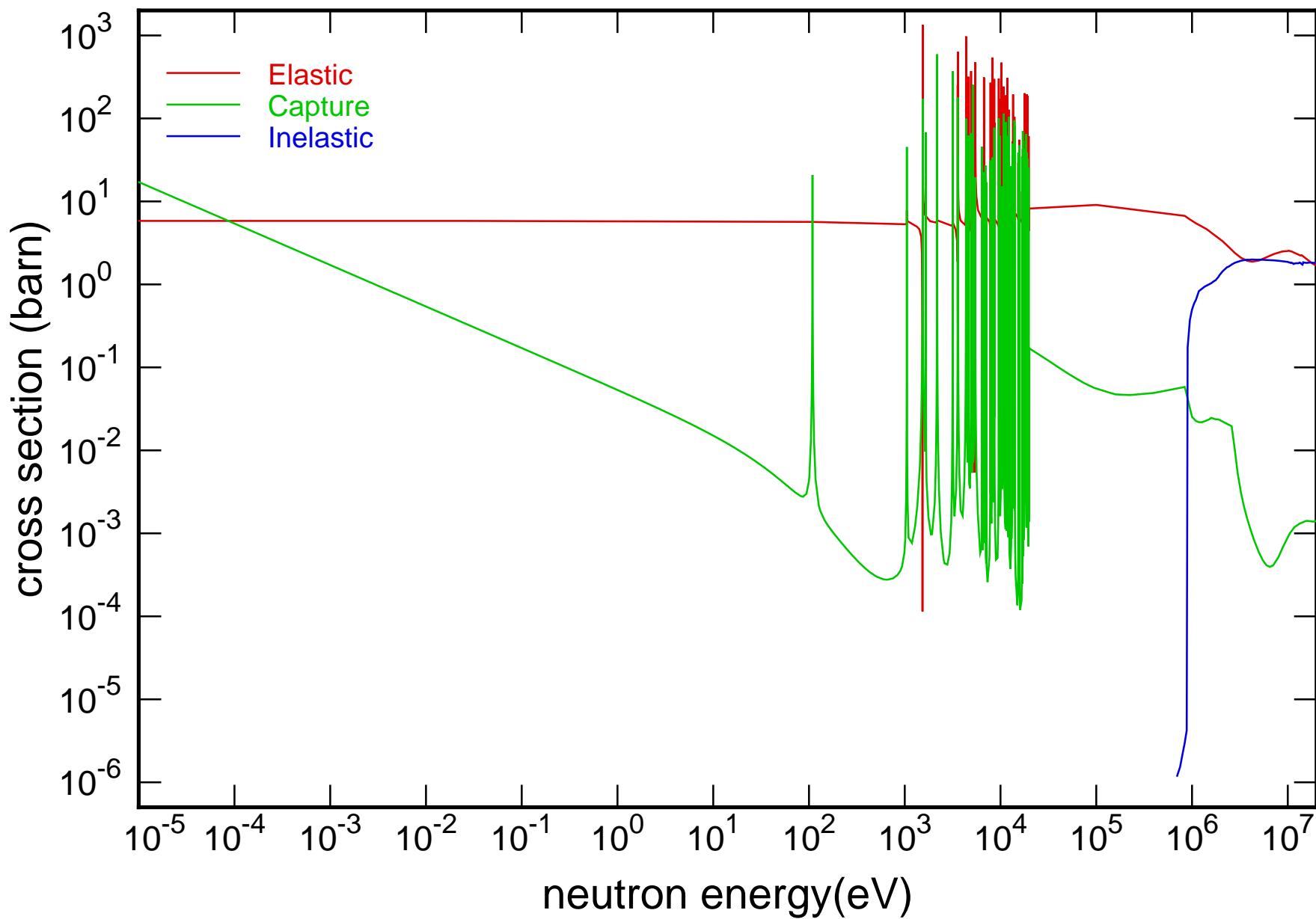
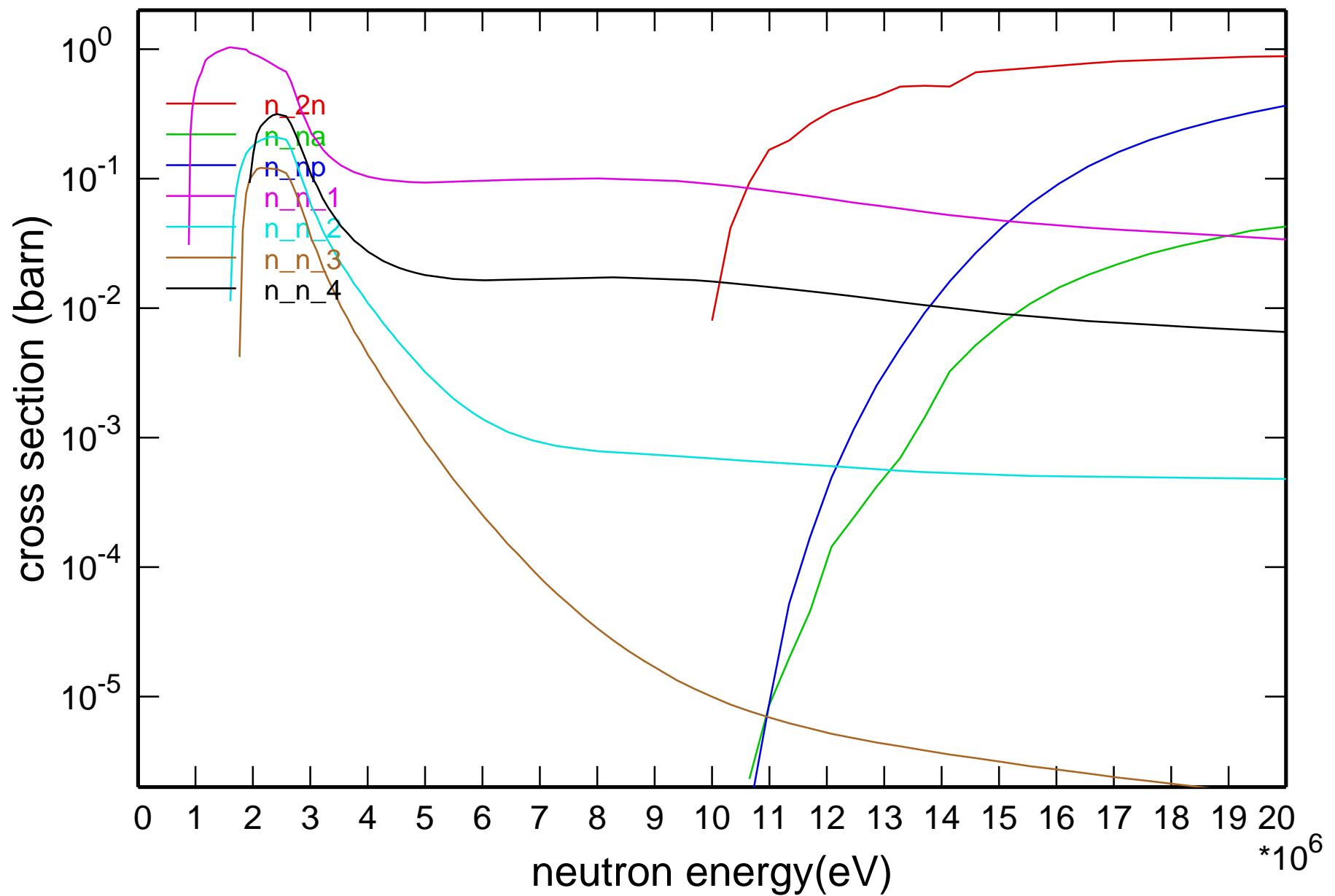


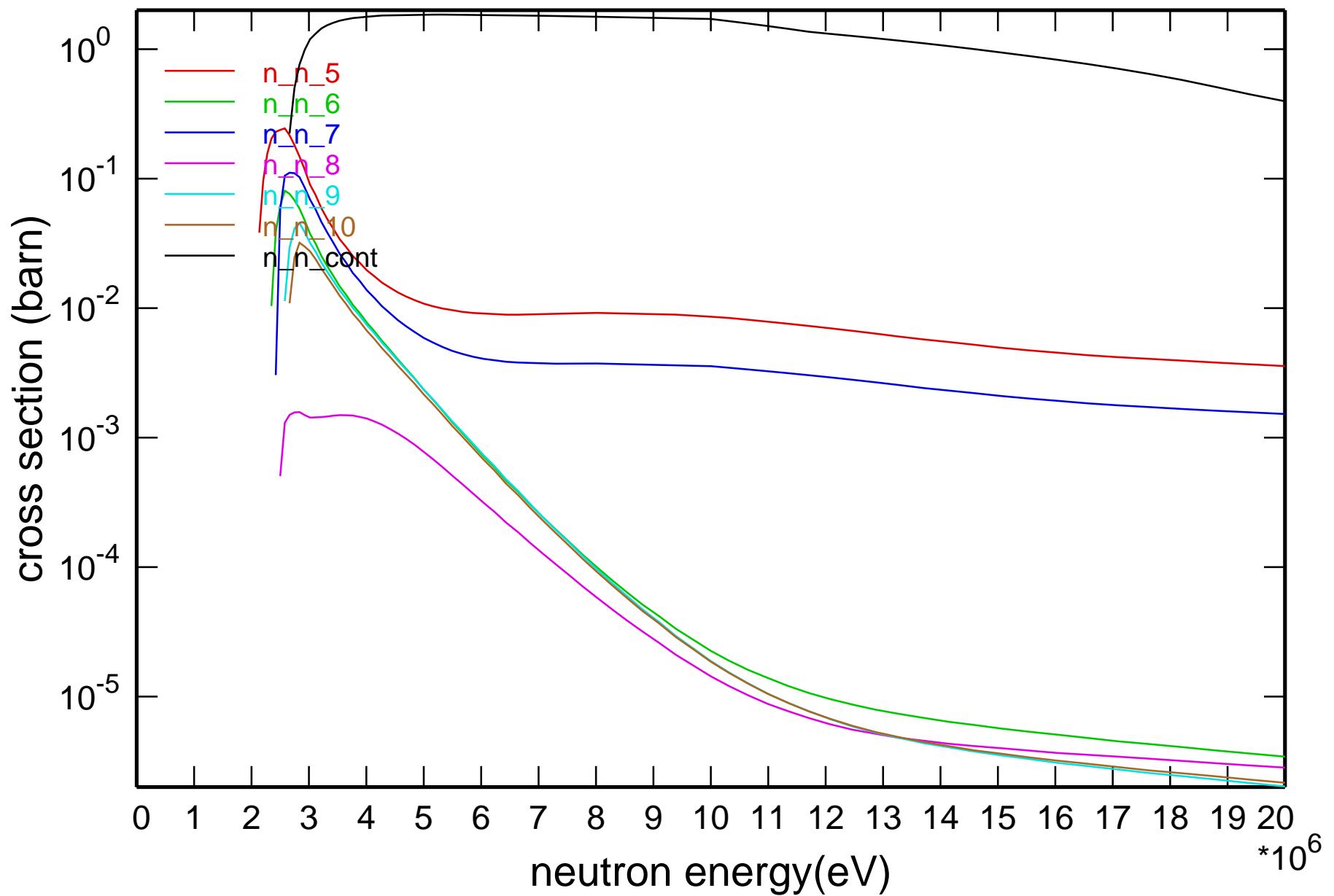
## Main Cross Sections



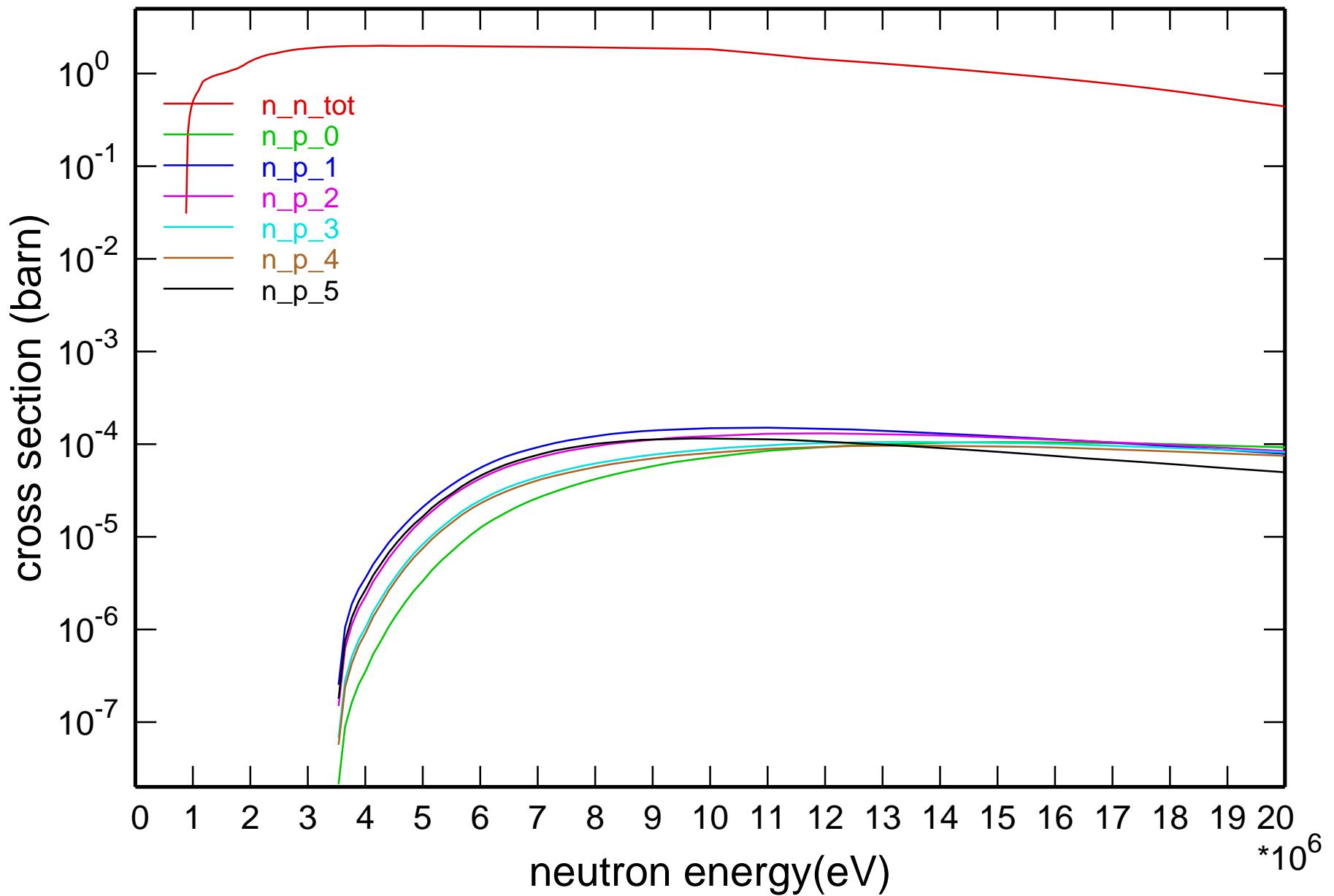
# Cross Section

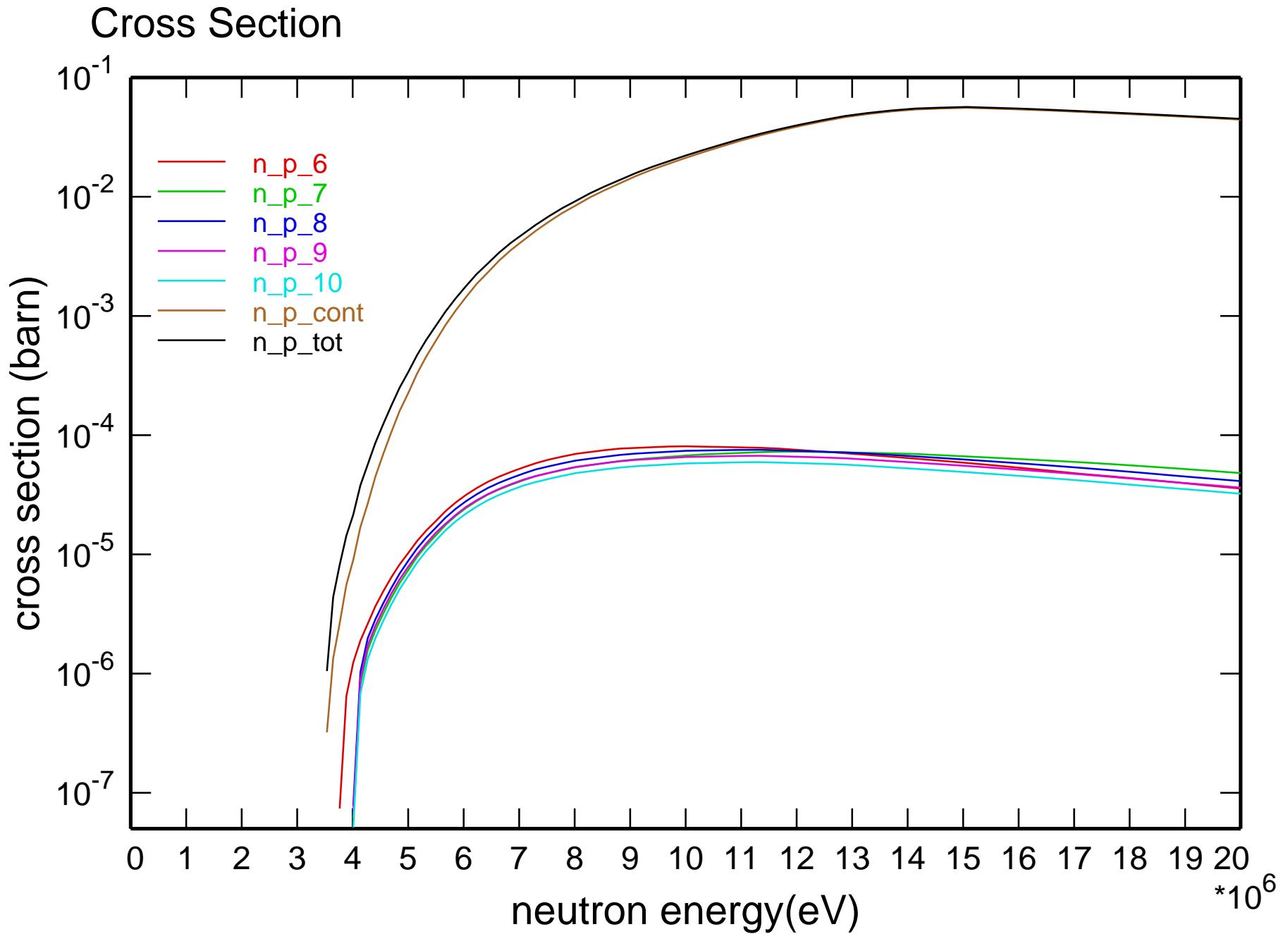


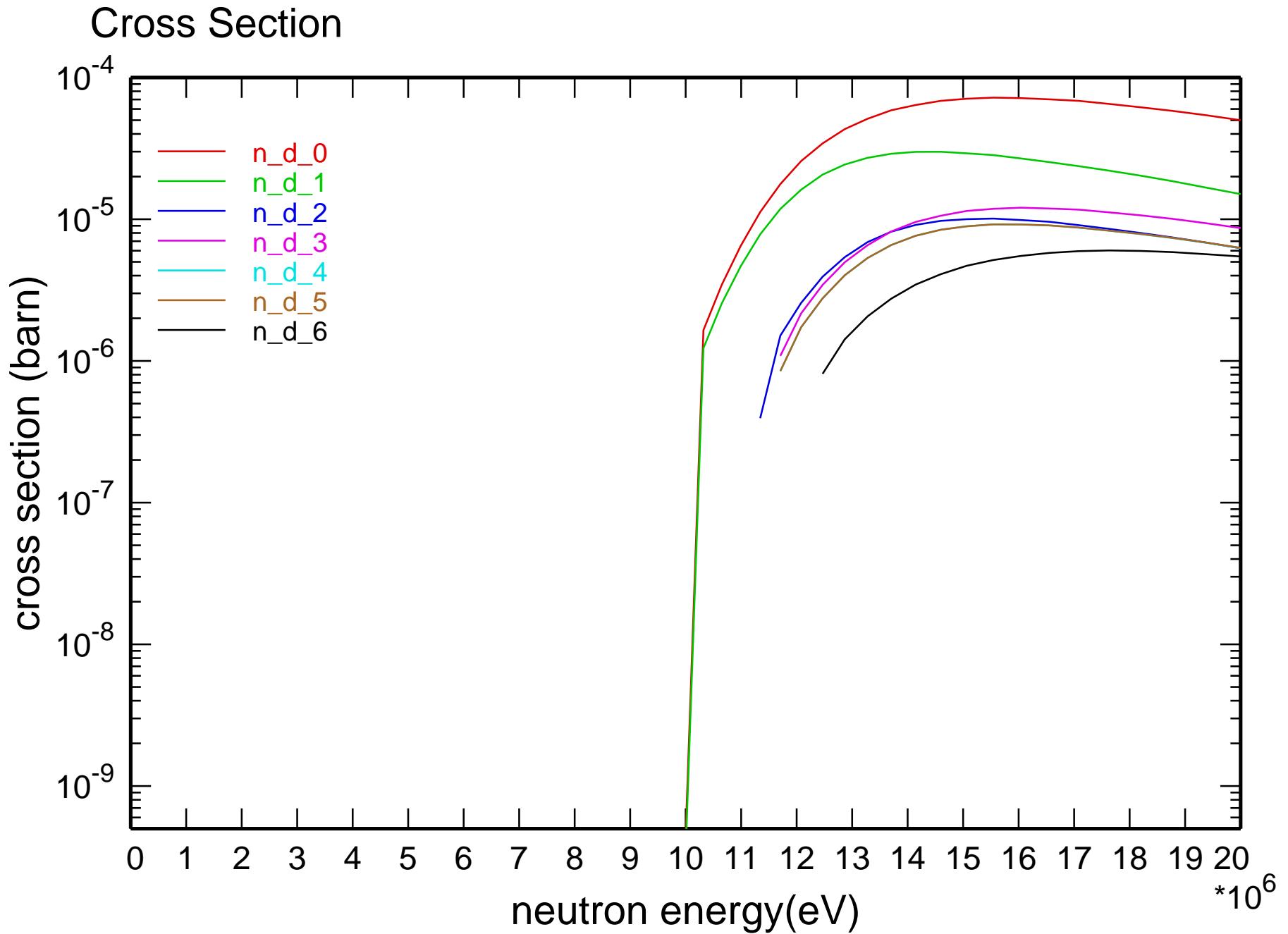
# Cross Section



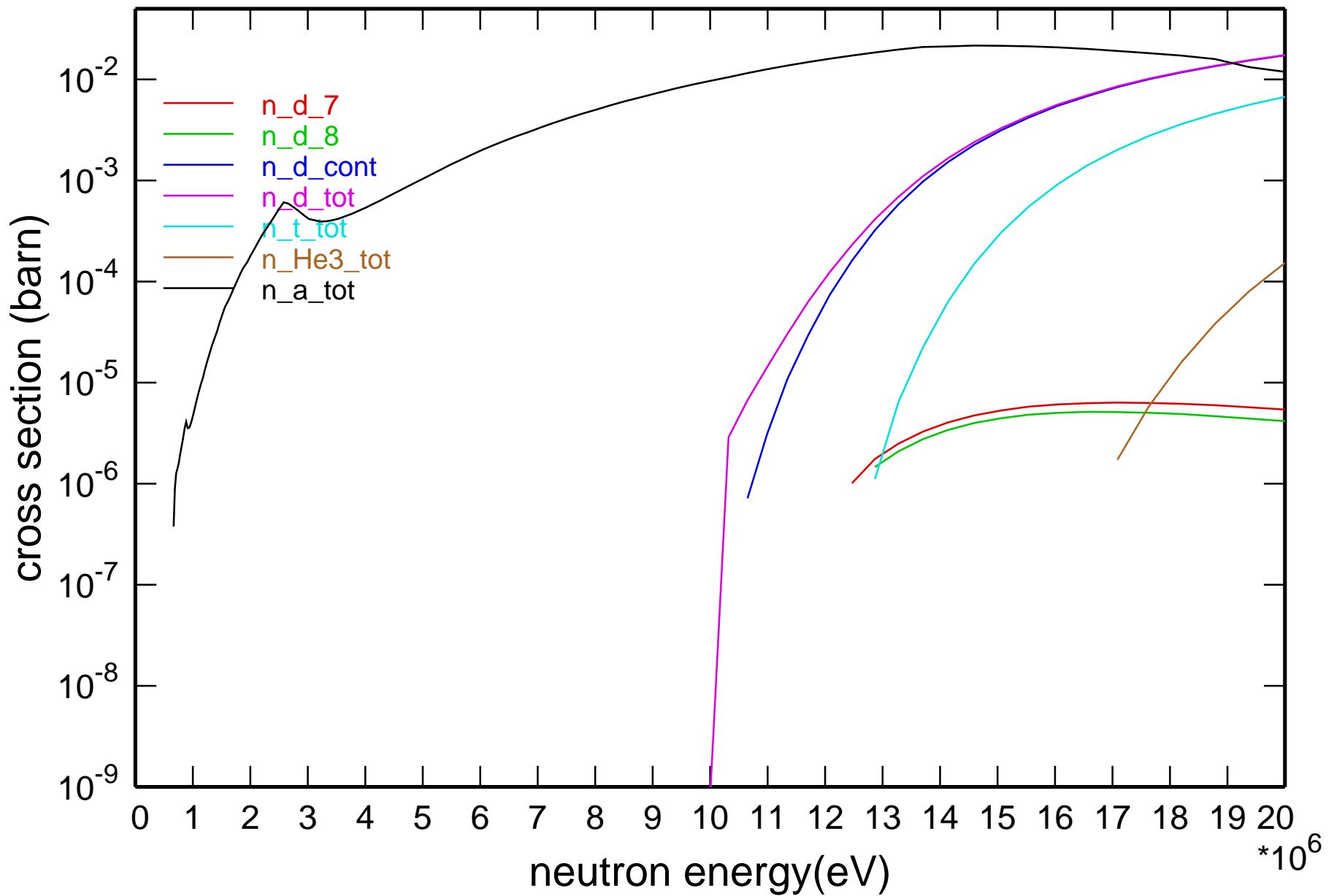
# Cross Section

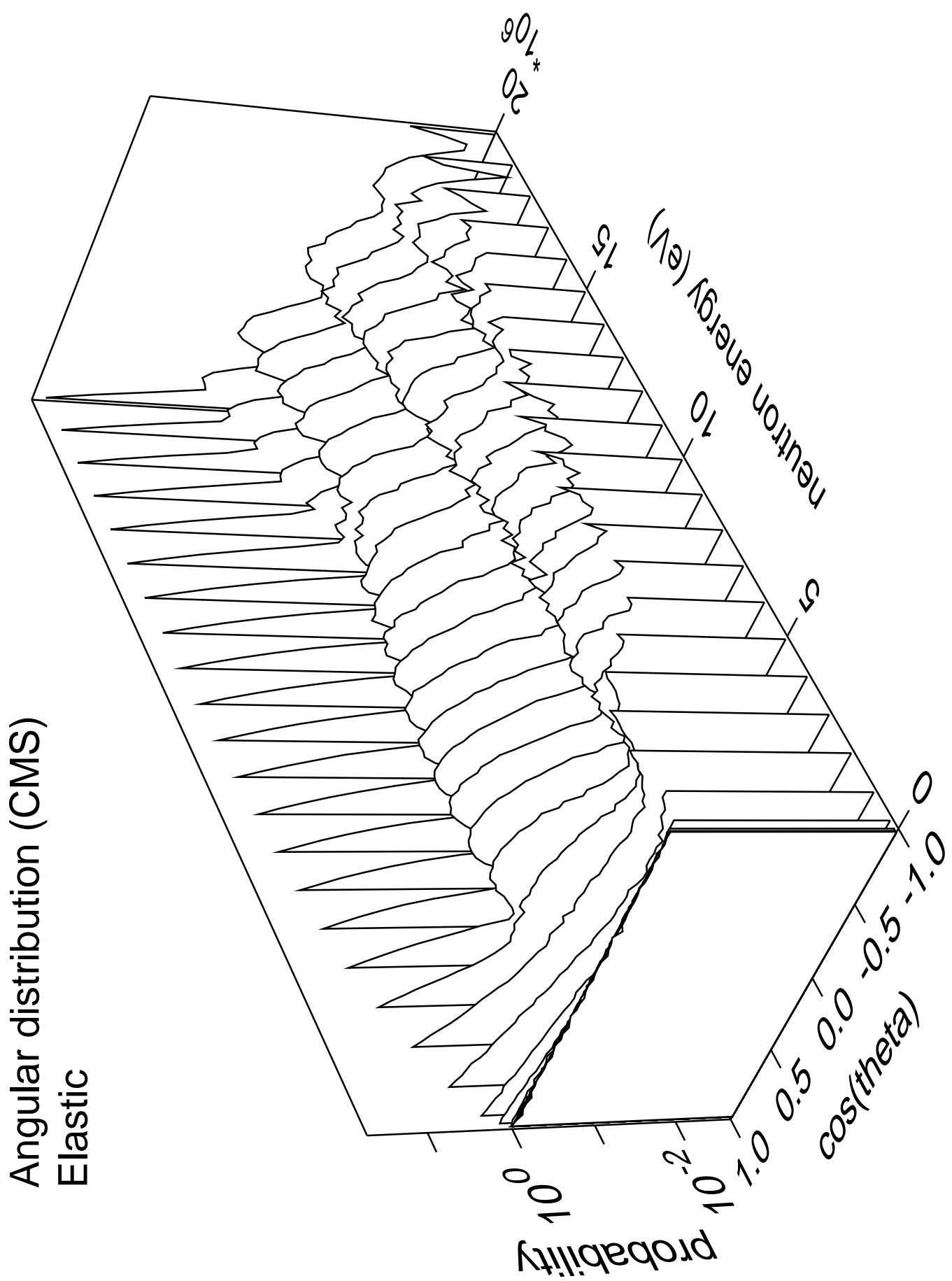




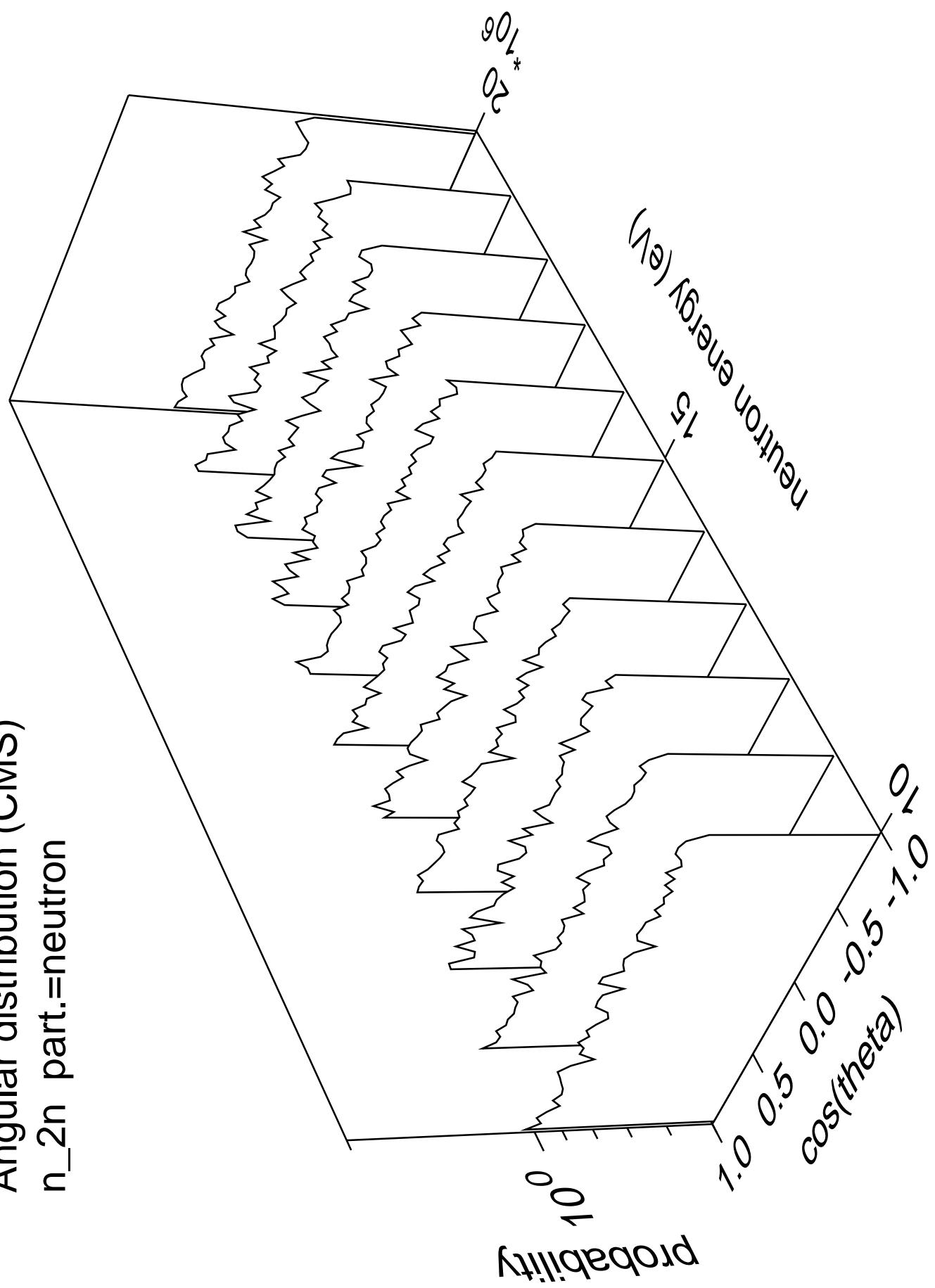


# Cross Section

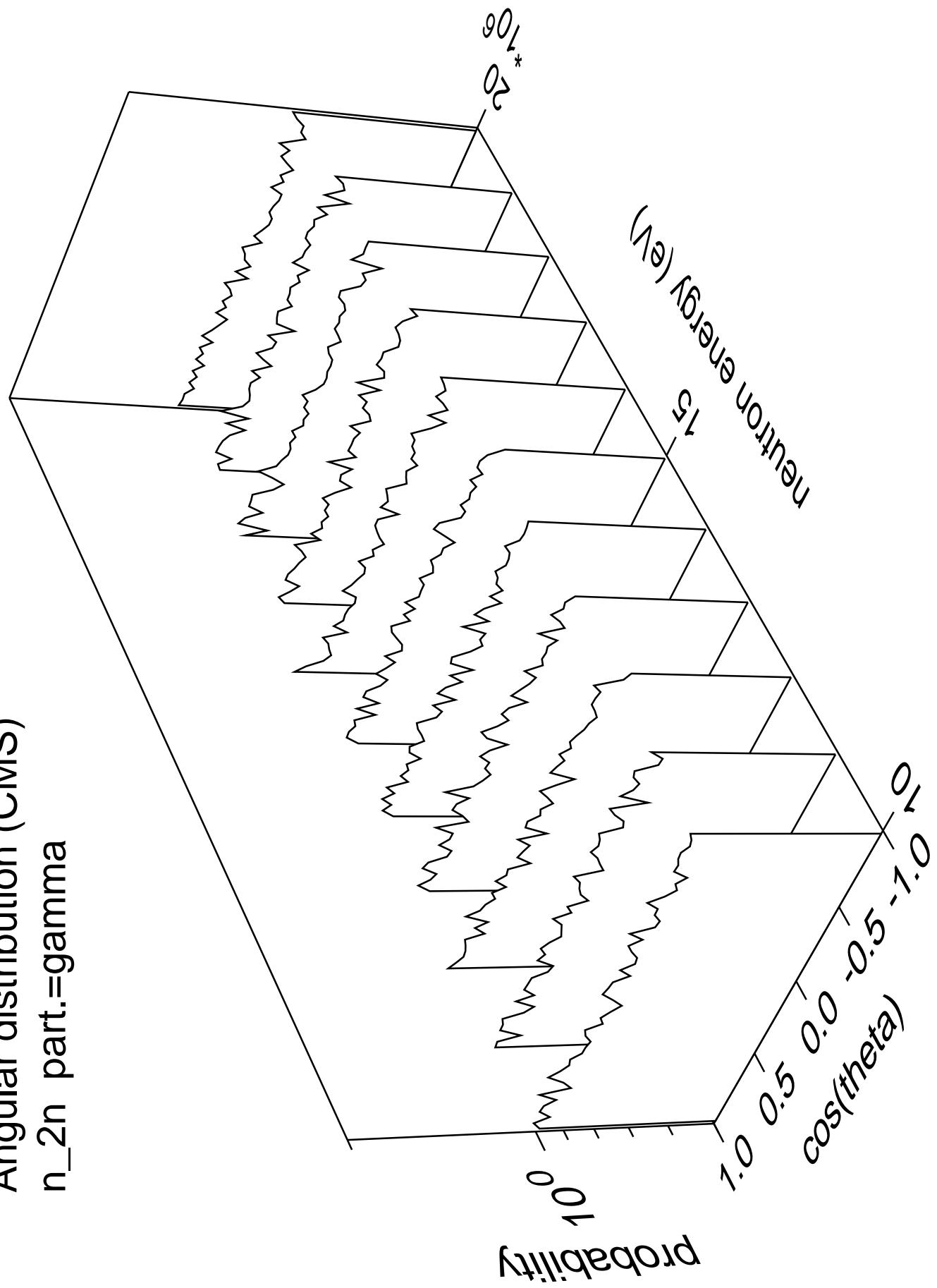




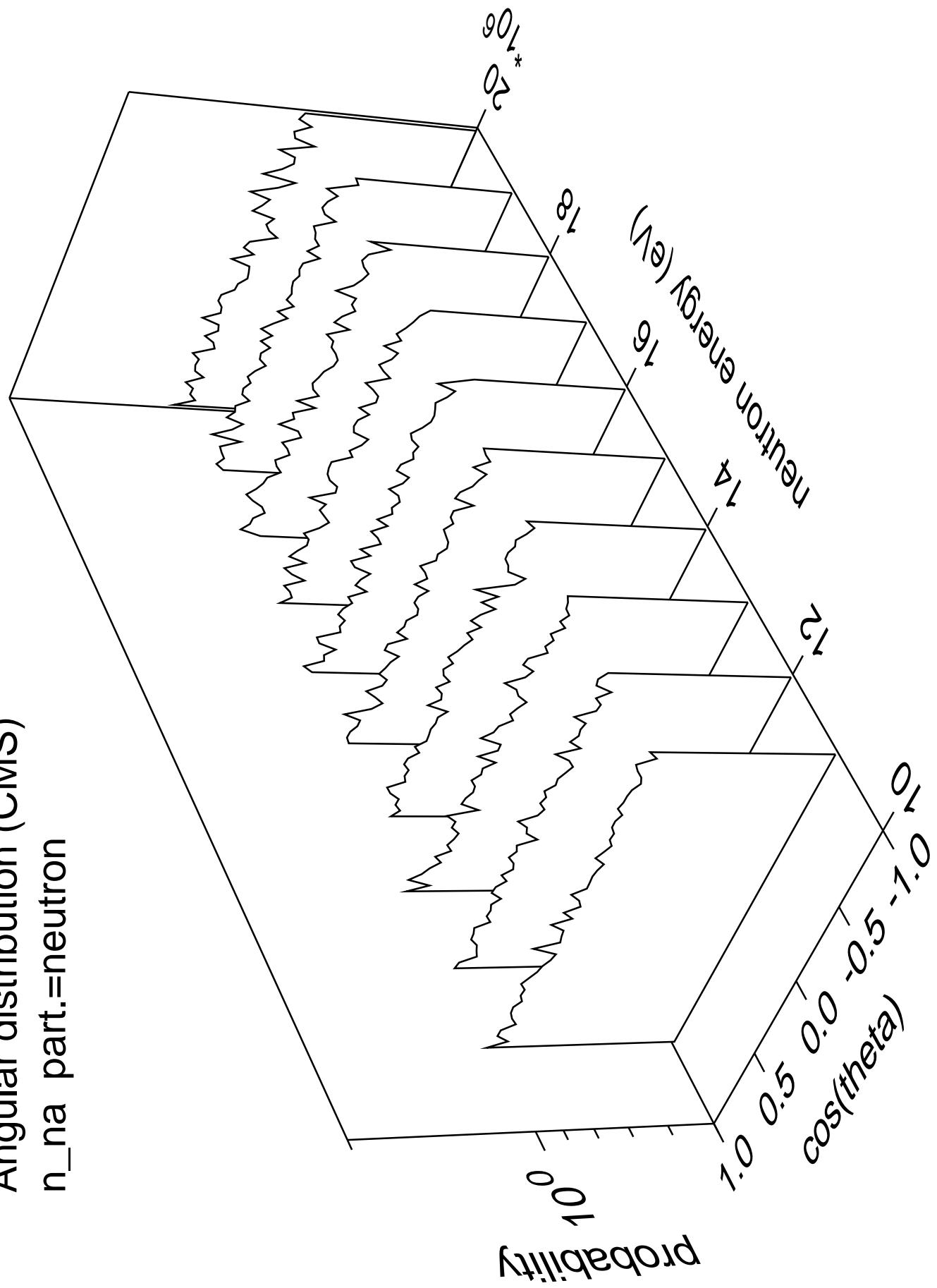
Angular distribution (CMS)  
 $n_{2n}$  part.=neutron



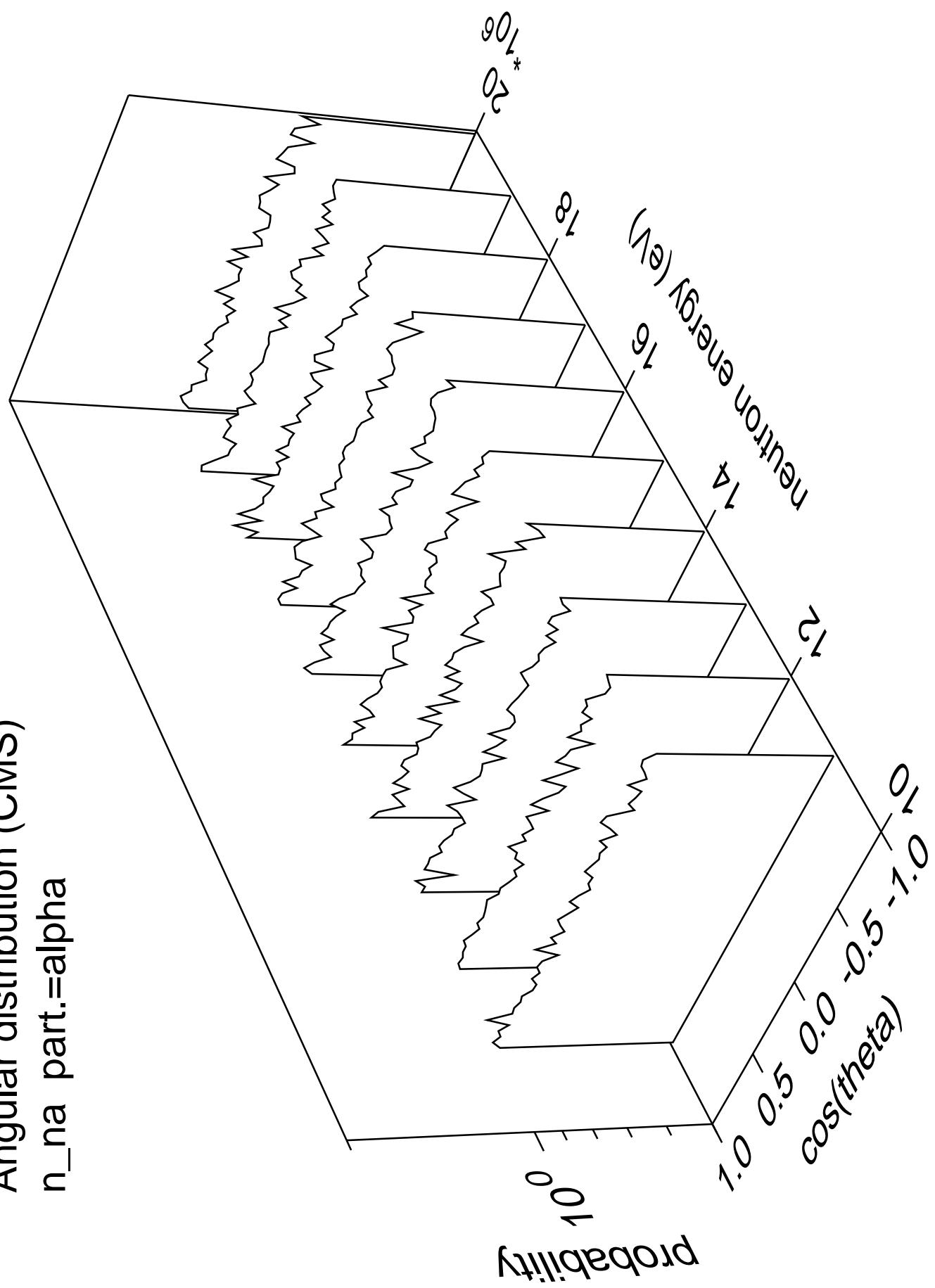
Angular distribution (CMS)  
 $n_{2n}$  part.=gamma



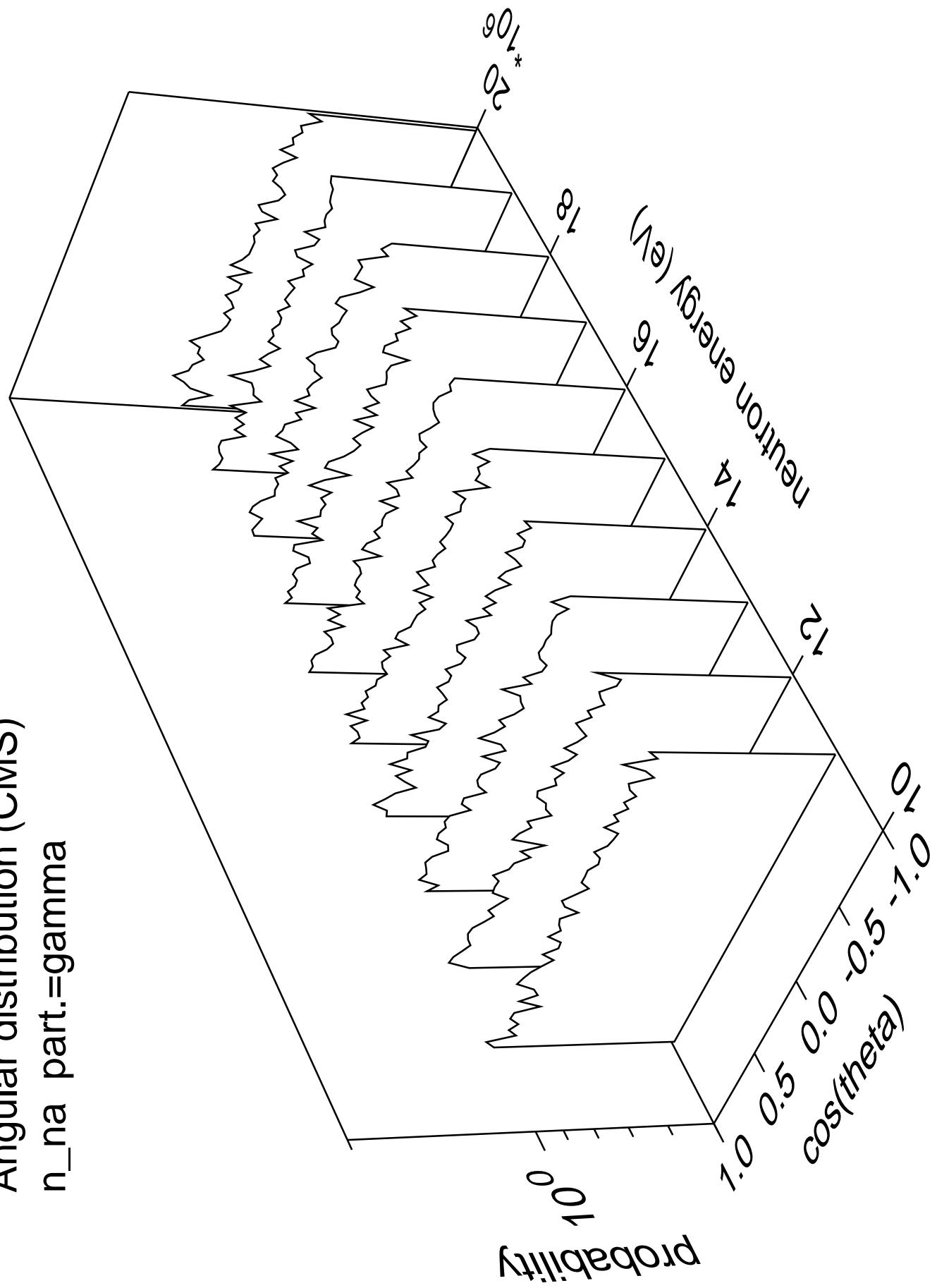
Angular distribution (CMS)  
 $n_{na}$  part.=neutron



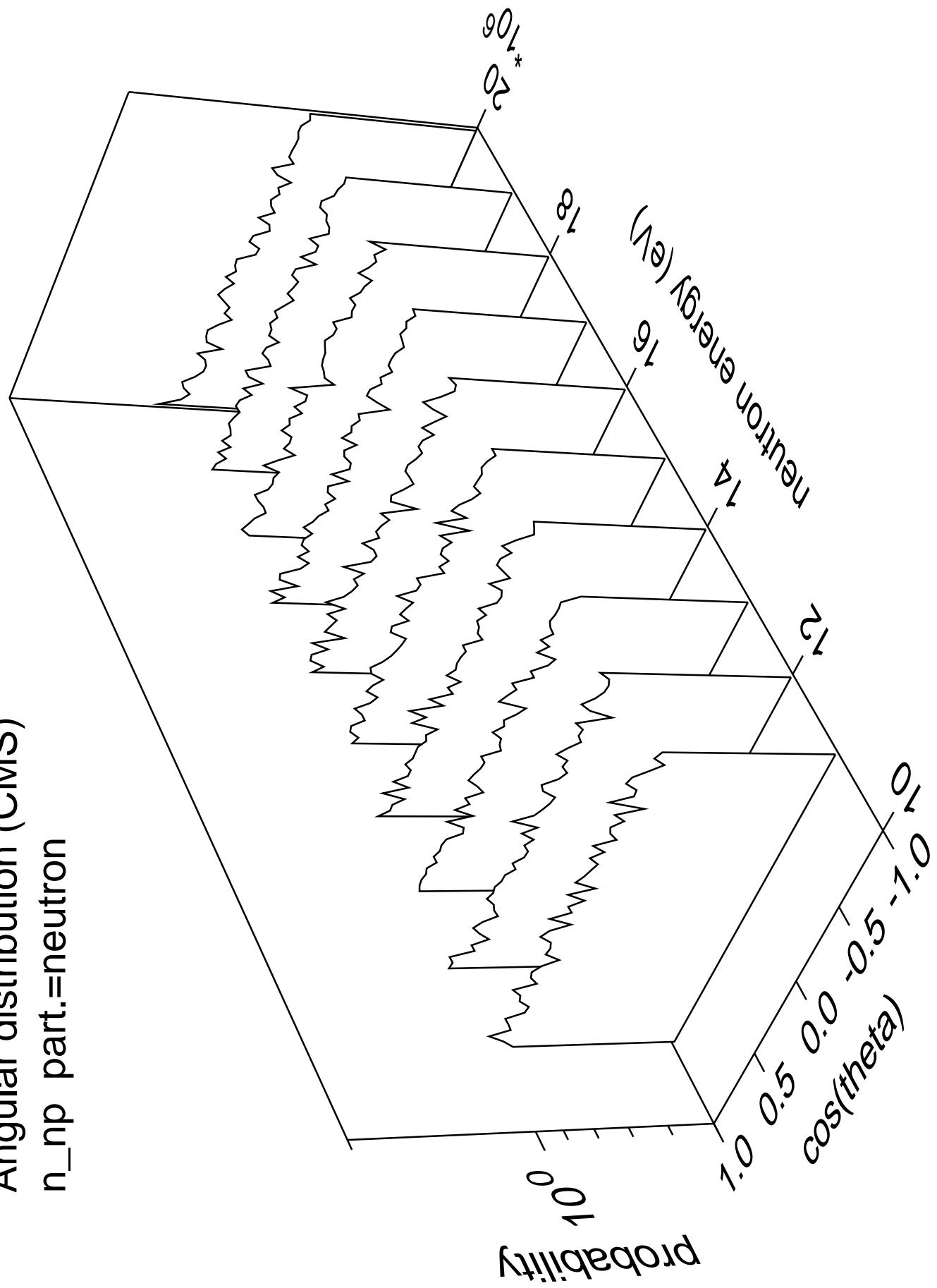
Angular distribution (CMS)  
 $n_{\text{na}}$  part.=alpha



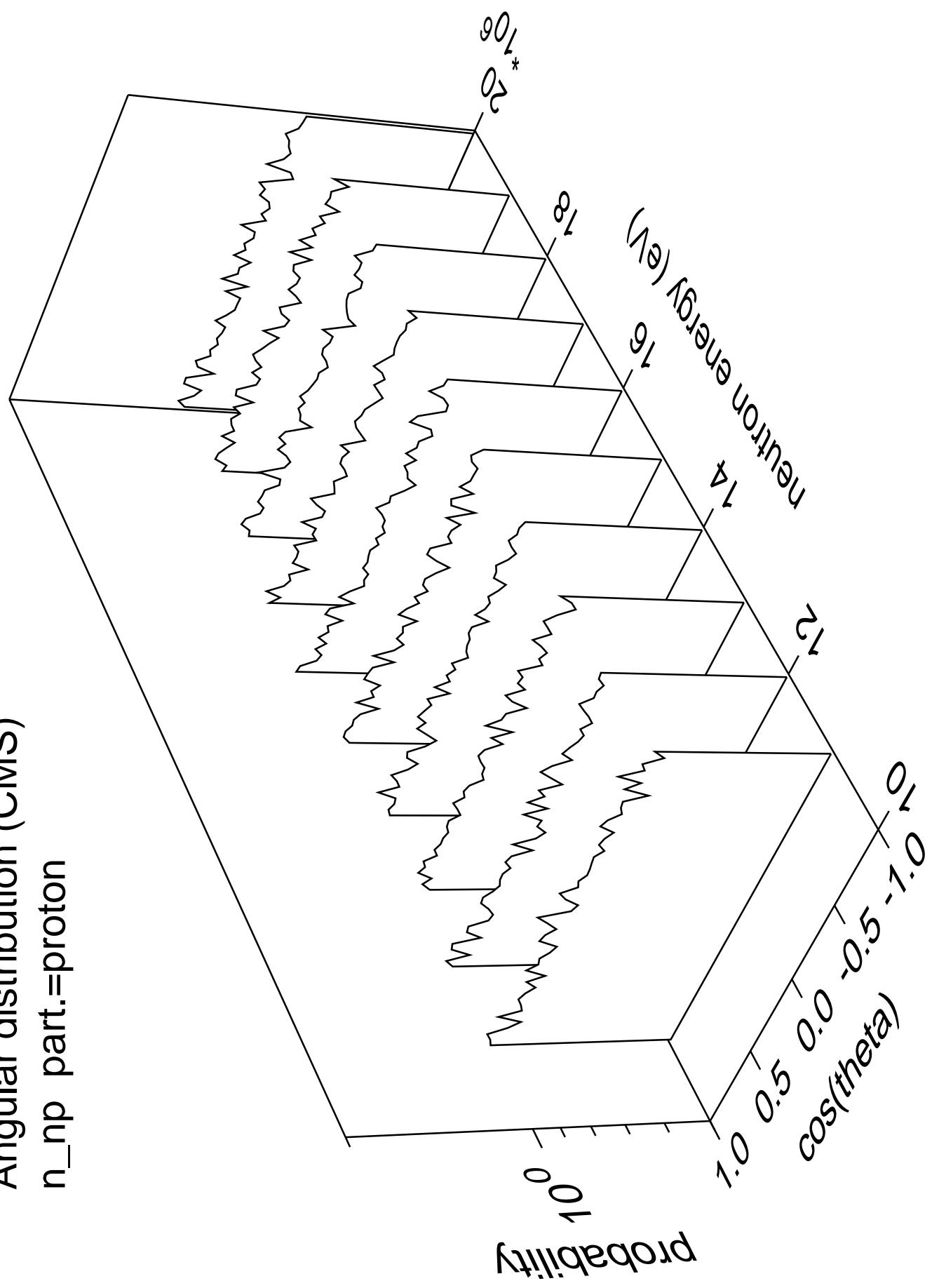
Angular distribution (CMS)  
 $n_{\text{na}}$  part.=gamma



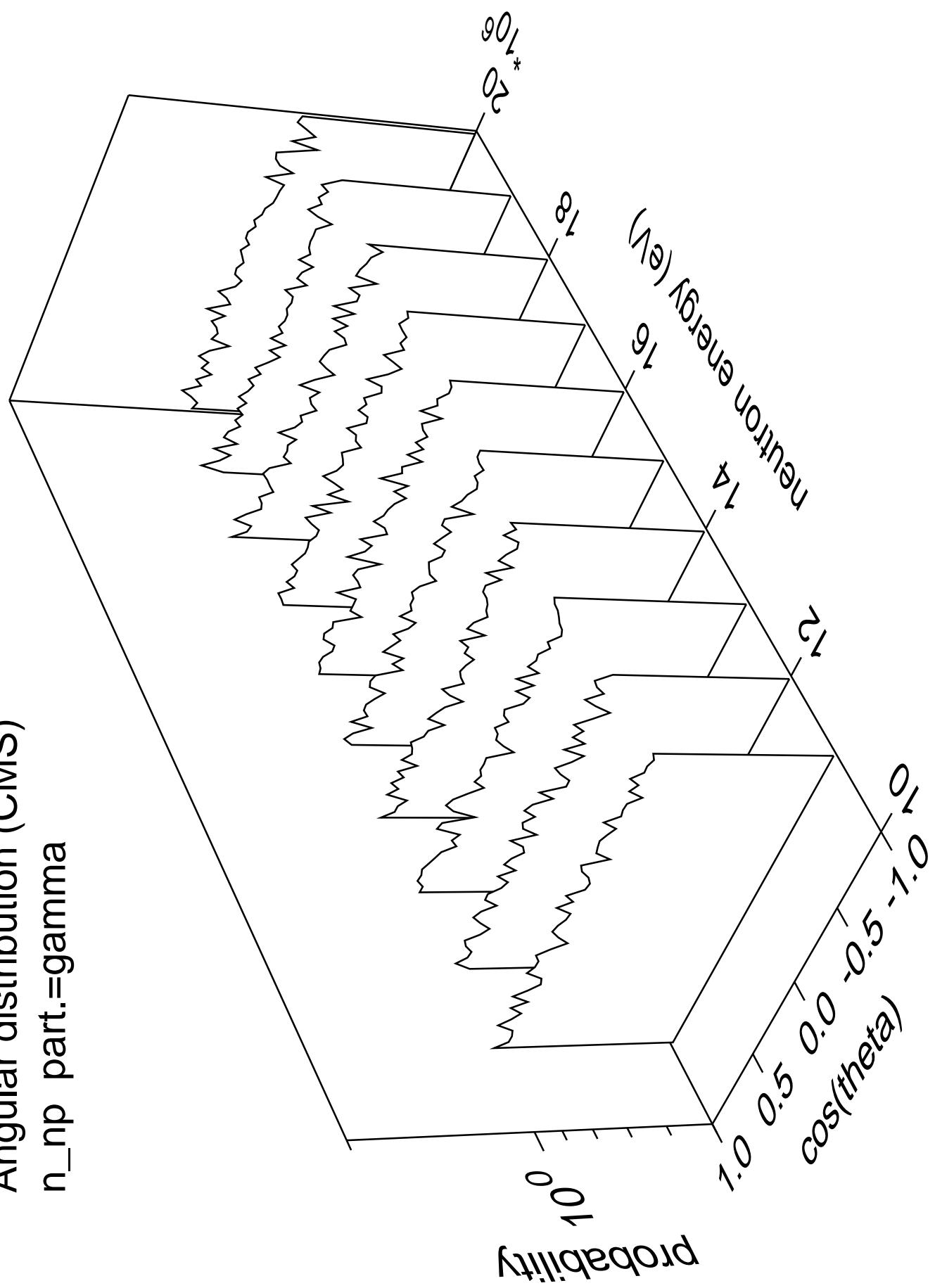
Angular distribution (CMS)  
 $n_{np}$  part.=neutron

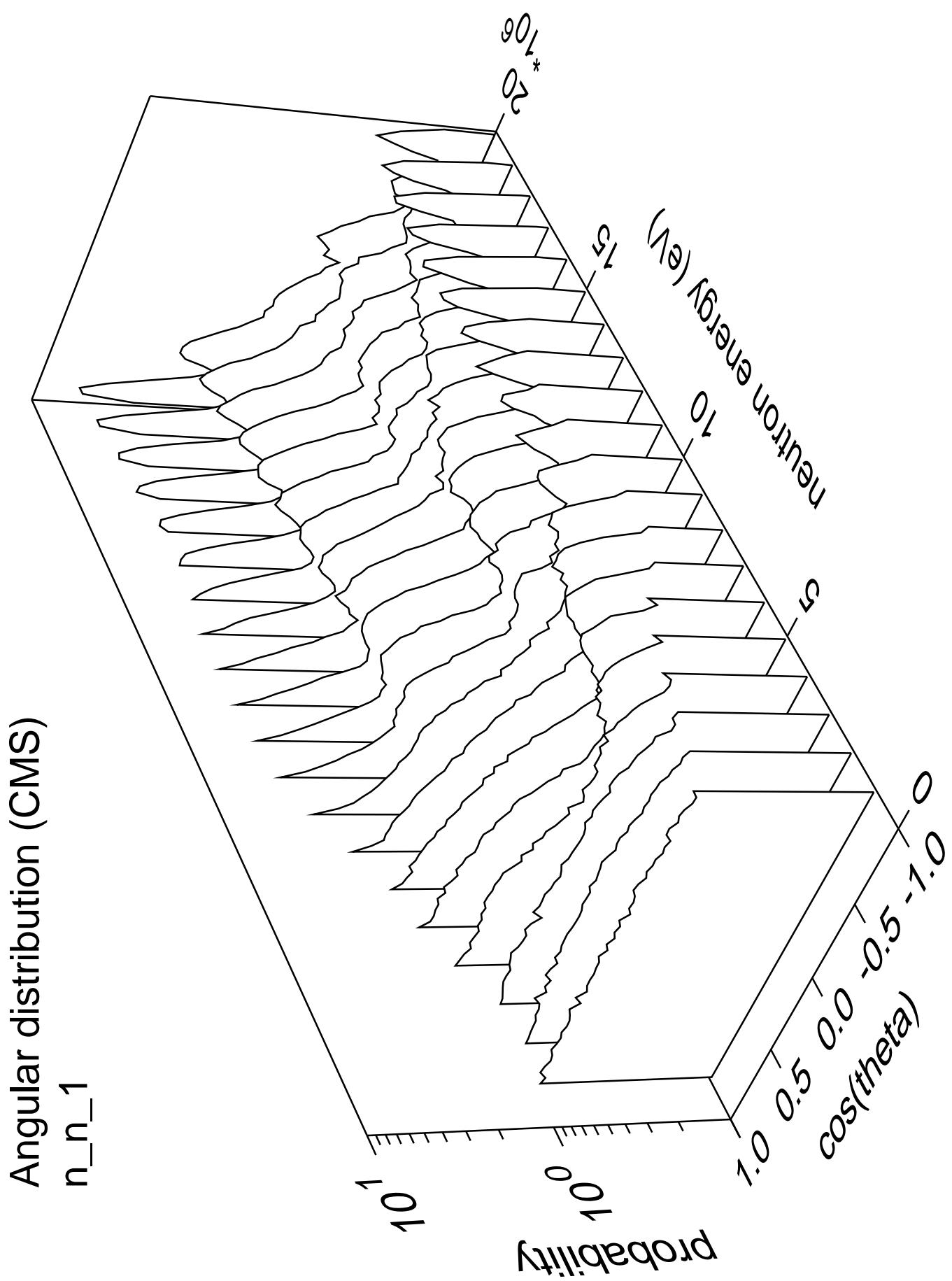


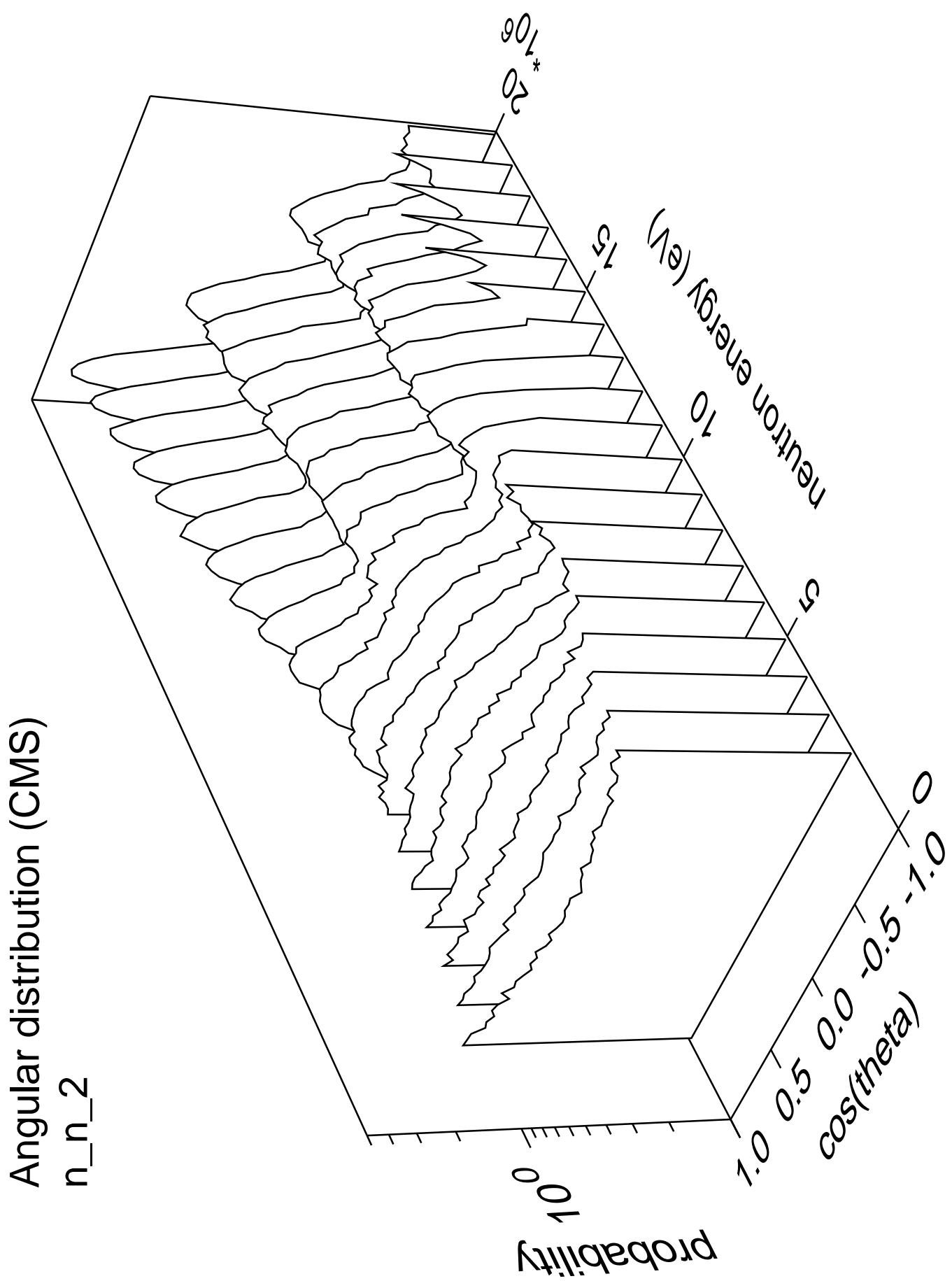
Angular distribution (CMS)  
 $n_{np}$  part.=proton

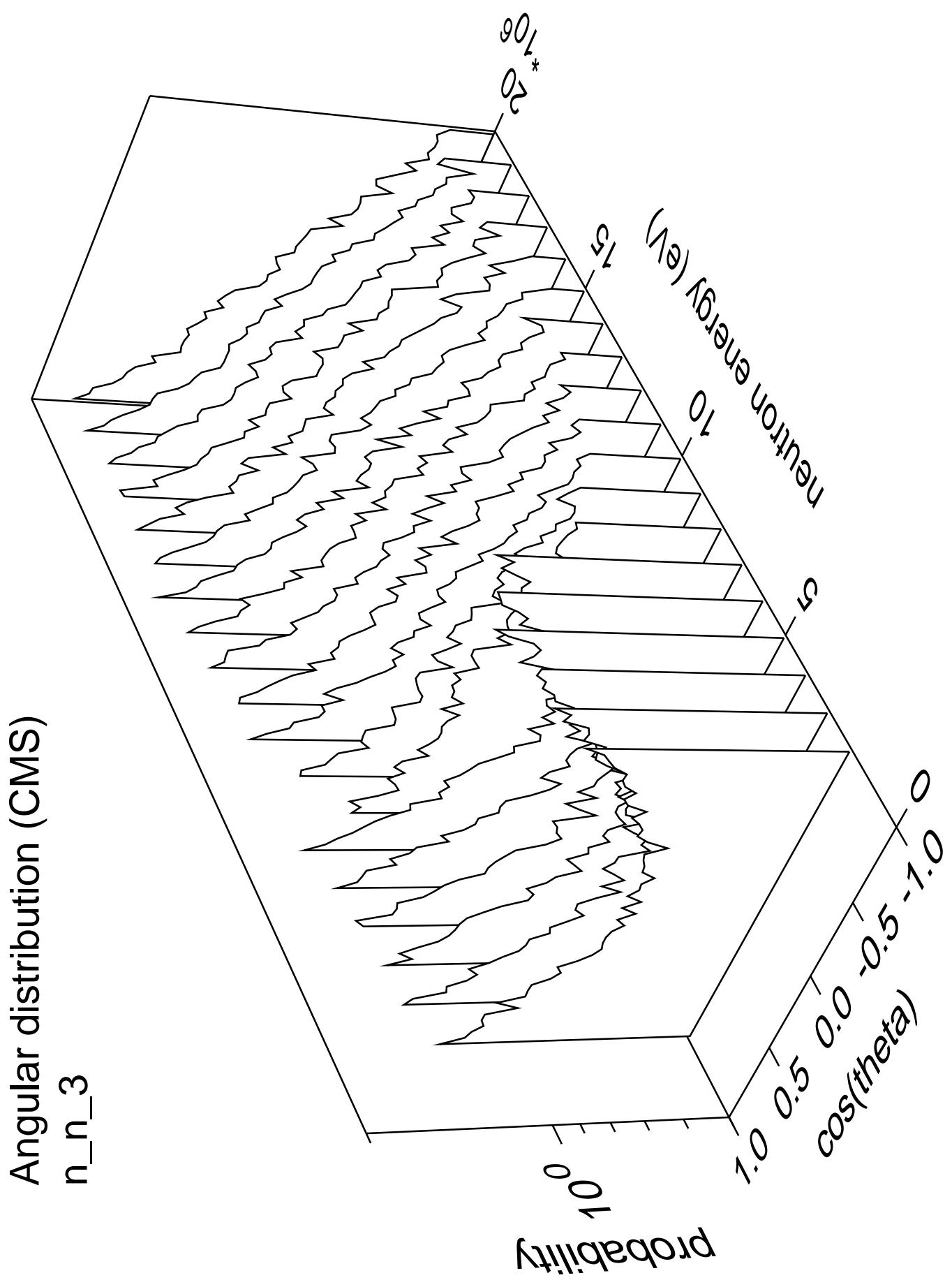


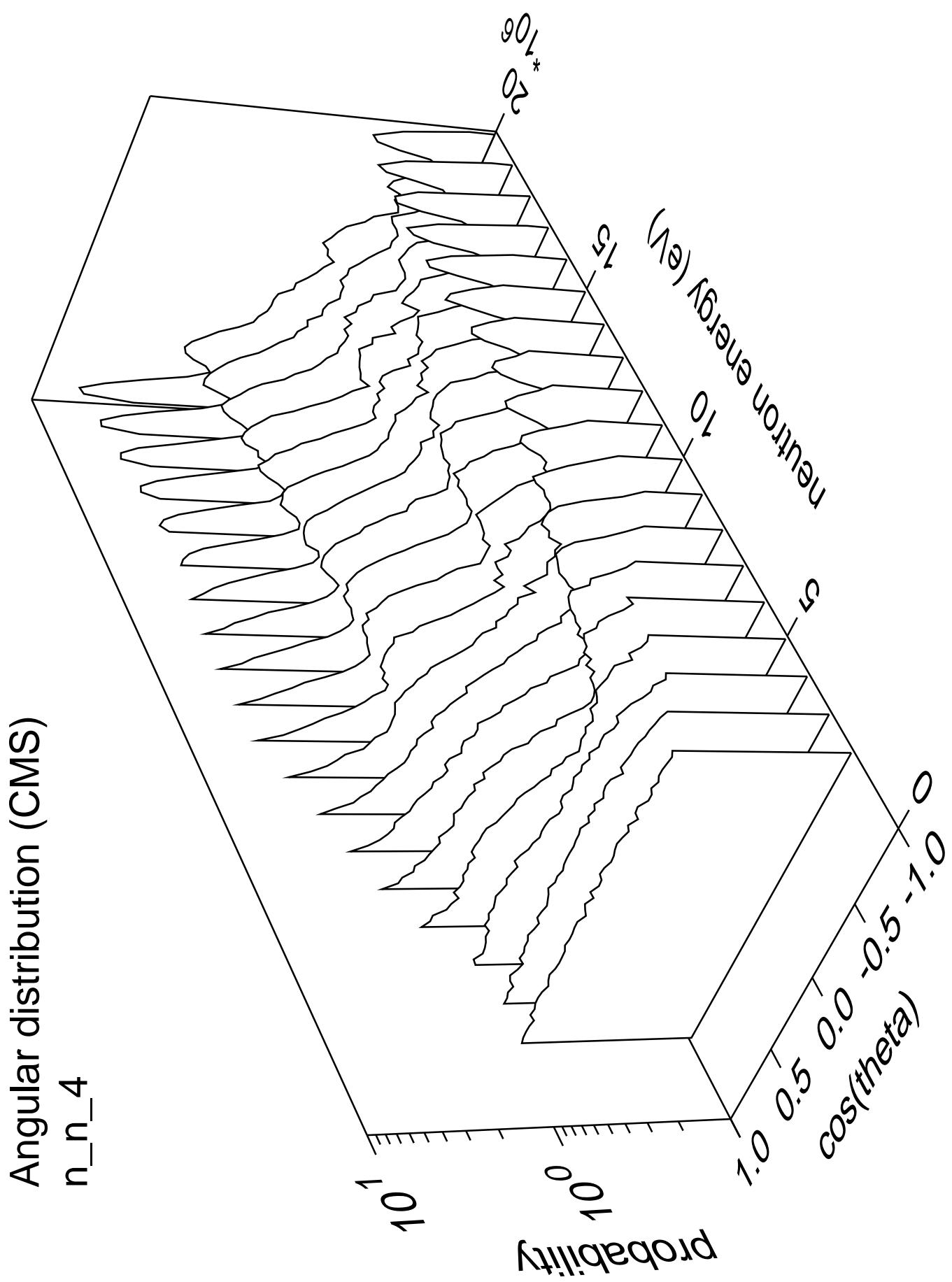
Angular distribution (CMS)  
 $n_{np}$  part.=gamma

