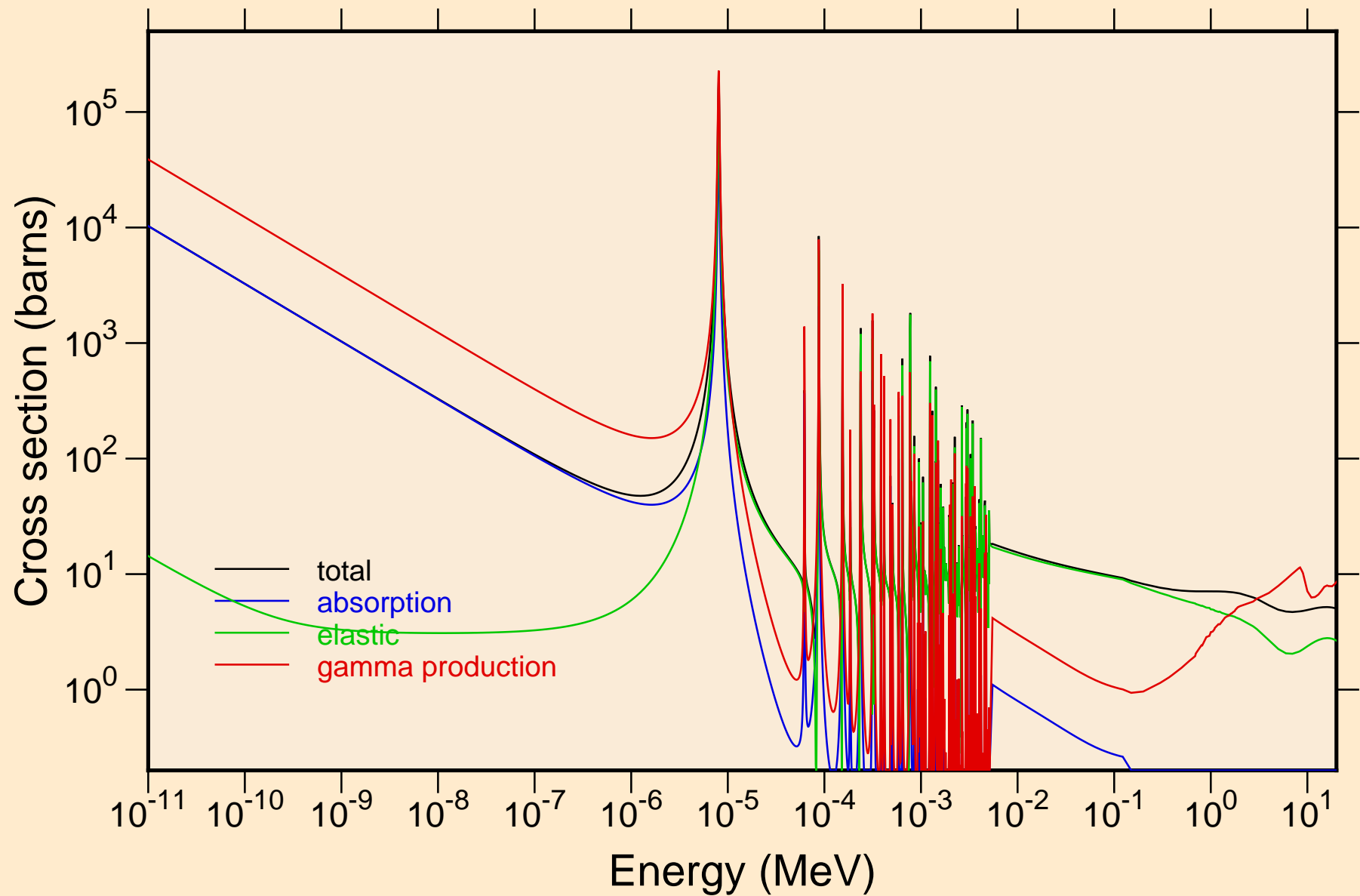
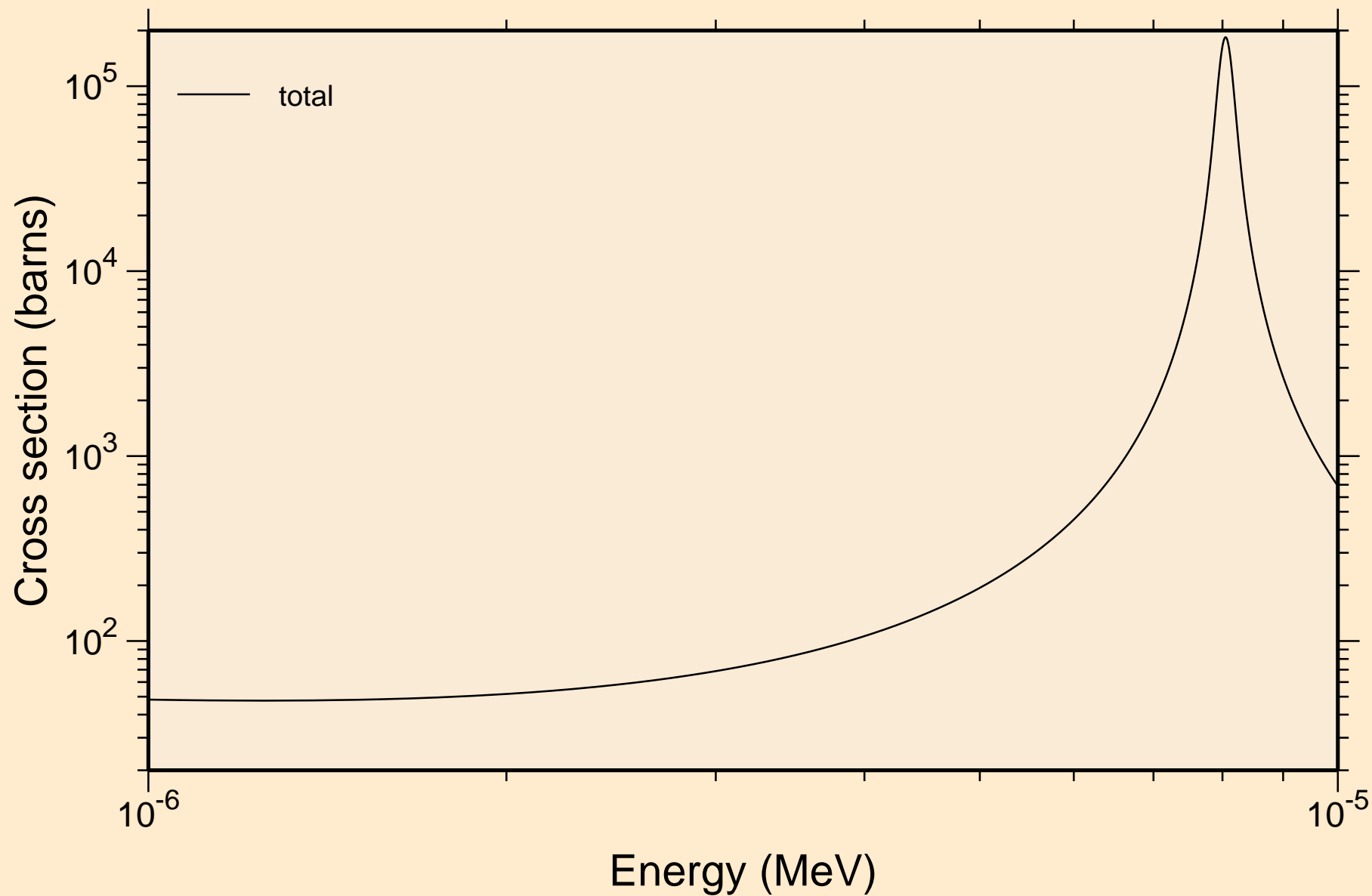


# ENDF/B-VII SM-152

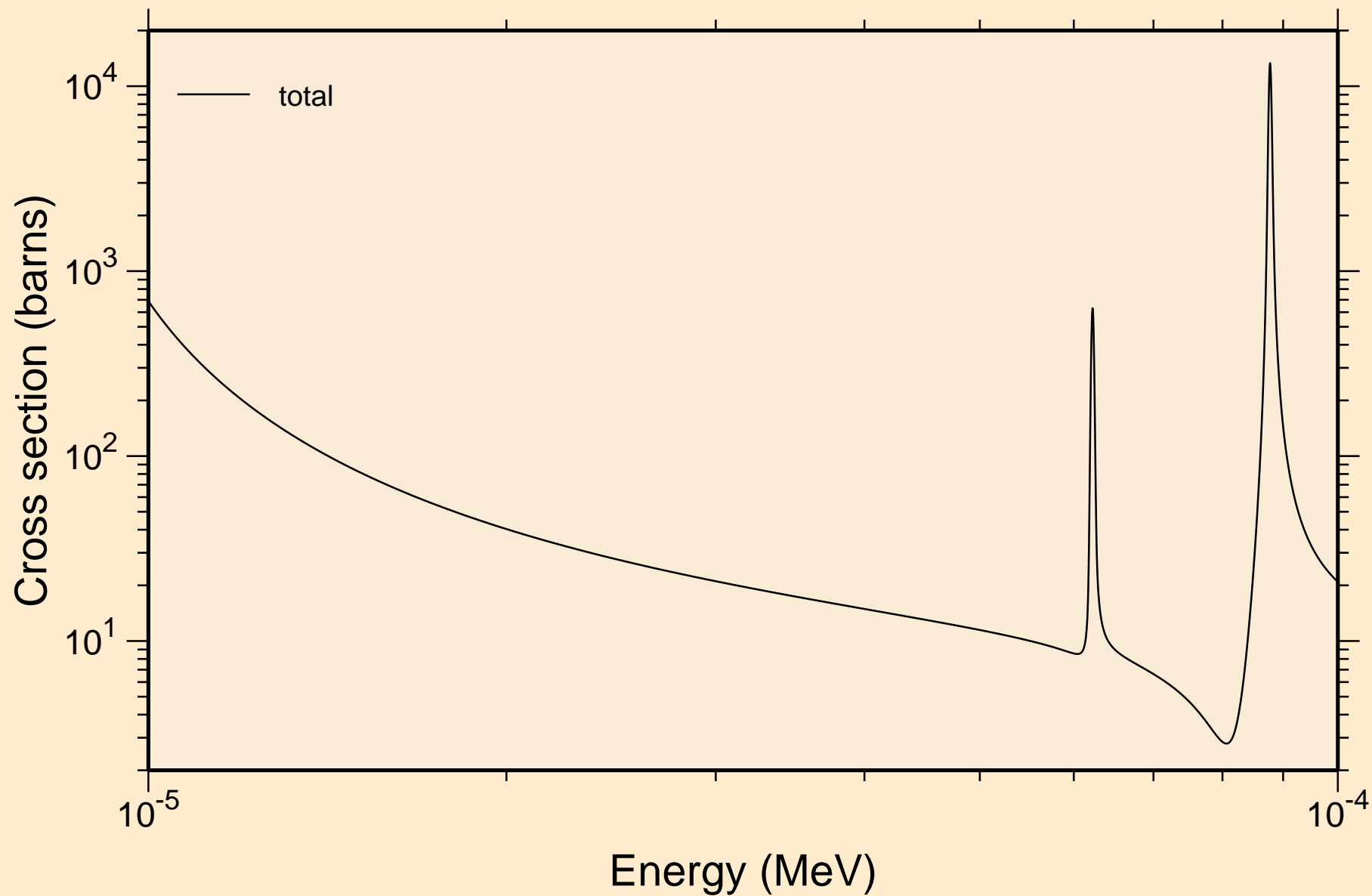
## Principal cross sections



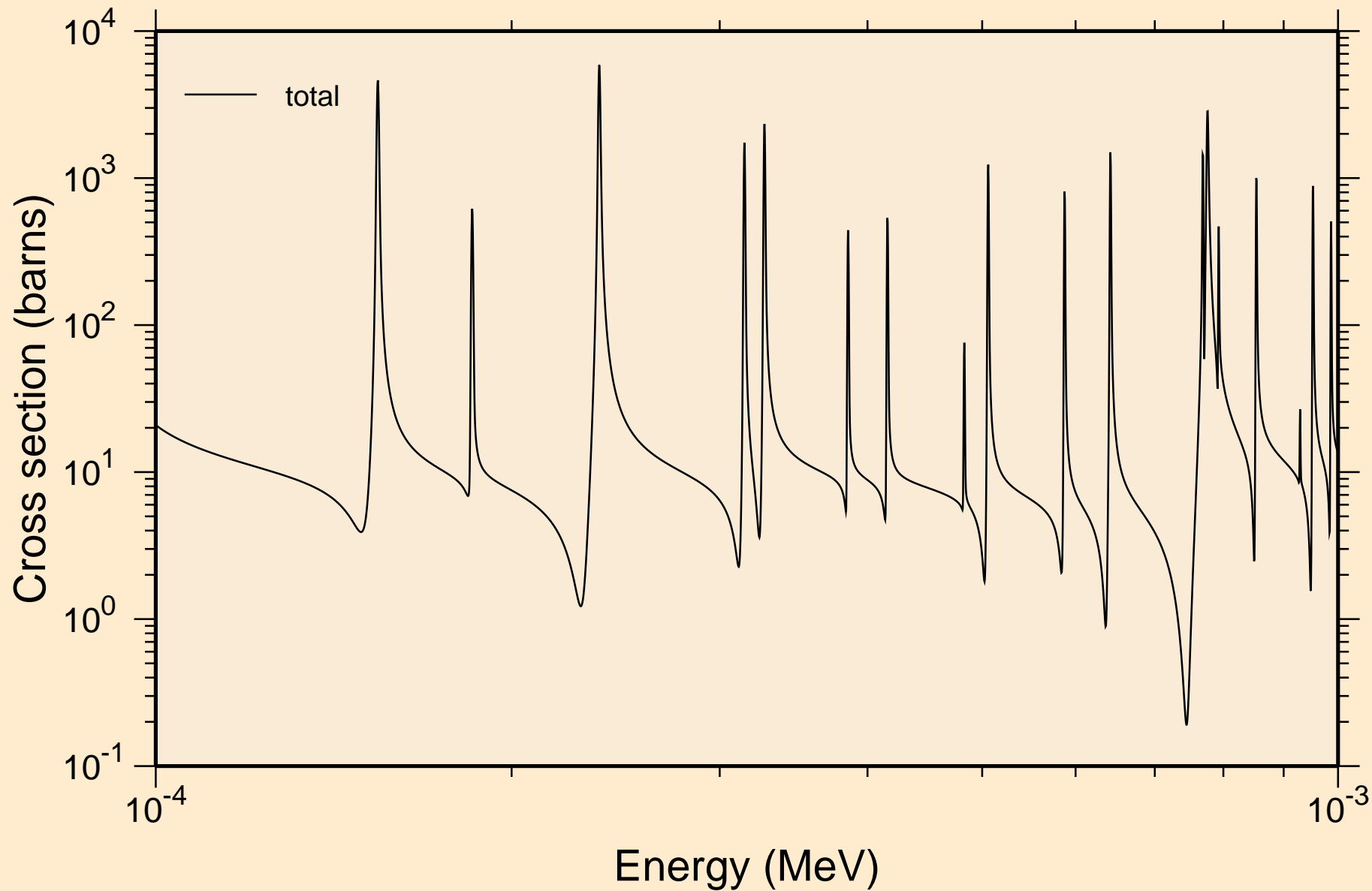
ENDF/B-VII SM-152  
resonance total cross section



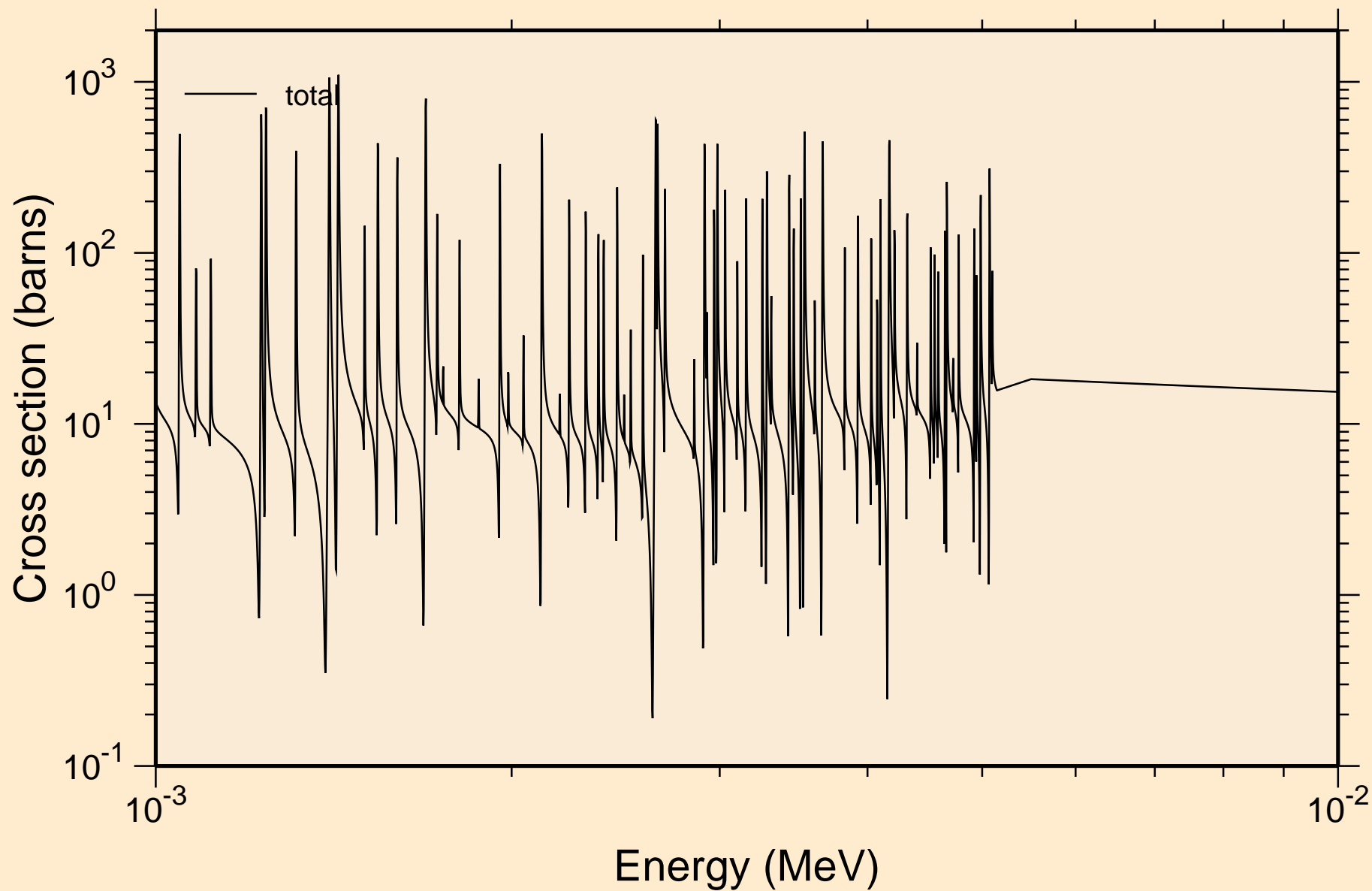
ENDF/B-VII SM-152  
resonance total cross section



