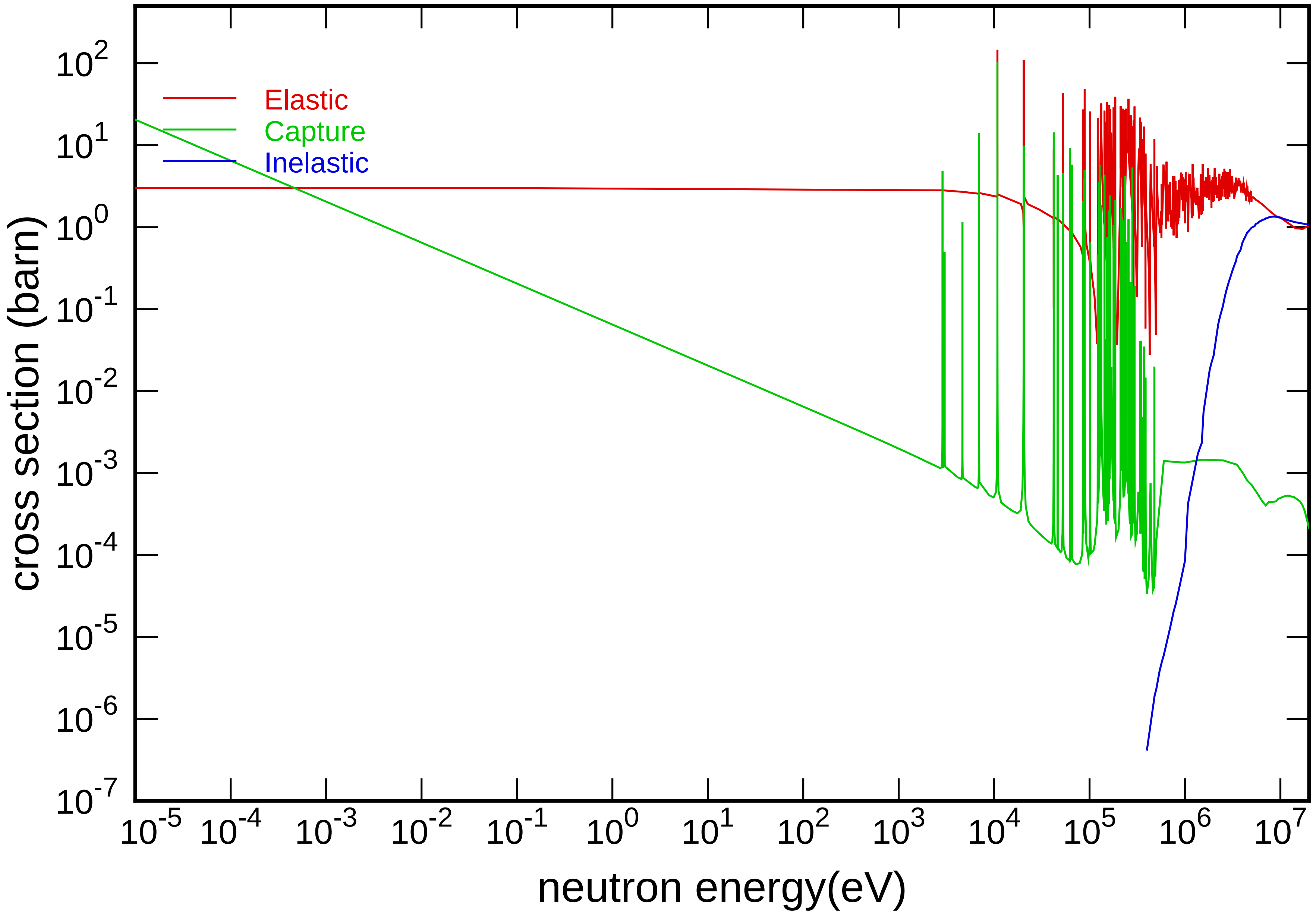
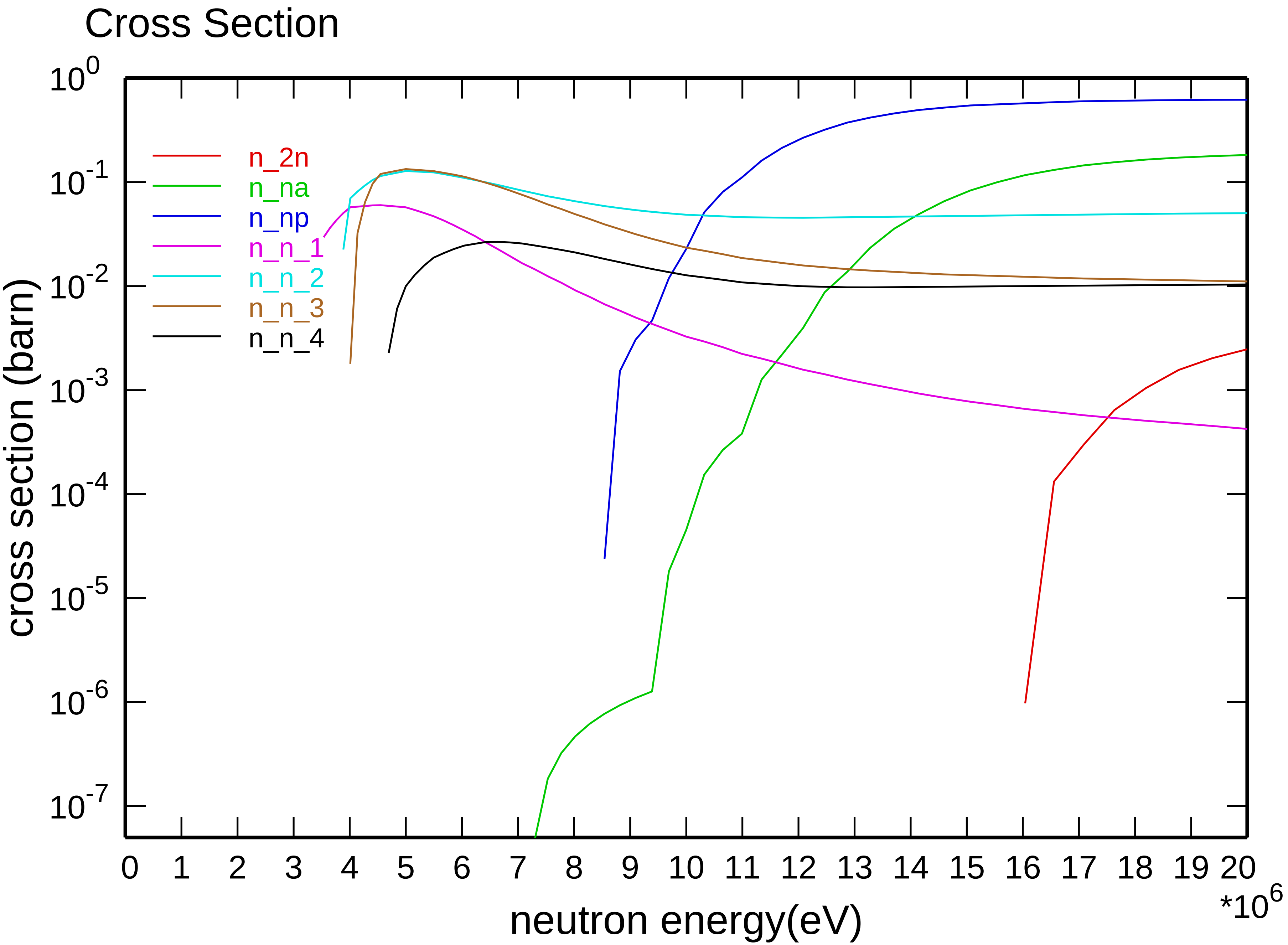
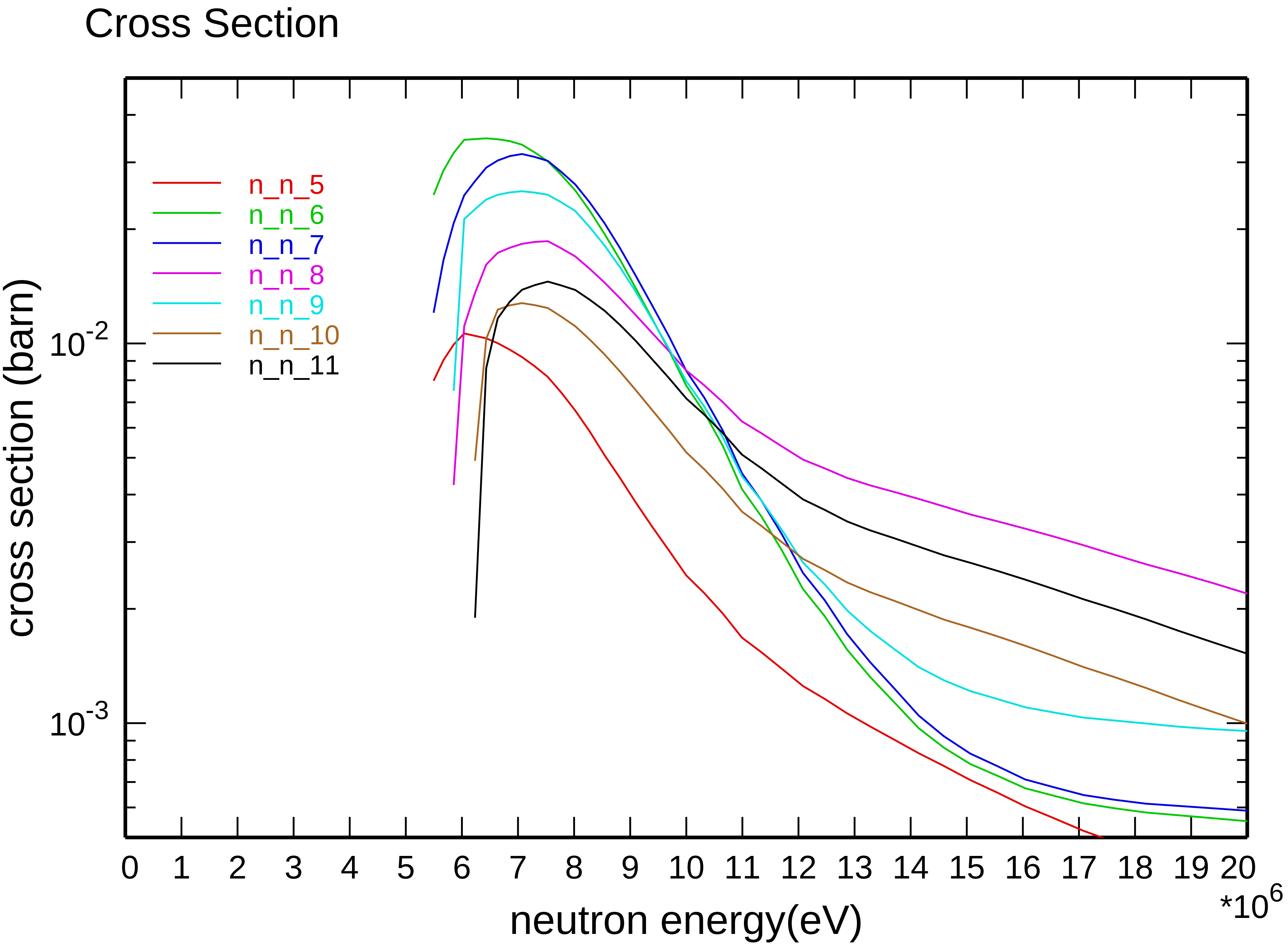
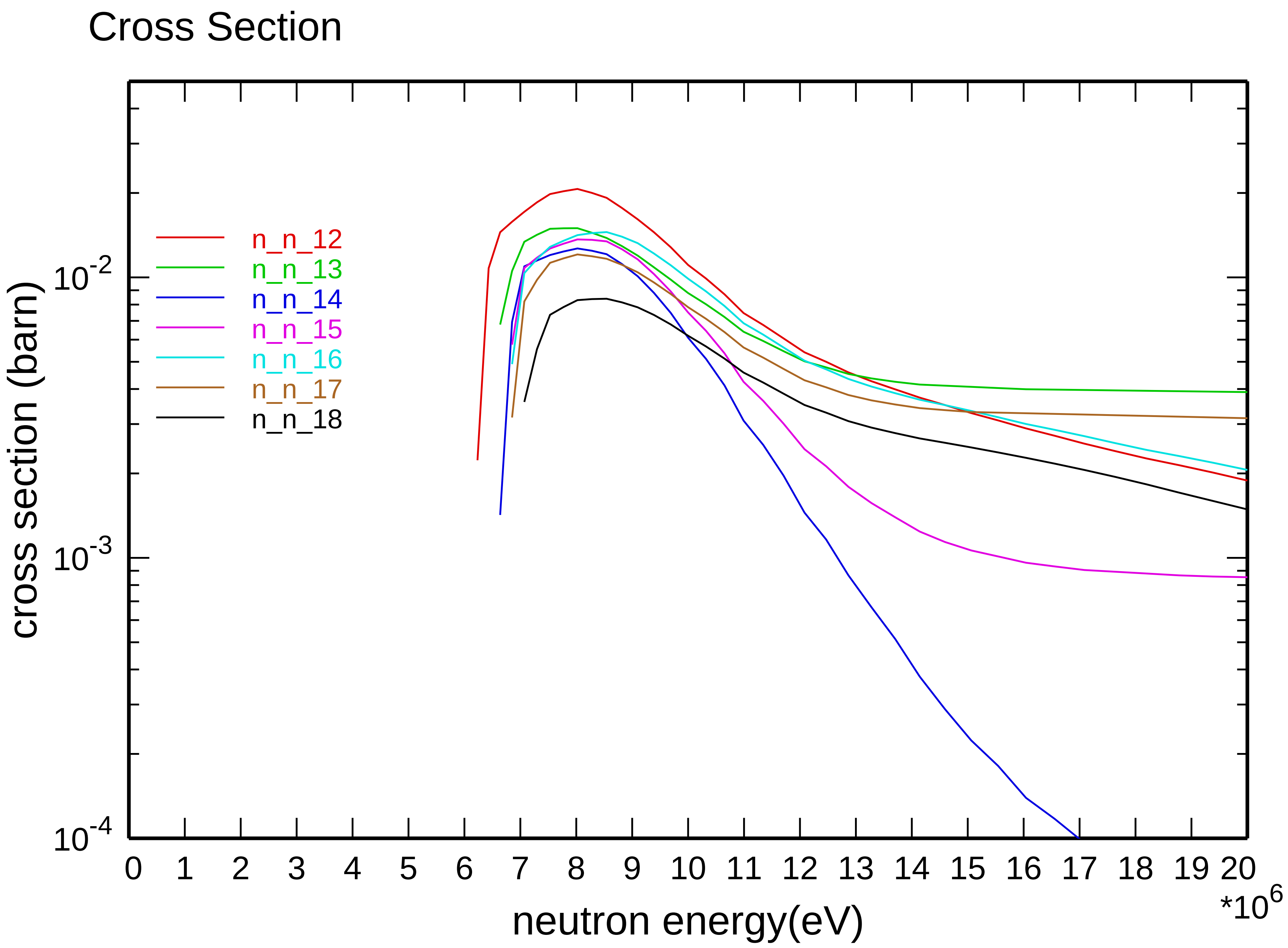
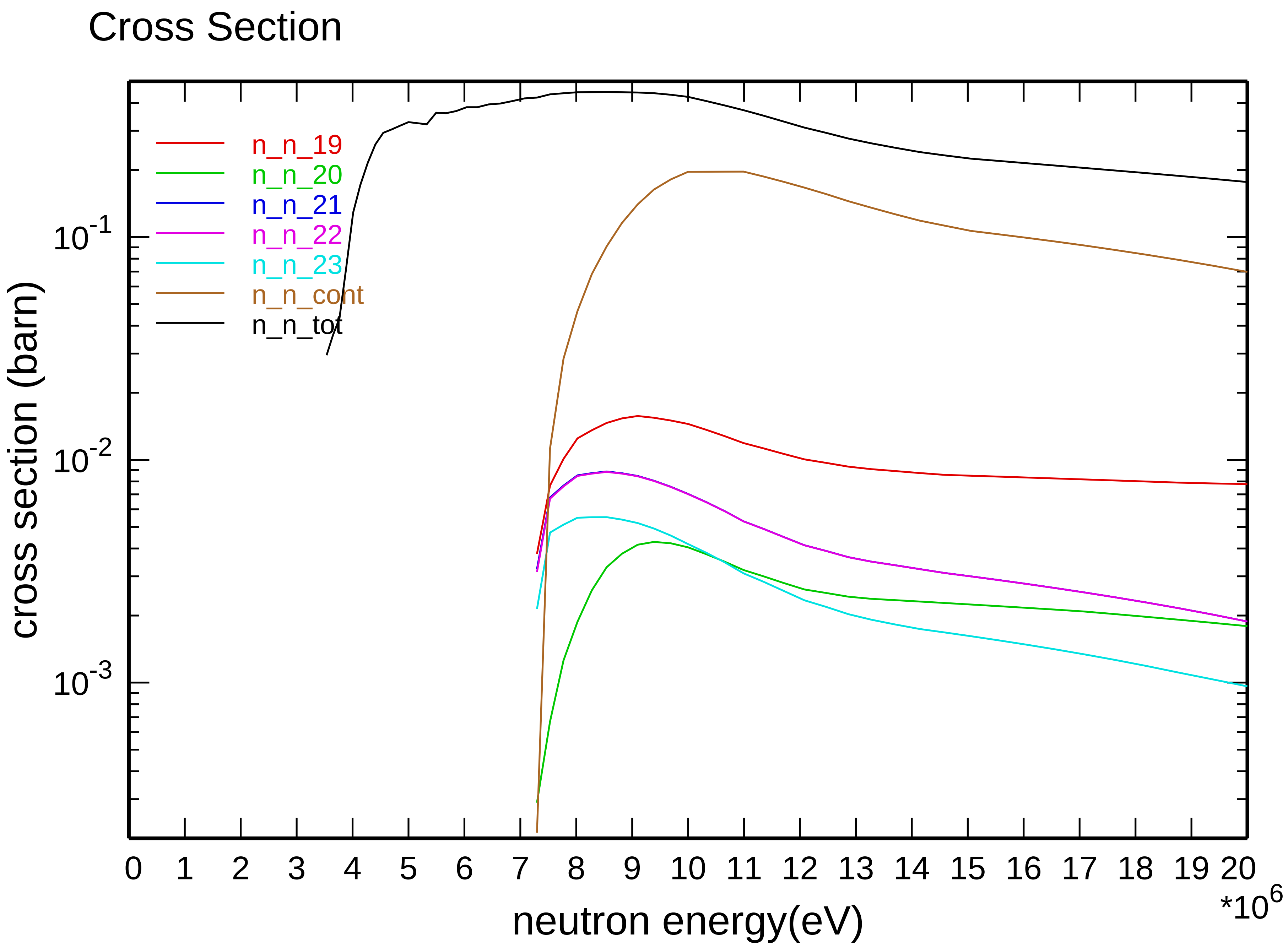
Main Cross Sections




Cross Section
cross section (barn)
neutron energy(eV)
*10^6
10^0
10^-1
10^-2
10^-3
10^-4
10^-5
10^-6
10^-7
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
n_2n
n_na
n_np
n_n_1
n_n_2
n_n_3
n_n_4

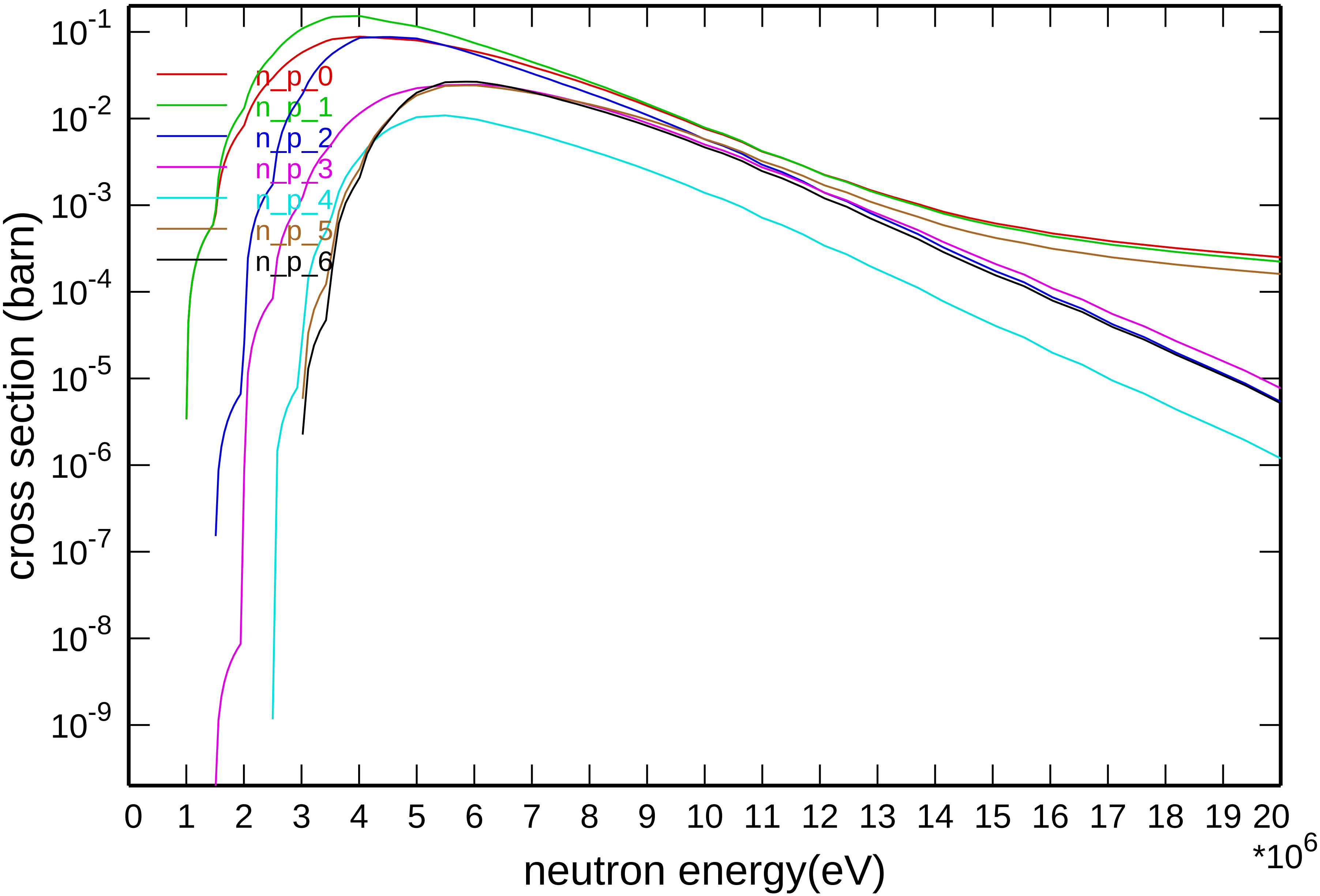

Cross Section
cross section (barn)
10^{-2}
10^{-3}
n_n_5
n_n_6
n_n_7
n_n_8
n_n_9
n_n_10
n_n_11
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
$*10^6$
neutron energy(eV)

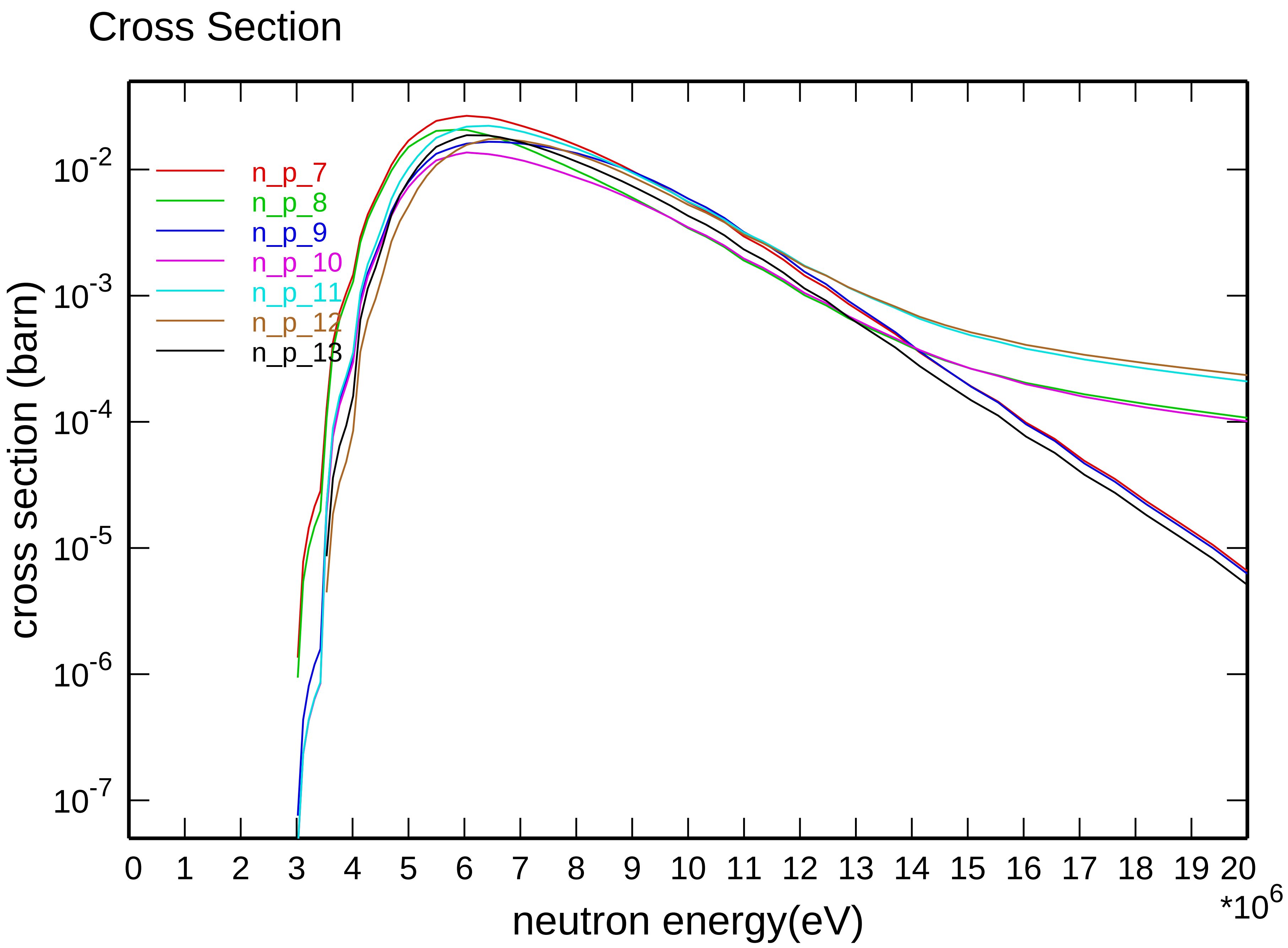

Cross Section
cross section (barn)
10^{-2}
10^{-3}
10^{-4}
n_n_12
n_n_13
n_n_14
n_n_15
n_n_16
n_n_17
n_n_18
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
$*10^6$
neutron energy(eV)

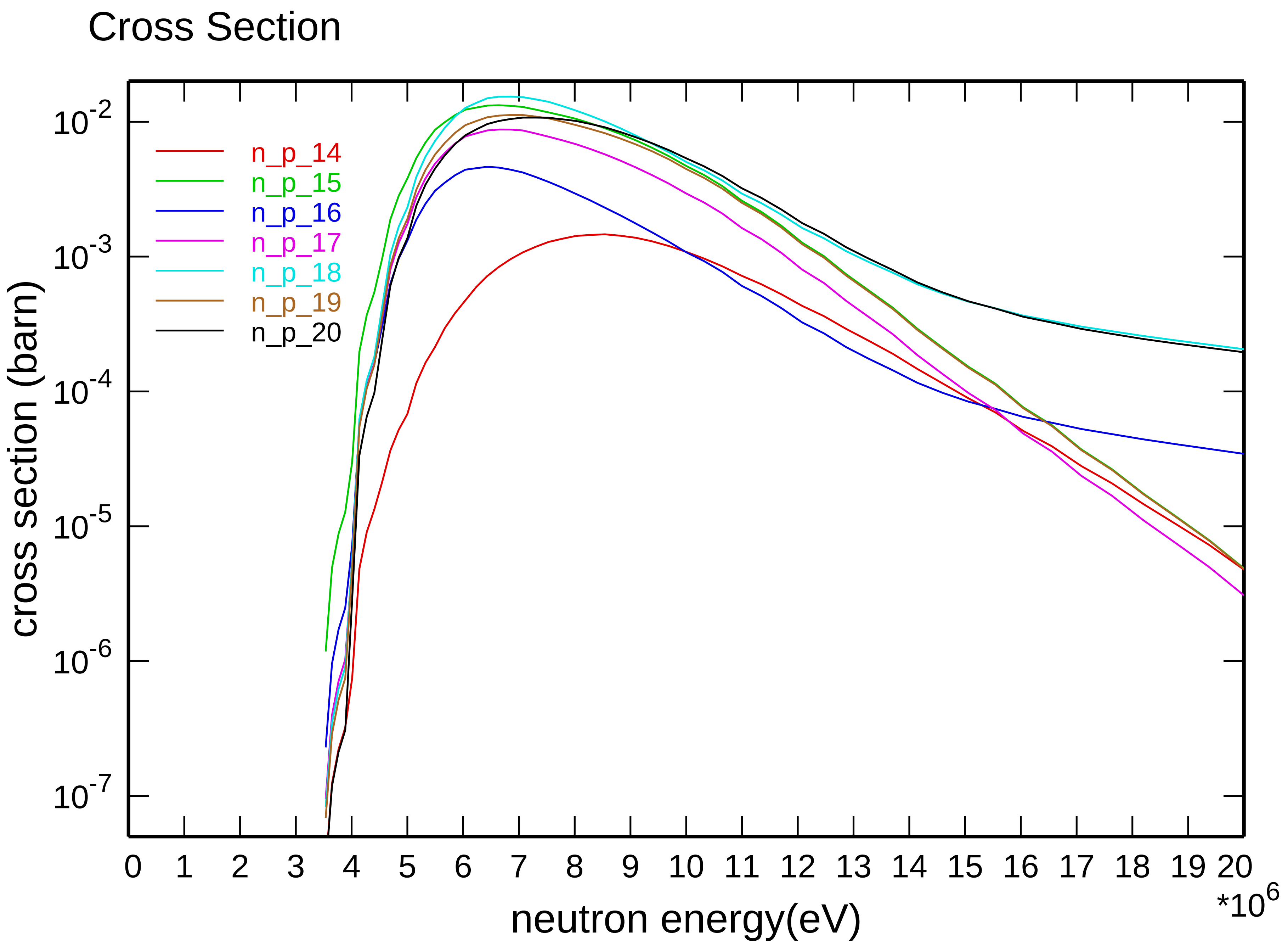


Cross Section
n_n_19
n_n_20
n_n_21
n_n_22
n_n_23
n_n_cont
n_n_tot
10^{-1}
10^{-2}
10^{-3}
cross section (barn)
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
$*10^{6}$
neutron energy(eV)

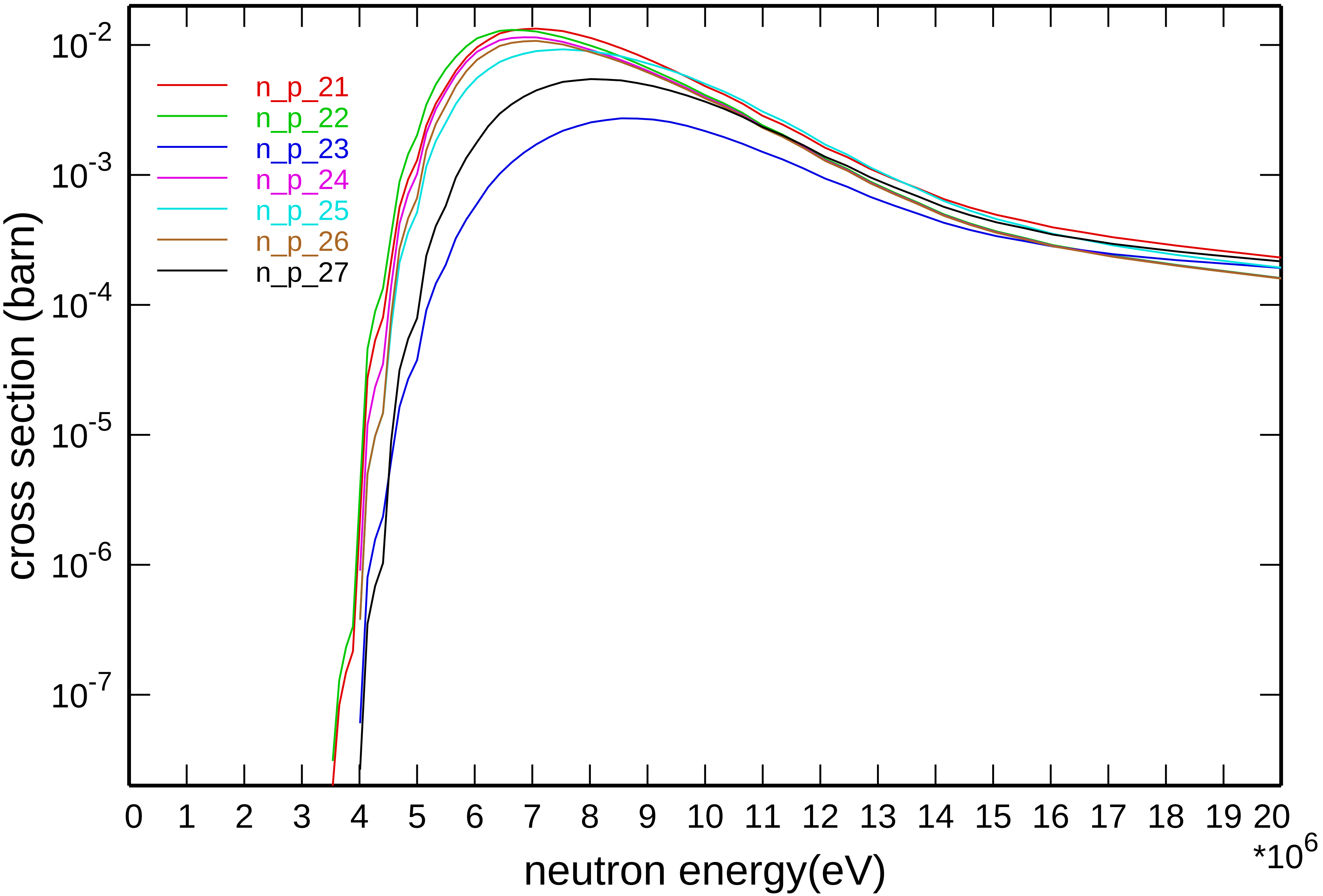
Cross Section

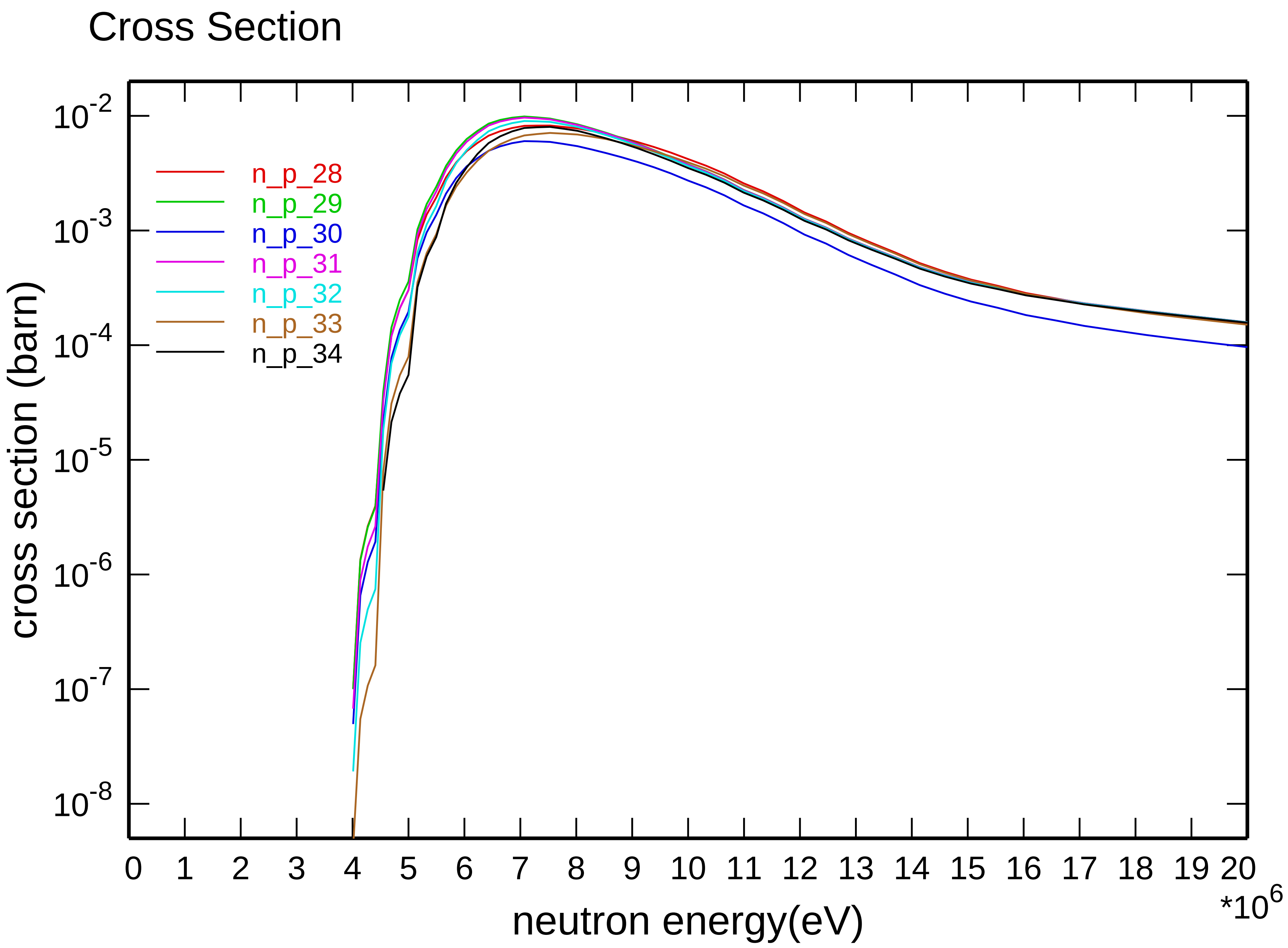


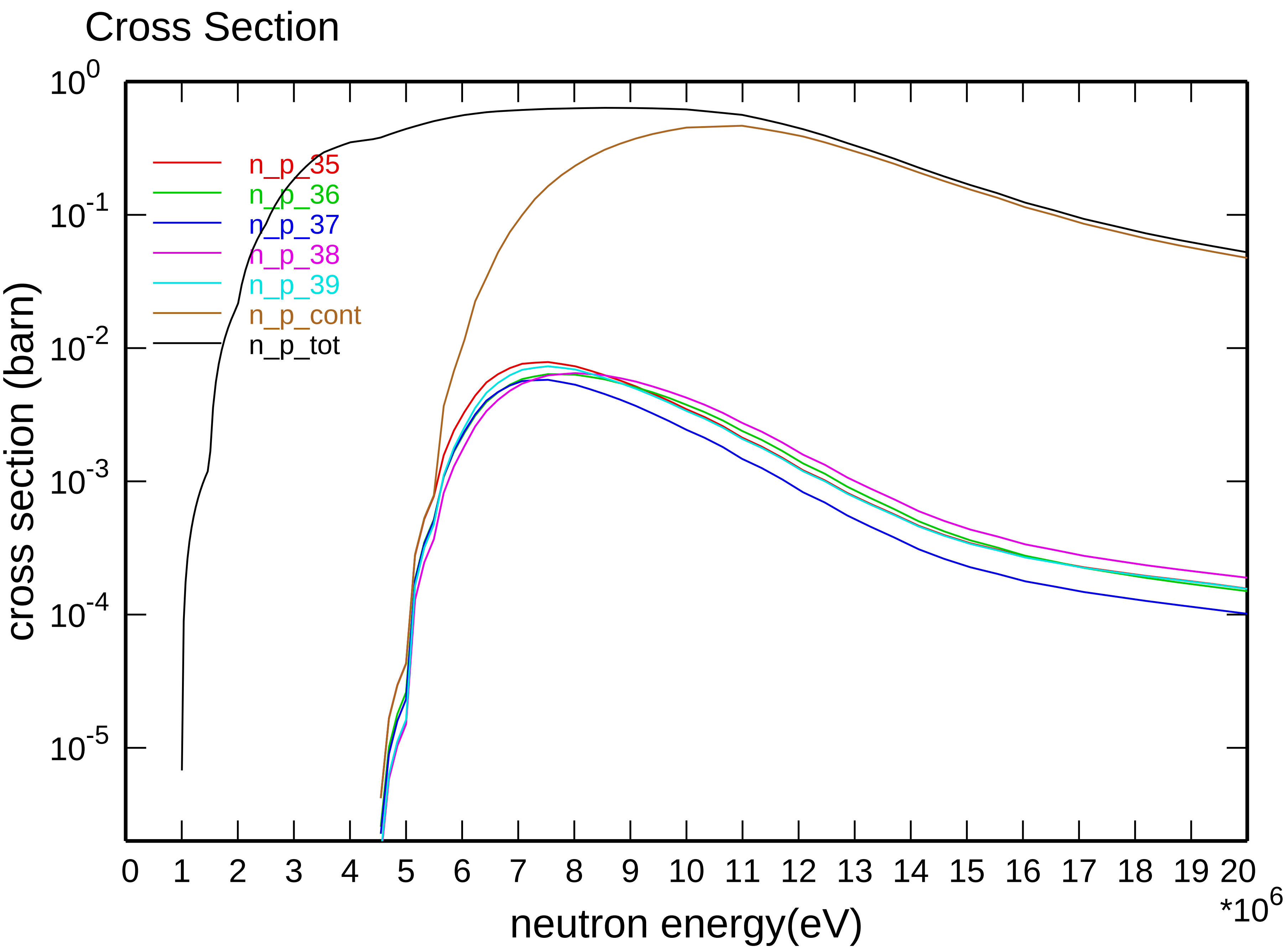

Cross Section
cross section (barn)
10^{-2}
10^{-3}
10^{-4}
10^{-5}
10^{-6}
10^{-7}
n_p_7
n_p_8
n_p_9
n_p_10
n_p_11
n_p_12
n_p_13
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
$*10^6$
neutron energy(eV)

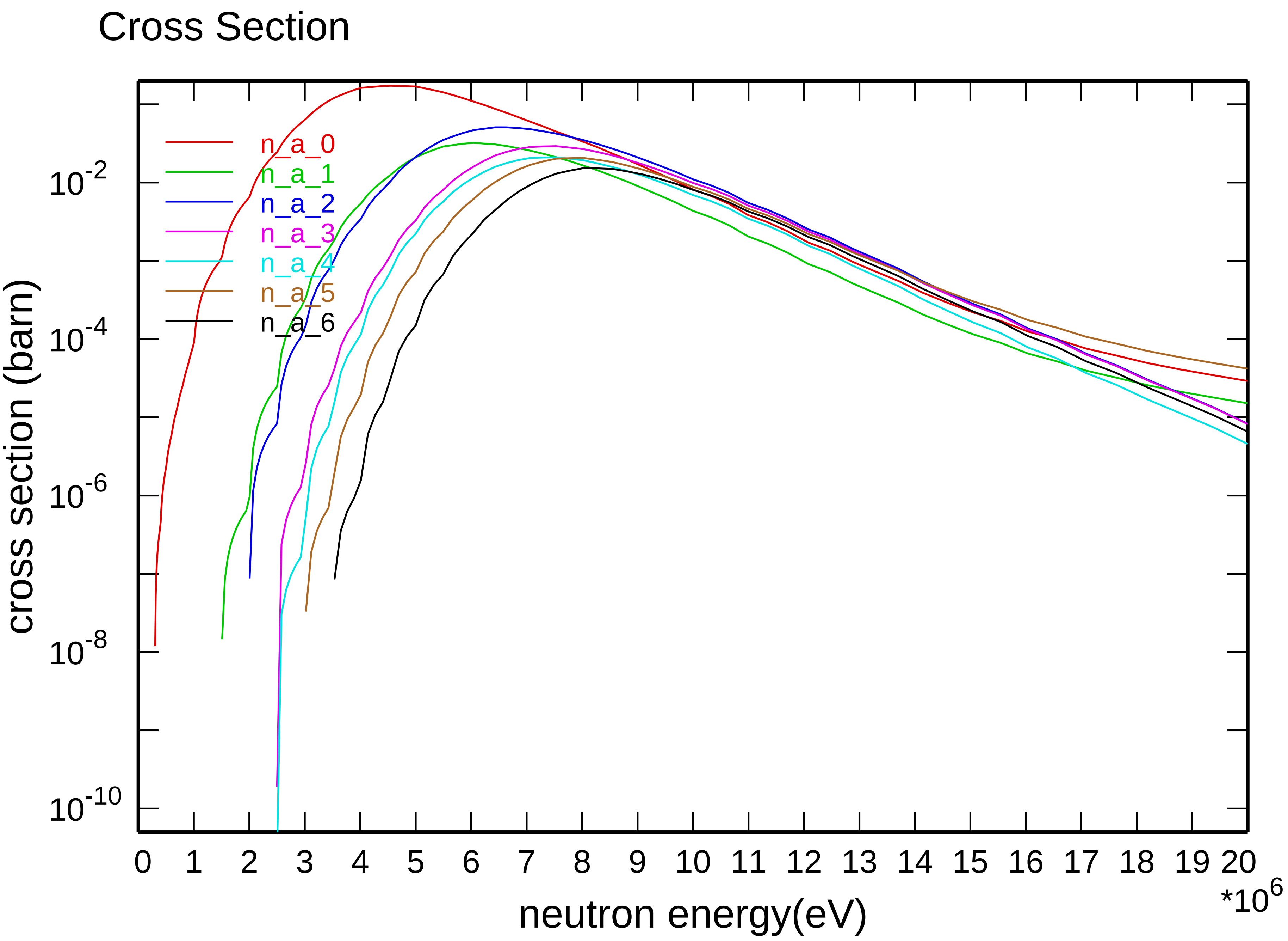

Cross Section
cross section (barn)
10^{-2}
10^{-3}
10^{-4}
10^{-5}
10^{-6}
10^{-7}
n_p_14
n_p_15
n_p_16
n_p_17
n_p_18
n_p_19
n_p_20
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
$*10^{6}$
neutron energy(eV)

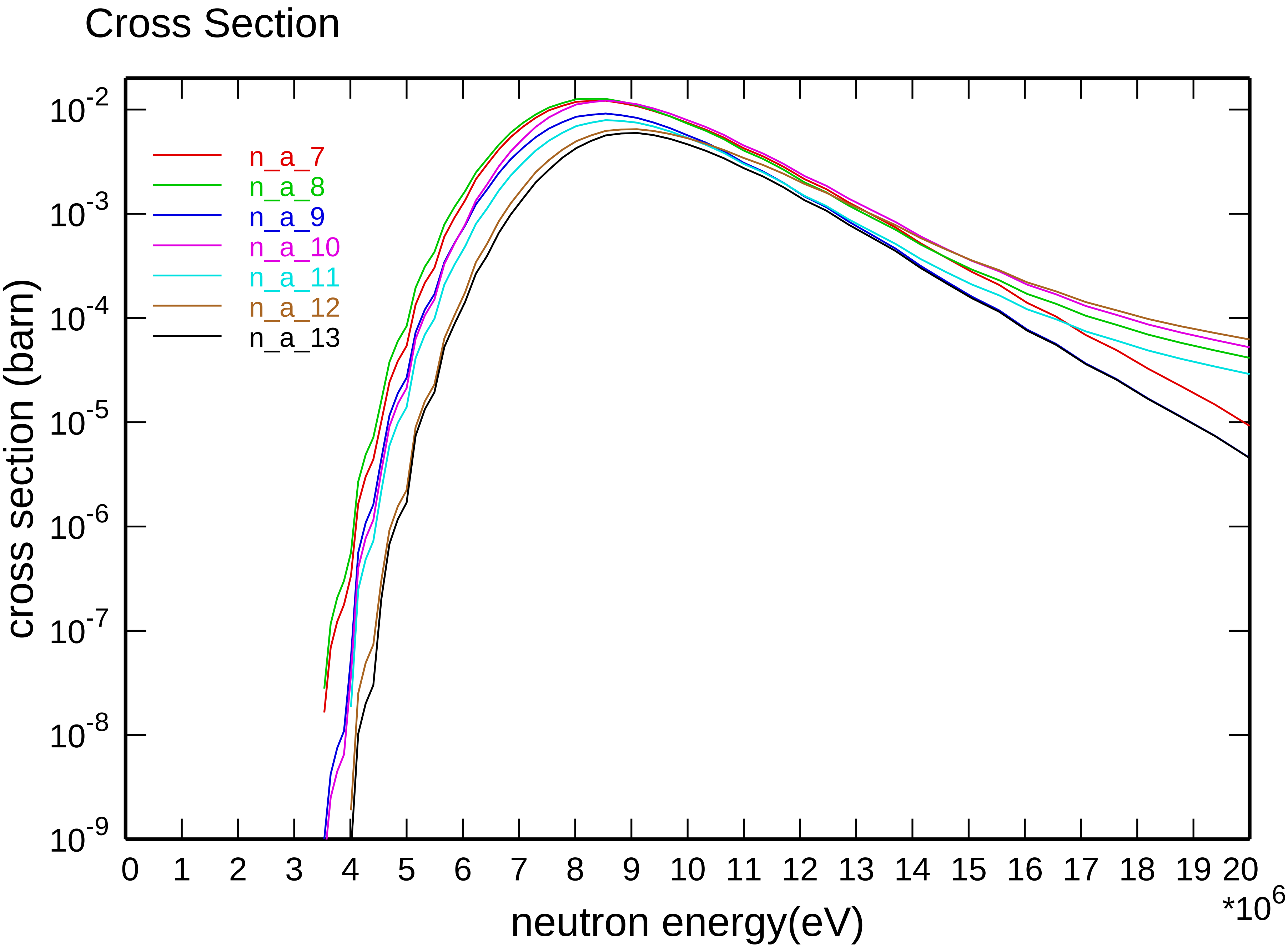
Cross Section

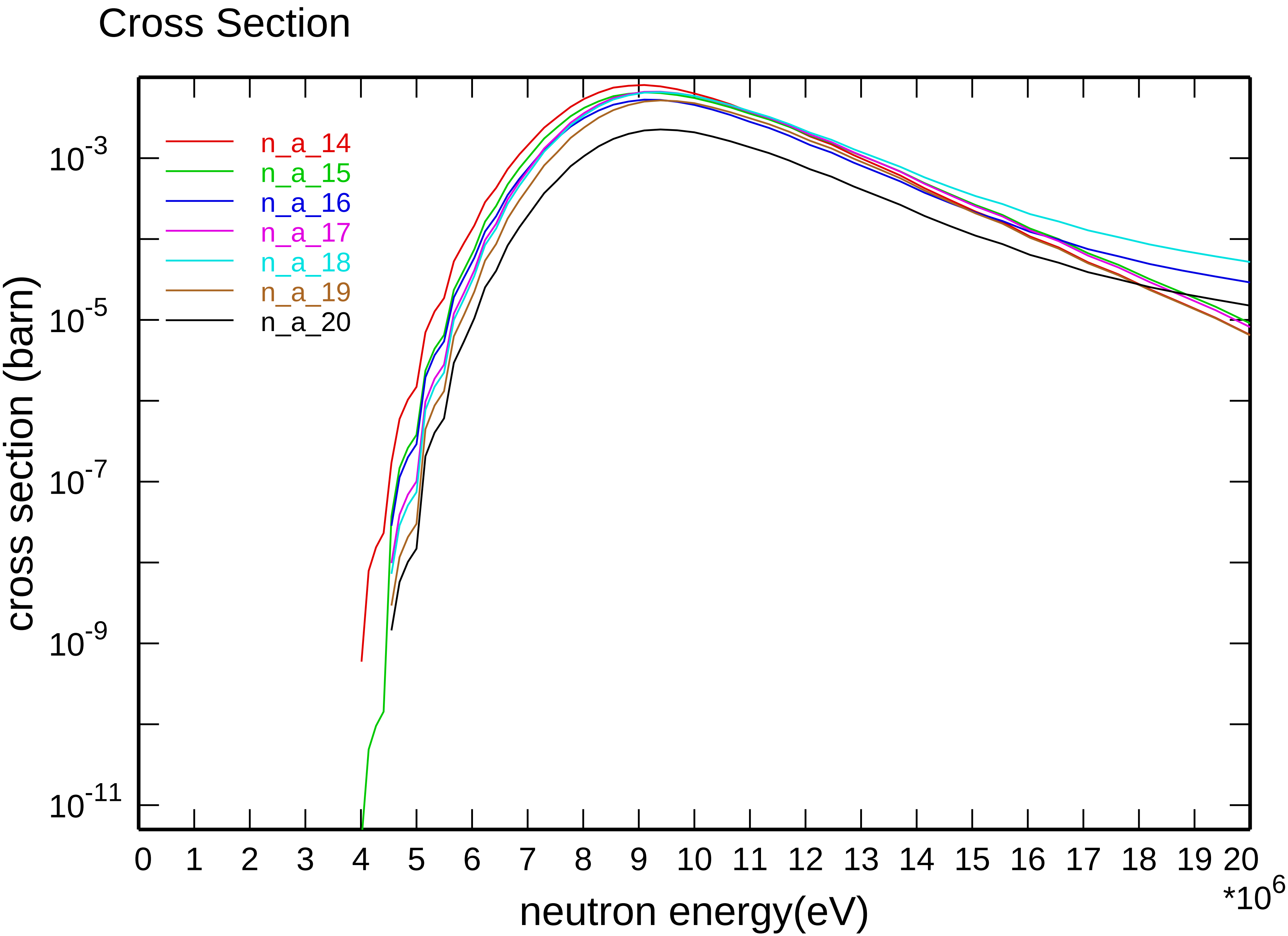


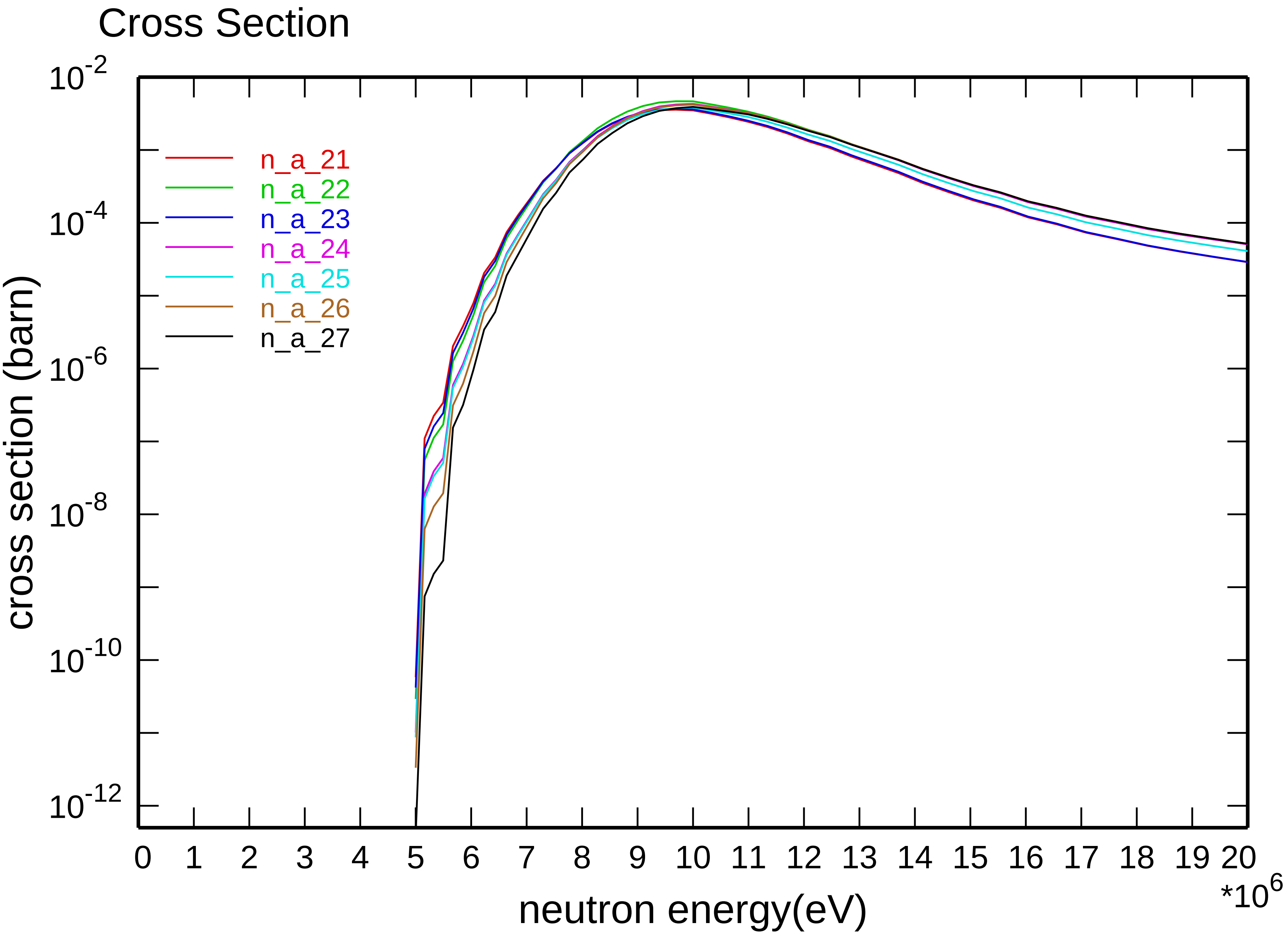

Cross Section
cross section (barn)
10^-2
10^-3
10^-4
10^-5
10^-6
10^-7
10^-8
n_p_28
n_p_29
n_p_30
n_p_31
n_p_32
n_p_33
n_p_34
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
*10^6
neutron energy(eV)

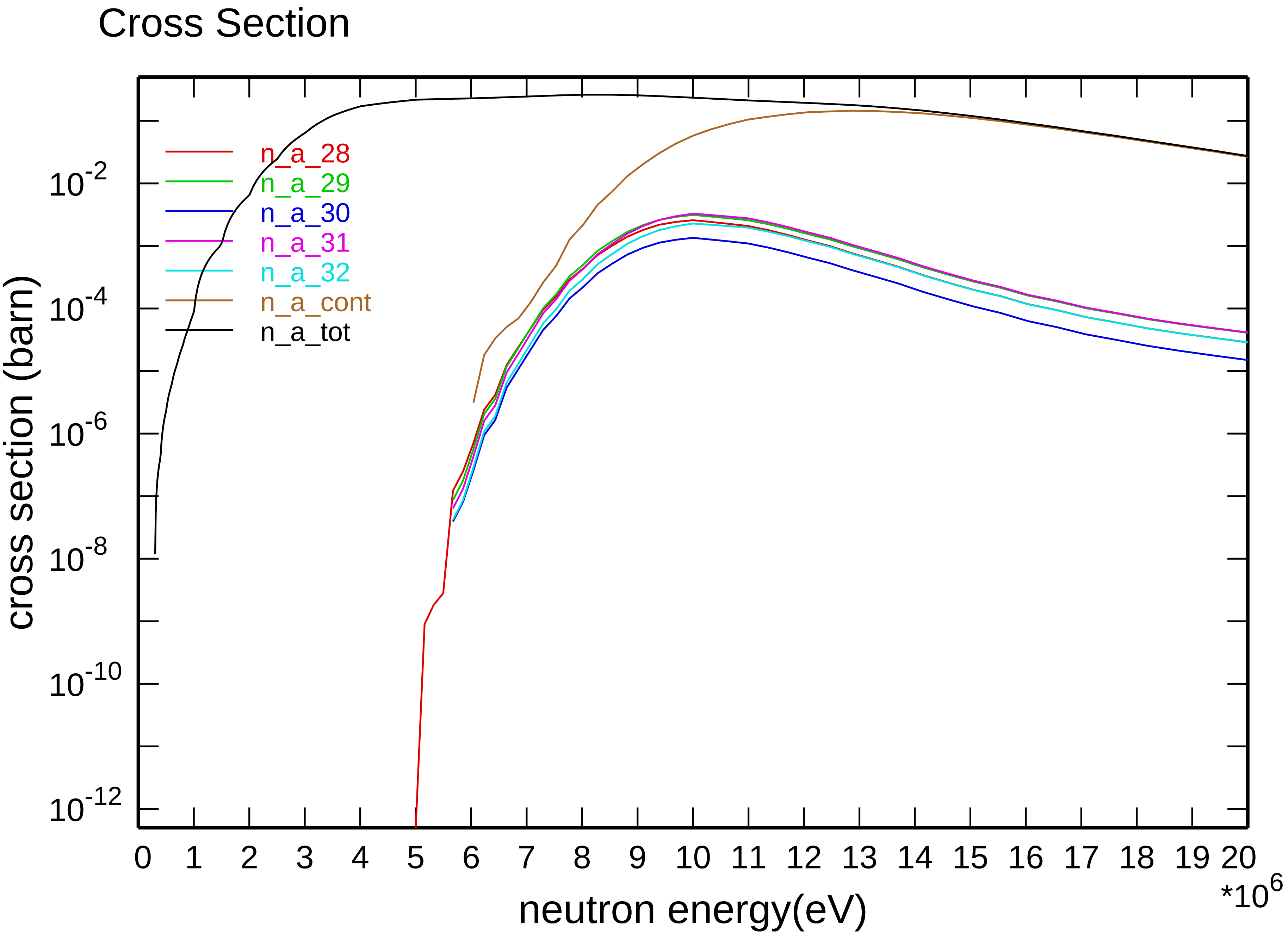

Cross Section
10^{0}
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
cross section (barn)
n_p_35
n_p_36
n_p_37
n_p_38
n_p_39
n_p_cont
n_p_tot
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
$*10^{6}$
neutron energy(eV)


Cross Section
n_a_0
n_a_1
n_a_2
n_a_3
n_a_4
n_a_5
n_a_6
10^{-2}
10^{-4}
10^{-6}
10^{-8}
10^{-10}
cross section (barn)
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)

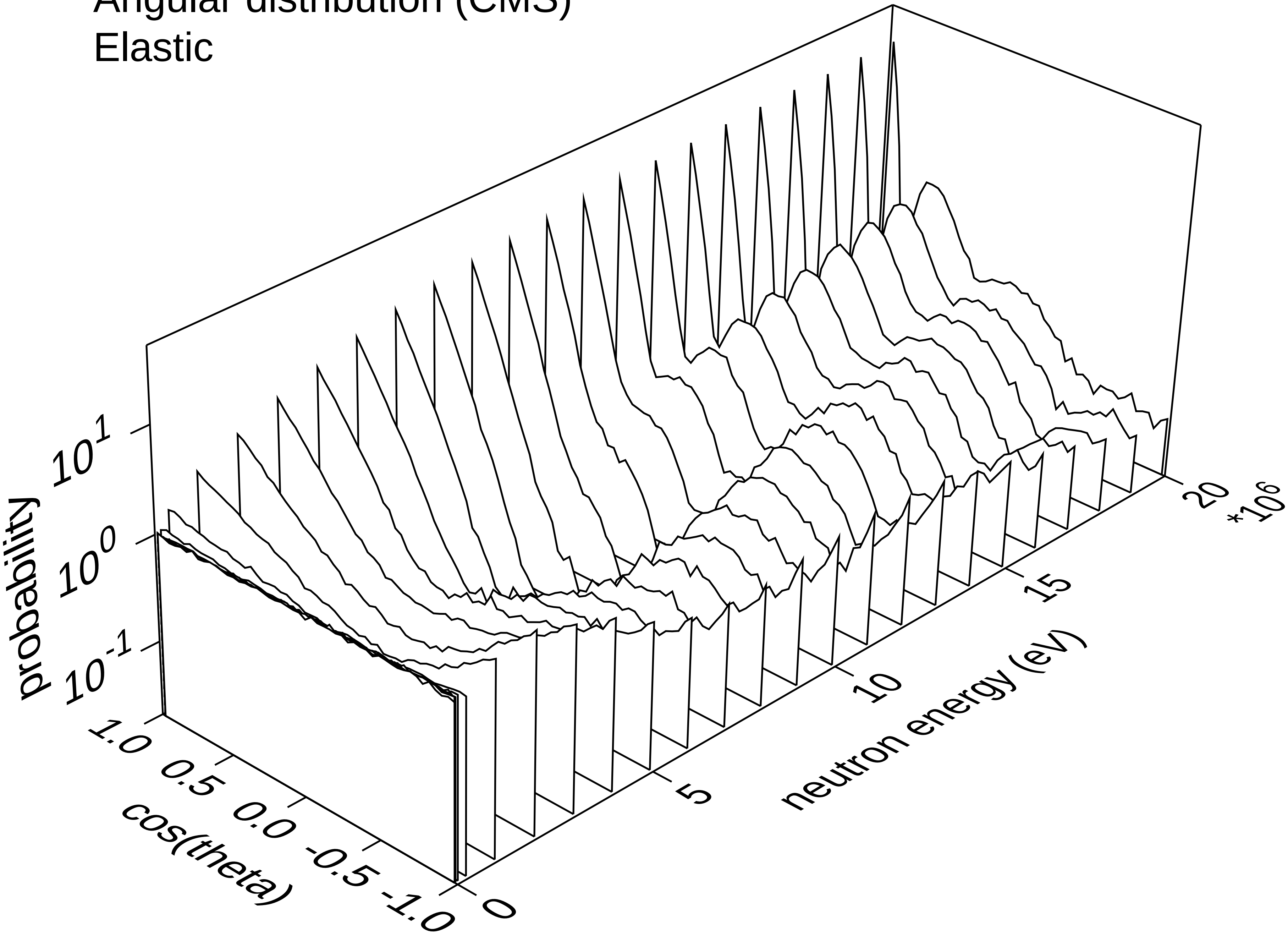

Cross Section
cross section (barn)
10^{-2}
10^{-3}
10^{-4}
10^{-5}
10^{-6}
10^{-7}
10^{-8}
10^{-9}
n_a_7
n_a_8
n_a_9
n_a_10
n_a_11
n_a_12
n_a_13
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
$*10^6$
neutron energy(eV)


Cross Section
n_a_14
n_a_15
n_a_16
n_a_17
n_a_18
n_a_19
n_a_20
10^{-3}
10^{-5}
10^{-7}
10^{-9}
10^{-11}
cross section (barn)
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)

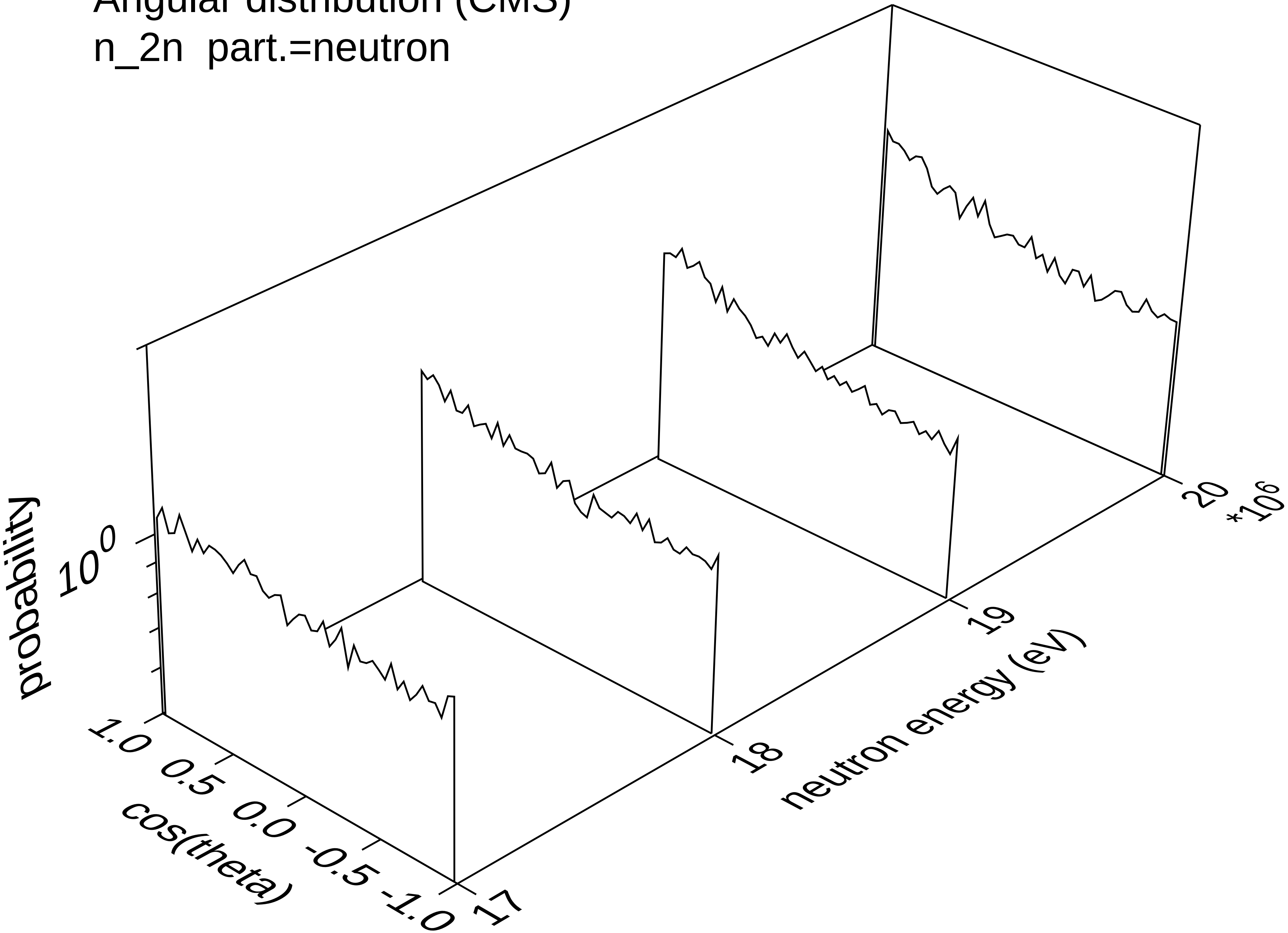

Cross Section
cross section (barn)
10^{-2}
10^{-4}
10^{-6}
10^{-8}
10^{-10}
10^{-12}
n_a_21
n_a_22
n_a_23
n_a_24
n_a_25
n_a_26
n_a_27
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
$*10^6$
neutron energy(eV)


Cross Section
n_a_28
n_a_29
n_a_30
n_a_31
n_a_32
n_a_cont
n_a_tot
cross section (barn)
10^{-2}
10^{-4}
10^{-6}
10^{-8}
10^{-10}
10^{-12}
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)

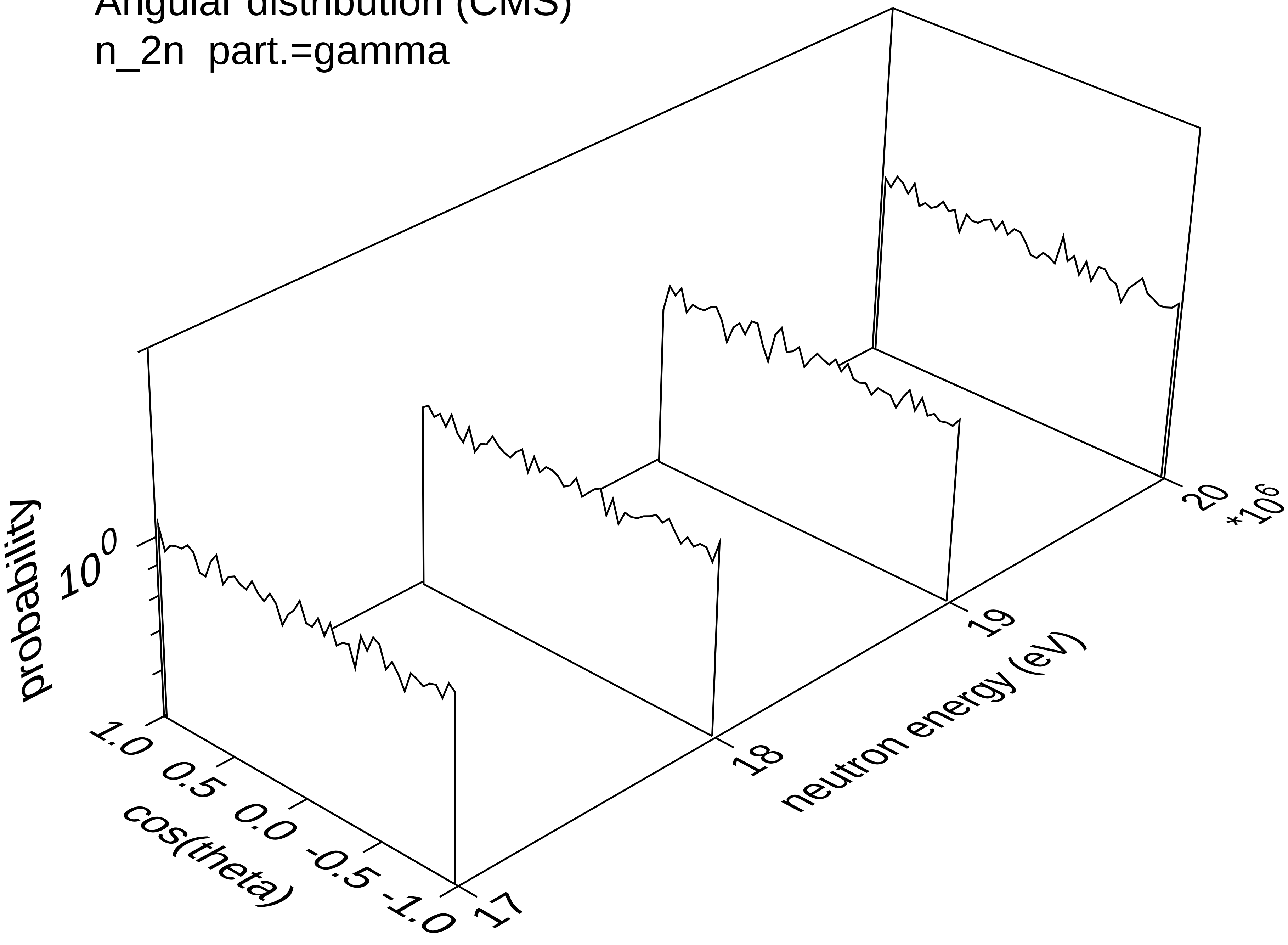
Angular distribution (CMS)
Elastic



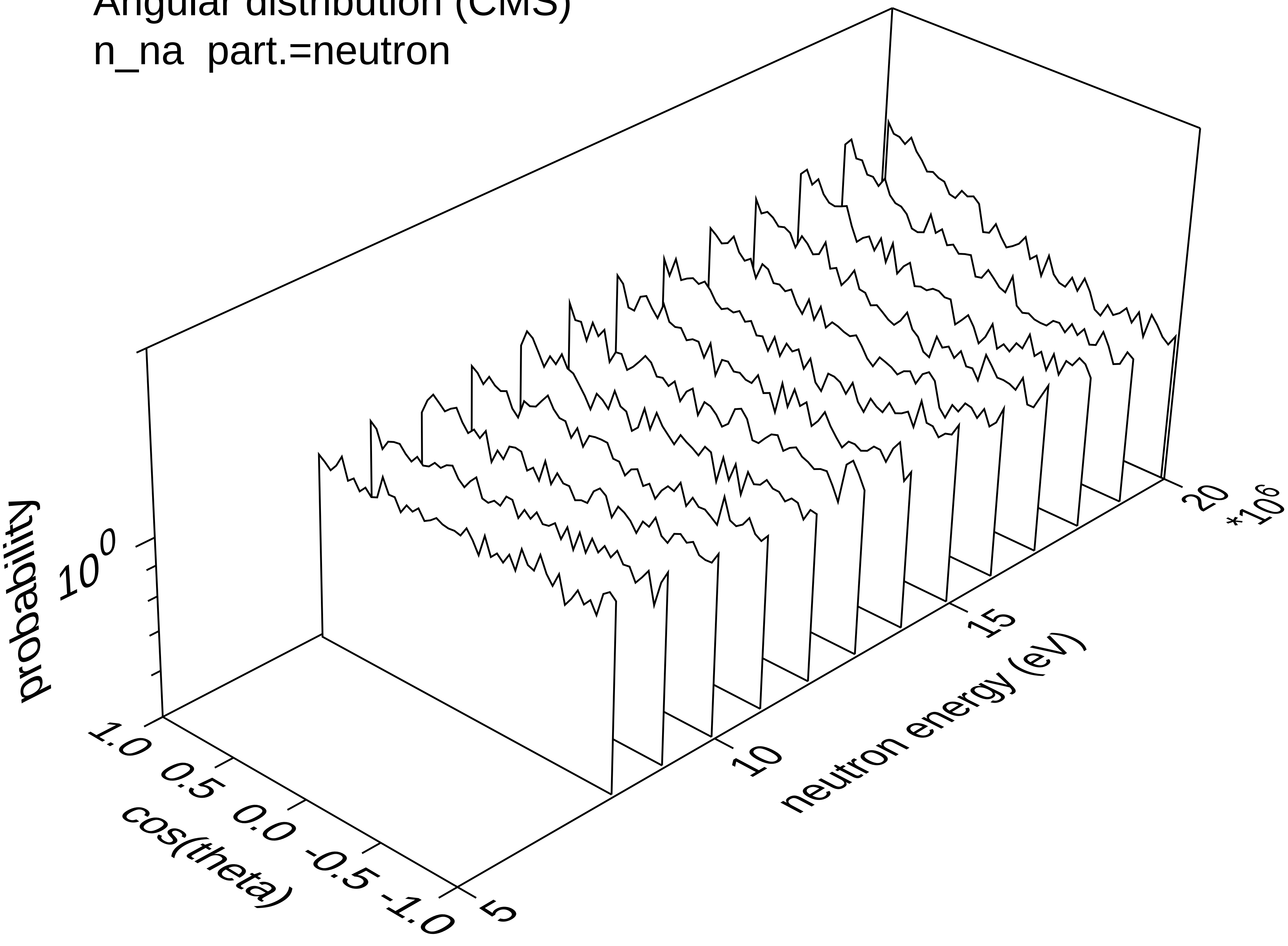
Angular distribution (CMS)
n_2n part.=neutron



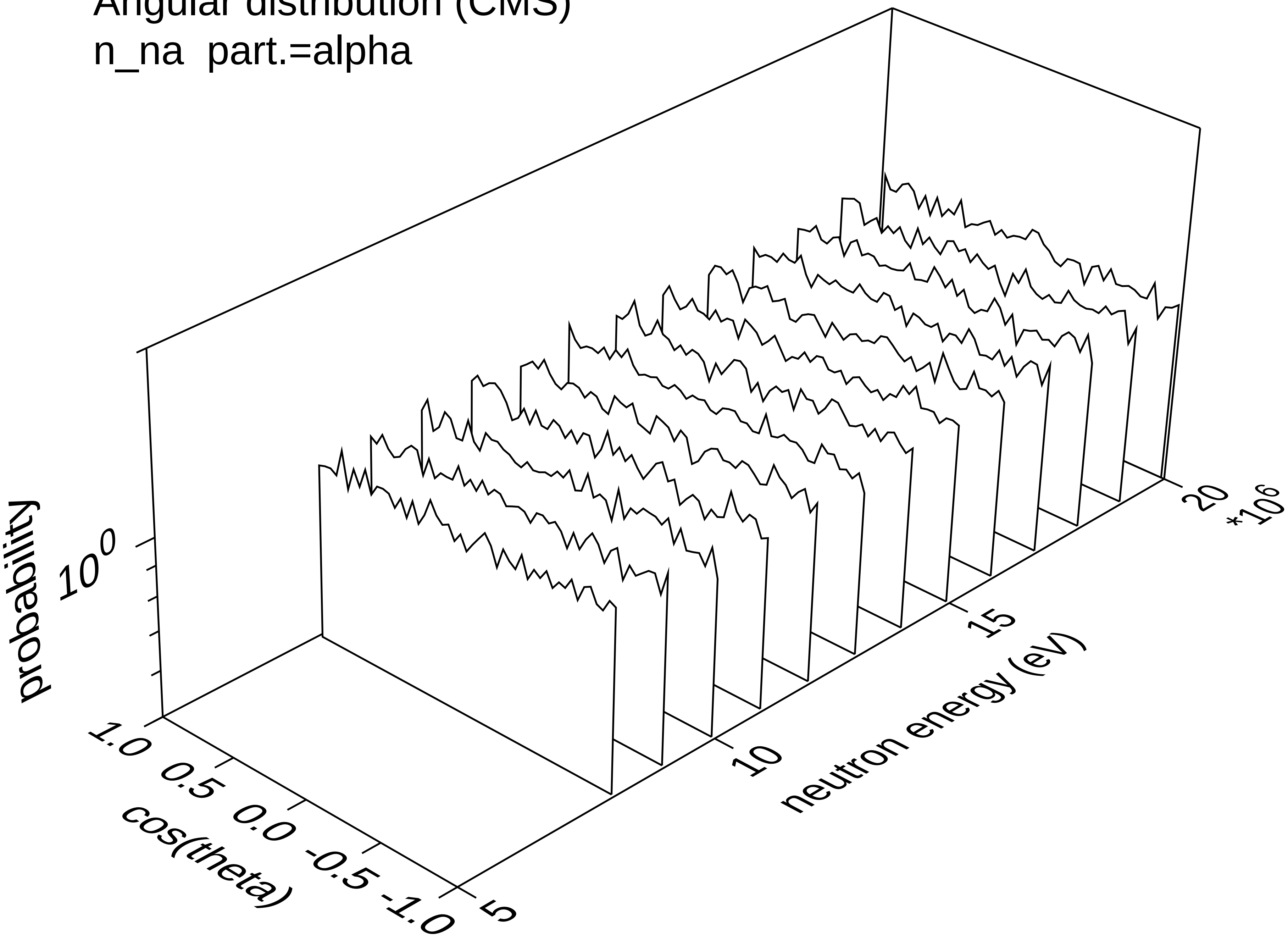
Angular distribution (CMS)
n_2n part.=gamma



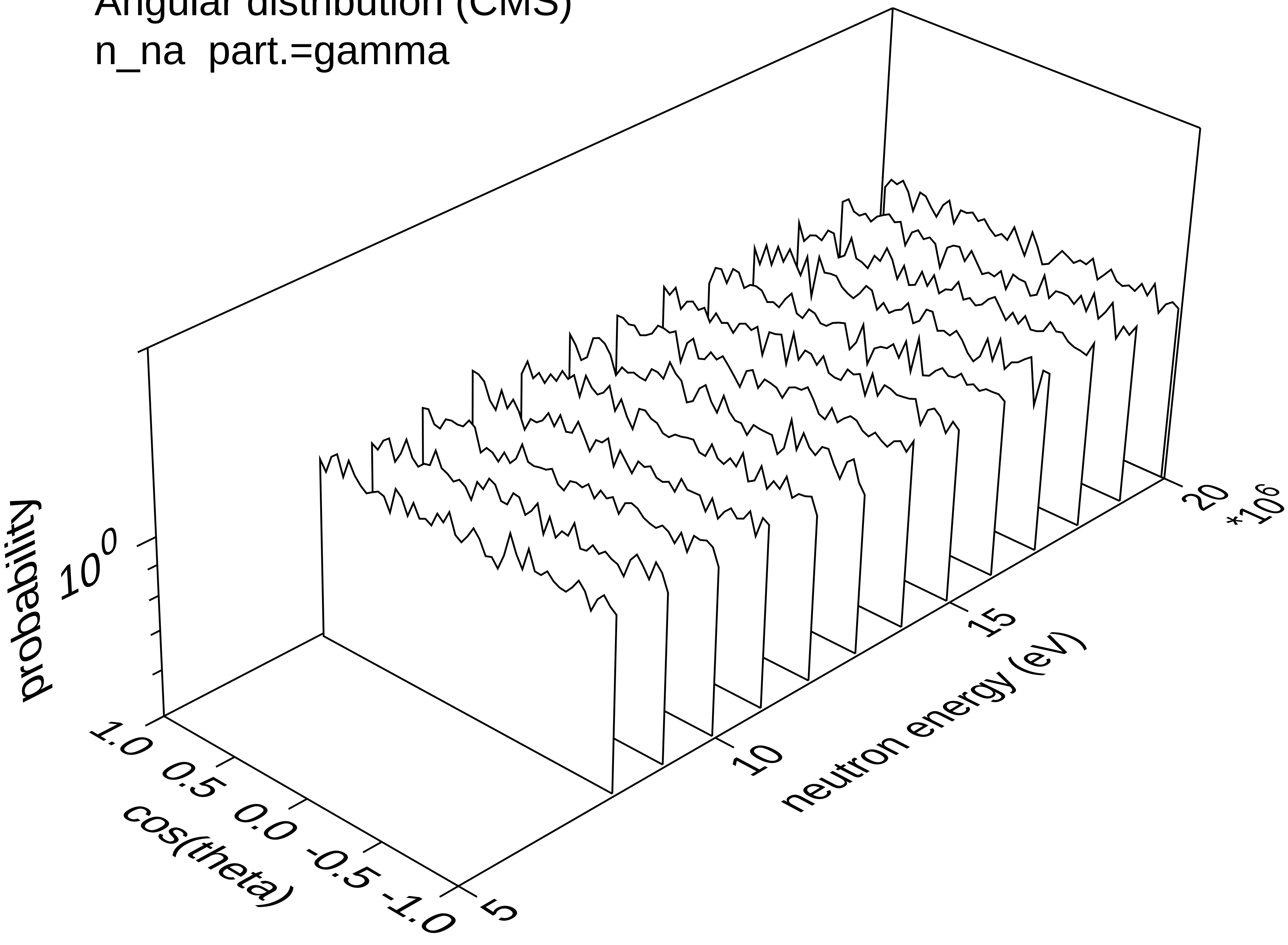
Angular distribution (CMS)
n_na part.=neutron



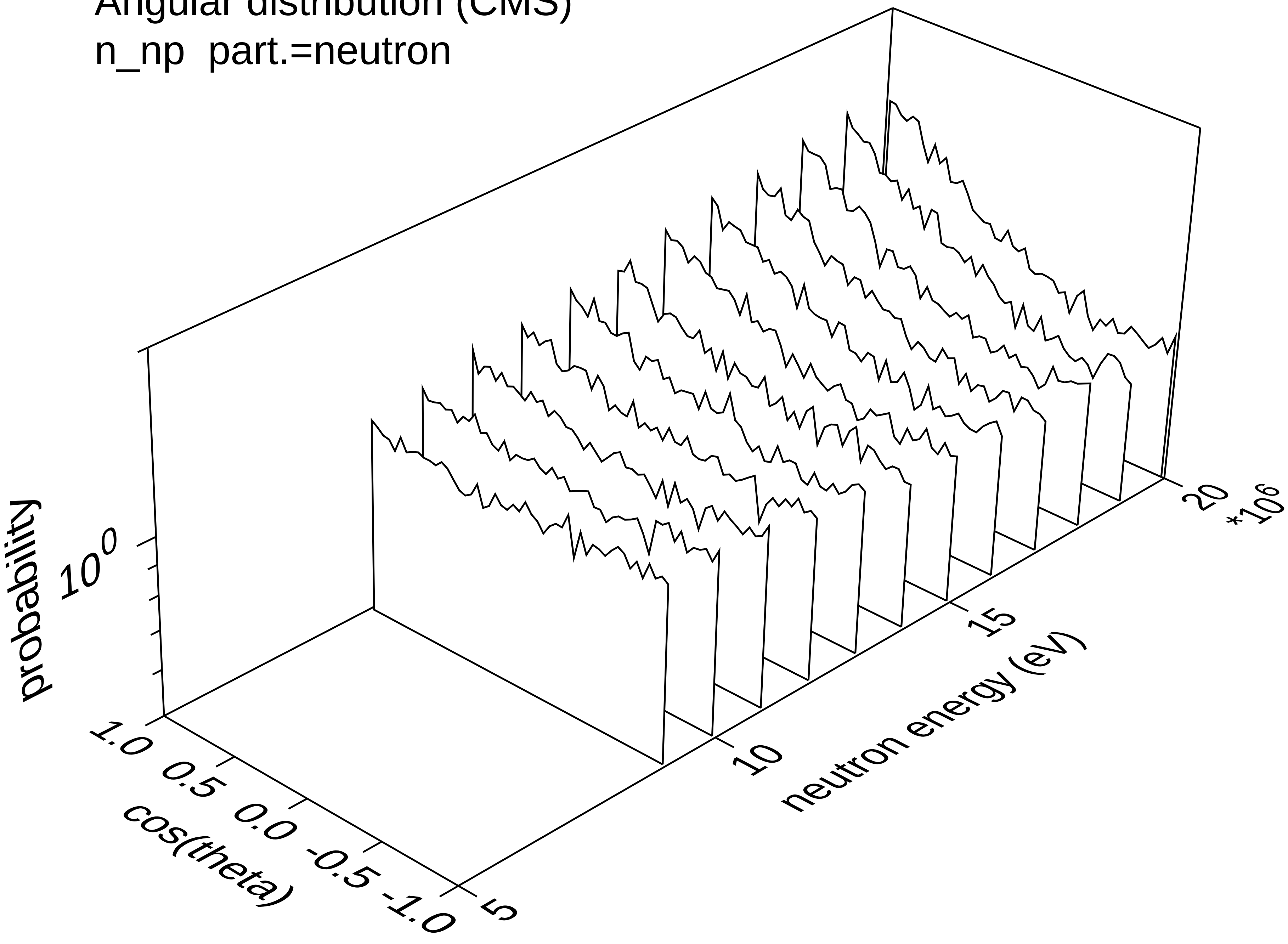
Angular distribution (CMS)
n_na part.=alpha



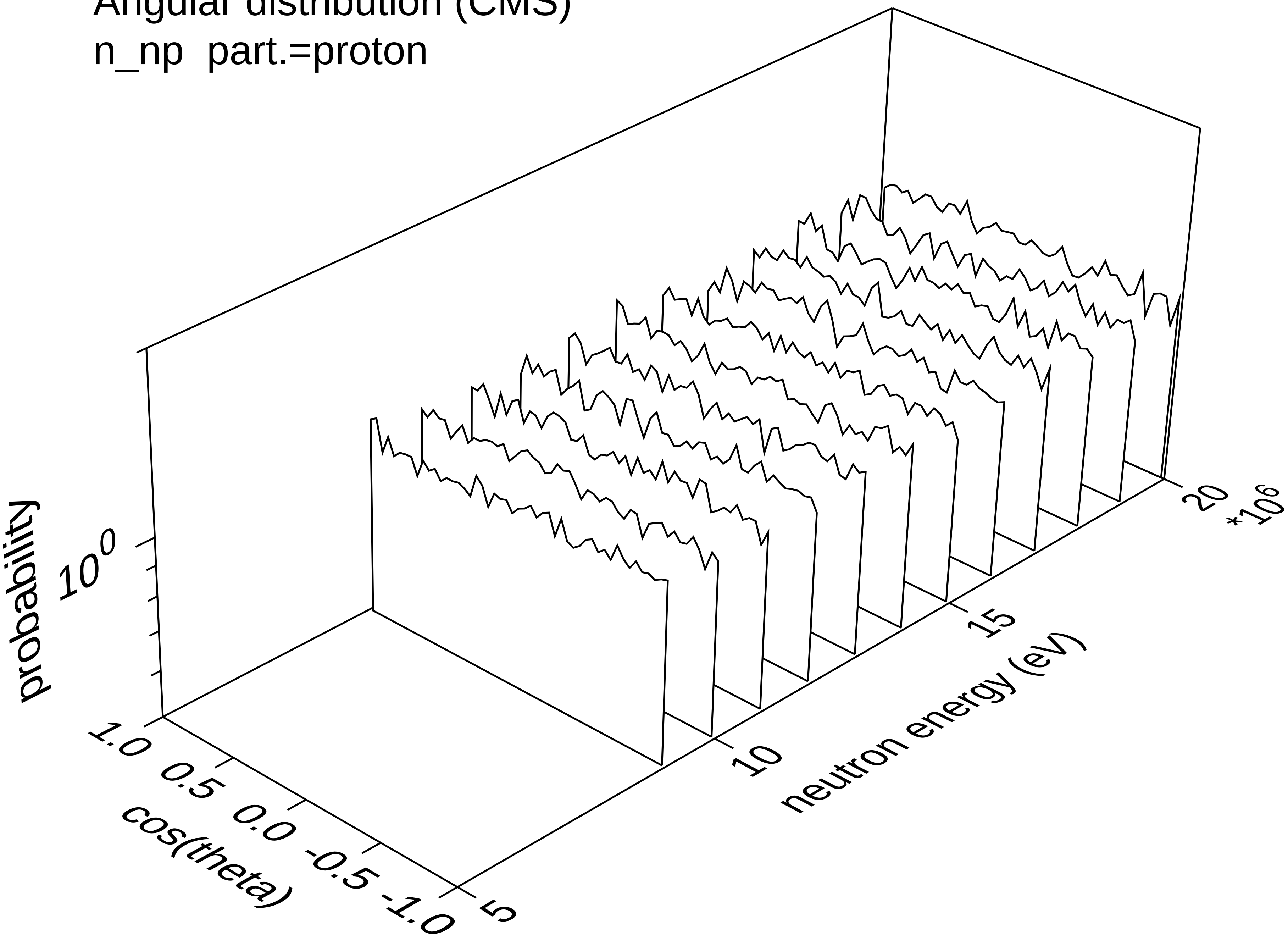
Angular distribution (CMS)
n_na part.=gamma



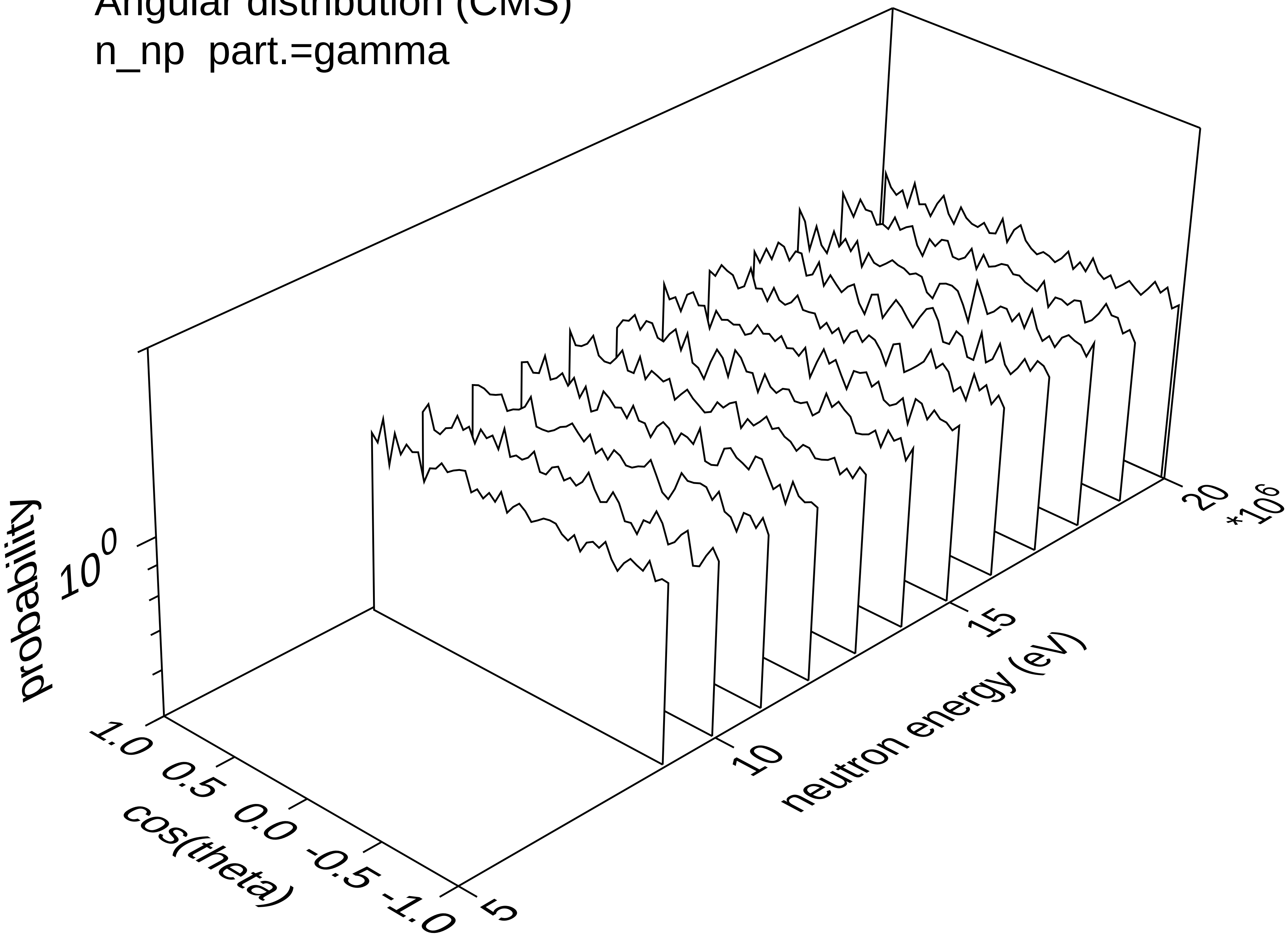
Angular distribution (CMS)
n_np part.=neutron



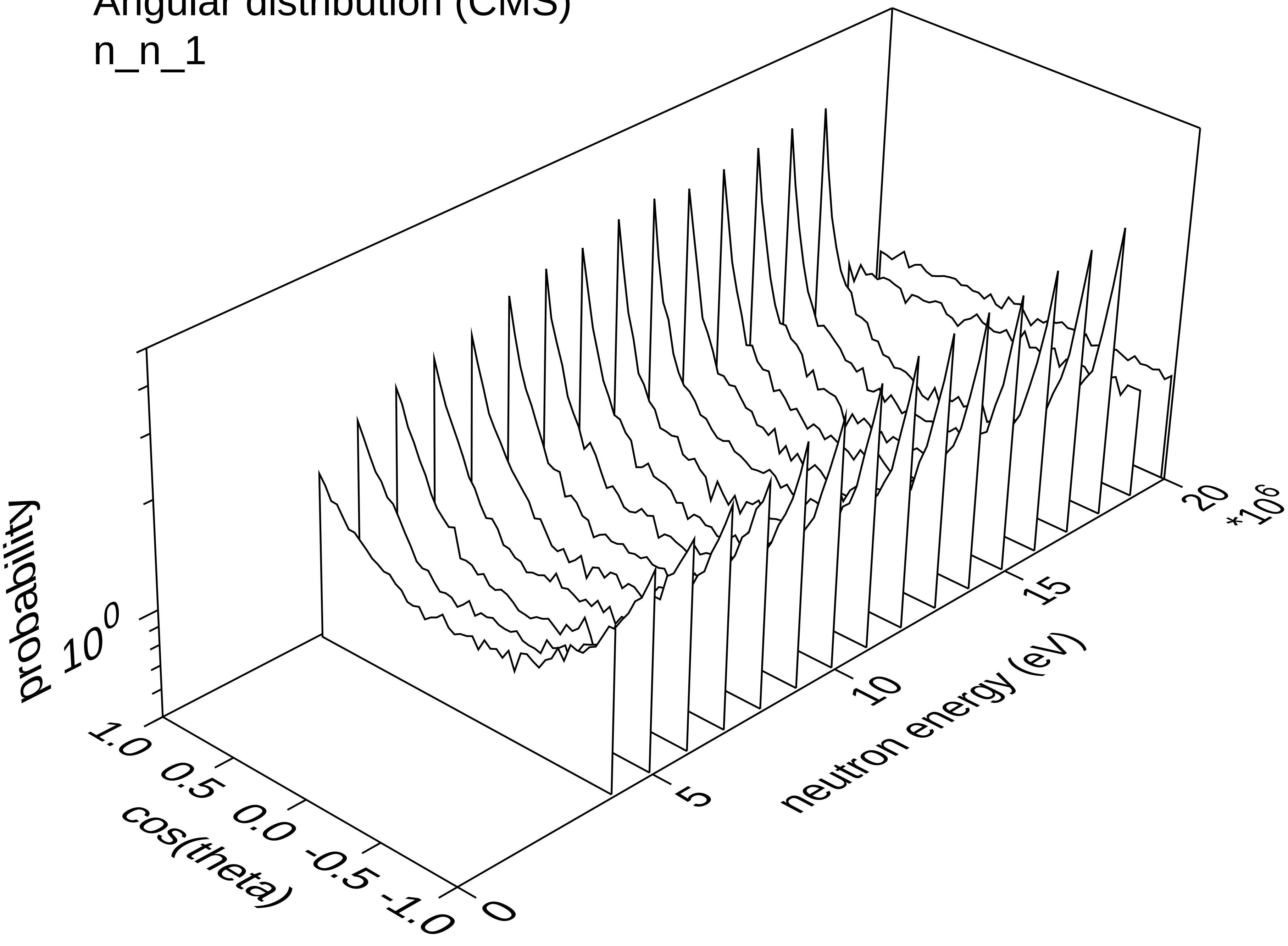
Angular distribution (CMS)
n_np part.=proton



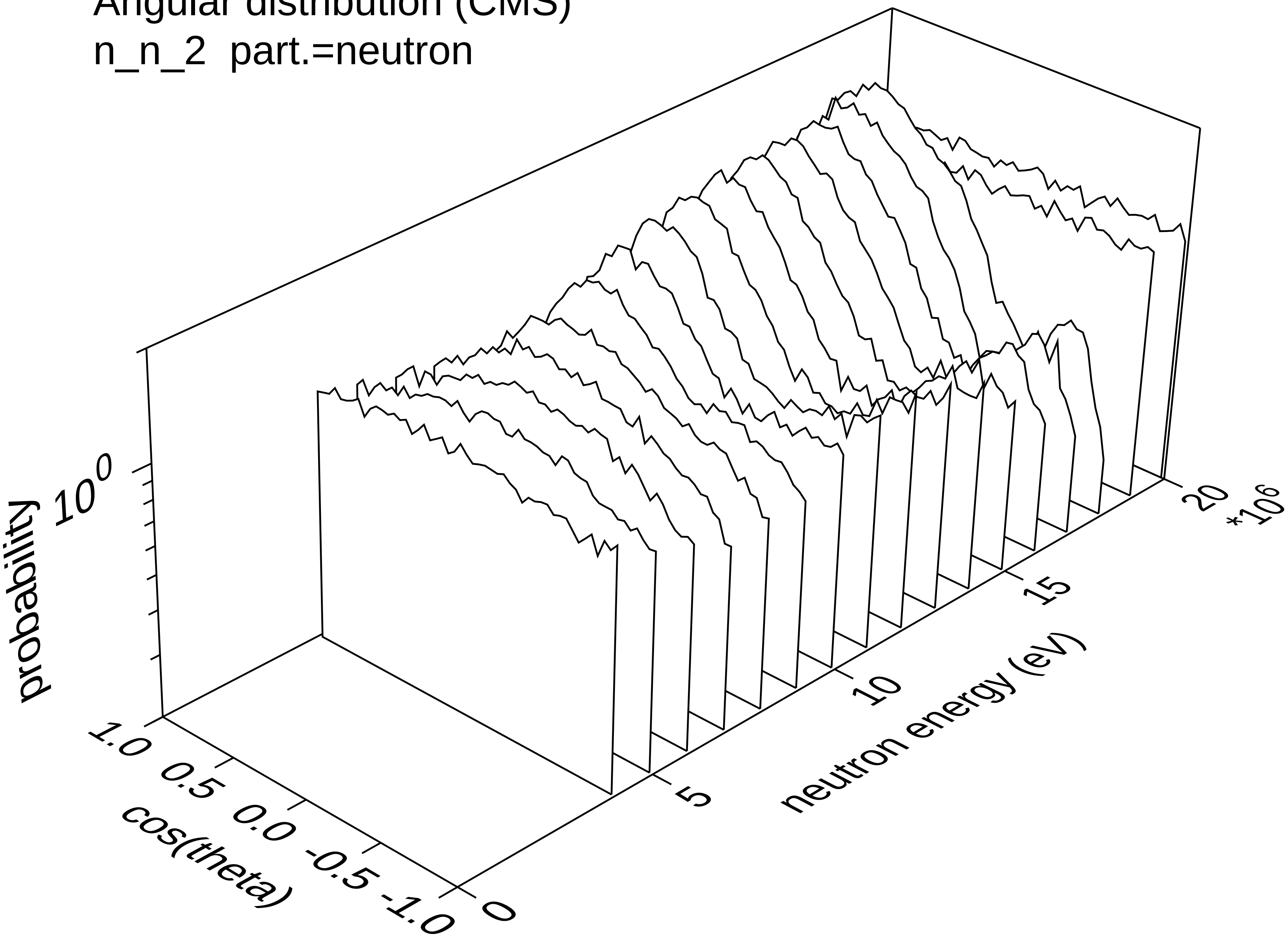
Angular distribution (CMS)
n_np part.=gamma



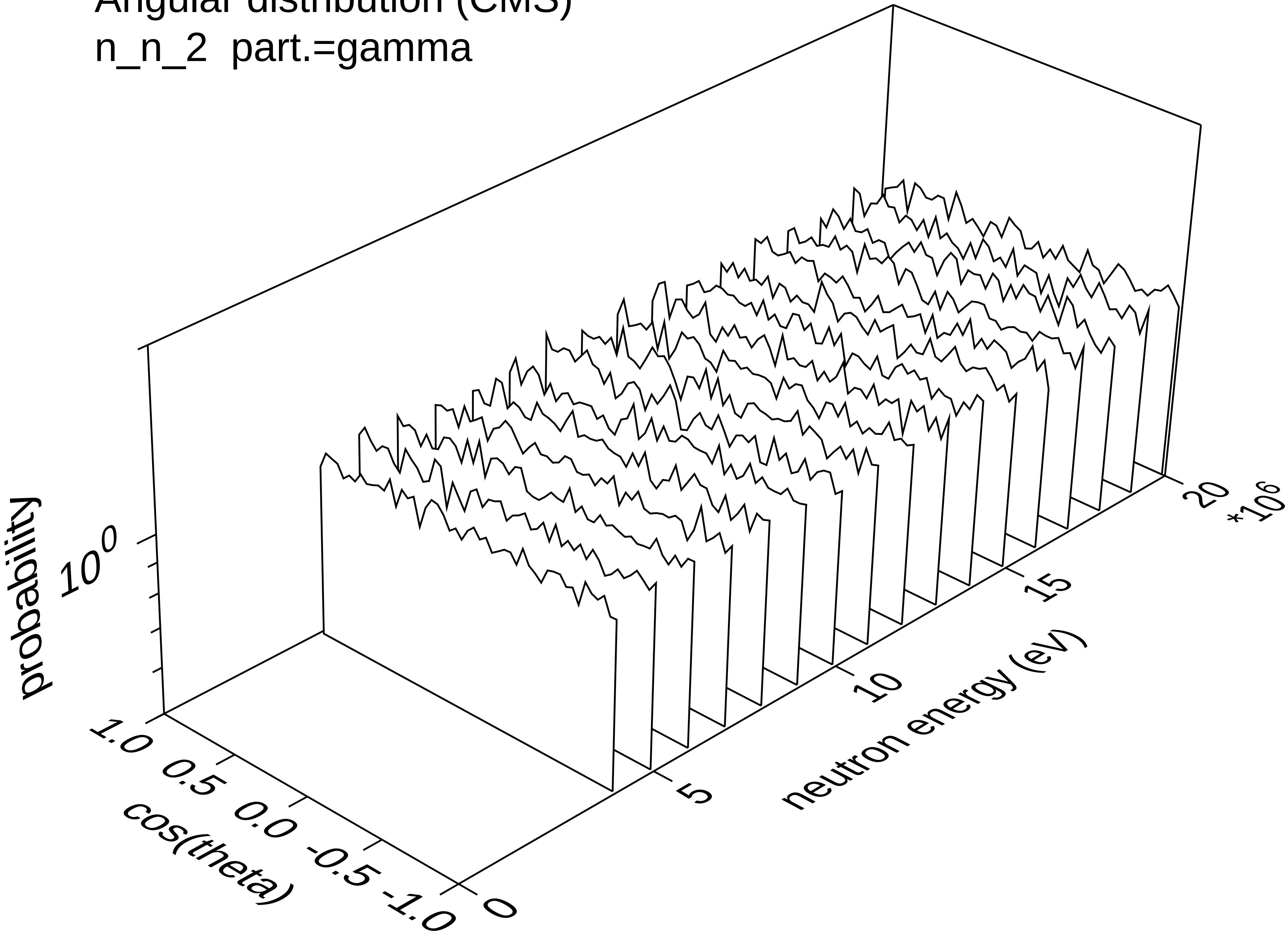
Angular distribution (CMS)
n_n_1



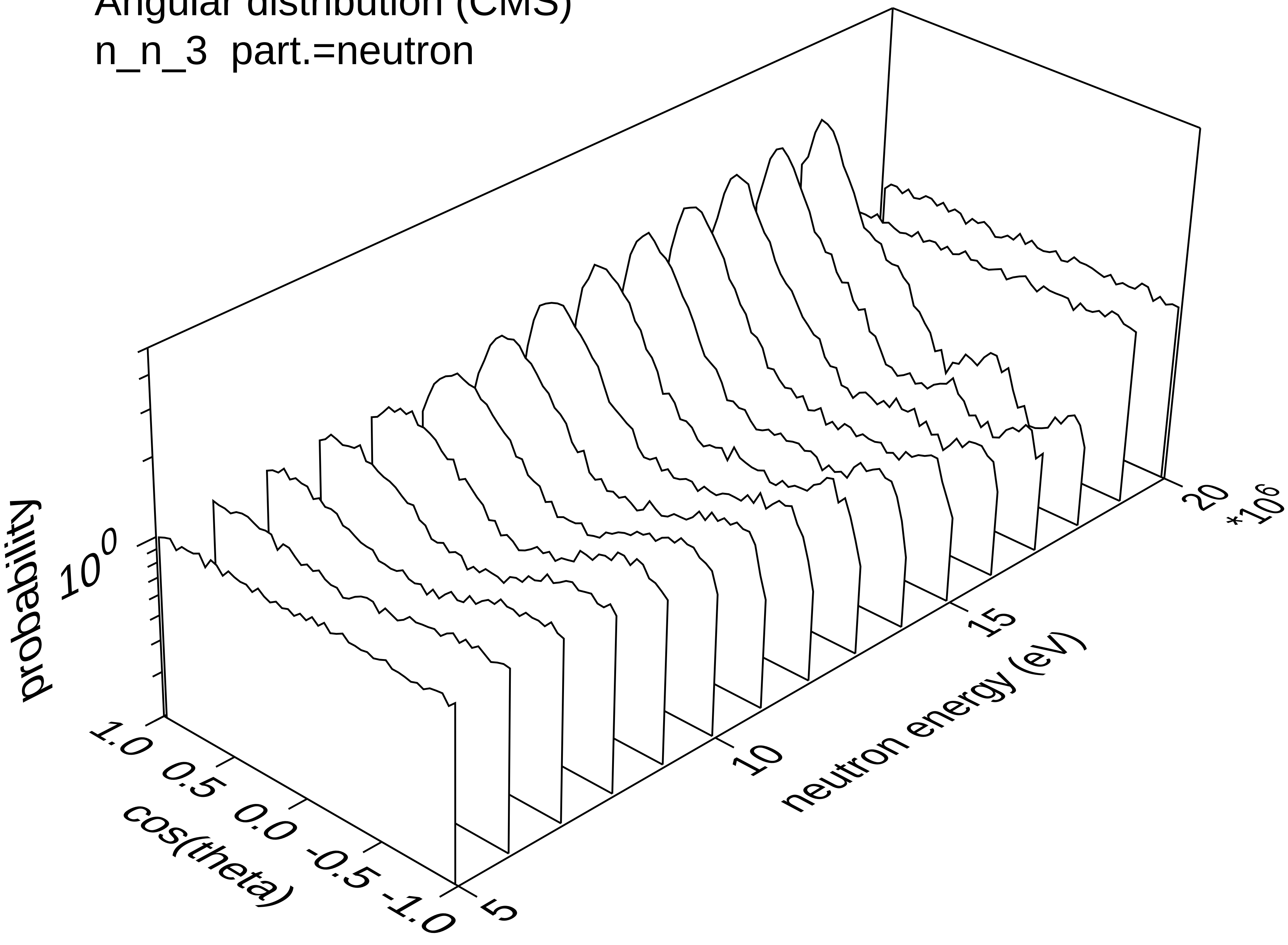
Angular distribution (CMS)
n_n_2 part.=neutron



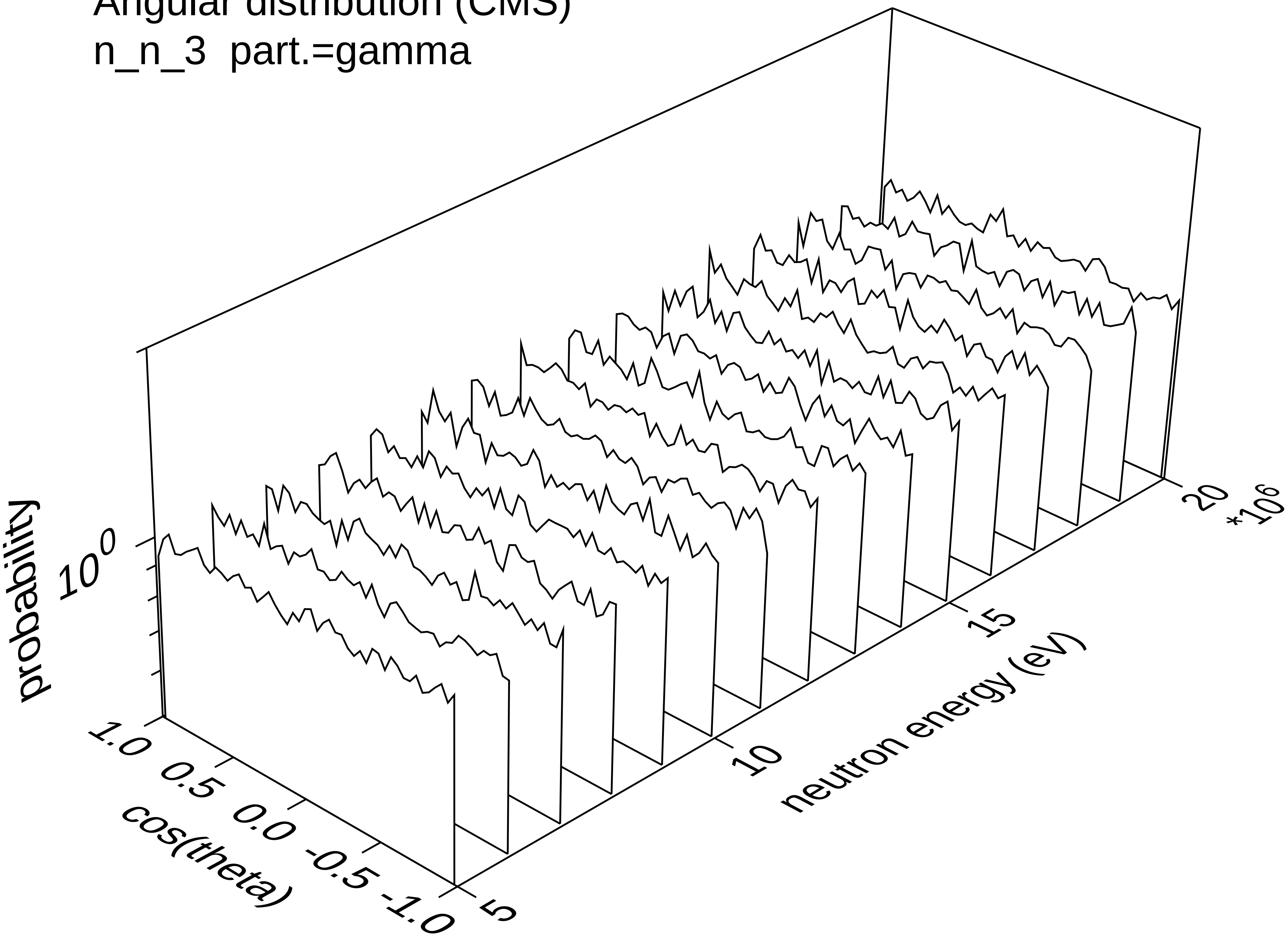
Angular distribution (CMS)
n_n_2 part.=gamma



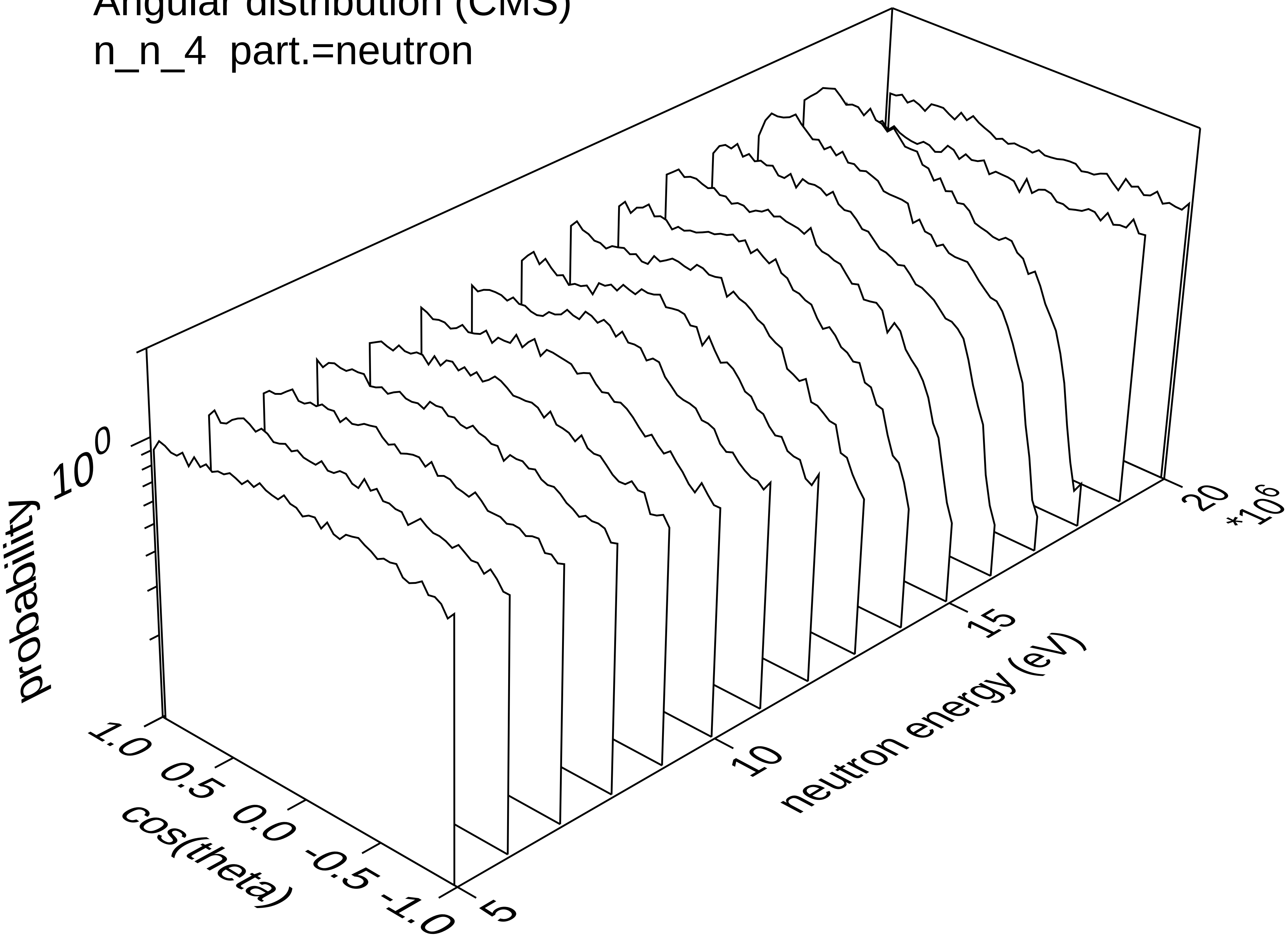
Angular distribution (CMS)
n_n_3 part.=neutron



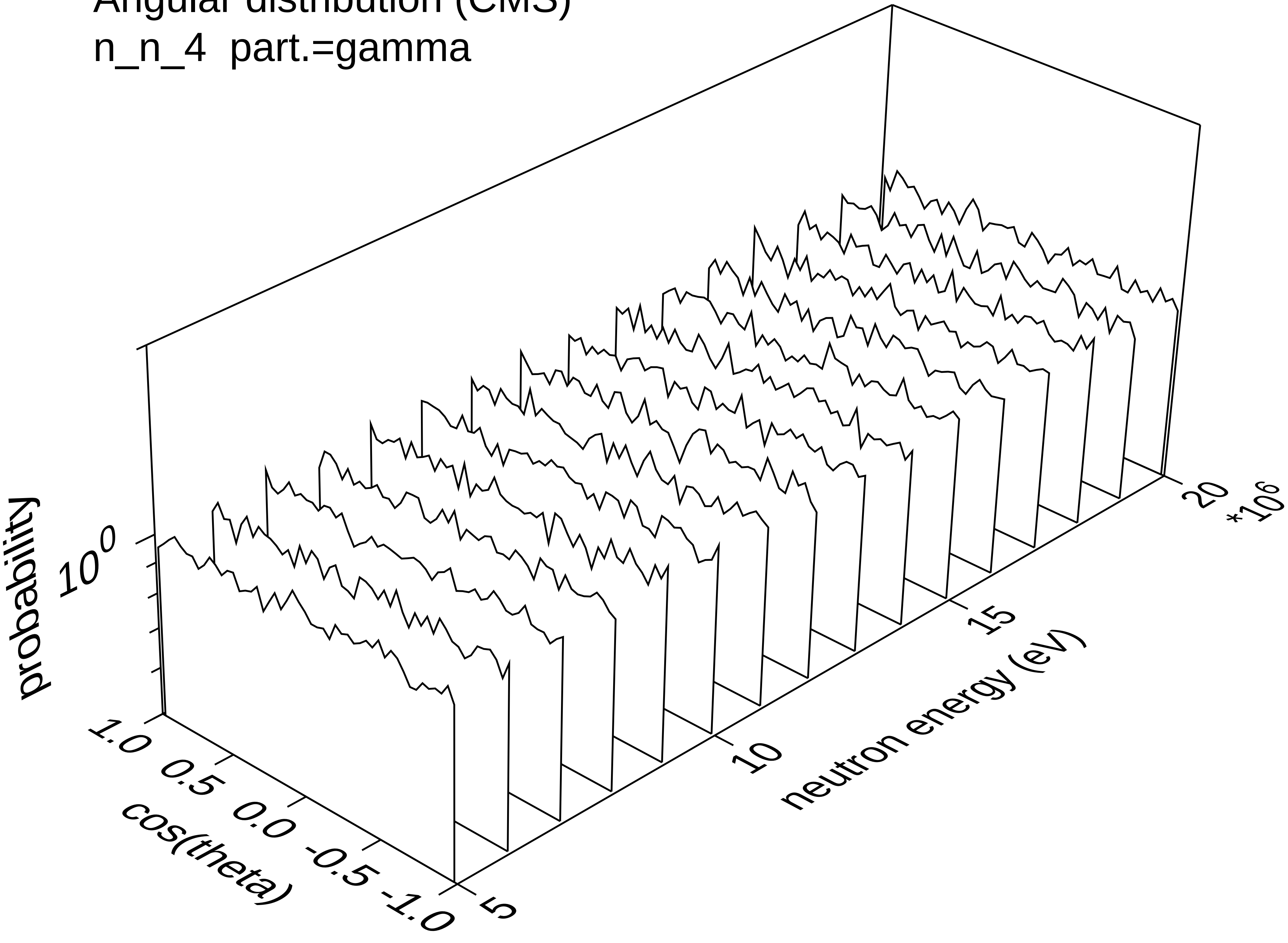
Angular distribution (CMS)
n_n_3 part.=gamma



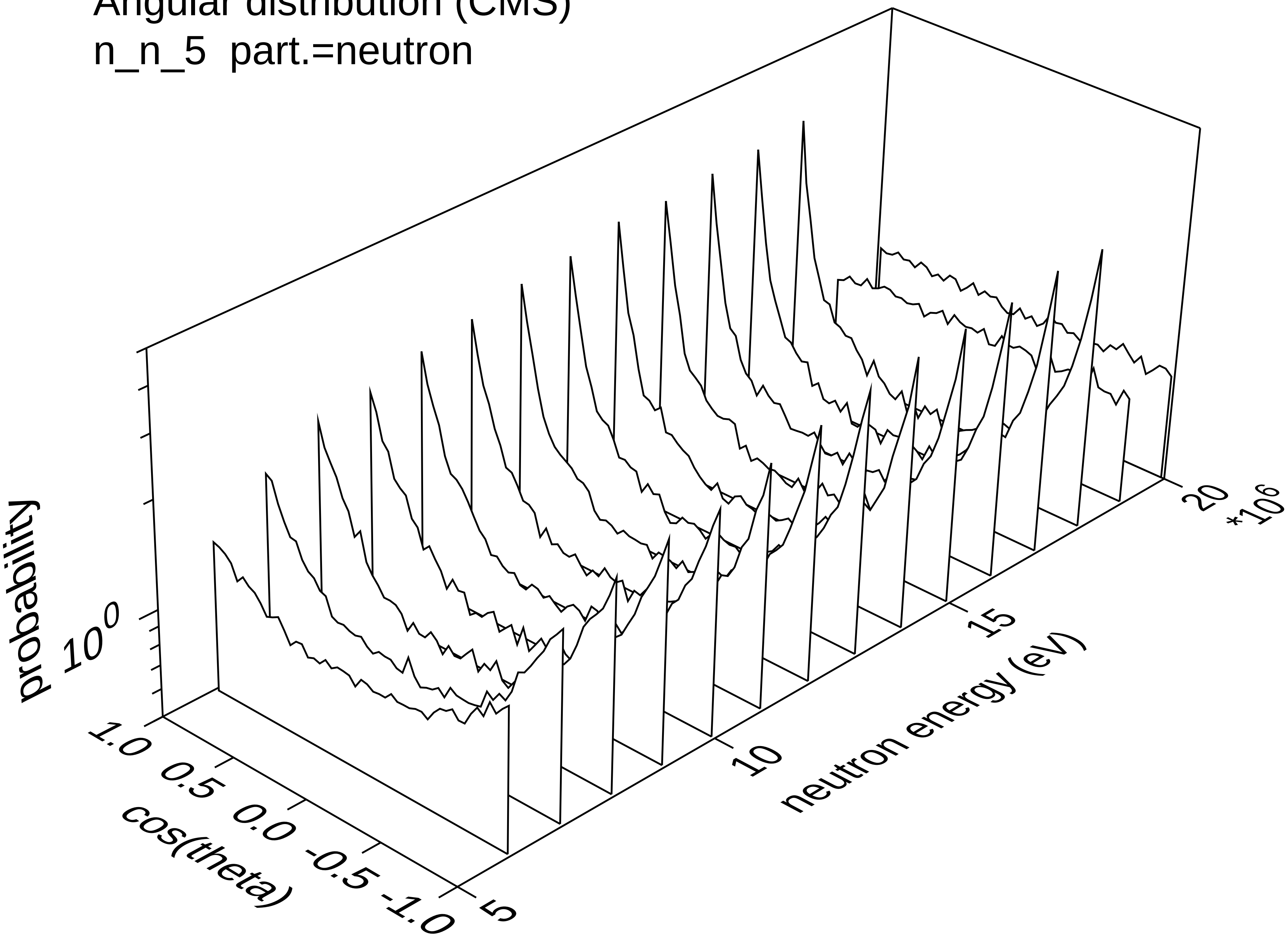
Angular distribution (CMS)
n_n_4 part.=neutron



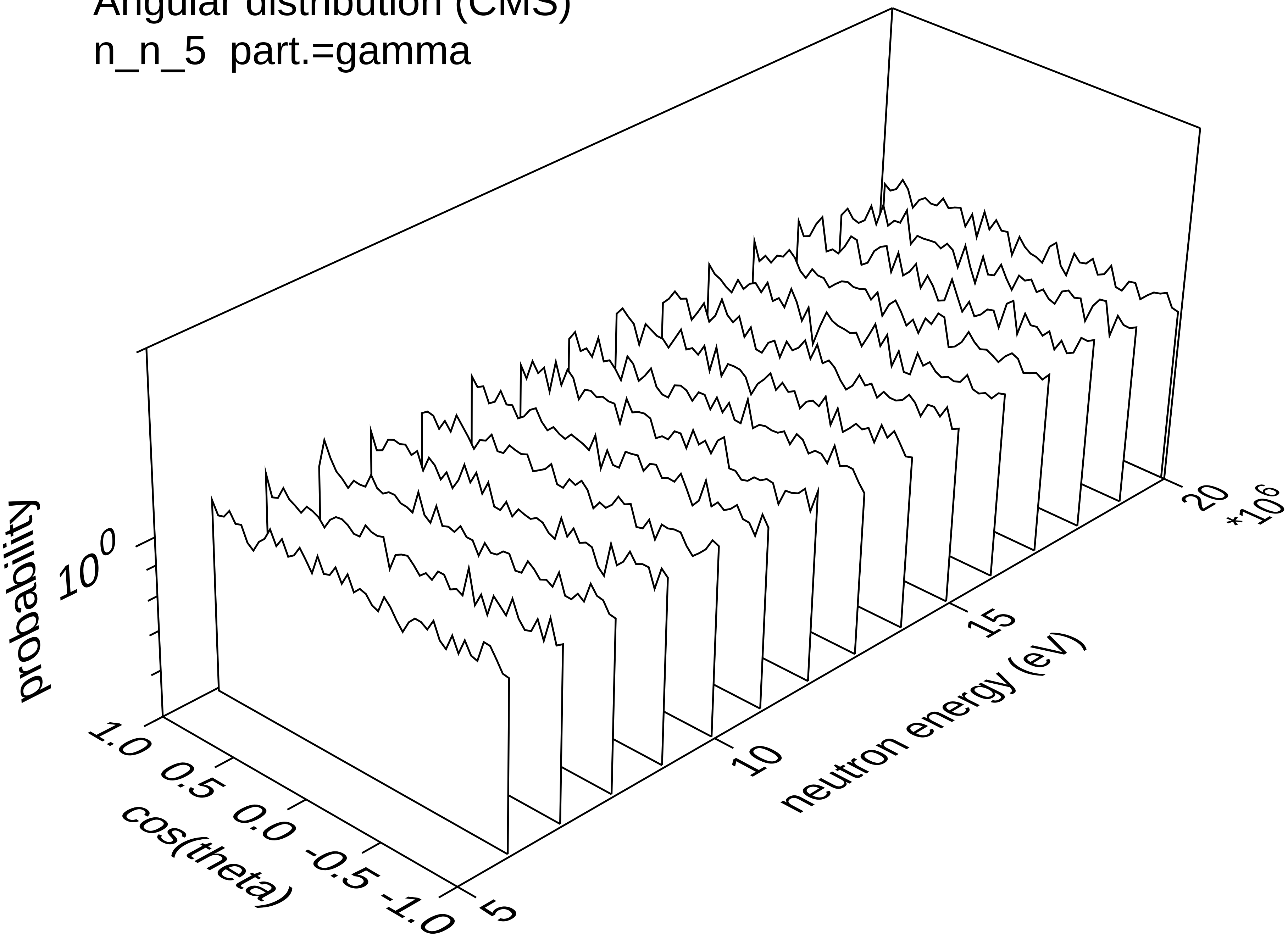
Angular distribution (CMS)
n_n_4 part.=gamma



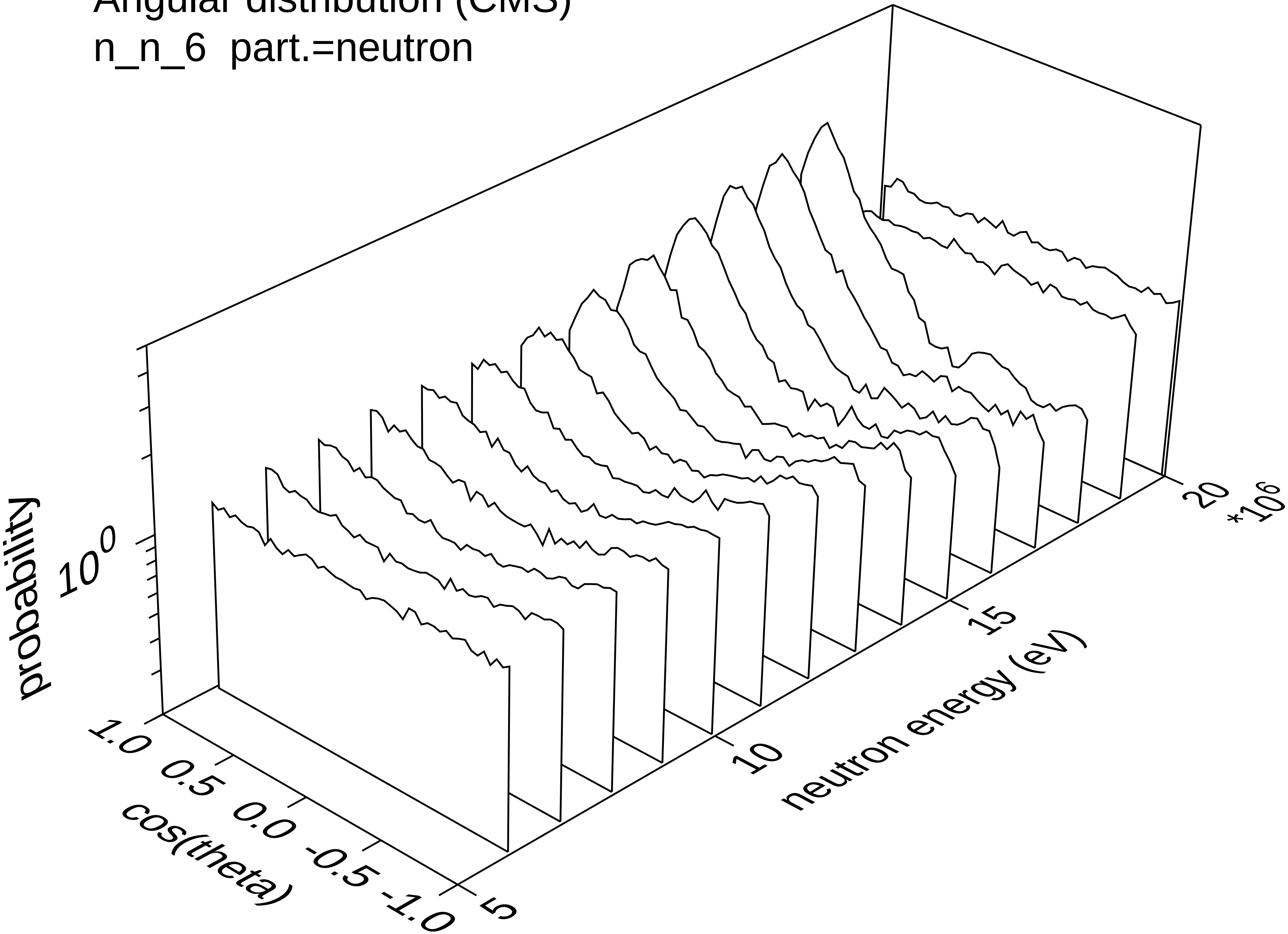
Angular distribution (CMS)
n_n_5 part.=neutron



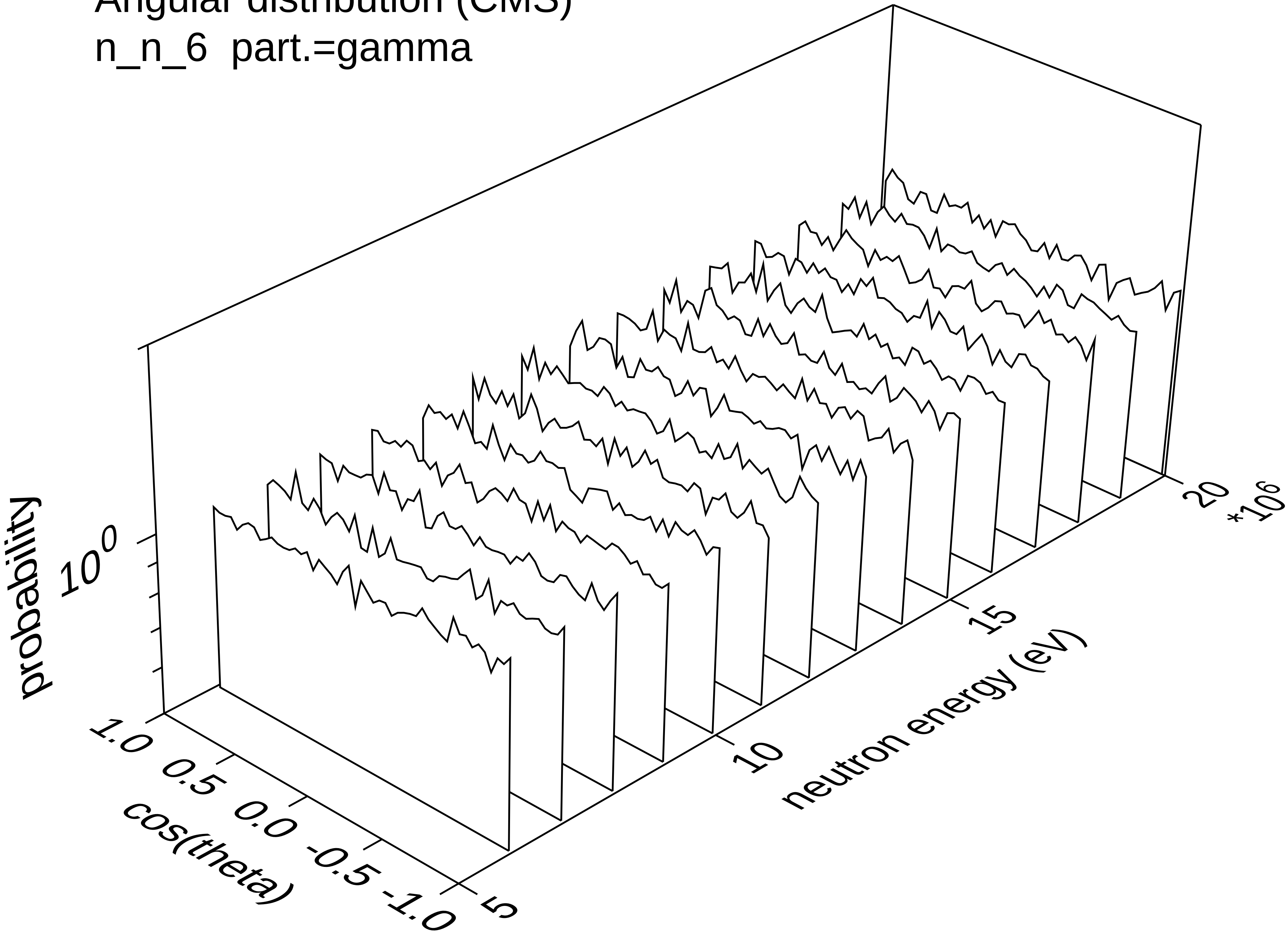
Angular distribution (CMS)
n_n_5 part.=gamma



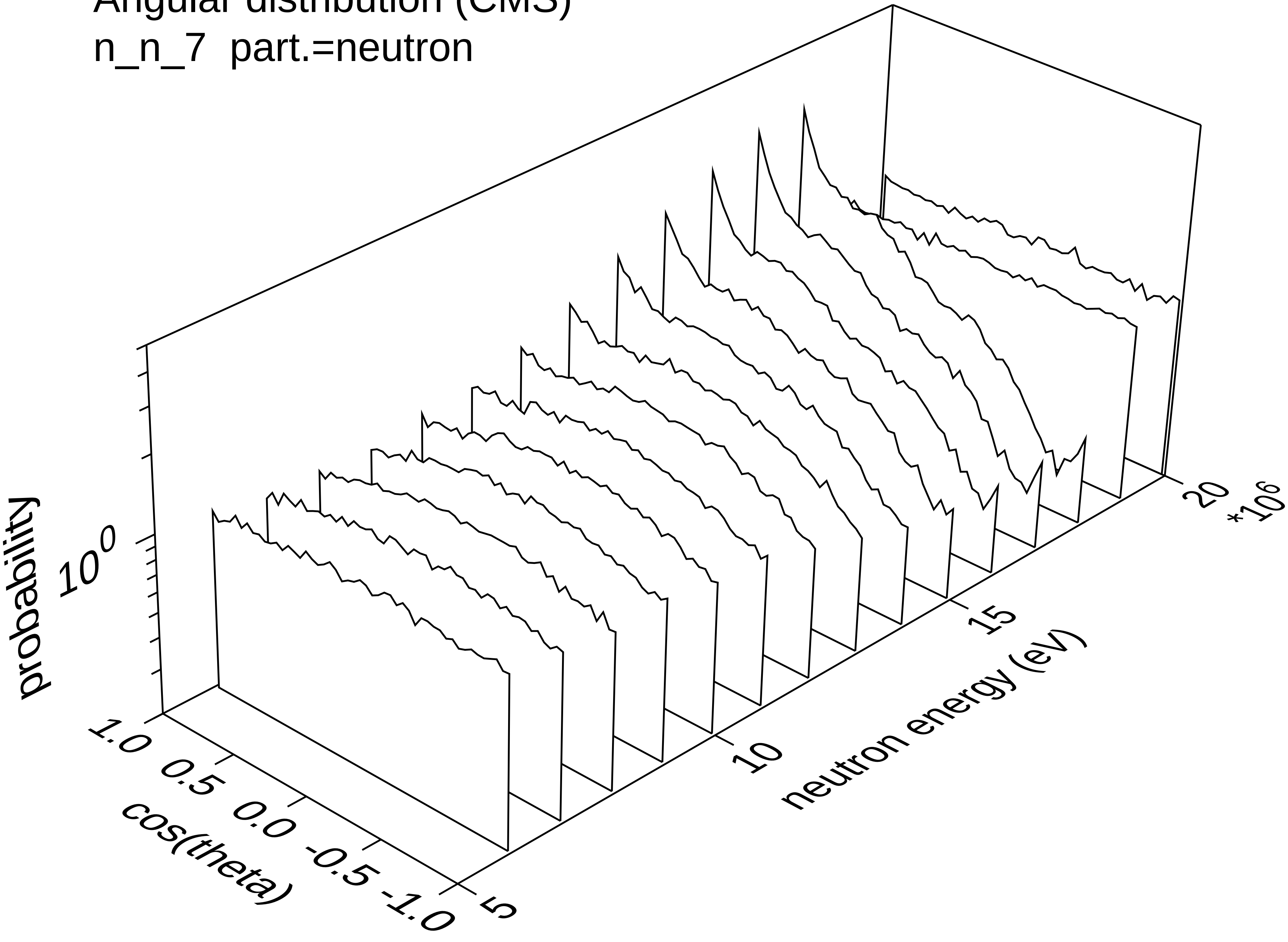
Angular distribution (CMS)
n_n_6 part.=neutron



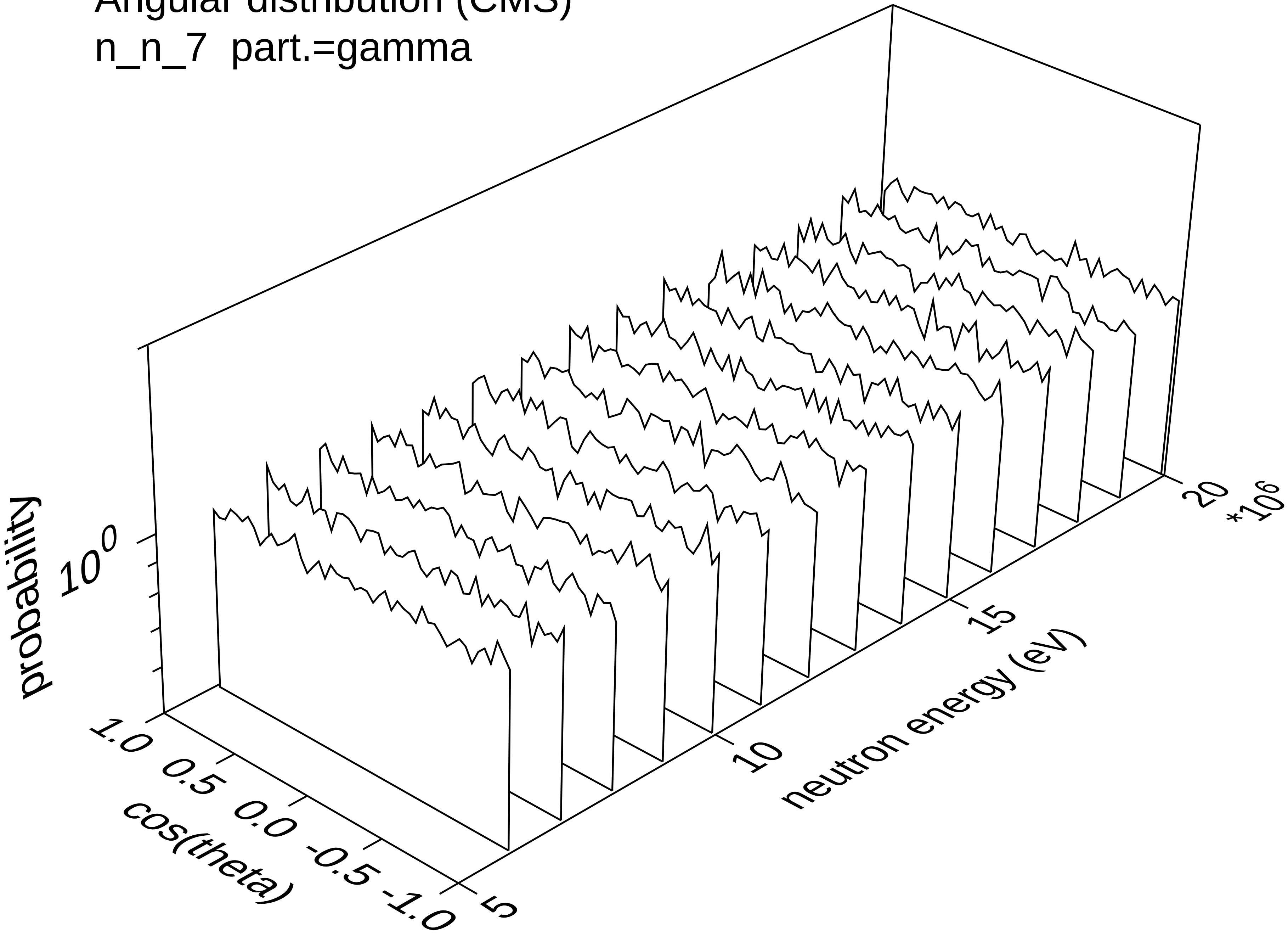
Angular distribution (CMS)
n_n_6 part.=gamma



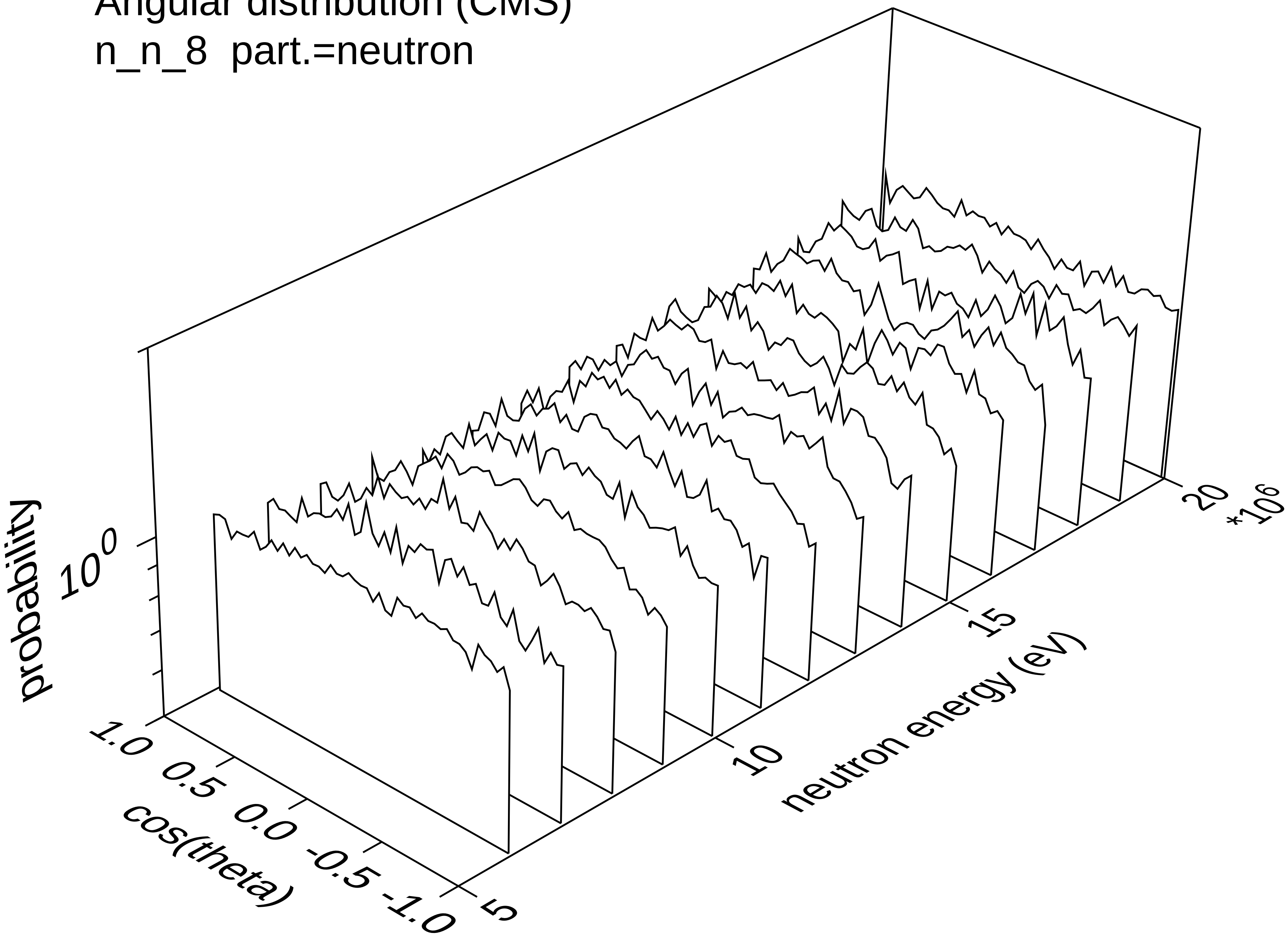
Angular distribution (CMS)
n_n_7 part.=neutron



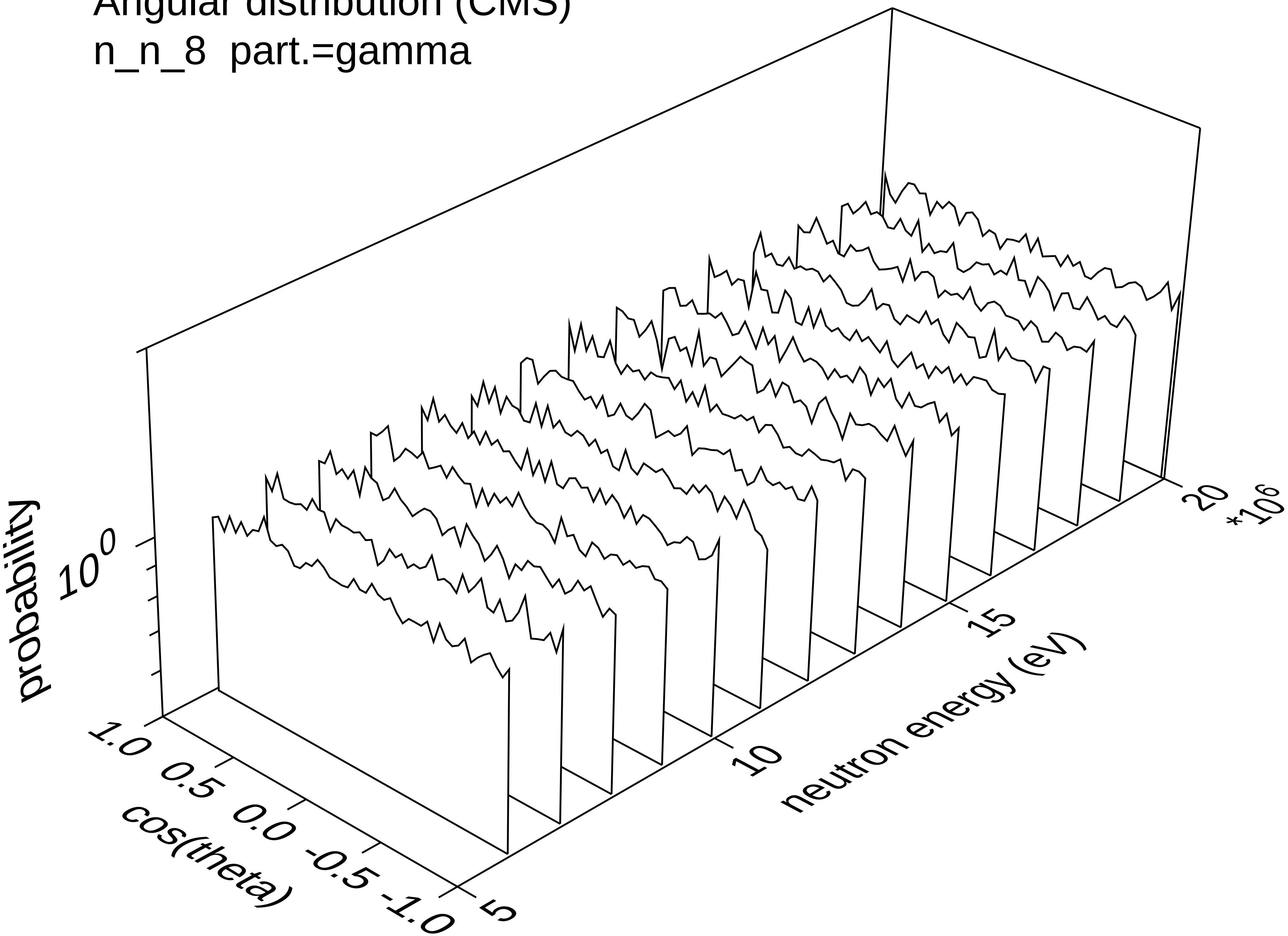
Angular distribution (CMS)
n_n_7 part.=gamma



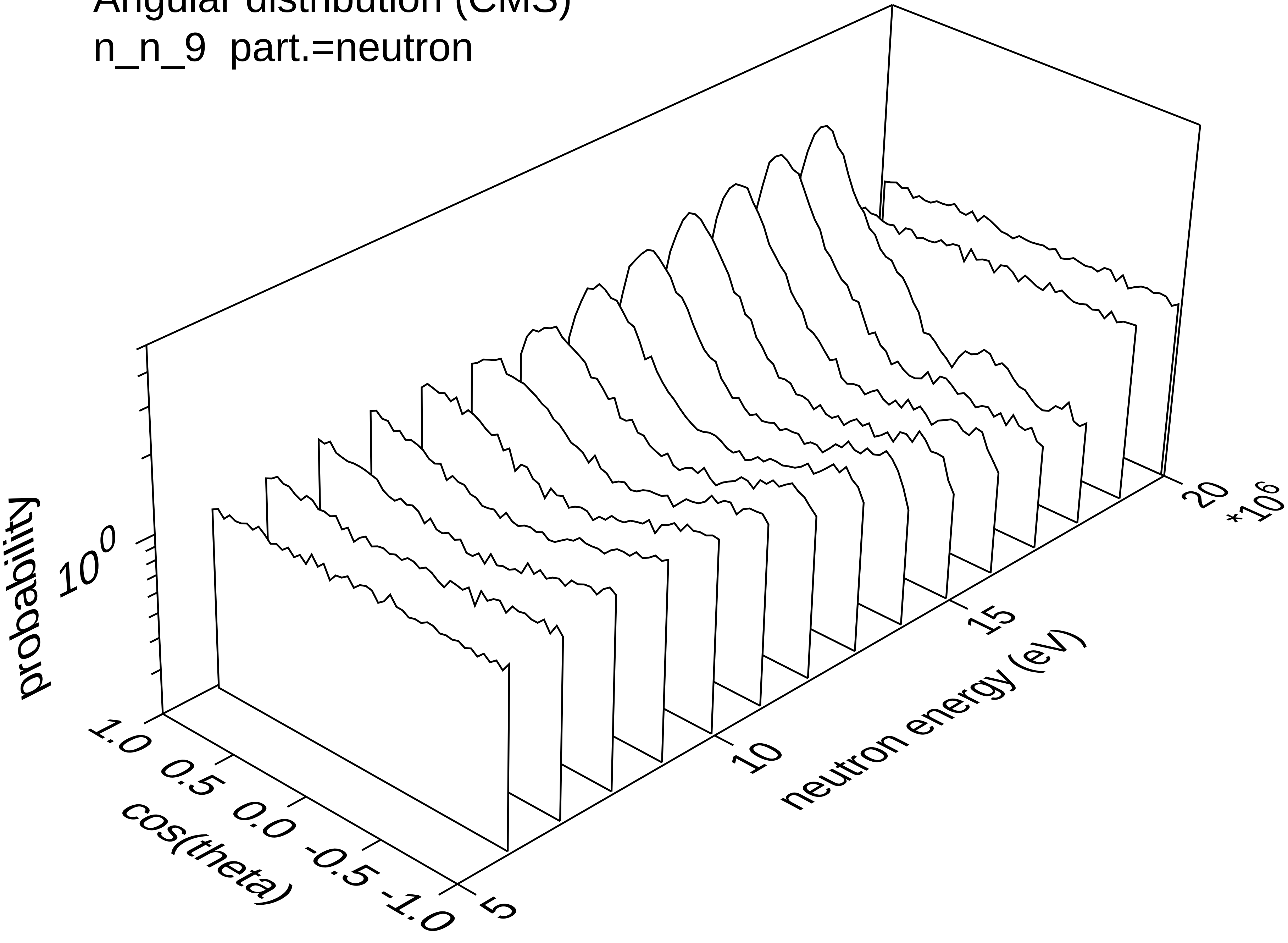
Angular distribution (CMS)
n_n_8 part.=neutron



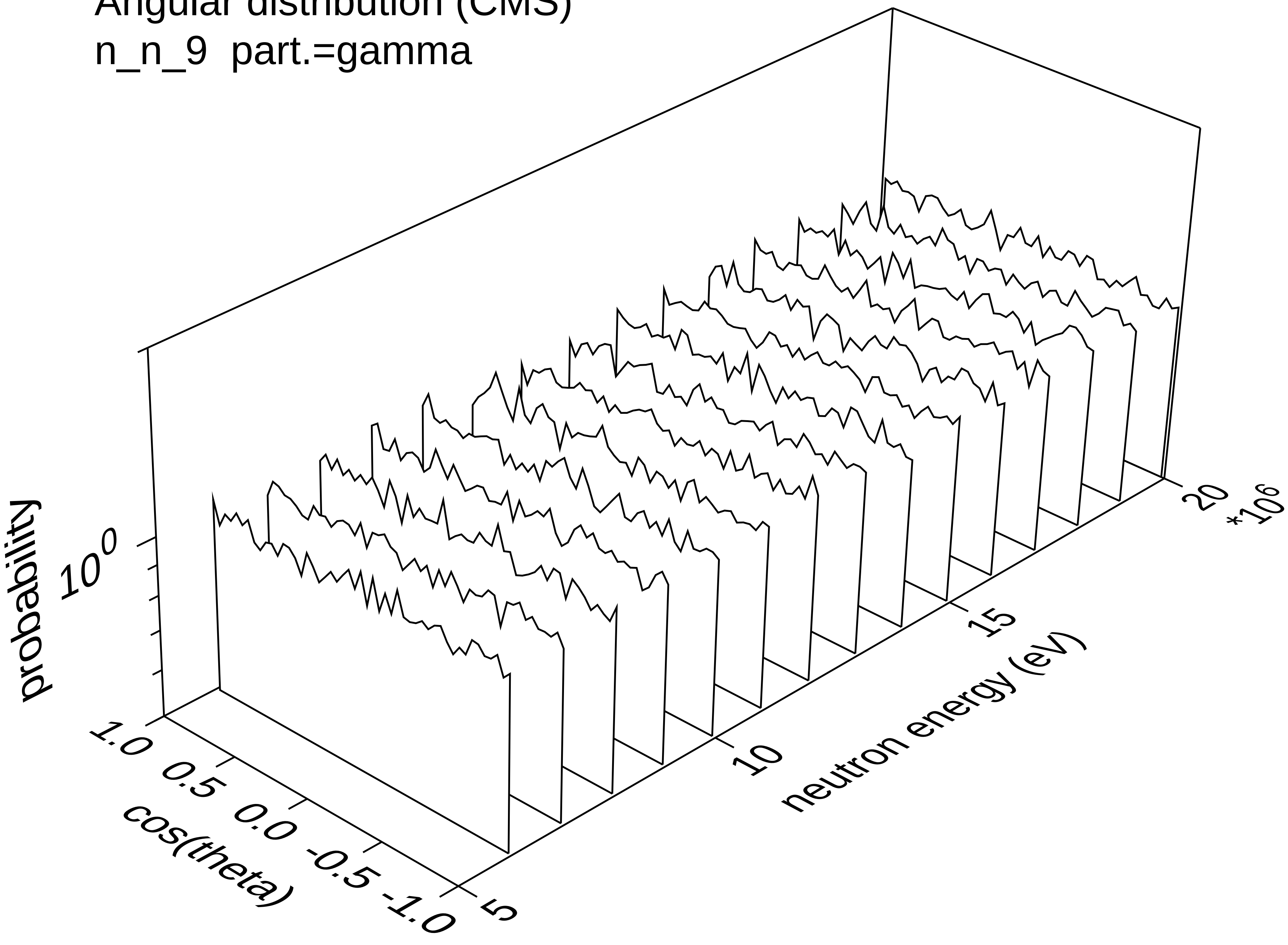
Angular distribution (CMS)
n_n_8 part.=gamma



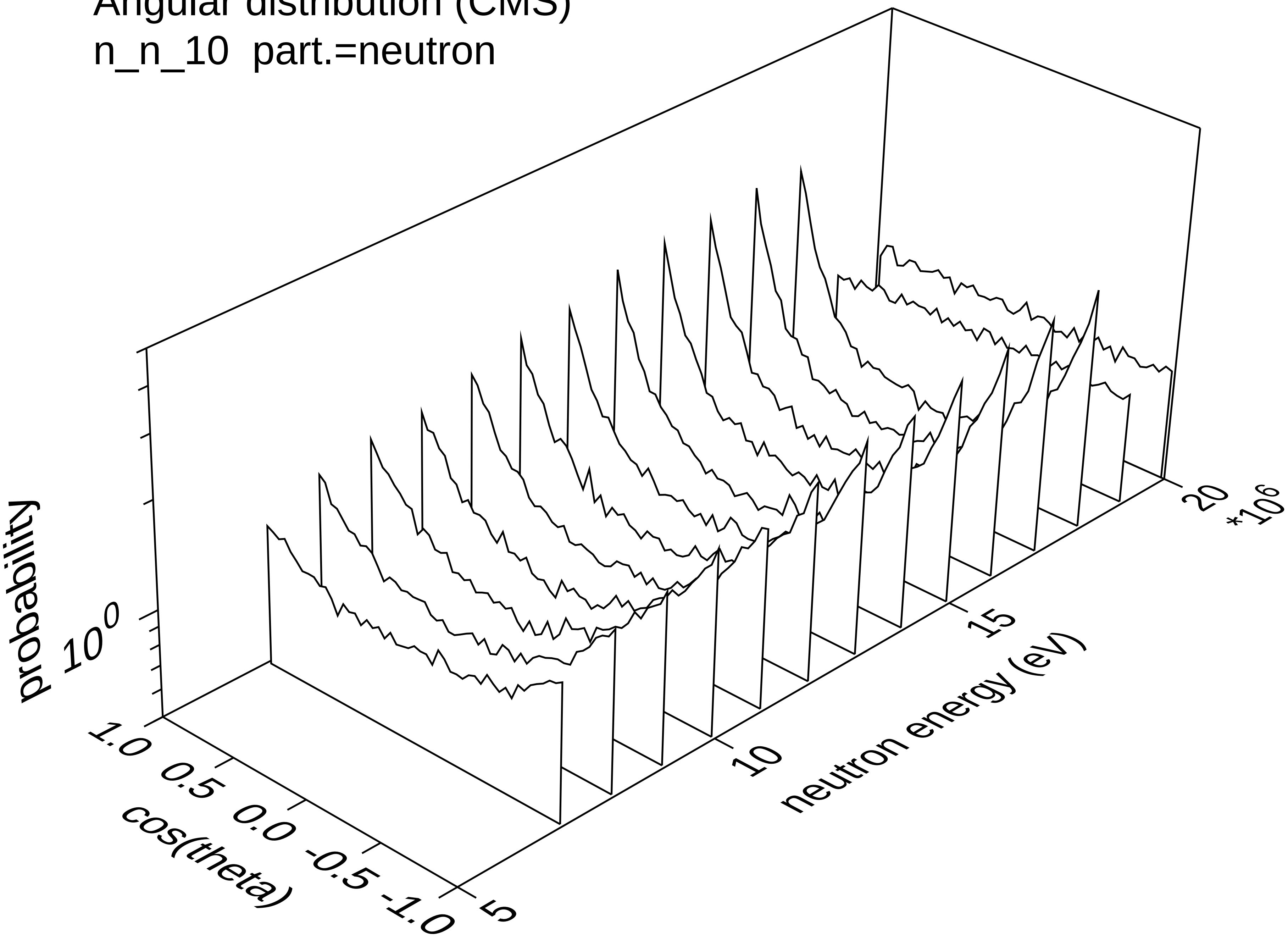
Angular distribution (CMS)
n_n_9 part.=neutron



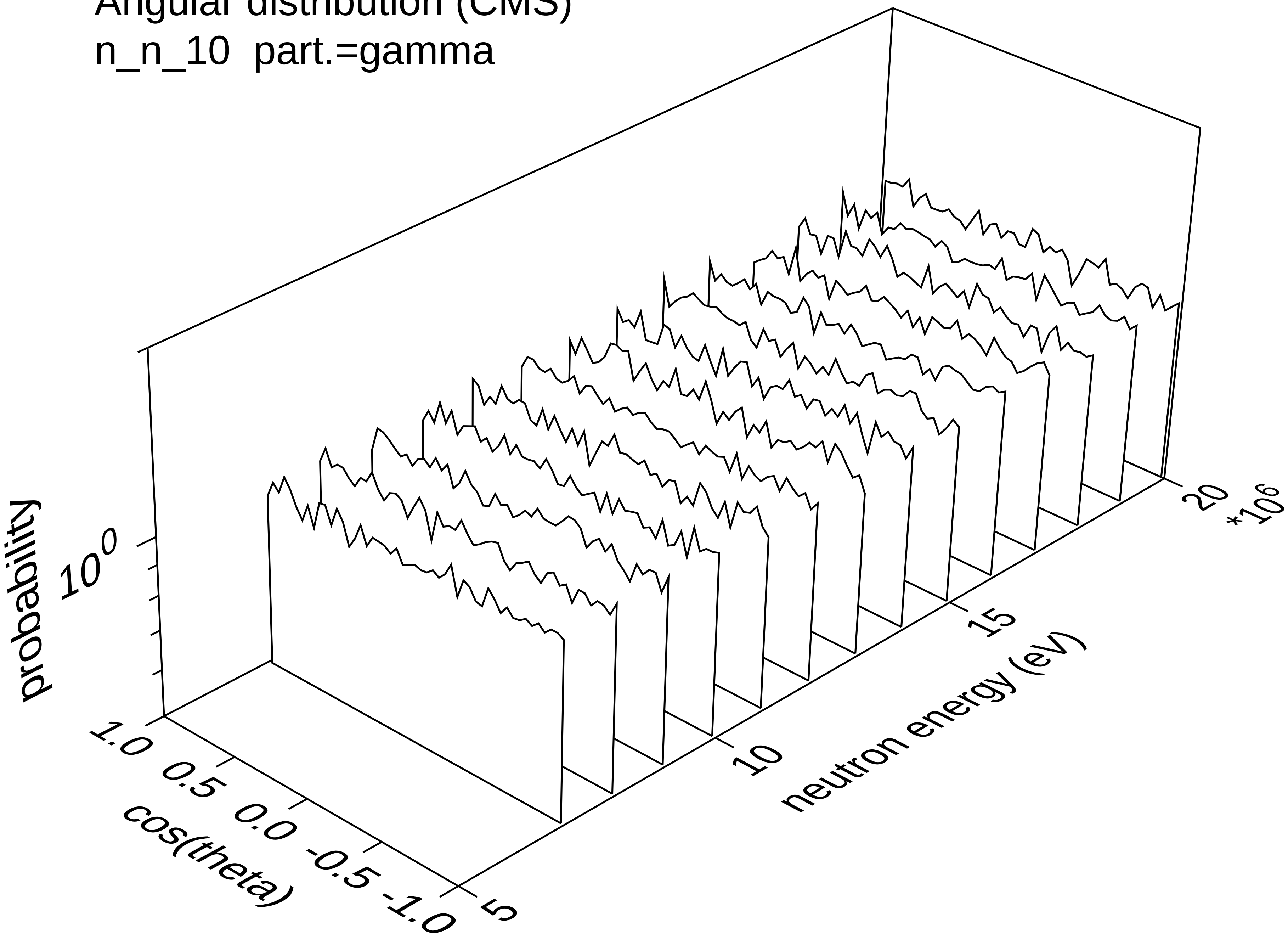
Angular distribution (CMS)
n_n_9 part.=gamma



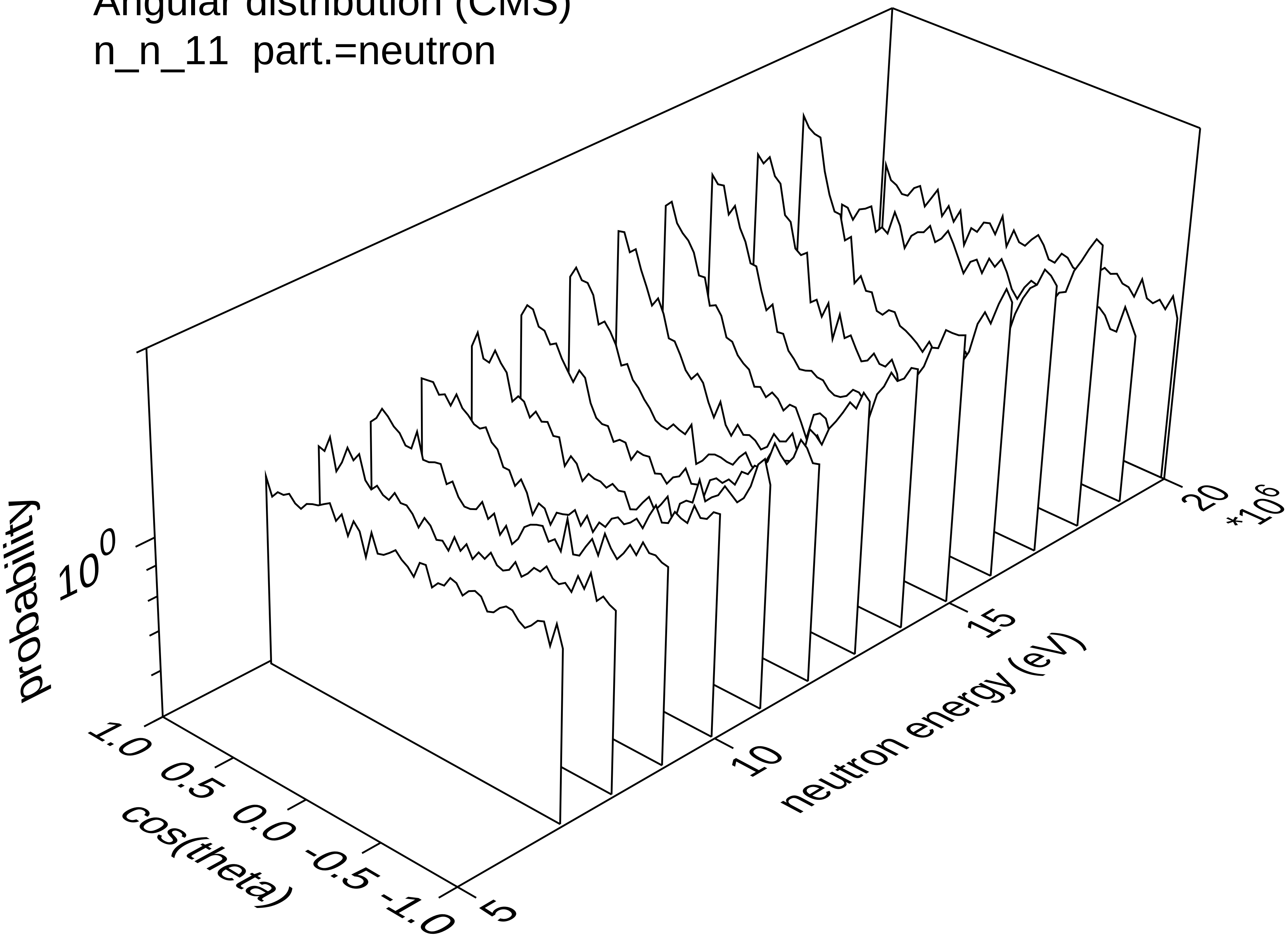
Angular distribution (CMS)
n_n_10 part.=neutron



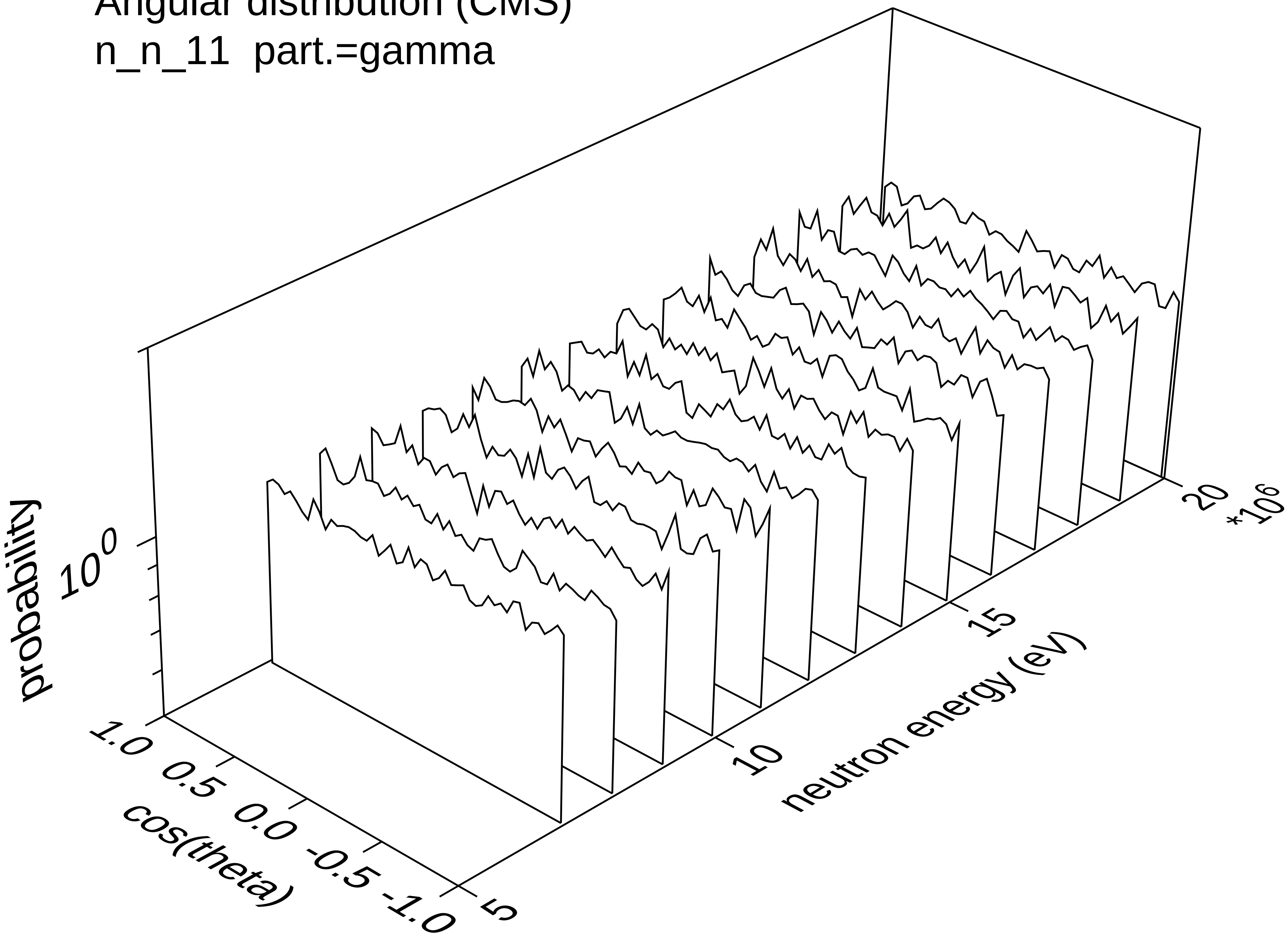
Angular distribution (CMS)
n_n_10 part.=gamma



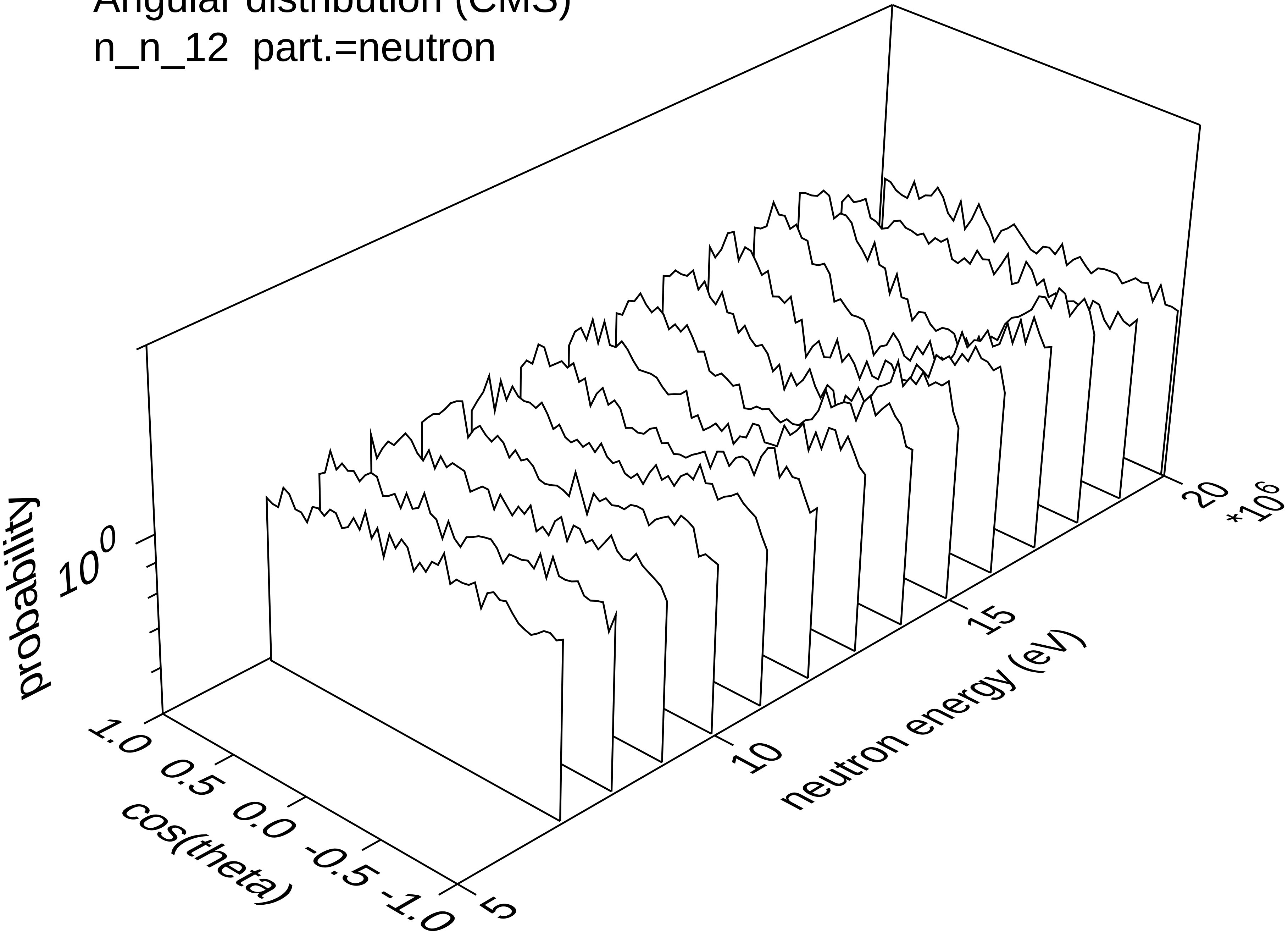
Angular distribution (CMS)
n_n_11 part.=neutron



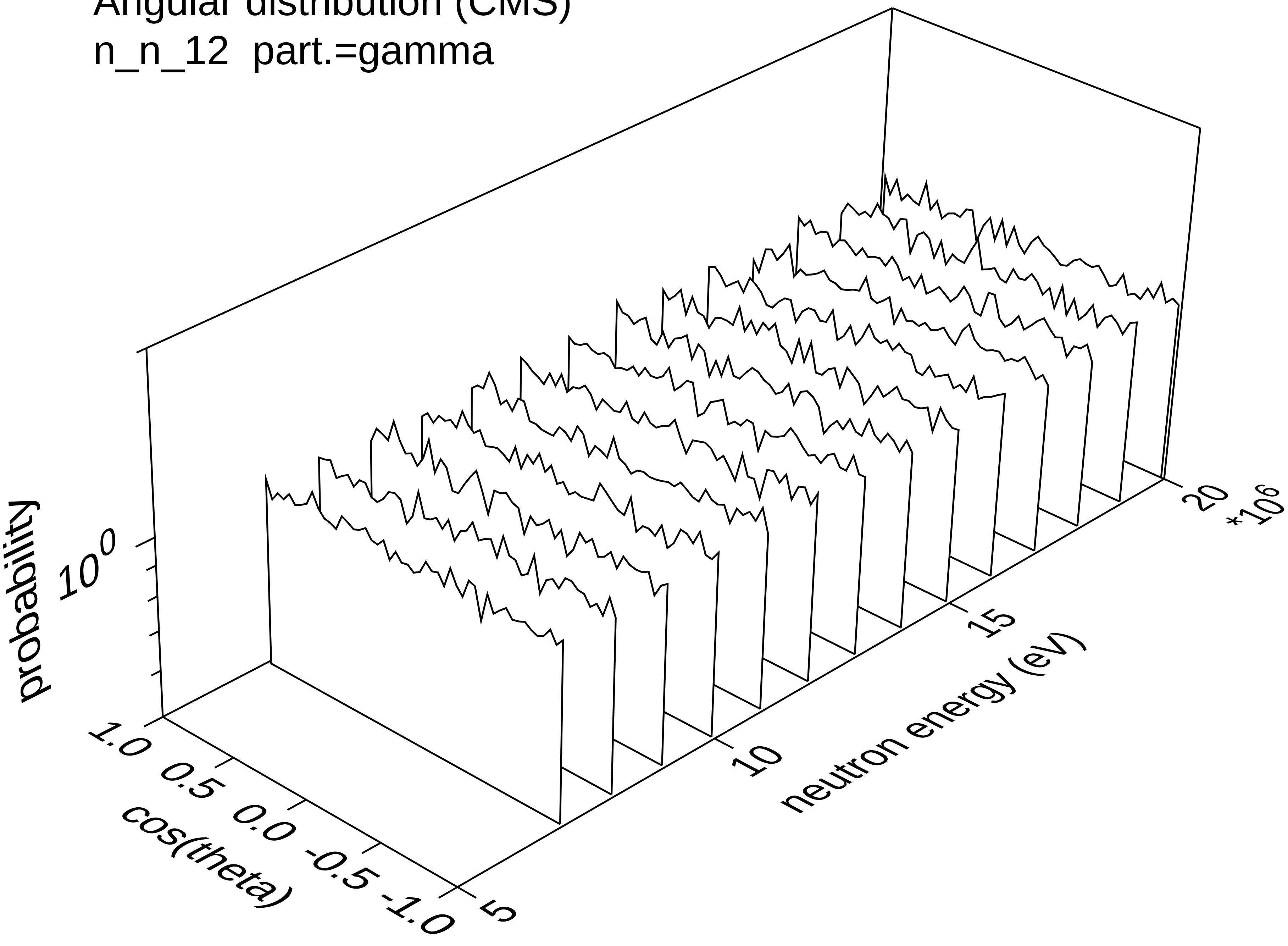
Angular distribution (CMS)
n_n_11 part.=gamma



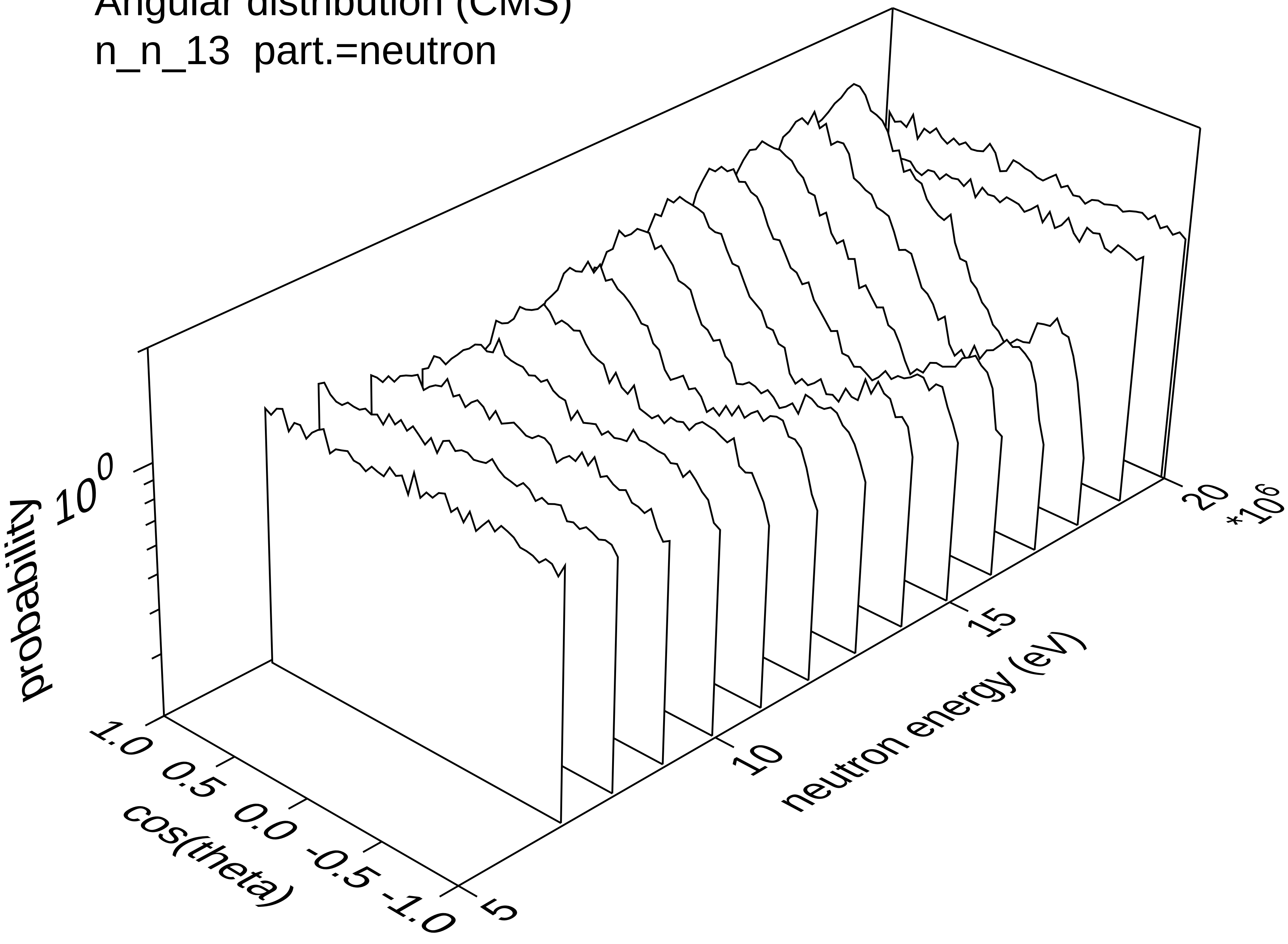
Angular distribution (CMS)
n_n_12 part.=neutron



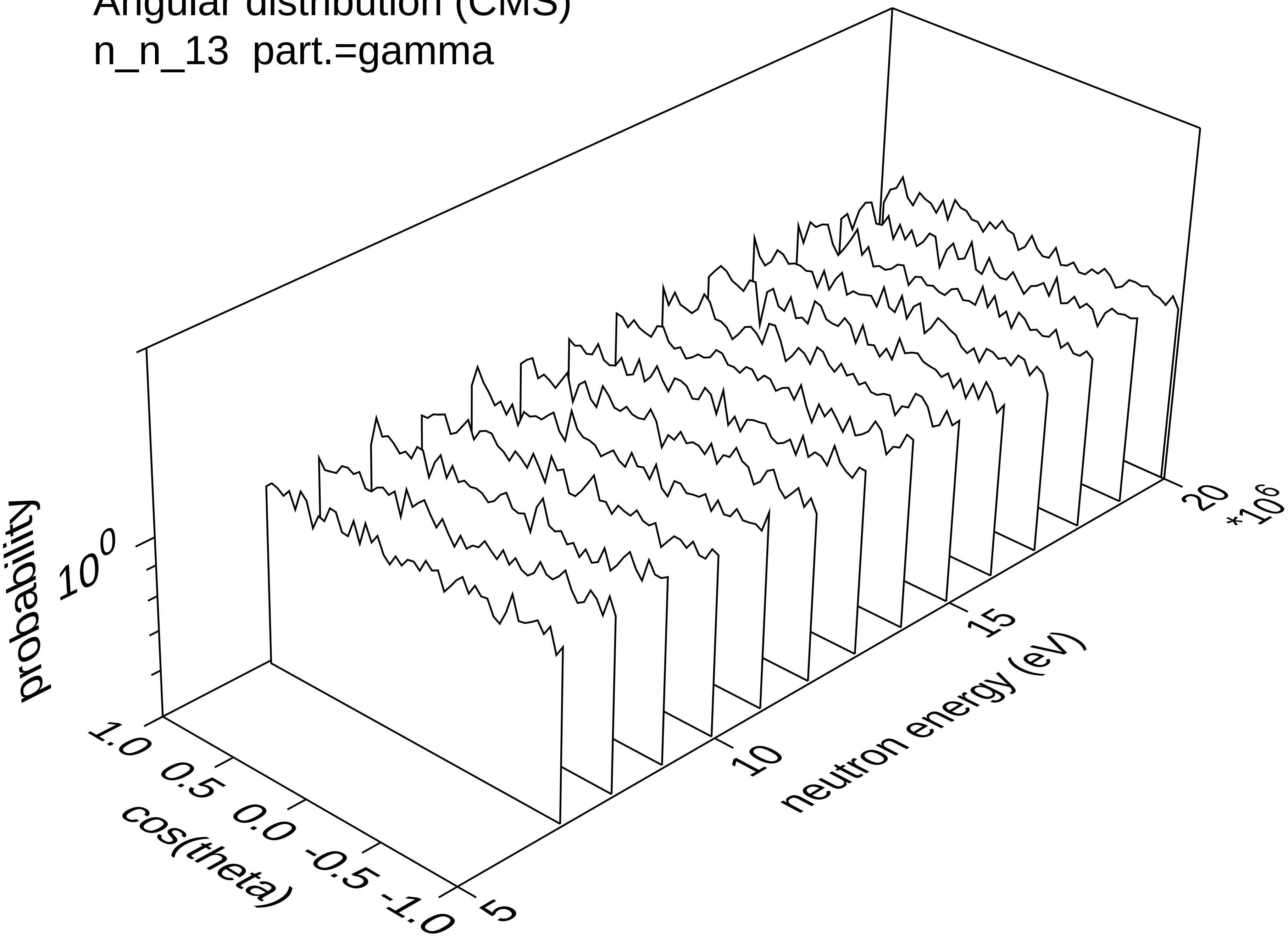
Angular distribution (CMS)
n_n_12 part.=gamma



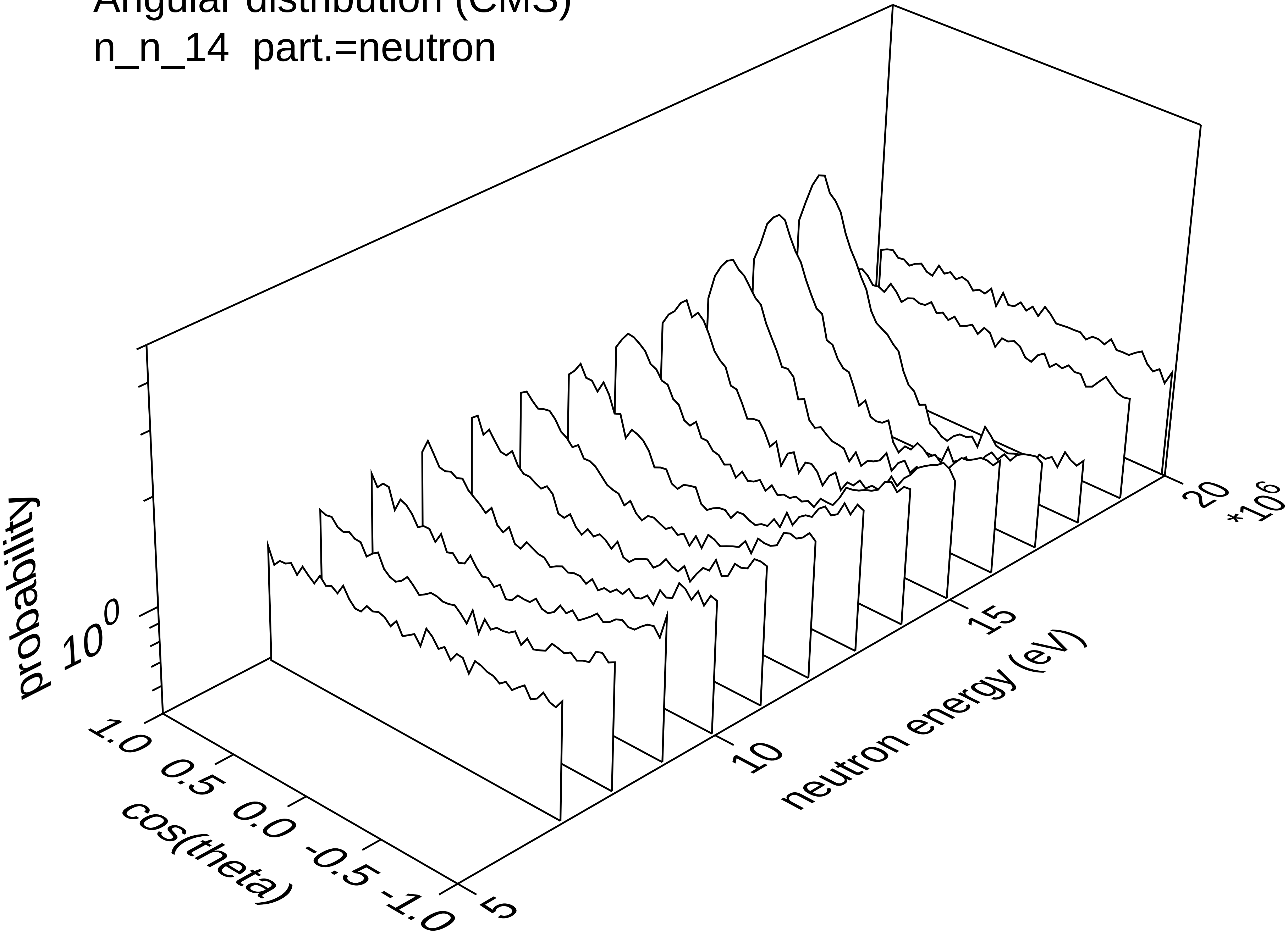
Angular distribution (CMS)
n_n_13 part.=neutron



