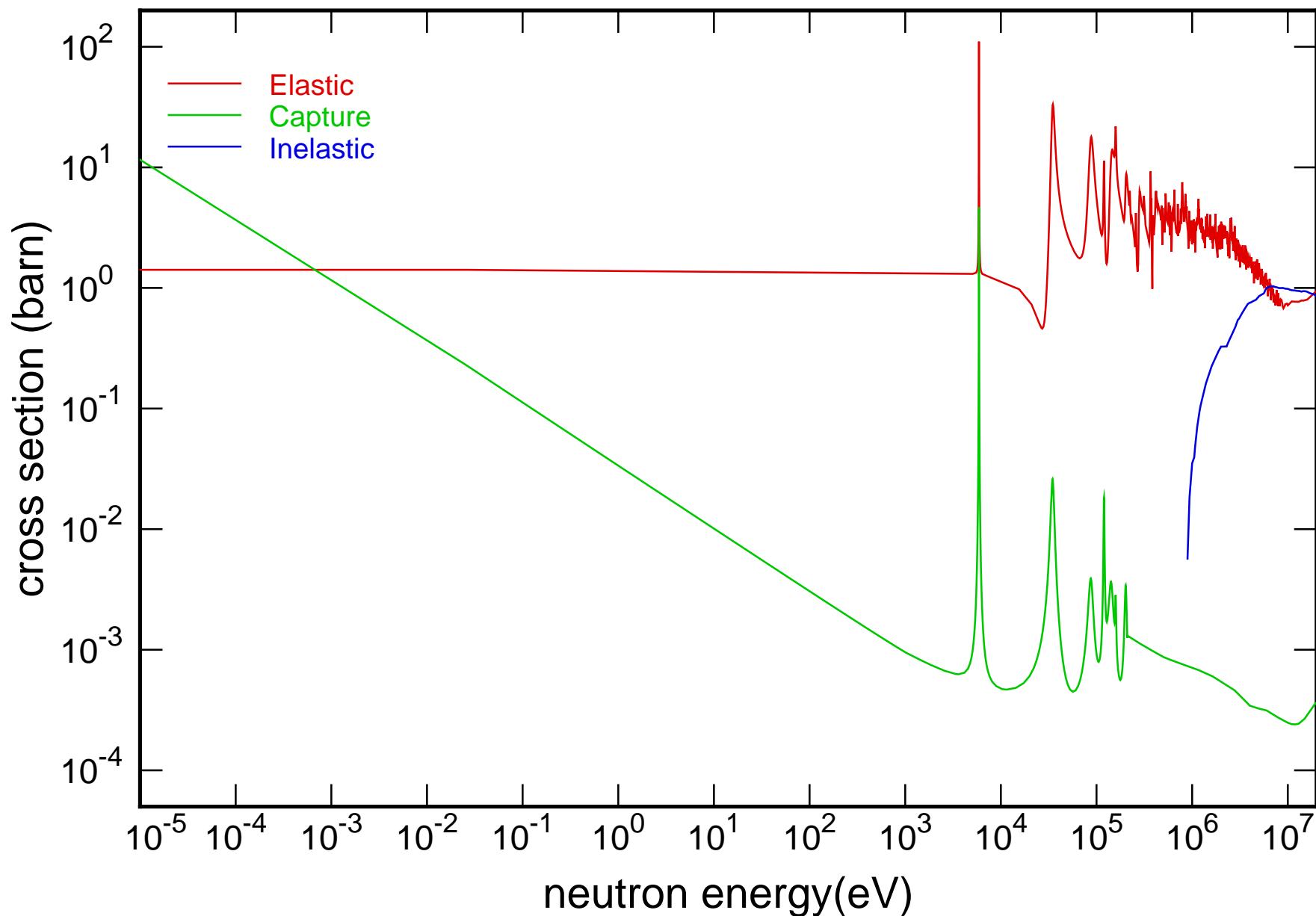
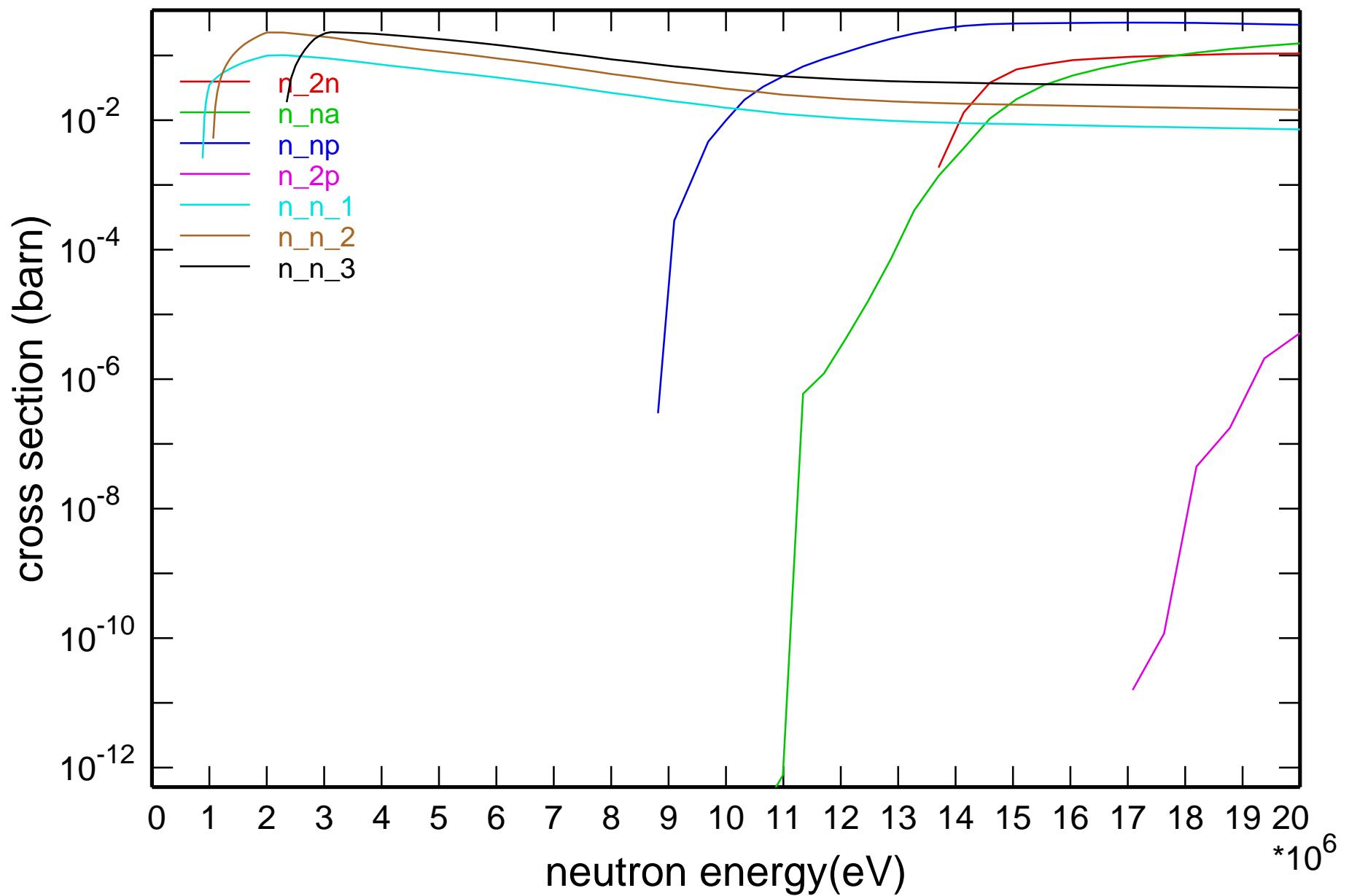