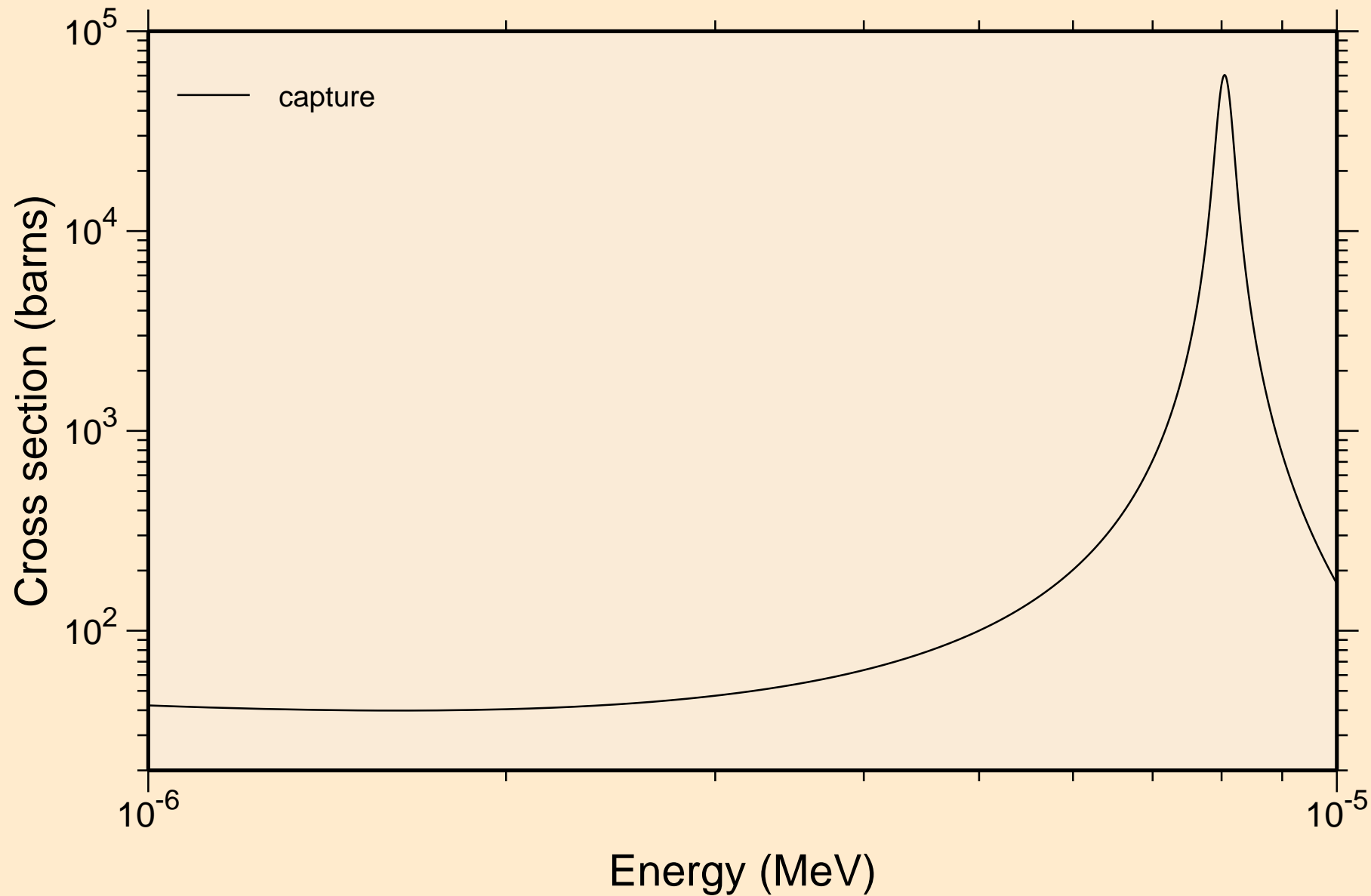
ENDF/B-VII SM-152  
resonance total cross section



