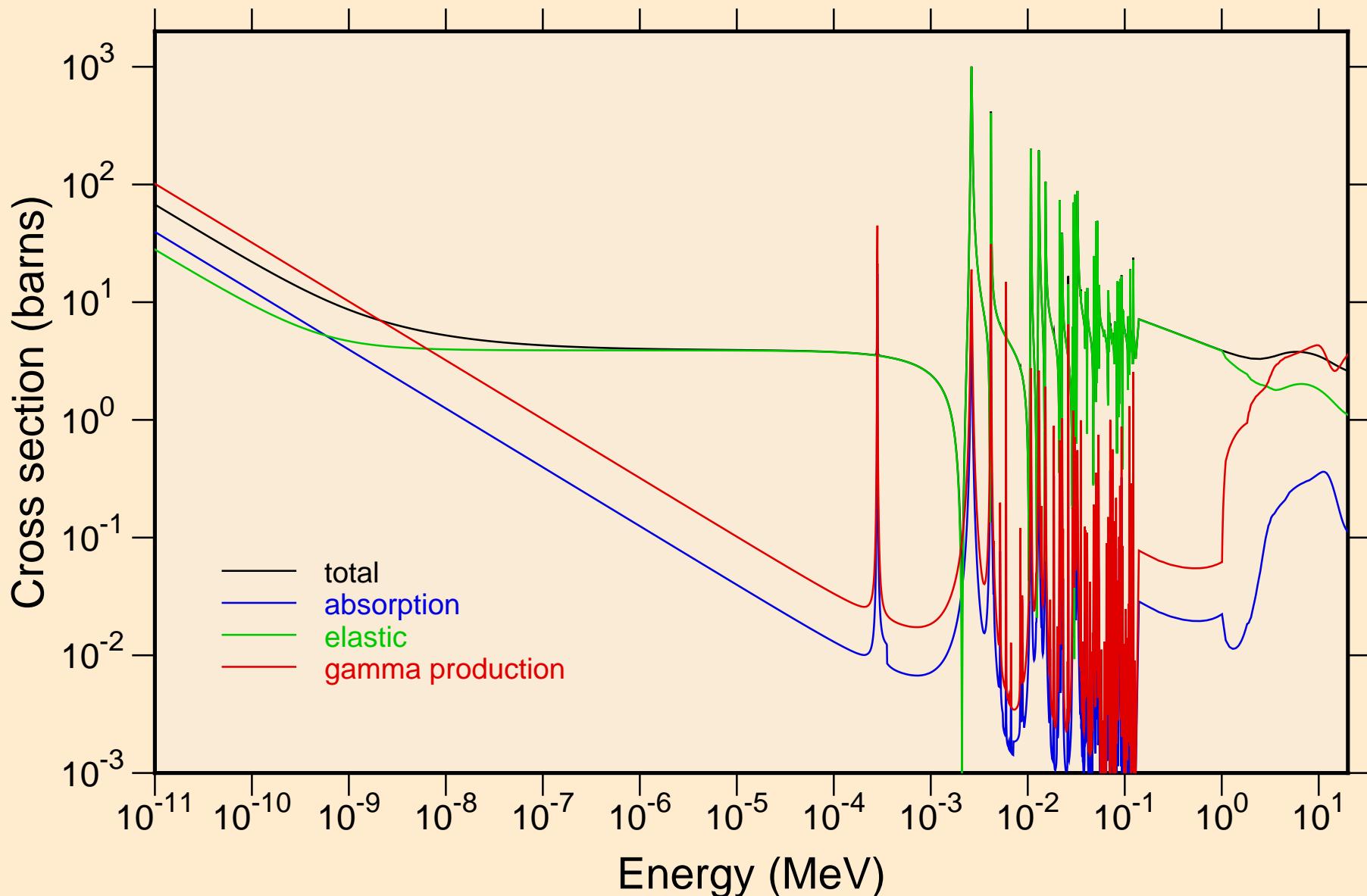
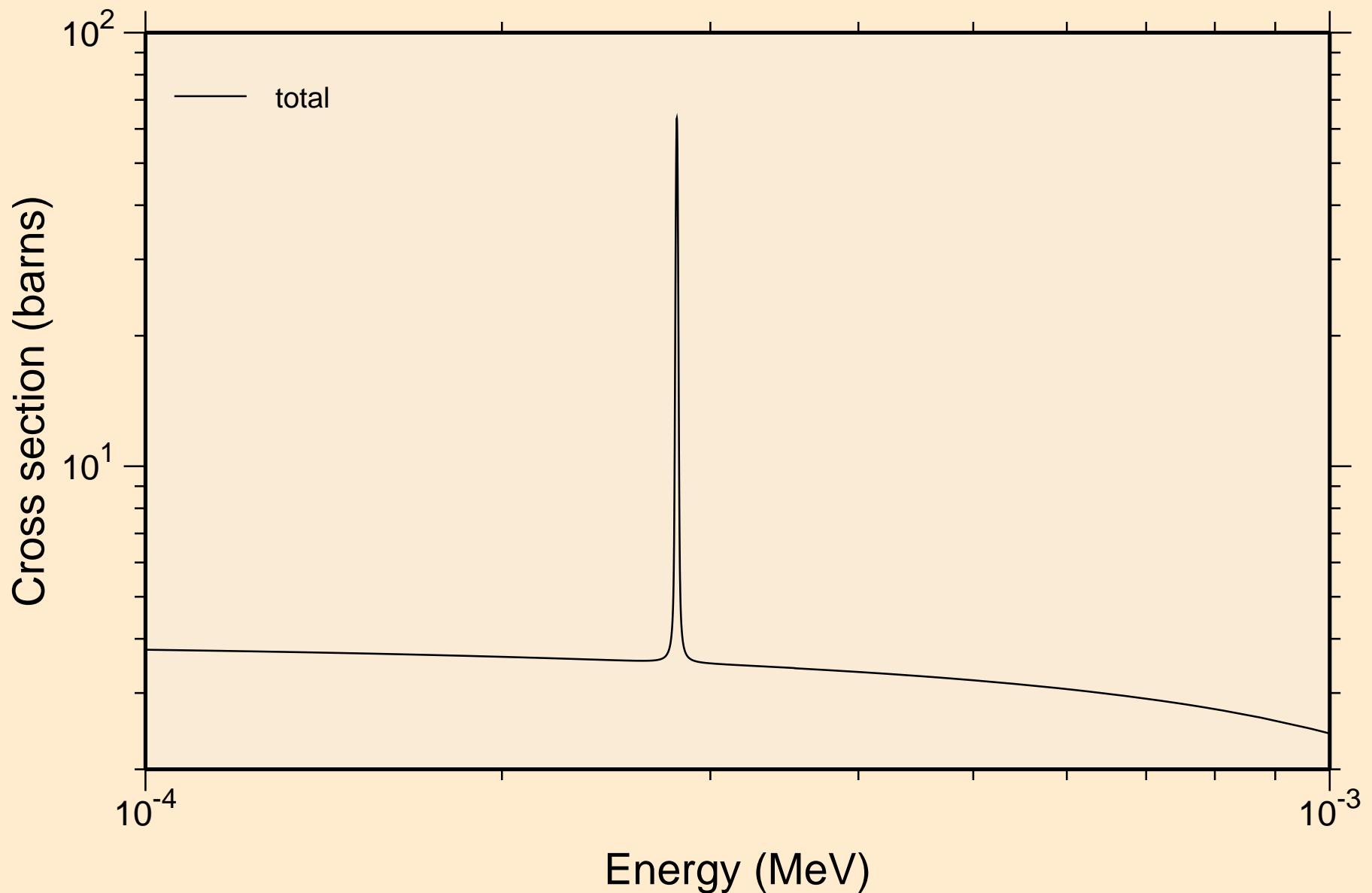


# ENDF/B-VII.1 ZN-64

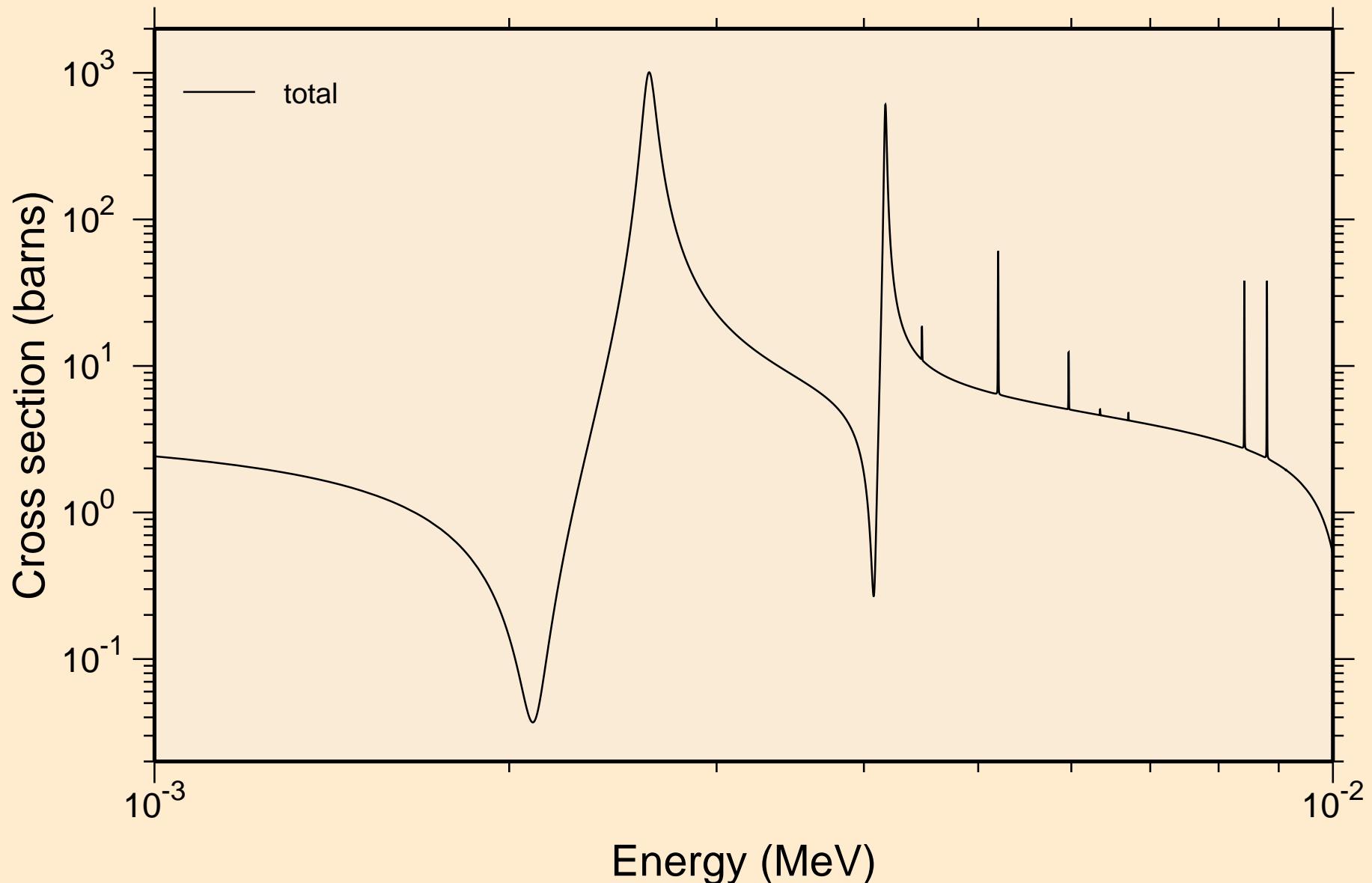
## Principal cross sections



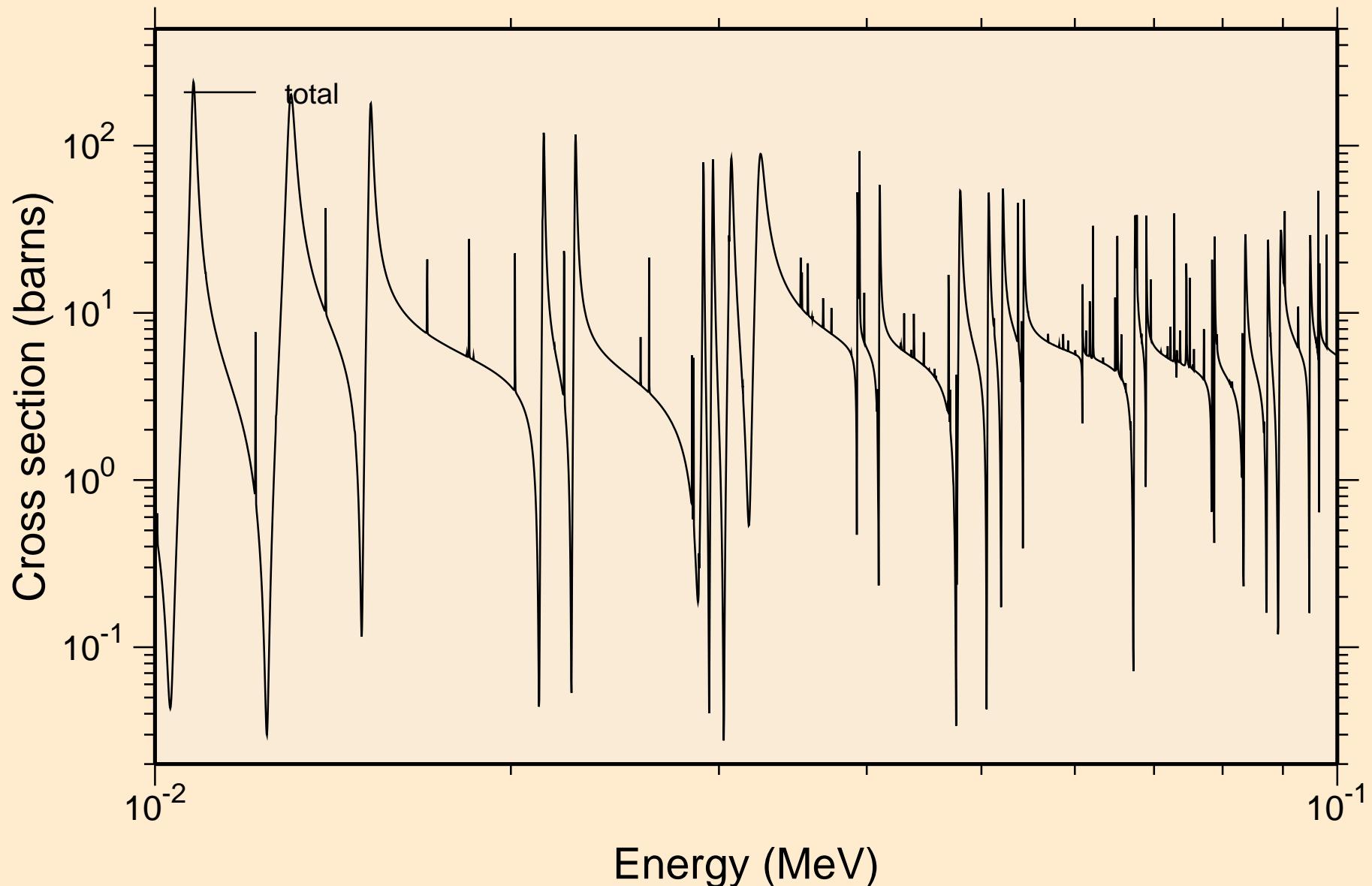
ENDF/B-VII.1 ZN-64  
resonance total cross section



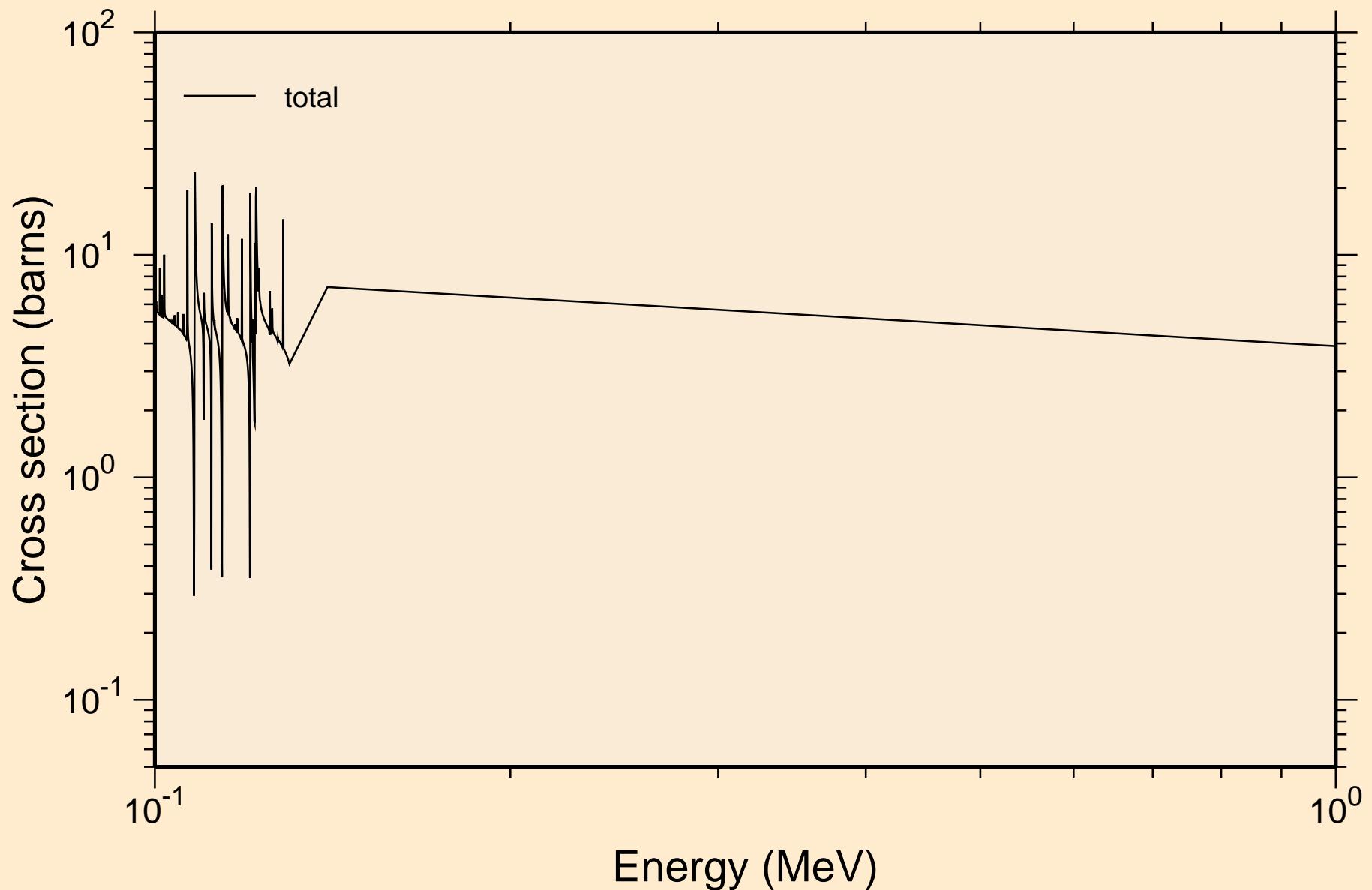
ENDF/B-VII.1 ZN-64  
resonance total cross section



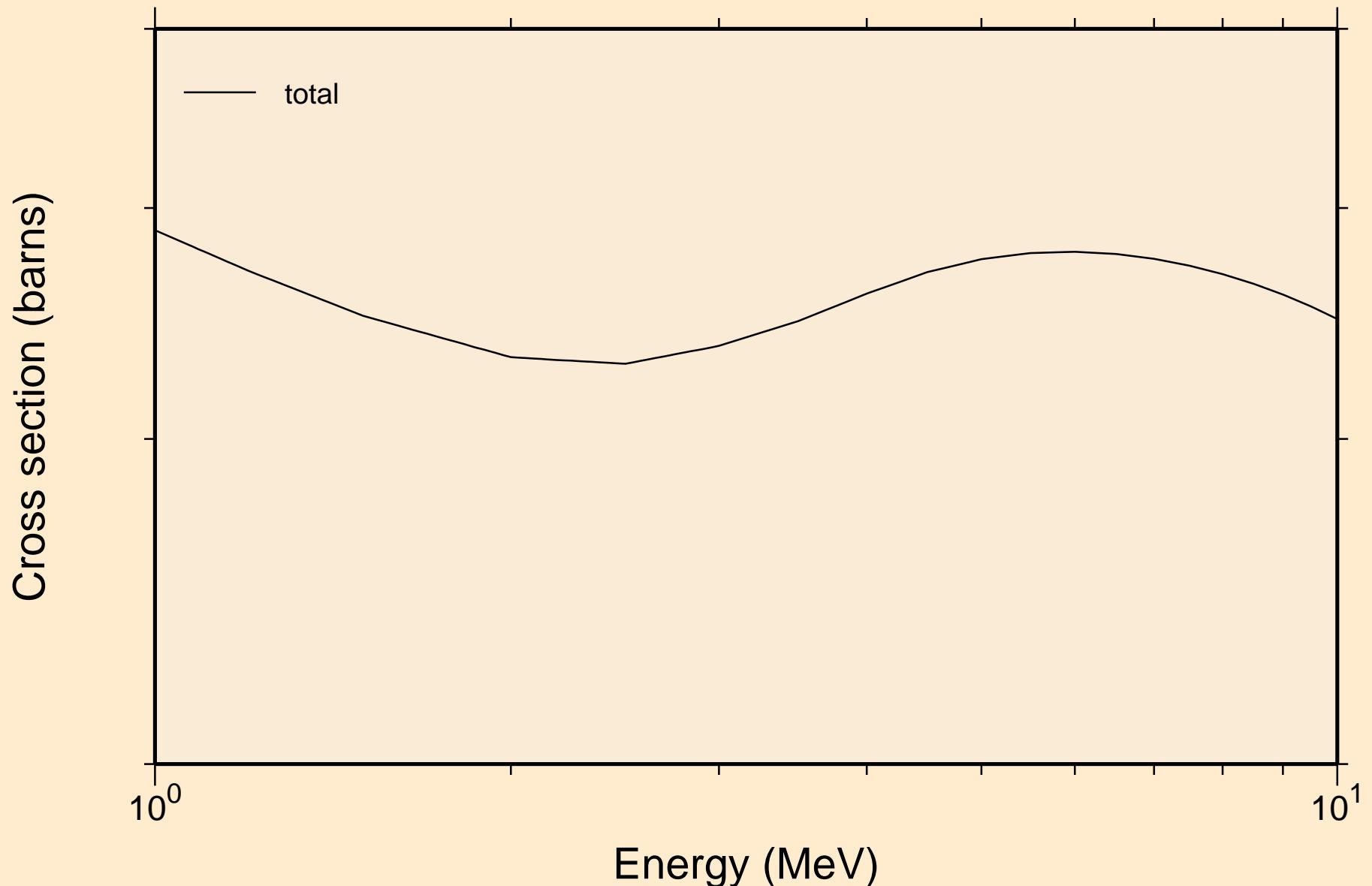
ENDF/B-VII.1 ZN-64  
resonance total cross section



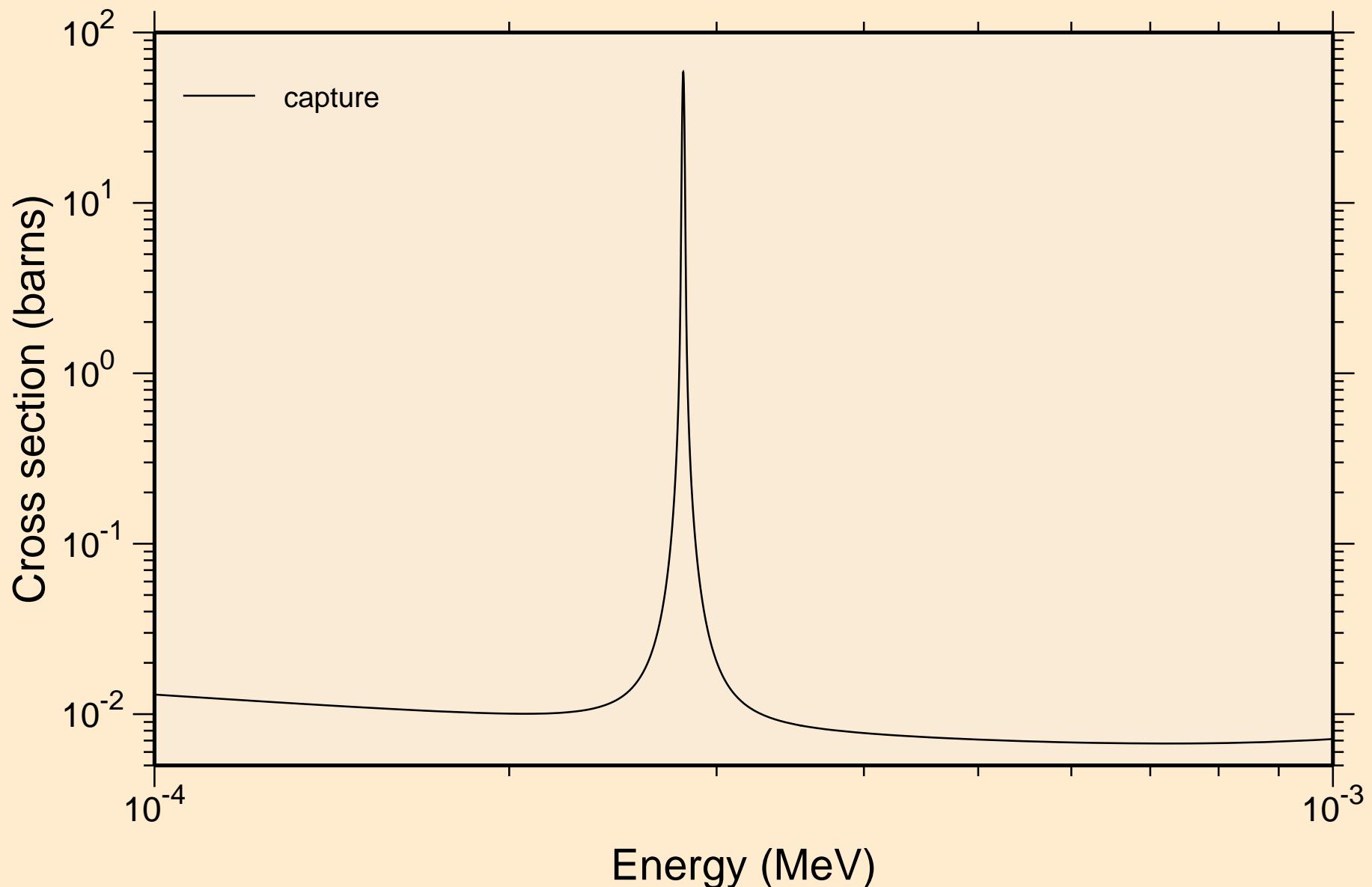
ENDF/B-VII.1 ZN-64  
resonance total cross section



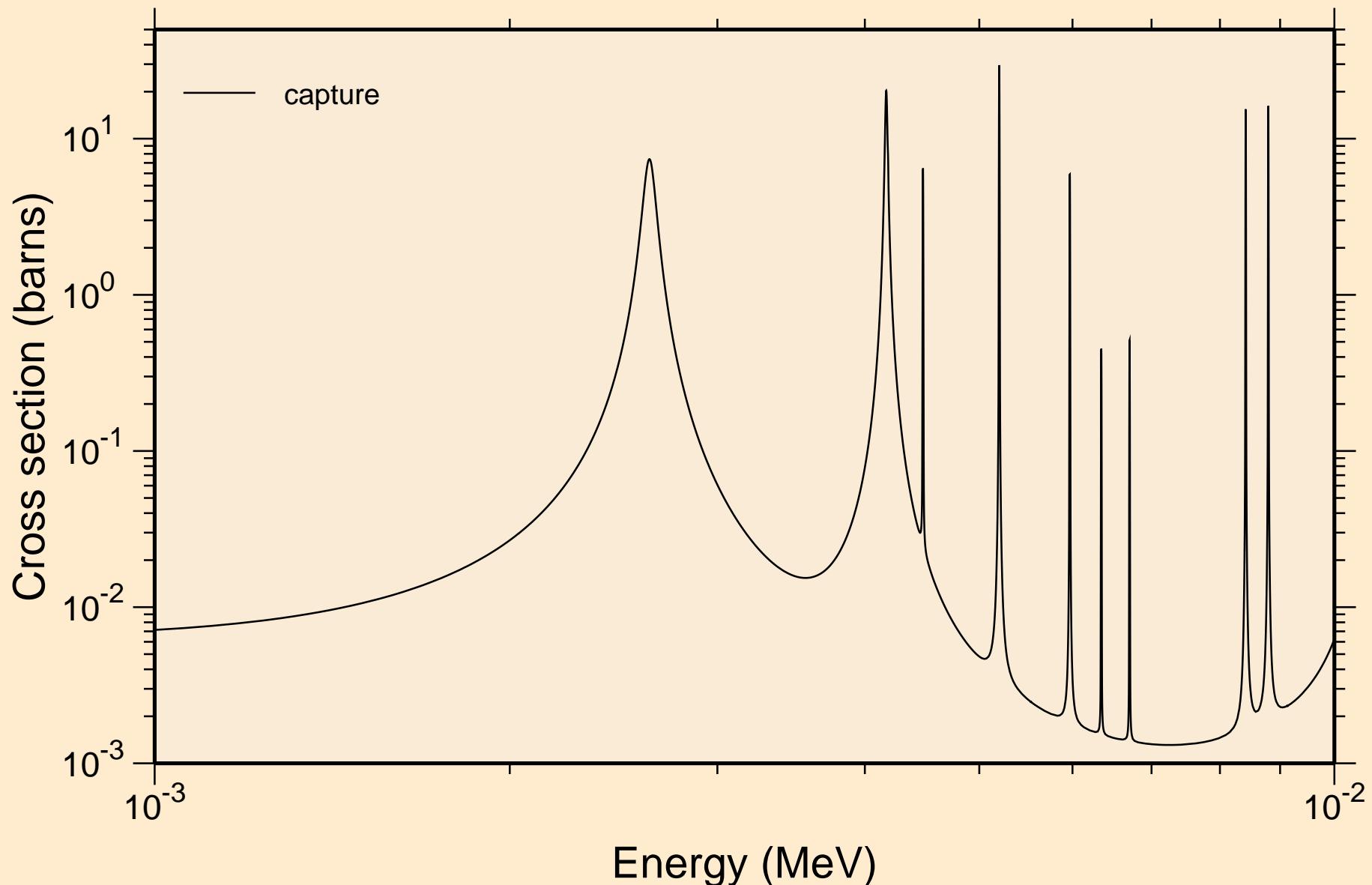
ENDF/B-VII.1 ZN-64  
resonance total cross section



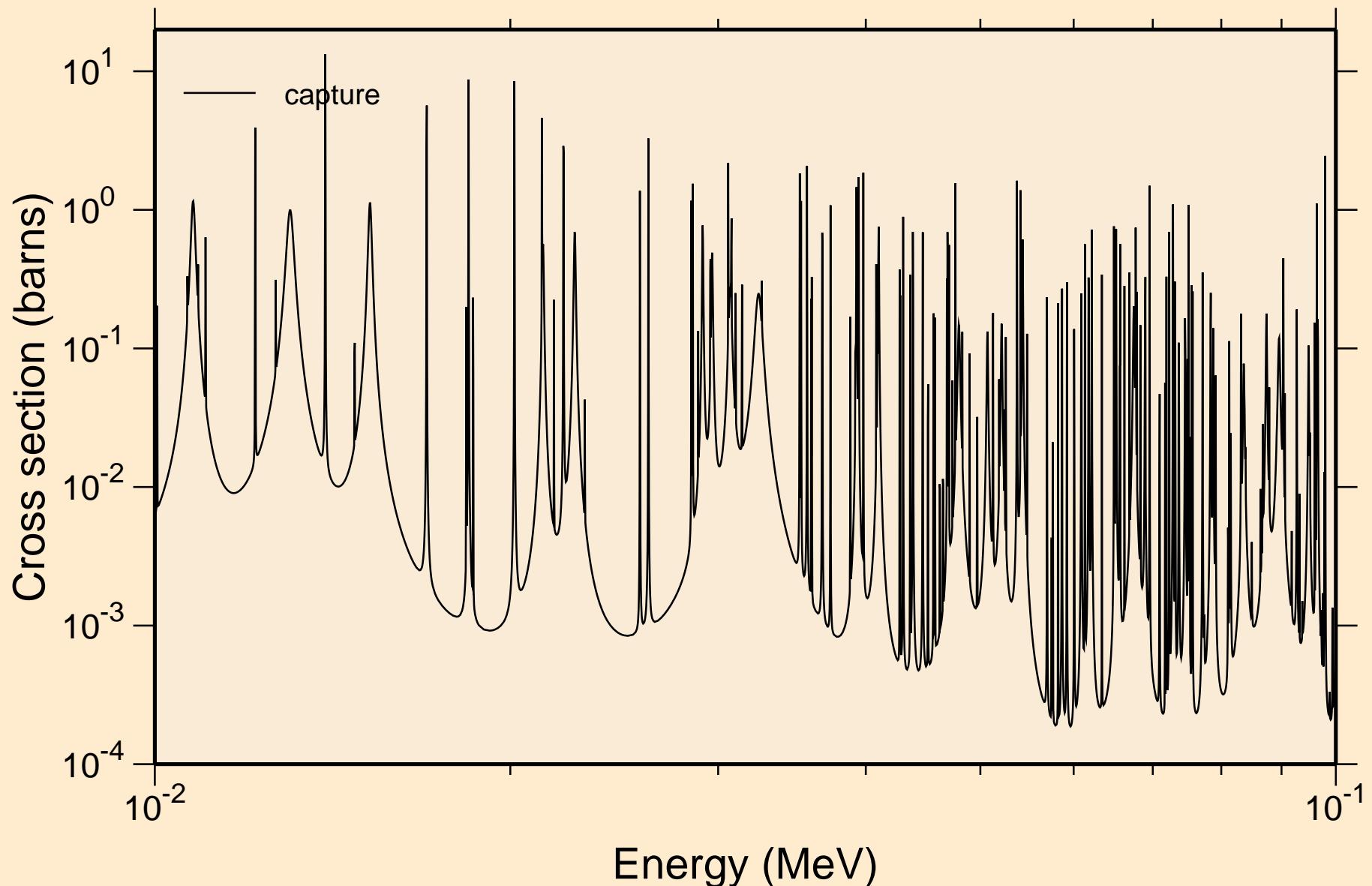
ENDF/B-VII.1 ZN-64  
resonance absorption cross sections



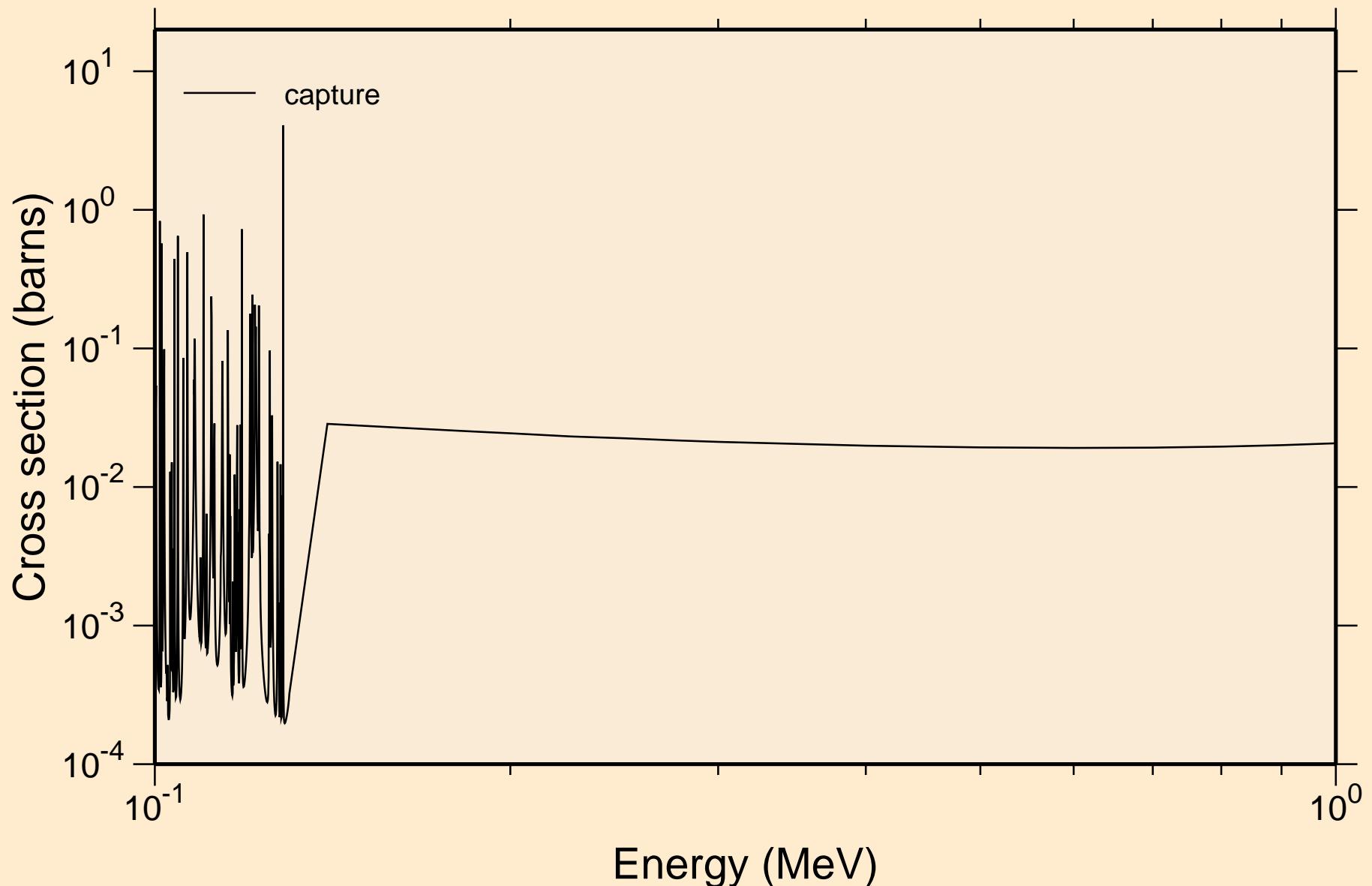
ENDF/B-VII.1 ZN-64  
resonance absorption cross sections



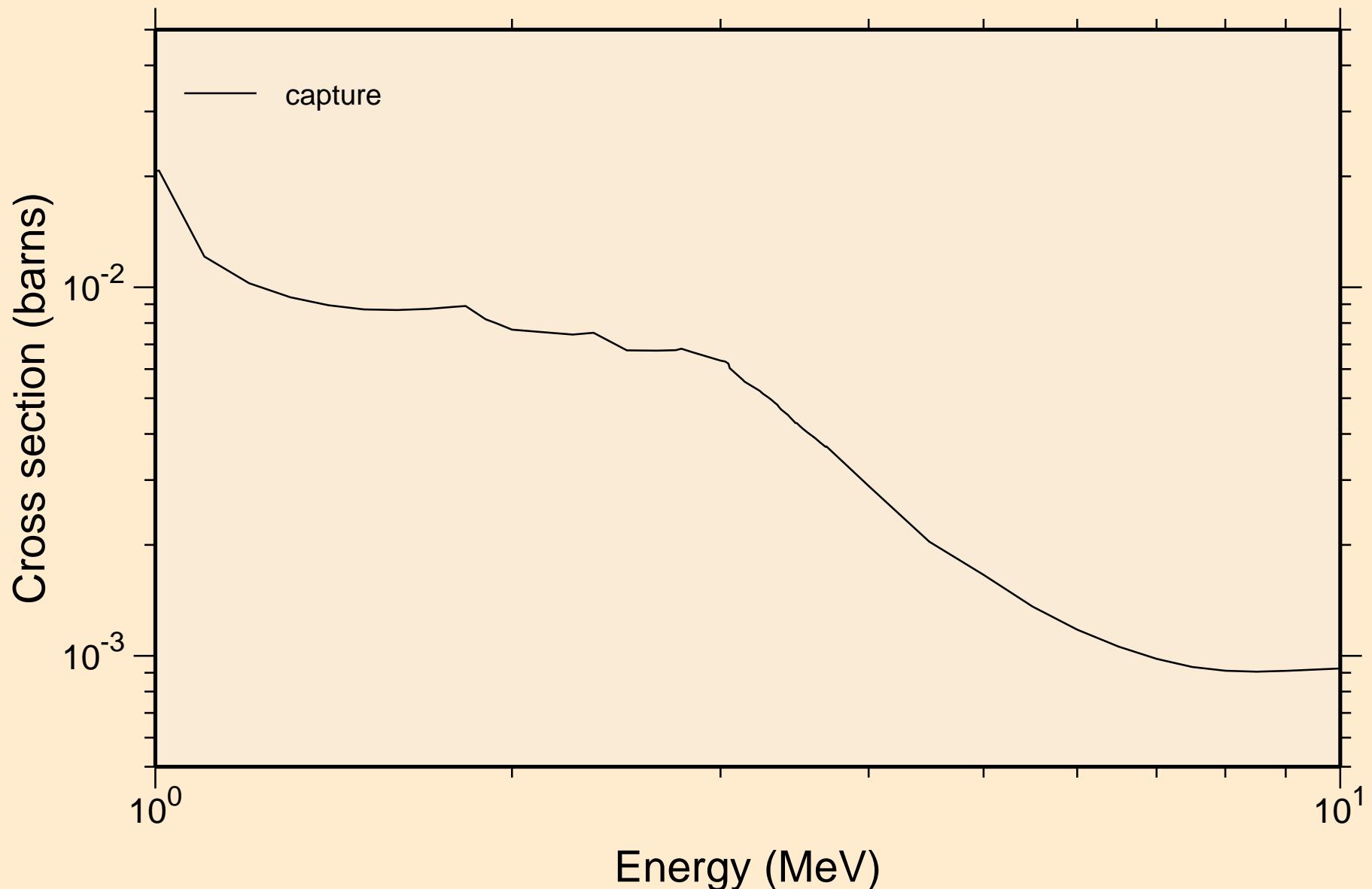
ENDF/B-VII.1 ZN-64  
resonance absorption cross sections