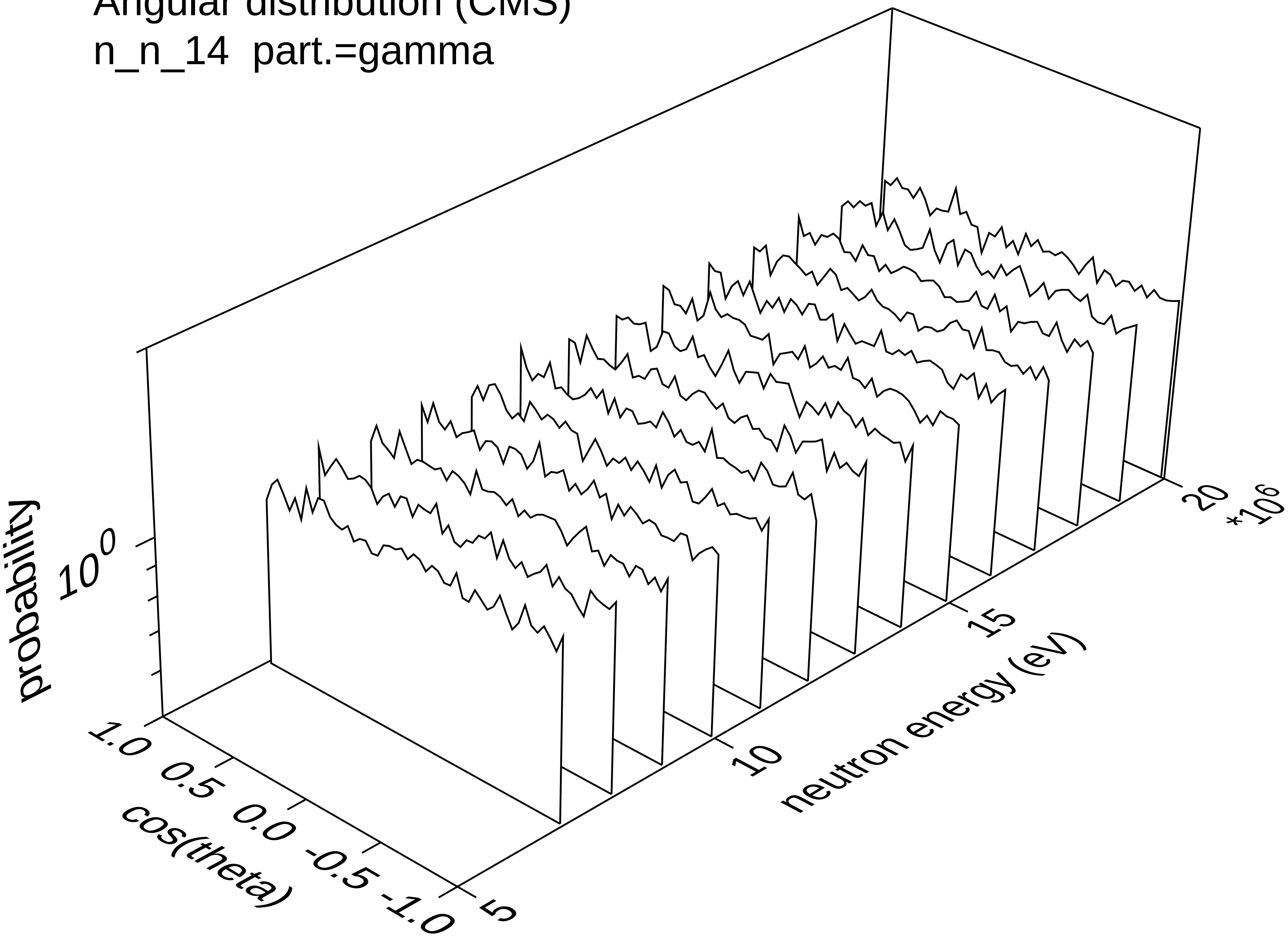
Angular distribution (CMS)
n_n_13 part.=gamma



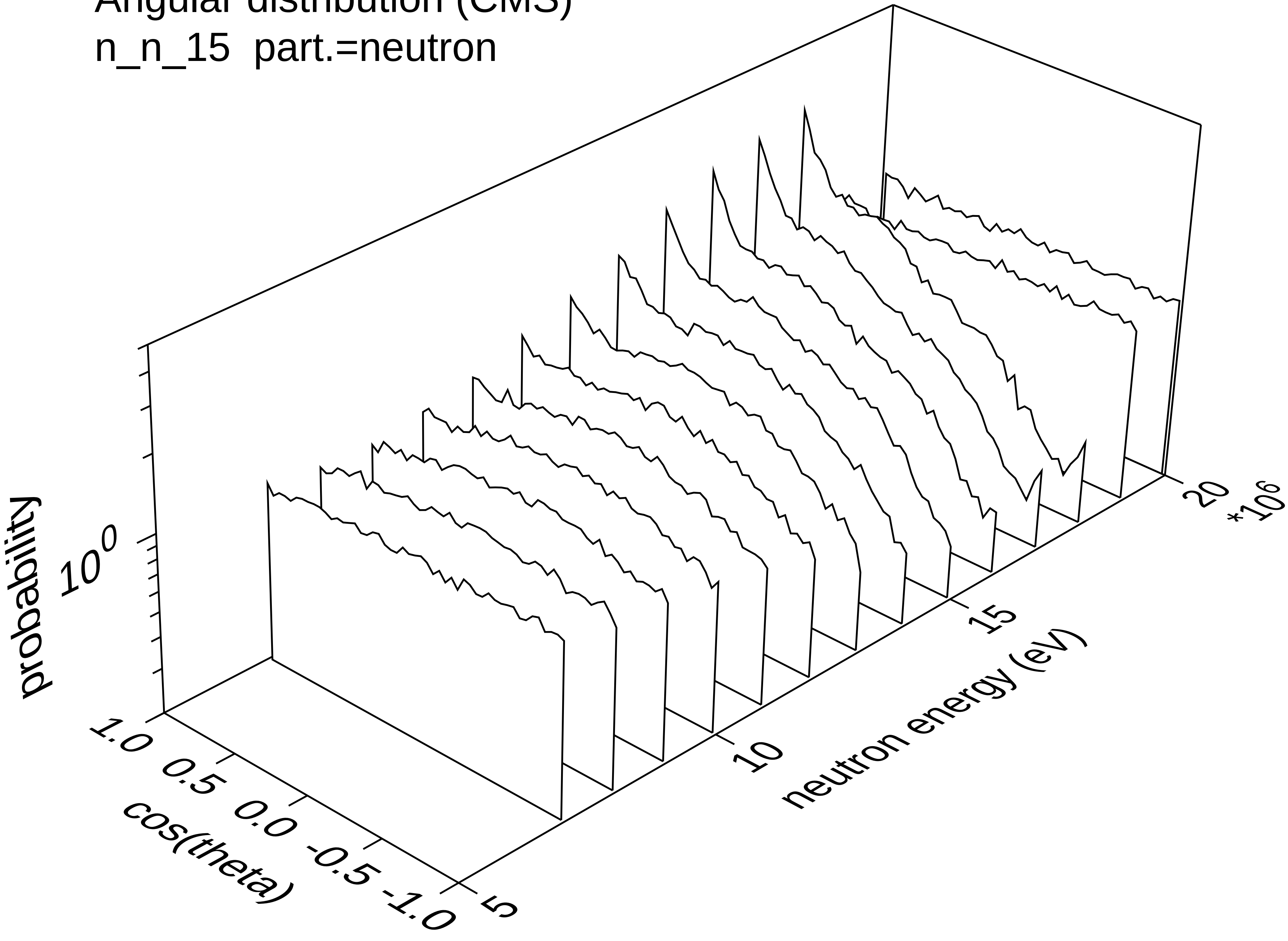
Angular distribution (CMS)
n_n_14 part.=neutron



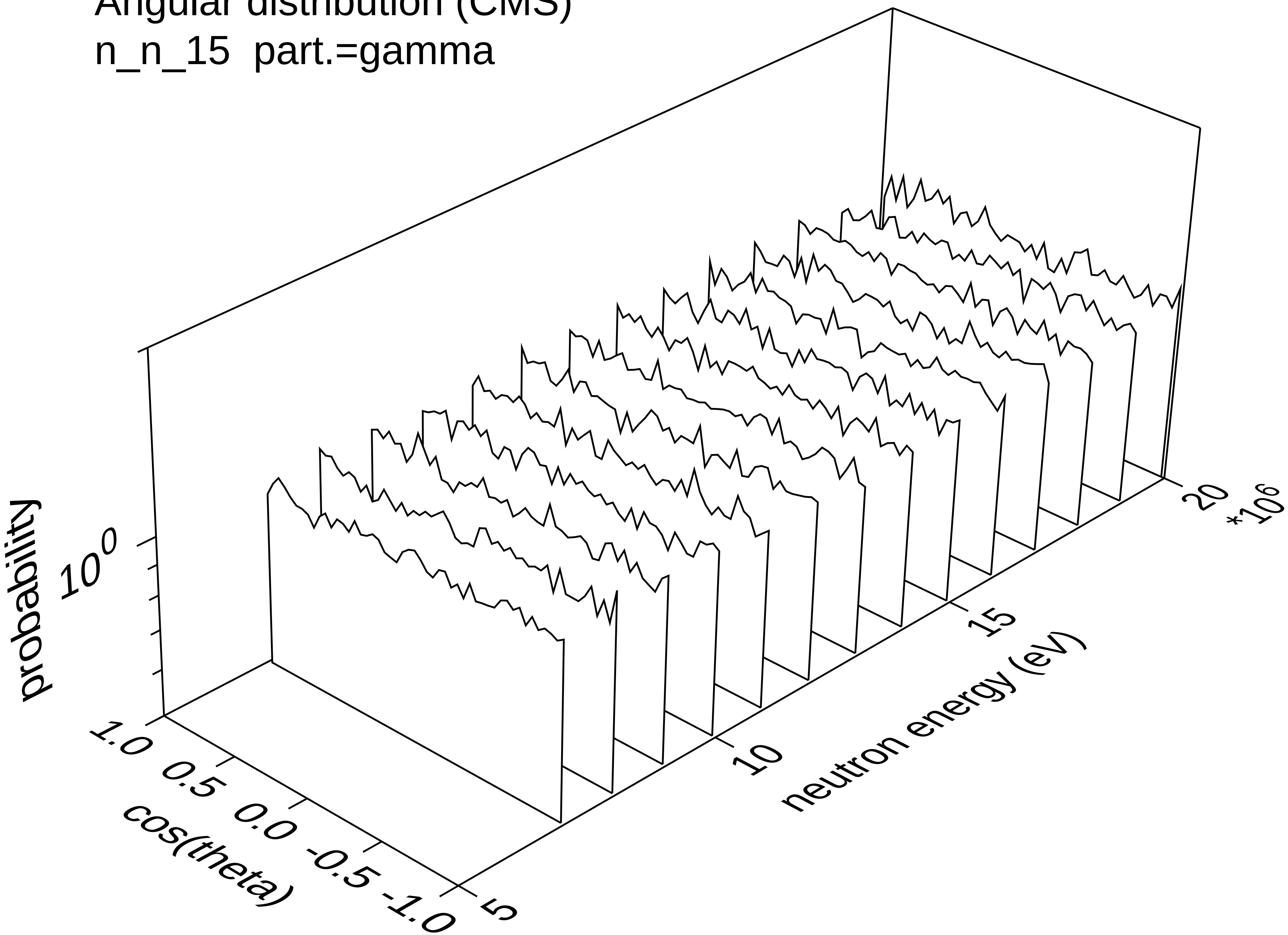
Angular distribution (CMS)
n_n_14 part.=gamma



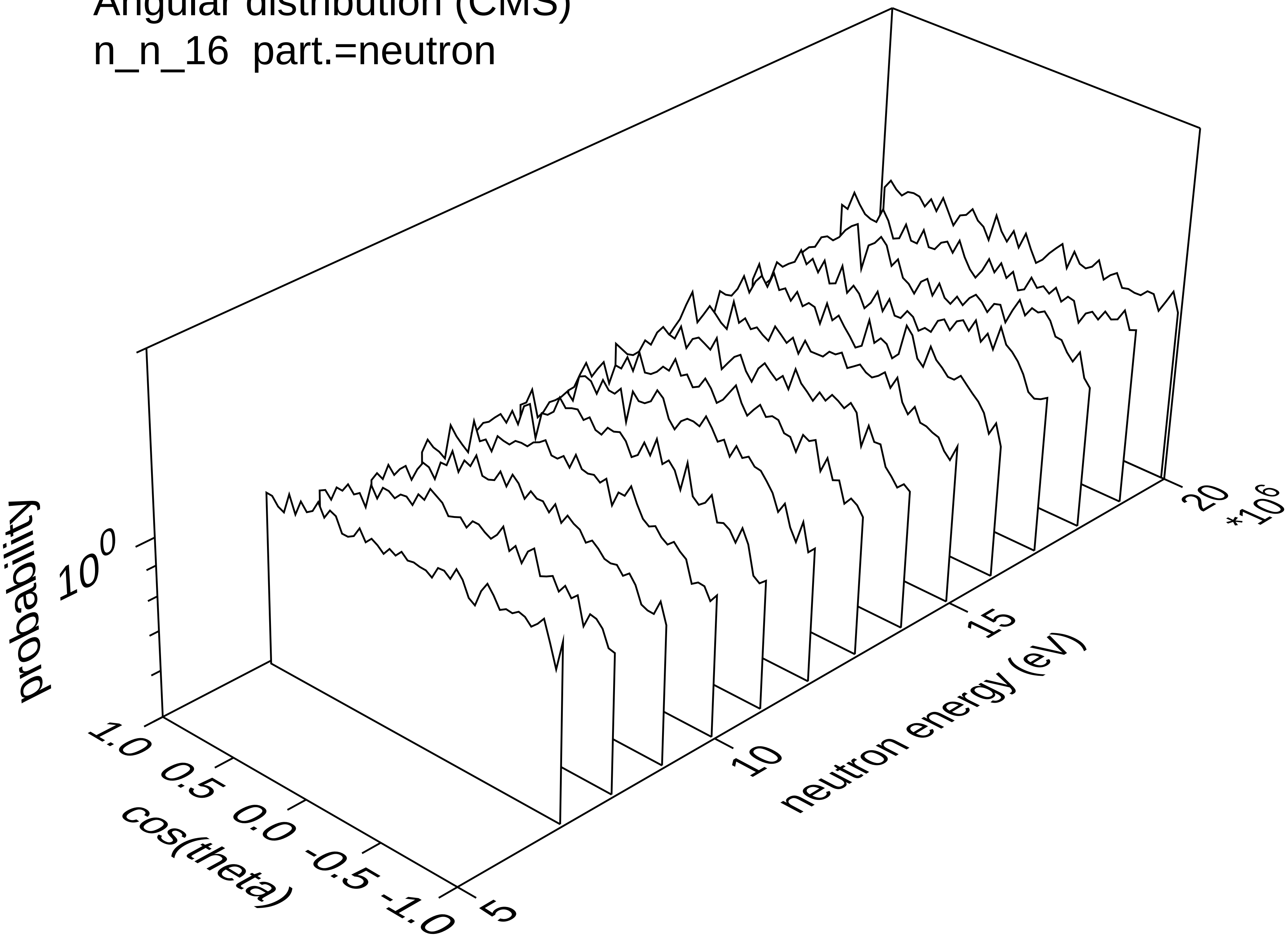
Angular distribution (CMS)
n_n_15 part.=neutron



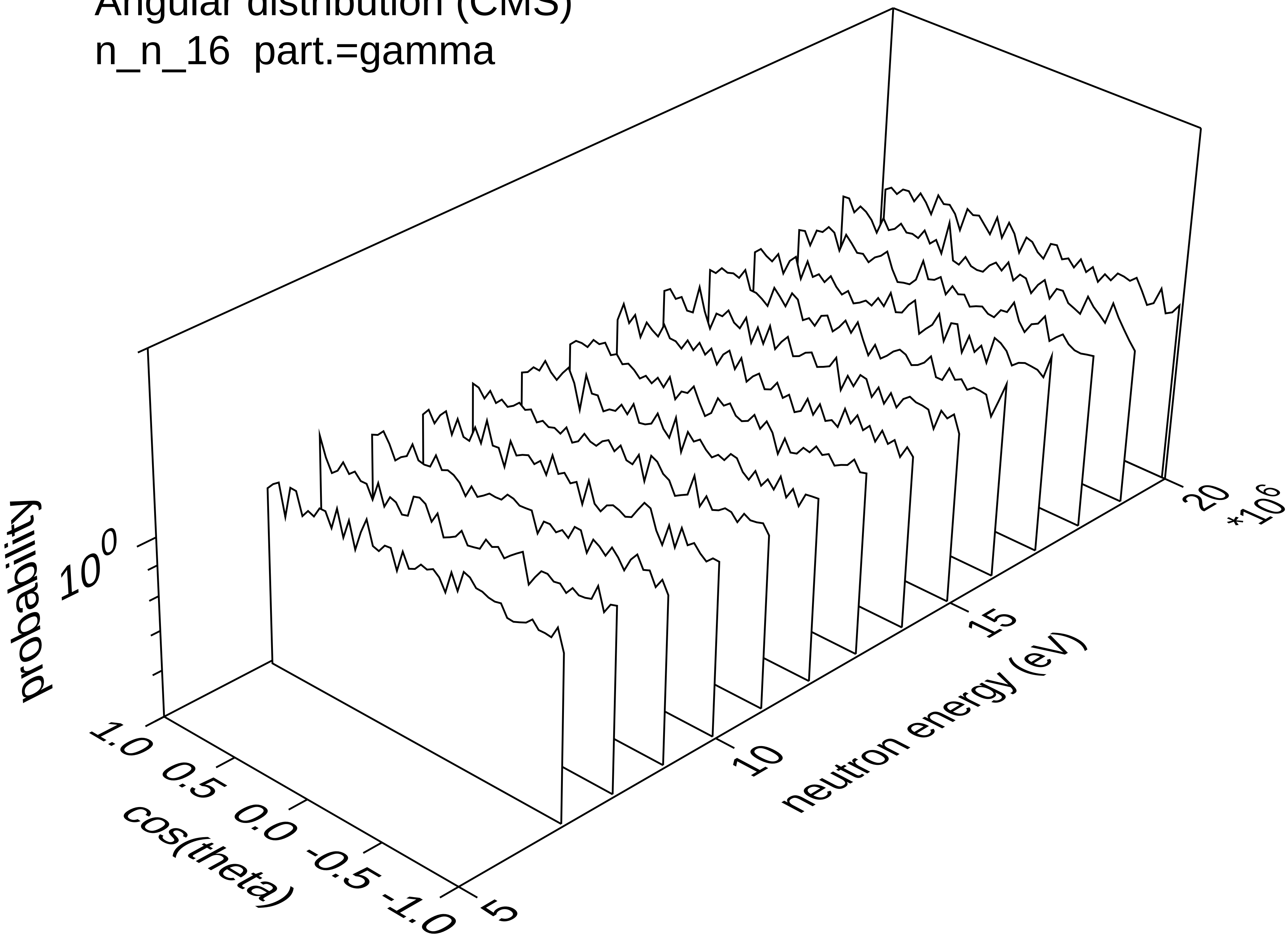
Angular distribution (CMS)
n_n_15 part.=gamma



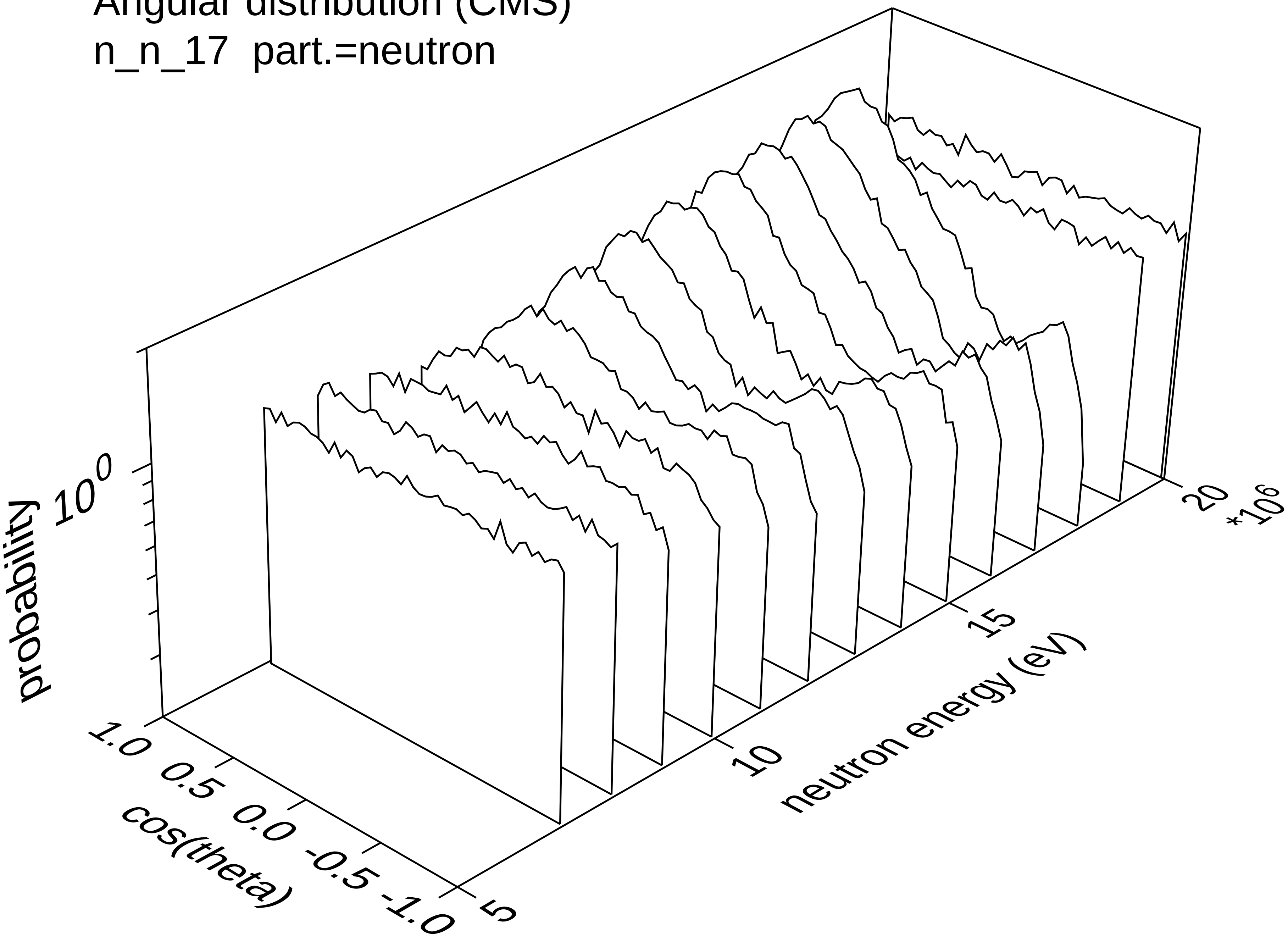
Angular distribution (CMS)
n_n_16 part.=neutron



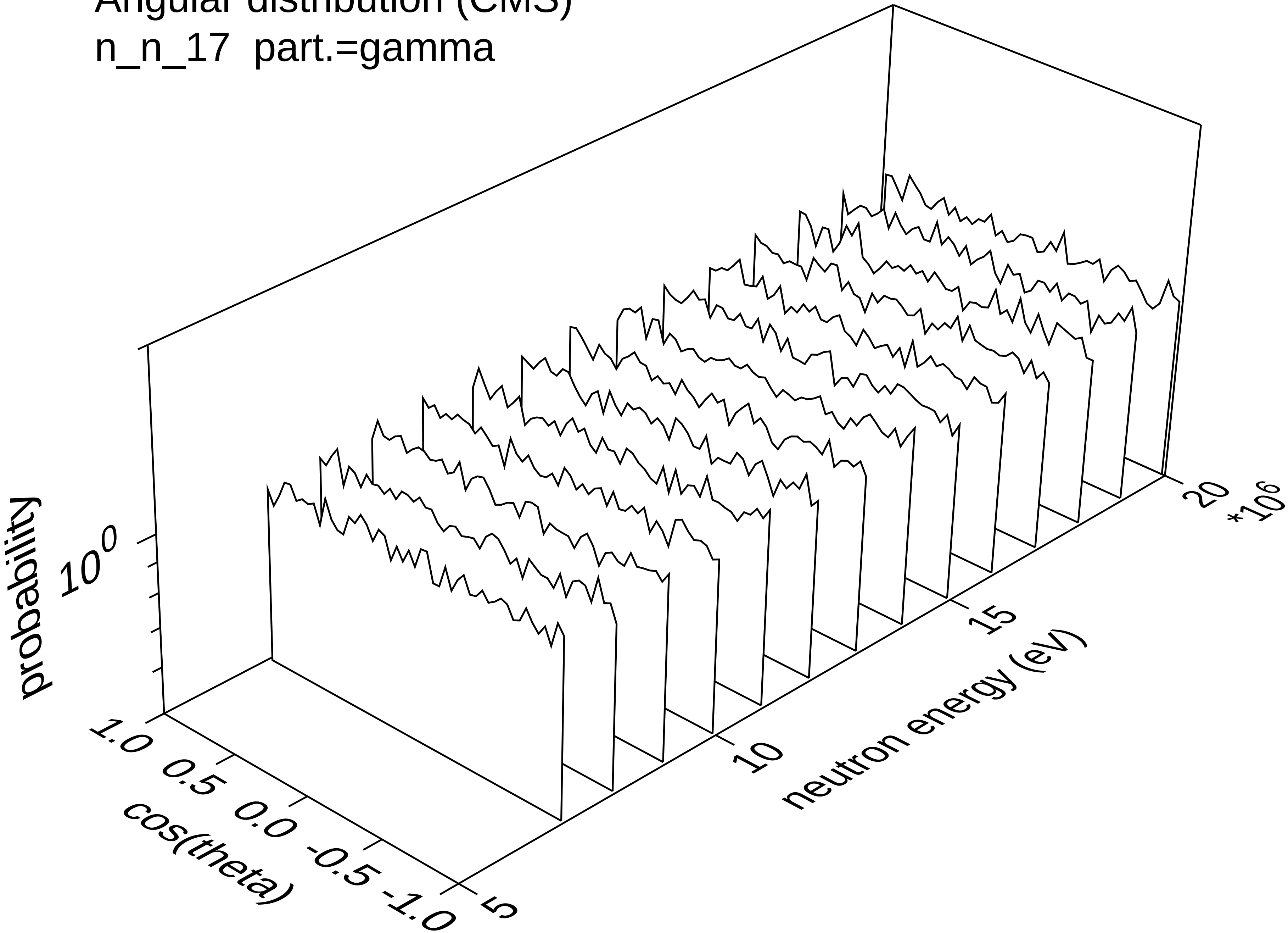
Angular distribution (CMS)
n_n_16 part.=gamma



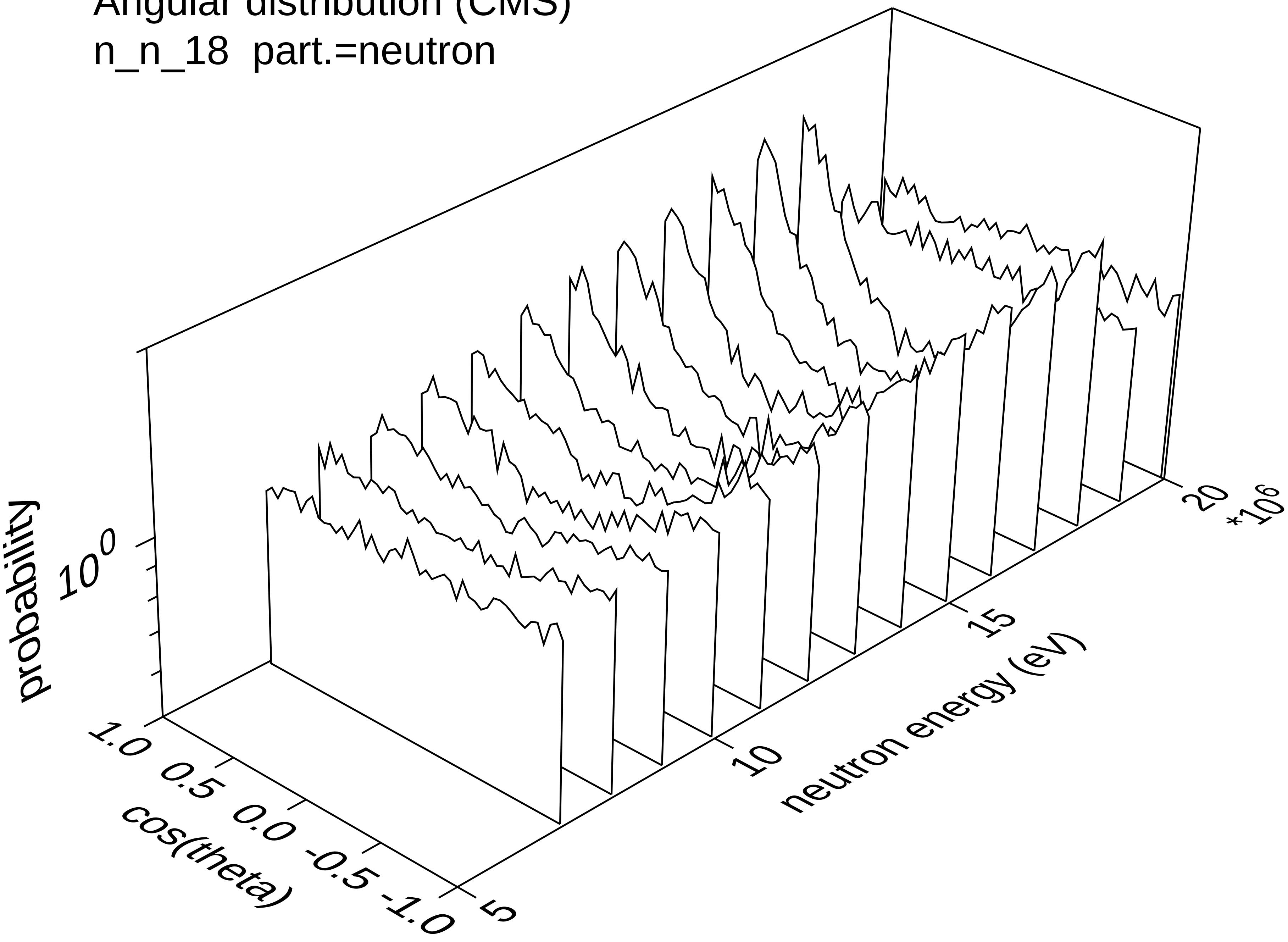
Angular distribution (CMS)
n_n_17 part.=neutron



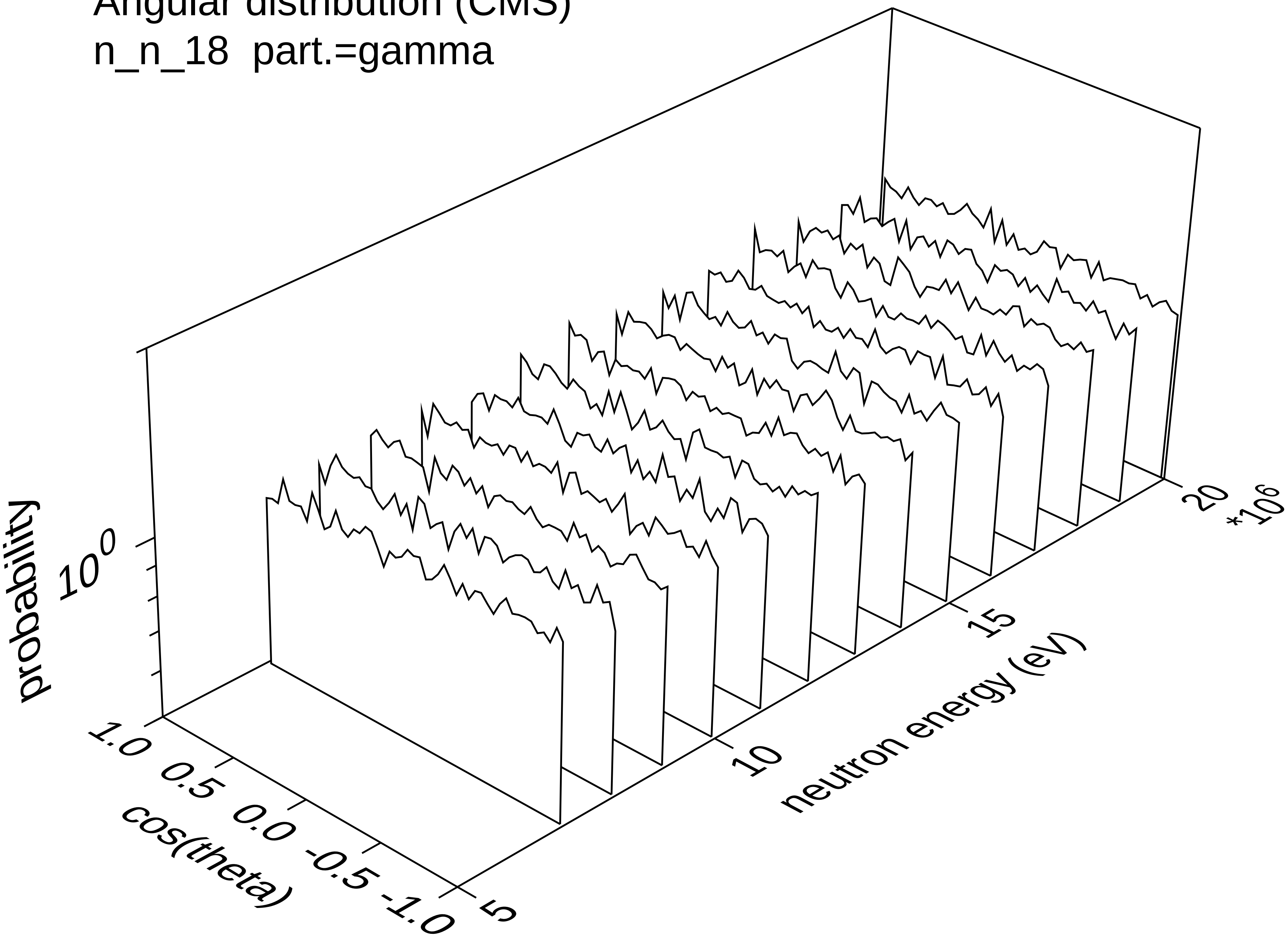
Angular distribution (CMS)
n_n_17 part.=gamma



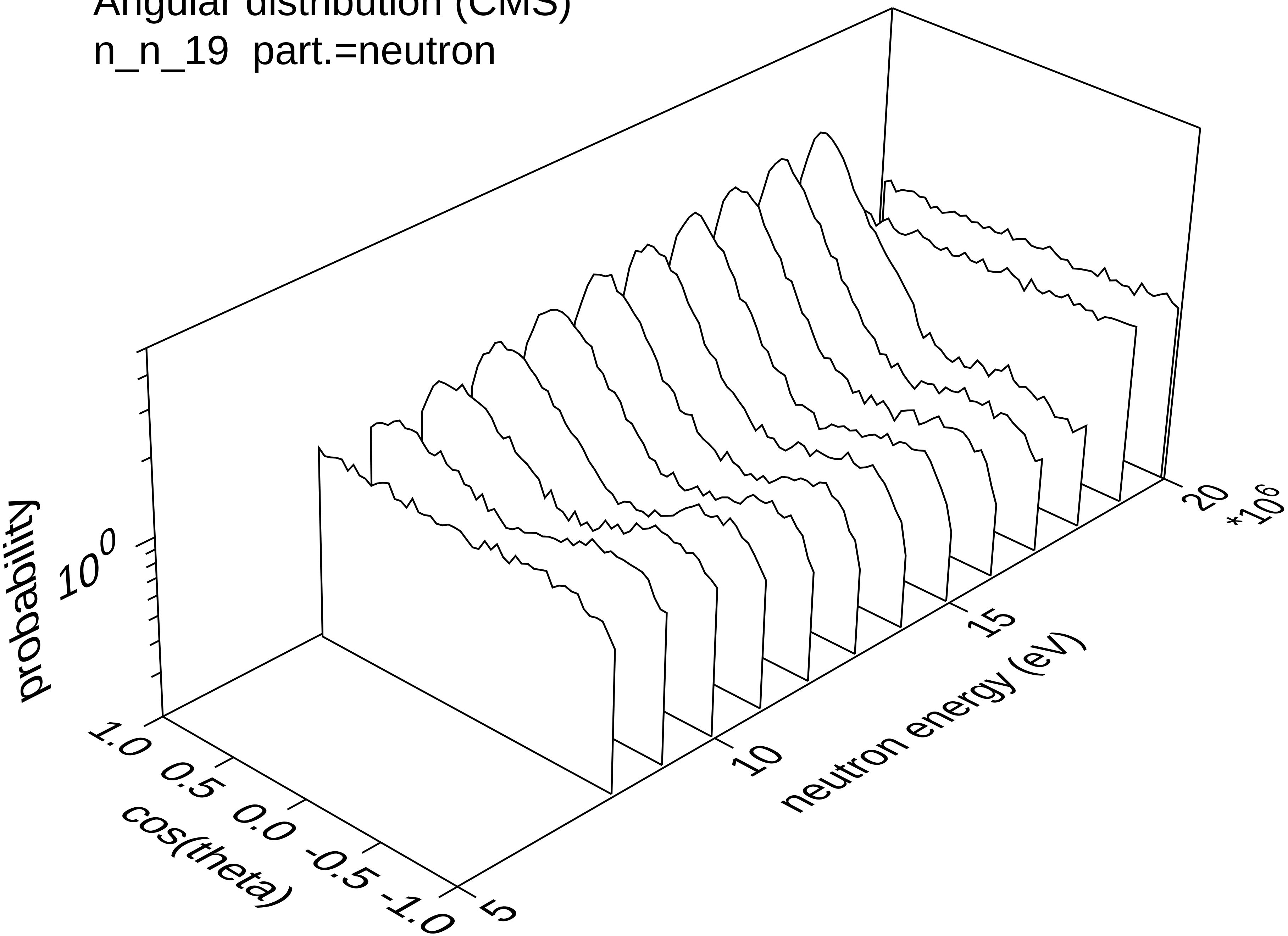
Angular distribution (CMS)
n_n_18 part.=neutron



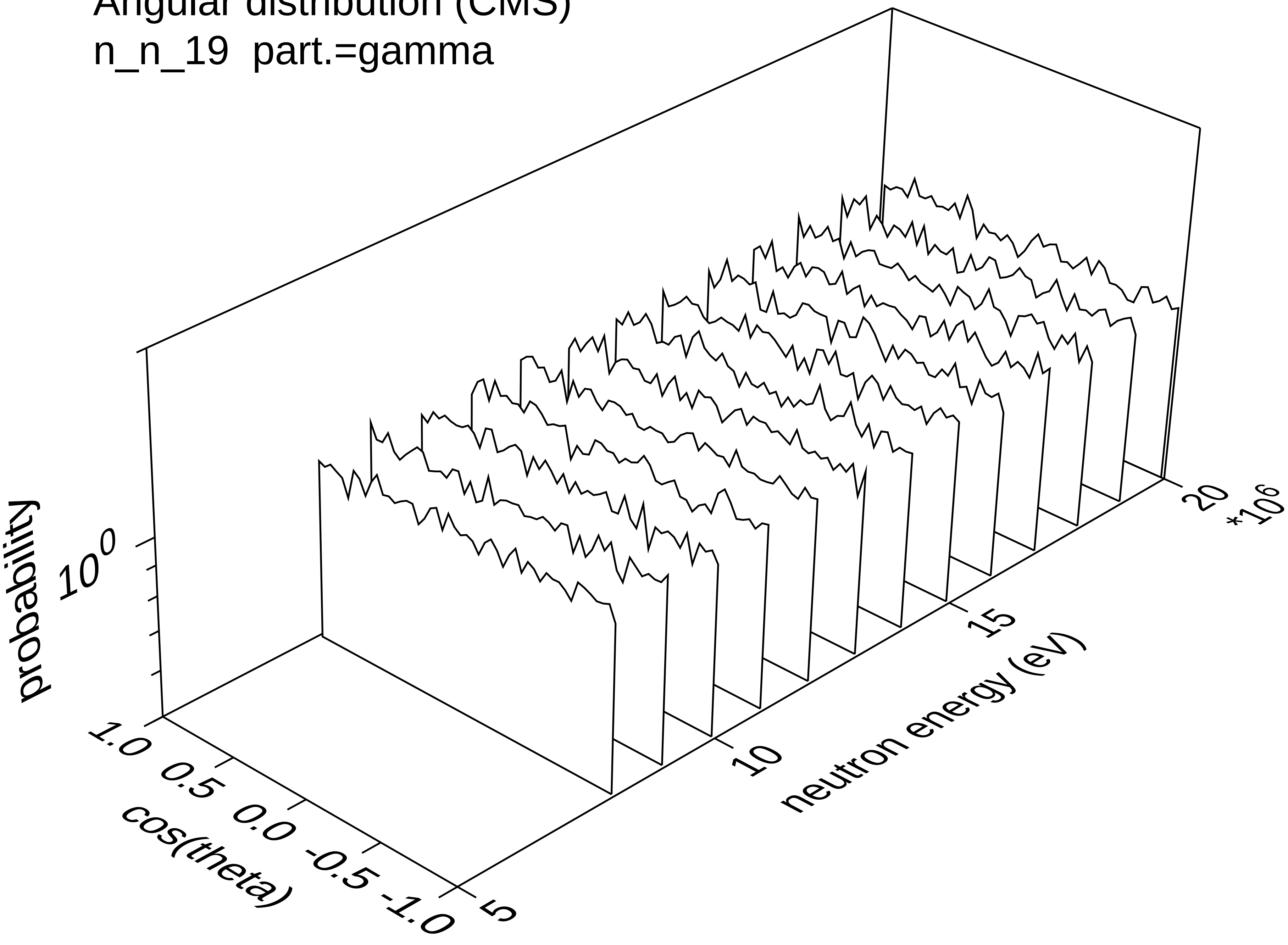
Angular distribution (CMS)
n_n_18 part.=gamma



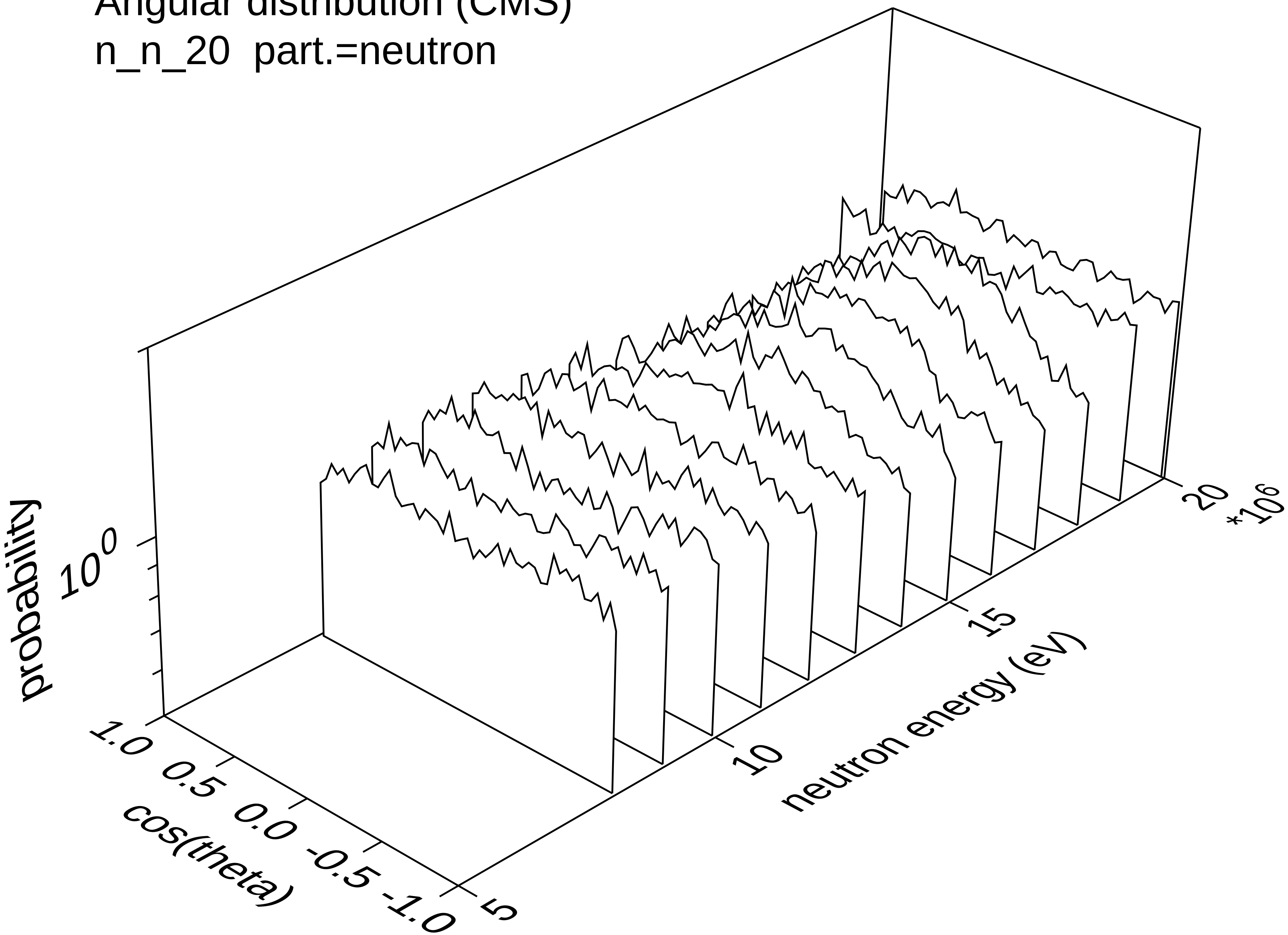
Angular distribution (CMS)
n_n_19 part.=neutron



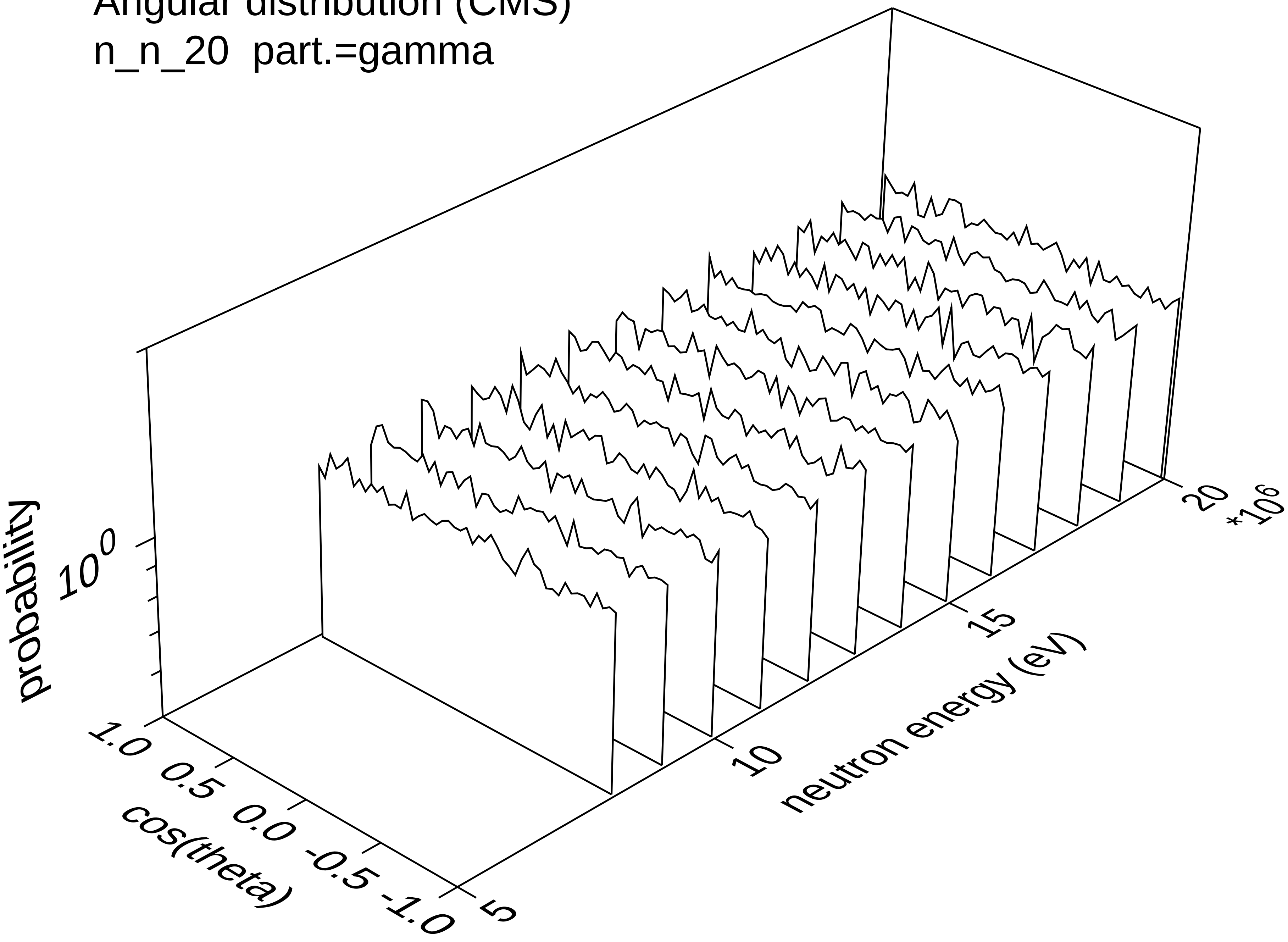
Angular distribution (CMS)
n_n_19 part.=gamma



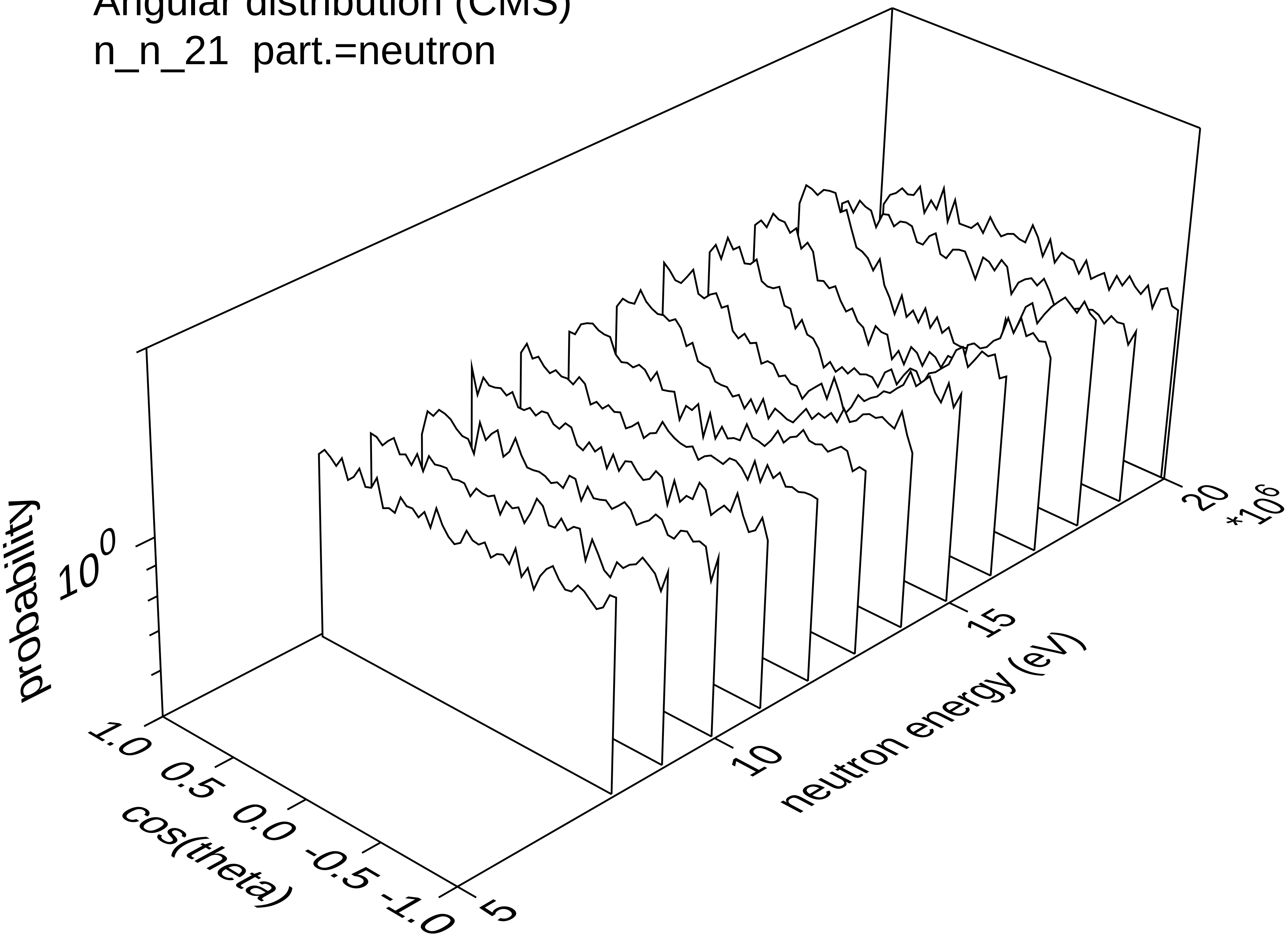
Angular distribution (CMS)
n_n_20 part.=neutron



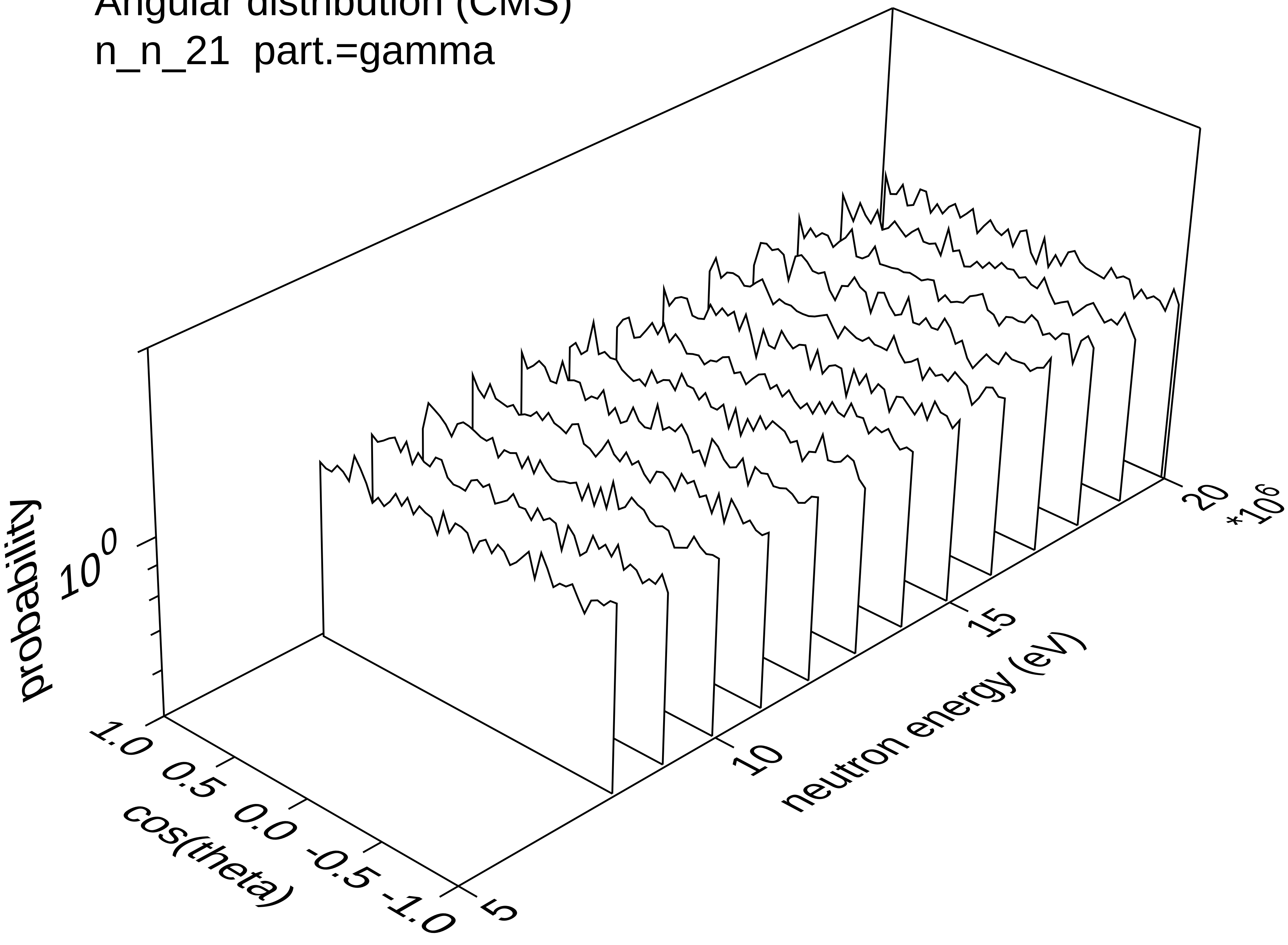
Angular distribution (CMS)
n_n_20 part.=gamma



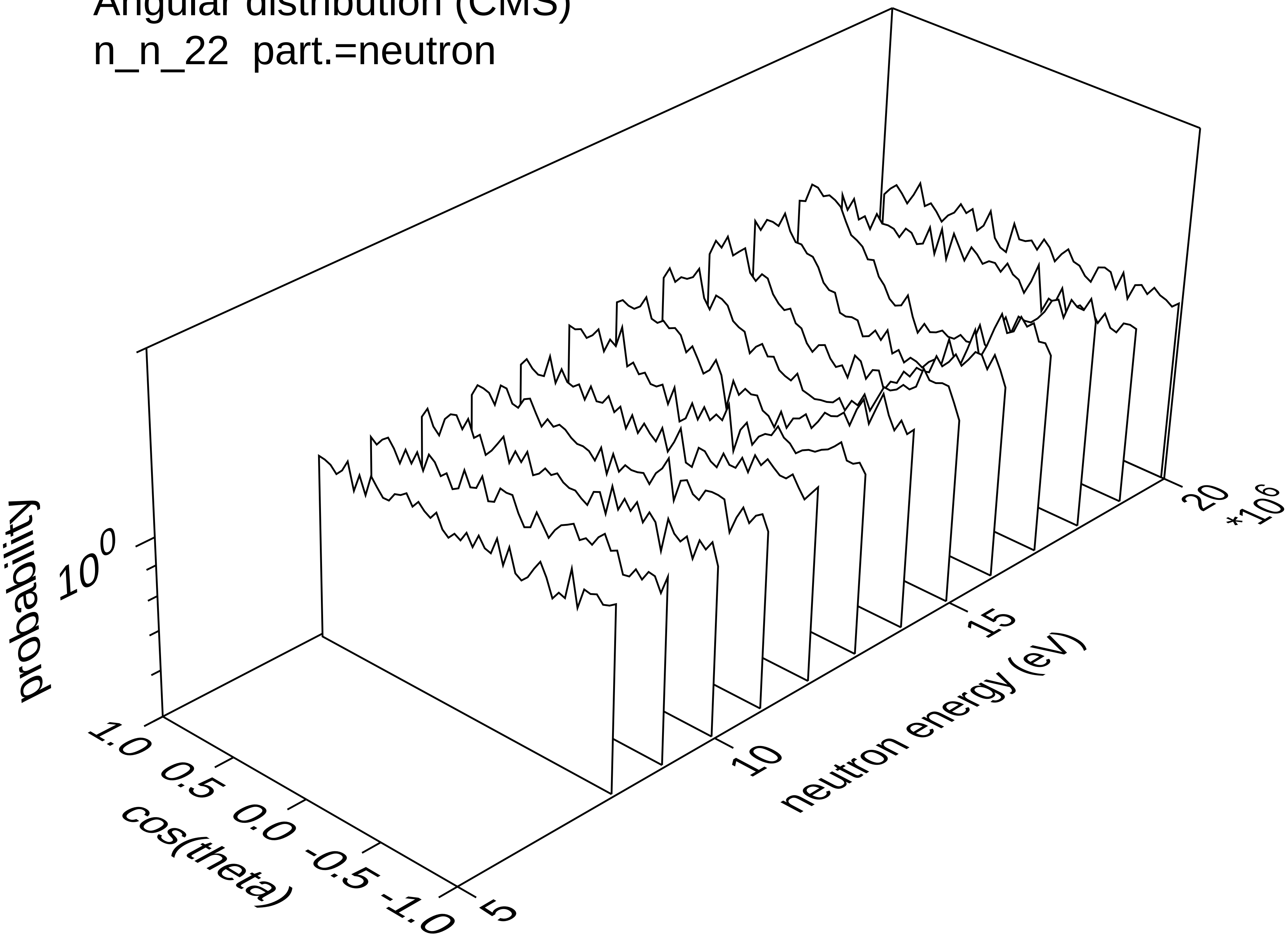
Angular distribution (CMS)
n_n_21 part.=neutron



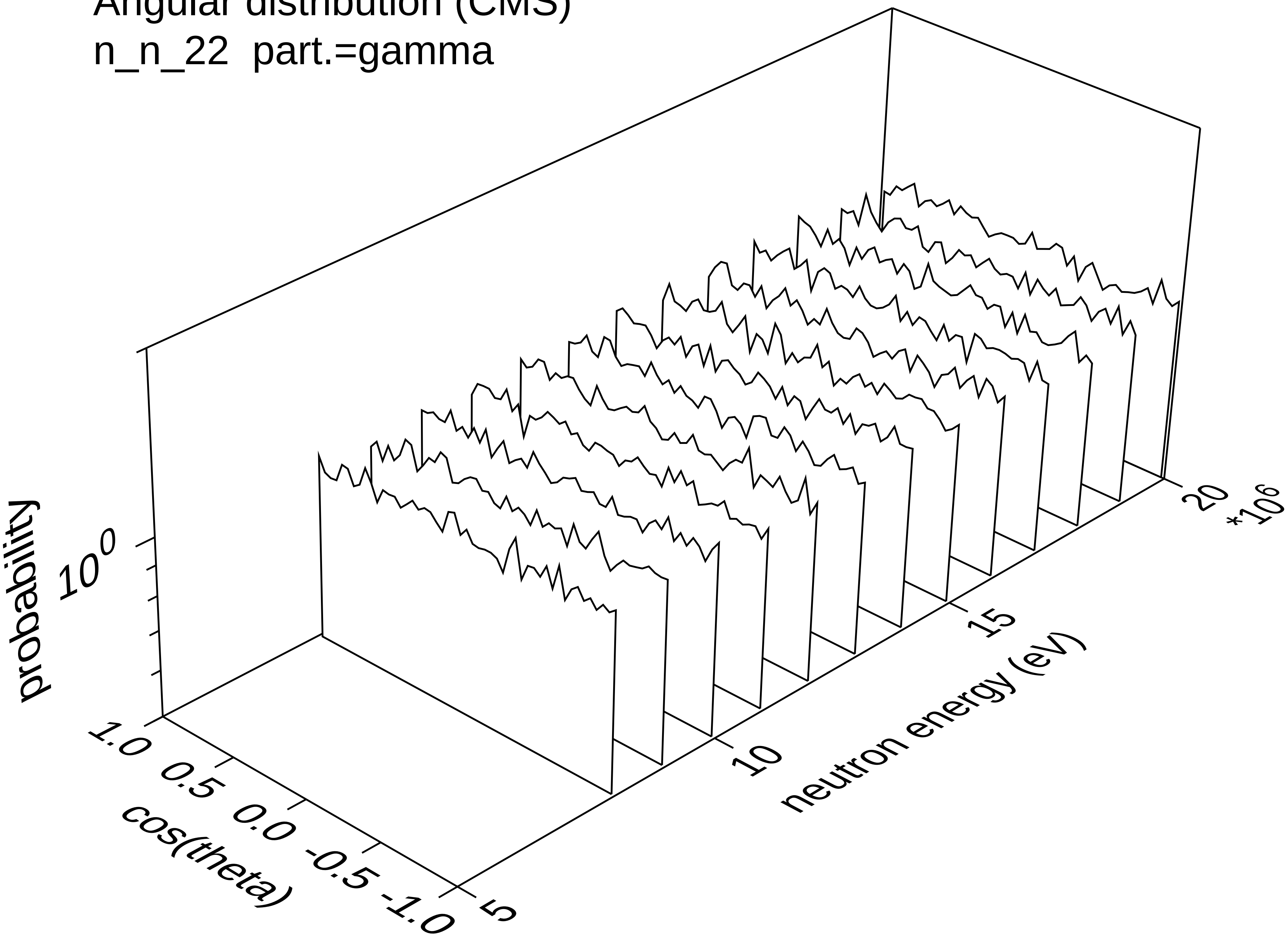
Angular distribution (CMS)
n_n_21 part.=gamma

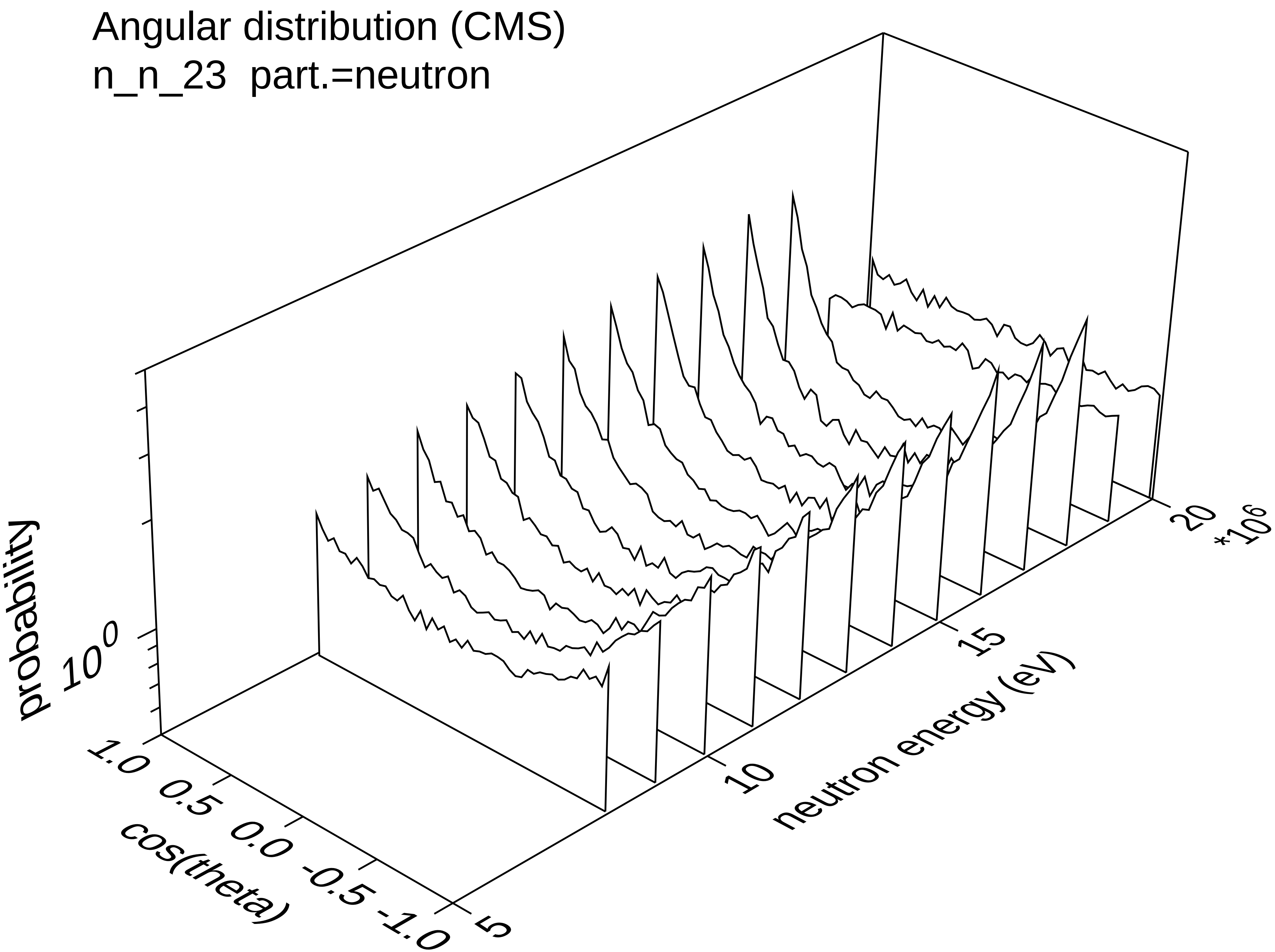


Angular distribution (CMS)
n_n_22 part.=neutron

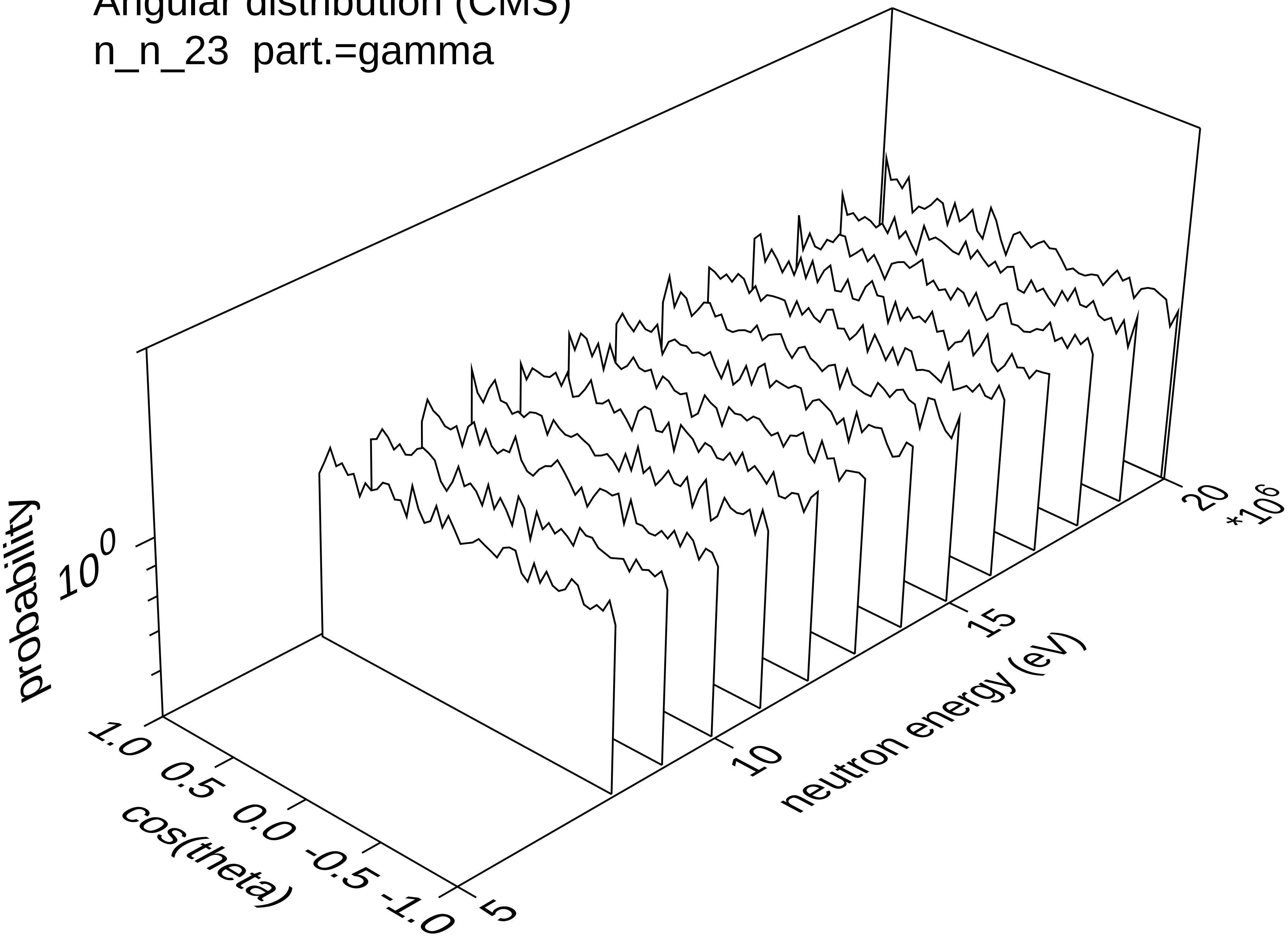


Angular distribution (CMS)
n_n_22 part.=gamma

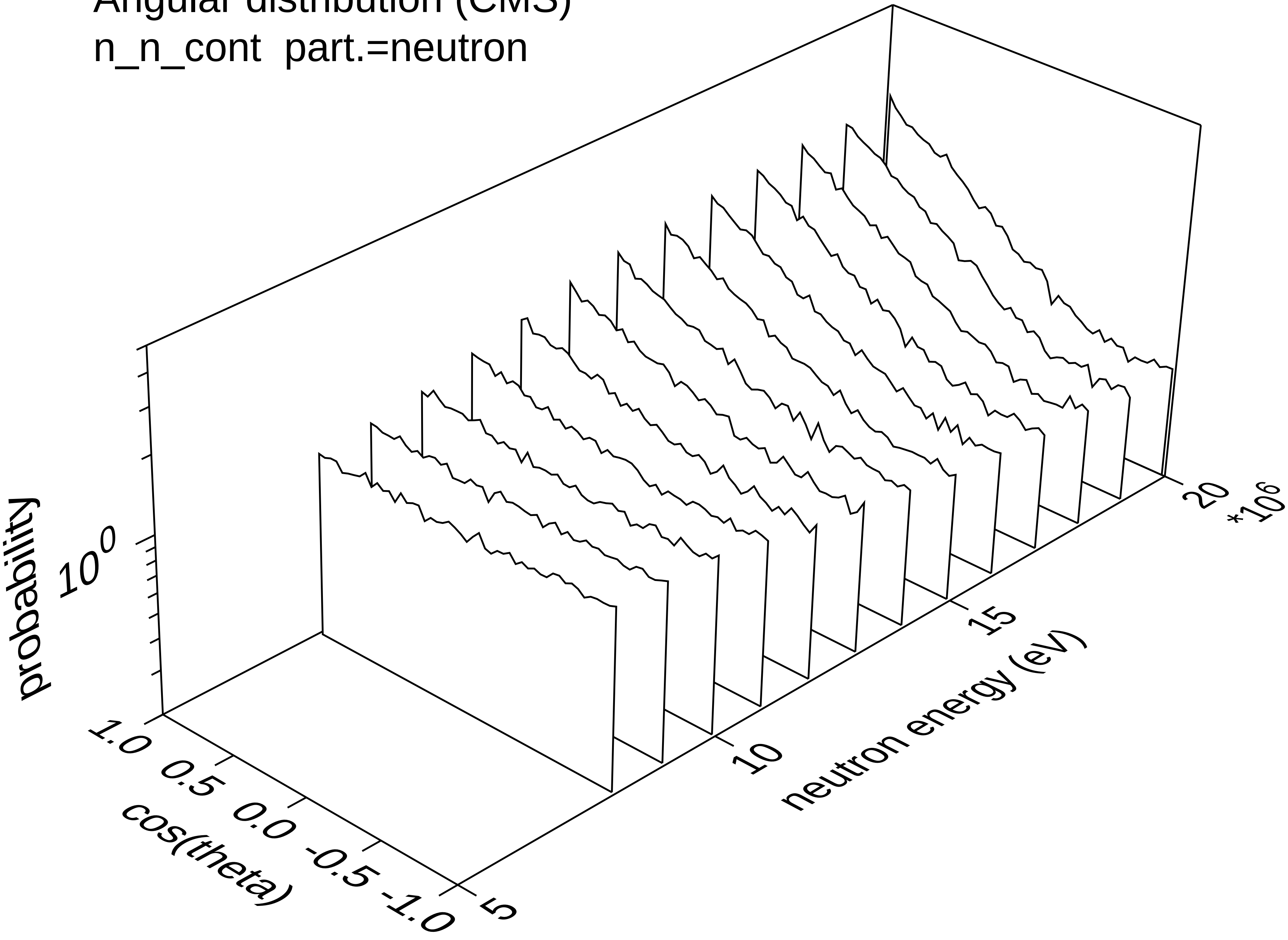



Angular distribution (CMS)
n_n_23 part.=neutron
probability
10^0
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
5
10
15
20
*10^6
neutron energy (eV)

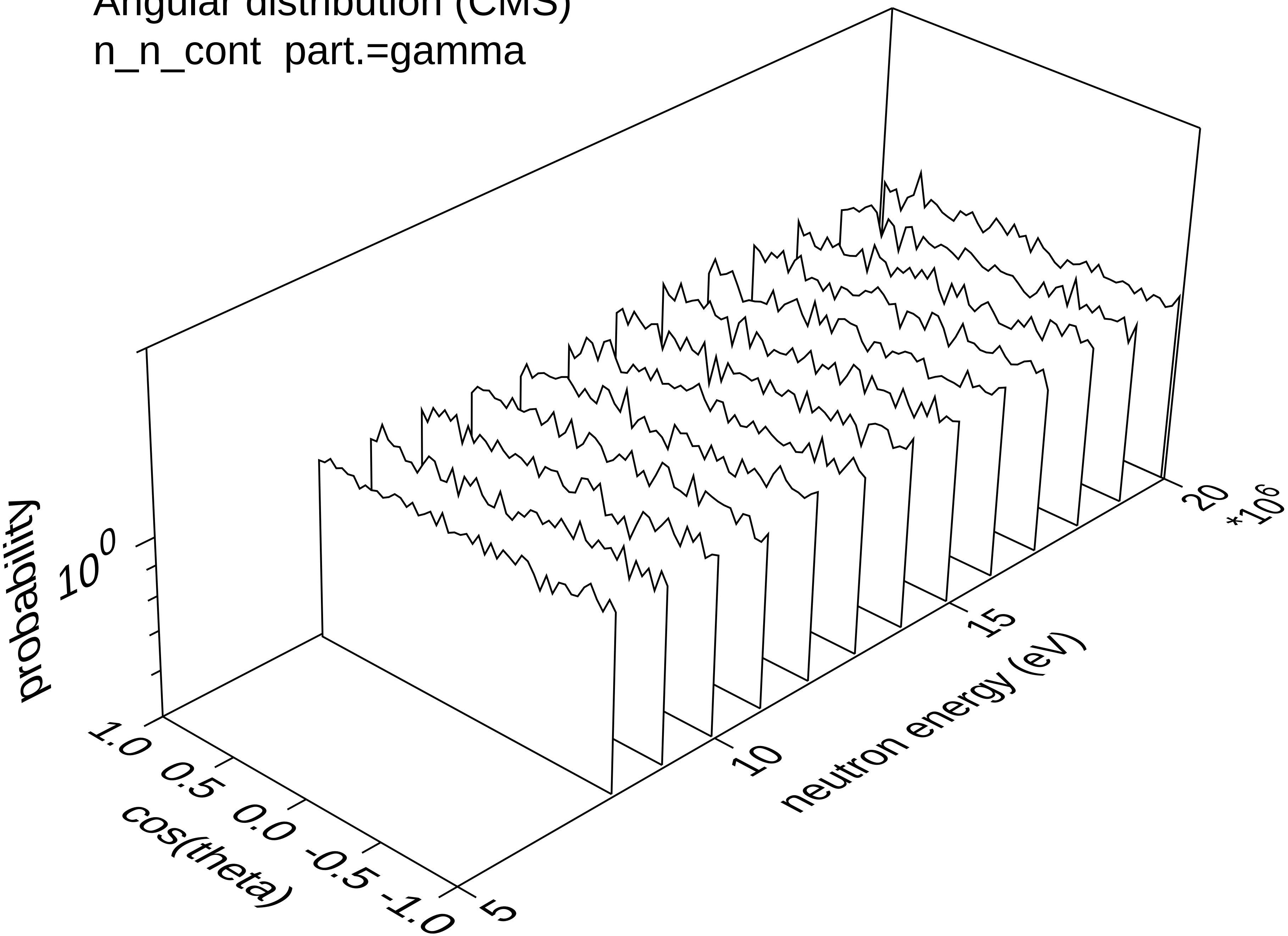
Angular distribution (CMS)
n_n_23 part.=gamma



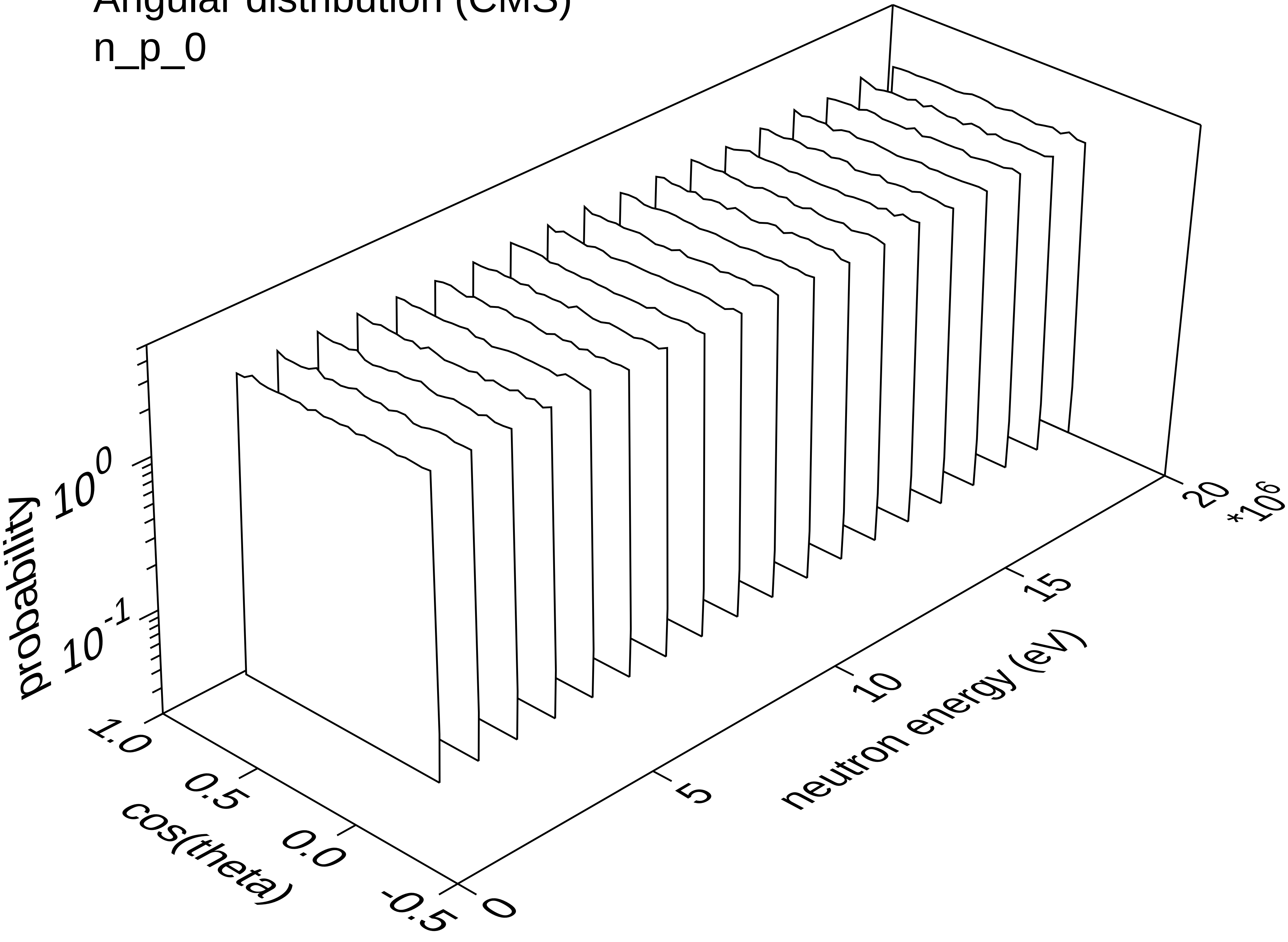
Angular distribution (CMS)
n_n_cont part.=neutron



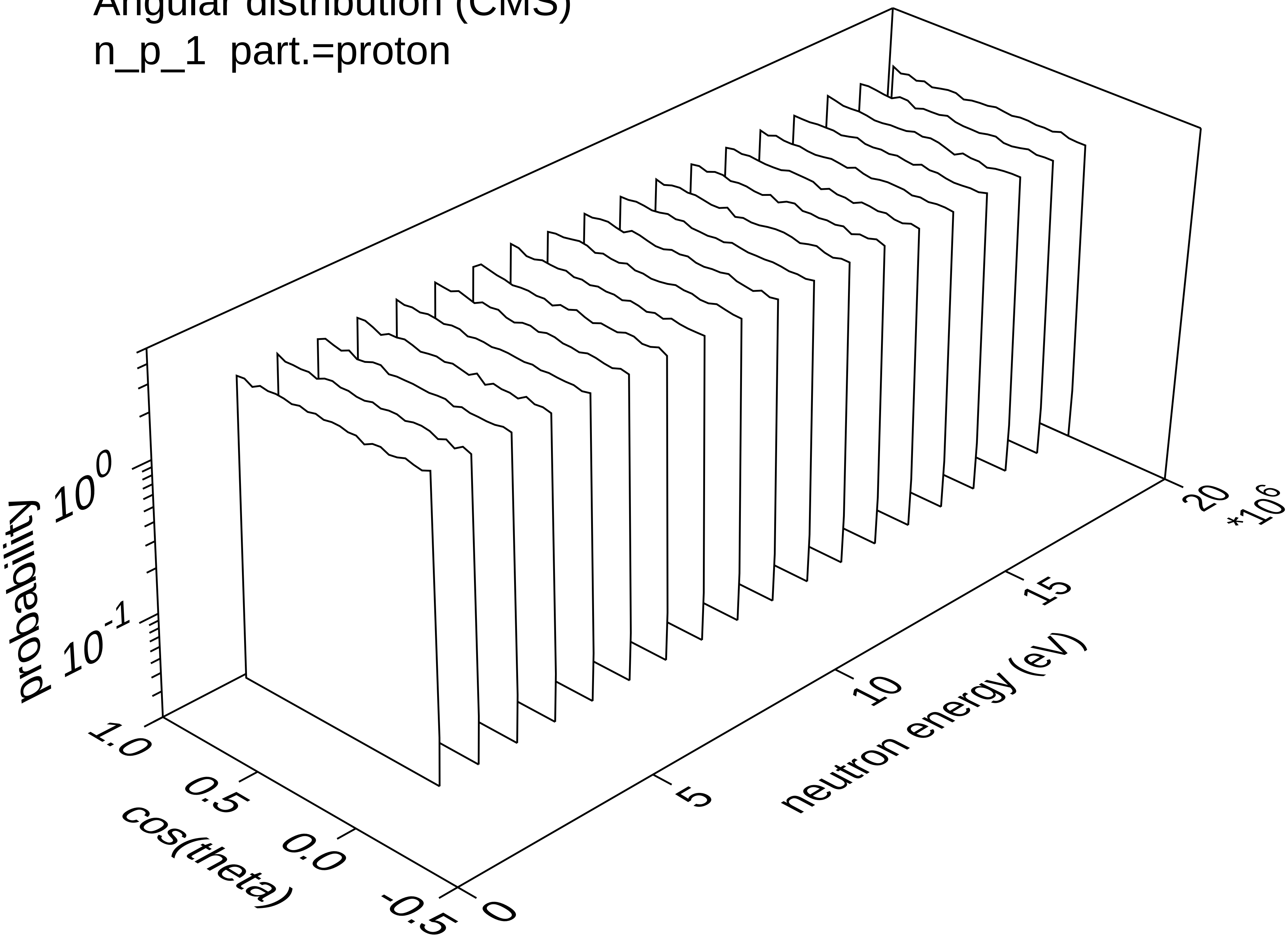
Angular distribution (CMS)
n_n_cont part.=gamma



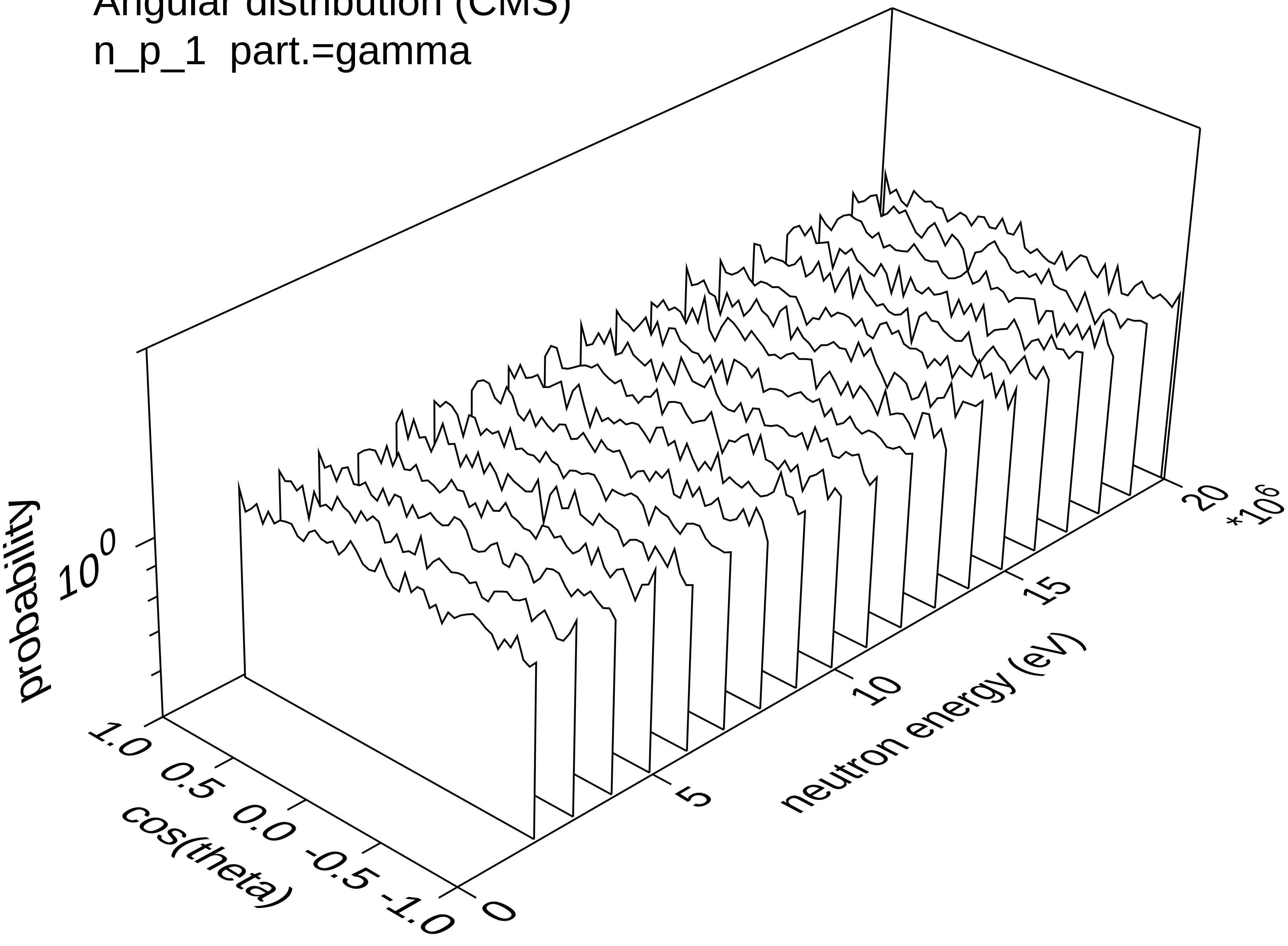
Angular distribution (CMS)
n_p_0



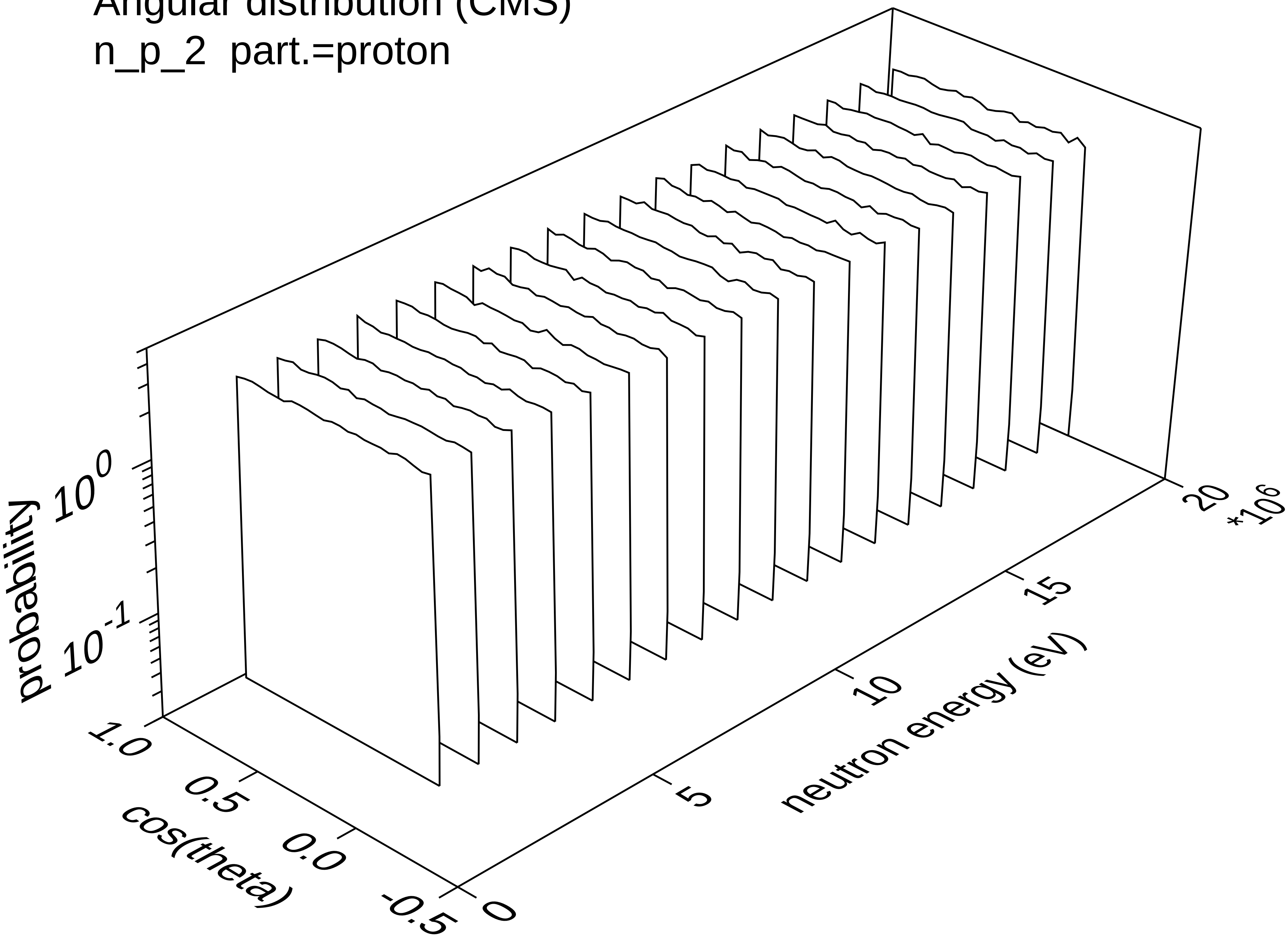
Angular distribution (CMS)
n_p_1 part.=proton

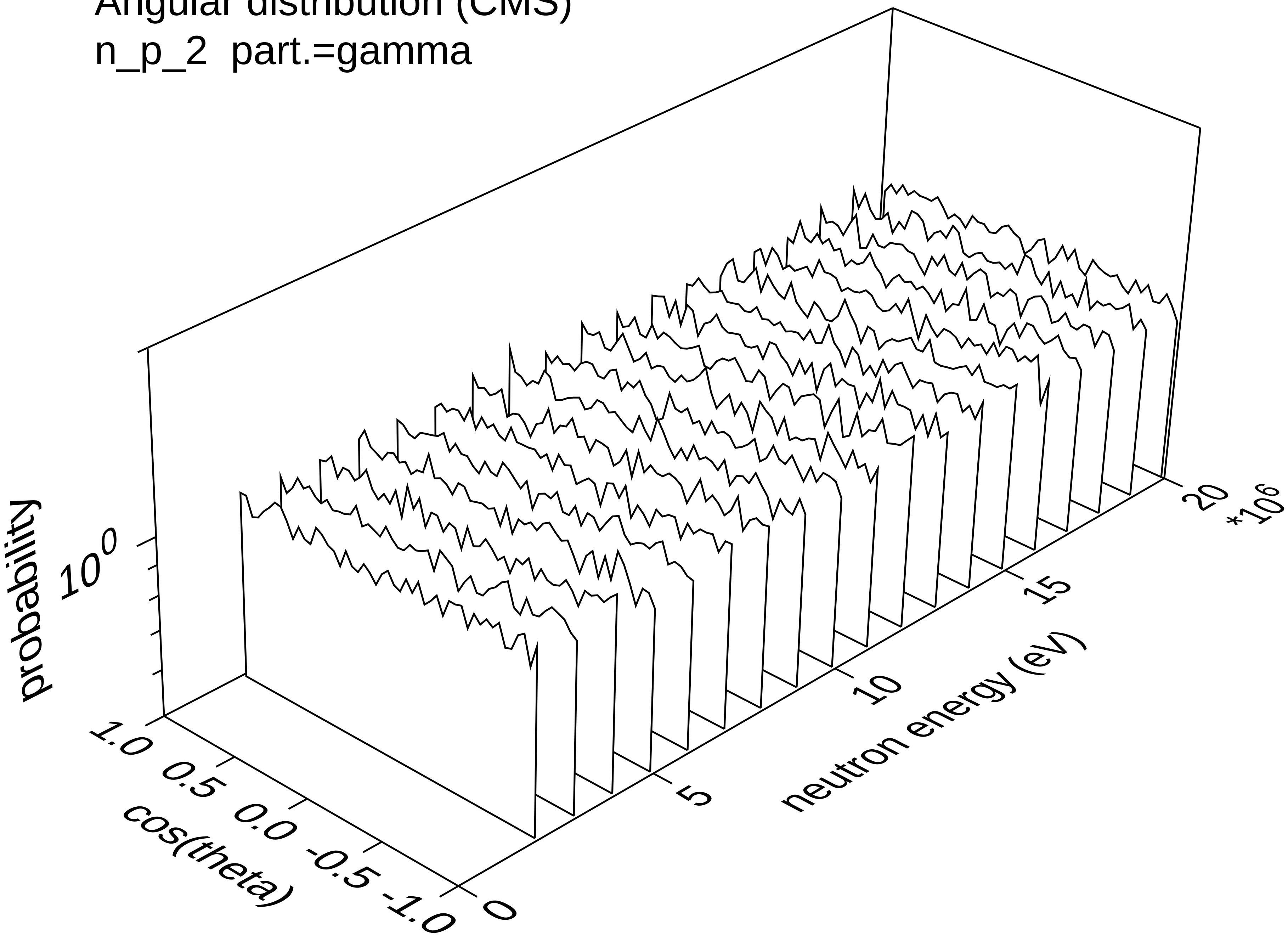


Angular distribution (CMS)
n_p_1 part.=gamma

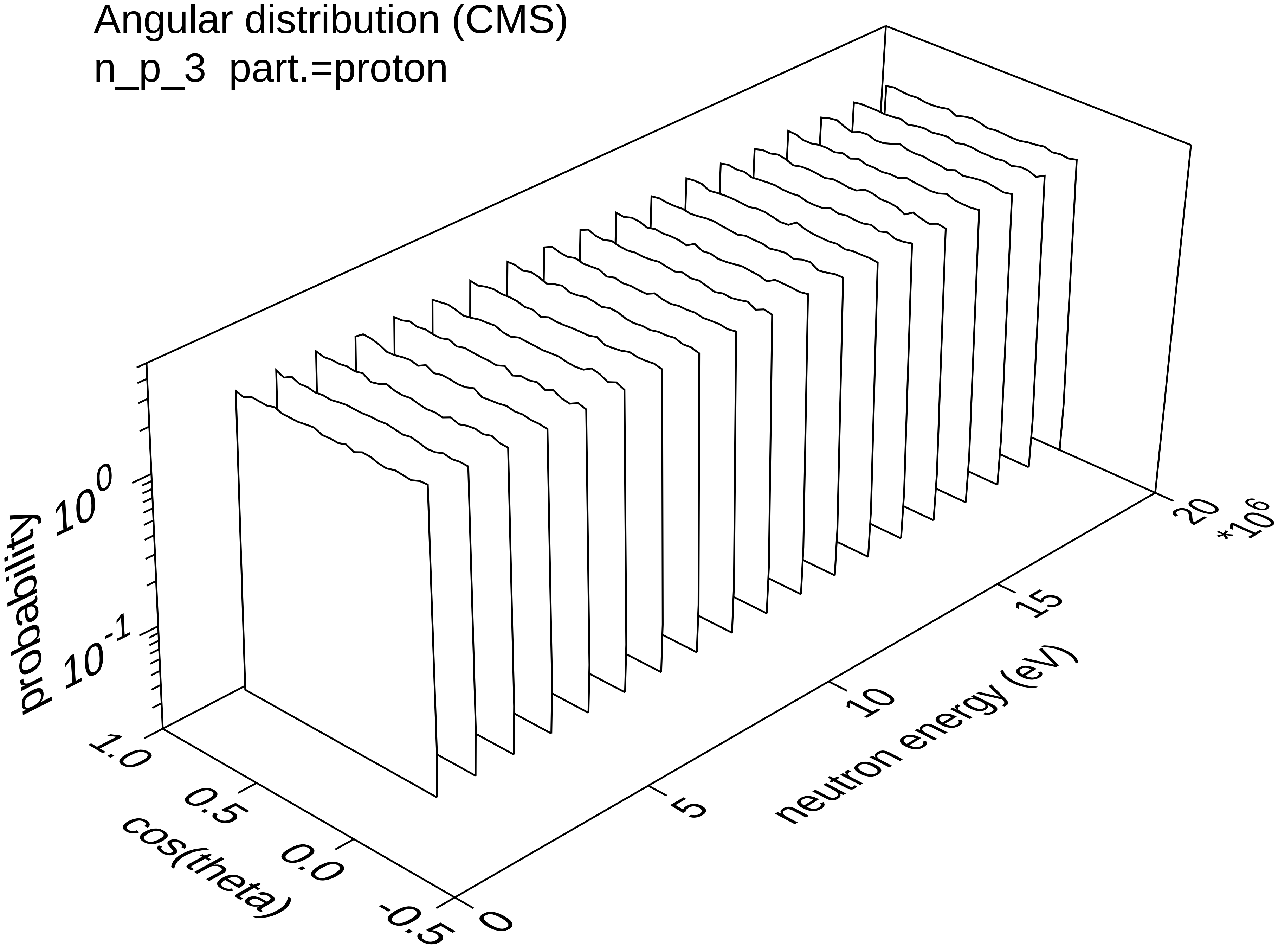


Angular distribution (CMS)
n_p_2 part.=proton



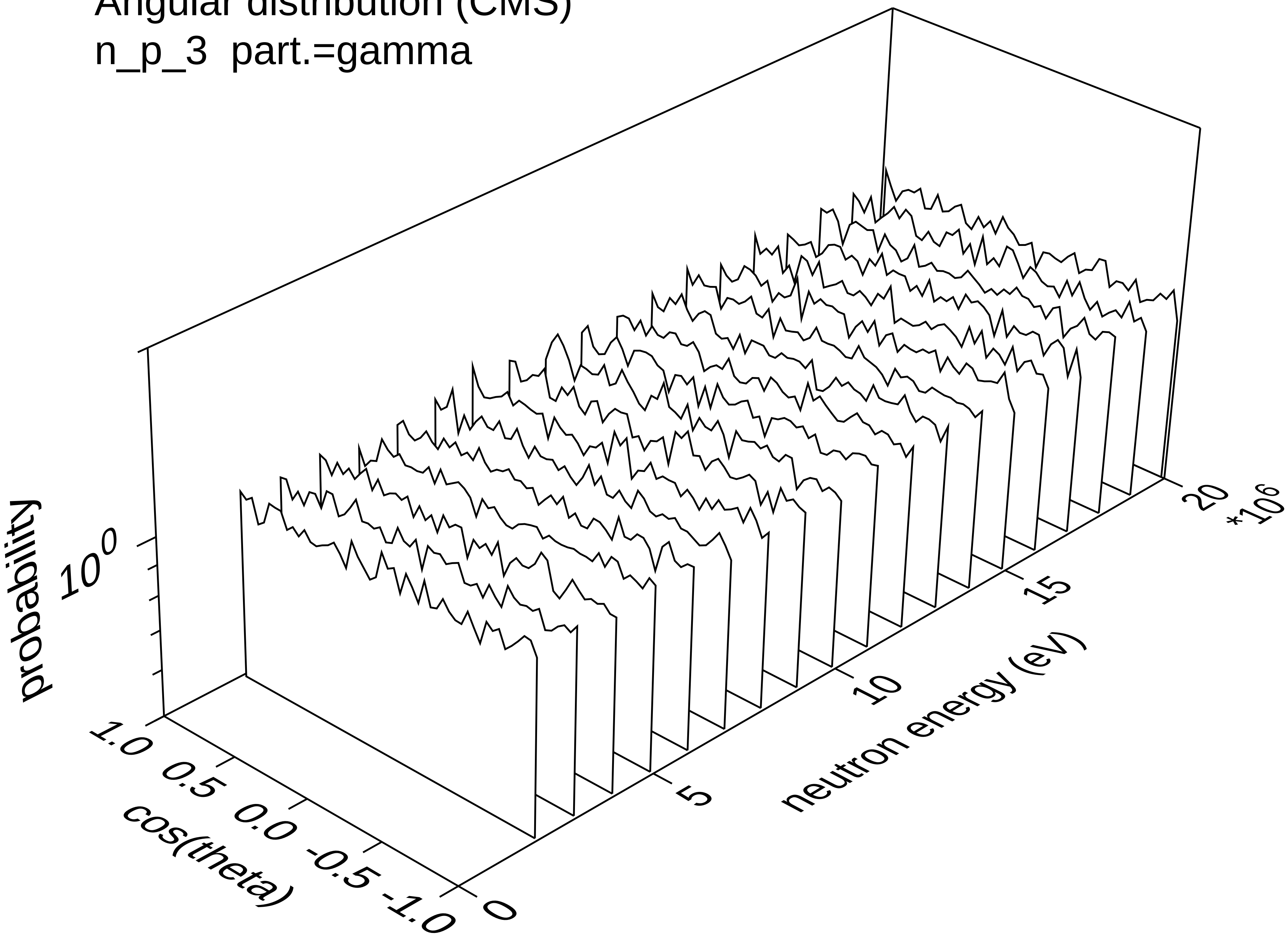


Angular distribution (CMS)
n_p_2 part.=gamma

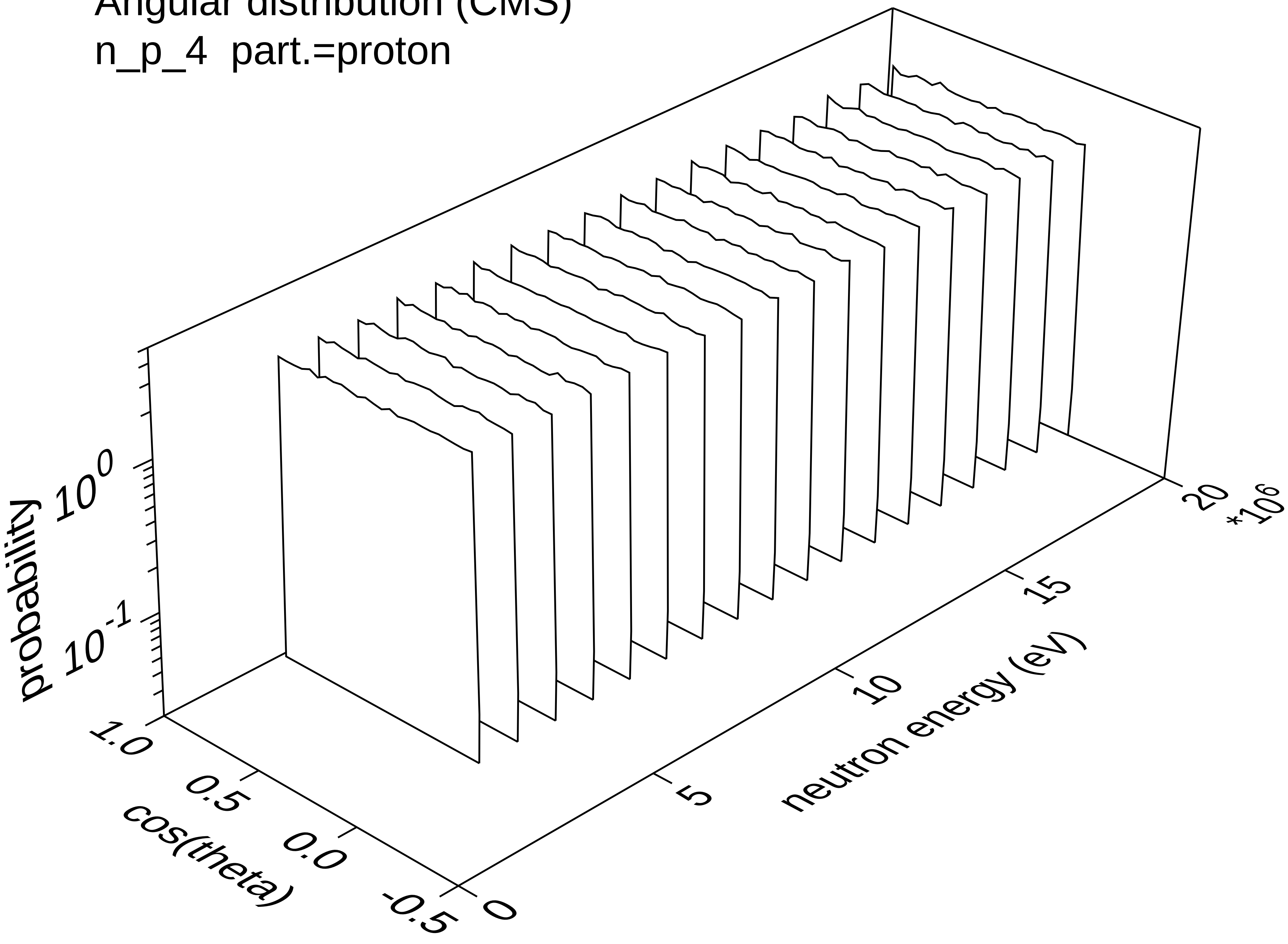


Angular distribution (CMS)
n_p_3 part.=proton

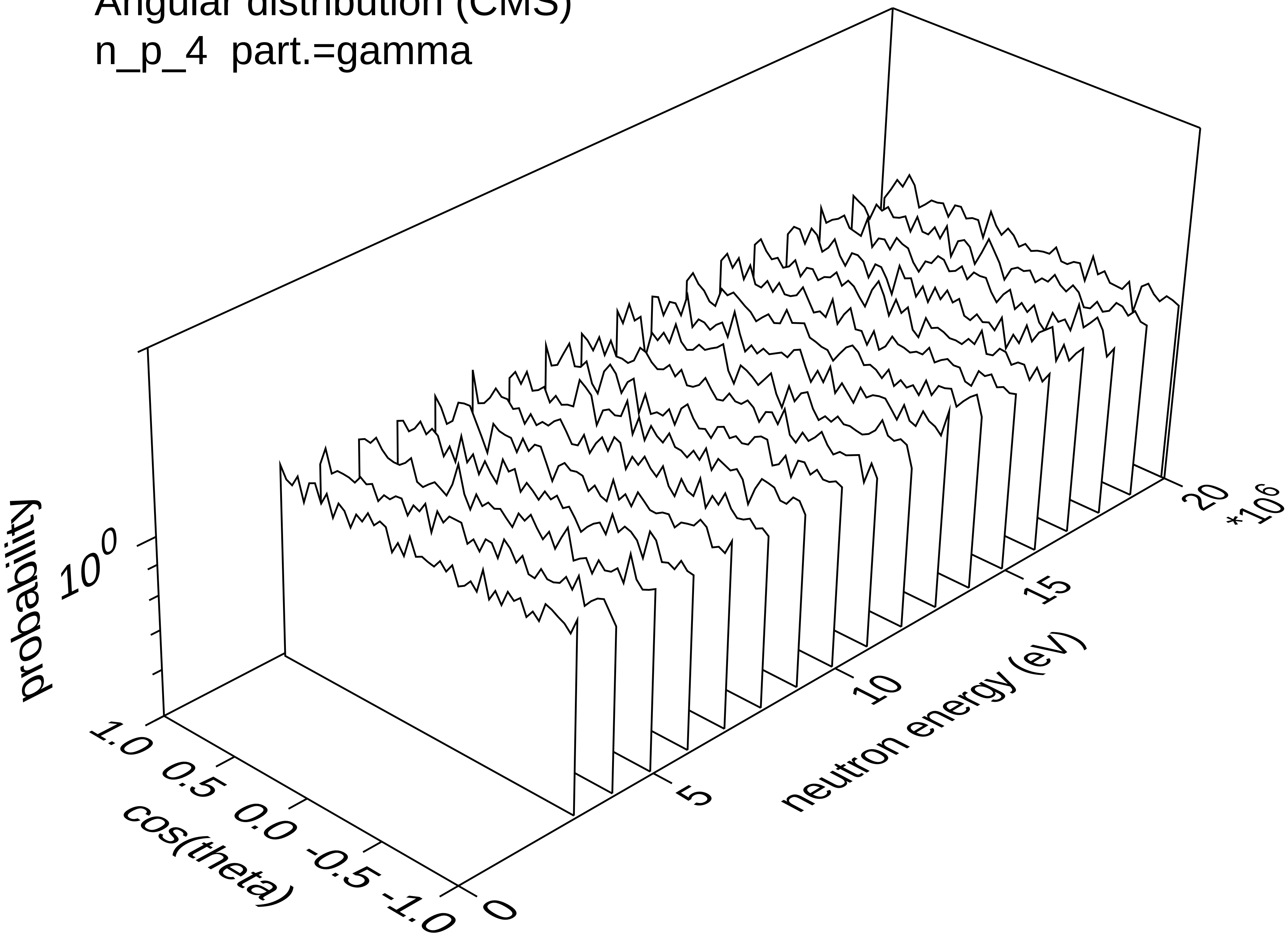
Angular distribution (CMS)
n_p_3 part.=gamma

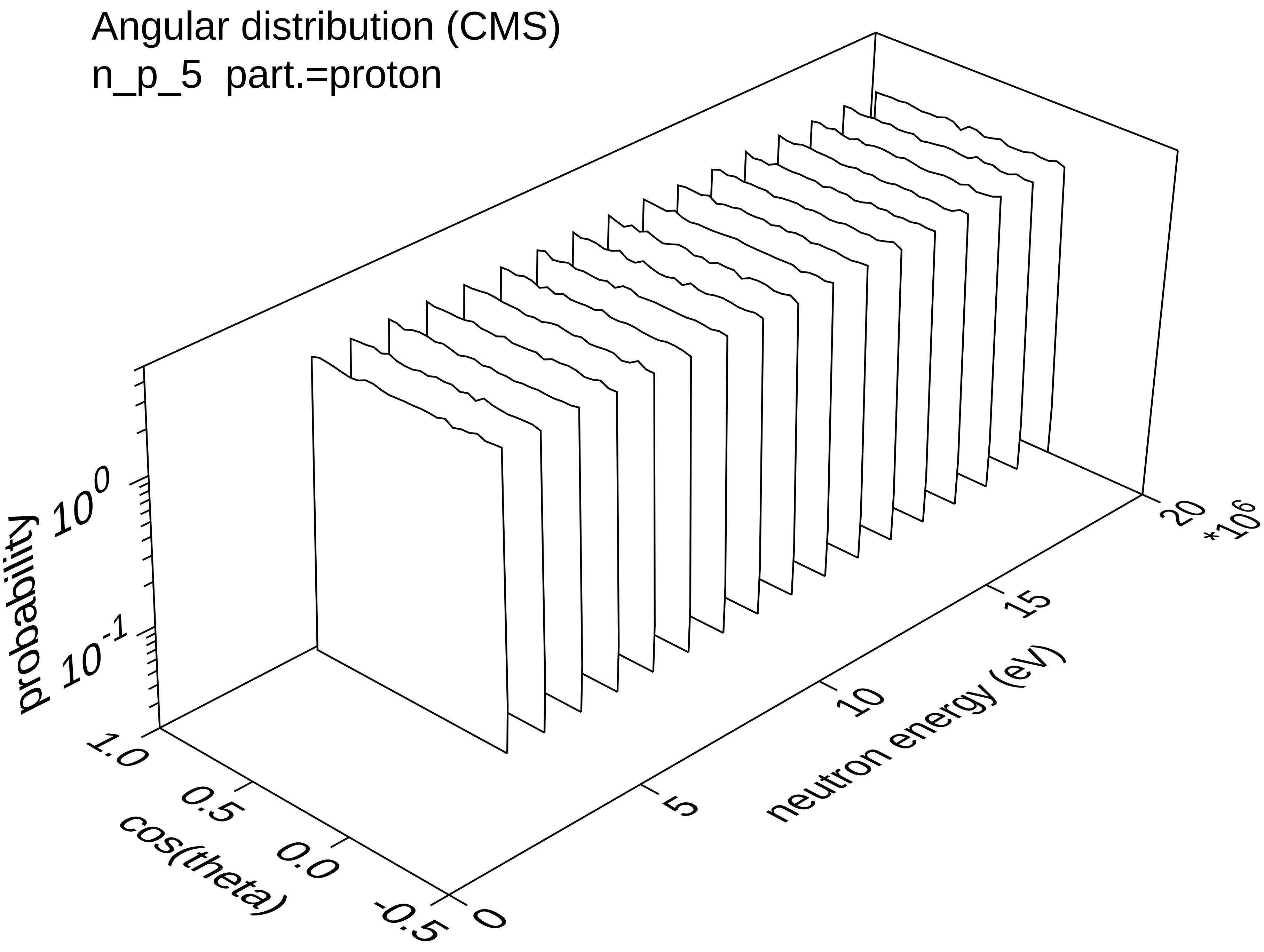


Angular distribution (CMS)
n_p_4 part.=proton



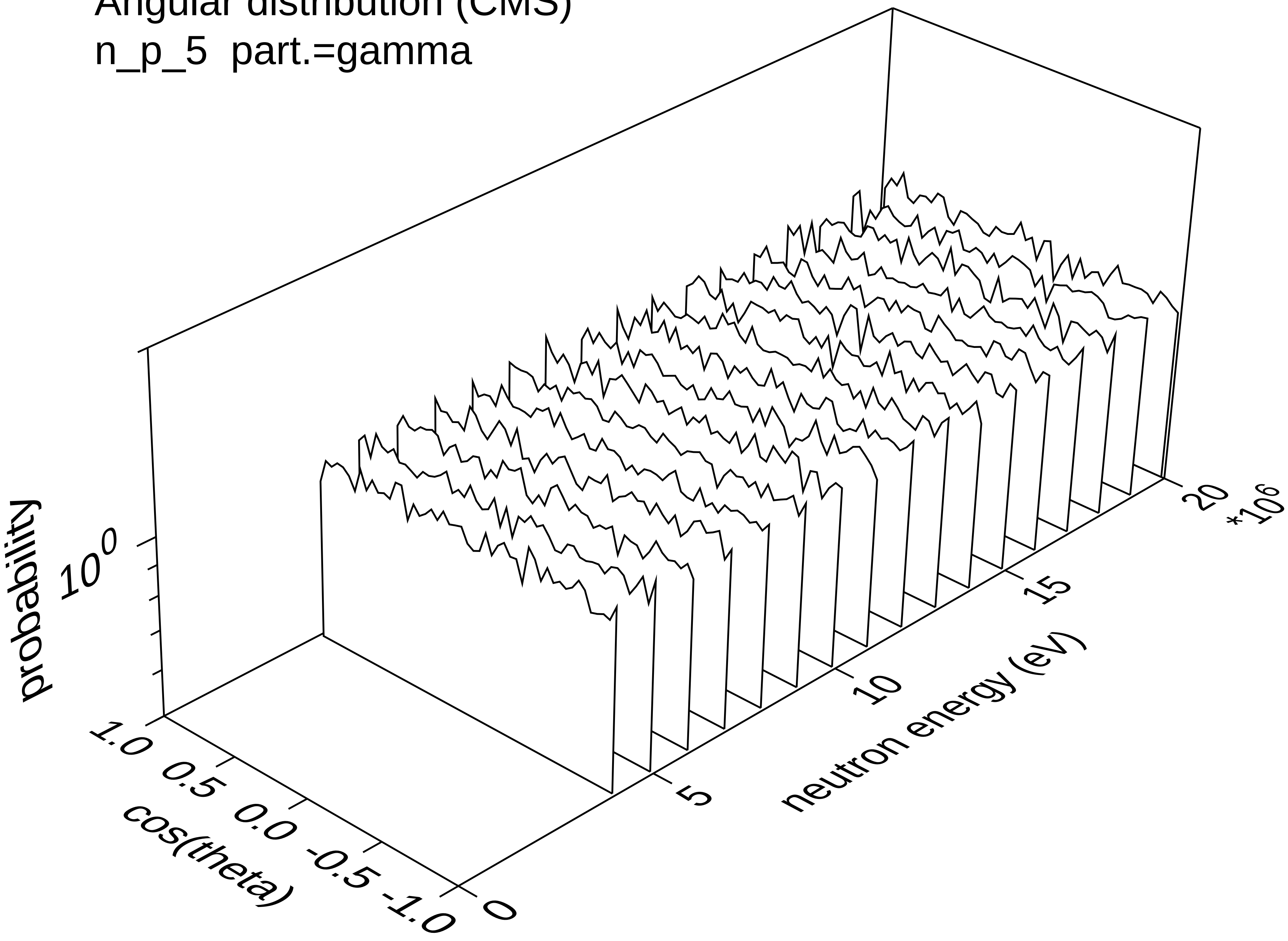
Angular distribution (CMS)
n_p_4 part.=gamma



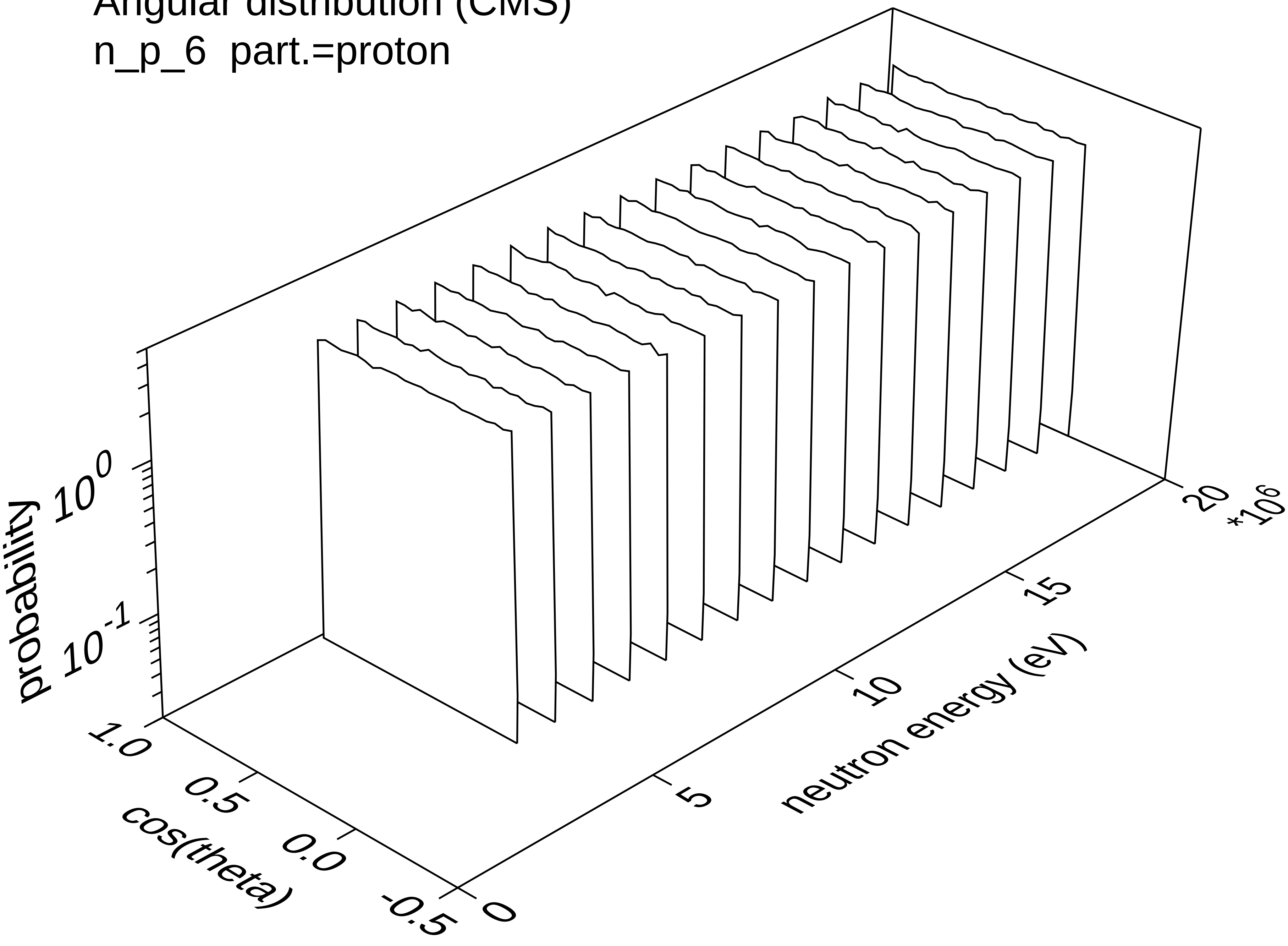


Angular distribution (CMS)
n_p_5 part.=proton

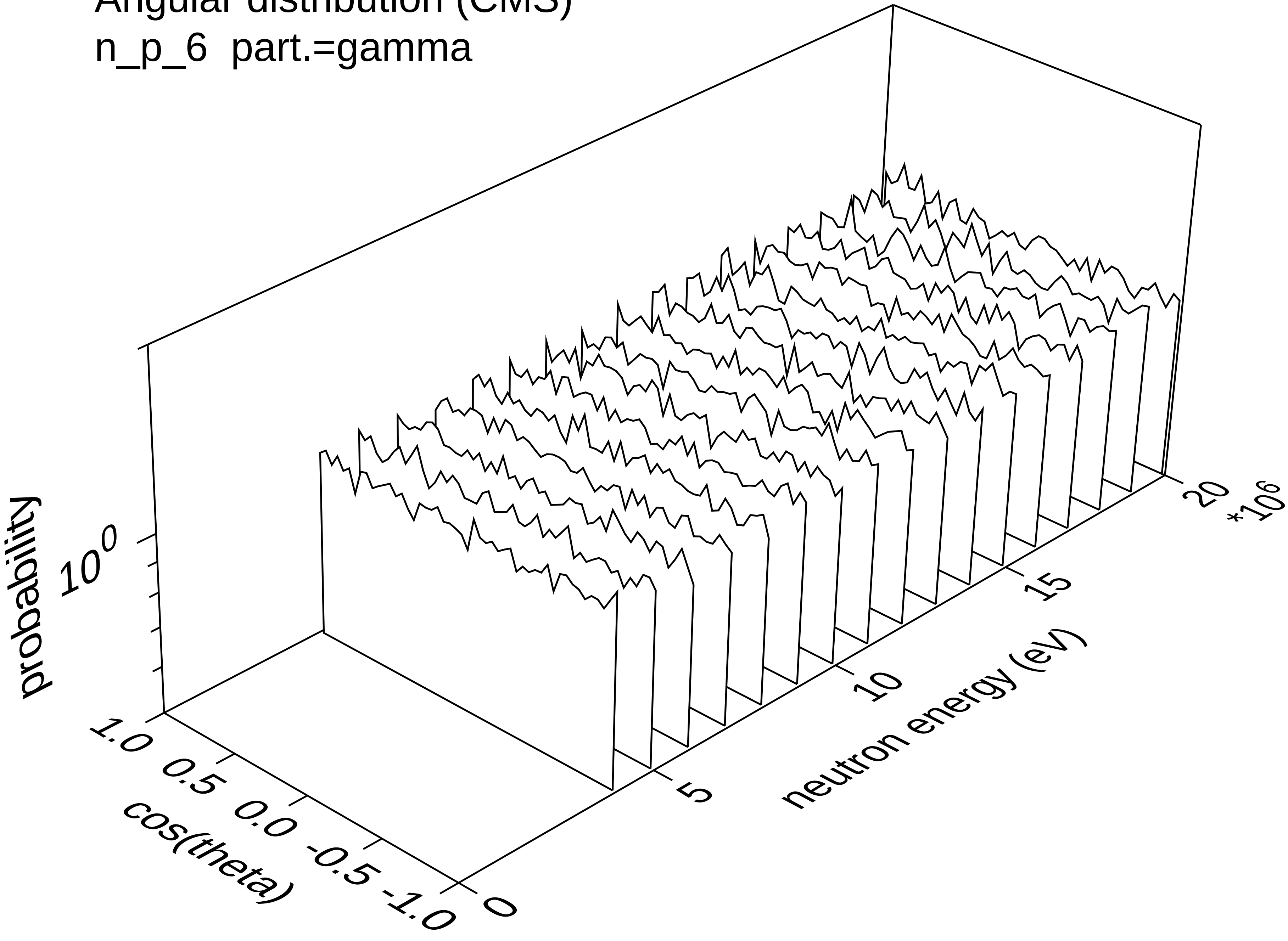
Angular distribution (CMS)
n_p_5 part.=gamma



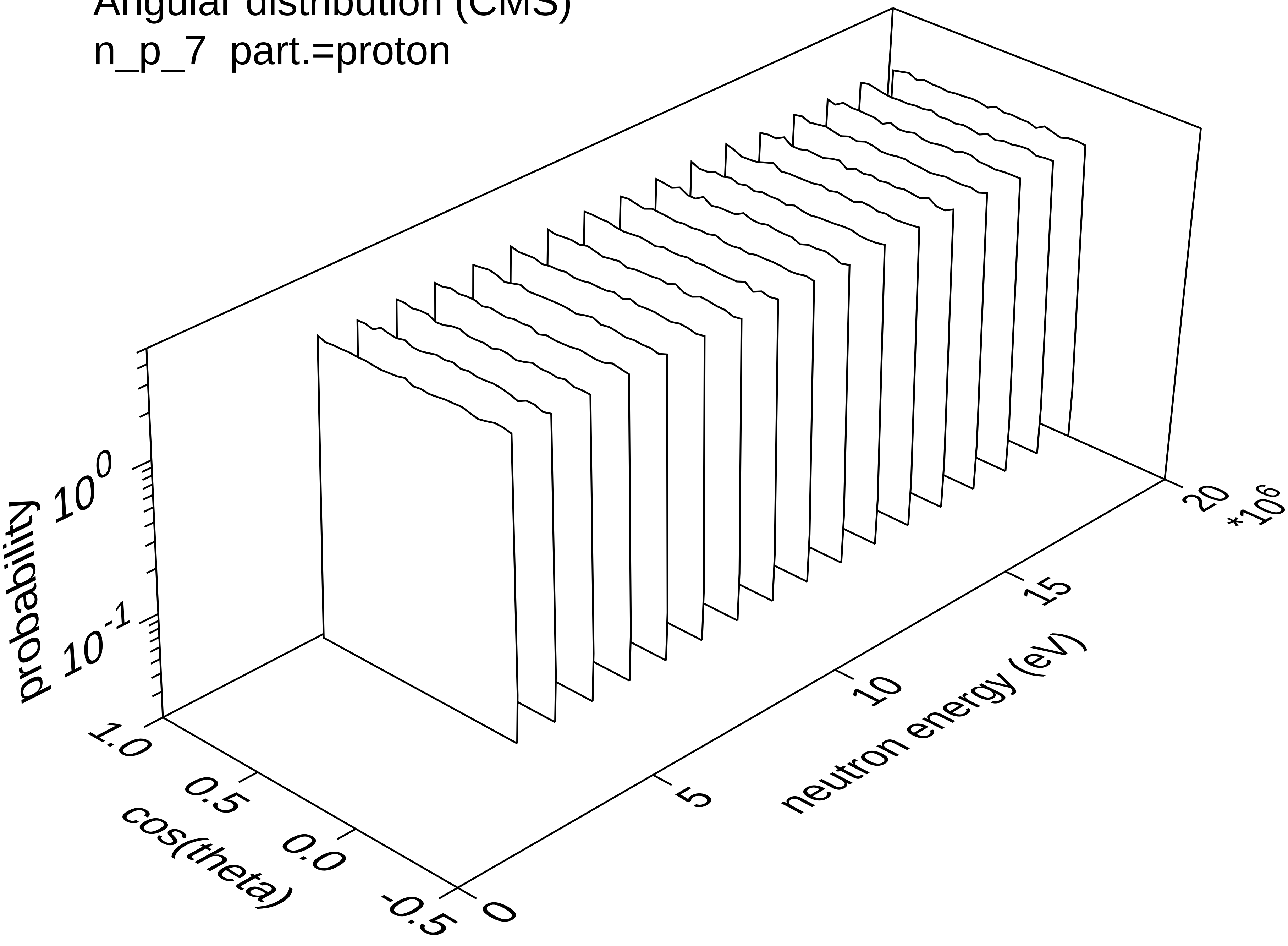
Angular distribution (CMS)
n_p_6 part.=proton



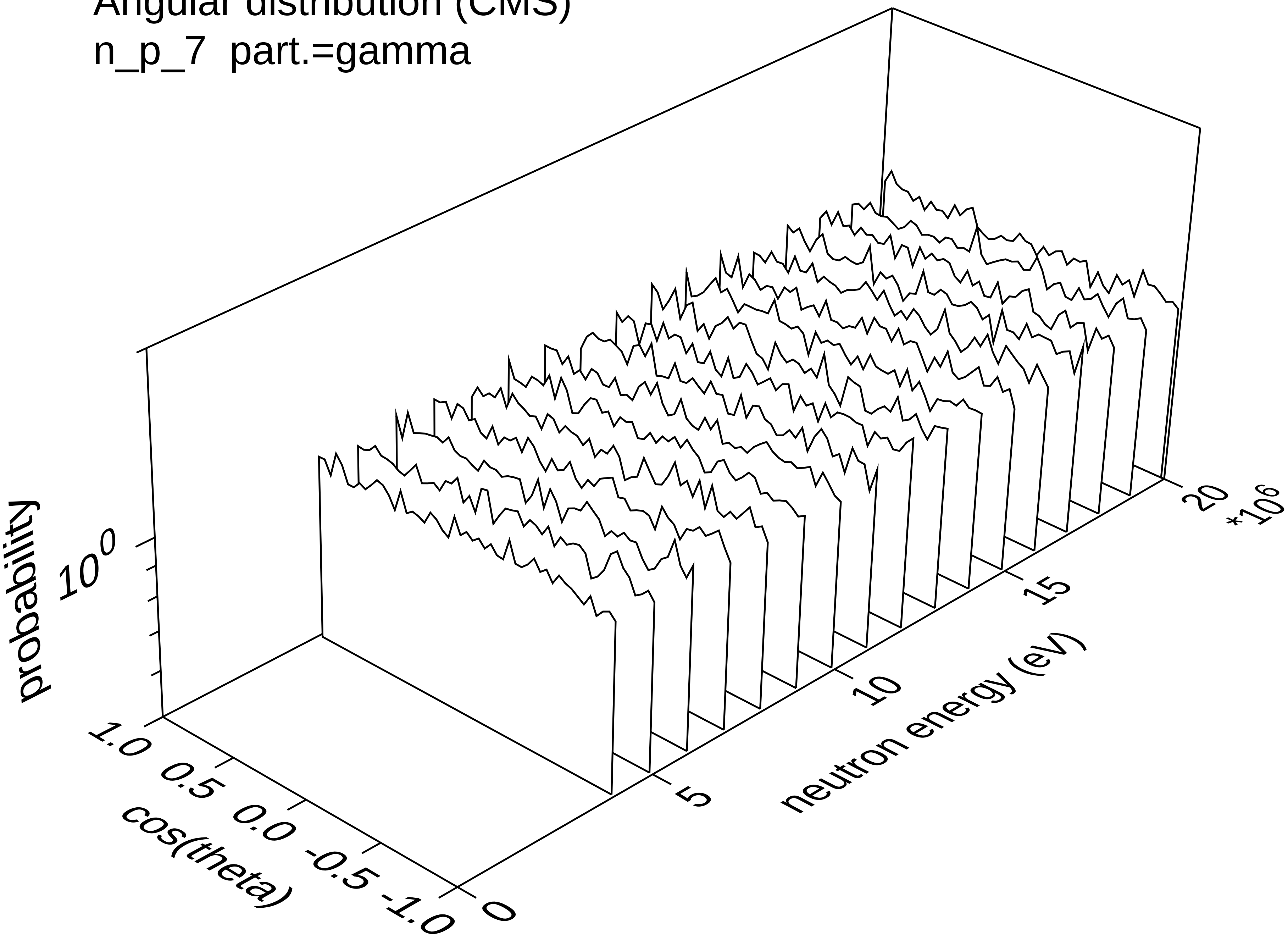
Angular distribution (CMS)
n_p_6 part.=gamma

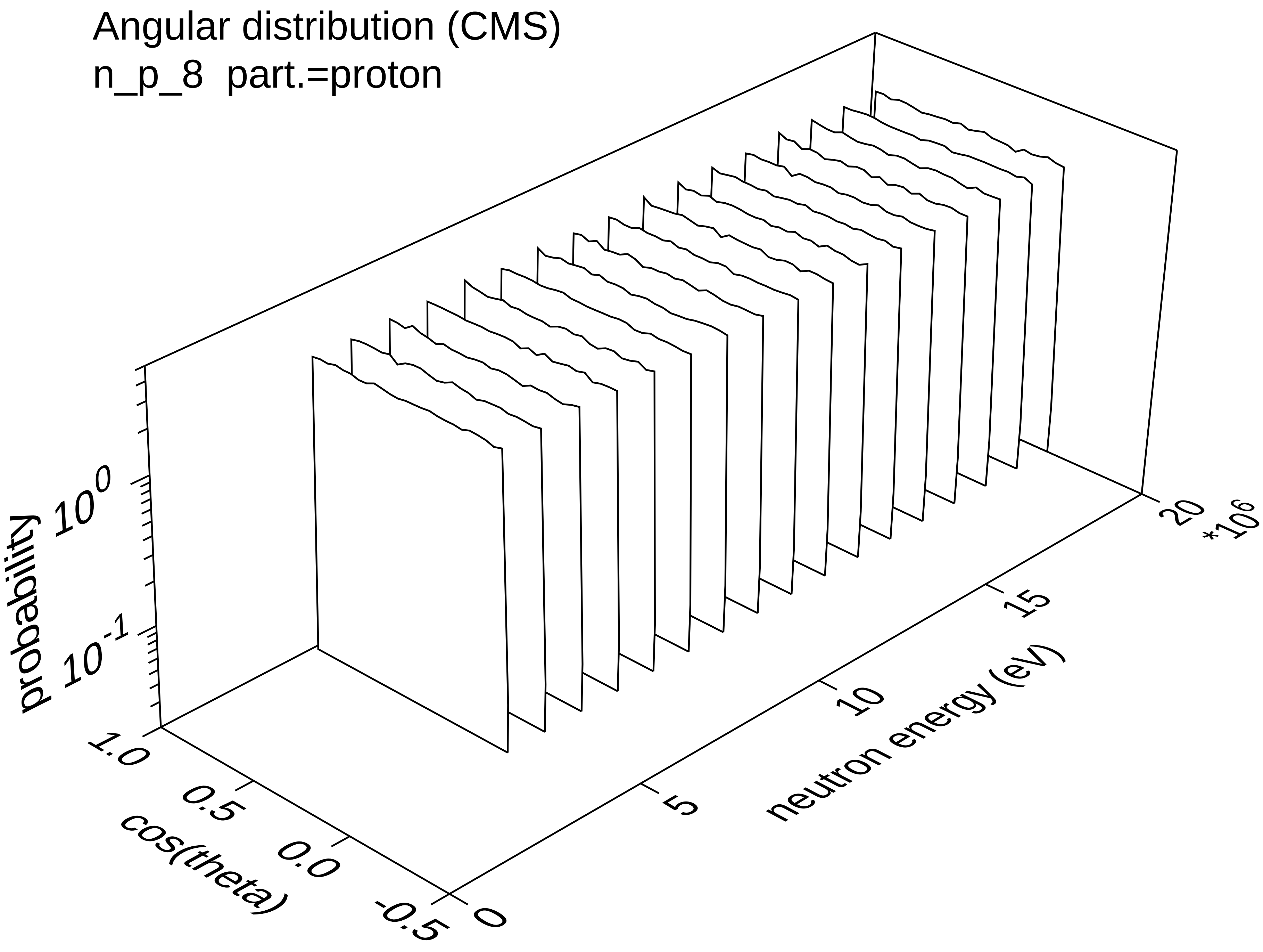


Angular distribution (CMS)
n_p_7 part.=proton



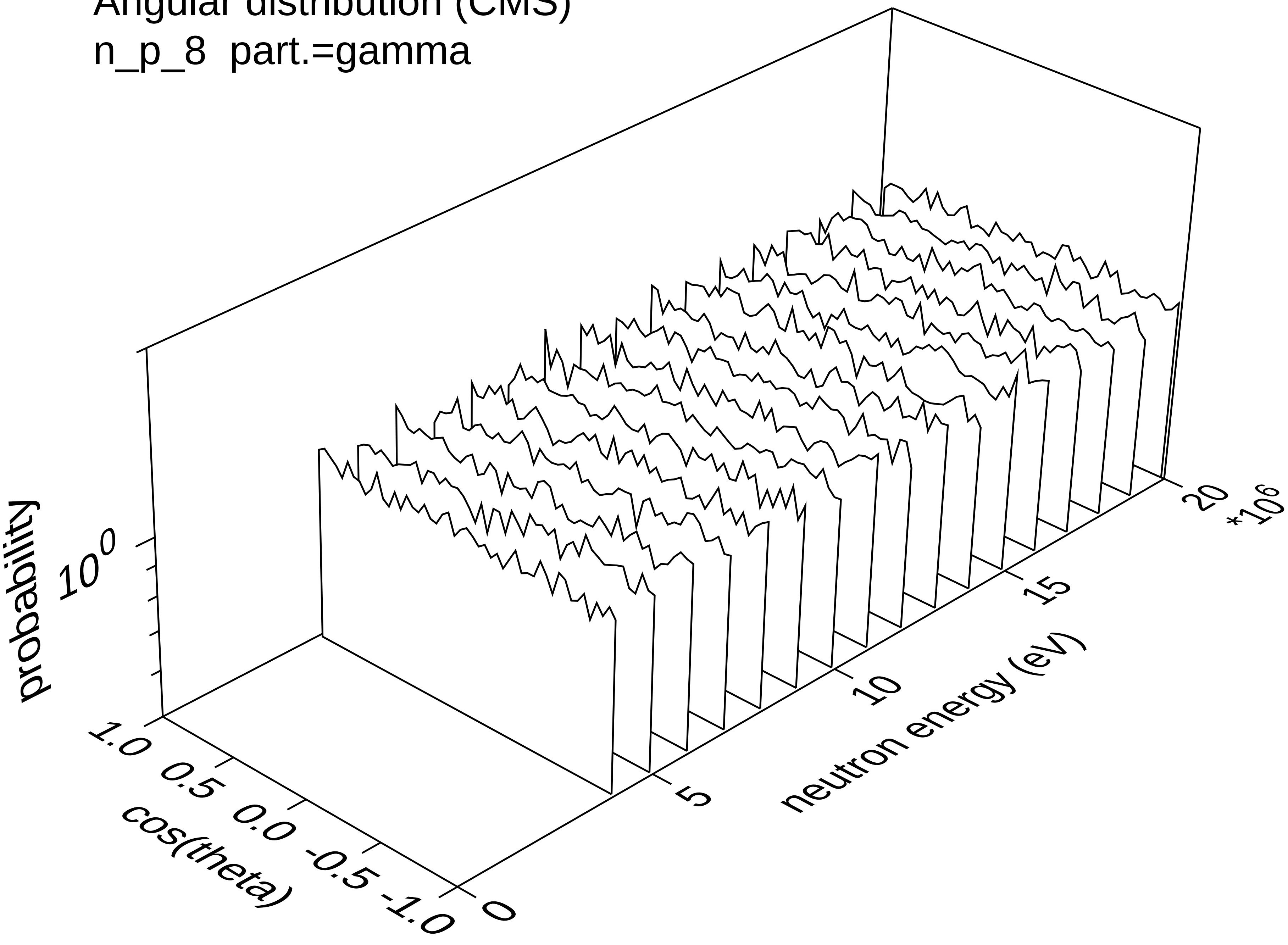
Angular distribution (CMS)
n_p_7 part.=gamma

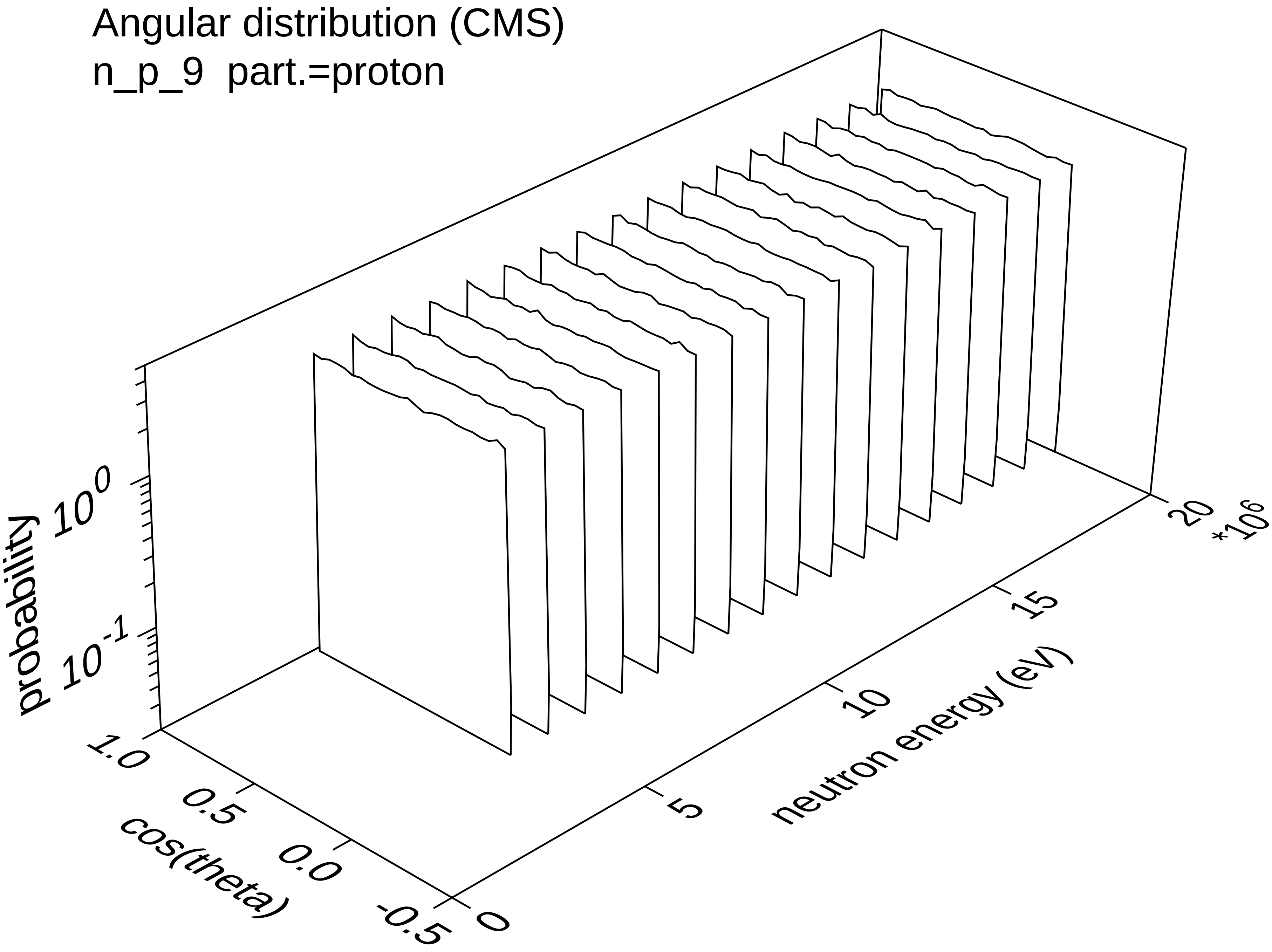




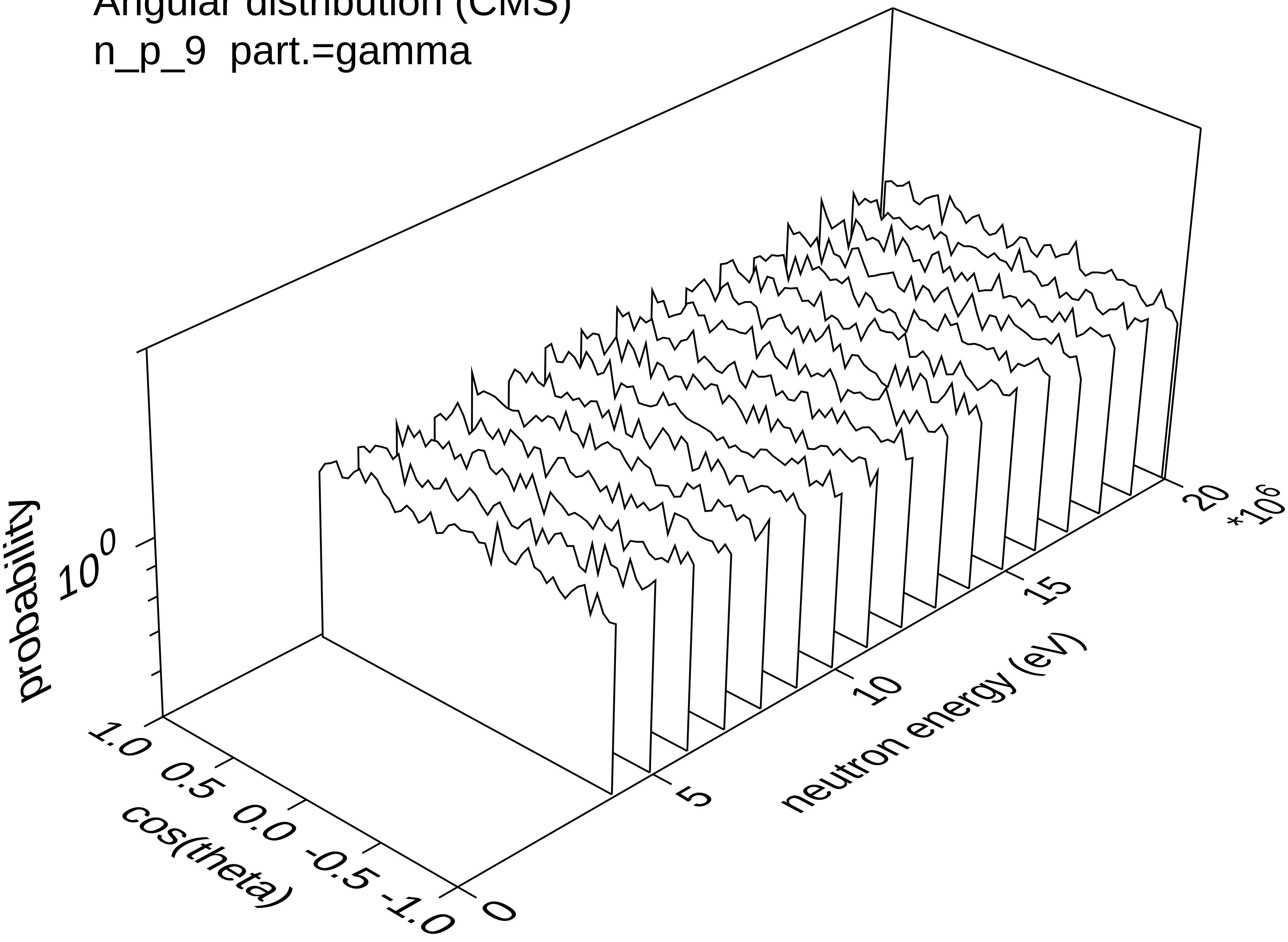
Angular distribution (CMS)
n_p_8 part.=proton

Angular distribution (CMS)
n_p_8 part.=gamma

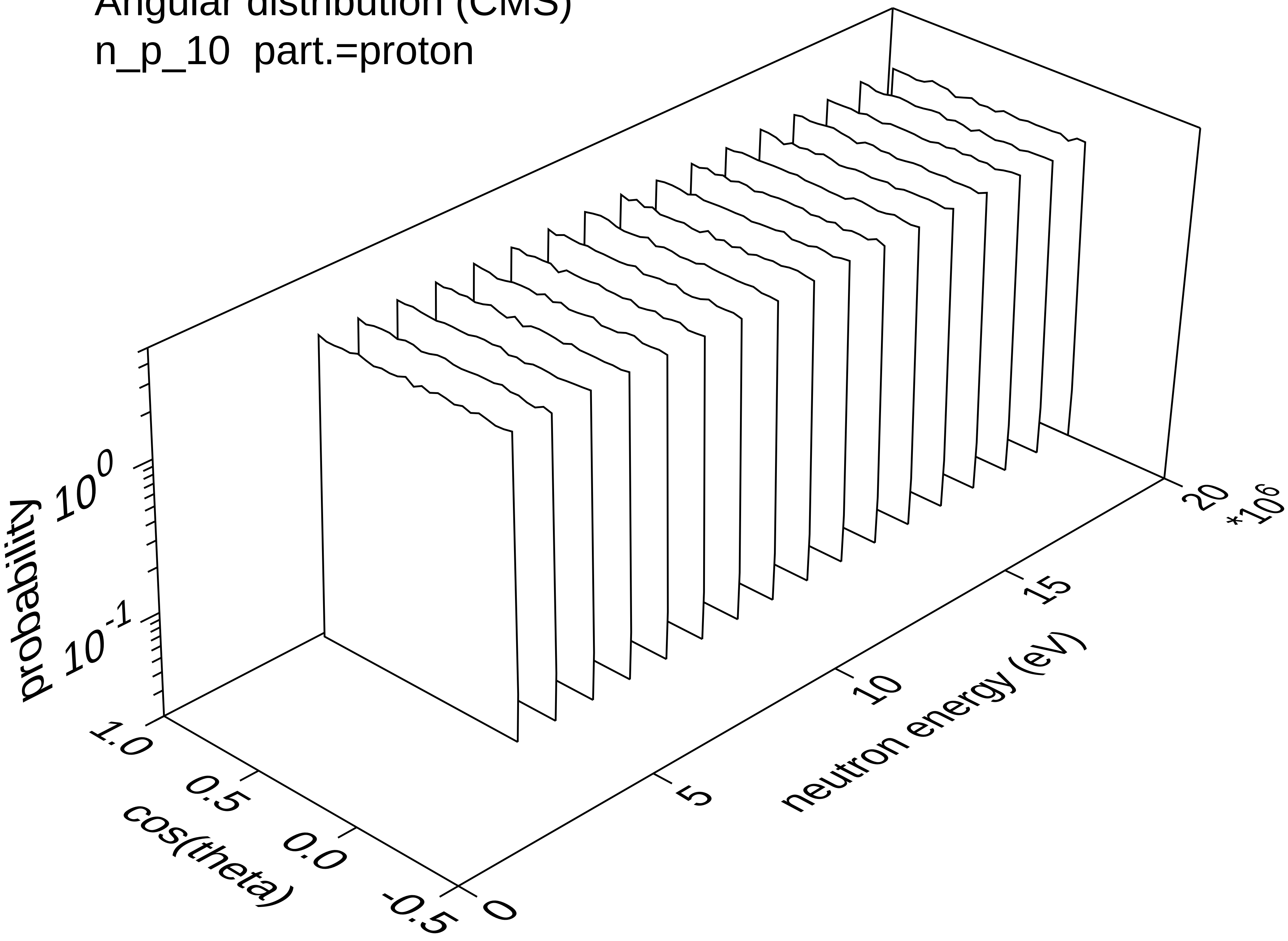



Angular distribution (CMS)
n_p_9 part.=proton
probability
10^0
10^{-1}
1.0
0.5
0.0
-0.5
cos(theta)
0
5
10
15
20
$*10^6$
neutron energy (eV)

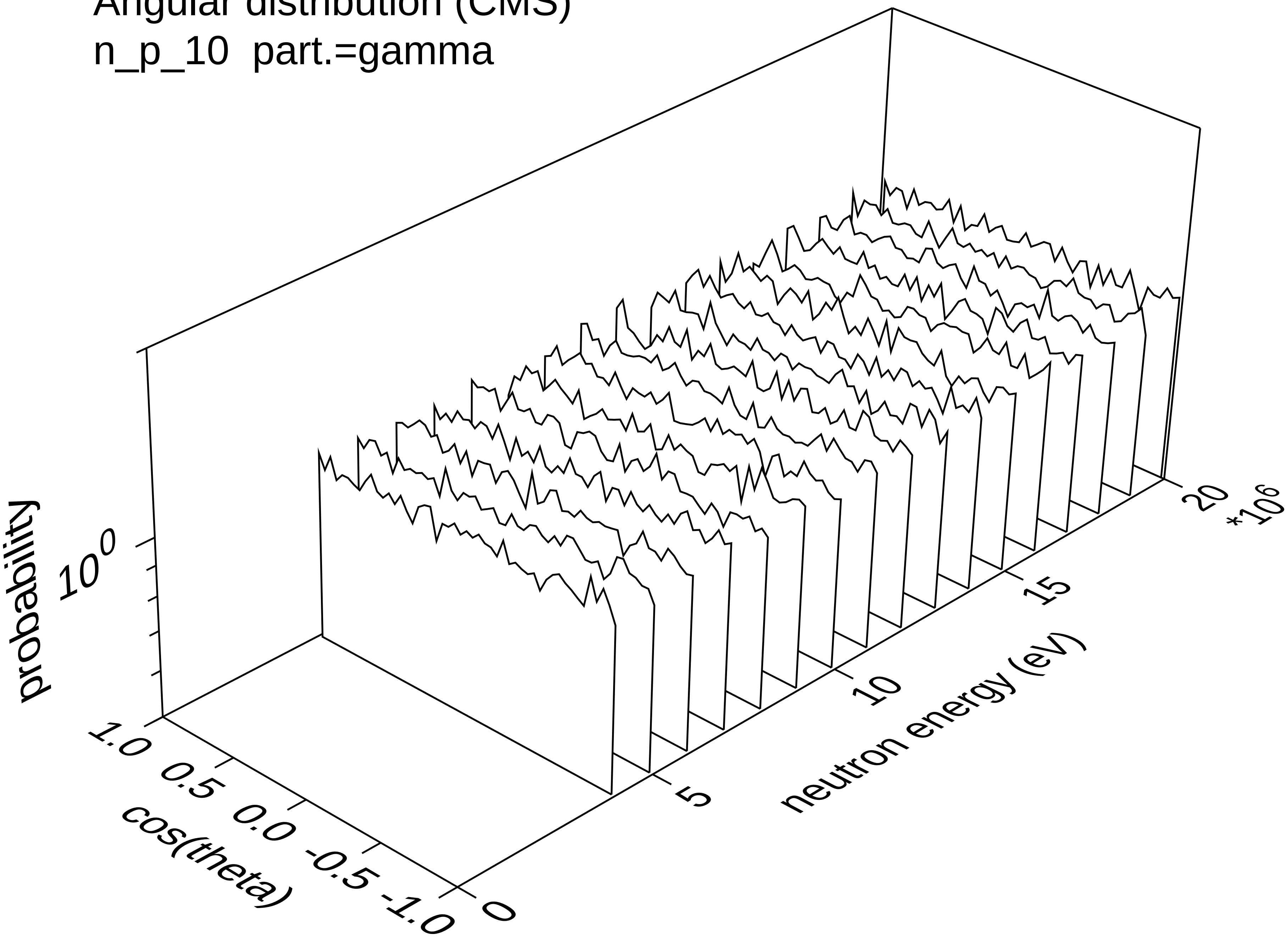
Angular distribution (CMS)
n_p_9 part.=gamma

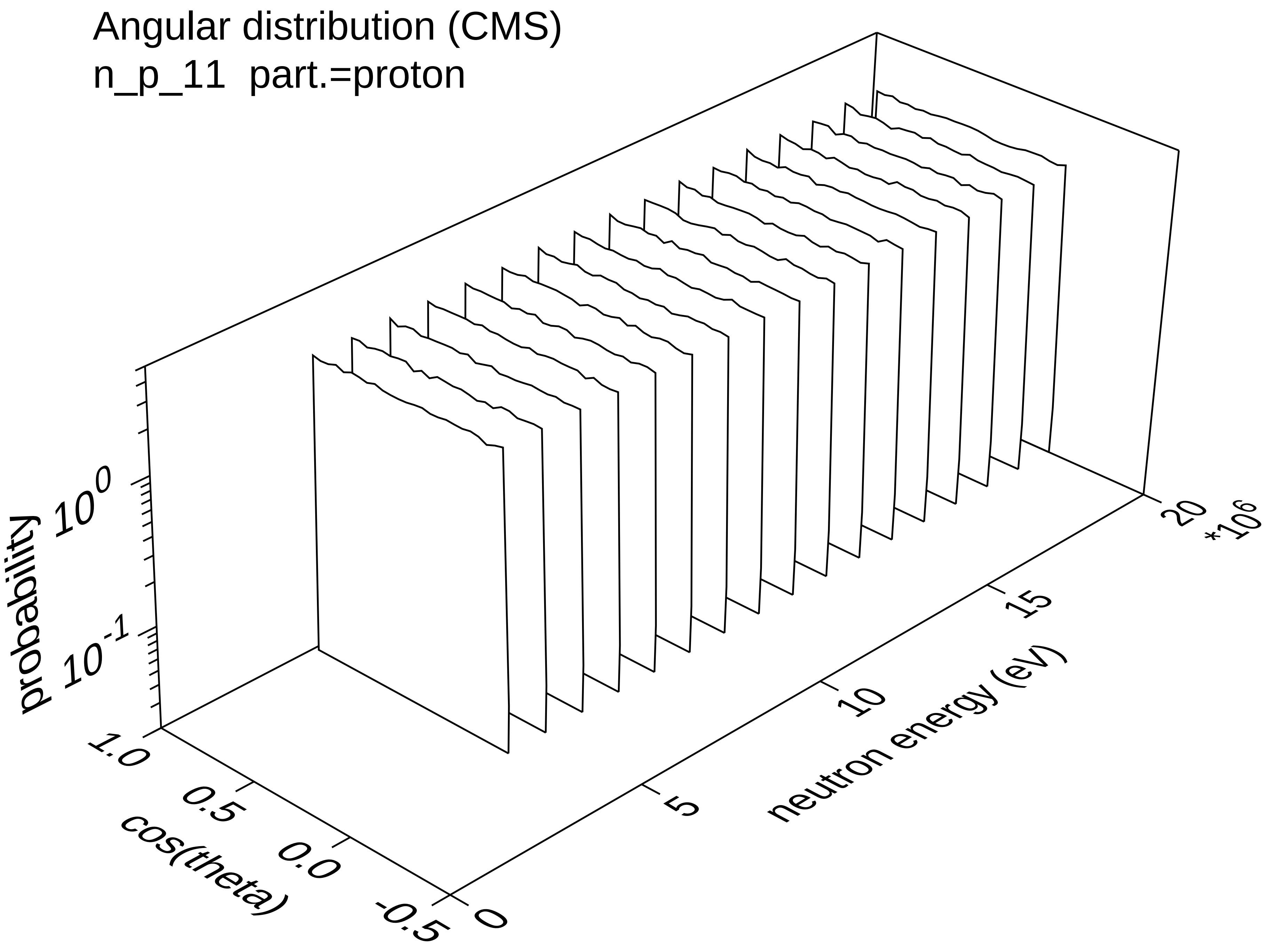


Angular distribution (CMS)
n_p_10 part.=proton

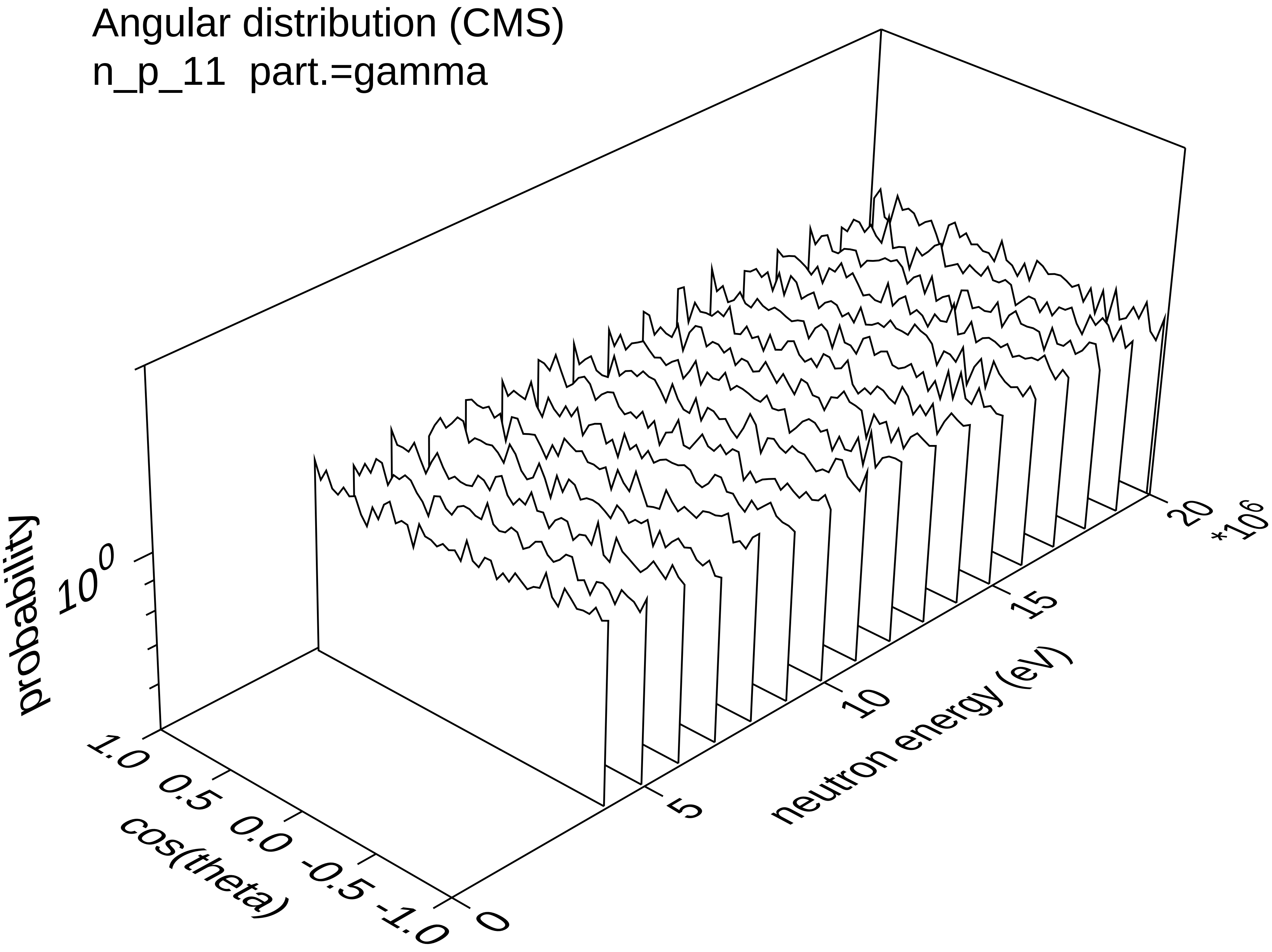


Angular distribution (CMS)
n_p_10 part.=gamma



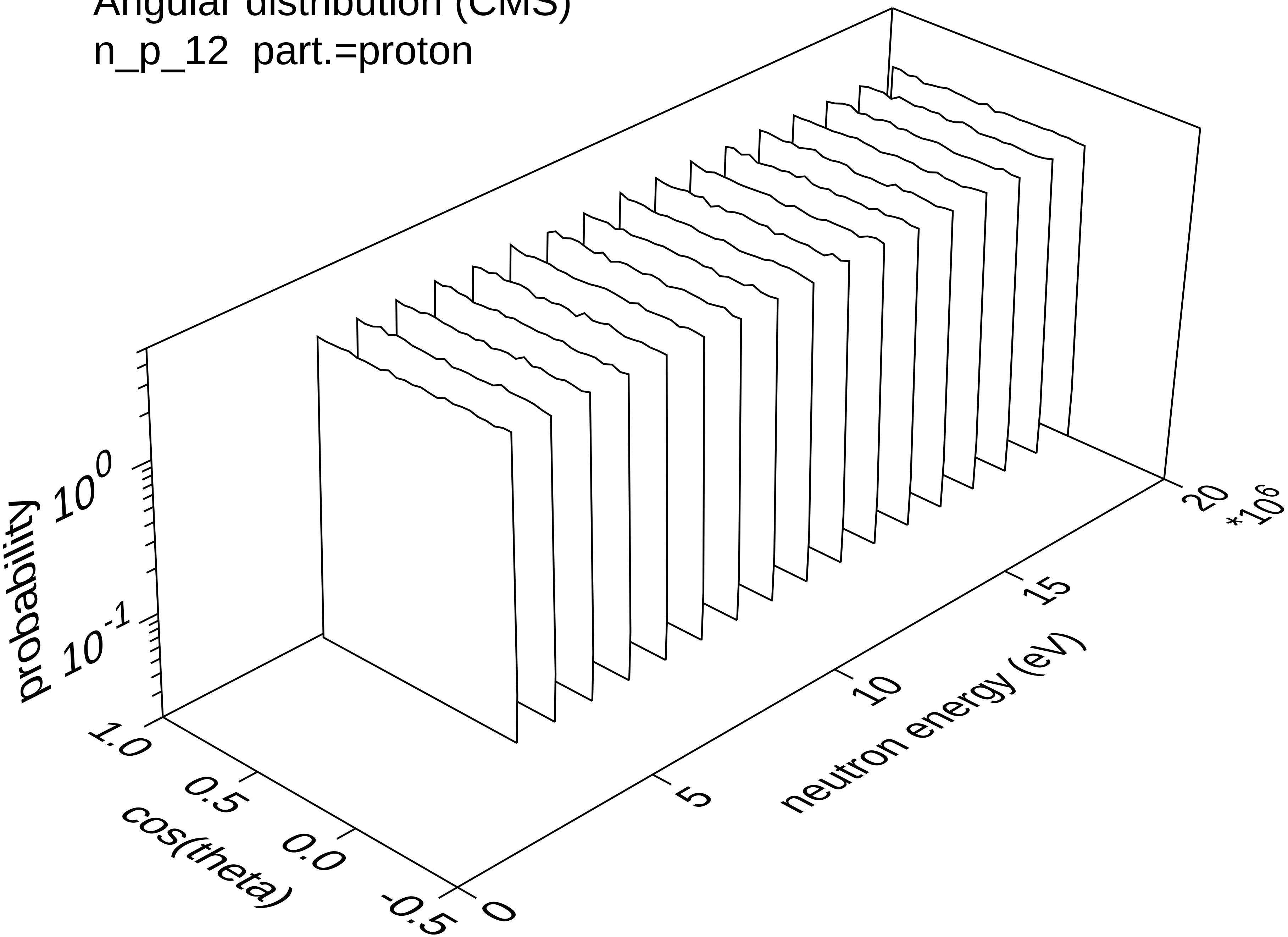


Angular distribution (CMS)
n_p_11 part.=proton

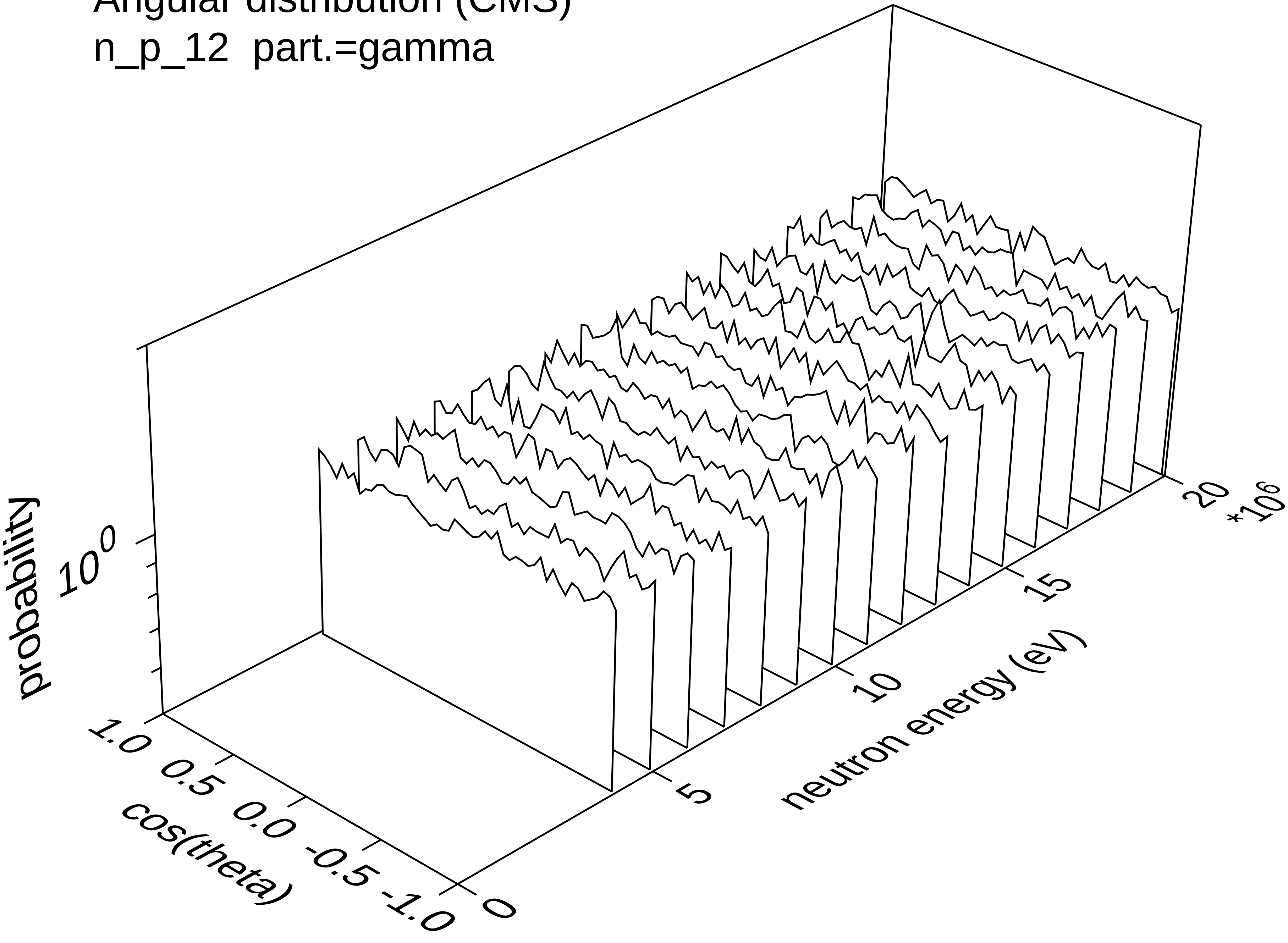


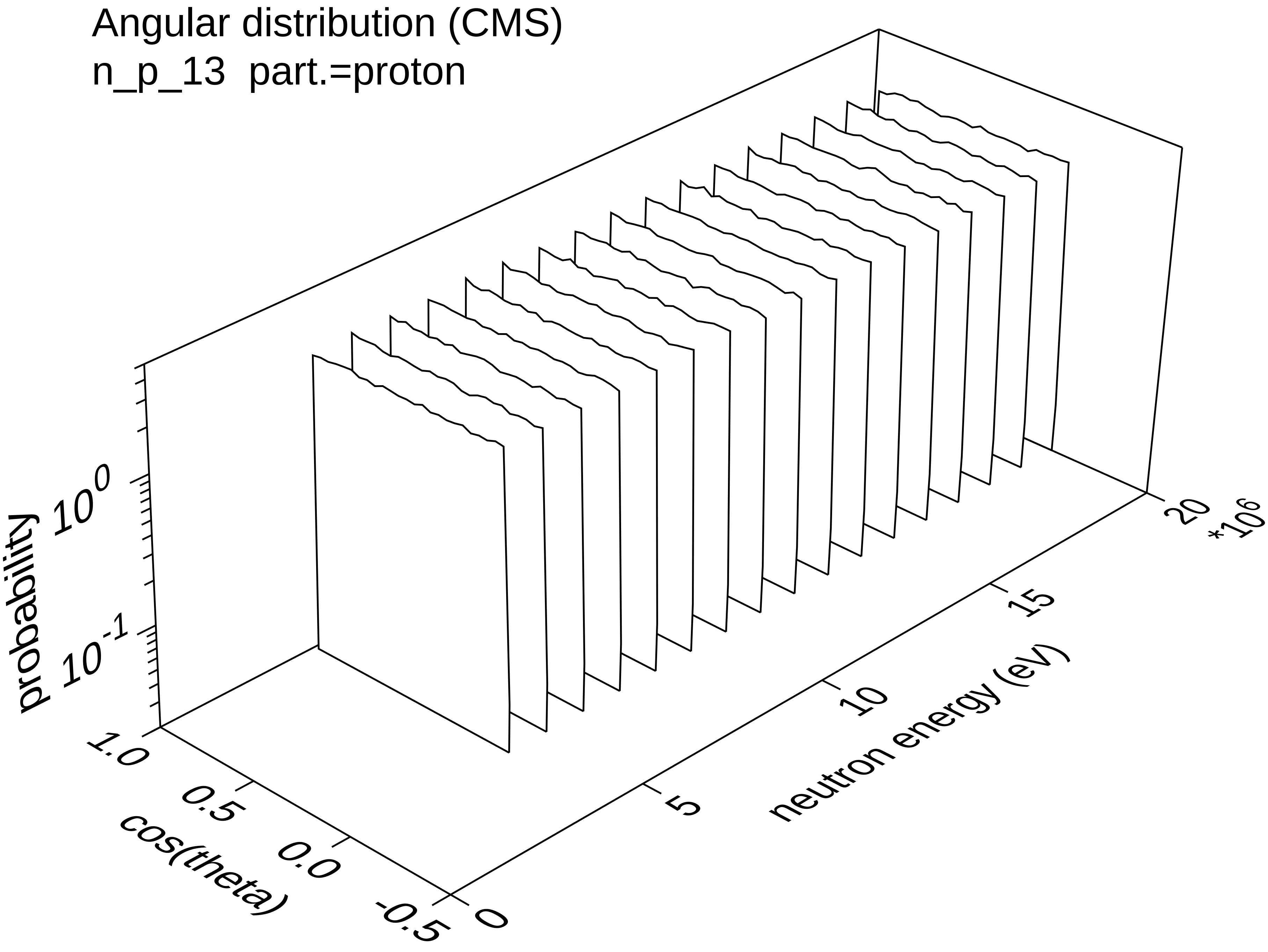
Angular distribution (CMS)
n_p_11 part.=gamma

Angular distribution (CMS)
n_p_12 part.=proton

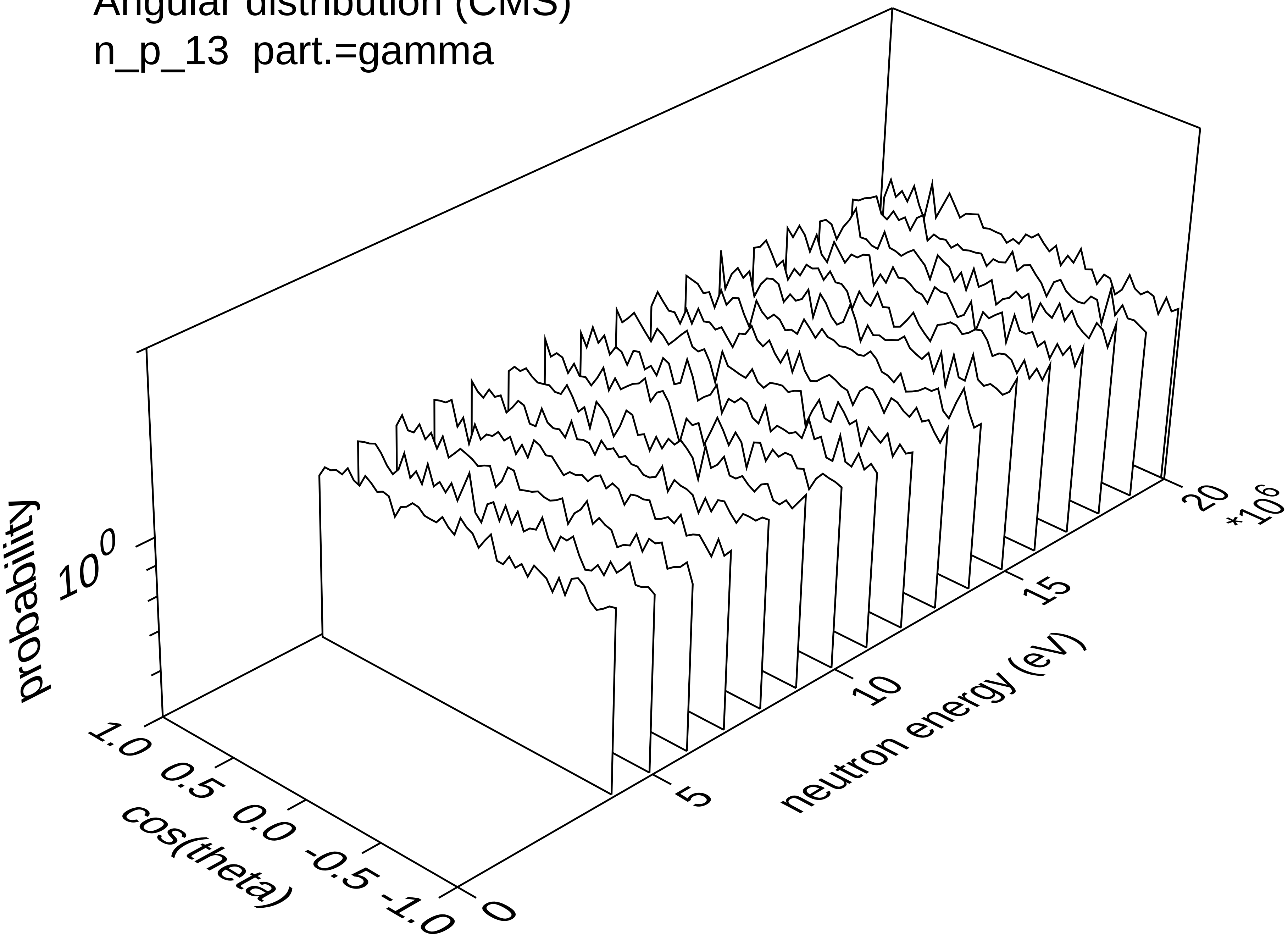


Angular distribution (CMS)
n_p_12 part.=gamma

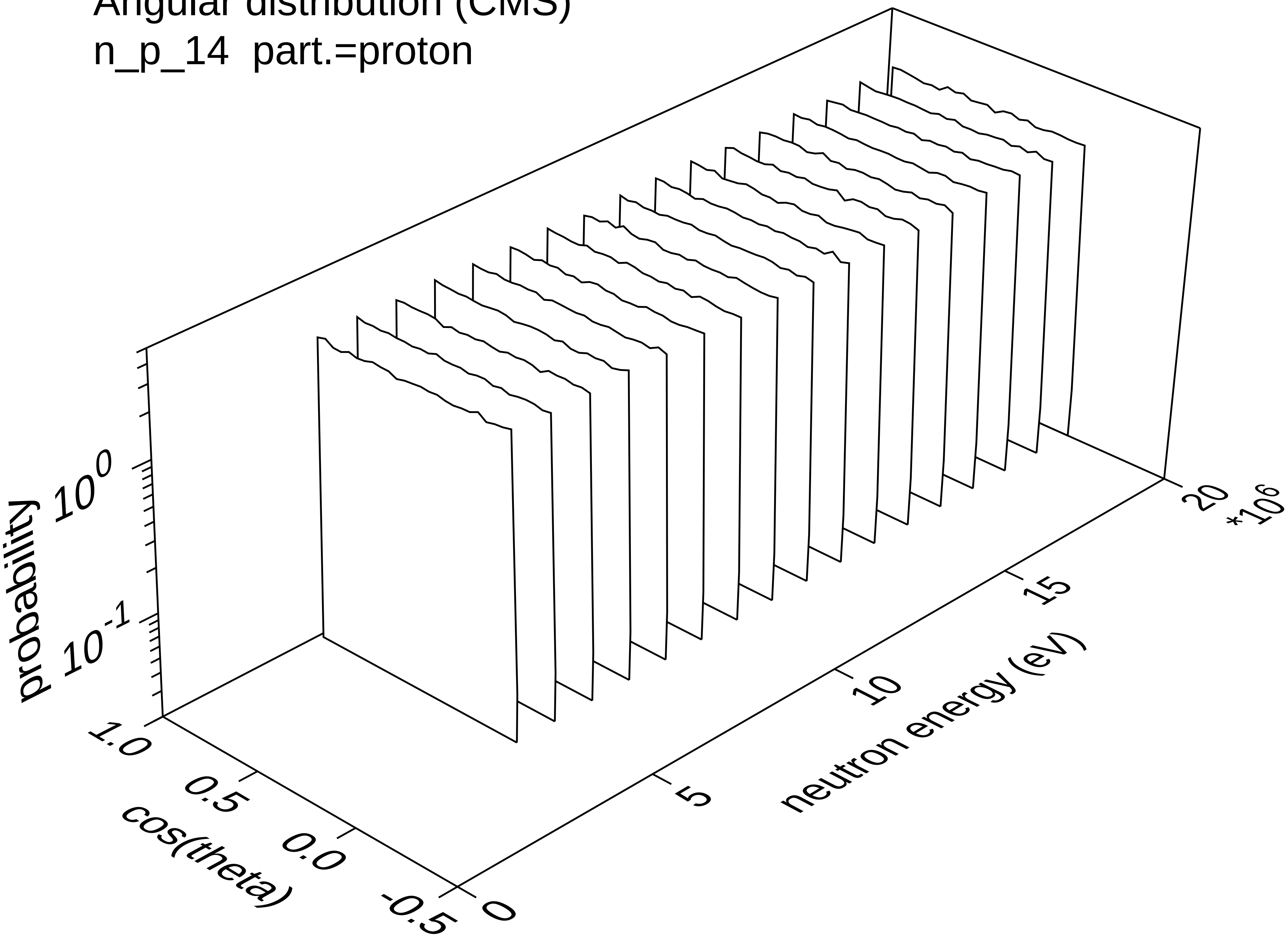



Angular distribution (CMS)
n_p_13 part.=proton
probability
10^0
10^-1
1.0
0.5
0.0
-0.5
cos(theta)
0
5
10
15
20
*10^6
neutron energy (eV)

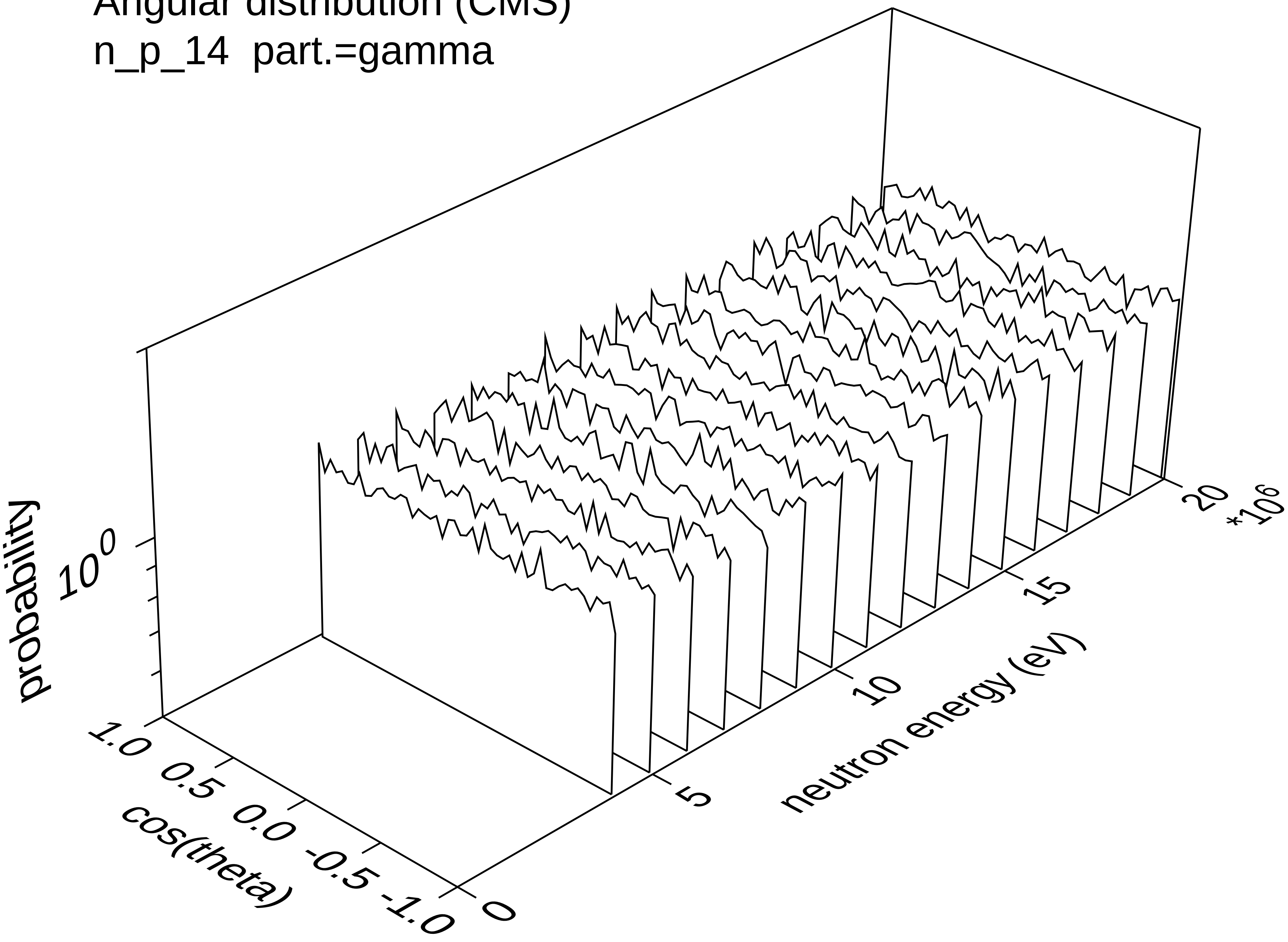
Angular distribution (CMS)
n_p_13 part.=gamma



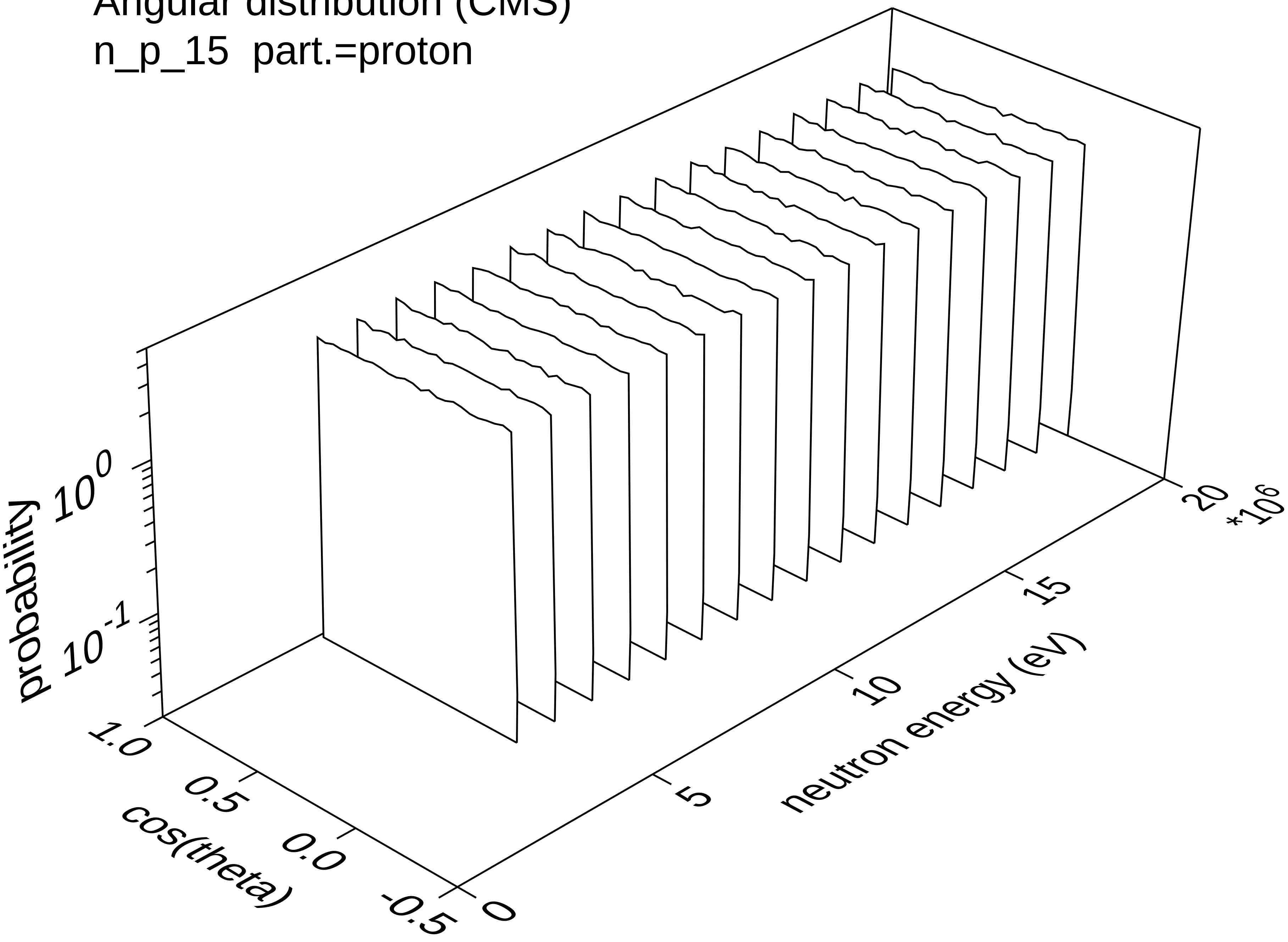
Angular distribution (CMS)
n_p_14 part.=proton