ENDF/B-VII SM-152  
resonance total cross section

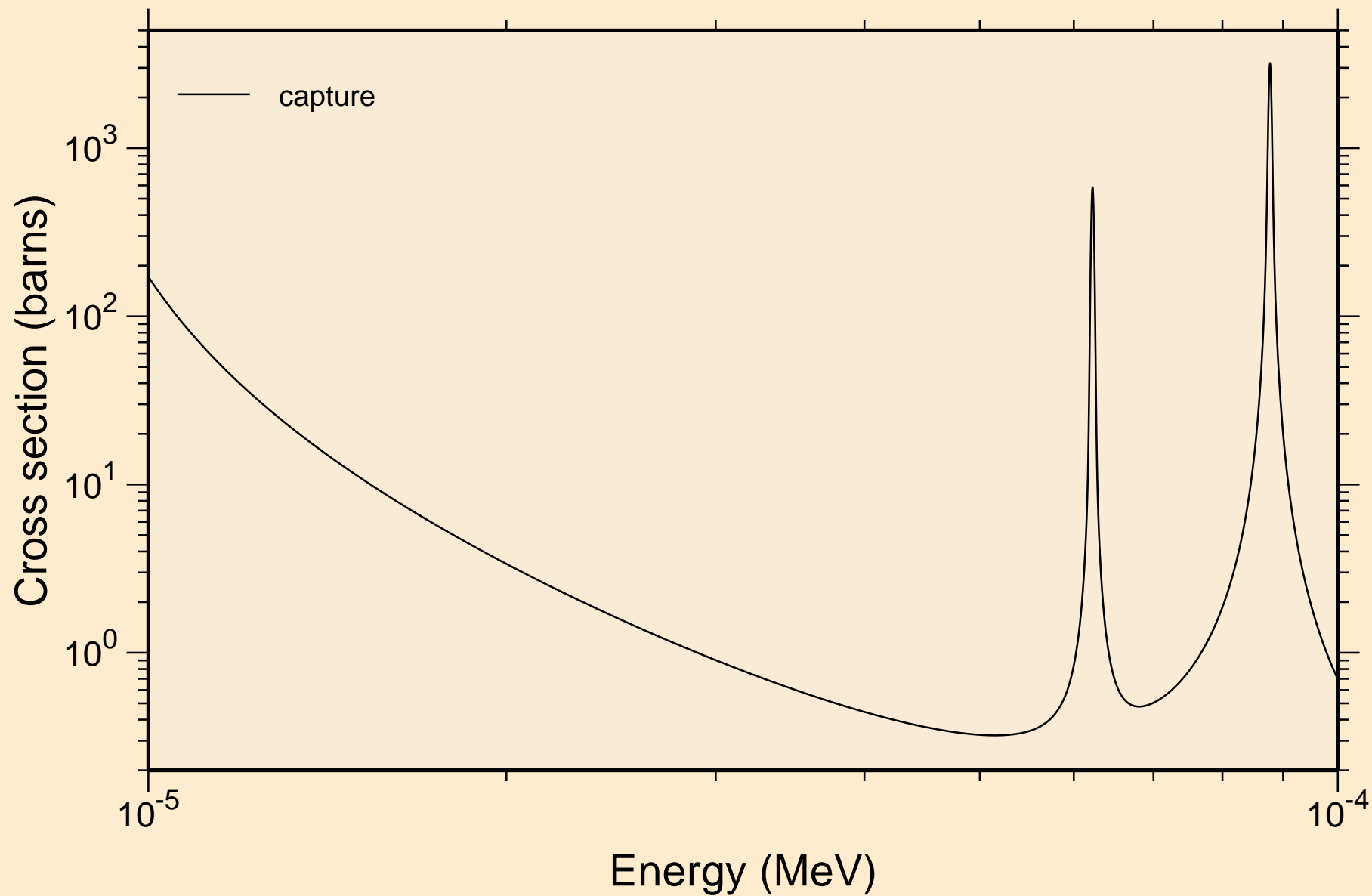


ENDF/B-VII SM-152  
resonance absorption cross sections



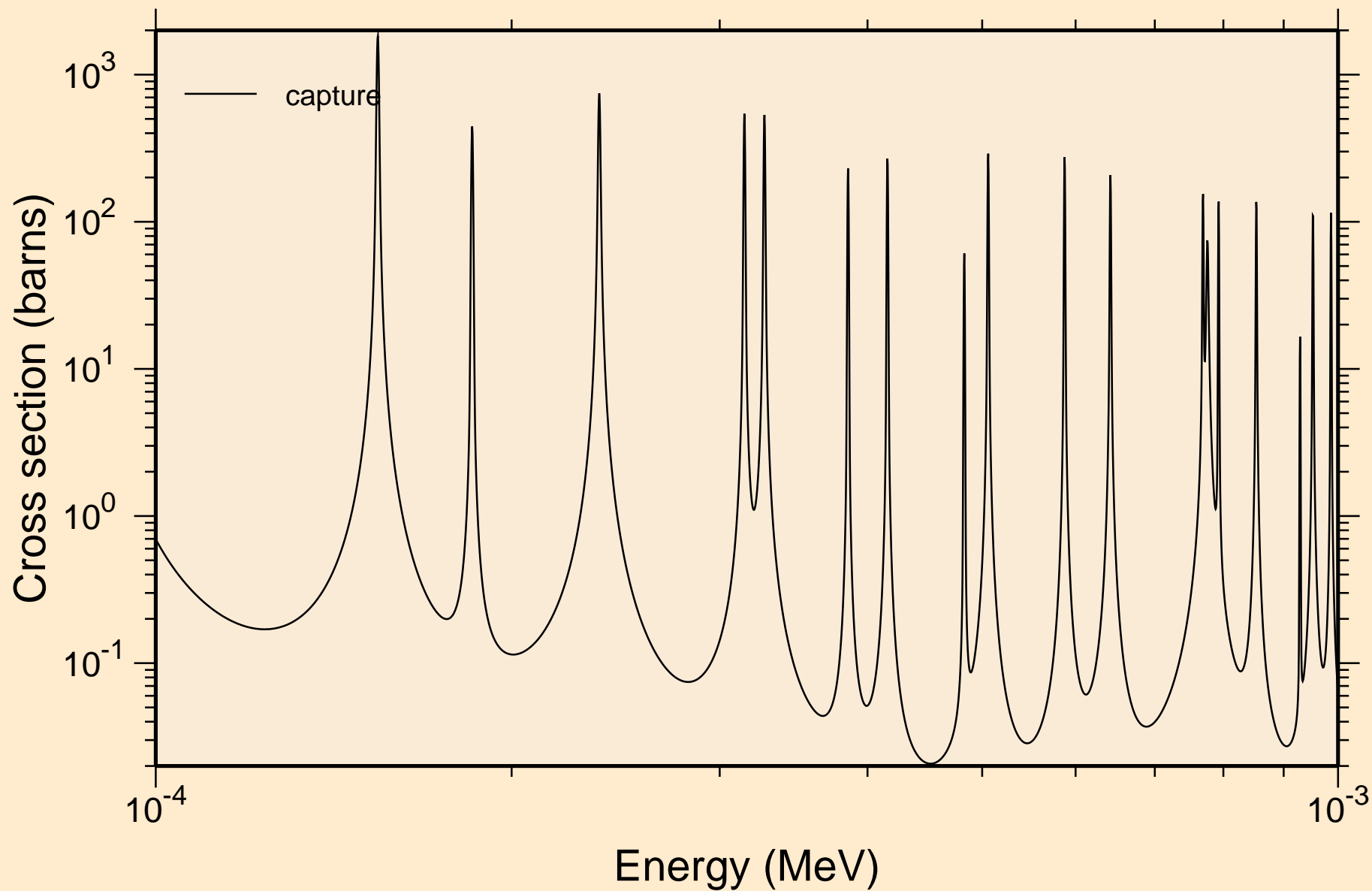
# ENDF/B-VII SM-152

## resonance absorption cross sections



# ENDF/B-VII SM-152

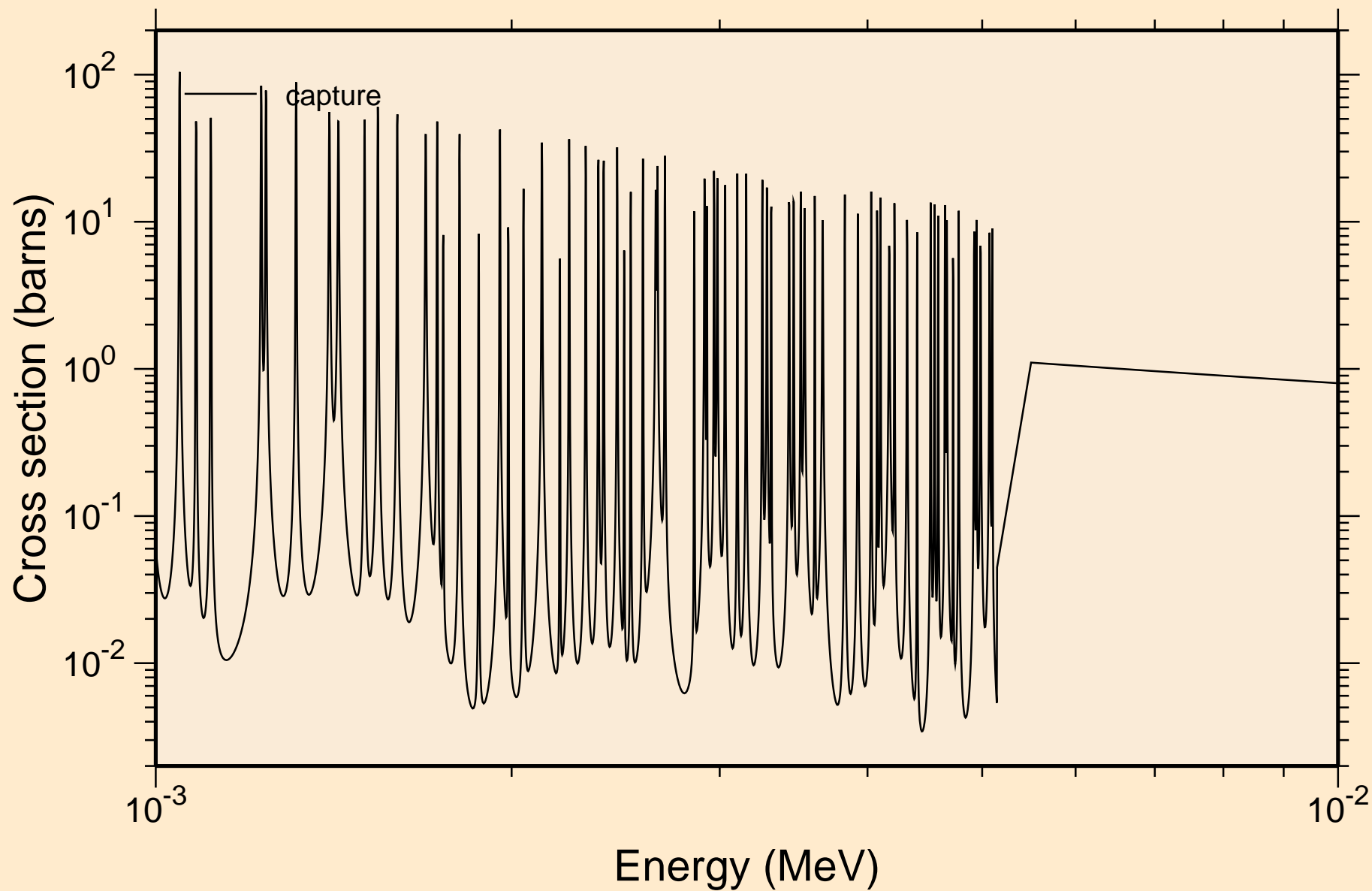
## resonance absorption cross sections



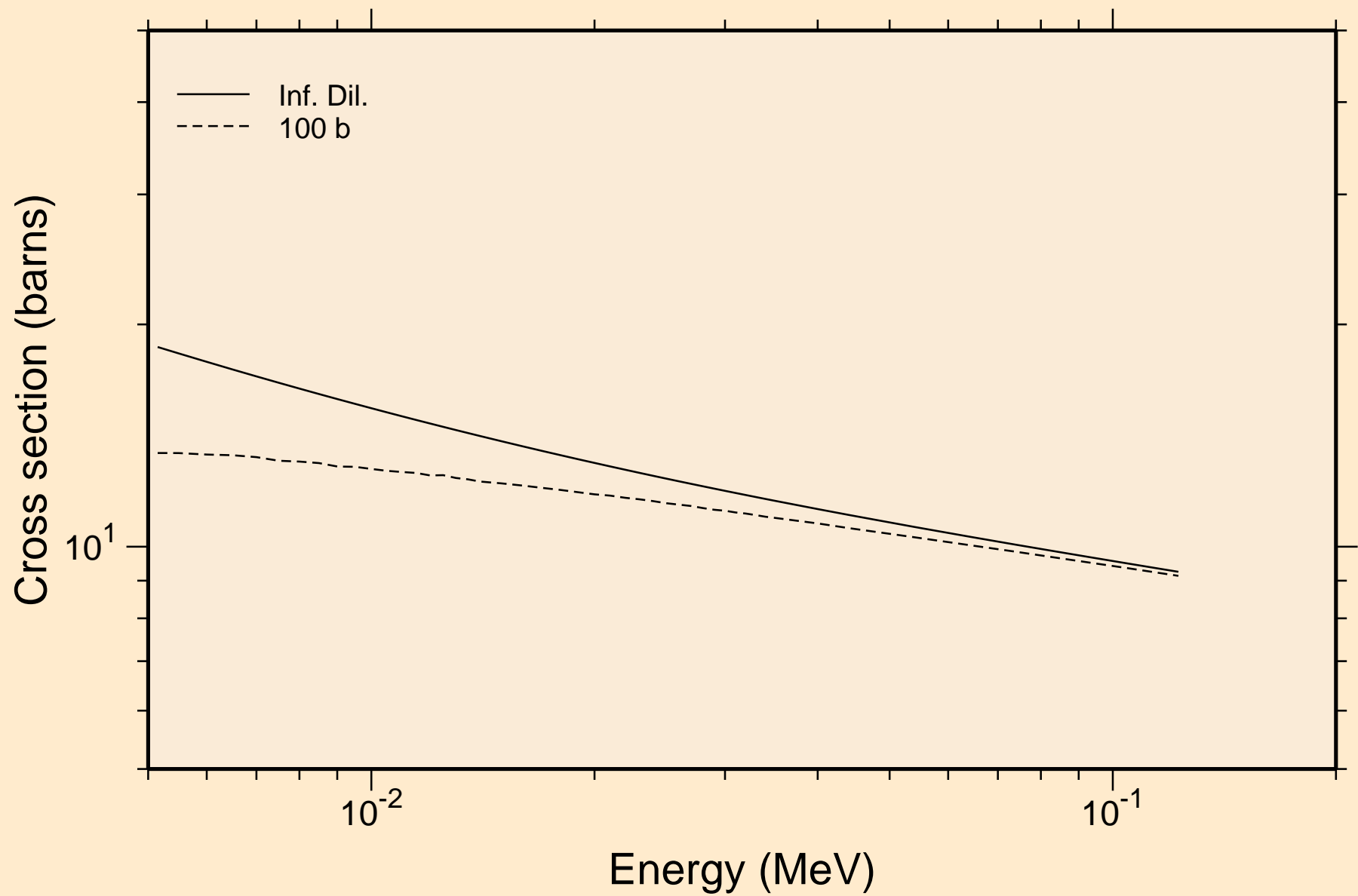


ENDF/B-VII SM-152

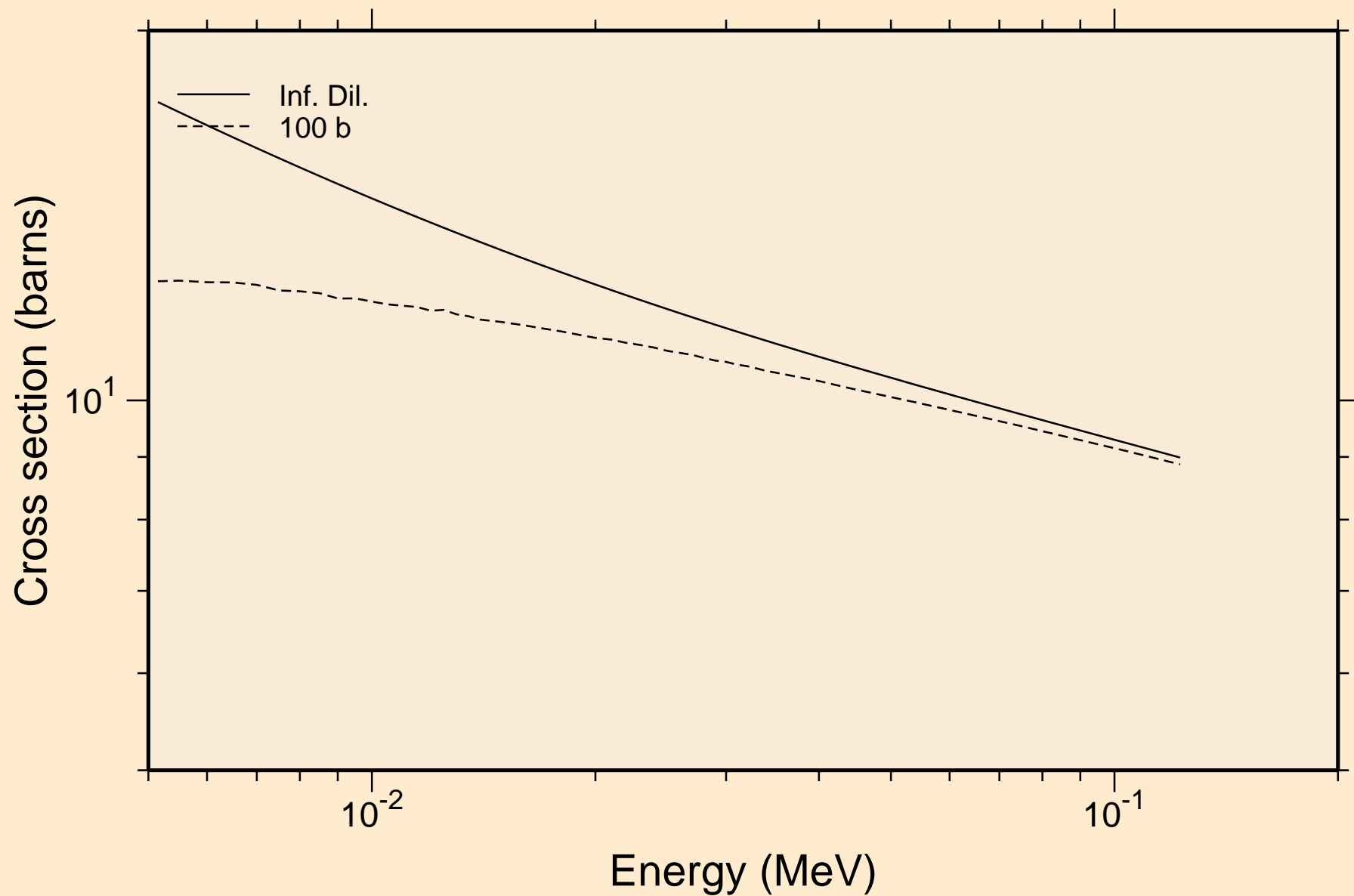
resonance absorption cross sections



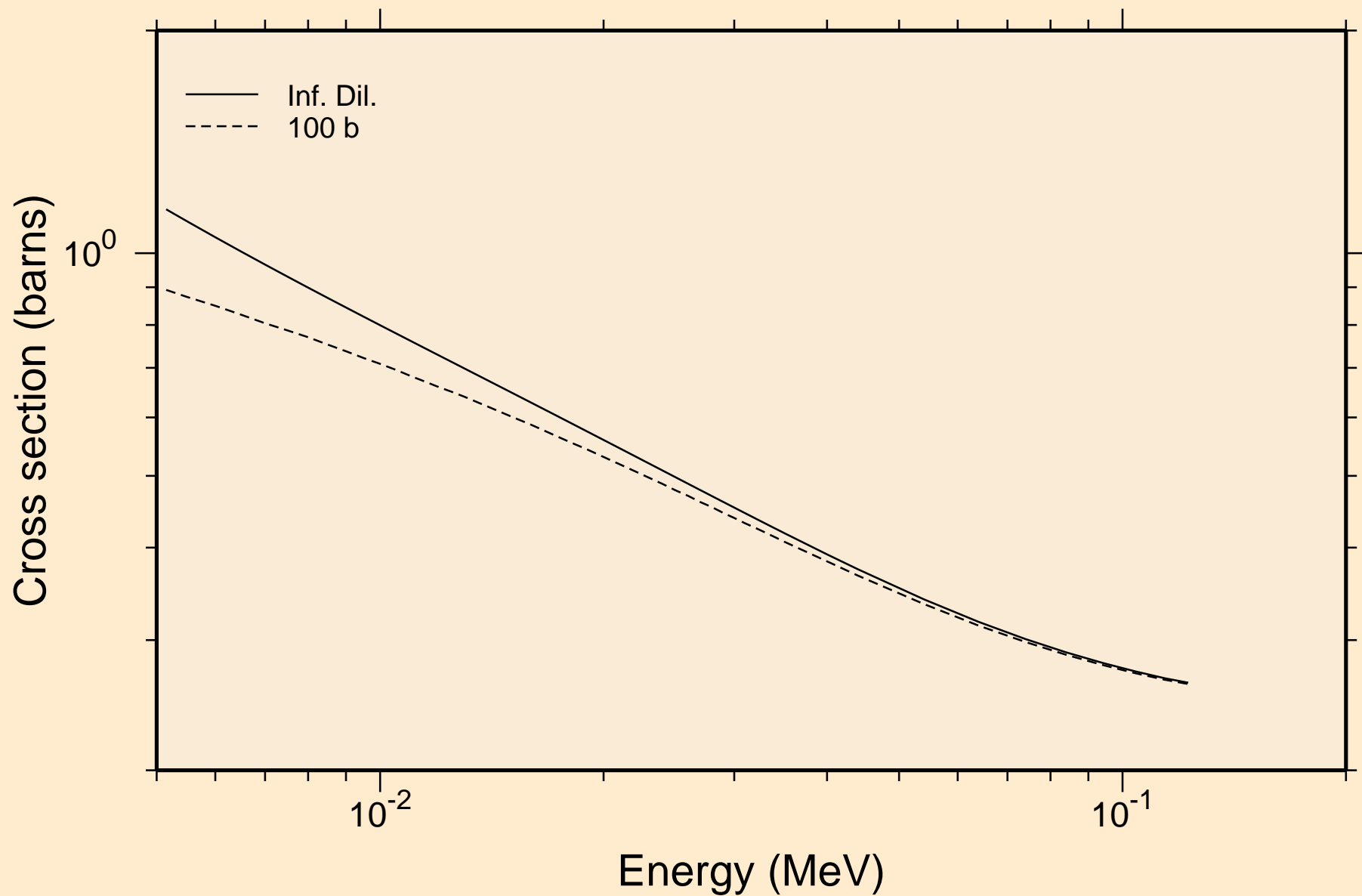
ENDF/B-VII SM-152  
UR total cross section



