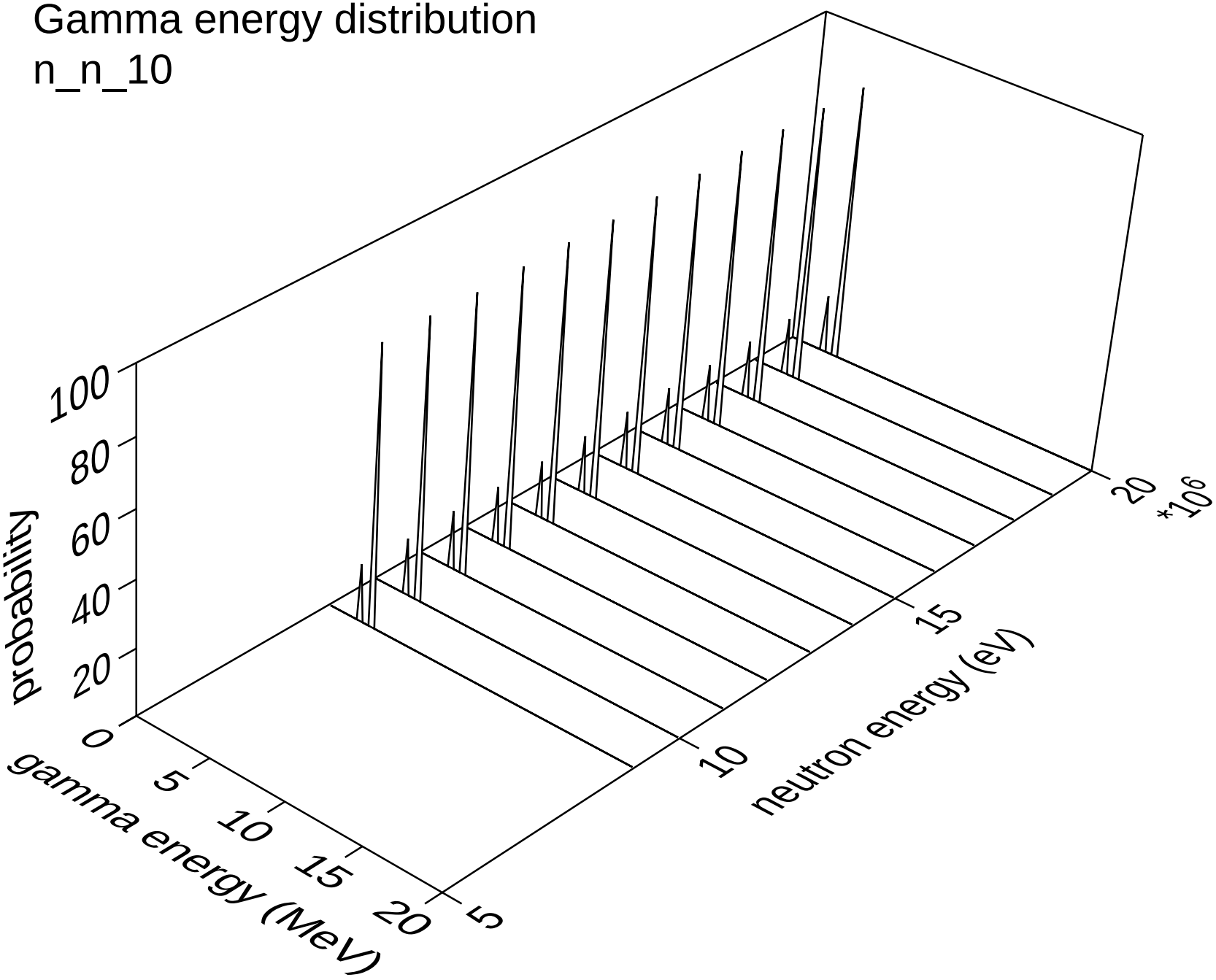


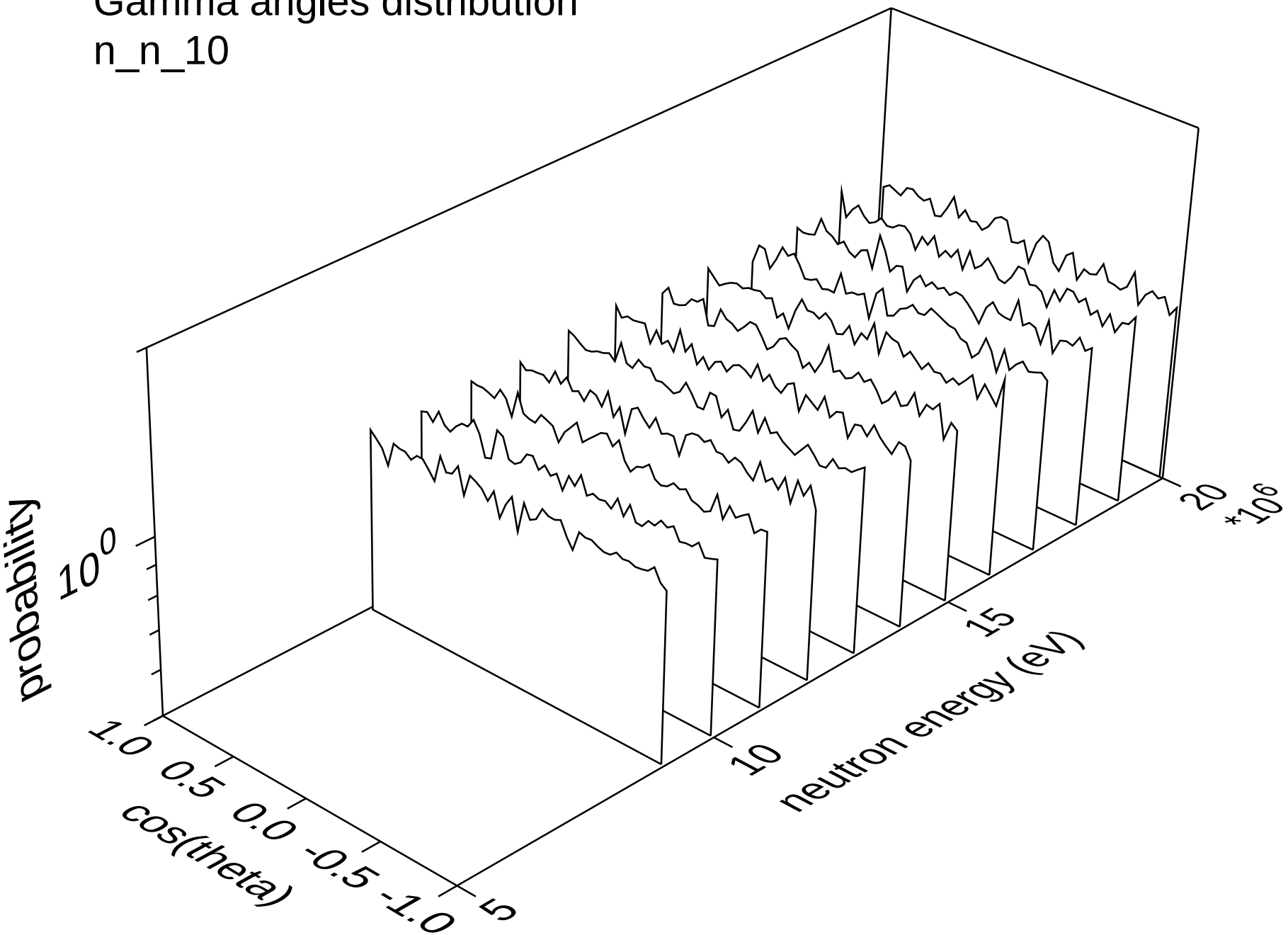

Gamma energy distribution
n_n_9
probability
100
80
60
40
20
0
gamma energy (MeV)
5
10
15
20
neutron energy (eV)
5
10
15
20
*10^6


Gamma angles distribution
n_n_9
probability
10^0
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
5
10
15
20
*10^6
neutron energy (eV)

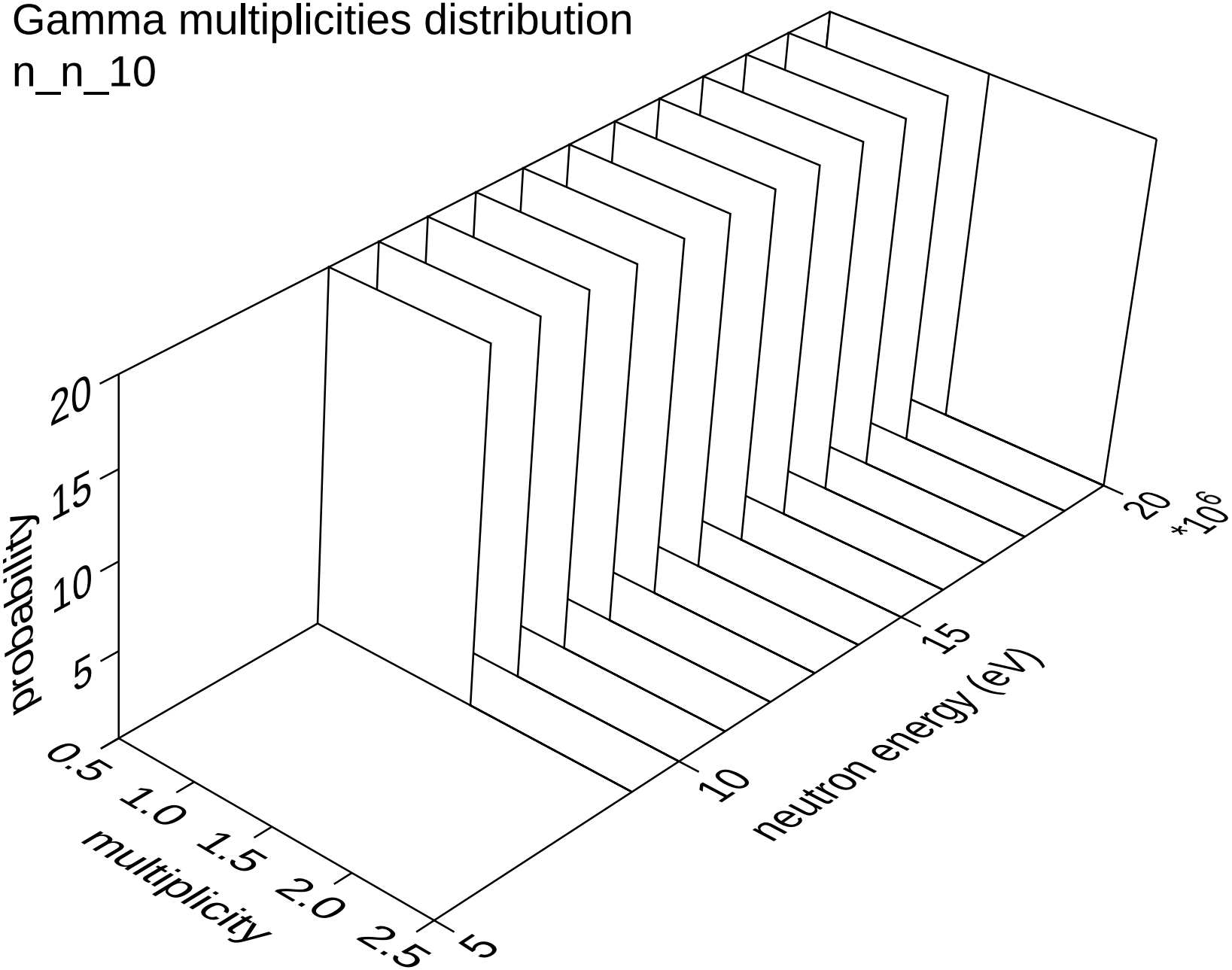
Gamma multiplicities distribution
n_n_9

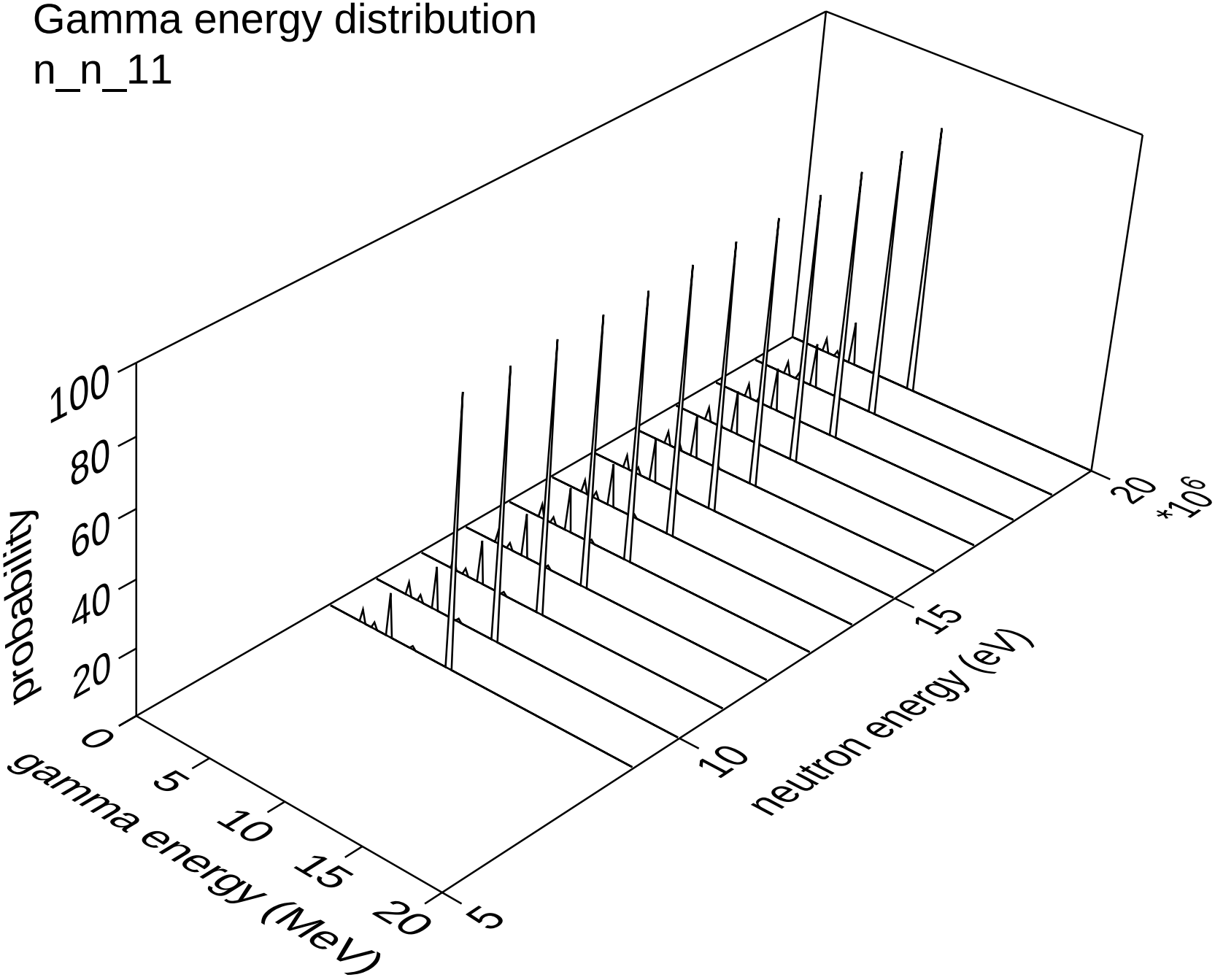


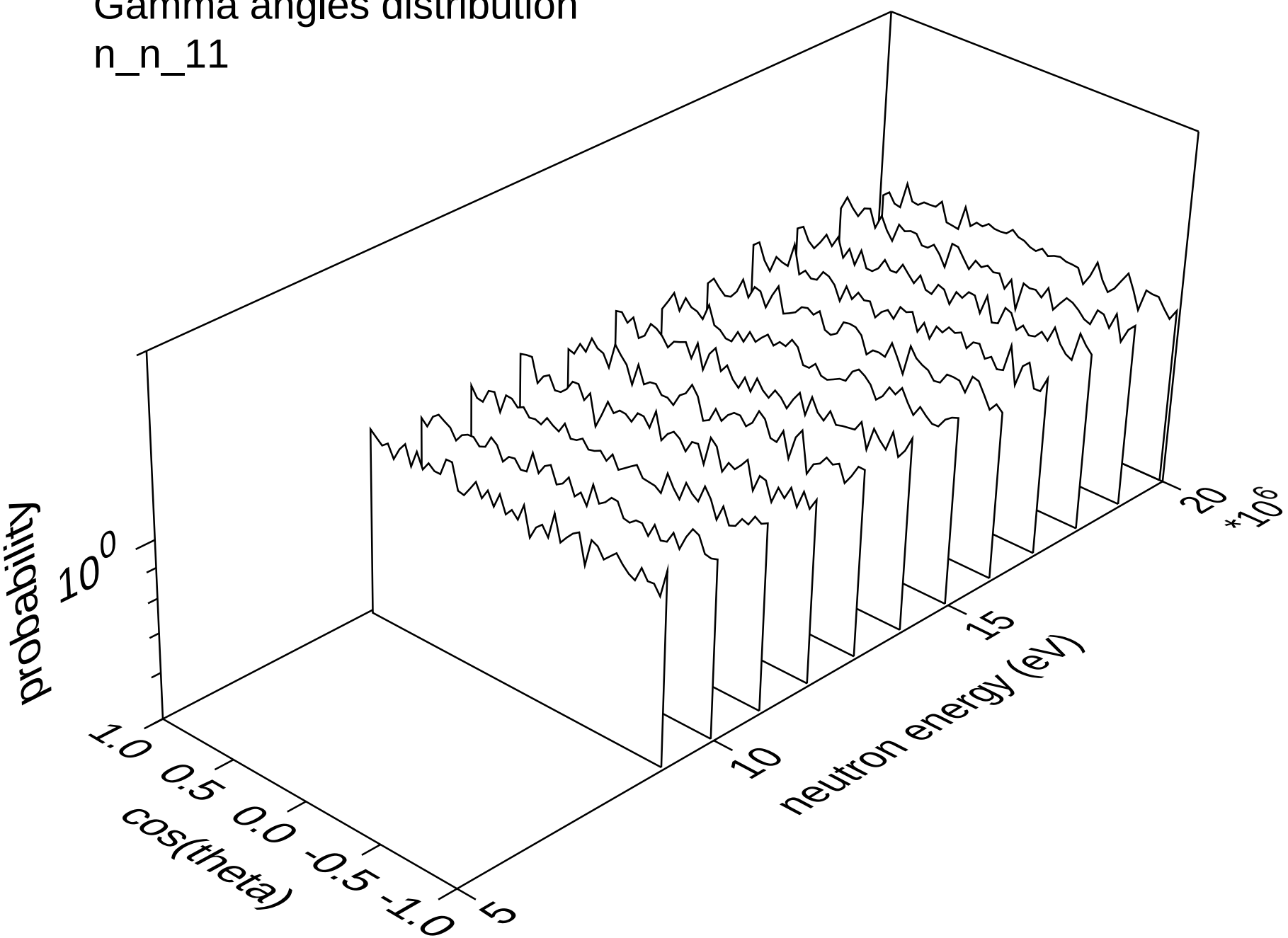

Gamma energy distribution
n_n_10
probability
100
80
60
40
20
0
gamma energy (MeV)
5
10
15
20
neutron energy (eV)
5
10
15
20
*10^6


Gamma angles distribution
n_n_10
probability
10^0
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
5
10
15
20
*10^6
neutron energy (eV)

