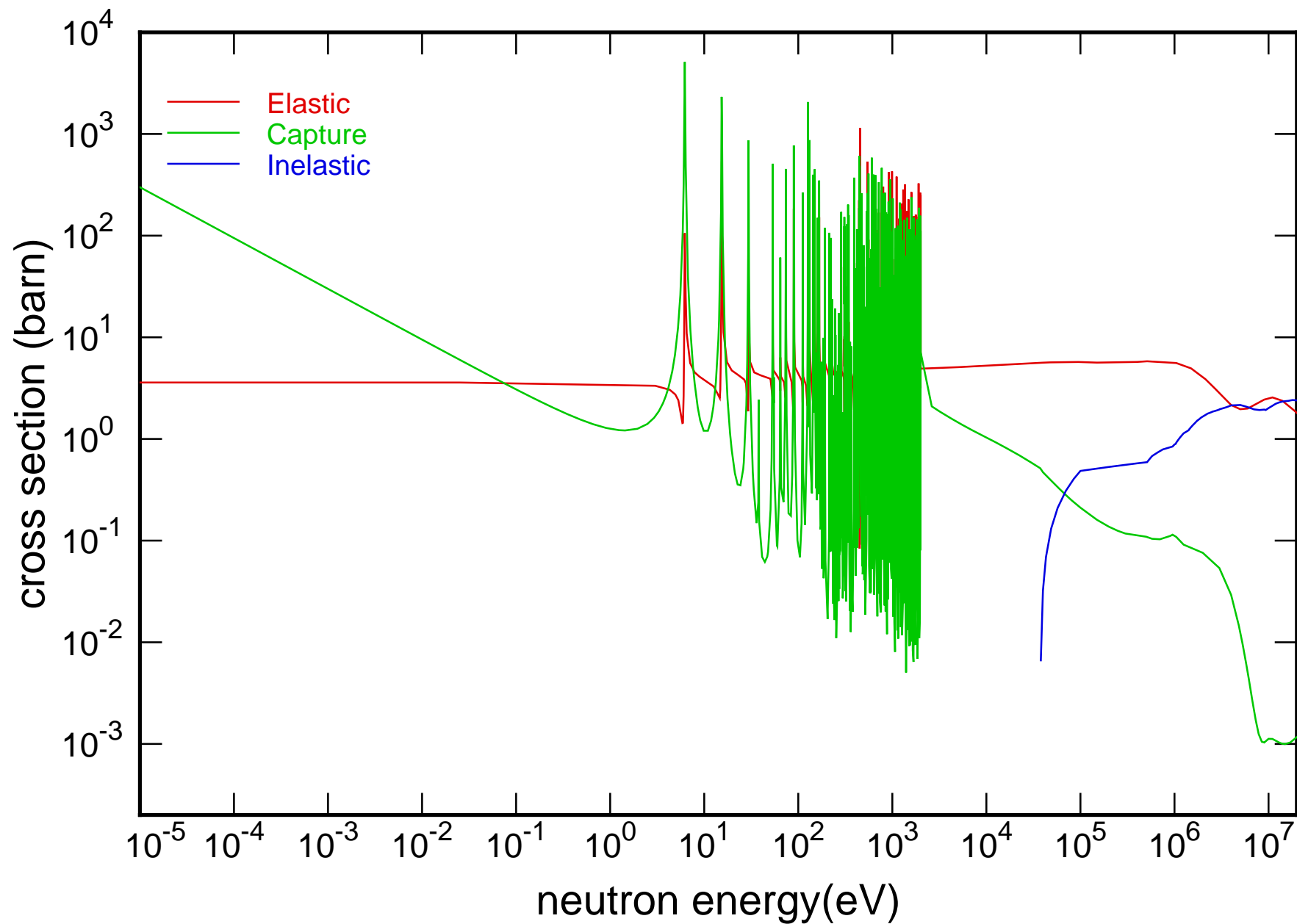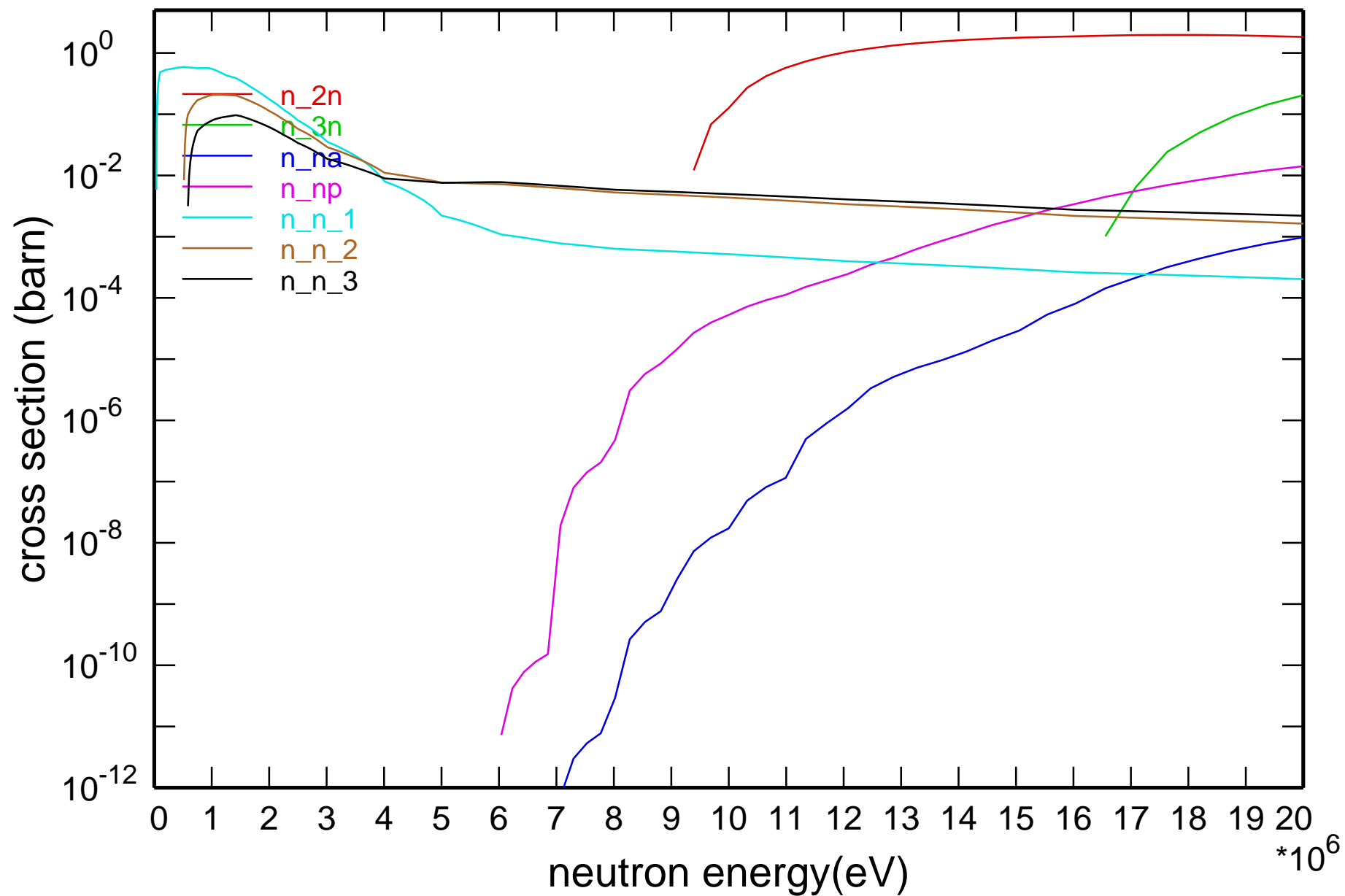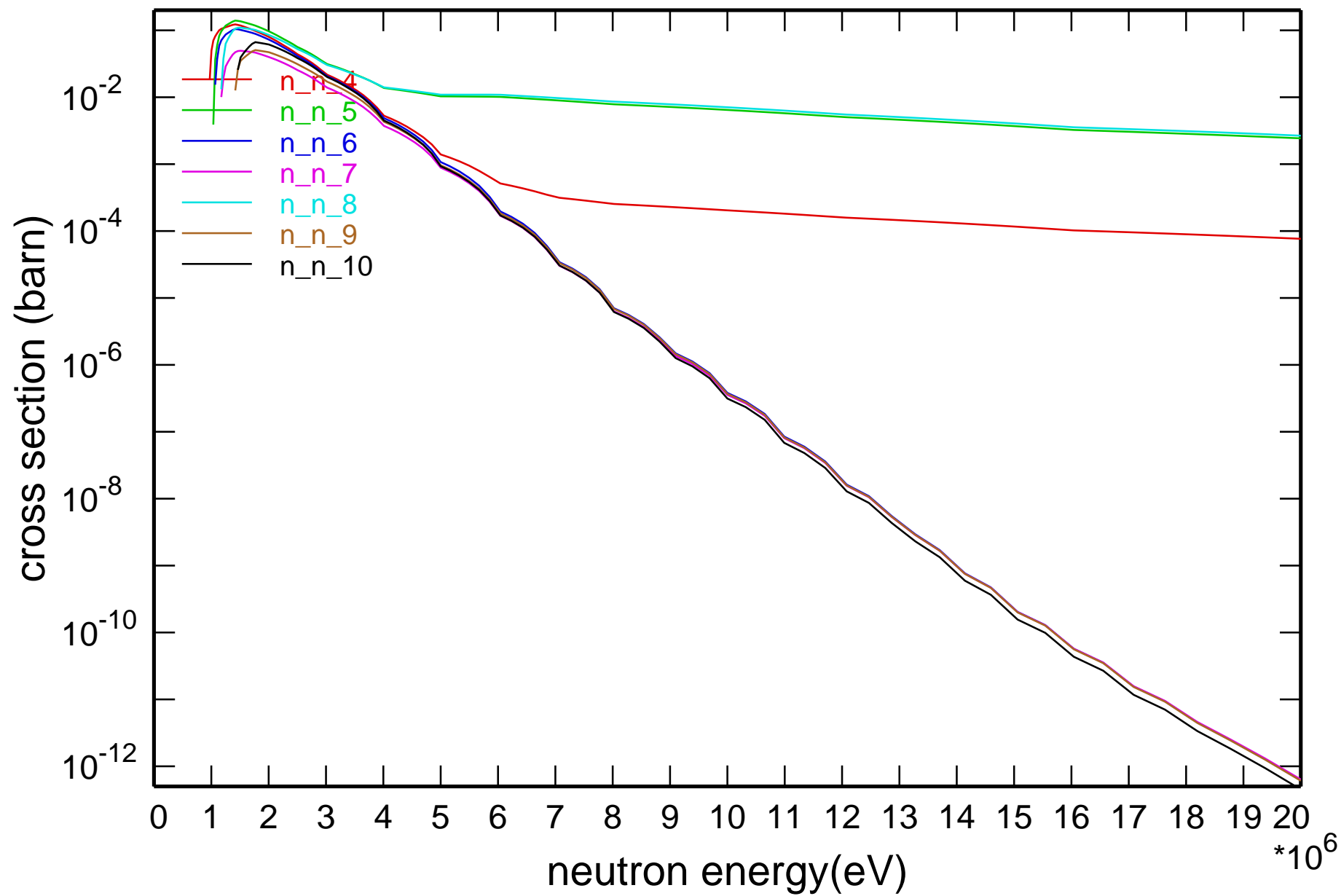Main Cross Sections