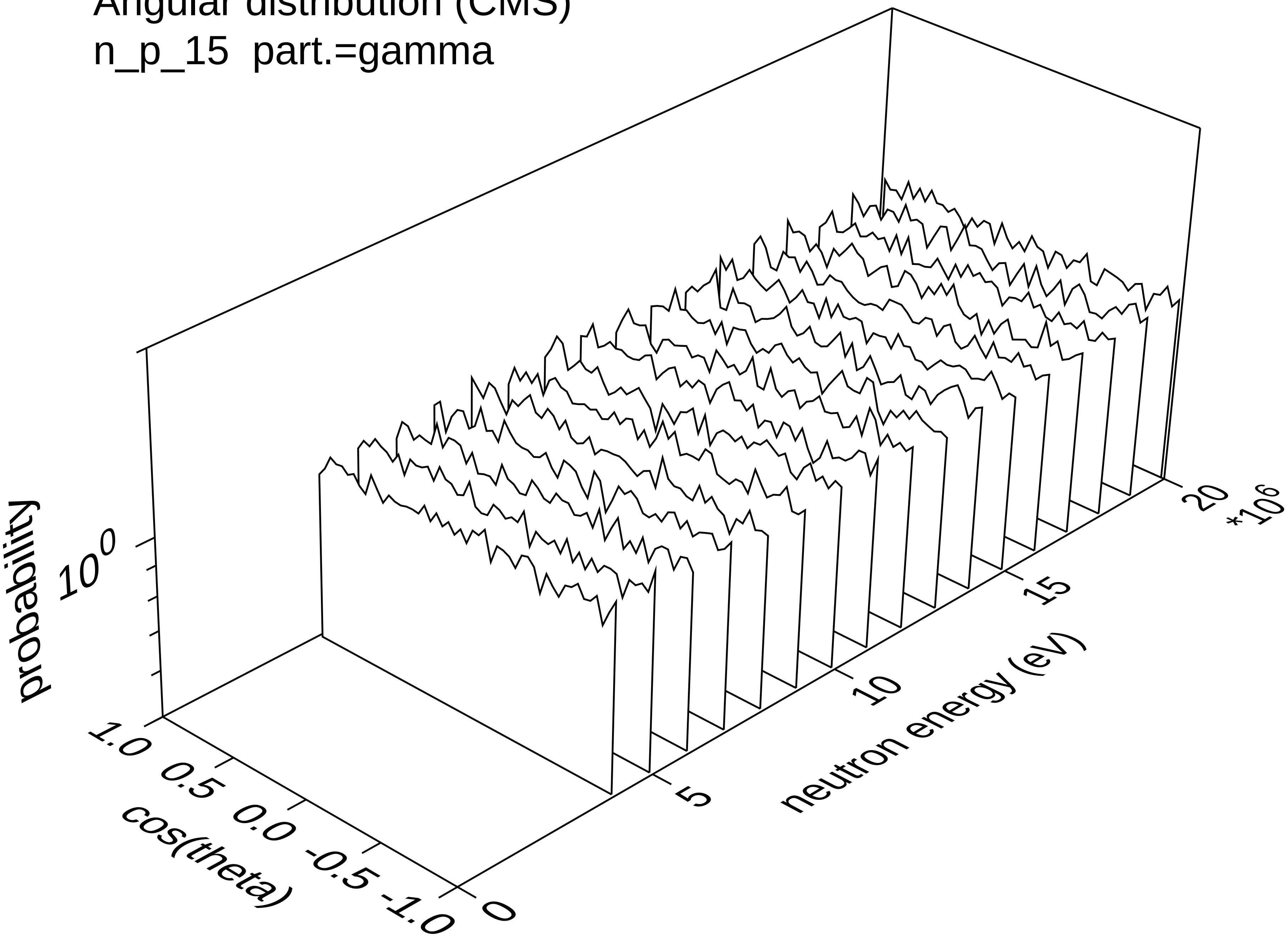
Angular distribution (CMS)
n_p_14 part.=gamma



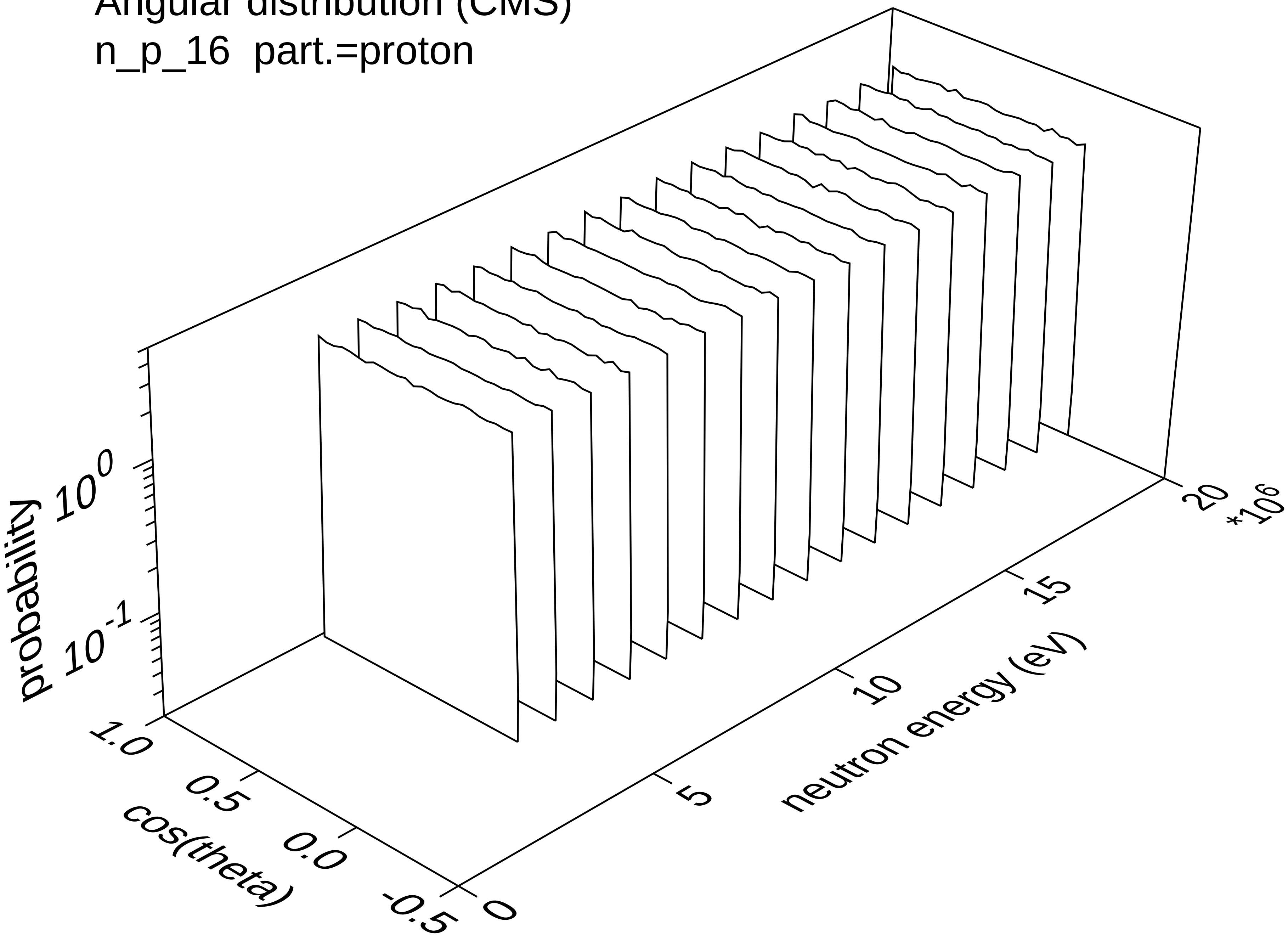
Angular distribution (CMS)
n_p_15 part.=proton



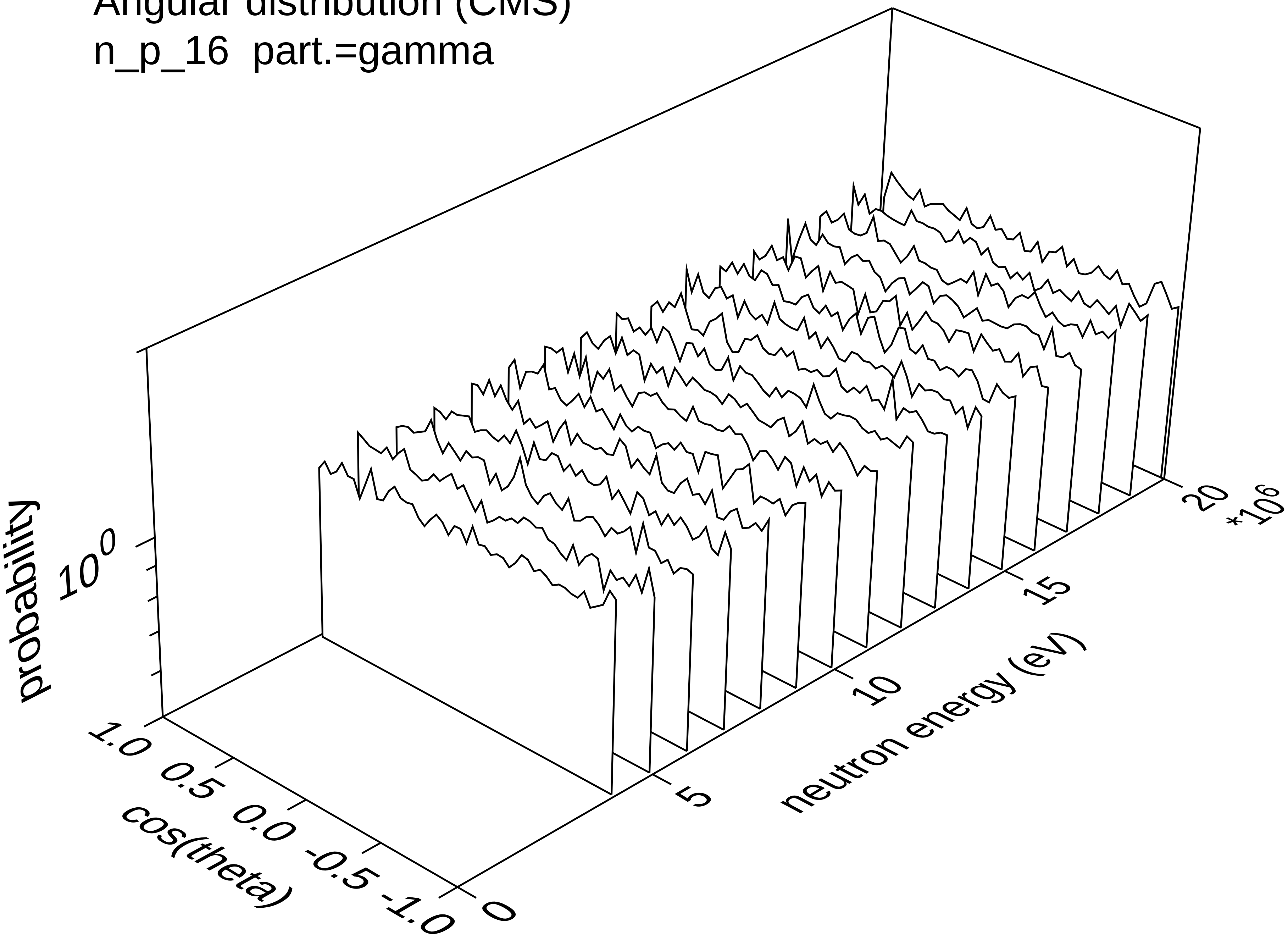
Angular distribution (CMS)
n_p_15 part.=gamma



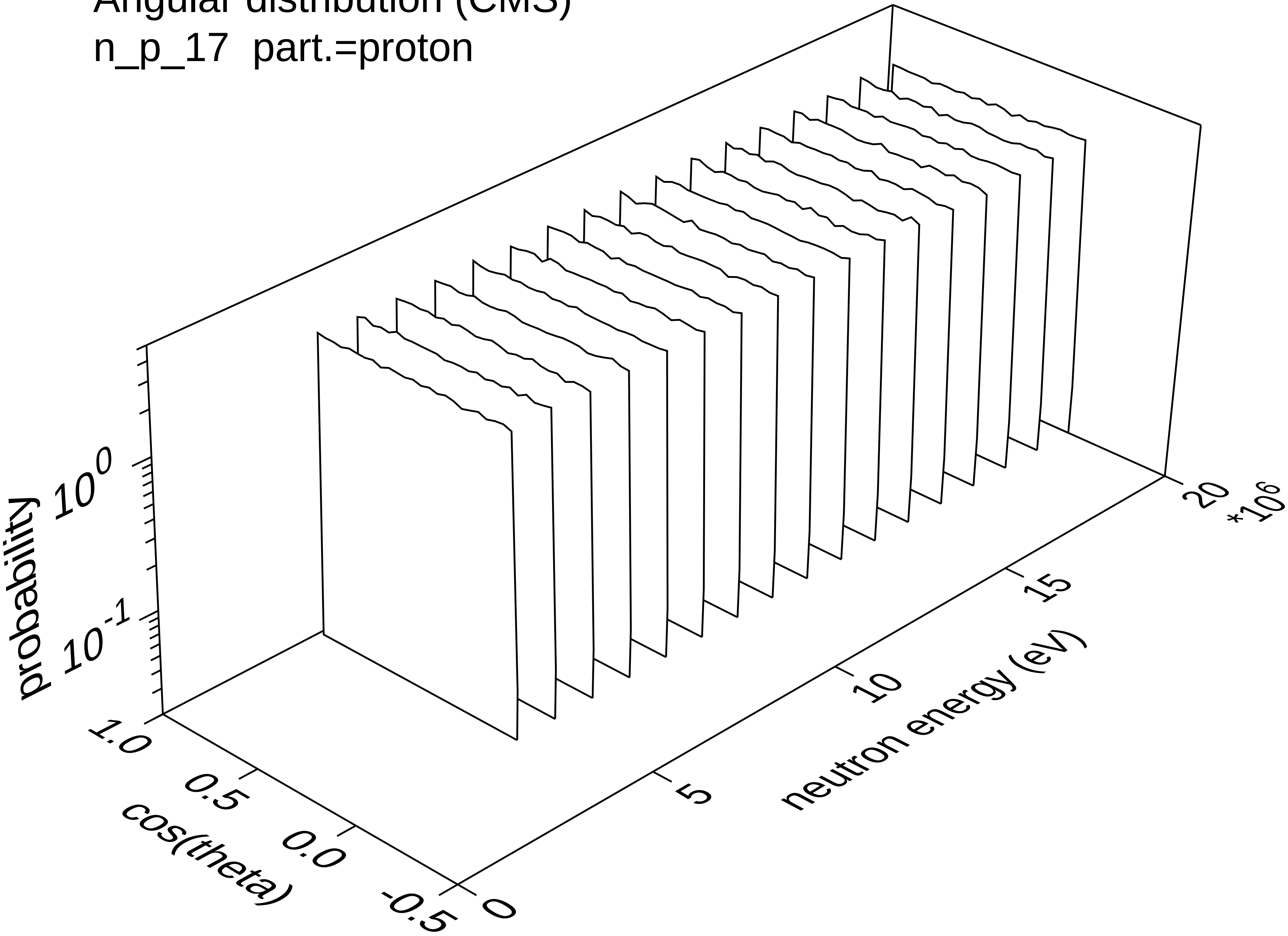
Angular distribution (CMS)
n_p_16 part.=proton



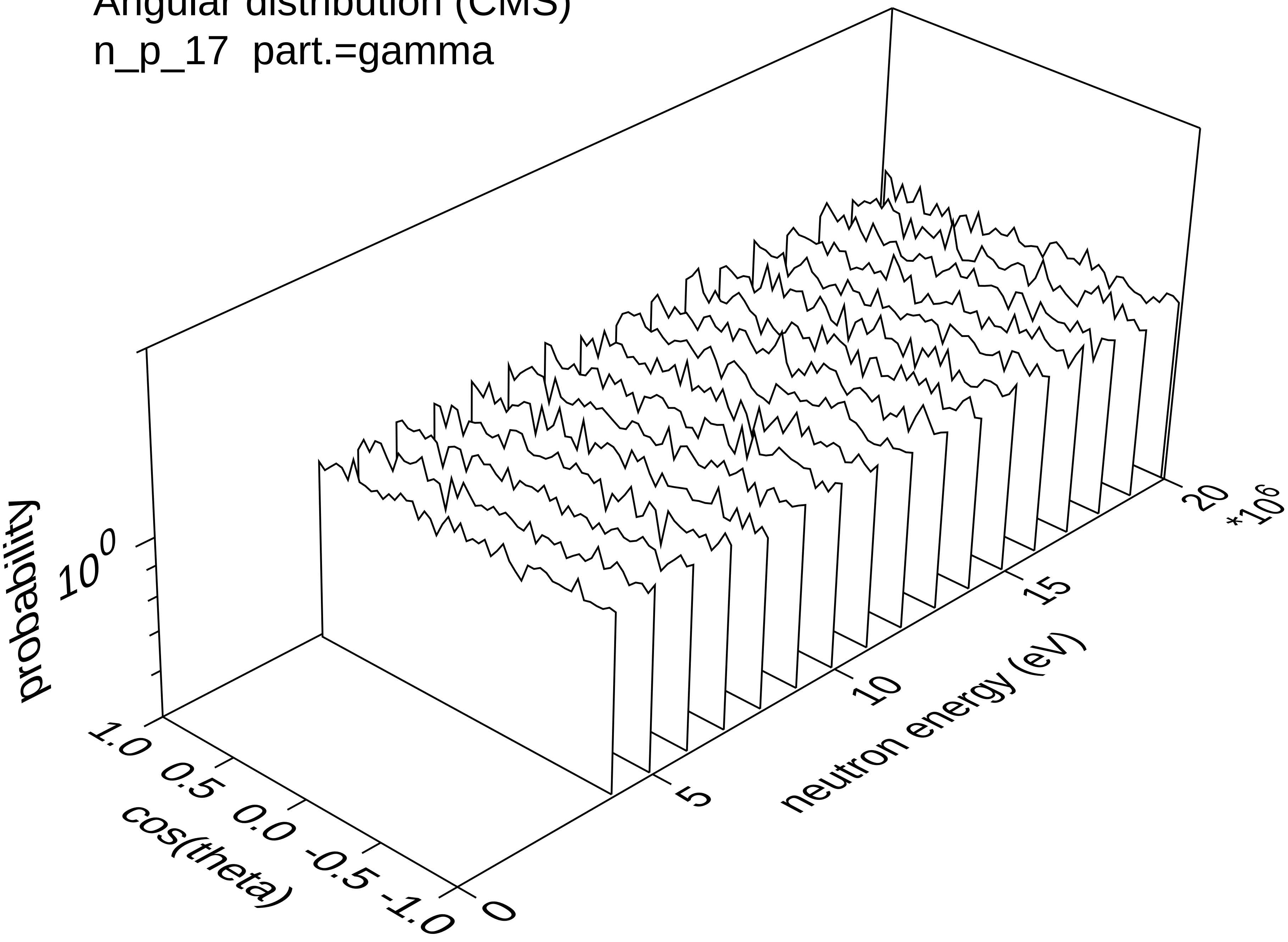
Angular distribution (CMS)
n_p_16 part.=gamma

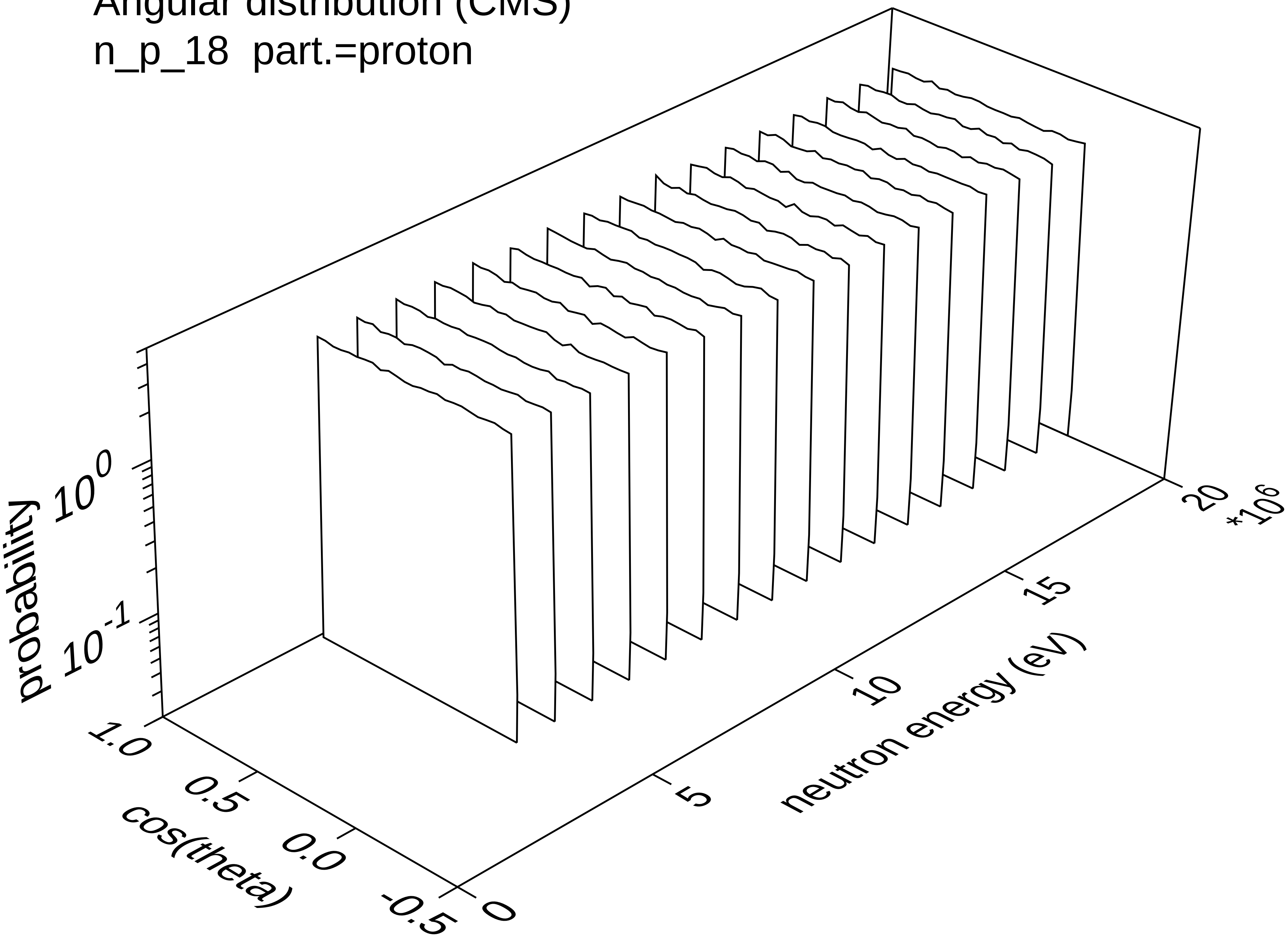


Angular distribution (CMS)
n_p_17 part.=proton



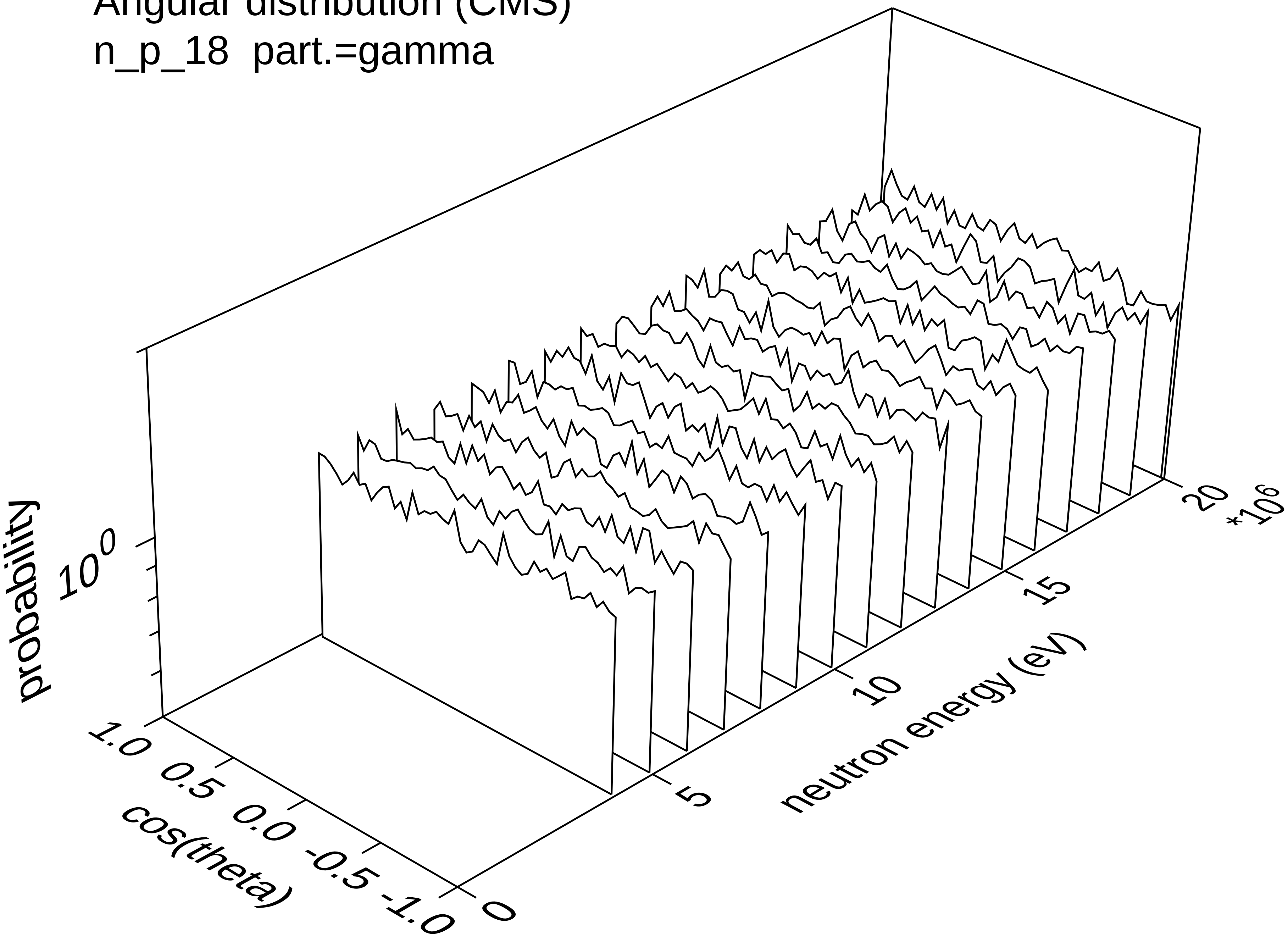
Angular distribution (CMS)
n_p_17 part.=gamma



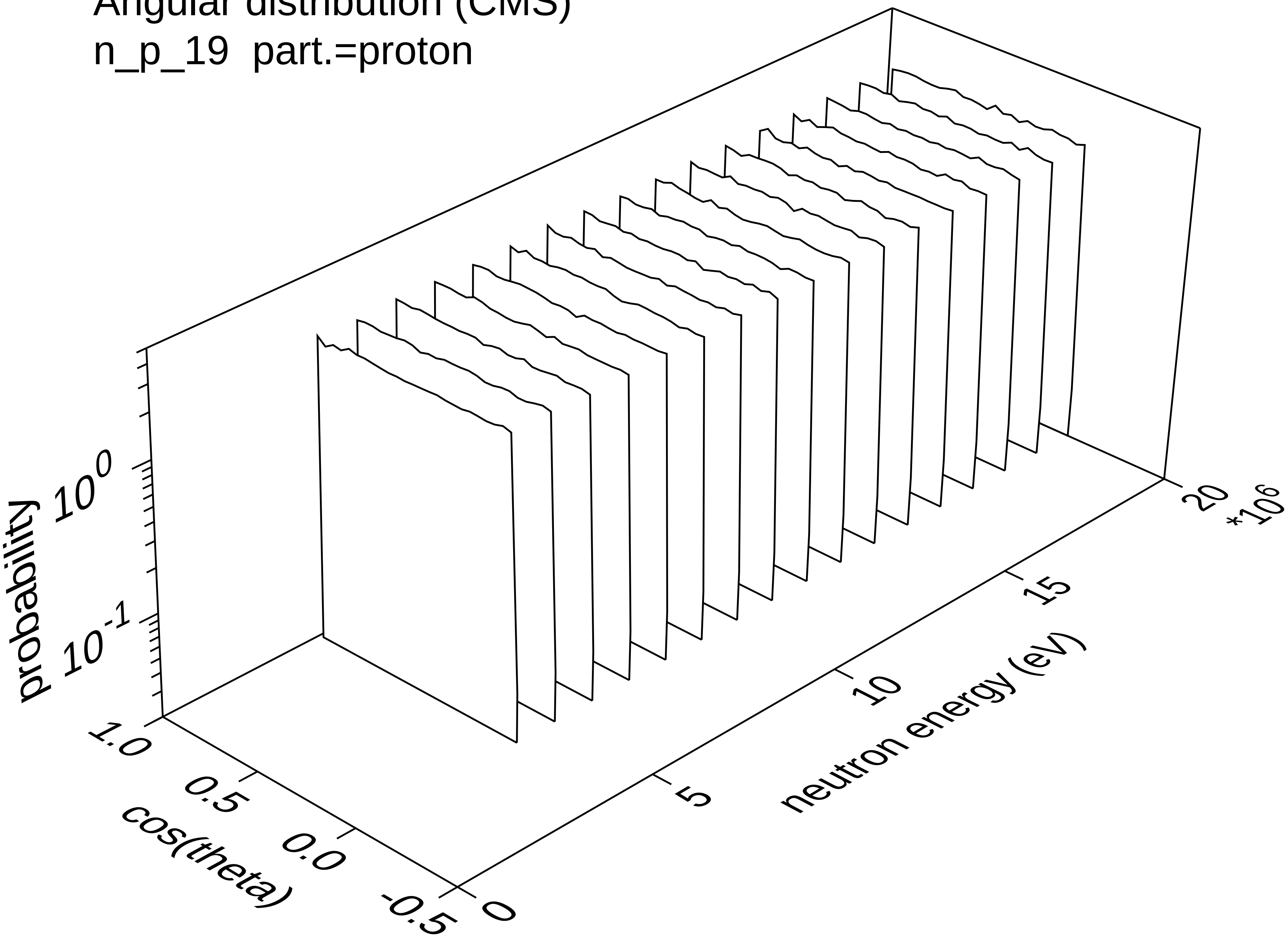


Angular distribution (CMS)
n_p_18 part.=proton

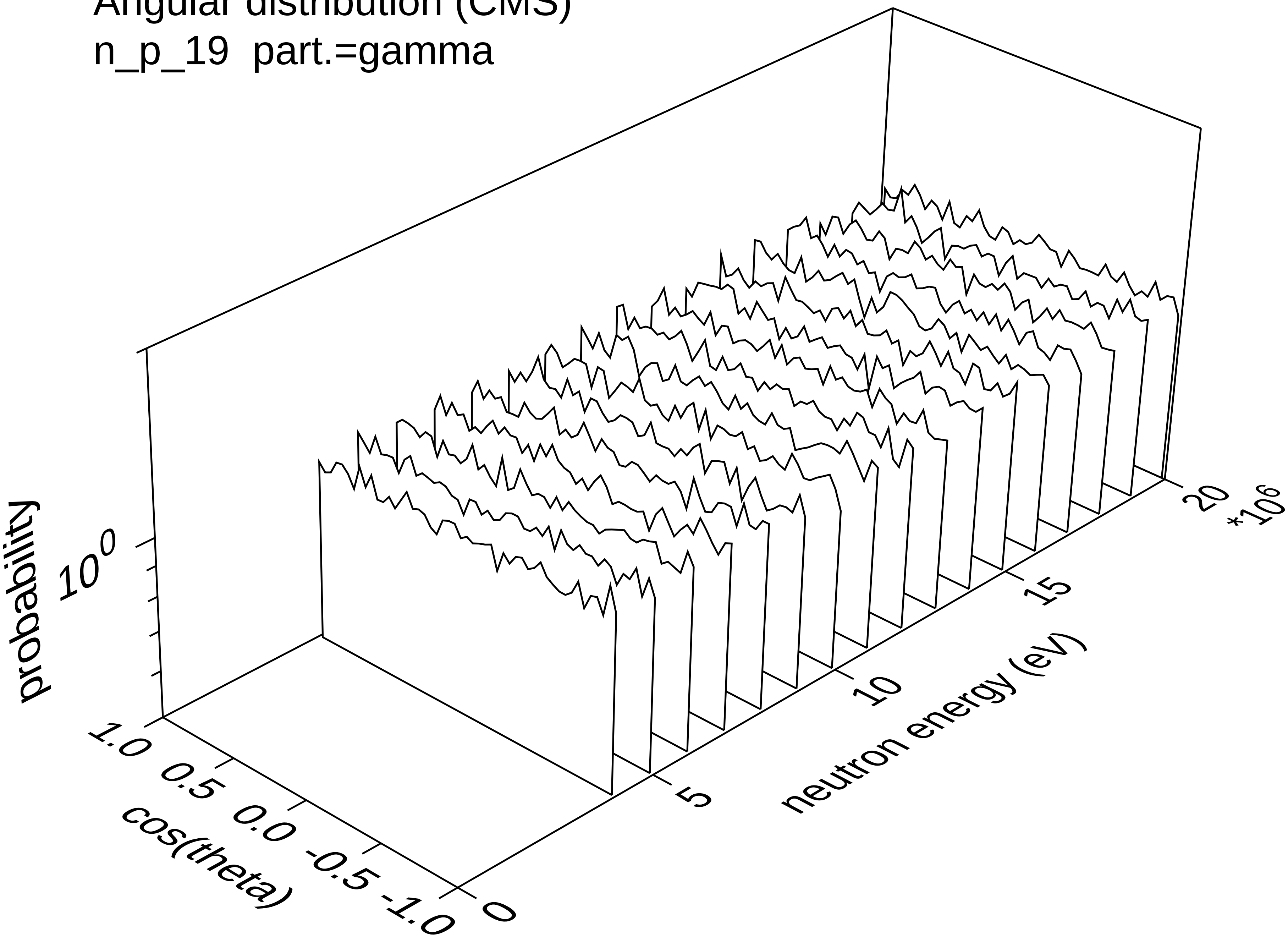
Angular distribution (CMS)
n_p_18 part.=gamma



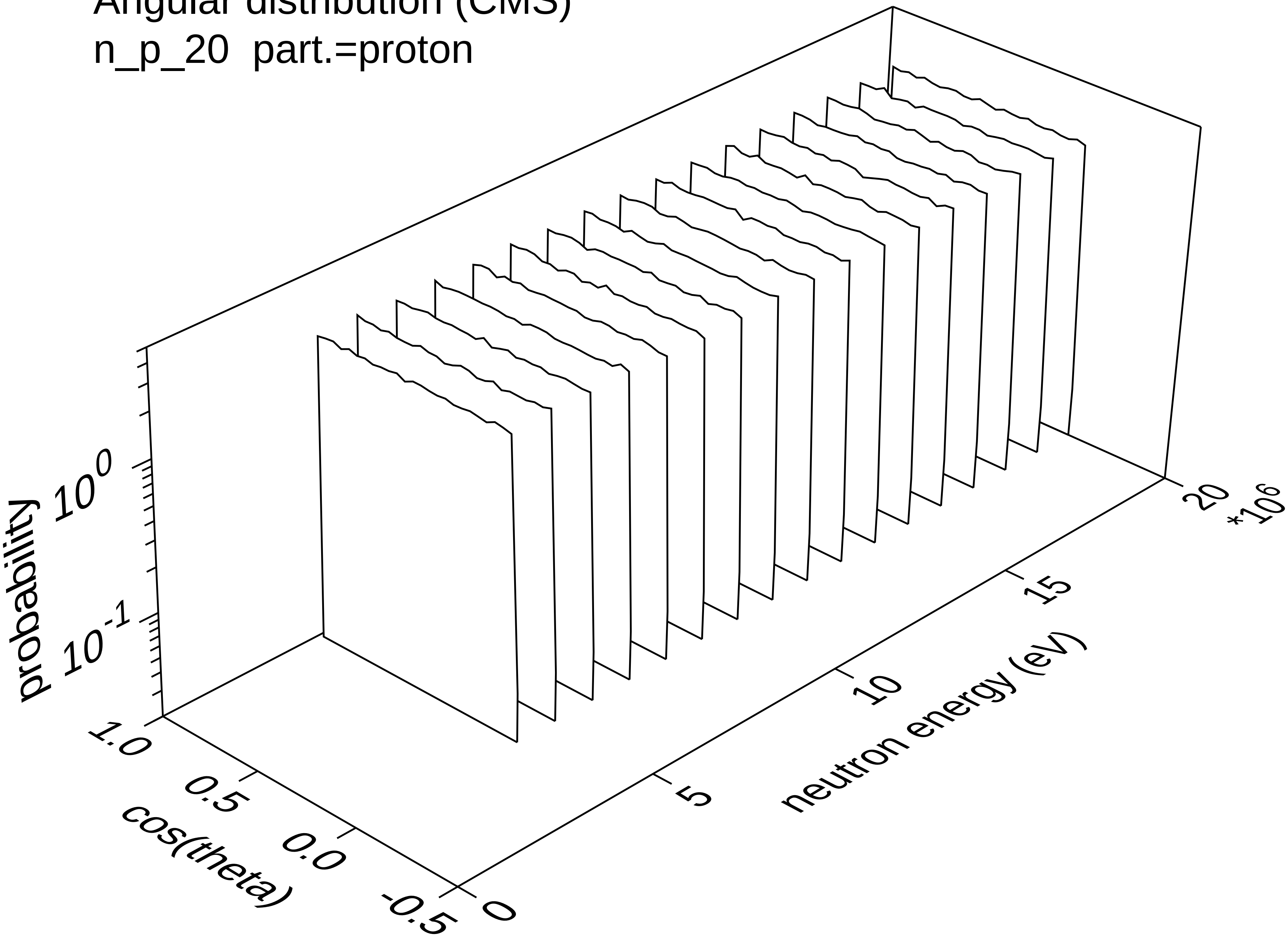
Angular distribution (CMS)
n_p_19 part.=proton



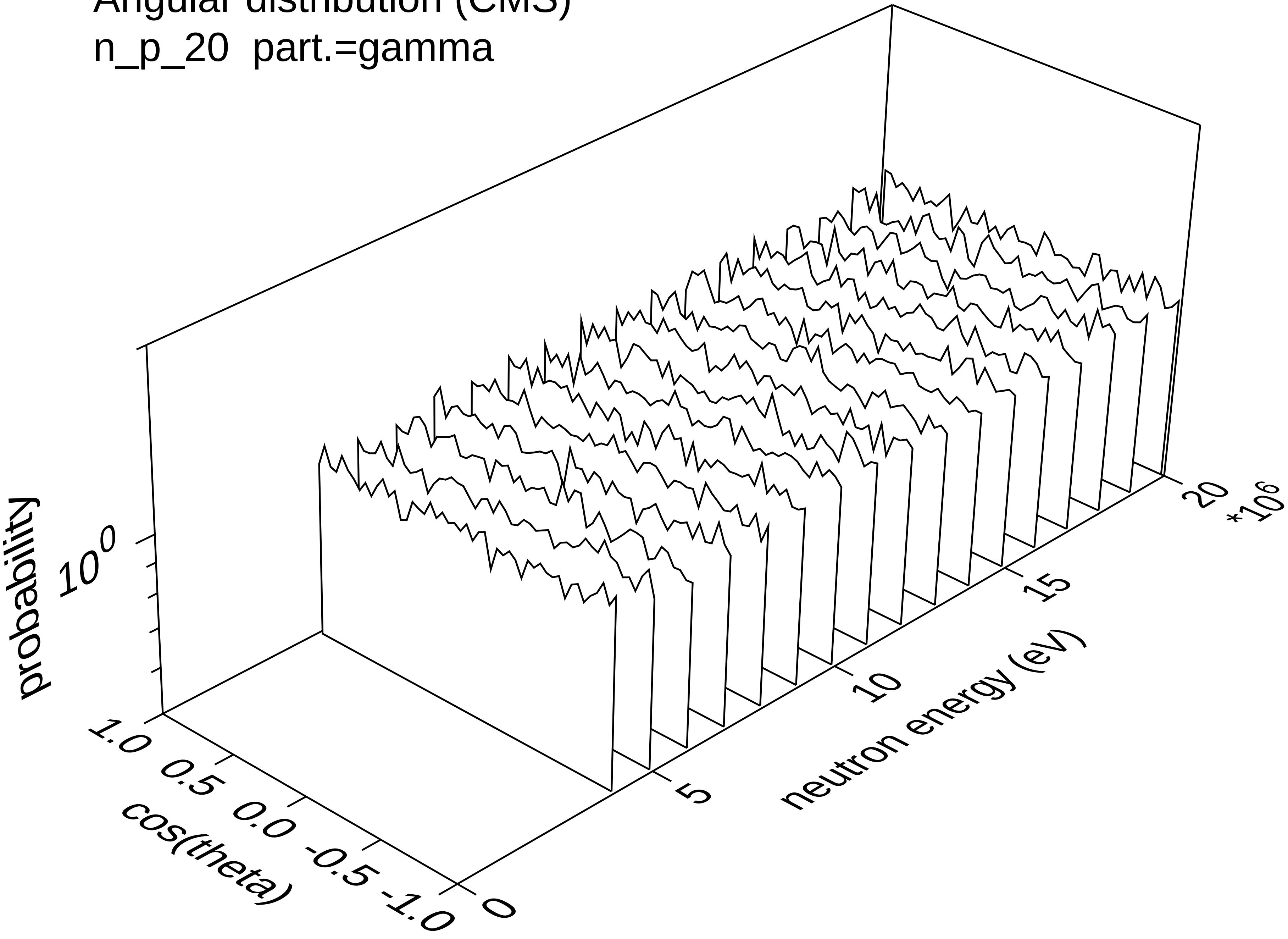
Angular distribution (CMS)
n_p_19 part.=gamma



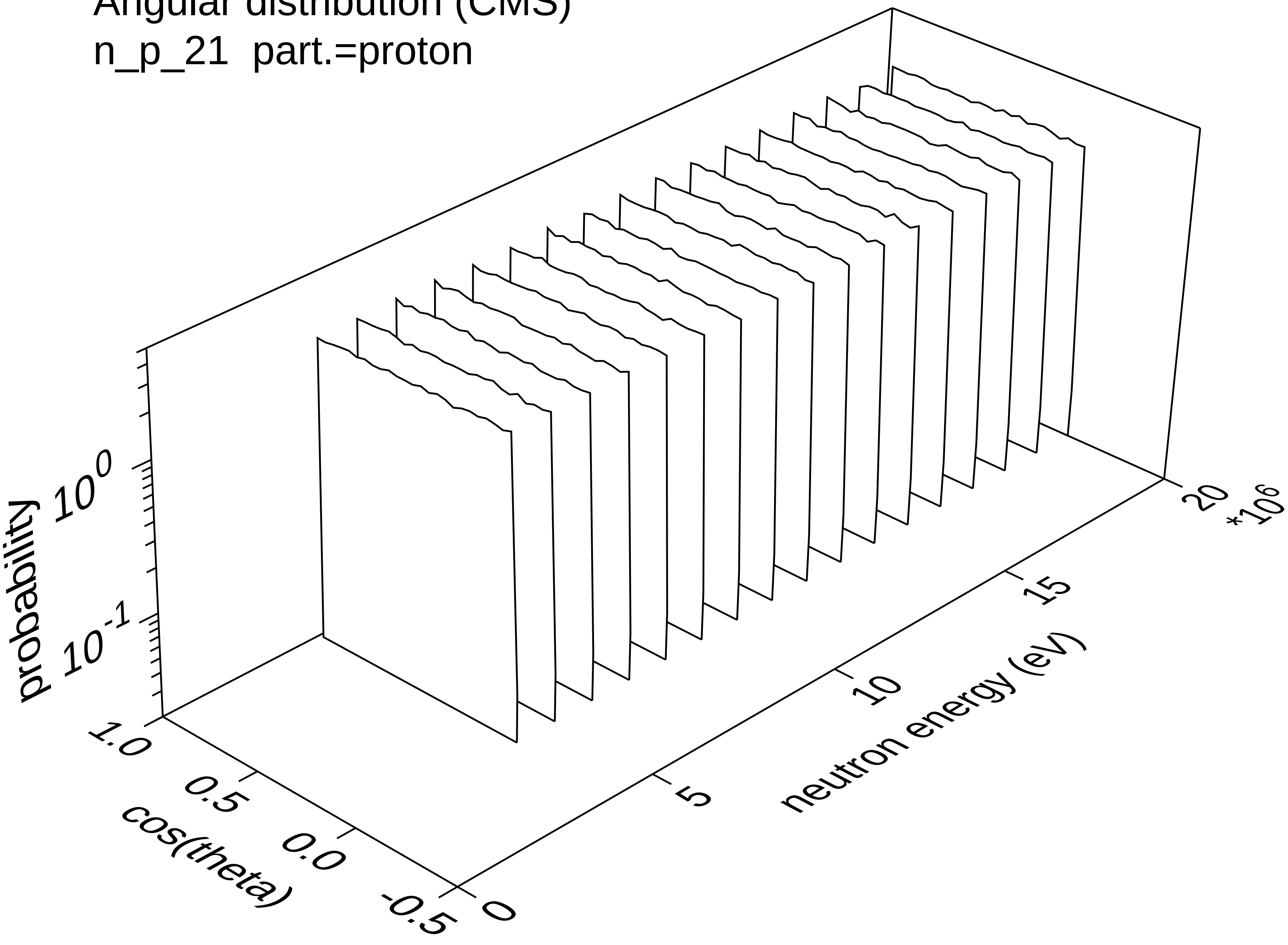
Angular distribution (CMS)
n_p_20 part.=proton



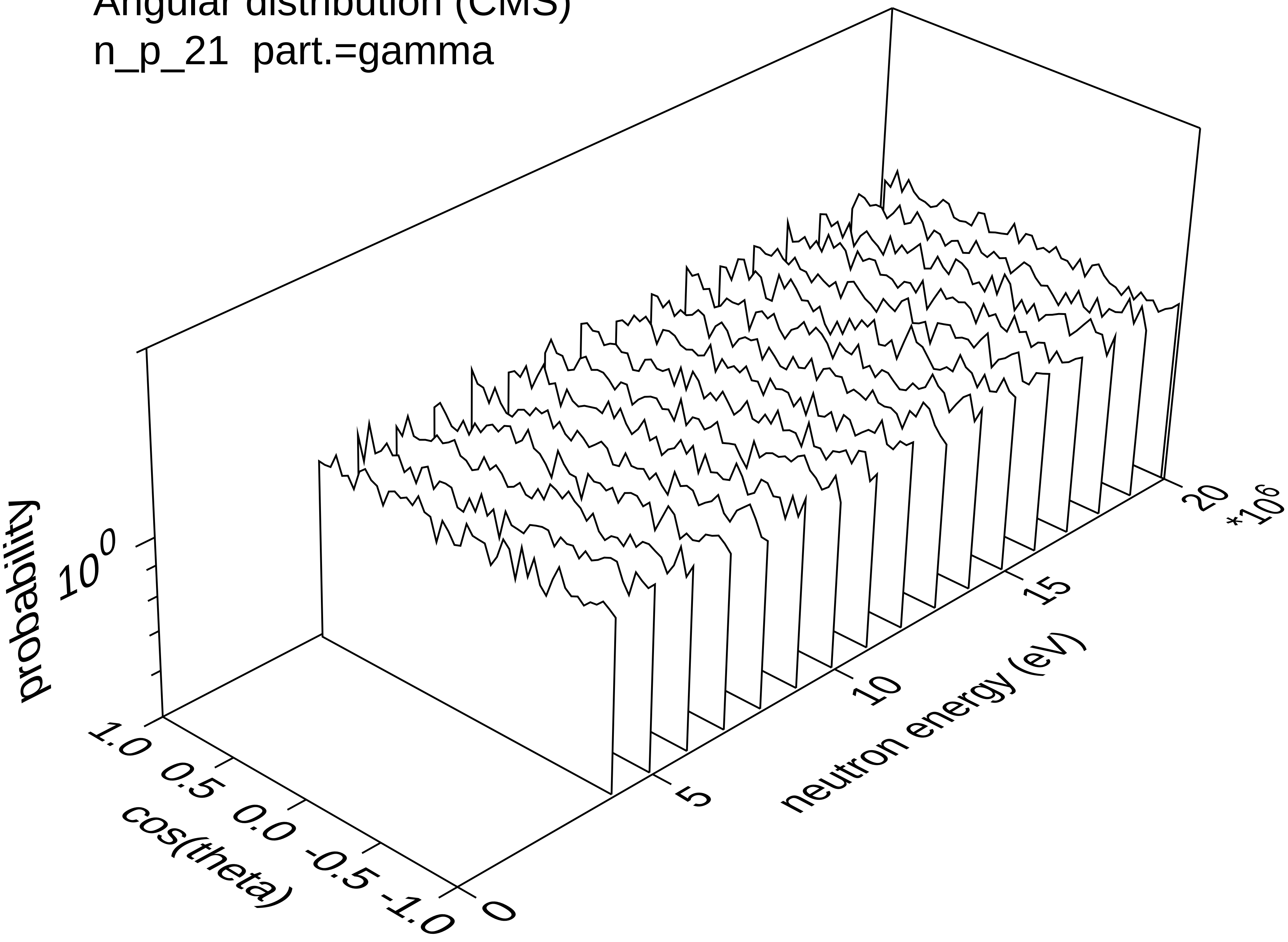
Angular distribution (CMS)
n_p_20 part.=gamma



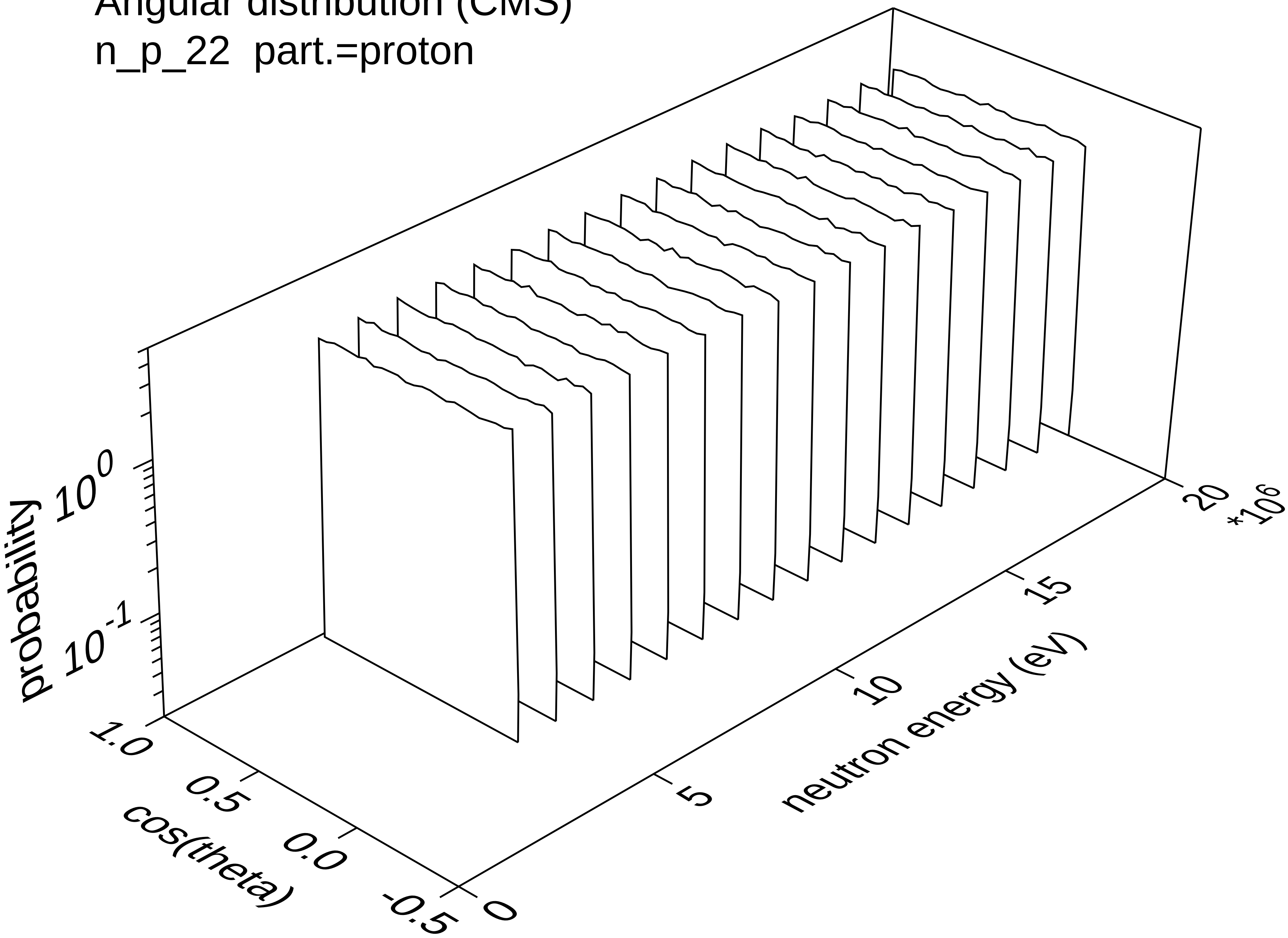
Angular distribution (CMS)
n_p_21 part.=proton



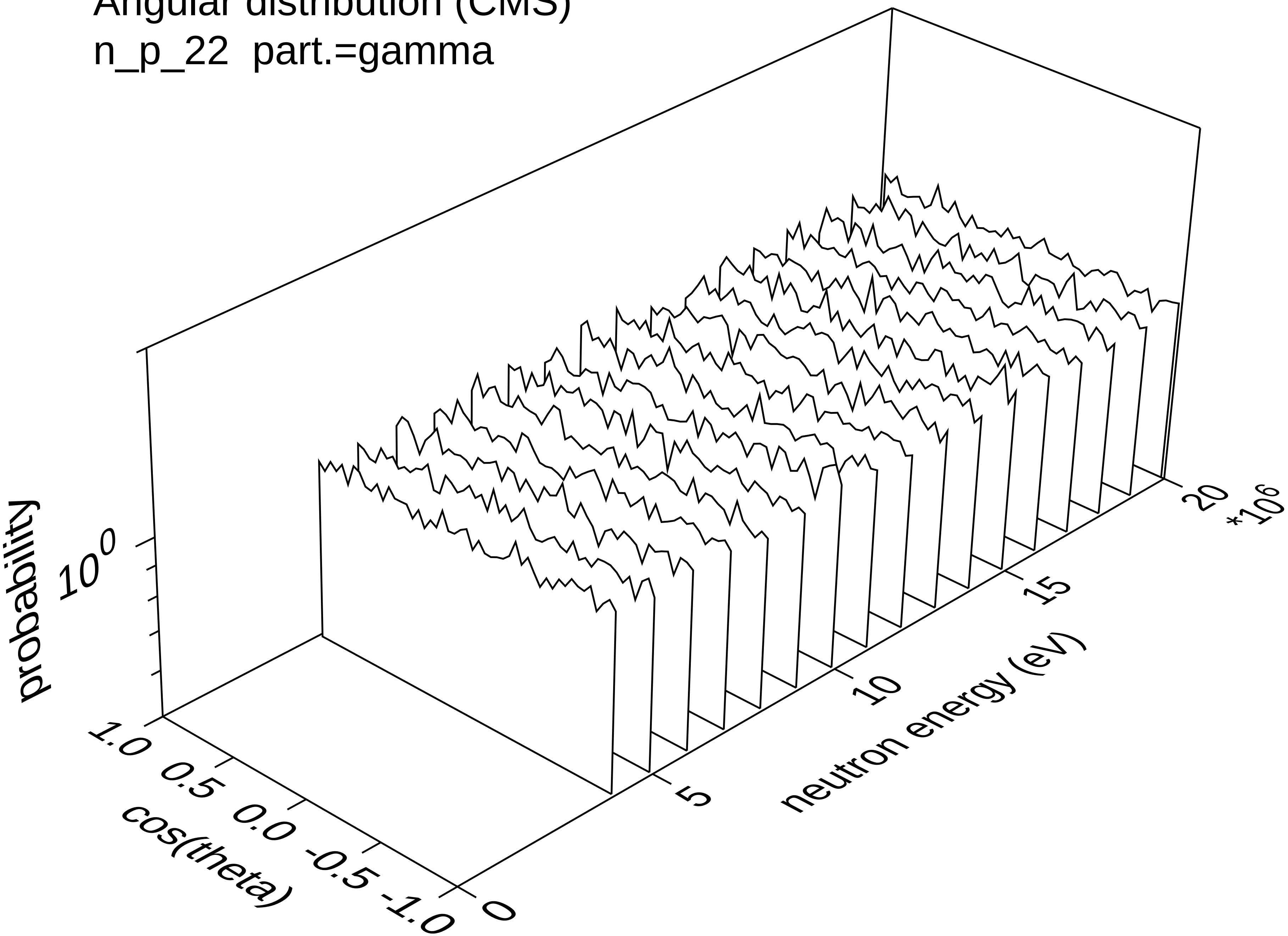
Angular distribution (CMS)
n_p_21 part.=gamma

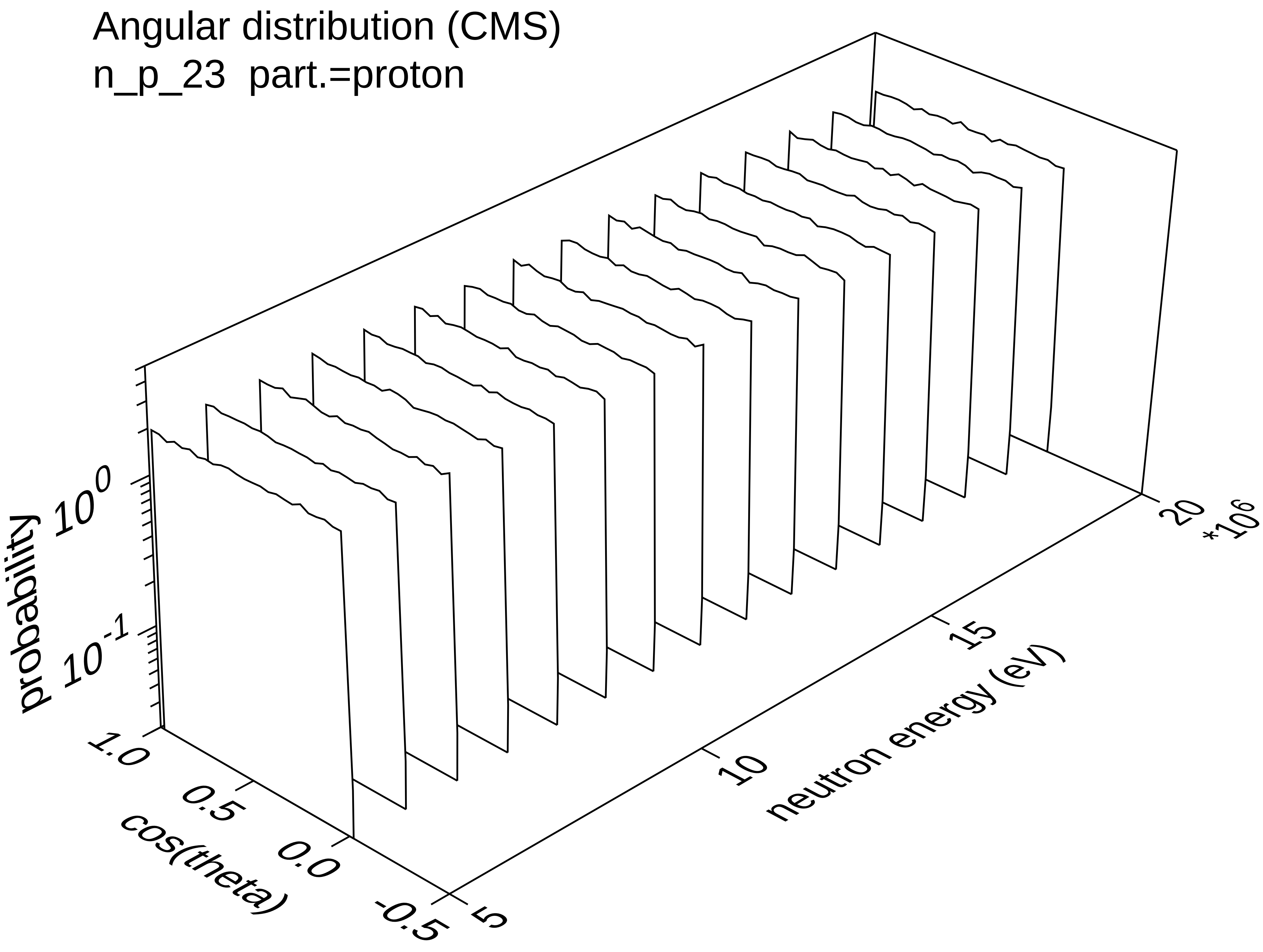


Angular distribution (CMS)
n_p_22 part.=proton

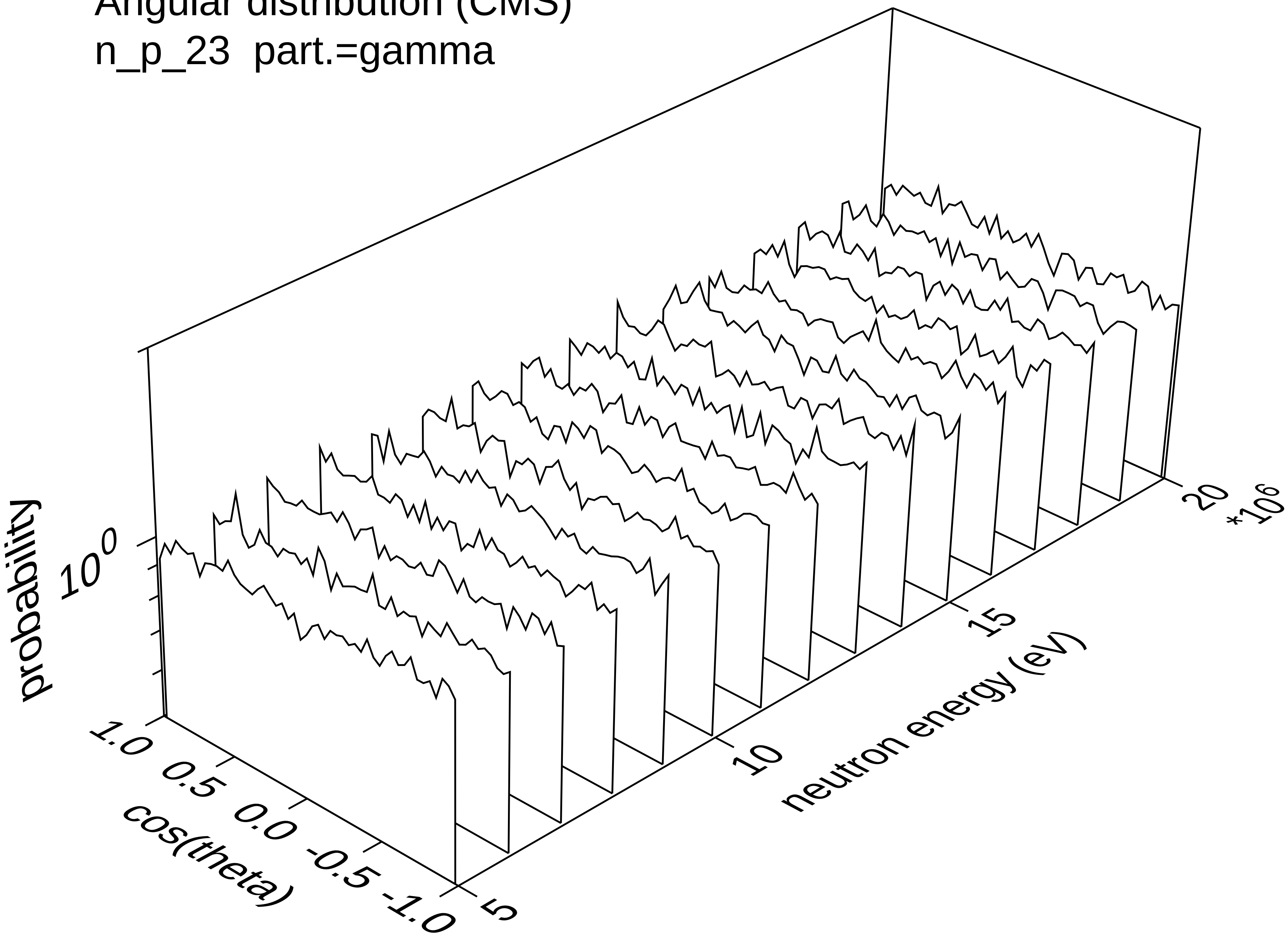


Angular distribution (CMS)
n_p_22 part.=gamma

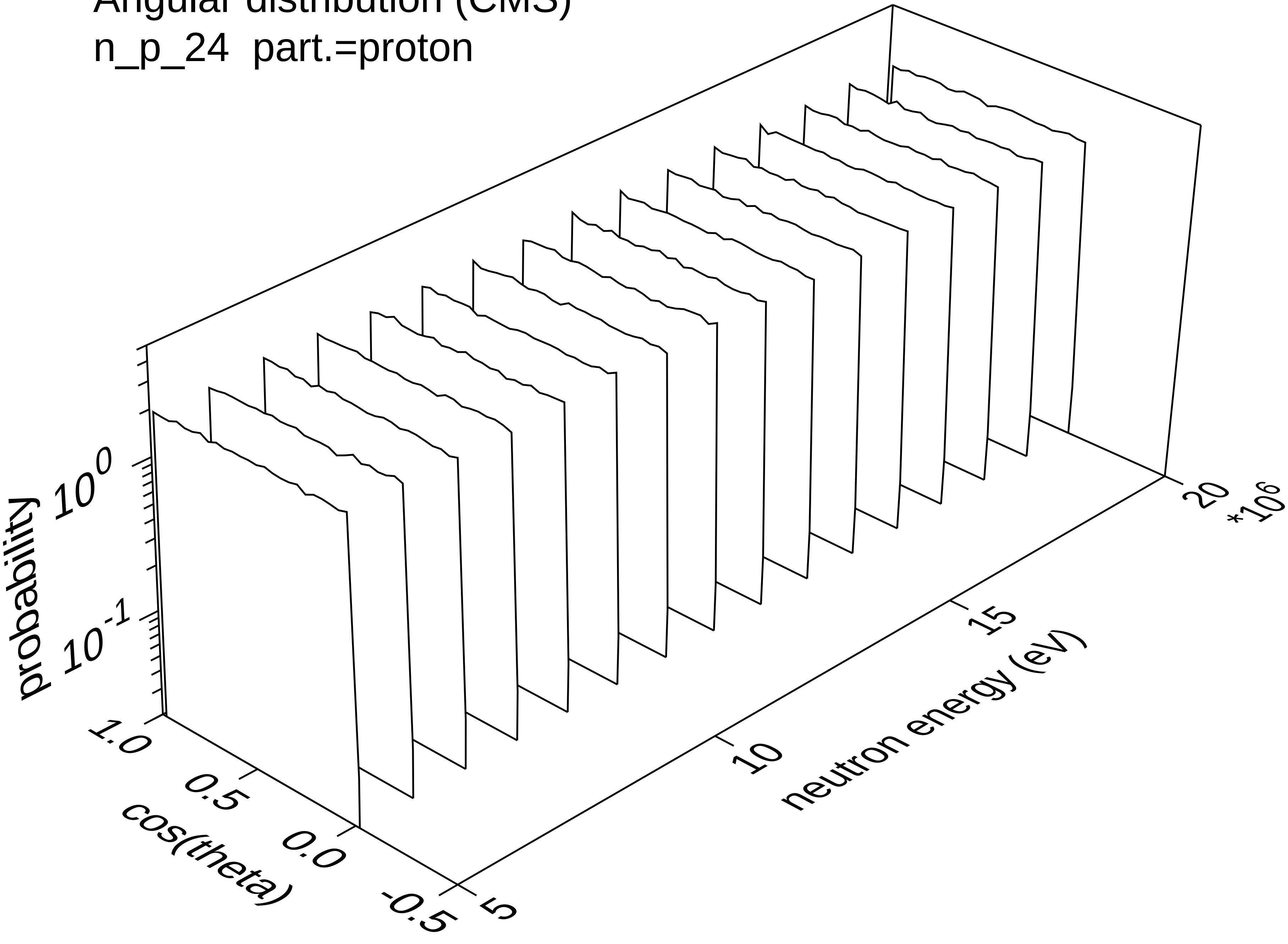



Angular distribution (CMS)
n_p_23 part.=proton
probability
10^0
10^{-1}
1.0
0.5
0.0
-0.5
cos(theta)
5
10
15
20
$*10^6$
neutron energy (eV)

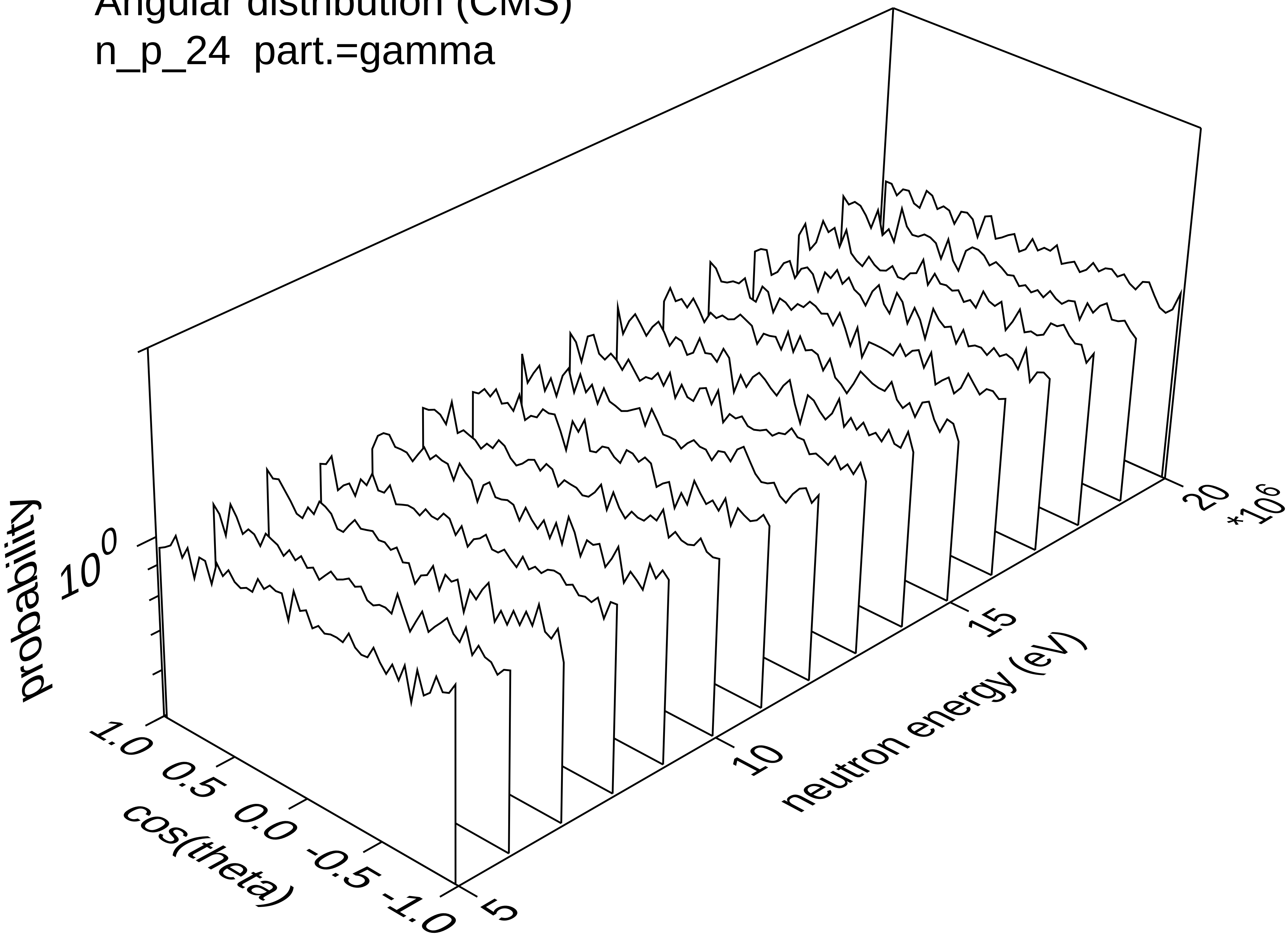
Angular distribution (CMS)
n_p_23 part.=gamma

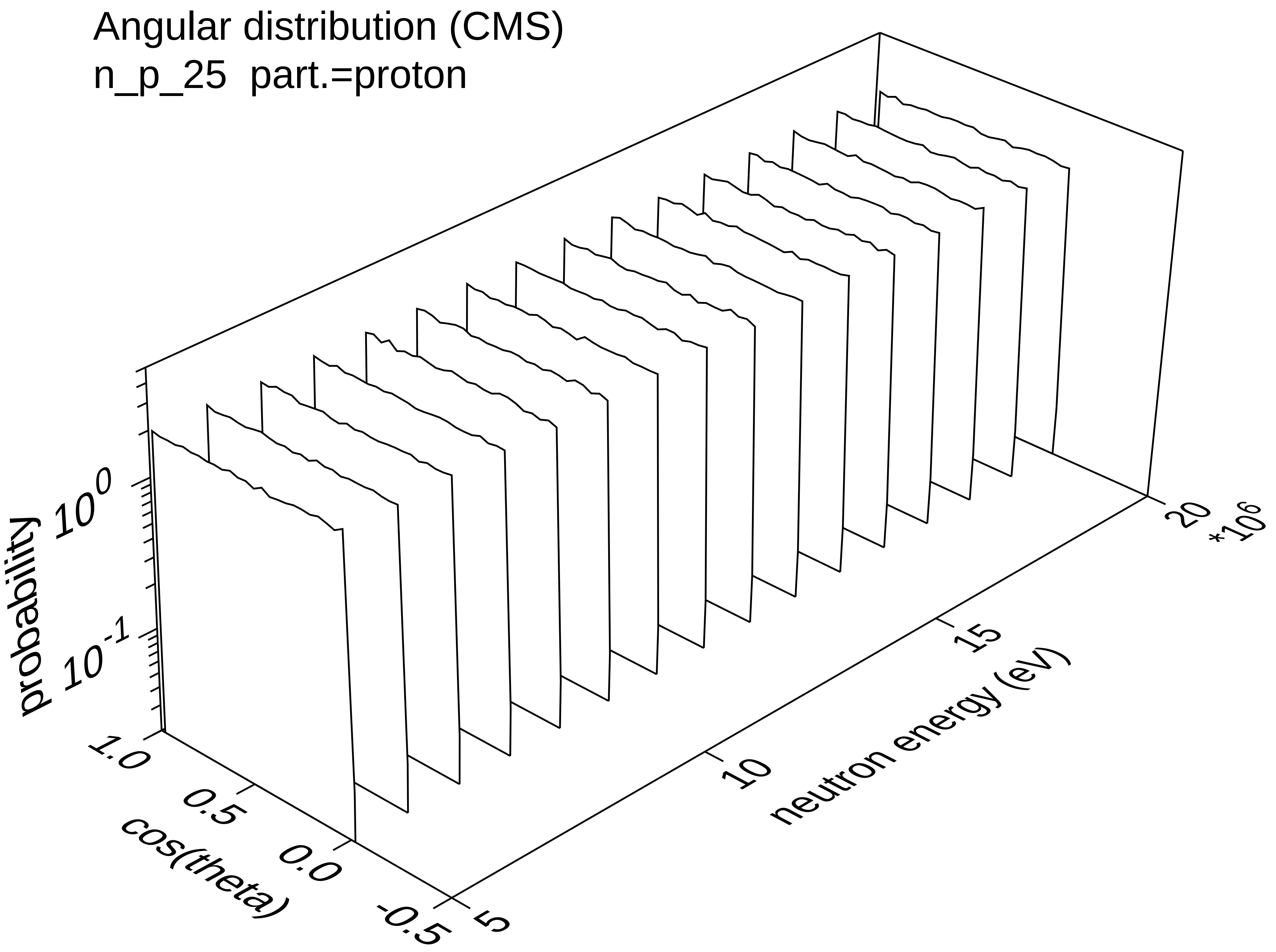


Angular distribution (CMS)
n_p_24 part.=proton

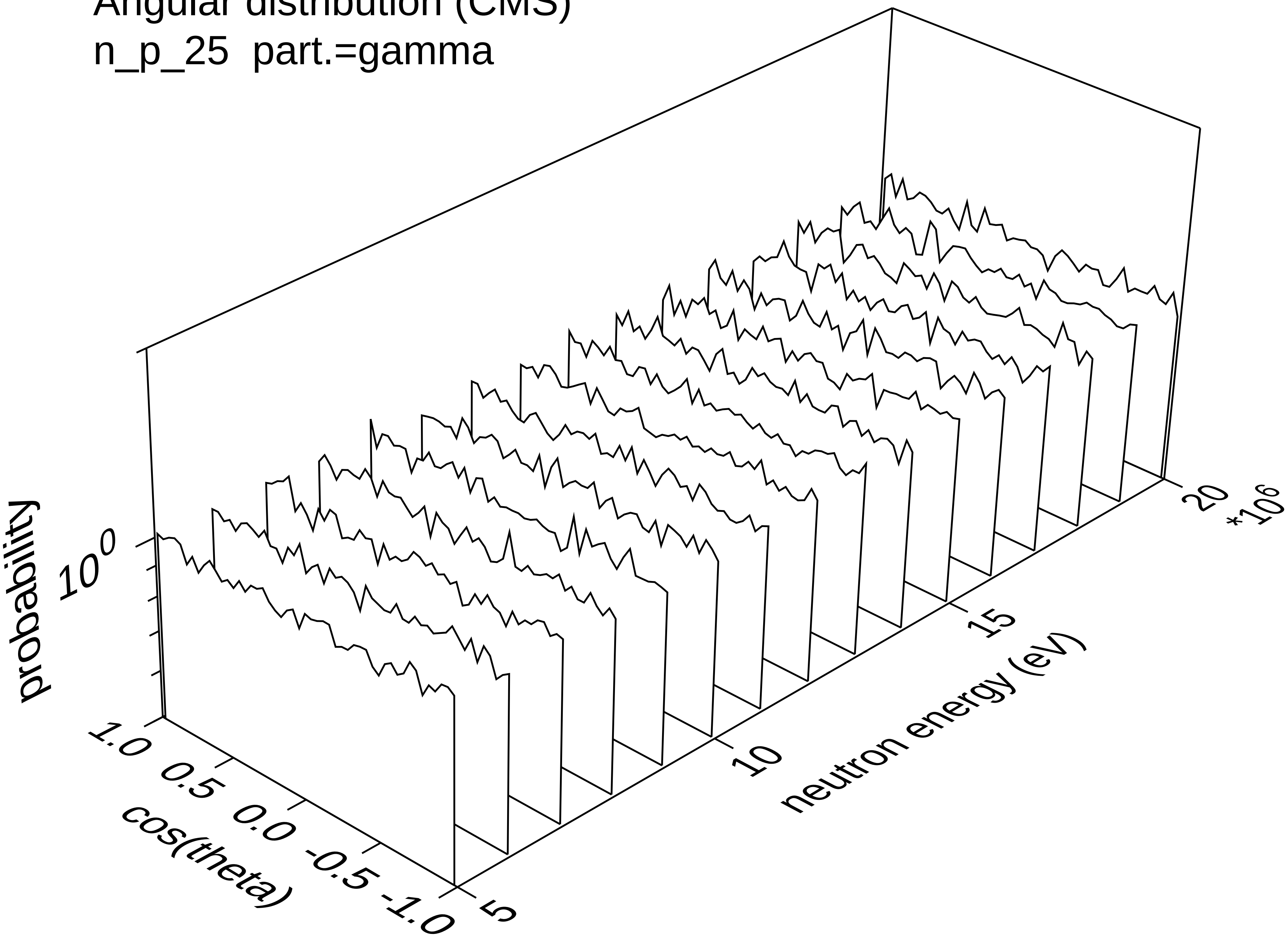


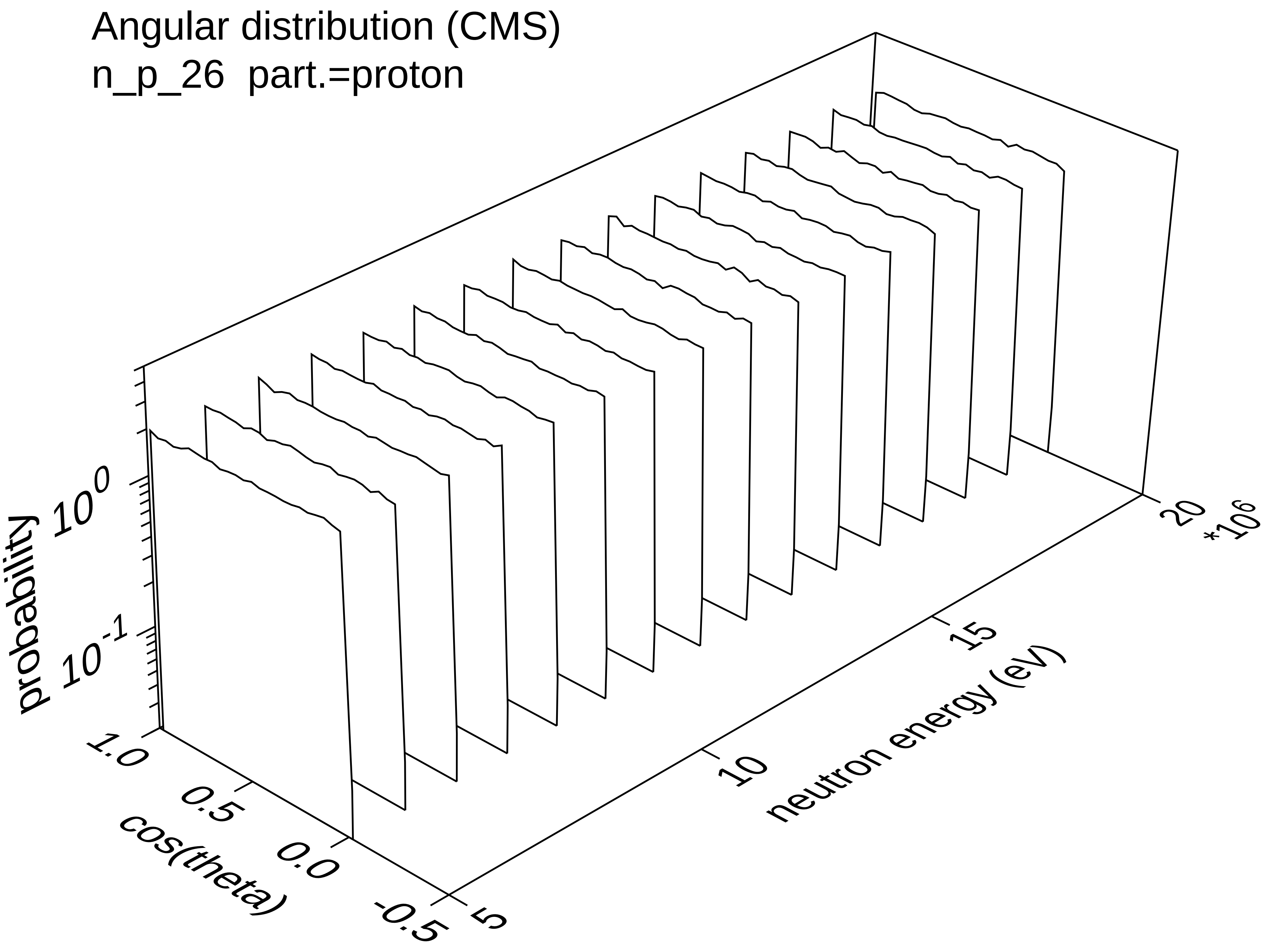
Angular distribution (CMS)
n_p_24 part.=gamma



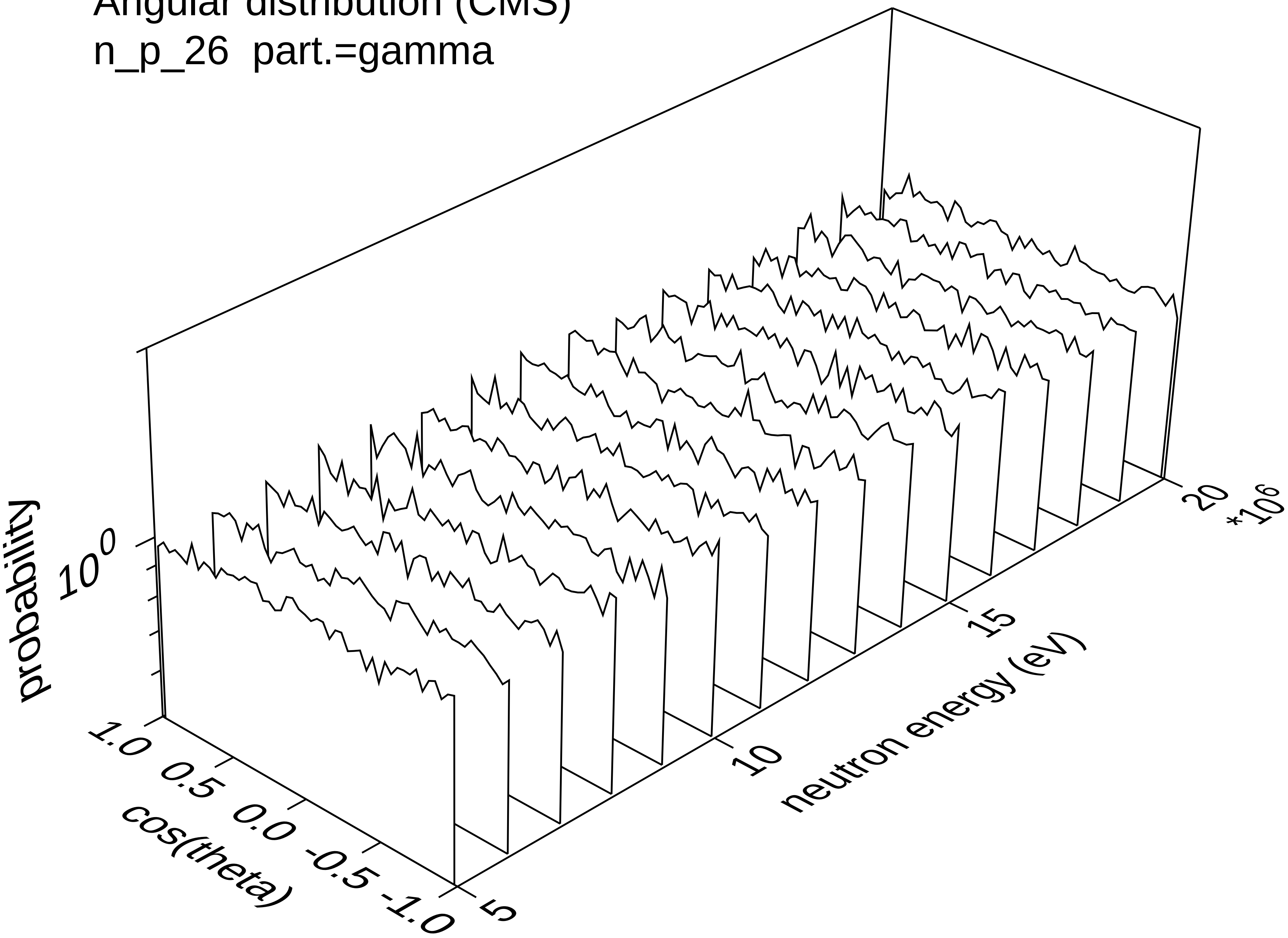

Angular distribution (CMS)
n_p_25 part.=proton
probability
10^0
10^-1
1.0
0.5
0.0
-0.5
cos(theta)
5
10
15
20
*10^6
neutron energy (eV)

Angular distribution (CMS)
n_p_25 part.=gamma

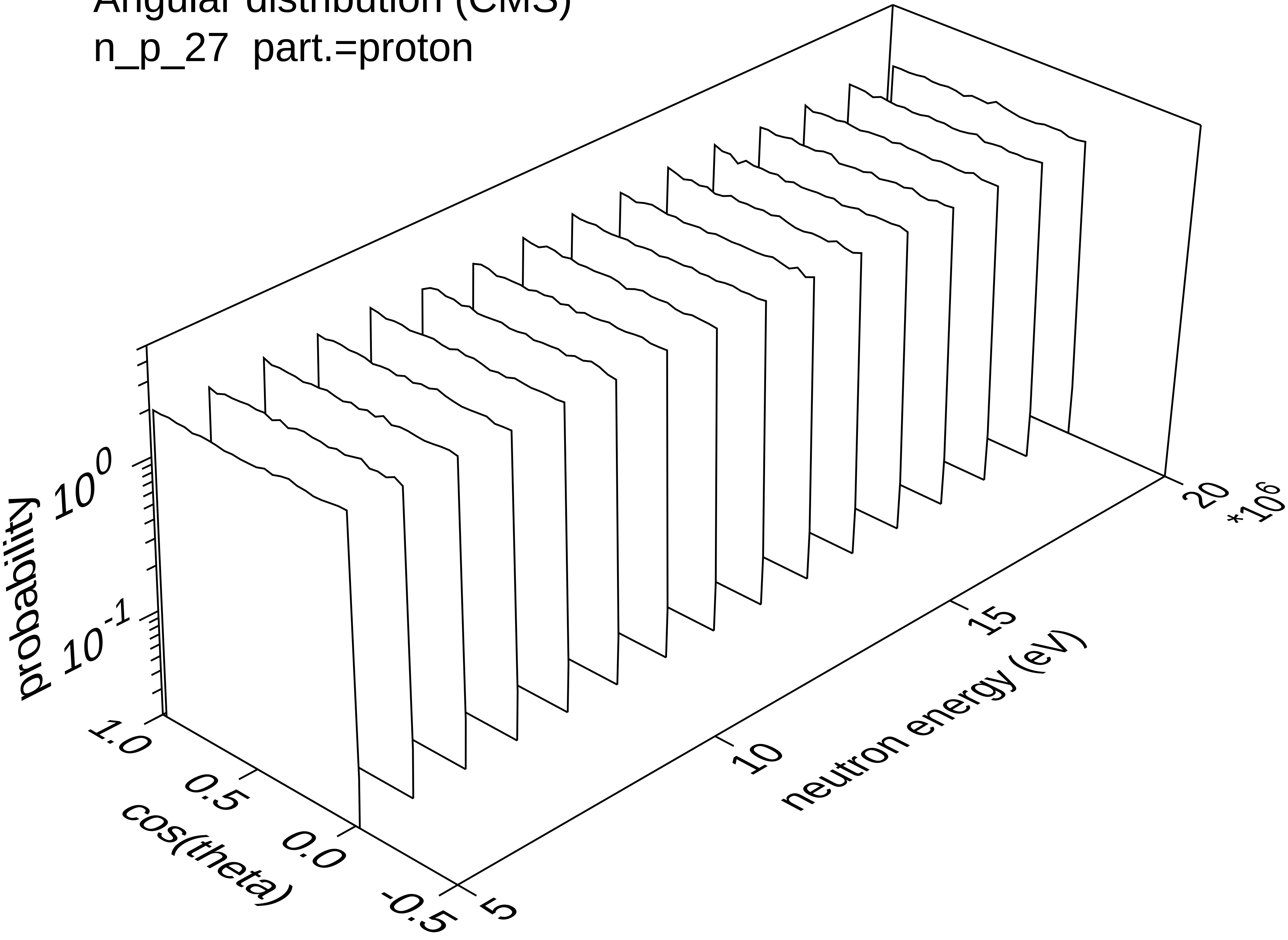



Angular distribution (CMS)
n_p_26 part.=proton
probability
10^0
10^{-1}
1.0
0.5
0.0
-0.5
cos(theta)
5
10
15
20
$*10^6$
neutron energy (eV)

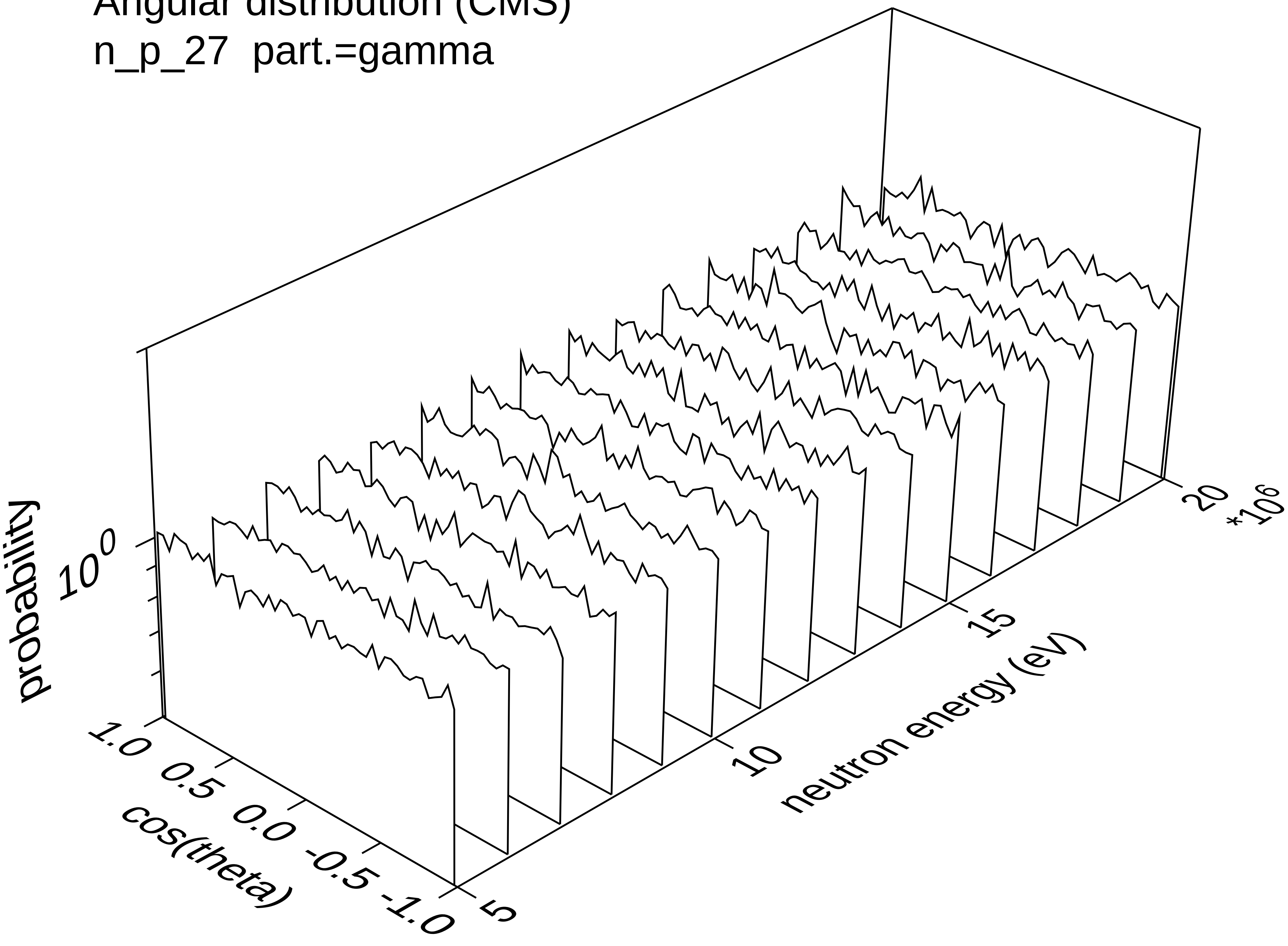
Angular distribution (CMS)
n_p_26 part.=gamma



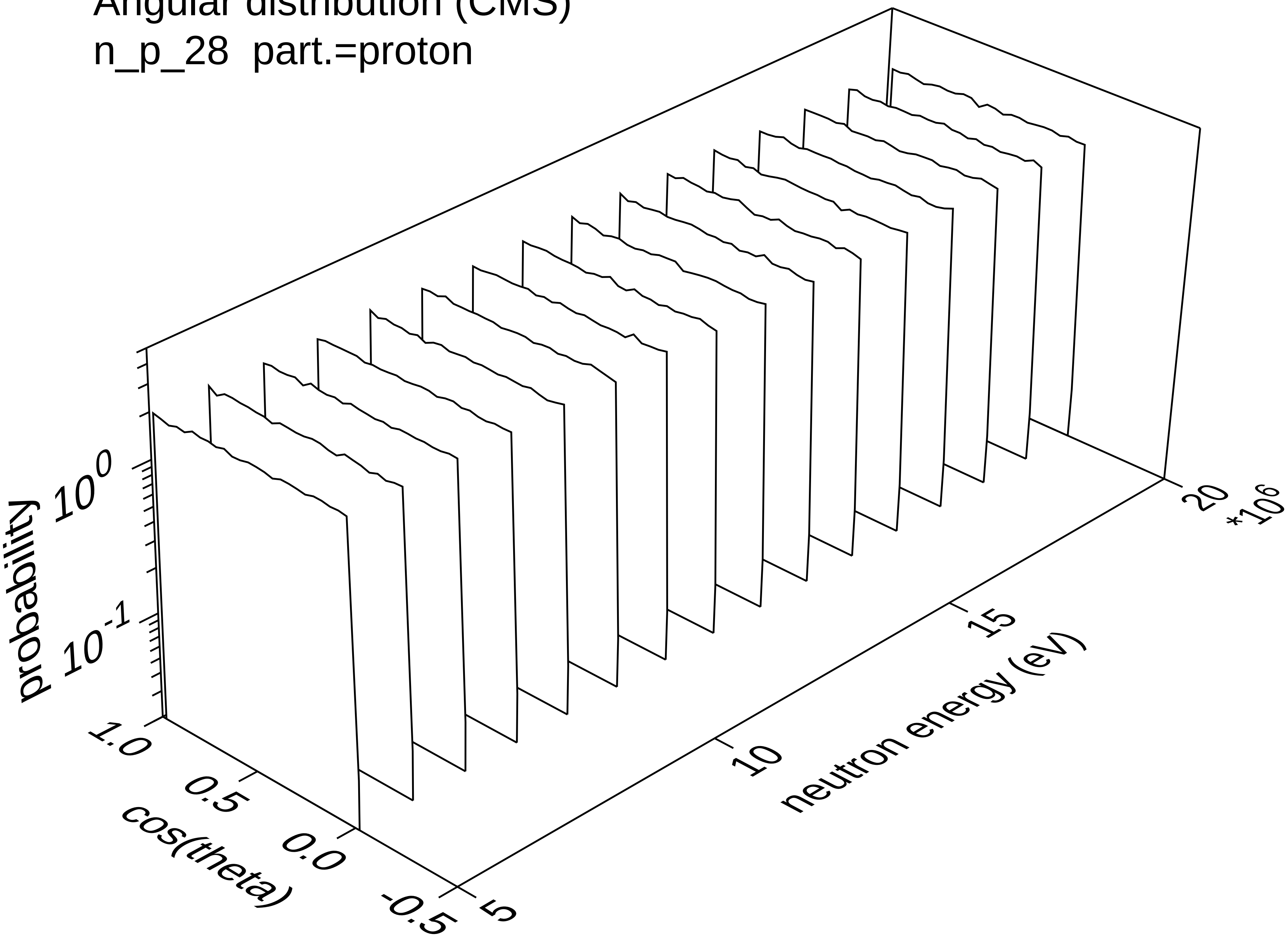
Angular distribution (CMS)
n_p_27 part.=proton



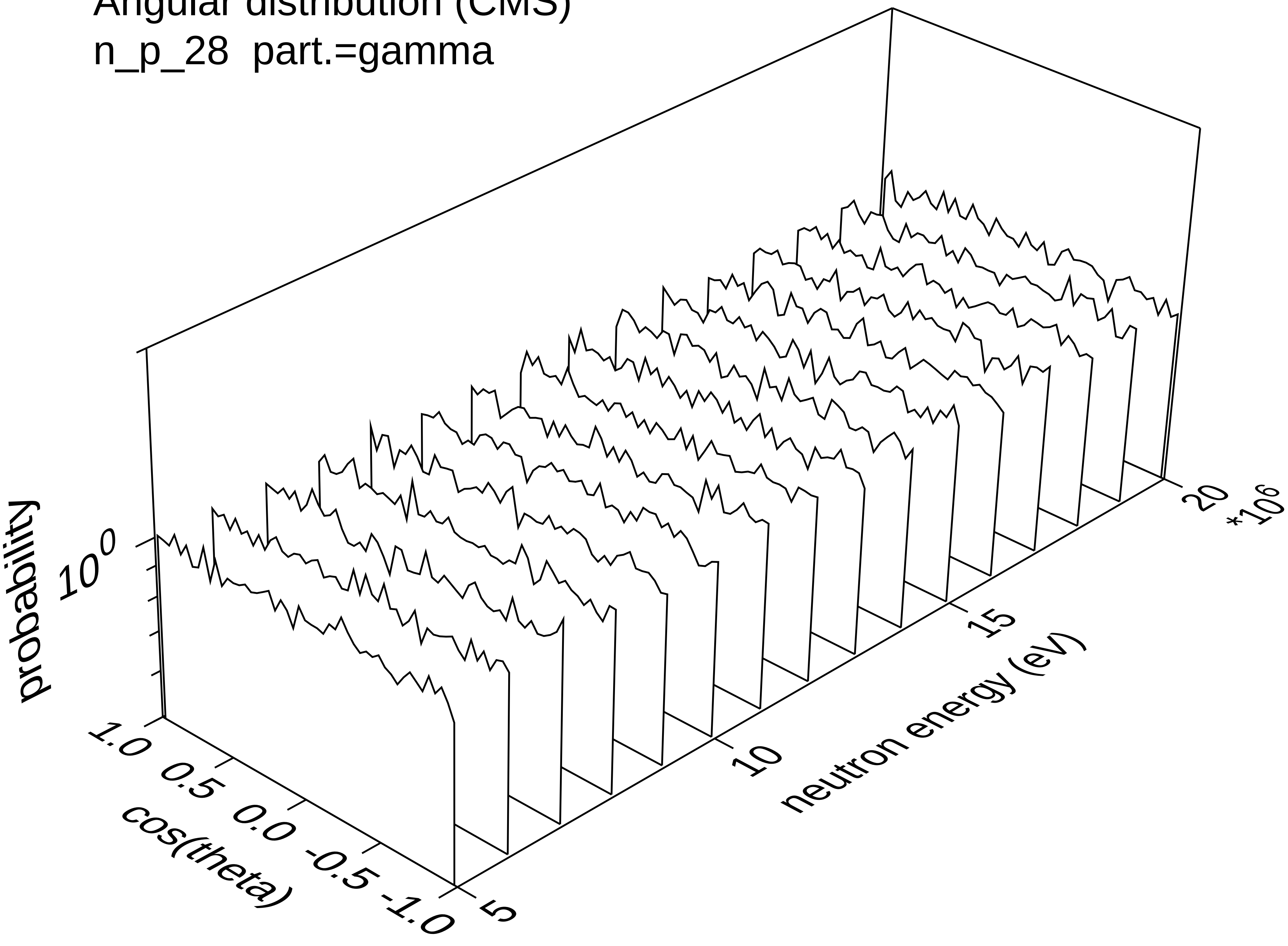
Angular distribution (CMS)
n_p_27 part.=gamma

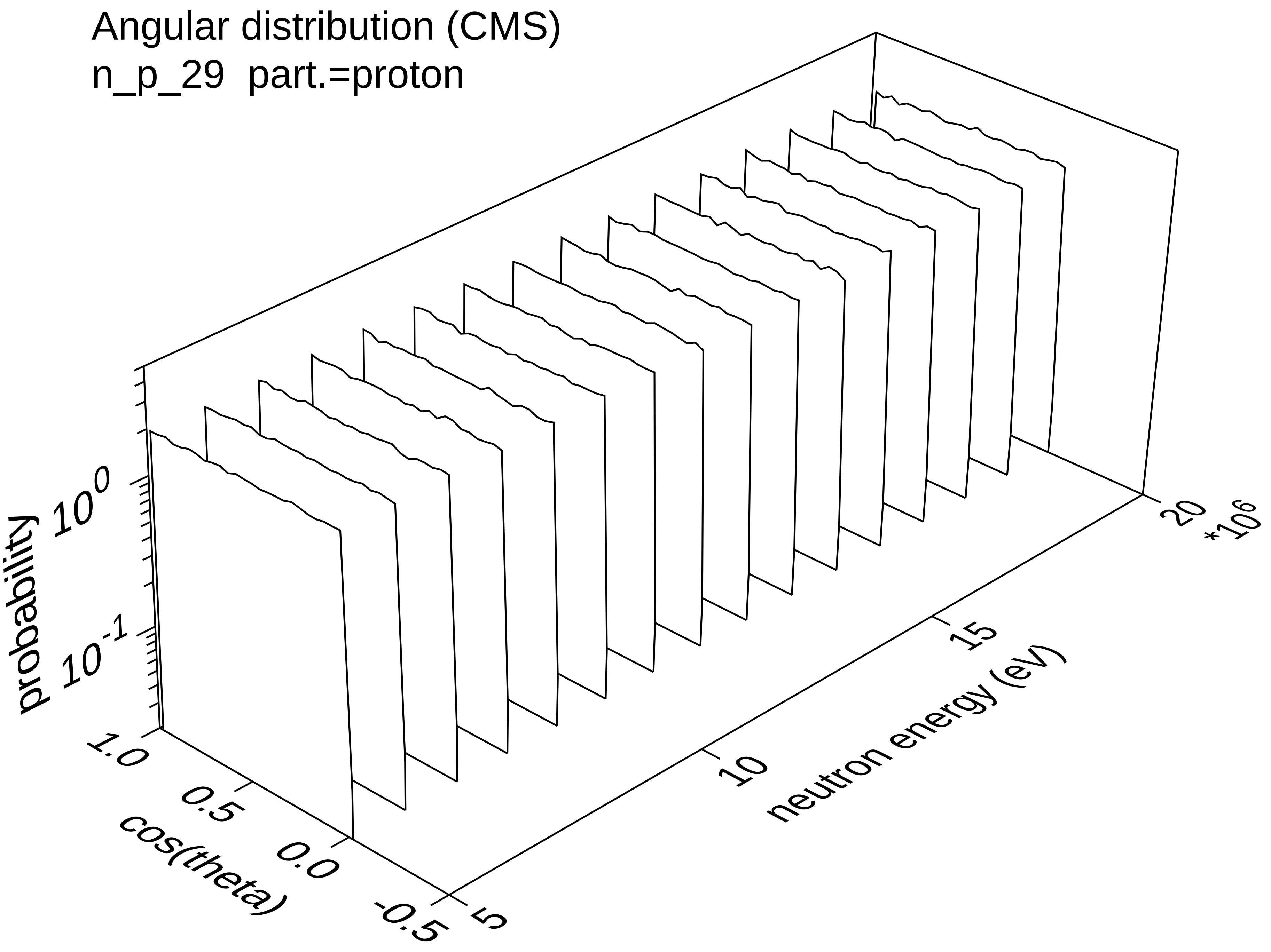


Angular distribution (CMS)
n_p_28 part.=proton

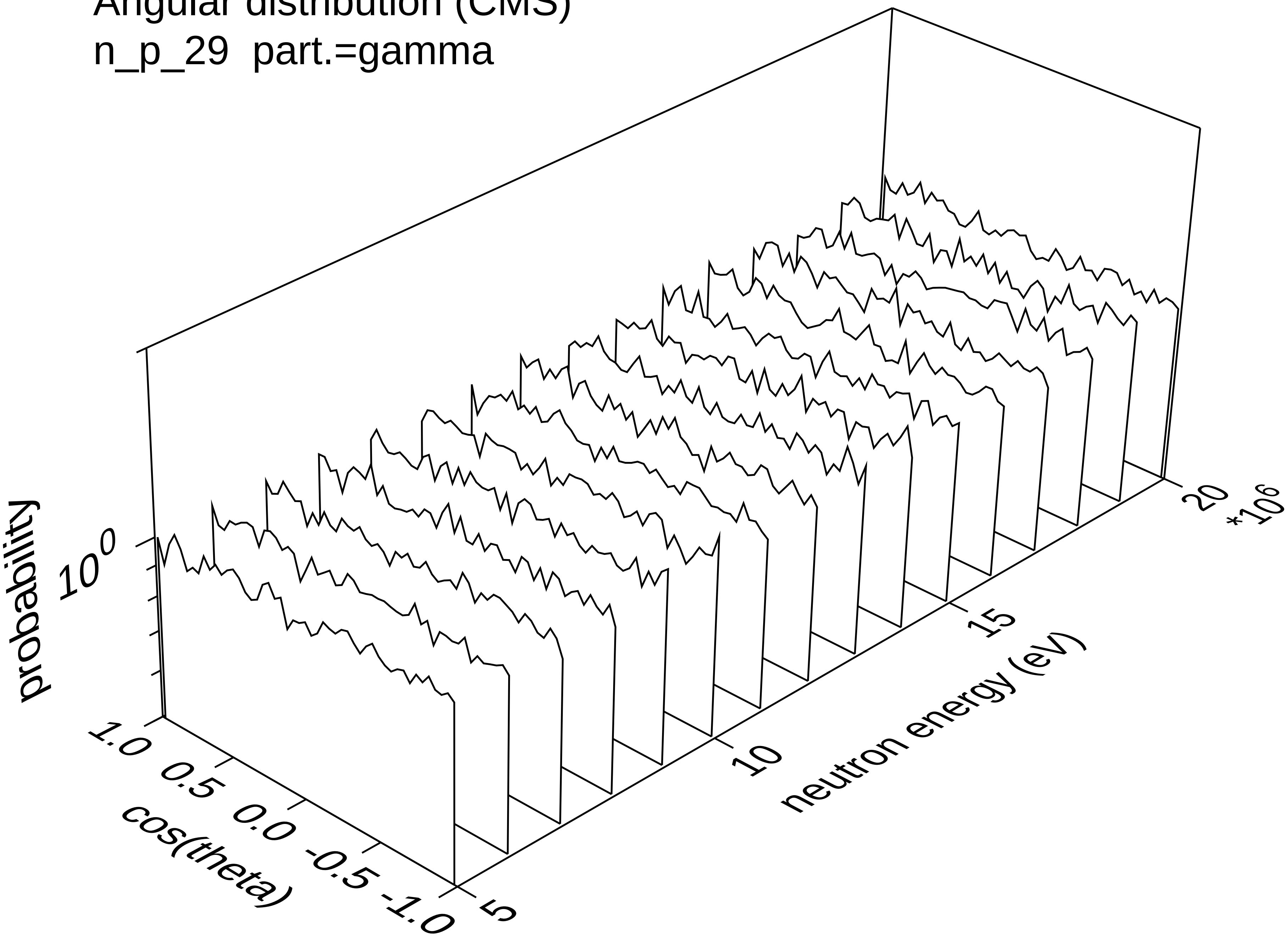


Angular distribution (CMS)
n_p_28 part.=gamma

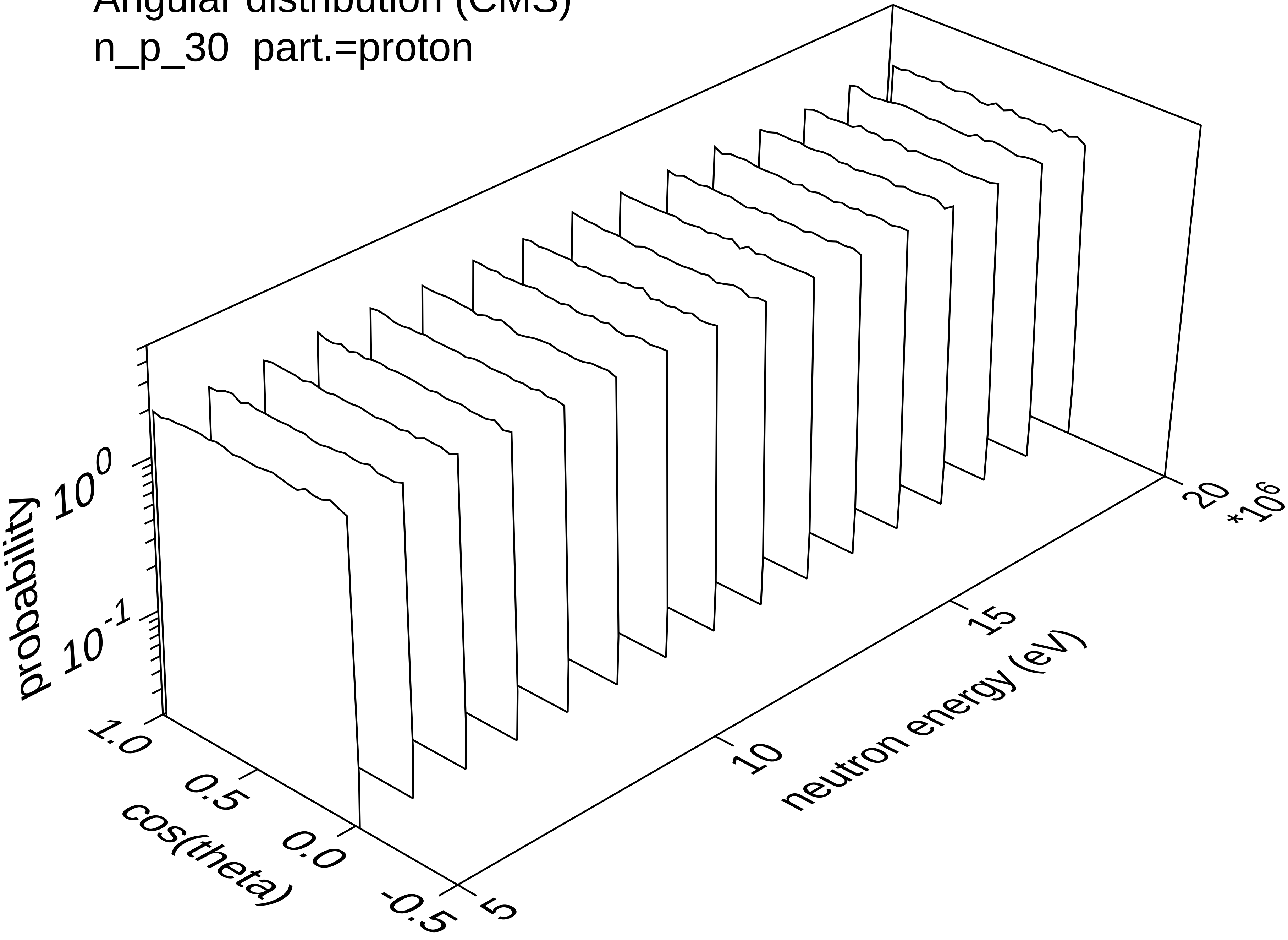



Angular distribution (CMS)
n_p_29 part.=proton
probability
10^0
10^{-1}
1.0
0.5
0.0
-0.5
cos(theta)
5
10
15
20
$*10^6$
neutron energy (eV)

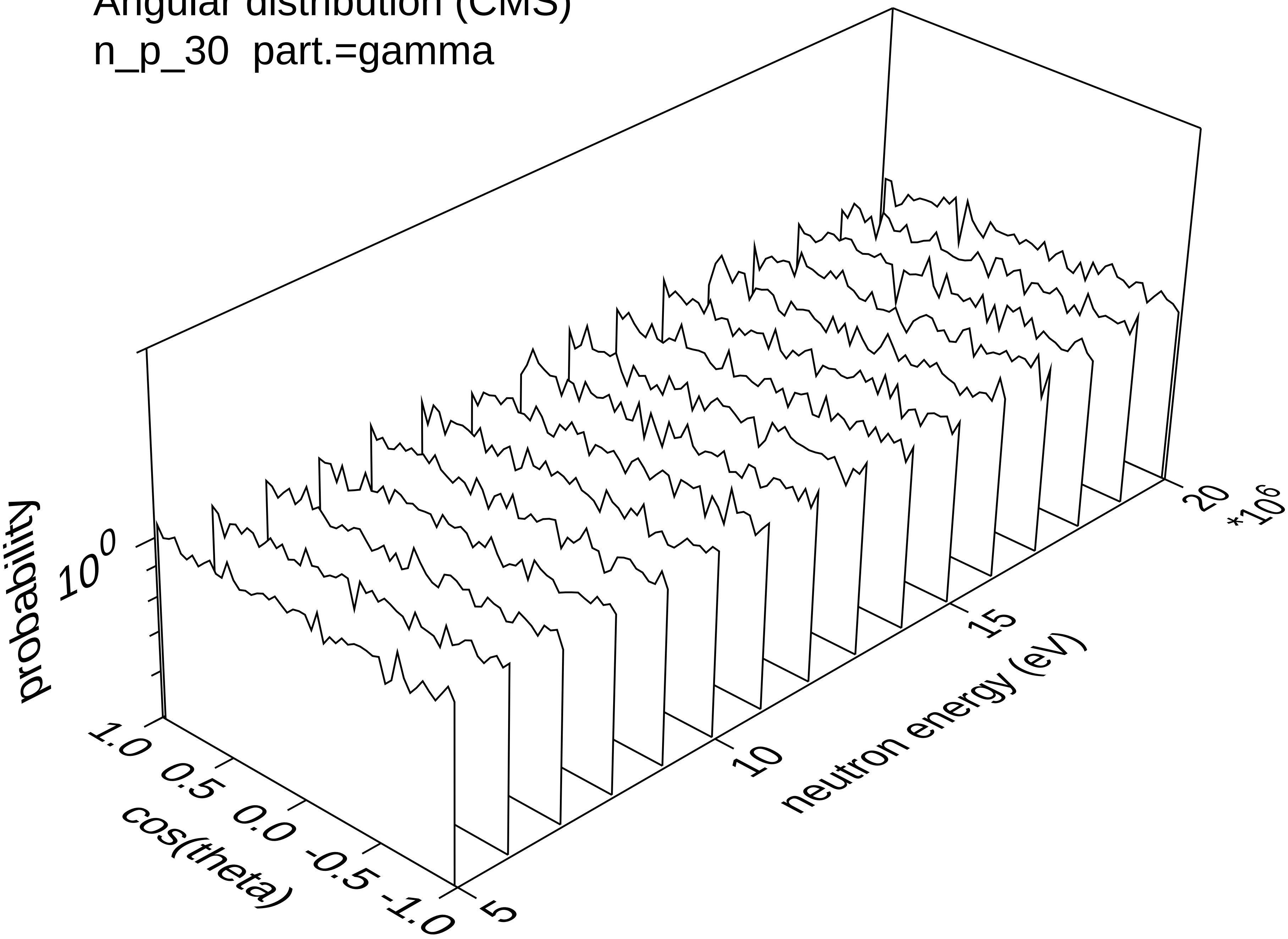
Angular distribution (CMS)
n_p_29 part.=gamma



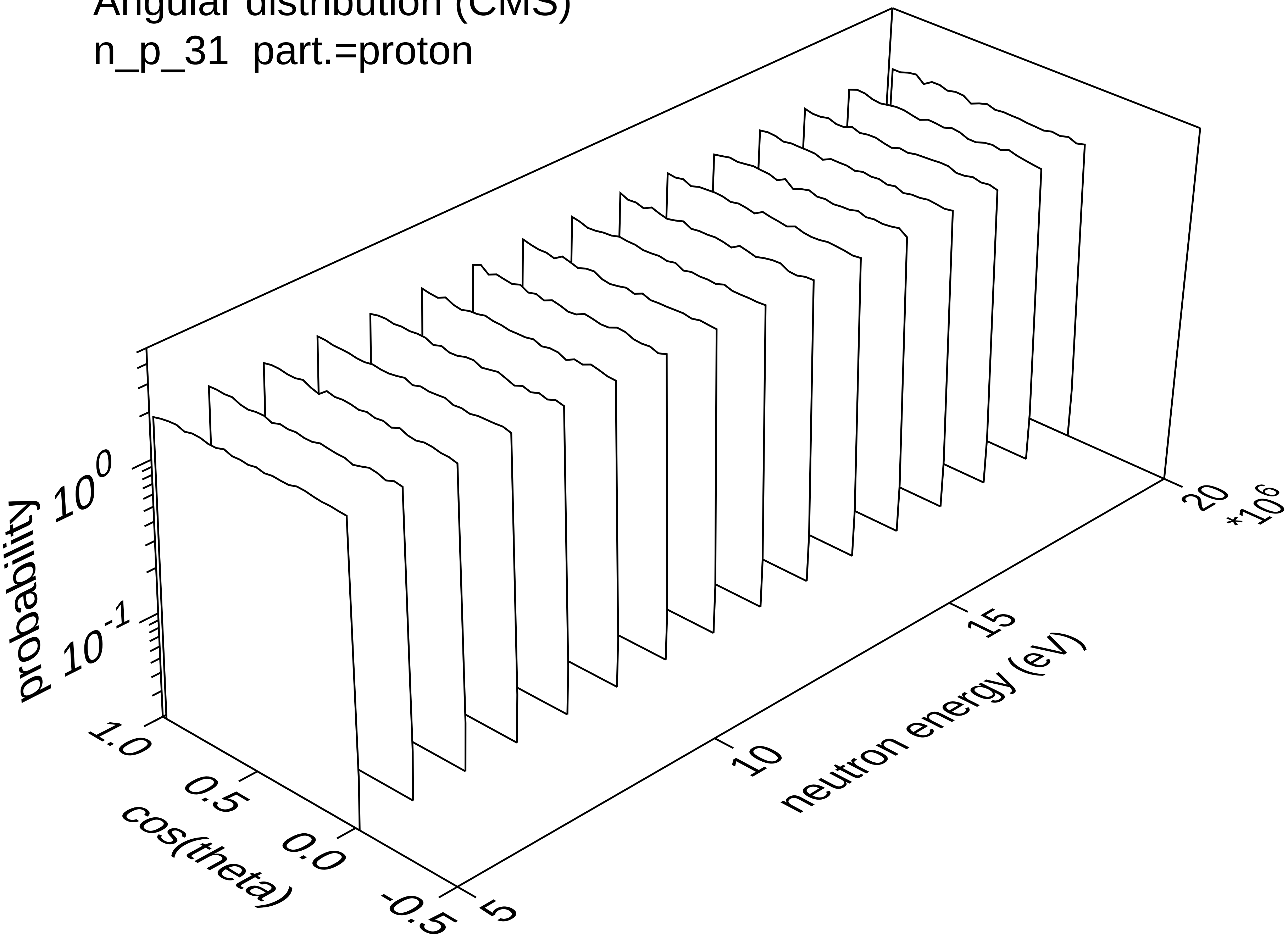
Angular distribution (CMS)
n_p_30 part.=proton



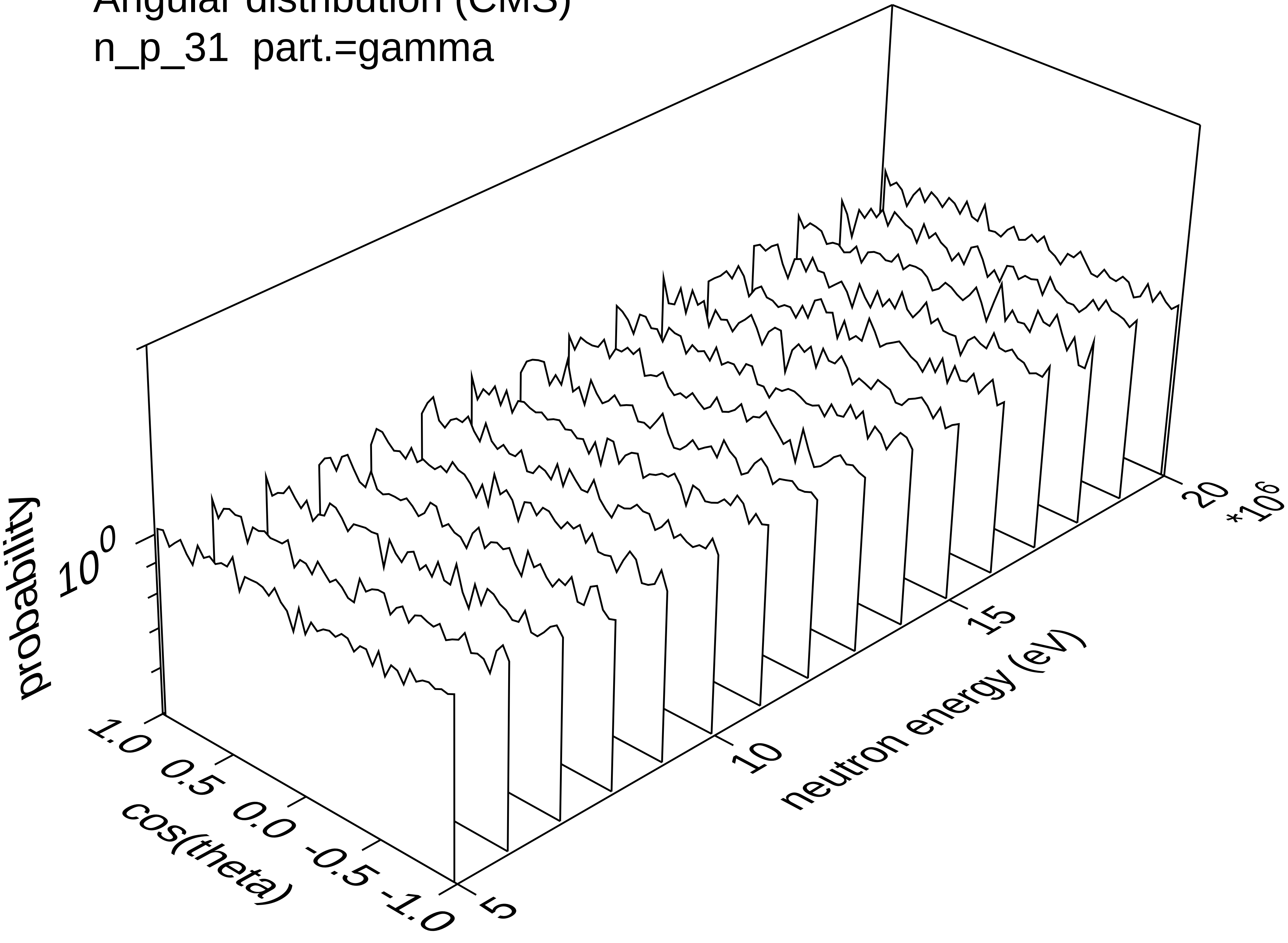
Angular distribution (CMS)
n_p_30 part.=gamma



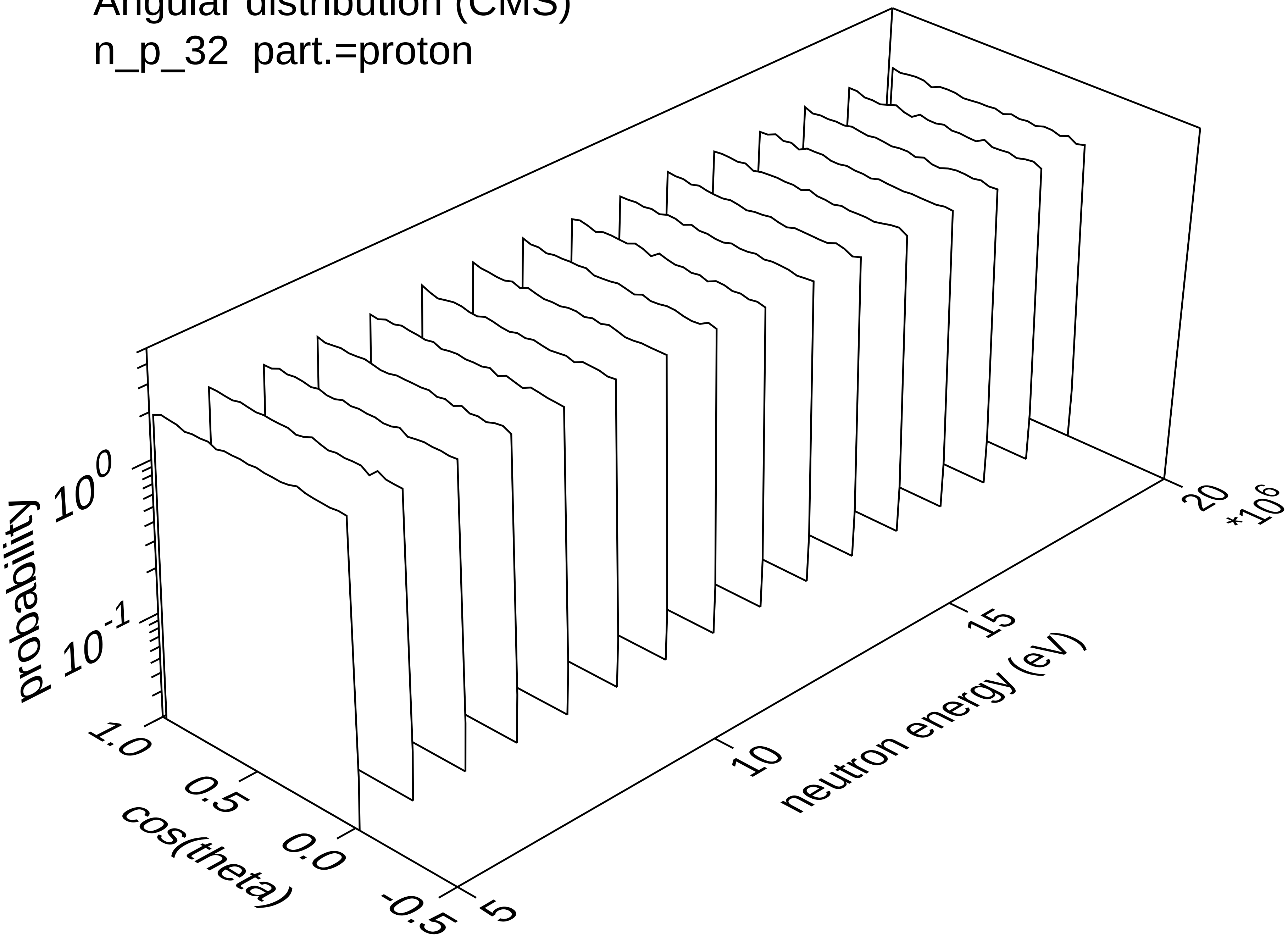
Angular distribution (CMS)
n_p_31 part.=proton



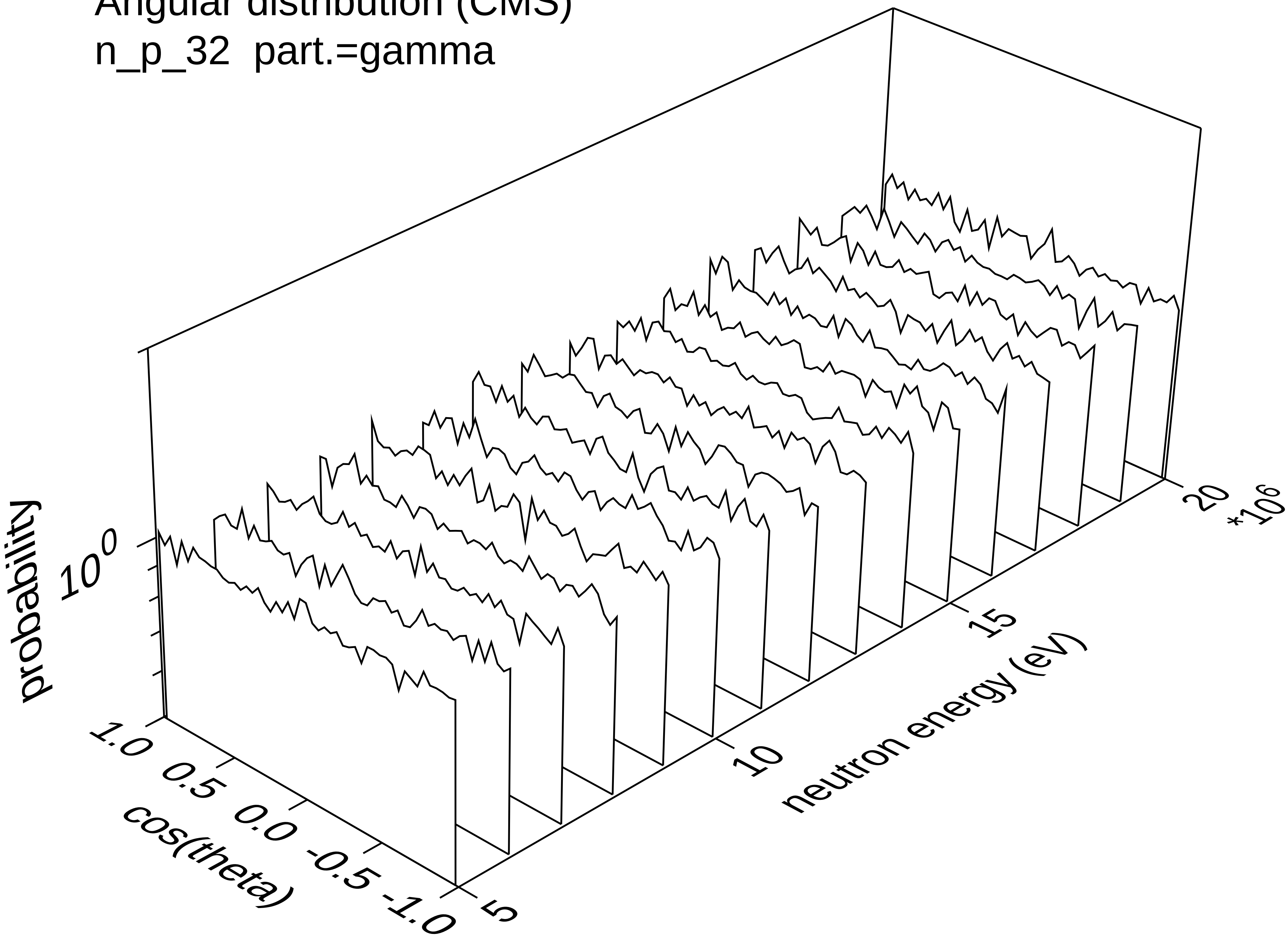
Angular distribution (CMS)
n_p_31 part.=gamma



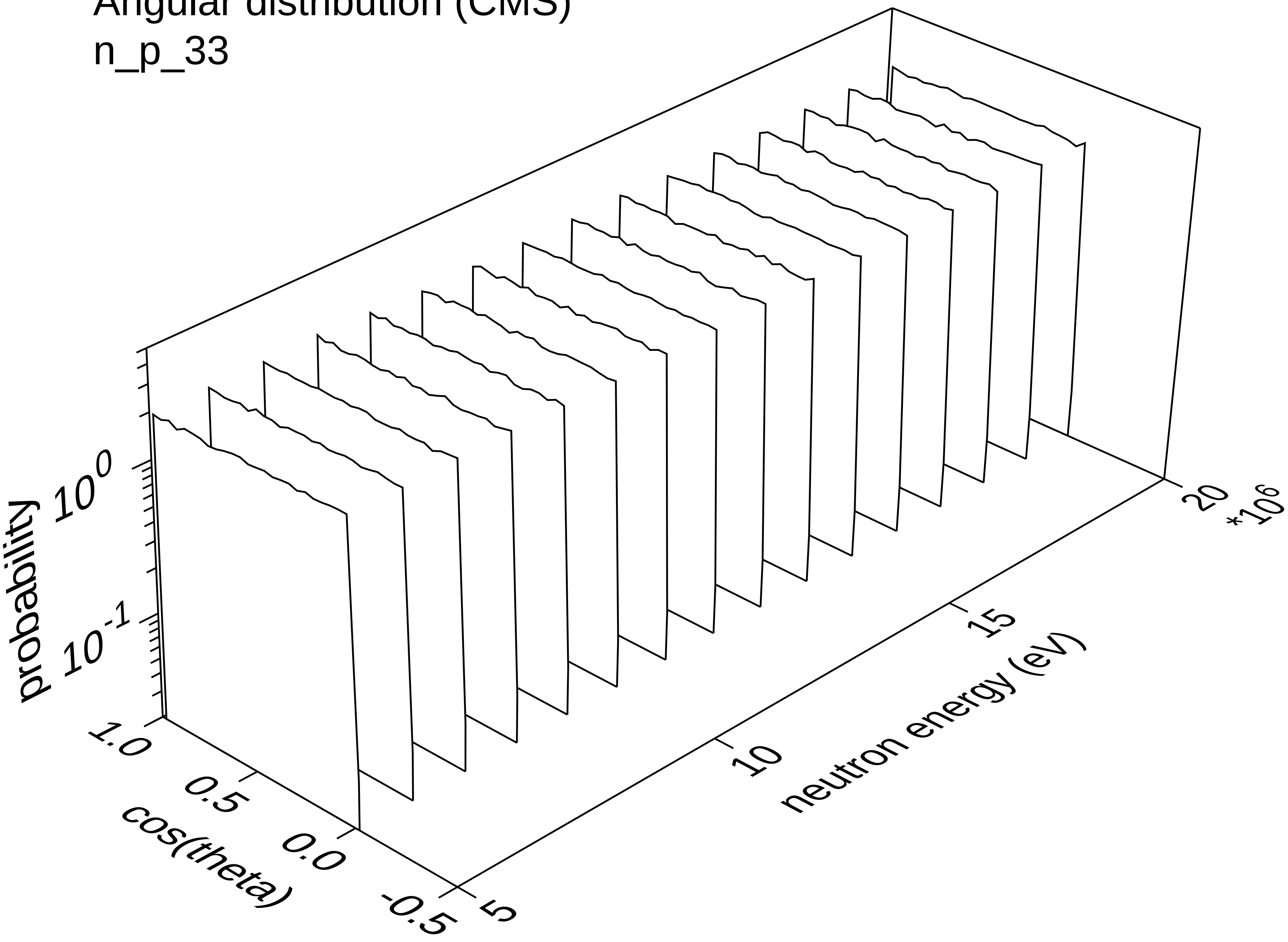
Angular distribution (CMS)
n_p_32 part.=proton



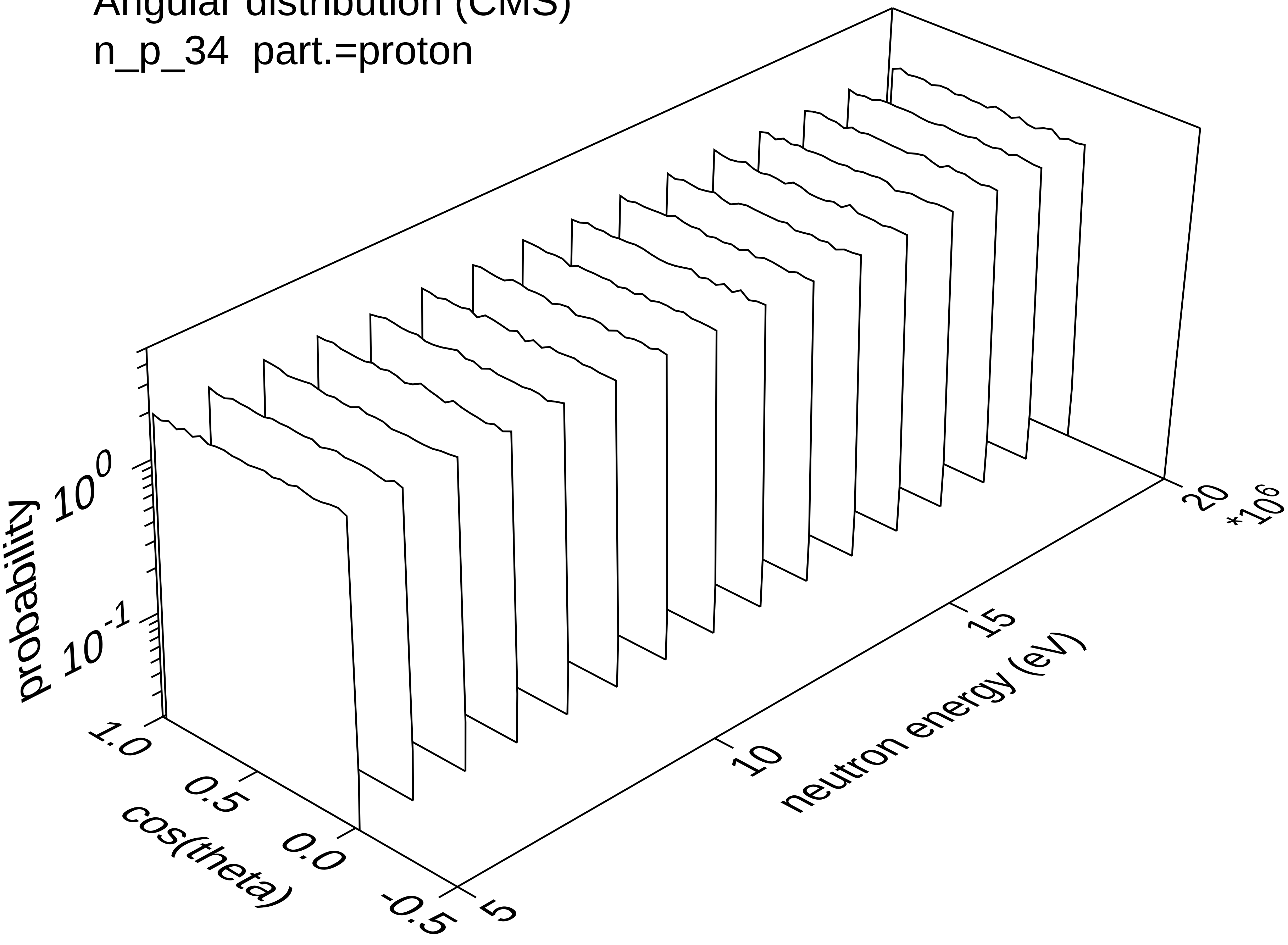
Angular distribution (CMS)
n_p_32 part.=gamma



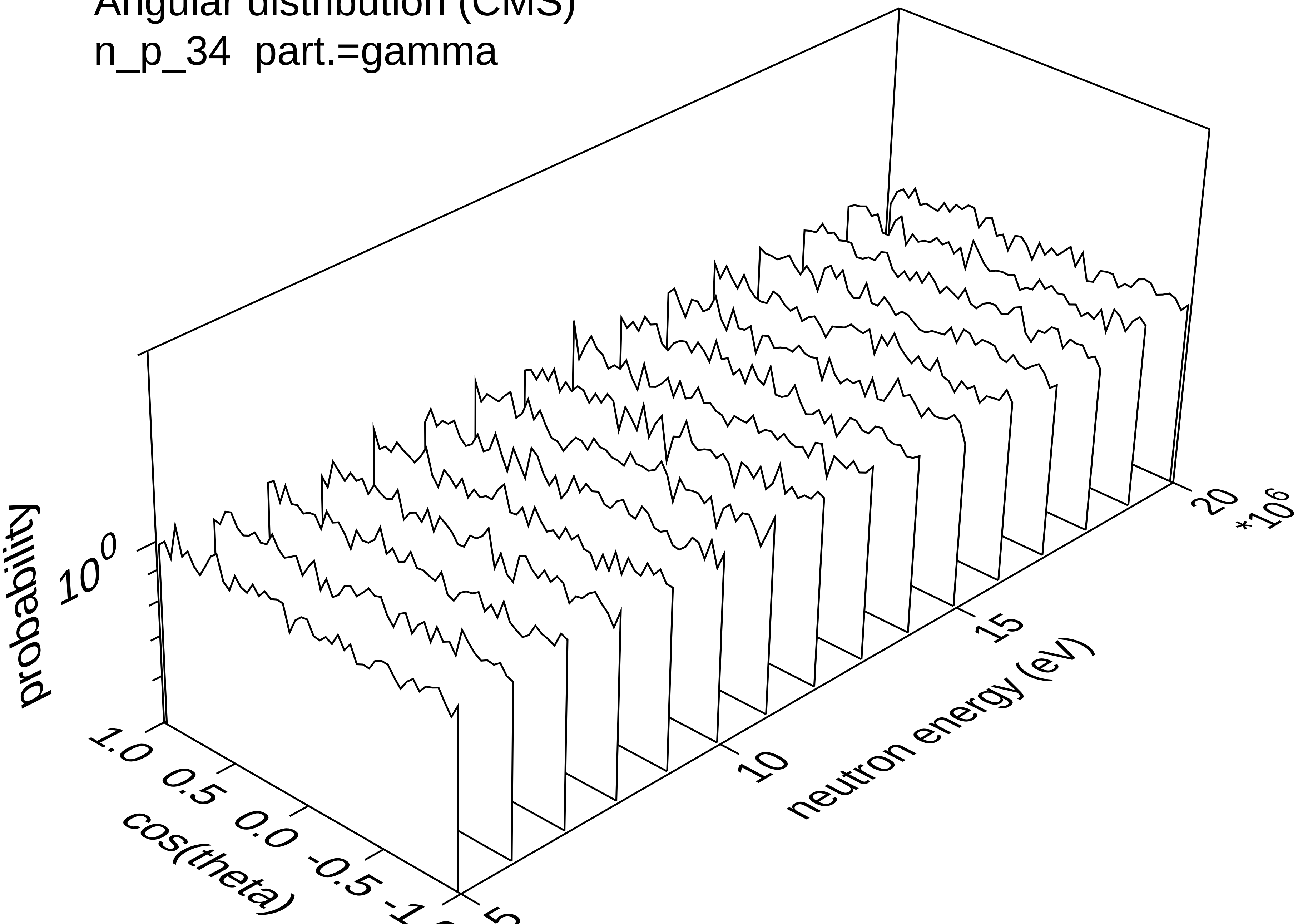
Angular distribution (CMS)
n_p_33



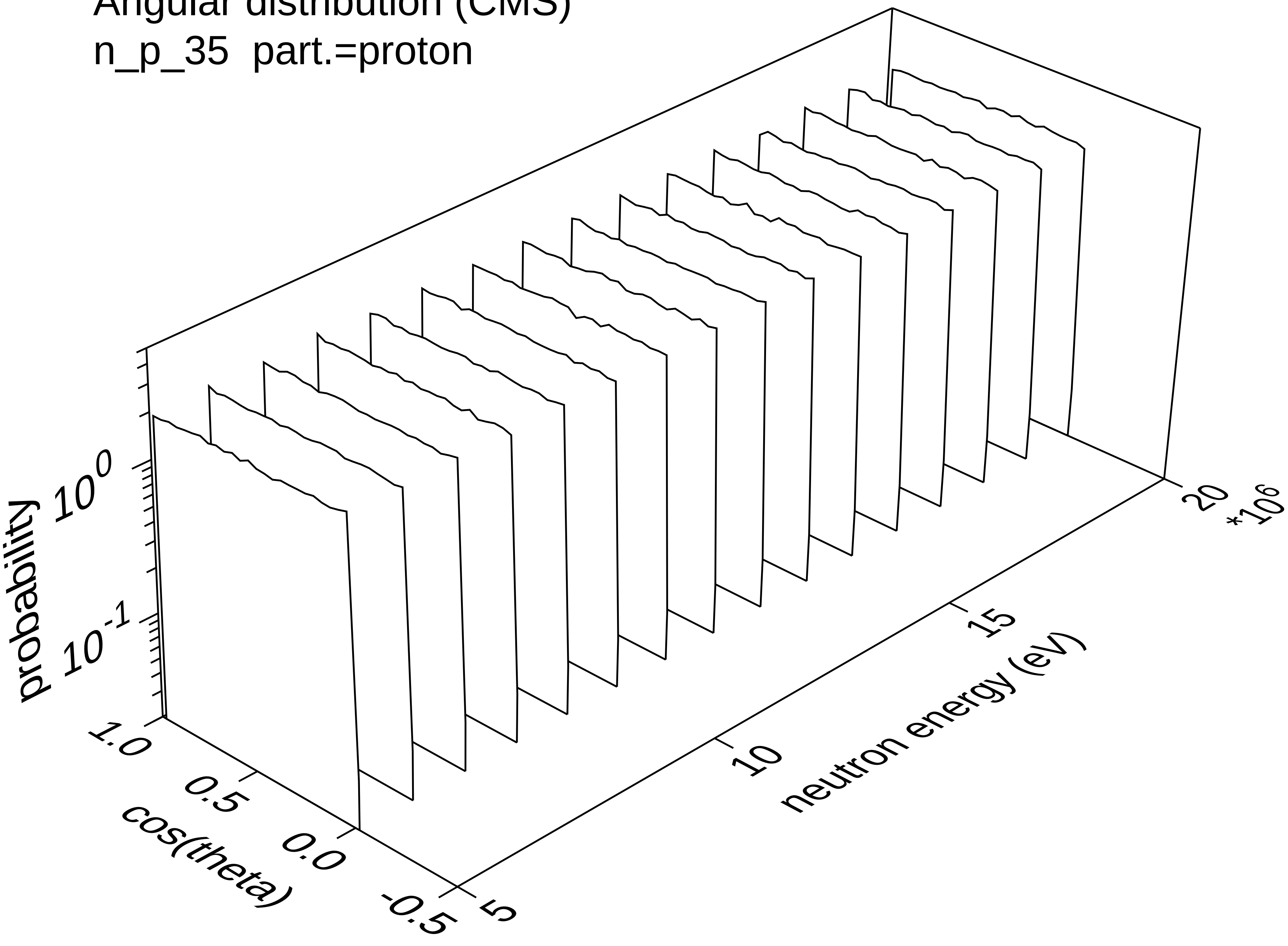
Angular distribution (CMS)
n_p_34 part.=proton



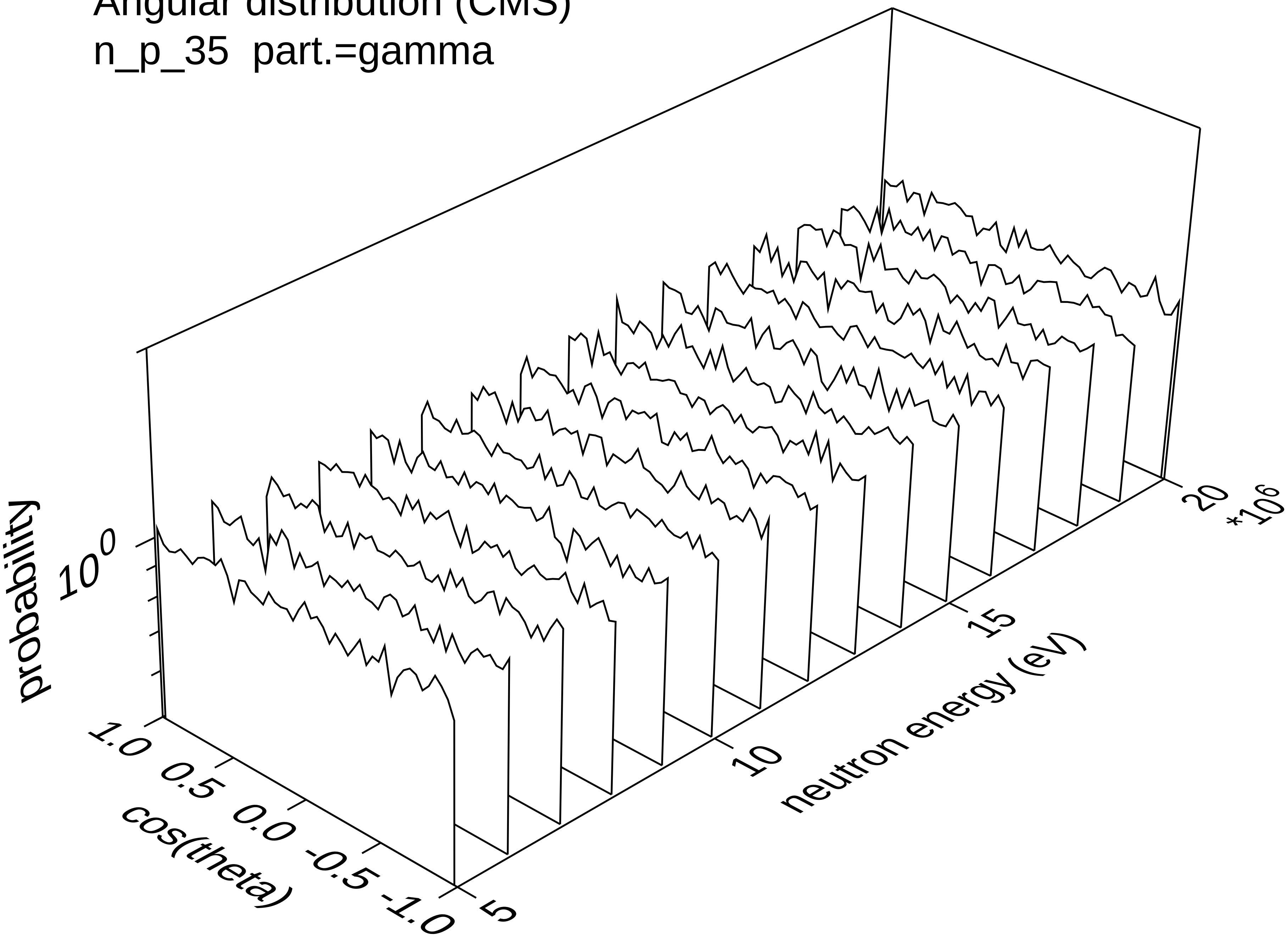
Angular distribution (CMS)
n_p_34 part.=gamma



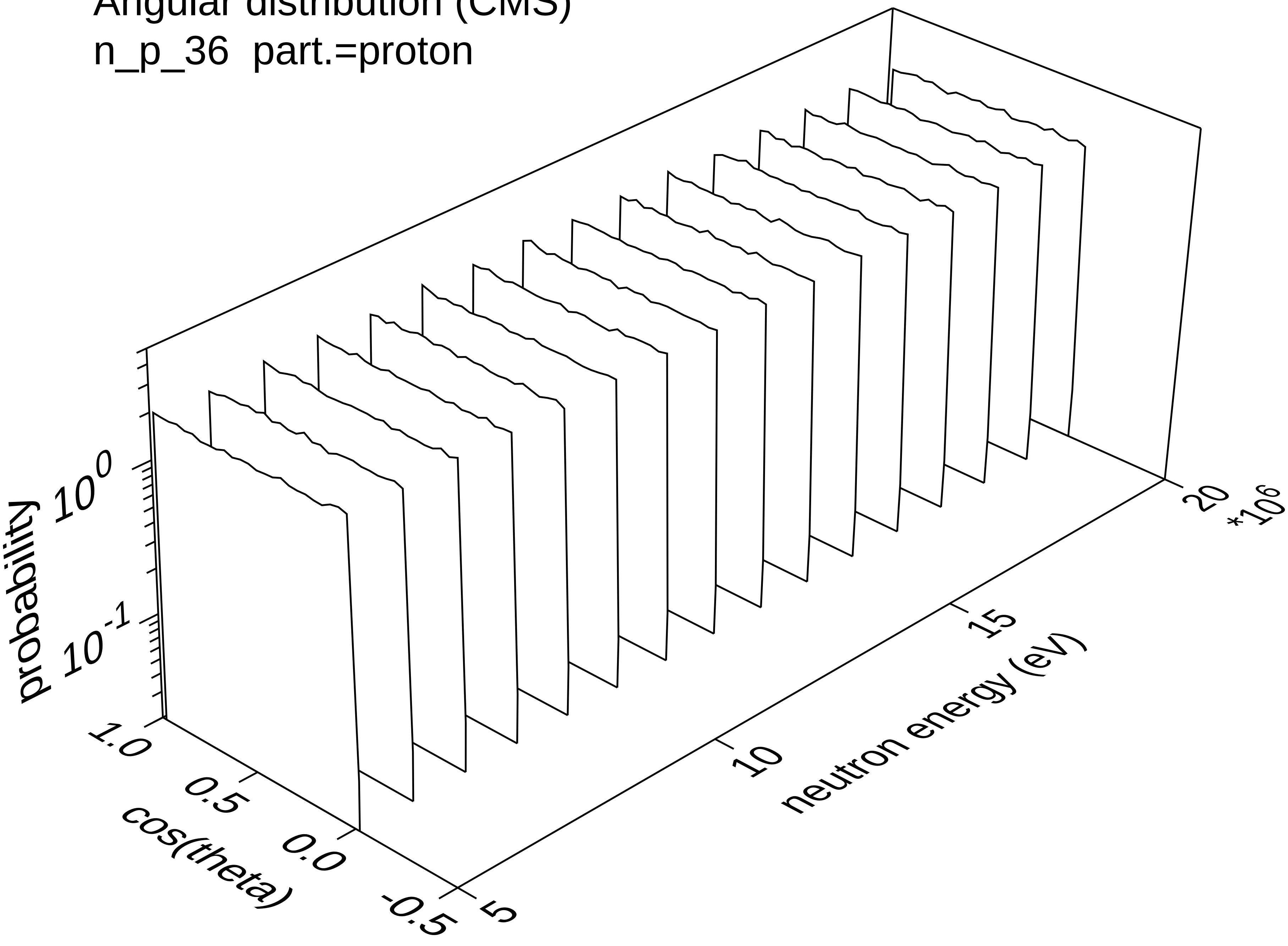
Angular distribution (CMS)
n_p_35 part.=proton



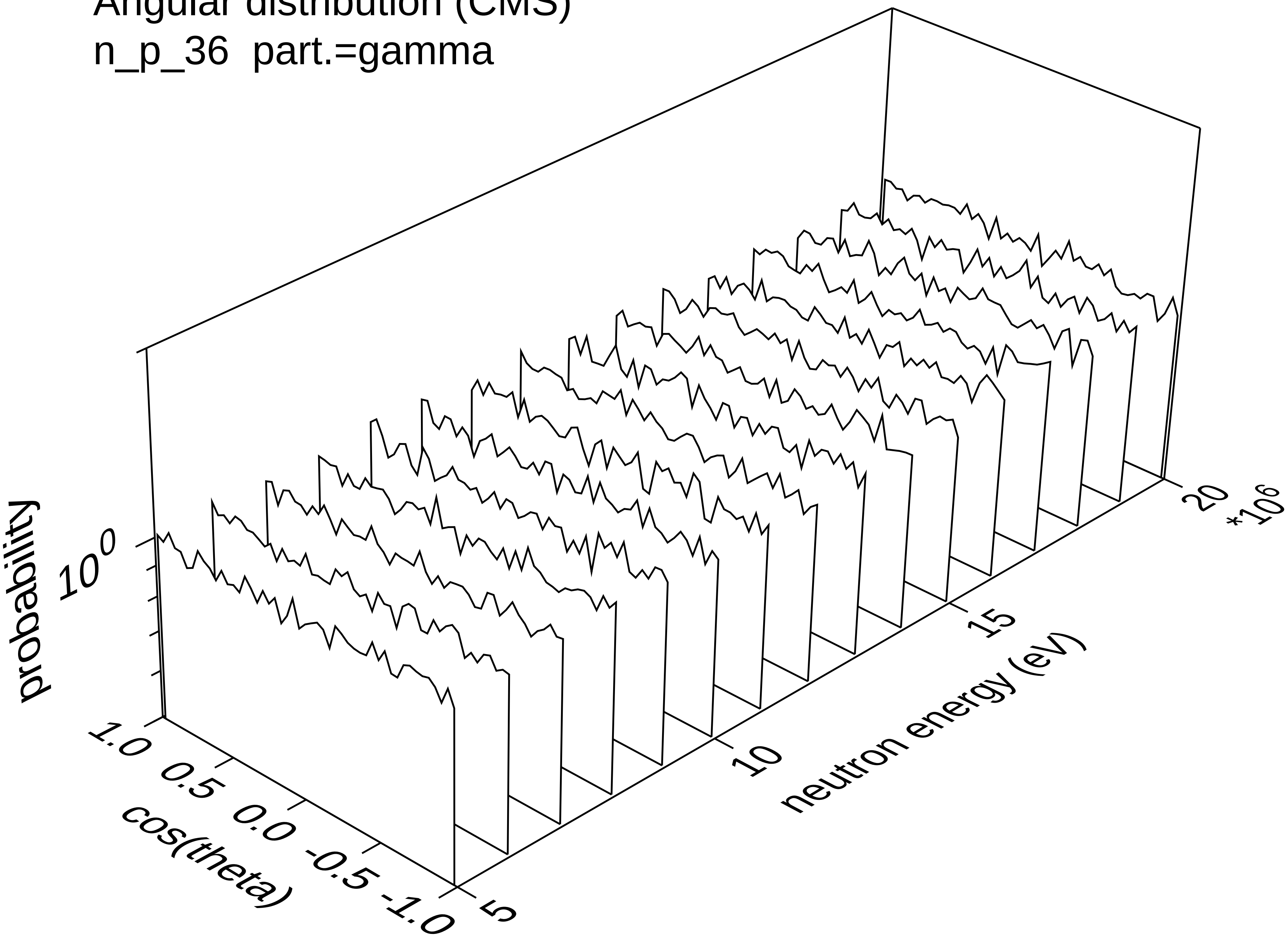
Angular distribution (CMS)
n_p_35 part.=gamma



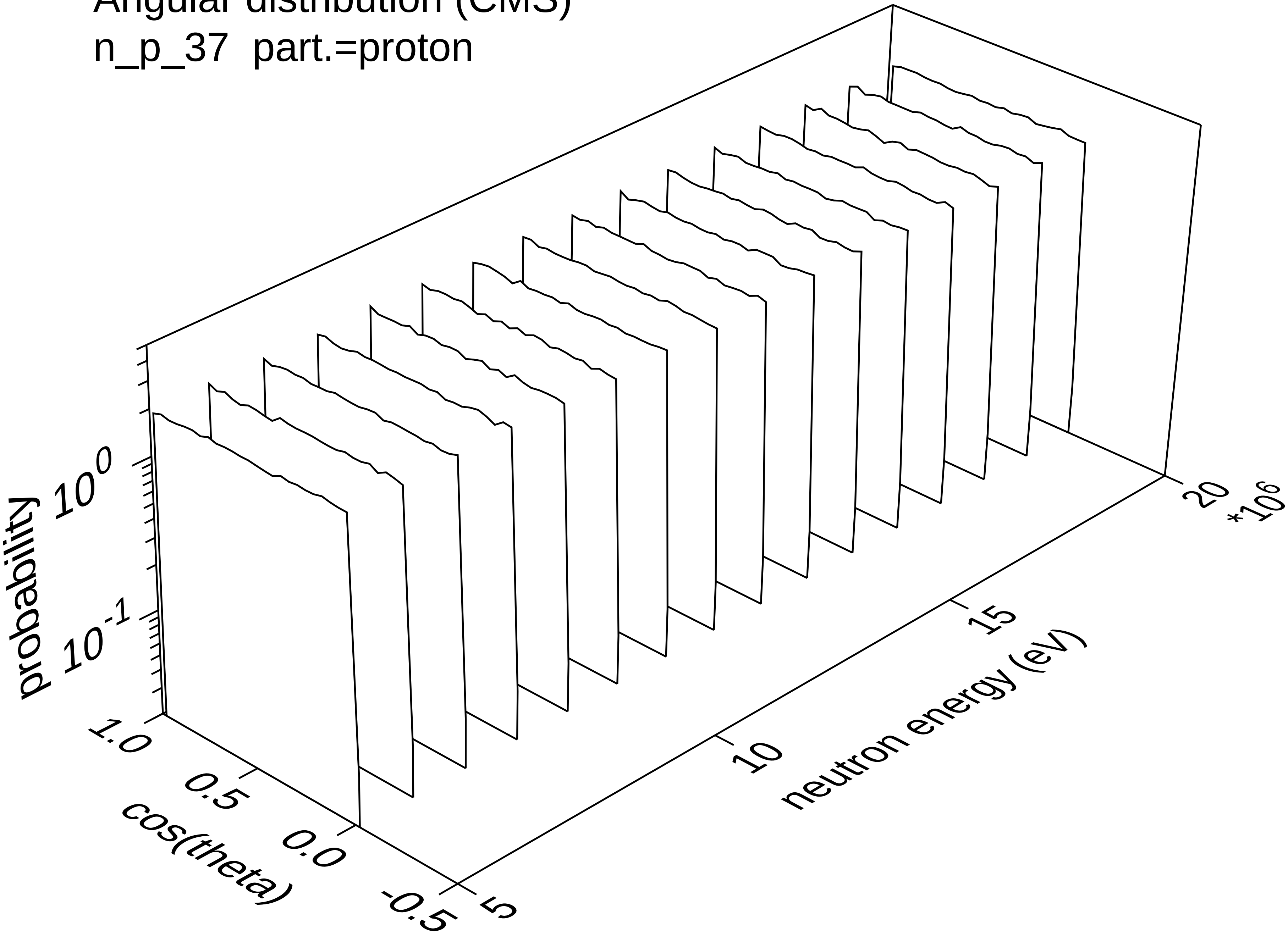
Angular distribution (CMS)
n_p_36 part.=proton



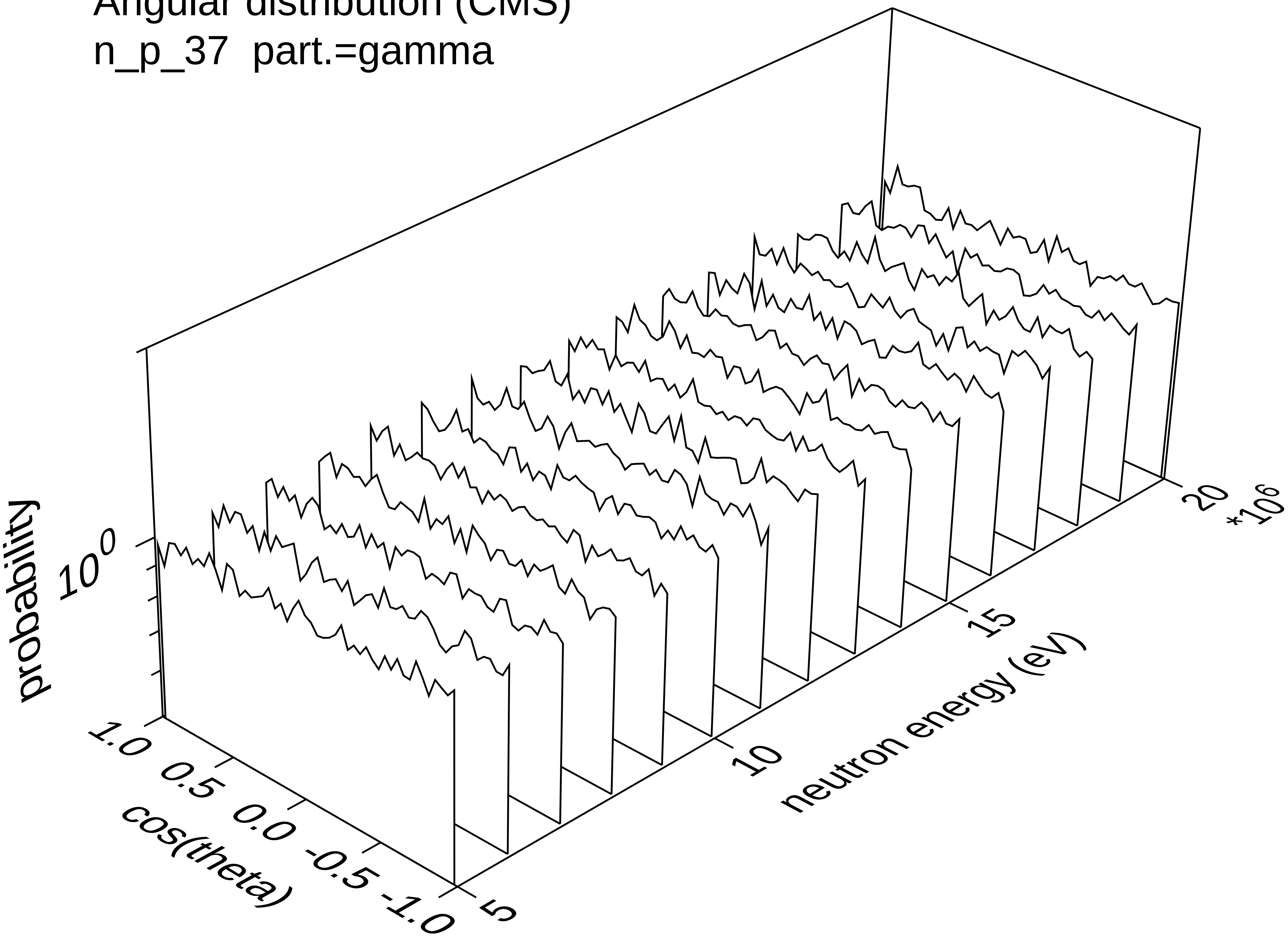
Angular distribution (CMS)
n_p_36 part.=gamma



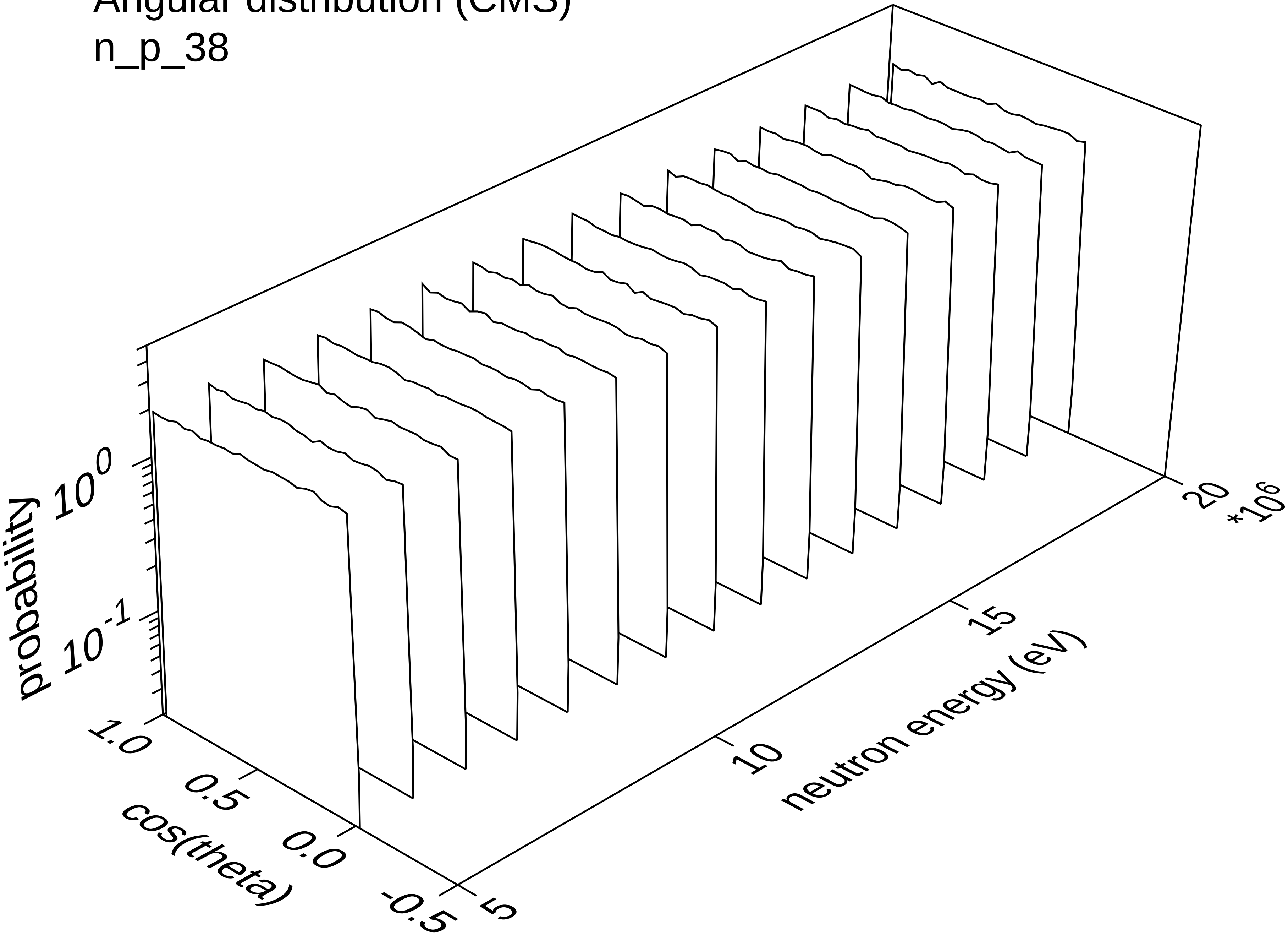
Angular distribution (CMS)
n_p_37 part.=proton

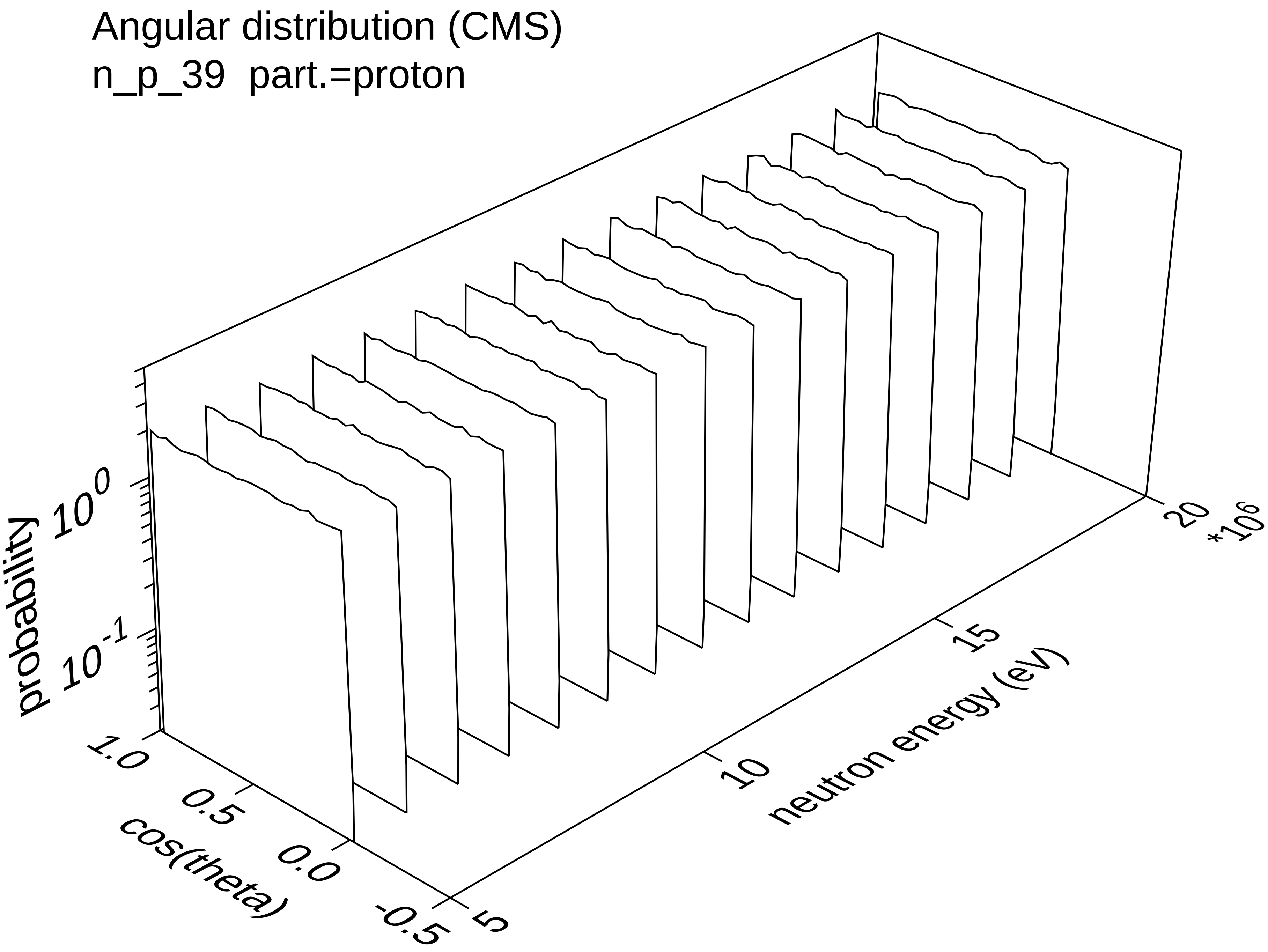


Angular distribution (CMS)
n_p_37 part.=gamma

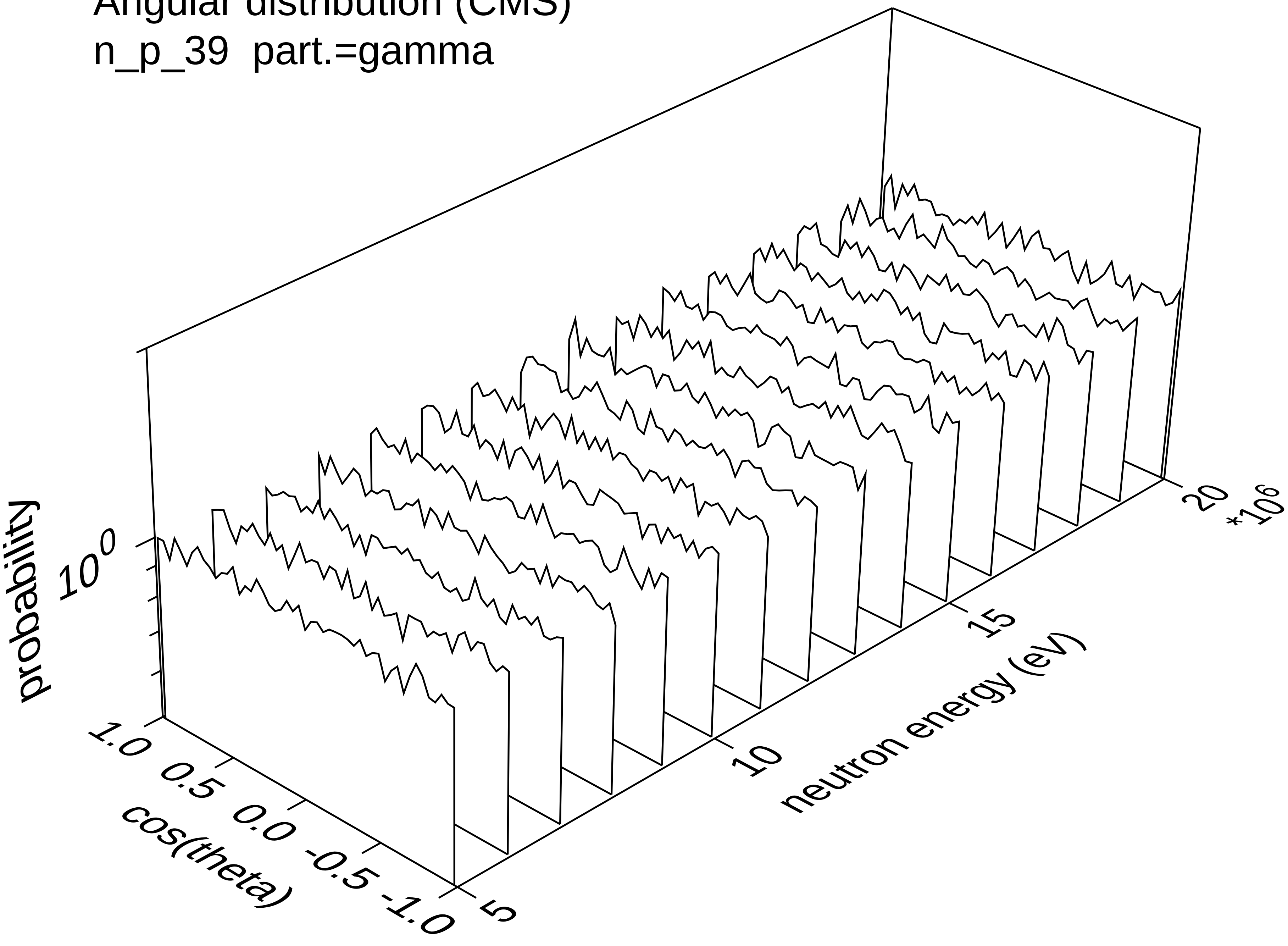


Angular distribution (CMS)
n_p_38

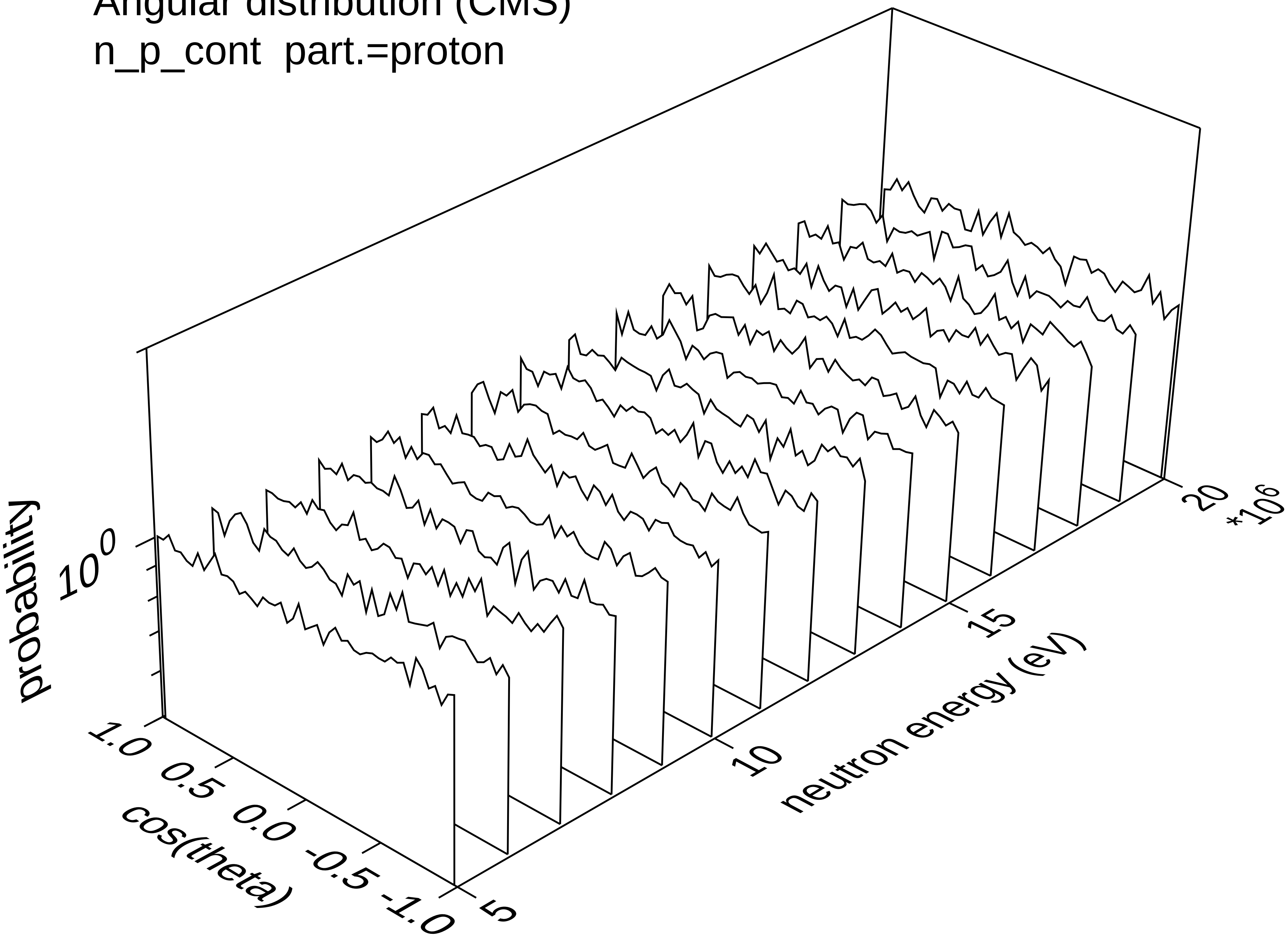



Angular distribution (CMS)
n_p_39 part.=proton

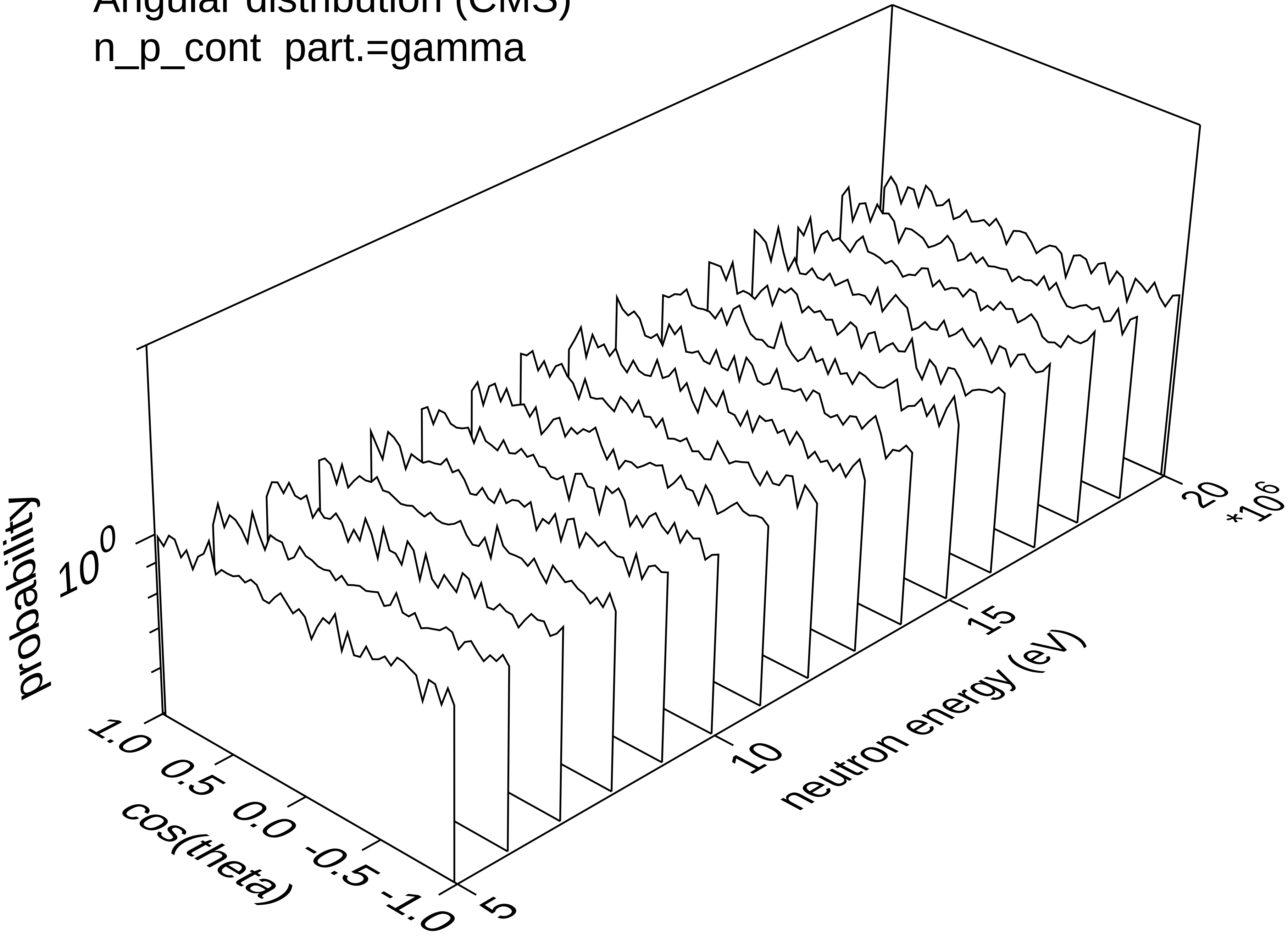
Angular distribution (CMS)
n_p_39 part.=gamma

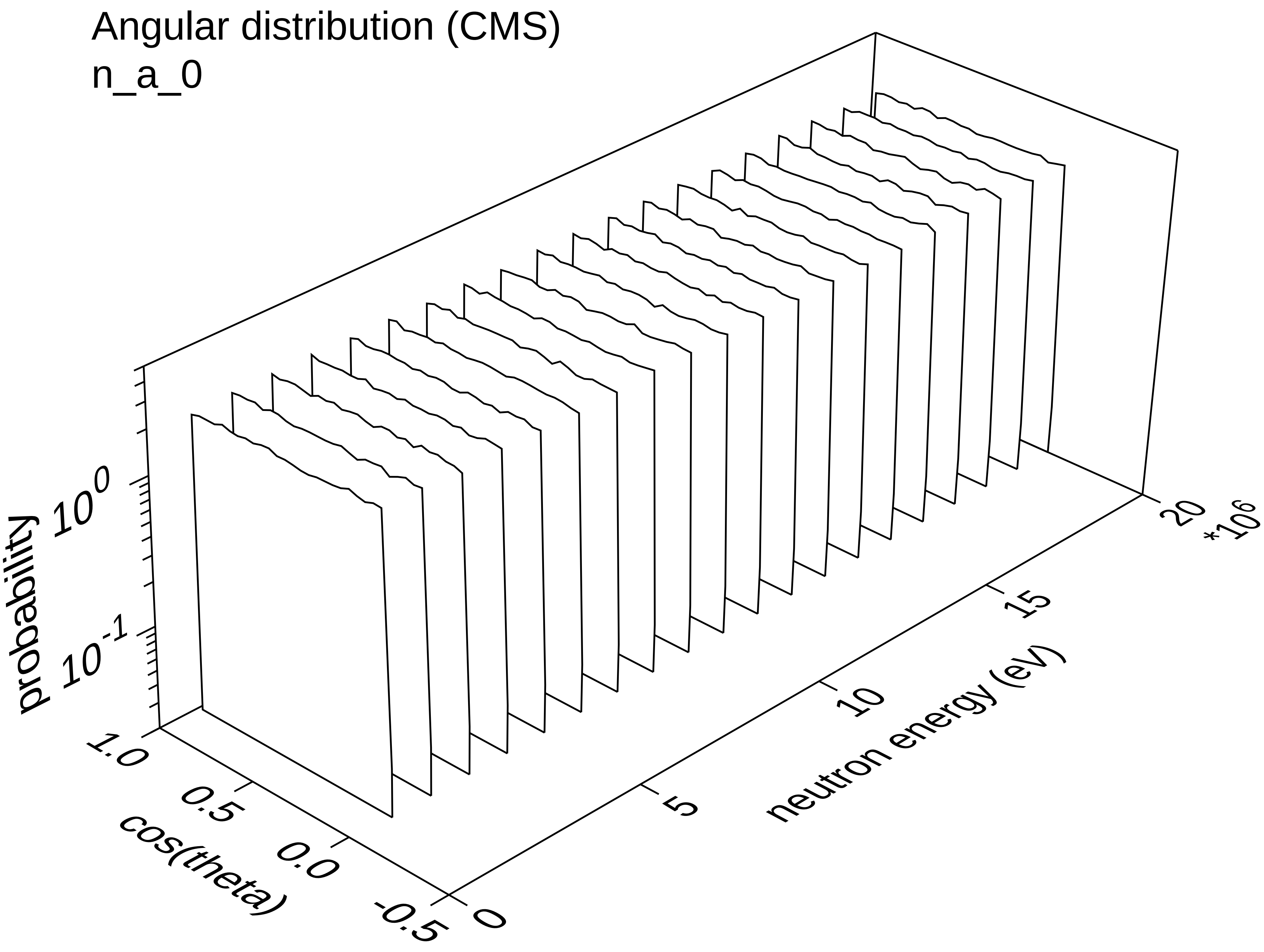


Angular distribution (CMS)
n_p_cont part.=proton

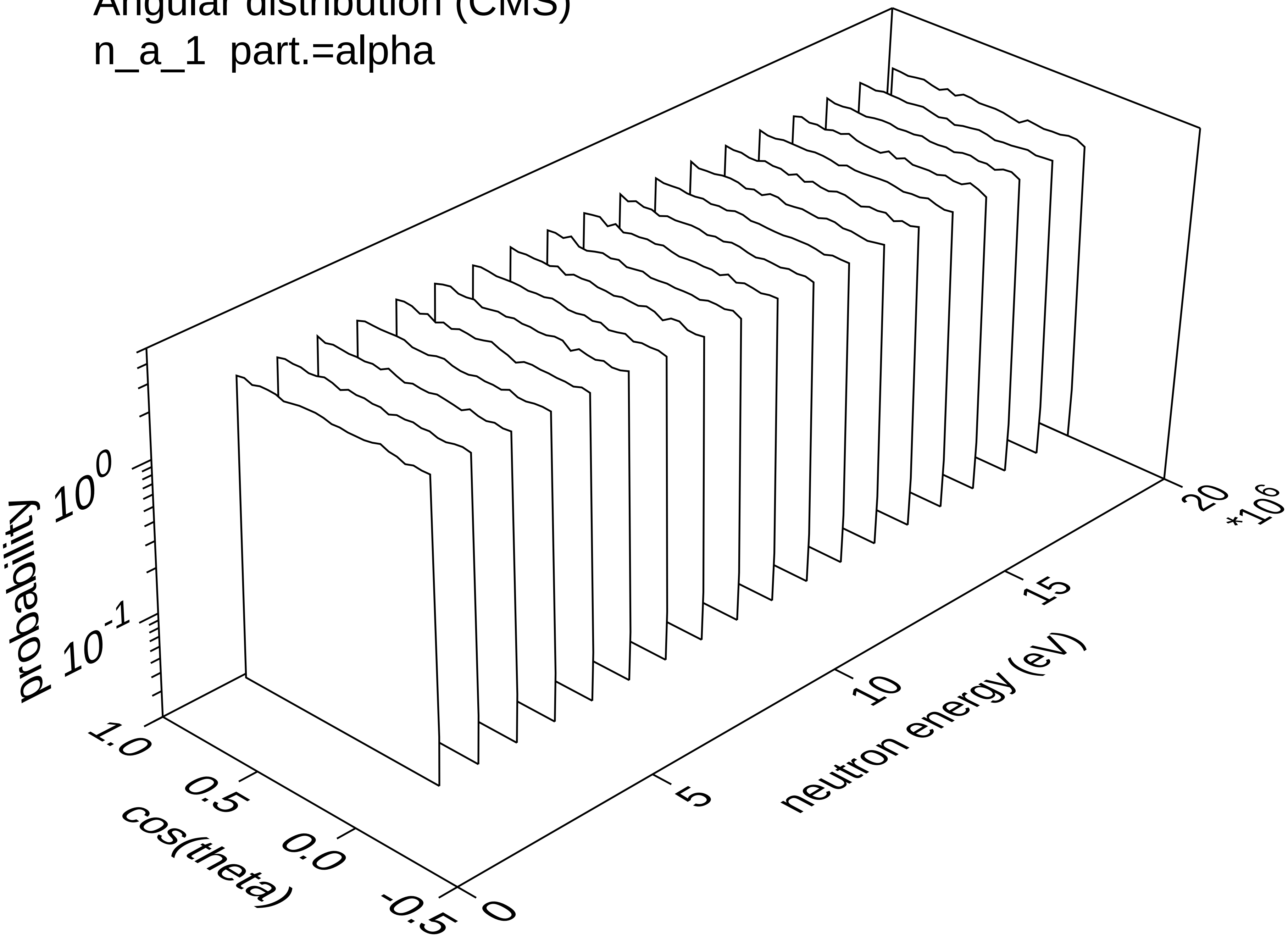


Angular distribution (CMS)
n_p_cont part.=gamma

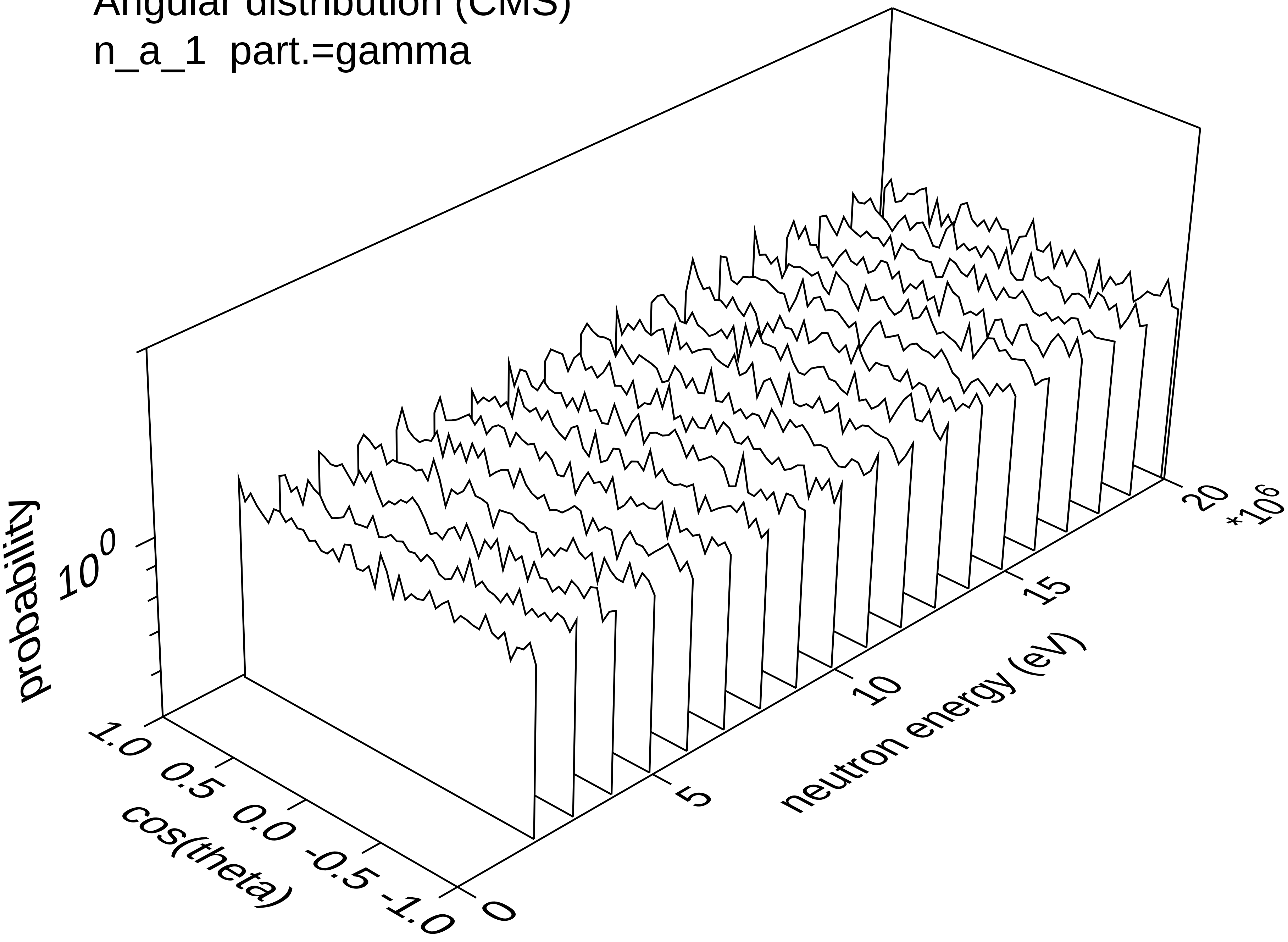



Angular distribution (CMS)
n_a_0
probability
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
cos(theta)
0
5
10
15
20
$*10^{6}$
neutron energy (eV)