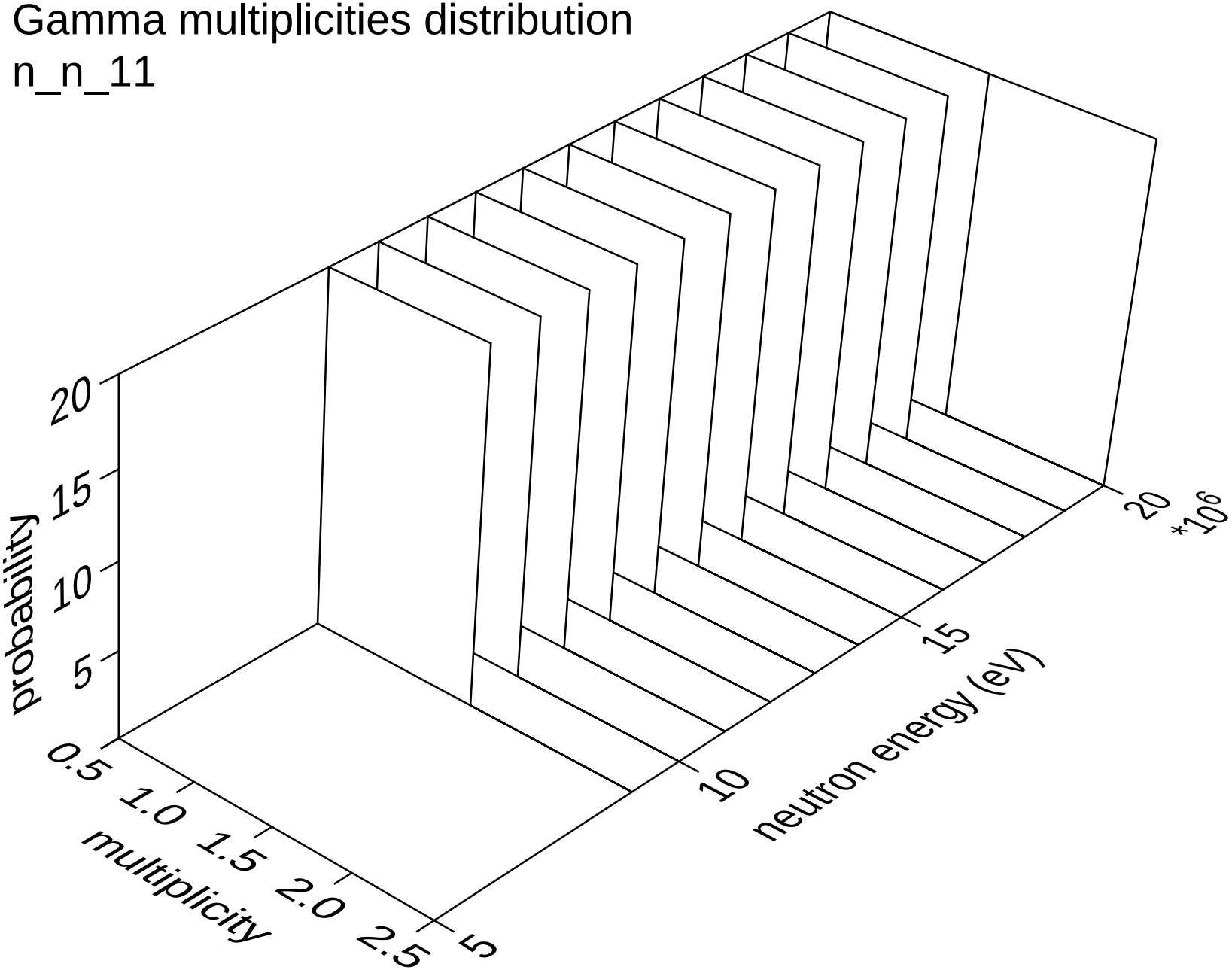
Gamma multiplicities distribution
n_n_10

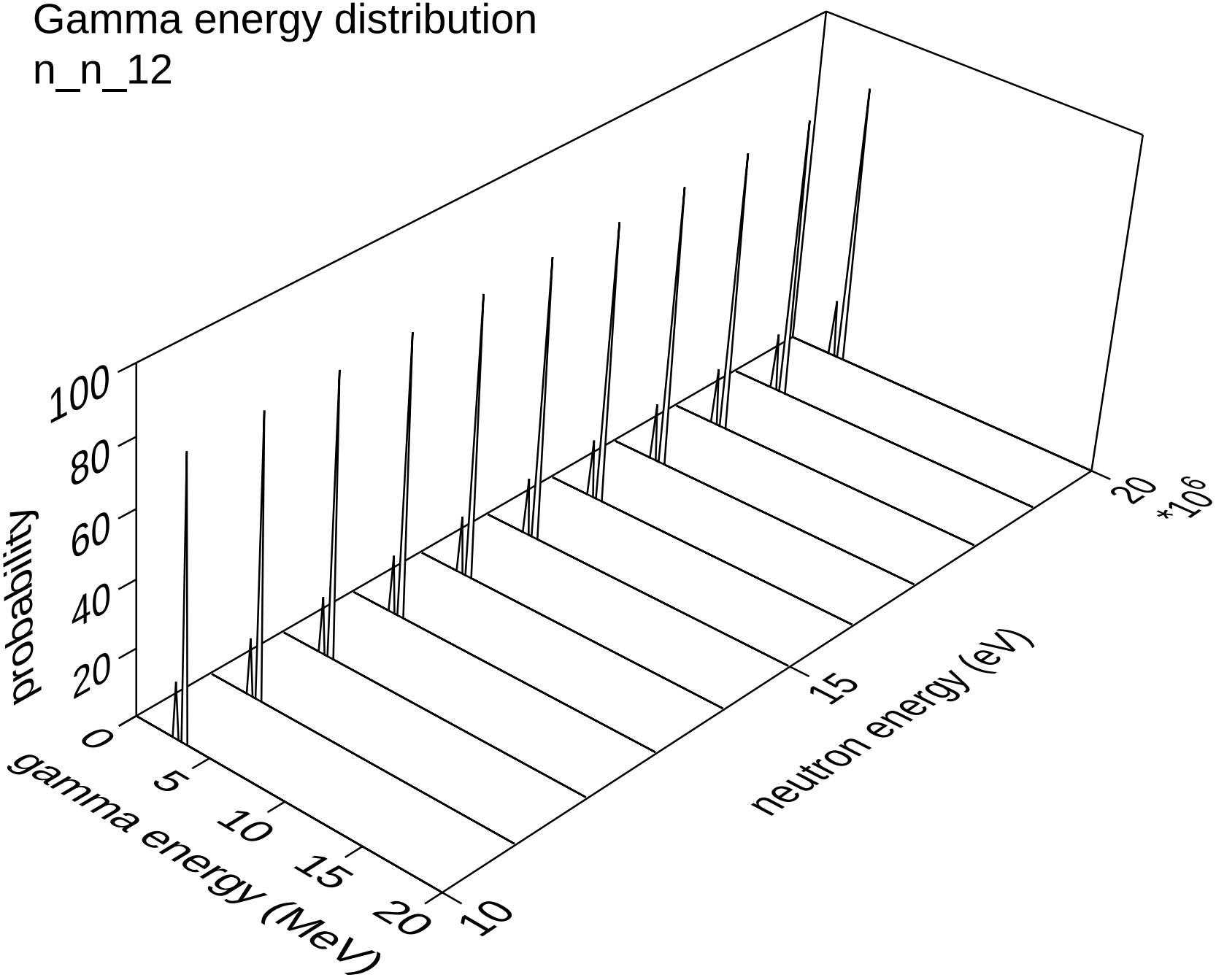


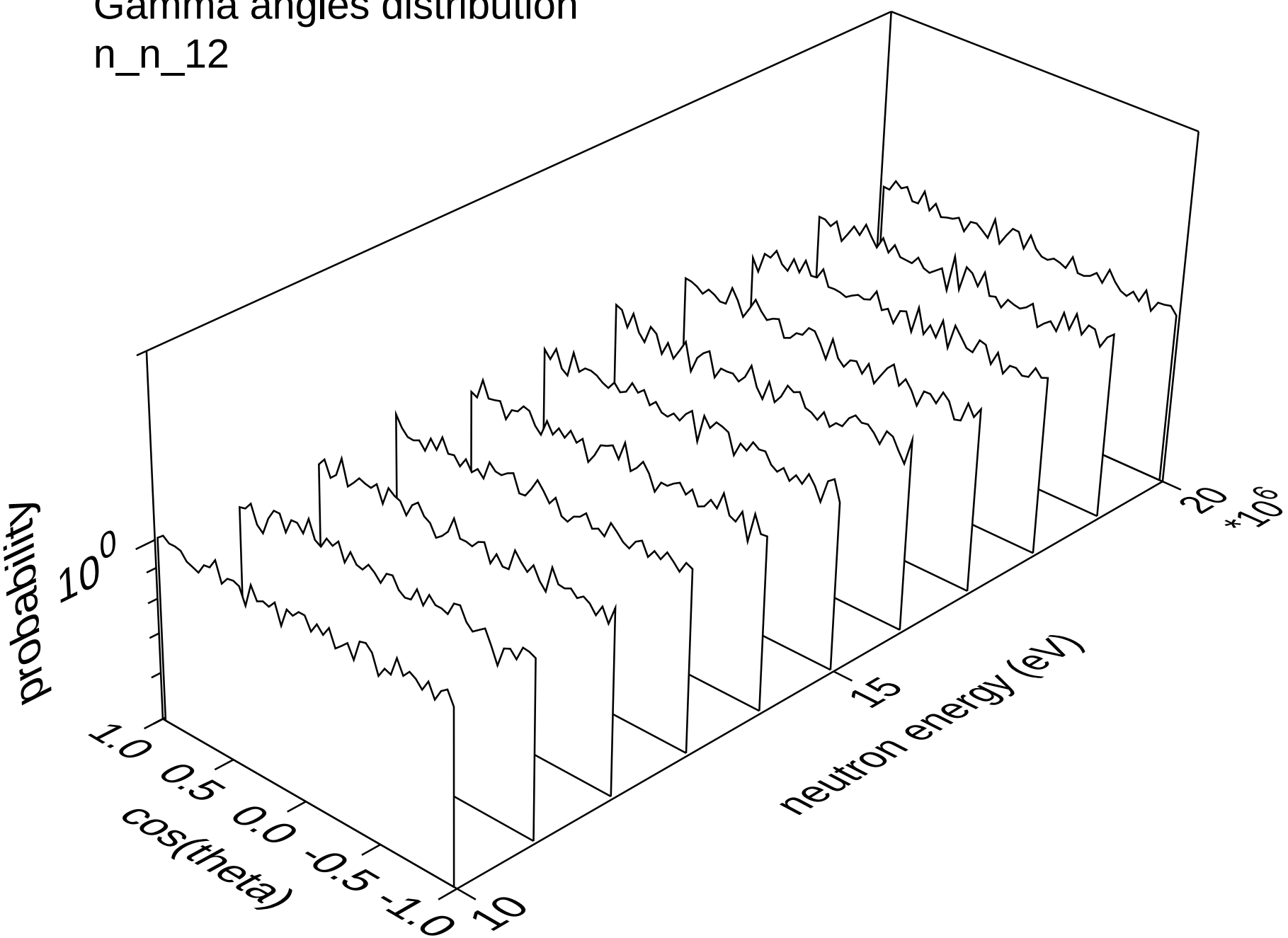

Gamma energy distribution
n_n_11
probability
100
80
60
40
20
0
gamma energy (MeV)
5
10
15
20
neutron energy (eV)
5
10
15
20
*10^6

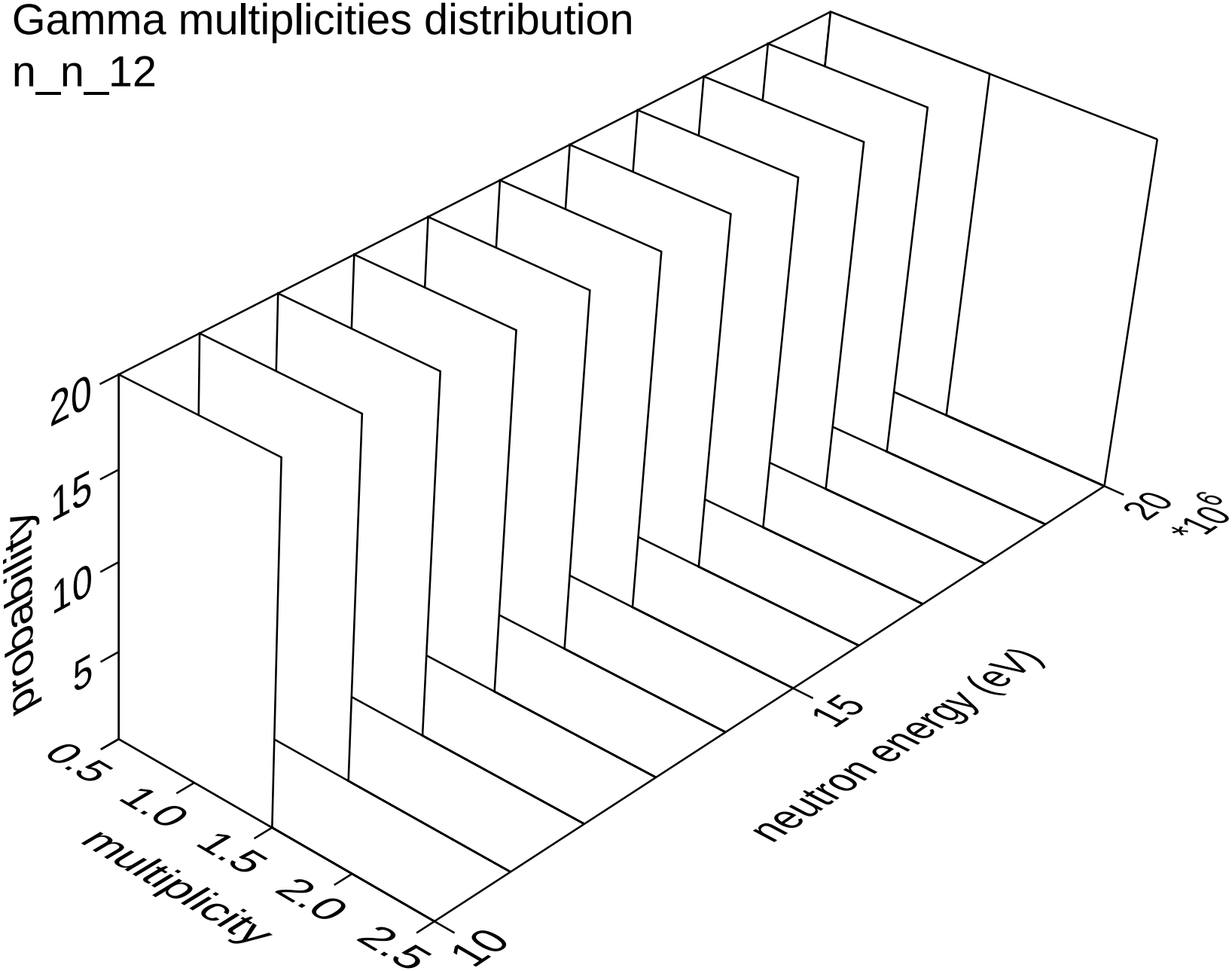

Gamma angles distribution
n_n_11
probability
10^0
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
5
10
15
20
*10^6
neutron energy (eV)

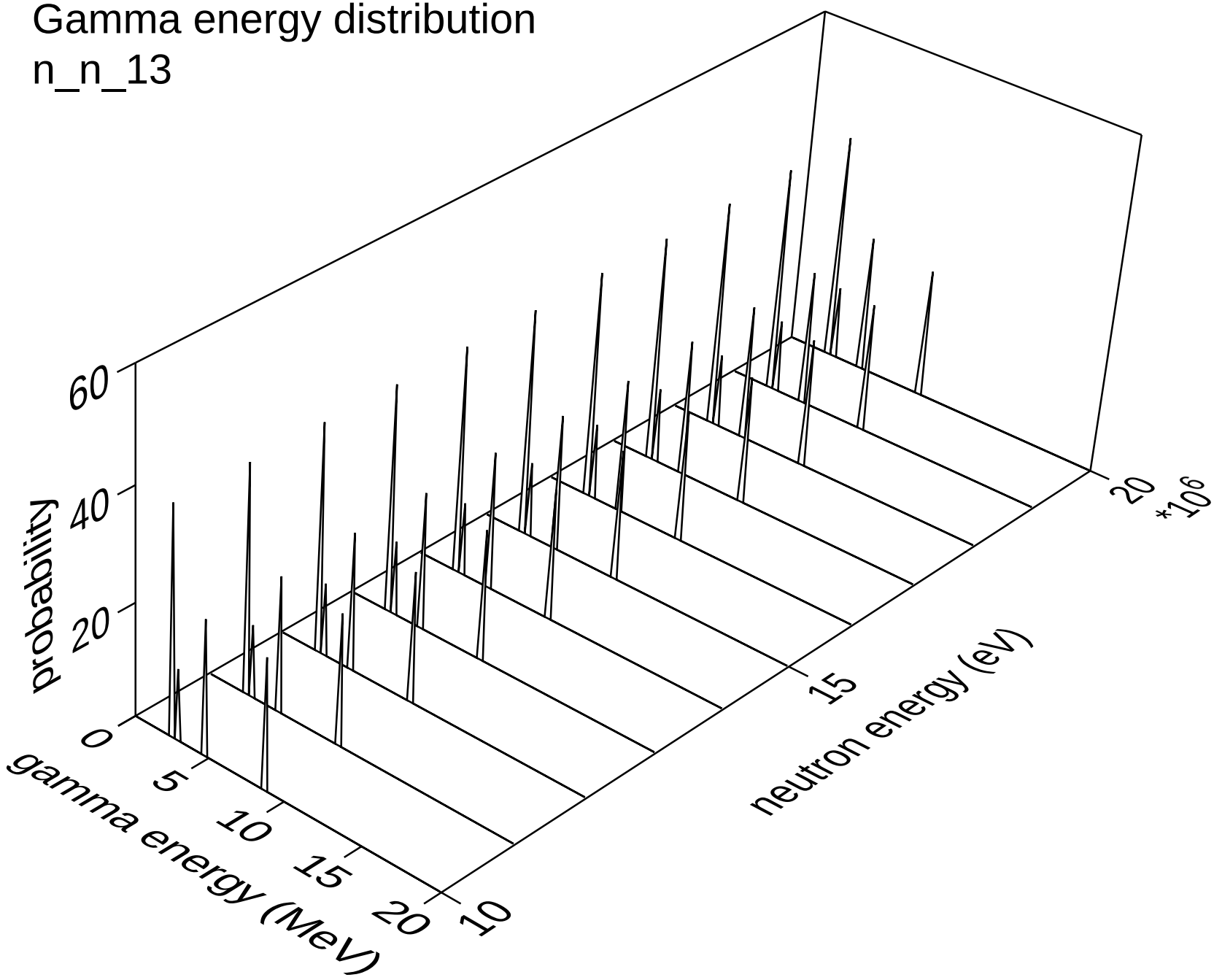
Gamma multiplicities distribution
n_n_11

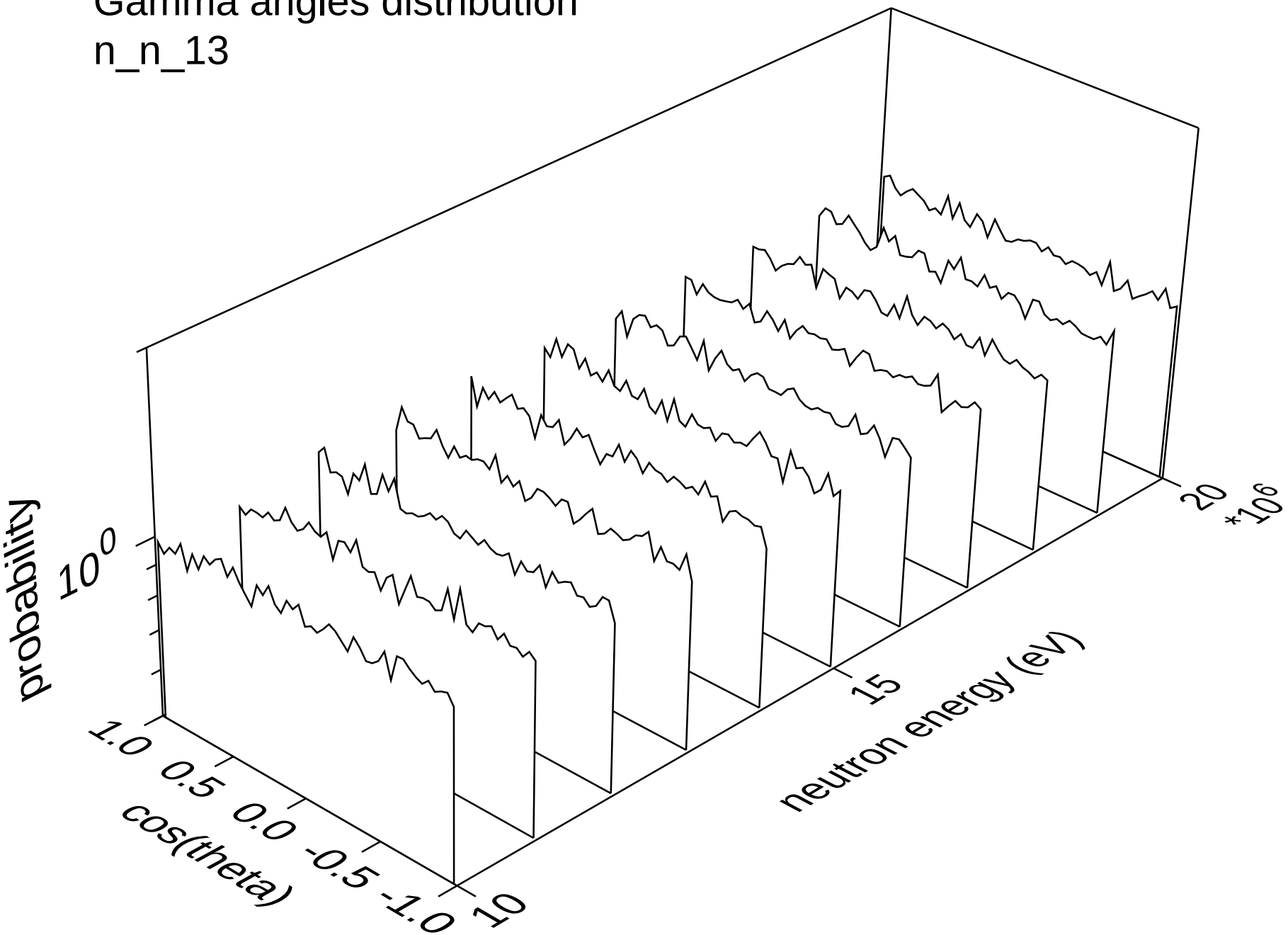



Gamma energy distribution
n_n_12
probability
100
80
60
40
20
0
gamma energy (MeV)
5
10
15
20
10
neutron energy (eV)
15
20
*10^6