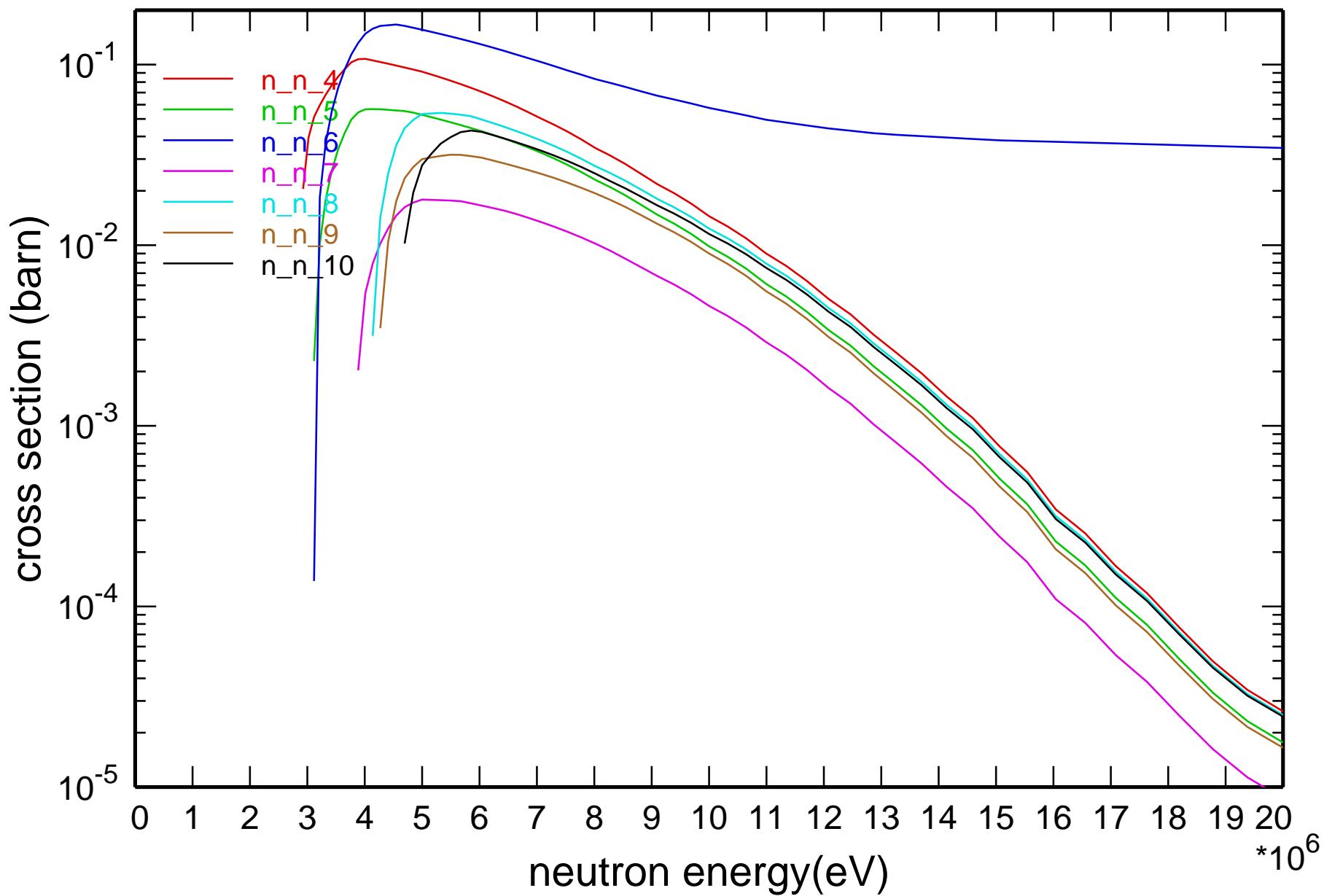
Main Cross Sections

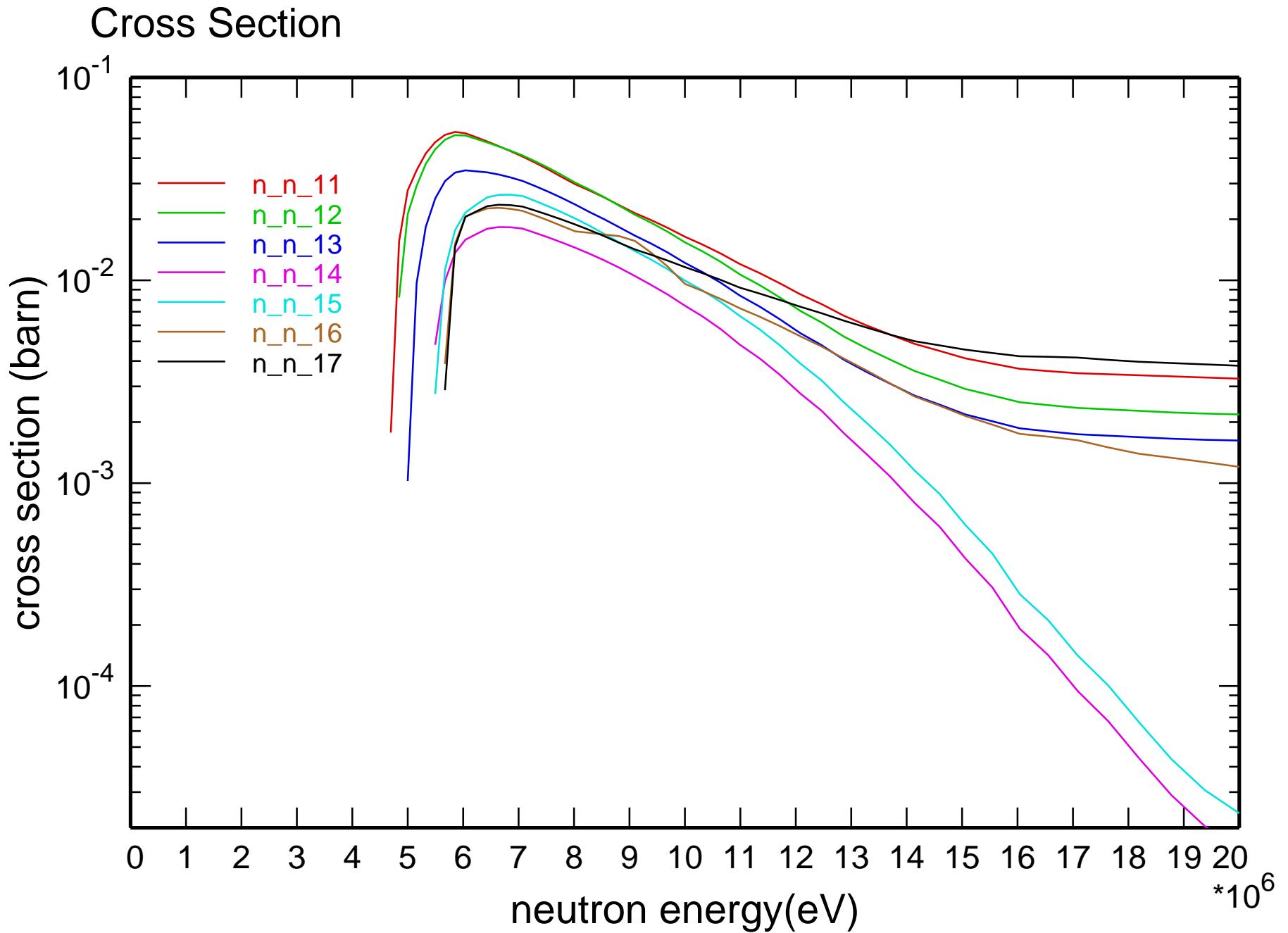


Cross Section

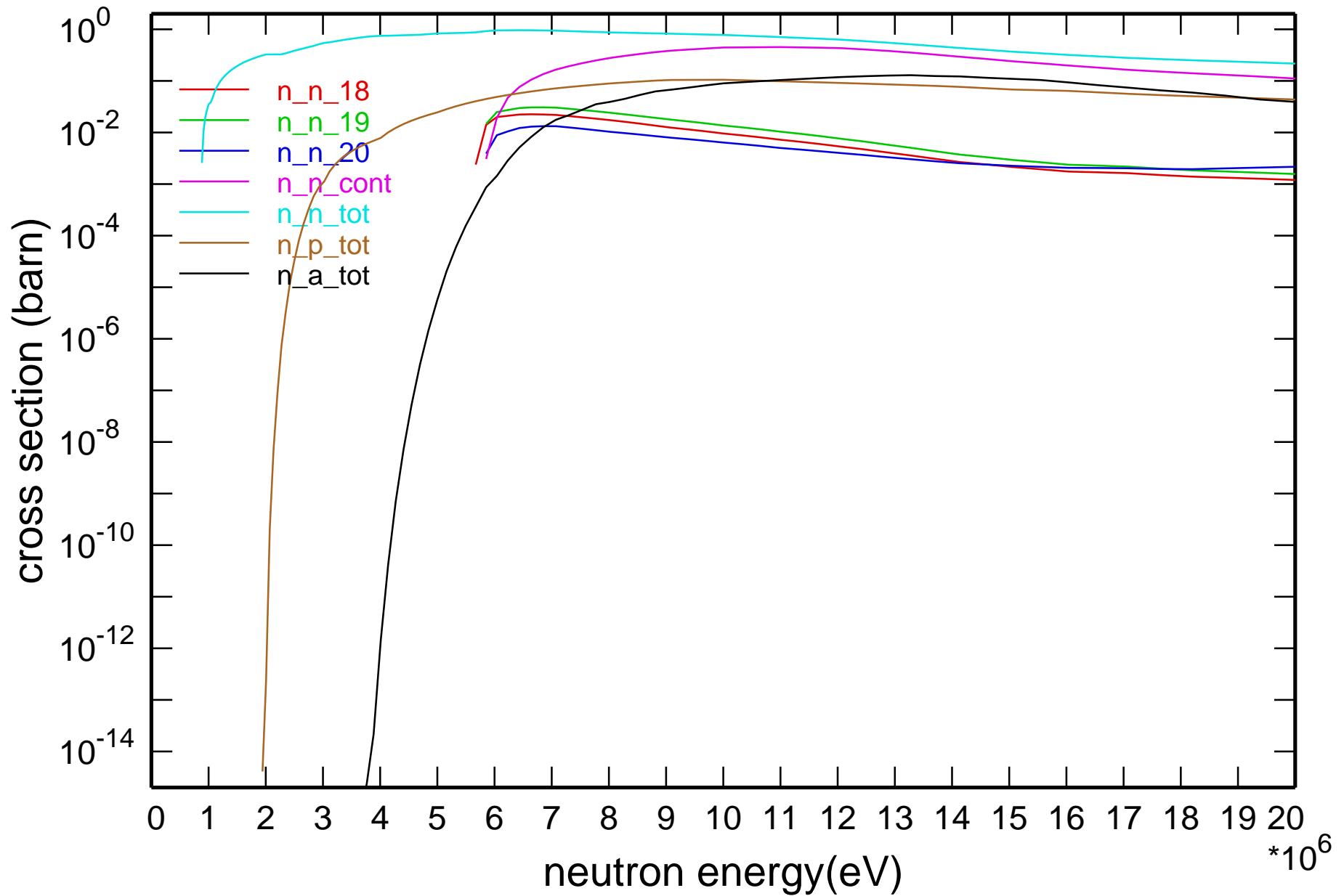


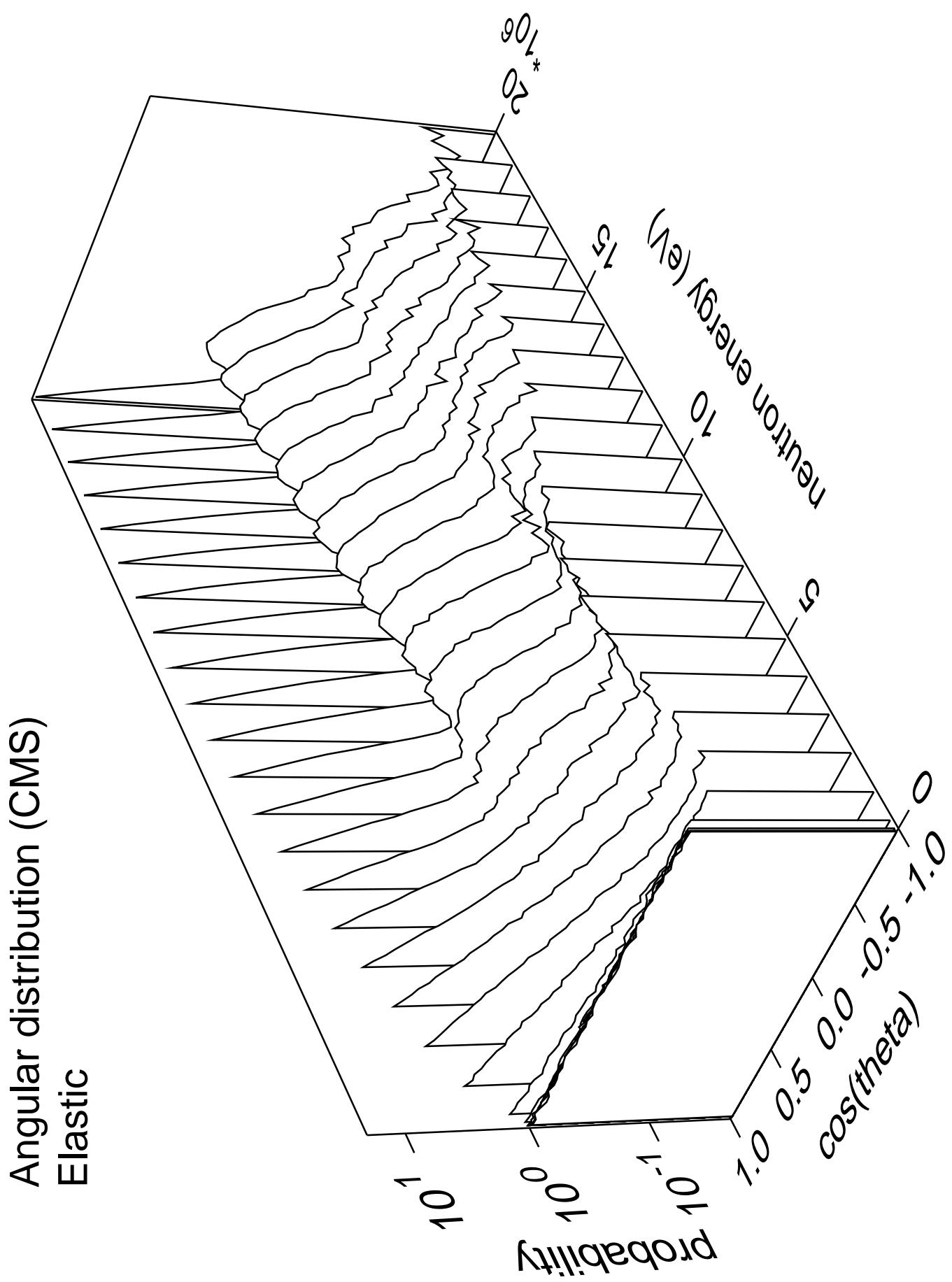
Cross Section

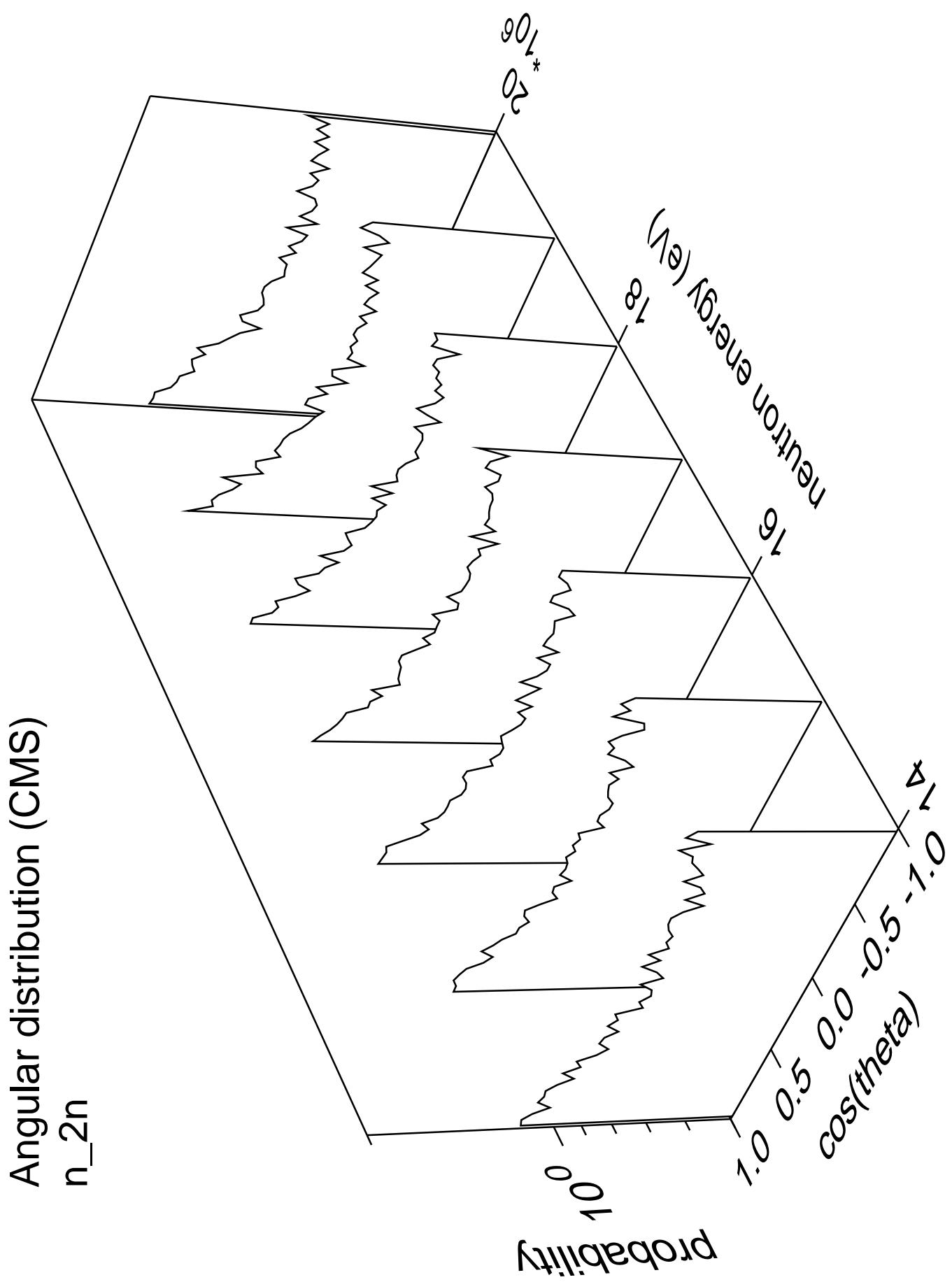


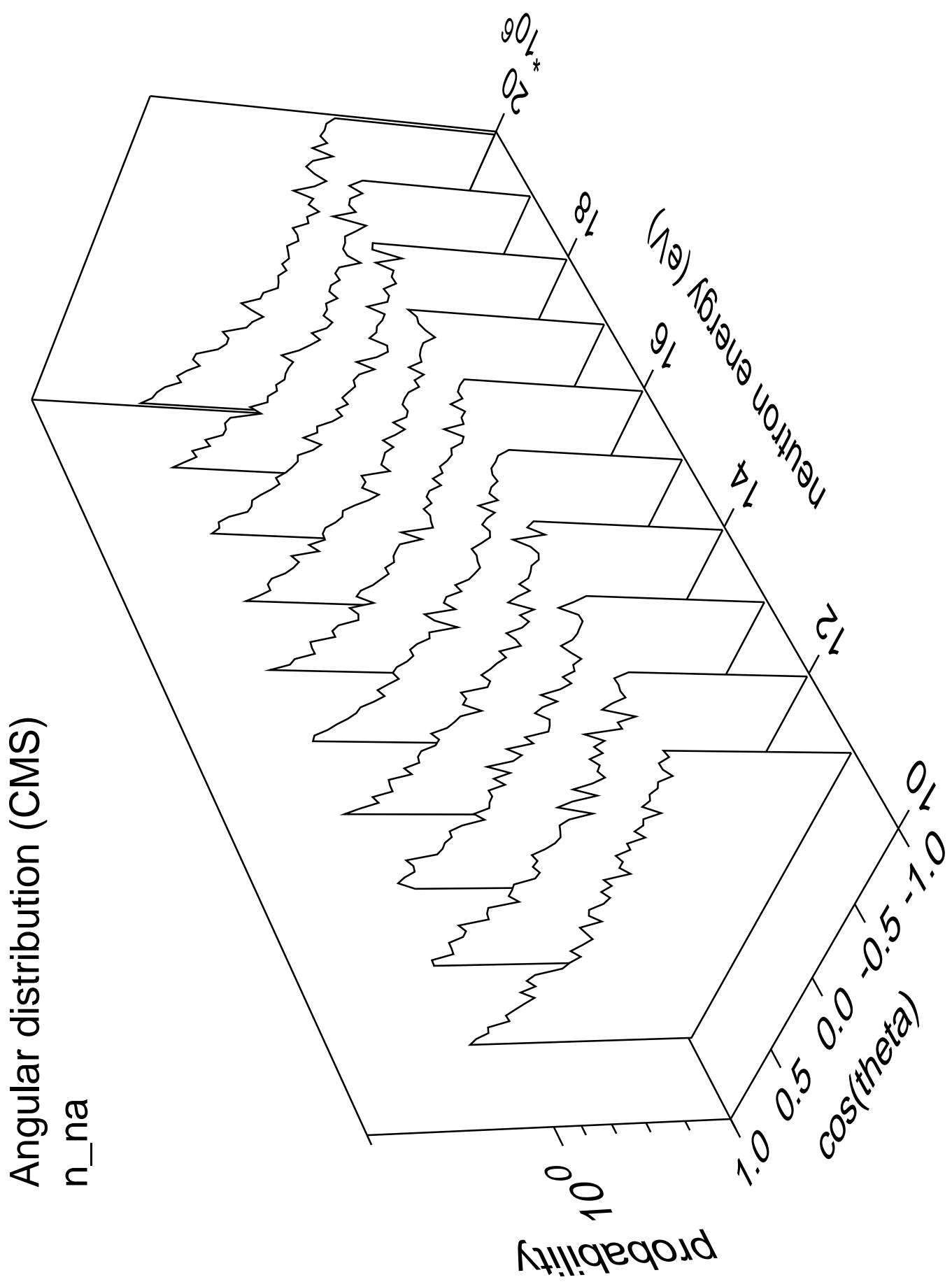


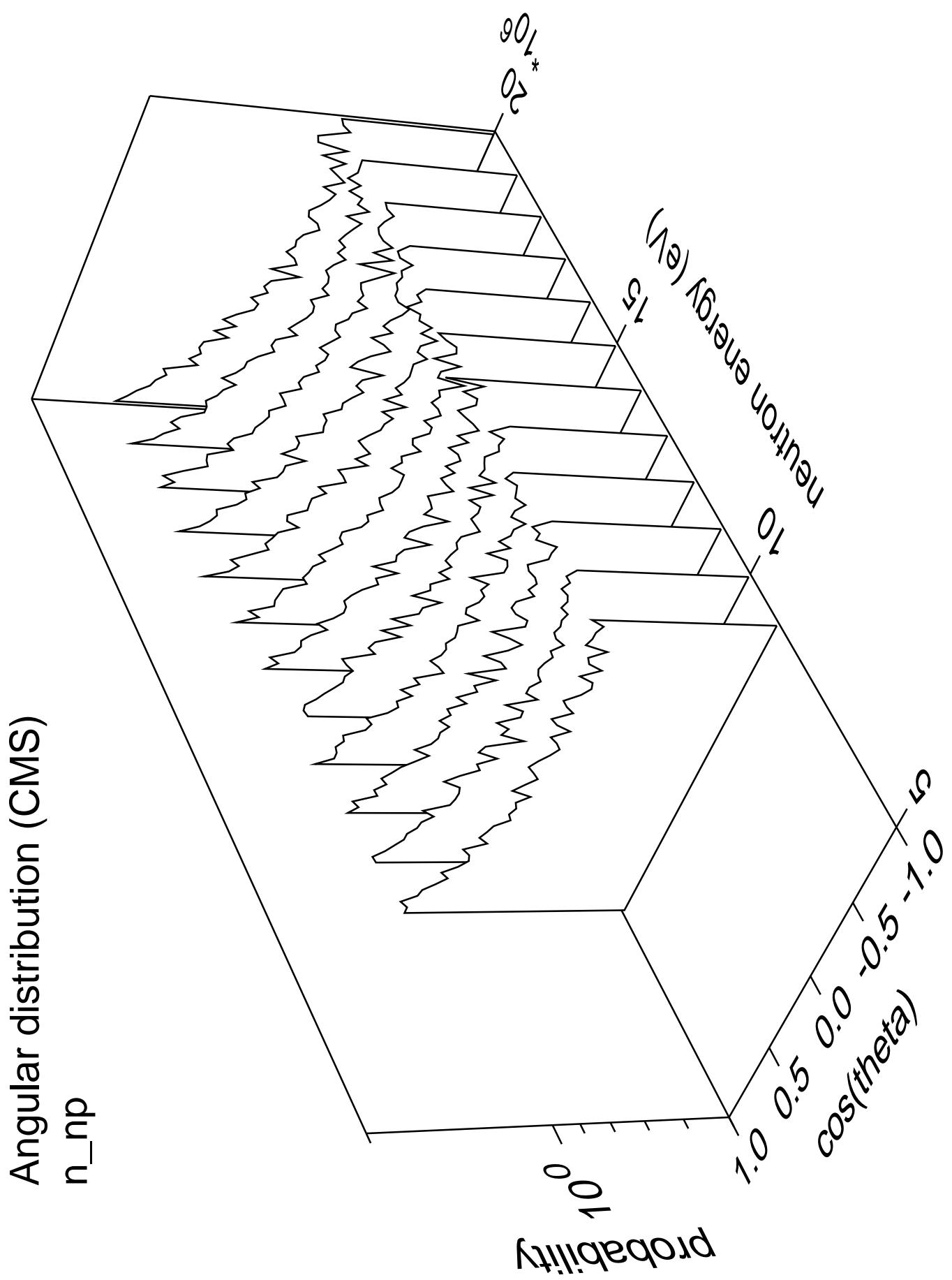
Cross Section

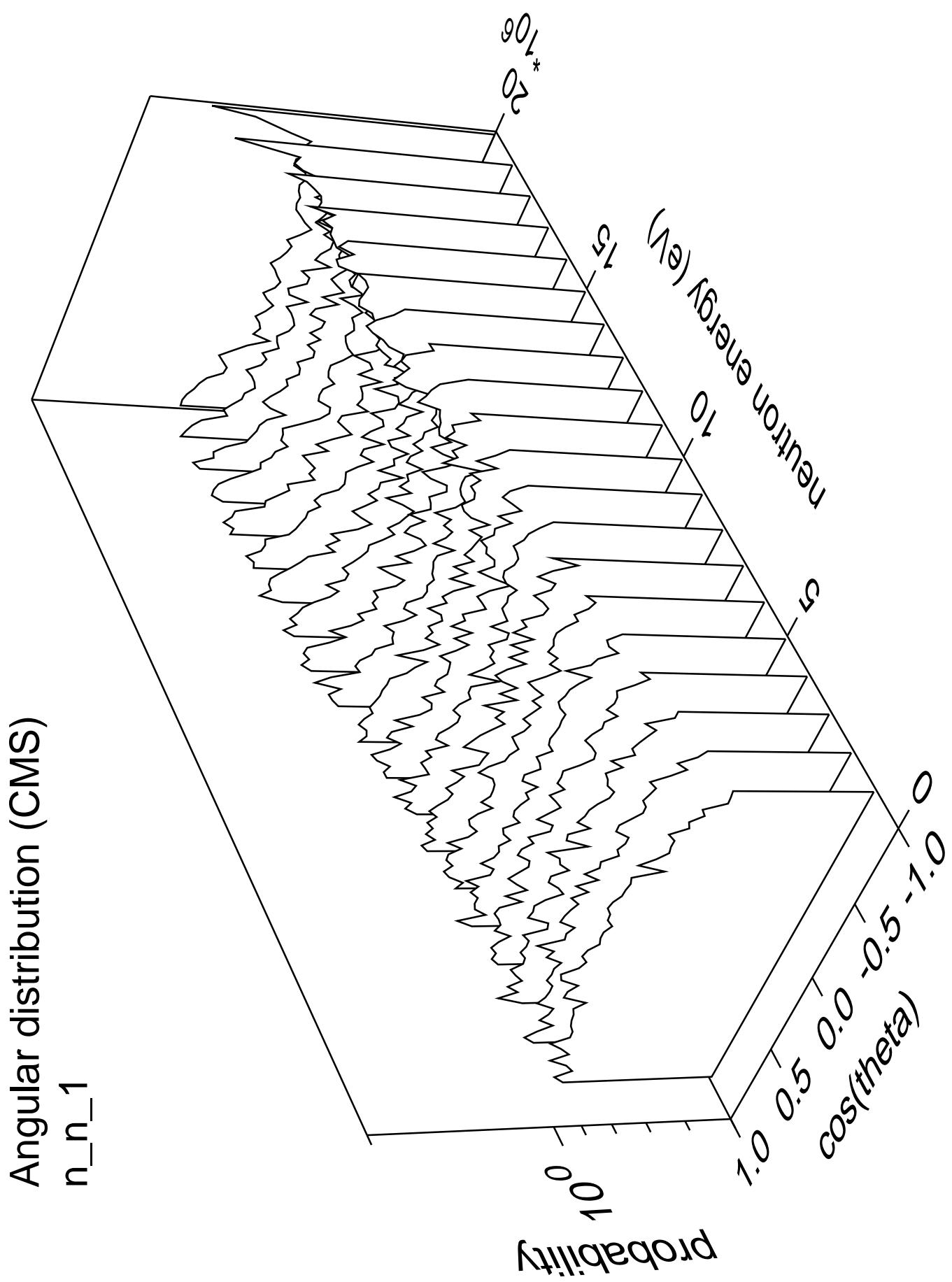


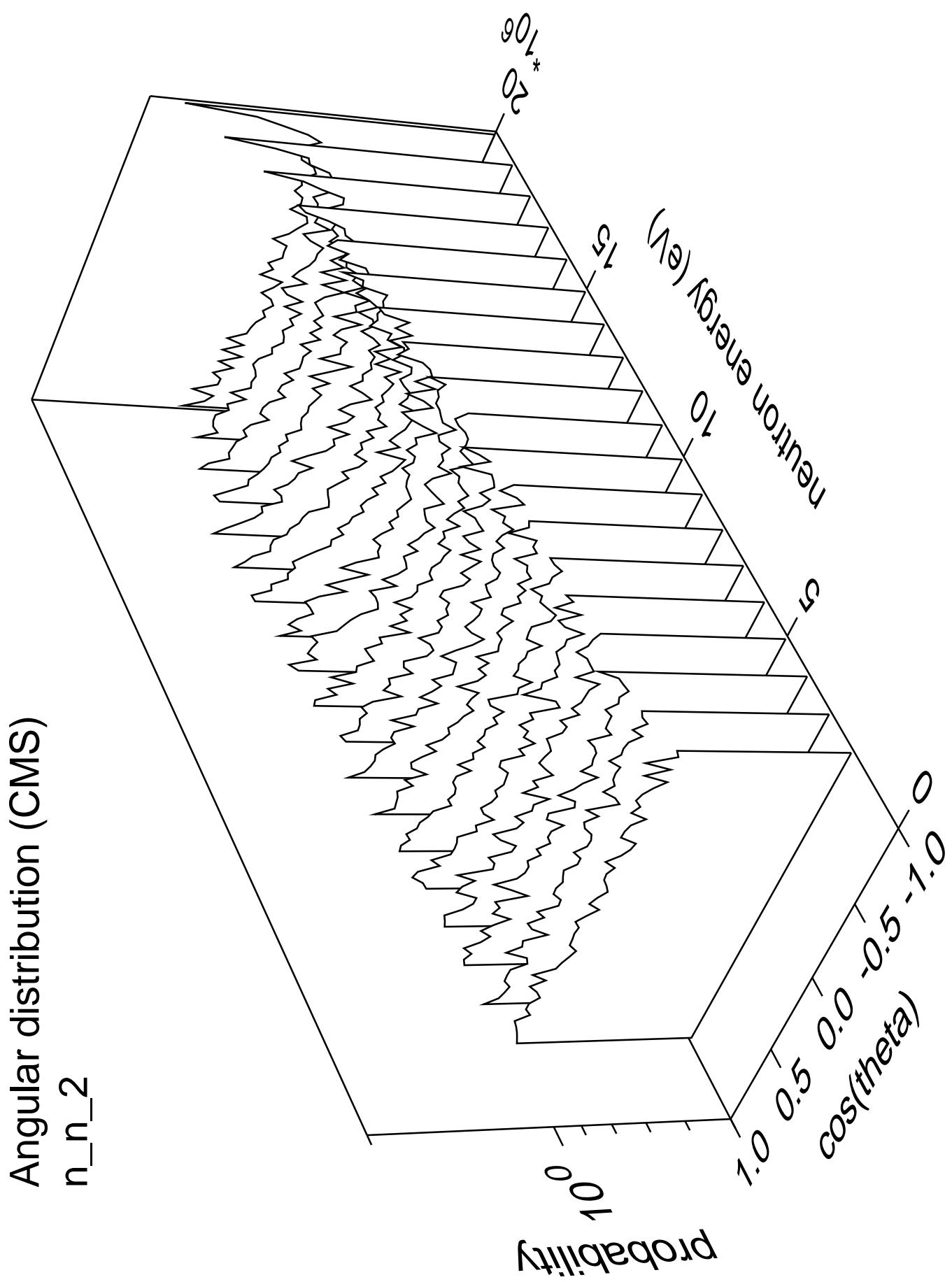


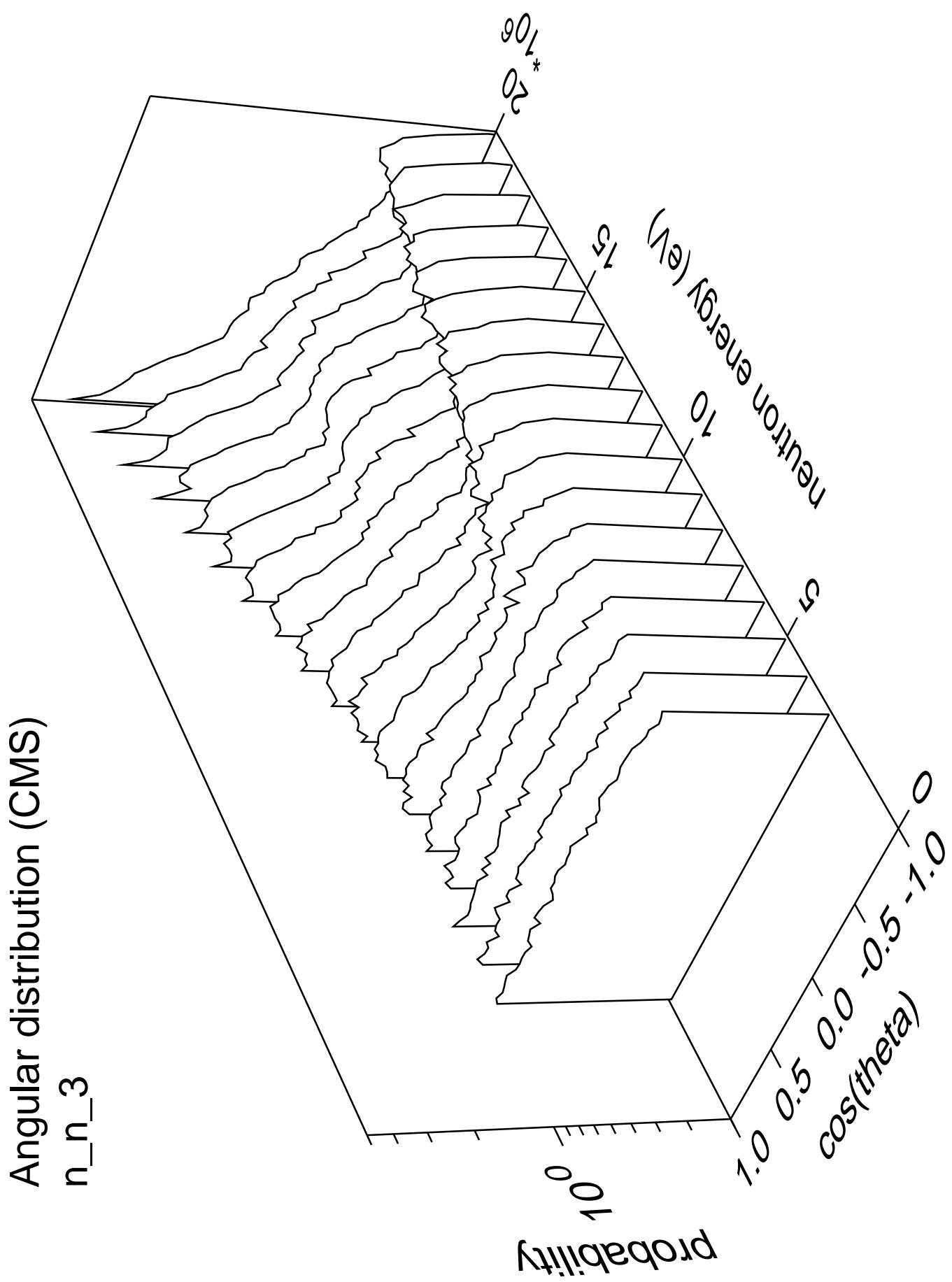


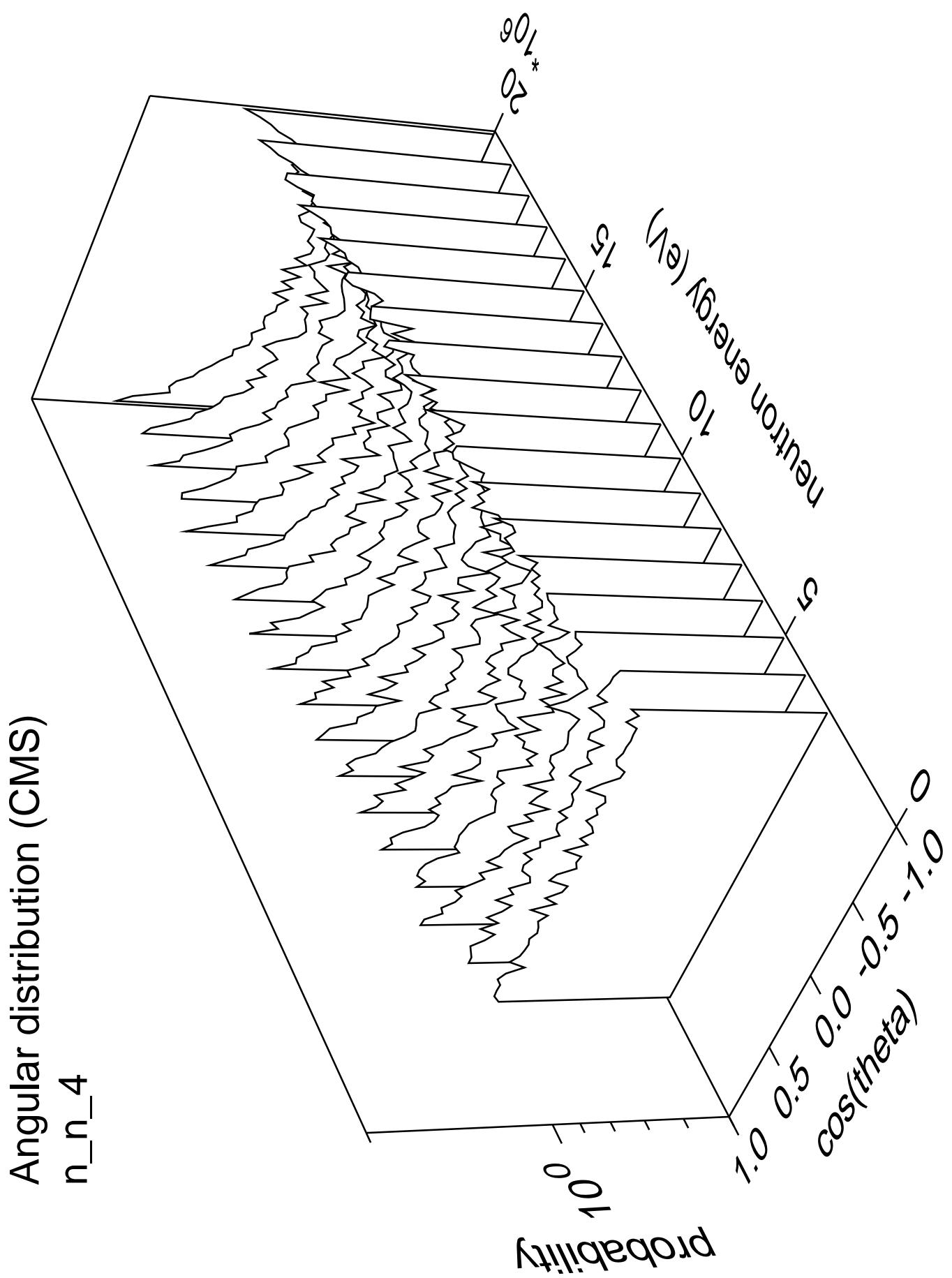