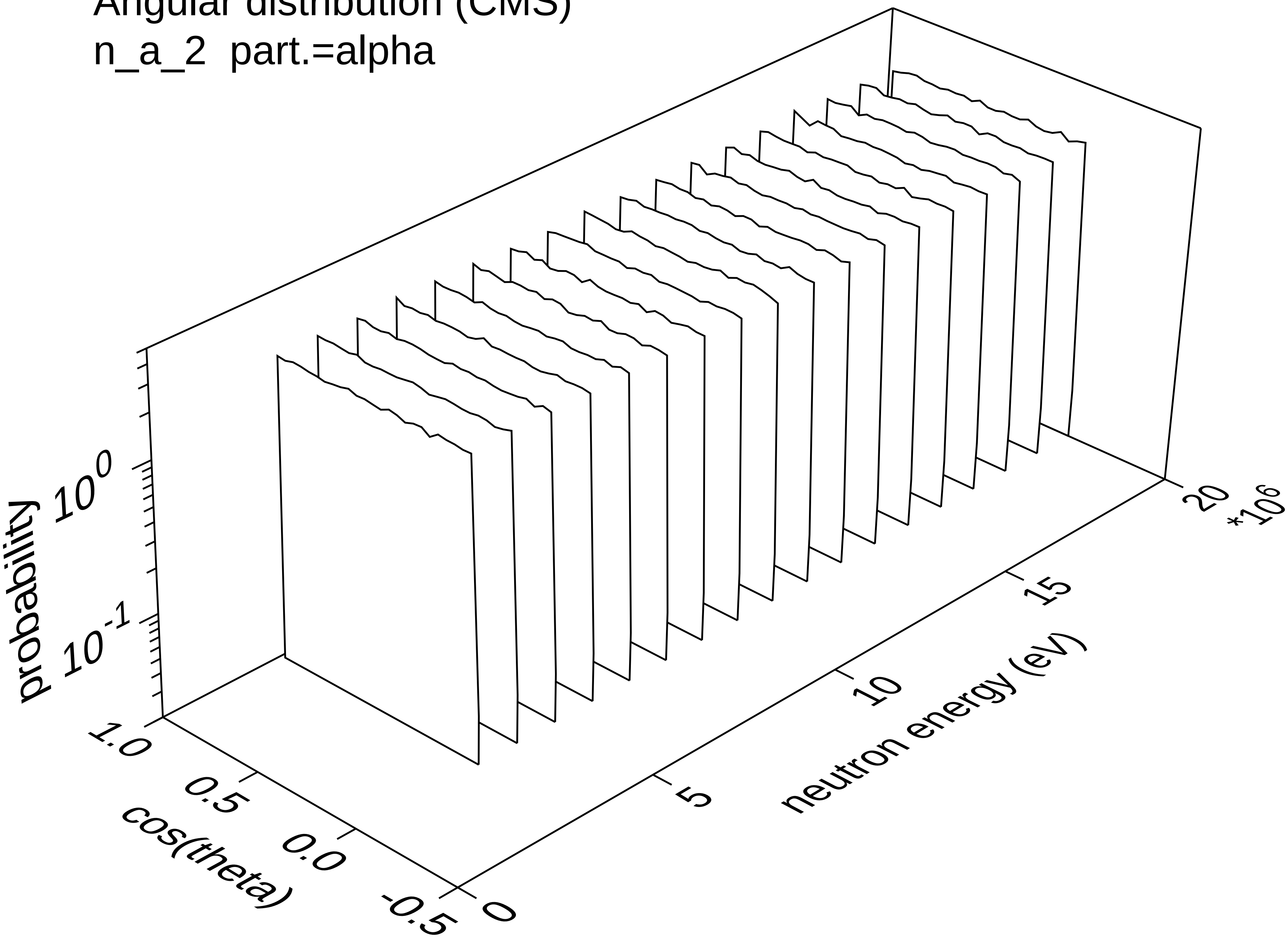
Angular distribution (CMS)
n_a_1 part.=alpha



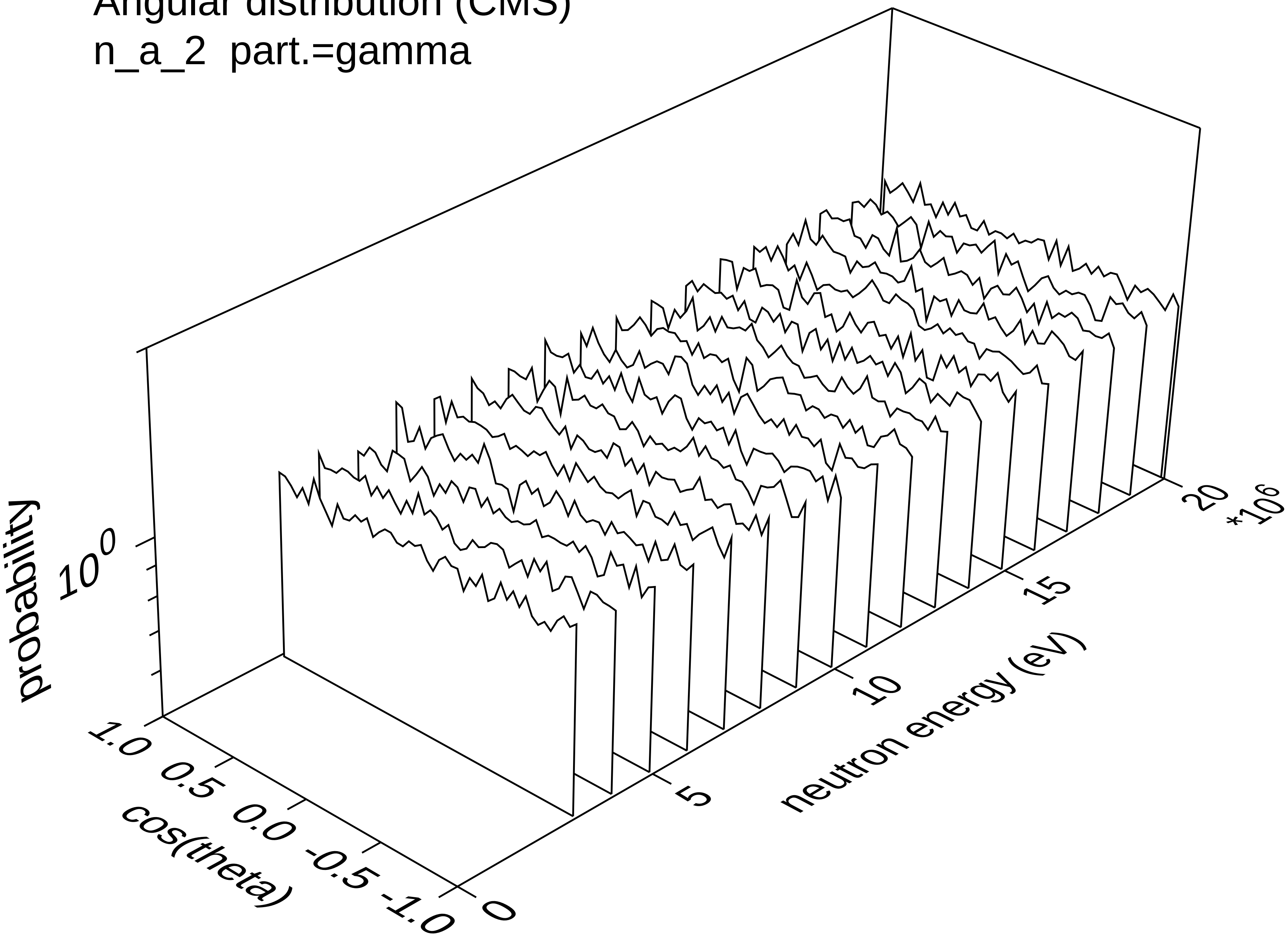
Angular distribution (CMS)
n_a_1 part.=gamma



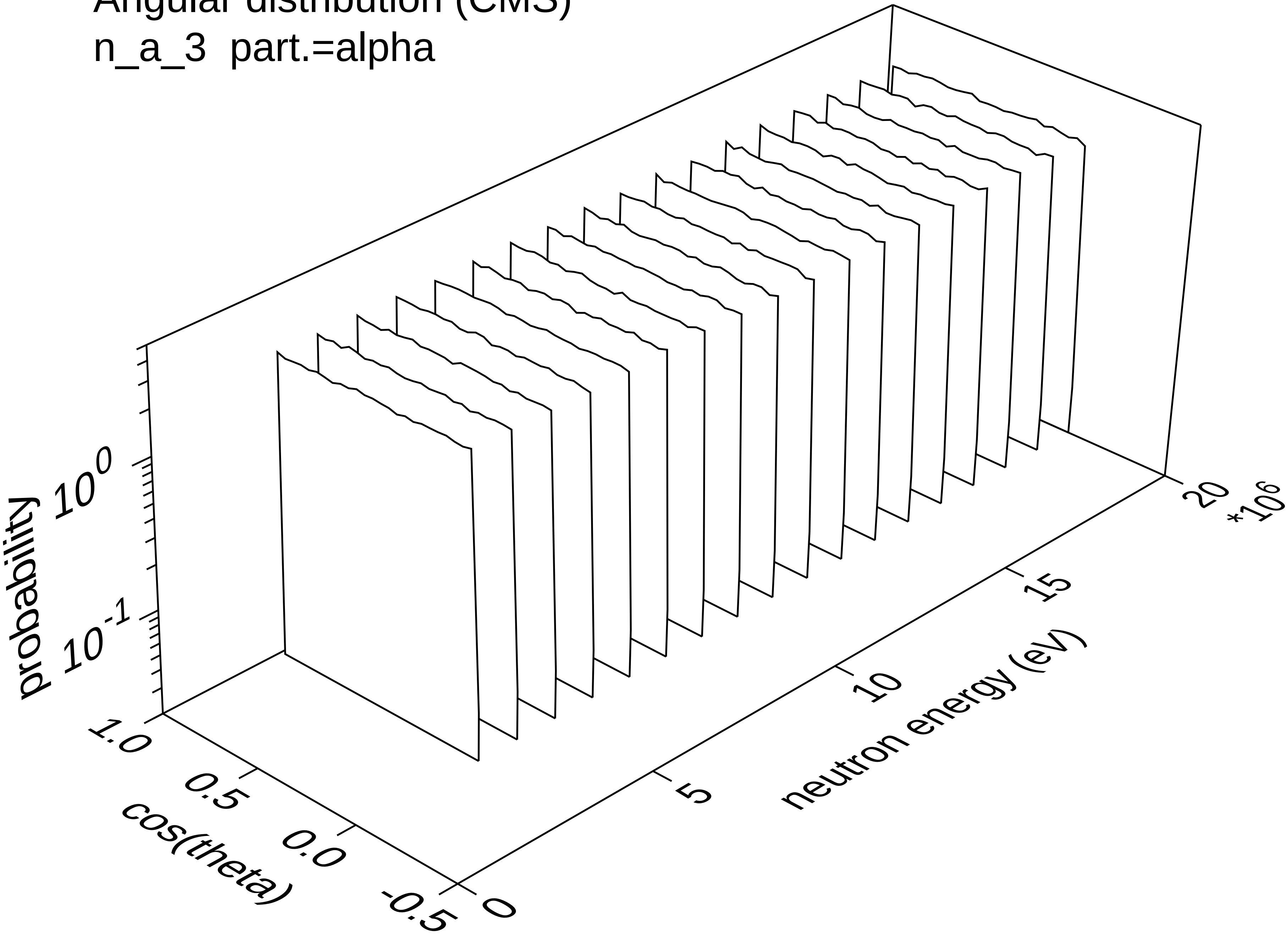
Angular distribution (CMS)
n_a_2 part.=alpha

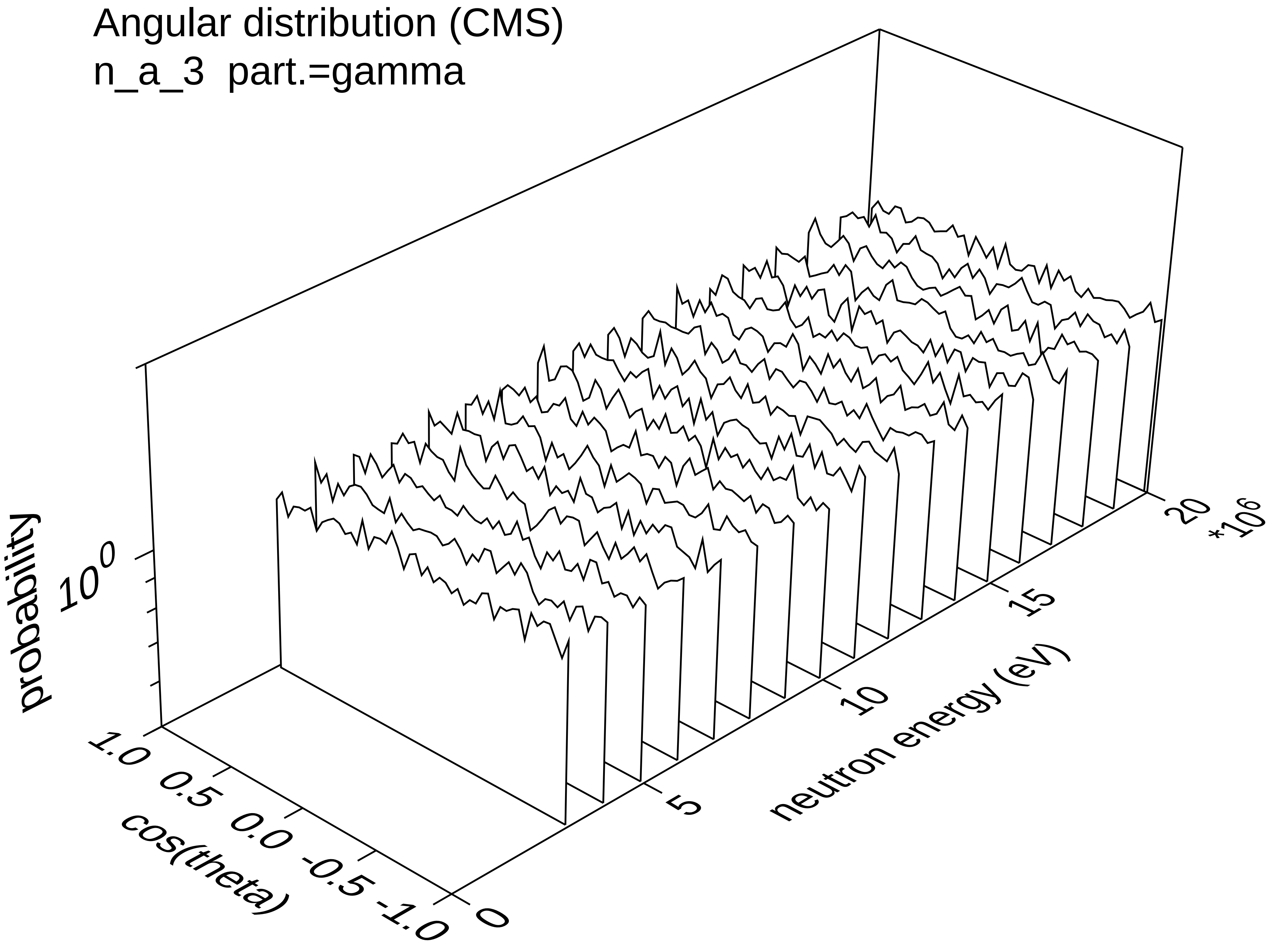


Angular distribution (CMS)
n_a_2 part.=gamma

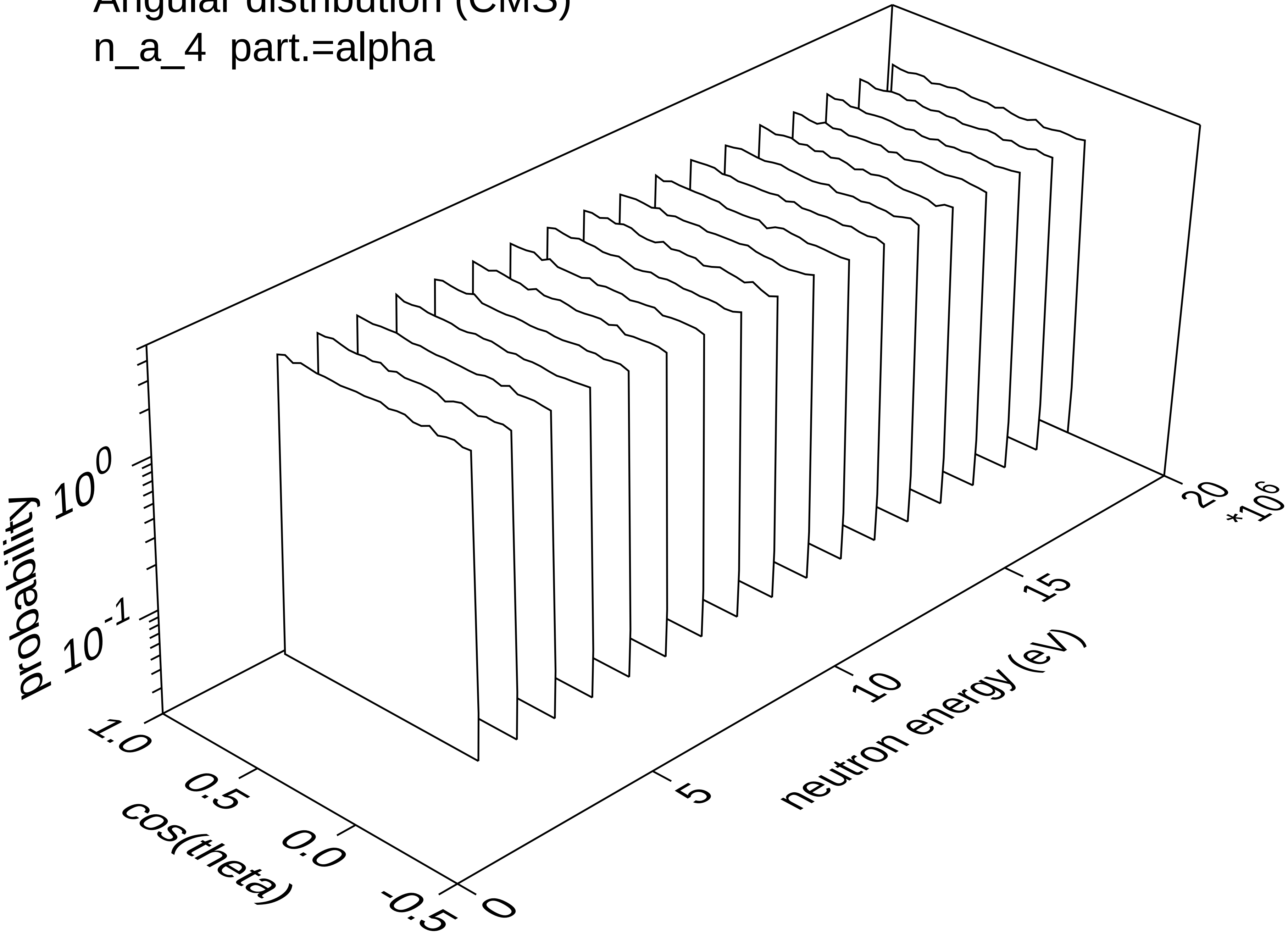


Angular distribution (CMS)
n_a_3 part.=alpha

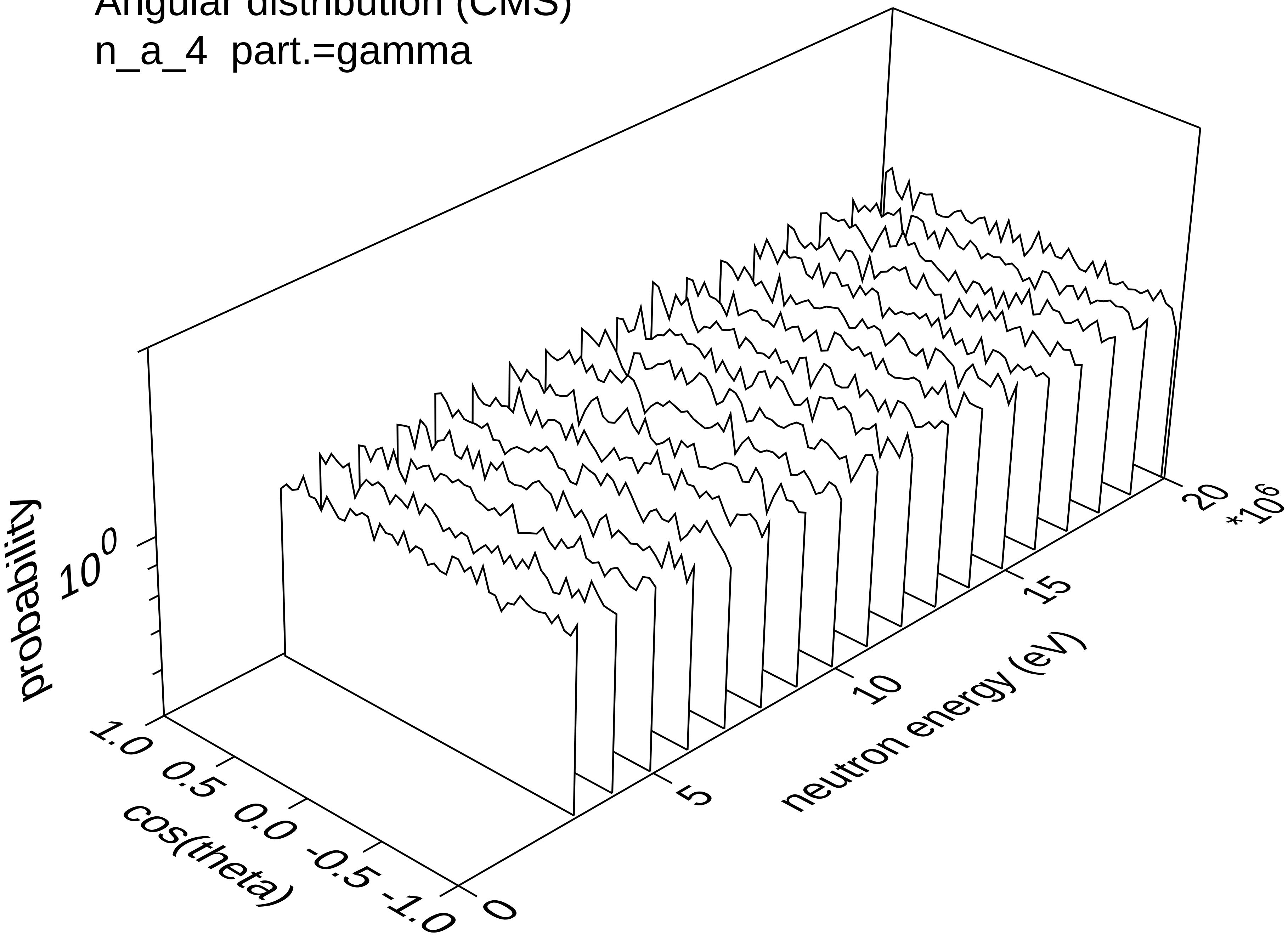


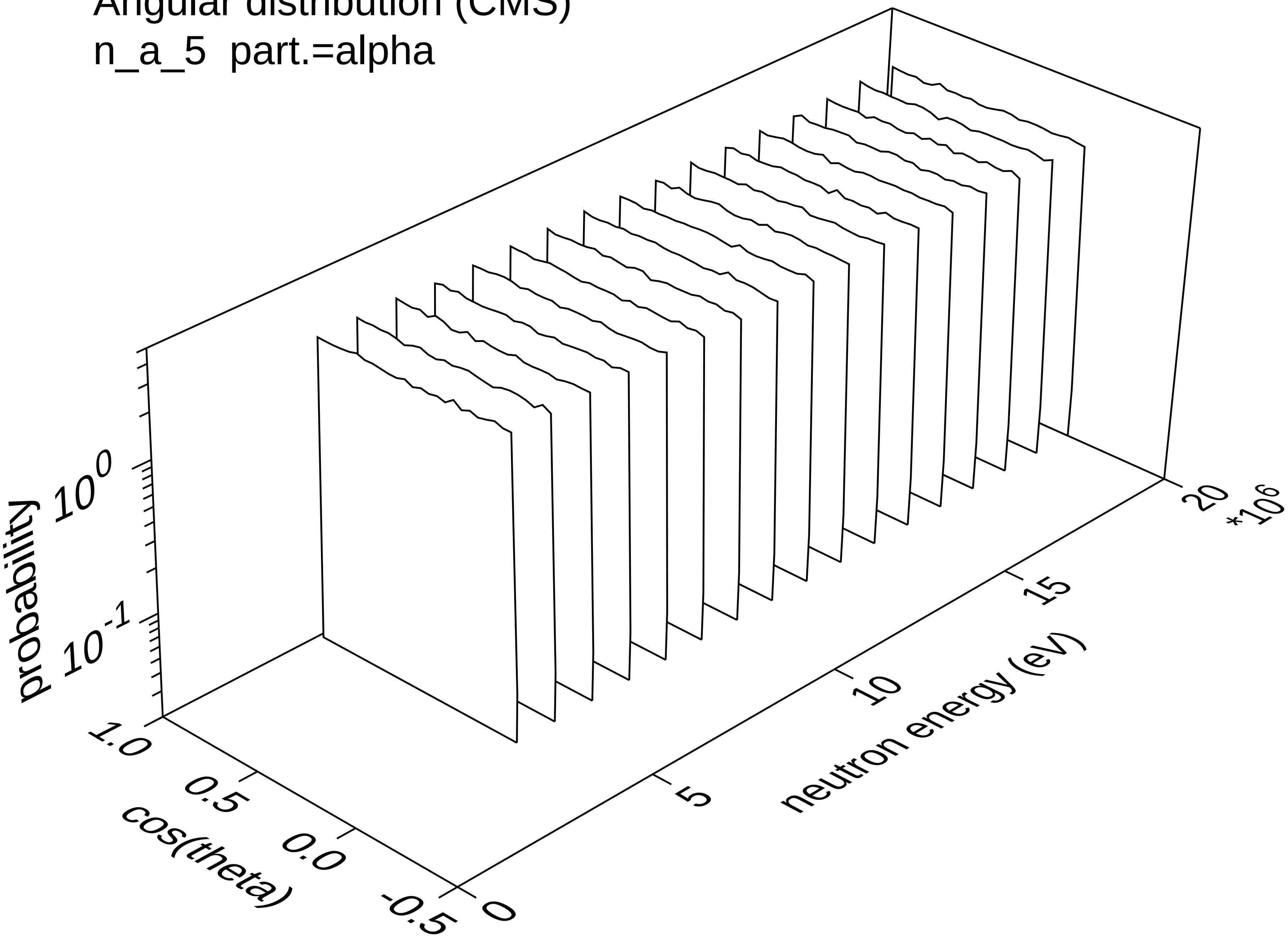

Angular distribution (CMS)
n_a_3 part.=gamma
probability
10^0
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
0
5
10
15
20
*10^6
neutron energy (eV)

Angular distribution (CMS)
n_a_4 part.=alpha

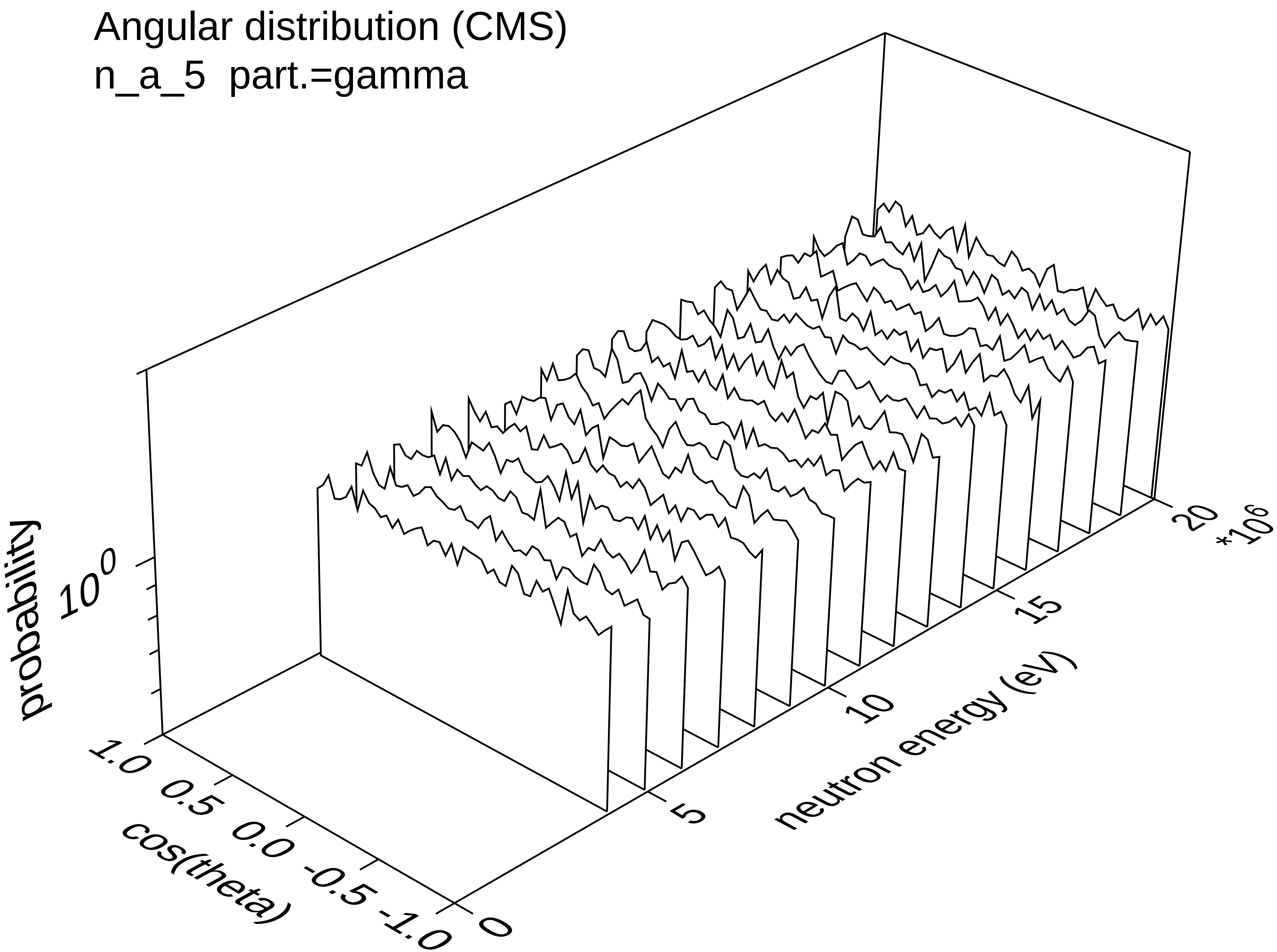


Angular distribution (CMS)
n_a_4 part.=gamma

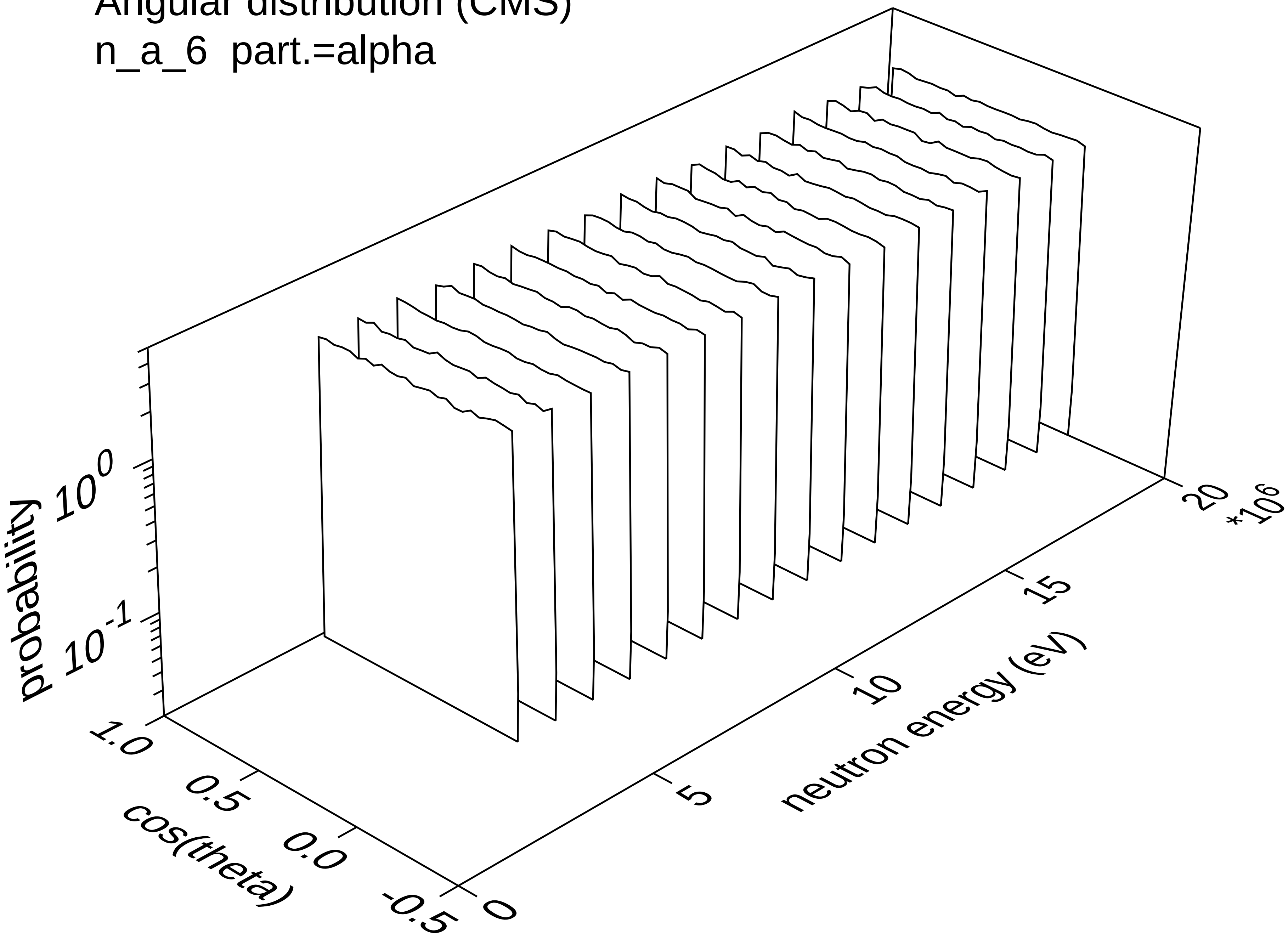




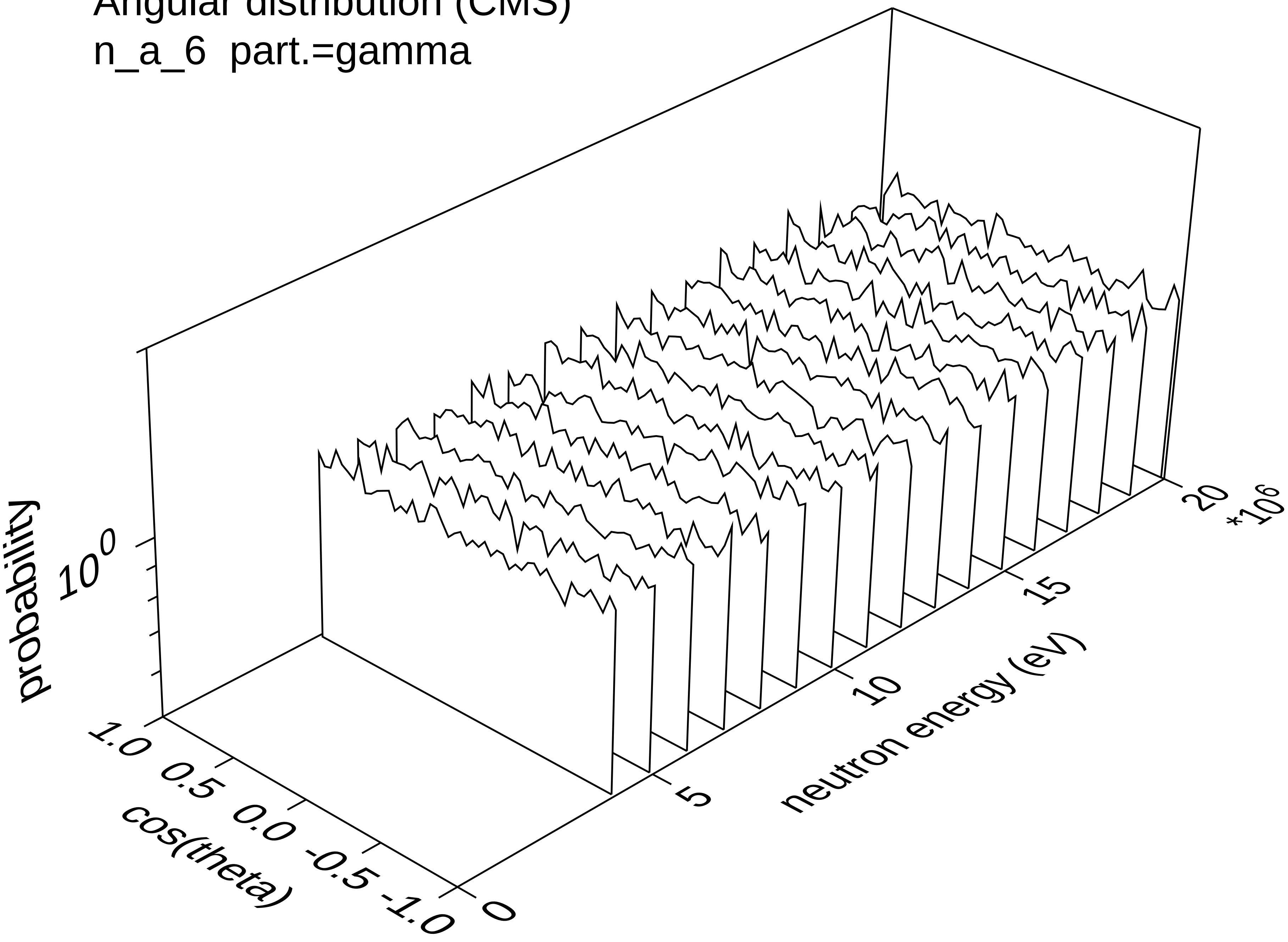
Angular distribution (CMS)
n_a_5 part.=alpha


Angular distribution (CMS)
n_a_5 part.=gamma
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)

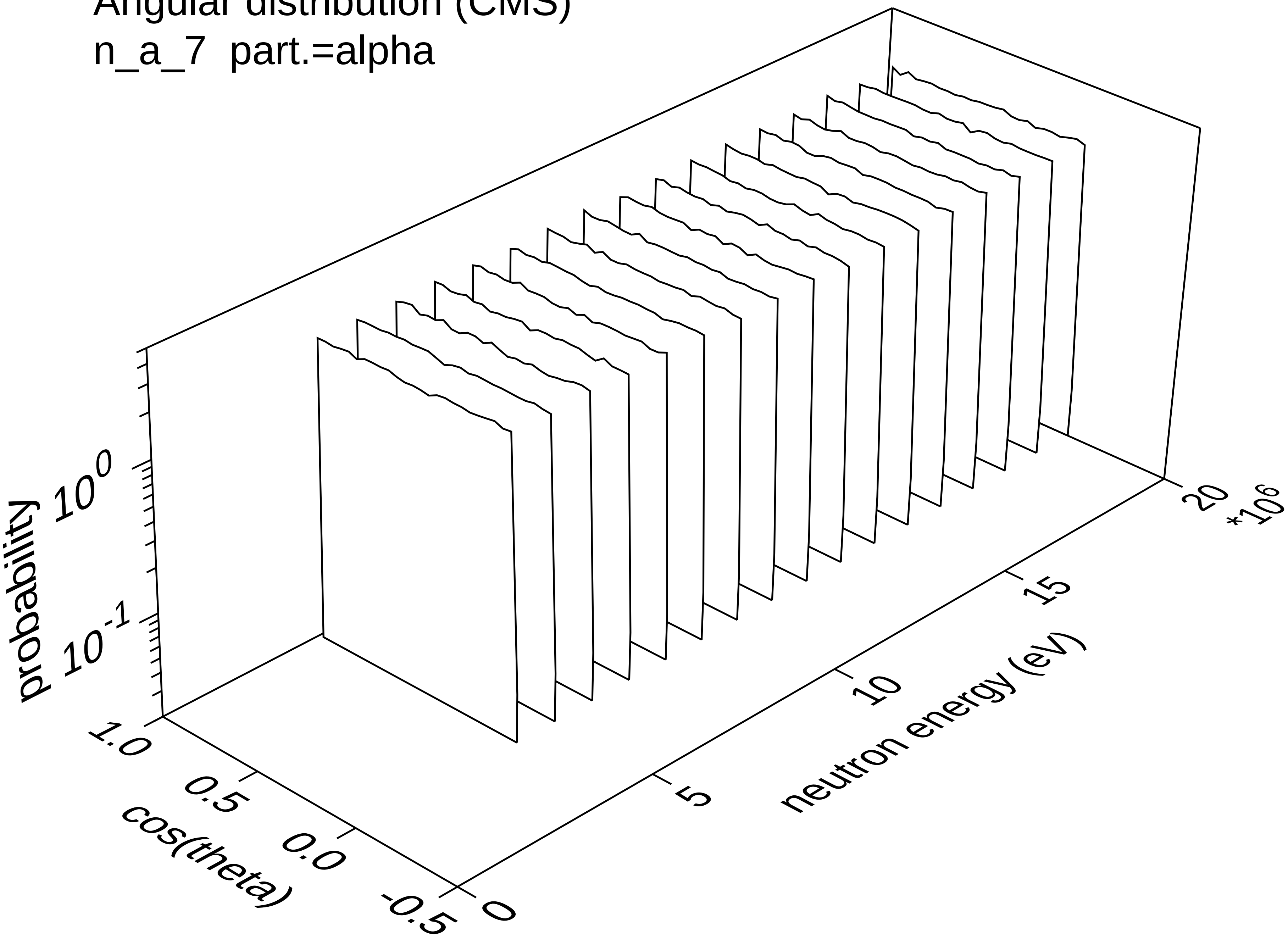
Angular distribution (CMS)
n_a_6 part.=alpha

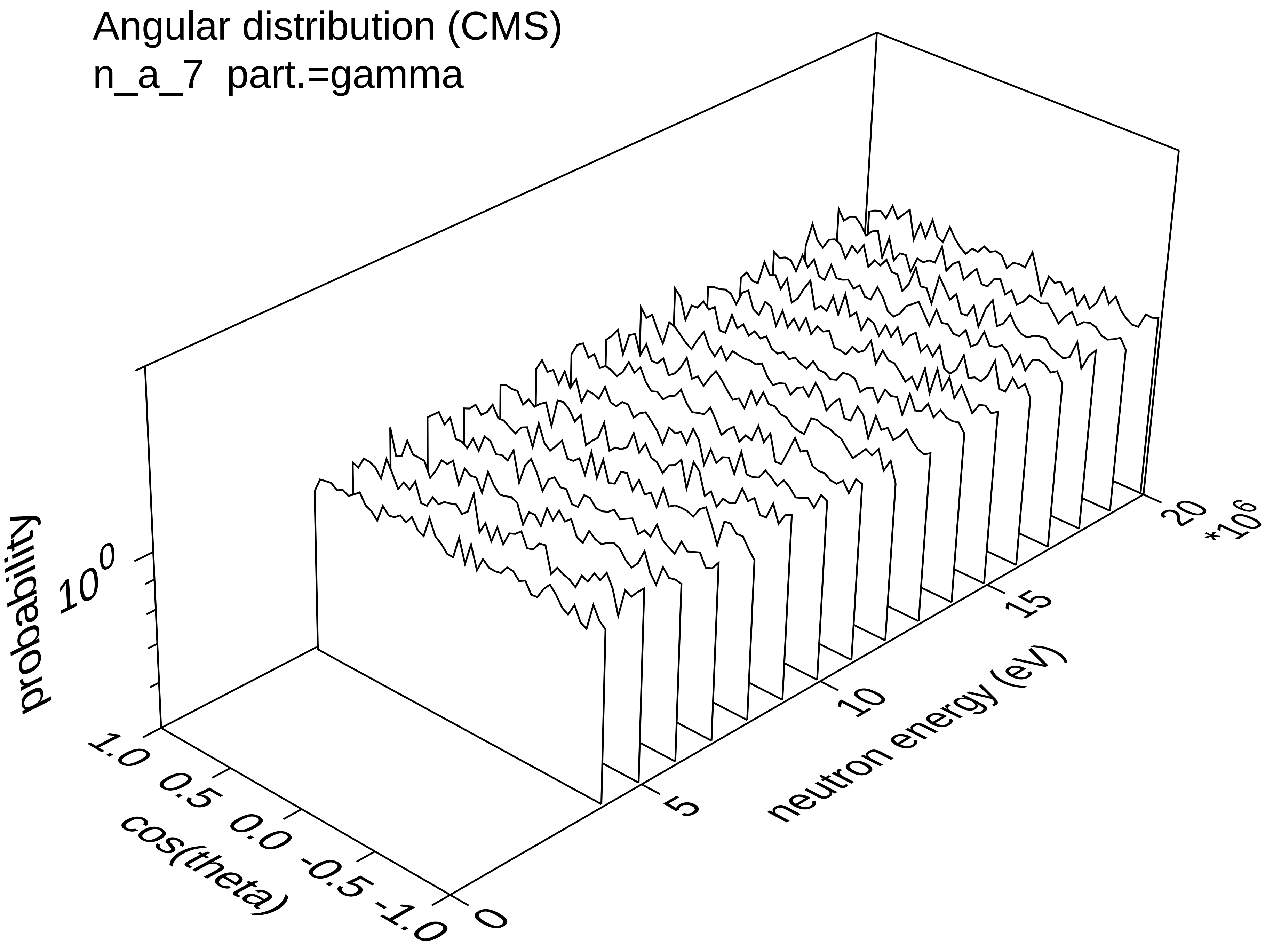


Angular distribution (CMS)
n_a_6 part.=gamma



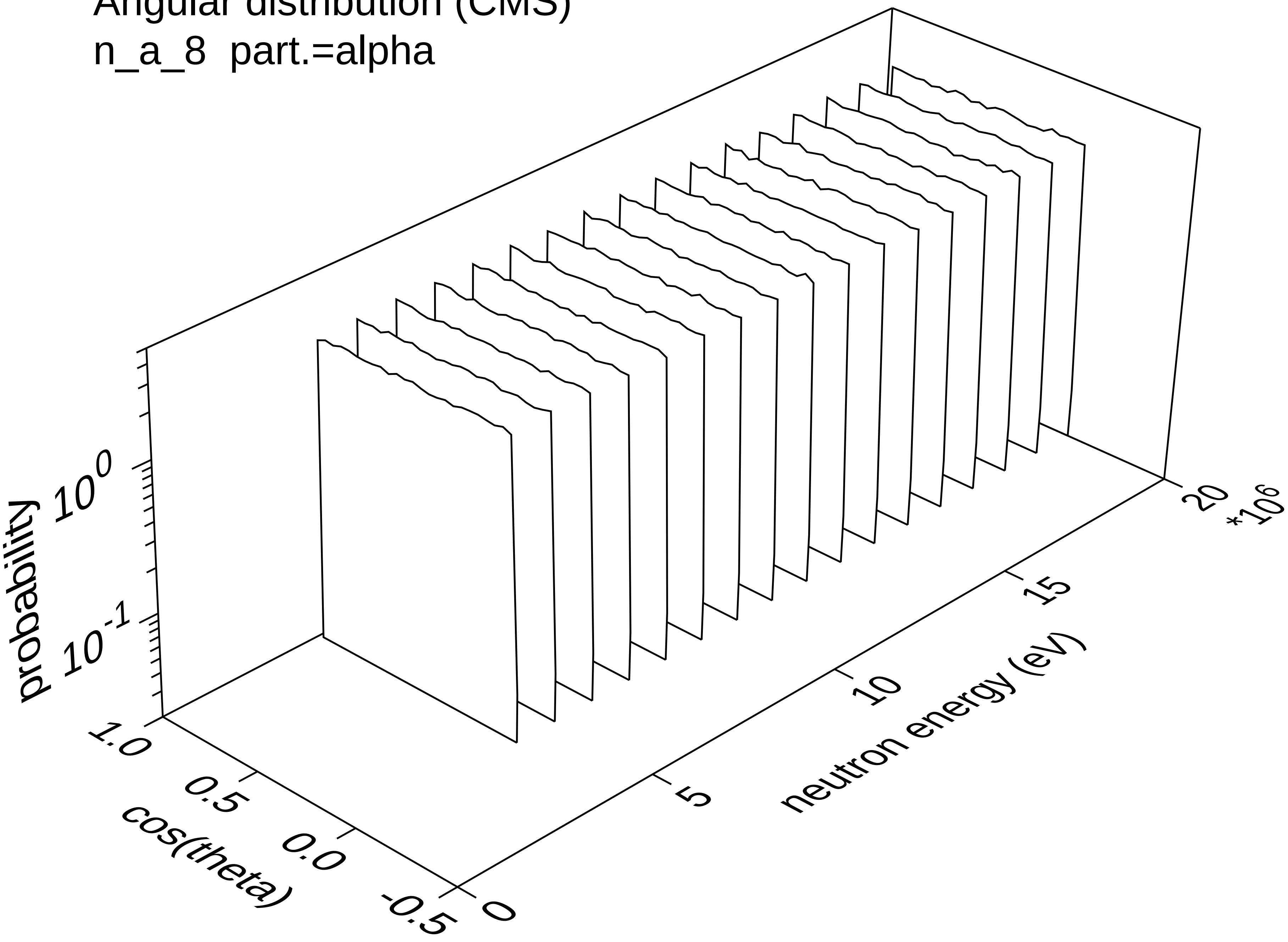
Angular distribution (CMS)
n_a_7 part.=alpha



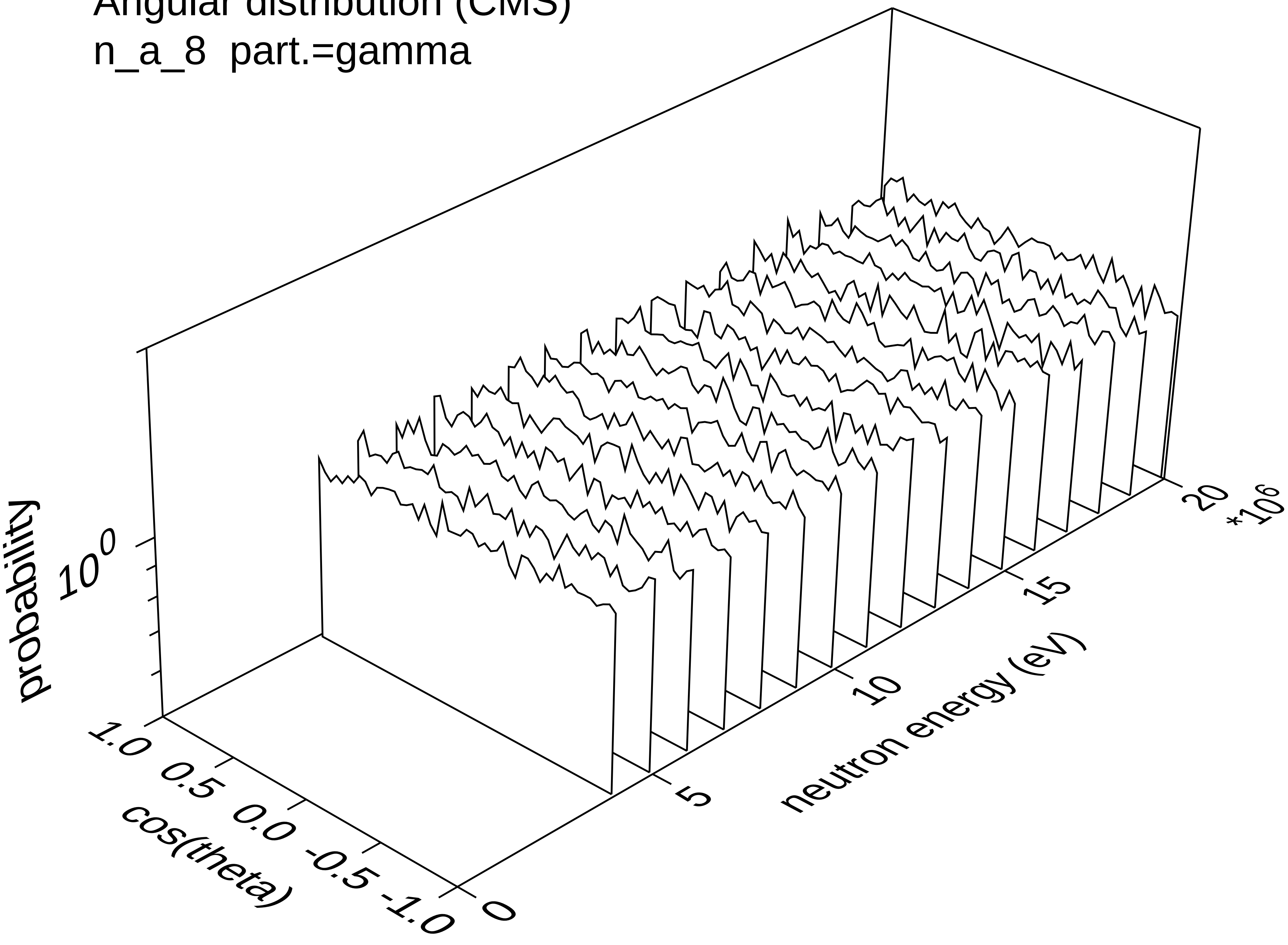


Angular distribution (CMS)
n_a_7 part.=gamma

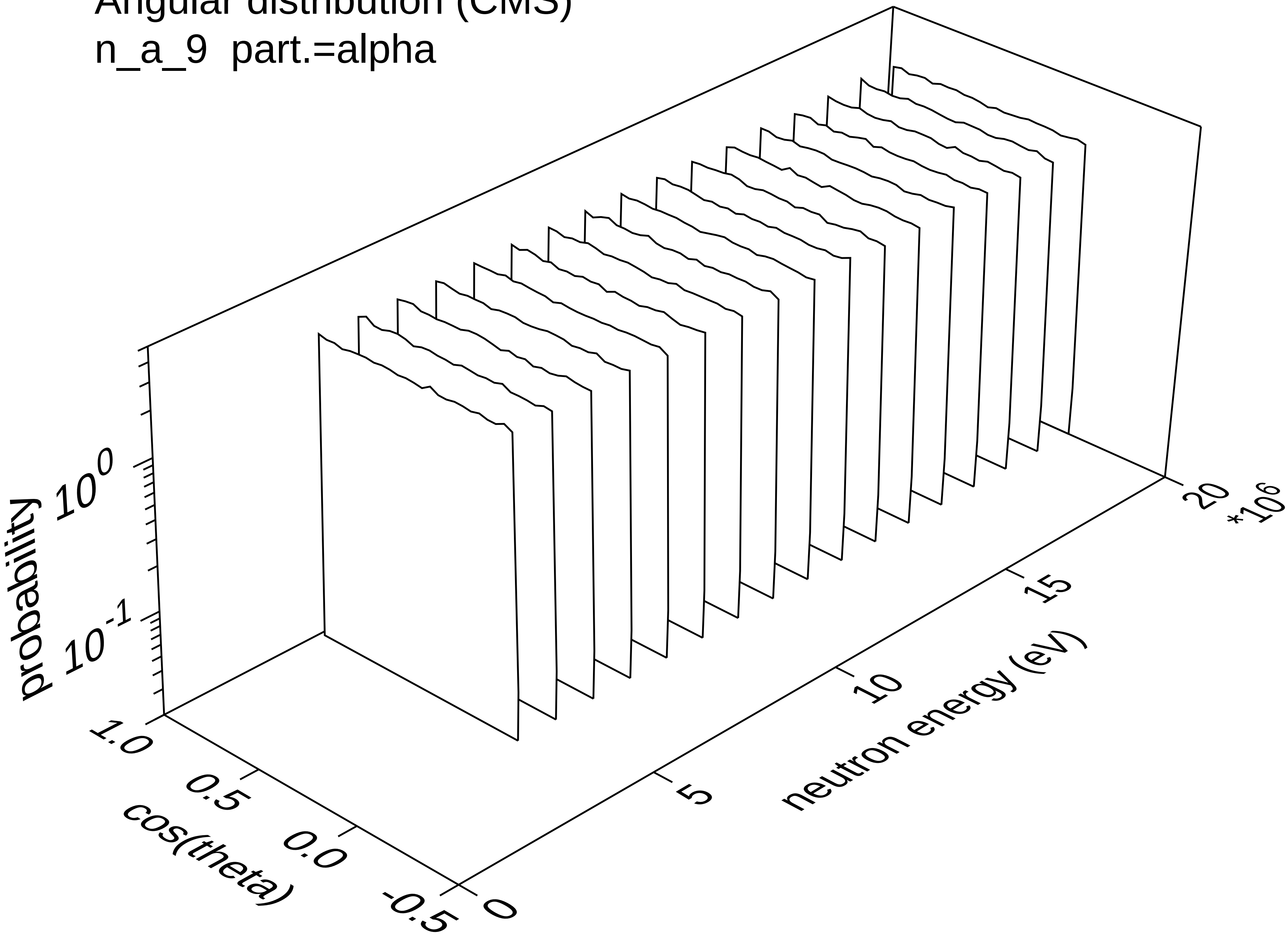
Angular distribution (CMS)
n_a_8 part.=alpha



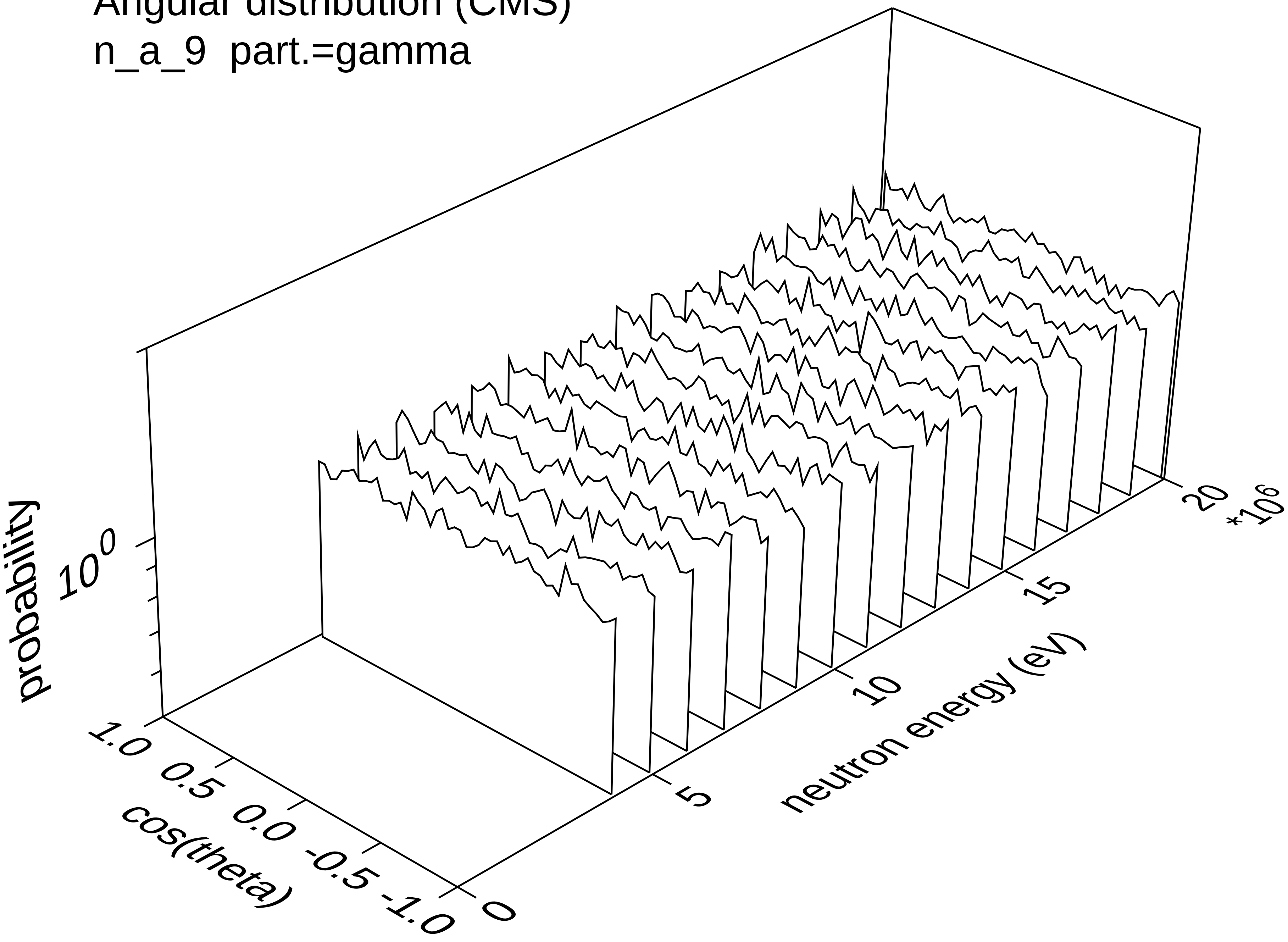
Angular distribution (CMS)
n_a_8 part.=gamma



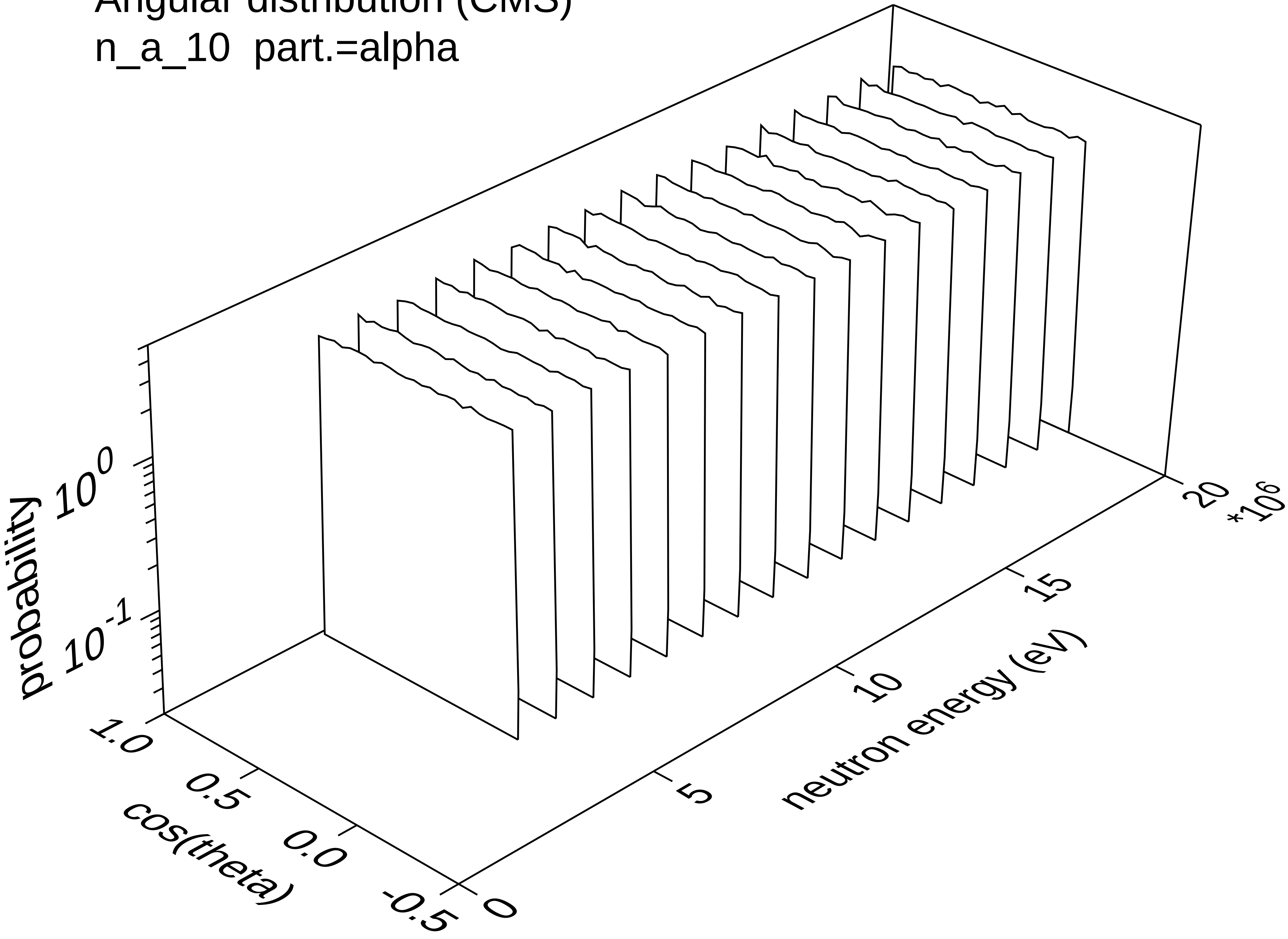
Angular distribution (CMS)
n_a_9 part.=alpha



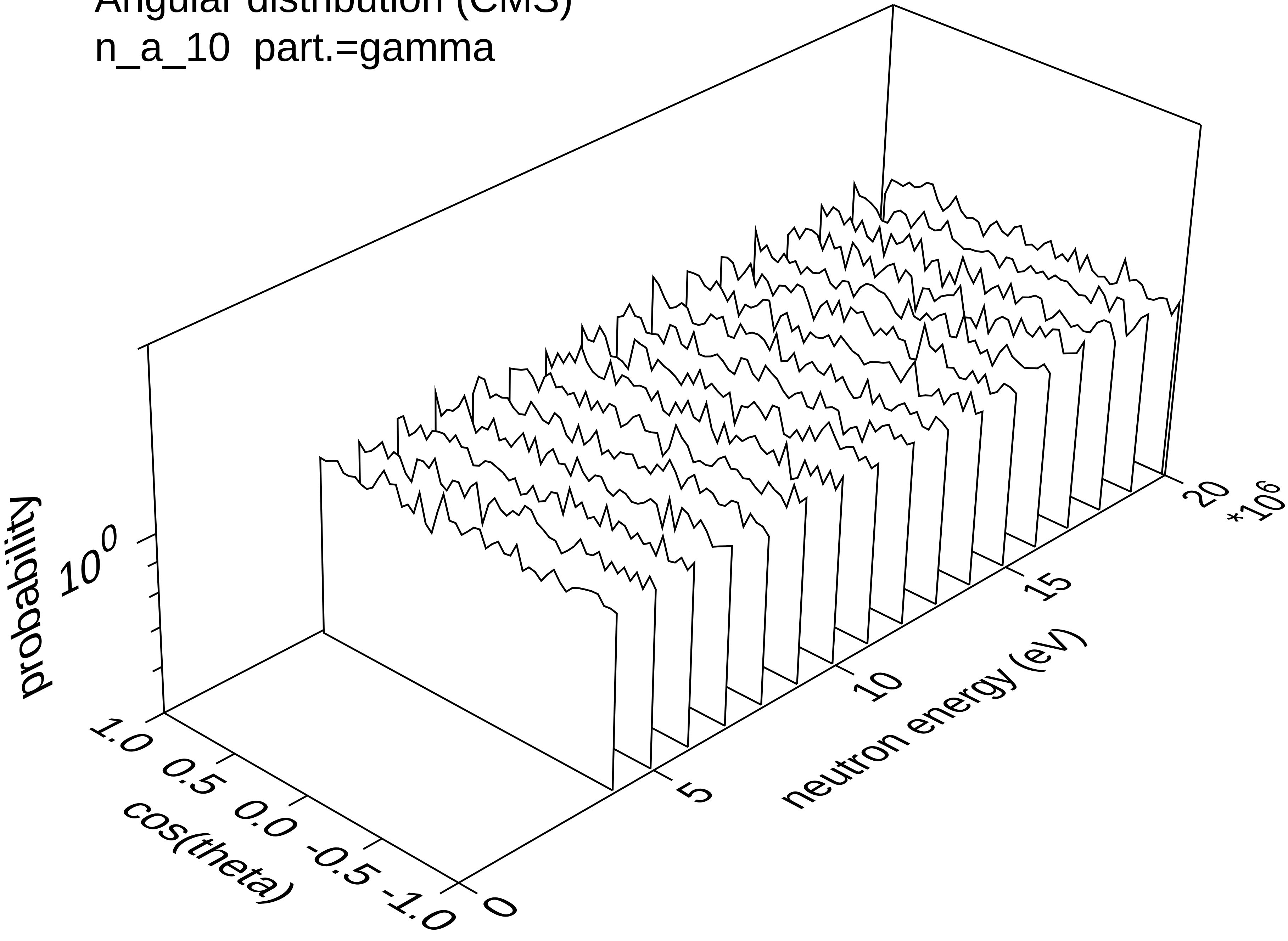
Angular distribution (CMS)
n_a_9 part.=gamma



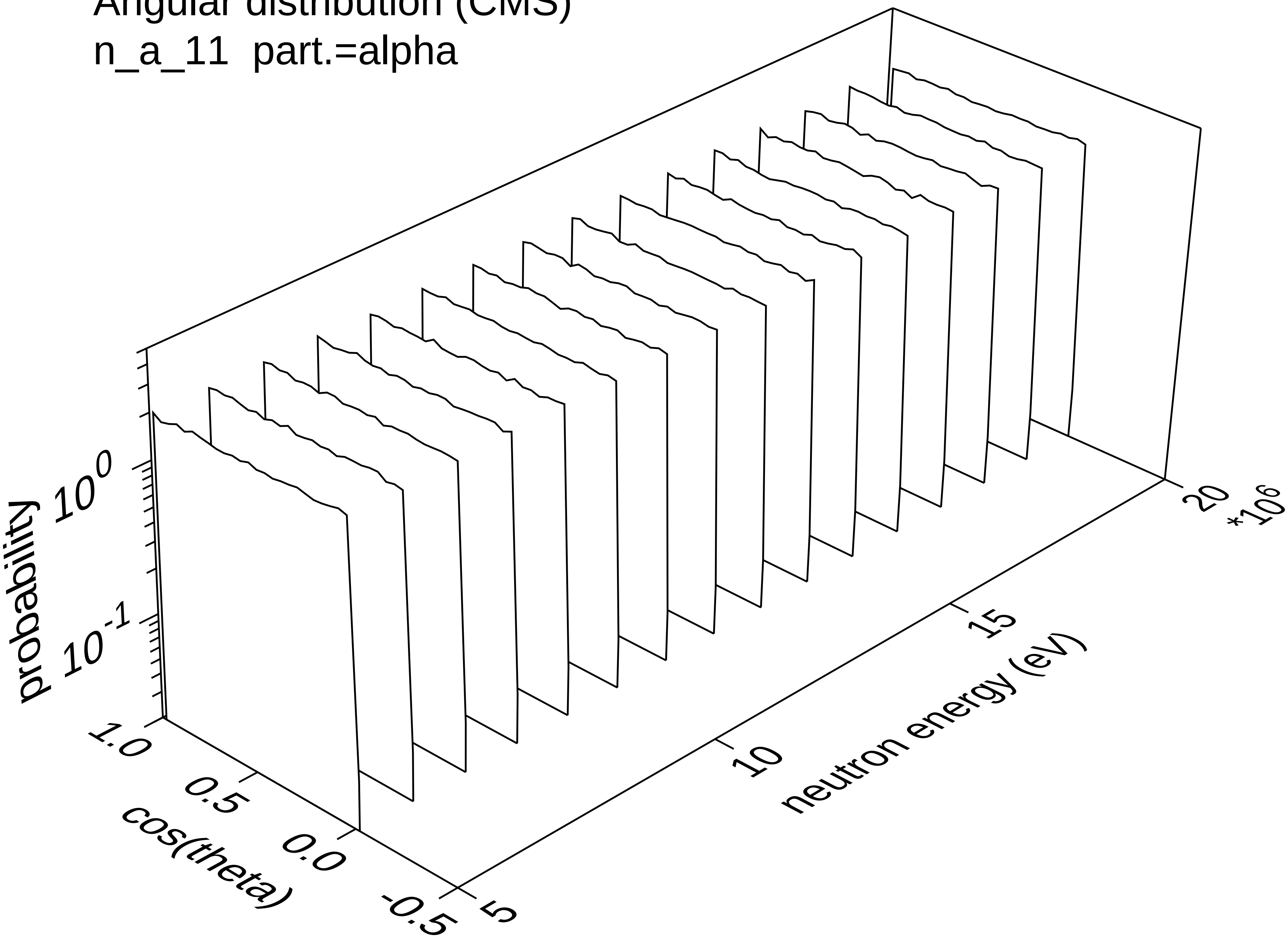
Angular distribution (CMS)
n_a_10 part.=alpha



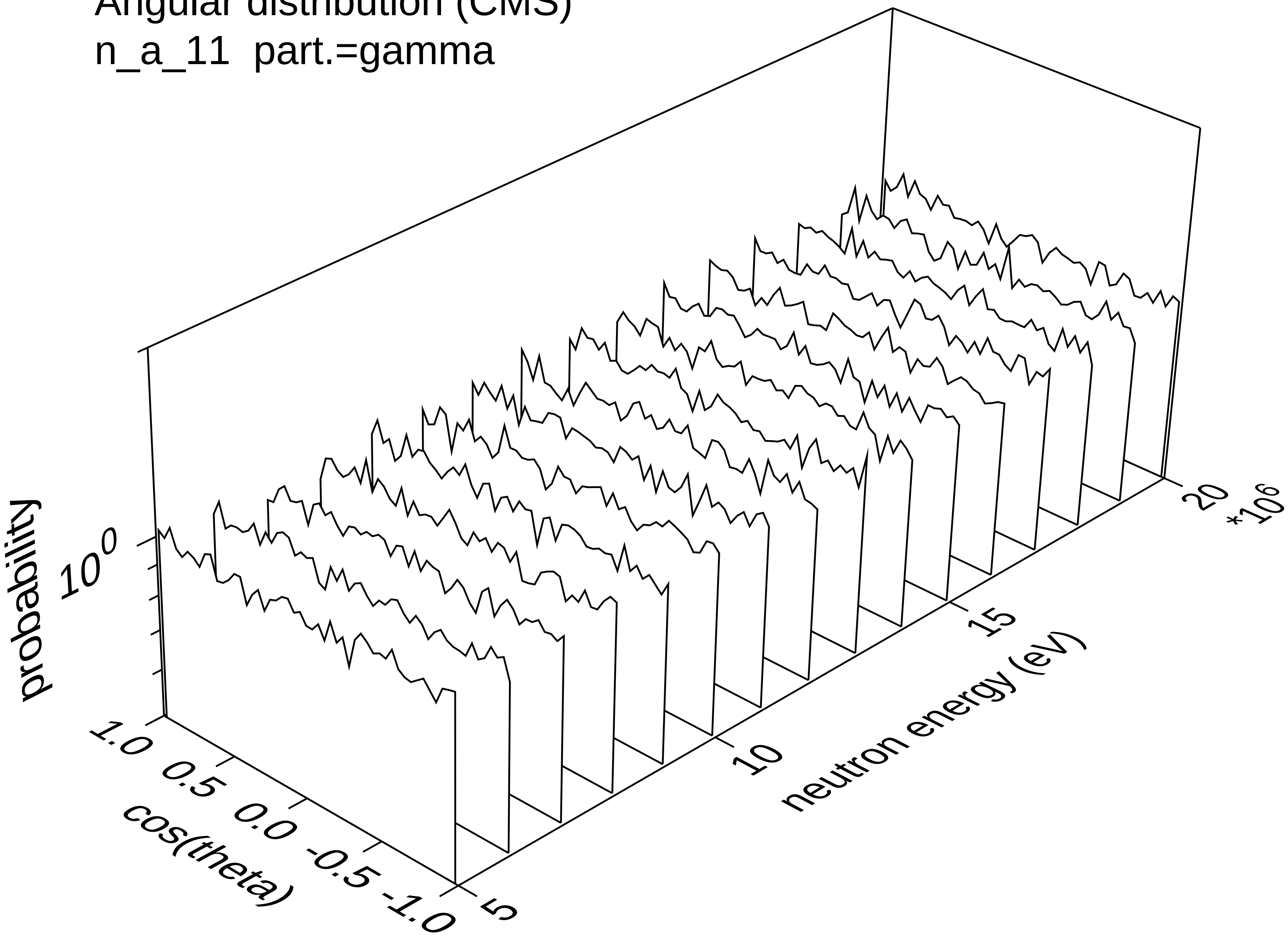
Angular distribution (CMS)
n_a_10 part.=gamma



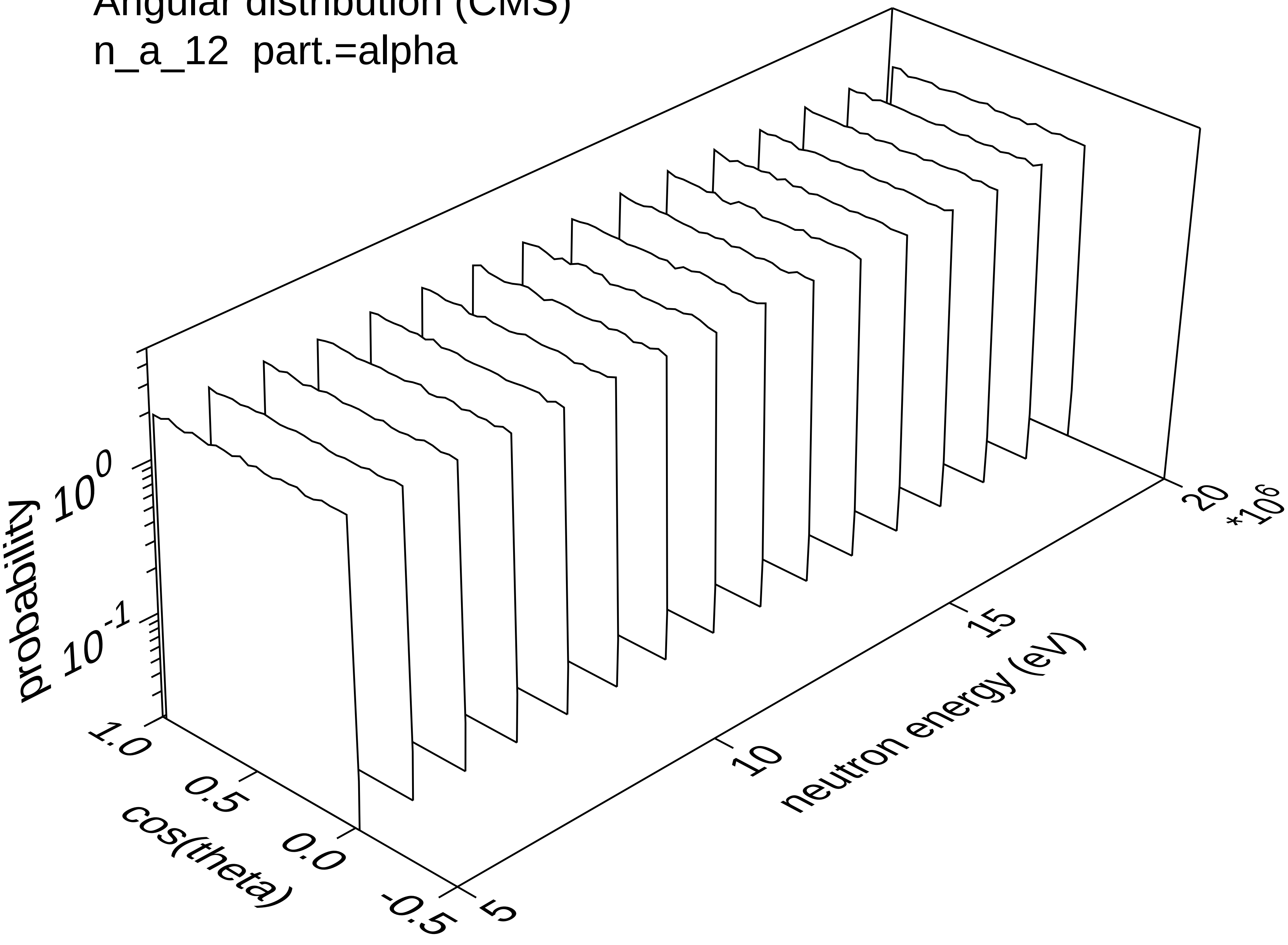
Angular distribution (CMS)
n_a_11 part.=alpha



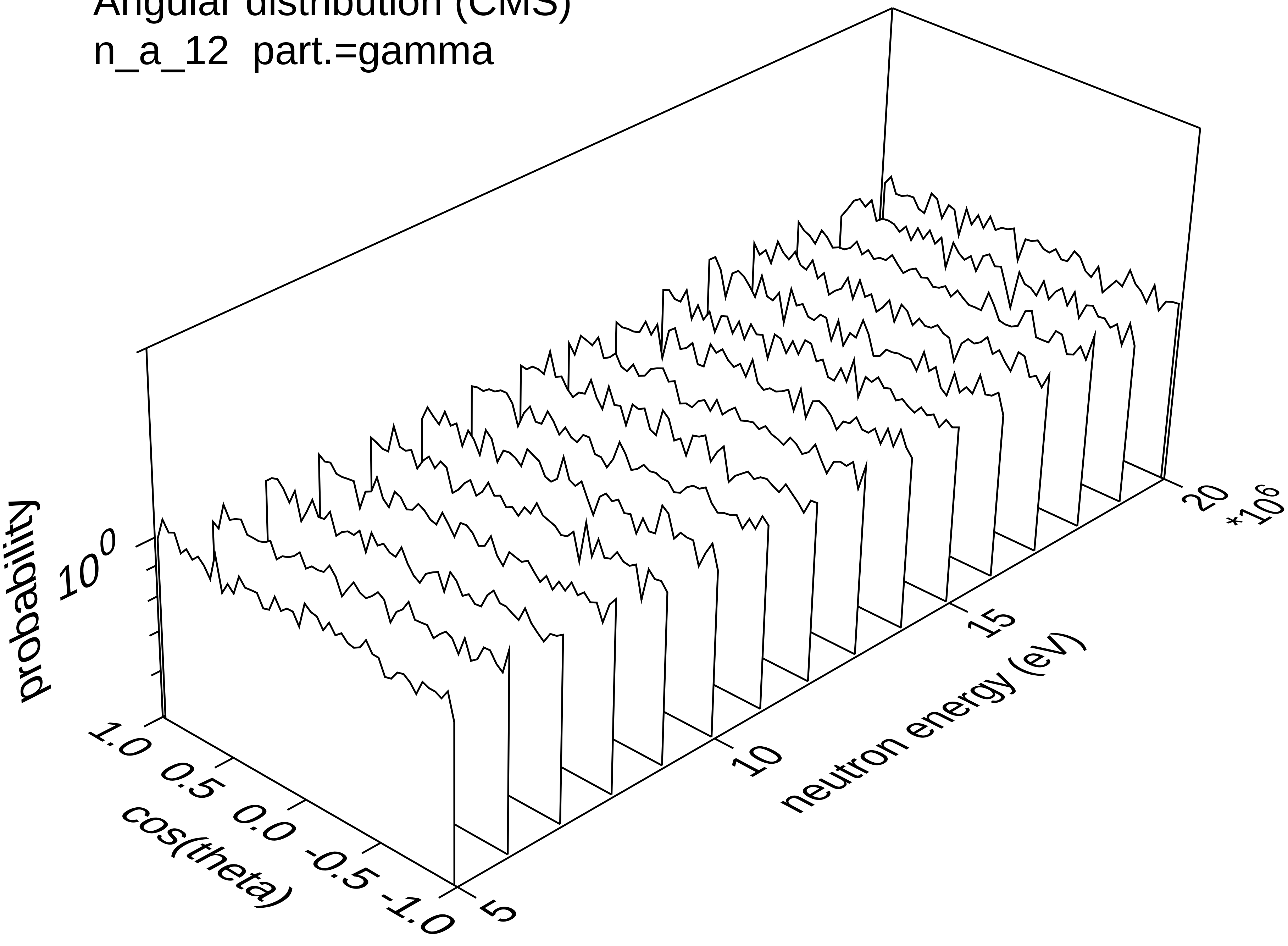
Angular distribution (CMS)
n_a_11 part.=gamma



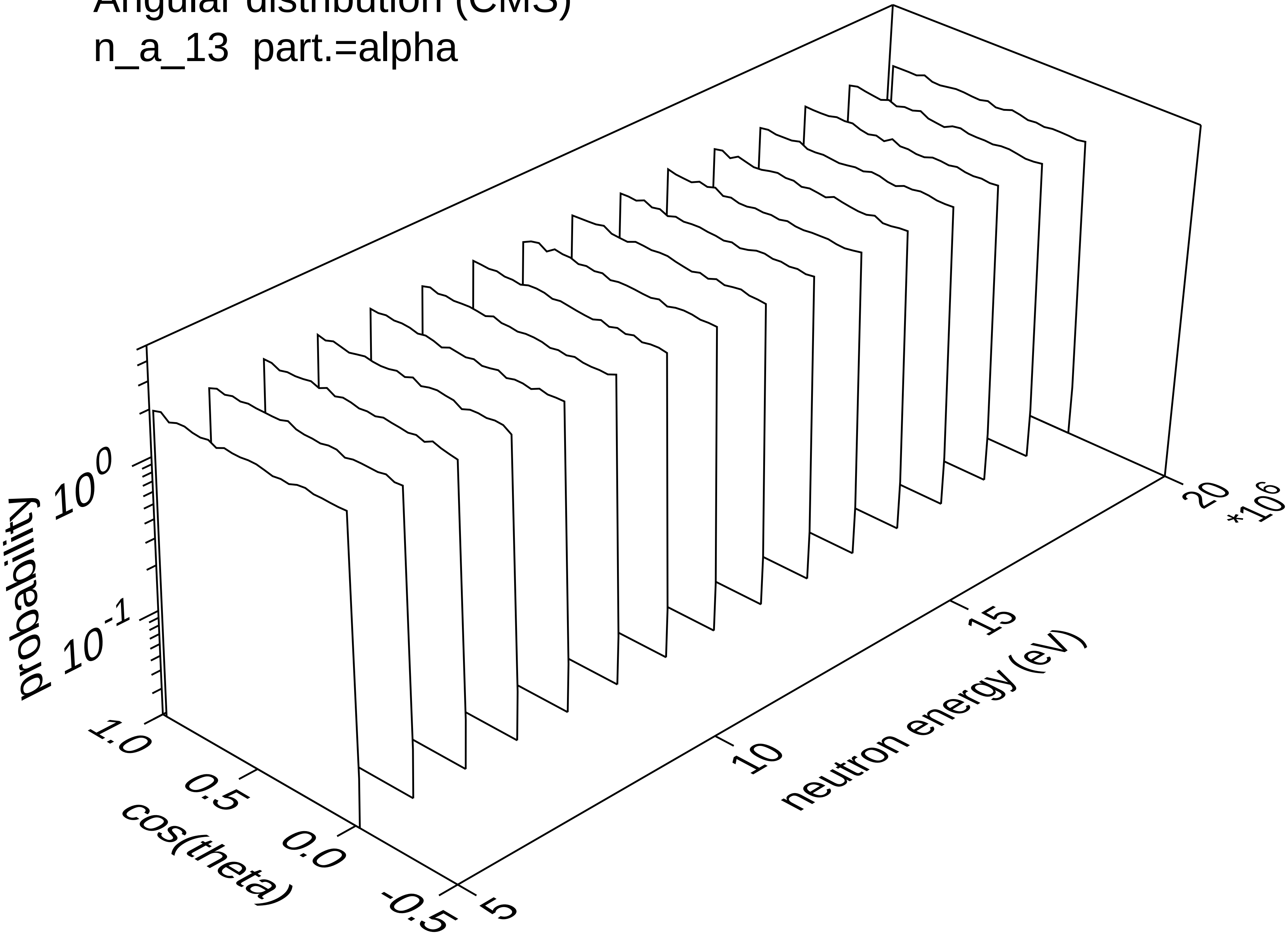
Angular distribution (CMS)
n_a_12 part.=alpha



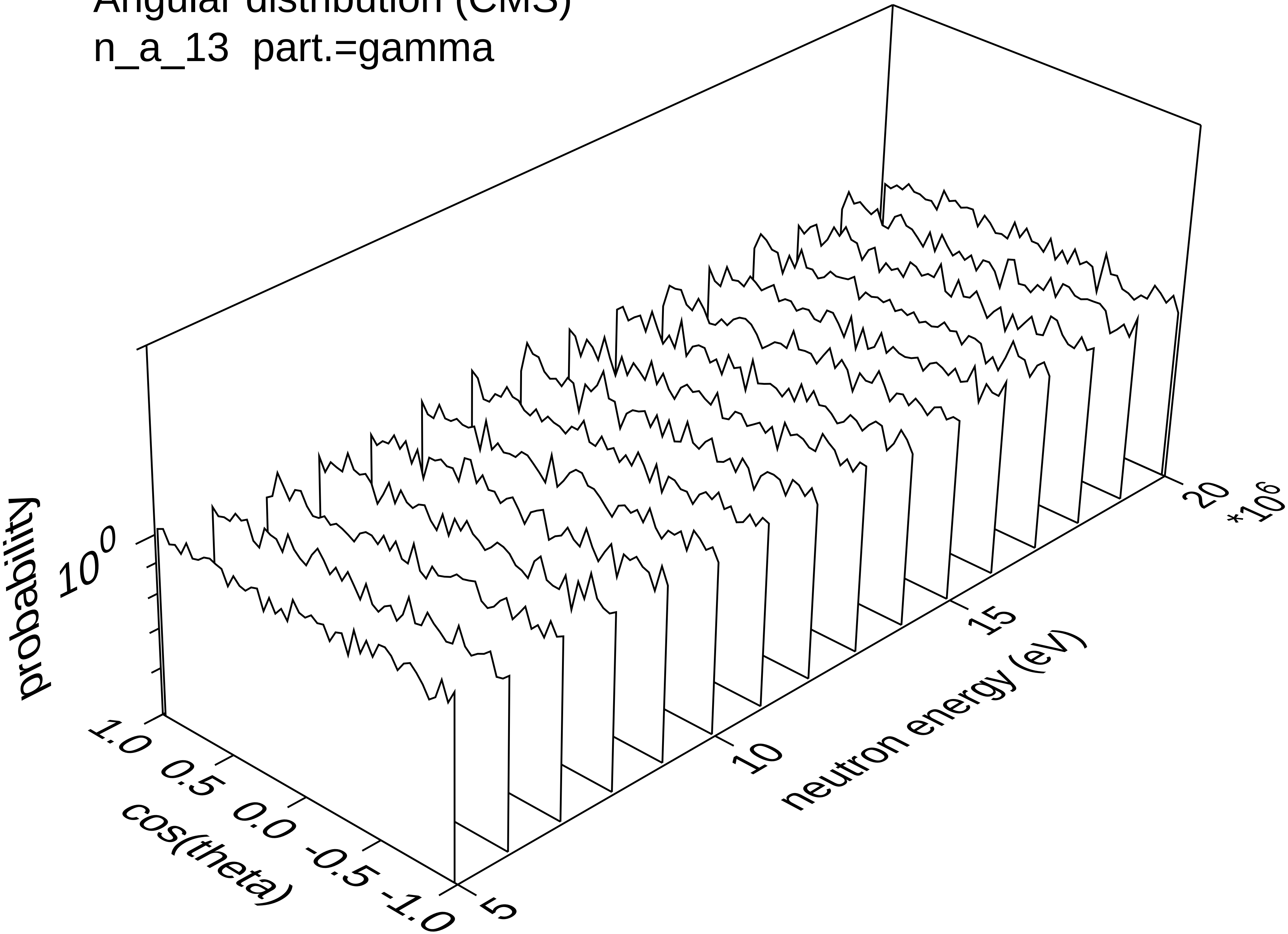
Angular distribution (CMS)
n_a_12 part.=gamma



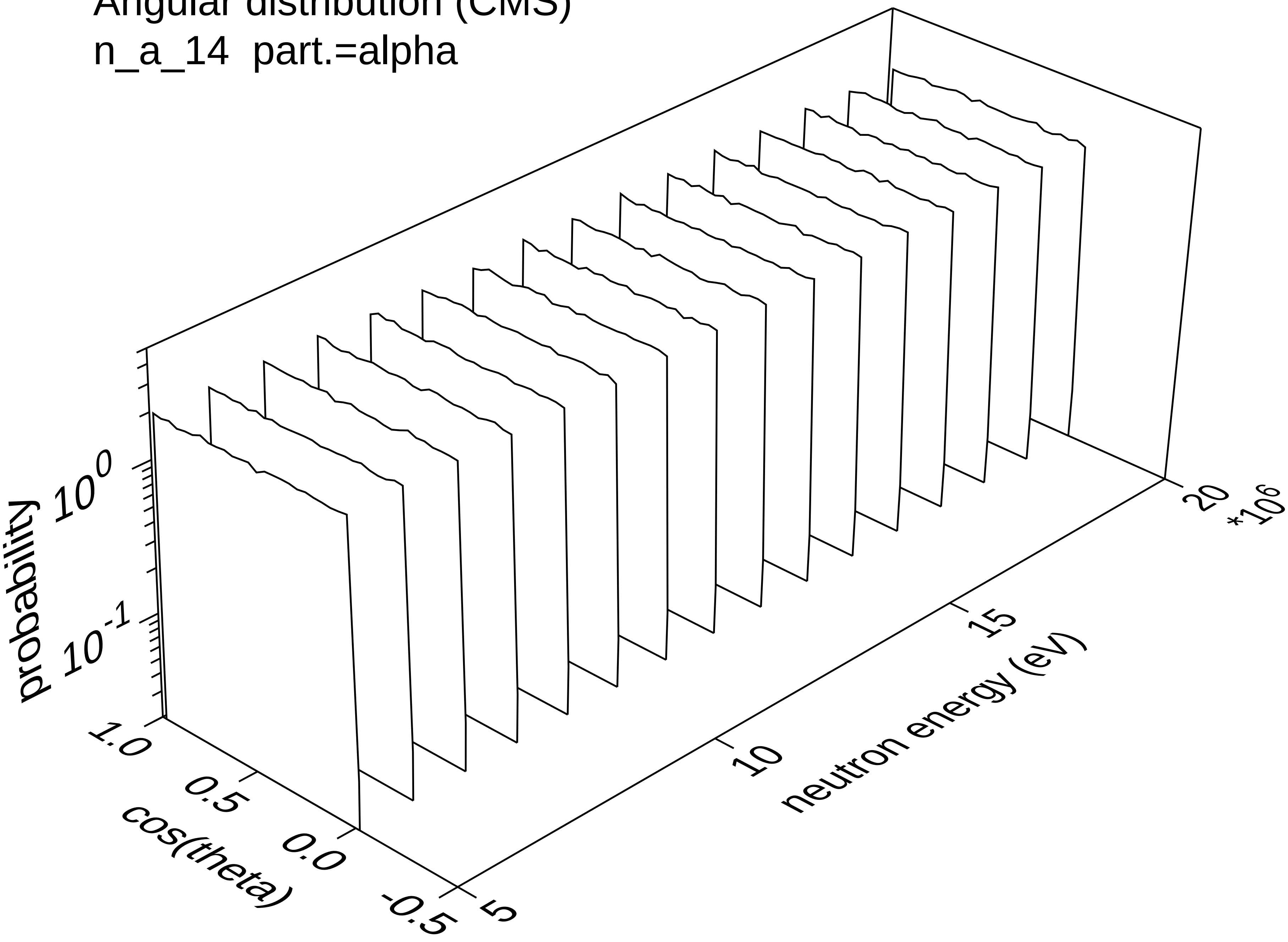
Angular distribution (CMS)
n_a_13 part.=alpha



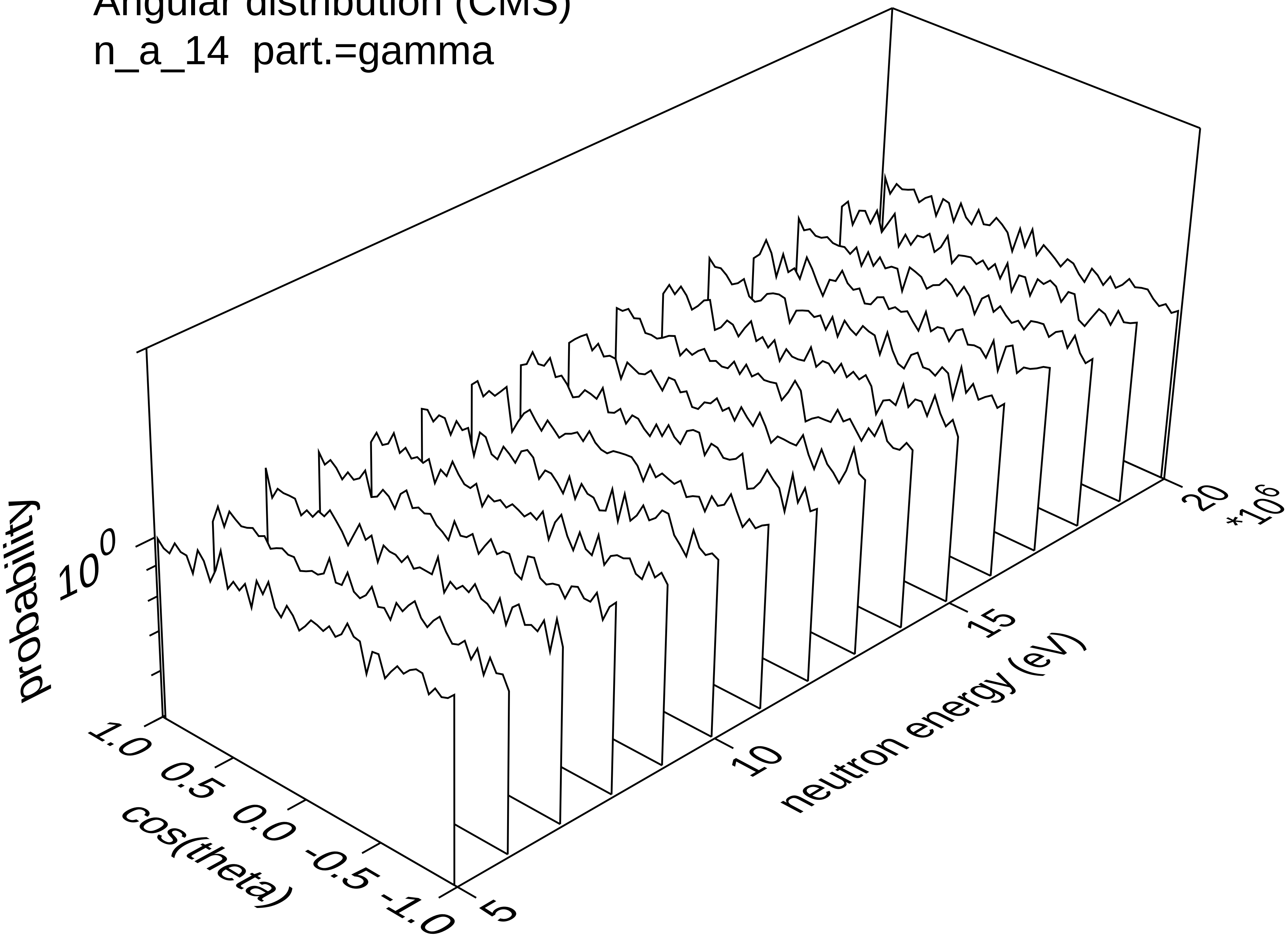
Angular distribution (CMS)
n_a_13 part.=gamma



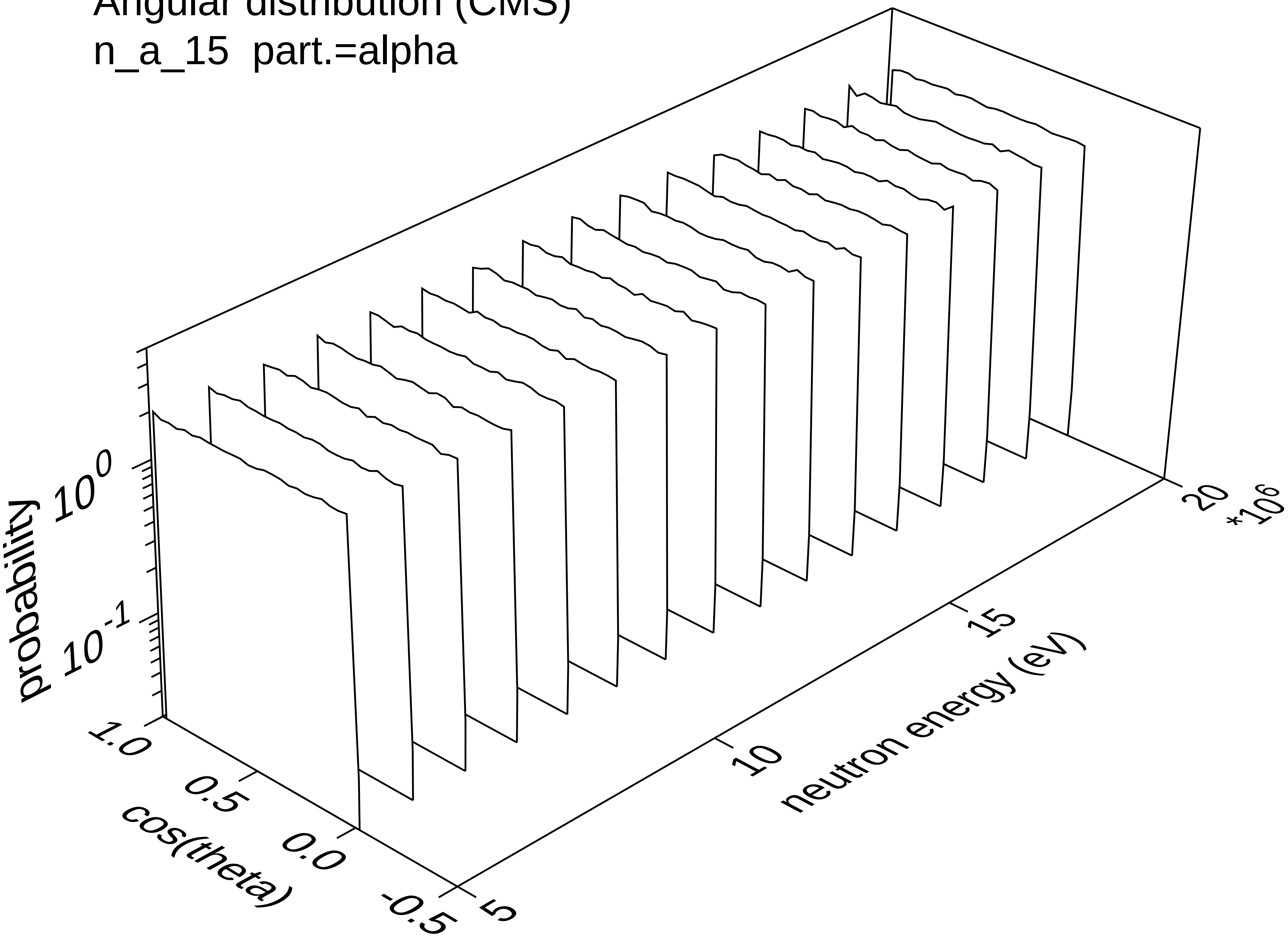
Angular distribution (CMS)
n_a_14 part.=alpha



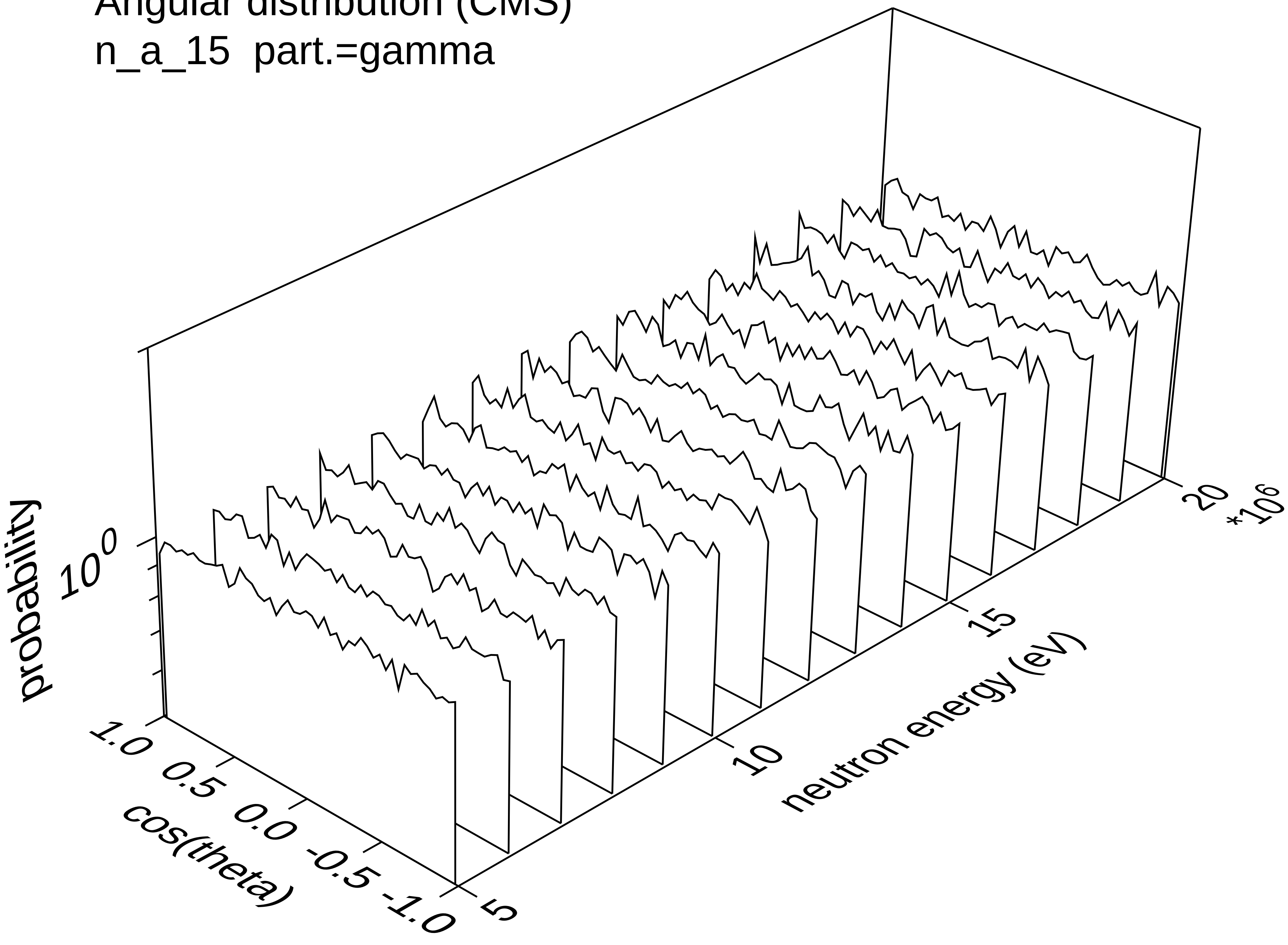
Angular distribution (CMS)
n_a_14 part.=gamma



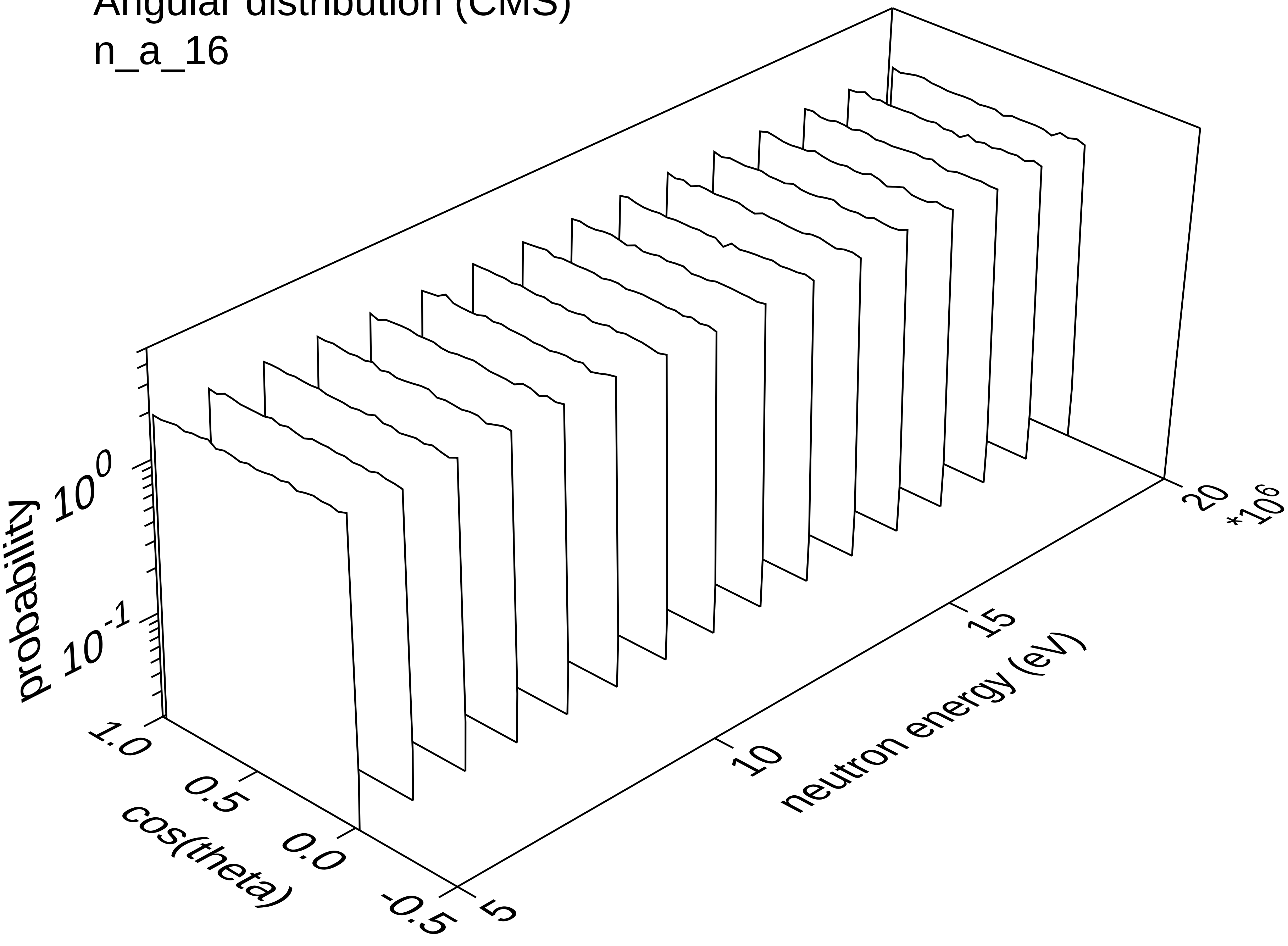
Angular distribution (CMS)
n_a_15 part.=alpha



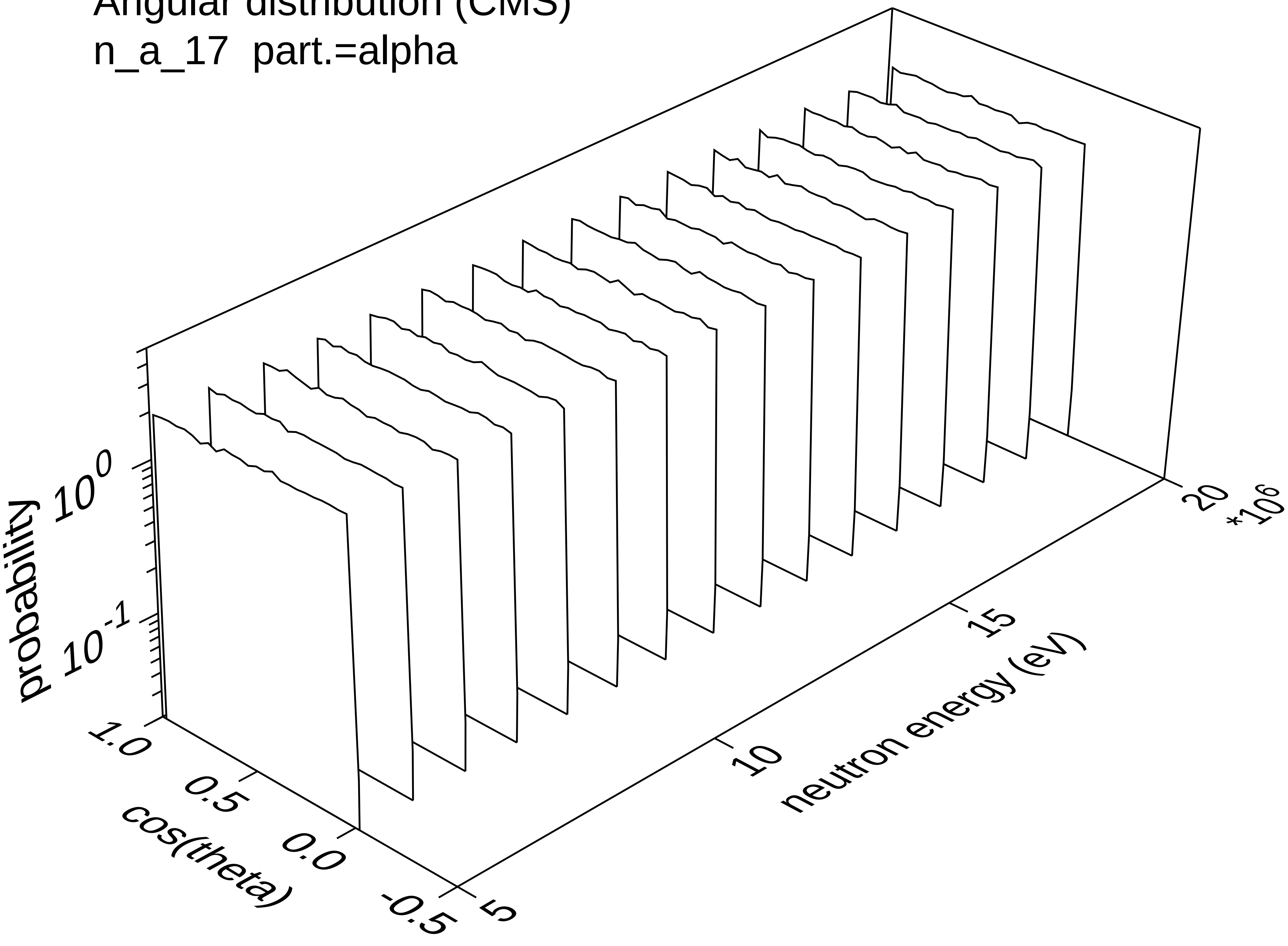
Angular distribution (CMS)
n_a_15 part.=gamma



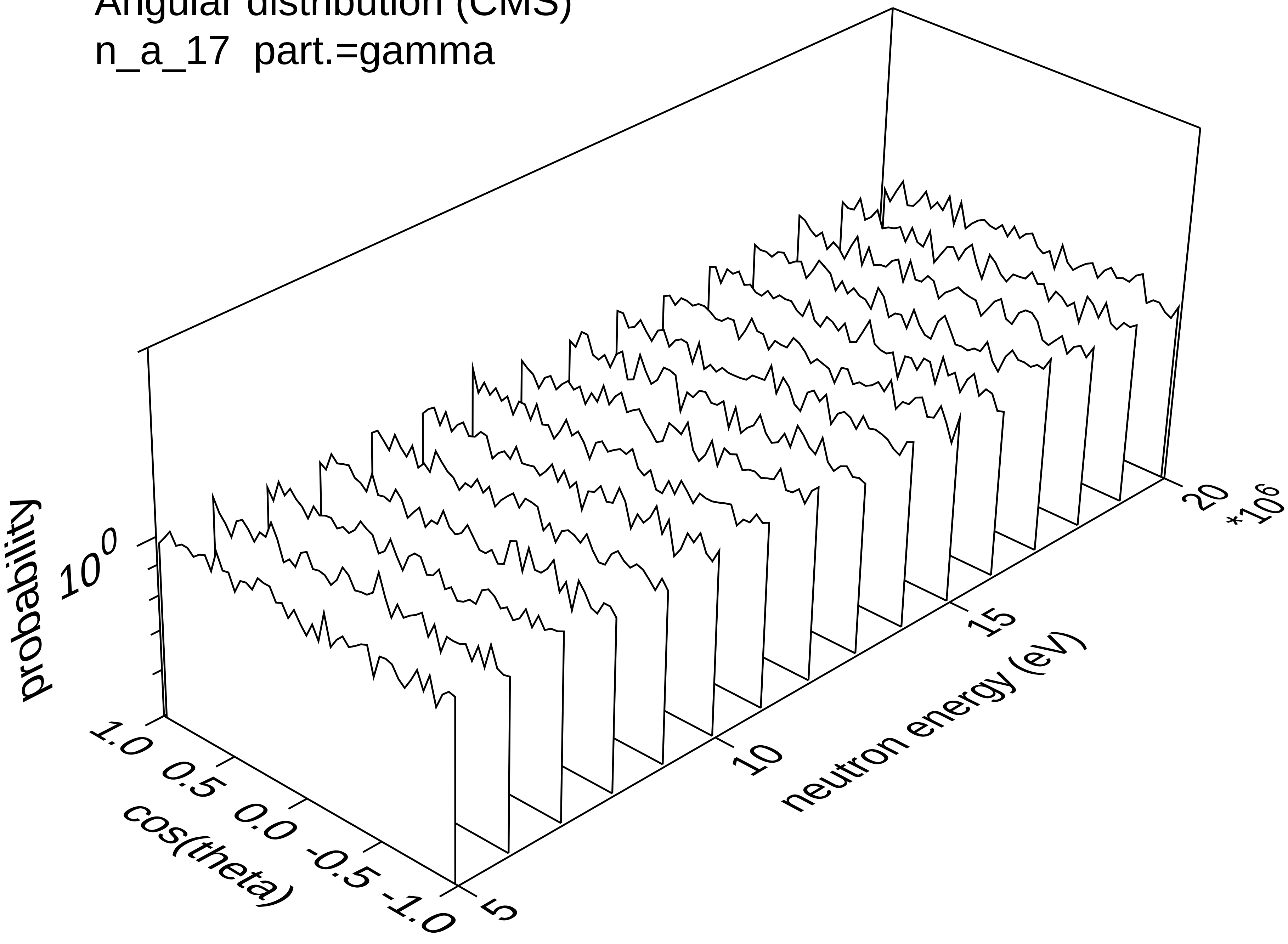
Angular distribution (CMS)
n_a_16



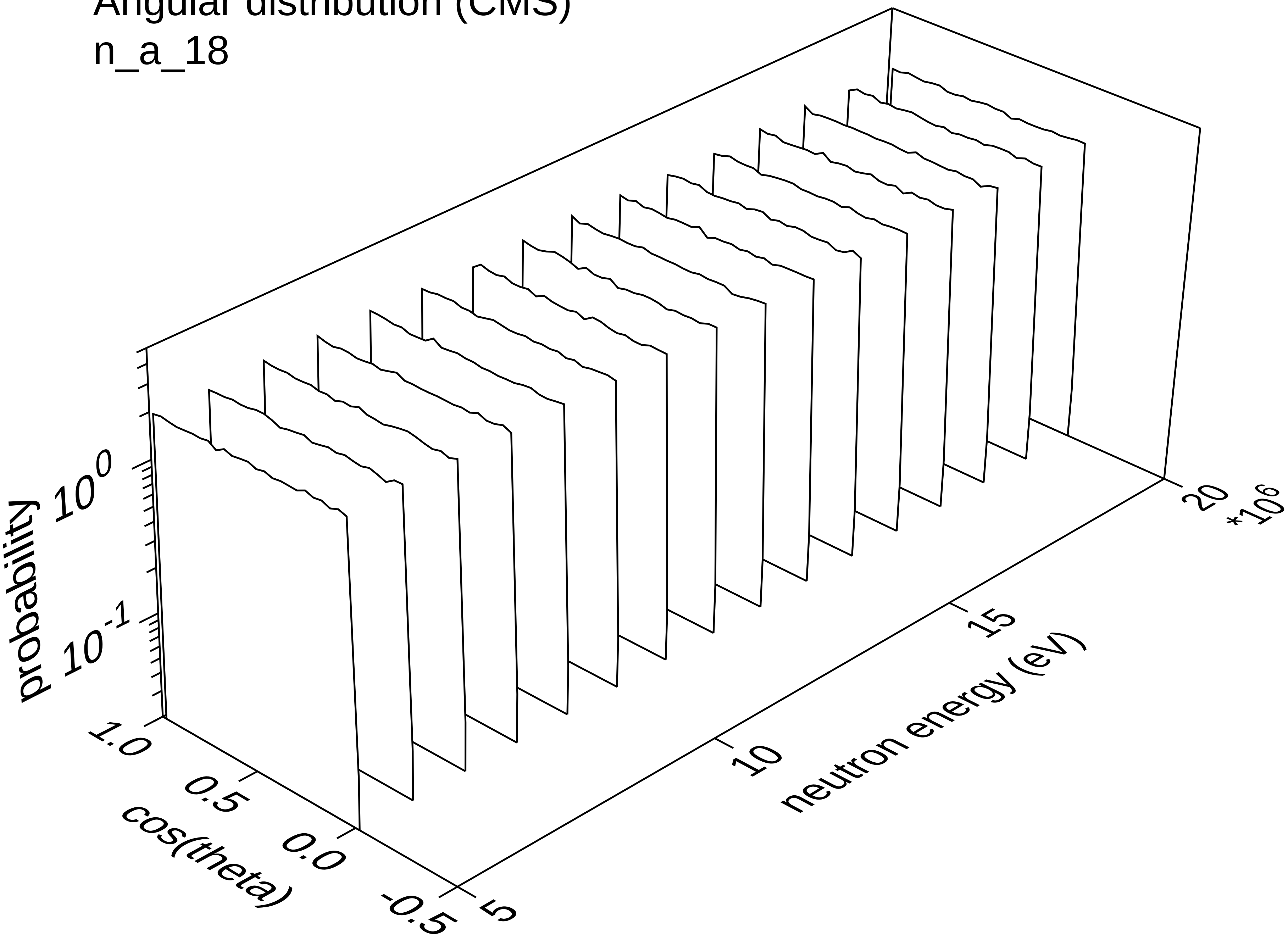
Angular distribution (CMS)
n_a_17 part.=alpha



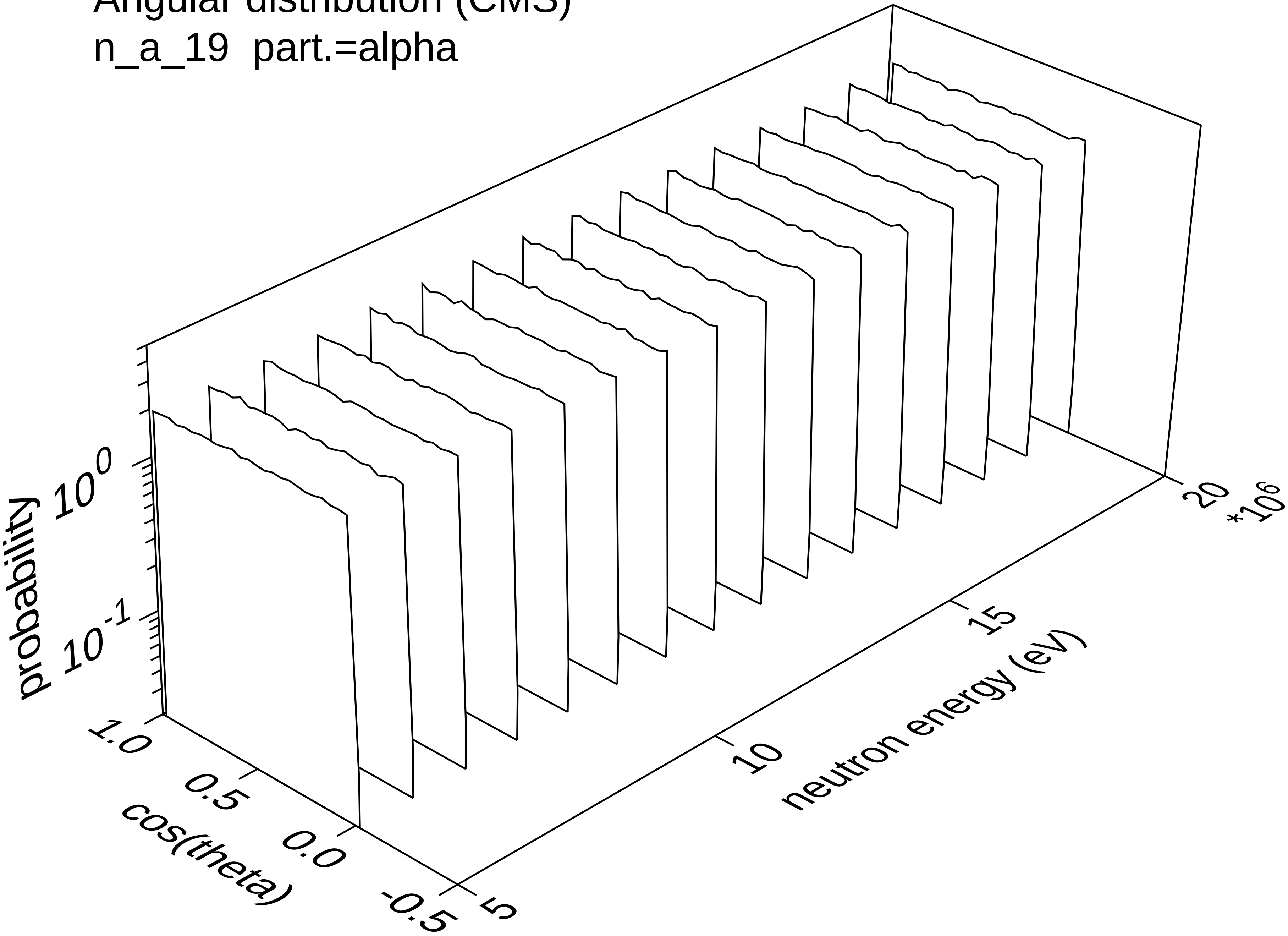
Angular distribution (CMS)
n_a_17 part.=gamma



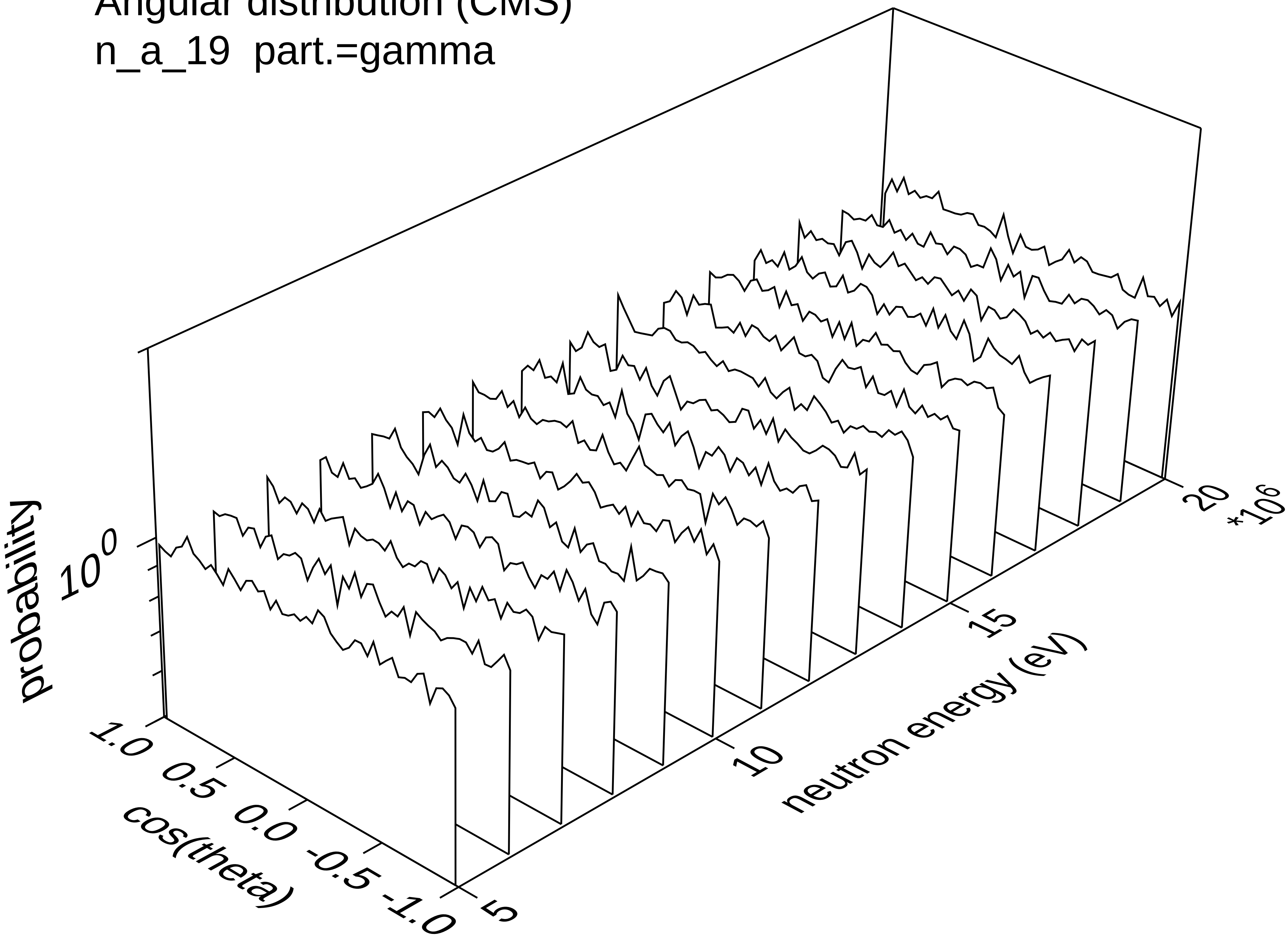
Angular distribution (CMS)
n_a_18



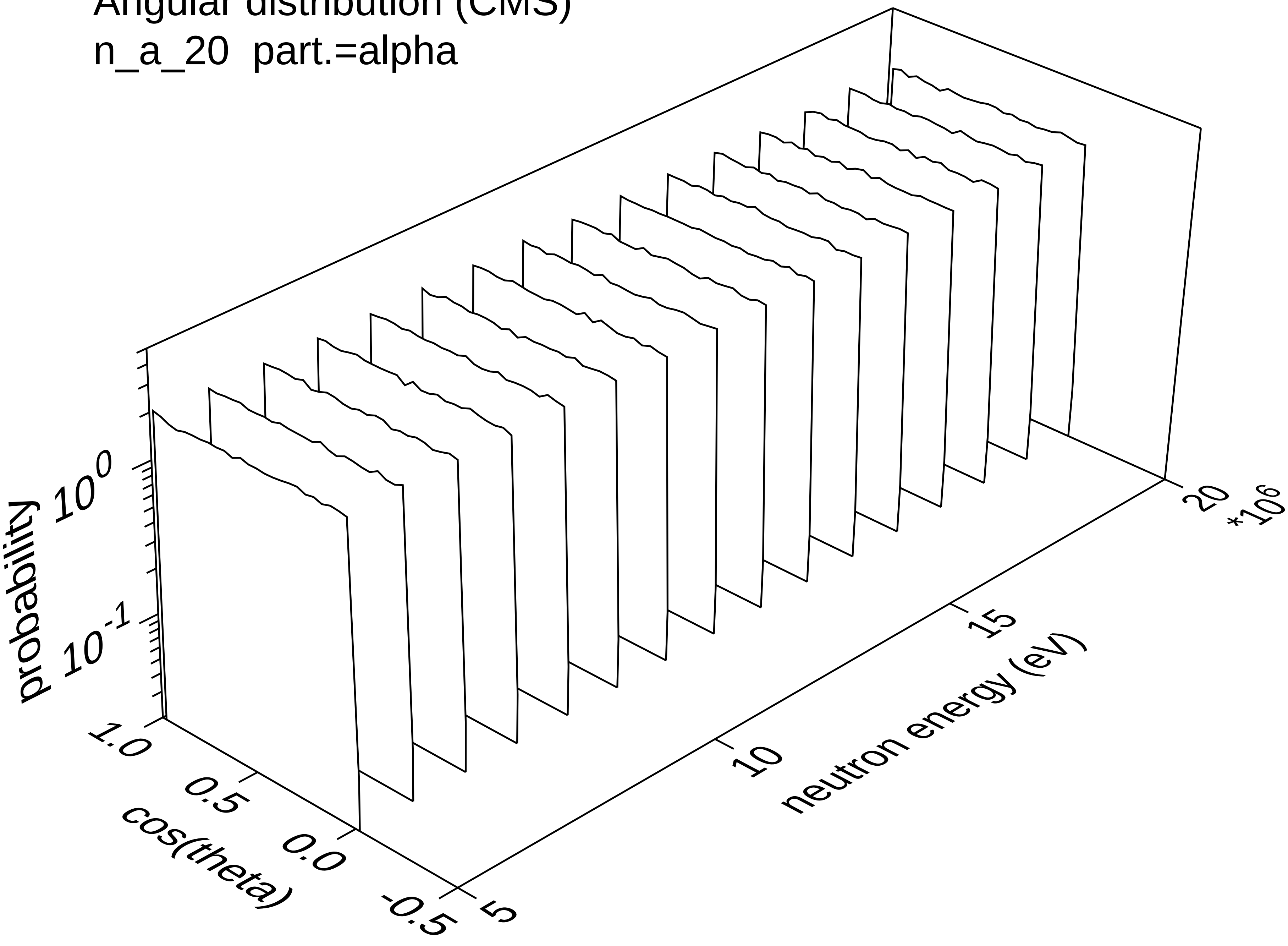
Angular distribution (CMS)
n_a_19 part.=alpha

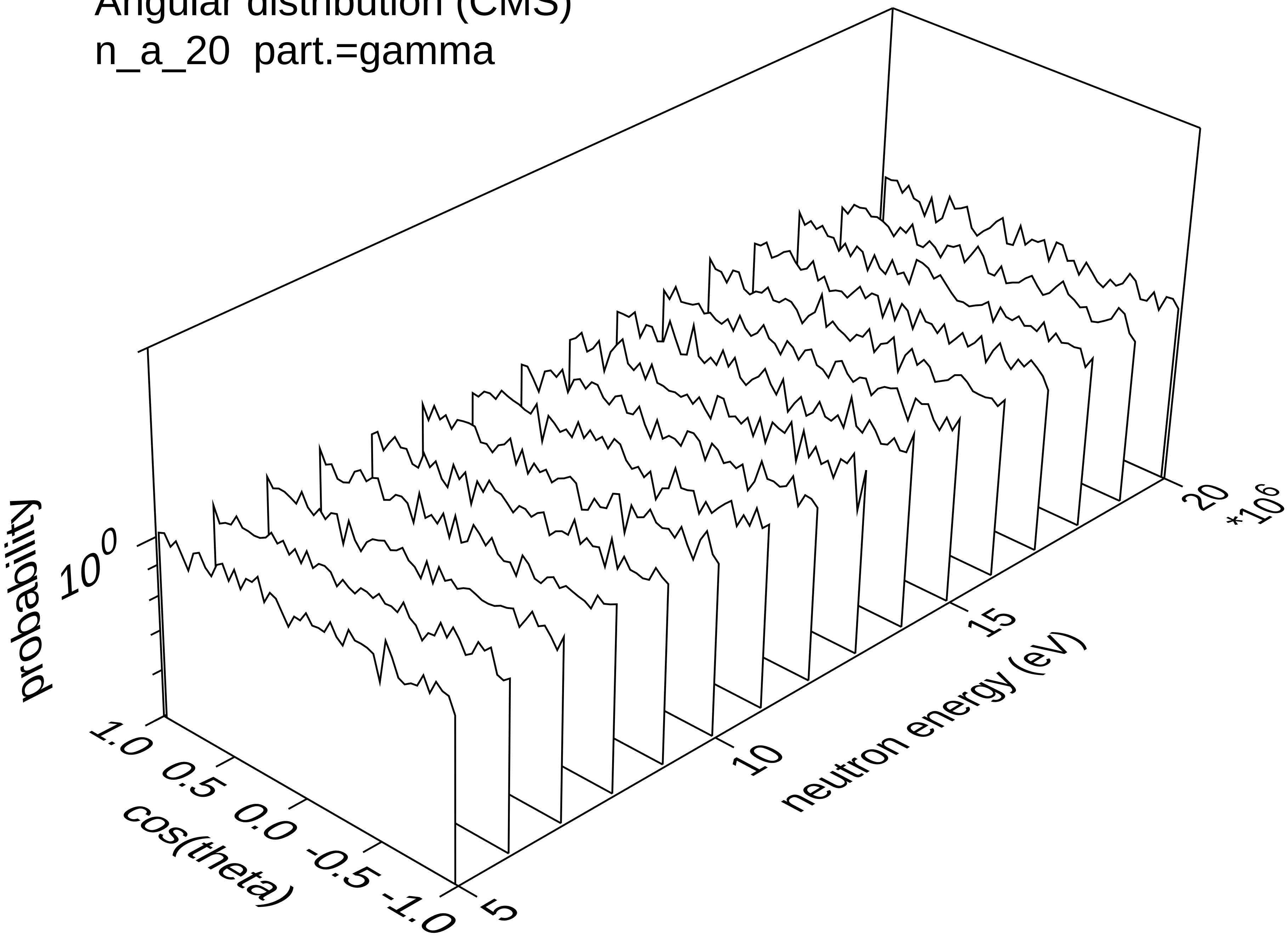


Angular distribution (CMS)
n_a_19 part.=gamma



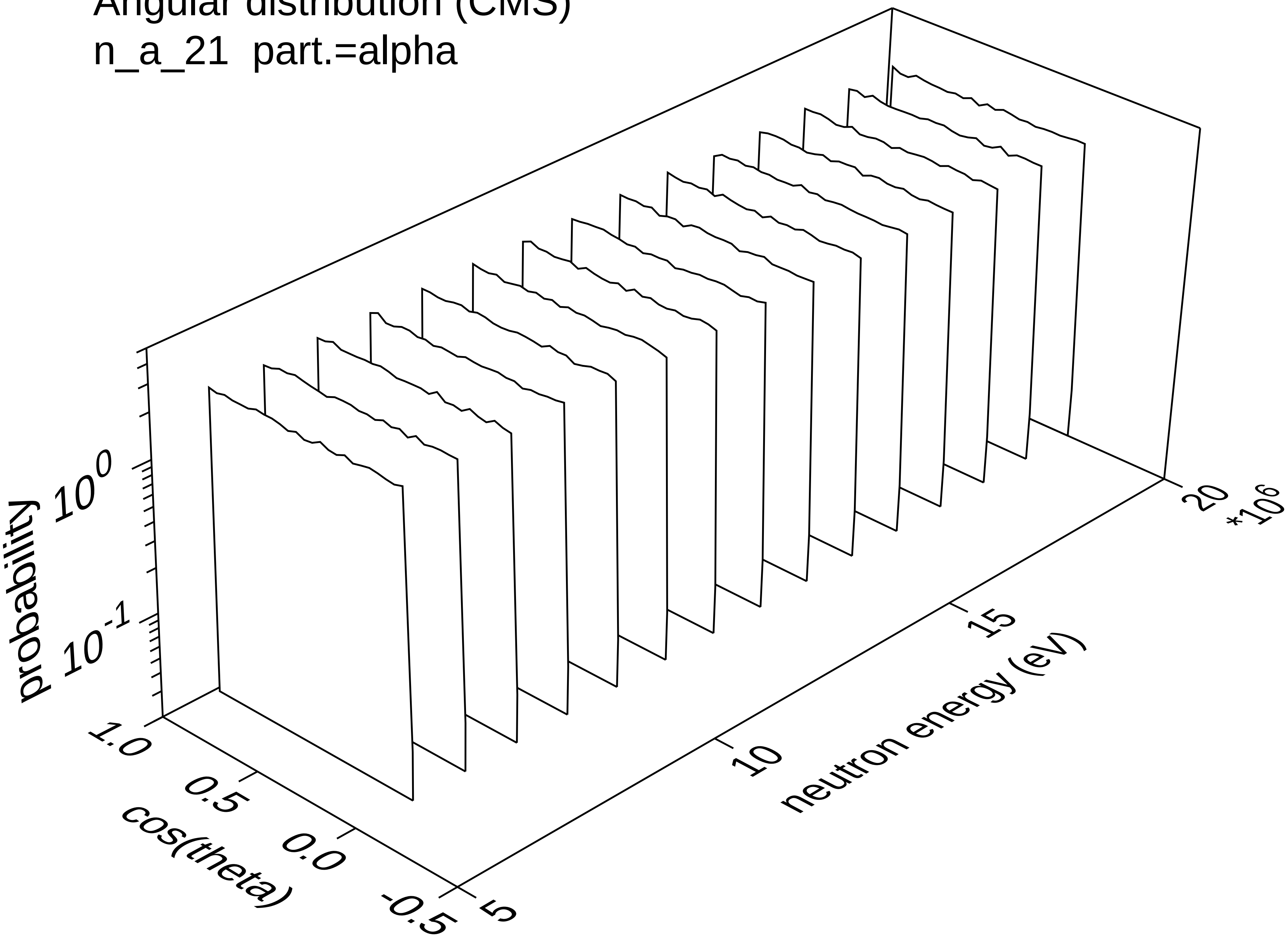
Angular distribution (CMS)
n_a_20 part.=alpha



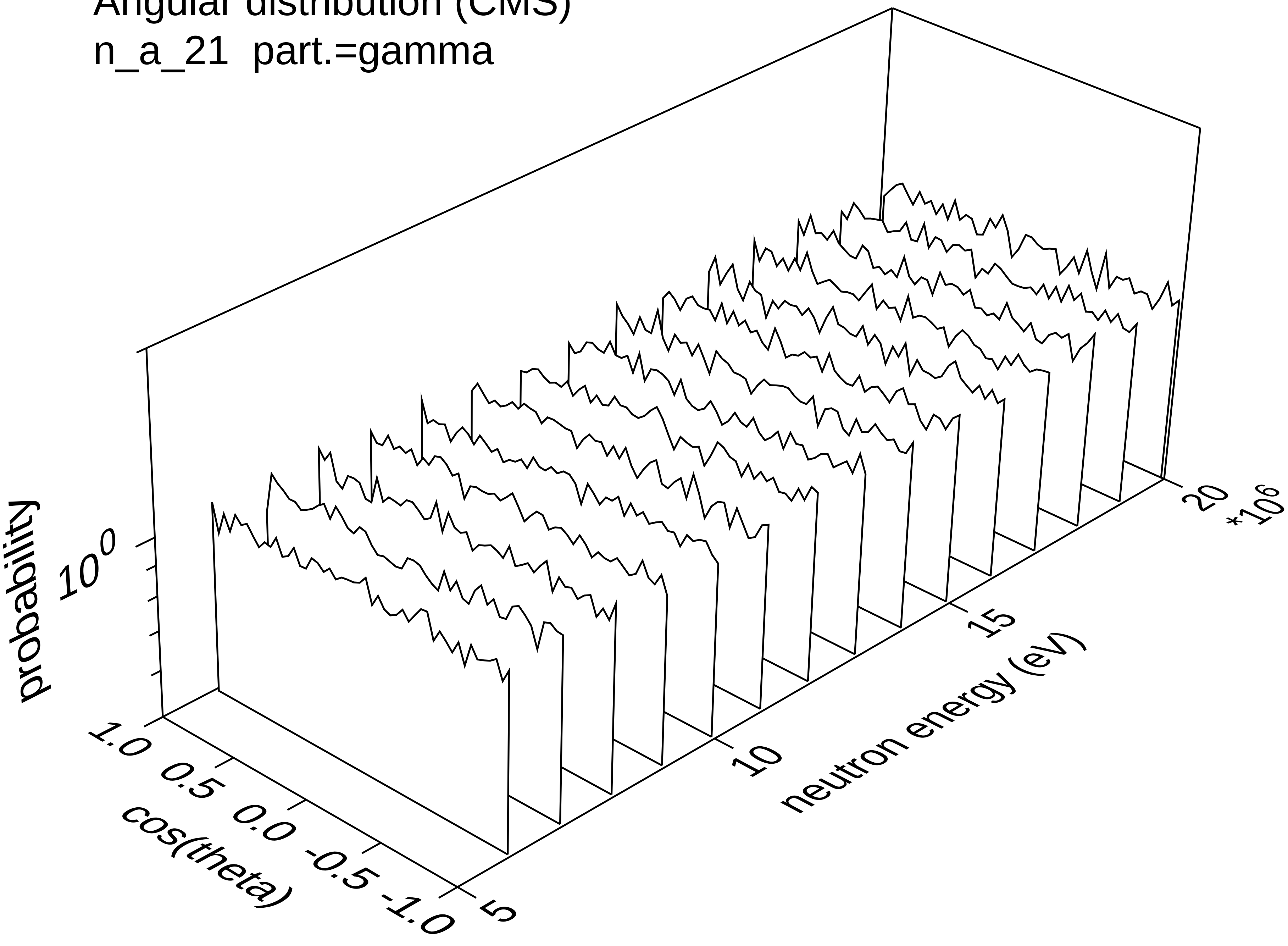


Angular distribution (CMS)
n_a_20 part.=gamma

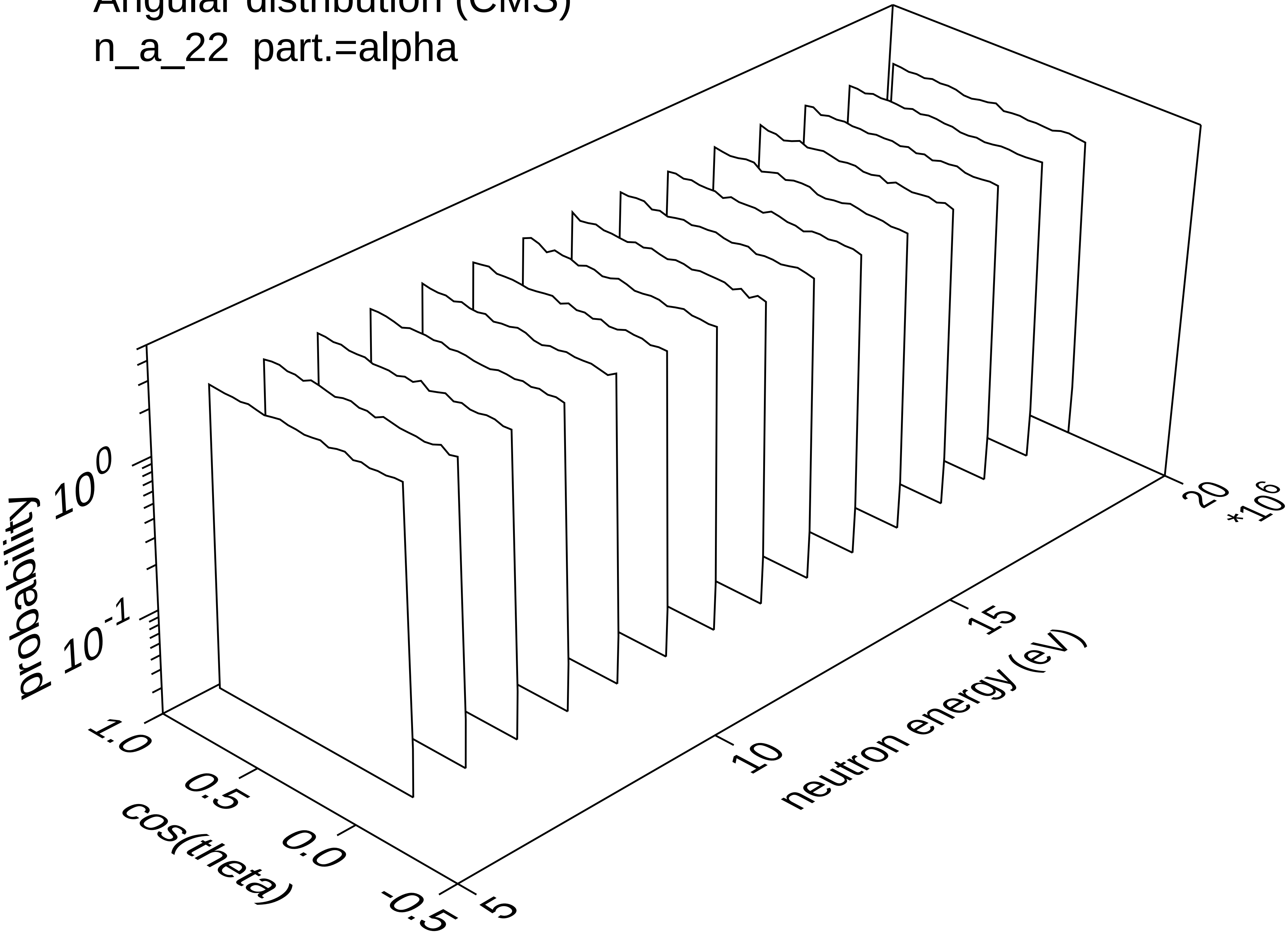
Angular distribution (CMS)
n_a_21 part.=alpha



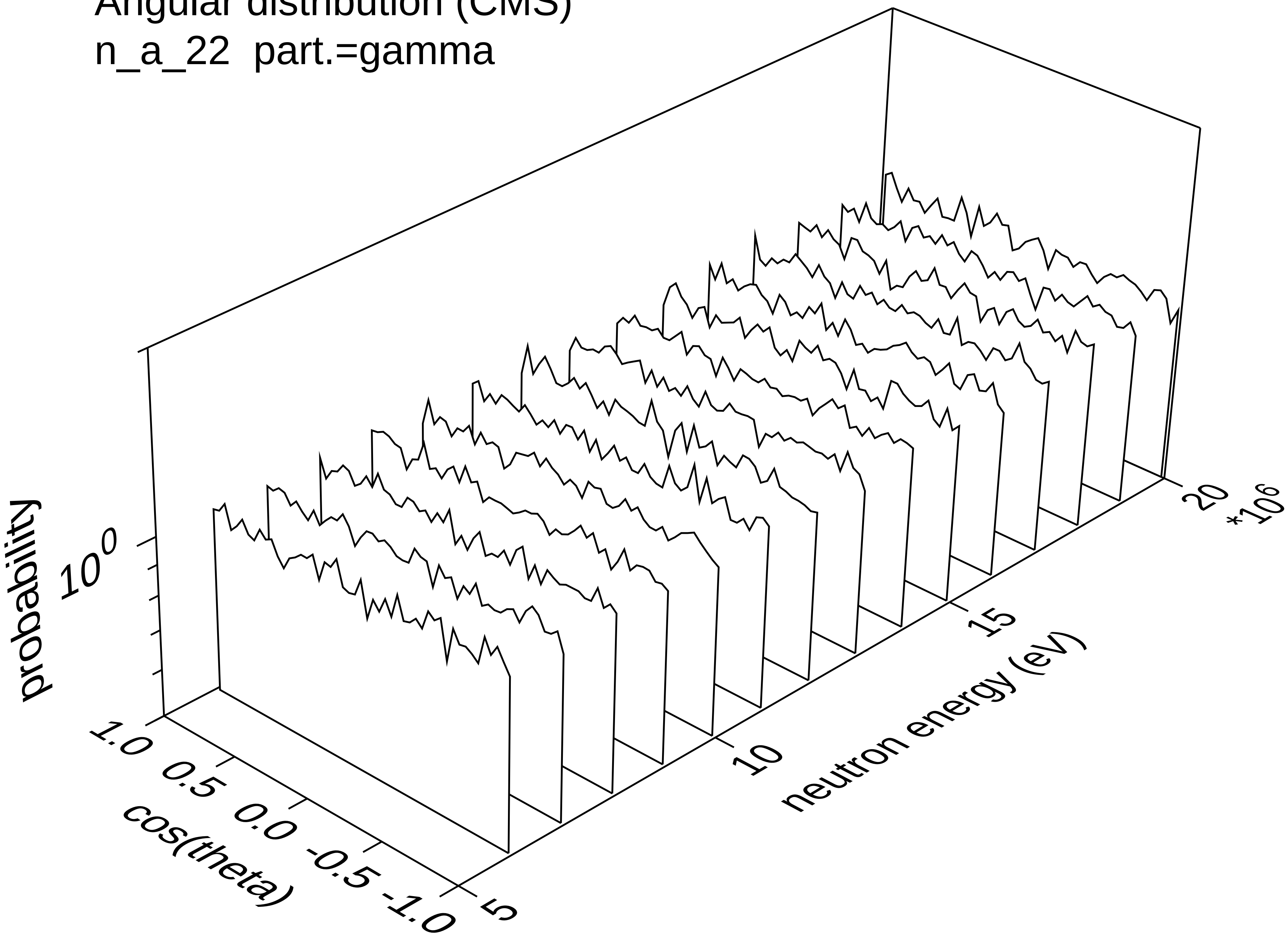
Angular distribution (CMS)
n_a_21 part.=gamma



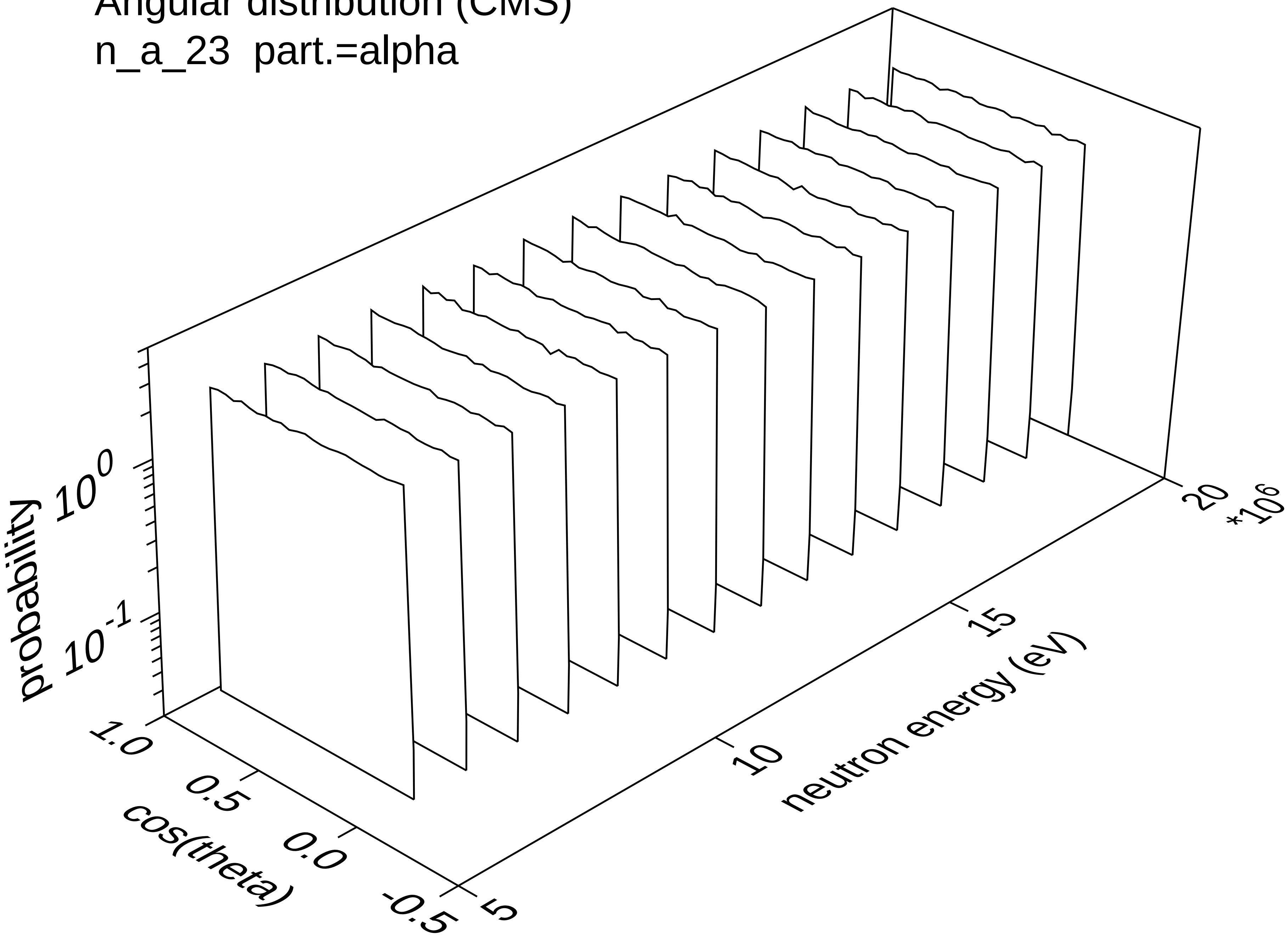
Angular distribution (CMS)
n_a_22 part.=alpha



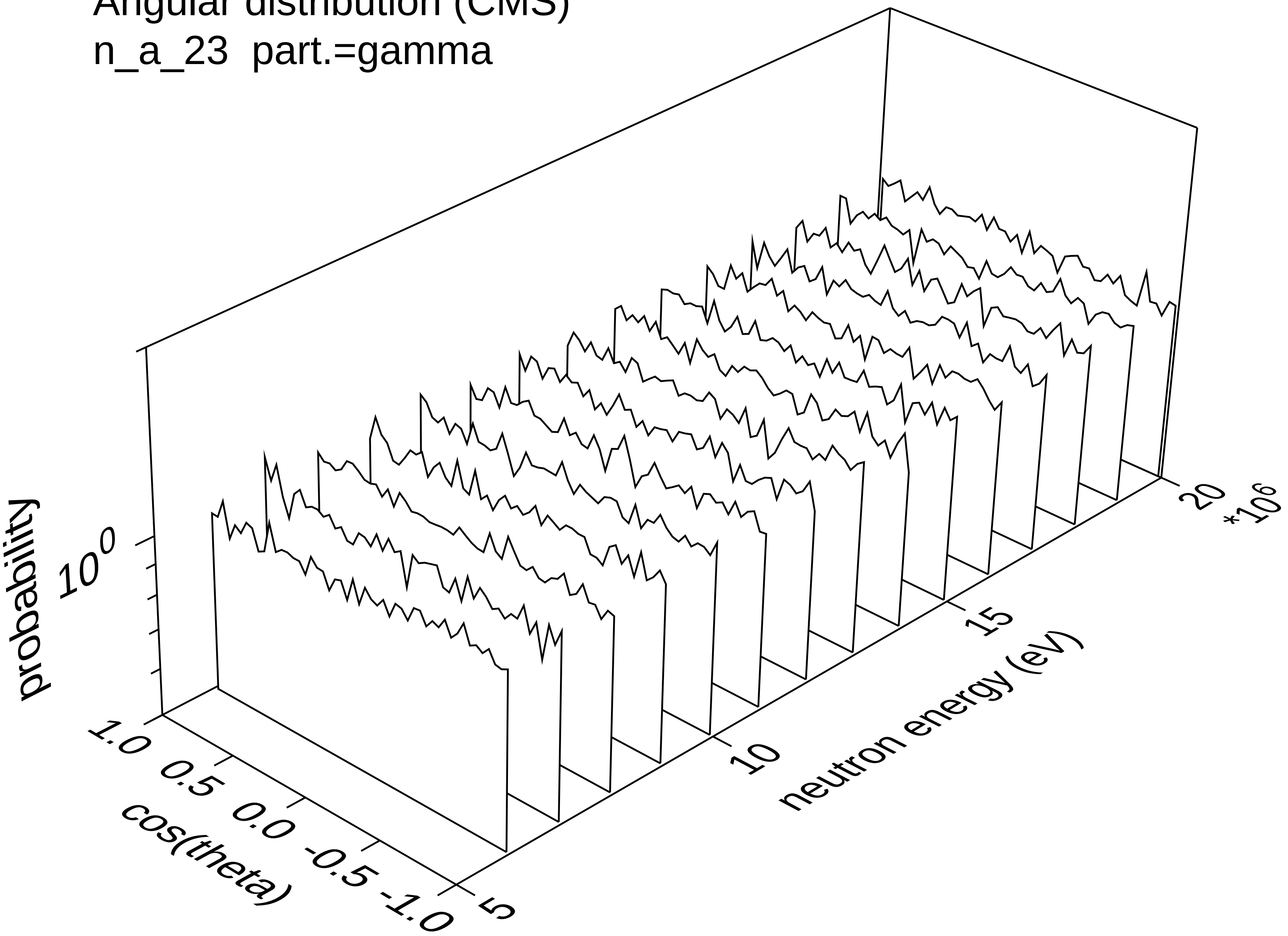
Angular distribution (CMS)
n_a_22 part.=gamma



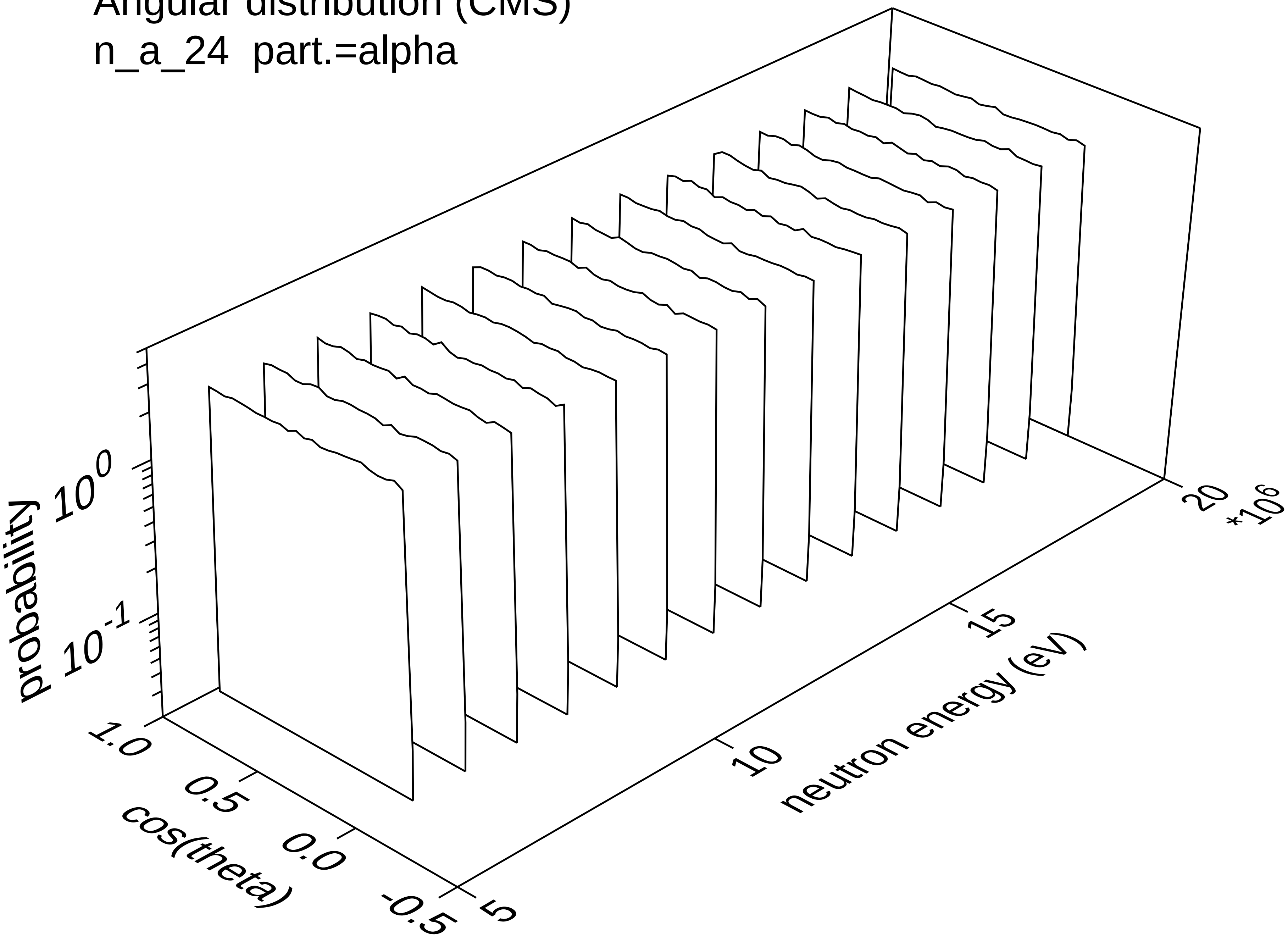
Angular distribution (CMS)
n_a_23 part.=alpha



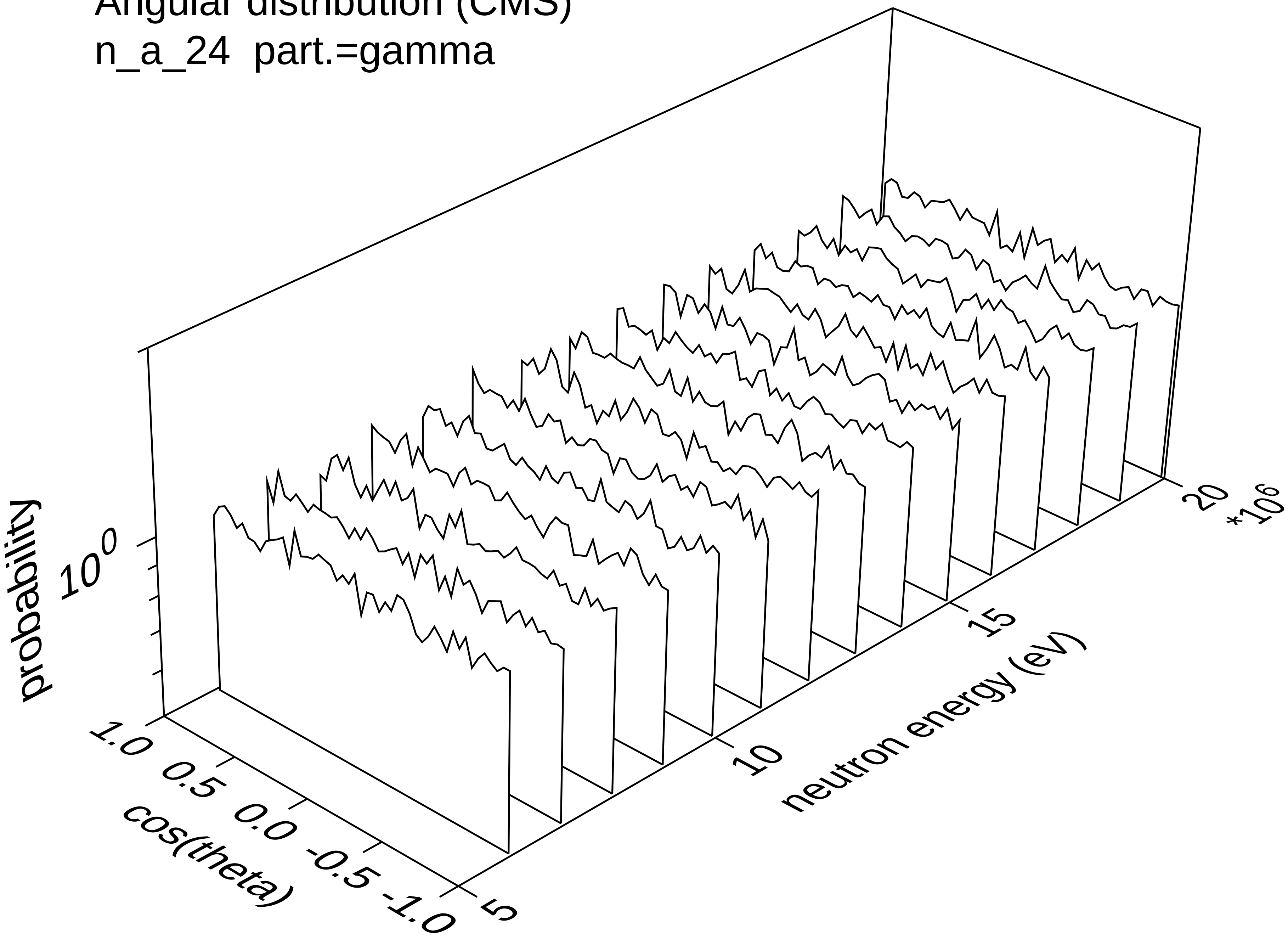
Angular distribution (CMS)
n_a_23 part.=gamma



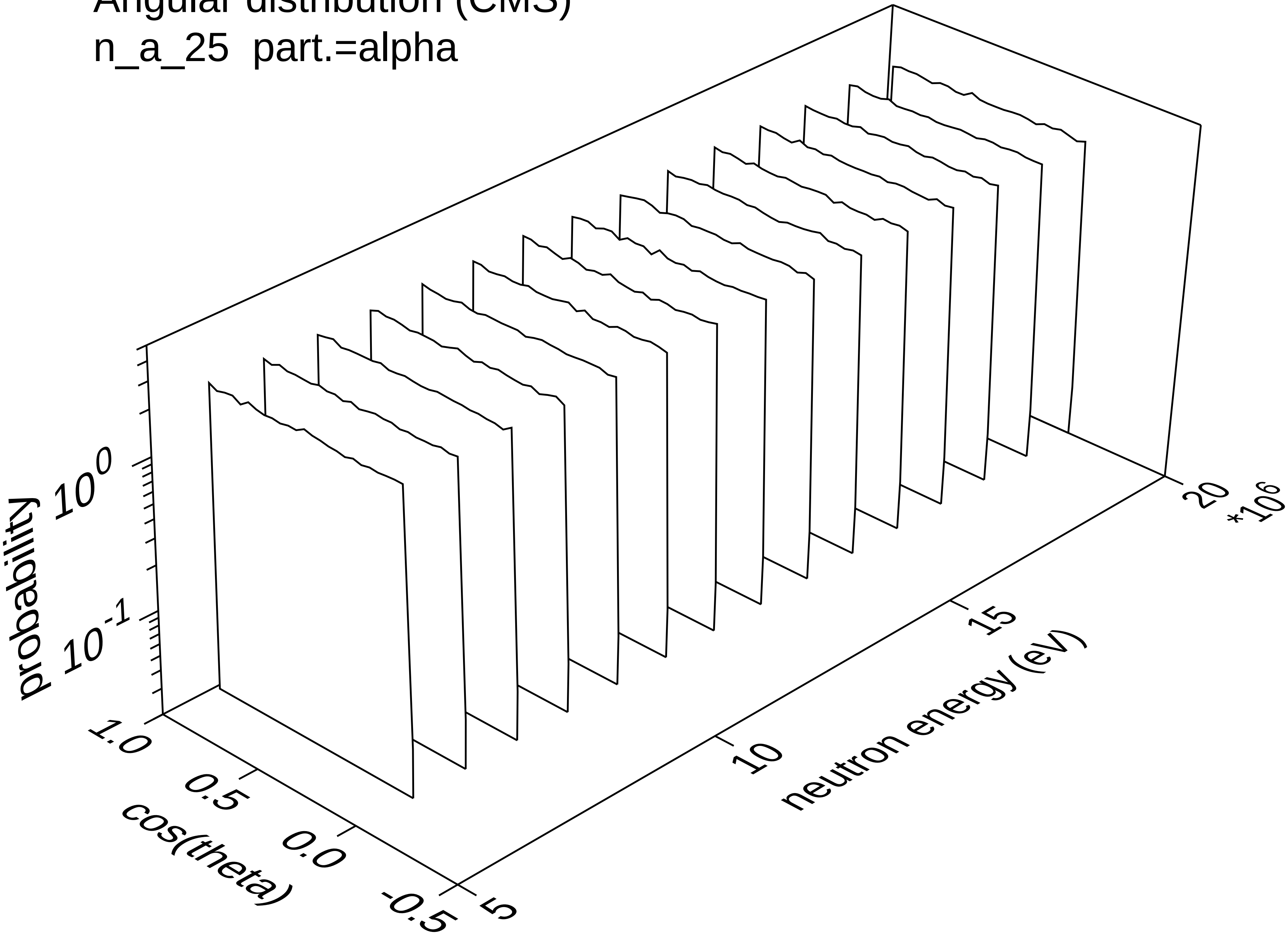
Angular distribution (CMS)
n_a_24 part.=alpha



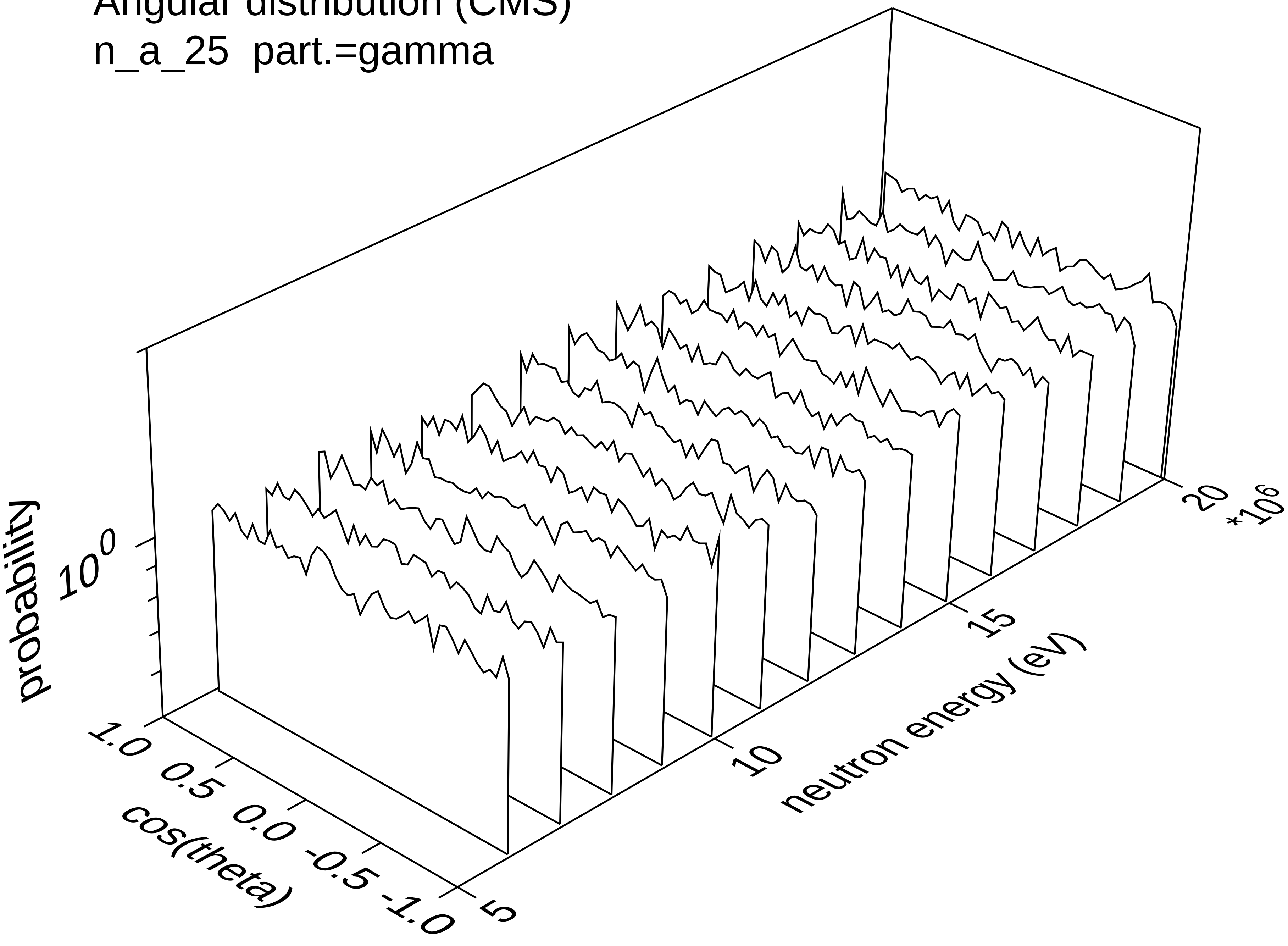
Angular distribution (CMS)
n_a_24 part.=gamma

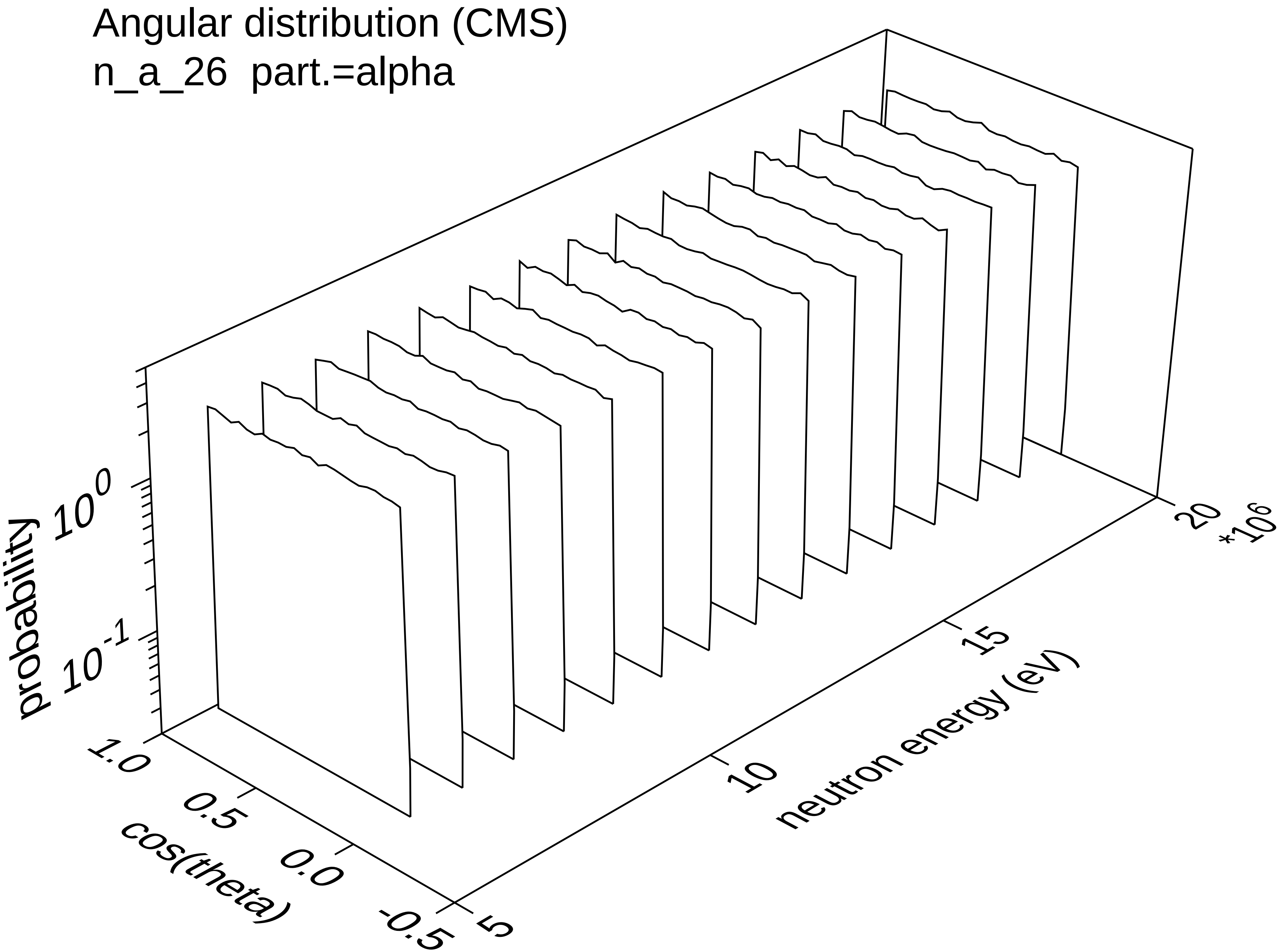


Angular distribution (CMS)
n_a_25 part.=alpha

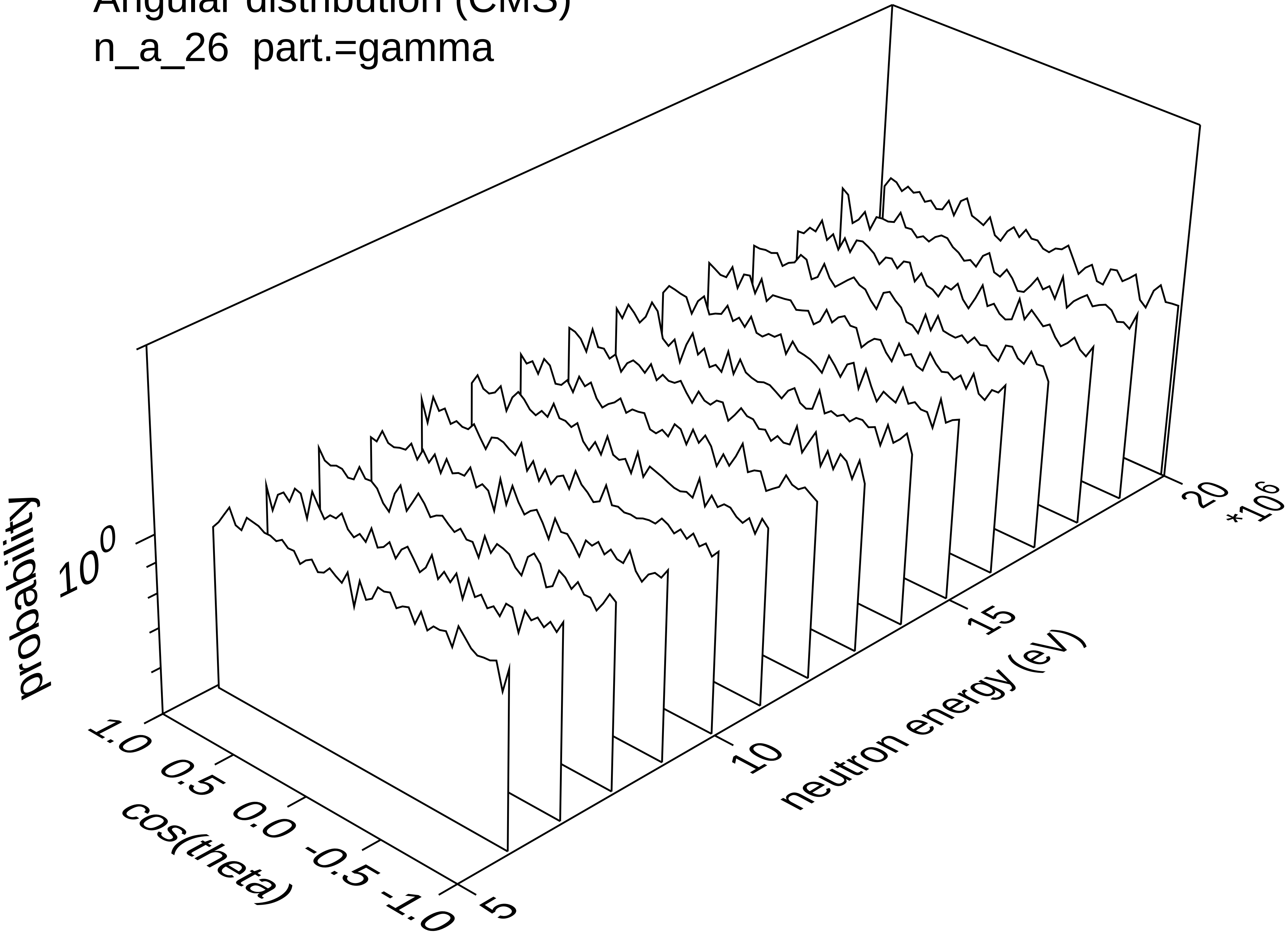


Angular distribution (CMS)
n_a_25 part.=gamma

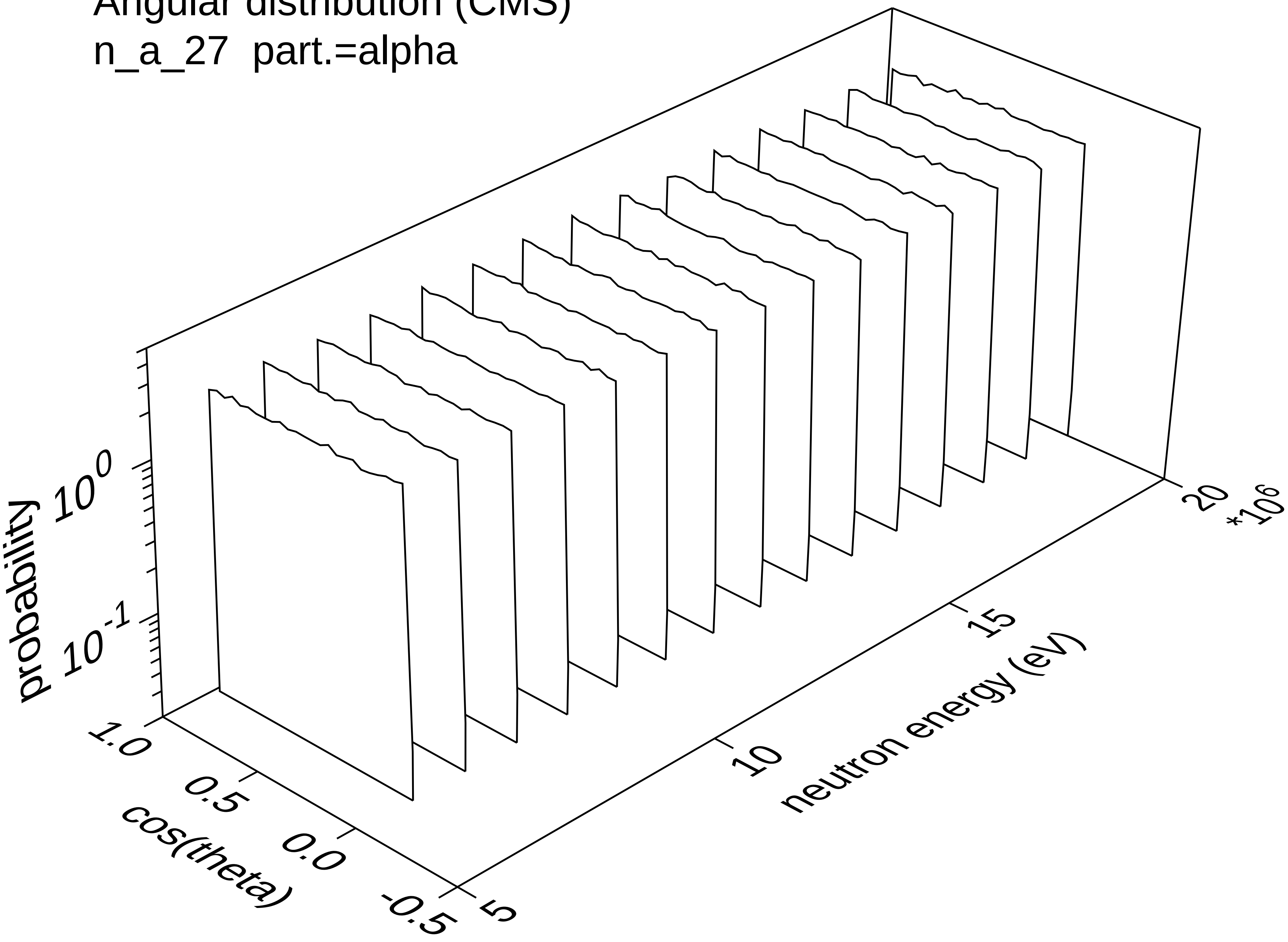



Angular distribution (CMS)
n_a_26 part.=alpha
probability
10^0
10^{-1}
1.0
0.5
0.0
-0.5
cos(theta)
5
10
15
20
$*10^6$
neutron energy (eV)

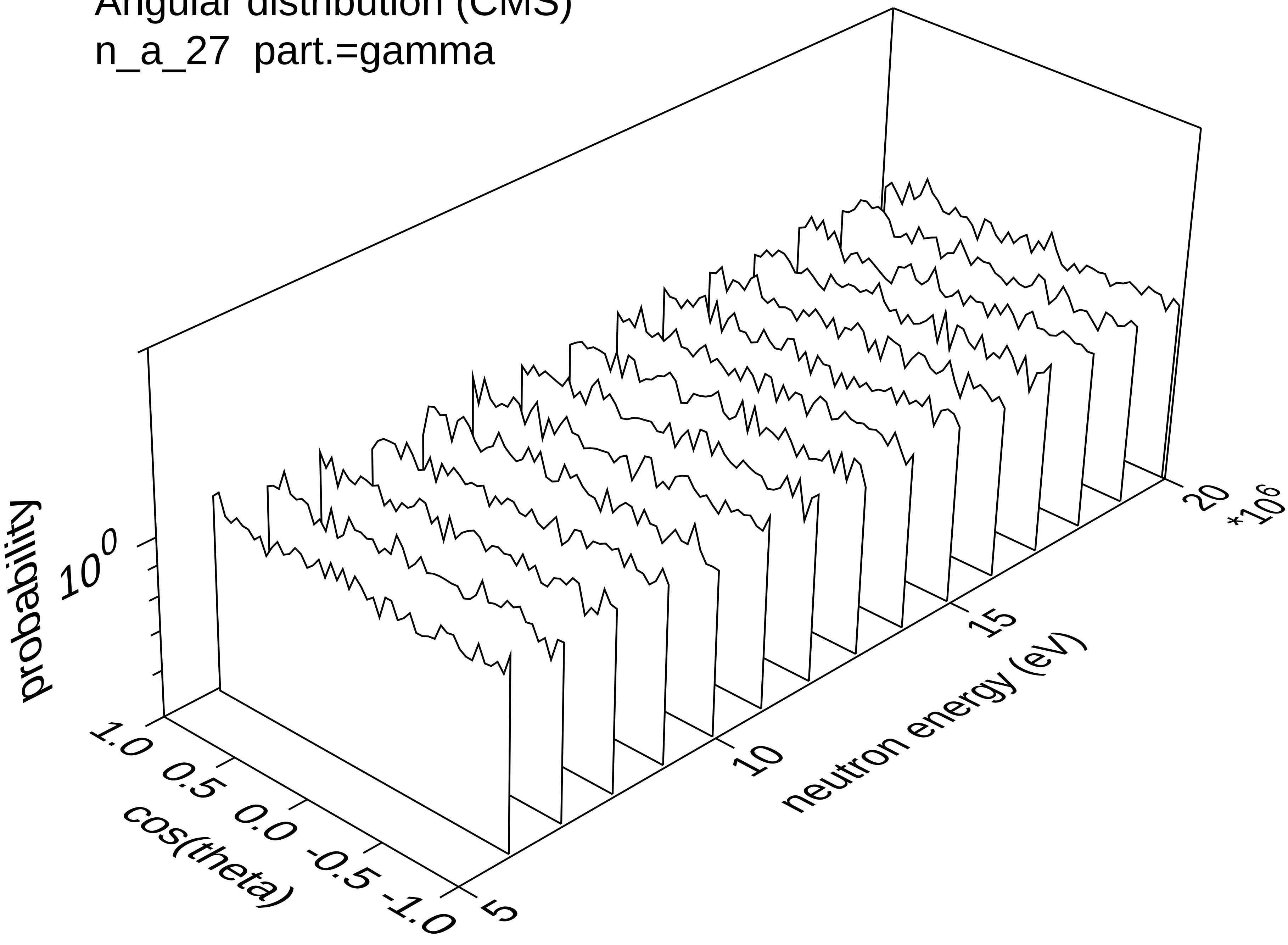
Angular distribution (CMS)
n_a_26 part.=gamma