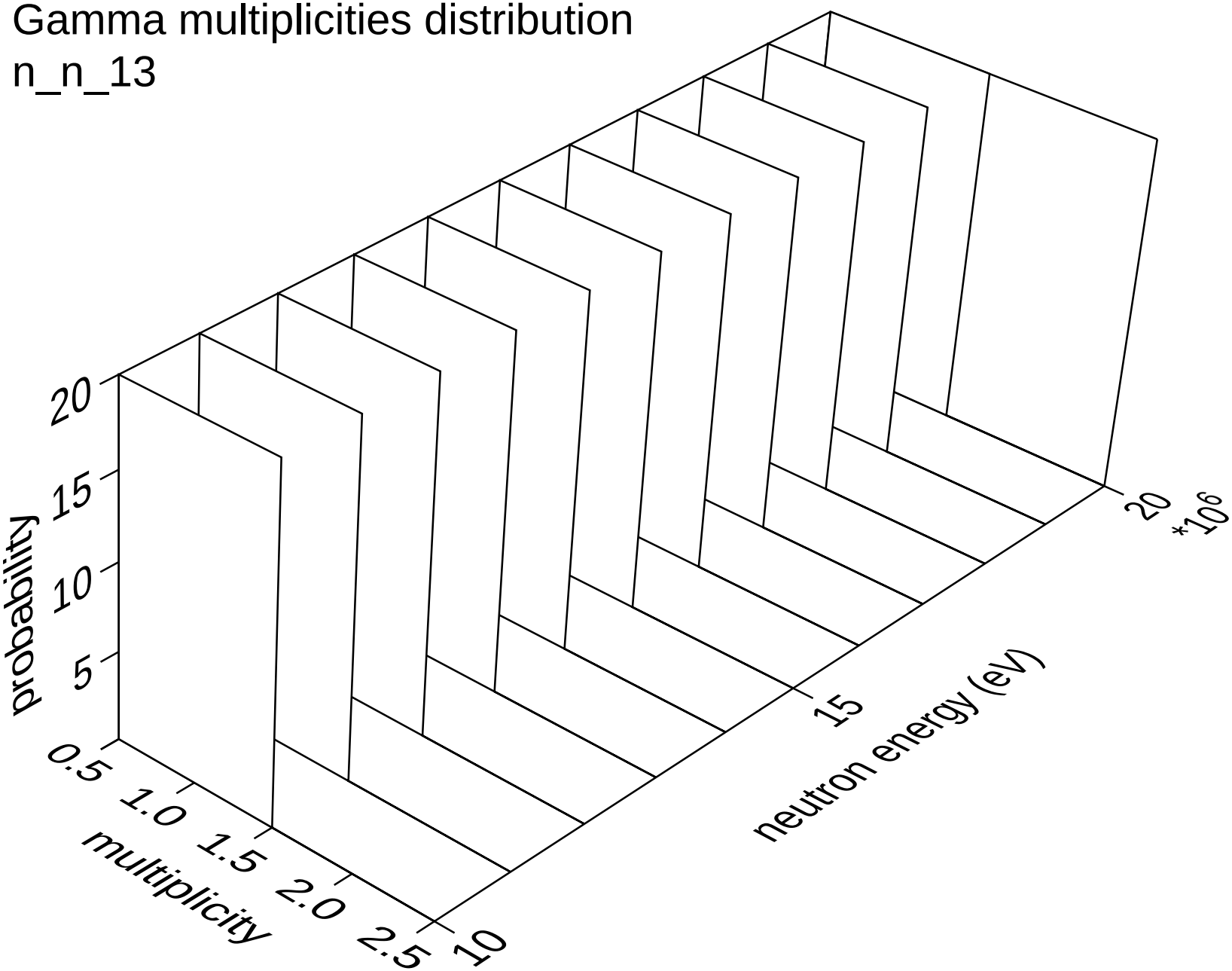

Gamma angles distribution
n_n_12
probability
10^0
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
10
15
20
neutron energy (eV)
*10^6

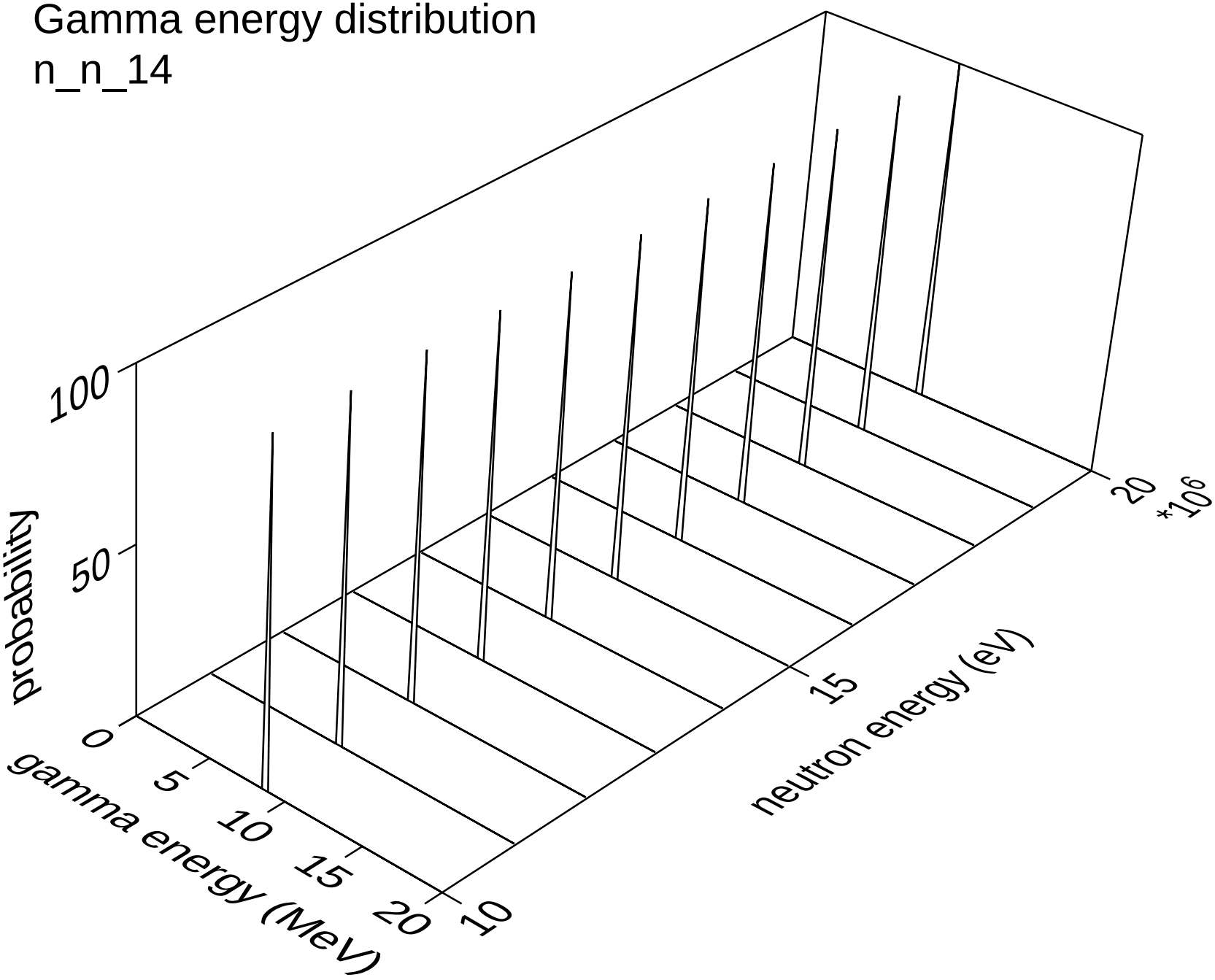

Gamma multiplicities distribution
n_n_12
probability
20
15
10
5
0.5
1.0
1.5
2.0
2.5
multiplicity
10
15
20
*10^6
neutron energy (eV)

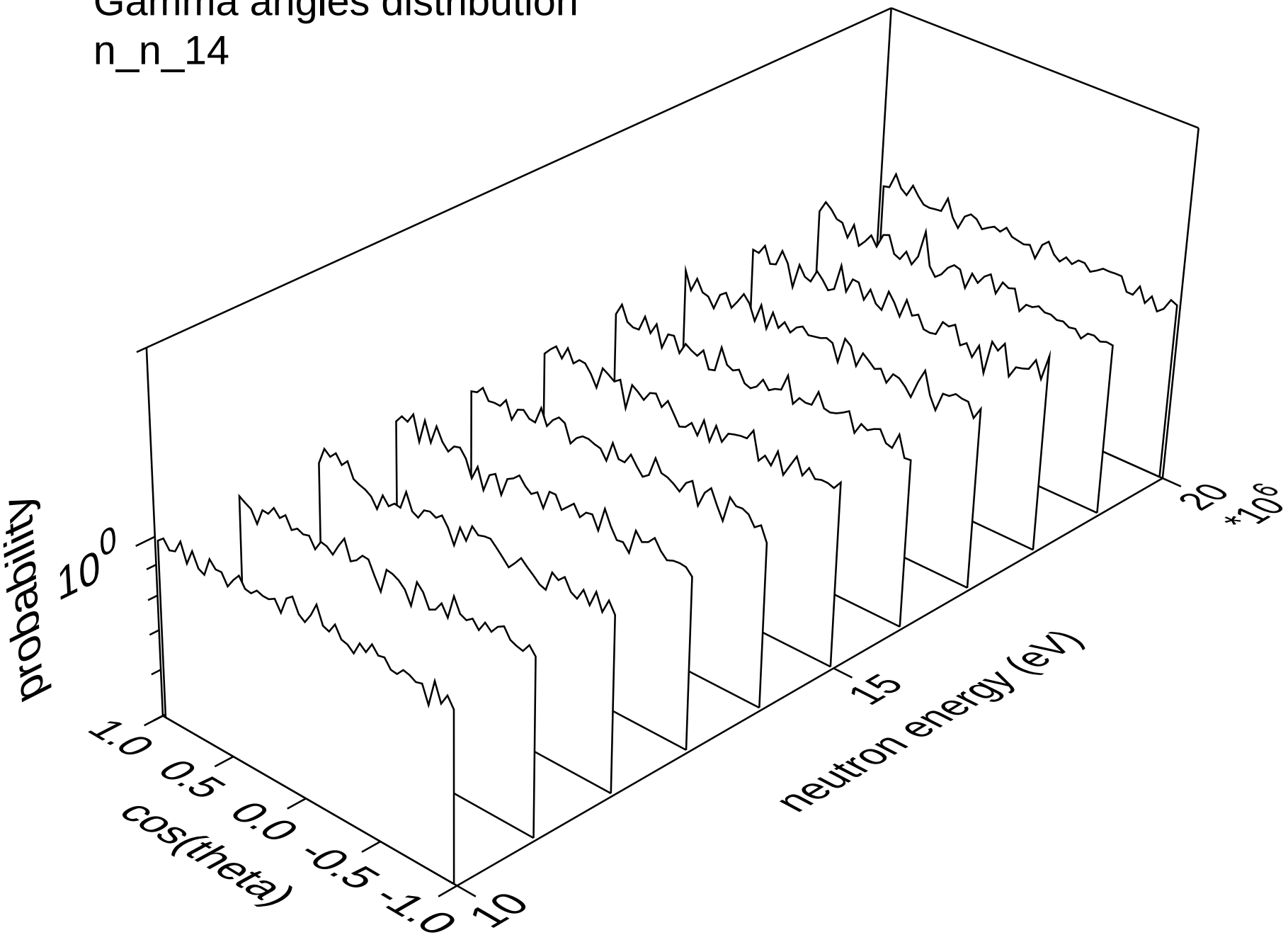

Gamma energy distribution
n_n_13
probability
60
40
20
0
gamma energy (MeV)
5
10
15
20
10
neutron energy (eV)
15
20
*10^6


Gamma angles distribution
n_n_13
probability
10^0
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
10
15
20
*10^6
neutron energy (eV)

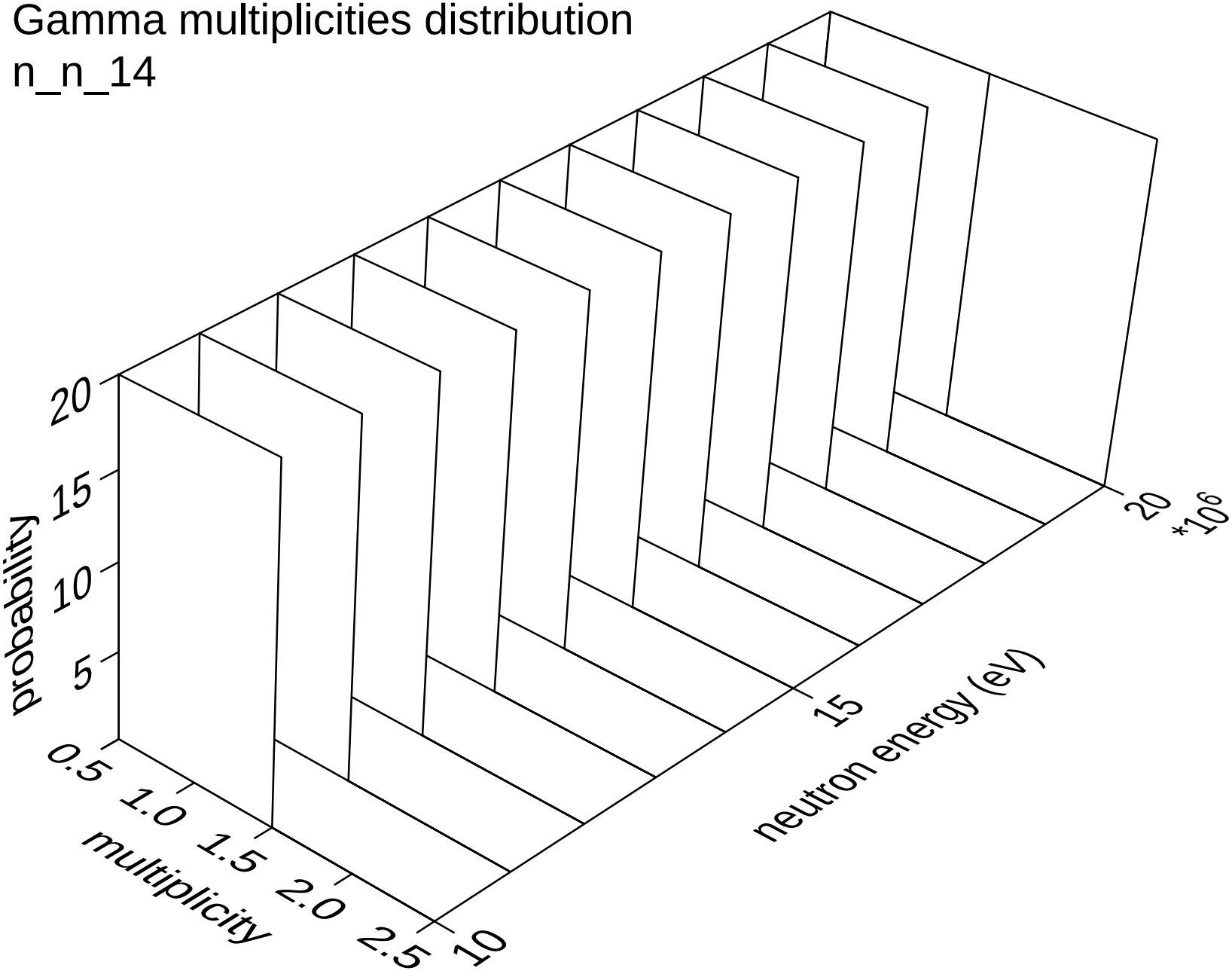
Gamma multiplicities distribution
n_n_13