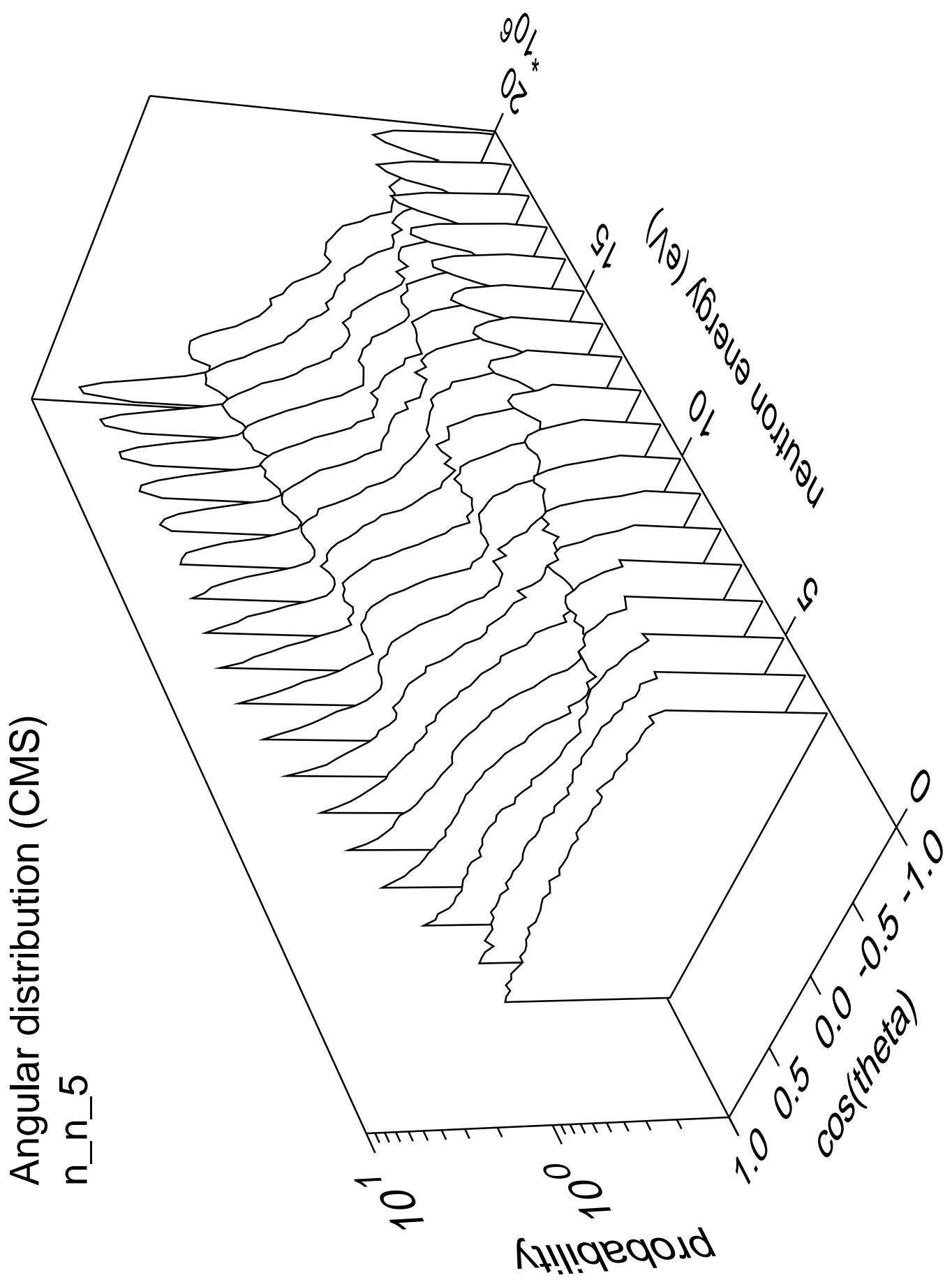


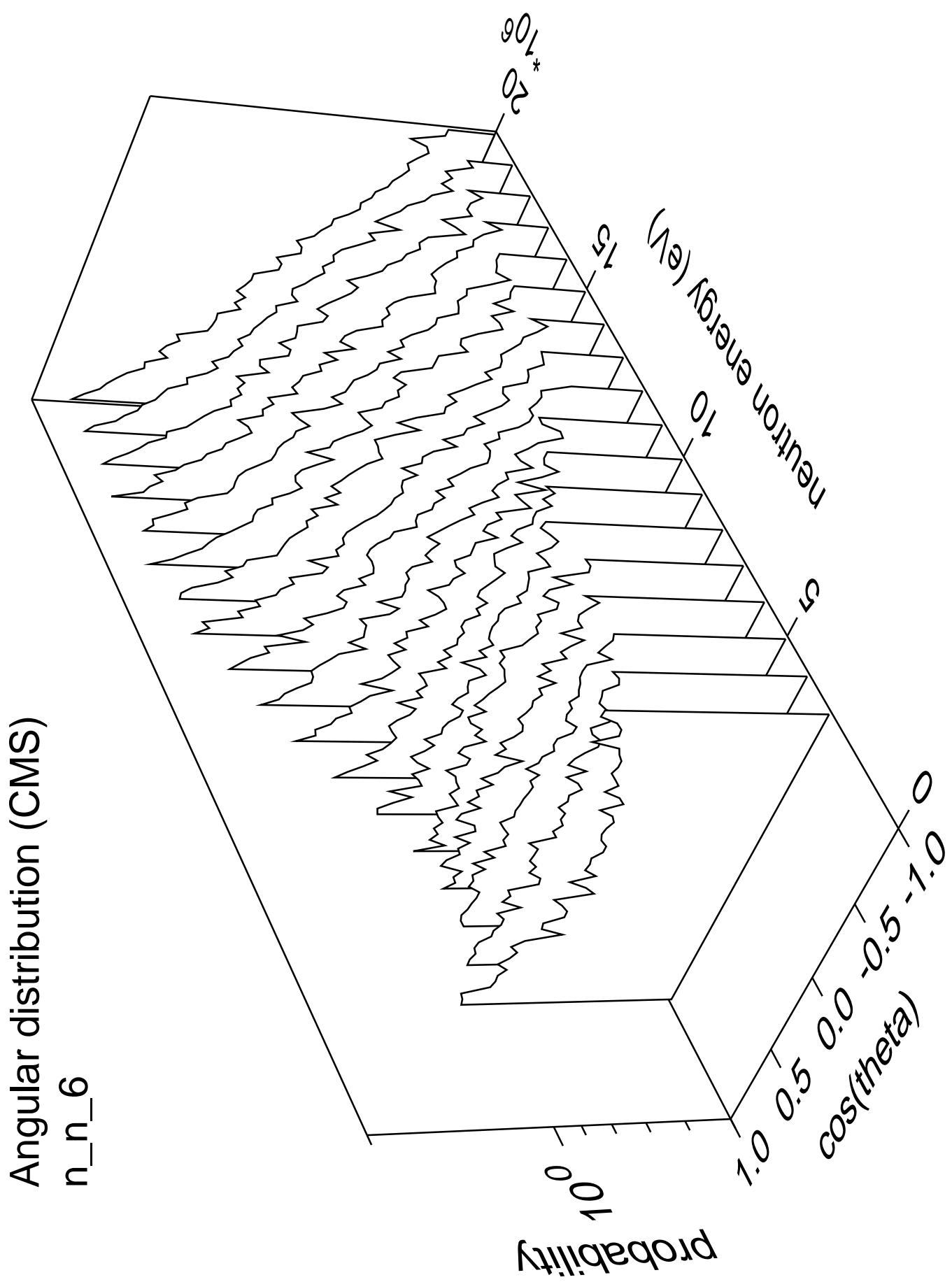


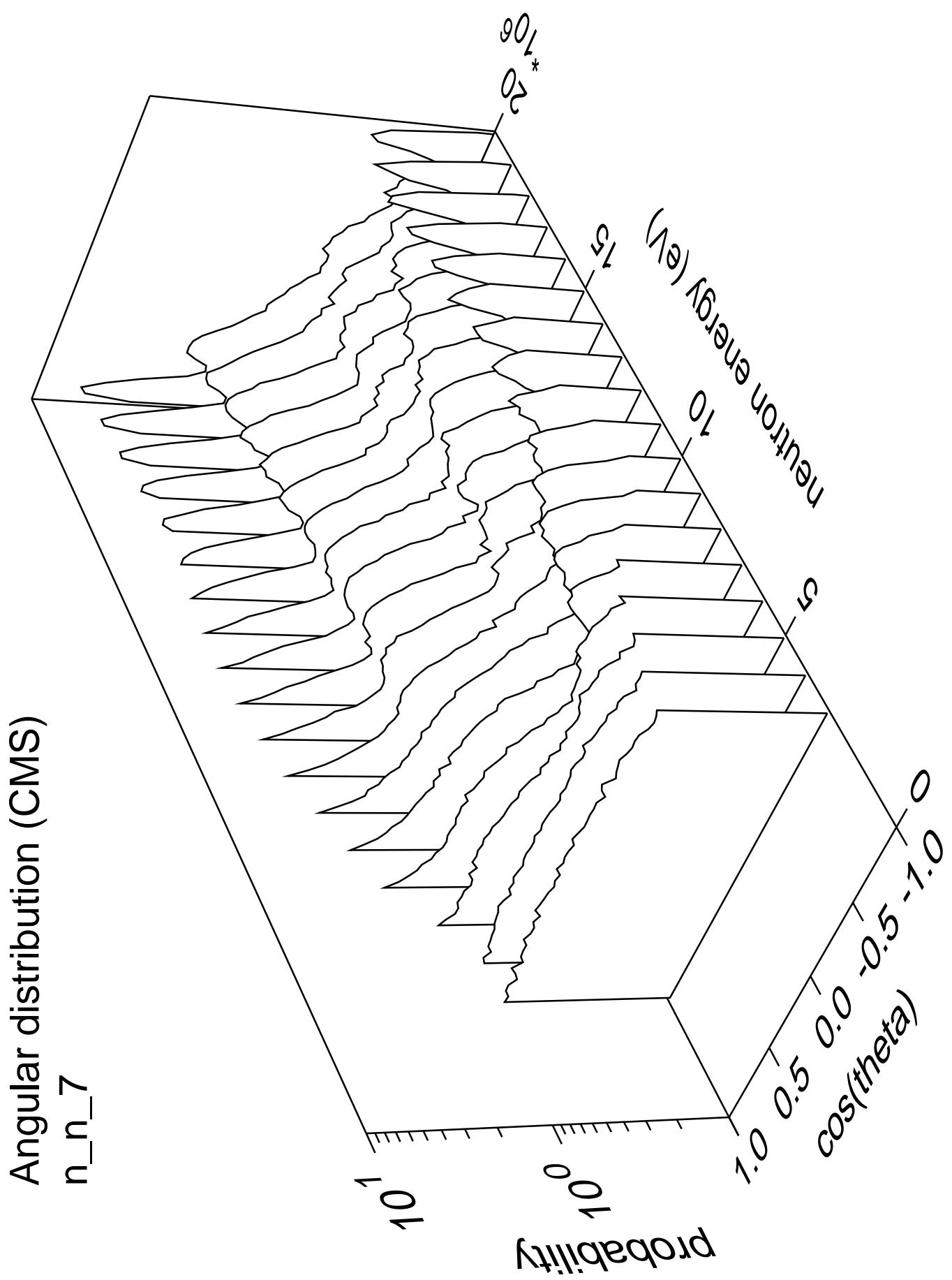


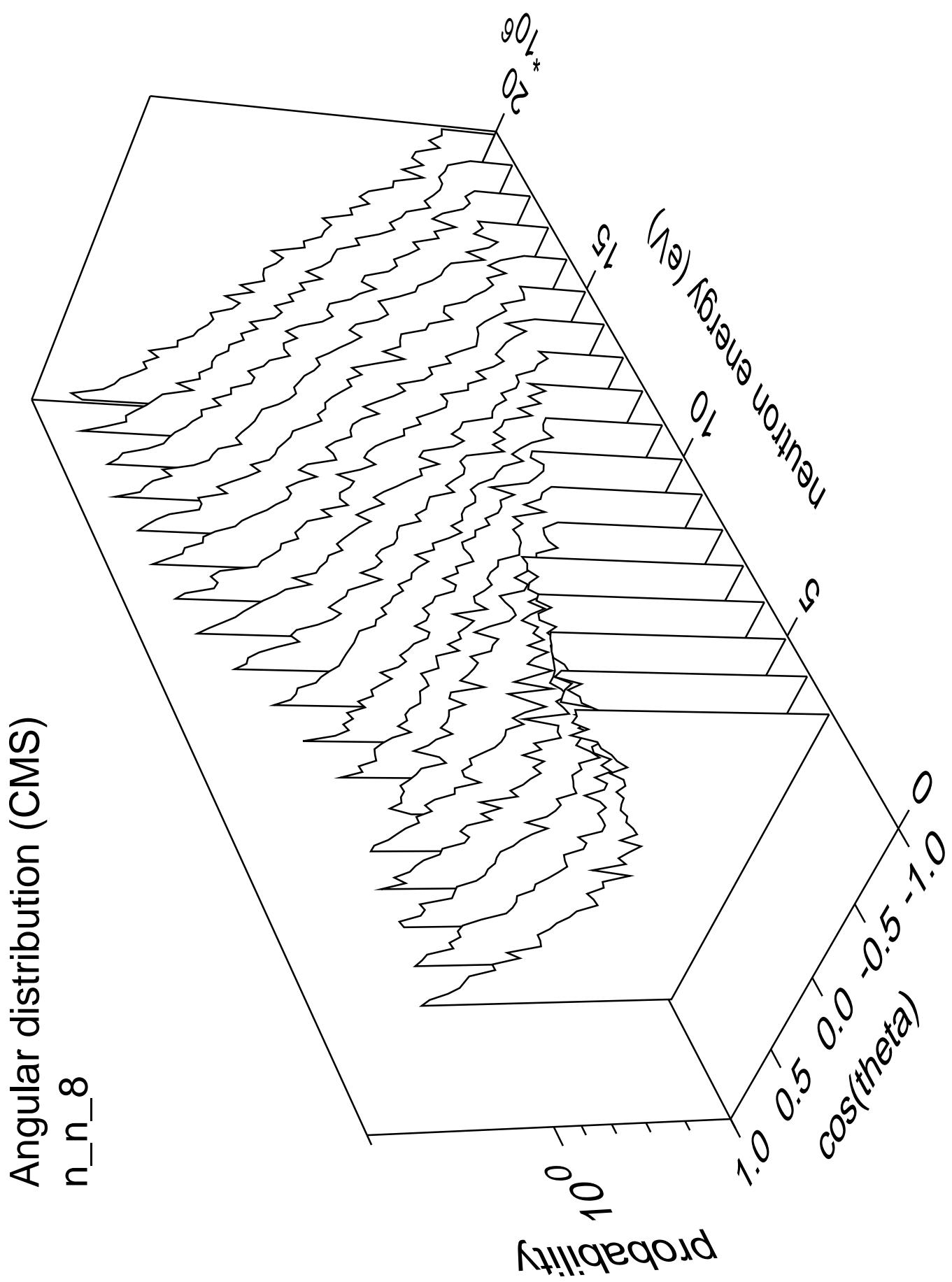


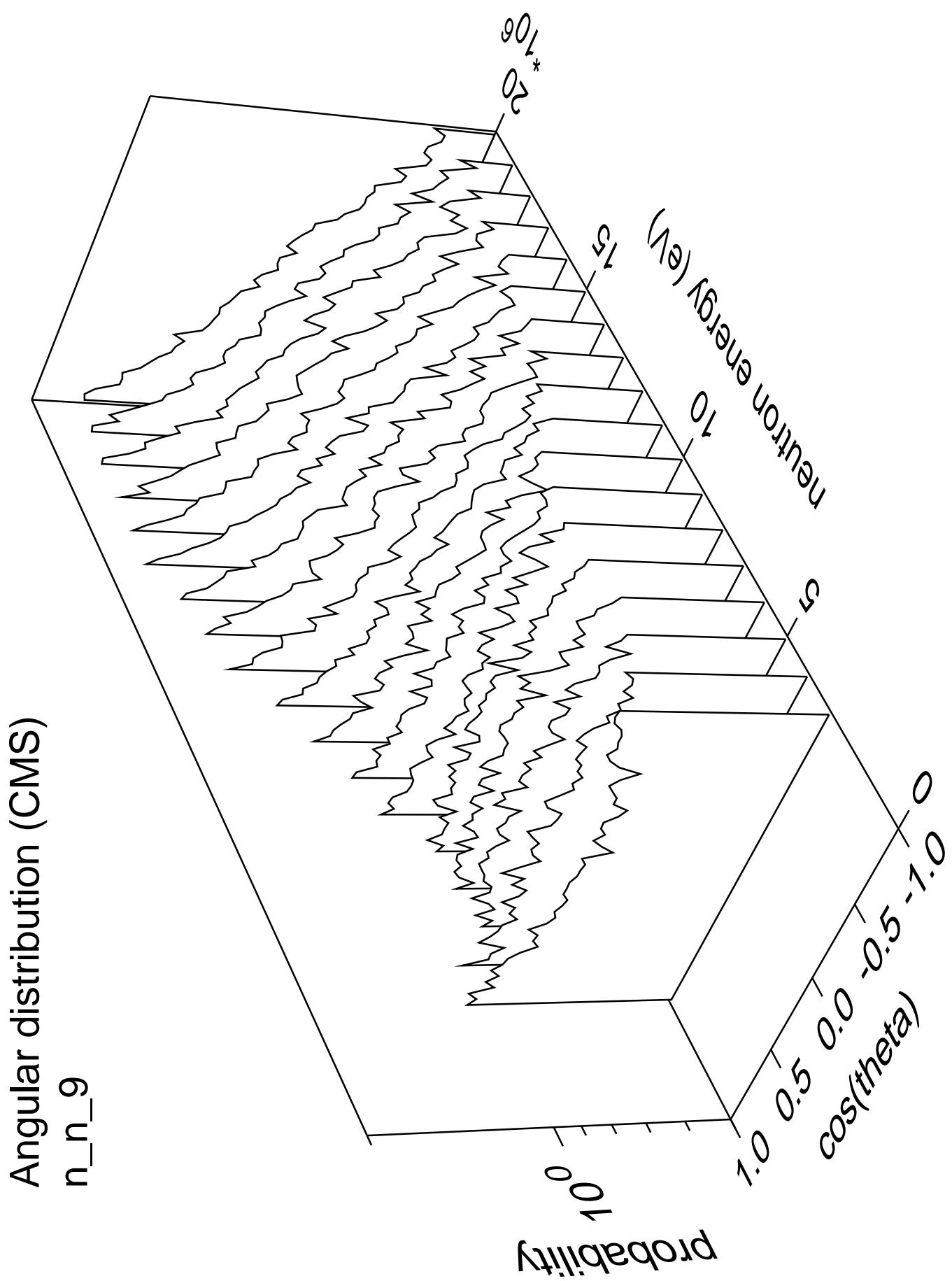


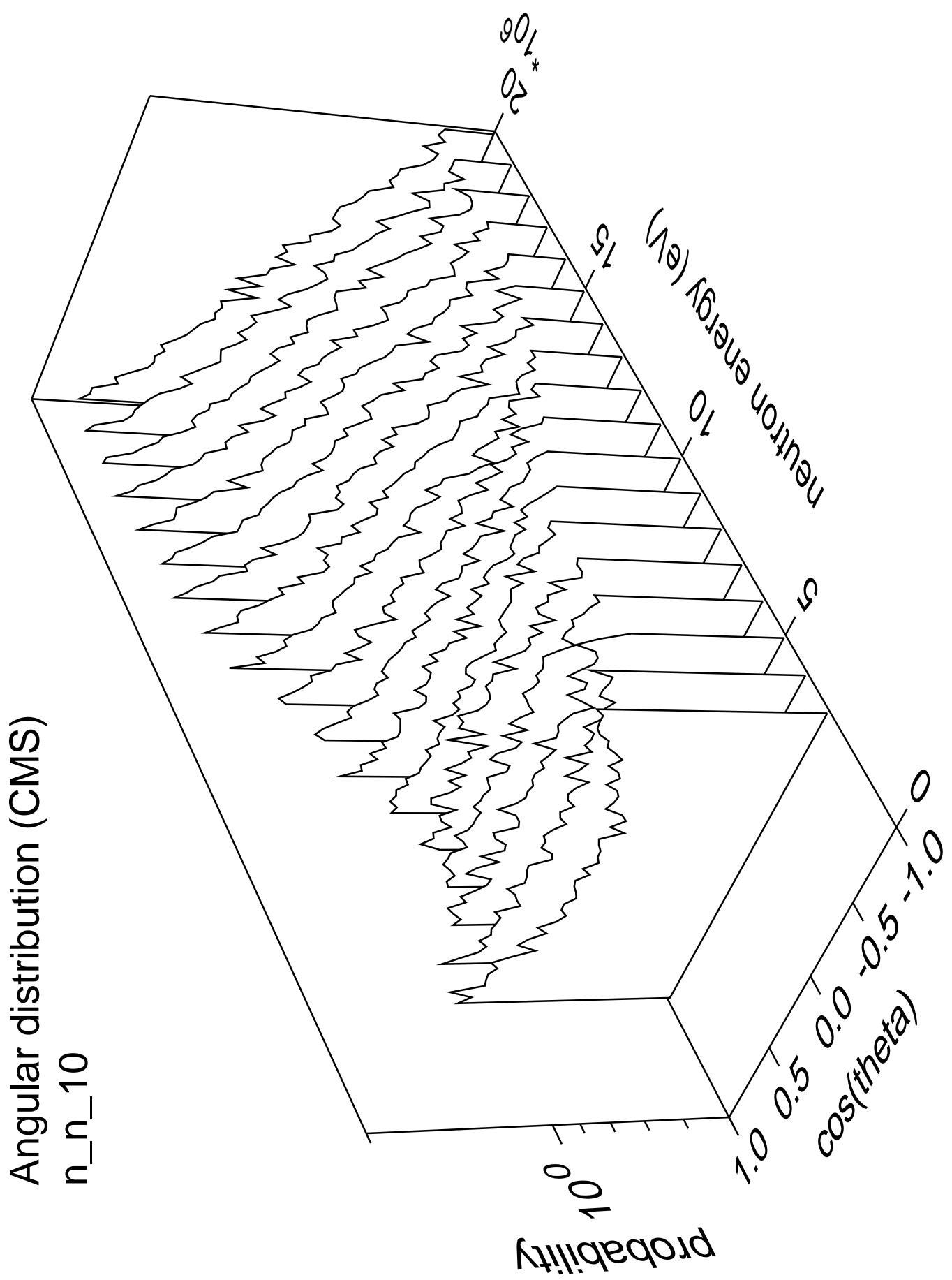




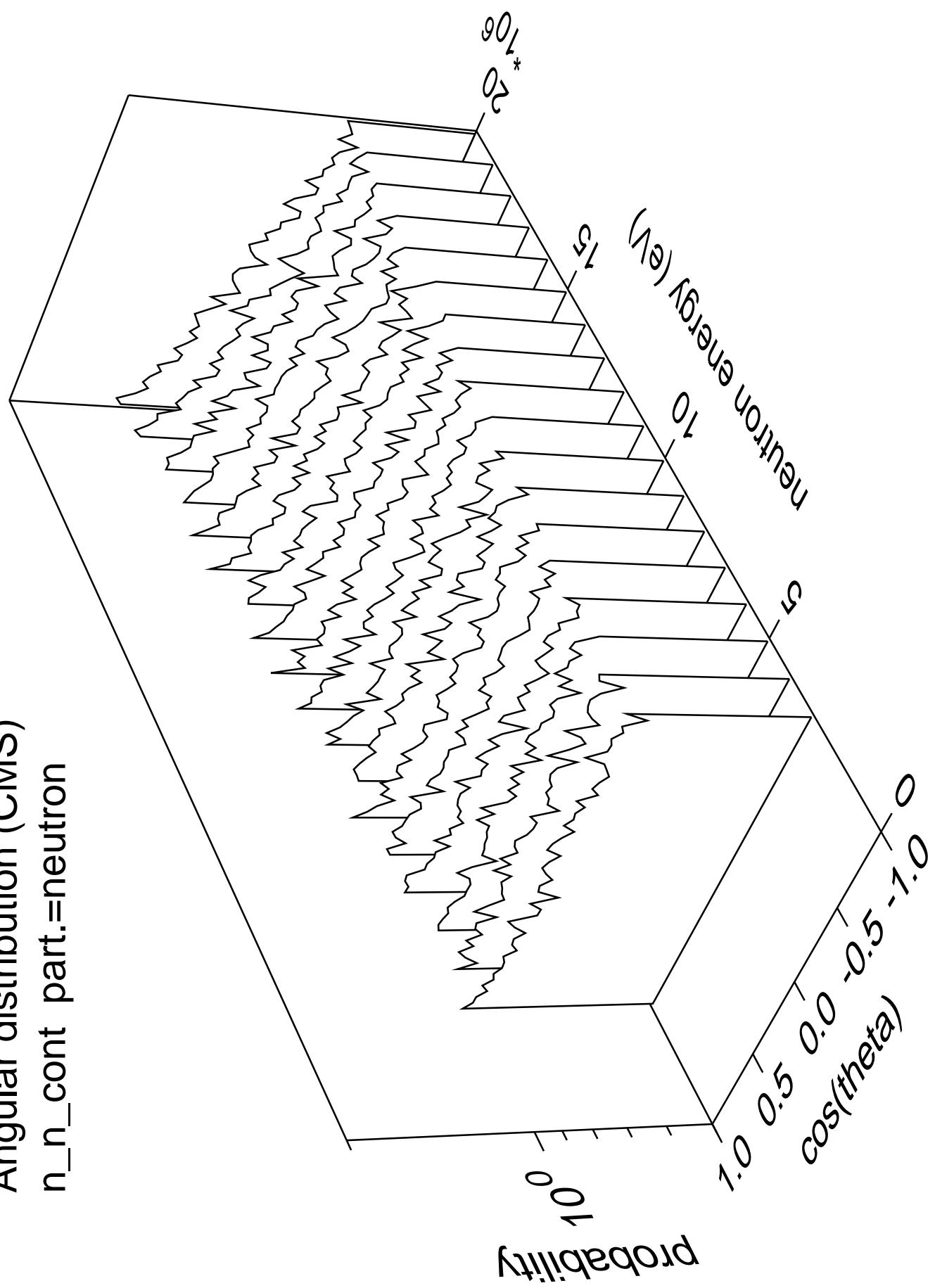




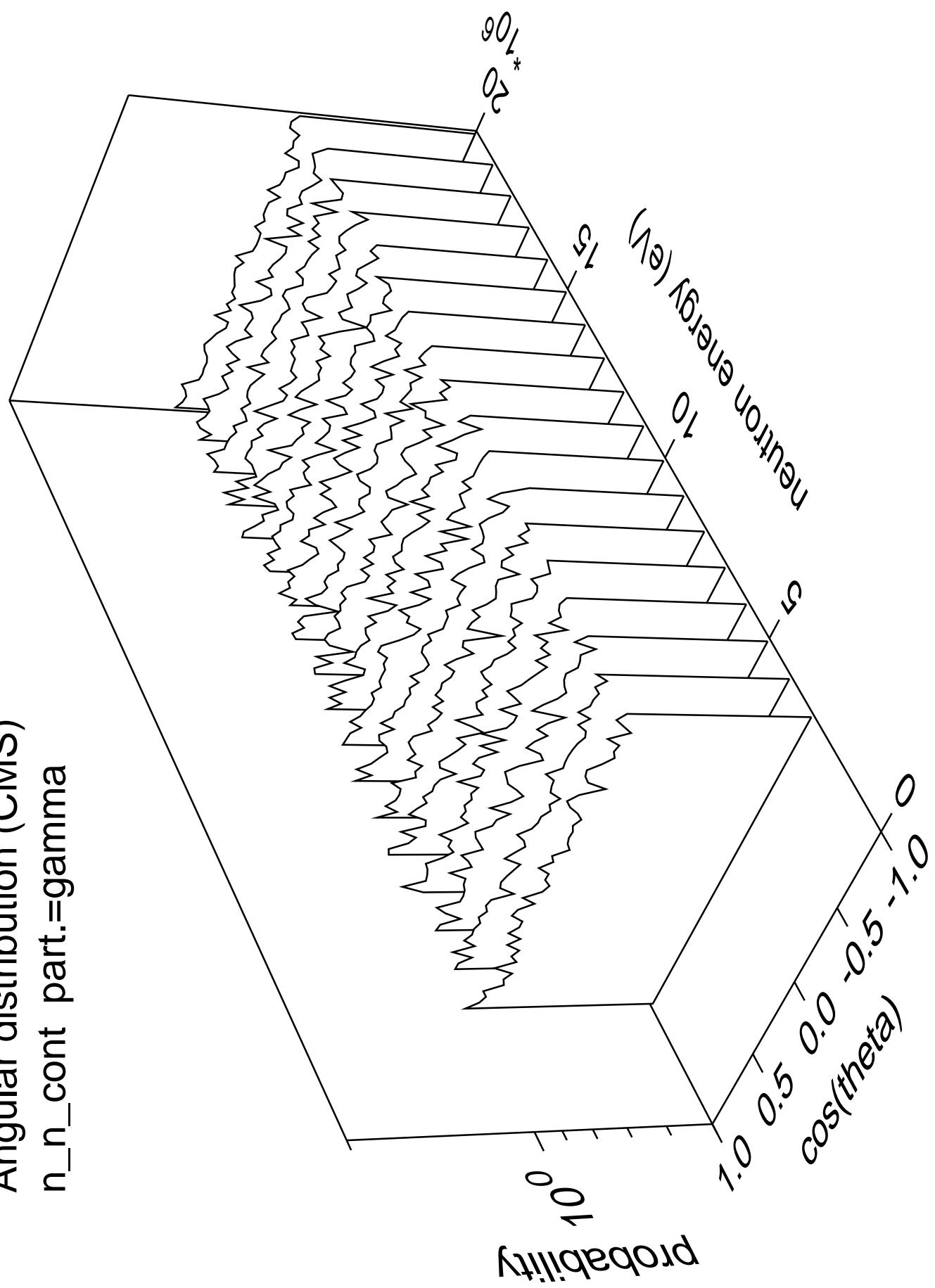


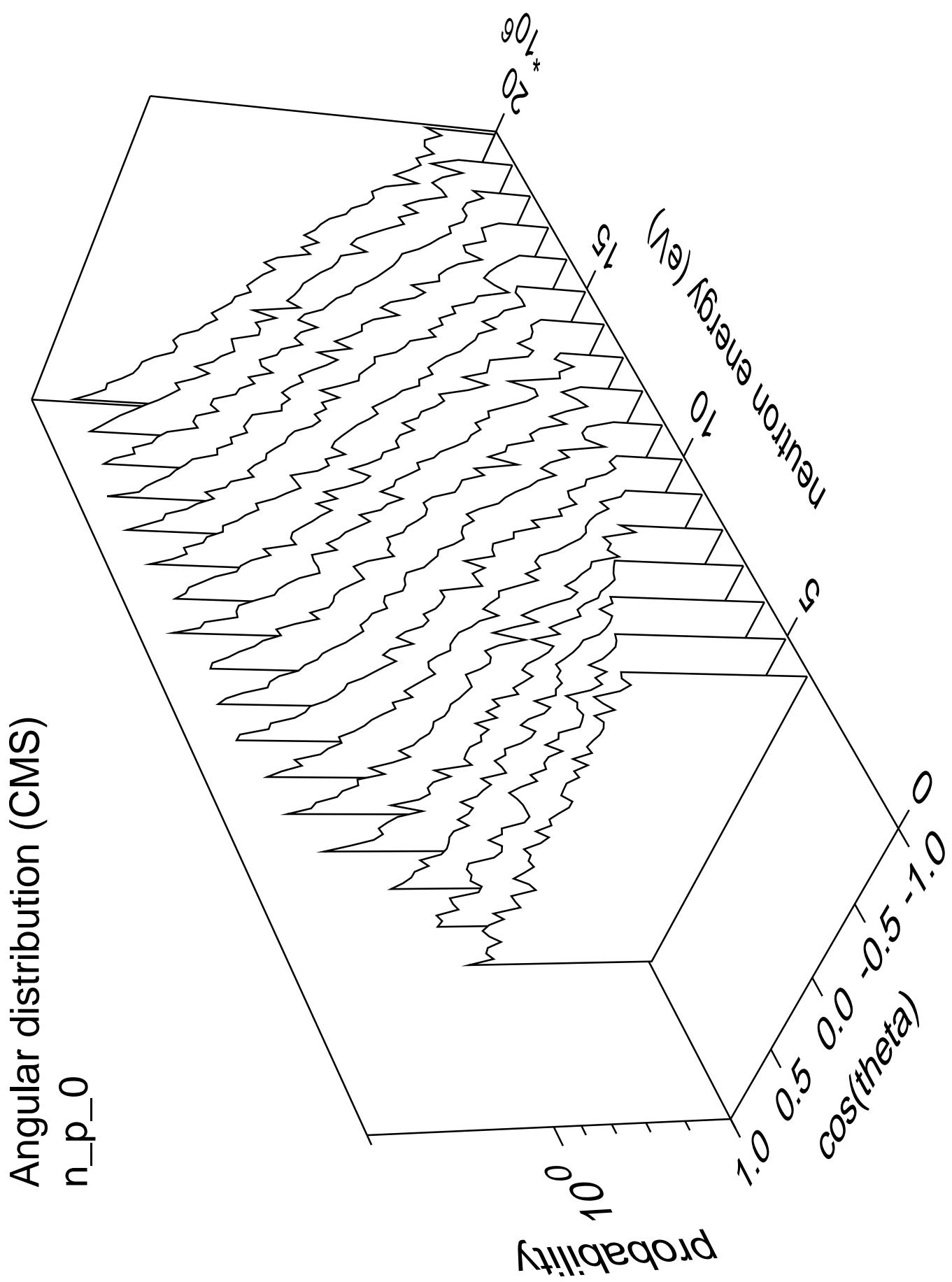


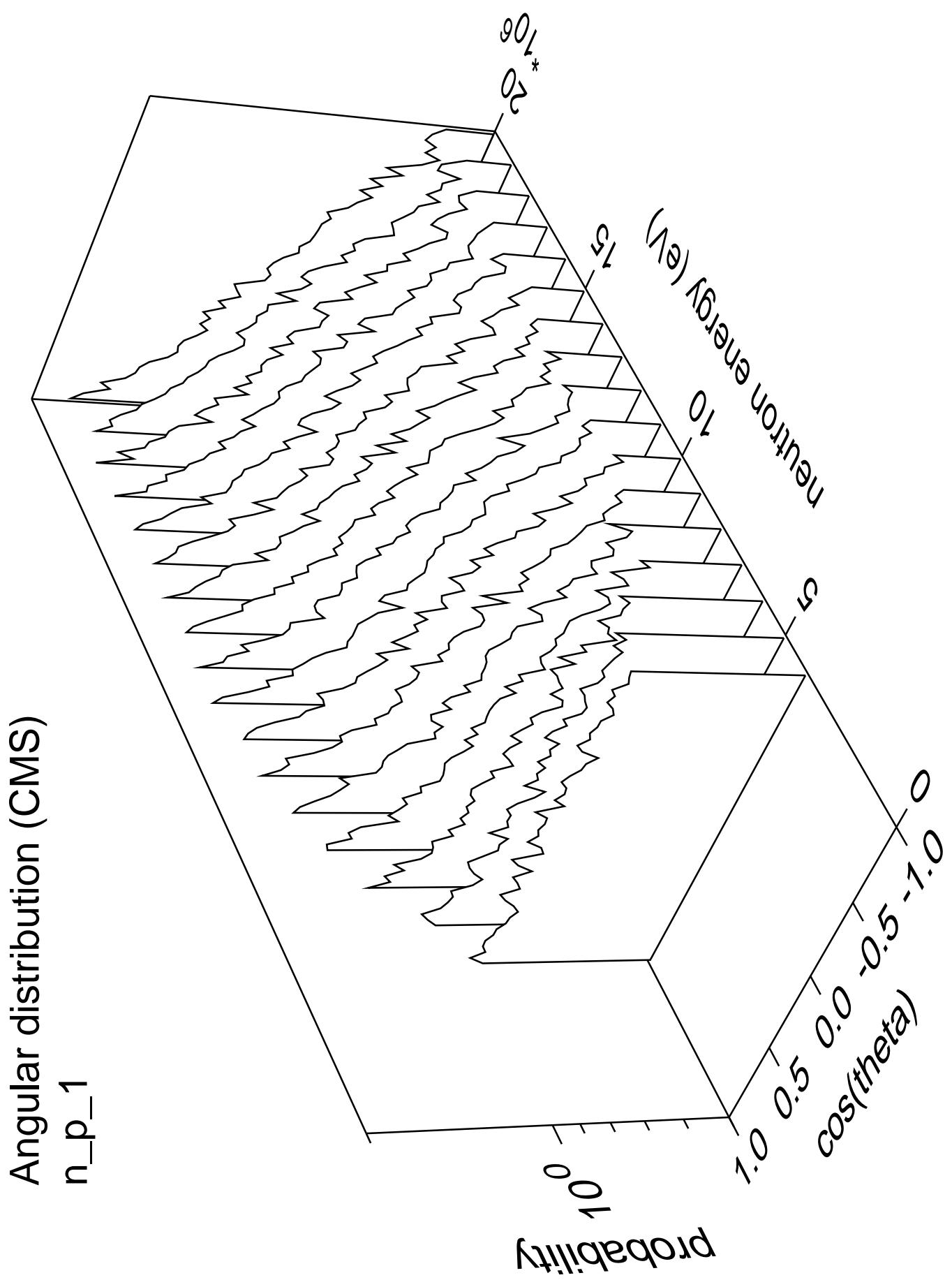
Angular distribution (CMS)  
 $n_n_{cont}$  part.=neutron

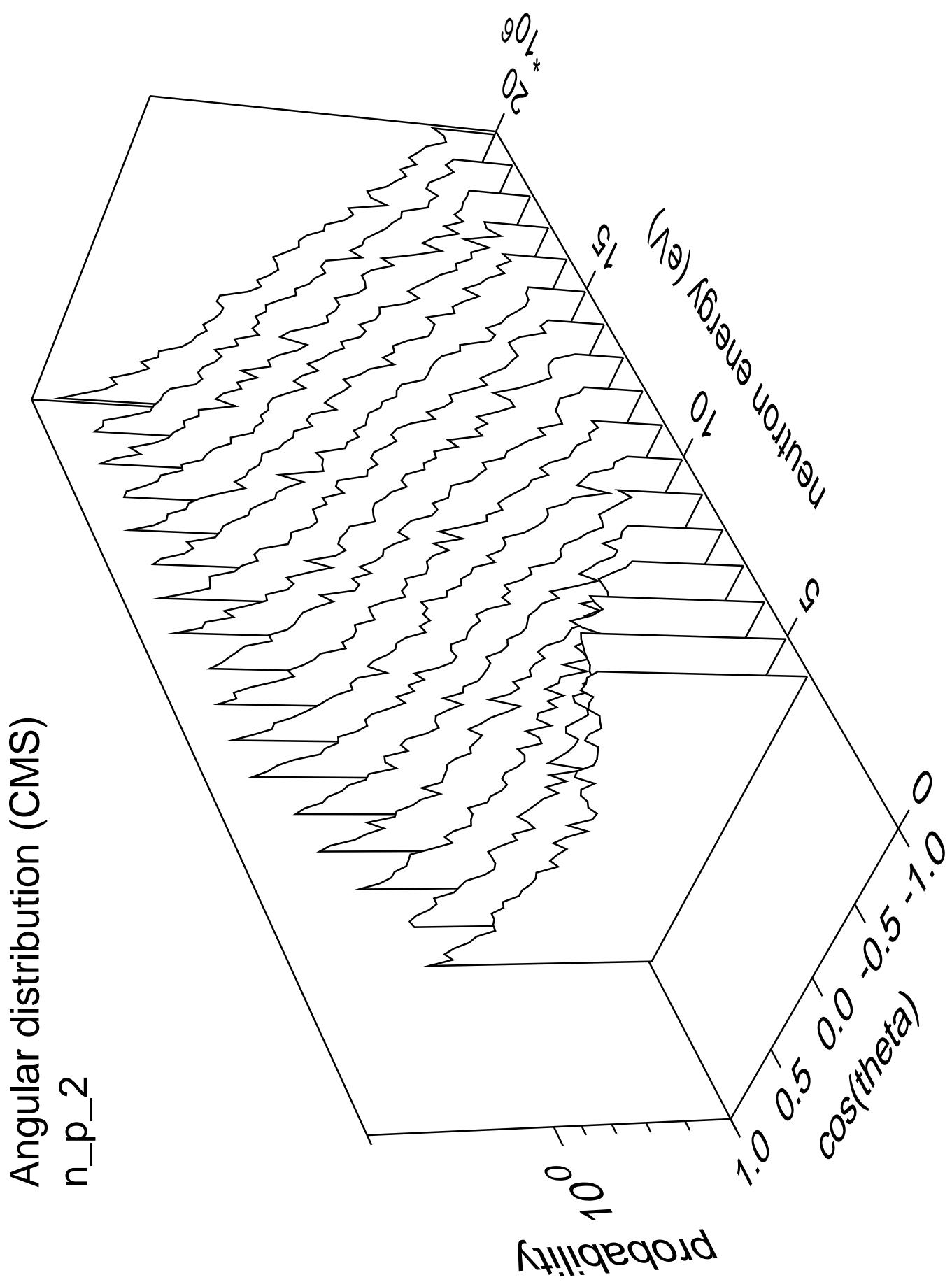


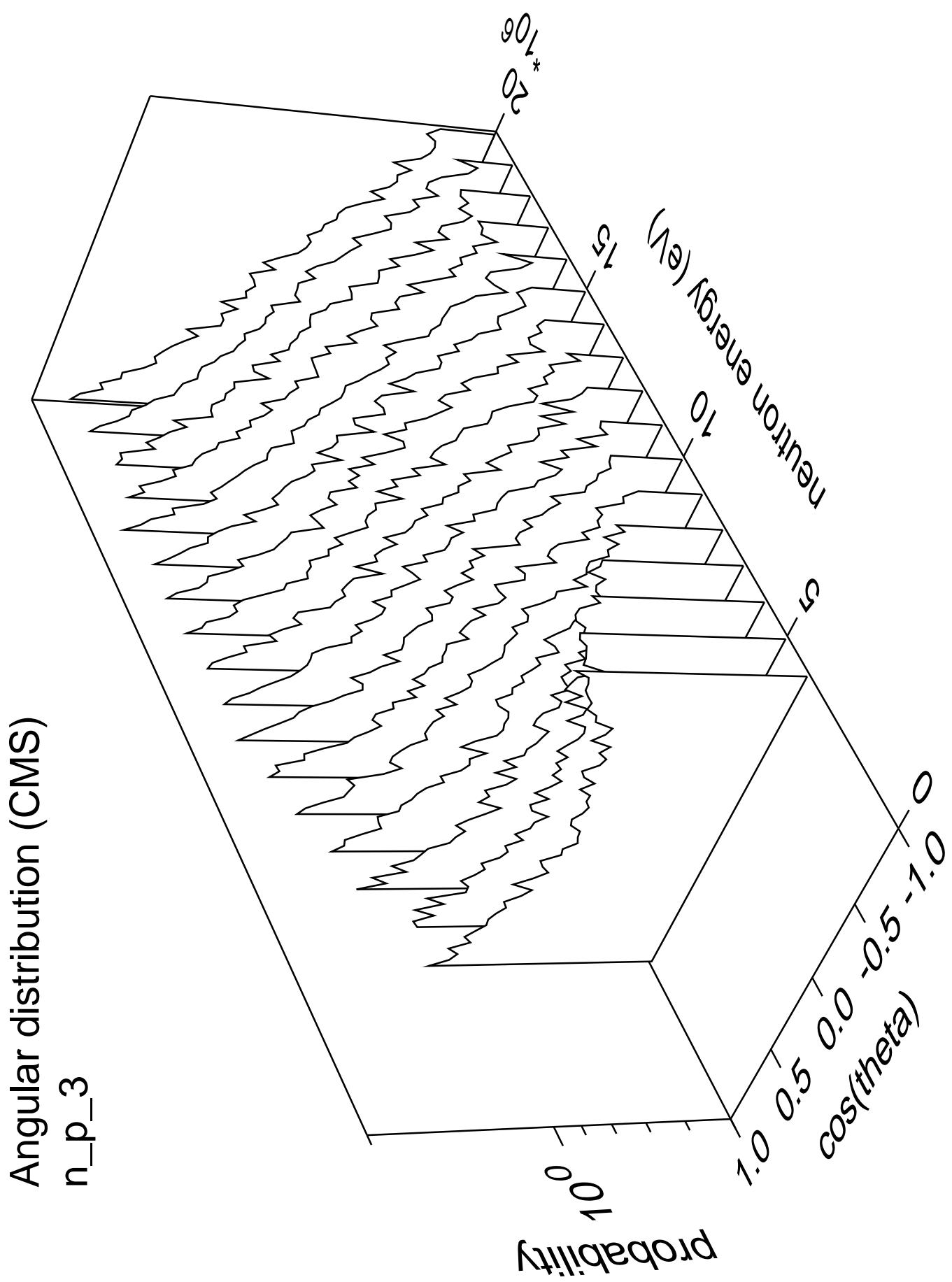
Angular distribution (CMS)  
n\_n\_cont part.=gamma