Cross Section

Cross Section

Cross Section

n_n_11
n_n_12
n_n_13
n_n_cont
n_n_tot
n_p_tot
n_d_tot
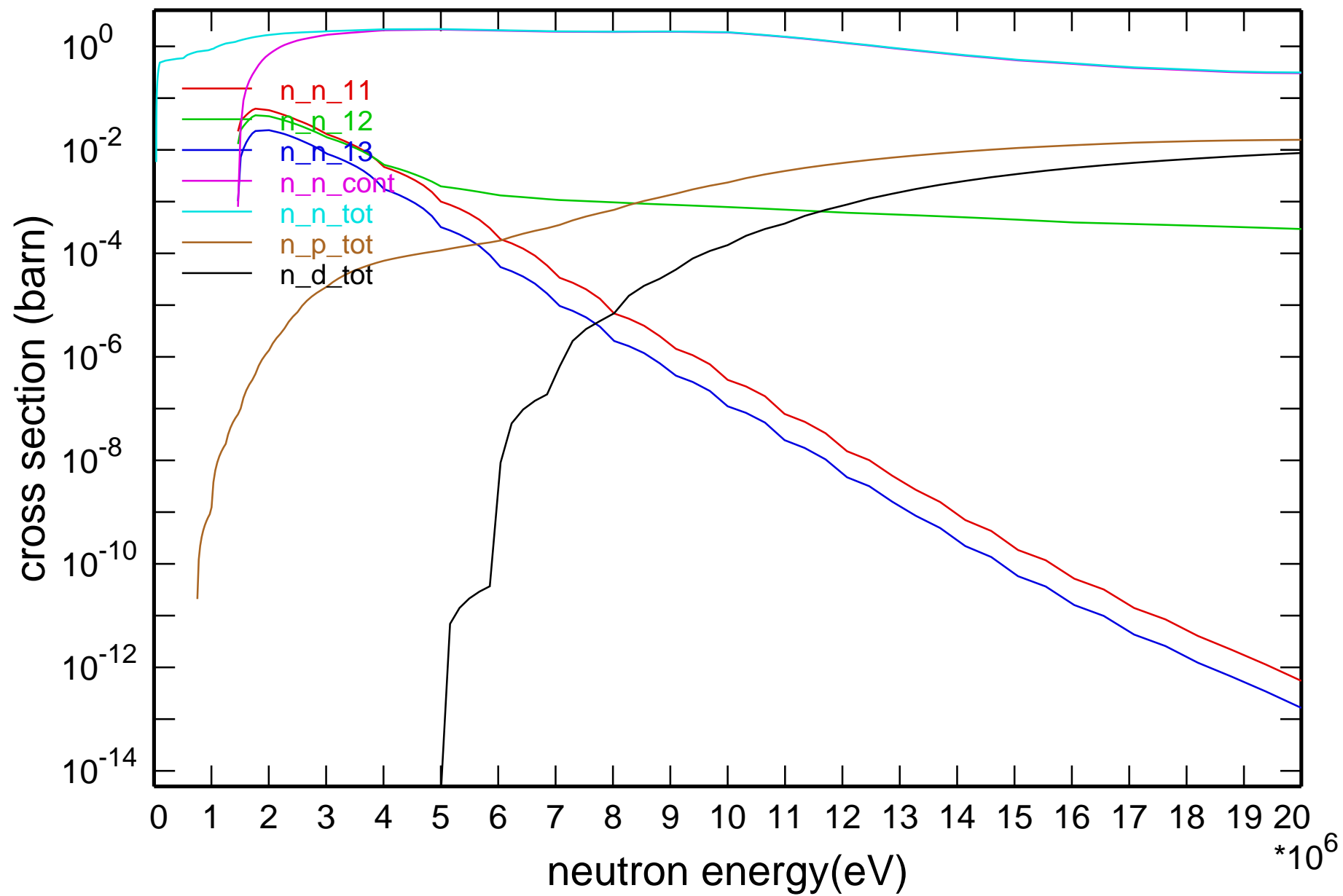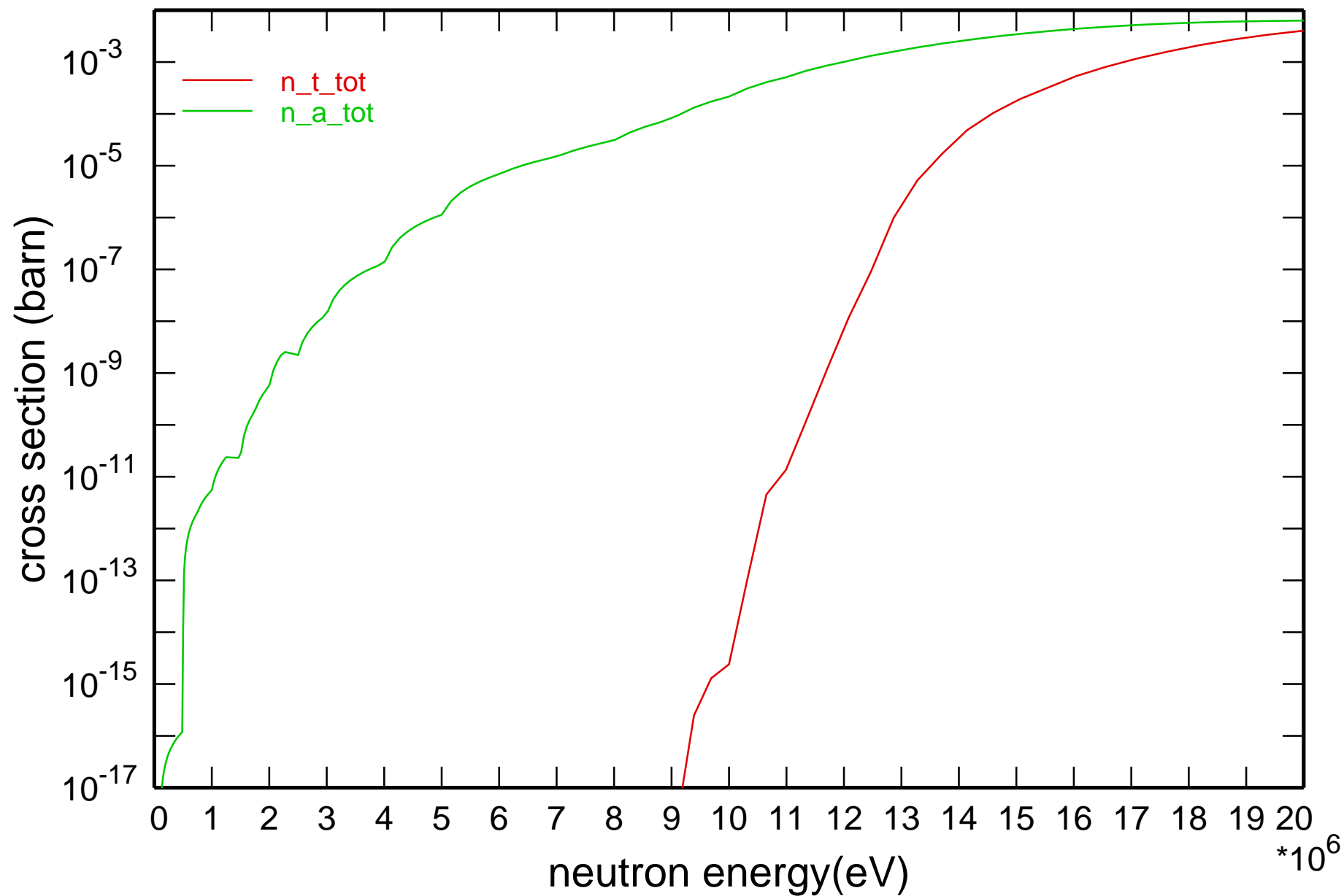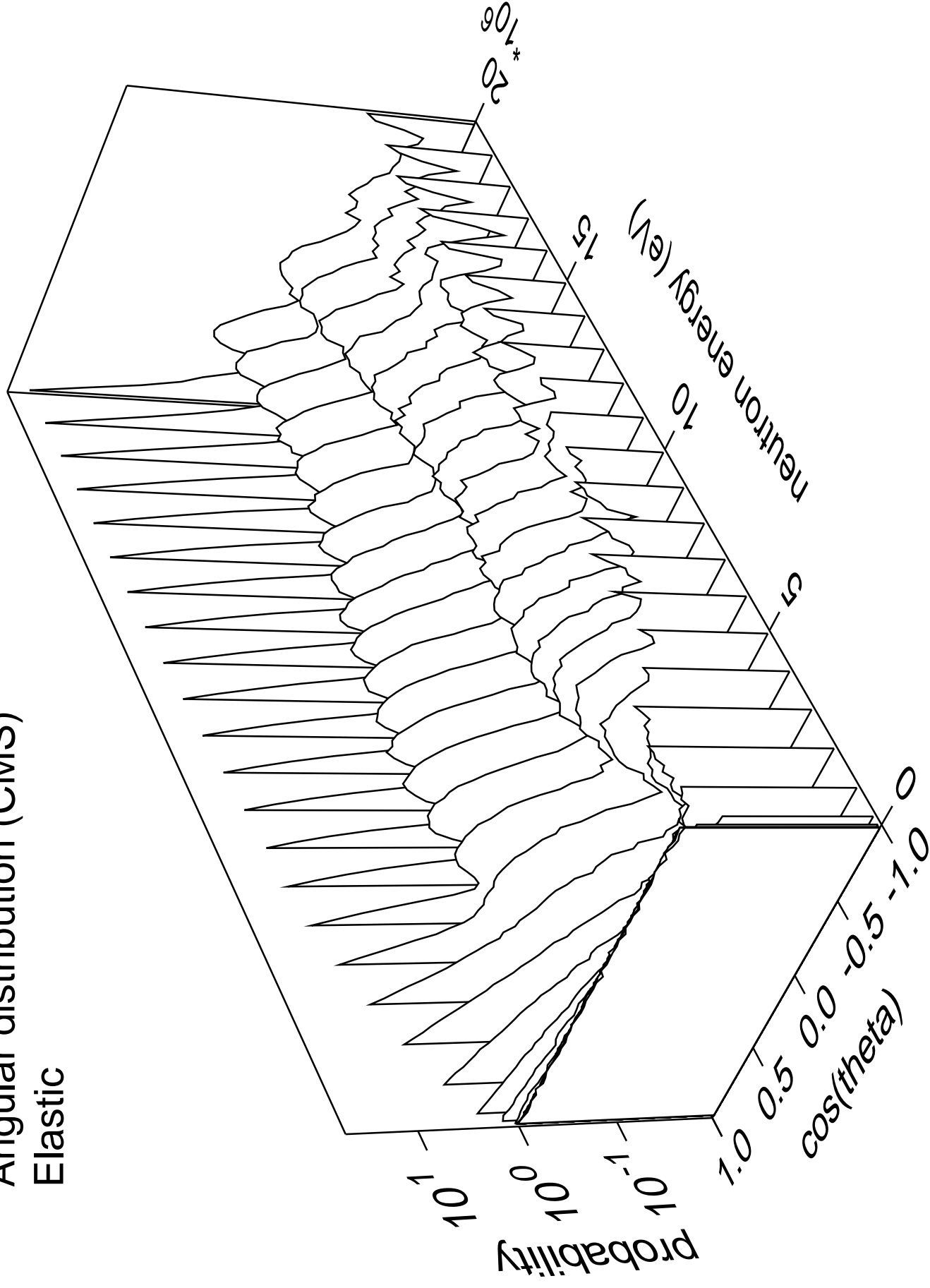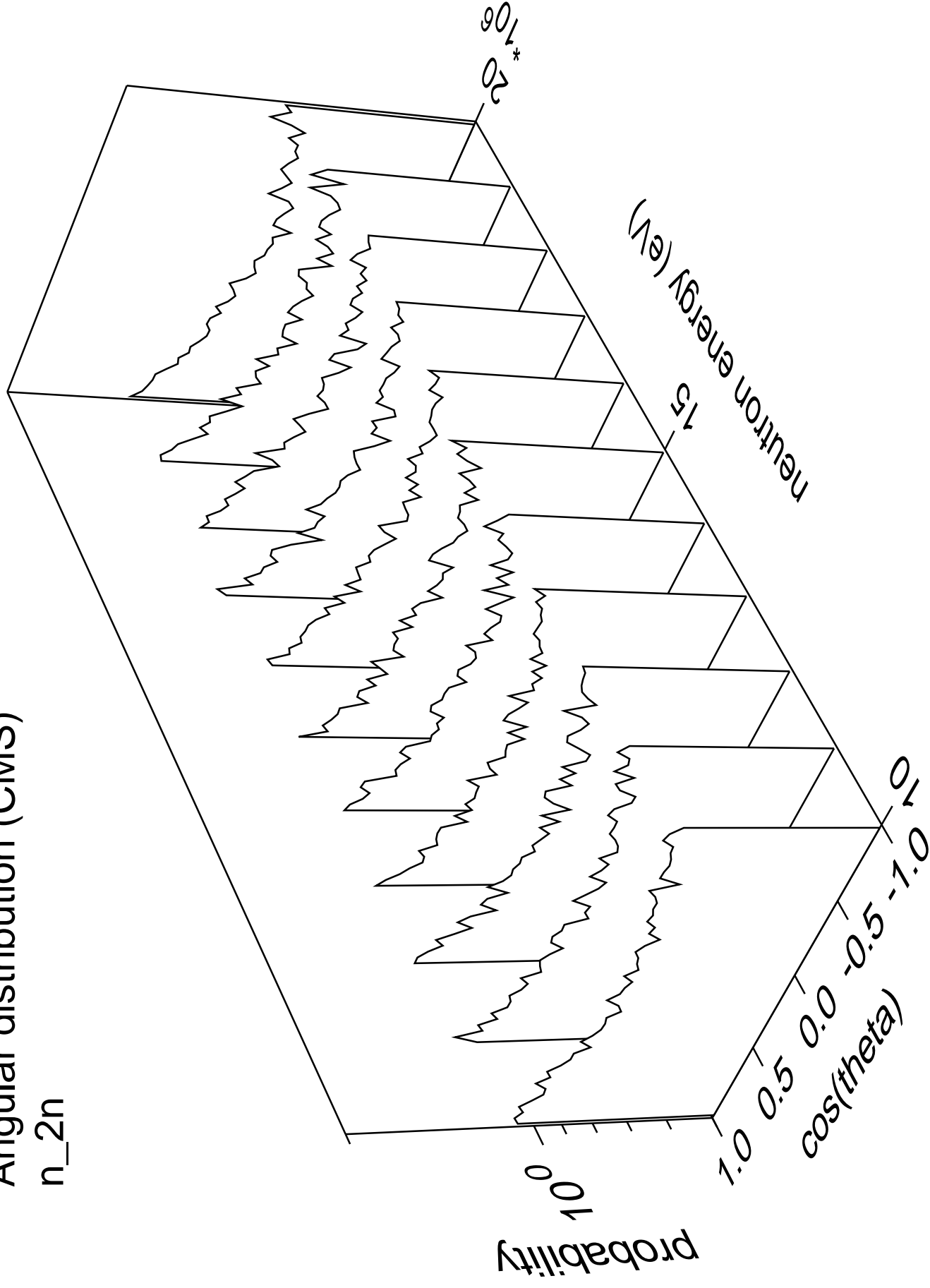
Cross Section