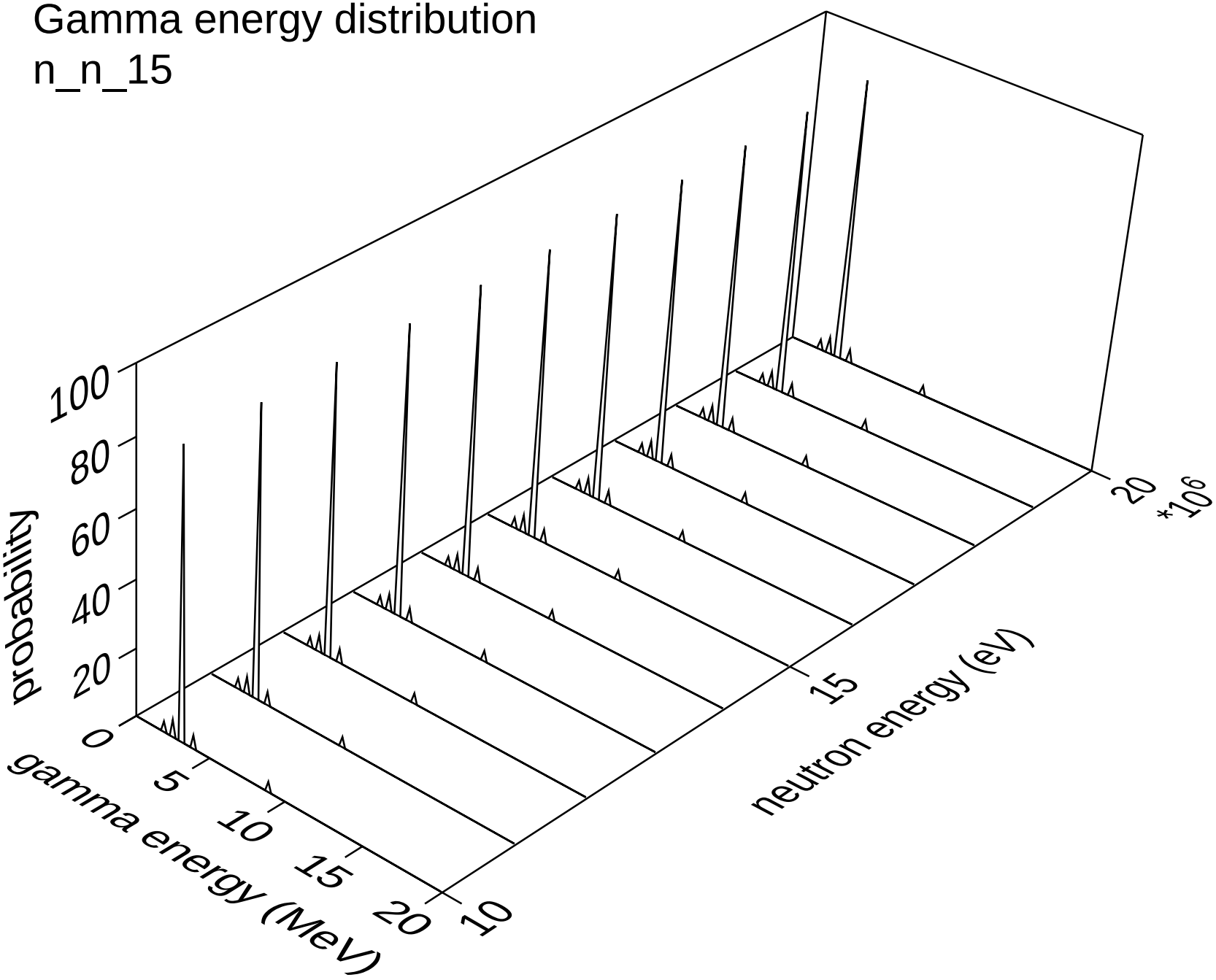


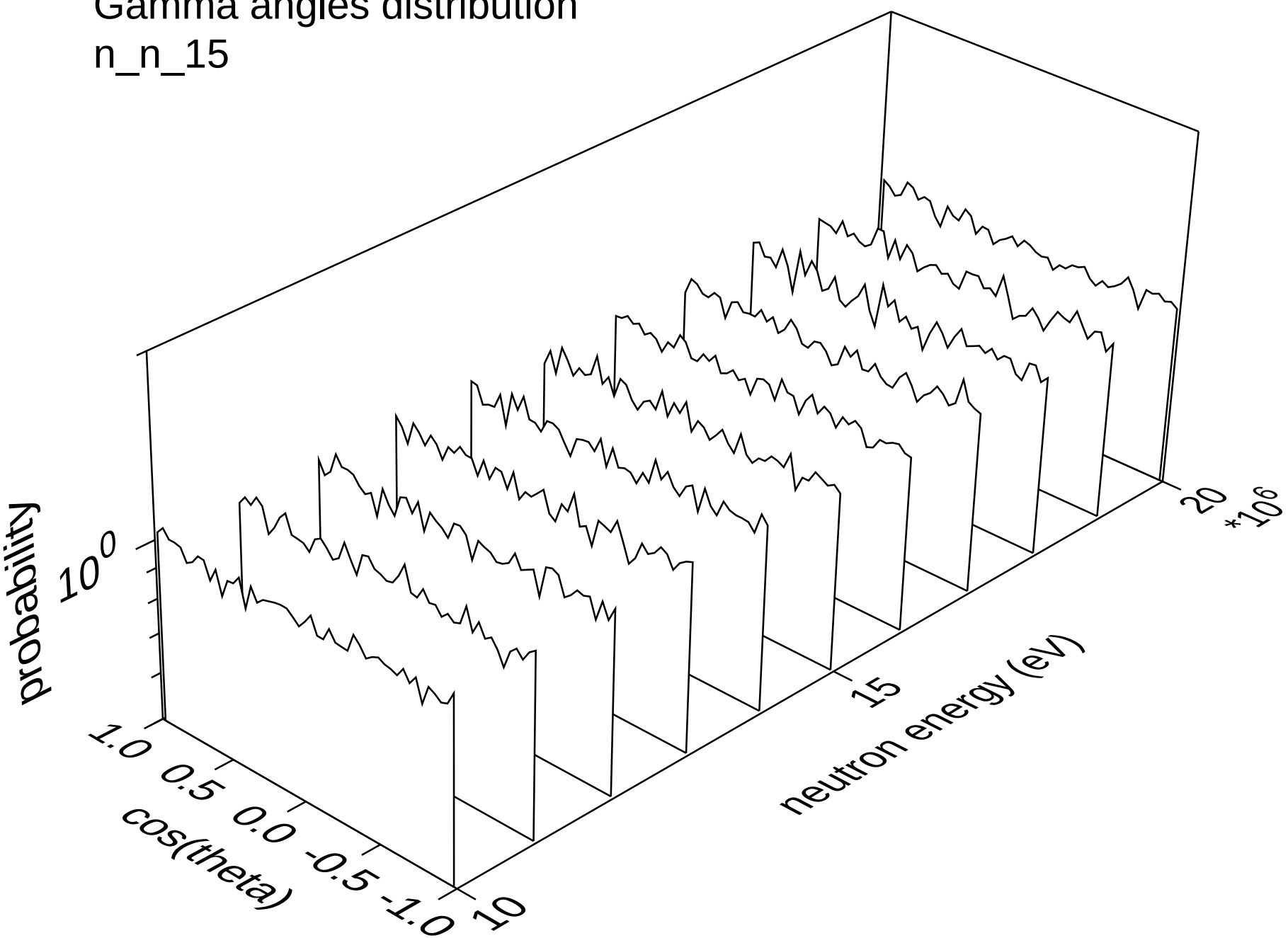

Gamma energy distribution
n_n_14
probability
100
50
0
gamma energy (MeV)
0
5
10
15
20
neutron energy (eV)
10
15
20
*10^6


Gamma angles distribution
n_n_14
probability
10^0
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
10
15
20
neutron energy (eV)
*10^6

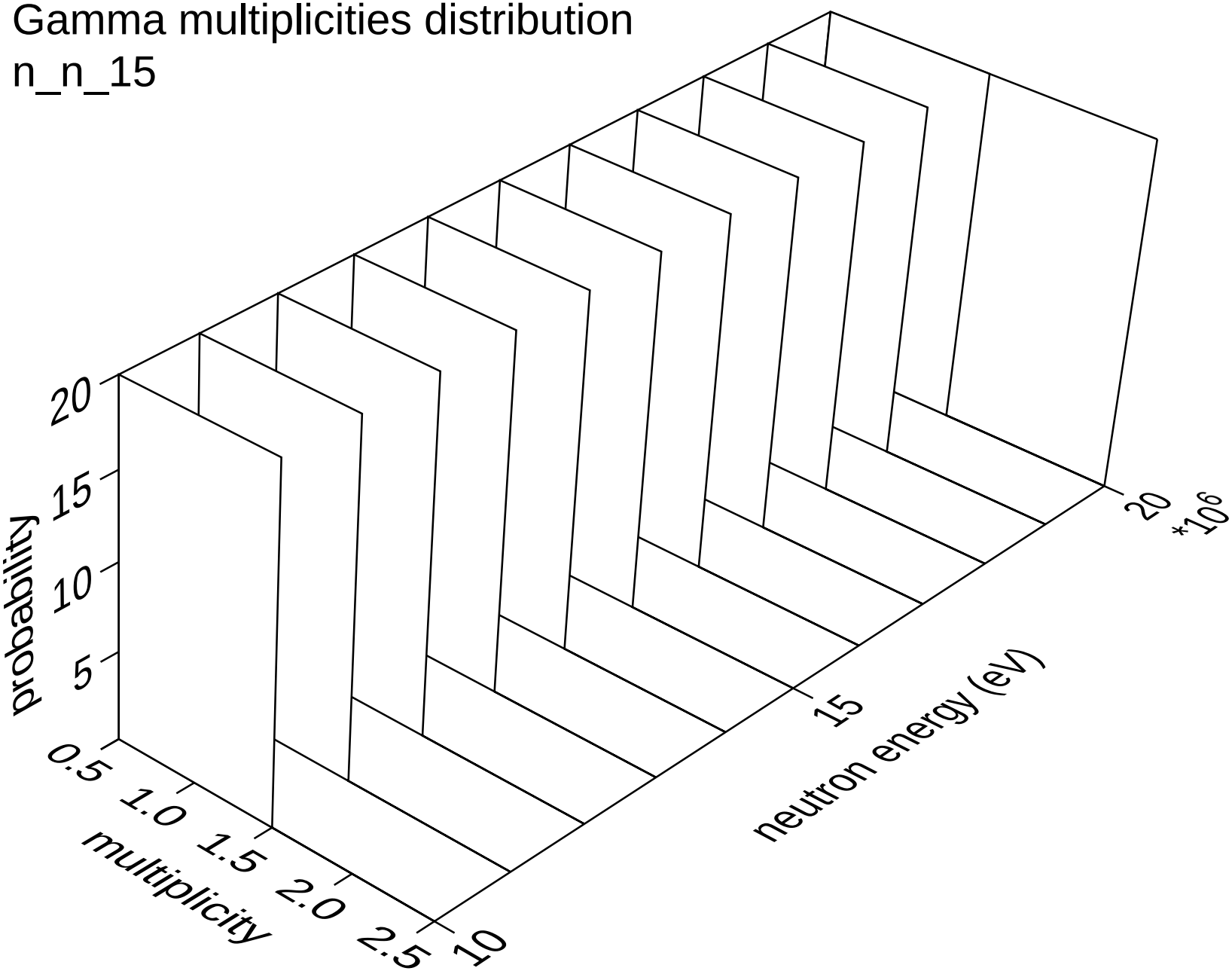
Gamma multiplicities distribution
n_n_14

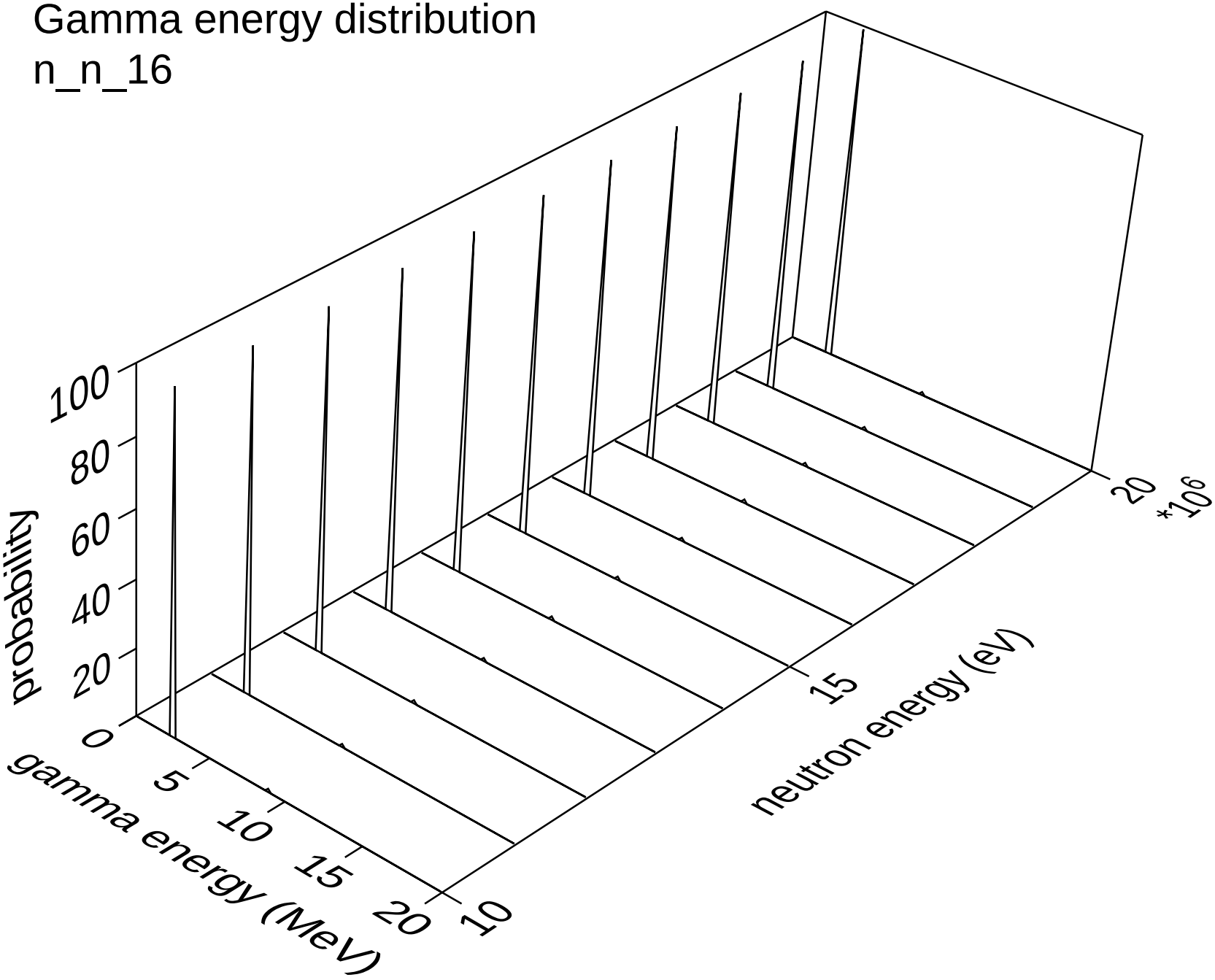


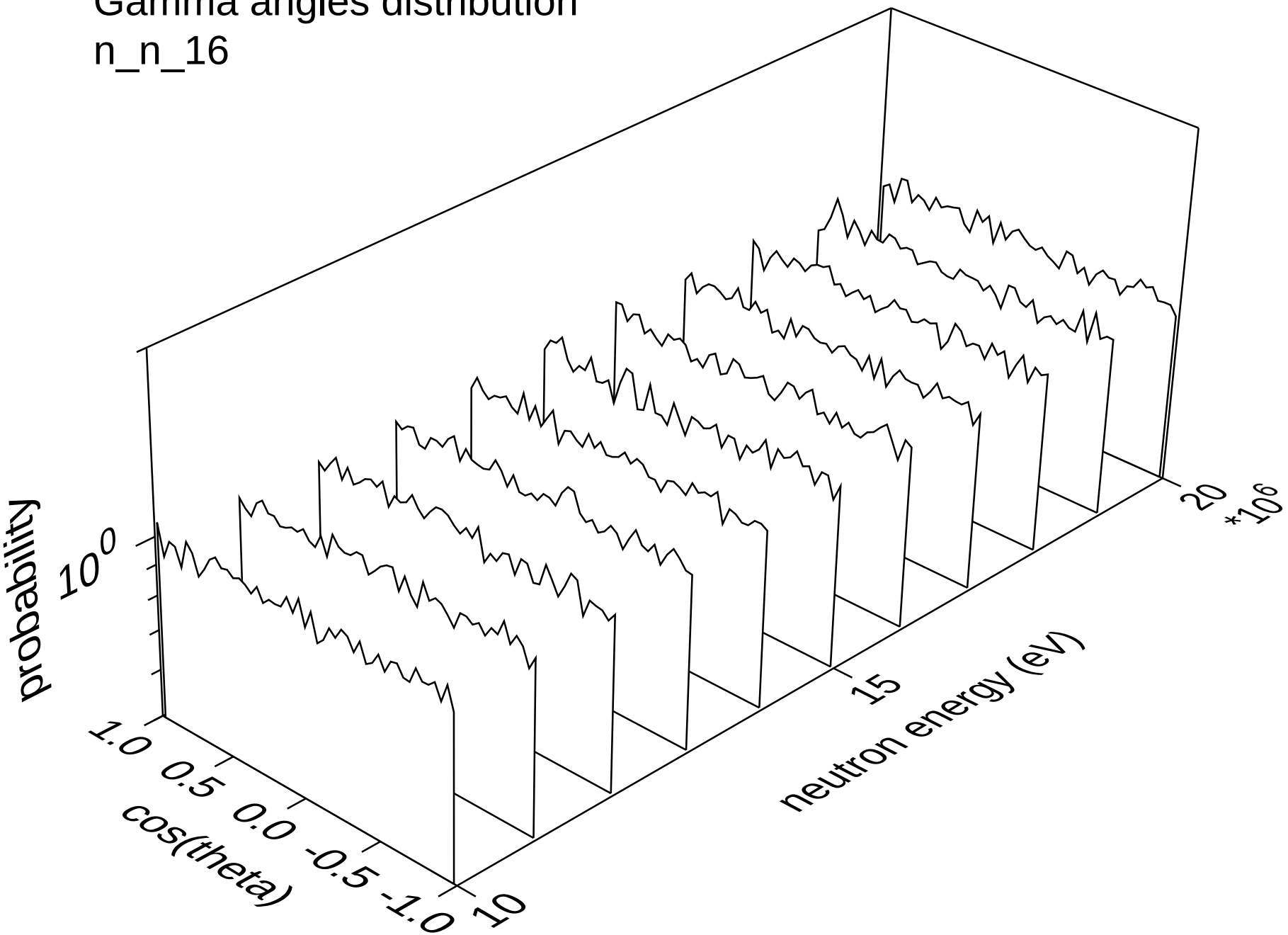

Gamma energy distribution
n_n_15
probability
100
80
60
40
20
0
gamma energy (MeV)
5
10
15
20
10
neutron energy (eV)
15
20
*10^6


Gamma angles distribution
n_n_15
probability
10^0
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
10
15
20
*10^6
neutron energy (eV)

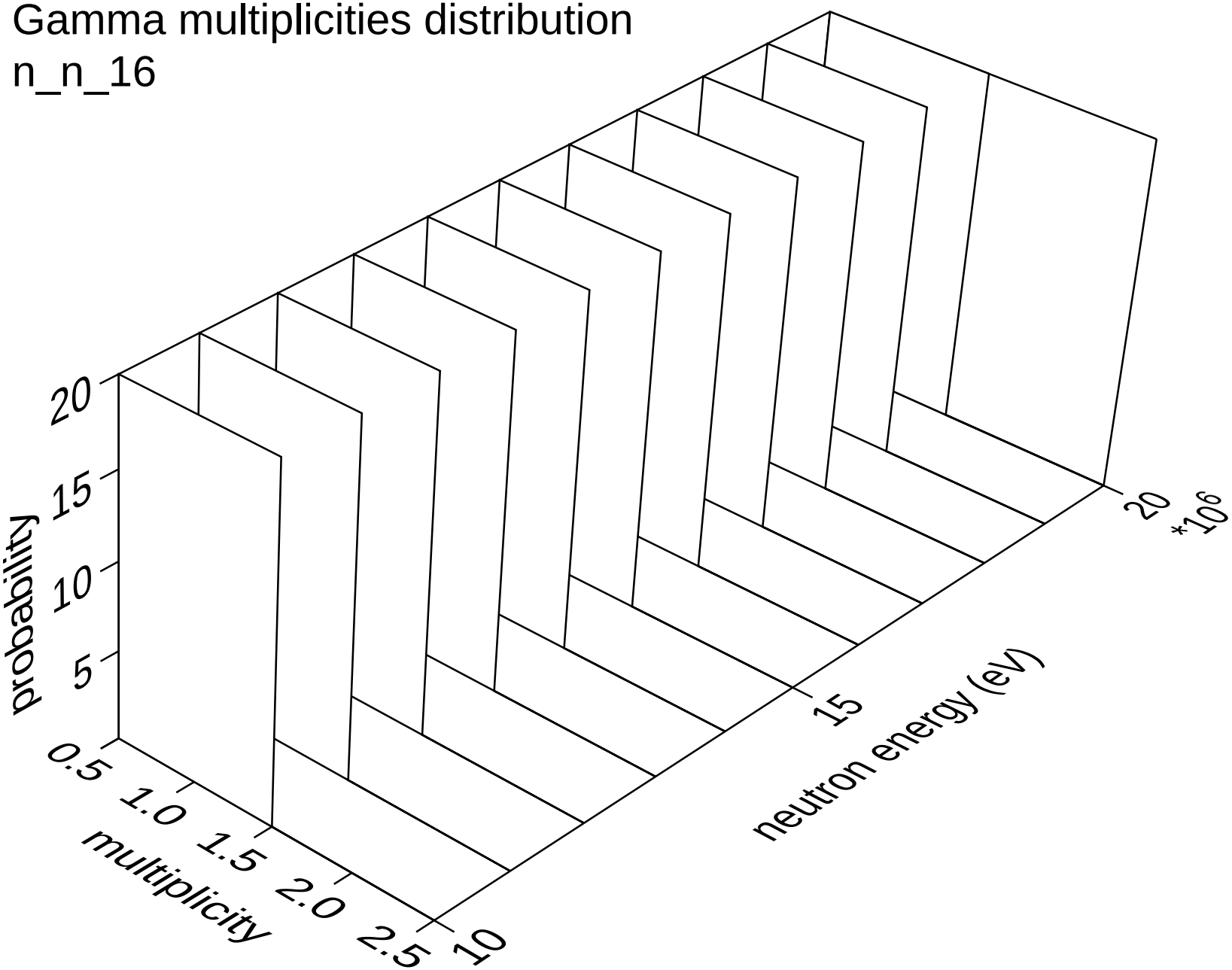
Gamma multiplicities distribution
n_n_15