ENDF/B-VII.1 ZN-64  
resonance absorption cross sections

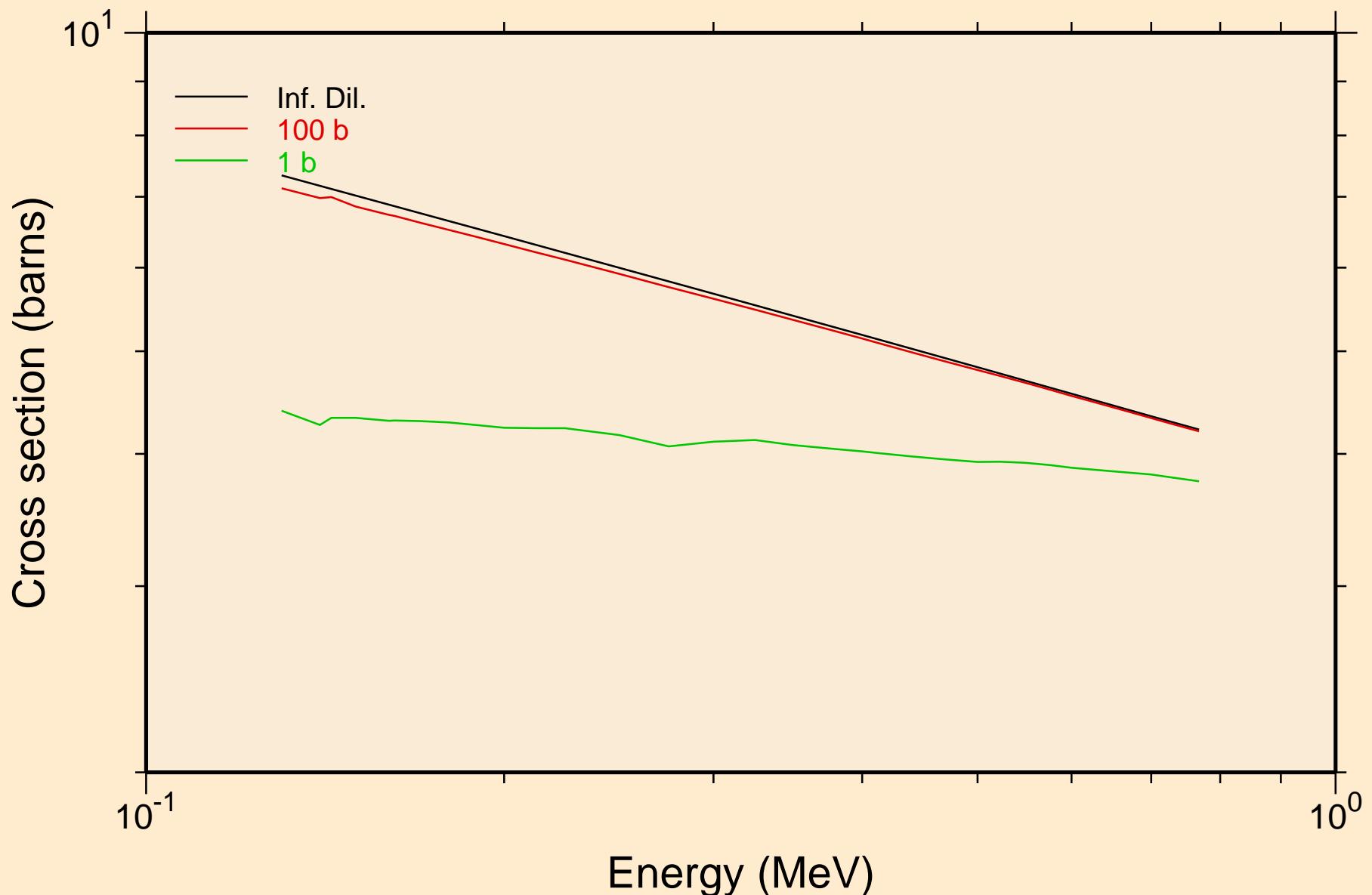


ENDF/B-VII.1 ZN-64  
resonance absorption cross sections

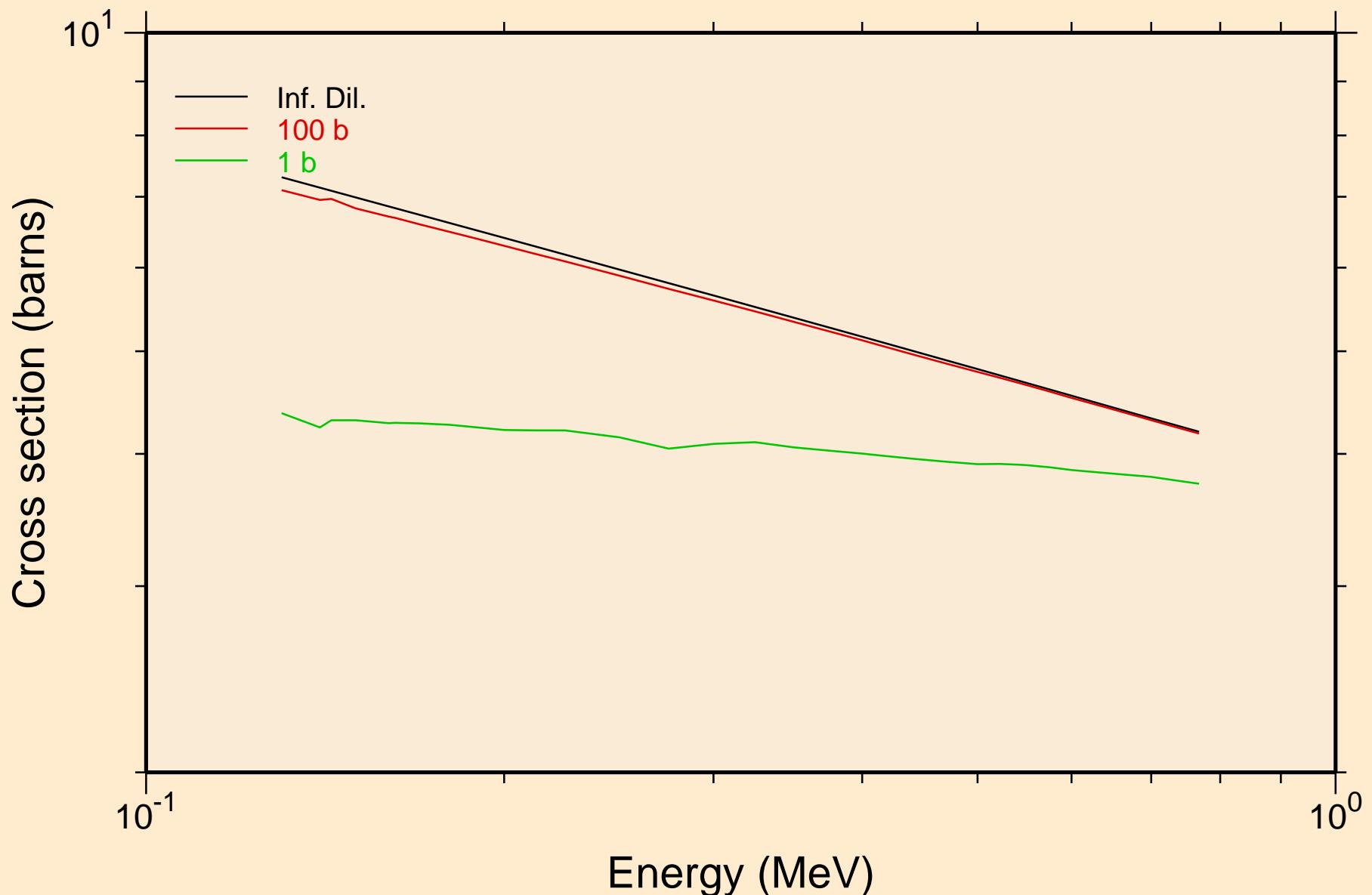


# ENDF/B-VII.1 ZN-64

## UR total cross section

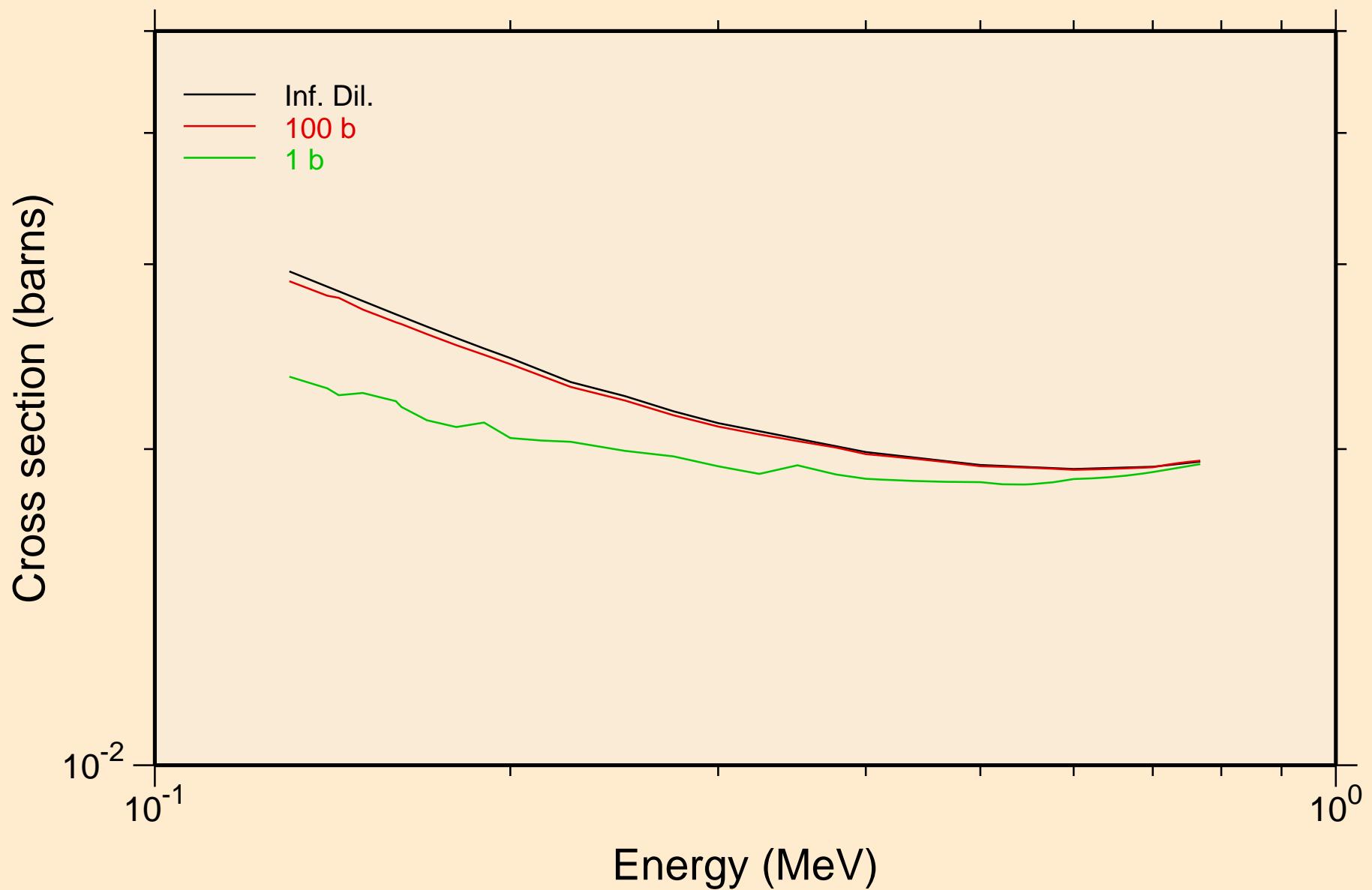


ENDF/B-VII.1 ZN-64  
UR elastic cross section

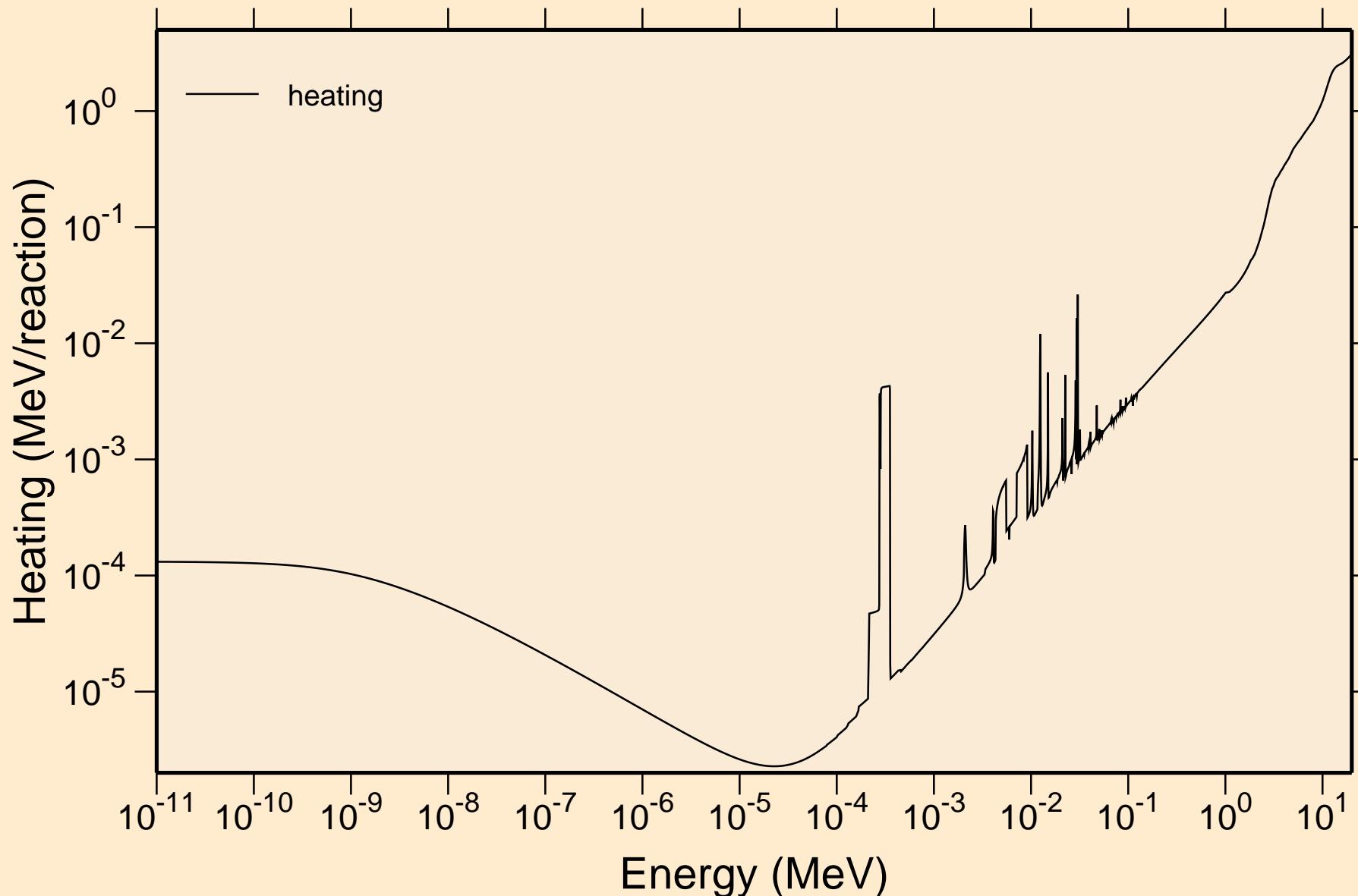


# ENDF/B-VII.1 ZN-64

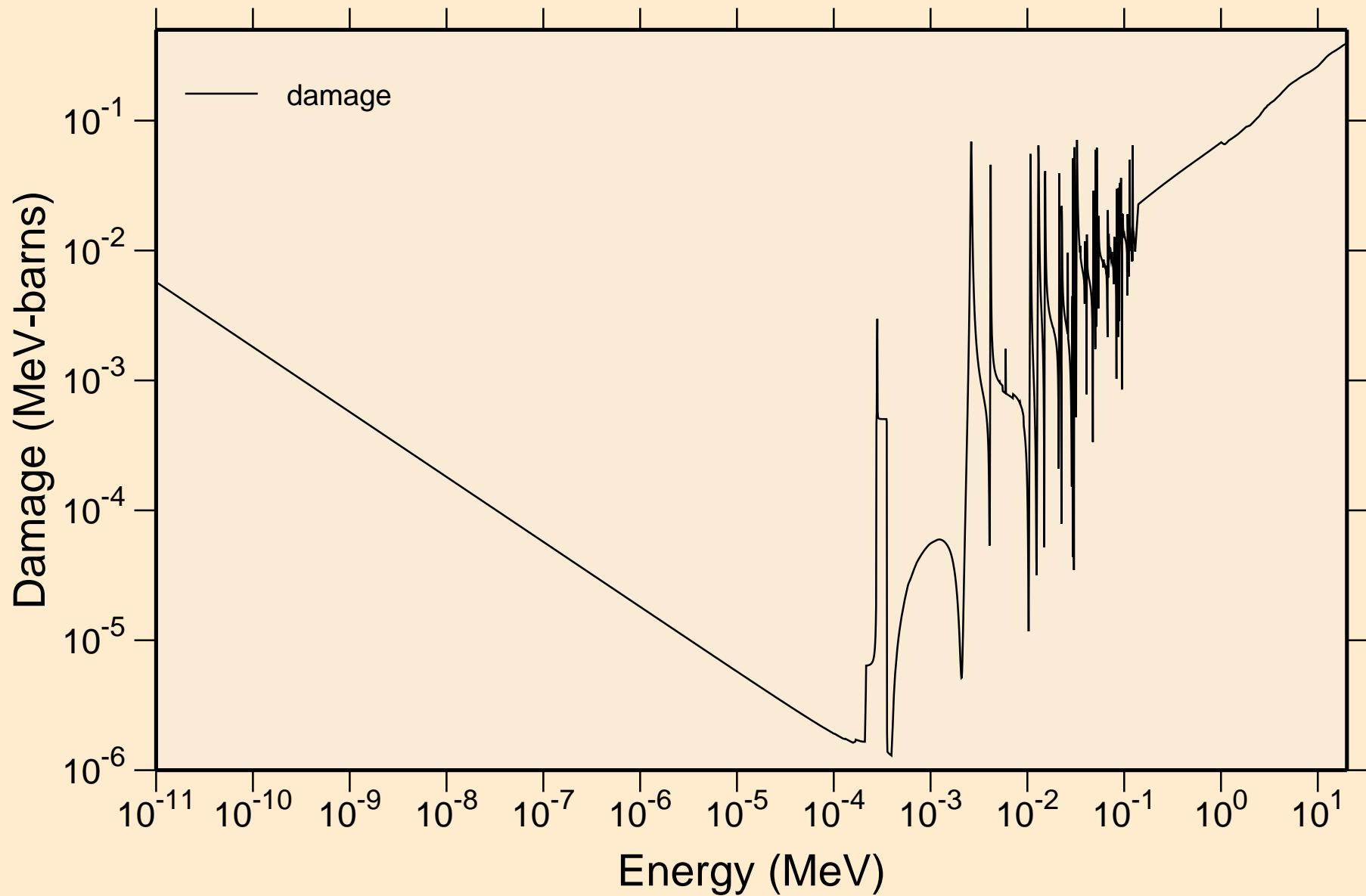
## UR capture cross section



ENDF/B-VII.1 ZN-64  
Heating

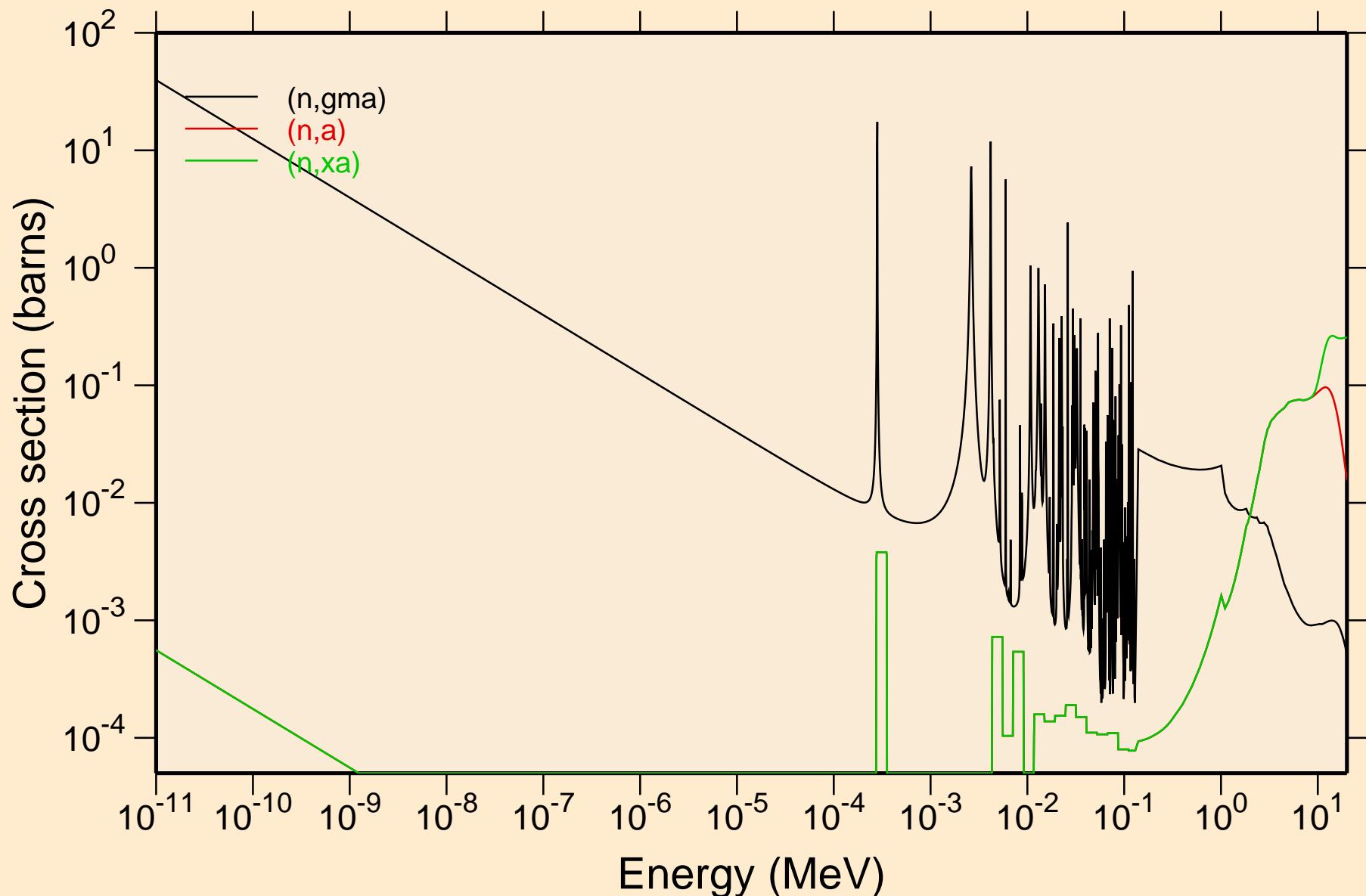


ENDF/B-VII.1 ZN-64  
Damage



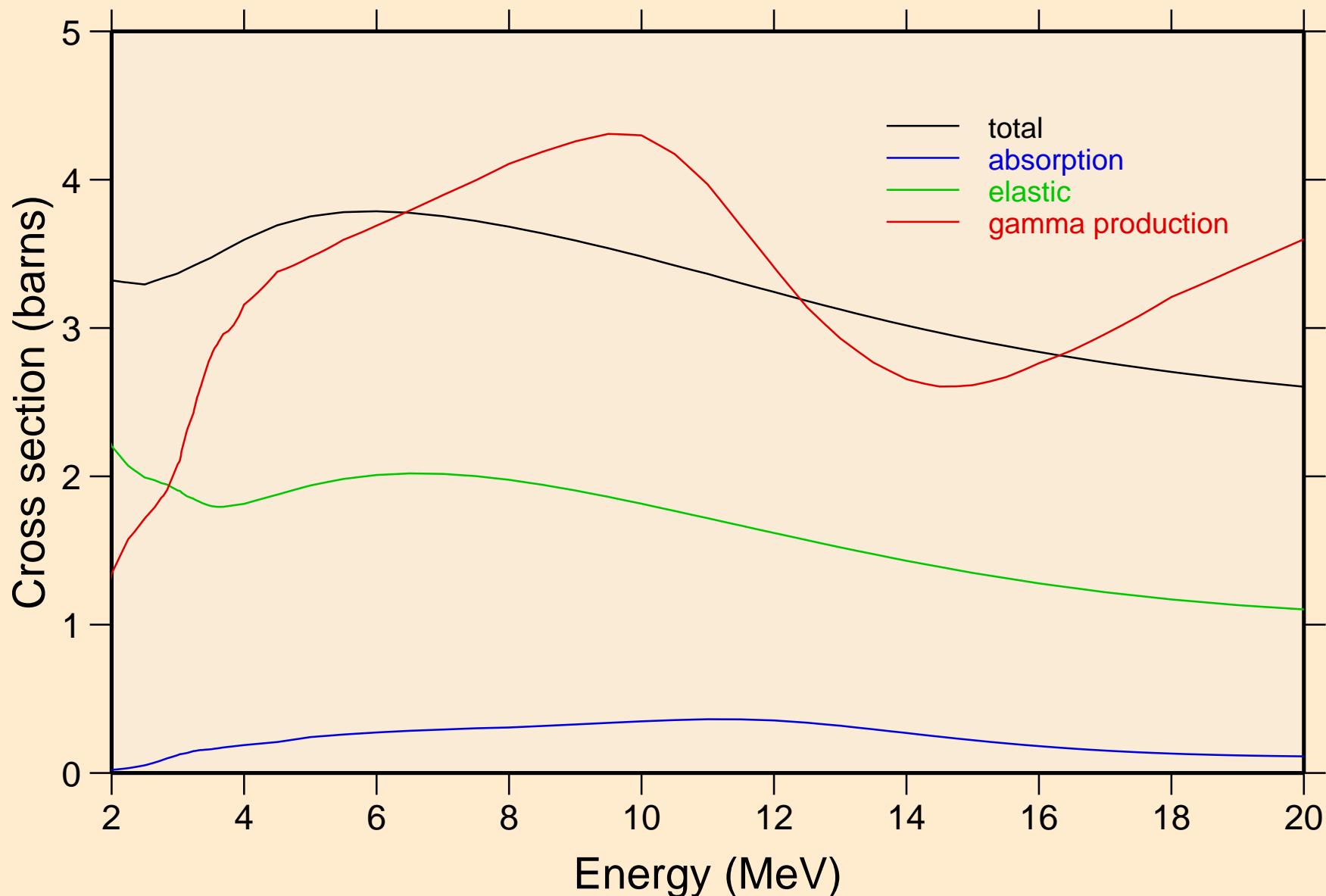
# ENDF/B-VII.1 ZN-64

## Non-threshold reactions

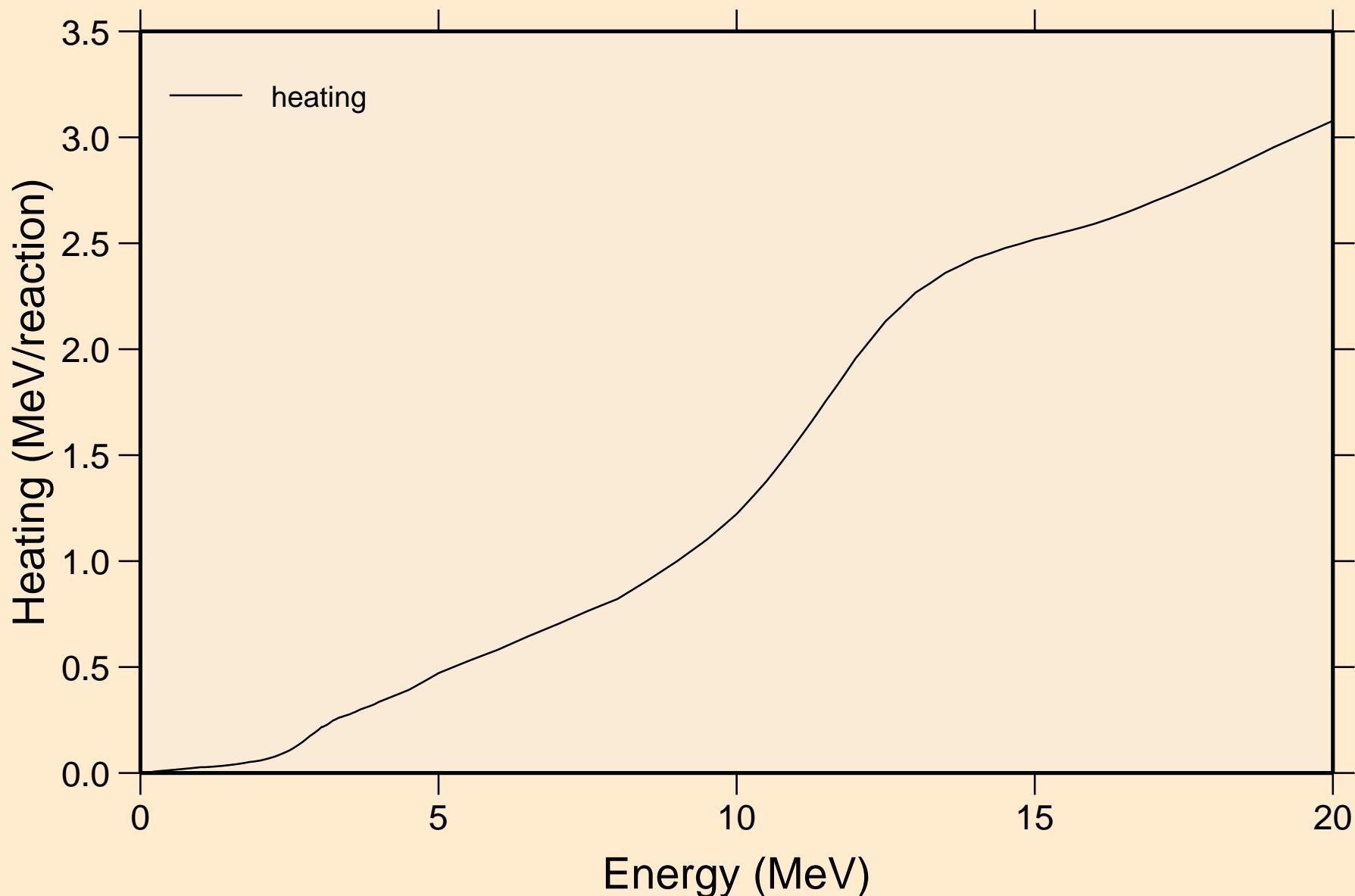


# ENDF/B-VII.1 ZN-64

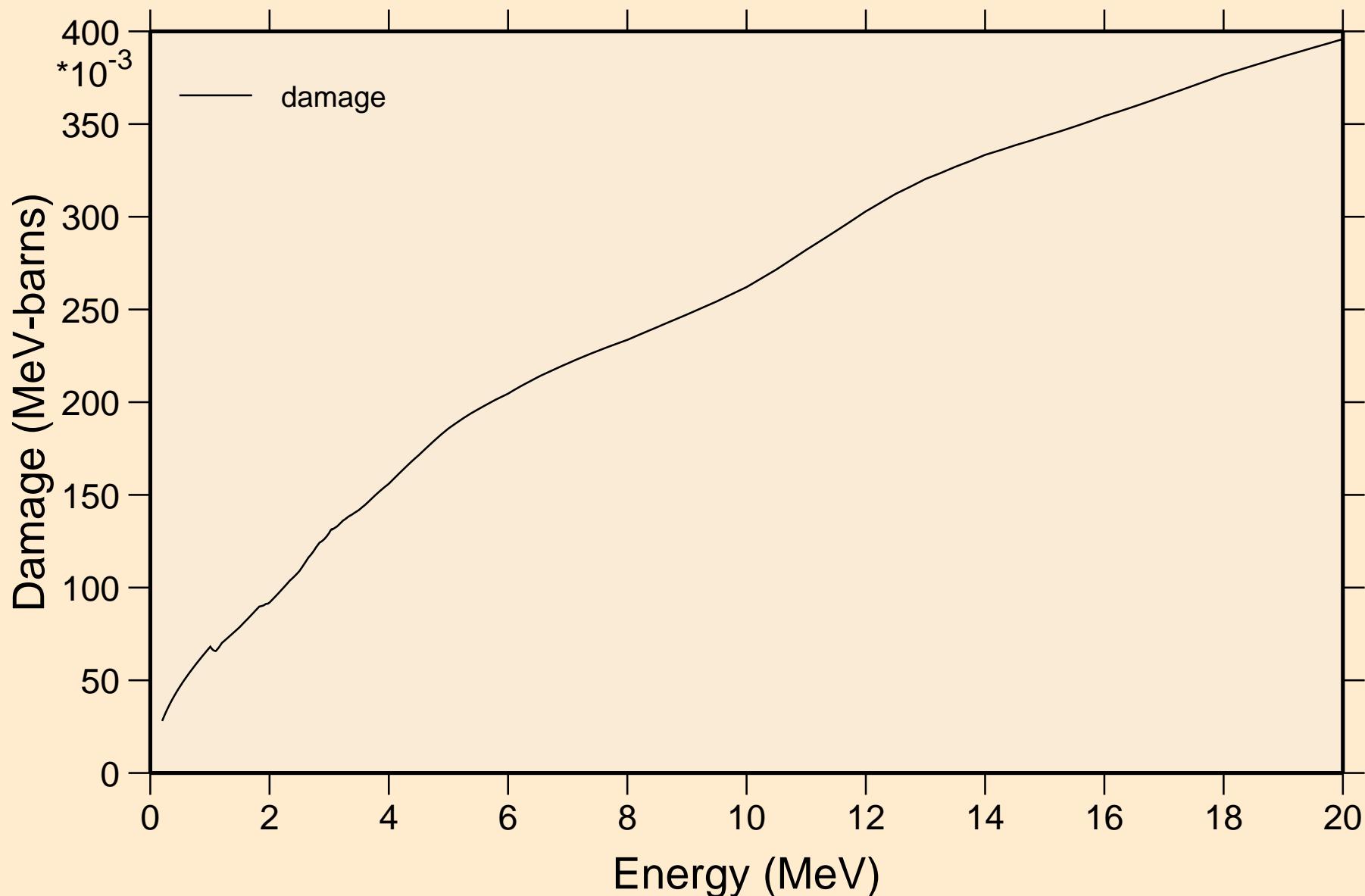
## Principal cross sections



ENDF/B-VII.1 ZN-64  
Heating

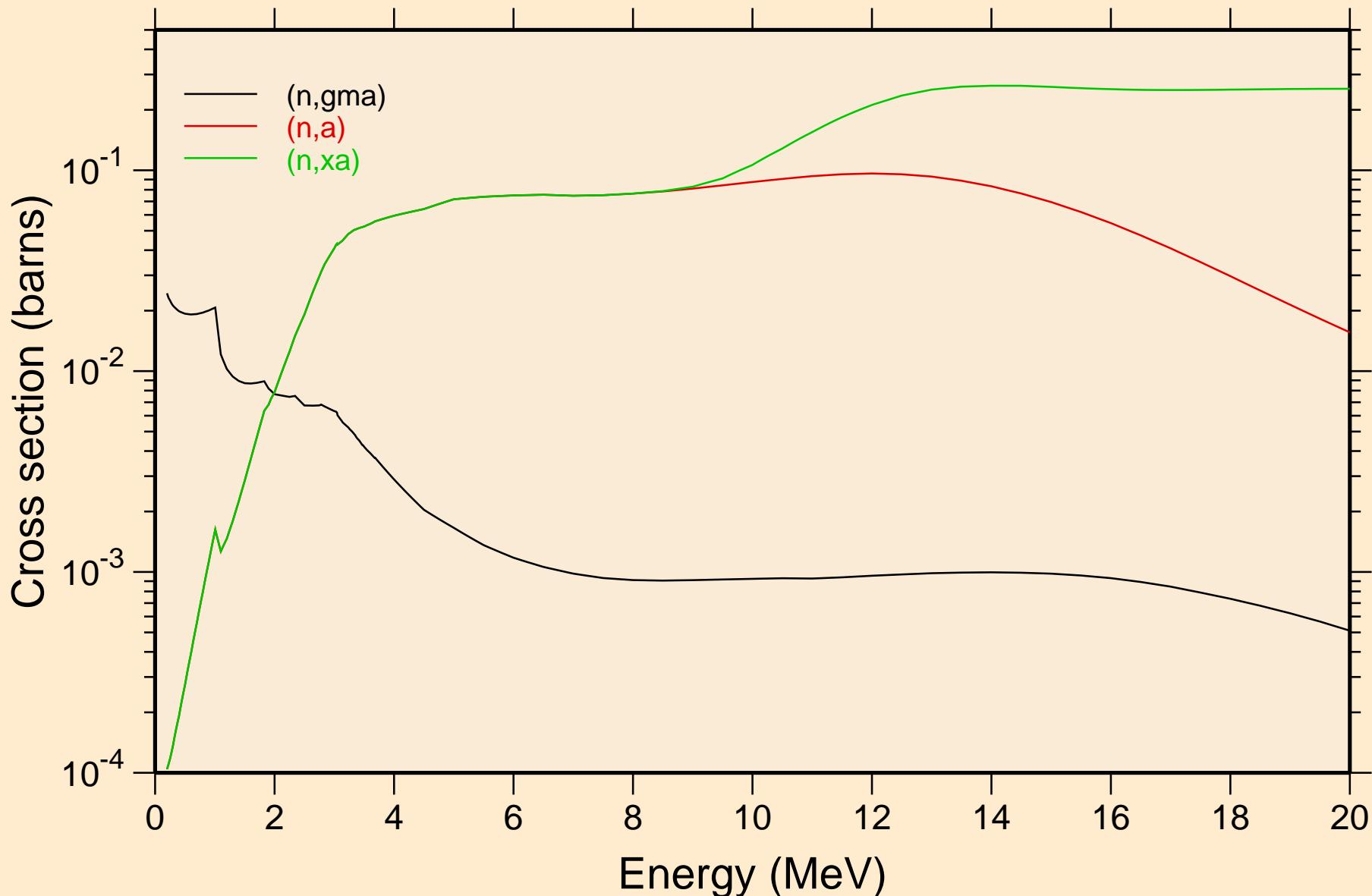


ENDF/B-VII.1 ZN-64  
Damage

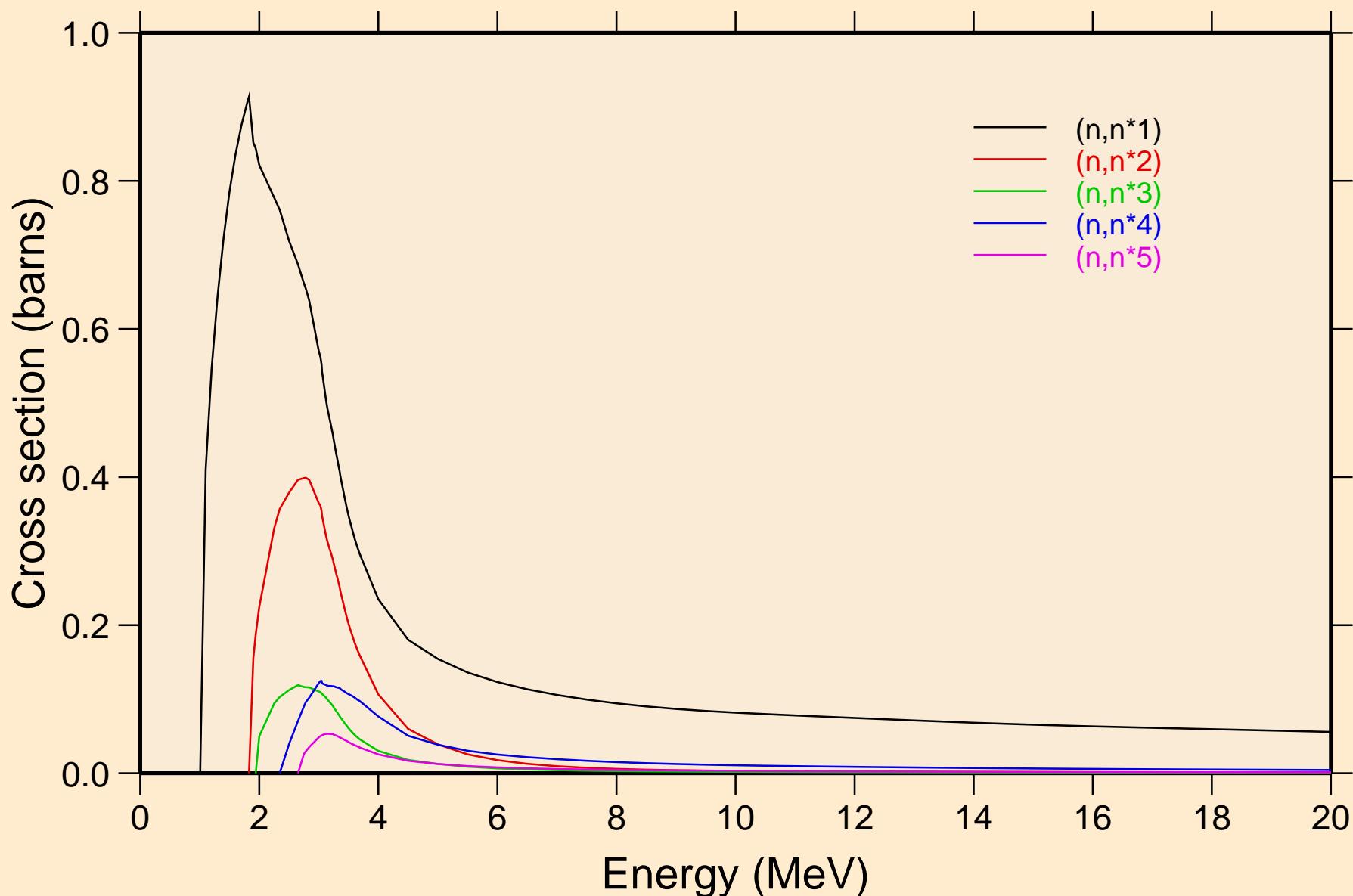


# ENDF/B-VII.1 ZN-64

## Non-threshold reactions

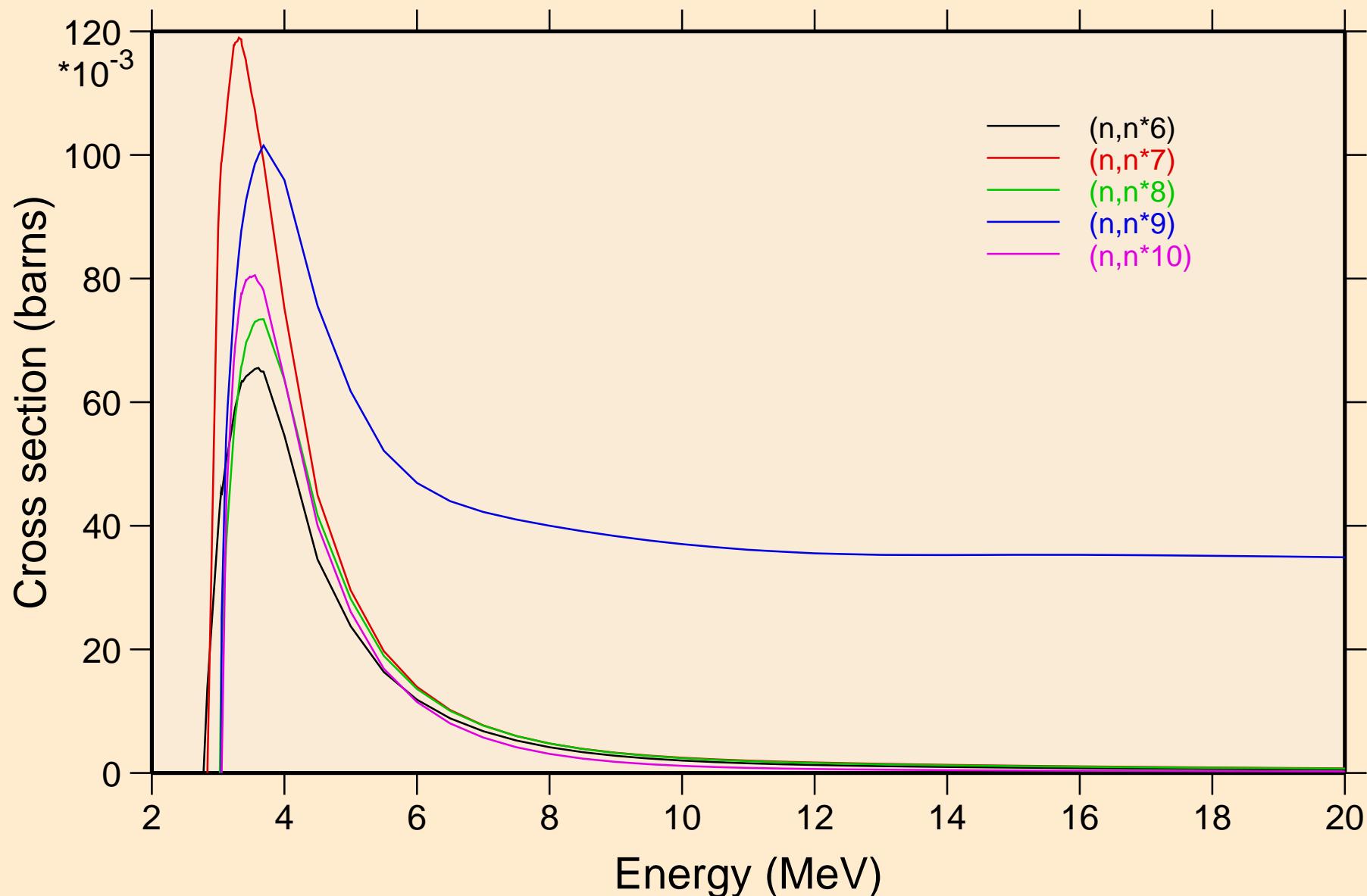


ENDF/B-VII.1 ZN-64  
Inelastic levels

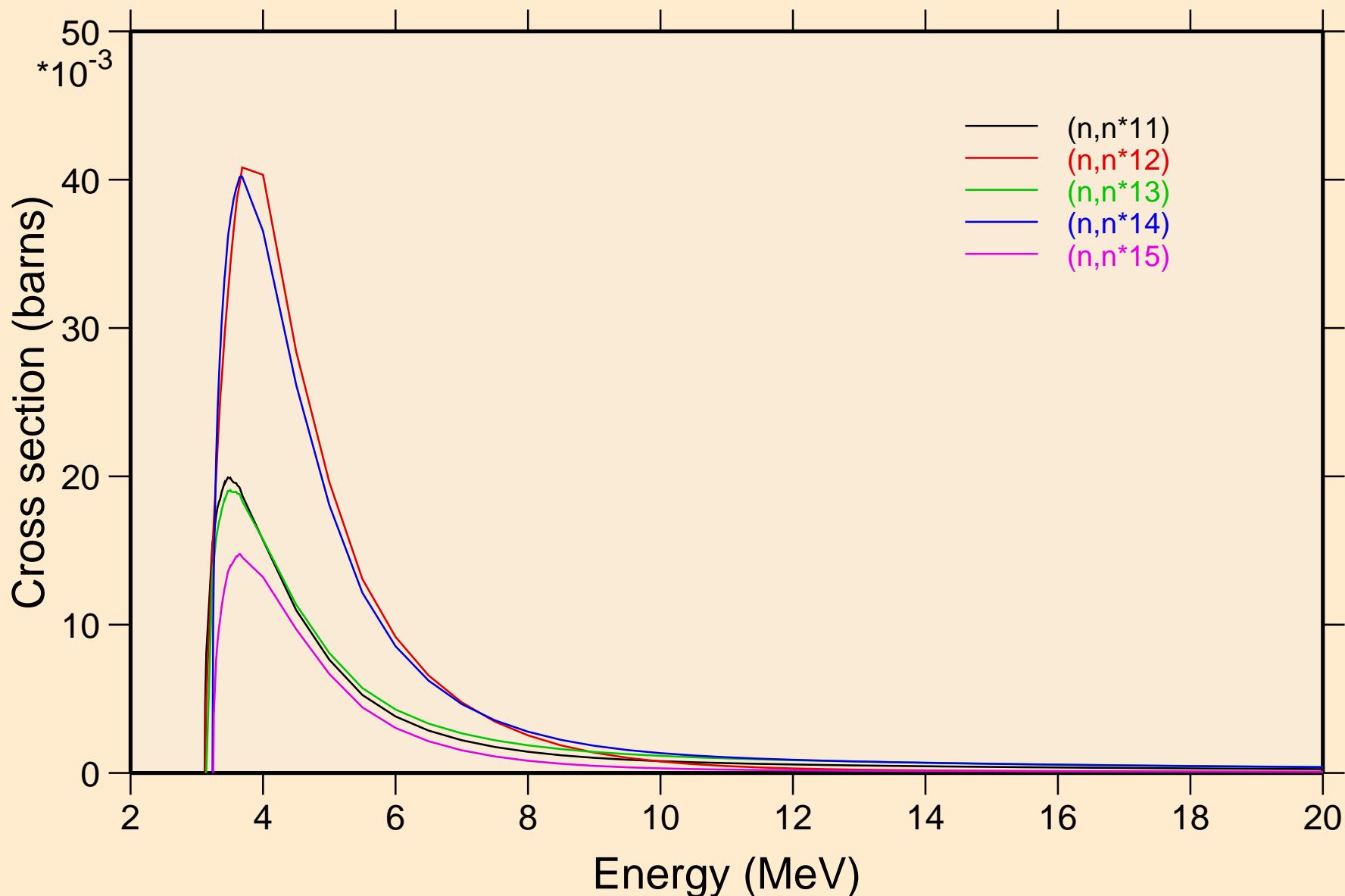


# ENDF/B-VII.1 ZN-64

## Inelastic levels

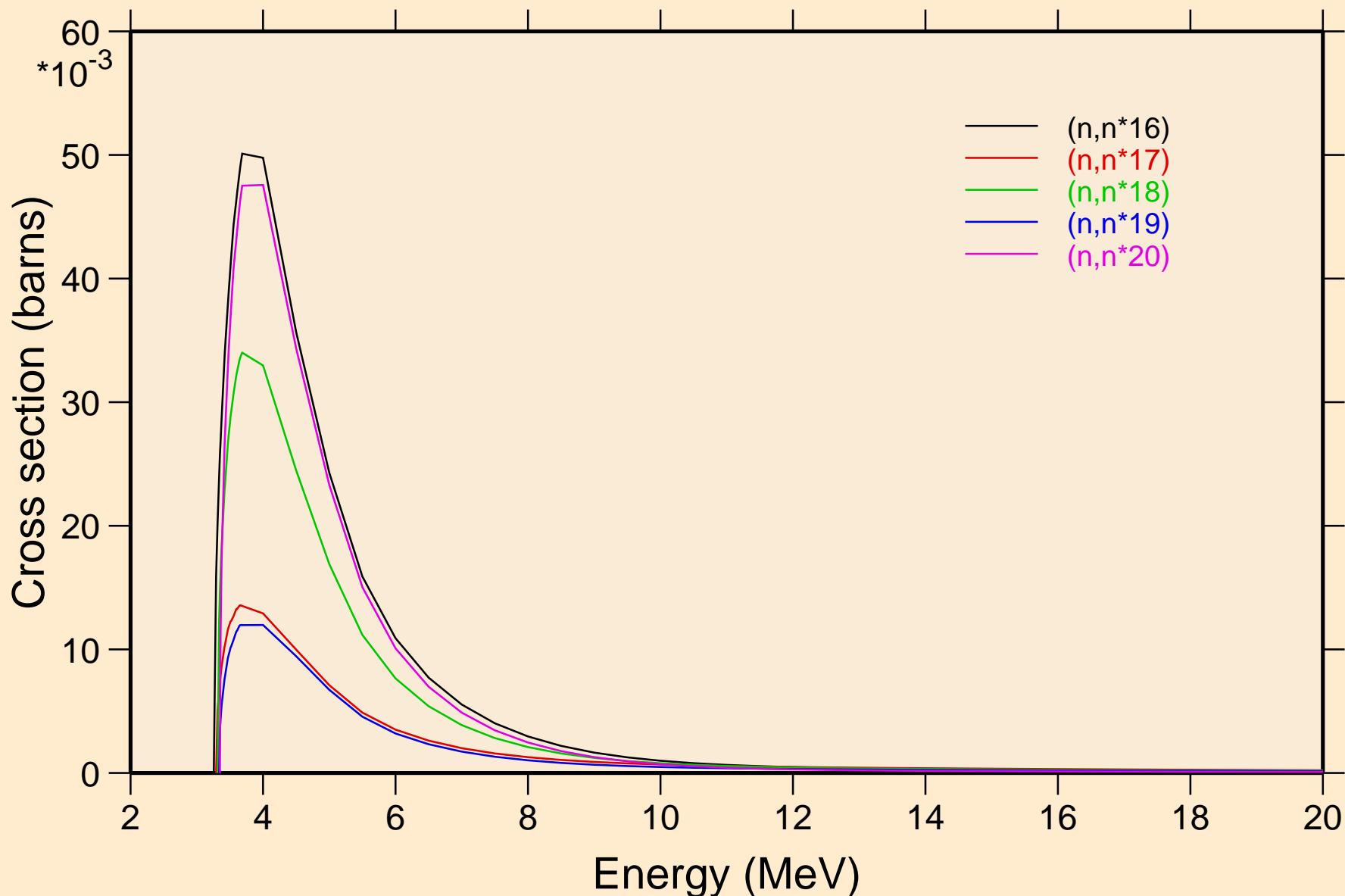


ENDF/B-VII.1 ZN-64  
Inelastic levels

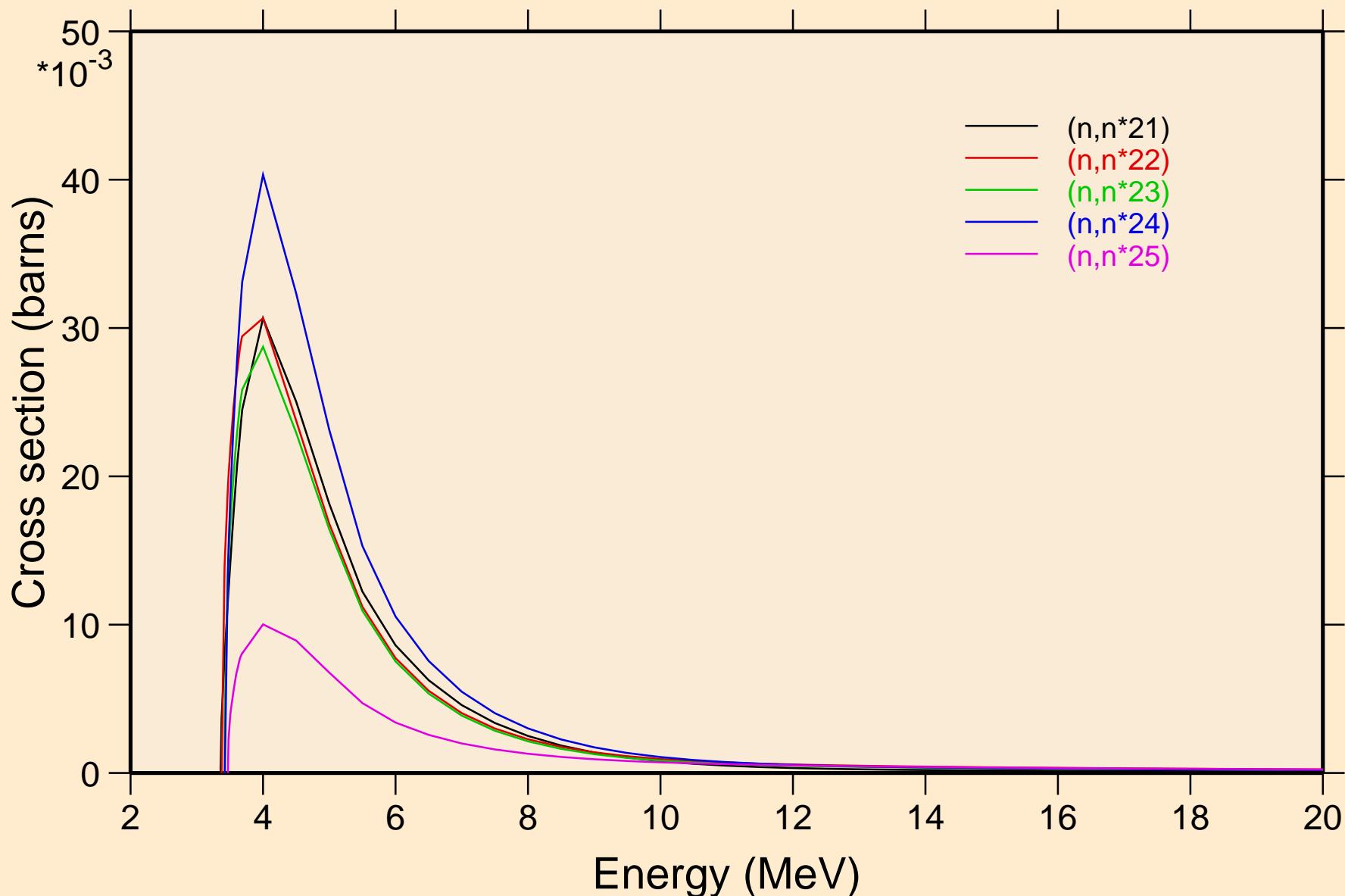


# ENDF/B-VII.1 ZN-64

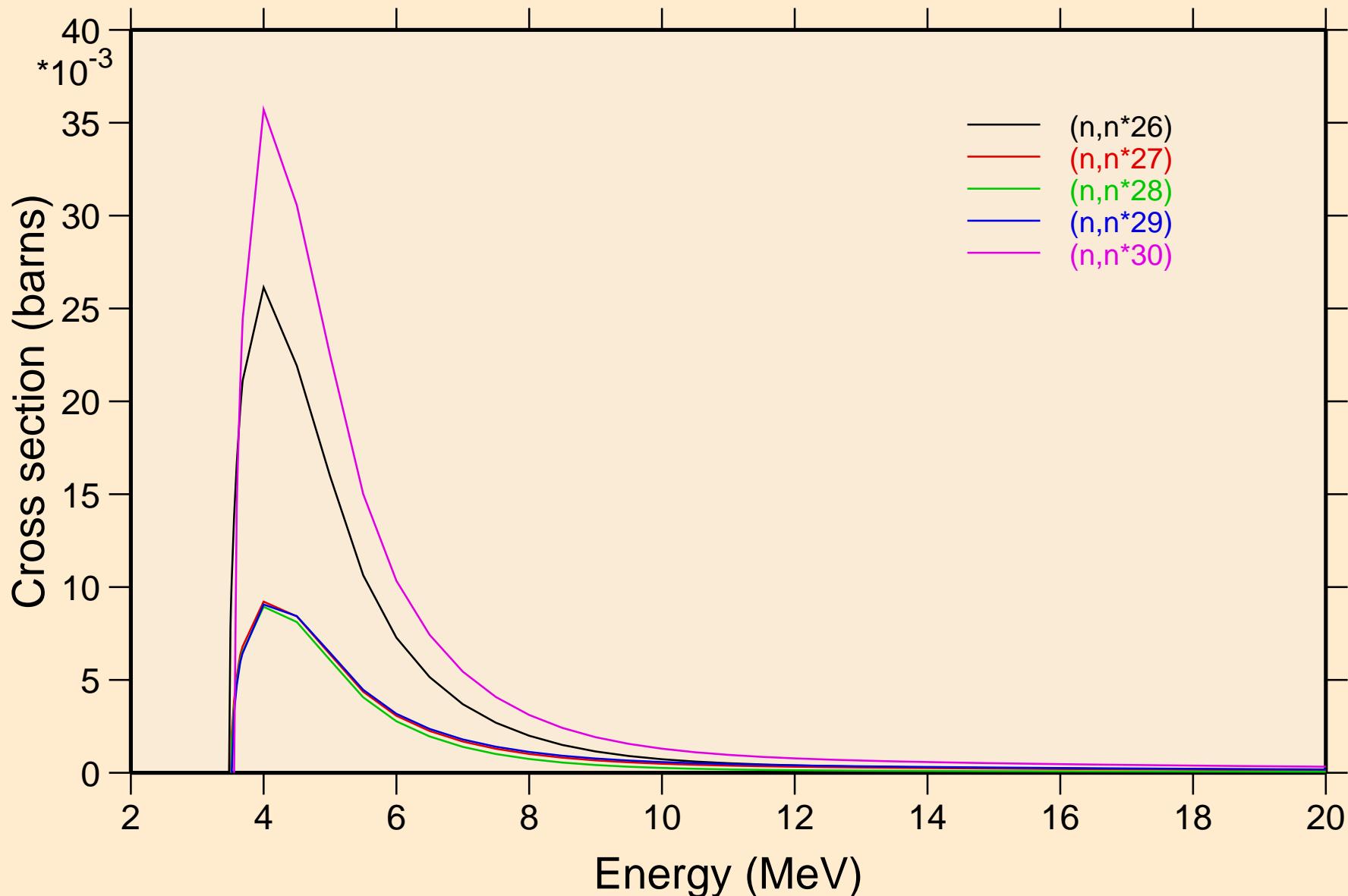
## Inelastic levels



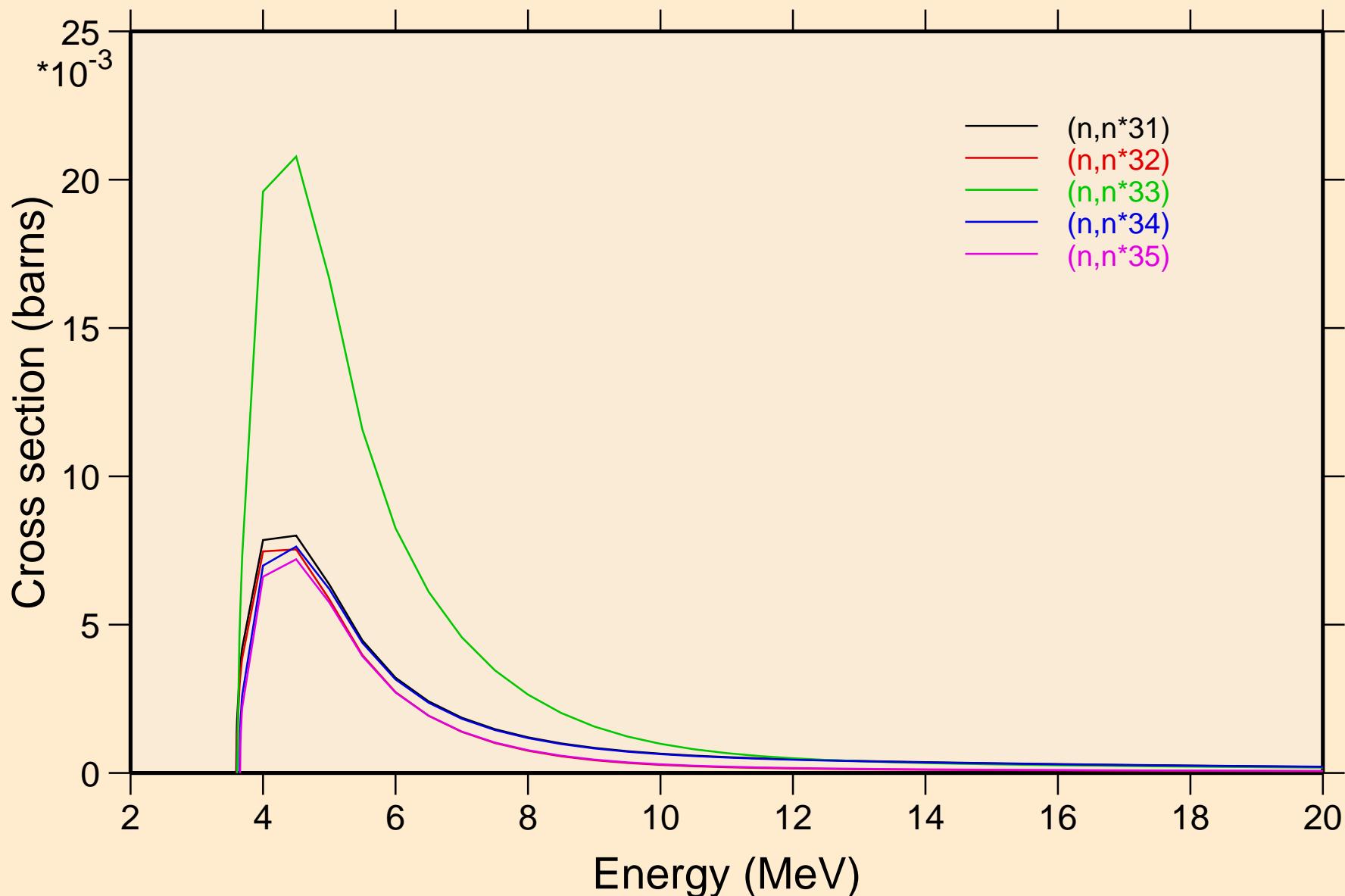
ENDF/B-VII.1 ZN-64  
Inelastic levels



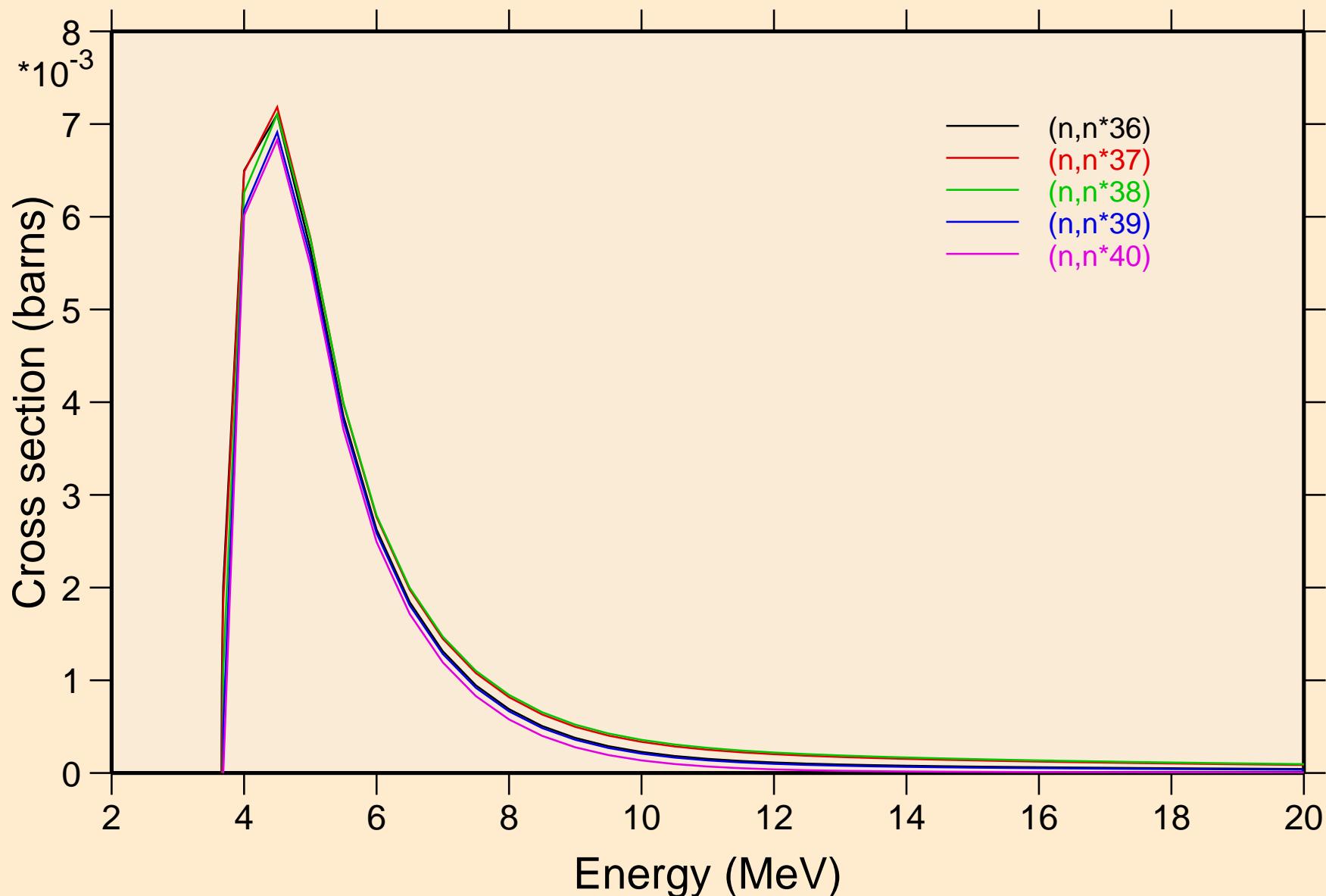
ENDF/B-VII.1 ZN-64  
Inelastic levels



ENDF/B-VII.1 ZN-64  
Inelastic levels

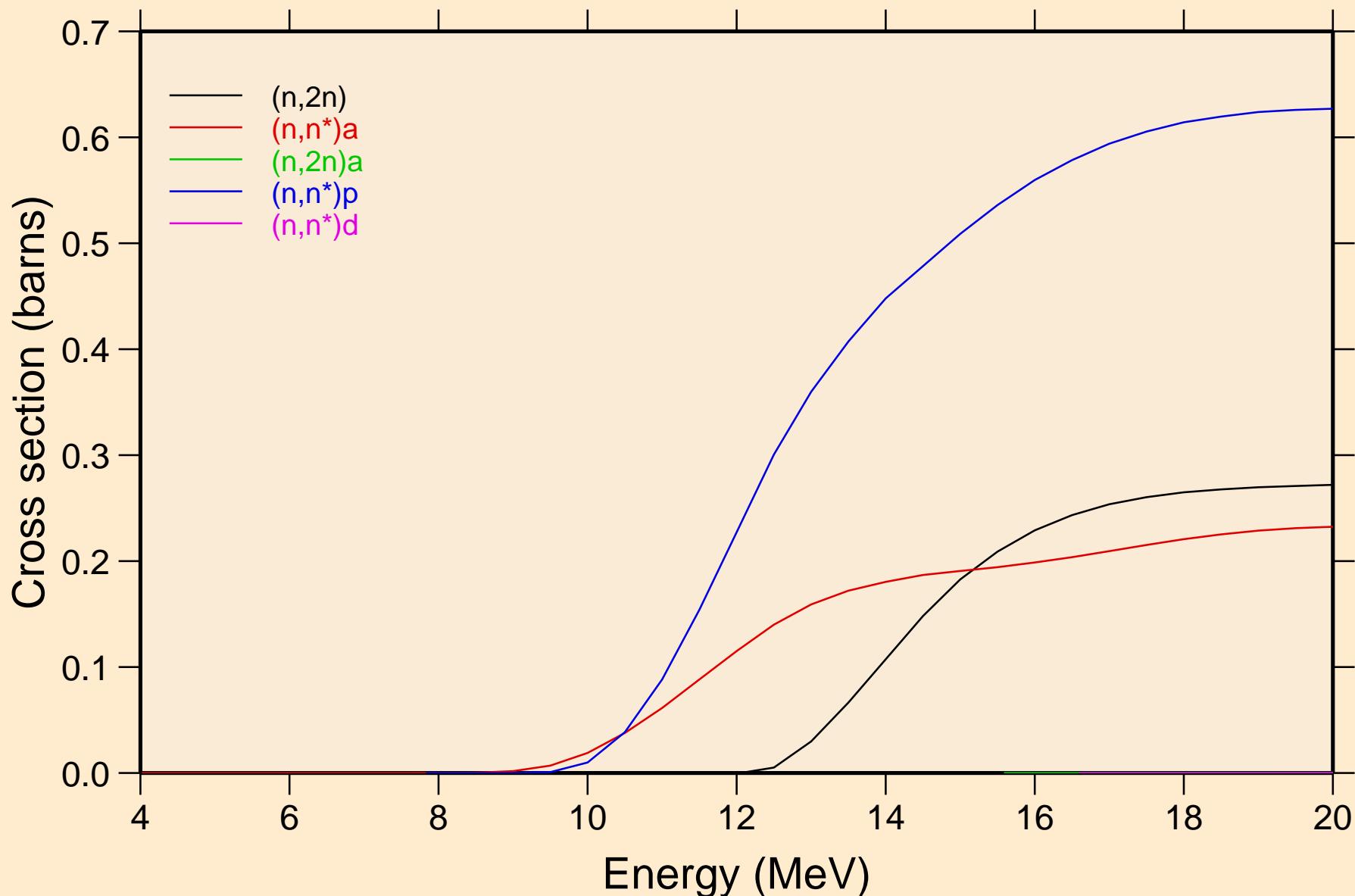


ENDF/B-VII.1 ZN-64  
Inelastic levels



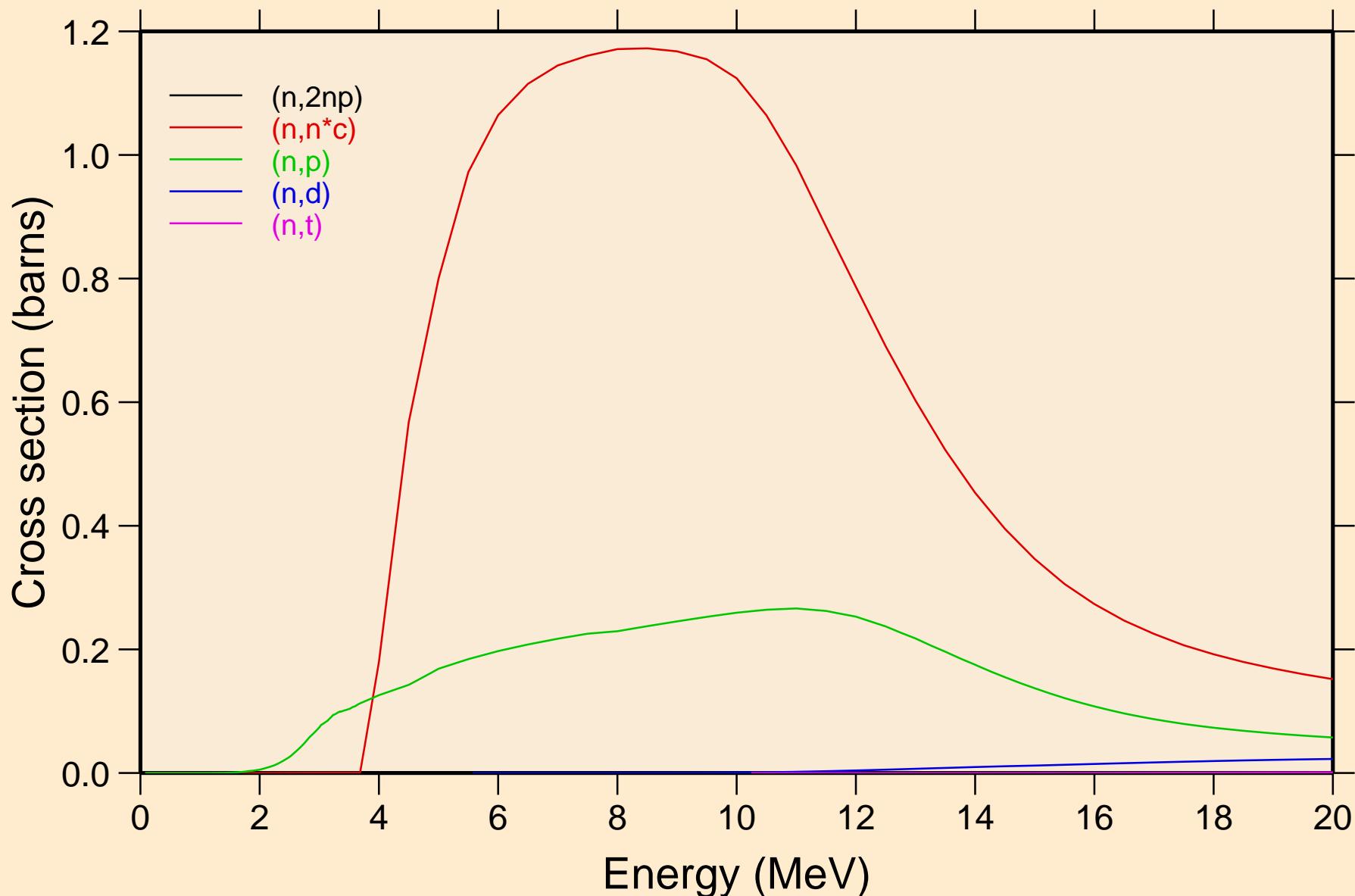
# ENDF/B-VII.1 ZN-64

## Threshold reactions



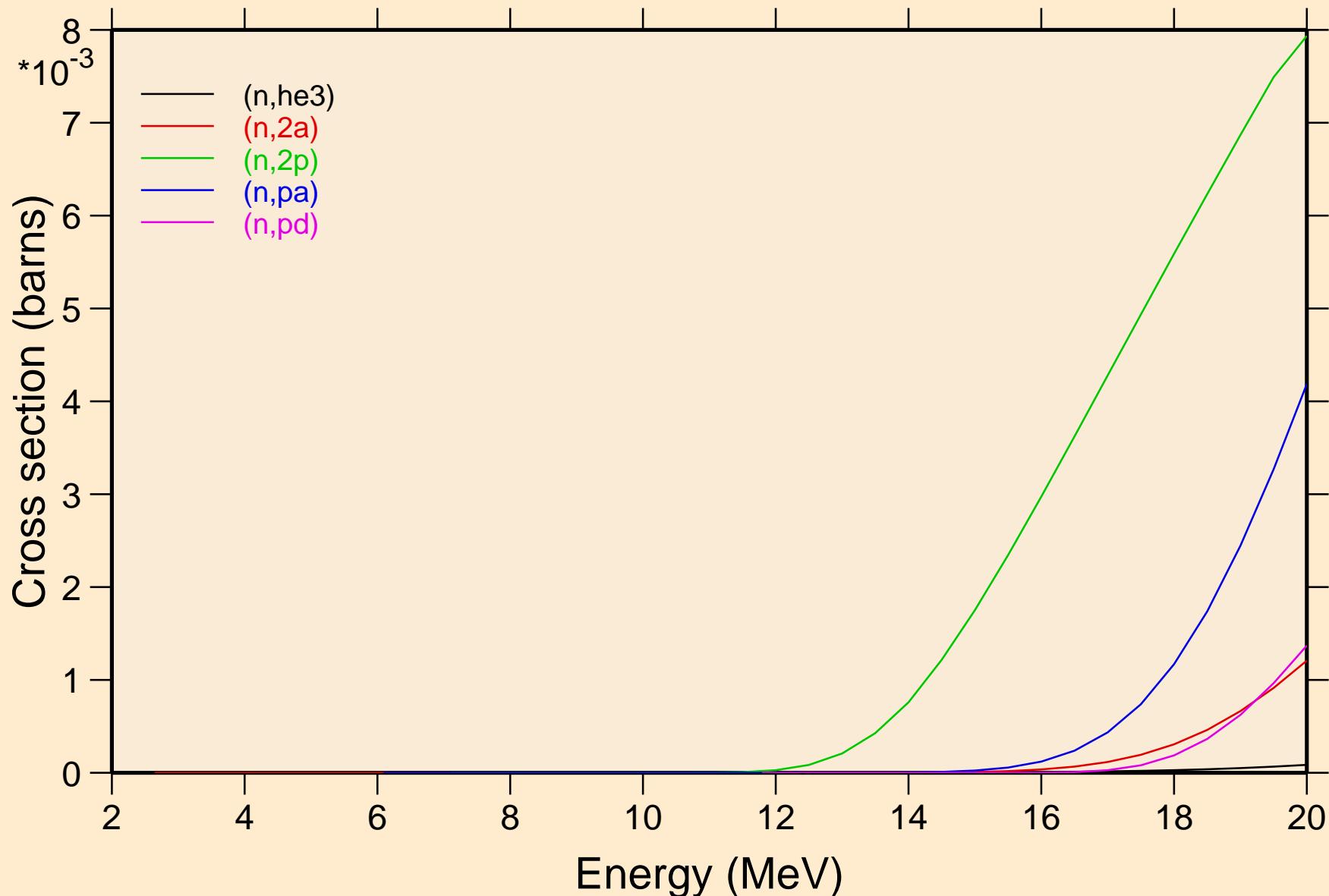
# ENDF/B-VII.1 ZN-64

## Threshold reactions

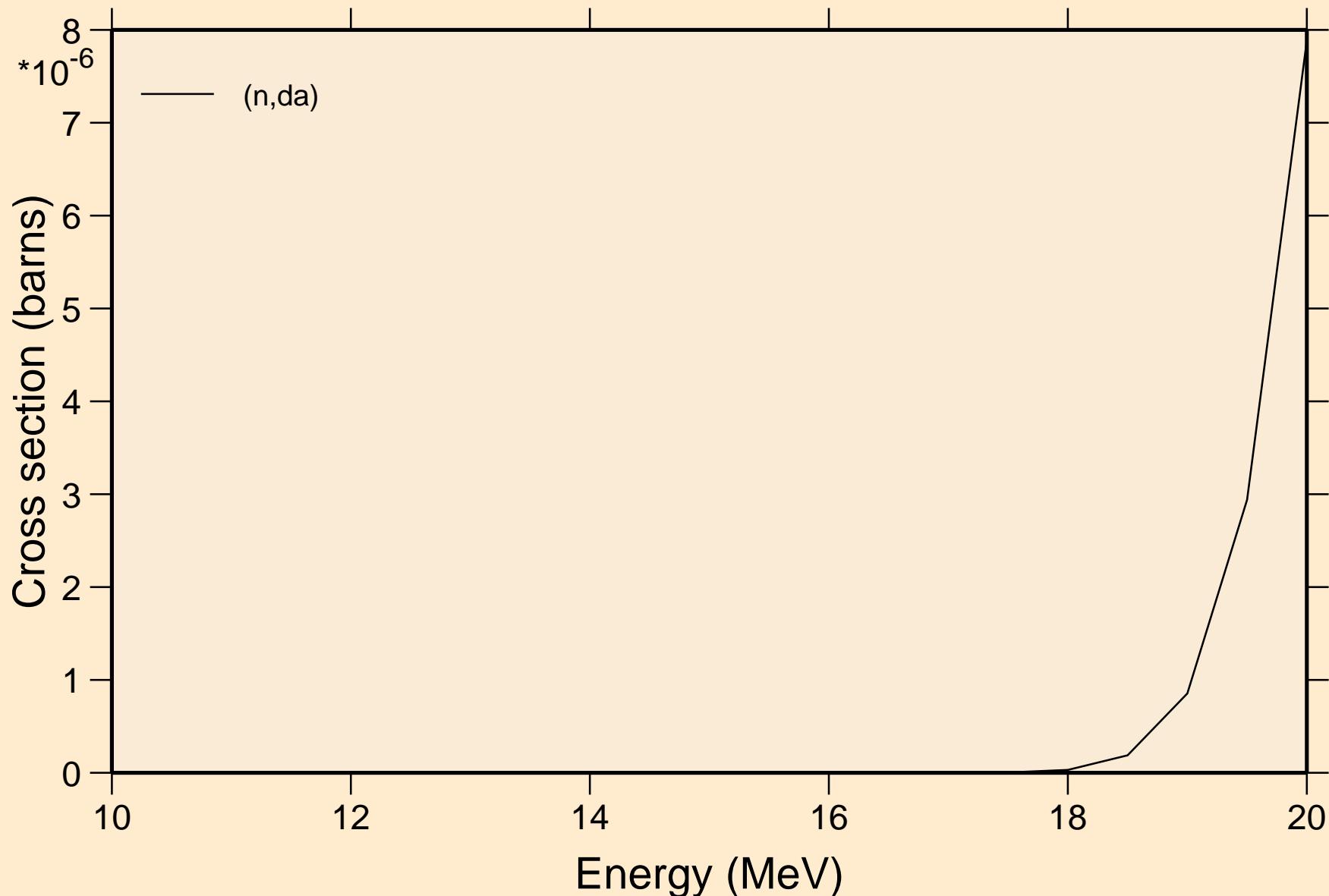


# ENDF/B-VII.1 ZN-64

## Threshold reactions

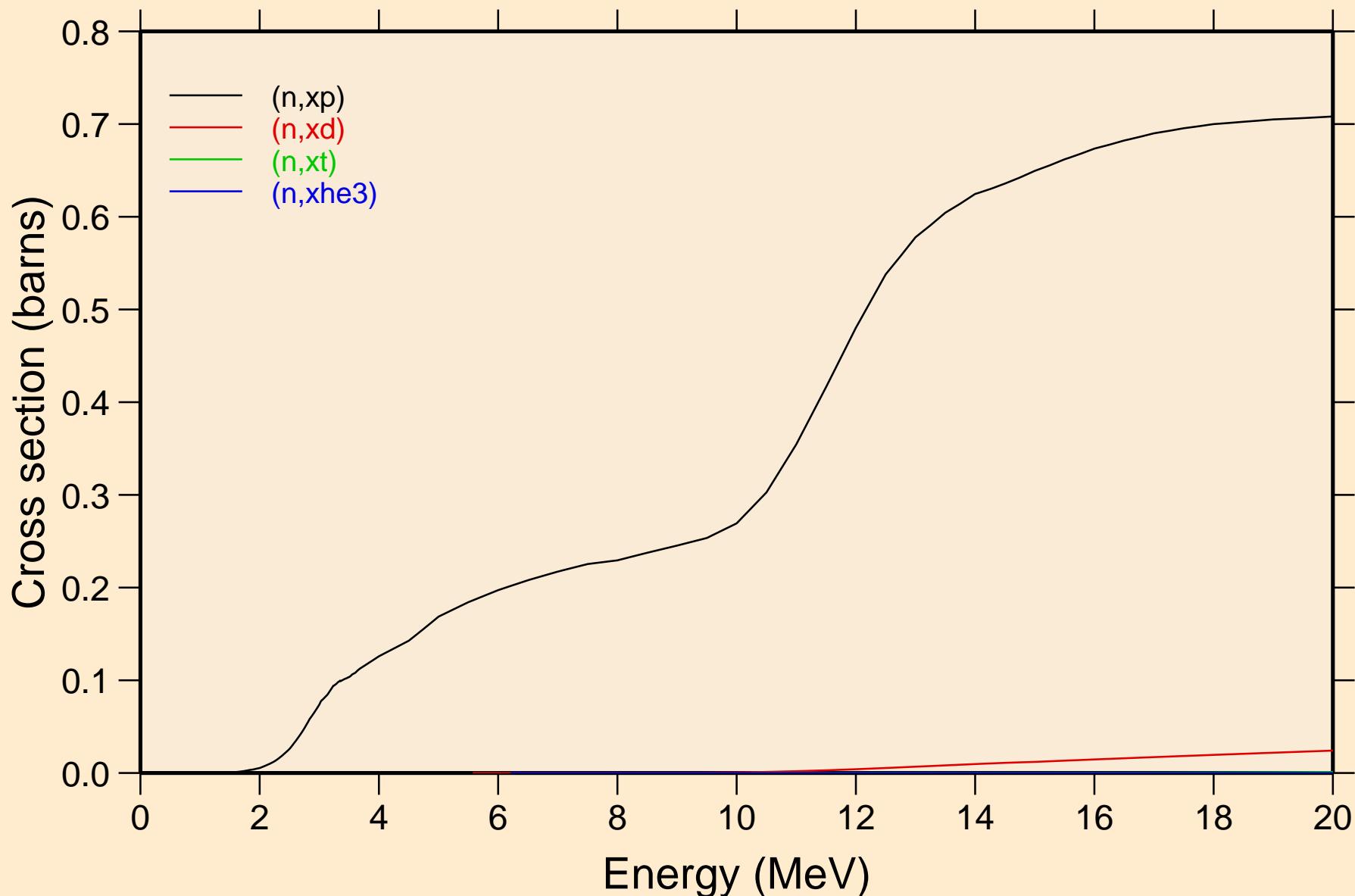


ENDF/B-VII.1 ZN-64  
Threshold reactions

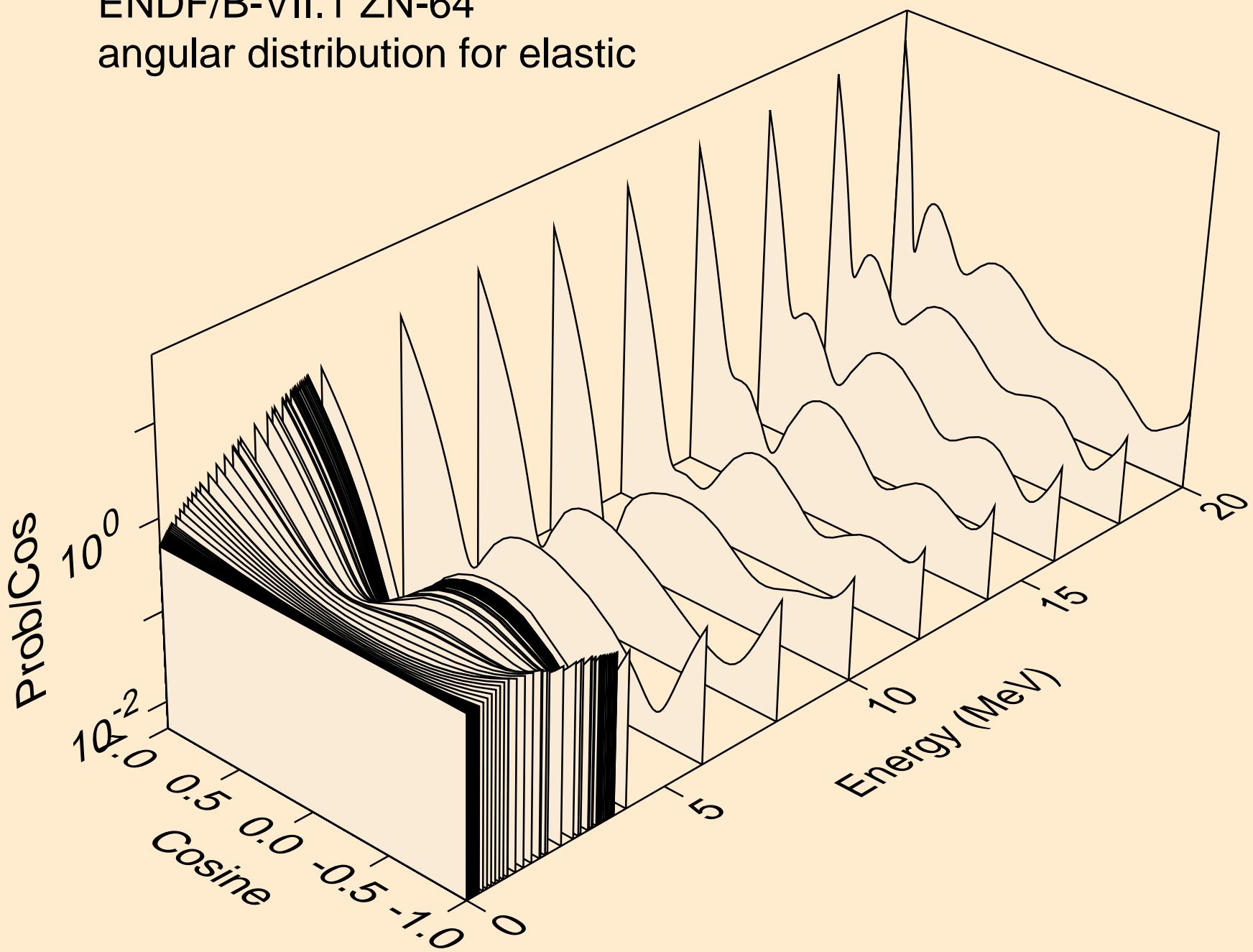


# ENDF/B-VII.1 ZN-64

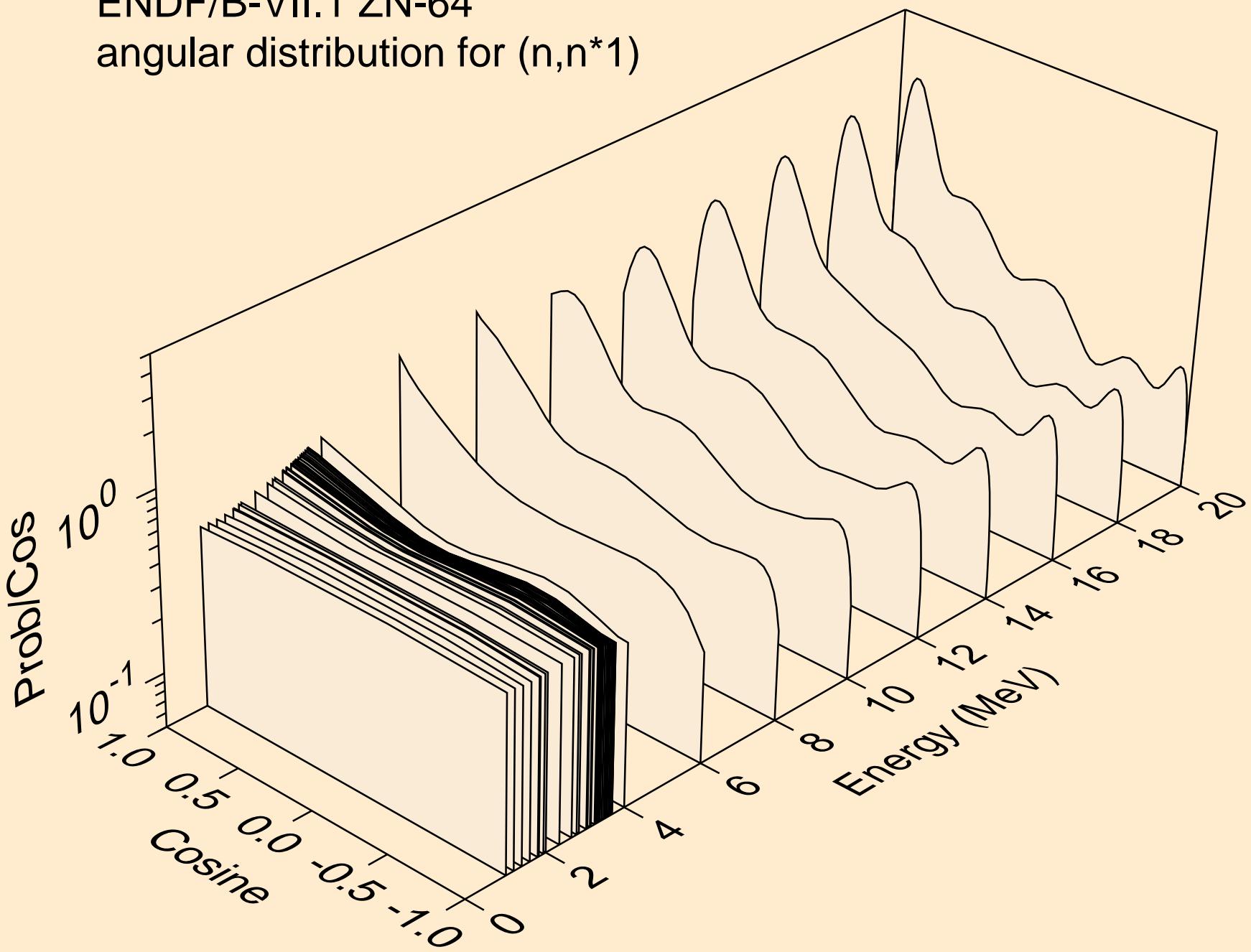
## Threshold reactions



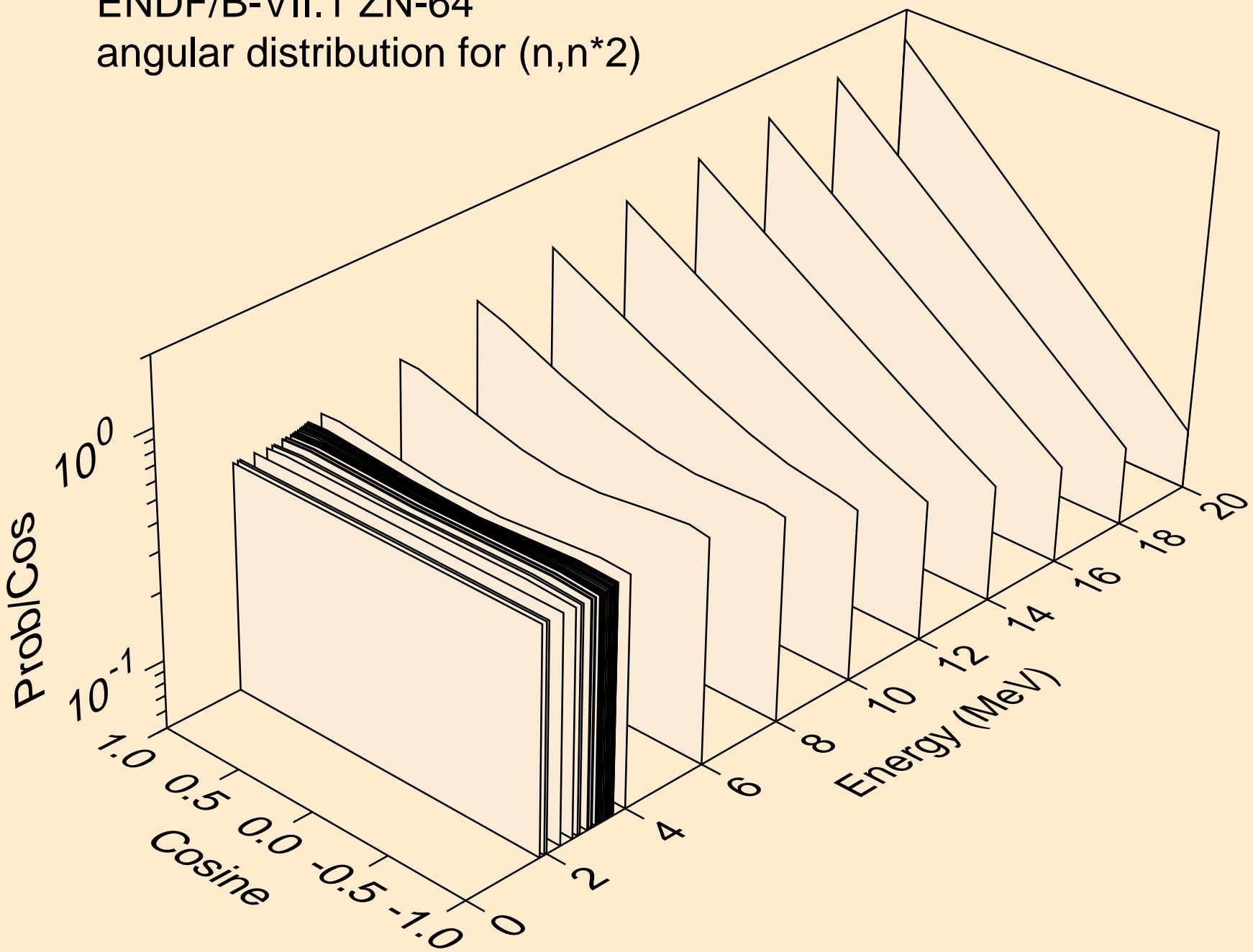
ENDF/B-VII.1 ZN-64  
angular distribution for elastic