Angular distribution (CMS)
Elastic

Angular distribution (CMS)

n_2n

neutron energy (eV)

cos(theta)

probability

Angular distribution (CMS)

n_3n

probability

10^0

neutron energy (eV)

20 $*10^6$

19

18

17

1.0 0.5 0.0 -0.5 -1.0

cos(theta)

Angular distribution (CMS)
n_na

probability

10⁰

cos(theta)

1.0 0.5 0.0 -0.5 -1.0

neutron energy (eV)

5   10   15   20

*10⁶

Angular distribution (CMS)
n_np

probability

cos(theta)

neutron energy (eV)
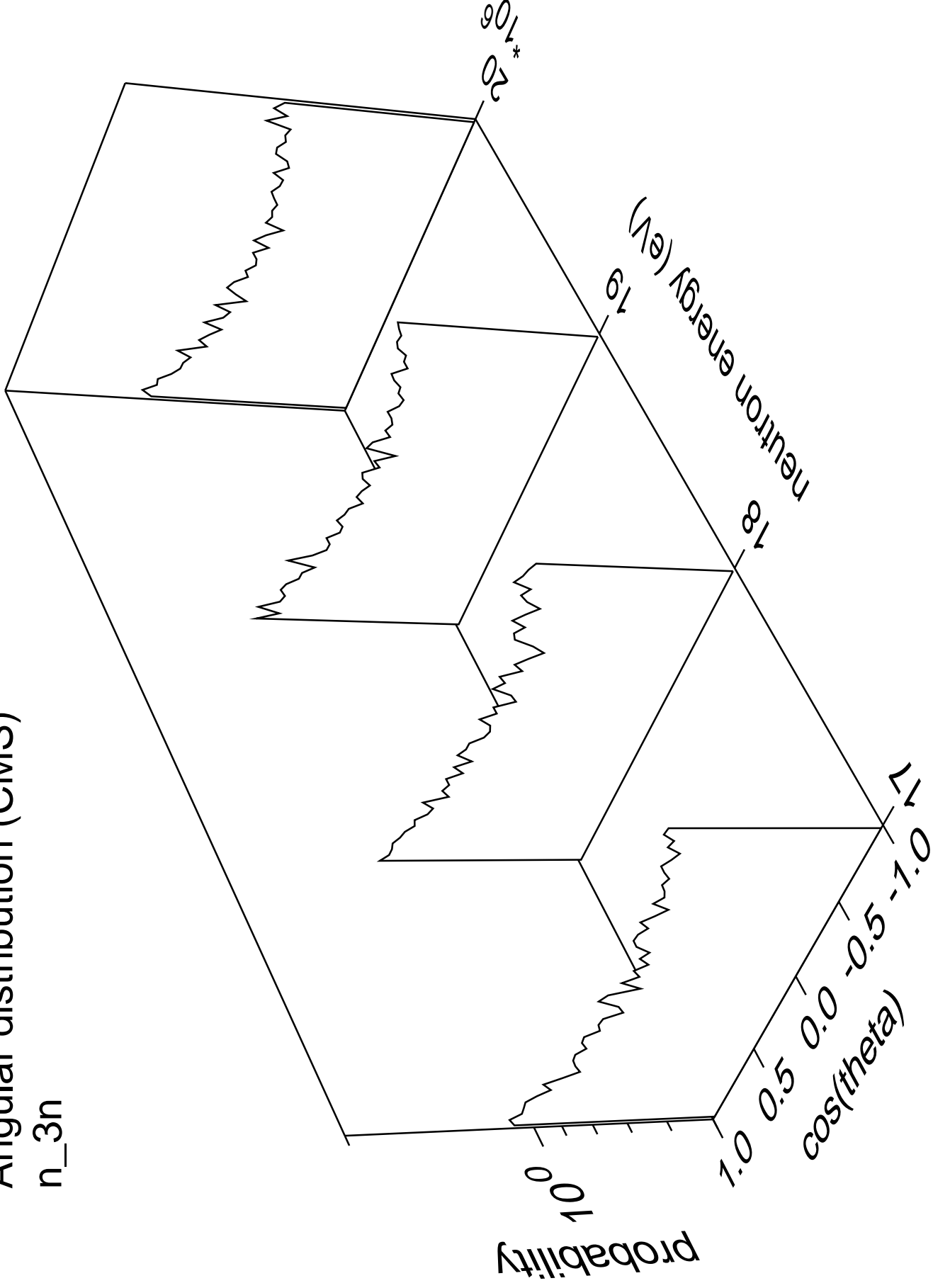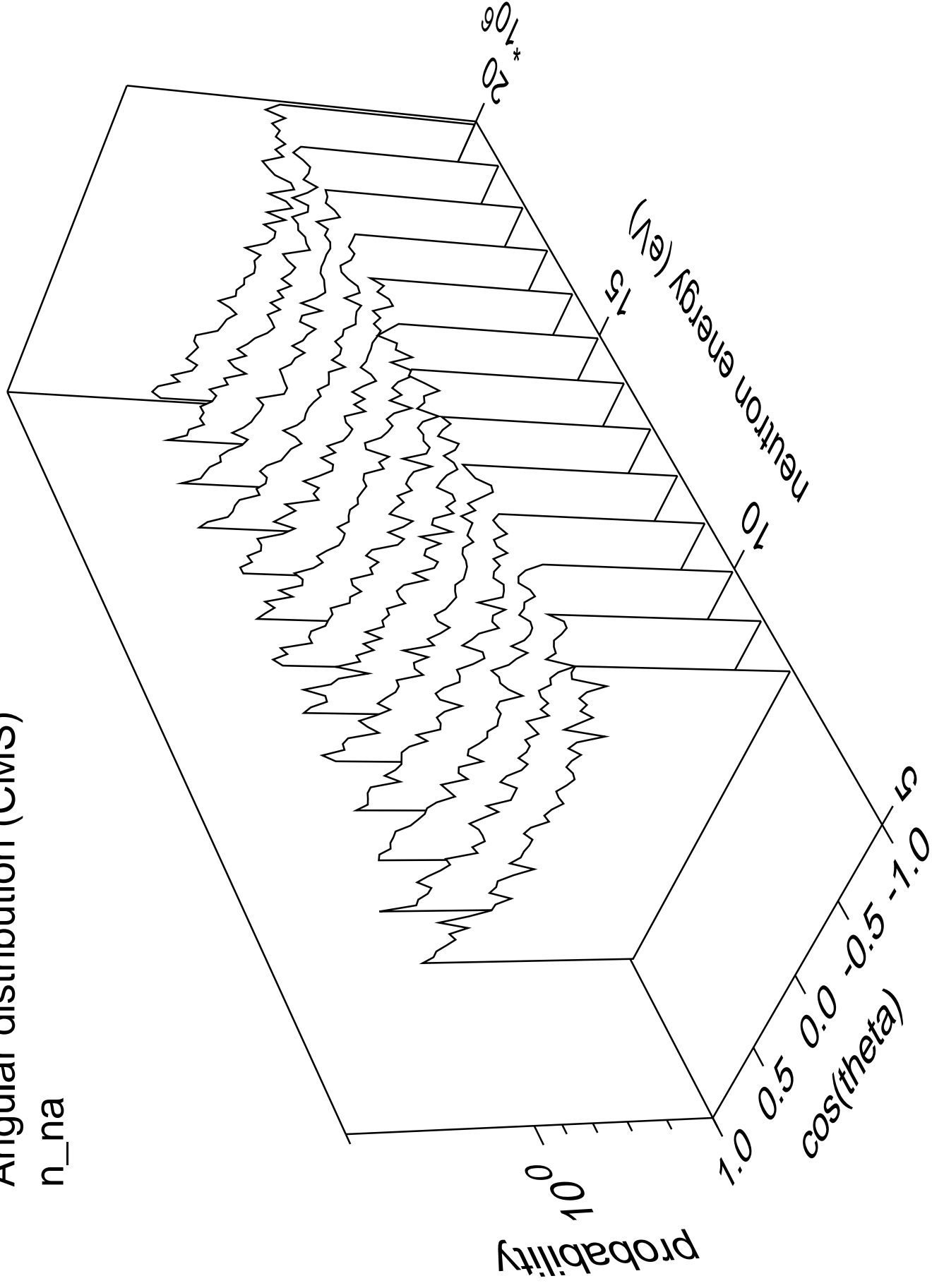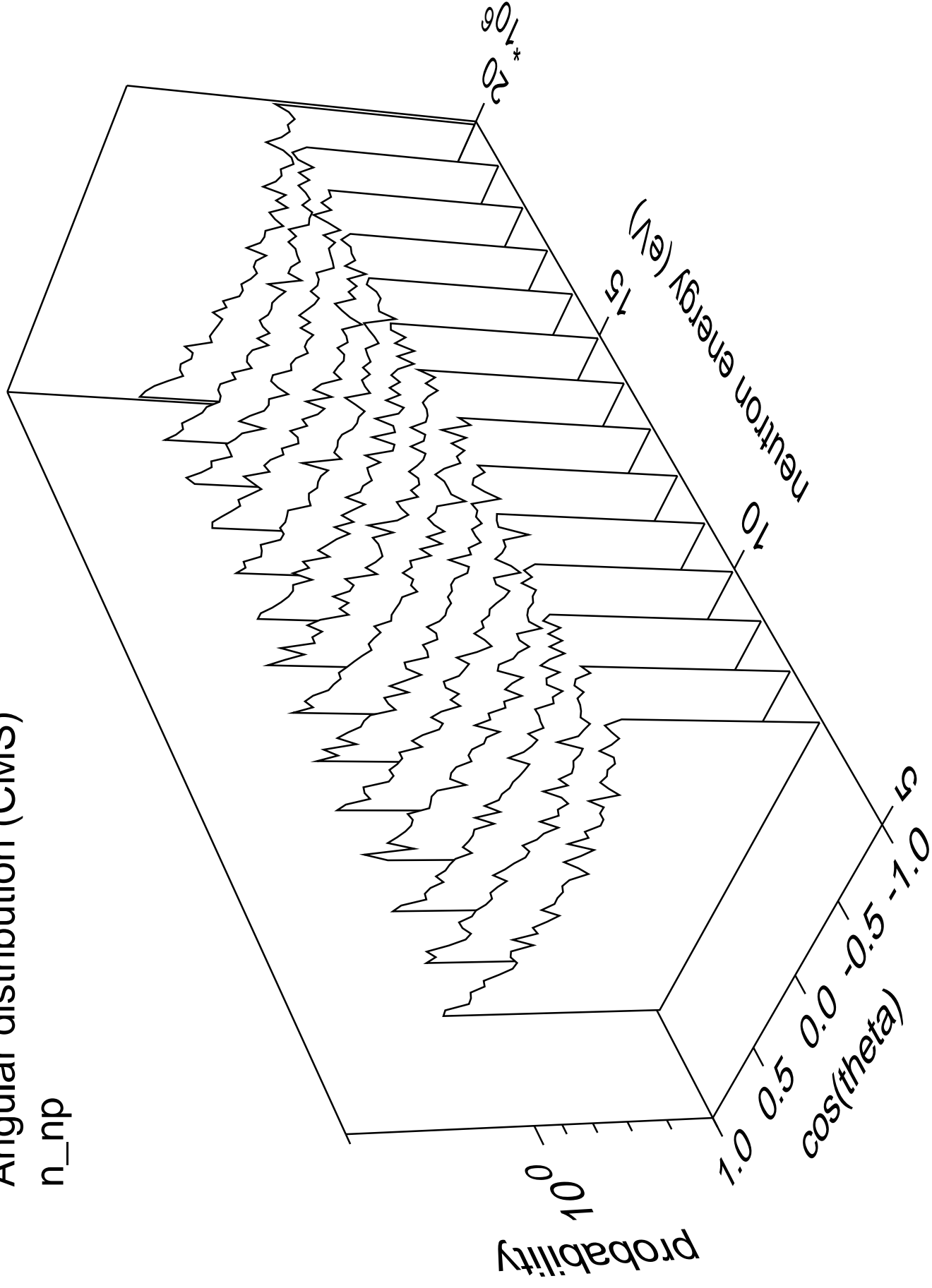
Angular distribution (CMS)
n_n_1