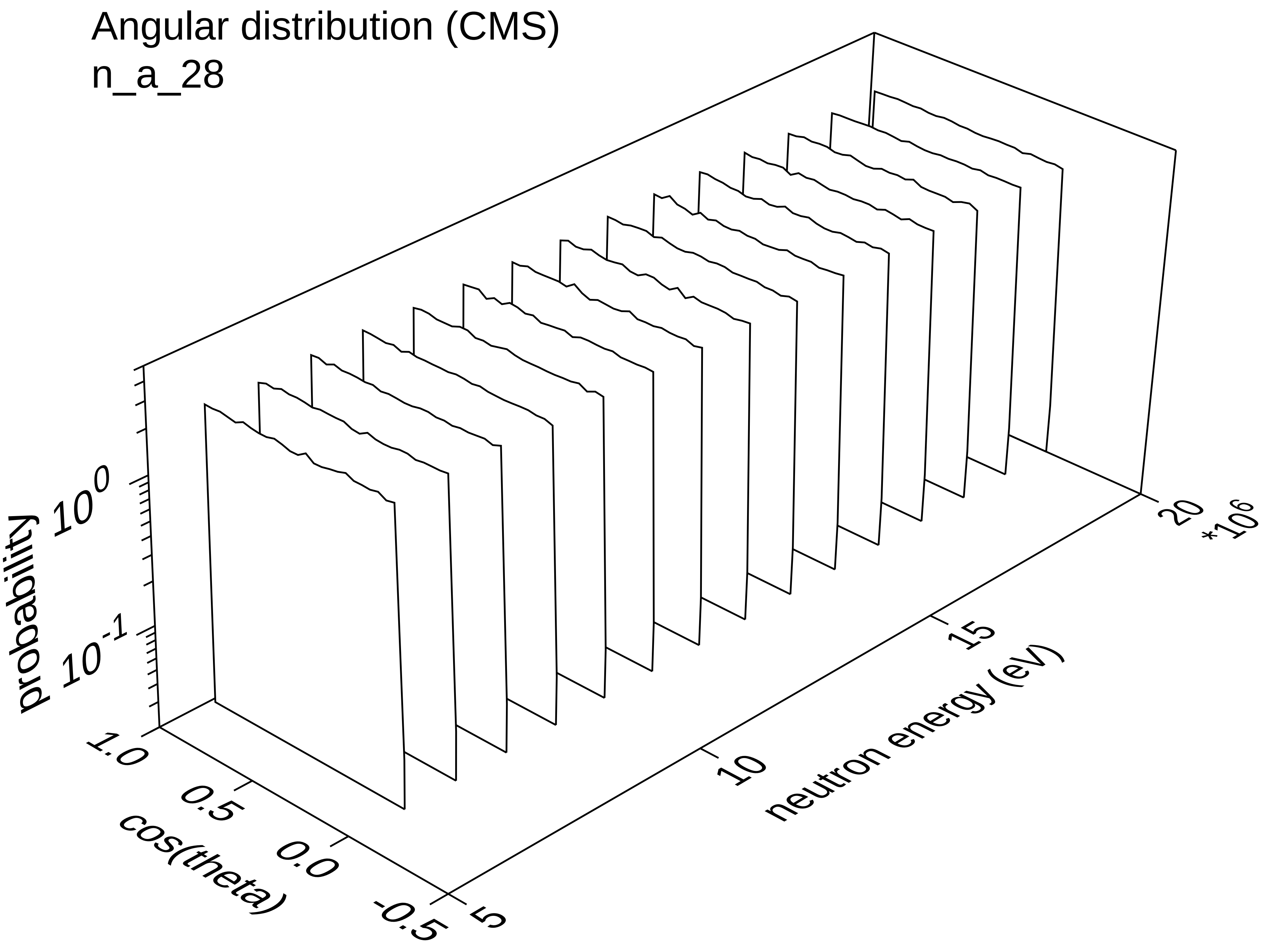


Angular distribution (CMS)
n_a_27 part.=alpha

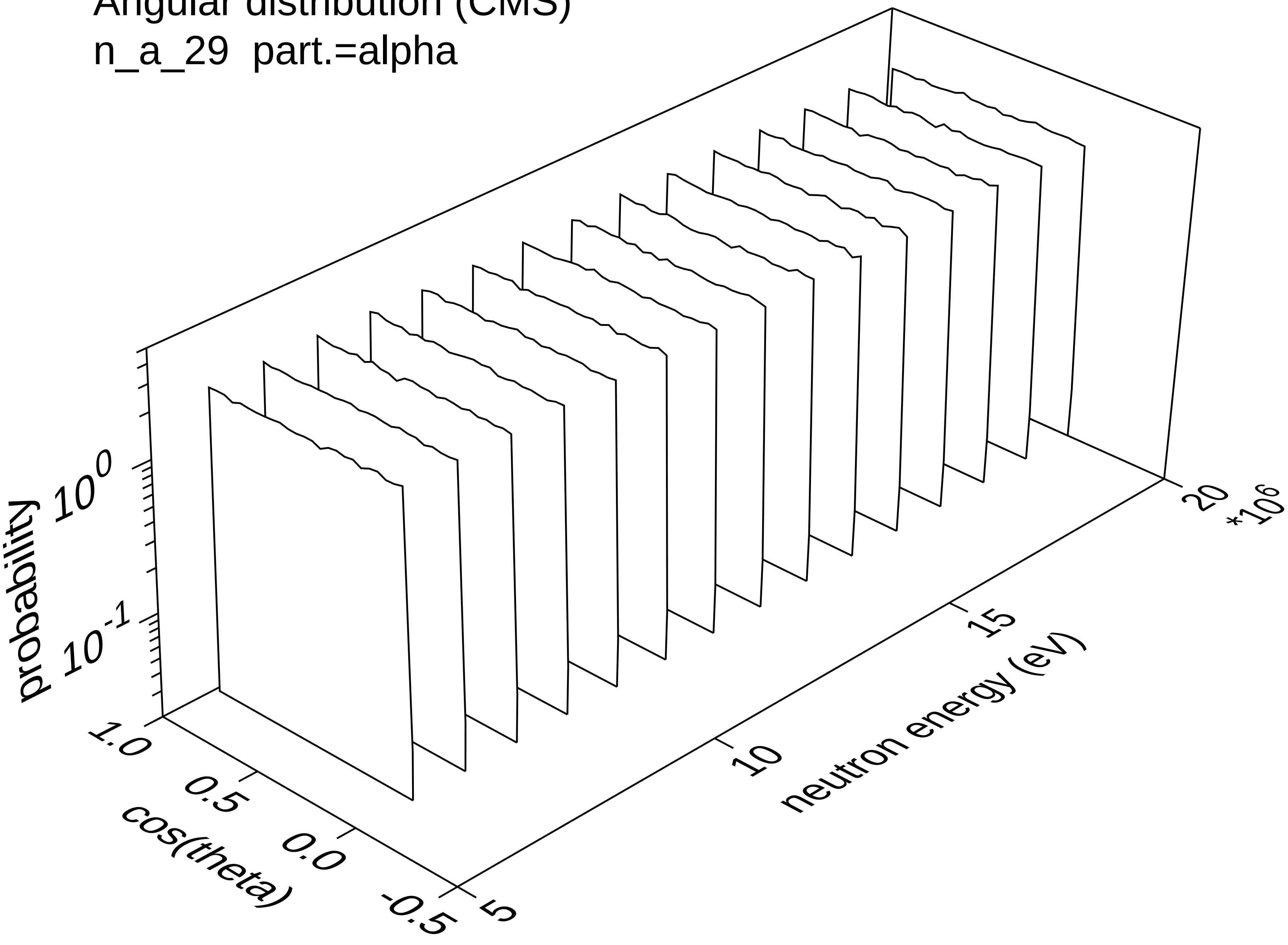


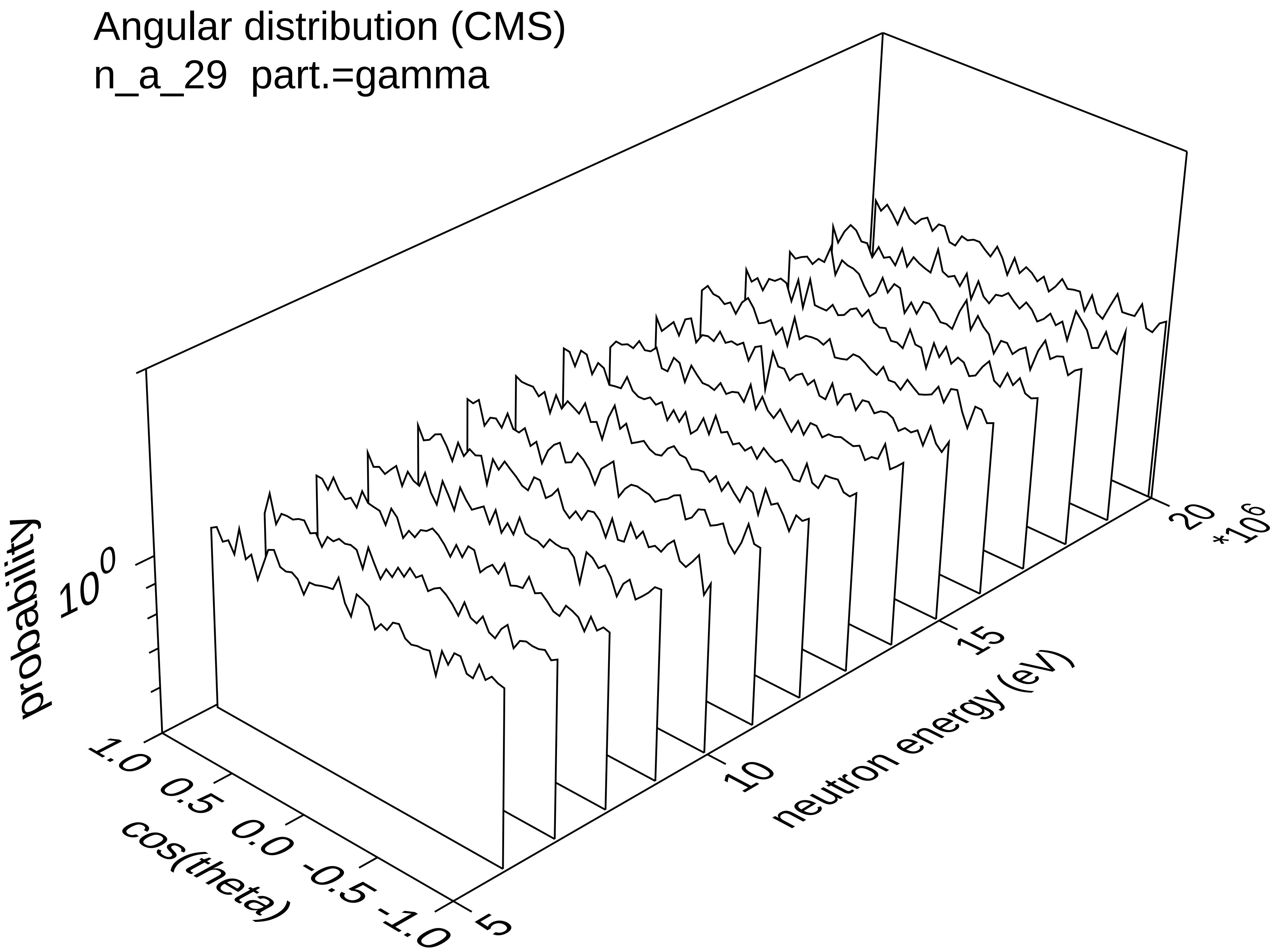
Angular distribution (CMS)
n_a_27 part.=gamma



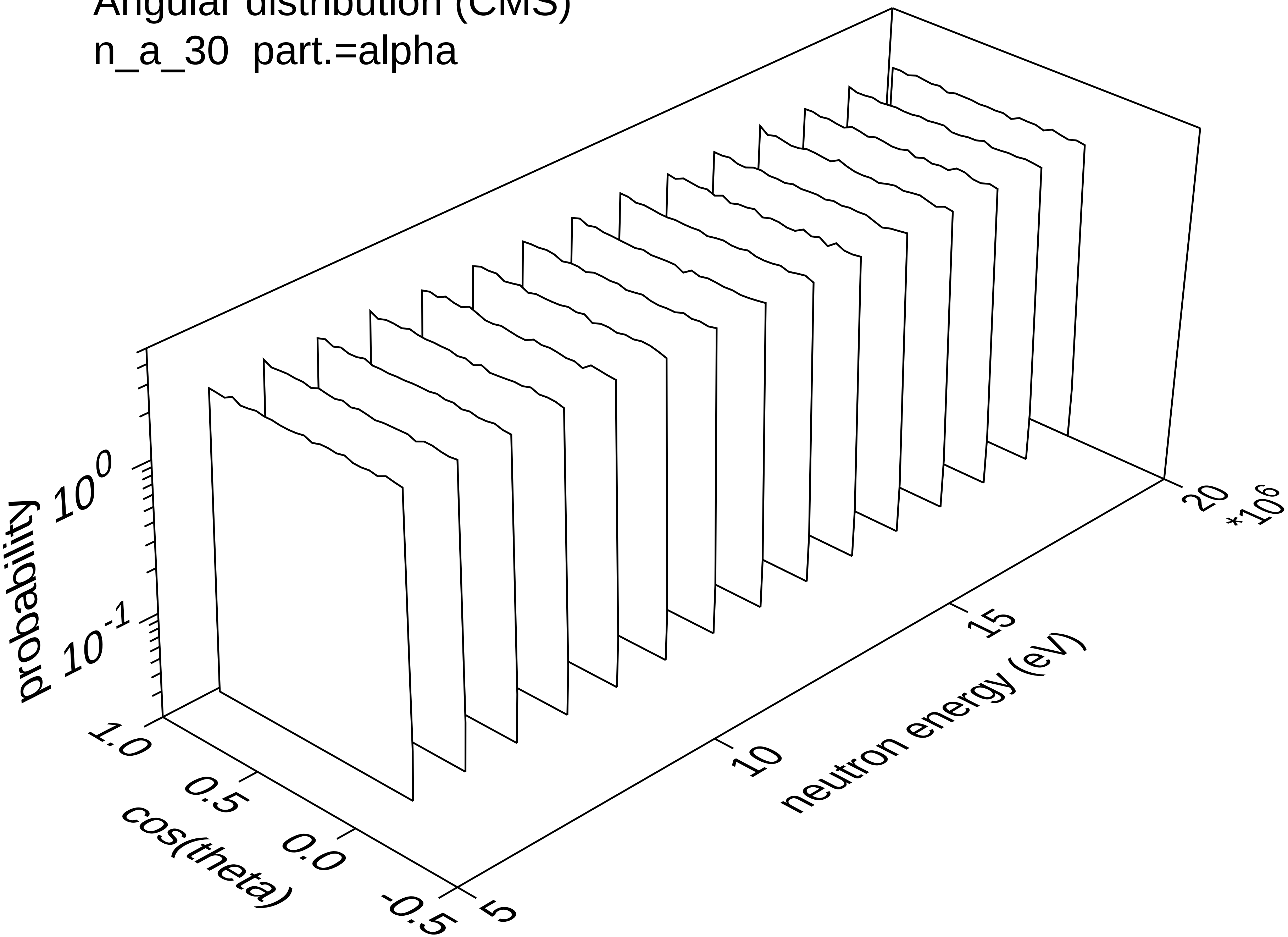

Angular distribution (CMS)
n_a_28
probability
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
cos(theta)
5
10
15
20
$*10^{6}$
neutron energy (eV)

Angular distribution (CMS)
n_a_29 part.=alpha

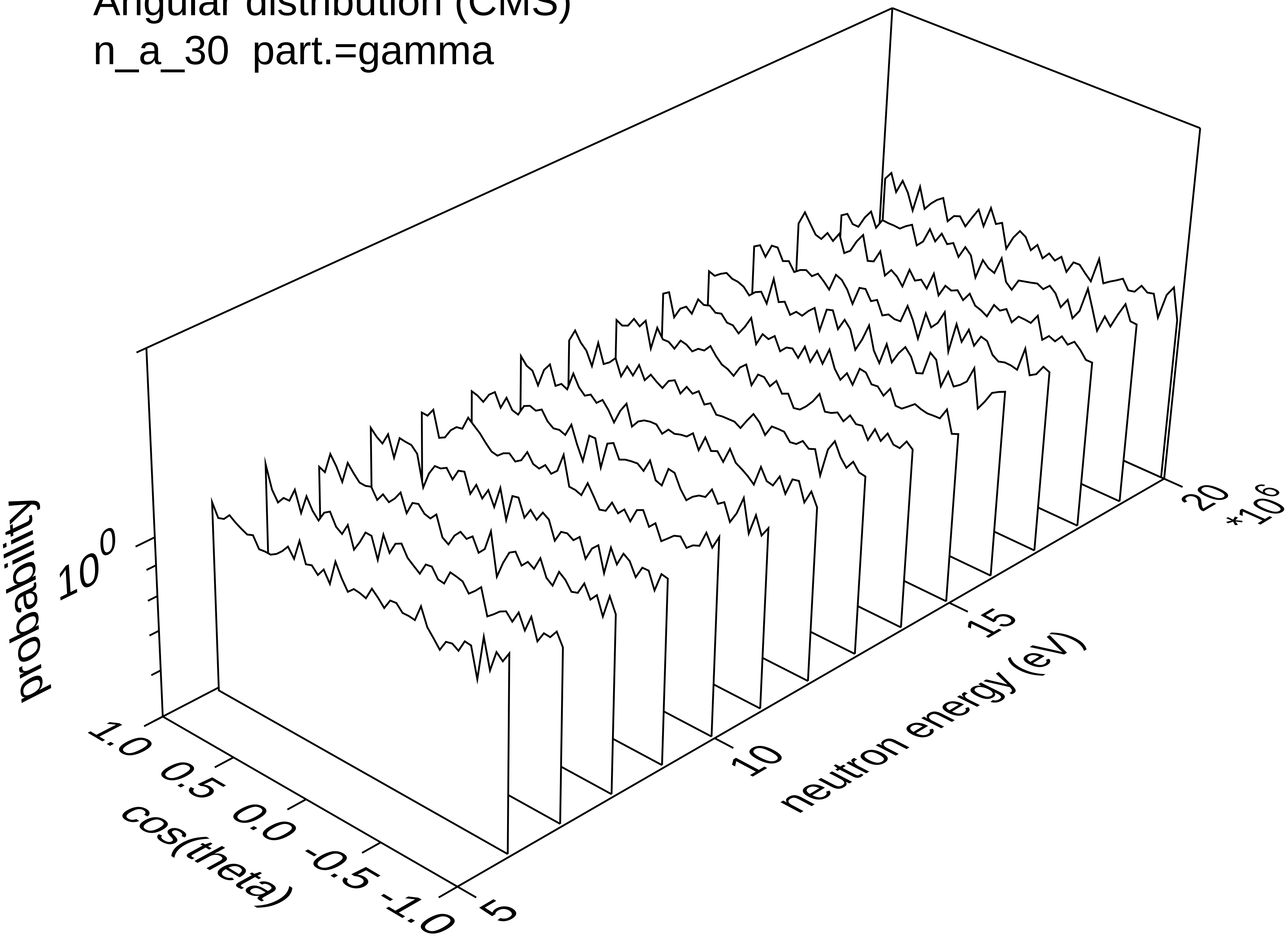



Angular distribution (CMS)
n_a_29 part.=gamma
probability
10^0
1.0
0.5
0.0
-0.5
-1.0
cos(theta)
5
10
15
20
*10^6
neutron energy (eV)

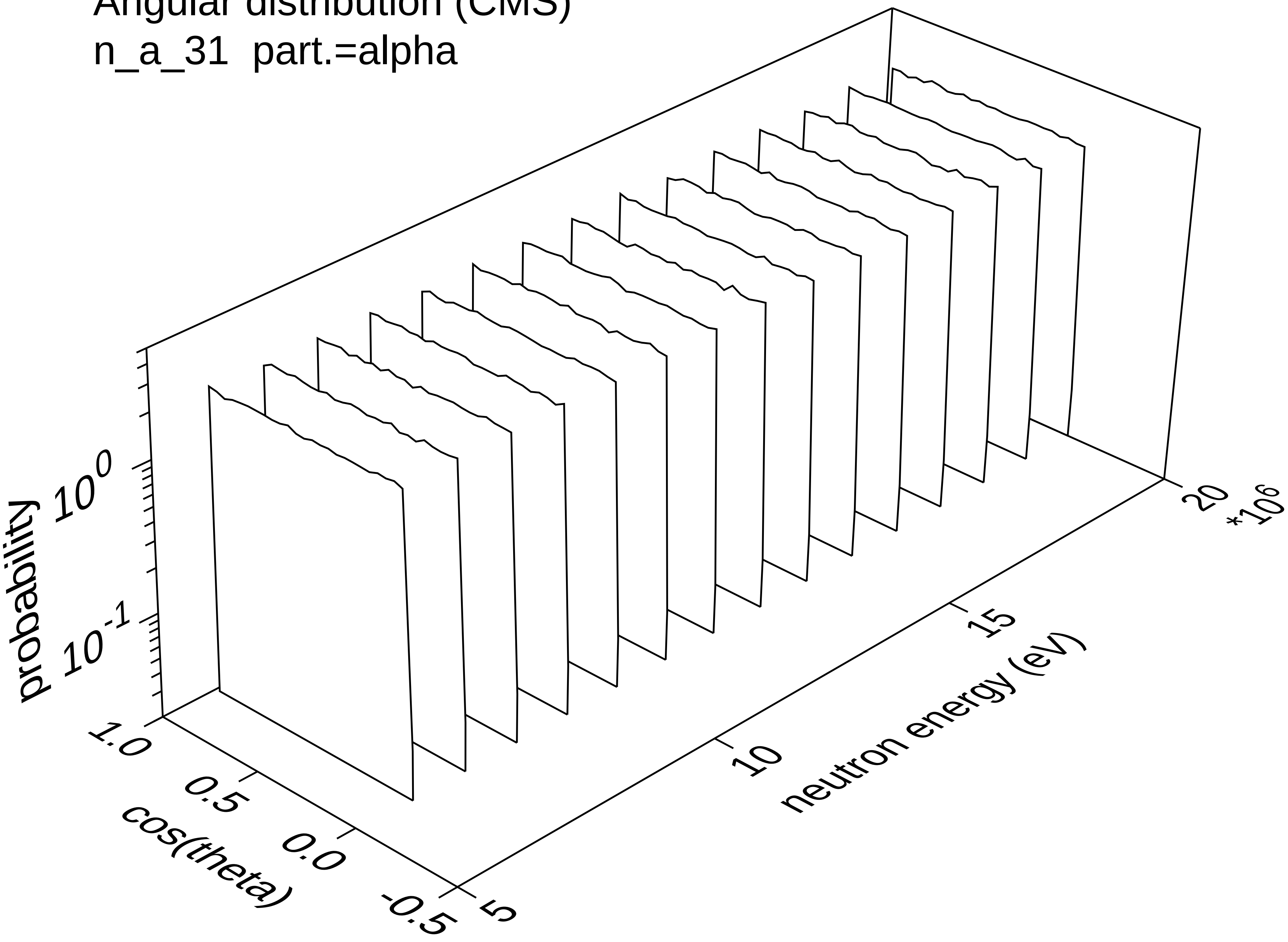
Angular distribution (CMS)
n_a_30 part.=alpha



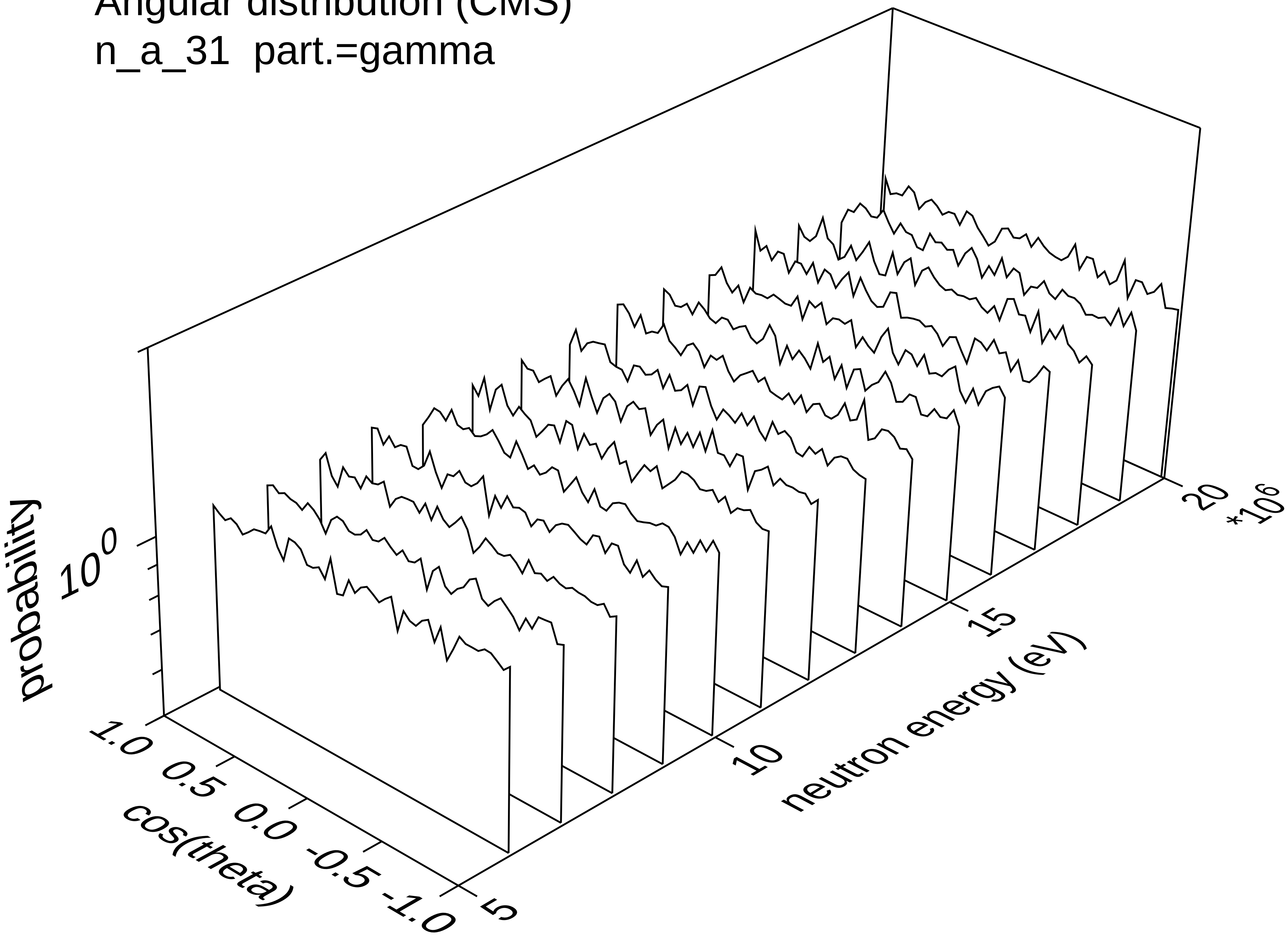
Angular distribution (CMS)
n_a_30 part.=gamma



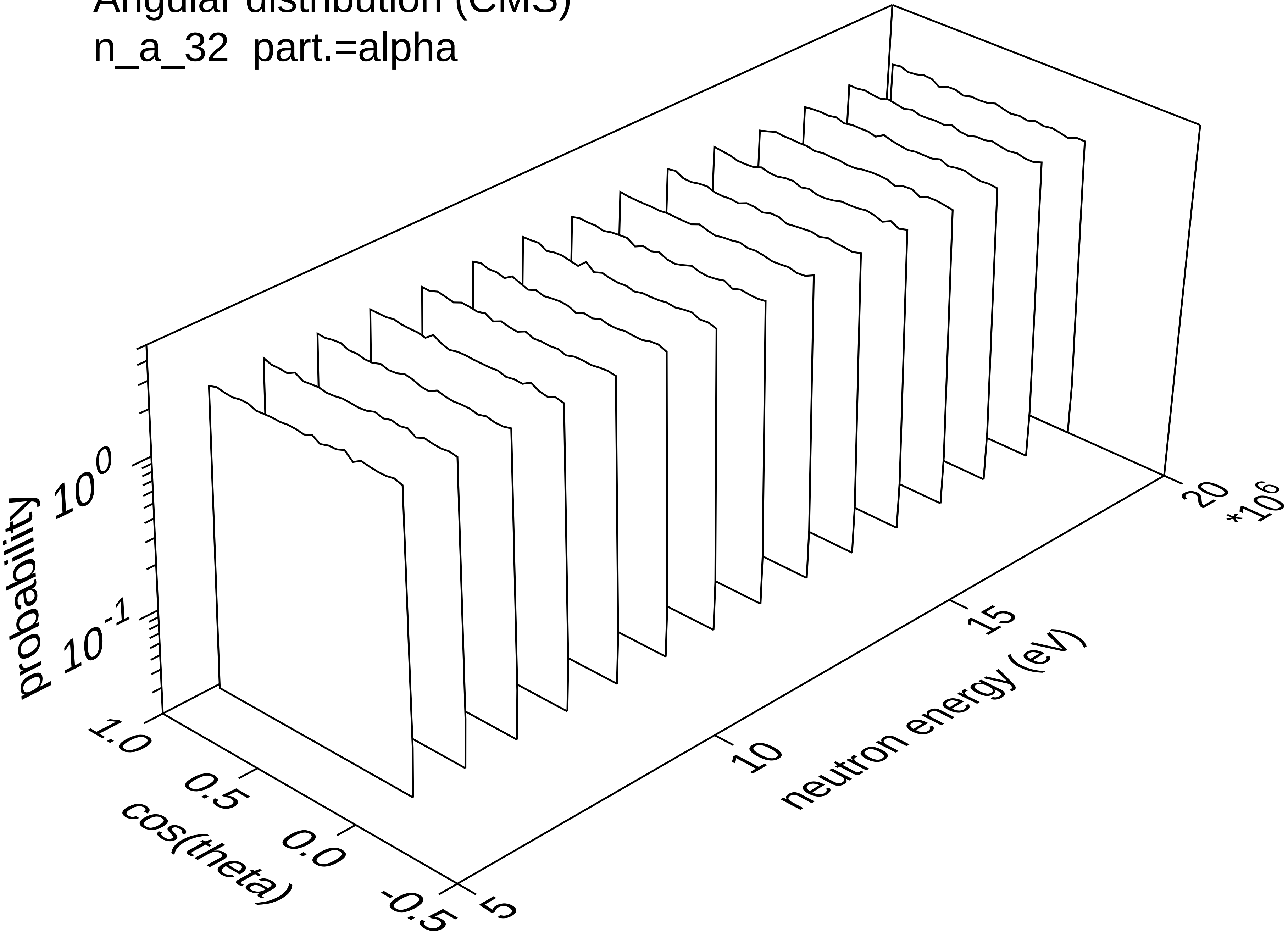
Angular distribution (CMS)
n_a_31 part.=alpha



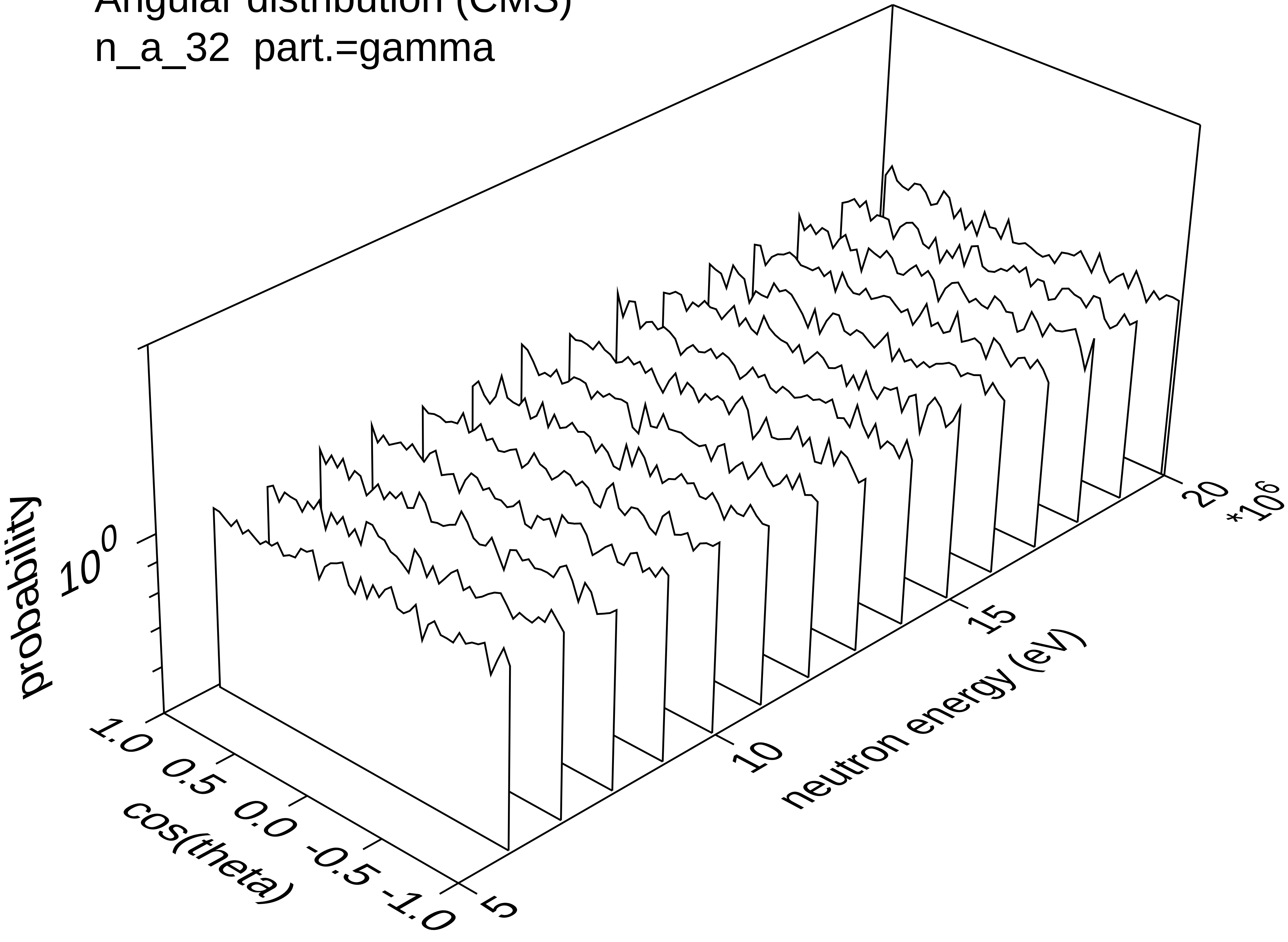
Angular distribution (CMS)
n_a_31 part.=gamma



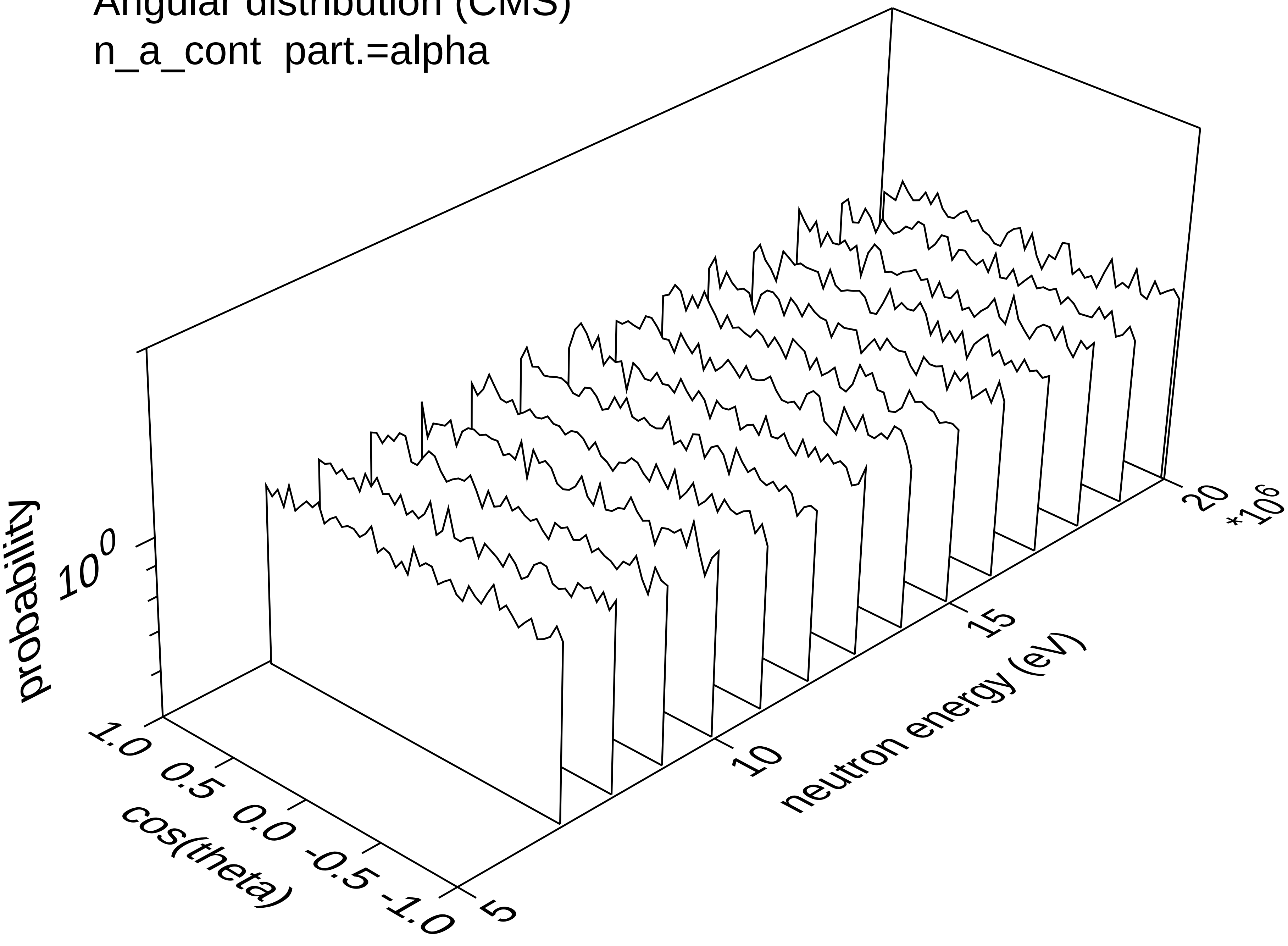
Angular distribution (CMS)
n_a_32 part.=alpha



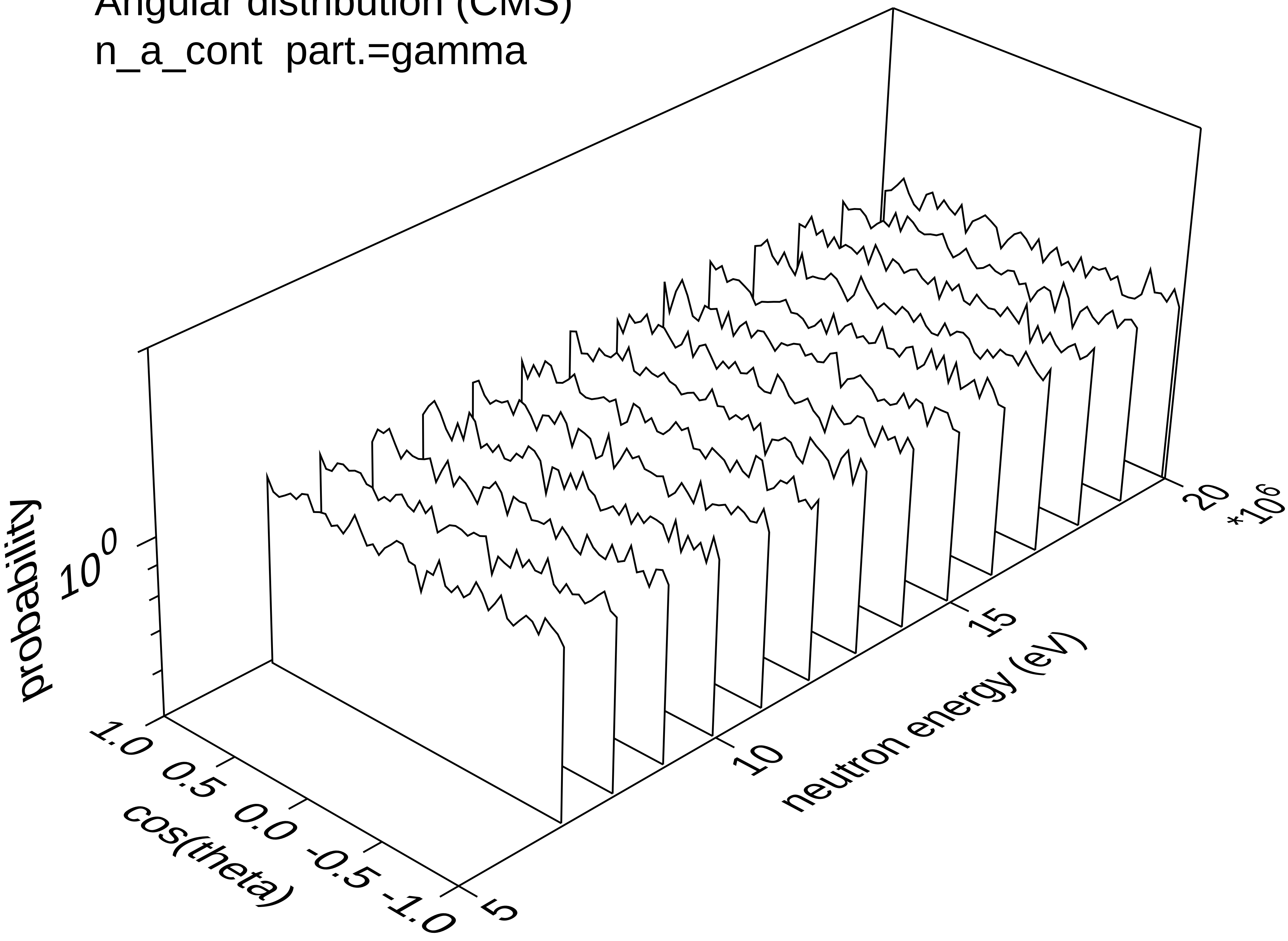
Angular distribution (CMS)
n_a_32 part.=gamma



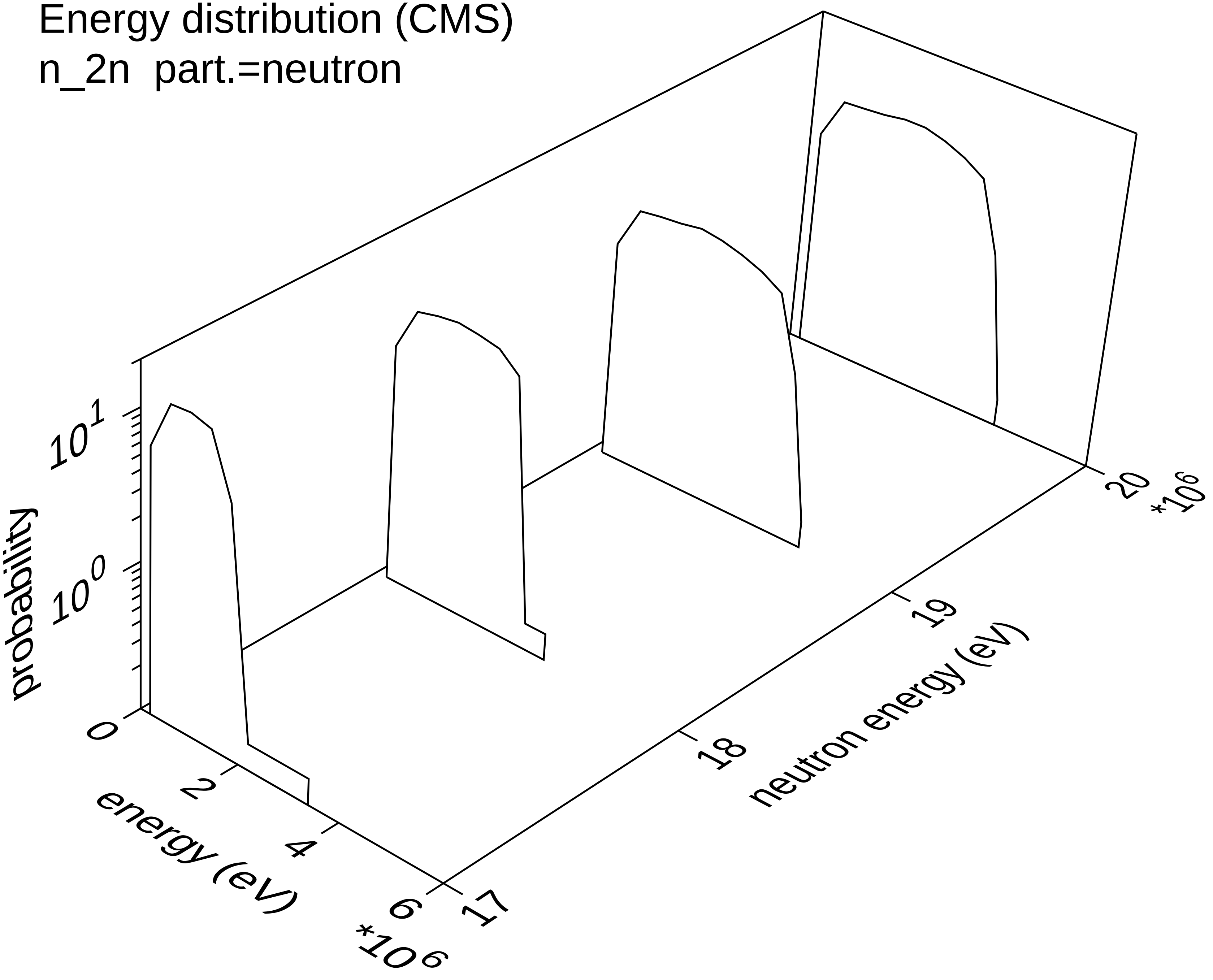
Angular distribution (CMS)
n_a_cont part.=alpha



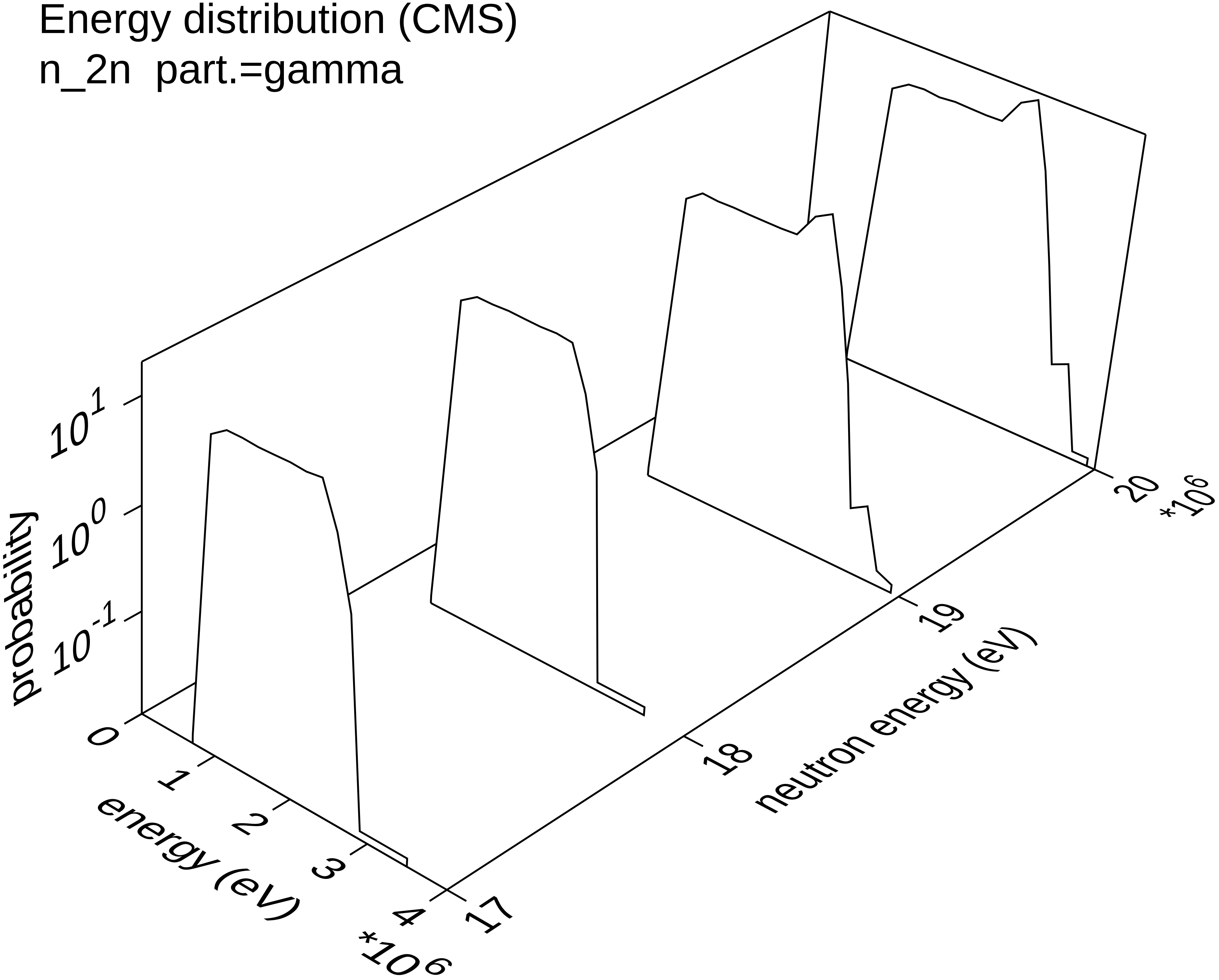
Angular distribution (CMS)
n_a_cont part.=gamma



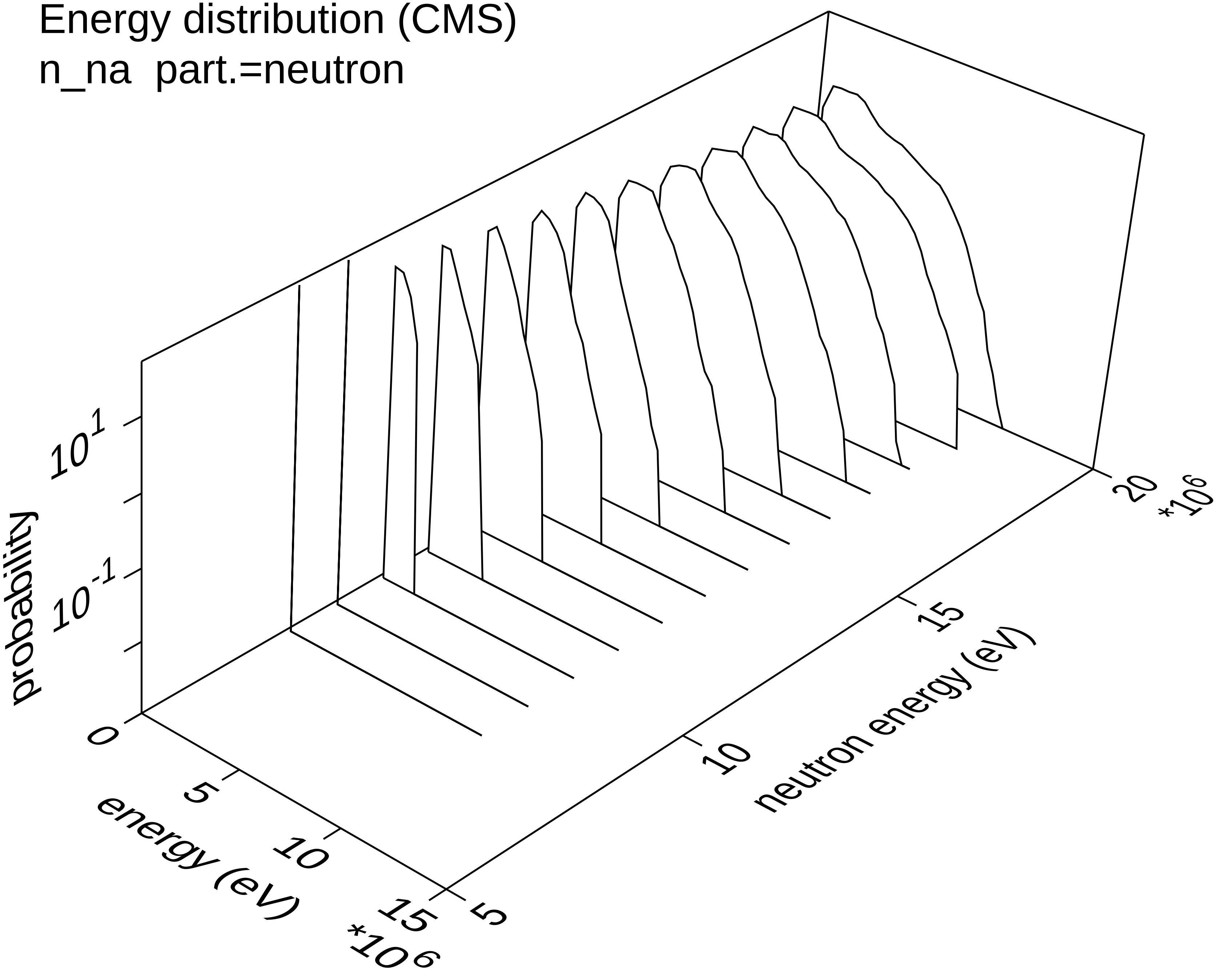
Energy distribution (CMS)
n_2n part.=neutron



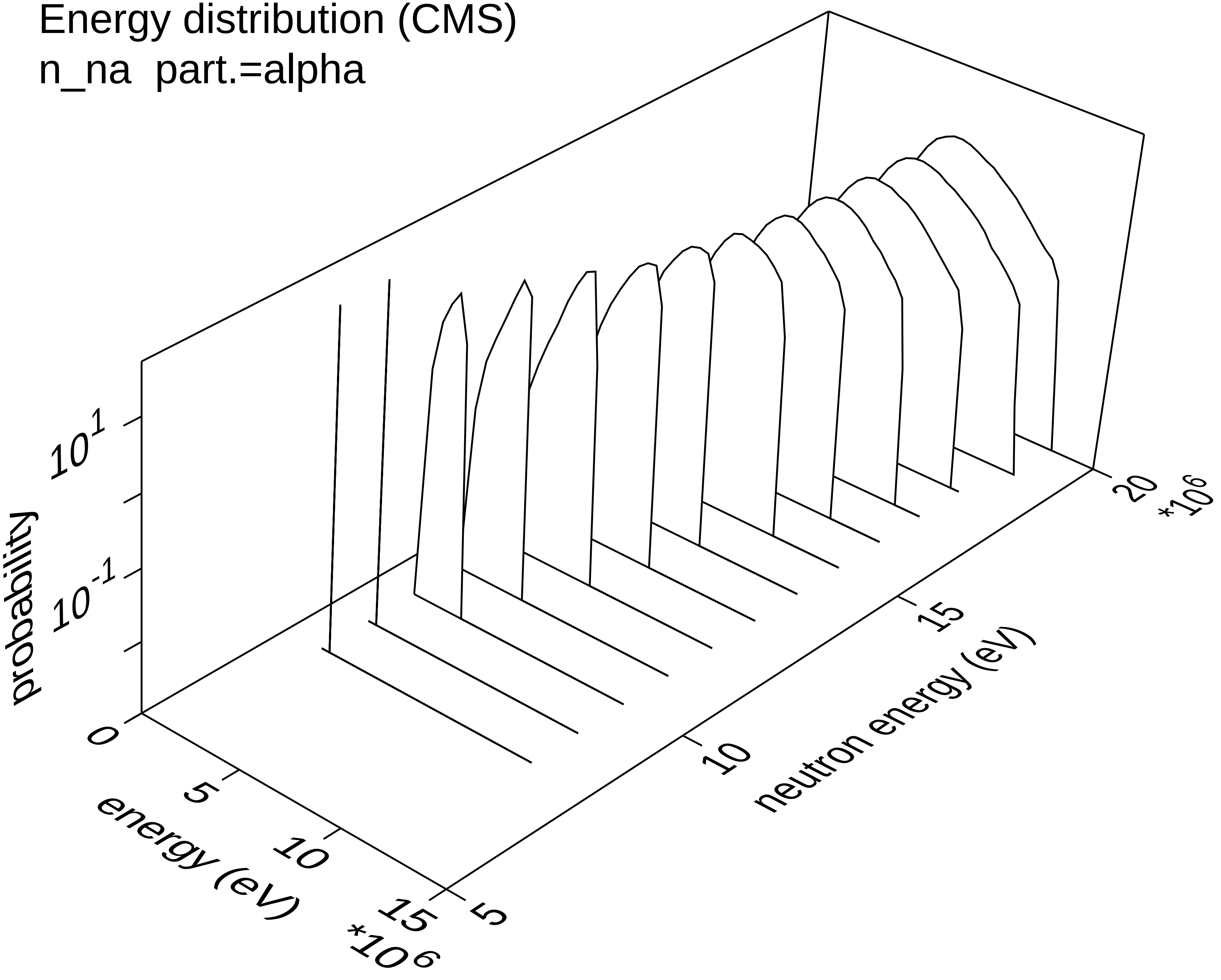
Energy distribution (CMS)
n_2n part.=gamma

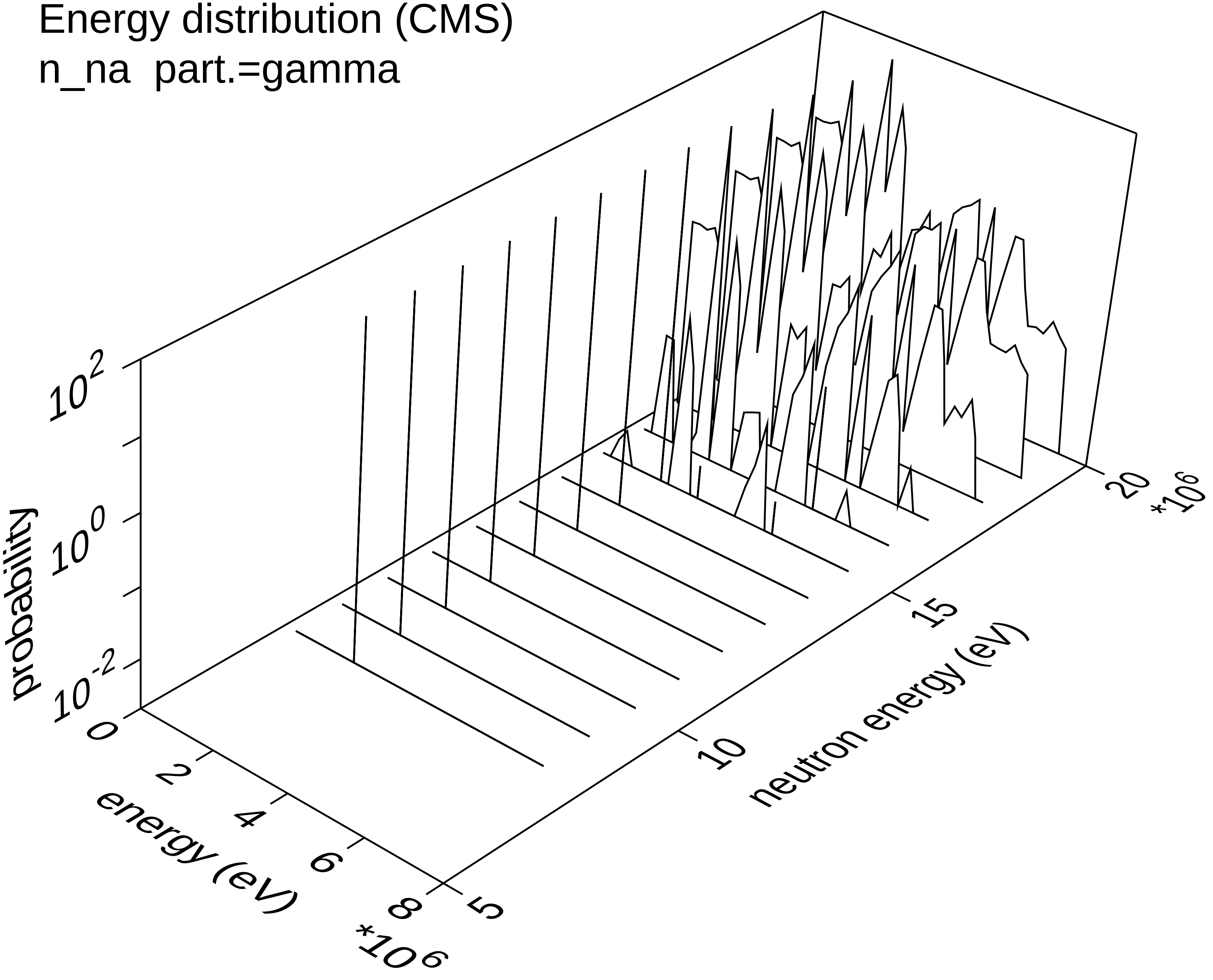


Energy distribution (CMS)
n_na part.=neutron



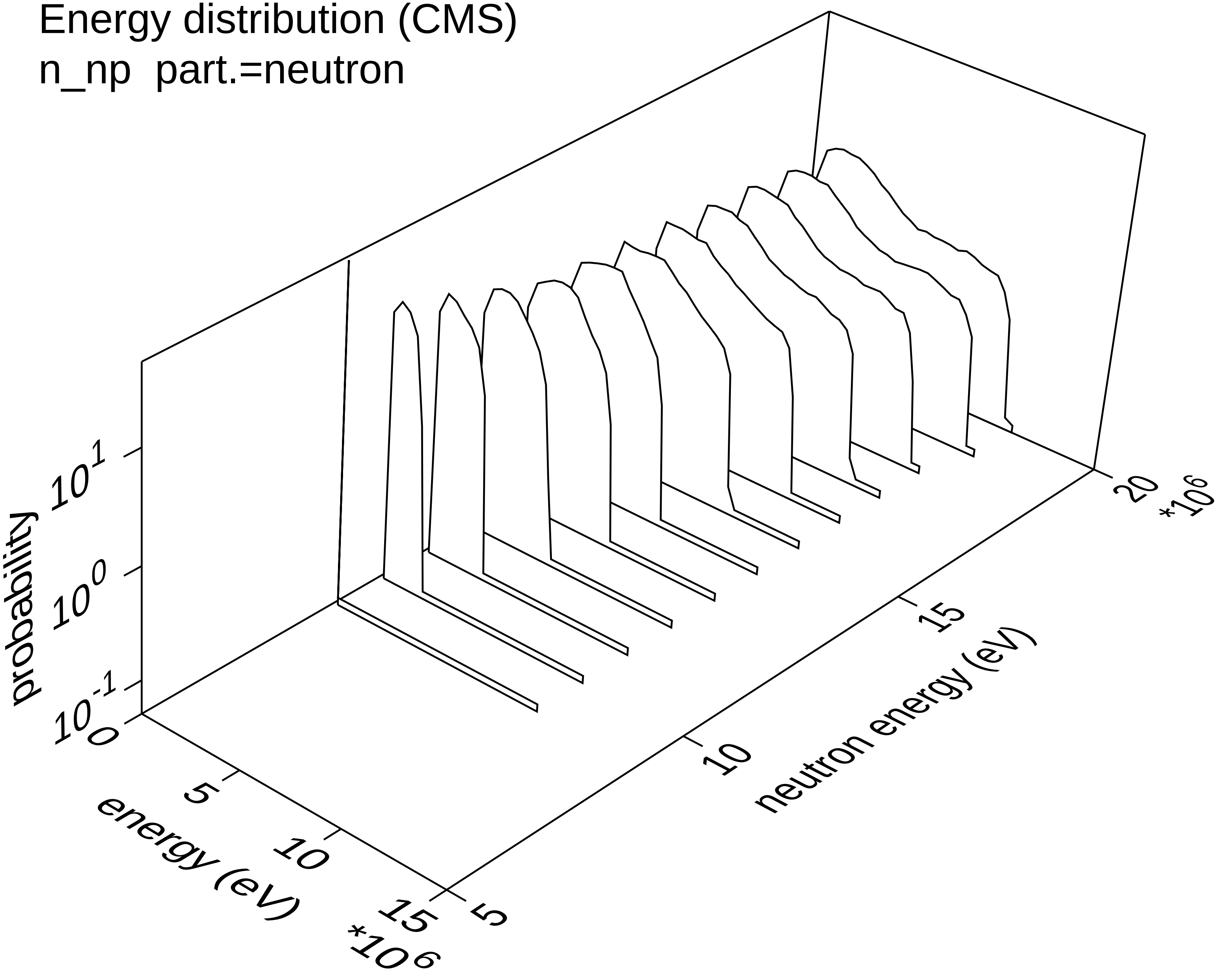
Energy distribution (CMS)
n_na part.=alpha



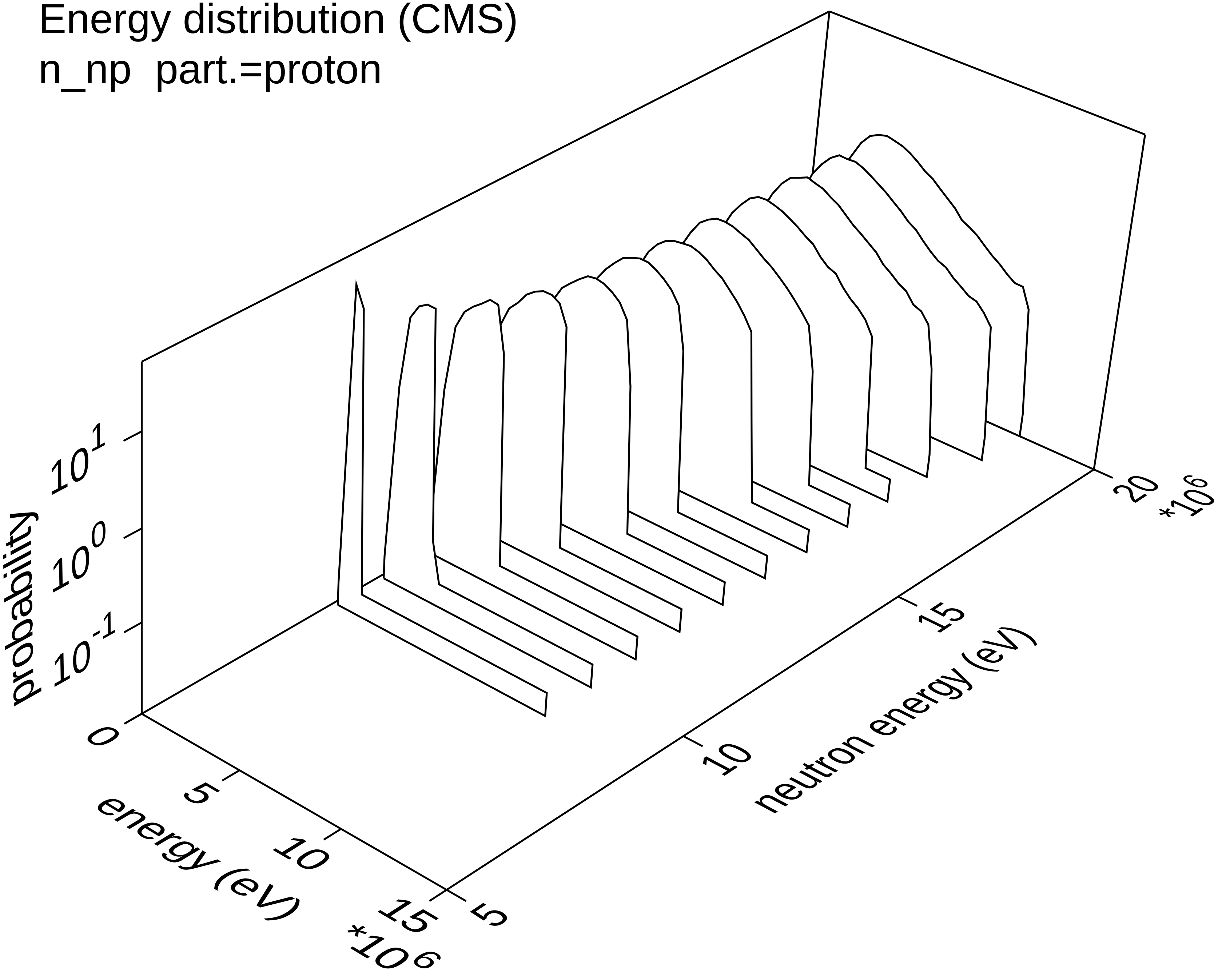


Energy distribution (CMS)
n_na part.=gamma

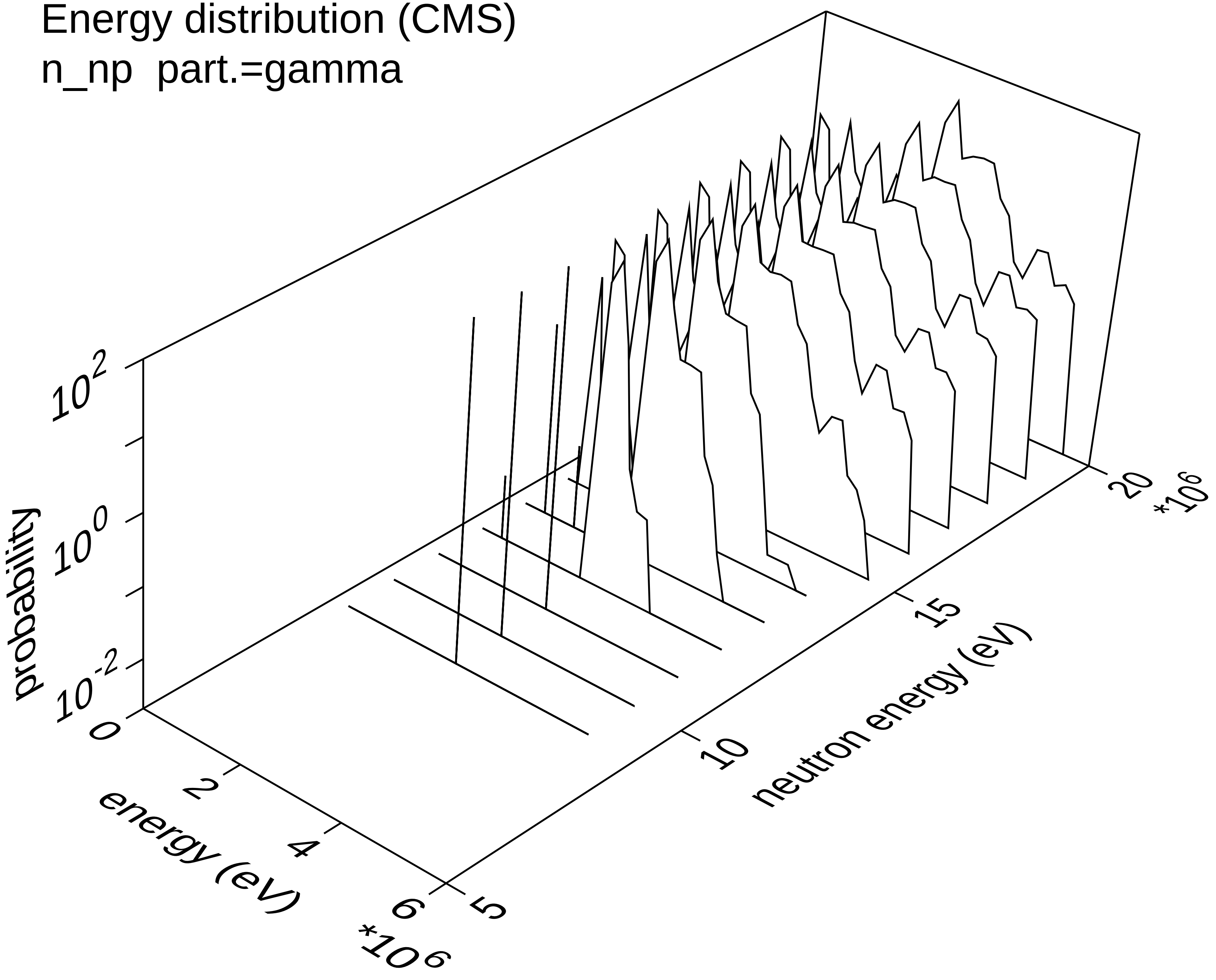
Energy distribution (CMS)
n_np part.=neutron

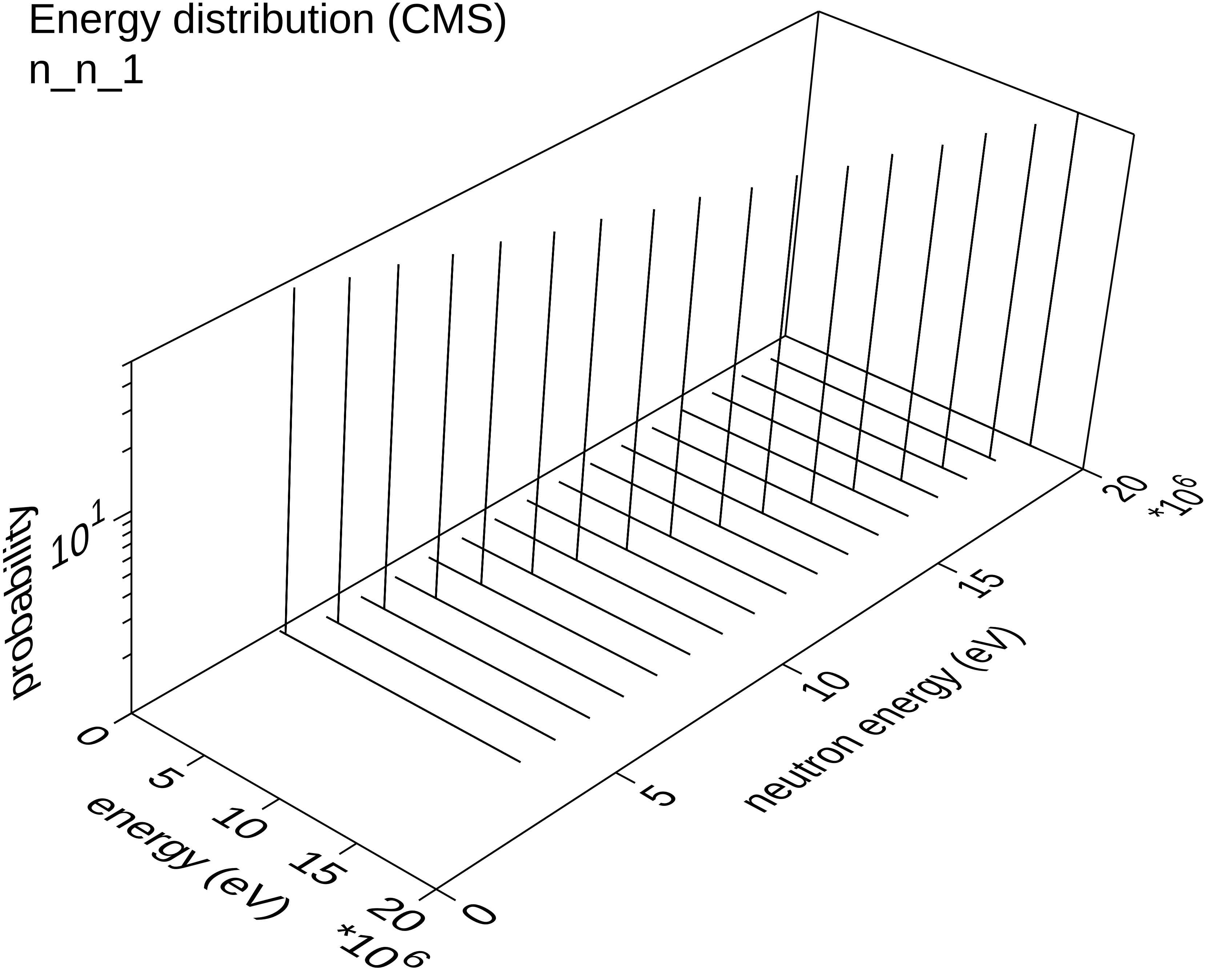


Energy distribution (CMS)
n_np part.=proton



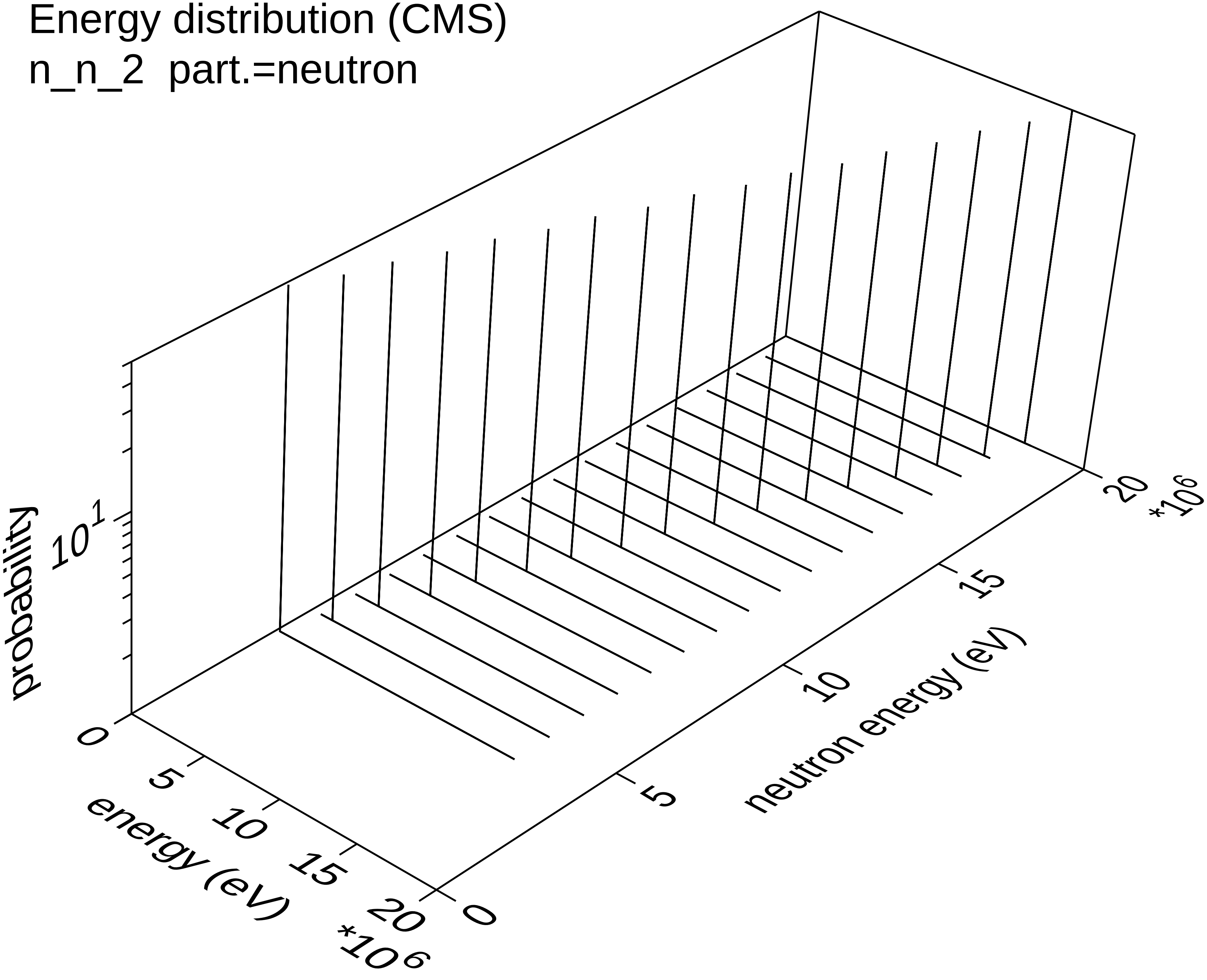
Energy distribution (CMS)
n_np part.=gamma



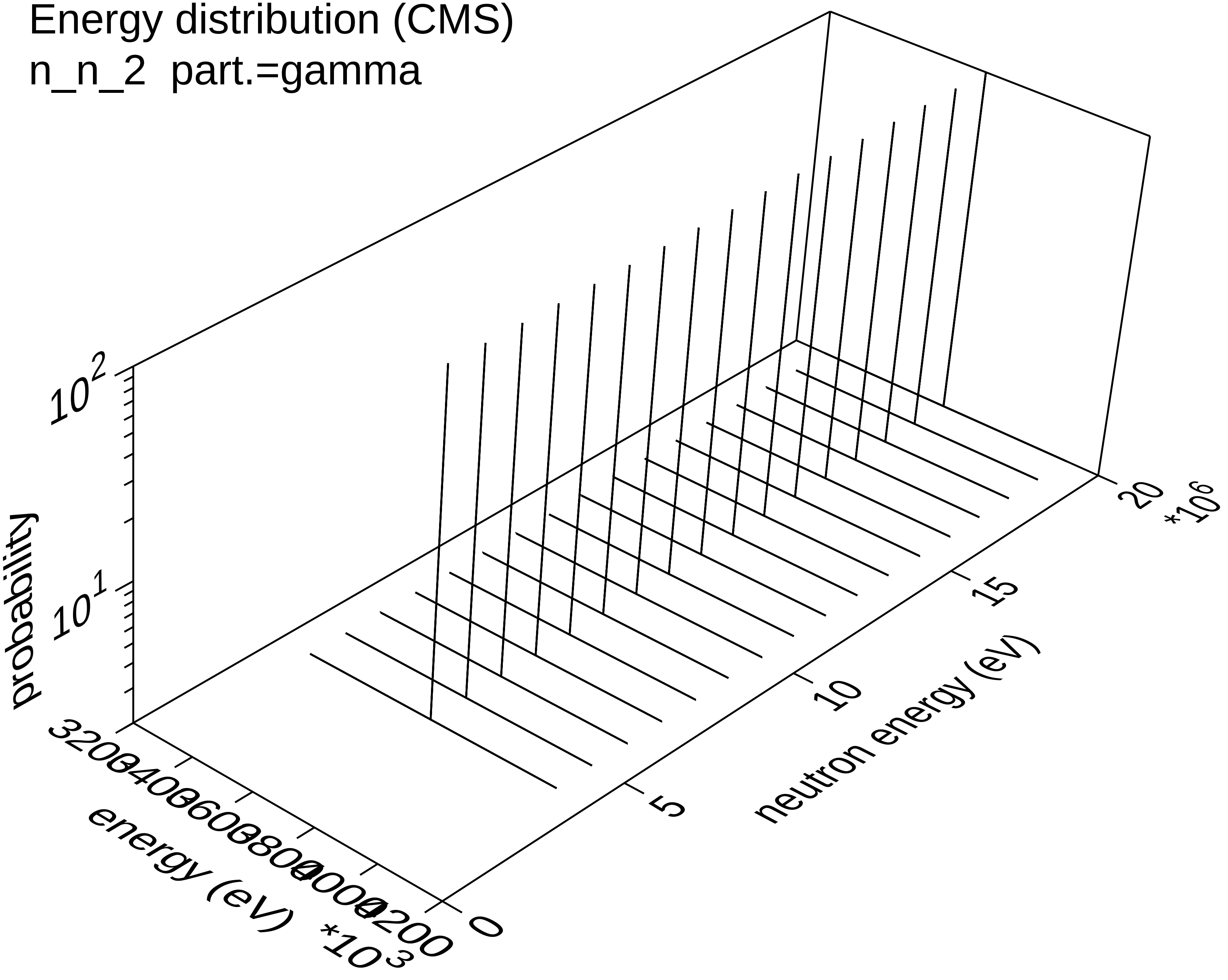


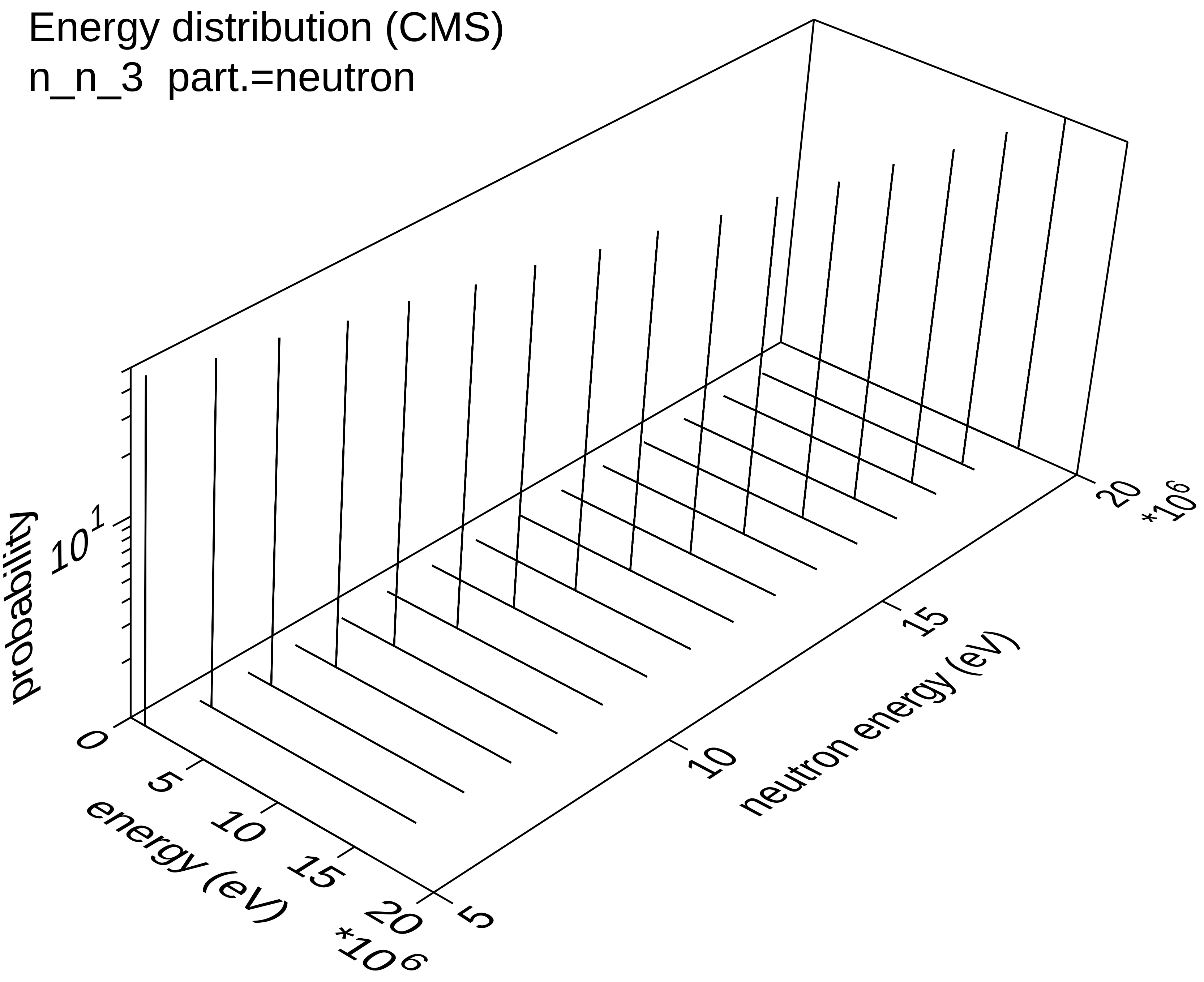
Energy distribution (CMS)
n_n_1

Energy distribution (CMS)
n_n_2 part.=neutron



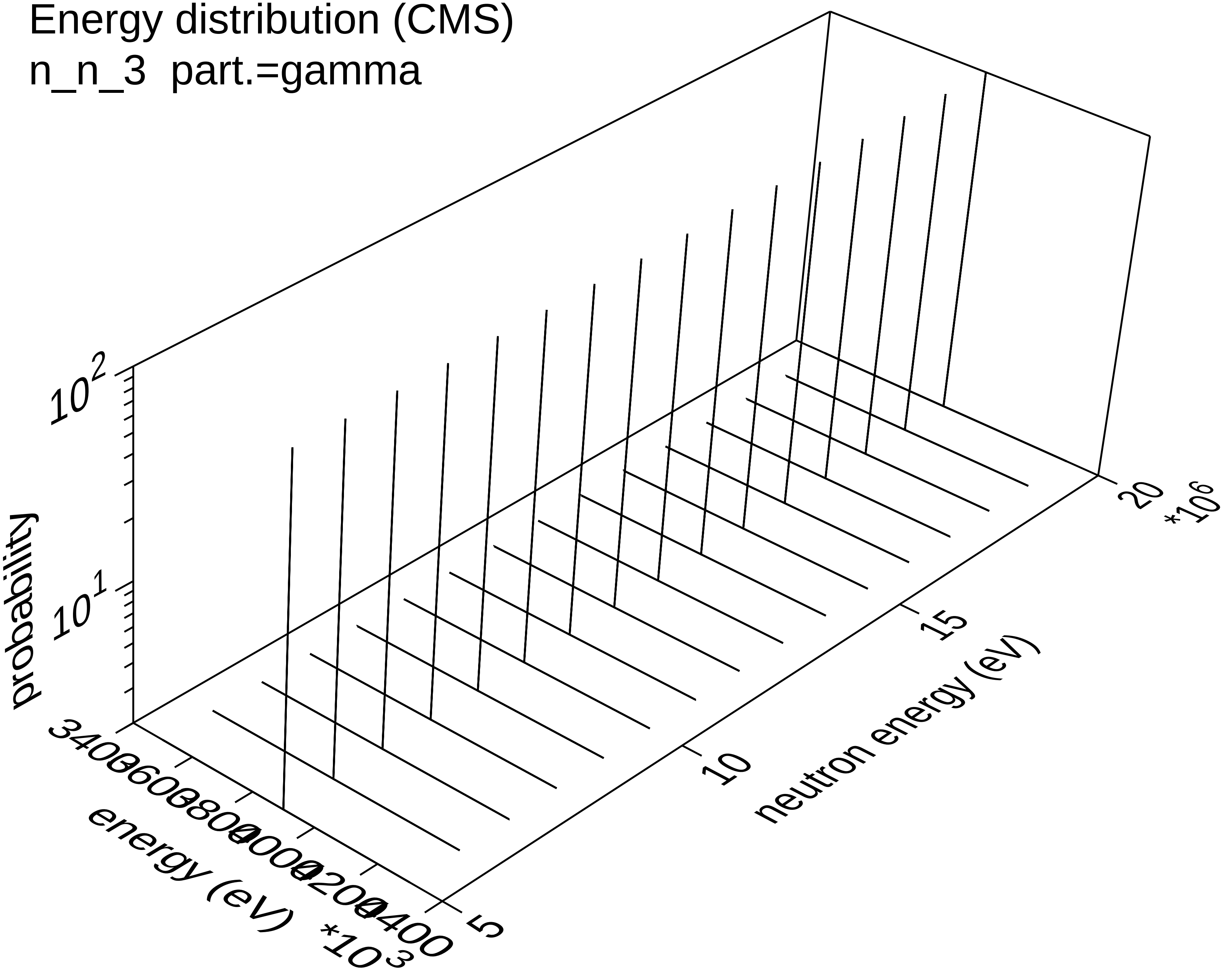
Energy distribution (CMS)
n_n_2 part.=gamma



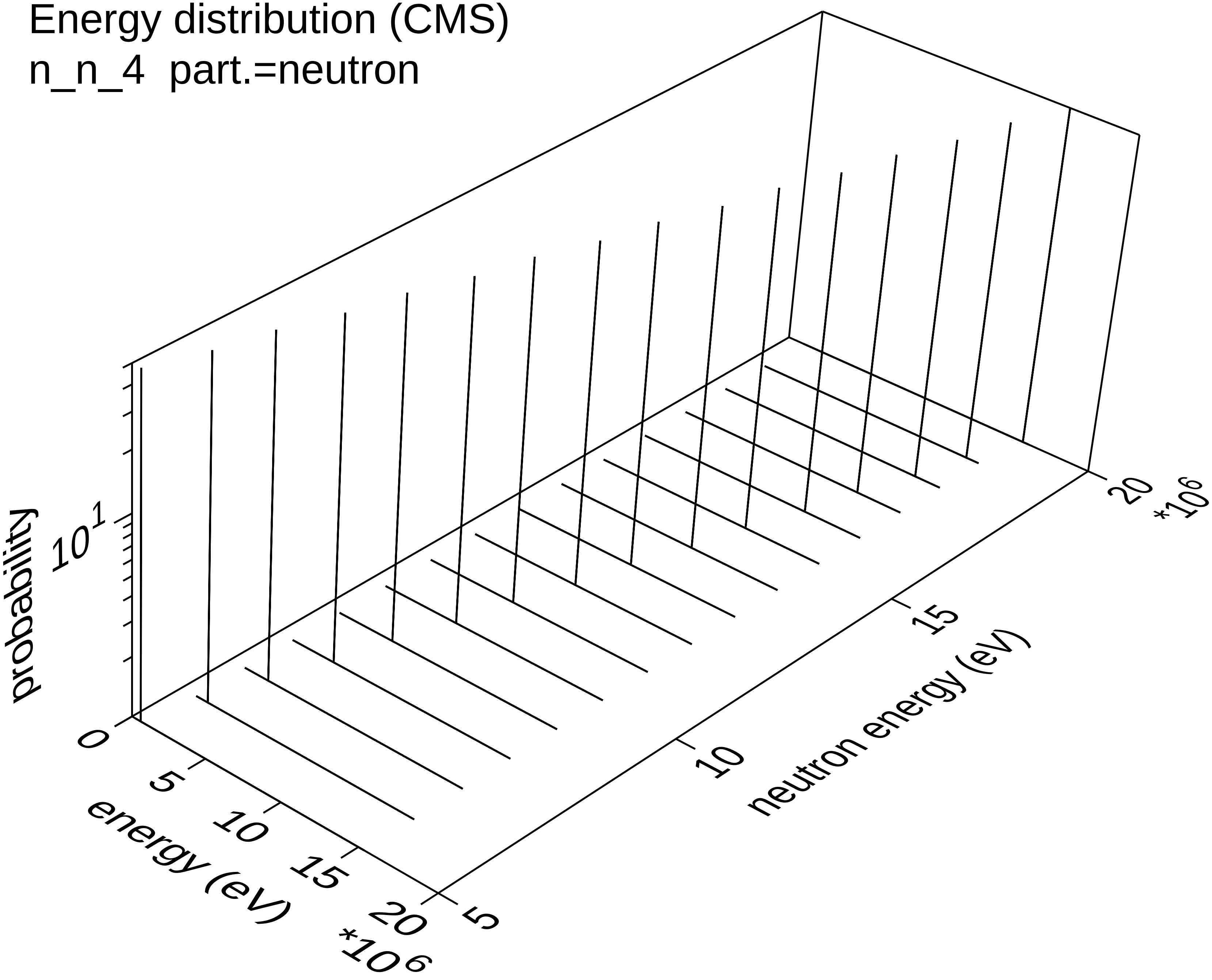


Energy distribution (CMS)
n_n_3 part.=neutron

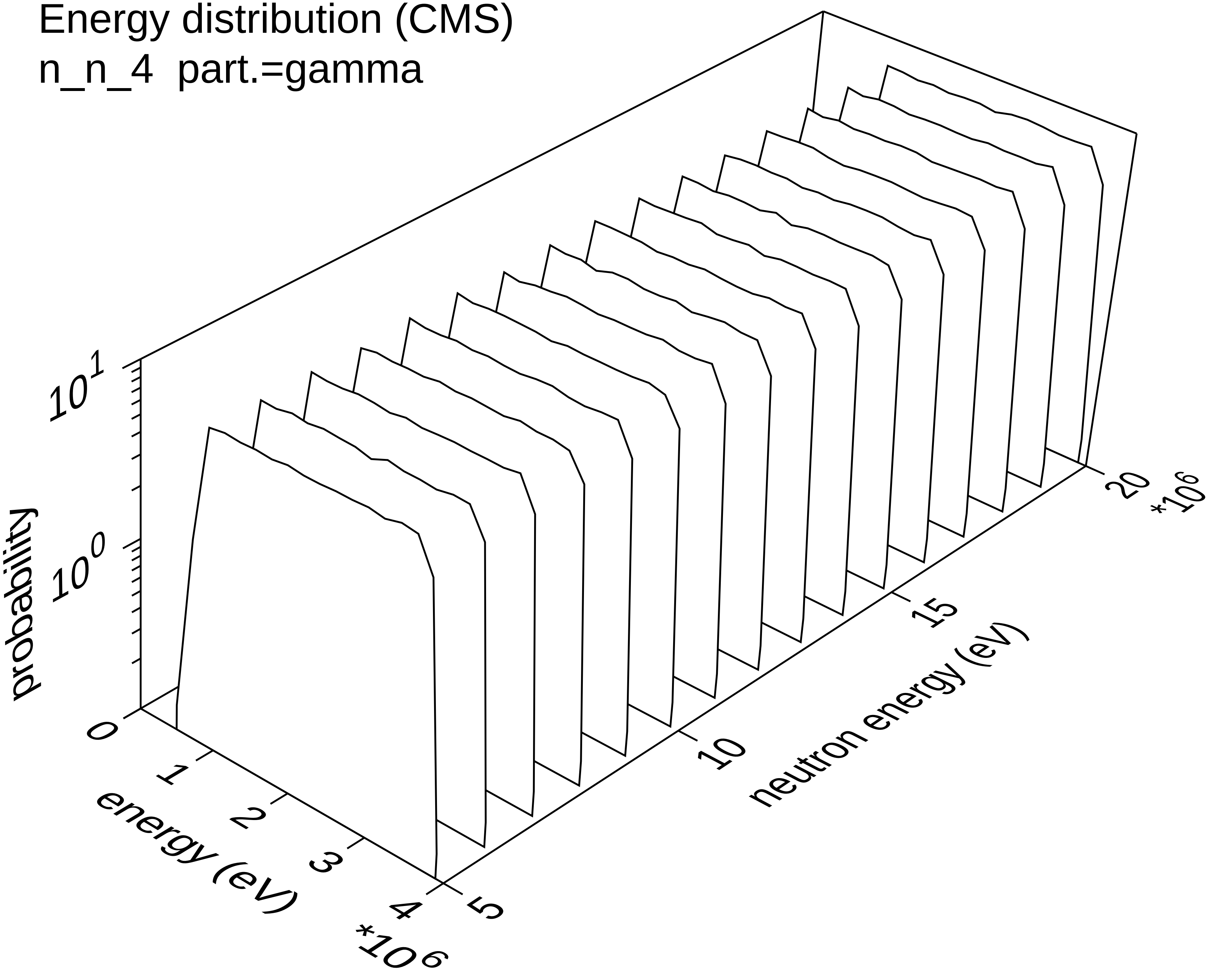
Energy distribution (CMS)
n_n_3 part.=gamma

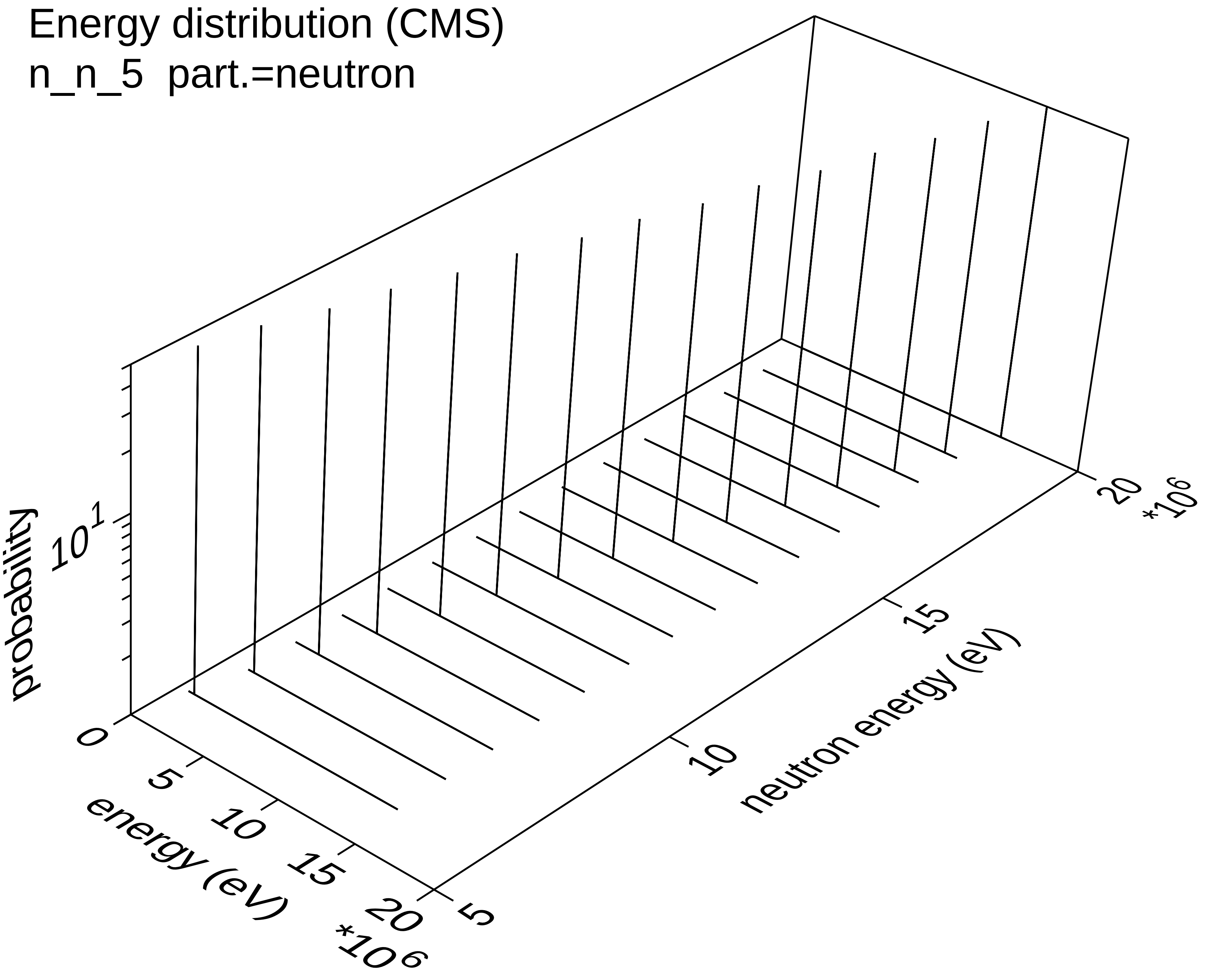


Energy distribution (CMS)
n_n_4 part.=neutron

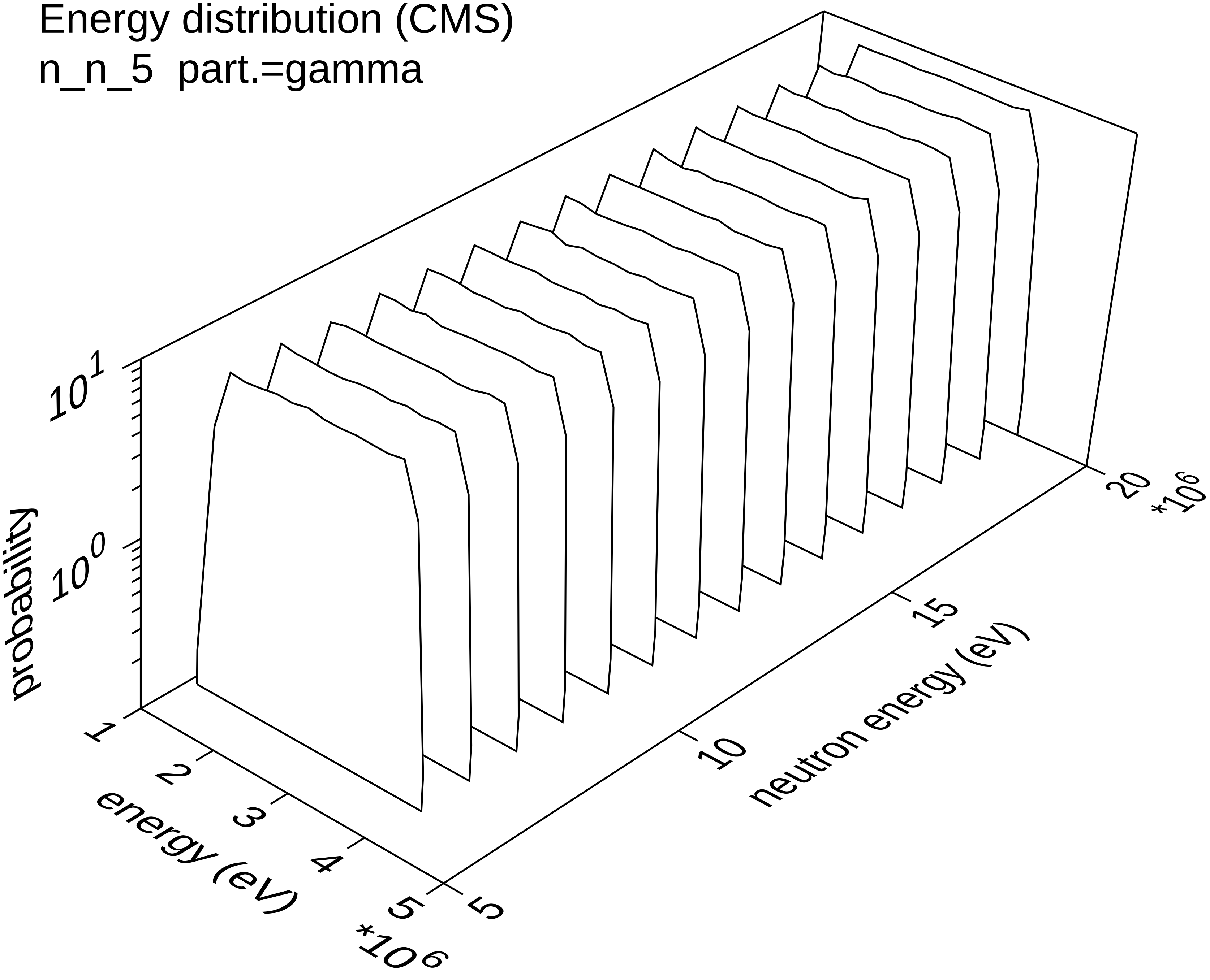


Energy distribution (CMS)
n_n_4 part.=gamma

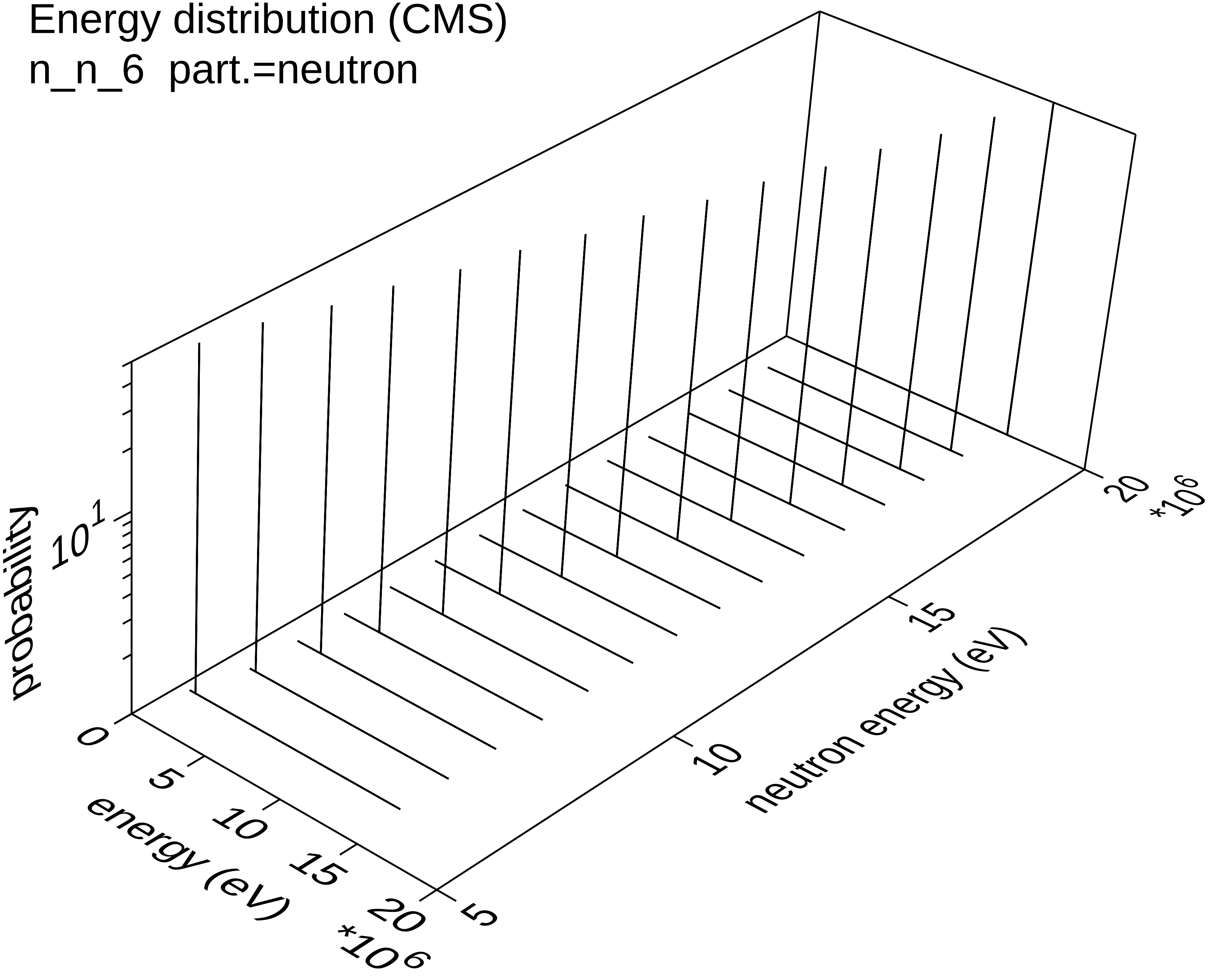


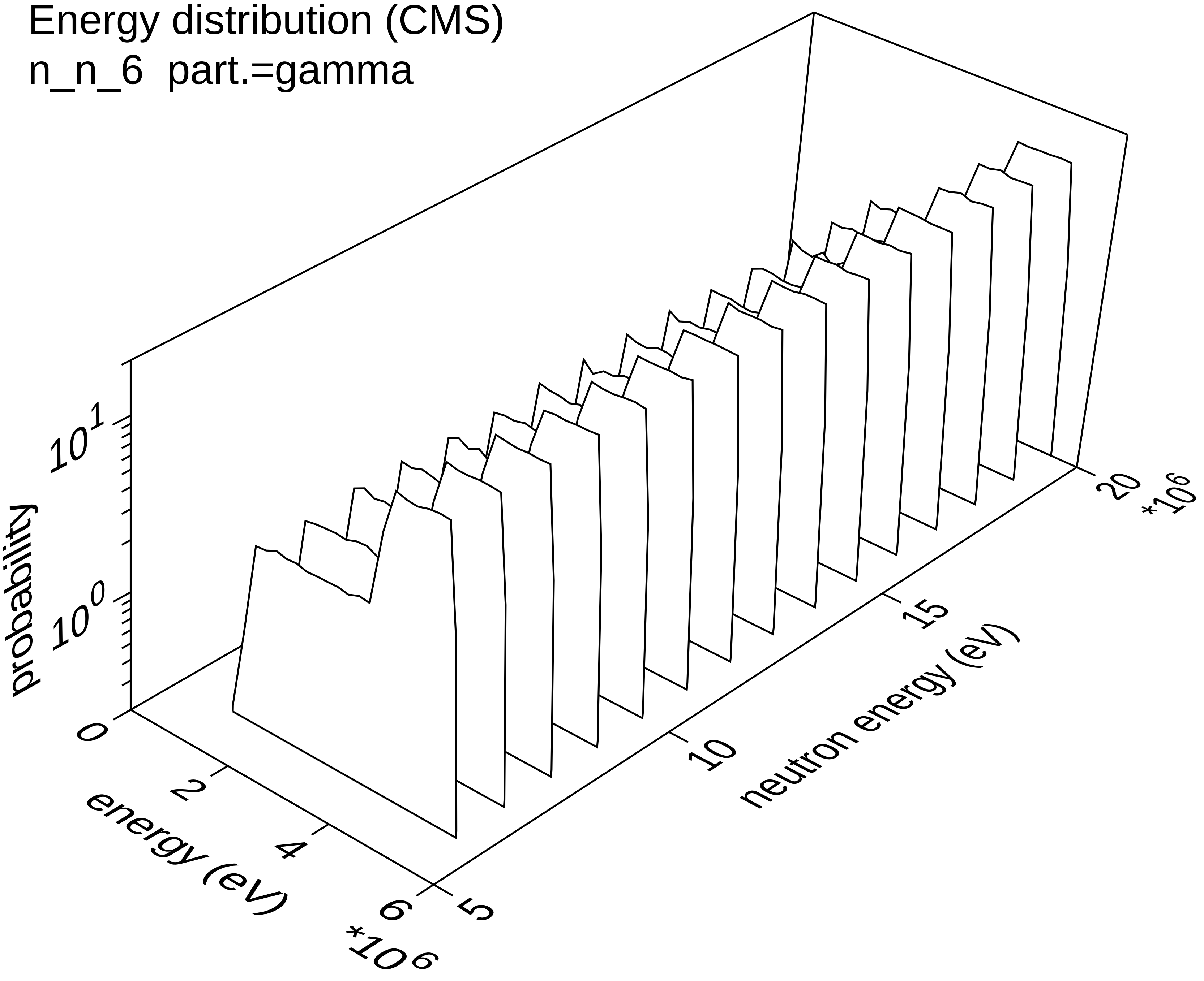

Energy distribution (CMS)
n_n_5 part.=neutron
probability
10^1
0
5
10
15
20
energy (eV)
*10^6
5
10
15
20
*10^6
neutron energy (eV)

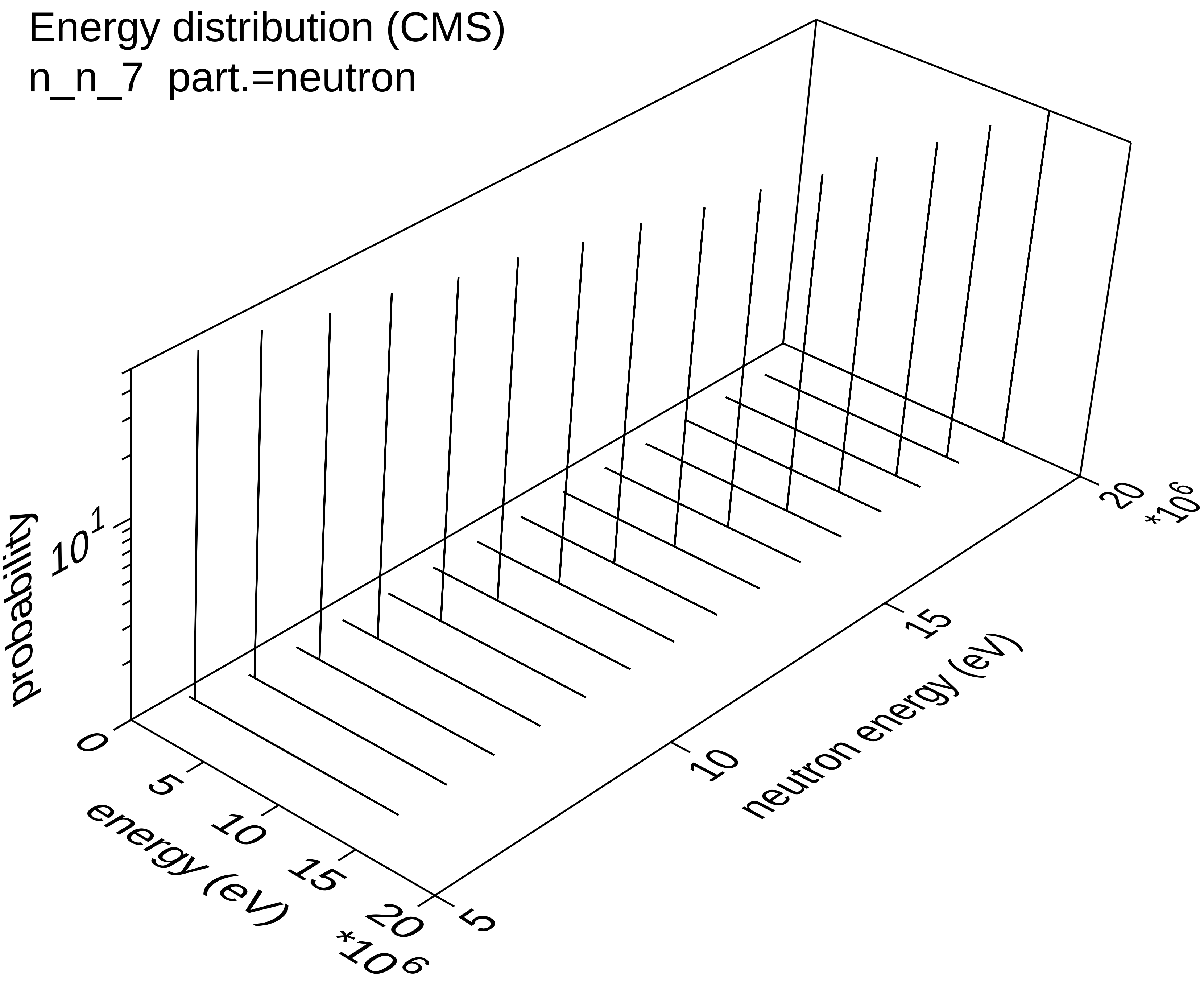
Energy distribution (CMS)
n_n_5 part.=gamma



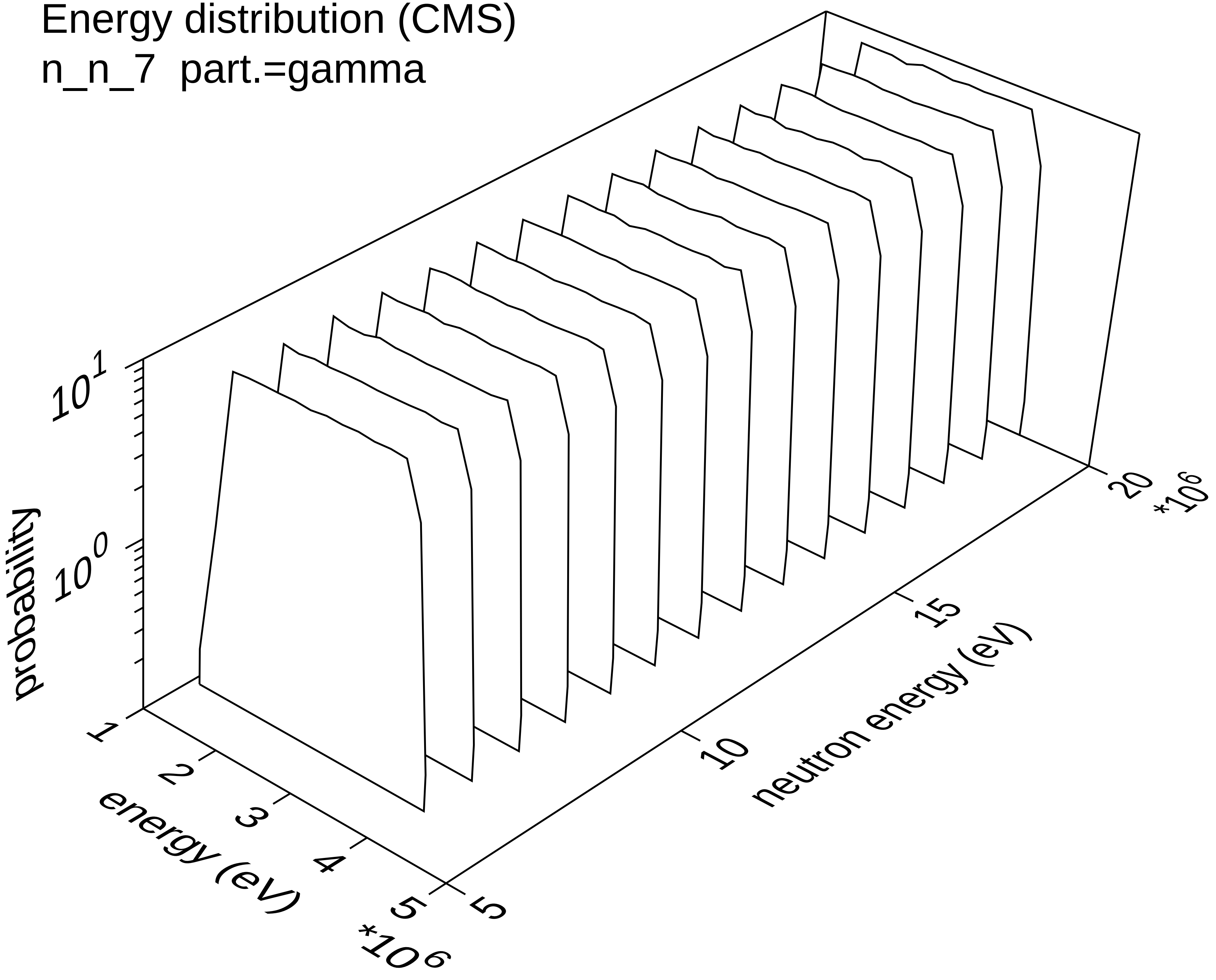
Energy distribution (CMS)
n_n_6 part.=neutron



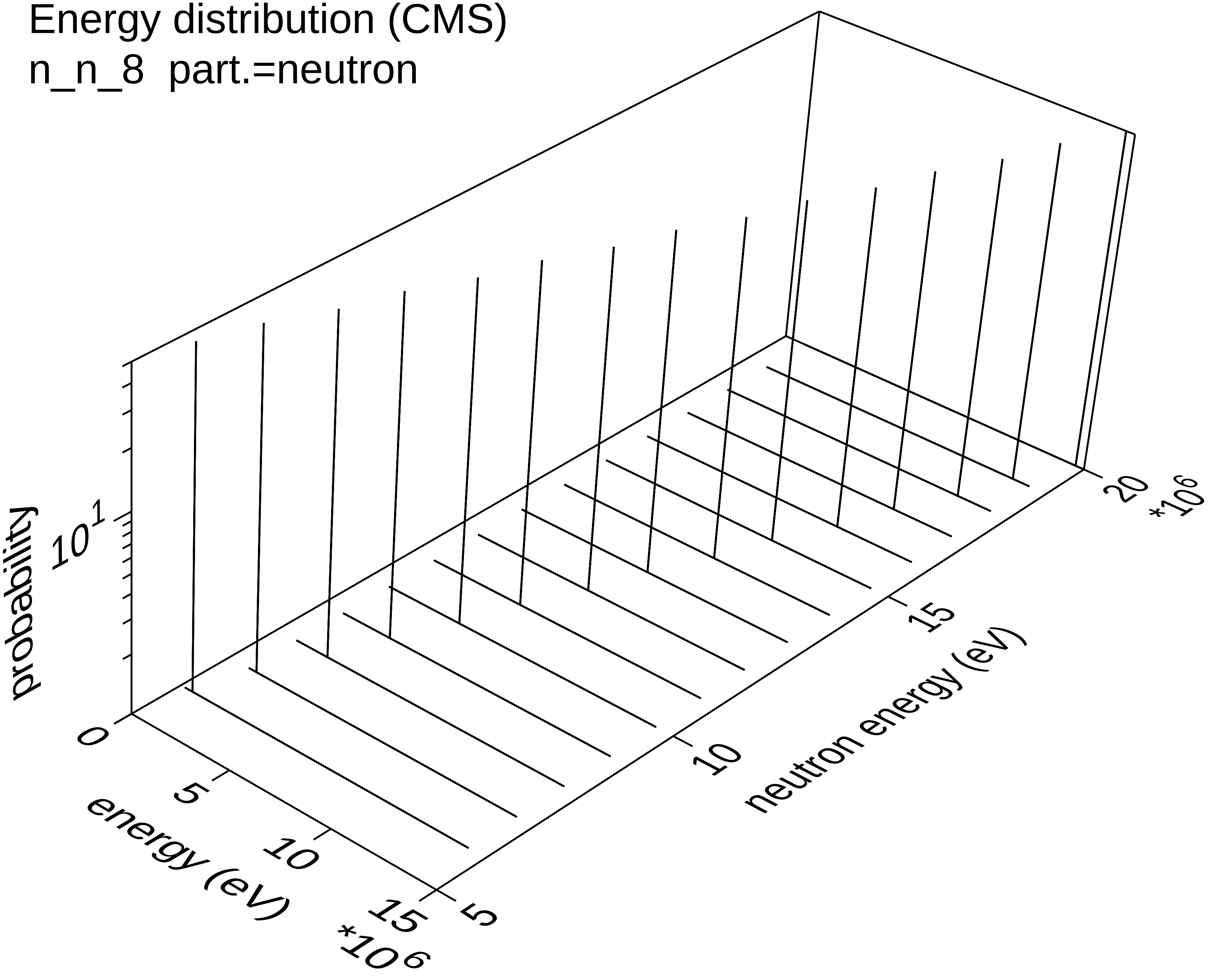

Energy distribution (CMS)
n_n_6 part.=gamma
probability
10^1
10^0
0
2
4
6
$*10^6$
energy (eV)
5
10
15
20
$*10^6$
neutron energy (eV)

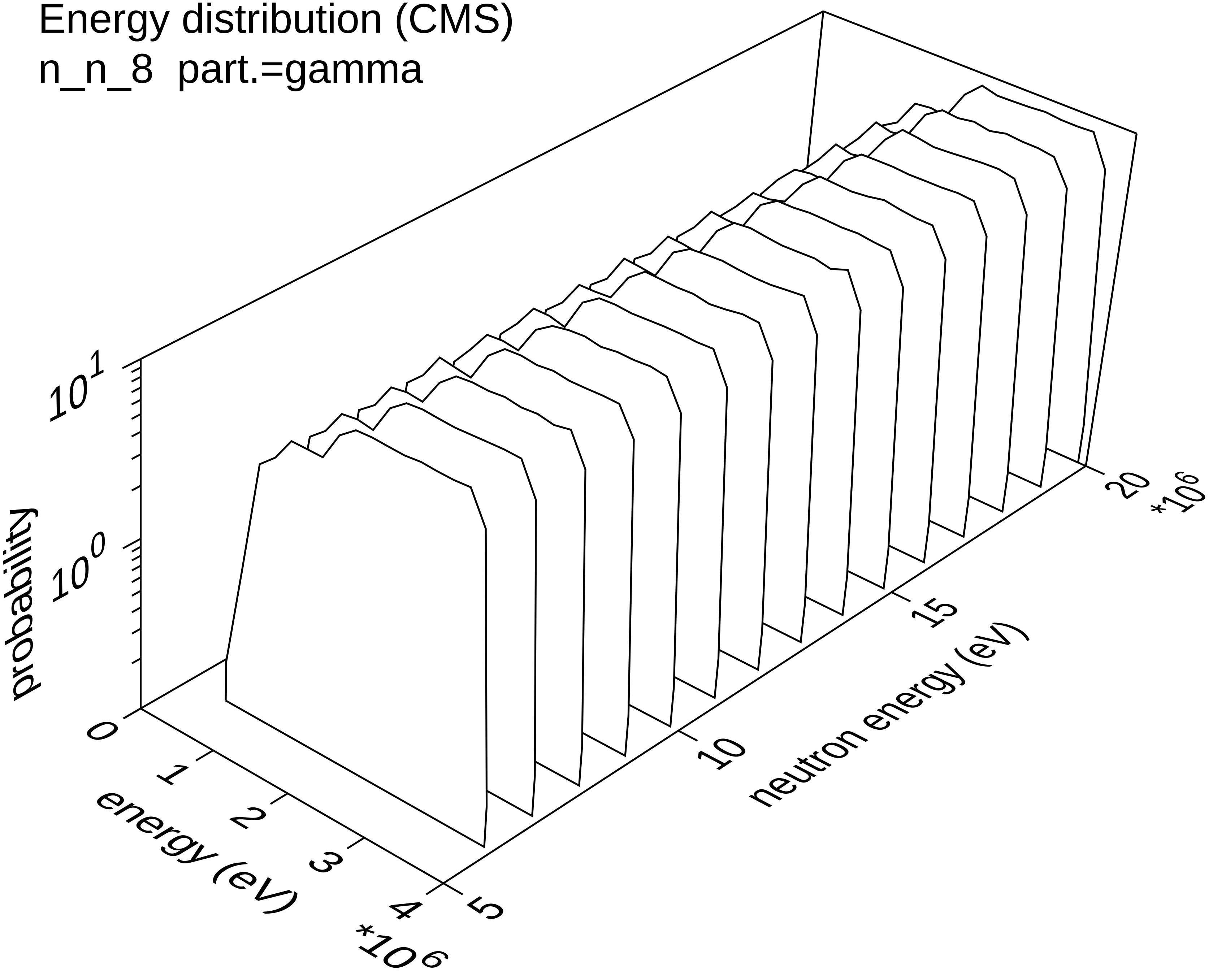

Energy distribution (CMS)
n_n_7 part.=neutron
probability
10^1
0
5
10
15
20
energy (eV)
*10^6
5
10
15
20
neutron energy (eV)
*10^6

Energy distribution (CMS)
n_n_7 part.=gamma

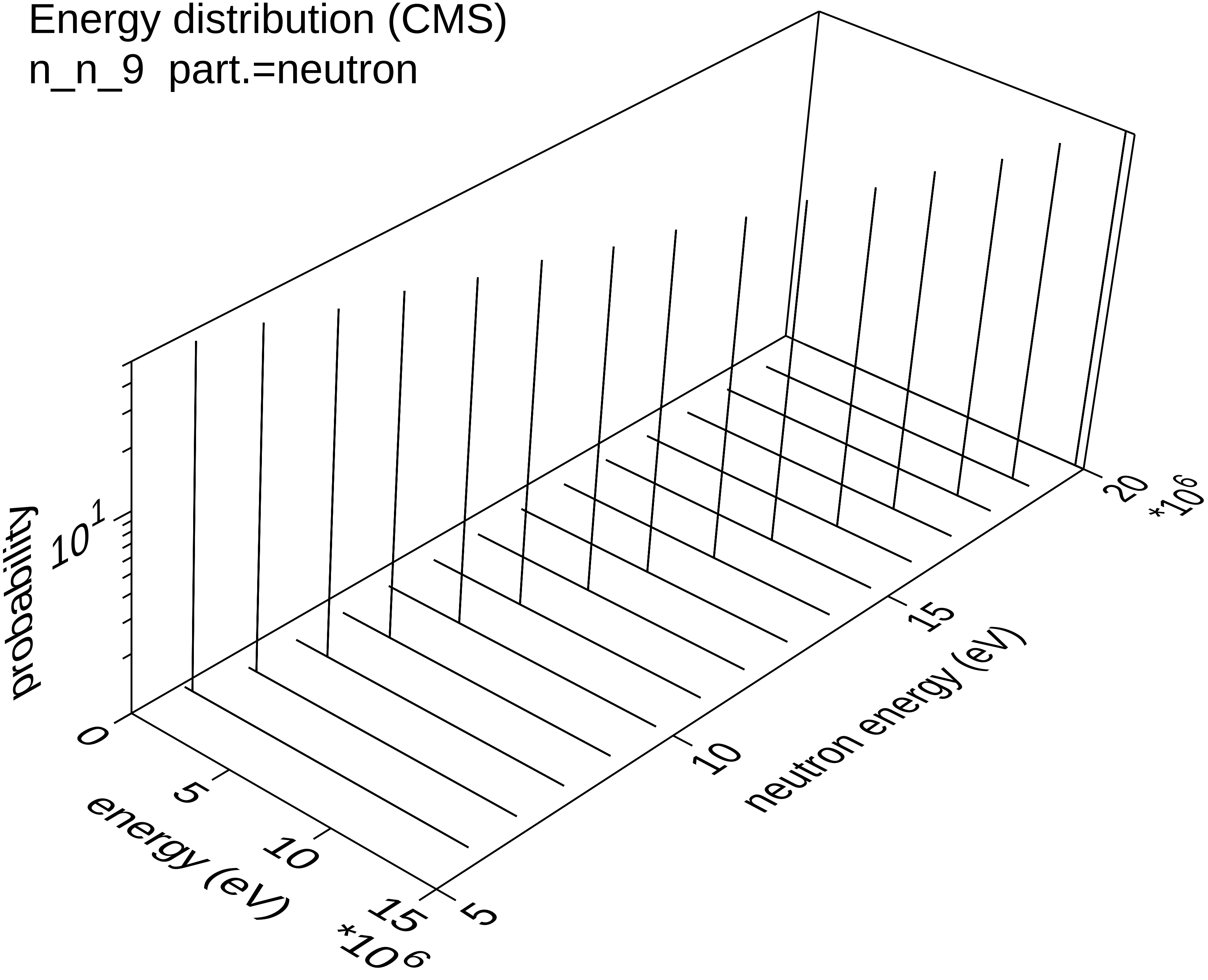


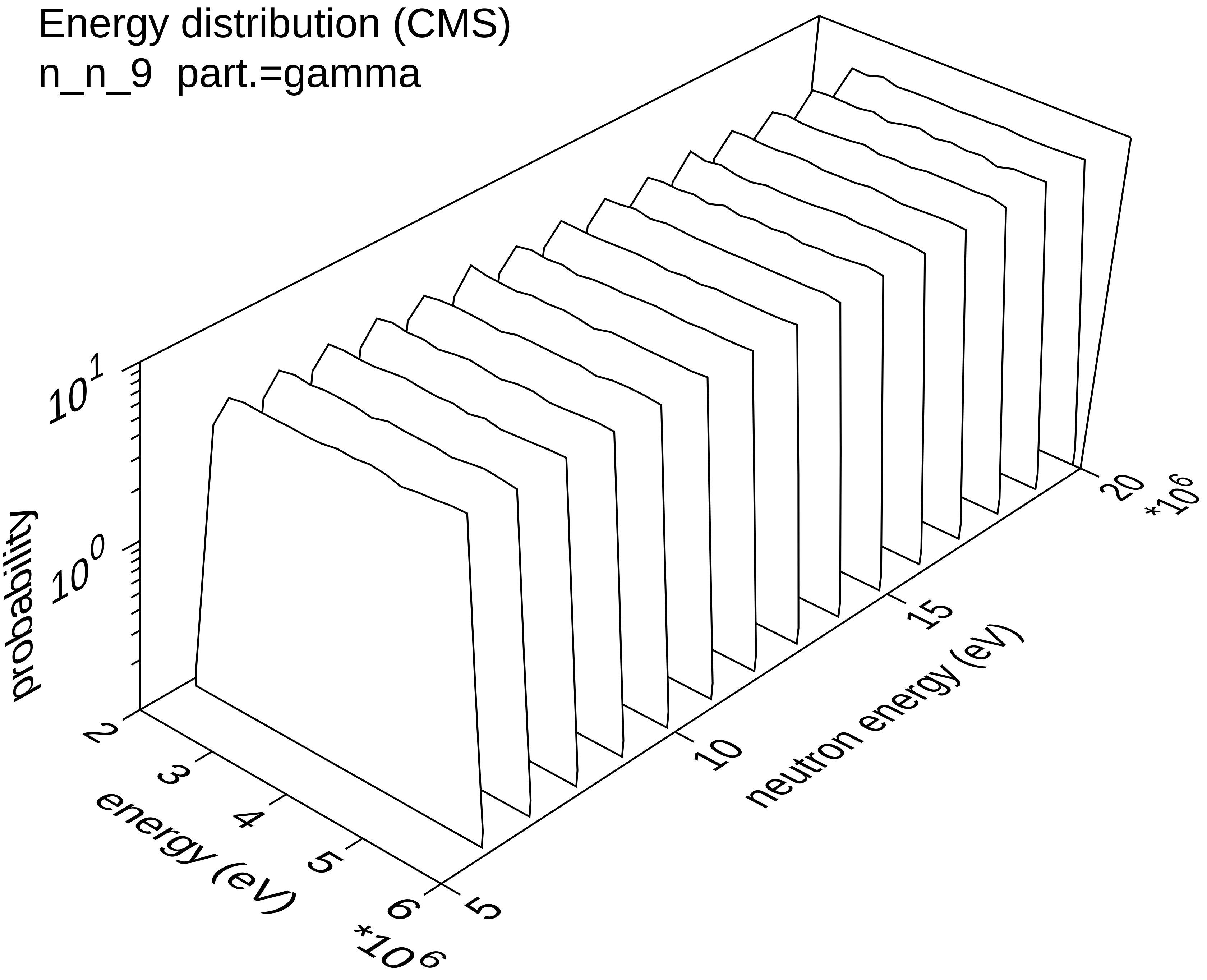
Energy distribution (CMS)
n_n_8 part.=neutron



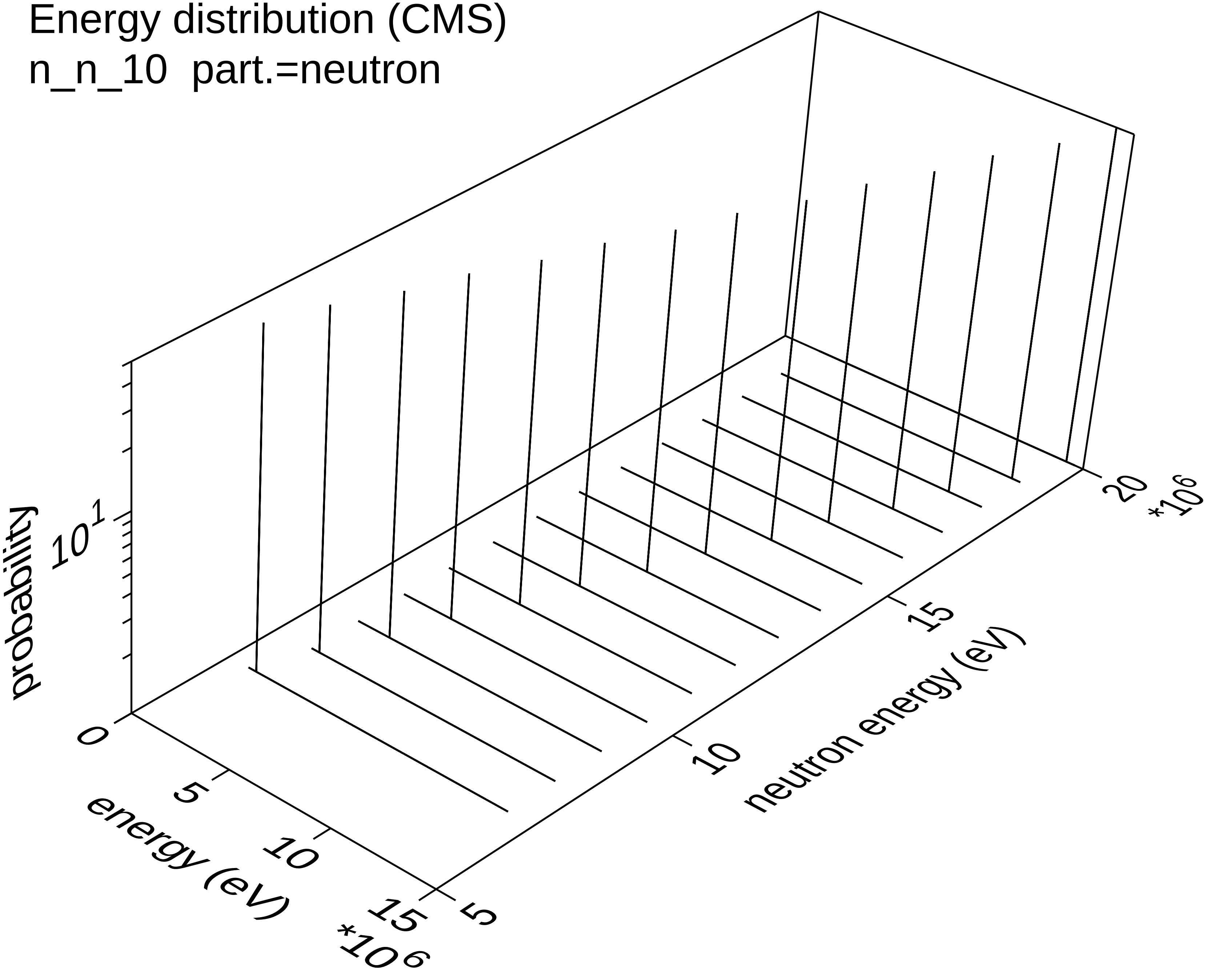

Energy distribution (CMS)
n_n_8 part.=gamma

Energy distribution (CMS)
n_n_9 part.=neutron

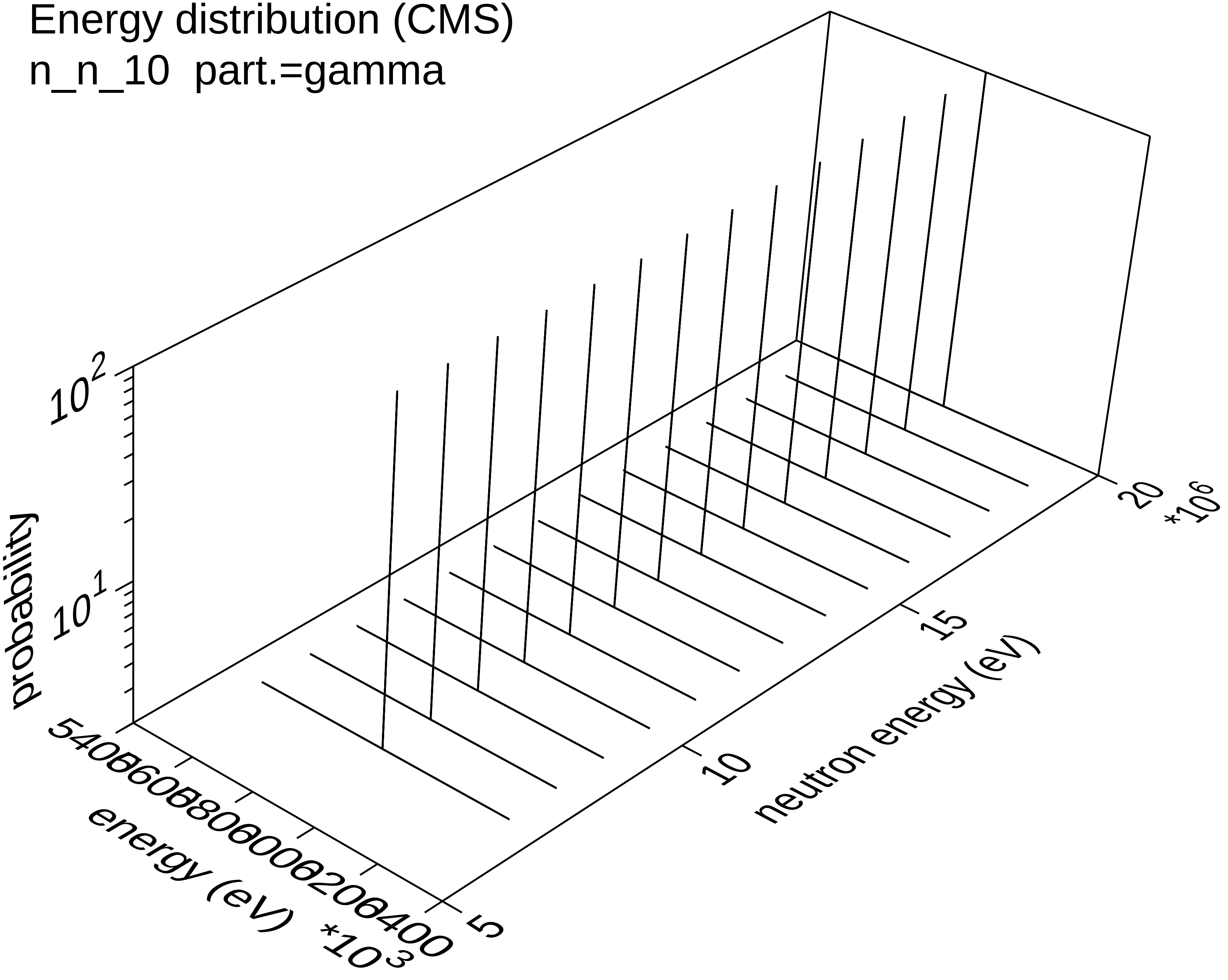



Energy distribution (CMS)
n_n_9 part.=gamma
probability
10^1
10^0
2
3
4
5
6
$*10^6$
energy (eV)
5
10
15
20
$*10^6$
neutron energy (eV)

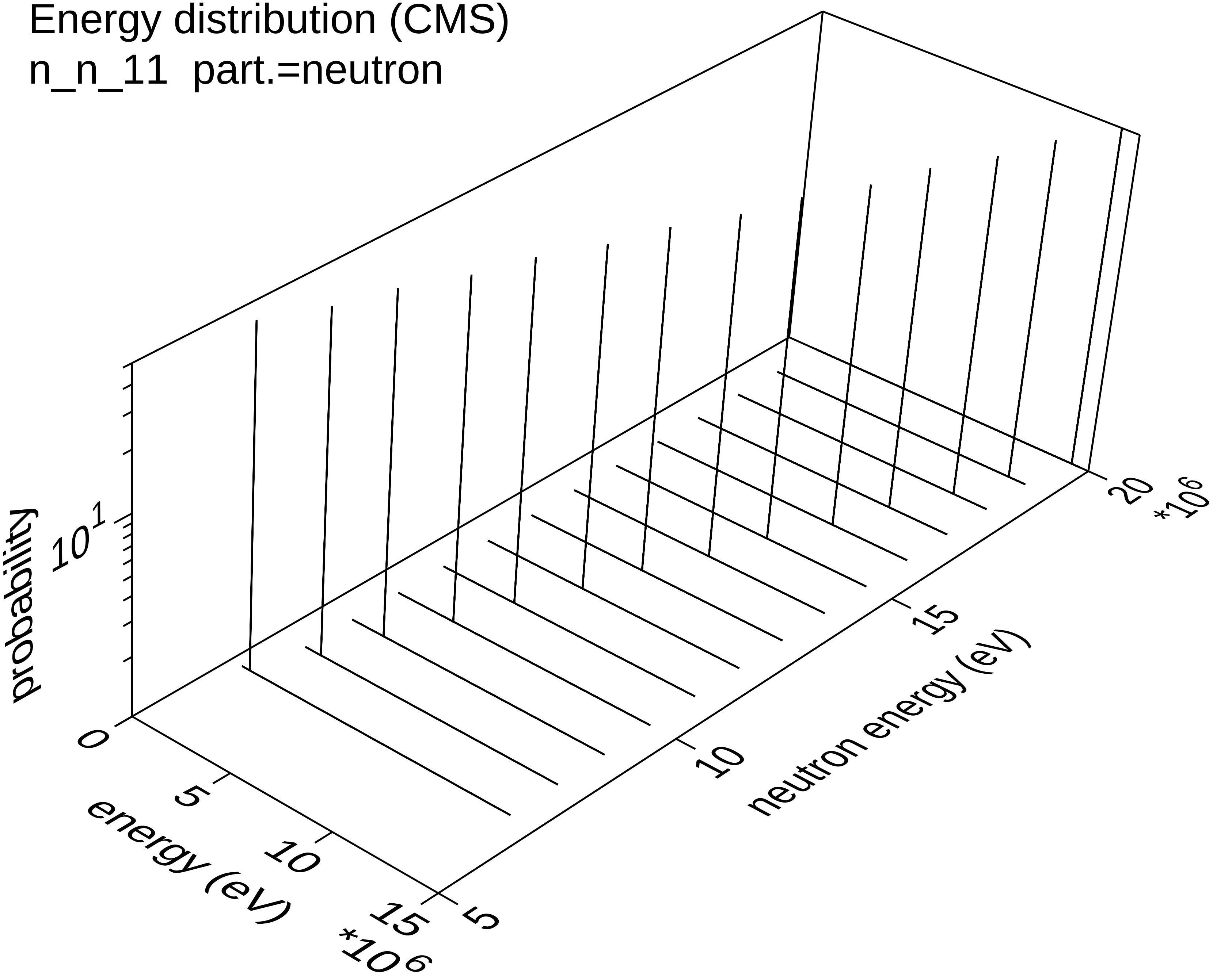
Energy distribution (CMS)
n_n_10 part.=neutron



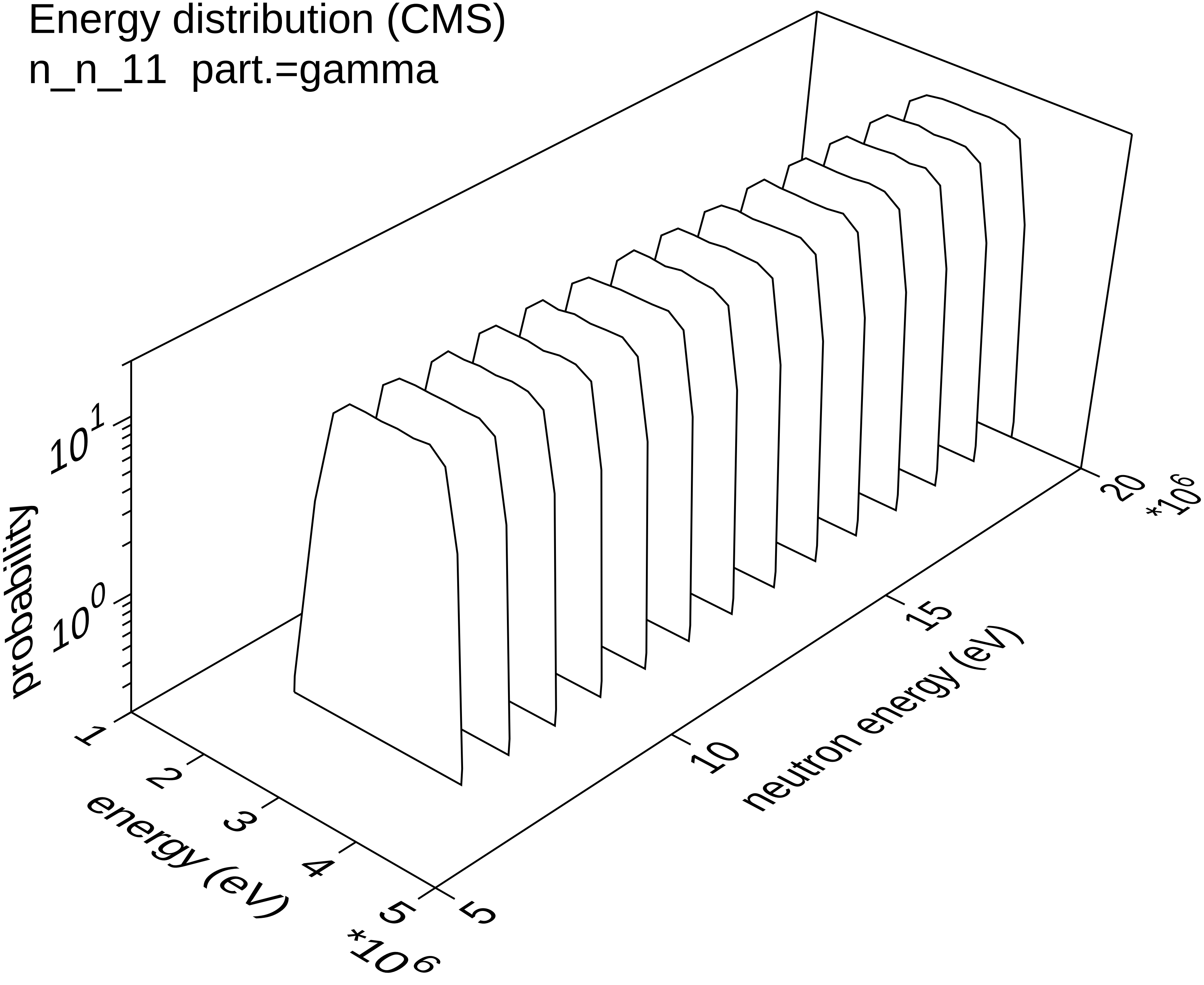
Energy distribution (CMS)
n_n_10 part.=gamma



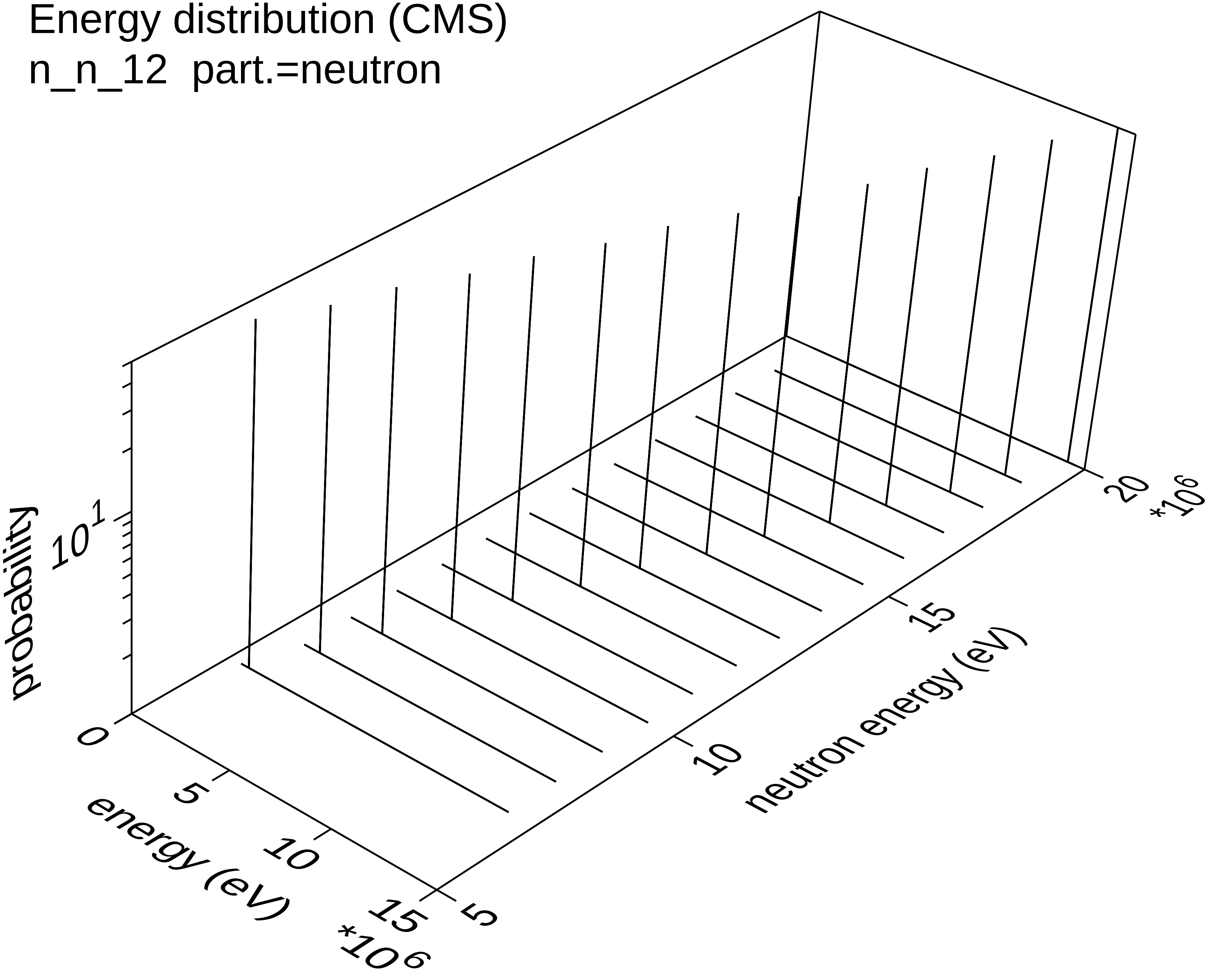
Energy distribution (CMS)
n_n_11 part.=neutron



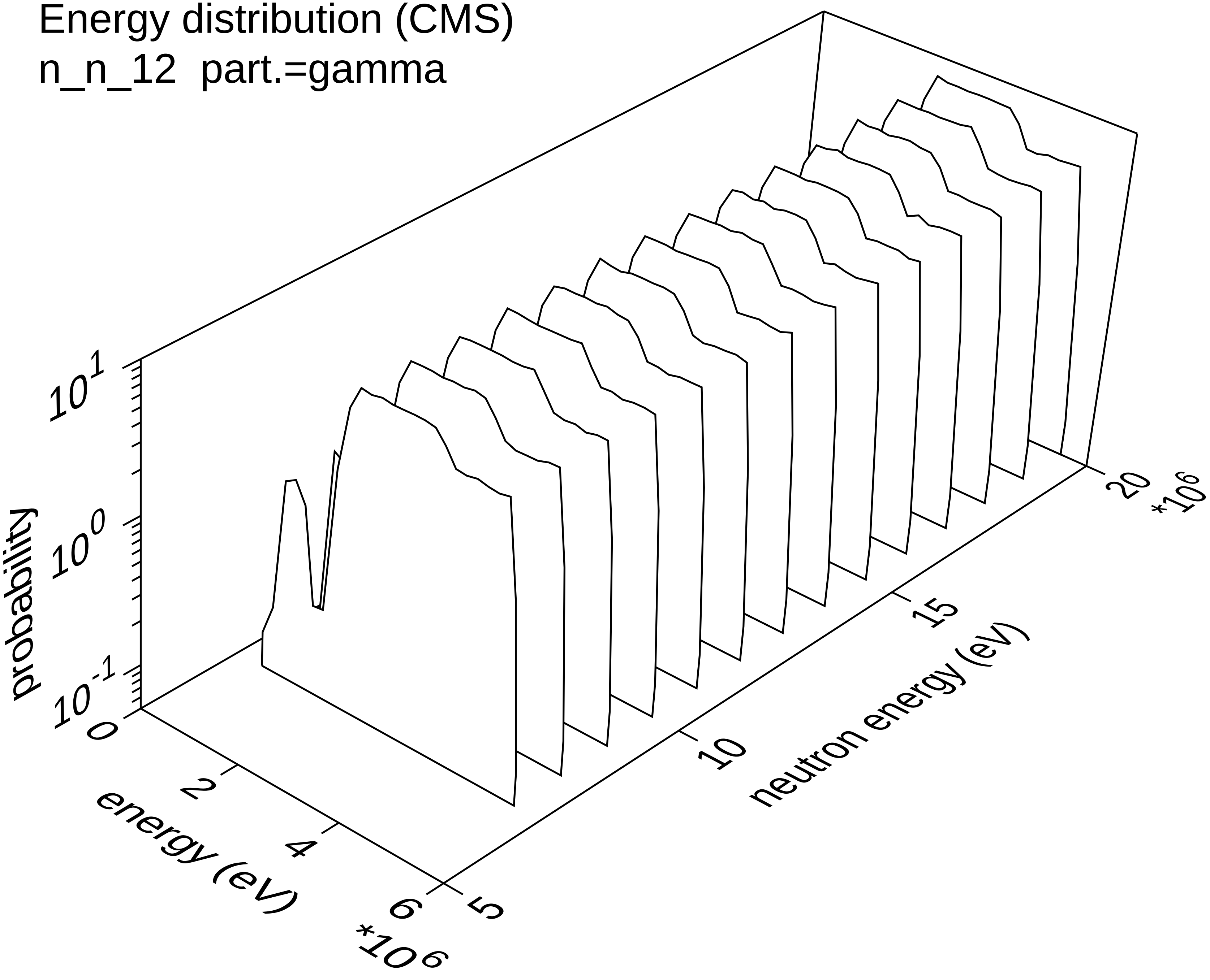
Energy distribution (CMS)
n_n_11 part.=gamma



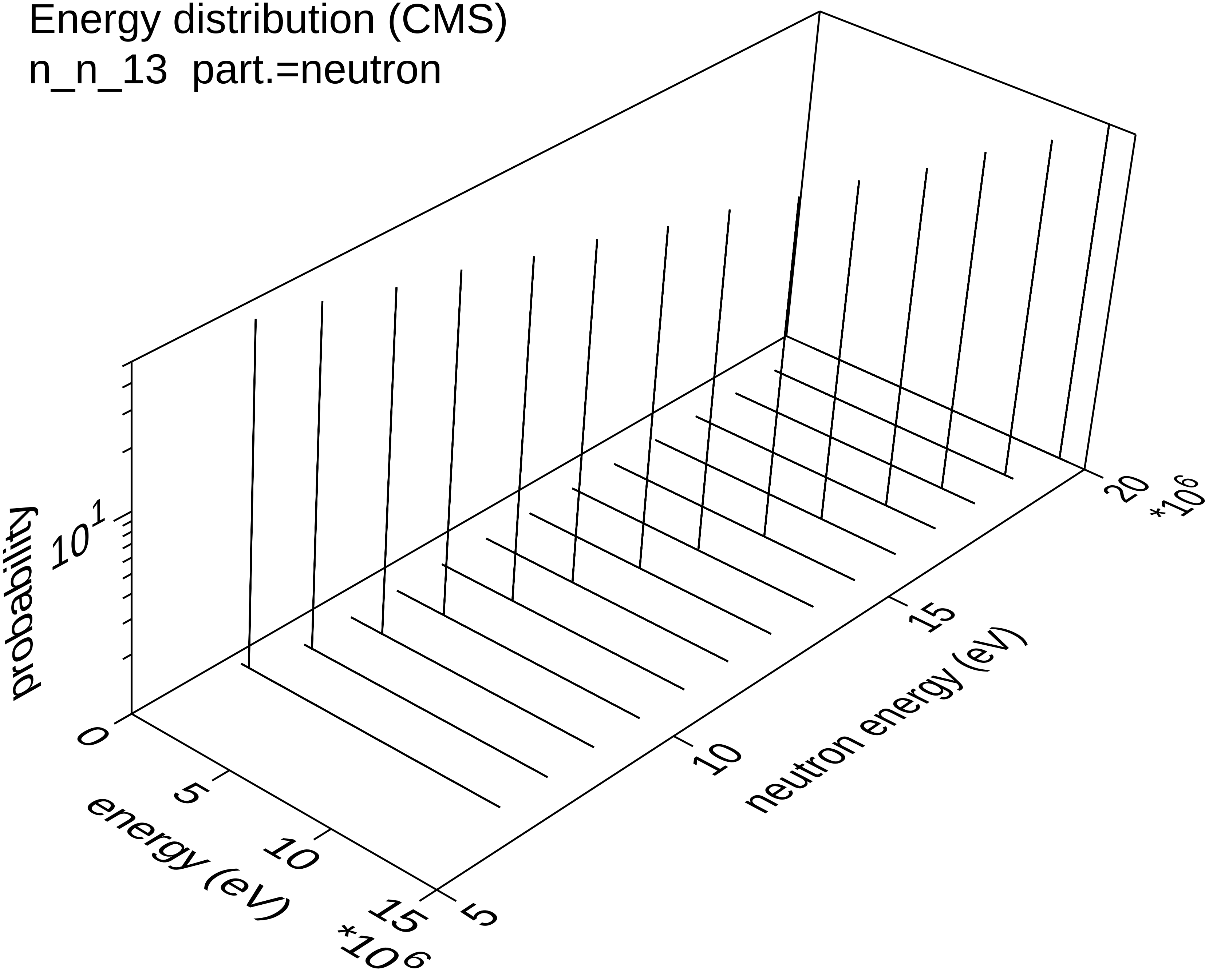
Energy distribution (CMS)
n_n_12 part.=neutron



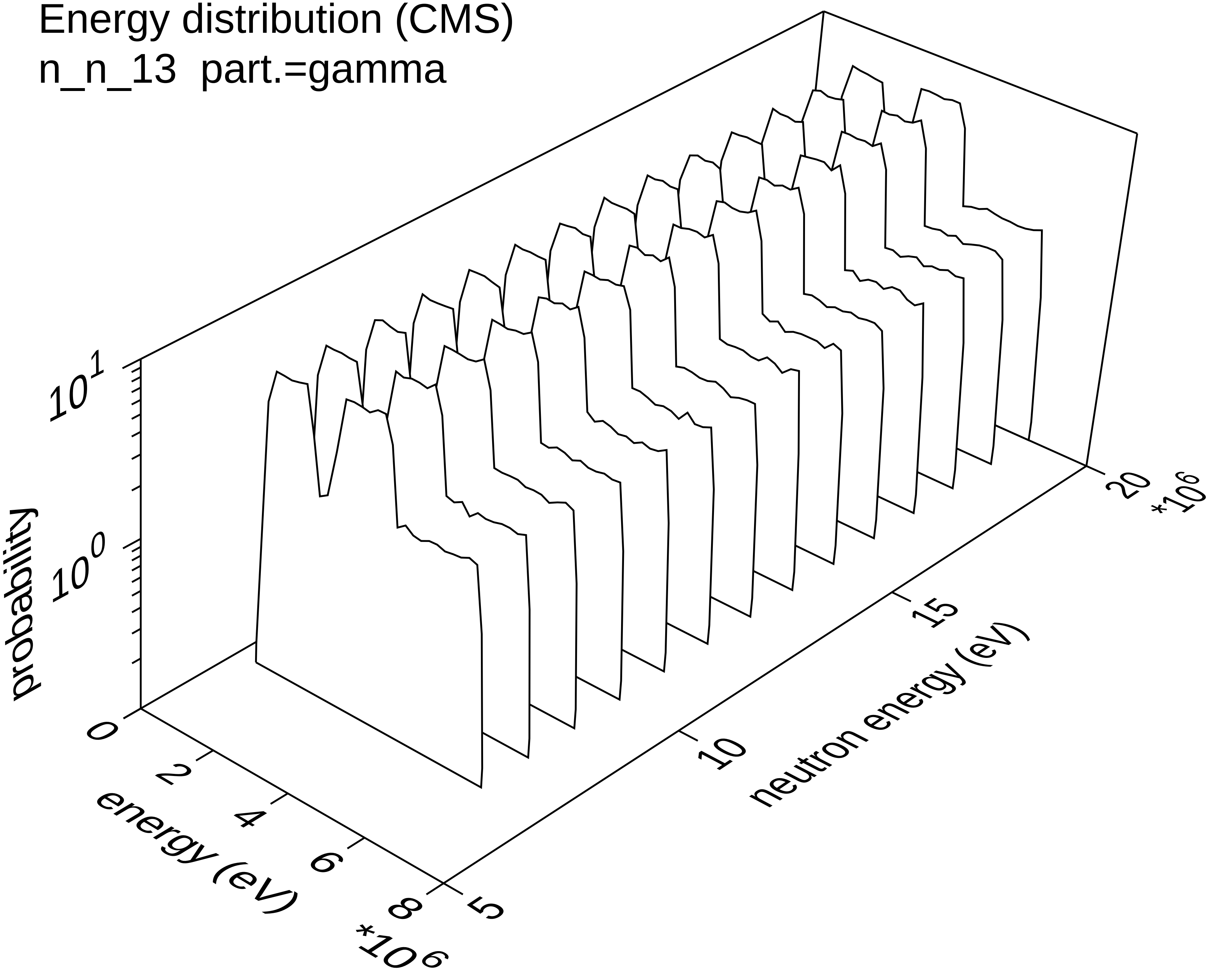
Energy distribution (CMS)
n_n_12 part.=gamma

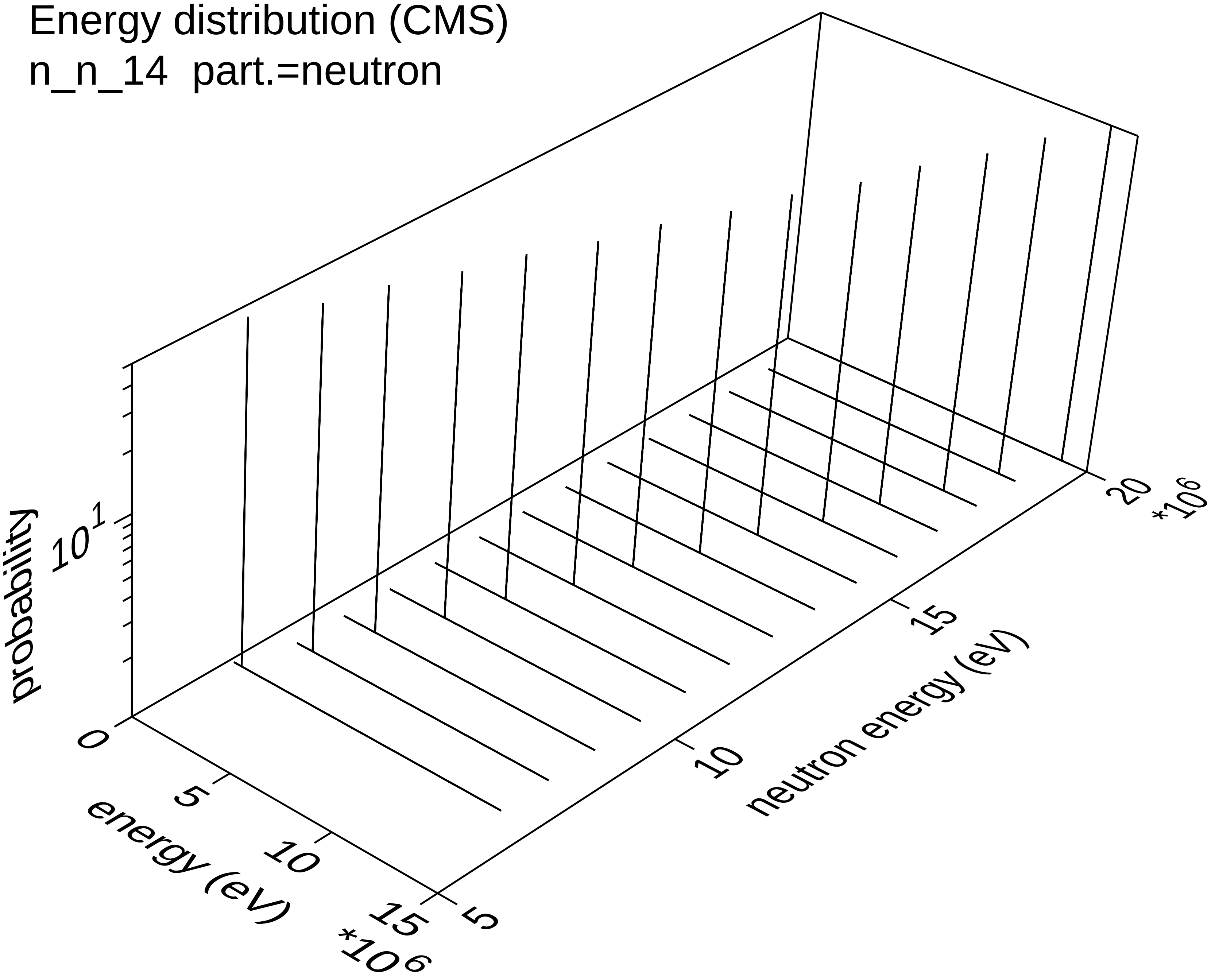


Energy distribution (CMS)
n_n_13 part.=neutron

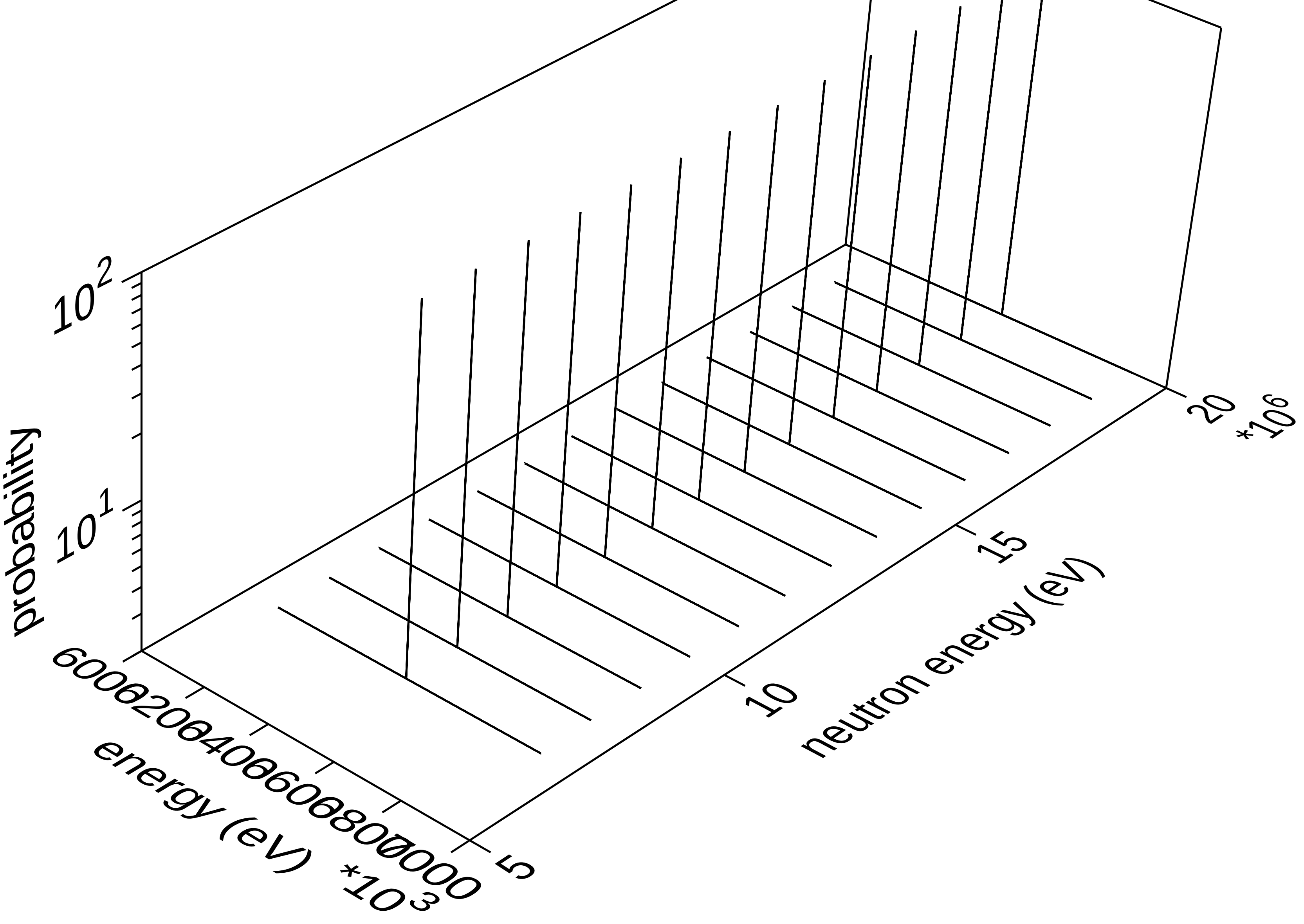


Energy distribution (CMS)
n_n_13 part.=gamma

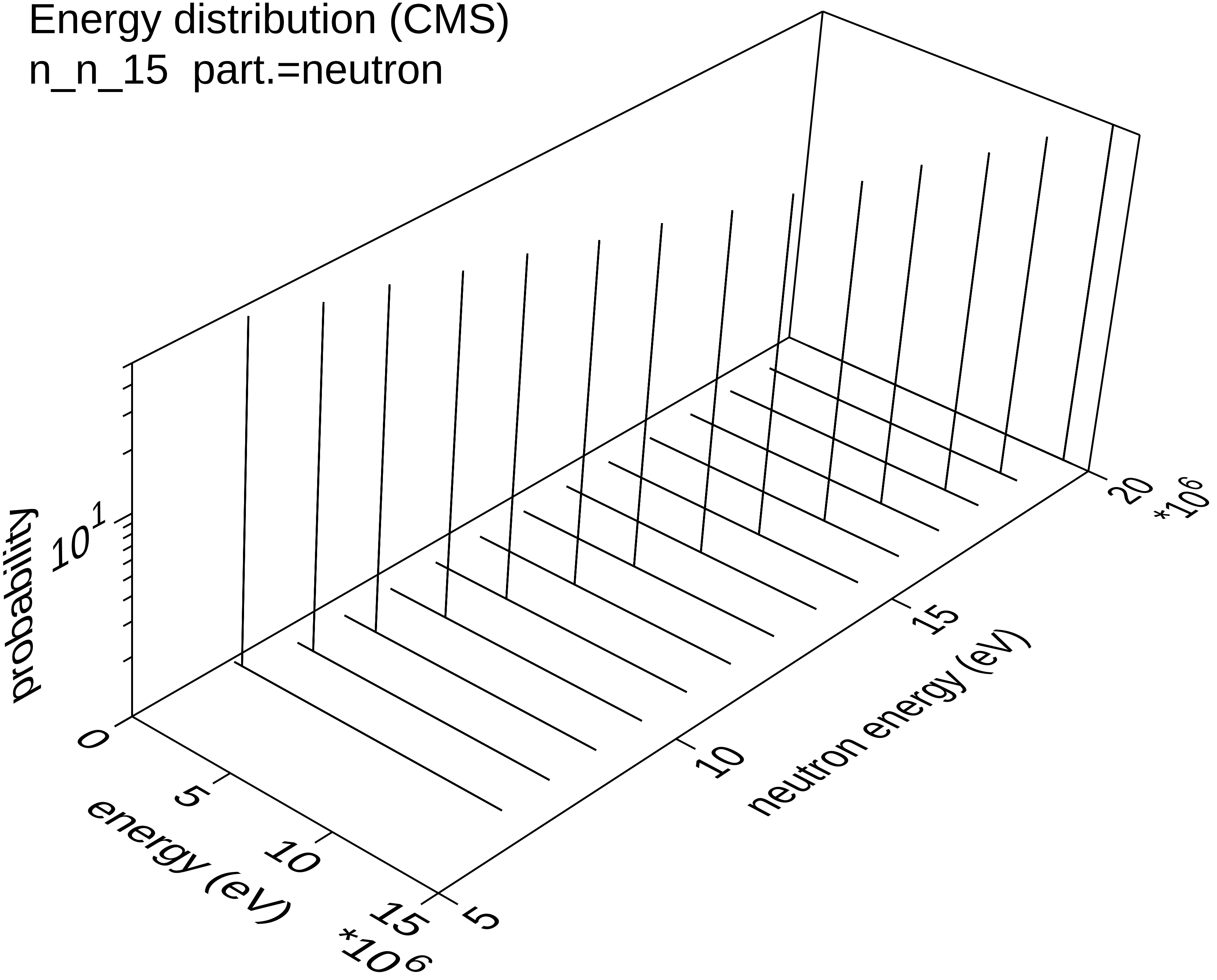



Energy distribution (CMS)
n_n_14 part.=neutron
probability
10^1
0
5
10
15
$*10^6$
energy (eV)
5
10
15
20
$*10^6$
neutron energy (eV)

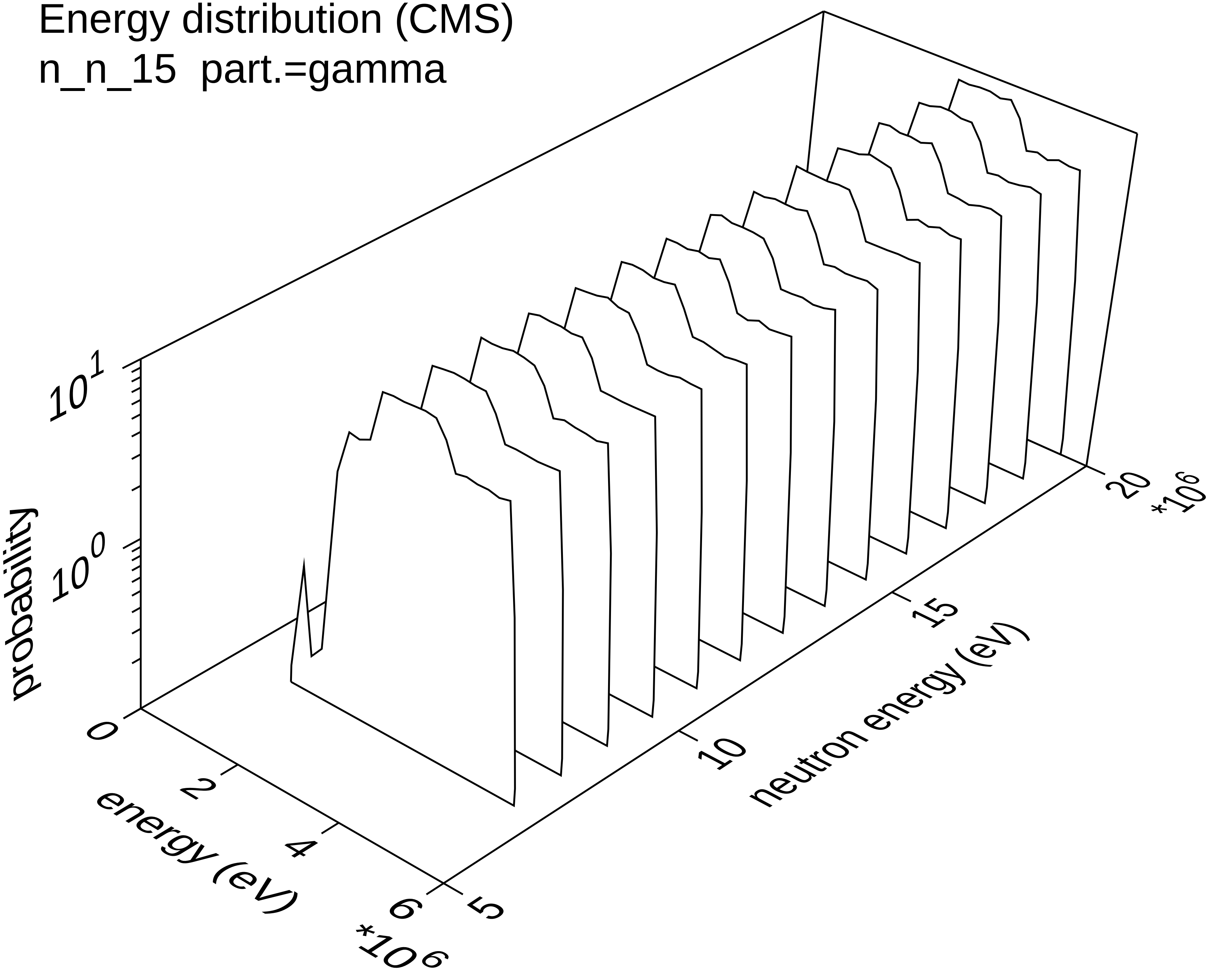
Energy distribution (CMS)
n_n_14 part.=gamma



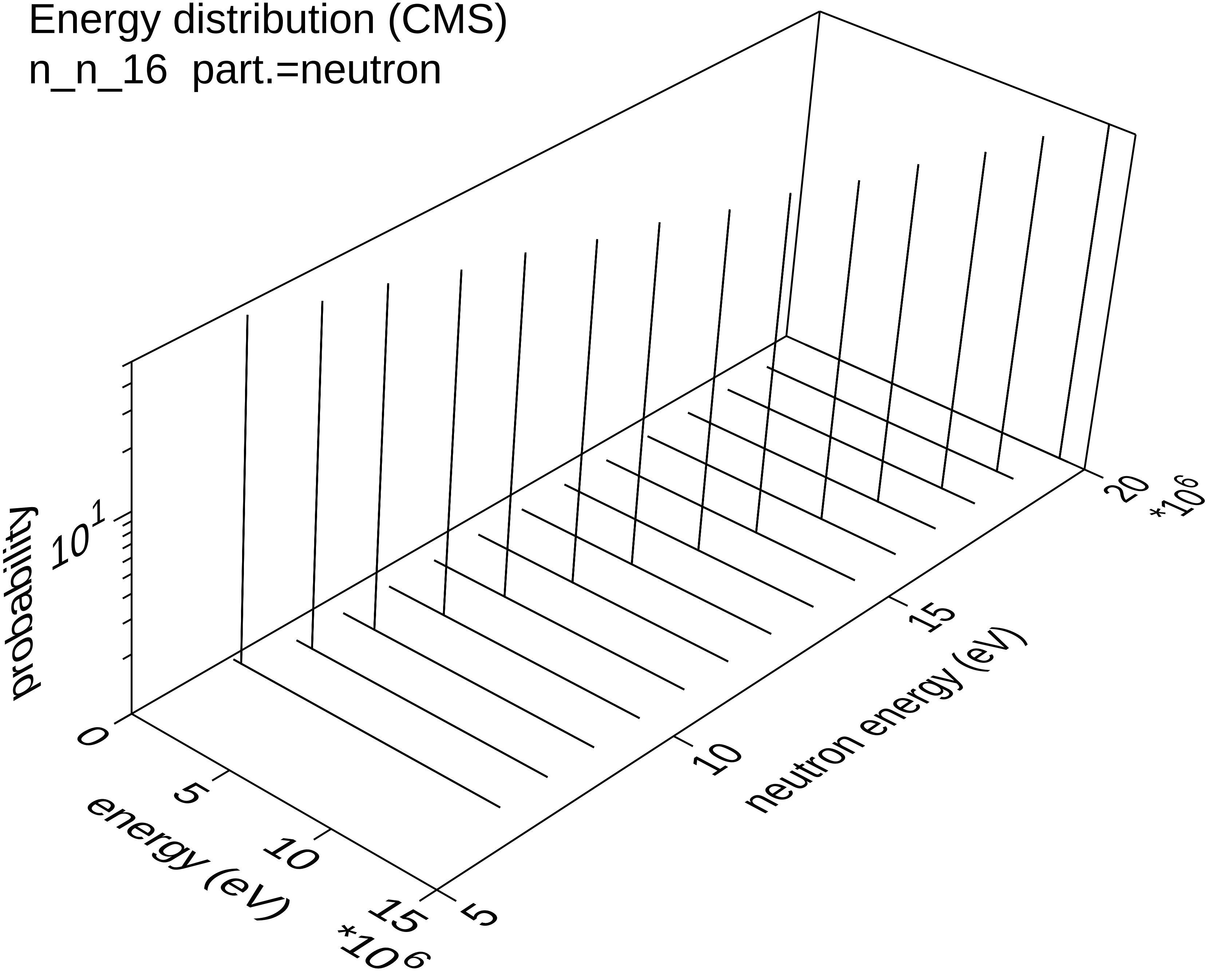
Energy distribution (CMS)
n_n_15 part.=neutron



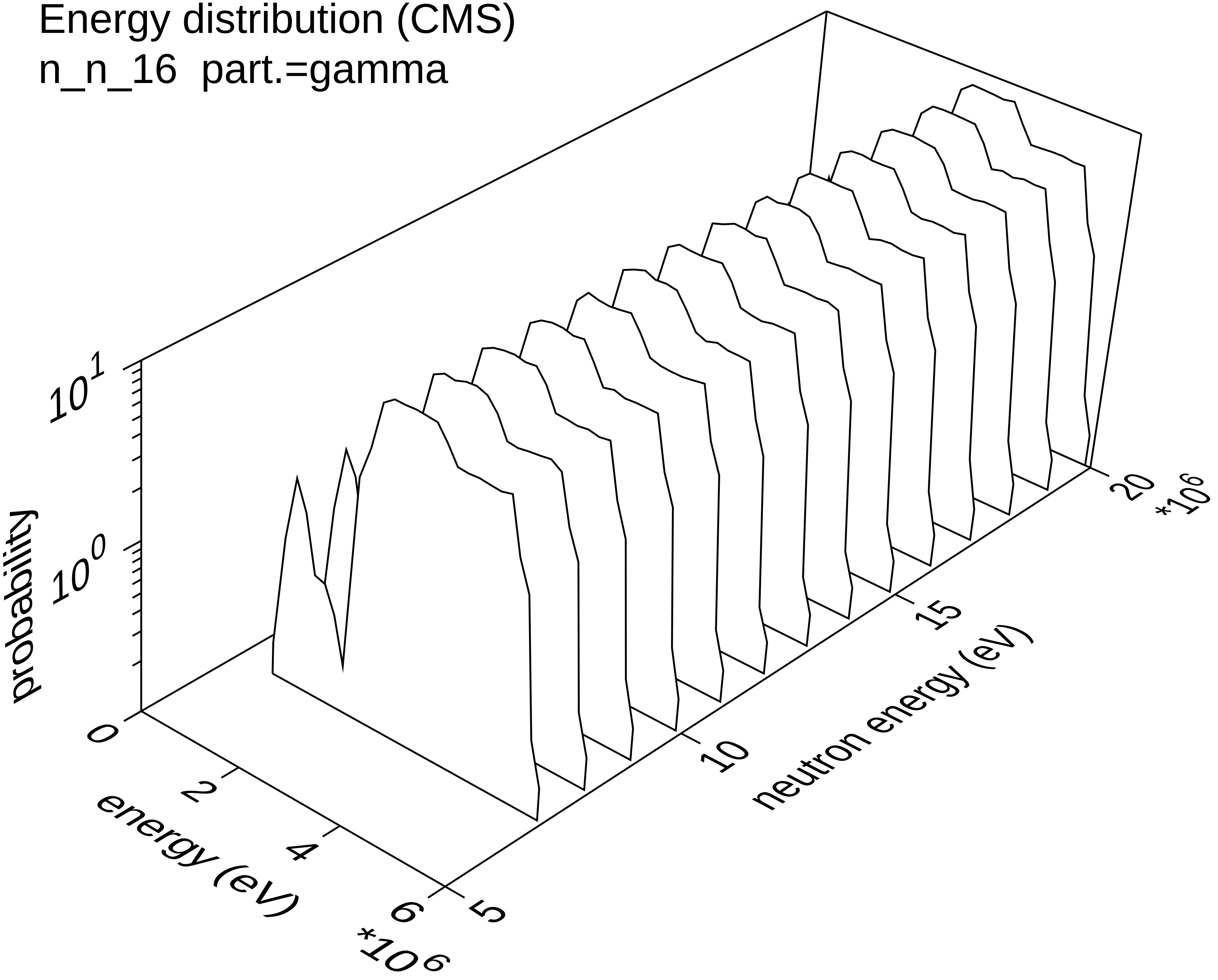
Energy distribution (CMS)
n_n_15 part.=gamma

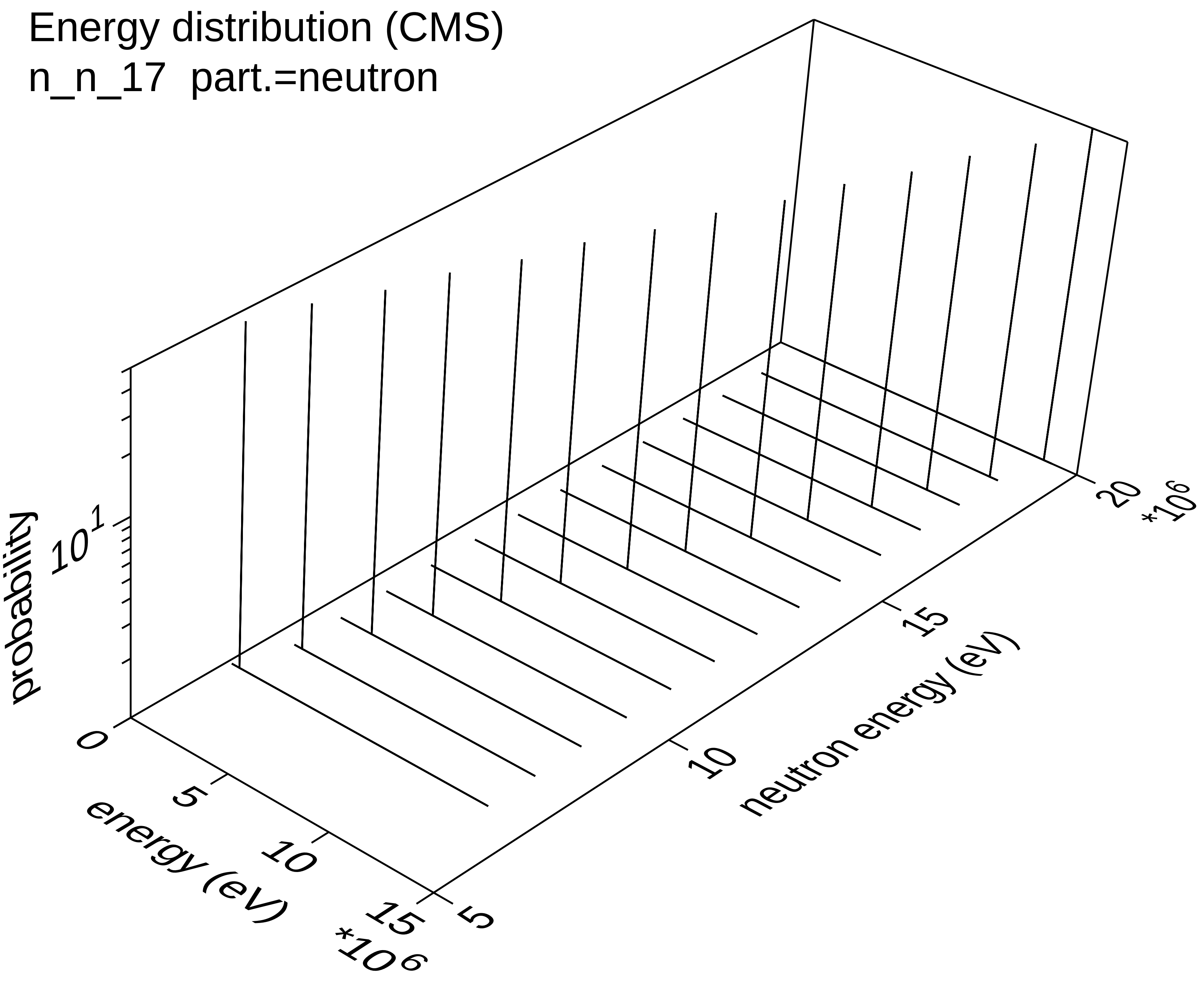


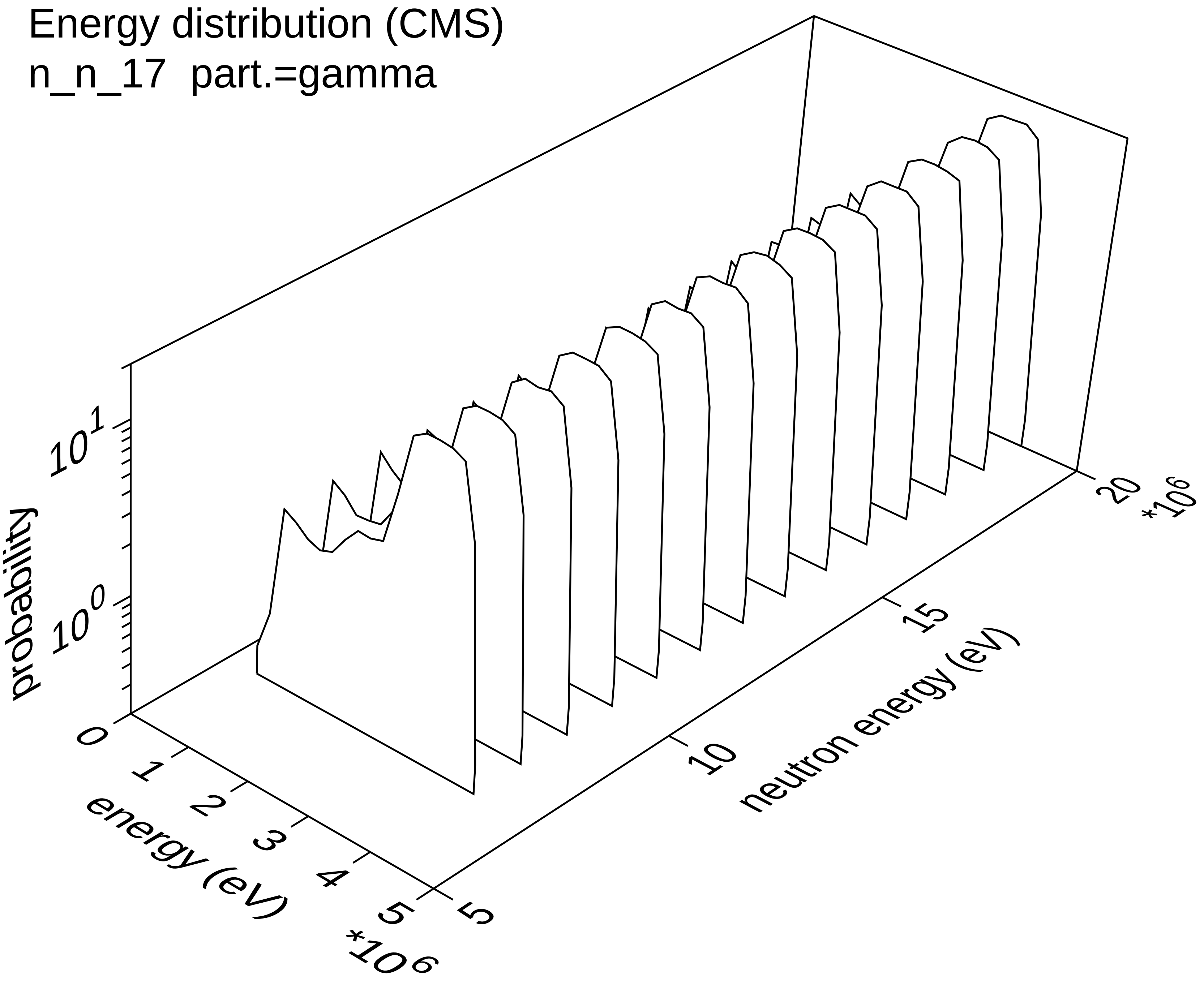
Energy distribution (CMS)
n_n_16 part.=neutron



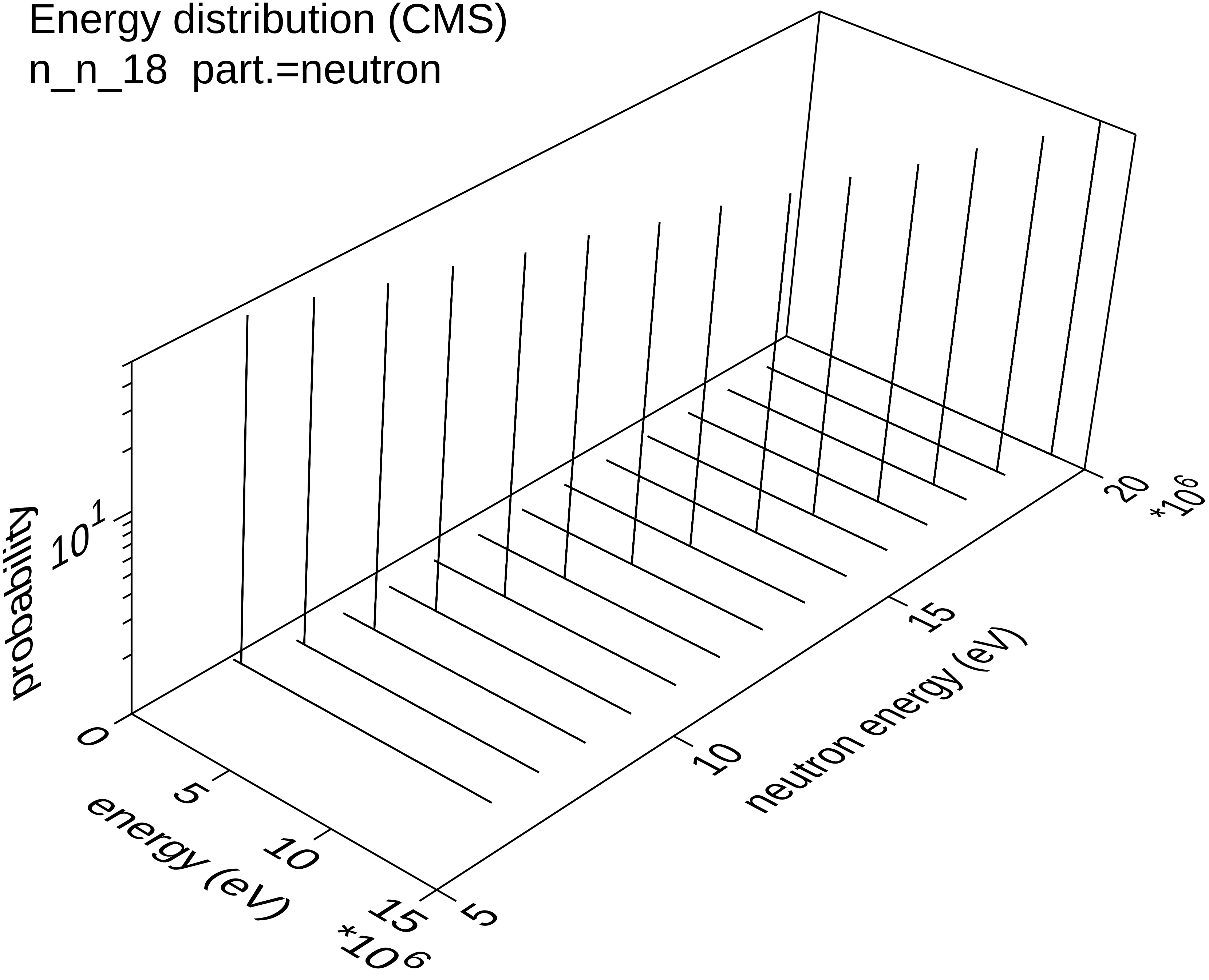
Energy distribution (CMS)
n_n_16 part.=gamma