ENDF/B-VII SM-152  
UR elastic cross section

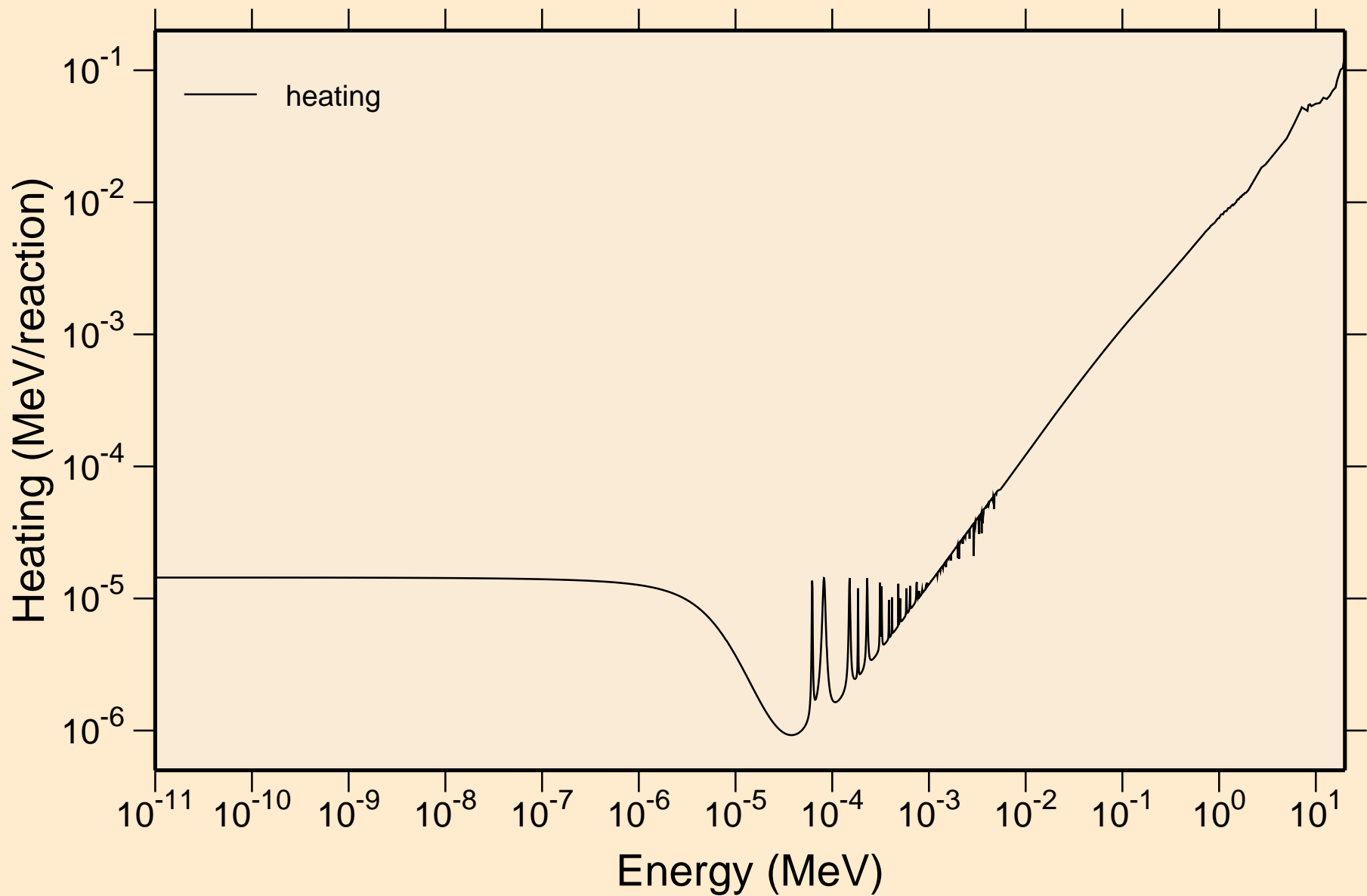


ENDF/B-VII SM-152  
UR capture cross section



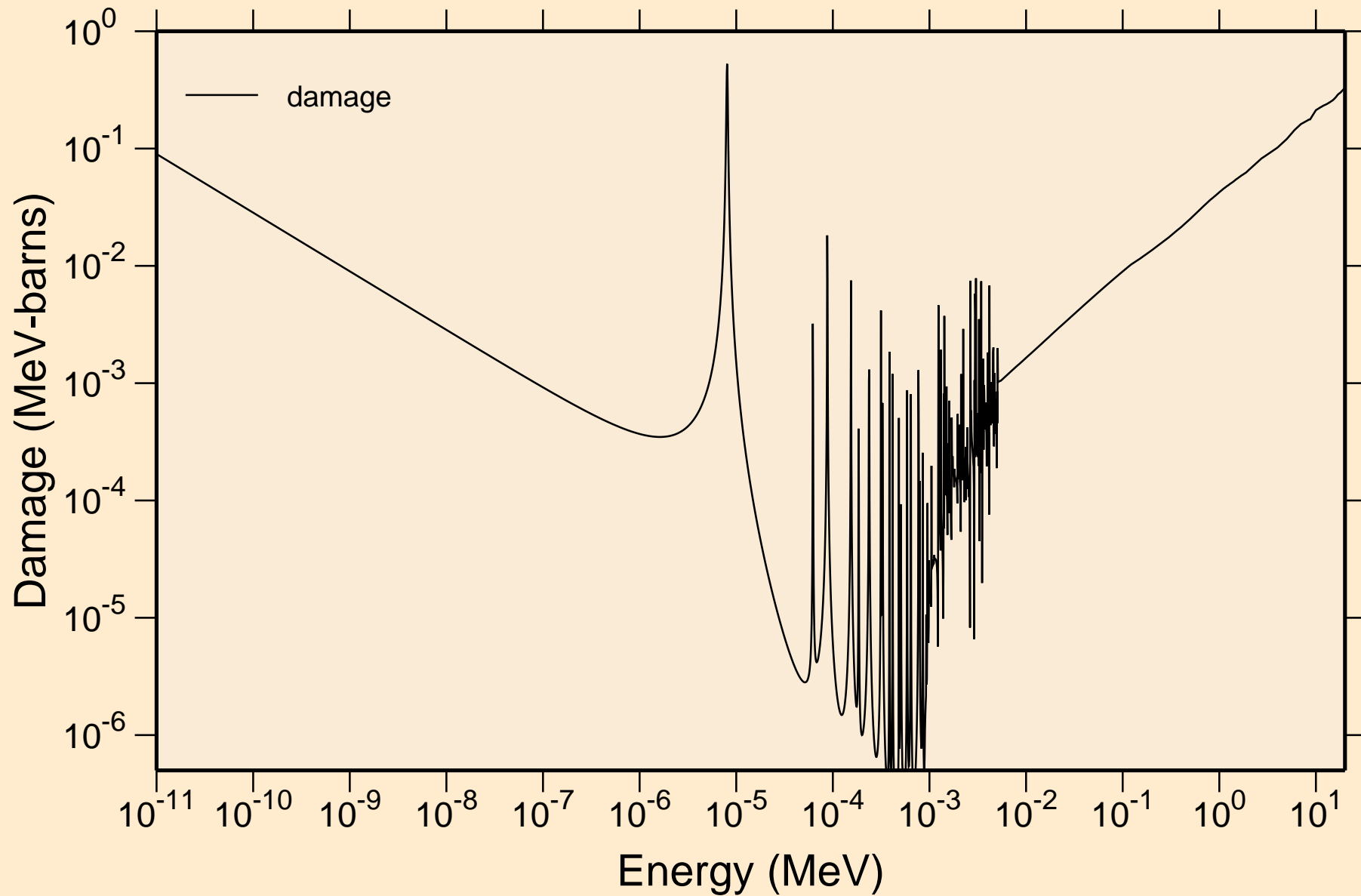
# ENDF/B-VII SM-152

## Heating



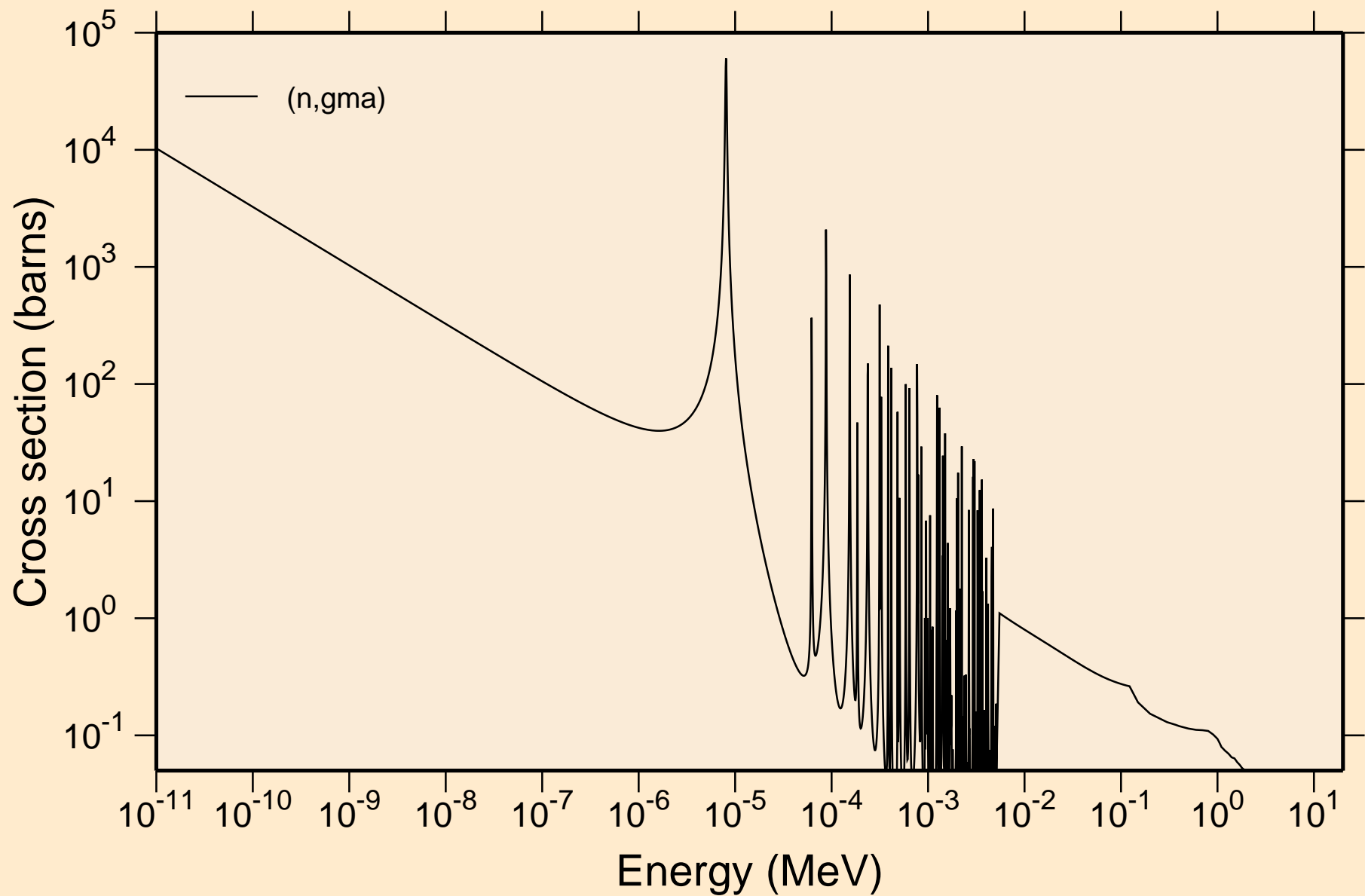
# ENDF/B-VII SM-152

## Damage



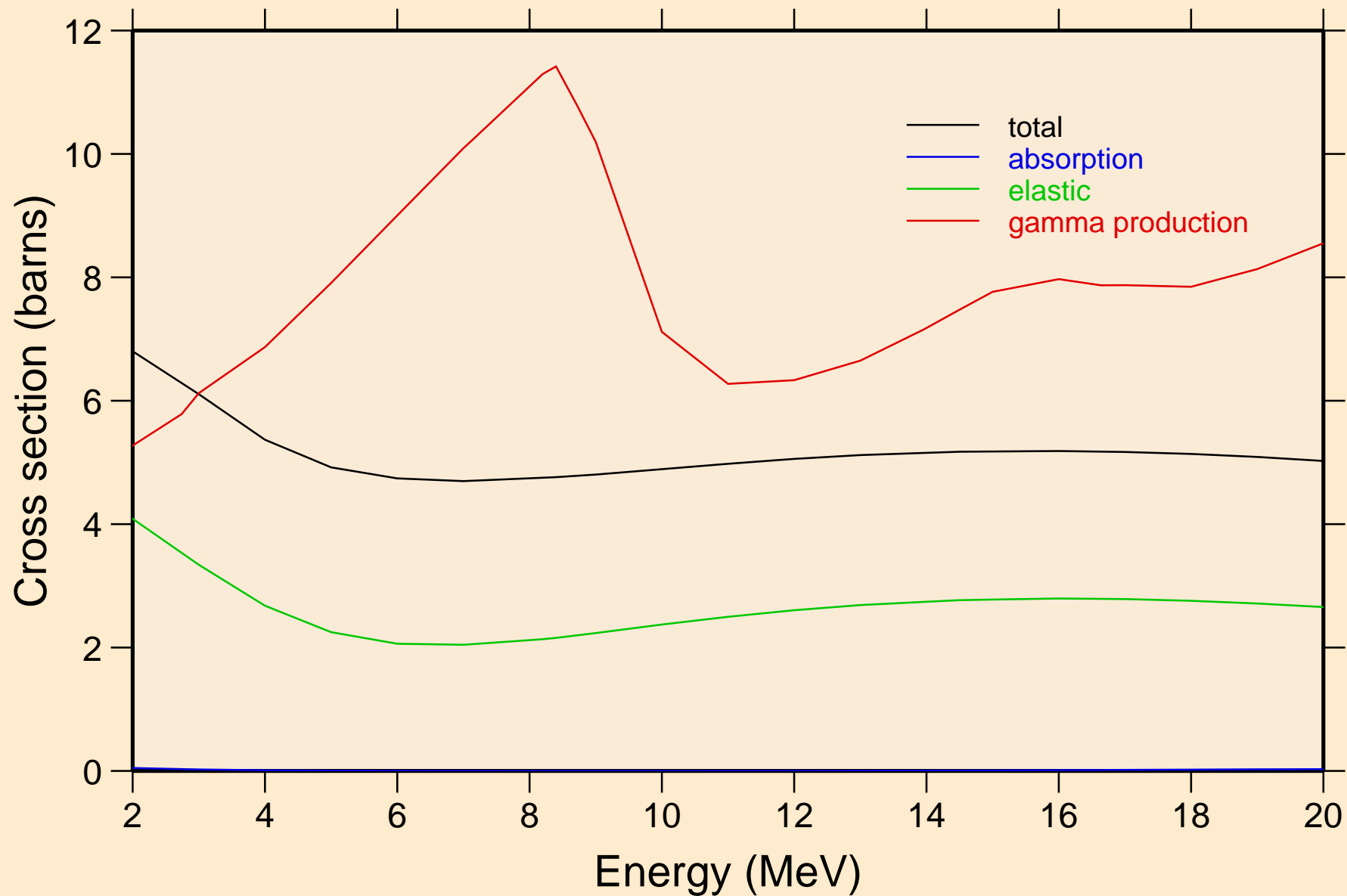
# ENDF/B-VII SM-152

## Non-threshold reactions



# ENDF/B-VII SM-152

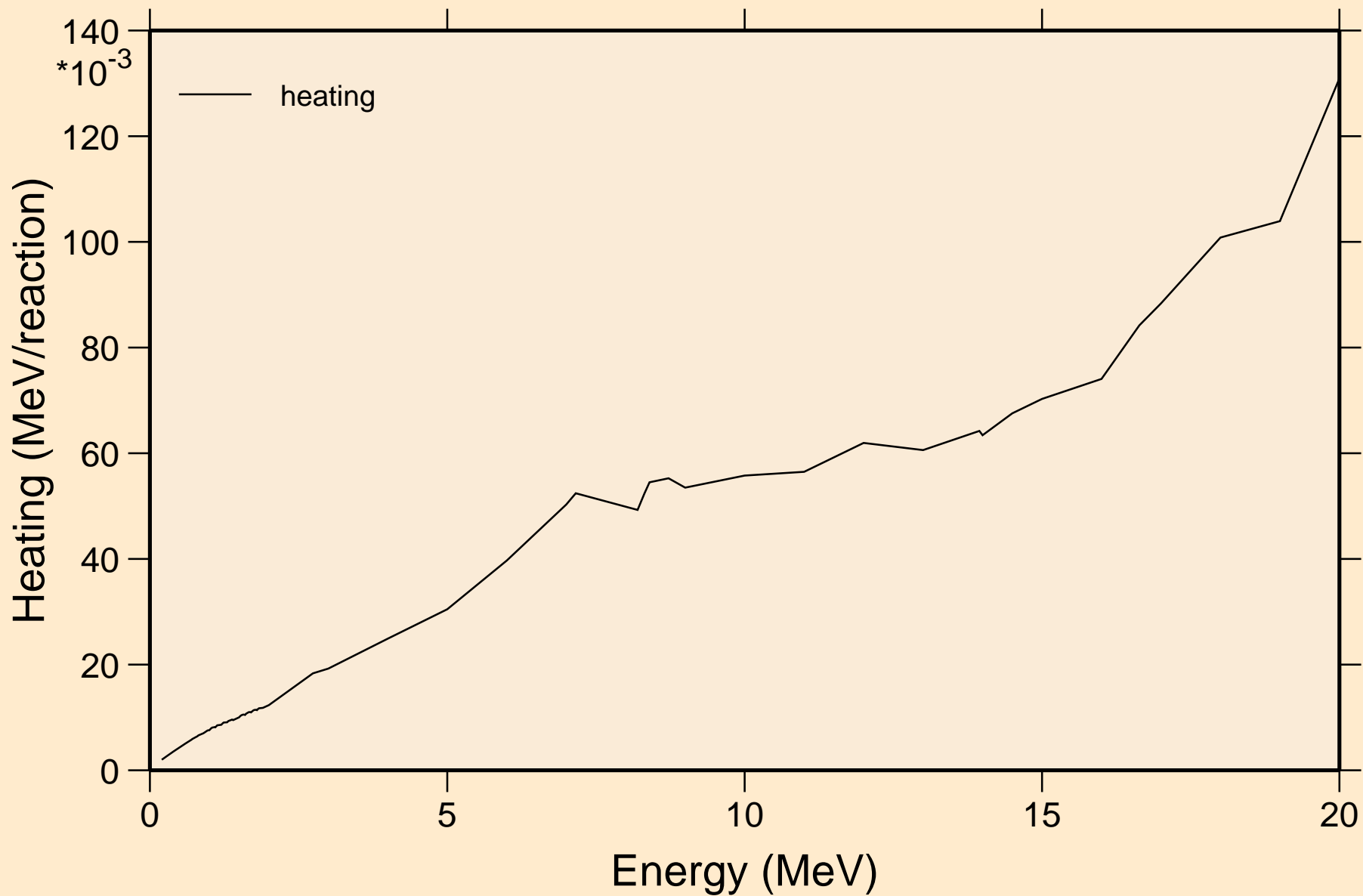