Angular distribution (CMS)
n_n_2
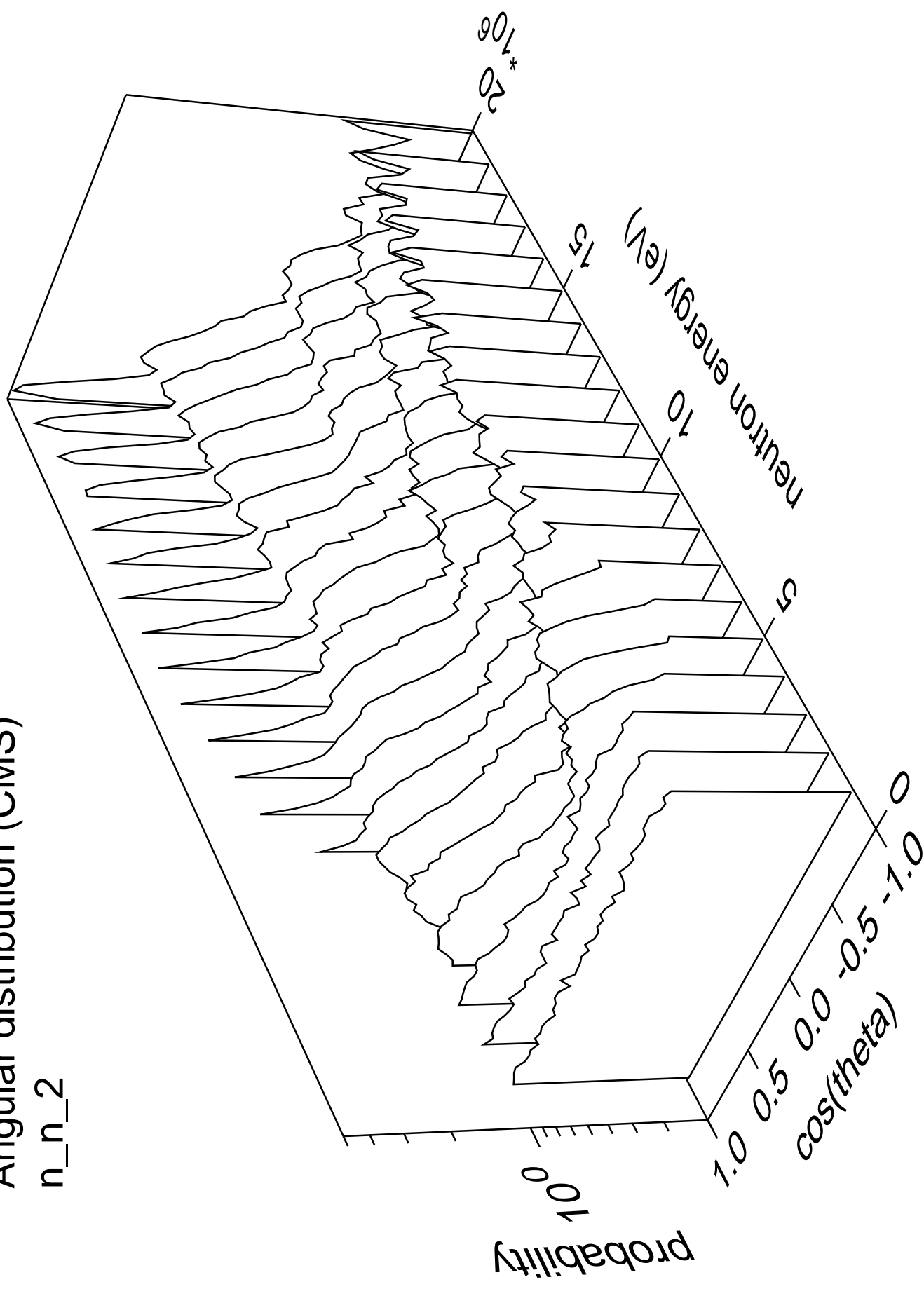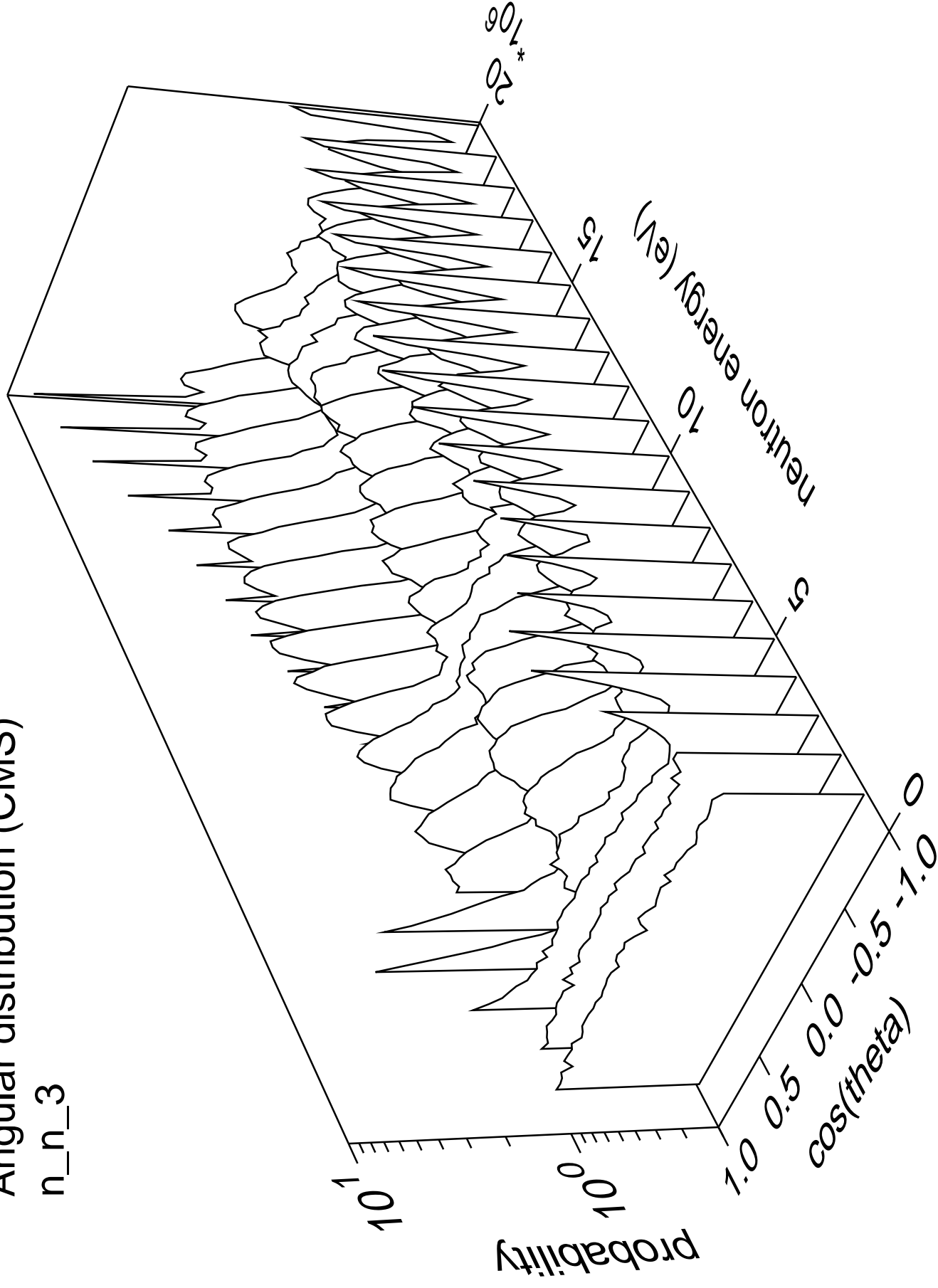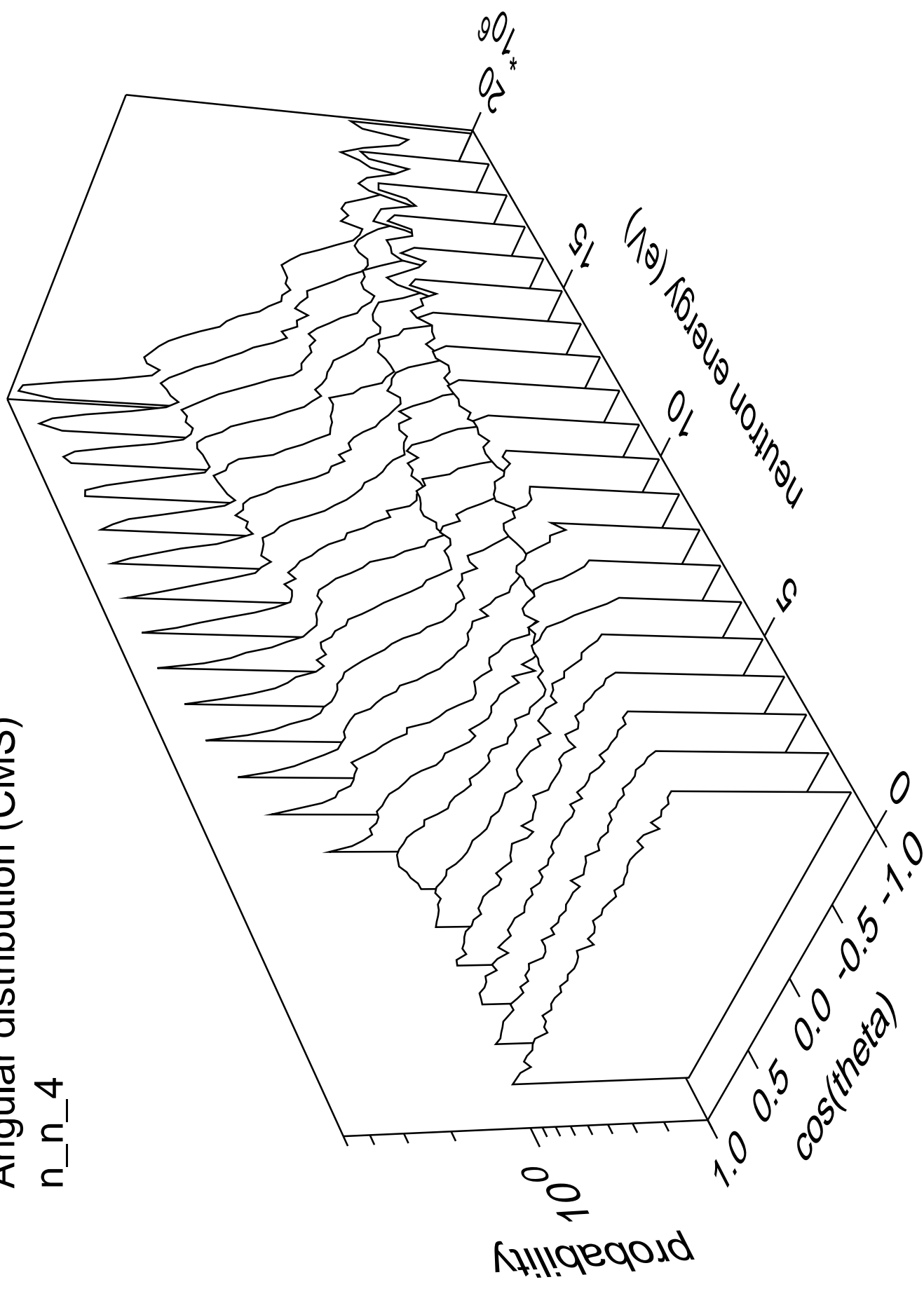
probability