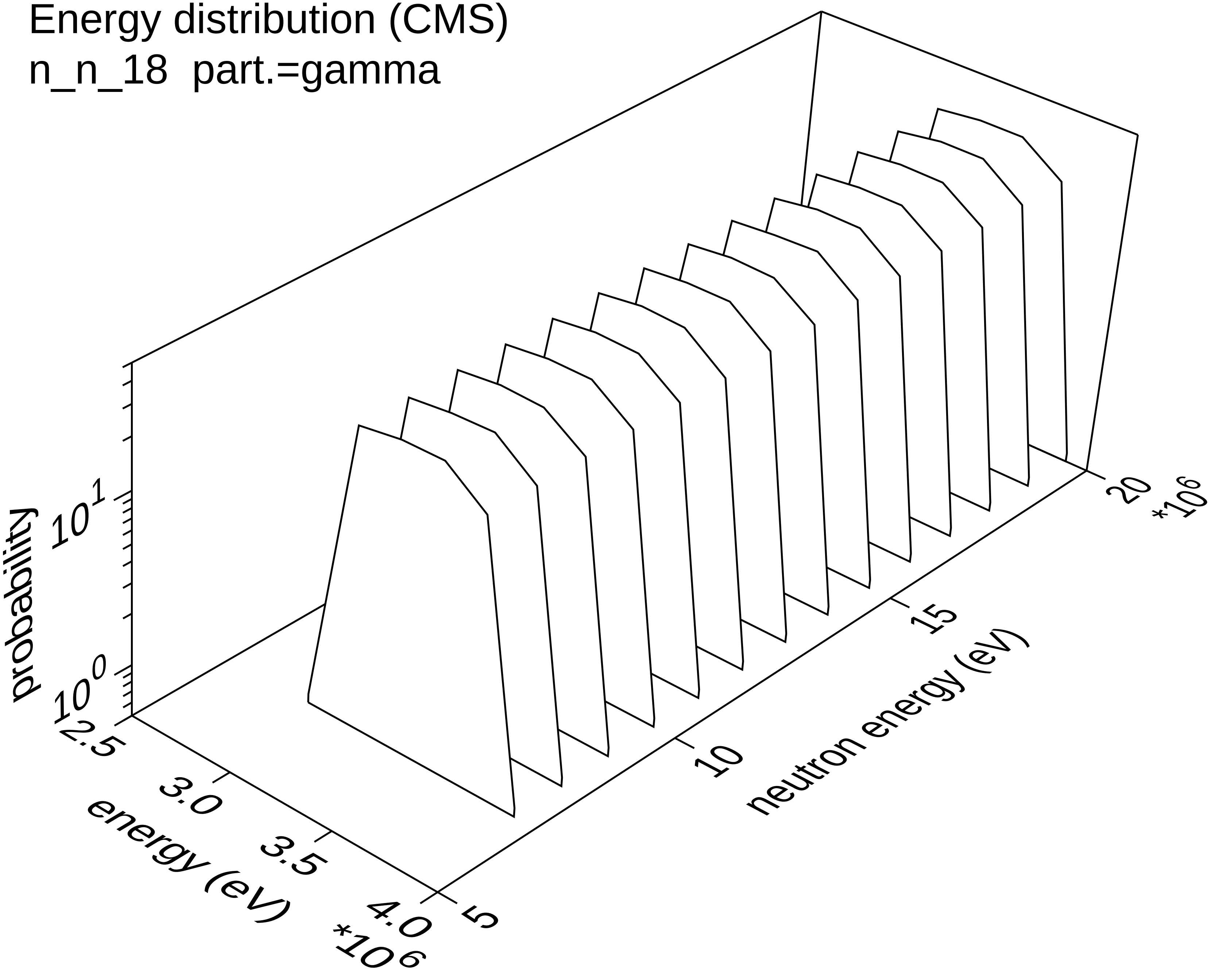

Energy distribution (CMS)
n_n_17 part.=neutron
probability
10^1
0
5
10
15
$*10^6$
energy (eV)
5
10
15
20
$*10^6$
neutron energy (eV)


Energy distribution (CMS)
n_n_17 part.=gamma
probability
10^1
10^0
0
1
2
3
4
5
energy (eV)
*10^6
5
10
15
20
neutron energy (eV)
*10^6

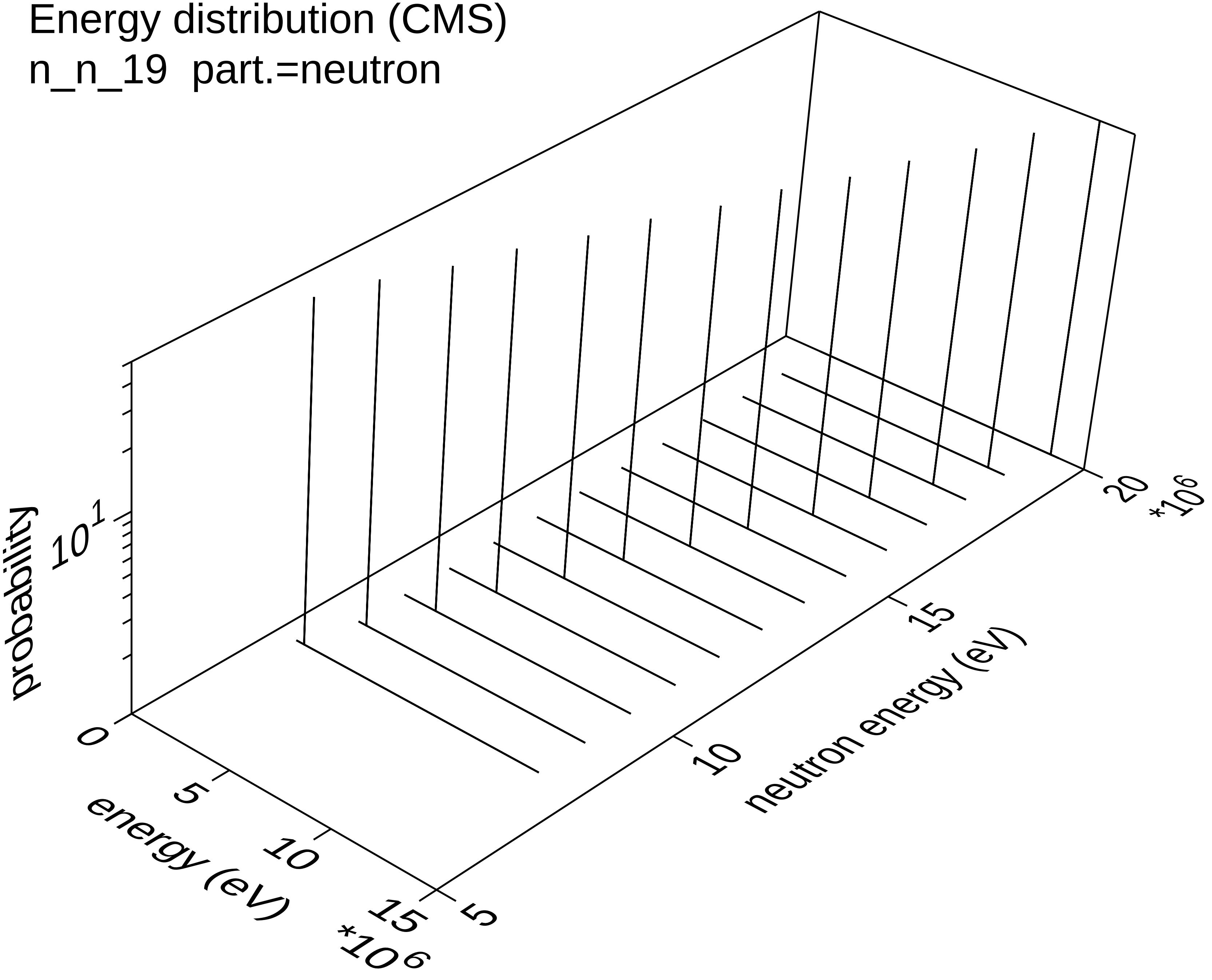
Energy distribution (CMS)
n_n_18 part.=neutron



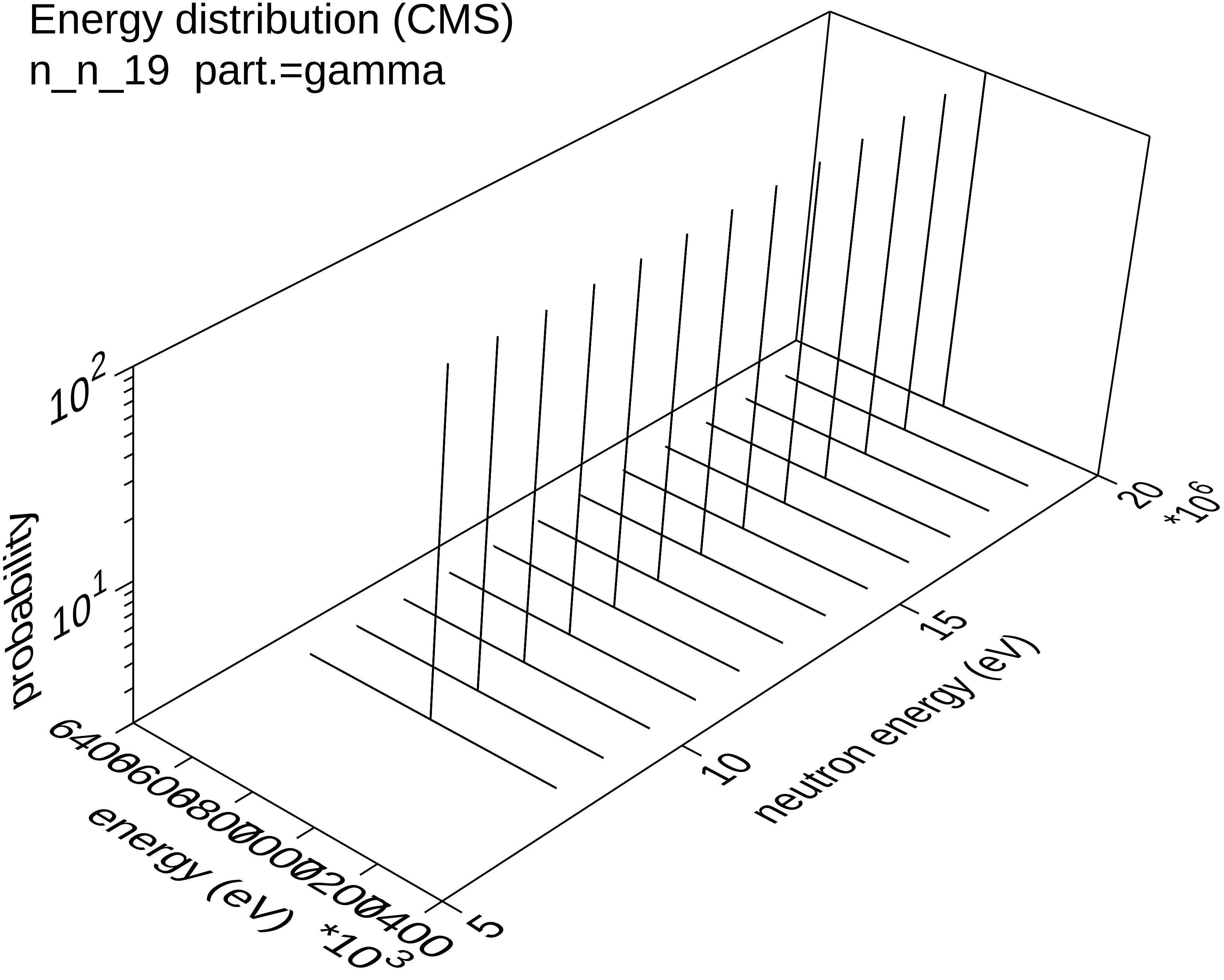
Energy distribution (CMS)
n_n_18 part.=gamma



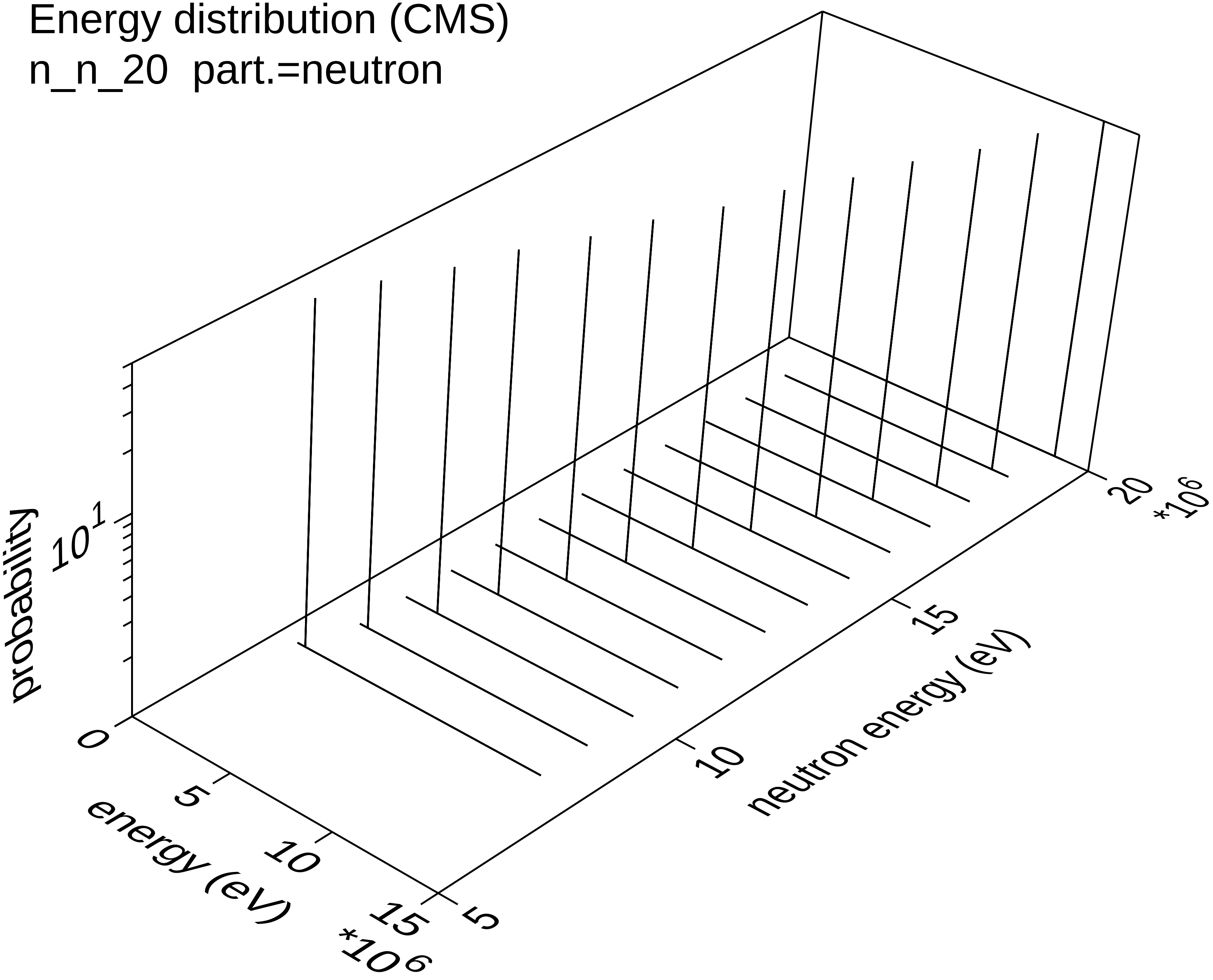
Energy distribution (CMS)
n_n_19 part.=neutron



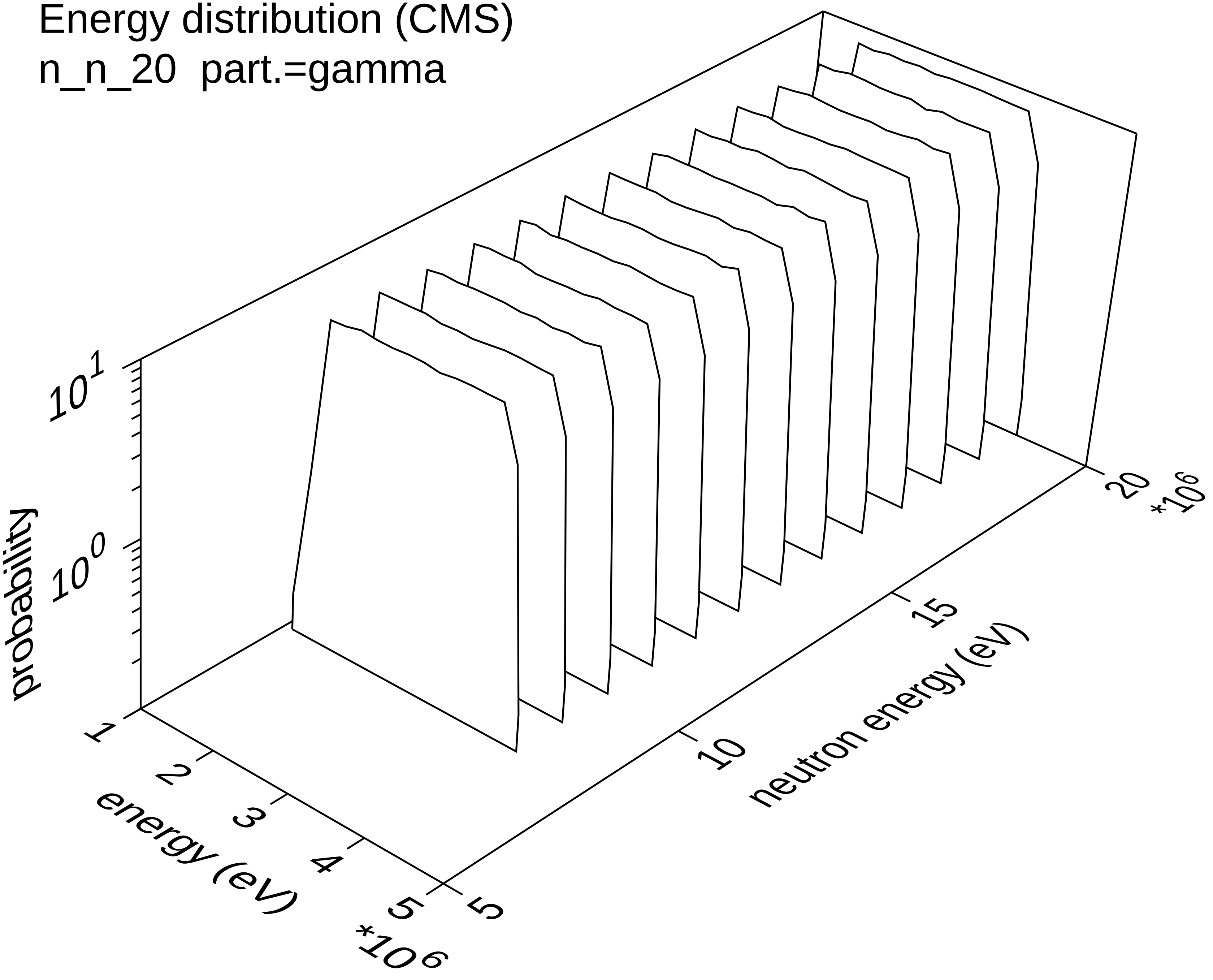
Energy distribution (CMS)
n_n_19 part.=gamma



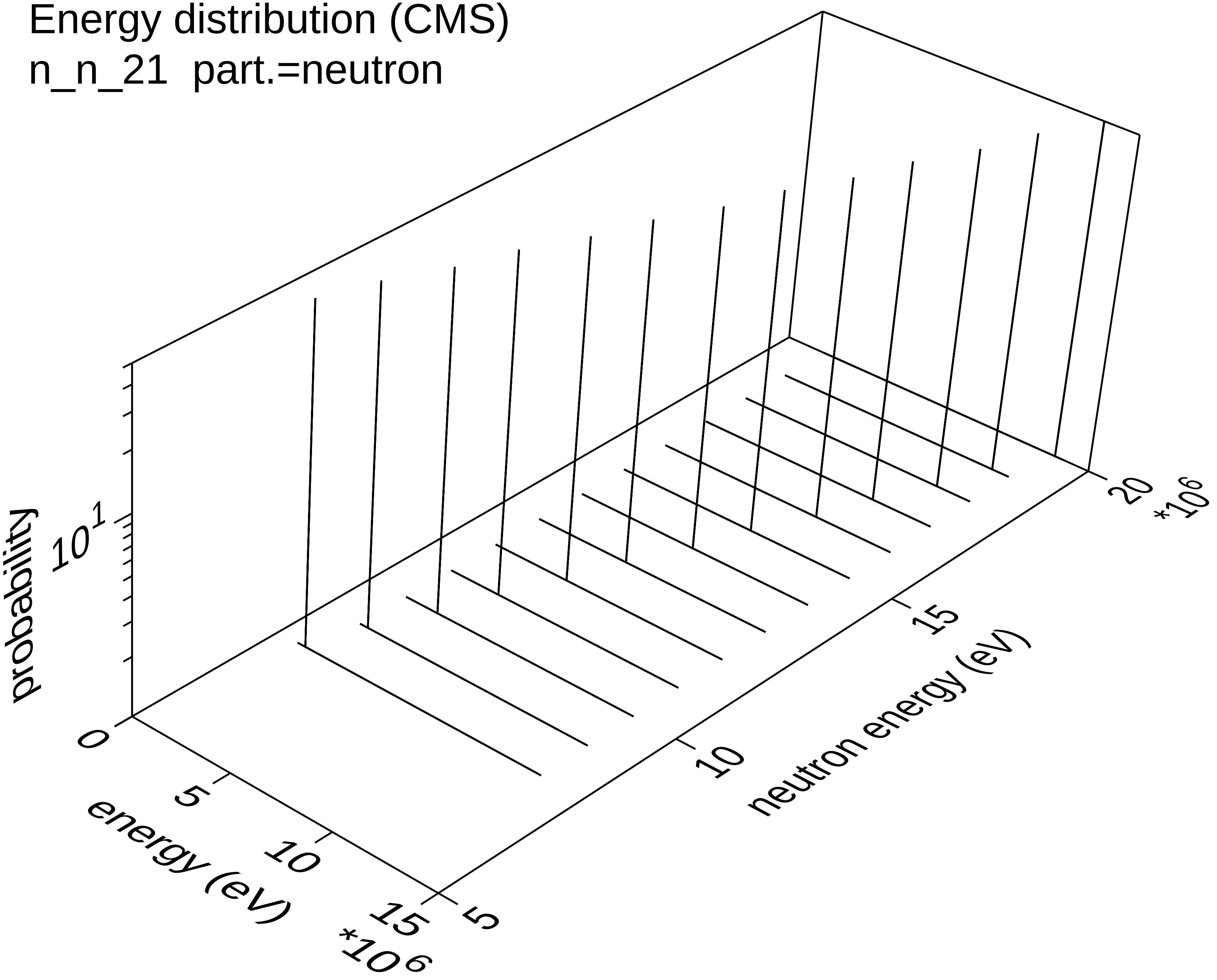
Energy distribution (CMS)
n_n_20 part.=neutron



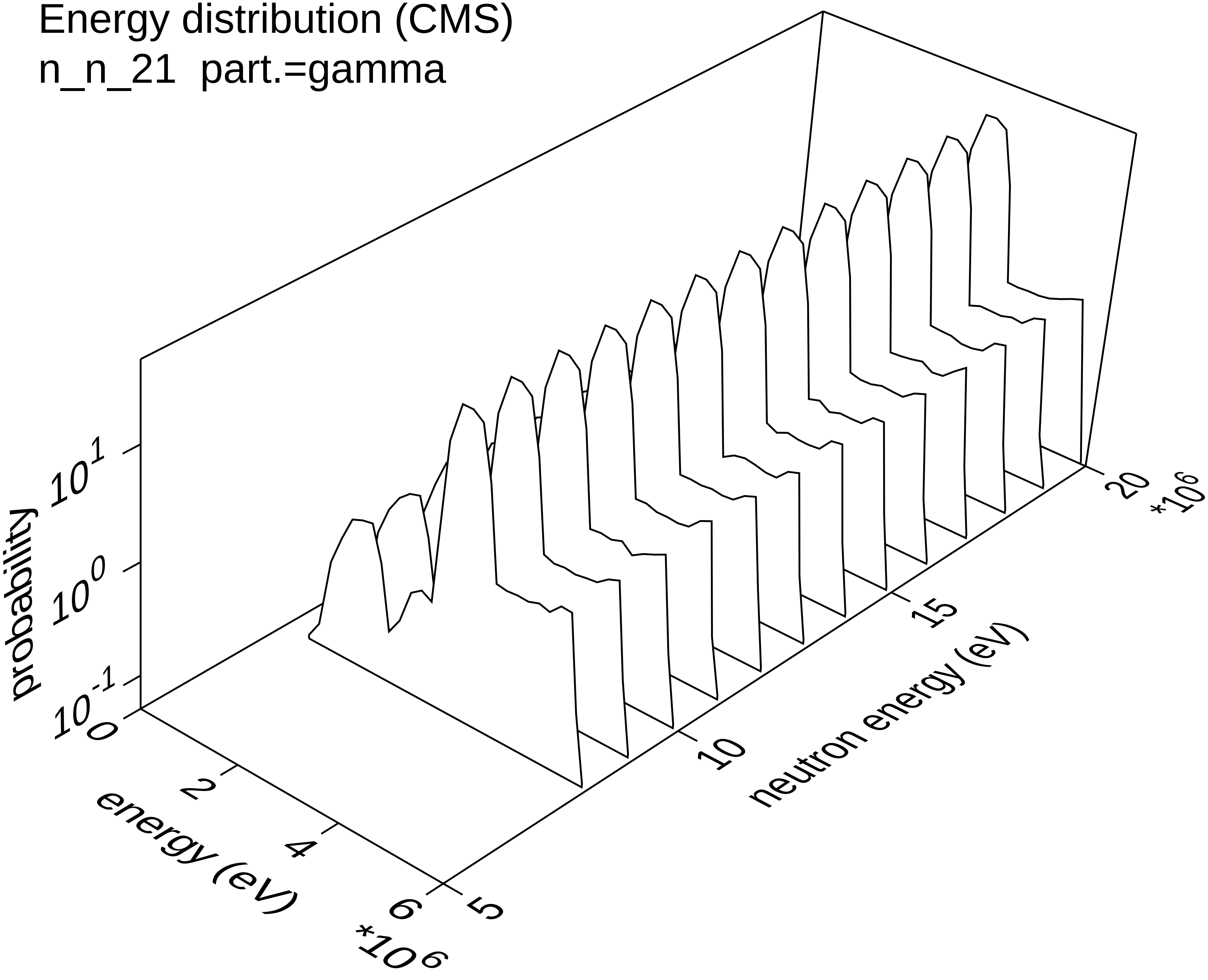
Energy distribution (CMS)
n_n_20 part.=gamma



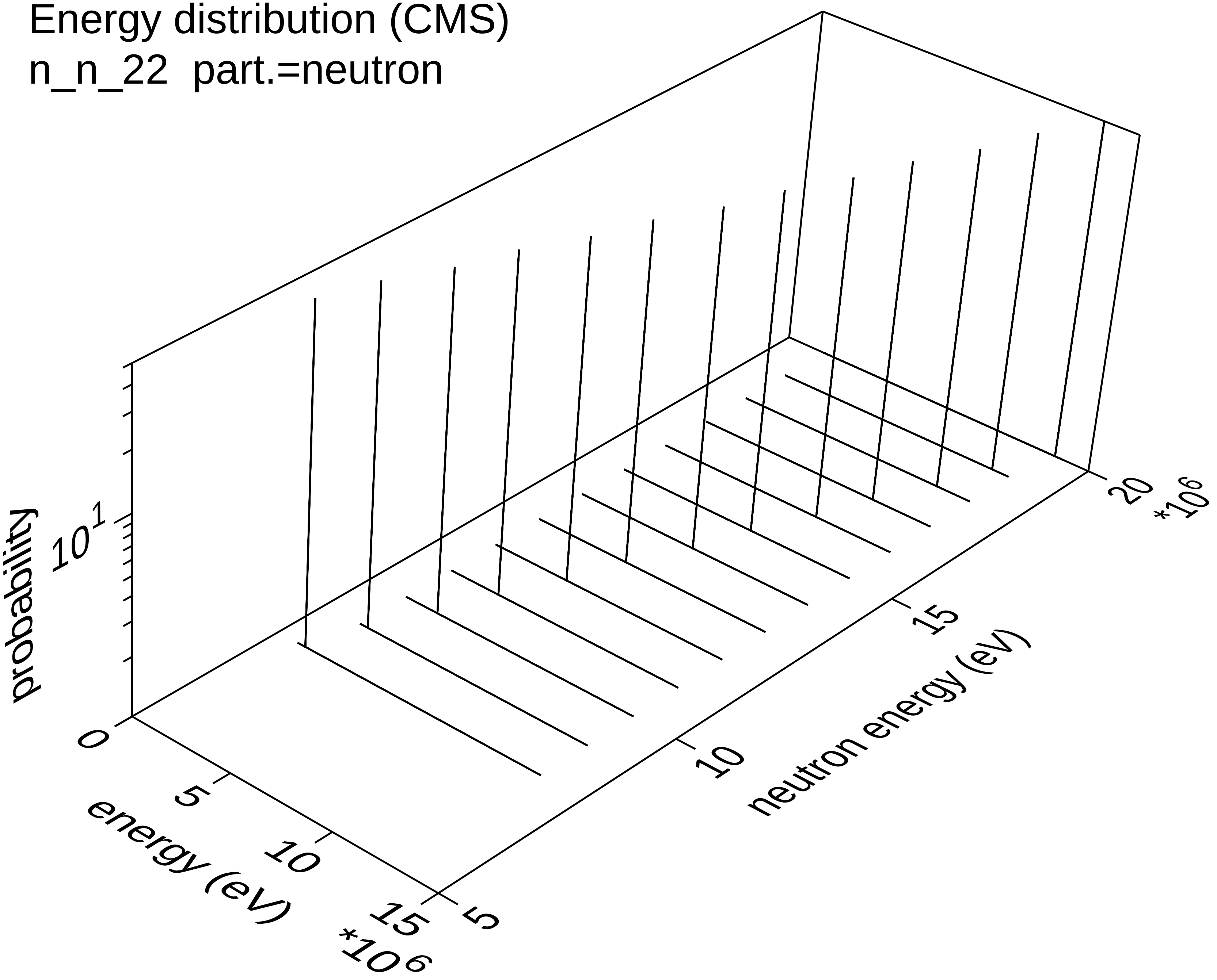
Energy distribution (CMS)
n_n_21 part.=neutron



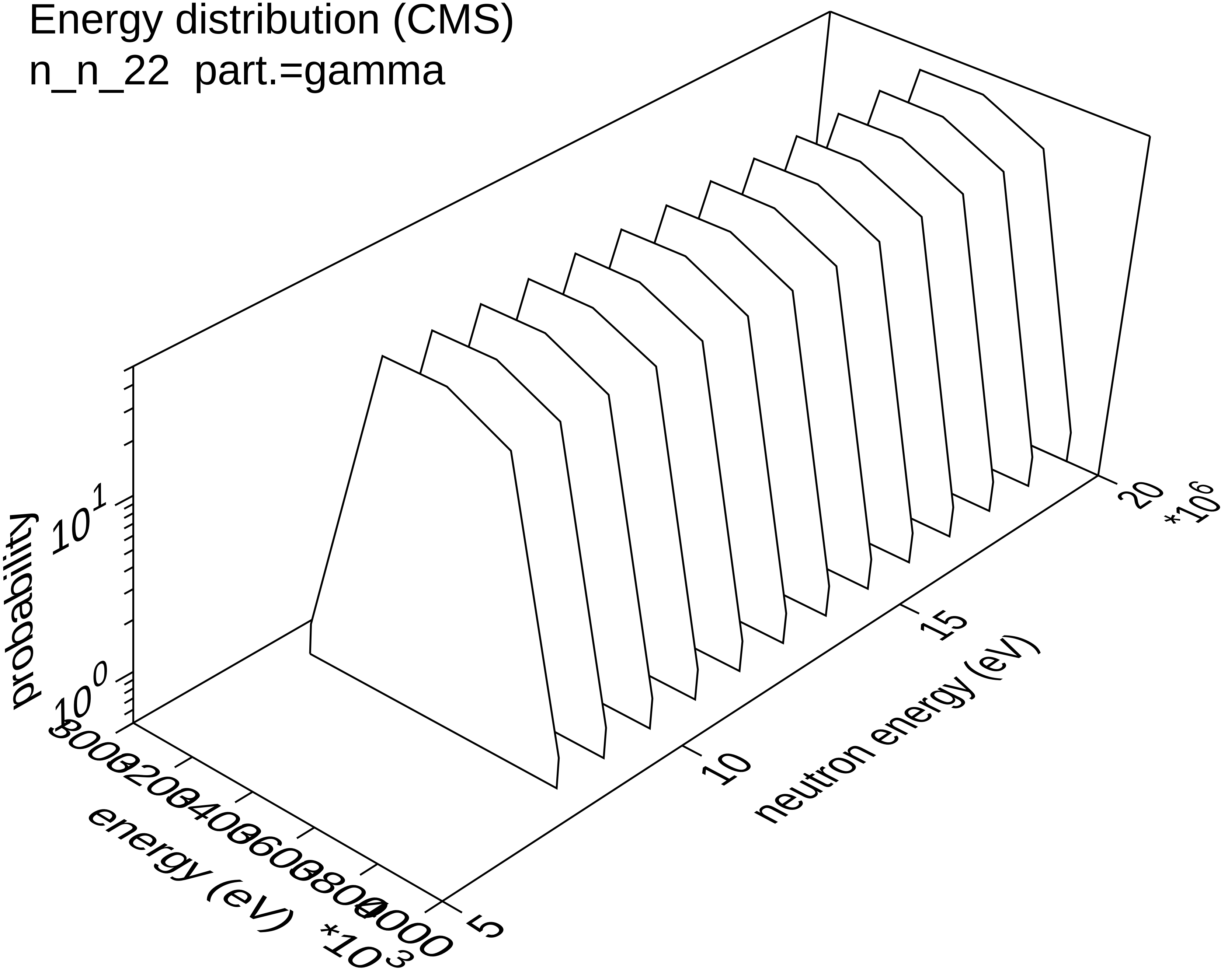
Energy distribution (CMS)
n_n_21 part.=gamma

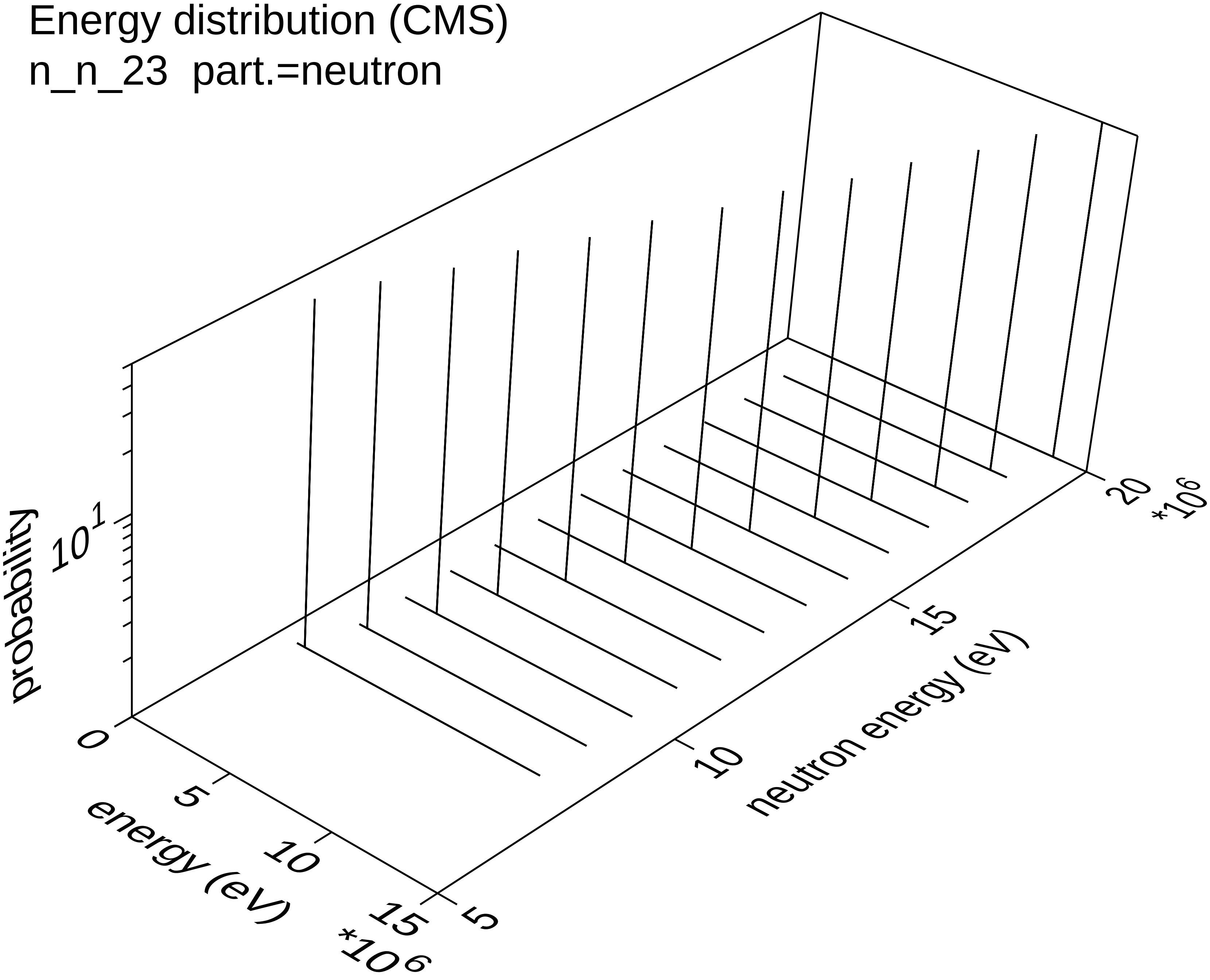


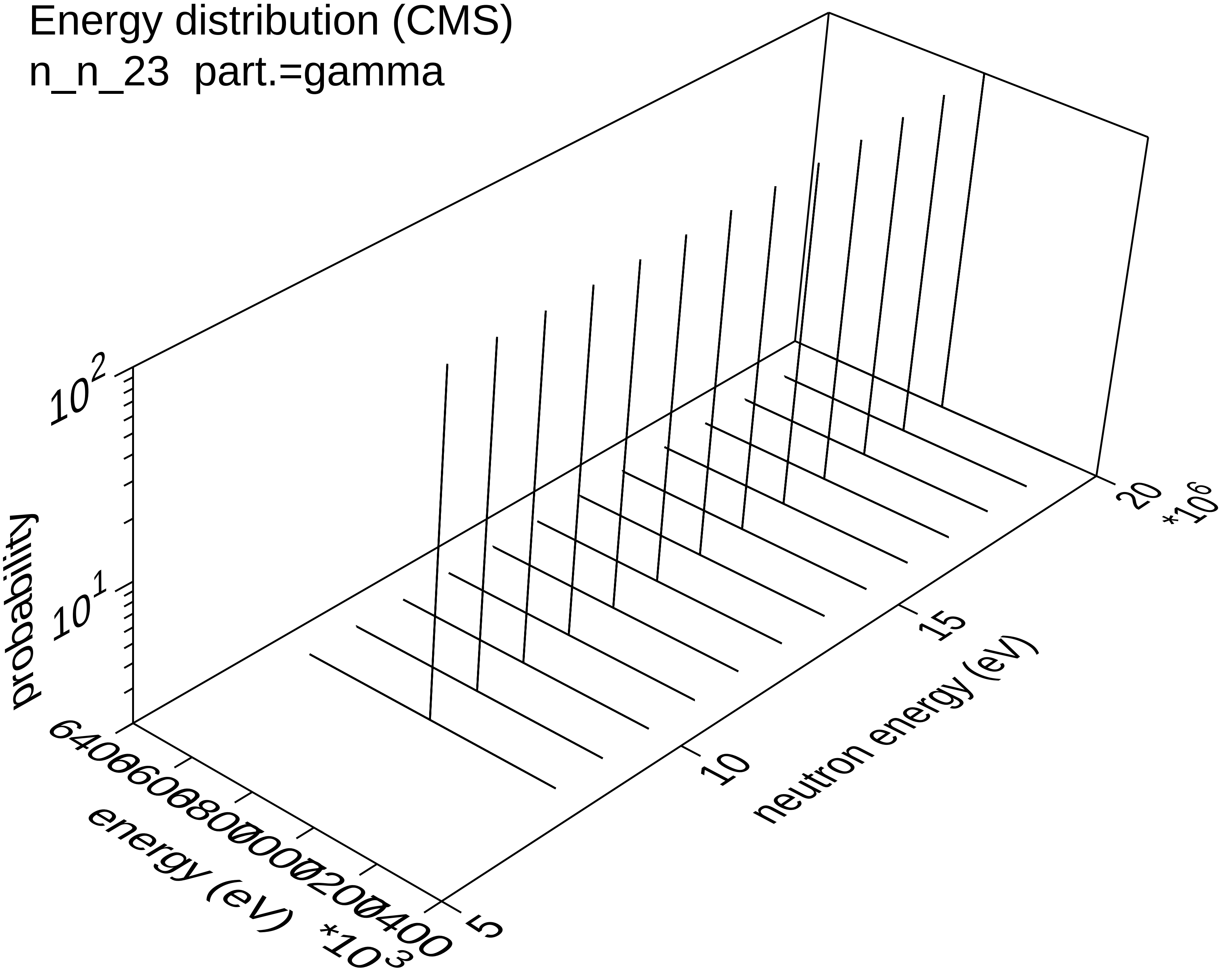
Energy distribution (CMS)
n_n_22 part.=neutron

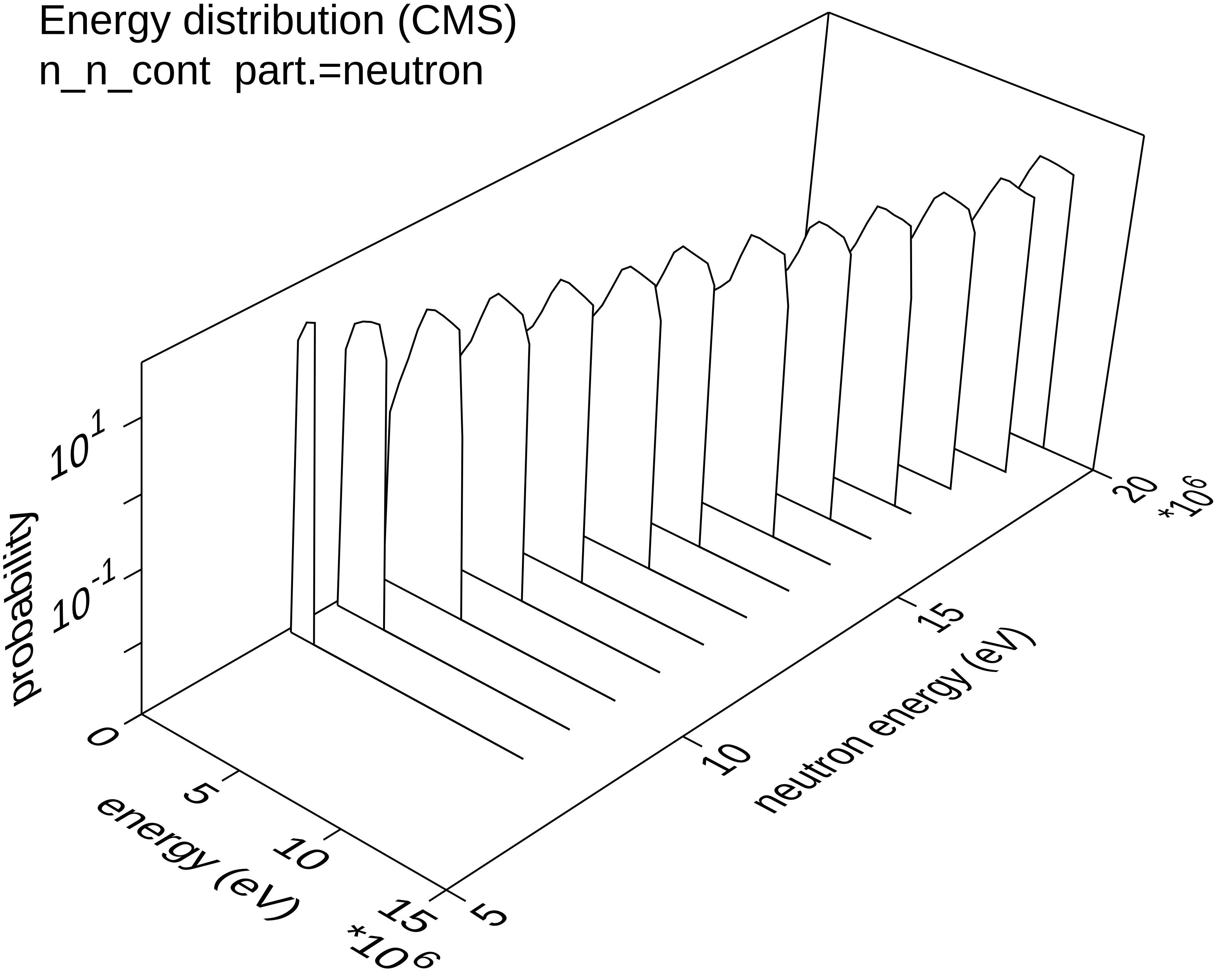


Energy distribution (CMS)
n_n_22 part.=gamma

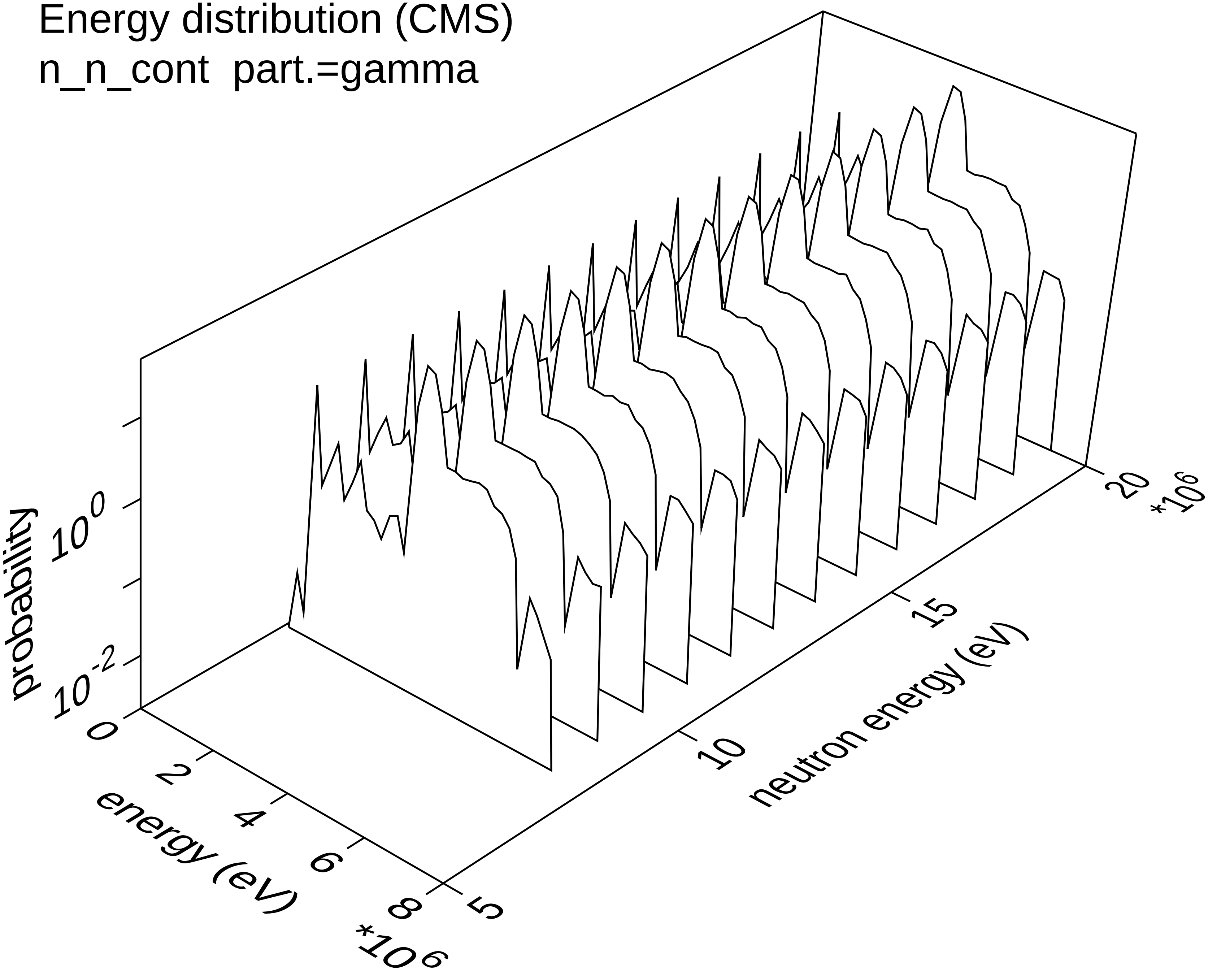



Energy distribution (CMS)
n_n_23 part.=neutron
probability
10^1
0
5
10
15
energy (eV)
$*10^6$
5
10
15
20
neutron energy (eV)
$*10^6$

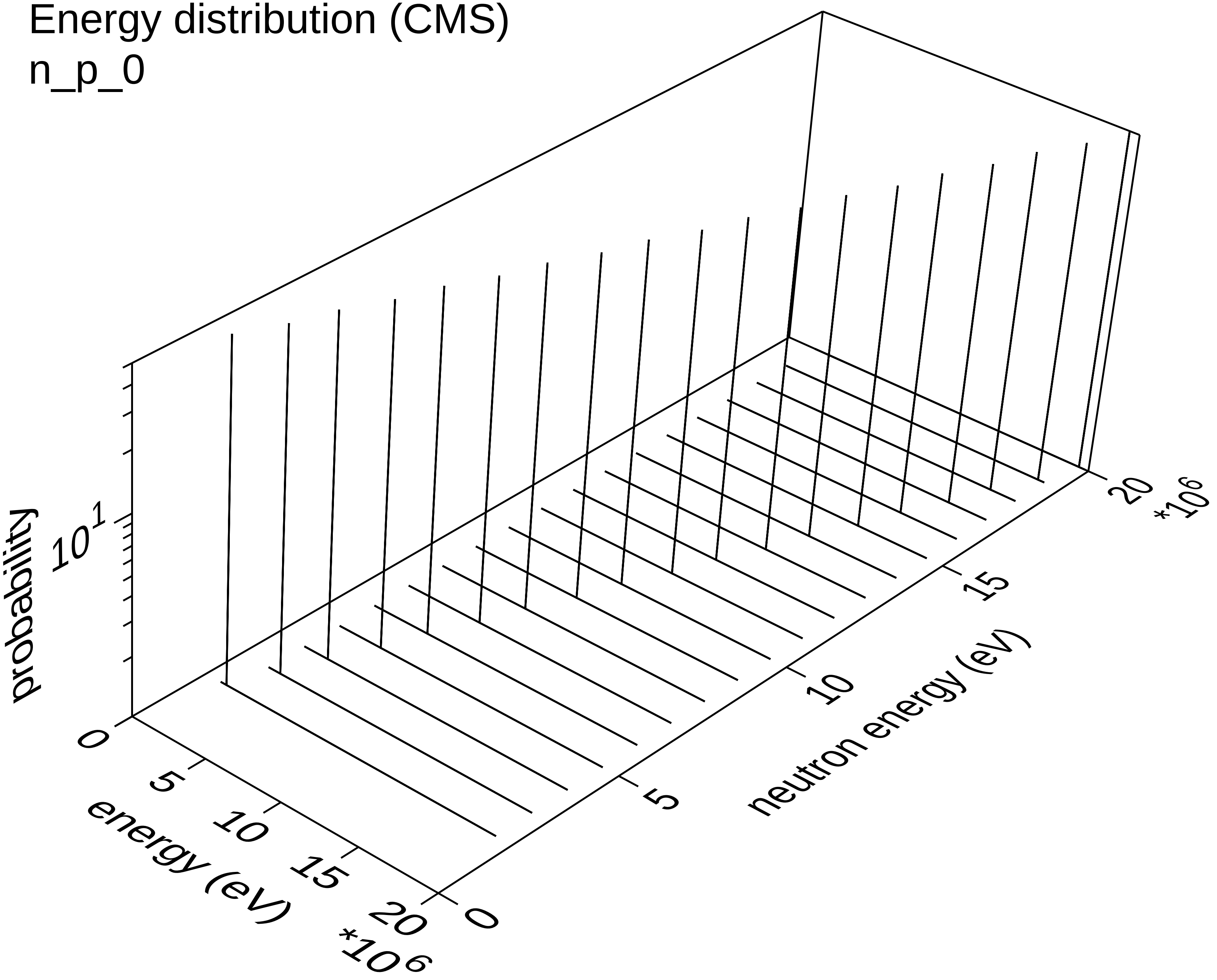

Energy distribution (CMS)
n_n_23 part.=gamma

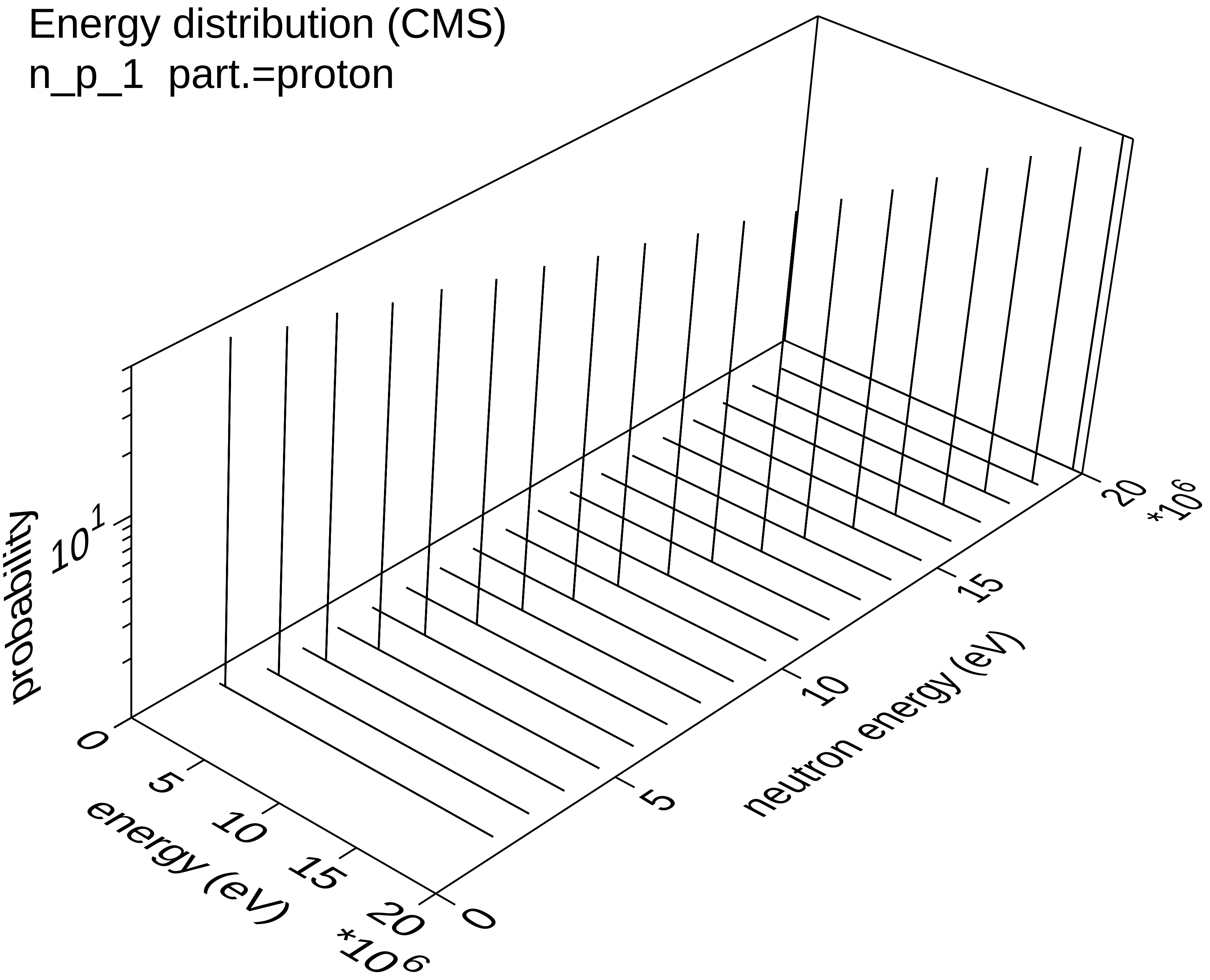

Energy distribution (CMS)
n_n_cont part.=neutron
probability
10^{1}
10^{-1}
0
5
10
15
$*10^{6}$
energy (eV)
5
10
15
20
$*10^{6}$
neutron energy (eV)

Energy distribution (CMS)
n_n_cont part.=gamma



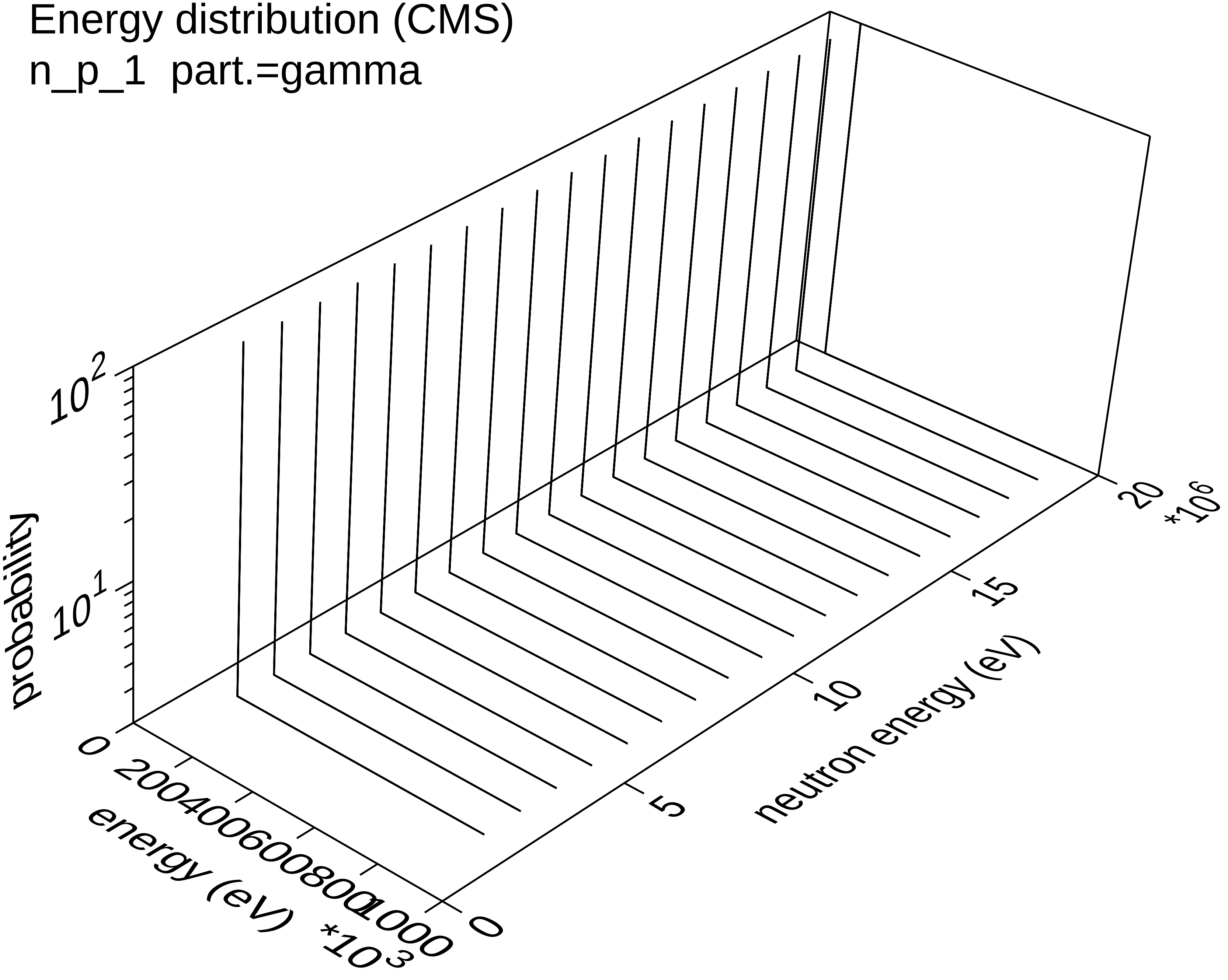
Energy distribution (CMS)
n_p_0

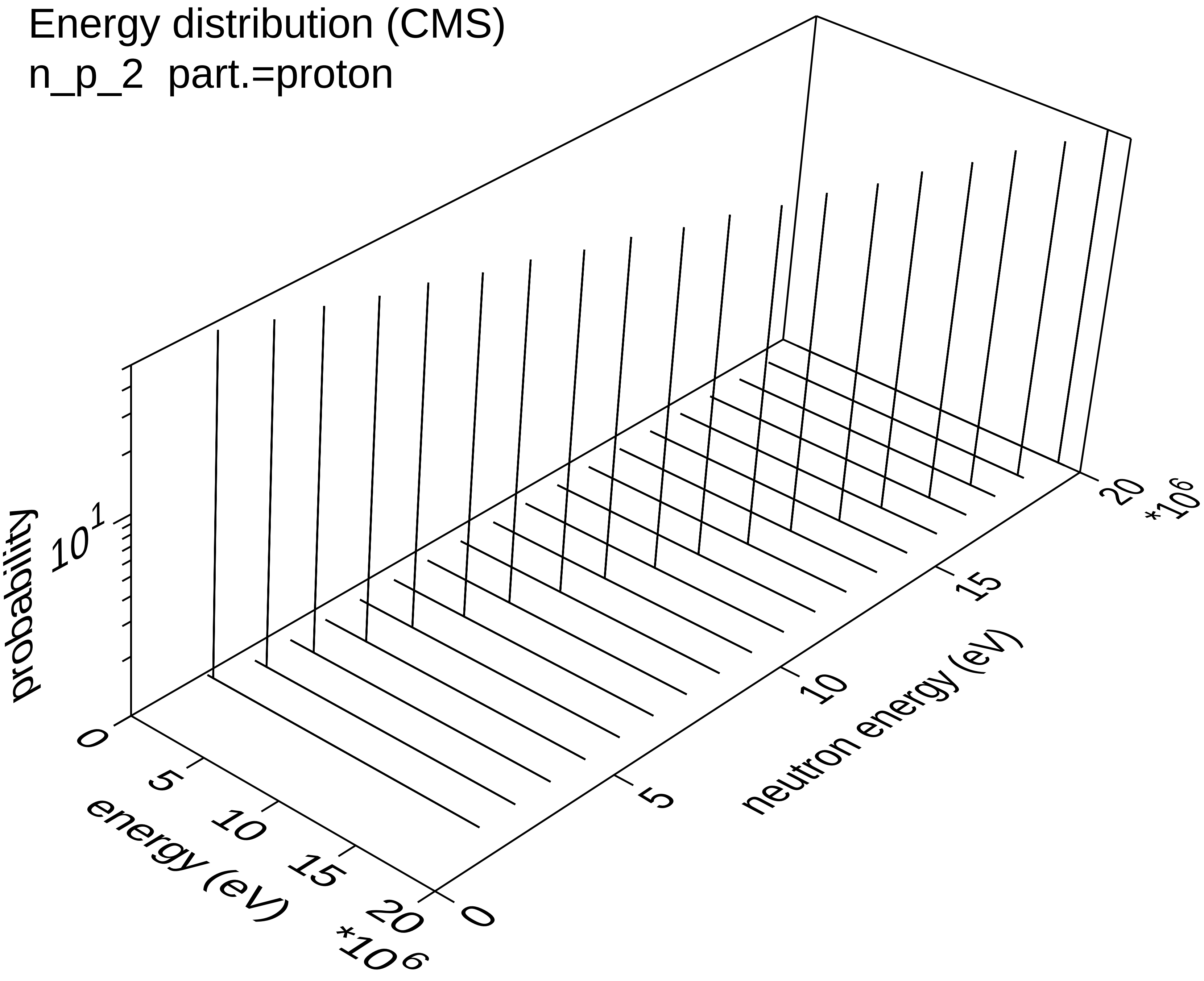


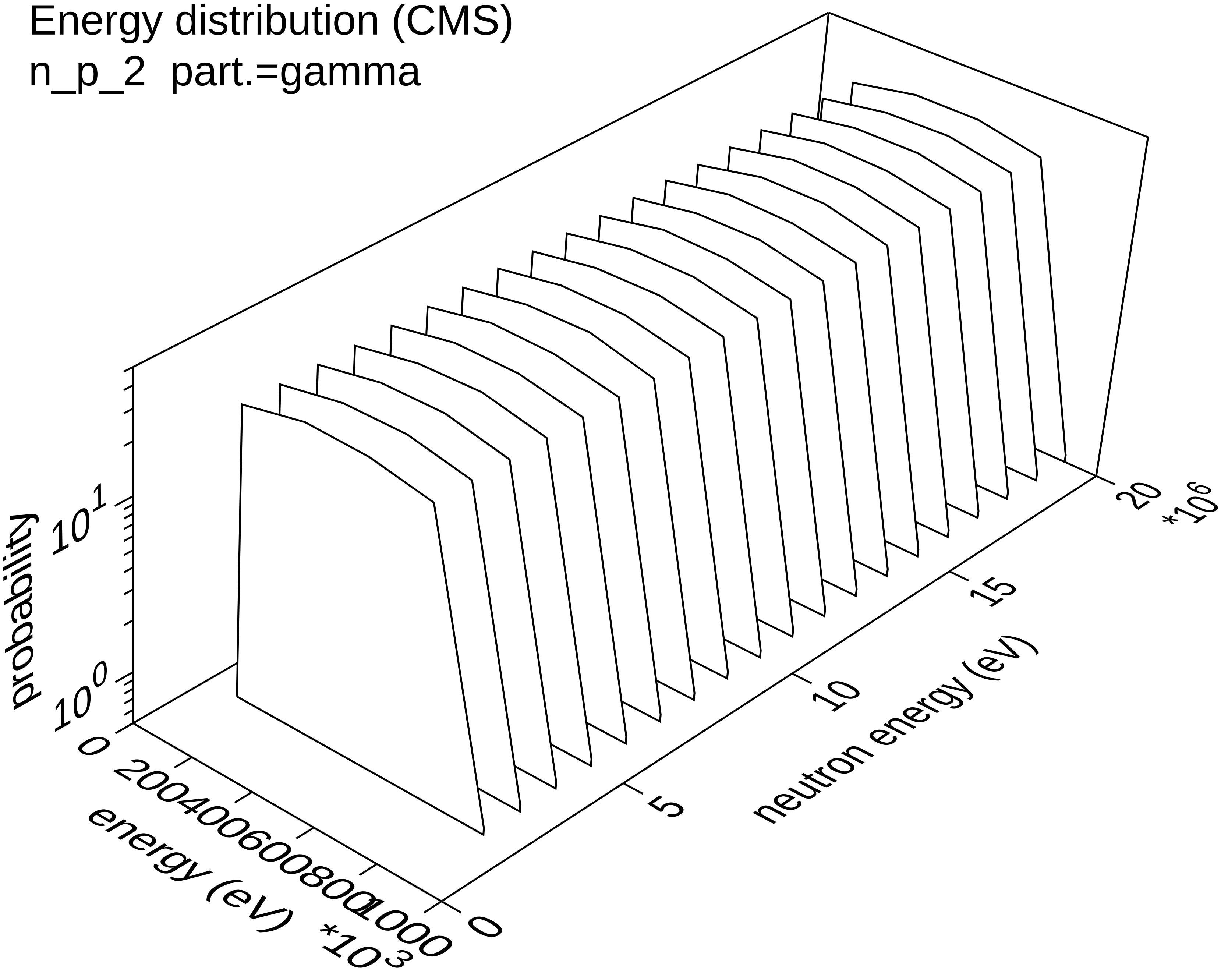


Energy distribution (CMS)
n_p_1 part.=proton

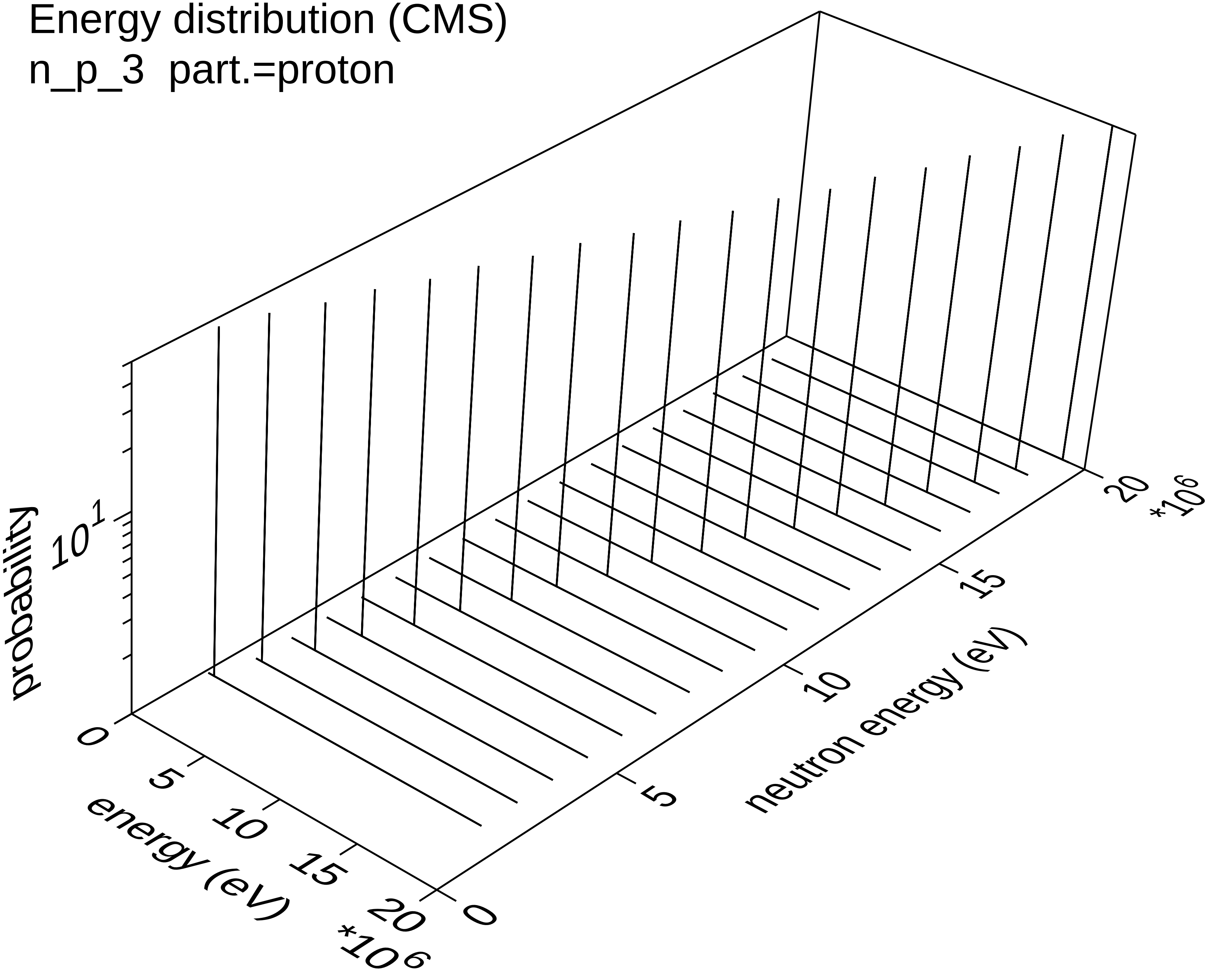
Energy distribution (CMS)
n_p_1 part.=gamma

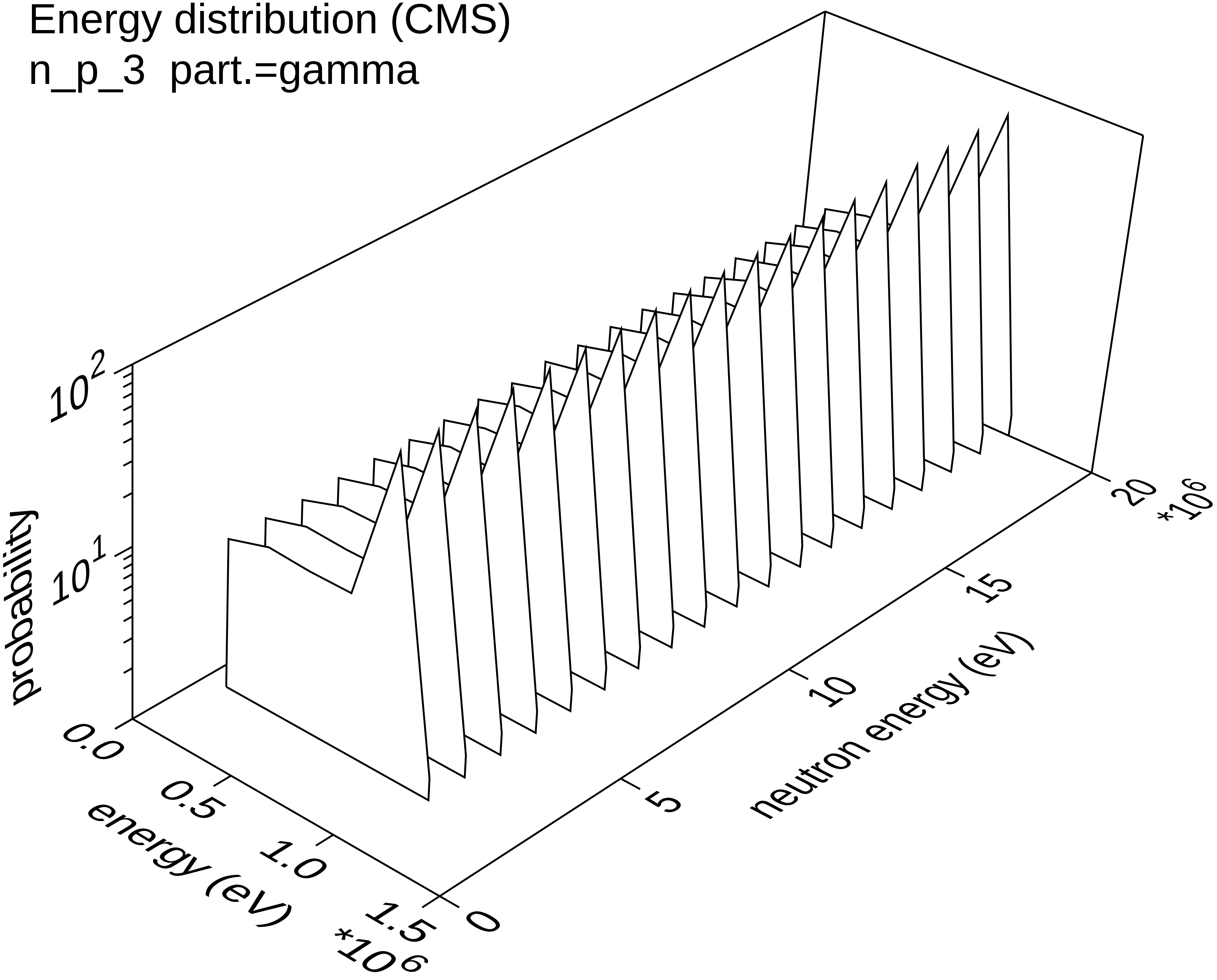



Energy distribution (CMS)
n_p_2 part.=proton
probability
10^1
0
5
10
15
20
energy (eV)
*10^6
0
5
10
15
20
neutron energy (eV)
*10^6


Energy distribution (CMS)
n_p_2 part.=gamma
probability
10^1
10^0
0
200
400
600
800
1000
energy (eV)
$*10^3$
0
5
10
15
20
$*10^6$
neutron energy (eV)

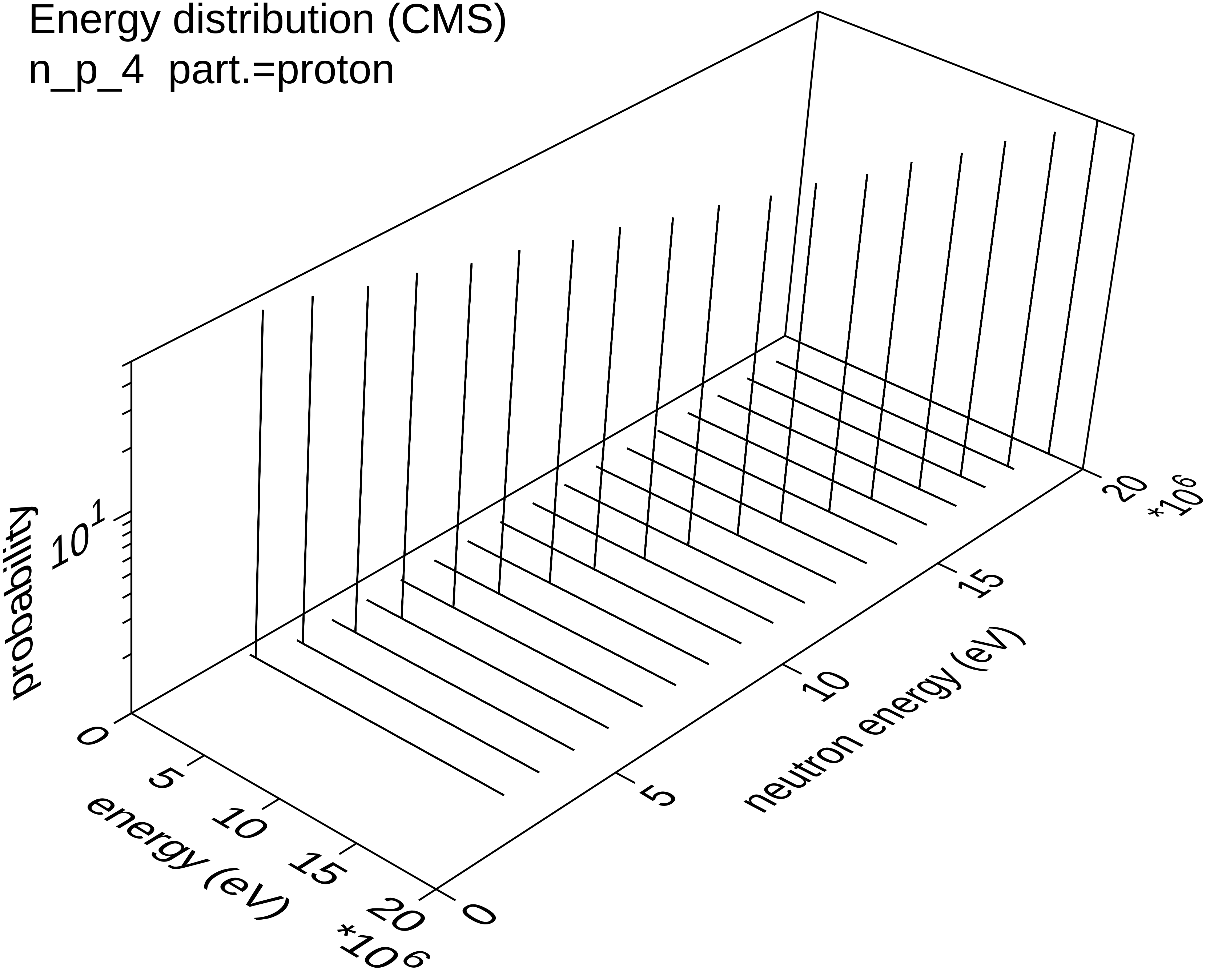
Energy distribution (CMS)
n_p_3 part.=proton

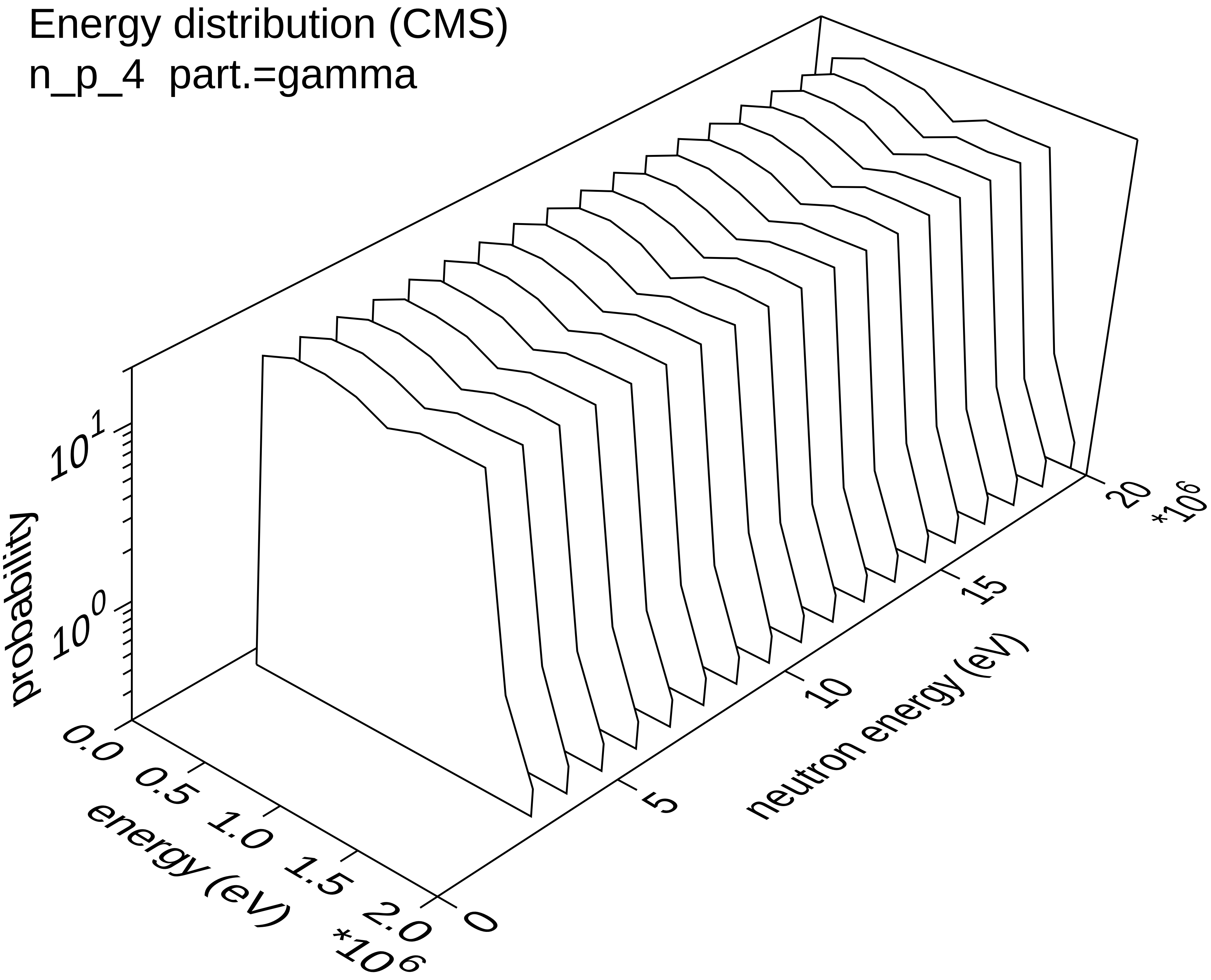




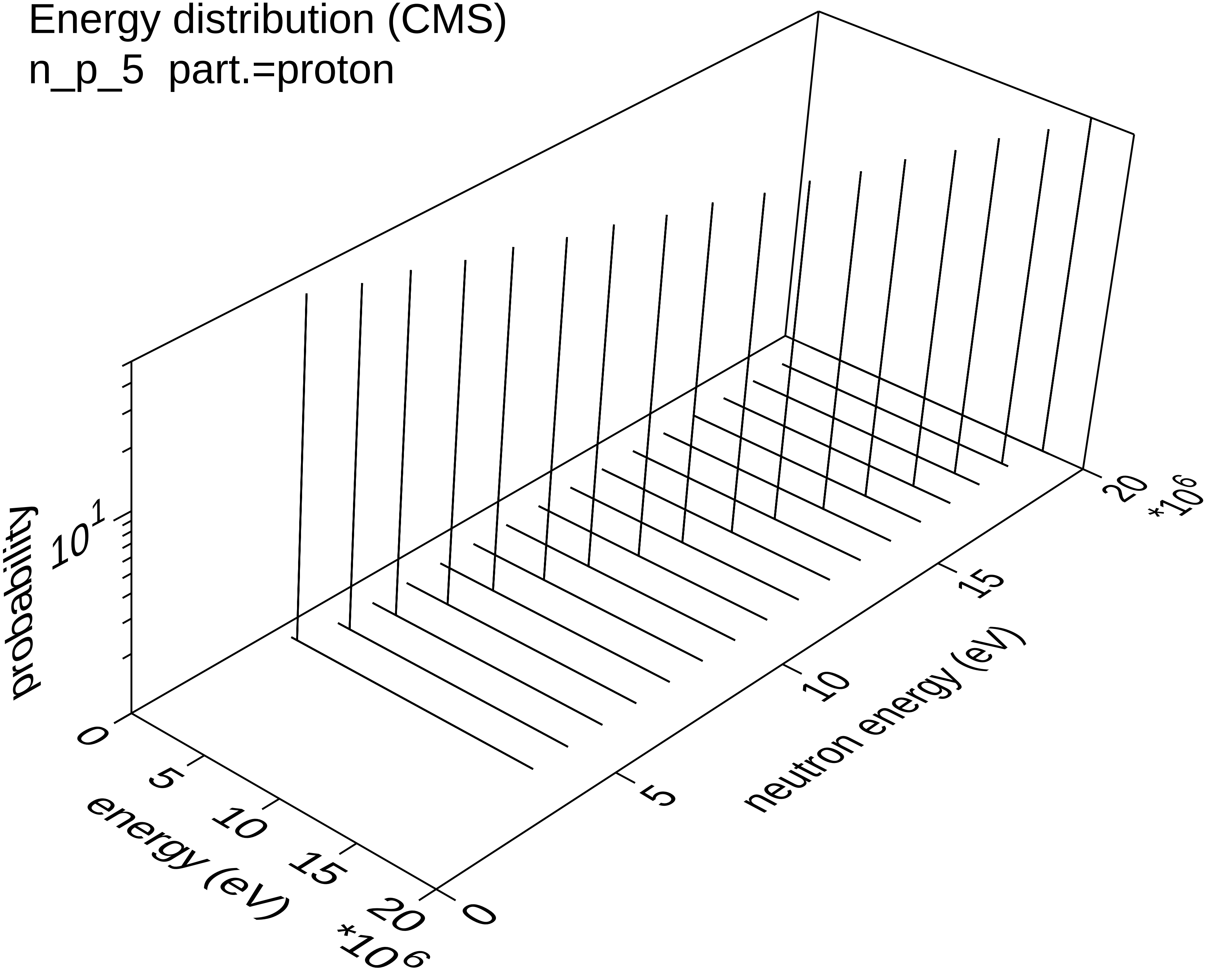
Energy distribution (CMS)
n_p_3 part.=gamma

Energy distribution (CMS)
n_p_4 part.=proton

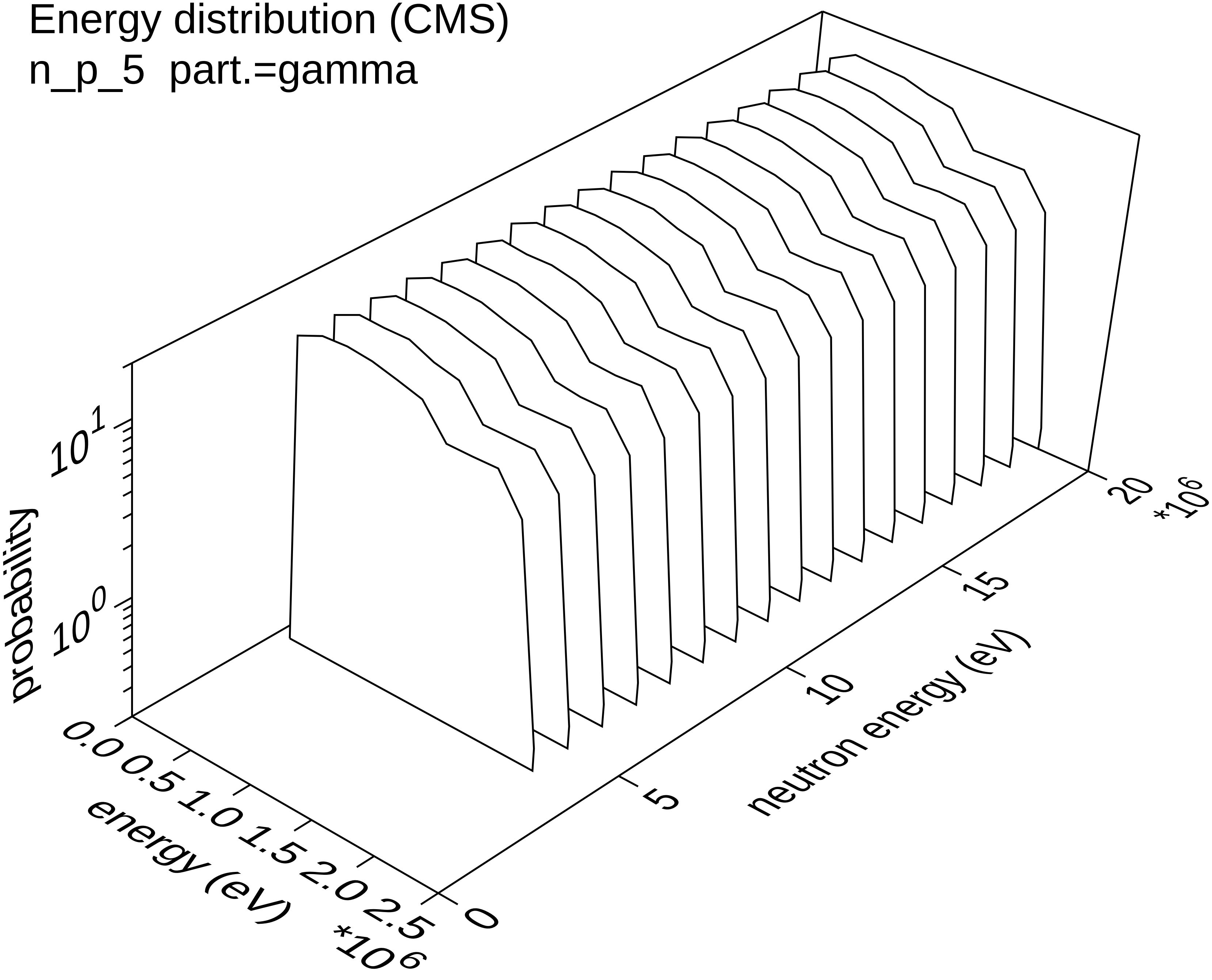



Energy distribution (CMS)
n_p_4 part.=gamma
probability
10^1
10^0
0.0
0.5
1.0
1.5
2.0
energy (eV)
*10^6
0
5
10
15
20
*10^6
neutron energy (eV)

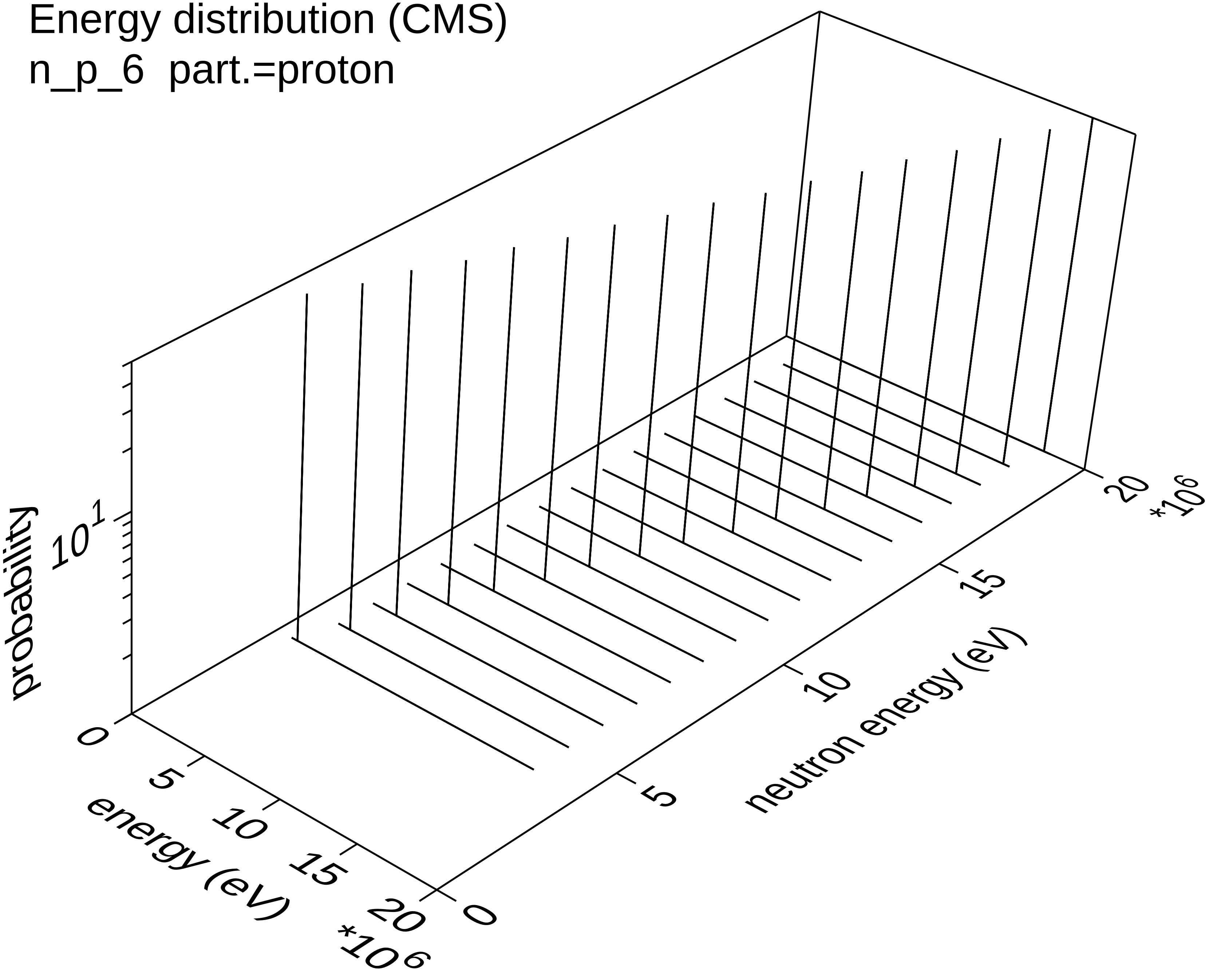
Energy distribution (CMS)
n_p_5 part.=proton



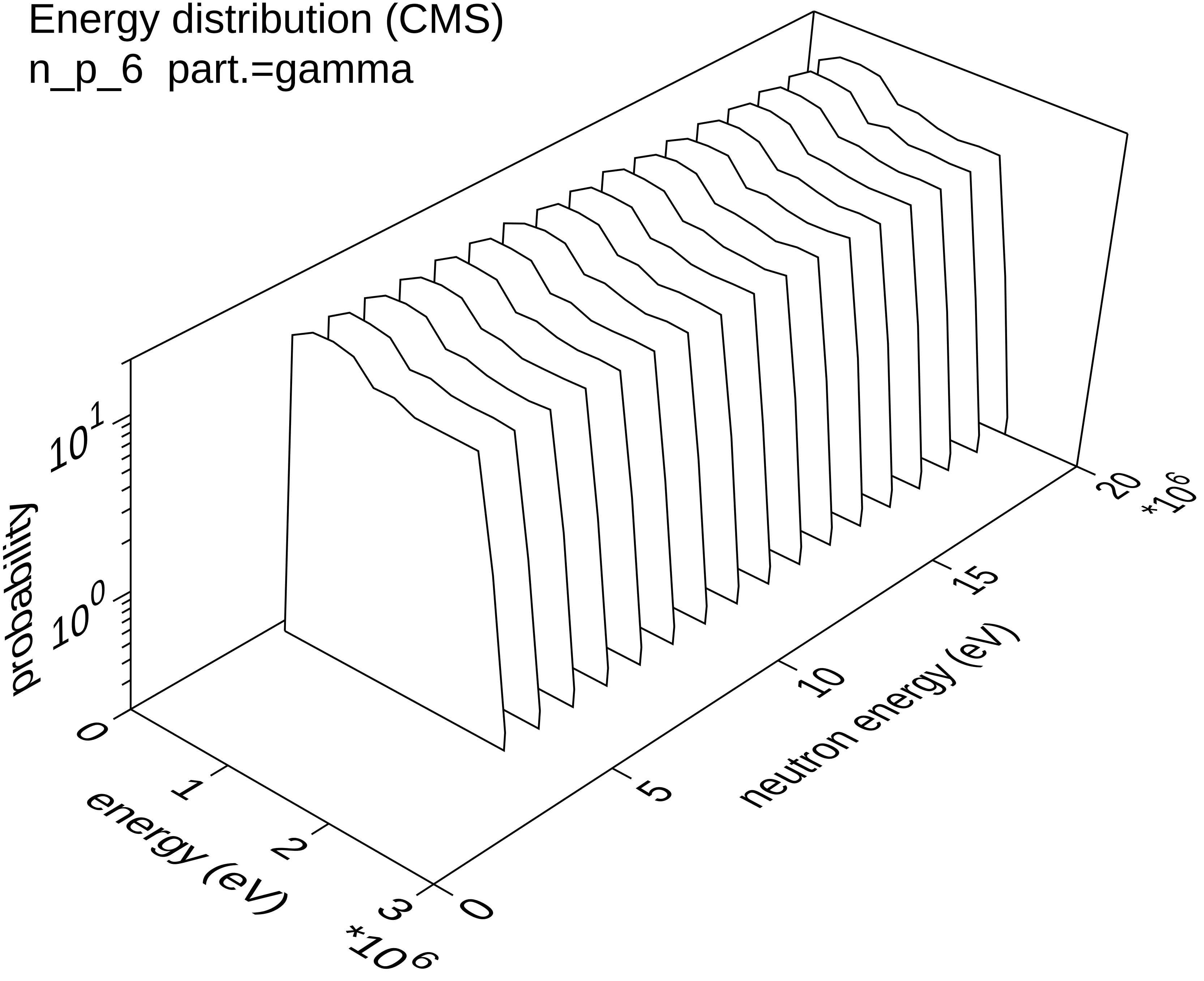
Energy distribution (CMS)
n_p_5 part.=gamma



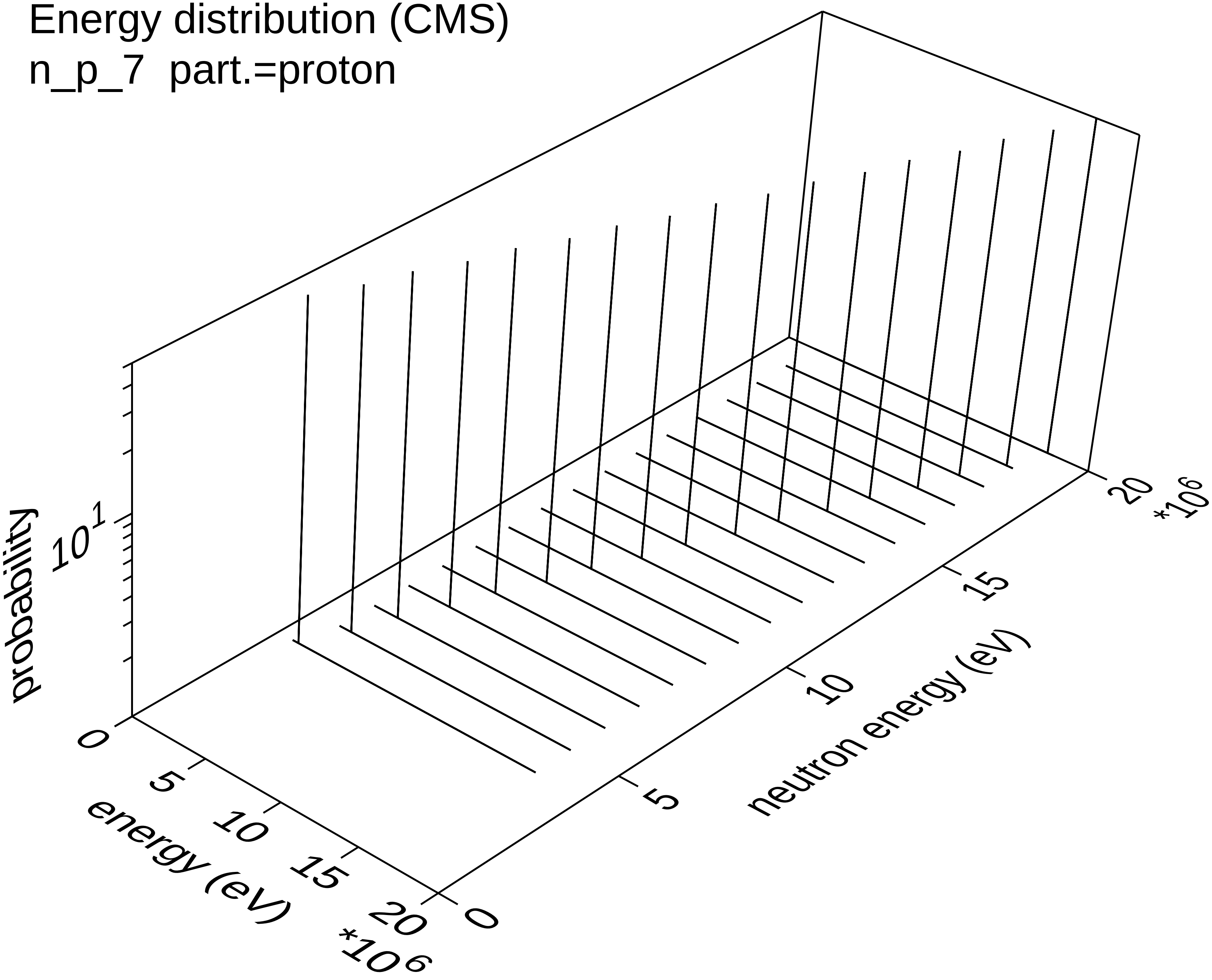
Energy distribution (CMS)
n_p_6 part.=proton



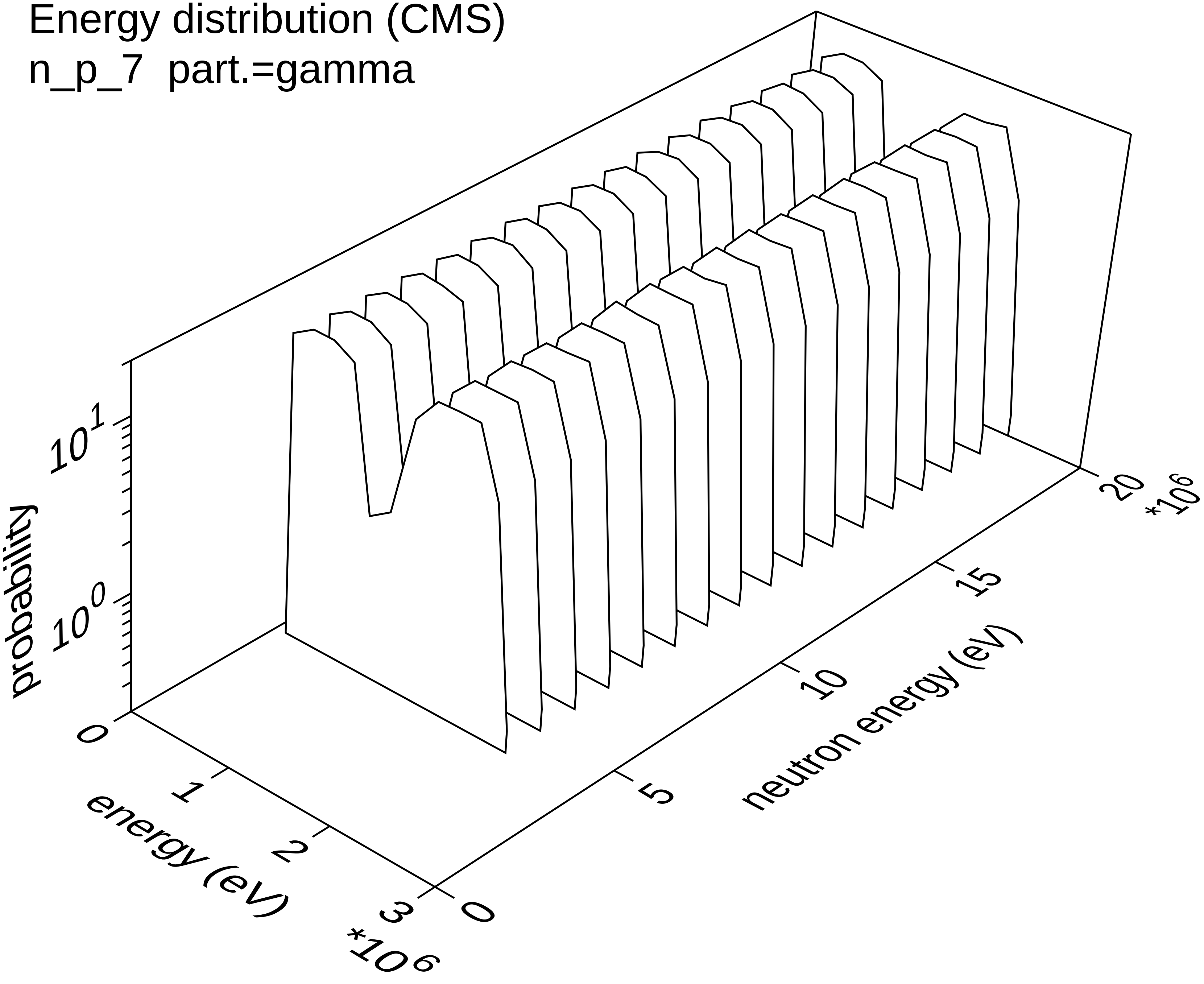
Energy distribution (CMS)
n_p_6 part.=gamma

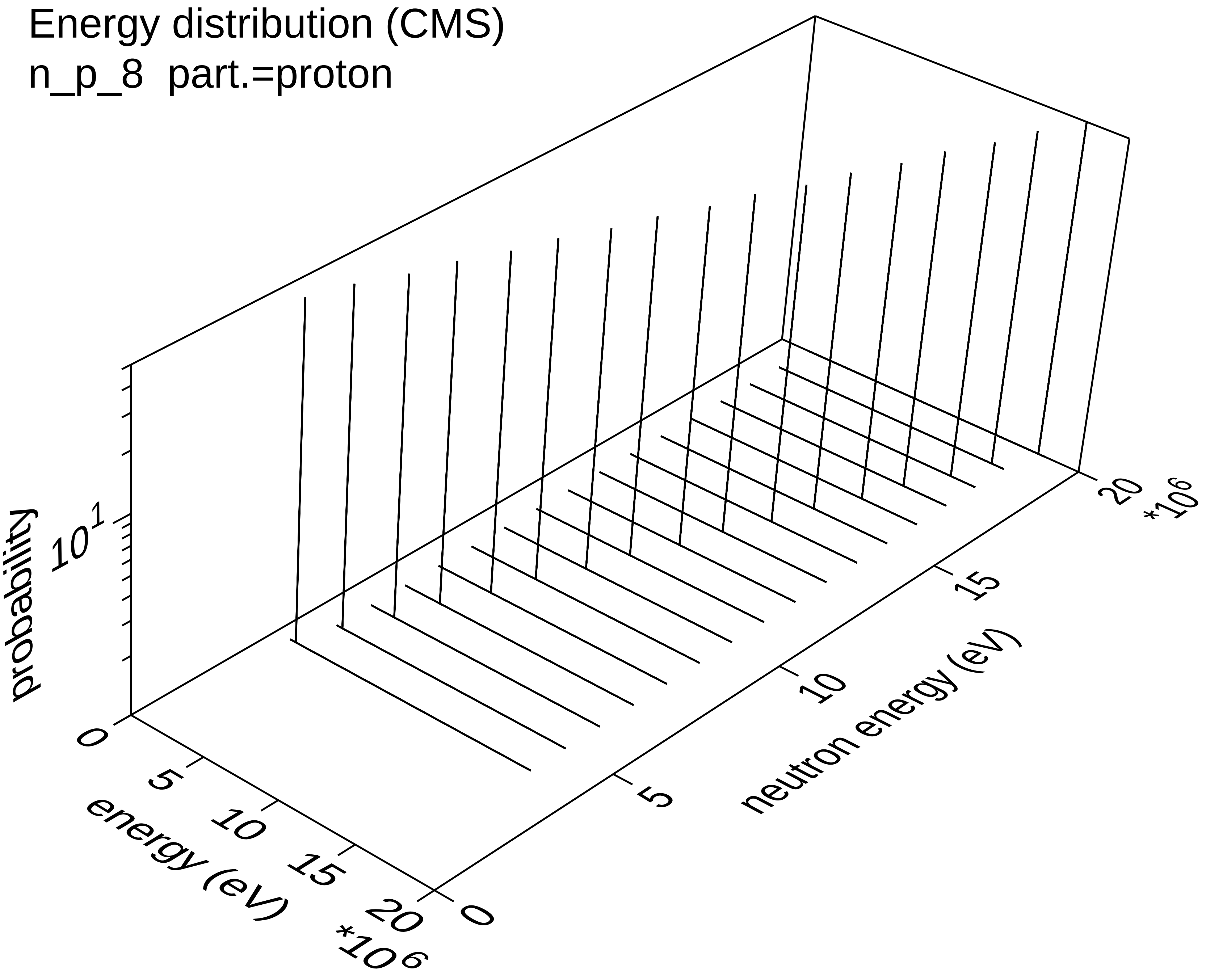


Energy distribution (CMS)
n_p_7 part.=proton

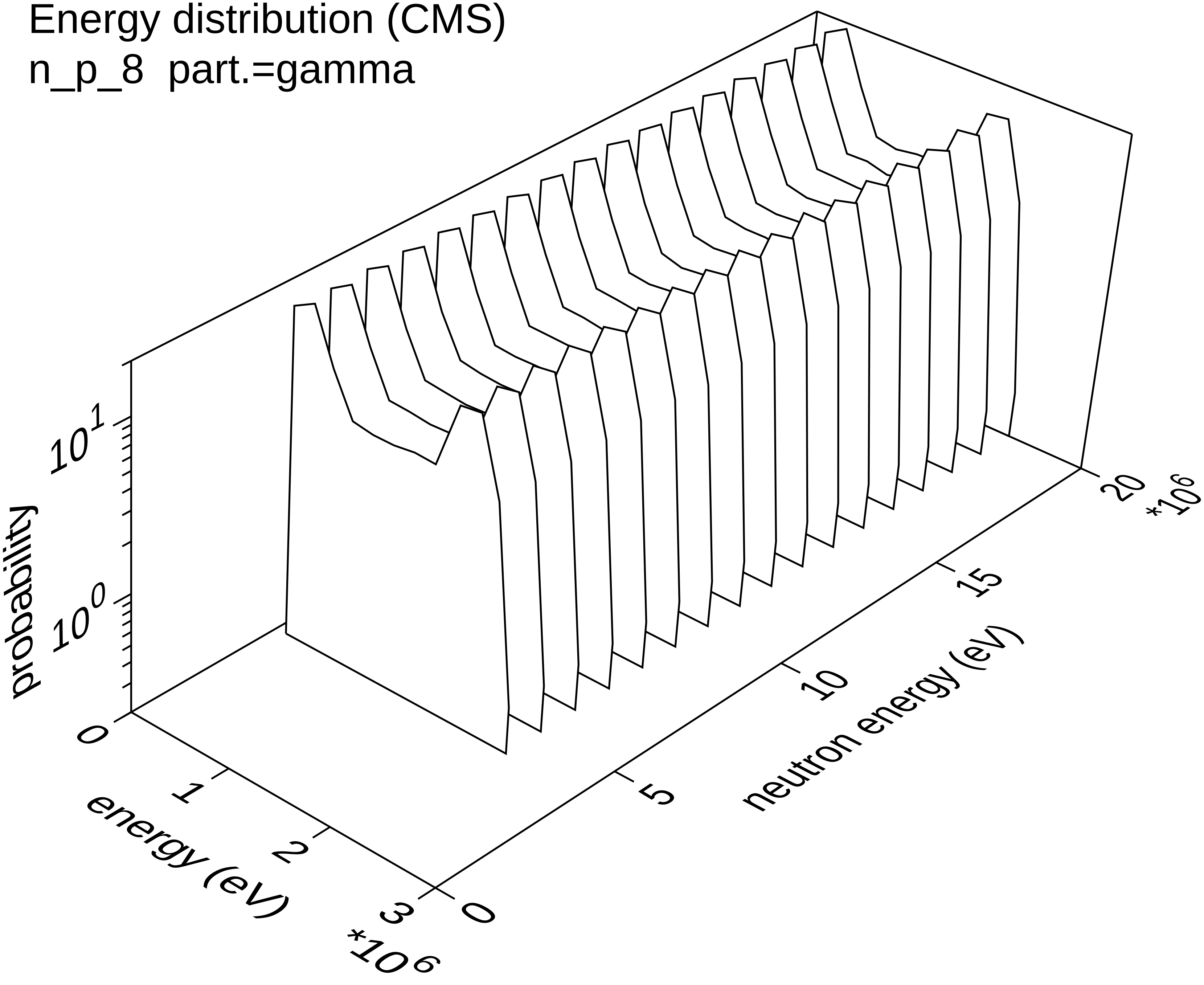


Energy distribution (CMS)
n_p_7 part.=gamma

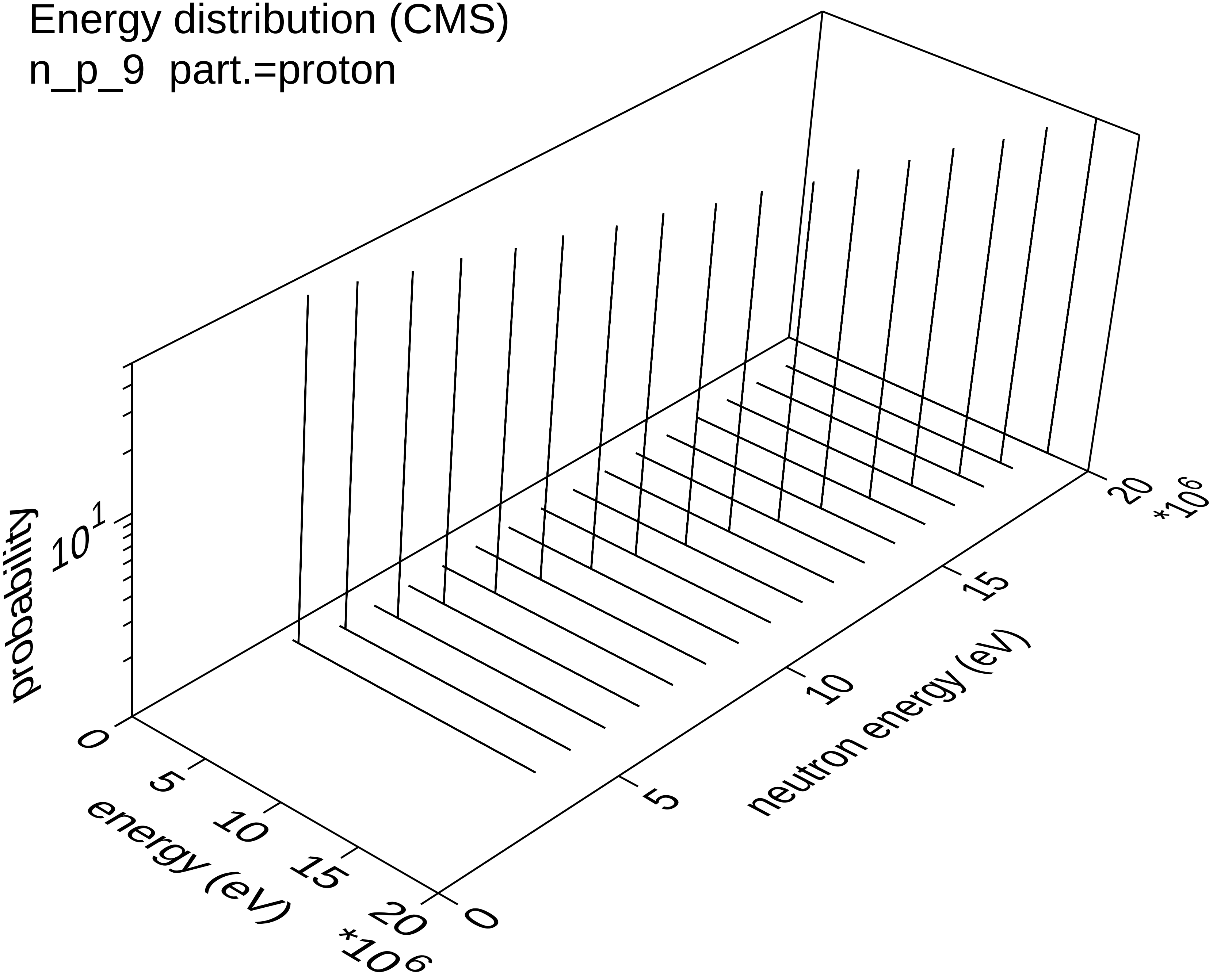



Energy distribution (CMS)
n_p_8 part.=proton
probability
10^1
0
5
10
15
20
energy (eV)
*10^6
0
5
10
15
20
neutron energy (eV)
*10^6

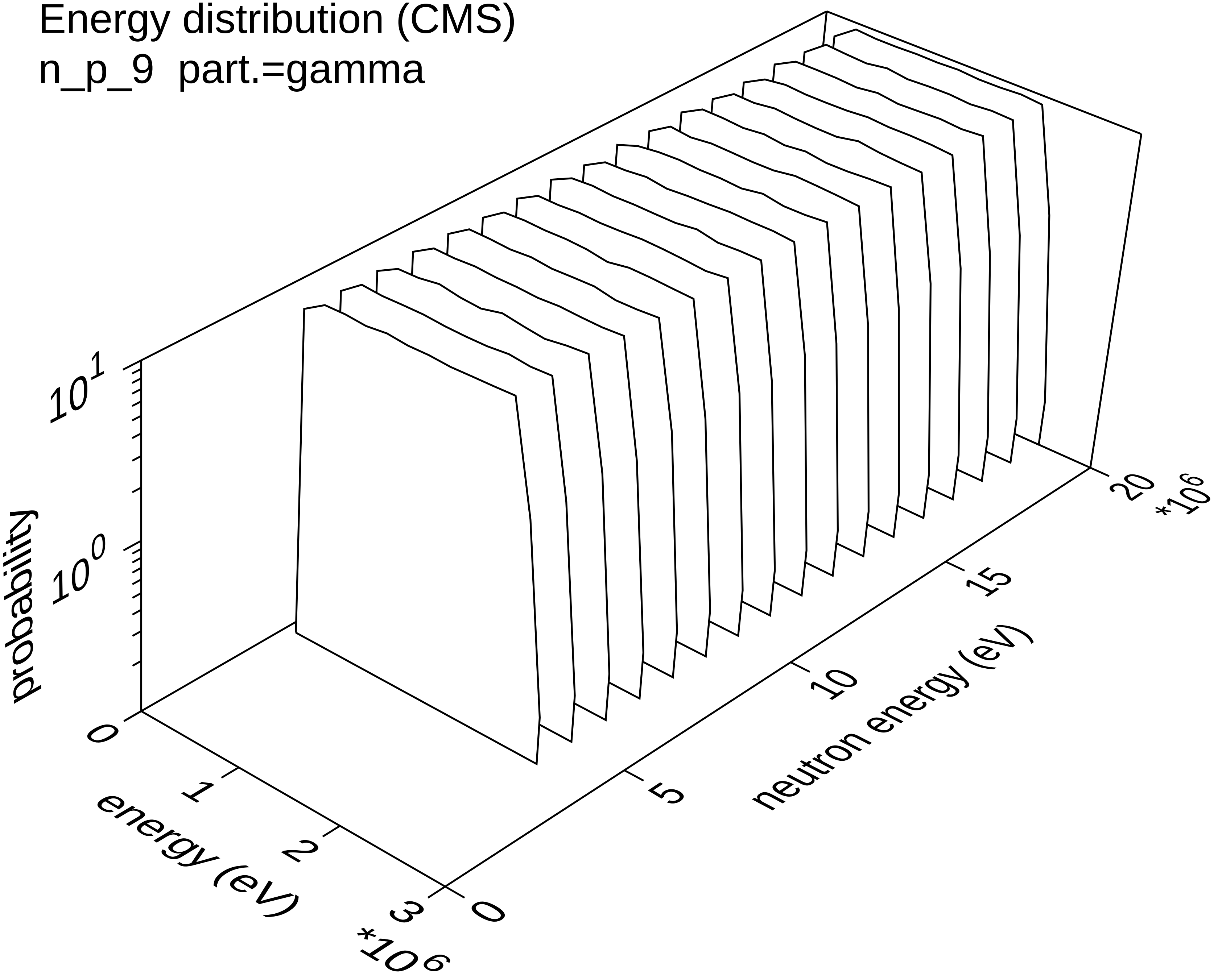
Energy distribution (CMS)
n_p_8 part.=gamma

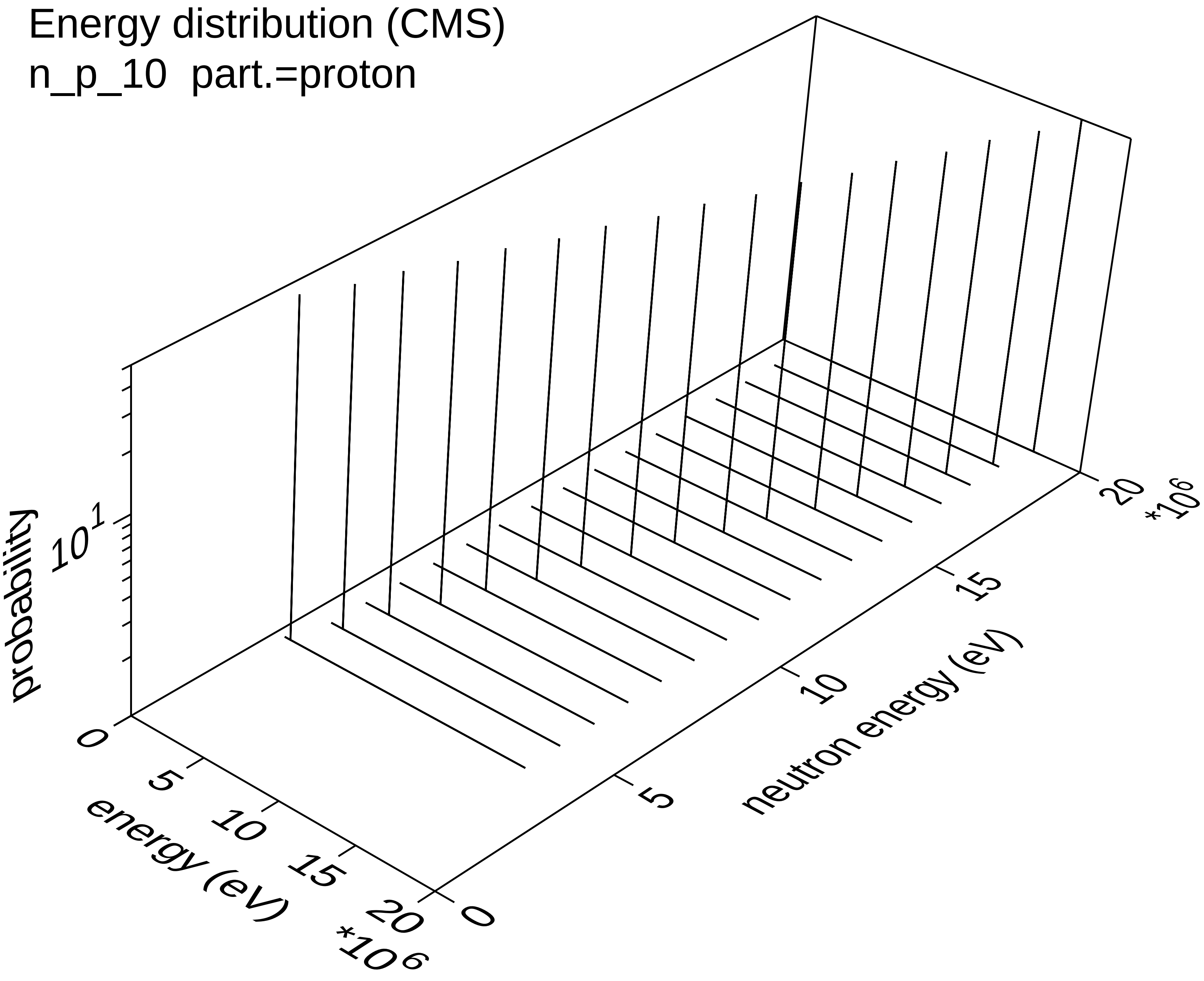


Energy distribution (CMS)
n_p_9 part.=proton

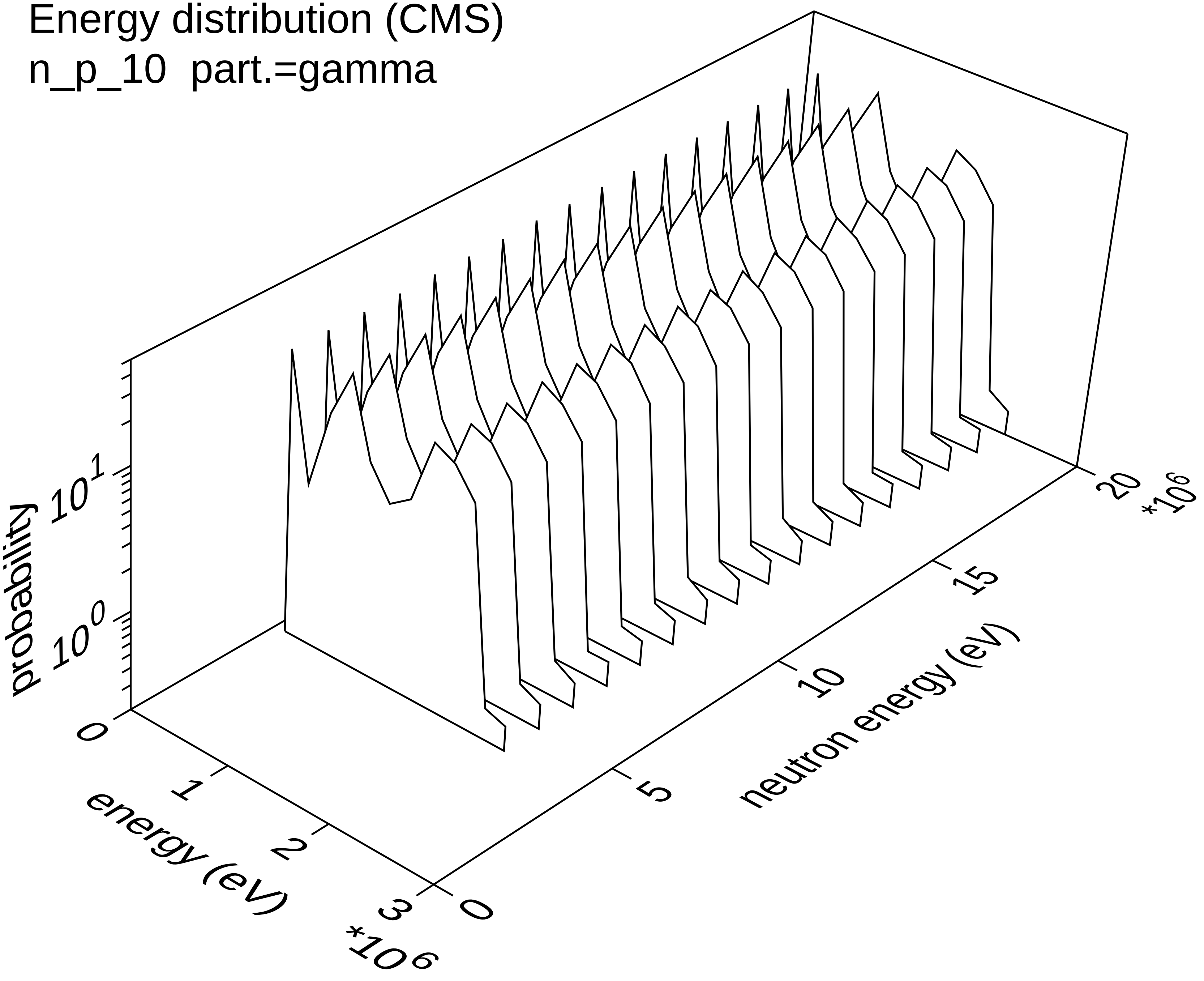


Energy distribution (CMS)
n_p_9 part.=gamma

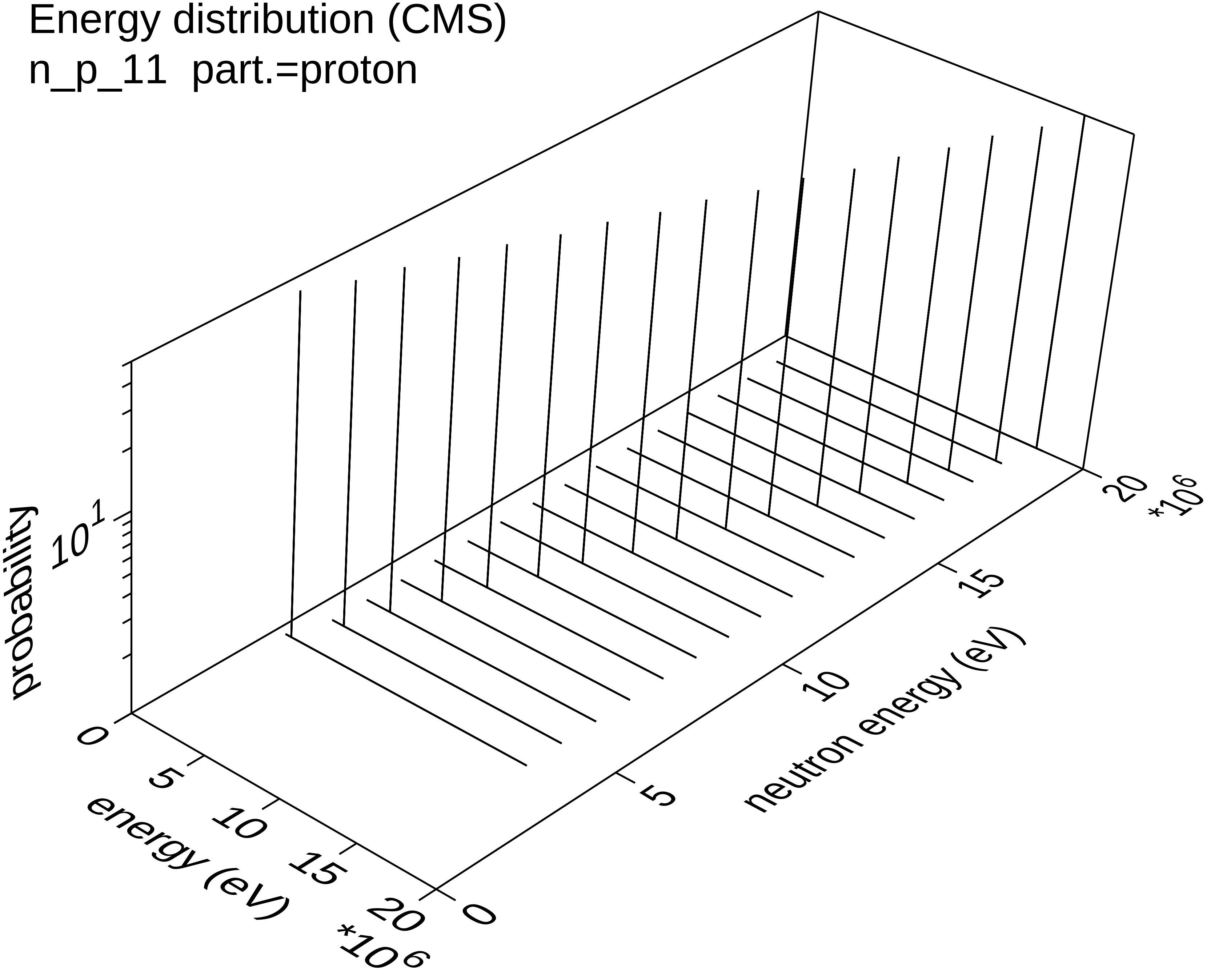



Energy distribution (CMS)
n_p_10 part.=proton
probability
10^1
0
5
10
15
20
energy (eV)
*10^6
0
5
10
15
20
neutron energy (eV)
*10^6

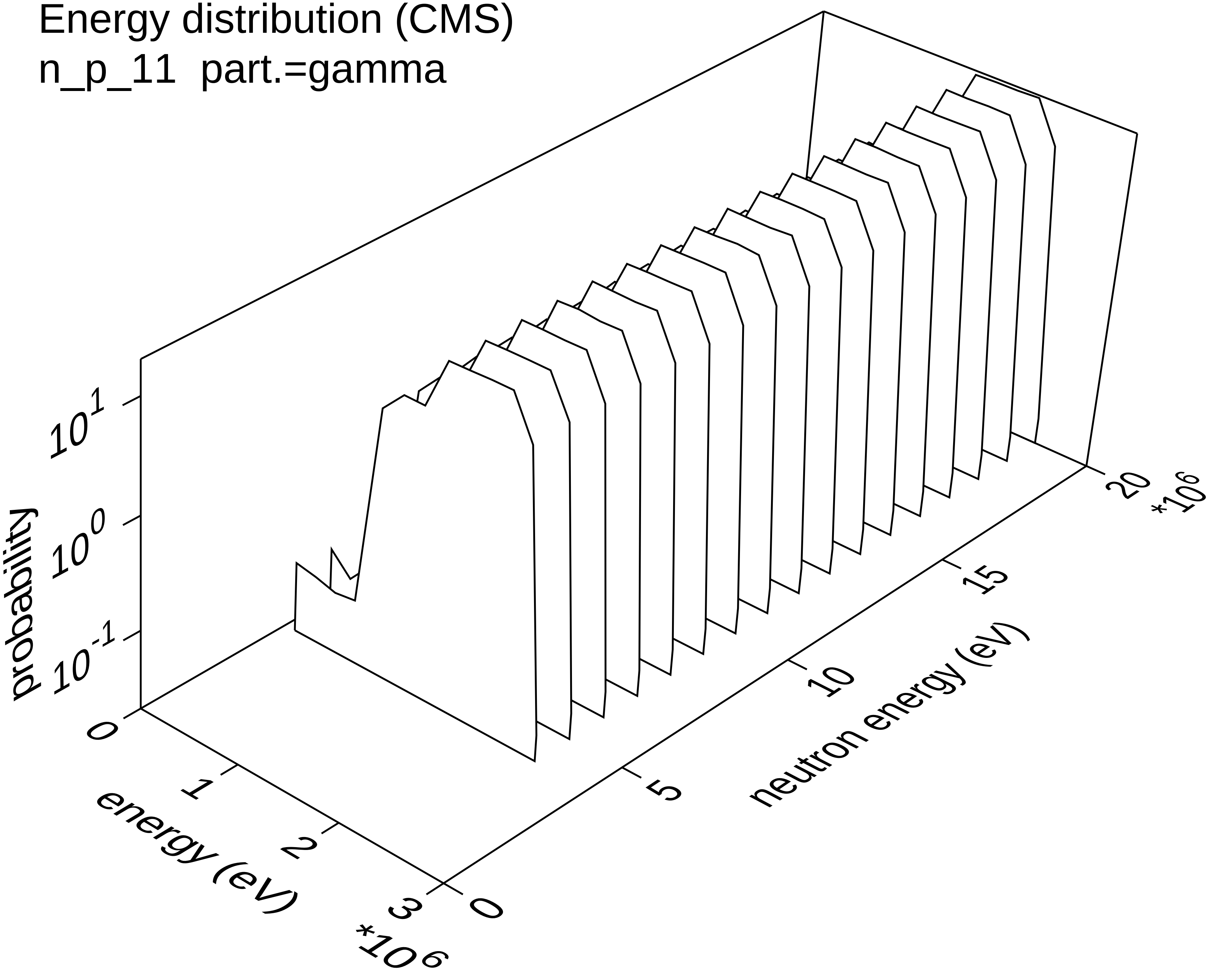
Energy distribution (CMS)
n_p_10 part.=gamma



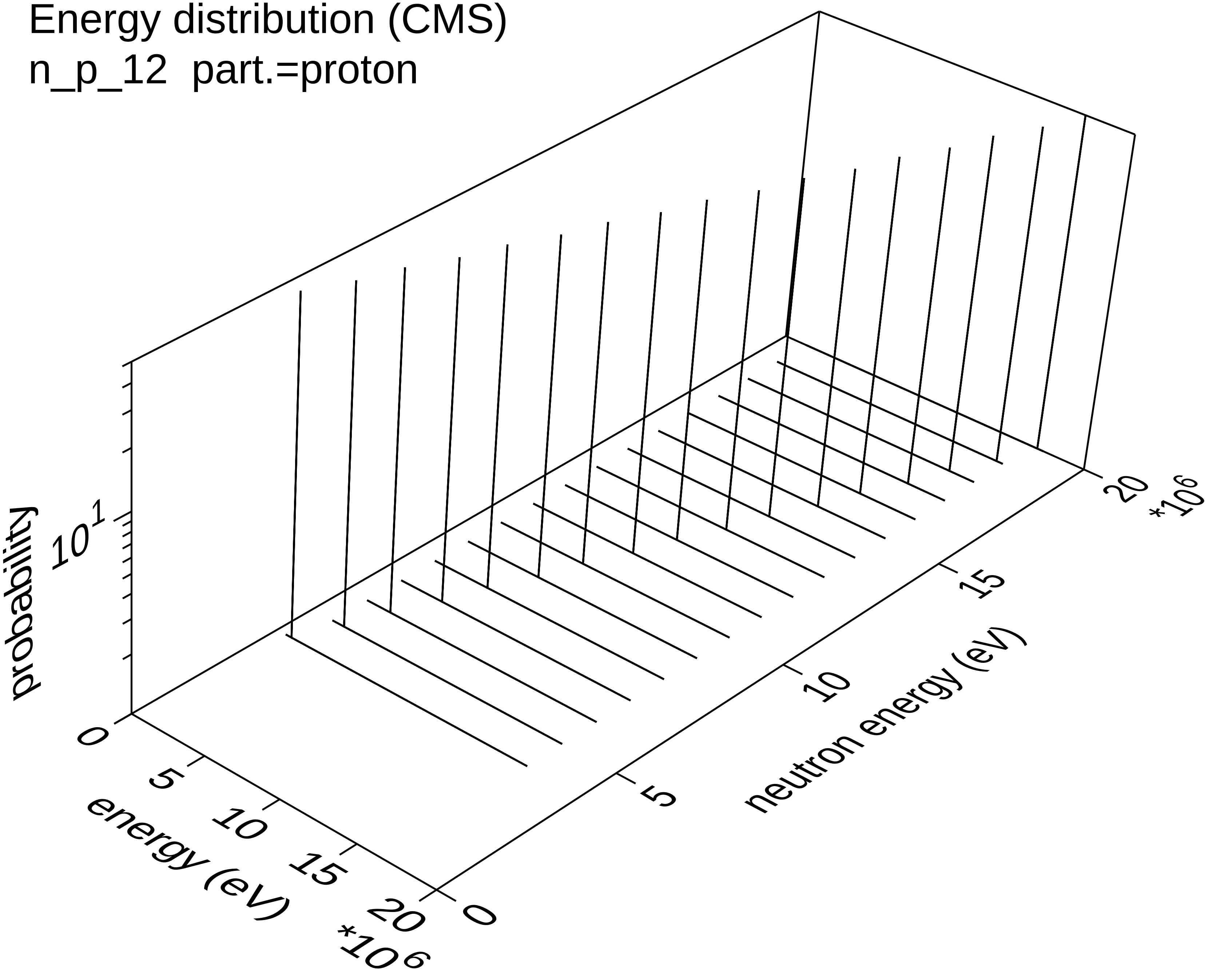
Energy distribution (CMS)
n_p_11 part.=proton



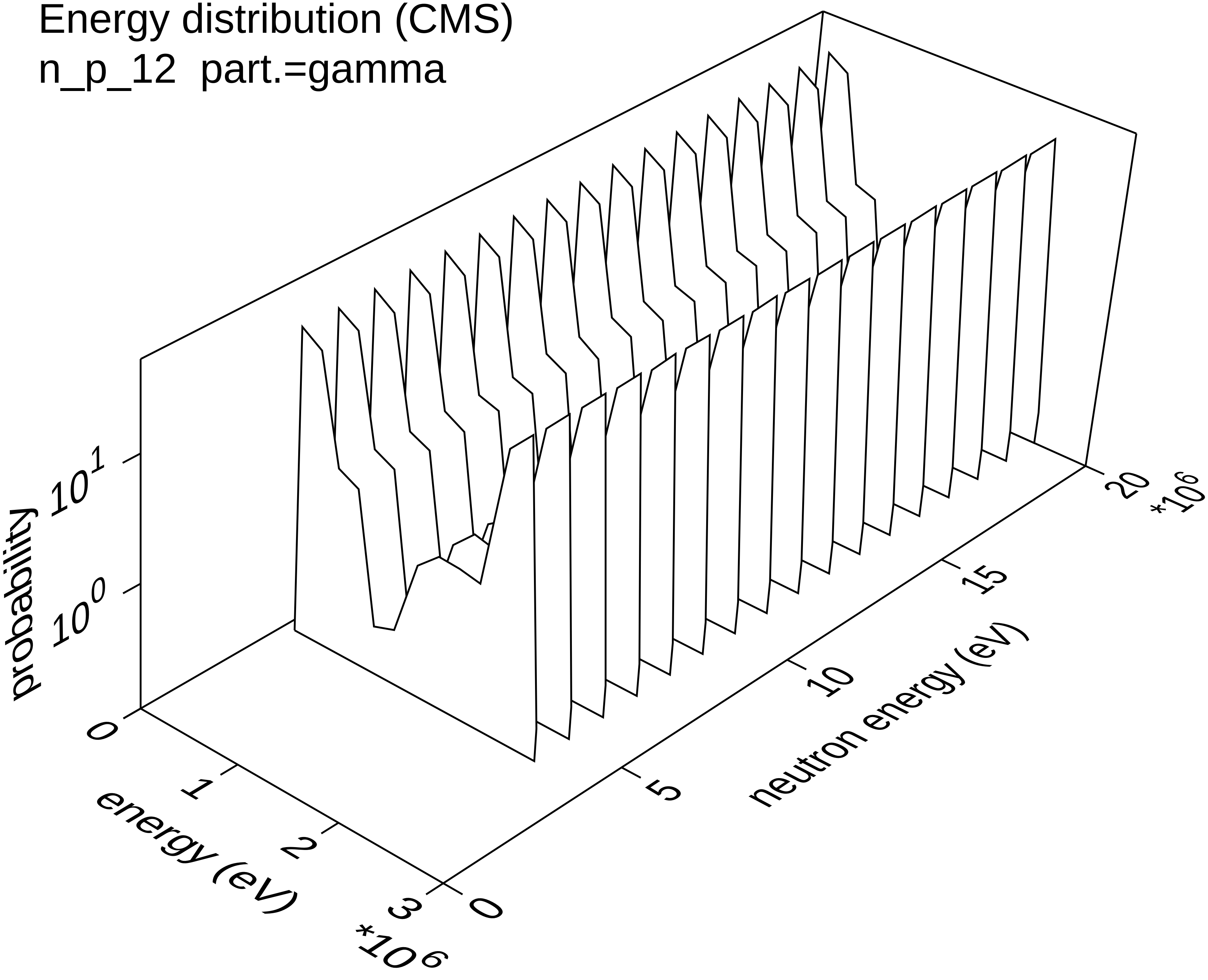
Energy distribution (CMS)
n_p_11 part.=gamma

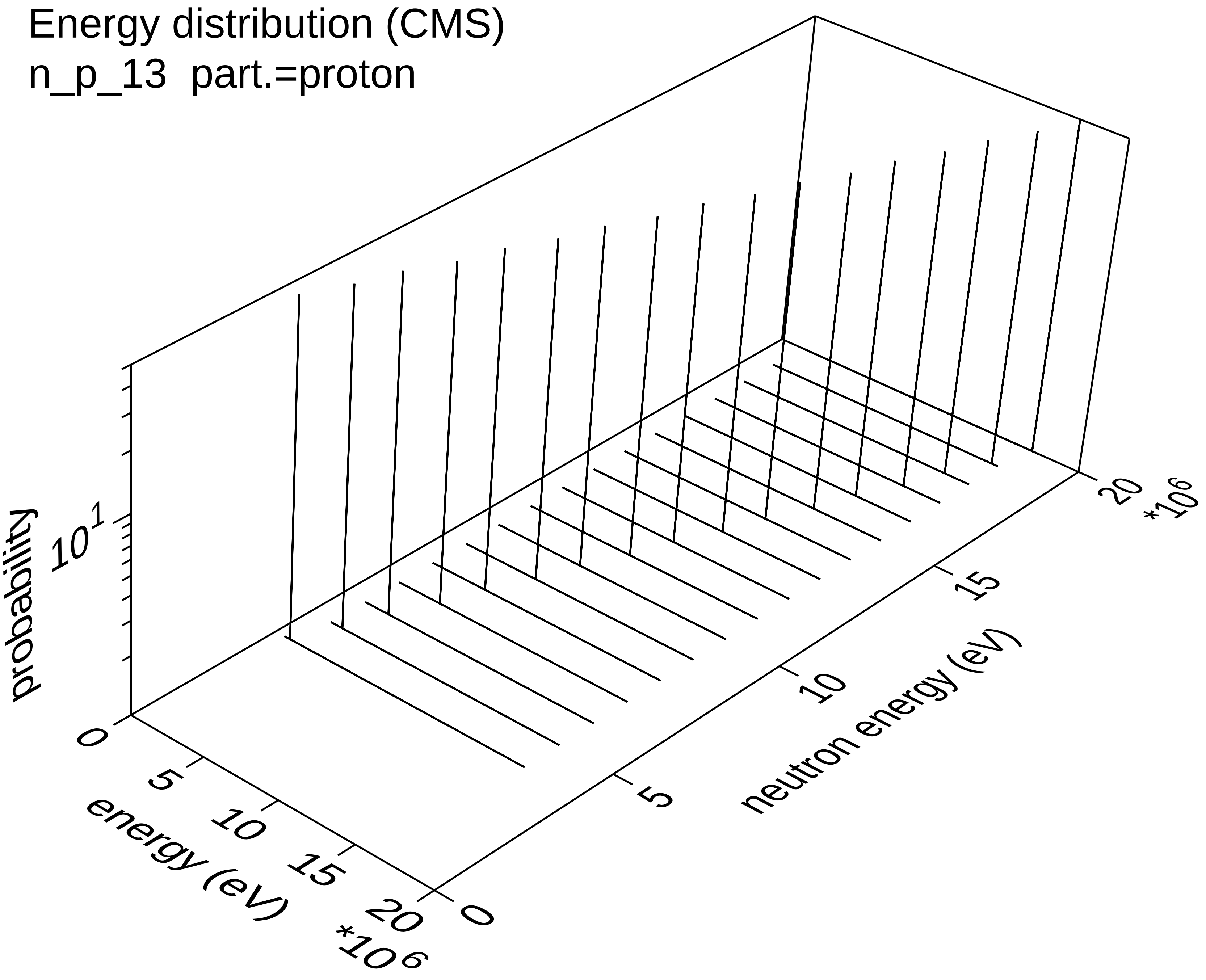


Energy distribution (CMS)
n_p_12 part.=proton

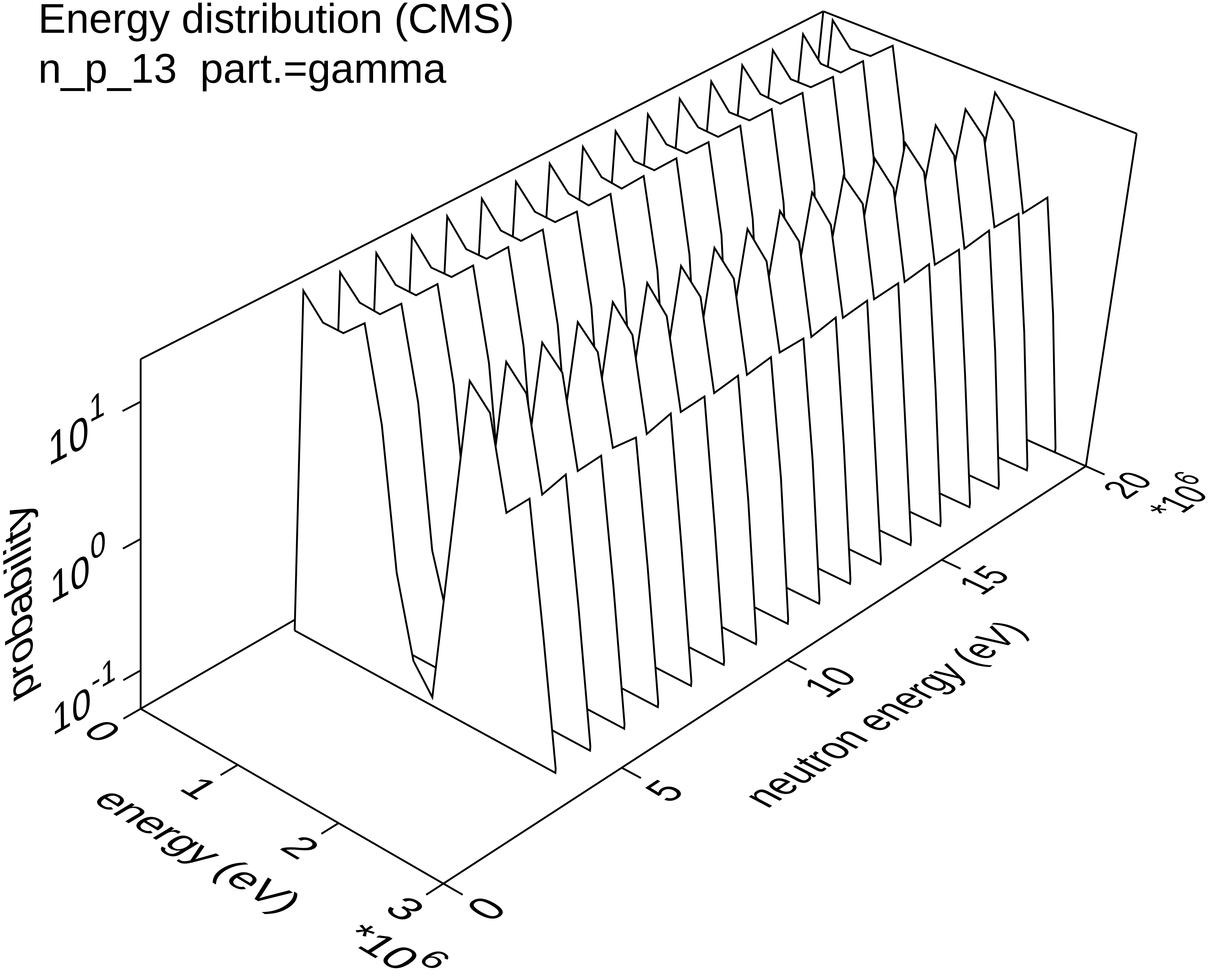


Energy distribution (CMS)
n_p_12 part.=gamma

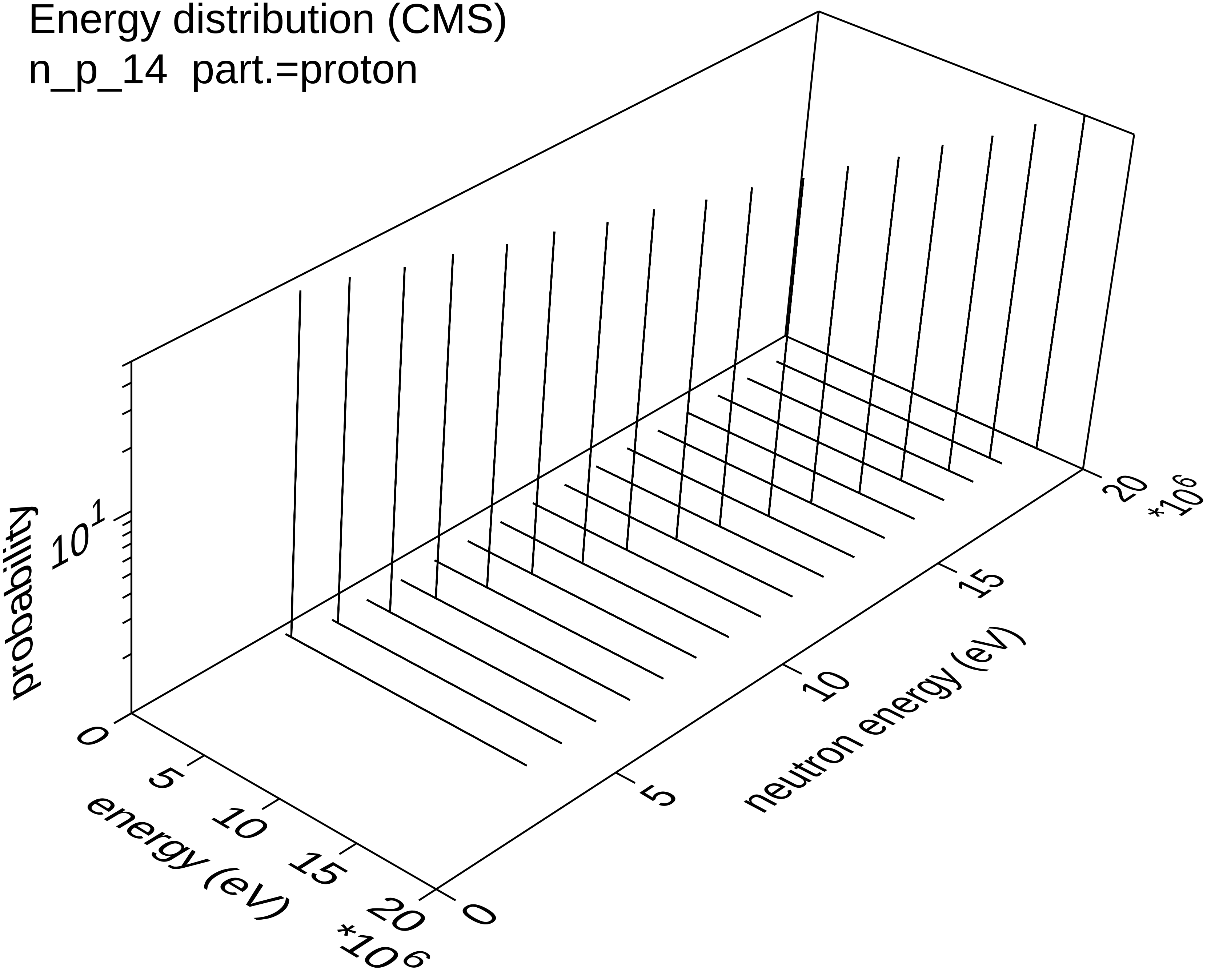



Energy distribution (CMS)
n_p_13 part.=proton
probability
10^1
0
5
10
15
20
energy (eV)
*10^6
0
5
10
15
20
neutron energy (eV)
*10^6

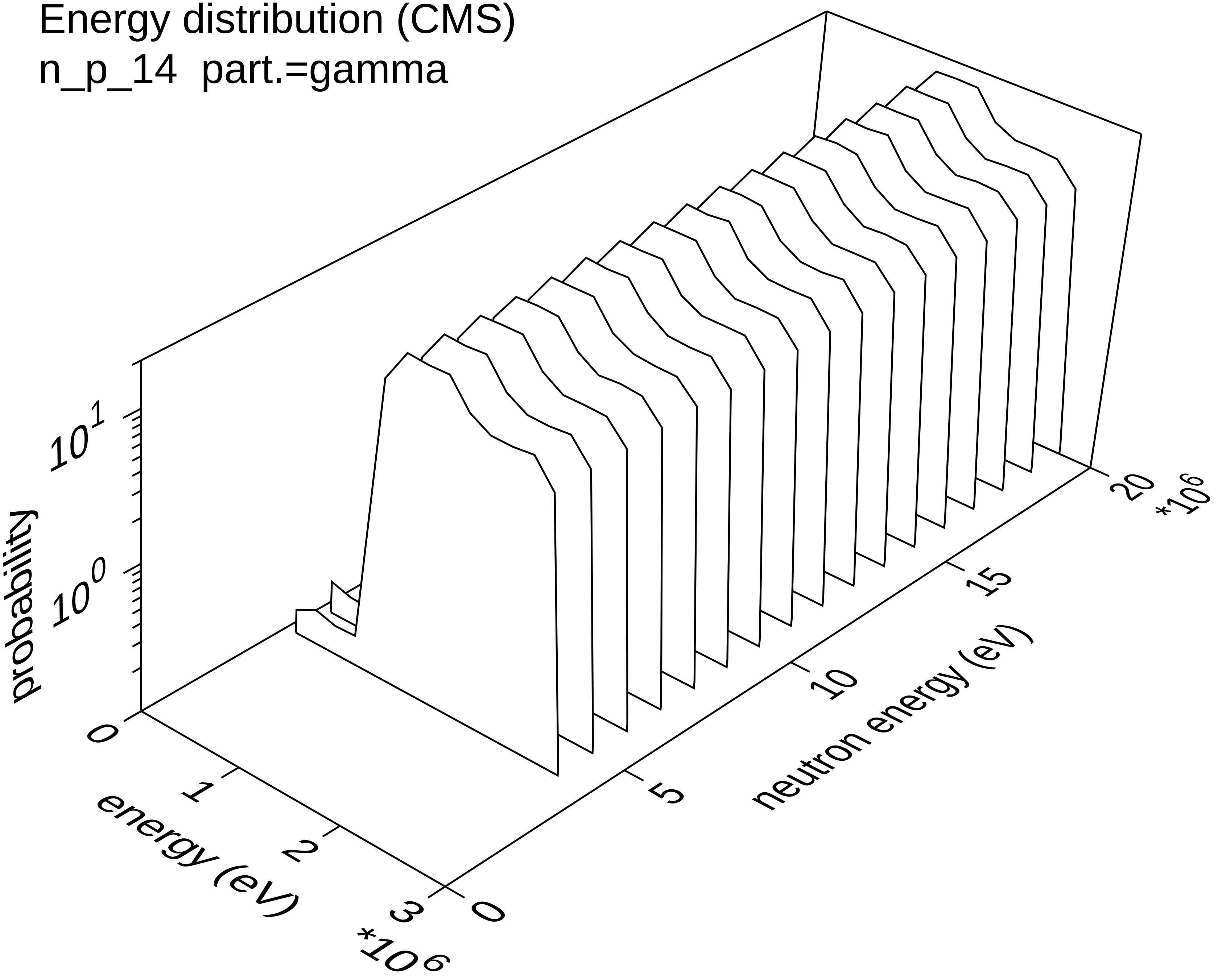
Energy distribution (CMS)
n_p_13 part.=gamma



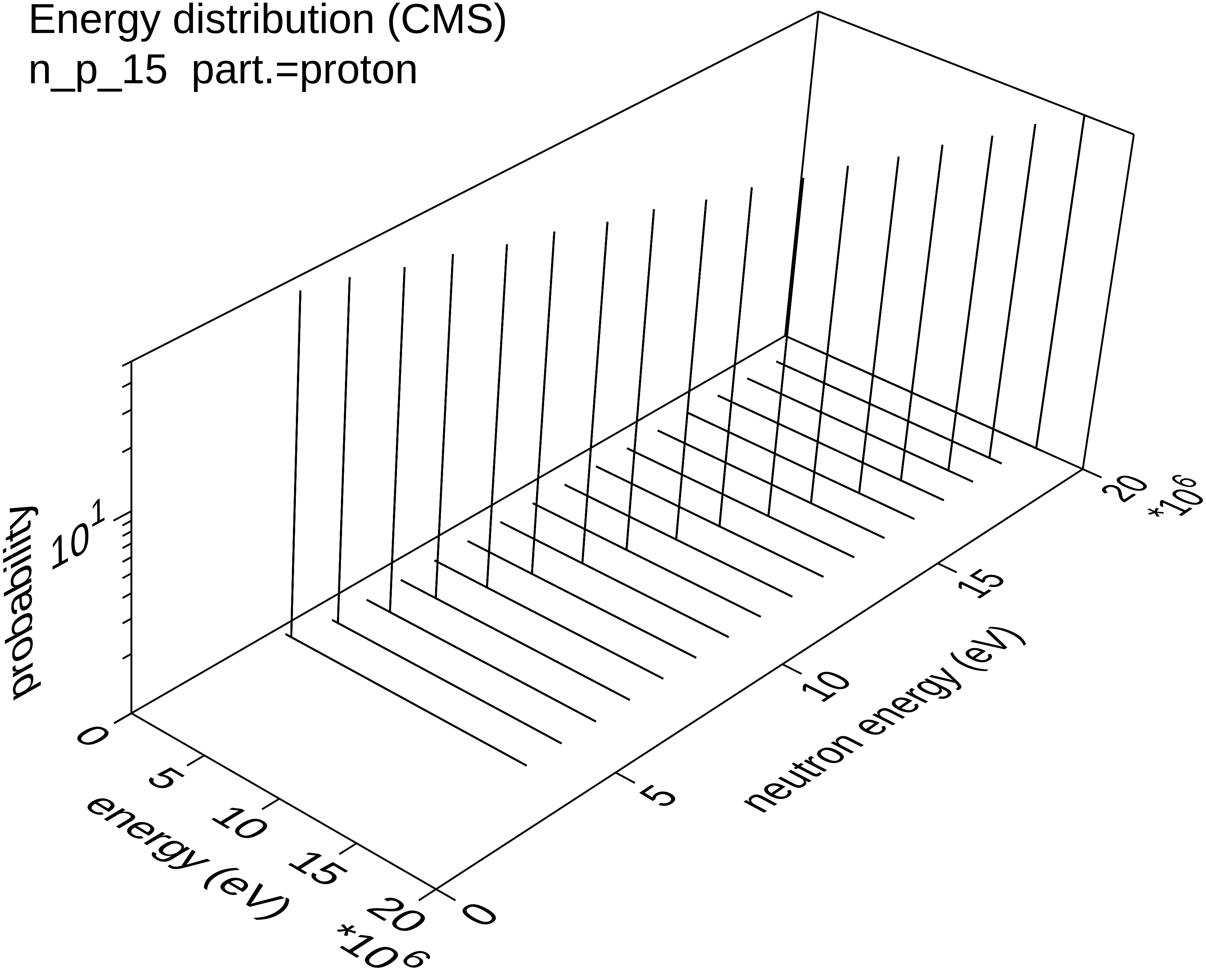
Energy distribution (CMS)
n_p_14 part.=proton



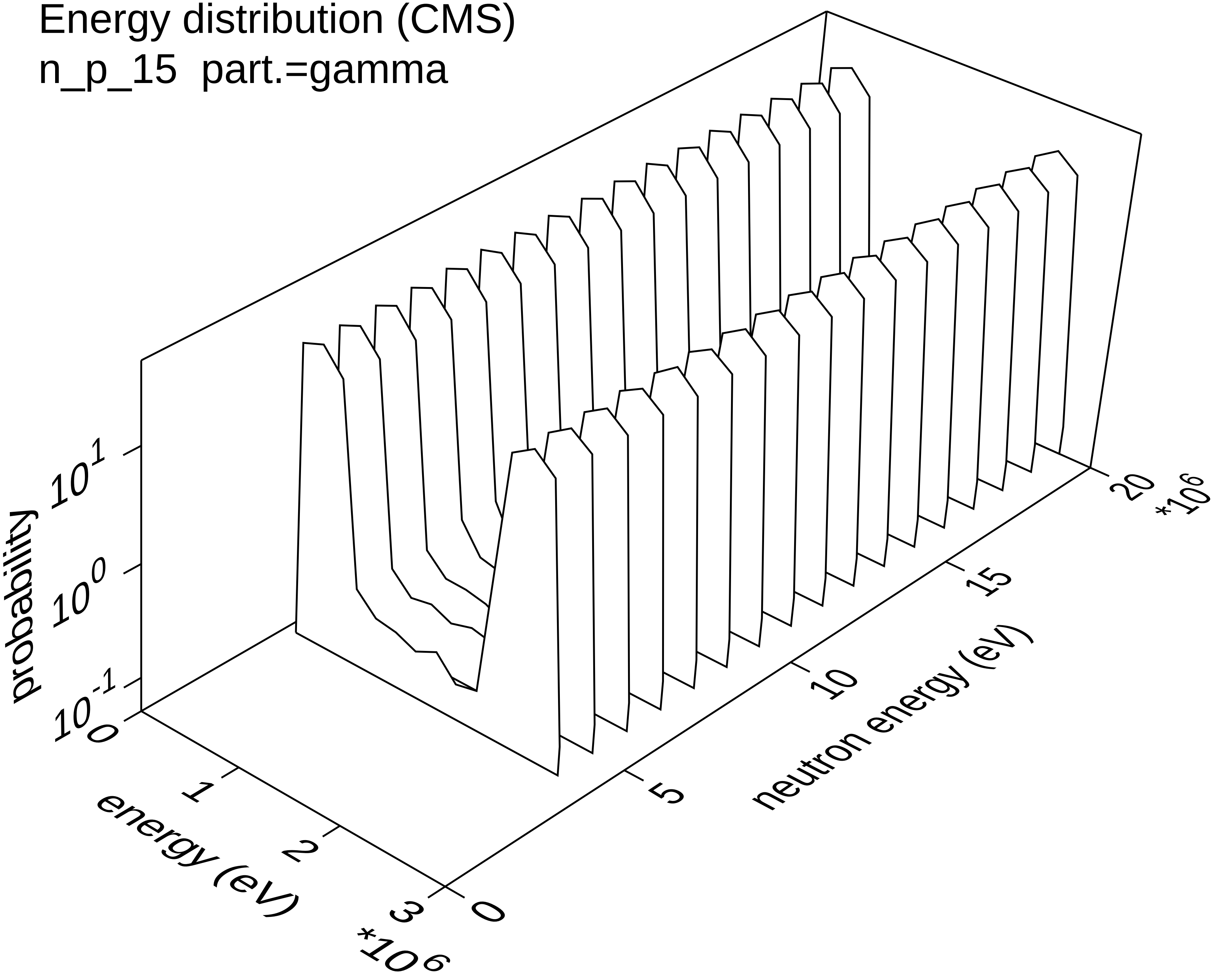
Energy distribution (CMS)
n_p_14 part.=gamma



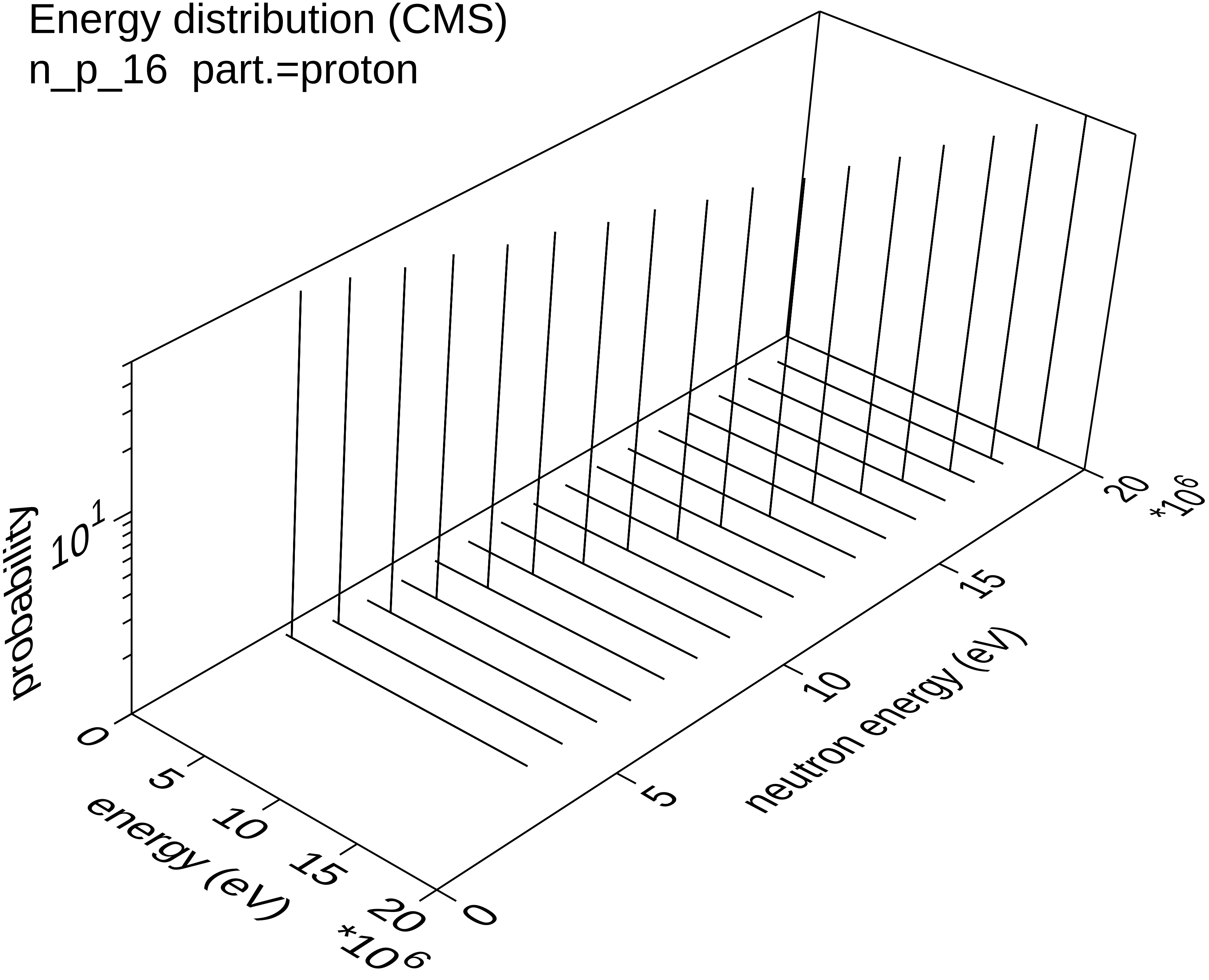
Energy distribution (CMS)
n_p_15 part.=proton



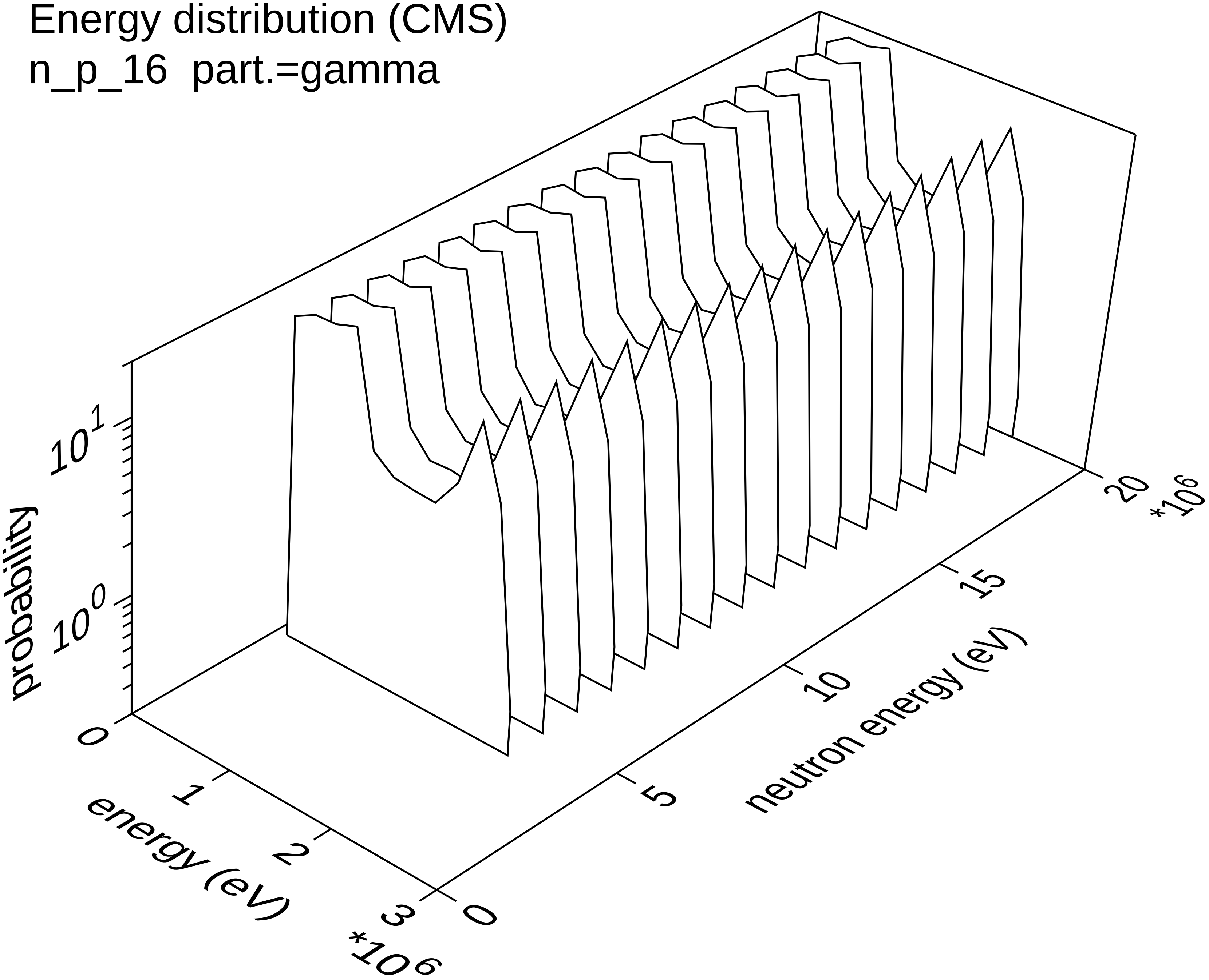
Energy distribution (CMS)
n_p_15 part.=gamma



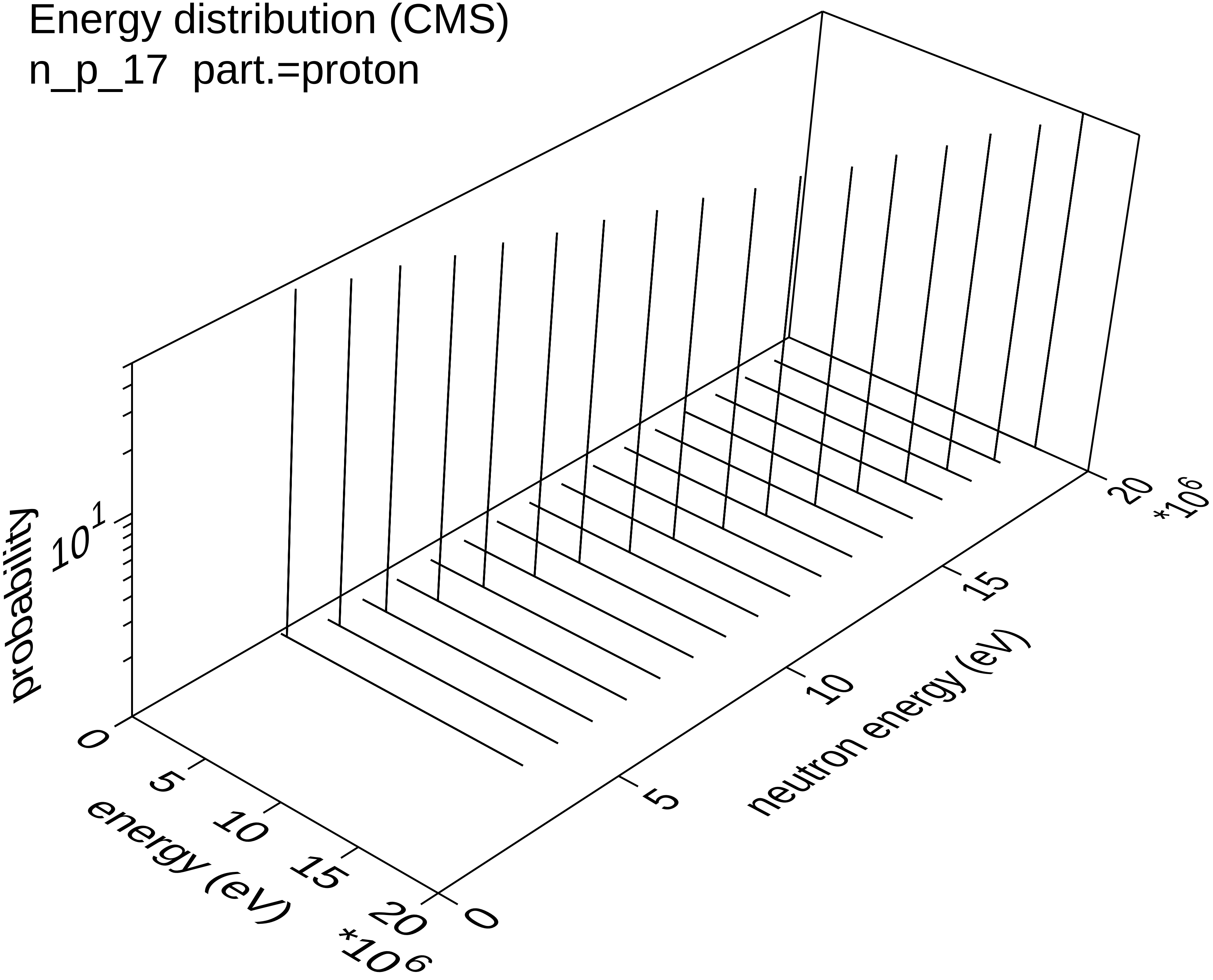
Energy distribution (CMS)
n_p_16 part.=proton



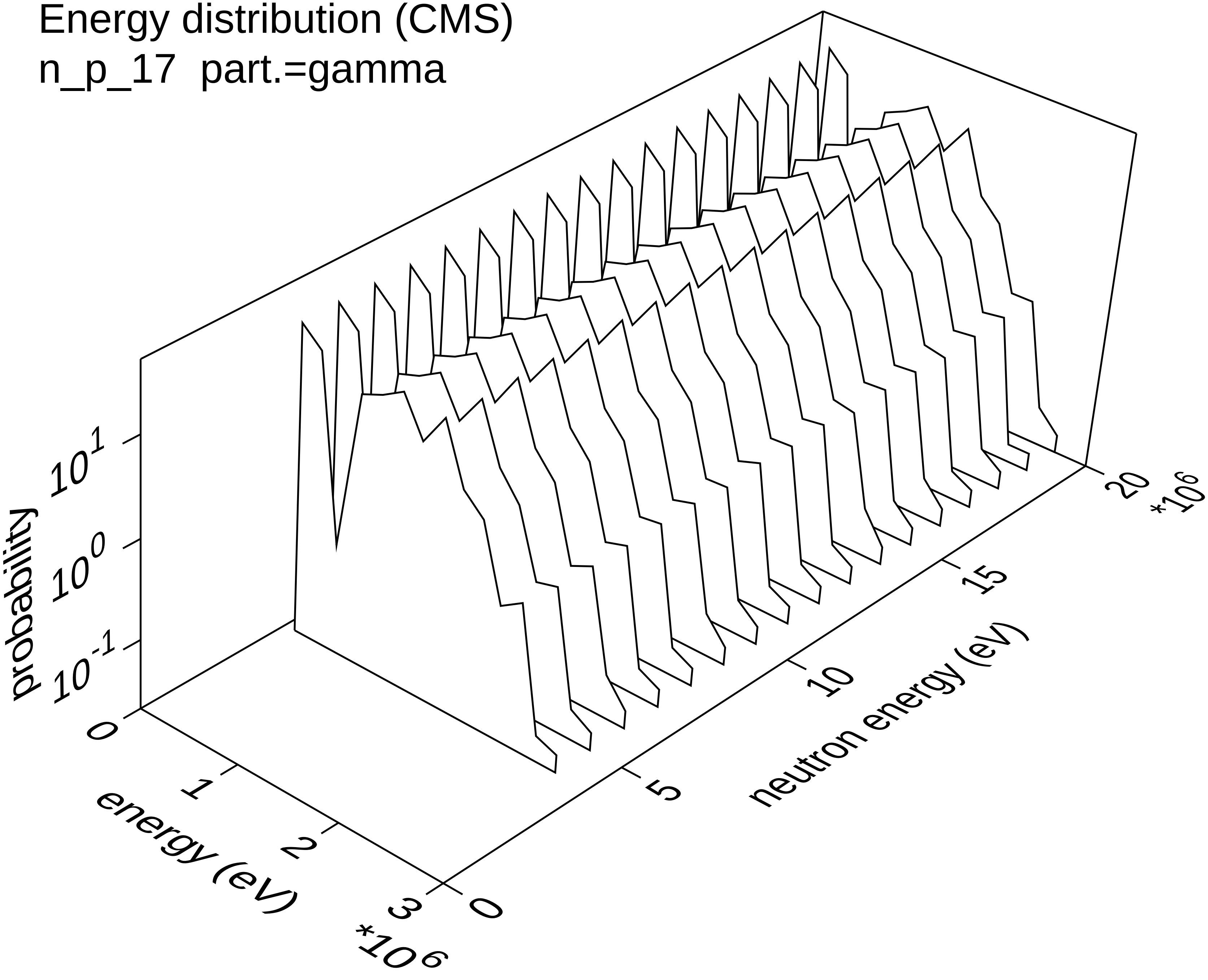
Energy distribution (CMS)
n_p_16 part.=gamma



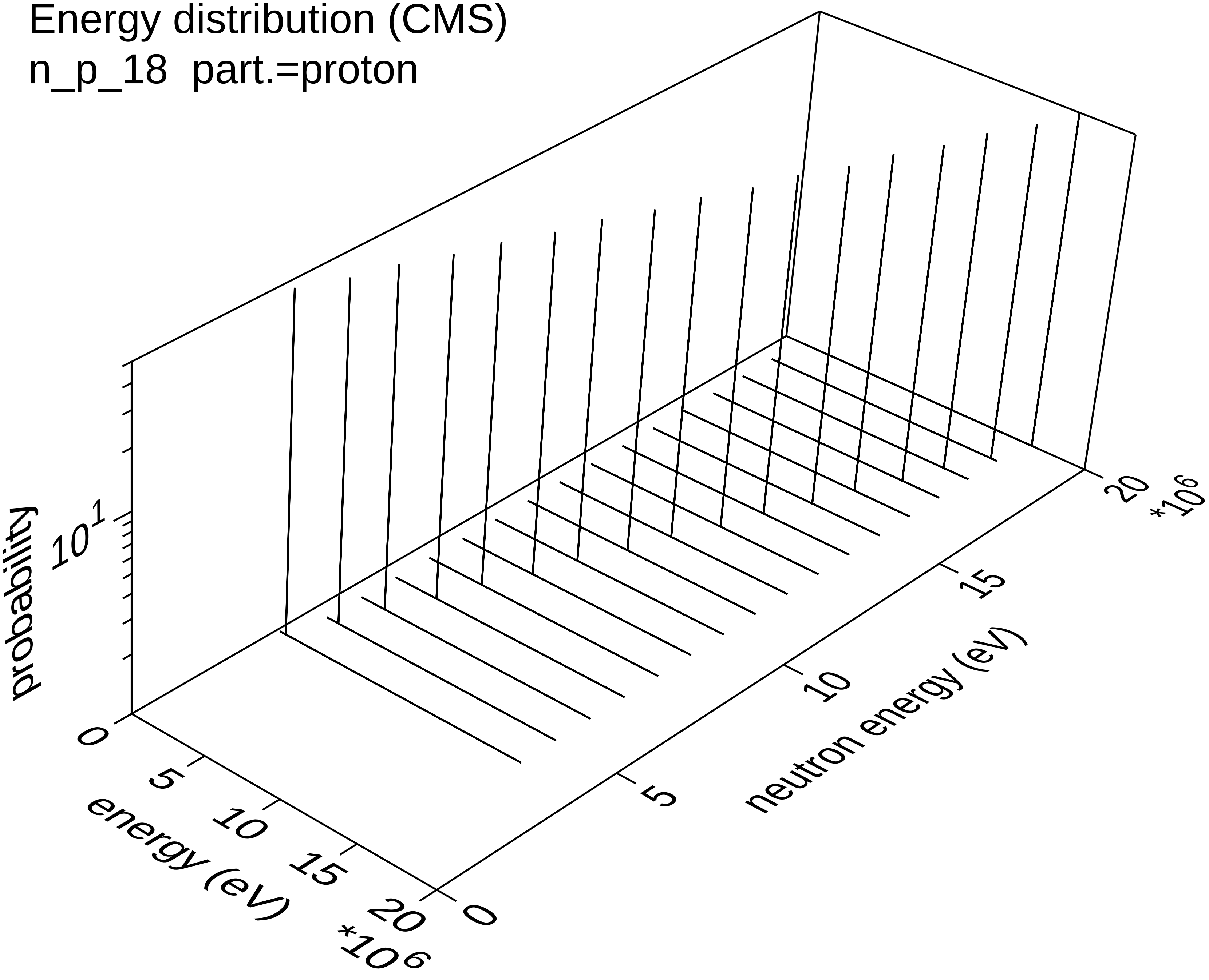
Energy distribution (CMS)
n_p_17 part.=proton

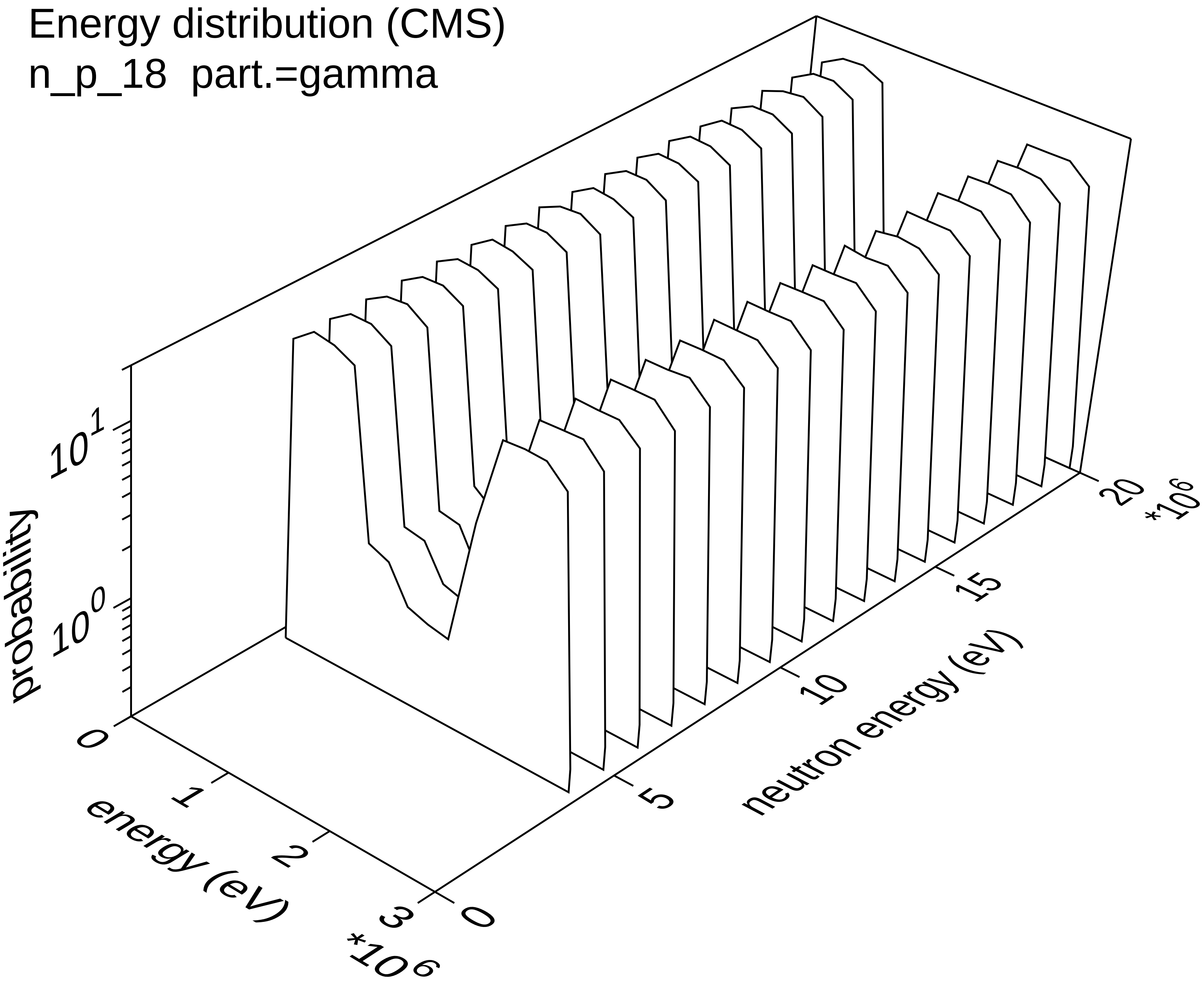


Energy distribution (CMS)
n_p_17 part.=gamma

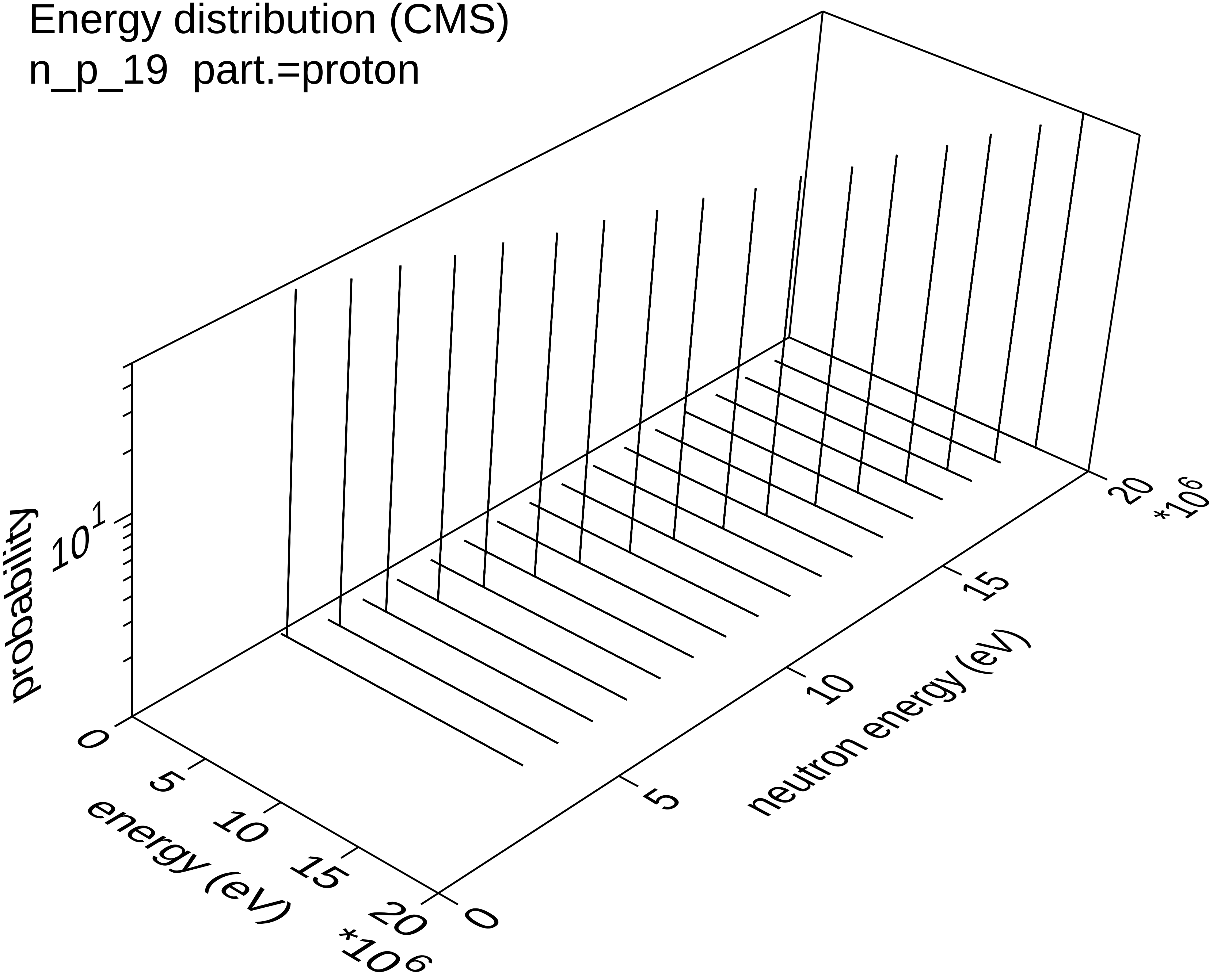


Energy distribution (CMS)
n_p_18 part.=proton

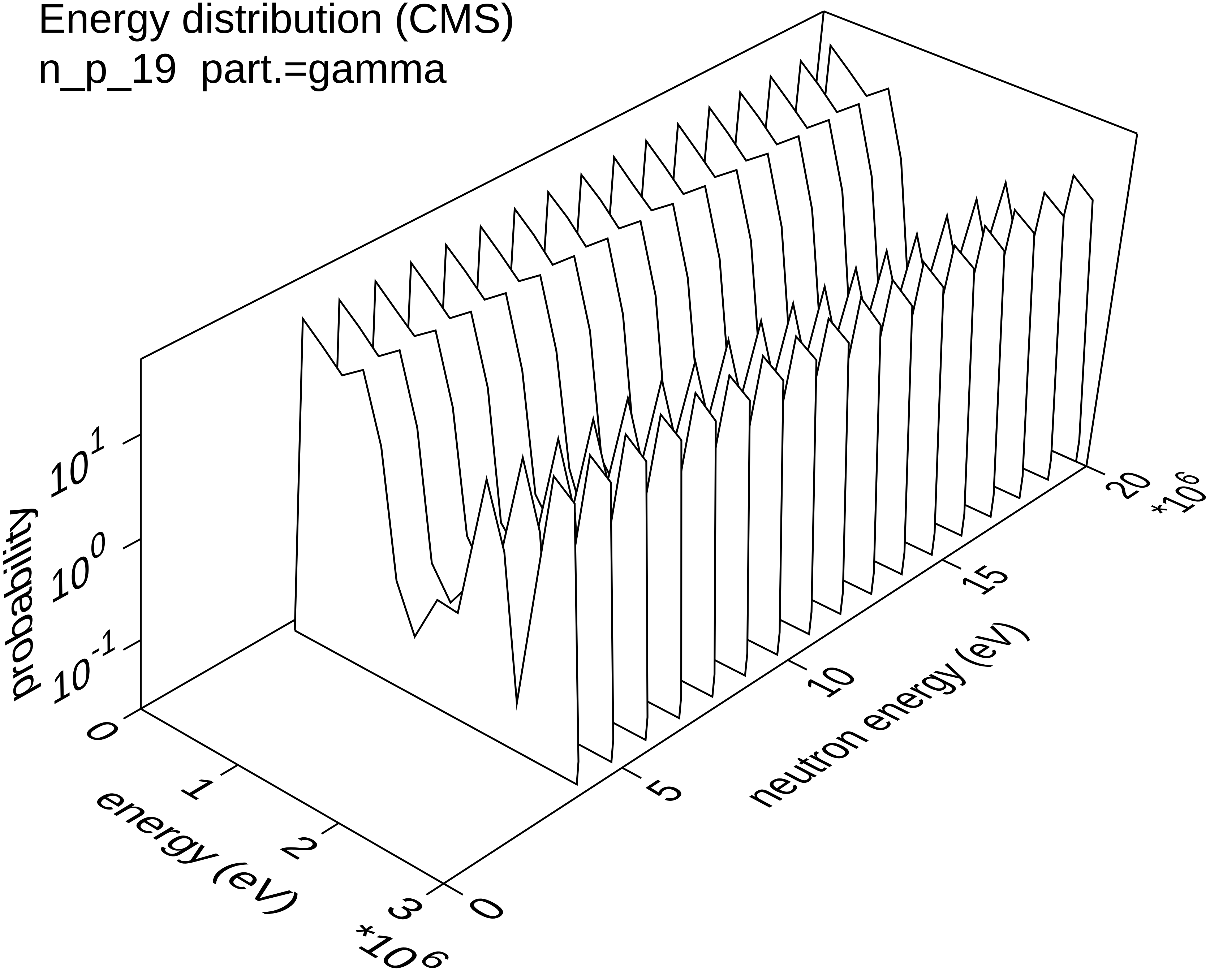



Energy distribution (CMS)
n_p_18 part.=gamma
probability
10^1
10^0
0
1
2
3
*10^6
energy (eV)
0
5
10
15
20
*10^6
neutron energy (eV)