## Principal cross sections





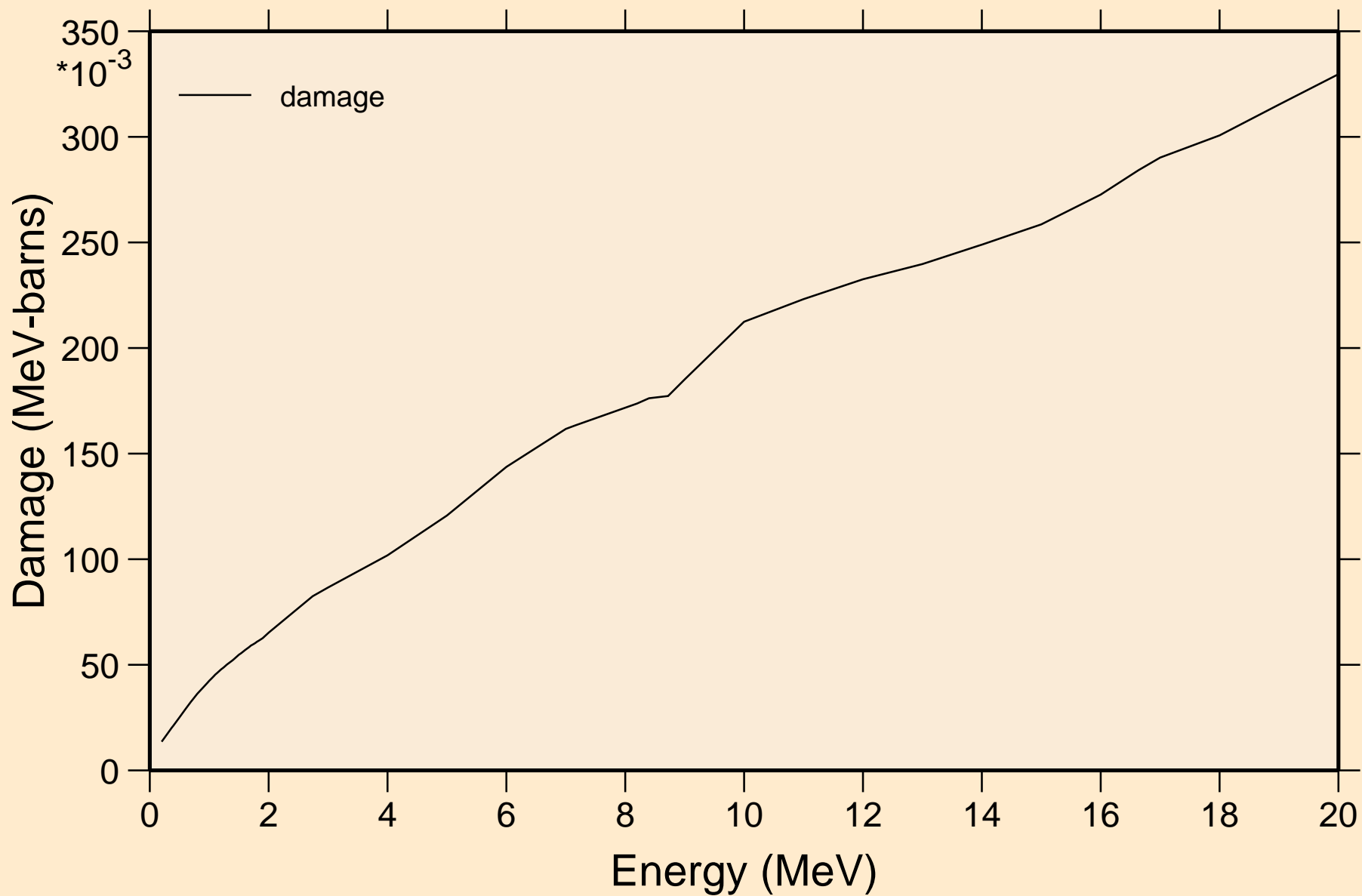
# ENDF/B-VII SM-152

## Heating

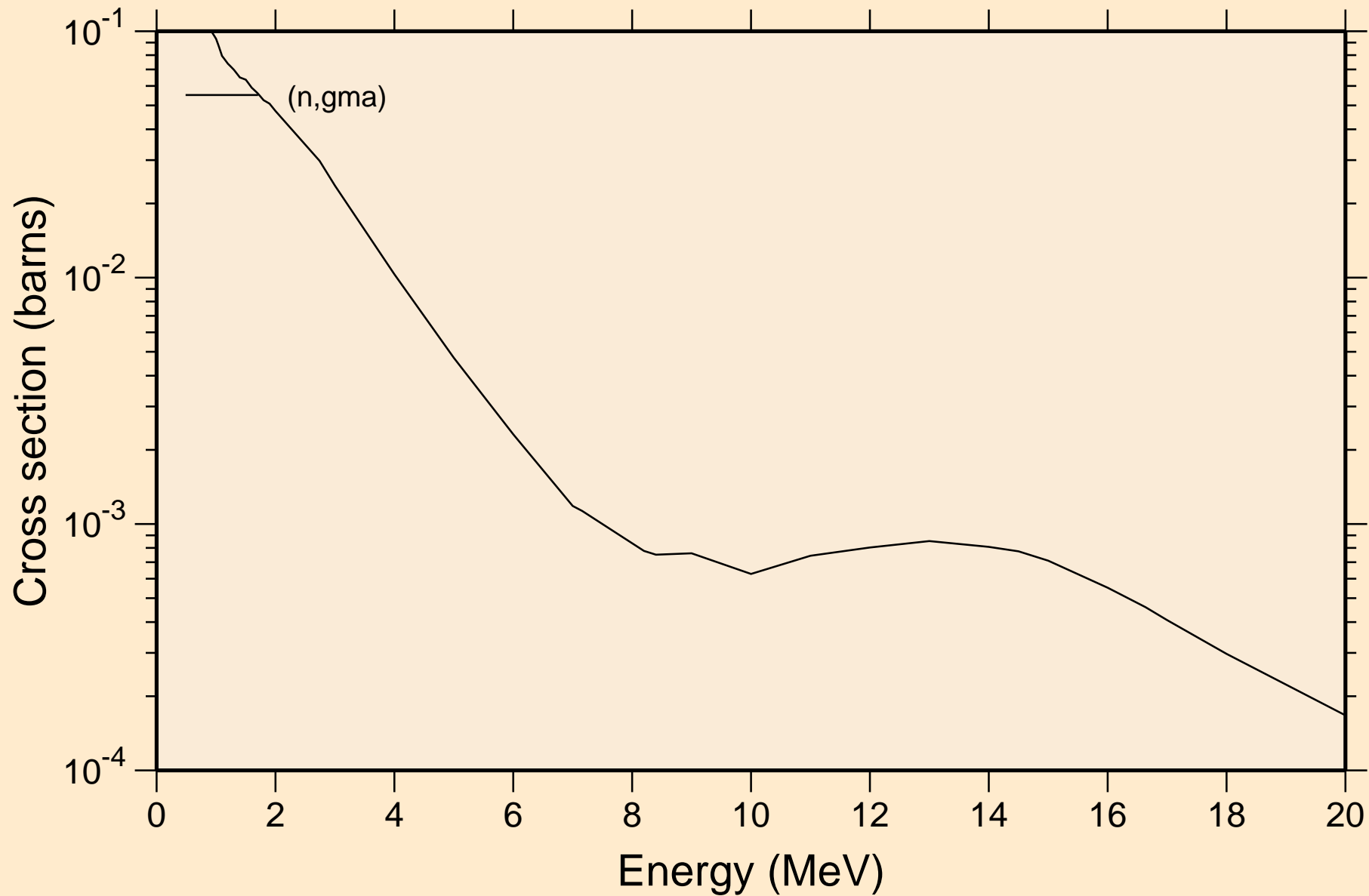


# ENDF/B-VII SM-152

## Damage

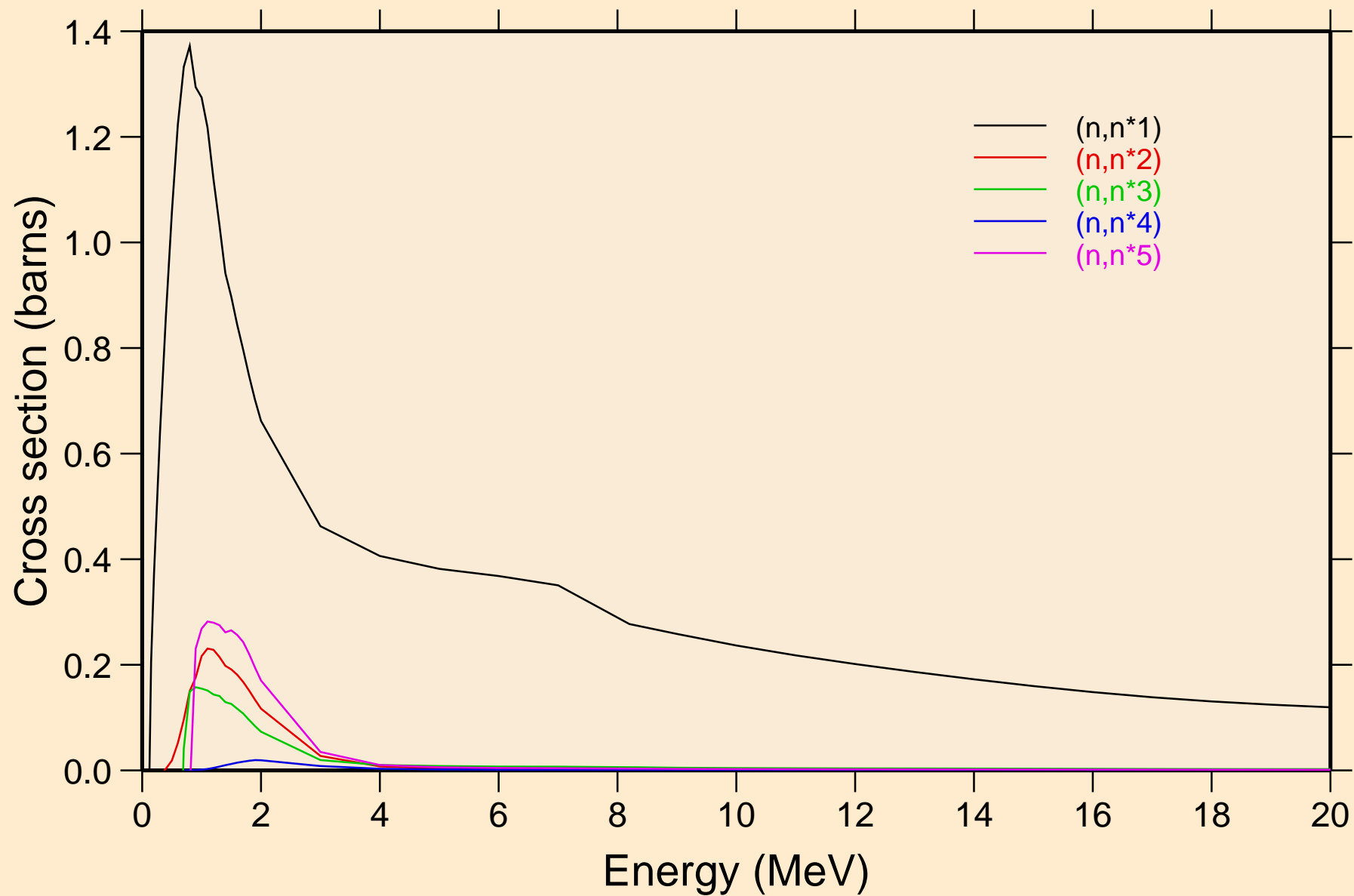


ENDF/B-VII SM-152  
Non-threshold reactions



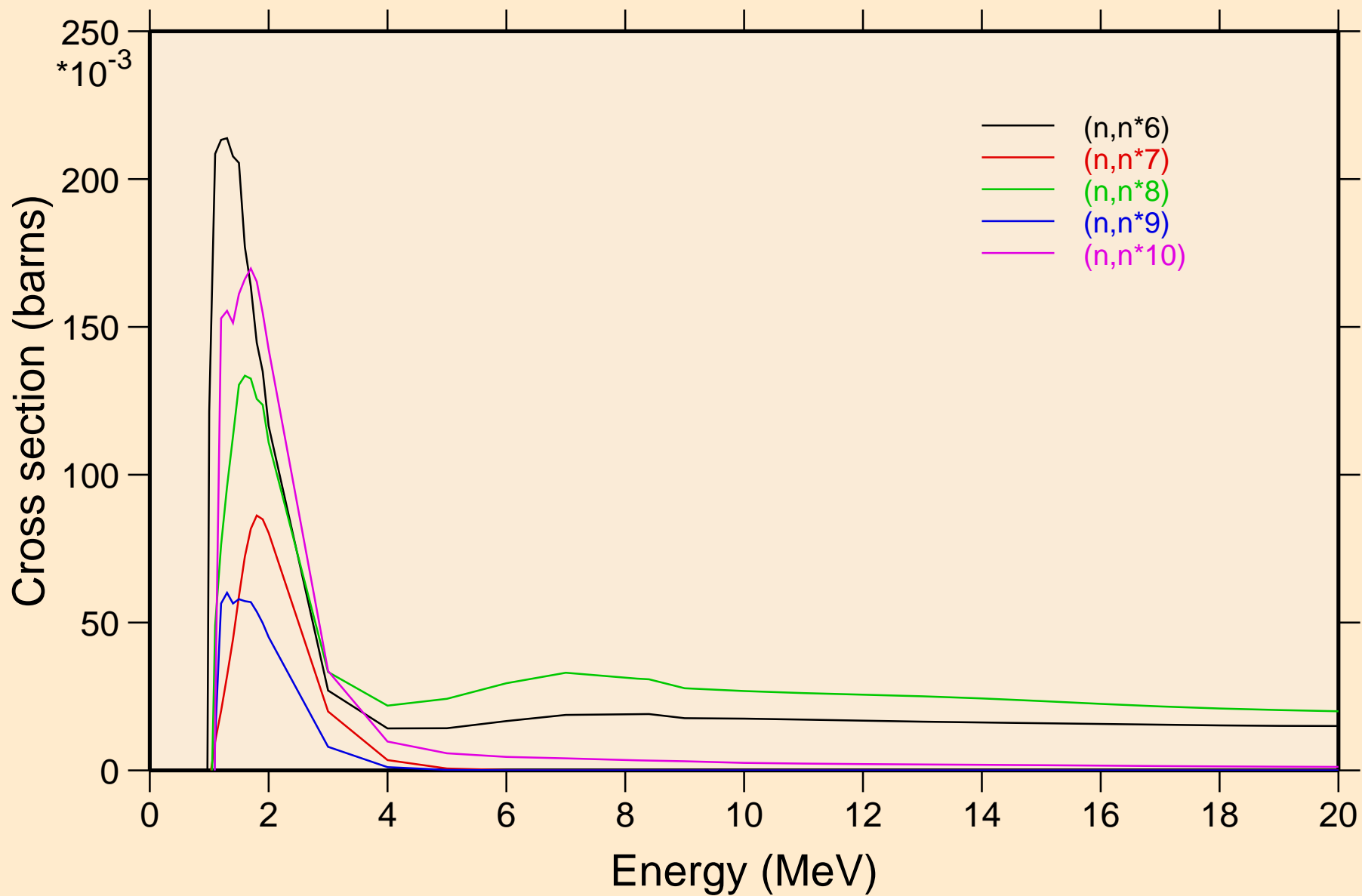
# ENDF/B-VII SM-152

## Inelastic levels



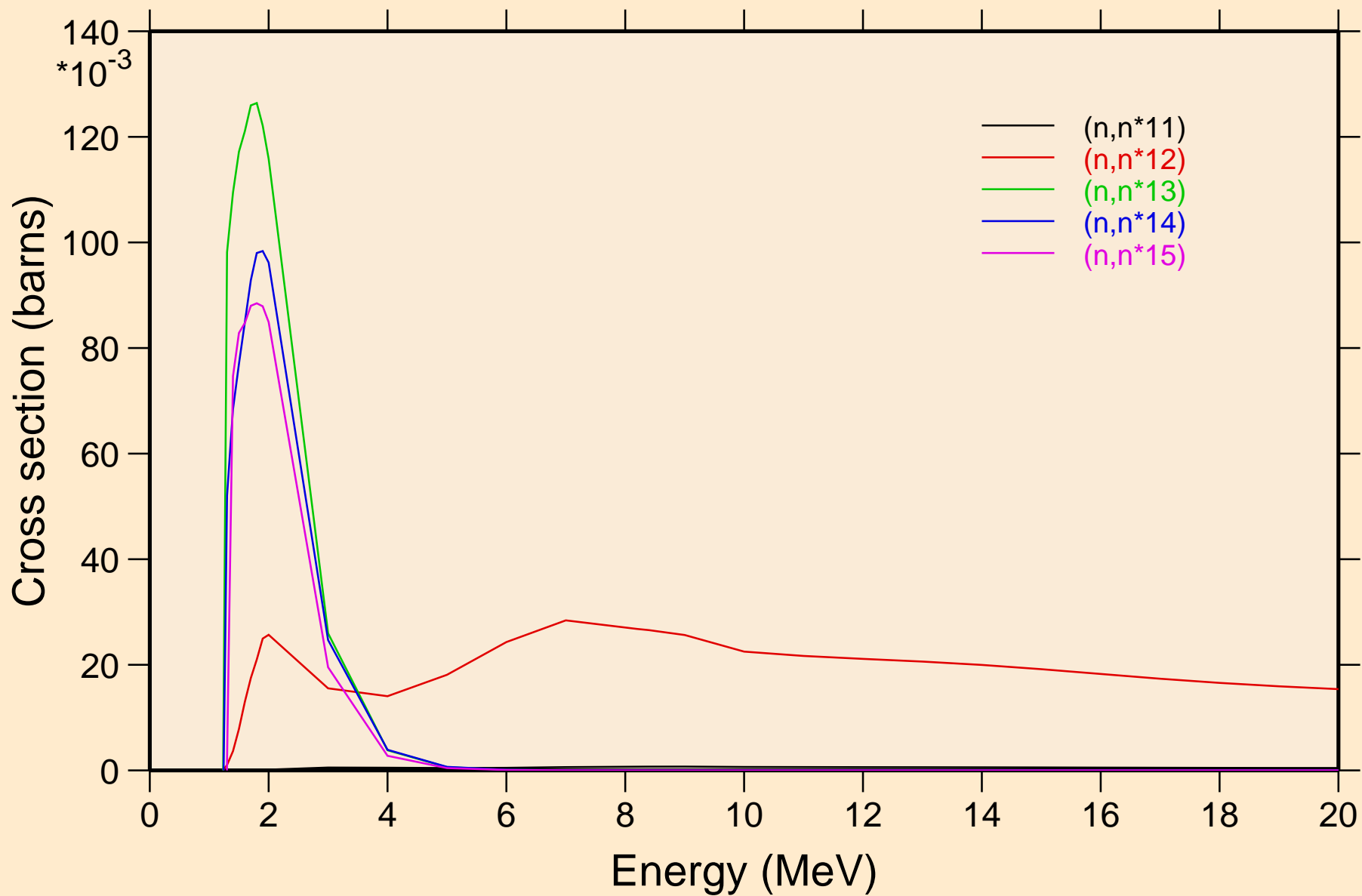
# ENDF/B-VII SM-152

## Inelastic levels



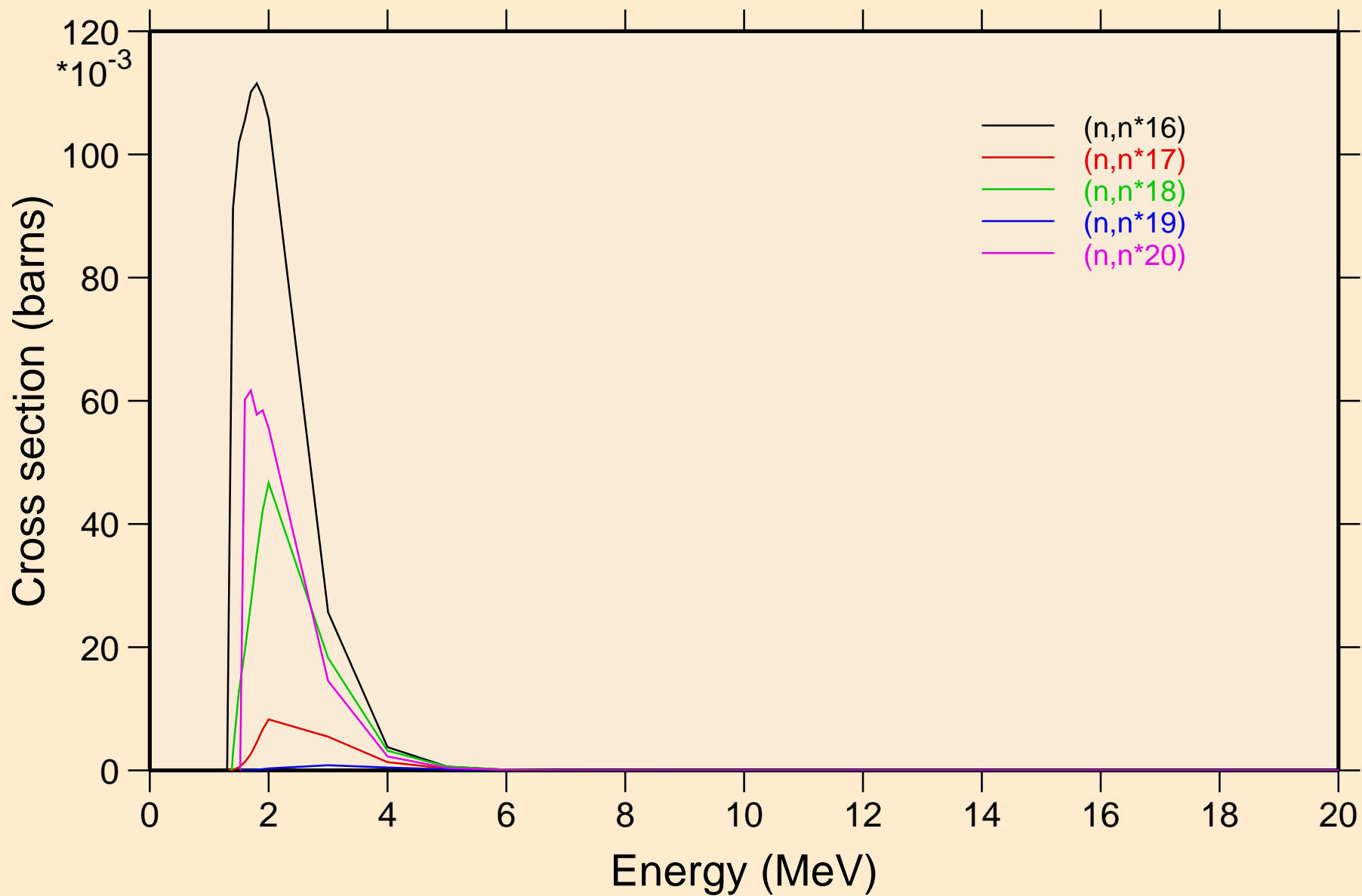