10^0

neutron energy (eV)

20×10^6

15

10

5

0

1.0 0.5 0.0 -0.5 -1.0

cos(theta)

Angular distribution (CMS)
n_n_3

probability

neutron energy (eV)

cos(theta)

20
*10⁶

15

10

5

0

1.0   0.5   0.0   -0.5   -1.0

10¹

10⁰

Angular distribution (CMS)
n_n_4

neutron energy (eV)

cos(theta)

probability

10^0

20 $*10^6$

15

10

5

0

1.0 0.5 0.0 -0.5 -1.0

Angular distribution (CMS)
n_n_5

probability

cos(theta)

neutron energy (eV)

*10^6

Angular distribution (CMS)
n_n_6

probability

neutron energy (eV)

cos(theta)

20 *10⁶

15

10

5

0

1.0 0.5 0.0 -0.5 -1.0

Angular distribution (CMS)
n_n_7

probability

neutron energy (eV)

cos(theta)

Angular distribution (CMS)
n_n_8

probability

neutron energy (eV)

cos(theta)

Angular distribution (CMS)
n_n_9

neutron energy (eV)

cos(theta)

probability

Angular distribution (CMS)
n_n_10

neutron energy (eV)

cos(theta)

probability

Angular distribution (CMS)
n_n_11

probability

cos(theta)

neutron energy (eV)

Angular distribution (CMS)
n_n_12

probability

neutron energy (eV)

cos(theta)

Angular distribution (CMS)
n_n_13

probability

neutron energy (eV)

cos(theta)

Angular distribution (CMS)
n_n_cont

probability

10^0

cos(theta)

1.0 0.5 0.0 -0.5 -1.0 0

5

10

15

20
*10^6

neutron energy (eV)

Energy distribution (CMS)
n_2n

probability

neutron energy (eV)

energy (eV)