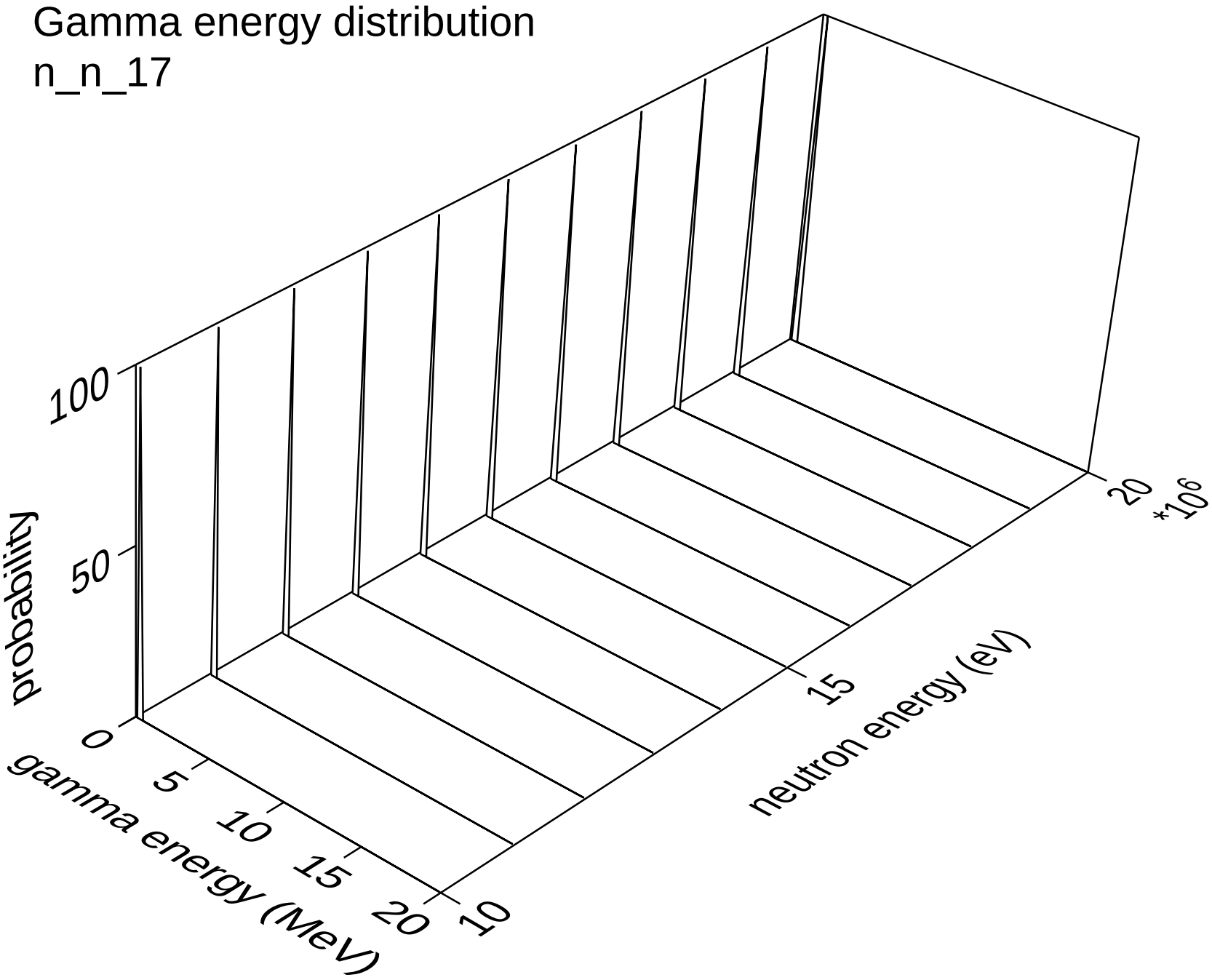


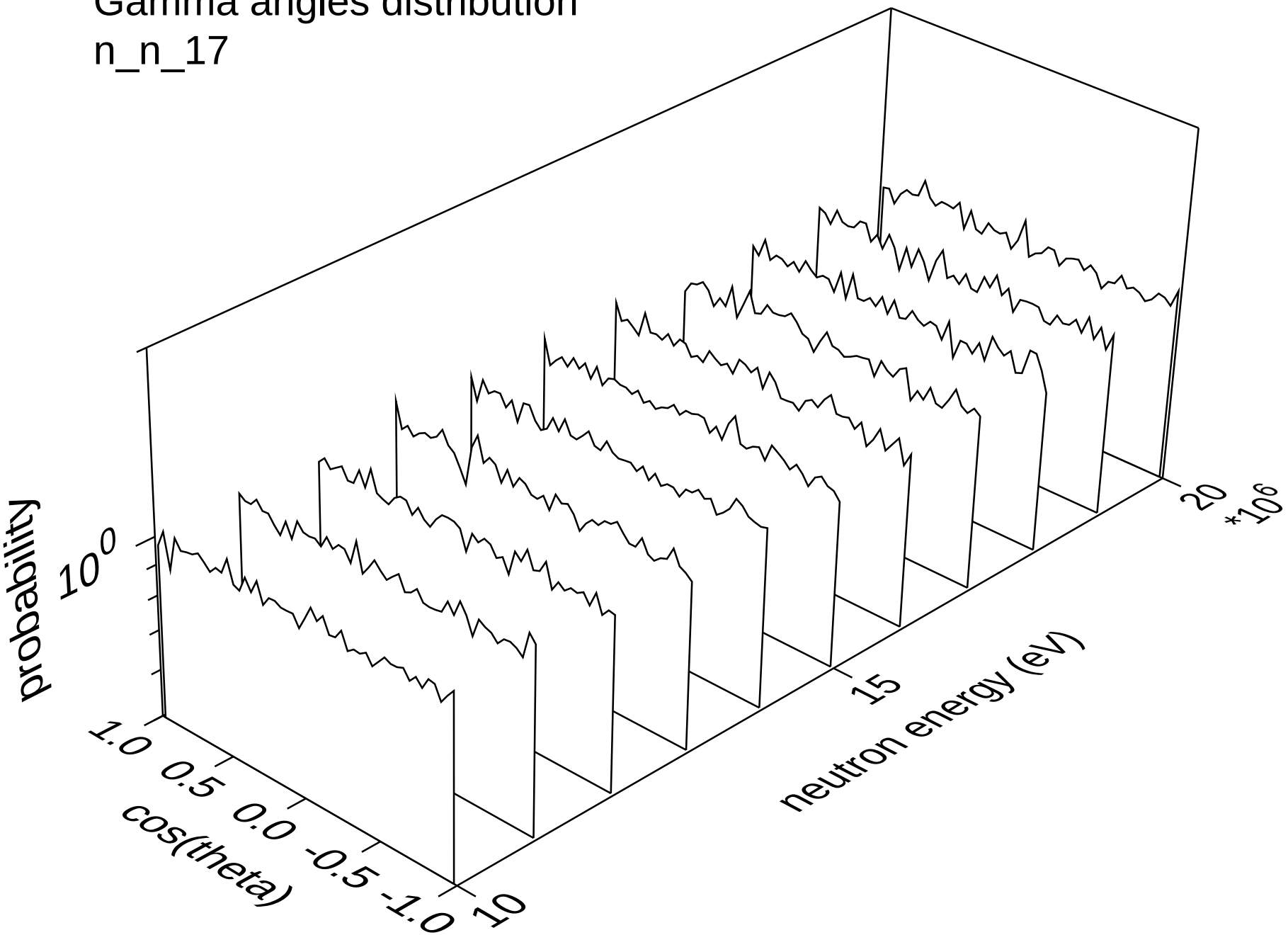

Gamma energy distribution
n_n_16
probability
100
80
60
40
20
0
gamma energy (MeV)
5
10
15
20
10
15
20
*10^6
neutron energy (eV)


Gamma angles distribution
n_n_16
probability
10^0
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
10
15
20
neutron energy (eV)
*10^6

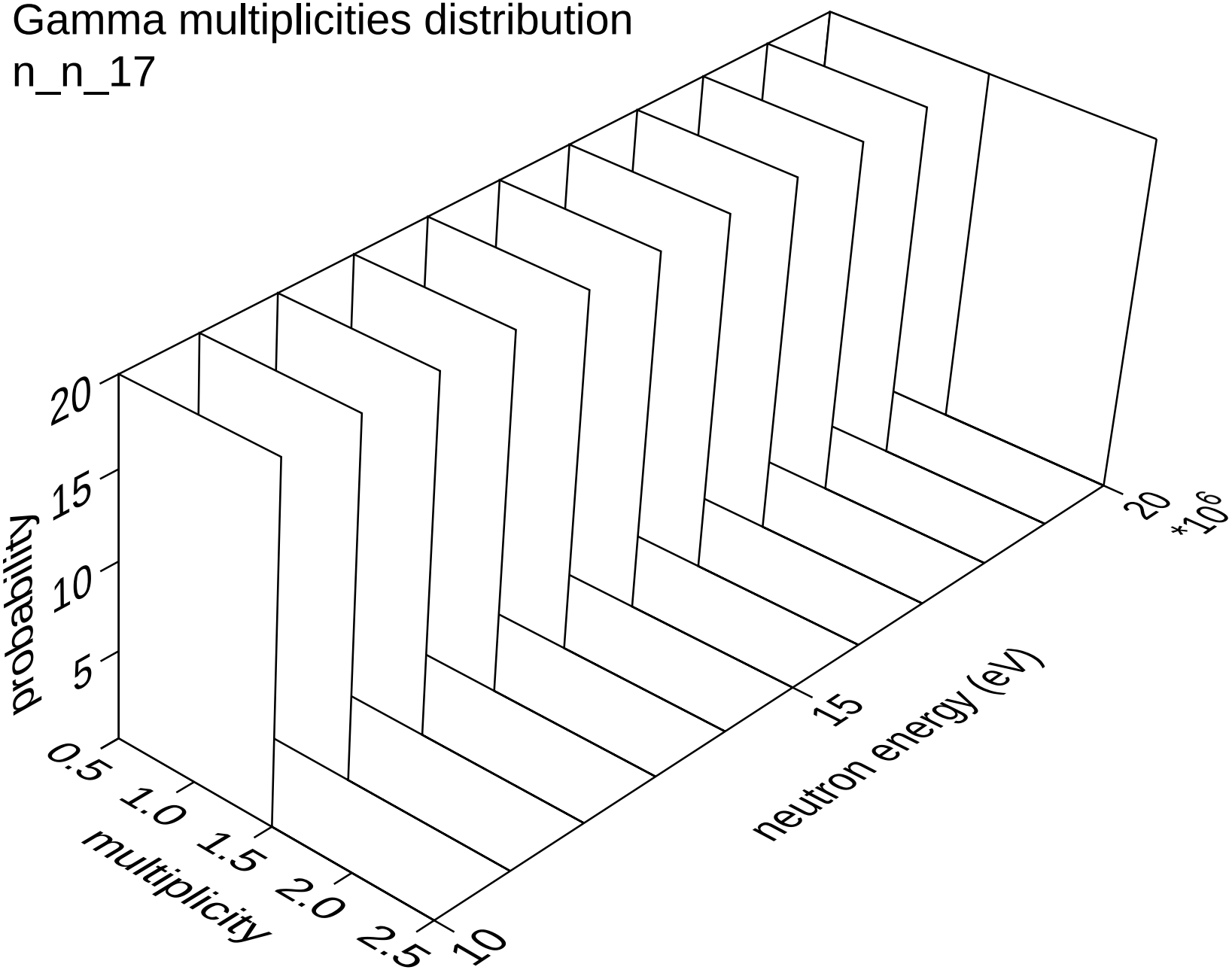
Gamma multiplicities distribution
n_n_16

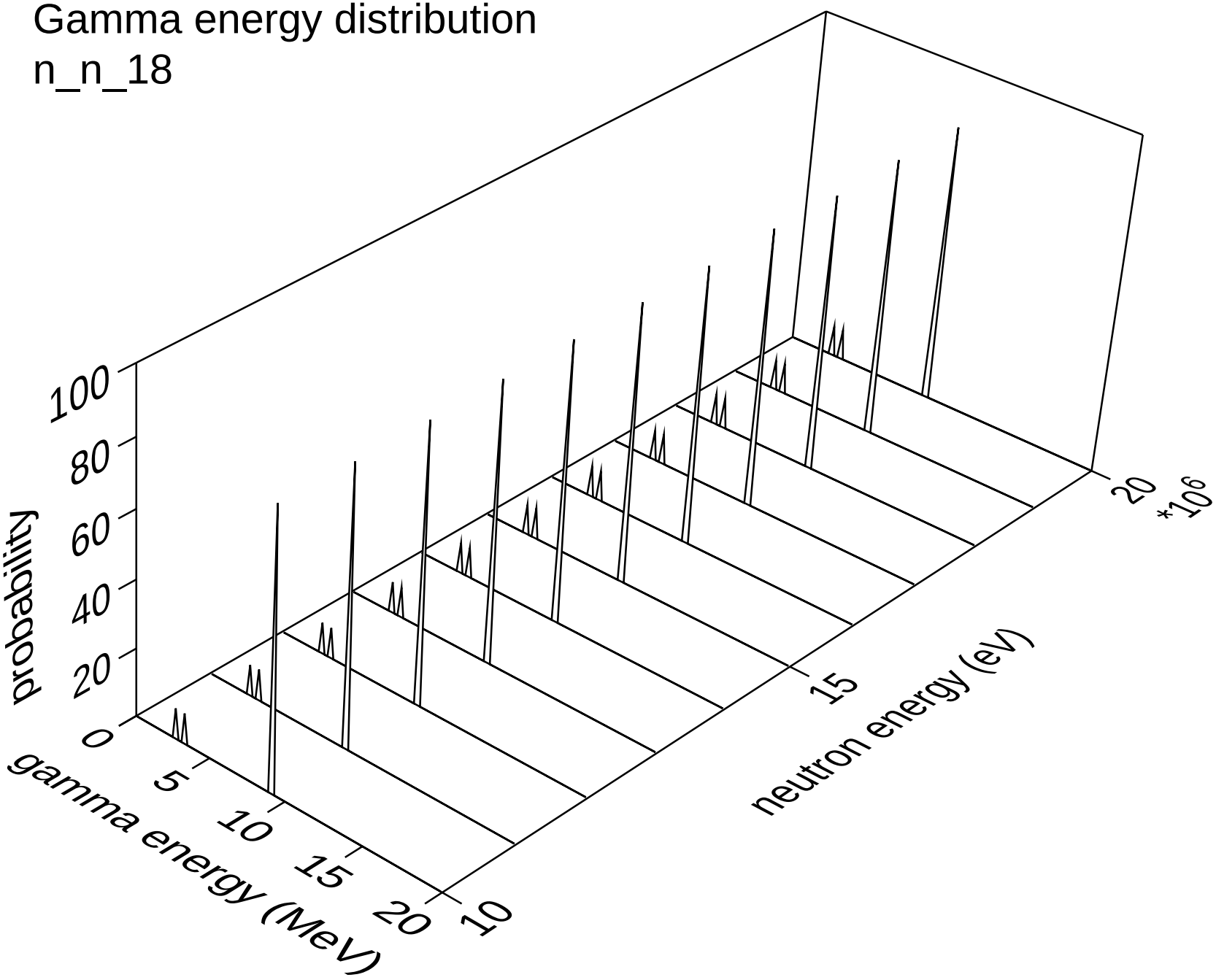


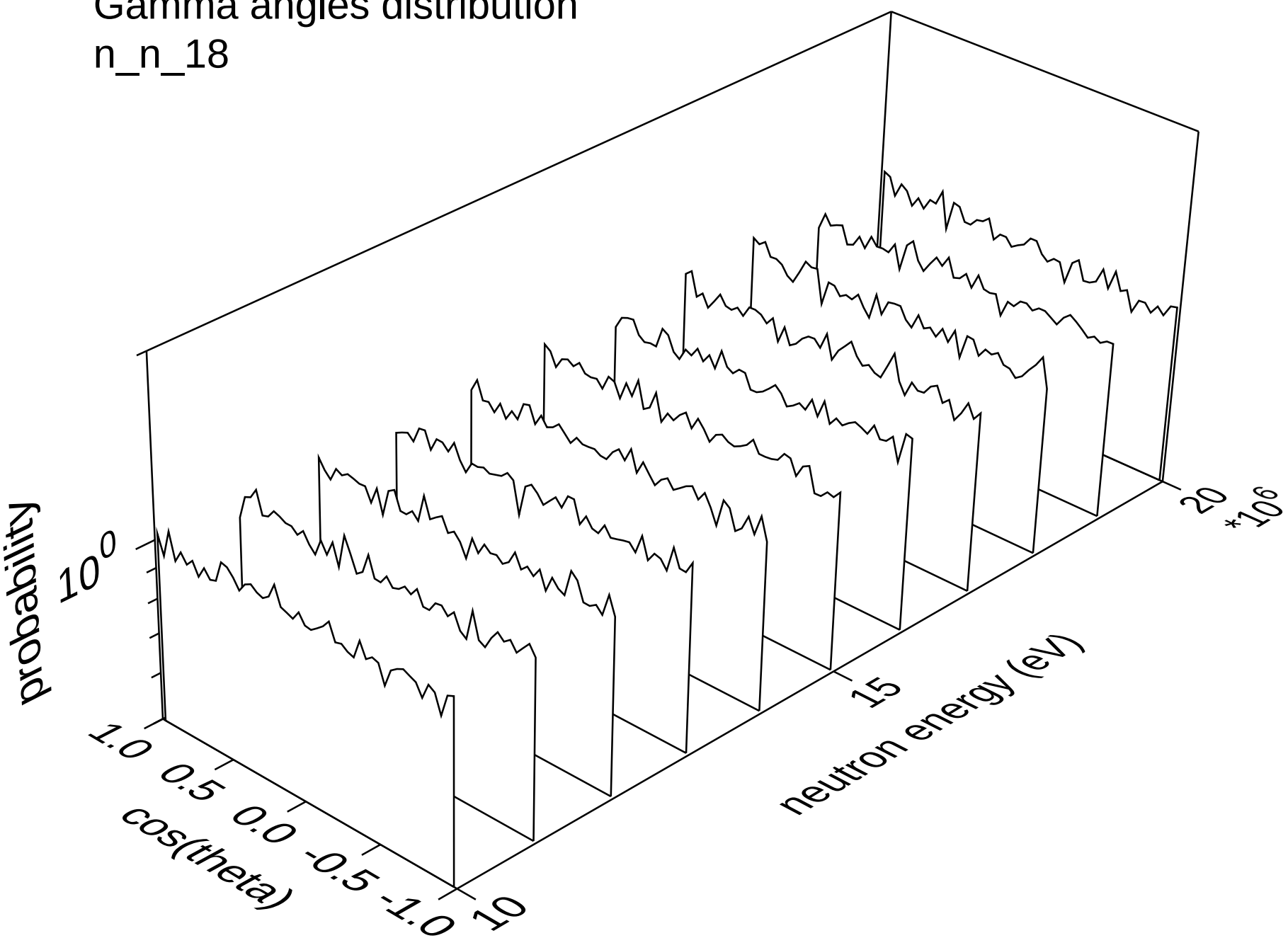

Gamma energy distribution
n_n_17
probability
100
50
0
gamma energy (MeV)
0
5
10
15
20
neutron energy (eV)
10
15
20
*10^6


Gamma angles distribution
n_n_17
probability
10^0
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
10
15
20
neutron energy (eV)
*10^6