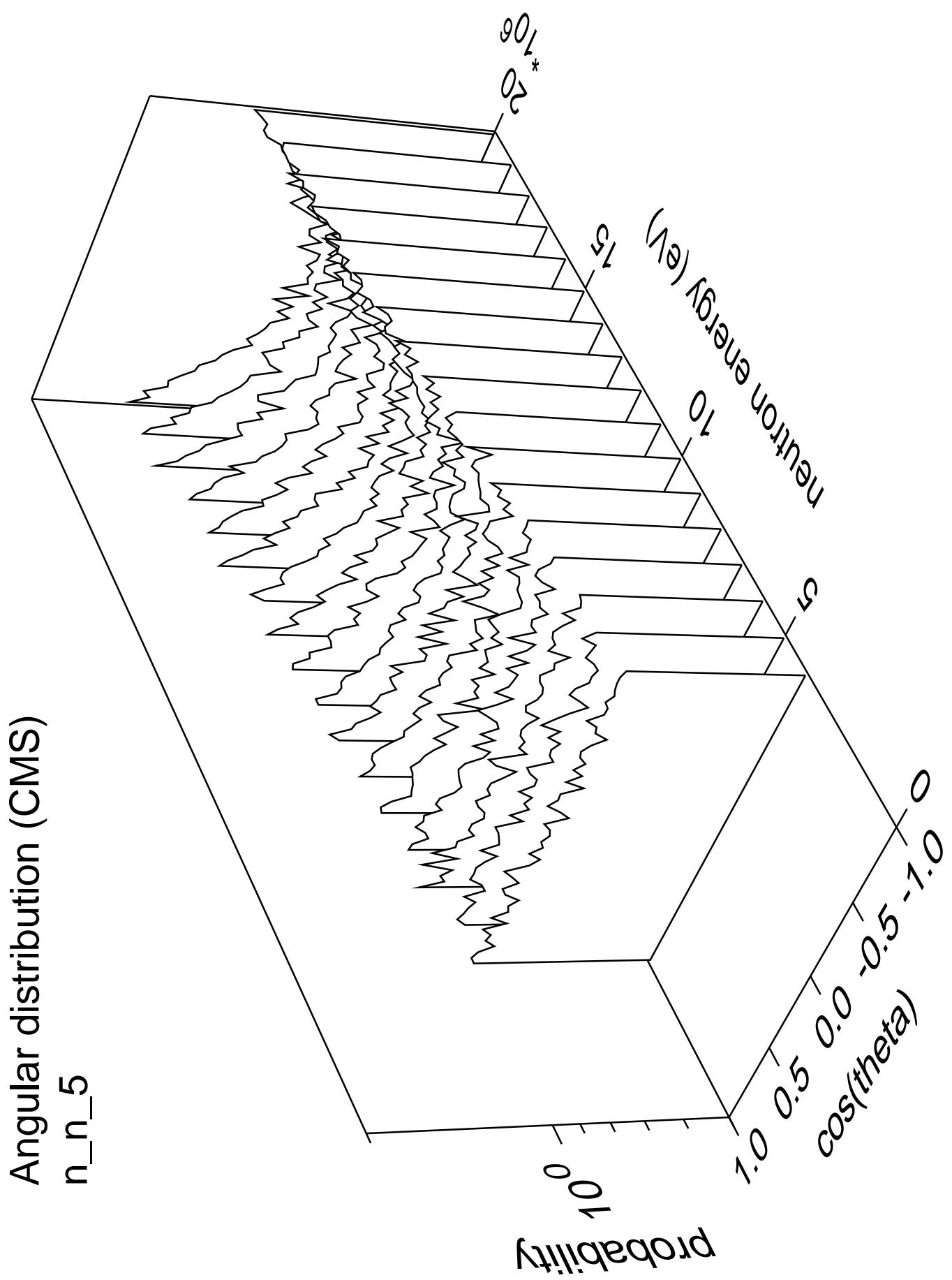


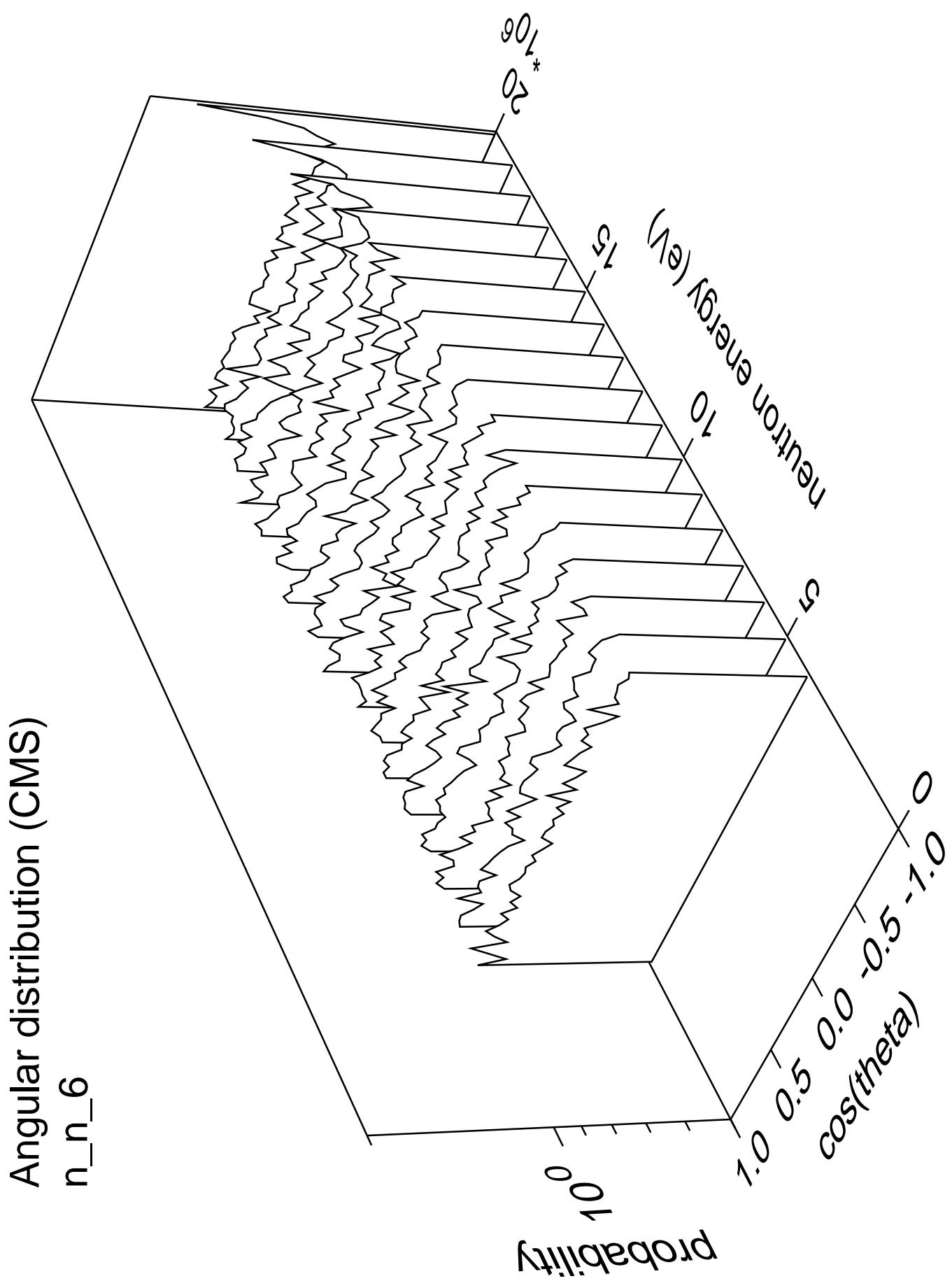


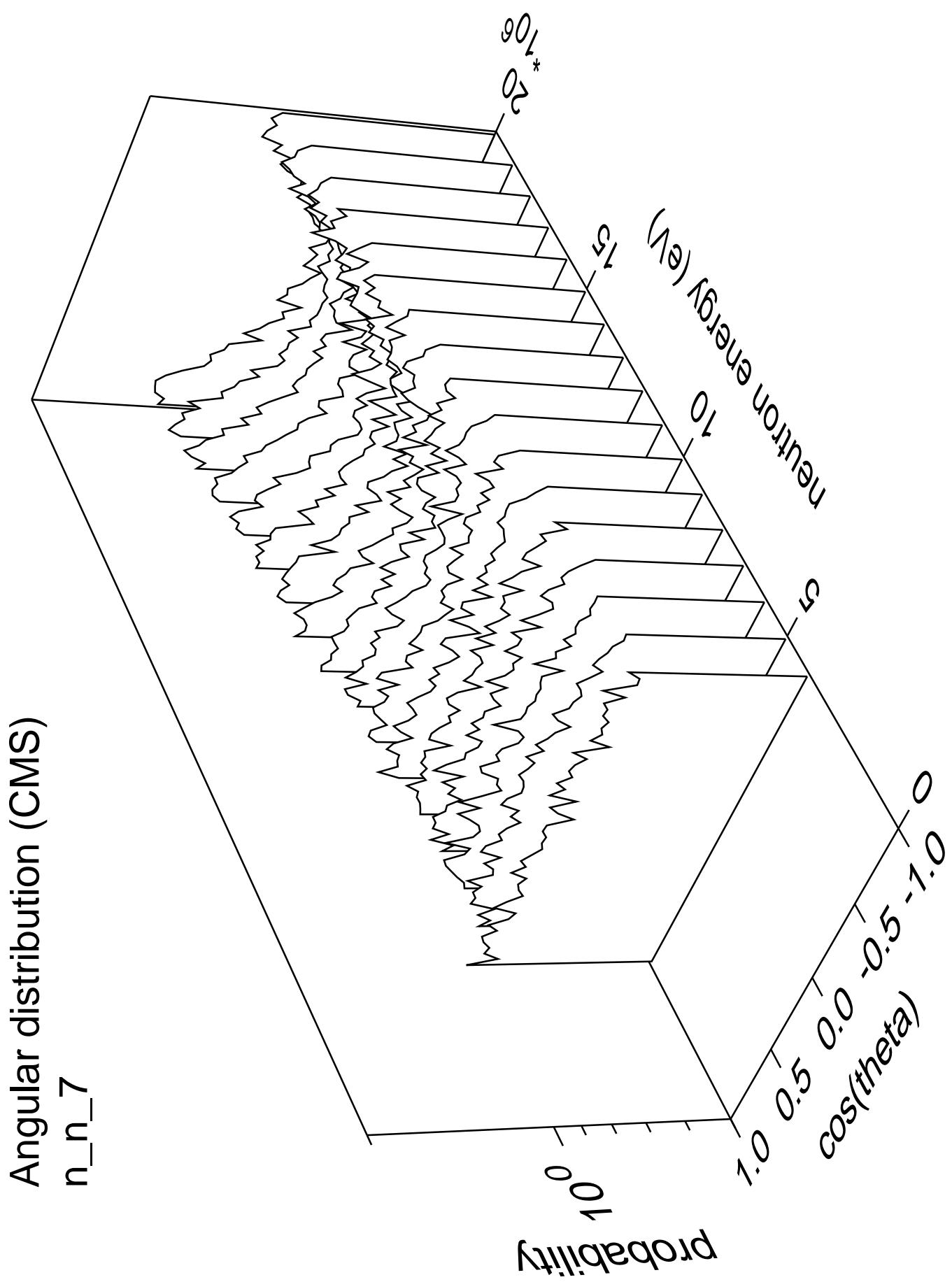


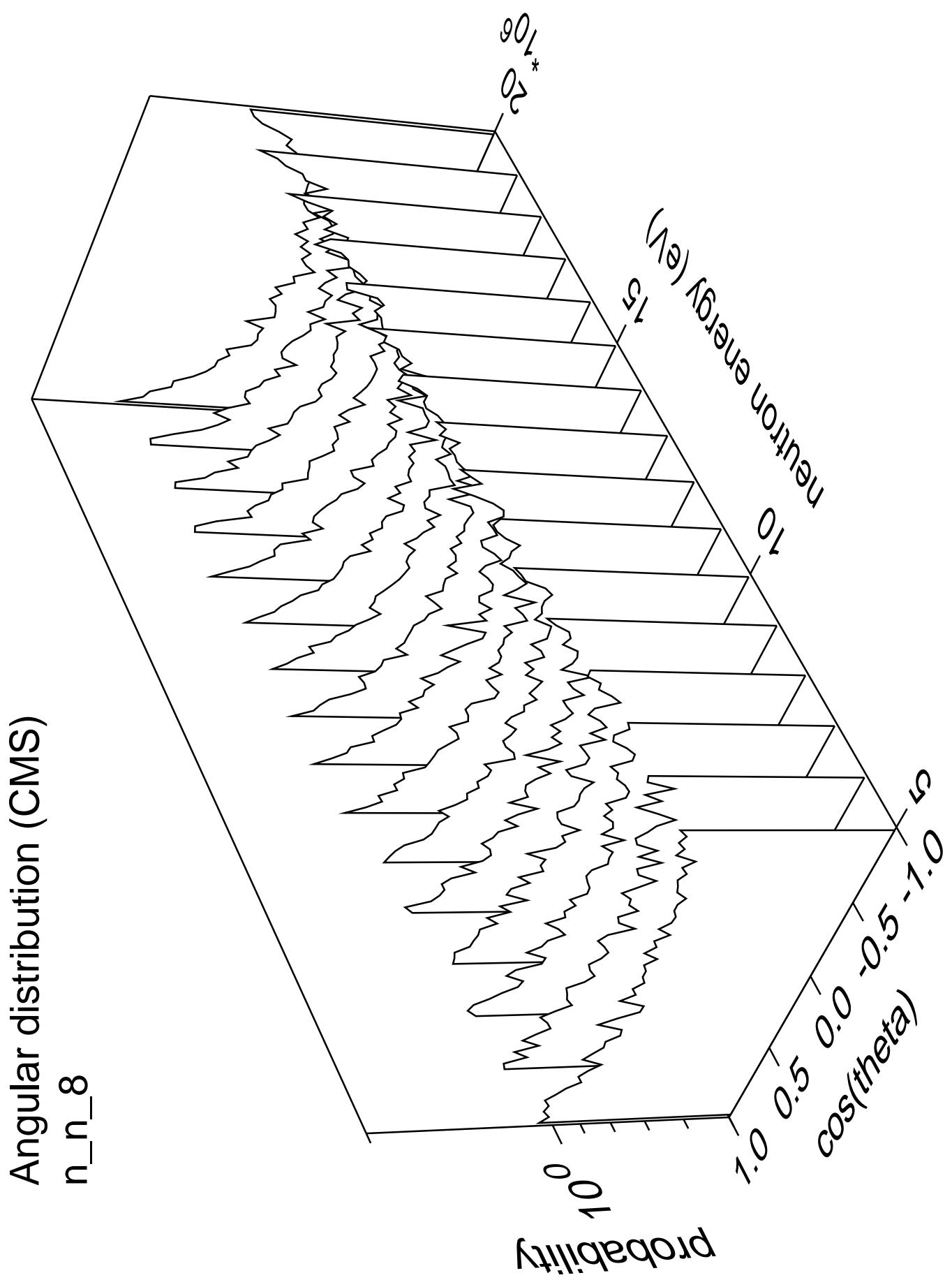


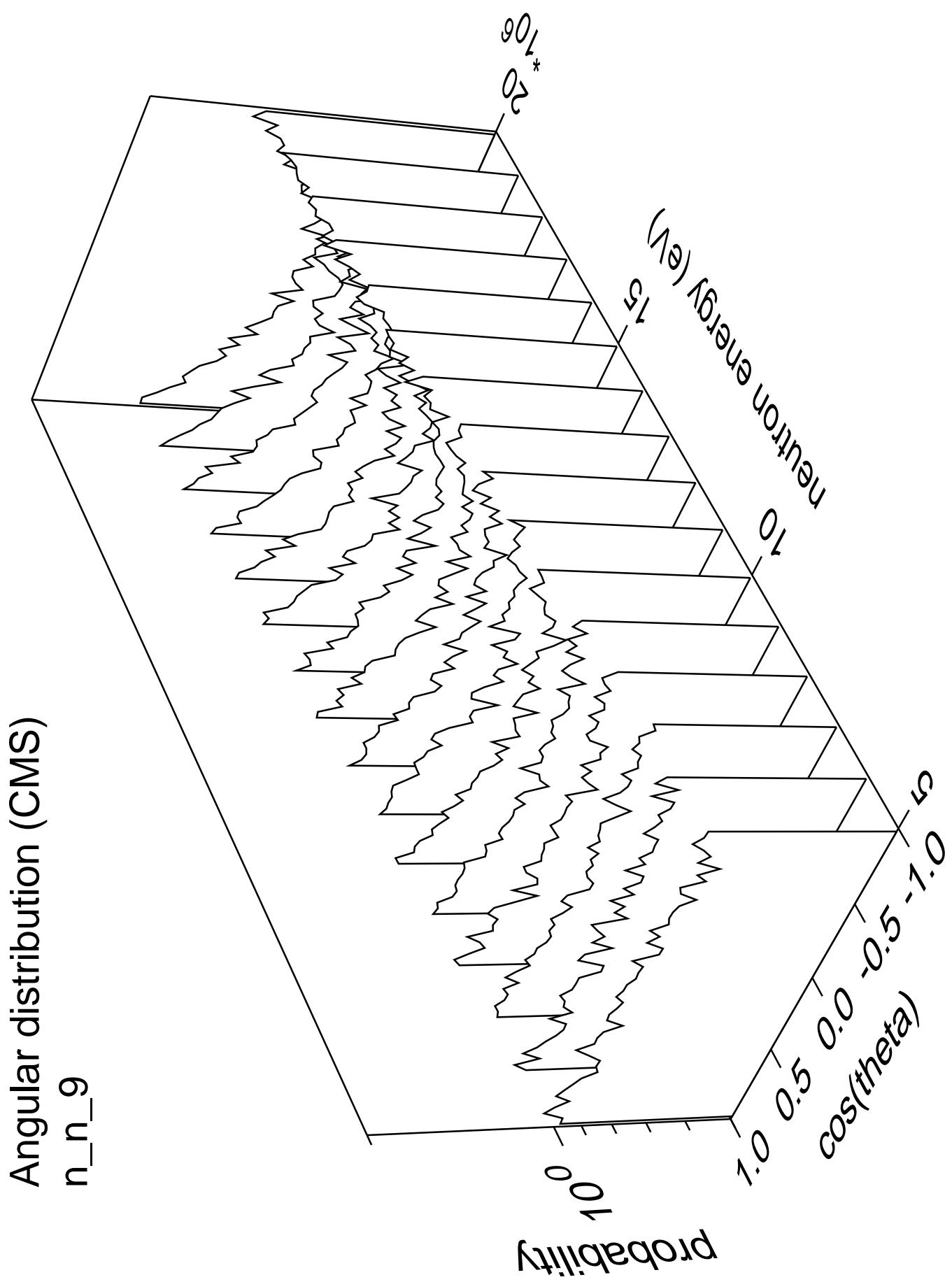


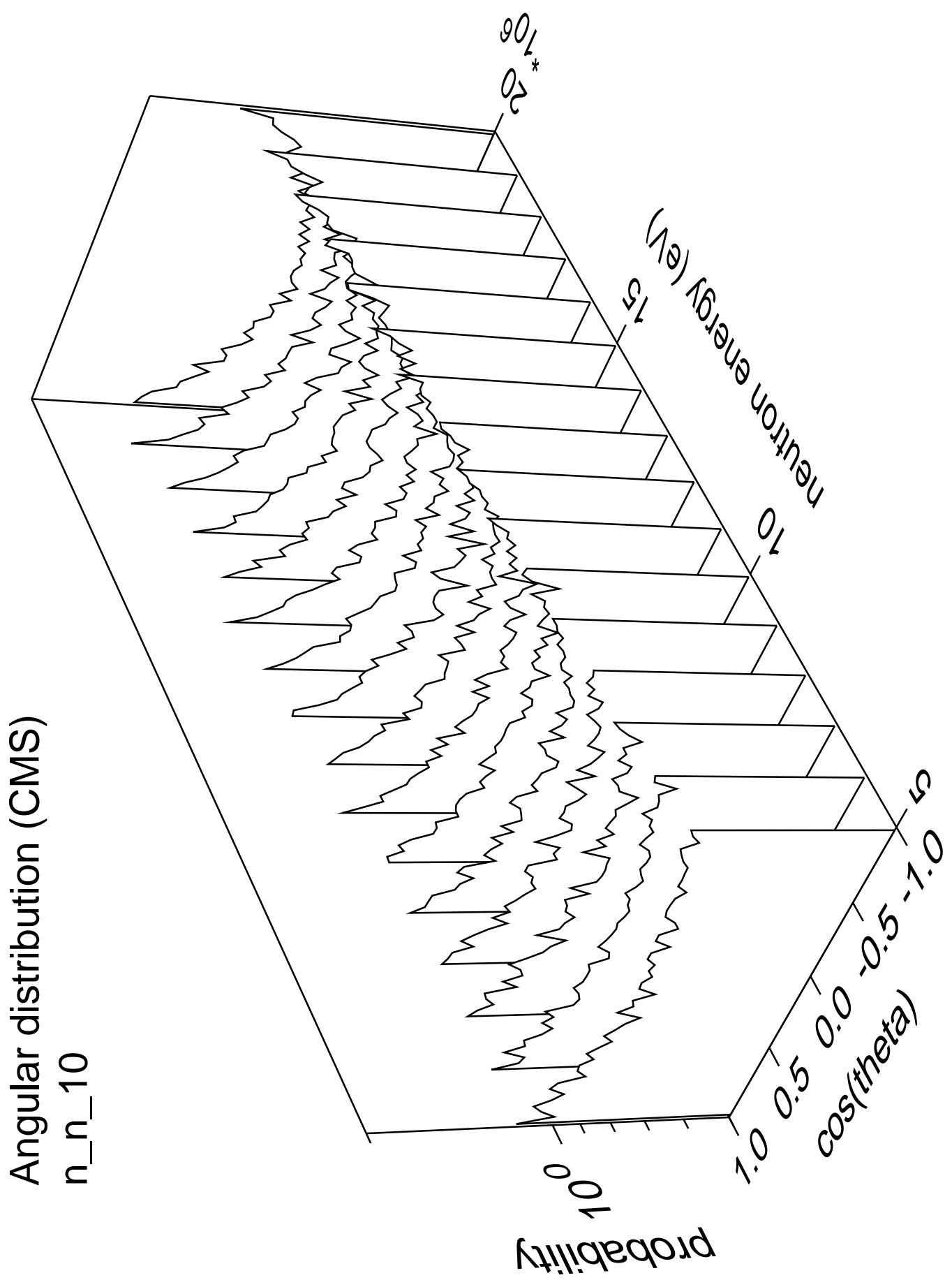


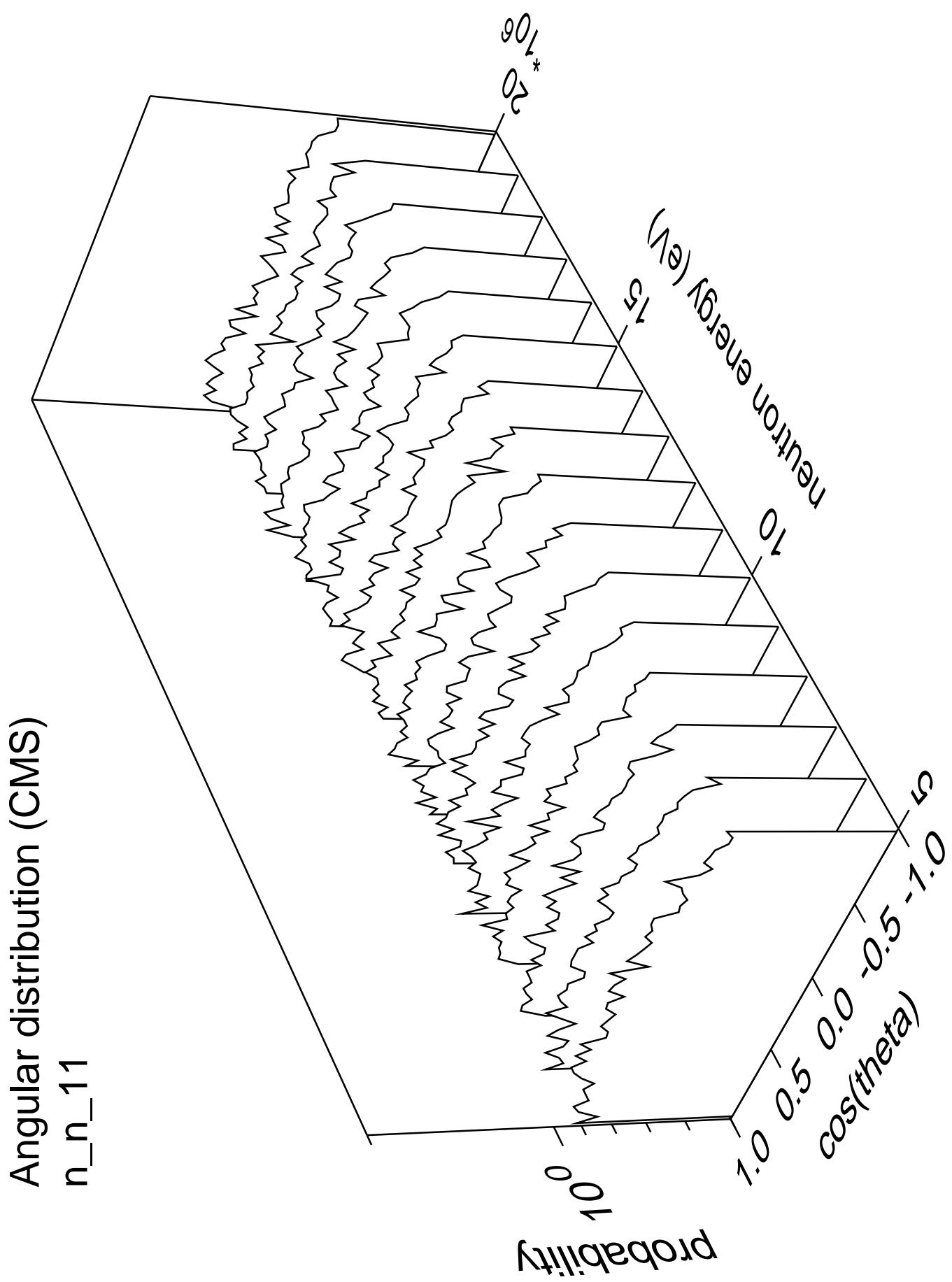


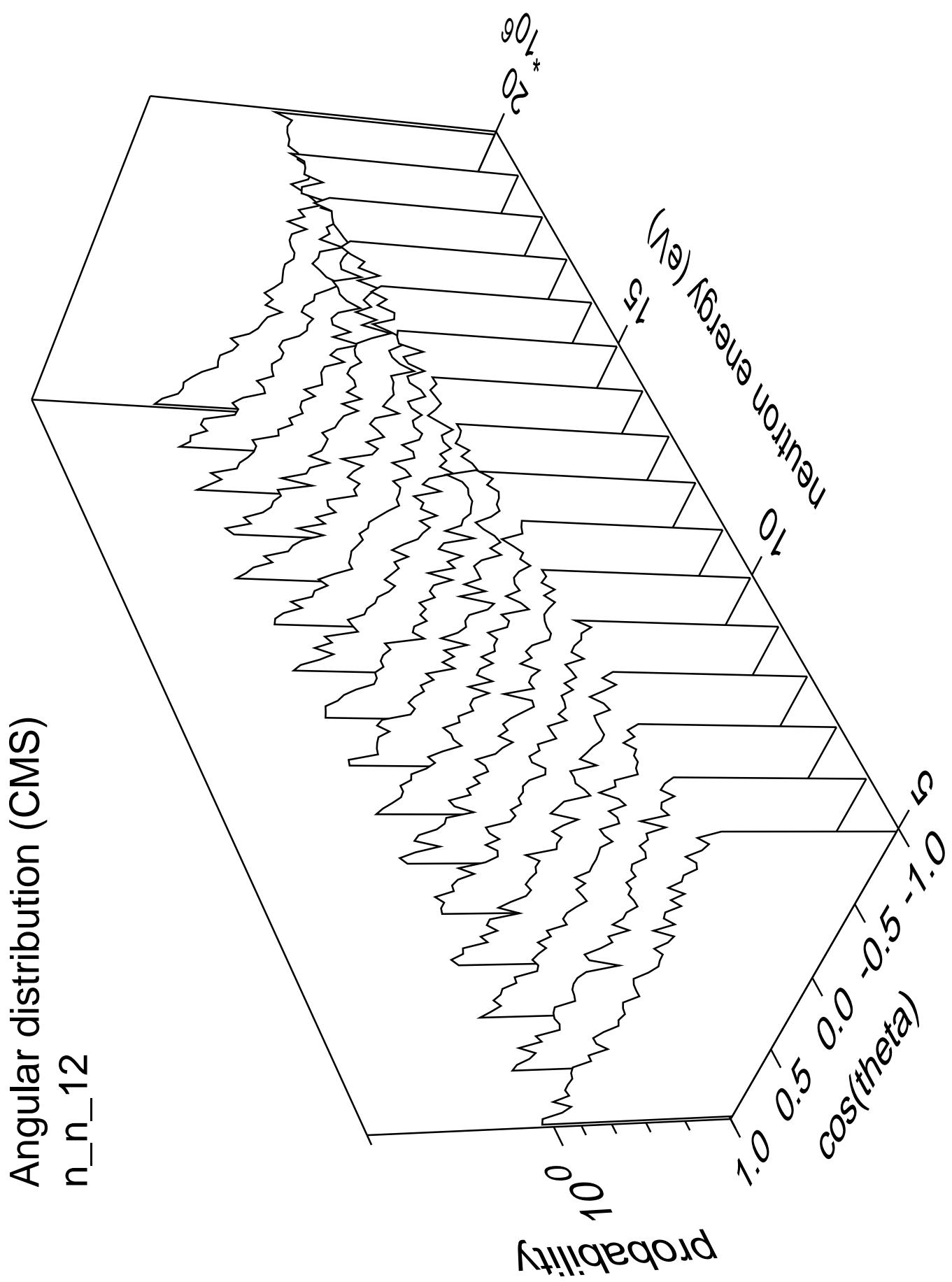






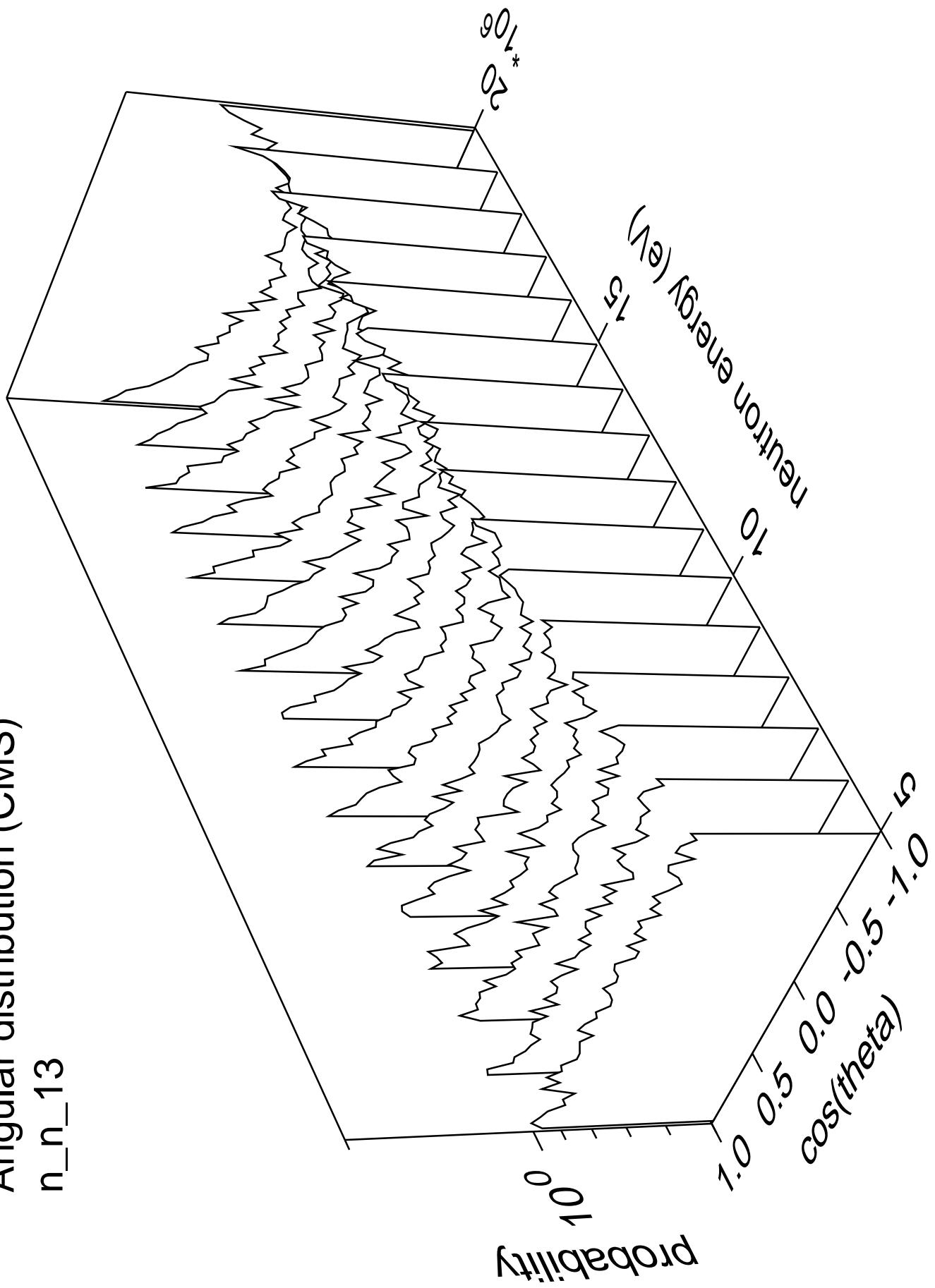


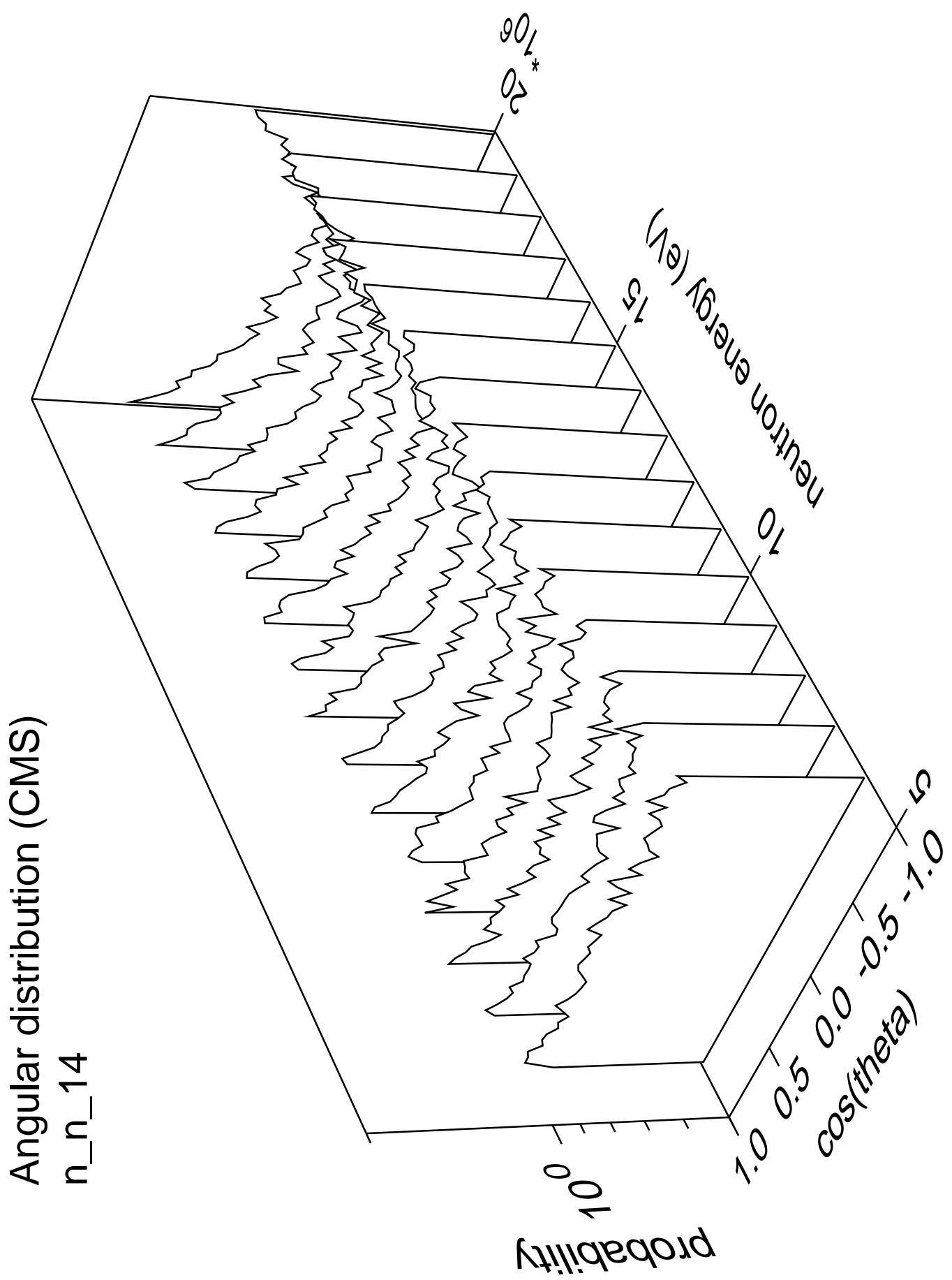


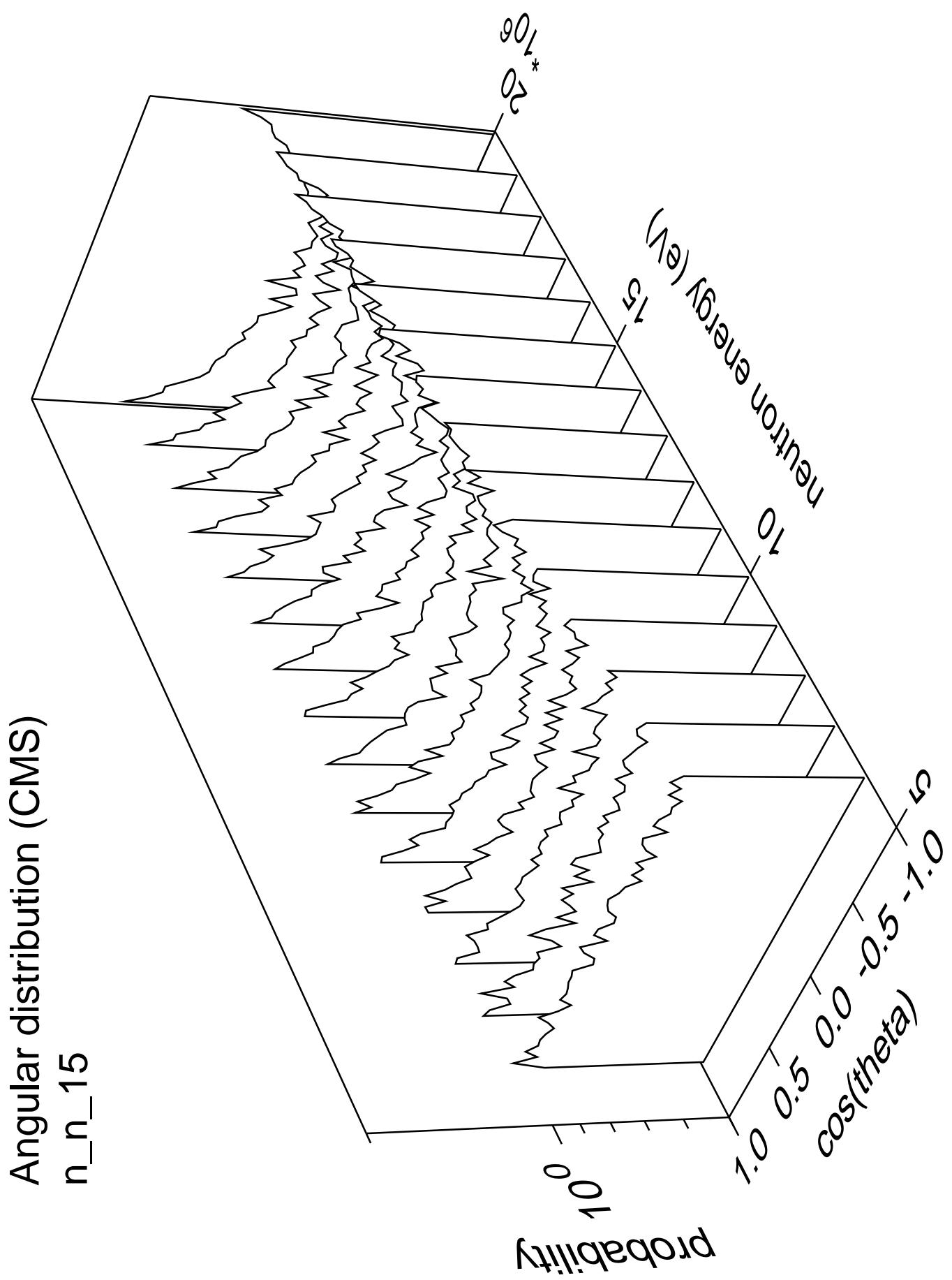


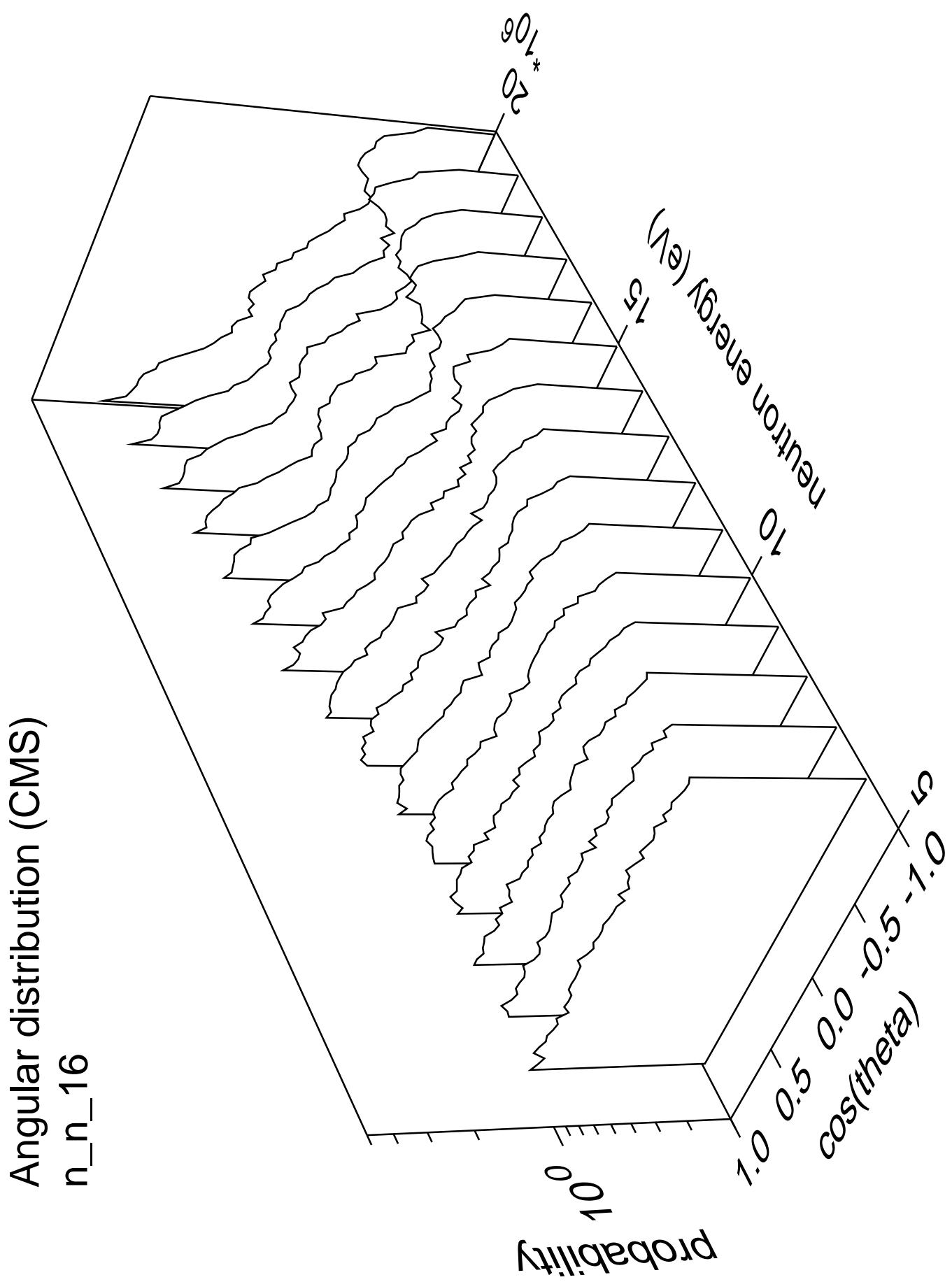
Angular distribution (CMS)