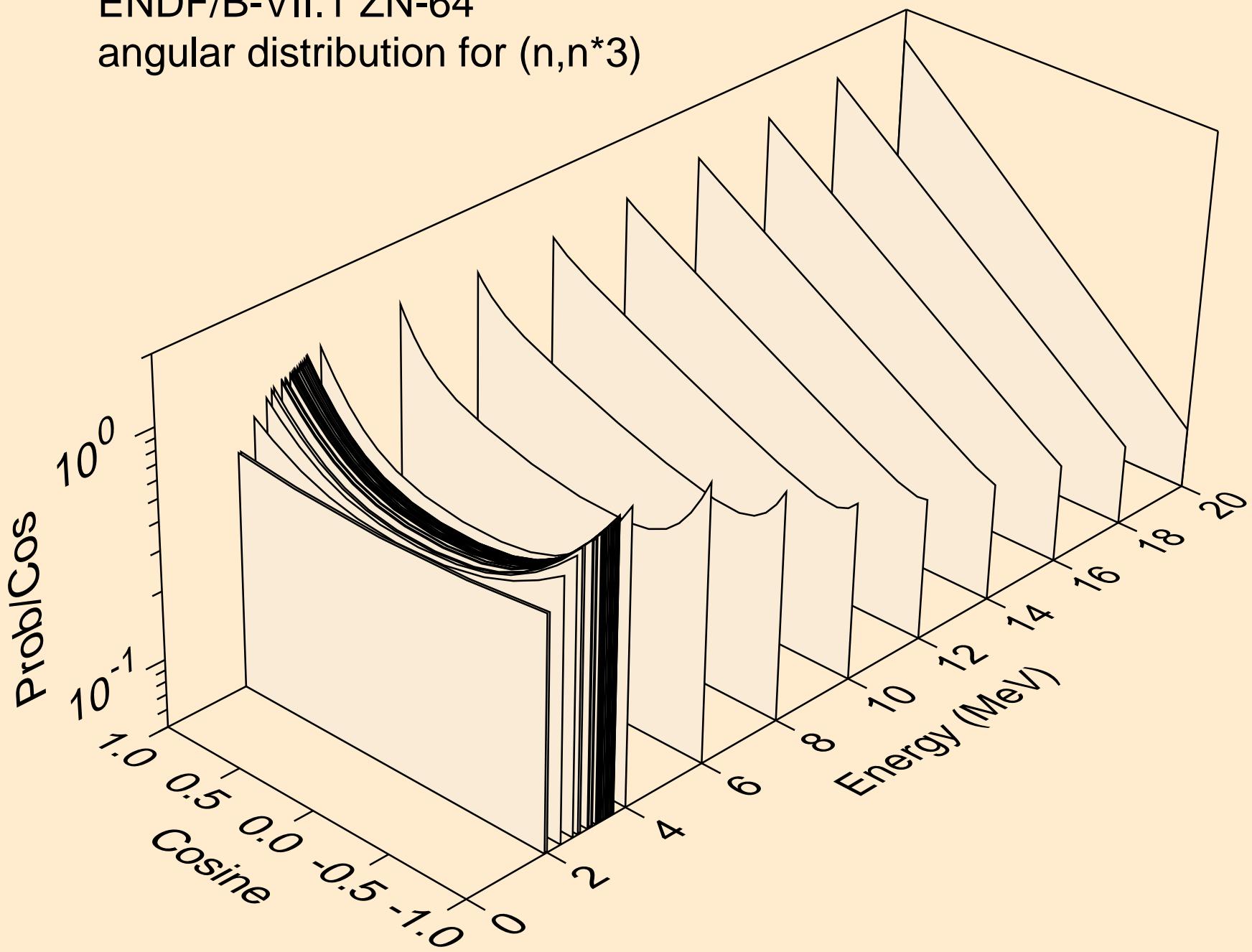
ENDF/B-VII.1 ZN-64  
angular distribution for (n,n\*1)



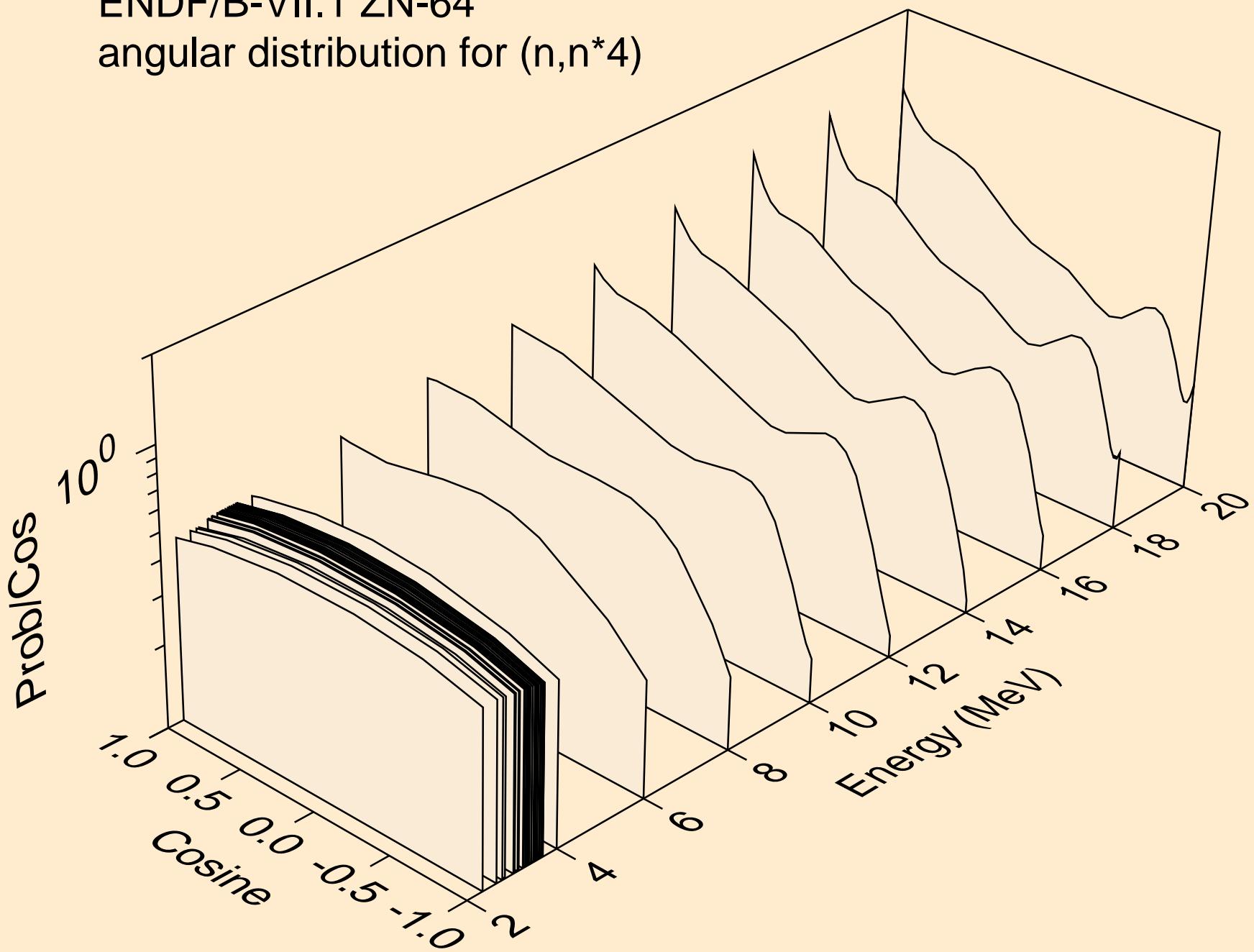
ENDF/B-VII.1 ZN-64  
angular distribution for  $(n,n^2)$



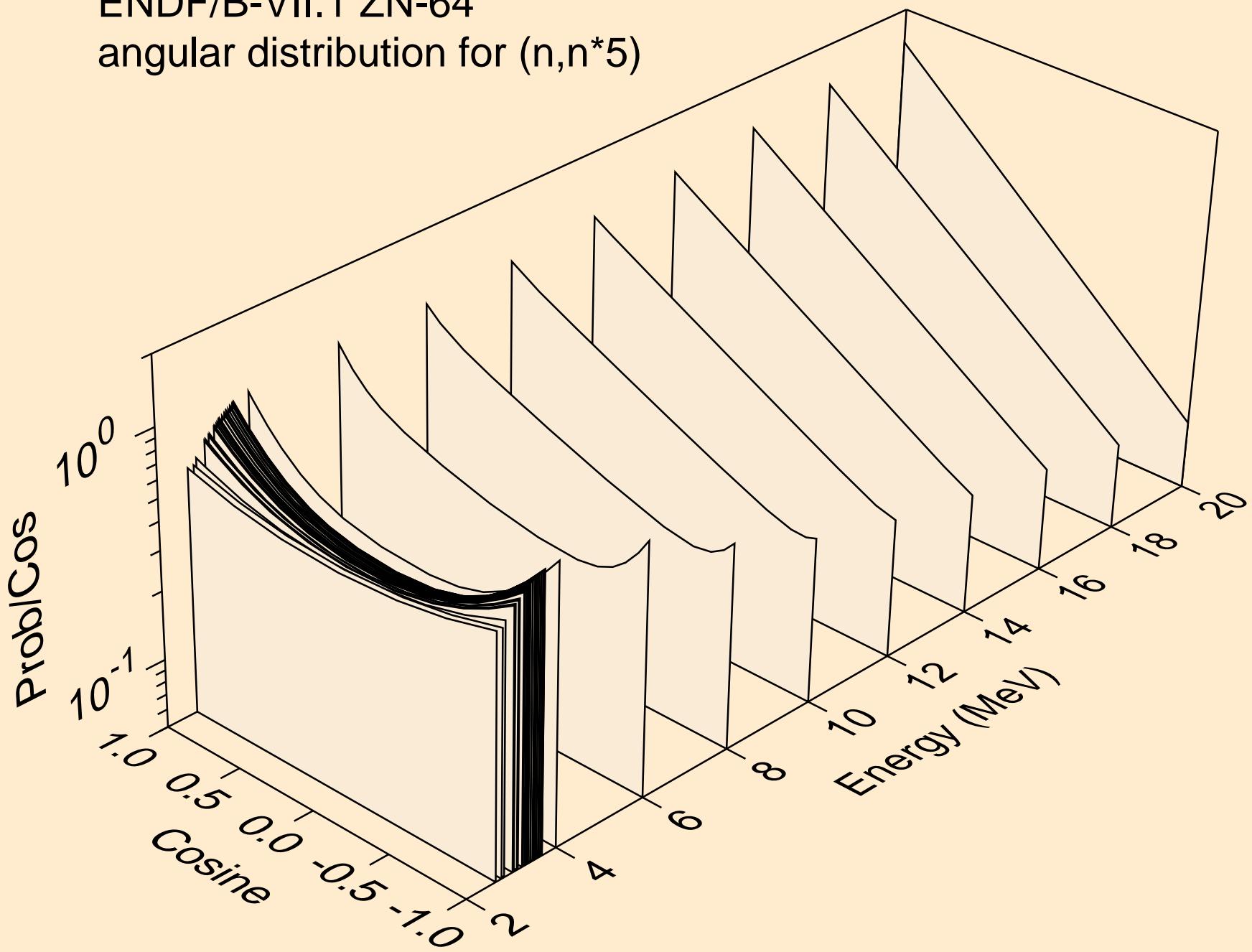
ENDF/B-VII.1 ZN-64  
angular distribution for  $(n,n^*3)$



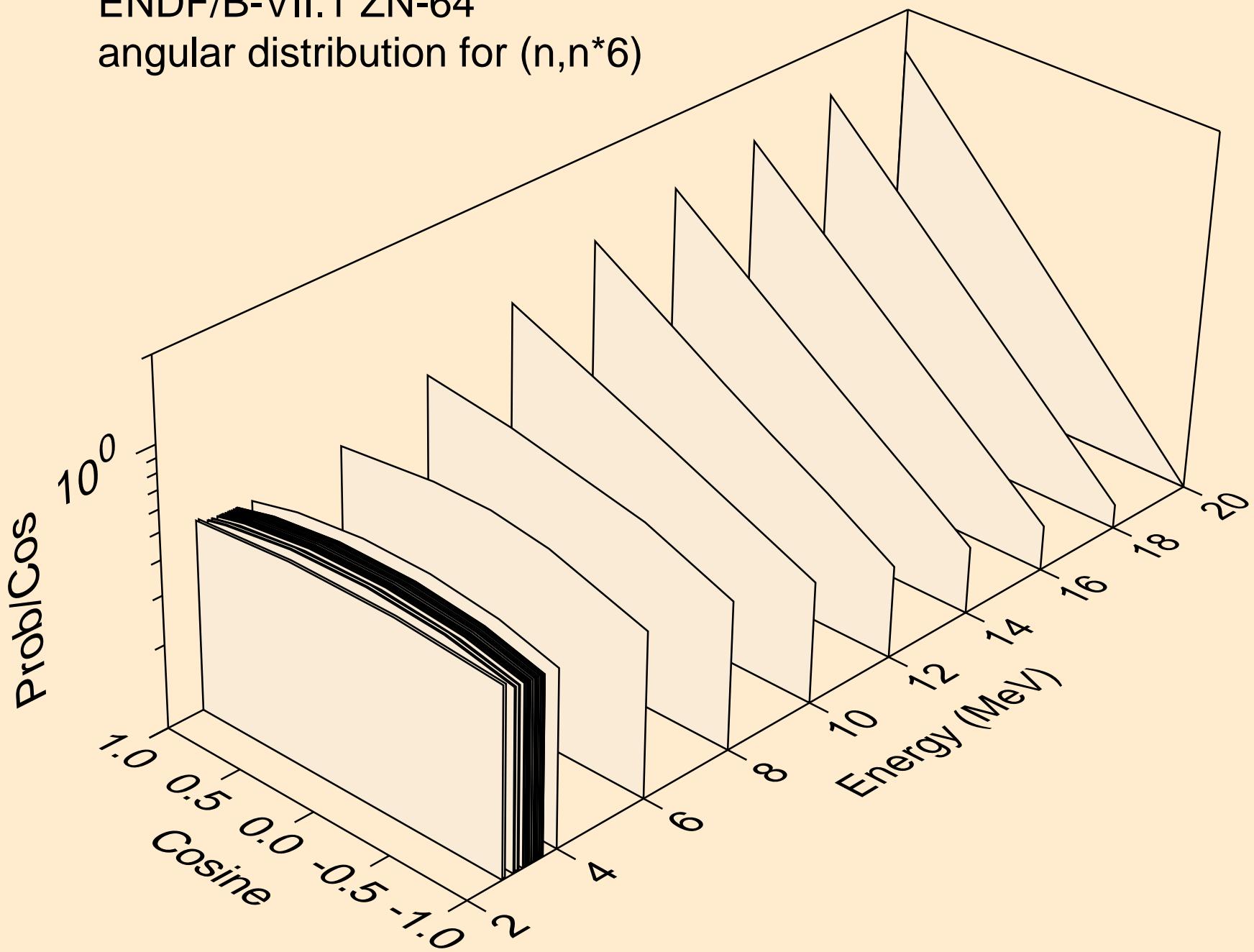
ENDF/B-VII.1 ZN-64  
angular distribution for  $(n,n^*4)$



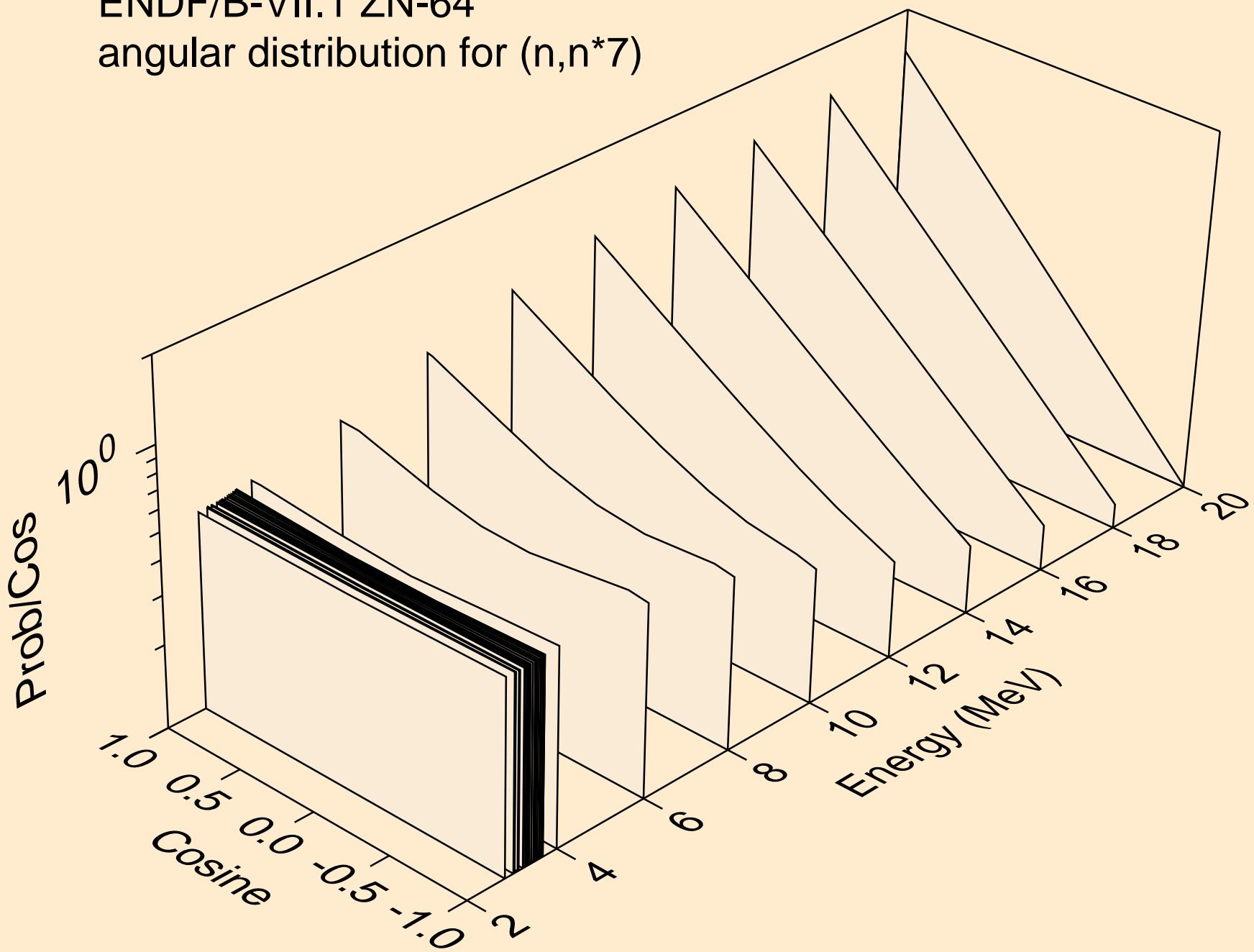
ENDF/B-VII.1 ZN-64  
angular distribution for (n,n\*5)



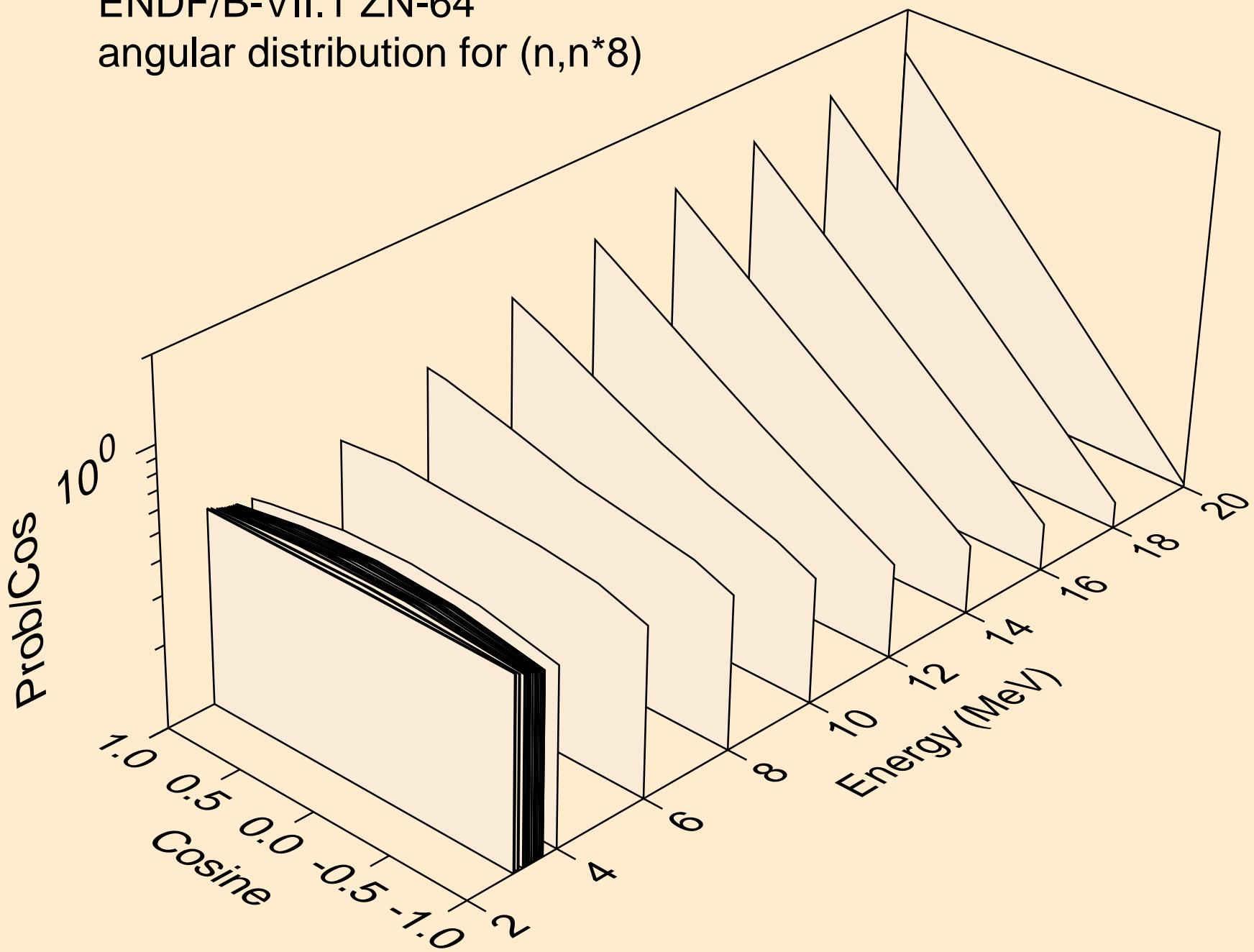
ENDF/B-VII.1 ZN-64  
angular distribution for (n,n\*6)



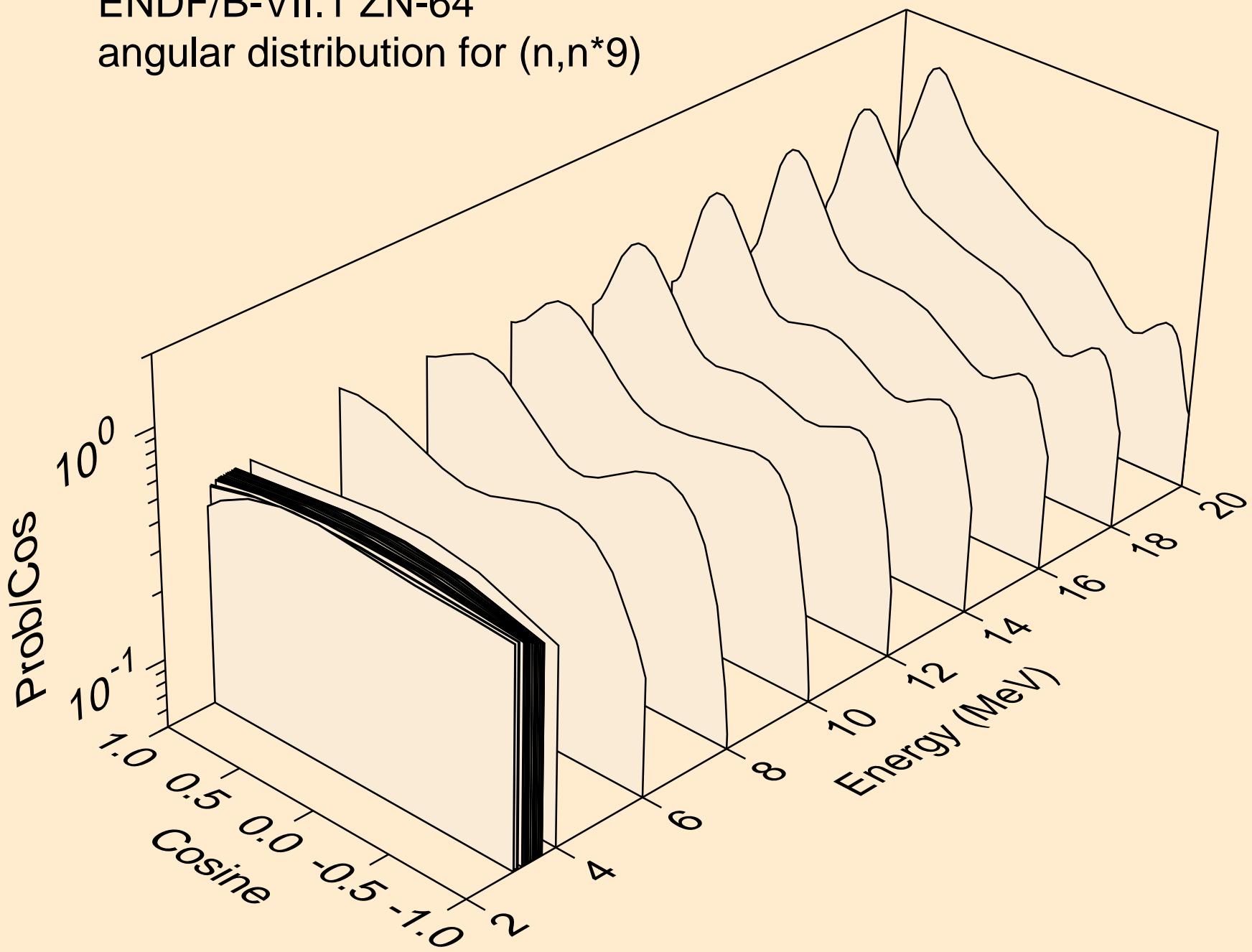
ENDF/B-VII.1 ZN-64  
angular distribution for  $(n,n^*7)$



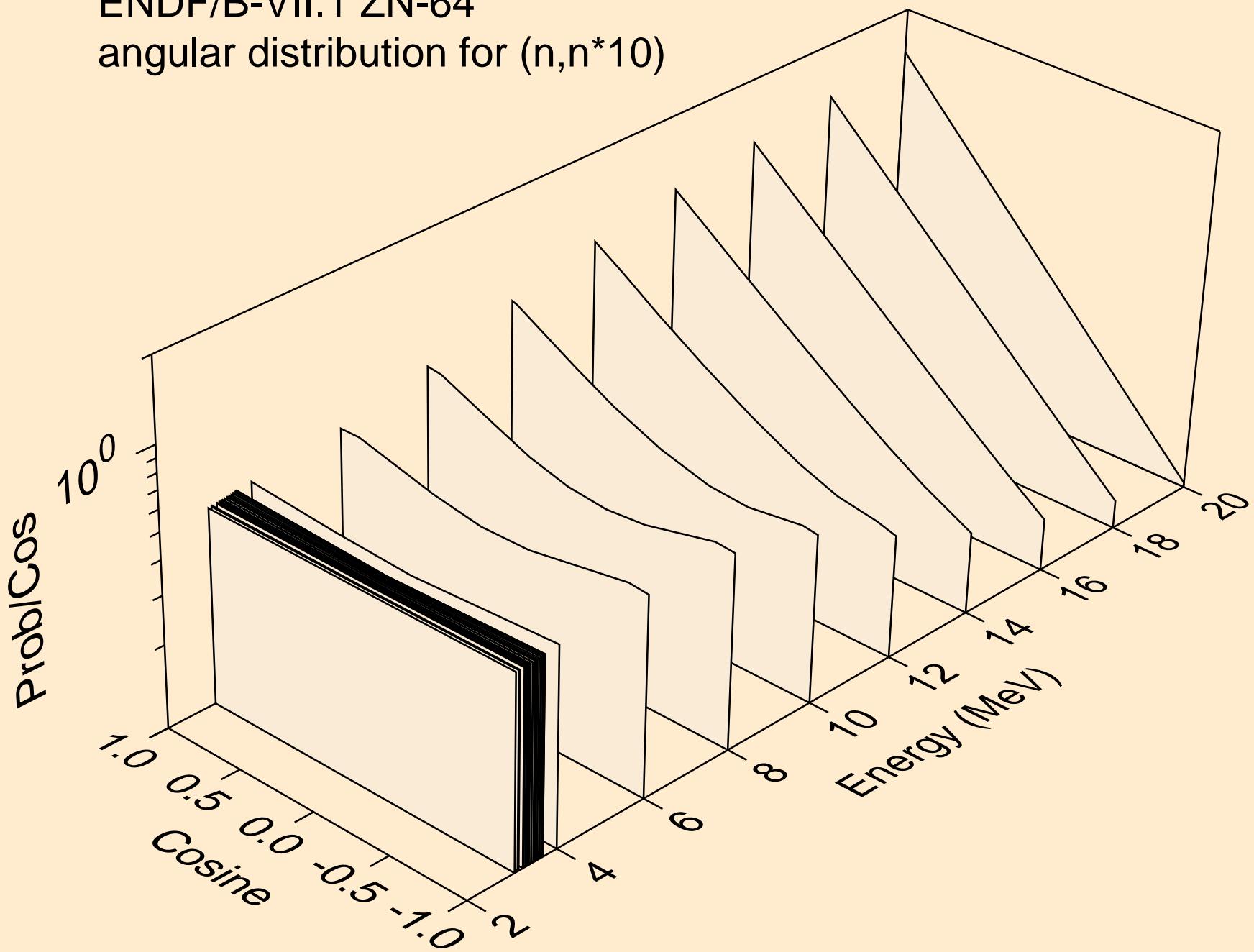
ENDF/B-VII.1 ZN-64  
angular distribution for  $(n,n^*8)$



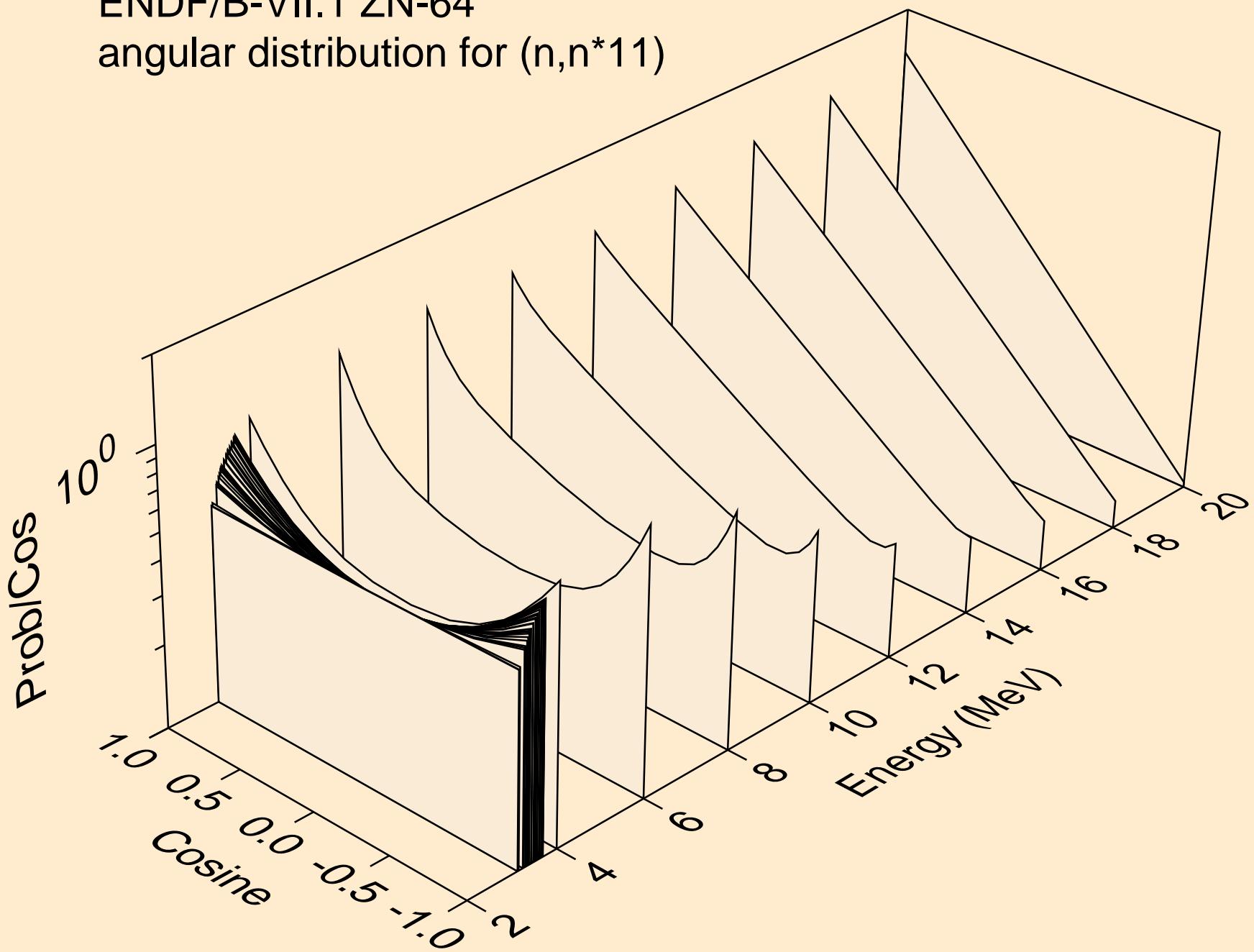
ENDF/B-VII.1 ZN-64  
angular distribution for  $(n,n^*9)$



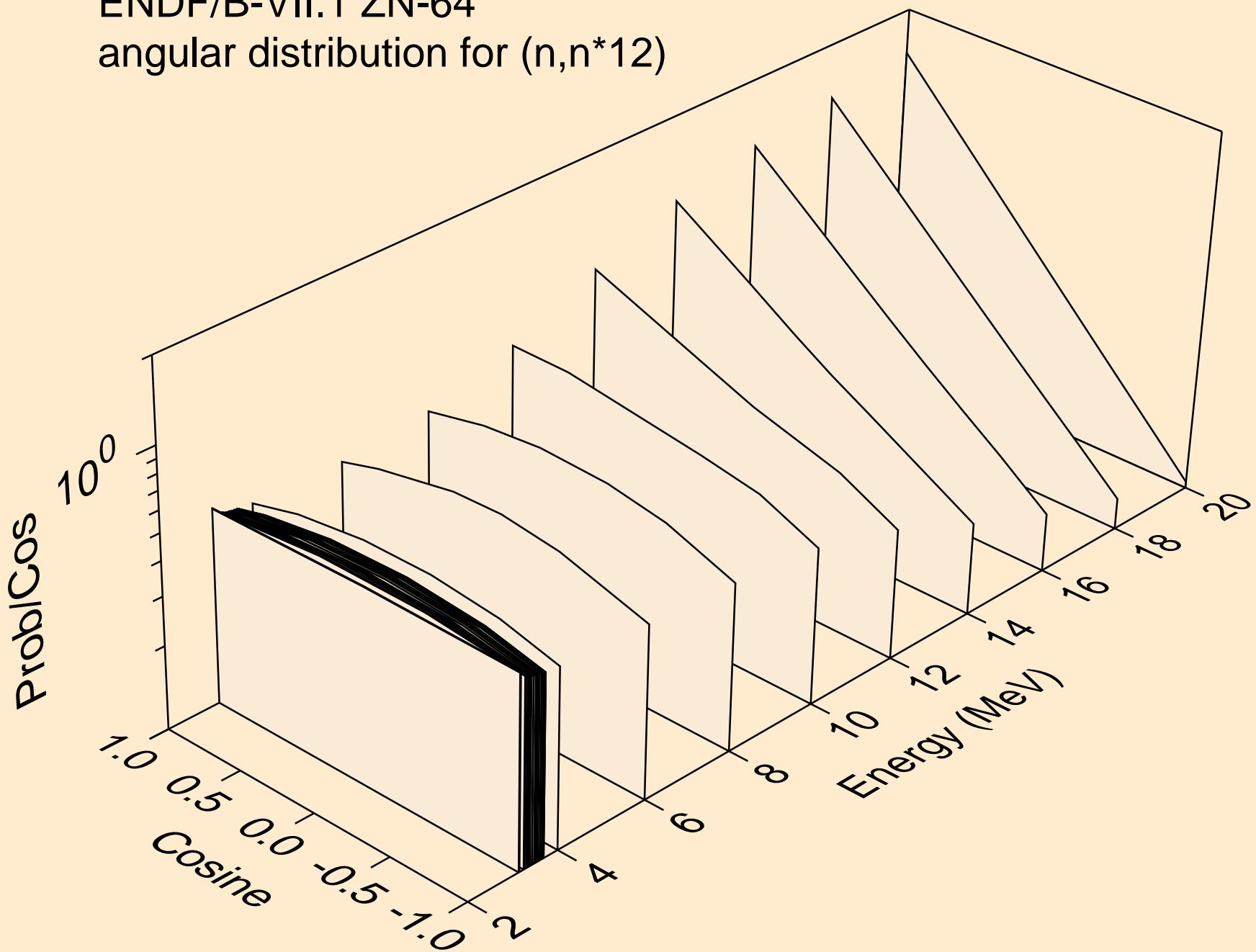
ENDF/B-VII.1 ZN-64  
angular distribution for (n,n\*10)



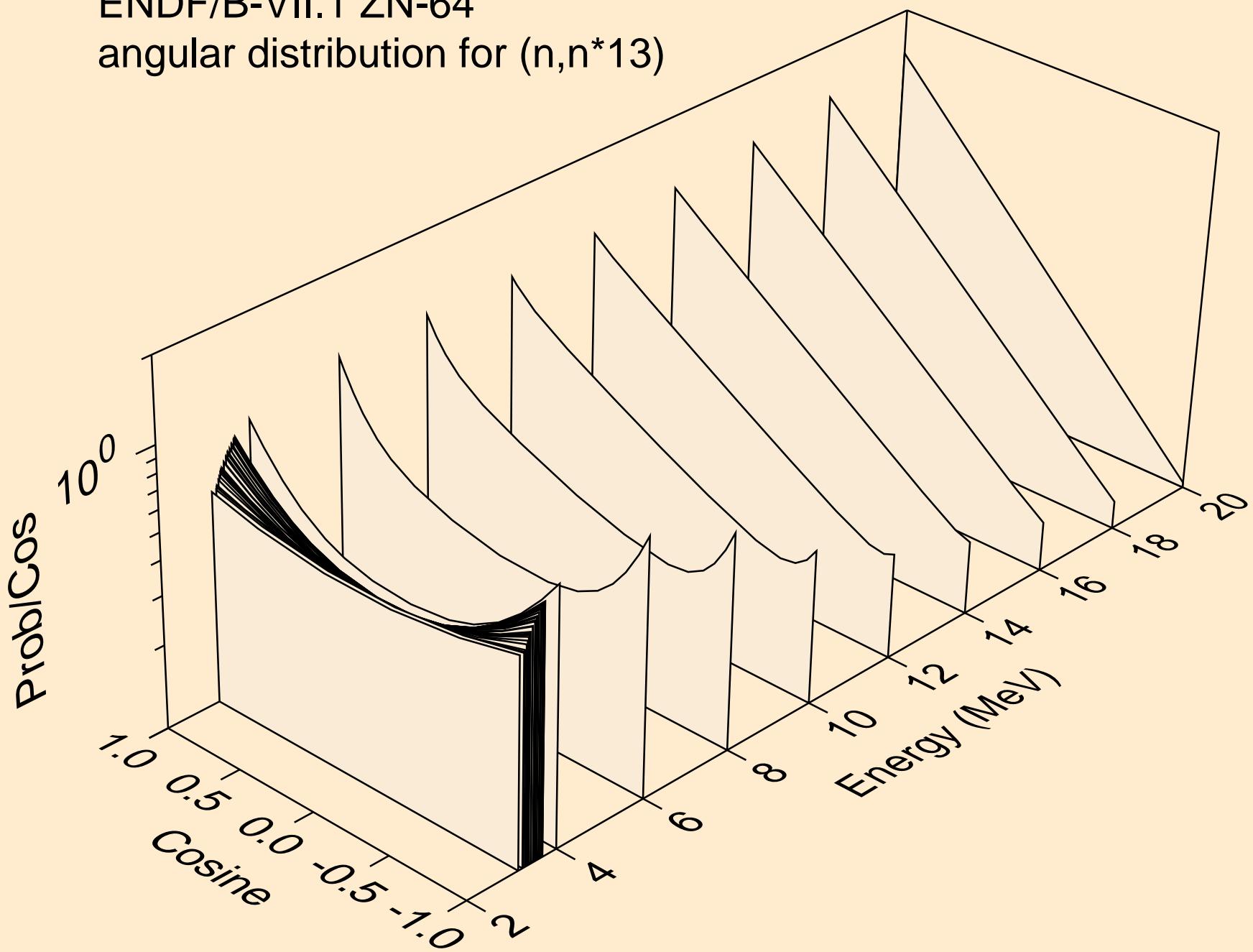
ENDF/B-VII.1 ZN-64  
angular distribution for (n,n\*11)



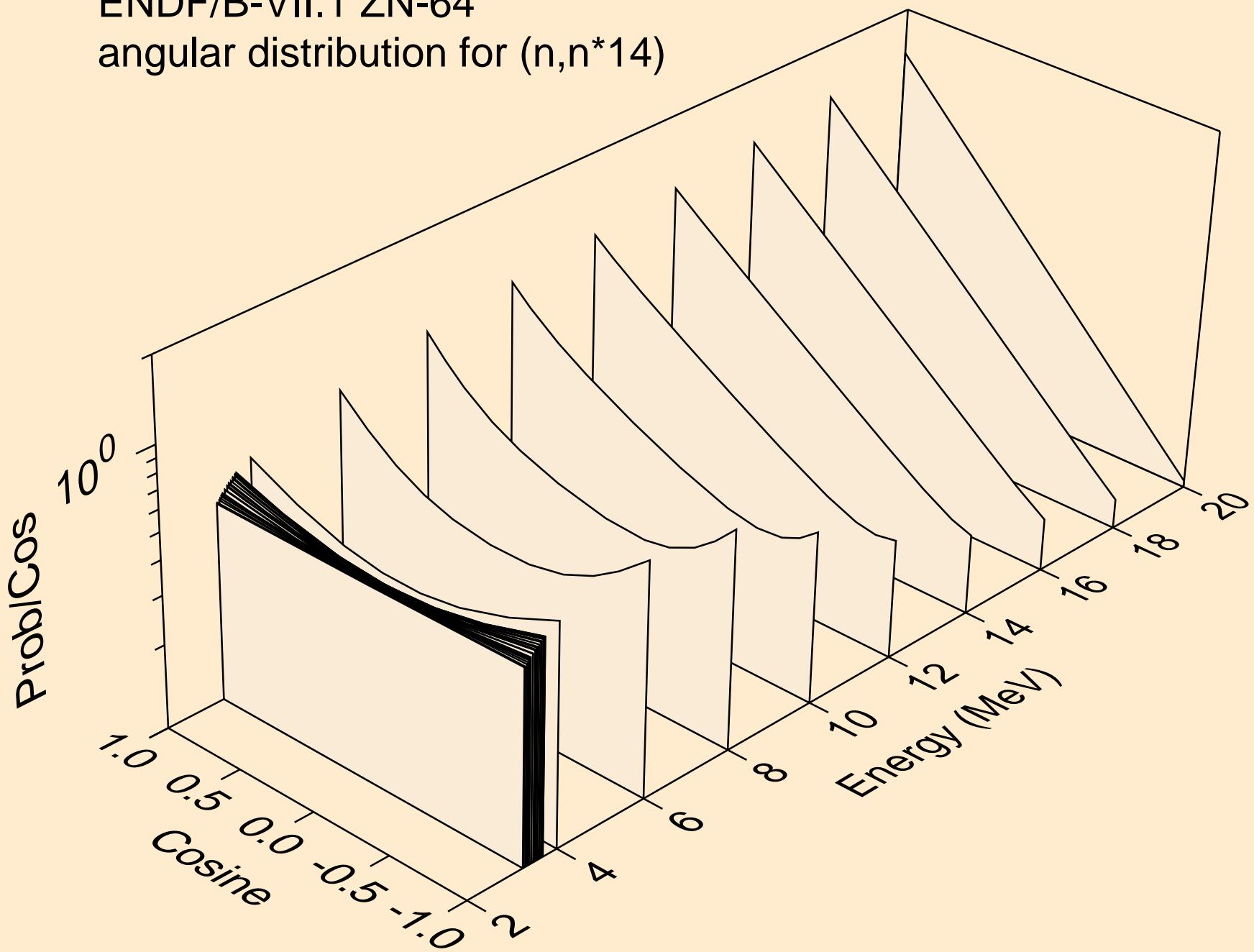
ENDF/B-VII.1 ZN-64  
angular distribution for (n,n\*12)



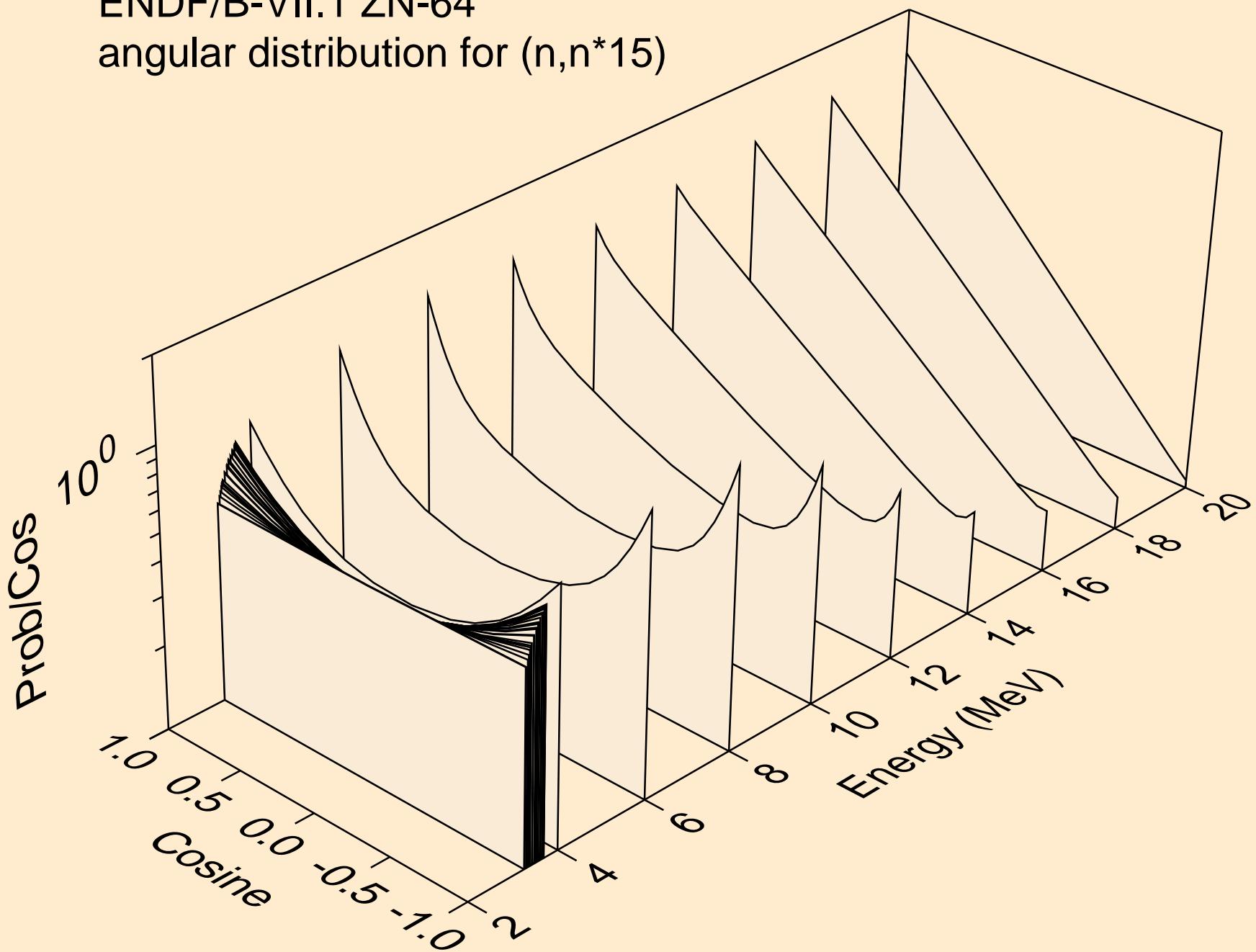
ENDF/B-VII.1 ZN-64  
angular distribution for (n,n\*13)



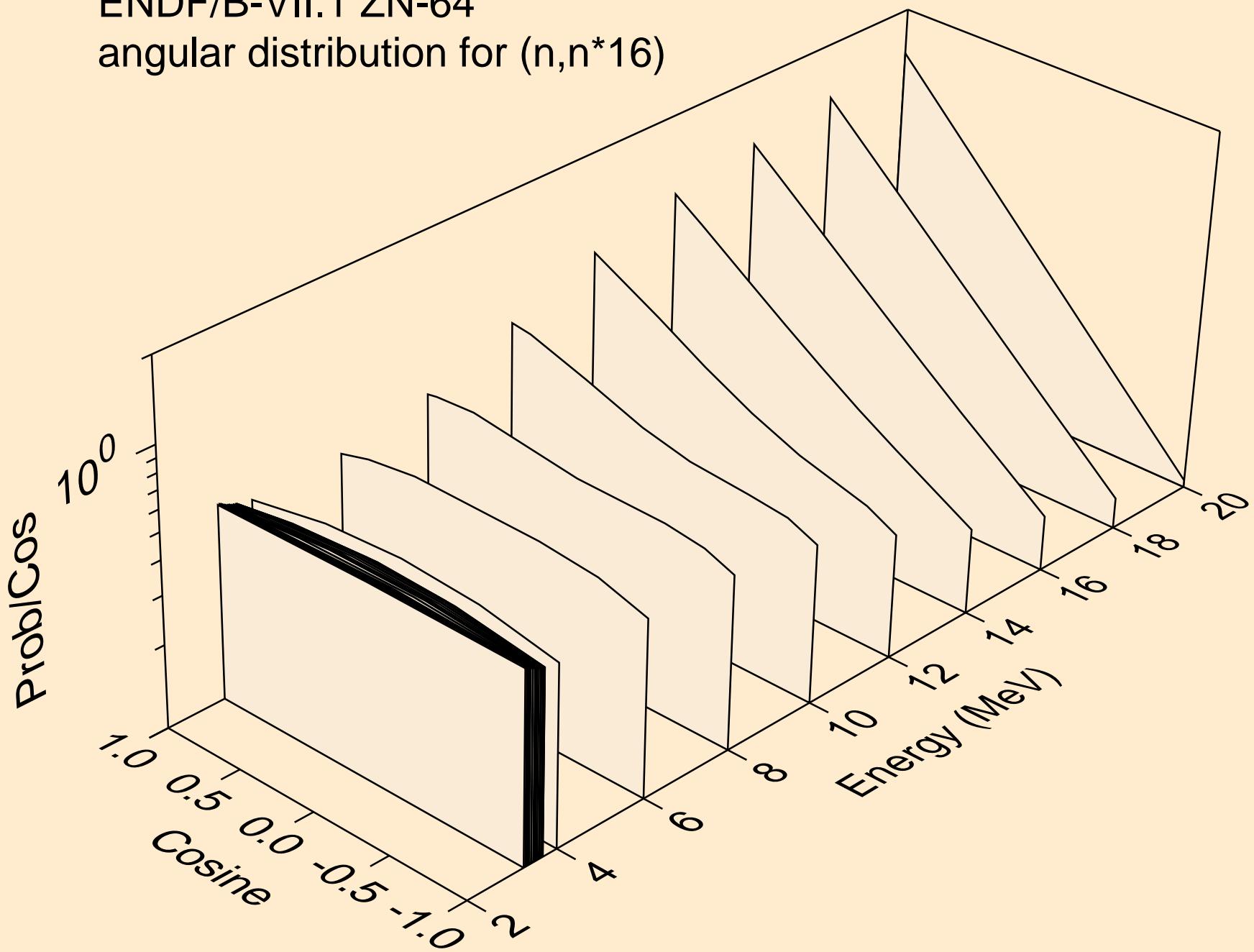
ENDF/B-VII.1 ZN-64  
angular distribution for (n,n\*14)



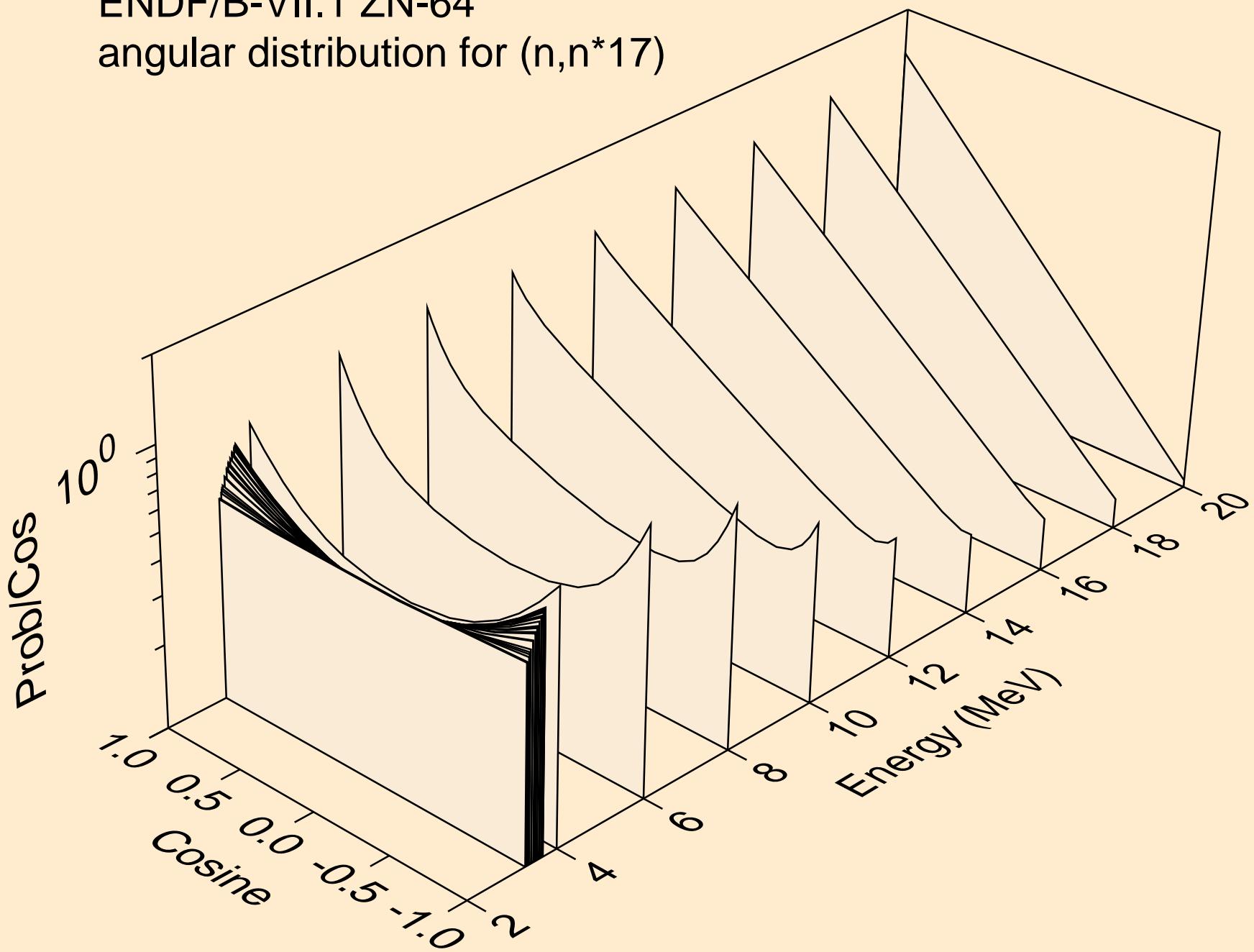
ENDF/B-VII.1 ZN-64  
angular distribution for (n,n\*15)



