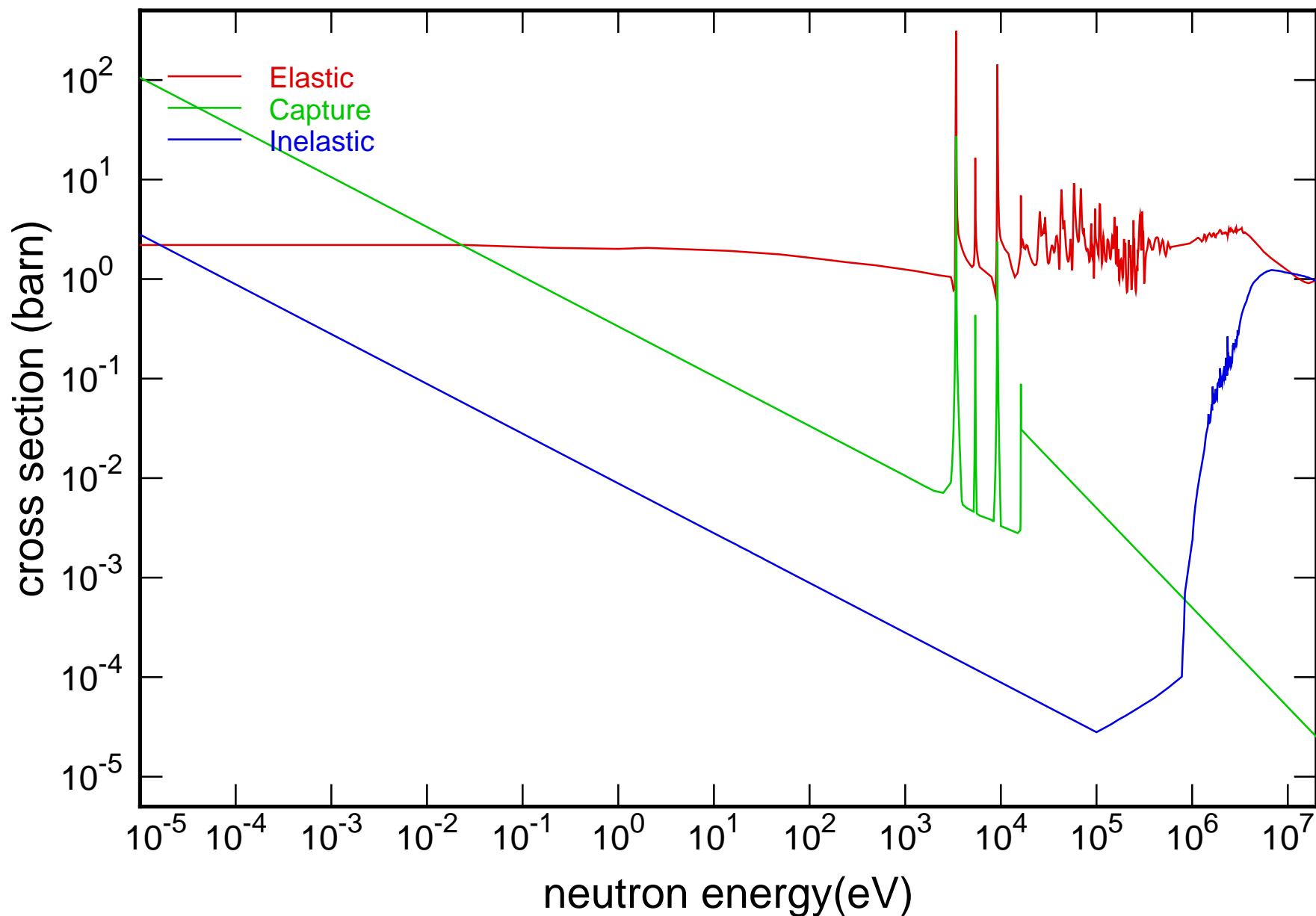
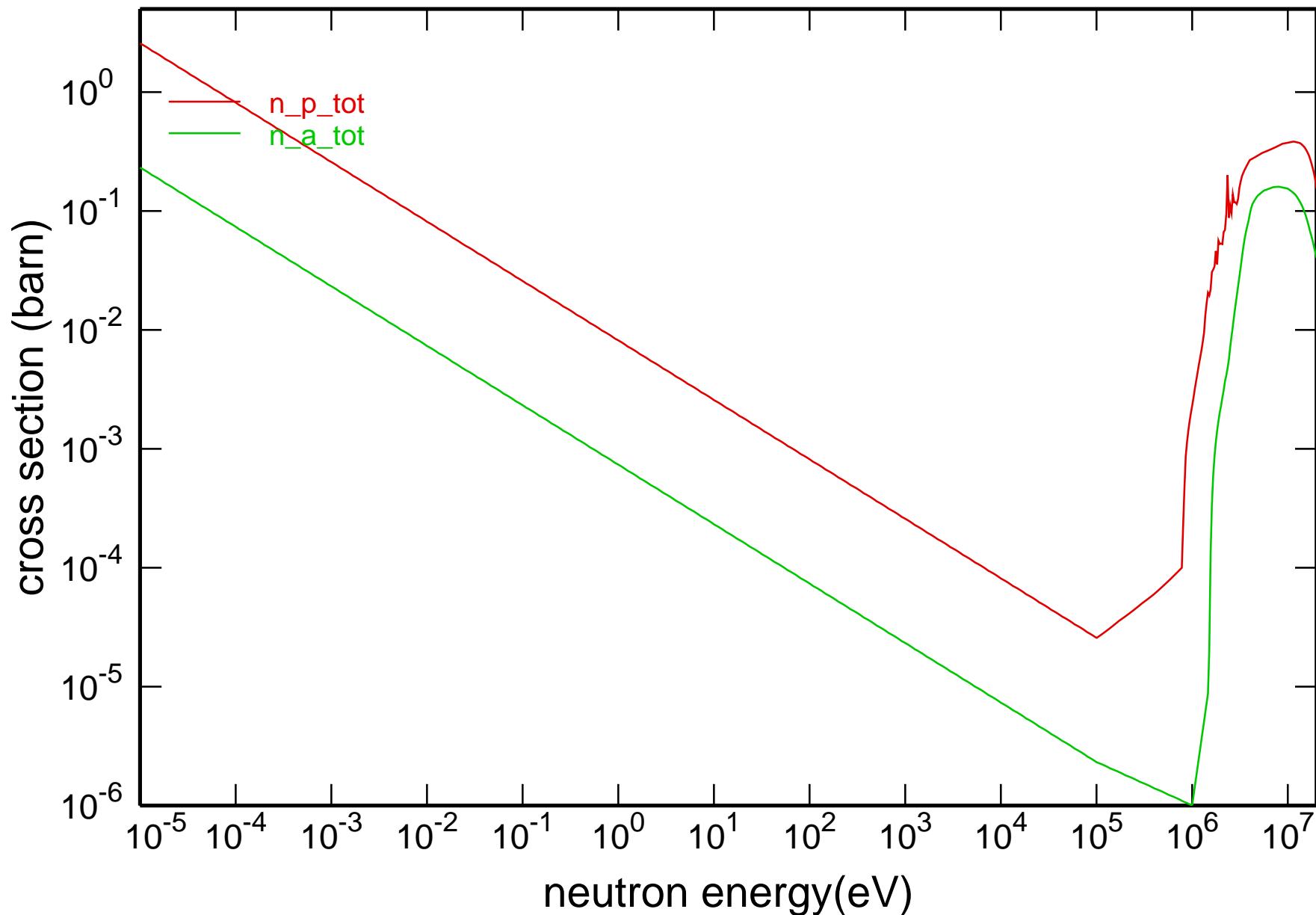