# ENDF/B-VII SM-152

## Inelastic levels



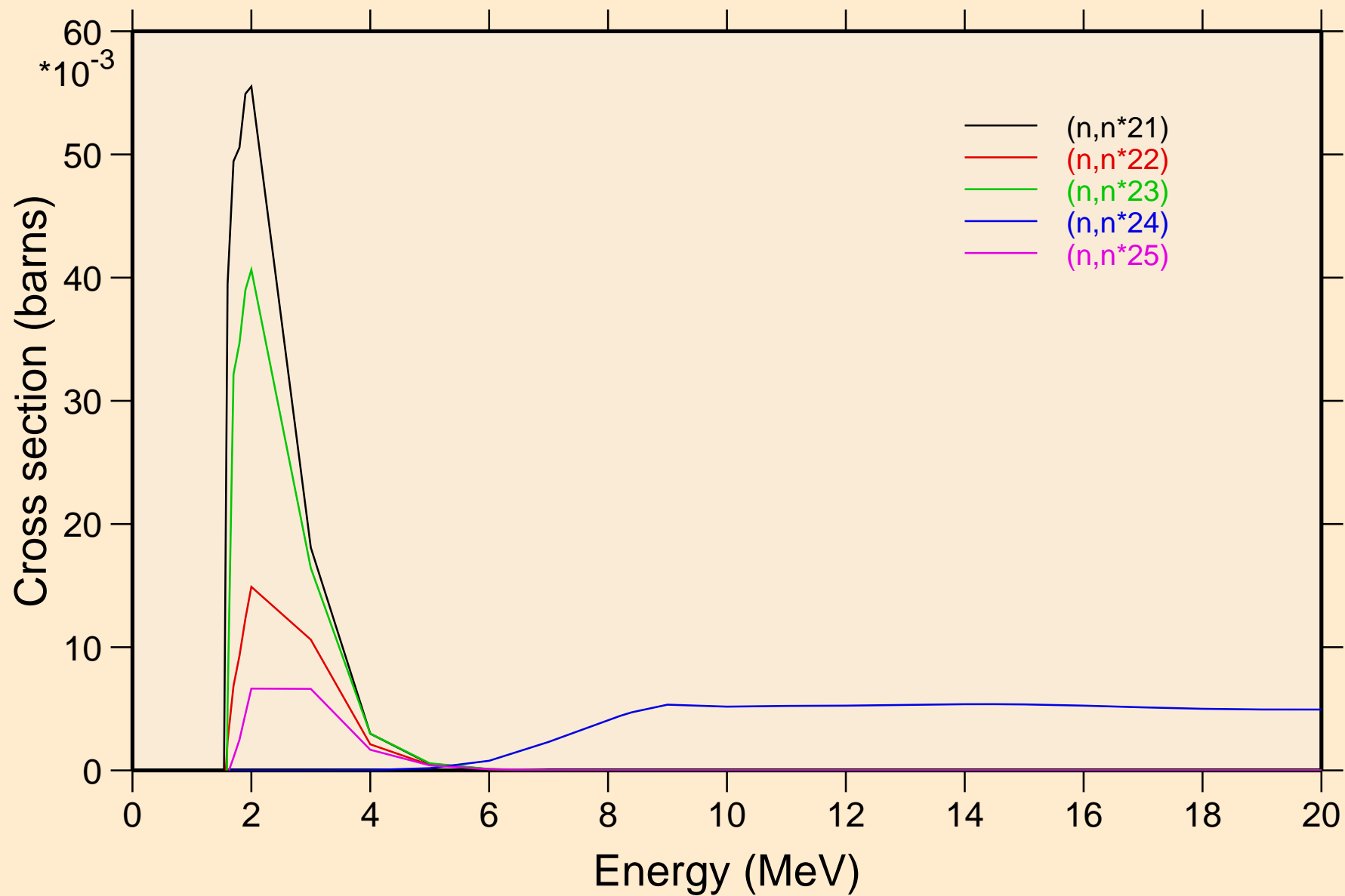
# ENDF/B-VII SM-152

## Inelastic levels



# ENDF/B-VII SM-152

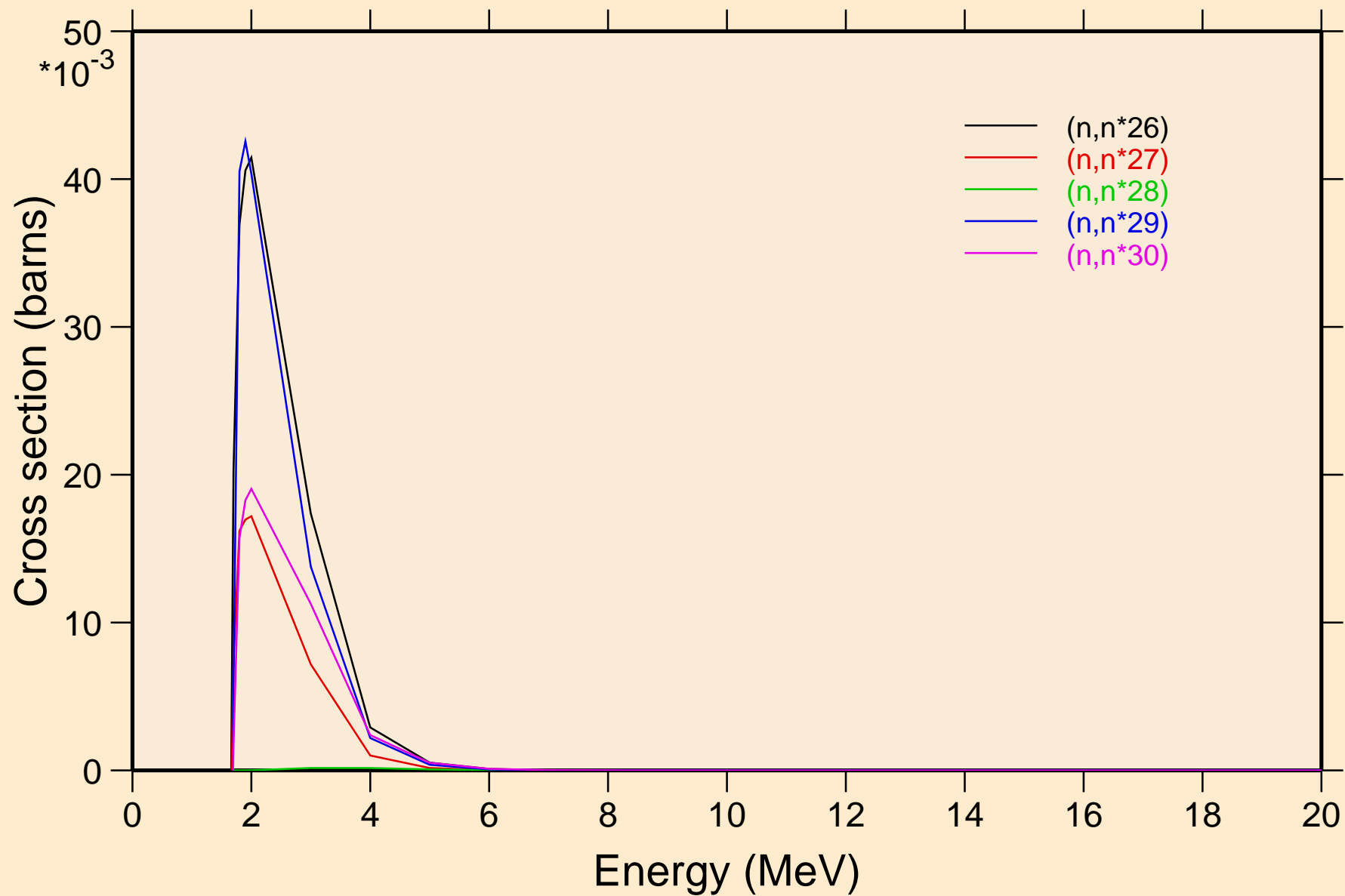
## Inelastic levels





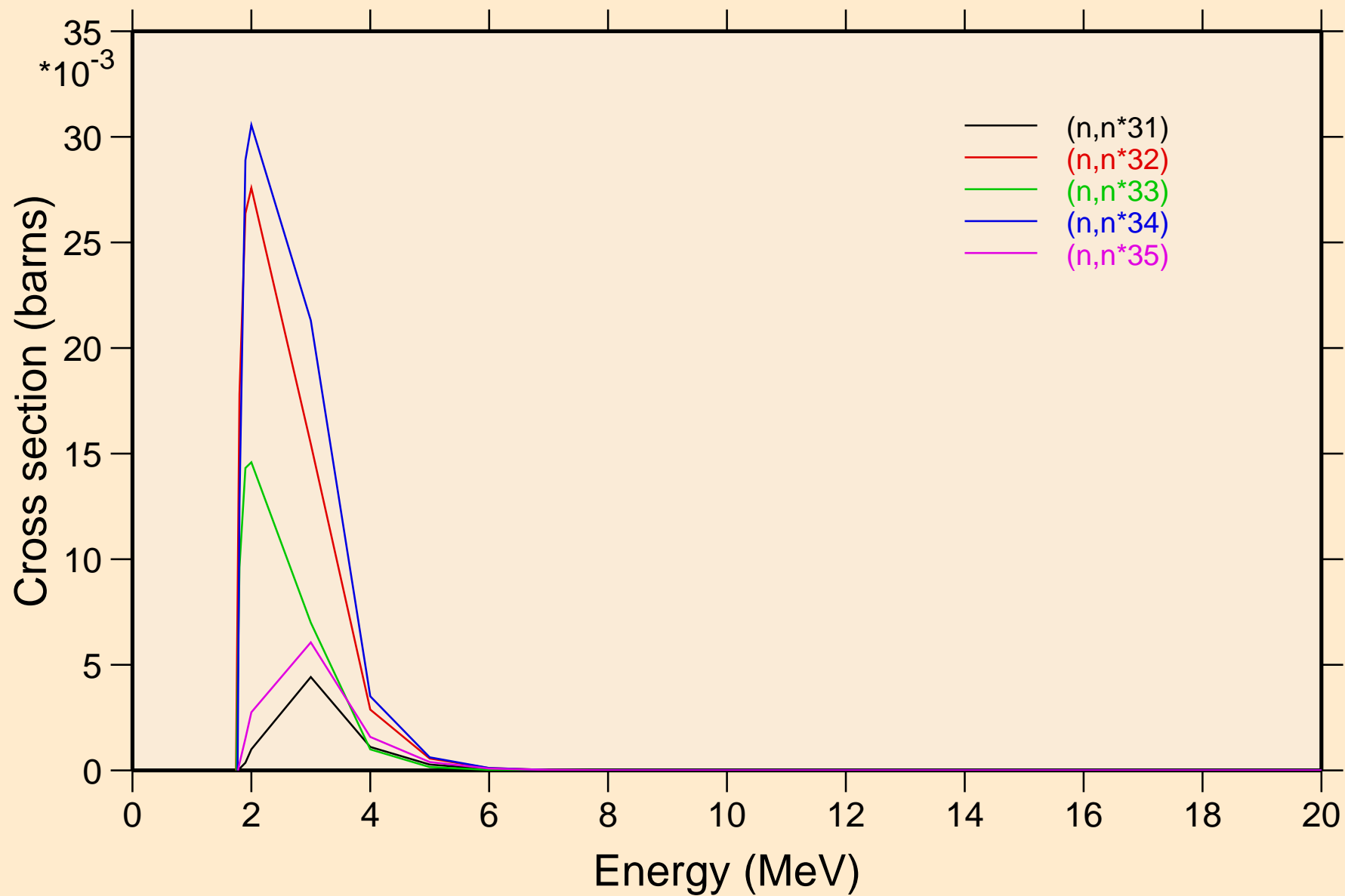
# ENDF/B-VII SM-152

## Inelastic levels



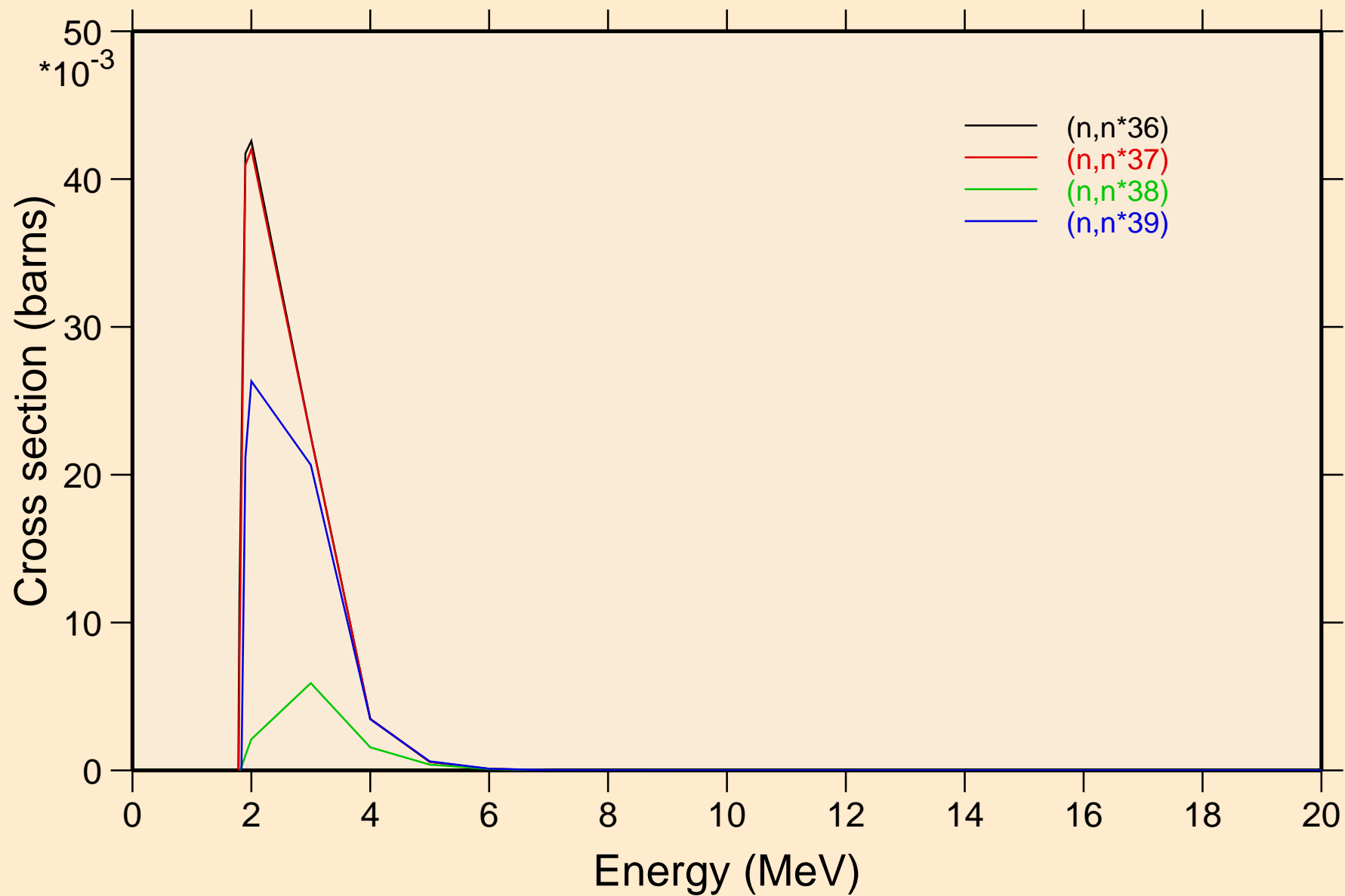
# ENDF/B-VII SM-152

## Inelastic levels



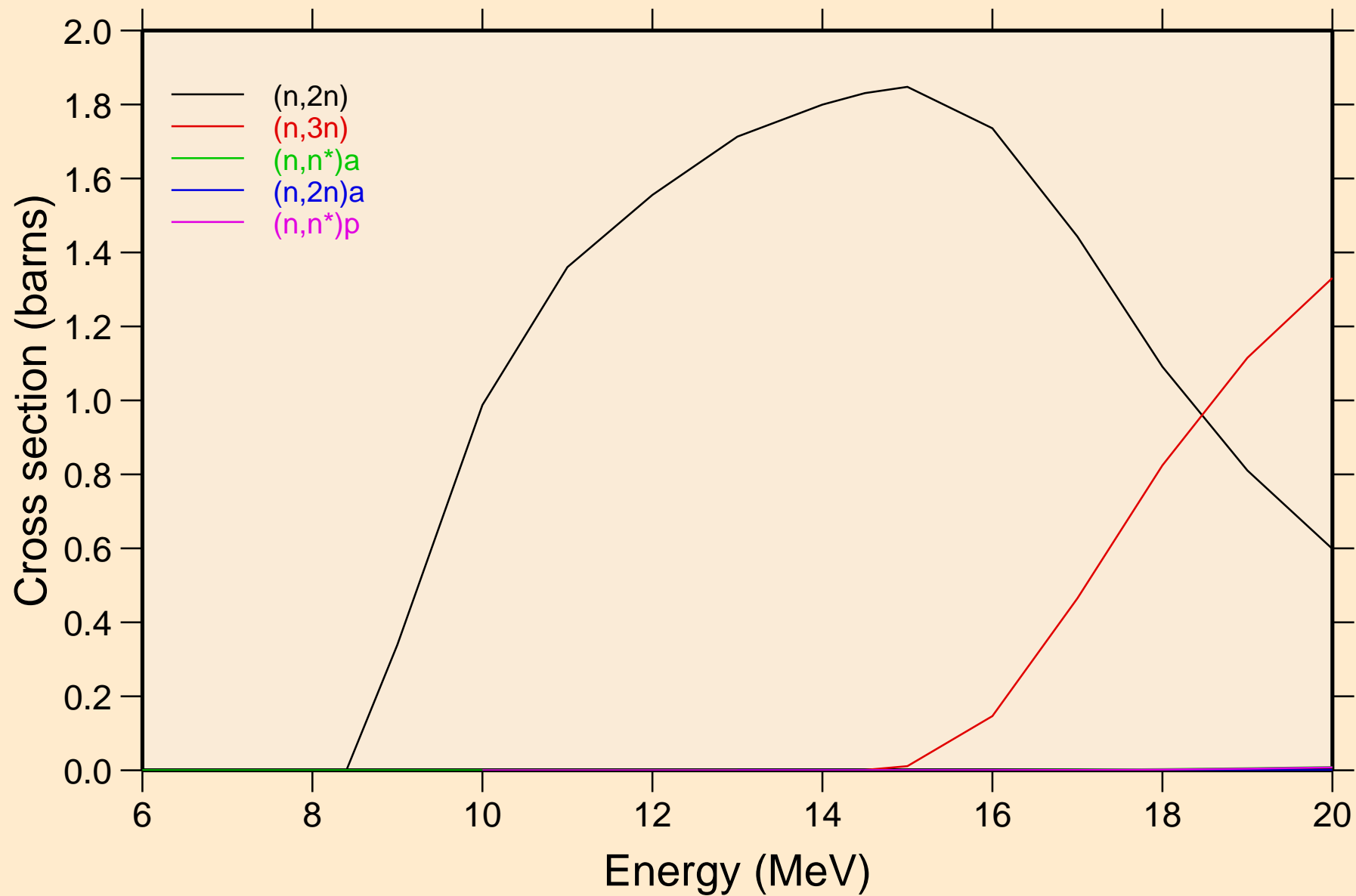
# ENDF/B-VII SM-152

## Inelastic levels



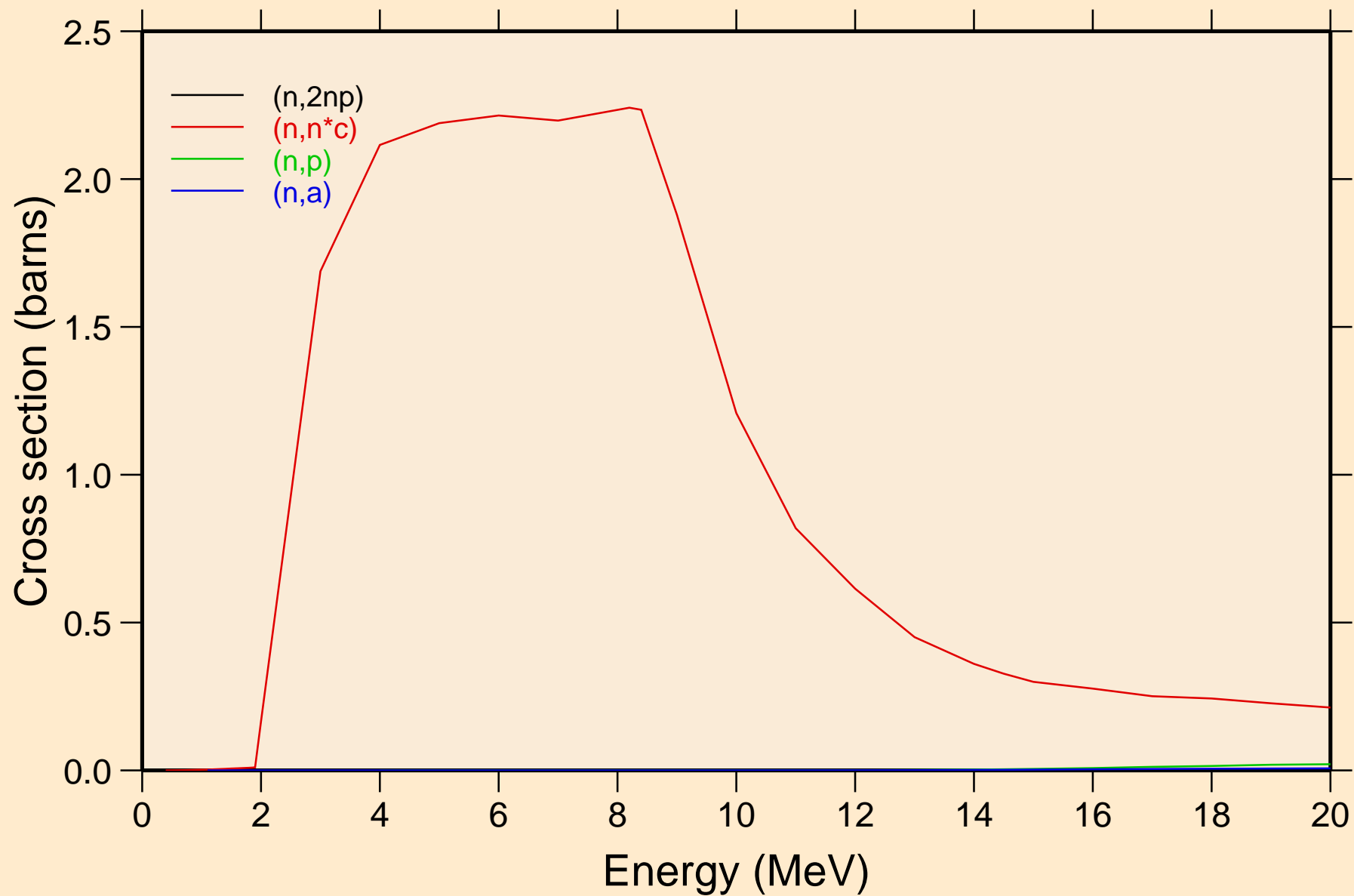