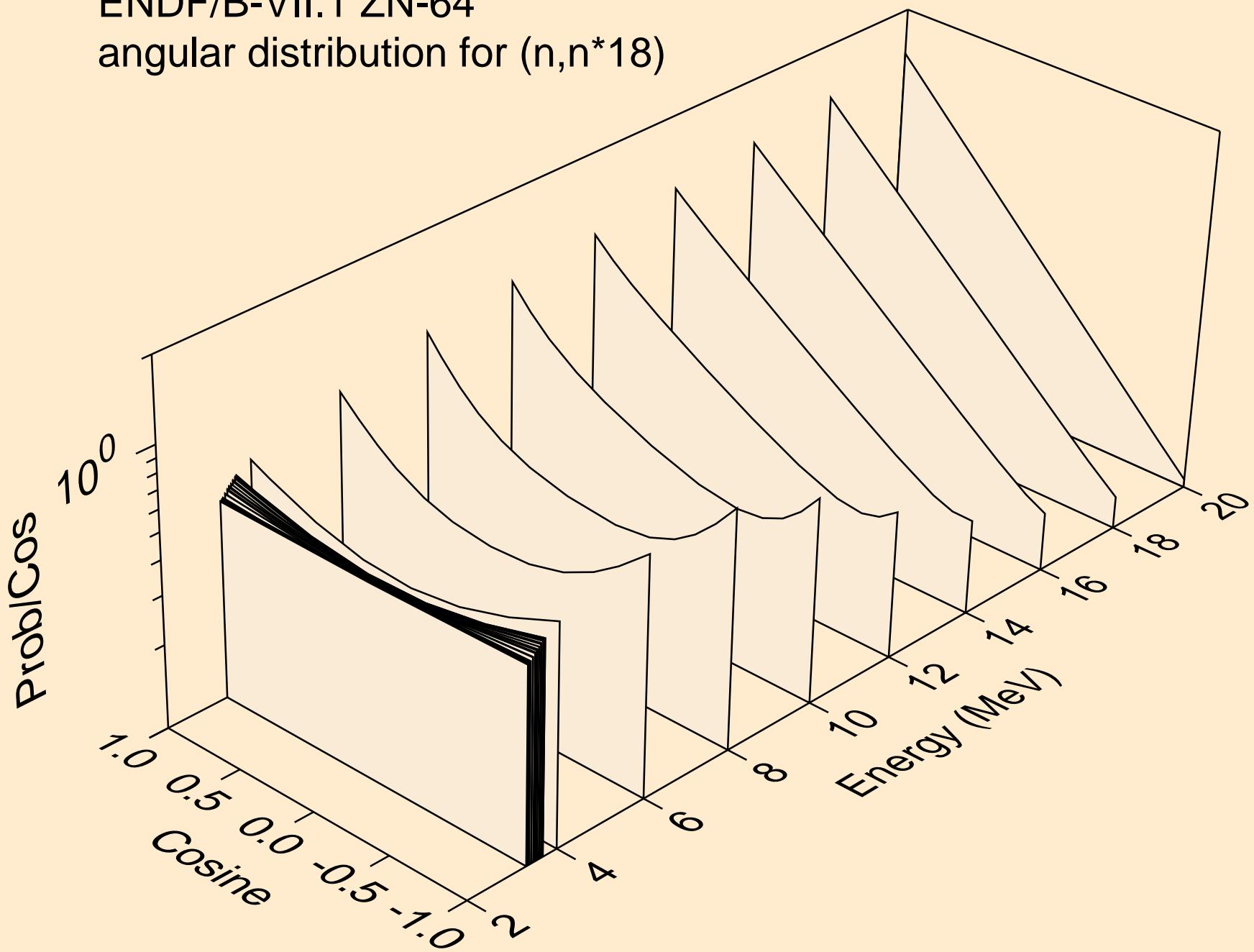
ENDF/B-VII.1 ZN-64  
angular distribution for (n,n\*16)



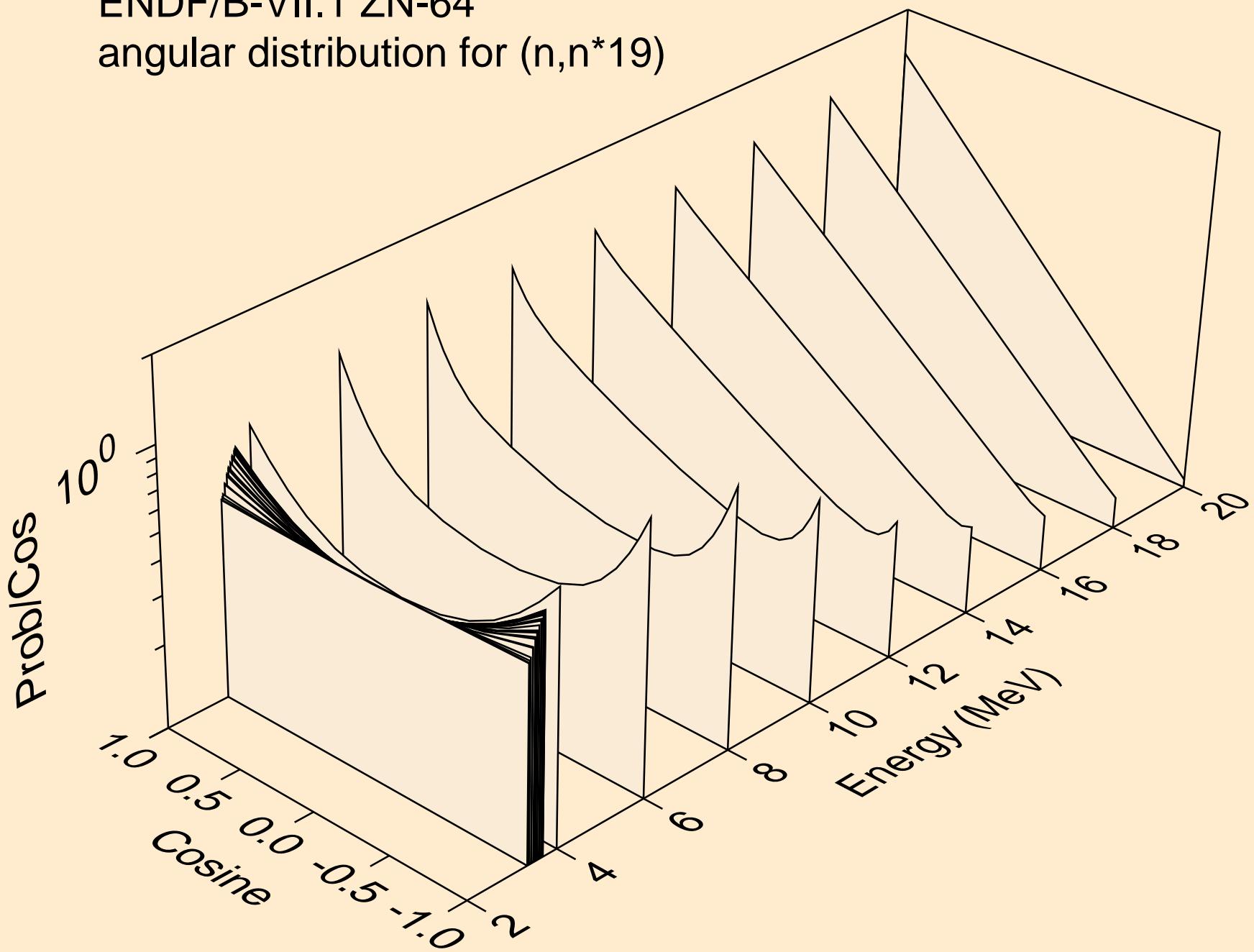
ENDF/B-VII.1 ZN-64  
angular distribution for (n,n\*17)



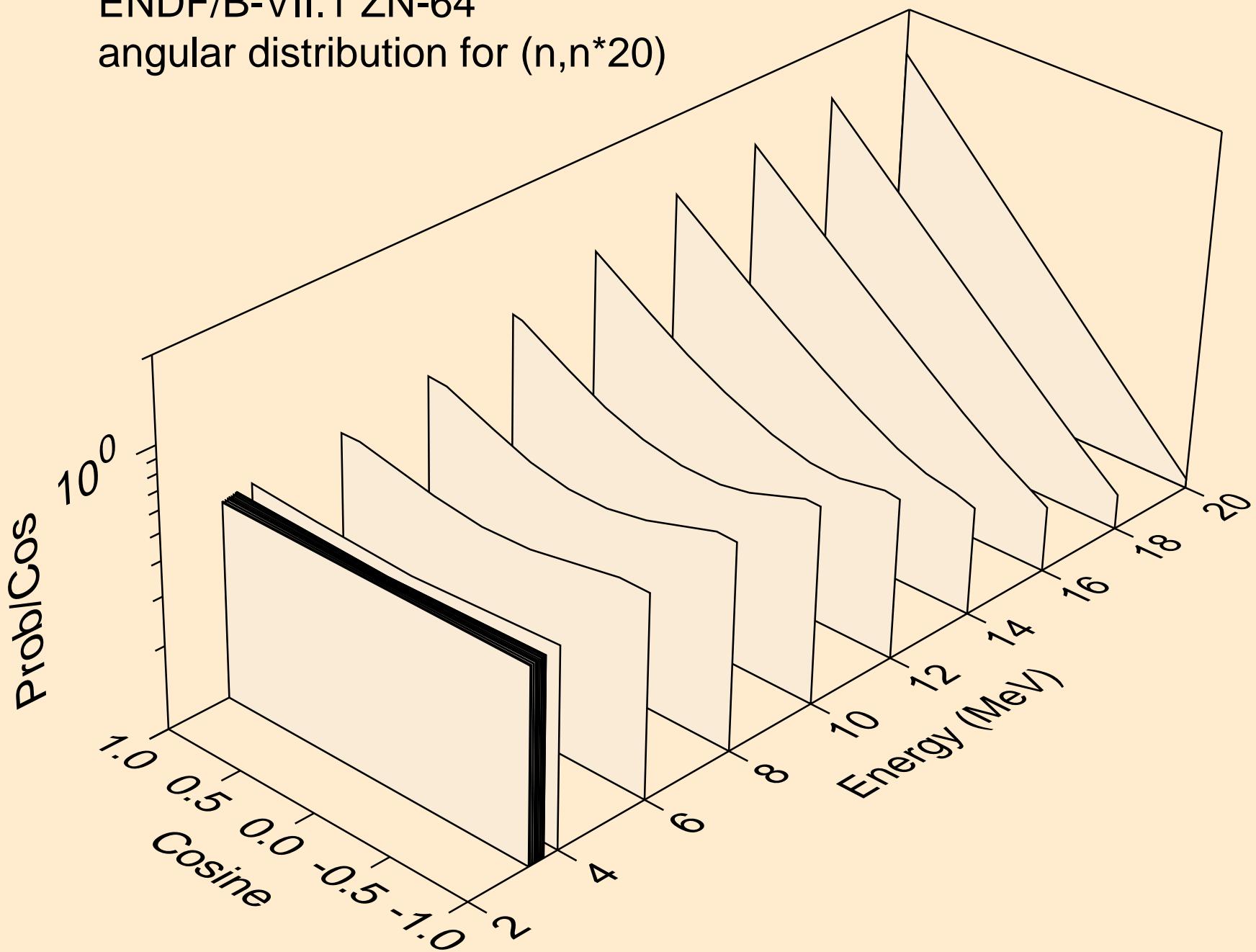
ENDF/B-VII.1 ZN-64  
angular distribution for (n,n\*18)



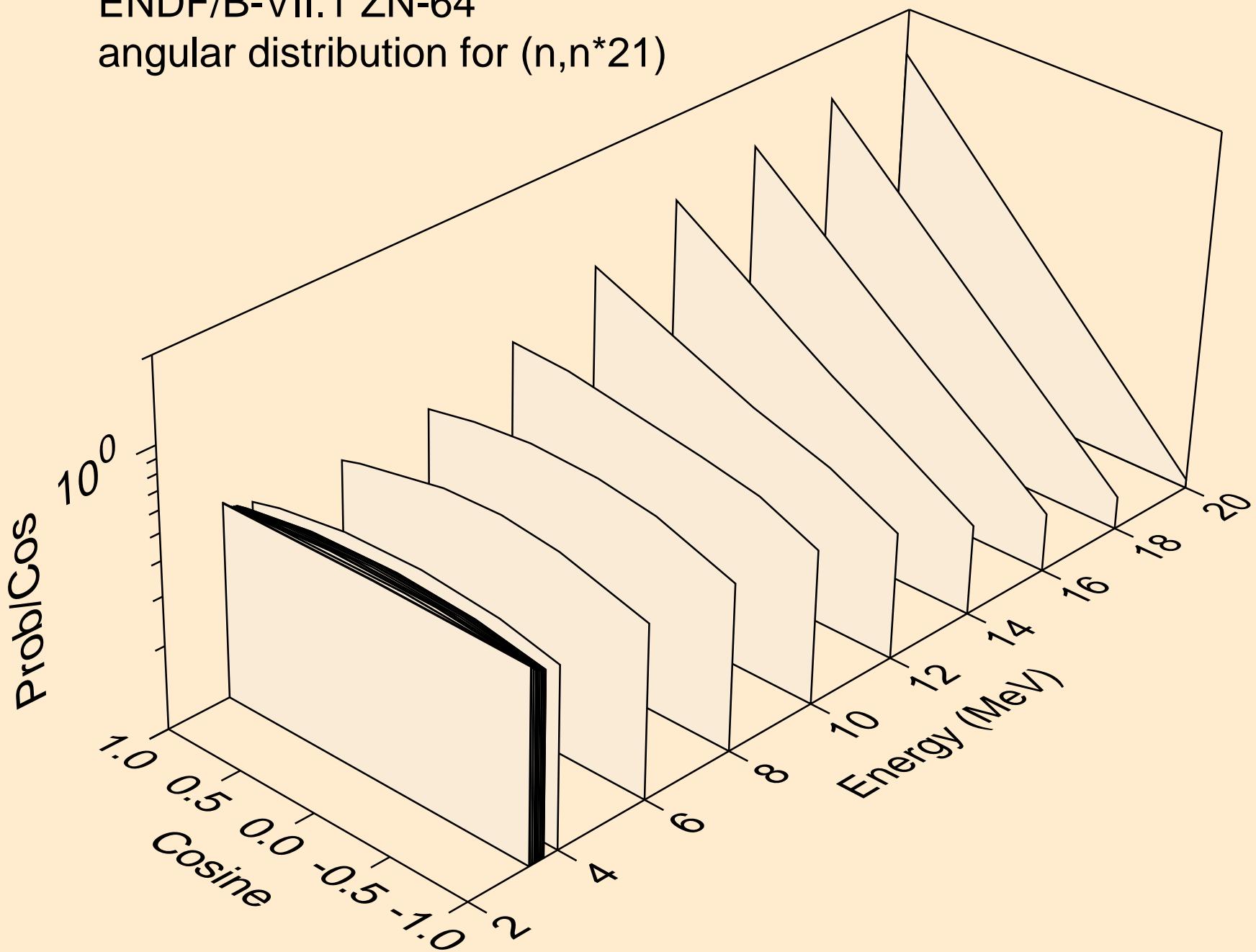
ENDF/B-VII.1 ZN-64  
angular distribution for (n,n\*19)



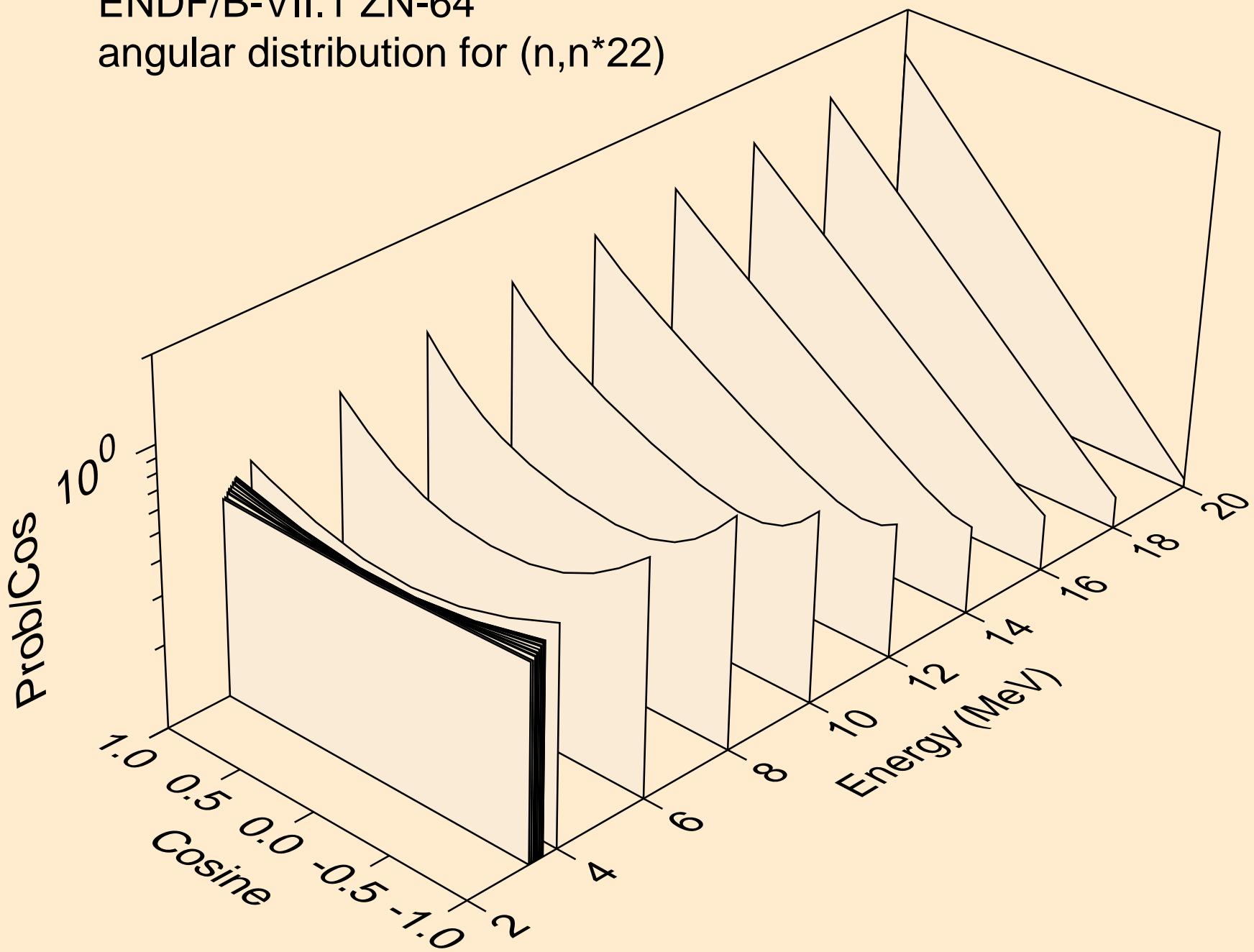
ENDF/B-VII.1 ZN-64  
angular distribution for (n,n\*20)



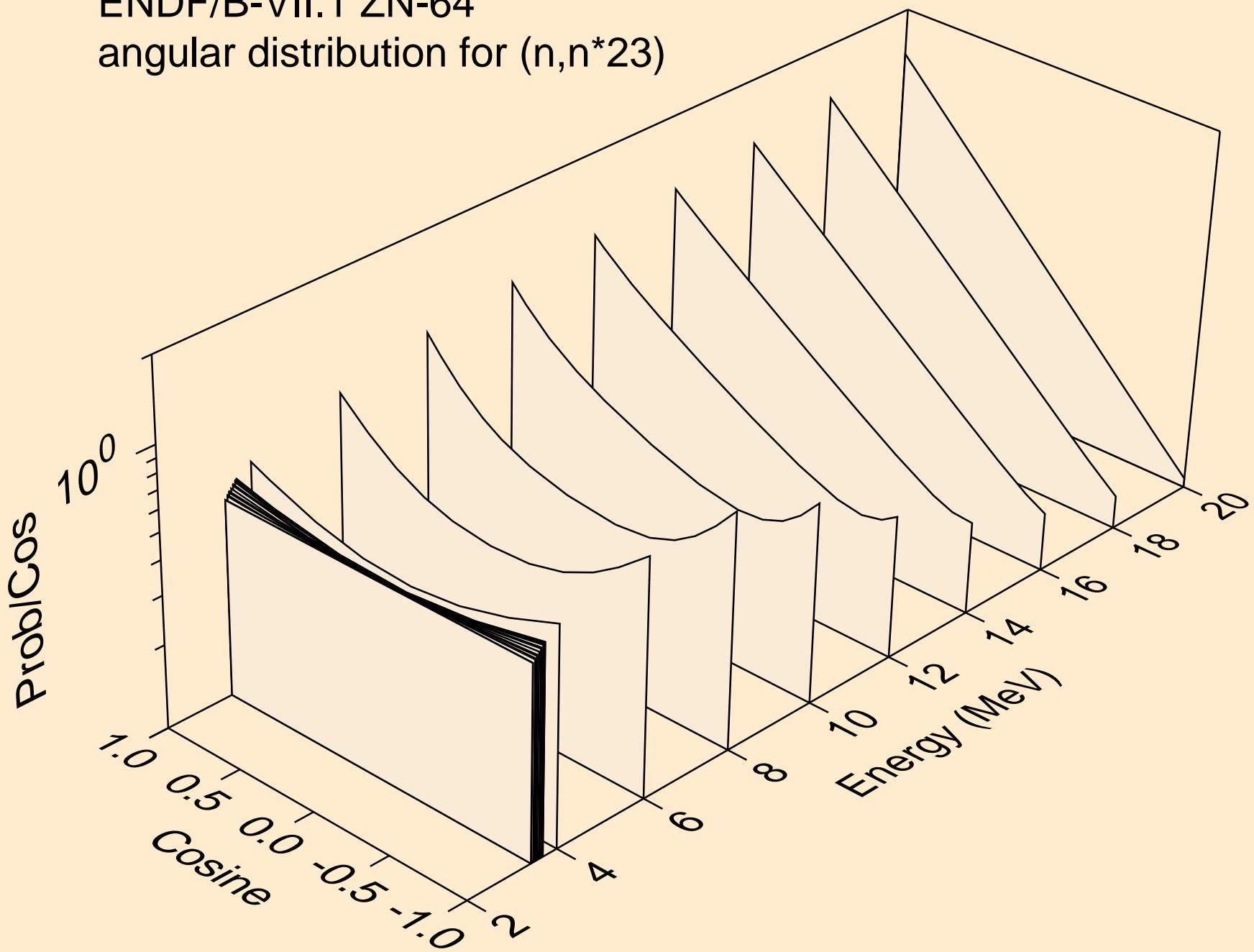
ENDF/B-VII.1 ZN-64  
angular distribution for ( $n, n^* 21$ )



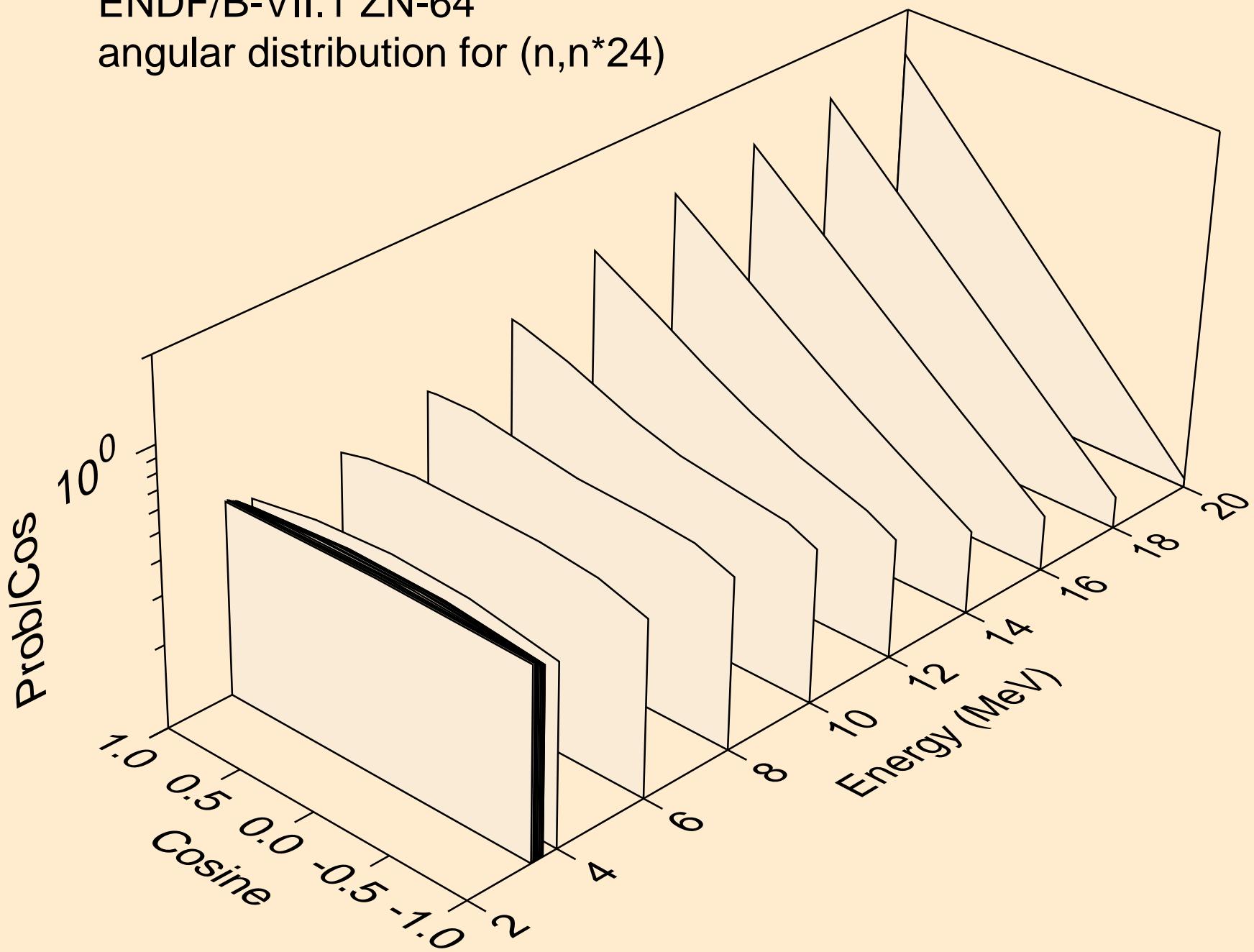
ENDF/B-VII.1 ZN-64  
angular distribution for  $(n,n^*22)$



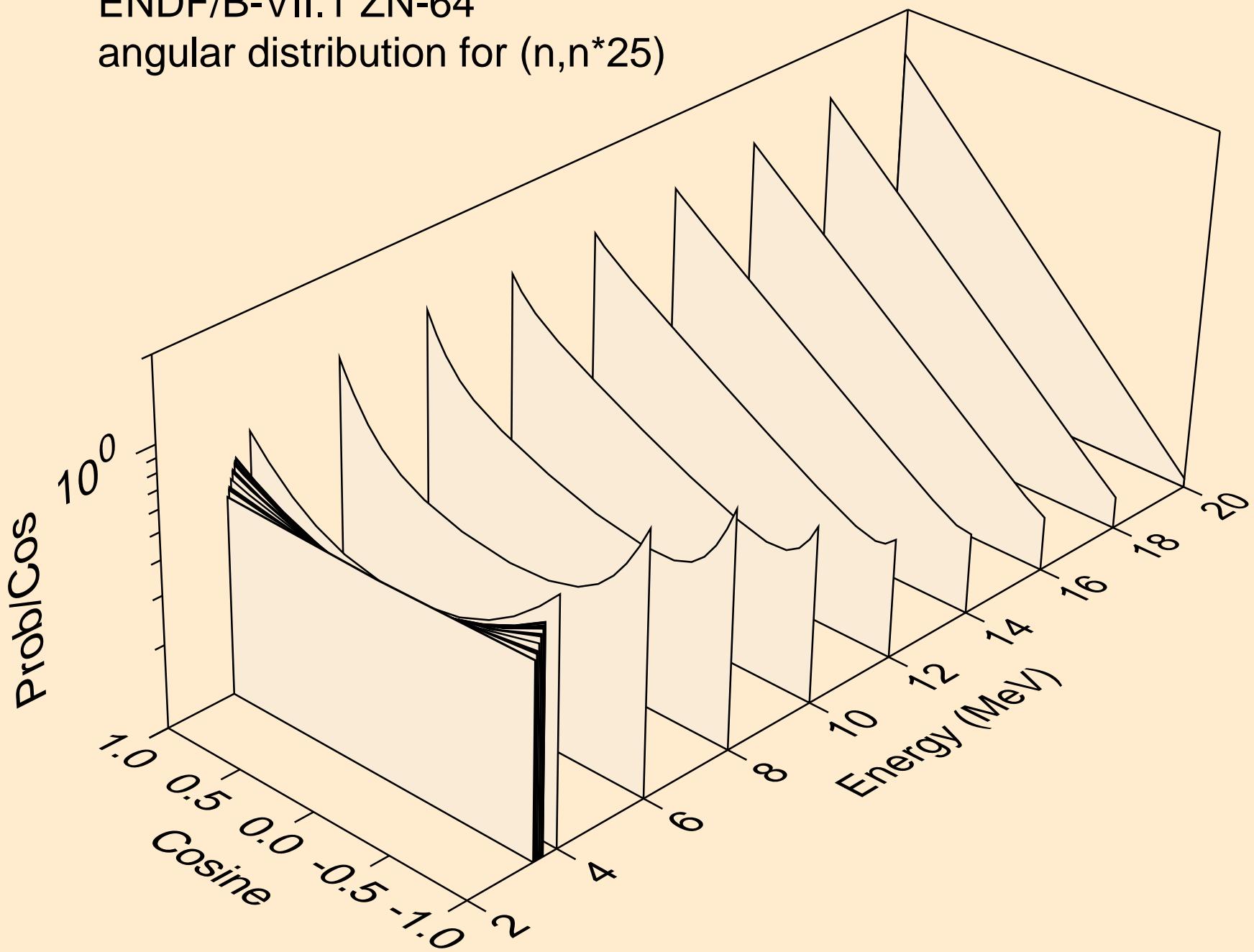
ENDF/B-VII.1 ZN-64  
angular distribution for (n,n\*23)



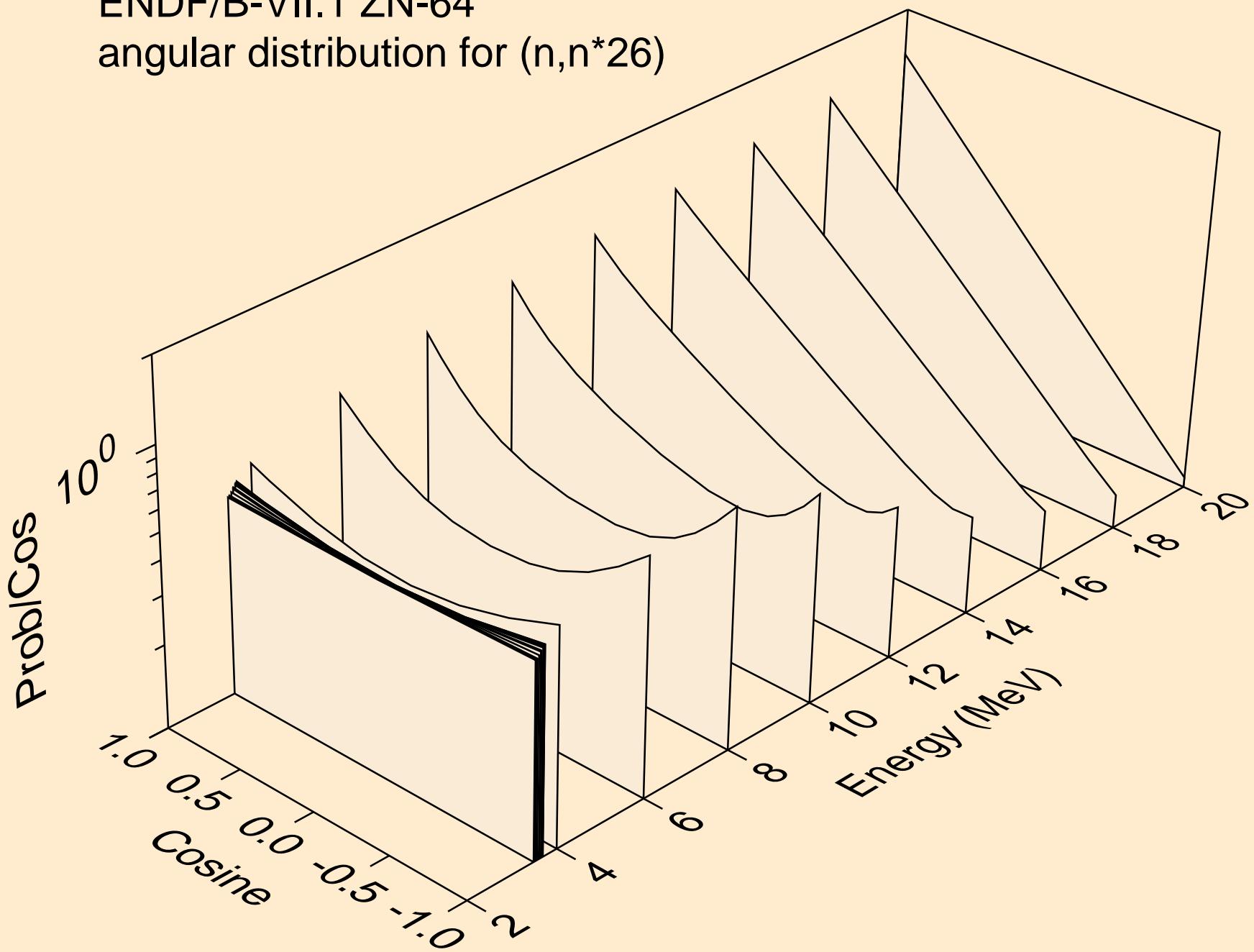
ENDF/B-VII.1 ZN-64  
angular distribution for (n,n\*24)



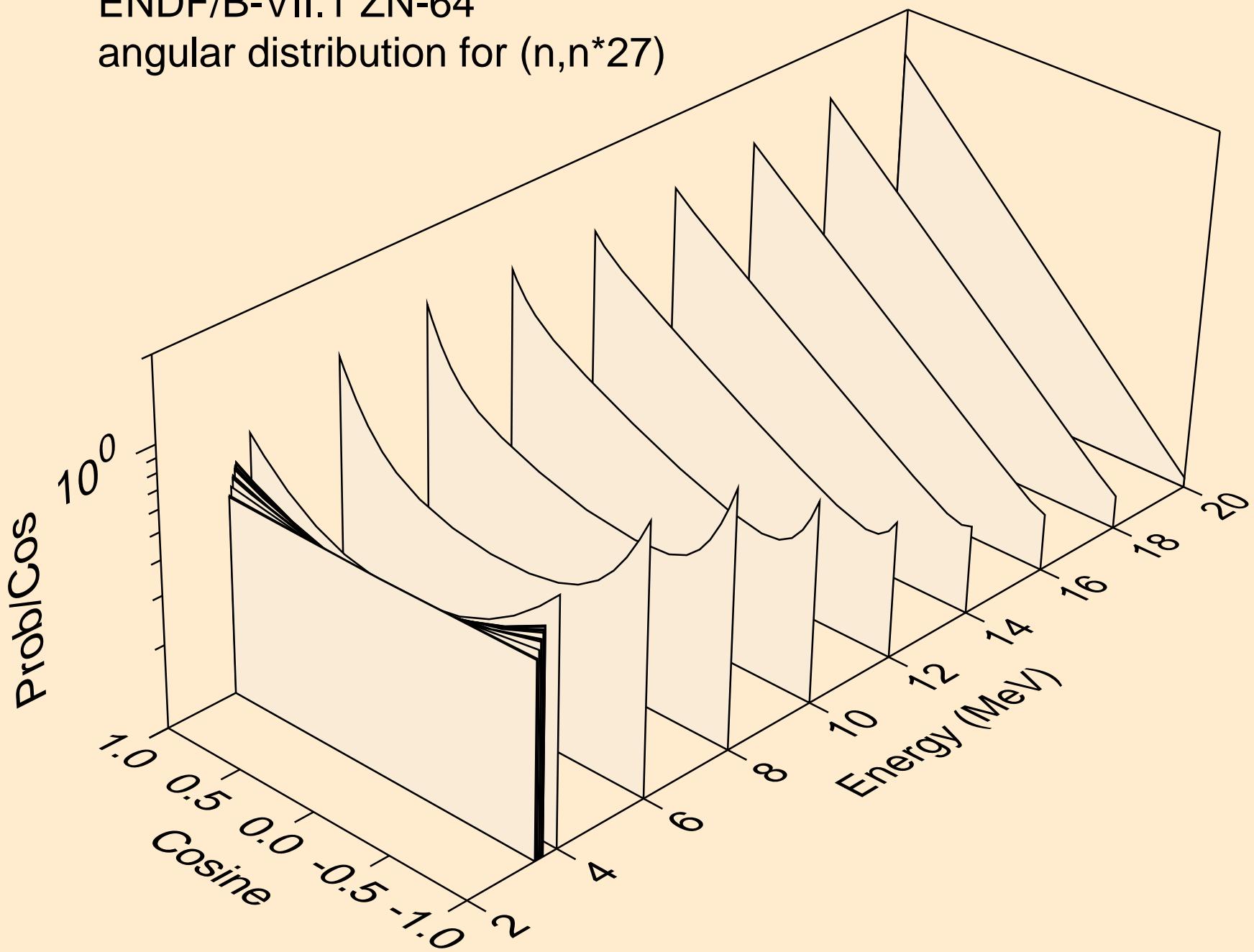
ENDF/B-VII.1 ZN-64  
angular distribution for (n,n\*25)



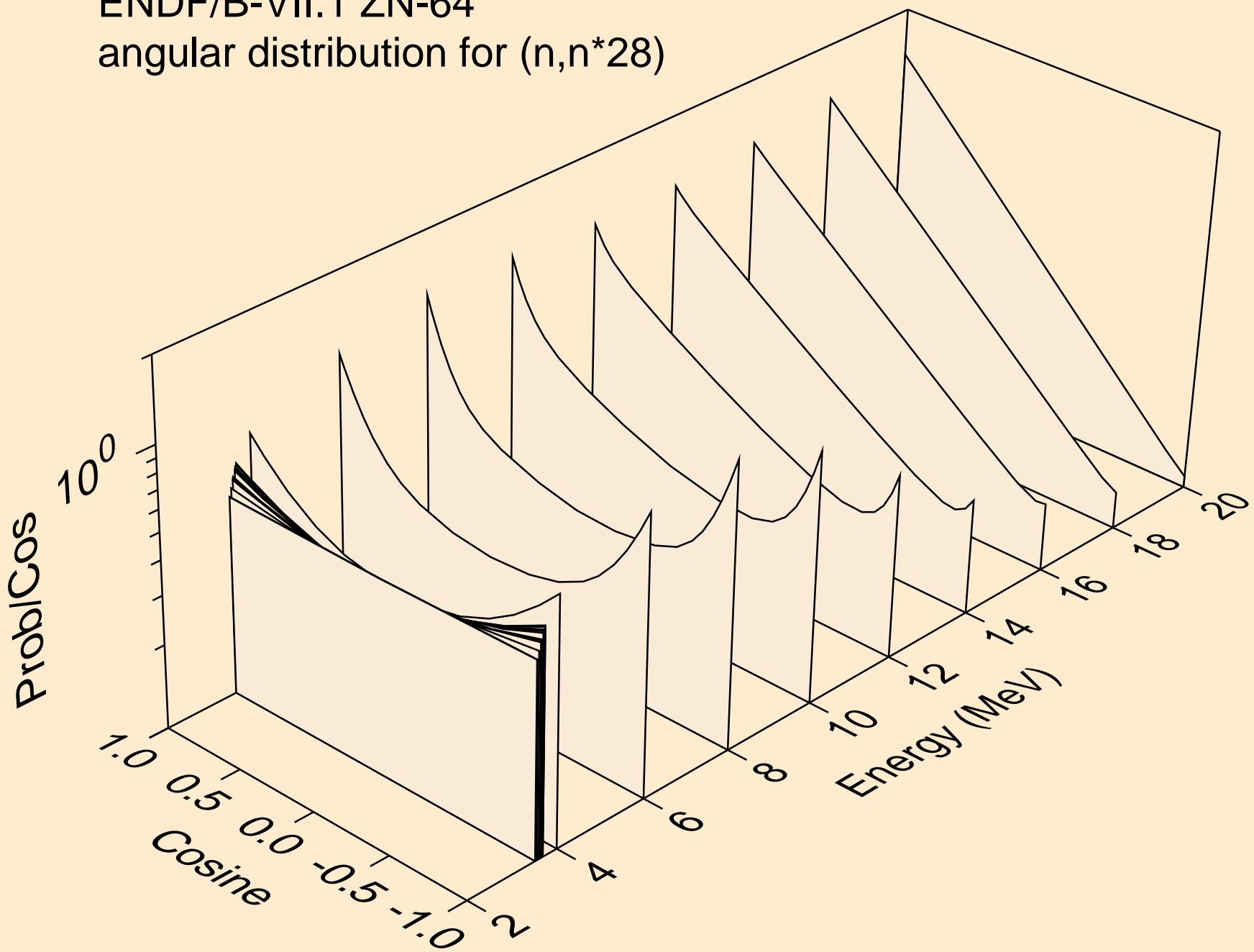
ENDF/B-VII.1 ZN-64  
angular distribution for (n,n\*26)



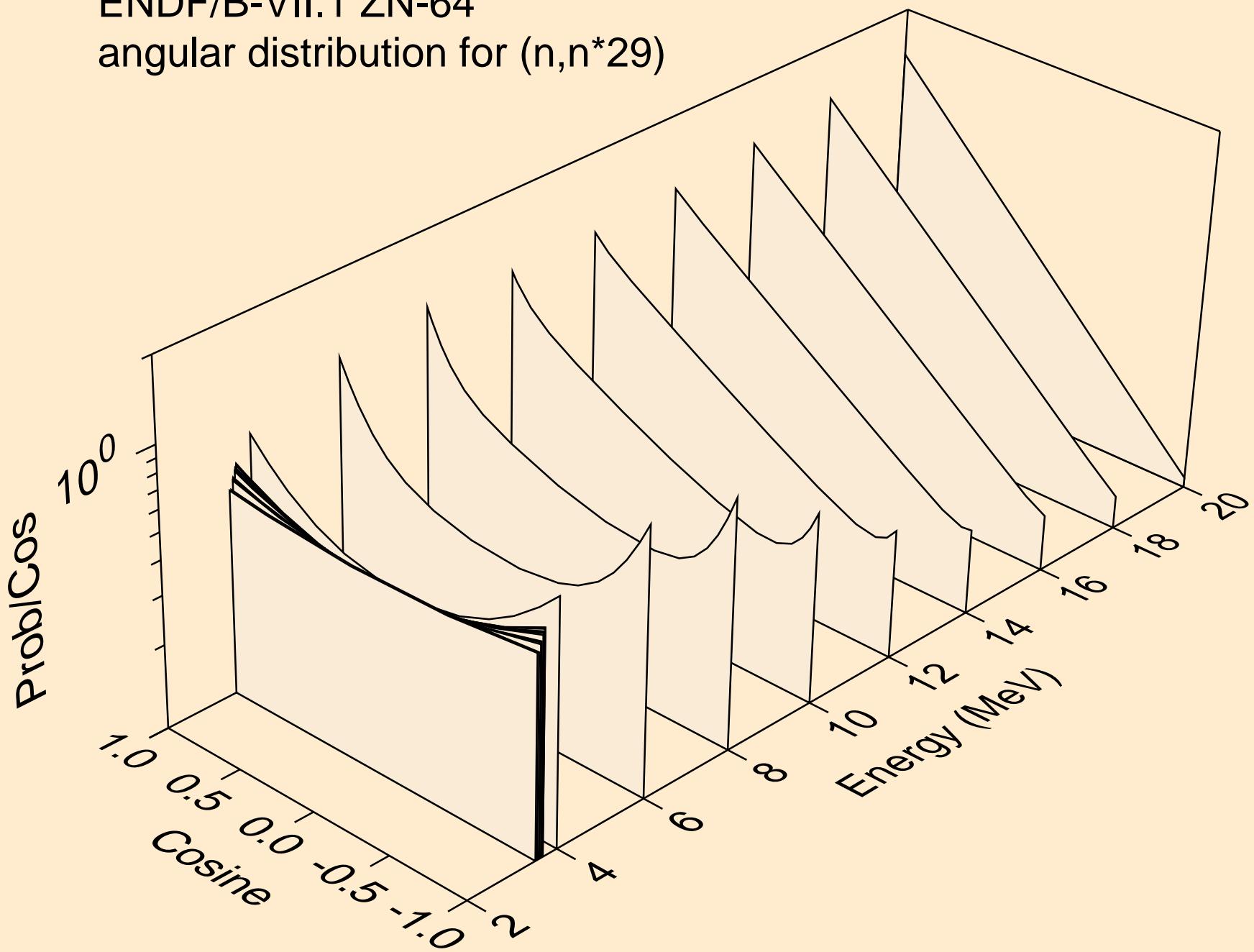
ENDF/B-VII.1 ZN-64  
angular distribution for ( $n, n^* 27$ )



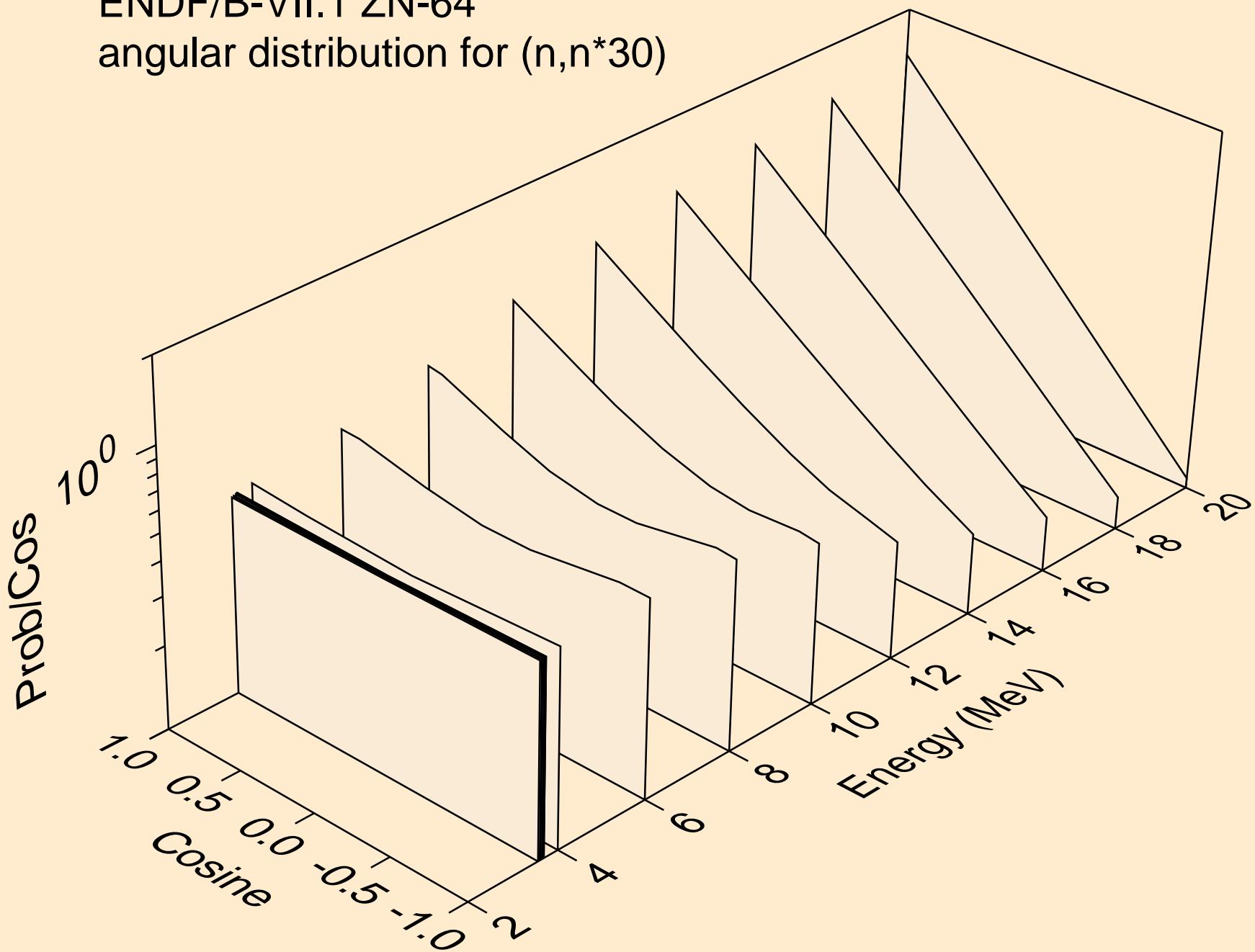
ENDF/B-VII.1 ZN-64  
angular distribution for (n,n\*28)



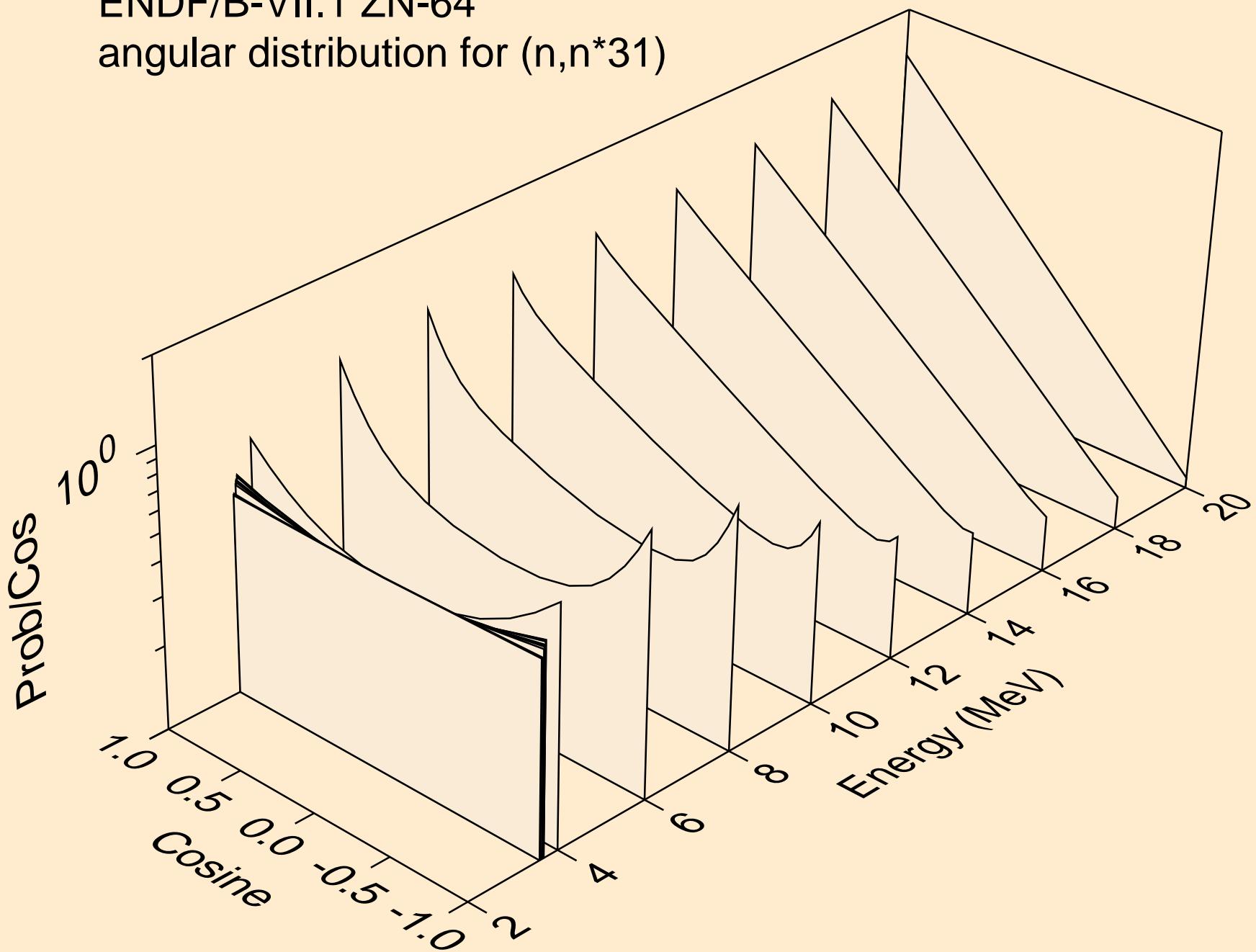
ENDF/B-VII.1 ZN-64  
angular distribution for (n,n\*29)



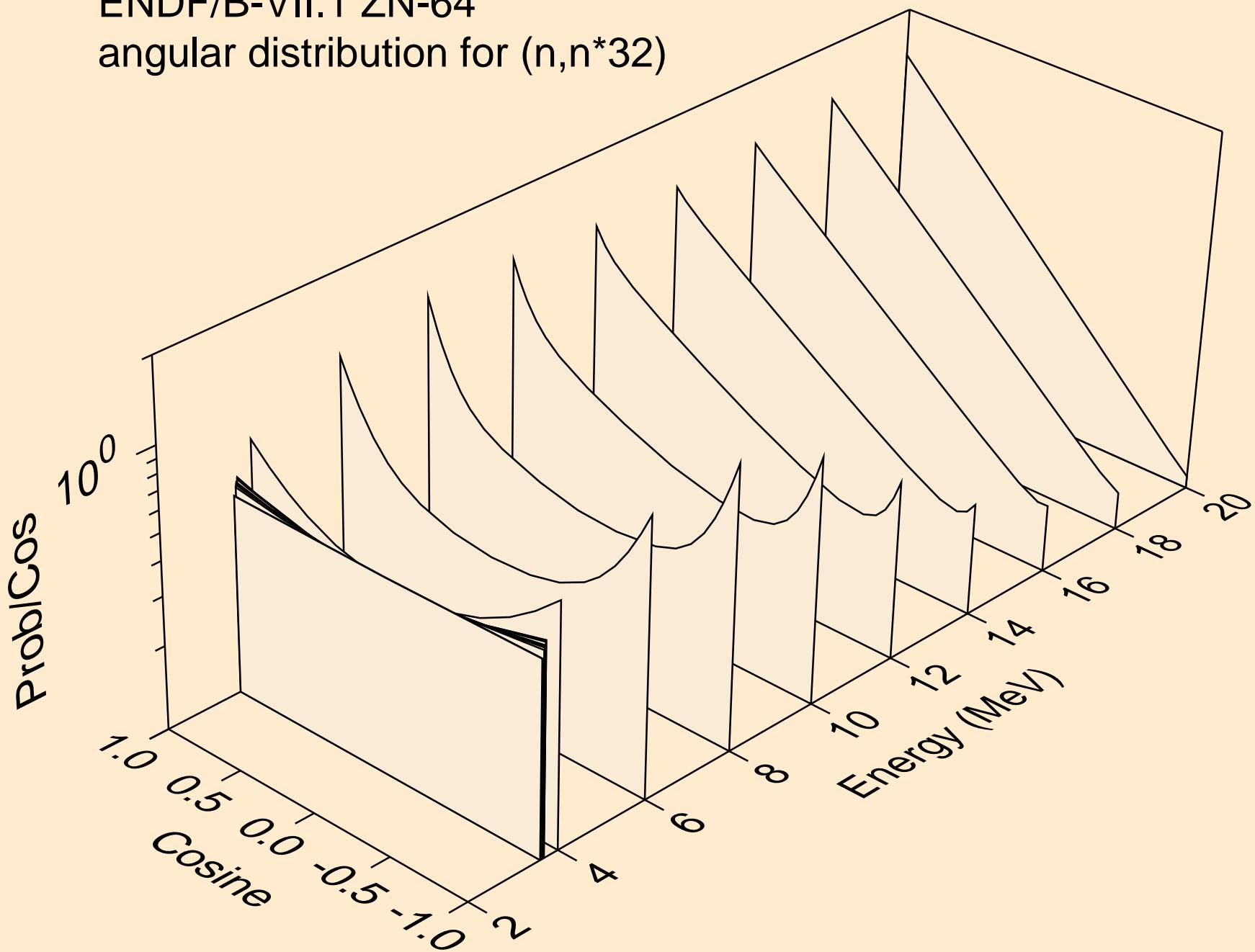
ENDF/B-VII.1 ZN-64  
angular distribution for (n,n\*30)



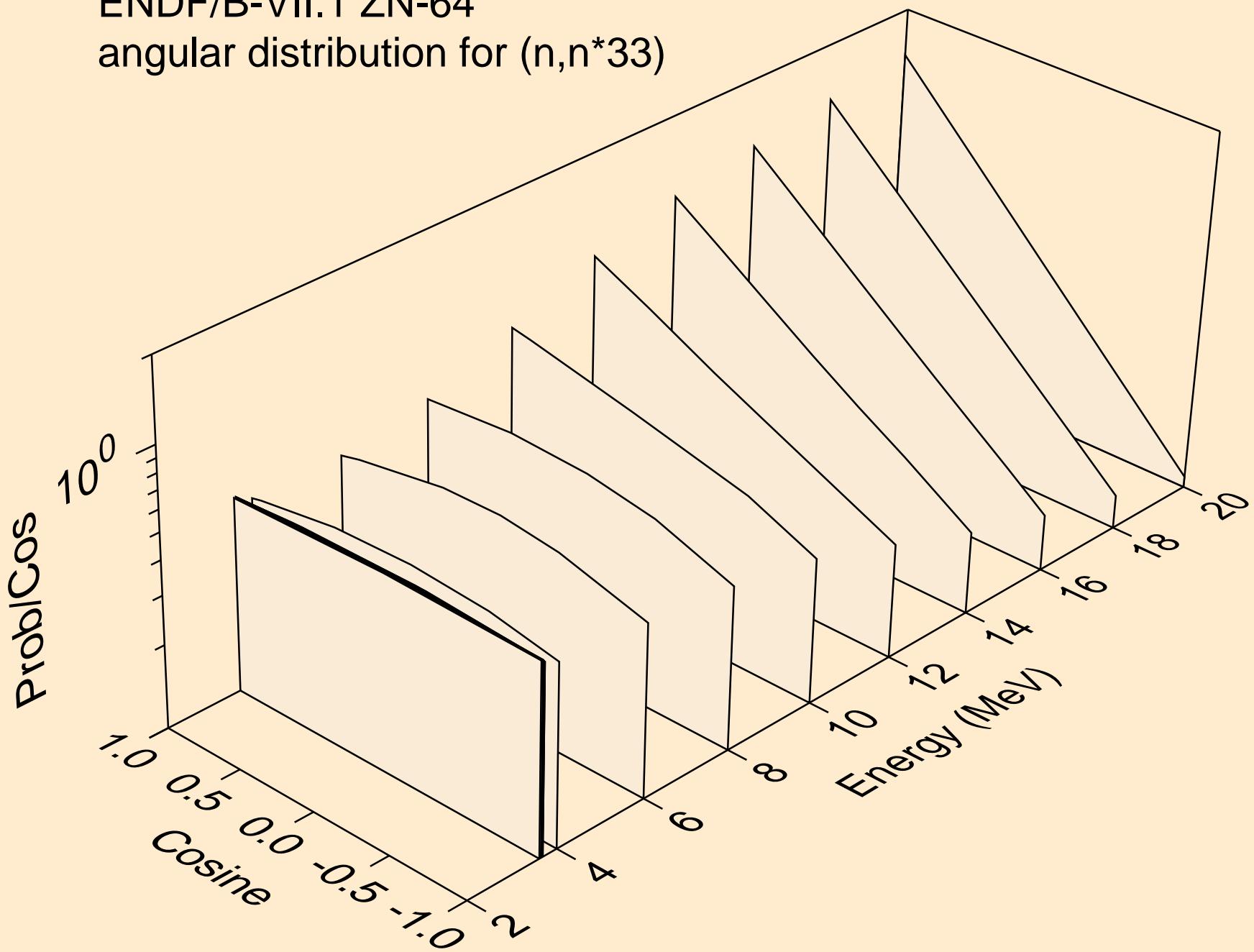
ENDF/B-VII.1 ZN-64  
angular distribution for (n,n\*31)



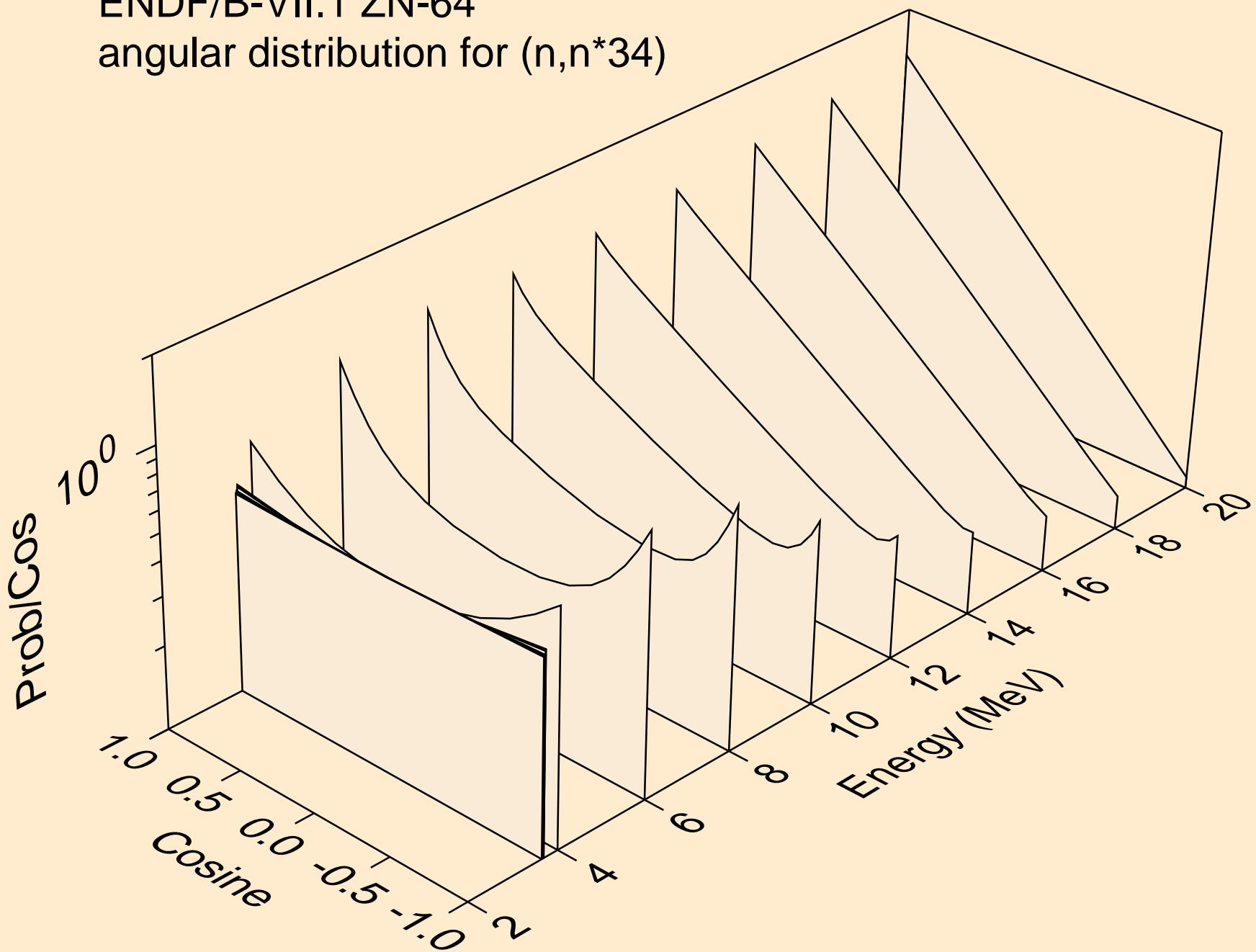
ENDF/B-VII.1 ZN-64  
angular distribution for (n,n\*32)



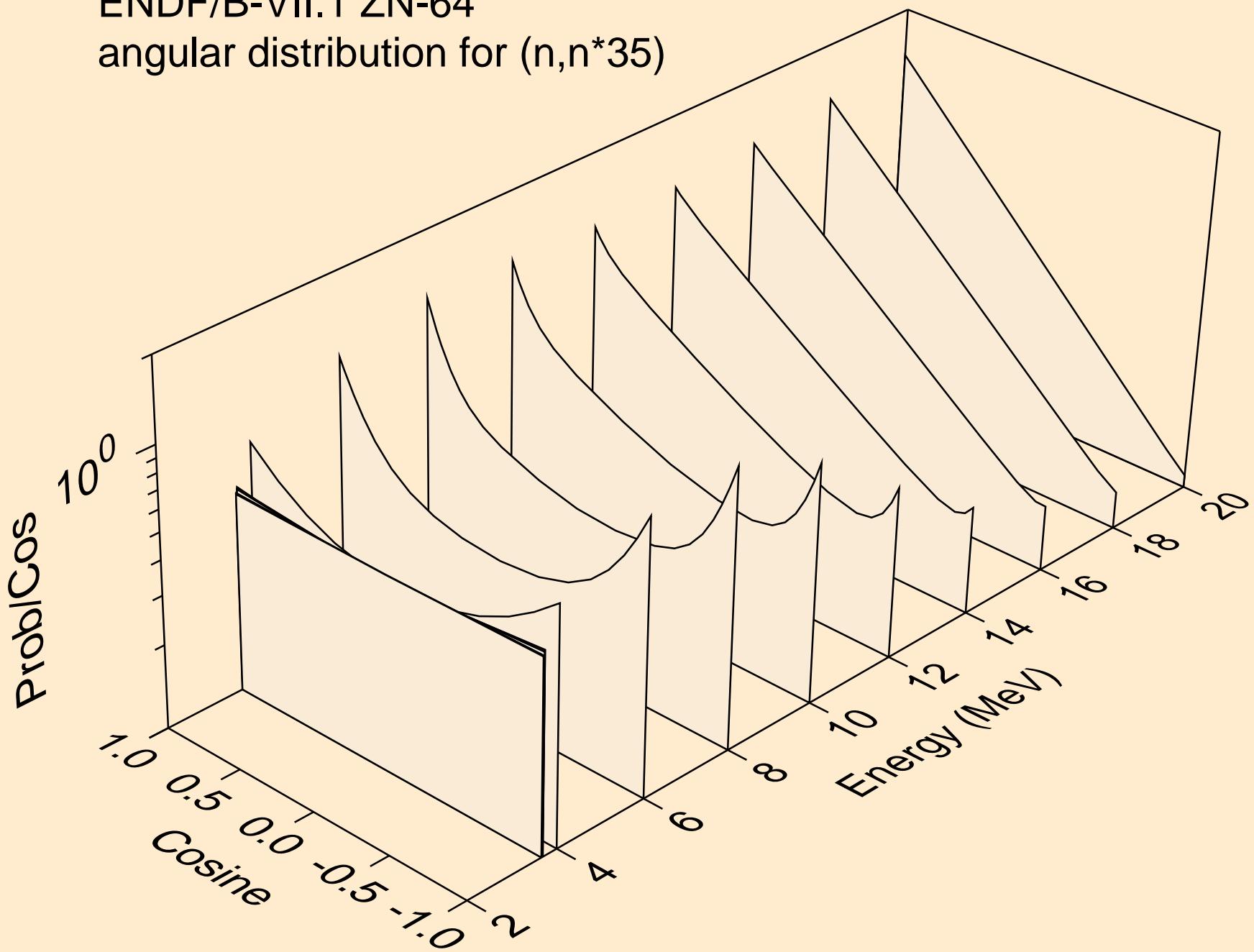
ENDF/B-VII.1 ZN-64  
angular distribution for (n,n\*33)