10^0

10^{-2}

10^0

5

10

15

*10^6

10

15

20

*10^6
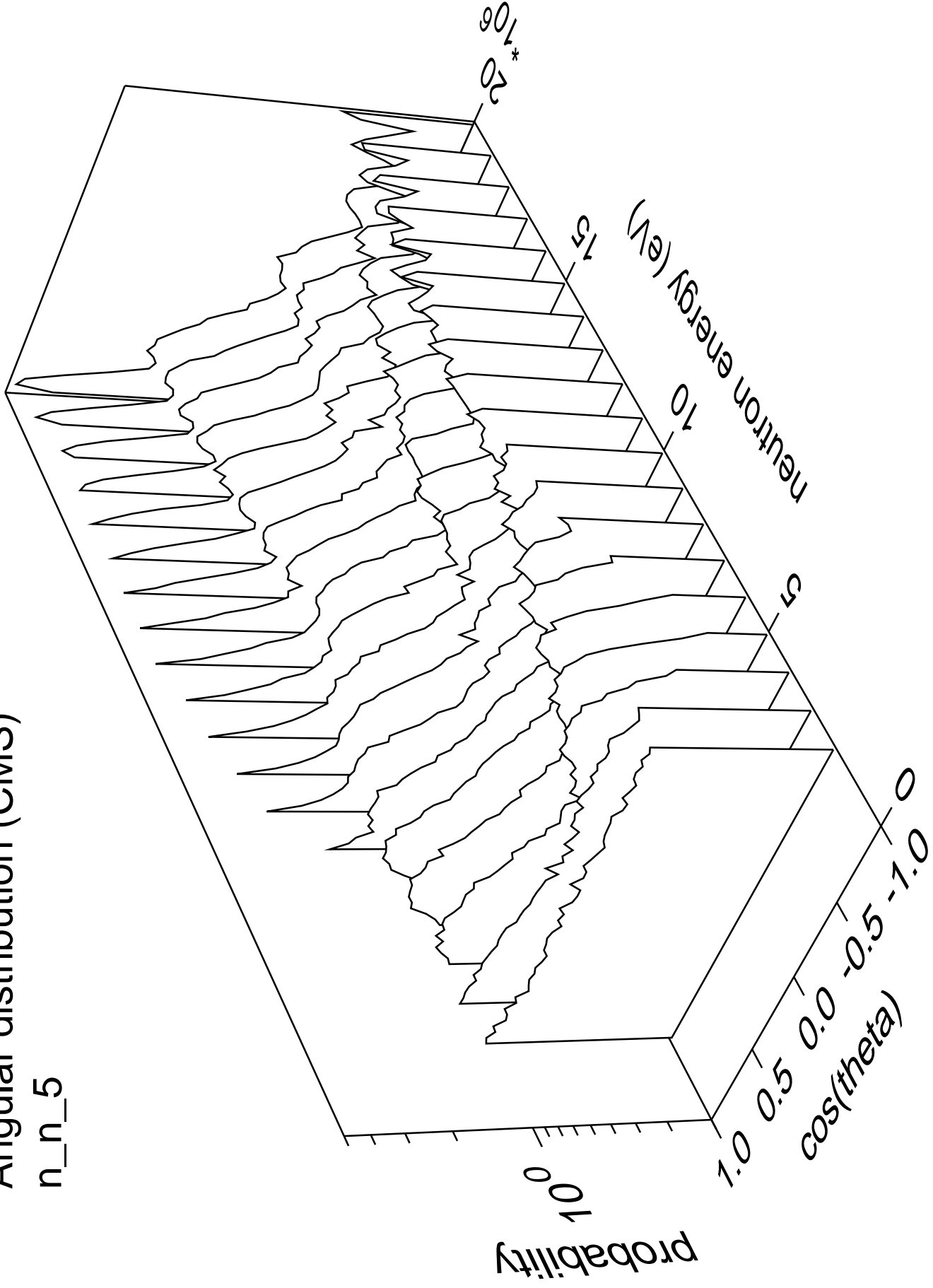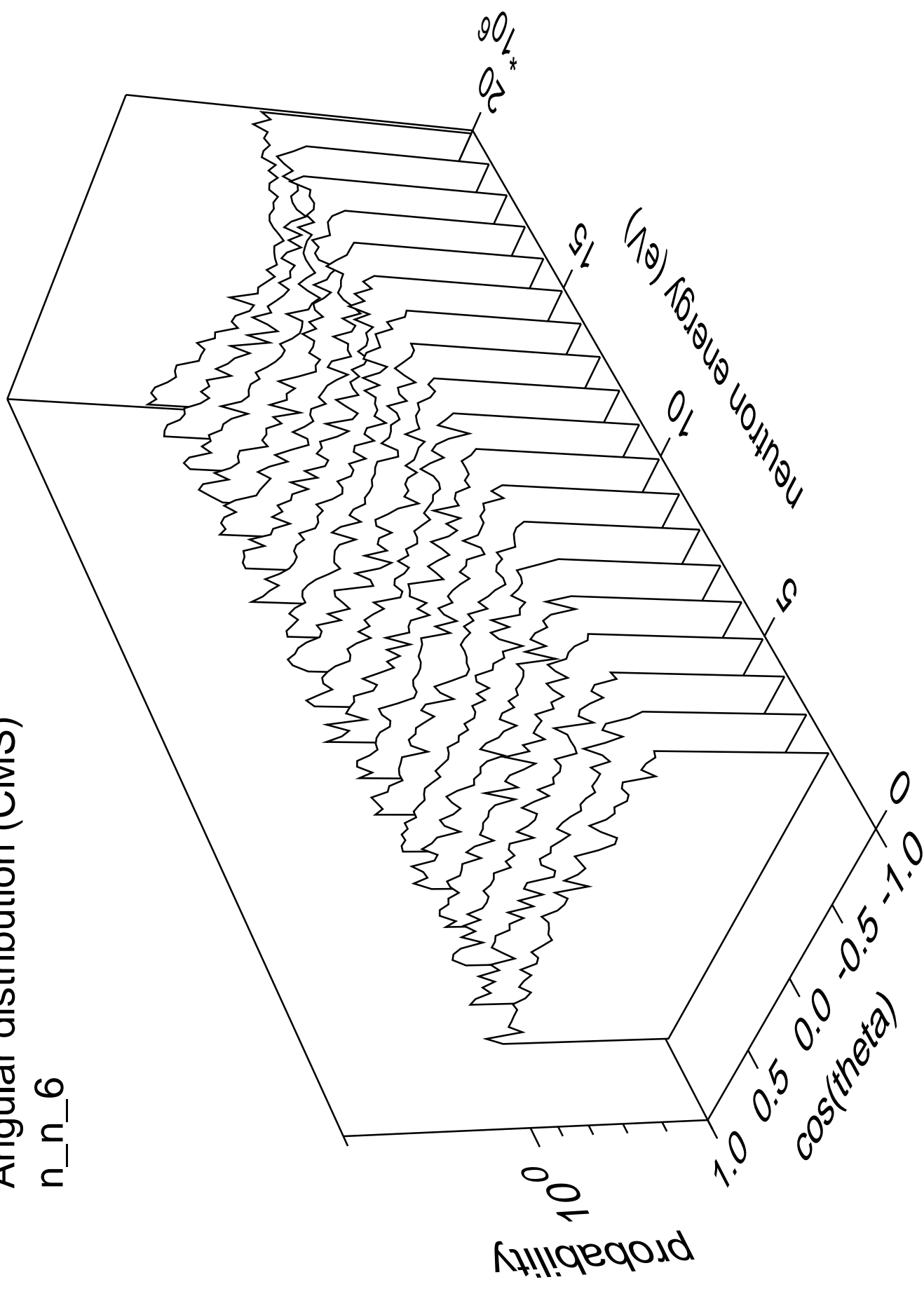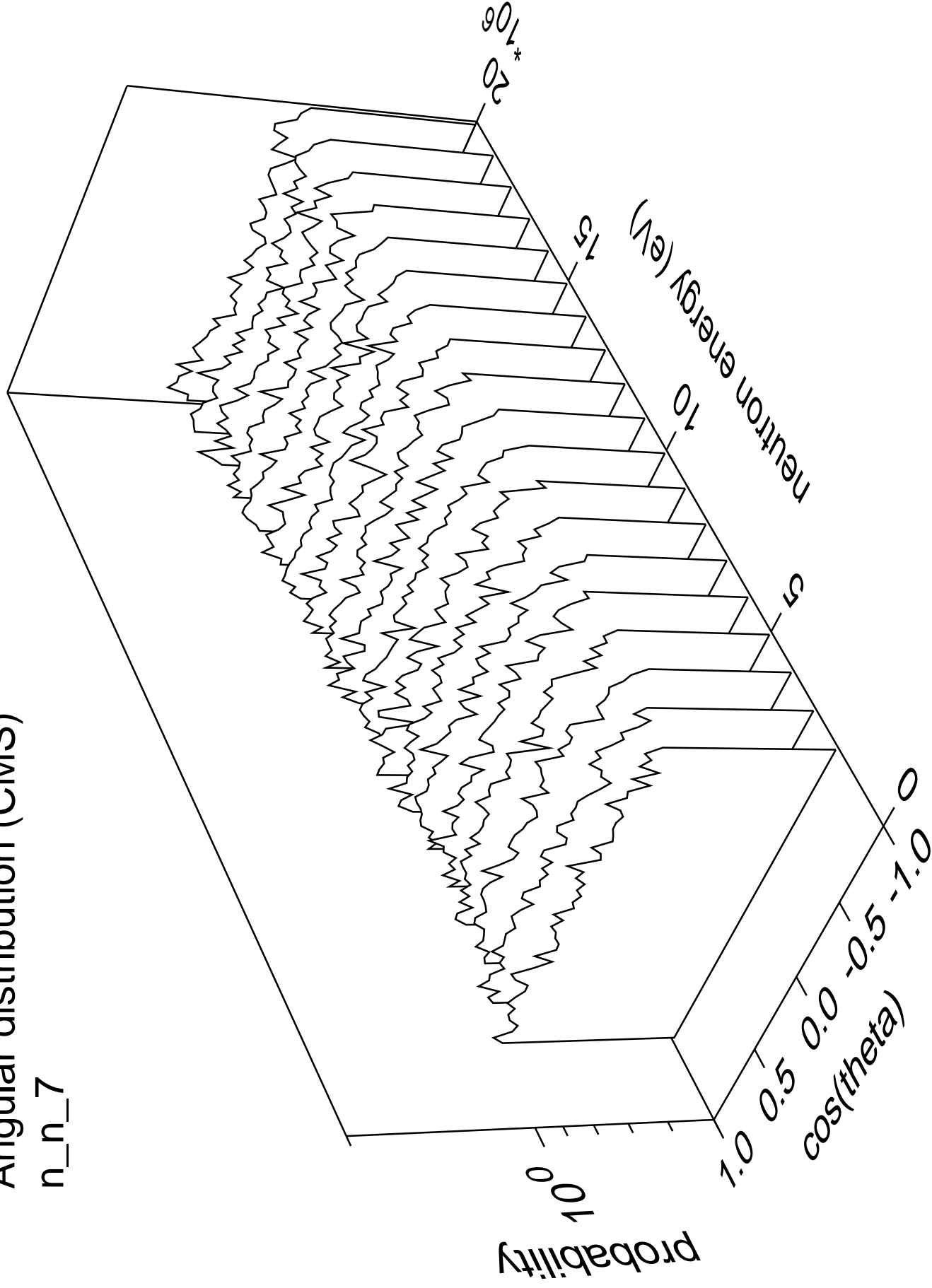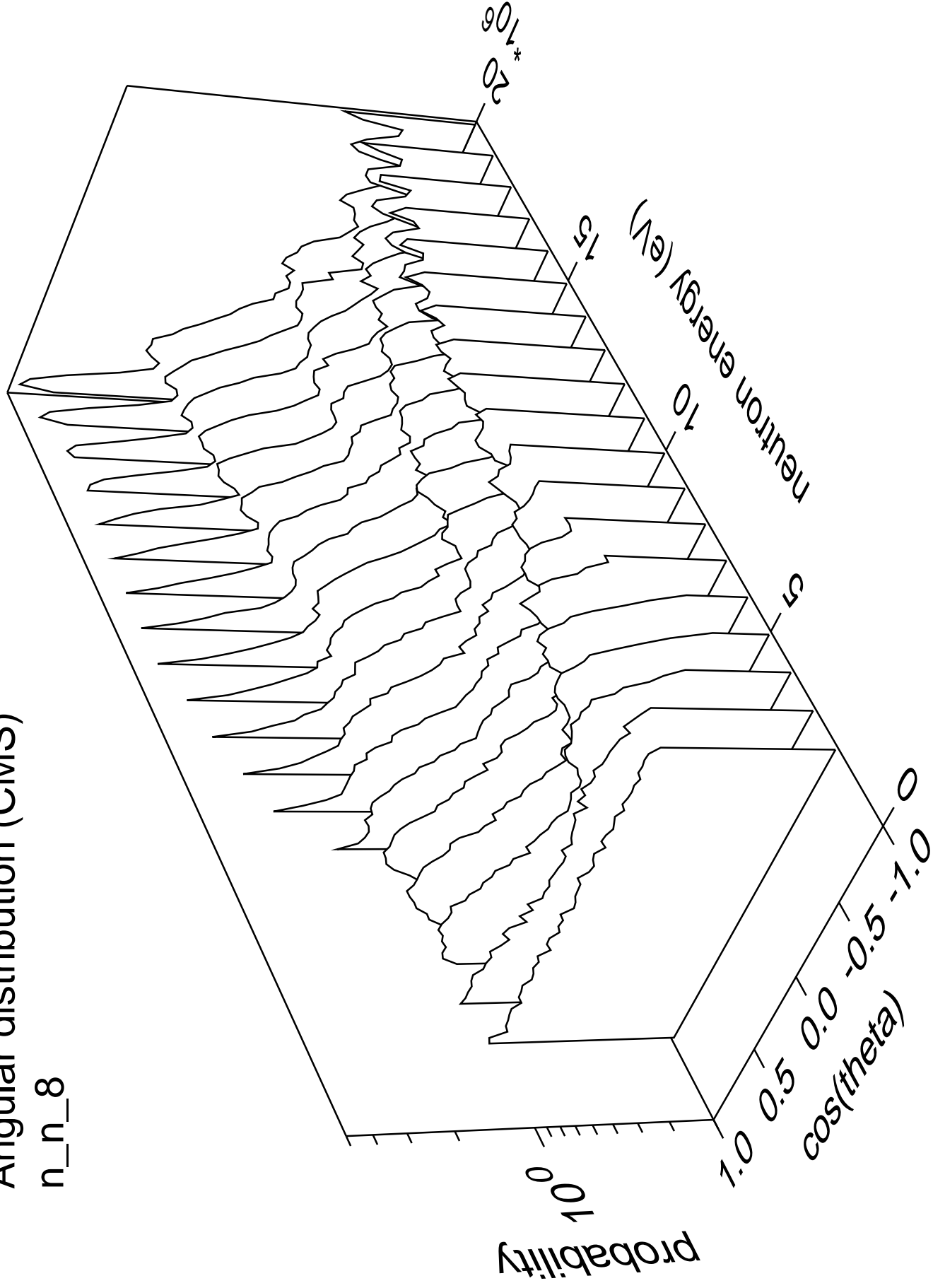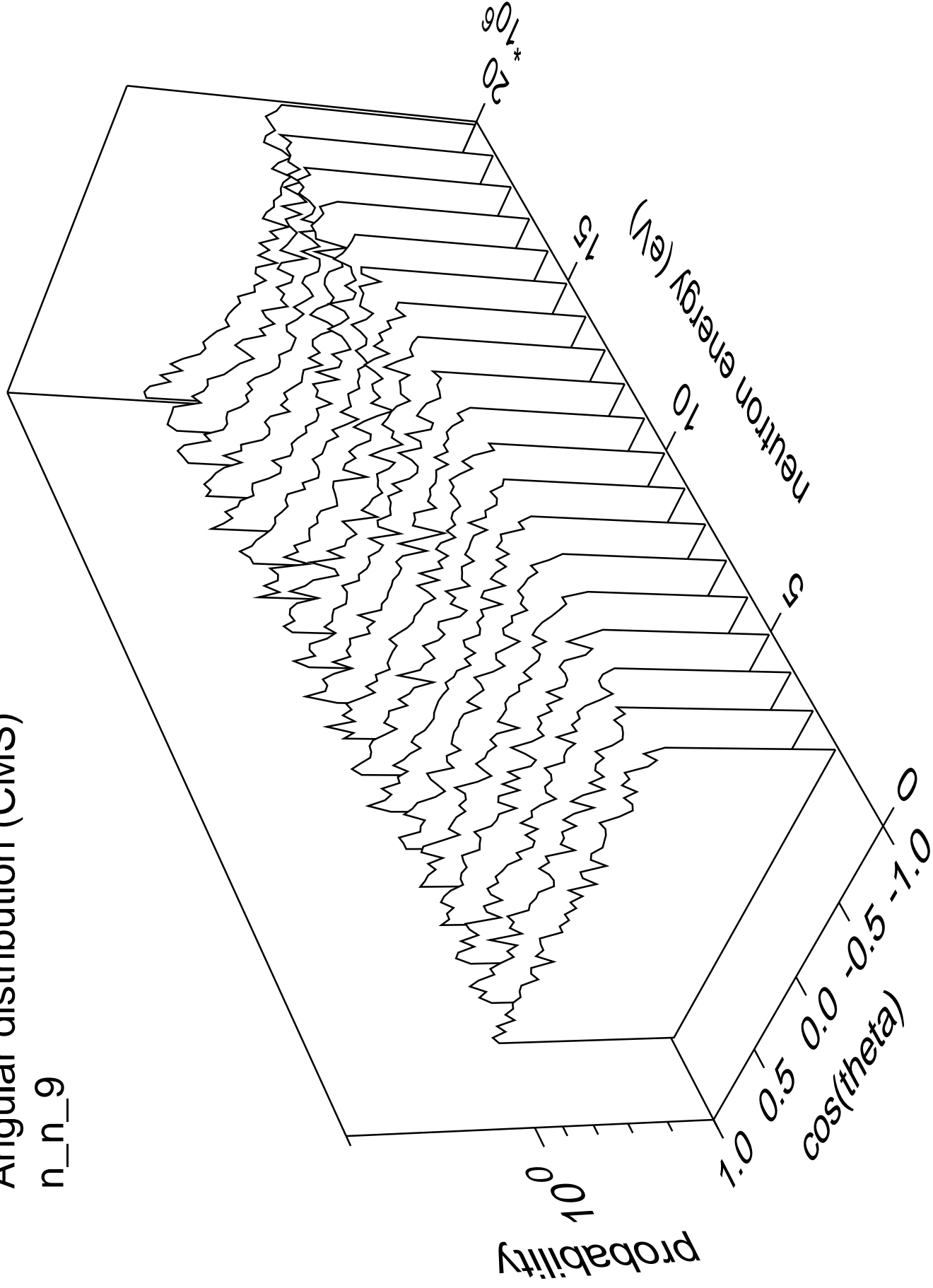