# ENDF/B-VII SM-152

## Threshold reactions



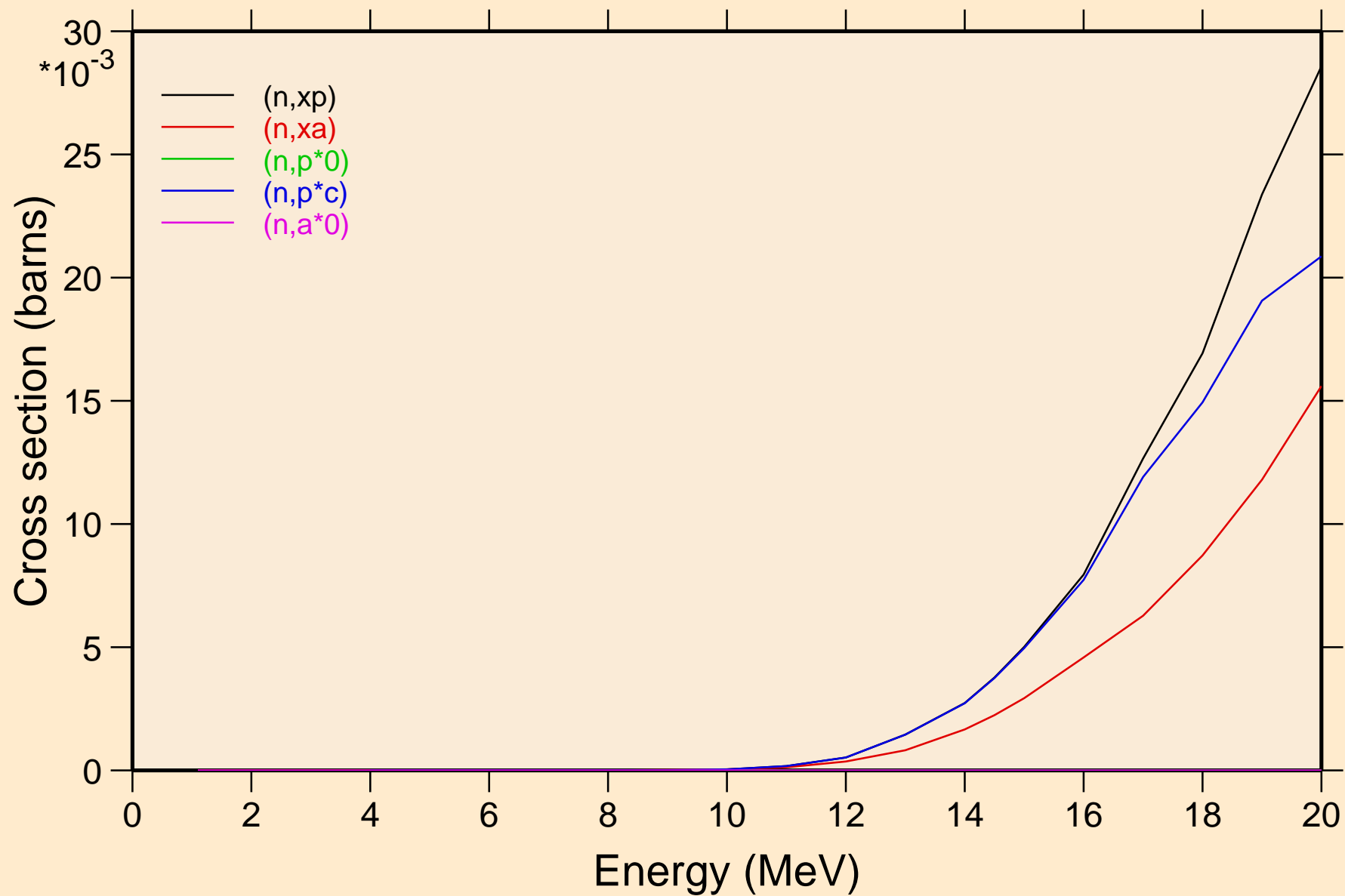
# ENDF/B-VII SM-152

## Threshold reactions



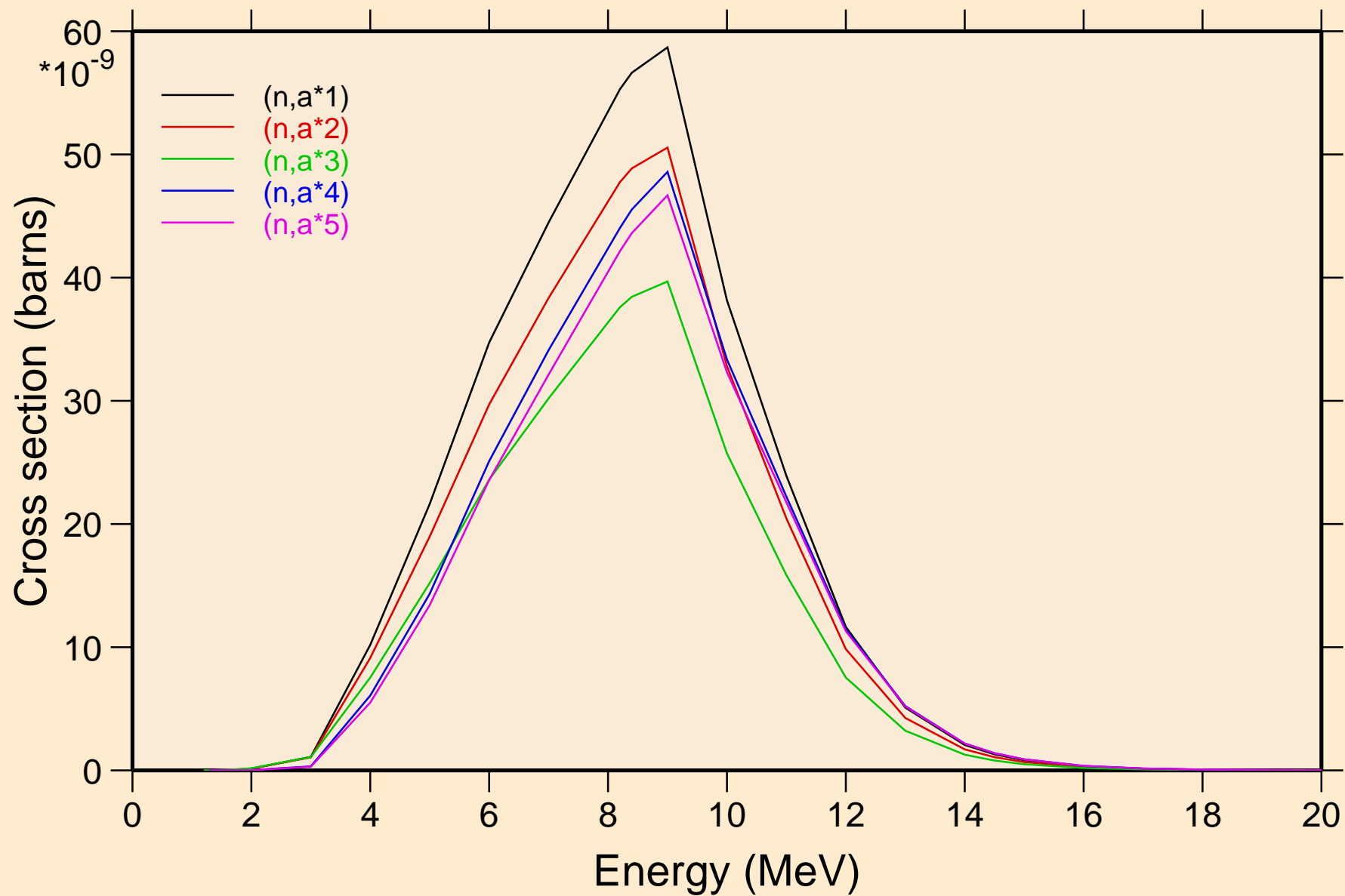
# ENDF/B-VII SM-152

## Threshold reactions



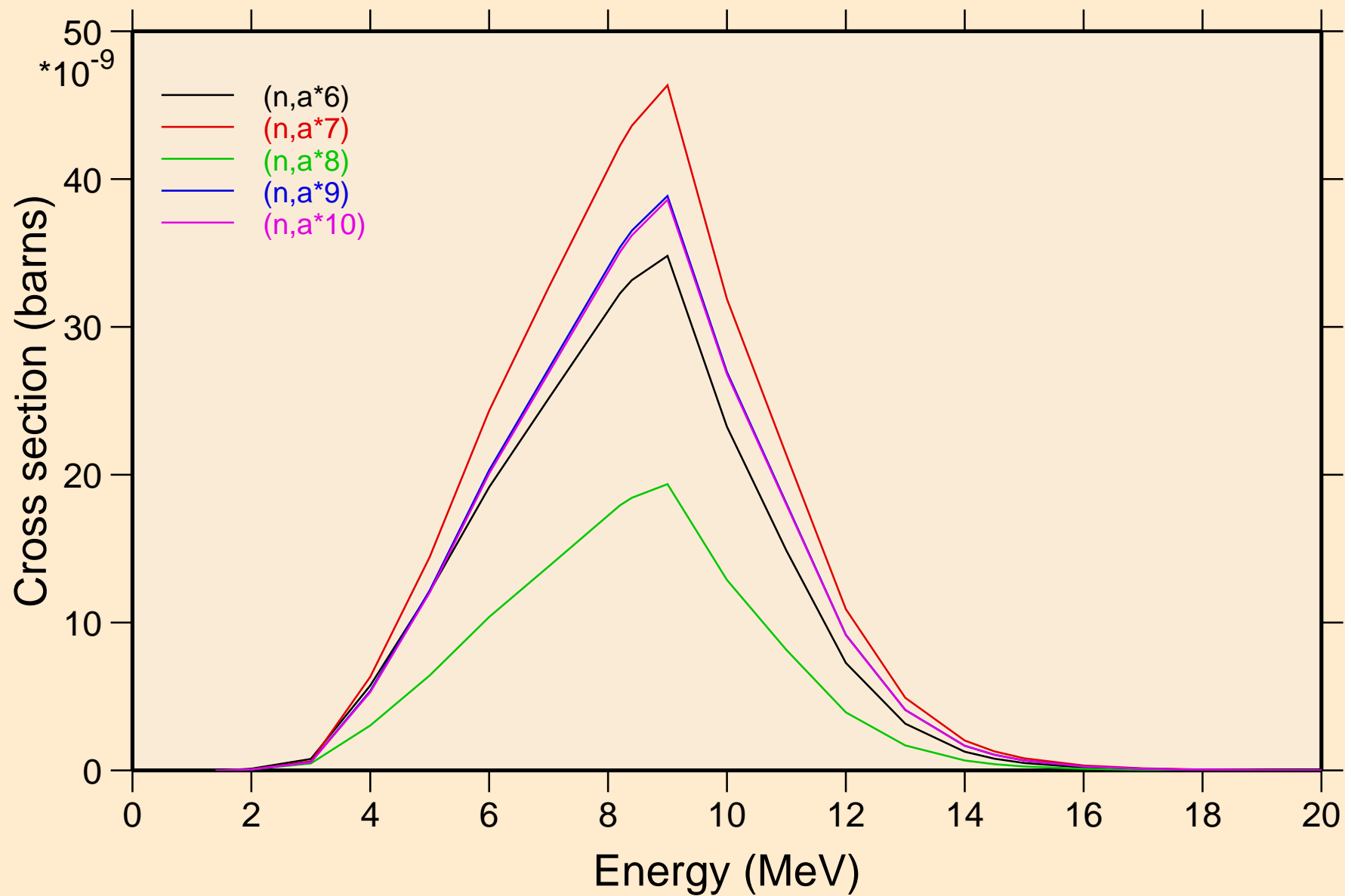
# ENDF/B-VII SM-152

## Threshold reactions



# ENDF/B-VII SM-152

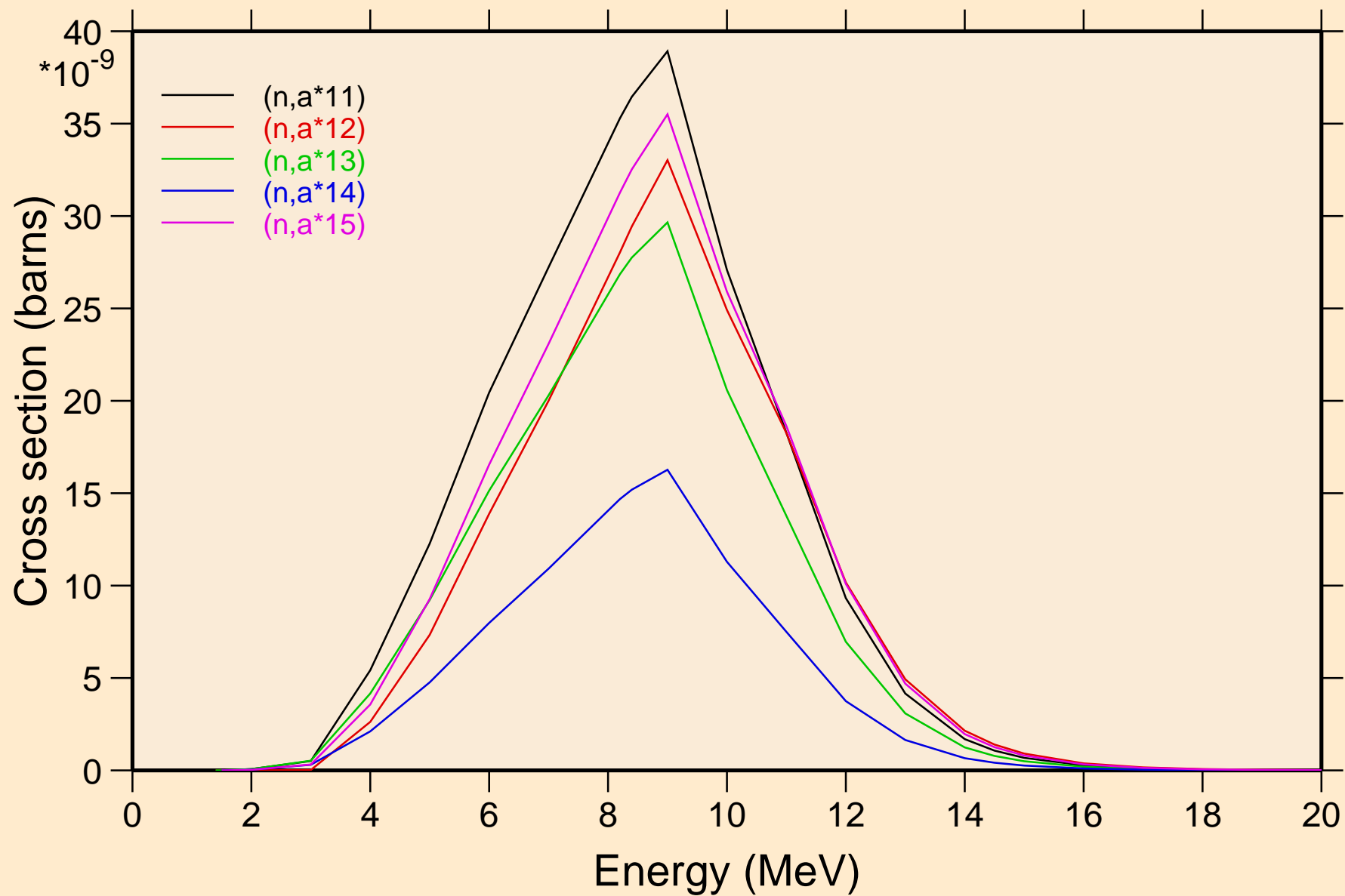
## Threshold reactions





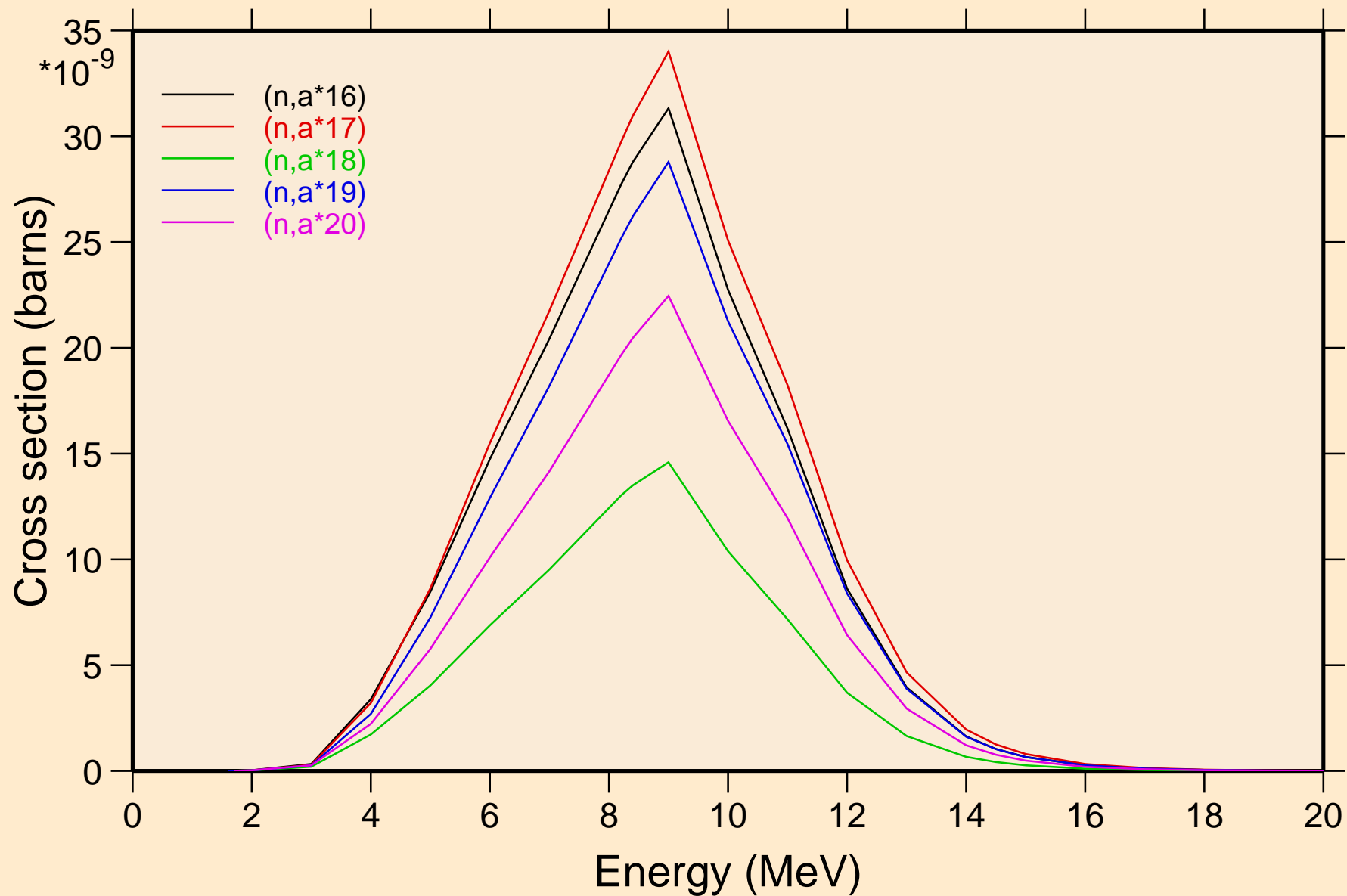