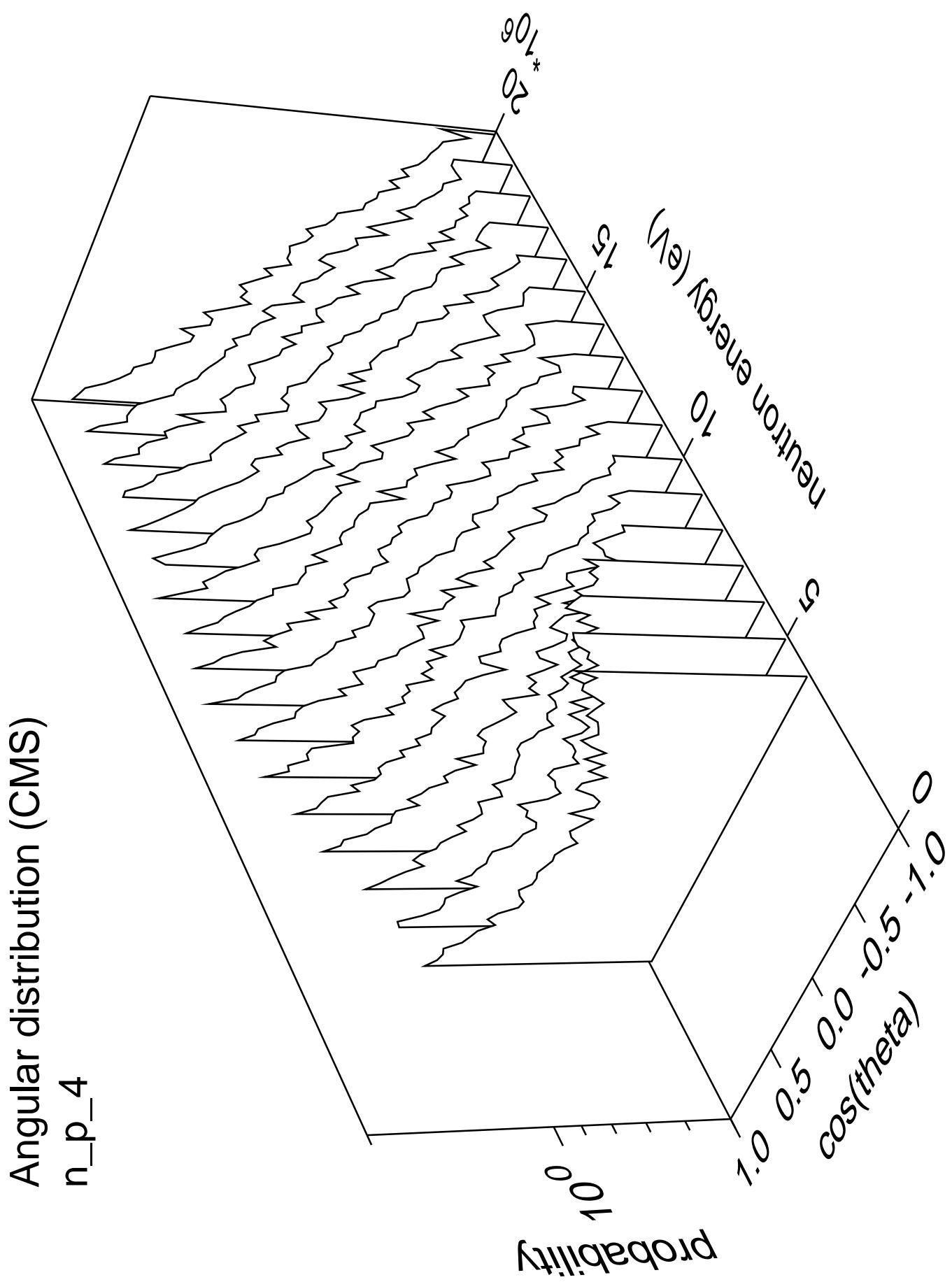


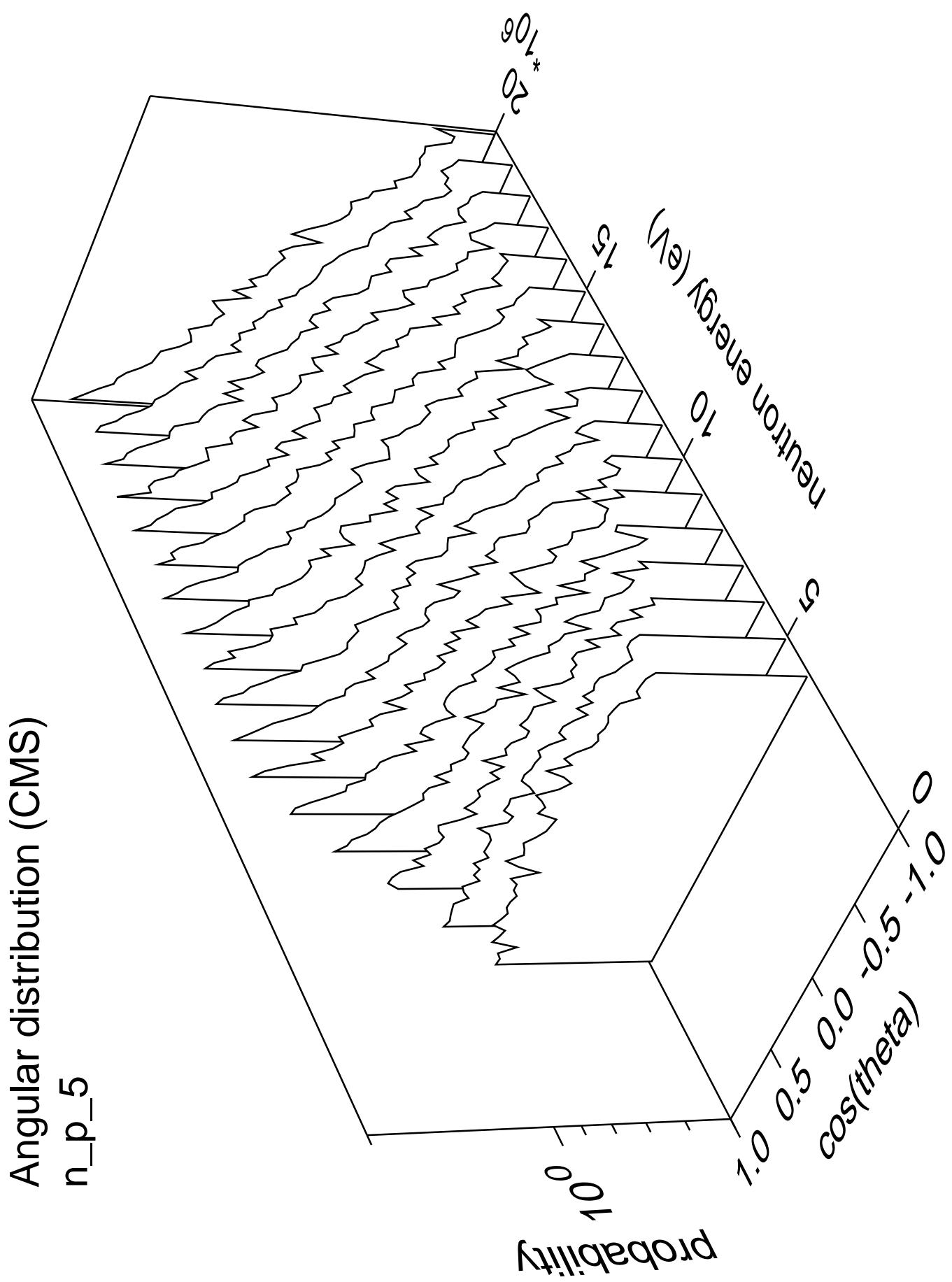


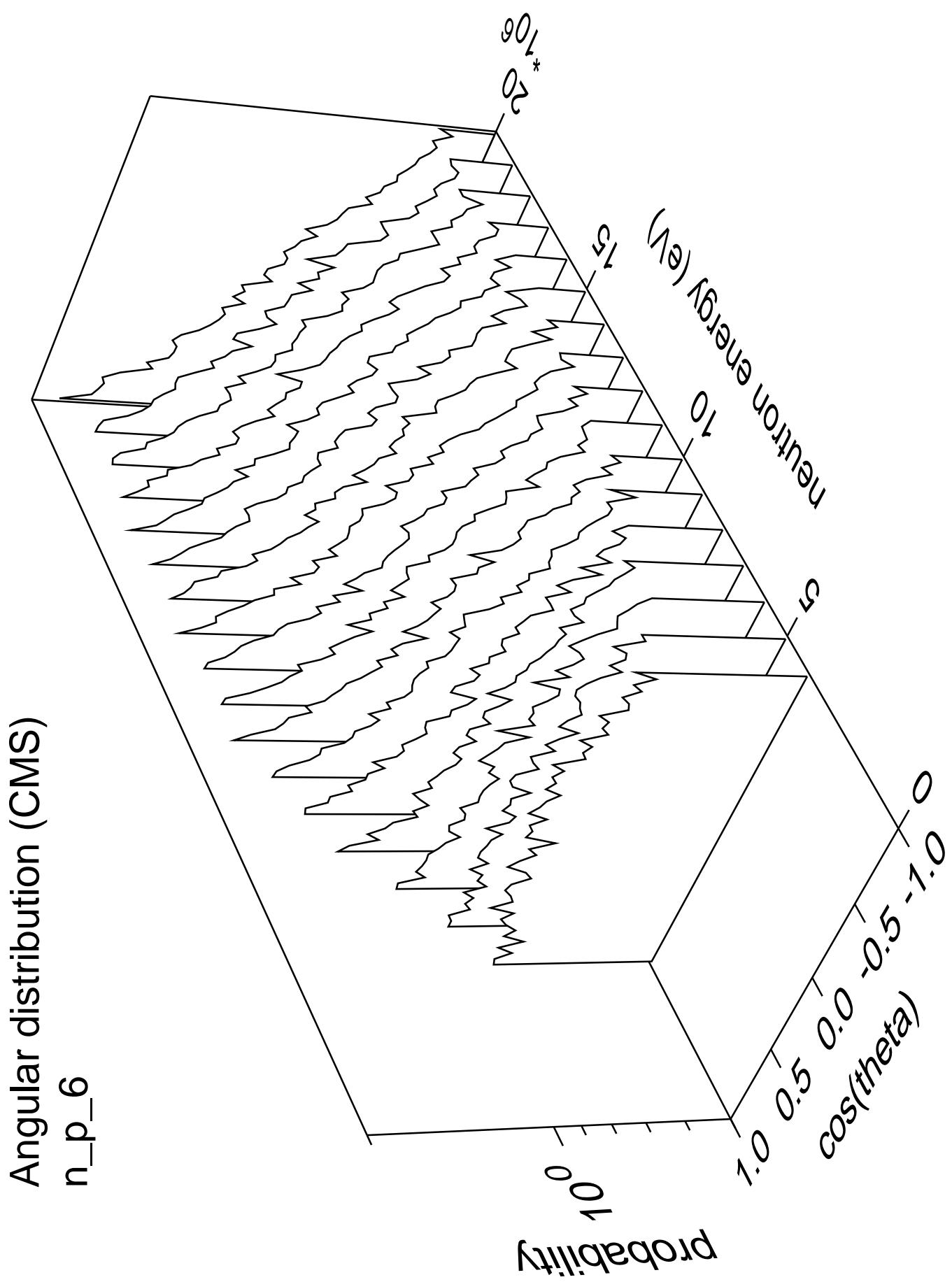


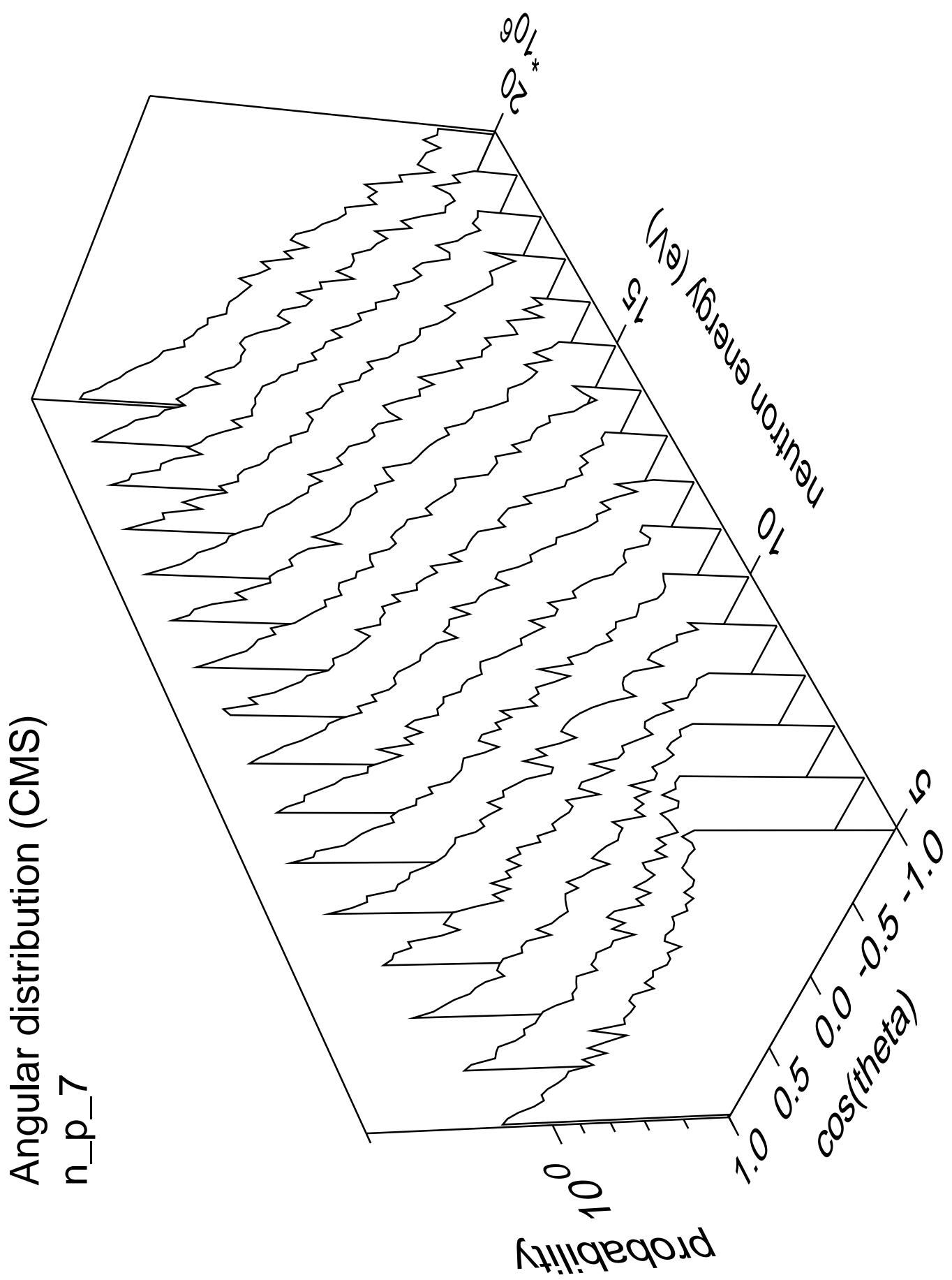


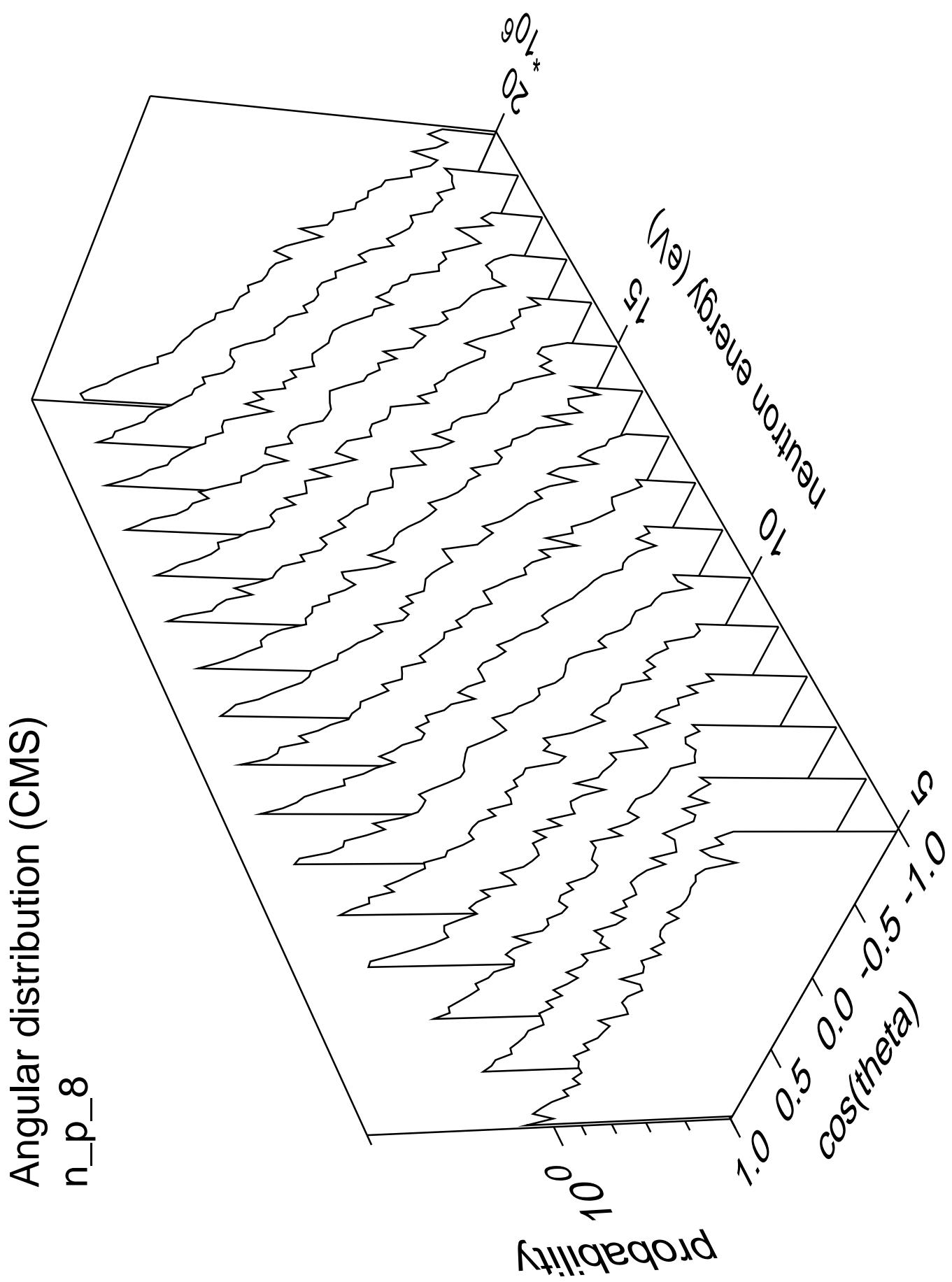


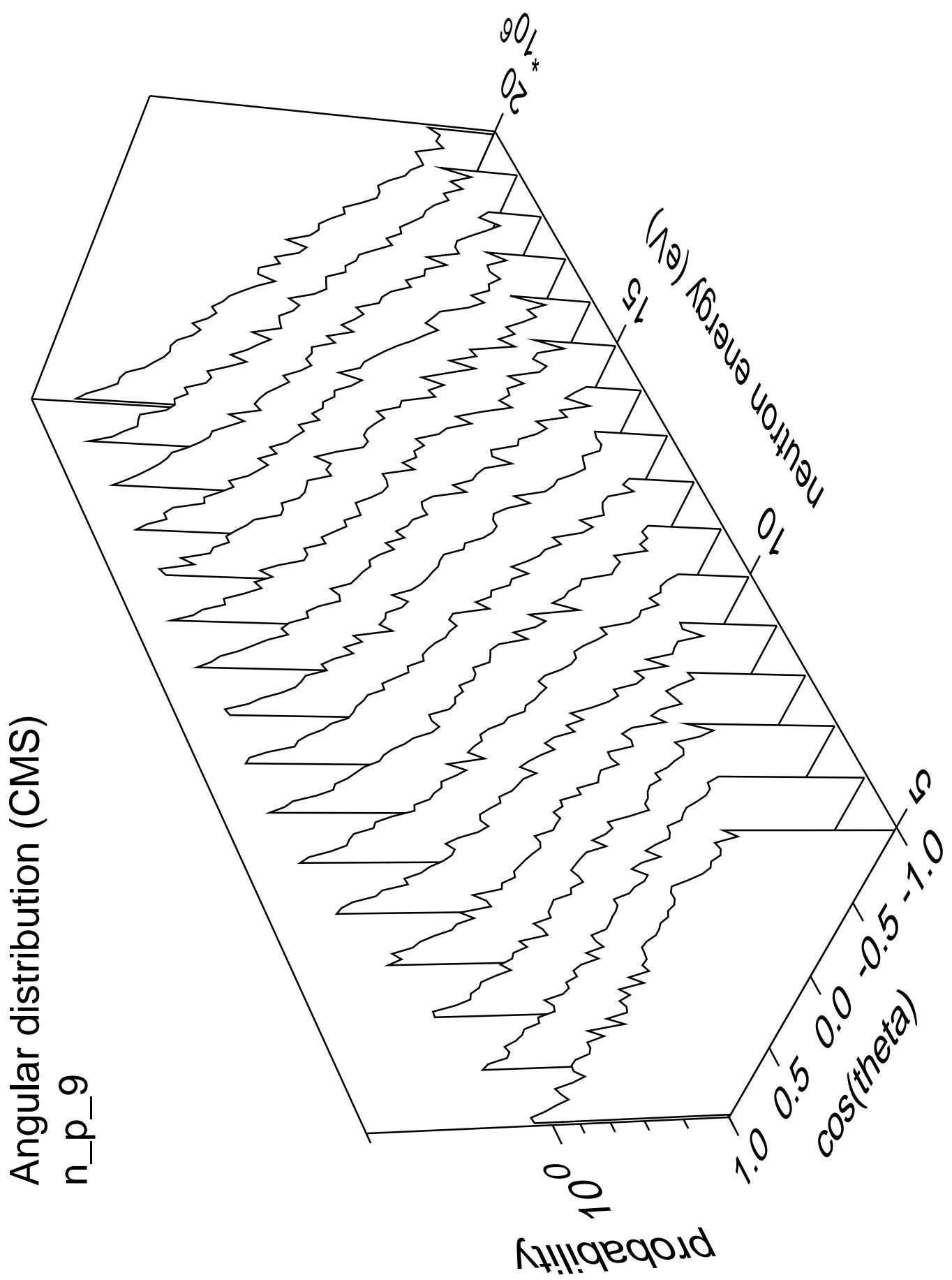


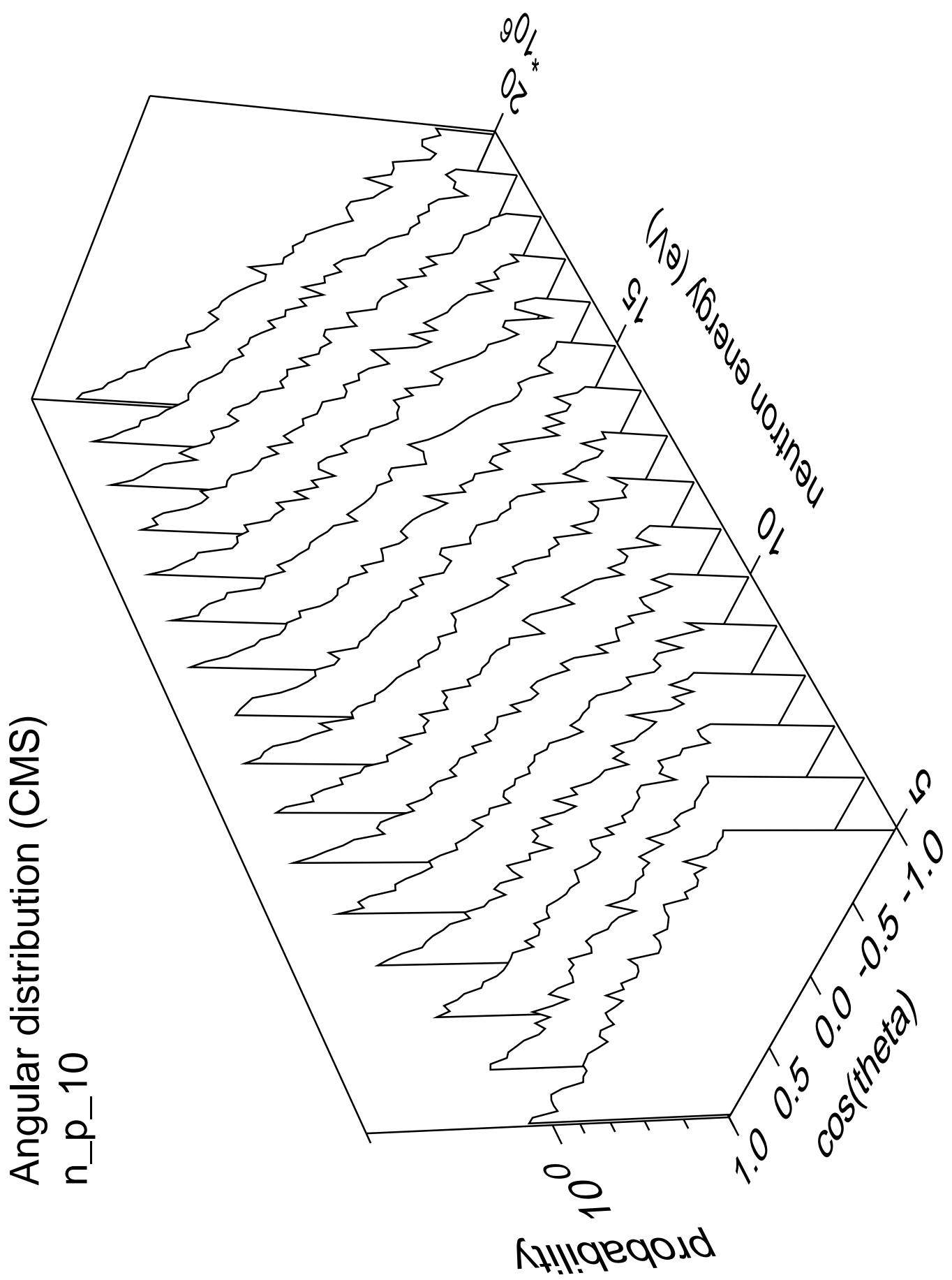




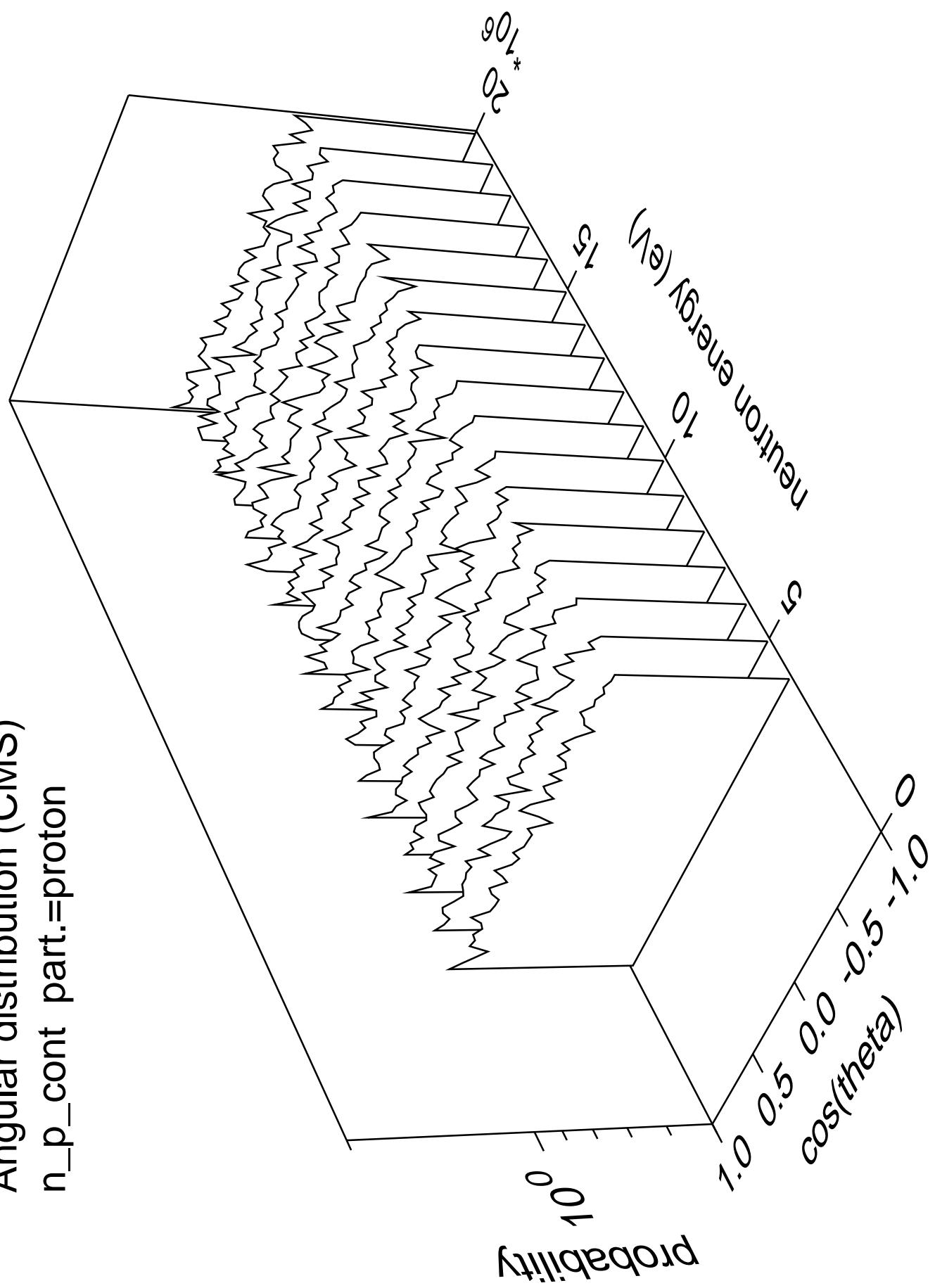




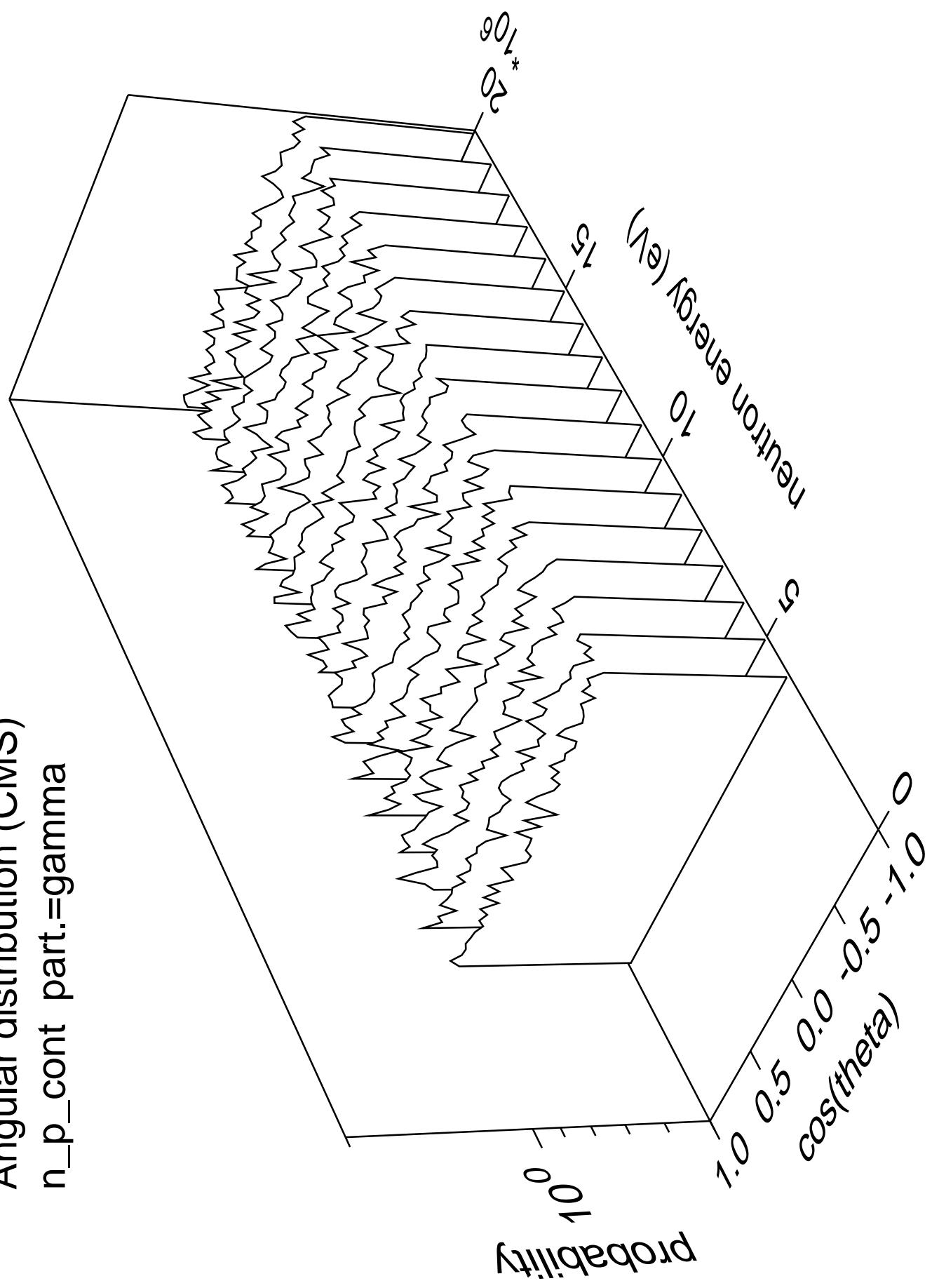


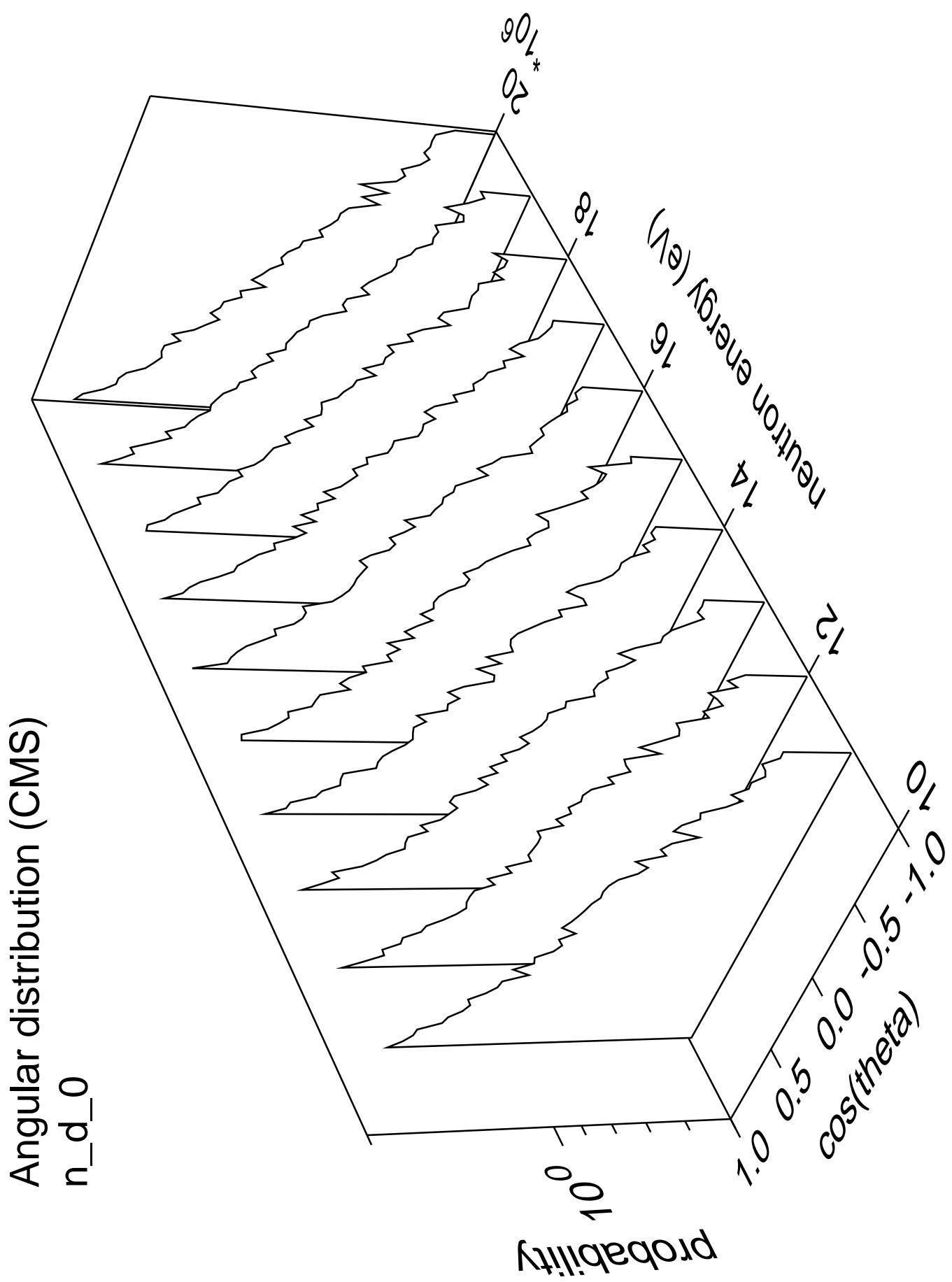


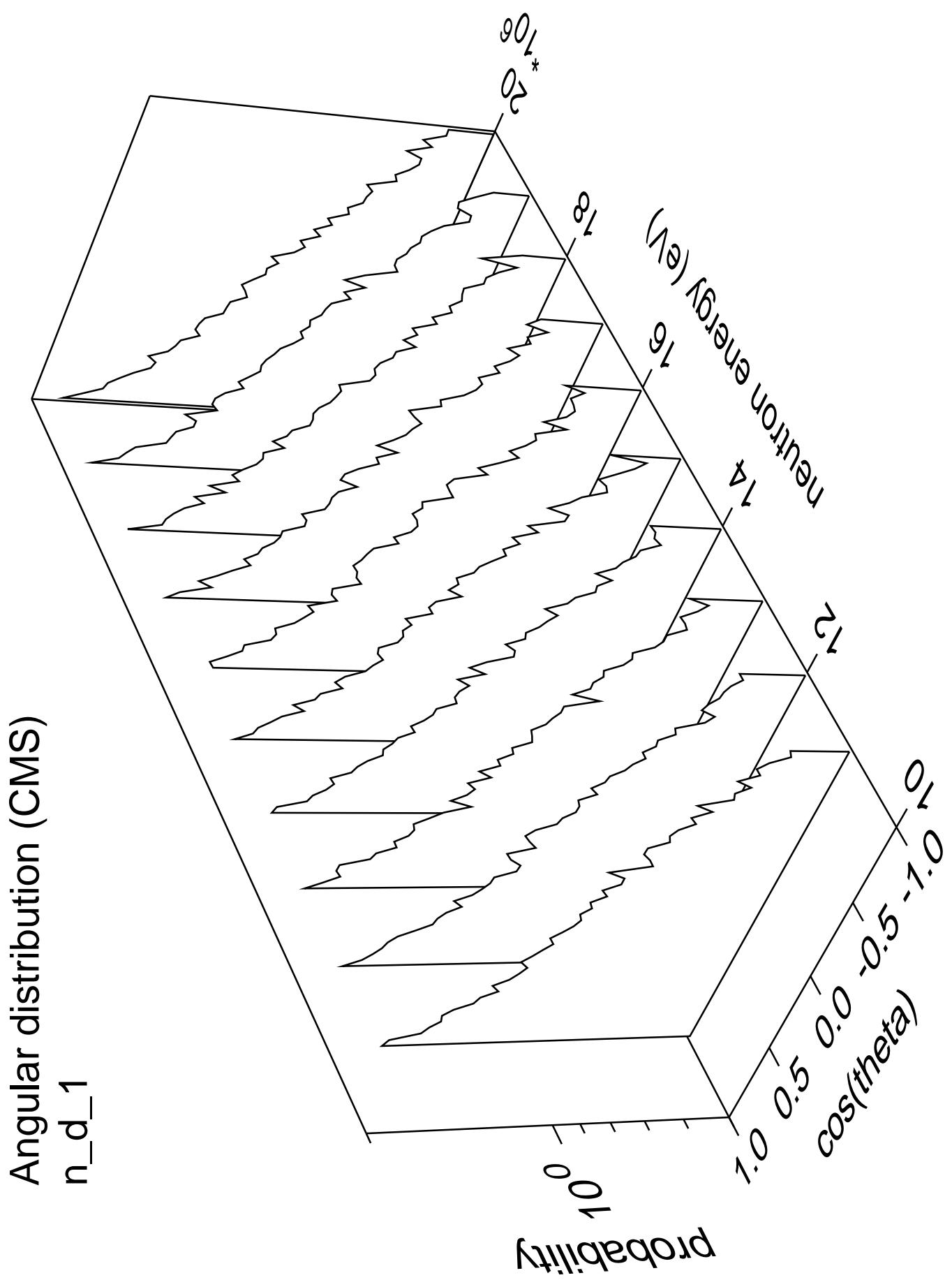
Angular distribution (CMS)  
 $n_p_{\text{cont}}$  part.=proton

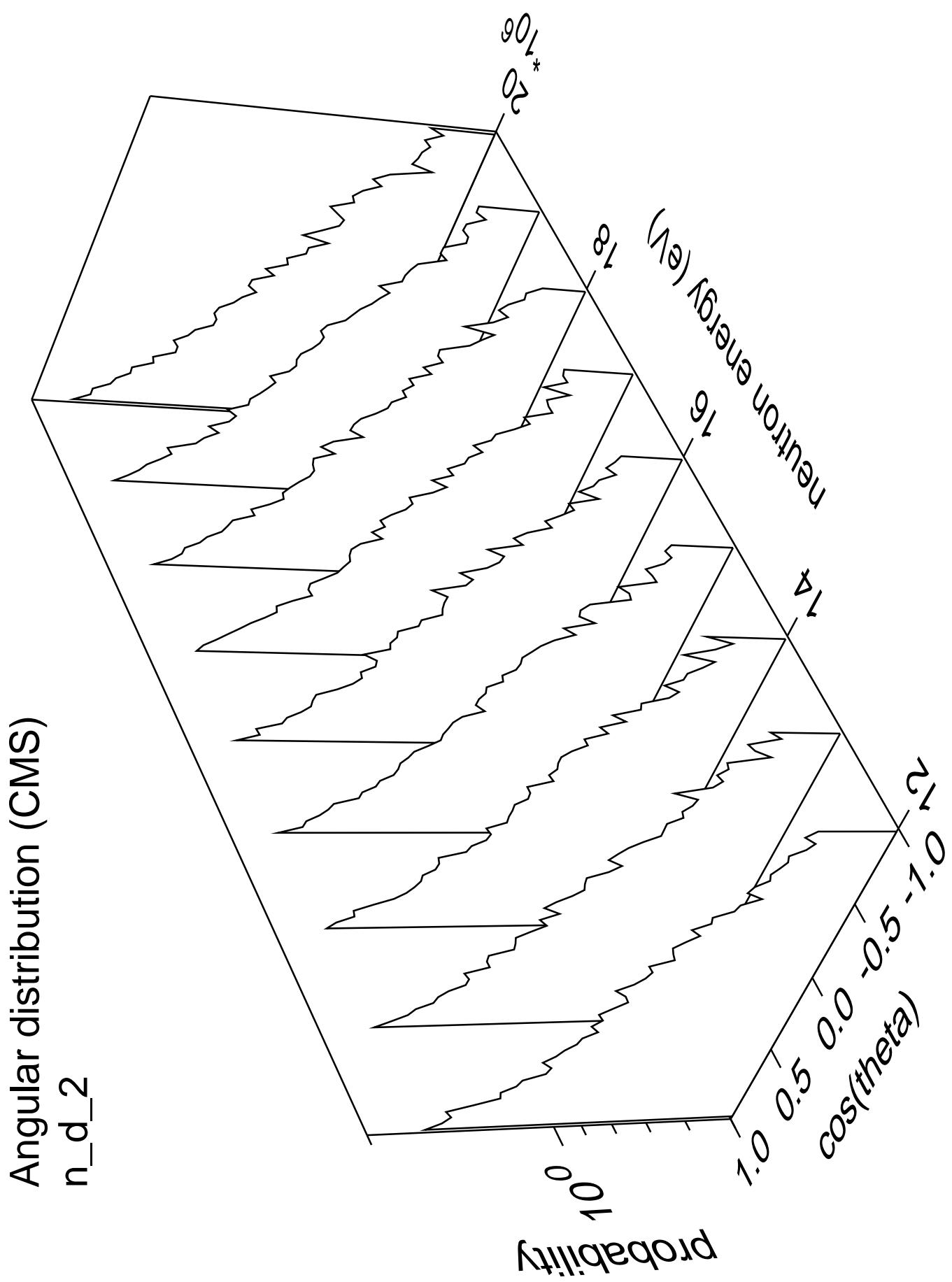


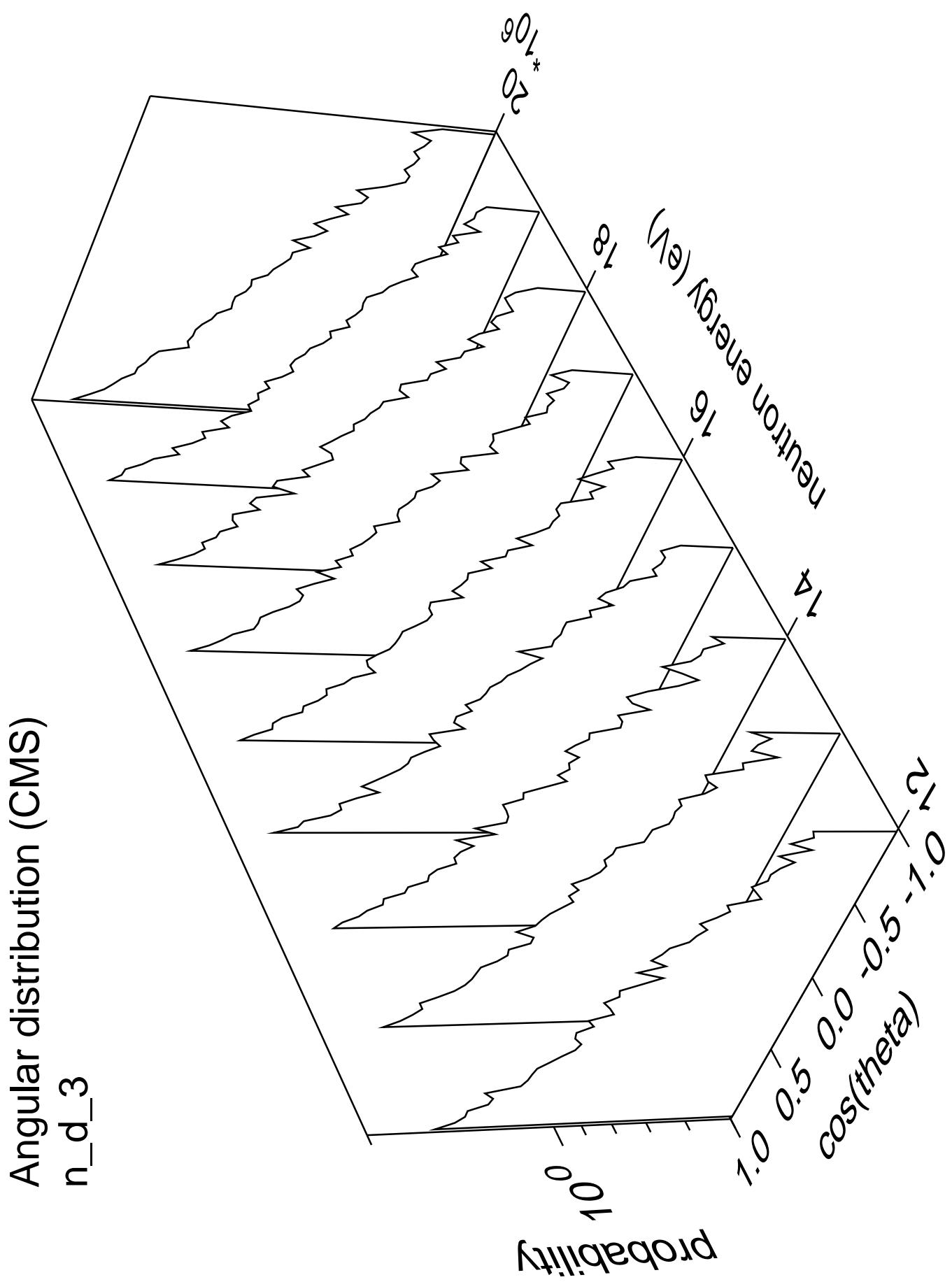
Angular distribution (CMS)  
n\_p\_cont part.=gamma

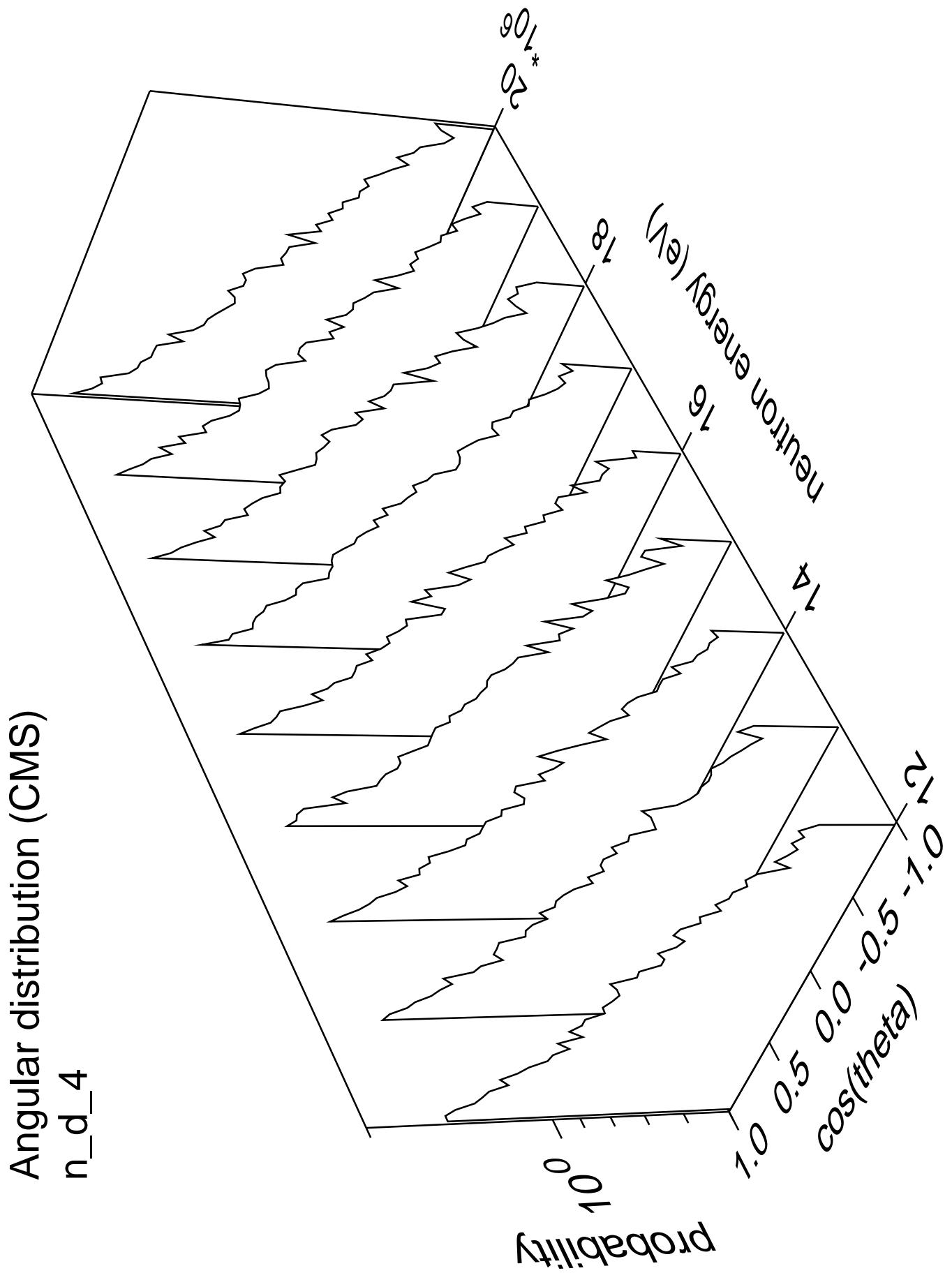


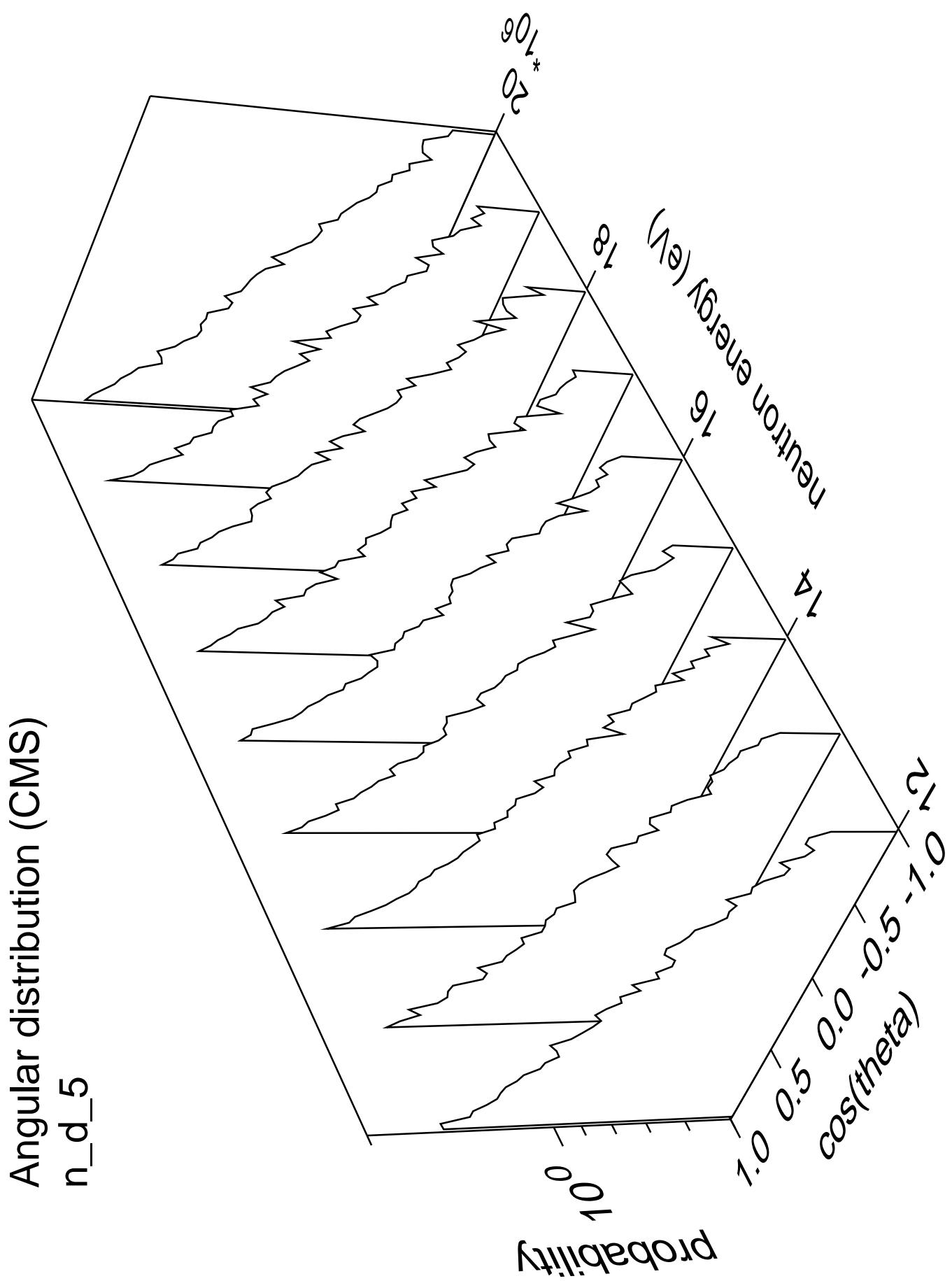


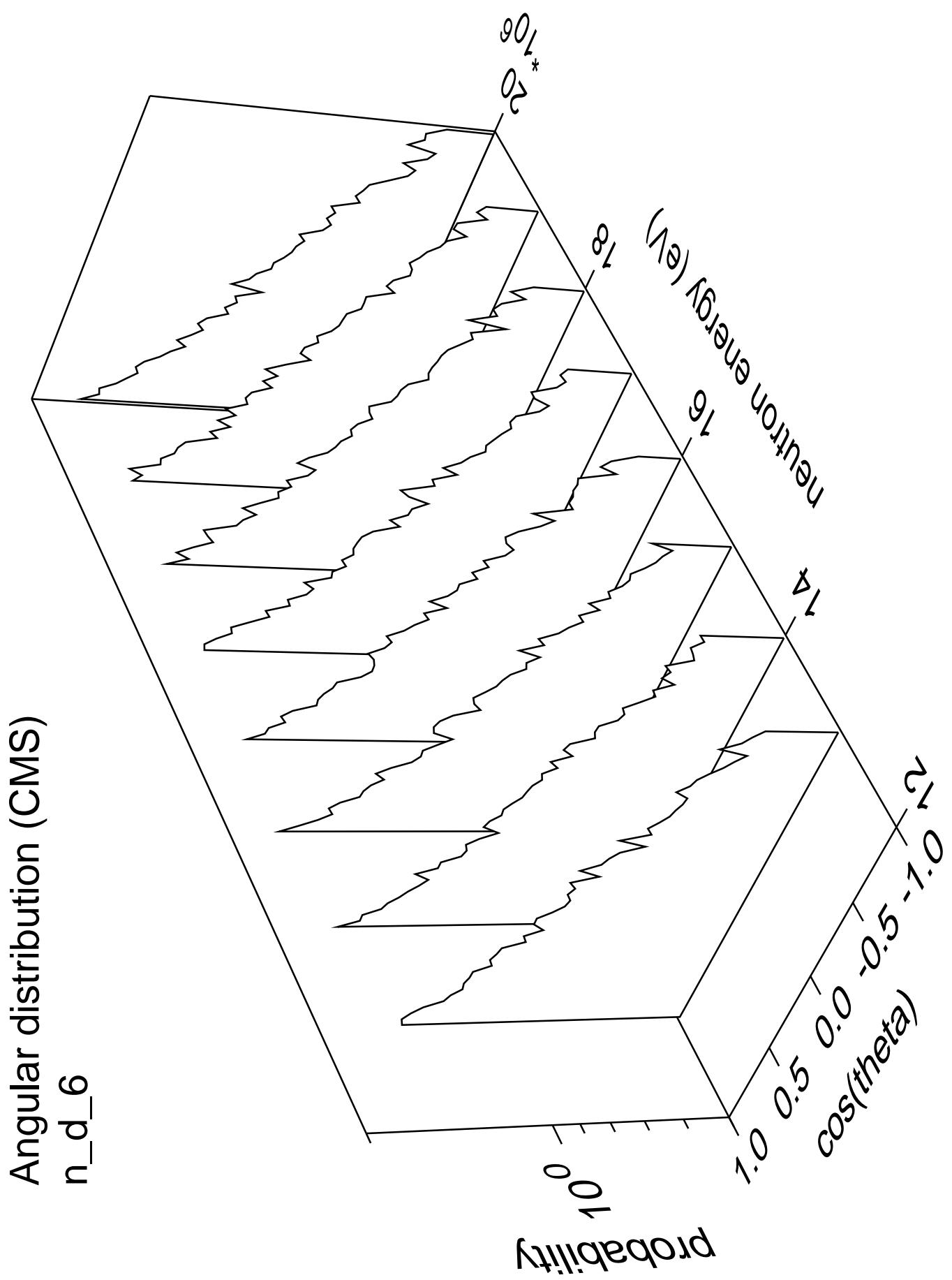


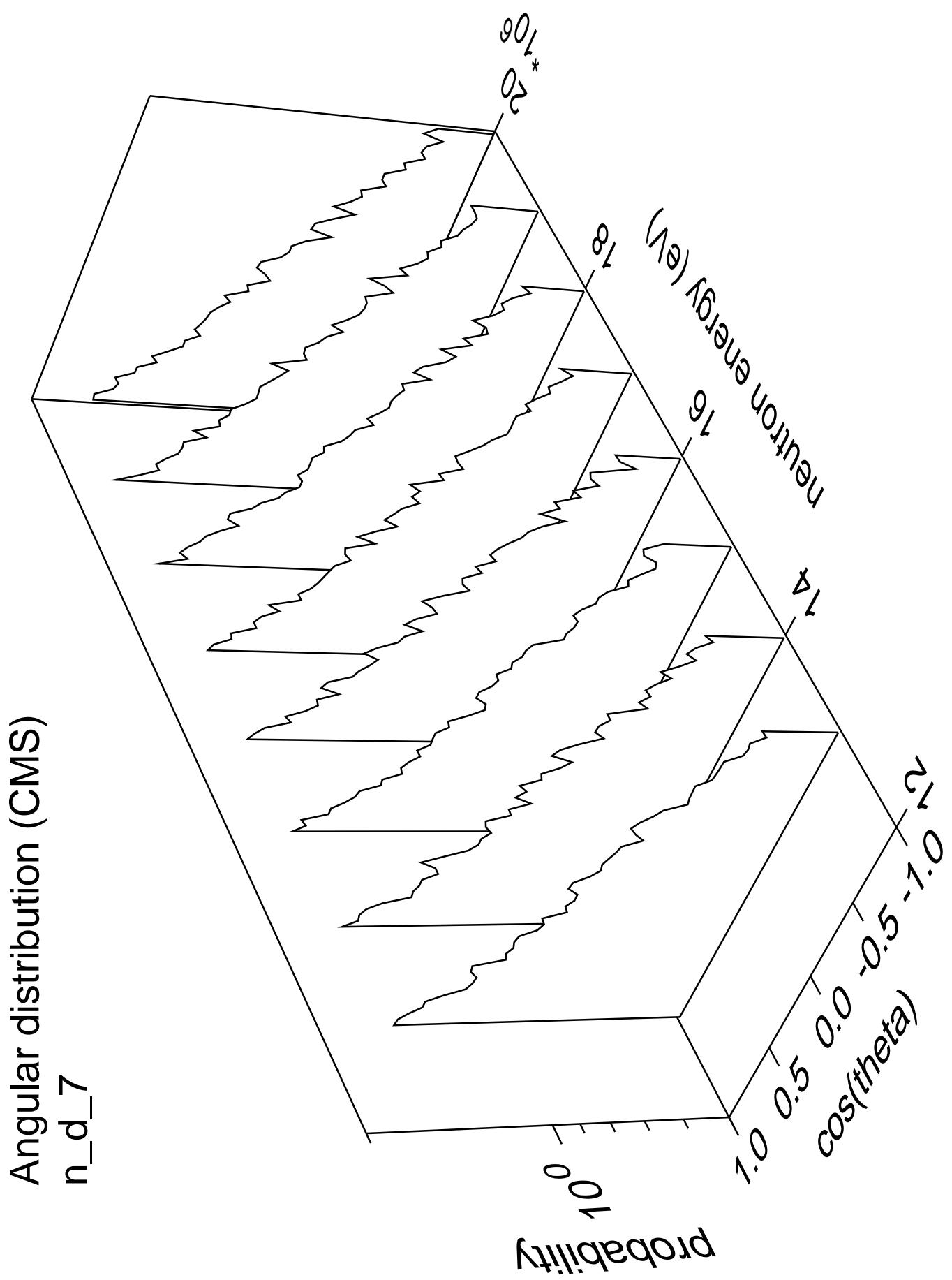


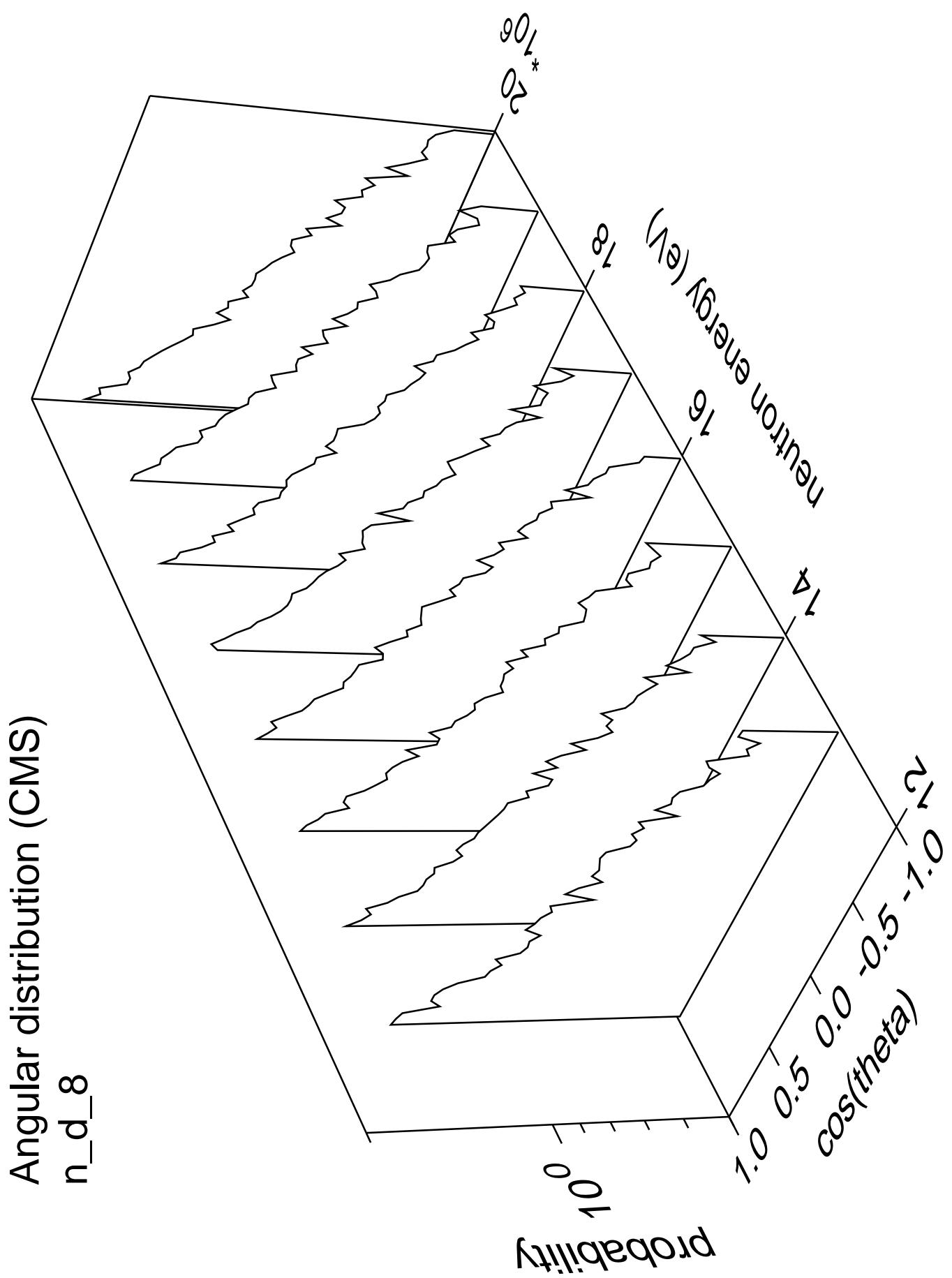


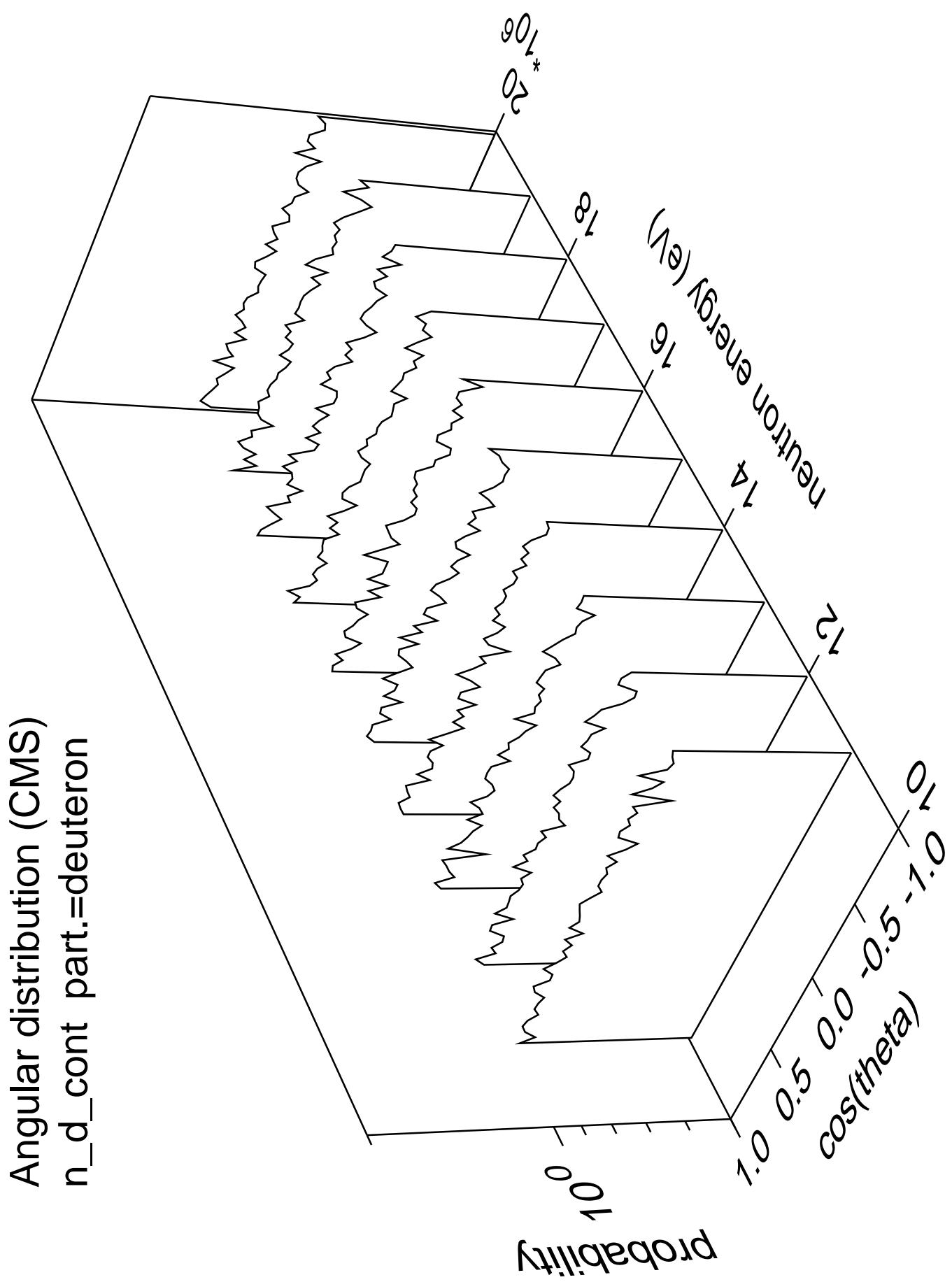




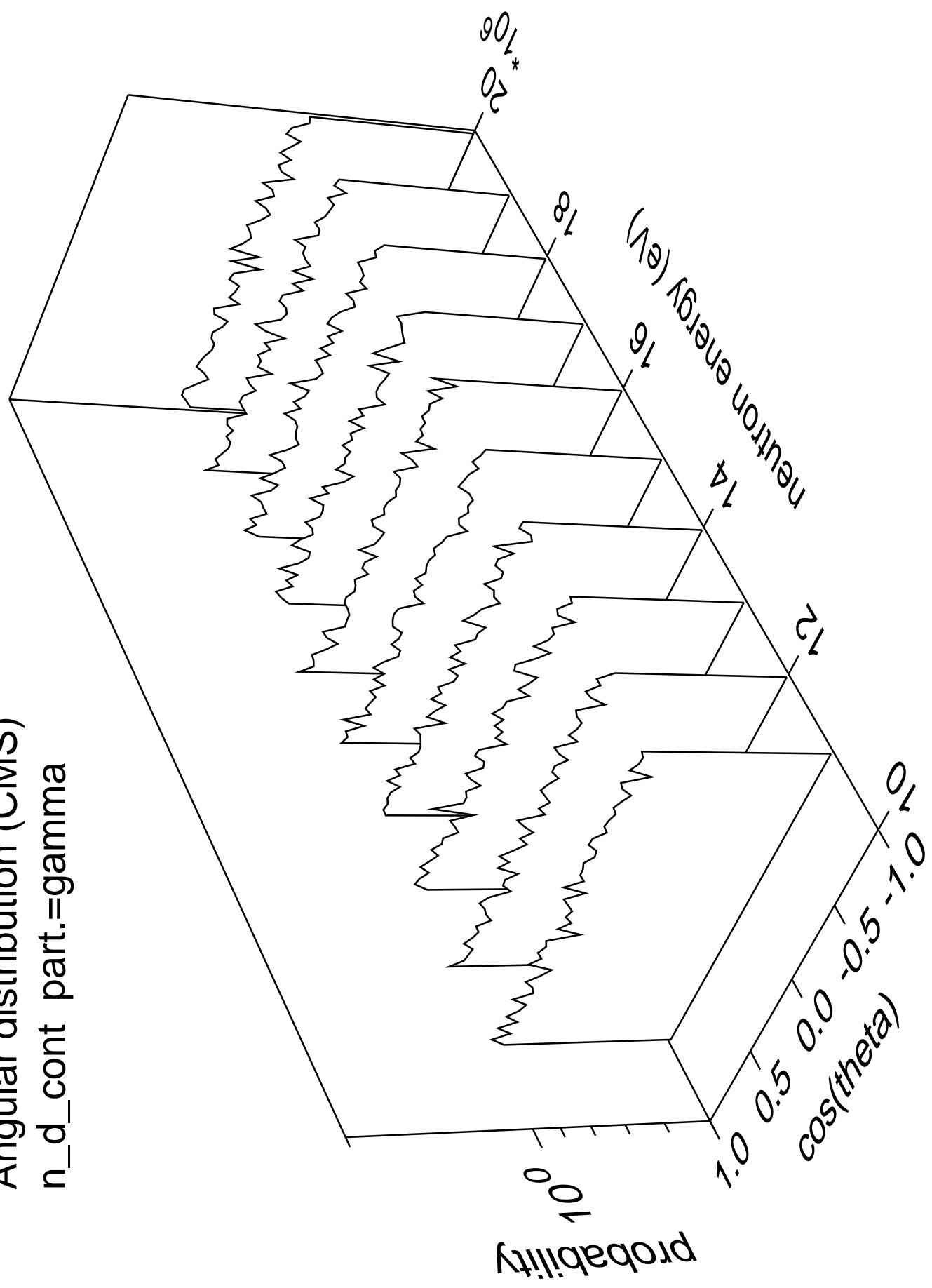




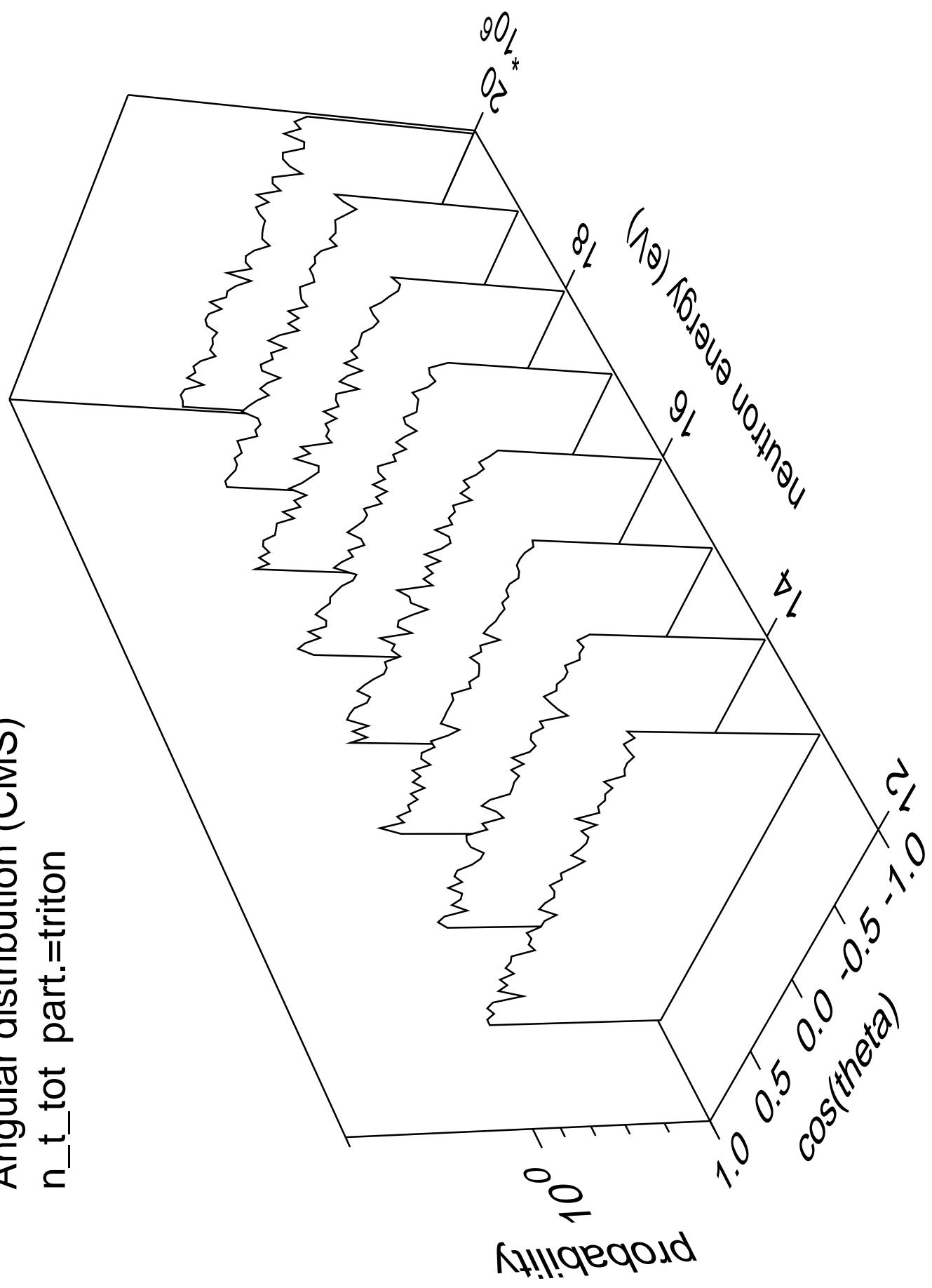




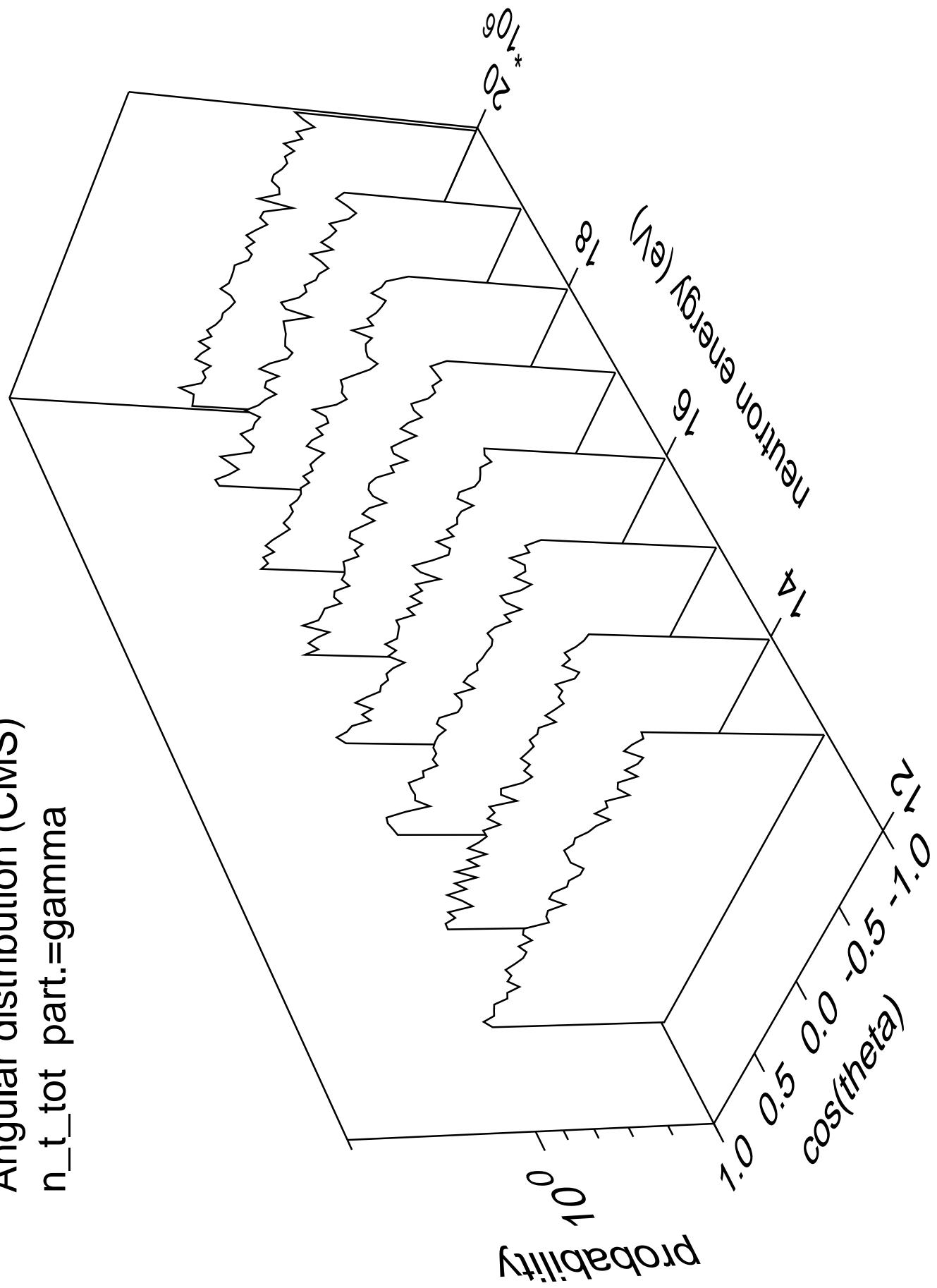
Angular distribution (CMS)  
n\_d\_cont part.=gamma



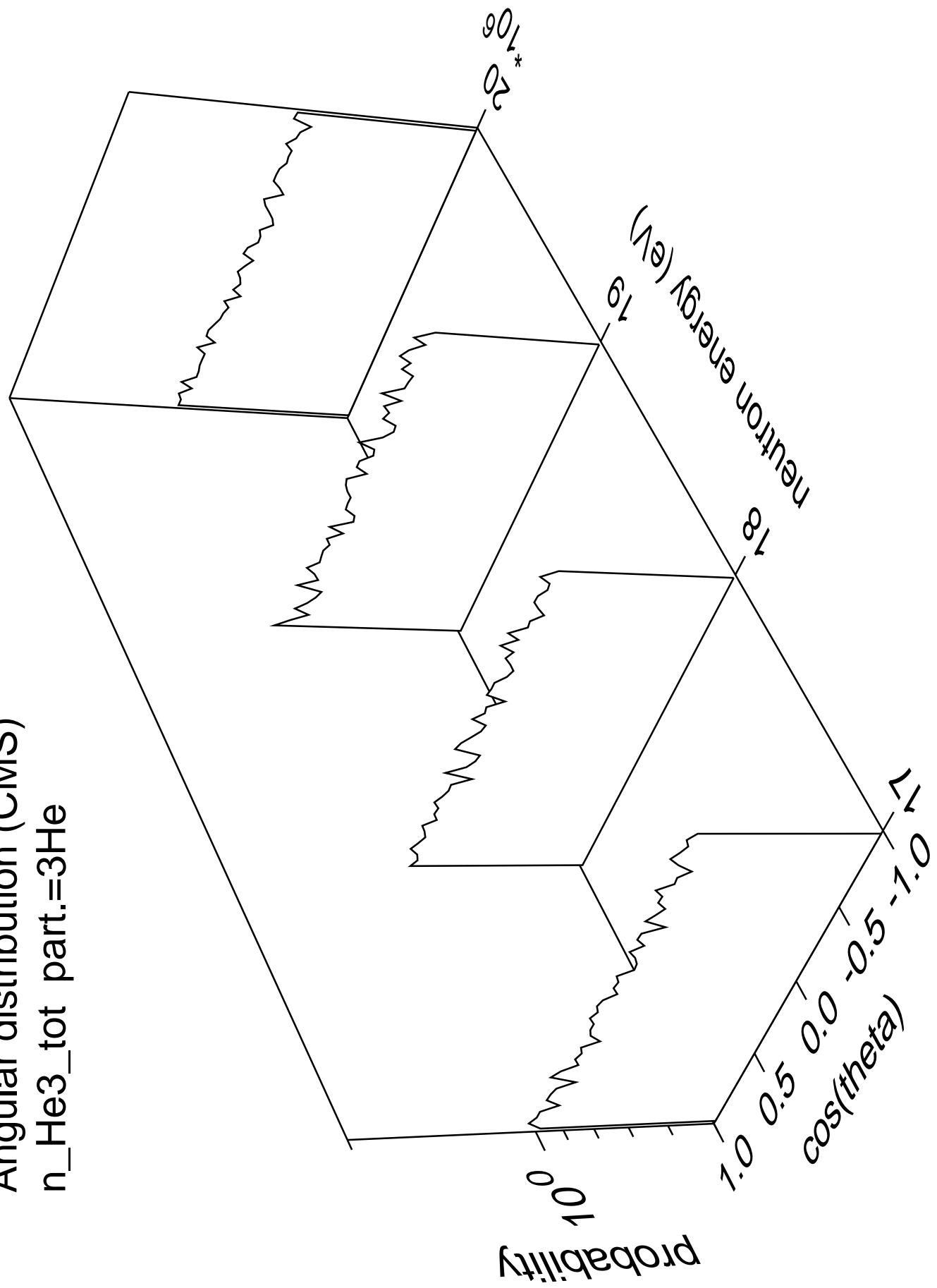
Angular distribution (CMS)  
 $n_t$  tot part.=triton



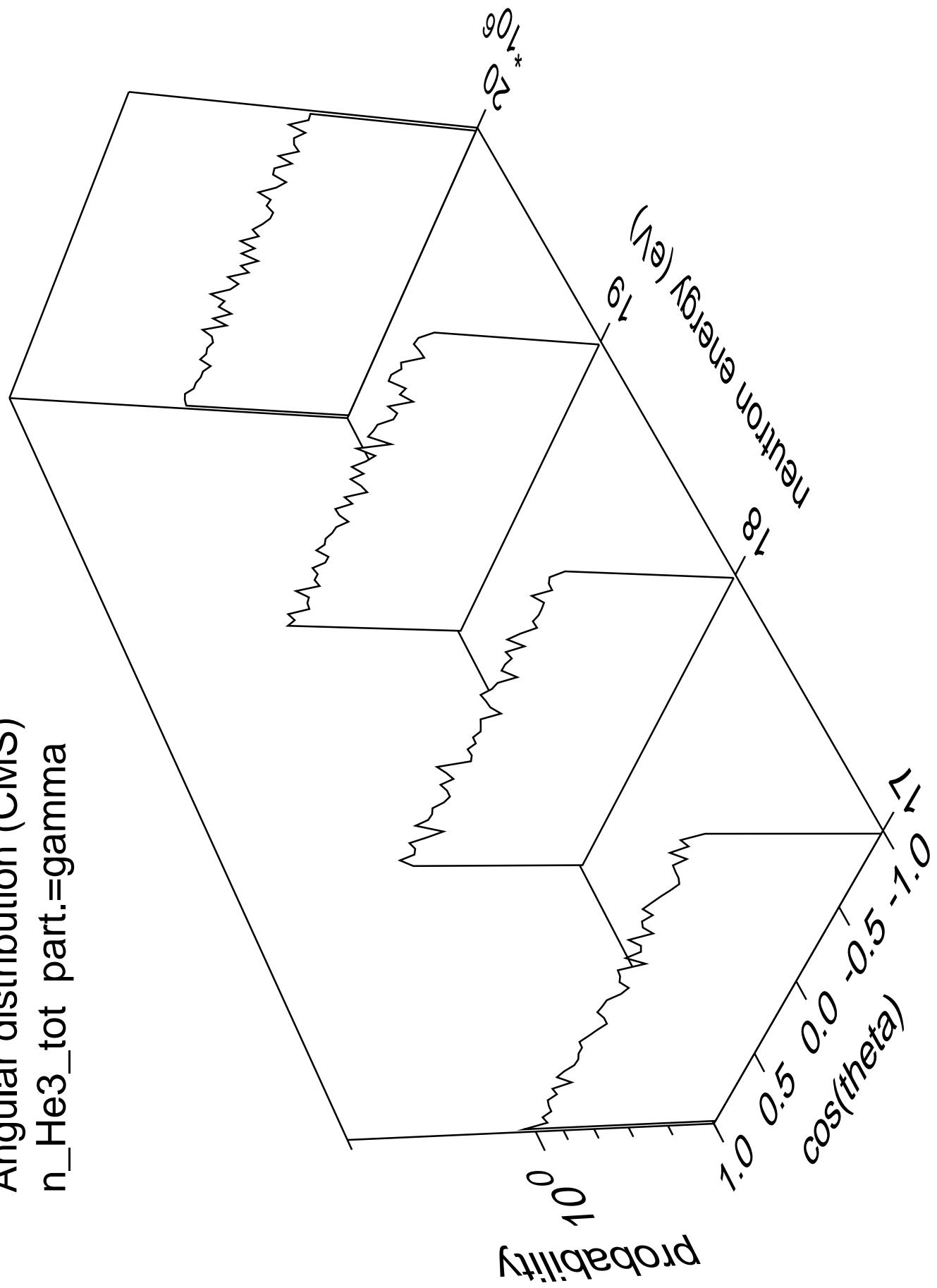
Angular distribution (CMS)  
 $n_t$  tot part.=gamma



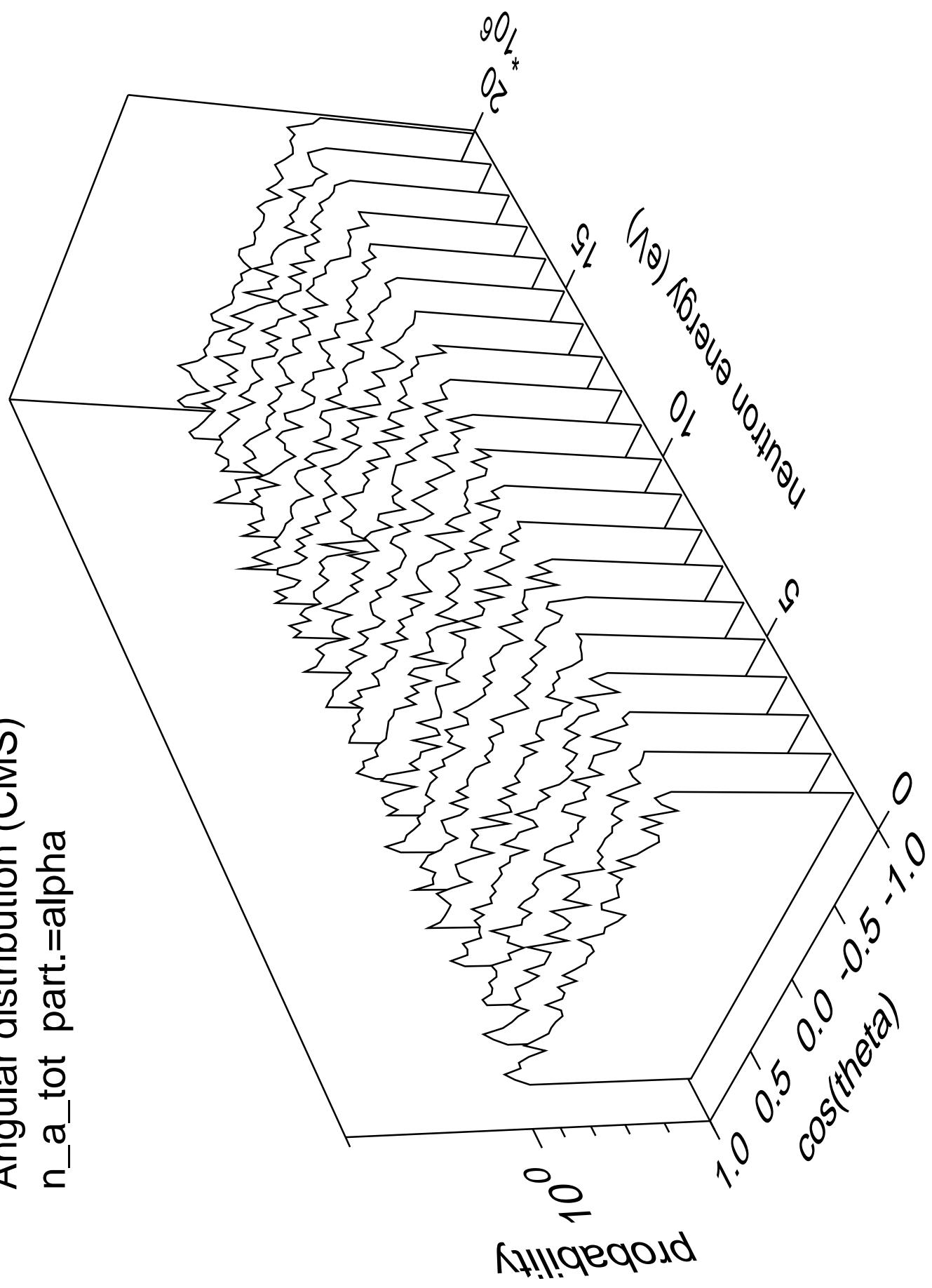
Angular distribution (CMS)  
 $n_{\text{He3\_tot}}$  part.= $3\text{He}$



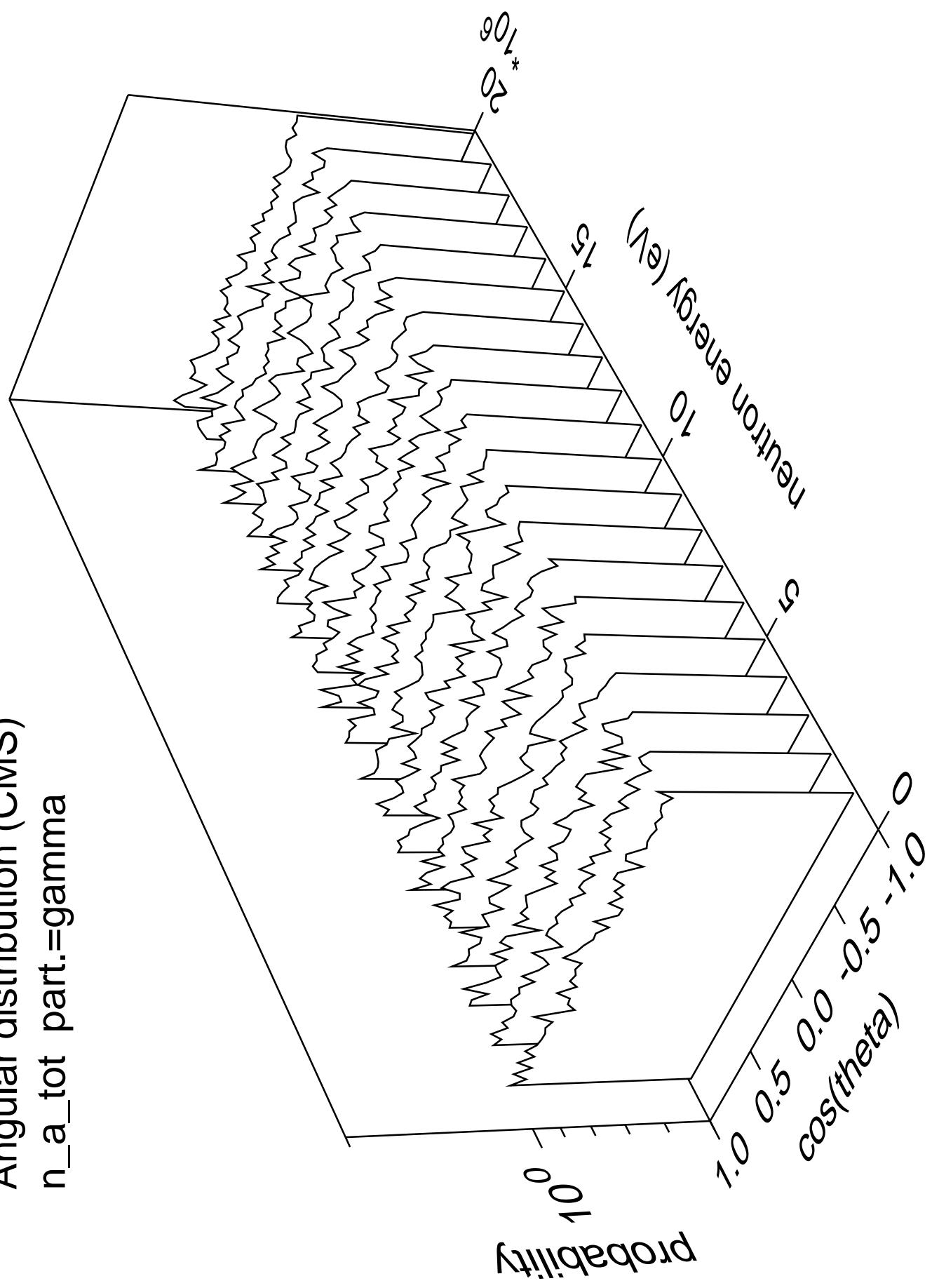
Angular distribution (CMS)  
 $n_{\text{He3\_tot}}$  part.=gamma



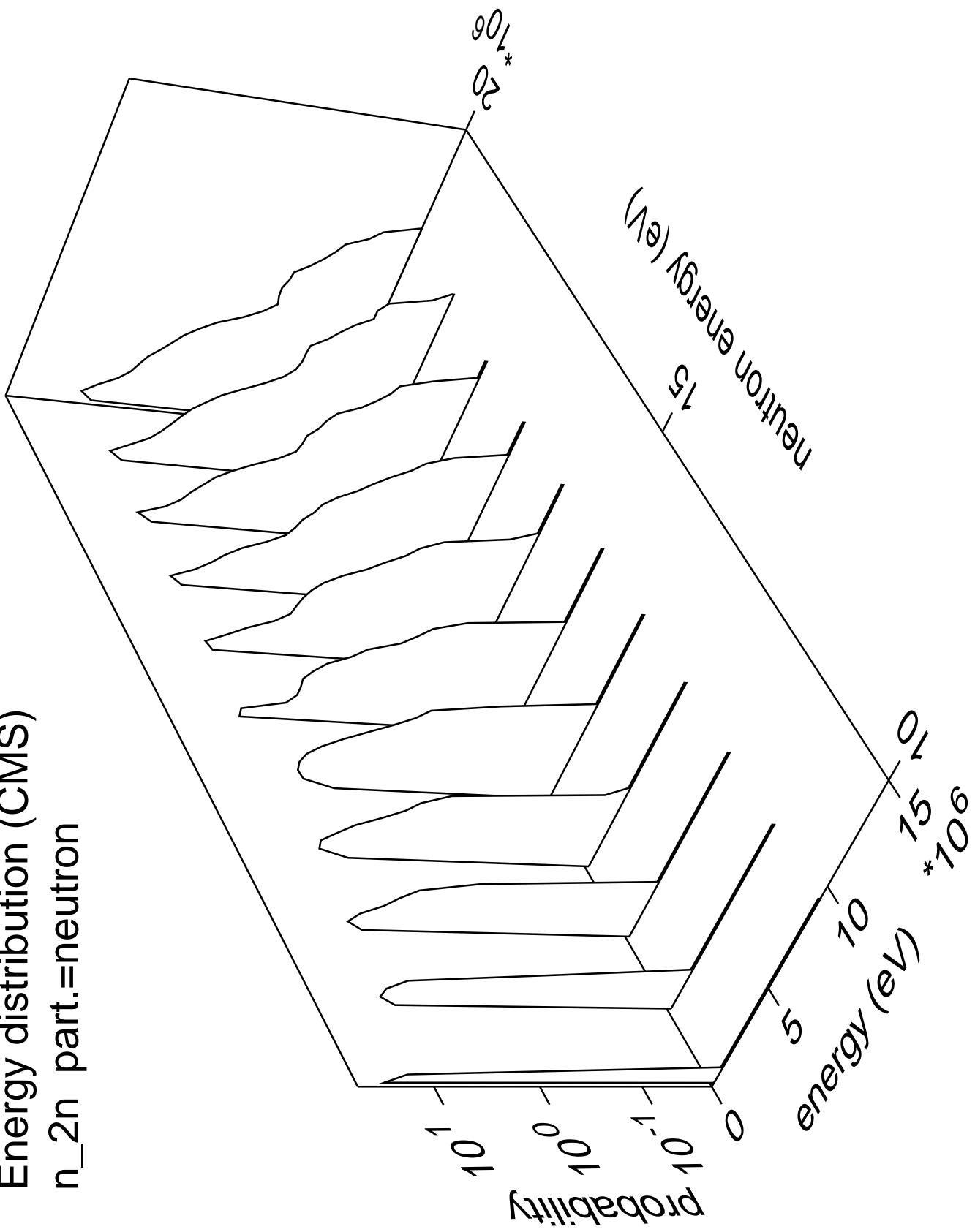
Angular distribution (CMS)  
 $n_a_{tot}$  part.=alpha