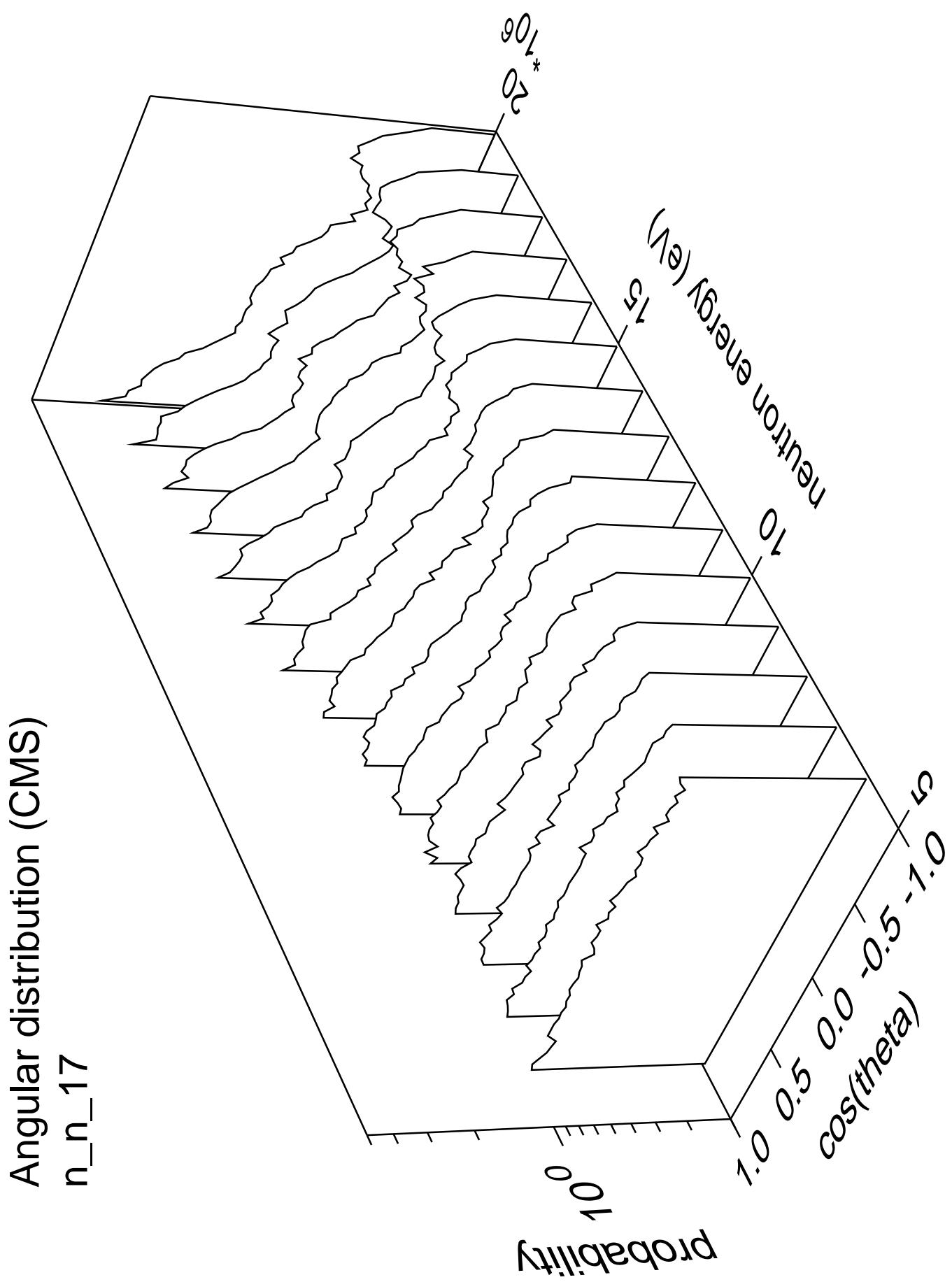
n_n_13

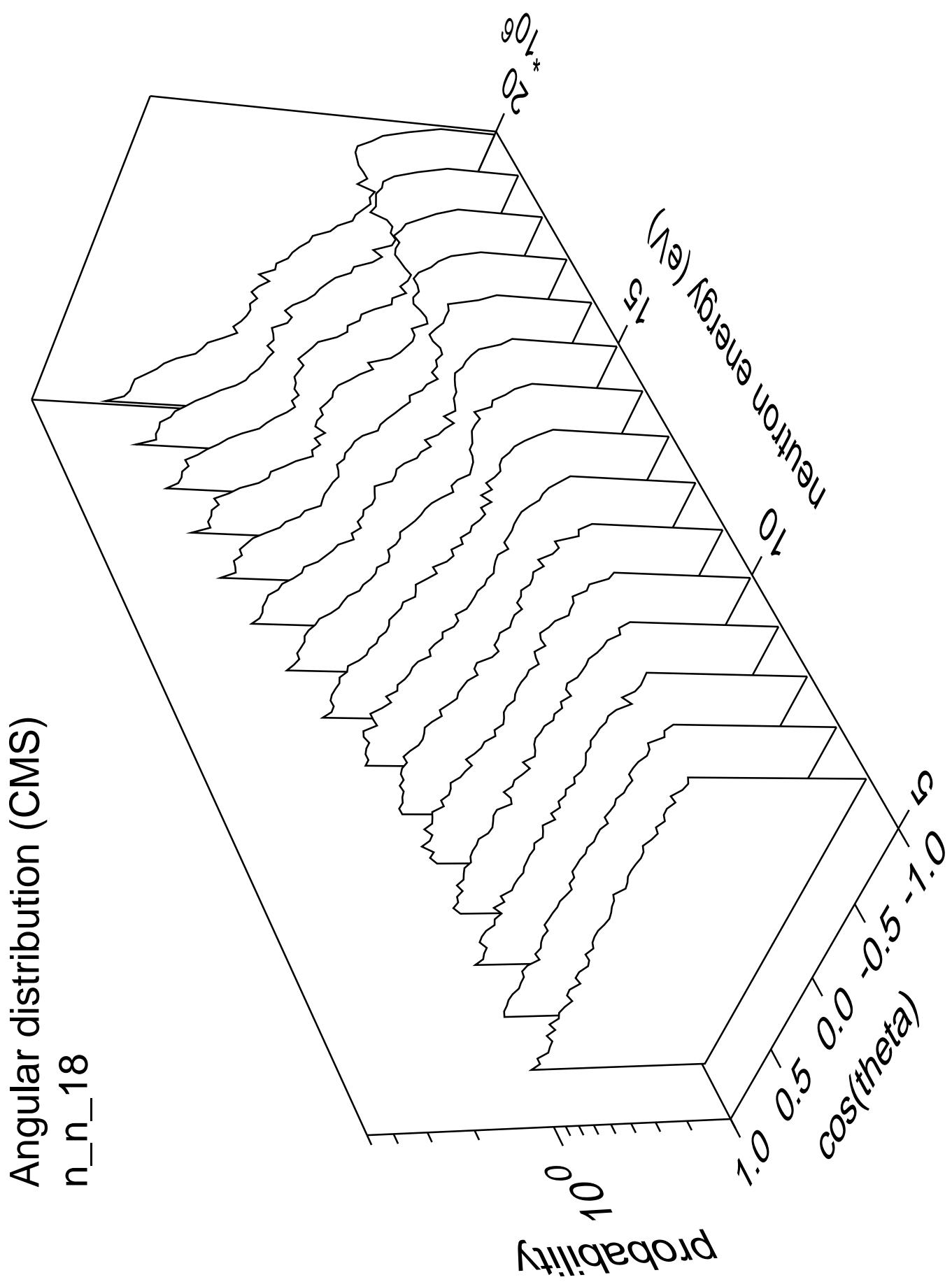


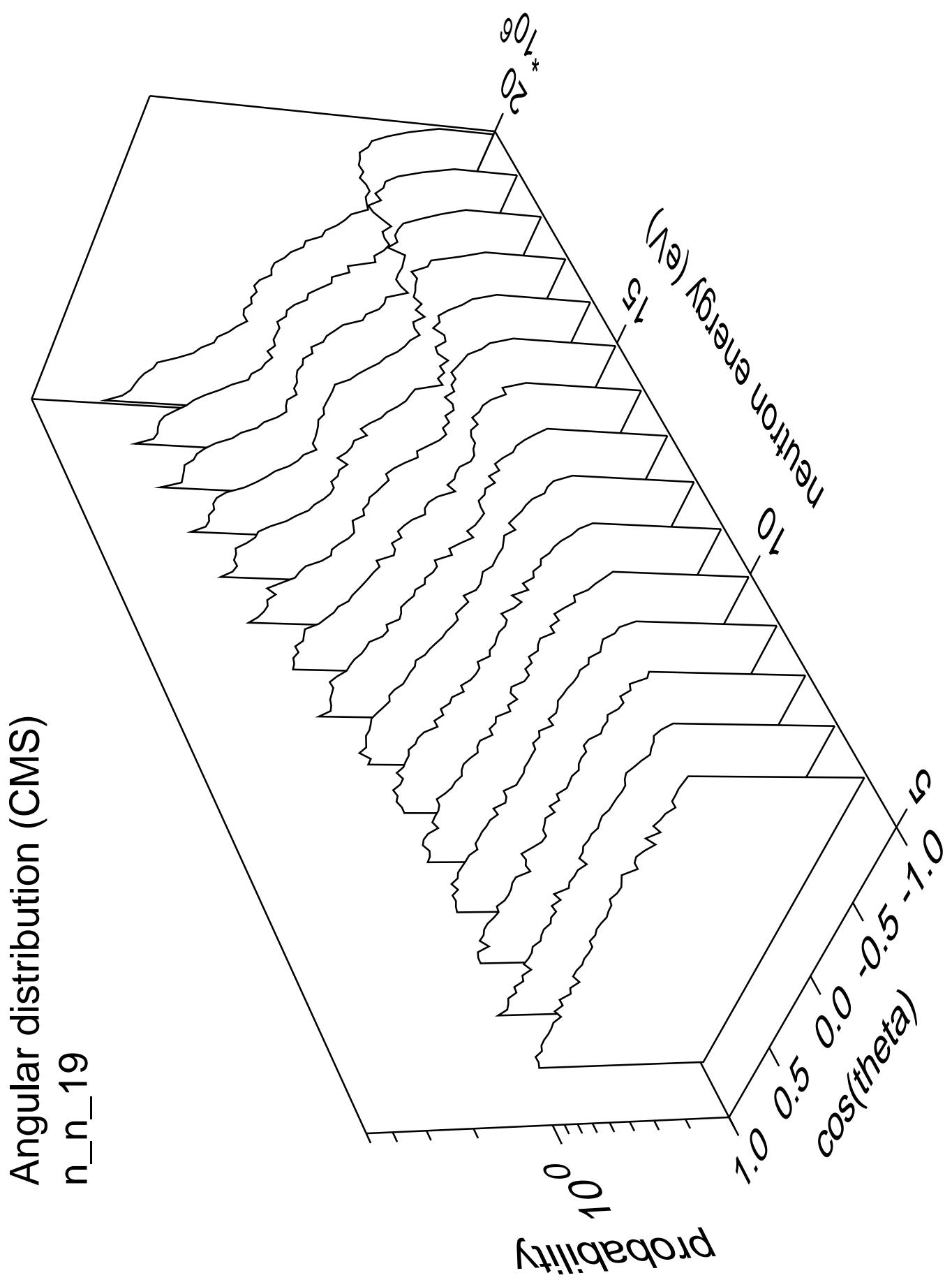


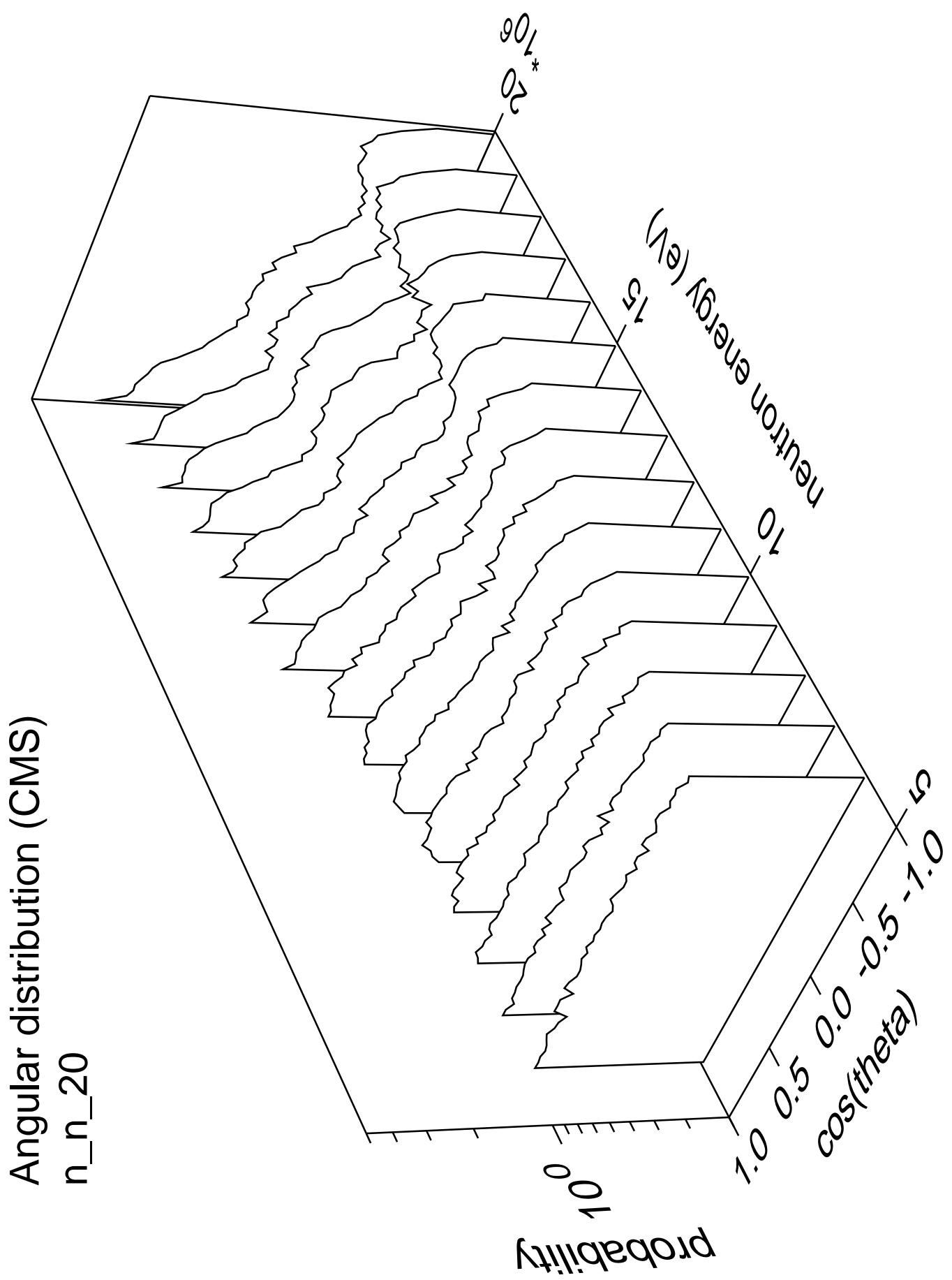


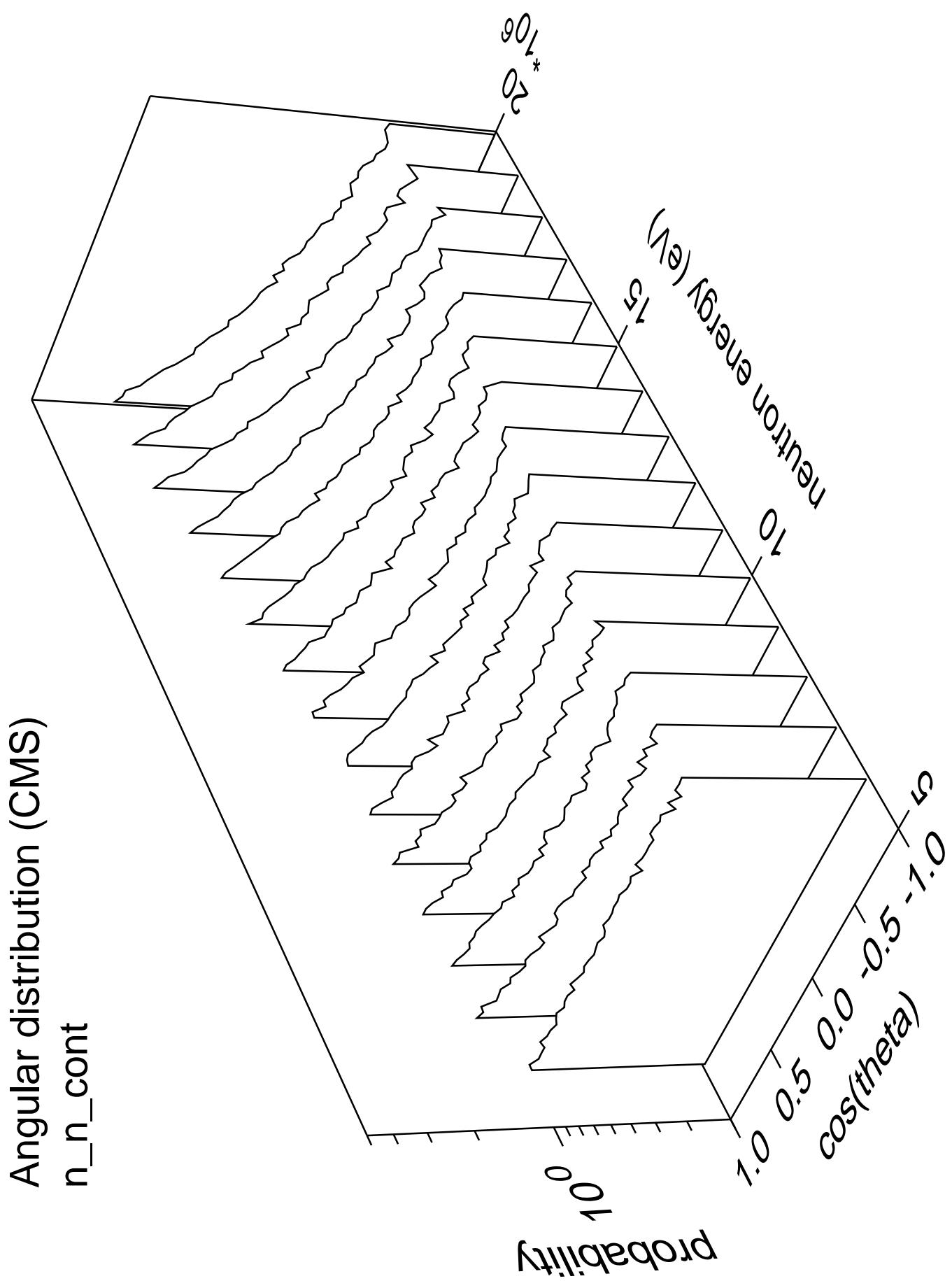


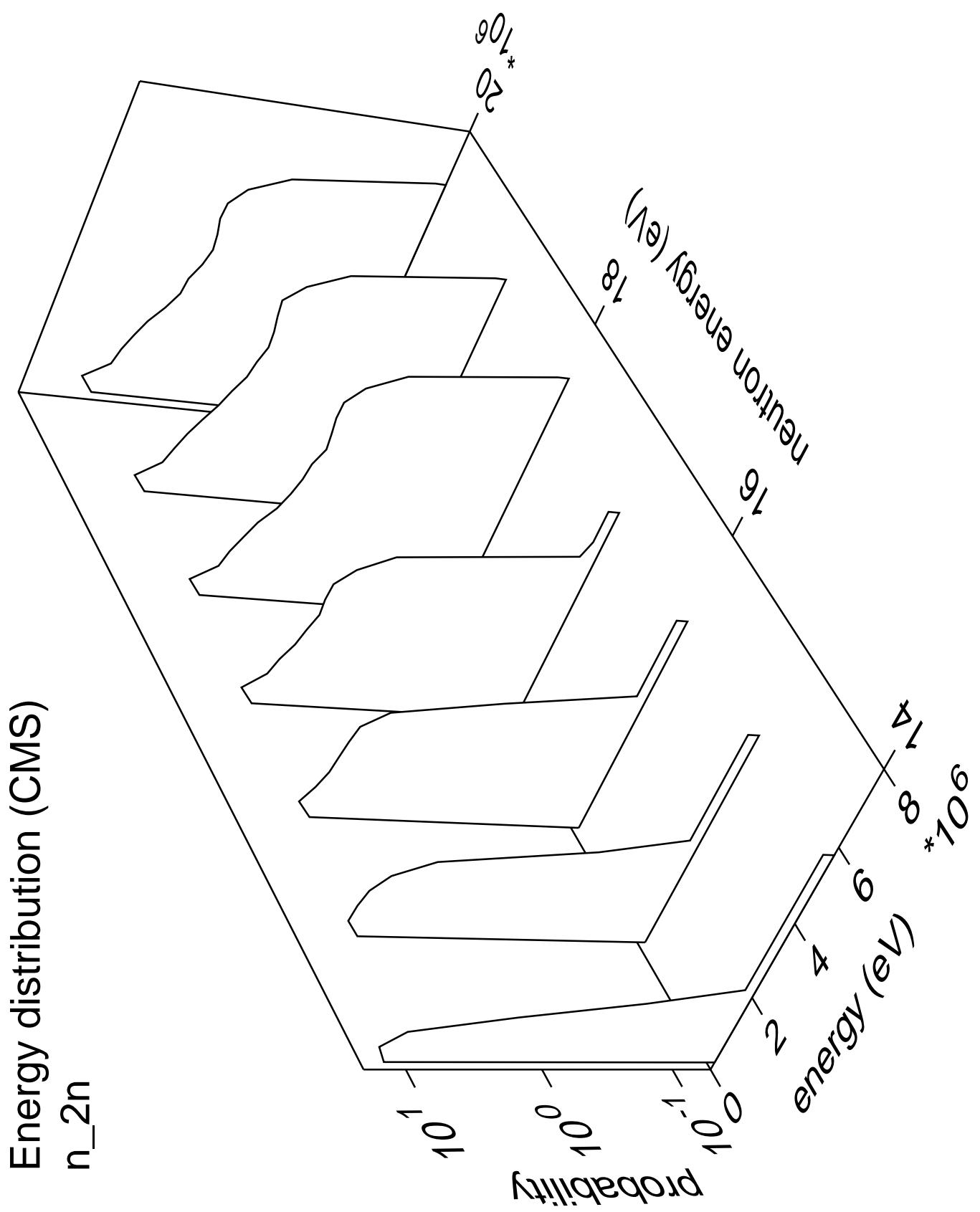


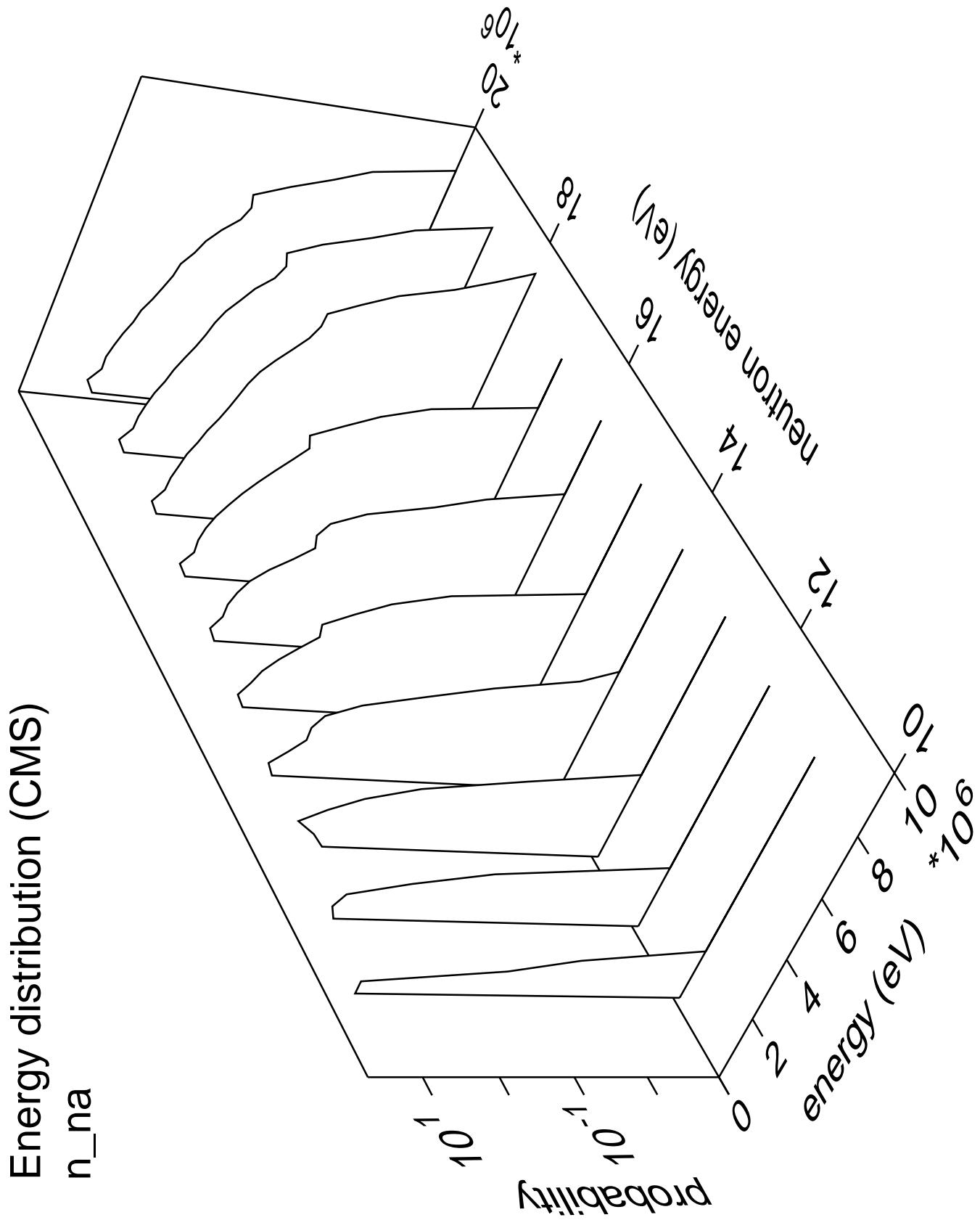


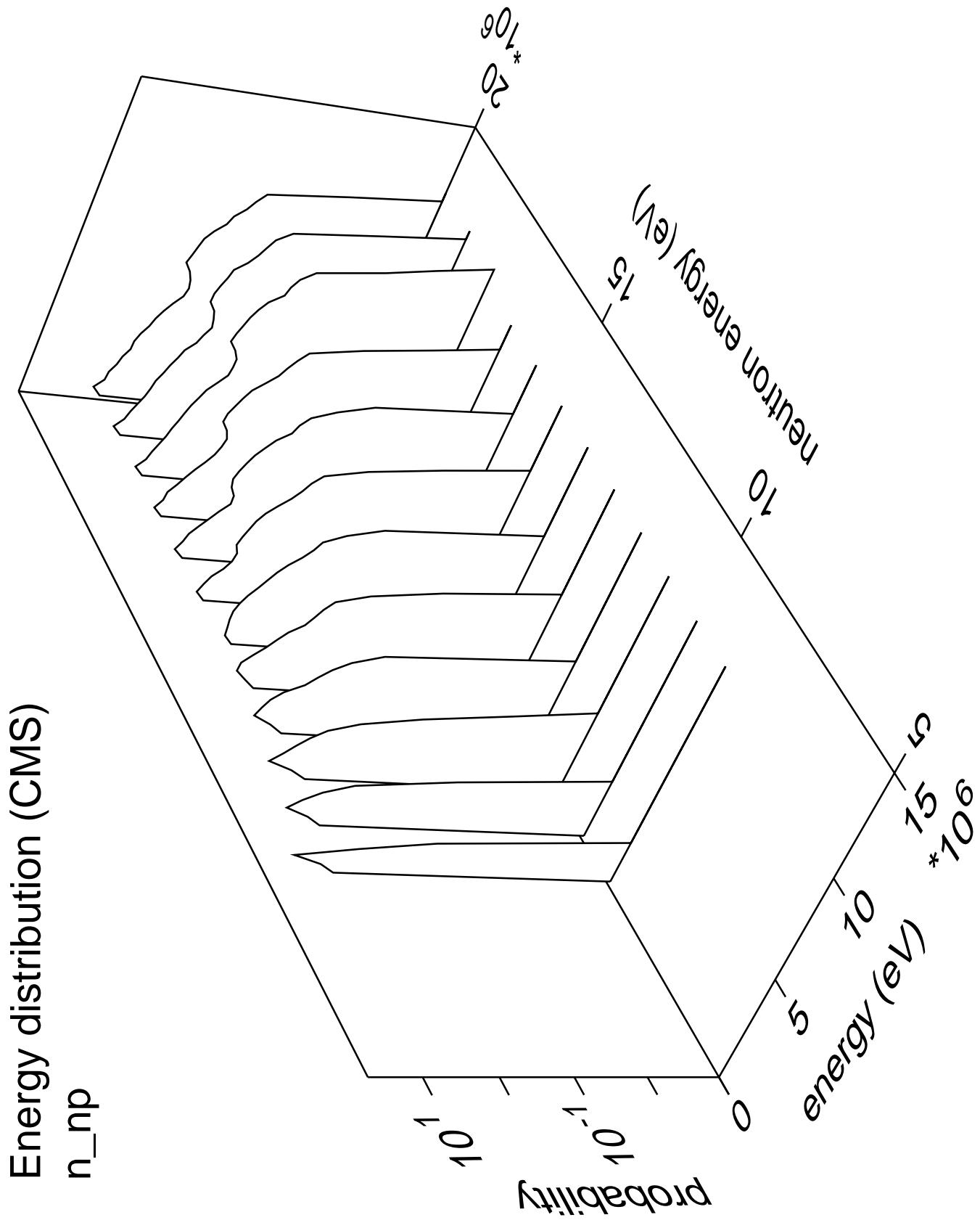


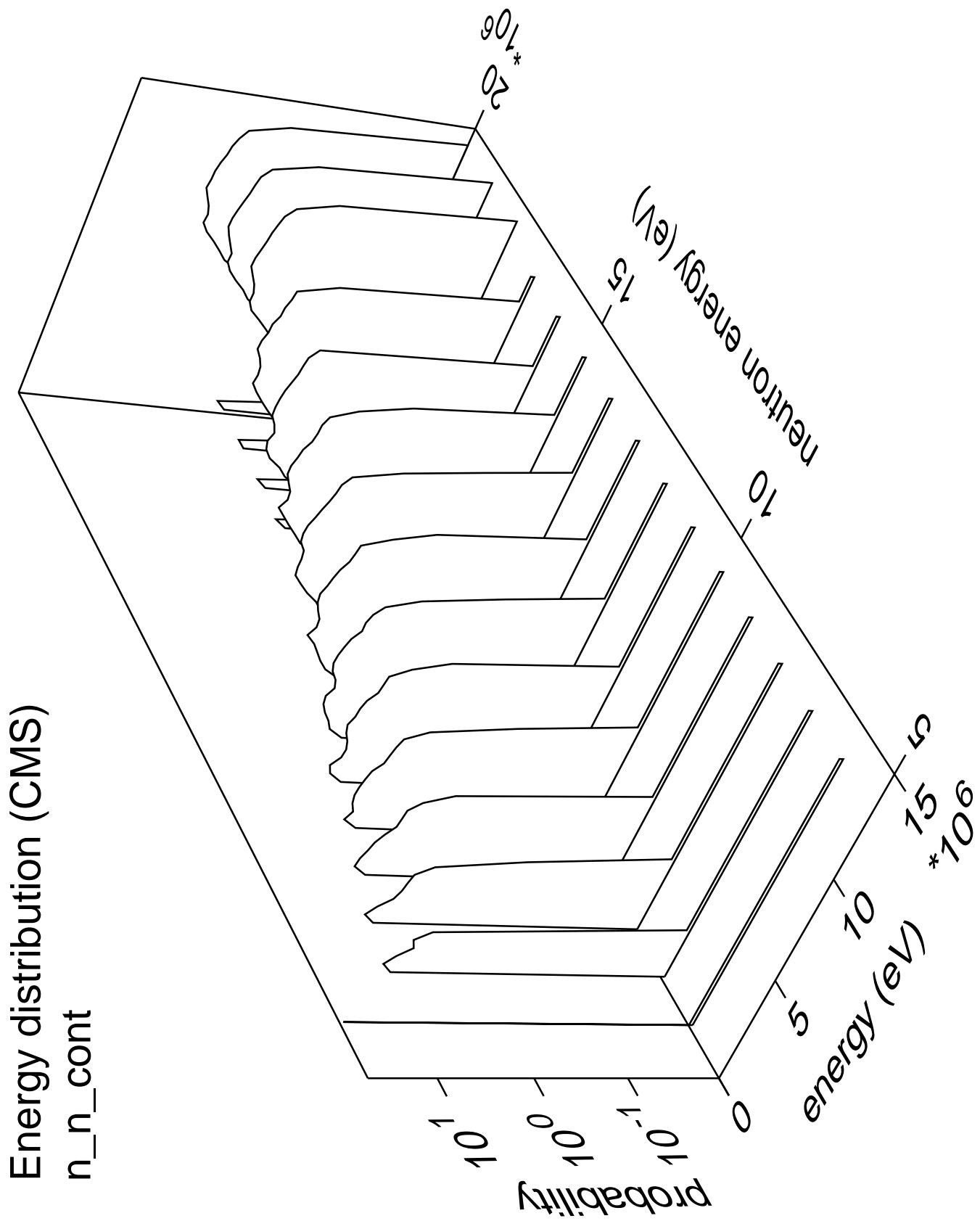




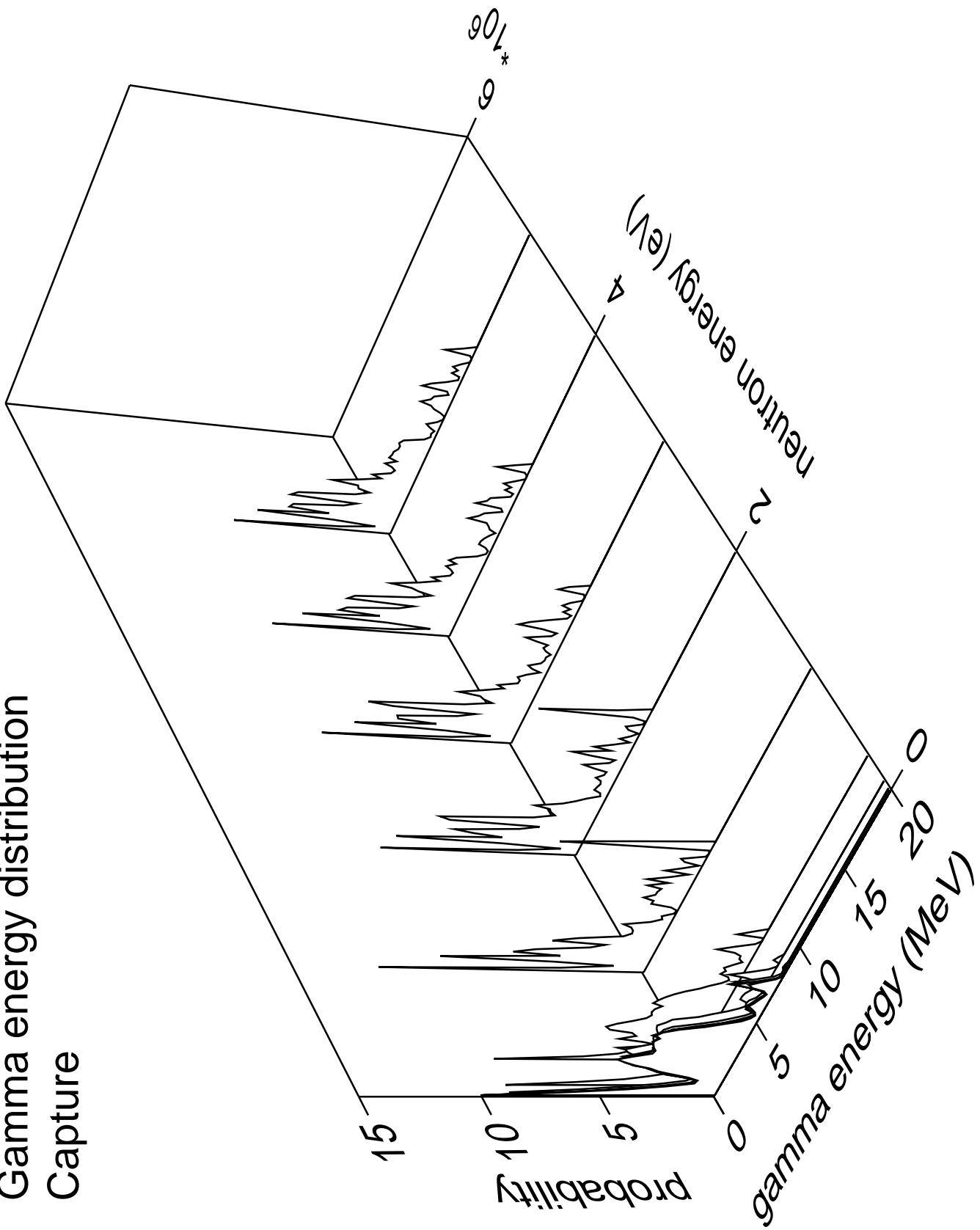


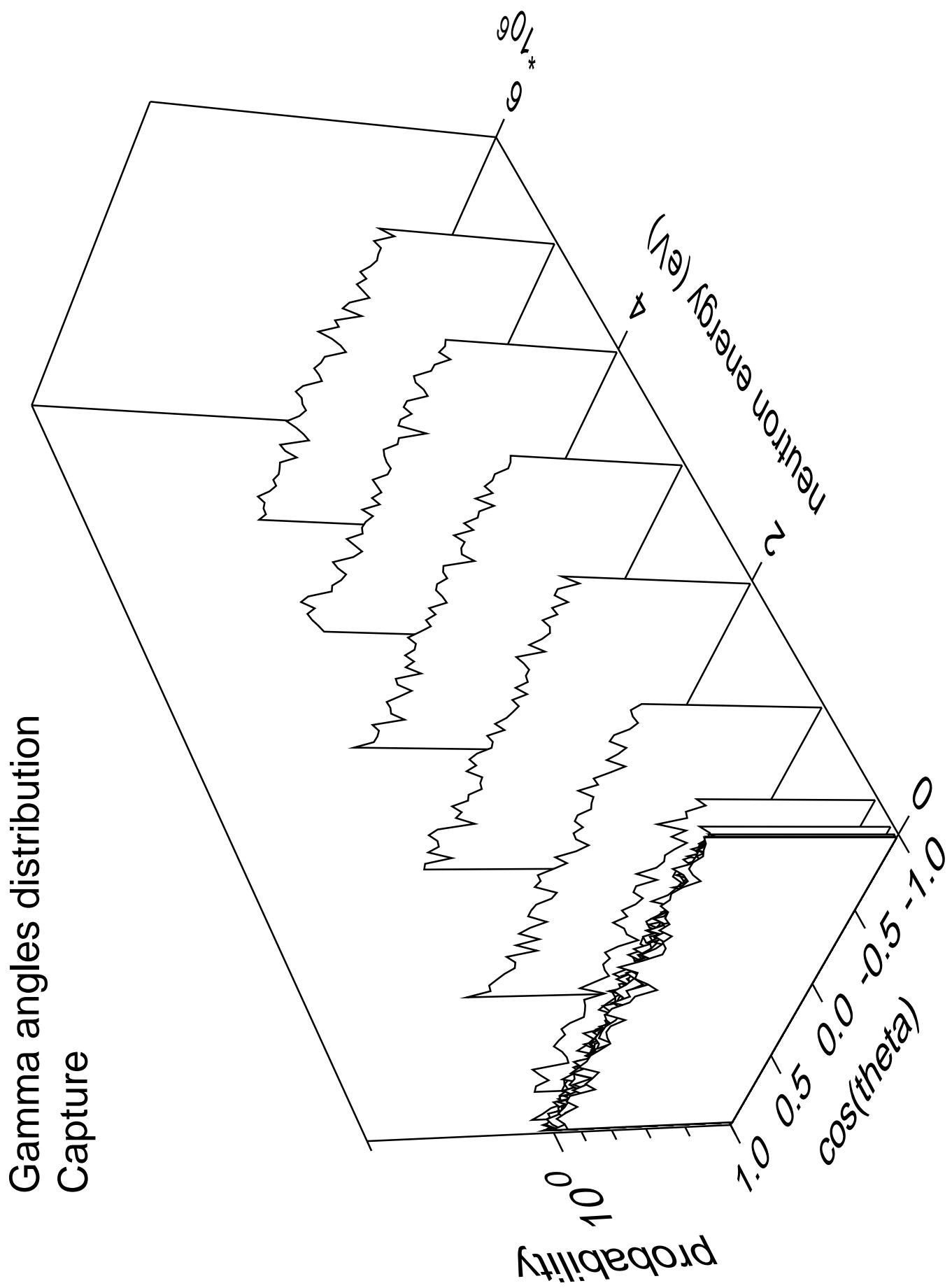




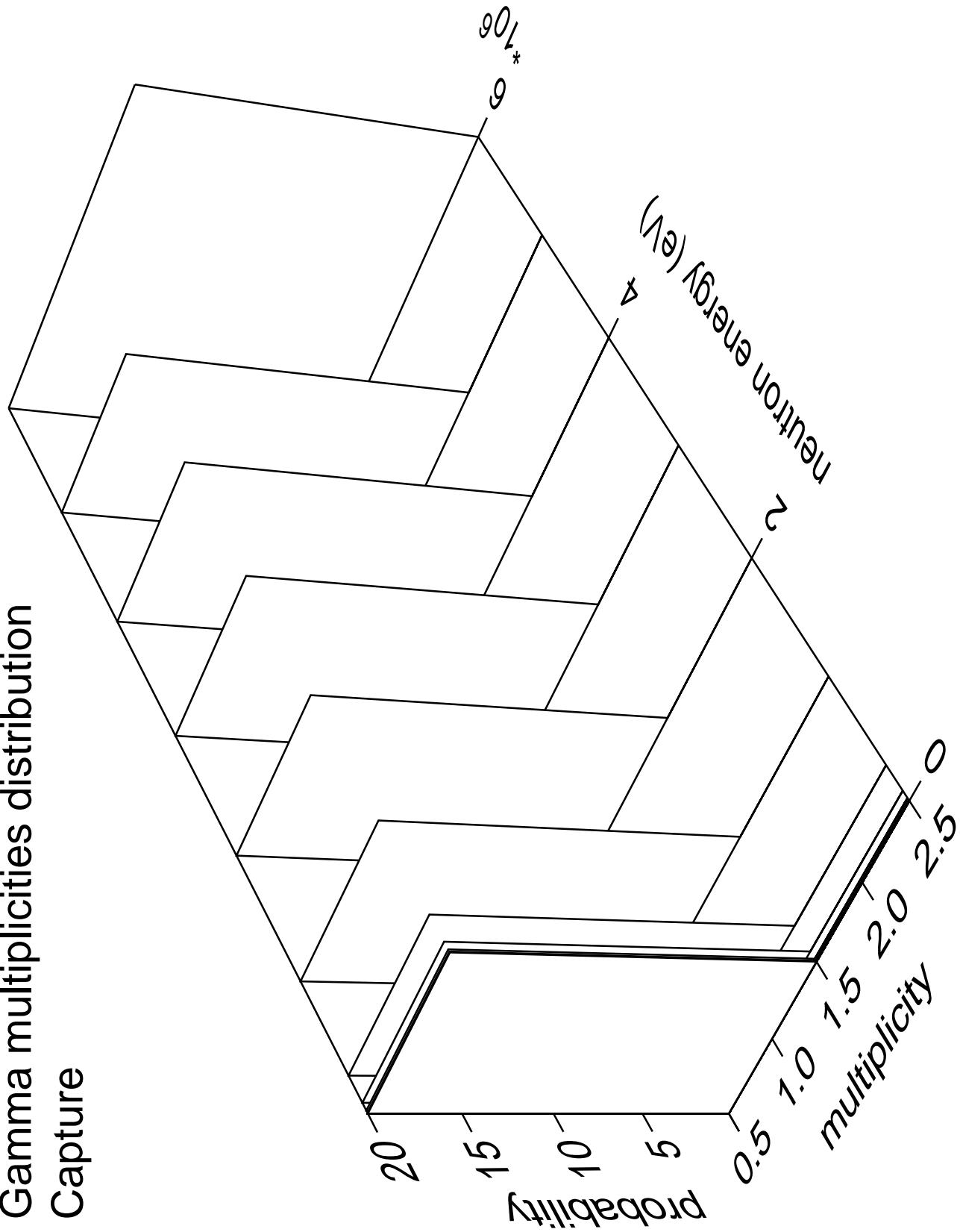


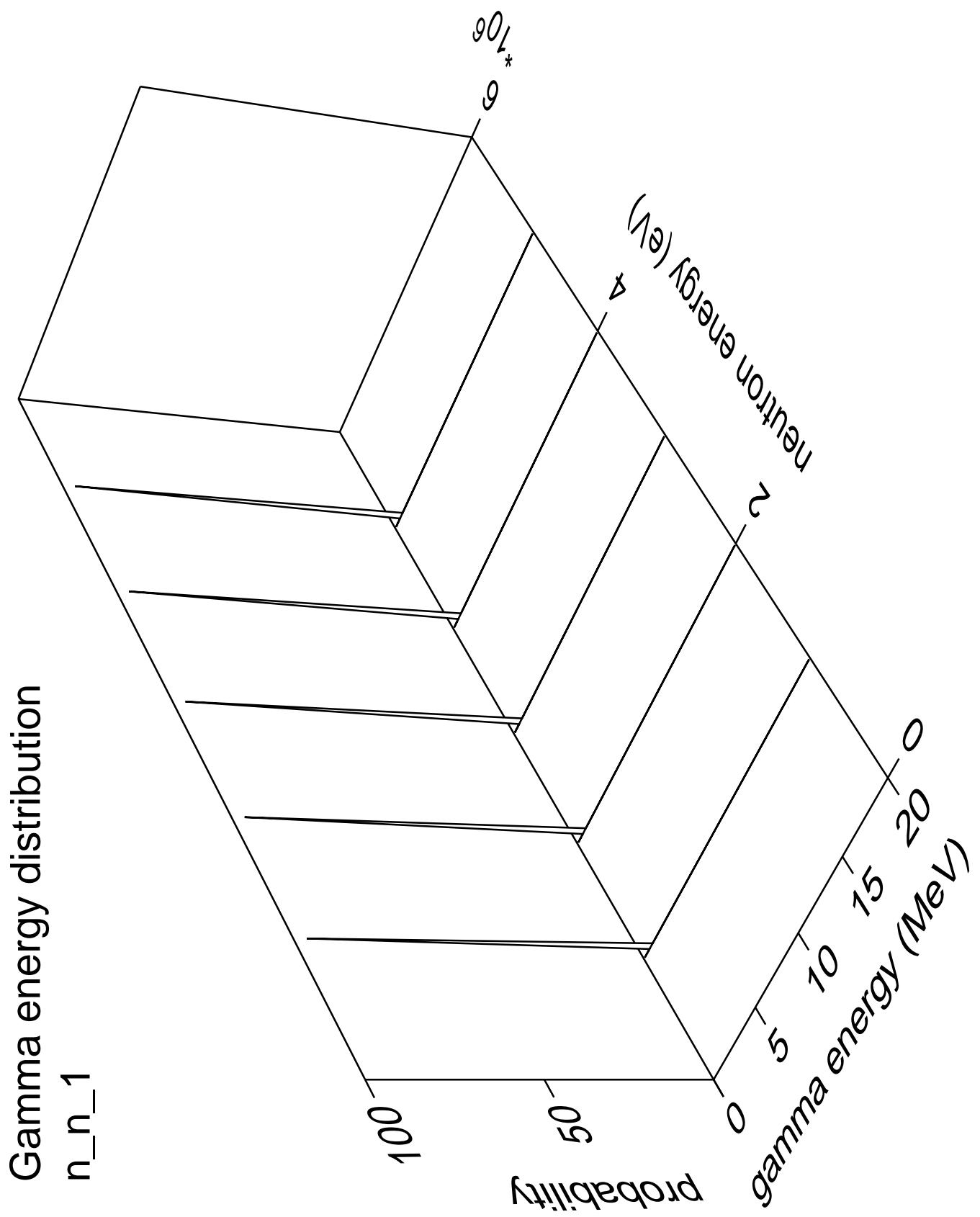
Gamma energy distribution Capture





Gamma multiplicities distribution Capture





Gamma angles distribution

n_{n_1}

Probability

10^0

10^6

6

4

2

0

neutron energy (eV)

cos(theta)

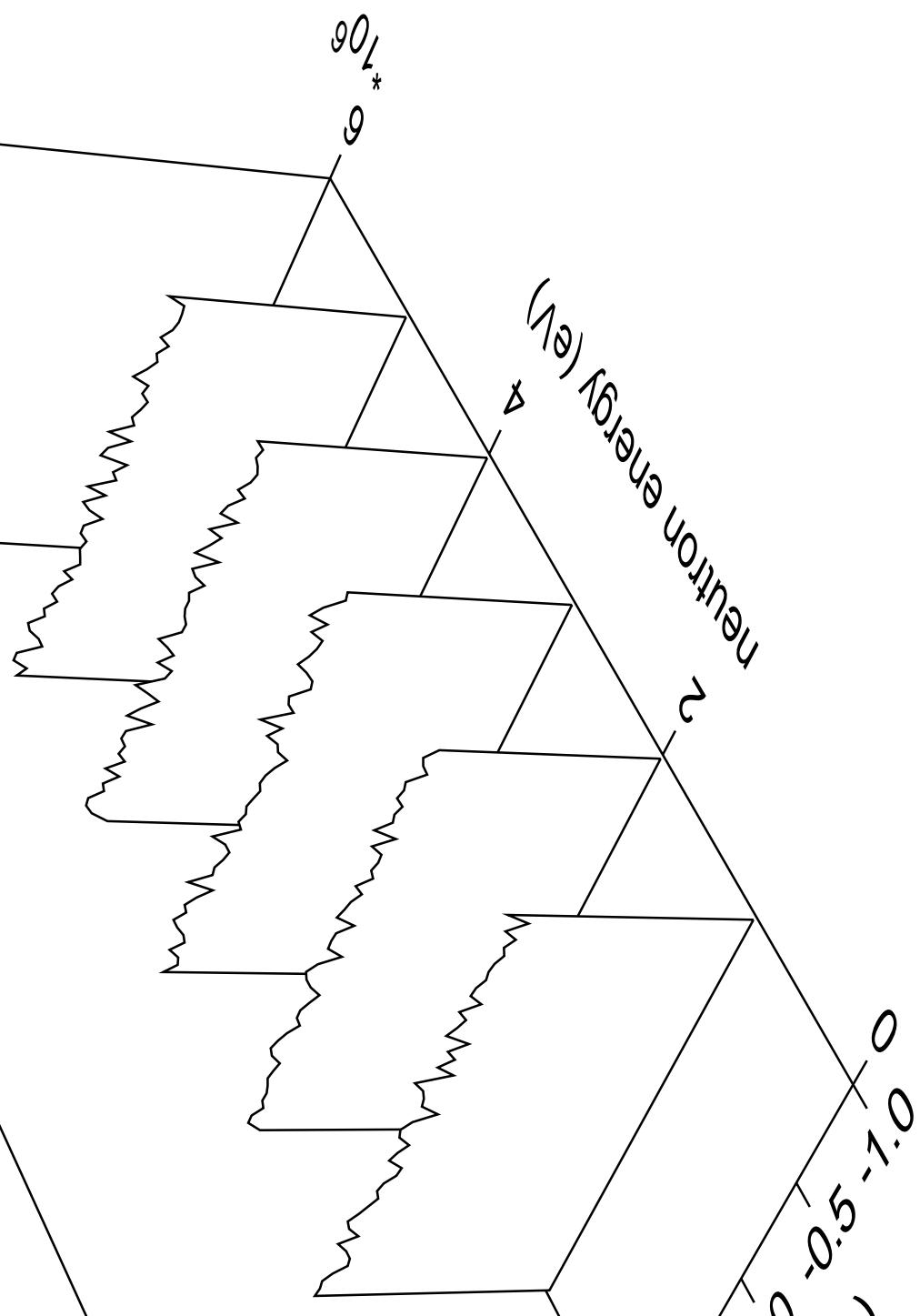
1.0

0.5

0.0

-0.5

-1.0



Gamma multiplicities distribution

n_n_1

Probability

0.5 1.0 1.5 2.0 2.5

multiplicity

0 0.5 1.0 1.5 2.0 2.5

Neutron energy (eV)

$\times 10^6$

0

6

12

18

24

30

36

42

48

54

60

66

72

78

84

90