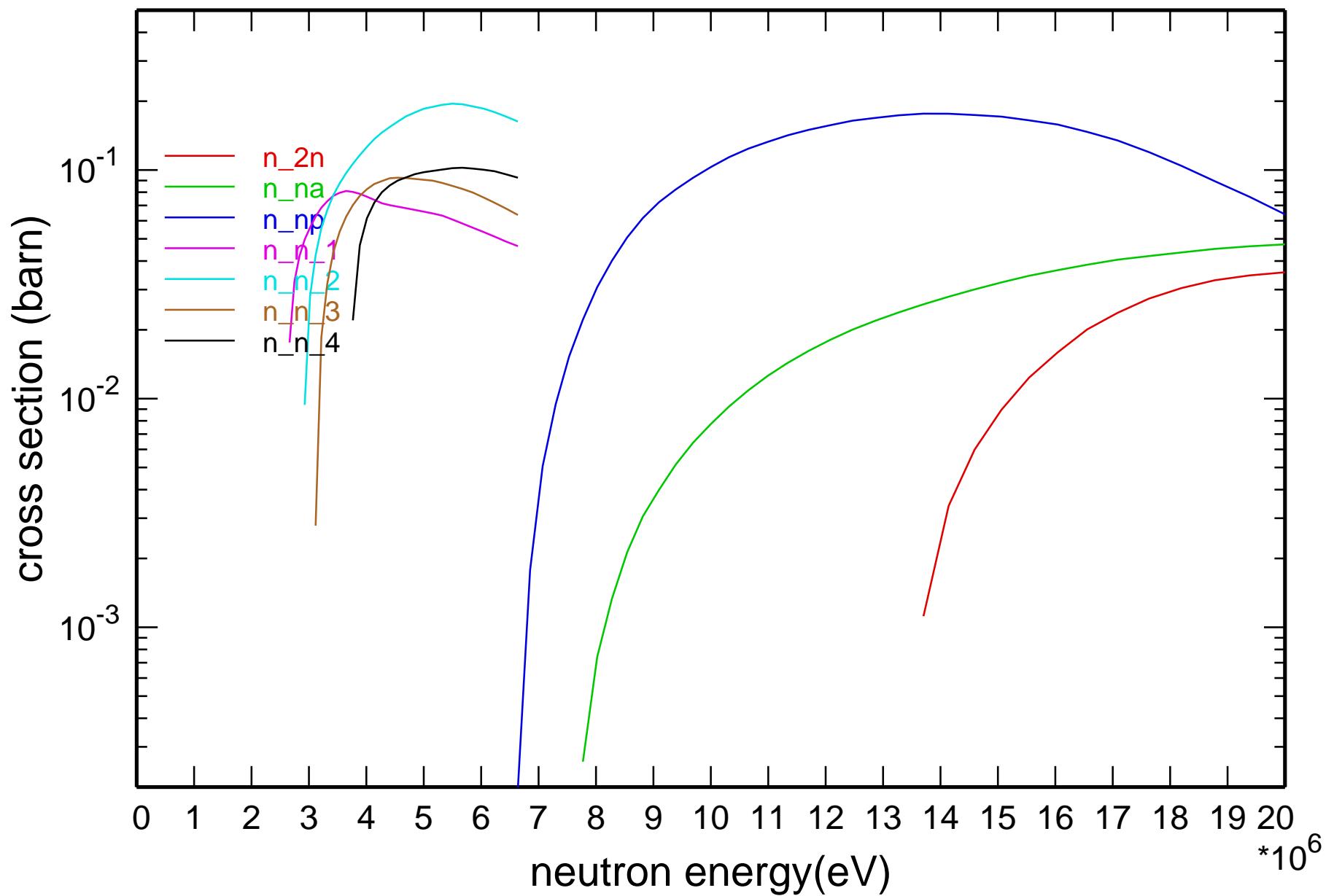
## Main Cross Sections

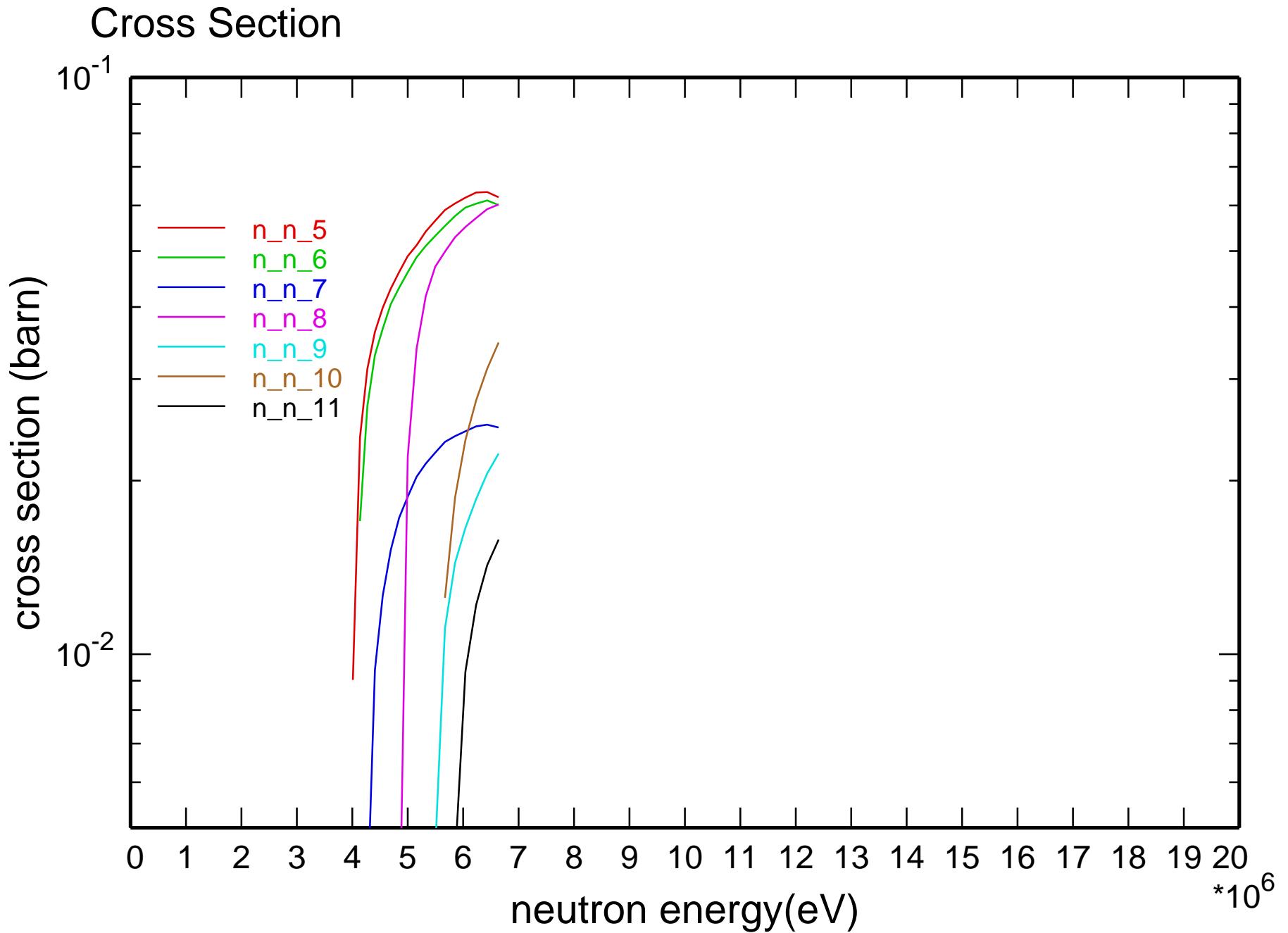


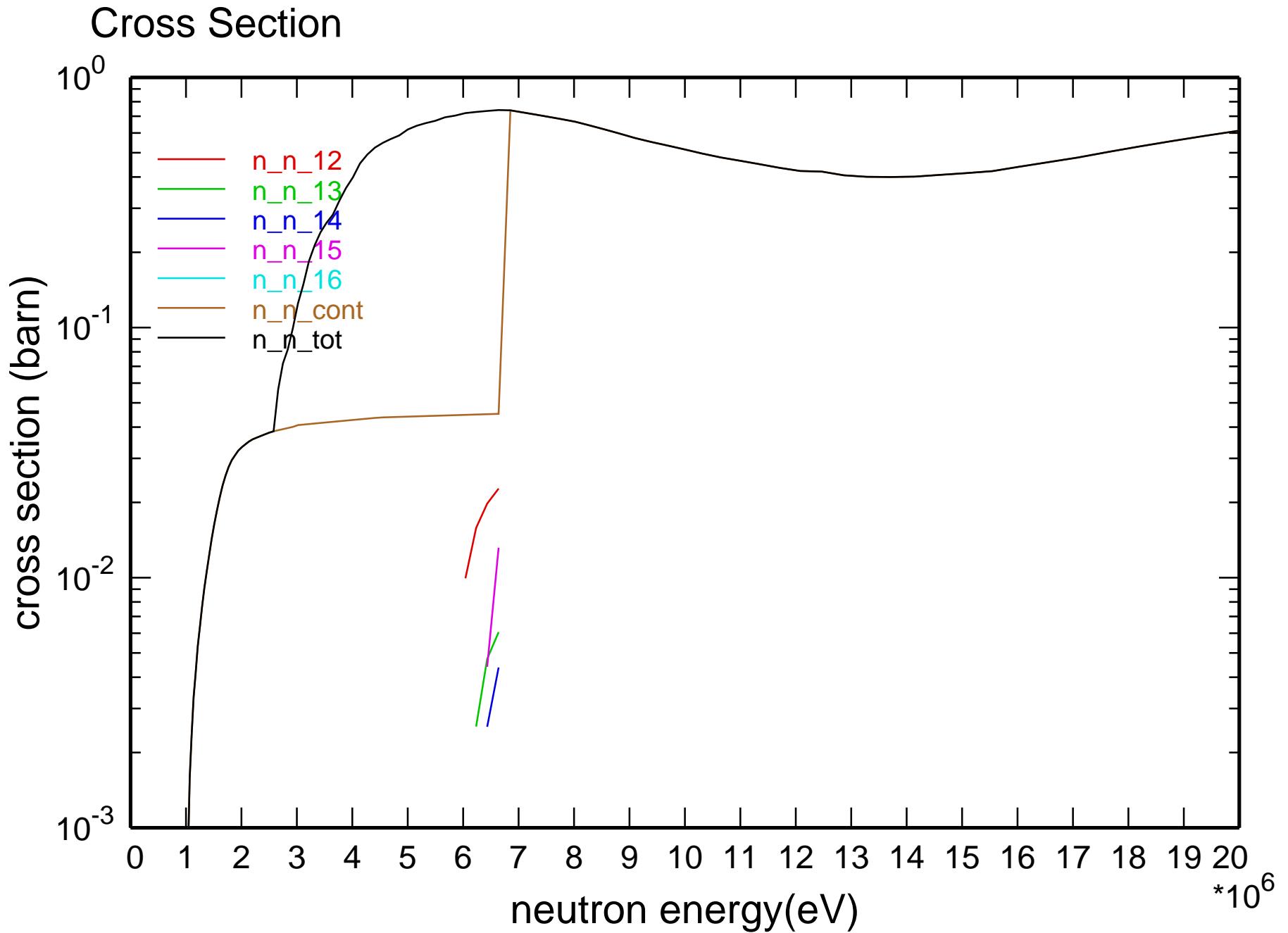
# Cross Section



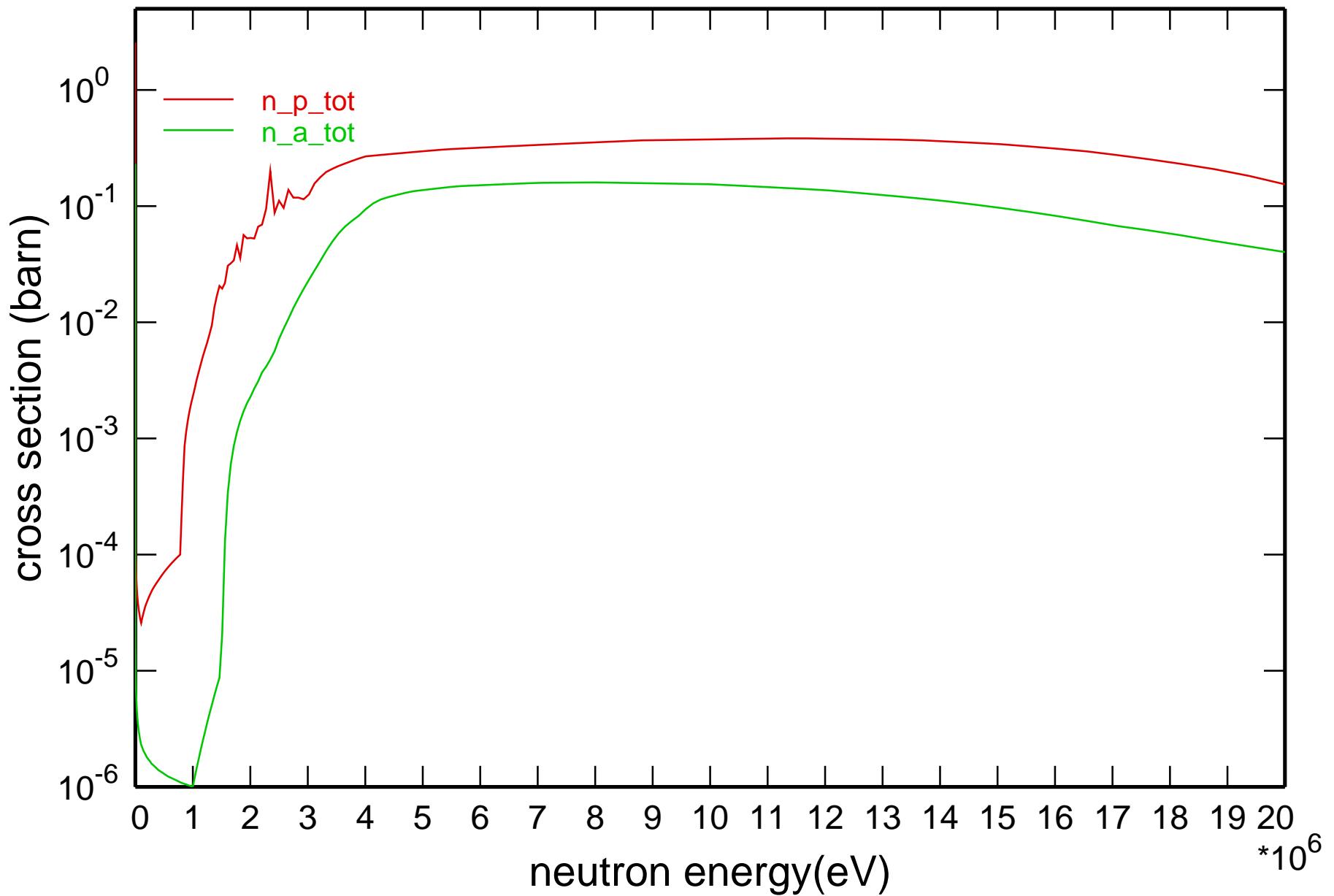
# Cross Section

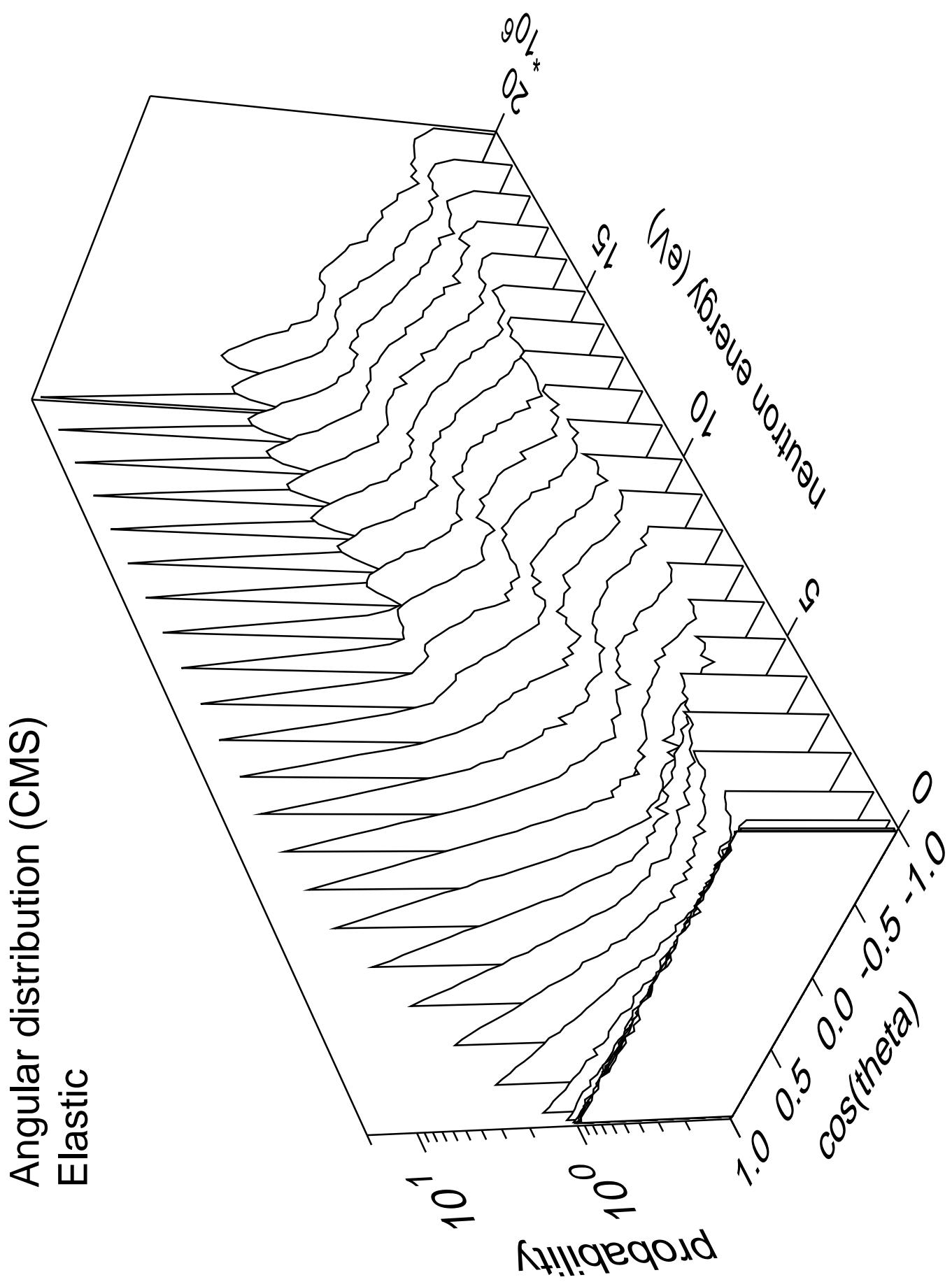


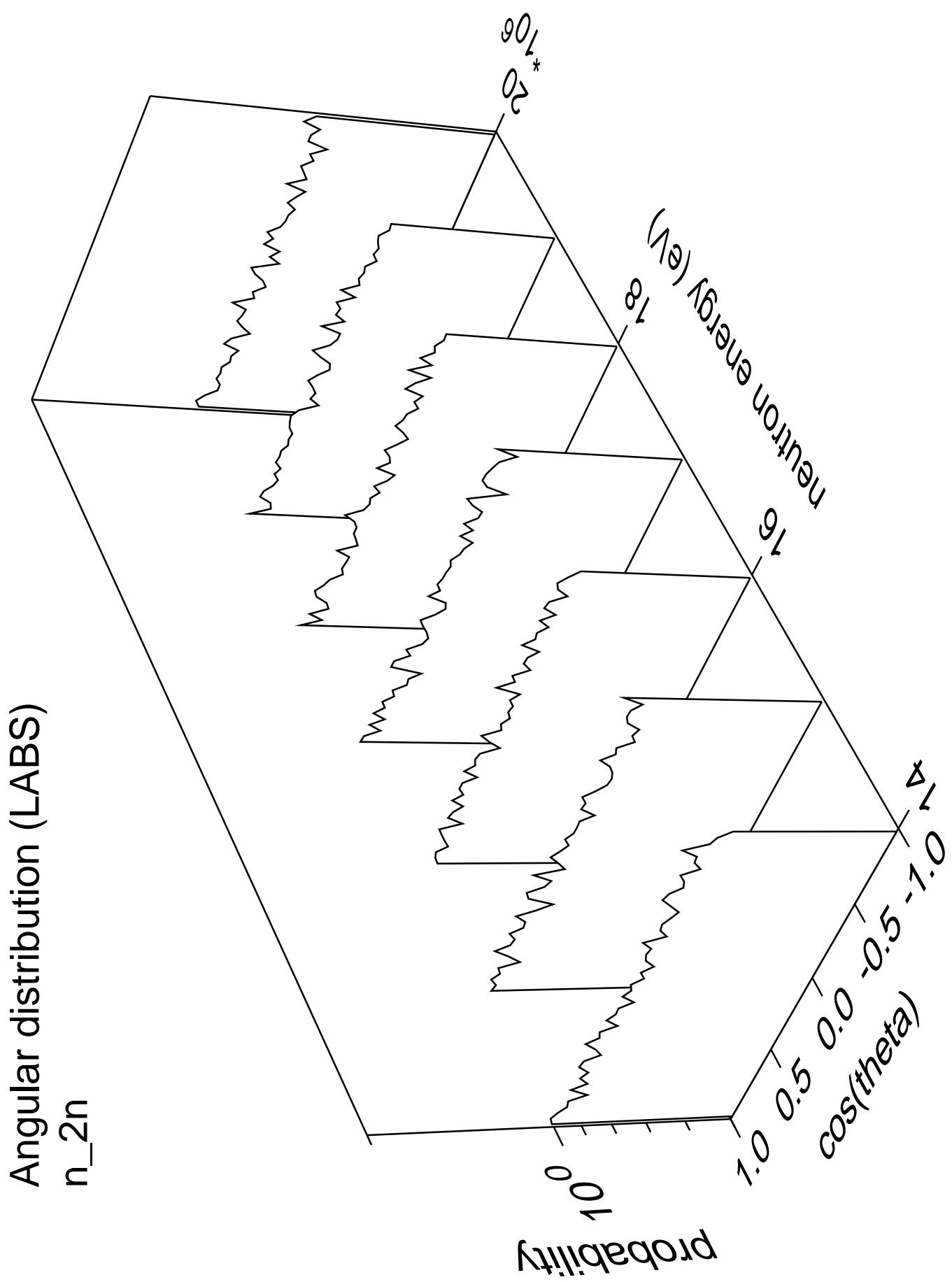


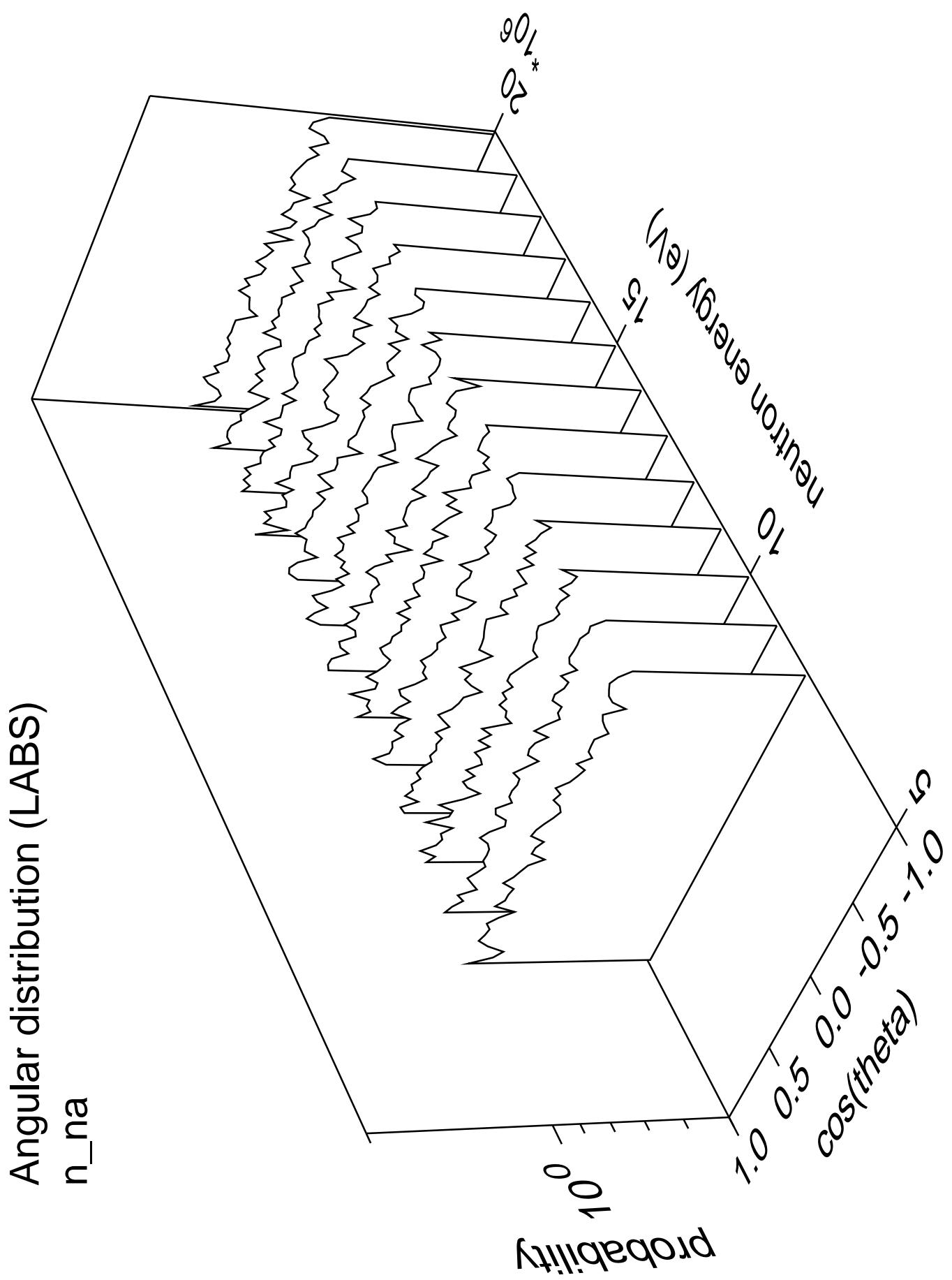


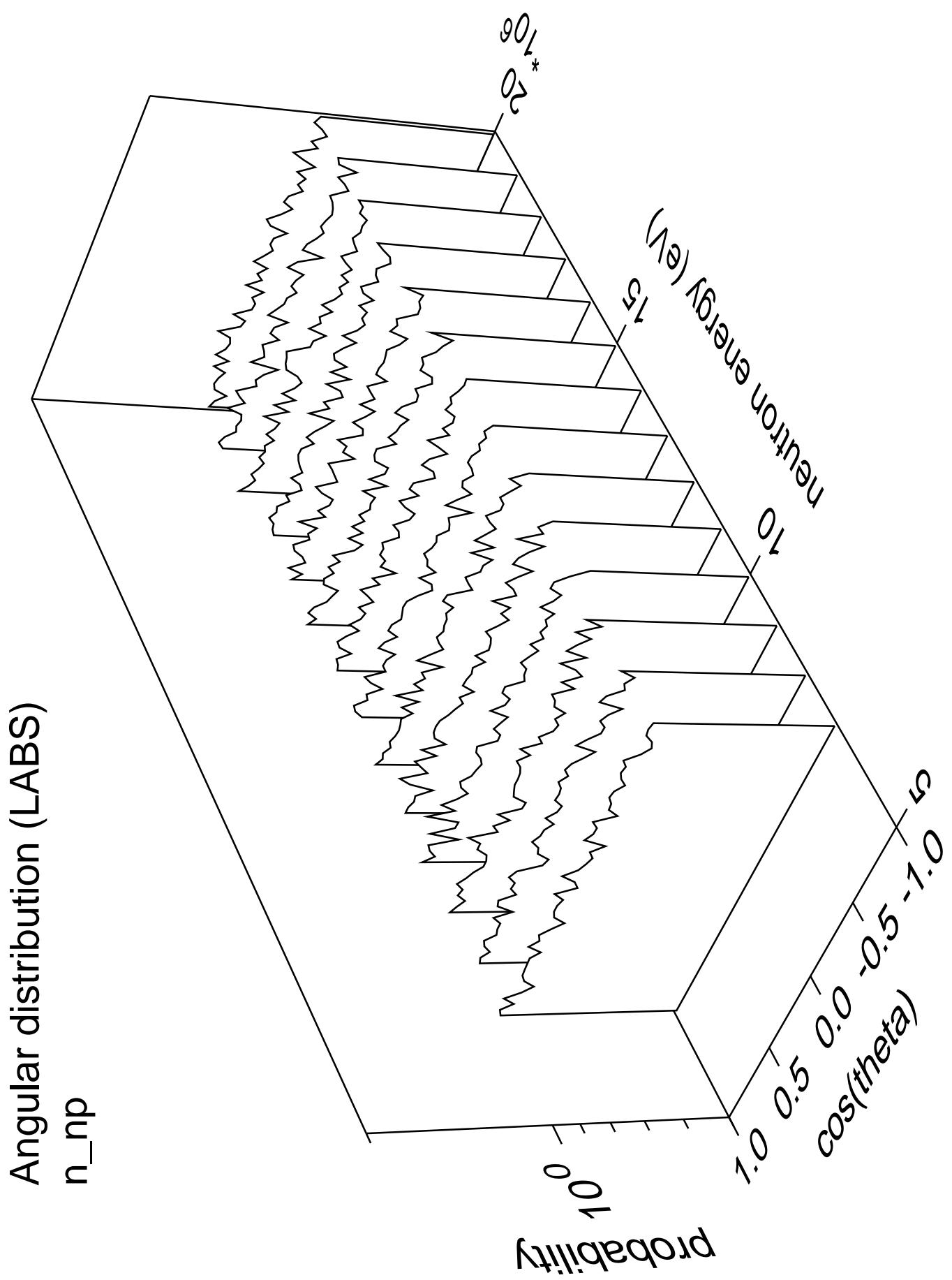
## Cross Section

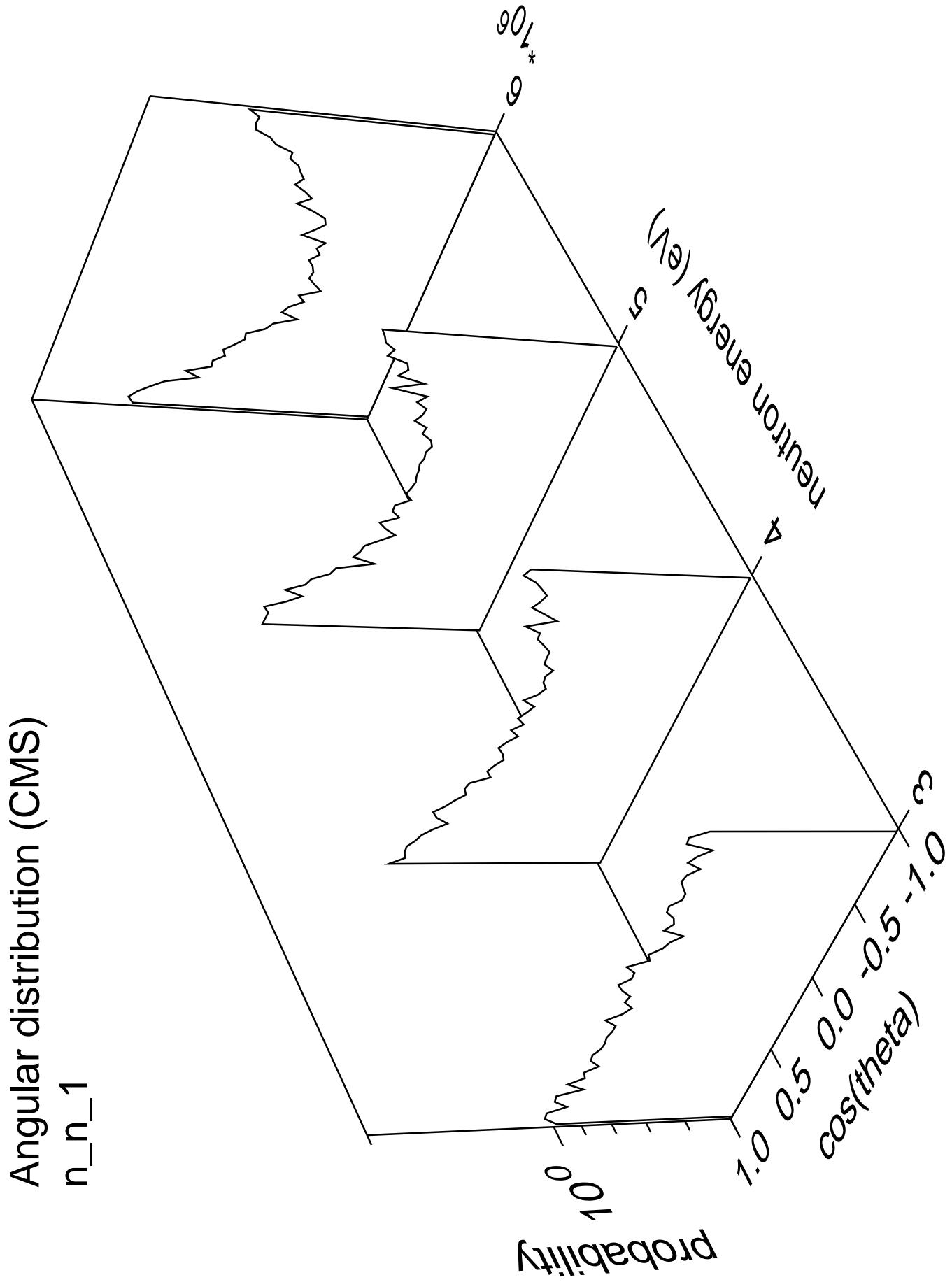


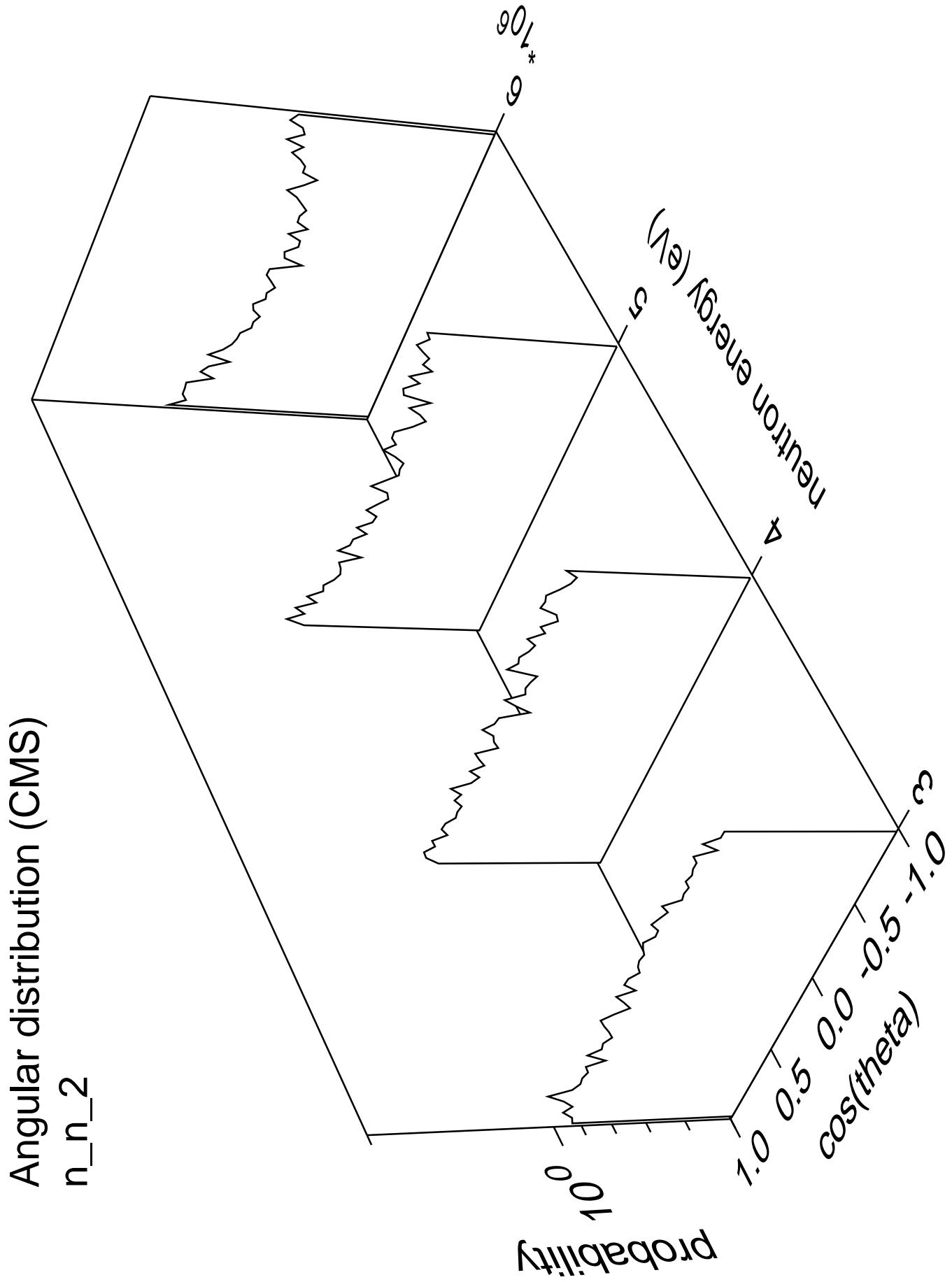


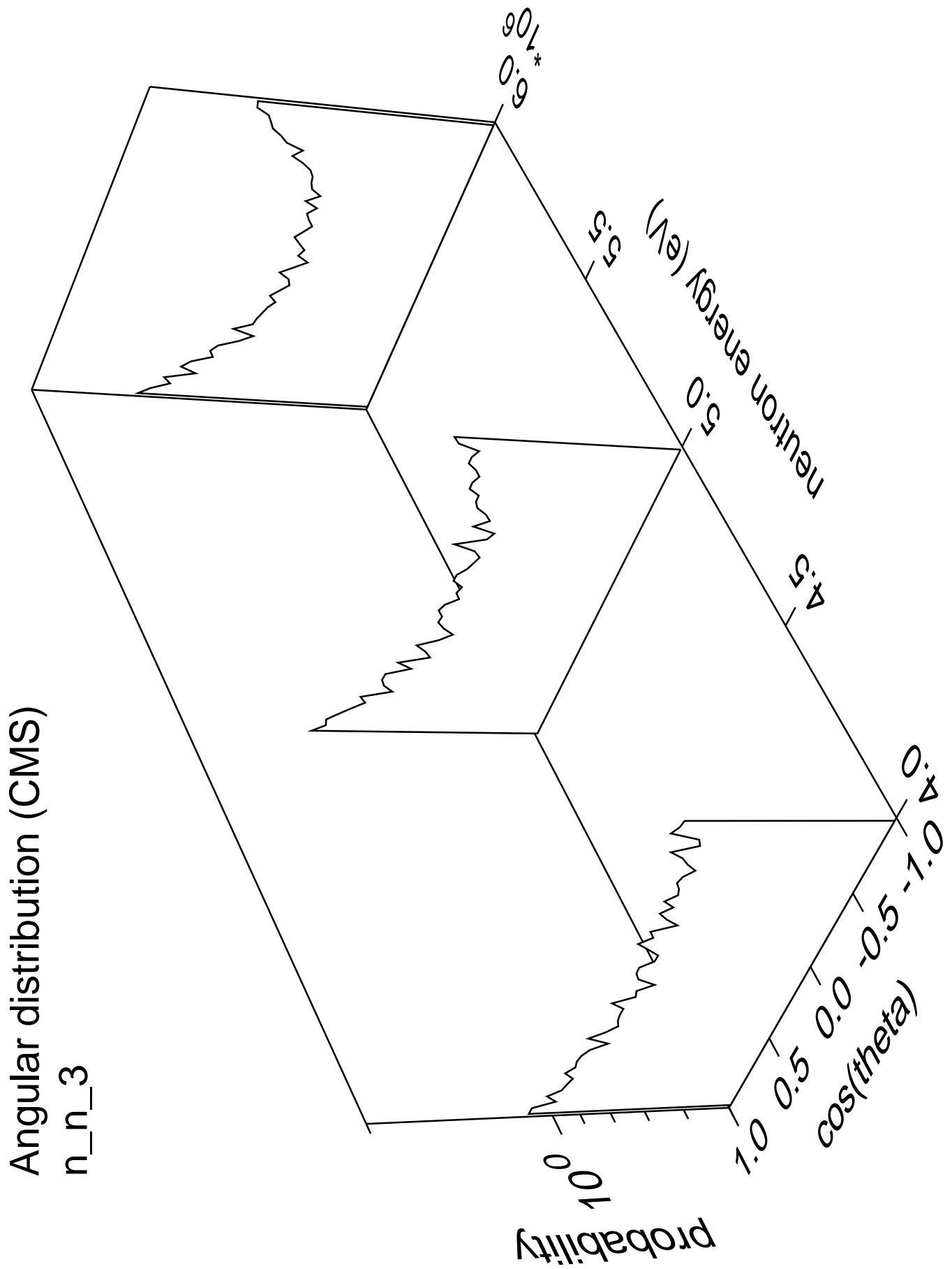


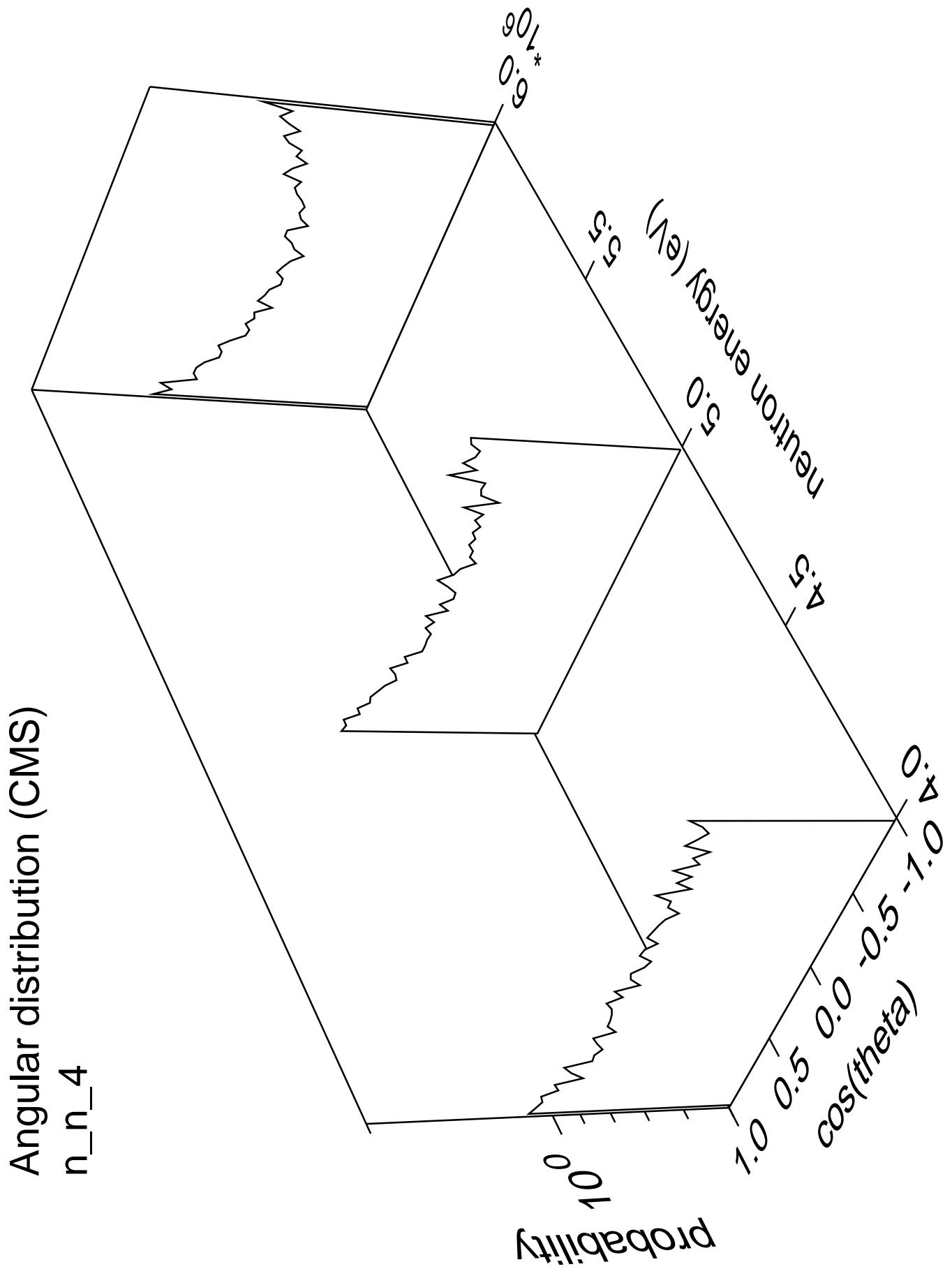


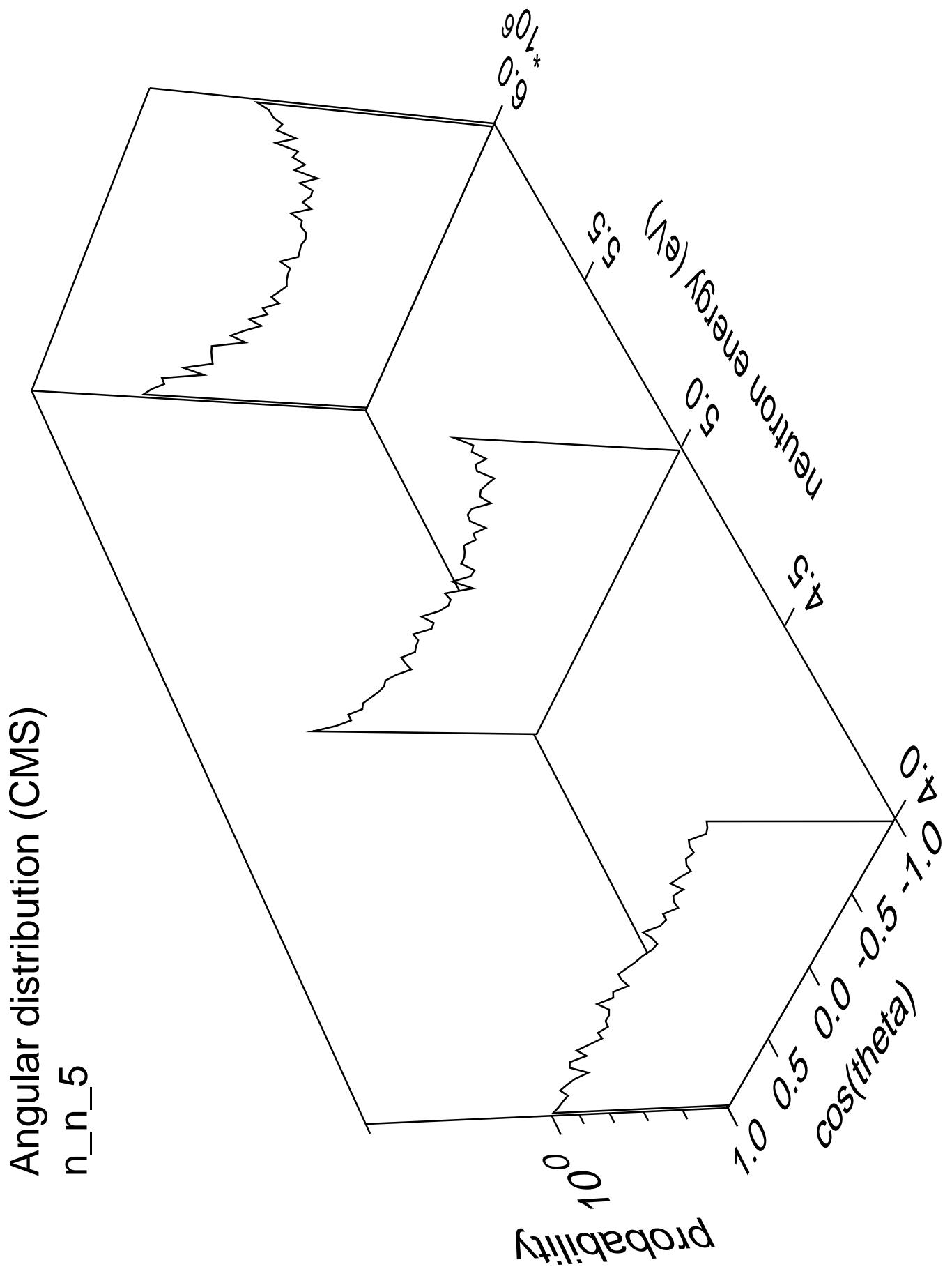


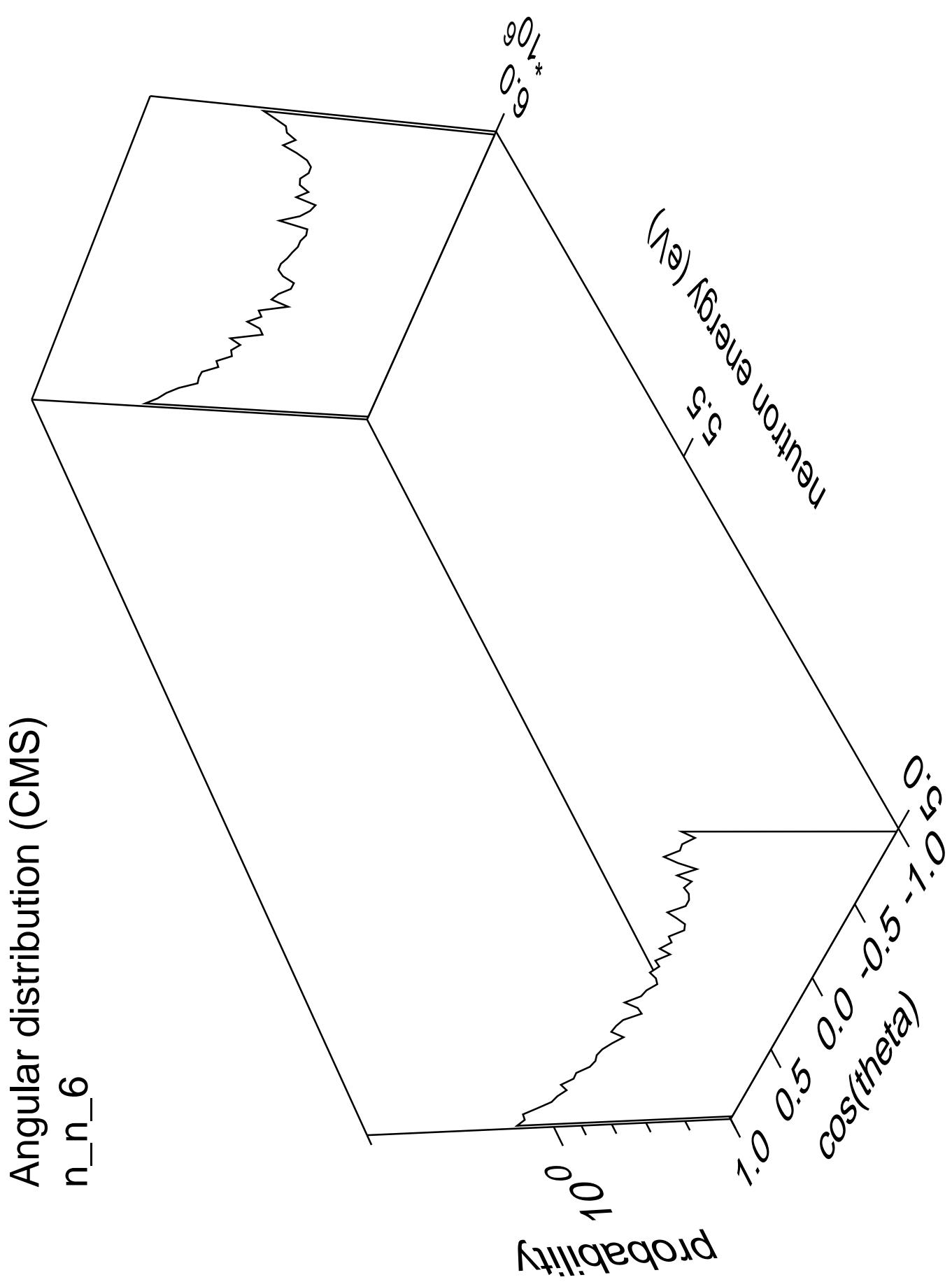