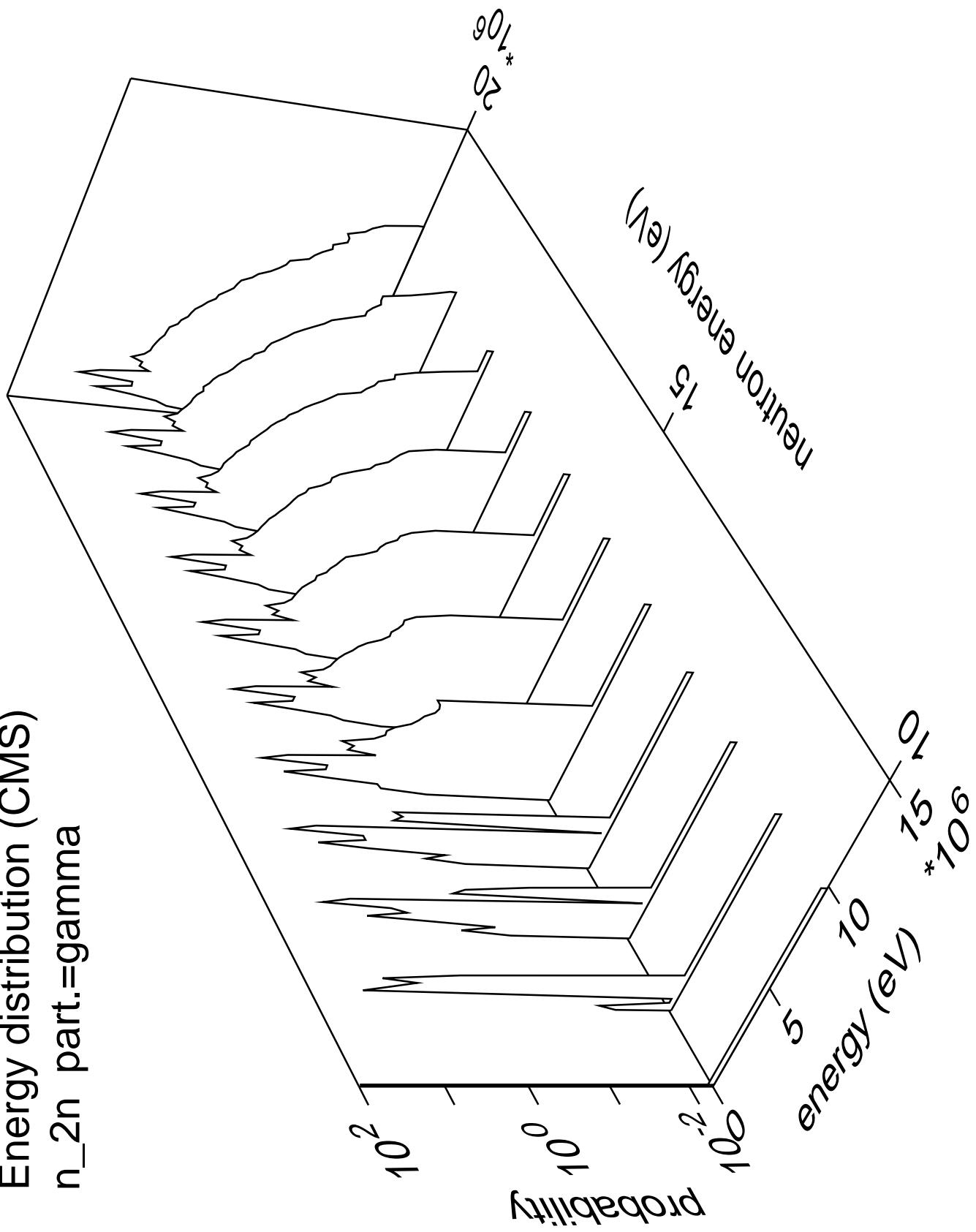
Angular distribution (CMS)  
 $n_a_{tot}$  part.=gamma



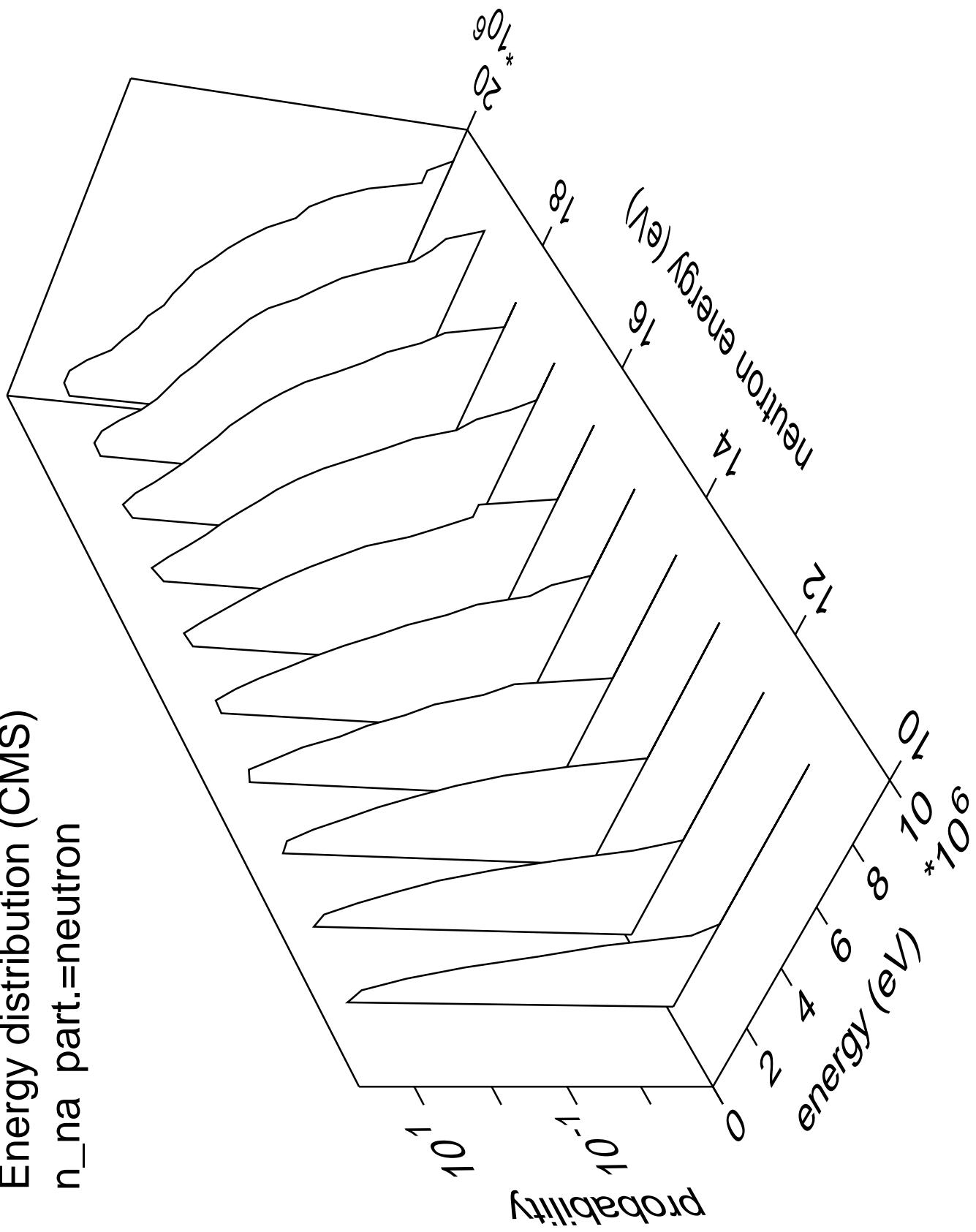
Energy distribution (CMS)  
 $n_{2n}$  part.=neutron



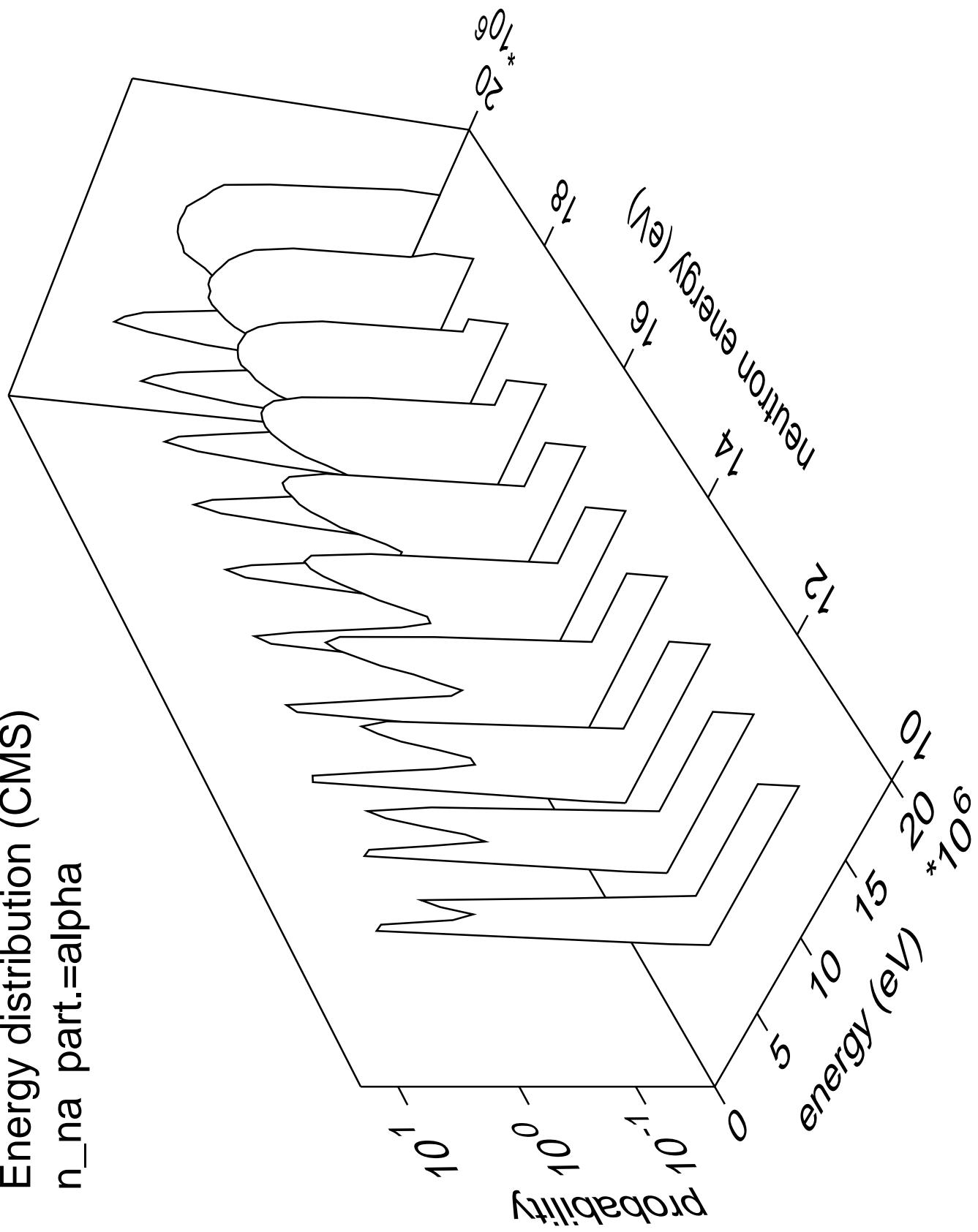
Energy distribution (CMS)  
 $n_{2n}$  part.=gamma

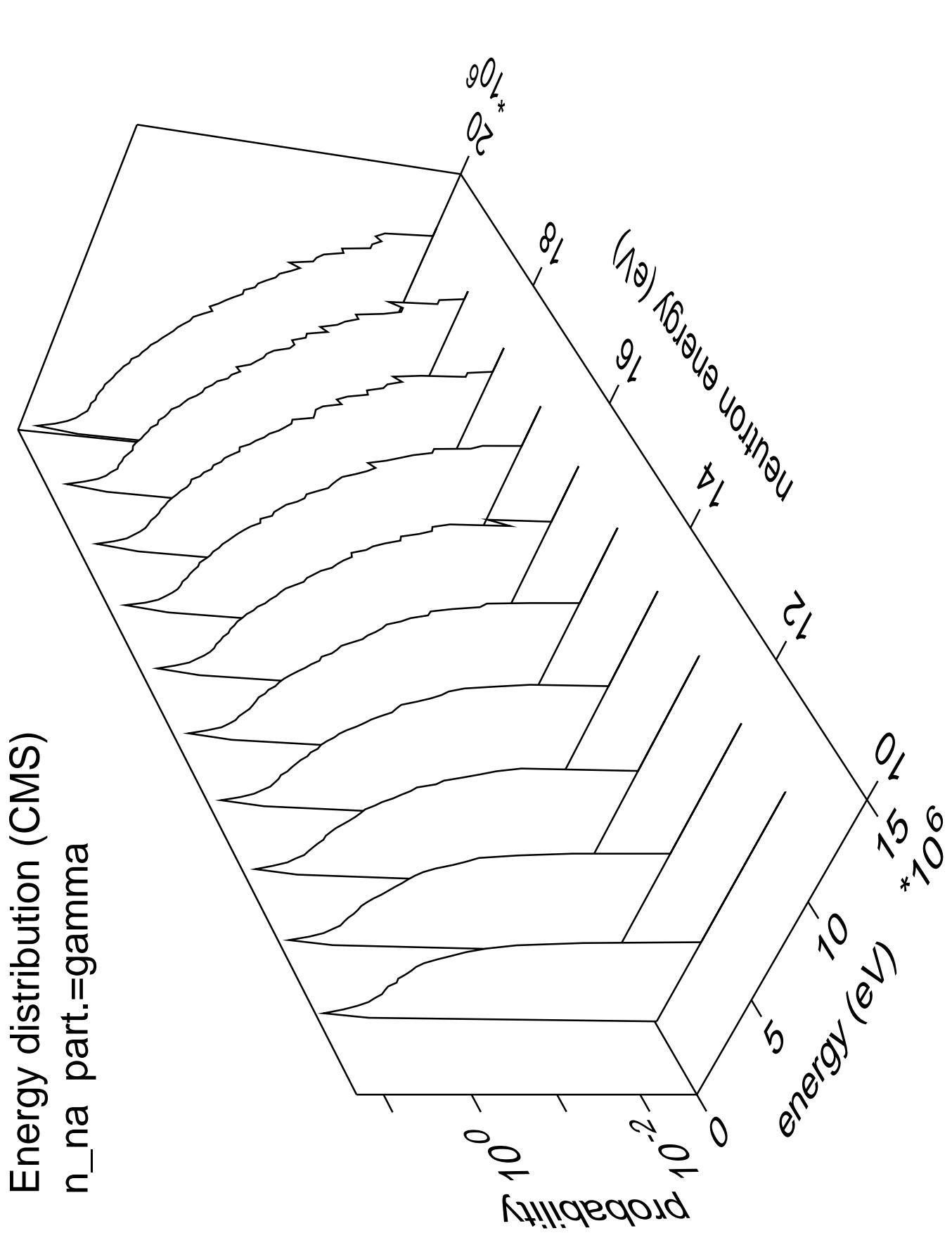


Energy distribution (CMS)  
 $n_{\text{na}} \text{ part.} = \text{neutron}$

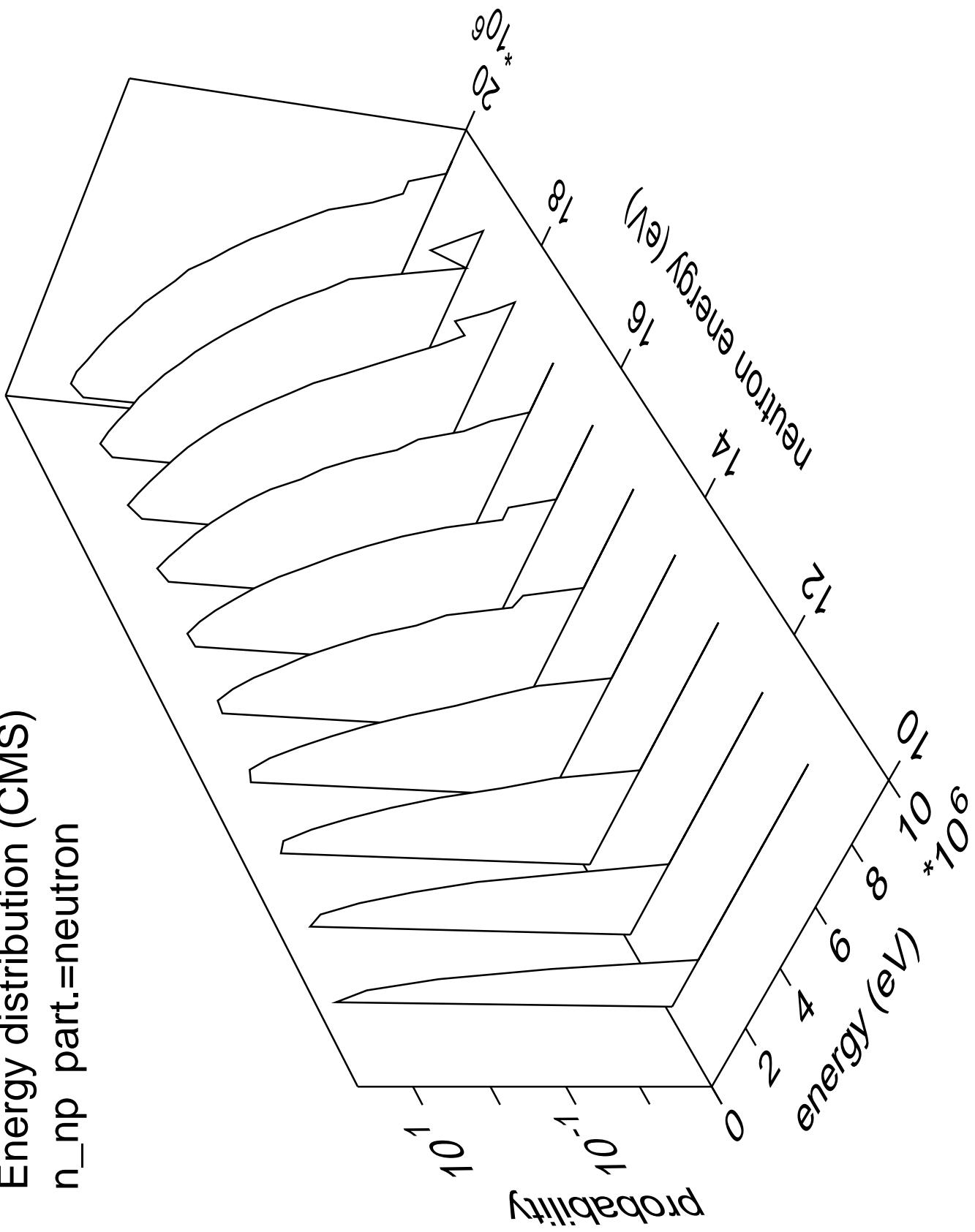


Energy distribution (CMS)  
 $n_{\text{na}} \text{ part.} = \text{alpha}$

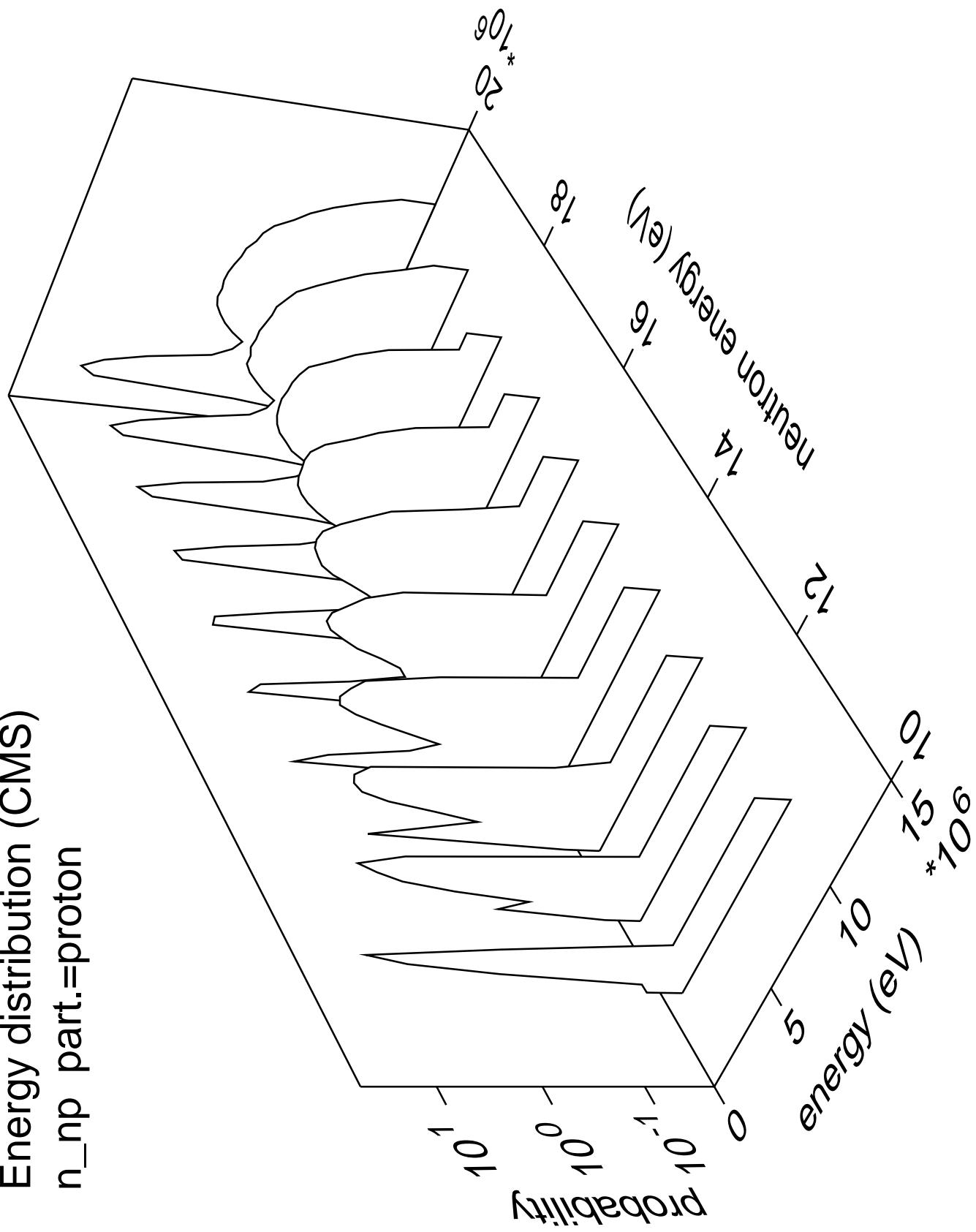




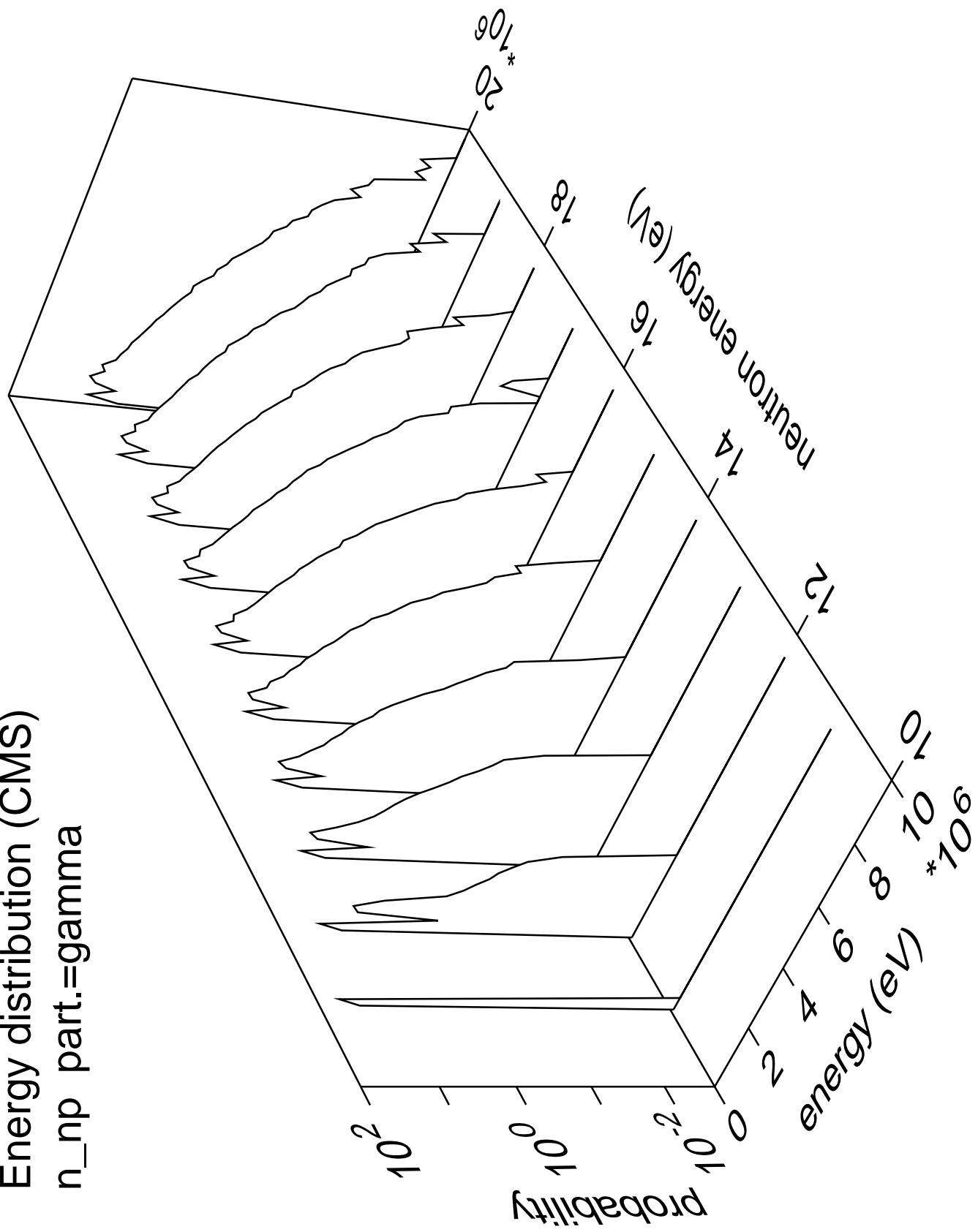
Energy distribution (CMS)  
 $n_{np}$  part.=neutron



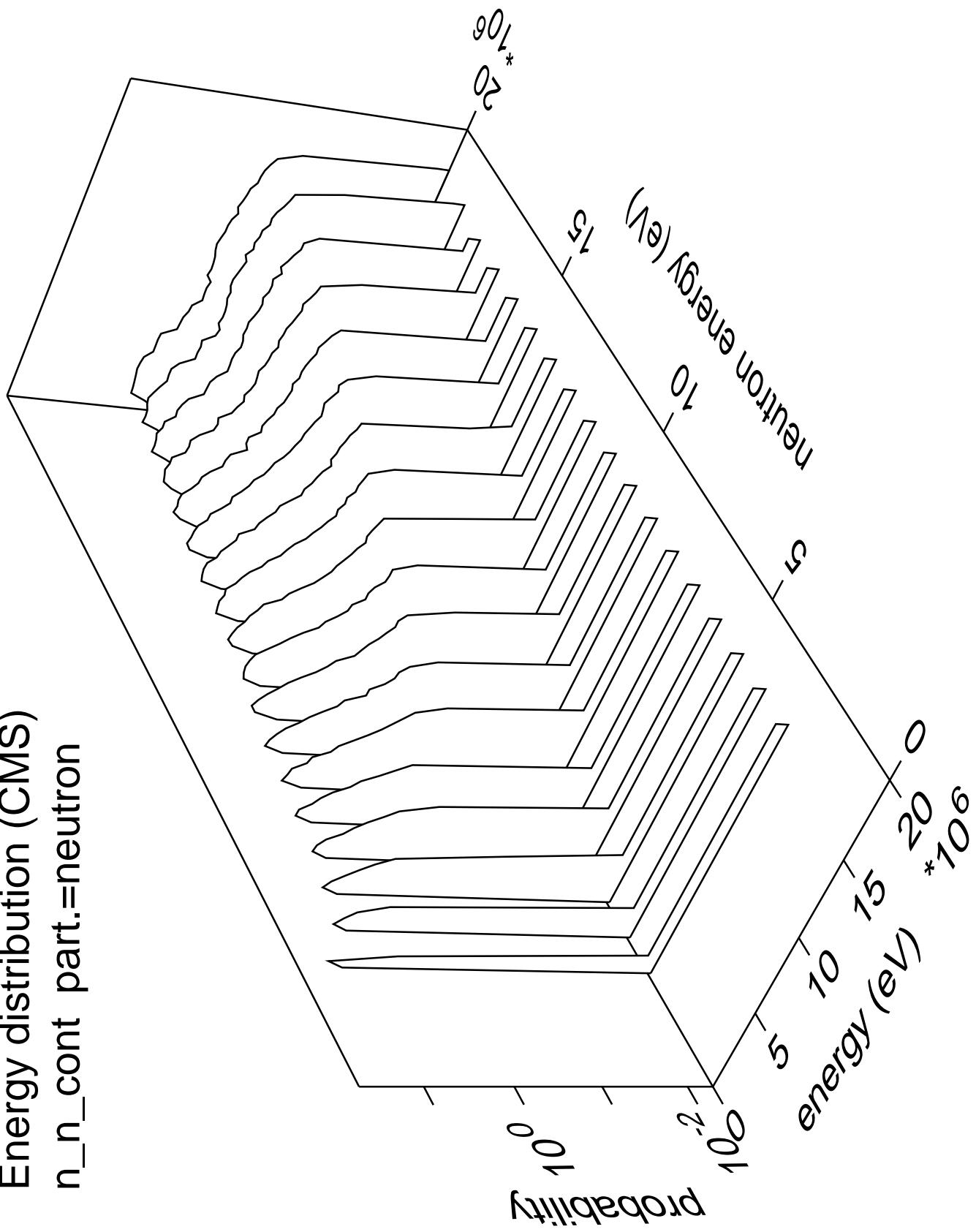
Energy distribution (CMS)  
 $n_{np}$  part.=proton



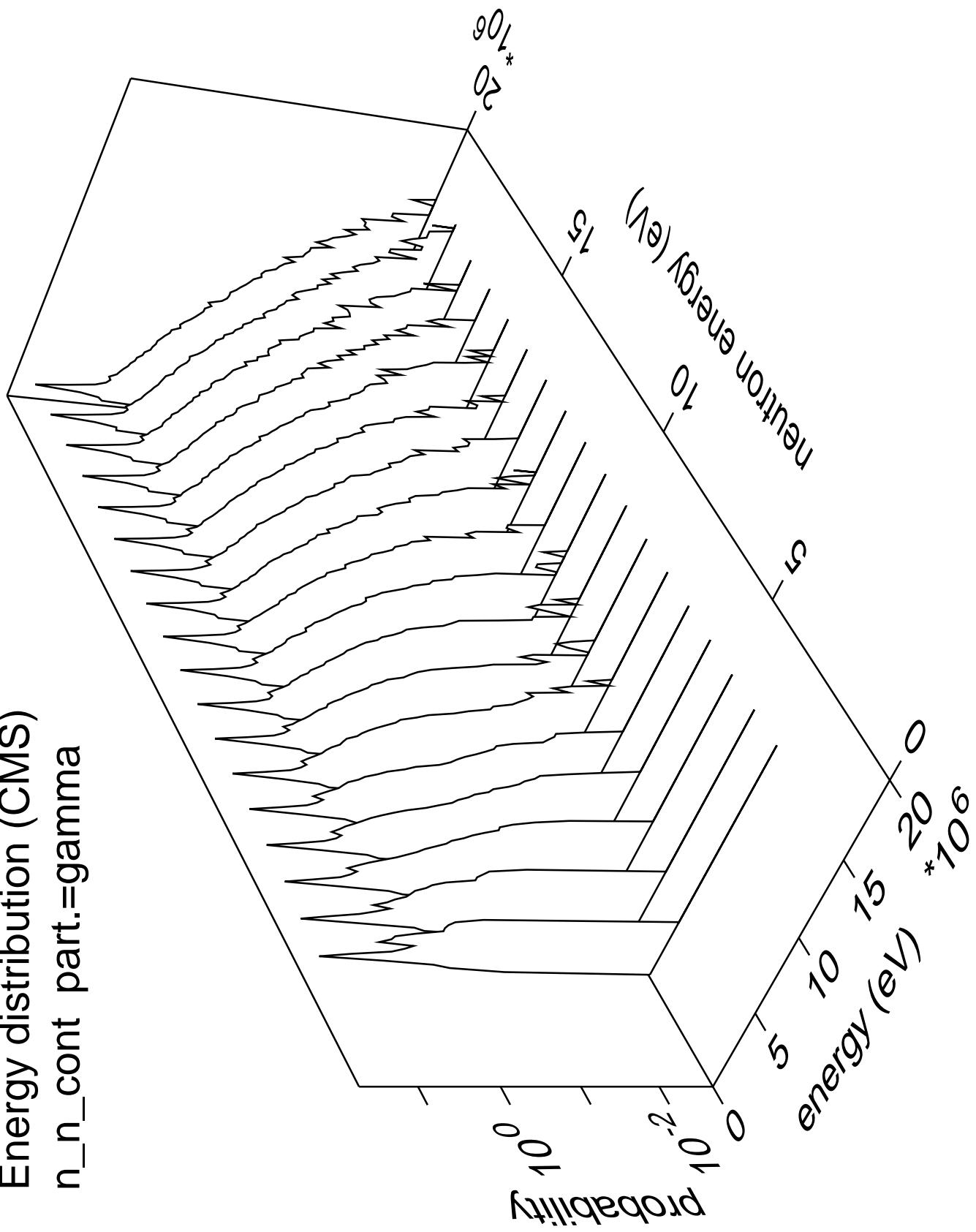
Energy distribution (CMS)  
 $n_{np}$  part.=gamma



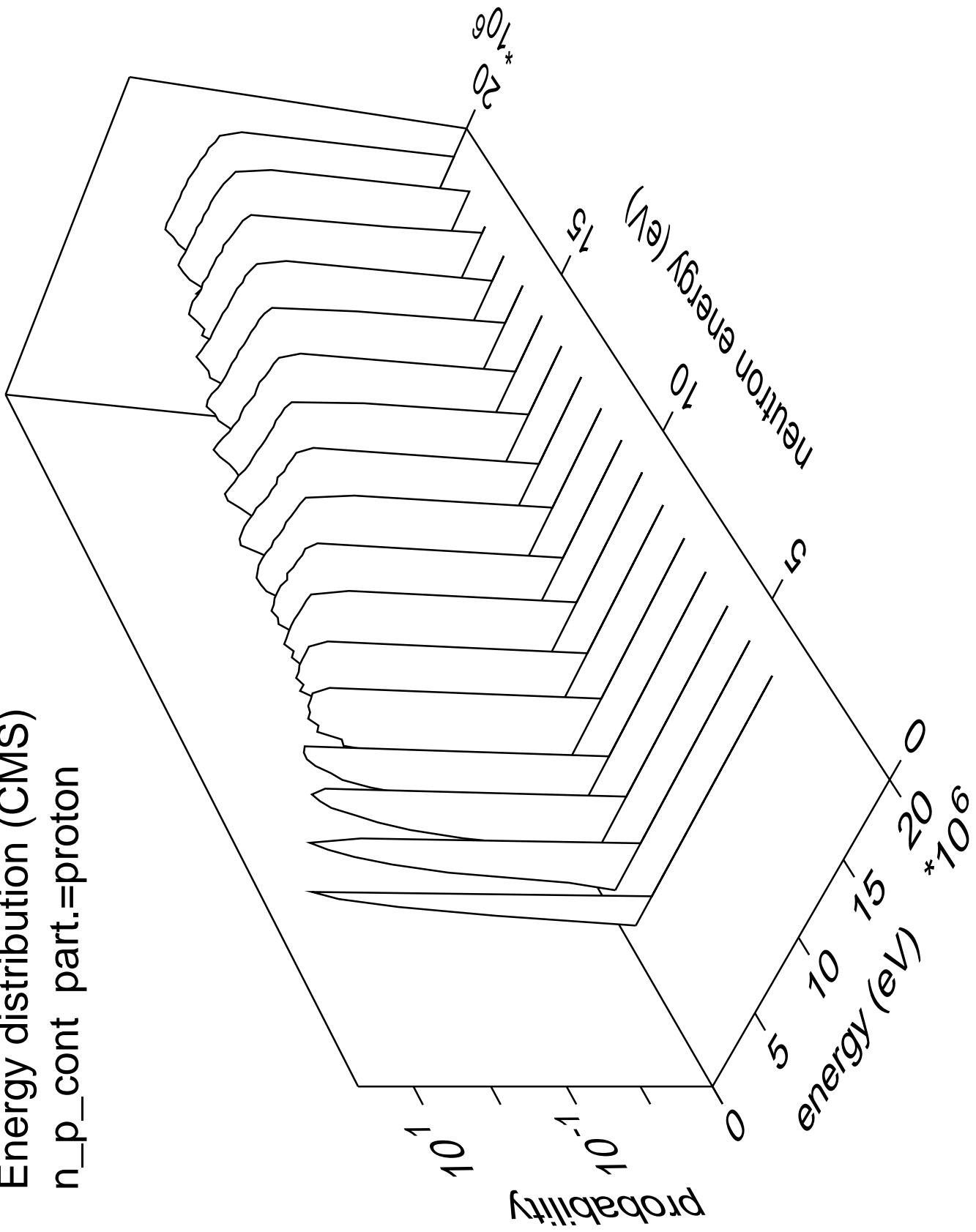
Energy distribution (CMS)  
 $n_n_{cont}$  part.=neutron



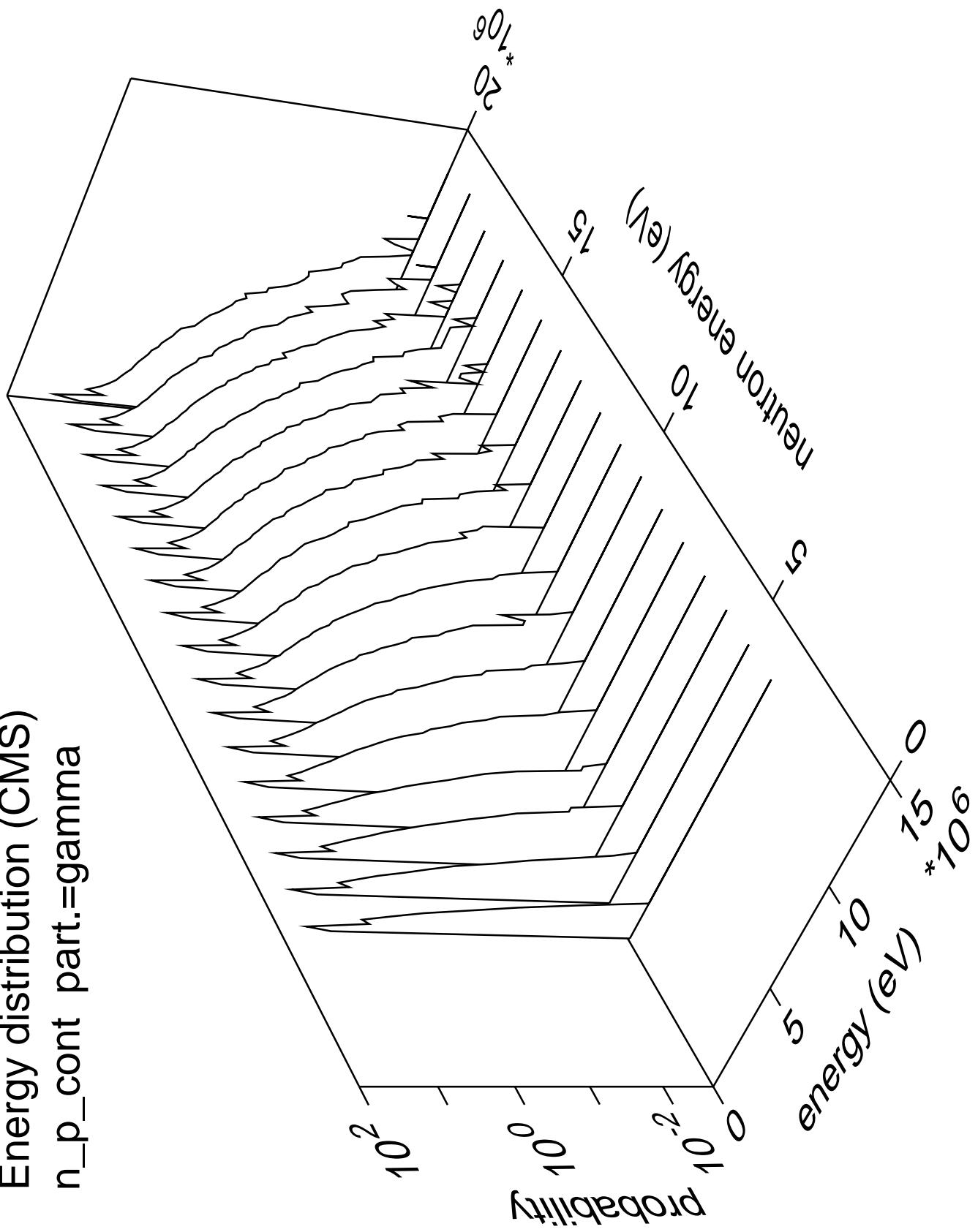
Energy distribution (CMS)  
 $n_n_{cont}$  part.=gamma



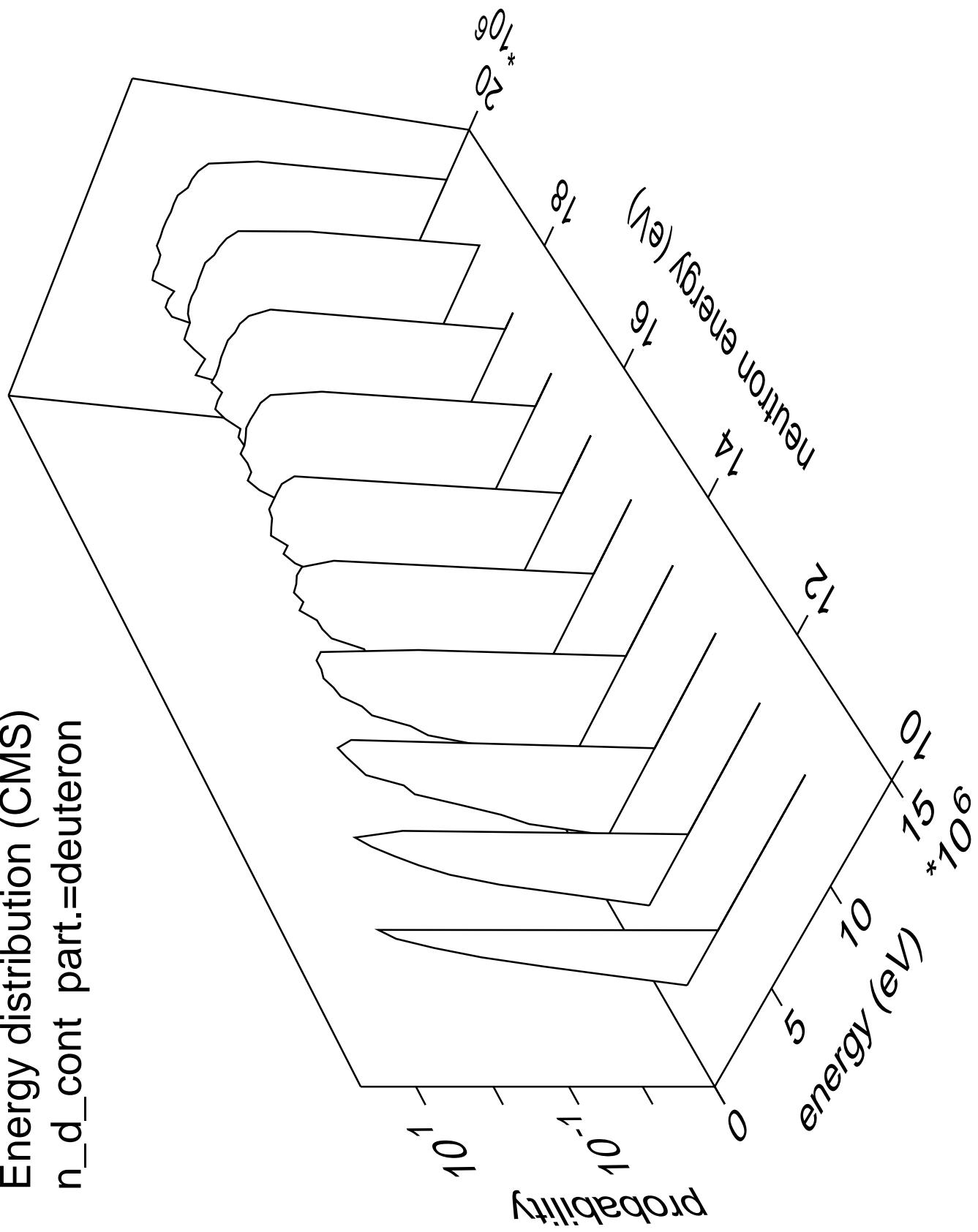
Energy distribution (CMS)  
 $n_p_{\text{cont}} \text{ part.} = \text{proton}$



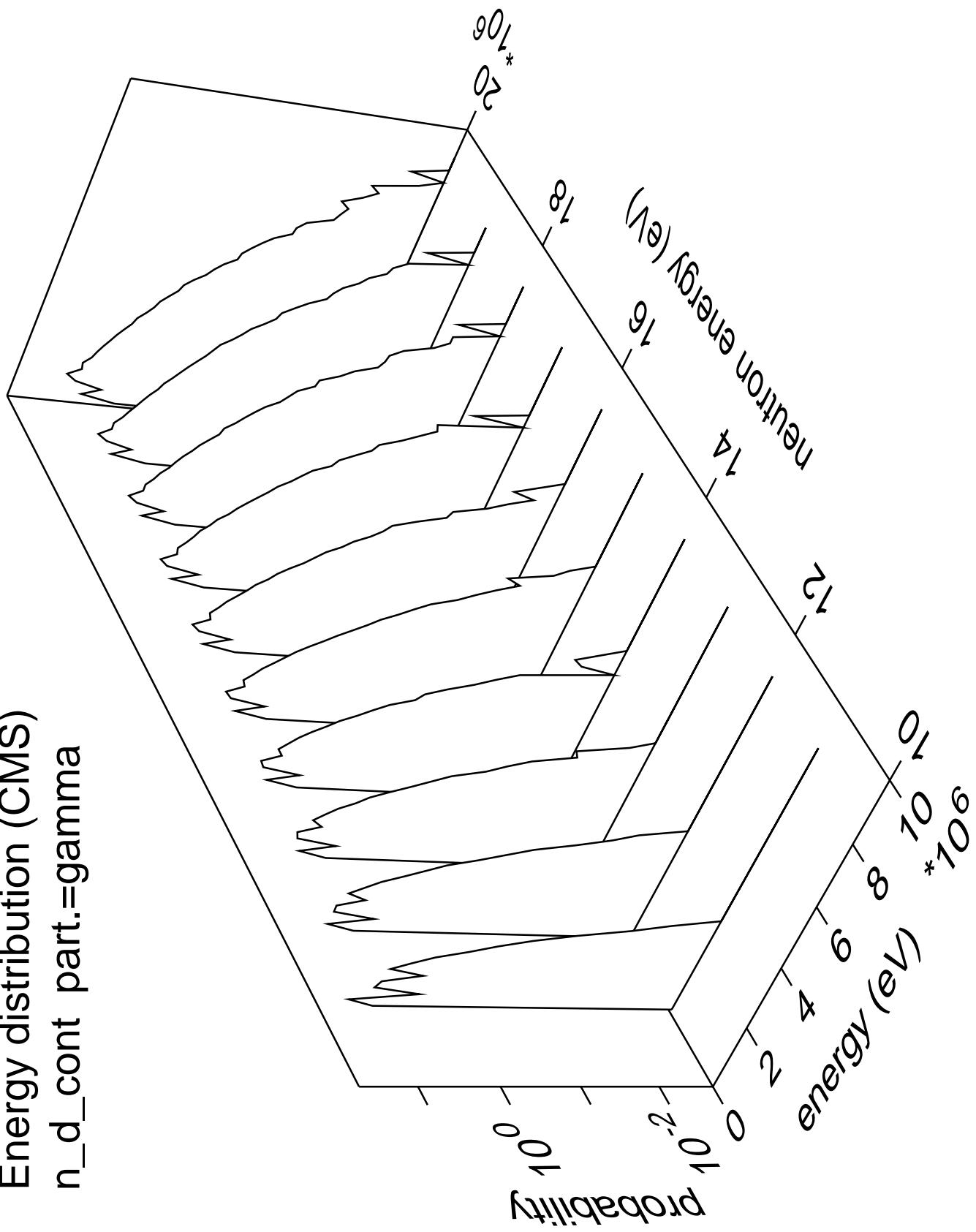
Energy distribution (CMS)  
n\_p\_cont part.=gamma

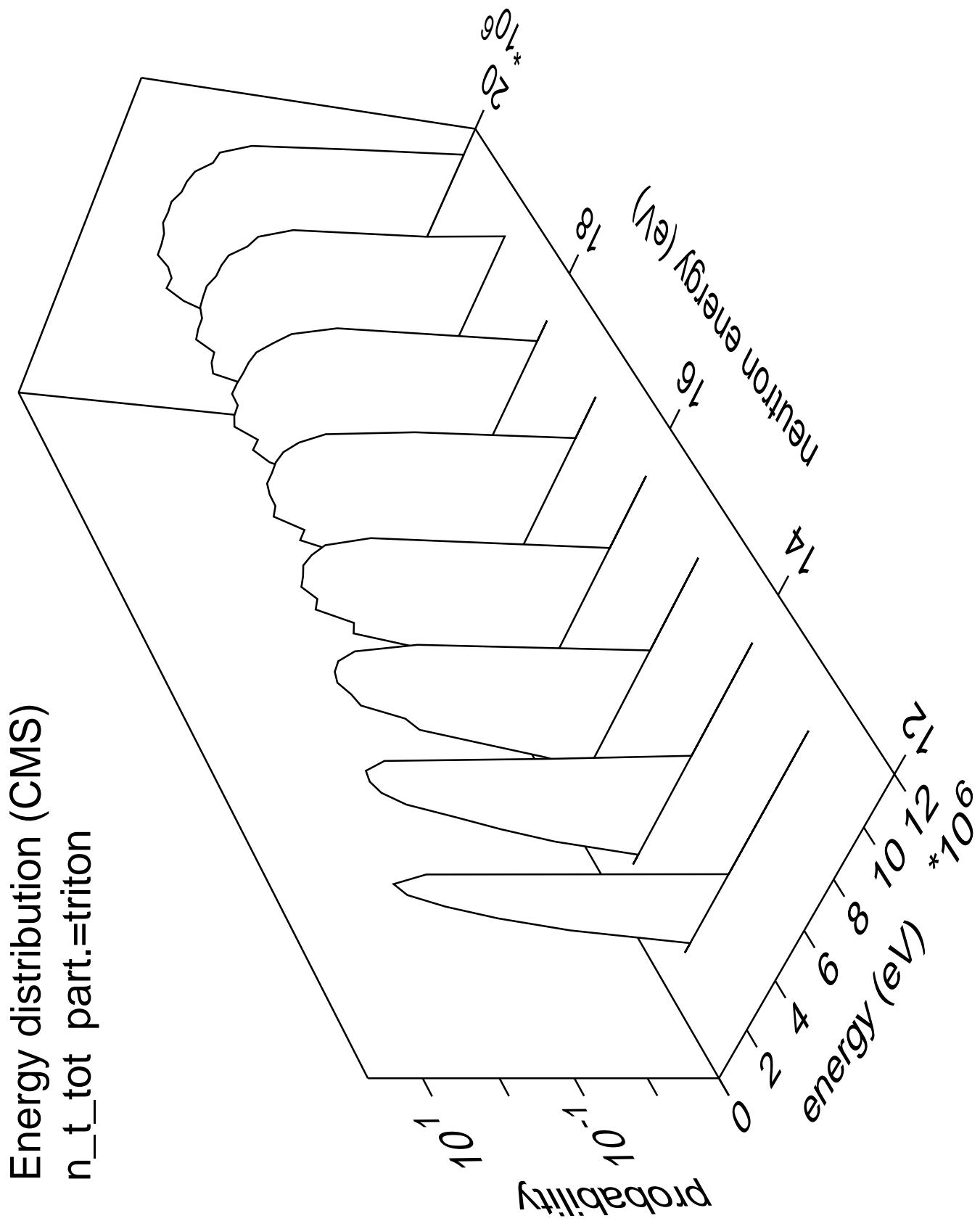


Energy distribution (CMS)  
 $n_d$  cont part.=deuteron

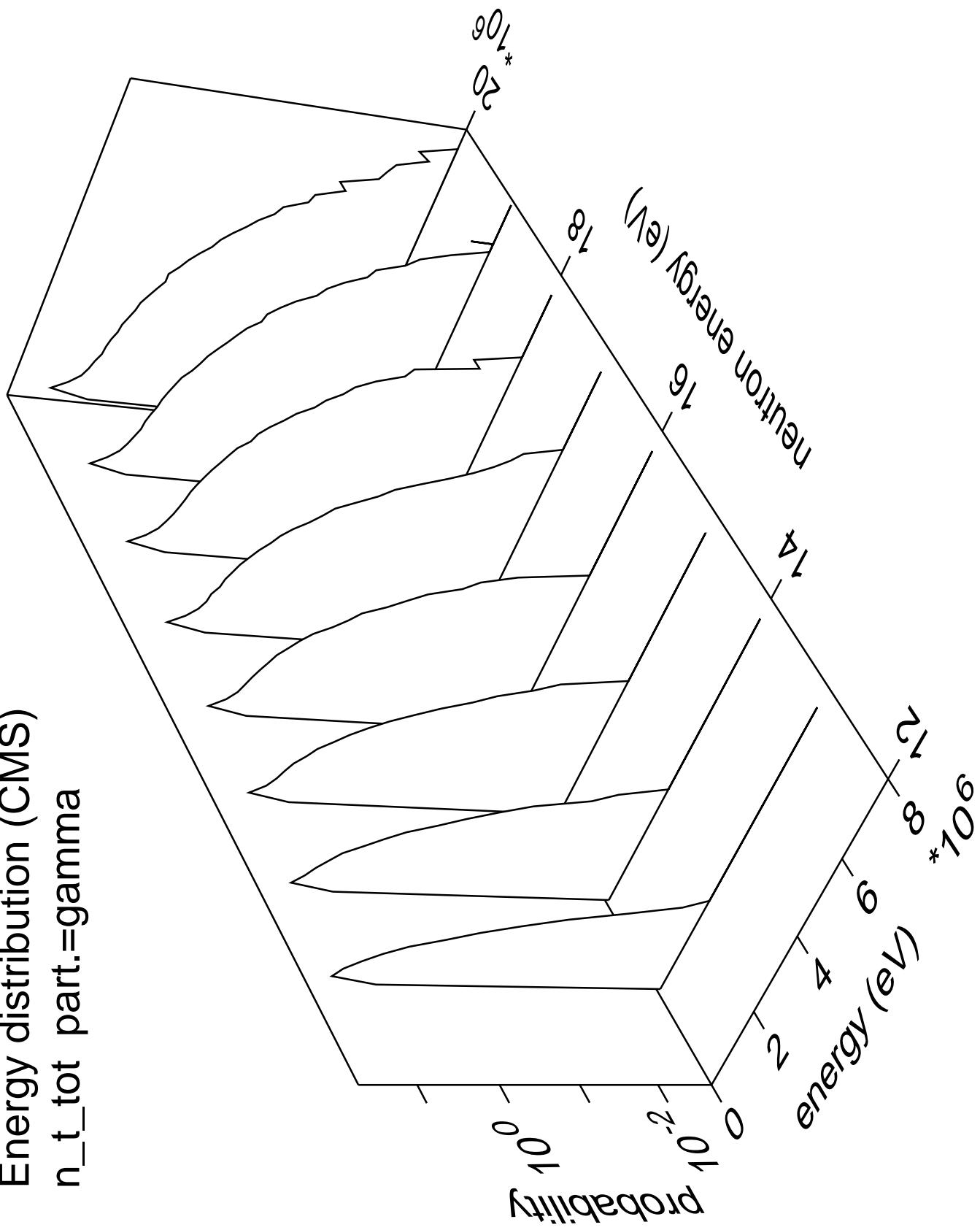


Energy distribution (CMS)  
n\_d\_cont part.=gamma

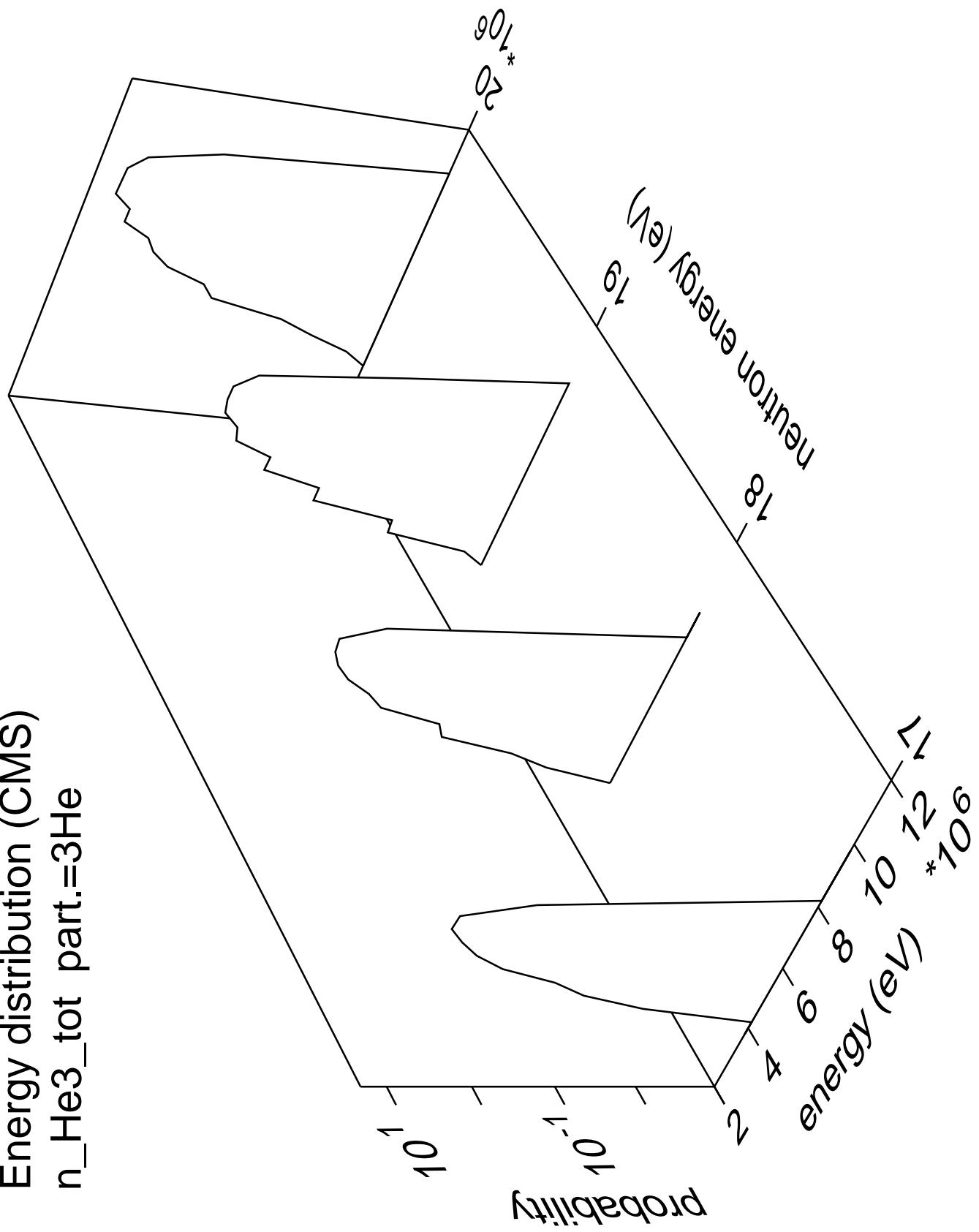




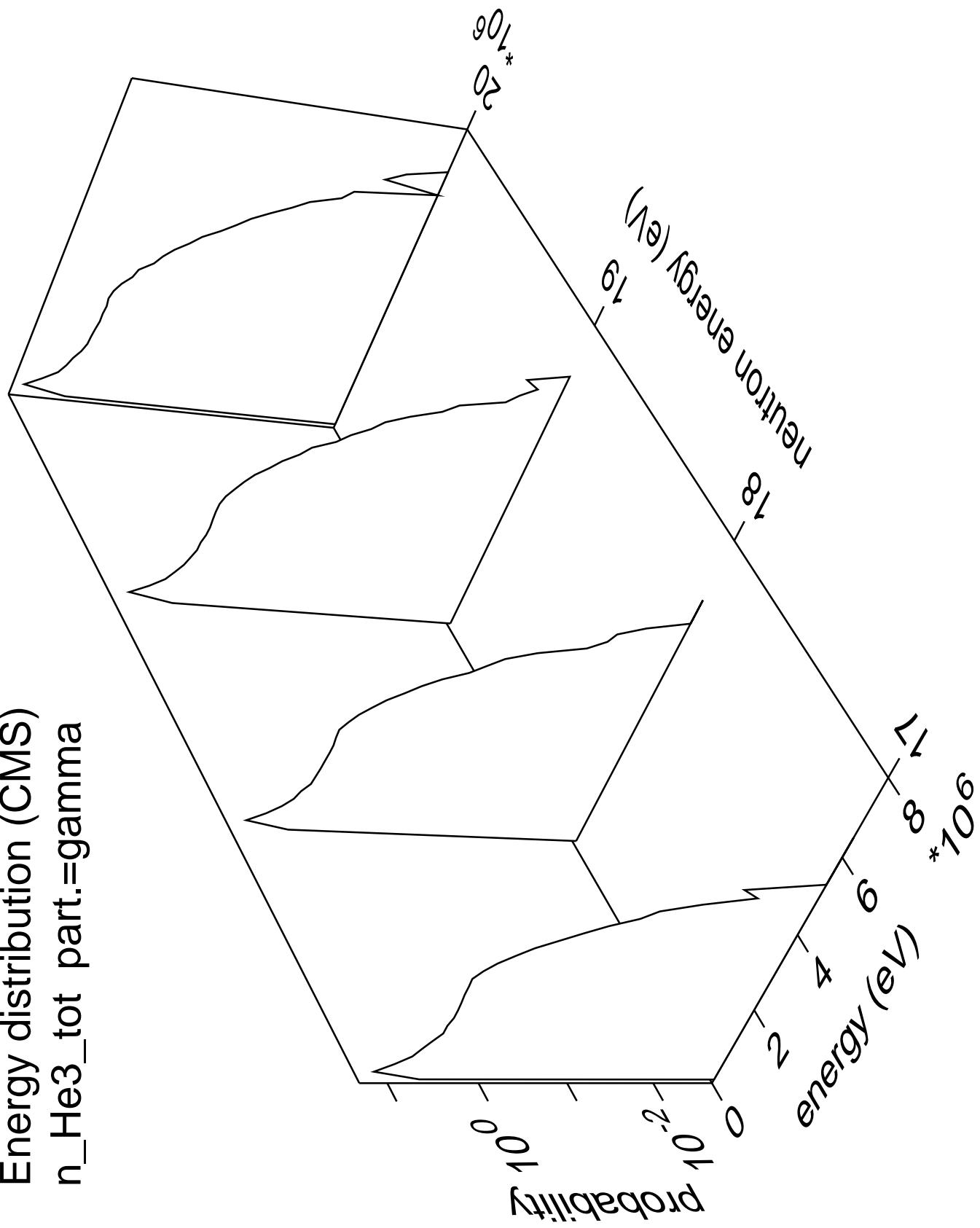
Energy distribution (CMS)  
 $n_t$  tot part.=gamma



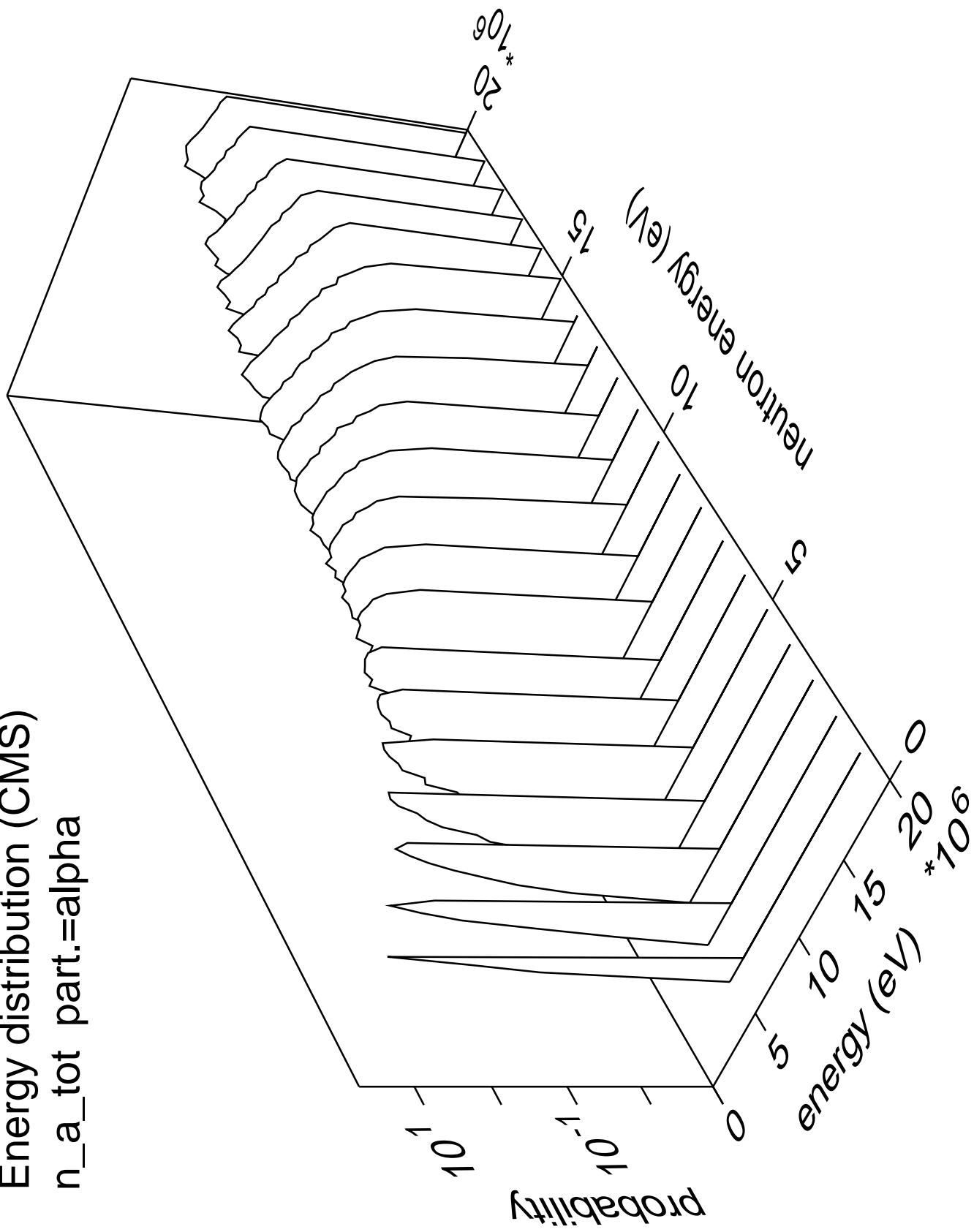
Energy distribution (CMS)  
 $n_{\text{He3\_tot}}$  part.= $3\text{He}$



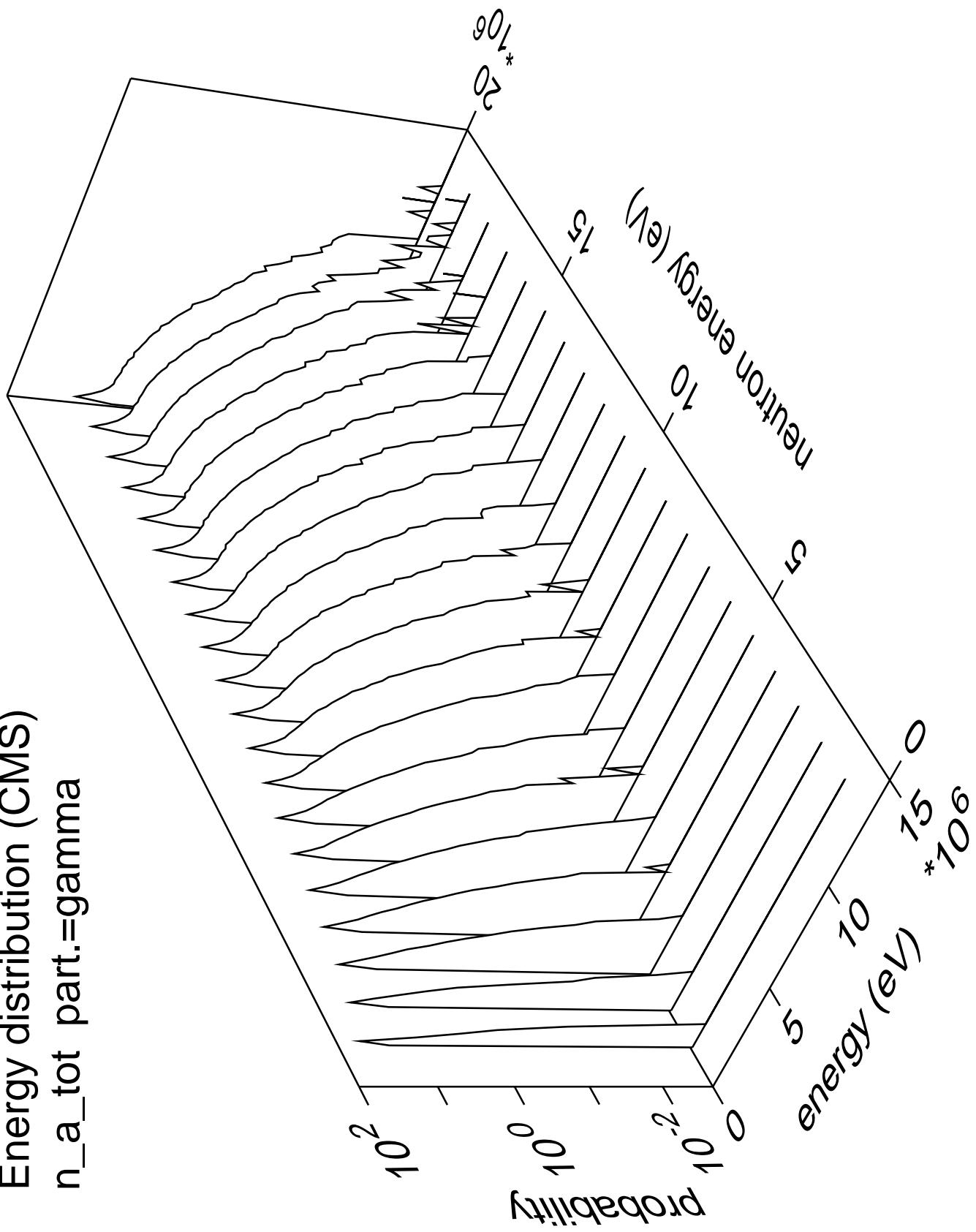
Energy distribution (CMS)  
 $n_{\text{He3\_tot}}$  part.=gamma



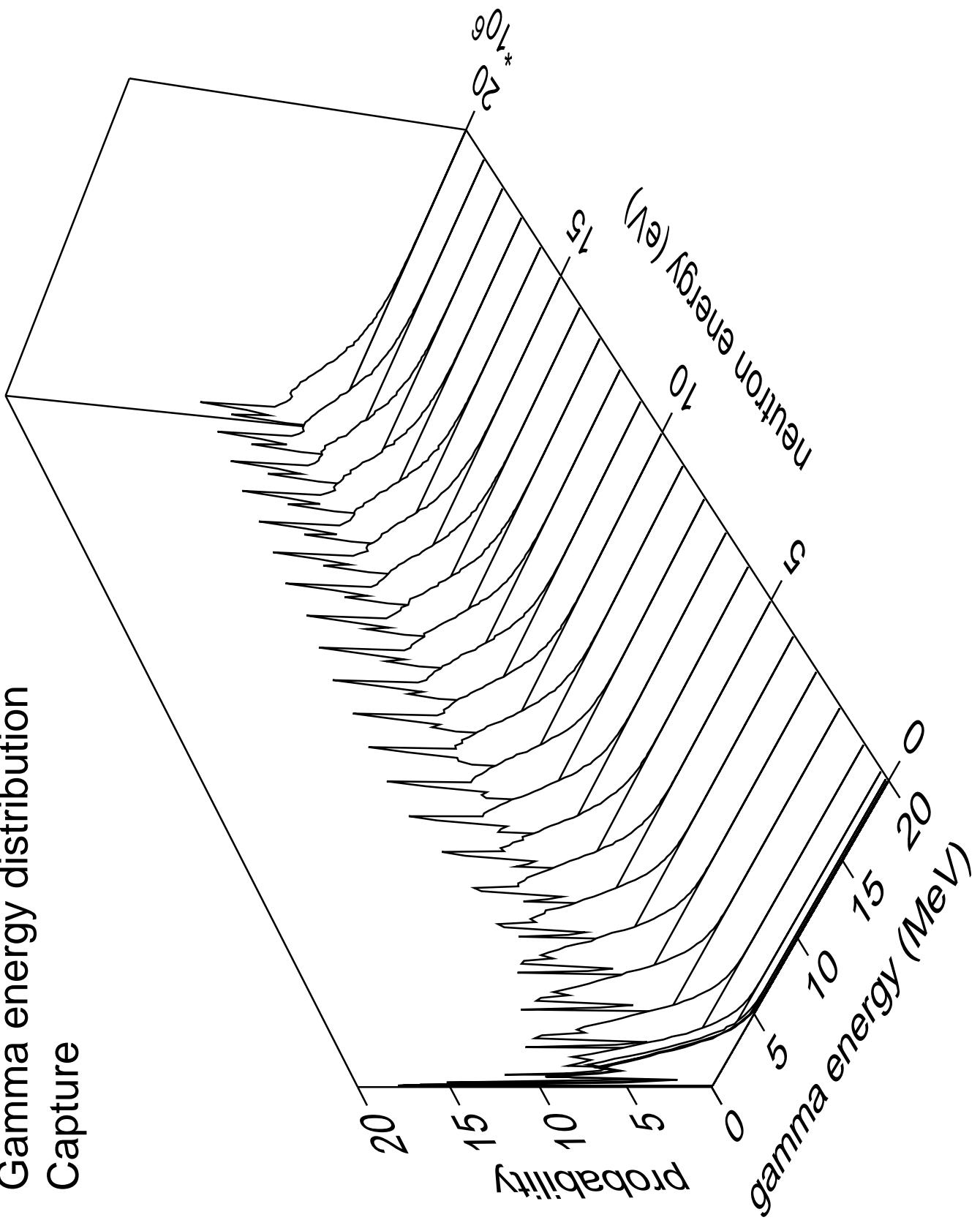
Energy distribution (CMS)  
 $n_a_{tot}$  part.=alpha