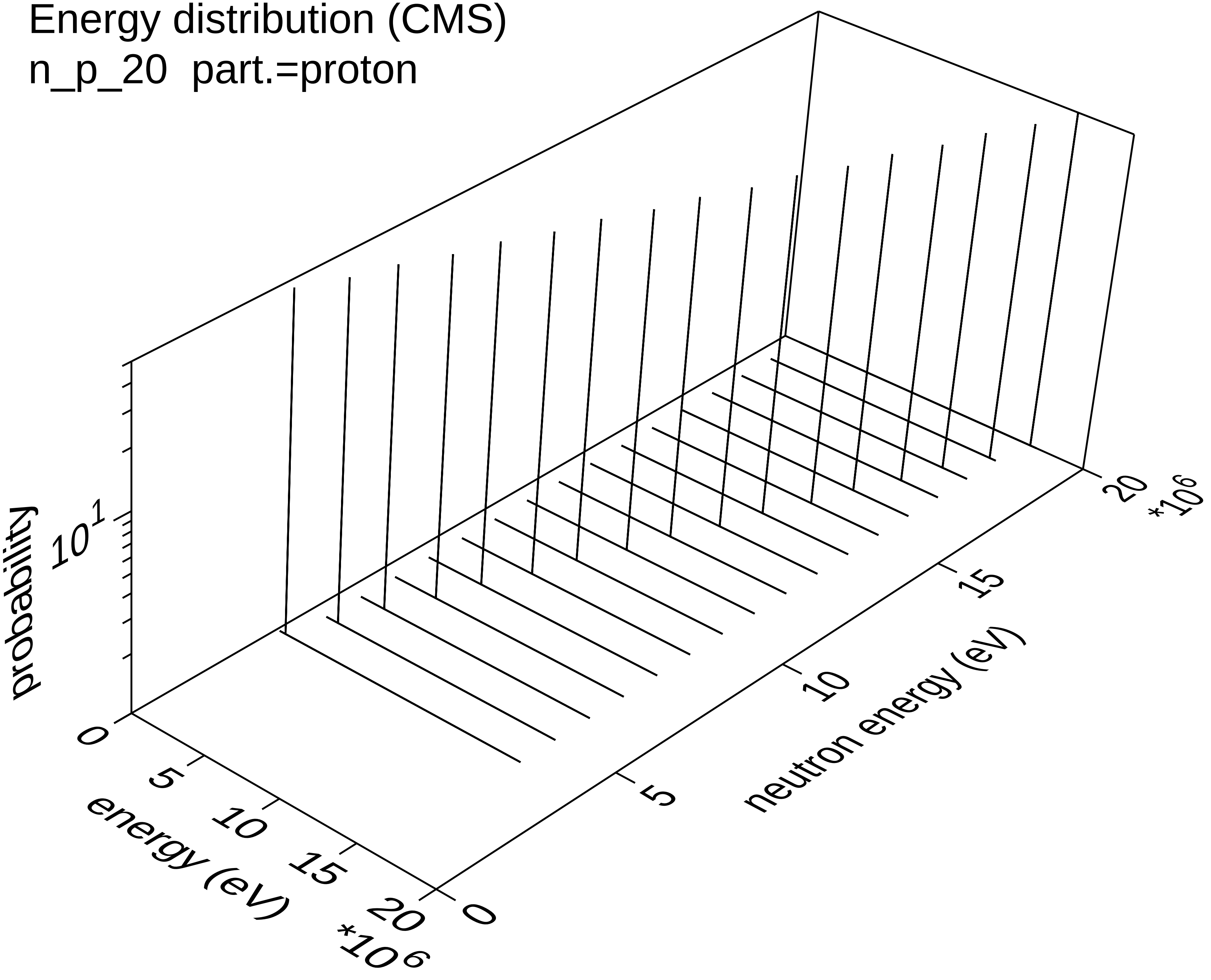
Energy distribution (CMS)
n_p_19 part.=proton



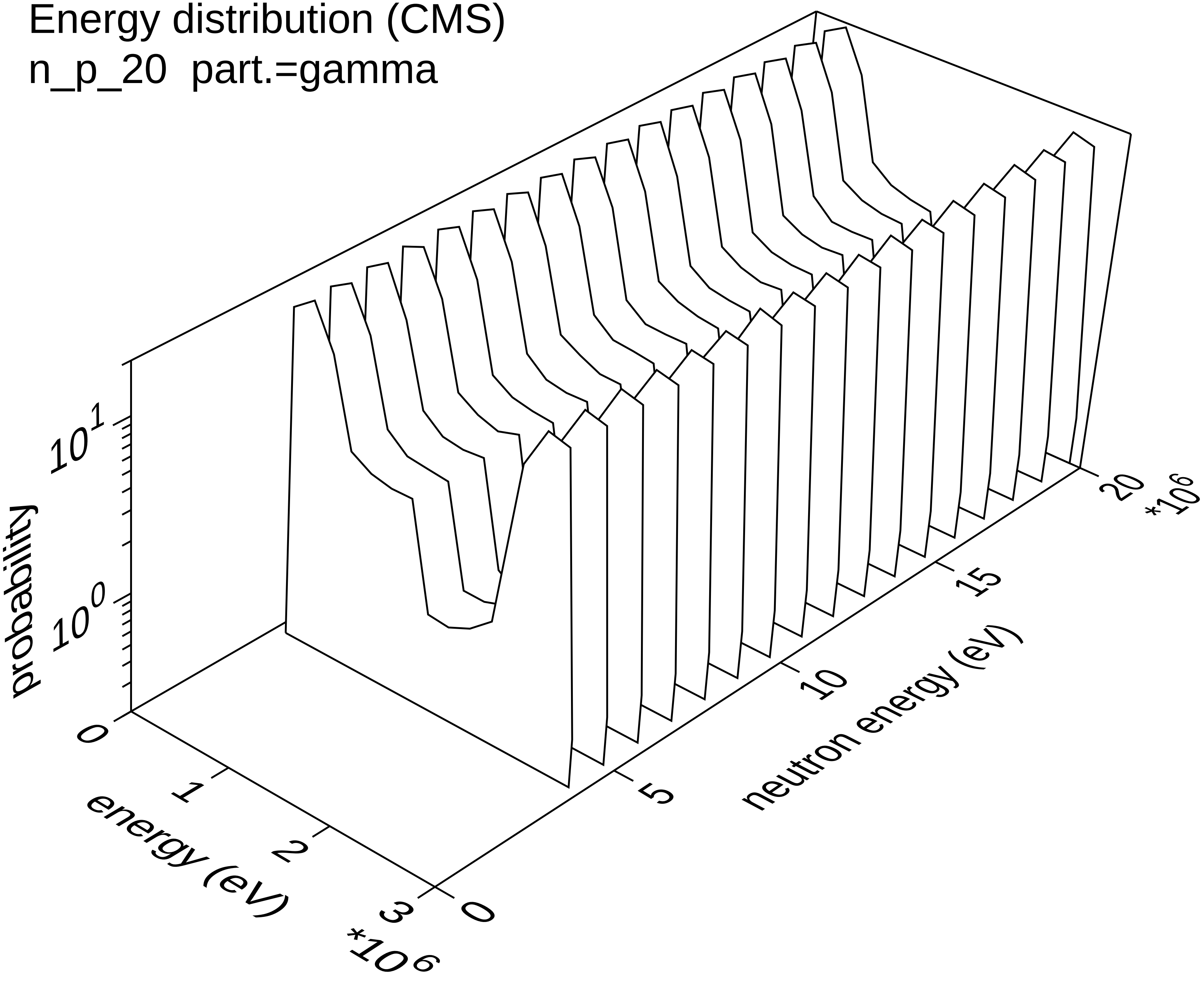
Energy distribution (CMS)
n_p_19 part.=gamma

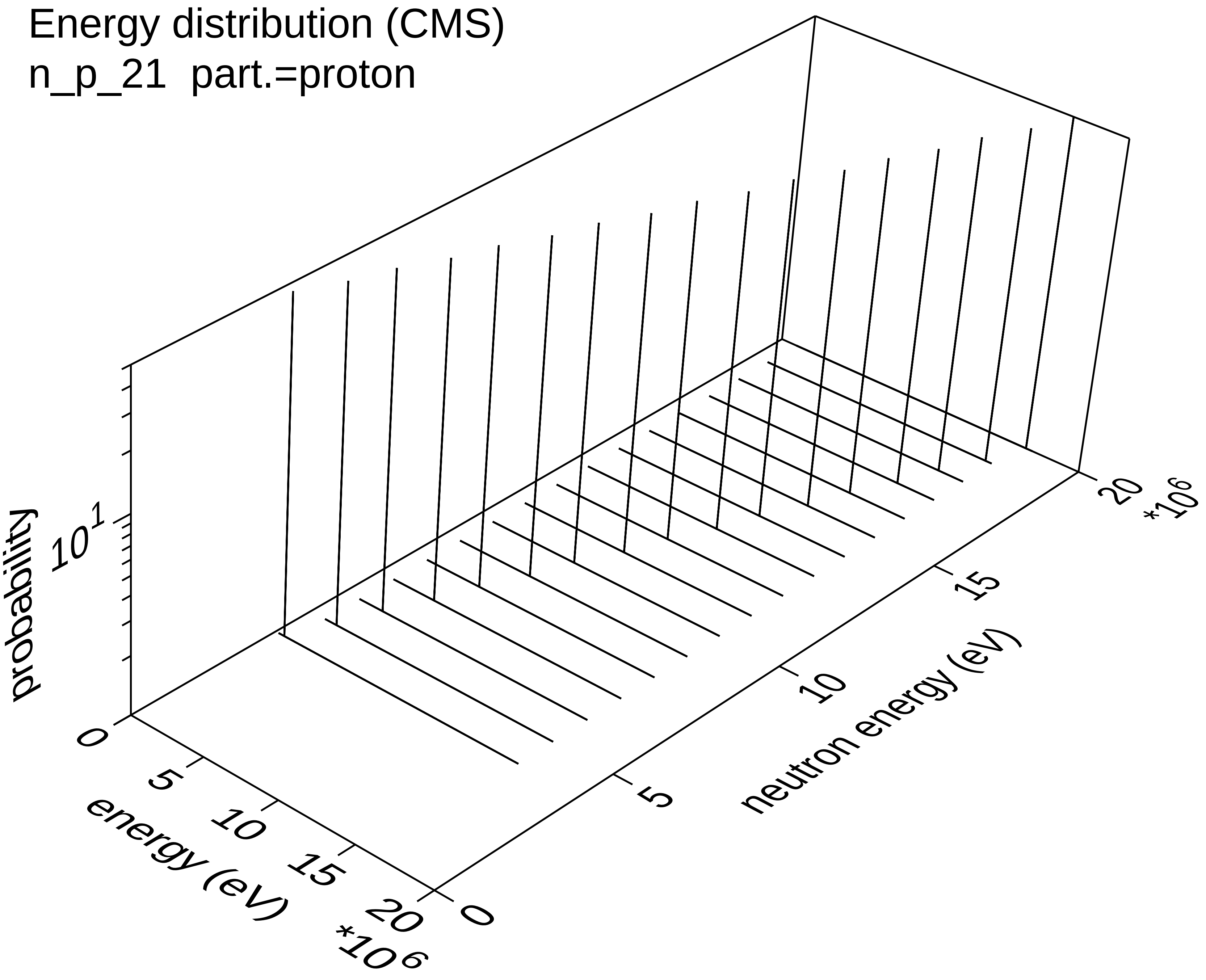


Energy distribution (CMS)
n_p_20 part.=proton



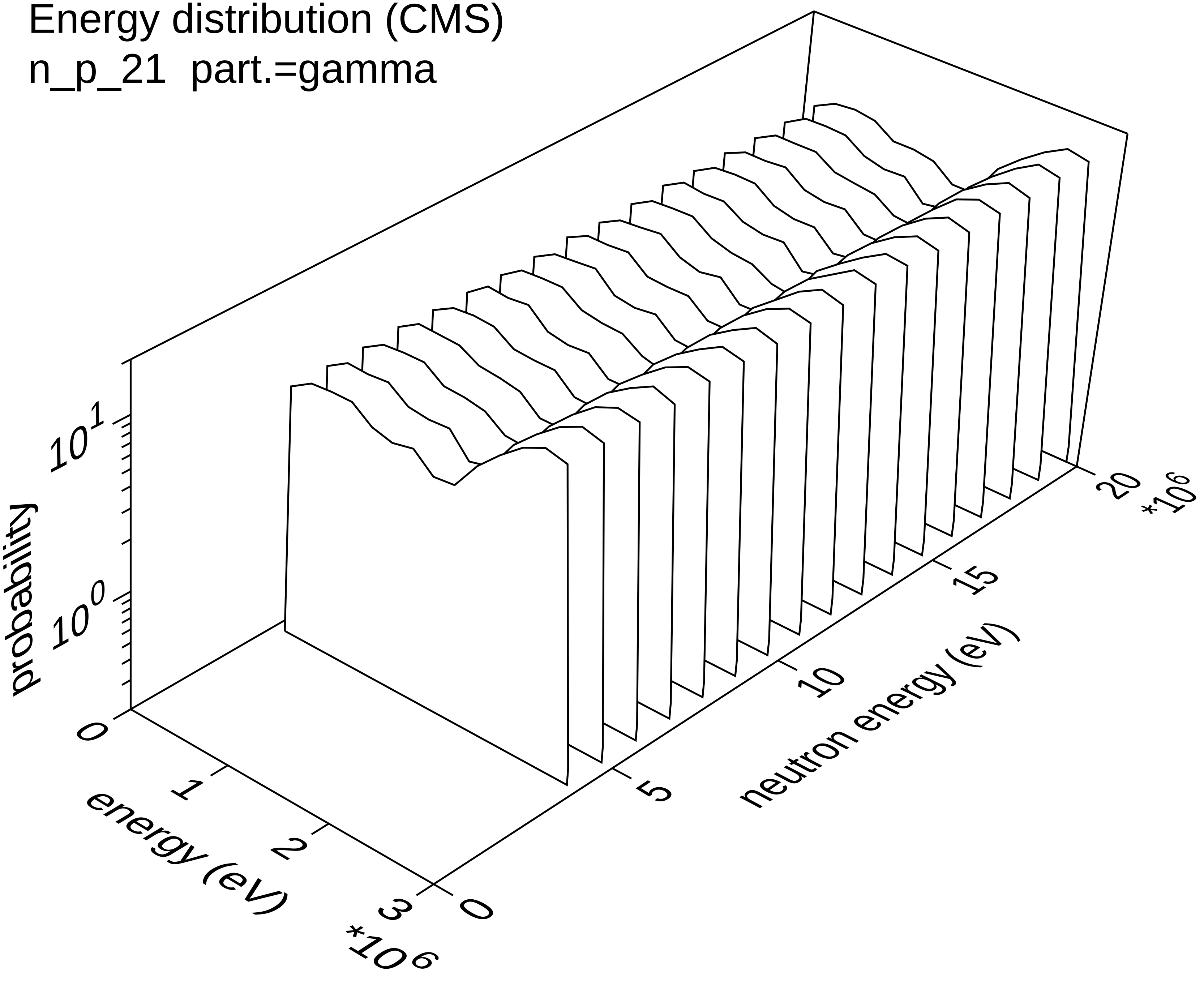
Energy distribution (CMS)
n_p_20 part.=gamma



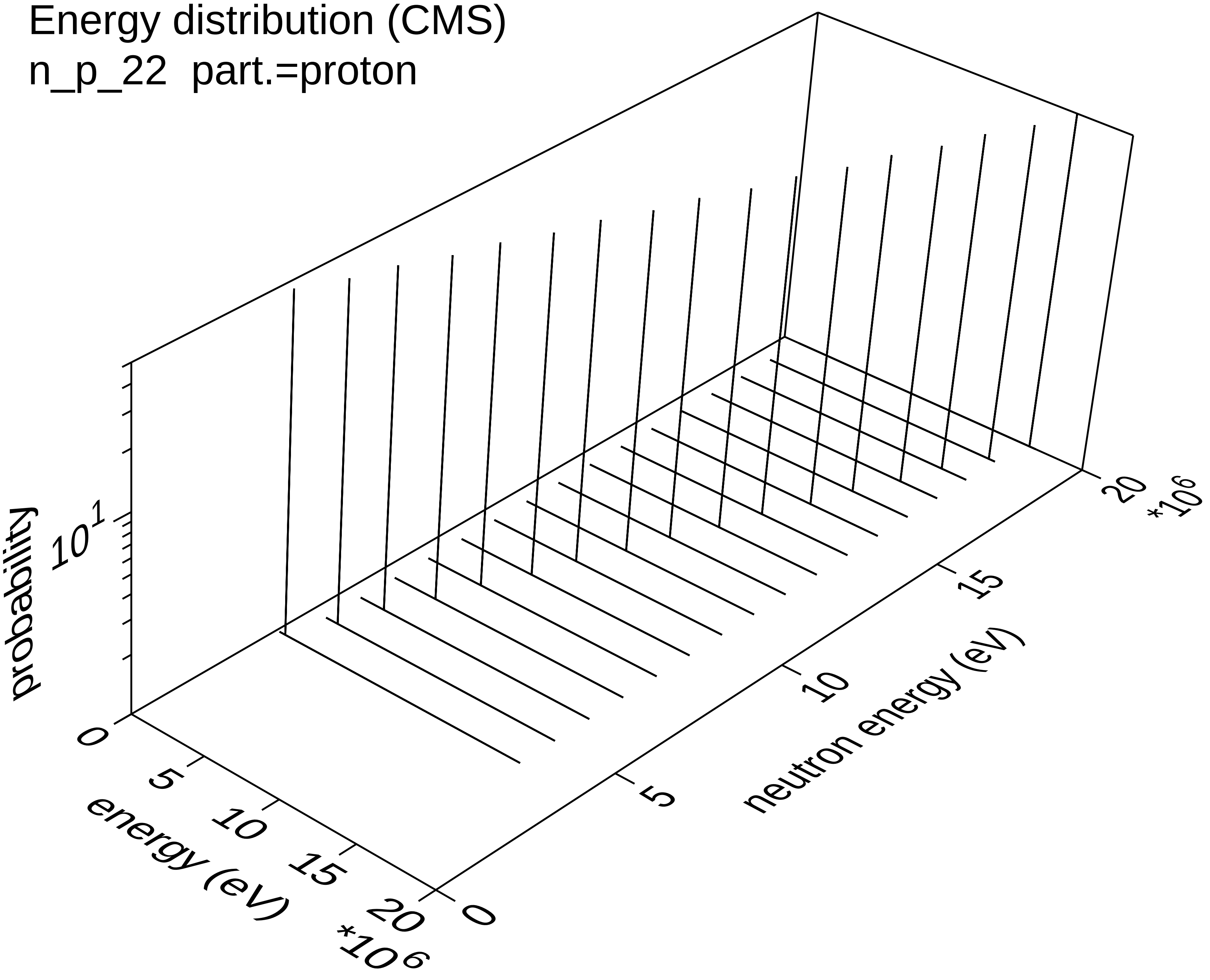


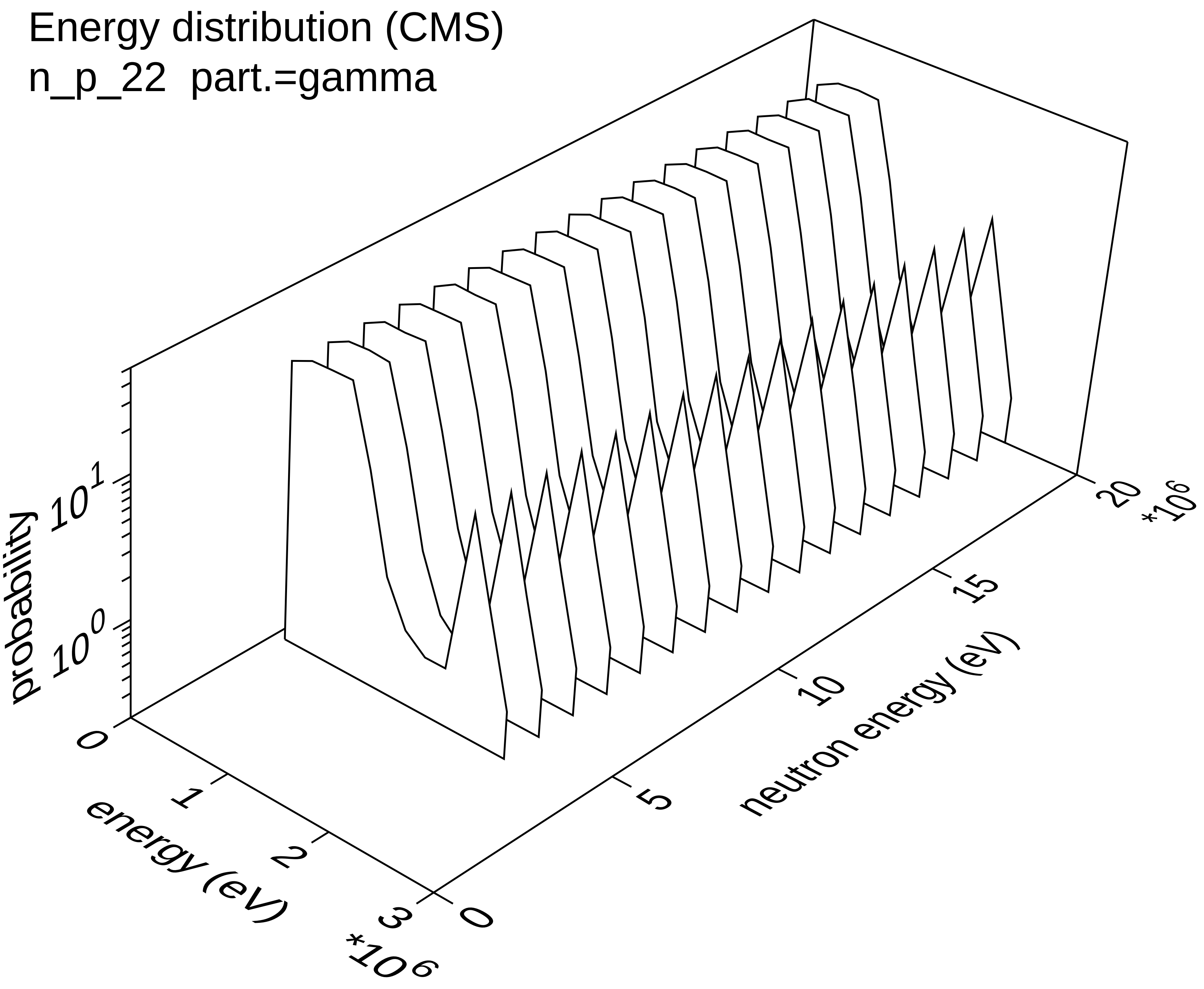
Energy distribution (CMS)
n_p_21 part.=proton

Energy distribution (CMS)
n_p_21 part.=gamma

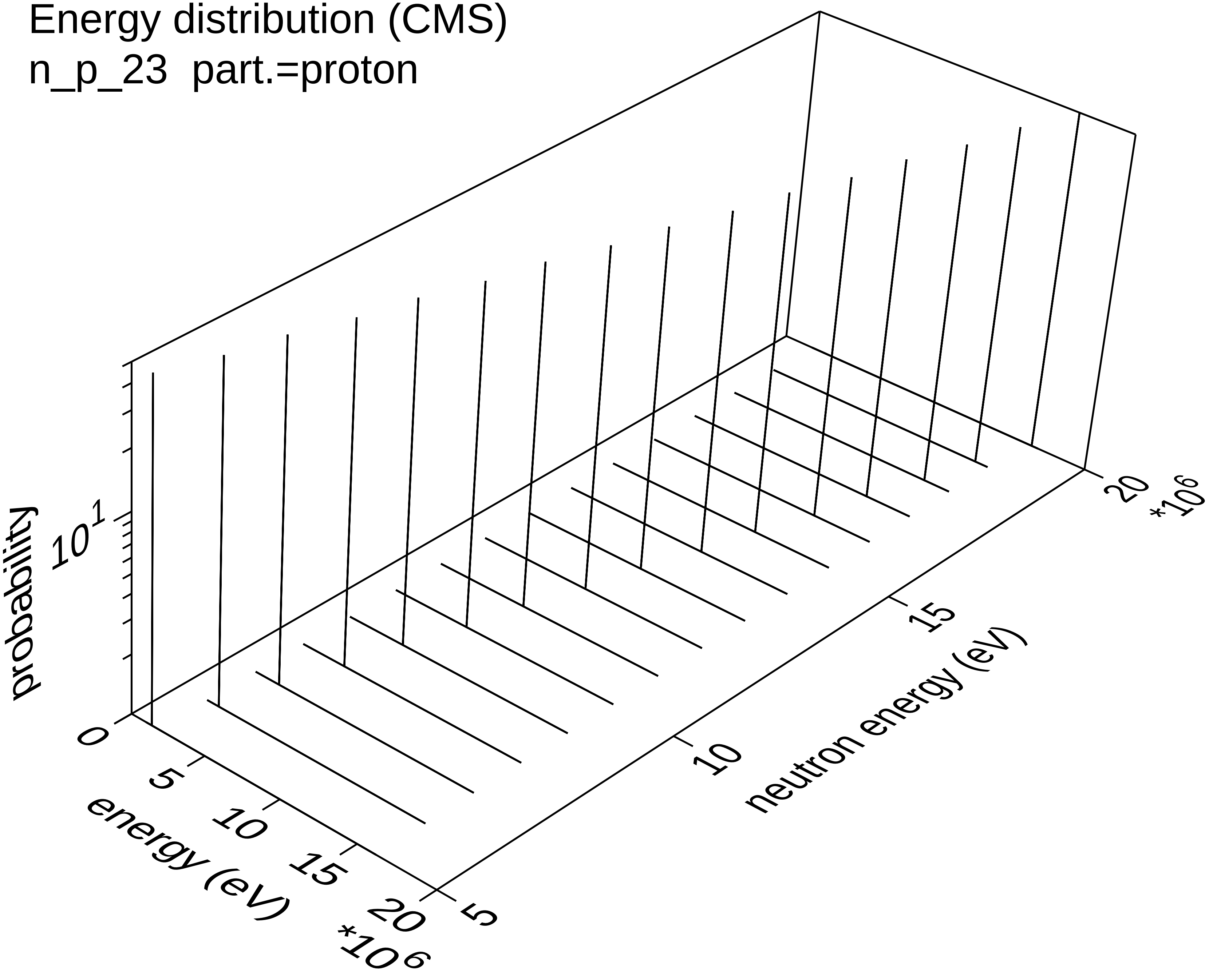


Energy distribution (CMS)
n_p_22 part.=proton

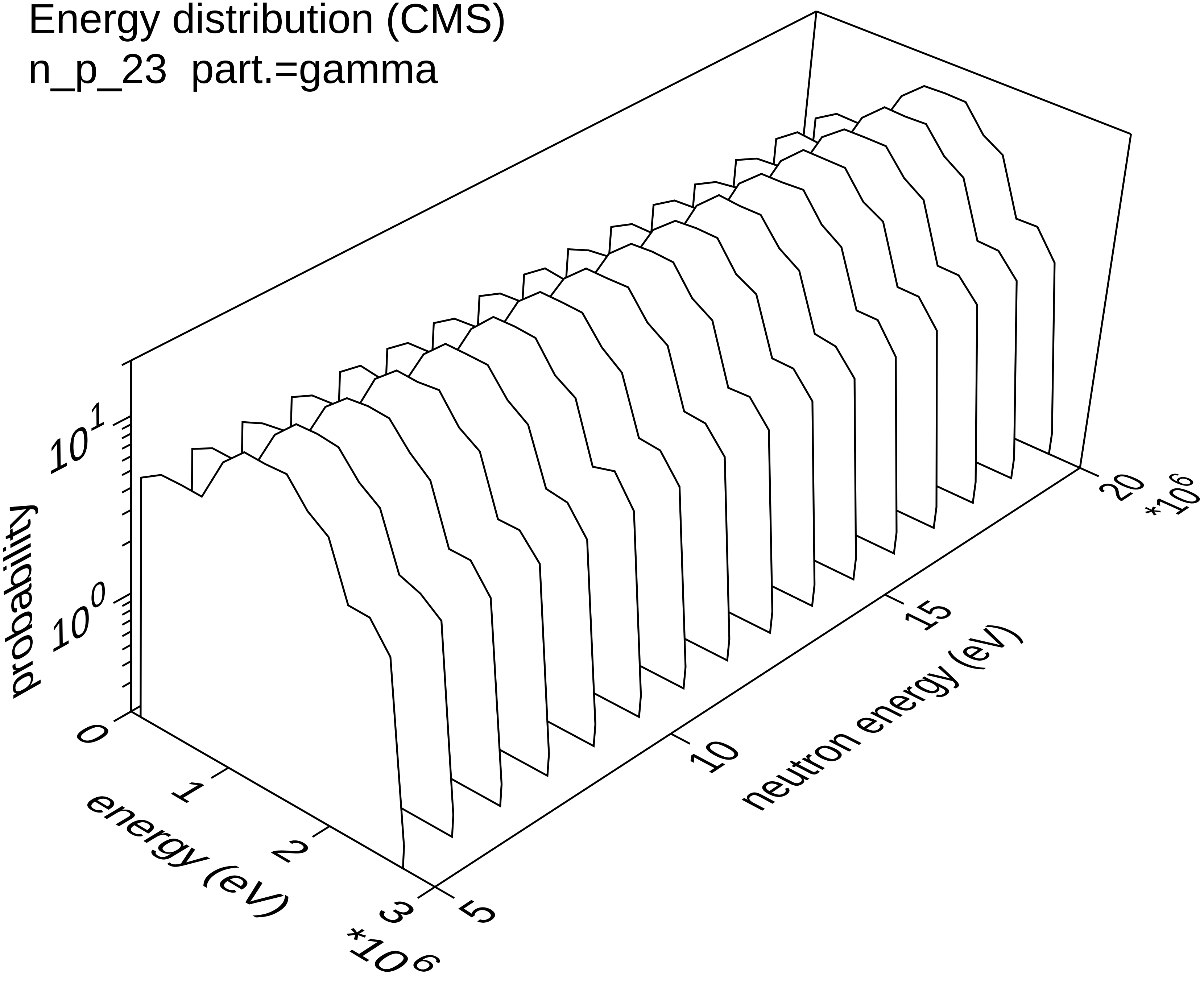



Energy distribution (CMS)
n_p_22 part.=gamma
probability
10^1
10^0
0
1
2
3
energy (eV)
$*10^6$
0
5
10
15
20
$*10^6$
neutron energy (eV)

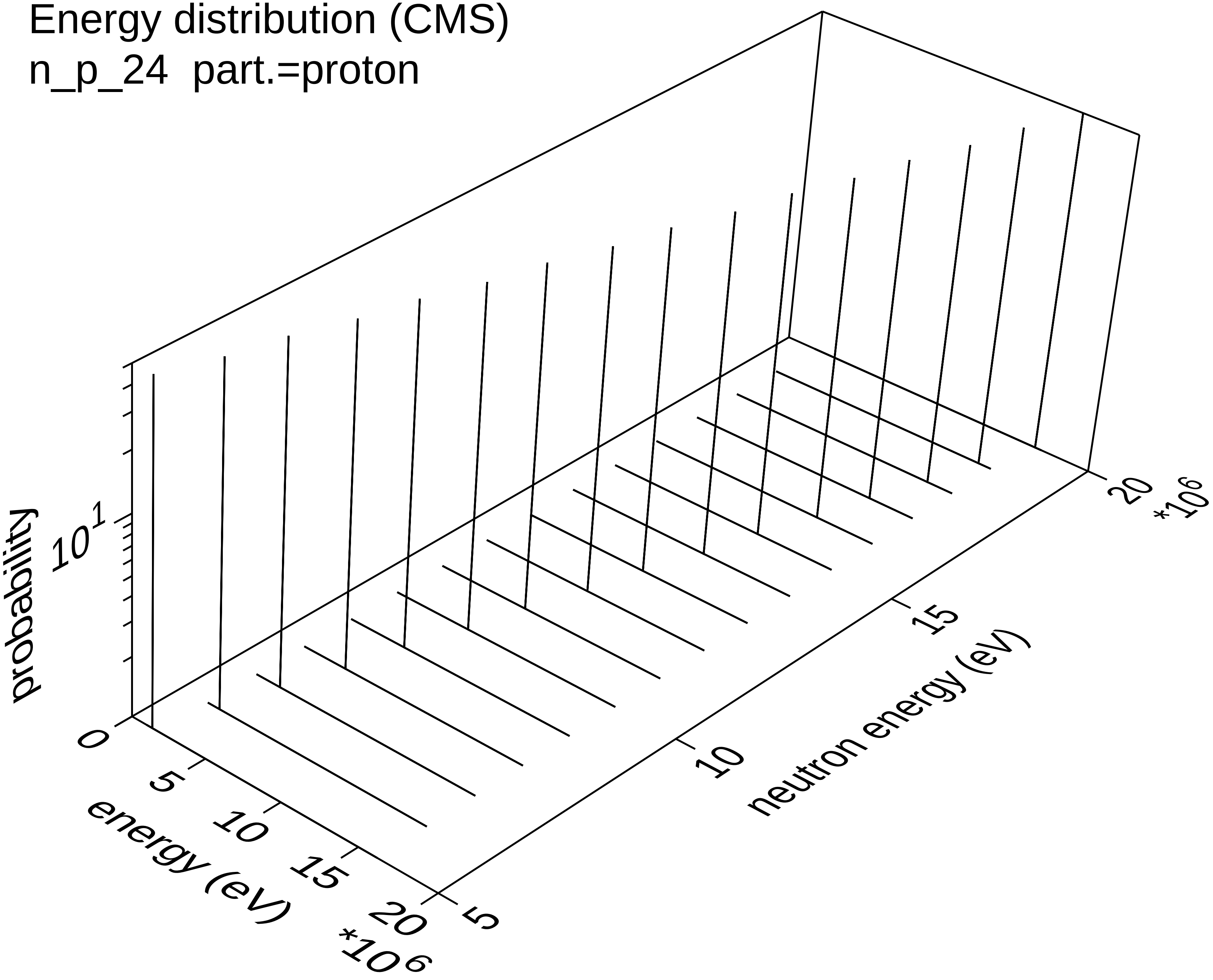
Energy distribution (CMS)
n_p_23 part.=proton

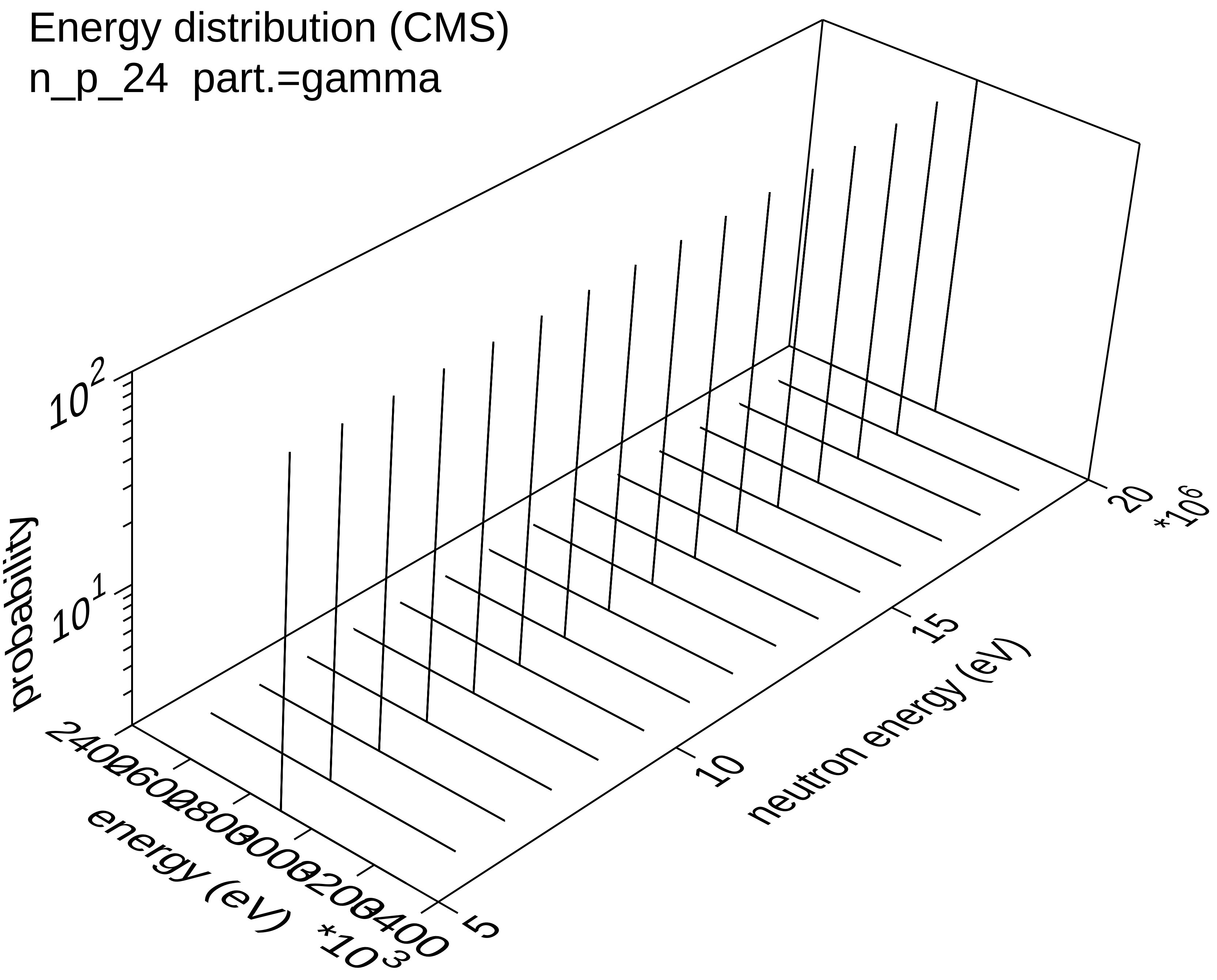


Energy distribution (CMS)
n_p_23 part.=gamma

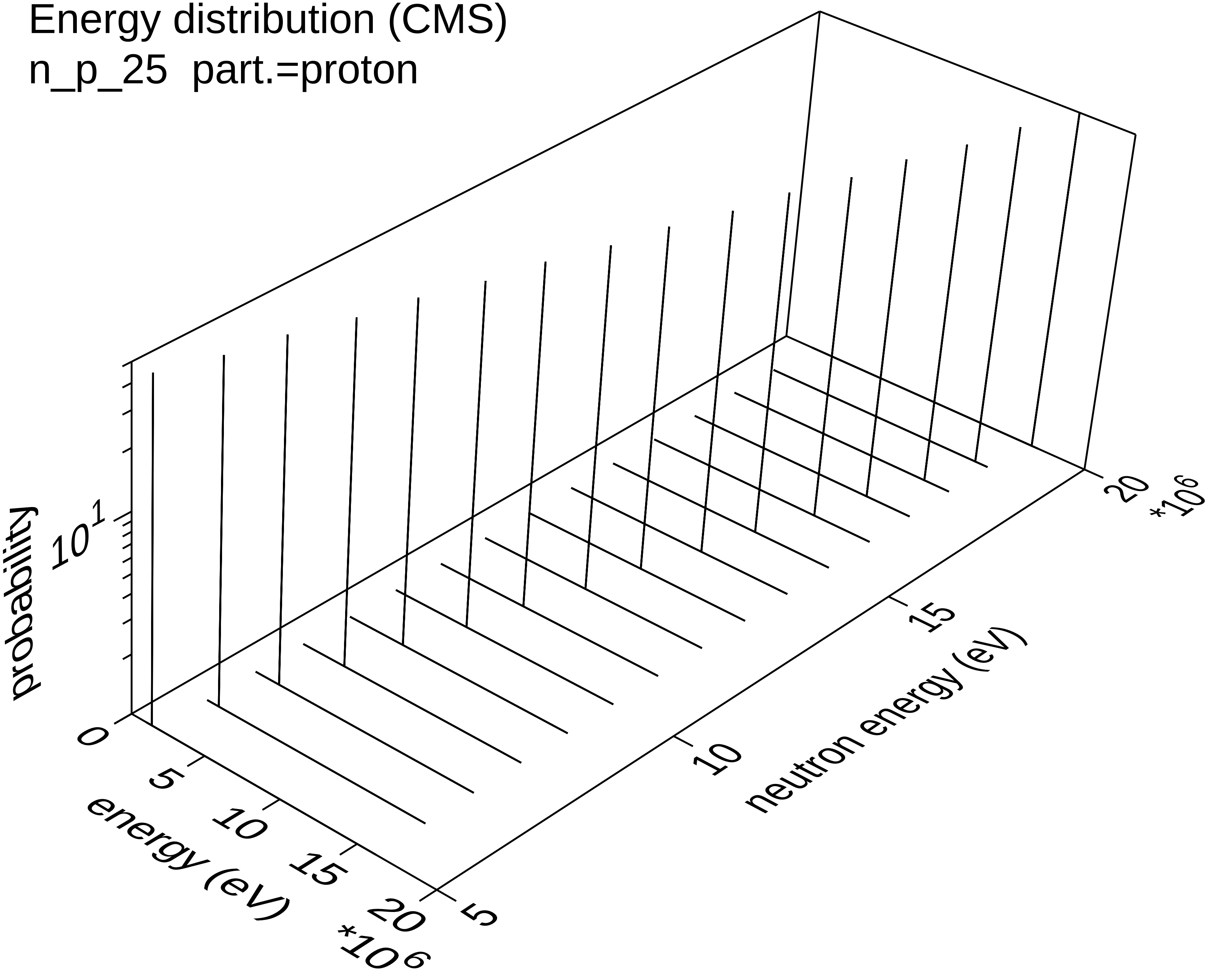


Energy distribution (CMS)
n_p_24 part.=proton

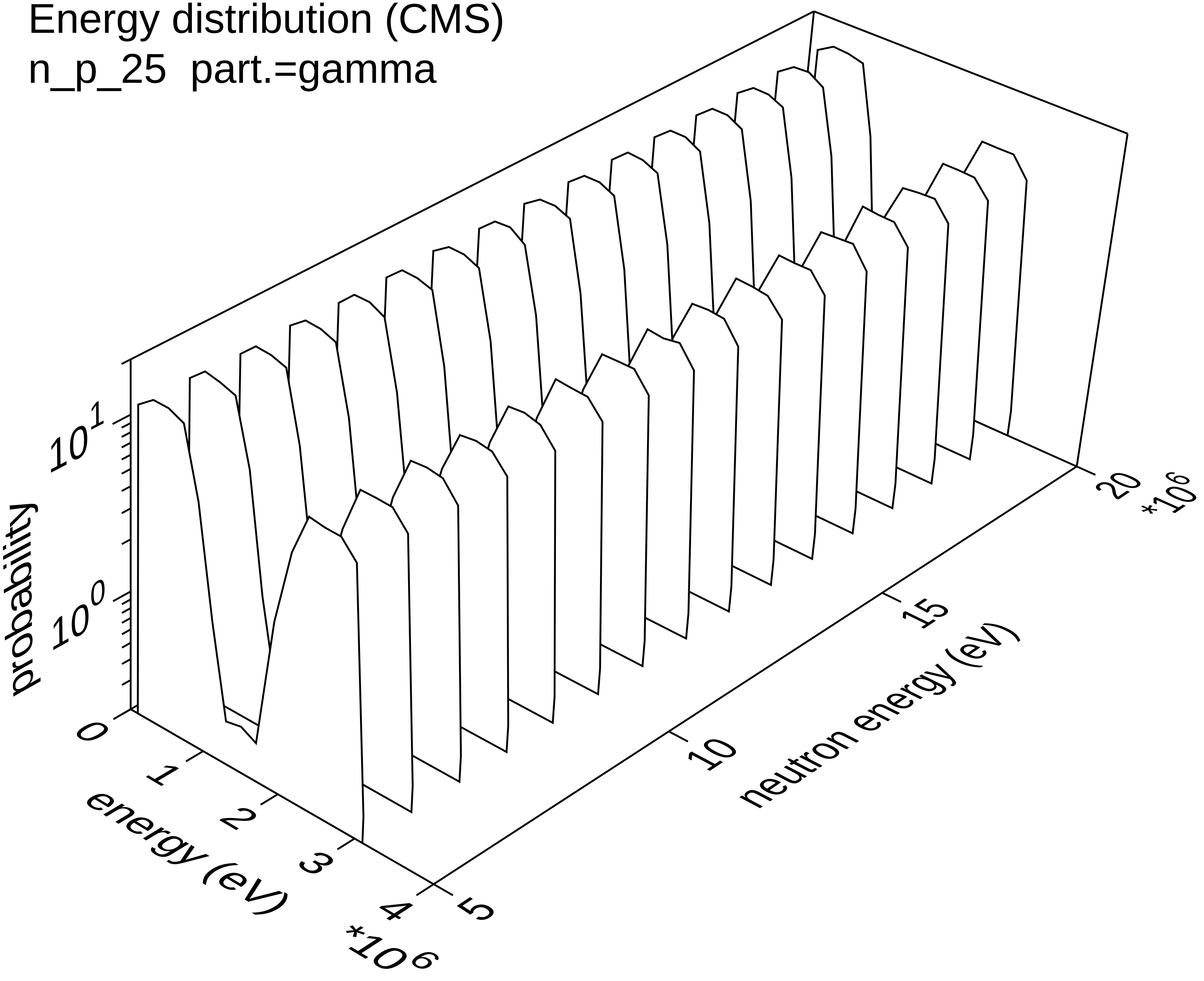



Energy distribution (CMS)
n_p_24 part.=gamma
probability
10^2
10^1
2400
2600
2800
3000
3200
3400
energy (eV) $*10^3$
5
10
15
20
$*10^6$
neutron energy (eV)

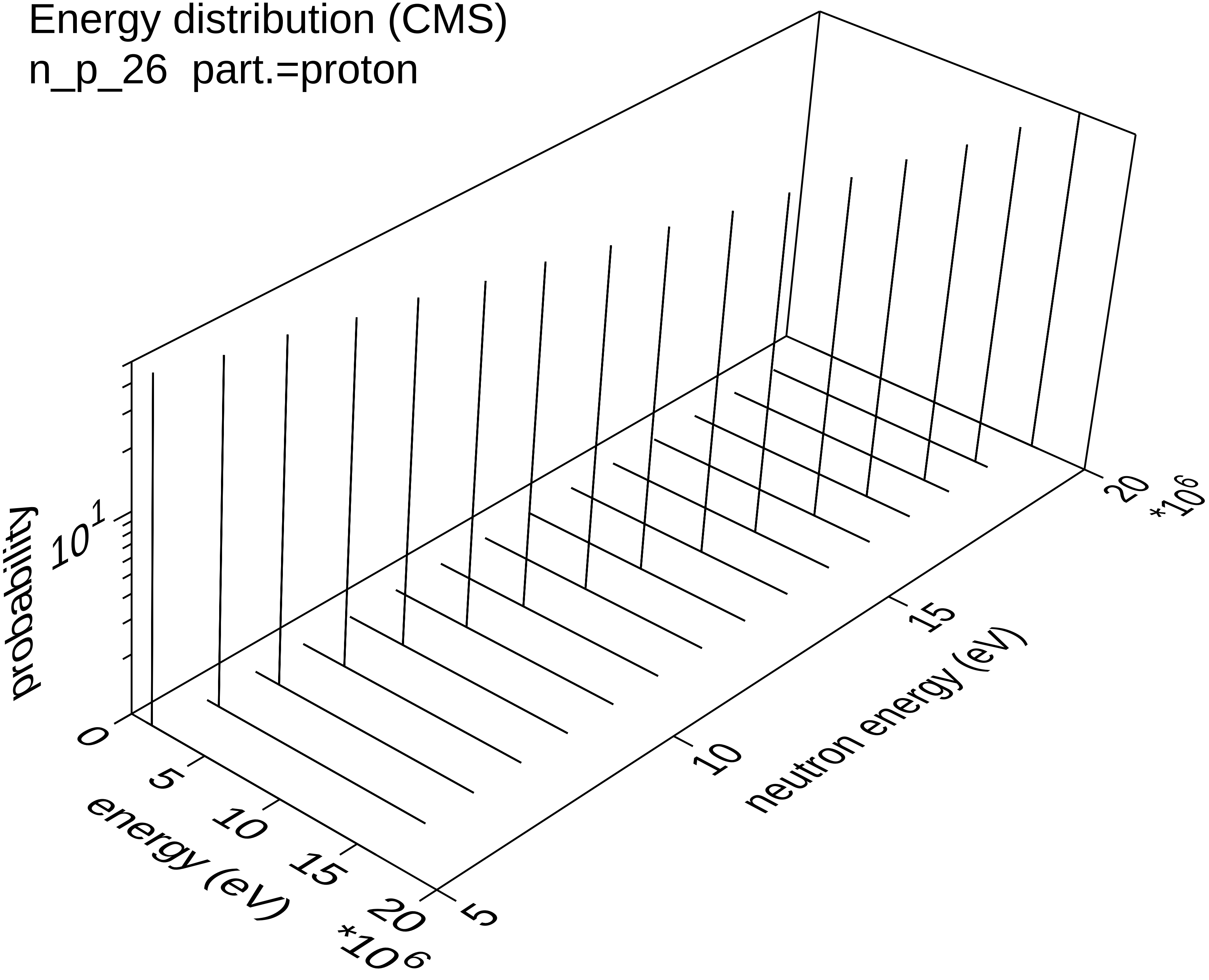
Energy distribution (CMS)
n_p_25 part.=proton



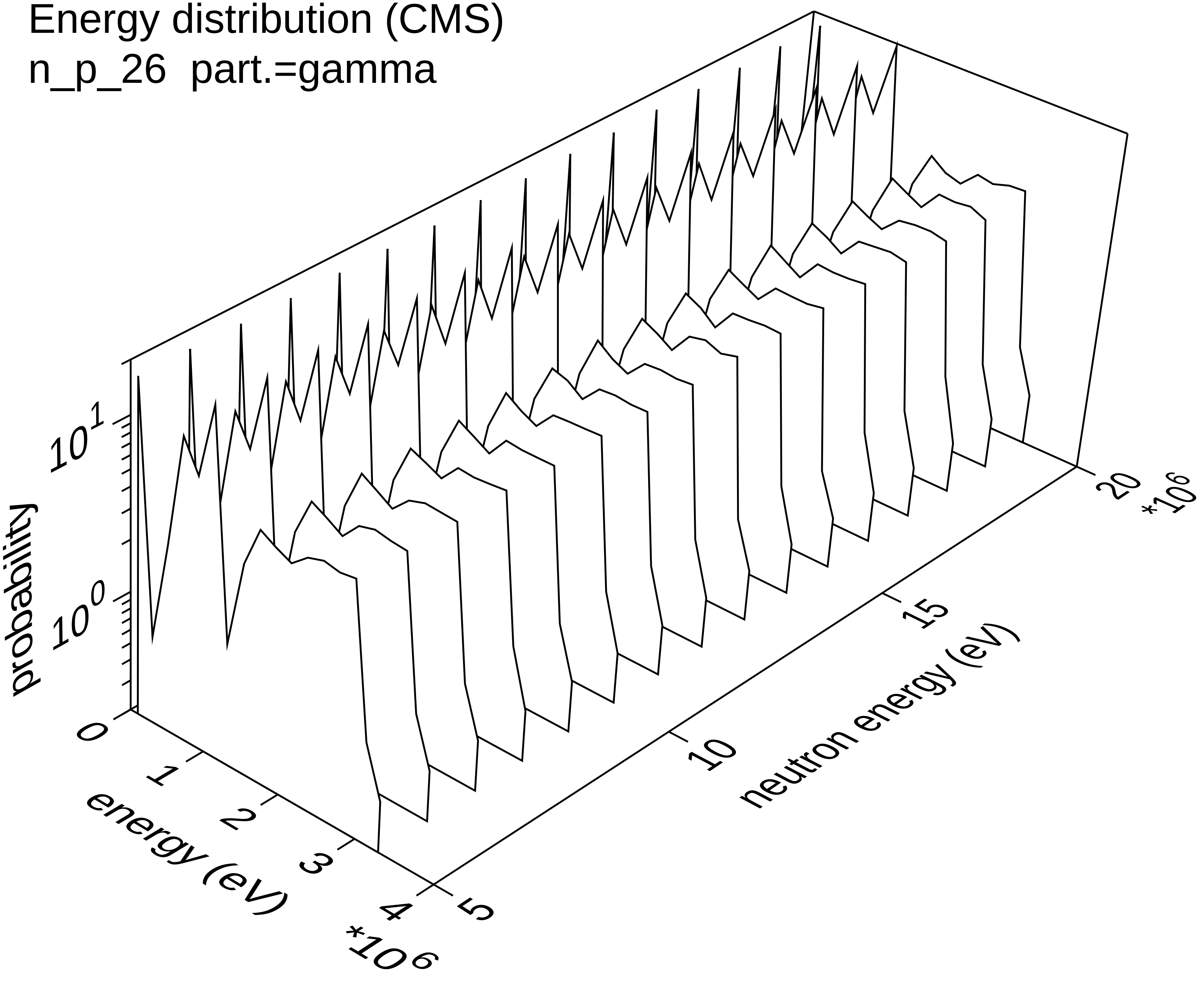
Energy distribution (CMS)
n_p_25 part.=gamma



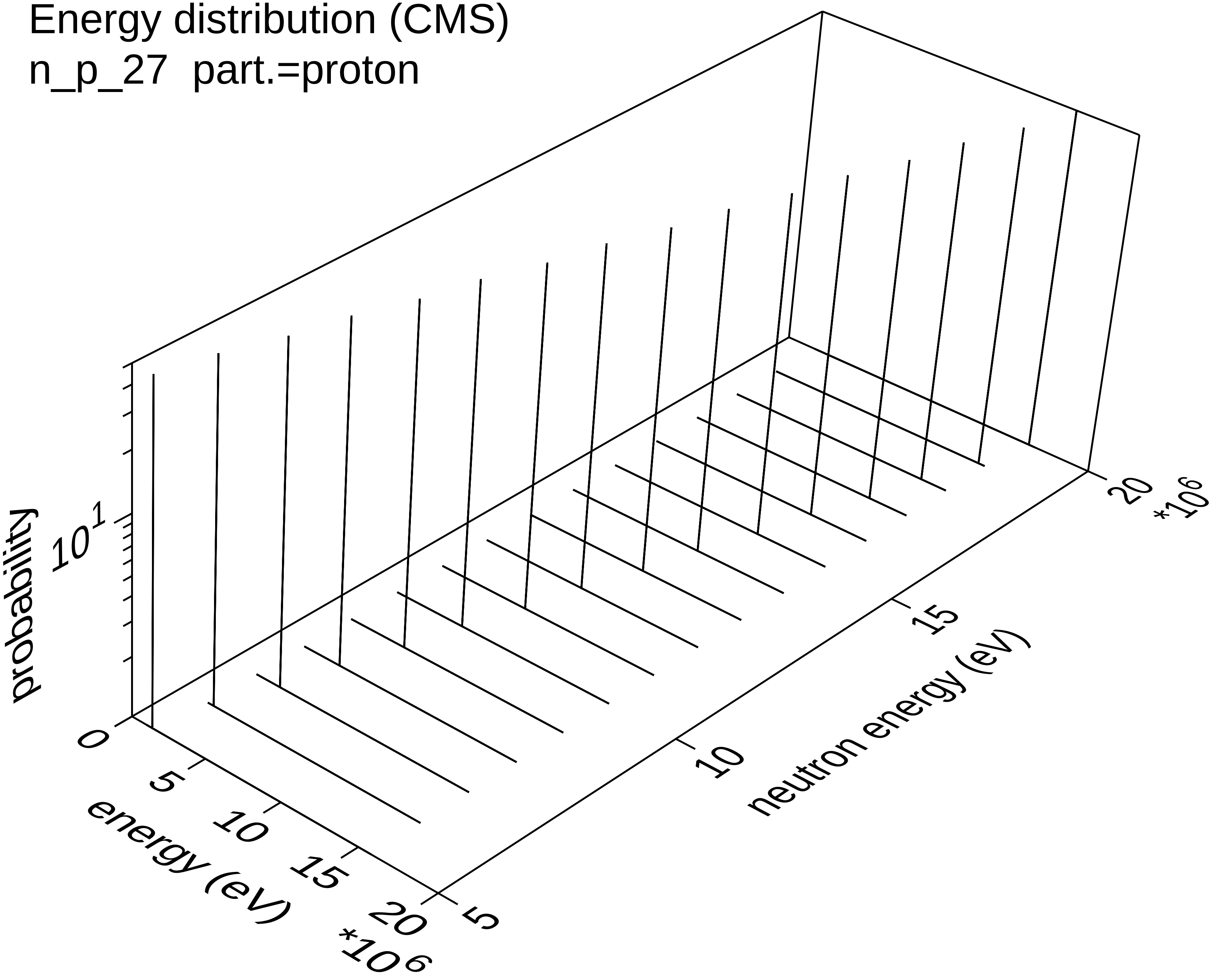
Energy distribution (CMS)
n_p_26 part.=proton



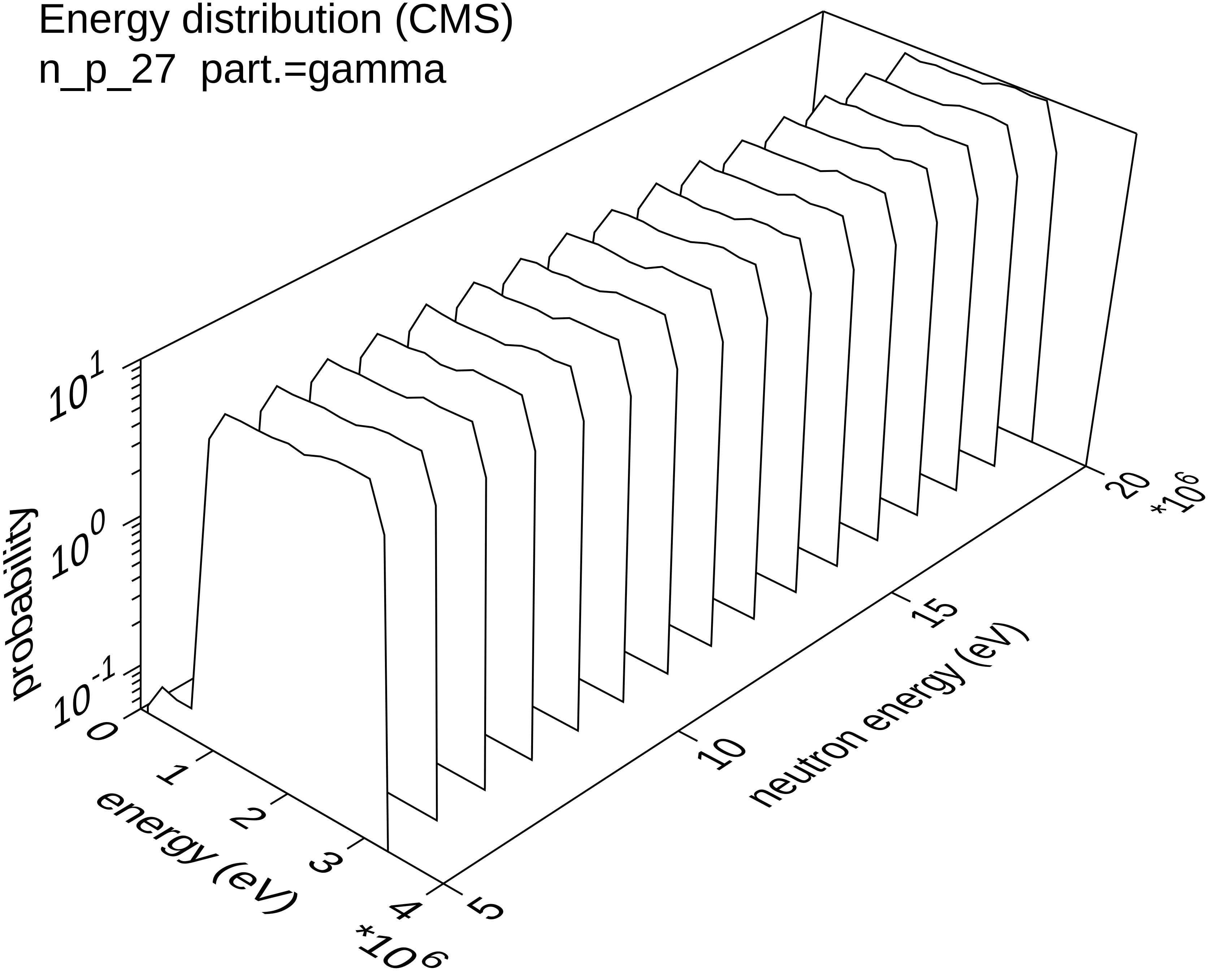
Energy distribution (CMS)
n_p_26 part.=gamma



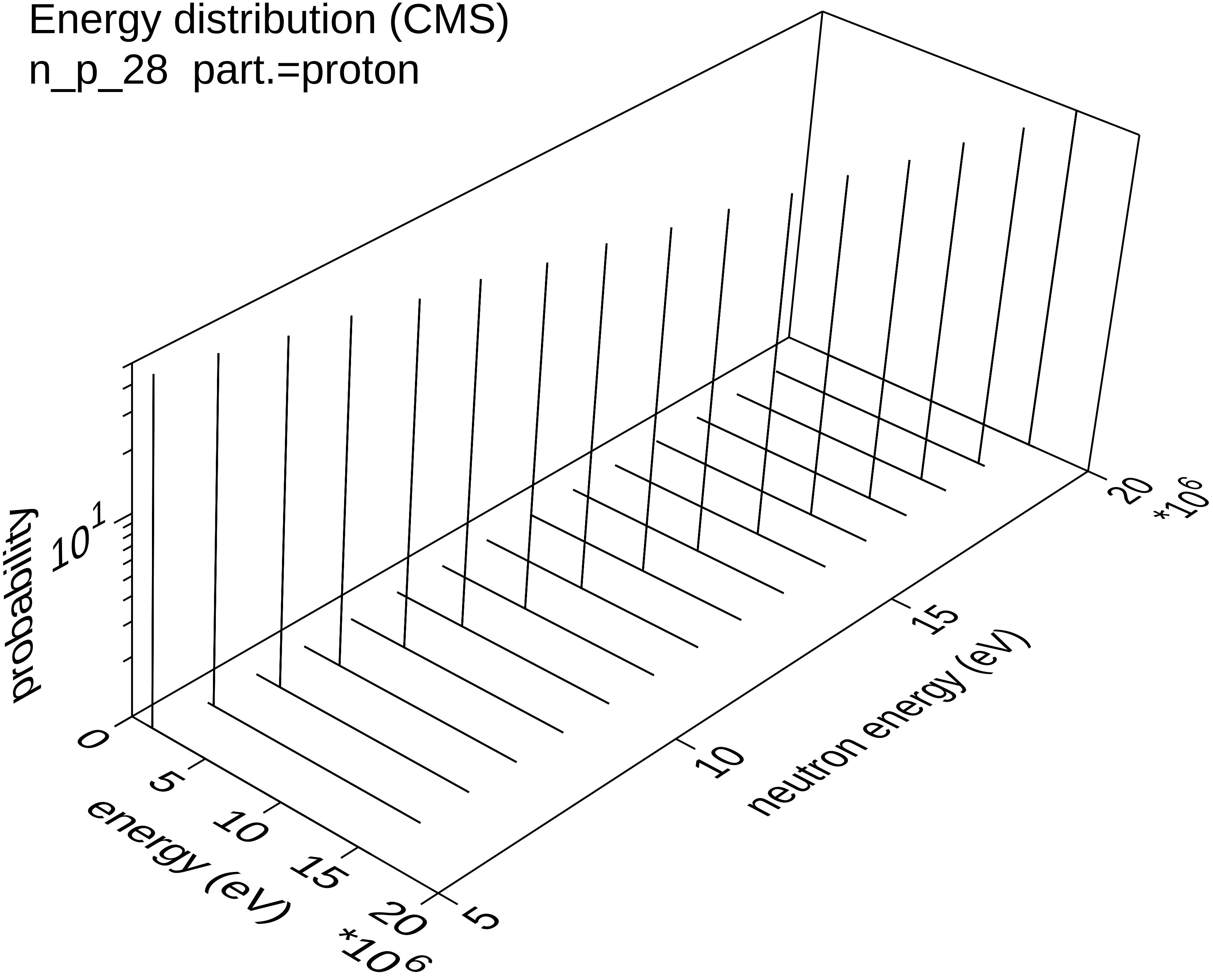
Energy distribution (CMS)
n_p_27 part.=proton



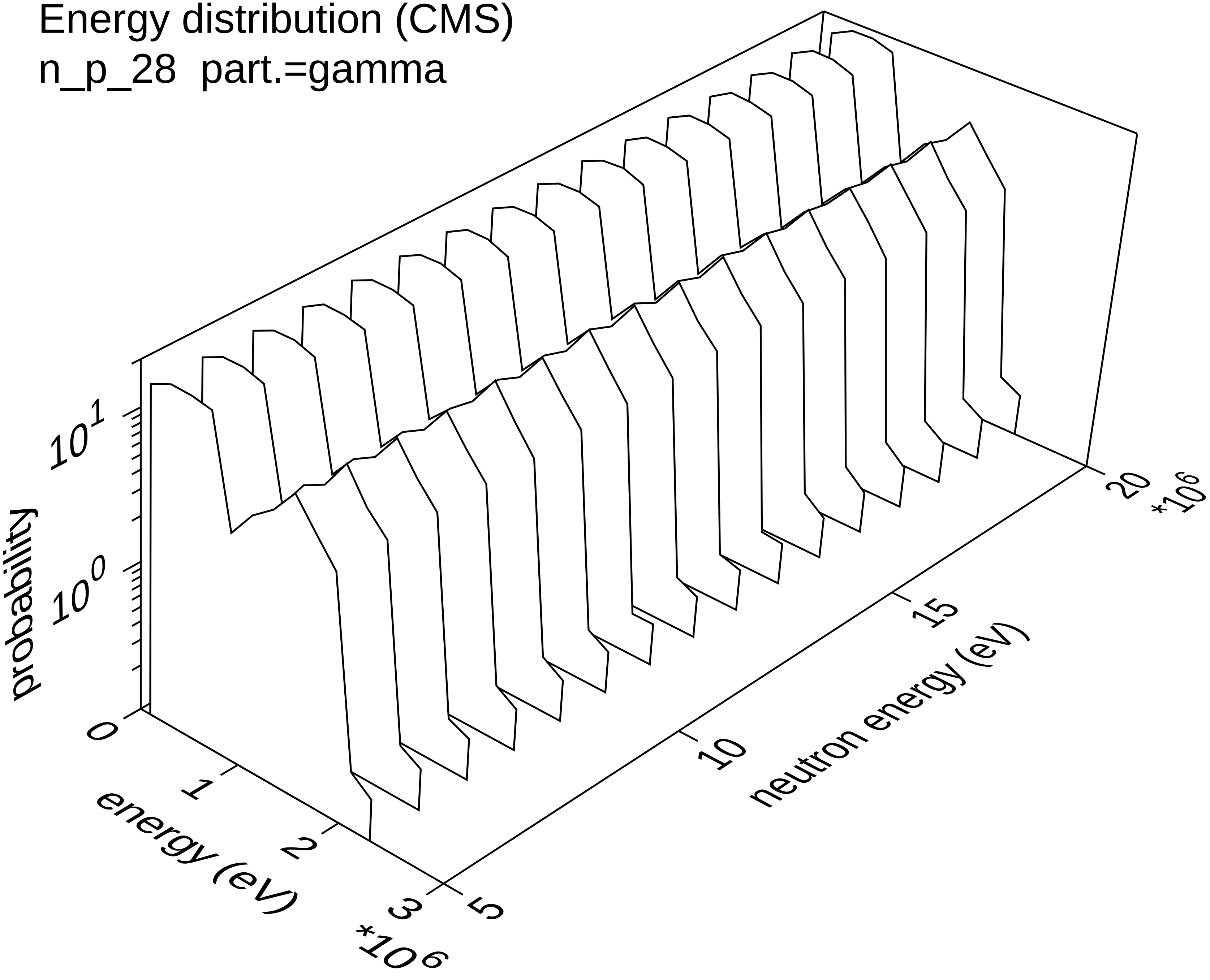
Energy distribution (CMS)
n_p_27 part.=gamma



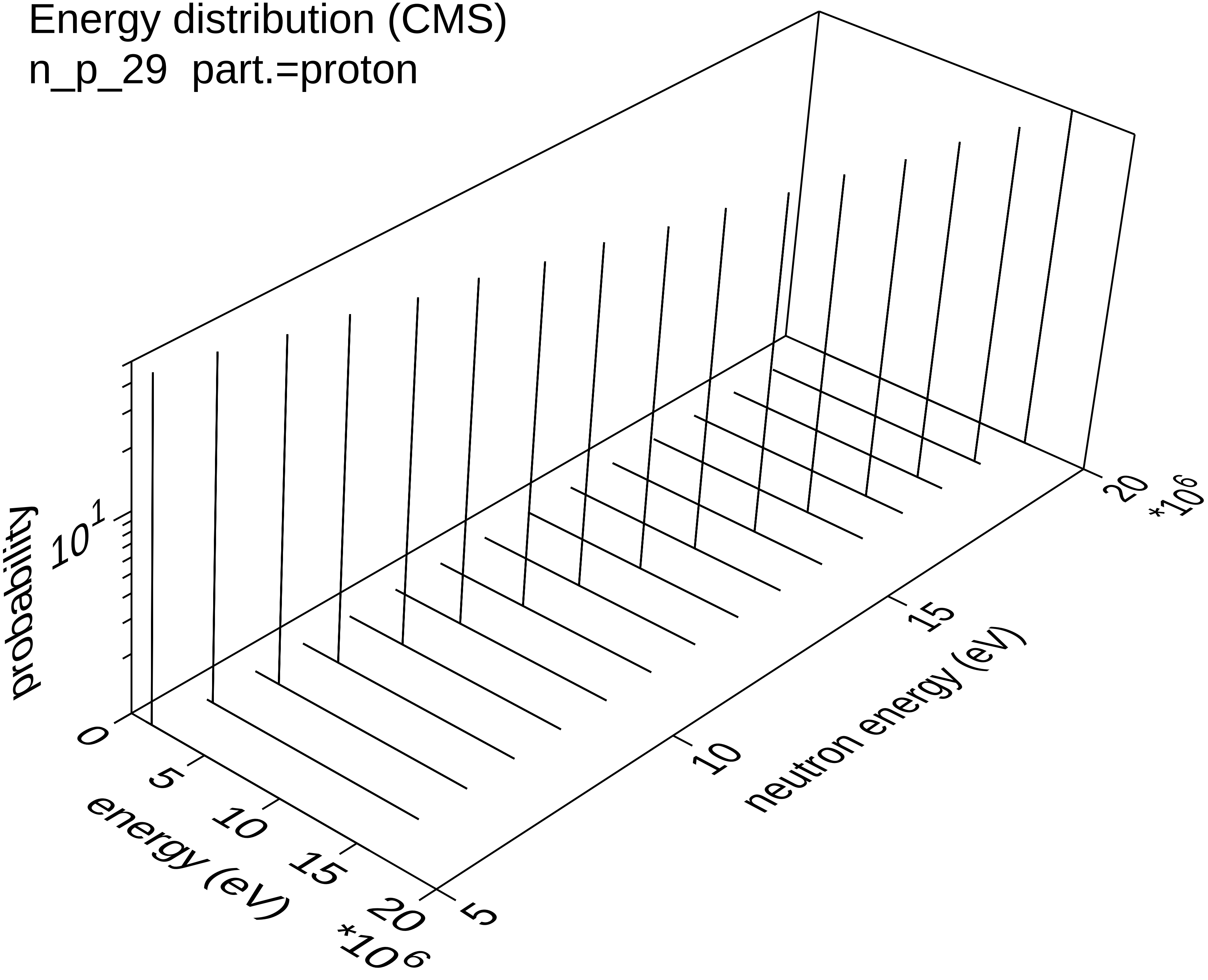
Energy distribution (CMS)
n_p_28 part.=proton



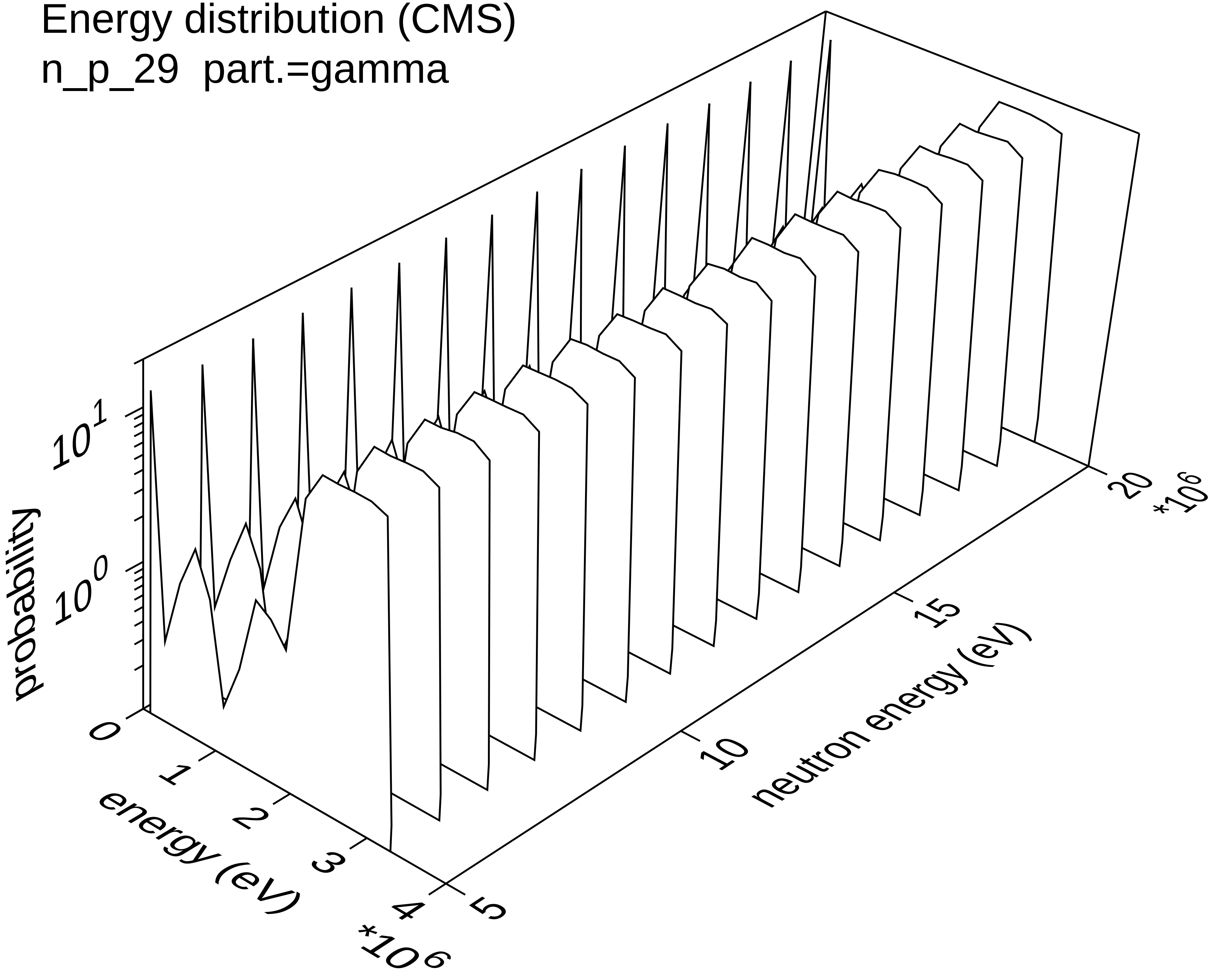
Energy distribution (CMS)
n_p_28 part.=gamma



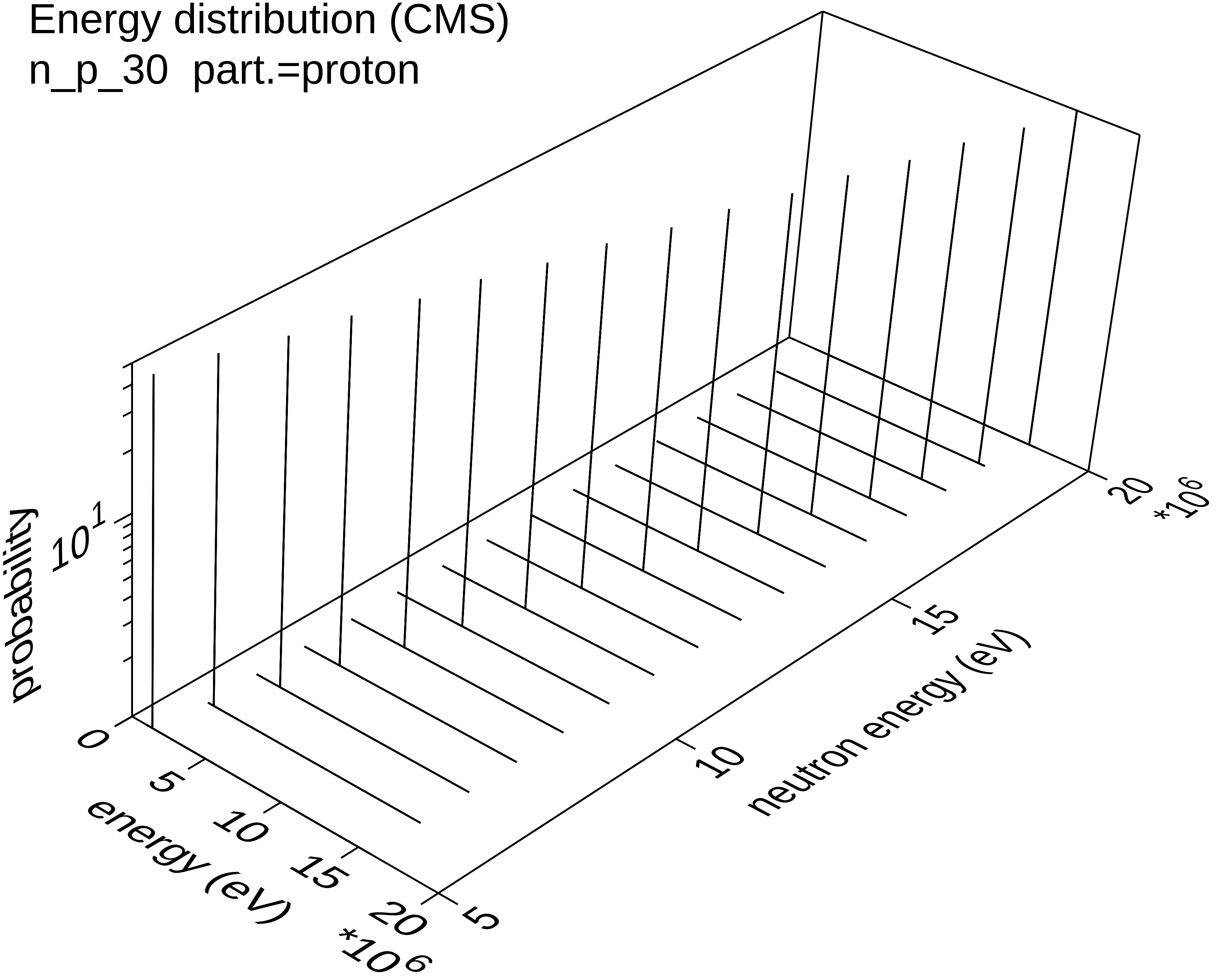
Energy distribution (CMS)
n_p_29 part.=proton



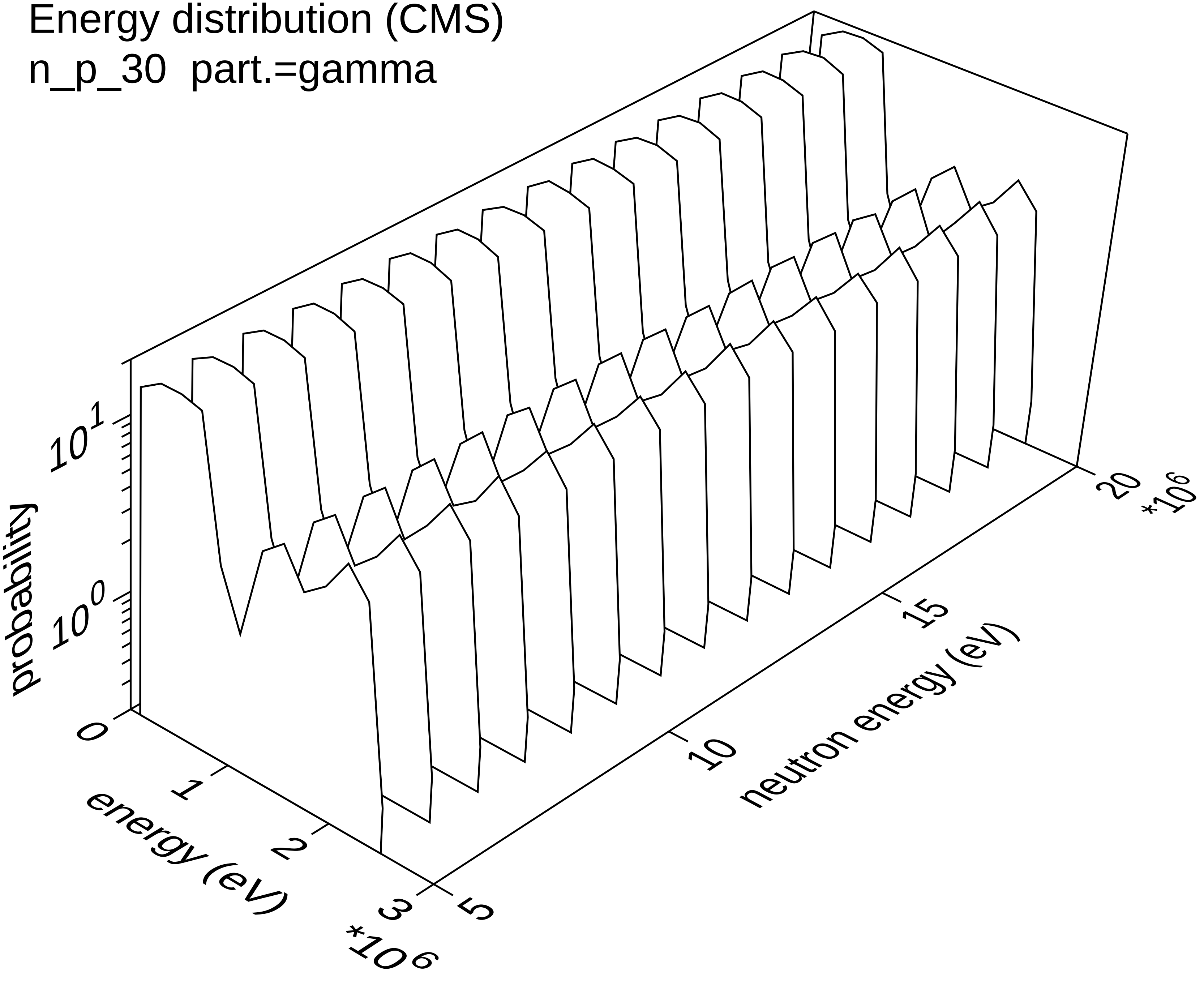
Energy distribution (CMS)
n_p_29 part.=gamma



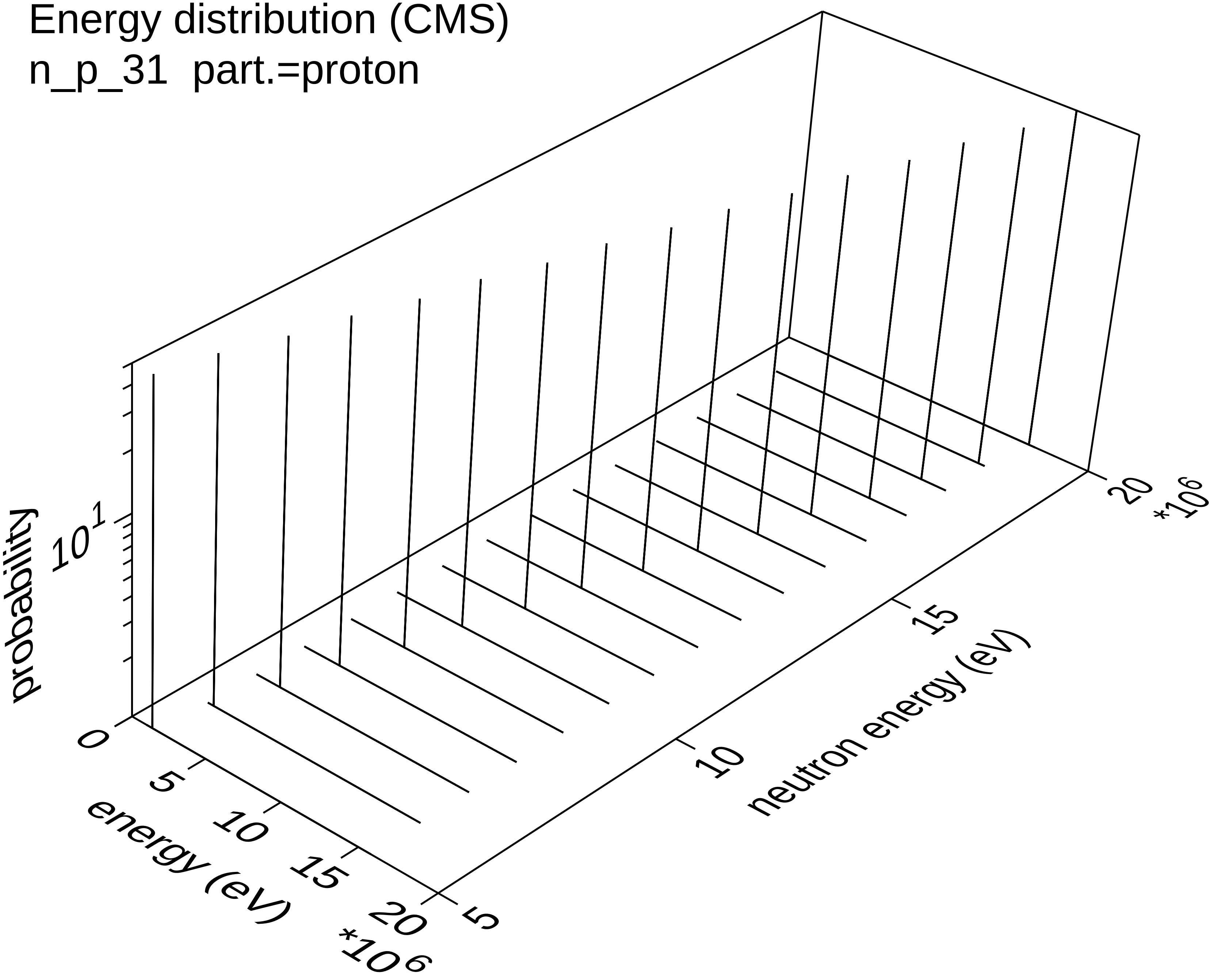
Energy distribution (CMS)
n_p_30 part.=proton



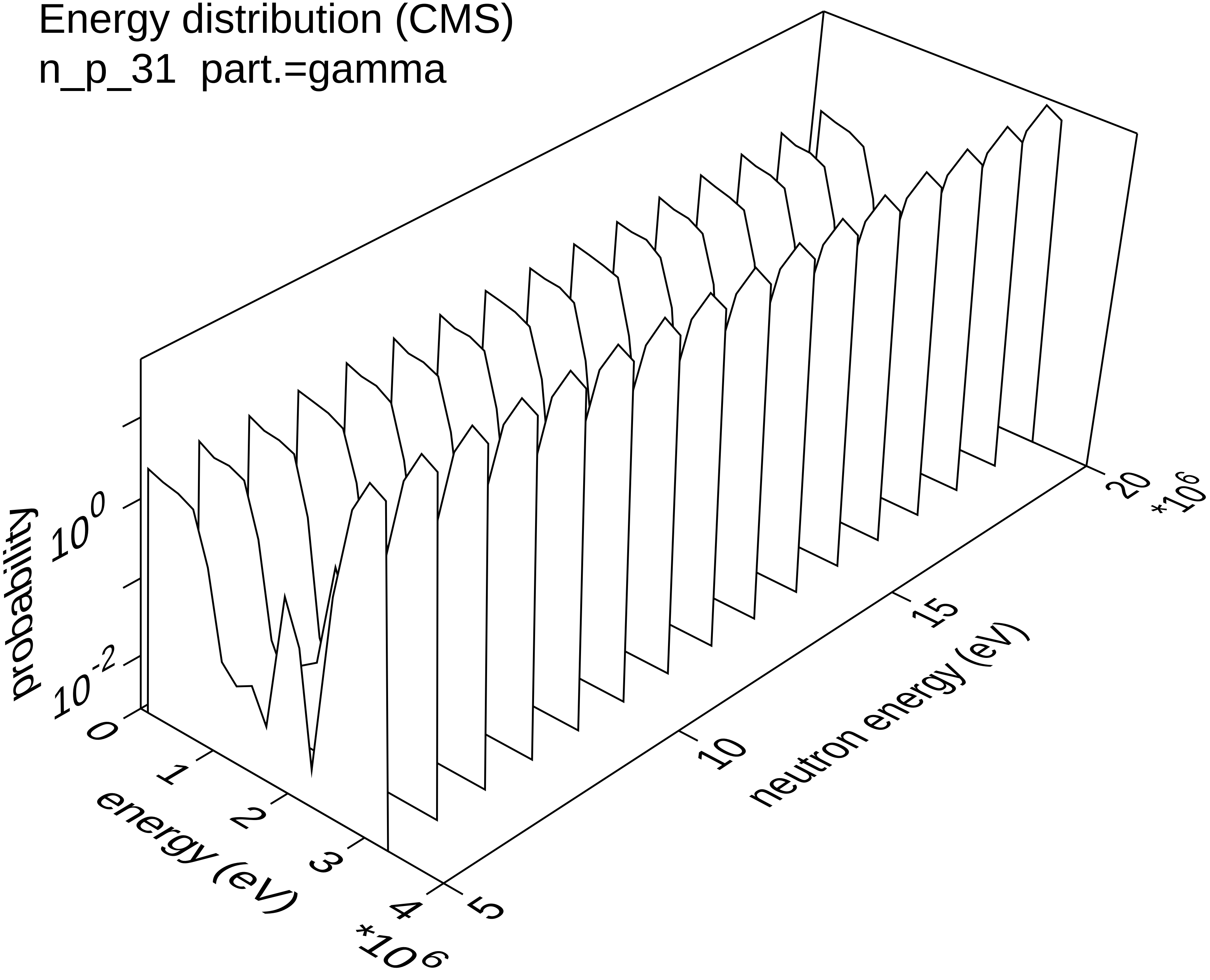
Energy distribution (CMS)
n_p_30 part.=gamma



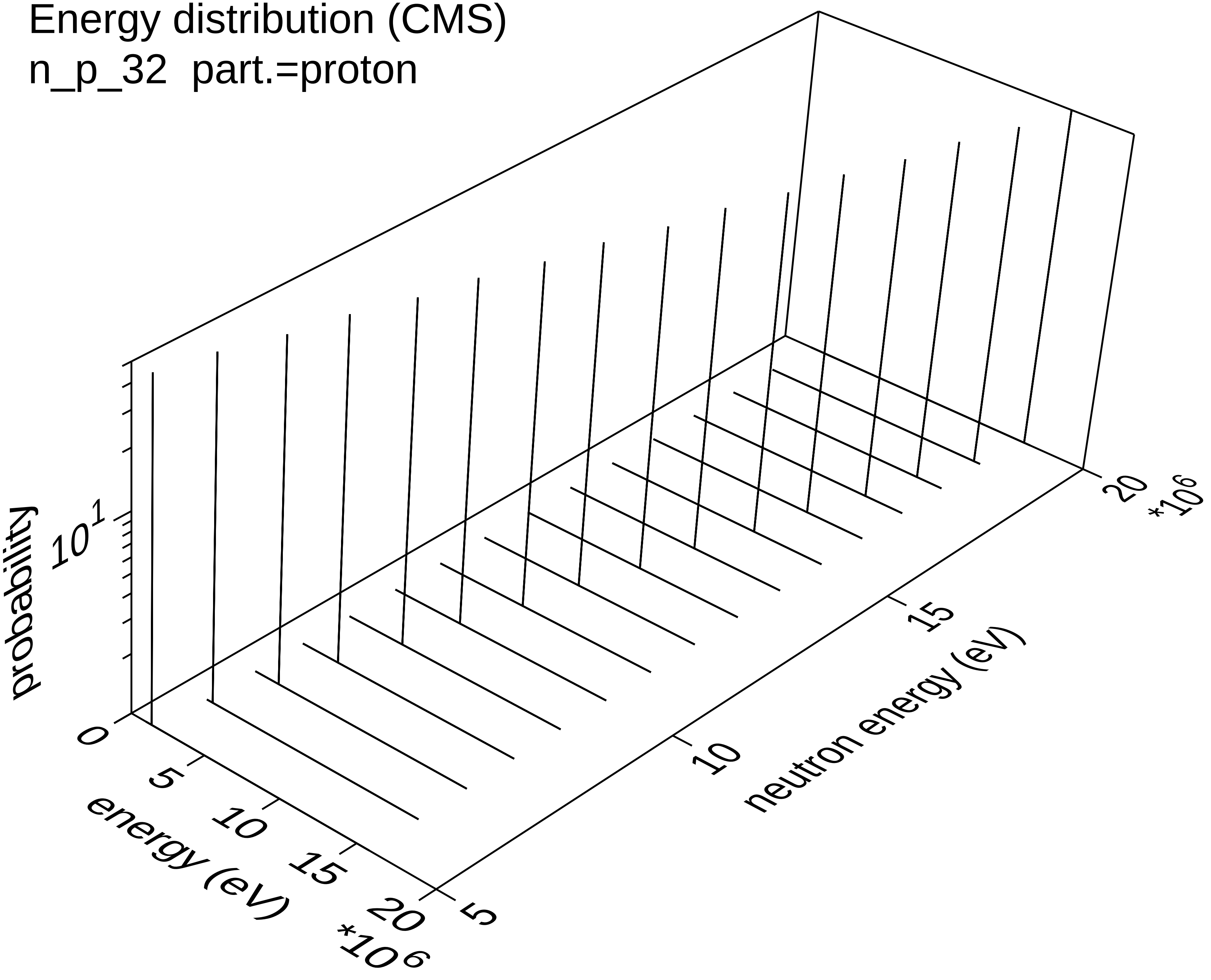
Energy distribution (CMS)
n_p_31 part.=proton



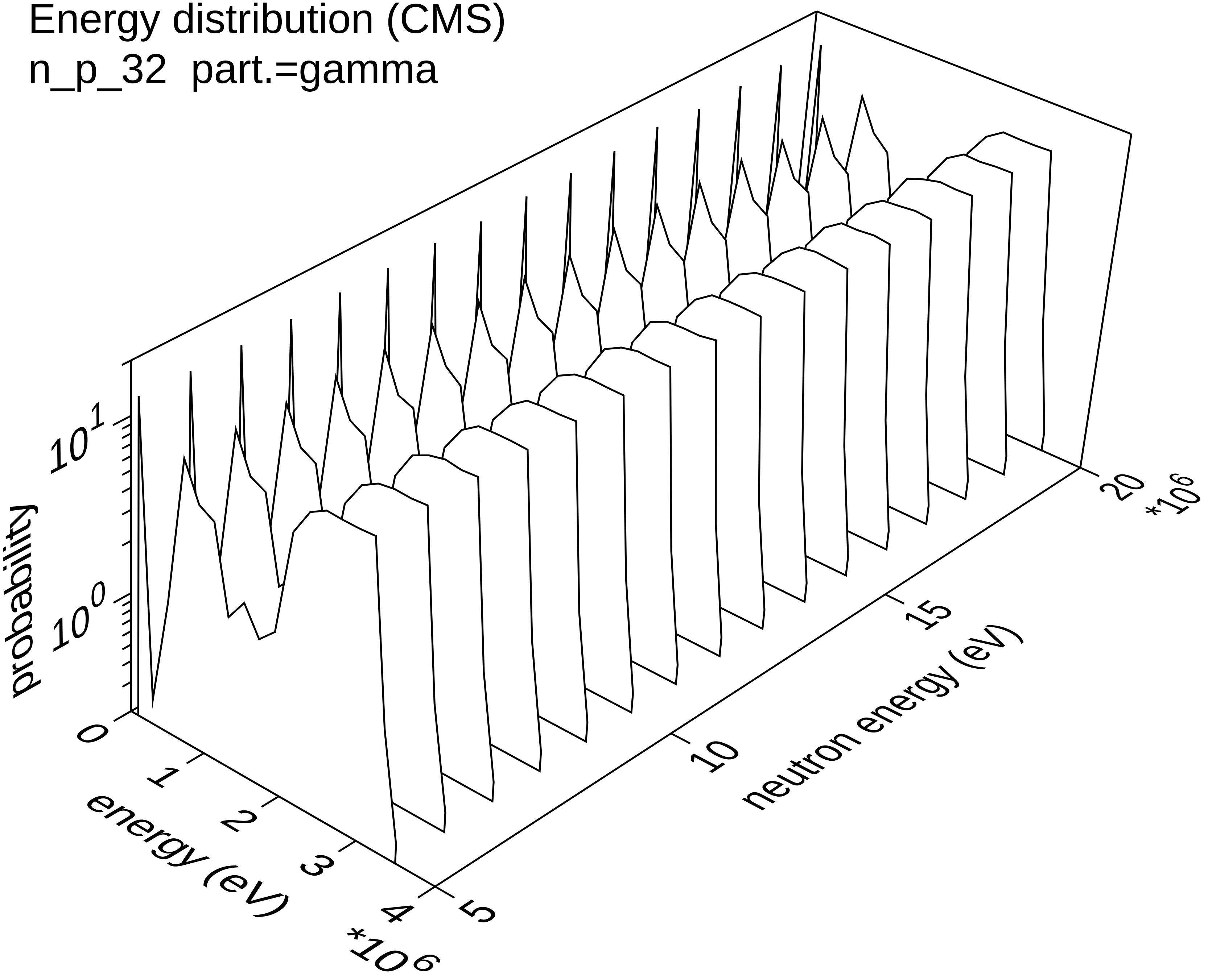
Energy distribution (CMS)
n_p_31 part.=gamma



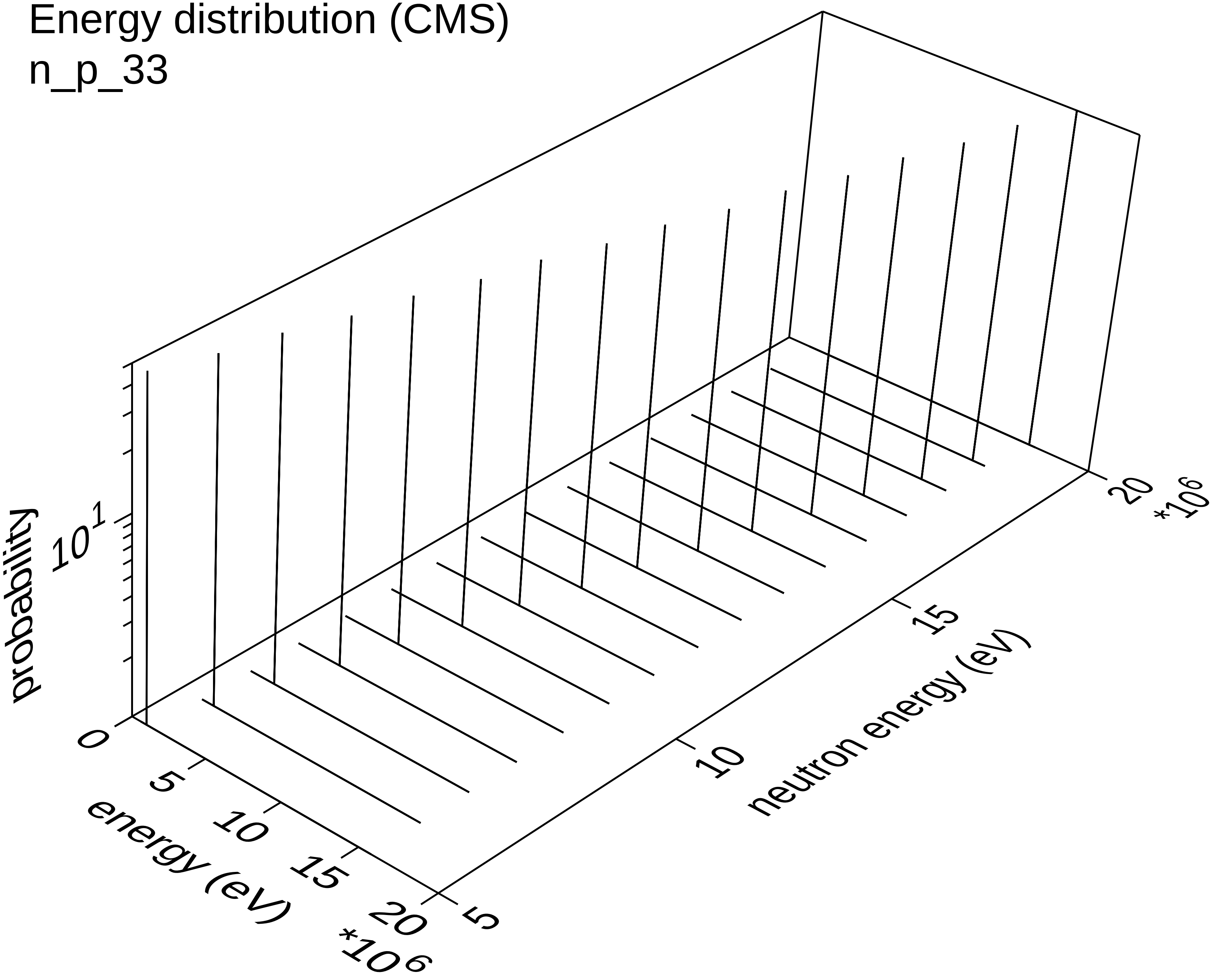
Energy distribution (CMS)
n_p_32 part.=proton



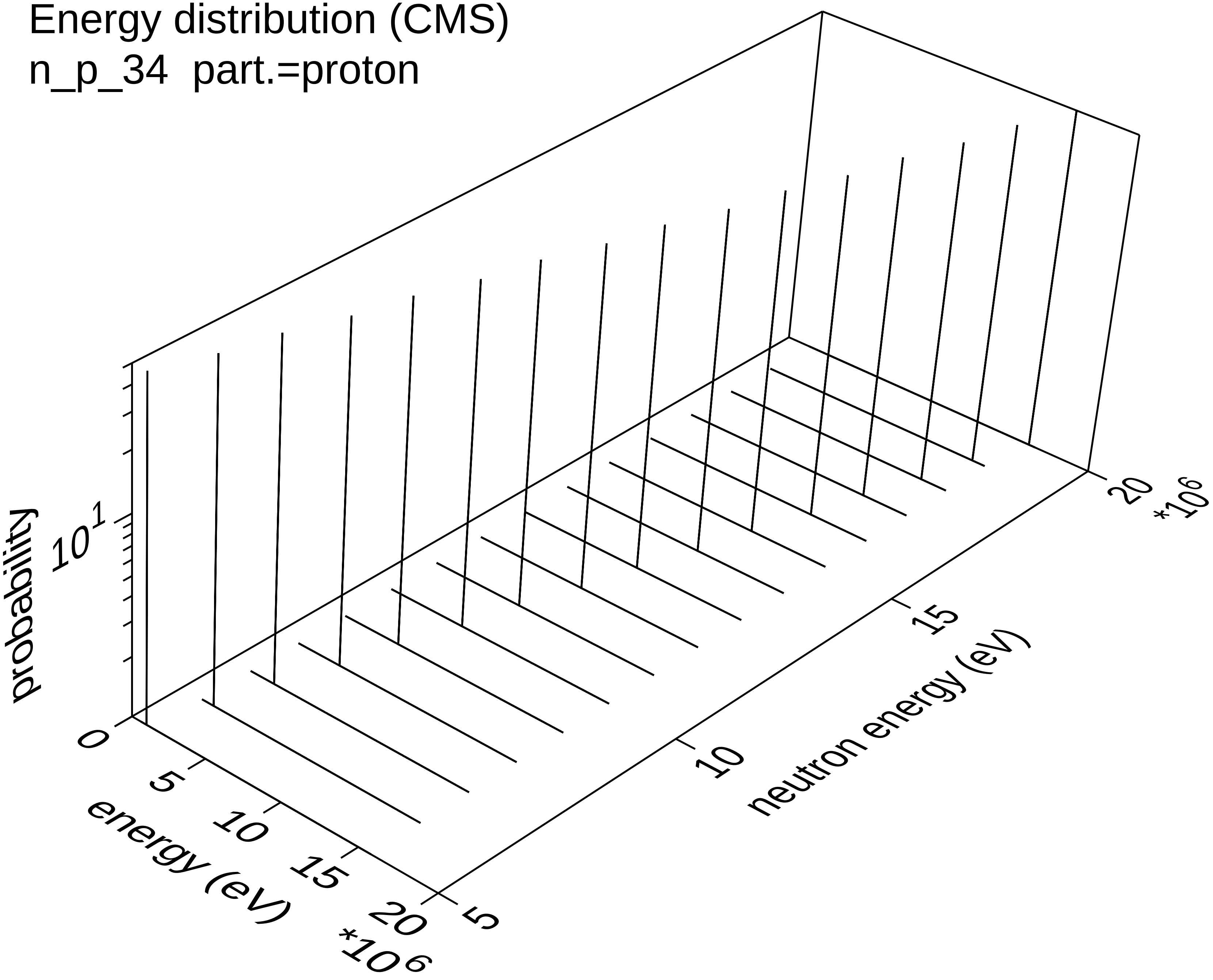
Energy distribution (CMS)
n_p_32 part.=gamma



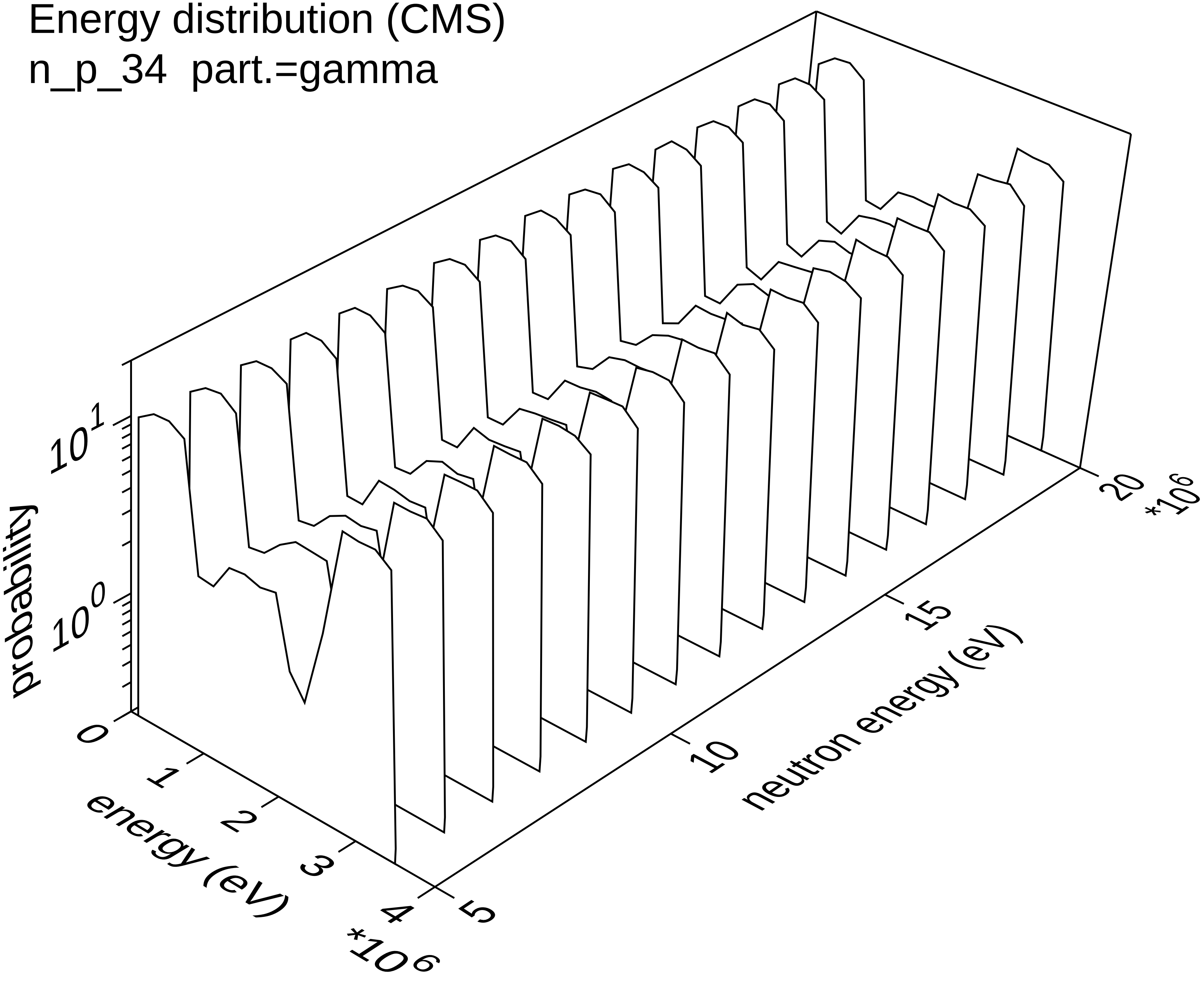
Energy distribution (CMS)
n_p_33



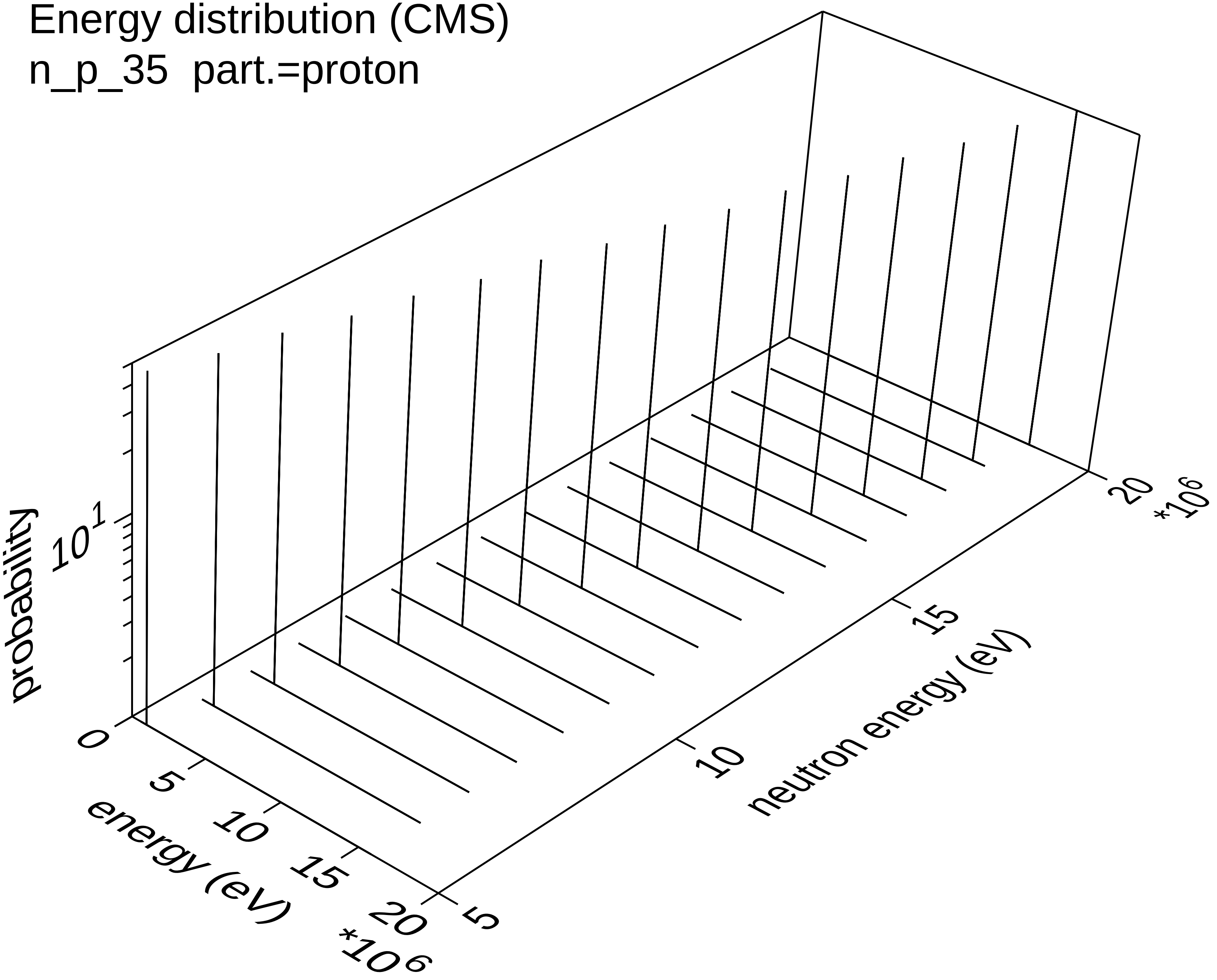
Energy distribution (CMS)
n_p_34 part.=proton



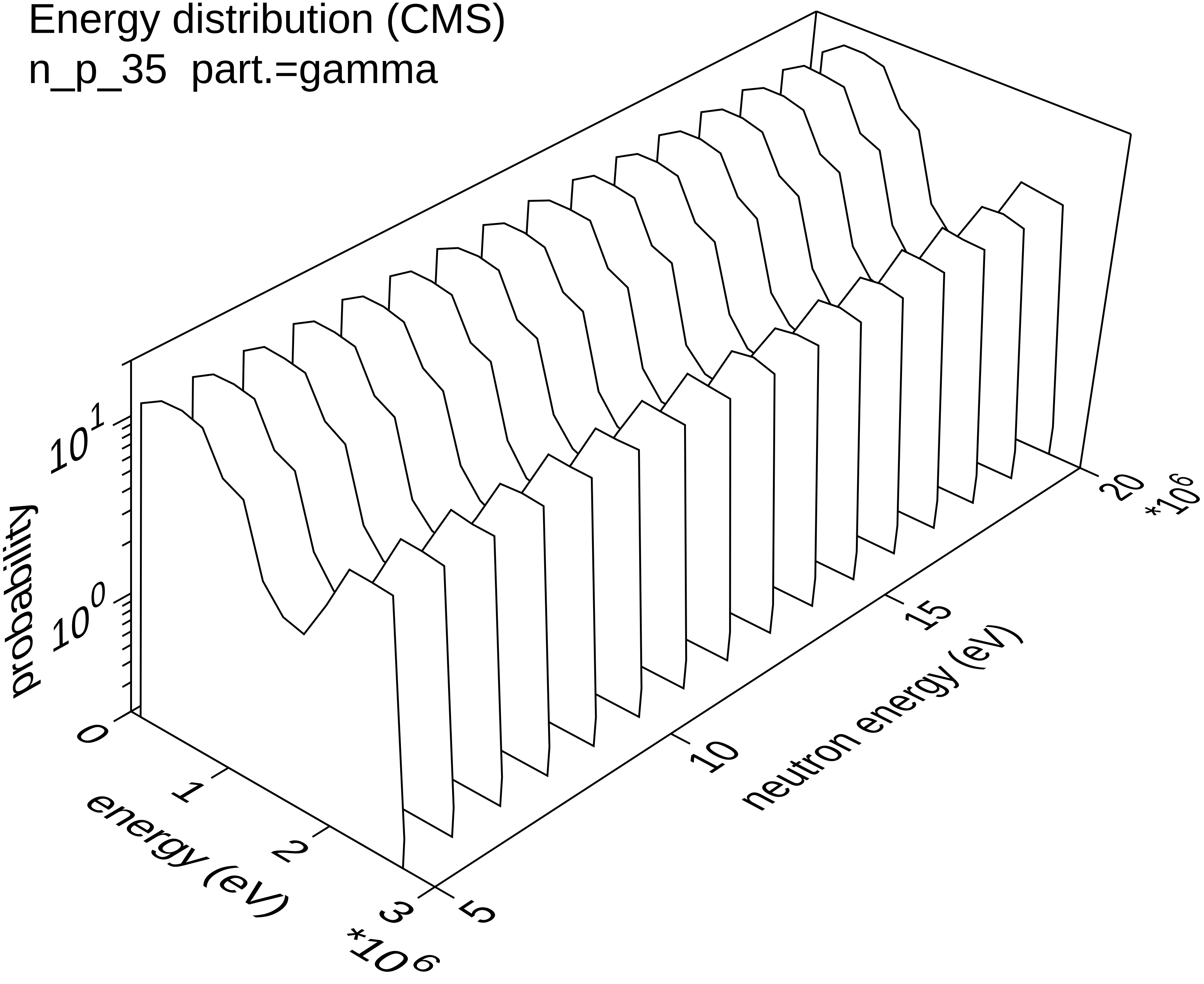
Energy distribution (CMS)
n_p_34 part.=gamma



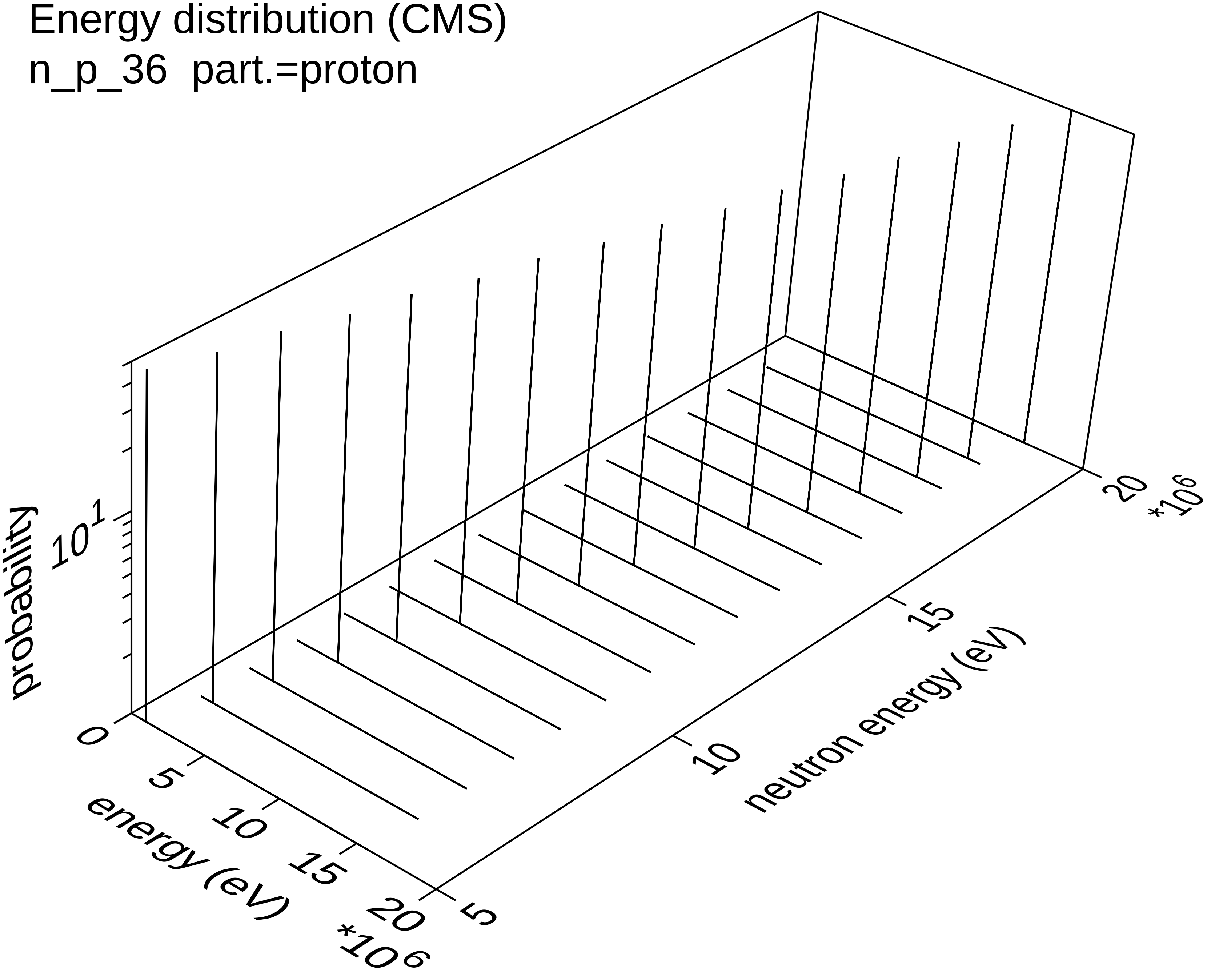
Energy distribution (CMS)
n_p_35 part.=proton



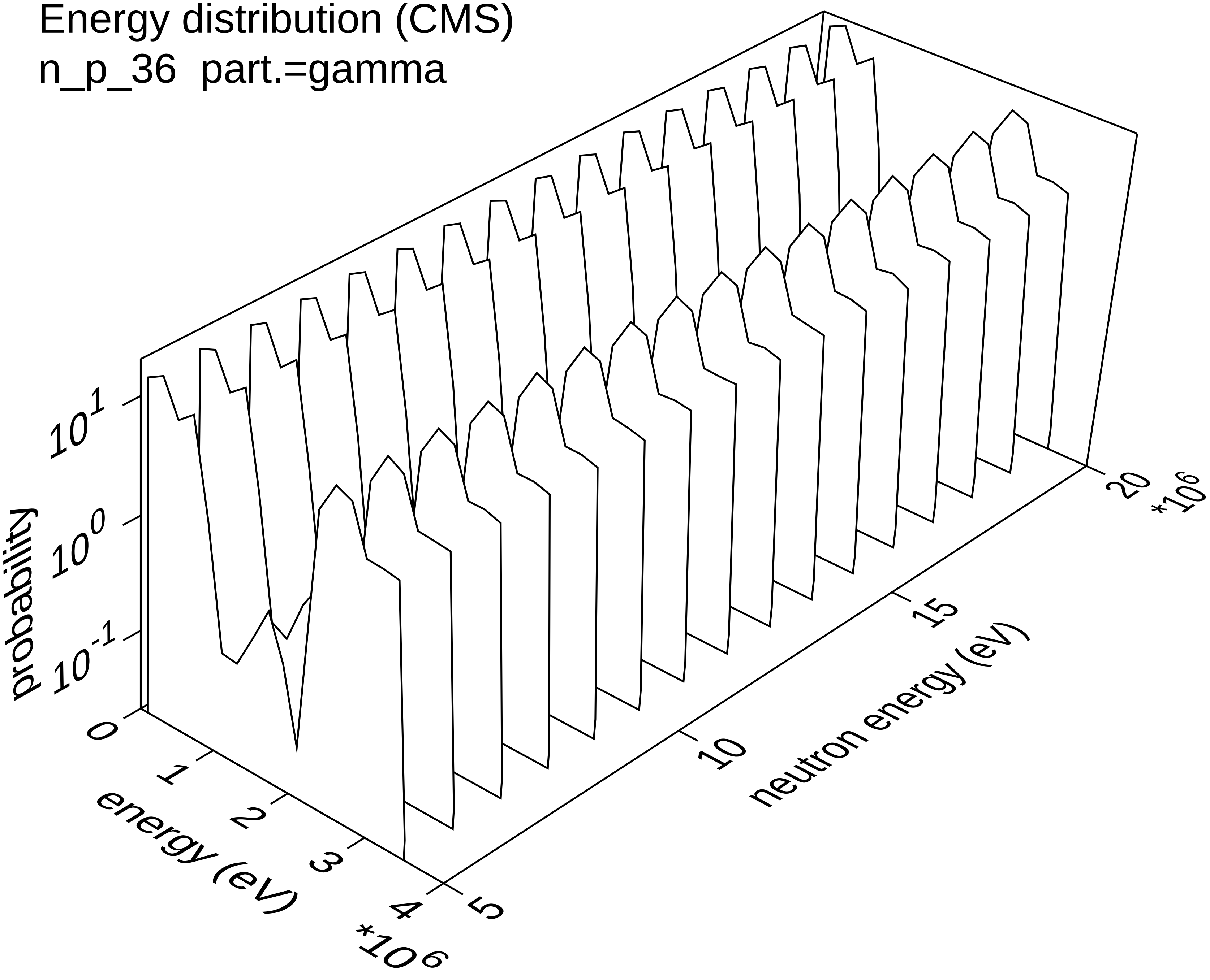
Energy distribution (CMS)
n_p_35 part.=gamma



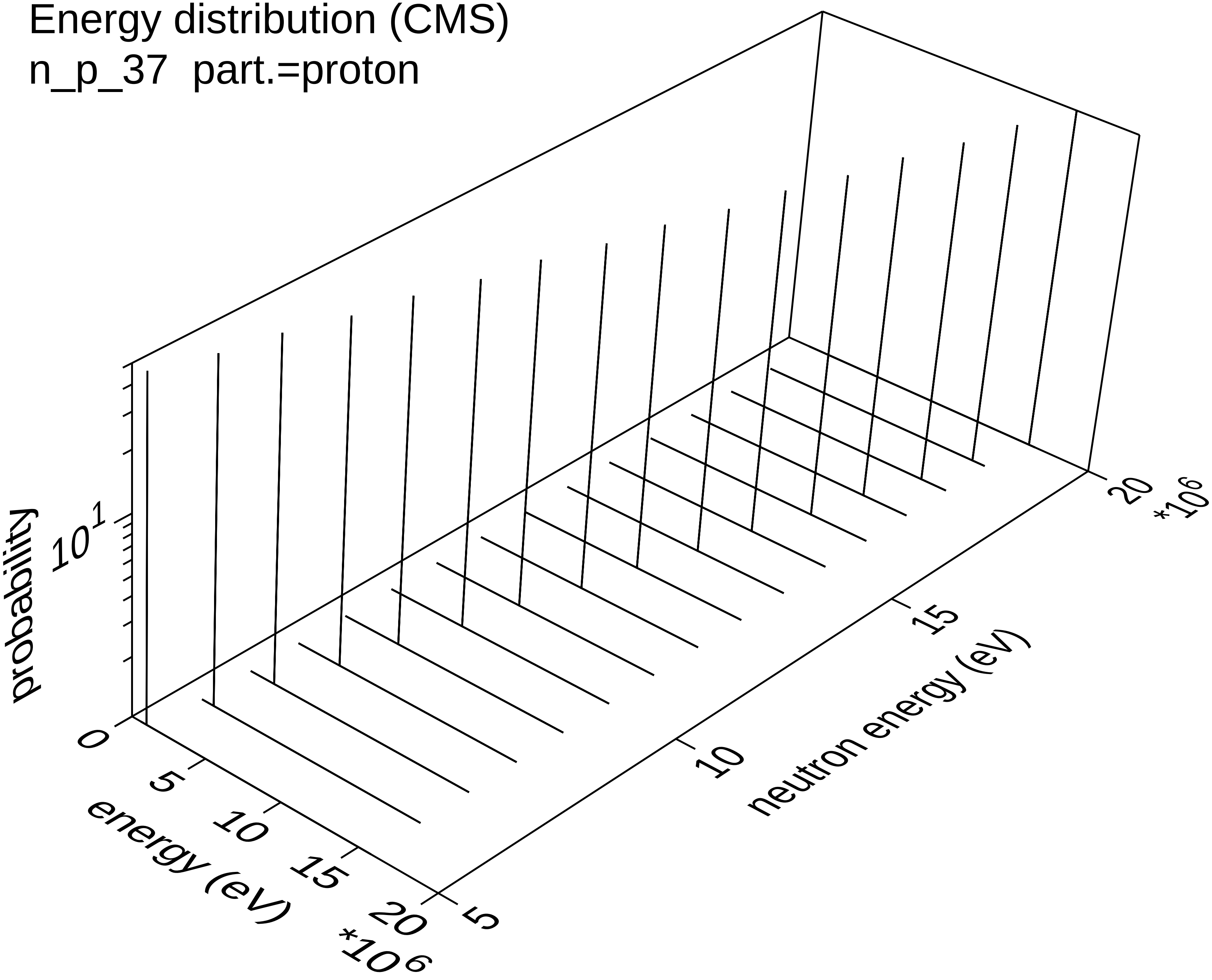
Energy distribution (CMS)
n_p_36 part.=proton



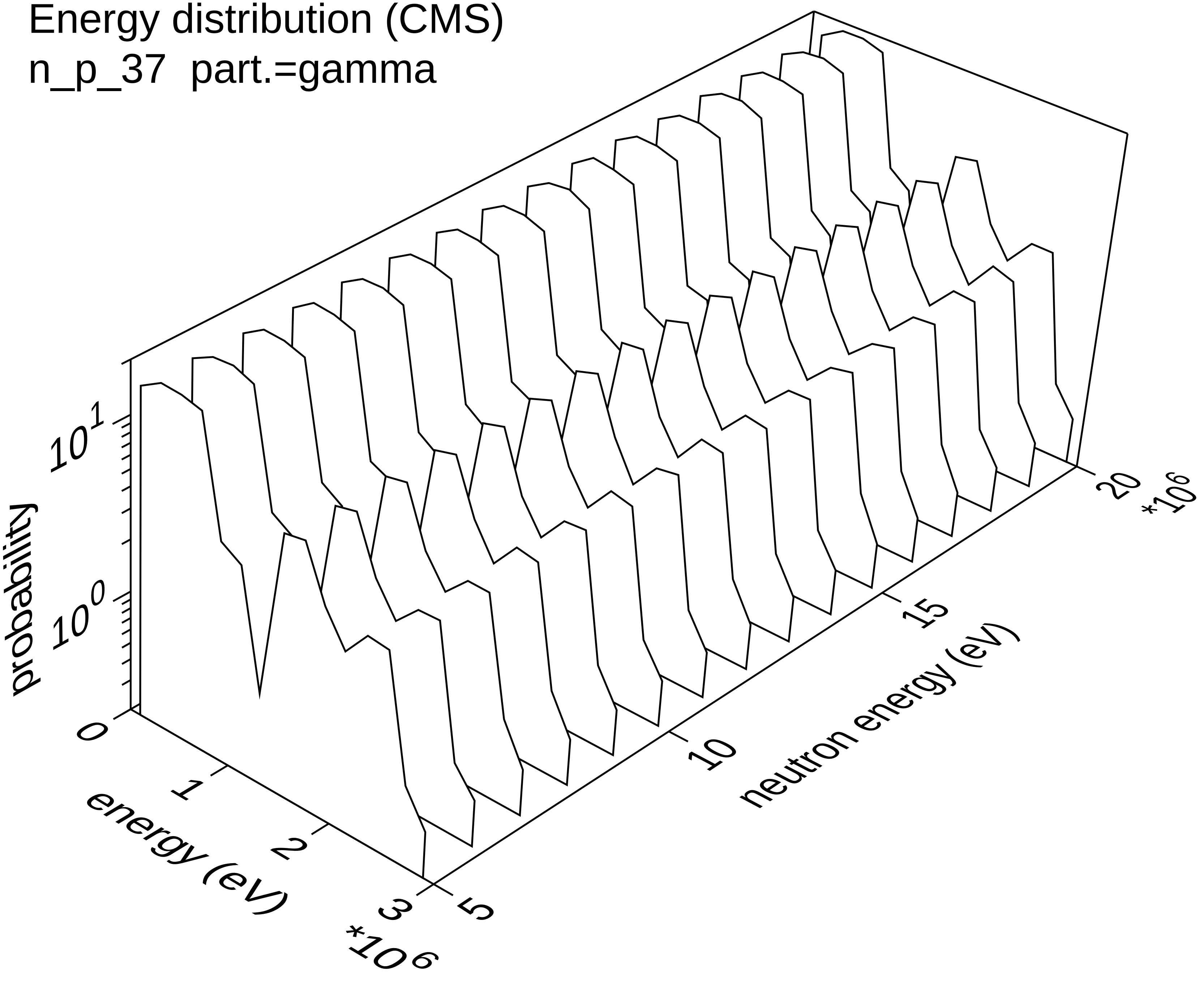
Energy distribution (CMS)
n_p_36 part.=gamma



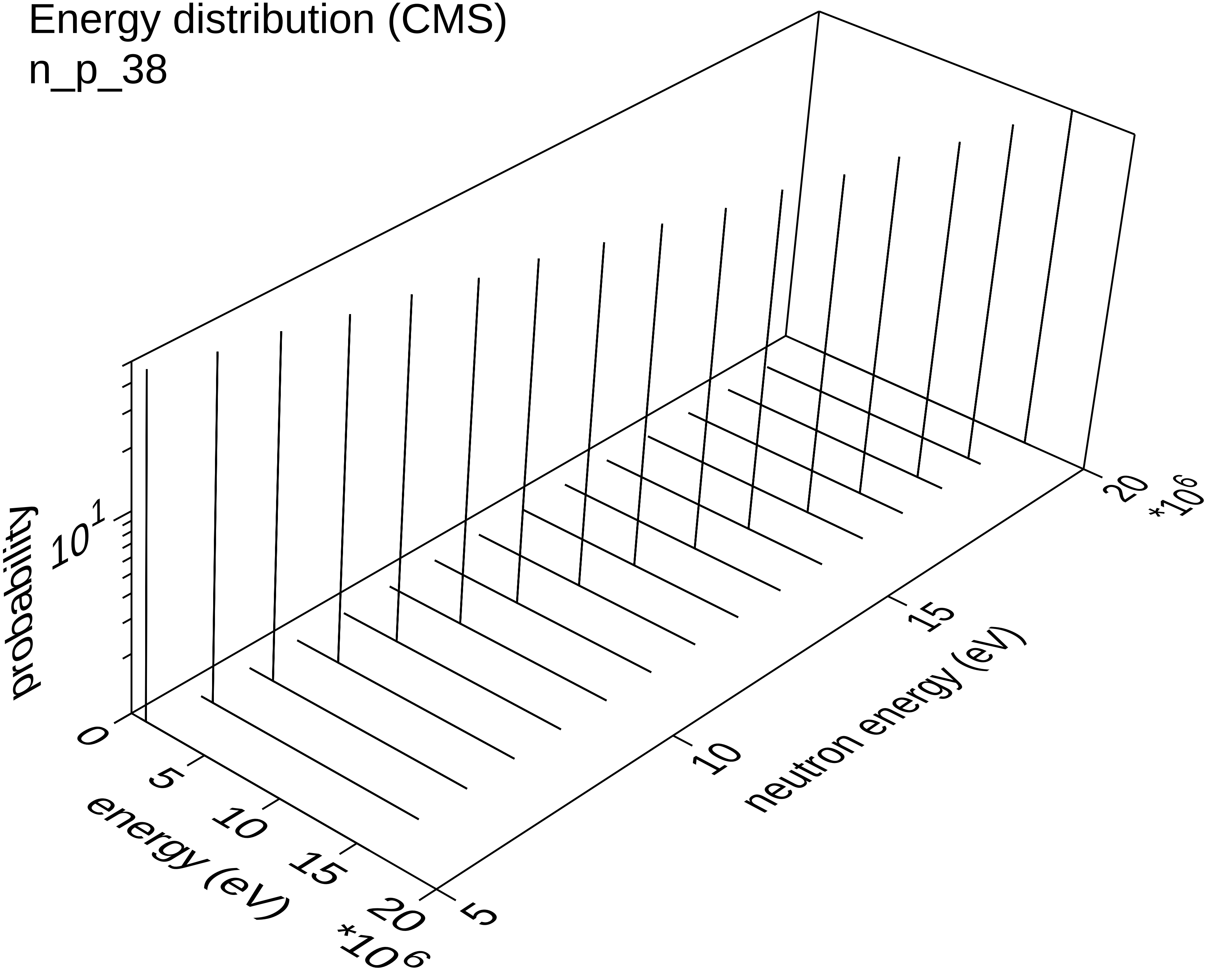
Energy distribution (CMS)
n_p_37 part.=proton



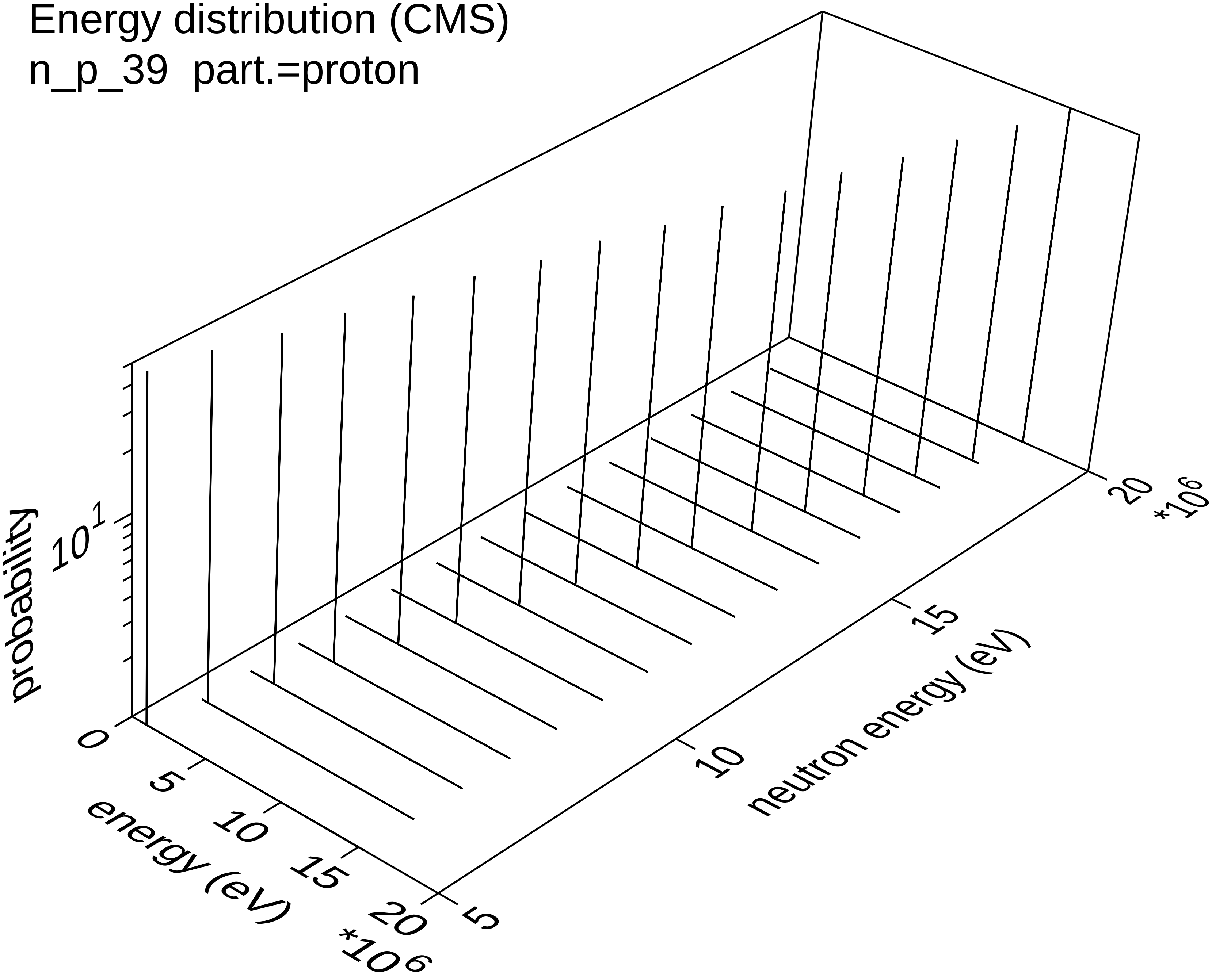
Energy distribution (CMS)
n_p_37 part.=gamma



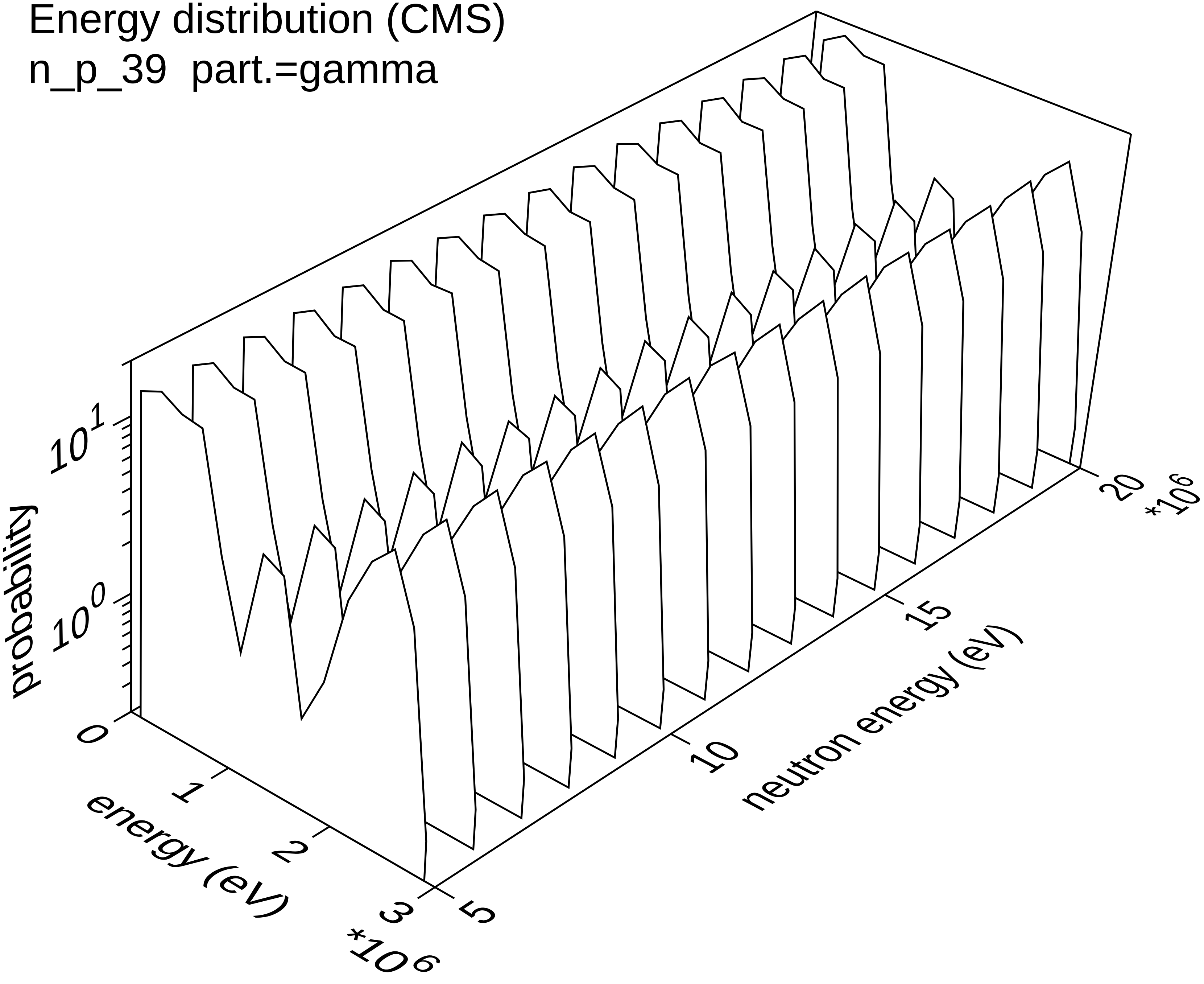
Energy distribution (CMS)
n_p_38

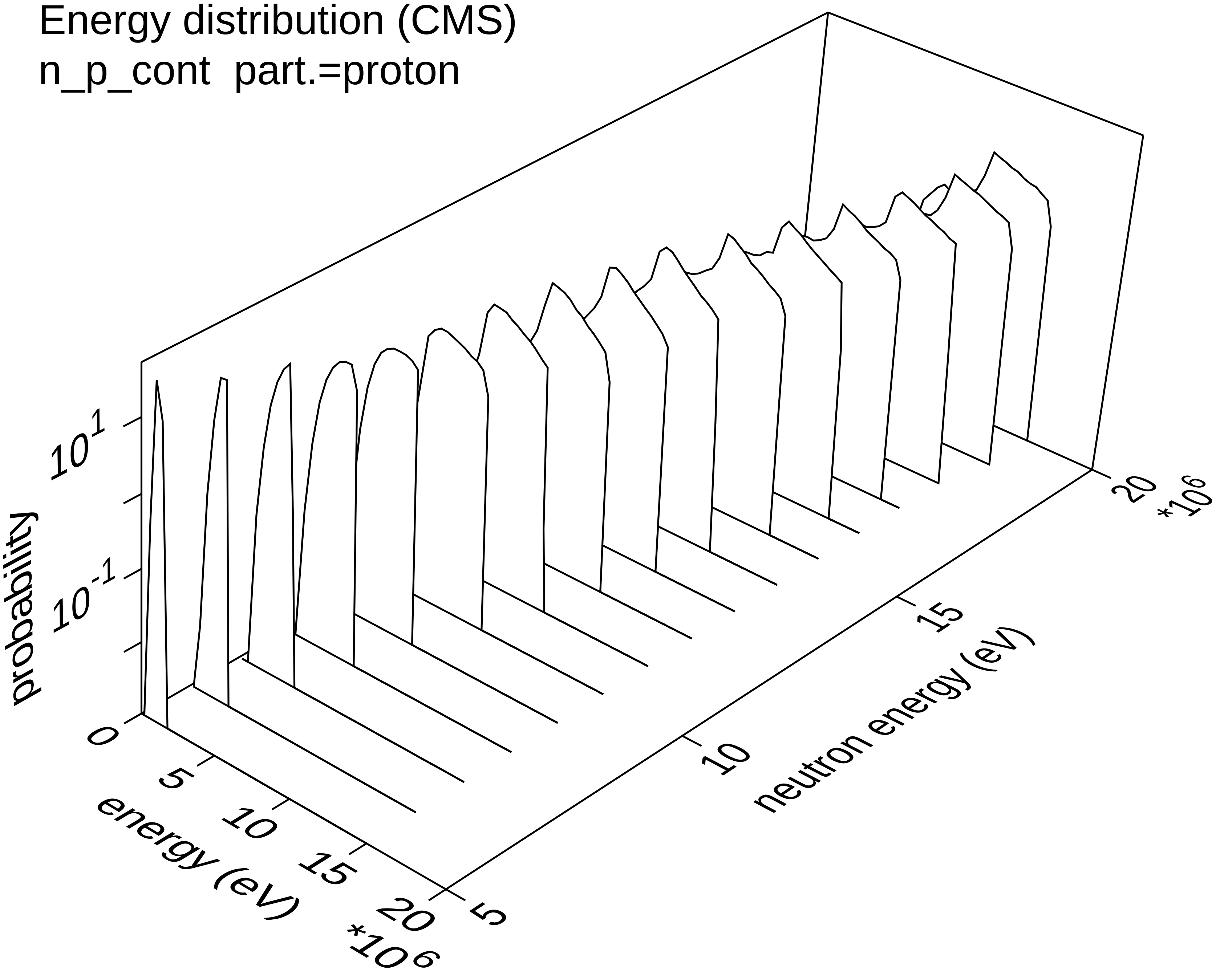


Energy distribution (CMS)
n_p_39 part.=proton

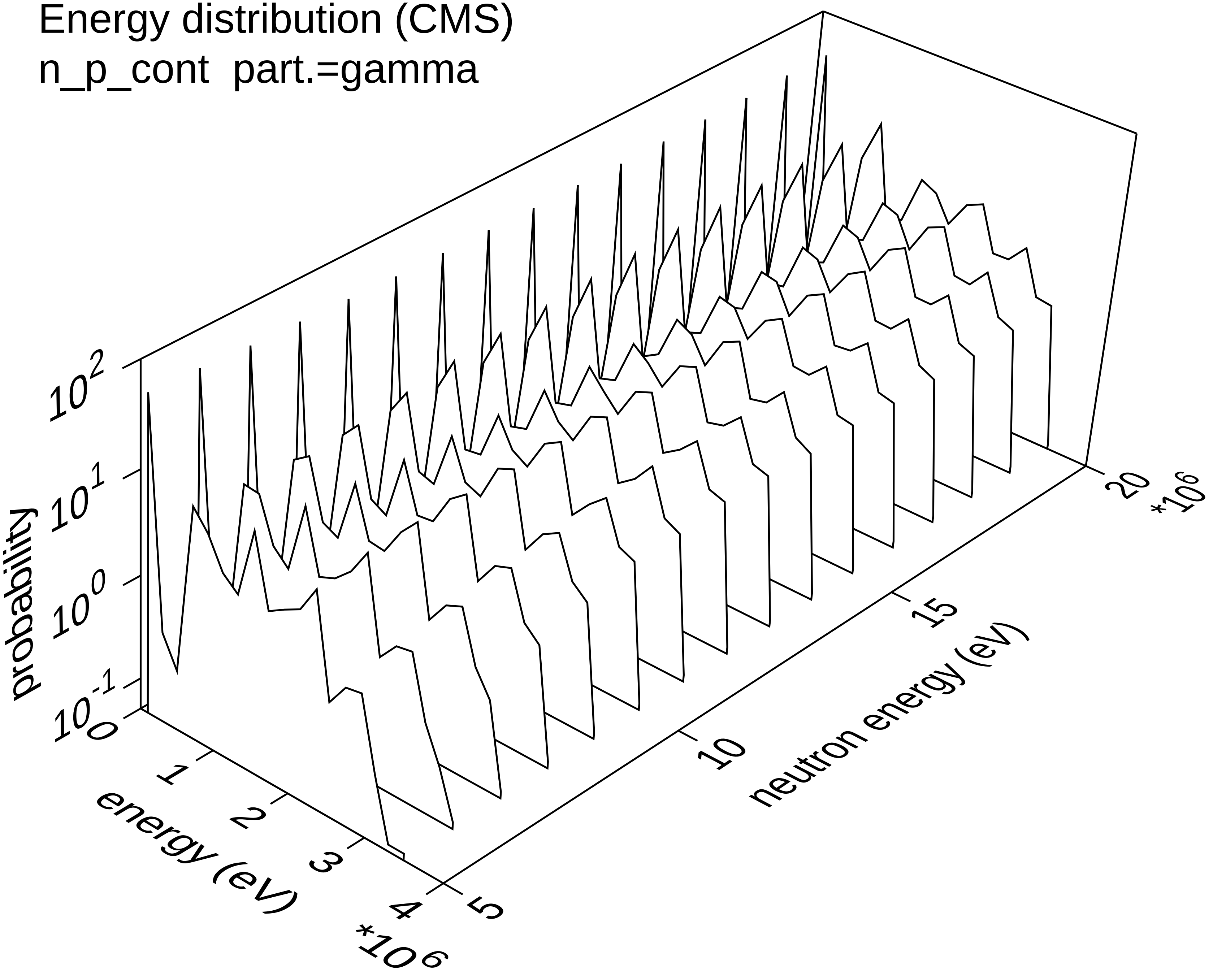


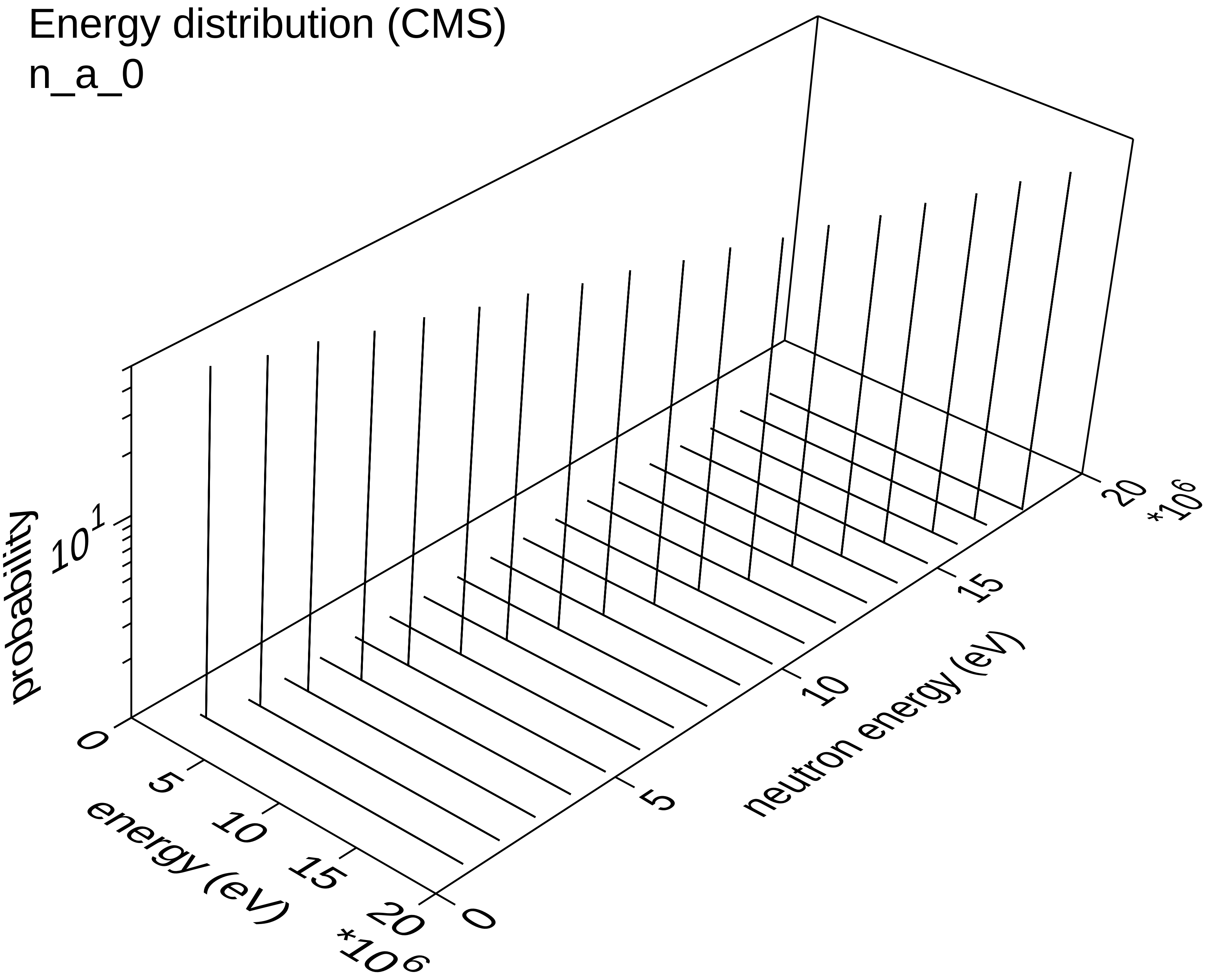
Energy distribution (CMS)
n_p_39 part.=gamma

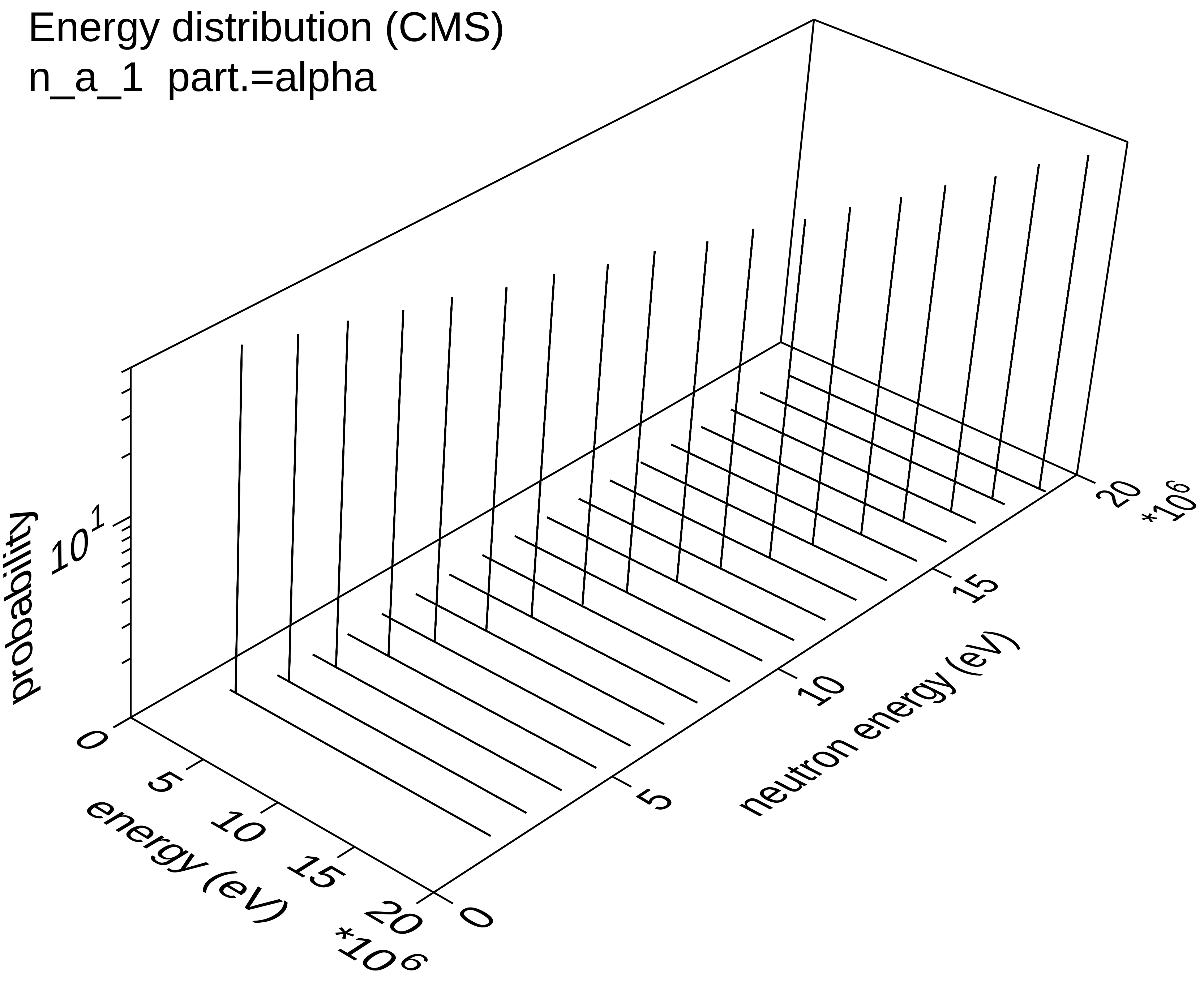



Energy distribution (CMS)
n_p_cont part.=proton
probability
10^1
10^-1
0
5
10
15
20
energy (eV)
*10^6
5
10
15
20
neutron energy (eV)
*10^6

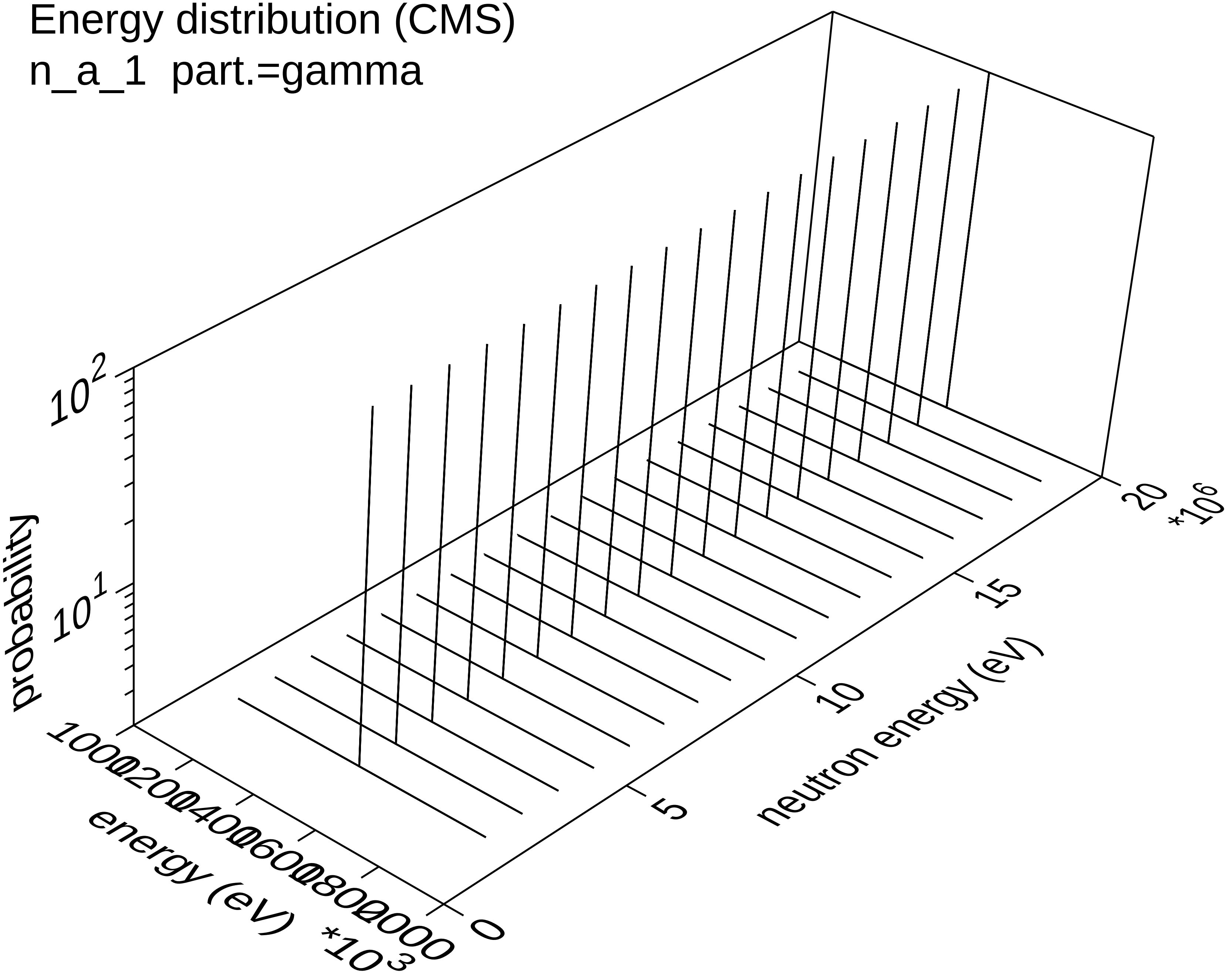
Energy distribution (CMS)
n_p_cont part.=gamma



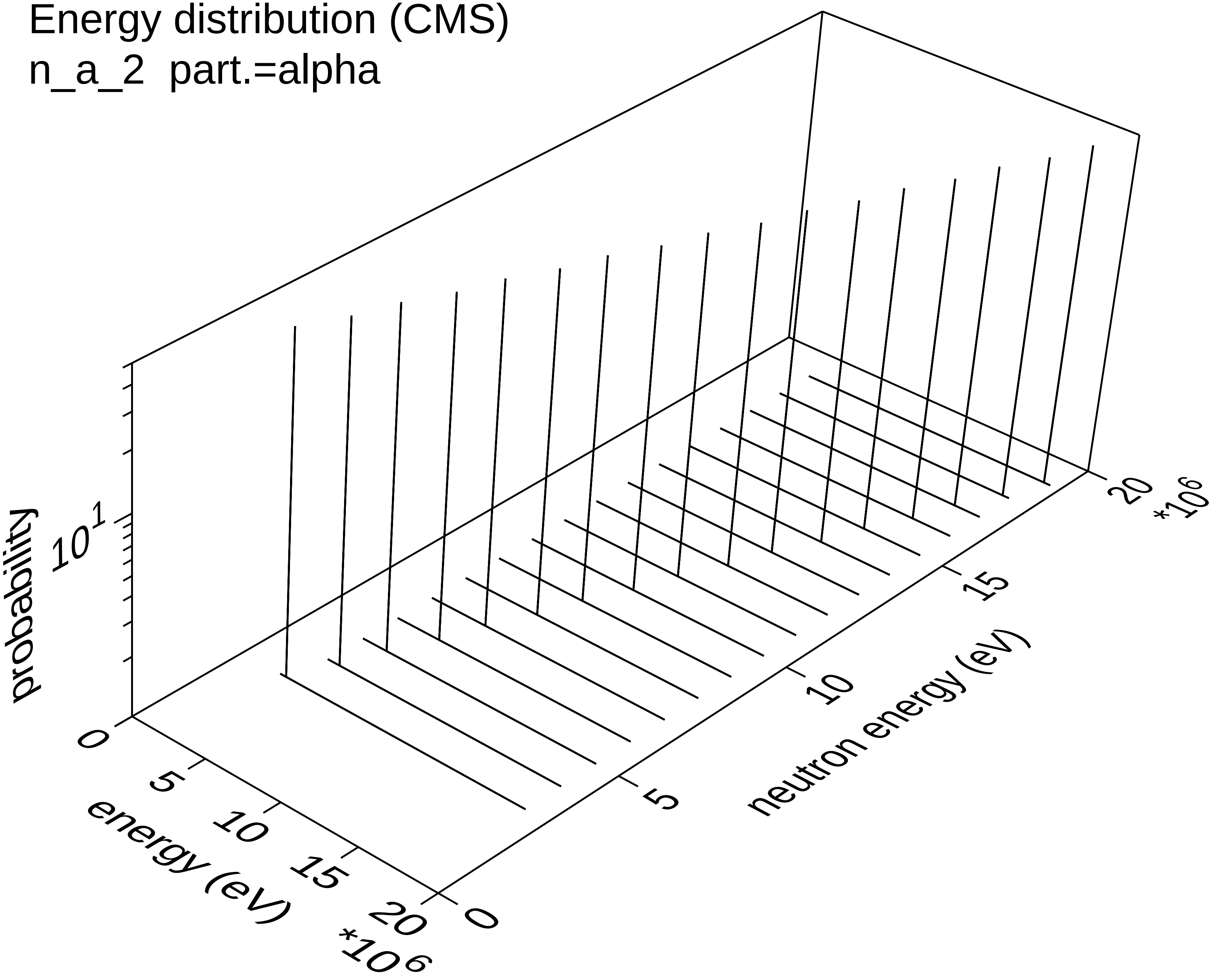

Energy distribution (CMS)
n_a_0
probability
10^1
0
5
10
15
20
energy (eV)
*10^6
0
5
10
15
20
neutron energy (eV)
*10^6


Energy distribution (CMS)
n_a_1 part.=alpha
probability
10^1
0
5
10
15
20
$*10^6$
energy (eV)
0
5
10
15
20
$*10^6$
neutron energy (eV)

Energy distribution (CMS)
n_a_1 part.=gamma

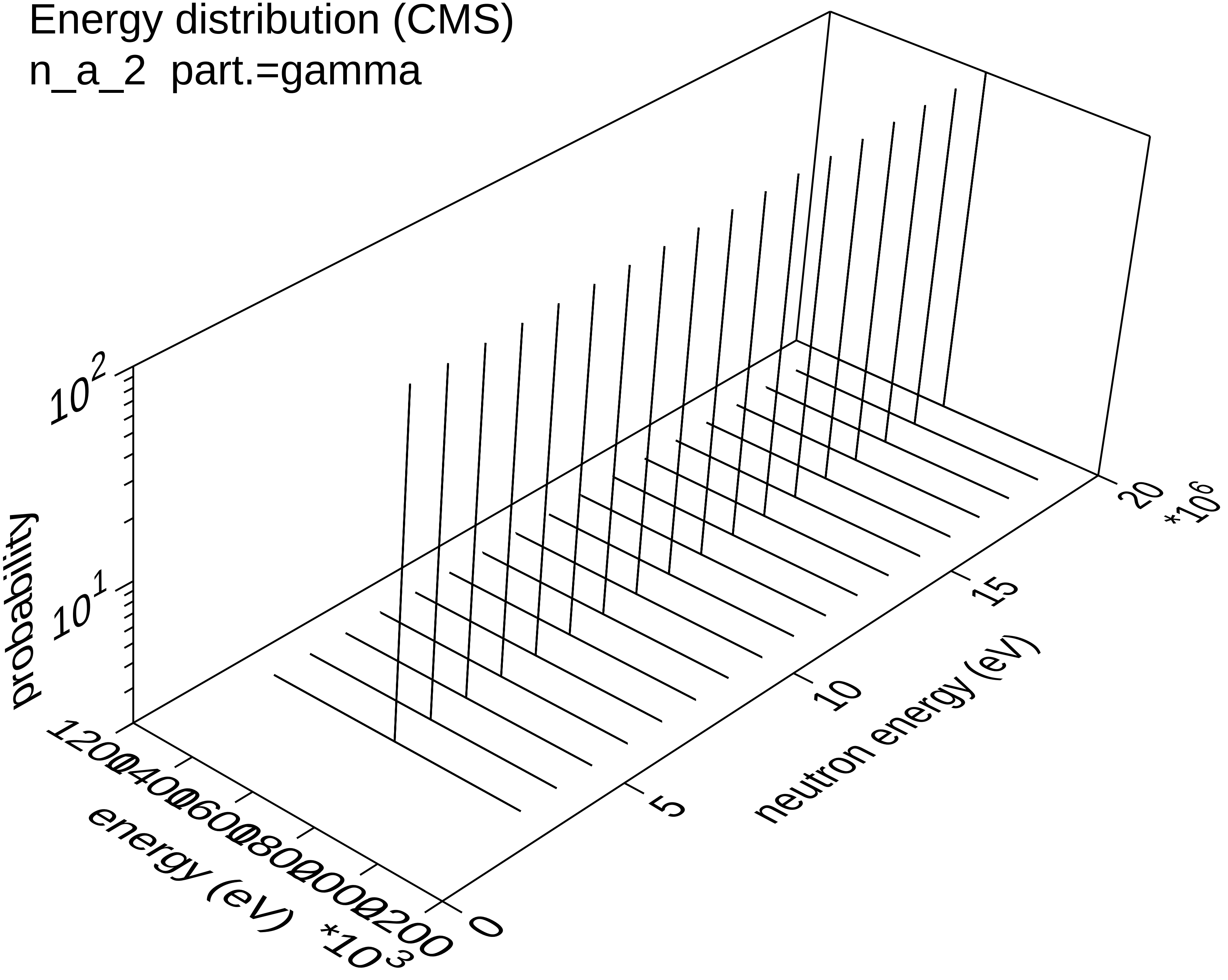


Energy distribution (CMS)
n_a_2 part.=alpha

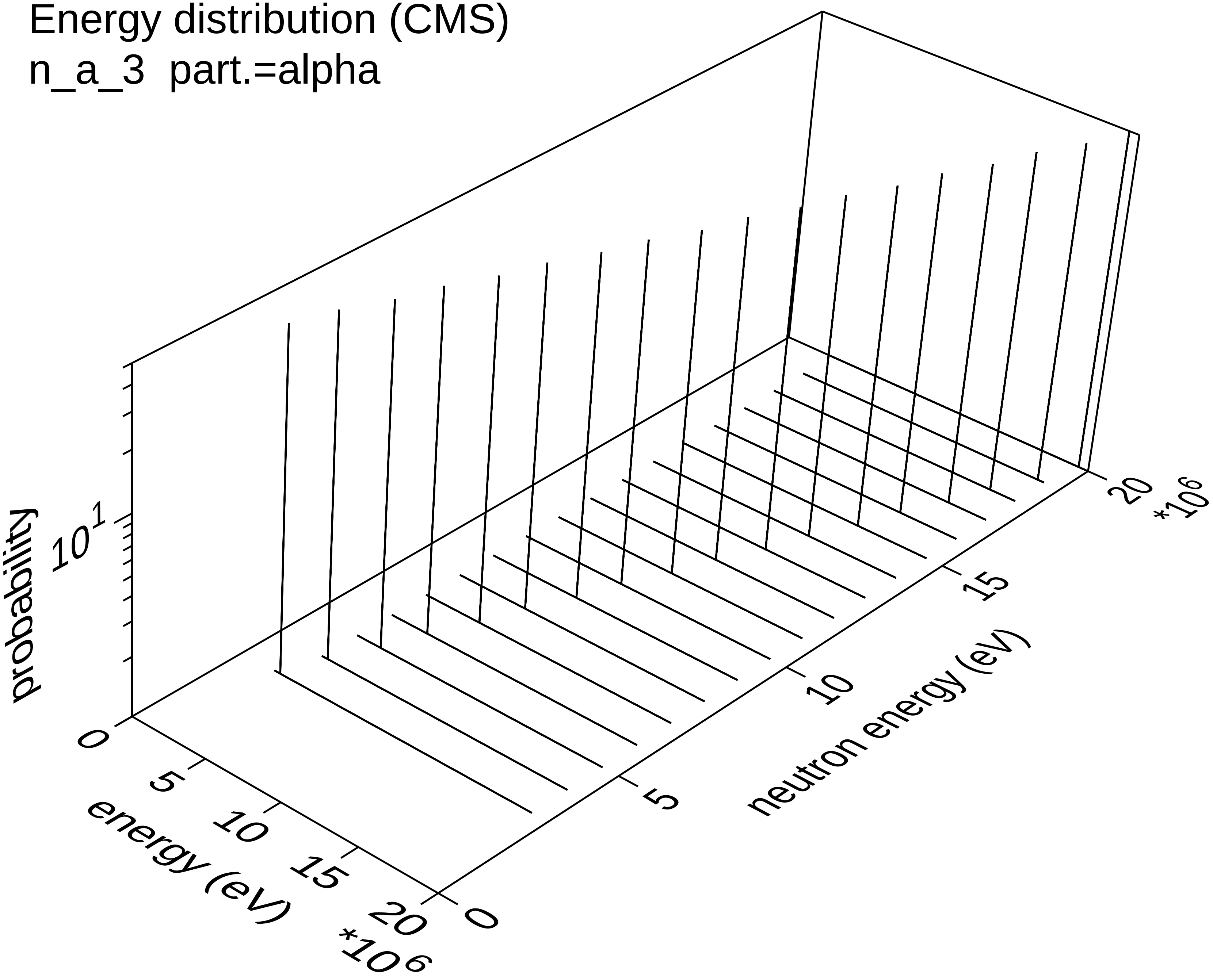


Energy distribution (CMS)

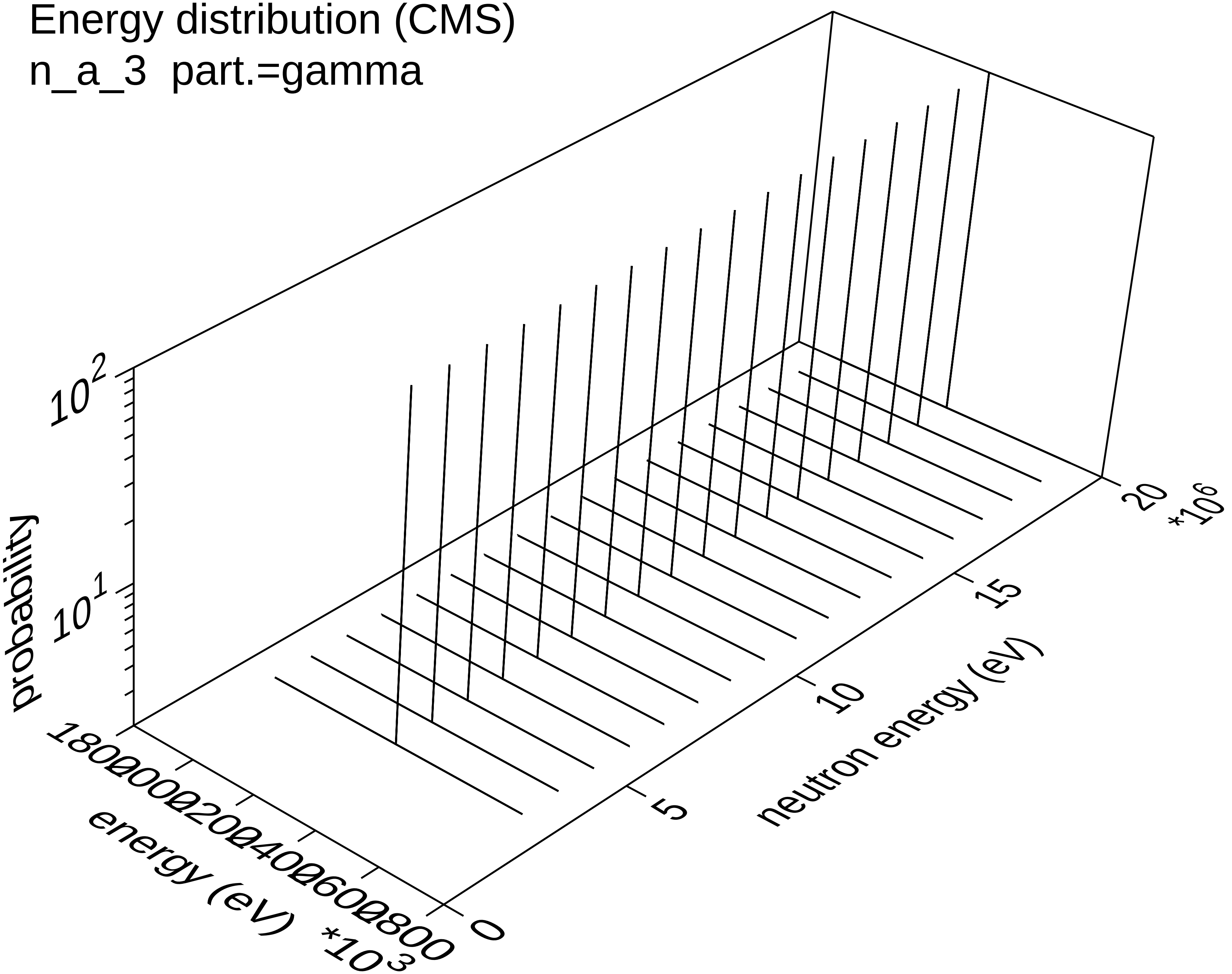
n_a_2 part.=gamma



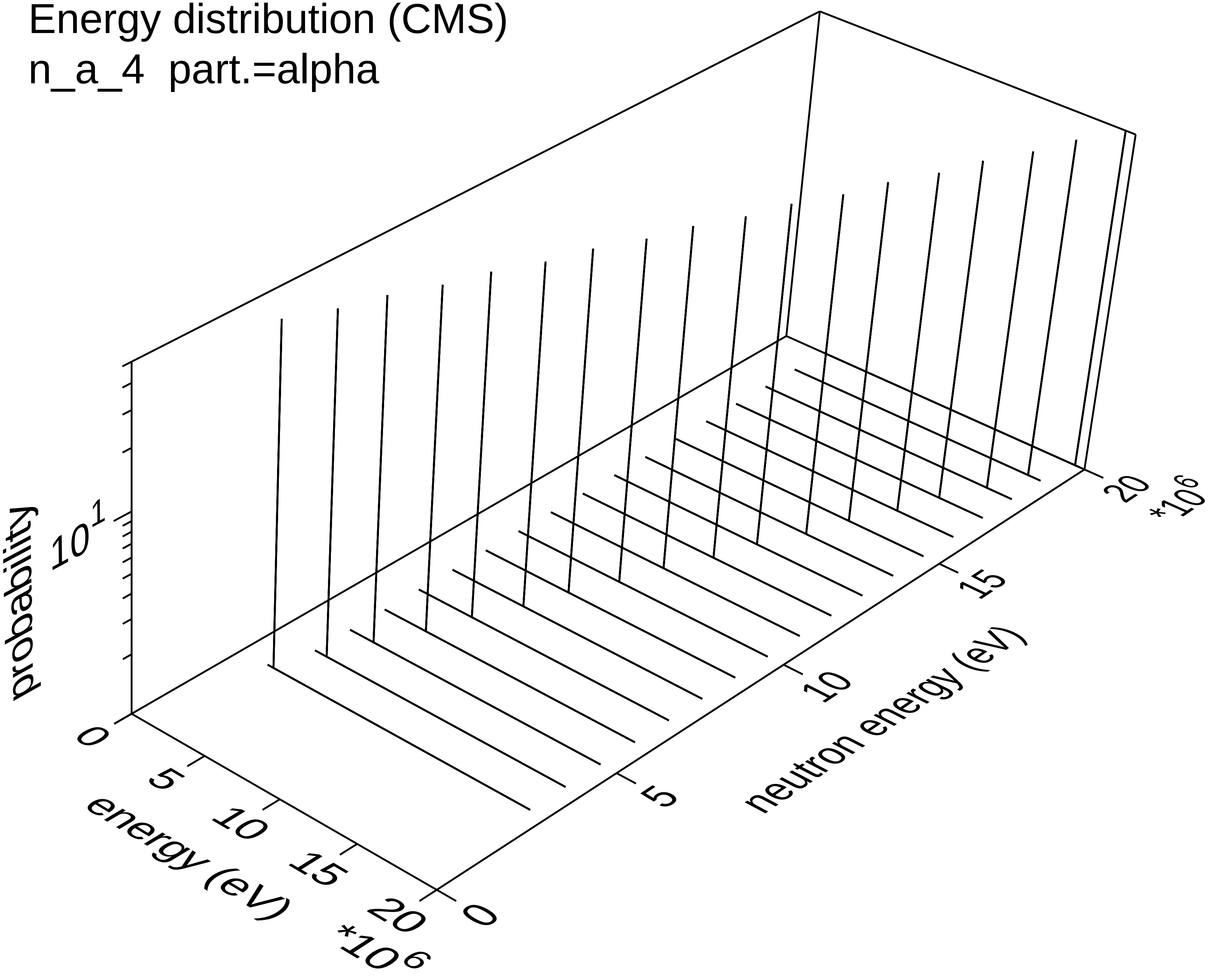
Energy distribution (CMS)
n_a_3 part.=alpha



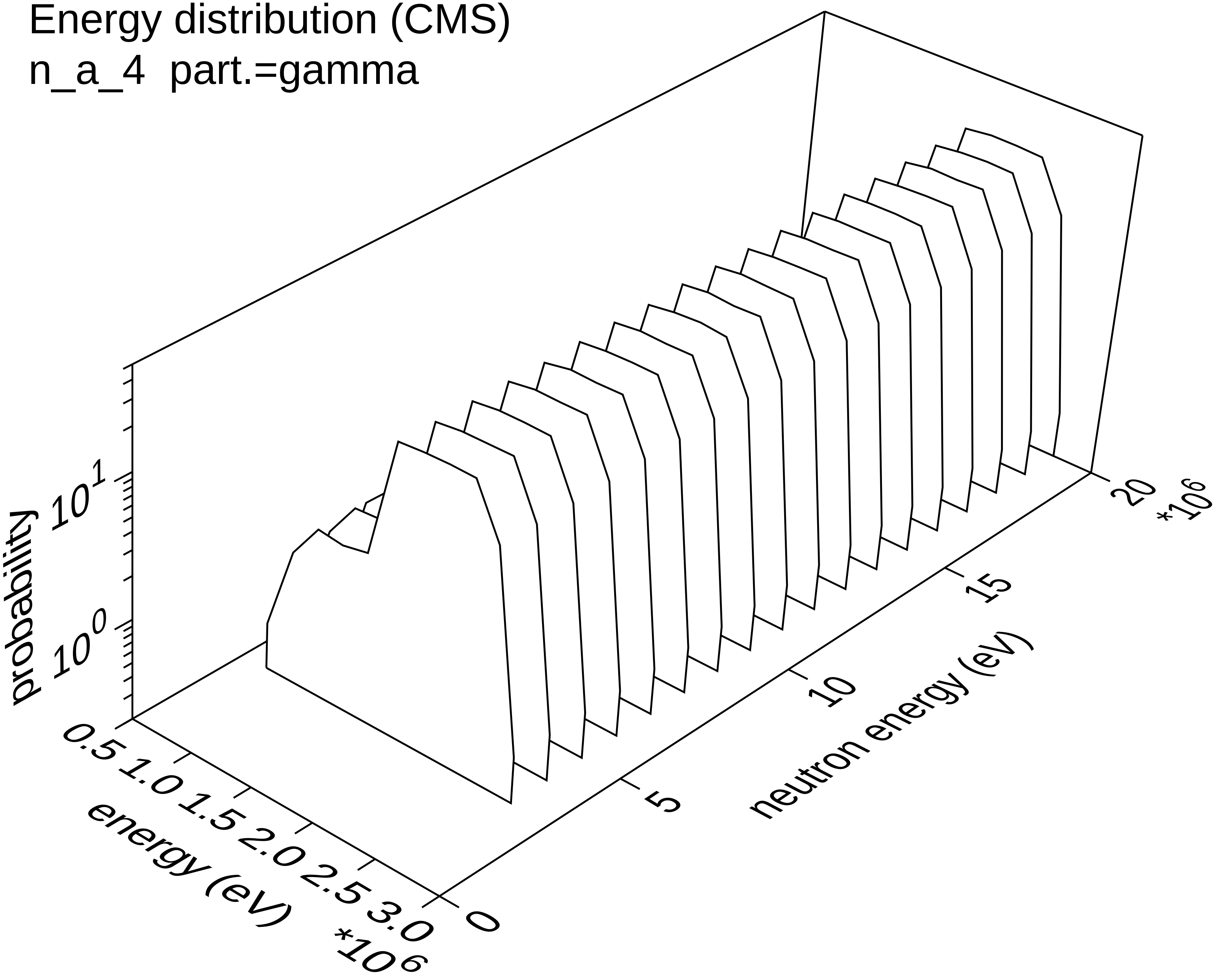
Energy distribution (CMS)
n_a_3 part.=gamma



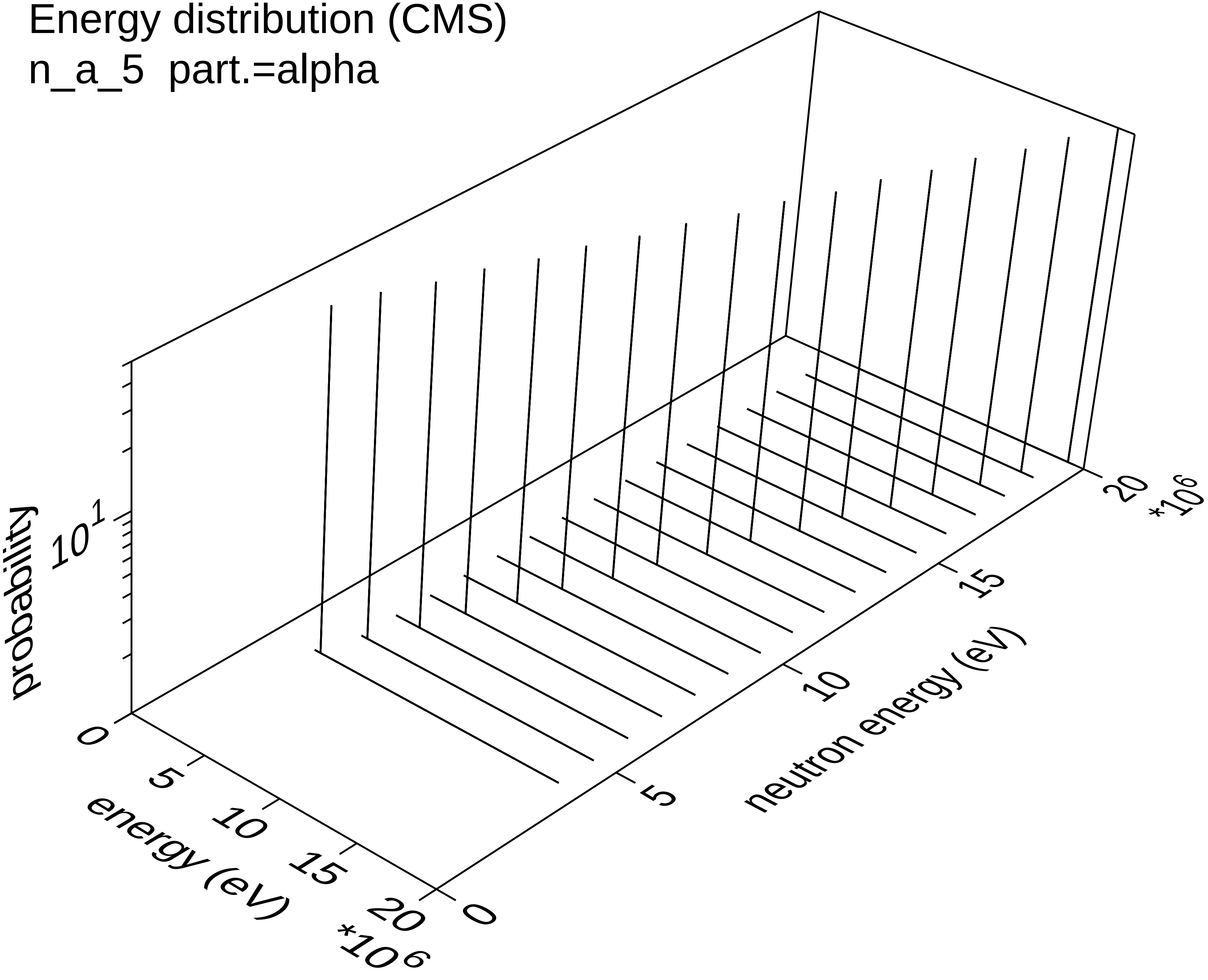
Energy distribution (CMS)
n_a_4 part.=alpha



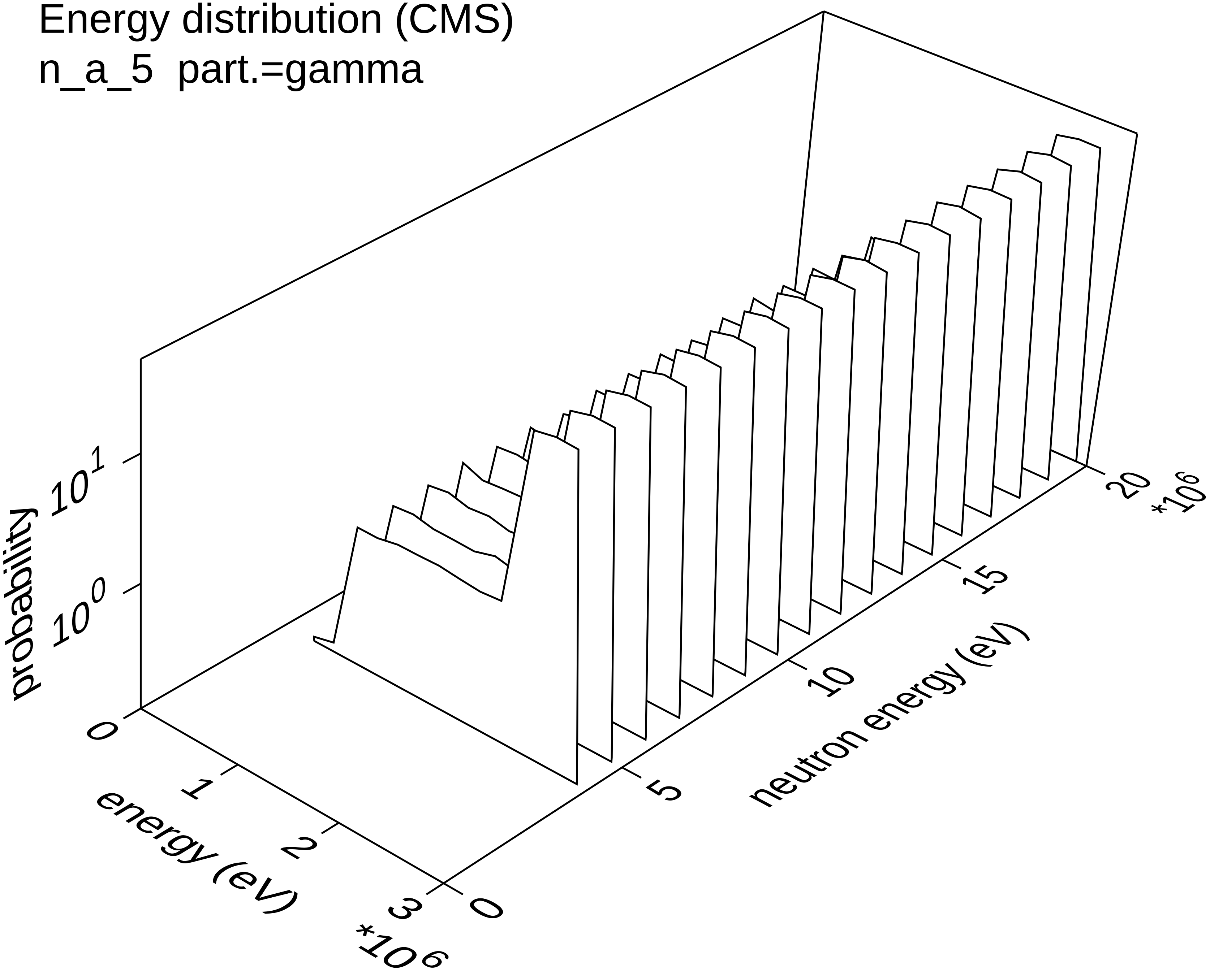
Energy distribution (CMS)
n_a_4 part.=gamma



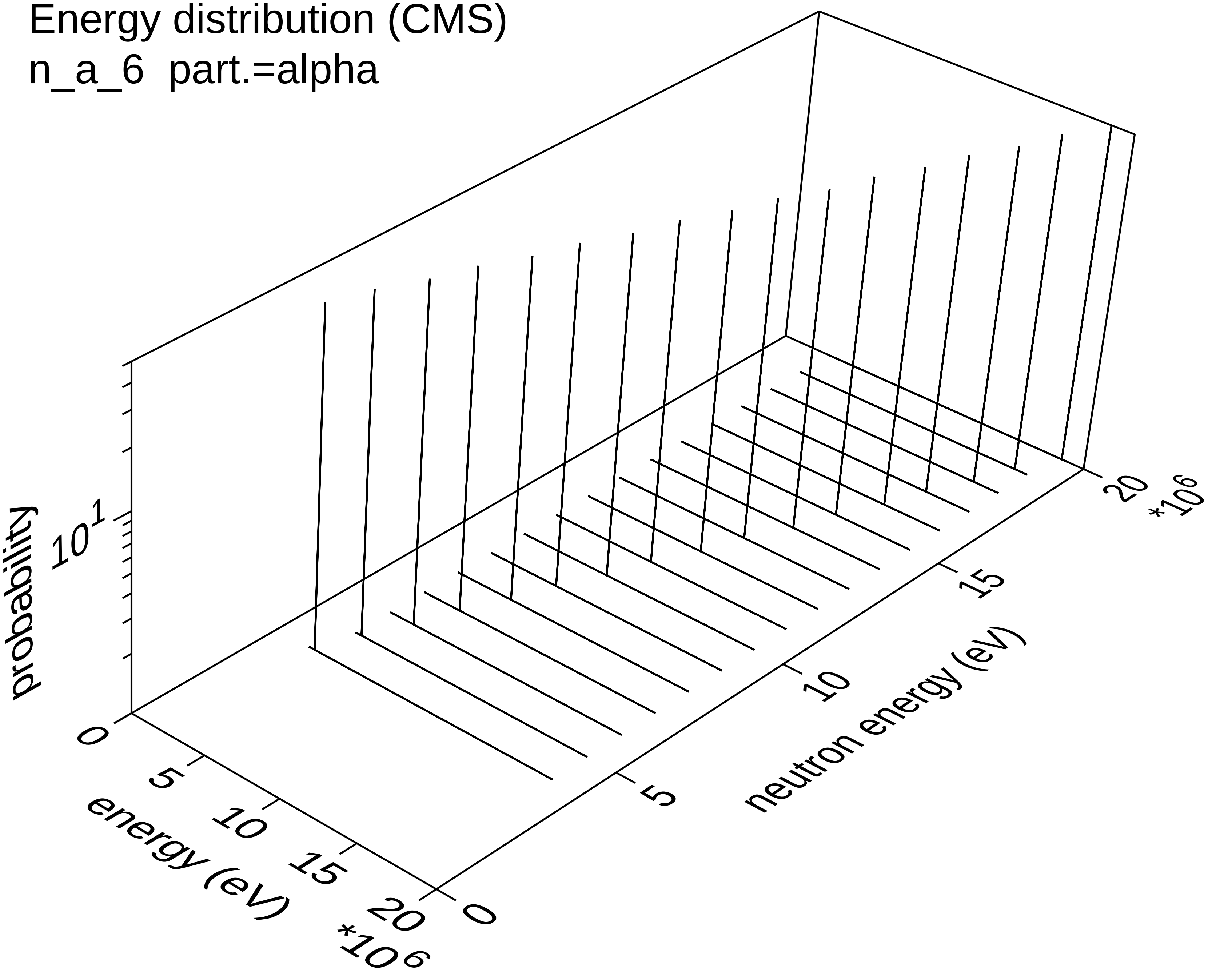
Energy distribution (CMS)
n_a_5 part.=alpha