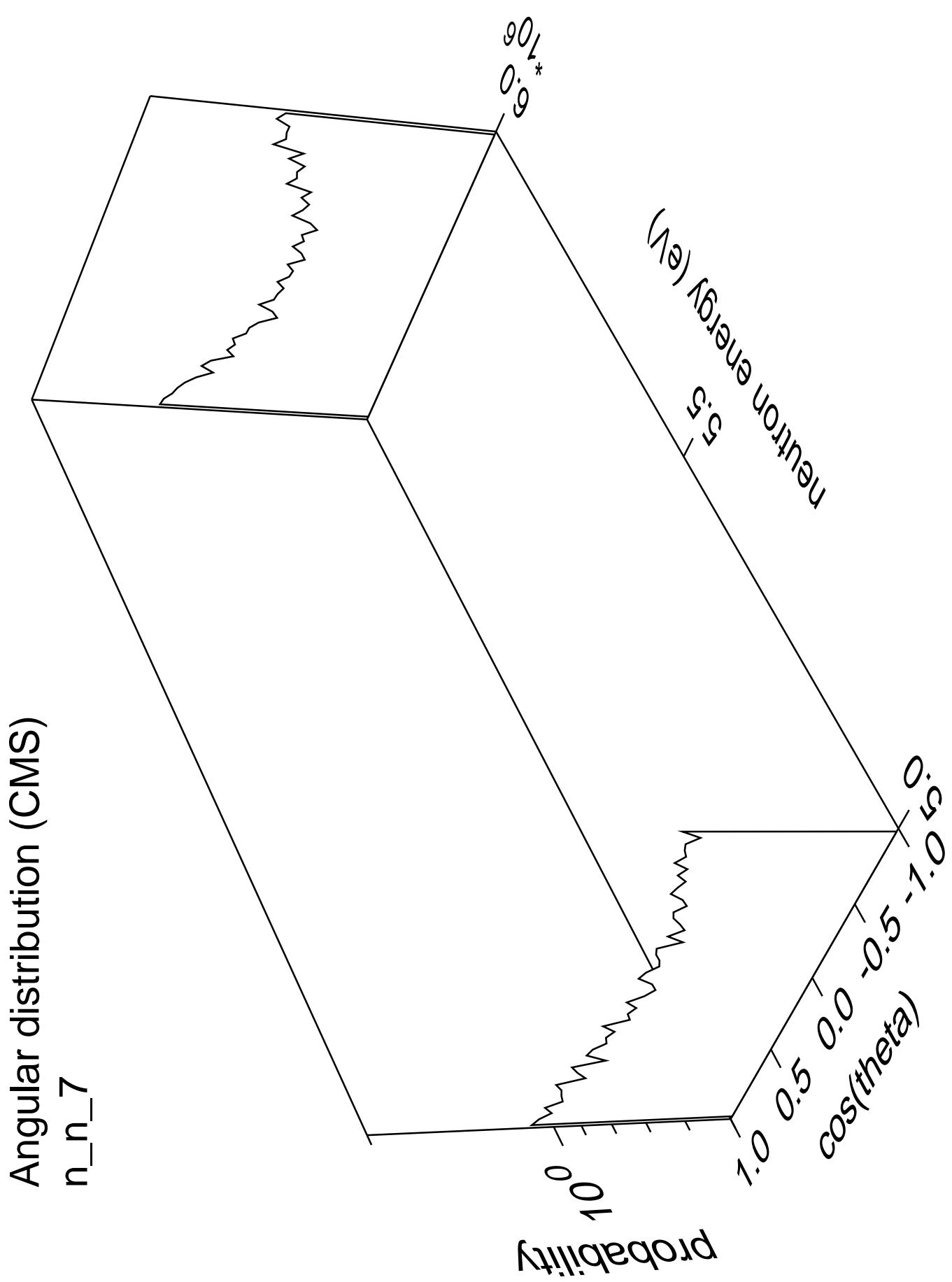


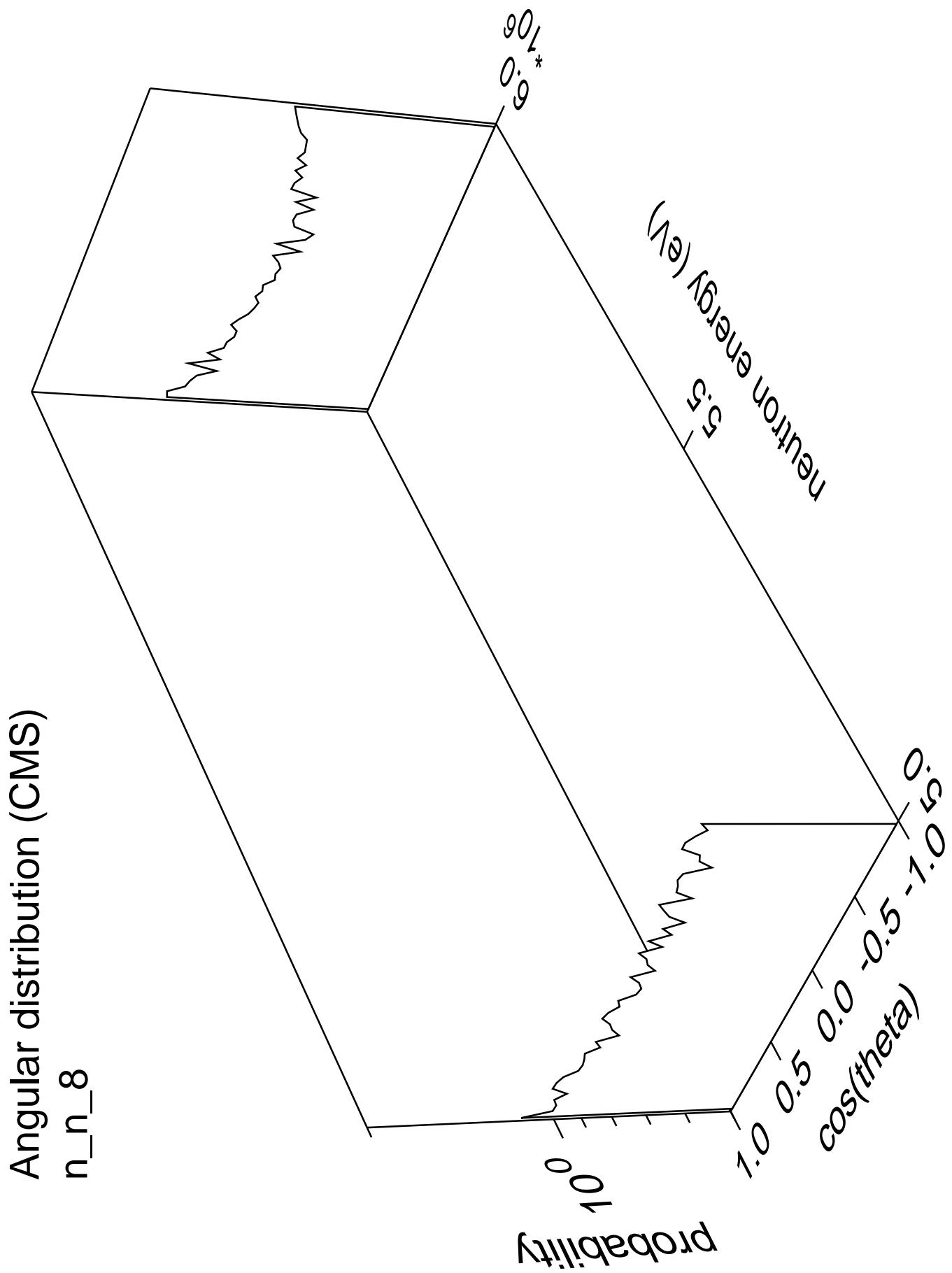


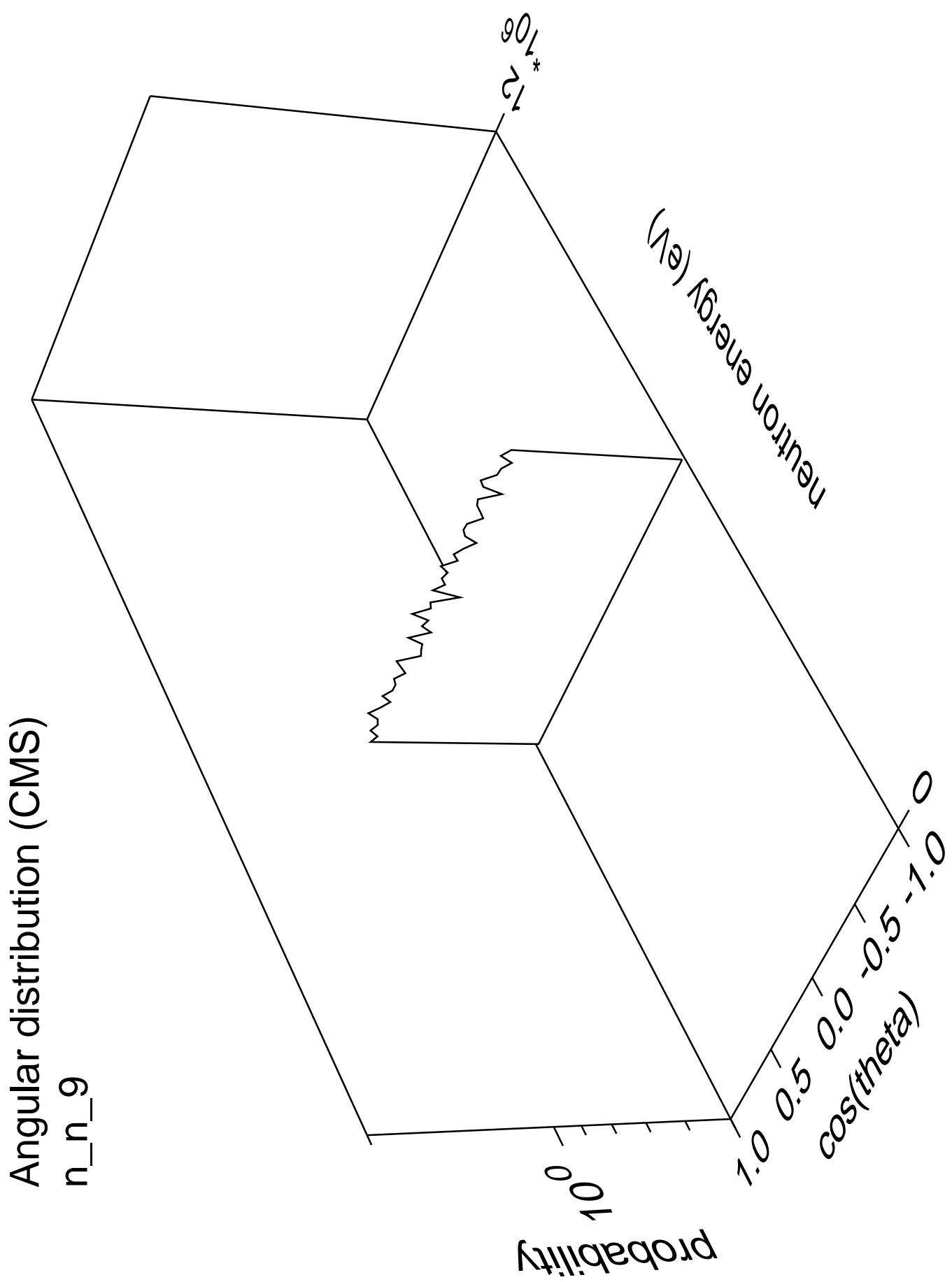


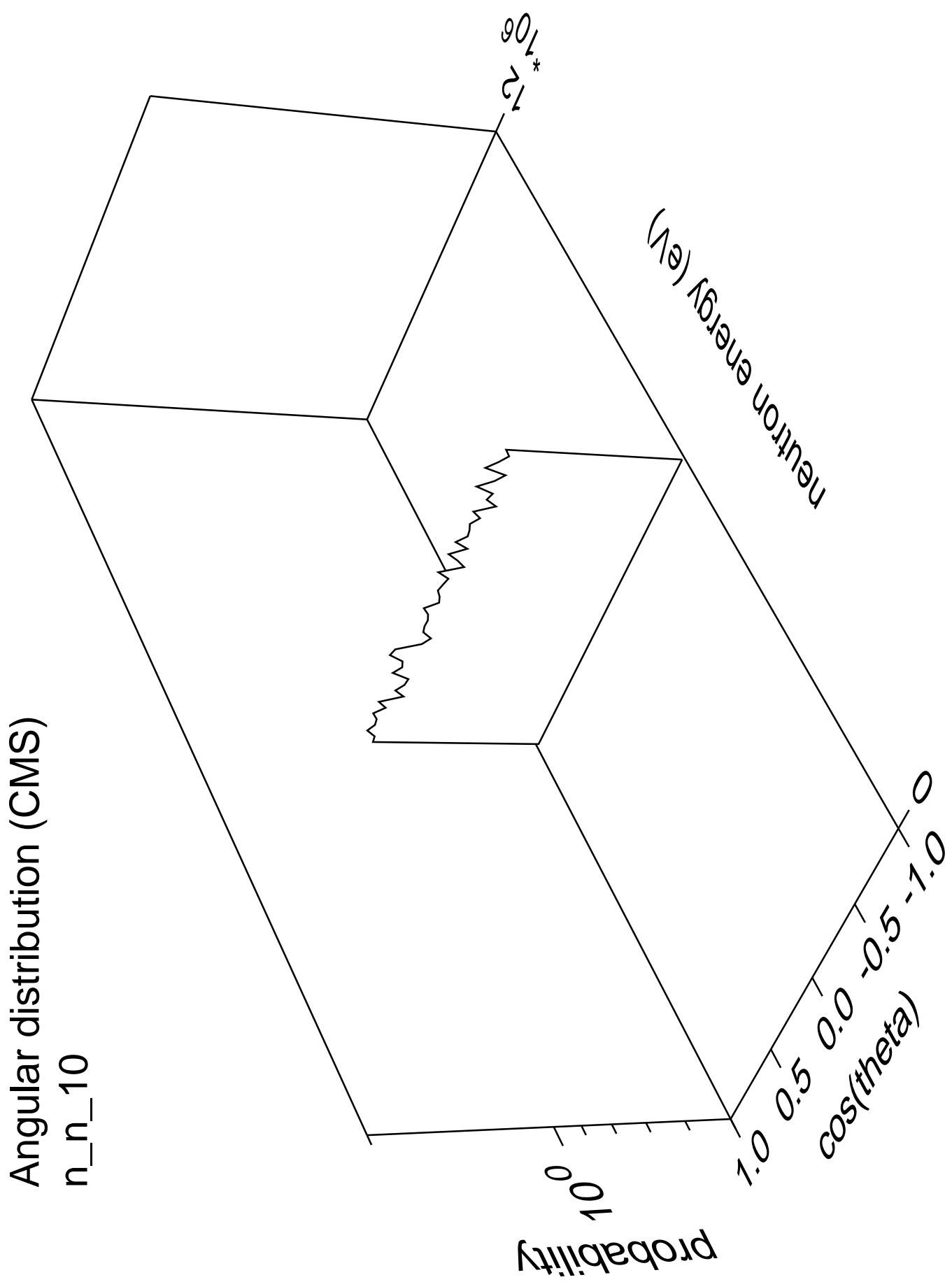


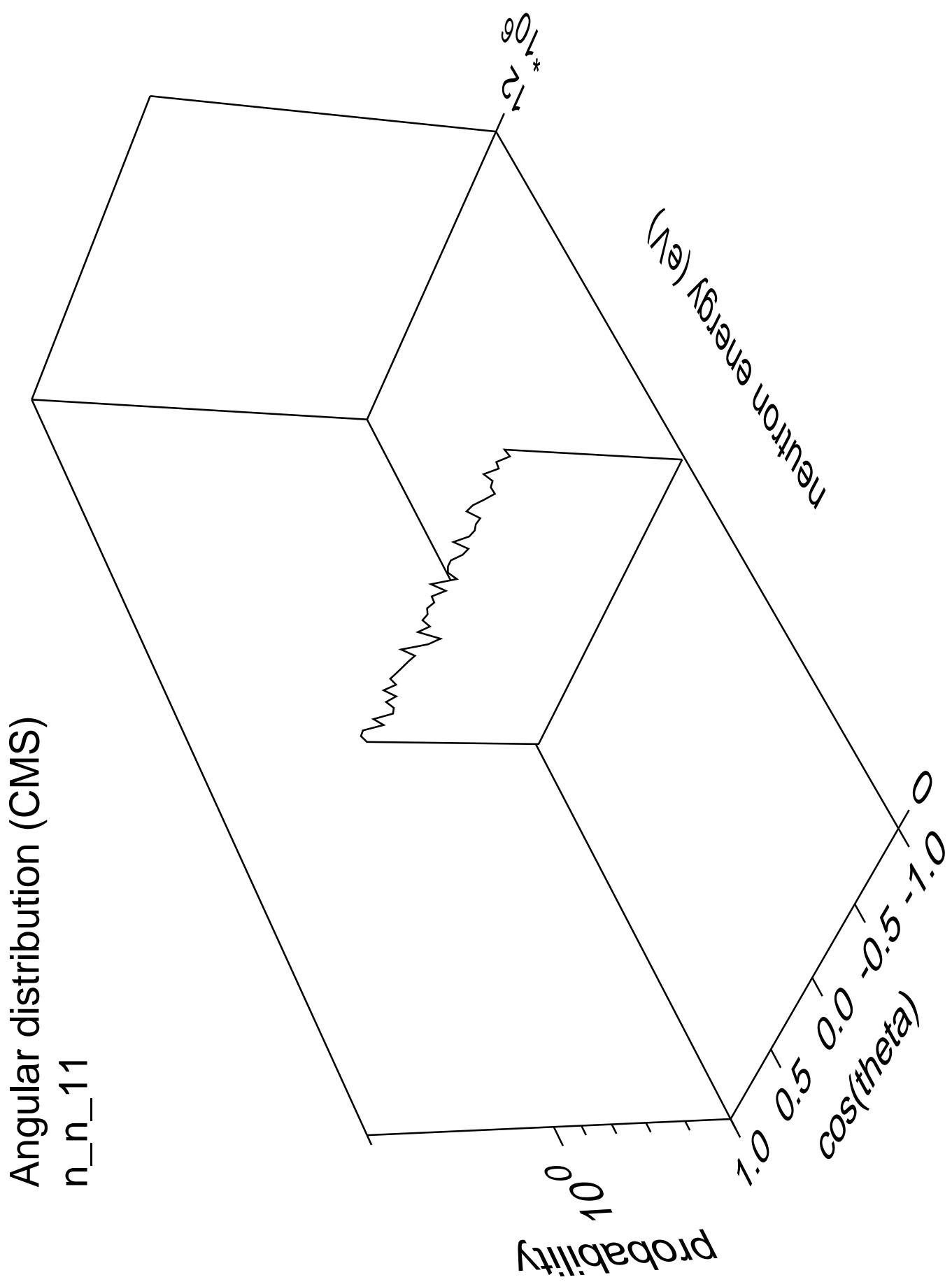


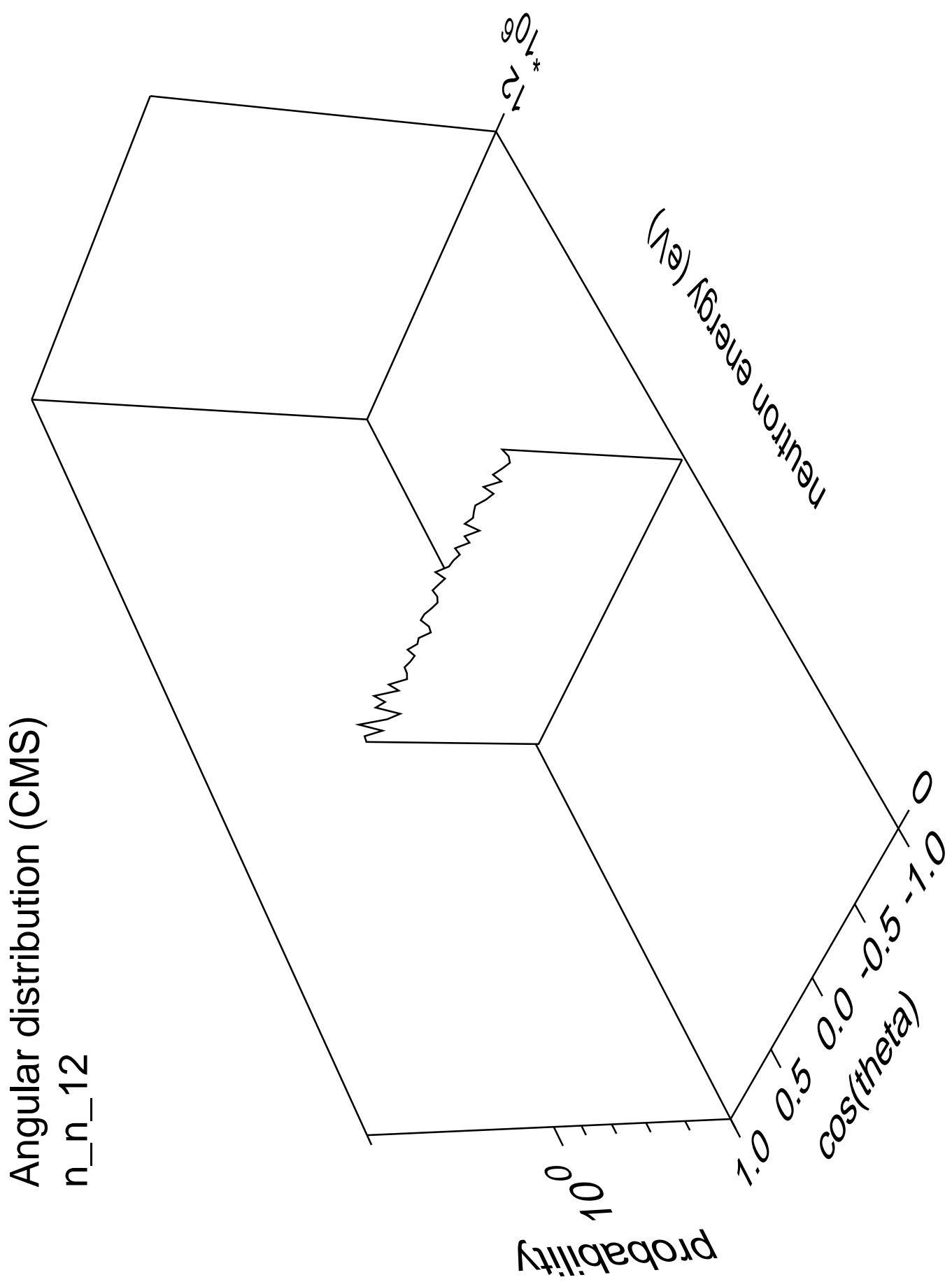


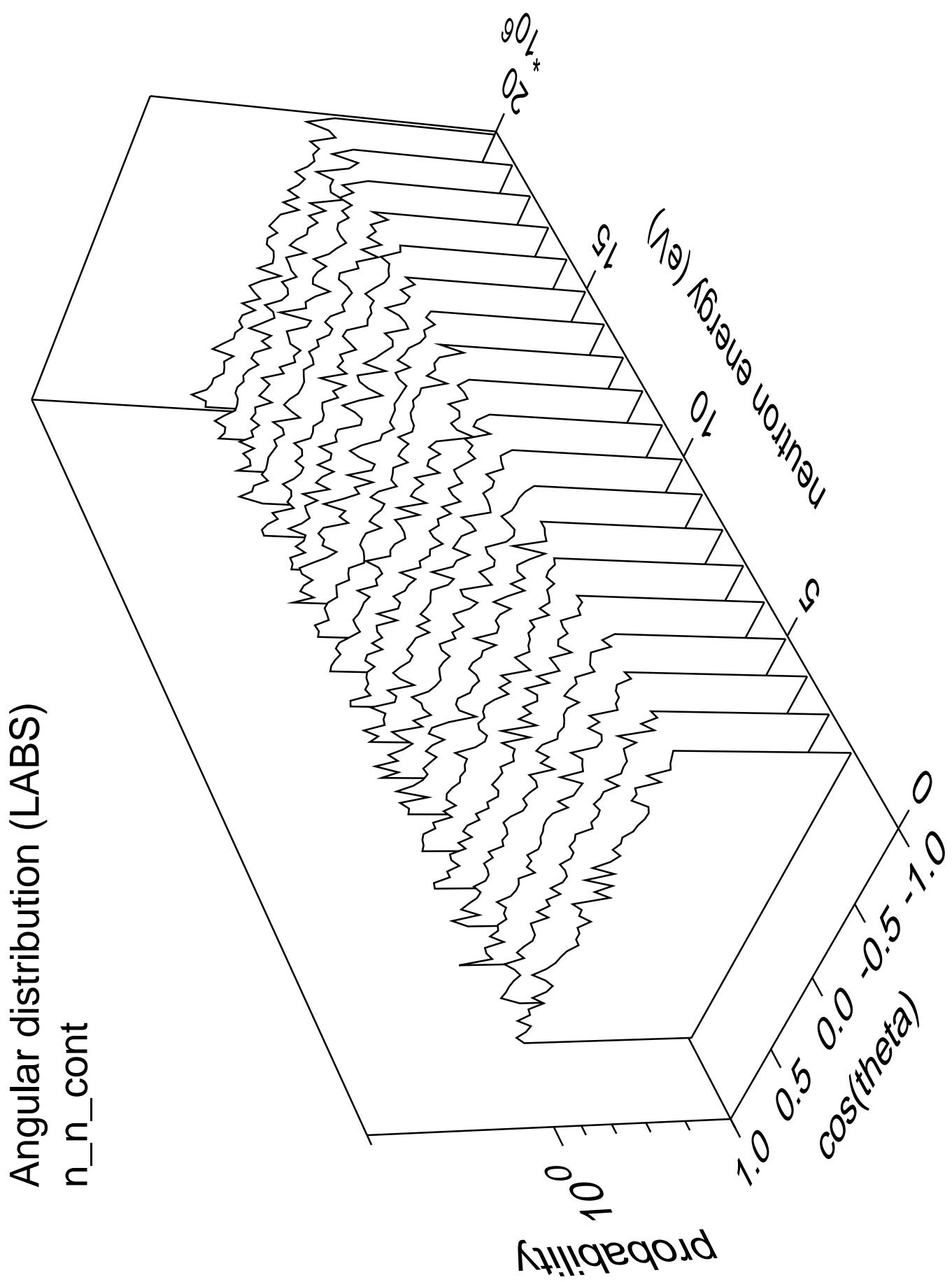


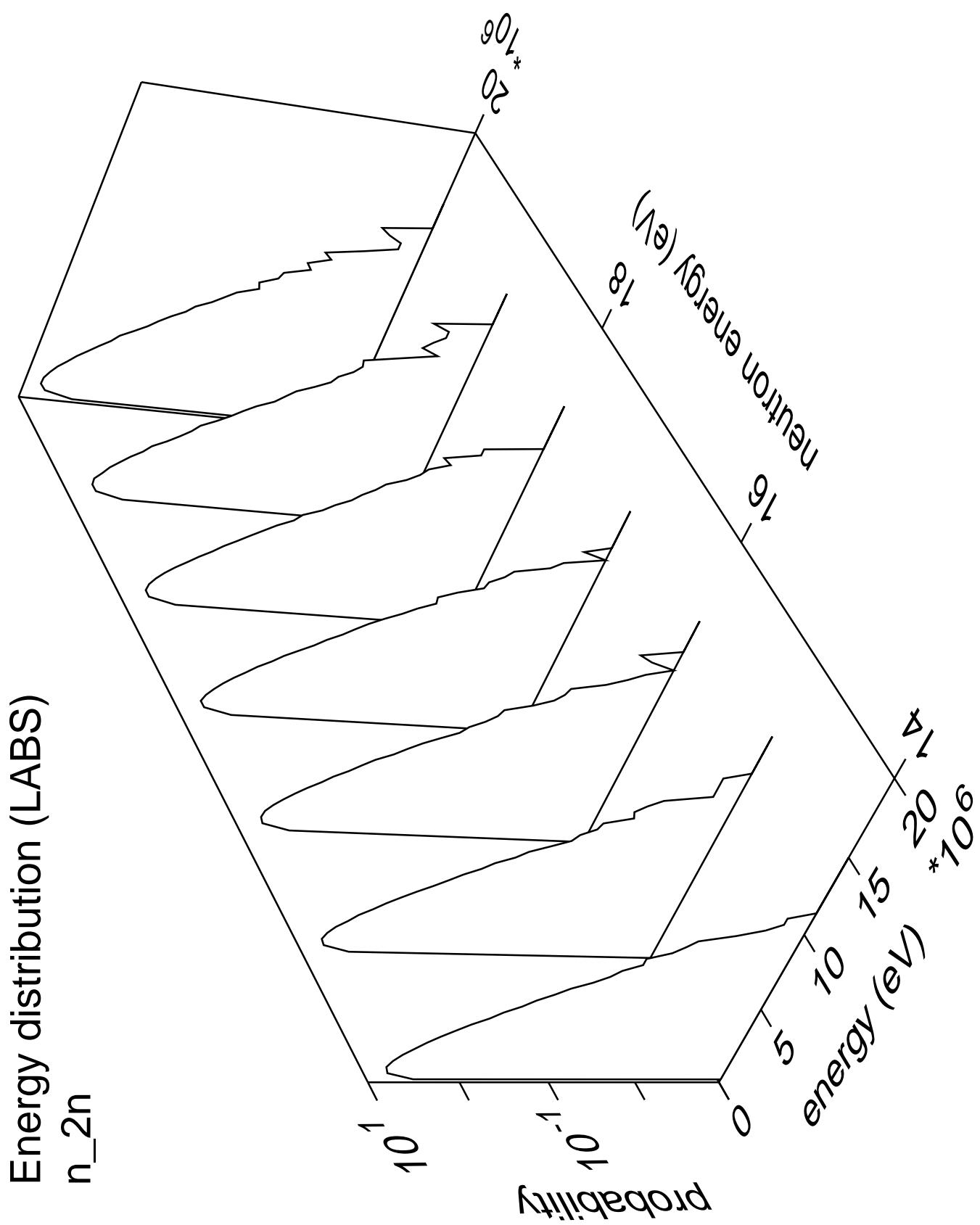


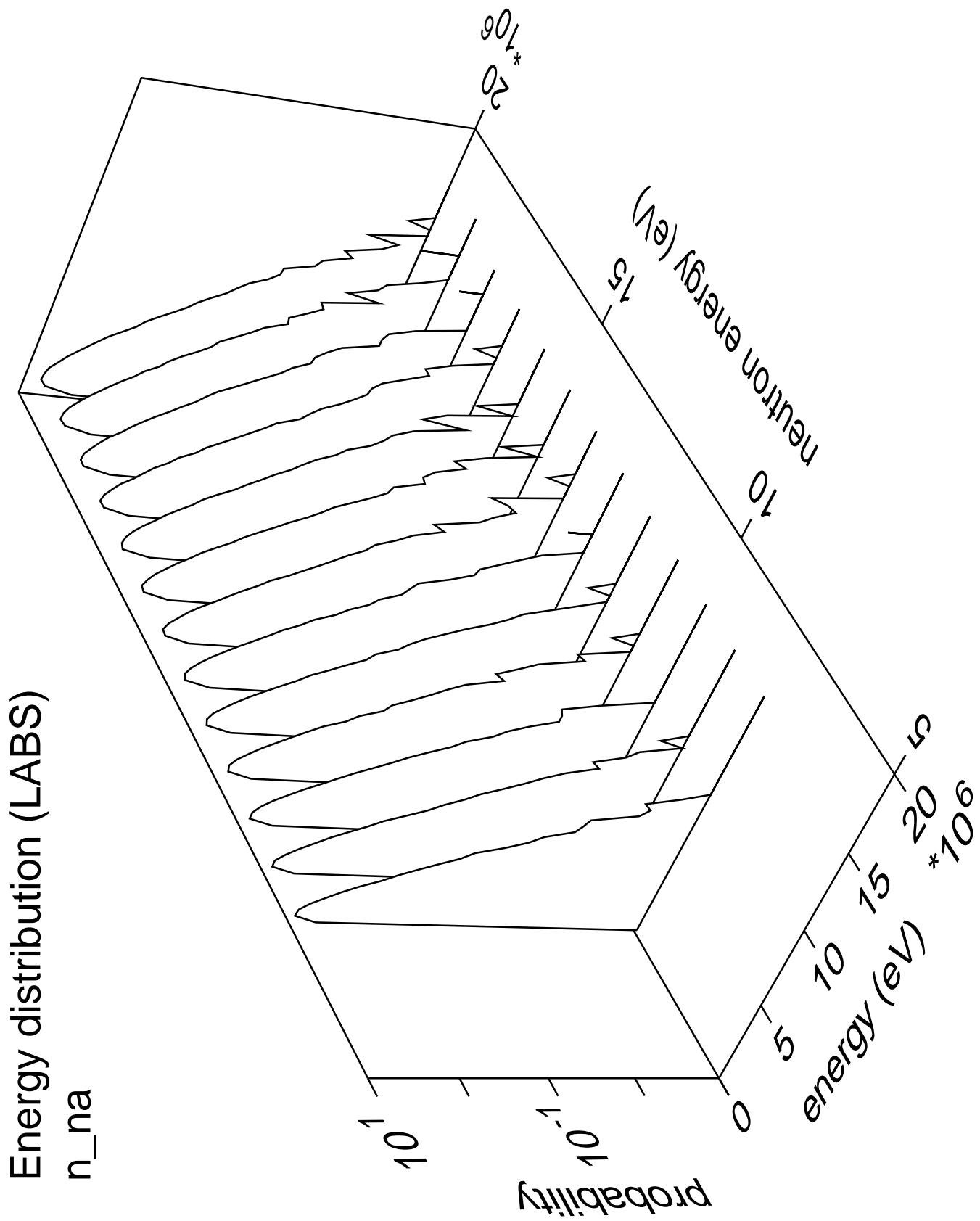


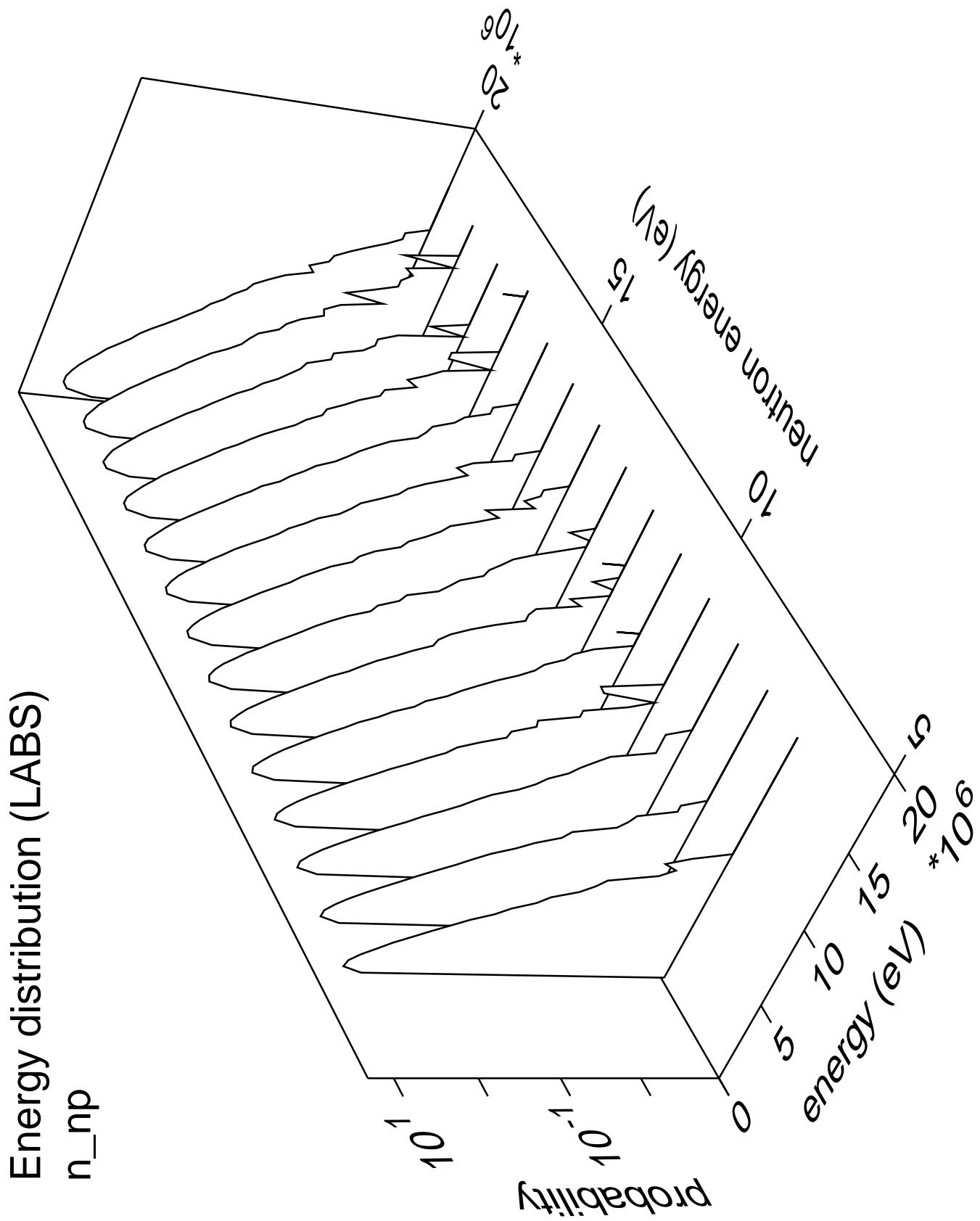


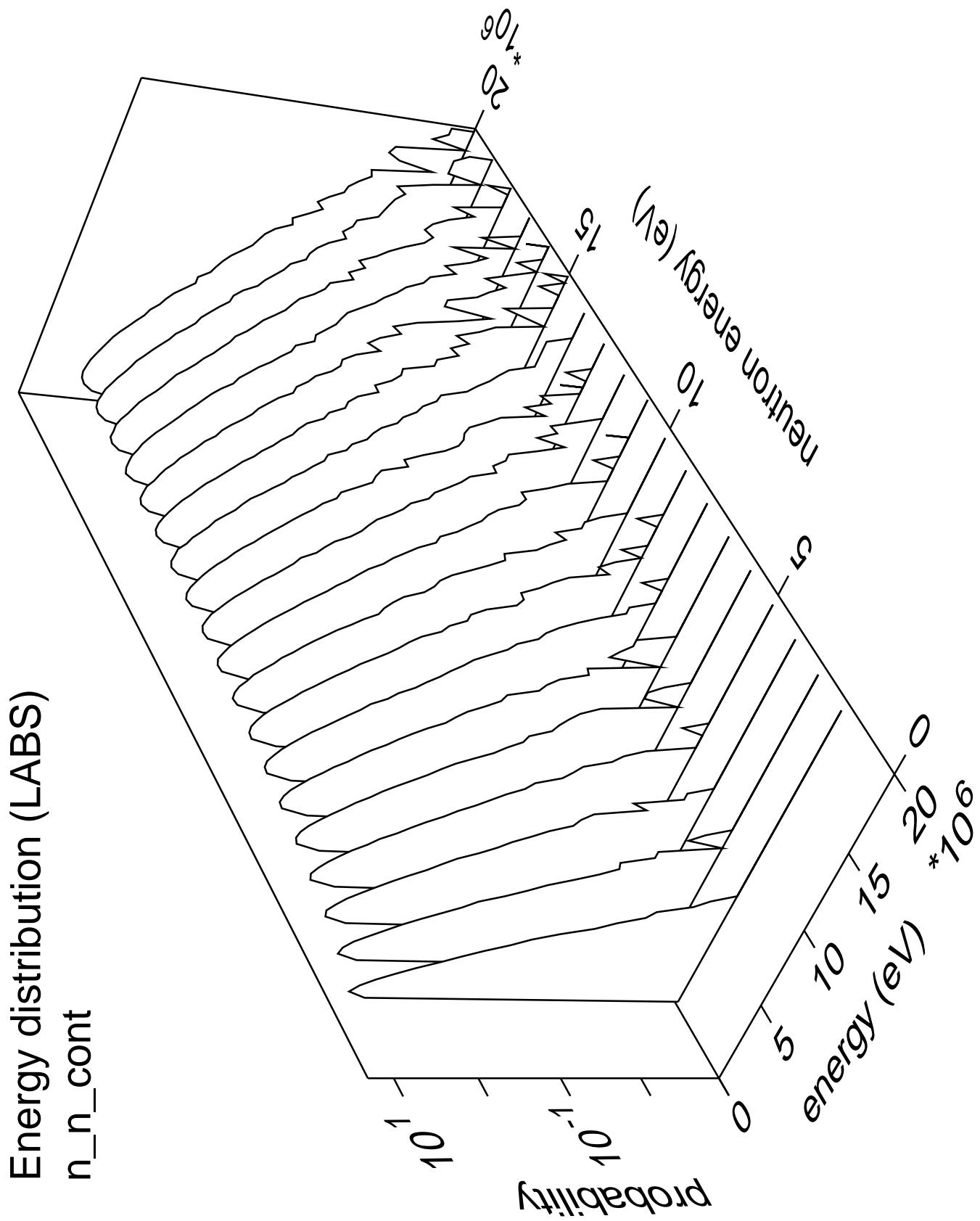




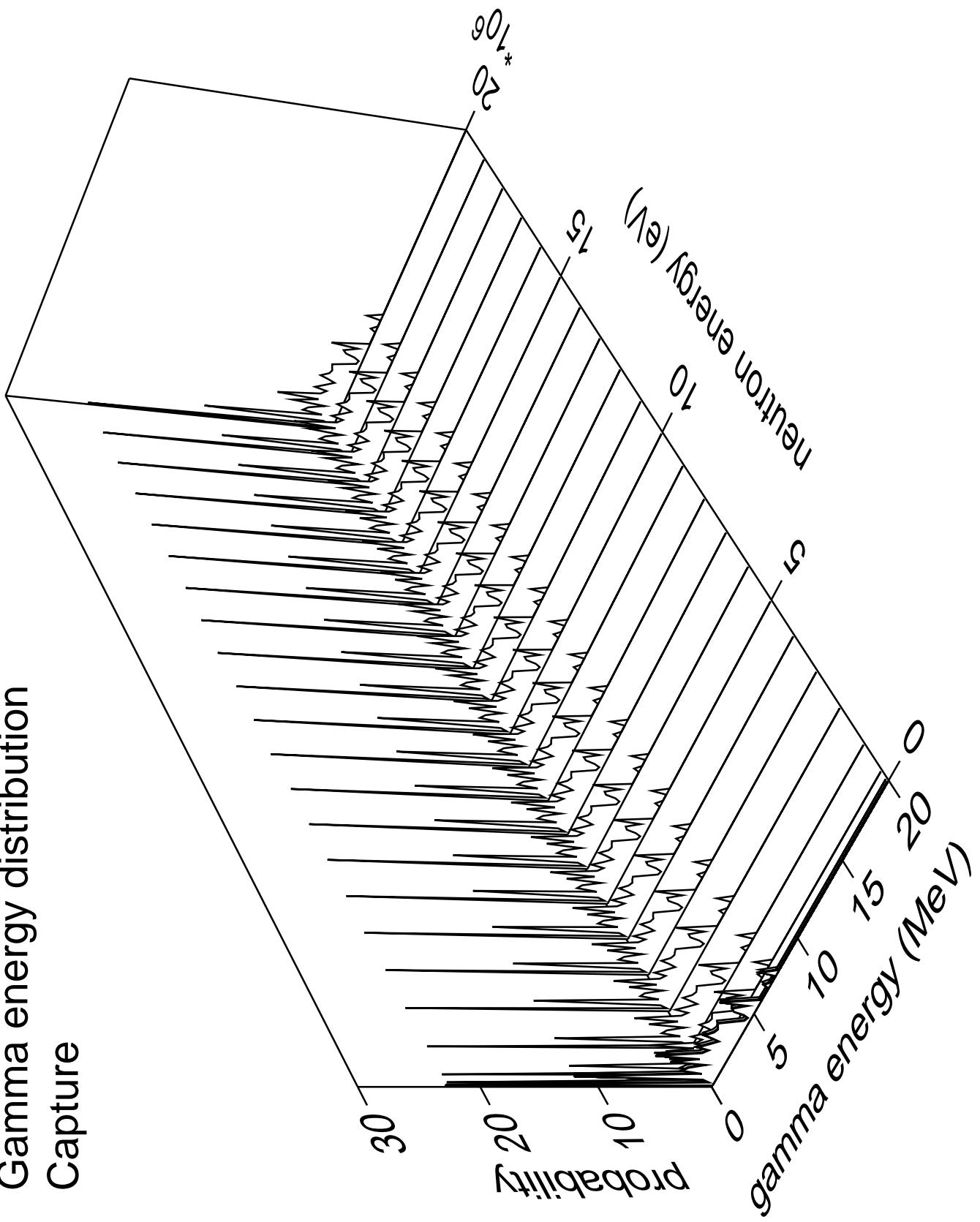




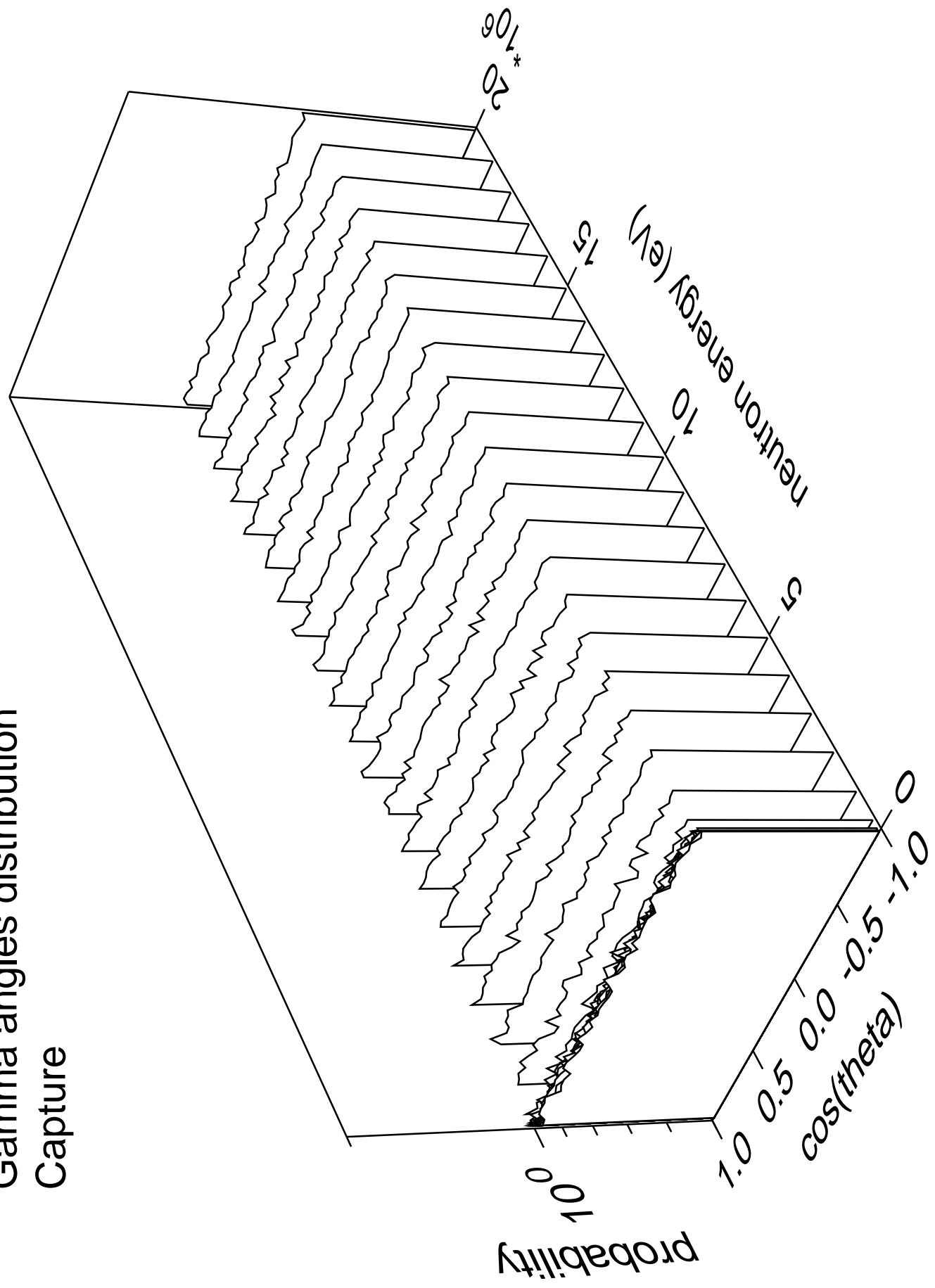




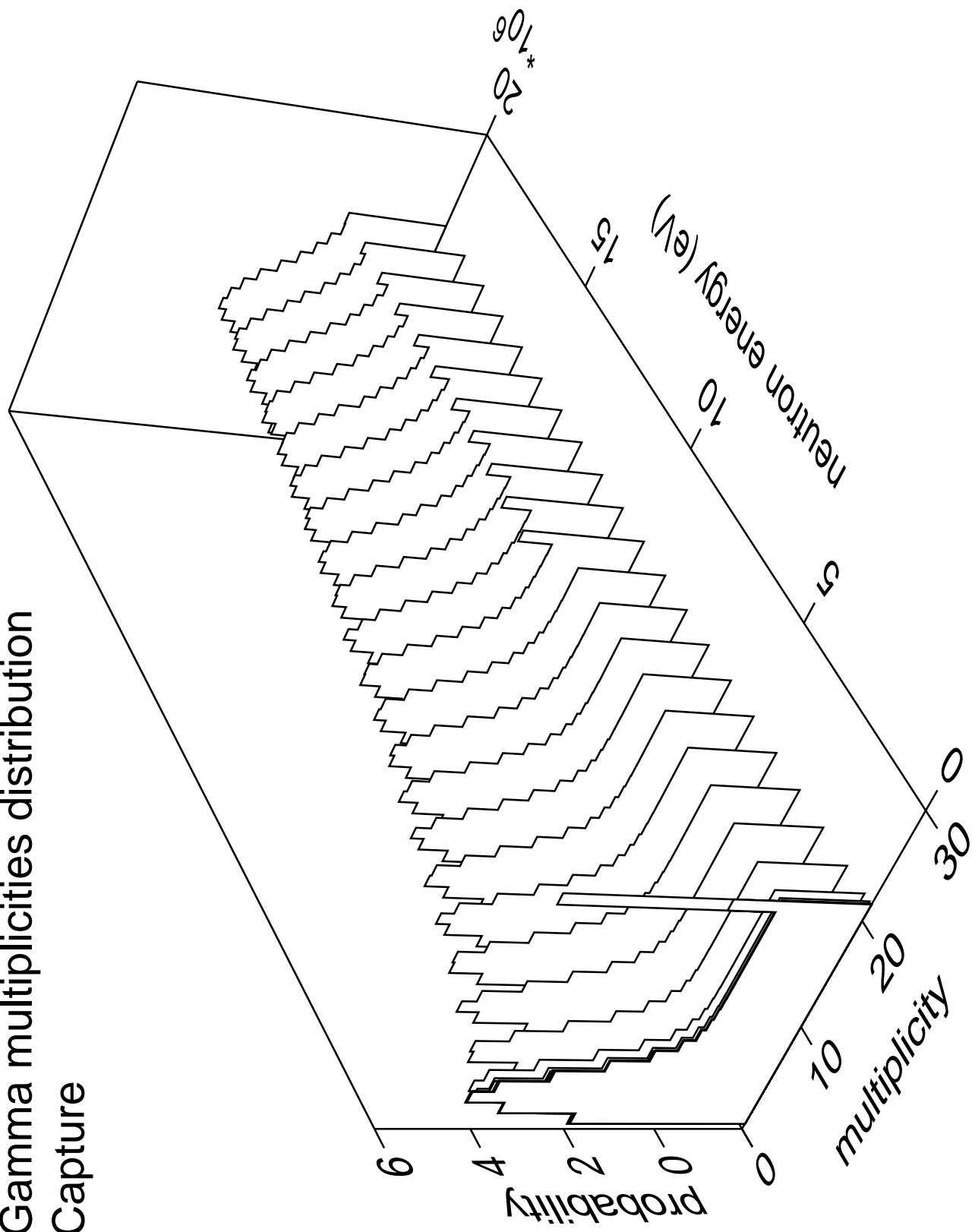