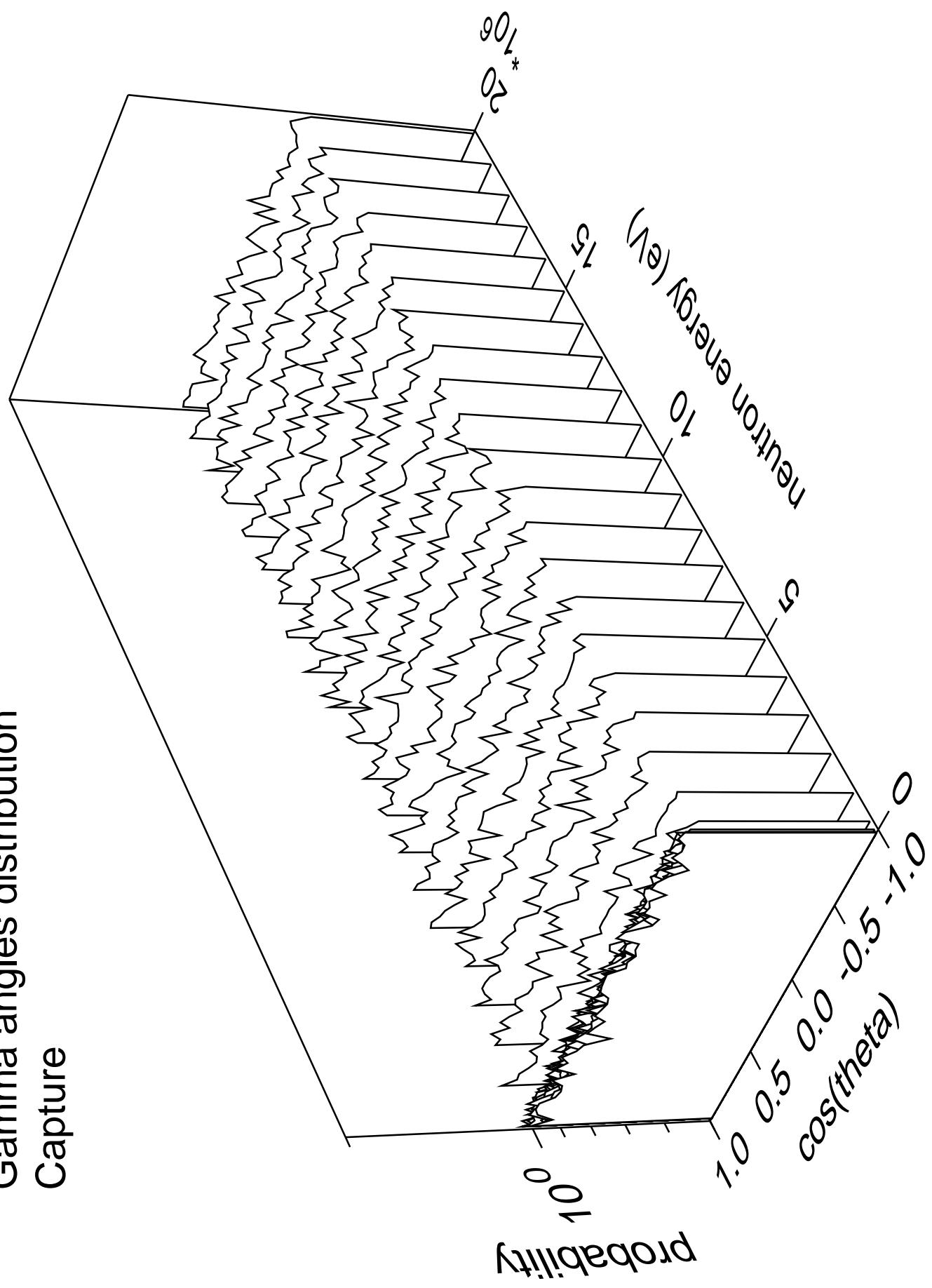
Energy distribution (CMS)  
 $n_a_{tot}$  part.=gamma