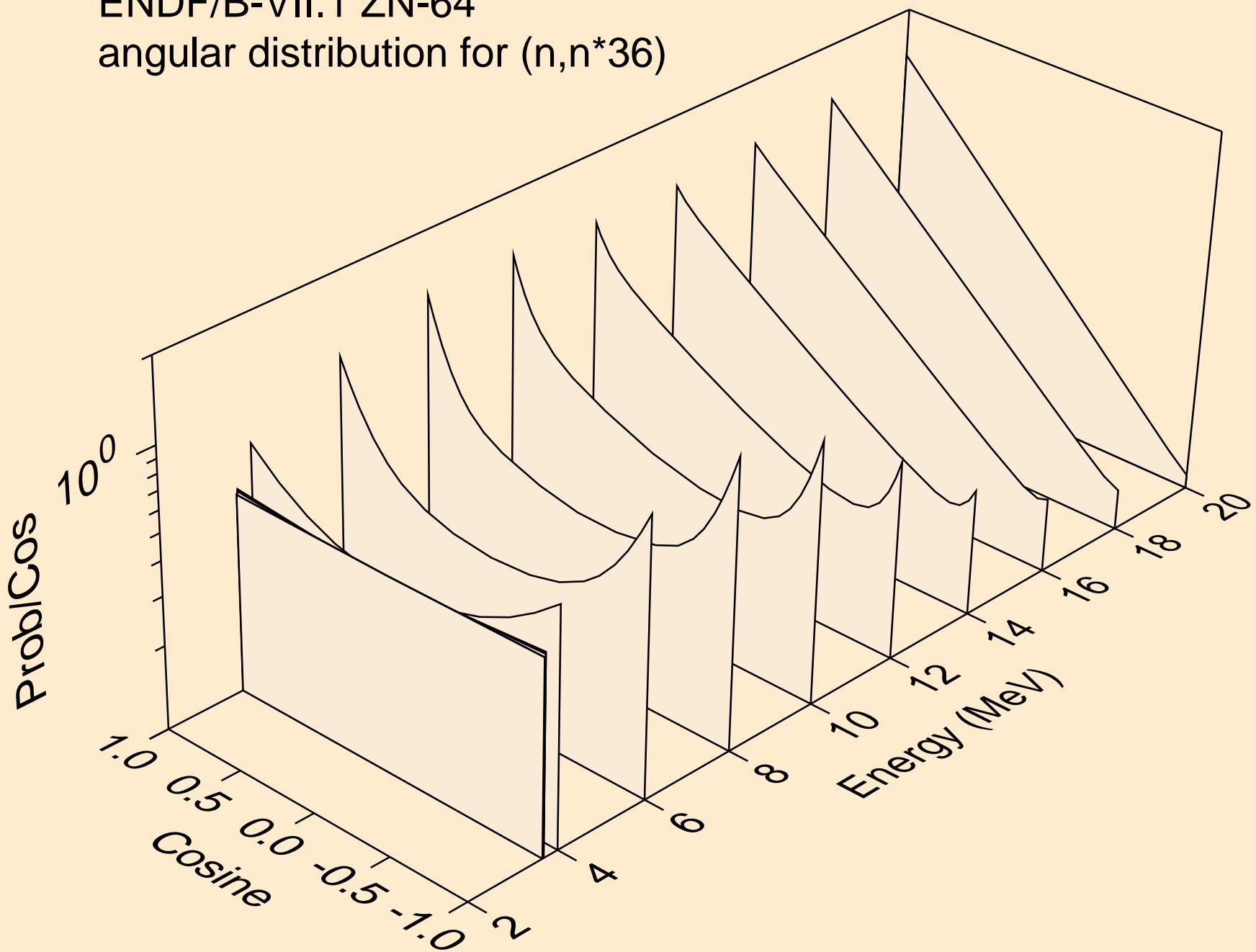
ENDF/B-VII.1 ZN-64  
angular distribution for (n,n\*34)



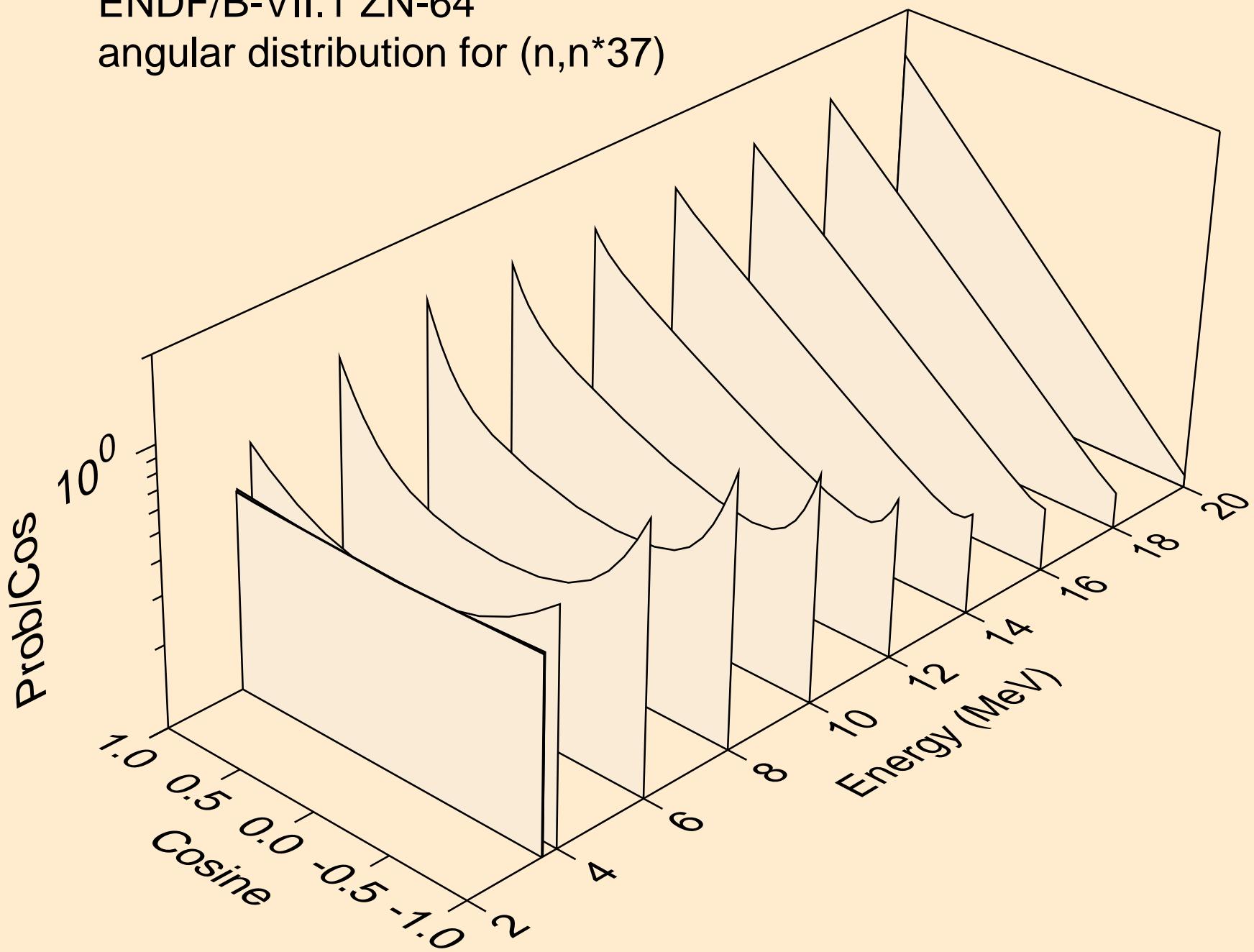
ENDF/B-VII.1 ZN-64  
angular distribution for (n,n\*35)



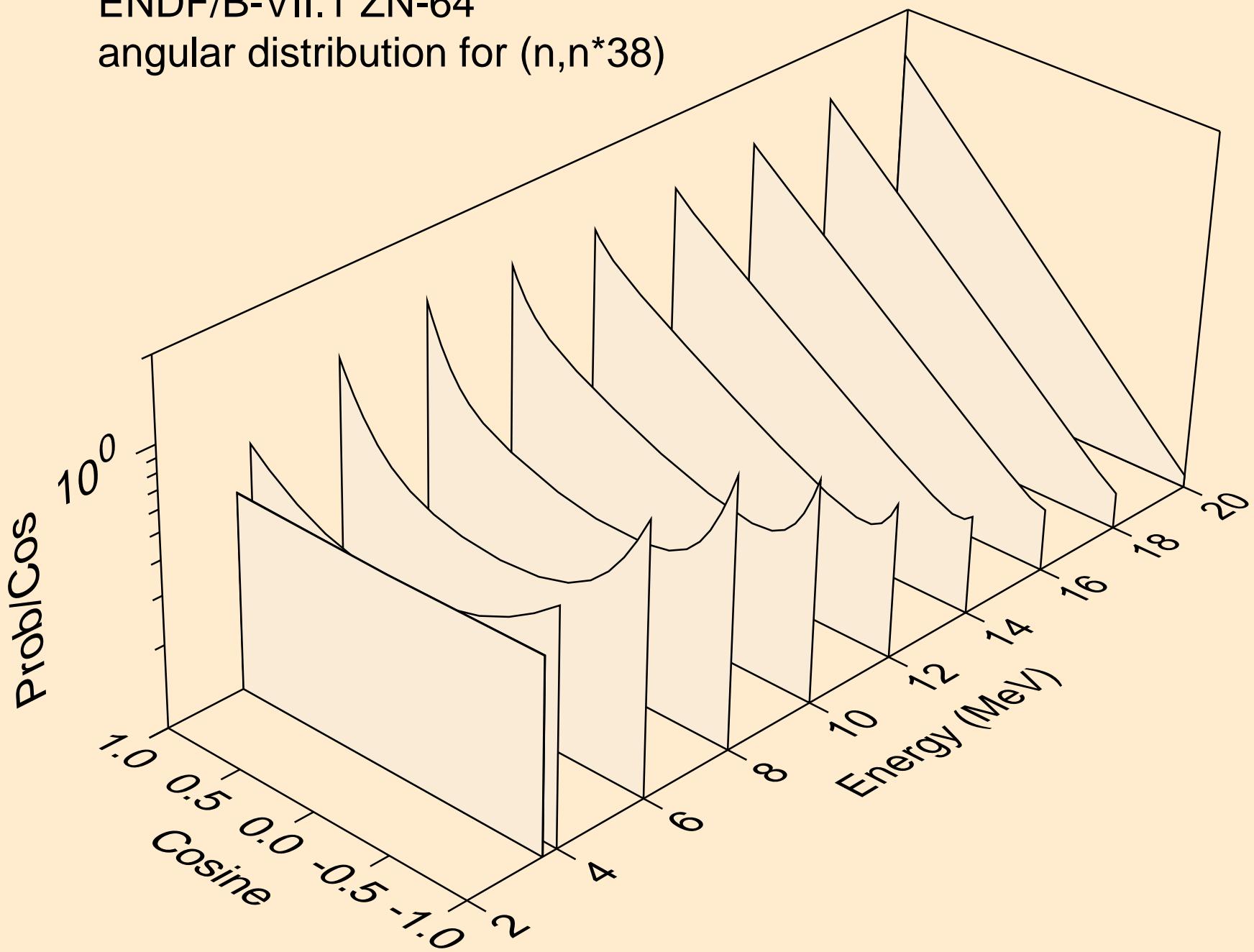
ENDF/B-VII.1 ZN-64  
angular distribution for (n,n\*36)



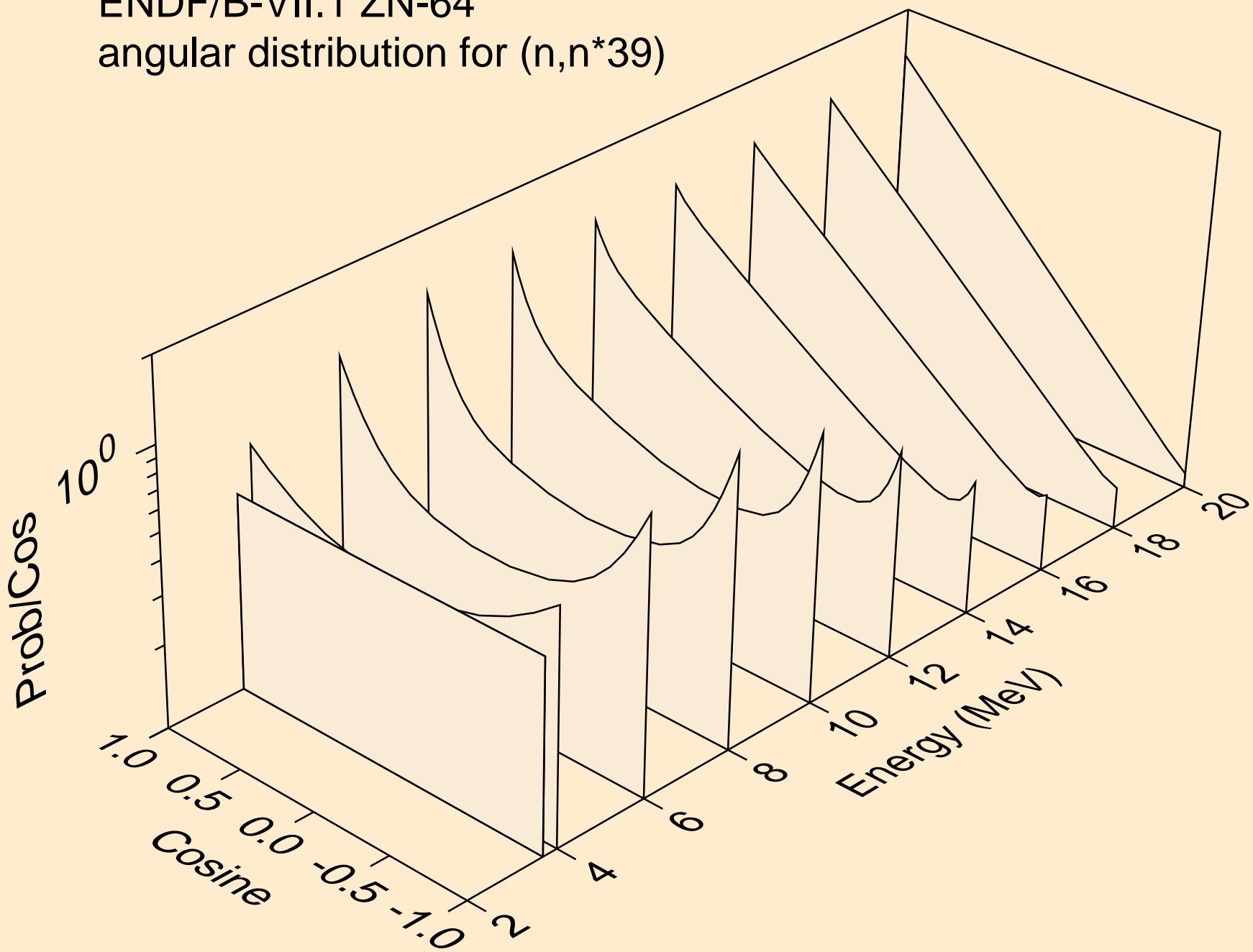
ENDF/B-VII.1 ZN-64  
angular distribution for (n,n\*37)



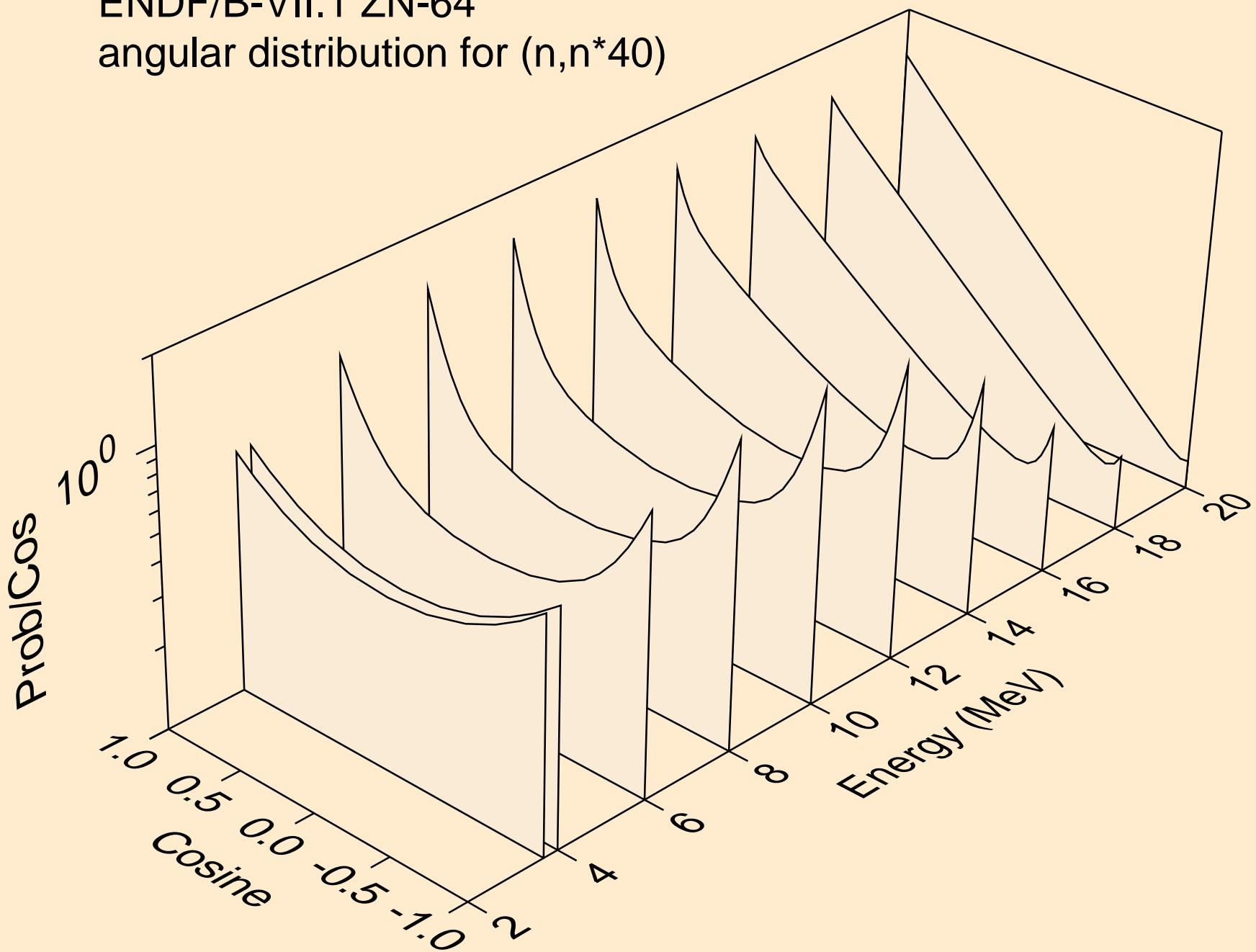
ENDF/B-VII.1 ZN-64  
angular distribution for (n,n\*38)



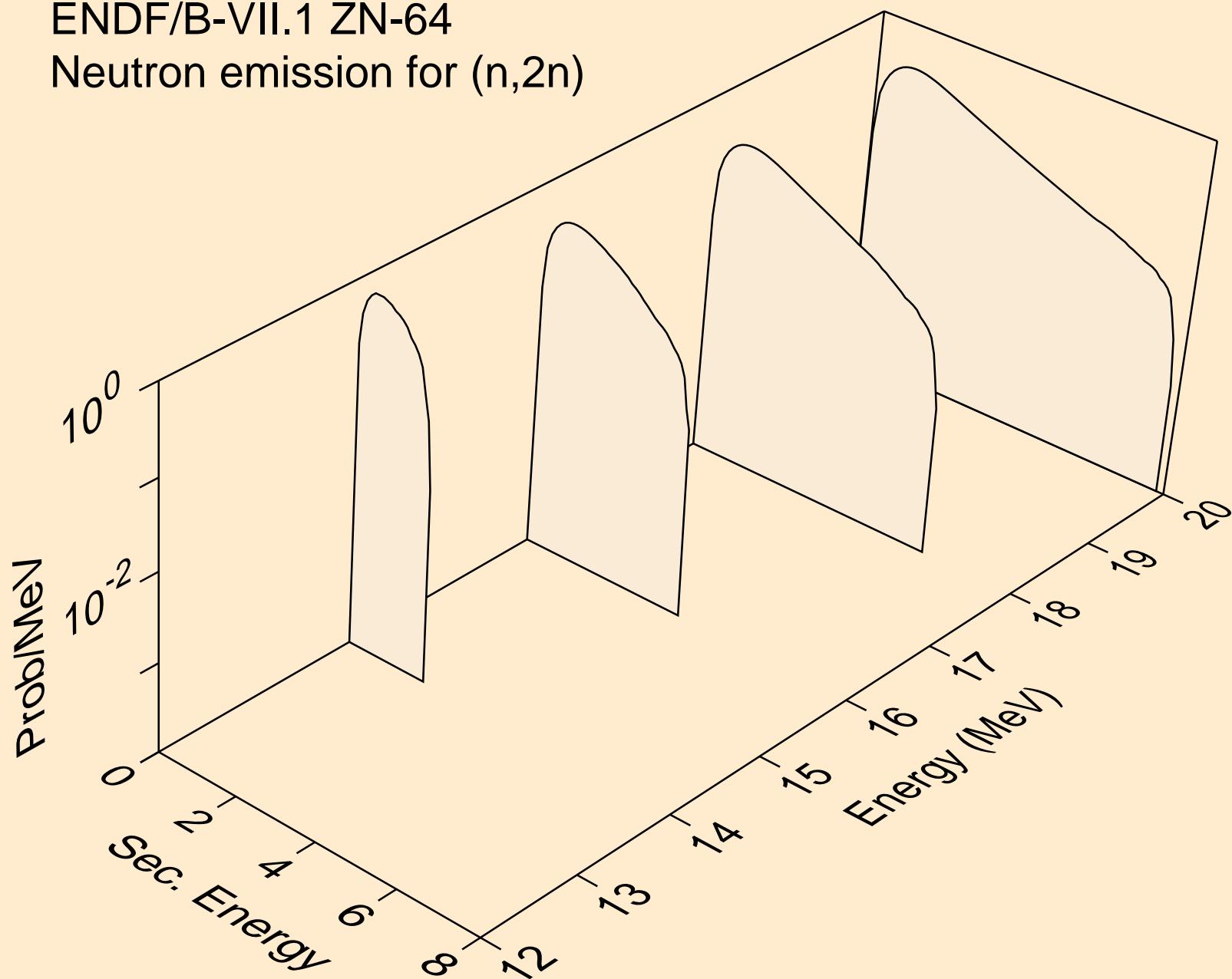
ENDF/B-VII.1 ZN-64  
angular distribution for (n,n\*39)



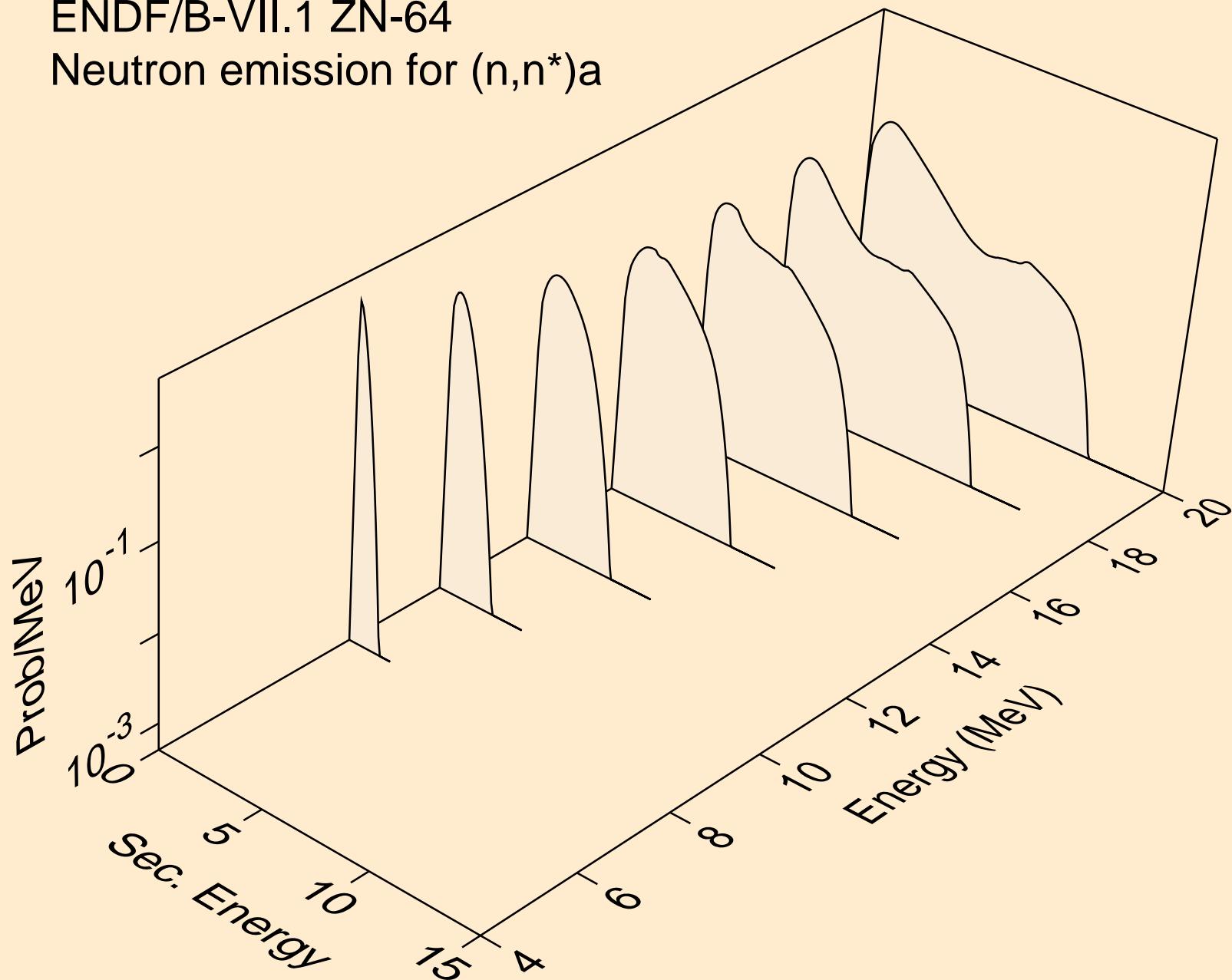
ENDF/B-VII.1 ZN-64  
angular distribution for (n,n\*40)



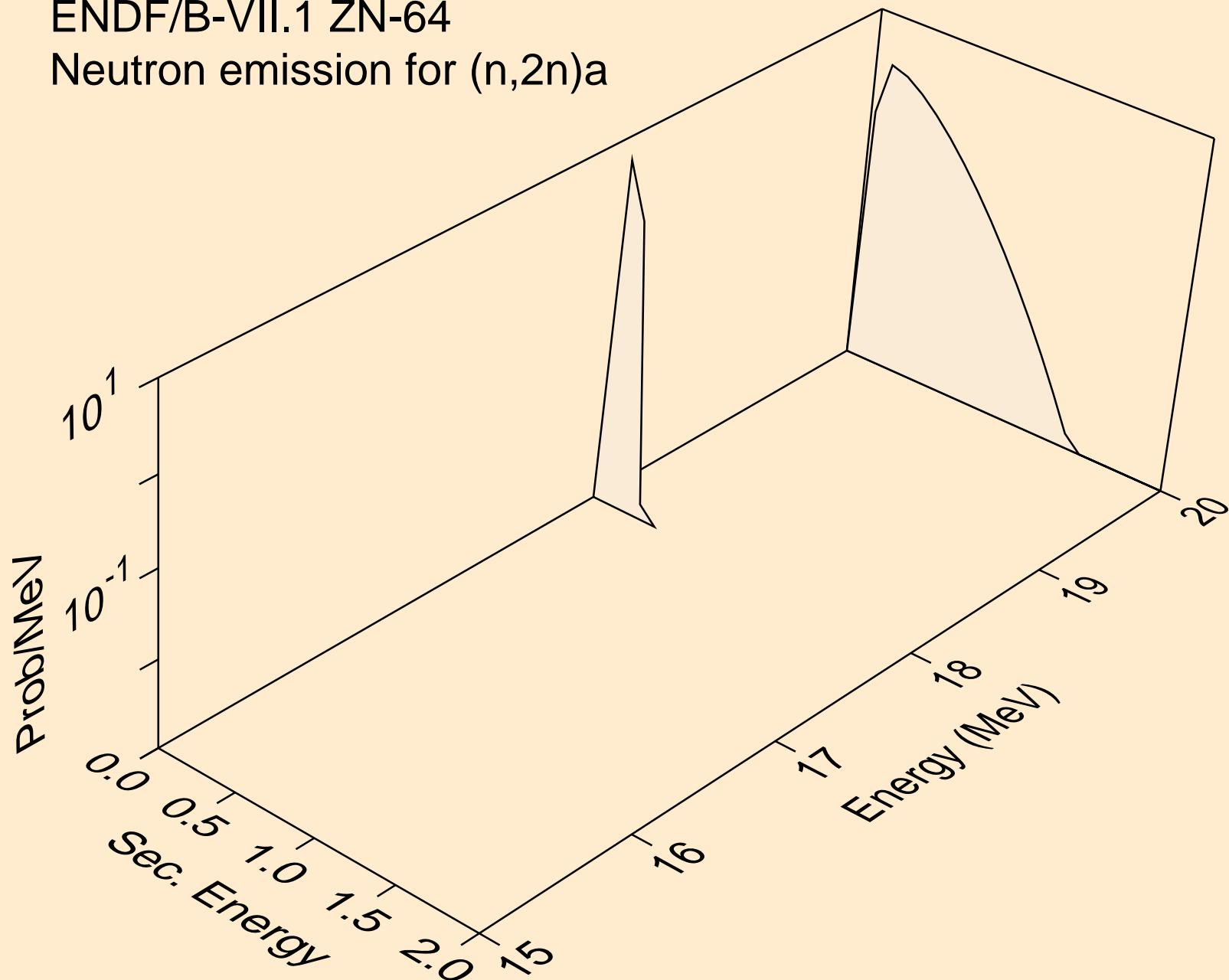
ENDF/B-VII.1 ZN-64  
Neutron emission for (n,2n)



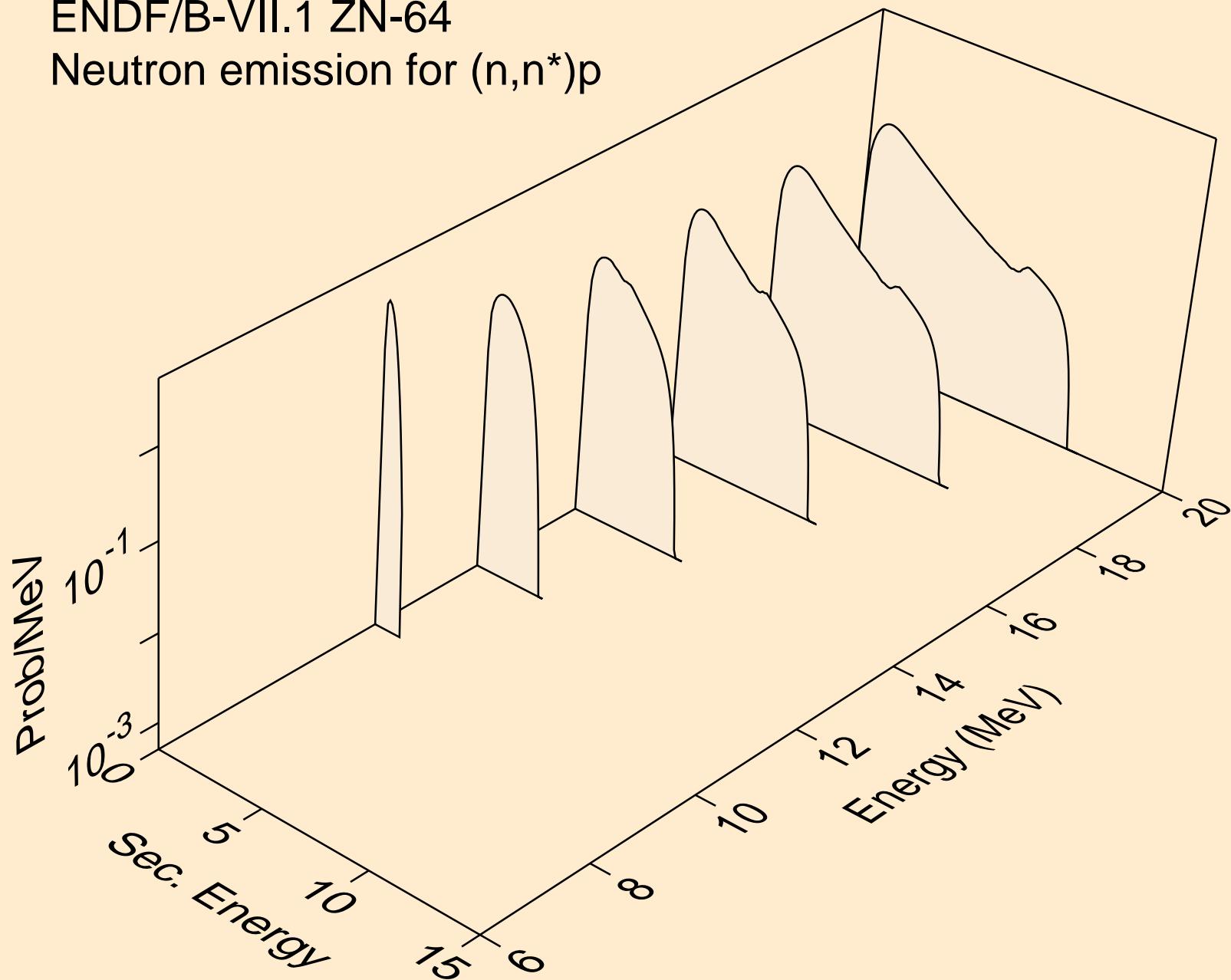
ENDF/B-VII.1 ZN-64  
Neutron emission for  $(n,n^*)a$



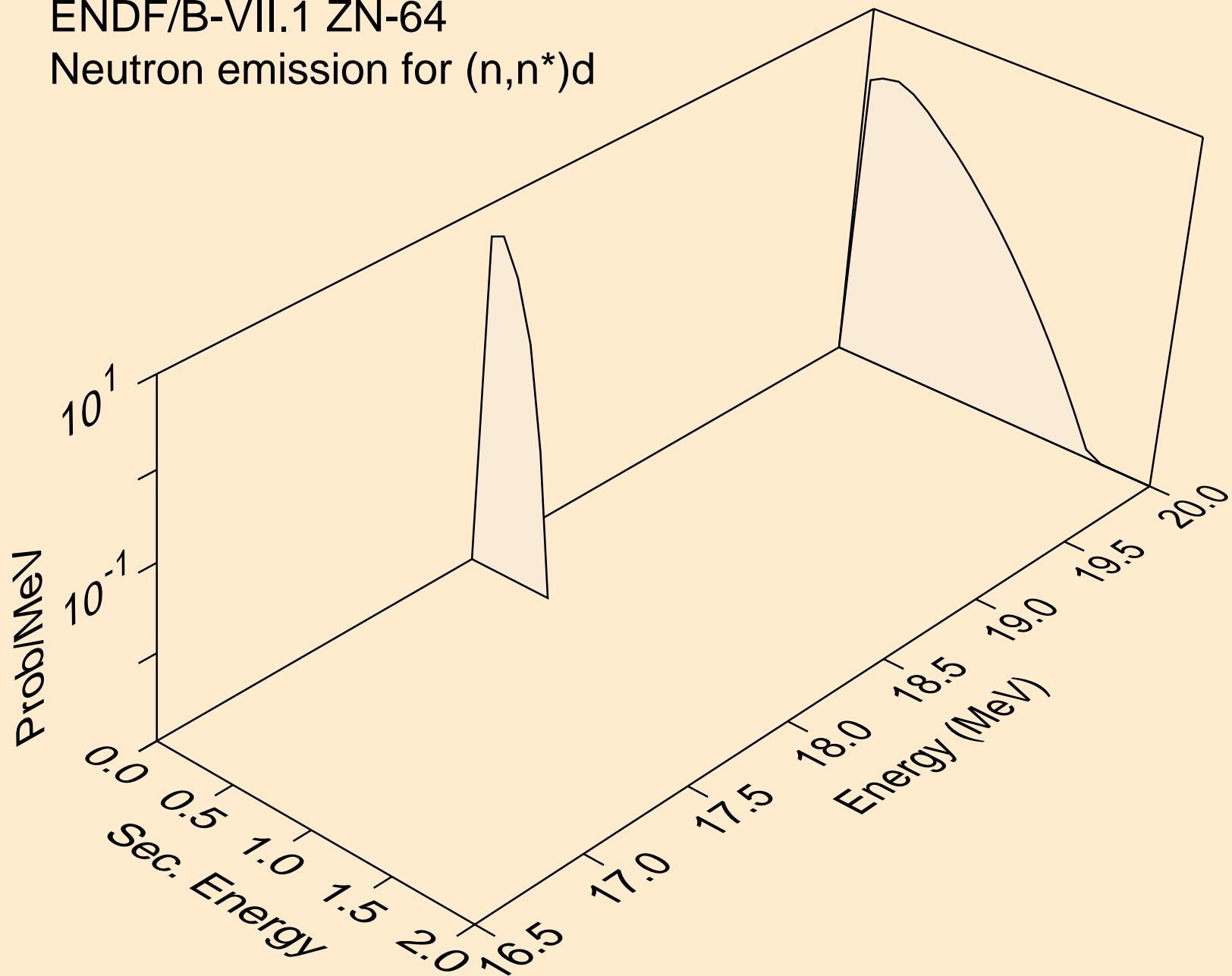
ENDF/B-VII.1 ZN-64  
Neutron emission for  $(n,2n)a$



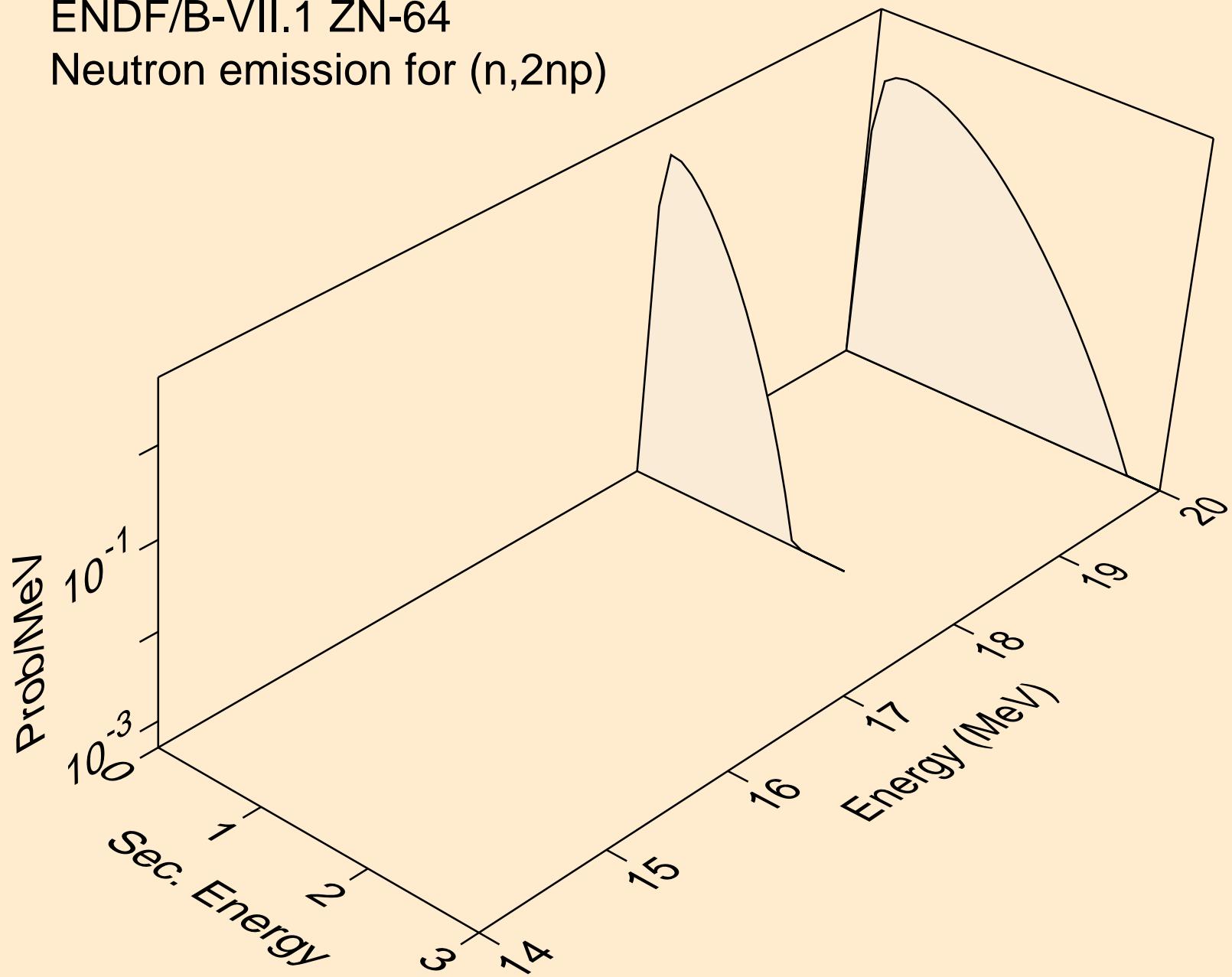
ENDF/B-VII.1 ZN-64  
Neutron emission for  $(n,n^*)p$



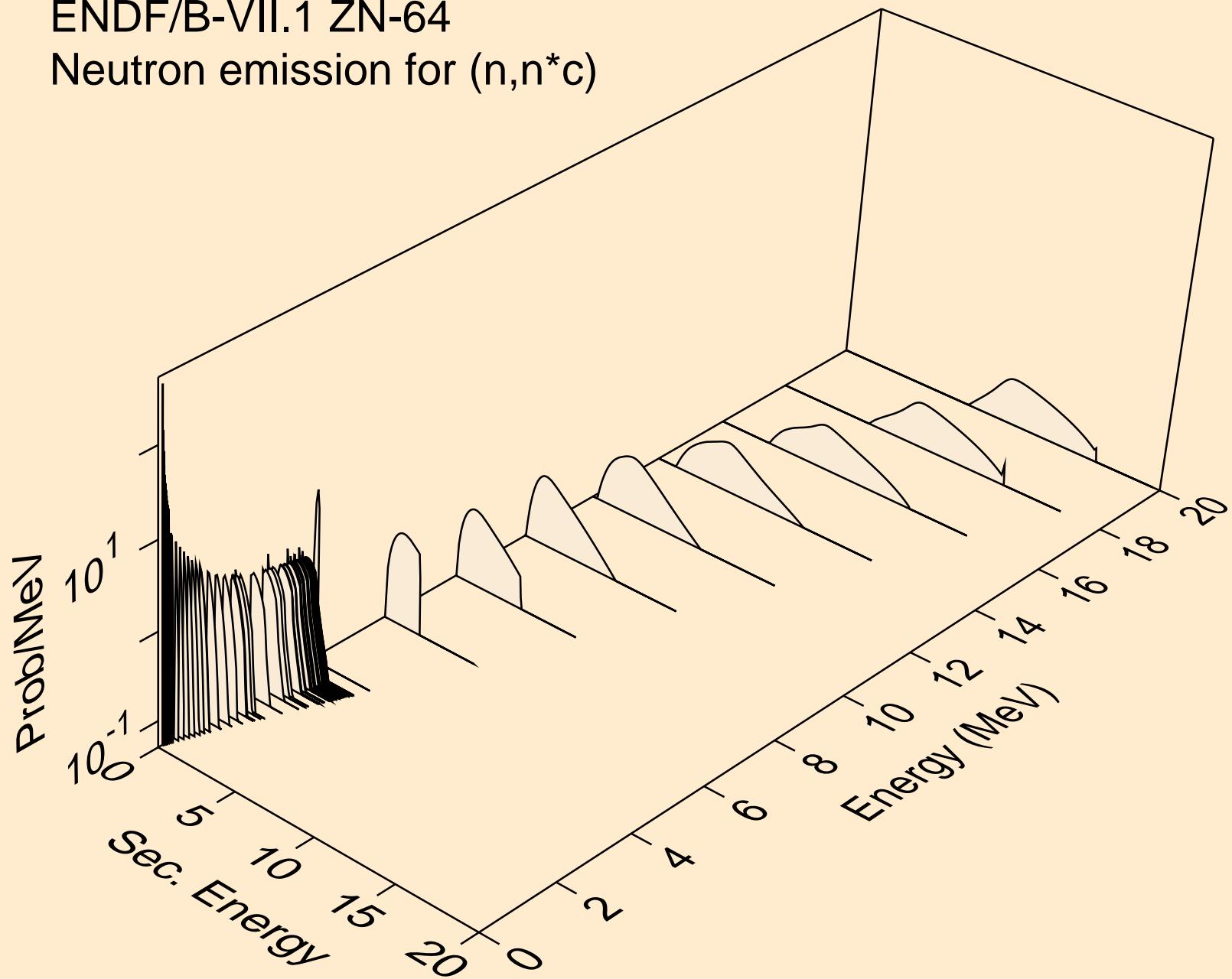
ENDF/B-VII.1 ZN-64  
Neutron emission for  $(n,n^*)d$



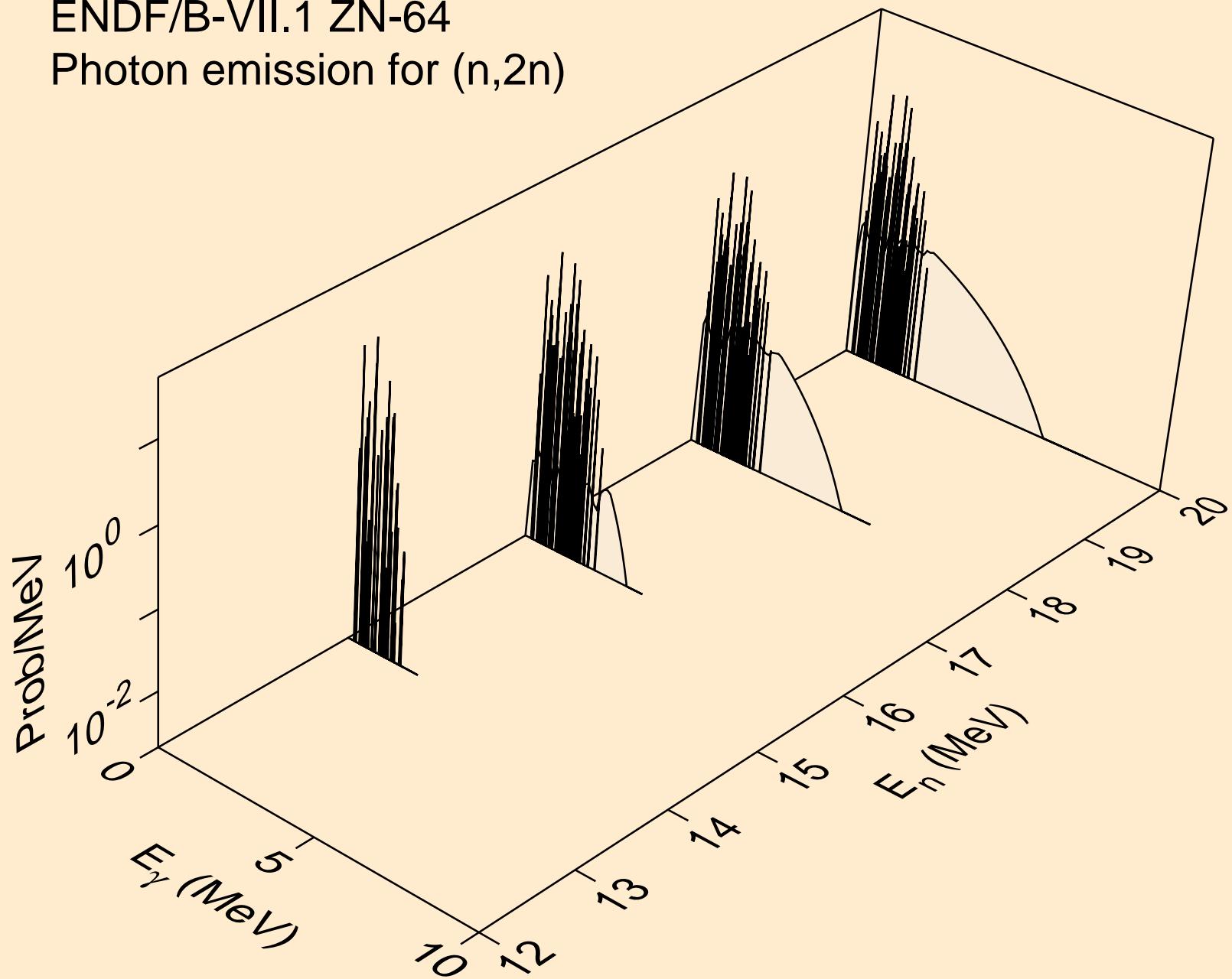
ENDF/B-VII.1 ZN-64  
Neutron emission for (n,2np)



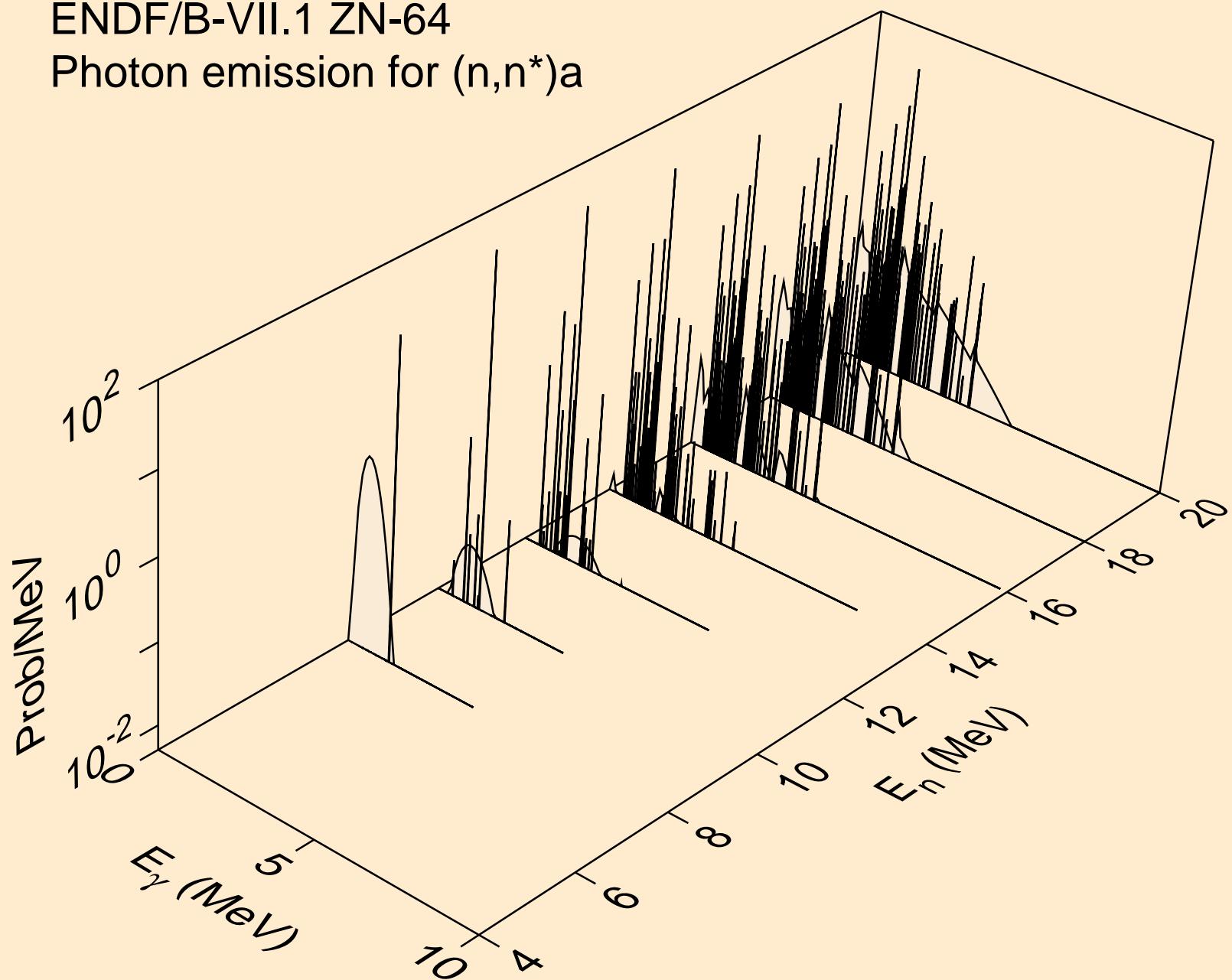
ENDF/B-VII.1 ZN-64  
Neutron emission for  $(n,n^*c)$



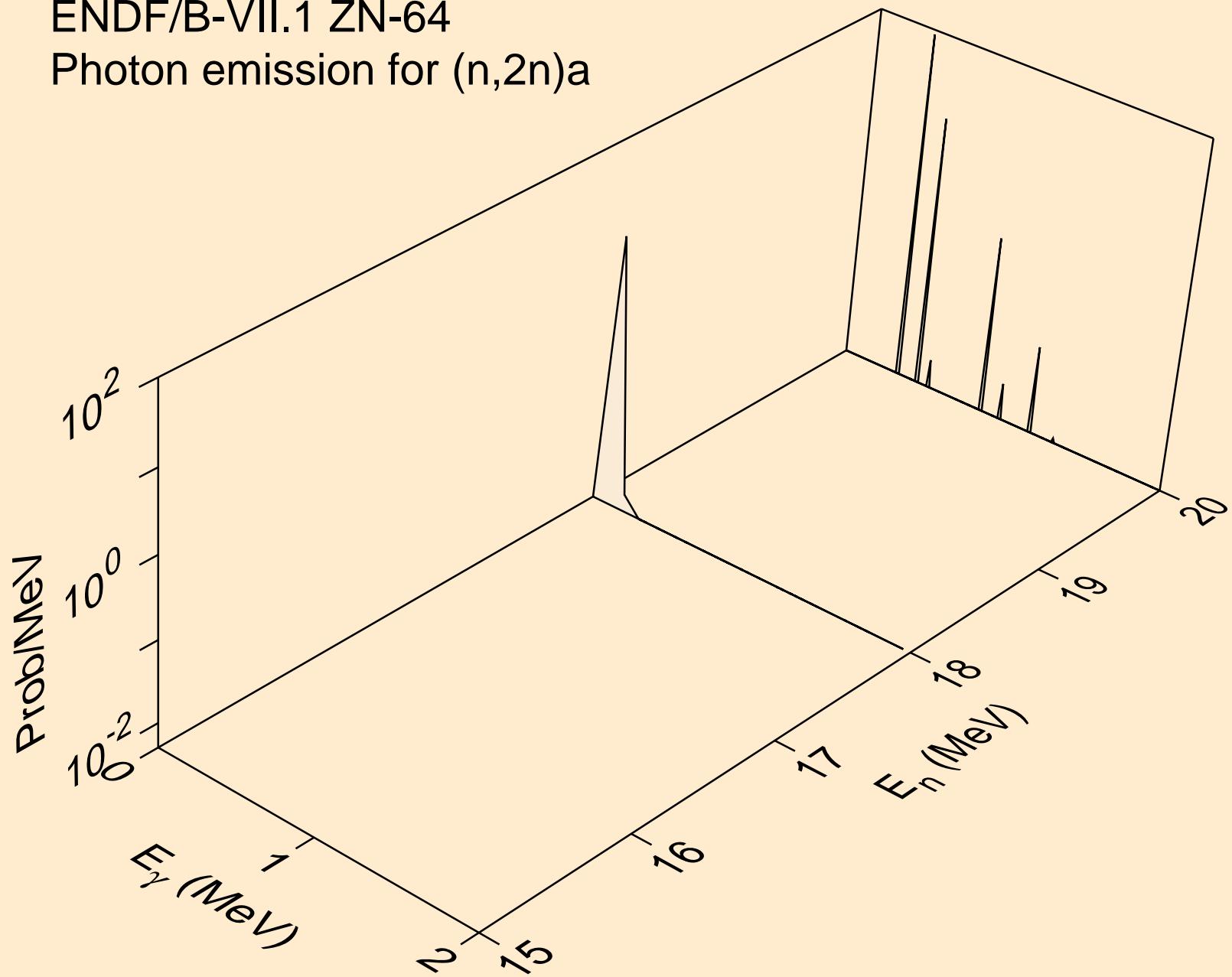
ENDF/B-VII.1 ZN-64  
Photon emission for ( $n,2n$ )



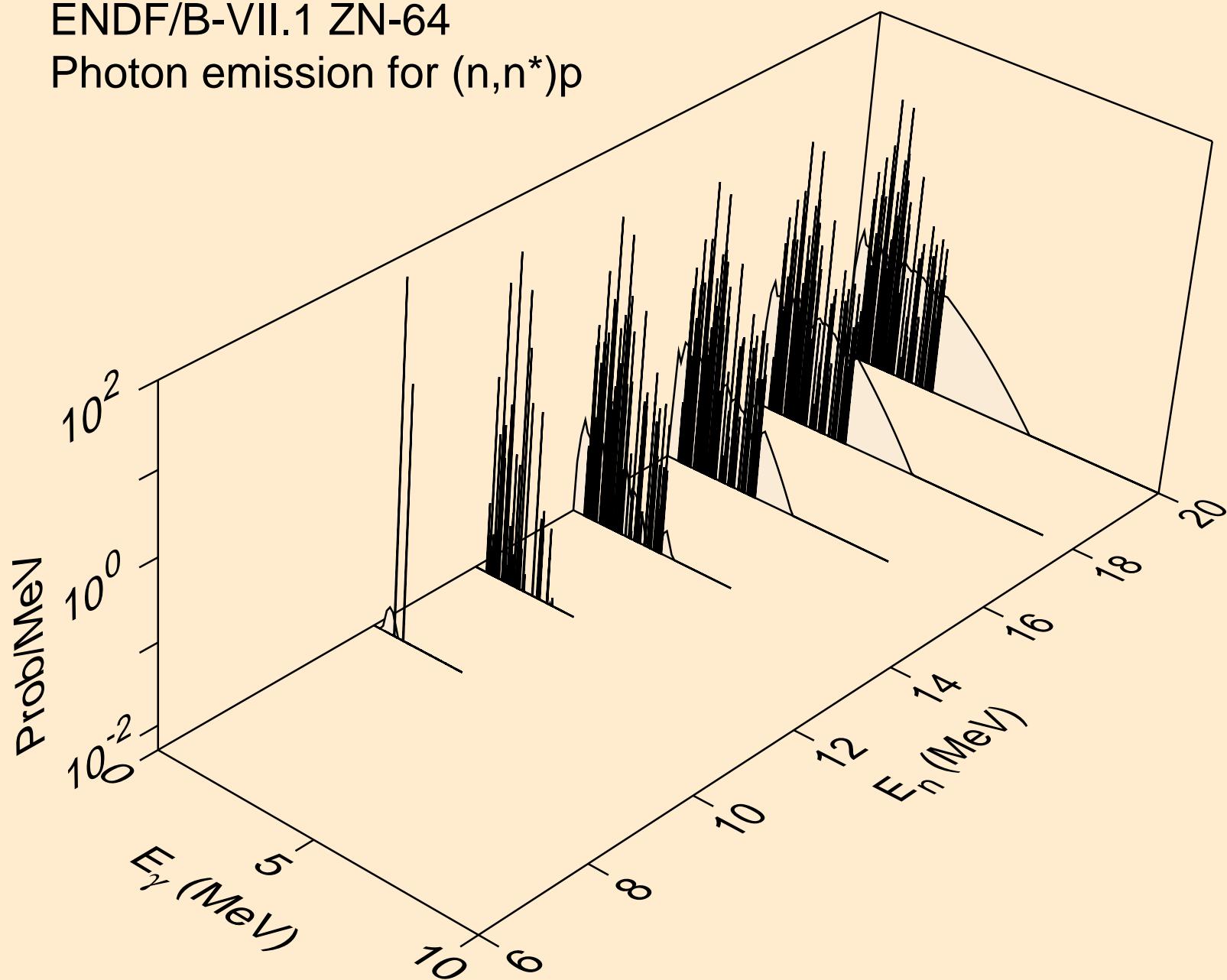
ENDF/B-VII.1 ZN-64  
Photon emission for  $(n,n^*)a$



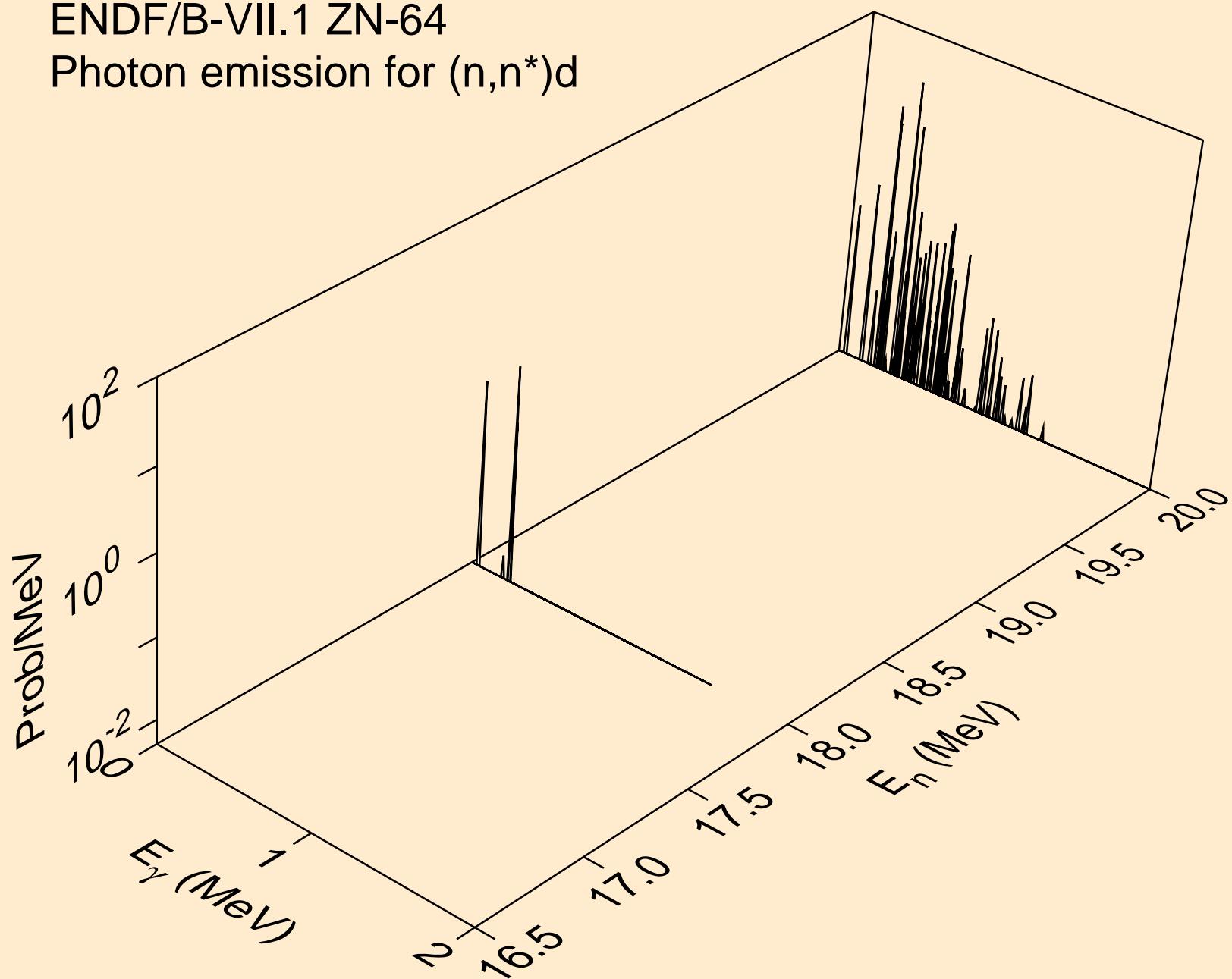
ENDF/B-VII.1 ZN-64  
Photon emission for (n,2n)a