# Gamma energy distribution Capture



# Gamma angles distribution Capture



# Gamma multiplicities distribution Capture



Gamma energy distribution

n\_n\_1

100

50

0

Probability

5

10

15

20

gamma energy (MeV)

$10^6$

6

Neutron energy (eV)

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

Gamma angles distribution  
 $n_{n_1}$

Probability

$10^0$

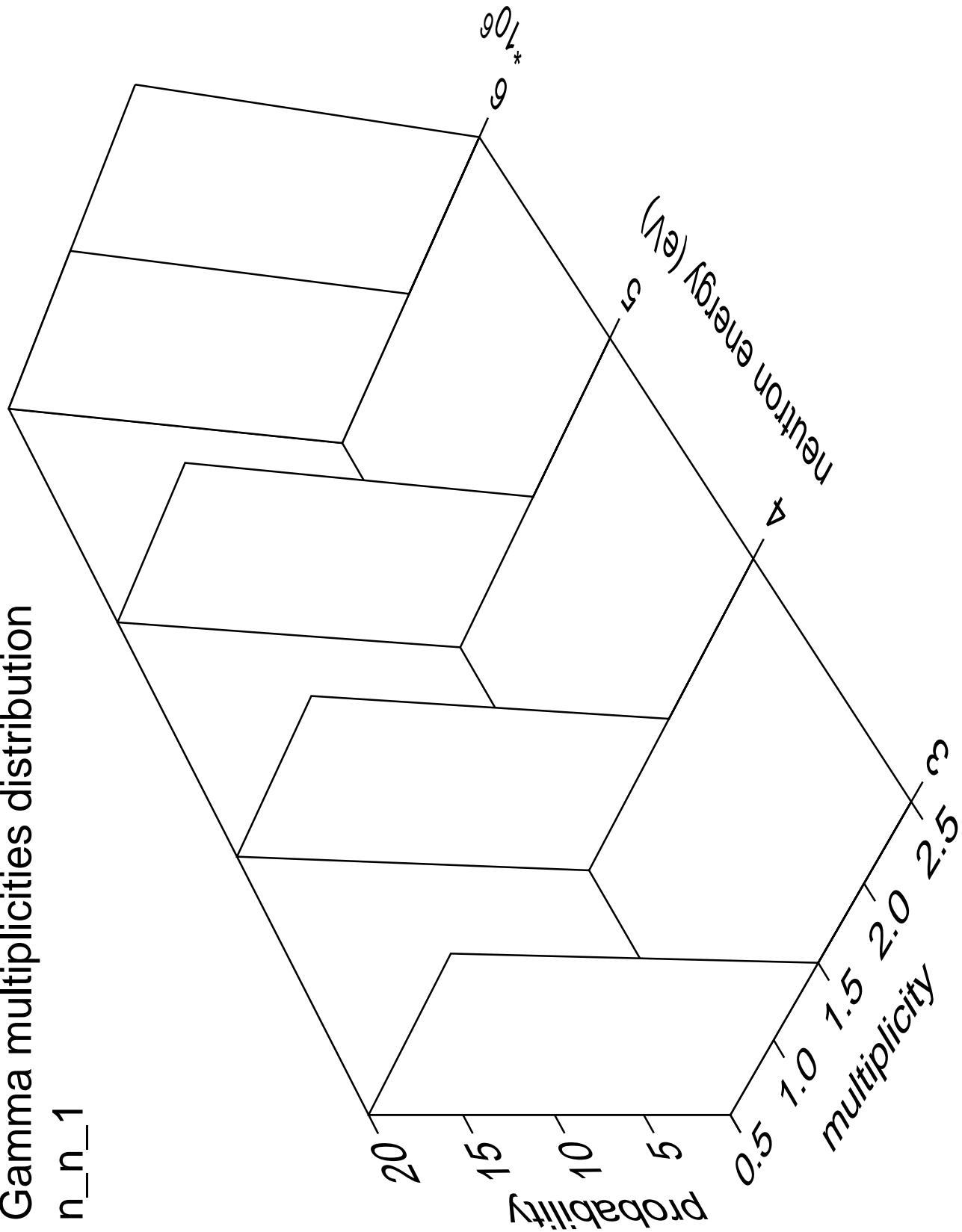
$10^6$   
 $10^6$

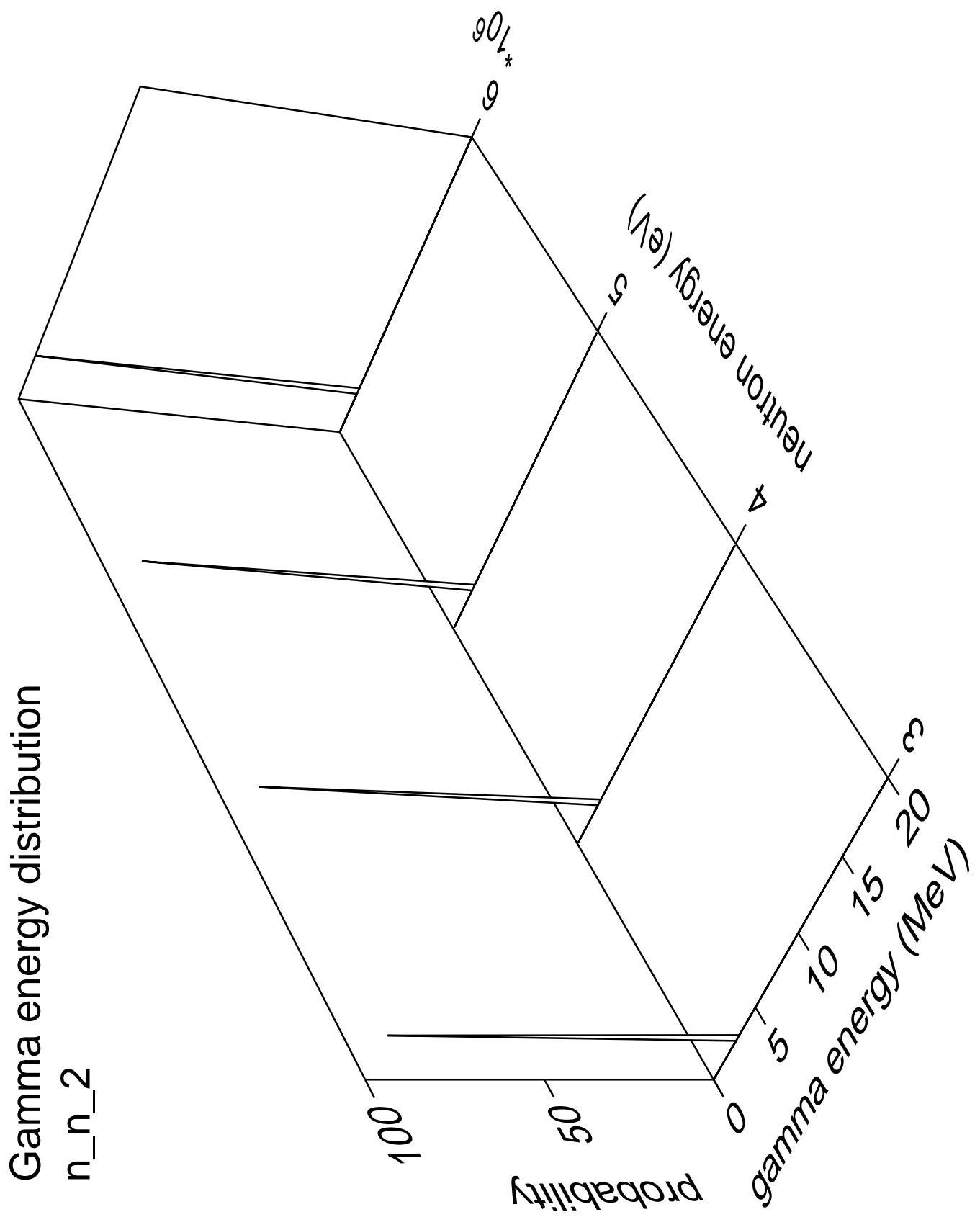
$6$

$Neutron\ energy\ (\text{eV})$   
 $4$

$cos(\theta)$   
1.0 0.5 0.0 -0.5 -1.0

# Gamma multiplicities distribution $n_n_1$





Gamma angles distribution

n\_n\_2

Probability

$10^0$

$10^6$

6

Neutron energy ( $\text{eV}$ )