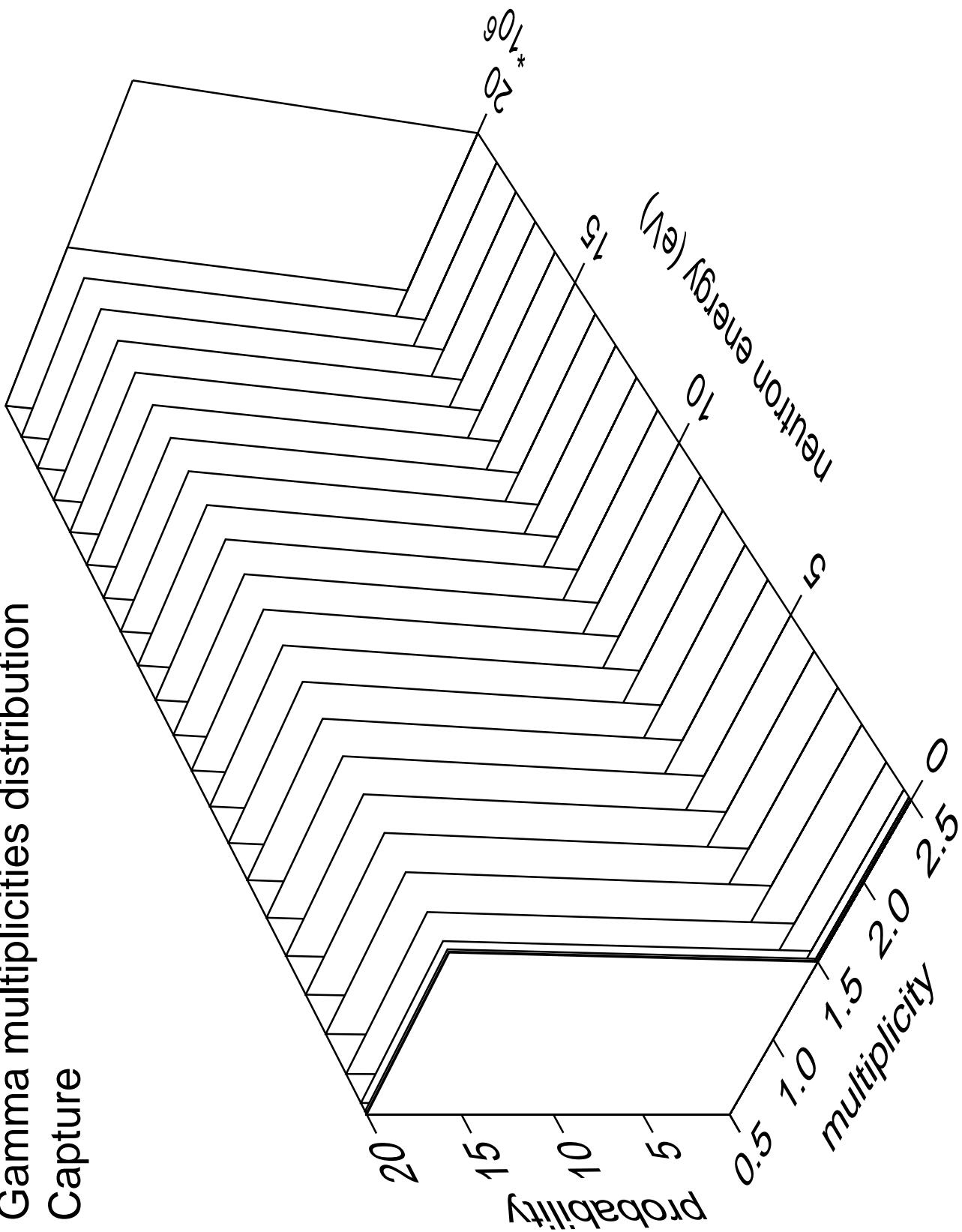
# Gamma energy distribution Capture



# Gamma angles distribution Capture

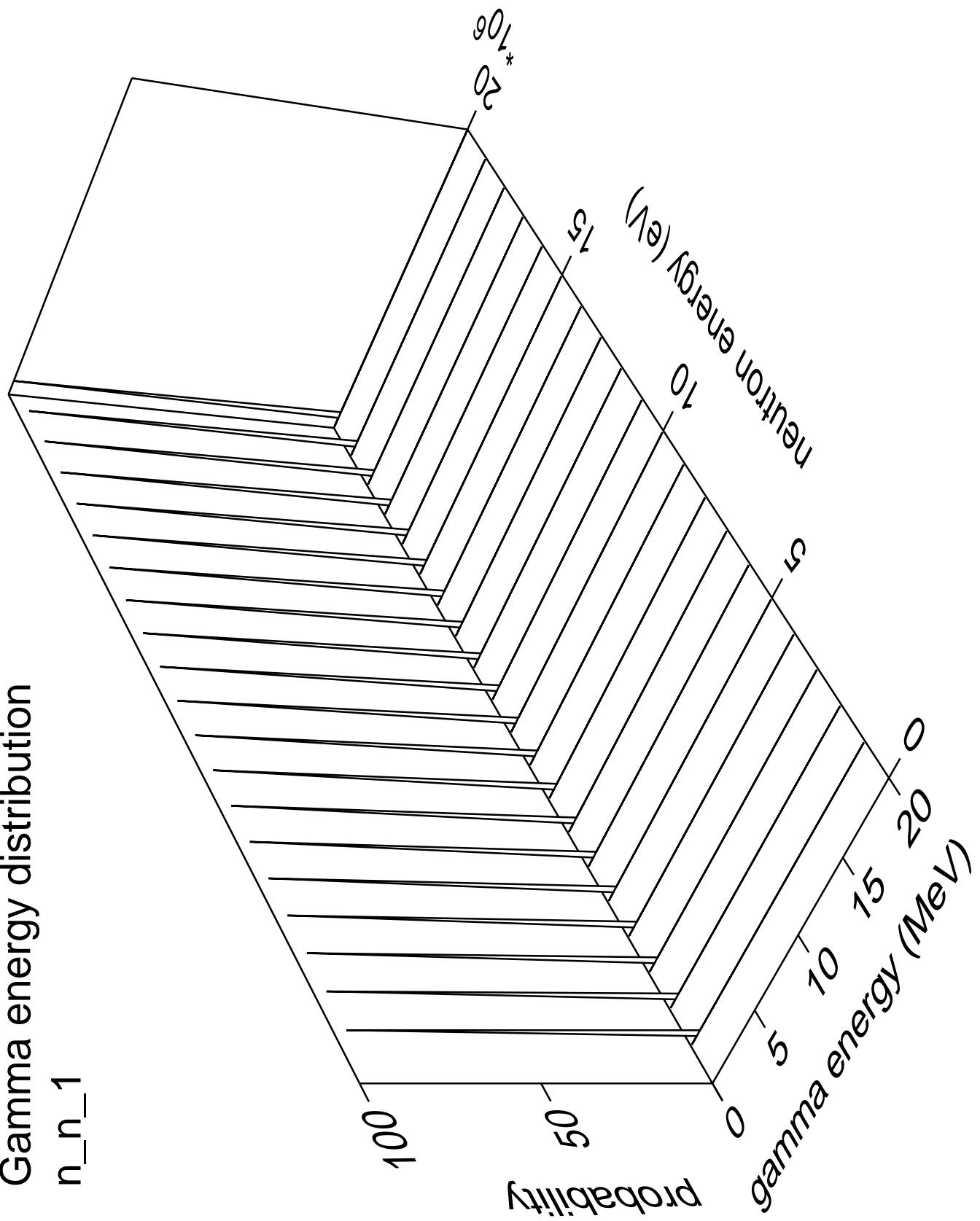


# Gamma multiplicities distribution Capture



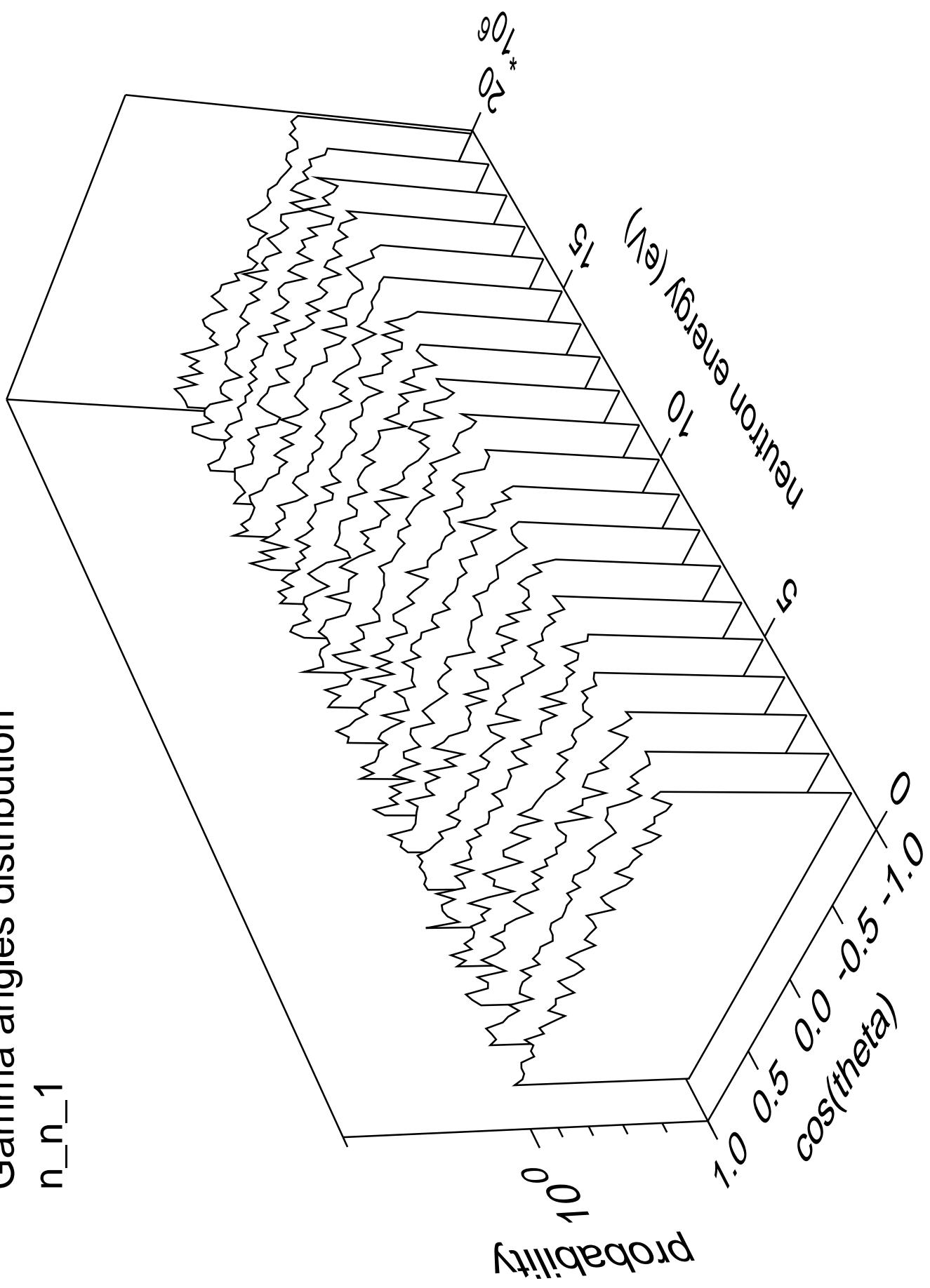
Gamma energy distribution

n\_n\_1

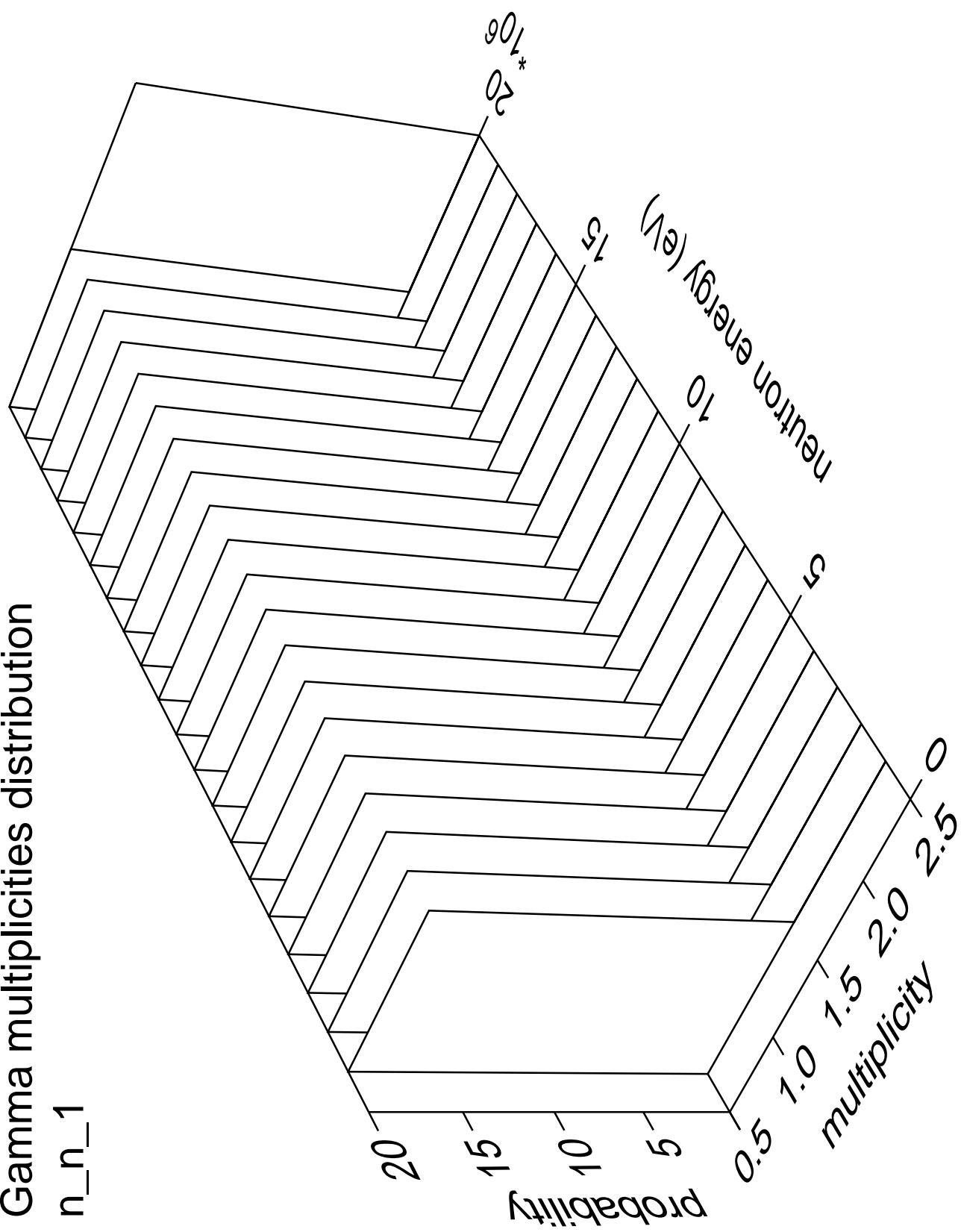


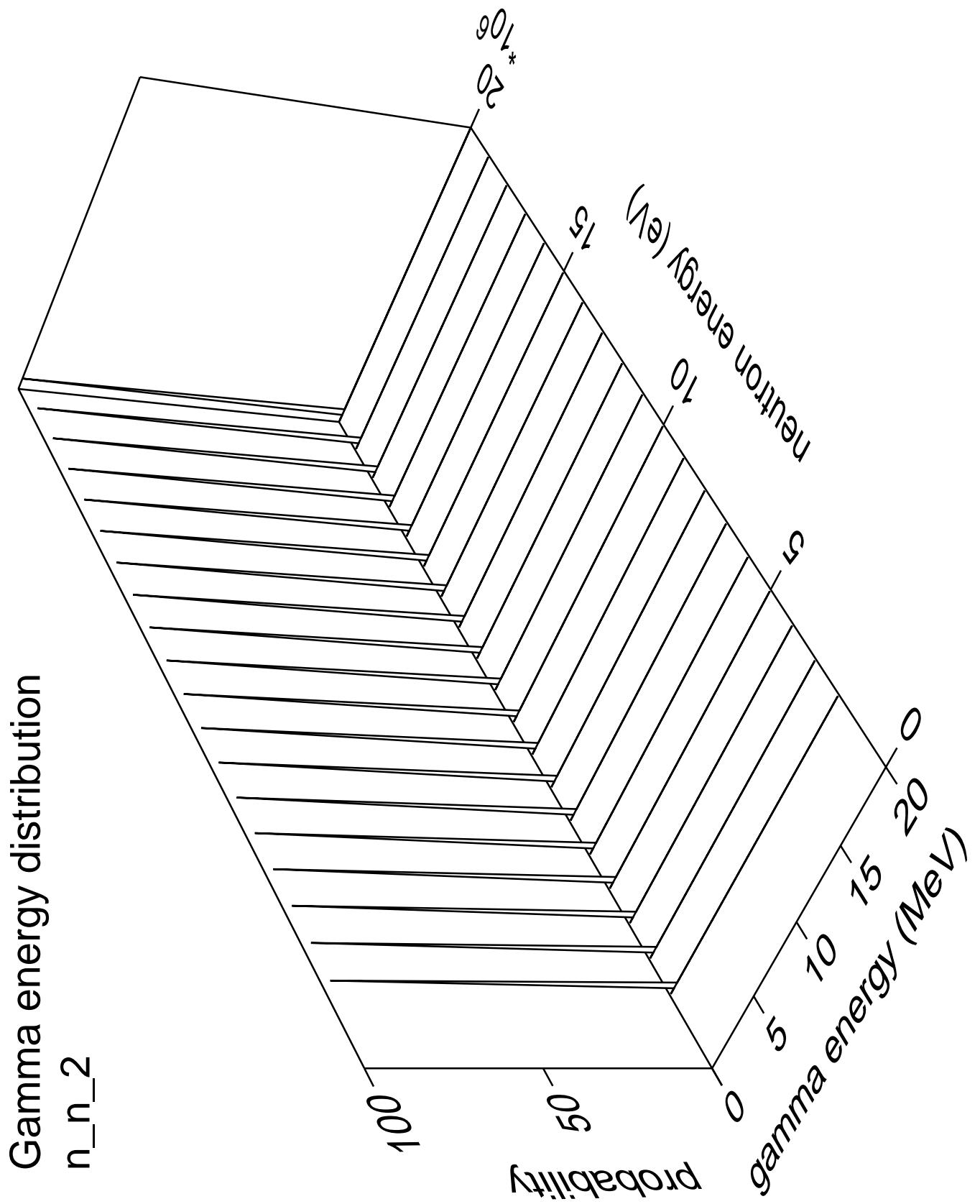
Gamma angles distribution

$n_{n_1}$



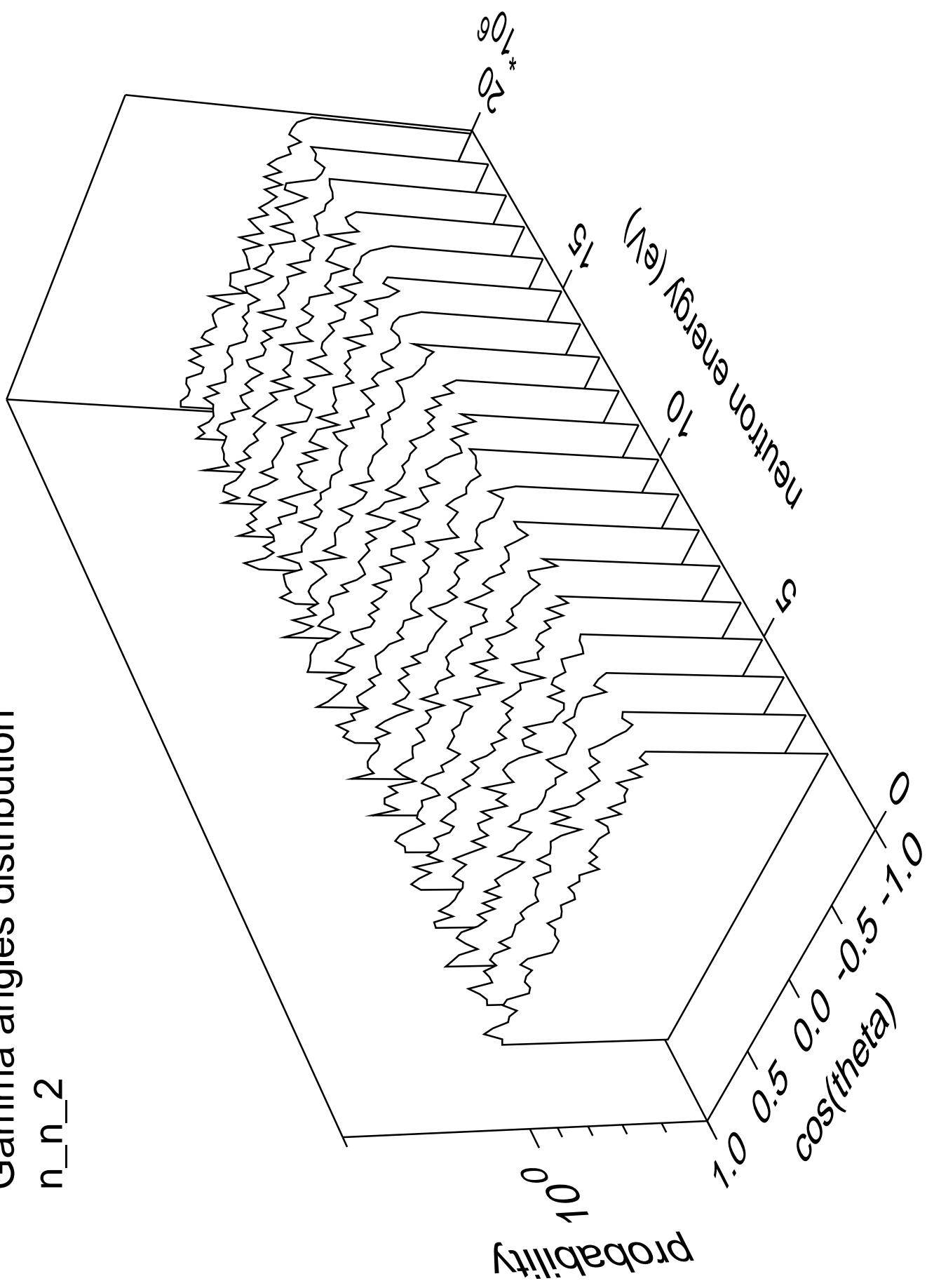
Gamma multiplicities distribution

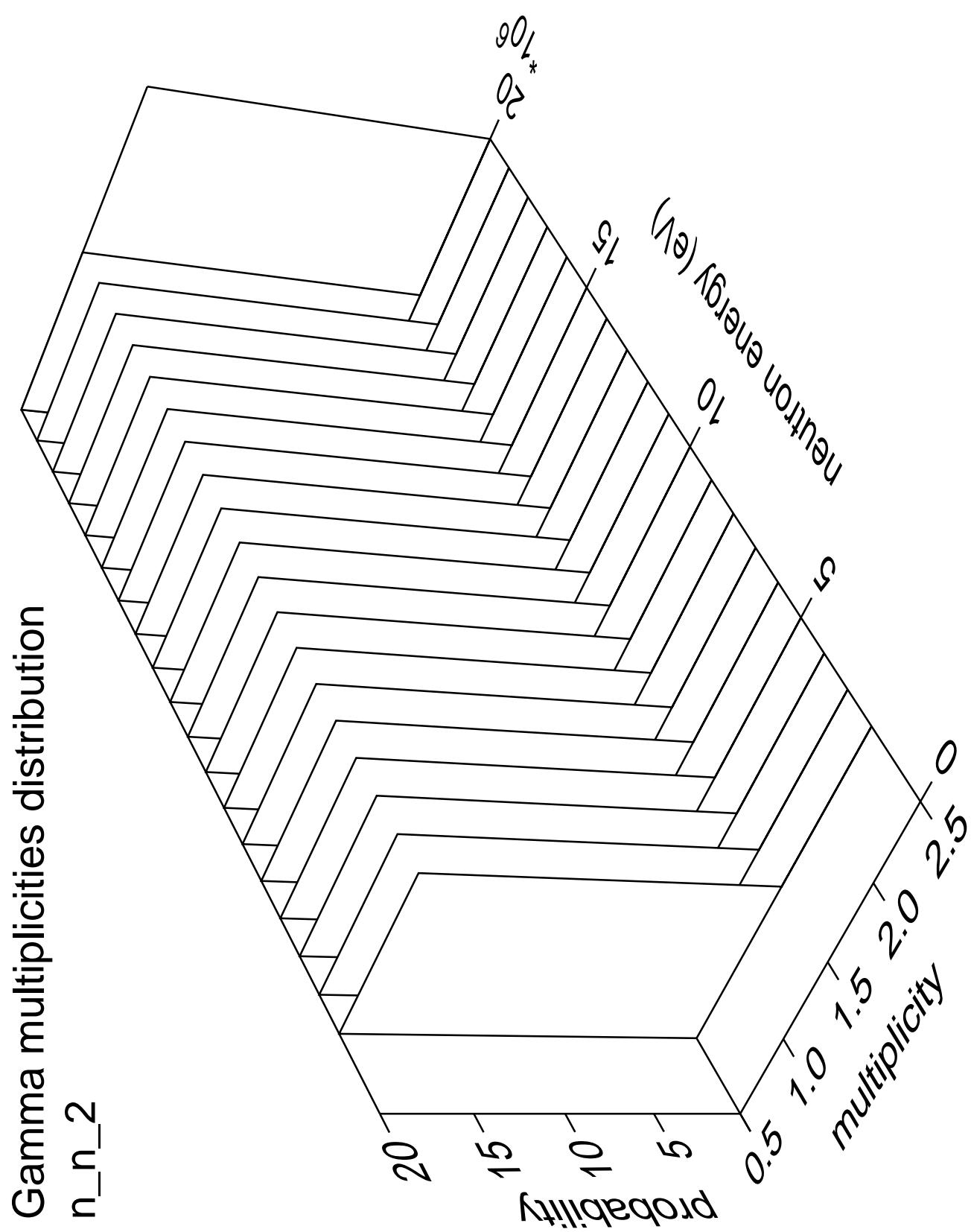




Gamma angles distribution

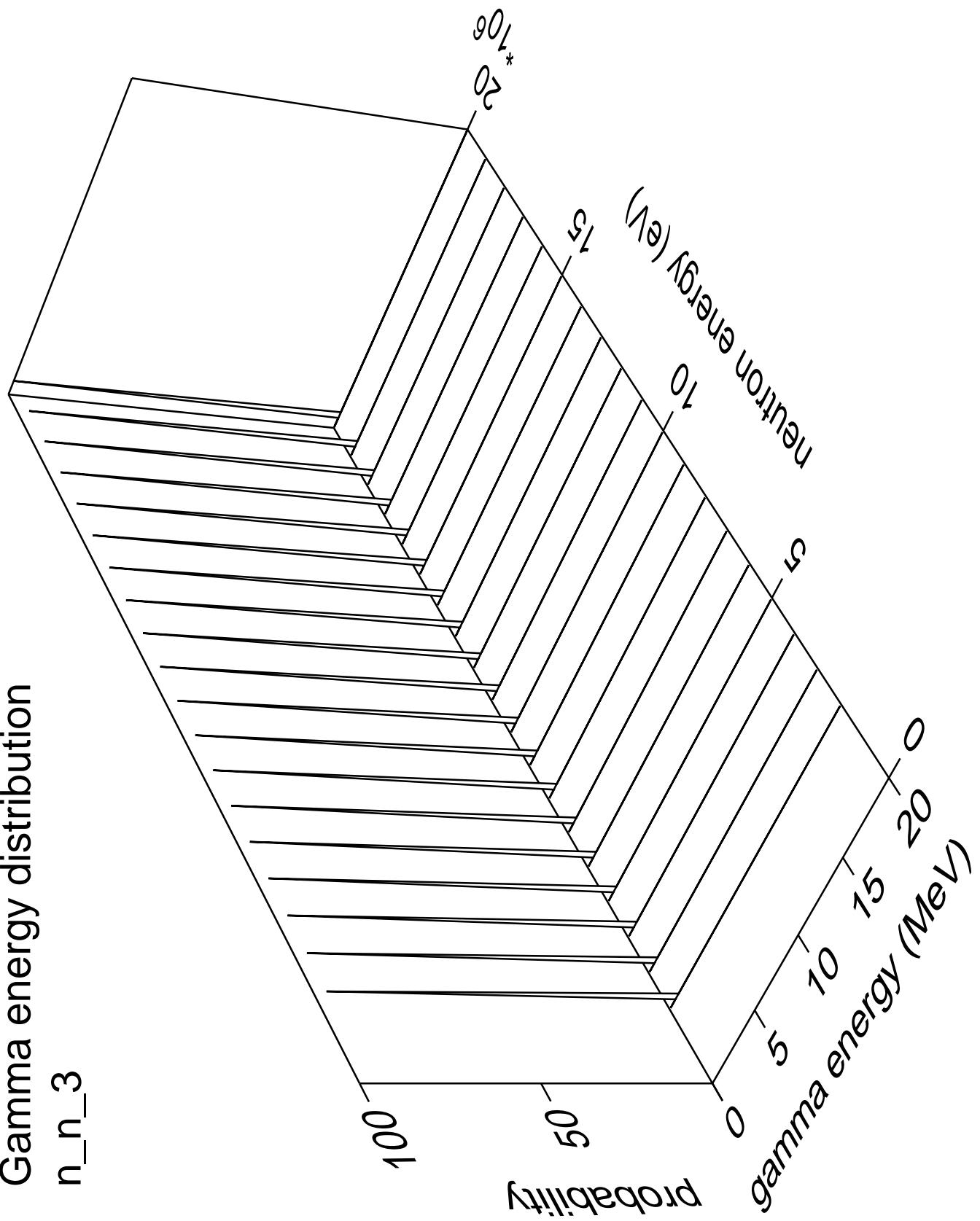
n\_n\_2





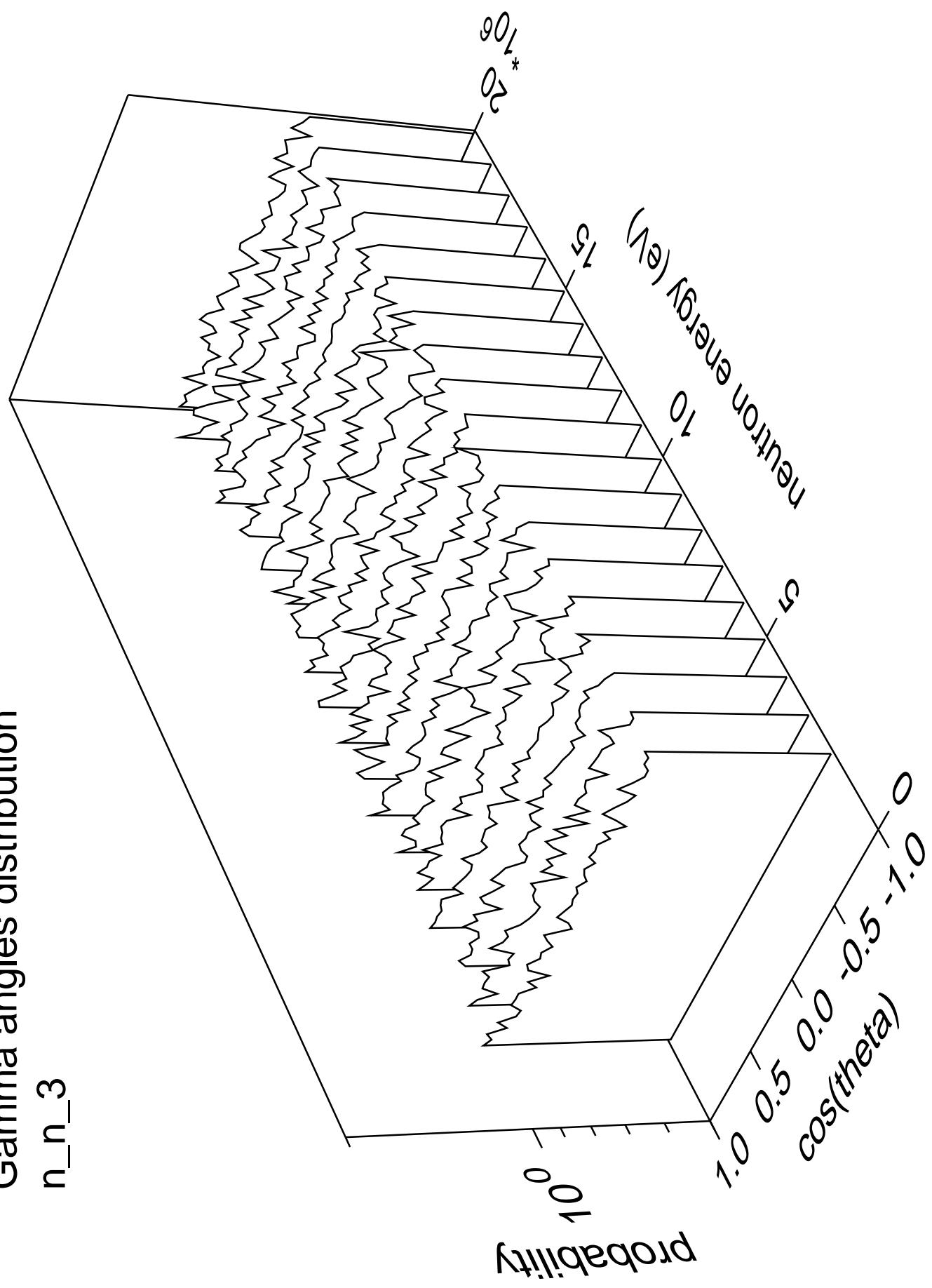
Gamma energy distribution

n\_n\_3

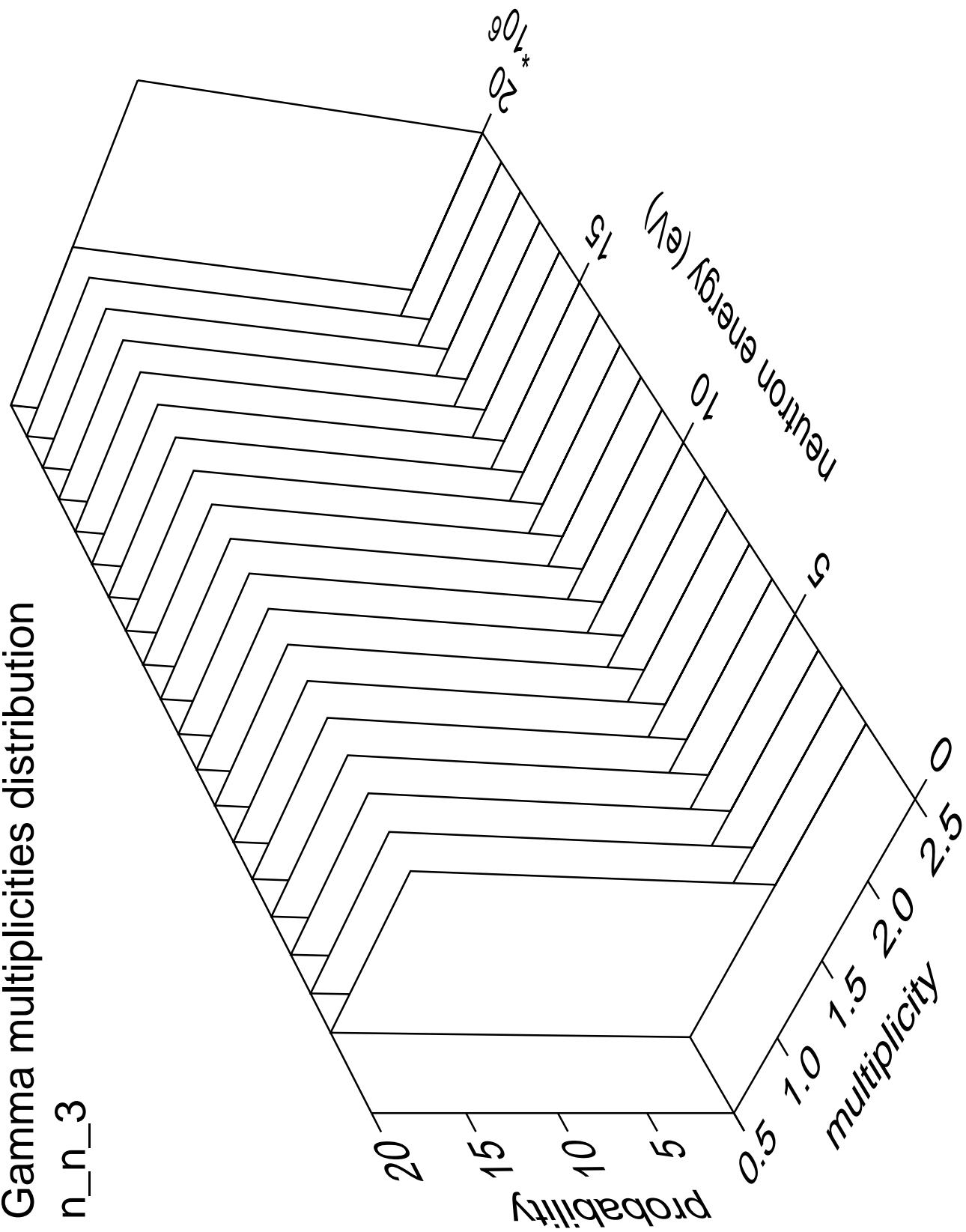


# Gamma angles distribution

$n_n_3$

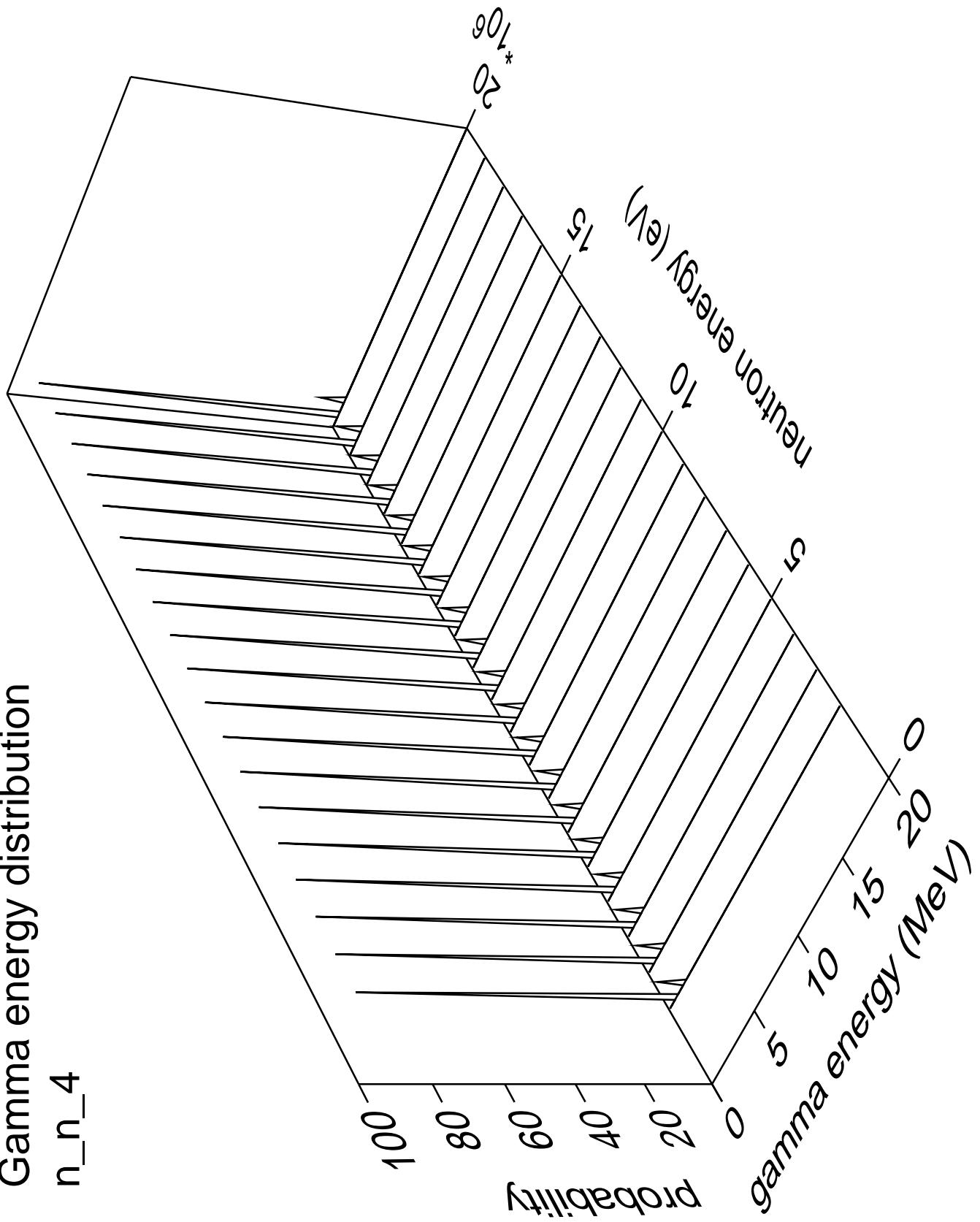


### Gamma multiplicities distribution



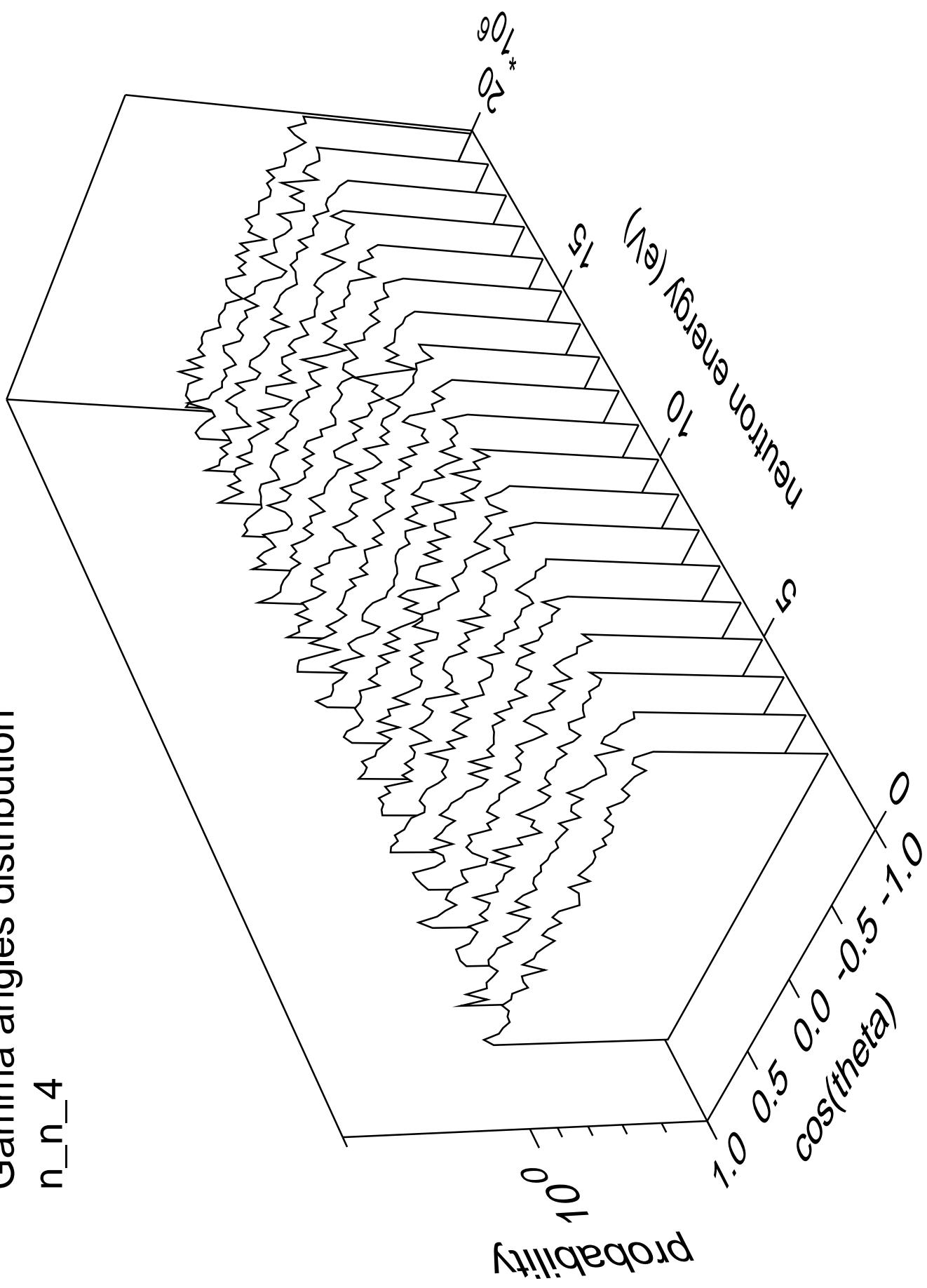
# $n_n_4$

## Gamma energy distribution

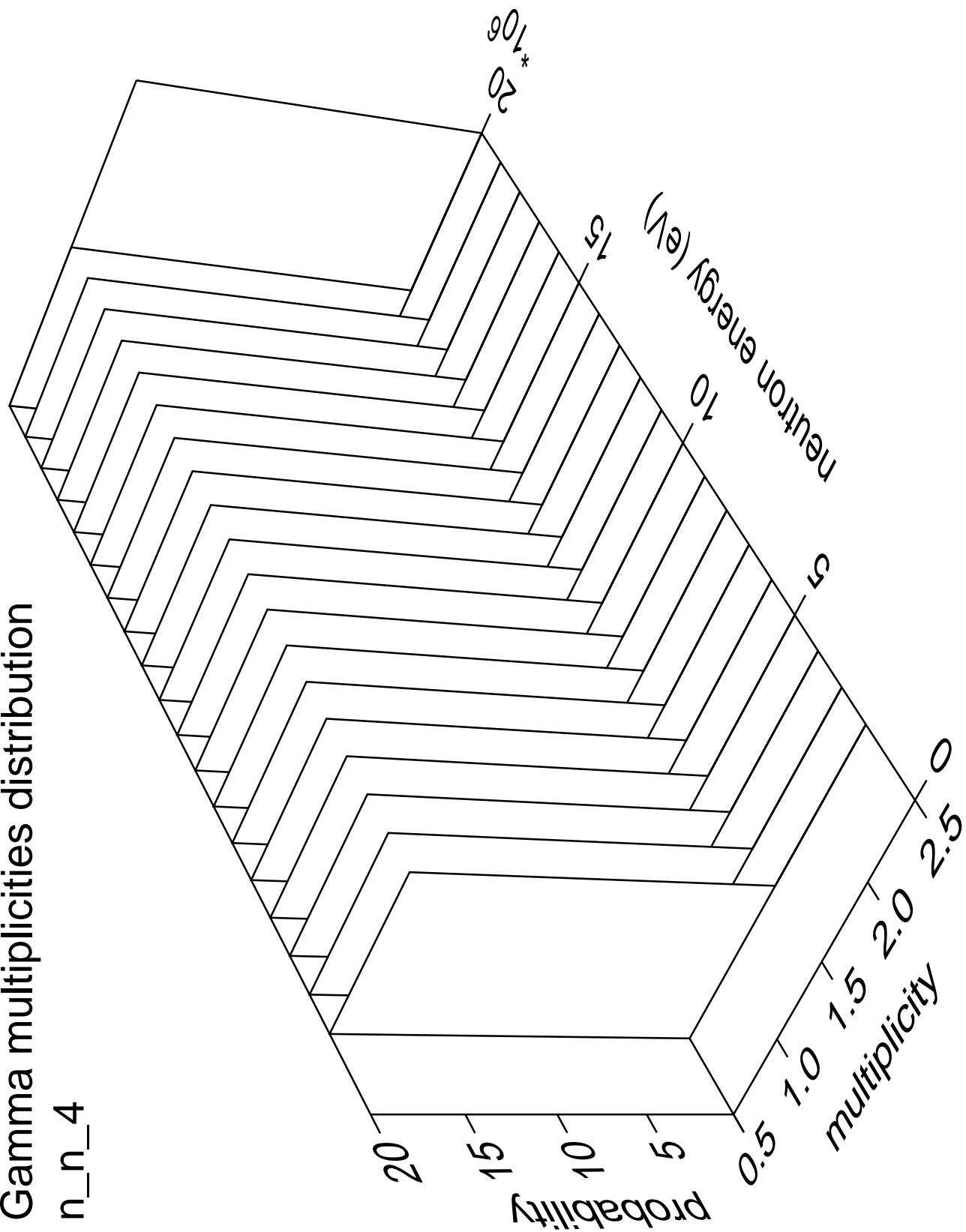


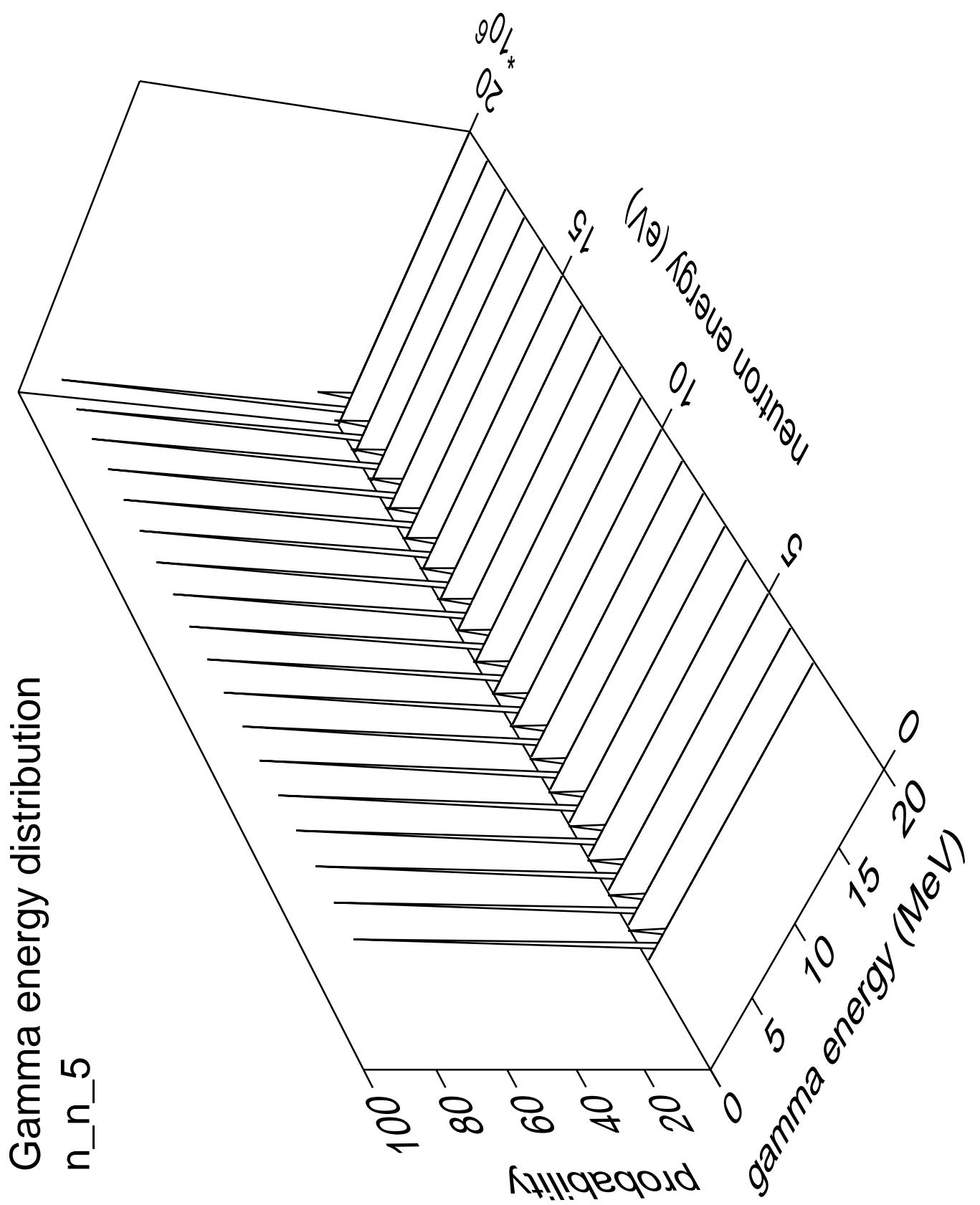
Gamma angles distribution

n\_n\_4



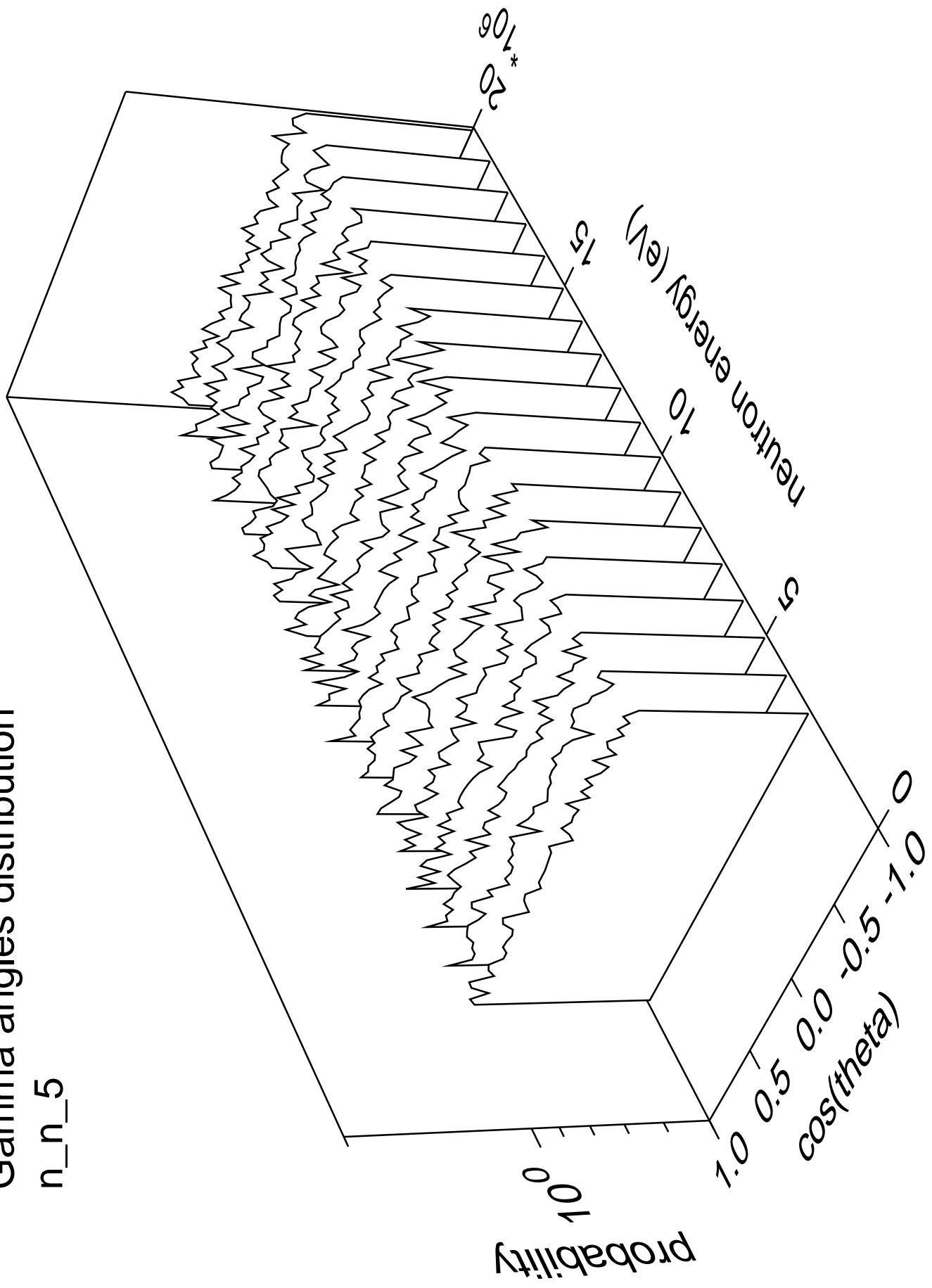
# Gamma multiplicities distribution



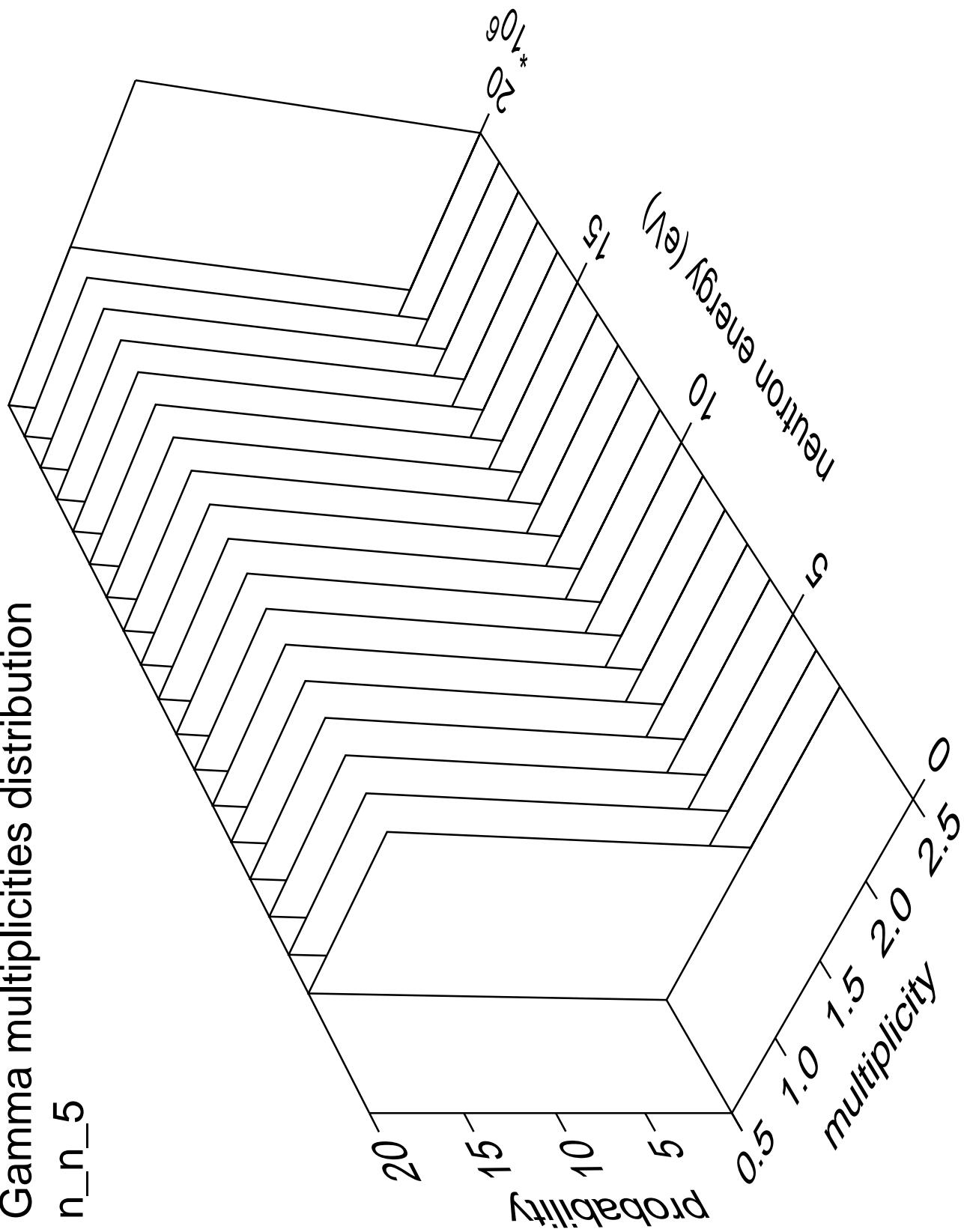


Gamma angles distribution

n\_n\_5

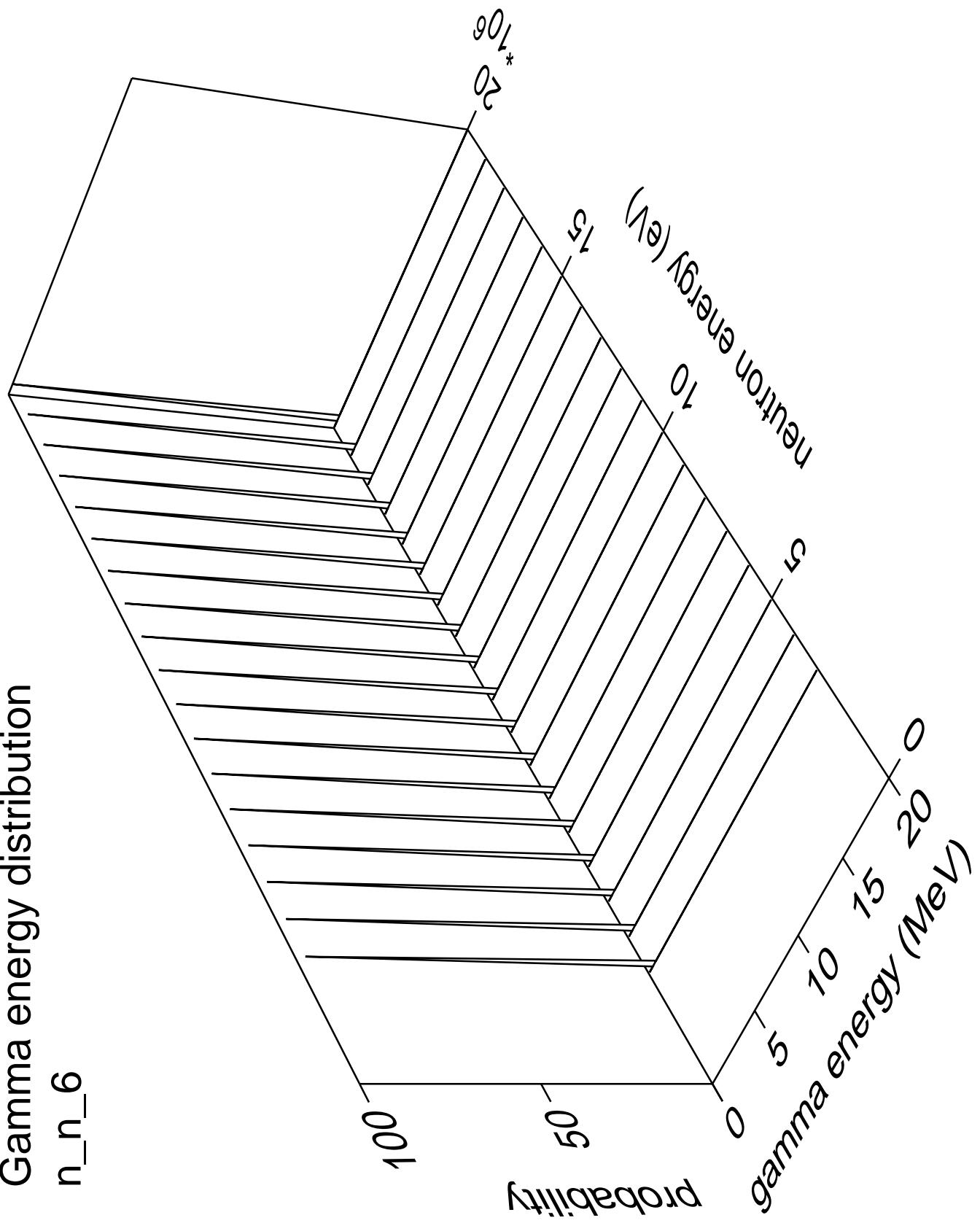


# Gamma multiplicities distribution



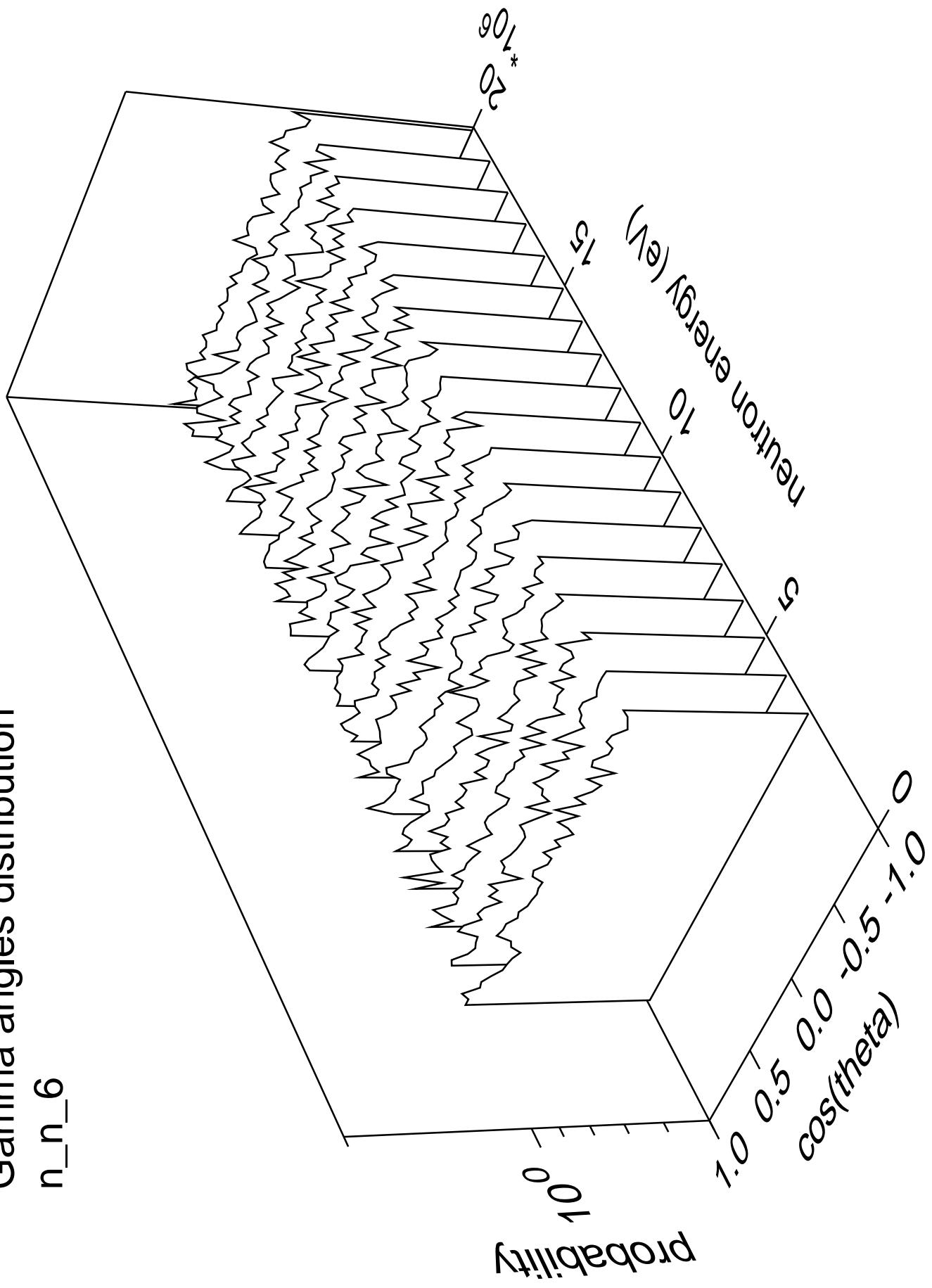
Gamma energy distribution

n\_n\_6

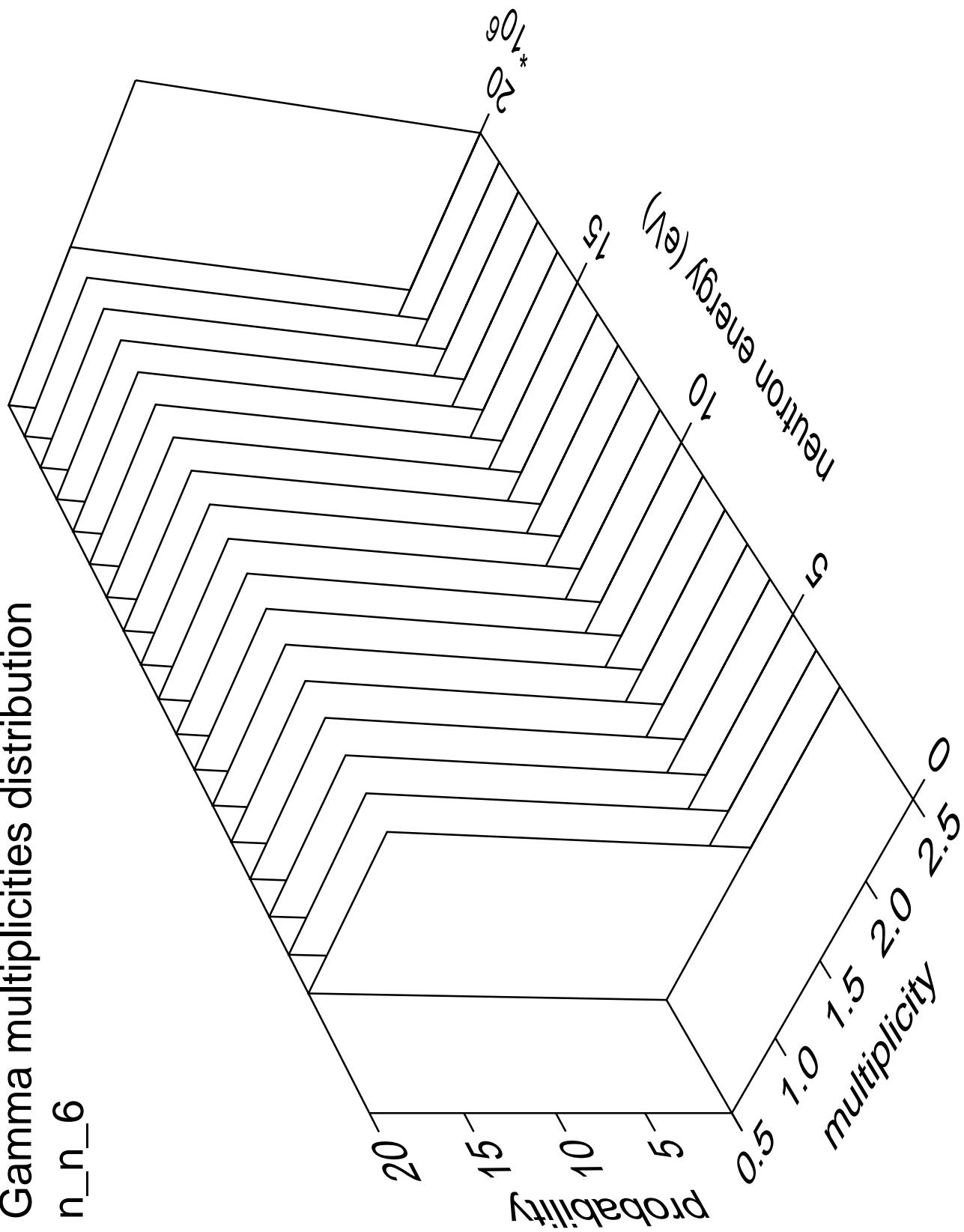


Gamma angles distribution

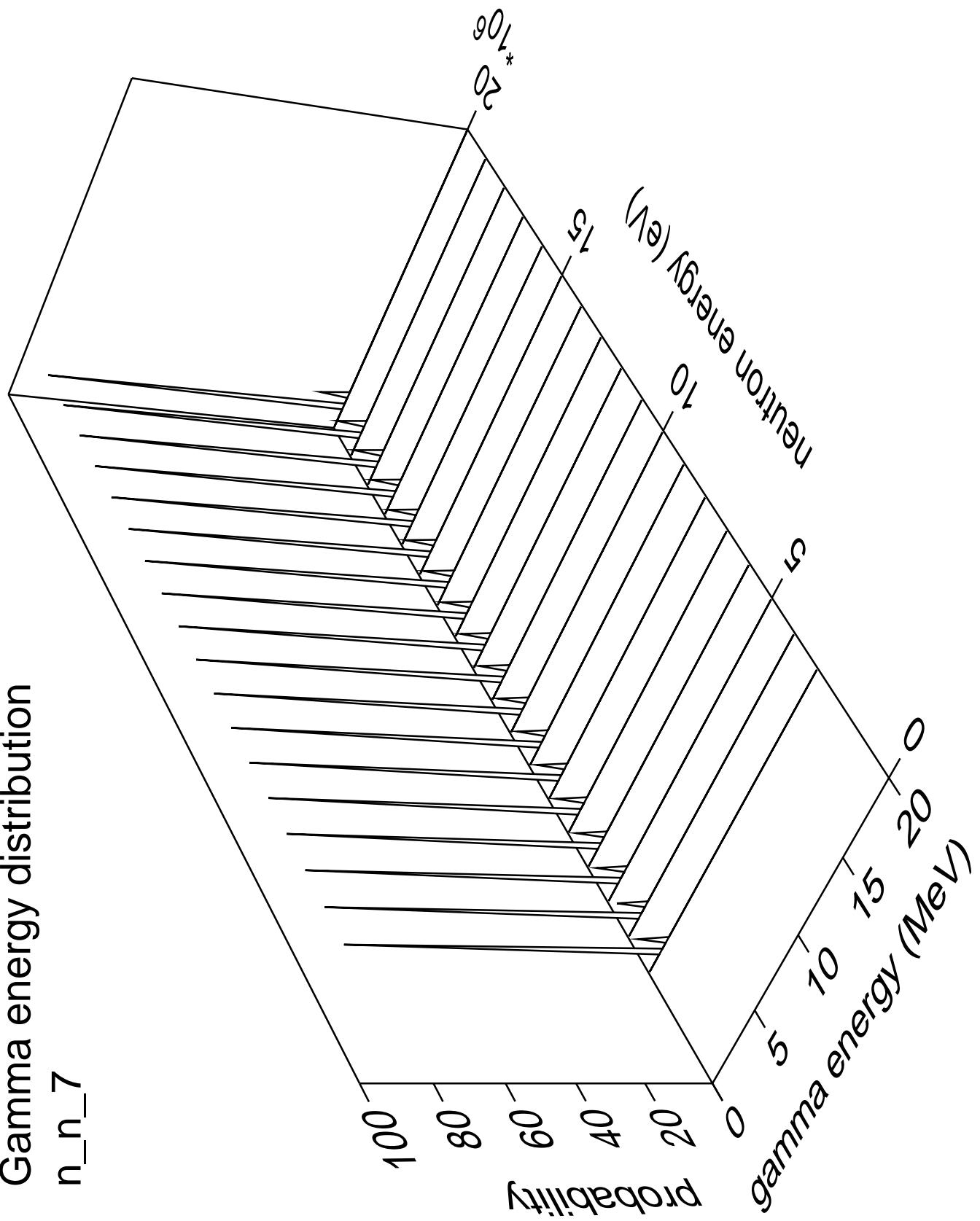
n\_n\_6



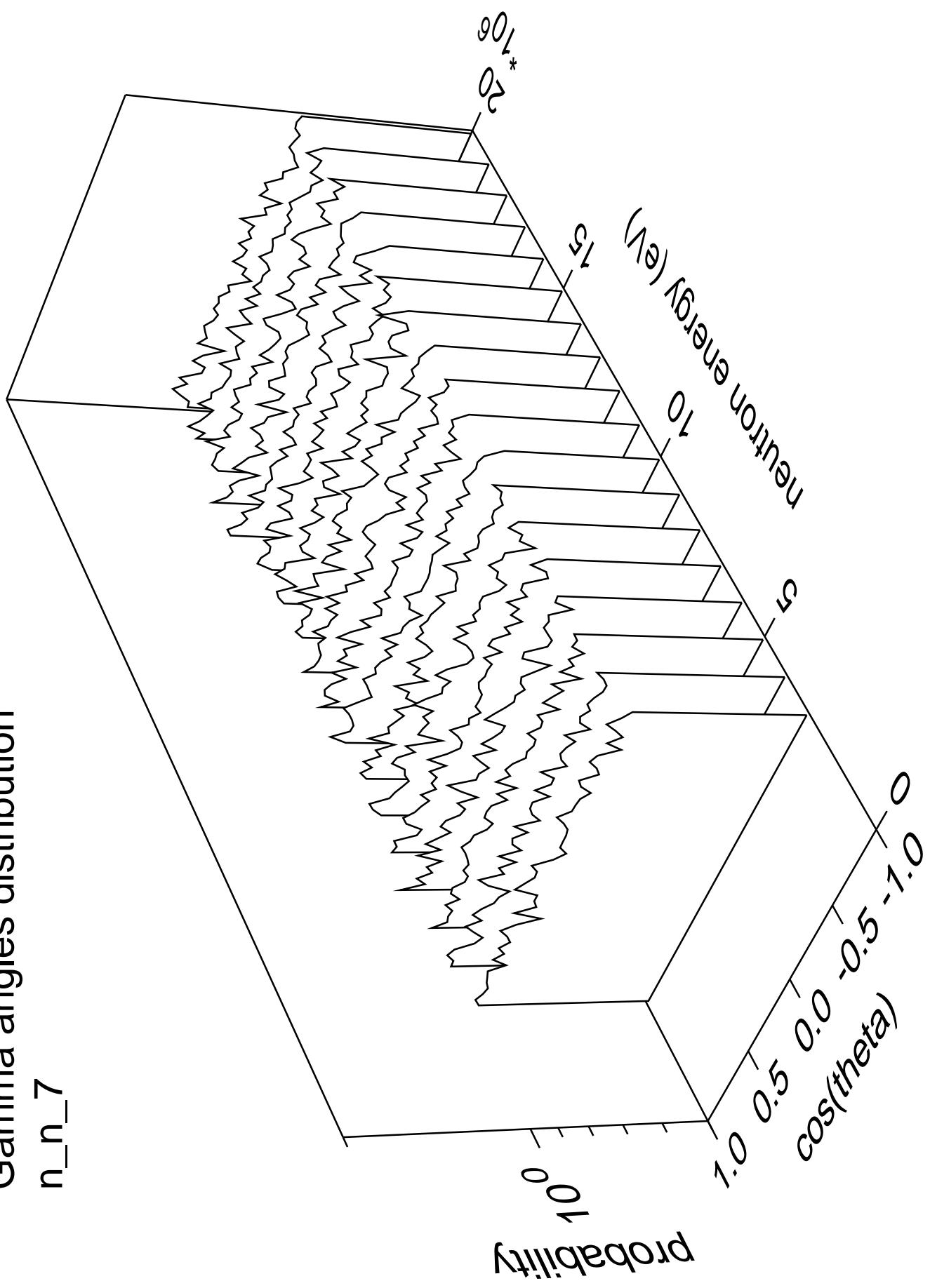
# Gamma multiplicities distribution



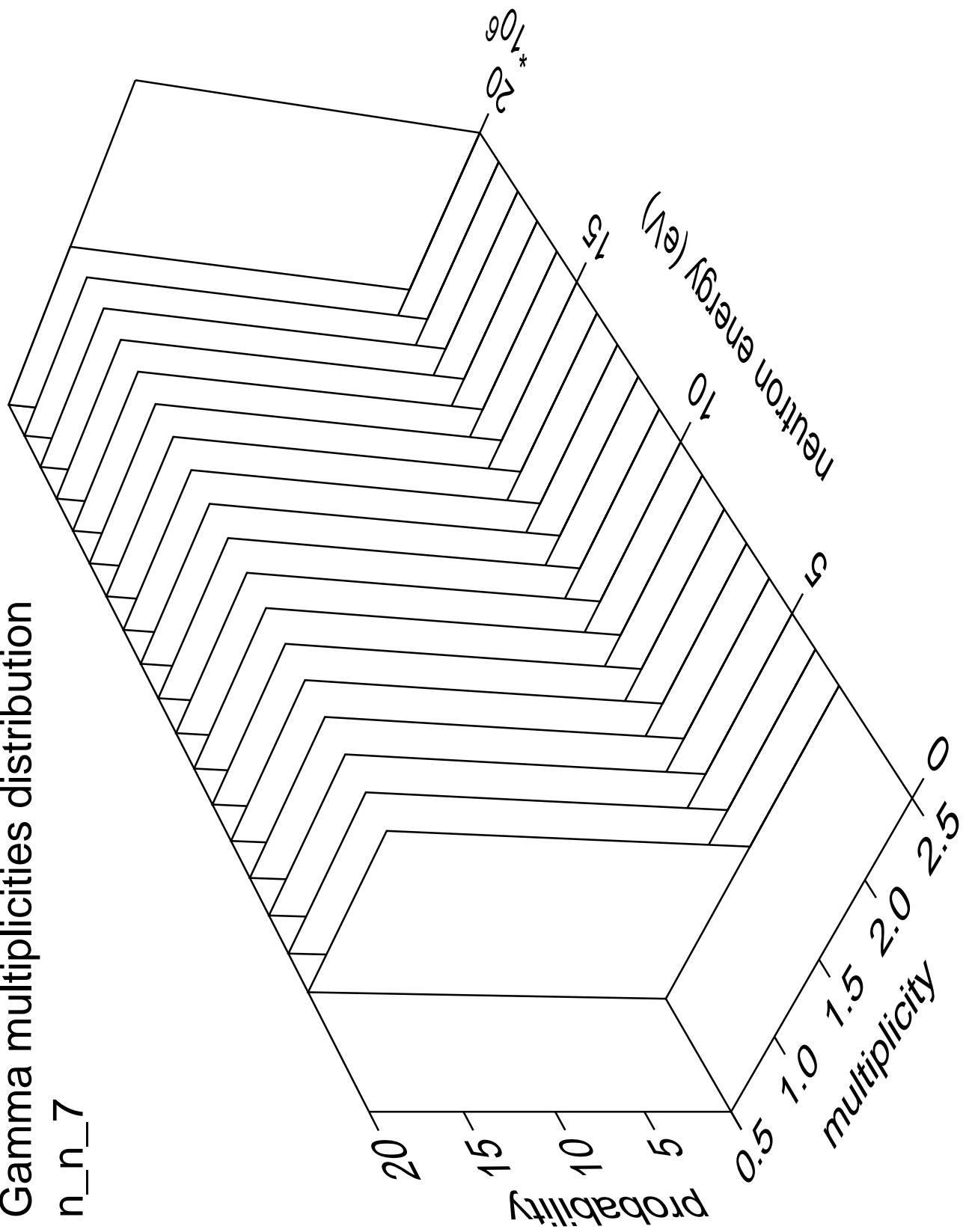
# Gamma energy distribution

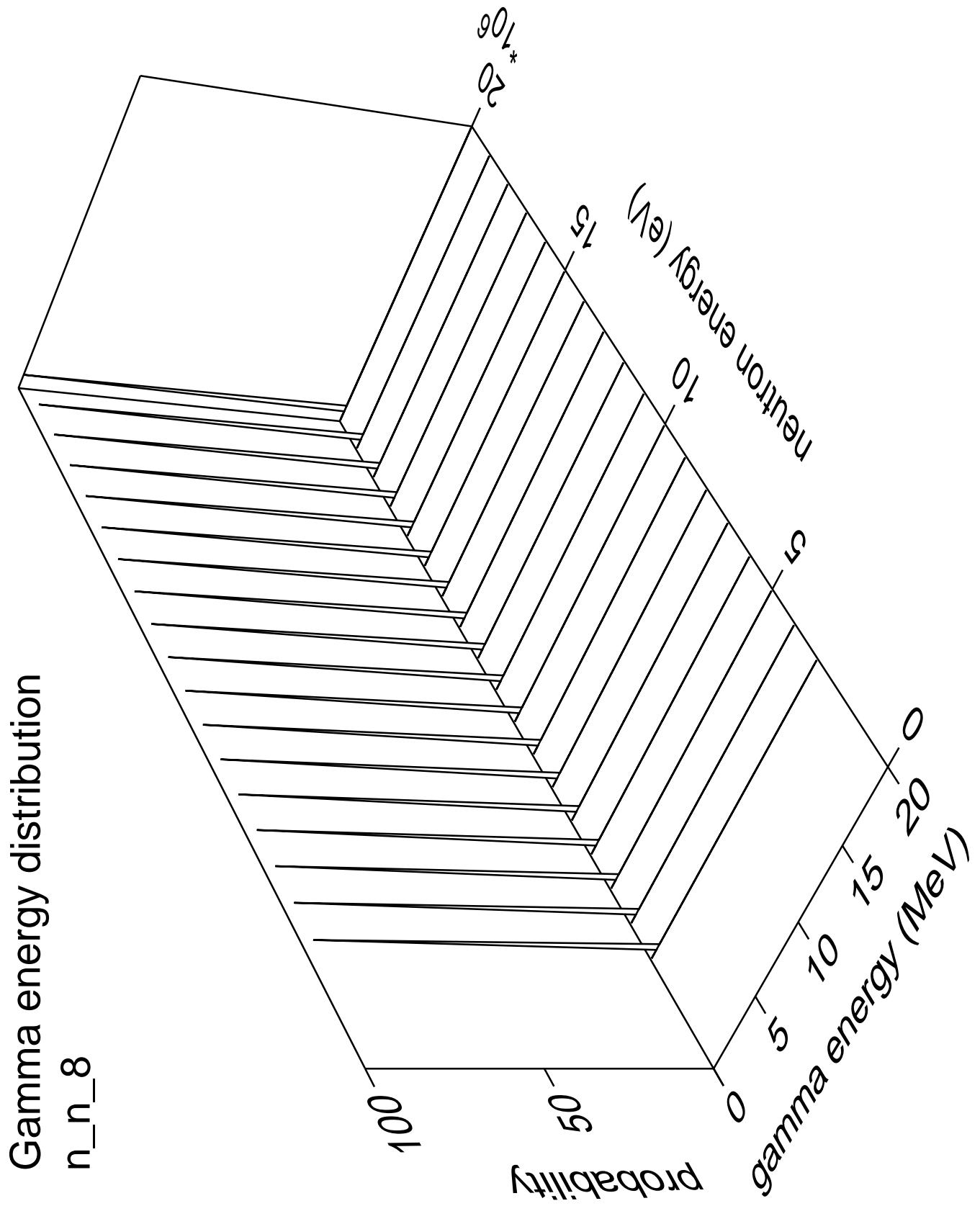


# Gamma angles distribution



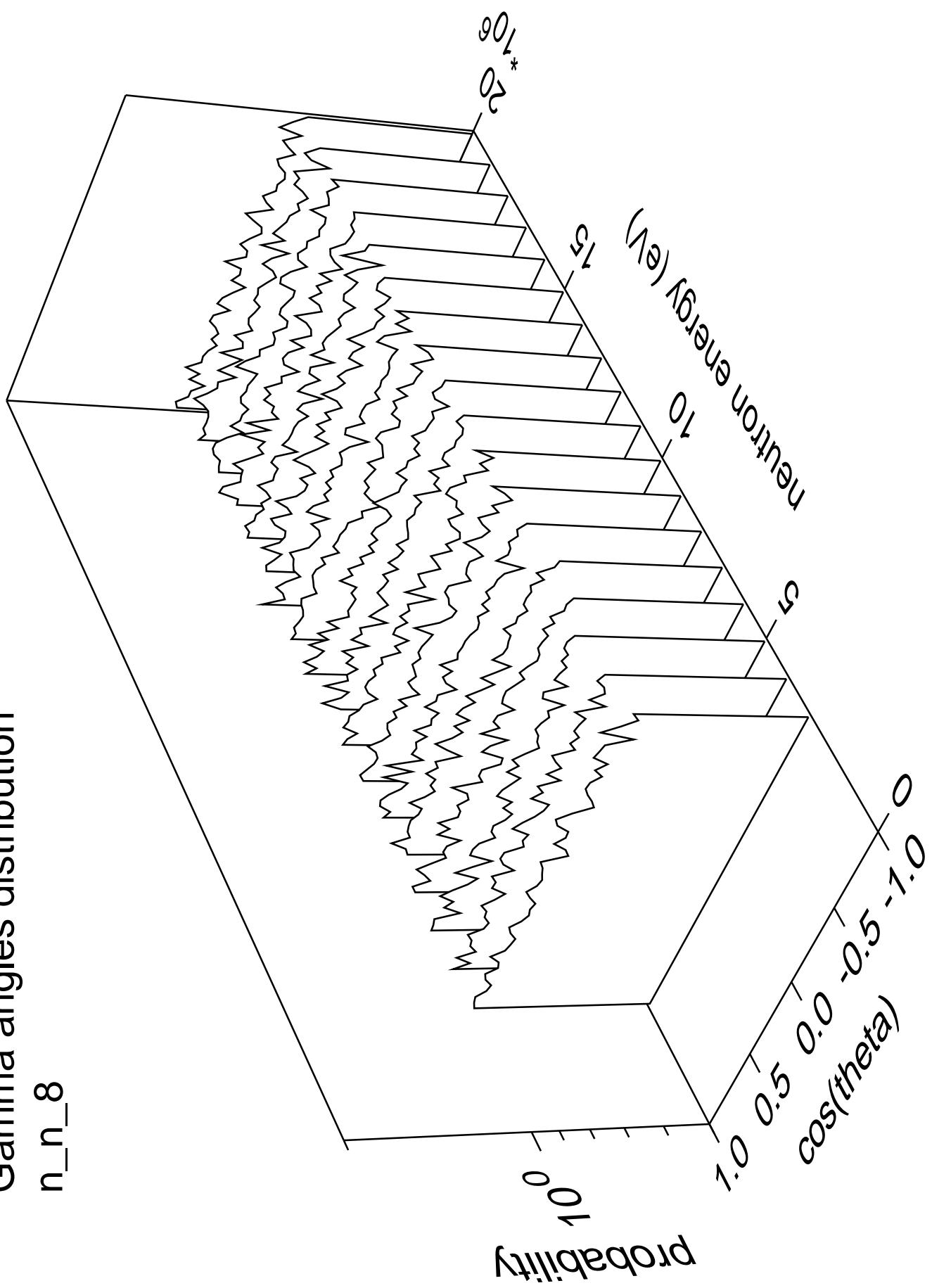
## Gamma multiplicities distribution

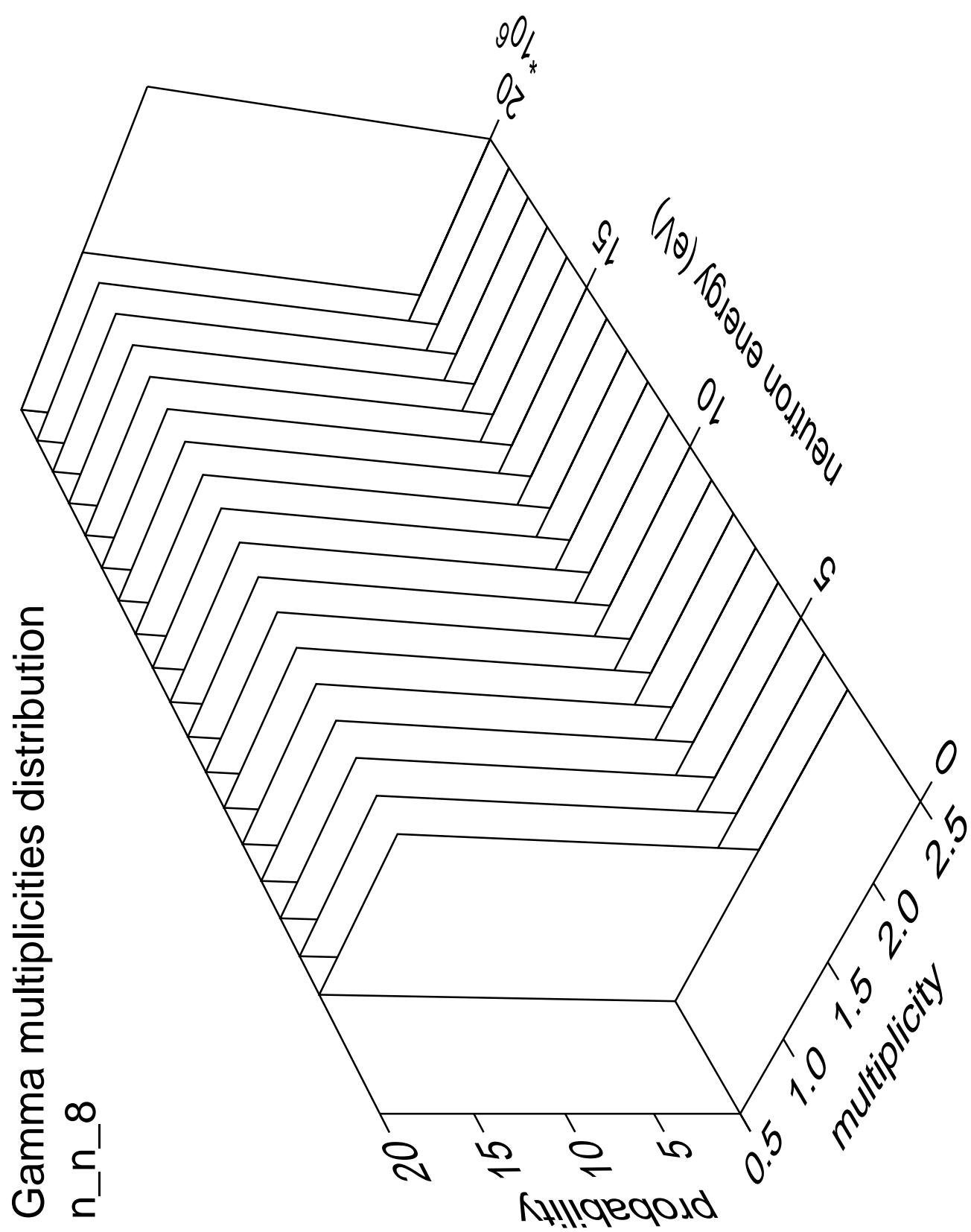




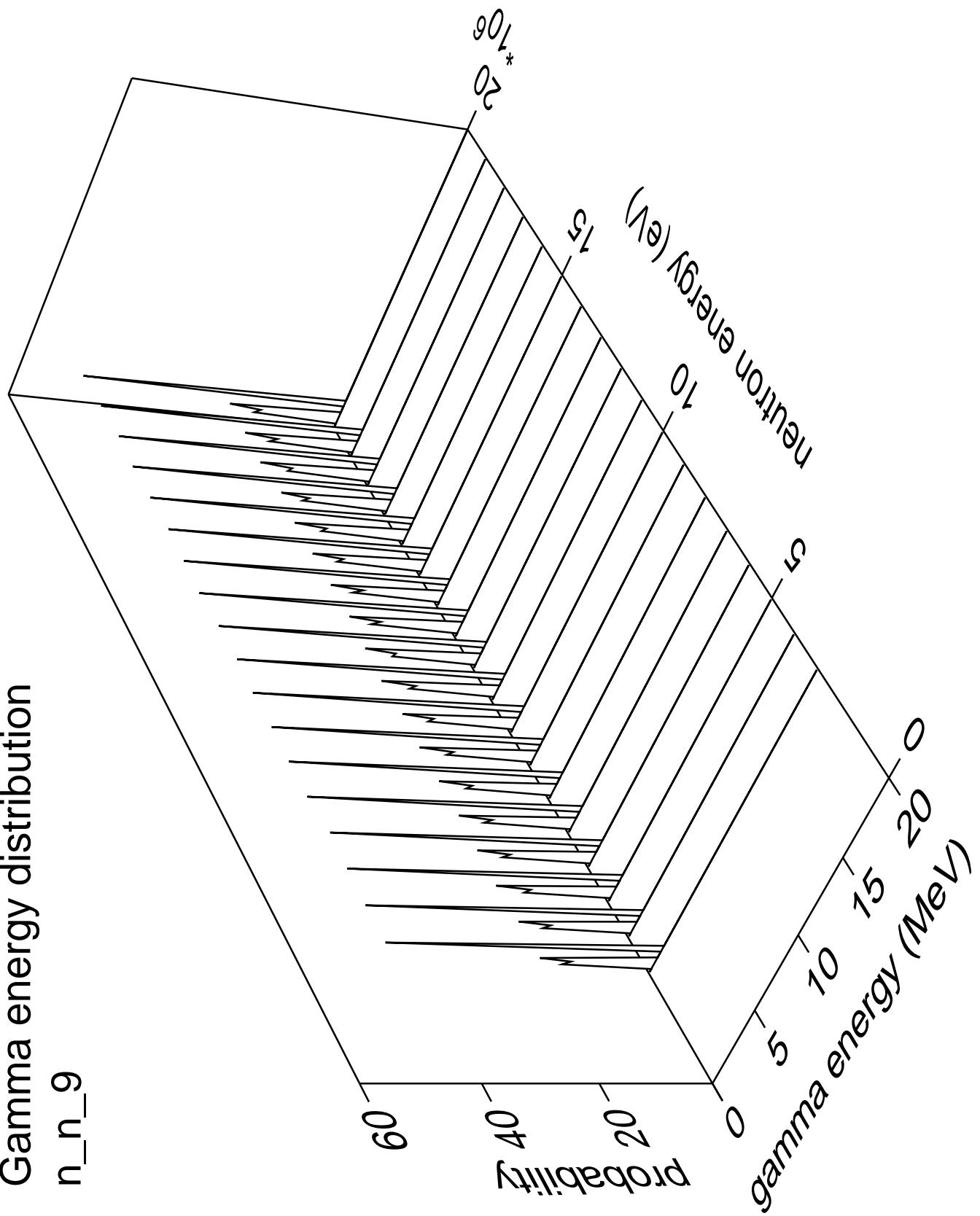
Gamma angles distribution

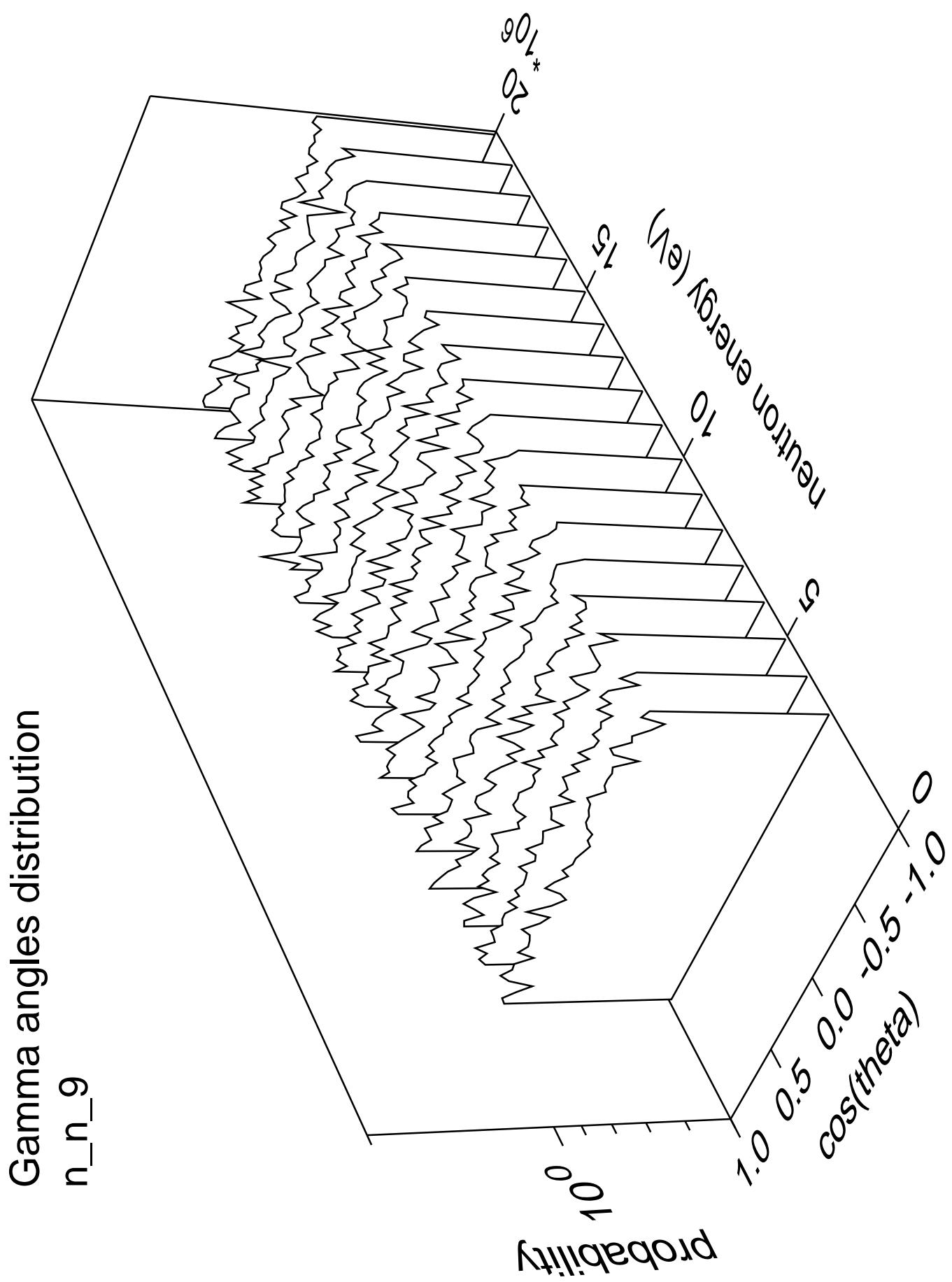
$n_n_8$

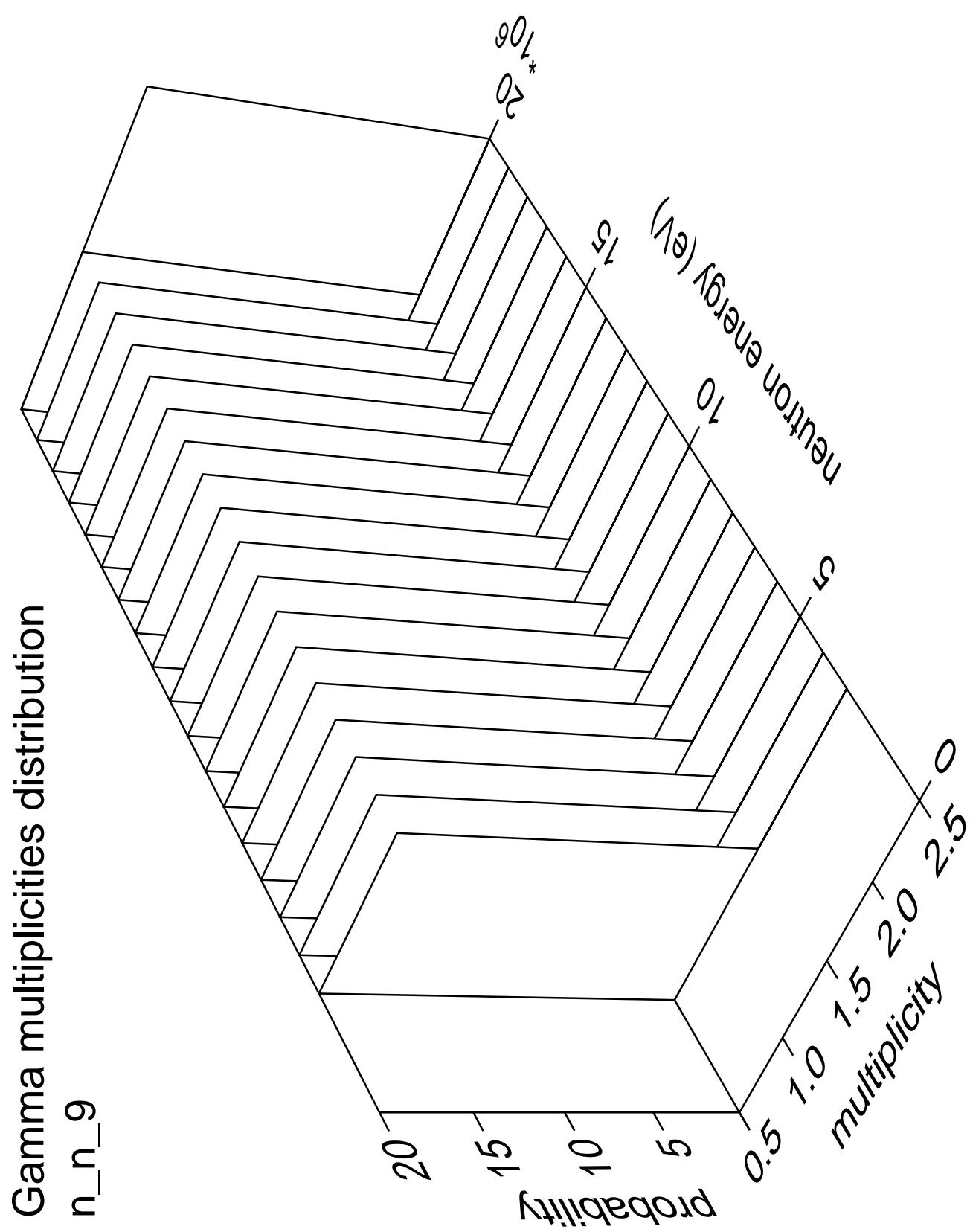


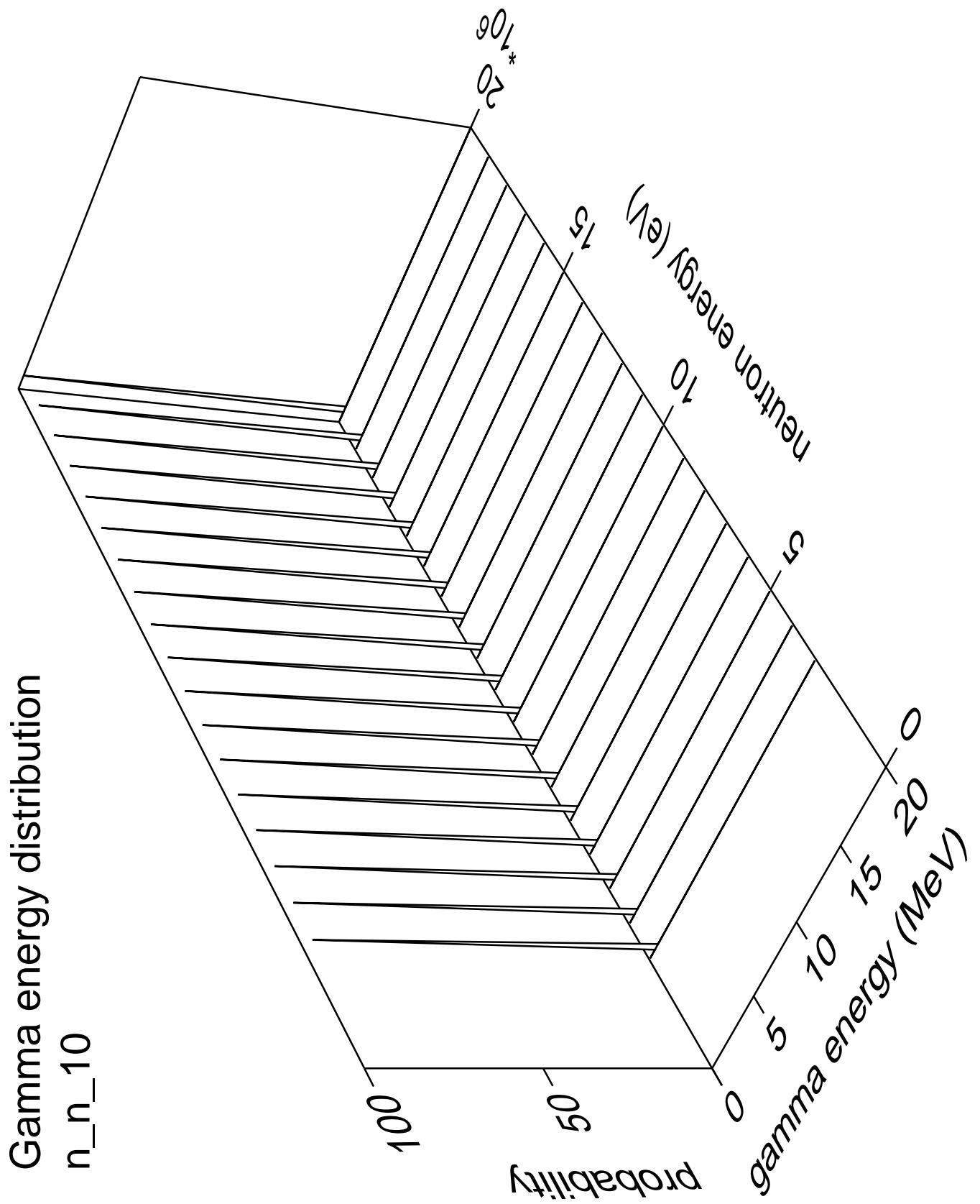


# Gamma energy distribution



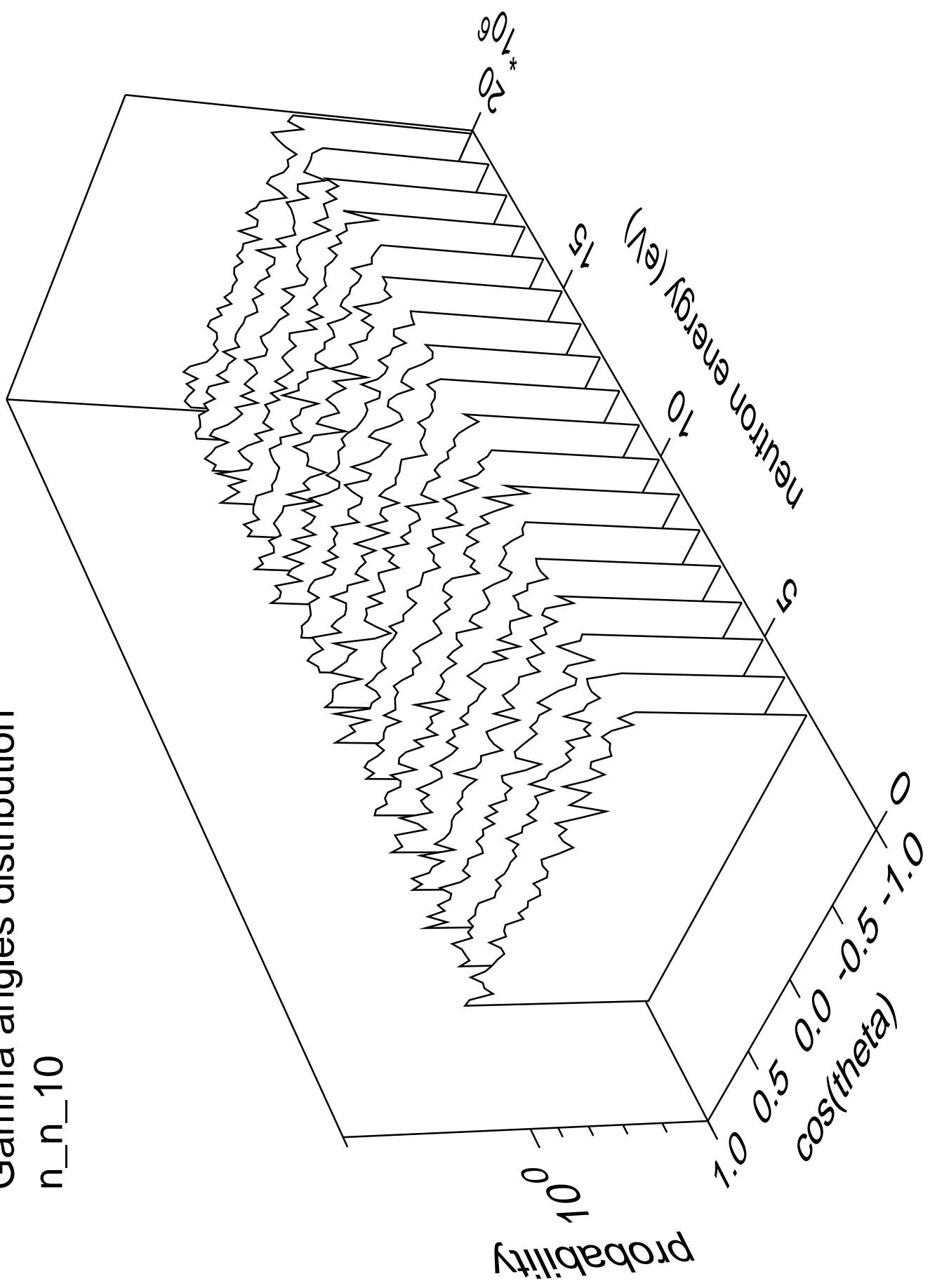


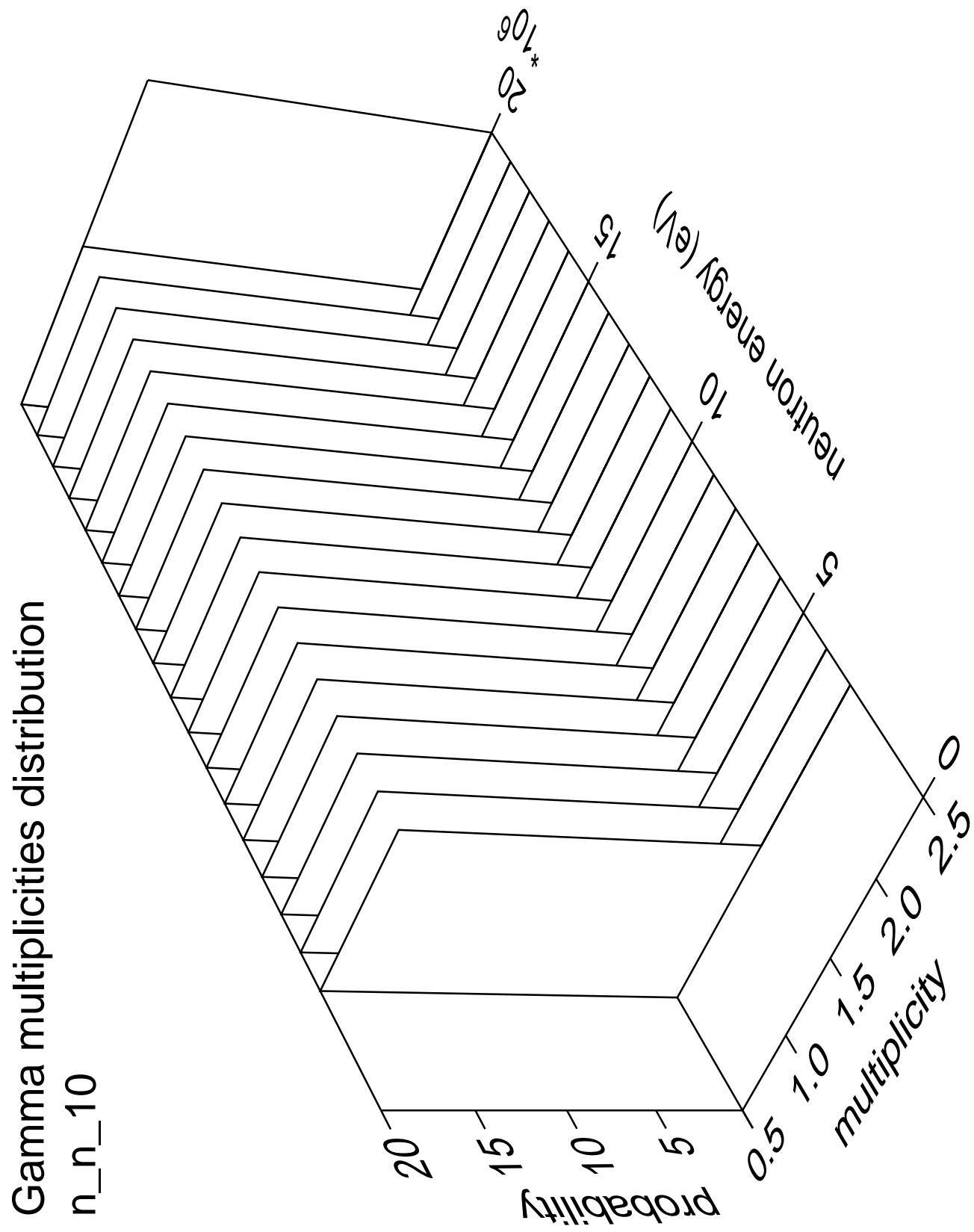


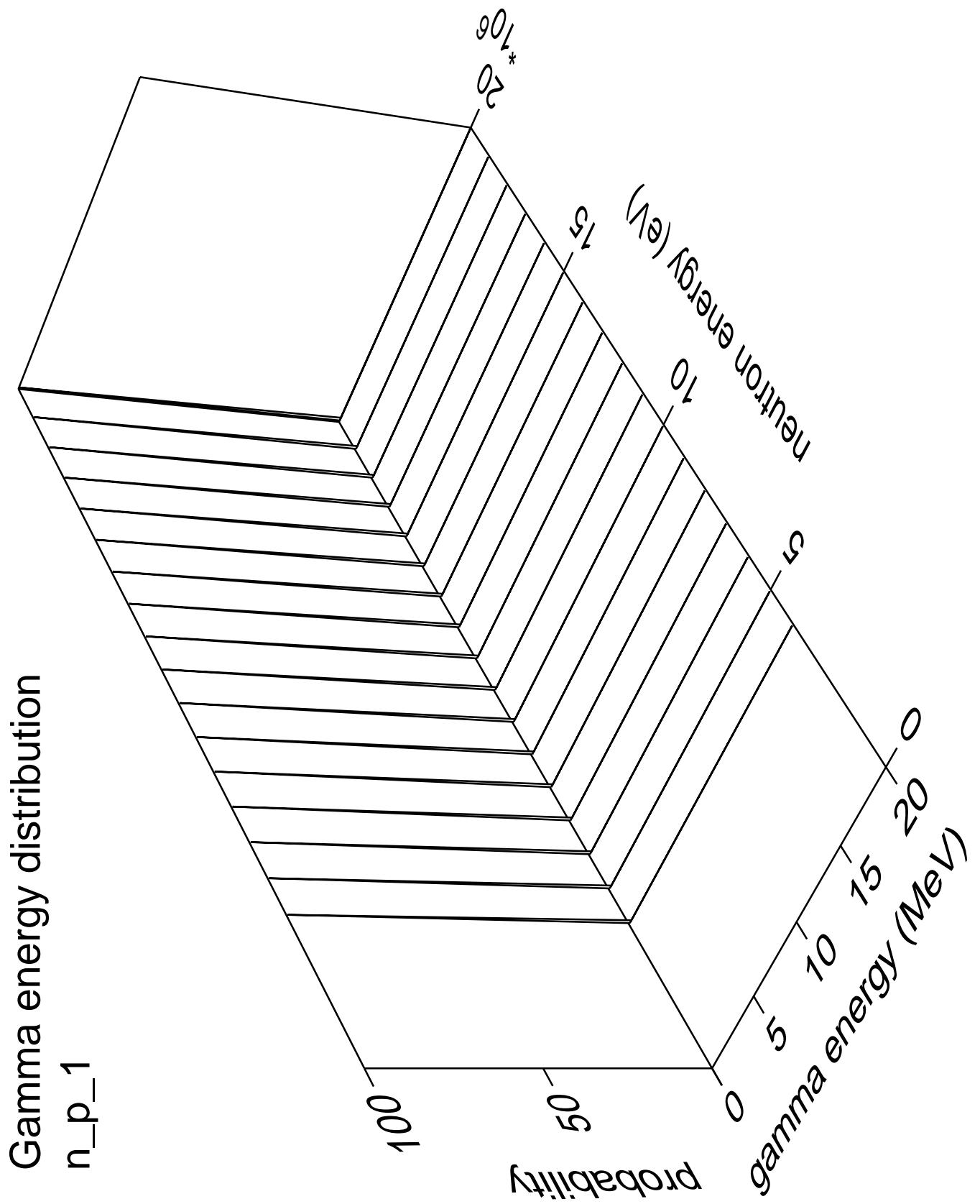


Gamma angles distribution

n\_n\_10







Gamma angles distribution

$n_{p\_1}$

Probability

$10^0$

$10^{-1}$

$10^{-2}$

$10^{-3}$

$10^{-4}$

$10^{-5}$

$10^{-6}$

$10^{-7}$

$10^{-8}$

$10^{-9}$

$10^{-10}$

$10^{-11}$

$10^{-12}$

$10^{-13}$

$10^{-14}$

$10^{-15}$

$10^{-16}$

$10^{-17}$

$10^{-18}$

$10^{-19}$

$10^{-20}$

$10^{-21}$

$10^{-22}$

$10^{-23}$

$10^{-24}$

$10^{-25}$

$10^{-26}$

$10^{-27}$

$10^{-28}$

$10^{-29}$

$10^{-30}$

$10^{-31}$

$10^{-32}$

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$10^{-256}$

$10^{-257}$

$10^{-258}$

$10^{-259}$

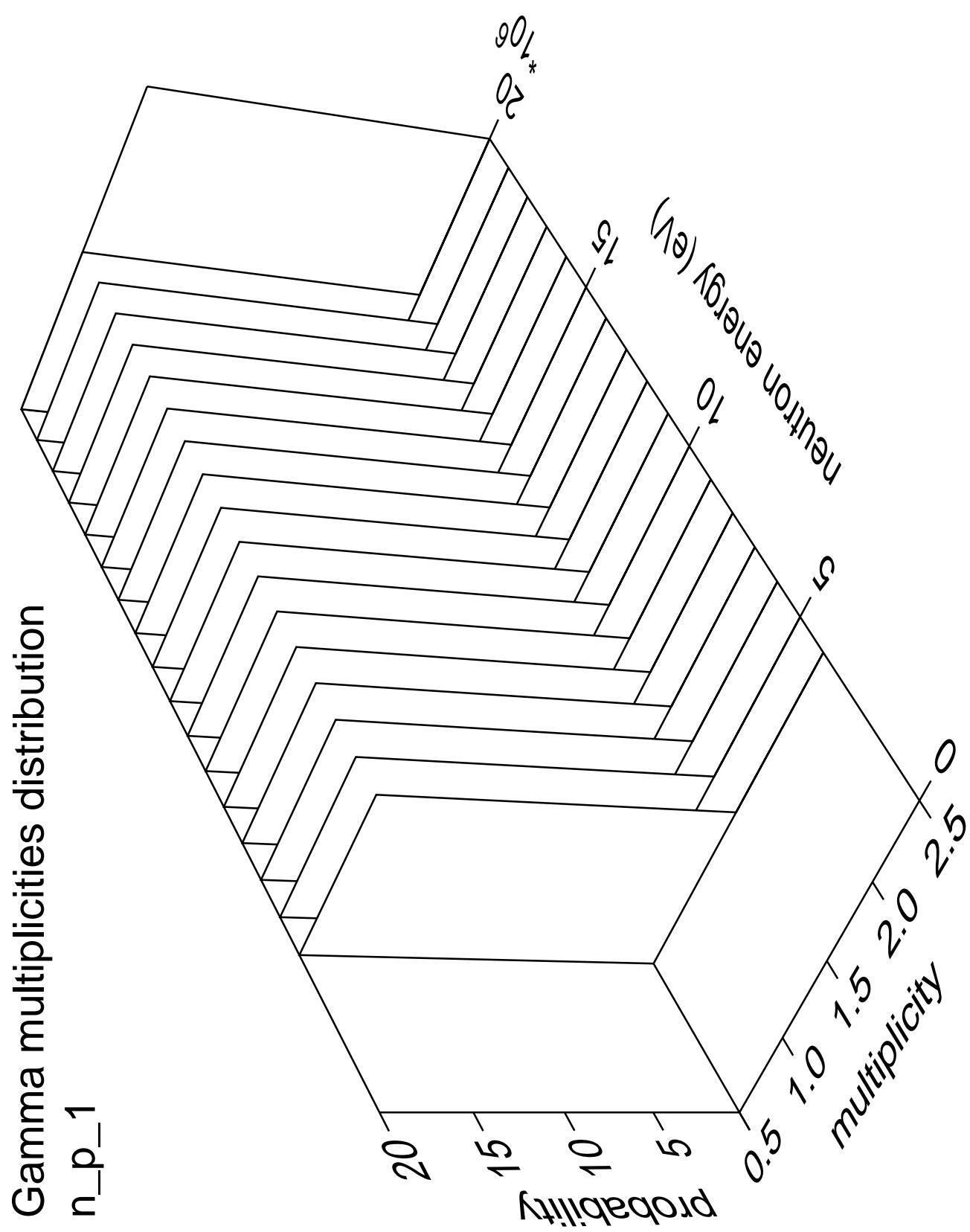
$10^{-260}$

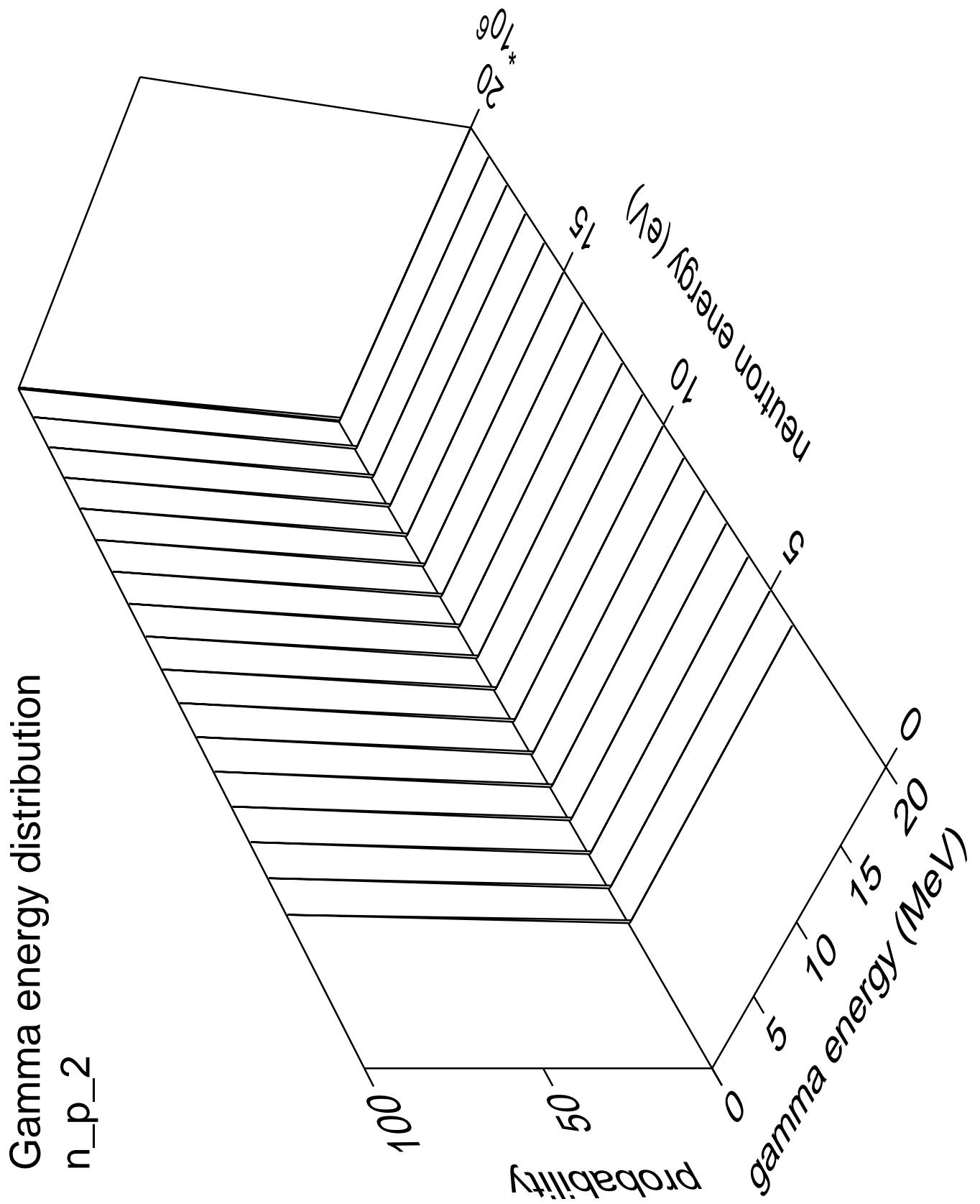
$10^{-261}$

$10^{-262}$

$10^{-263}$

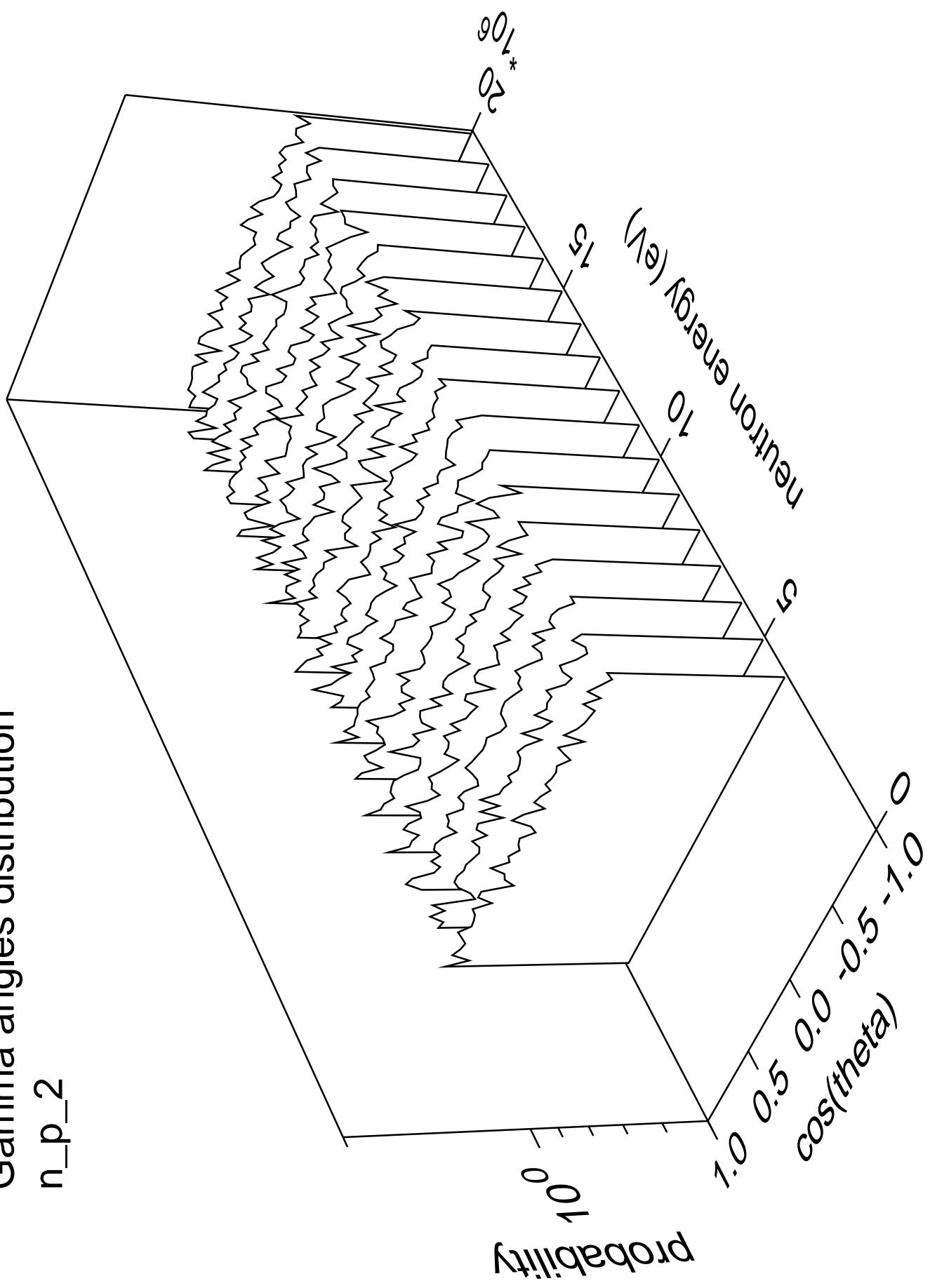
$10^{-264}$ </p

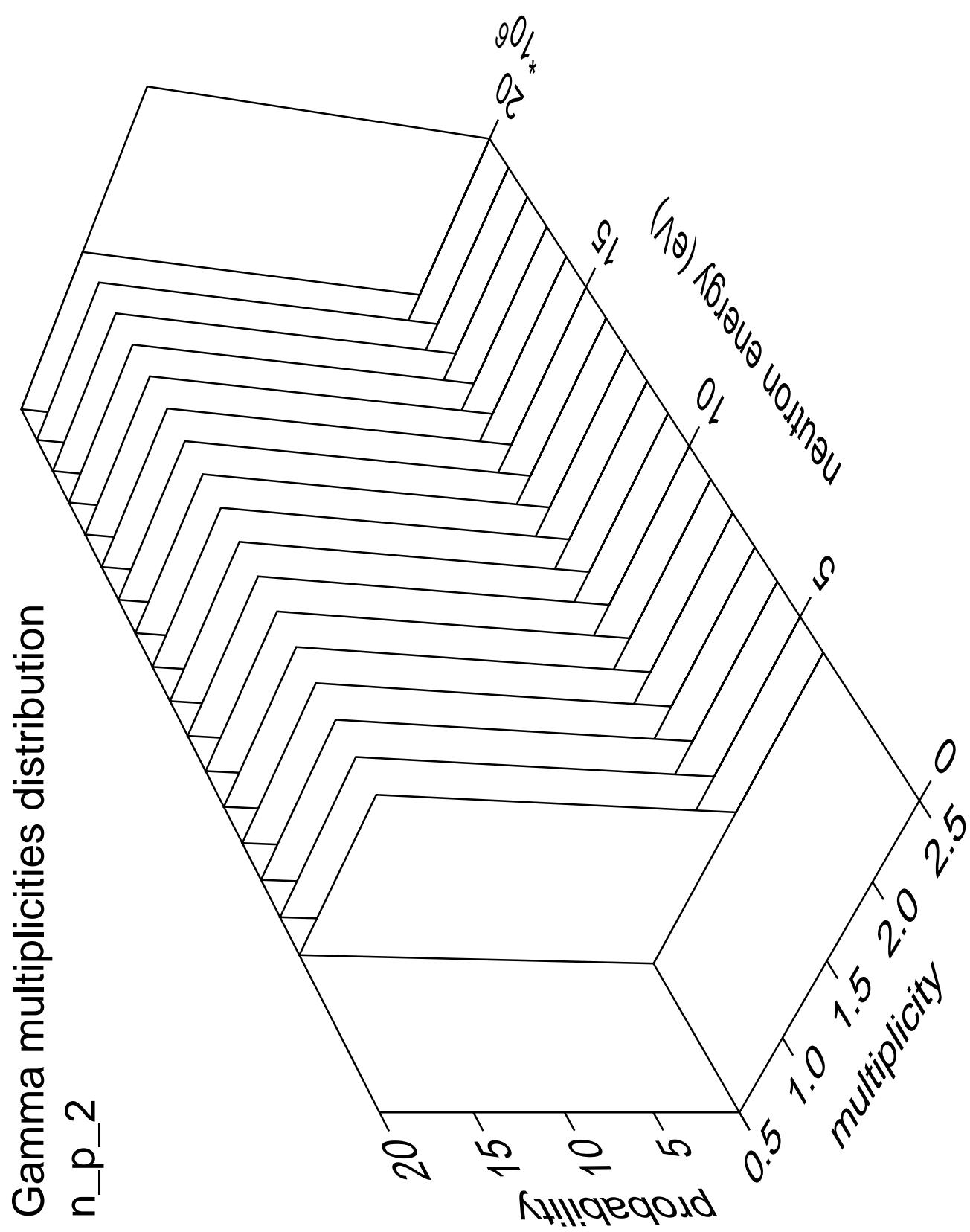




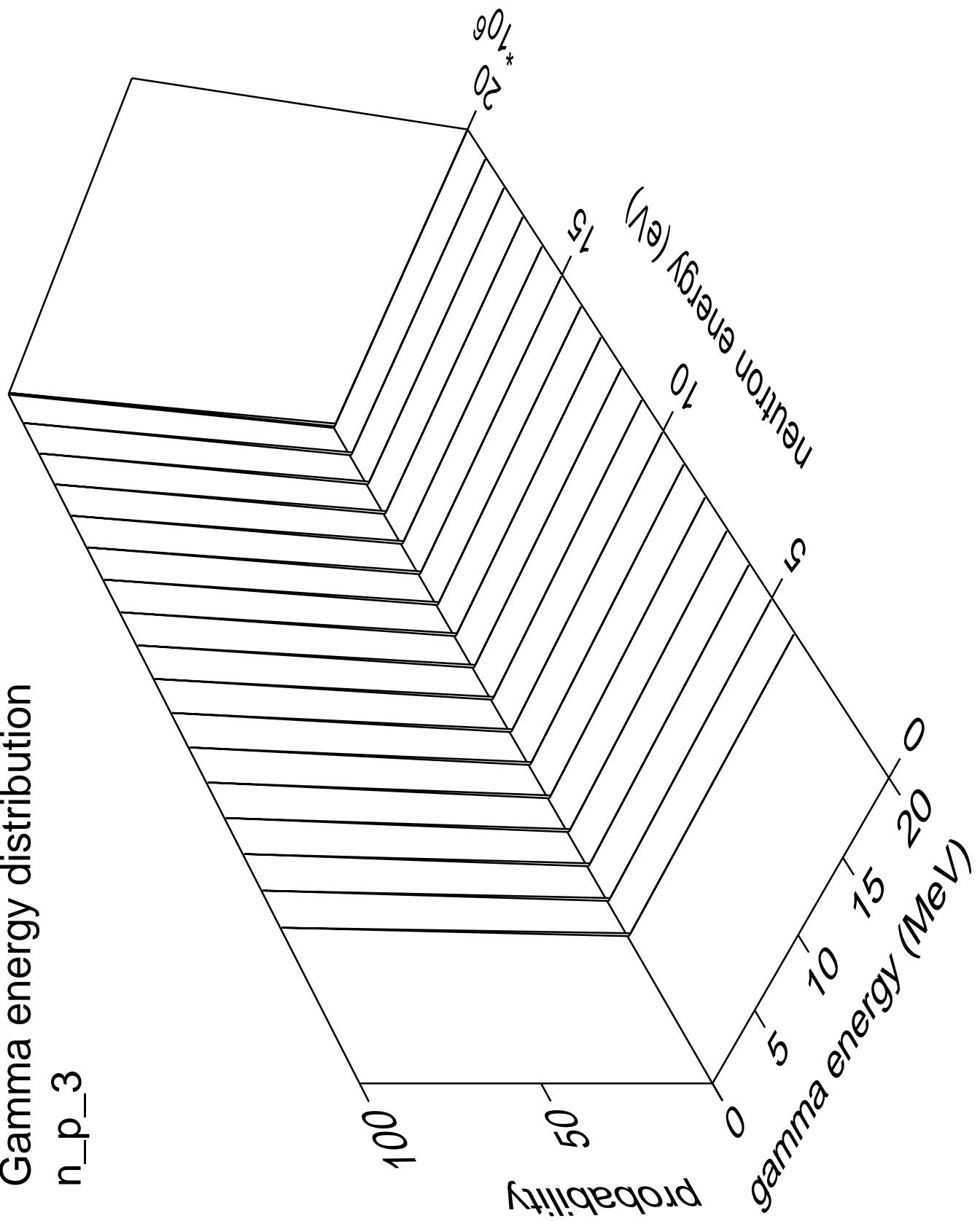
Gamma angles distribution

$n_{p\_2}$





# $n_p_3$



# Gamma angles distribution

$n_{p\_3}$

Probability

$10^0$

$*$

$1.0$

$0.5$

$0.0$

$-0.5$

$-1.0$

$\cos(\theta)$

$10^0$

$5$

$10$

$15$

$20$

$25$

$30$

$35$

$40$

$45$

$50$

$55$