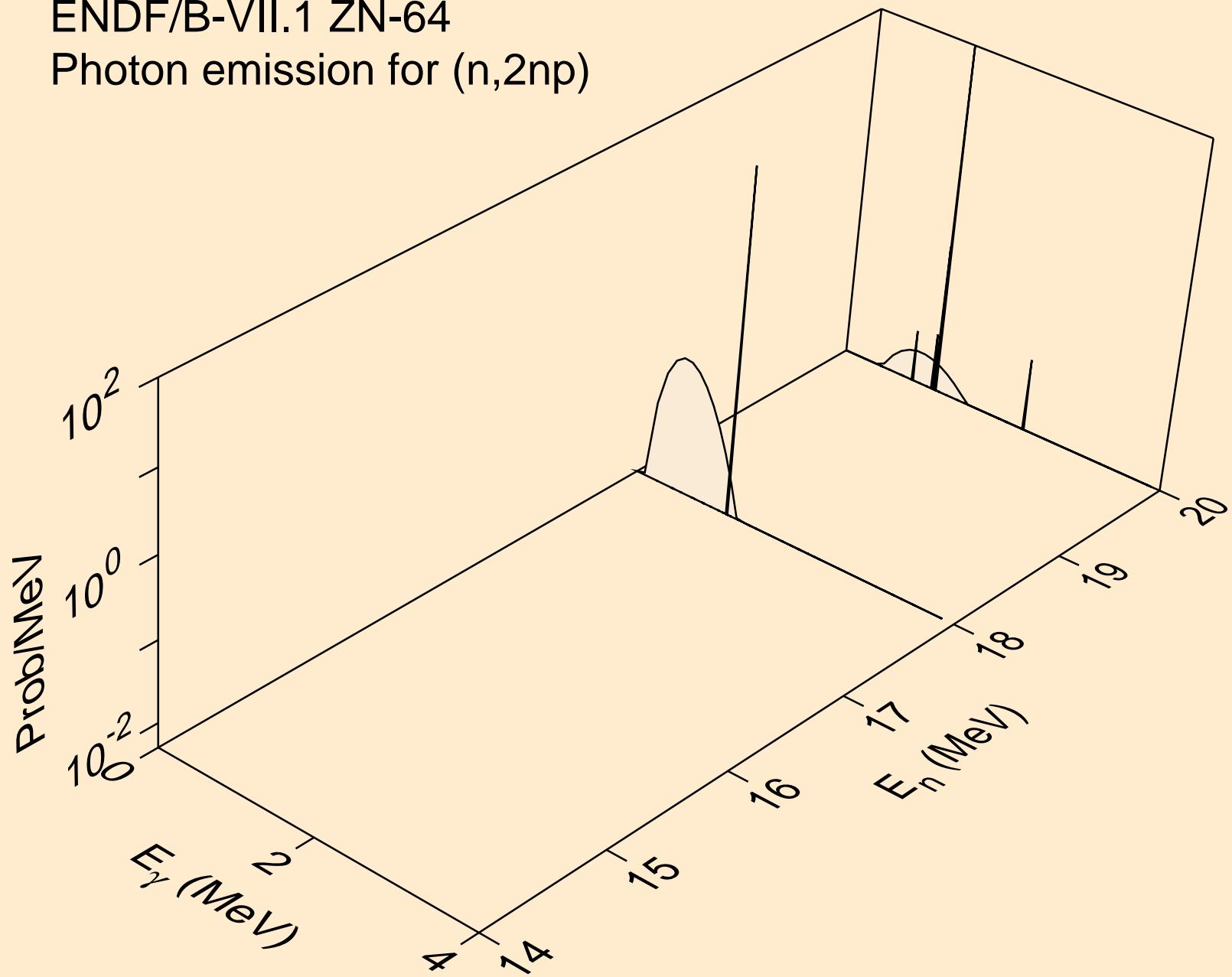
ENDF/B-VII.1 ZN-64  
Photon emission for  $(n,n^*)p$



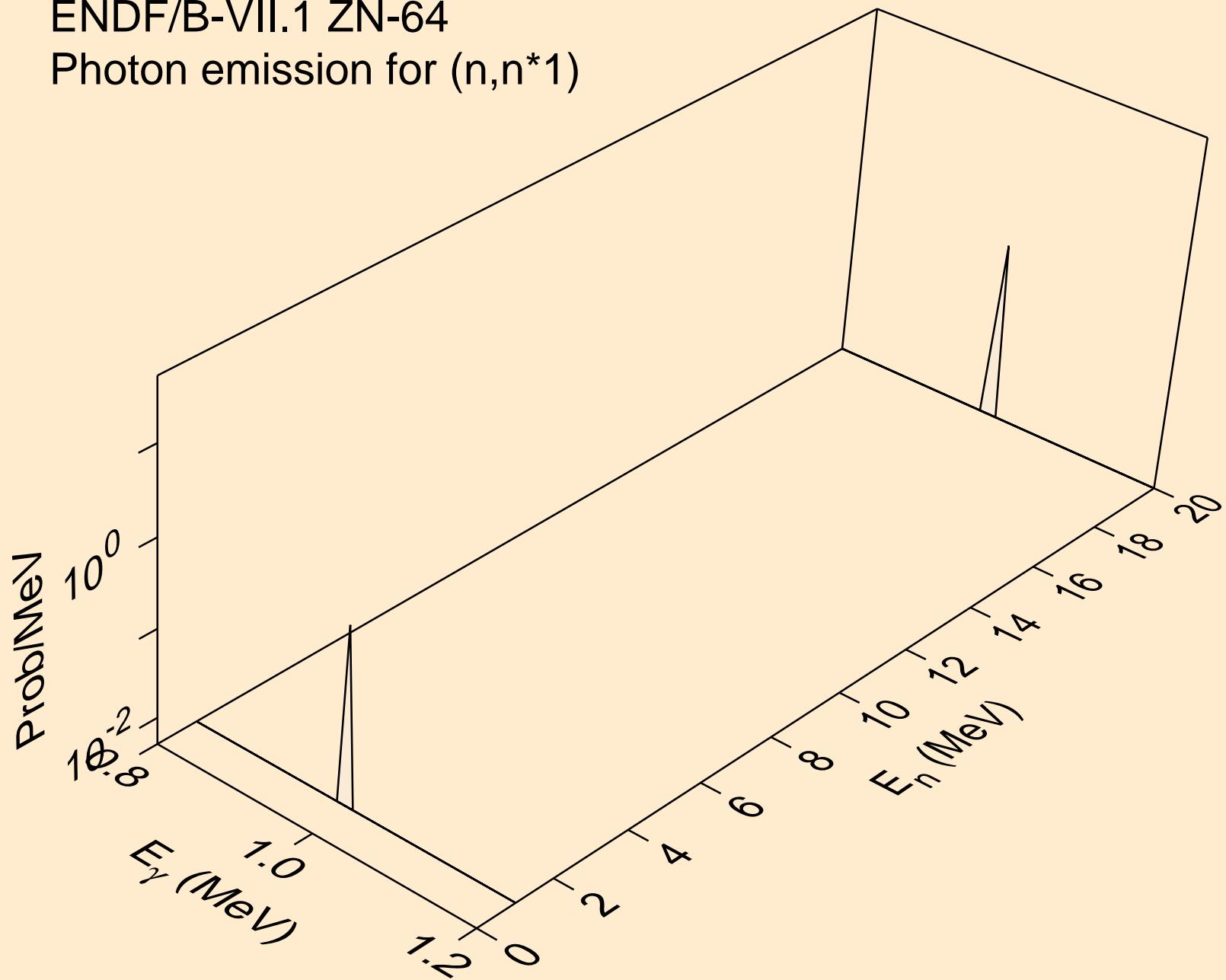
ENDF/B-VII.1 ZN-64  
Photon emission for  $(n,n^*)d$



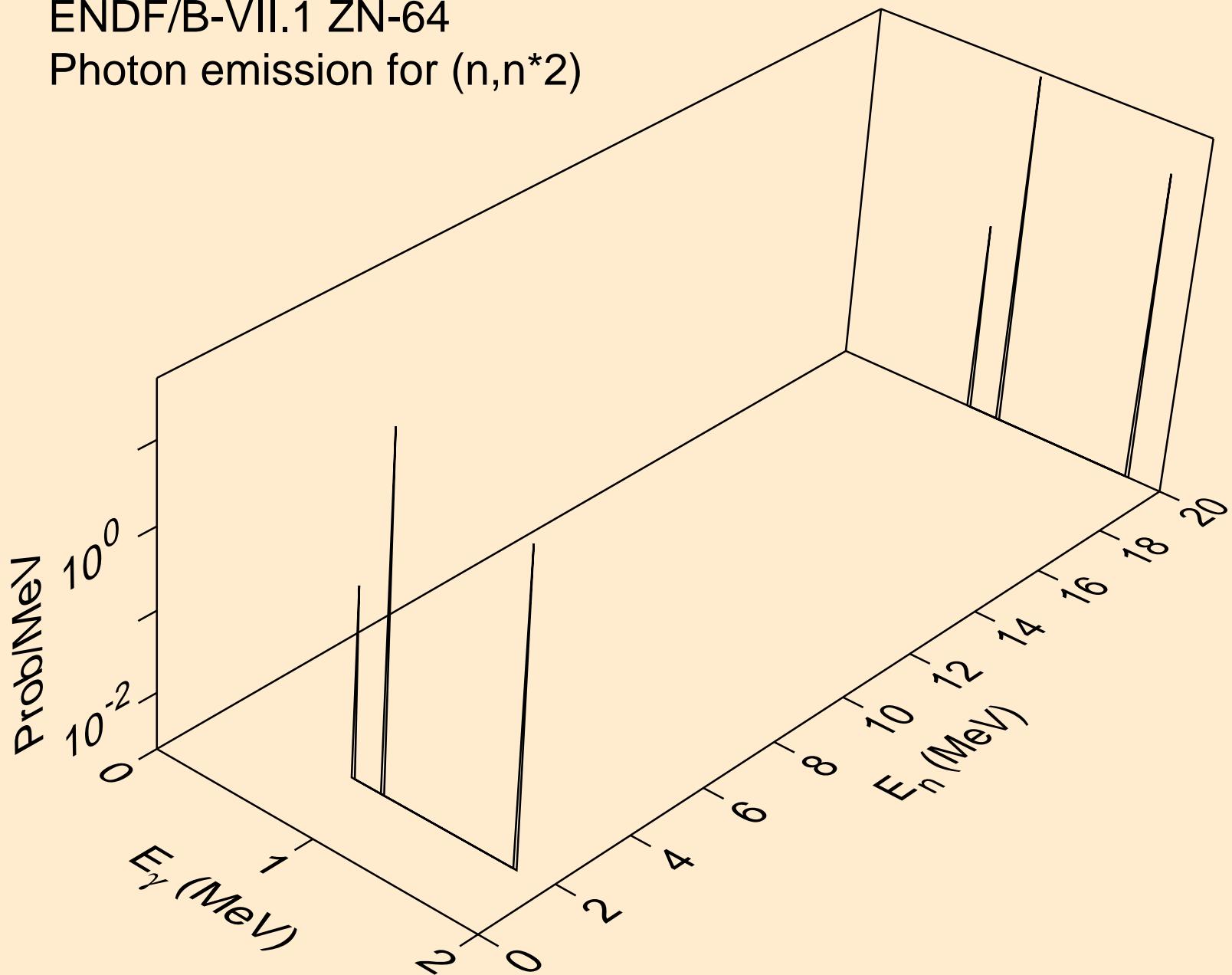
ENDF/B-VII.1 ZN-64  
Photon emission for ( $n, 2np$ )



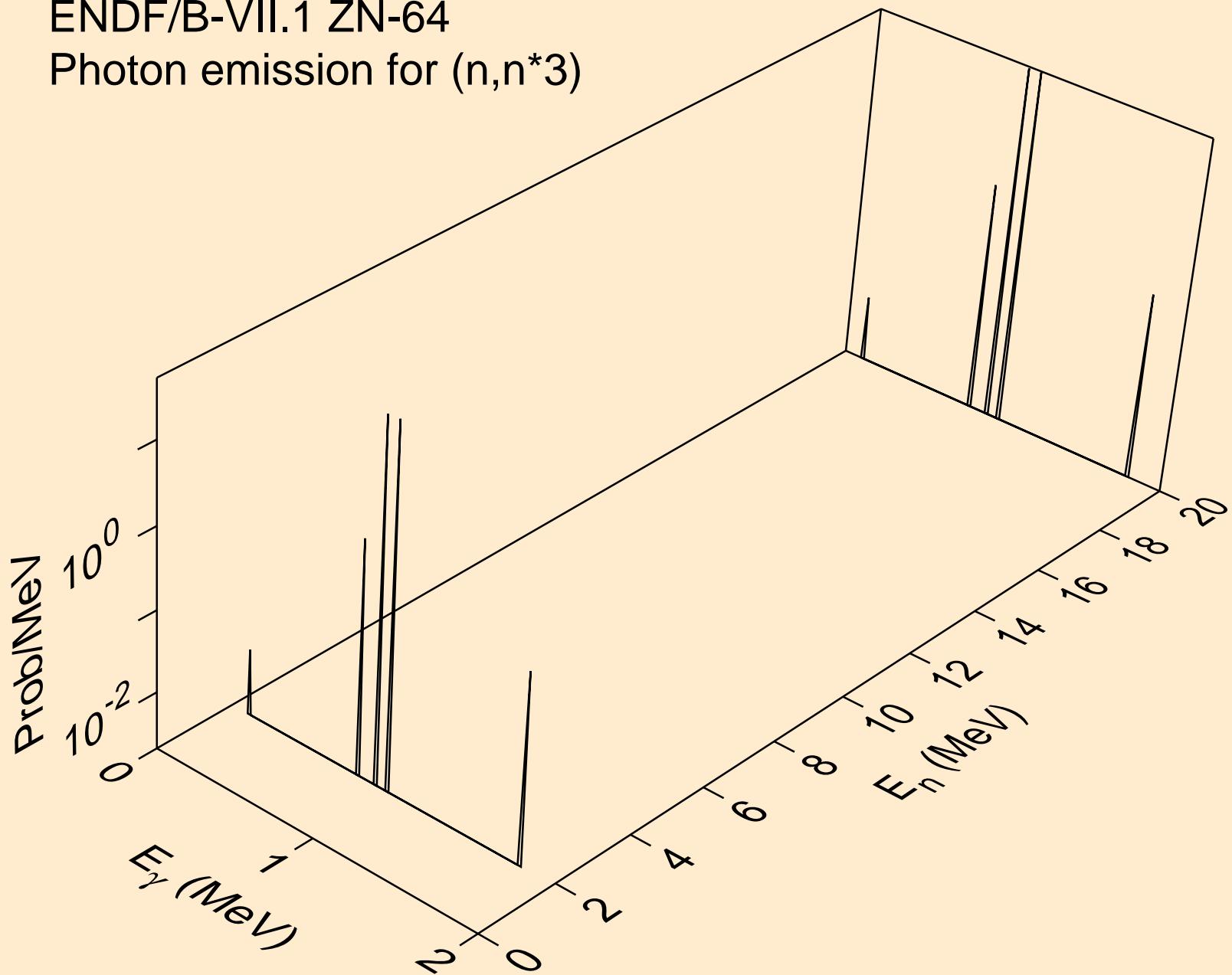
ENDF/B-VII.1 ZN-64  
Photon emission for (n,n\*1)



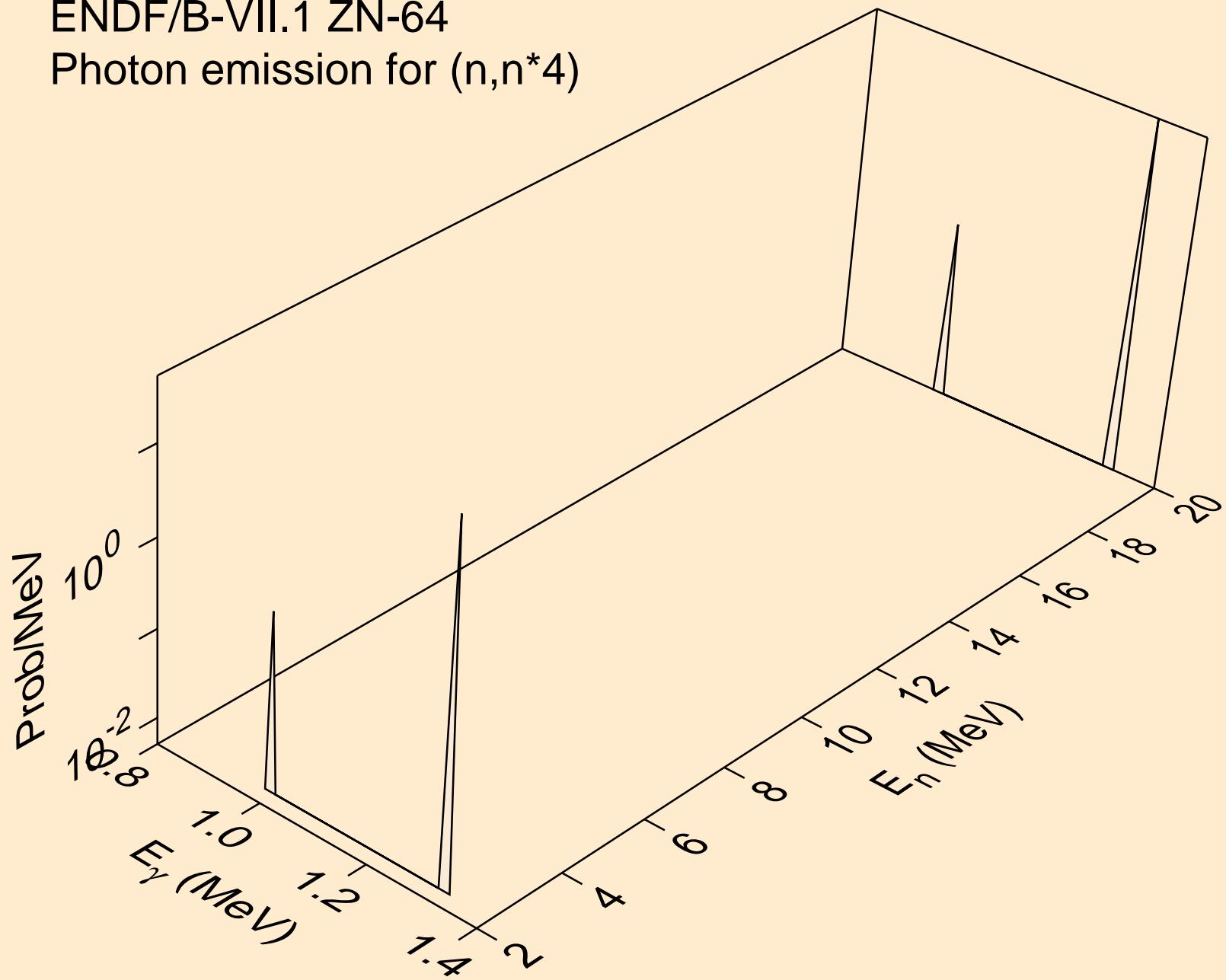
ENDF/B-VII.1 ZN-64  
Photon emission for (n,n\*2)



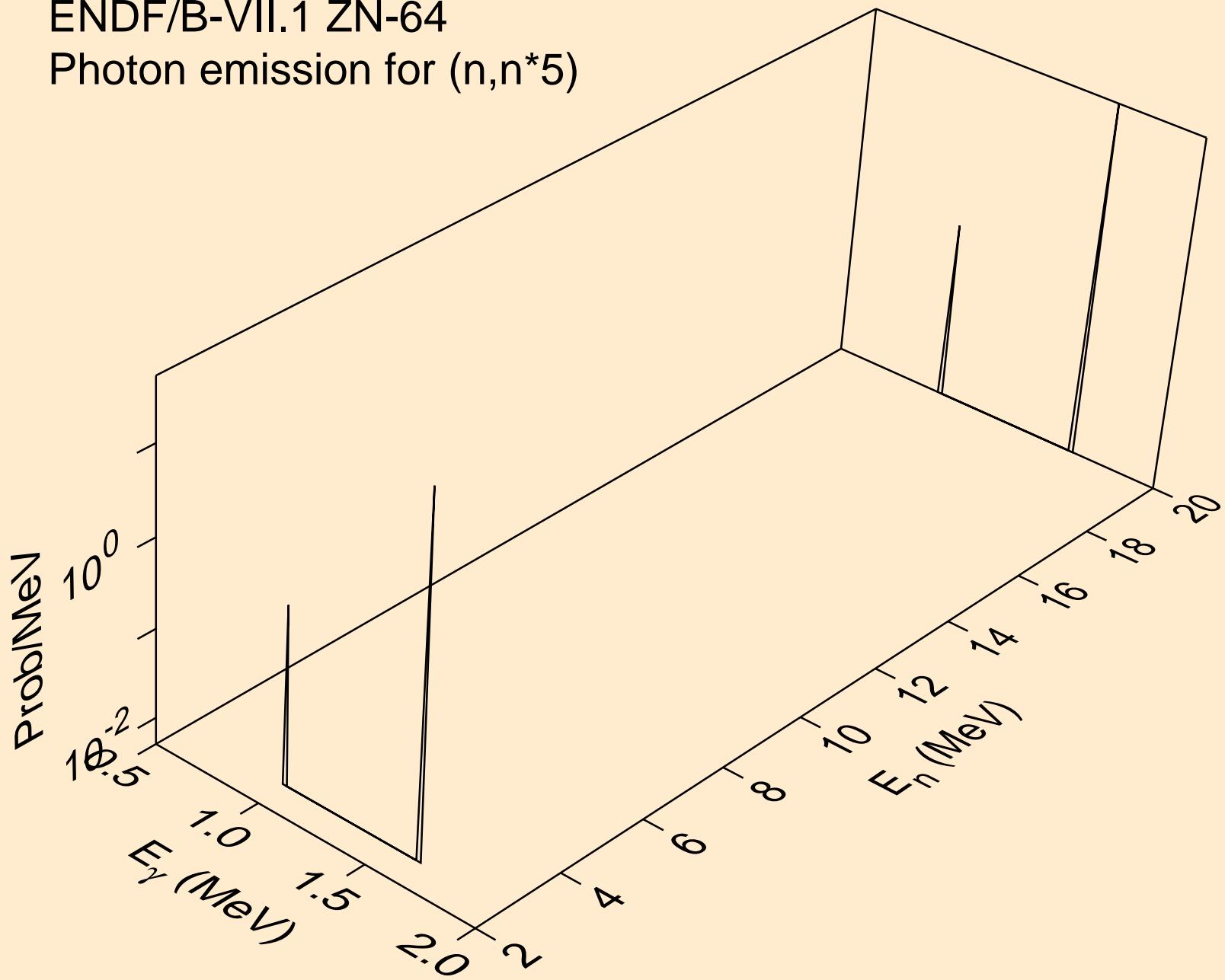
ENDF/B-VII.1 ZN-64  
Photon emission for ( $n, n^*3$ )



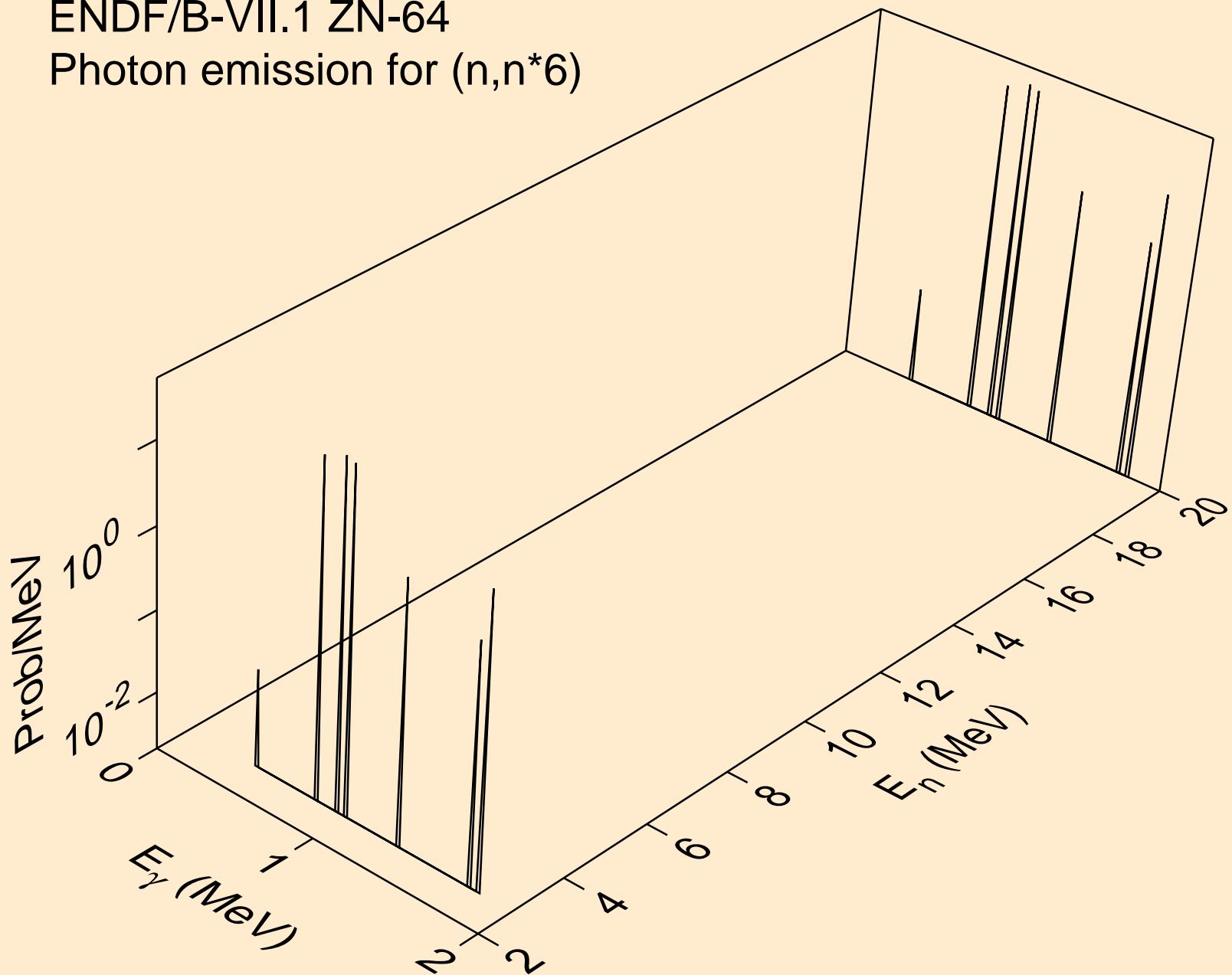
ENDF/B-VII.1 ZN-64  
Photon emission for ( $n, n^*4$ )



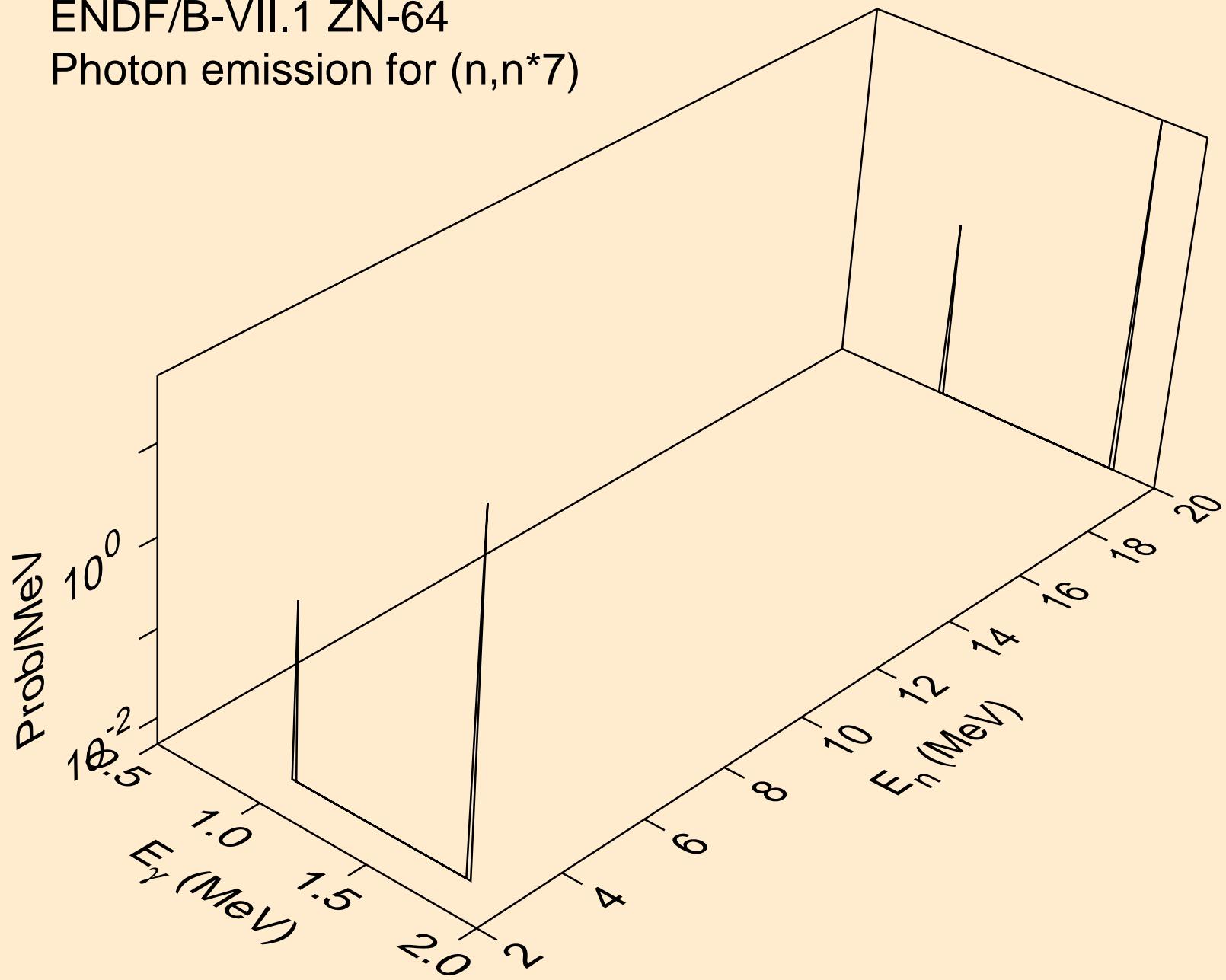
ENDF/B-VII.1 ZN-64  
Photon emission for (n,n\*5)



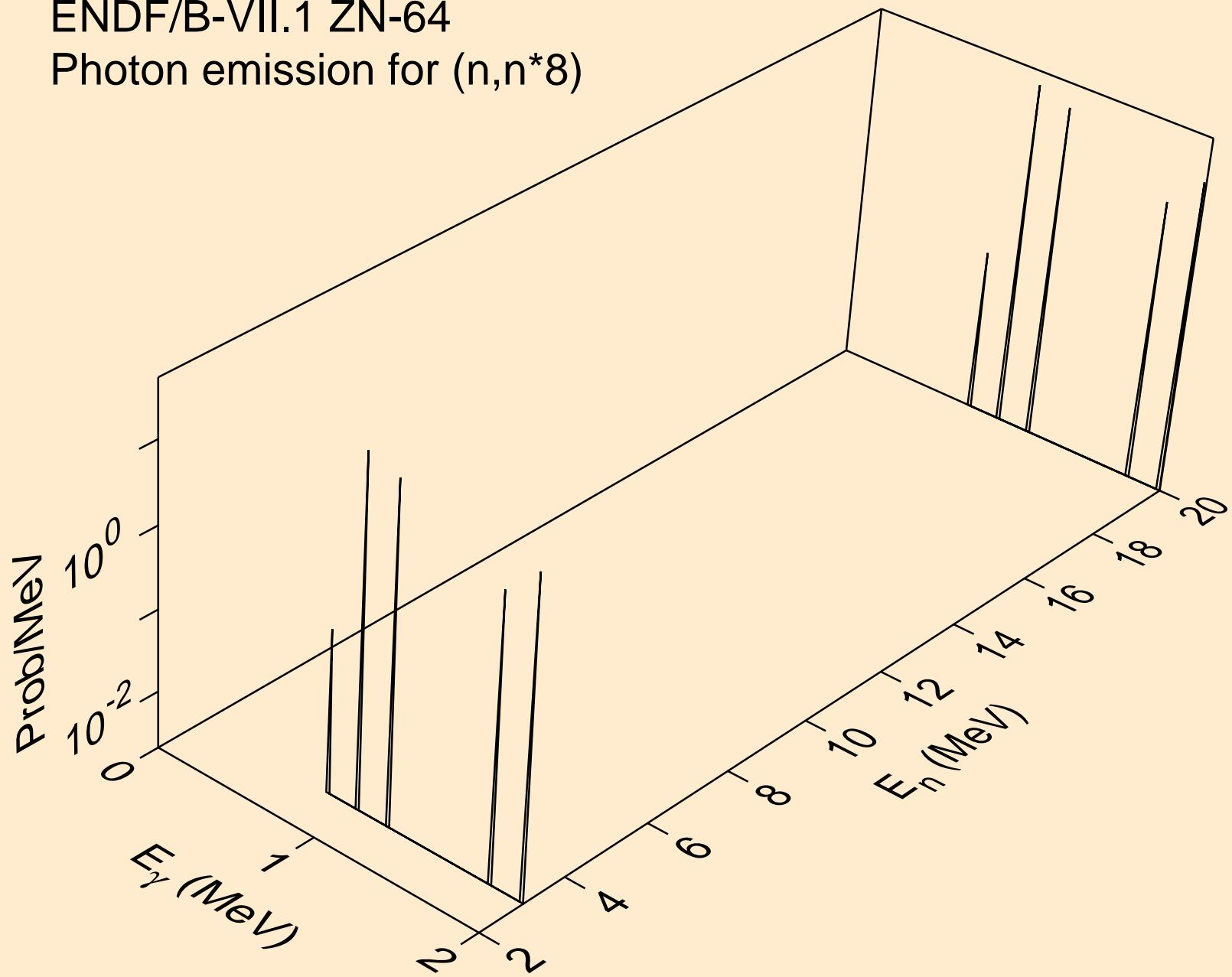
ENDF/B-VII.1 ZN-64  
Photon emission for ( $n, n^*6$ )



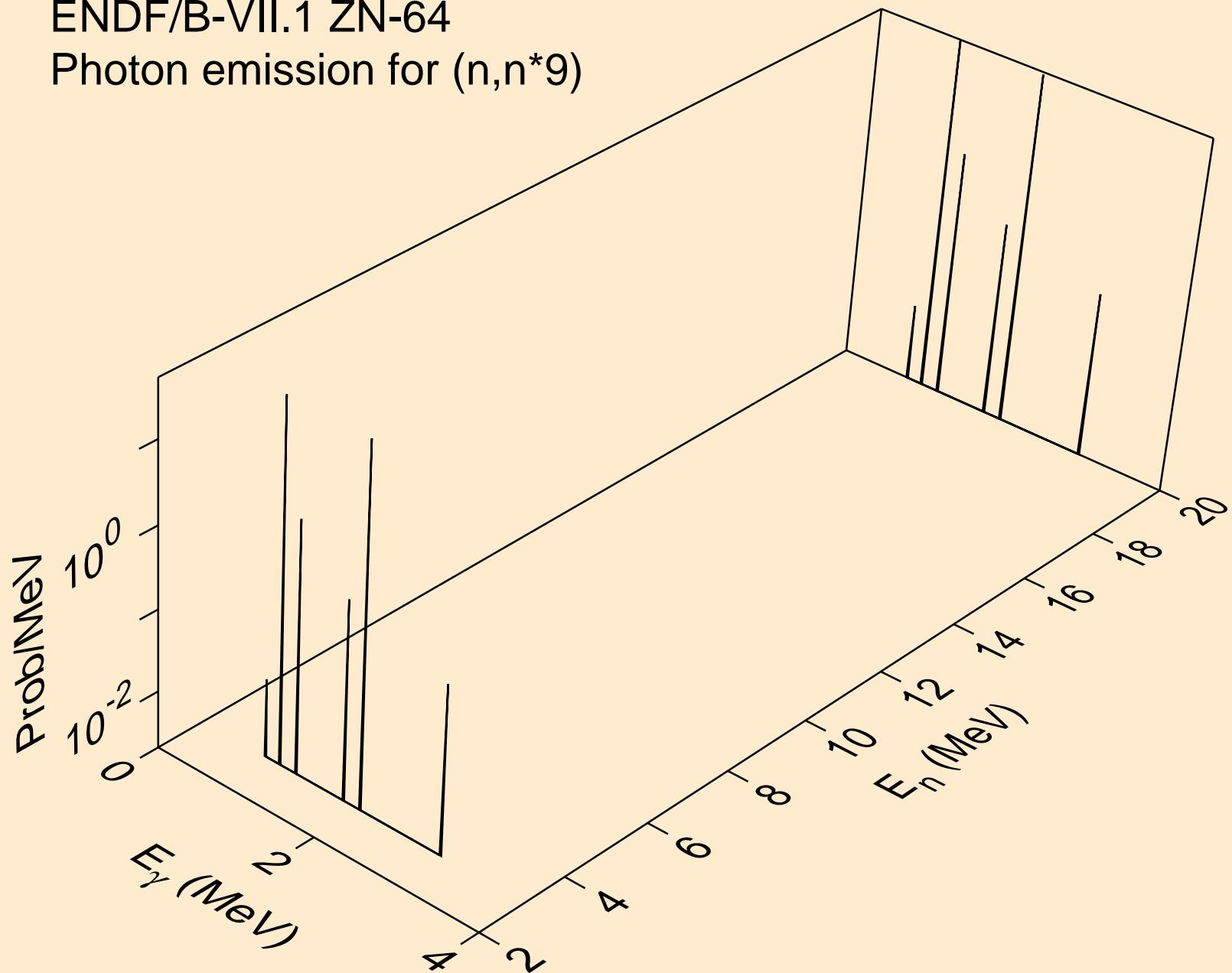
ENDF/B-VII.1 ZN-64  
Photon emission for ( $n, n^*7$ )



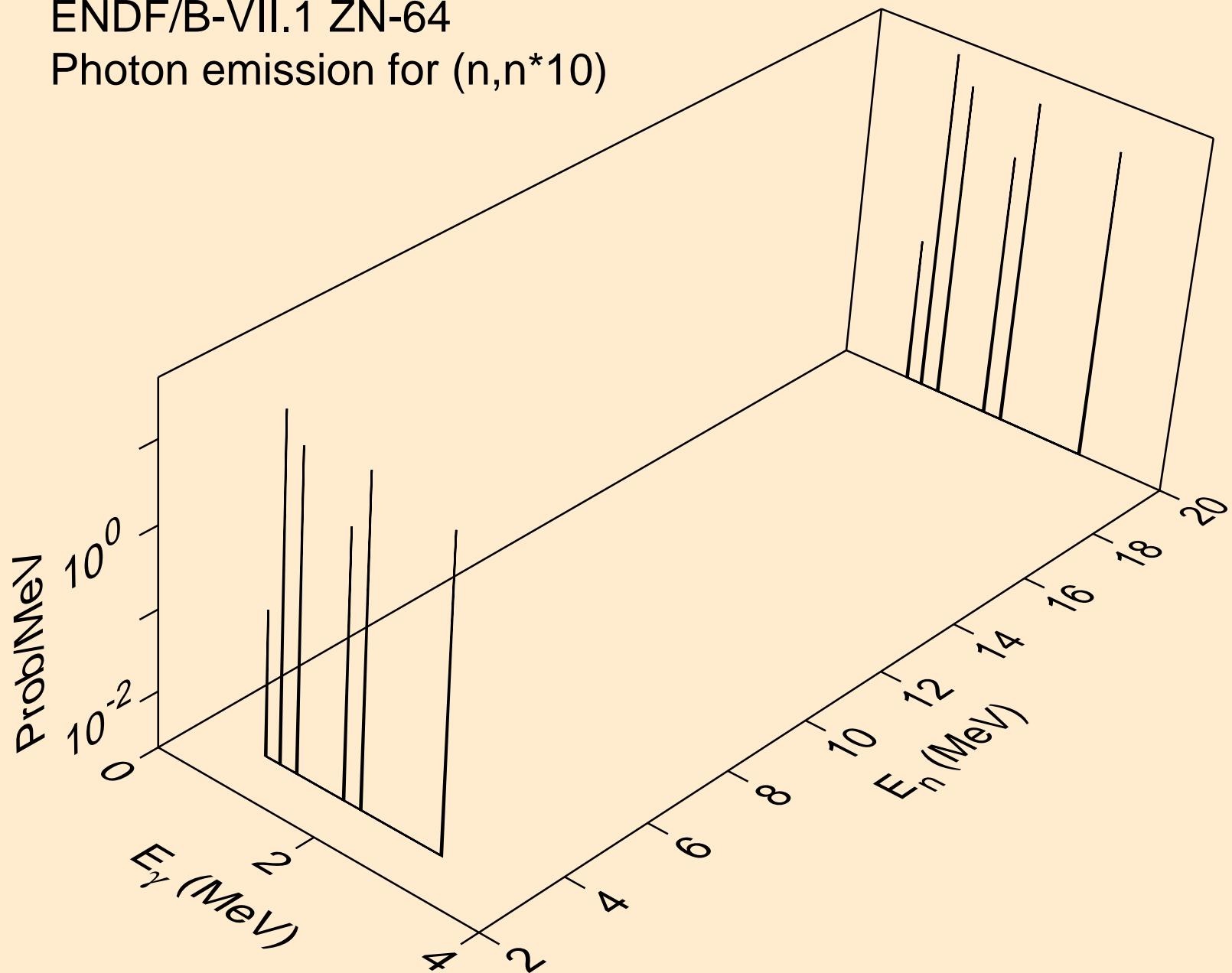
ENDF/B-VII.1 ZN-64  
Photon emission for (n,n\*8)



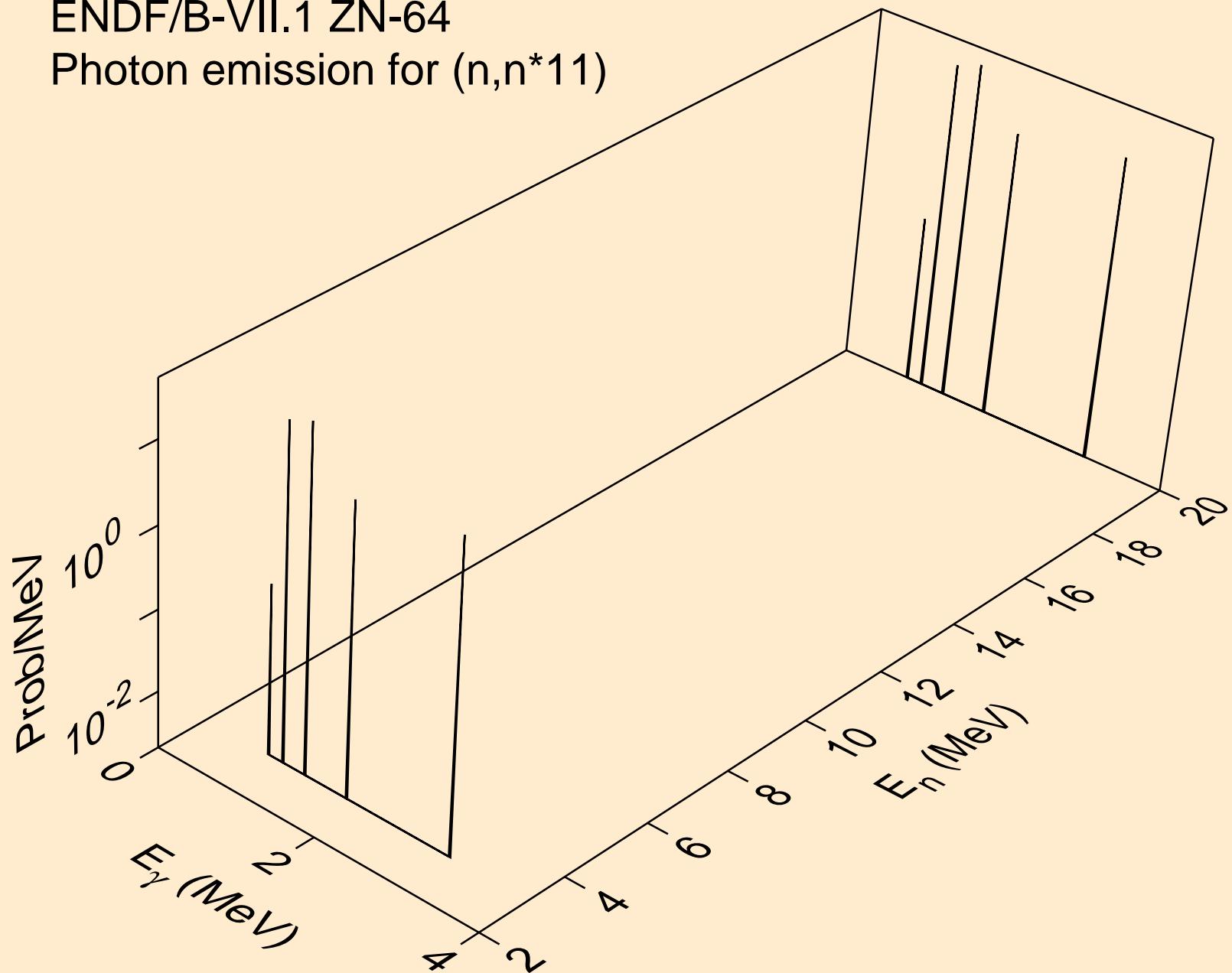
ENDF/B-VII.1 ZN-64  
Photon emission for (n,n\*9)



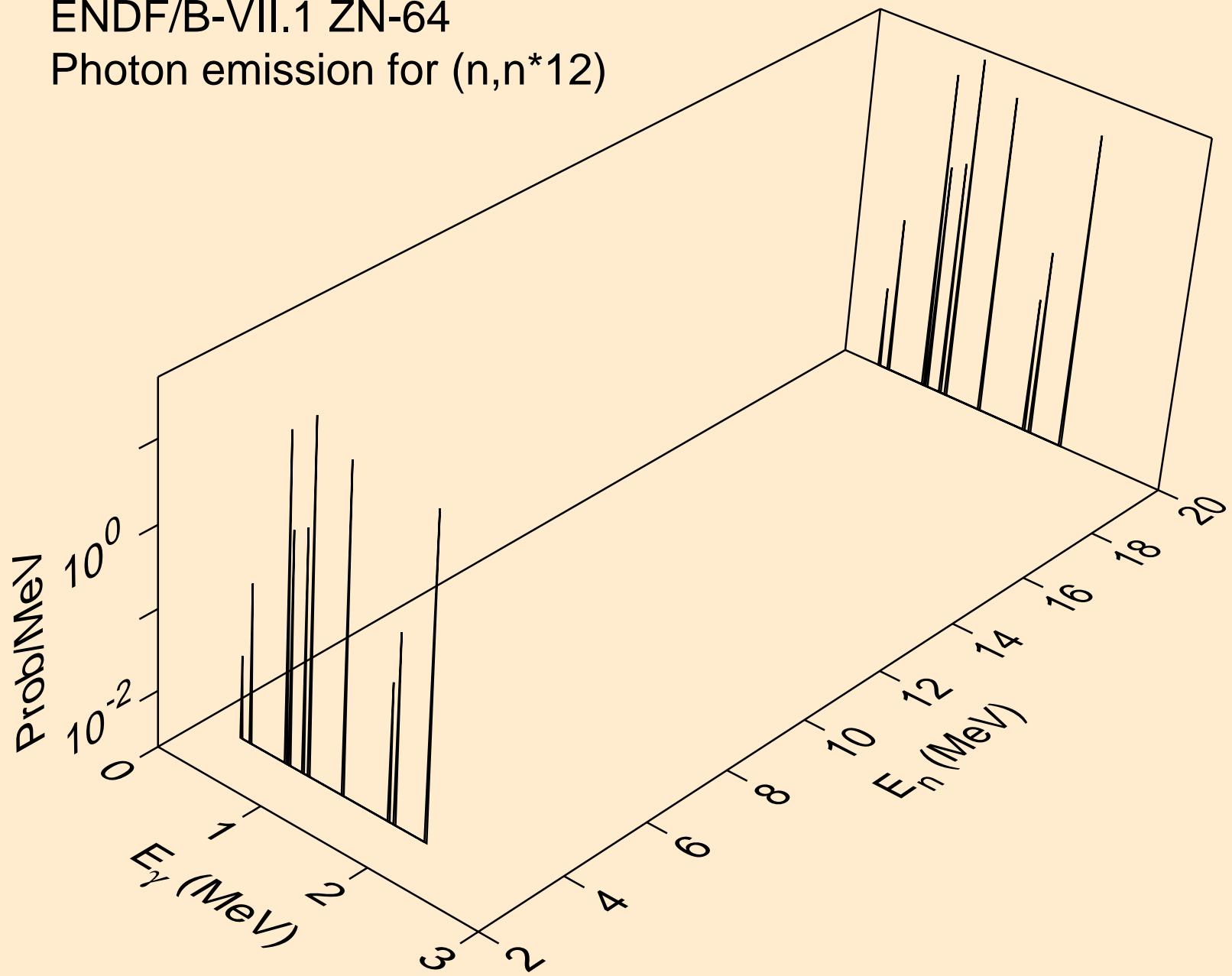
ENDF/B-VII.1 ZN-64  
Photon emission for (n,n\*10)



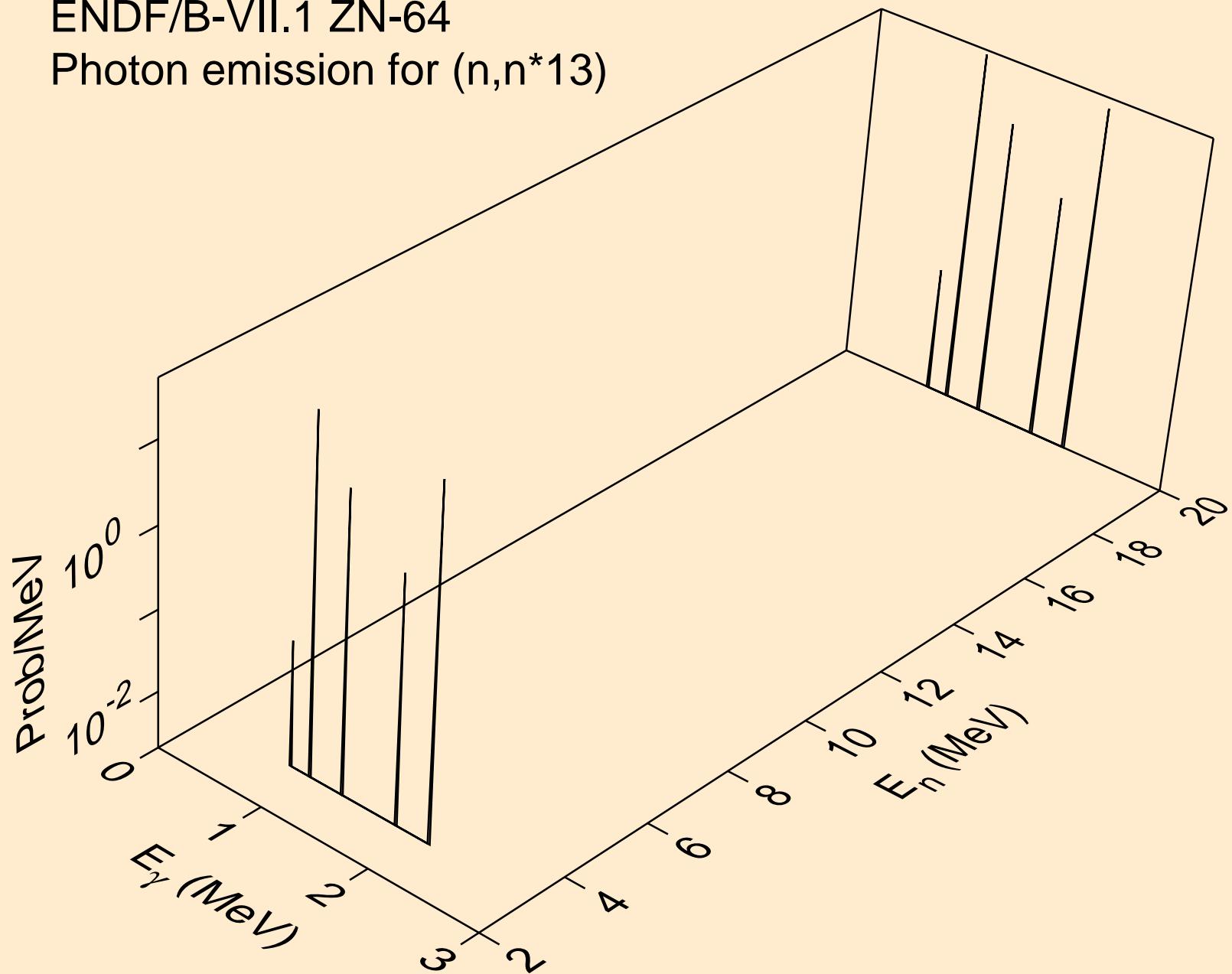
ENDF/B-VII.1 ZN-64  
Photon emission for (n,n\*11)



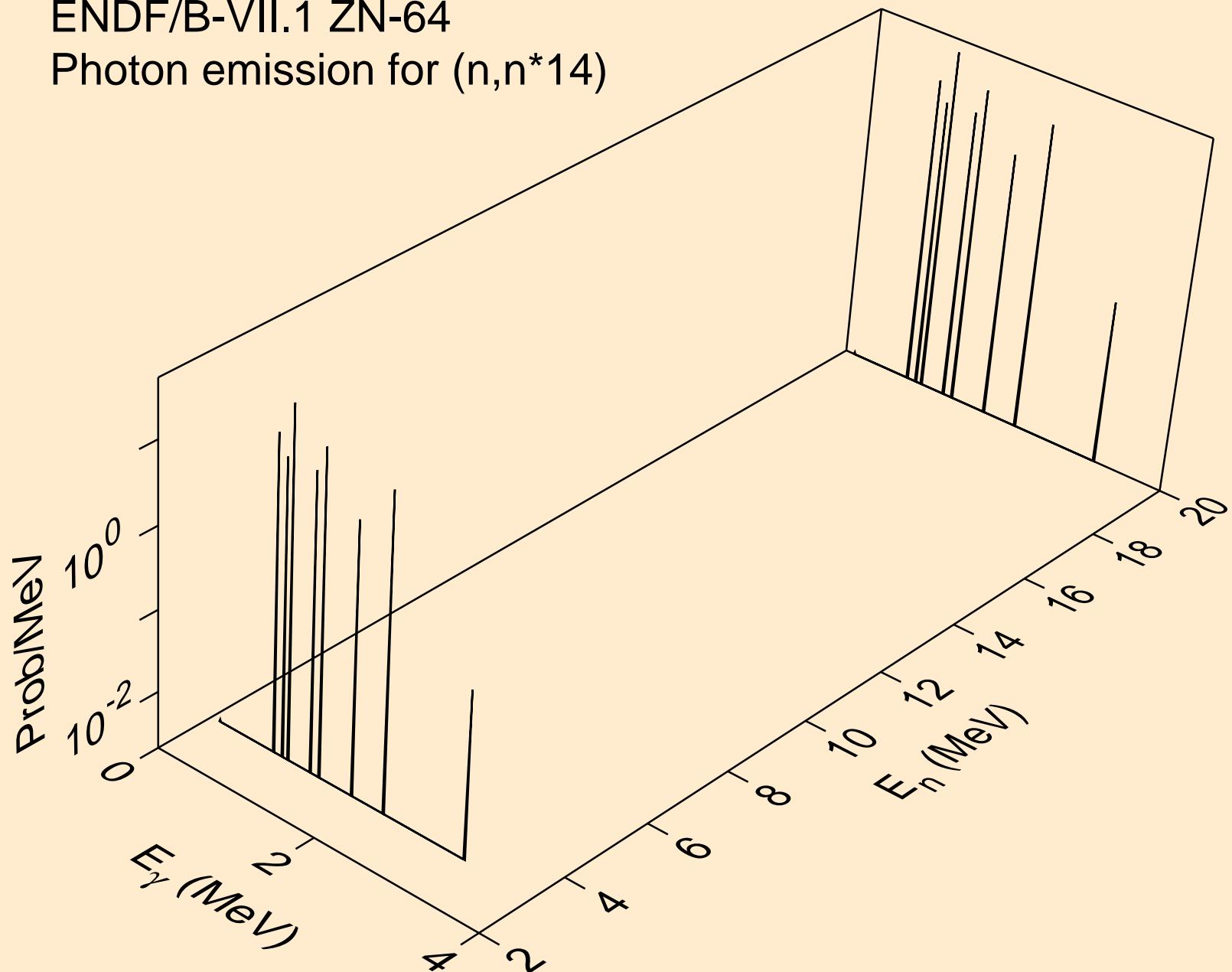
ENDF/B-VII.1 ZN-64  
Photon emission for ( $n, n^* 12$ )



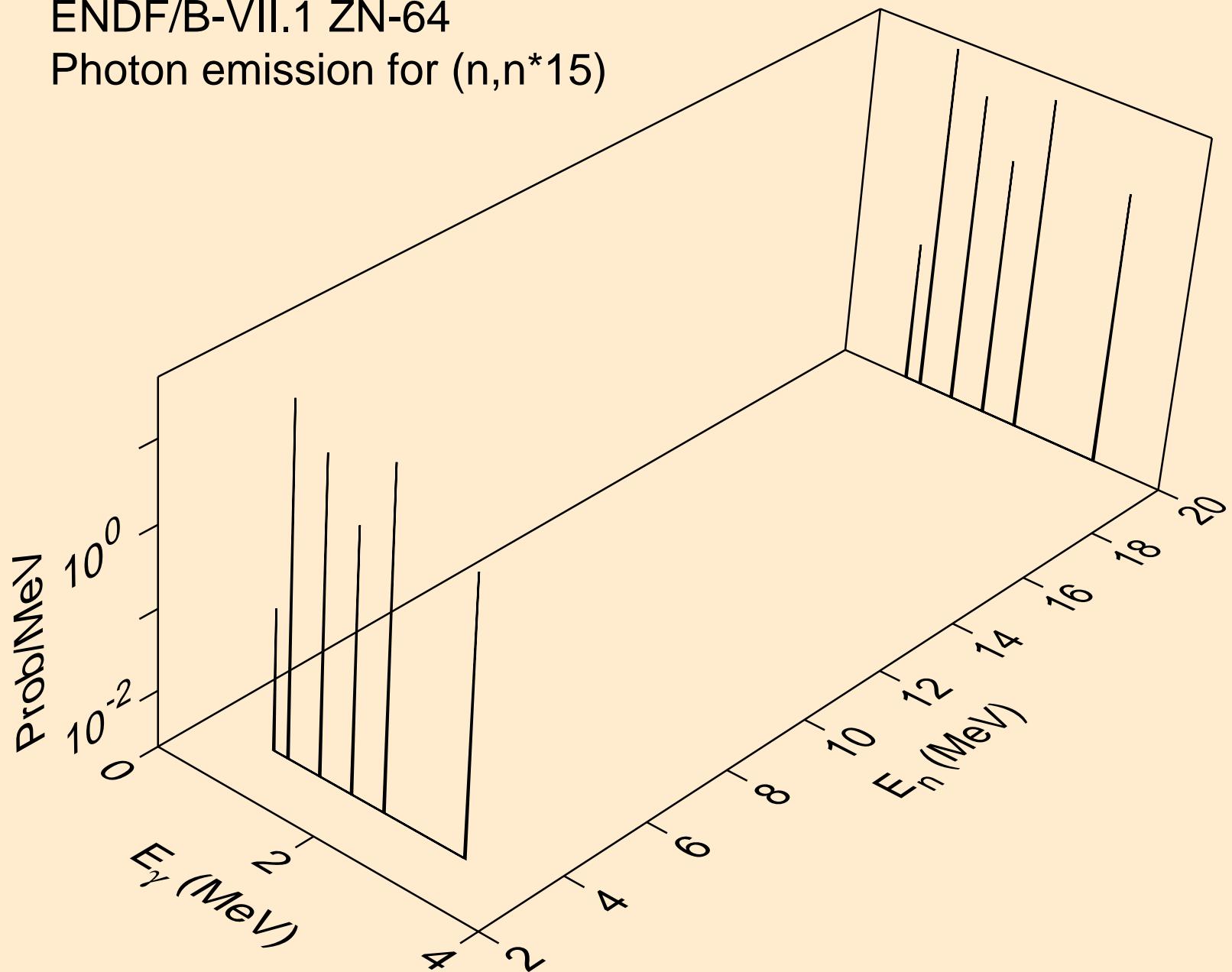
ENDF/B-VII.1 ZN-64  
Photon emission for ( $n, n^* 13$ )



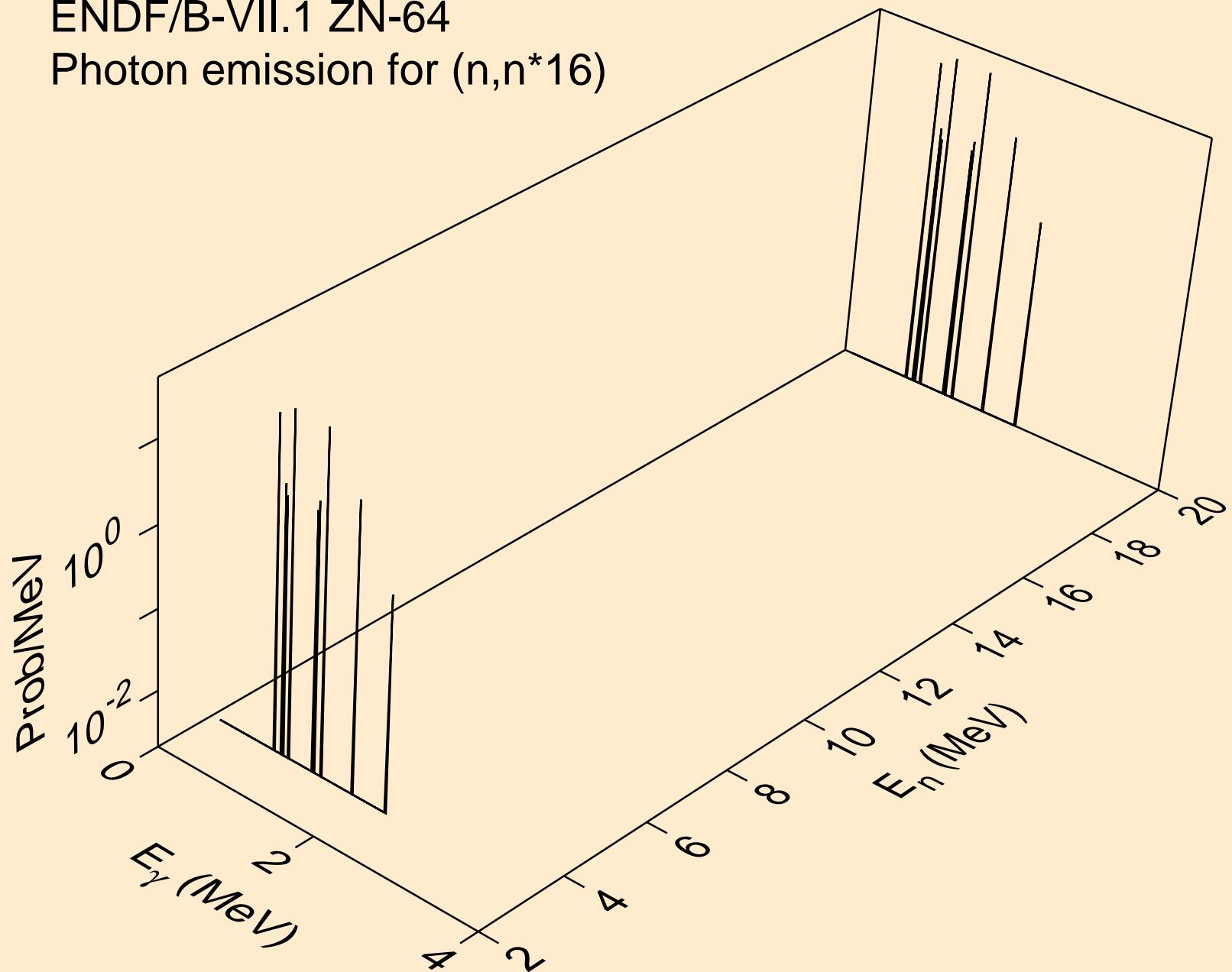
ENDF/B-VII.1 ZN-64  
Photon emission for ( $n, n^* 14$ )