4

$10^3$

$\cos(\theta)$

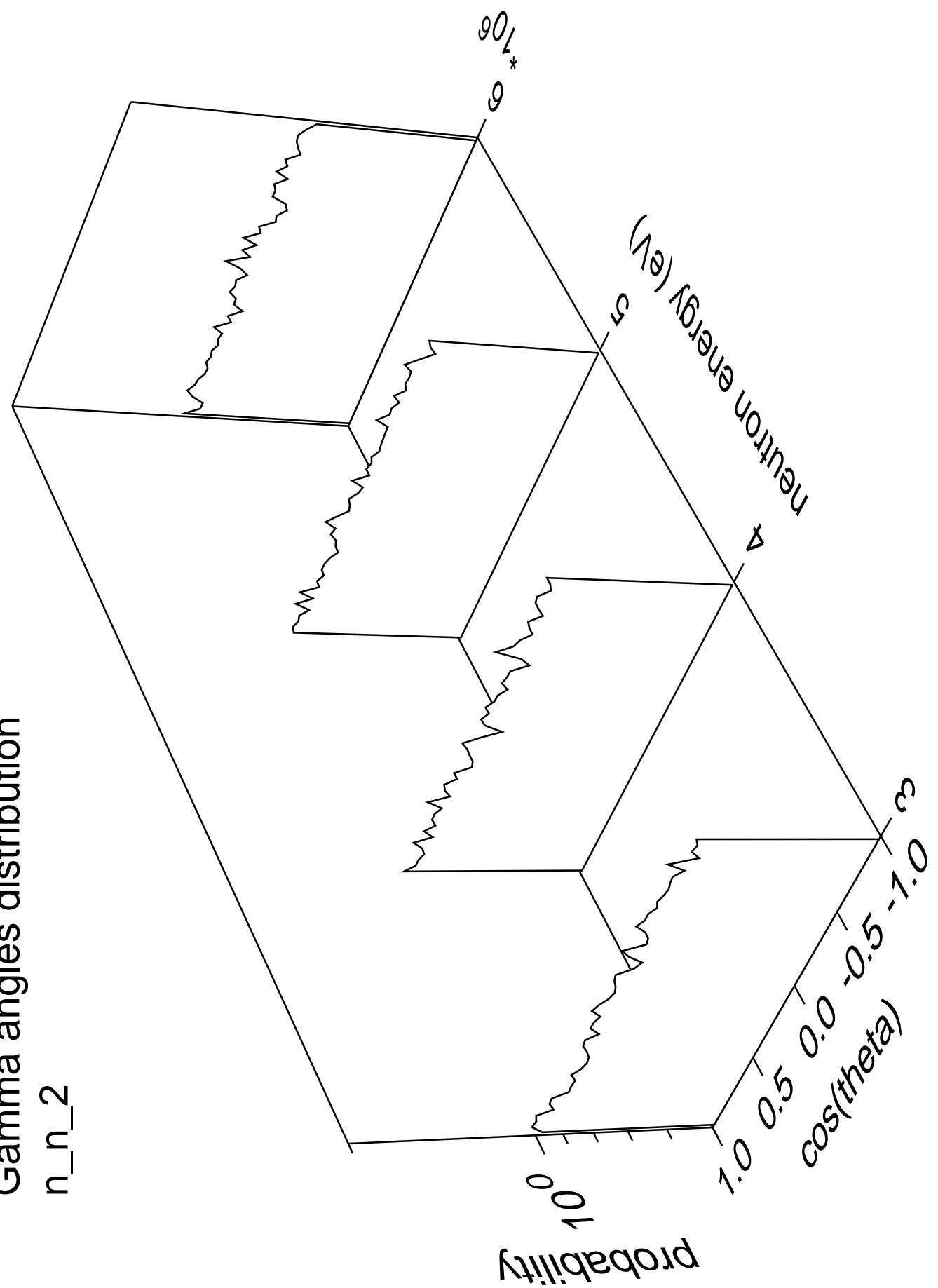
1.0

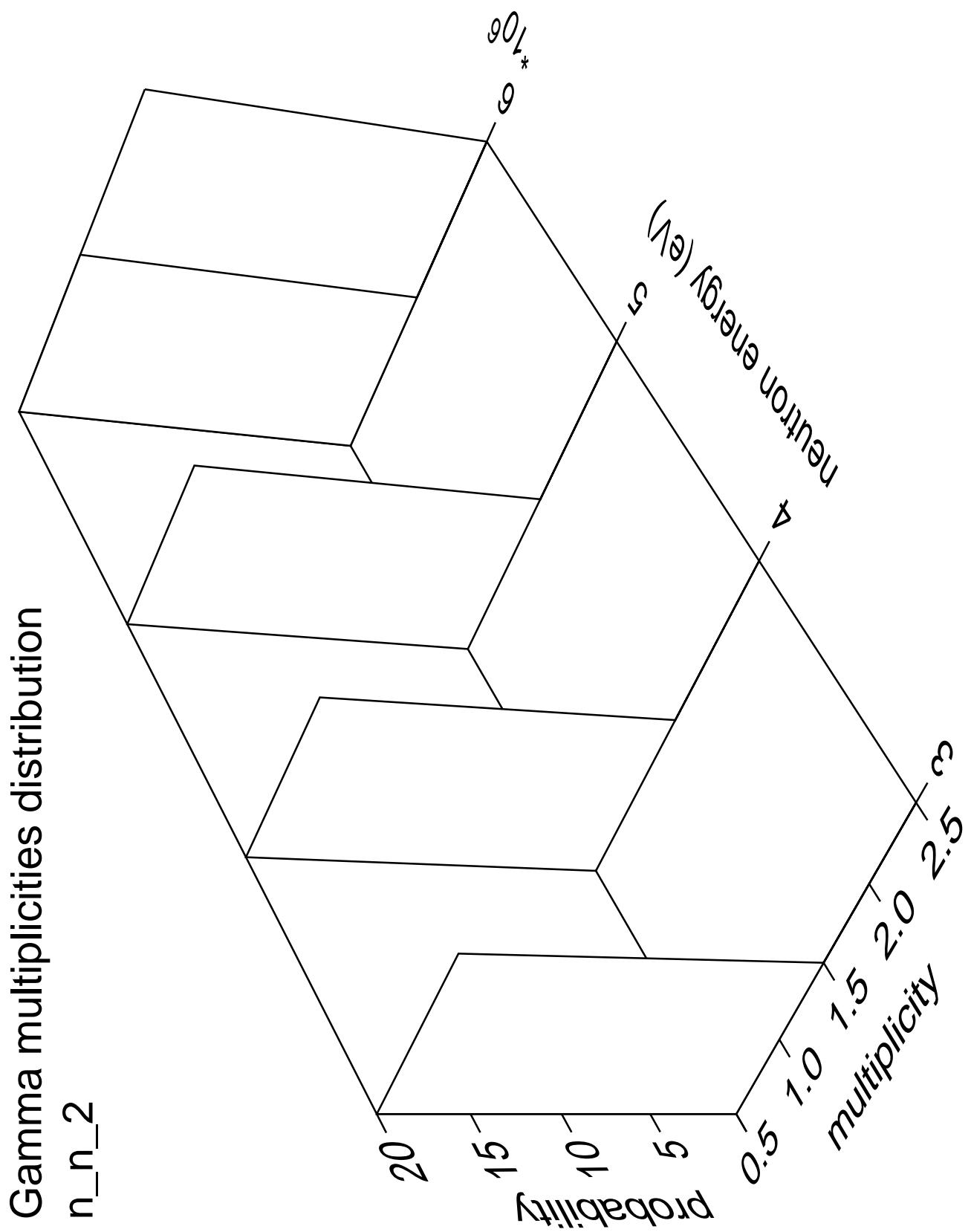
0.5

0.0

-0.5

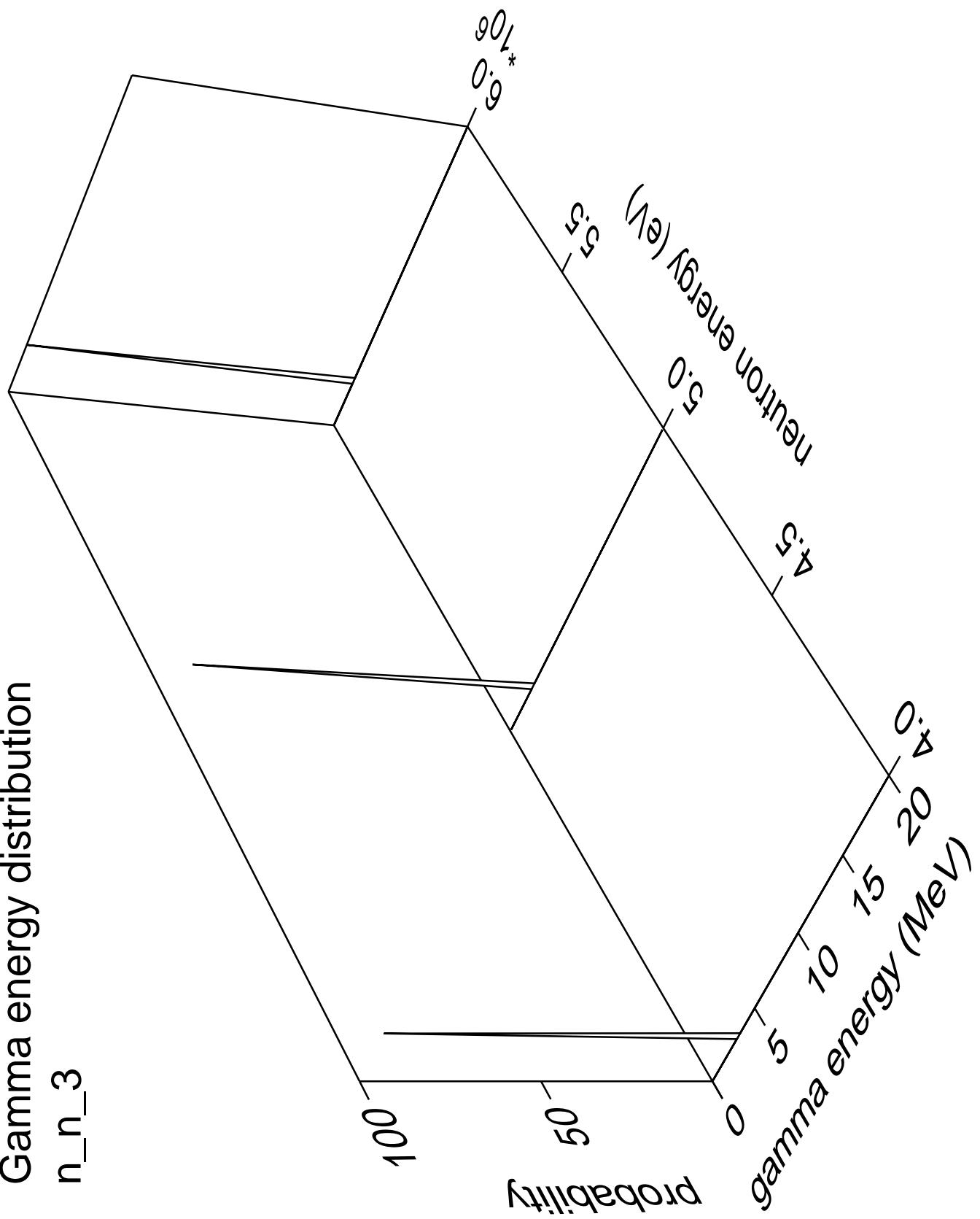
-1.0





### Gamma energy distribution

n\_n\_3



Gamma angles distribution

$n_n_3$

Probability

$10^0$

$\cos(\theta)$

$1.0$

$0.5$

$0.0$

$-0.5$

$-1.0$

Neutron energy ( $eV$ )