$60$

$65$

$70$

$75$

$80$

$85$

$90$

$95$

$100$

$105$

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$685$

$690$

$695$

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$705$

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$730$

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$765$

$770$

$775$

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$785$

$790$

$795$

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$805$

$810$

$815$

$820$

$825$

$830$

$835$

$840$

$845$

$850$

$855$

$860$

$865$

$870$

$875$

$880$

$885$

$890$

$895$

$900$

$905$

$910$

$915$

$920$

$925$

$930$

$935$

$940$

$945$

$950$

$955$

$960$

$965$

$970$

$975$

$980$

$985$

$990$

$995$

$1000$

$1005$

$1010$

$1015$

$1020$

$1025$

$1030$

$1035$

$1040$

$1045$

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$1100$

$1105$

$1110$

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$1120$

$1125$

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$1135$

$1140$

$1145$

$1150$

$1155$

$1160$

$1165$

$1170$

$1175$

$1180$

$1185$

$1190$

$1195$

$1200$

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$1210$

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$1225$

$1230$

$1235$

$1240$

$1245$

$1250$

$1255$

$1260$

$1265$

$1270$

$1275$

$1280$

$1285$

$1290$

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$1315$

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$1325$

$1330$

$1335$

$1340$

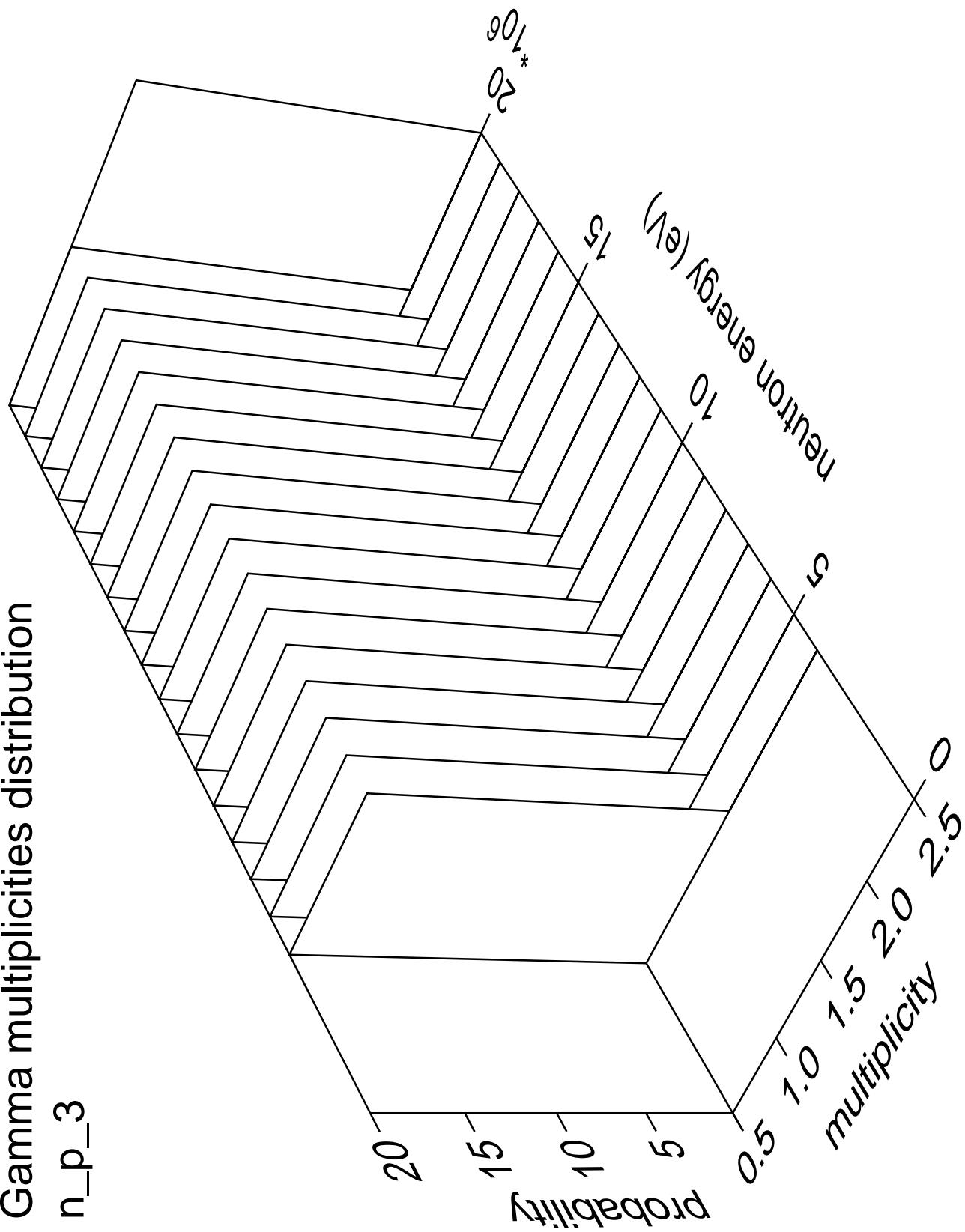
$1345$

$1350$

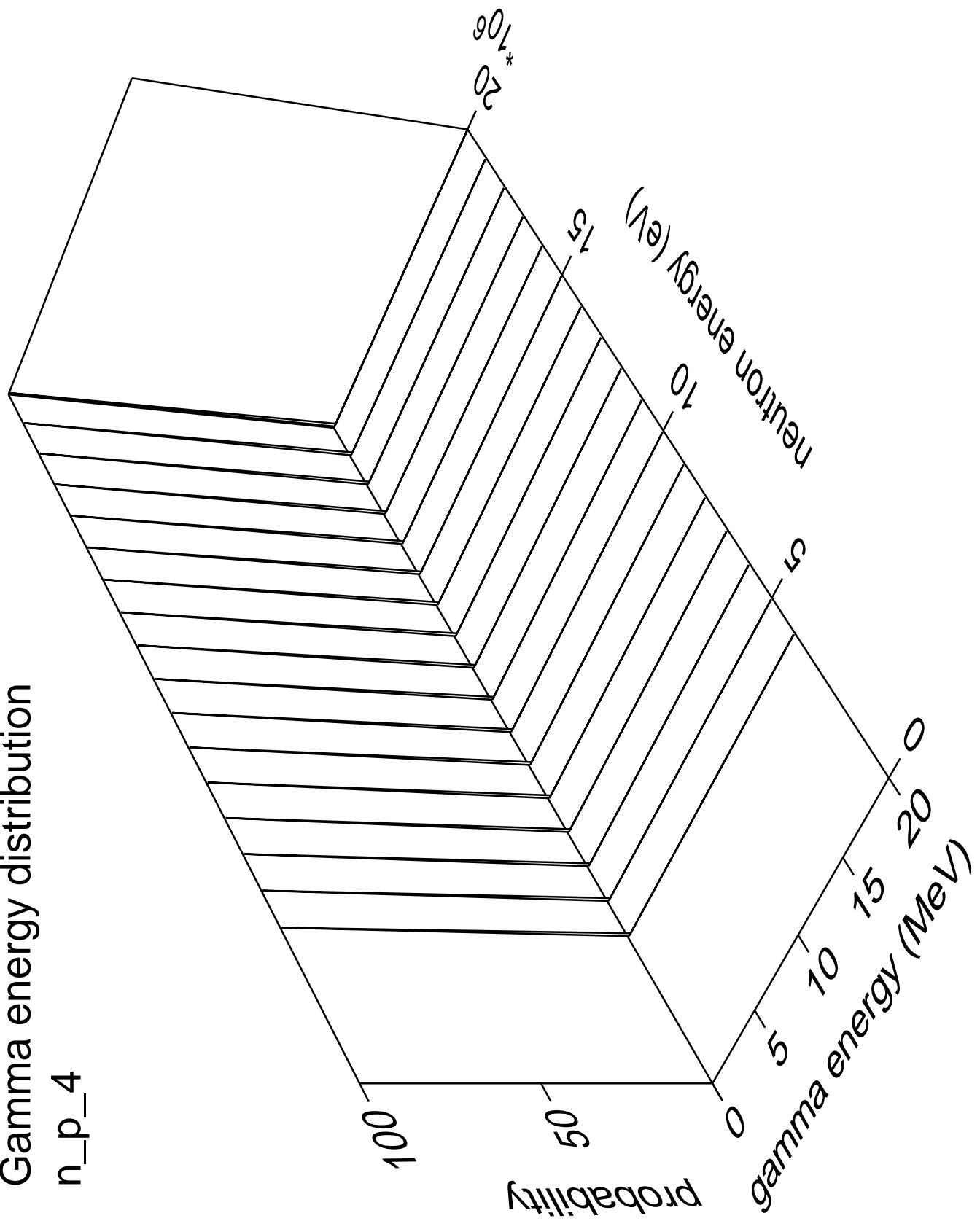
$1355$

$1360$

### Gamma multiplicities distribution

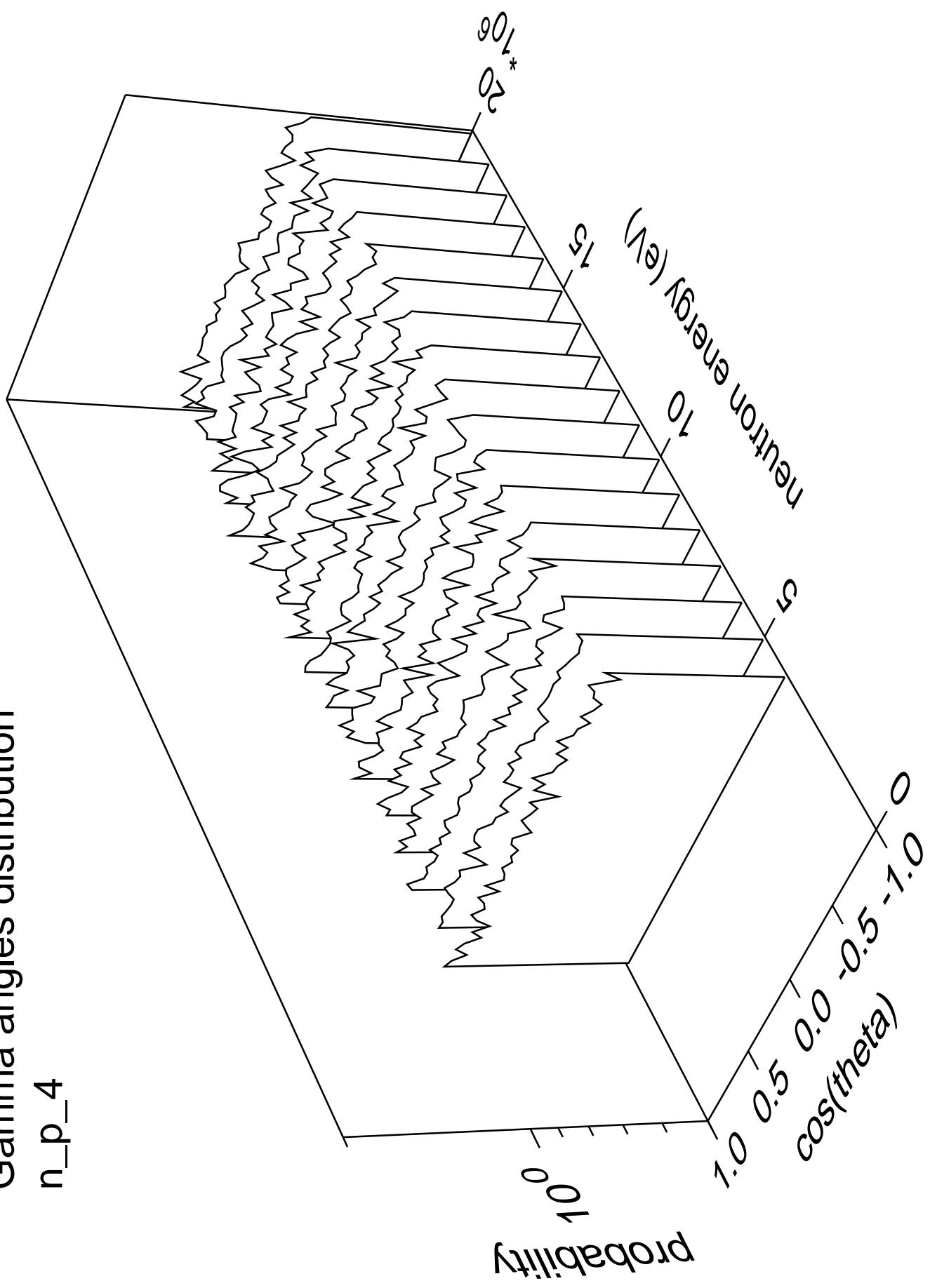


# $n_p_4$

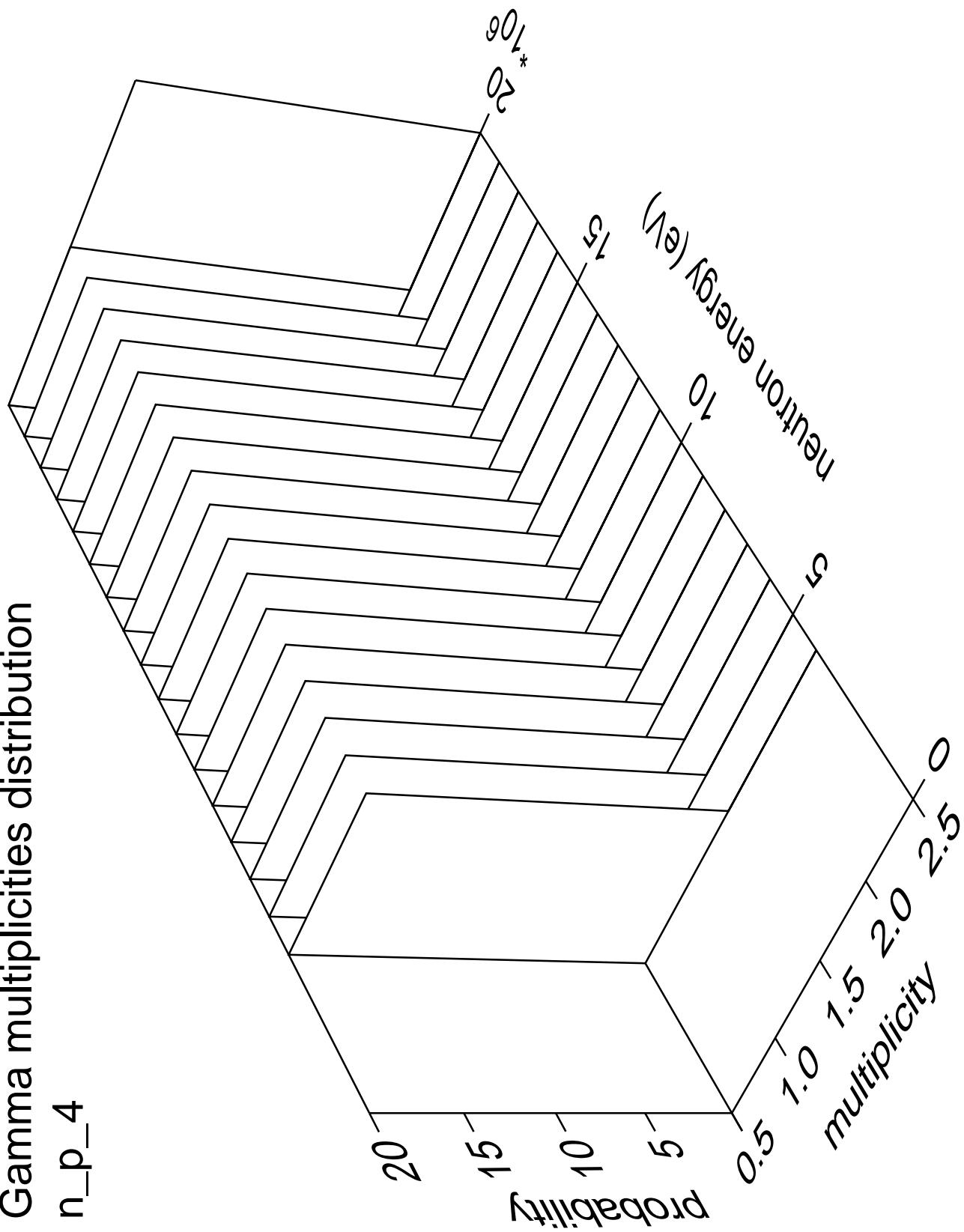


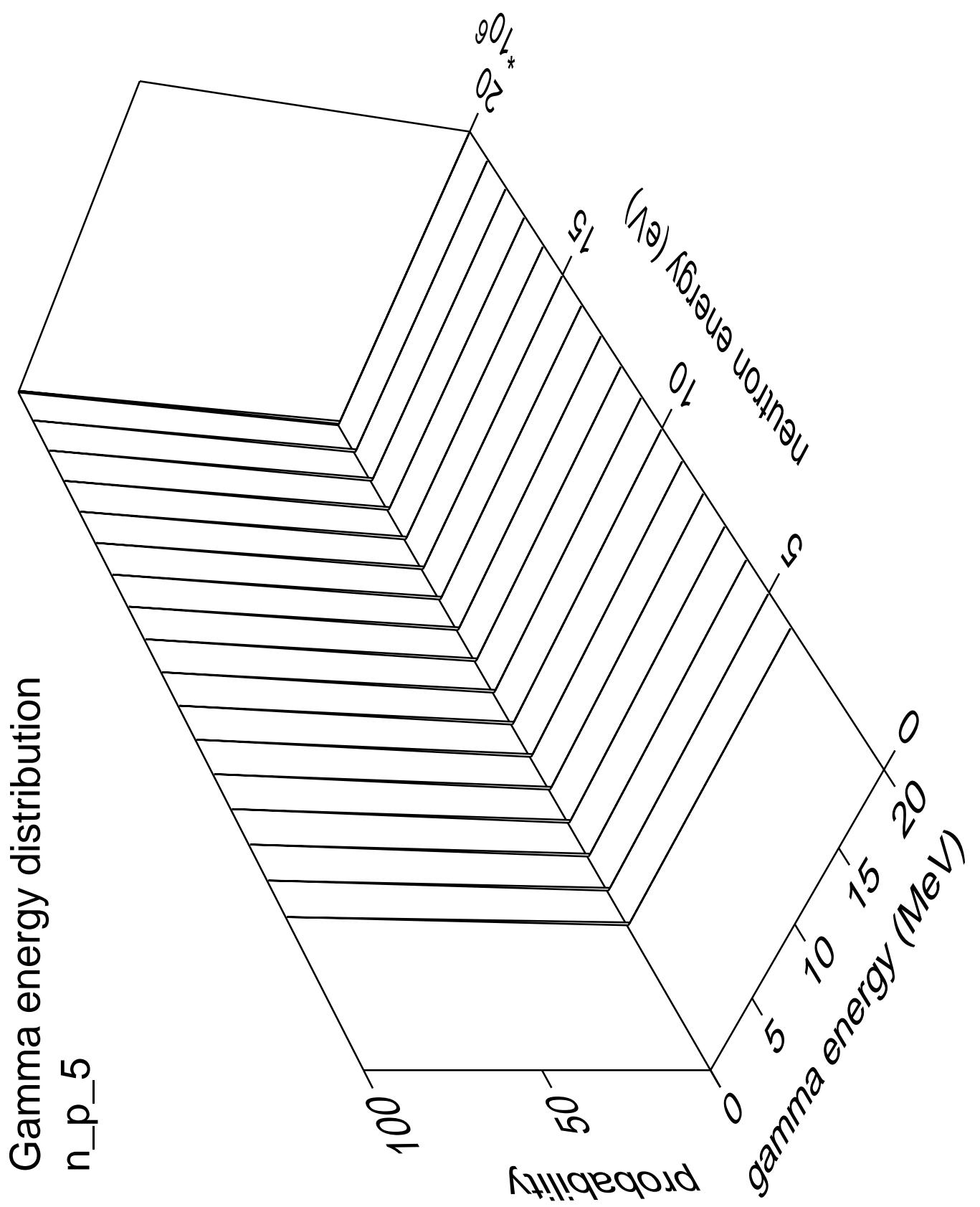
Gamma angles distribution

n\_p\_4



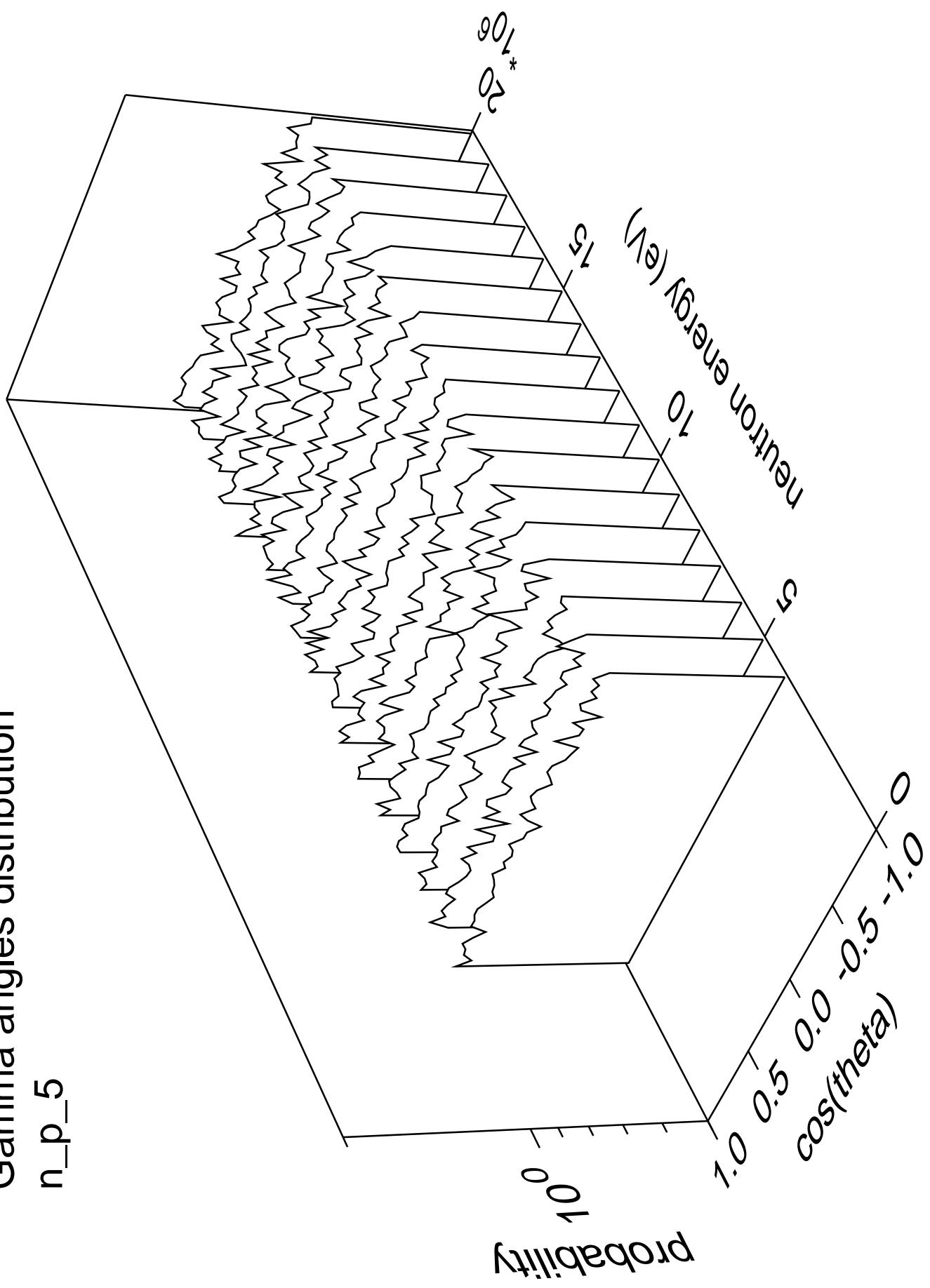
## Gamma multiplicities distribution



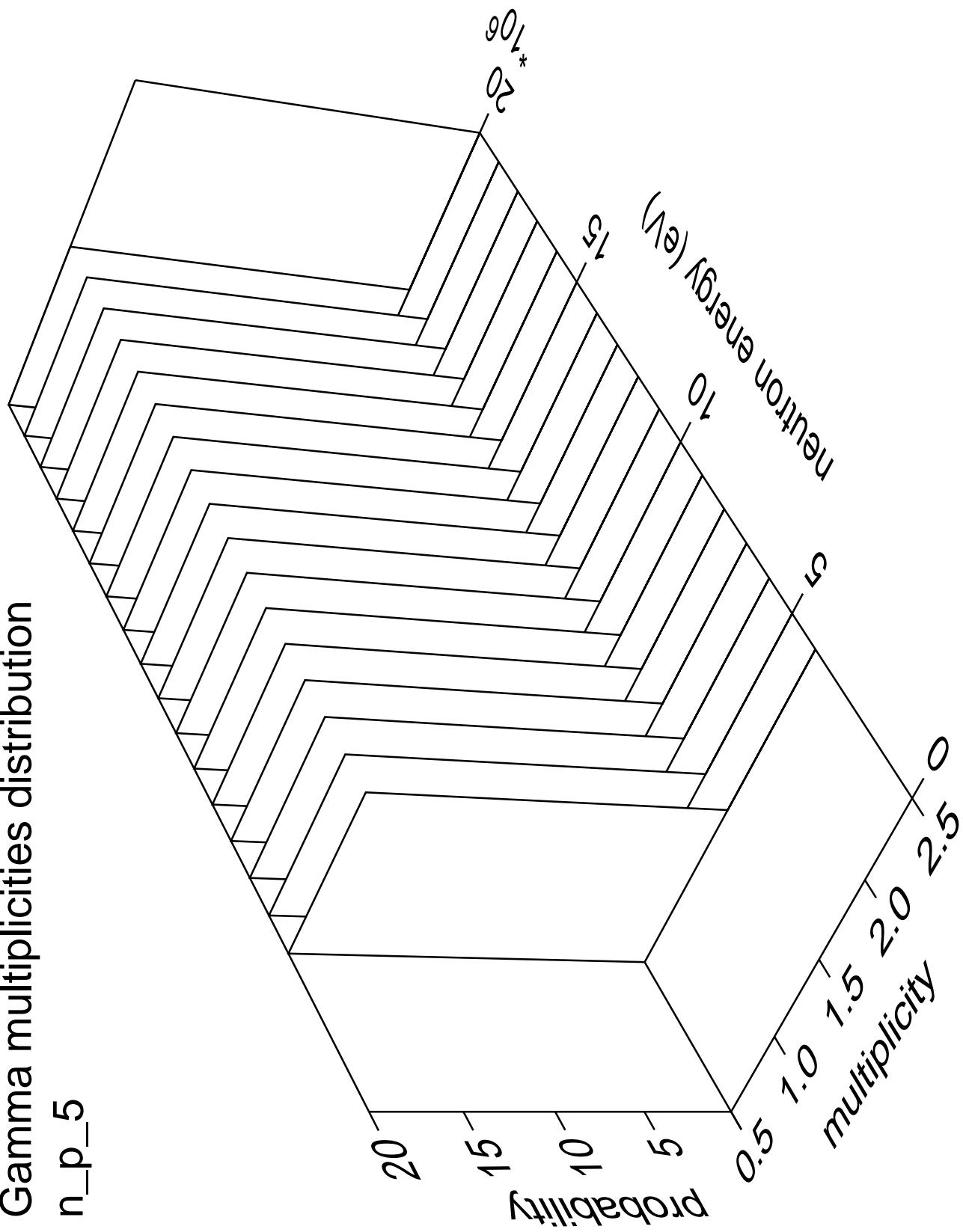


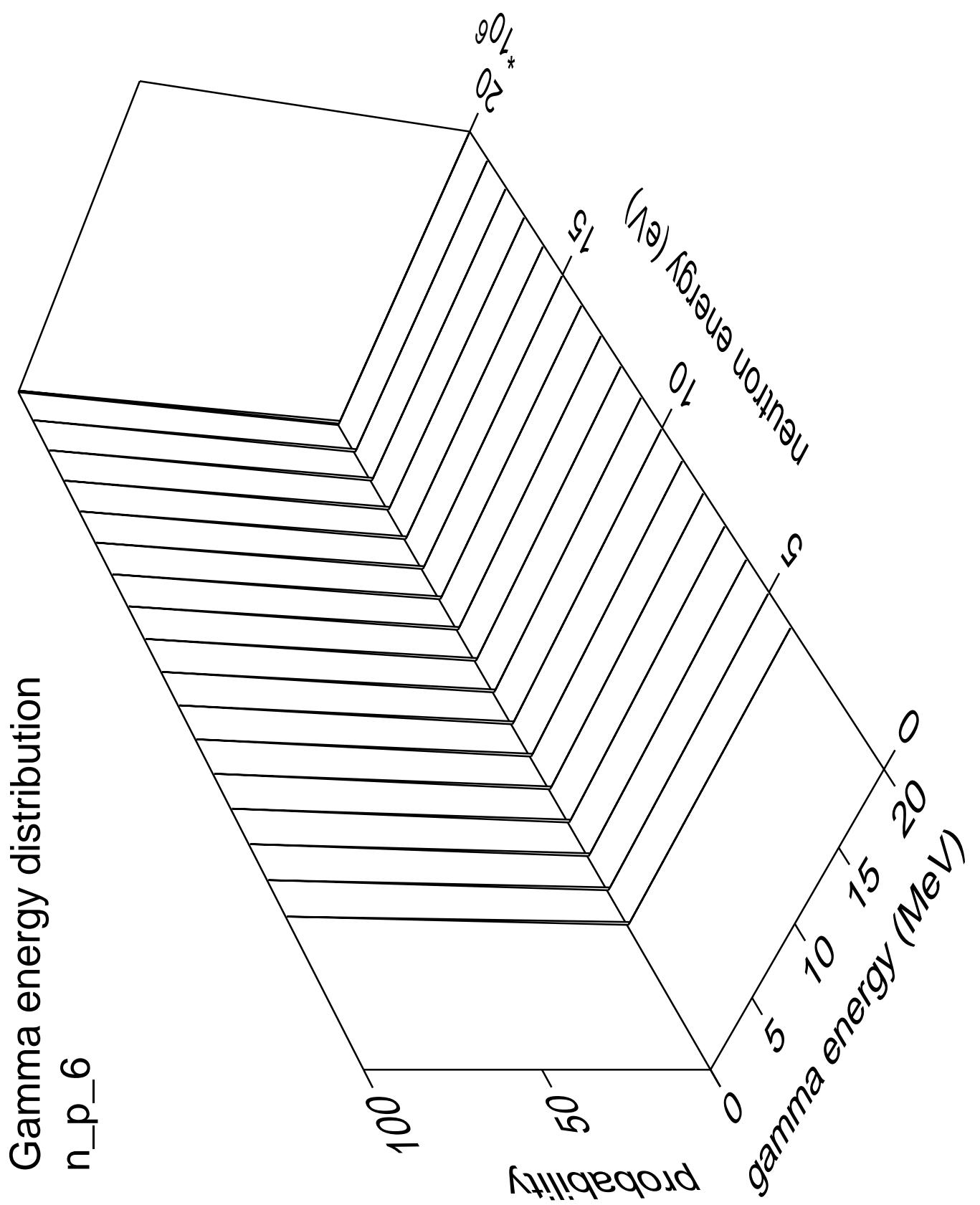
Gamma angles distribution

n\_p\_5



## Gamma multiplicities distribution





Gamma angles distribution

$n_p_6$

Probability

$10^0$

$\downarrow$

Neutron energy (eV)

5

$\cos(\theta)$

$1.0$

$0.5$

$0.0$

$-0.5$

$-1.0$

$10^6$

$20$

$15$

$10$

$5$

$0$

$5$

$10$

$15$

$20$

$25$

$30$

$35$

$40$

$45$

$50$

$55$

$60$

$65$

$70$

$75$

$80$

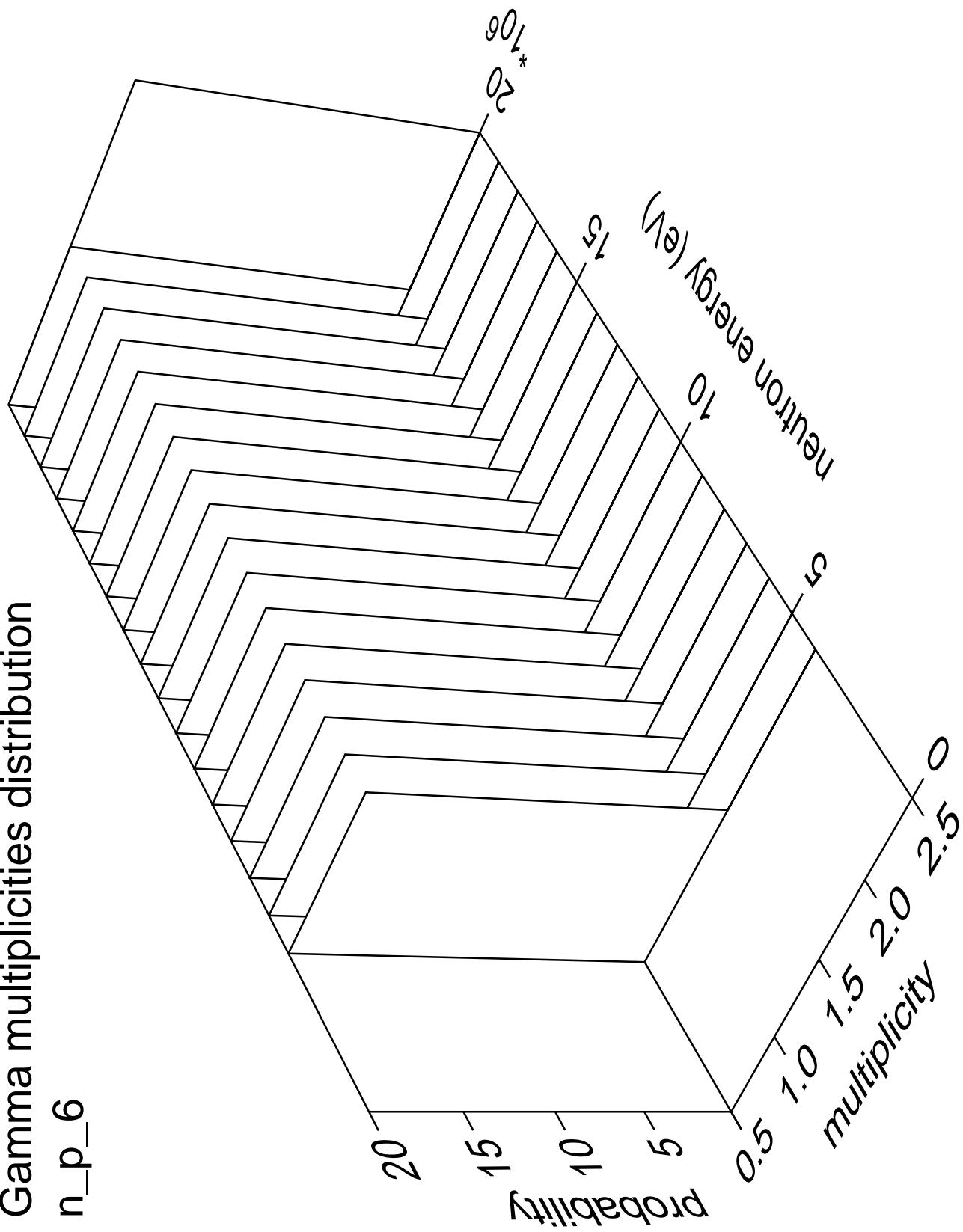
$85$

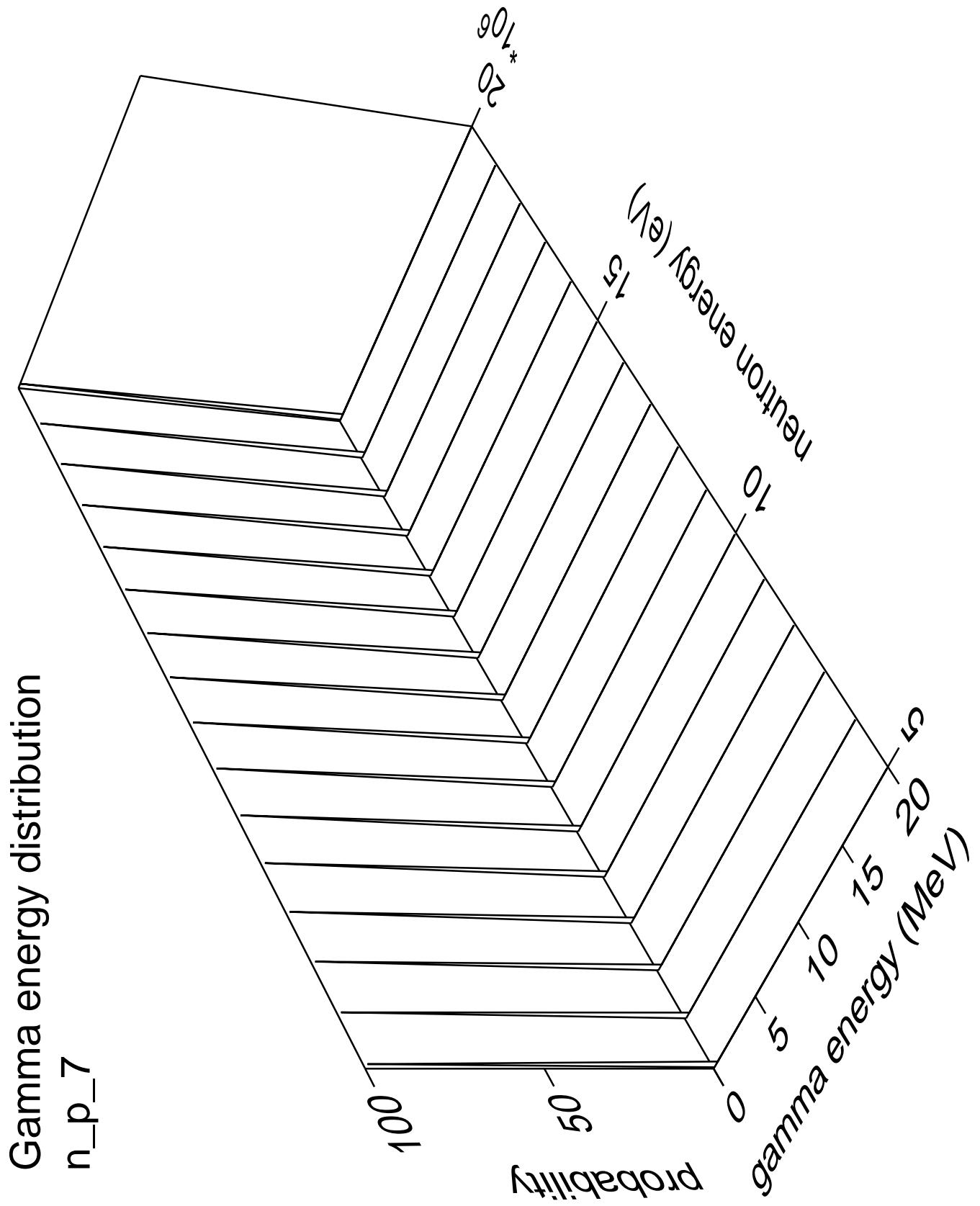
$90$

$95$

$100$

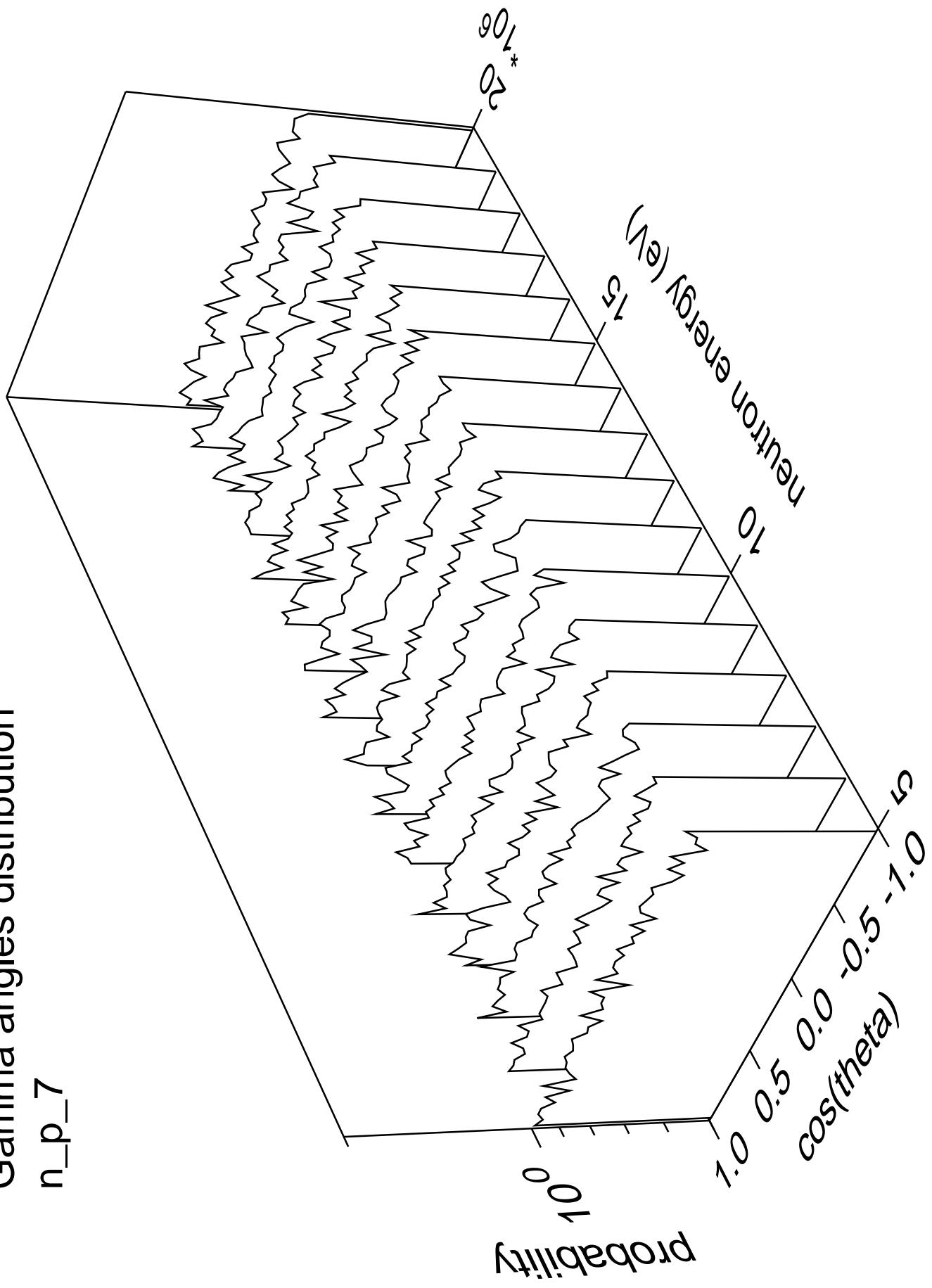
## Gamma multiplicities distribution

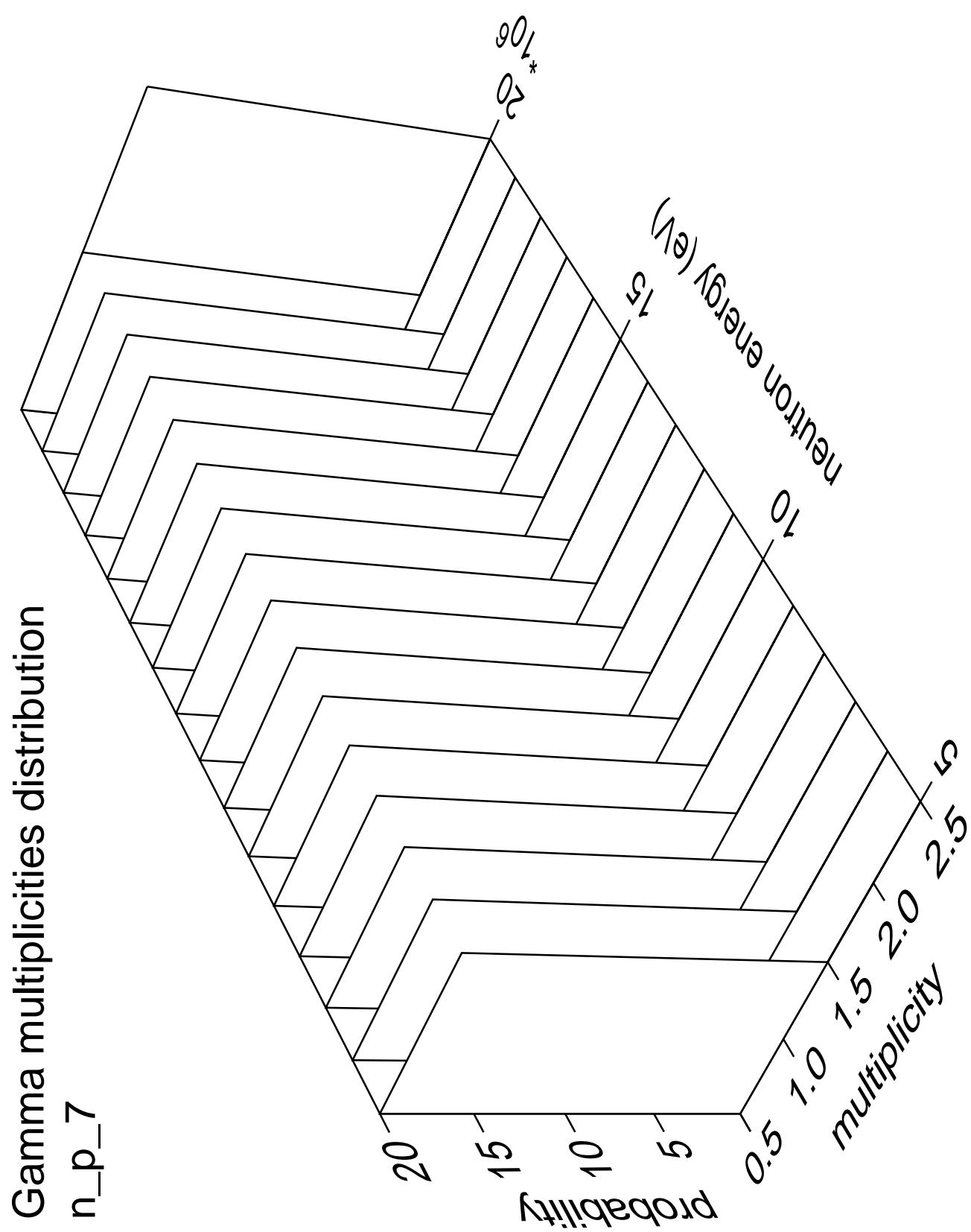


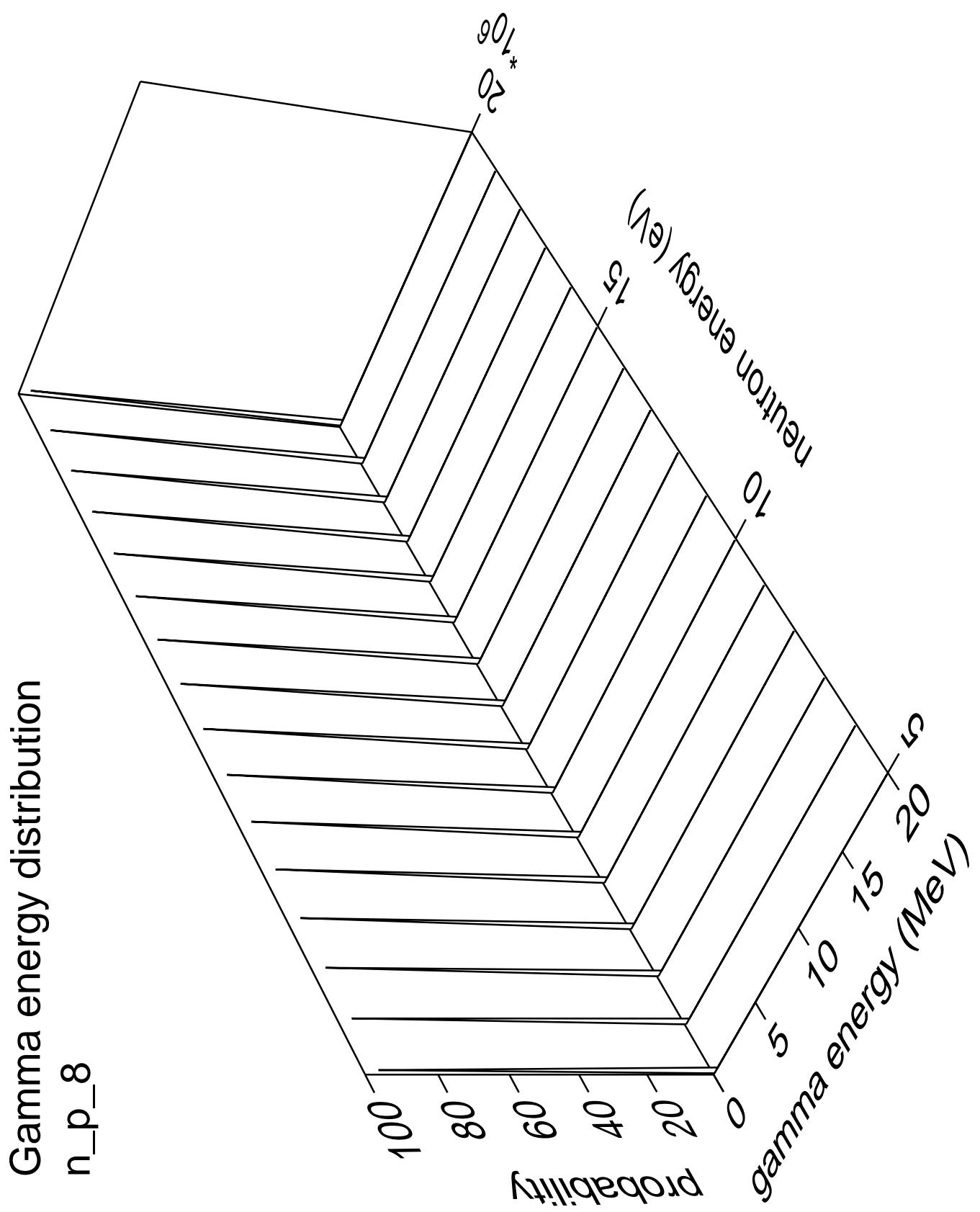


# Gamma angles distribution

$n_p_7$

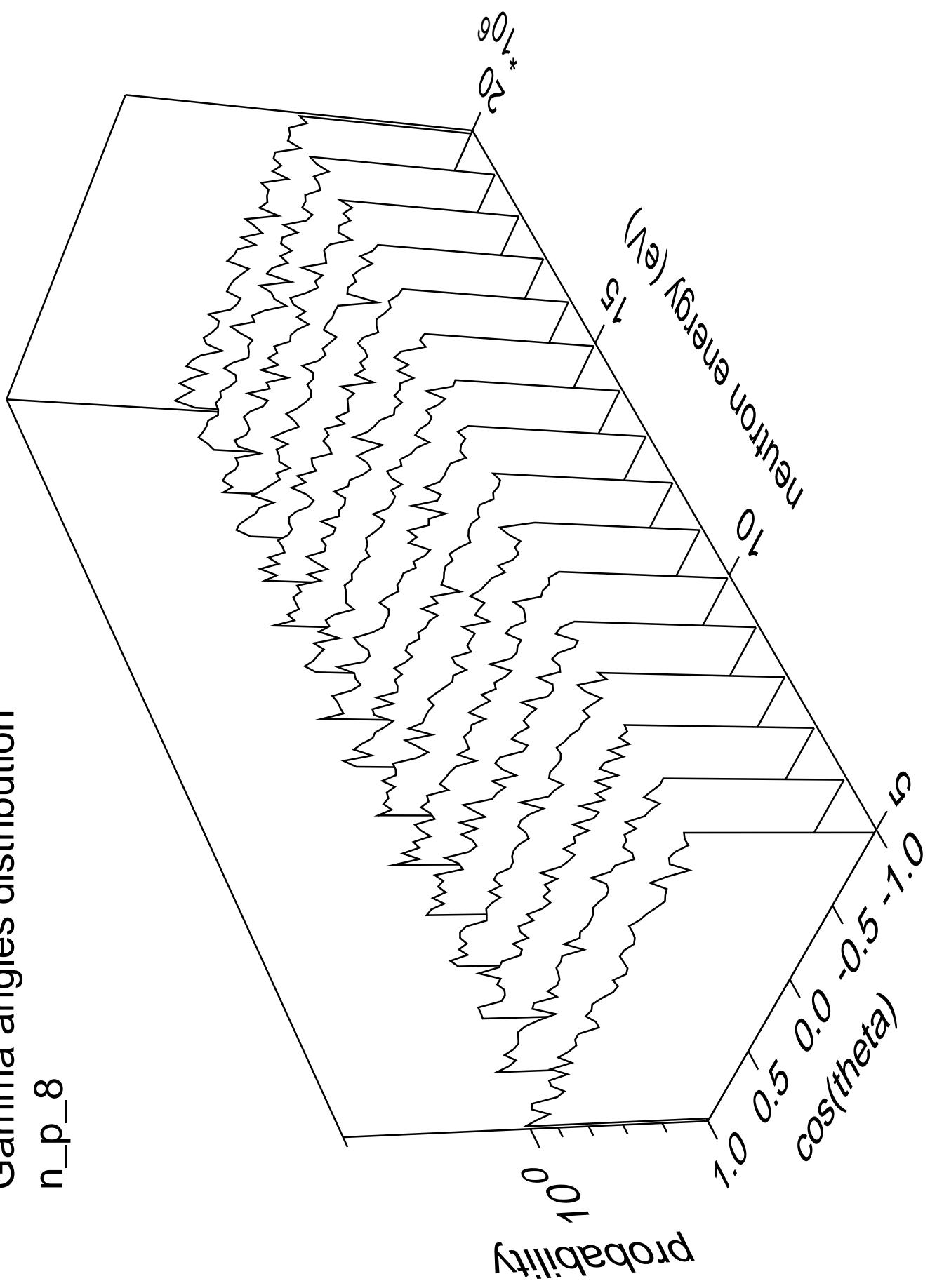


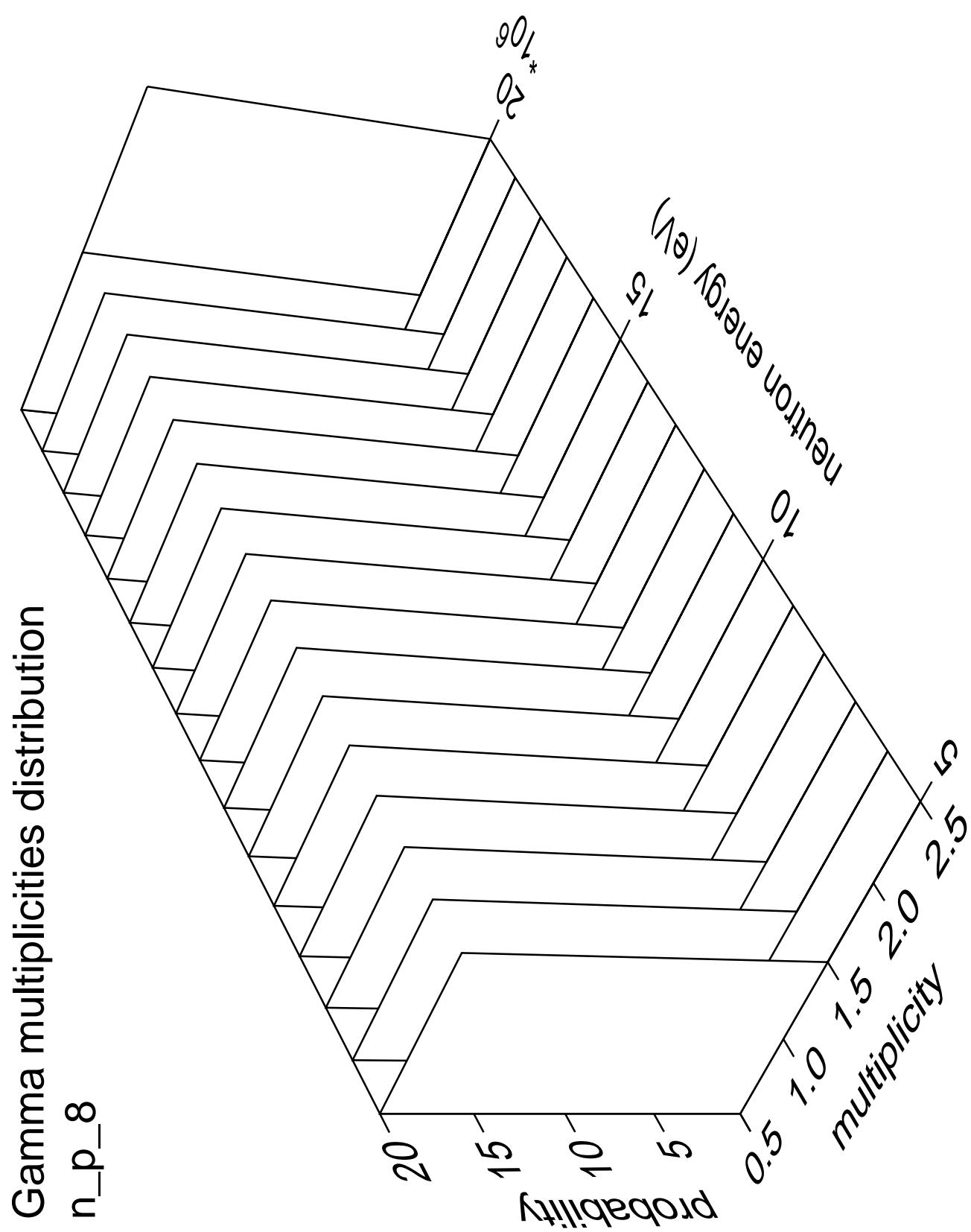


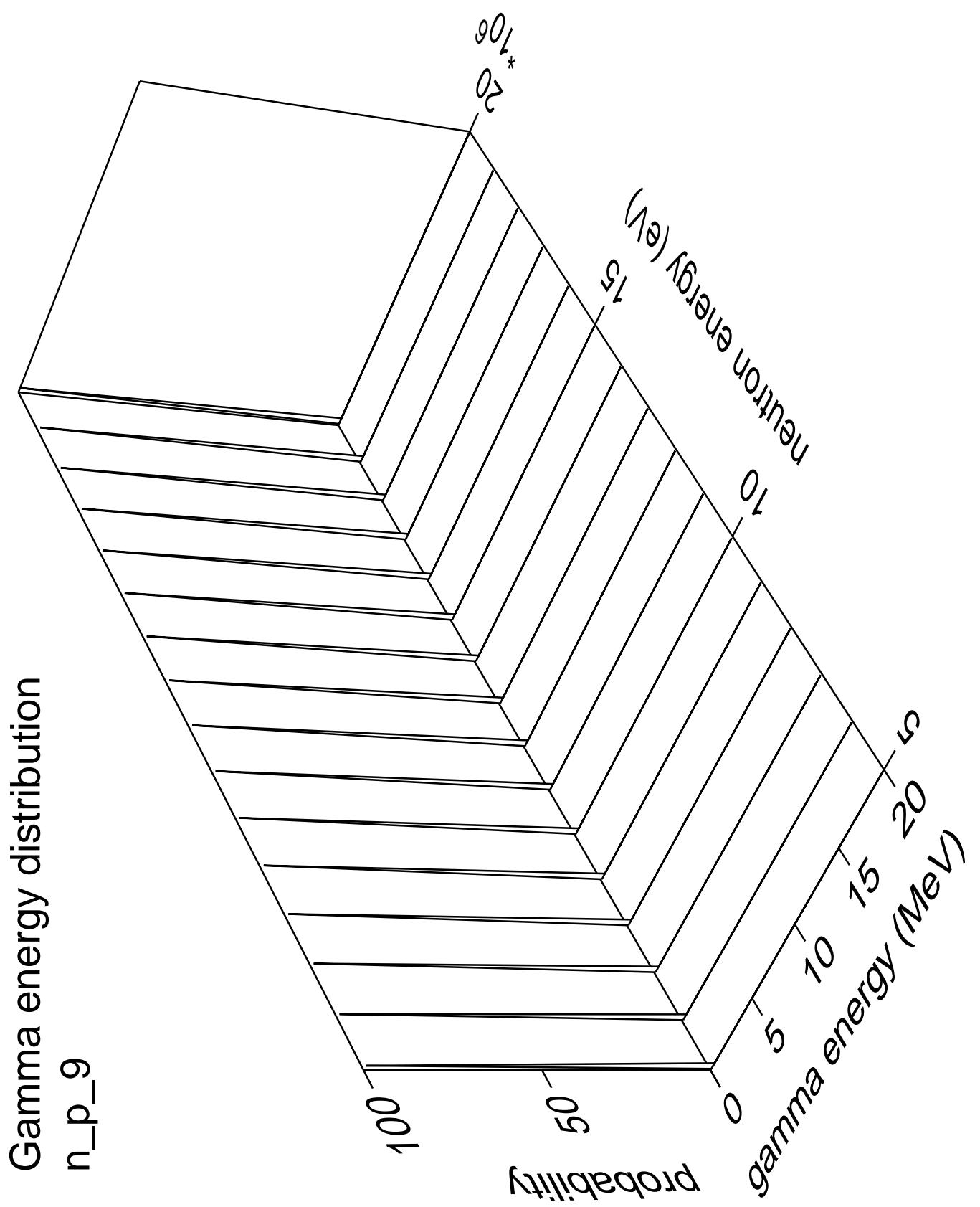


Gamma angles distribution

n\_p\_8

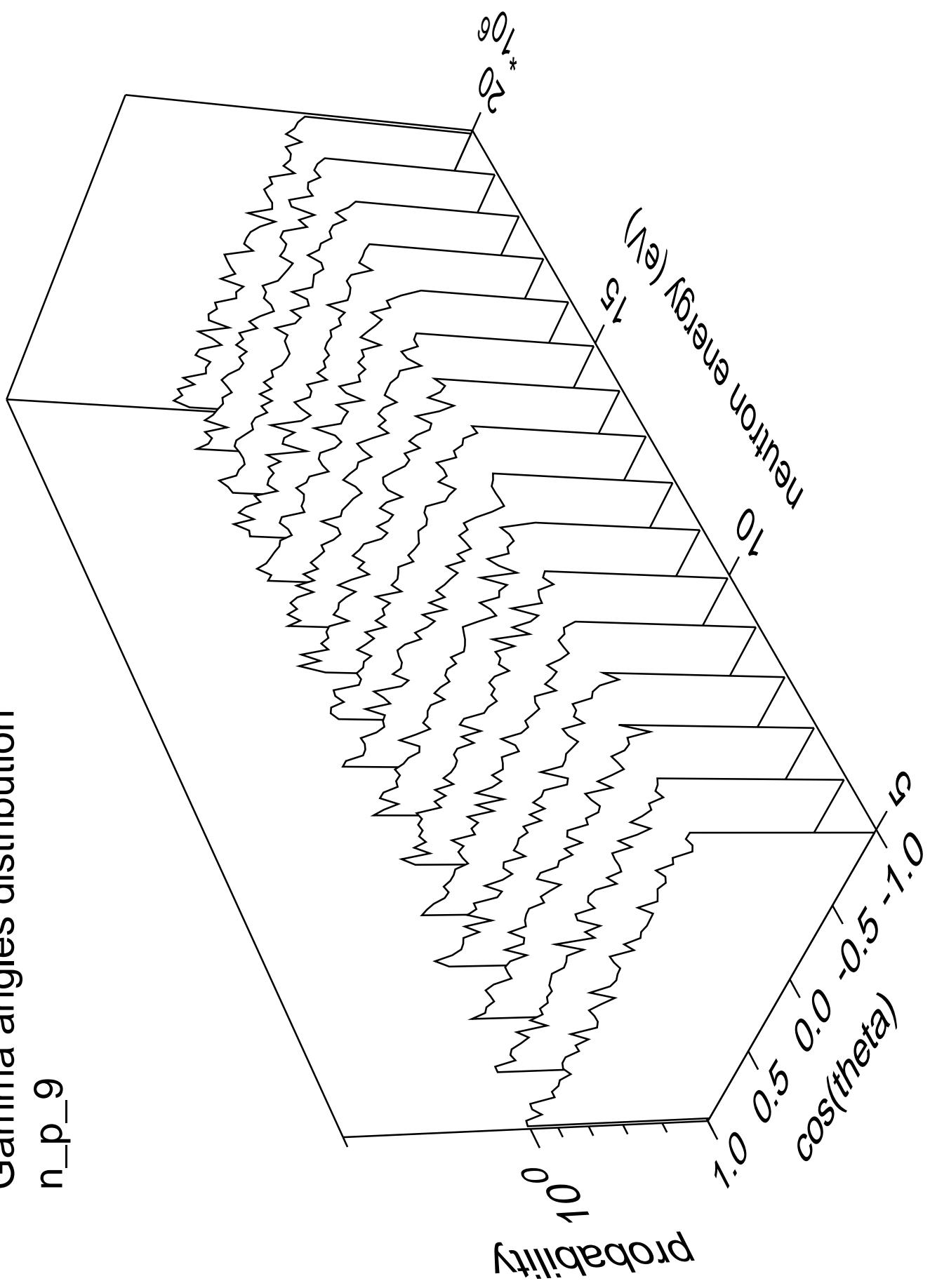


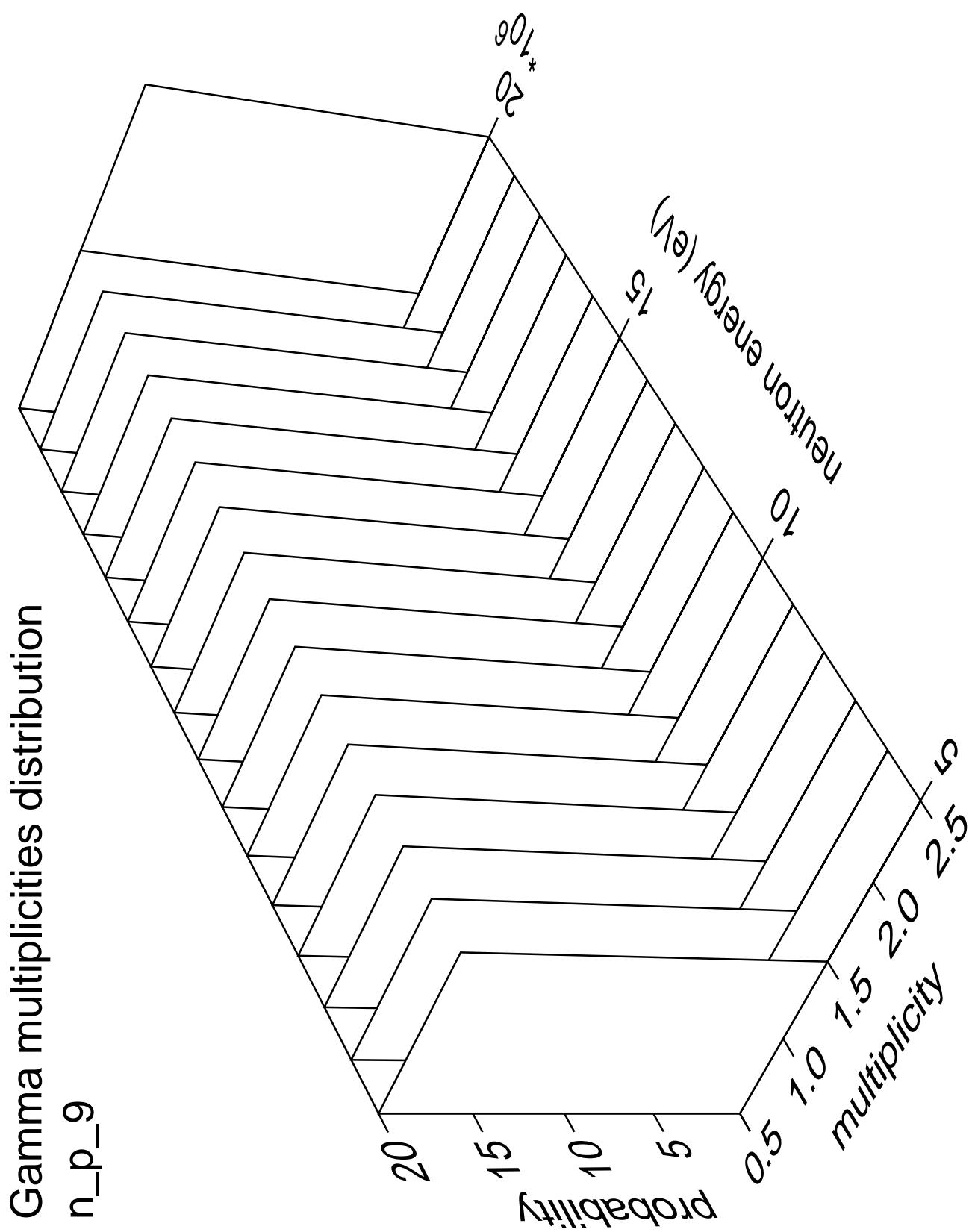


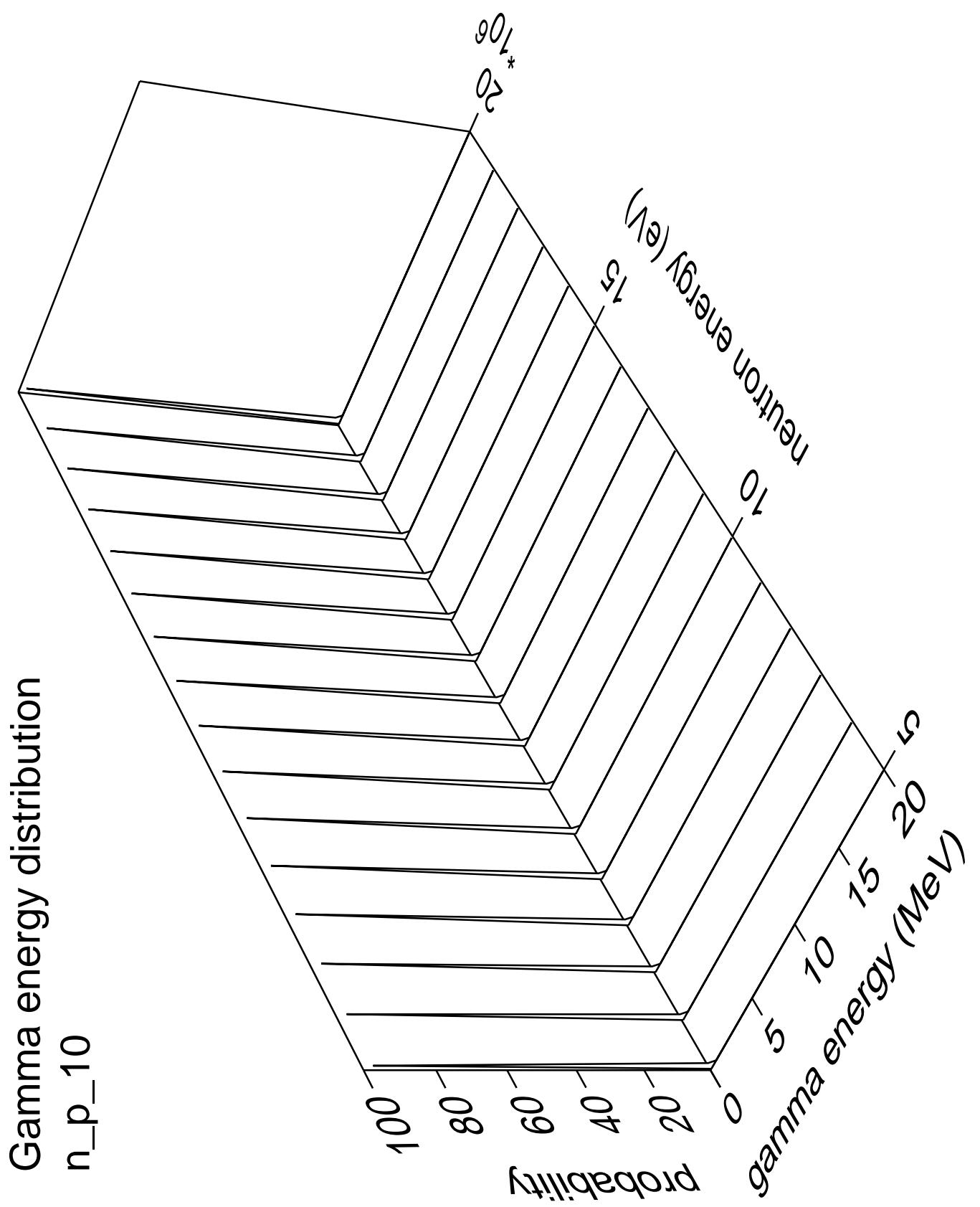


Gamma angles distribution

n\_p\_9

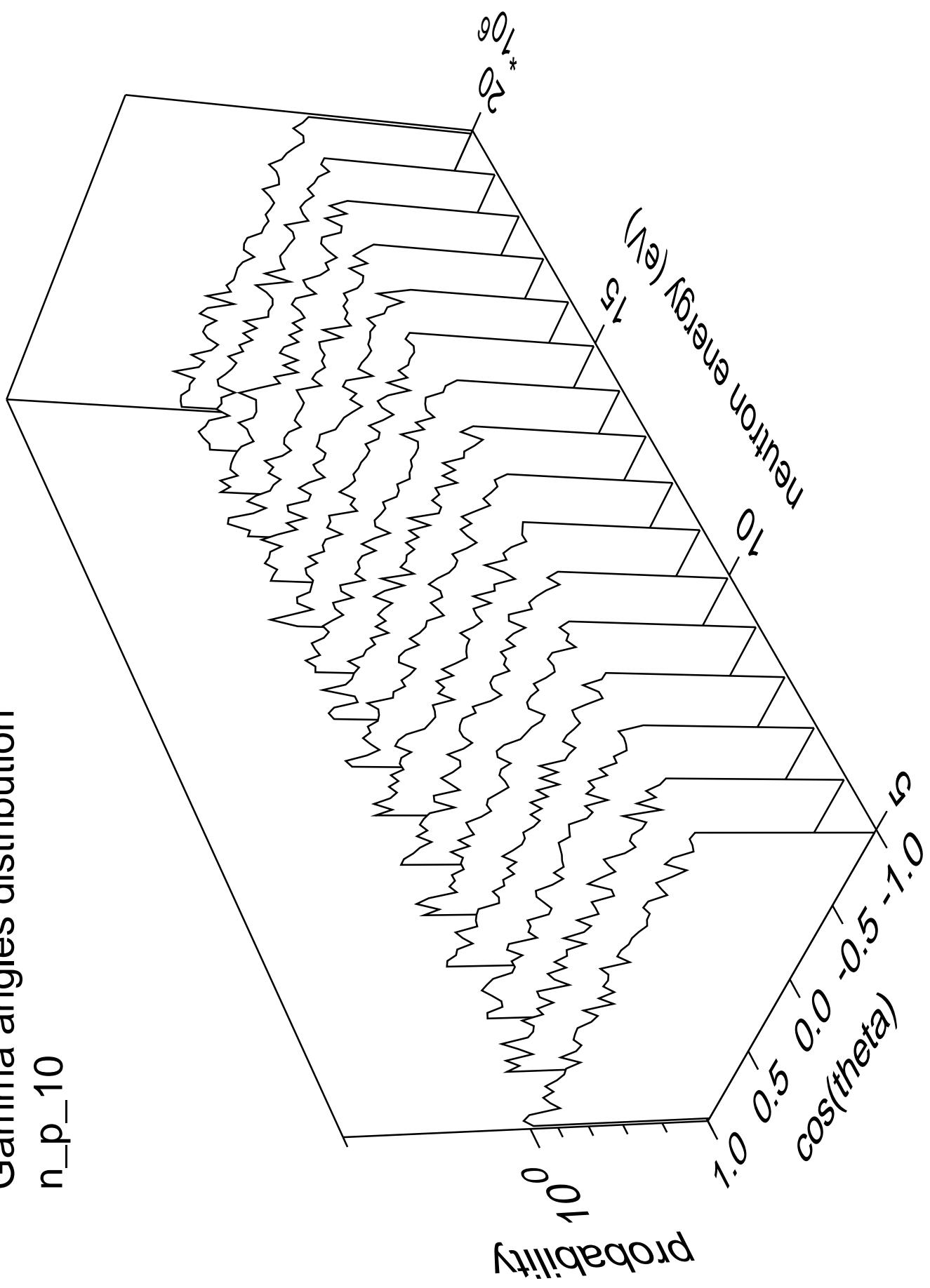


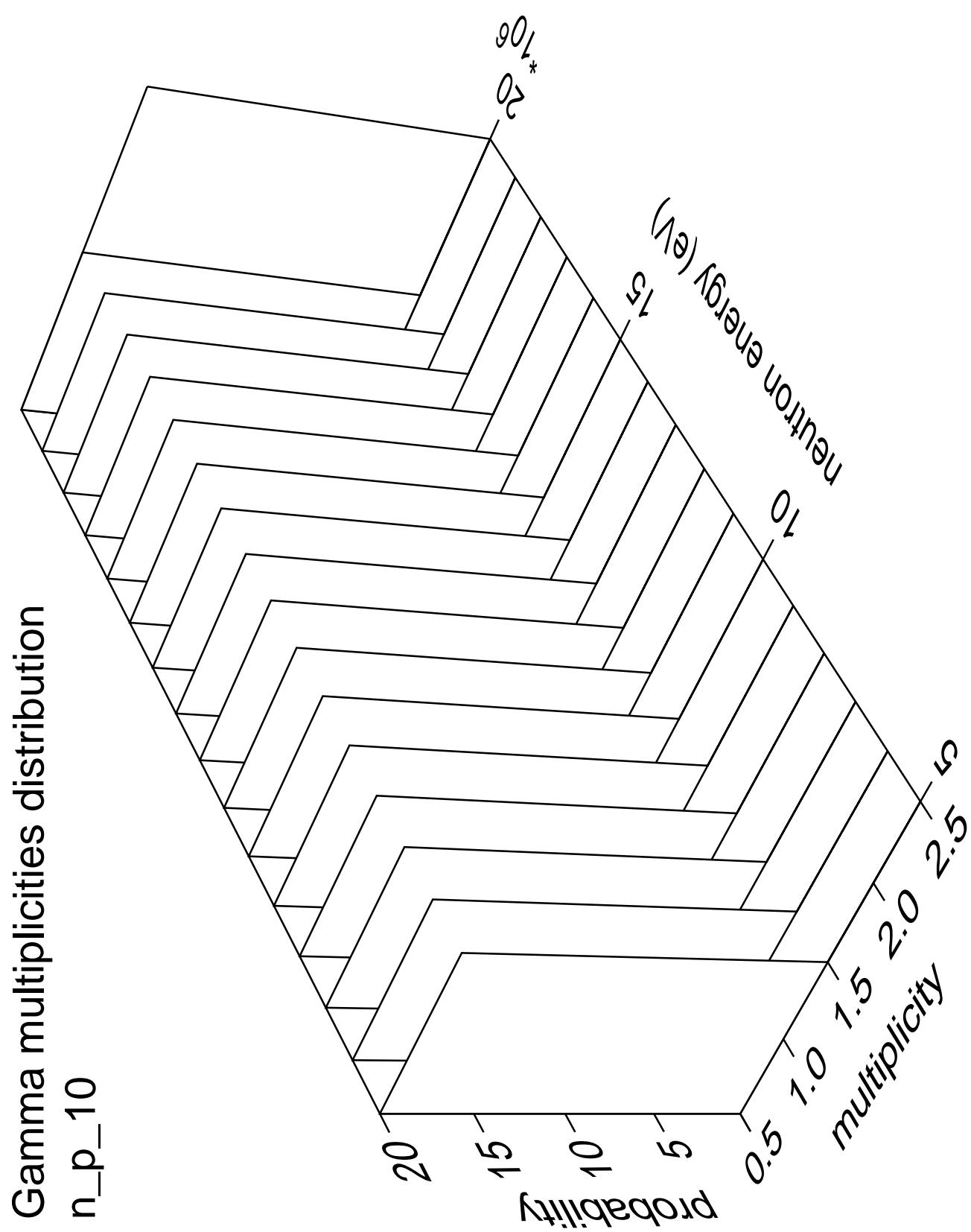




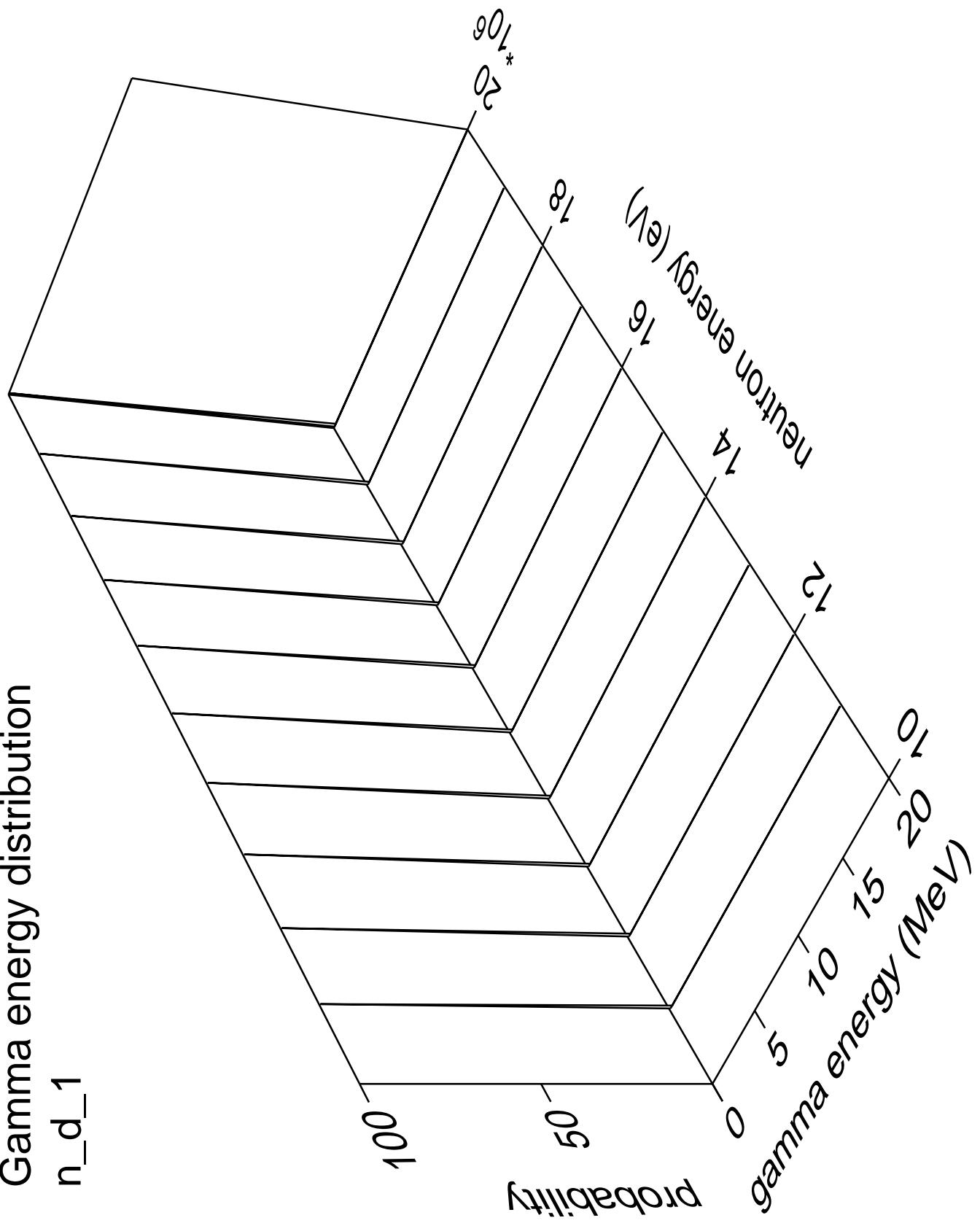
Gamma angles distribution

n\_p\_10





# Gamma energy distribution n\_d\_1



Gamma angles distribution

$n_d_1$

Probability

$10^0$

$\cos(\theta)$

1.0

0.5

0.0

-0.5

-1.0

neutron energy (eV)