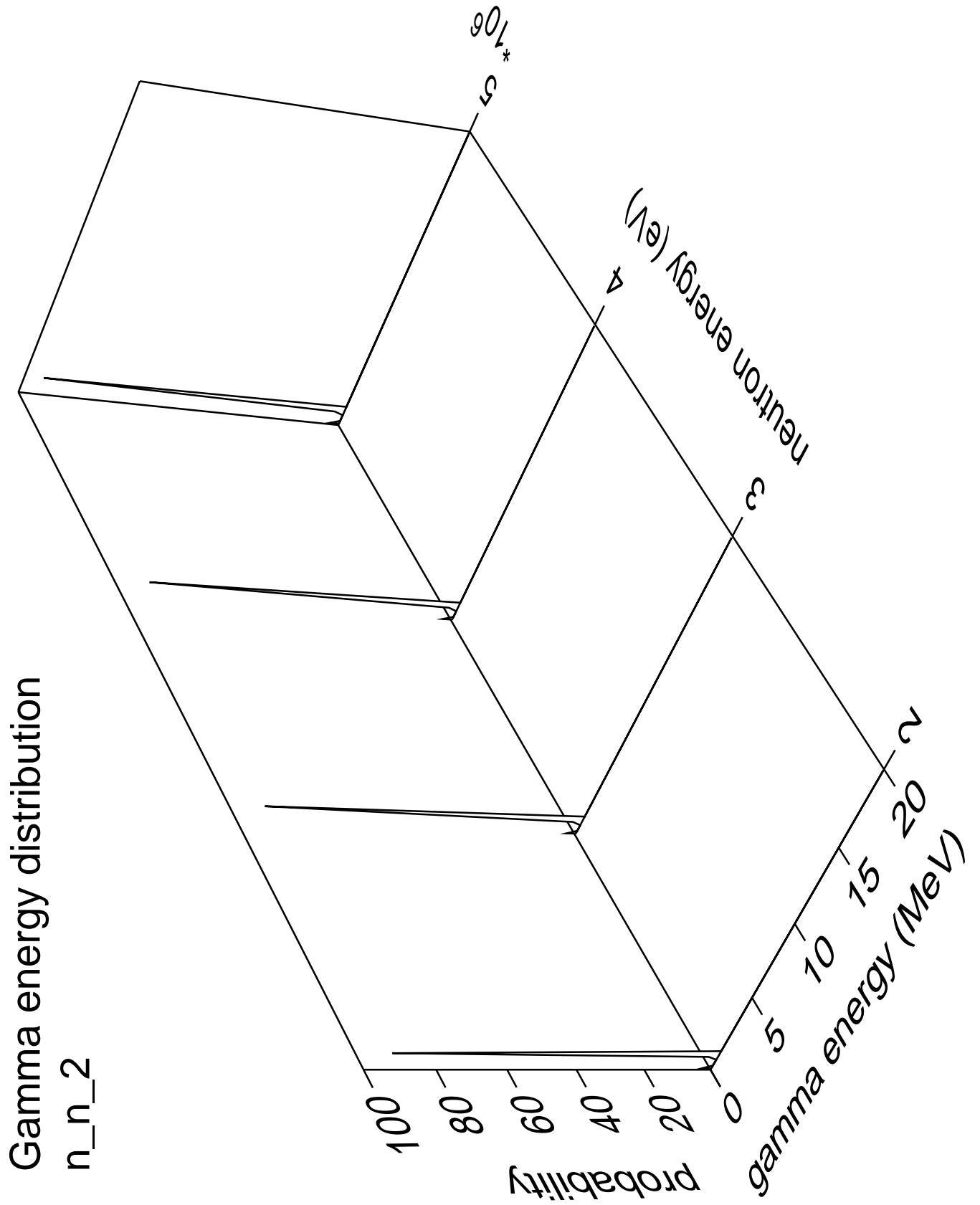
96

102

108

114

120



Gamma angles distribution

n_{n_2}

Probability

10^0

10^6

5

3

2

1

0

$\cos(\theta)$

1.0

0.5

0.0

-0.5

-1.0

neutron energy (eV)

10^3

10^4

10^5

10^6

10^7

10^8

10^9

10^{10}

10^{11}

10^{12}

10^{13}

10^{14}

10^{15}

10^{16}

10^{17}

10^{18}

10^{19}

10^{20}

10^{21}

10^{22}

10^{23}

10^{24}

10^{25}

10^{26}

10^{27}

10^{28}

10^{29}

10^{30}

10^{31}

10^{32}

10^{33}

10^{34}

10^{35}

10^{36}

10^{37}

10^{38}

10^{39}

10^{40}

10^{41}

10^{42}

10^{43}

10^{44}

Gamma multiplicities distribution

n_{n_2}

Probability

15

10

5

0

2 4 6 8 10 ~
multiplicity

Neutron energy (eV)

c

$\times 10^6$

c

Gamma energy distribution

n_n_3

100

80

60

40

20

5

Probability

gamma energy (MeV)

0 5 10 15 20

Neutron energy (eV)

10⁶

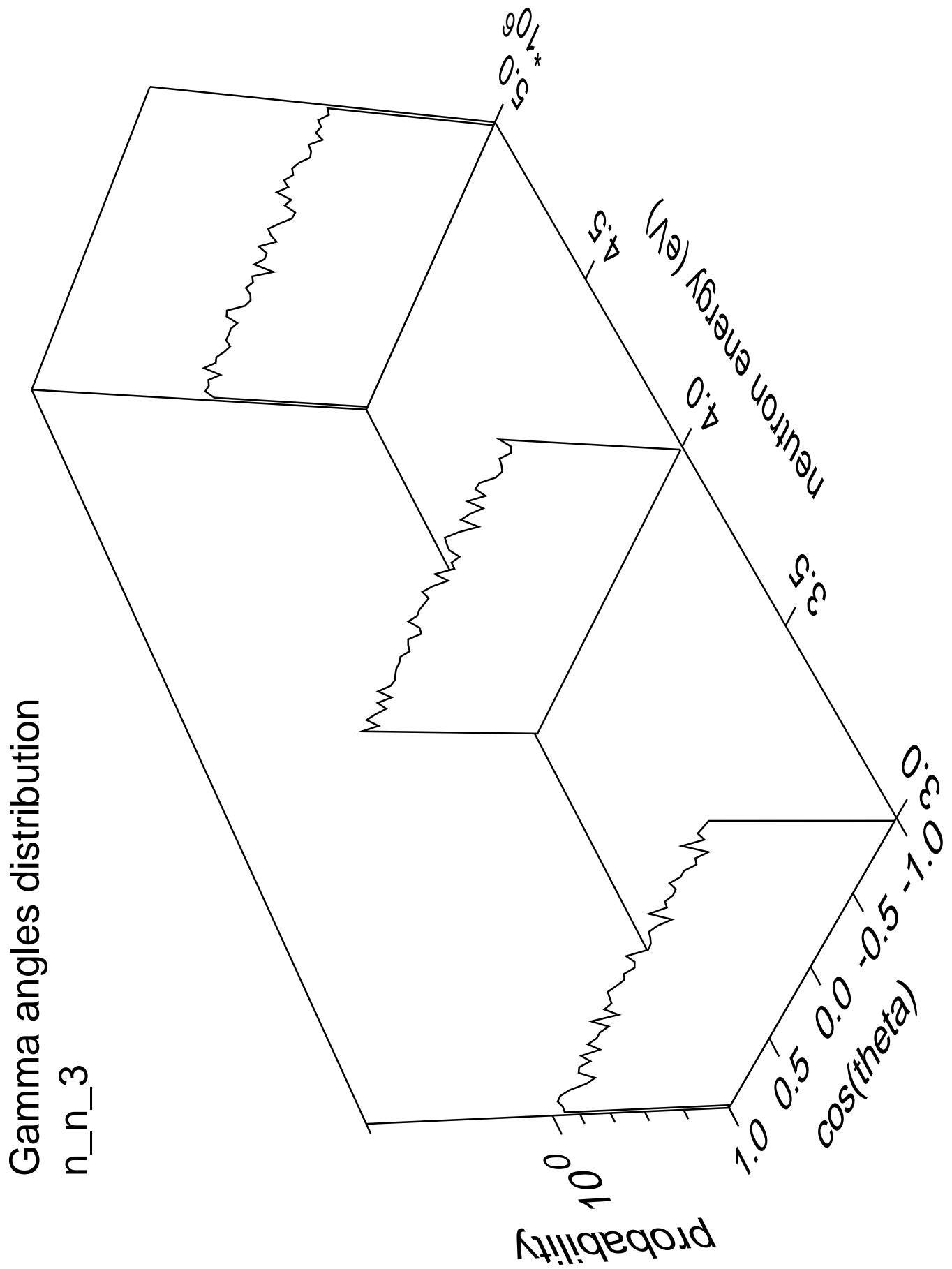
10⁵

10⁴

10³

10²

10¹



Gamma multiplicities distribution

n_n_3

15

10

5

0

Probability

multiplicity

10⁻⁶

8

6

4

2

0

2

4

6

8

10

12

14

16

Neutron energy (eV)