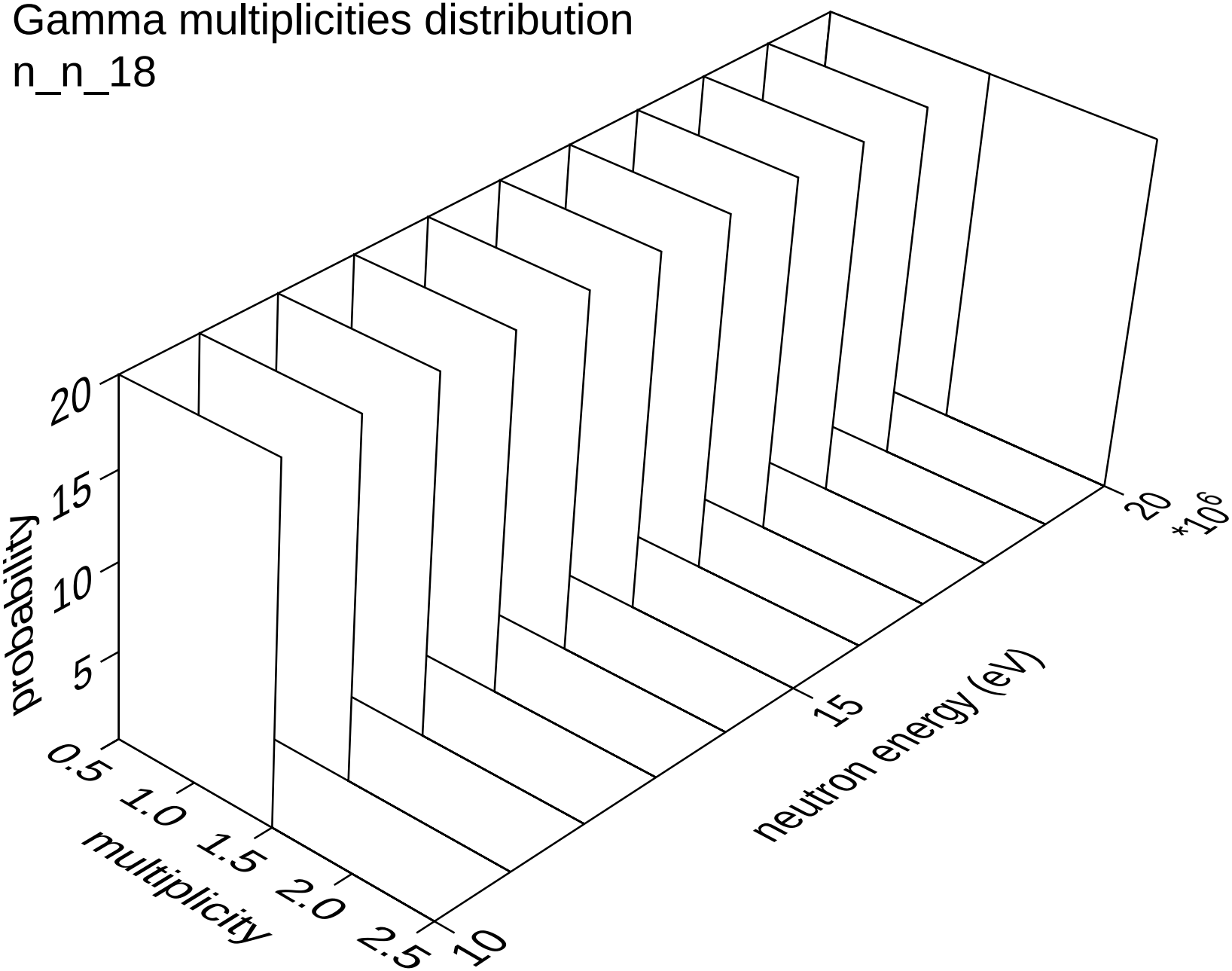
Gamma multiplicities distribution
n_n_17

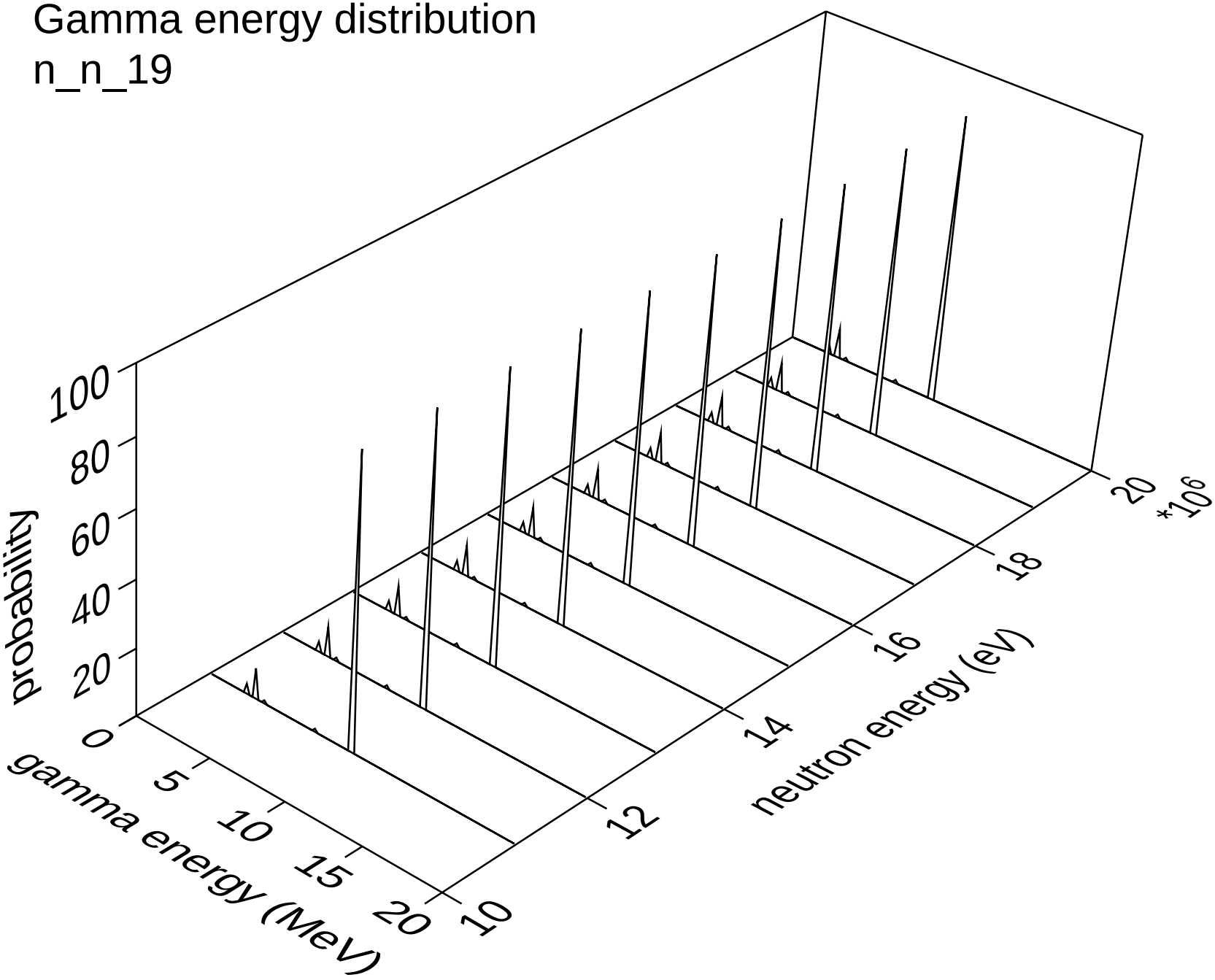


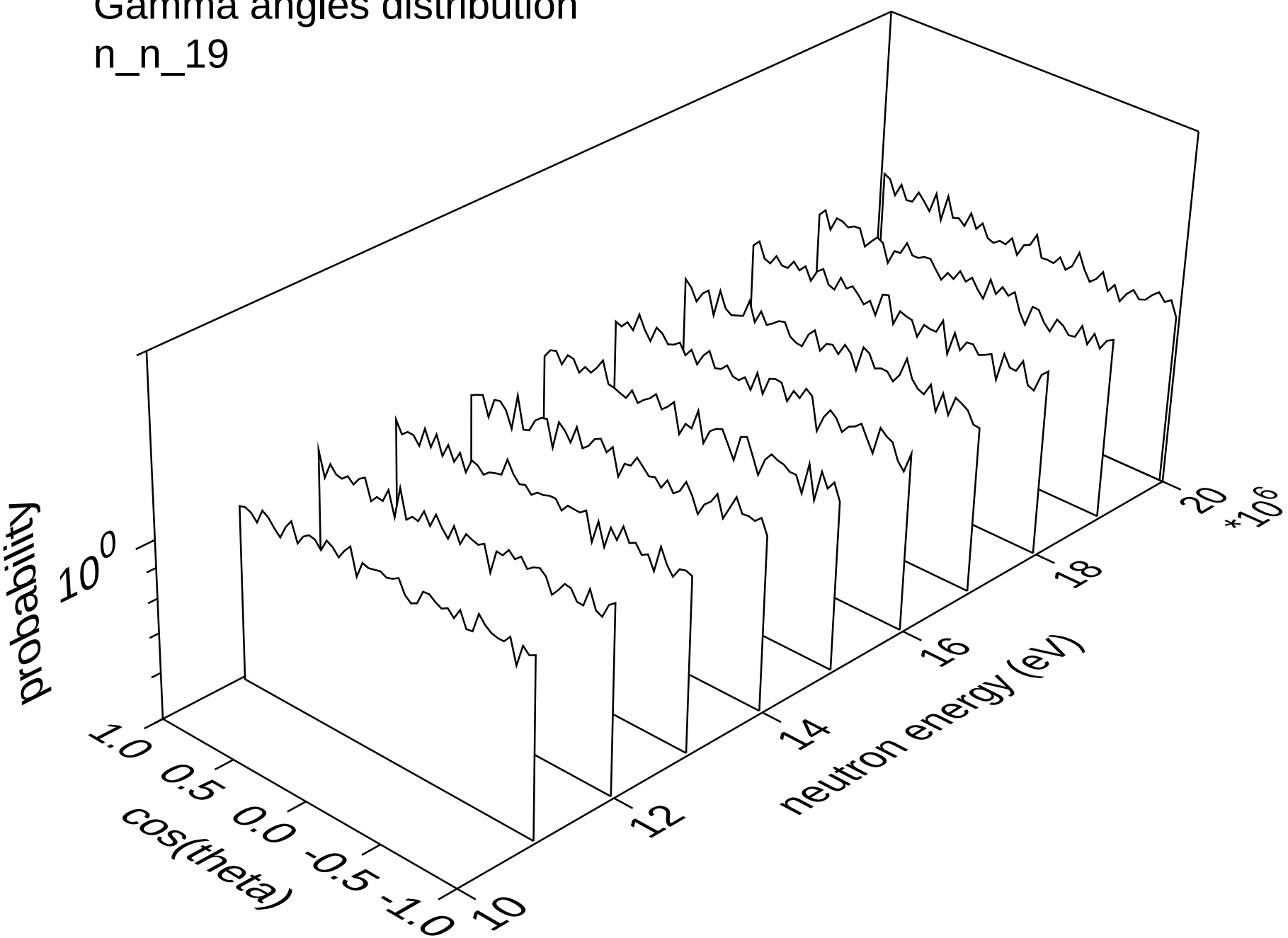

Gamma energy distribution
n_n_18
probability
100
80
60
40
20
0
gamma energy (MeV)
5
10
15
20
10
15
20
*10^6
neutron energy (eV)

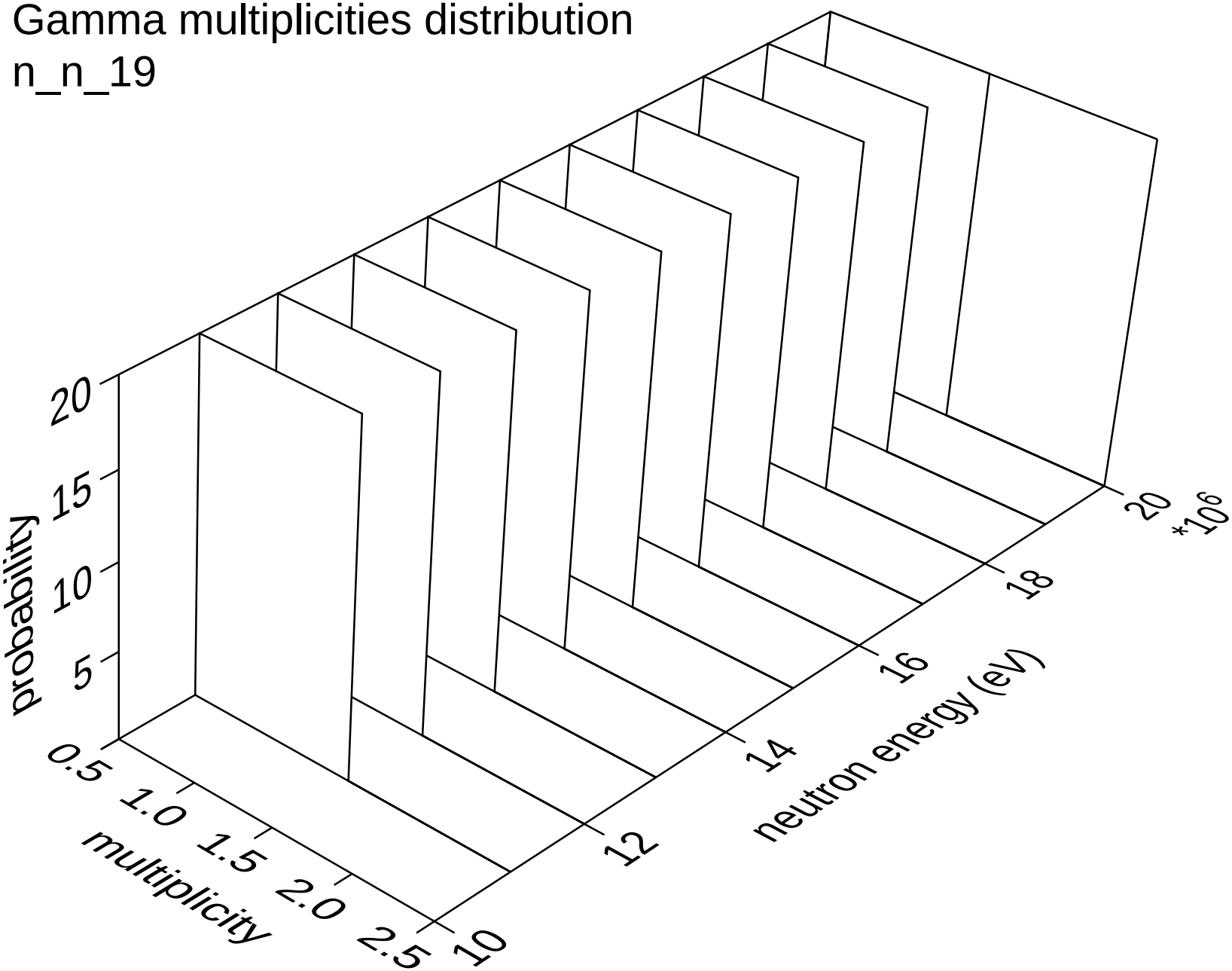

Gamma angles distribution
n_n_18
probability
10^0
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
10
15
20
neutron energy (eV)
*10^6

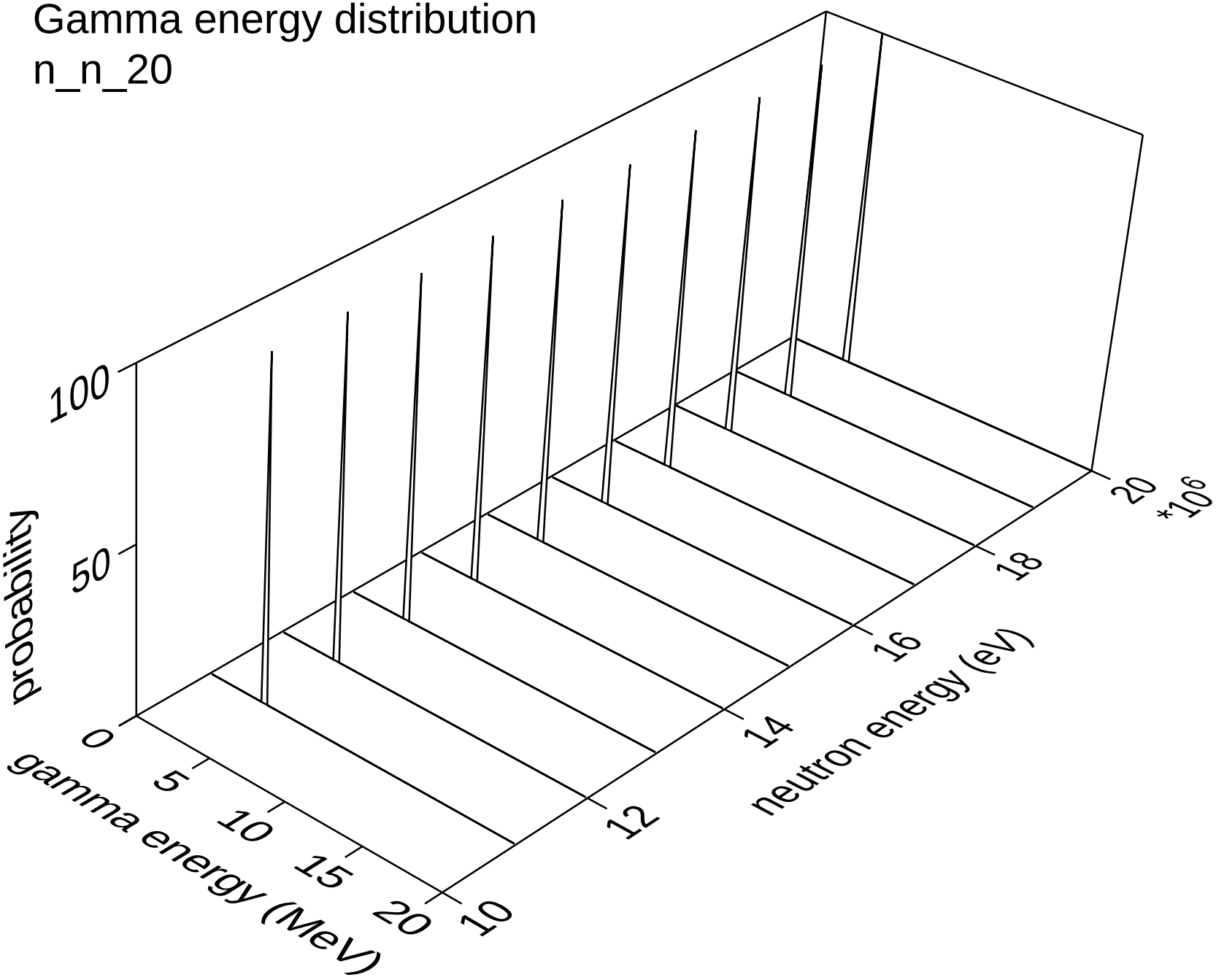
Gamma multiplicities distribution
n_n_18

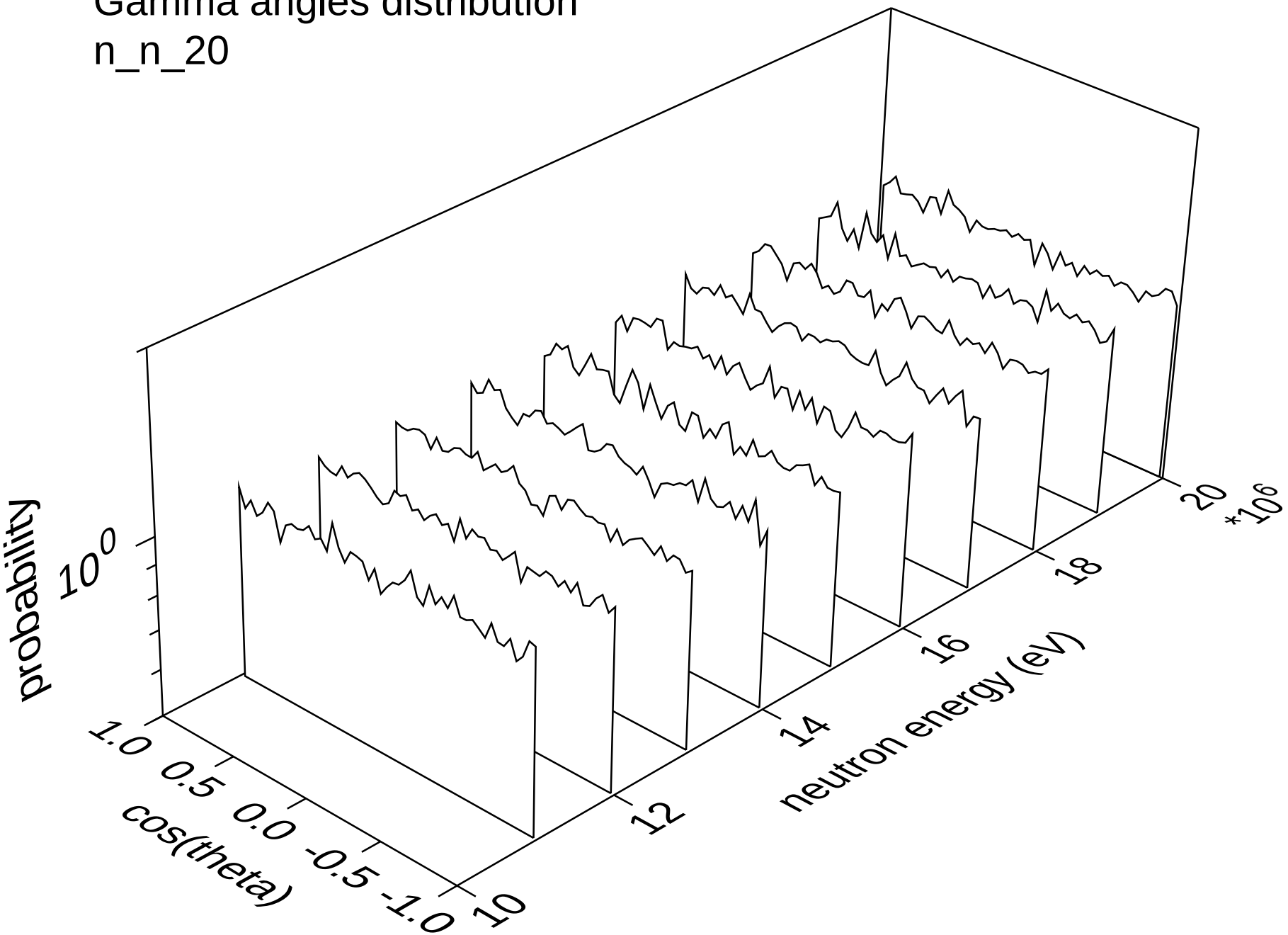



Gamma energy distribution
n_n_19
probability
100
80
60
40
20
0
gamma energy (MeV)
5
10
15
20
10
12
14
16
18
20
*10^6
neutron energy (eV)