$10^6$

$10^5$

$10^4$

$10^3$

$10^2$

$10^1$

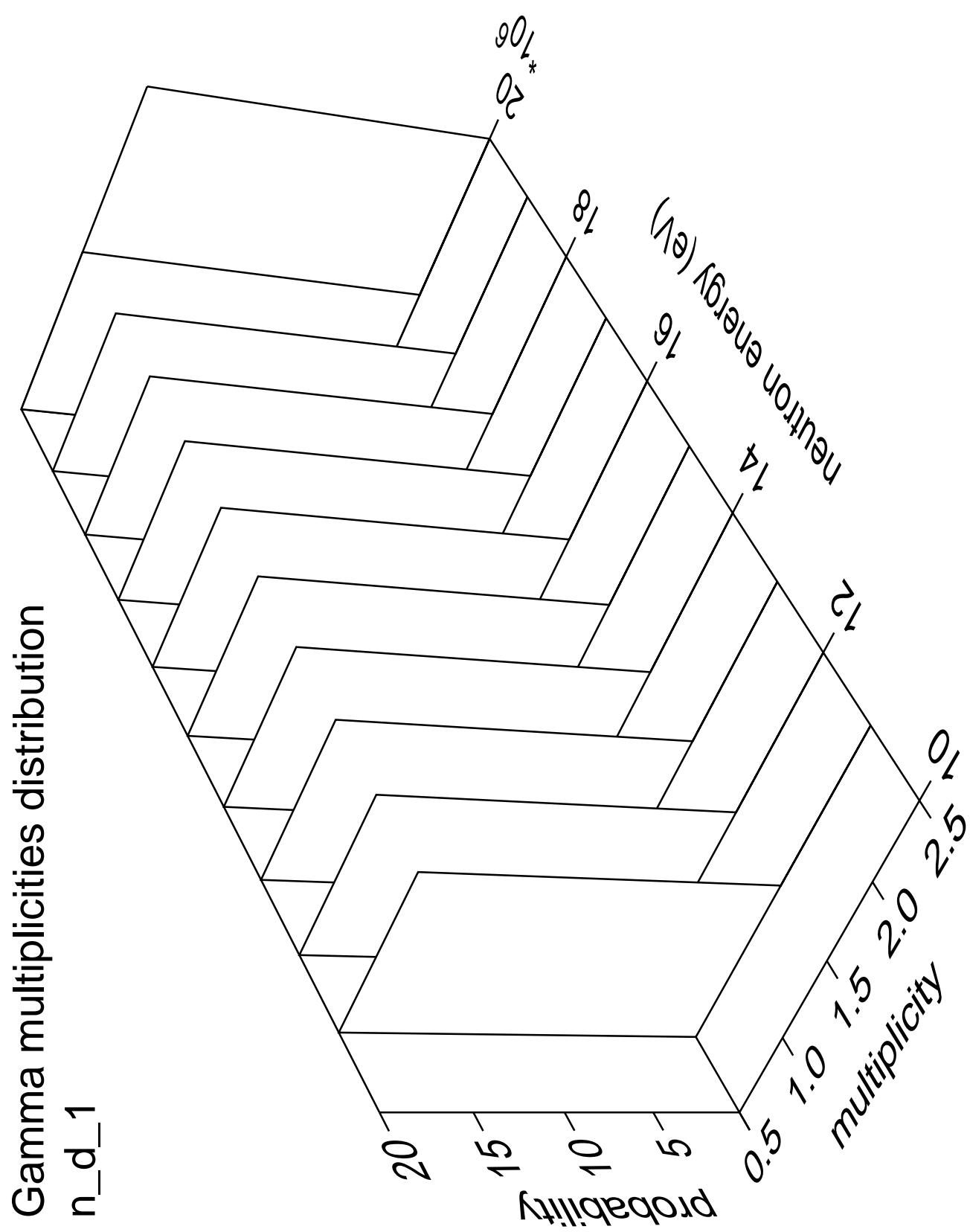
$10^0$

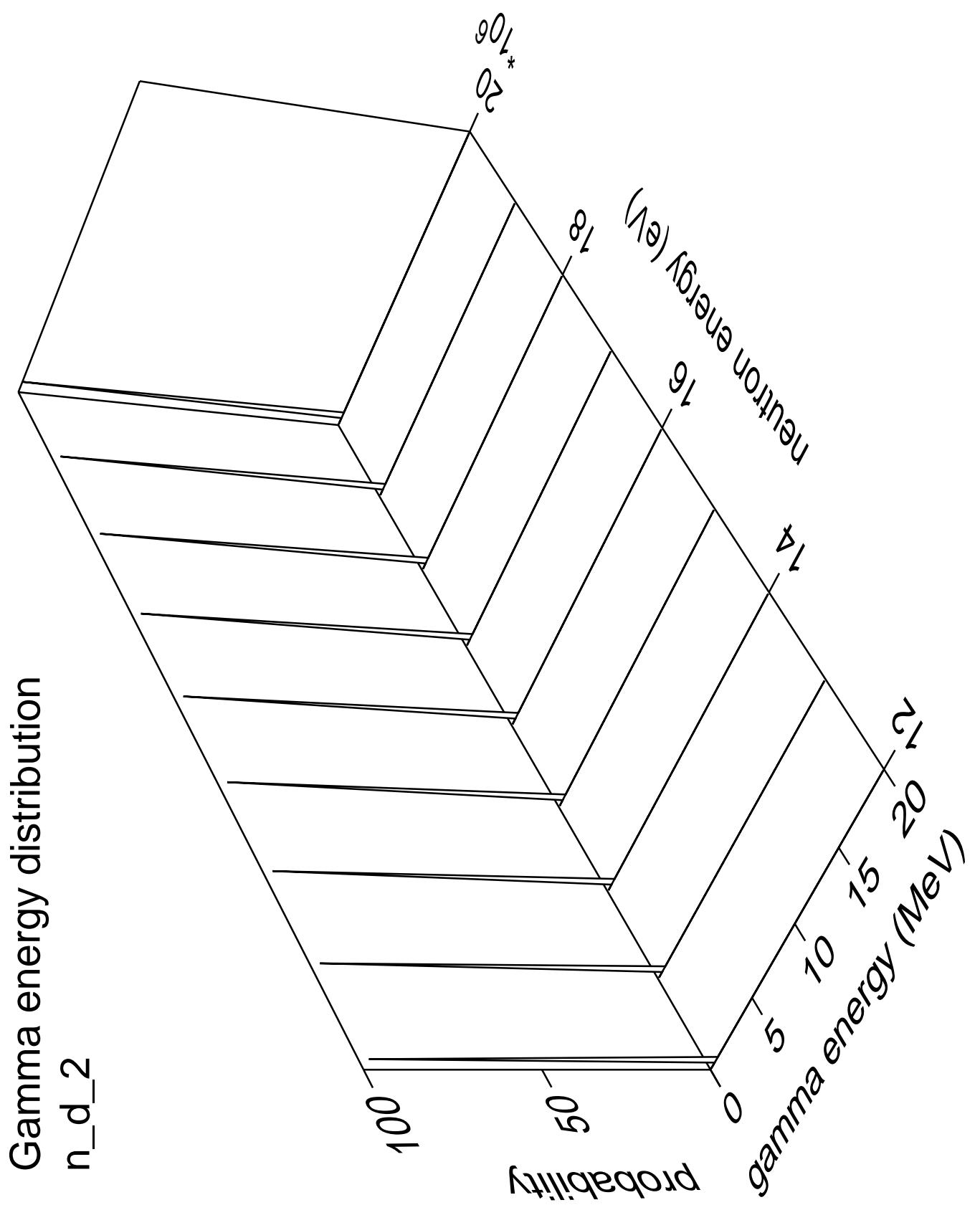
$10^{-1}$

$10^{-2}$

$10^{-3}$

$10^{-4}$





Gamma angles distribution

$n_d_2$

Probability

$10^0$

$\cos(\theta)$

1.0

0.5

0.0

-0.5

-1.0

$\theta$

$10^6$

20

18

16

14

12

10

8

6

4

2

0

-2

-4

-6

-8

-10

-12

-14

-16

-18

-20

-10<sup>6</sup>

-20<sup>6</sup>

-30<sup>6</sup>

-40<sup>6</sup>

-50<sup>6</sup>

-60<sup>6</sup>

-70<sup>6</sup>

-80<sup>6</sup>

-90<sup>6</sup>

-100<sup>6</sup>

-110<sup>6</sup>

-120<sup>6</sup>

-130<sup>6</sup>

-140<sup>6</sup>

-150<sup>6</sup>

-160<sup>6</sup>

-170<sup>6</sup>

-180<sup>6</sup>

-190<sup>6</sup>

-200<sup>6</sup>

-210<sup>6</sup>

-220<sup>6</sup>

-230<sup>6</sup>

-240<sup>6</sup>

-250<sup>6</sup>

-260<sup>6</sup>

-270<sup>6</sup>

-280<sup>6</sup>

-290<sup>6</sup>

-300<sup>6</sup>

-310<sup>6</sup>

-320<sup>6</sup>

-330<sup>6</sup>

-340<sup>6</sup>

-350<sup>6</sup>

-360<sup>6</sup>

-370<sup>6</sup>

-380<sup>6</sup>

-390<sup>6</sup>

-400<sup>6</sup>

-410<sup>6</sup>

-420<sup>6</sup>

-430<sup>6</sup>

-440<sup>6</sup>

-450<sup>6</sup>

-460<sup>6</sup>

-470<sup>6</sup>

-480<sup>6</sup>

-490<sup>6</sup>

-500<sup>6</sup>

-510<sup>6</sup>

-520<sup>6</sup>

-530<sup>6</sup>

-540<sup>6</sup>

-550<sup>6</sup>

-560<sup>6</sup>

-570<sup>6</sup>

-580<sup>6</sup>

-590<sup>6</sup>

-600<sup>6</sup>

-610<sup>6</sup>

-620<sup>6</sup>

-630<sup>6</sup>

-640<sup>6</sup>

-650<sup>6</sup>

-660<sup>6</sup>

-670<sup>6</sup>

-680<sup>6</sup>

-690<sup>6</sup>

-700<sup>6</sup>

-710<sup>6</sup>

-720<sup>6</sup>

-730<sup>6</sup>

-740<sup>6</sup>

-750<sup>6</sup>

-760<sup>6</sup>

-770<sup>6</sup>

-780<sup>6</sup>

-790<sup>6</sup>

-800<sup>6</sup>

-810<sup>6</sup>

-820<sup>6</sup>

-830<sup>6</sup>

-840<sup>6</sup>

-850<sup>6</sup>

-860<sup>6</sup>

-870<sup>6</sup>

-880<sup>6</sup>

-890<sup>6</sup>

-900<sup>6</sup>

-910<sup>6</sup>

-920<sup>6</sup>

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-1070<sup>6</sup>

-1080<sup>6</sup>

-1090<sup>6</sup>

-1100<sup>6</sup>

-1110<sup>6</sup>

-1120<sup>6</sup>

-1130<sup>6</sup>

-1140<sup>6</sup>

-1150<sup>6</sup>

-1160<sup>6</sup>

-1170<sup>6</sup>

-1180<sup>6</sup>

-1190<sup>6</sup>

-1200<sup>6</sup>

-1210<sup>6</sup>

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-1270<sup>6</sup>

-1280<sup>6</sup>

-1290<sup>6</sup>

-1300<sup>6</sup>

-1310<sup>6</sup>

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-1480<sup>6</sup>

-1490<sup>6</sup>

-1500<sup>6</sup>

-1510<sup>6</sup>

-1520<sup>6</sup>

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-1590<sup>6</sup>

-1600<sup>6</sup>

-1610<sup>6</sup>

-1620<sup>6</sup>

-1630<sup>6</sup>

-1640<sup>6</sup>

-1650<sup>6</sup>

-1660<sup>6</sup>

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-1700<sup>6</sup>

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-1750<sup>6</sup>

-1760<sup>6</sup>

-1770<sup>6</sup>

-1780<sup>6</sup>

-1790<sup>6</sup>

-1800<sup>6</sup>

-1810<sup>6</sup>

-1820<sup>6</sup>

-1830<sup>6</sup>

-1840<sup>6</sup>

-1850<sup>6</sup>

-1860<sup>6</sup>

-1870<sup>6</sup>

-1880<sup>6</sup>

-1890<sup>6</sup>

-1900<sup>6</sup>

-1910<sup>6</sup>

-1920<sup>6</sup>

-1930<sup>6</sup>

-1940<sup>6</sup>

-1950<sup>6</sup>

-1960<sup>6</sup>

-1970<sup>6</sup>

-1980<sup>6</sup>

-1990<sup>6</sup>

-2000<sup>6</sup>

-2010<sup>6</sup>

-2020<sup>6</sup>

-2030<sup>6</sup>

-2040<sup>6</sup>

-2050<sup>6</sup>

-2060<sup>6</sup>

-2070<sup>6</sup>

-2080<sup>6</sup>

-2090<sup>6</sup>

-2100<sup>6</sup>

-2110<sup>6</sup>

-2120<sup>6</sup>

-2130<sup>6</sup>

-2140<sup>6</sup>

-2150<sup>6</sup>

-2160<sup>6</sup>

-2170<sup>6</sup>

-2180<sup>6</sup>

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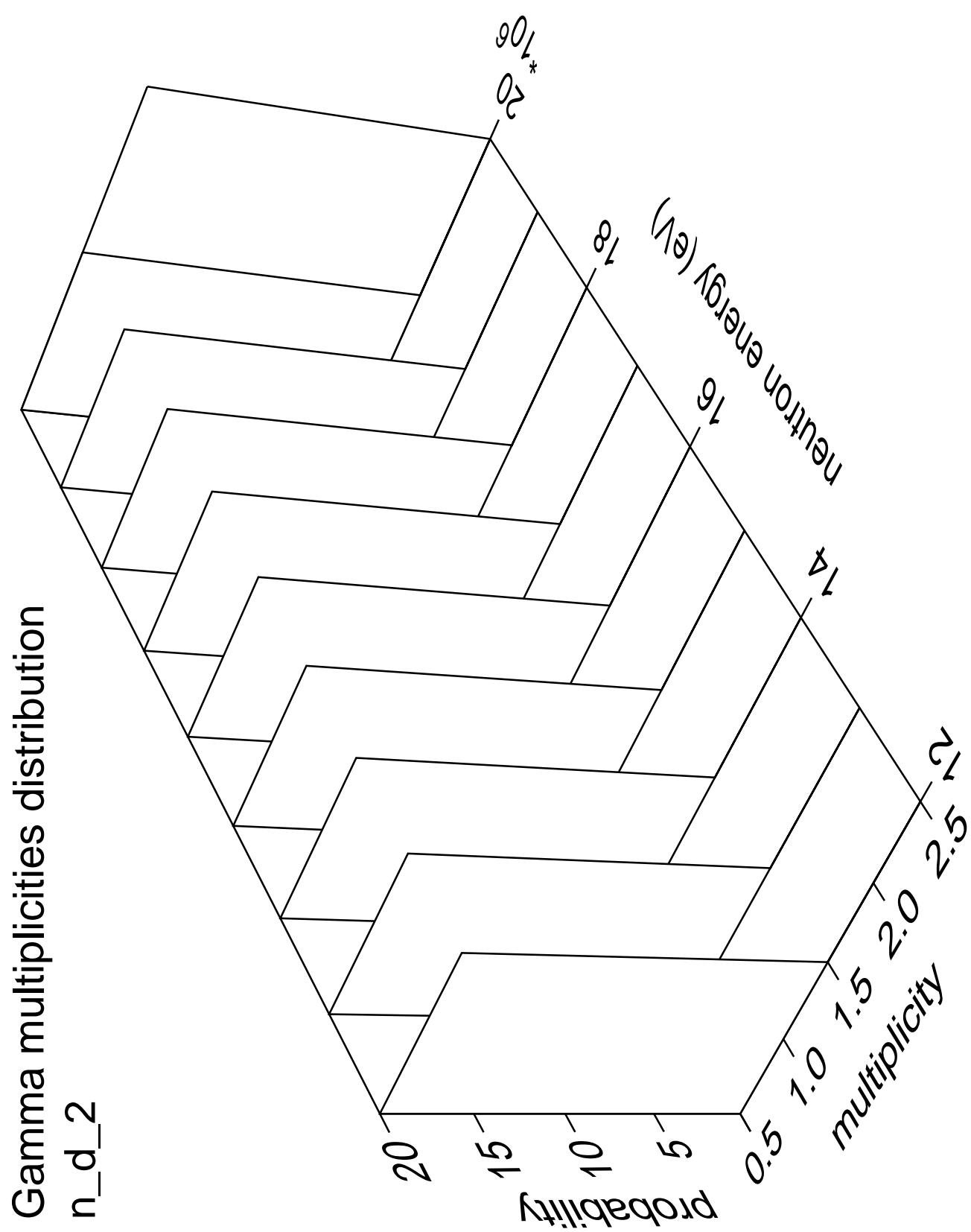
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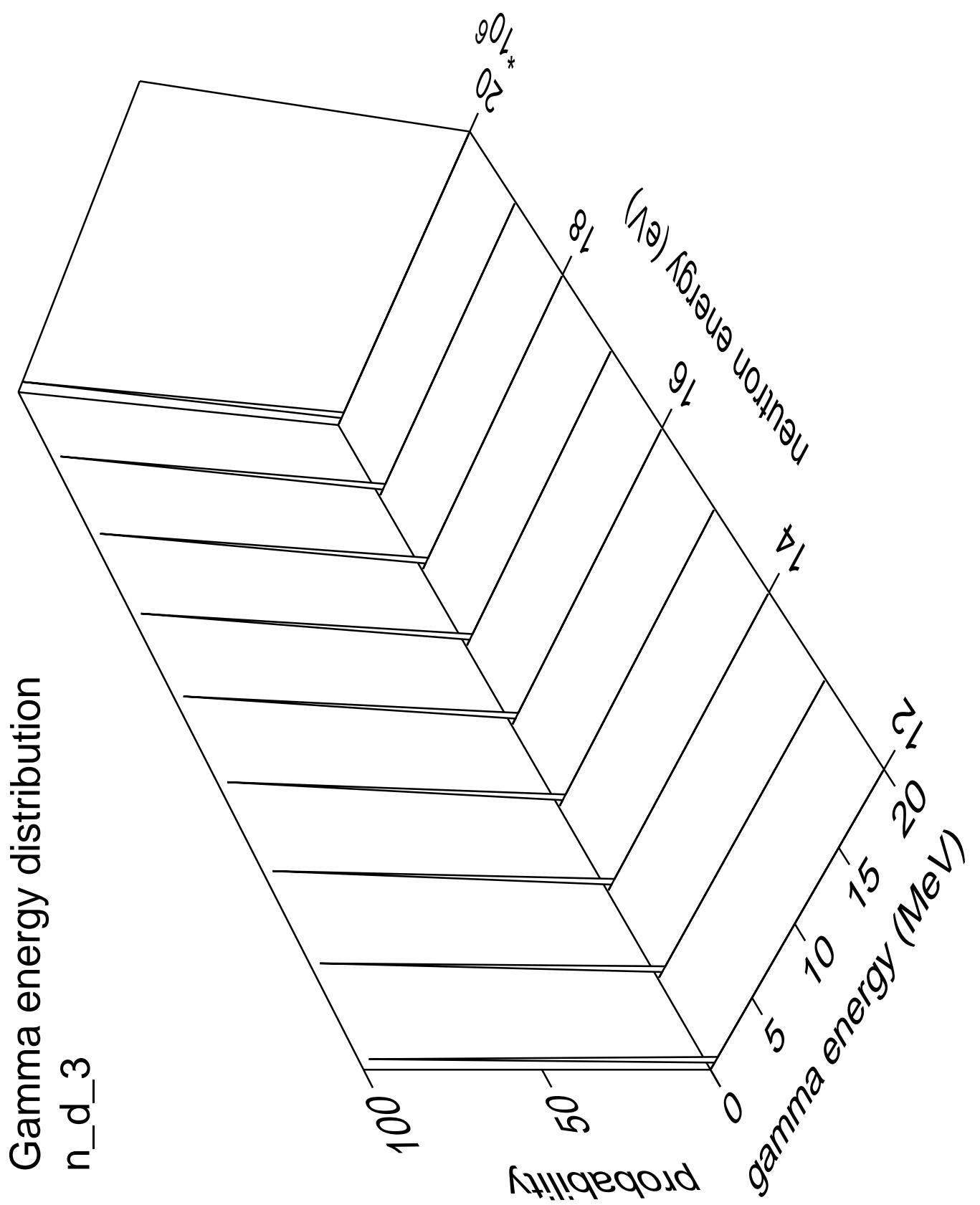
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-2280<sup>6</sup>

-2290<sup>6</sup>





Gamma angles distribution

$n_d_3$

Probability

$10^0$

$\cos(\theta)$

1.0

0.5

0.0

-0.5

-1.0

Neutron energy ( $eV$ )

$10^6$

$10^5$

$10^4$

$10^3$

$10^2$

$10^1$

$10^0$

$10^{-1}$

$10^{-2}$

$10^{-3}$

$10^{-4}$

$10^{-5}$

$10^{-6}$

$10^{-7}$

$10^{-8}$

$10^{-9}$

$10^{-10}$

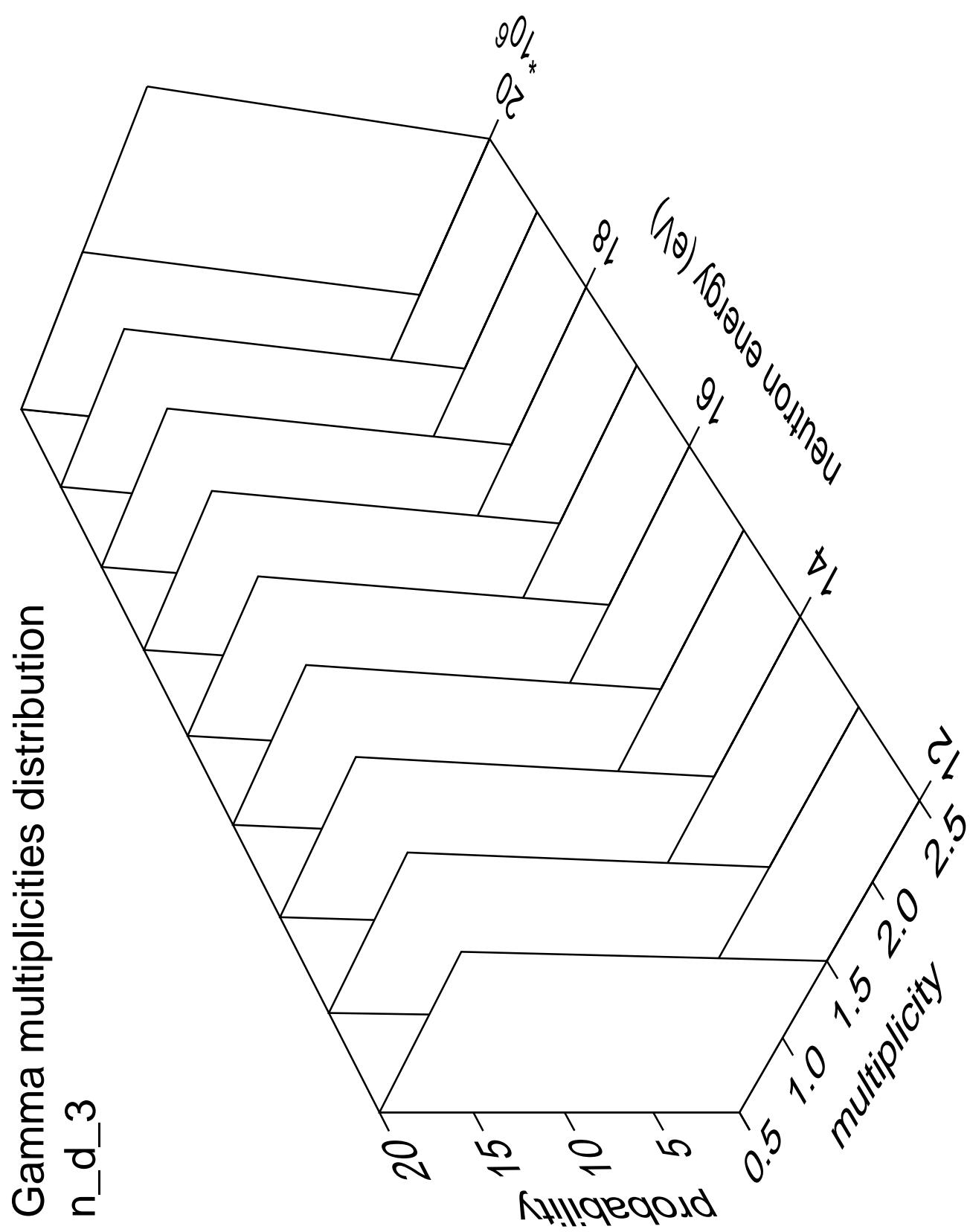
$10^{-11}$

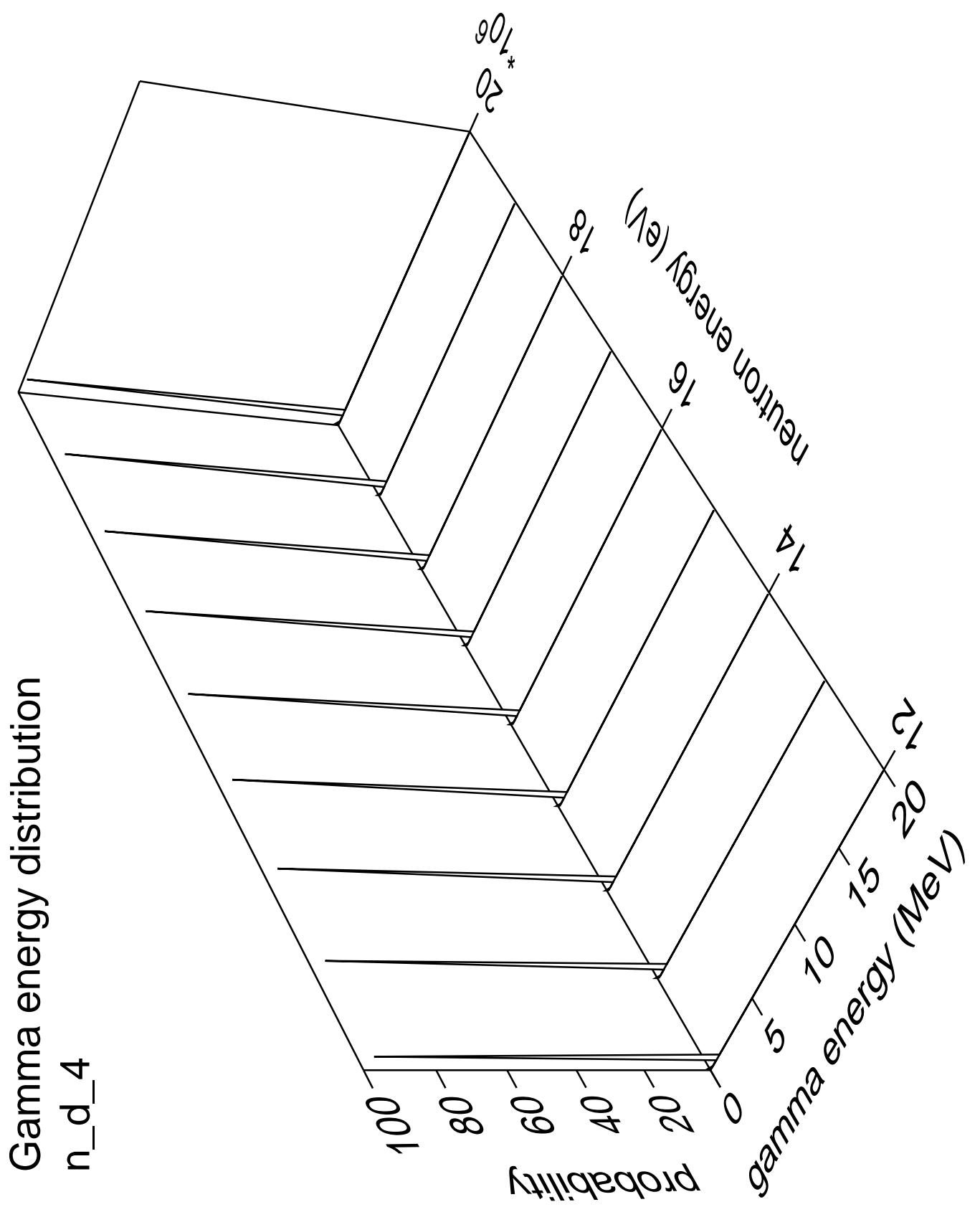
$10^{-12}$

$10^{-13}$

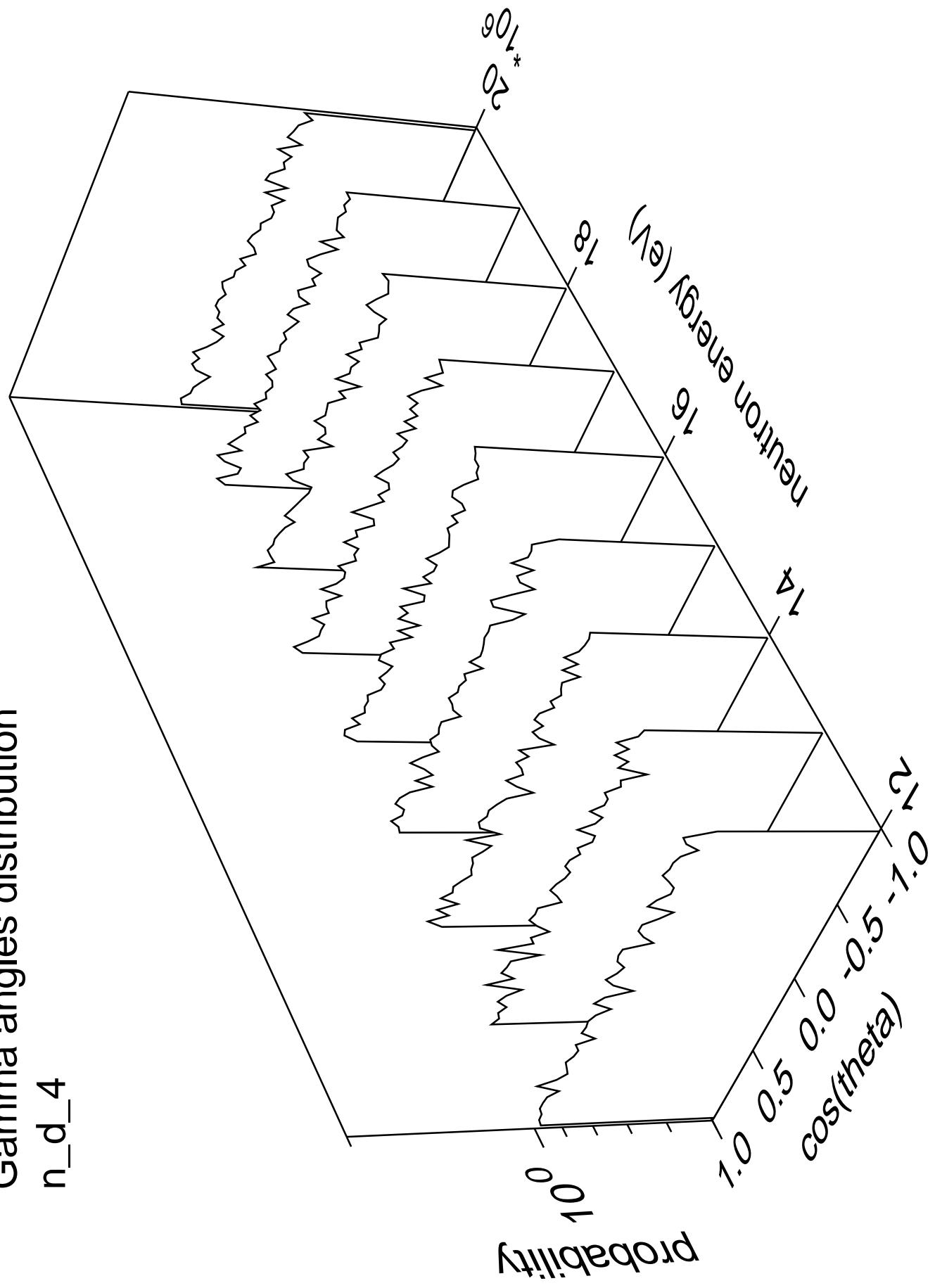
$10^{-14}$

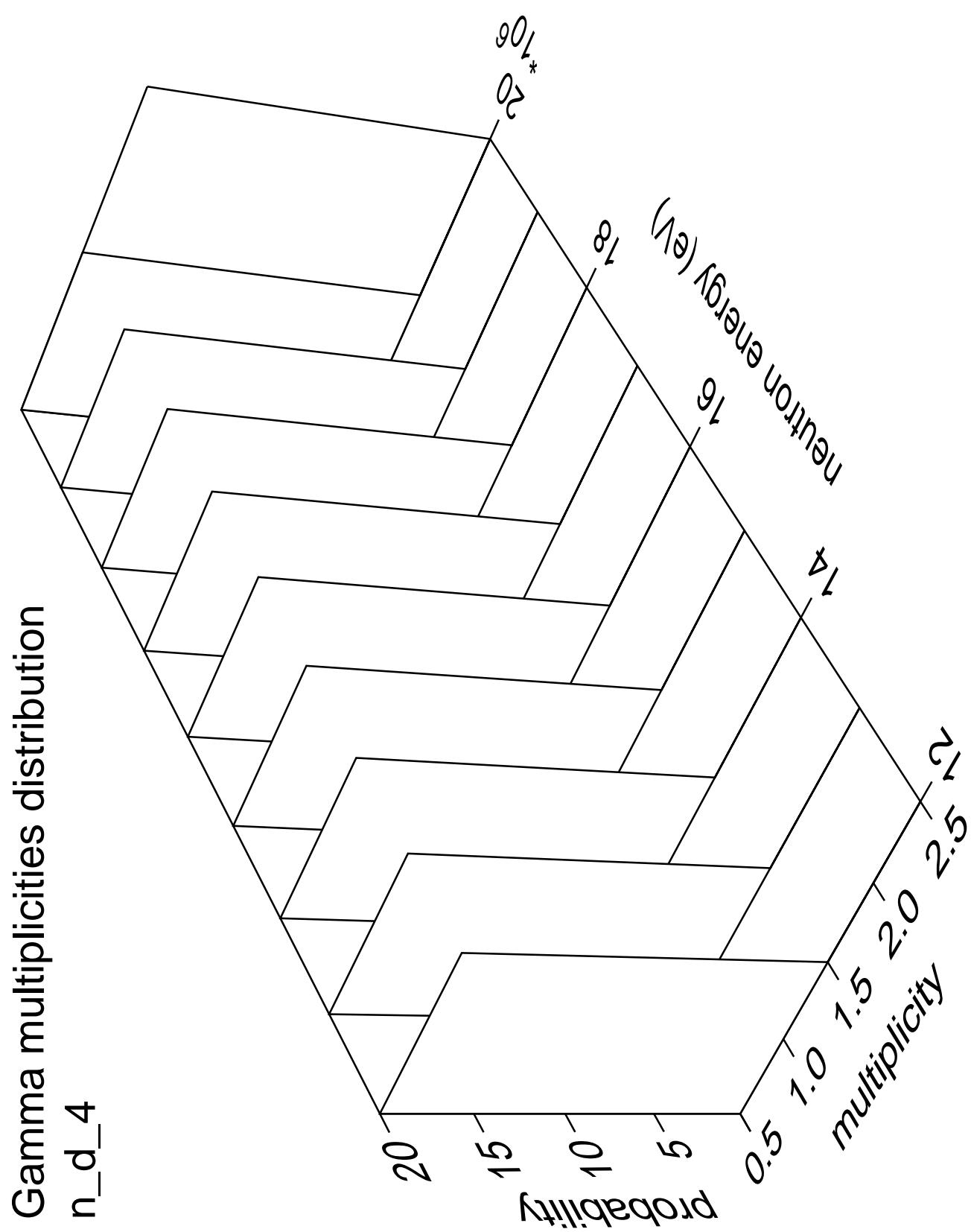
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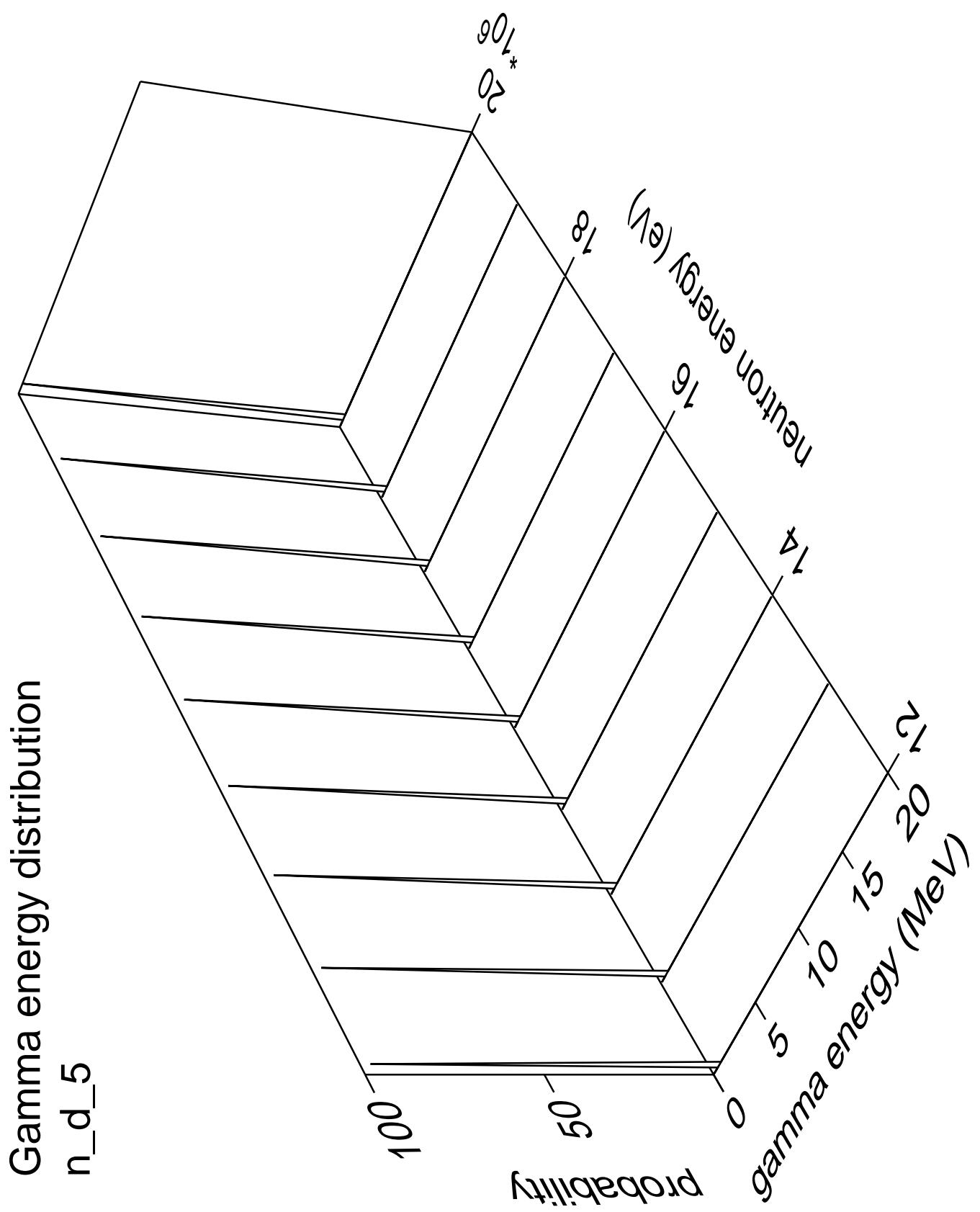




Gamma angles distribution  
n\_d\_4

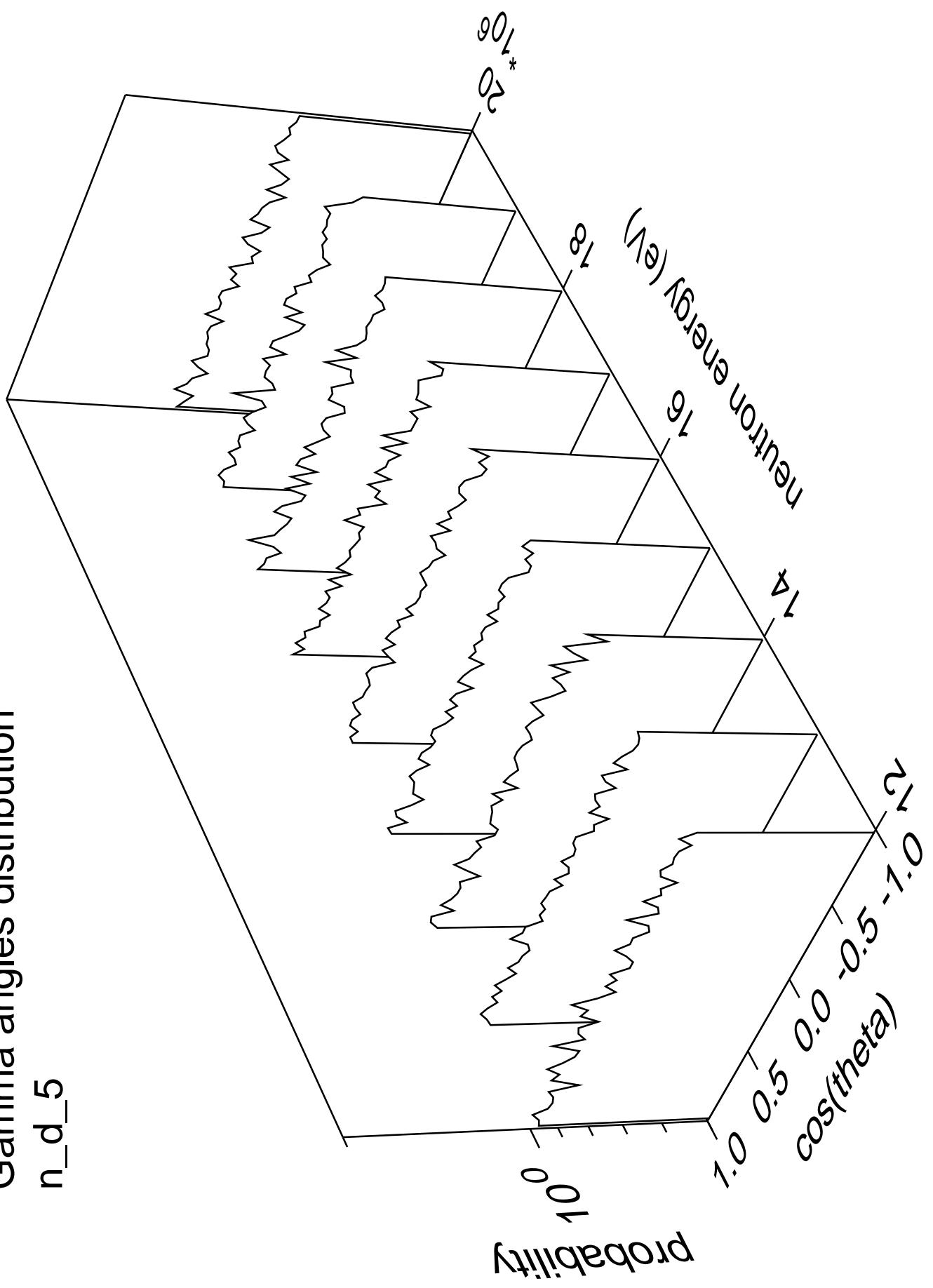


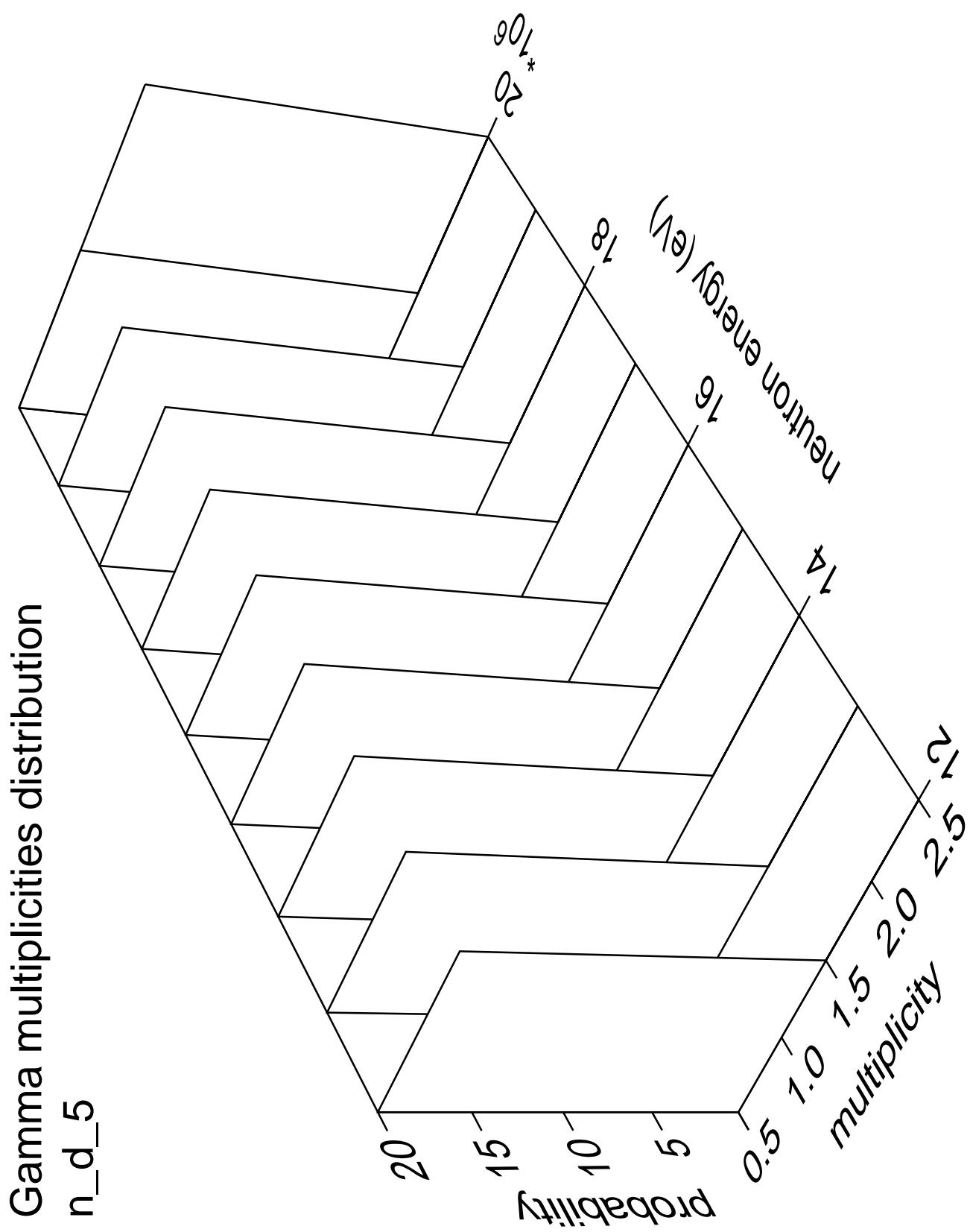


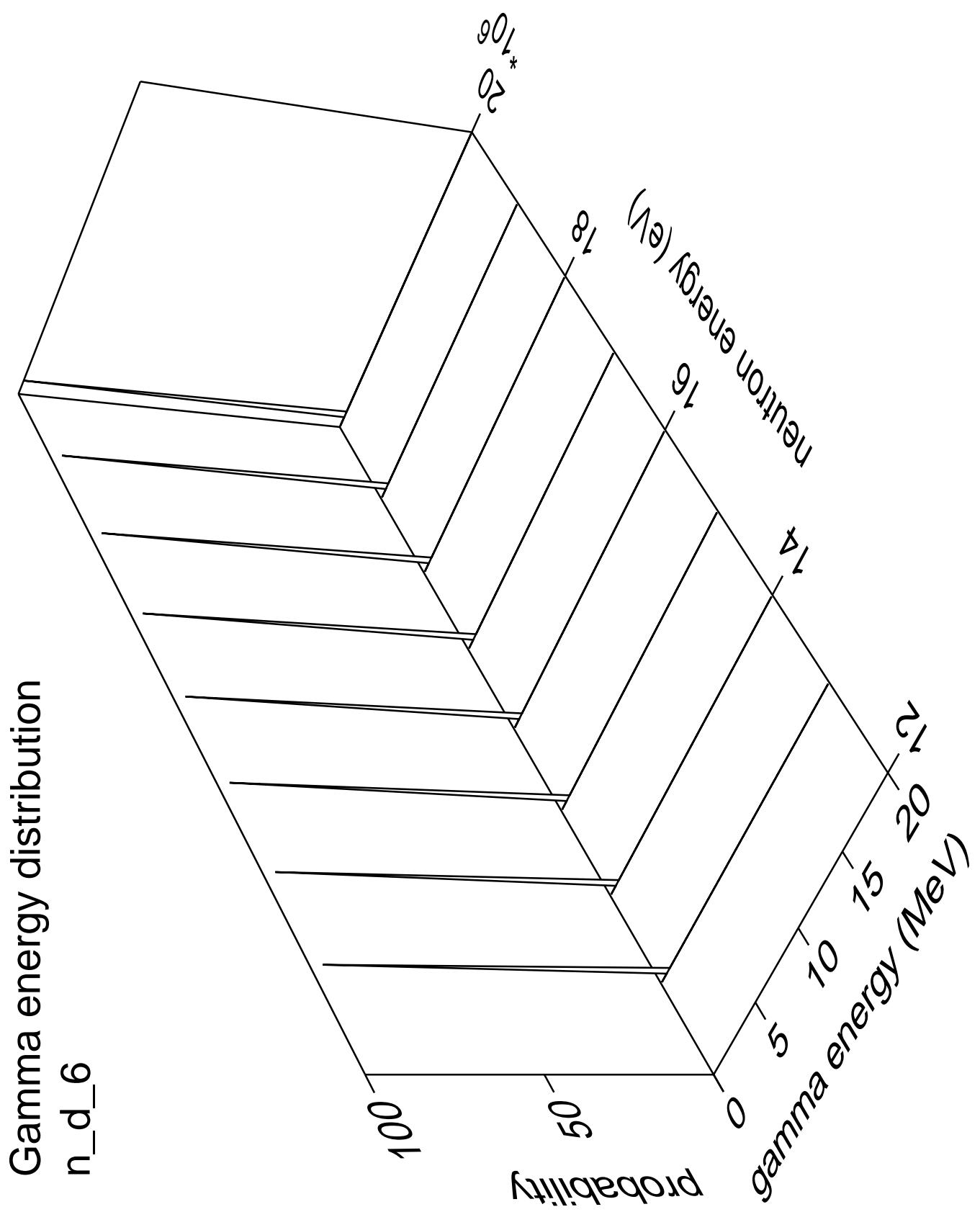


Gamma angles distribution

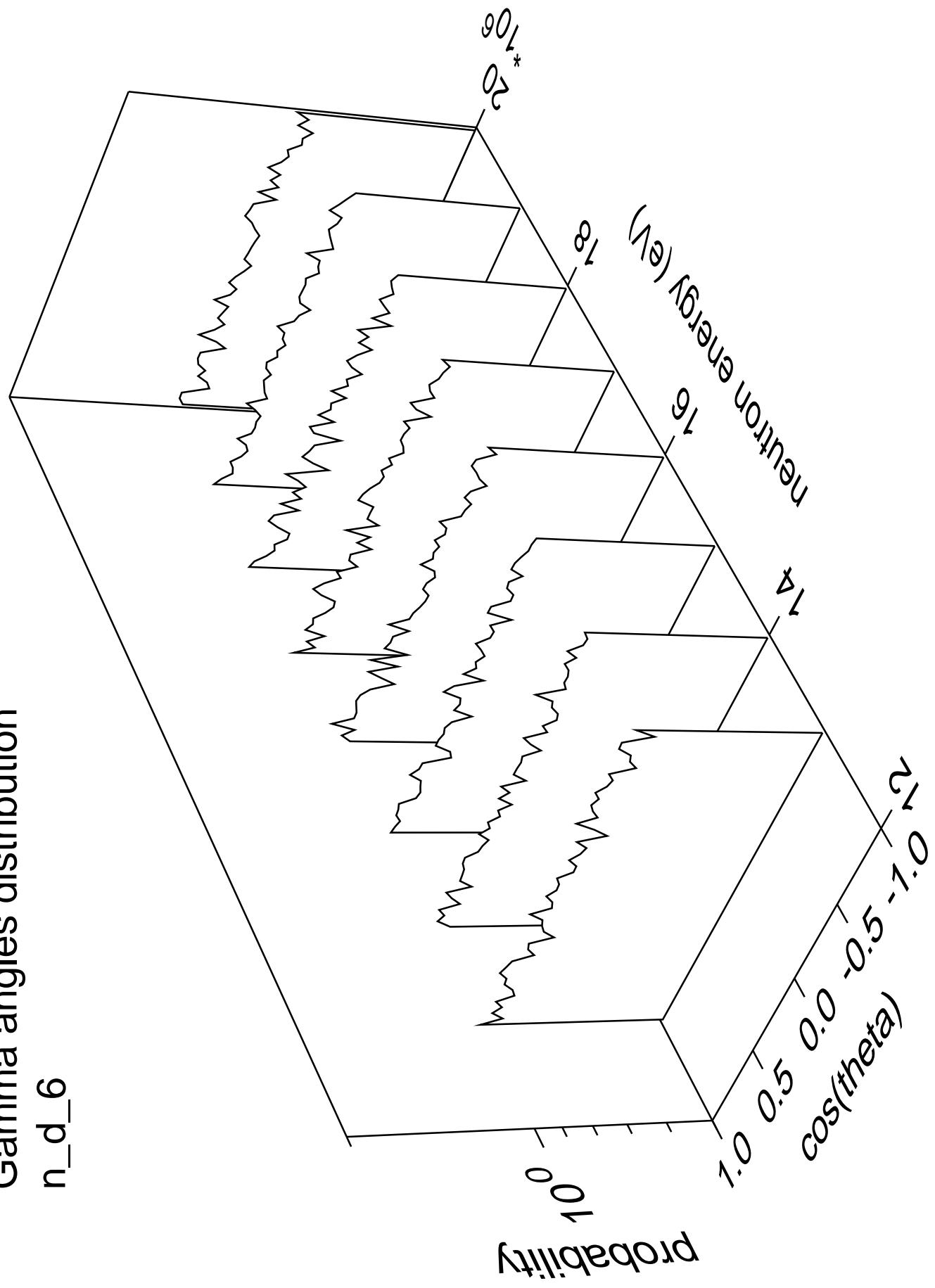
n\_d\_5

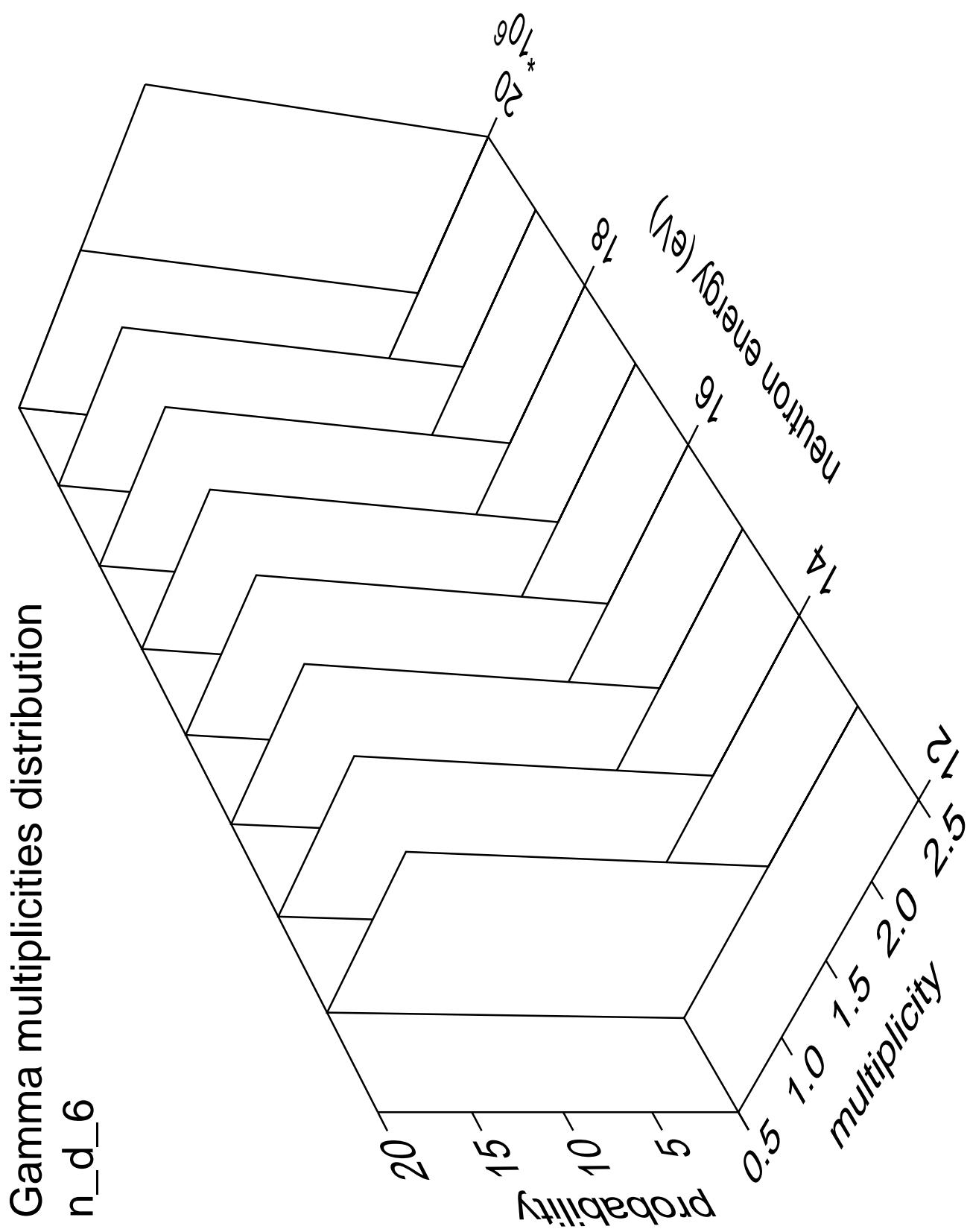


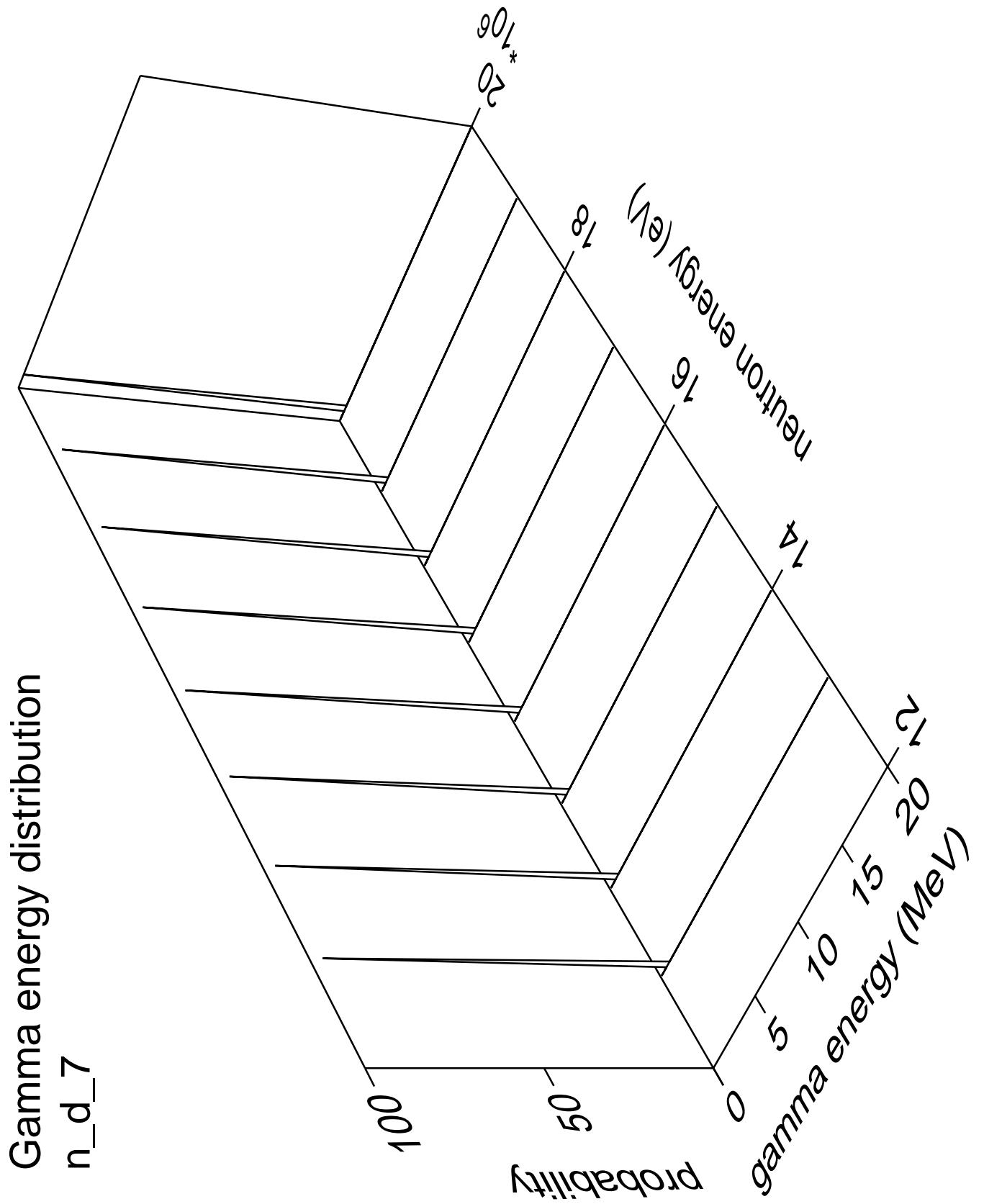




Gamma angles distribution  
n\_d\_6

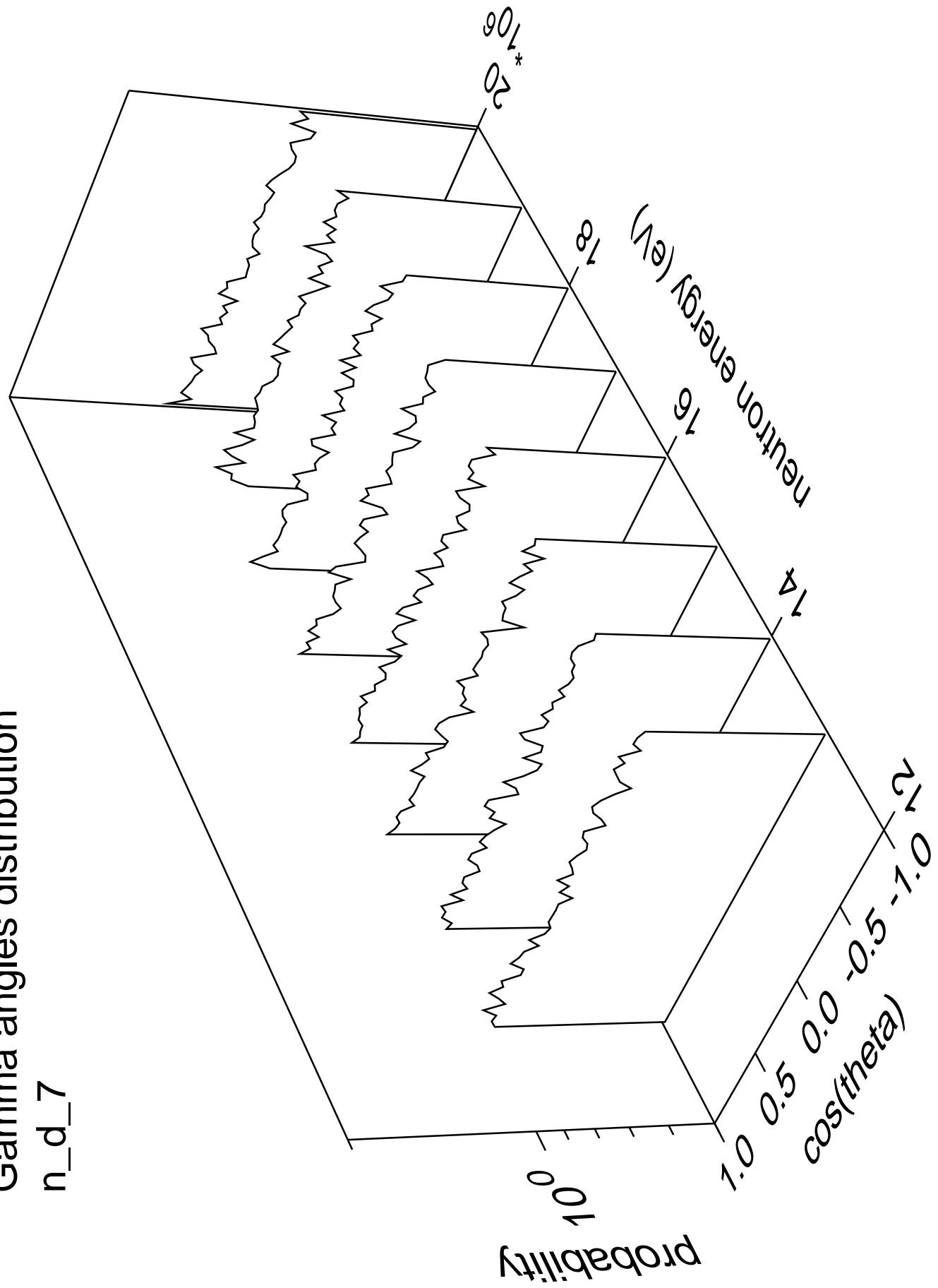


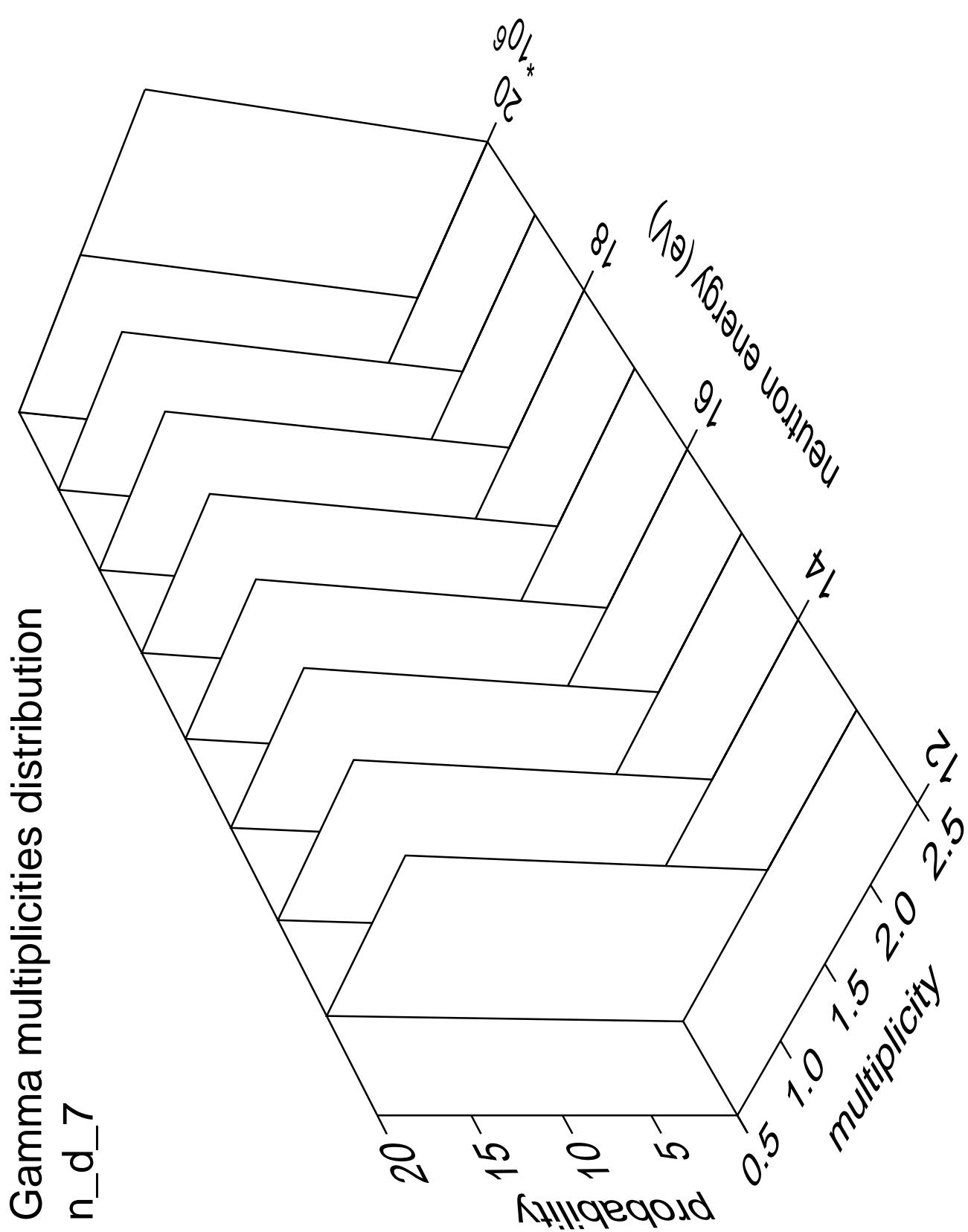


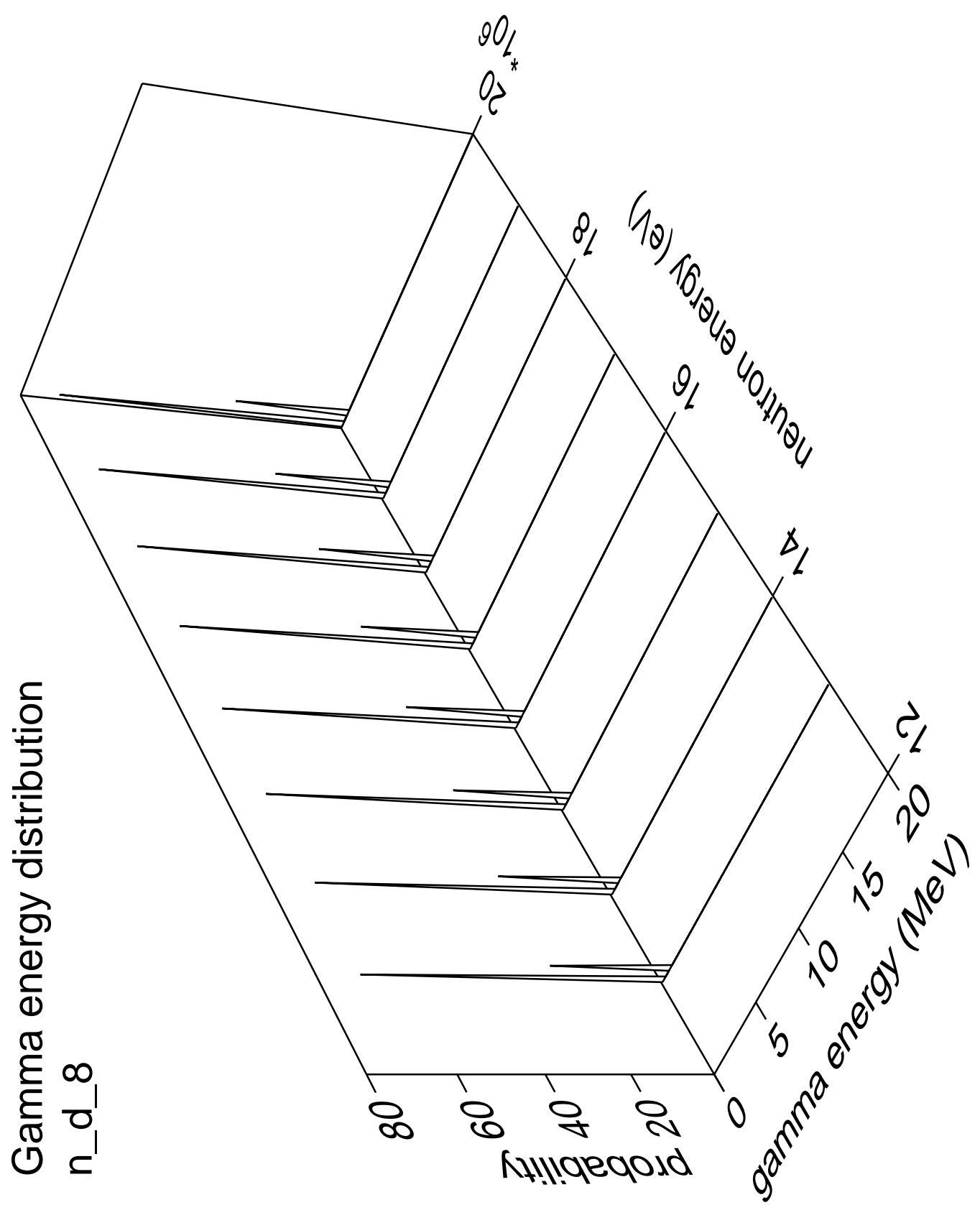


# Gamma angles distribution

`n_d_7`







Gamma angles distribution  
 $n_{d\_8}$