10⁻⁶

5.0

2.5

1.0

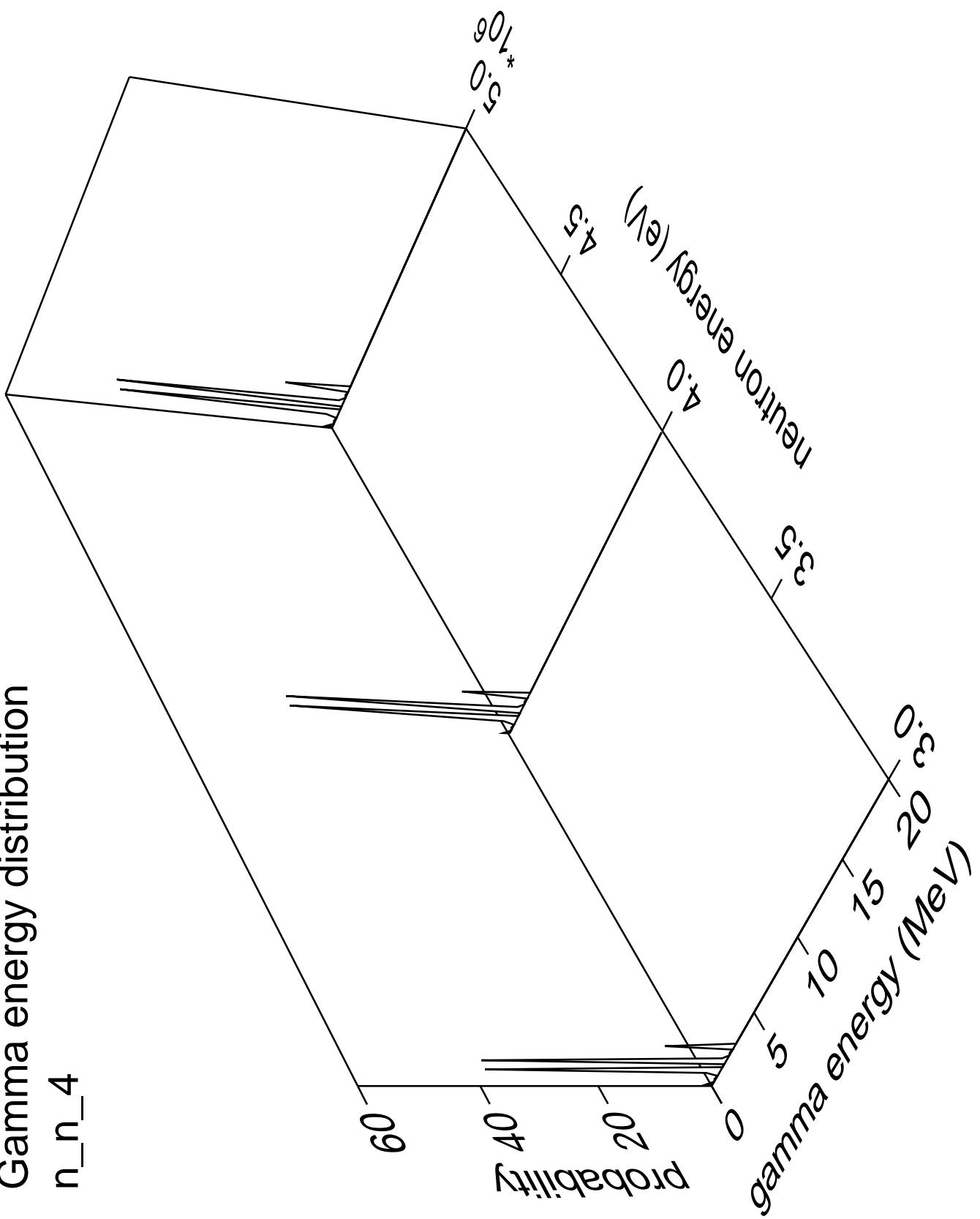
0.4

0.2

0.1

0.05

Gamma energy distribution n_n_4



Gamma angles distribution

n_n_4

Probability

10^0

$\cos(\theta)$

1.0

0.5

0.0

-0.5

-1.0

$\sin\theta$

1.0

0.5

0.0

-0.5

-1.0

-1.5

-2.0

-2.5

-3.0

-3.5

-4.0

-4.5

-5.0

-5.5

-6.0

-6.5

-7.0

-7.5

-8.0

-8.5

-9.0

-9.5

-10.0

-10.5

-11.0

-11.5

-12.0

-12.5

-13.0

-13.5

-14.0

-14.5

-15.0

-15.5

-16.0

-16.5

-17.0

-17.5

-18.0

-18.5

-19.0

-19.5

-20.0

-20.5

-21.0

-21.5

-22.0

-22.5

-23.0

-23.5

-24.0

-24.5

-25.0

-25.5

-26.0

-26.5

-27.0

-27.5

-28.0

-28.5

-29.0

-29.5

-30.0

-30.5

-31.0

-31.5

-32.0

-32.5

-33.0

-33.5

-34.0

-34.5

-35.0

-35.5

-36.0

-36.5

-37.0

-37.5

-38.0

-38.5

-39.0

-39.5

-40.0

-40.5

-41.0

-41.5

-42.0

-42.5

-43.0

-43.5

-44.0

-44.5

-45.0

-45.5

-46.0

-46.5

-47.0

-47.5

-48.0

-48.5

-49.0

-49.5

-50.0

-50.5

-51.0

-51.5

-52.0

-52.5

-53.0

-53.5

-54.0

-54.5

-55.0

-55.5

-56.0

-56.5

-57.0

-57.5

-58.0

-58.5

-59.0

-59.5

-60.0

-60.5

-61.0

-61.5

-62.0

-62.5

-63.0

-63.5

-64.0

-64.5

-65.0

-65.5

-66.0

-66.5

-67.0

-67.5

-68.0

-68.5

-69.0

-69.5

-70.0

-70.5

-71.0

-71.5

-72.0

-72.5

-73.0

-73.5

-74.0

-74.5

-75.0

-75.5

-76.0

-76.5

-77.0

-77.5

-78.0

-78.5

-79.0

-79.5

-80.0

-80.5

-81.0

-81.5

-82.0

-82.5

-83.0

-83.5

-84.0

-84.5

-85.0

-85.5

-86.0

-86.5

-87.0

-87.5

-88.0

-88.5

-89.0

-89.5

-90.0

-90.5

-91.0

-91.5

-92.0

-92.5

-93.0

-93.5

-94.0

-94.5

-95.0

-95.5

-96.0

-96.5

-97.0

-97.5

-98.0

-98.5

-99.0

-99.5

-100.0

-100.5

-101.0

-101.5

-102.0

-102.5

-103.0

-103.5

-104.0

-104.5

-105.0

-105.5

-106.0

-106.5

-107.0

-107.5

-108.0

-108.5

-109.0

-109.5

-110.0

-110.5

-111.0

-111.5

-112.0

-112.5

-113.0

-113.5

-114.0

-114.5

-115.0

-115.5

-116.0

-116.5

-117.0

-117.5

-118.0

-118.5

-119.0

-119.5

-120.0

-120.5

-121.0

-121.5

-122.0

-122.5

-123.0

-123.5

-124.0

-124.5

-125.0

-125.5

-126.0

-126.5

-127.0

-127.5

-128.0

-128.5

-129.0

-129.5

-130.0

-130.5

-131.0

-131.5

-132.0

-132.5

-133.0

-133.5

-134.0

-134.5

-135.0

-135.5

-136.0

-136.5

-137.0

-137.5

-138.0

-138.5

-139.0

-139.5

-140.0

-140.5

-141.0

-141.5

-142.0

-142.5

-143.0

-143.5

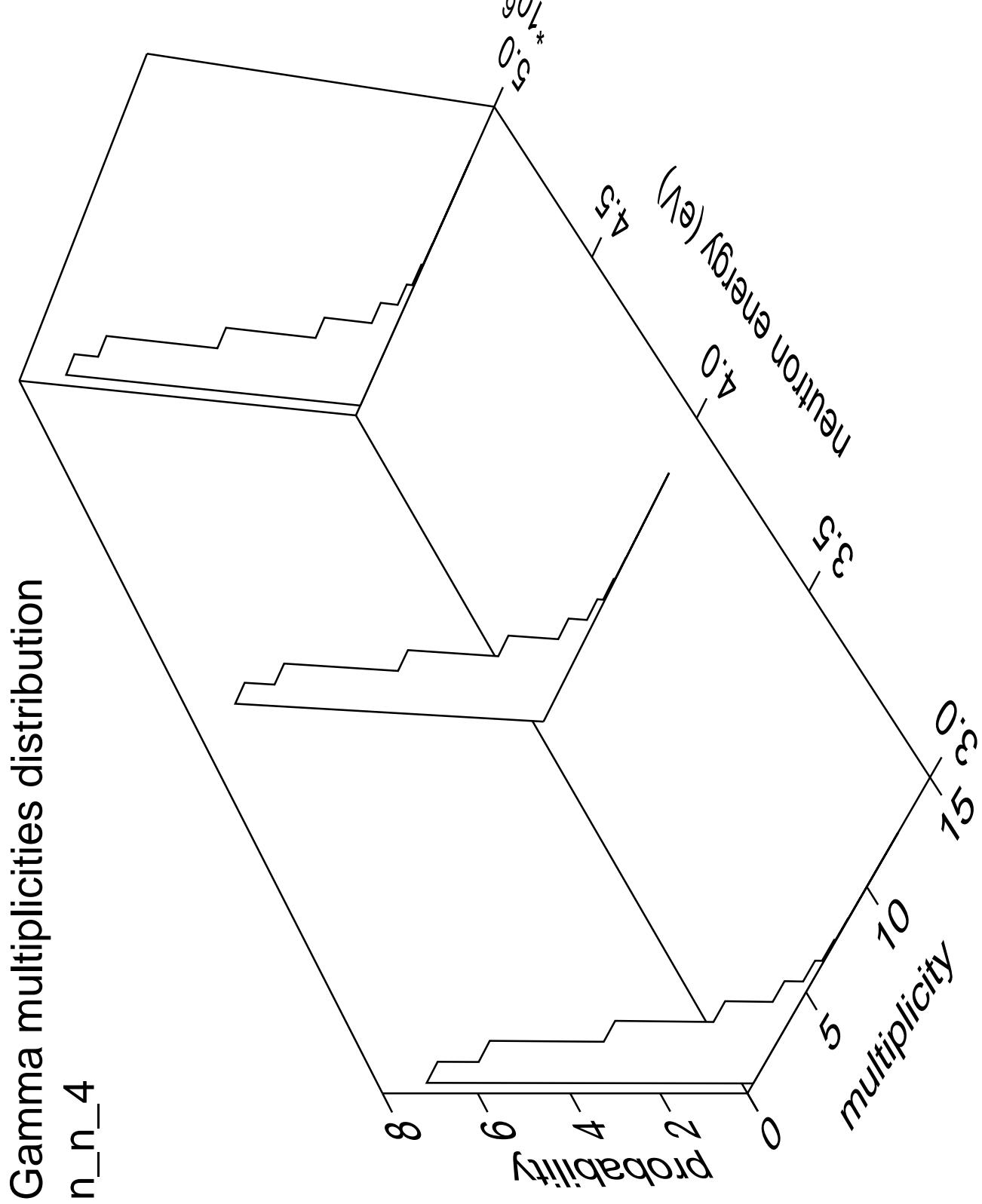
-144.0

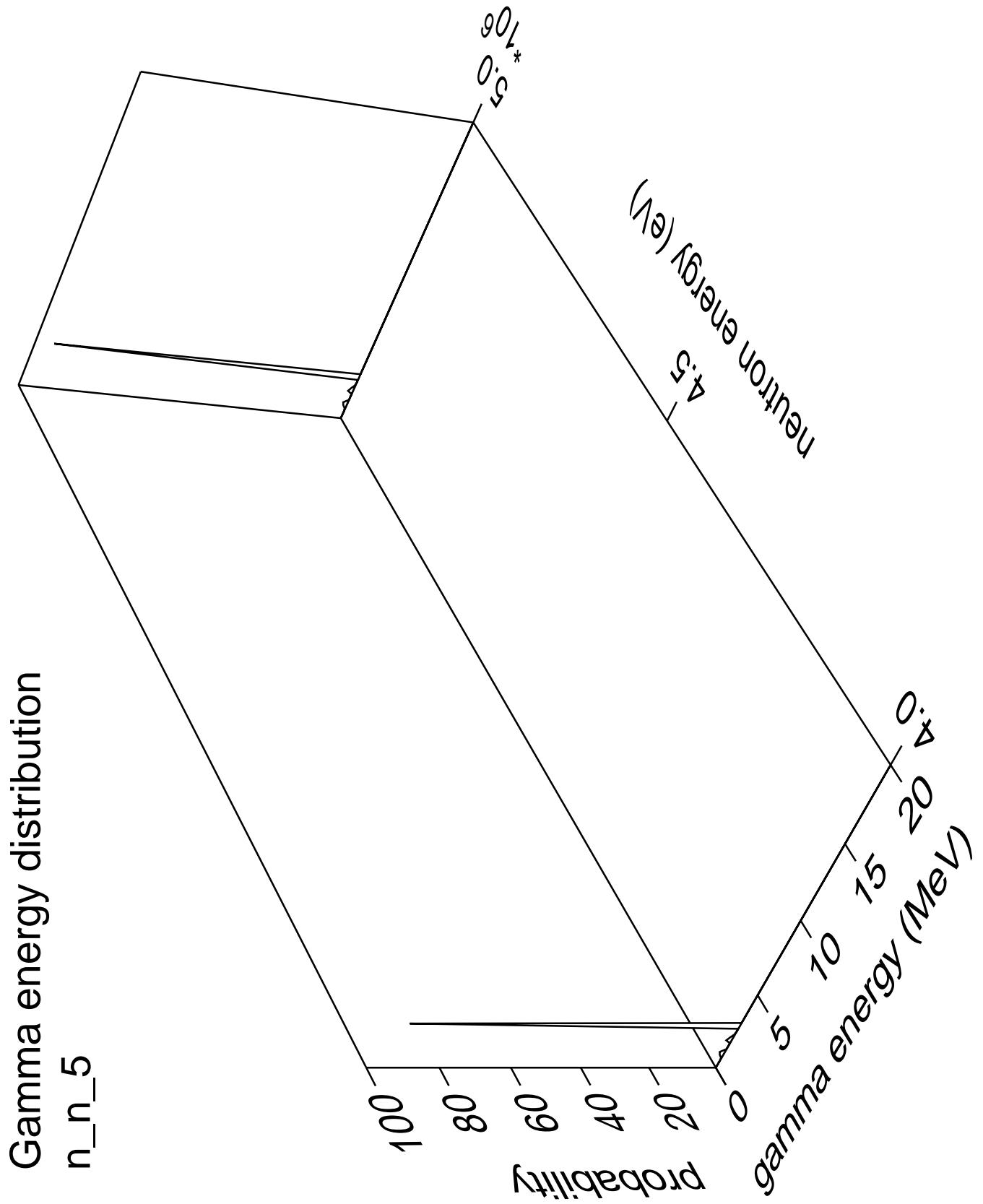
-144.5

-145.0

-145.5

-146.0





Gamma angles distribution

n_n_5

Probability

10^0

$\cos(\theta)$

1.0

0.5

0.0

-0.5

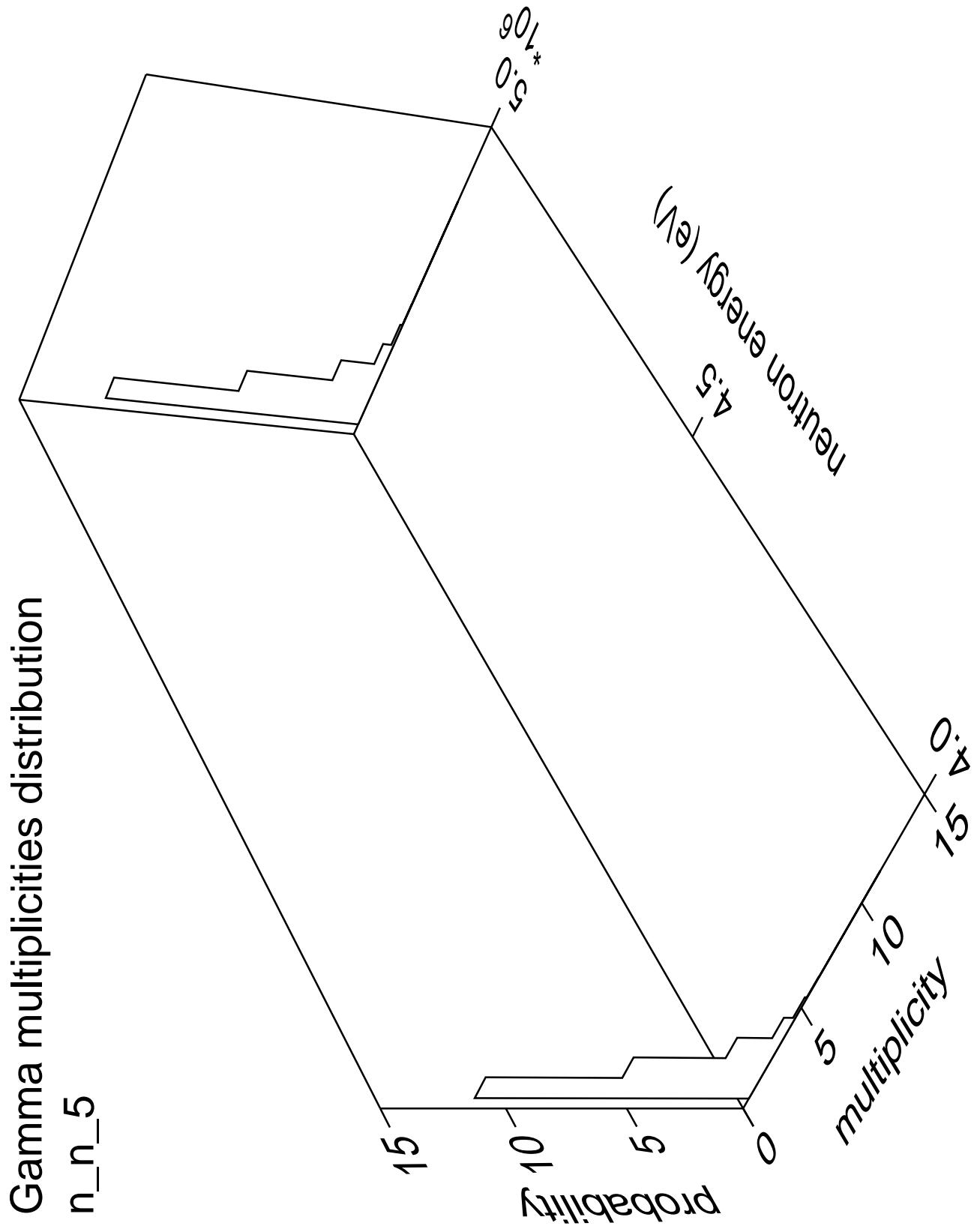
-1.0

Neutron energy (eV)

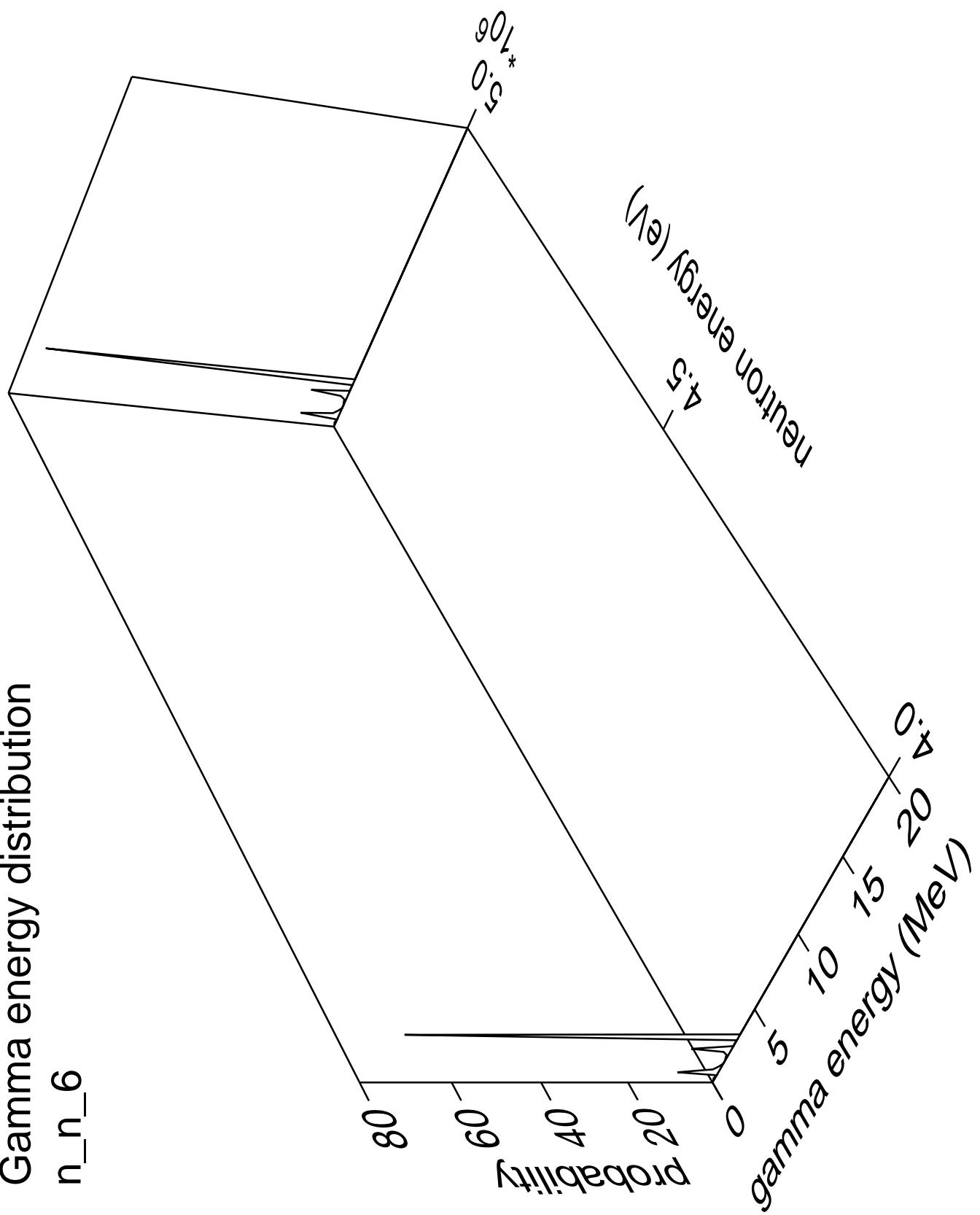
10^0
0.5
0.0



10^0
0.5
0.0



Gamma energy distribution



Gamma angles distribution

n_n_6

Probability

10^0

$\cos(\theta)$

1.0

0.5

0.0

-0.5

-1.0

Neutron energy (eV)

4.5

4.0

3.5

3.0

2.5

2.0

1.5

1.0

0.5

0.0

-0.5

-1.0

10^0

5.0

0.0

Gamma multiplicities distribution

n_n_6

15

10

5

0

Probability

8
6
4
2
0

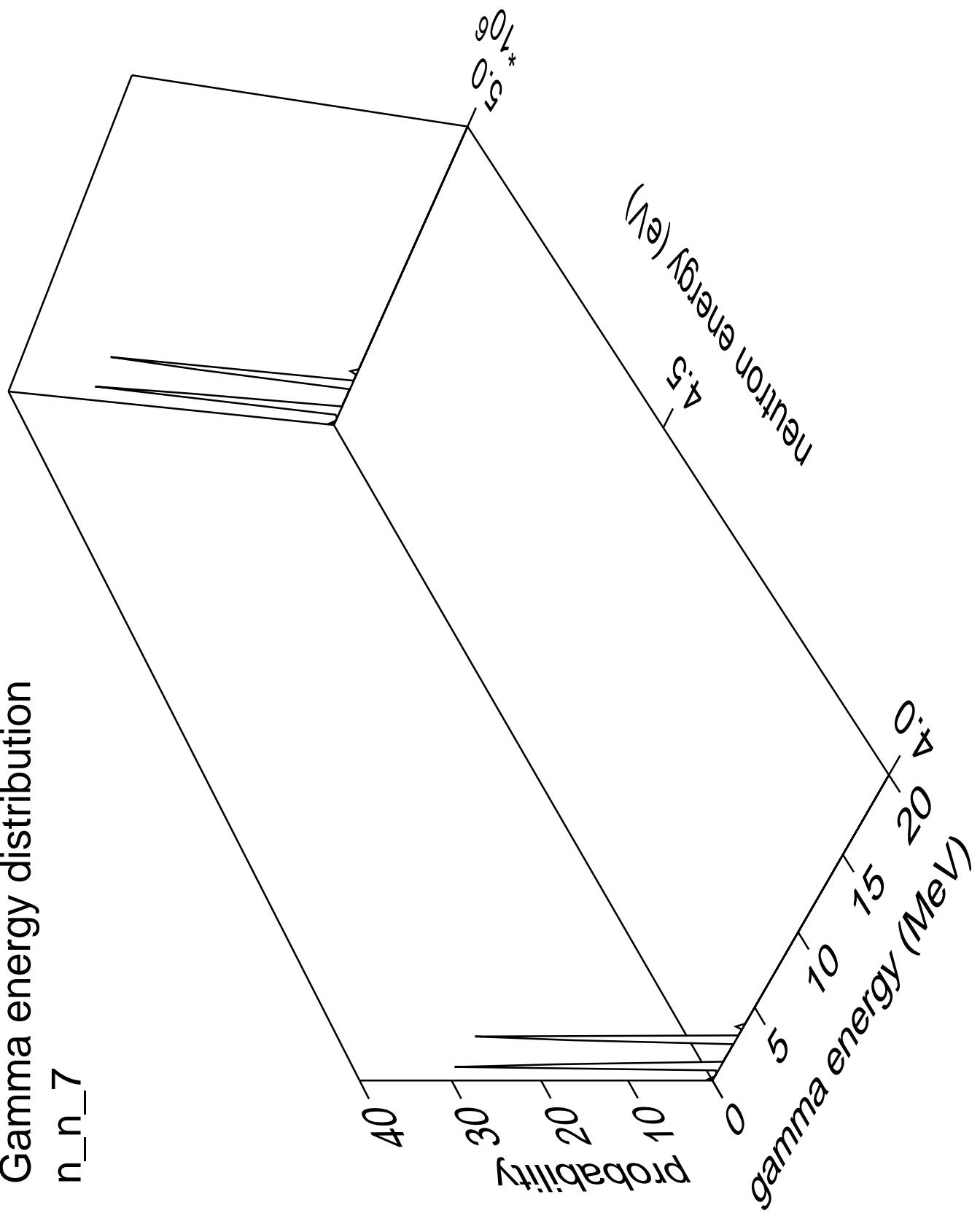
10⁻⁶
8⁻⁶
6⁻⁶
4⁻⁶
2⁻⁶
0

multiplicity

Neutron energy (eV)

10⁻⁶
8⁻⁶
6⁻⁶
4⁻⁶
2⁻⁶
0

Gamma energy distribution



Gamma angles distribution

n_n_7

Probability

10^0

$\cos(\theta)$

1.0

0.5

0.0

-0.5

-1.0

Neutron energy (eV)