$10^0$

$5.0$

$2.5$

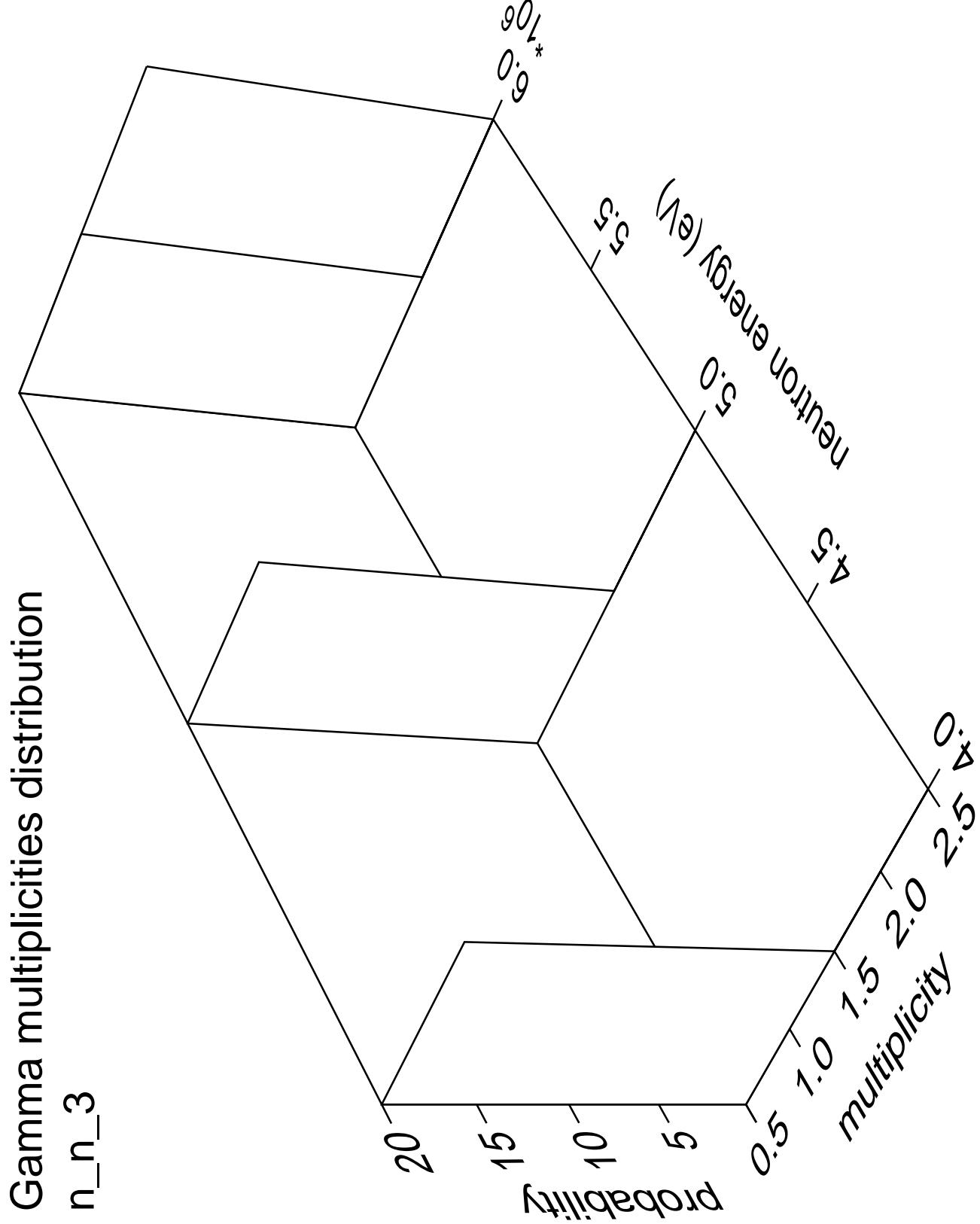
$1.0$

$0.5$

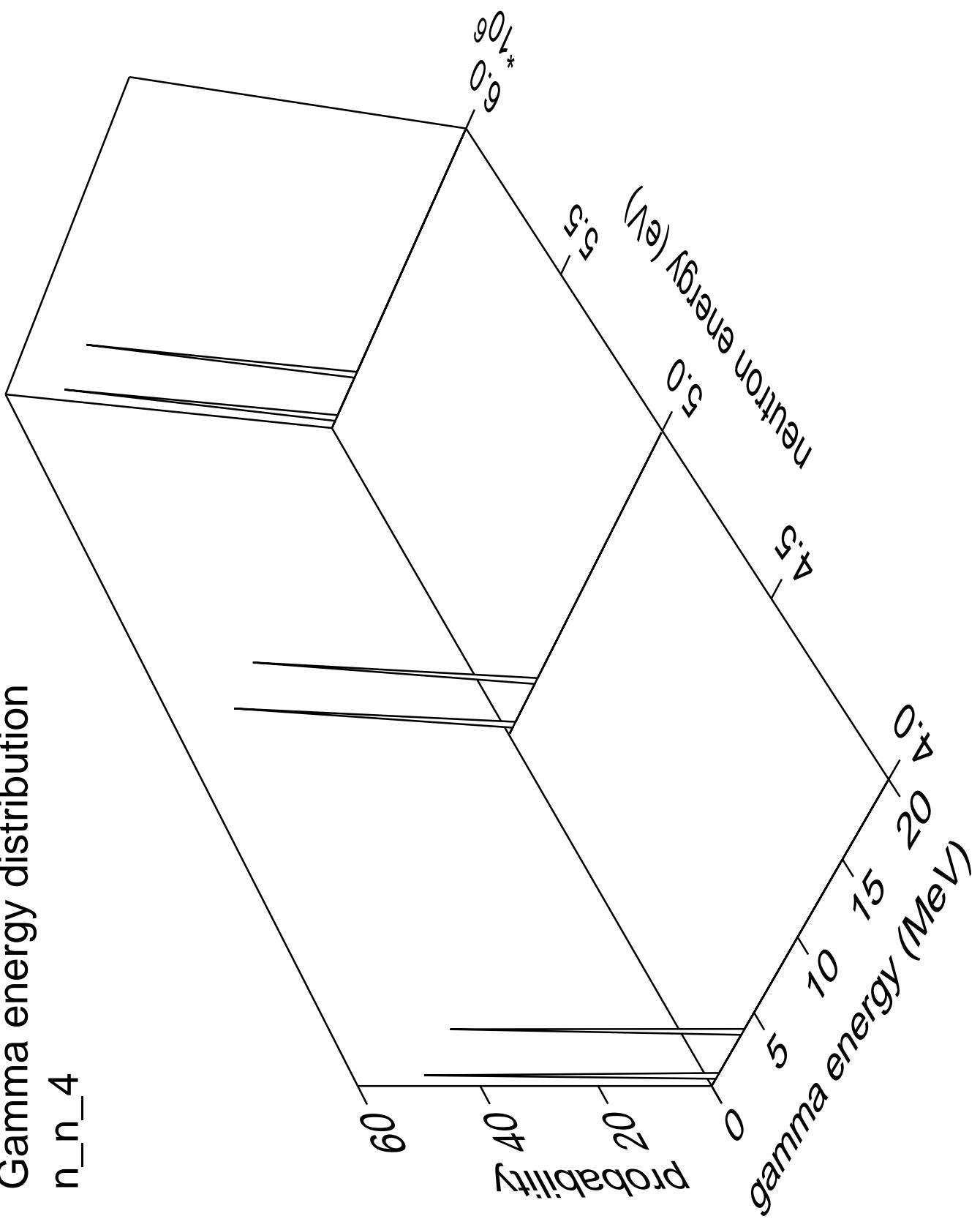
$0.0$

$-0.5$

$-1.0$

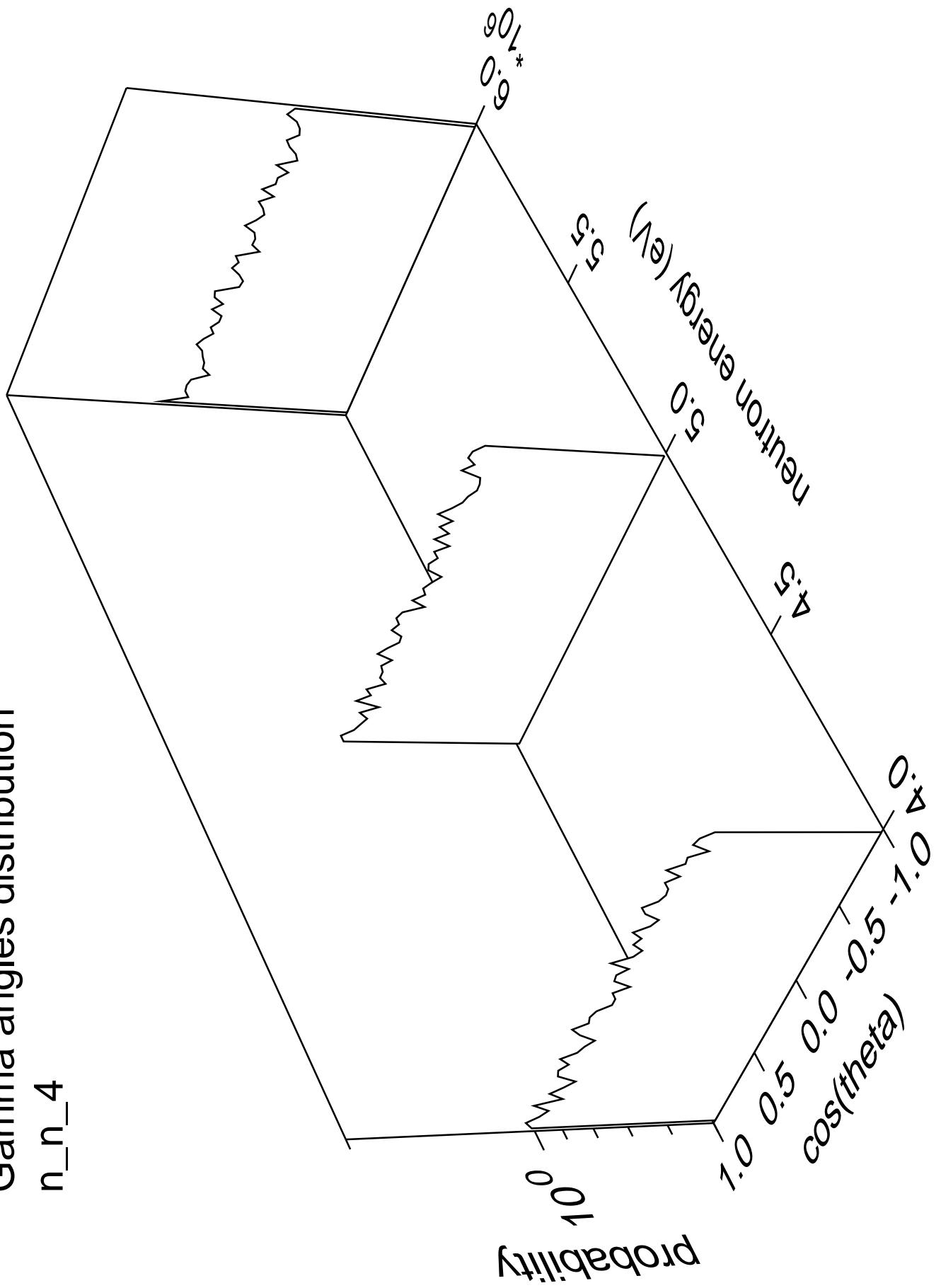


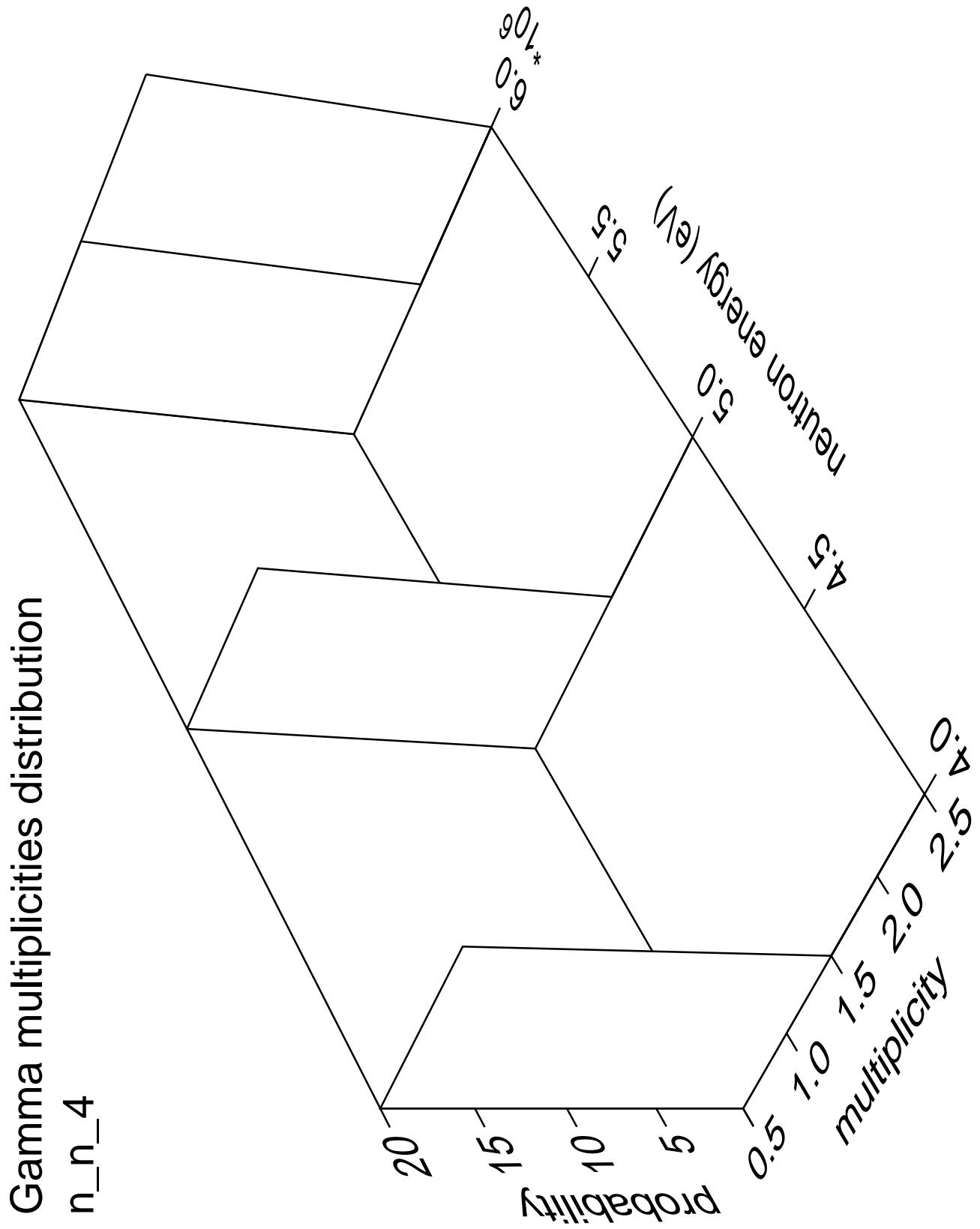
# Gamma energy distribution n\_n\_4

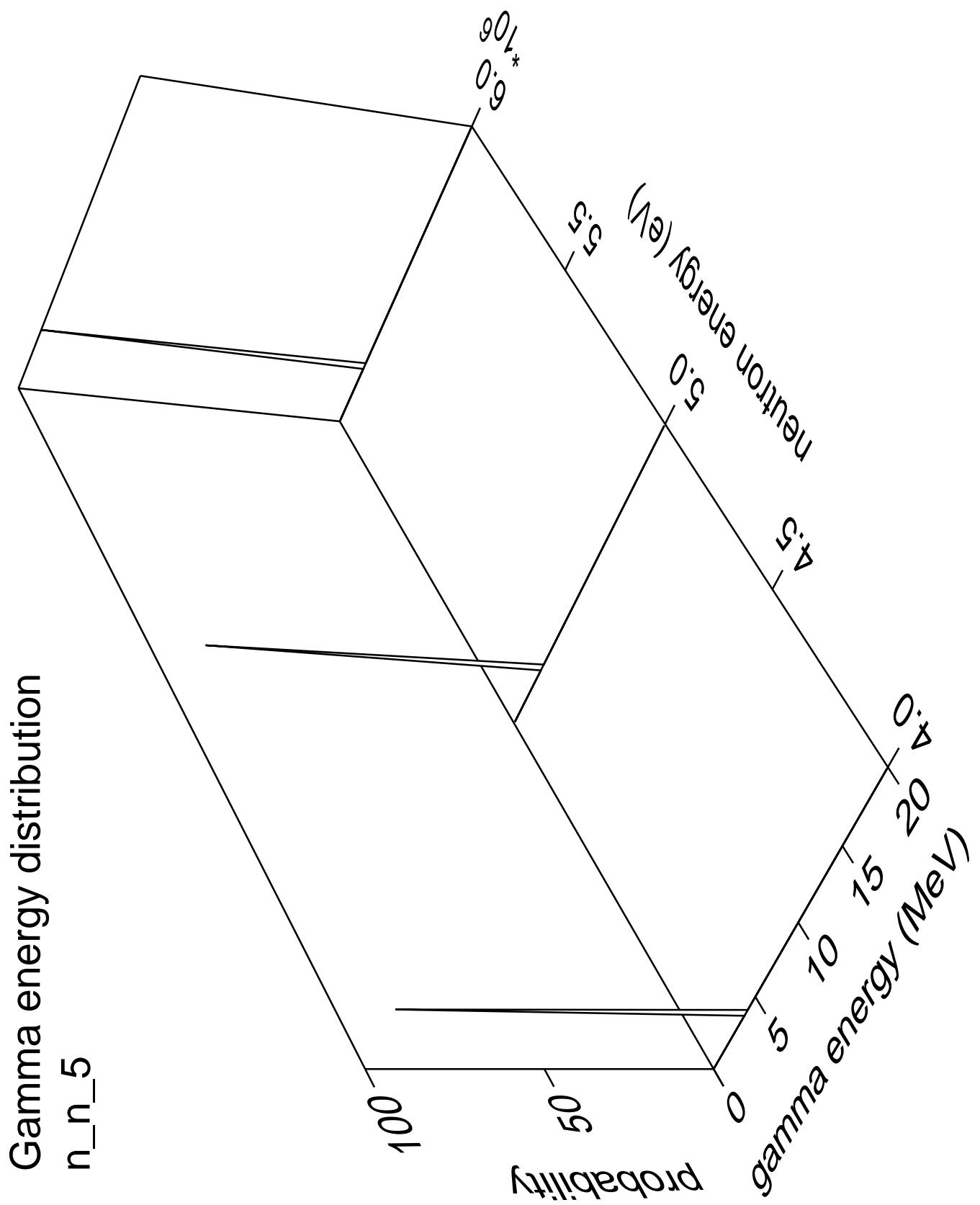


Gamma angles distribution

n\_n\_4

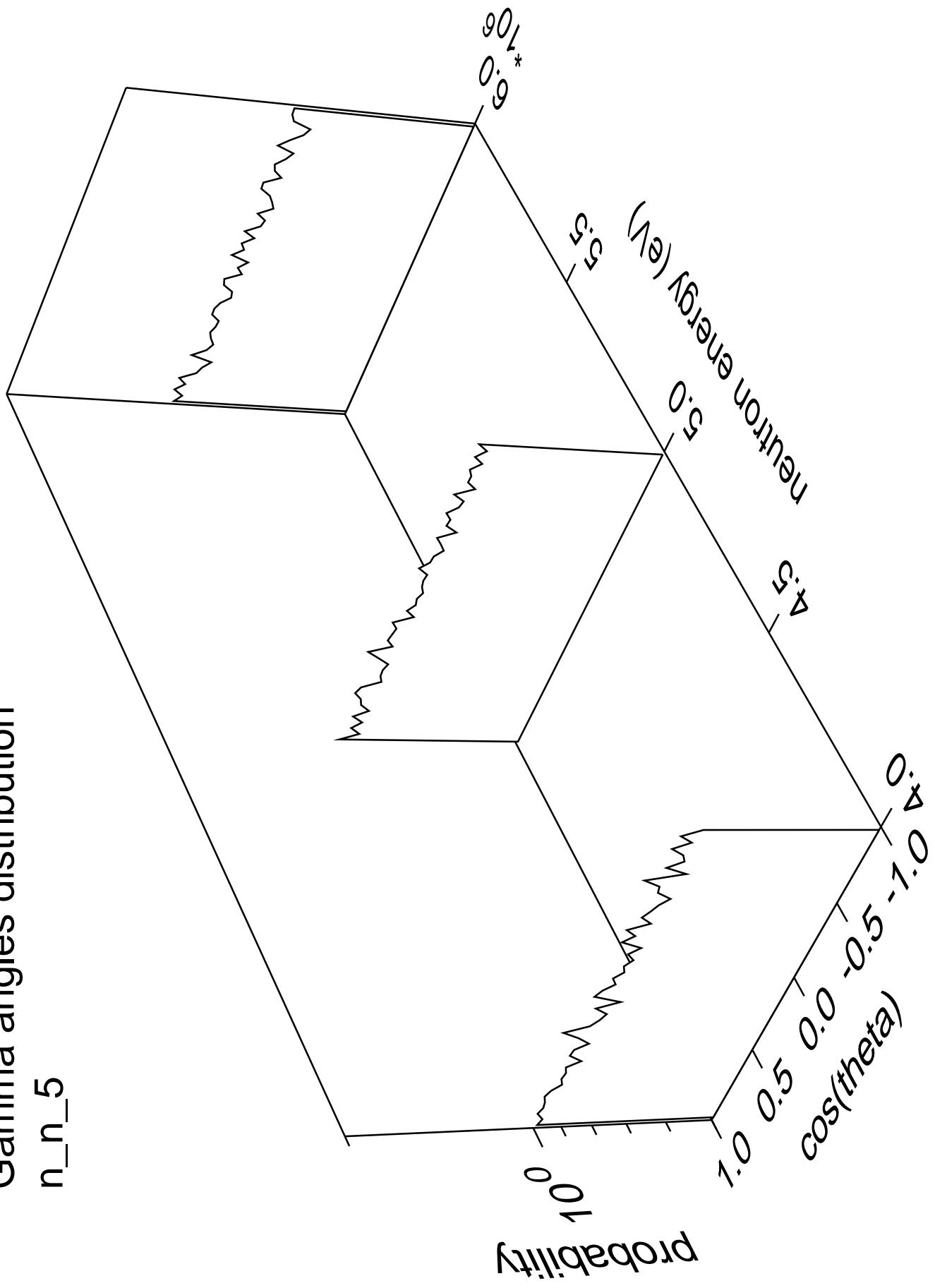






Gamma angles distribution

n\_n\_5



Gamma multiplicities distribution

$n_n_5$

Probability

$n_n_5$

multiplicity

0.0

0.5

1.0

1.5

2.0

2.5

3.0

0.5

1.0

1.5

2.0

2.5

3.0

Neutron energy (eV)

$10^6$

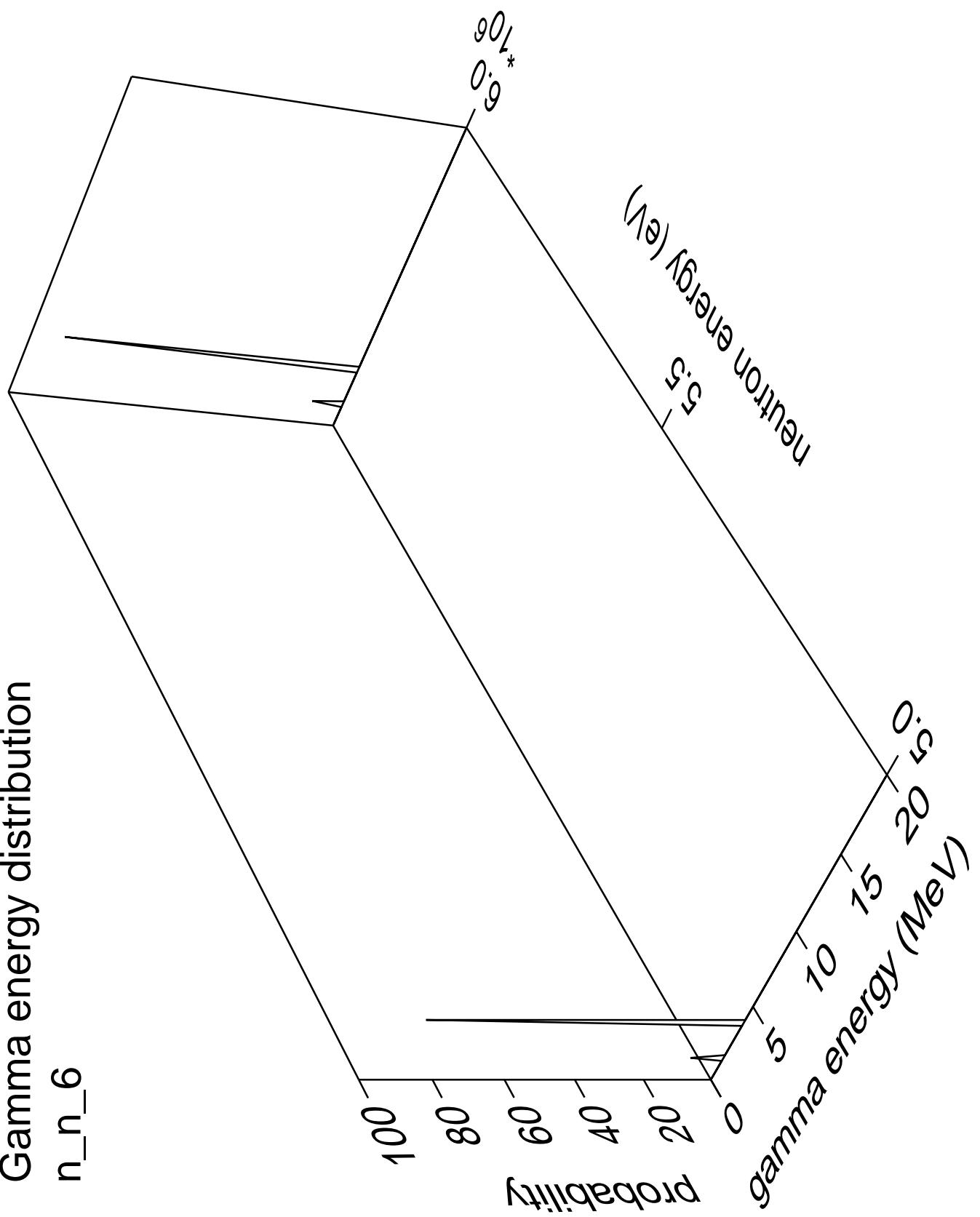
6.0

3.0

0.5

0.0

# Gamma energy distribution n\_n\_6



Gamma angles distribution

n\_n\_6

Probability

$10^0$

$\cos(\theta)$

1.0

0.5

0.0

-0.5

-1.0

Neutron energy (eV)

2.5

5.0

7.5

10.0

6.0

9.0

12.0

15.0

18.0

21.0

24.0

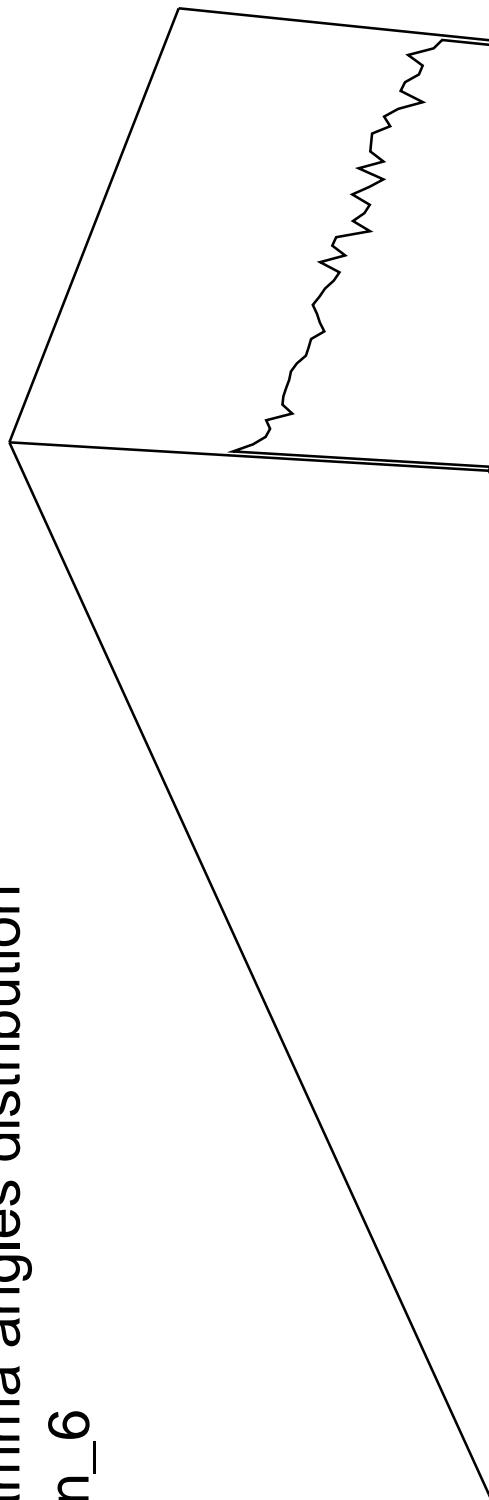
27.0

30.0

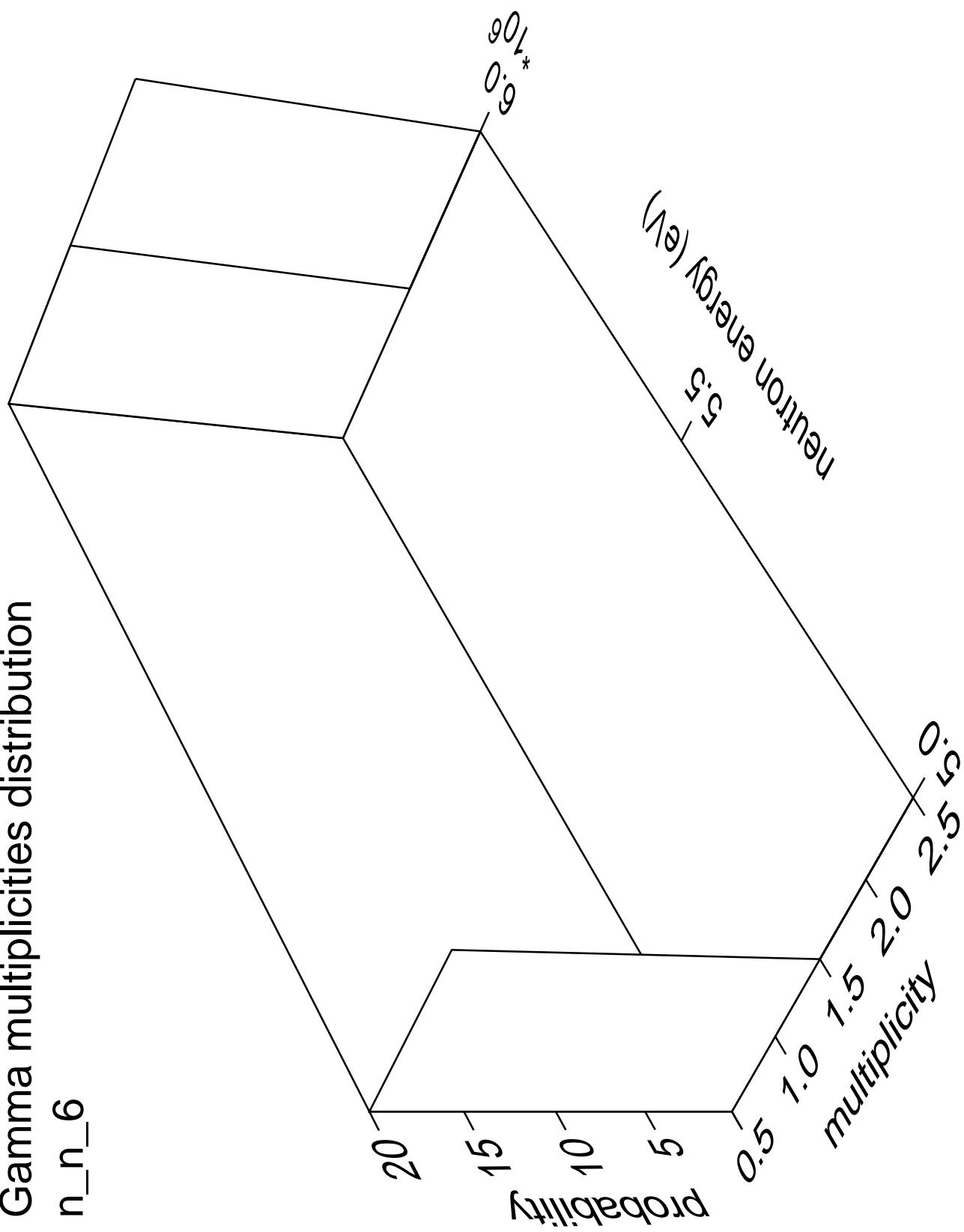
33.0

36.0

39.0

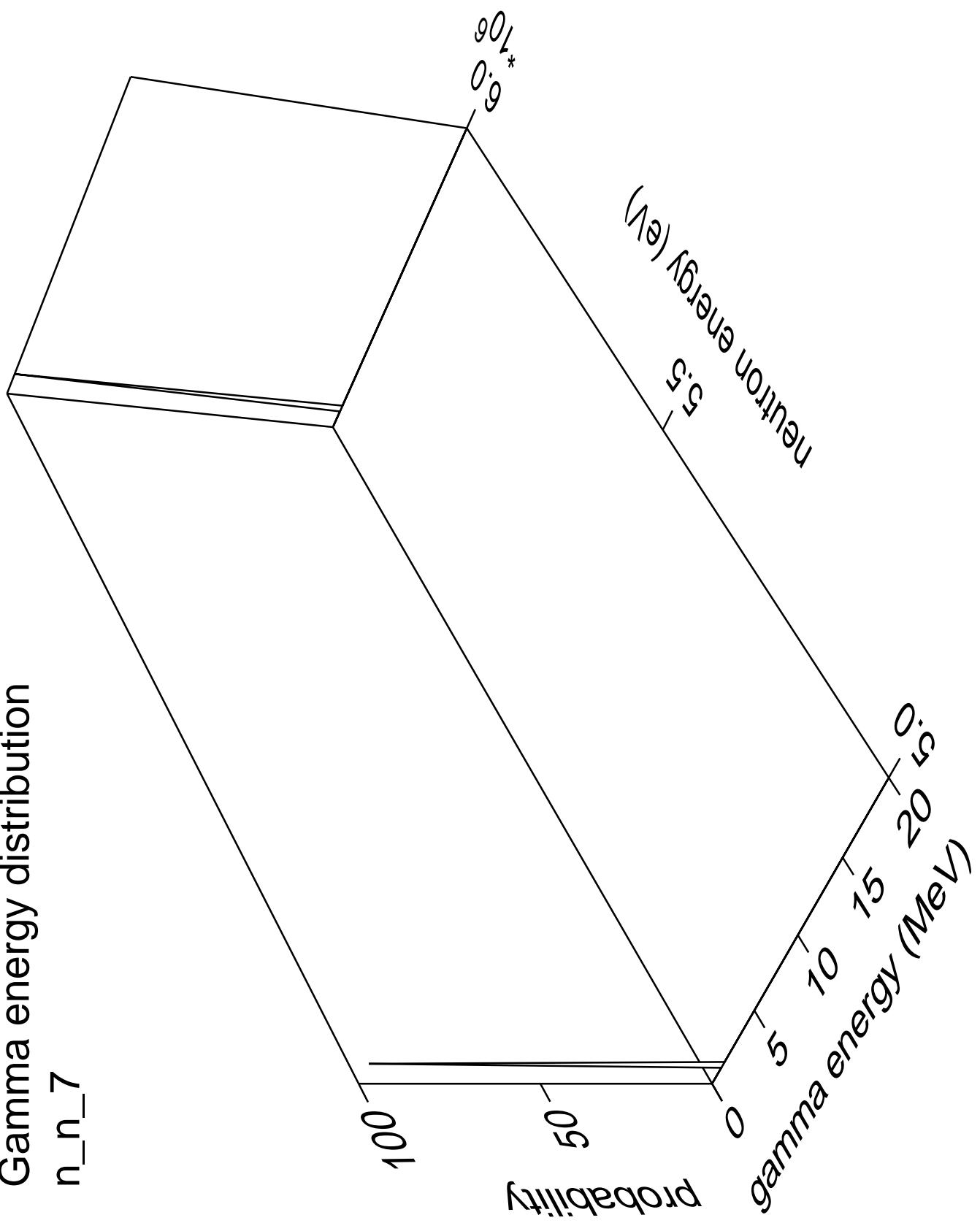


## Gamma multiplicities distribution



## Gamma energy distribution

n\_n\_7



Gamma angles distribution

$n_n_7$

Probability

$10^0$

$\cos(\theta)$

1.0

0.5

0.0

-0.5

-1.0

Neutron energy (eV)