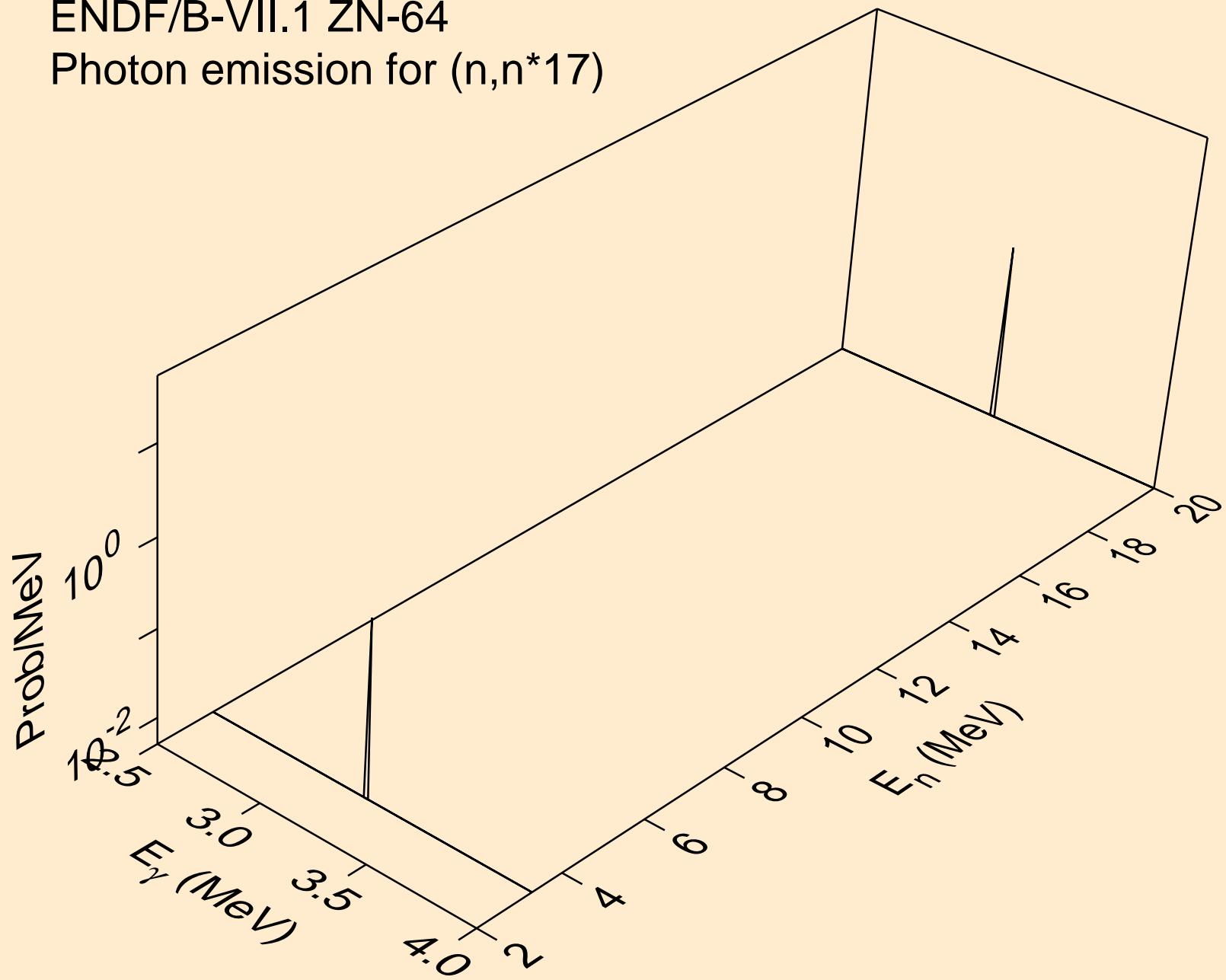
ENDF/B-VII.1 ZN-64  
Photon emission for ( $n, n^* 15$ )



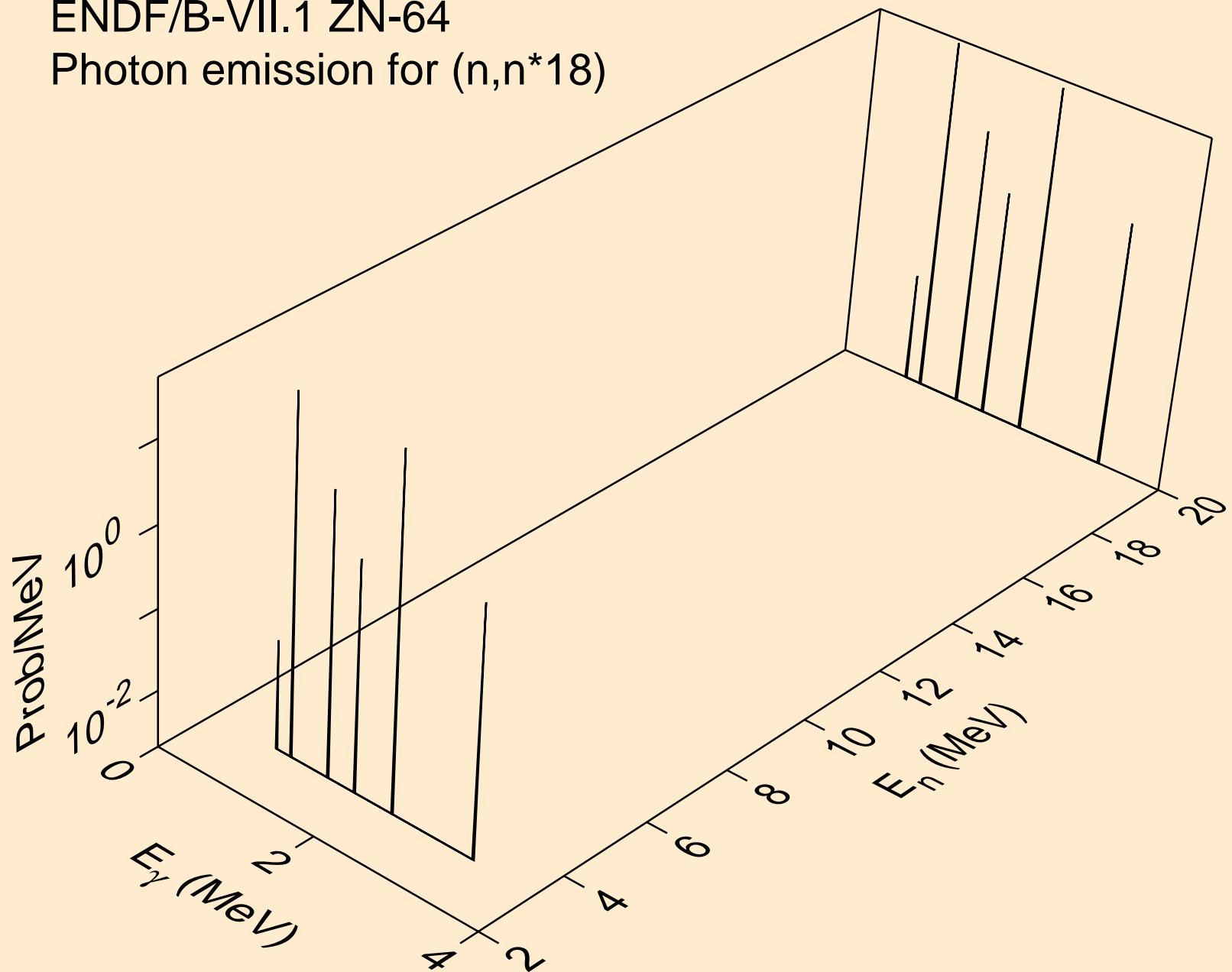
ENDF/B-VII.1 ZN-64  
Photon emission for ( $n, n^* 16$ )



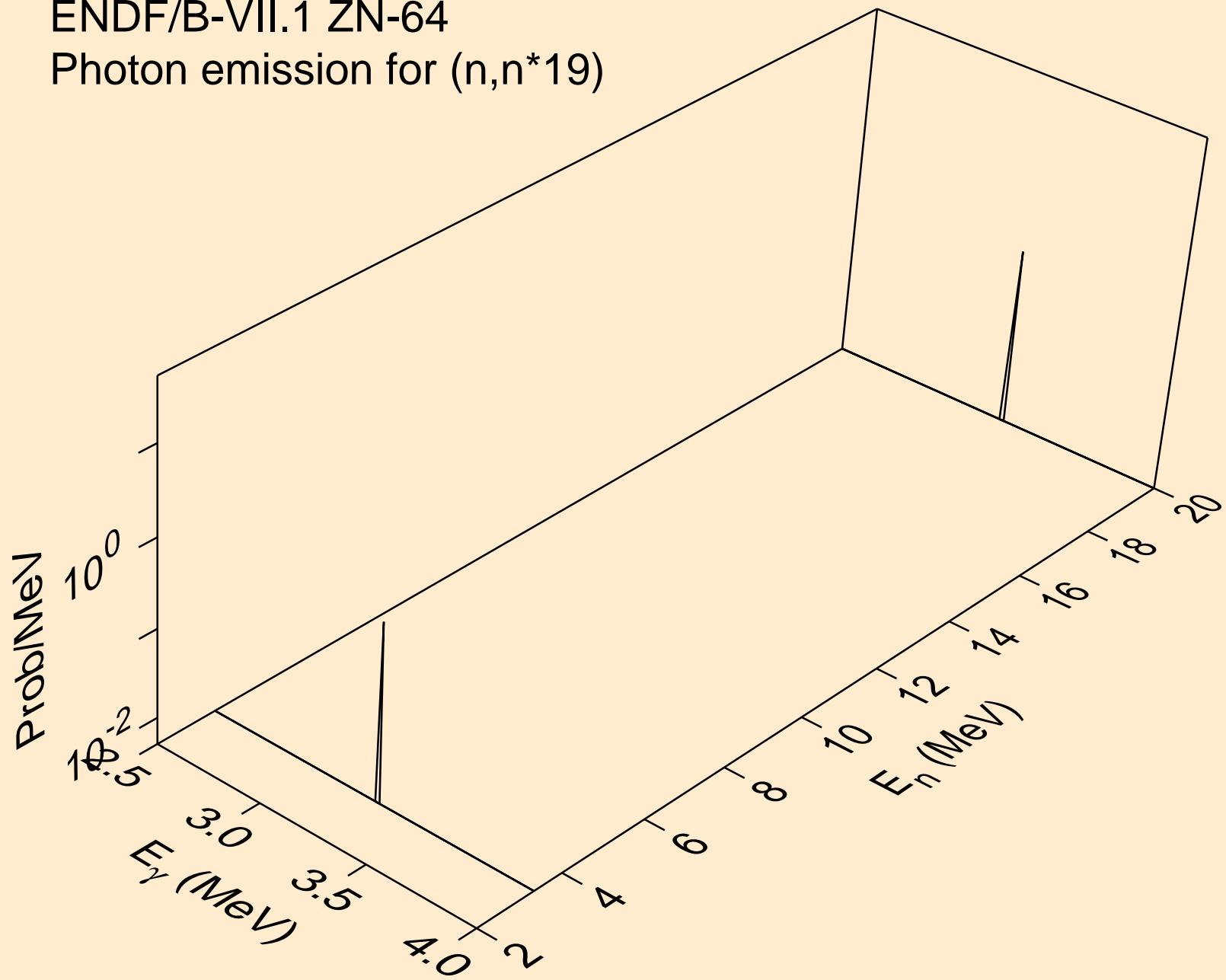
ENDF/B-VII.1 ZN-64  
Photon emission for ( $n, n^* 17$ )



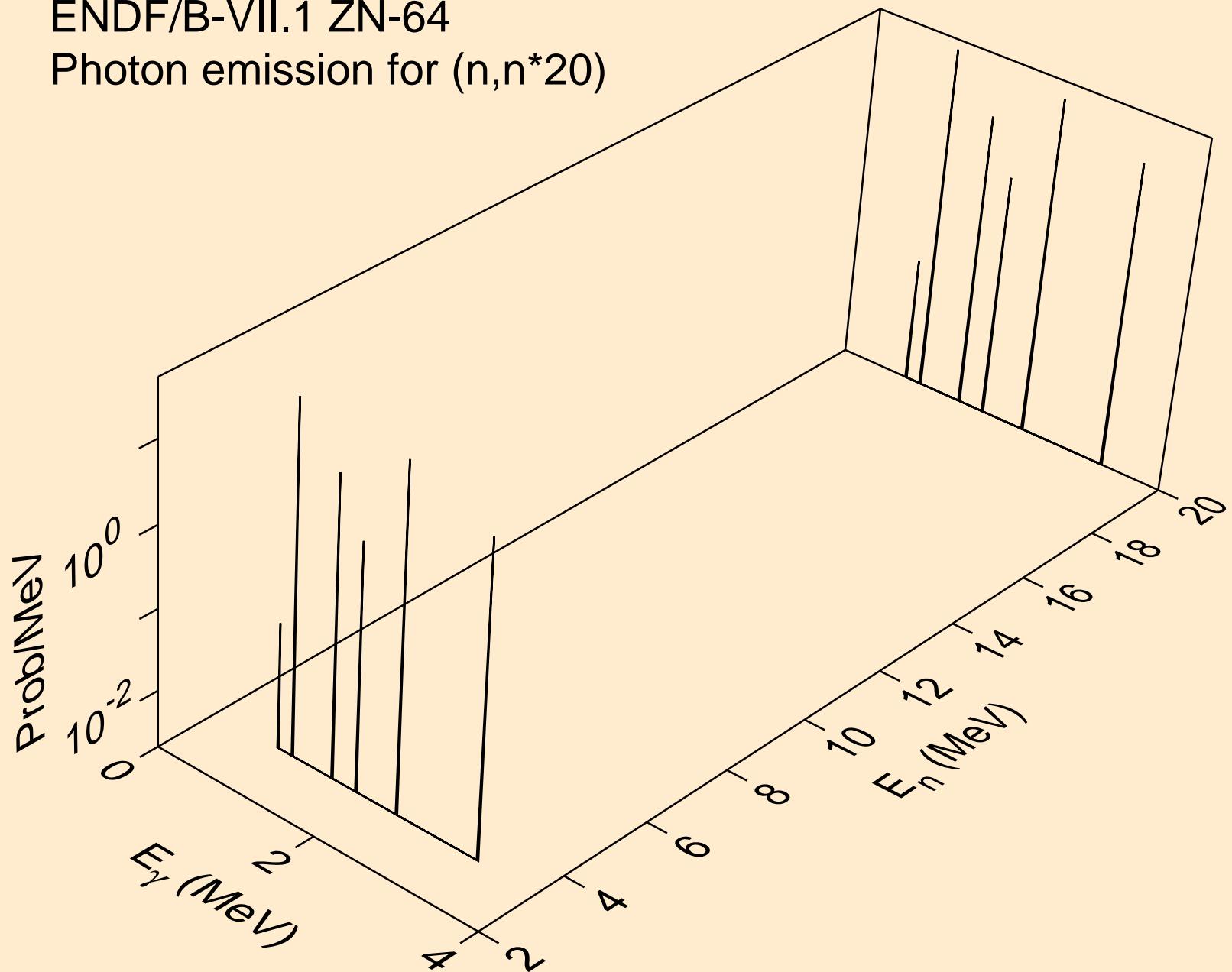
ENDF/B-VII.1 ZN-64  
Photon emission for ( $n, n^* 18$ )



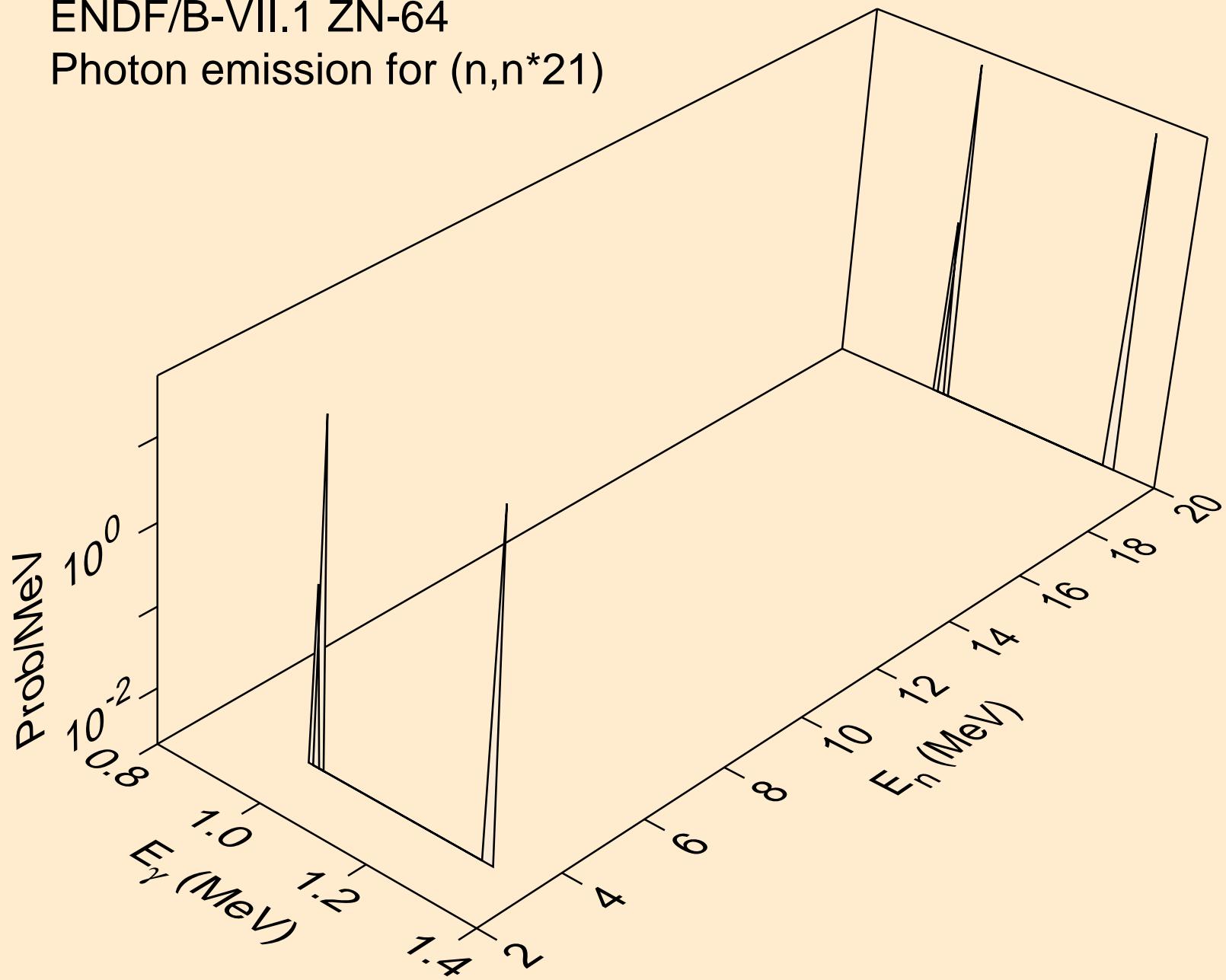
ENDF/B-VII.1 ZN-64  
Photon emission for ( $n, n^* 19$ )



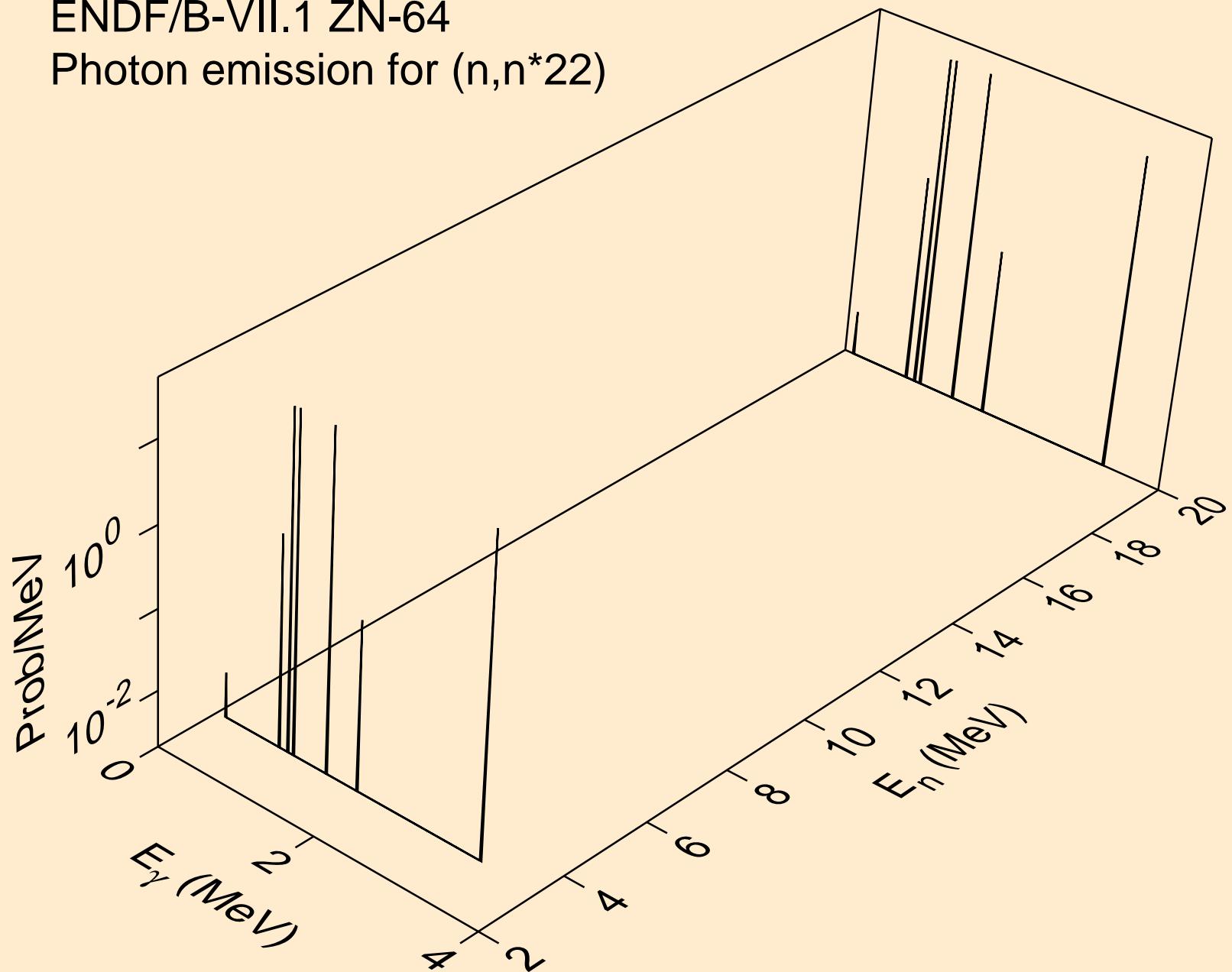
ENDF/B-VII.1 ZN-64  
Photon emission for ( $n, n^* 20$ )



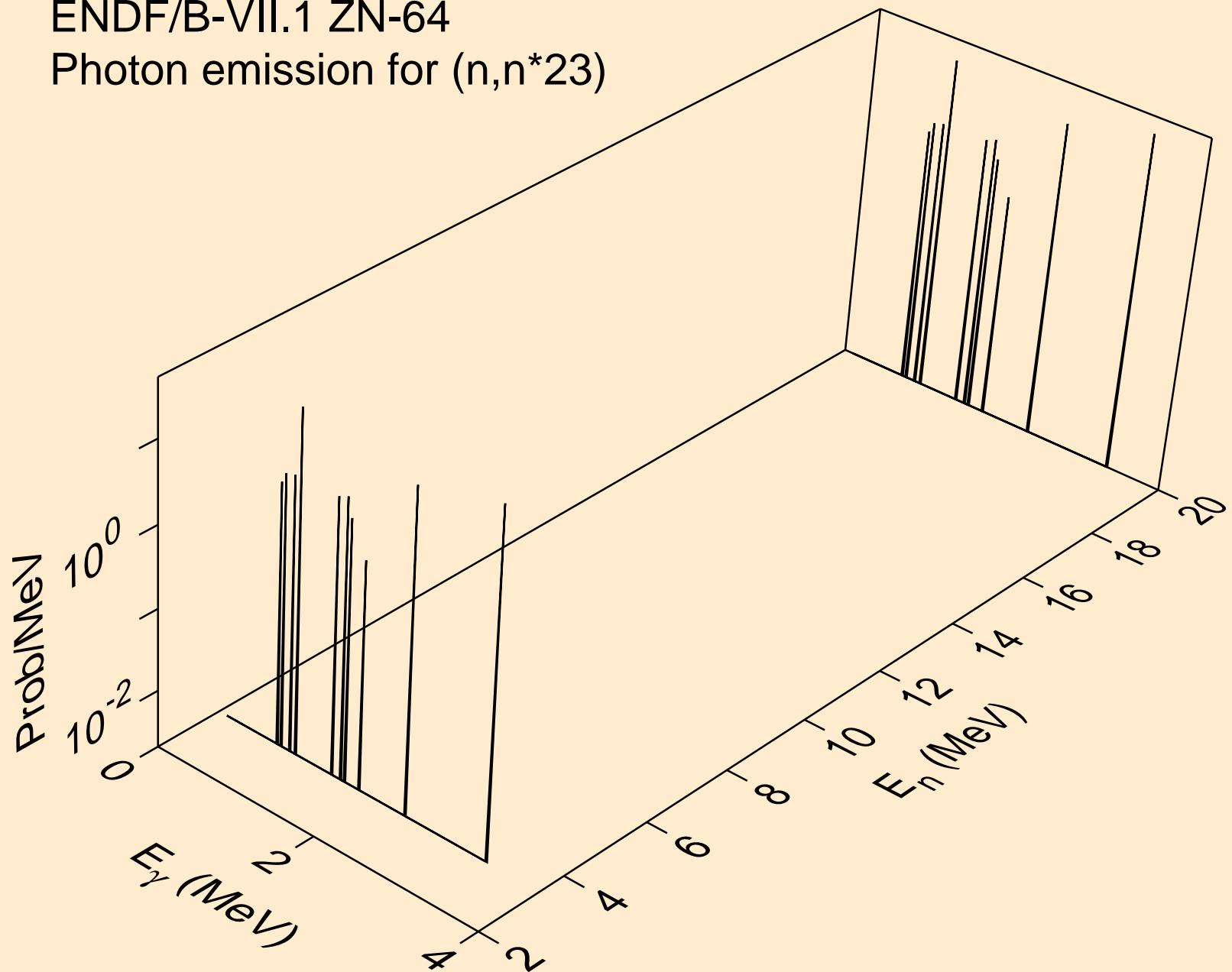
ENDF/B-VII.1 ZN-64  
Photon emission for ( $n, n^* 21$ )



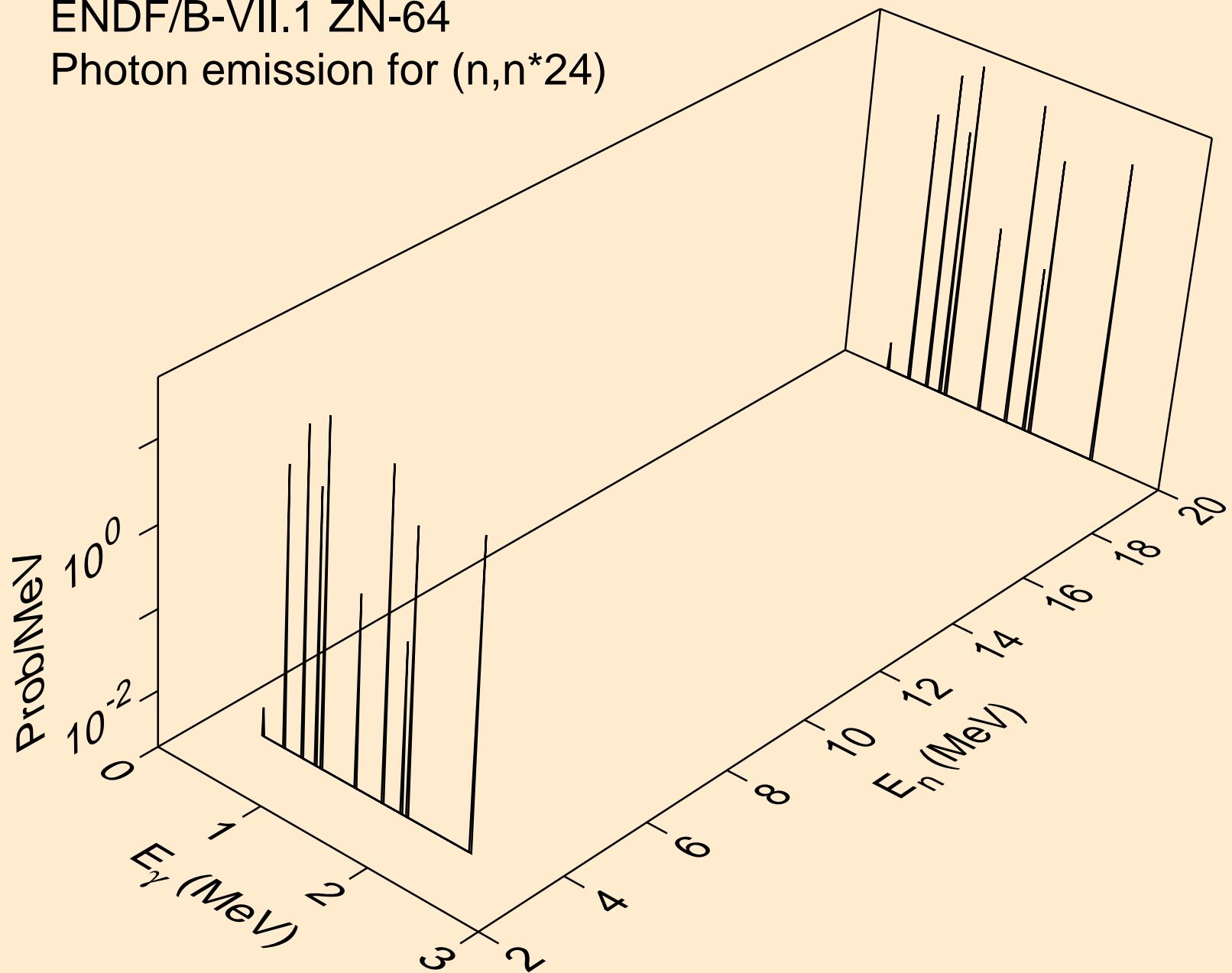
ENDF/B-VII.1 ZN-64  
Photon emission for ( $n, n^* 22$ )



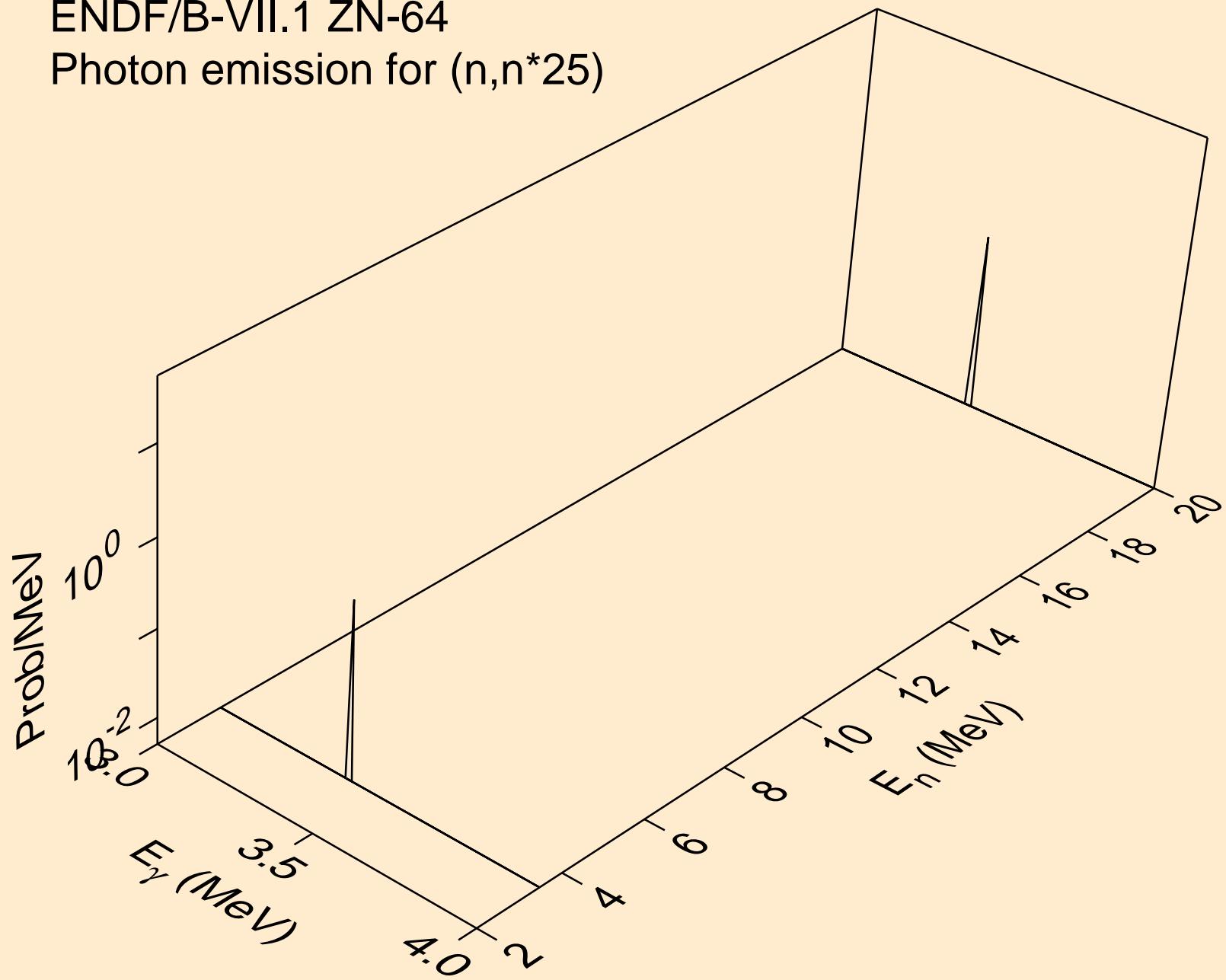
ENDF/B-VII.1 ZN-64  
Photon emission for ( $n, n^* 23$ )



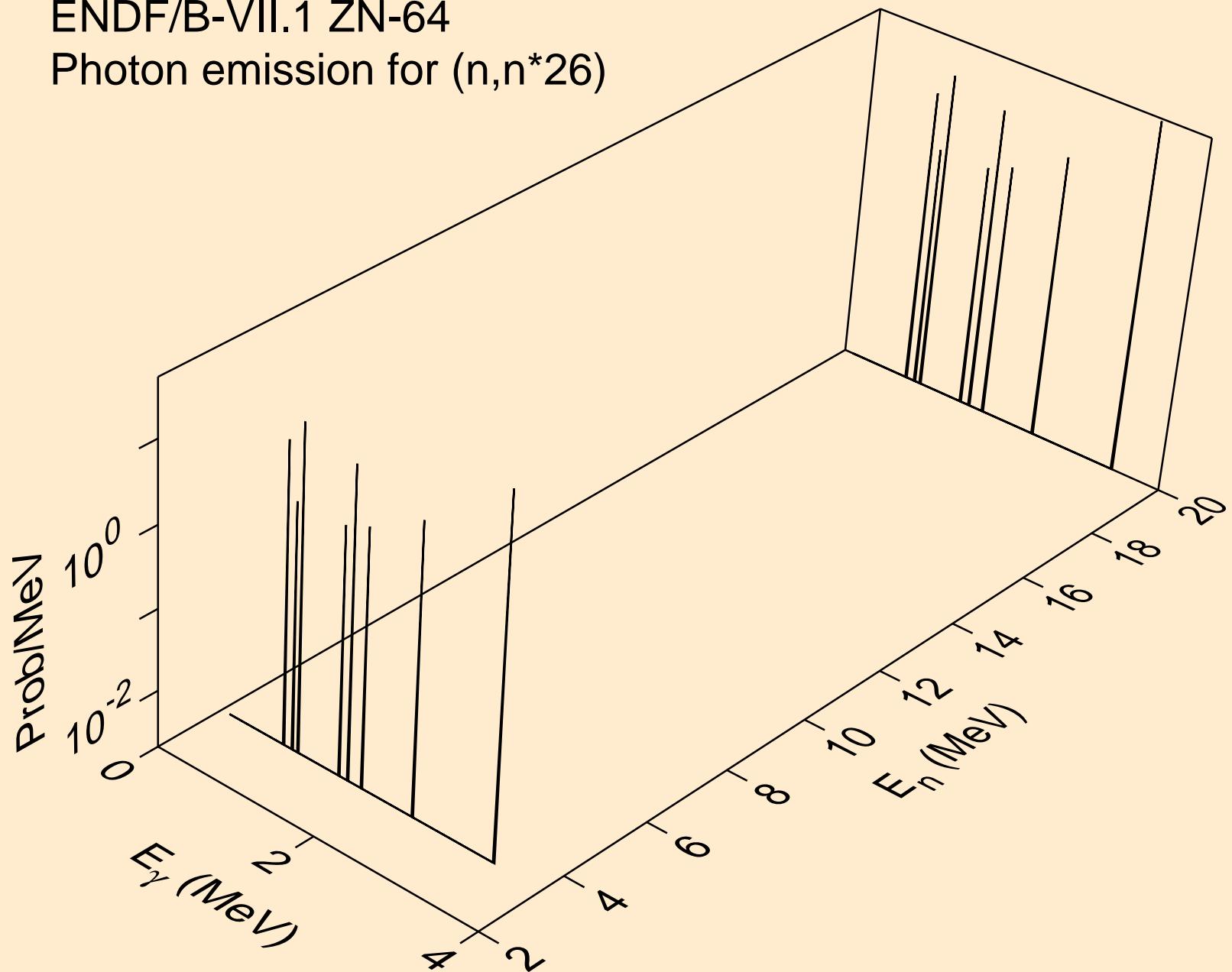
ENDF/B-VII.1 ZN-64  
Photon emission for ( $n, n^* 24$ )



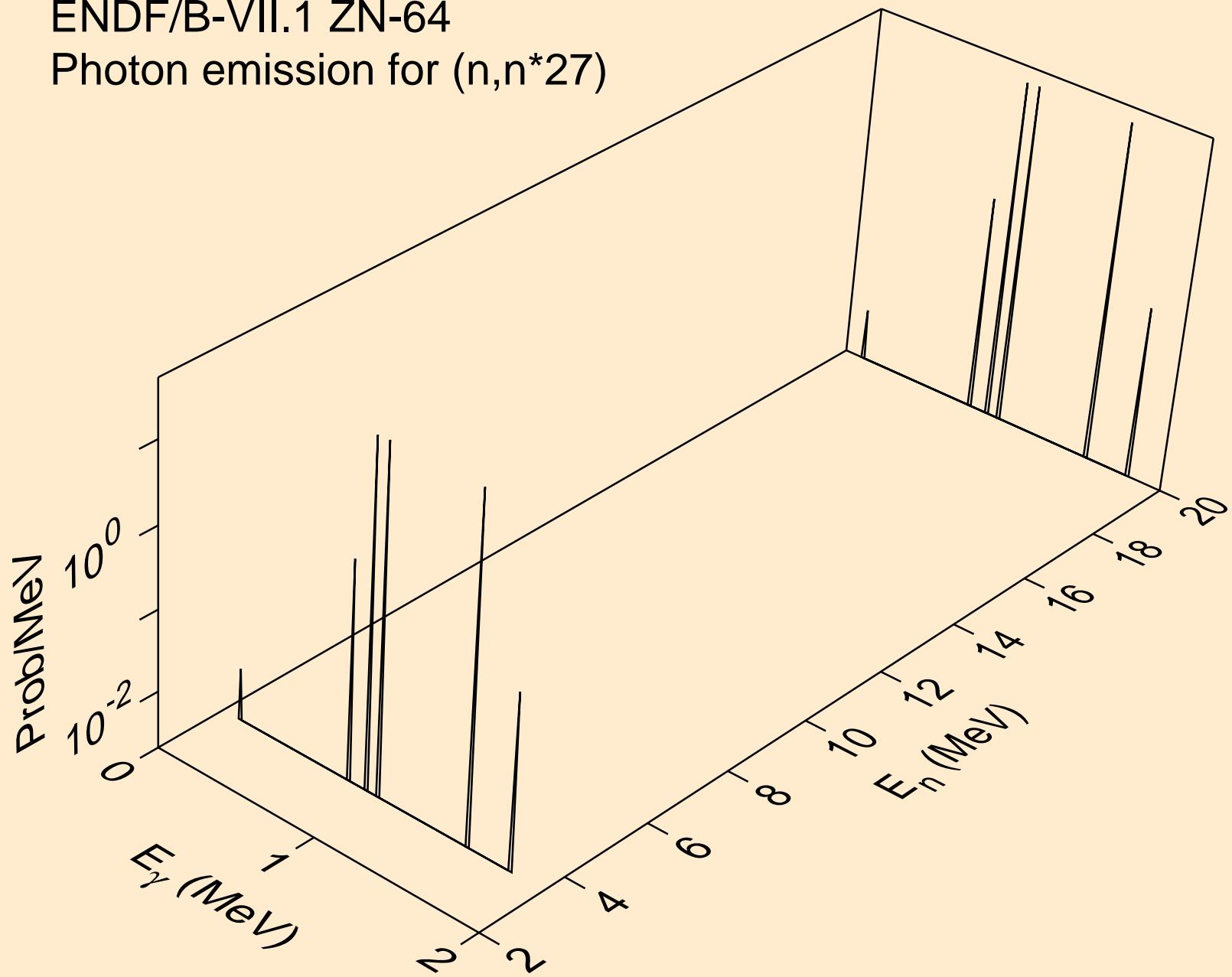
ENDF/B-VII.1 ZN-64  
Photon emission for ( $n, n^* 25$ )



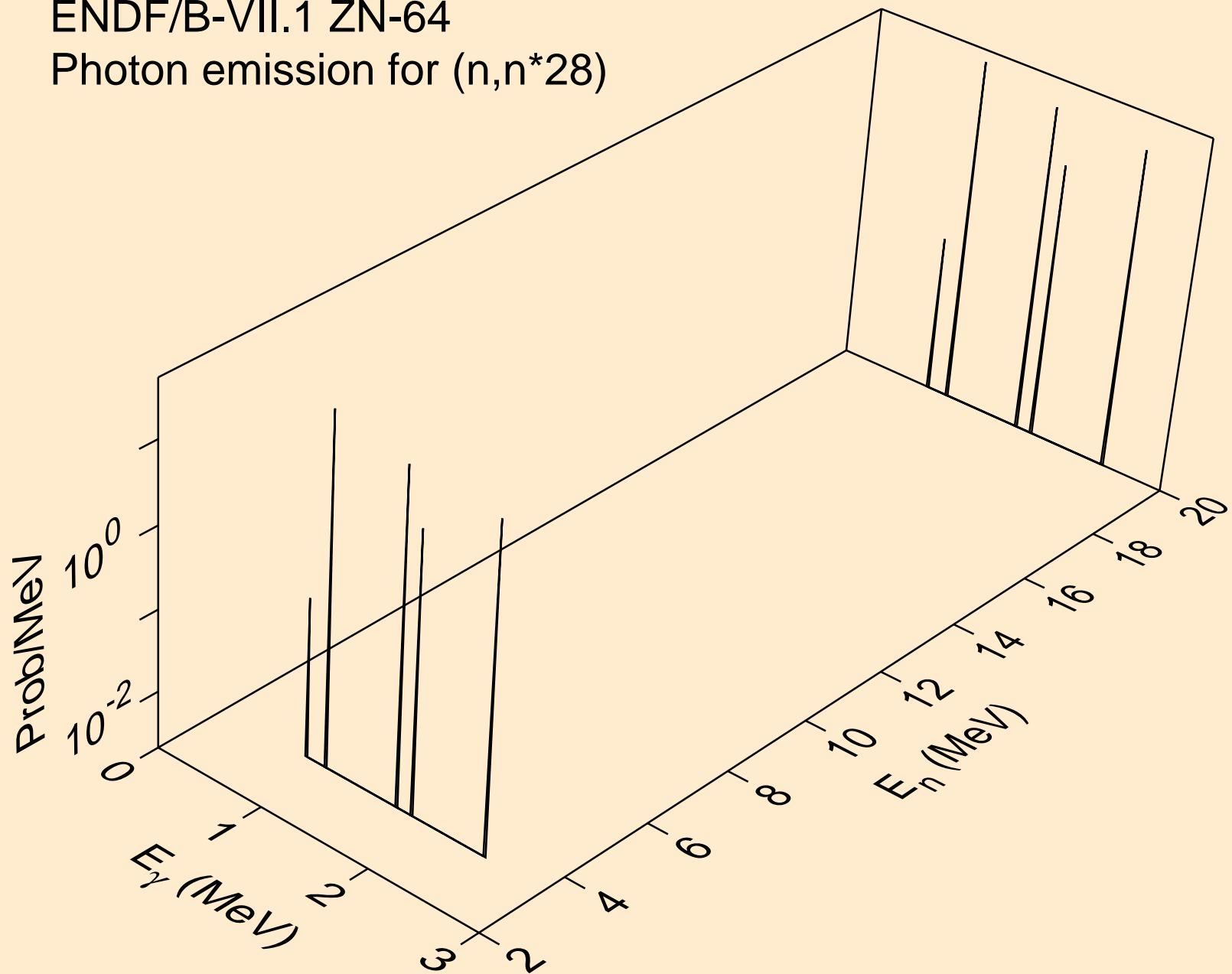
ENDF/B-VII.1 ZN-64  
Photon emission for ( $n, n^* 26$ )



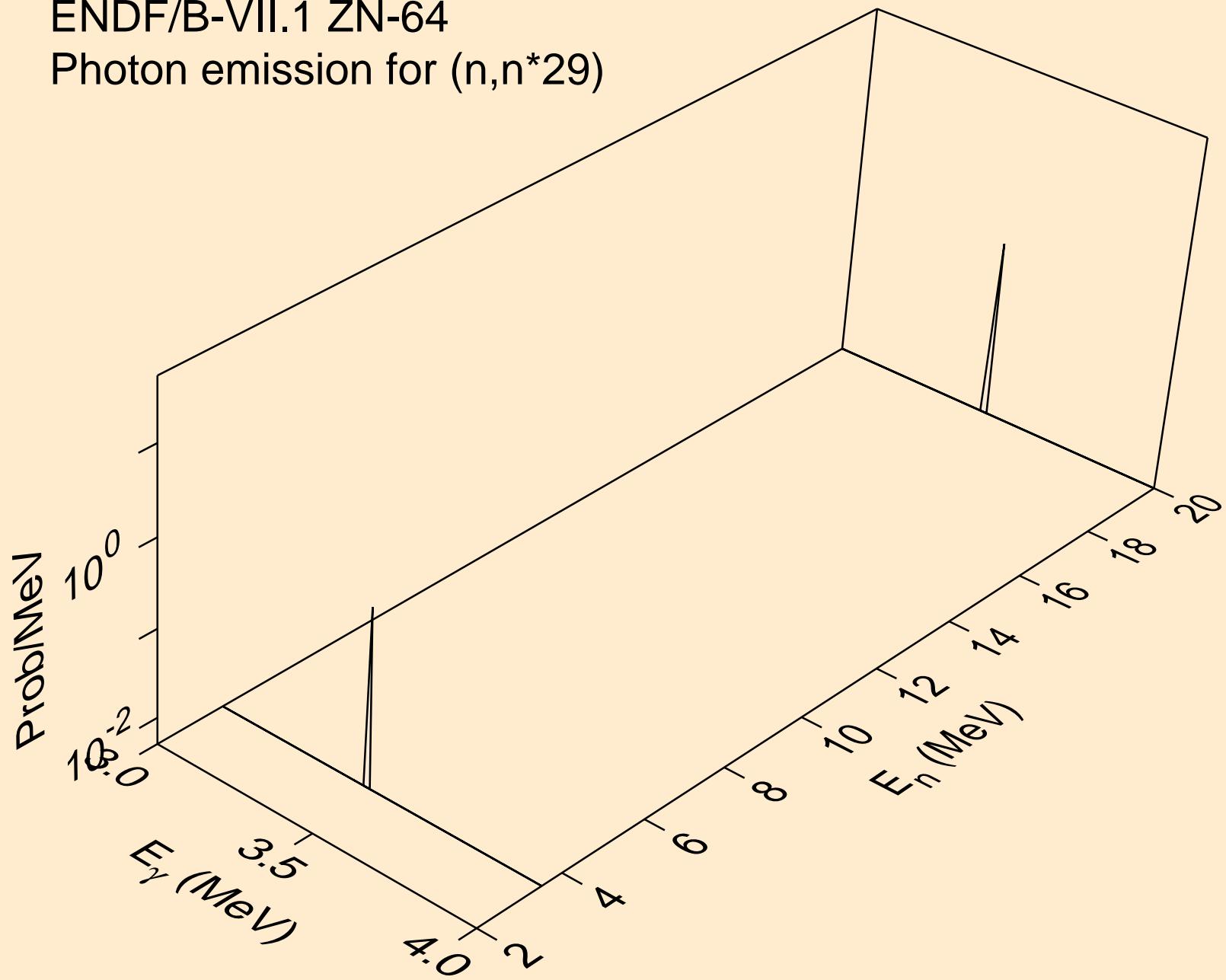
ENDF/B-VII.1 ZN-64  
Photon emission for ( $n, n^* 27$ )



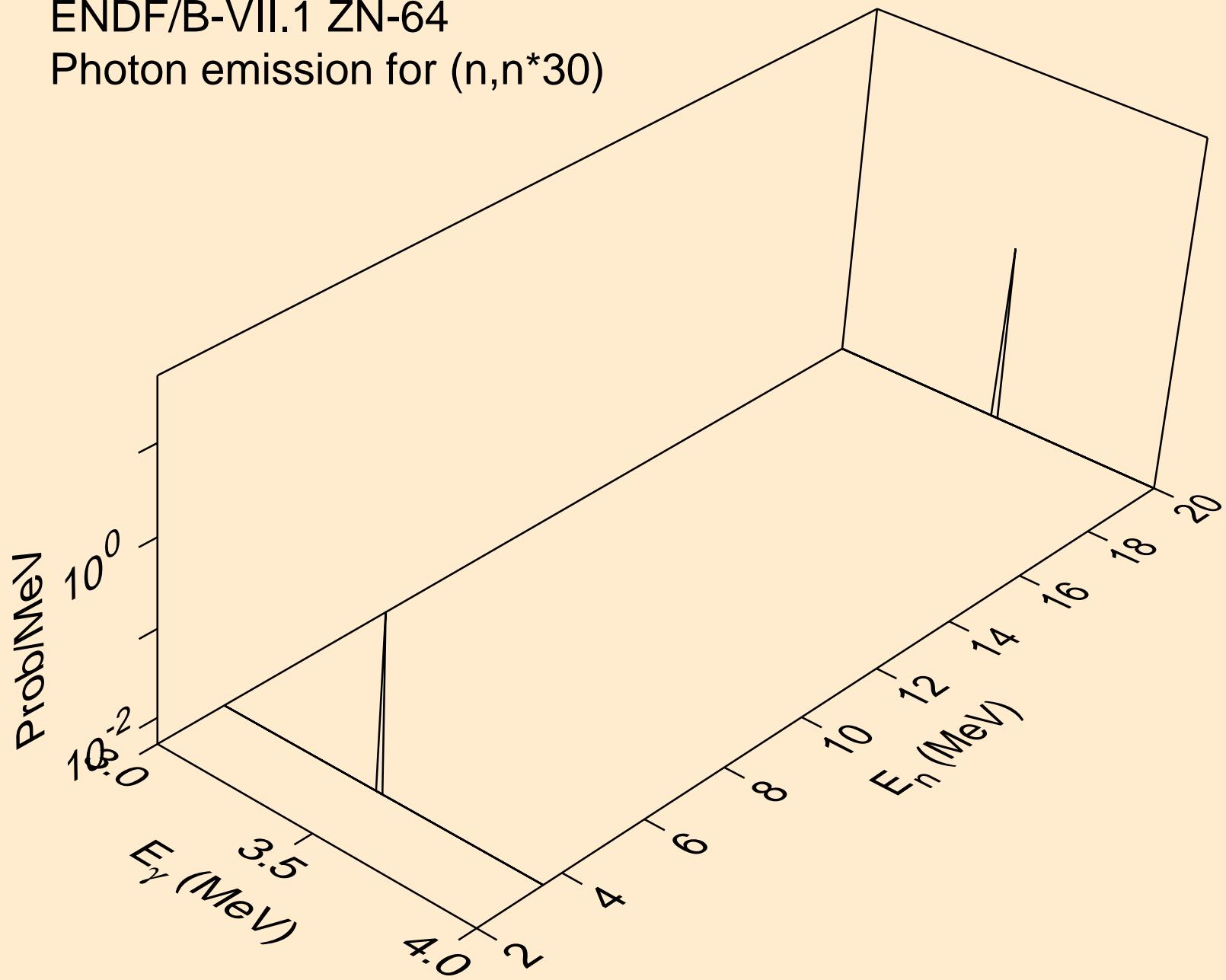
ENDF/B-VII.1 ZN-64  
Photon emission for ( $n, n^* 28$ )



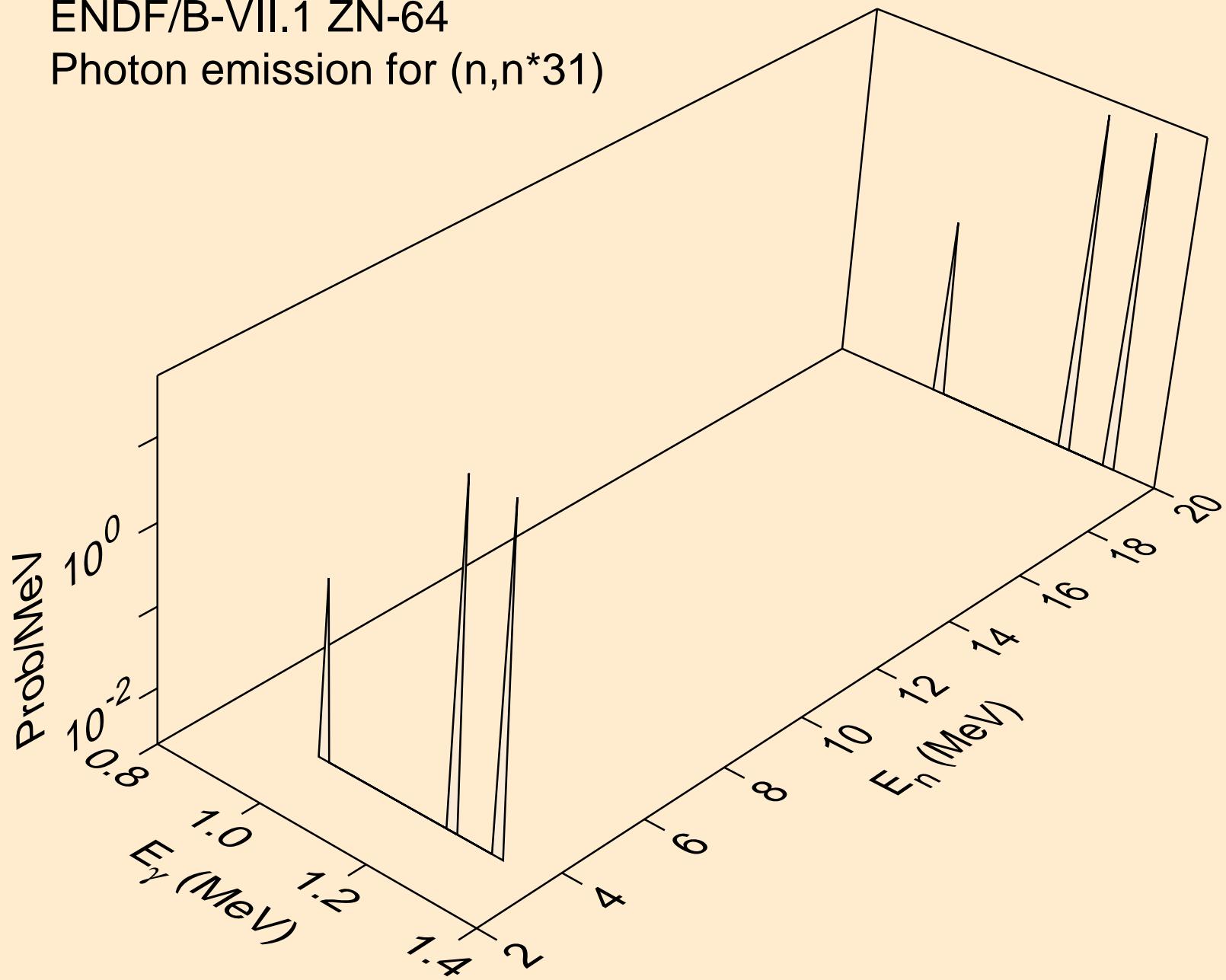
ENDF/B-VII.1 ZN-64  
Photon emission for ( $n, n^* 29$ )



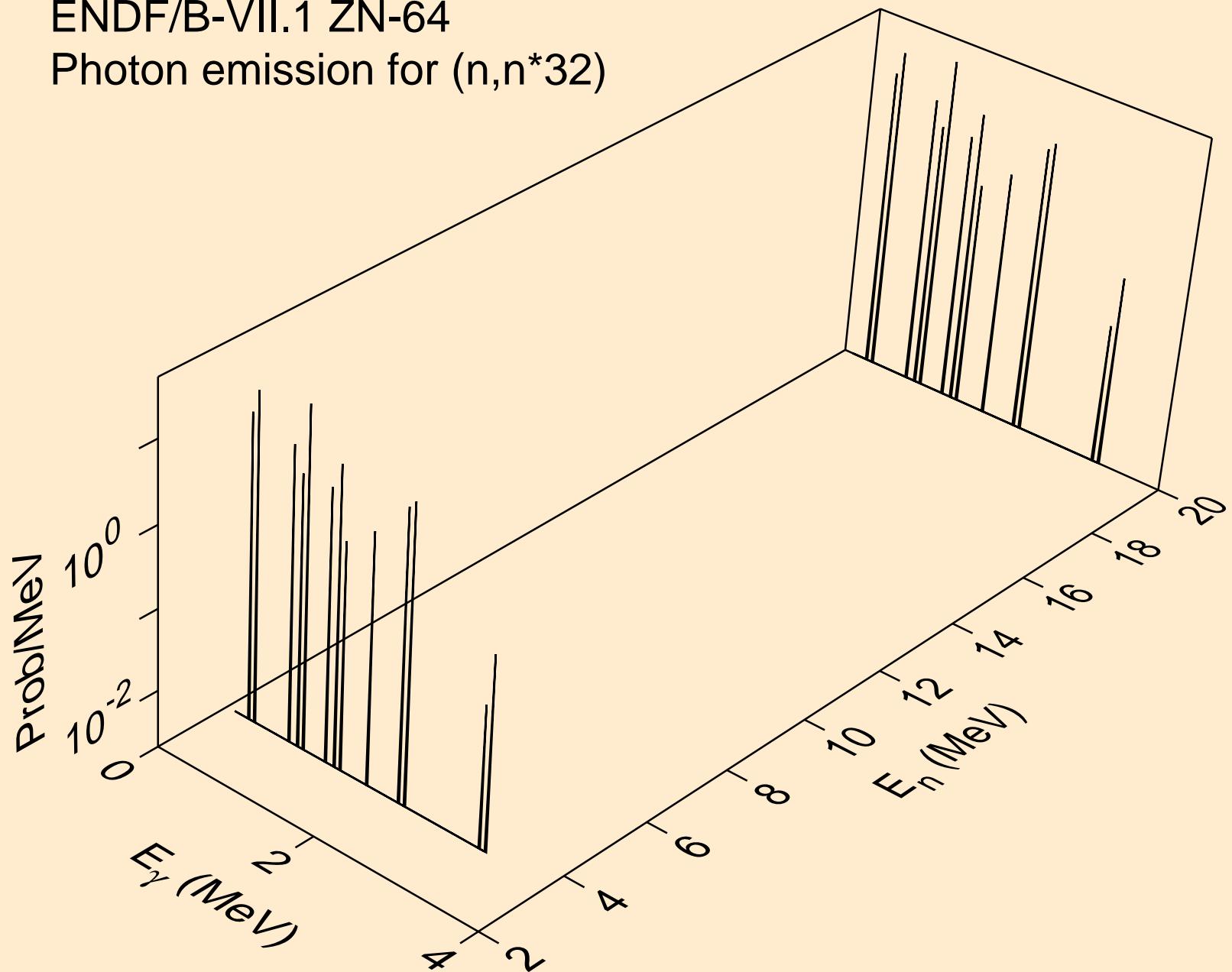
ENDF/B-VII.1 ZN-64  
Photon emission for ( $n, n^* 30$ )



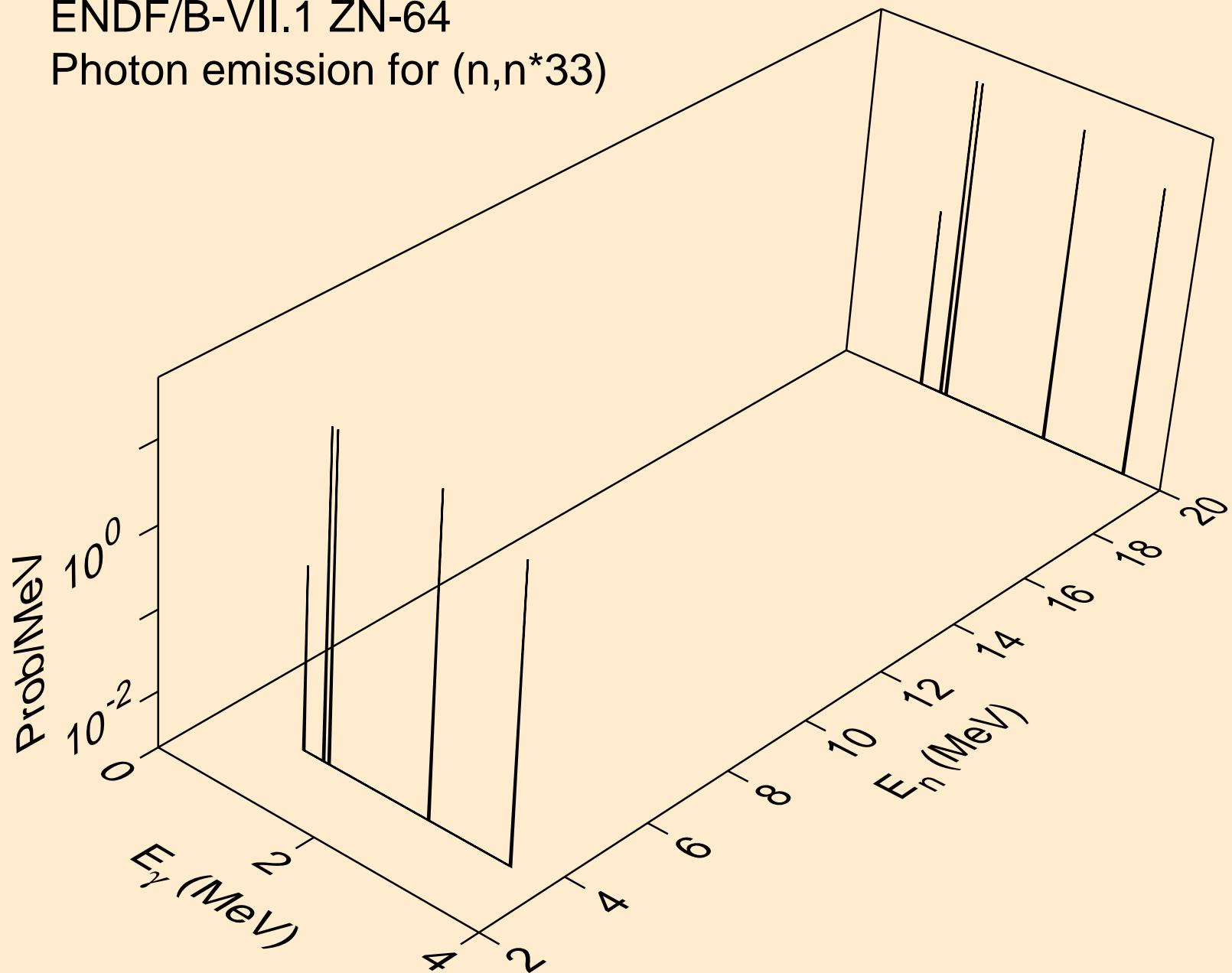
ENDF/B-VII.1 ZN-64  
Photon emission for ( $n, n^* 31$ )



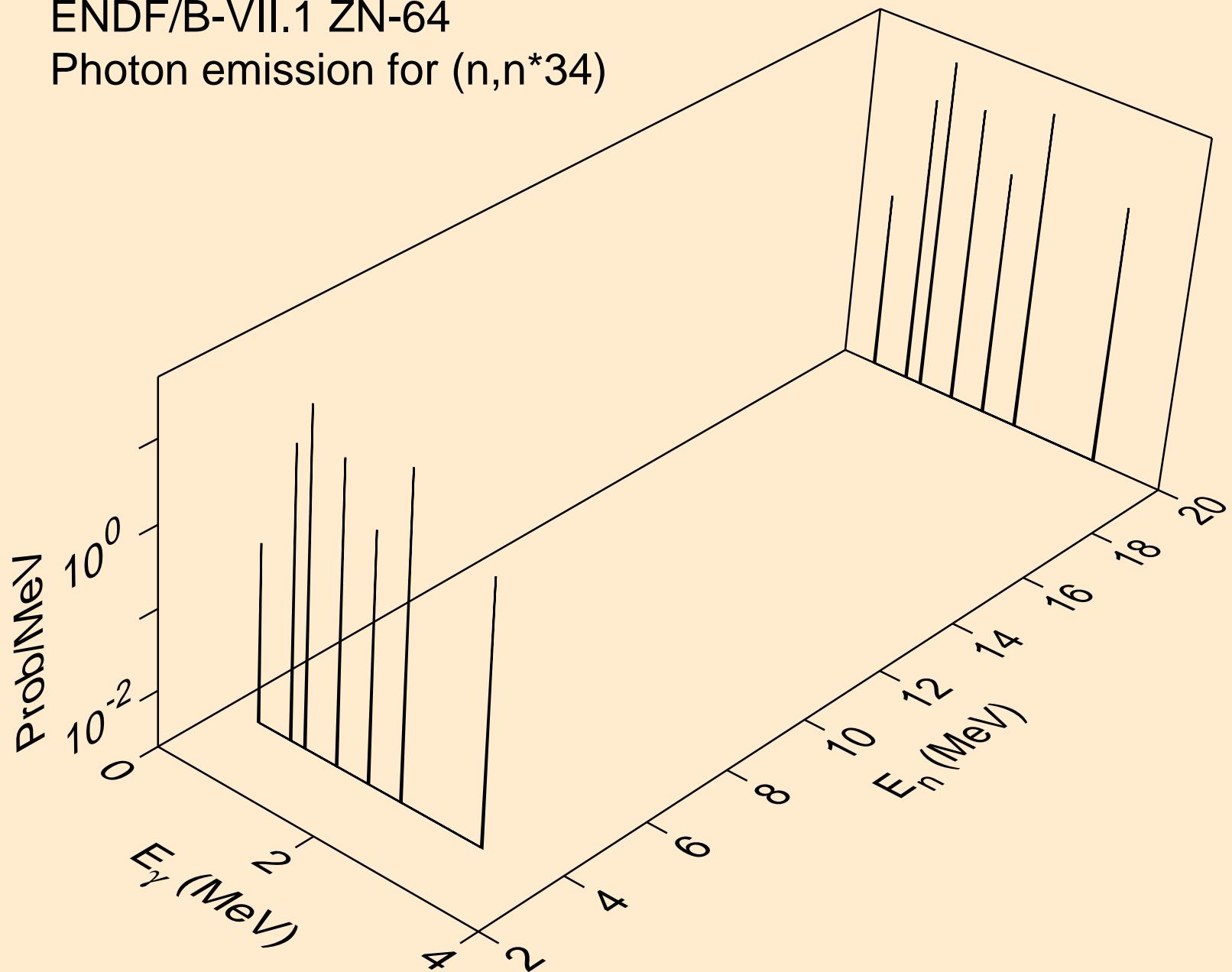
ENDF/B-VII.1 ZN-64  
Photon emission for ( $n, n^* 32$ )