4.5

5.0

5.5

6.0

6.5

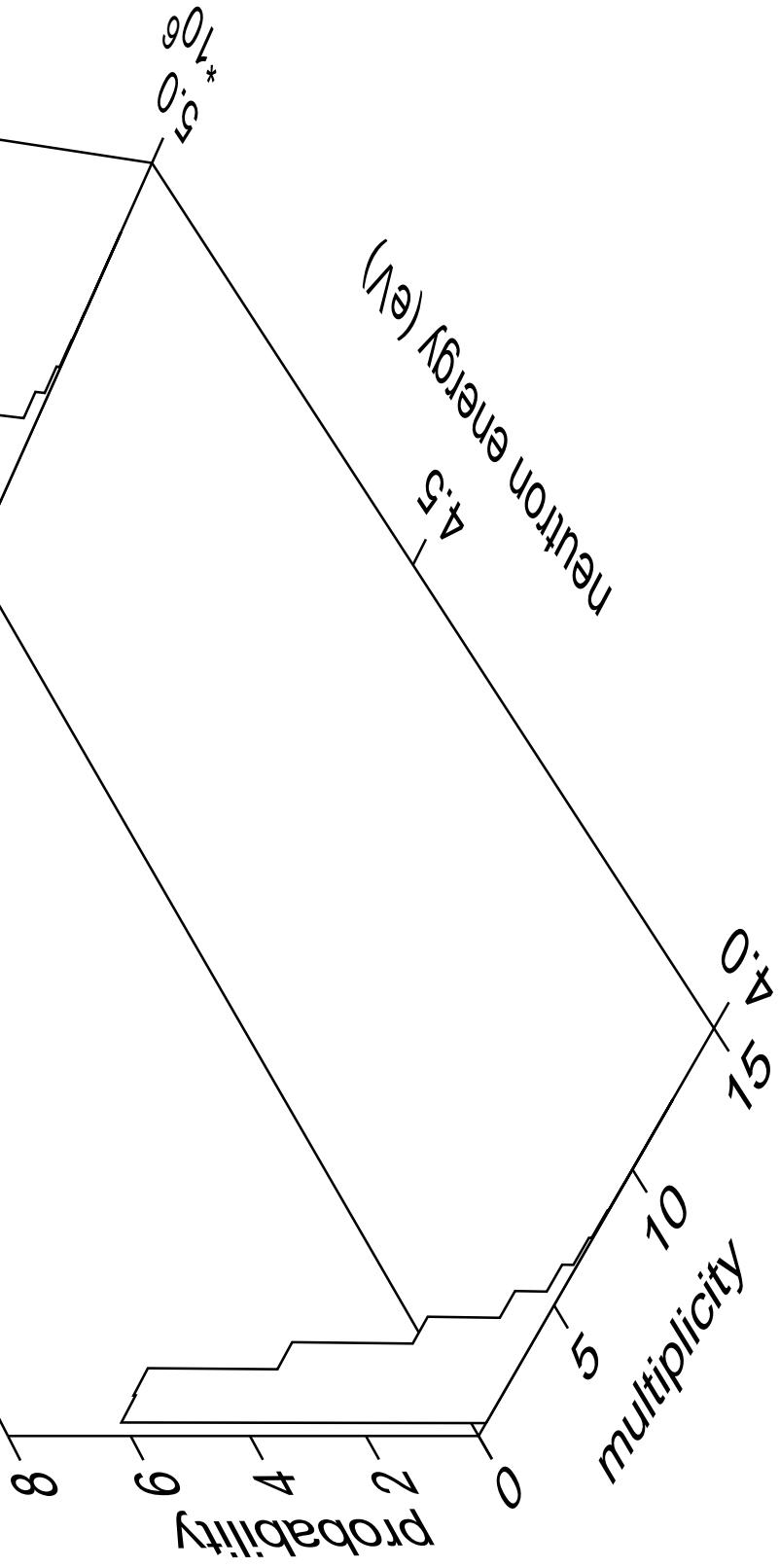
7.0

7.5

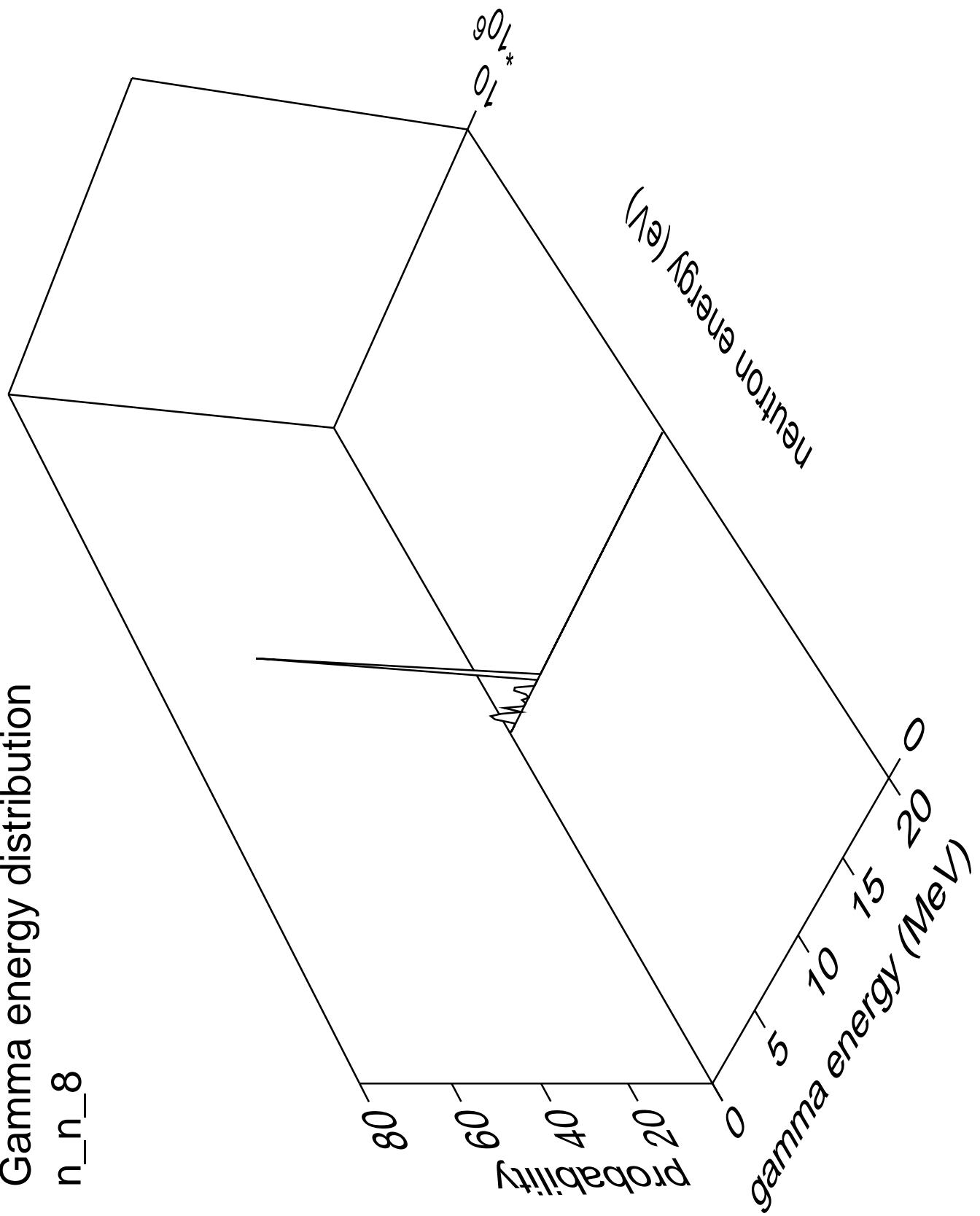
8.0

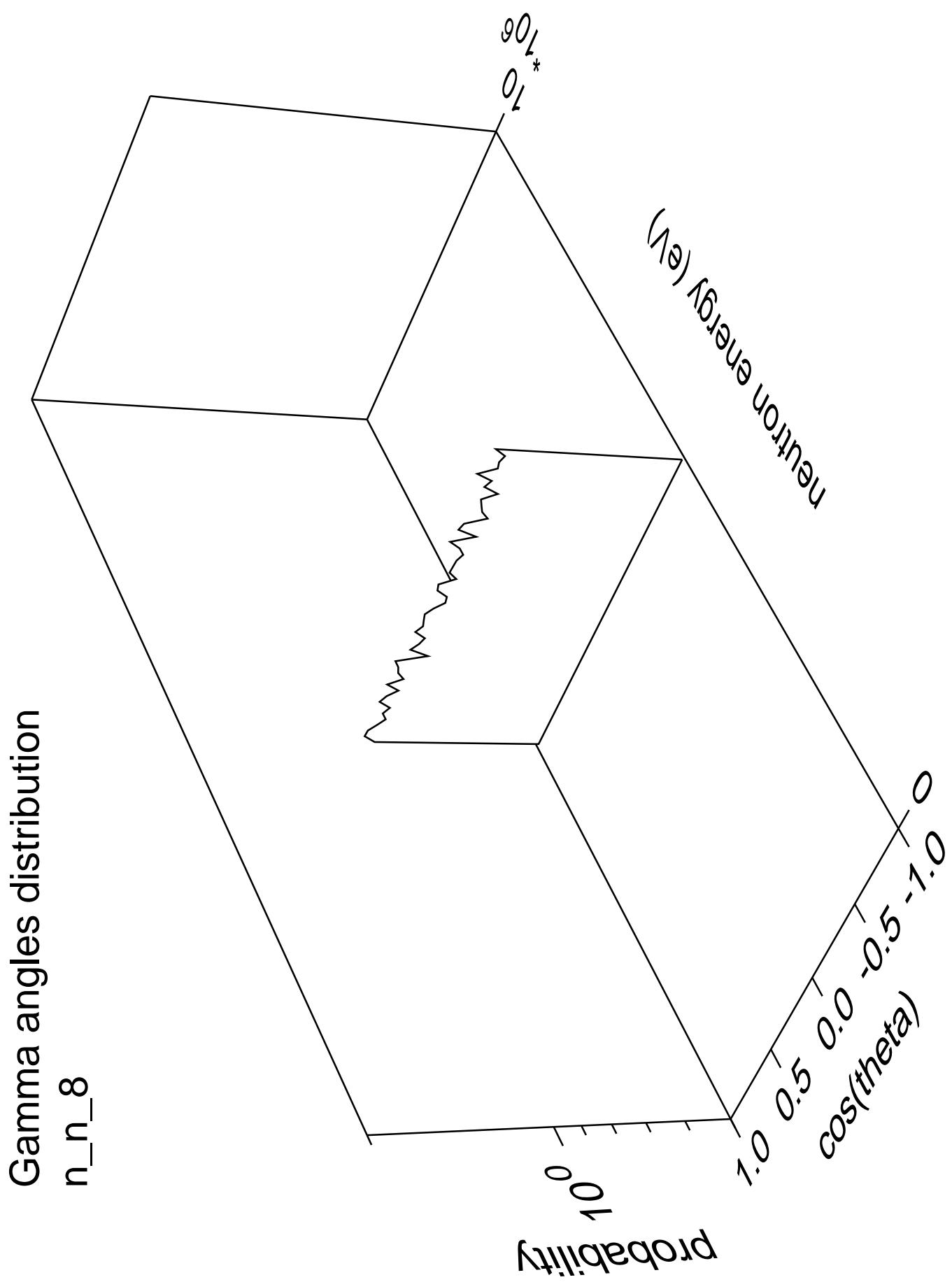
Gamma multiplicities distribution

n_n_7



Gamma energy distribution n_n_8





Gamma multiplicities distribution

n_n_8

15

10

5

0

Probability

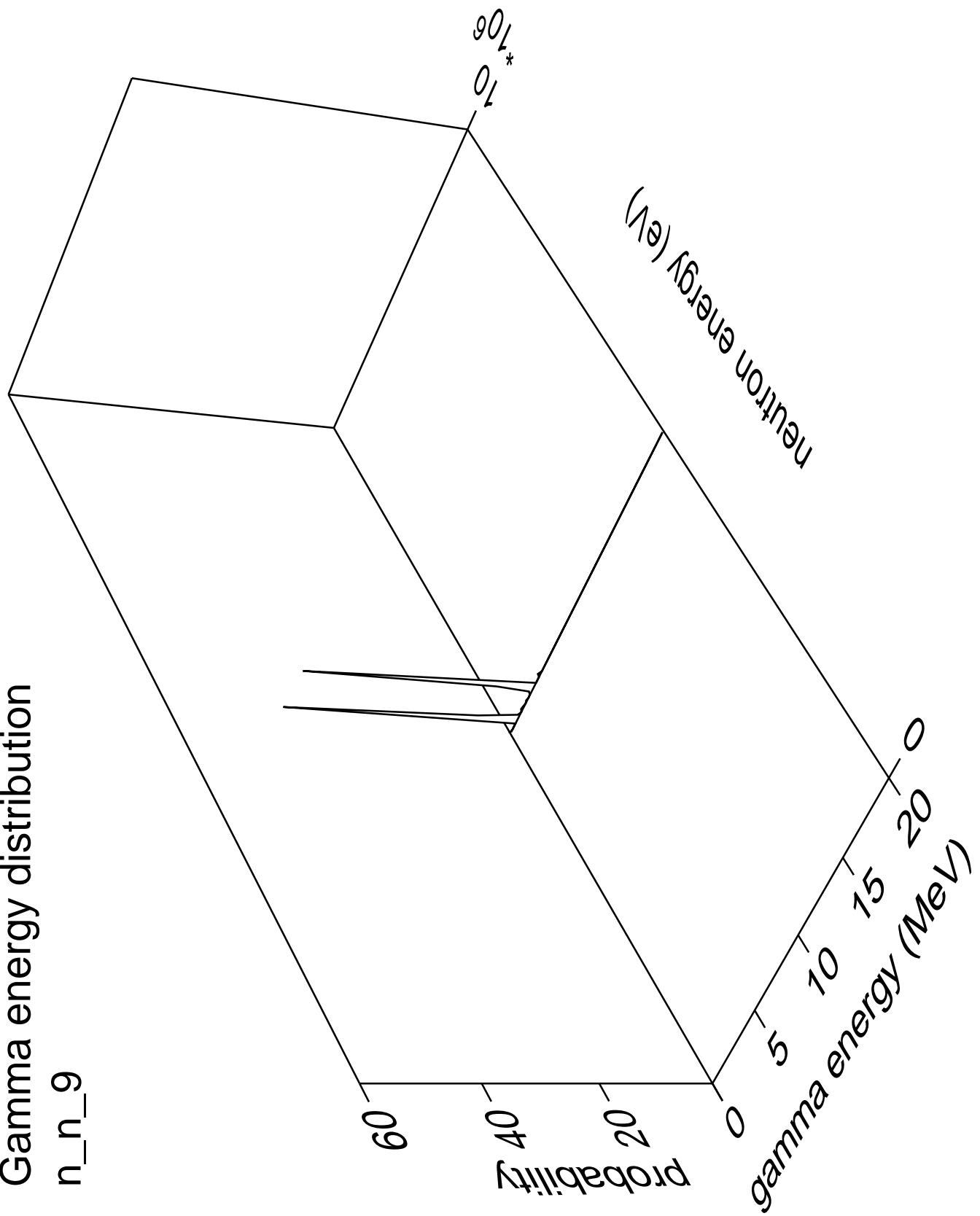
0 2 4 6 8 10
multiplicity

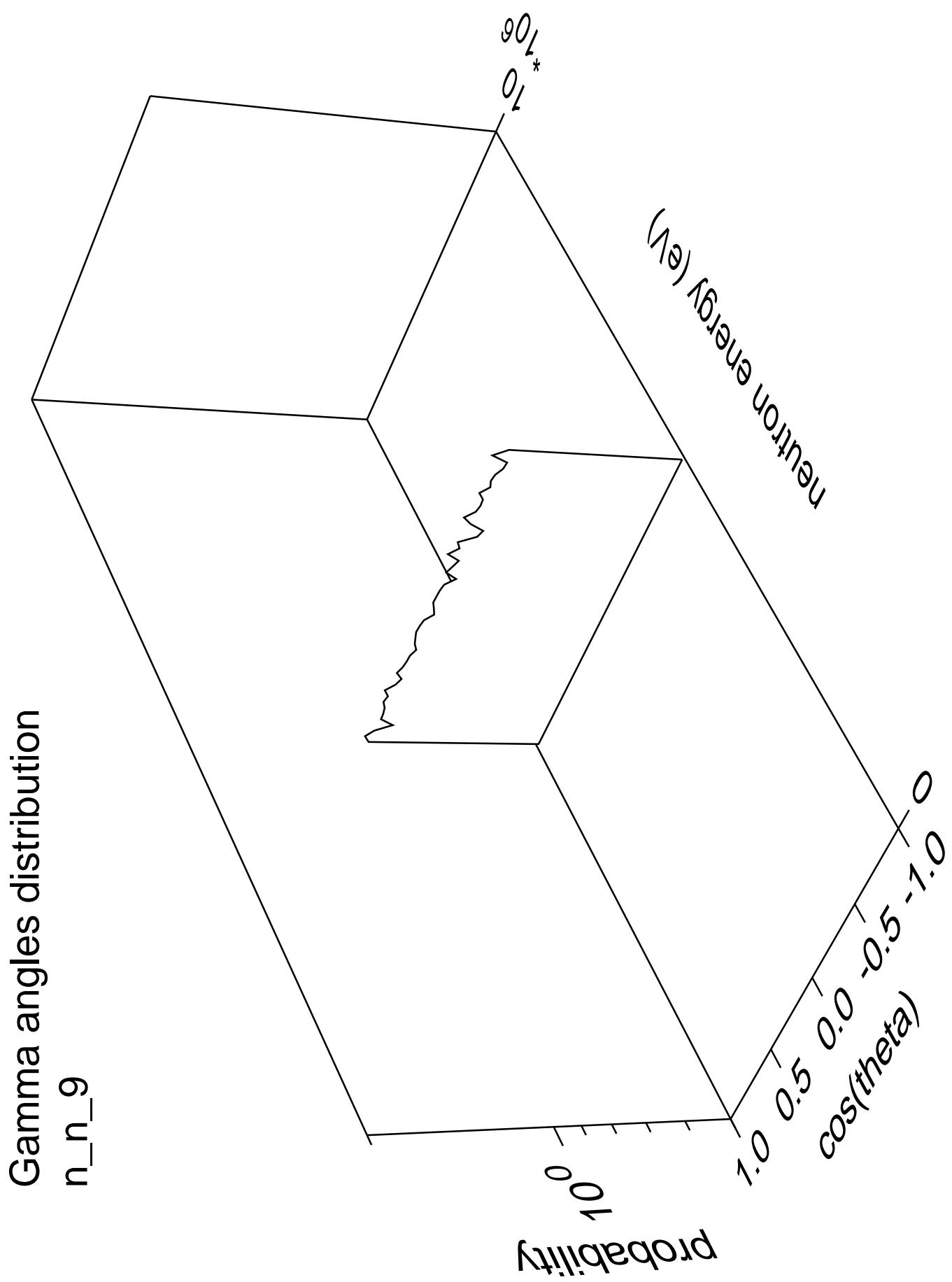
10^{*10⁶}

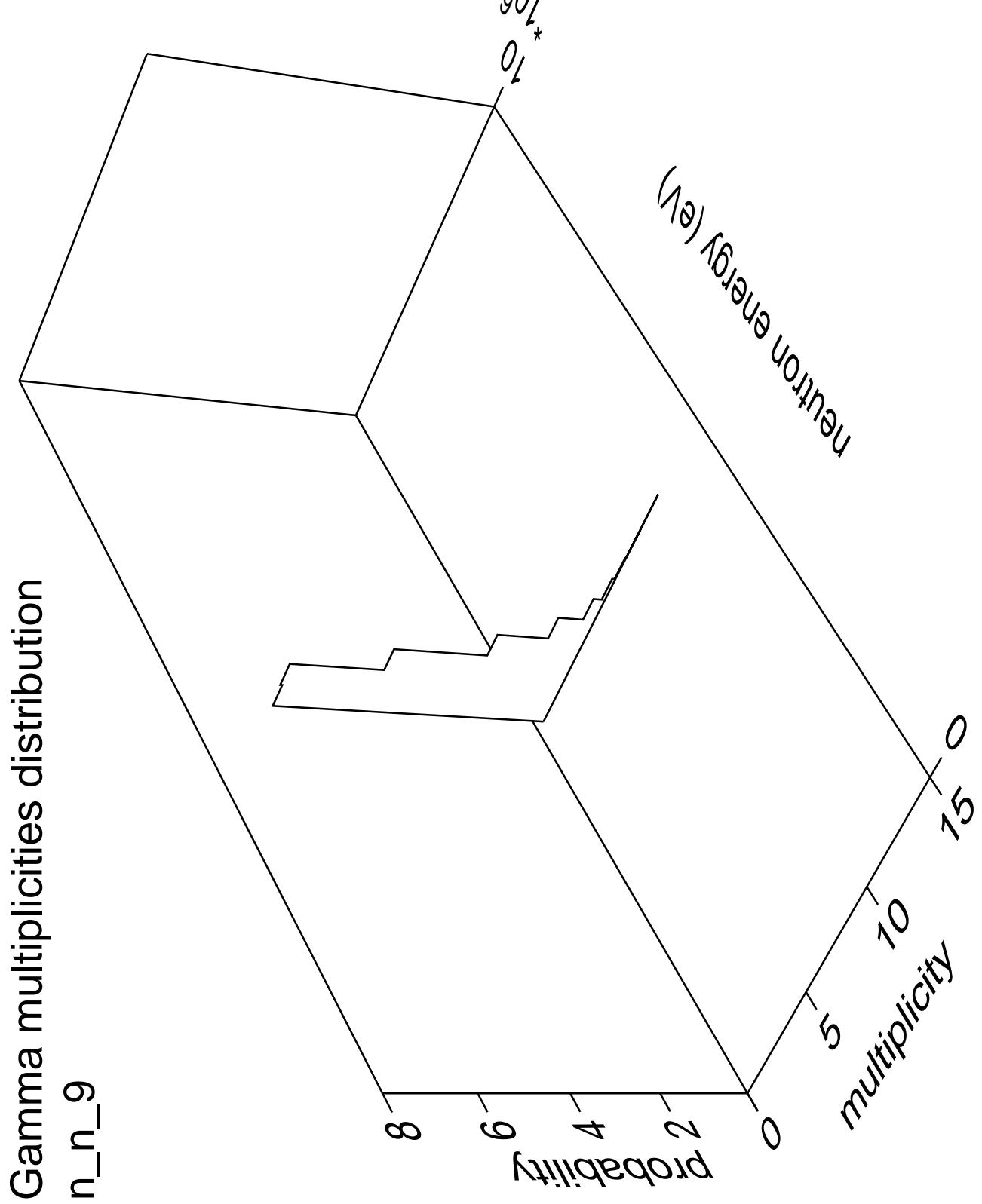
*

Neutron energy (eV)

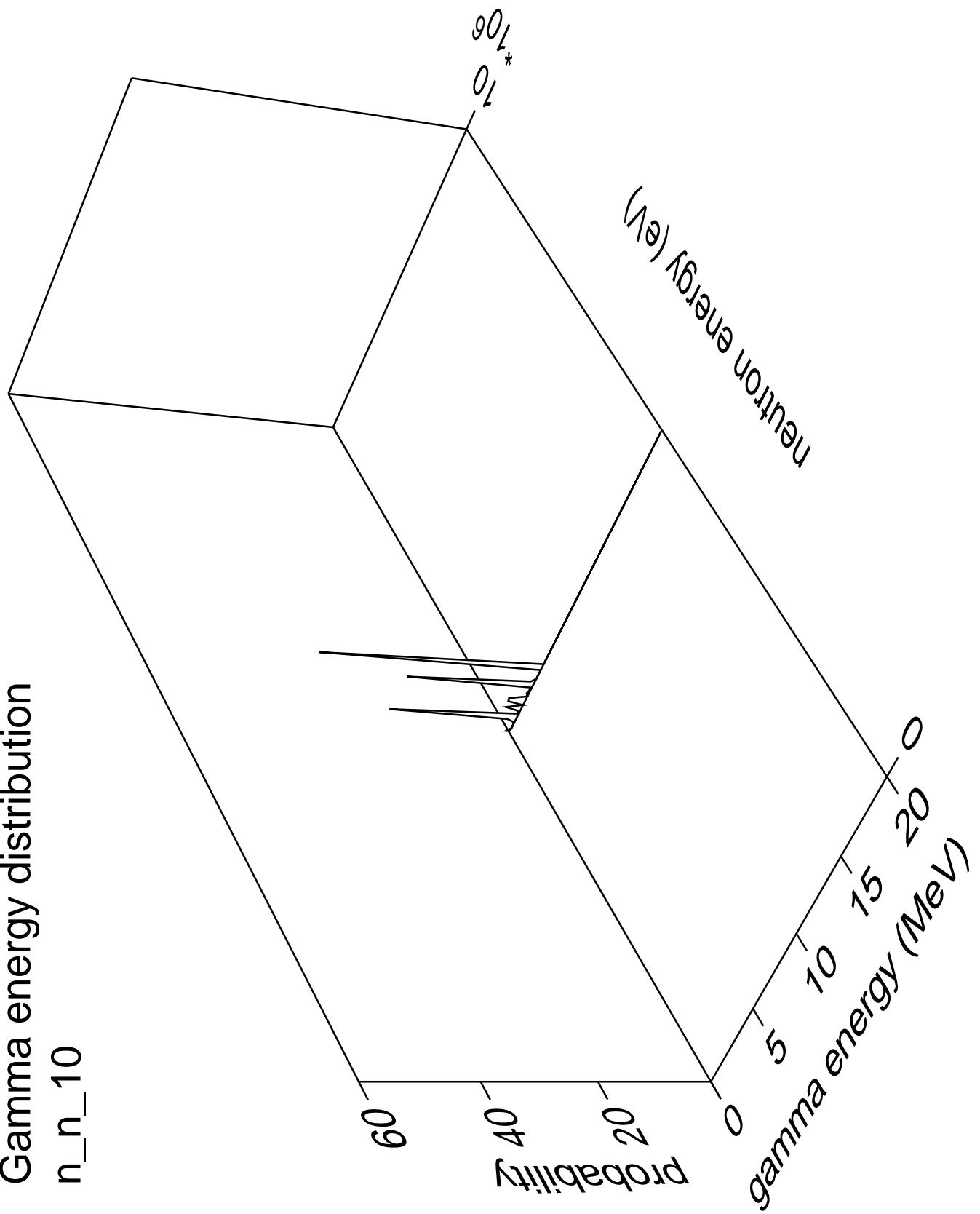
Gamma energy distribution n_n_9







Gamma energy distribution
n_n_10



Gamma angles distribution

n_n_10

Probability

10^0

10^1

10^0

10^1

10^0

1.0

0.5

0.0

-0.5

-1.0

$\cos(\theta)$

neutron energy (eV)

Gamma multiplicities distribution

n_n_10

probability

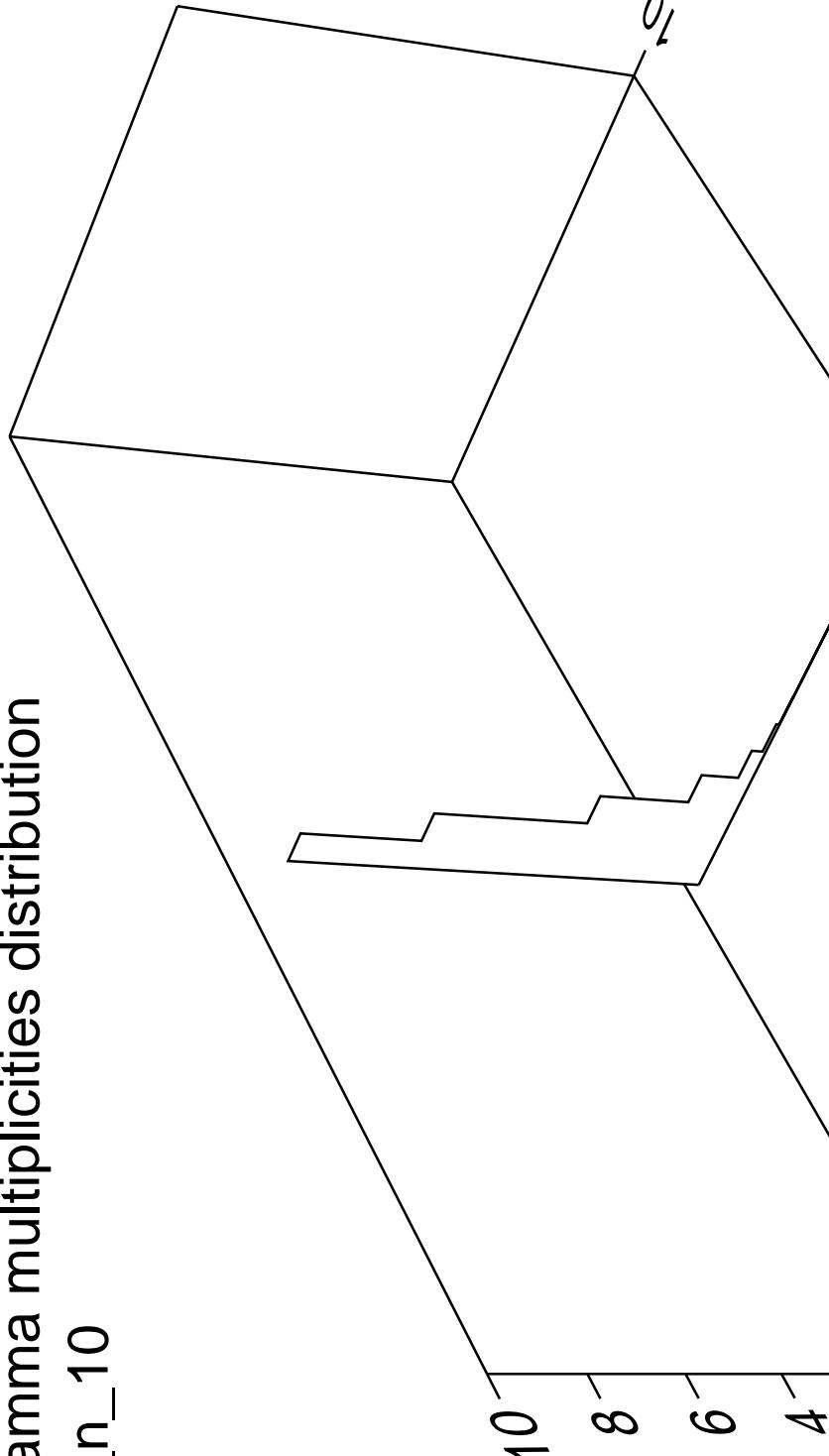
multiplicity

0 5 10 15

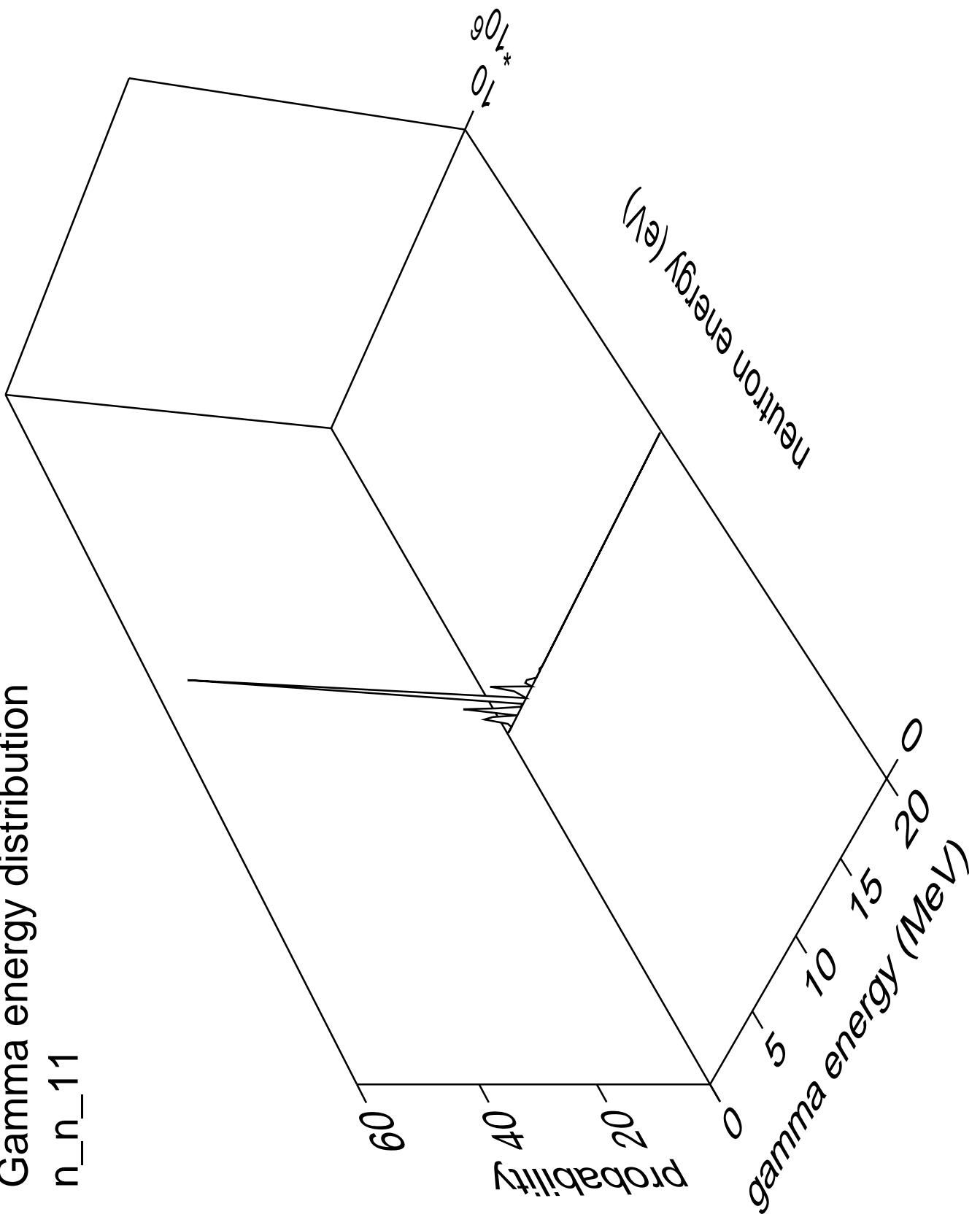
Neutron energy (eV)

10^{*10⁶}

10 8 6 4 2 0



Gamma energy distribution n_n_{11}



Gamma angles distribution

n_{n_11}

Probability

10^0

Neutron energy (eV)