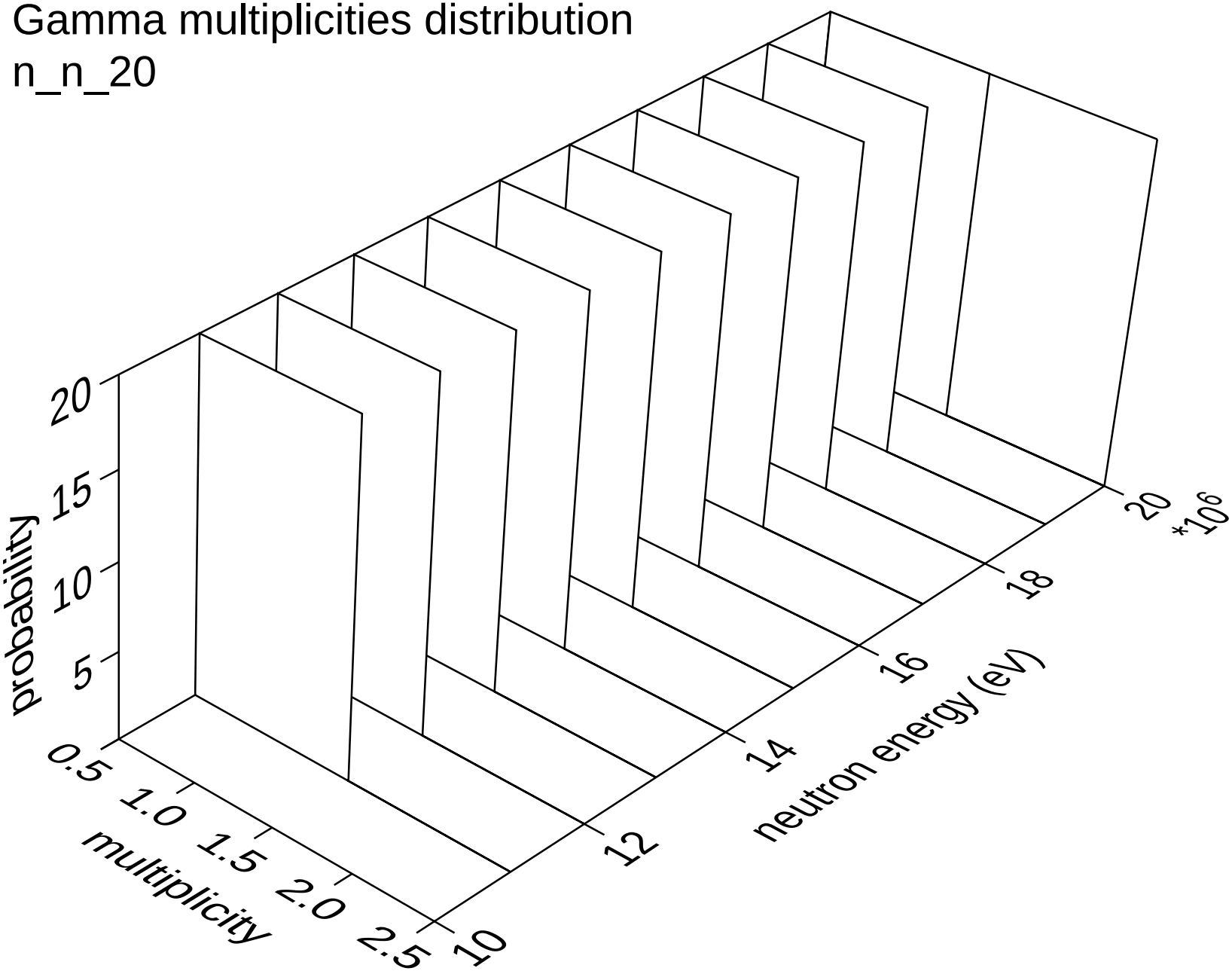

Gamma angles distribution
n_n_19
probability
10^0
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
10
12
14
16
18
20
*10^6
neutron energy (eV)

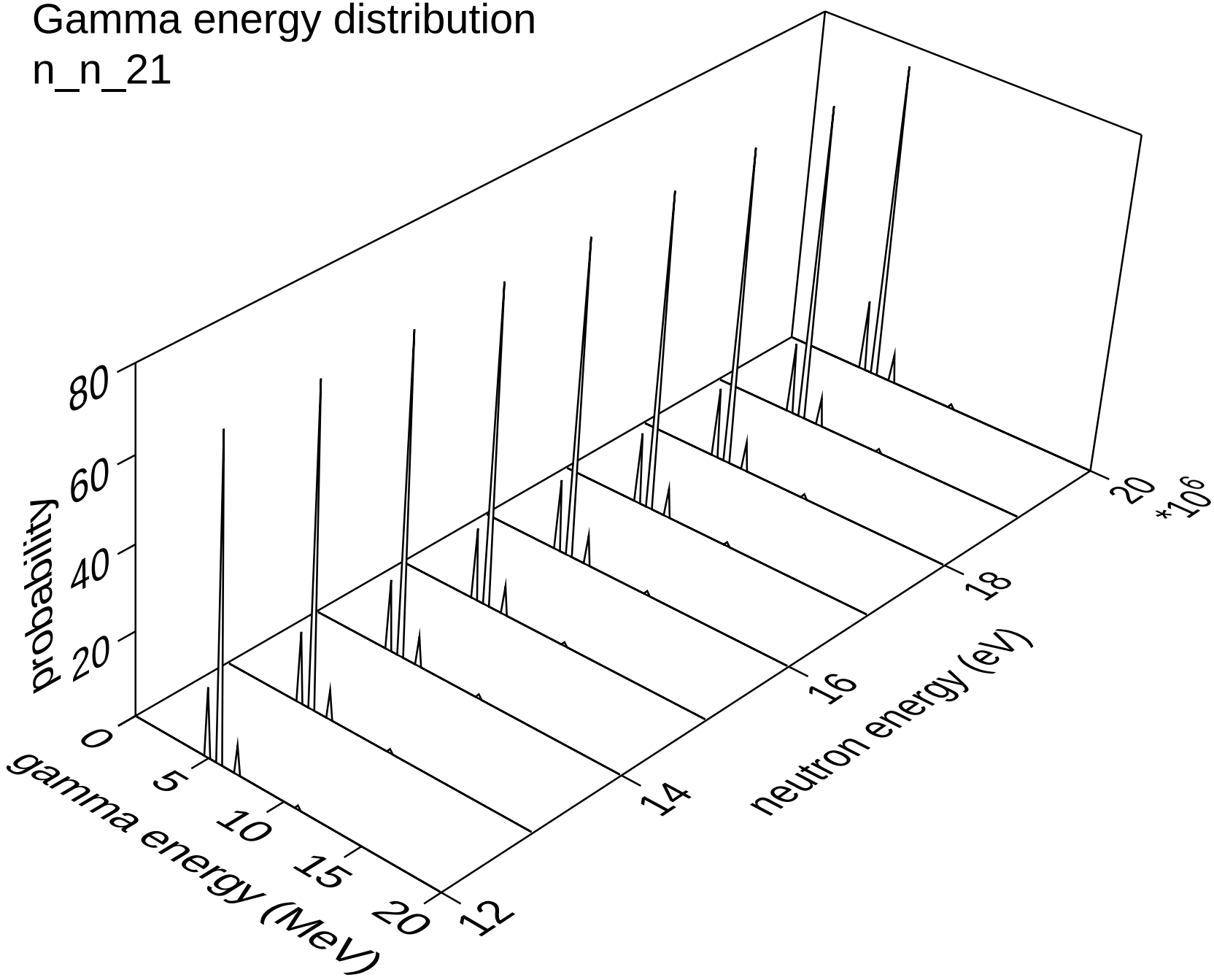

Gamma multiplicities distribution
n_n_19
probability
20
15
10
5
0.5
1.0
1.5
2.0
2.5
multiplicity
10
12
14
16
18
20
*10^6
neutron energy (eV)

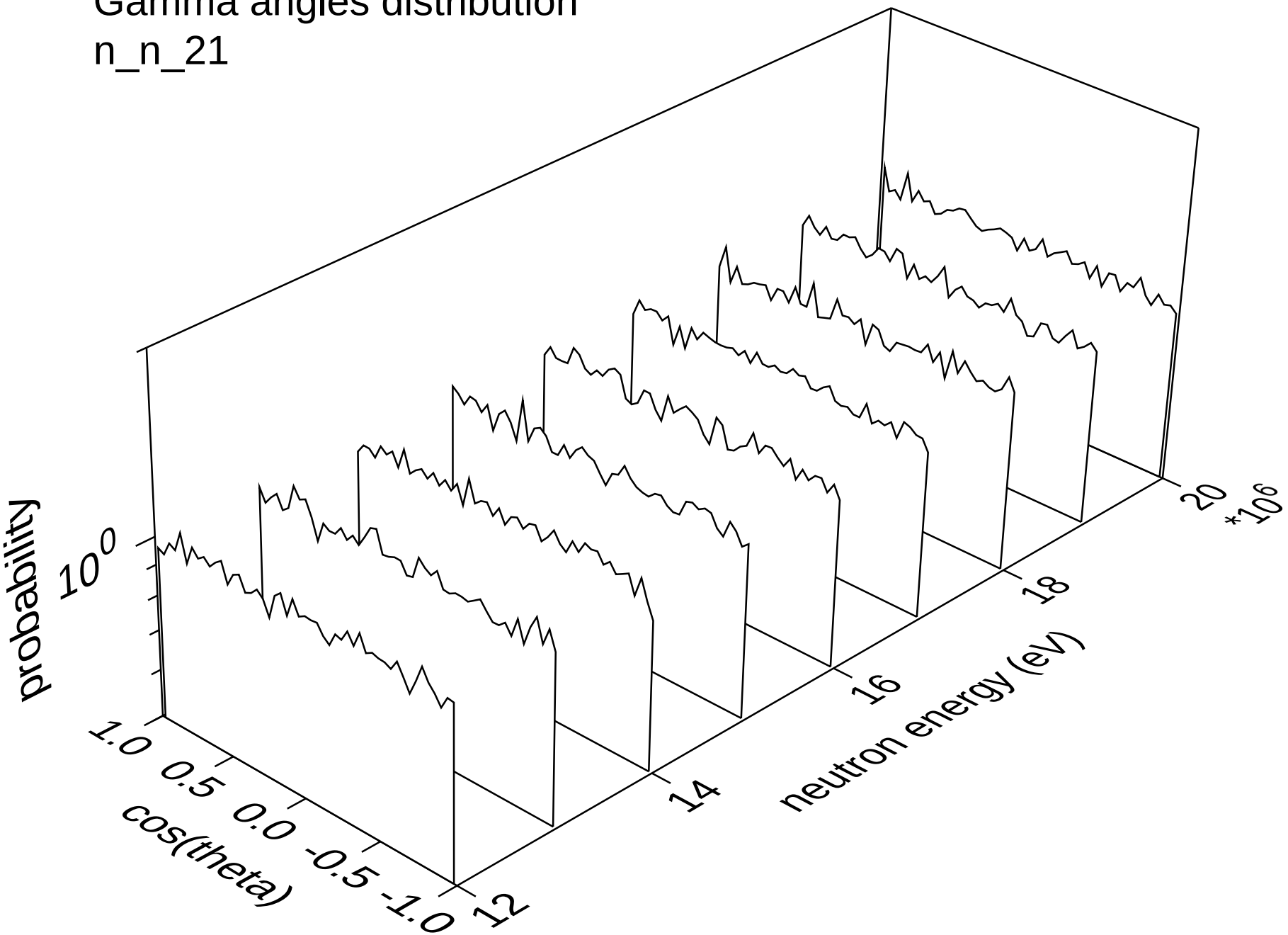

Gamma energy distribution
n_n_20
probability
100
50
0
gamma energy (MeV)
0
5
10
15
20
neutron energy (eV)
10
12
14
16
18
20
*10^6


Gamma angles distribution
n_n_20
probability
10^0
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
10
12
14
16
18
20
*10^6
neutron energy (eV)

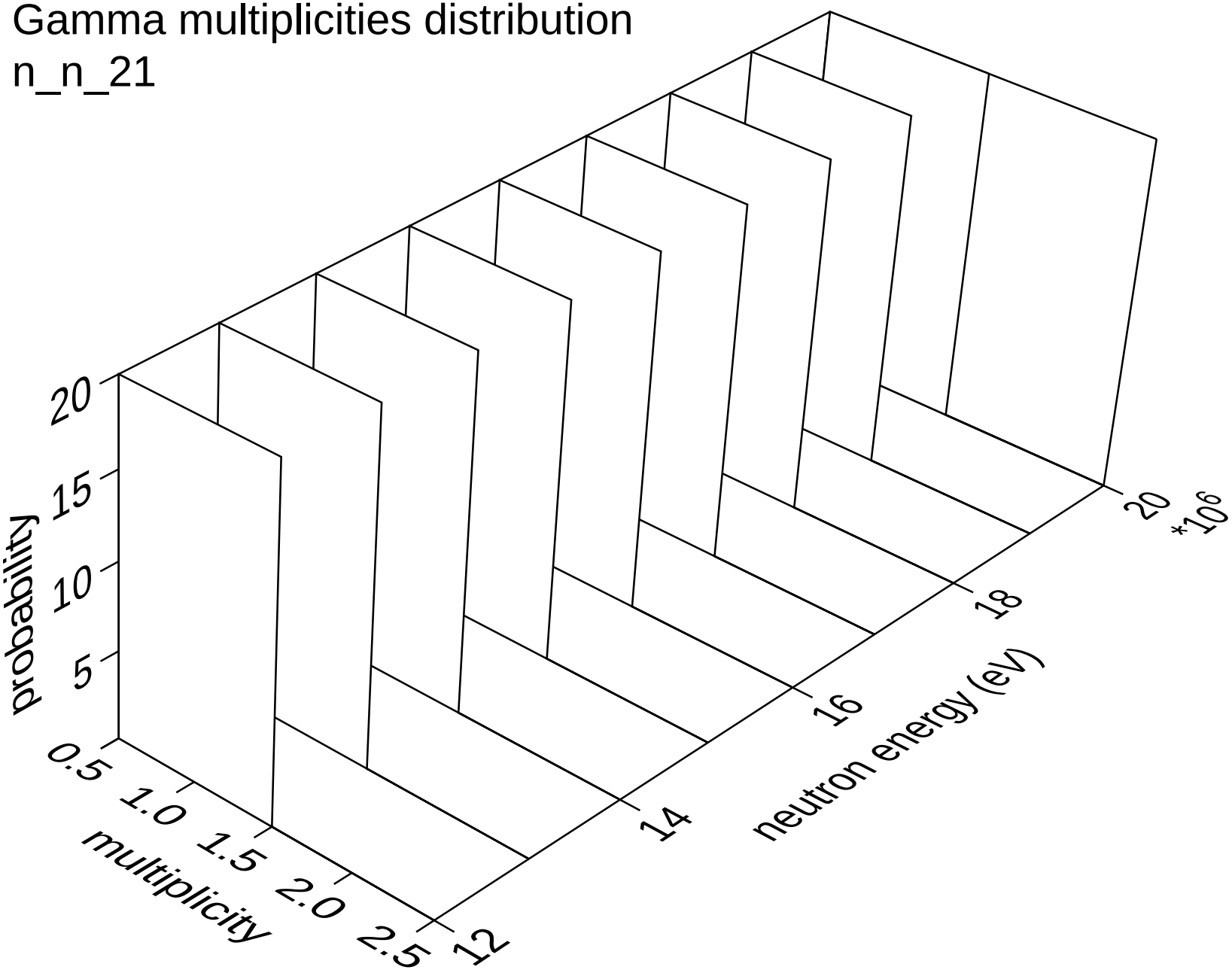
Gamma multiplicities distribution
n_n_20