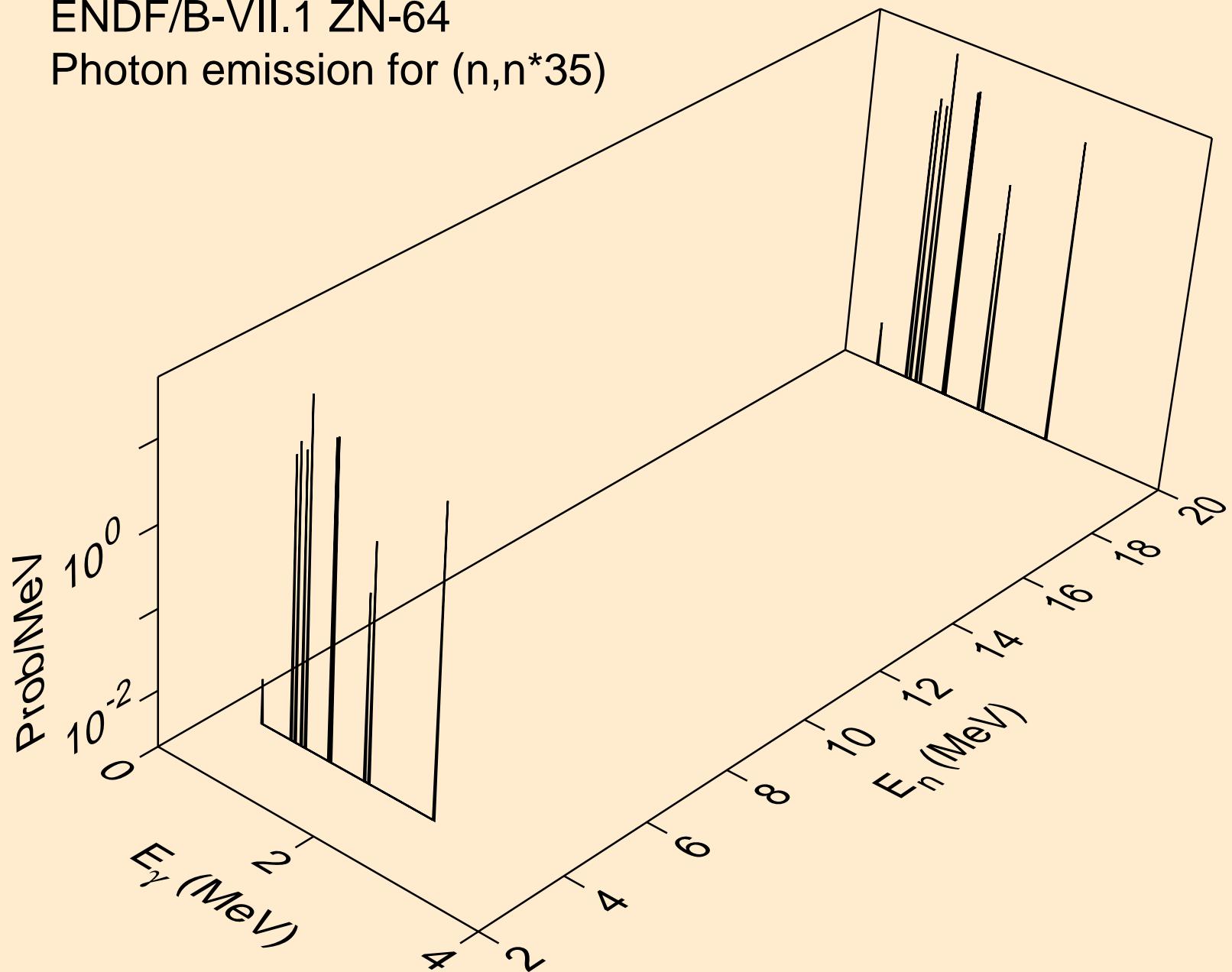
ENDF/B-VII.1 ZN-64  
Photon emission for ( $n, n^* 33$ )



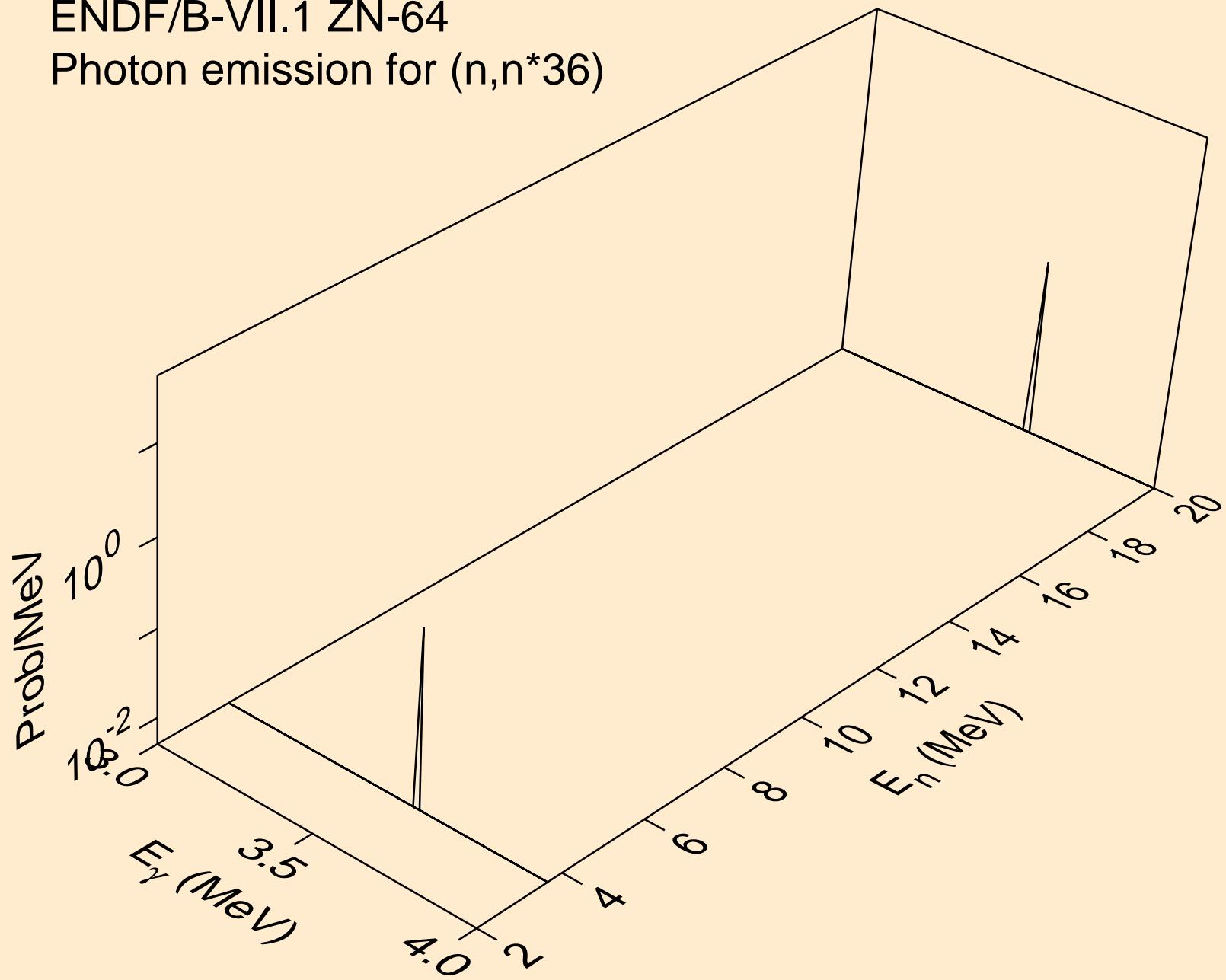
ENDF/B-VII.1 ZN-64  
Photon emission for ( $n, n^*34$ )



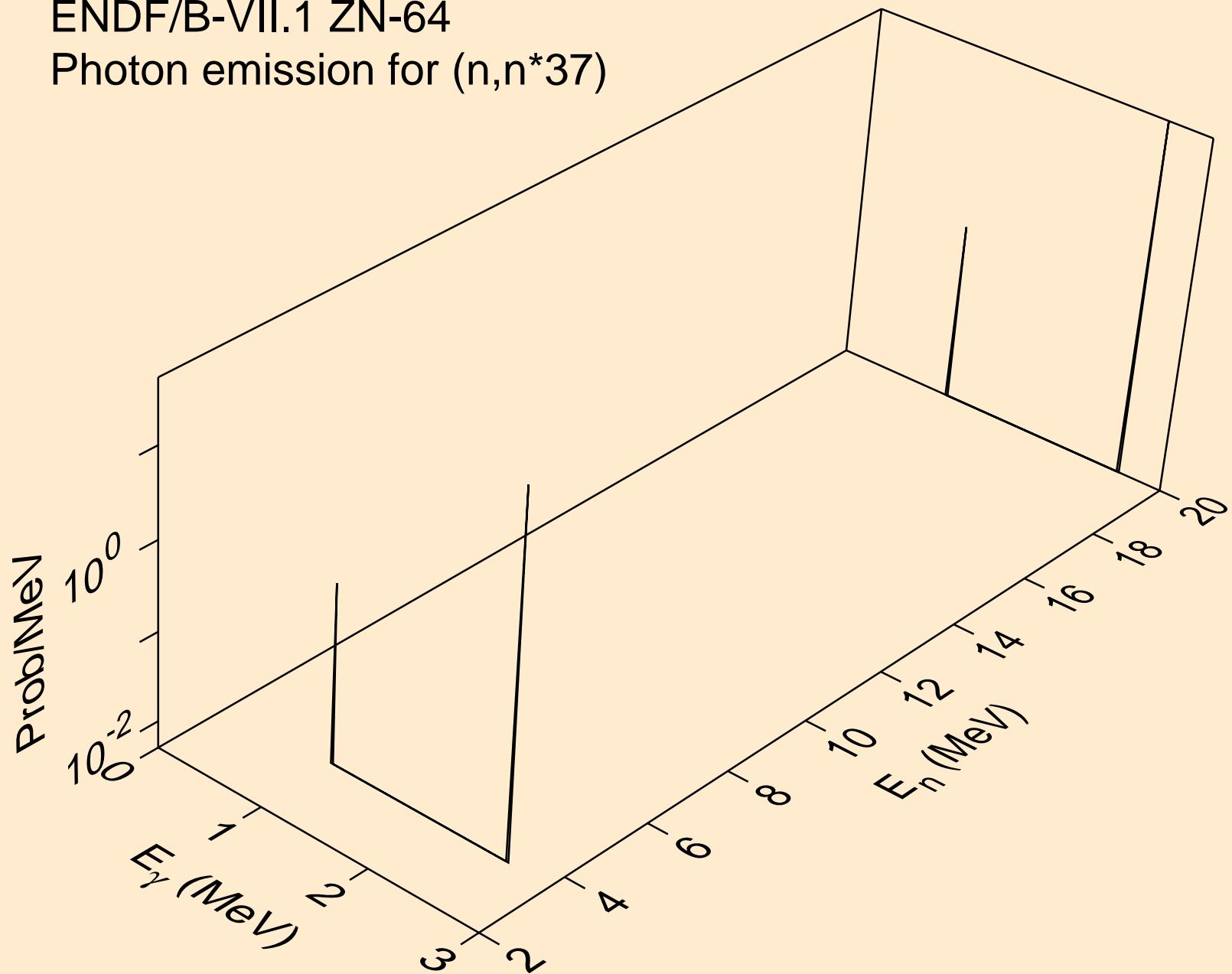
ENDF/B-VII.1 ZN-64  
Photon emission for ( $n, n^*$ )<sup>35</sup>



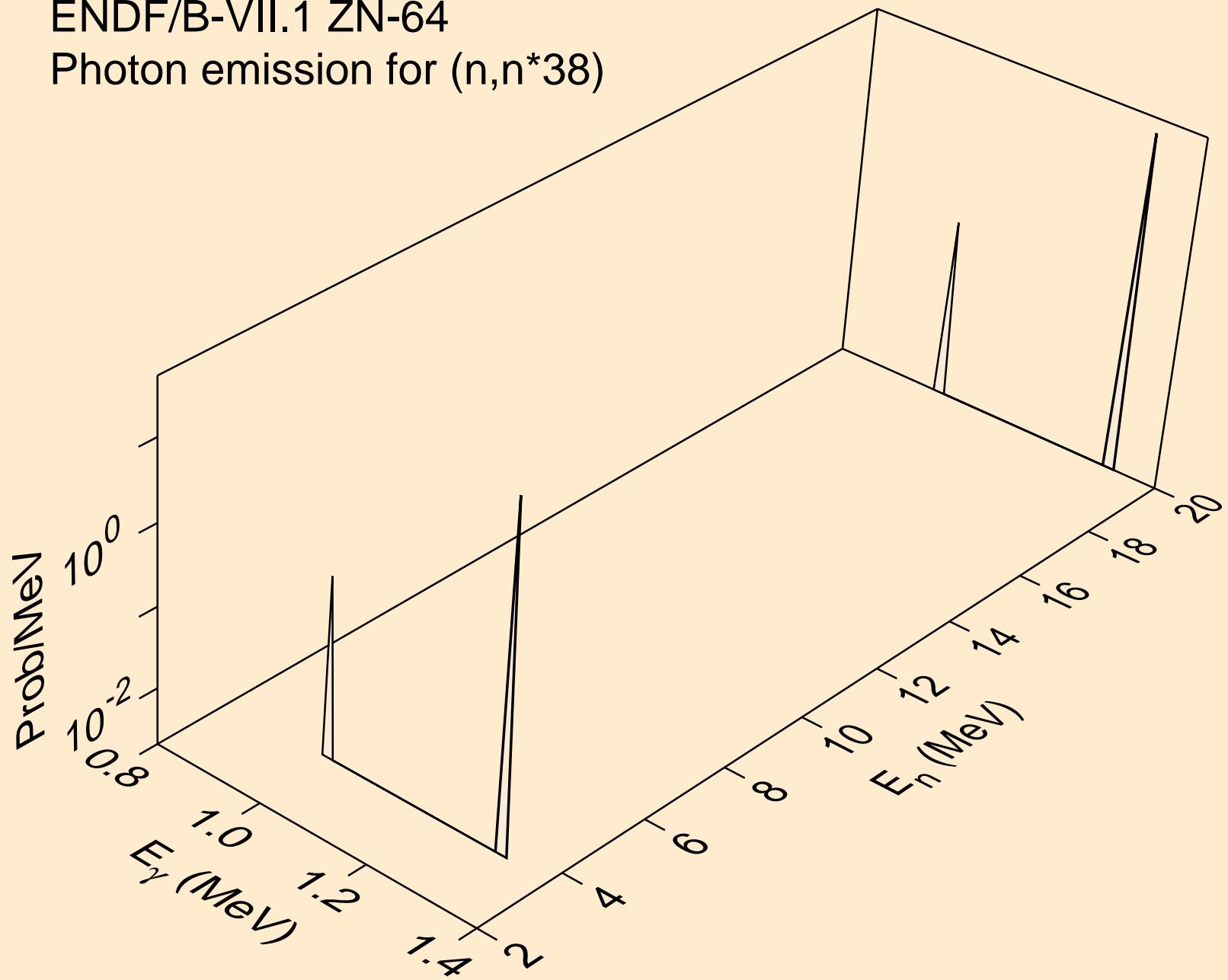
ENDF/B-VII.1 ZN-64  
Photon emission for ( $n, n^* 36$ )



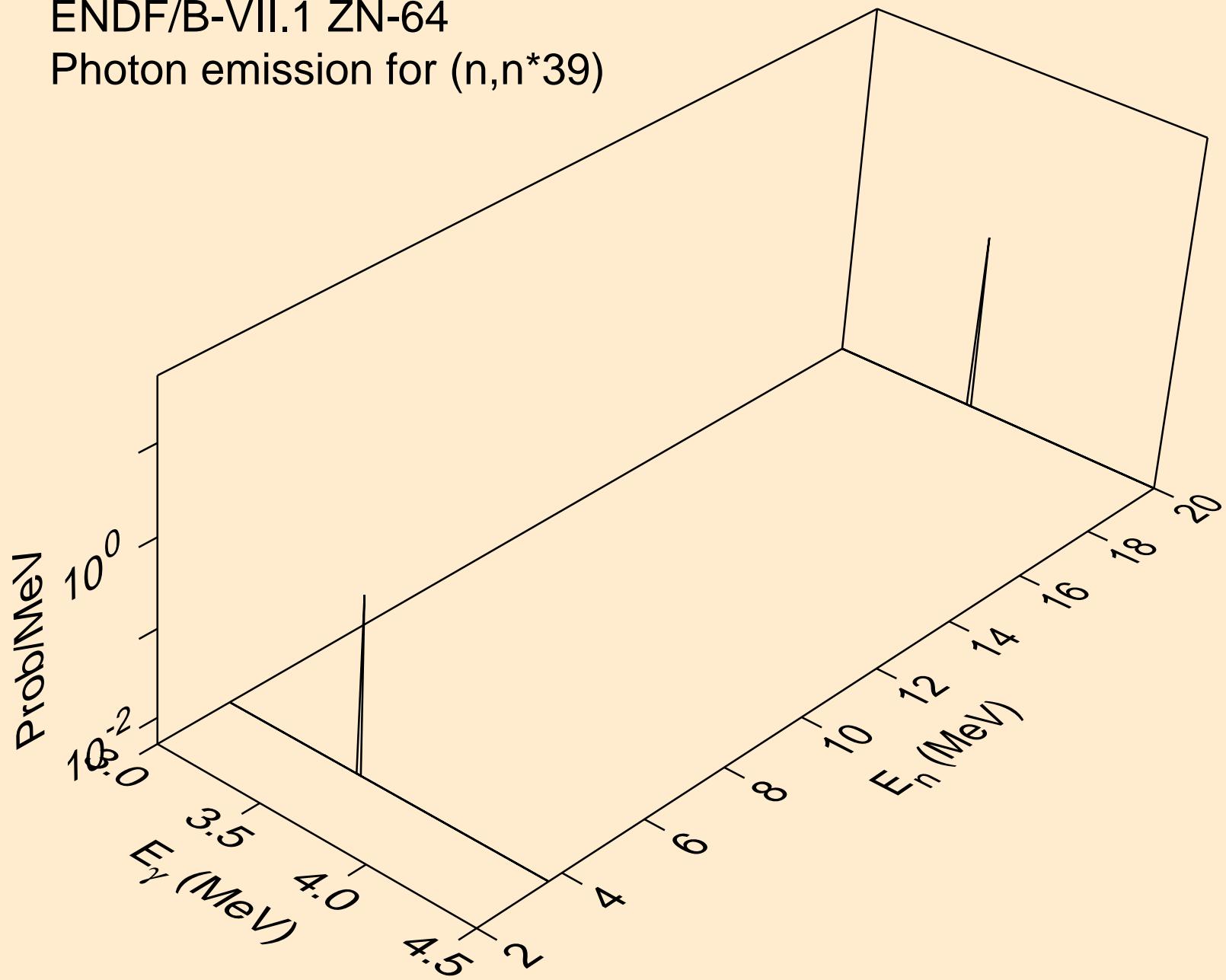
ENDF/B-VII.1 ZN-64  
Photon emission for ( $n, n^* 37$ )



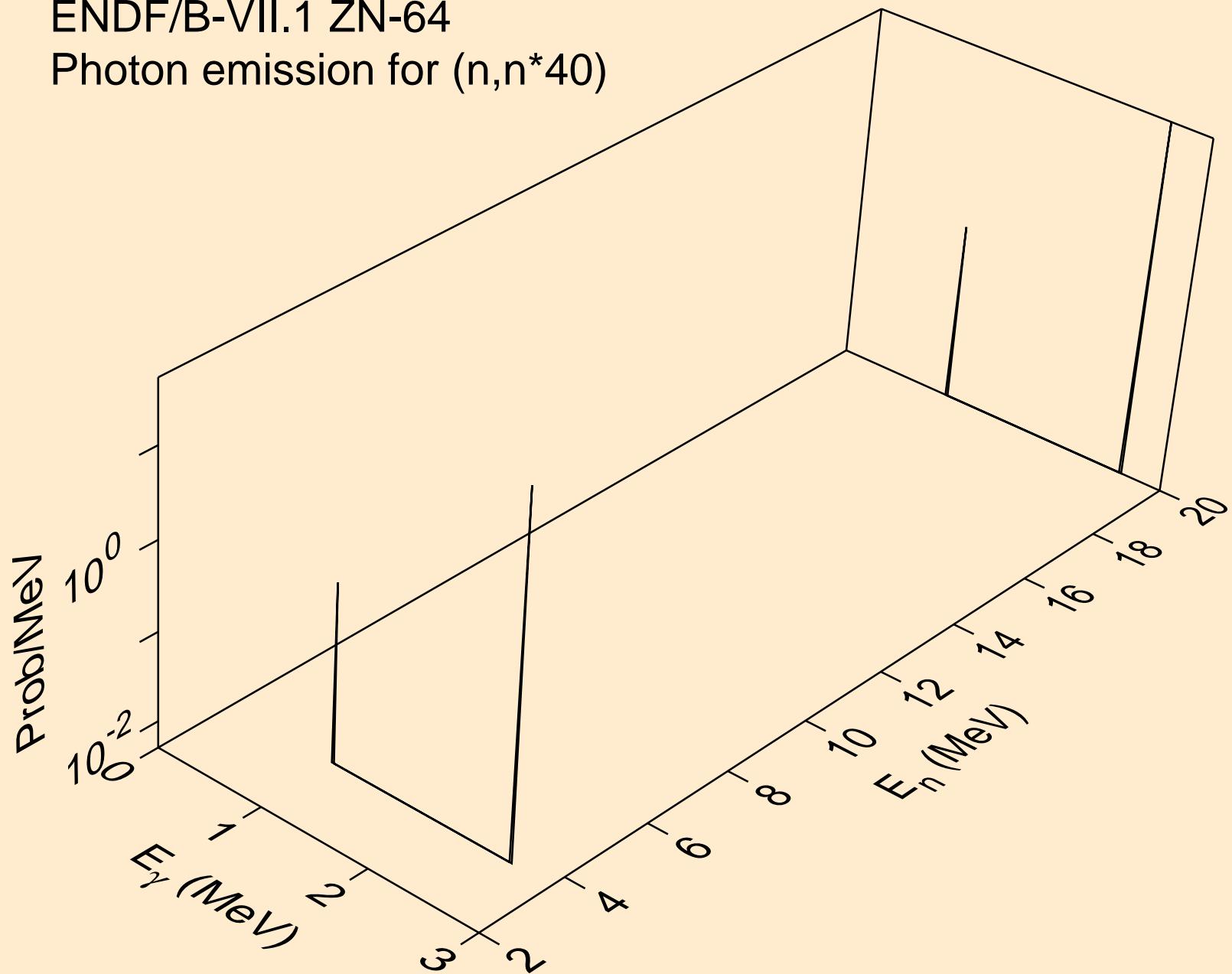
ENDF/B-VII.1 ZN-64  
Photon emission for ( $n, n^*$ )<sup>38</sup>



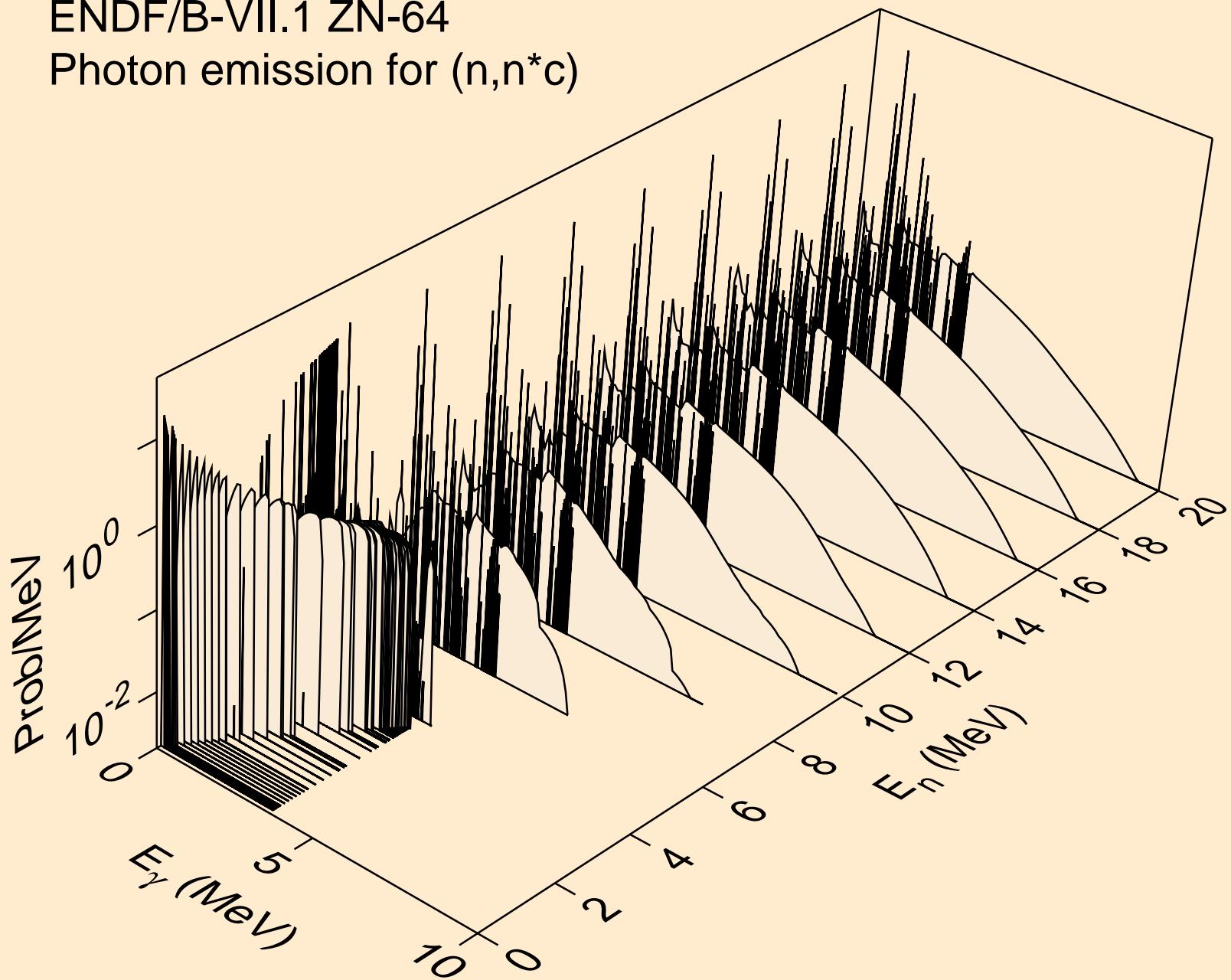
ENDF/B-VII.1 ZN-64  
Photon emission for ( $n, n^* 39$ )



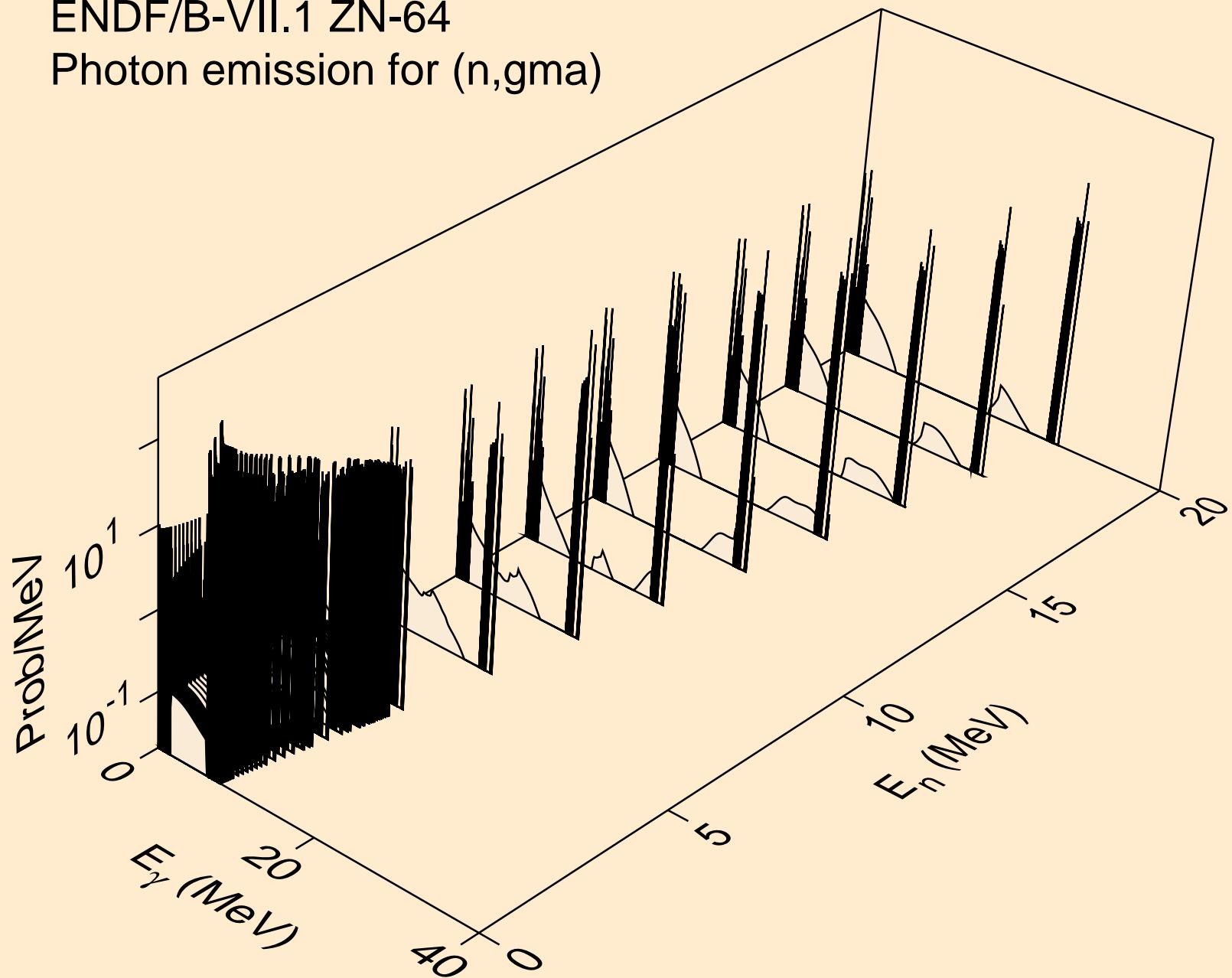
ENDF/B-VII.1 ZN-64  
Photon emission for ( $n, n^* 40$ )



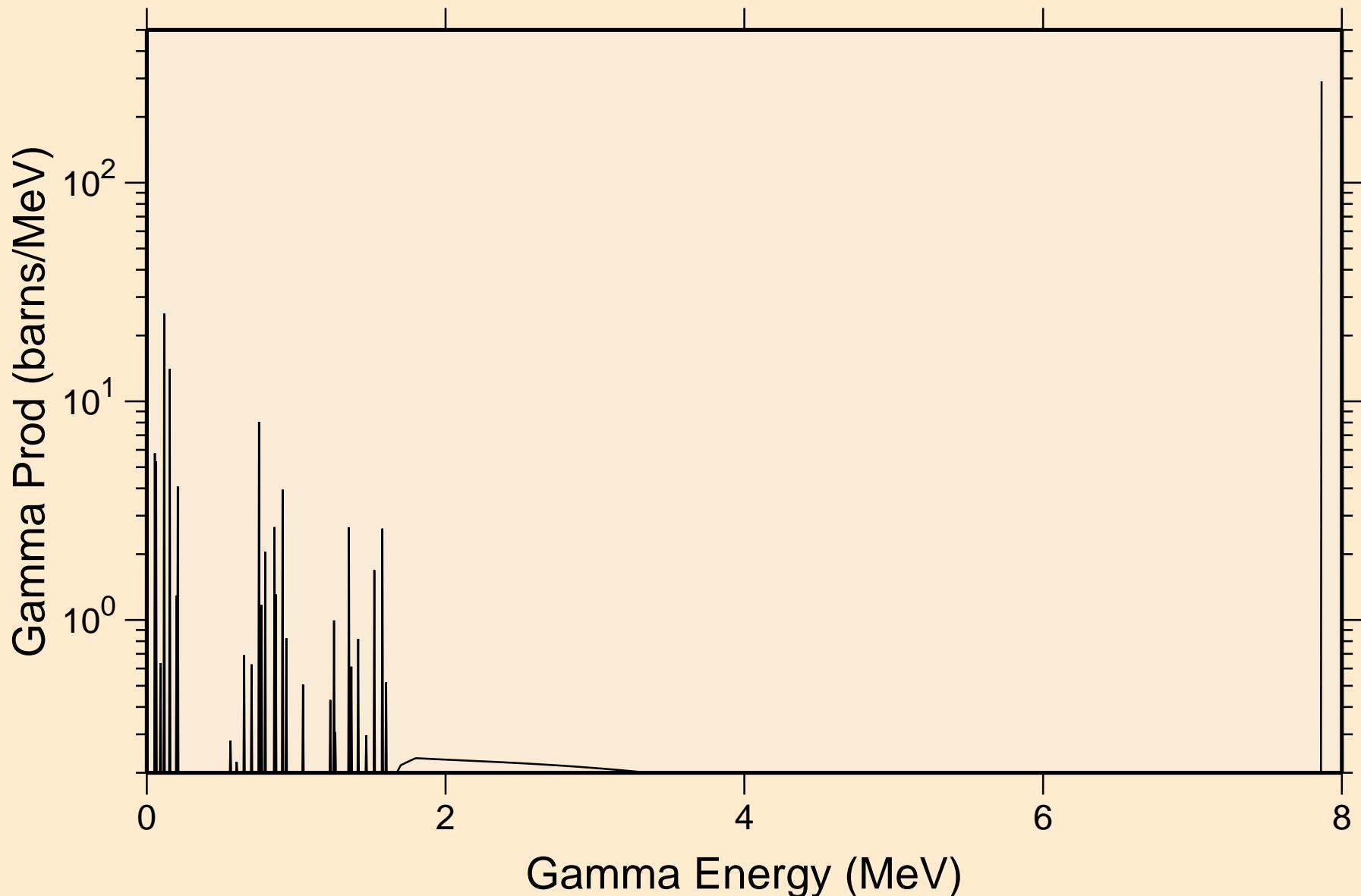
ENDF/B-VII.1 ZN-64  
Photon emission for ( $n, n^* c$ )



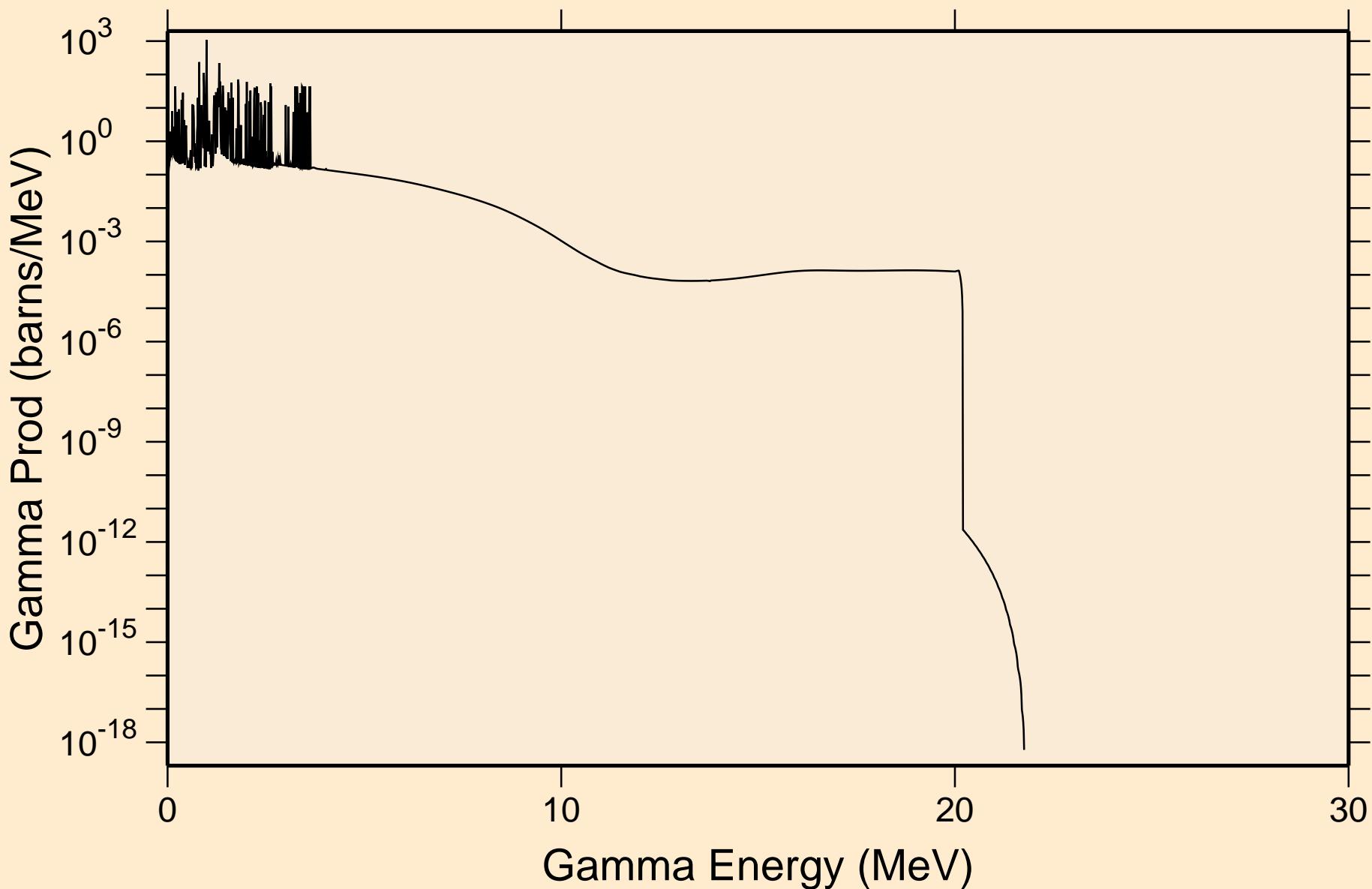
ENDF/B-VII.1 ZN-64  
Photon emission for (n,gma)



ENDF/B-VII.1 ZN-64  
thermal capture photon spectrum

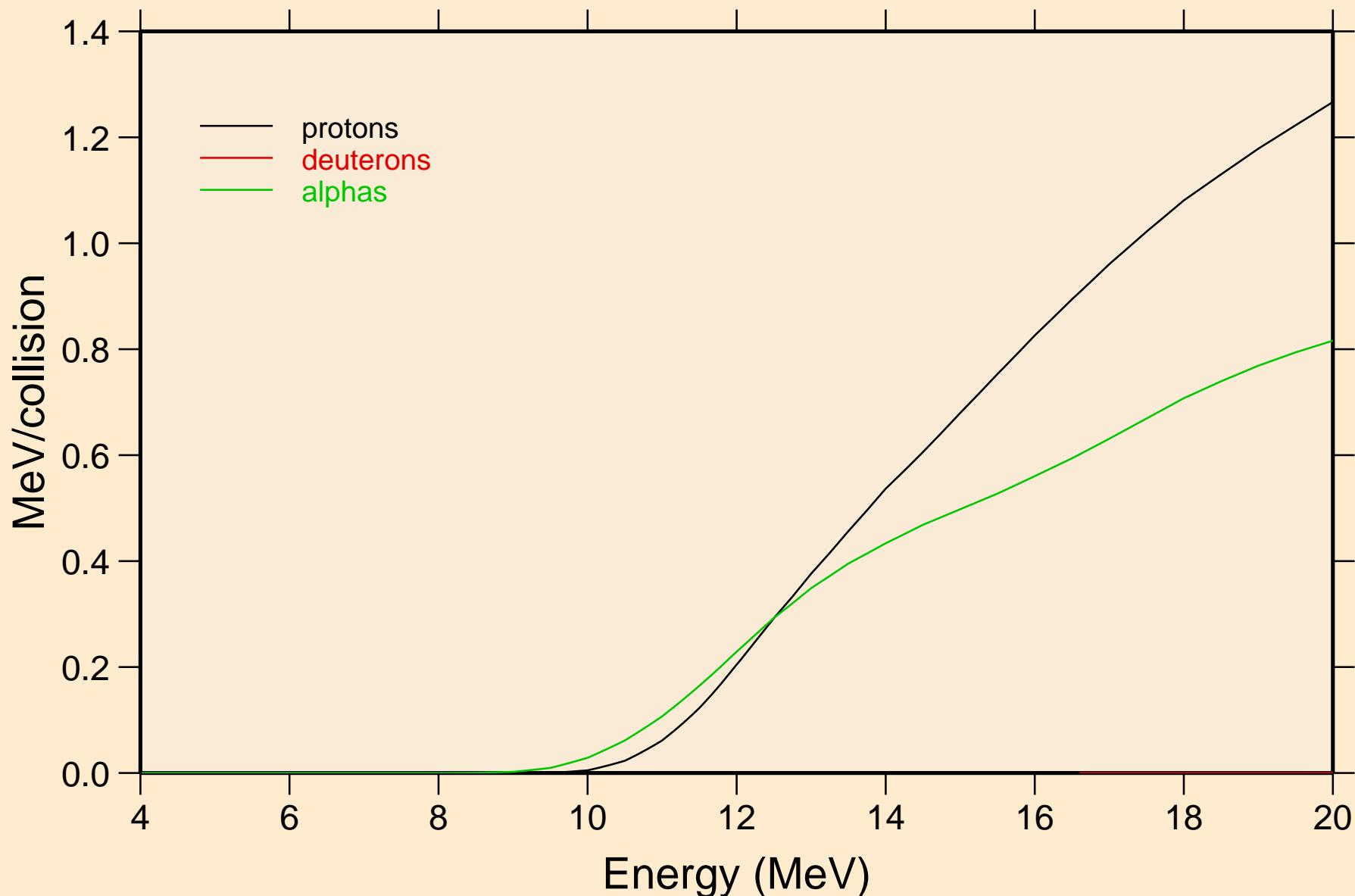


ENDF/B-VII.1 ZN-64  
14 MeV photon spectrum

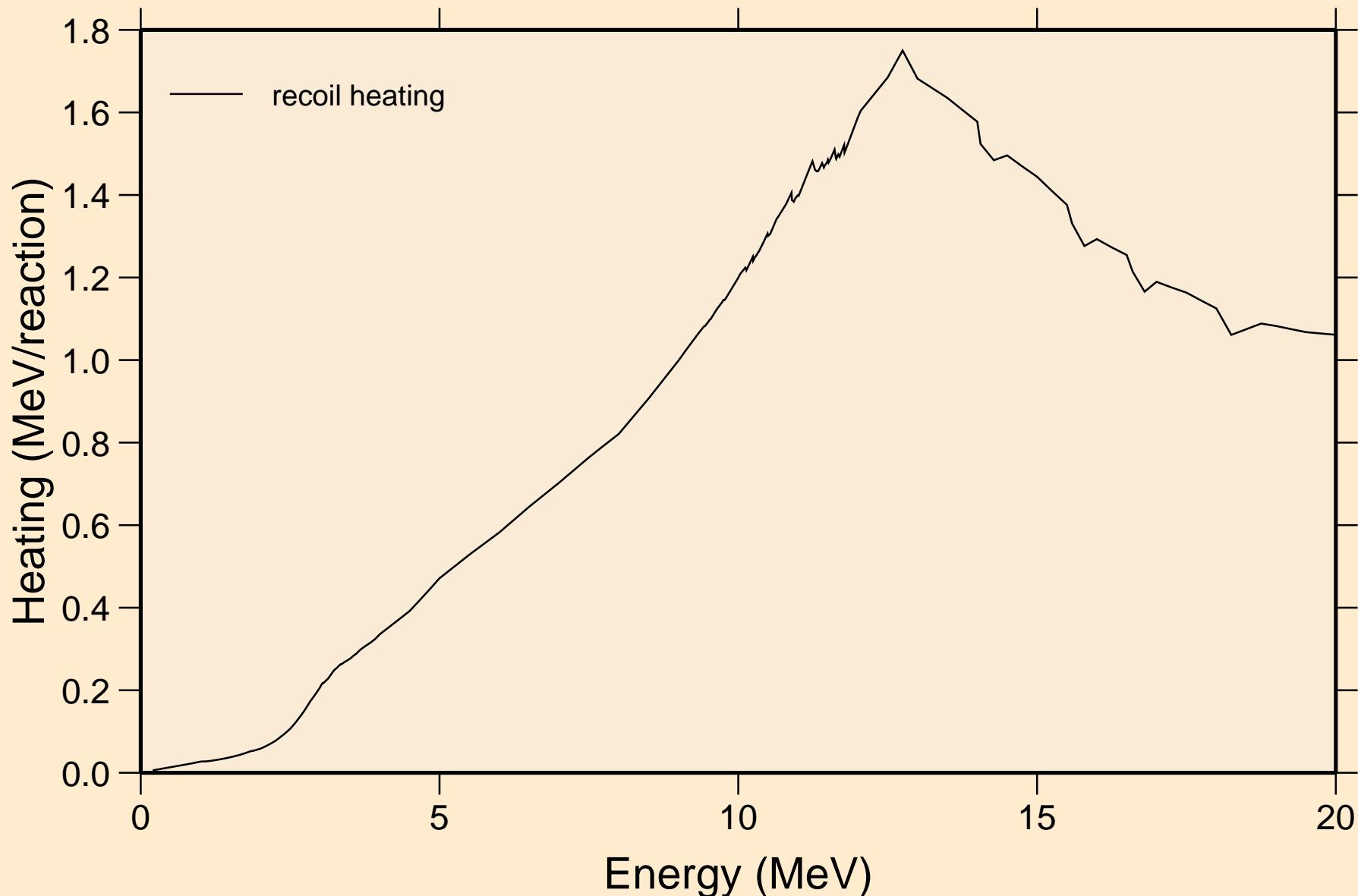


# ENDF/B-VII.1 ZN-64

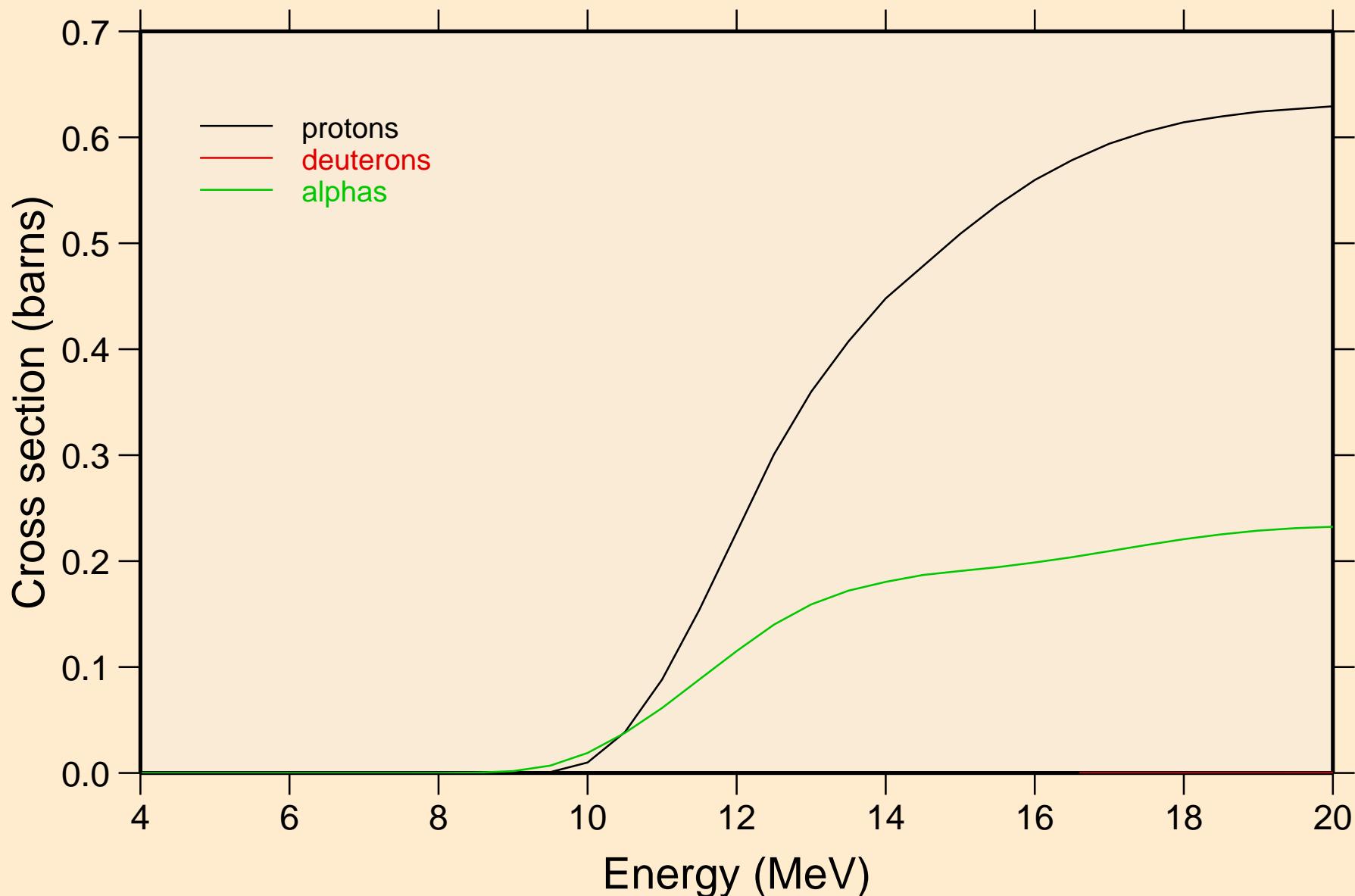
## Particle heating contributions



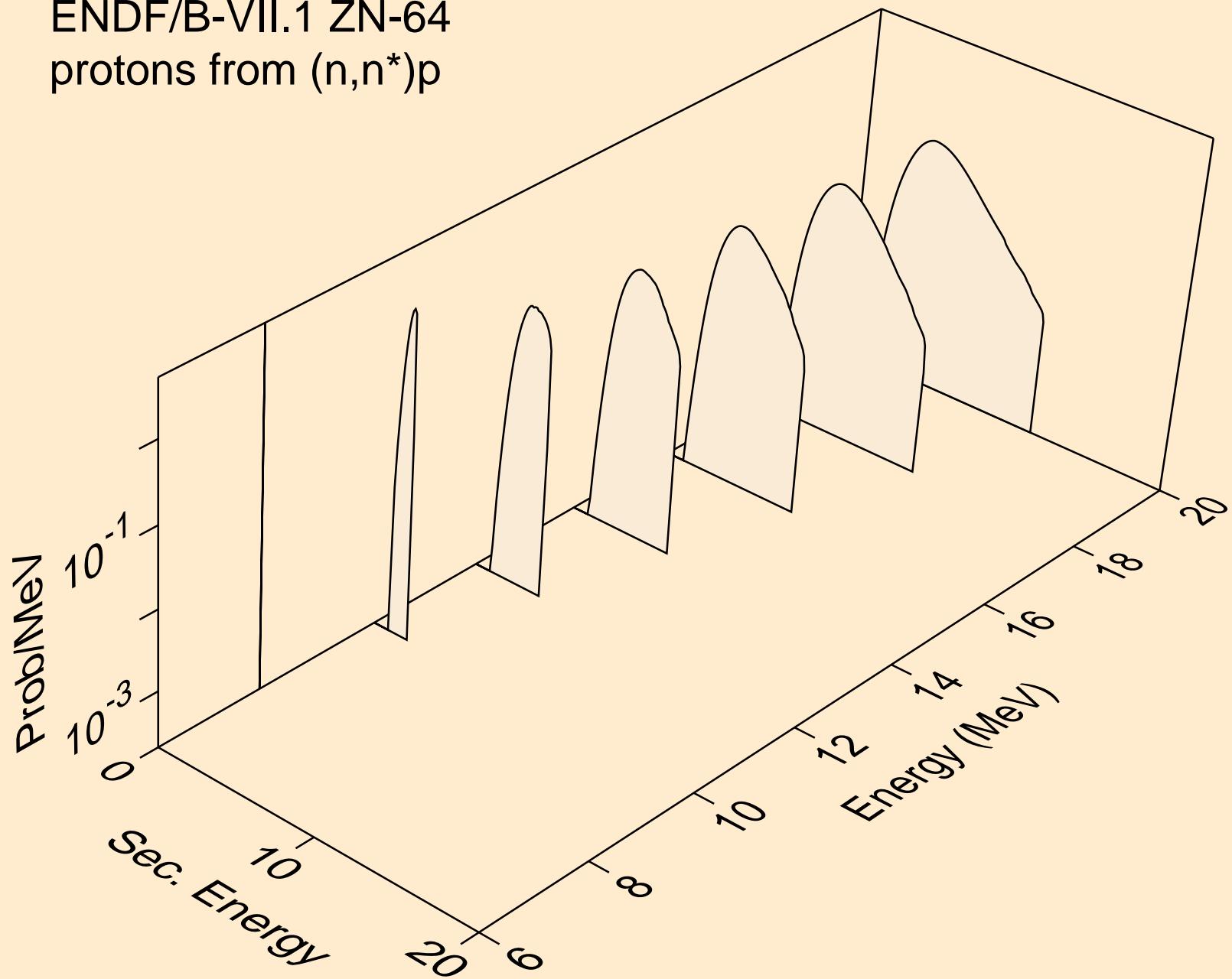
ENDF/B-VII.1 ZN-64  
Recoil Heating



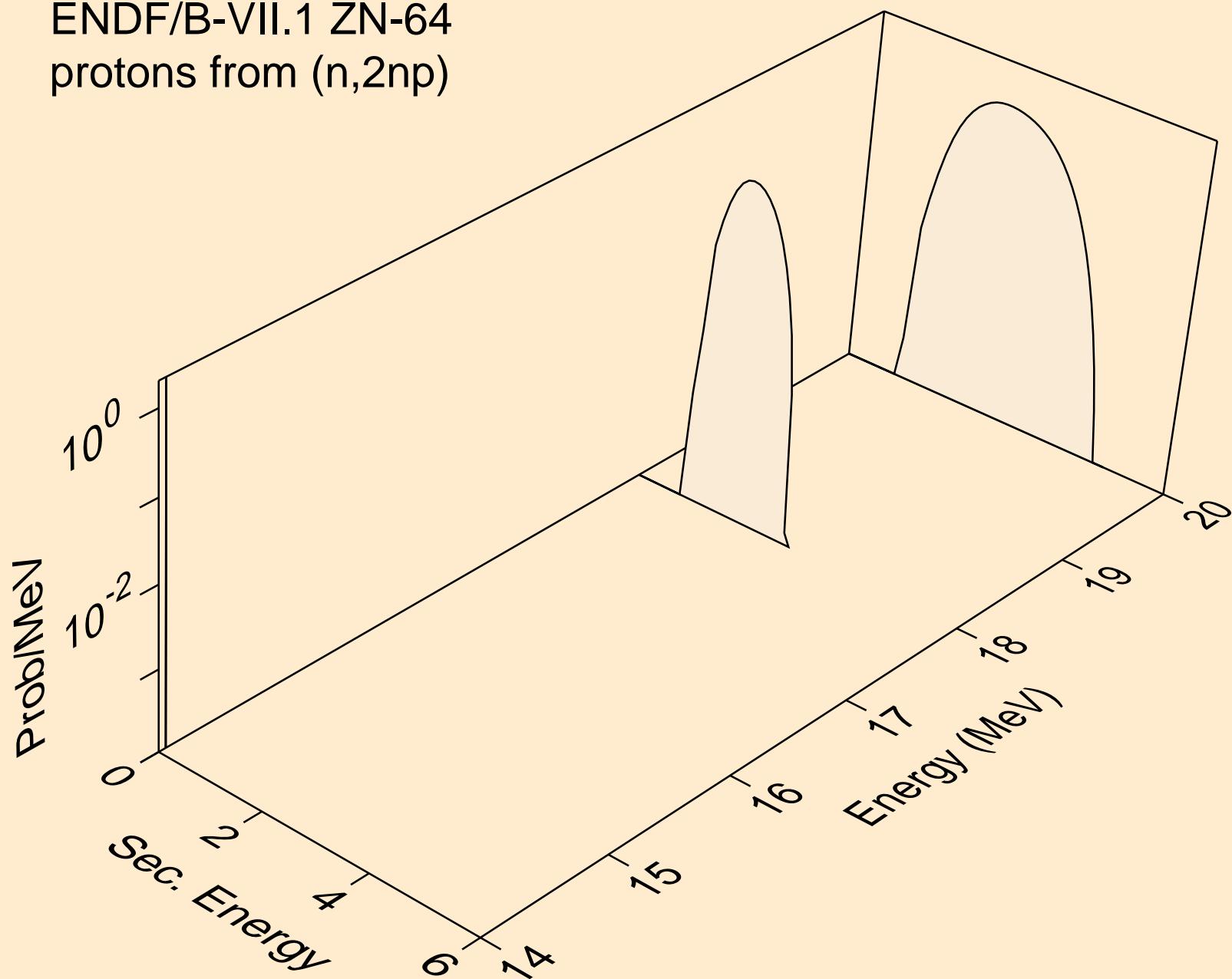
ENDF/B-VII.1 ZN-64  
Particle production cross sections



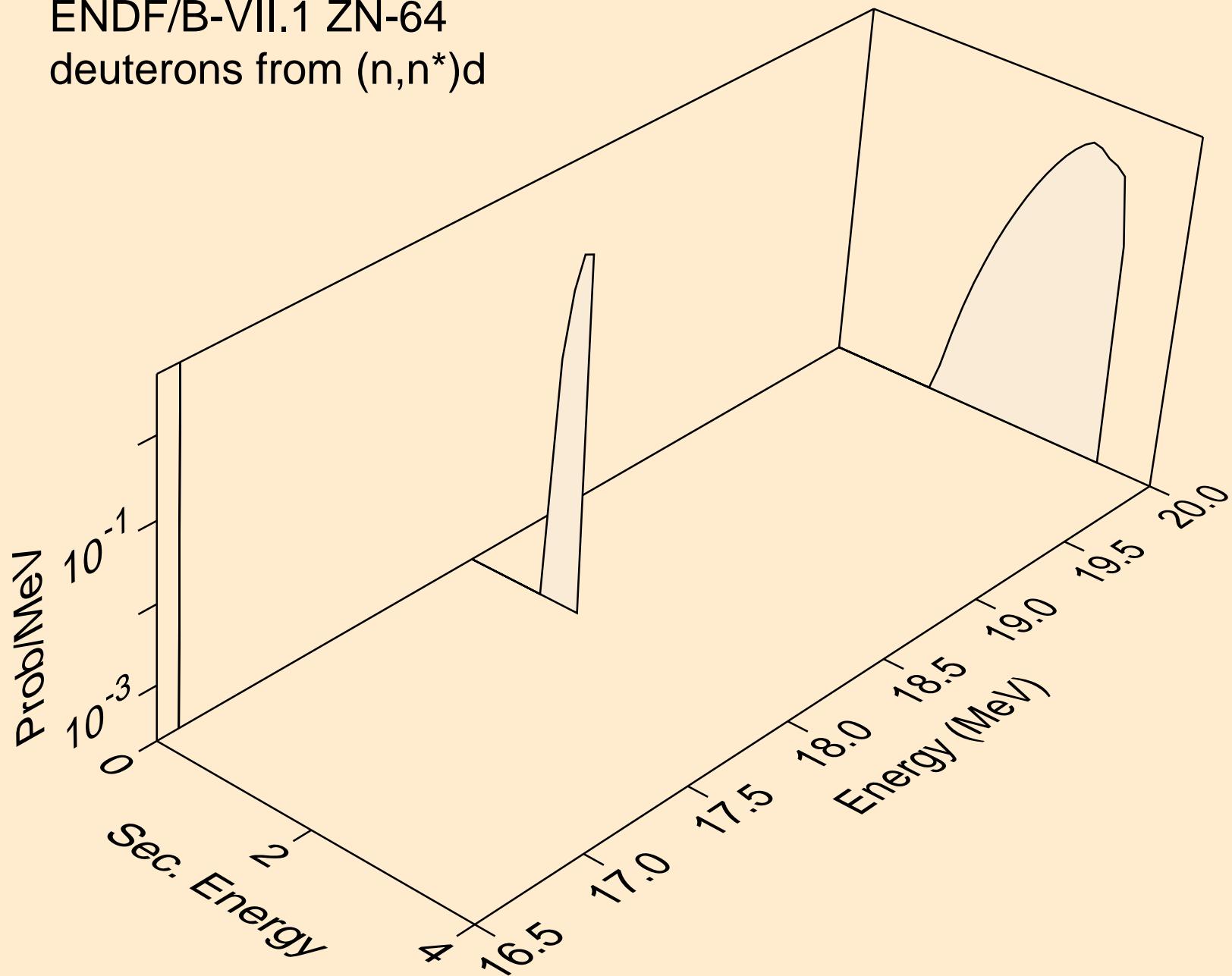
ENDF/B-VII.1 ZN-64  
protons from  $(n,n^*)p$



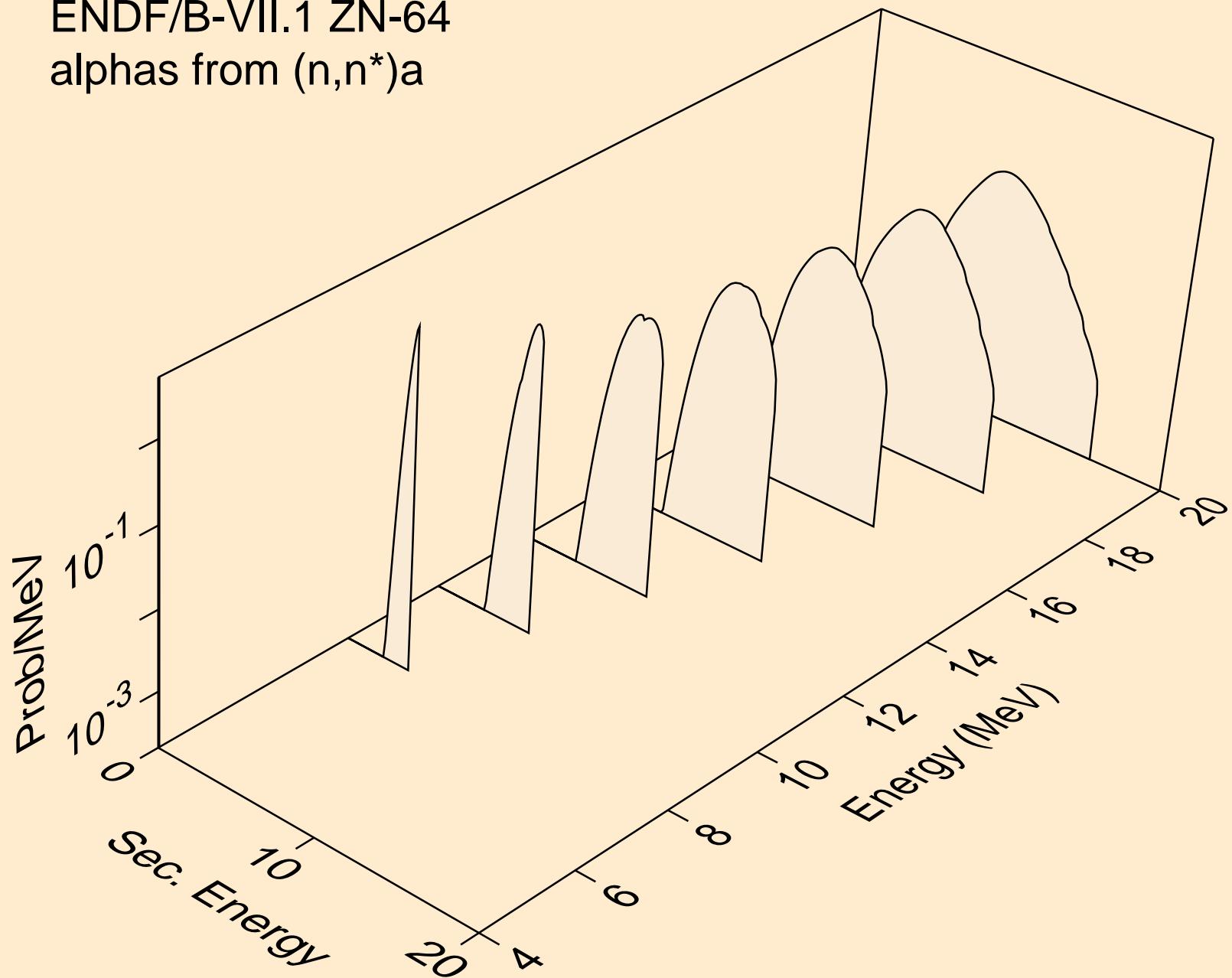
ENDF/B-VII.1 ZN-64  
protons from ( $n,2np$ )



ENDF/B-VII.1 ZN-64  
deuterons from  $(n,n^*)d$



ENDF/B-VII.1 ZN-64  
alphas from  $(n,n^*)a$



ENDF/B-VII.1 ZN-64  
alphas from  $(n,2n)a$