10<sup>0</sup>

6.0

2.0

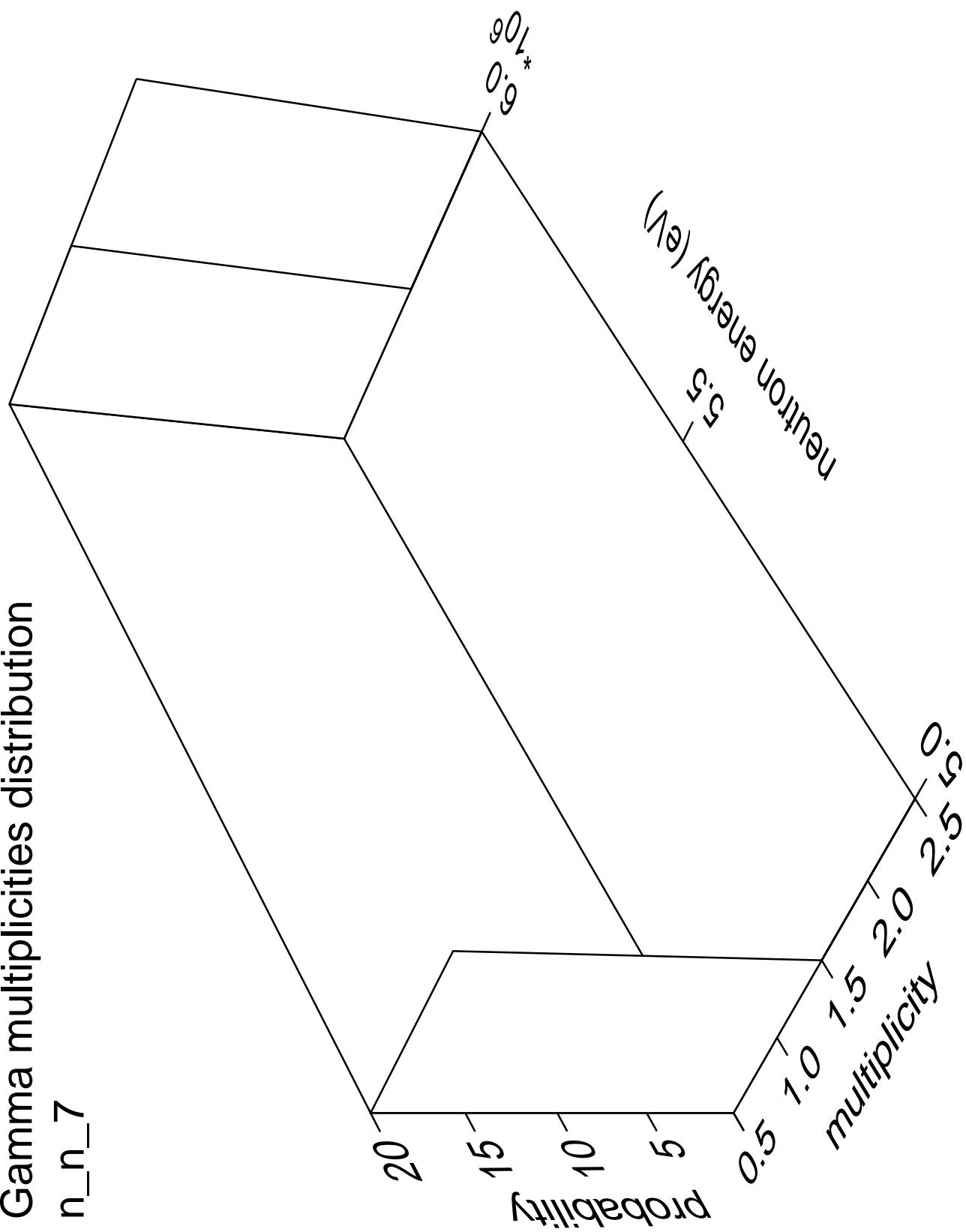
0.0

-2.0

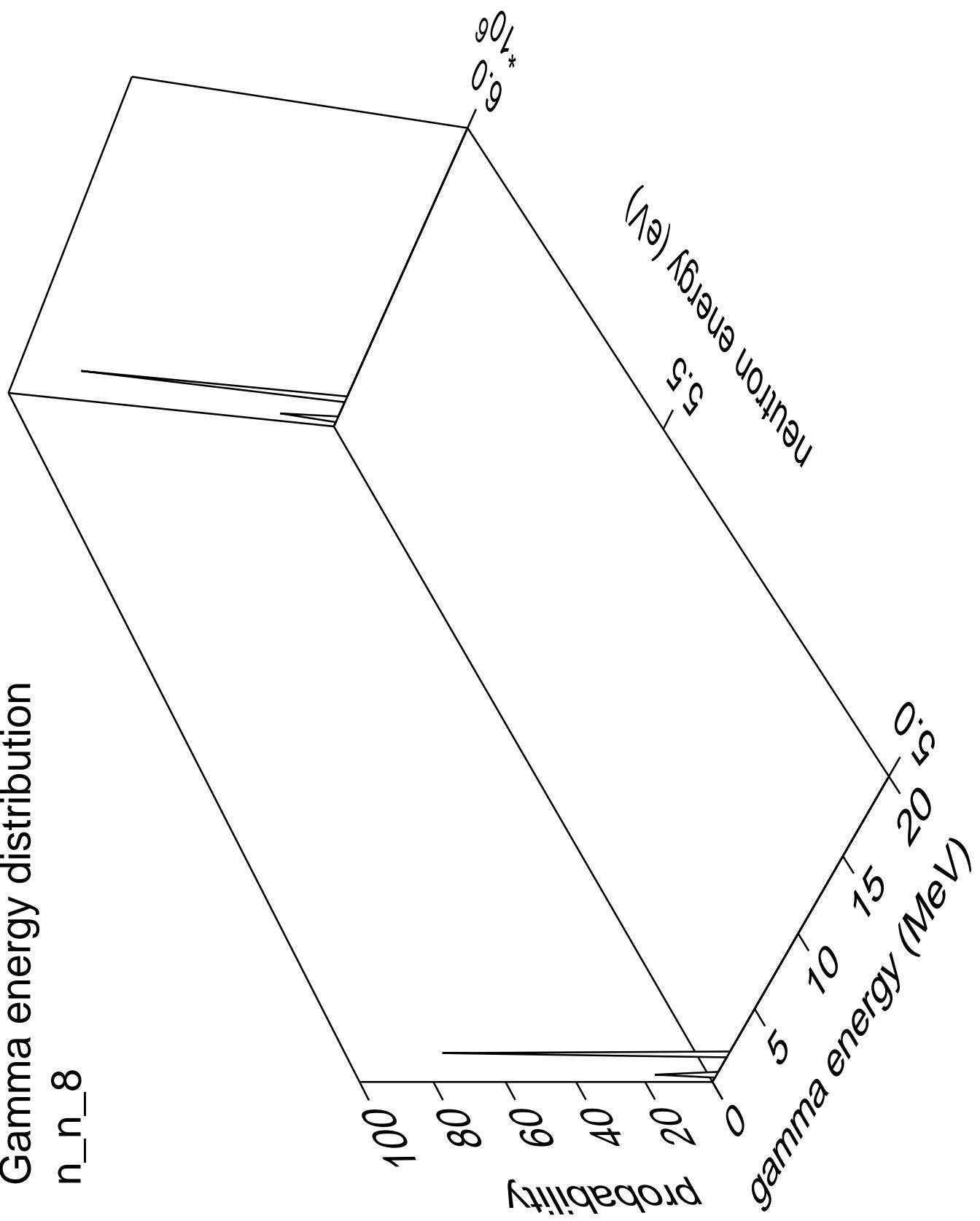
-6.0

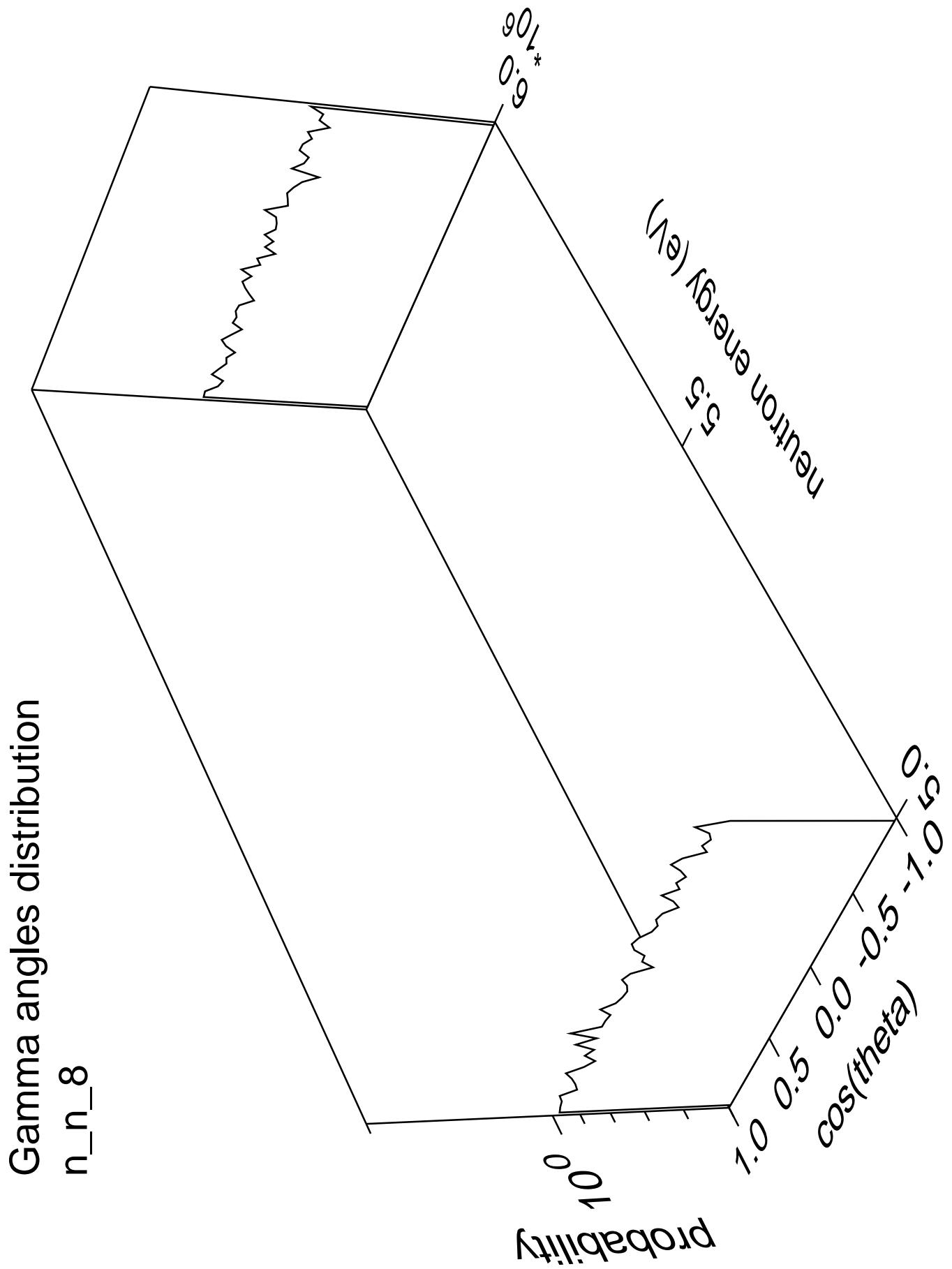
-10.0

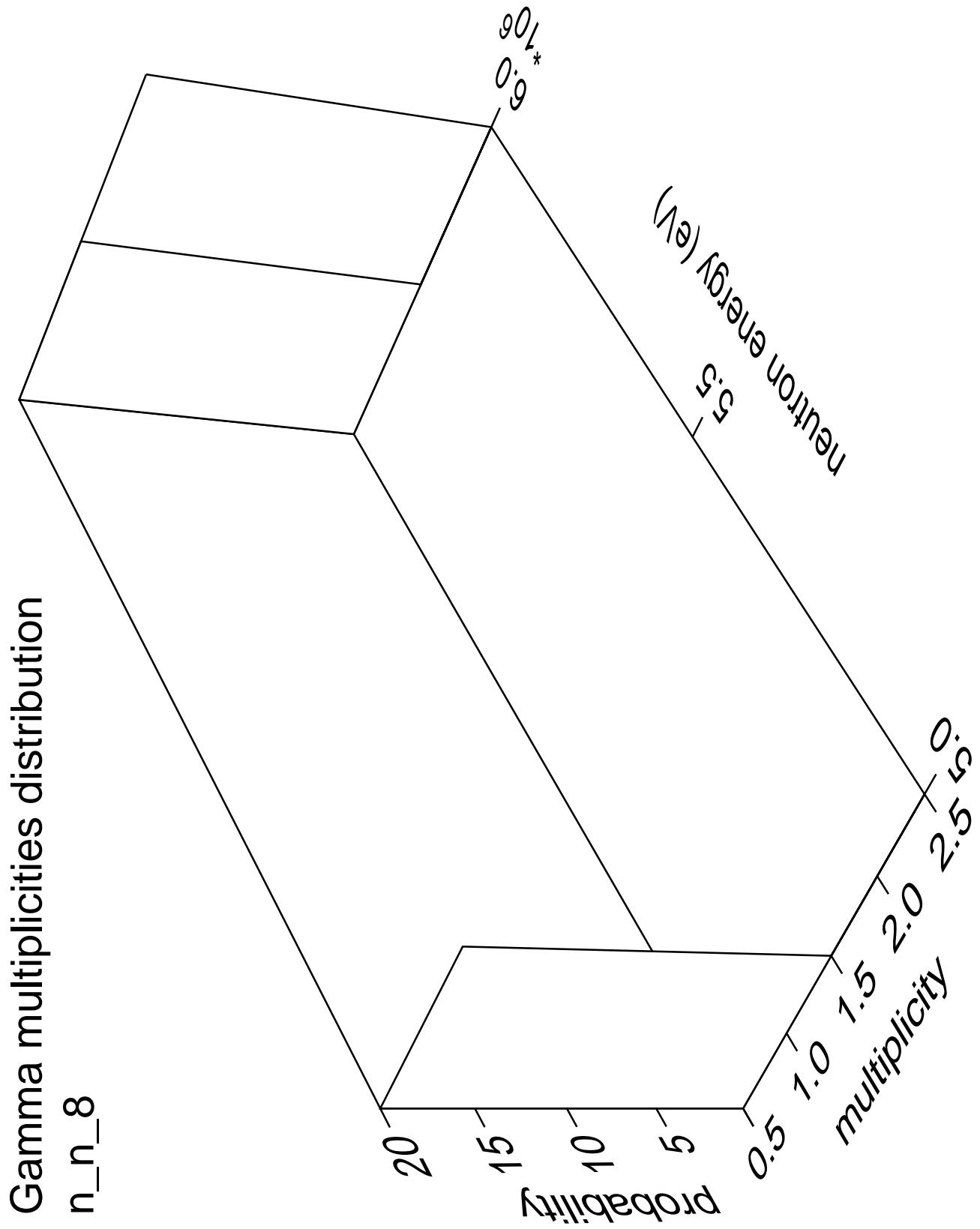
## Gamma multiplicities distribution



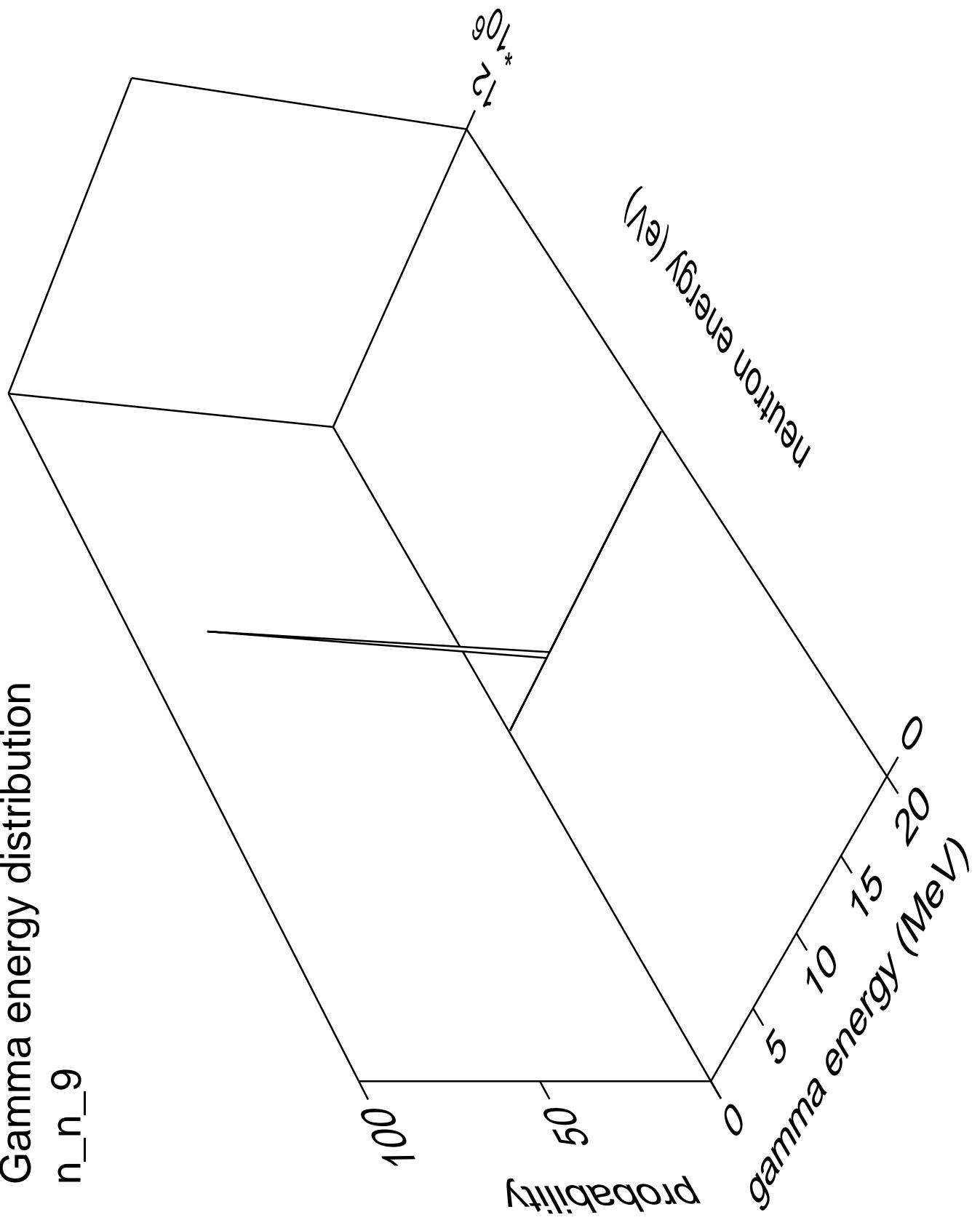
Gamma energy distribution  
n\_n\_8







Gamma energy distribution  
n\_n\_9



Gamma angles distribution

n\_n\_9

Probability

$10^0$

$\sim 10^6$

$10^0$

$\cos(\theta)$

$1.0$

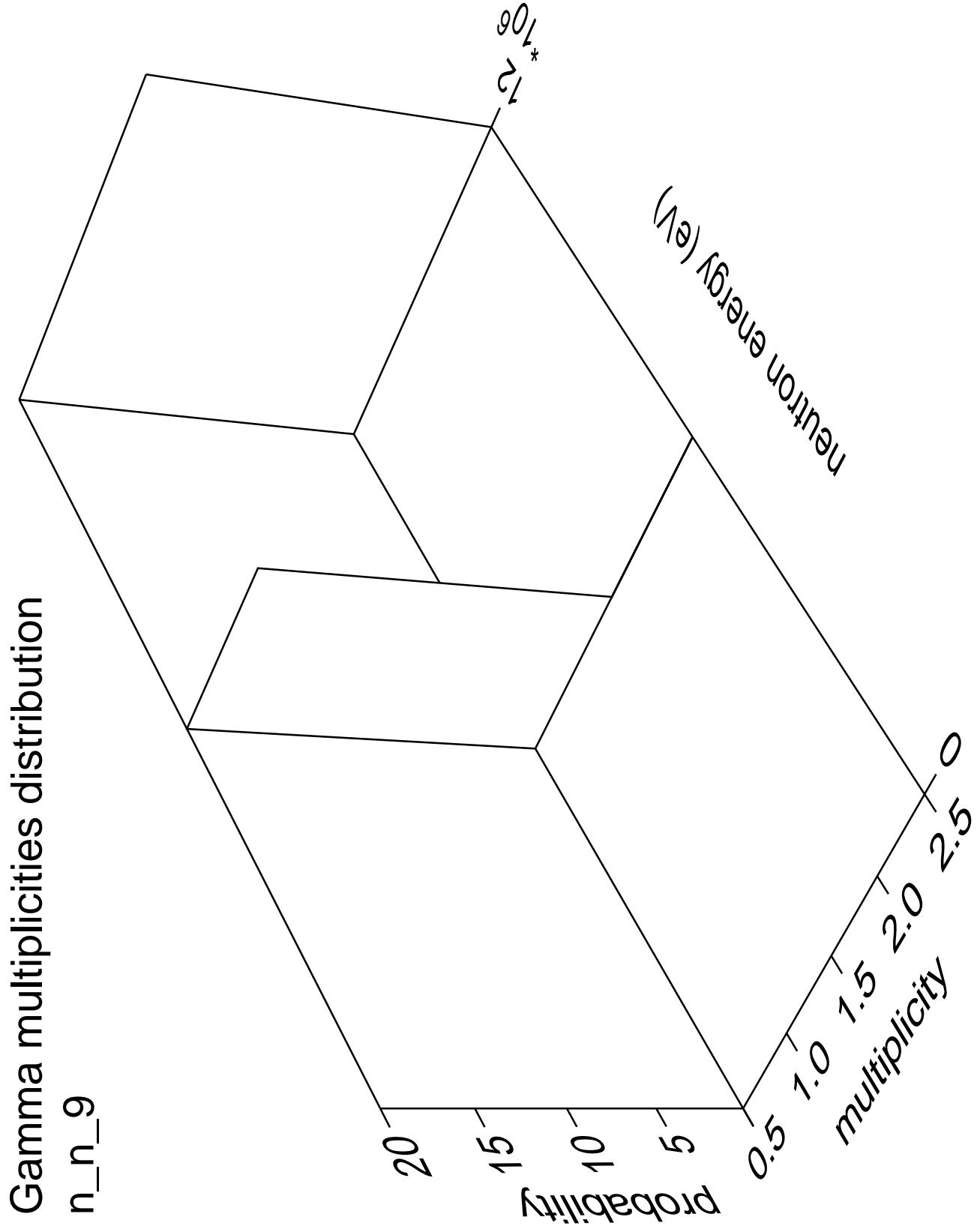
$0.5$

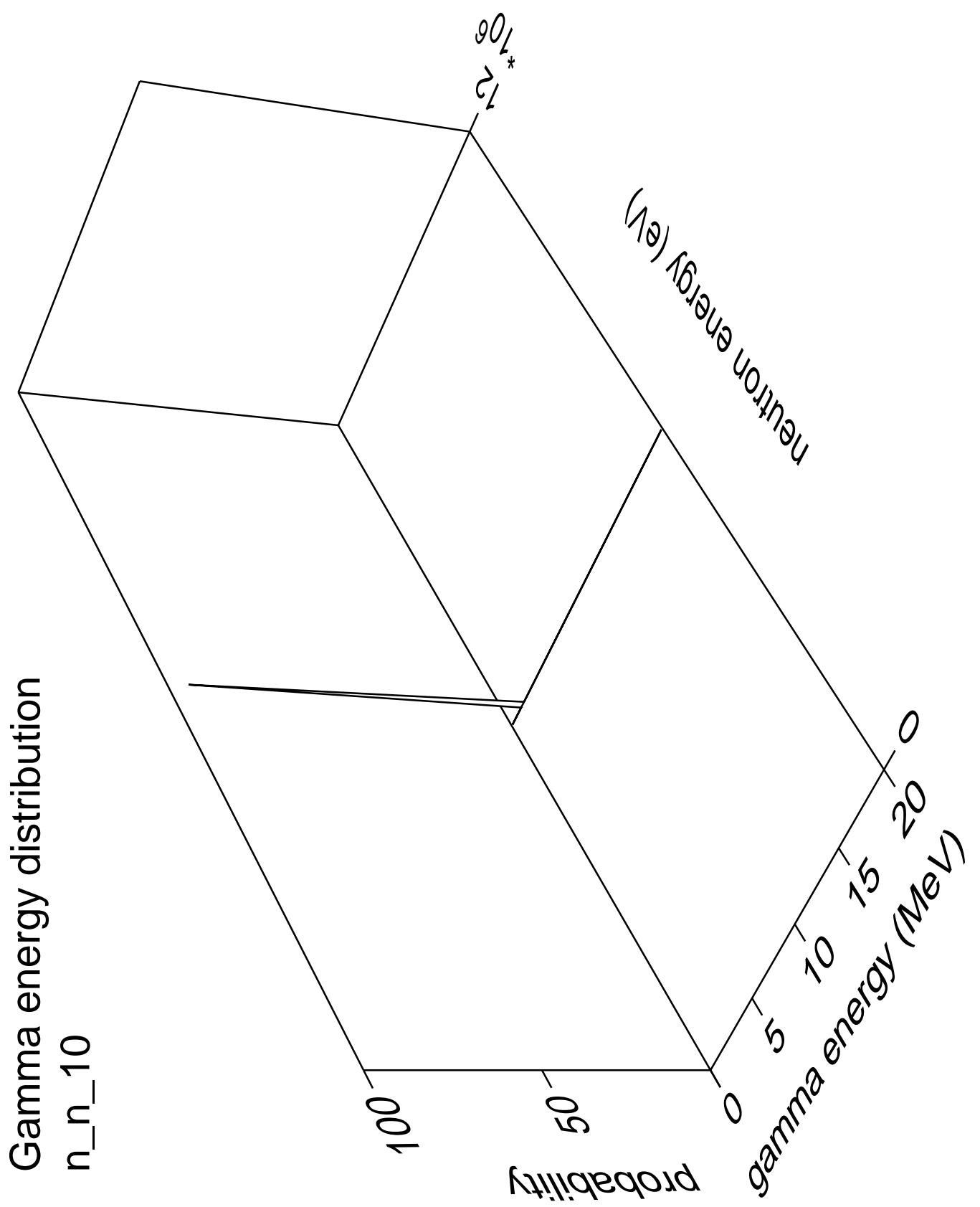
$0.0$

$-0.5$

$-1.0$

neutron energy (eV)





Gamma angles distribution

n\_n\_10

Probability

$10^0$

$\gamma_{10}$

$\gamma_2$

$\gamma_{10}$

1.0

0.5

0.0

$\cos(\theta)$

0

neutron energy (eV)

Gamma multiplicities distribution

n\_n\_10

20 15 10 5

Probability

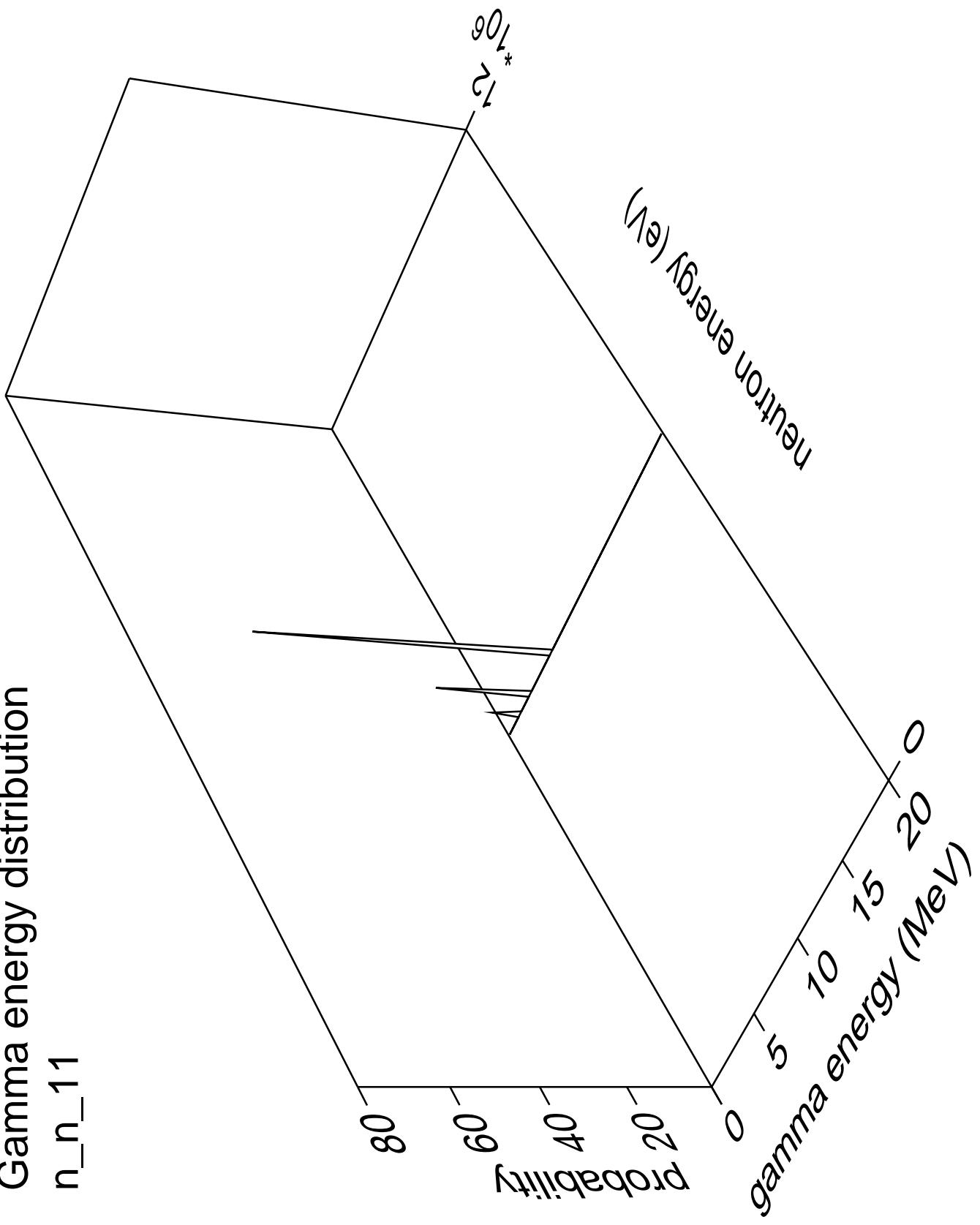
0 0.5 1.0 1.5 2.0 2.5

multiplicity

Neutron energy (eV)

$\Sigma_{10}^{*}$

# Gamma energy distribution $n_{n\_11}$



Gamma angles distribution

n\_n\_11

Probability

$10^0$

$10^{-2}$

$10^{-2}$

$10^{-2}$

1.0

0.5

0.0

$\cos(\theta)$

1.0

0.5

0.0

neutron energy (eV)

## Gamma multiplicities distribution

$n_{n\_11}$

20

15

10

5

0.5

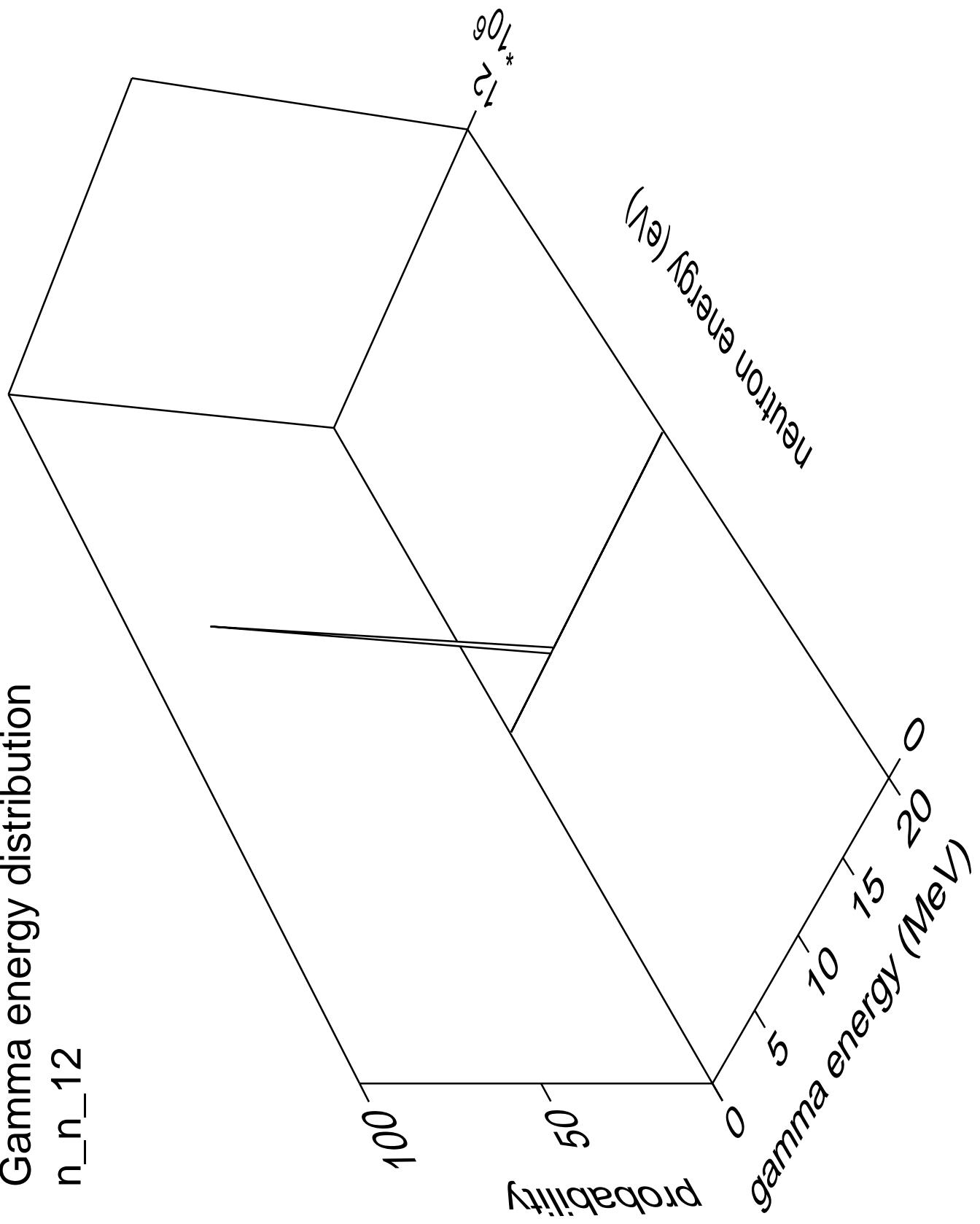
Probability

0 0.5 1.0 1.5 2.0 2.5  
multiplicity

Neutron energy (eV)

$\sim 10^6$

Gamma energy distribution  
n\_n\_12



Gamma angles distribution

$n_{n\_12}$

Probability

$10^0$

$10^{-2}$

$10^{-2}$

$10^{-2}$

neutron energy (eV)

cos(theta)