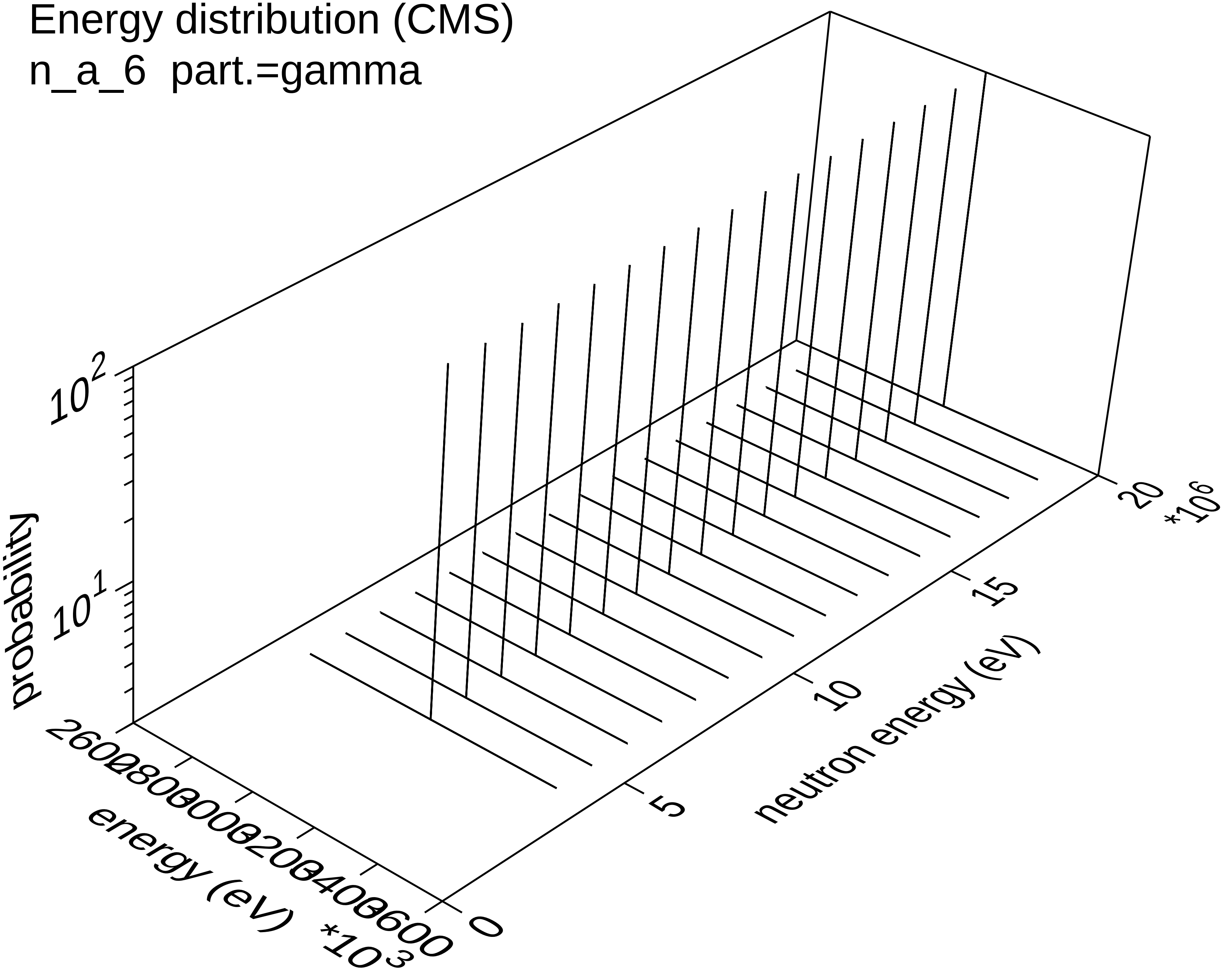
Energy distribution (CMS)
n_a_5 part.=gamma

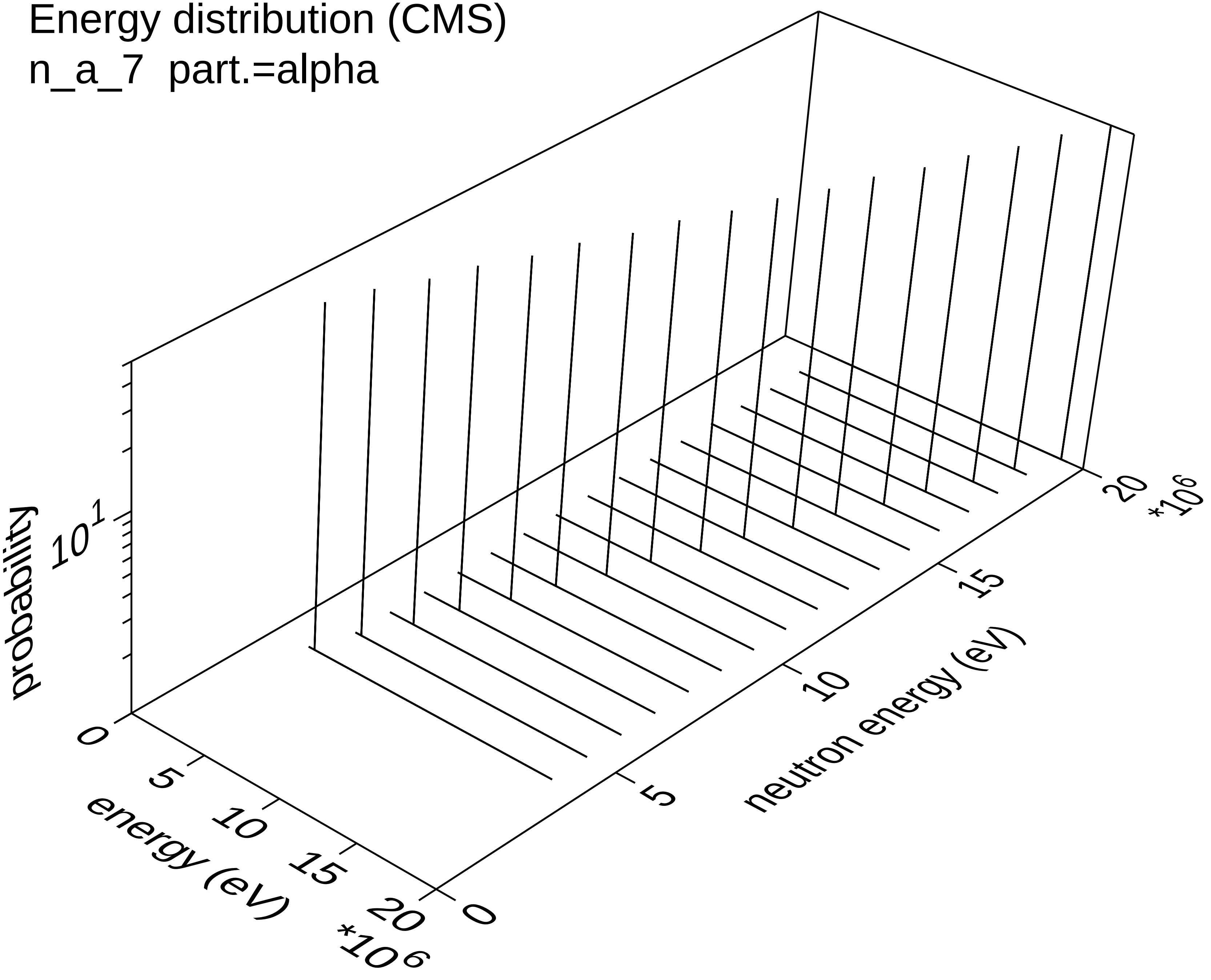


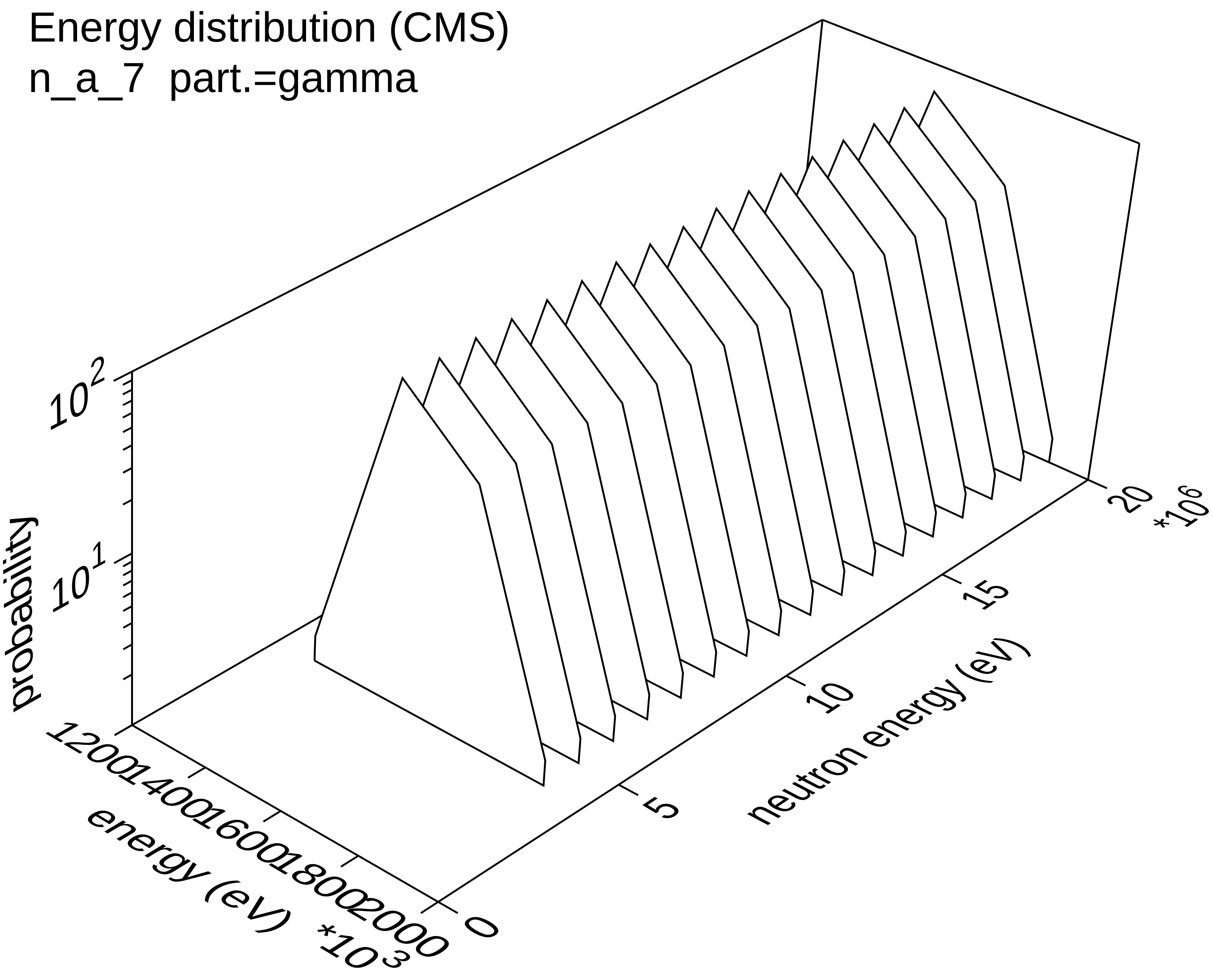
Energy distribution (CMS)
n_a_6 part.=alpha



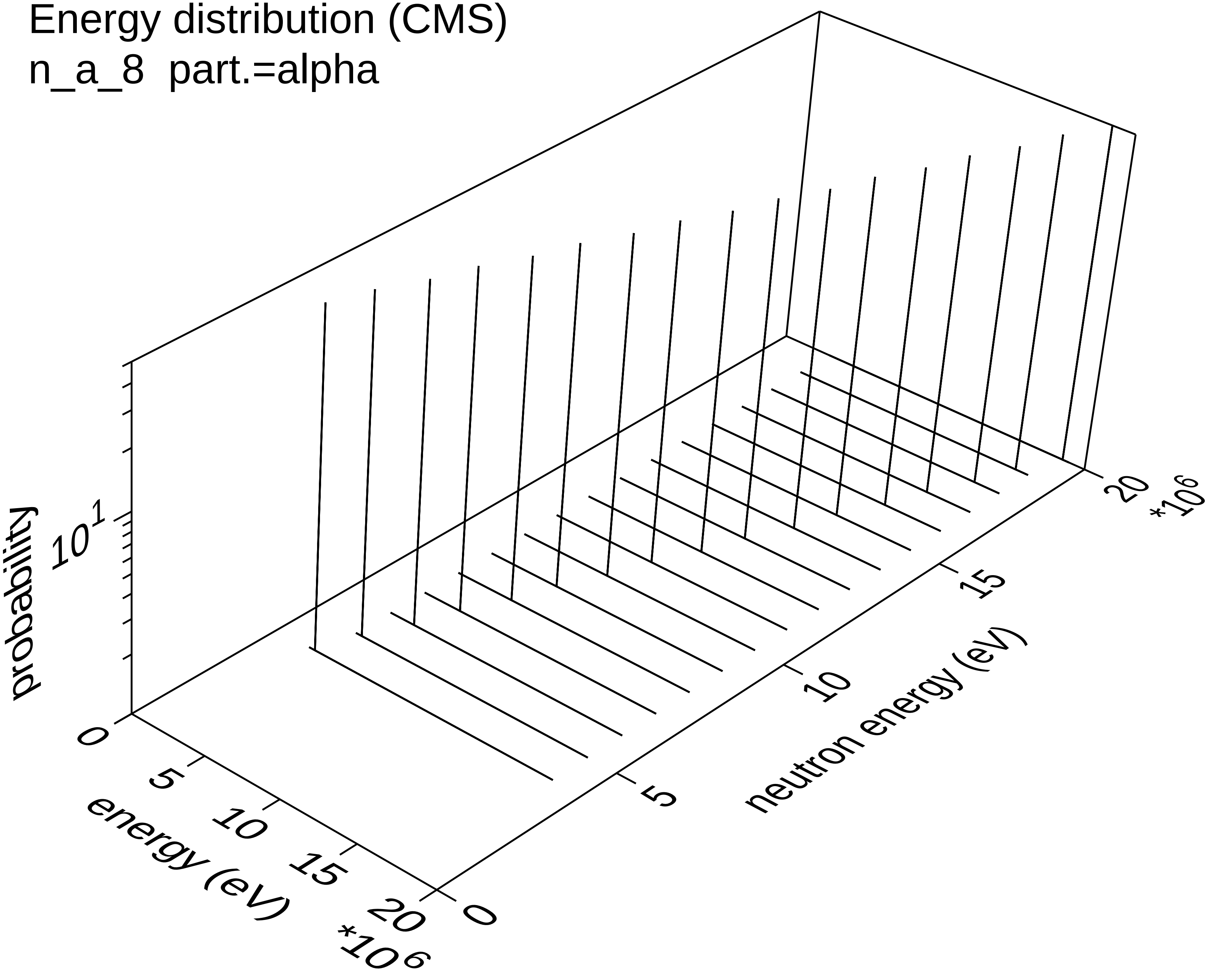
Energy distribution (CMS)
n_a_6 part.=gamma



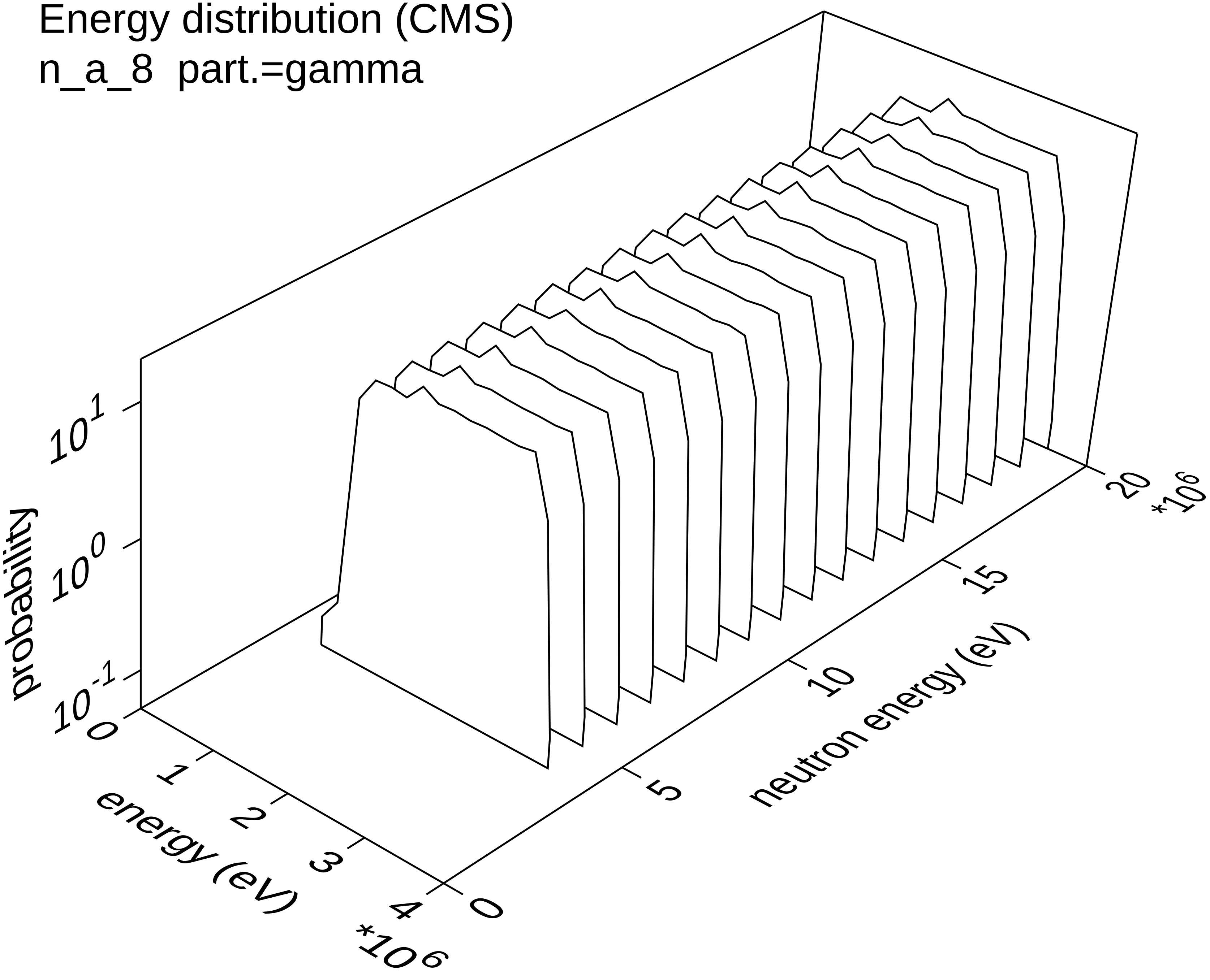

Energy distribution (CMS)
n_a_7 part.=alpha


Energy distribution (CMS)
n_a_7 part.=gamma
probability
10^2
10^1
1200
1400
1600
1800
2000
energy (eV)
$*10^3$
0
5
10
15
20
$*10^6$
neutron energy (eV)

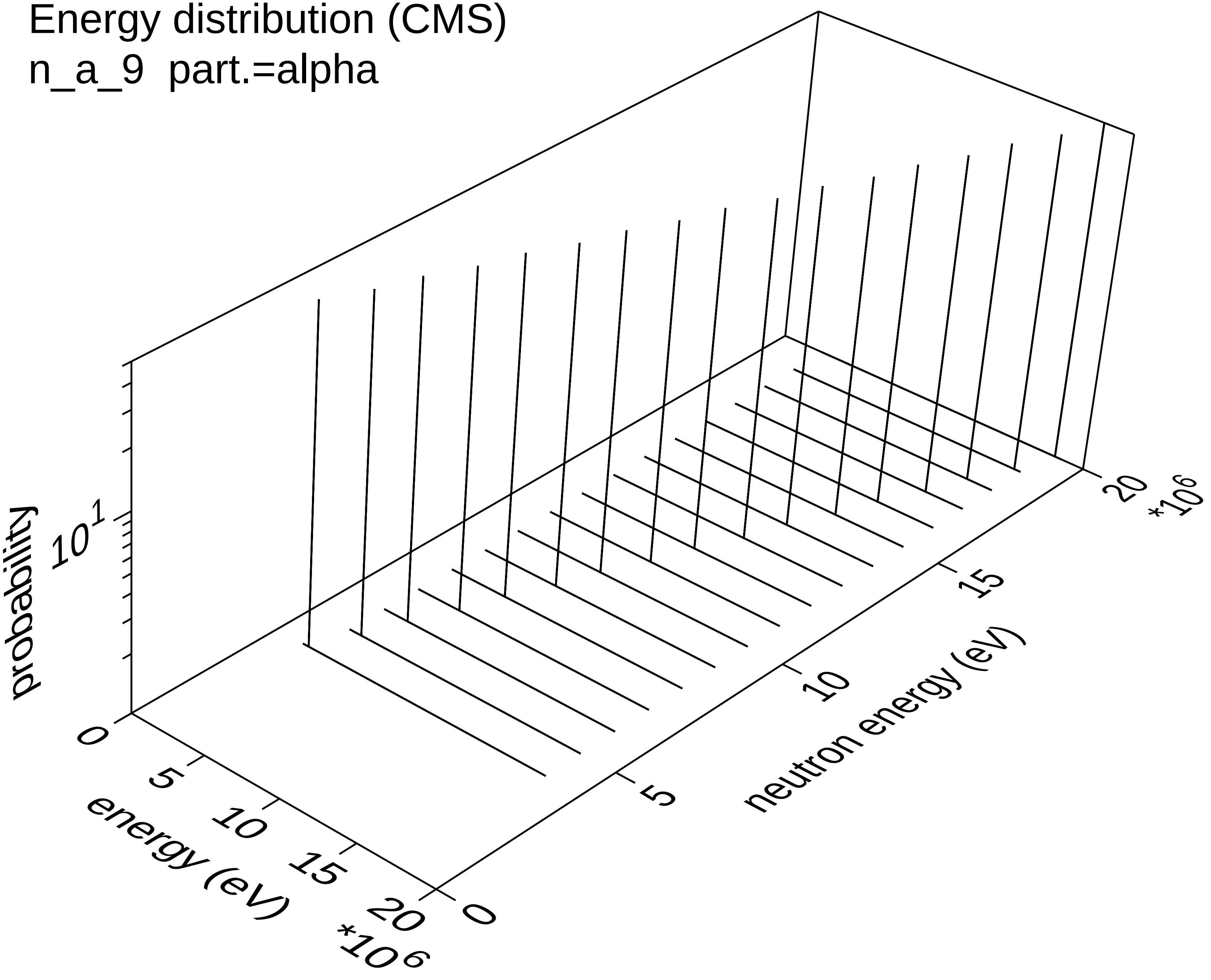
Energy distribution (CMS)
n_a_8 part.=alpha



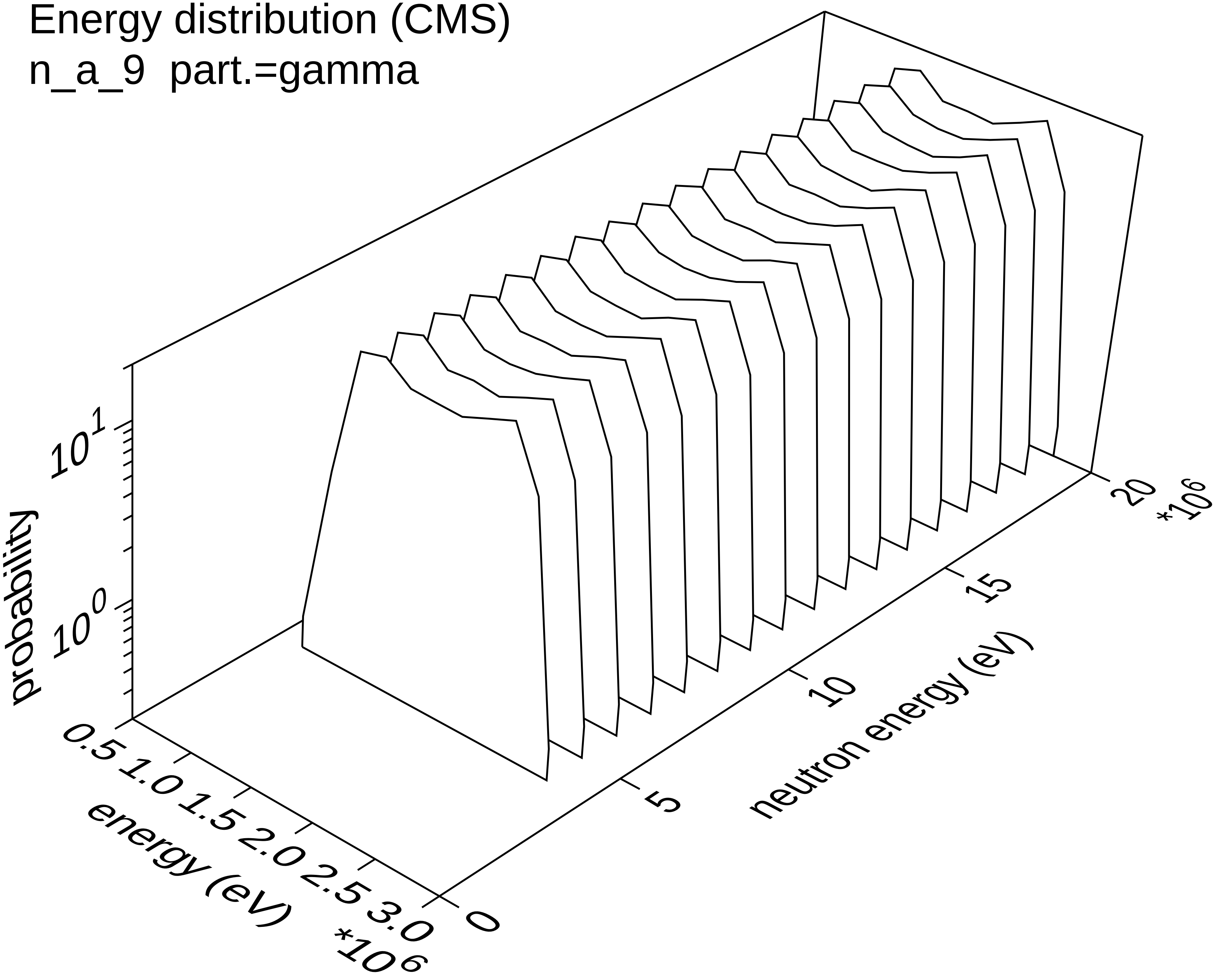
Energy distribution (CMS)
n_a_8 part.=gamma



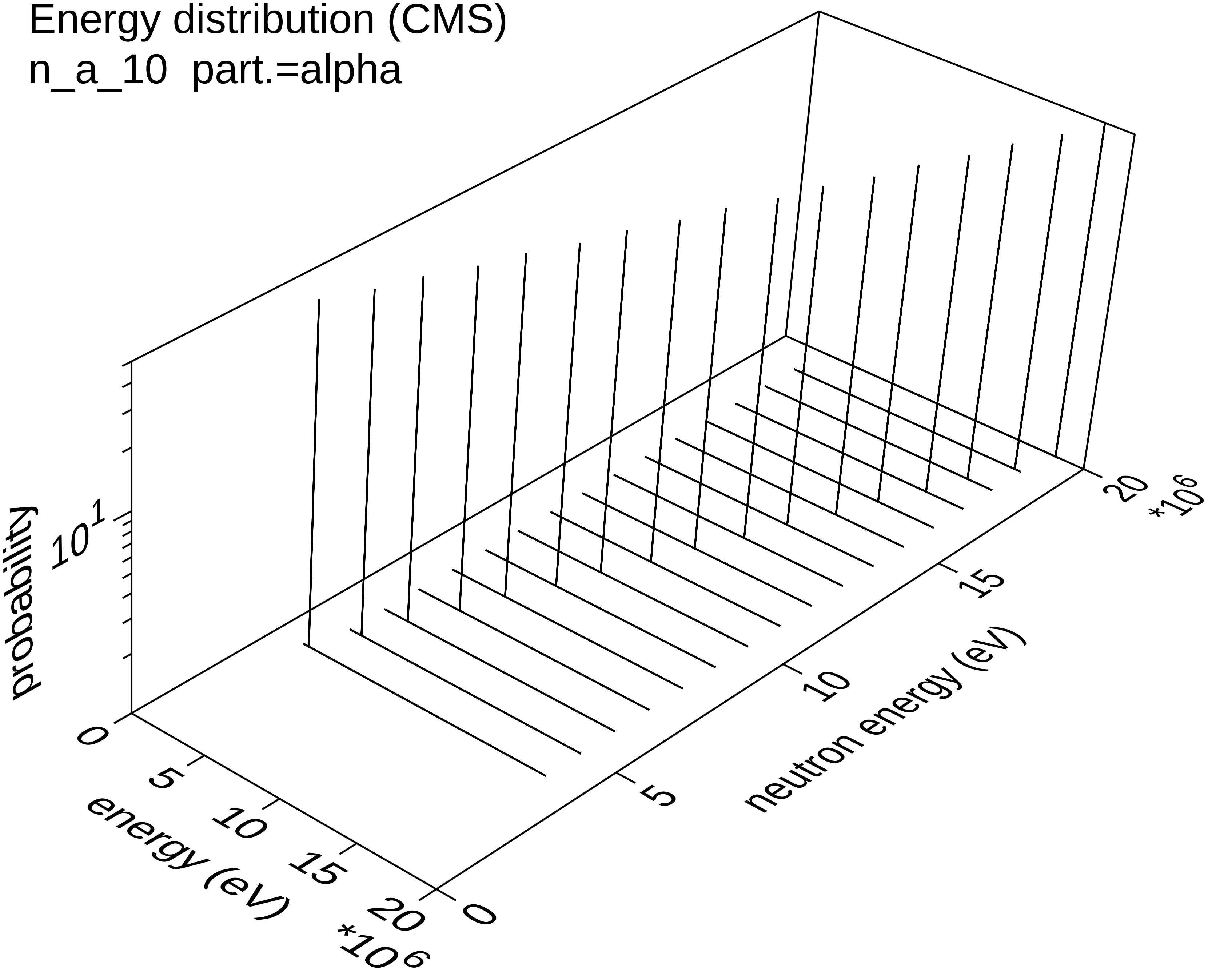
Energy distribution (CMS)
n_a_9 part.=alpha



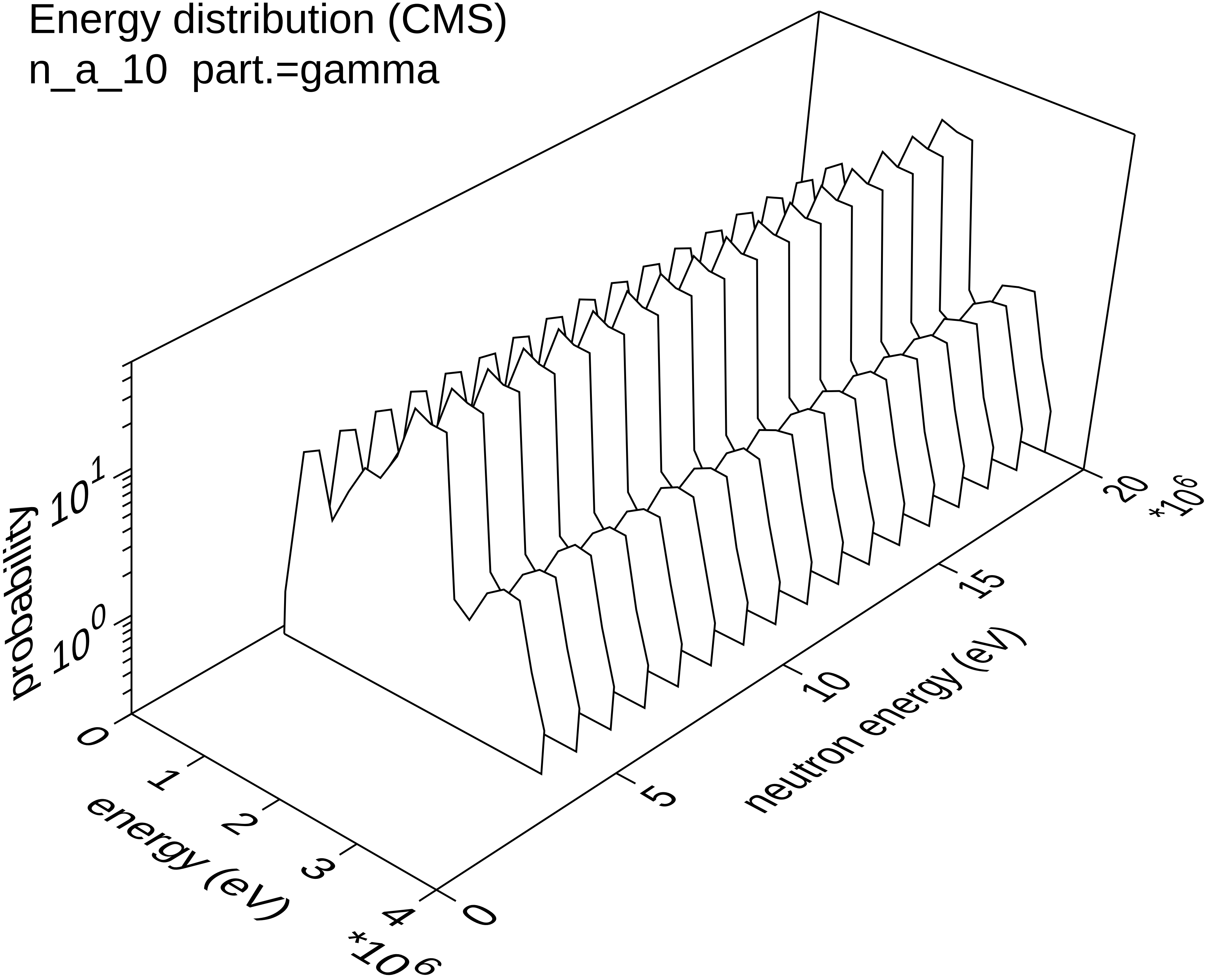
Energy distribution (CMS)
n_a_9 part.=gamma



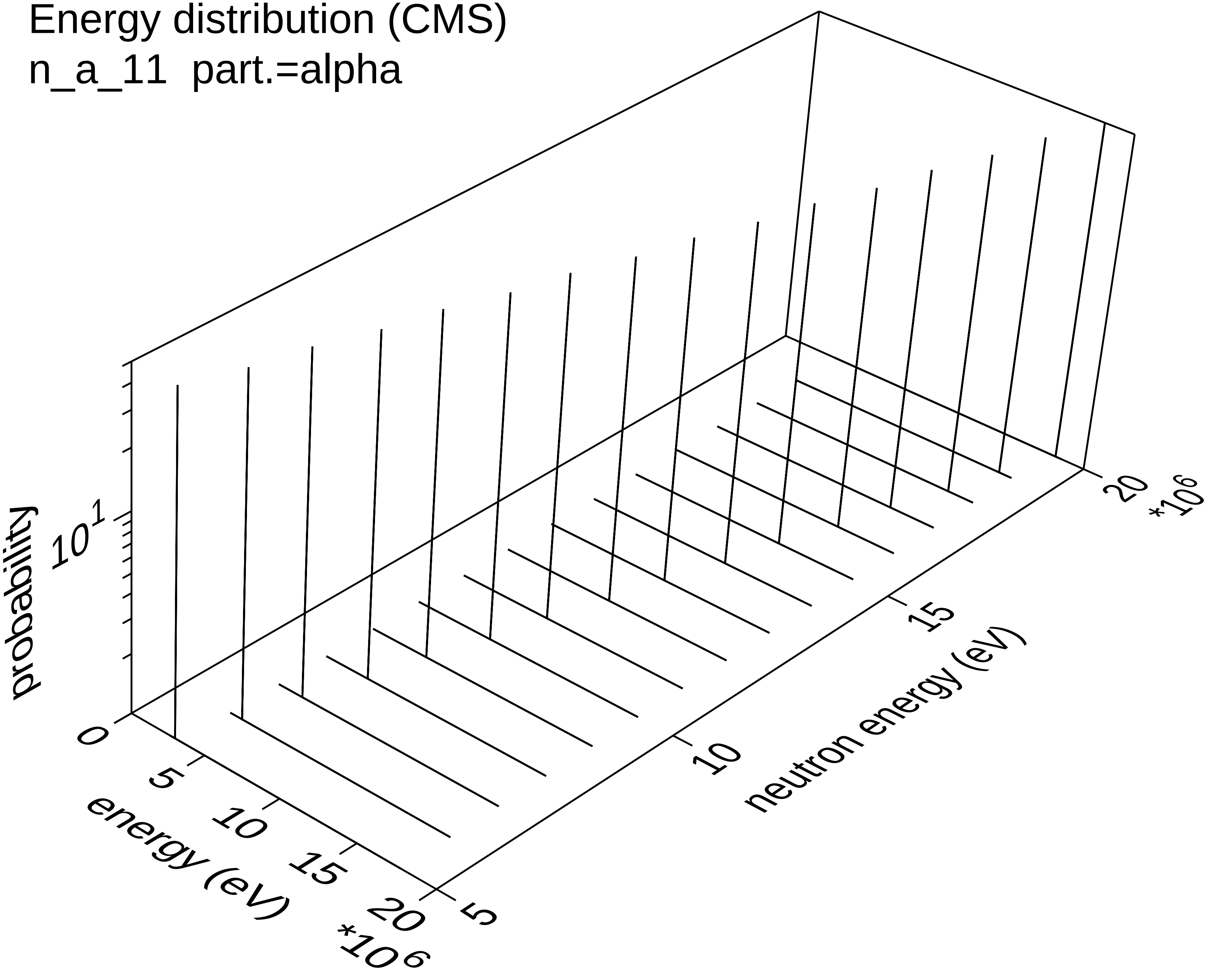
Energy distribution (CMS)
n_a_10 part.=alpha



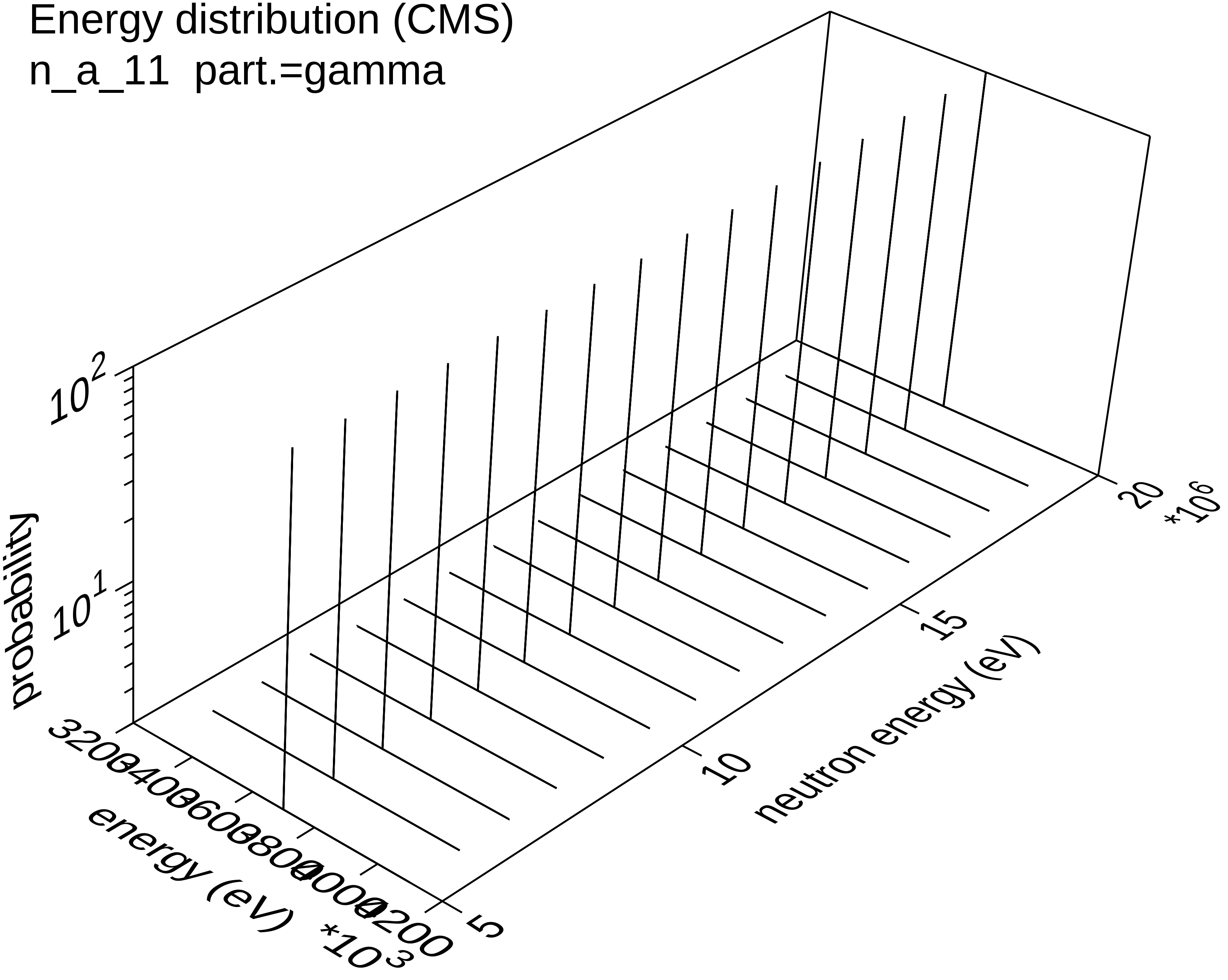
Energy distribution (CMS)
n_a_10 part.=gamma



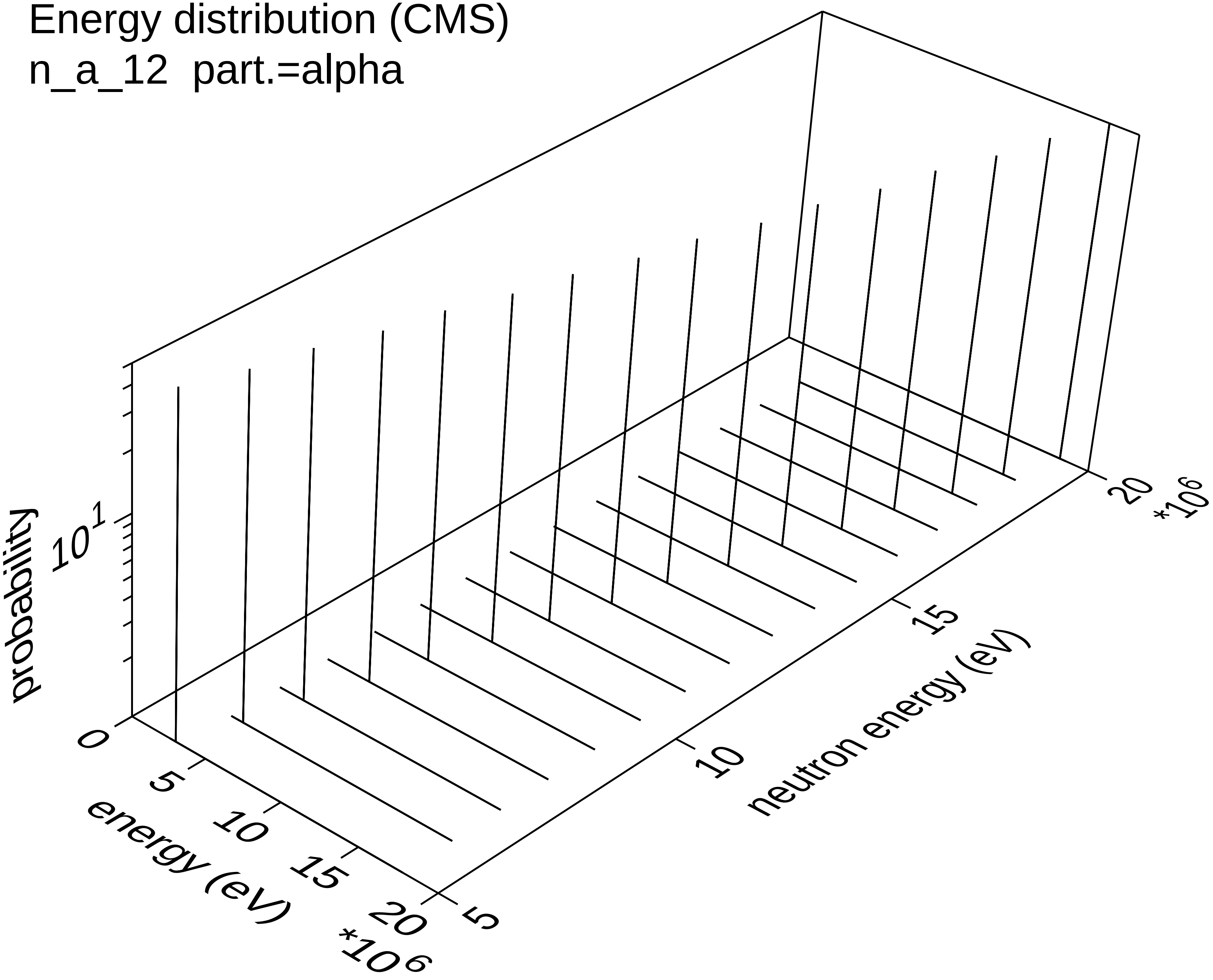
Energy distribution (CMS)
n_a_11 part.=alpha



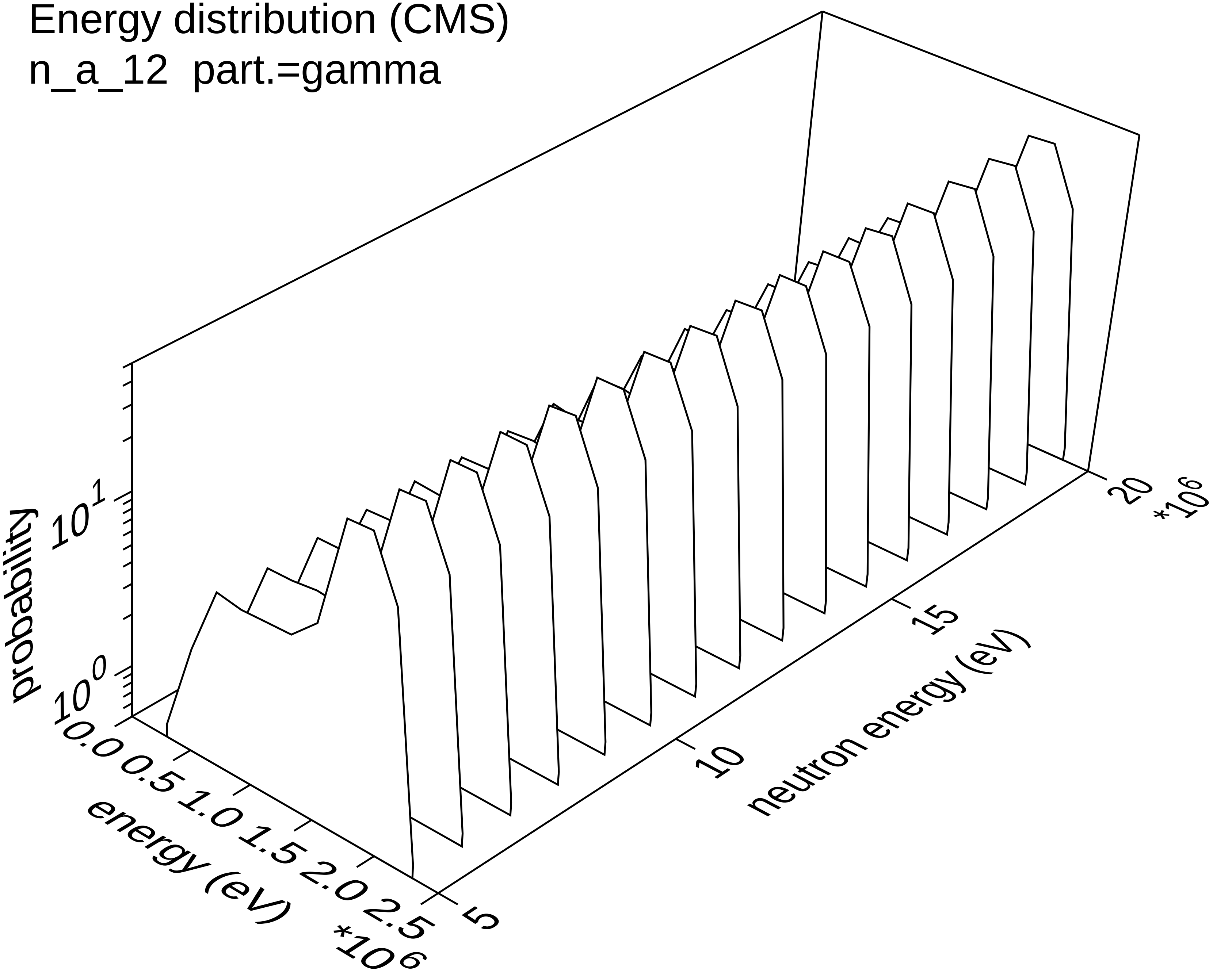
Energy distribution (CMS)
n_a_11 part.=gamma



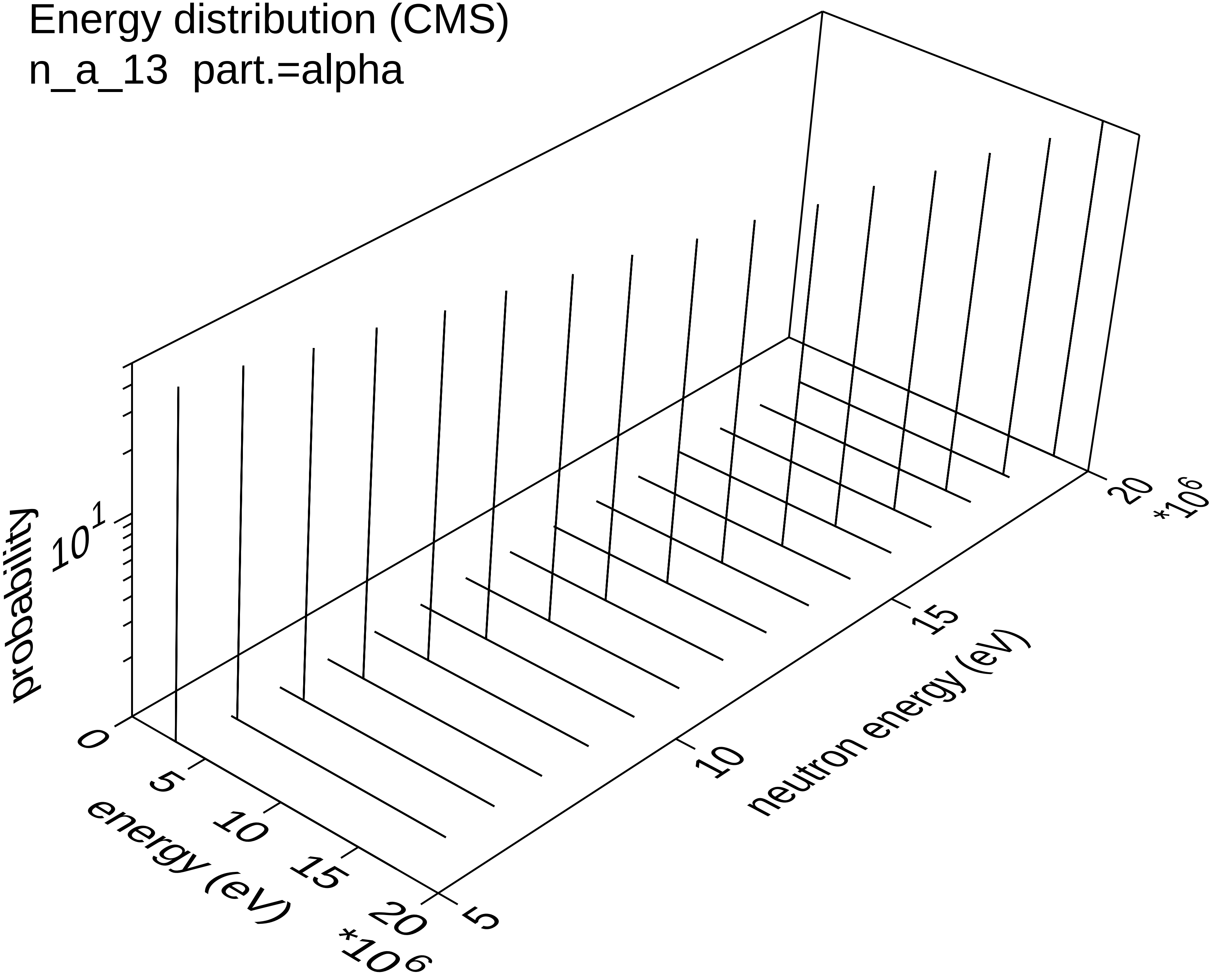
Energy distribution (CMS)
n_a_12 part.=alpha



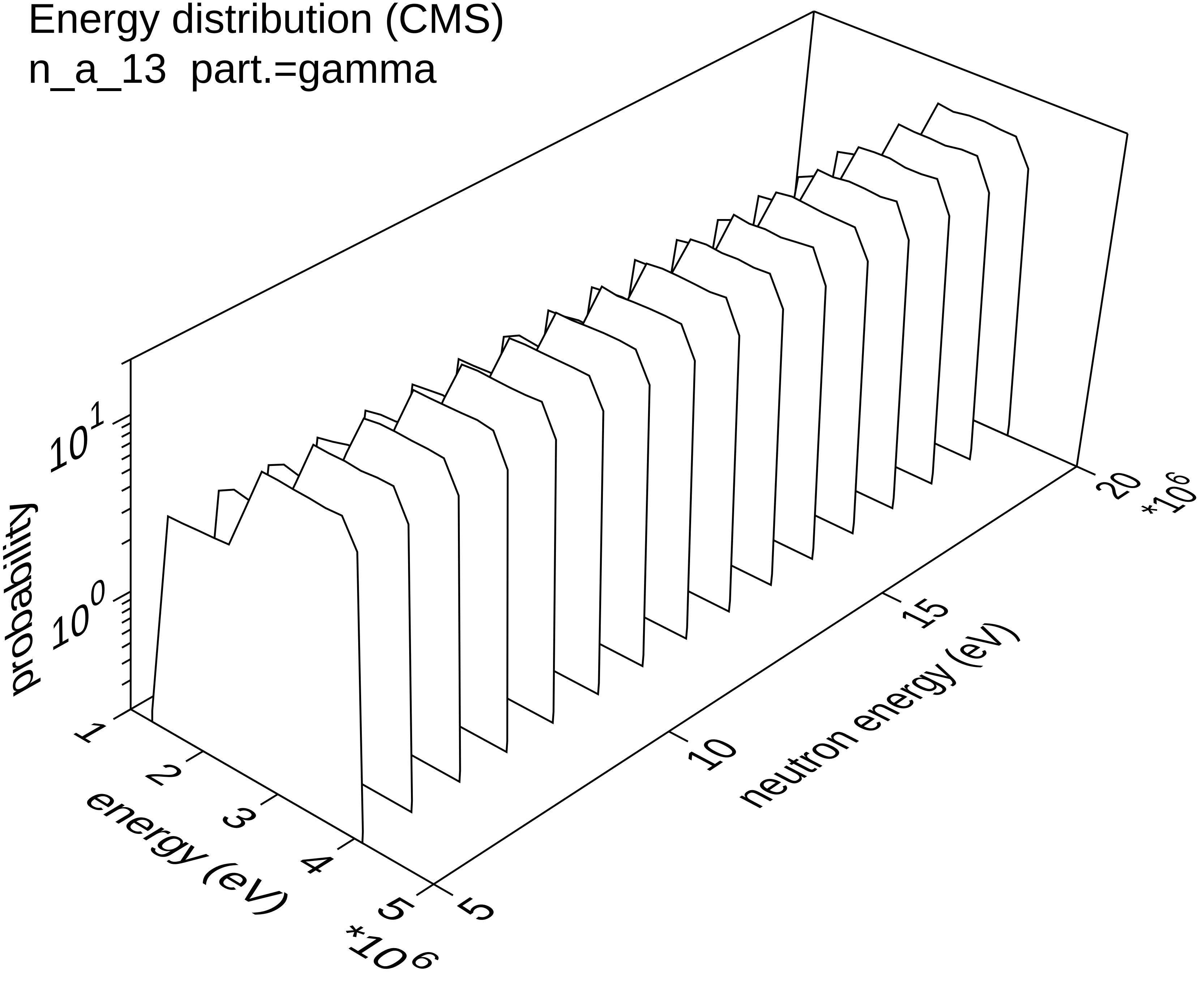
Energy distribution (CMS)
n_a_12 part.=gamma



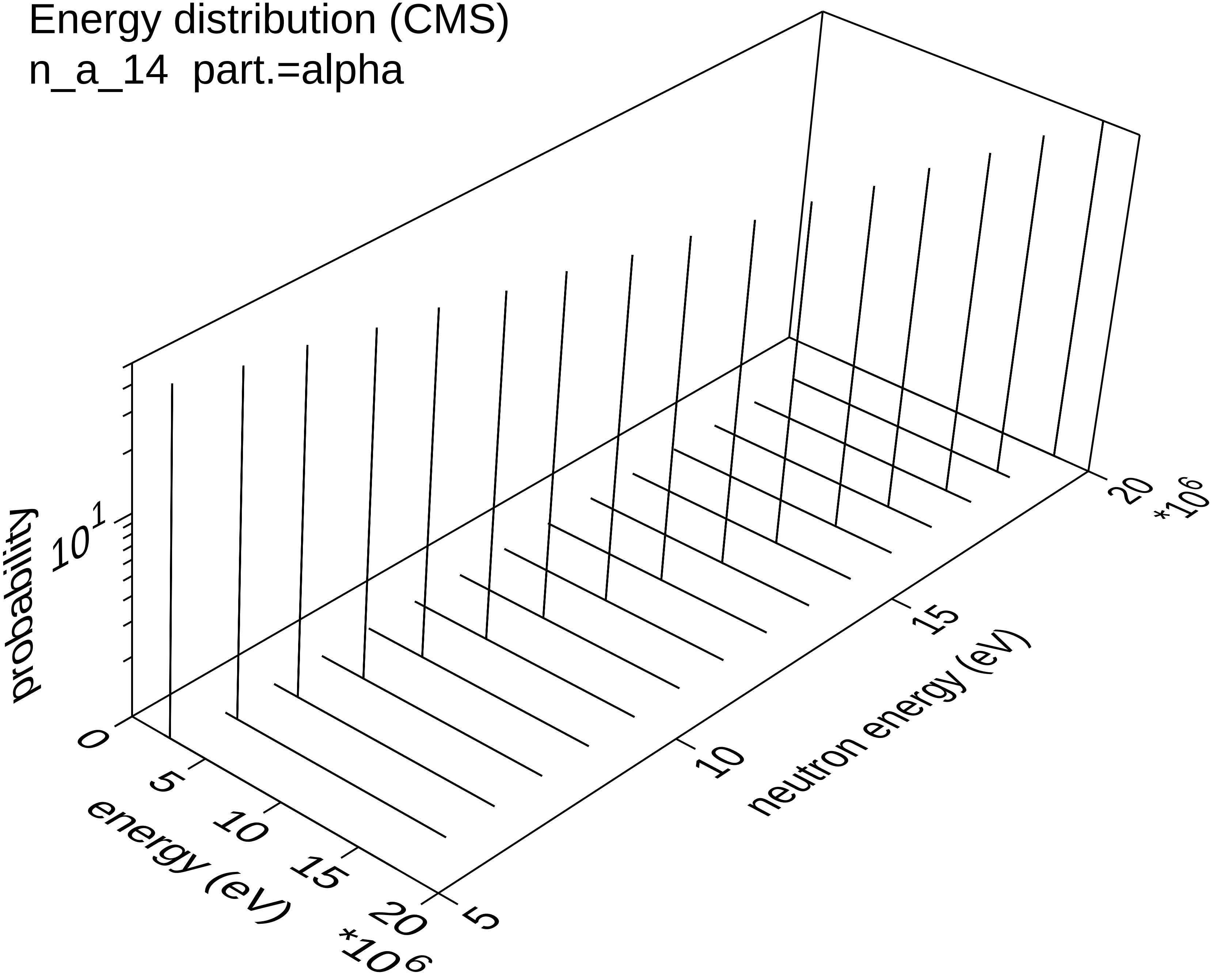
Energy distribution (CMS)
n_a_13 part.=alpha



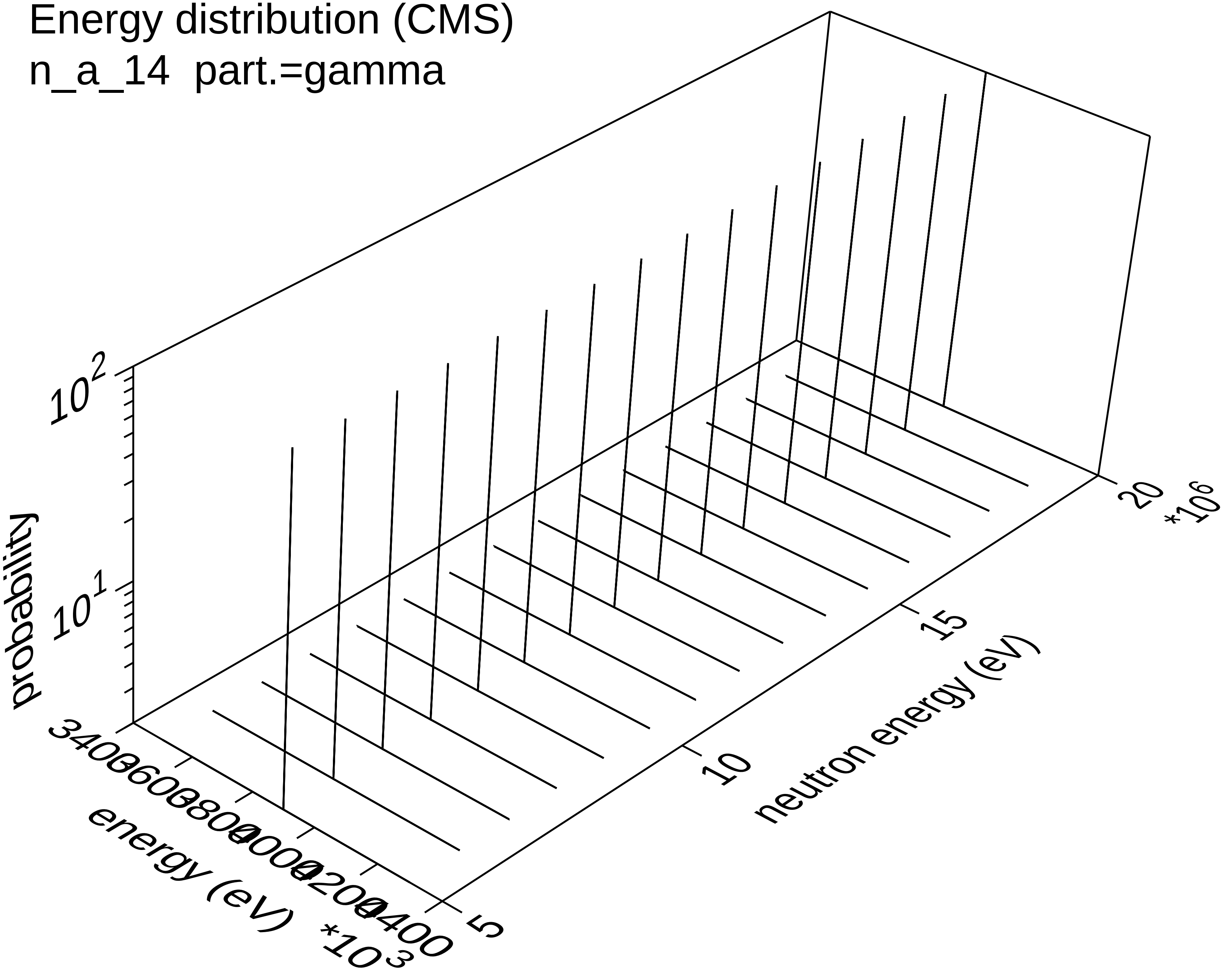
Energy distribution (CMS)
n_a_13 part.=gamma



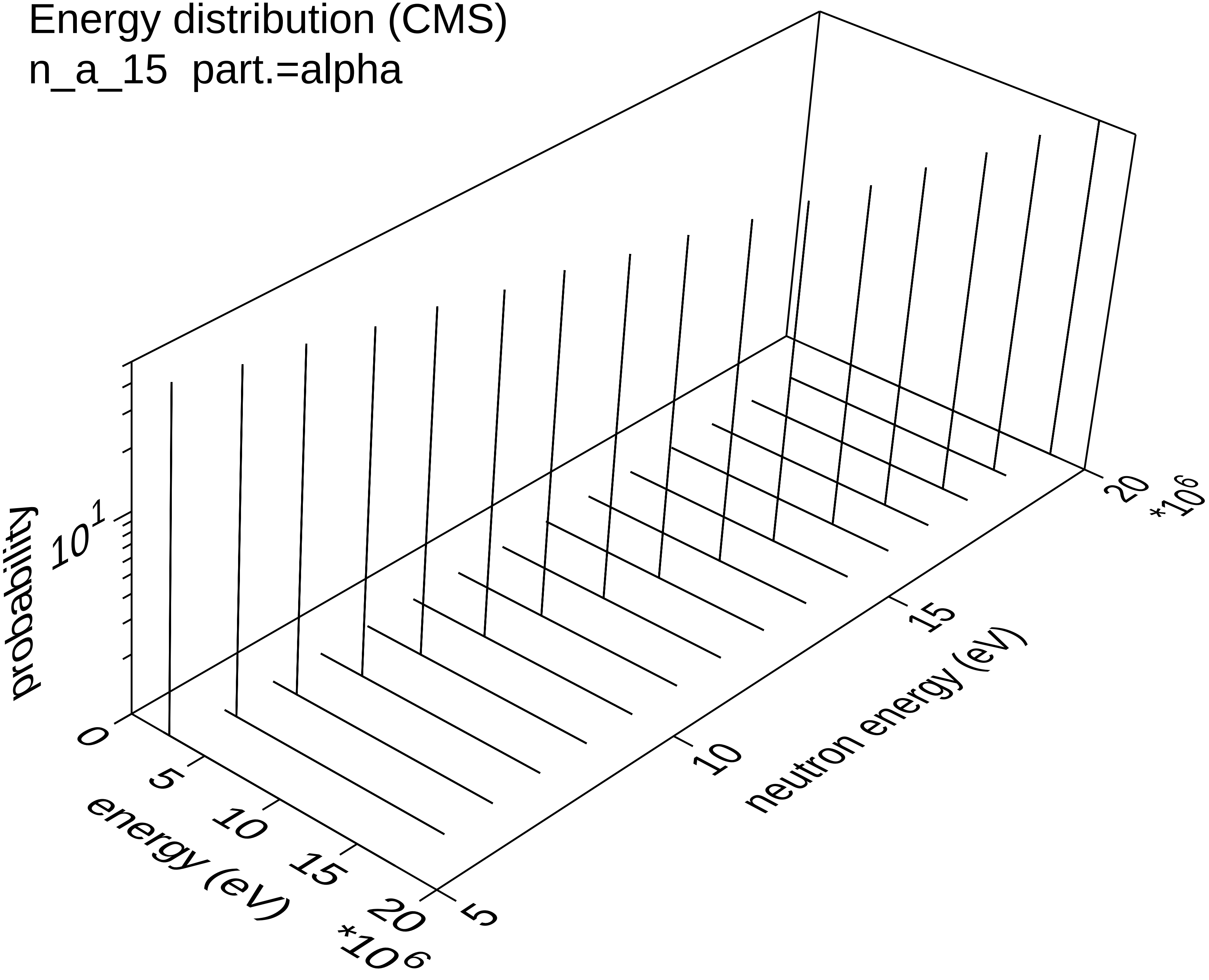
Energy distribution (CMS)
n_a_14 part.=alpha



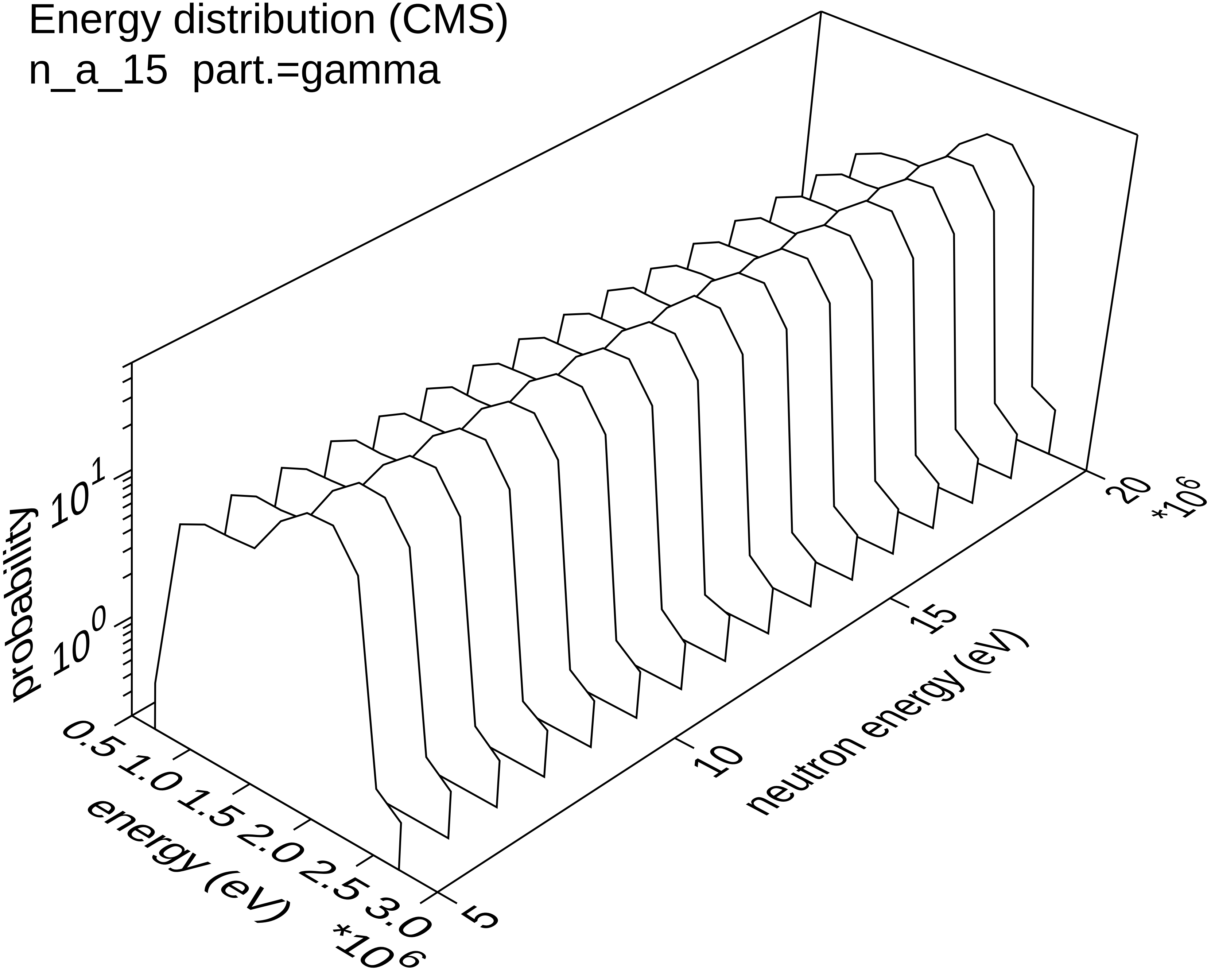
Energy distribution (CMS)
n_a_14 part.=gamma



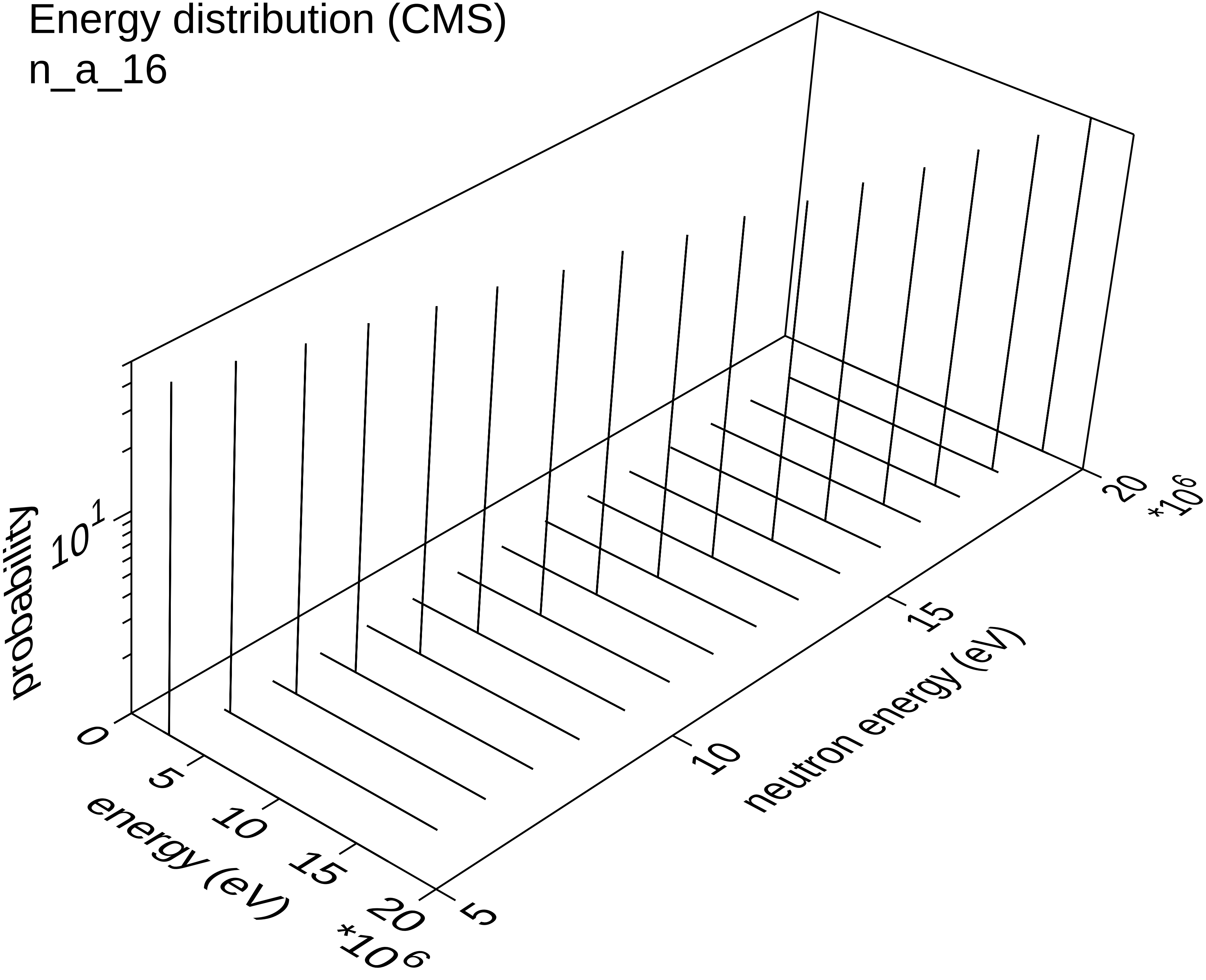
Energy distribution (CMS)
n_a_15 part.=alpha

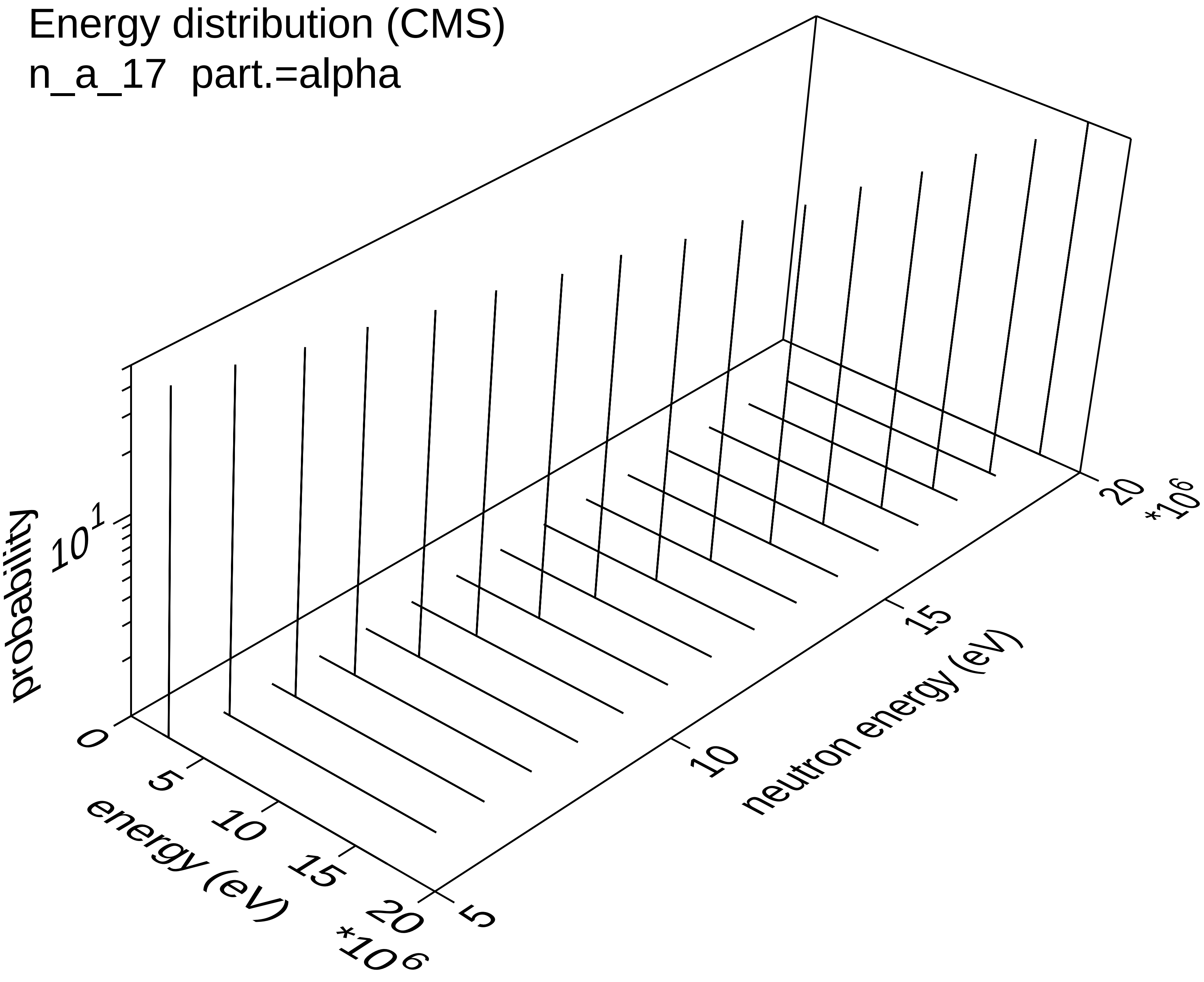


Energy distribution (CMS)
n_a_15 part.=gamma

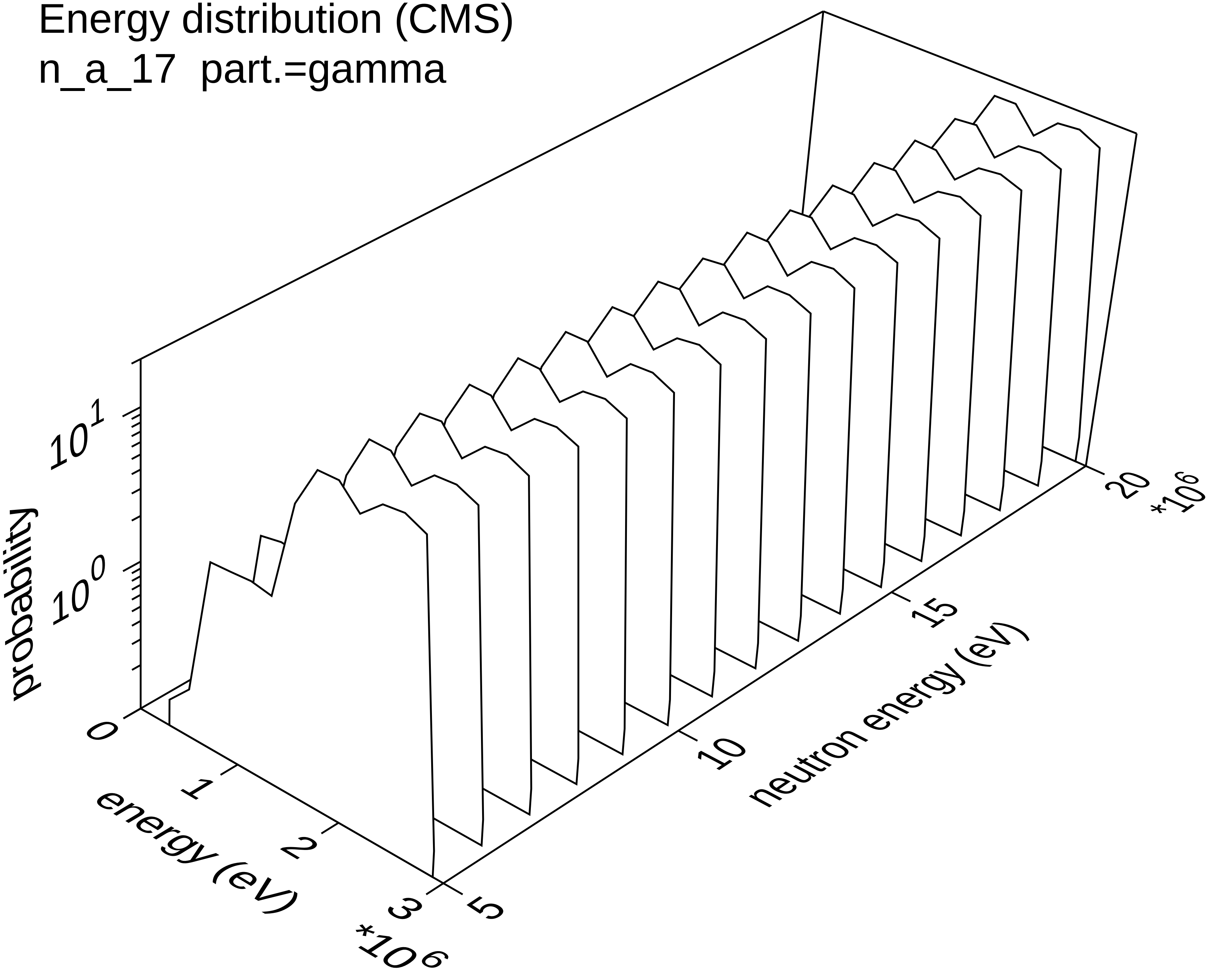


Energy distribution (CMS)
n_a_16

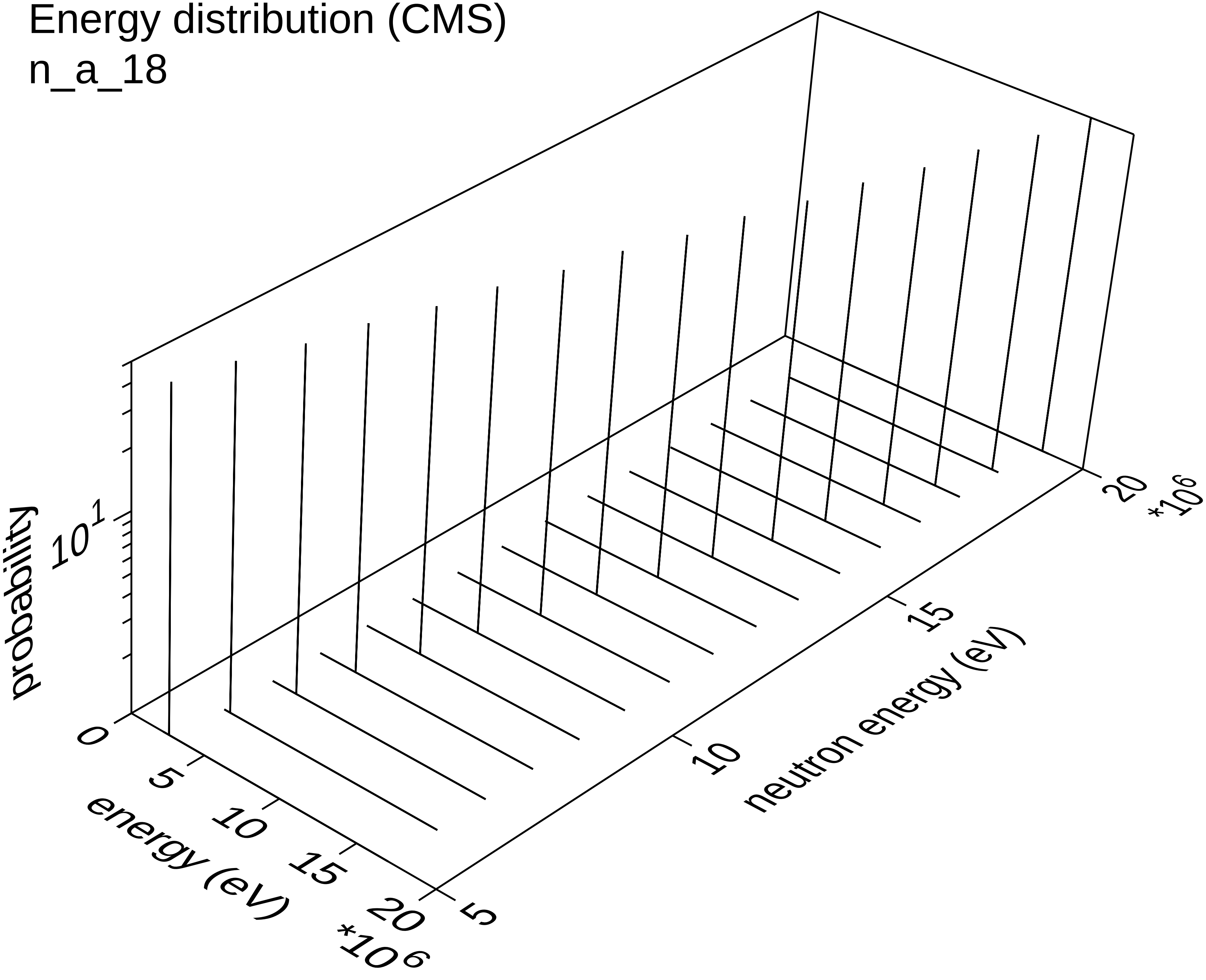



Energy distribution (CMS)
n_a_17 part.=alpha
probability
10^1
0
5
10
15
20
$*10^6$
energy (eV)
5
10
15
20
$*10^6$
neutron energy (eV)

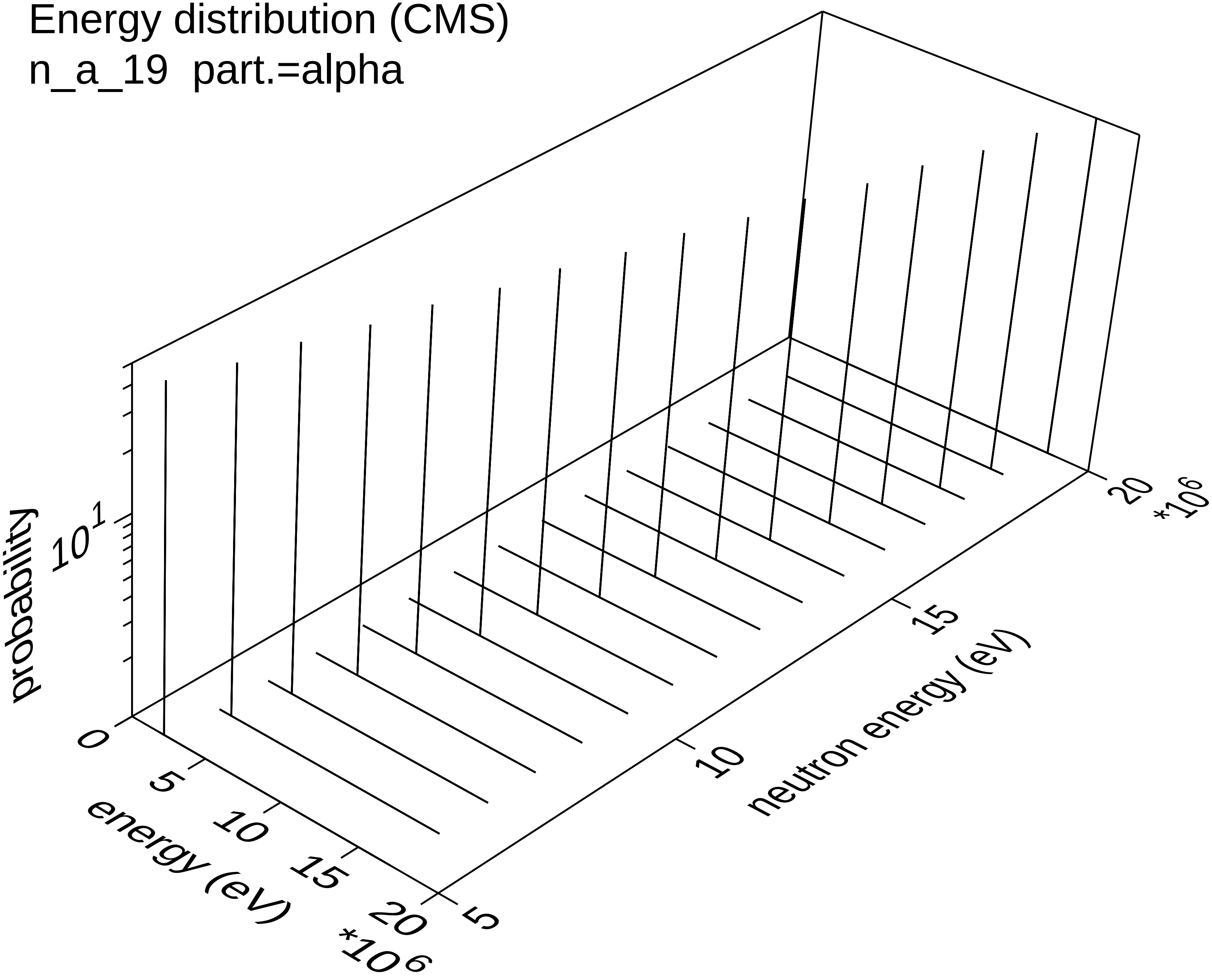
Energy distribution (CMS)
n_a_17 part.=gamma



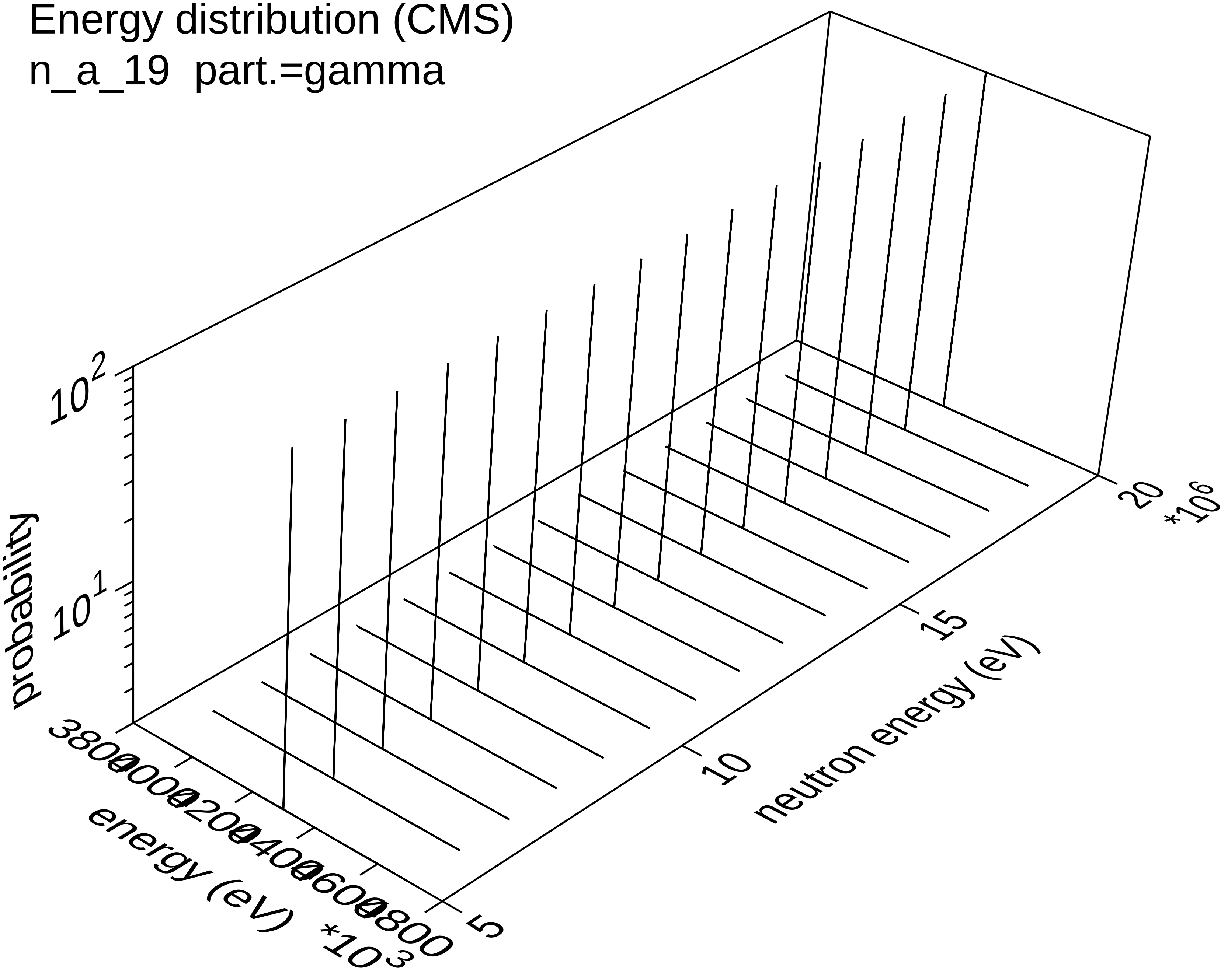
Energy distribution (CMS)
n_a_18

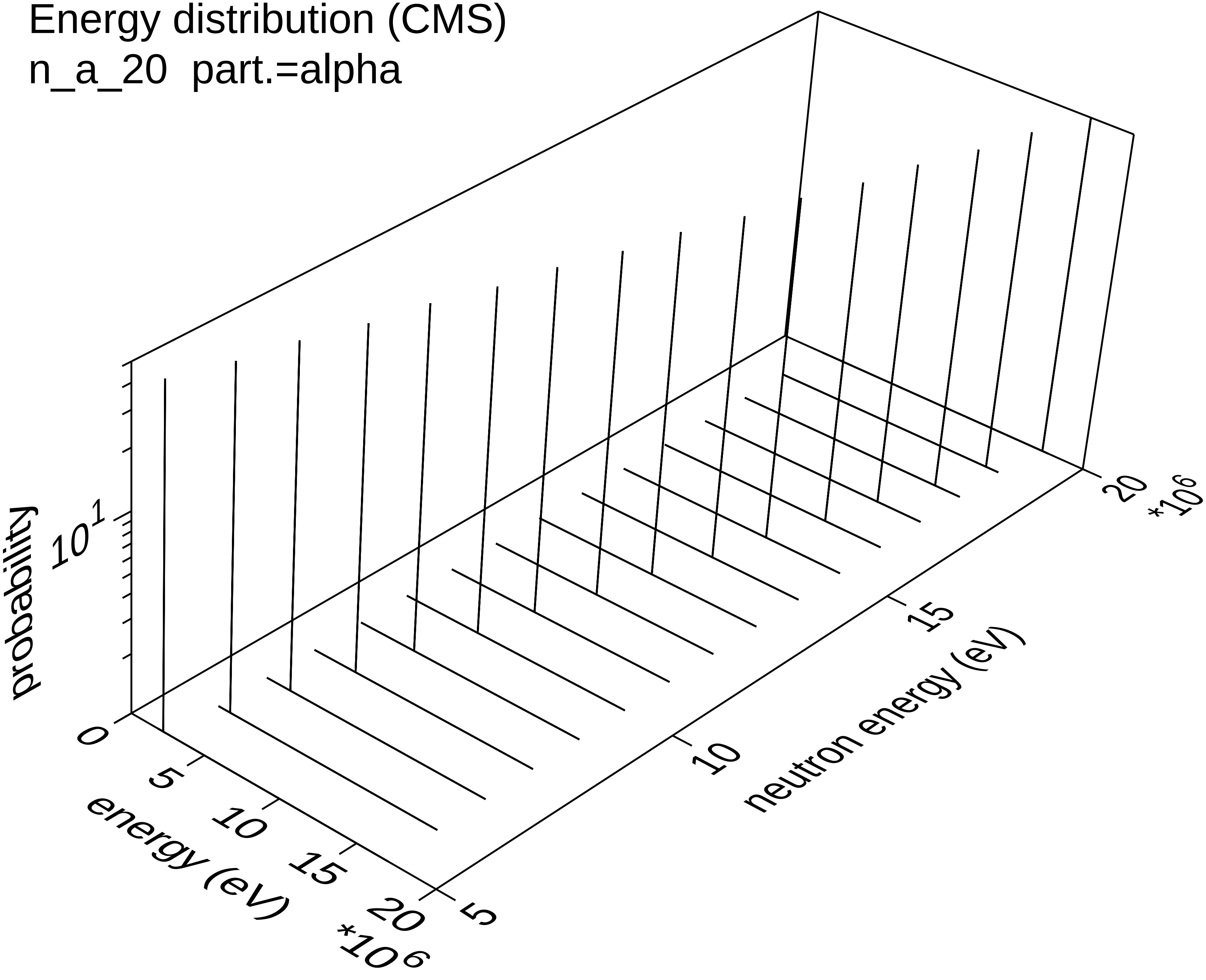


Energy distribution (CMS)
n_a_19 part.=alpha

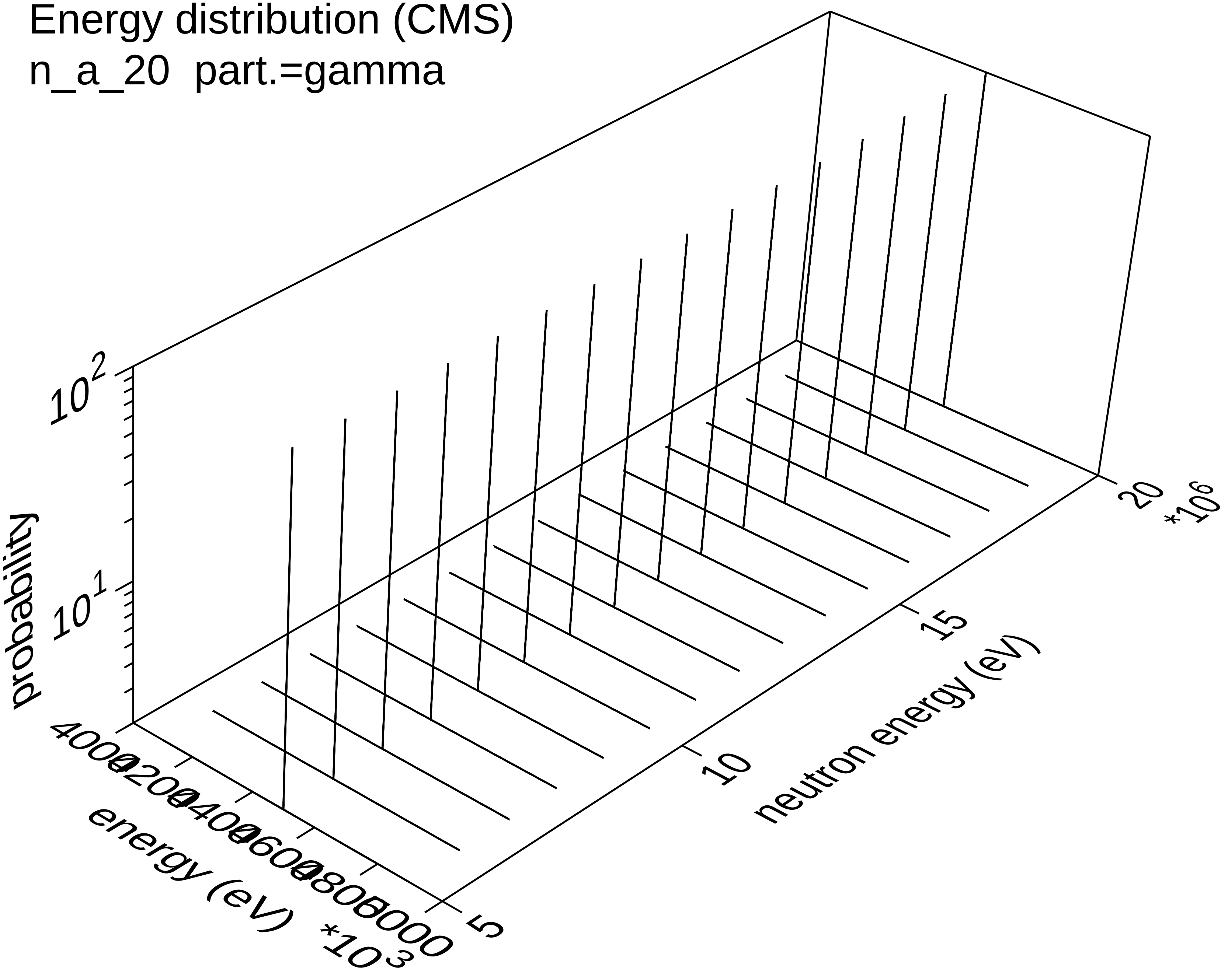


Energy distribution (CMS)
n_a_19 part.=gamma

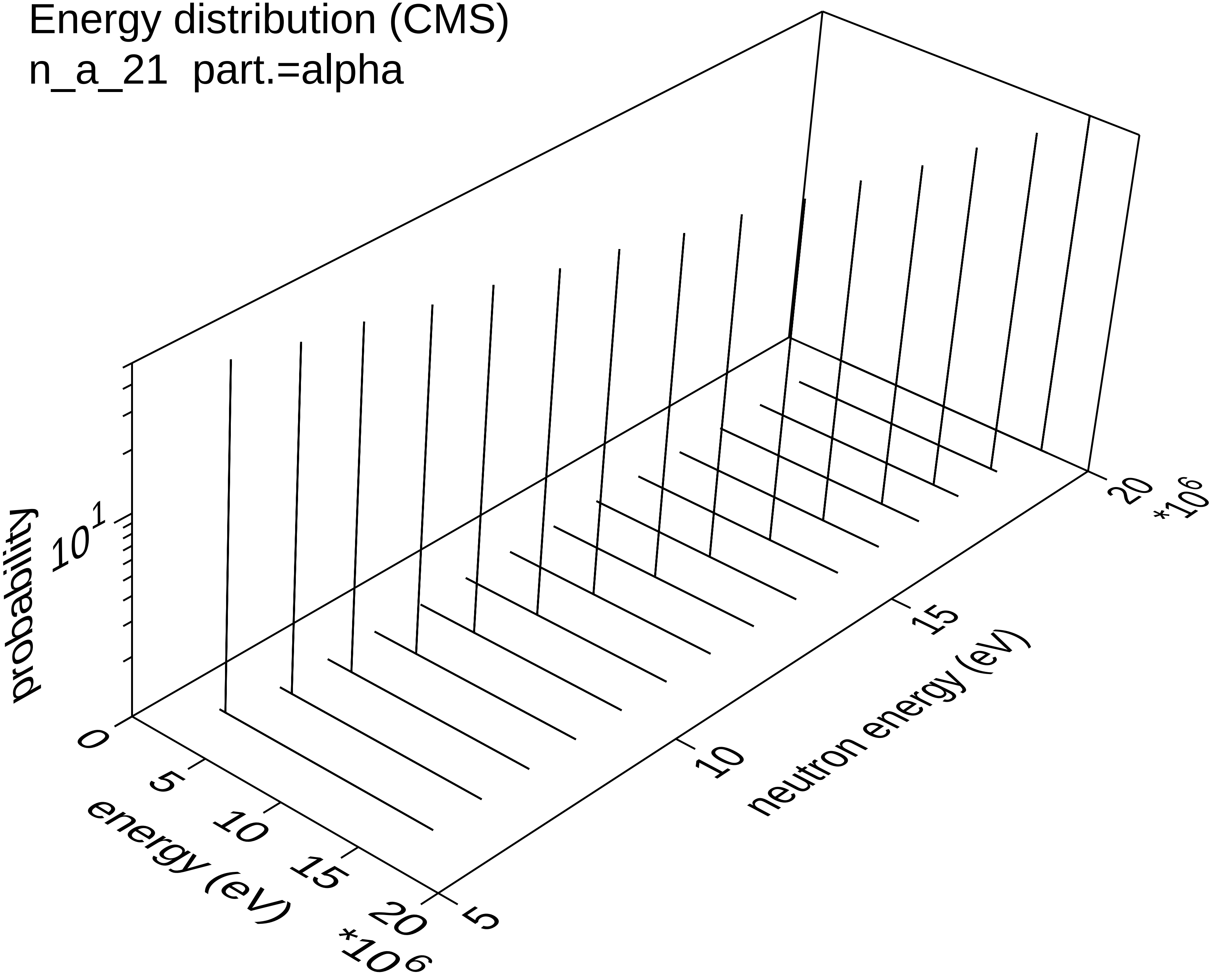



Energy distribution (CMS)
n_a_20 part.=alpha

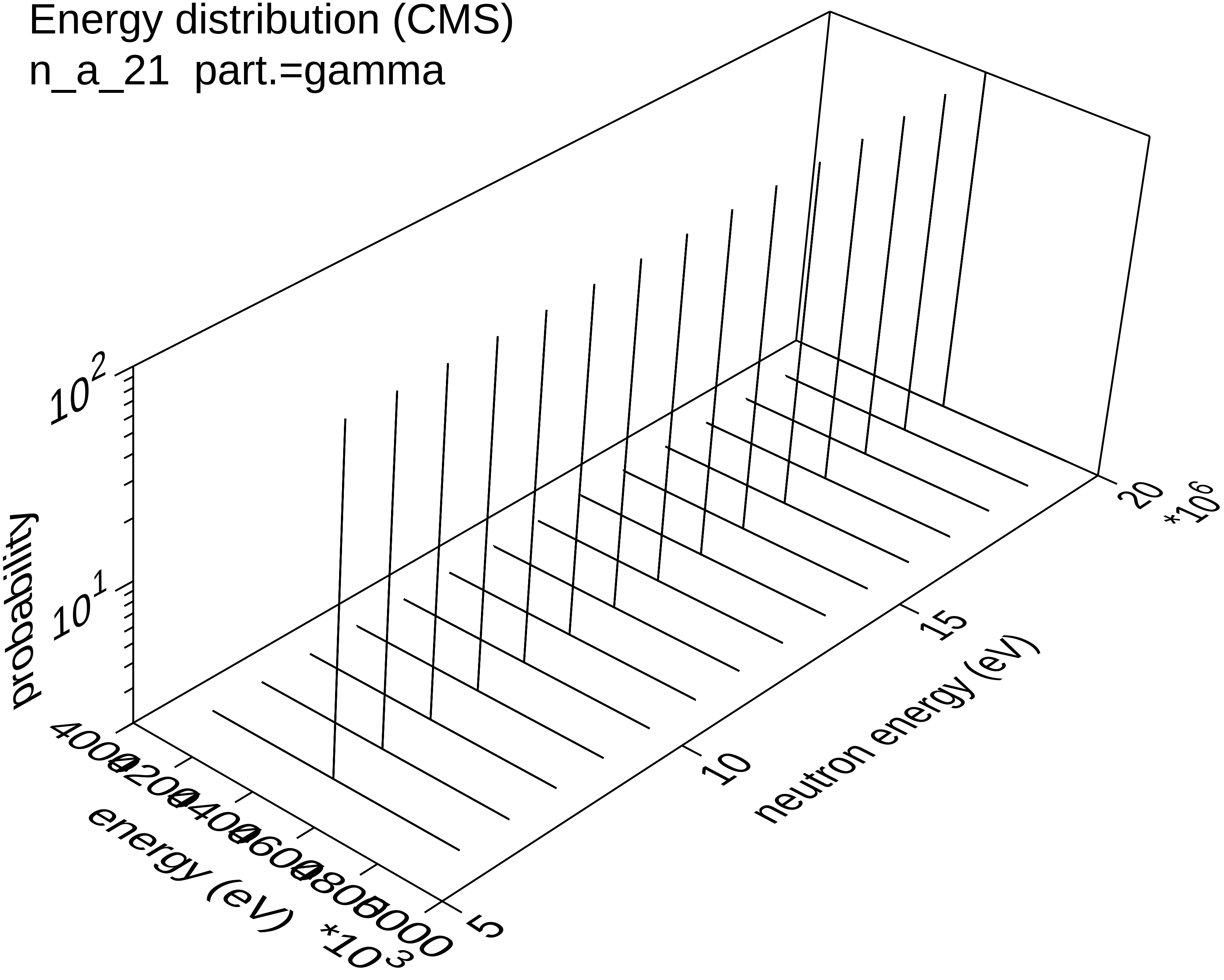
Energy distribution (CMS)
n_a_20 part.=gamma



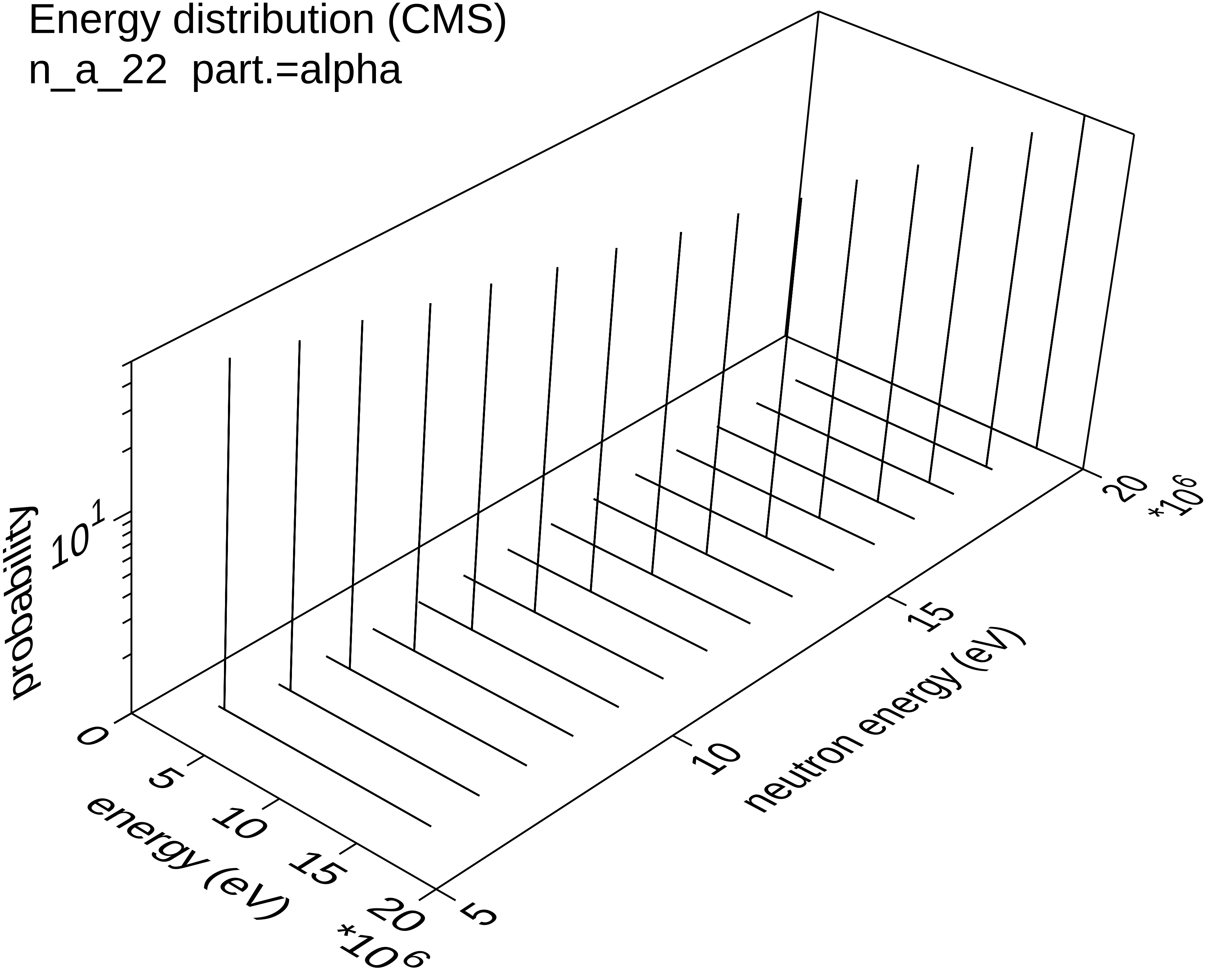
Energy distribution (CMS)
n_a_21 part.=alpha



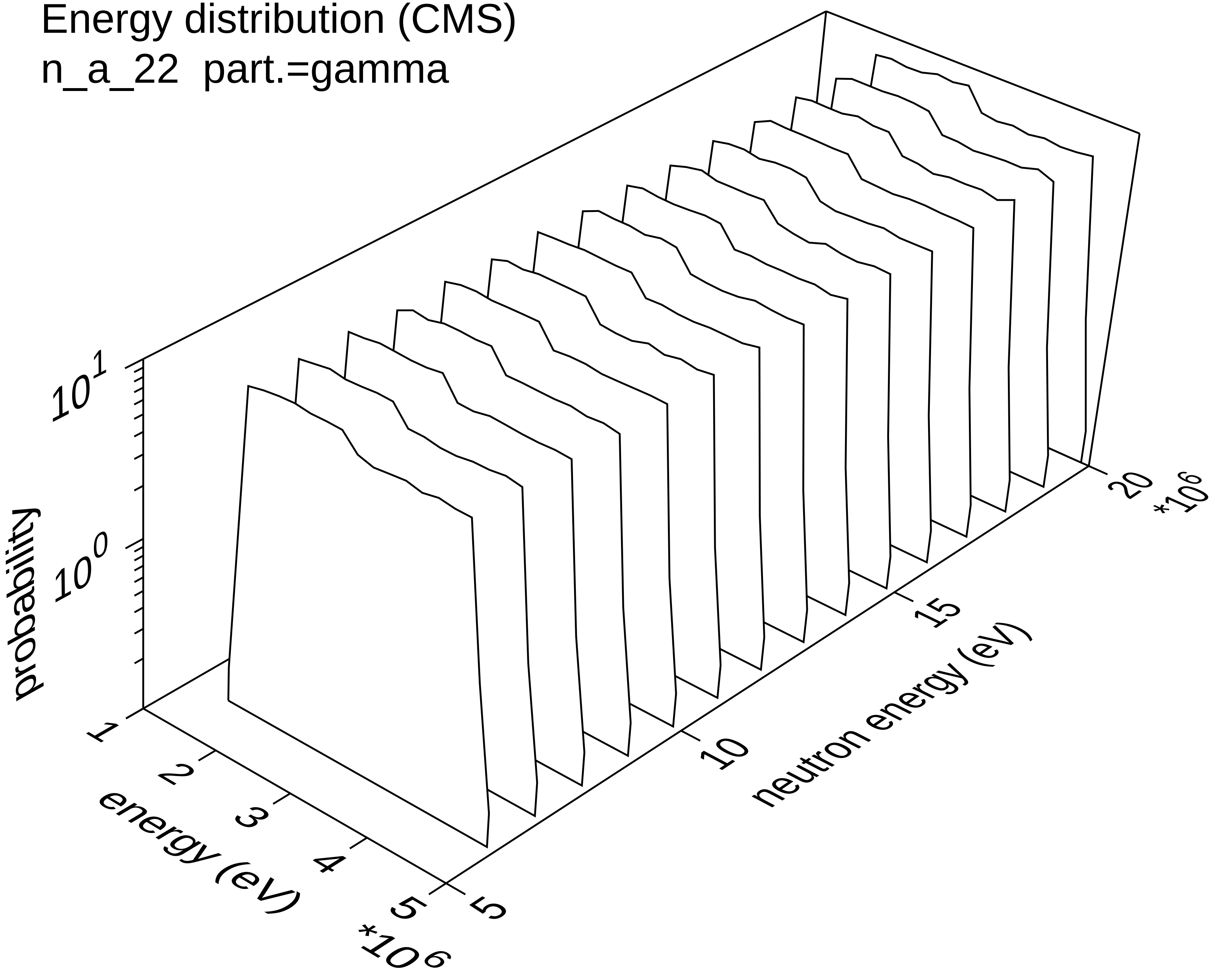
Energy distribution (CMS)
n_a_21 part.=gamma



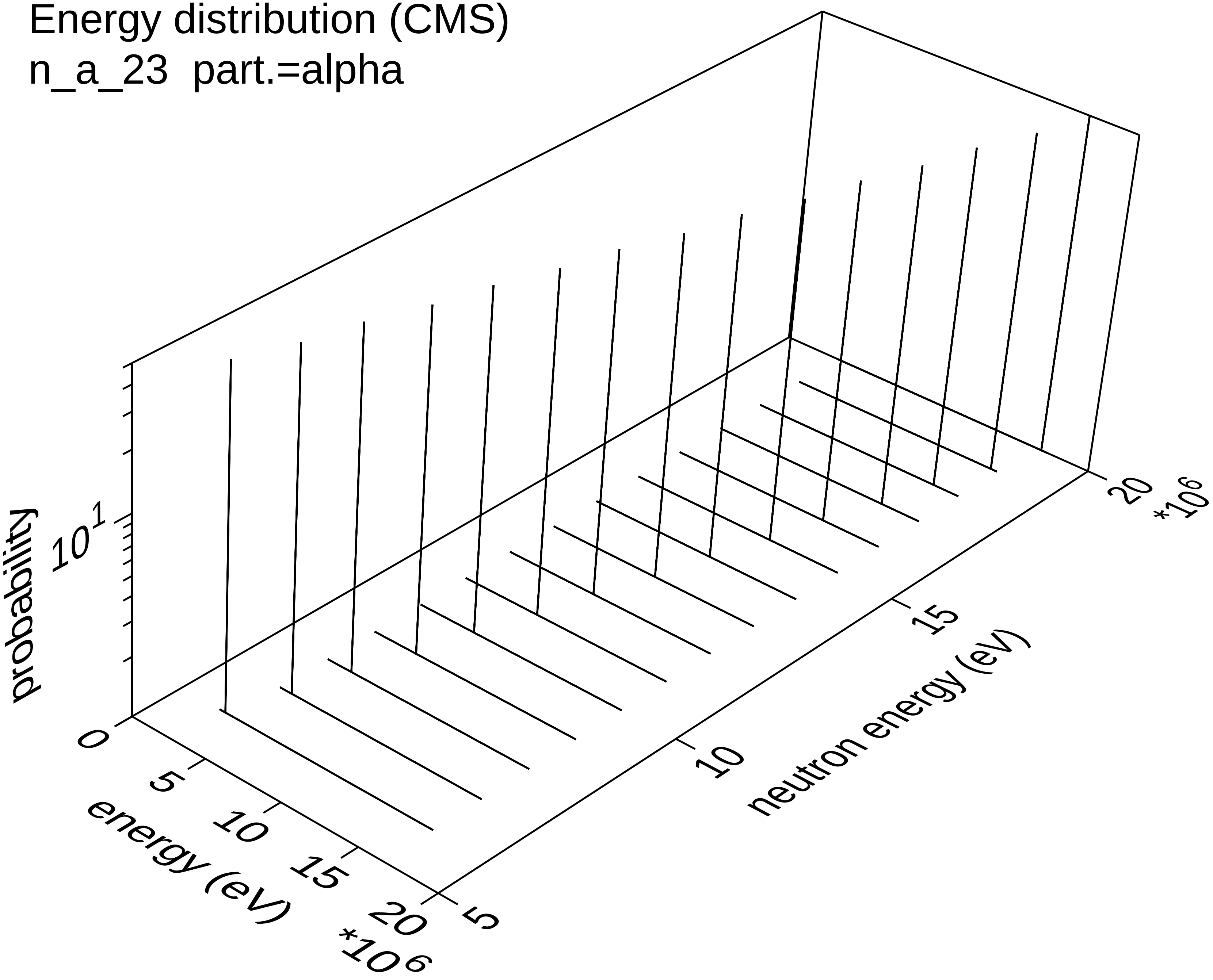
Energy distribution (CMS)
n_a_22 part.=alpha



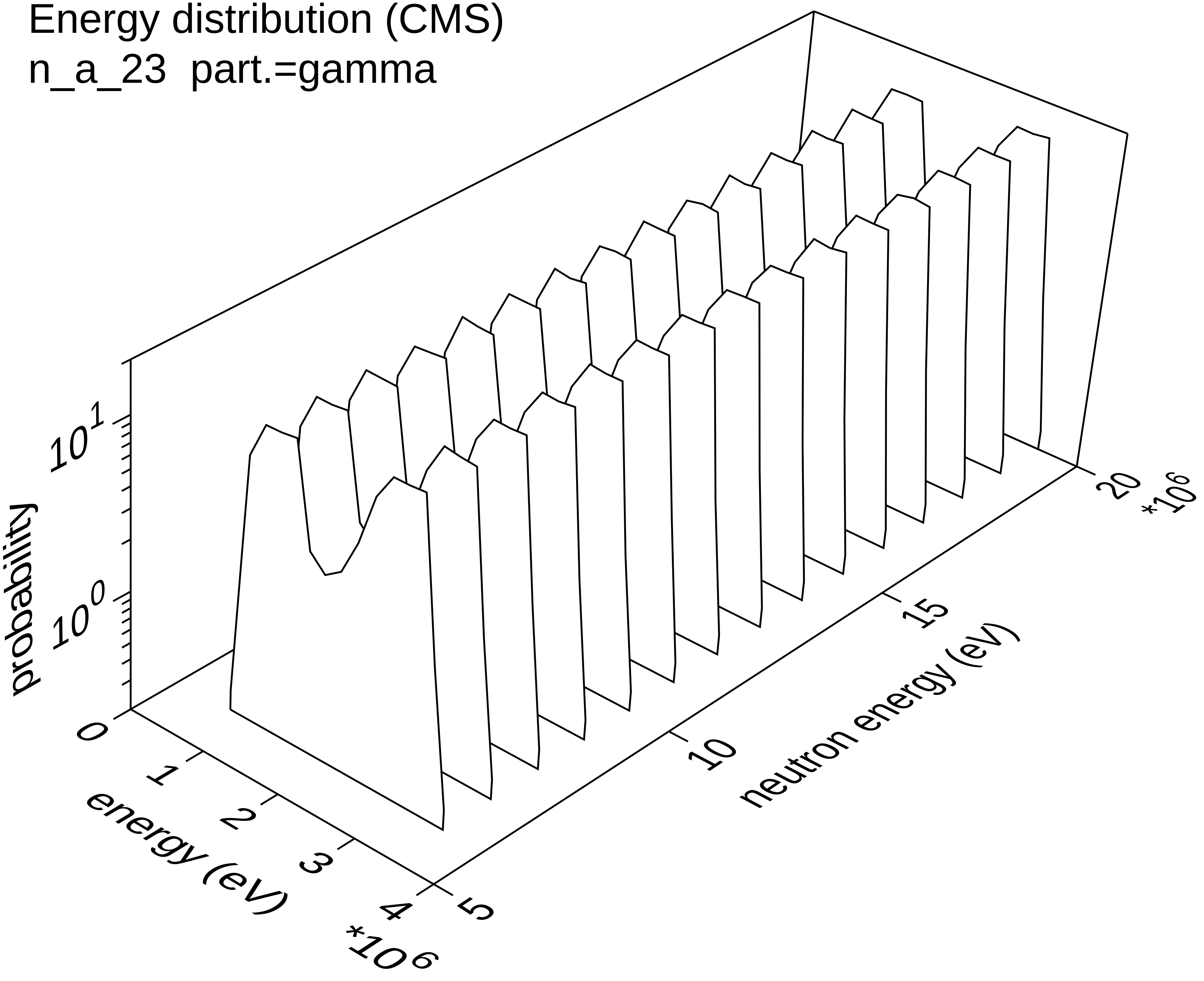
Energy distribution (CMS)
n_a_22 part.=gamma



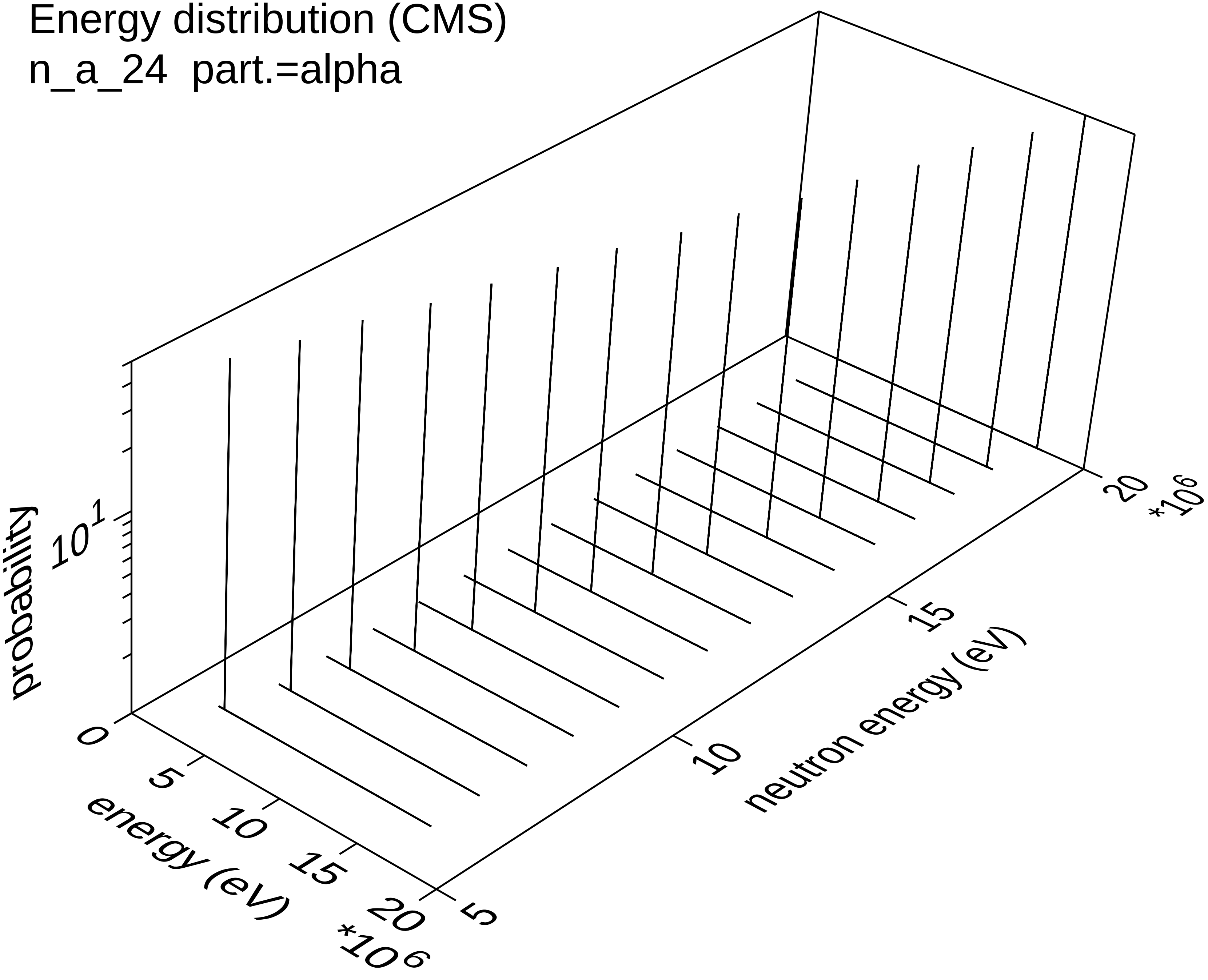
Energy distribution (CMS)
n_a_23 part.=alpha



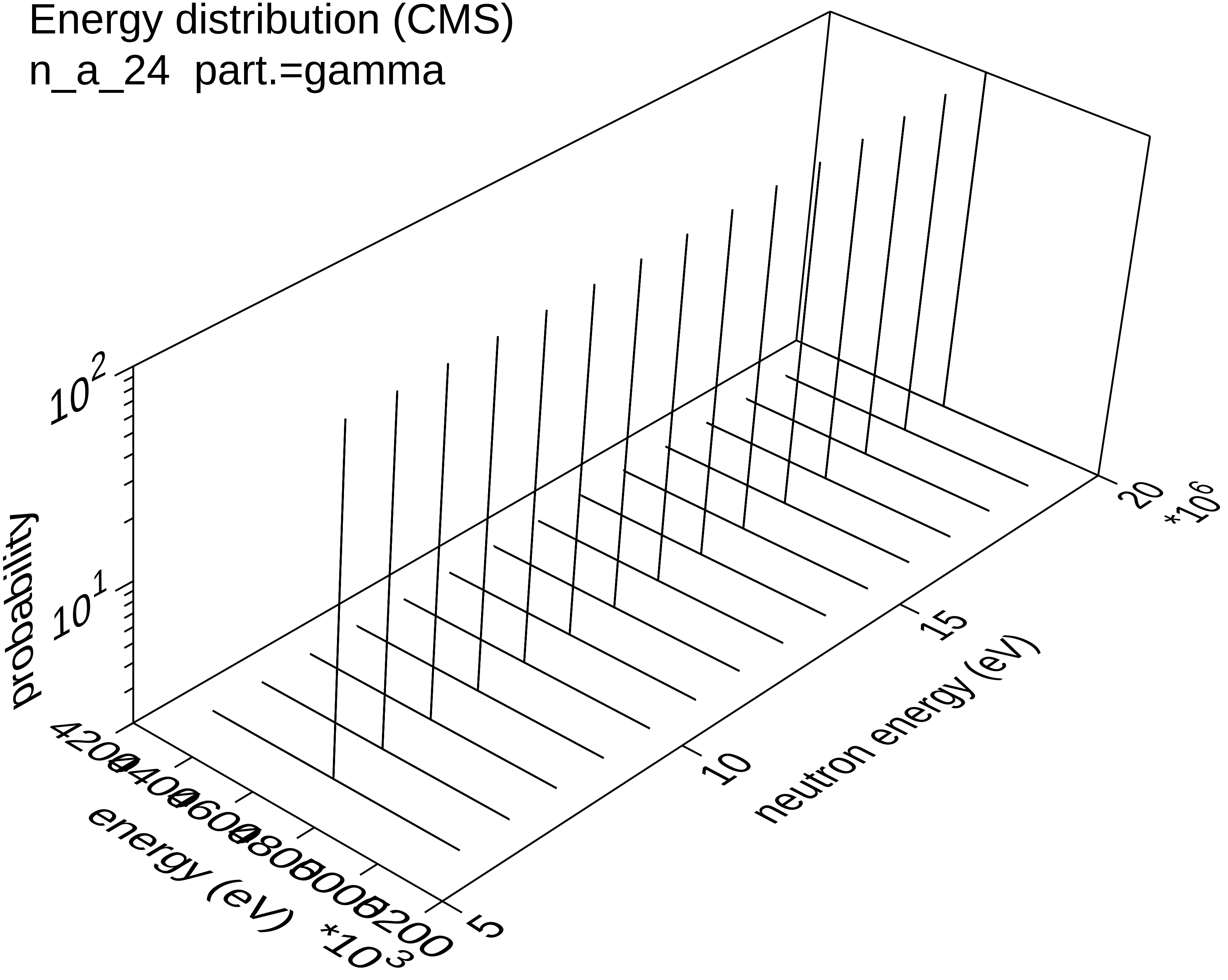
Energy distribution (CMS)
n_a_23 part.=gamma

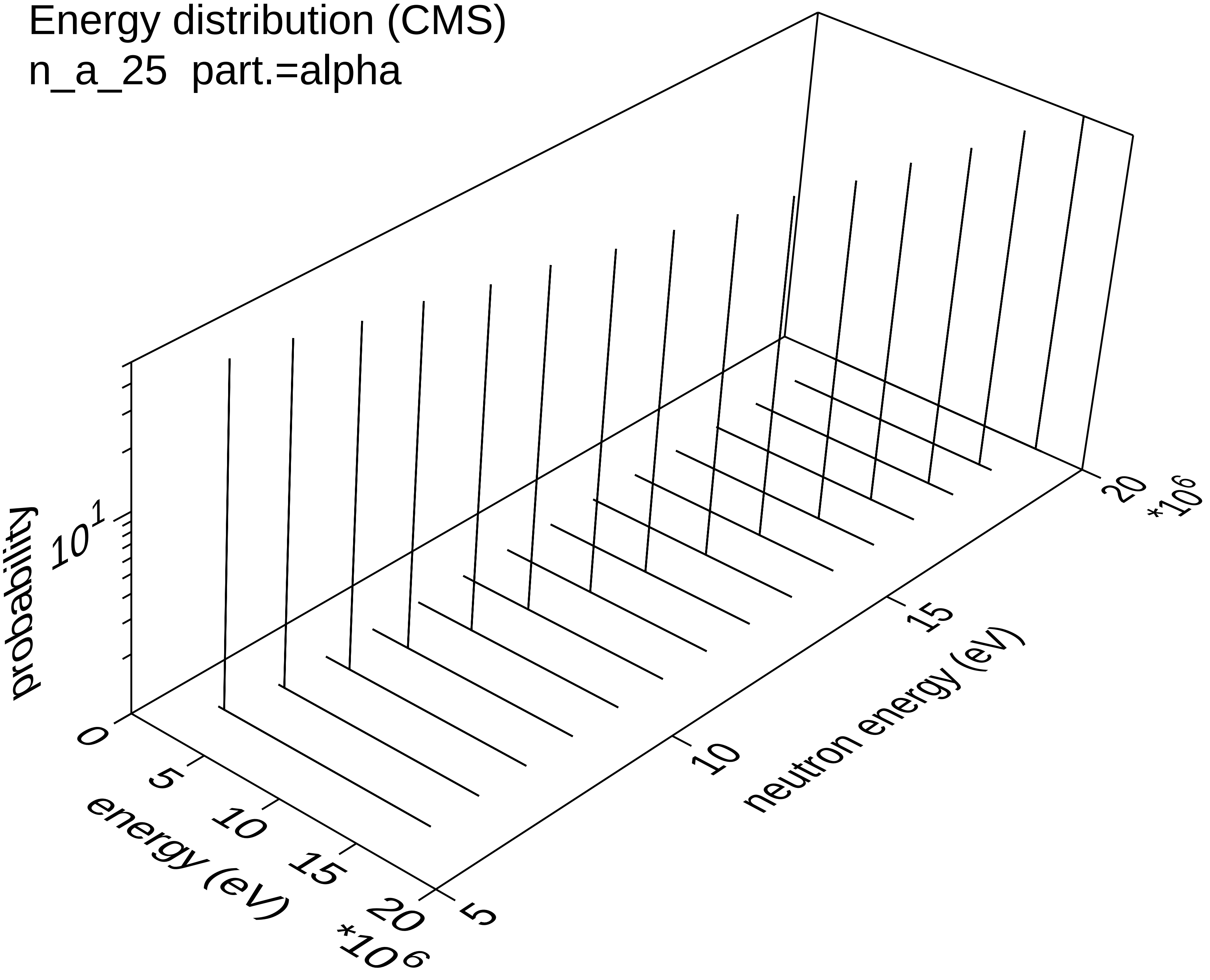


Energy distribution (CMS)
n_a_24 part.=alpha



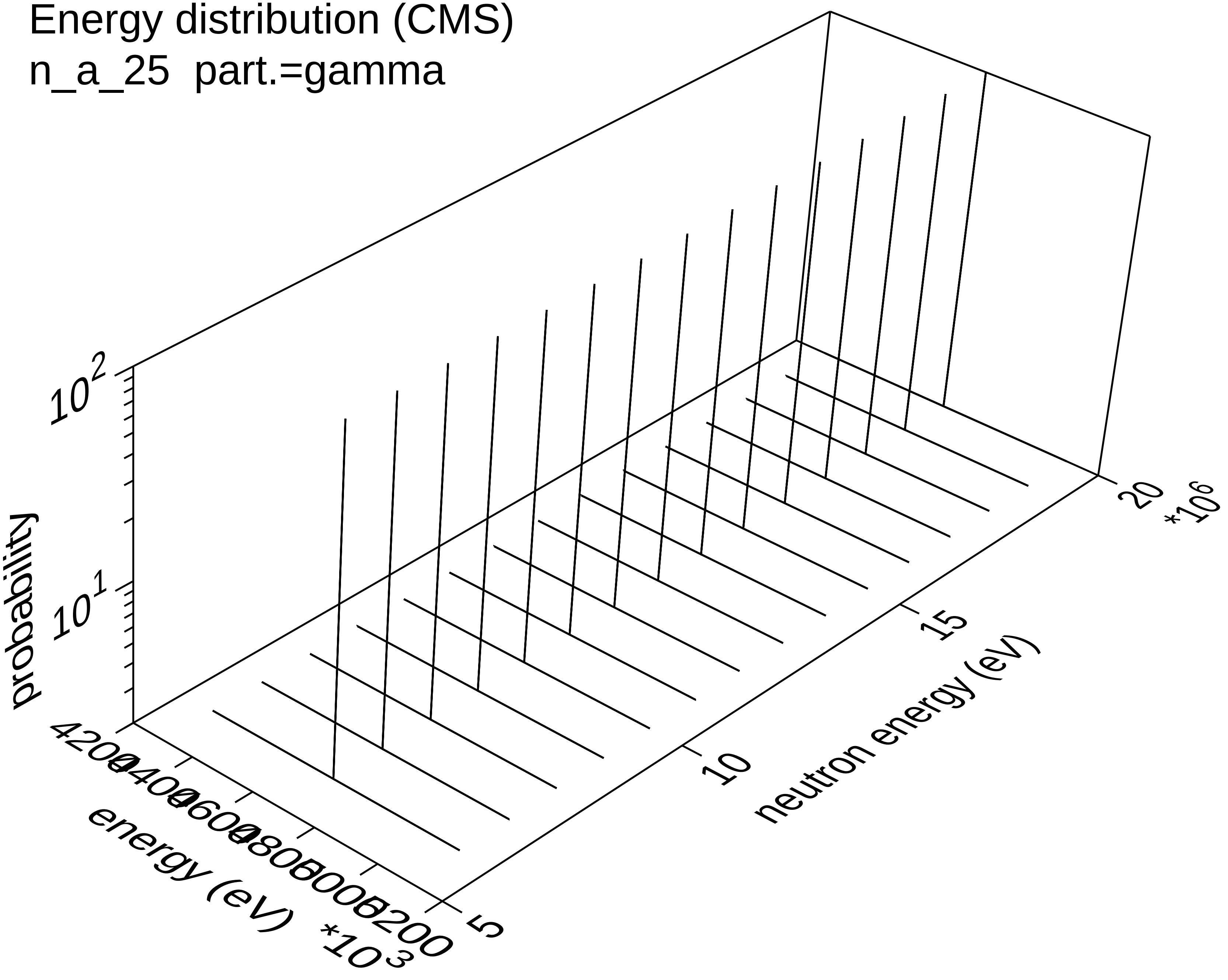
Energy distribution (CMS)
n_a_24 part.=gamma

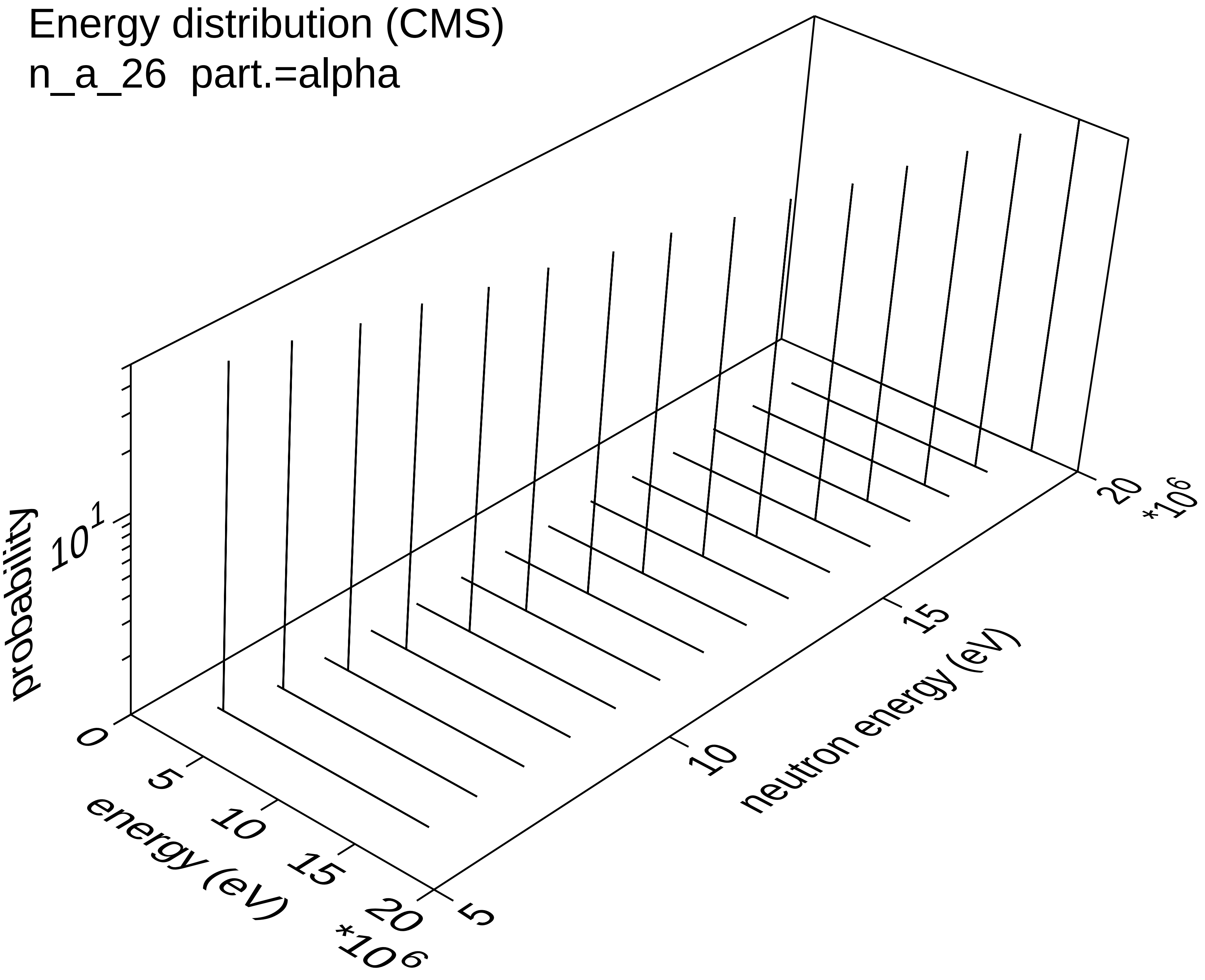




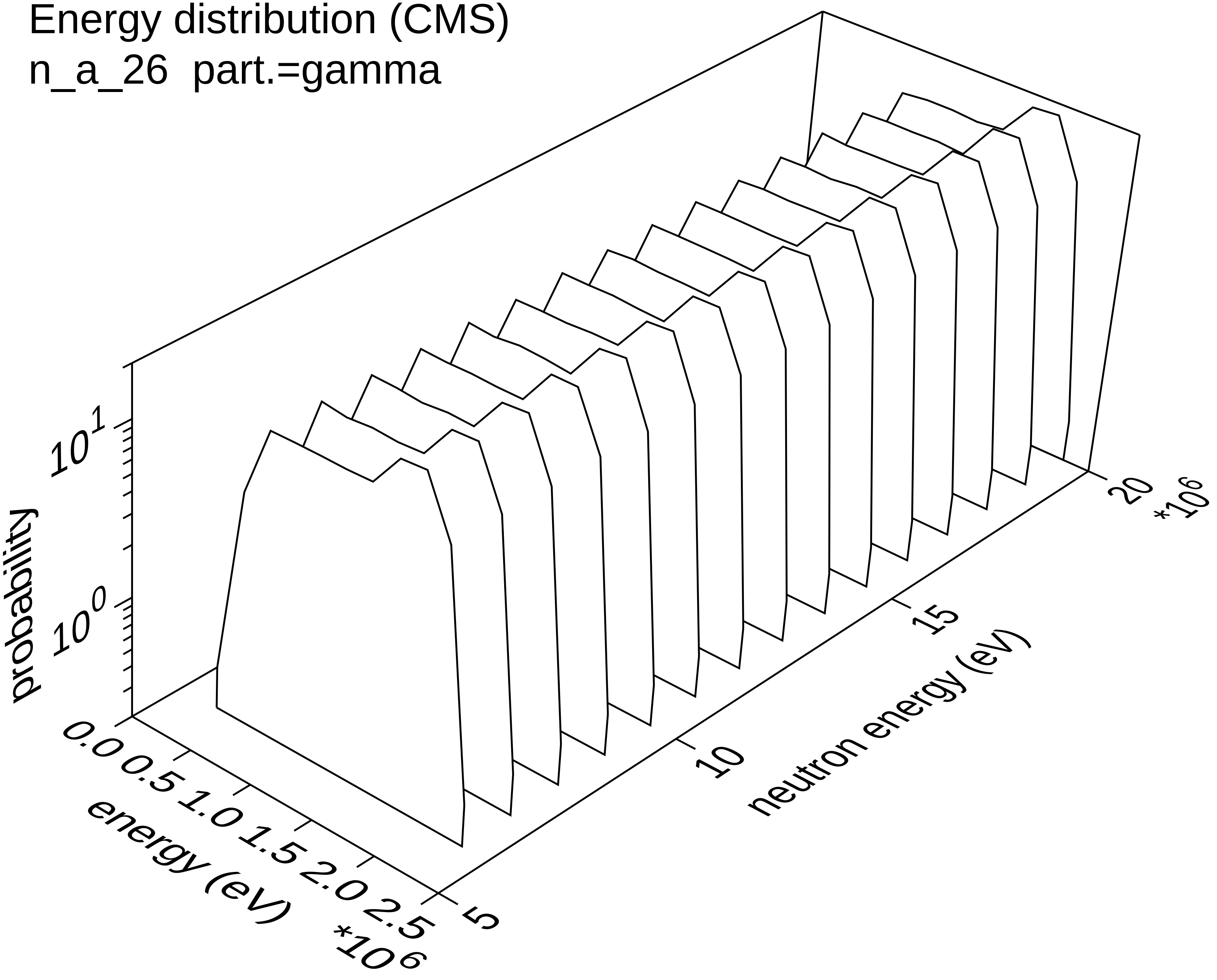
Energy distribution (CMS)
n_a_25 part.=alpha

Energy distribution (CMS)
n_a_25 part.=gamma

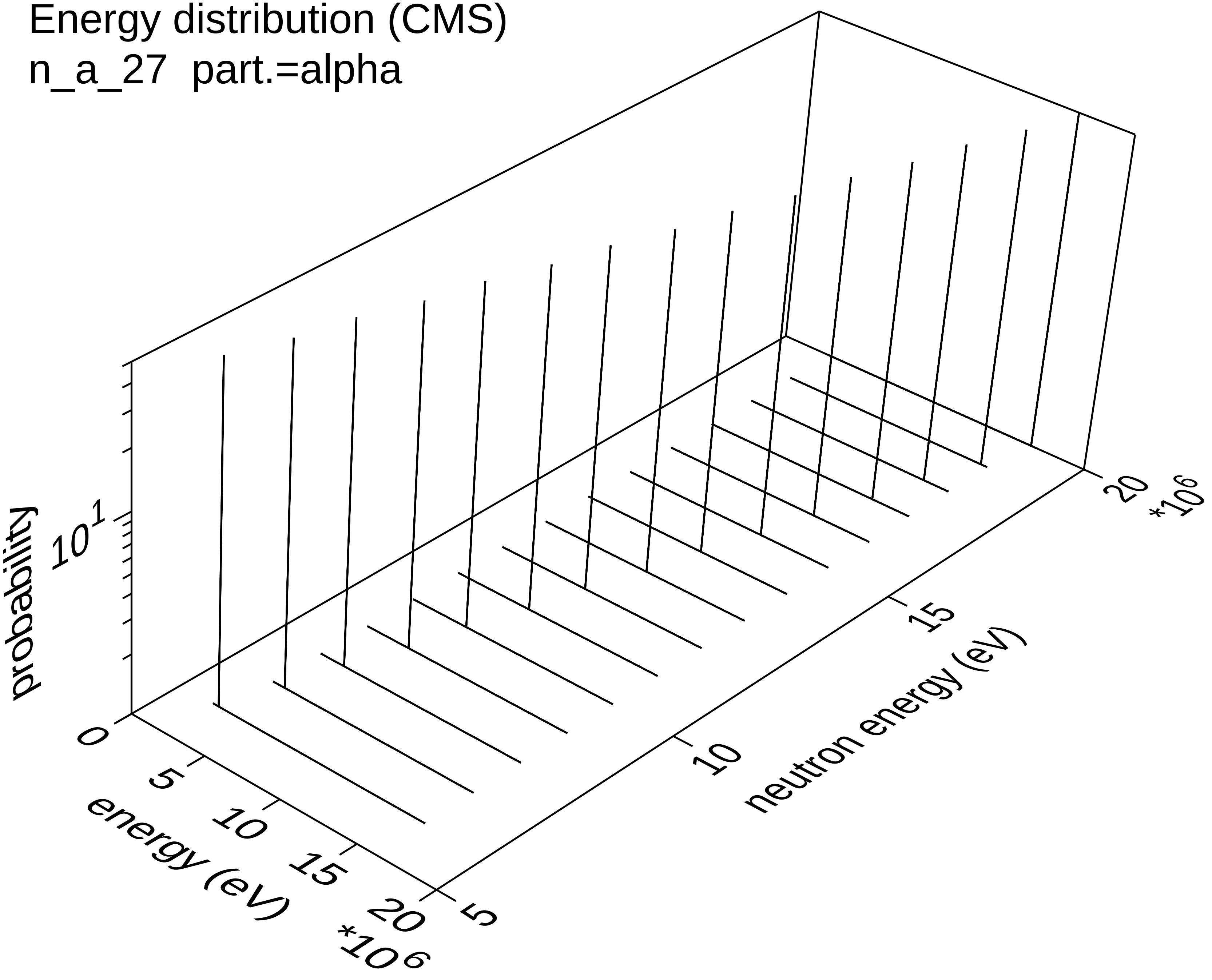



Energy distribution (CMS)
n_a_26 part.=alpha
probability
10^1
0
5
10
15
20
energy (eV)
*10^6
5
10
15
20
neutron energy (eV)
*10^6

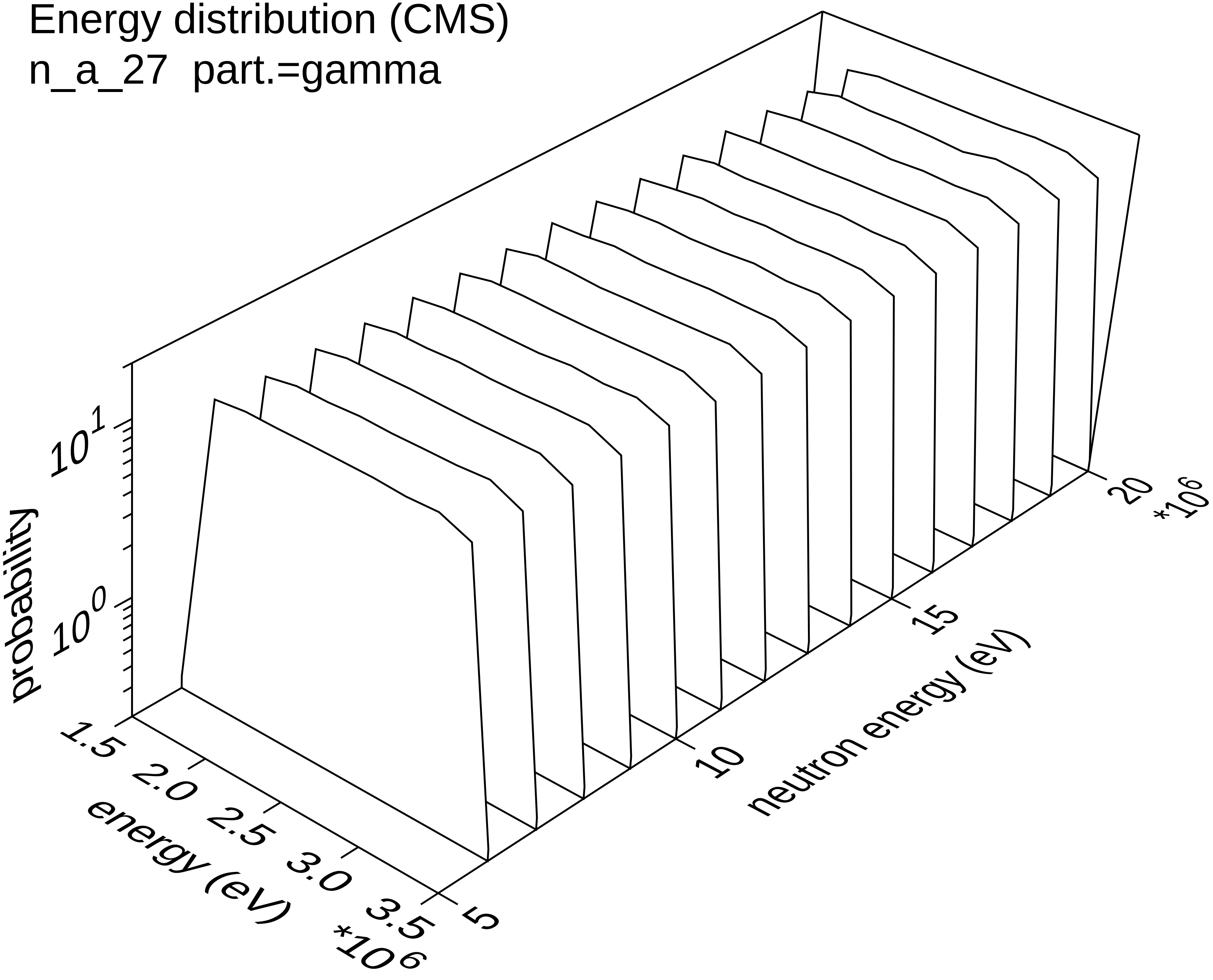
Energy distribution (CMS)
n_a_26 part.=gamma



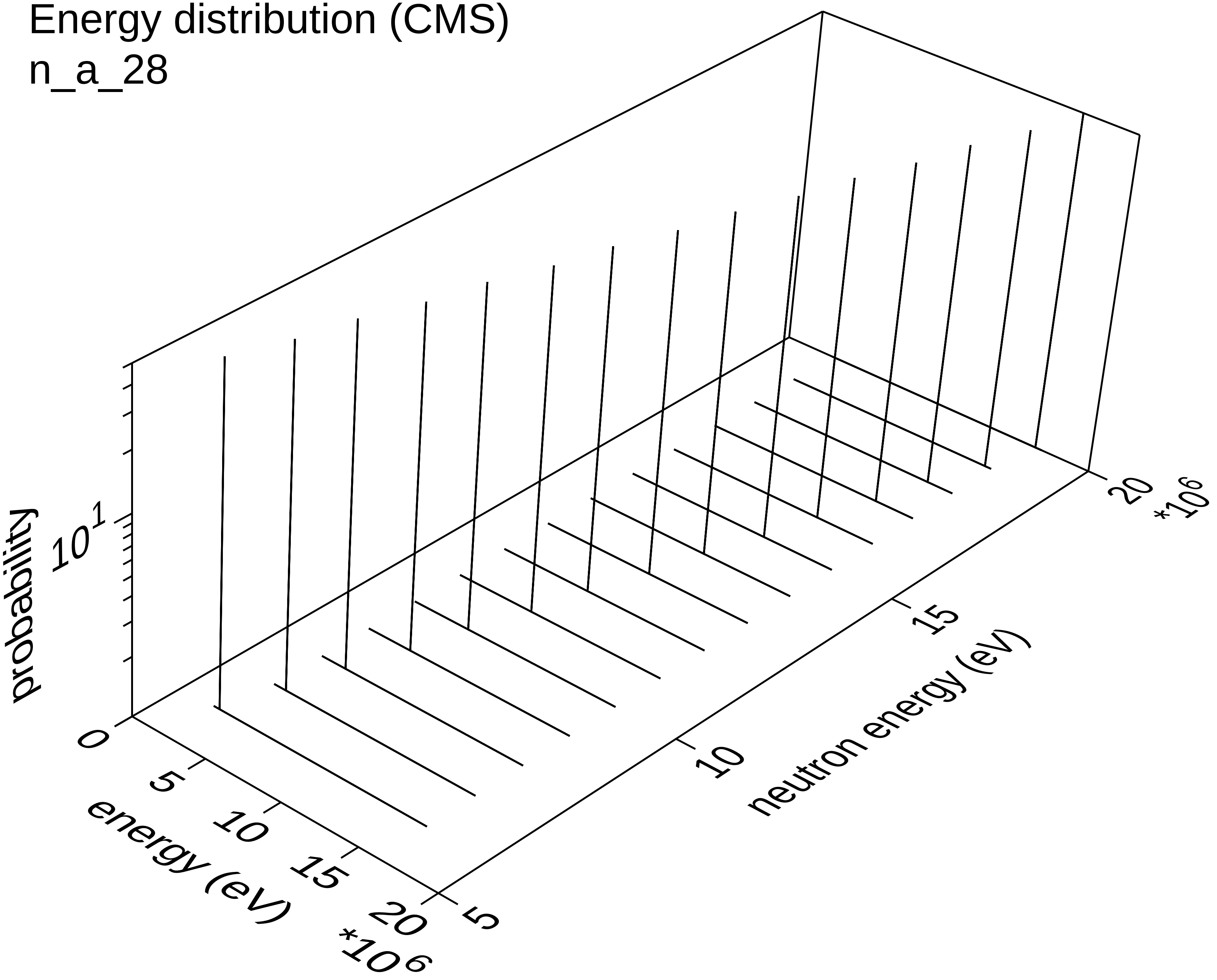
Energy distribution (CMS)
n_a_27 part.=alpha



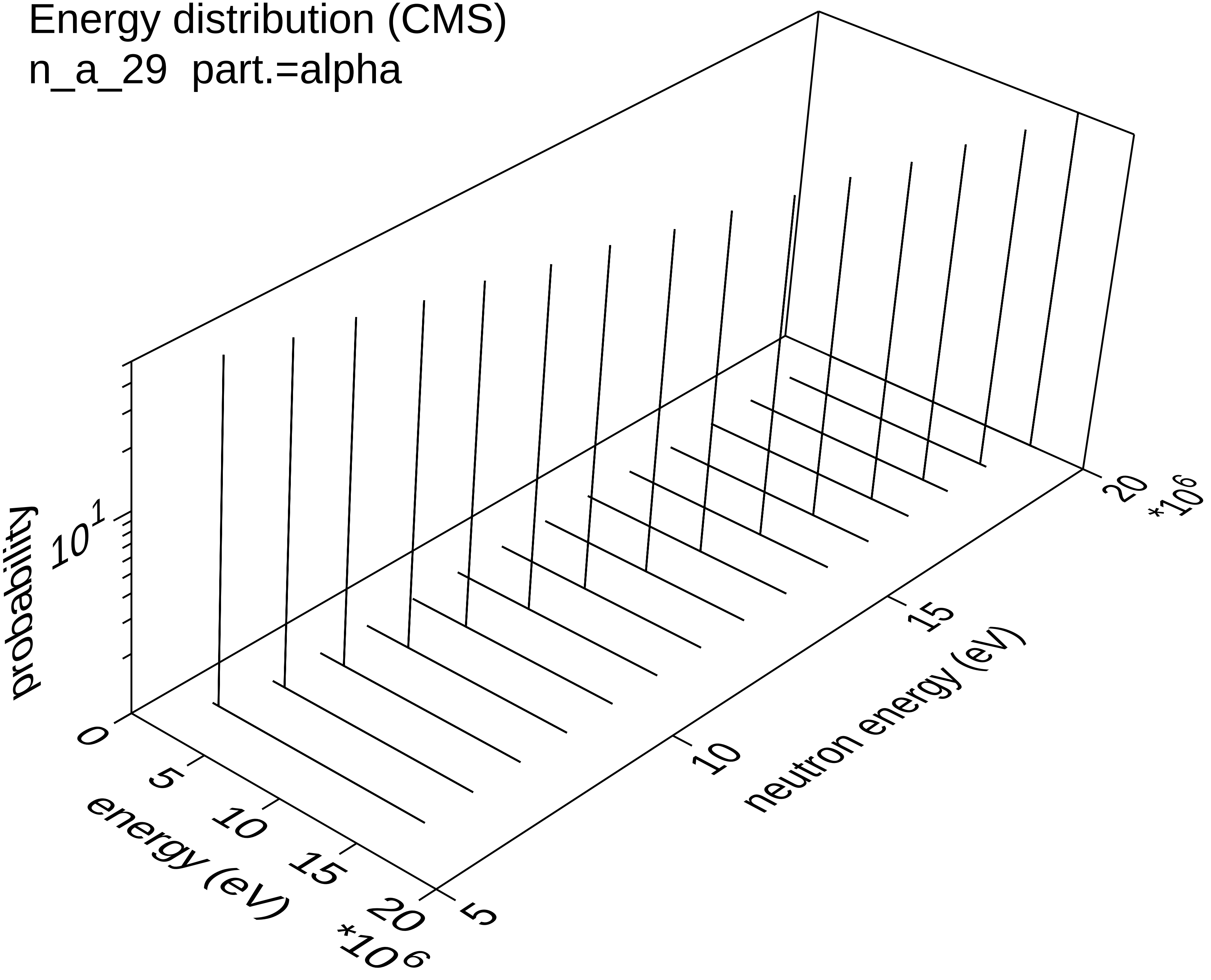
Energy distribution (CMS)
n_a_27 part.=gamma



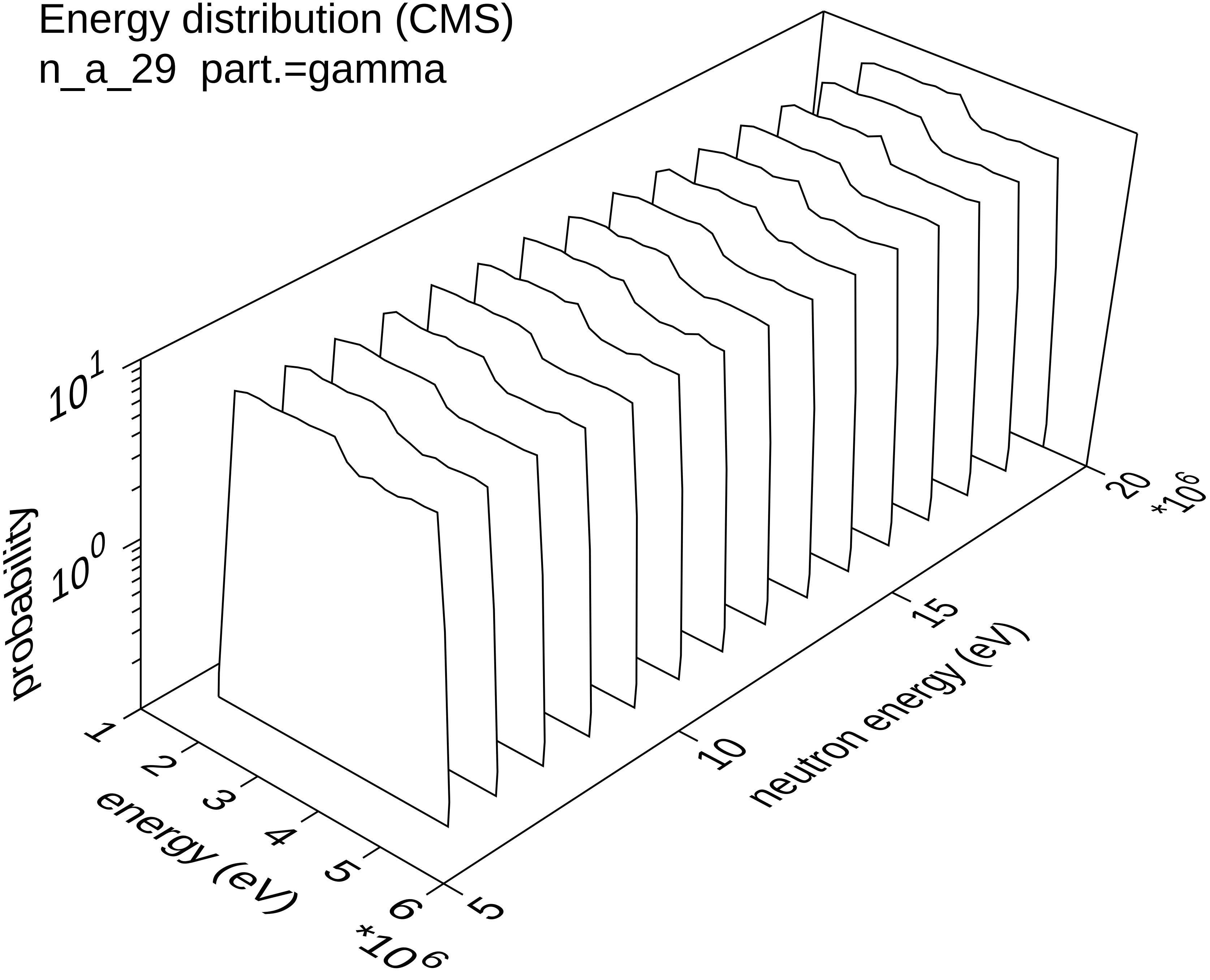
Energy distribution (CMS)
n_a_28



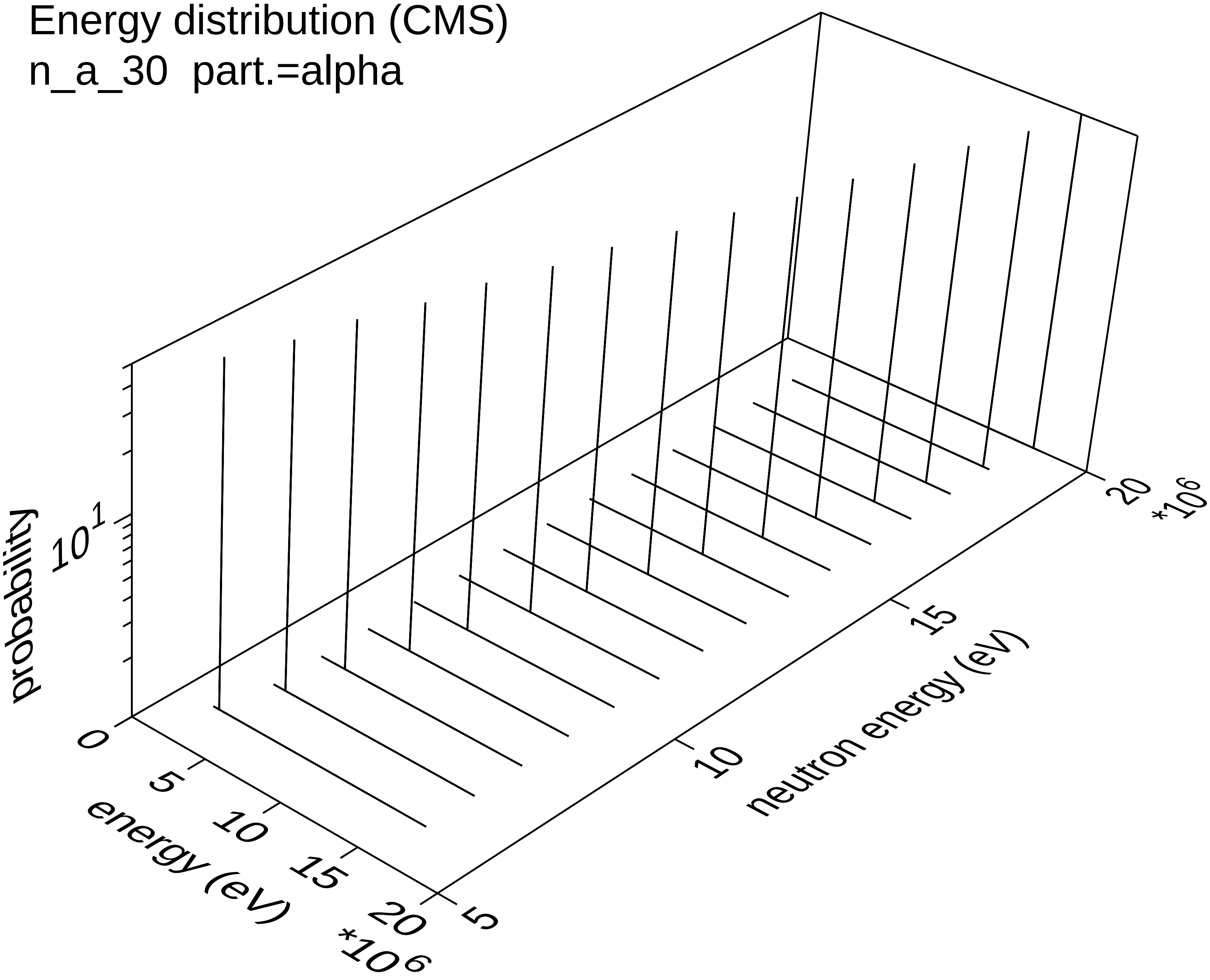
Energy distribution (CMS)
n_a_29 part.=alpha



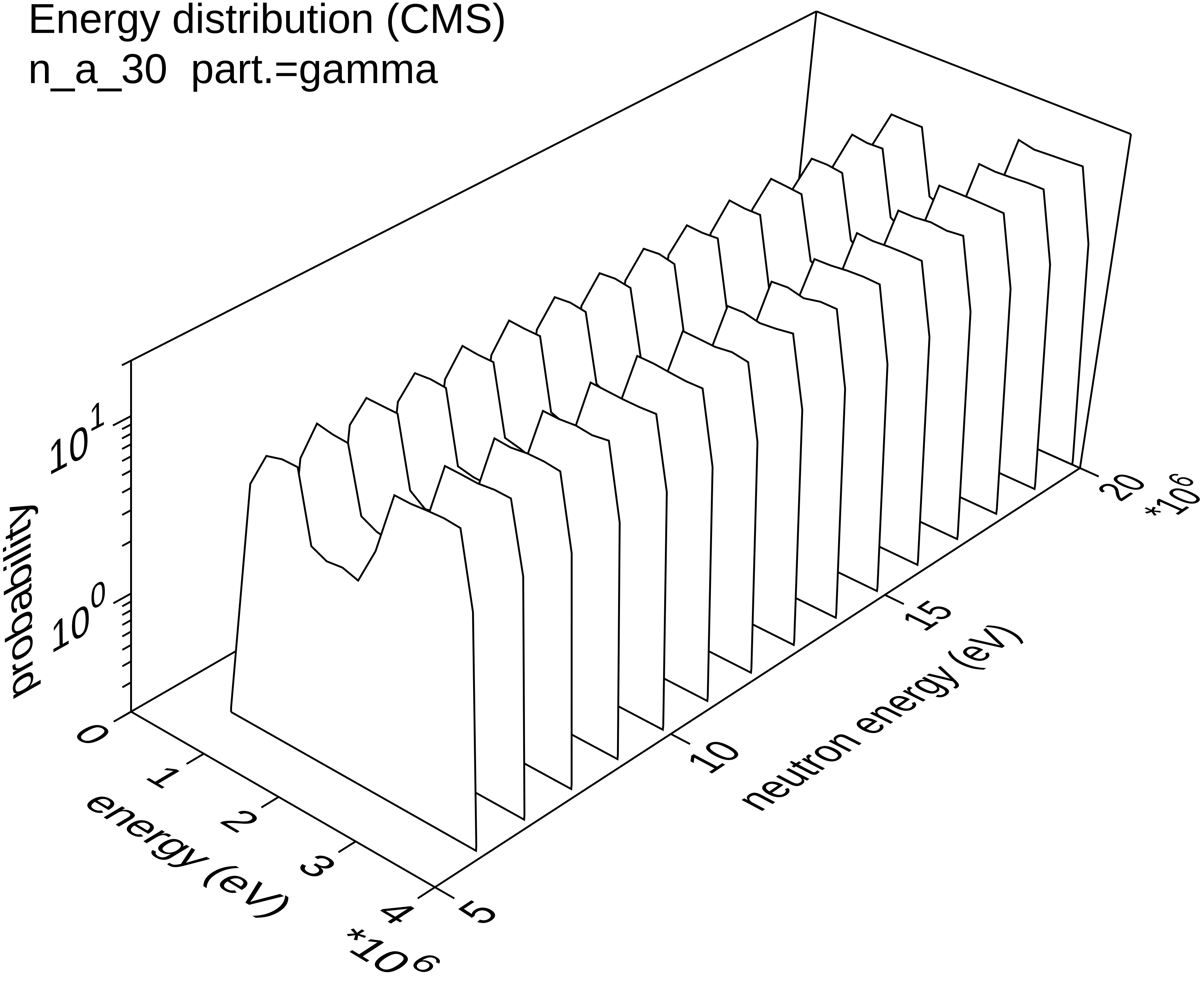
Energy distribution (CMS)
n_a_29 part.=gamma



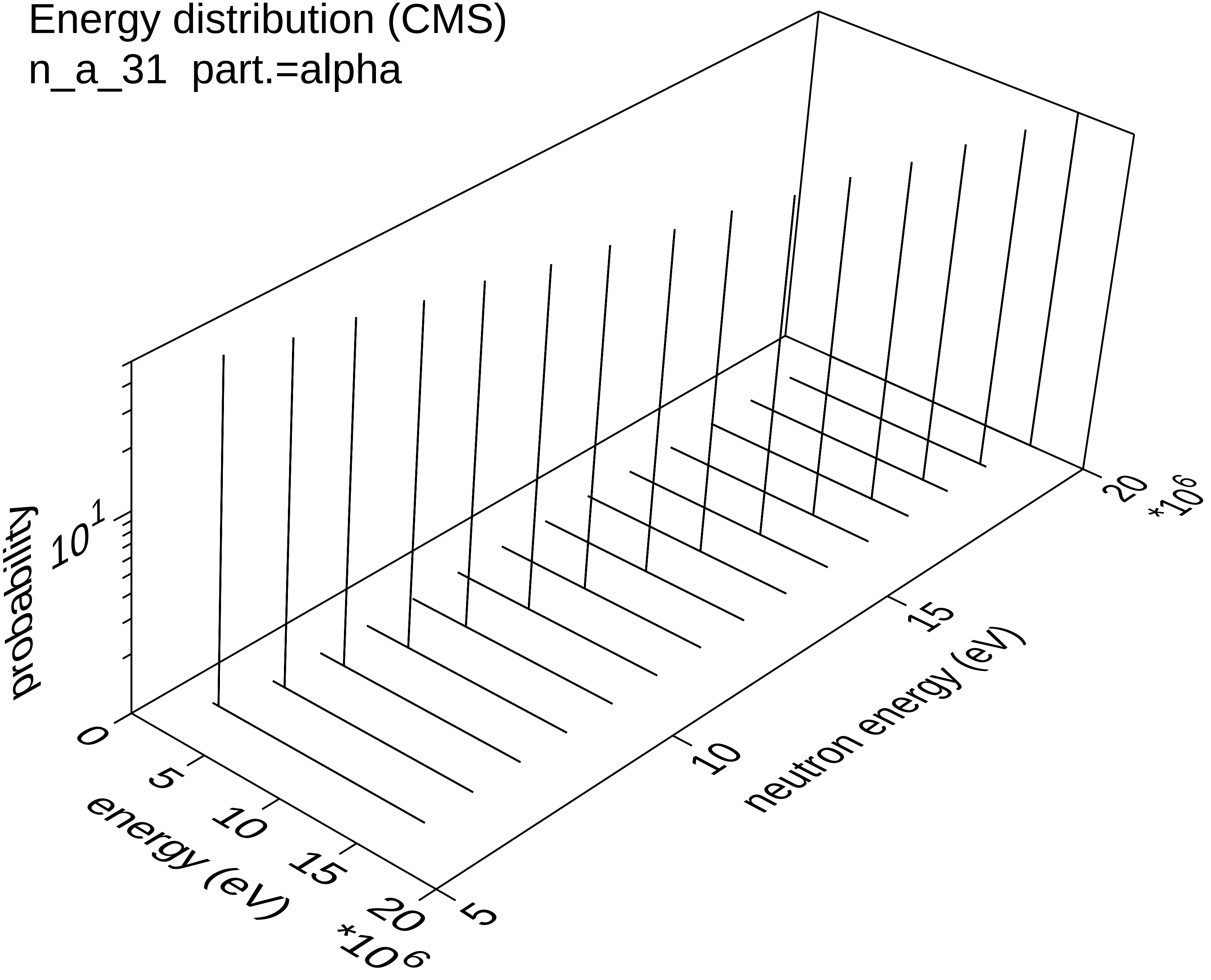
Energy distribution (CMS)
n_a_30 part.=alpha



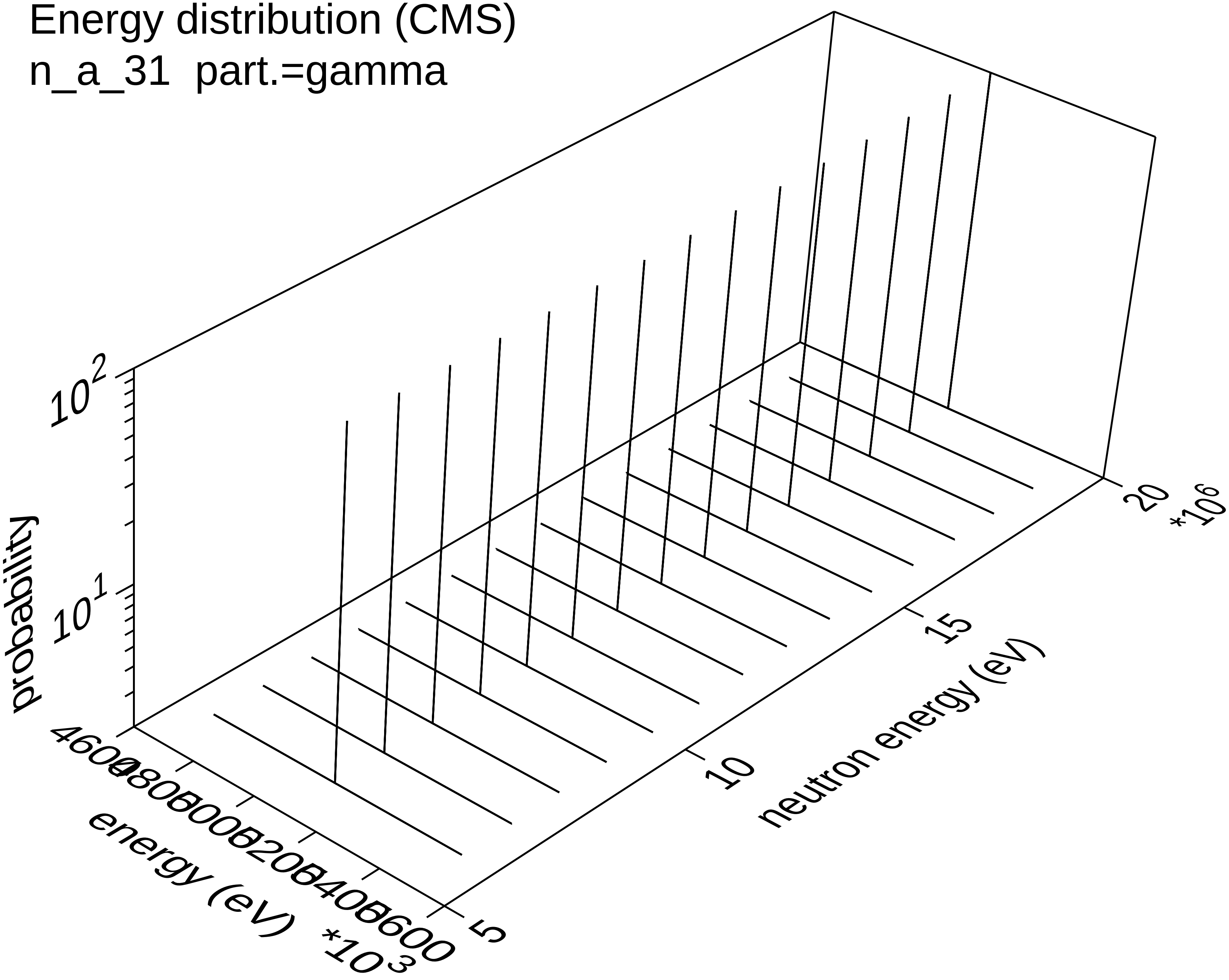
Energy distribution (CMS)
n_a_30 part.=gamma



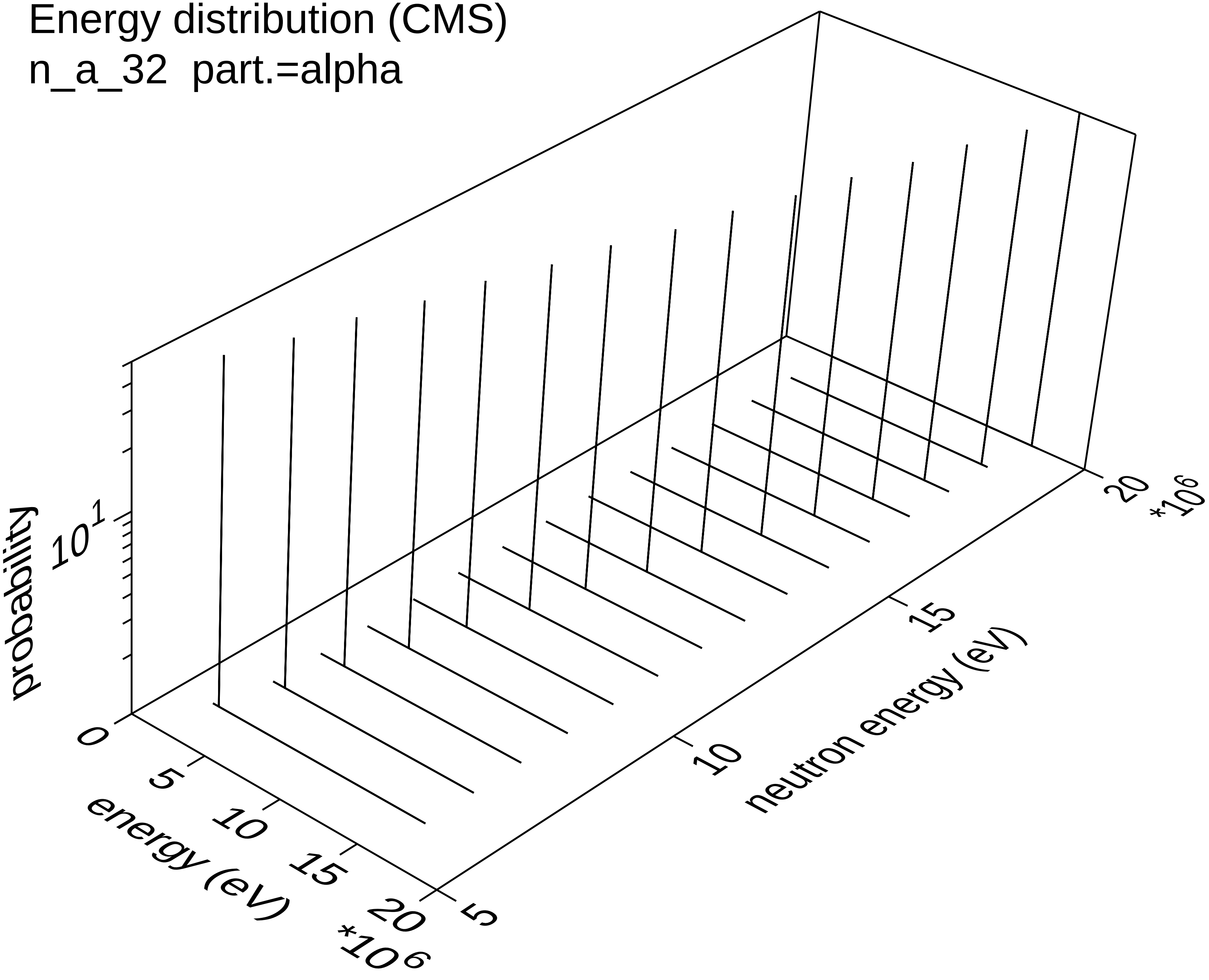
Energy distribution (CMS)
n_a_31 part.=alpha



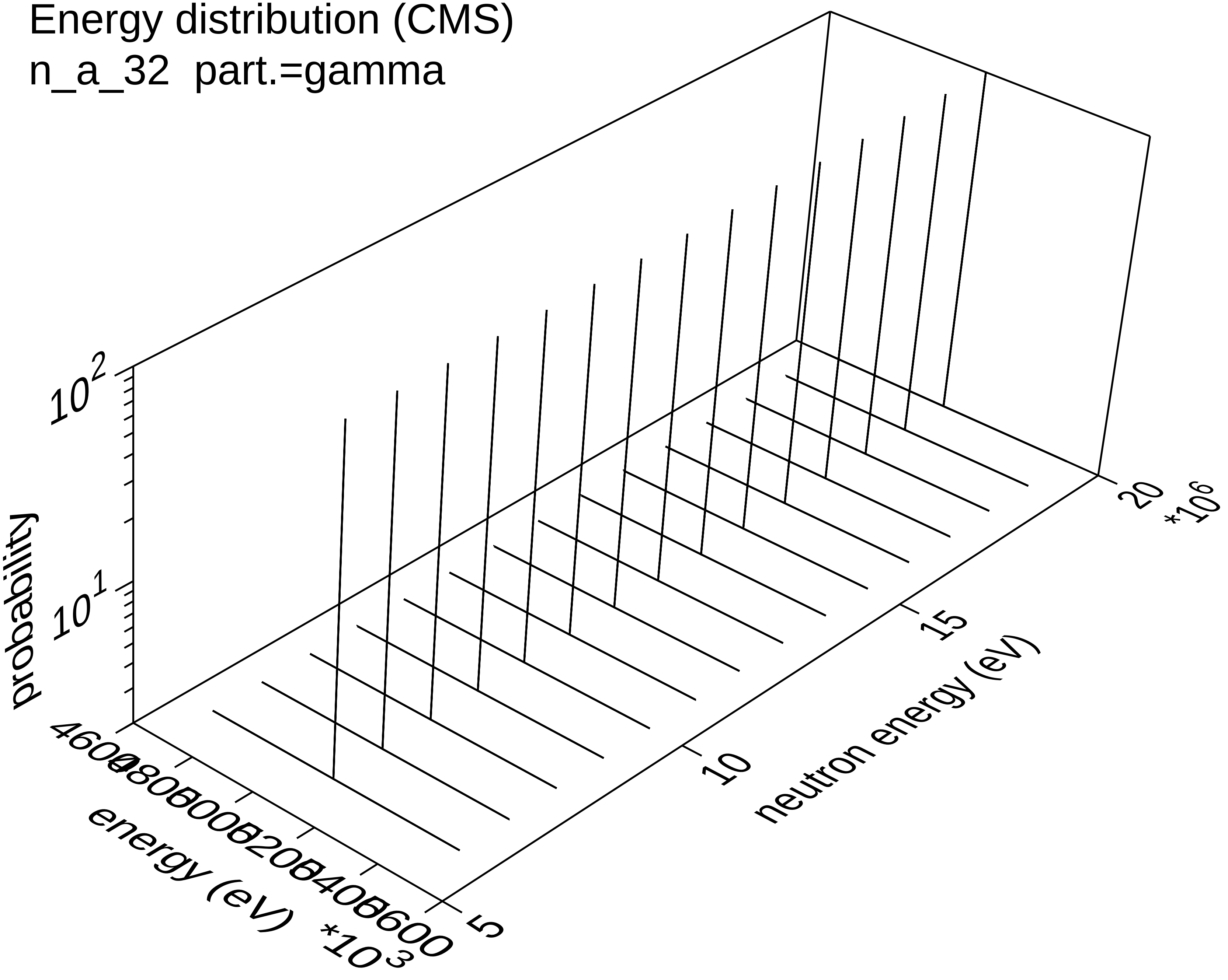
Energy distribution (CMS)
n_a_31 part.=gamma



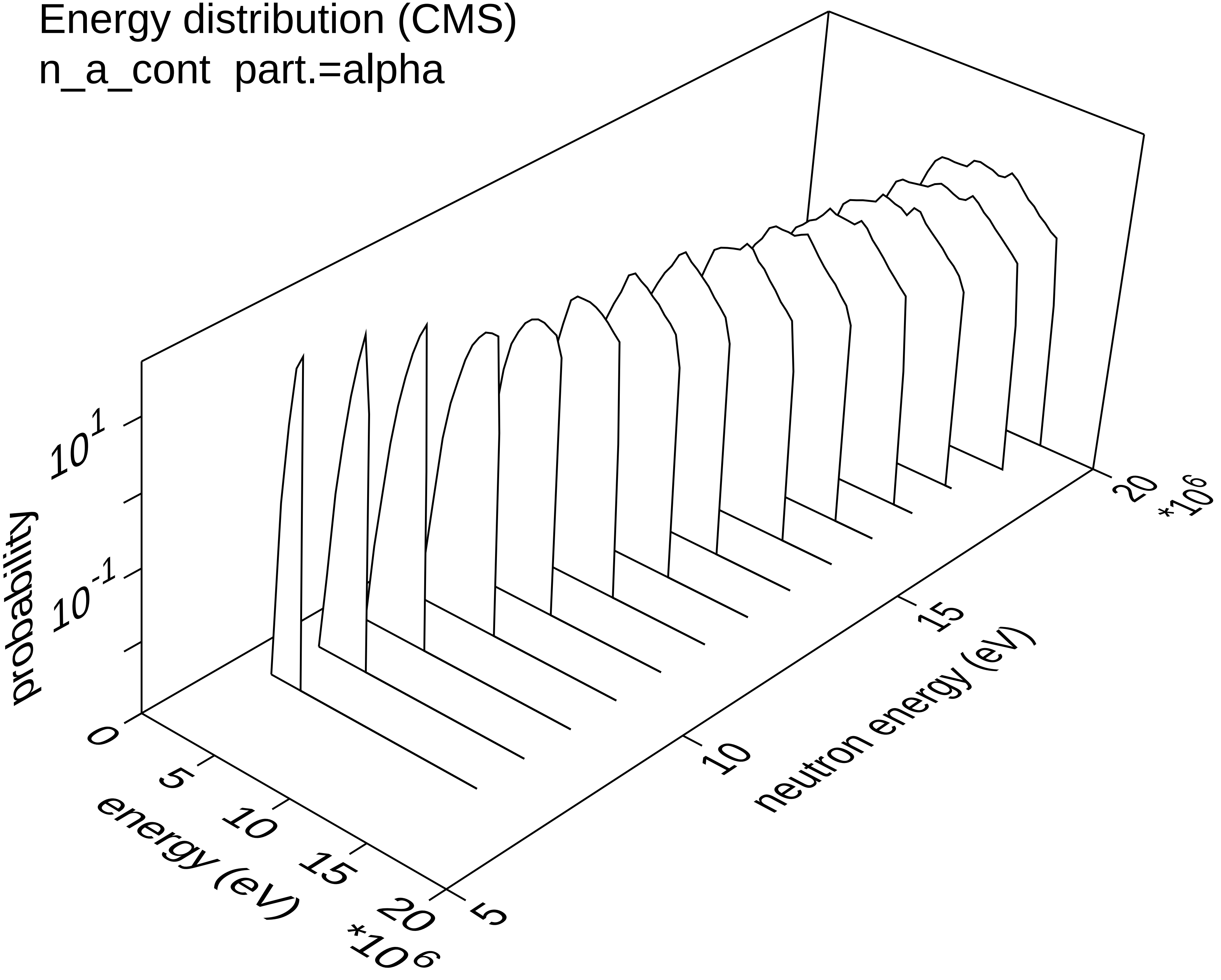
Energy distribution (CMS)
n_a_32 part.=alpha

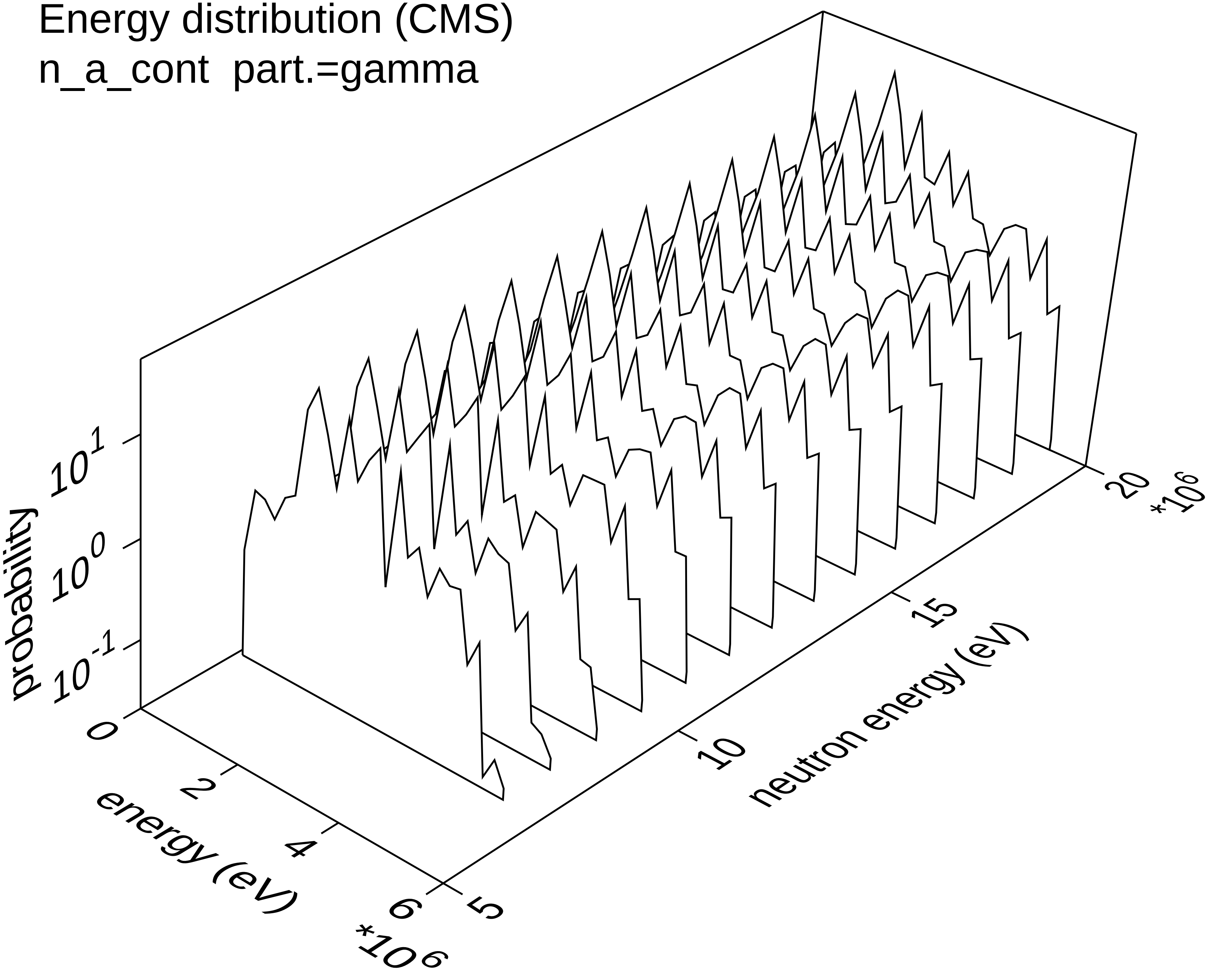


Energy distribution (CMS)
n_a_32 part.=gamma



Energy distribution (CMS)
n_a_cont part.=alpha



Energy distribution (CMS)
n_a_cont part.=gamma