$cos(\theta)$

1.0

0.5

0.0

-0.5

-1.0

10^0

10^1

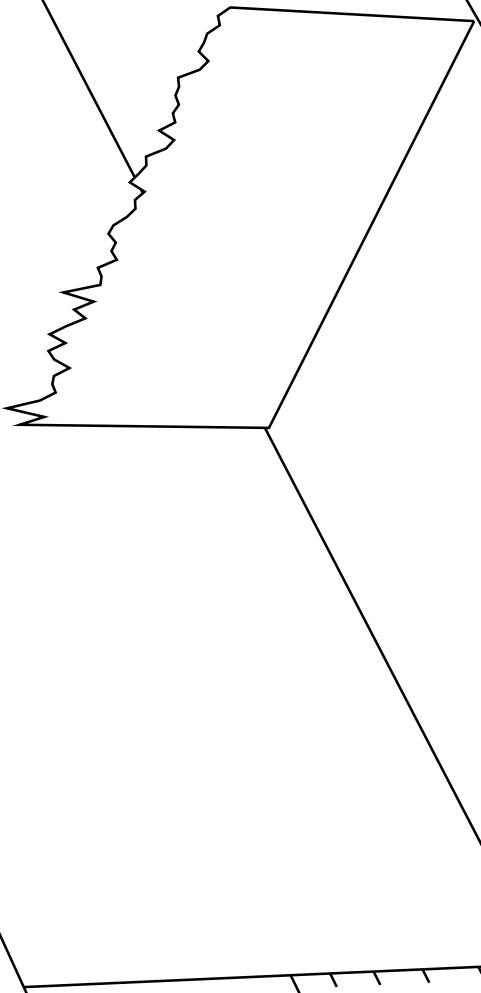
10^2

10^3

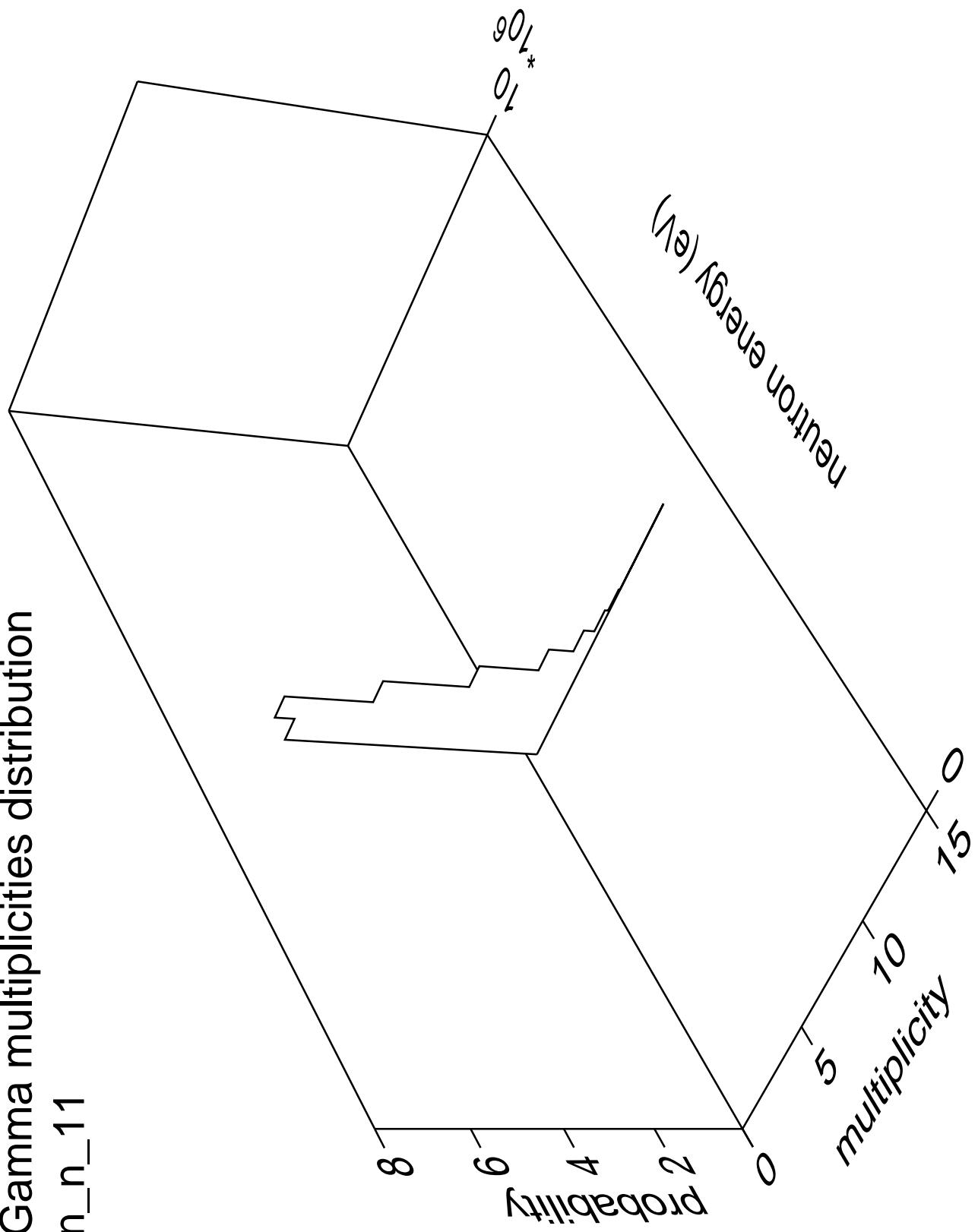
10^4

10^5

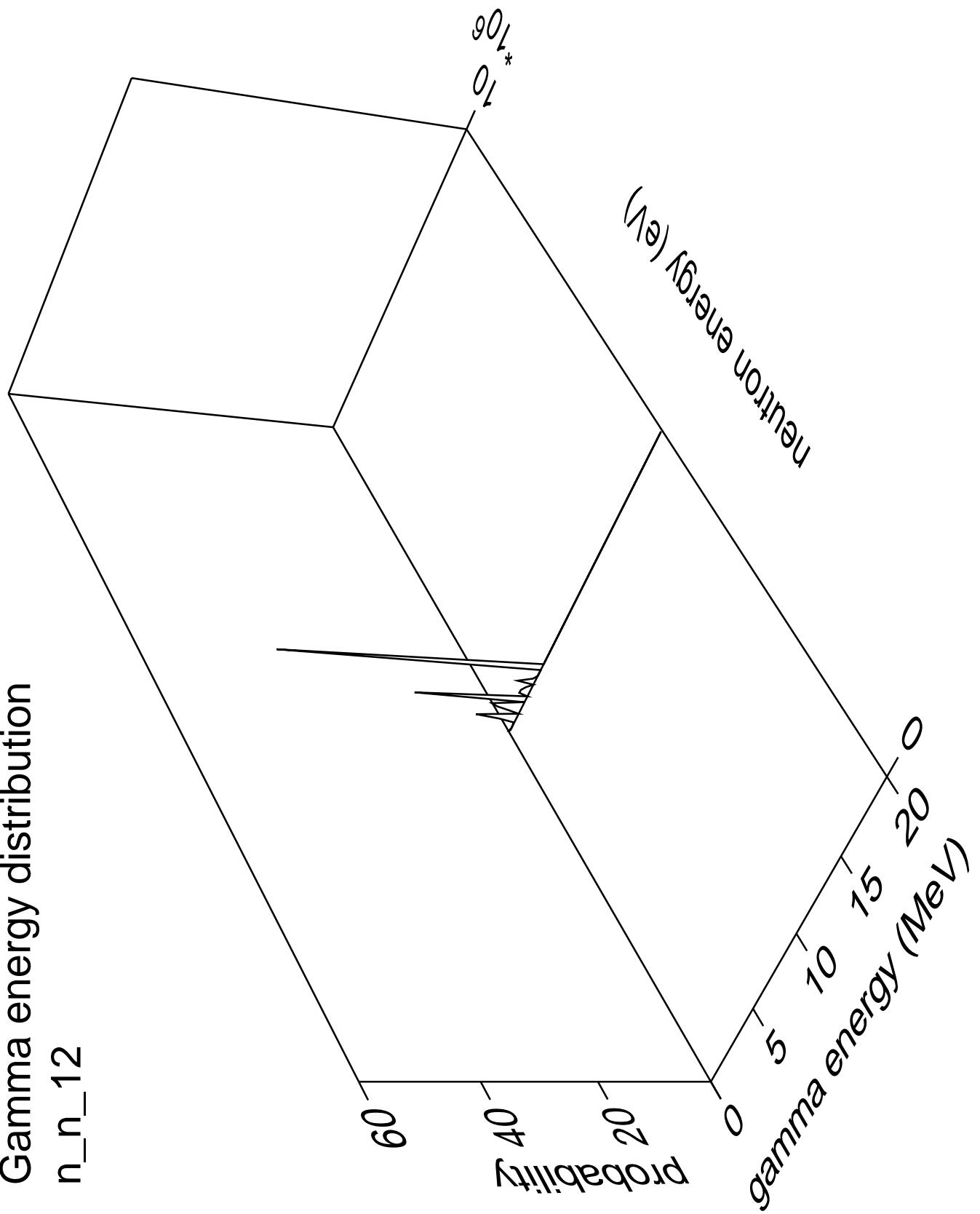
10^6



Gamma multiplicities distribution n_n_{11}



Gamma energy distribution
n_n_12



Gamma angles distribution

n_{n_12}

Probability

10^0

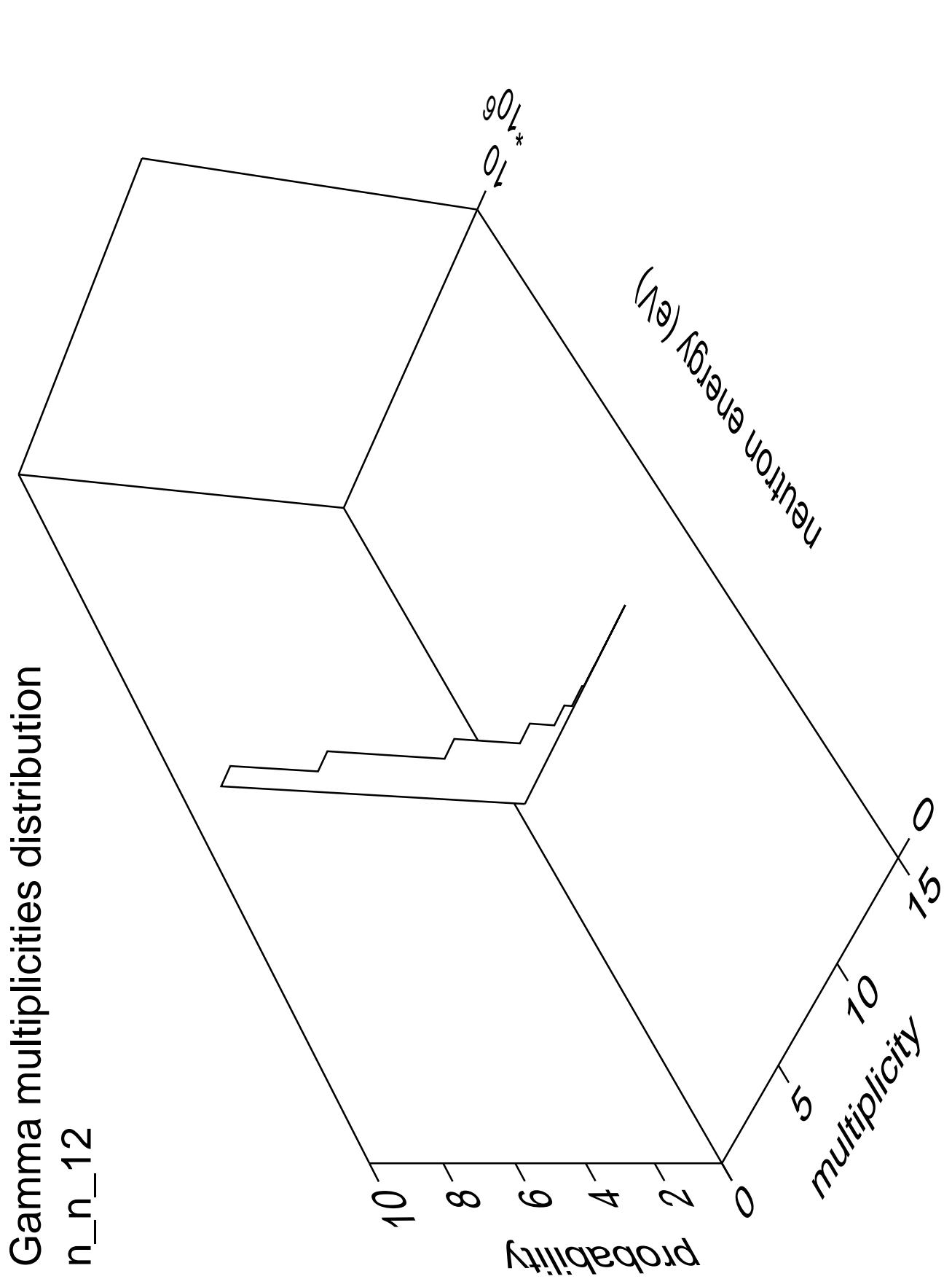
cos(theta)
1.0 0.5 0.0 -0.5 -1.0

neutron energy (eV)

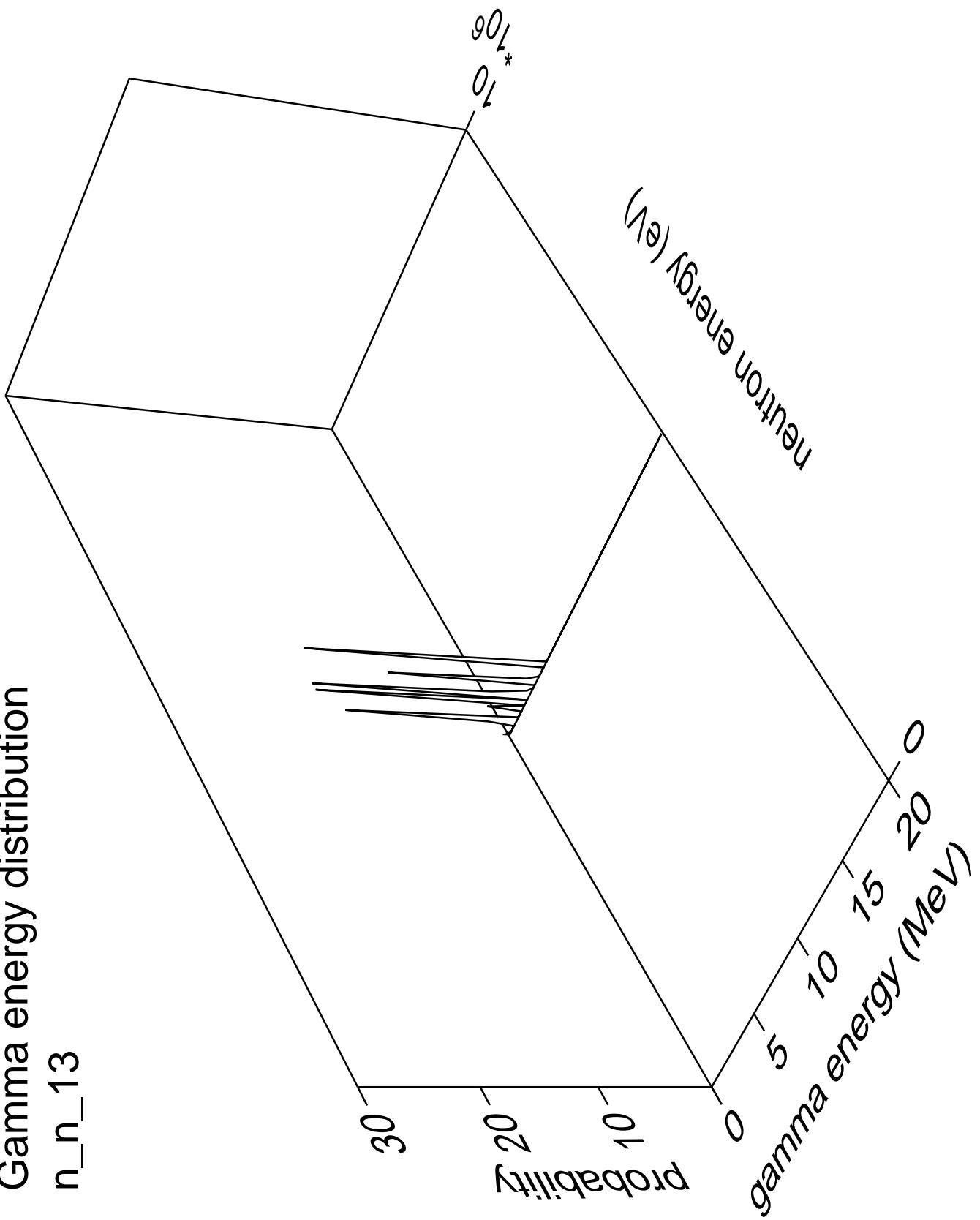
10^{10}

10^{10}

10^{10}



Gamma energy distribution n_n_13



Gamma angles distribution

n_n_13

Probability

10^0

10^{10}

10^{100}

neutron energy (eV)

cos(theta)

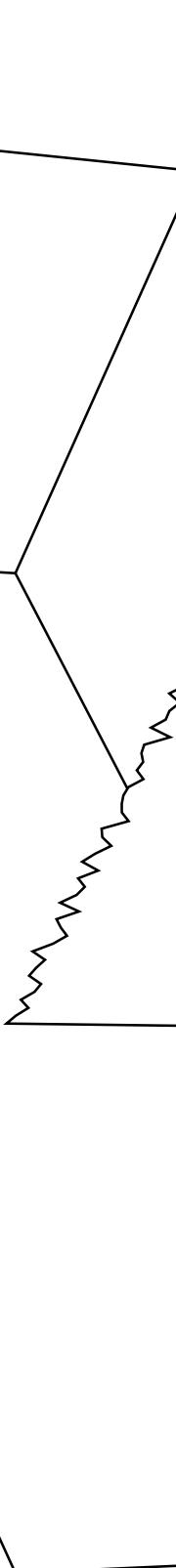
1.0

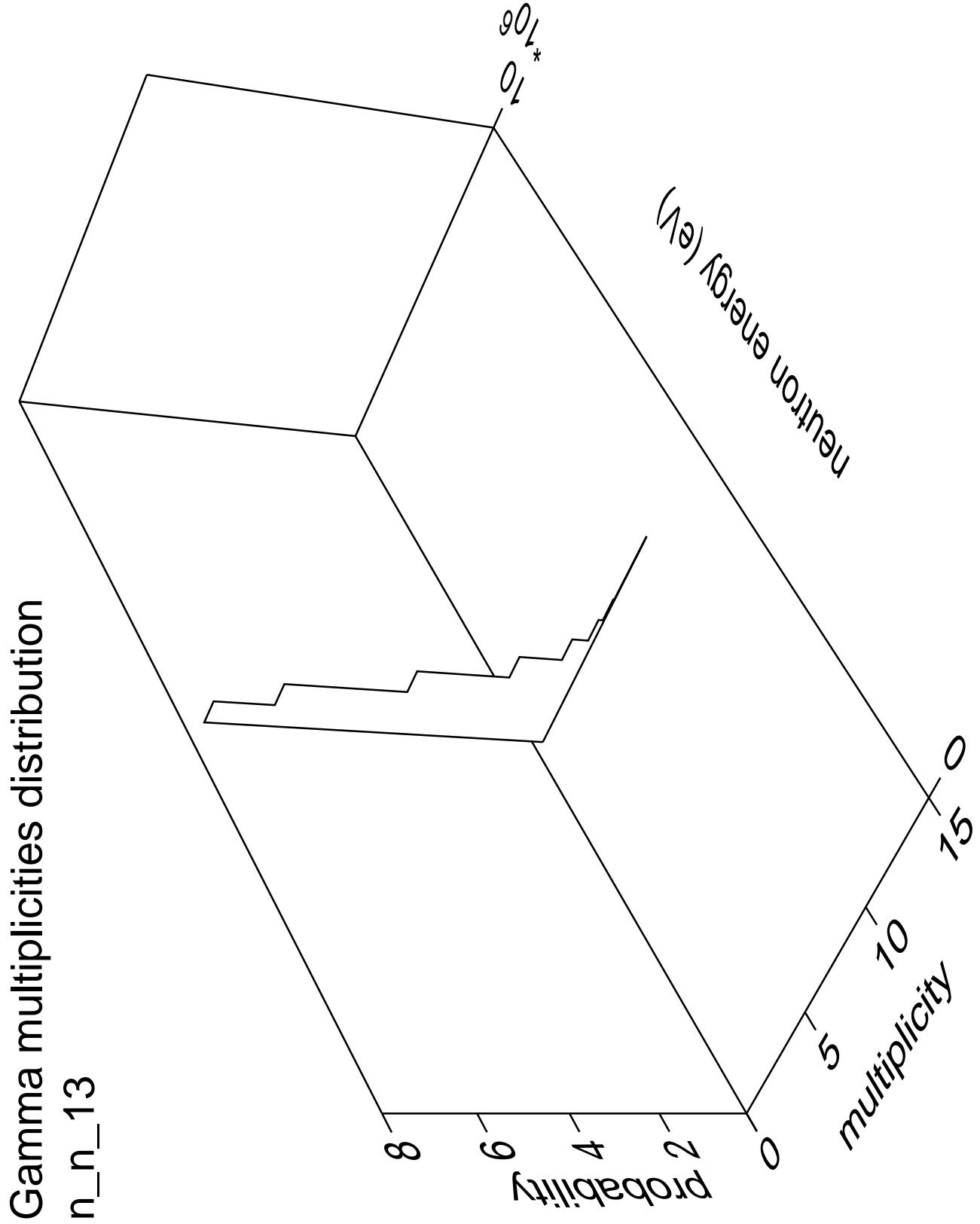
0.5

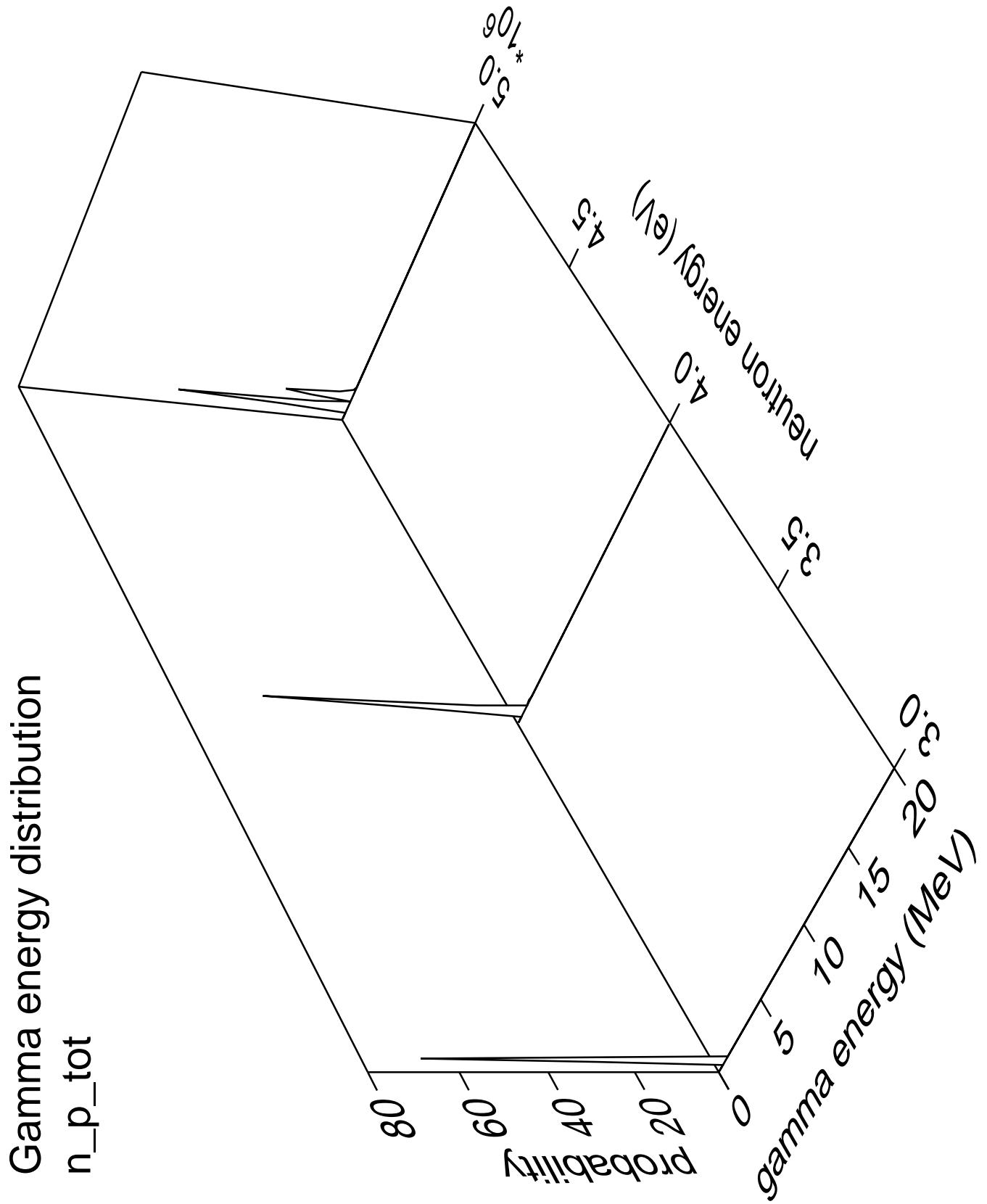
0.0

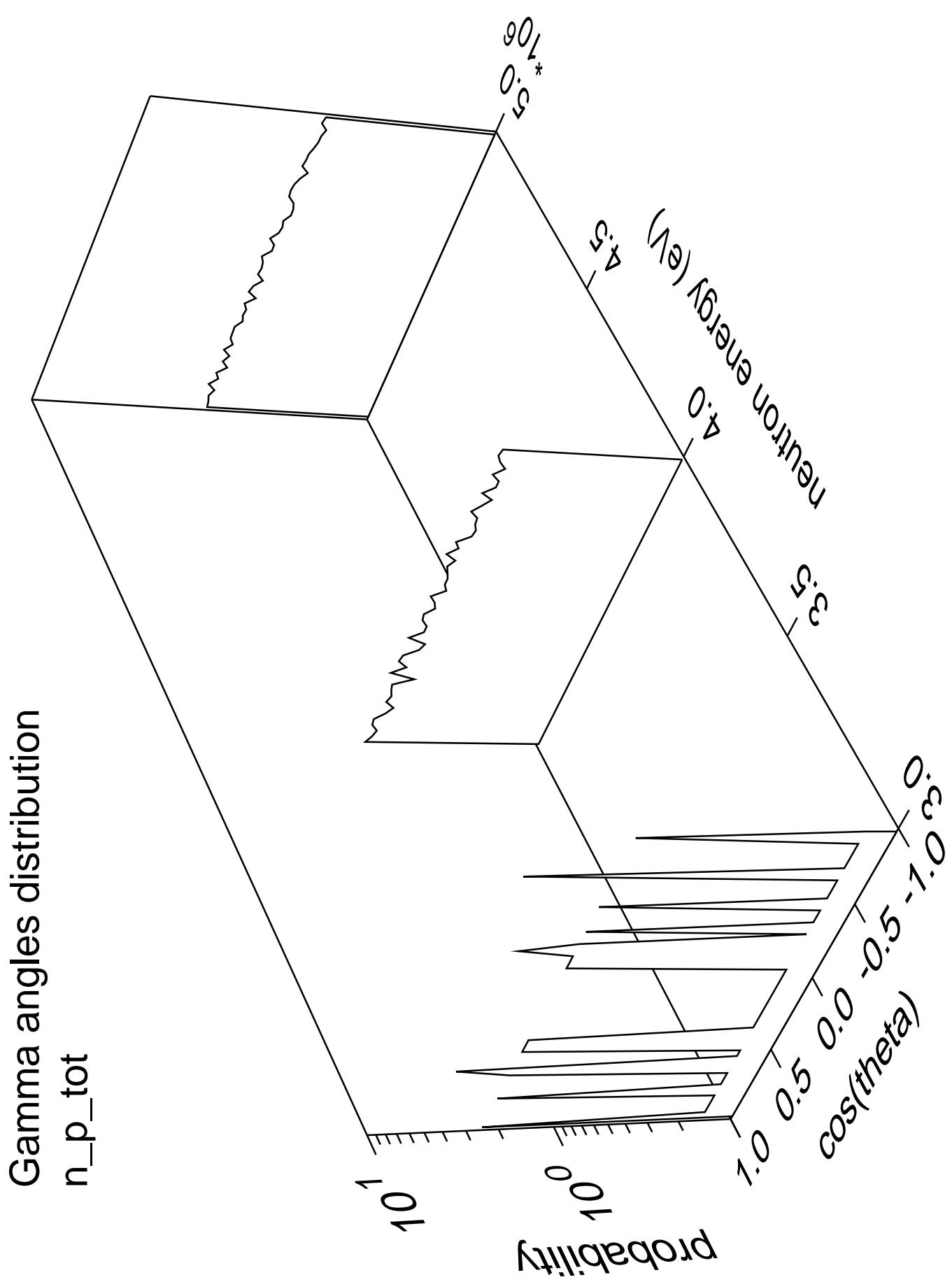
-0.5

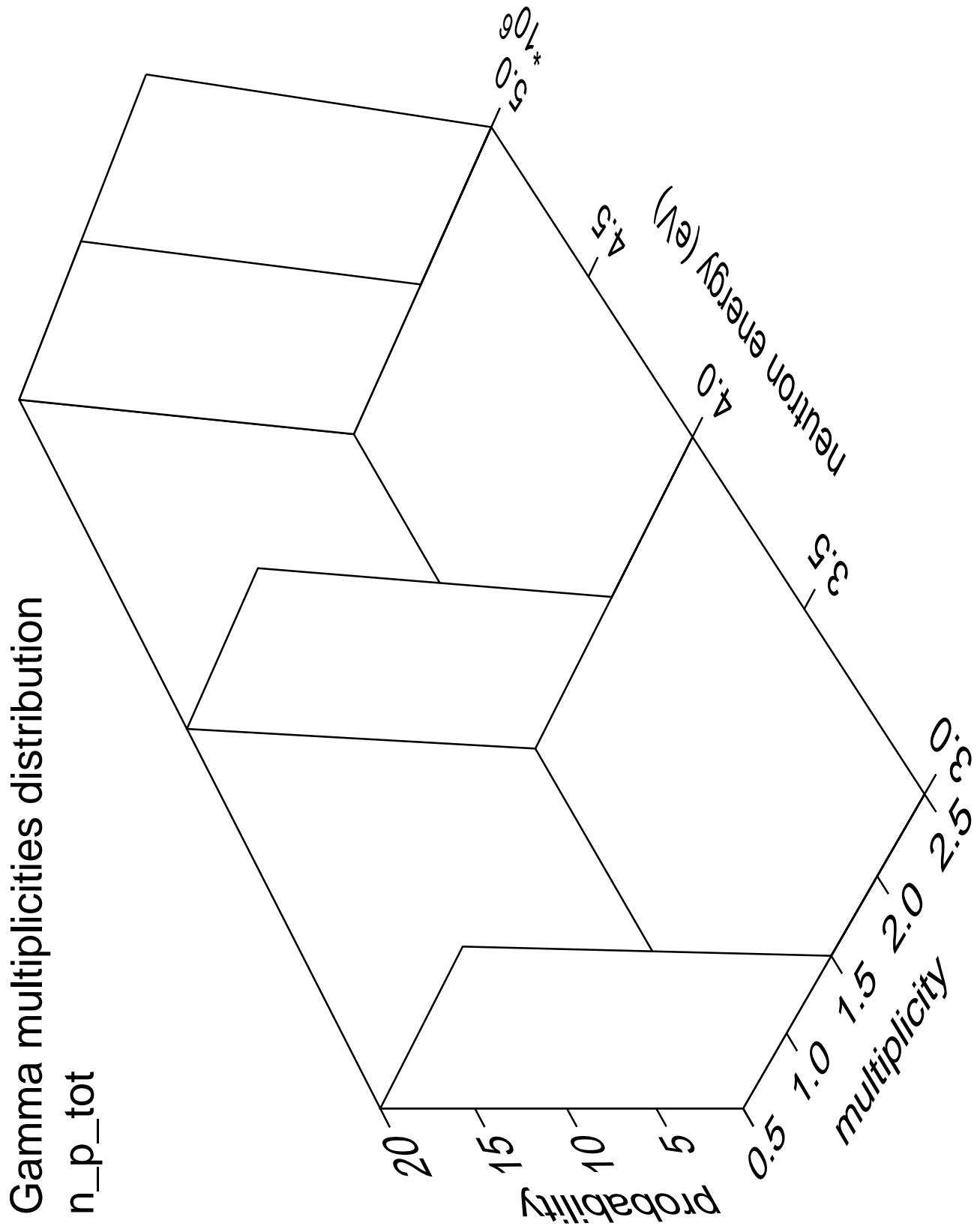
-1.0



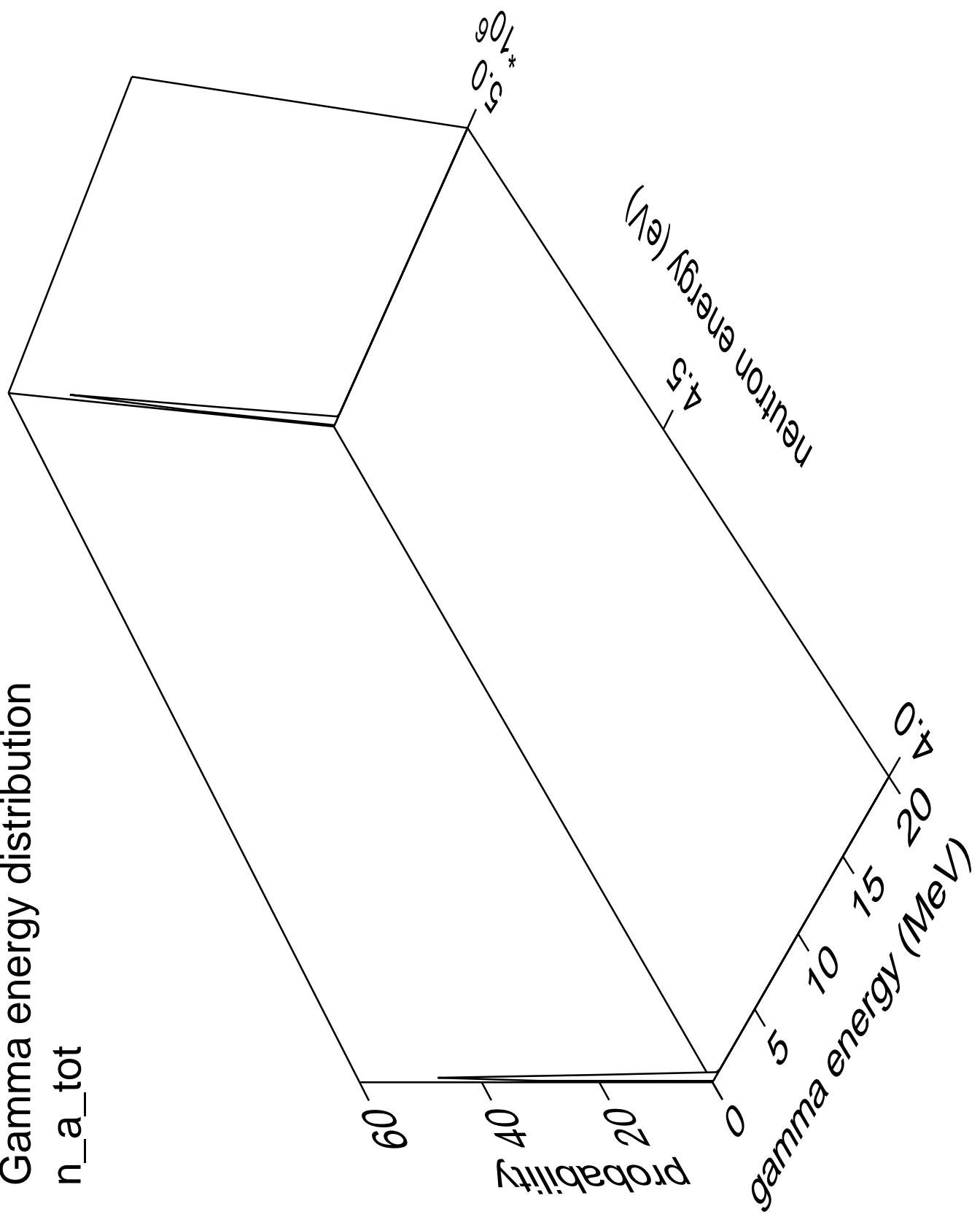








Gamma energy distribution
 n_a_{tot}



Gamma angles distribution

n_a_{tot}

Probability

10^0

Neutron energy (eV)

10^0
 0.5
 0.0

$\cos(\theta)$

1.0
 0.5
 0.0