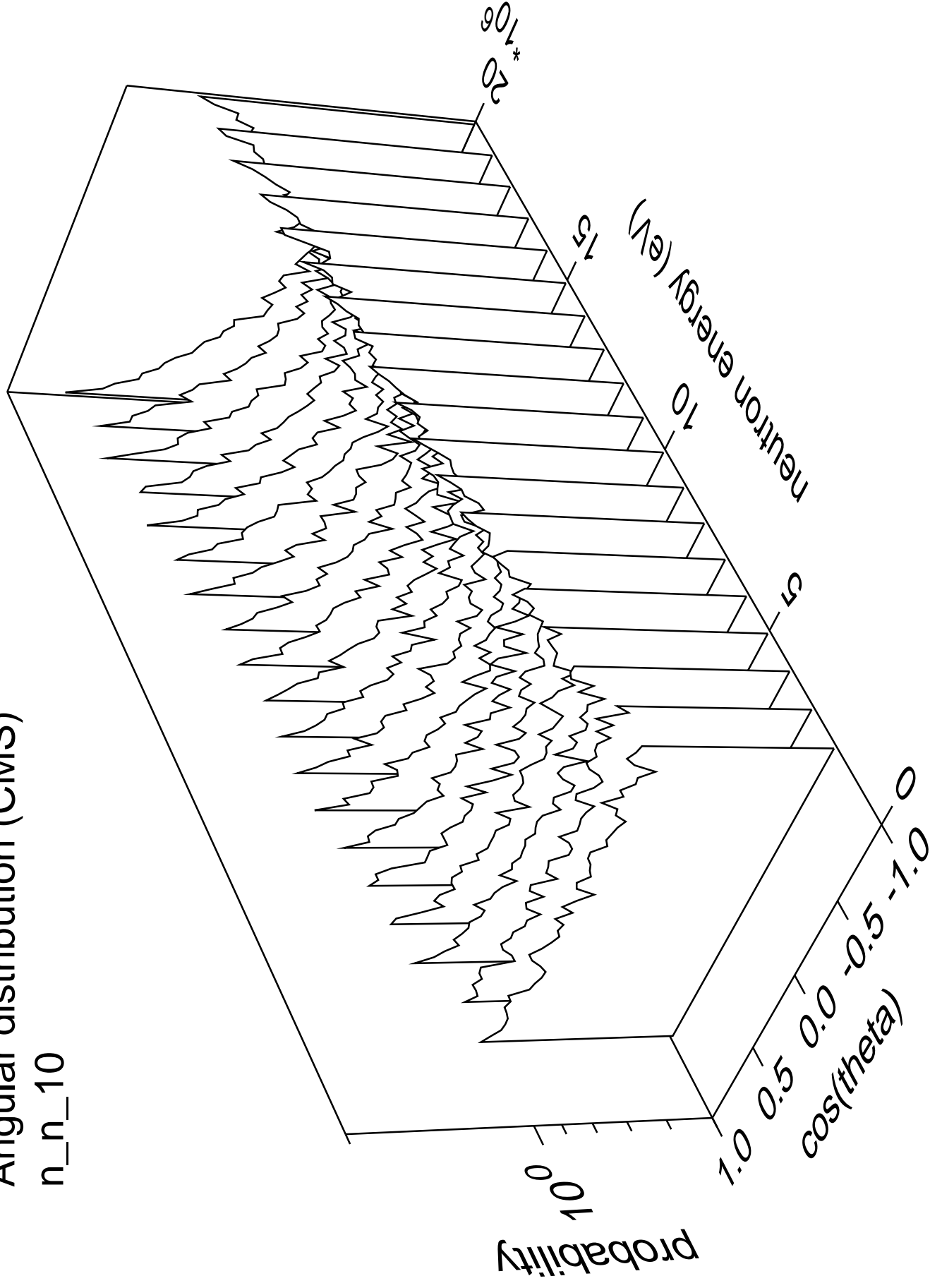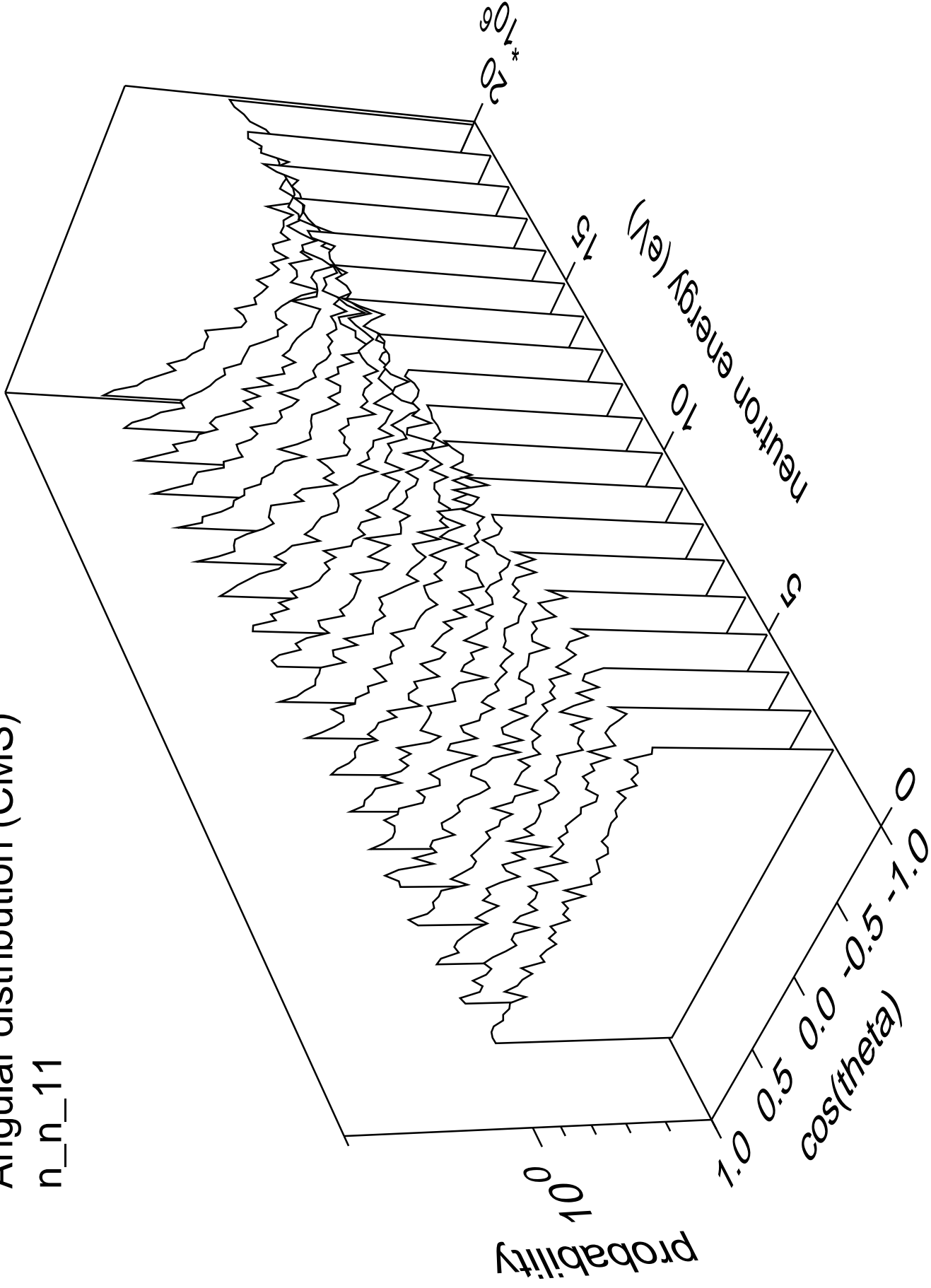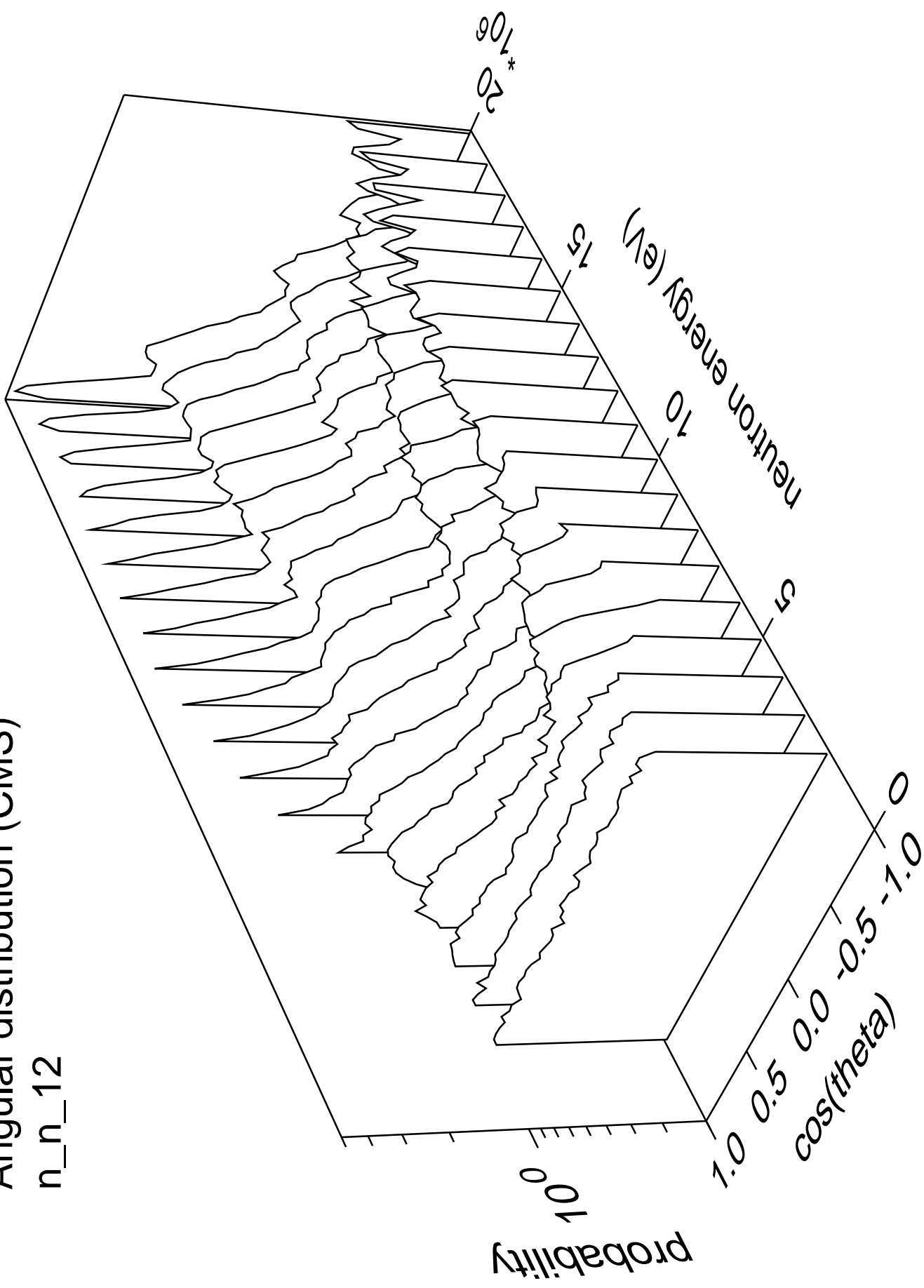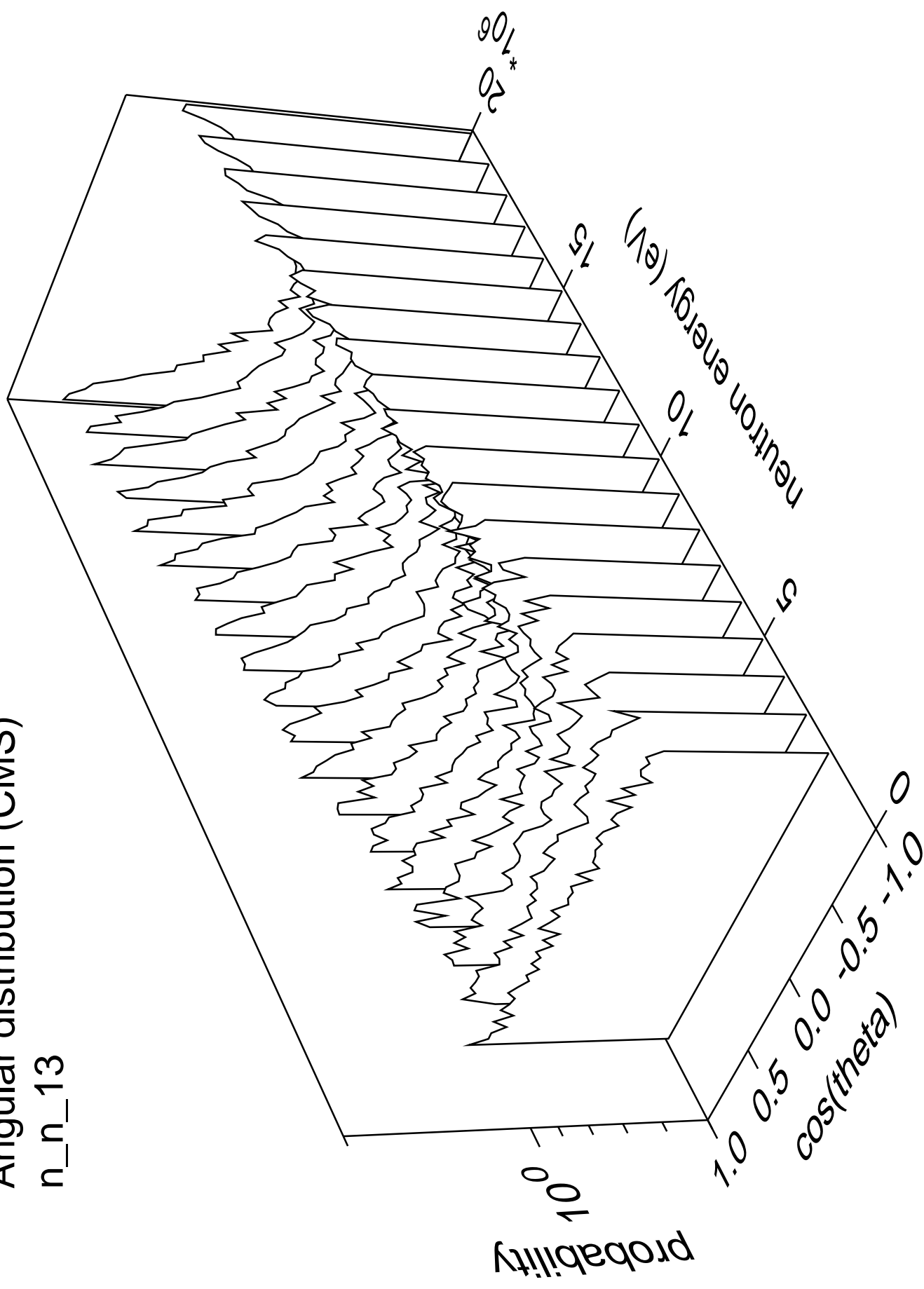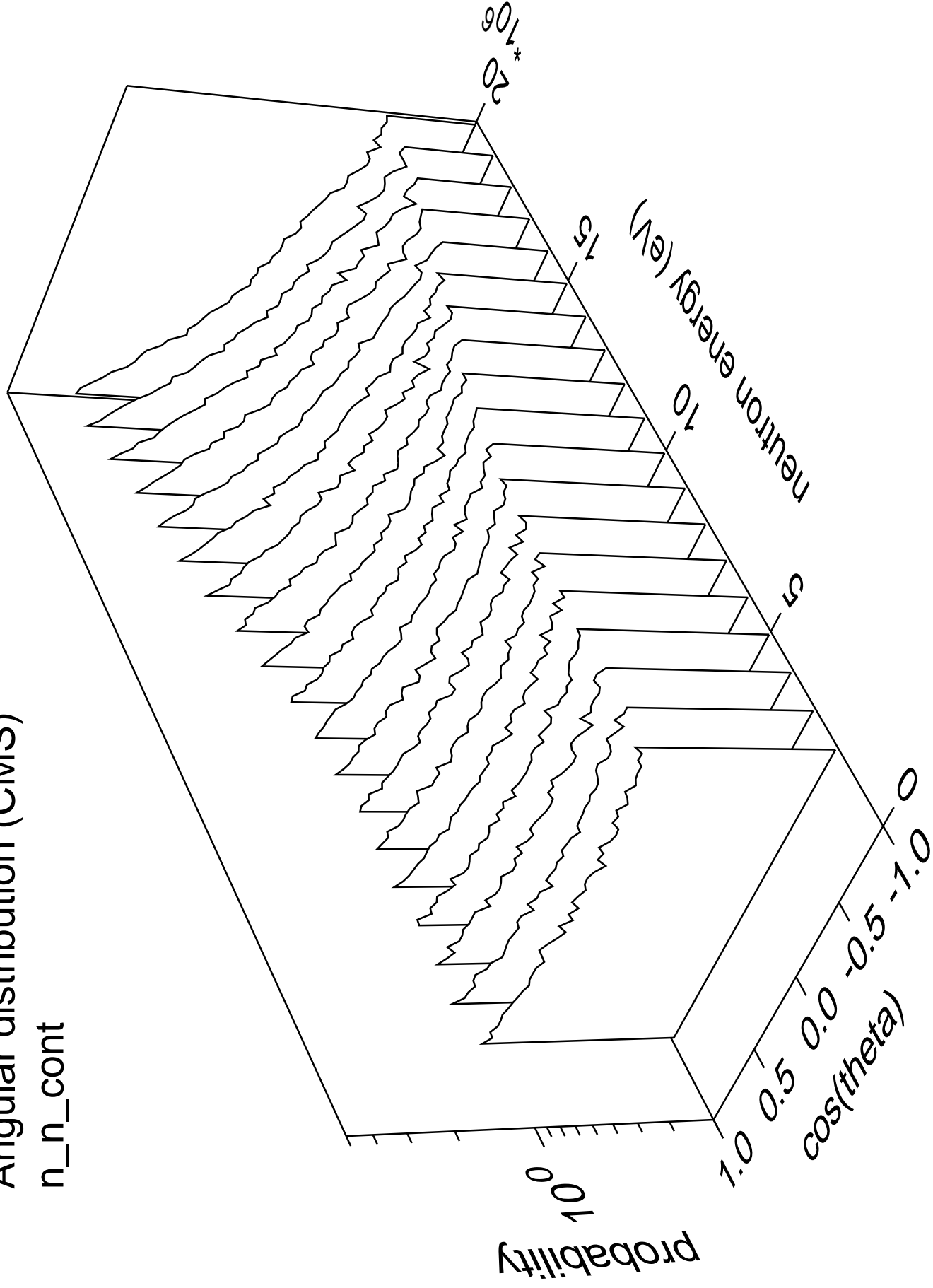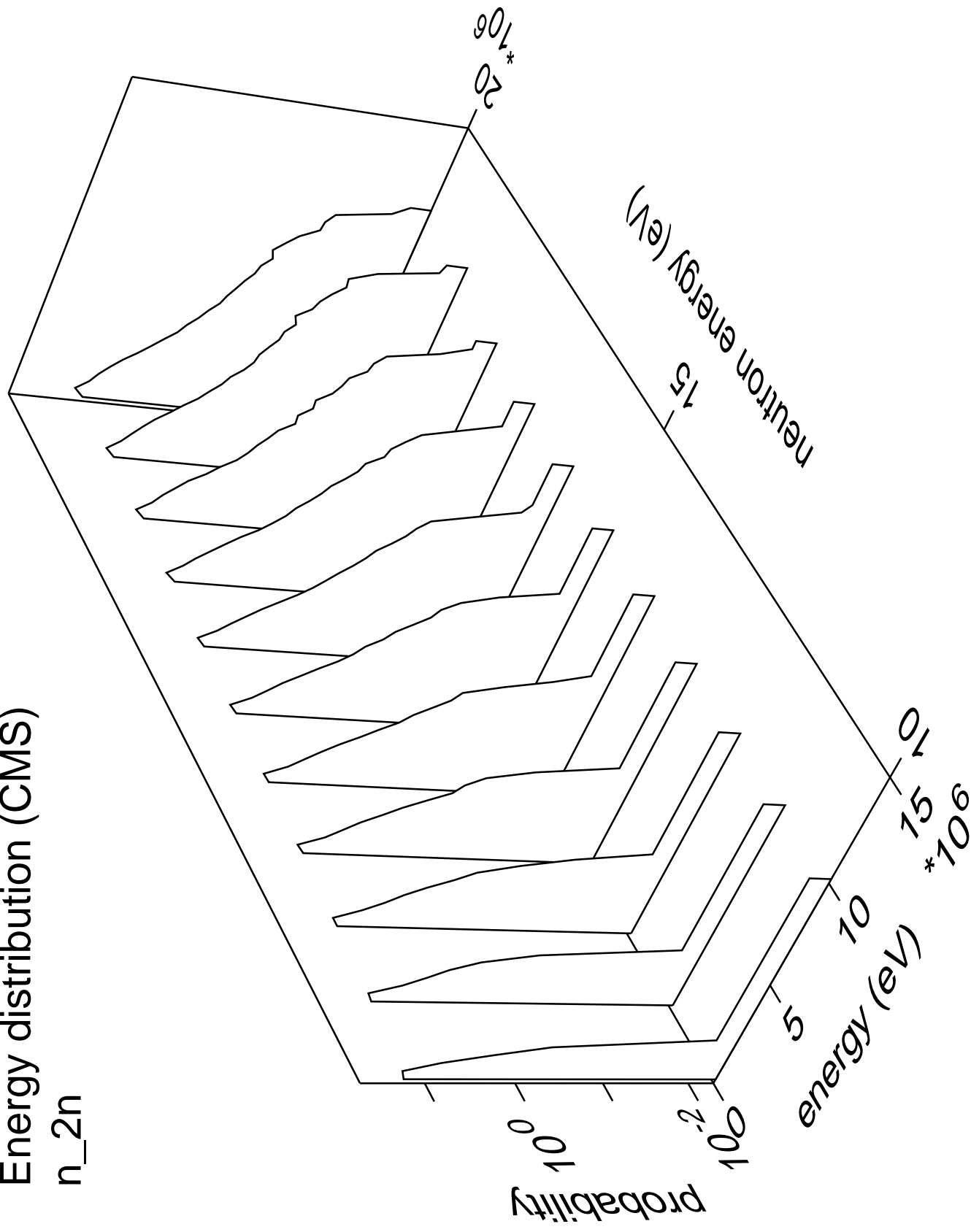
Energy distribution (CMS)
n_3n

Energy distribution (CMS)
n_na

probability

energy (eV)

neutron energy (eV)

Energy distribution (CMS)
n_np

probability

energy (eV)

neutron energy (eV)

Energy distribution (CMS)
n_n_cont

neutron energy (eV)

energy (eV)   *10⁶

probability