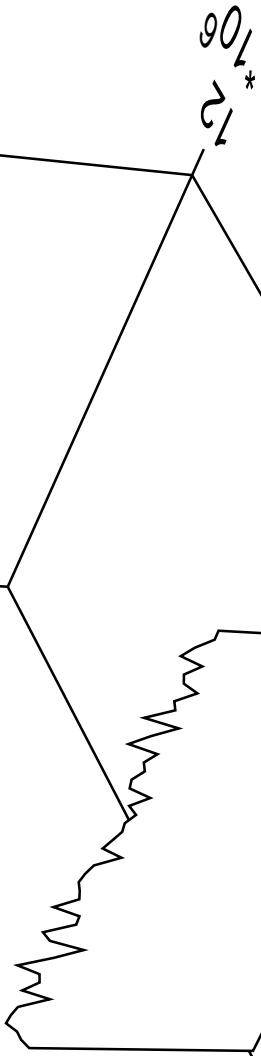
1.0

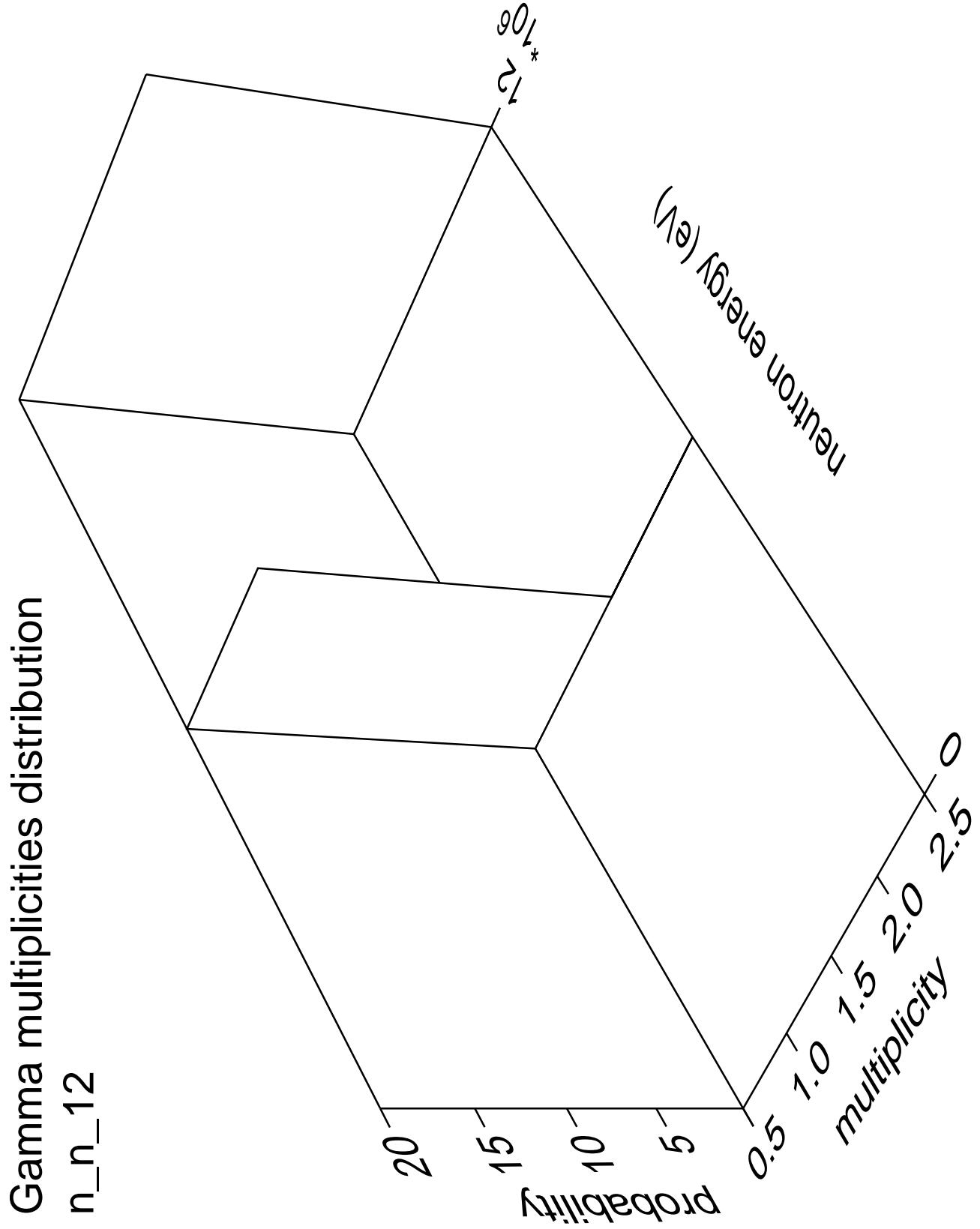
0.5

0.0

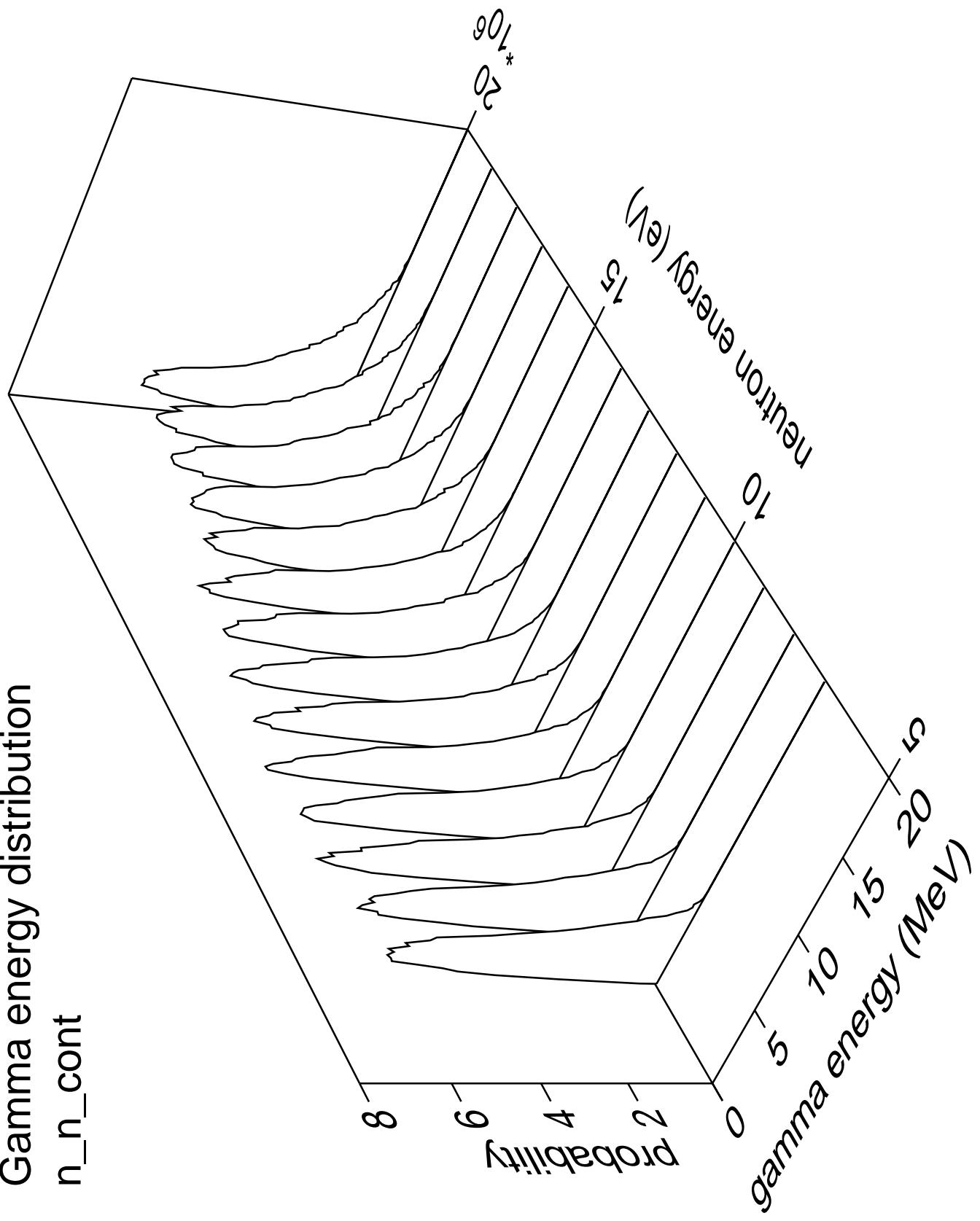
-0.5

-1.0



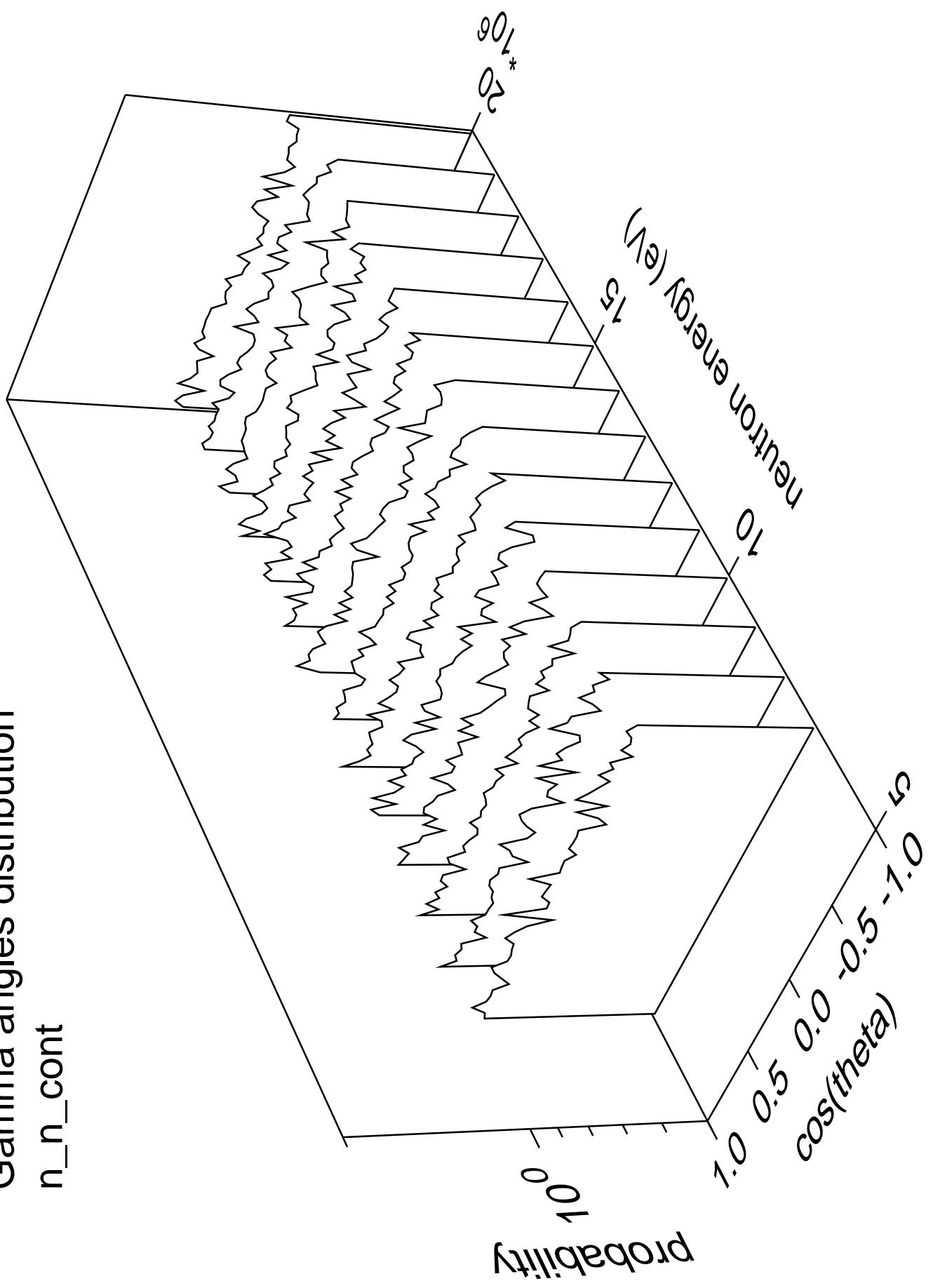


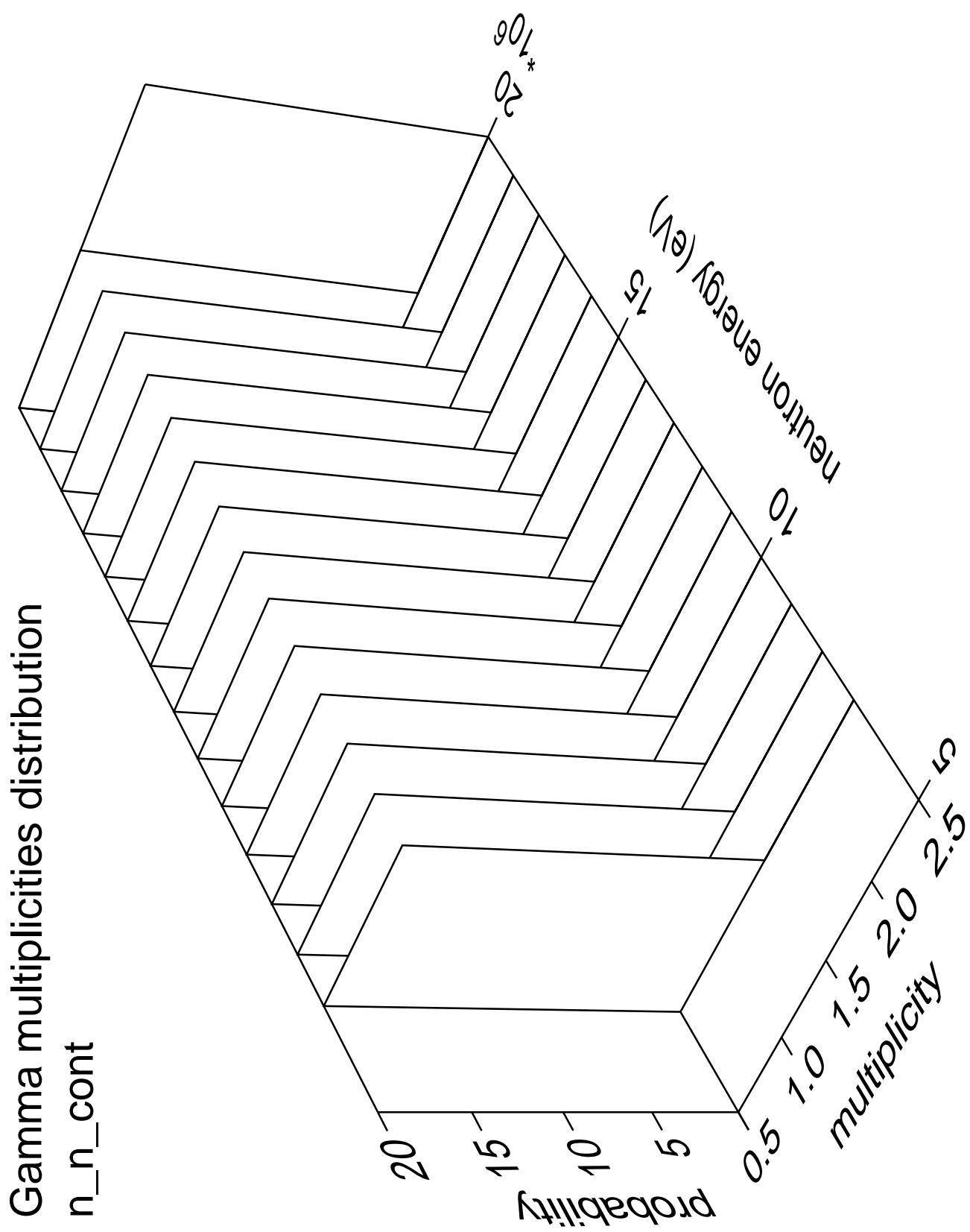
Gamma energy distribution  
n\_n\_cont

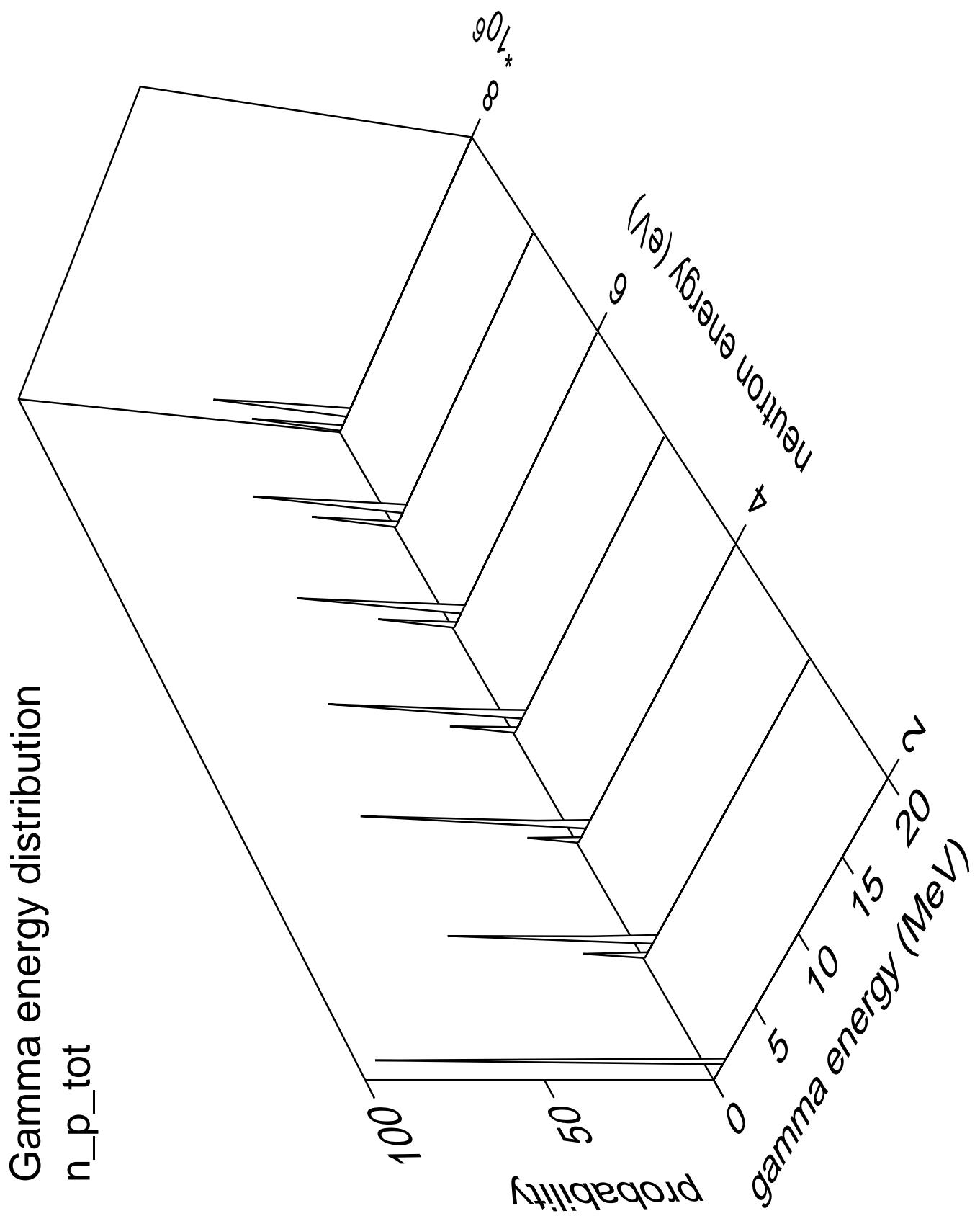


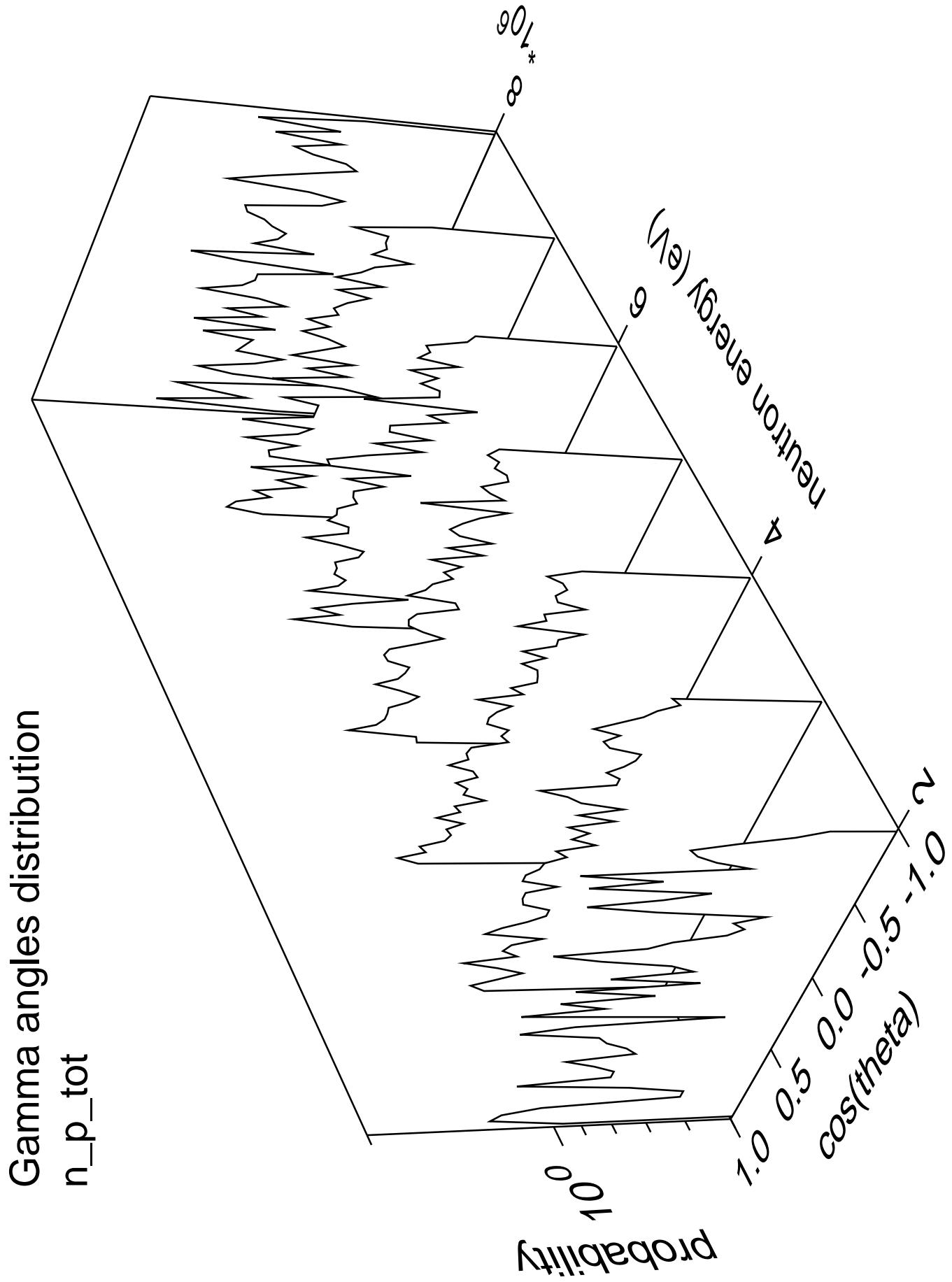
Gamma angles distribution

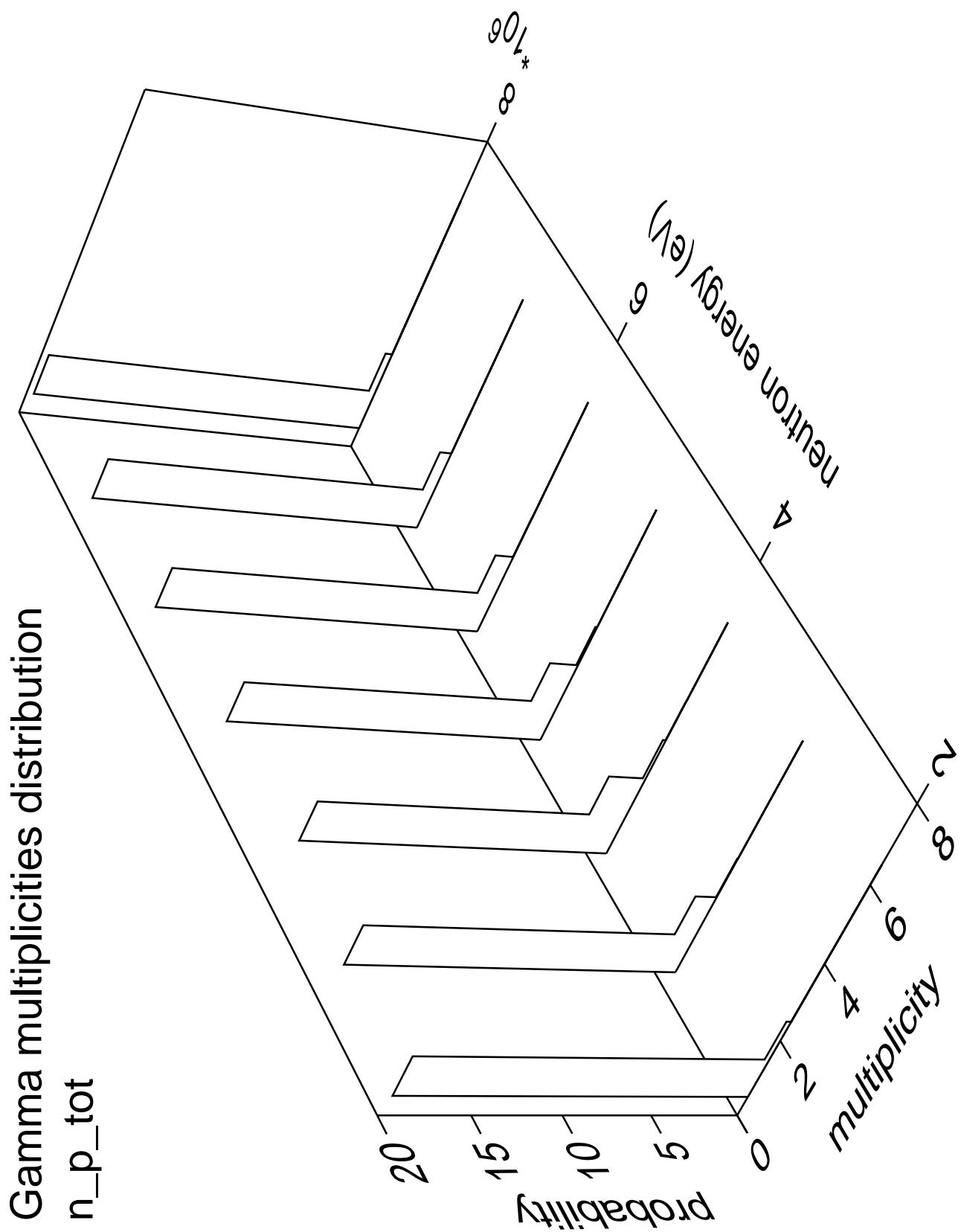
n\_n\_cont

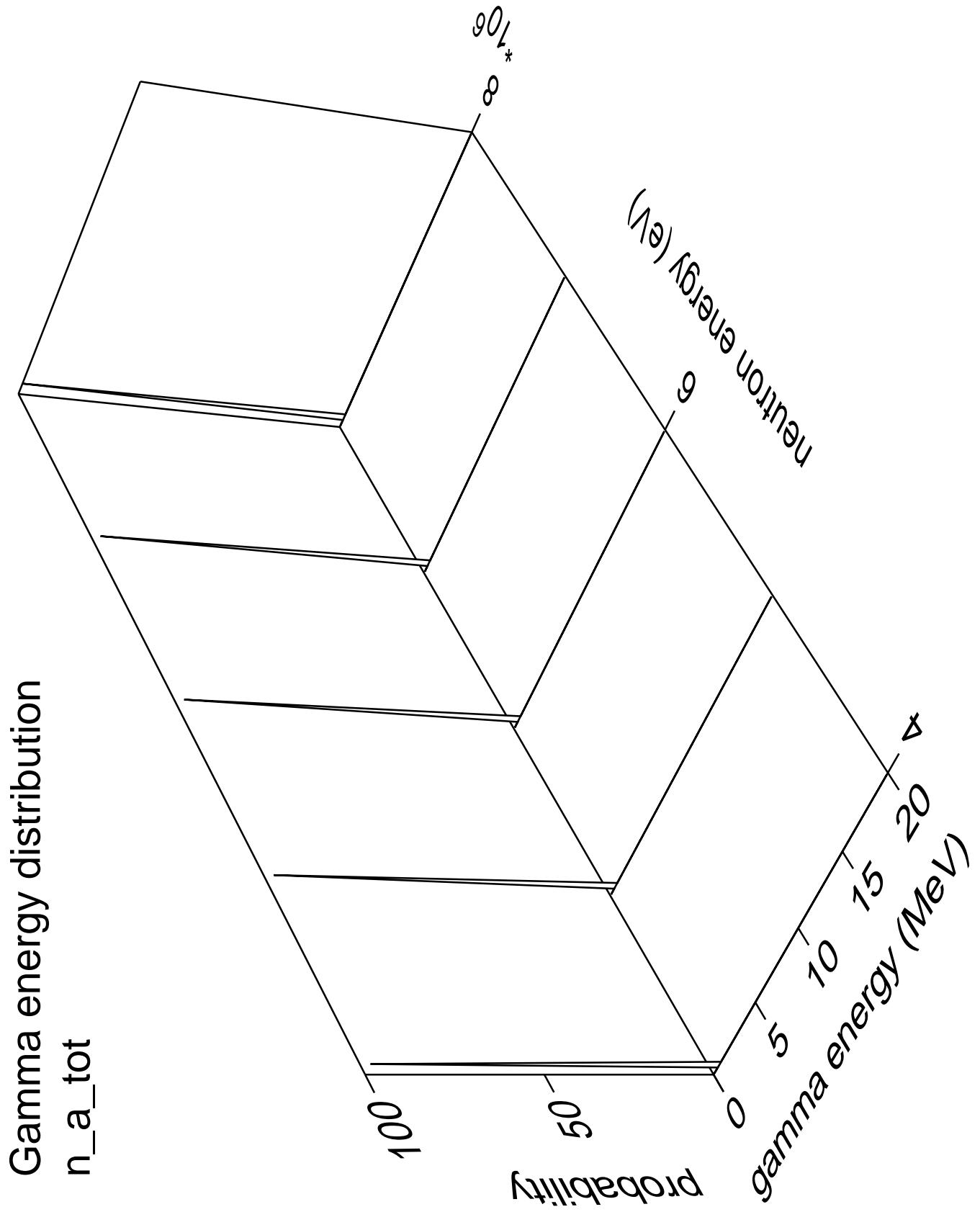












Gamma angles distribution  
 $n_a_{tot}$