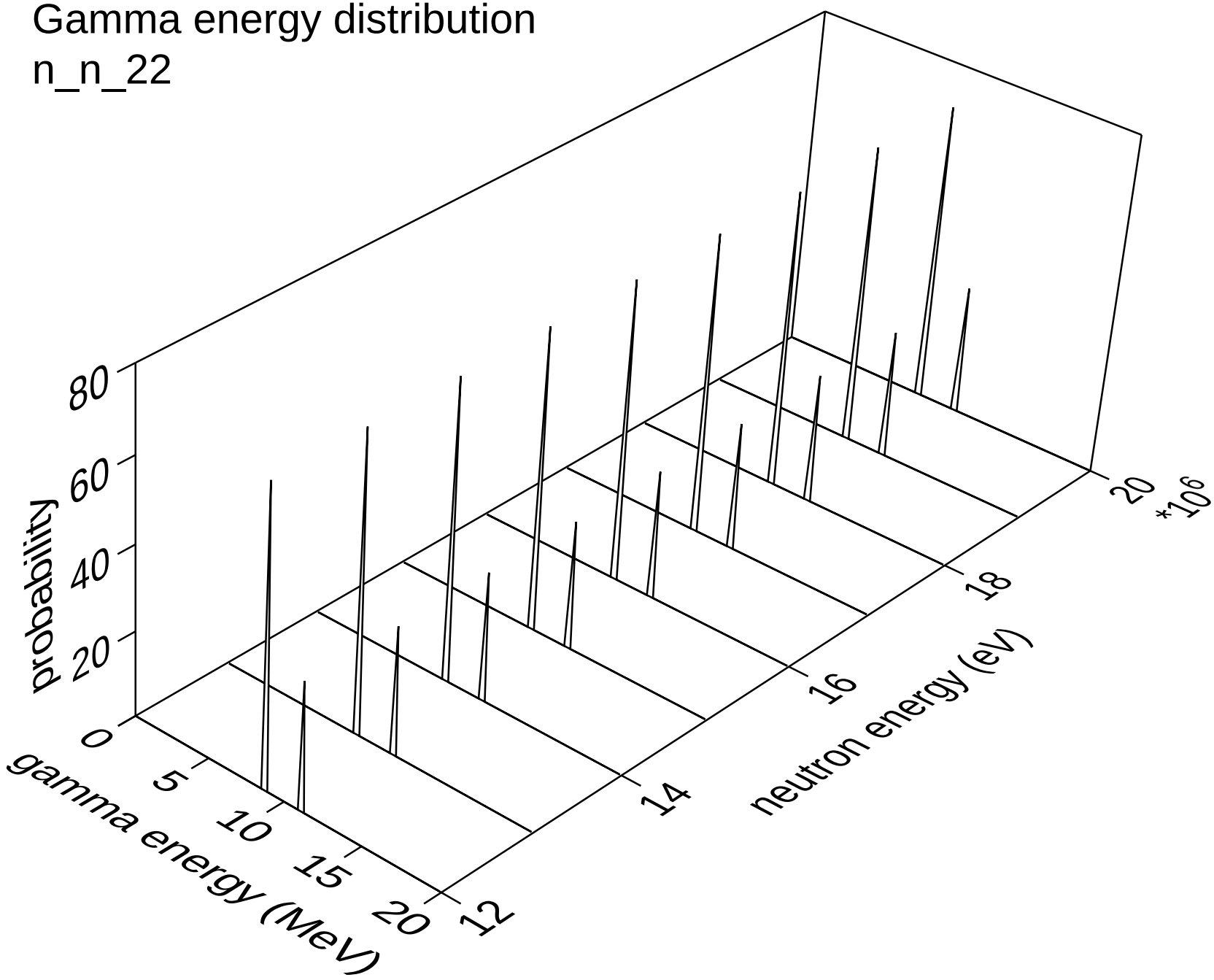


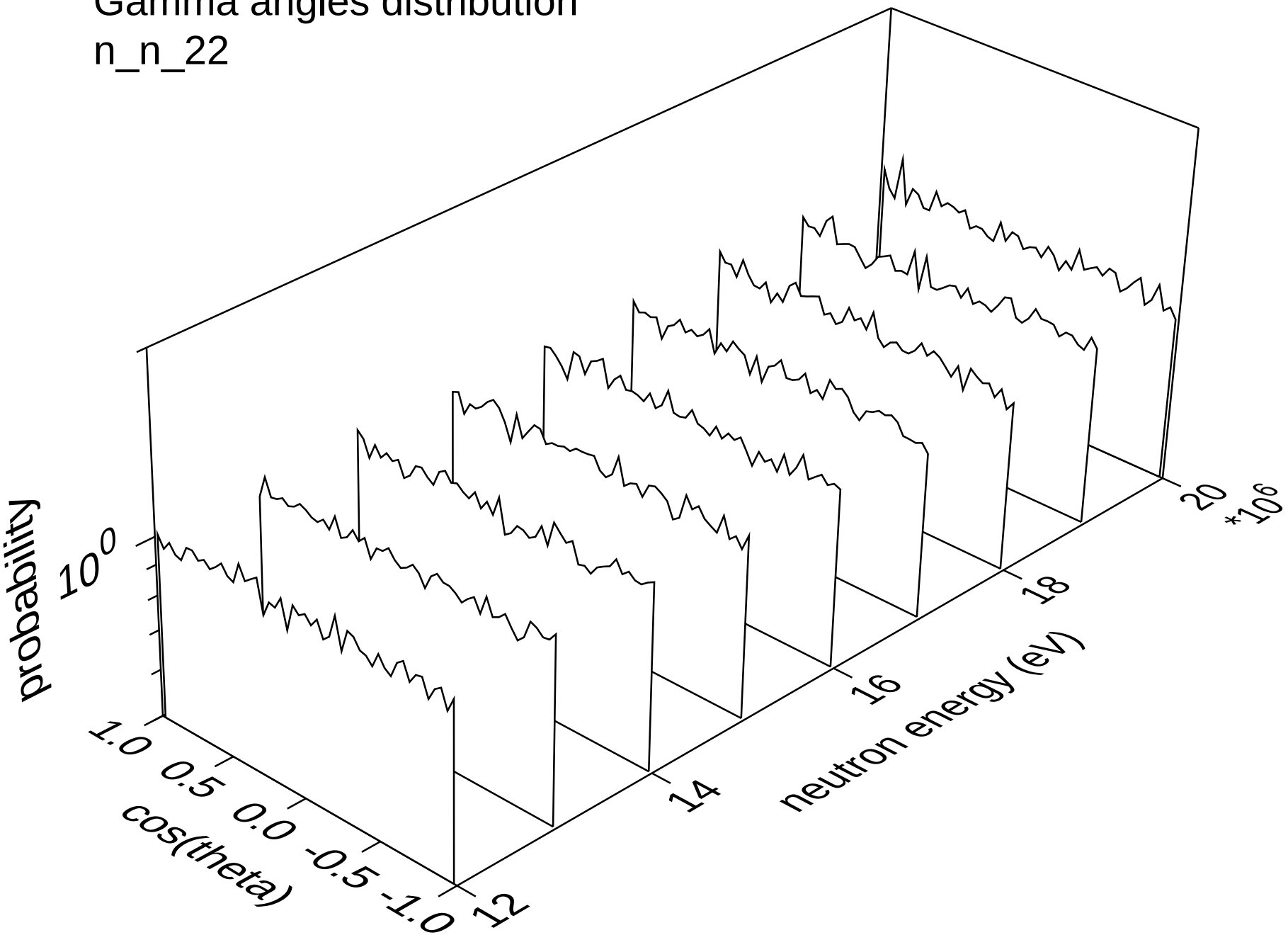

Gamma energy distribution
n_n_21
probability
0
20
40
60
80
gamma energy (MeV)
0
5
10
15
20
neutron energy (eV)
12
14
16
18
20
*10^6


Gamma angles distribution
n_n_21
probability
10^0
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
12
14
16
18
20
*10^6
neutron energy (eV)

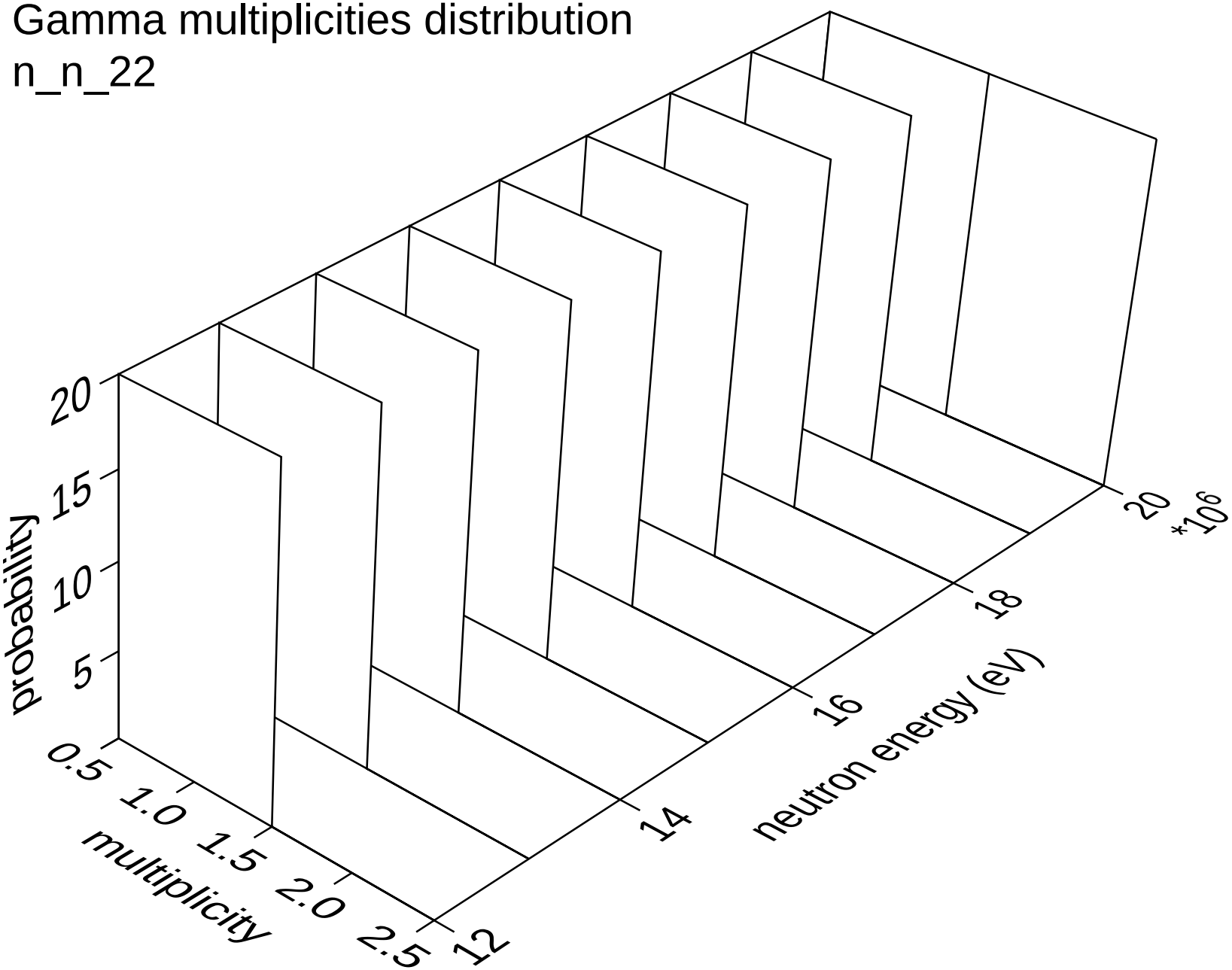
Gamma multiplicities distribution
n_n_21

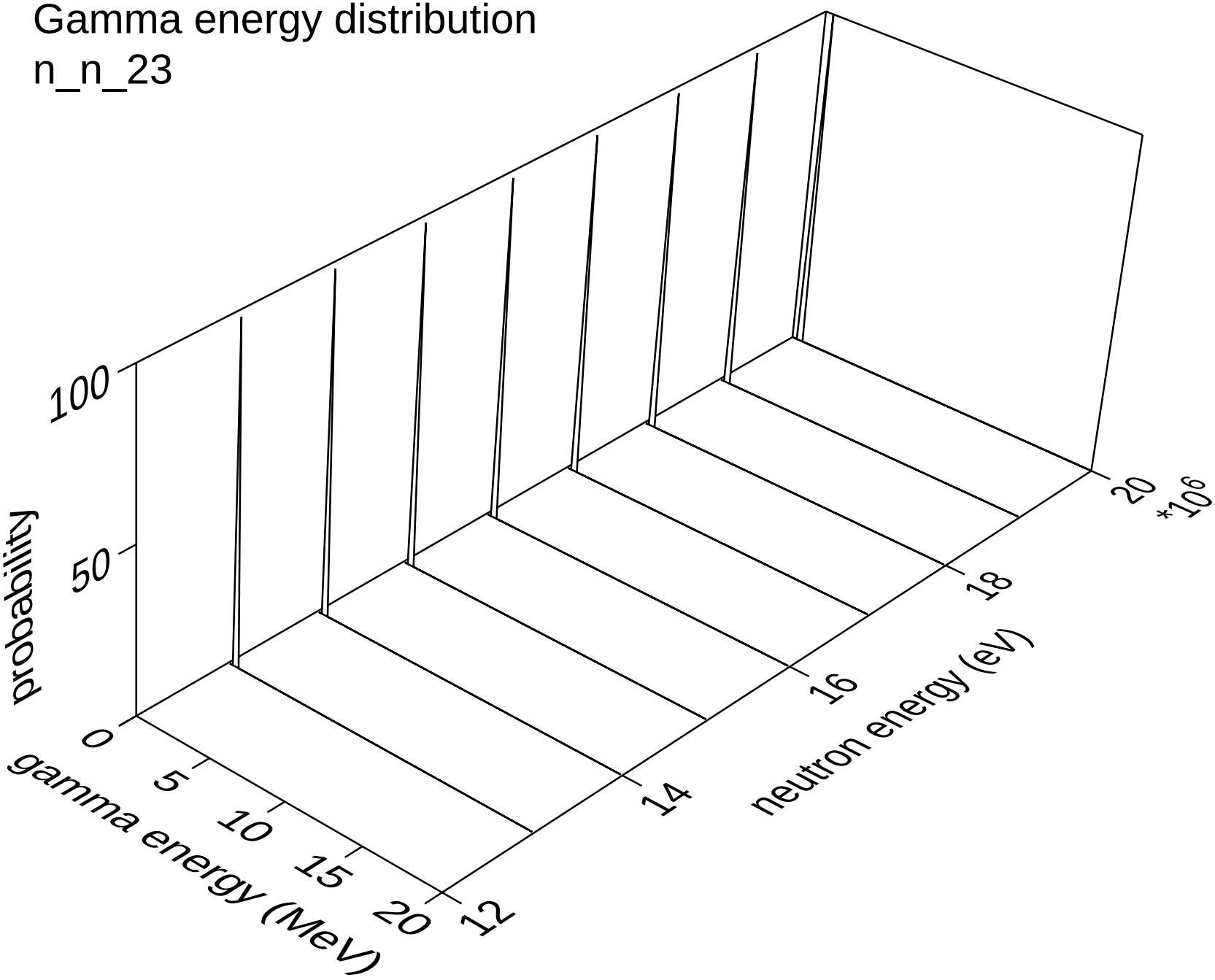


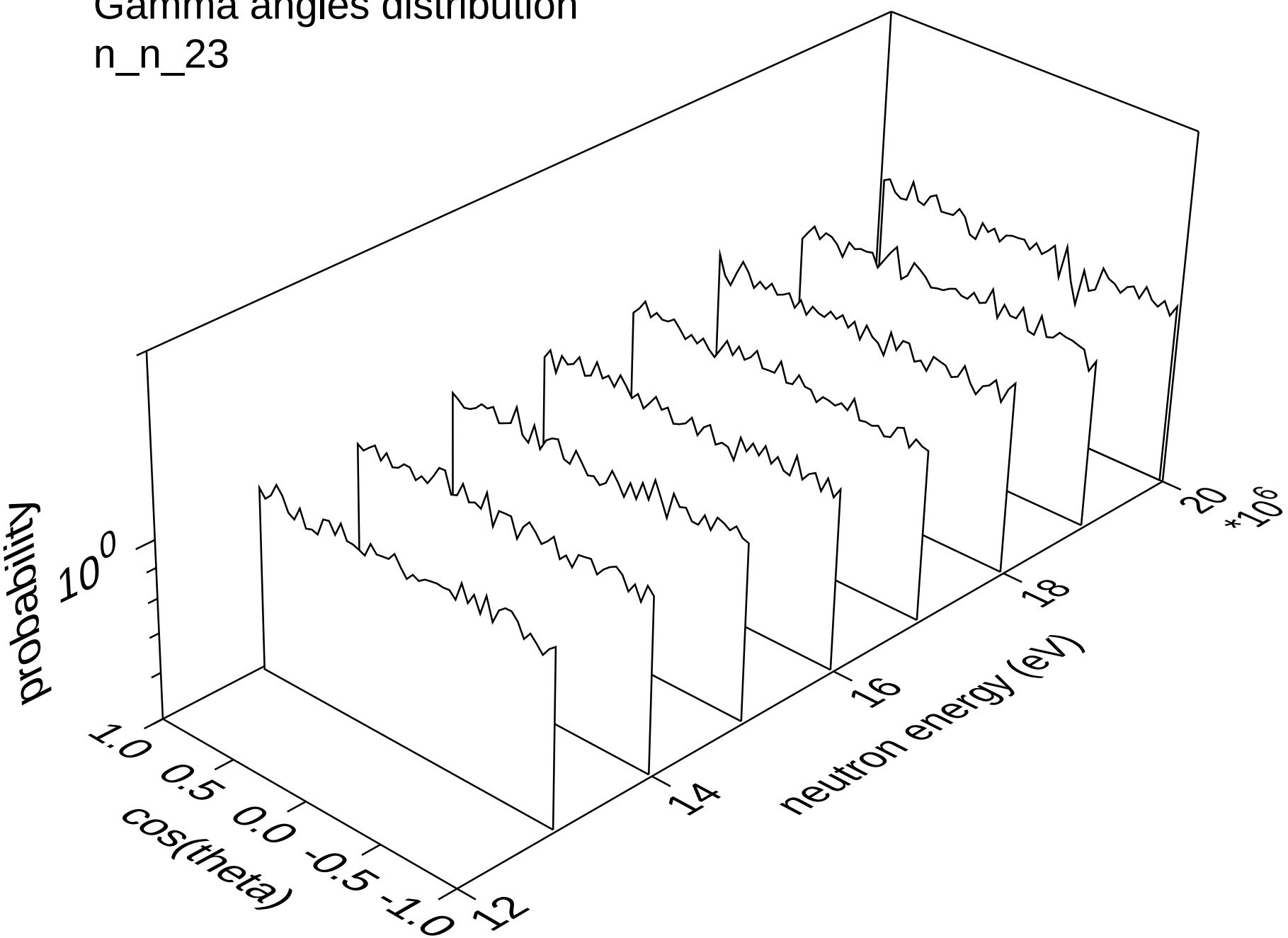
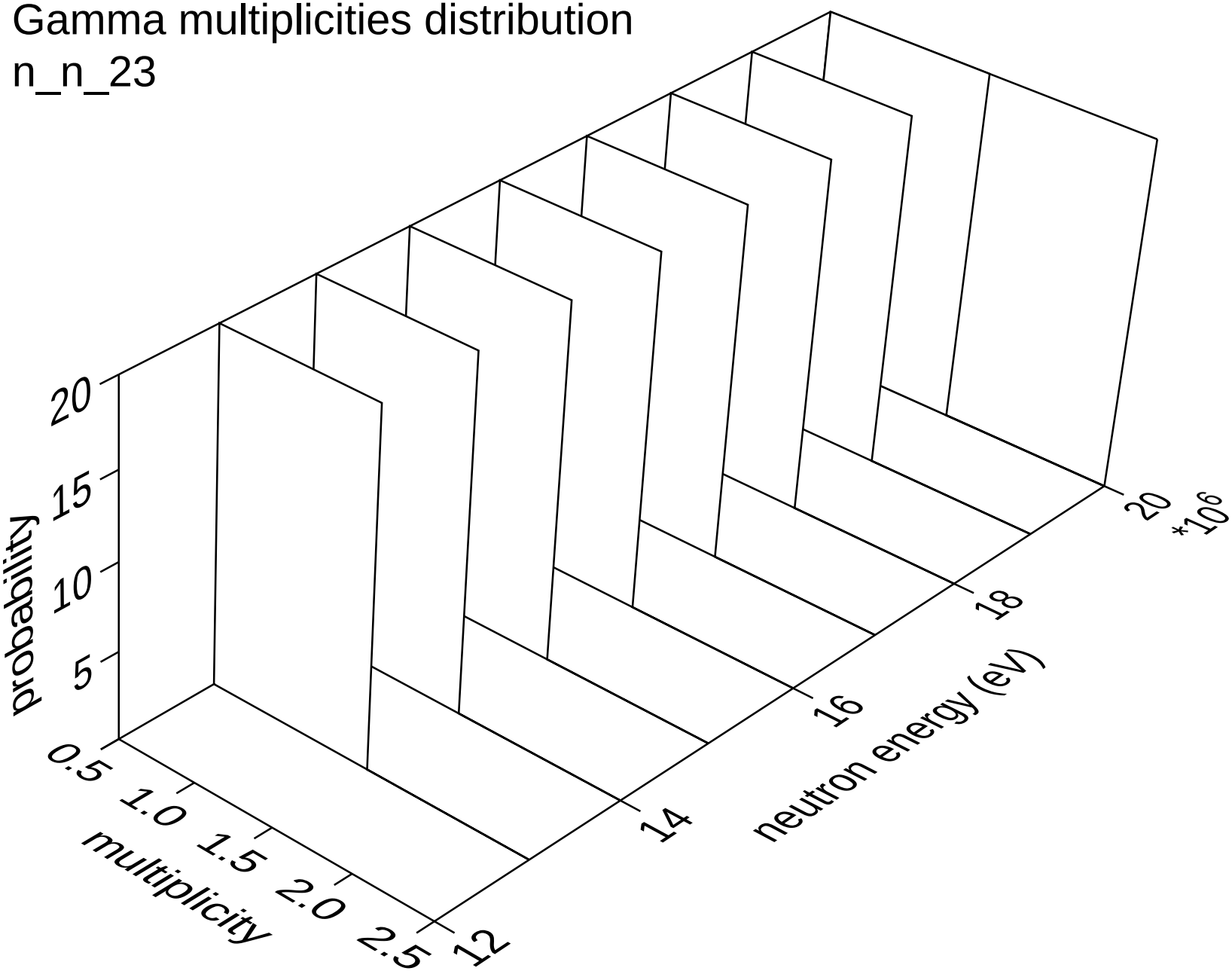

Gamma energy distribution
n_n_22
probability
80
60
40
20
0
gamma energy (MeV)
5
10
15
20
12
14
16
18
20
*10^6
neutron energy (eV)


Gamma angles distribution
n_n_22
probability
10^0
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
12
14
16
18
20
*10^6
neutron energy (eV)

Gamma multiplicities distribution
n_n_22




Gamma energy distribution
n_n_23
probability
100
50
0
gamma energy (MeV)
0
5
10
15
20
neutron energy (eV)
12
14
16
18
20
*10^6


Gamma angles distribution
n_n_23
probability
10^0
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
12
14
16
18
20
*10^6
neutron energy (eV)

Gamma multiplicities distribution
n_n_23