# ENDF/B-VII SM-152

## Threshold reactions



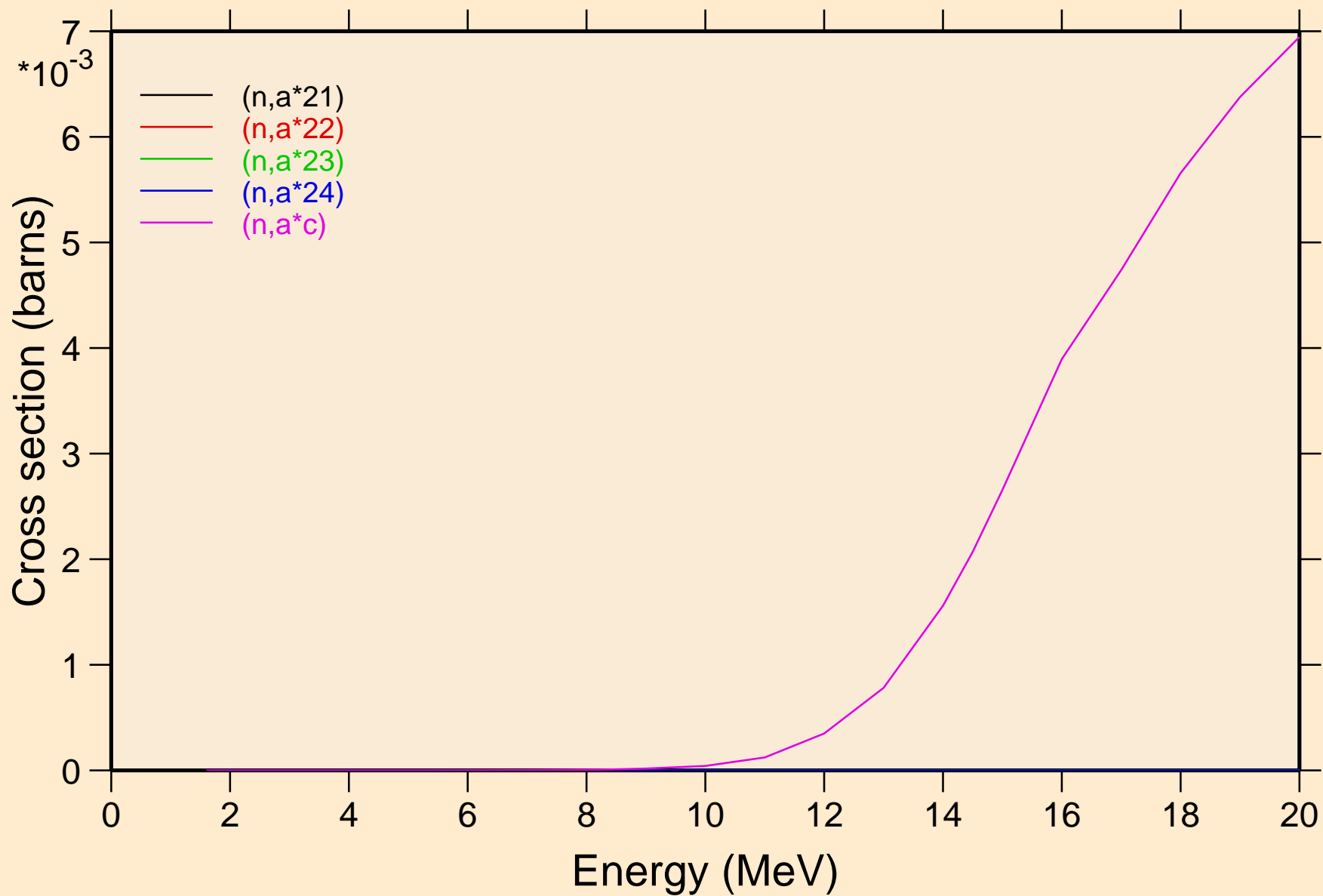
# ENDF/B-VII SM-152

## Threshold reactions

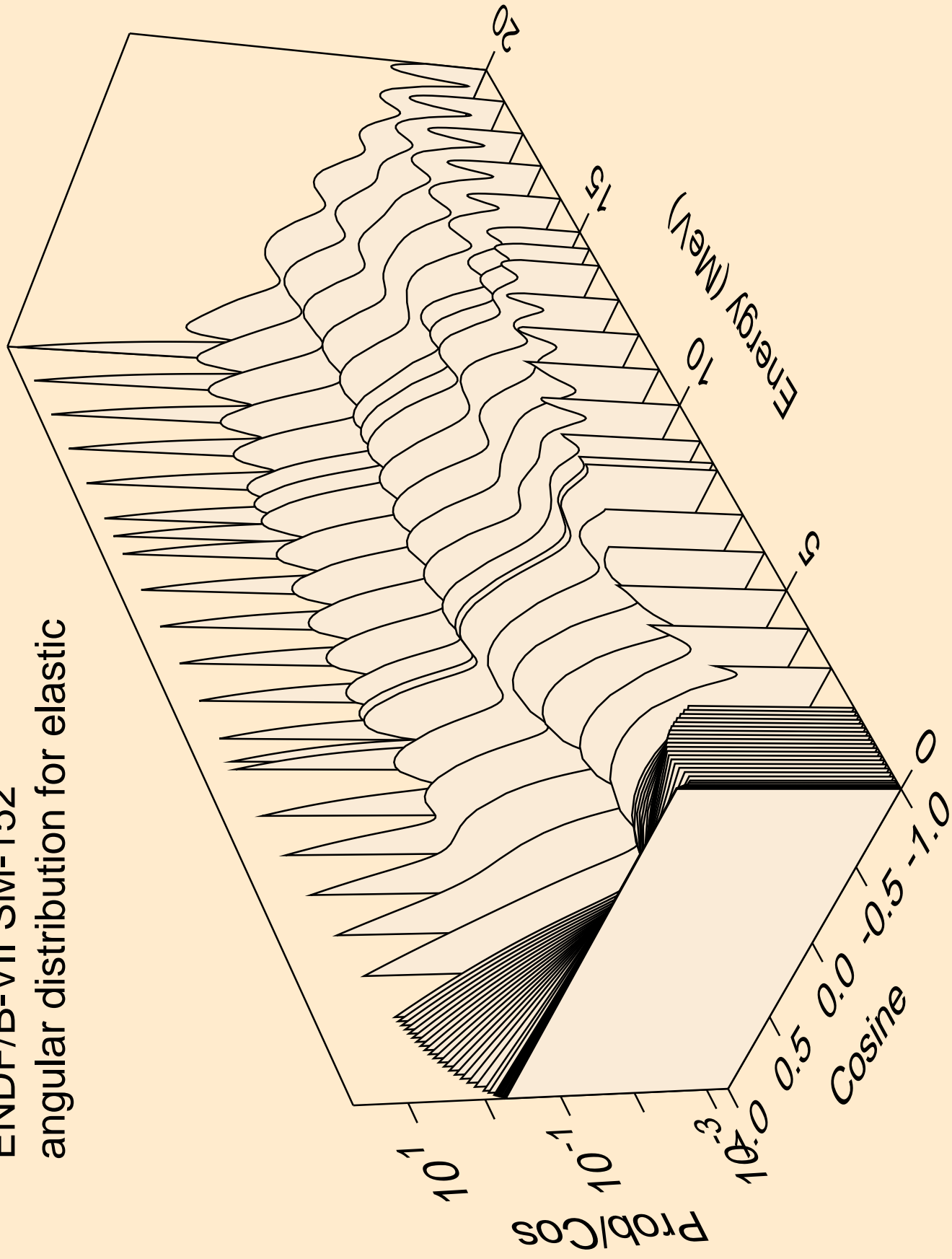


# ENDF/B-VII SM-152

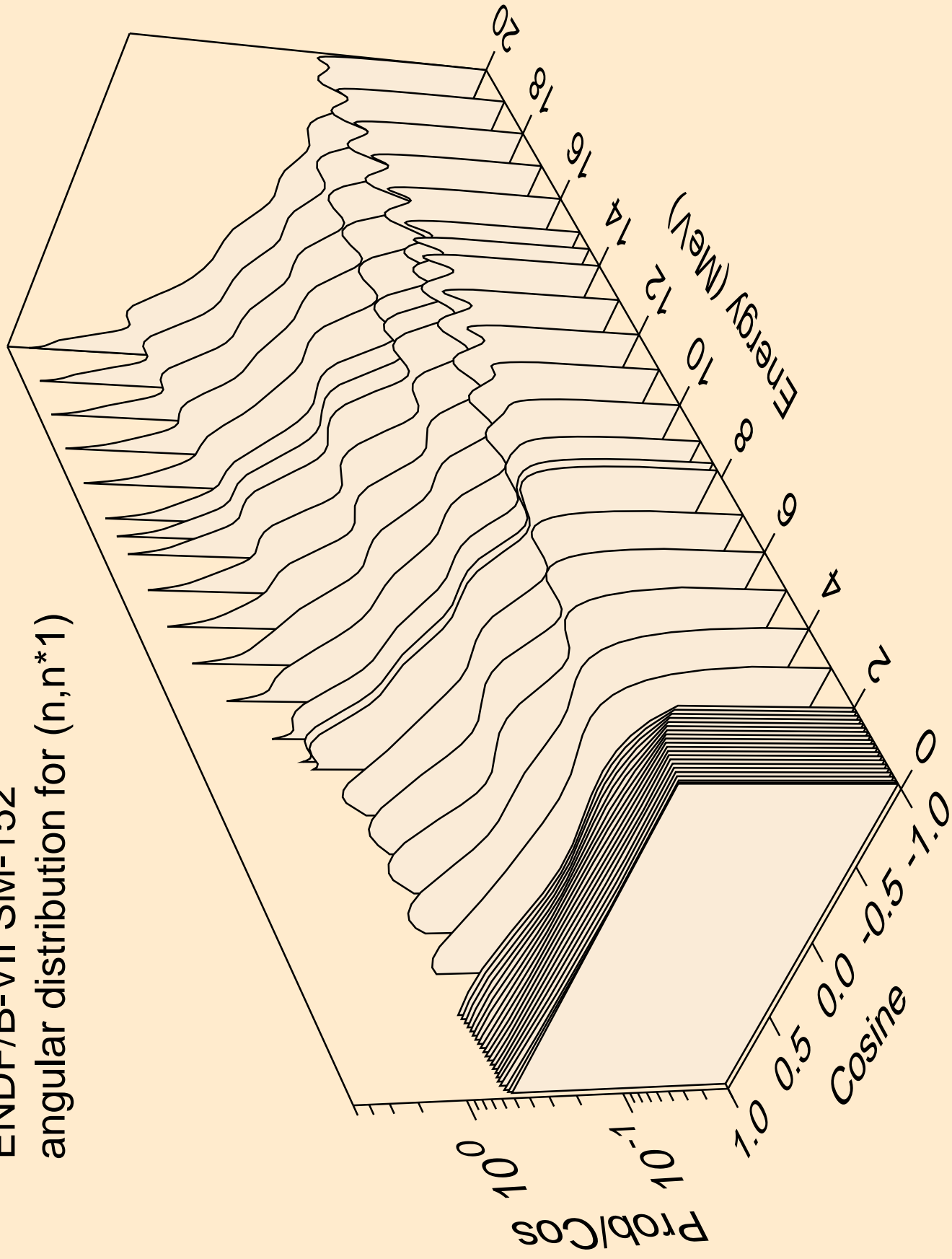
## Threshold reactions



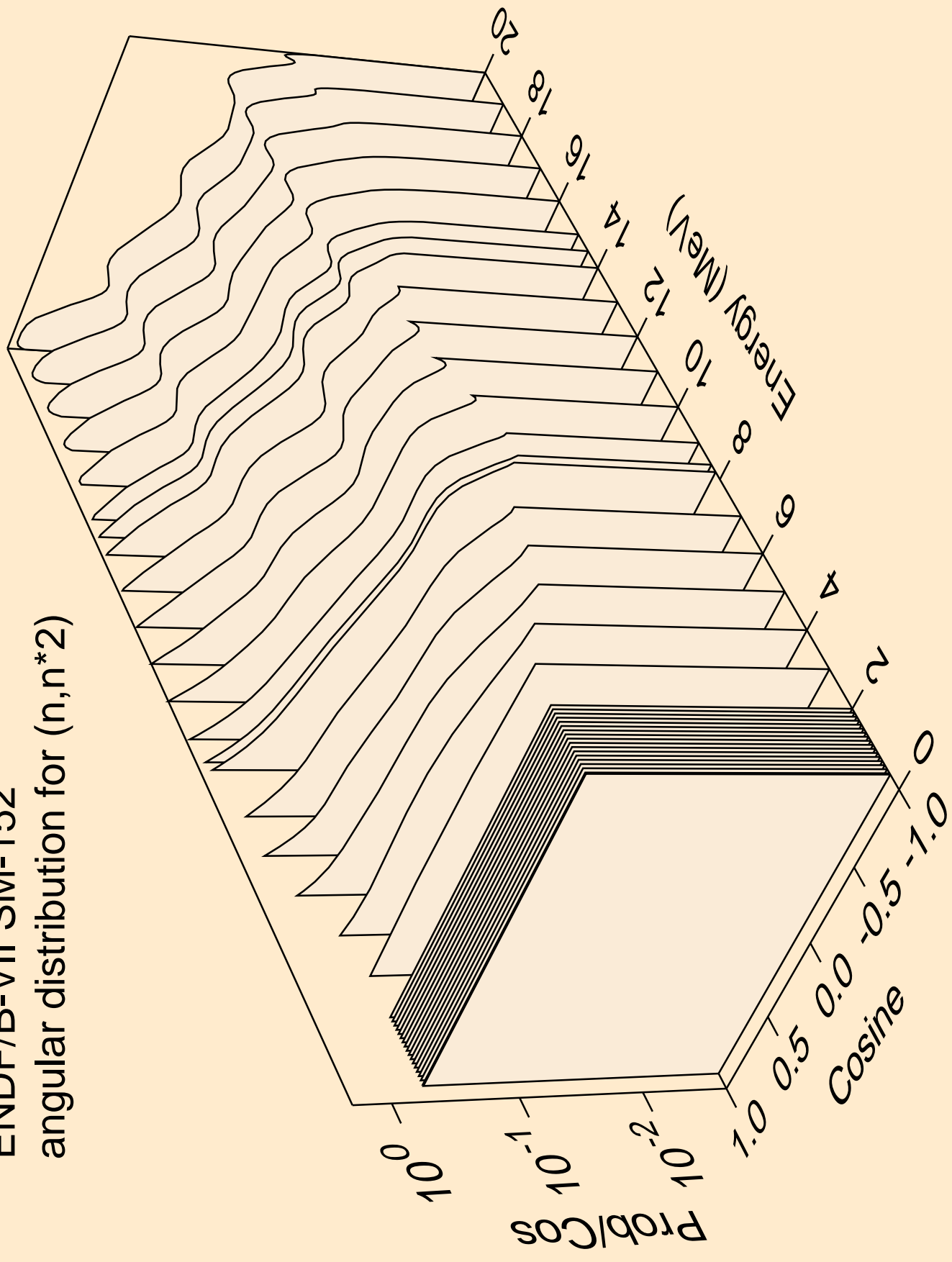
ENDF/B-VII SM-152  
angular distribution for elastic



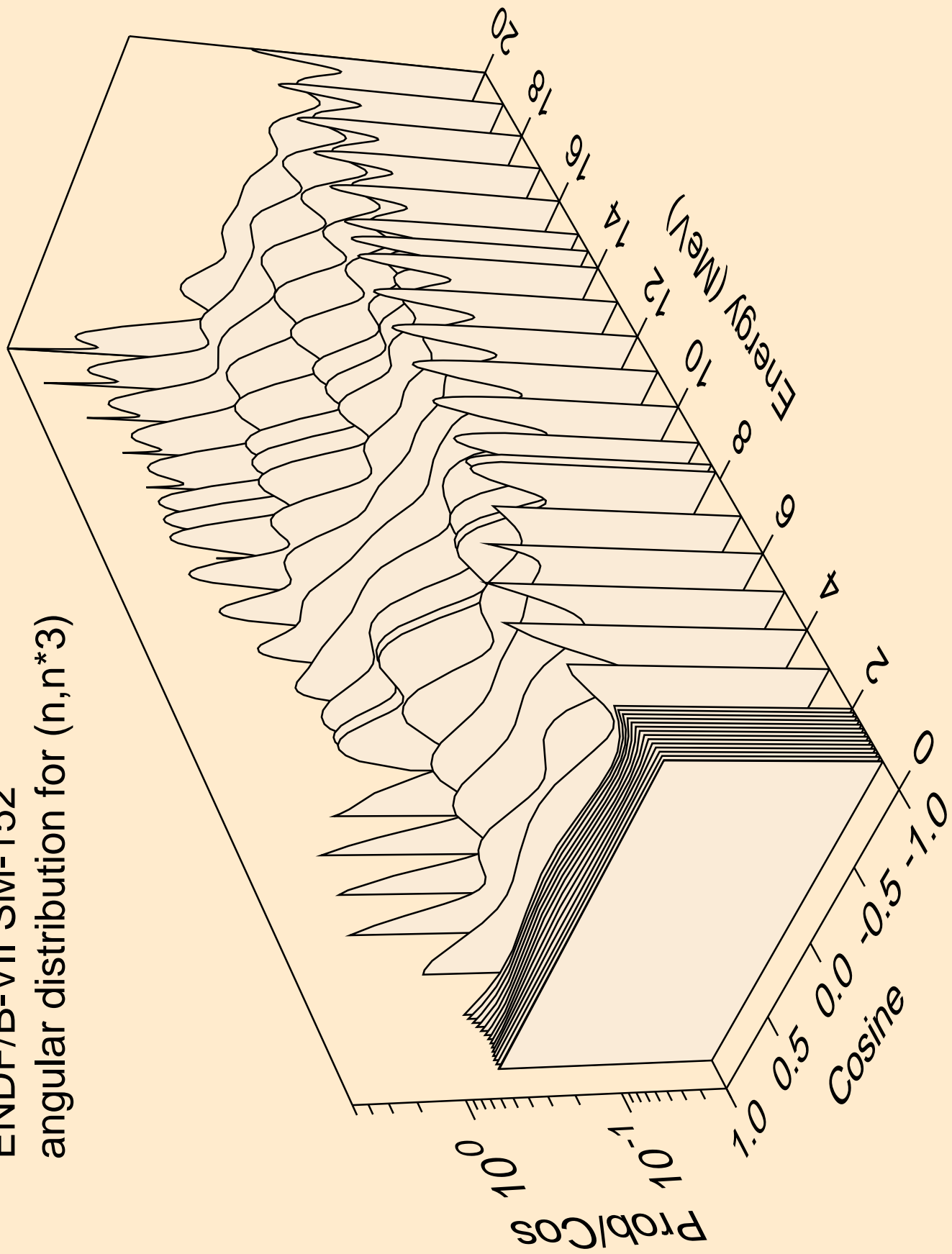
ENDF/B-VII SM-152  
angular distribution for (n,n\*1)



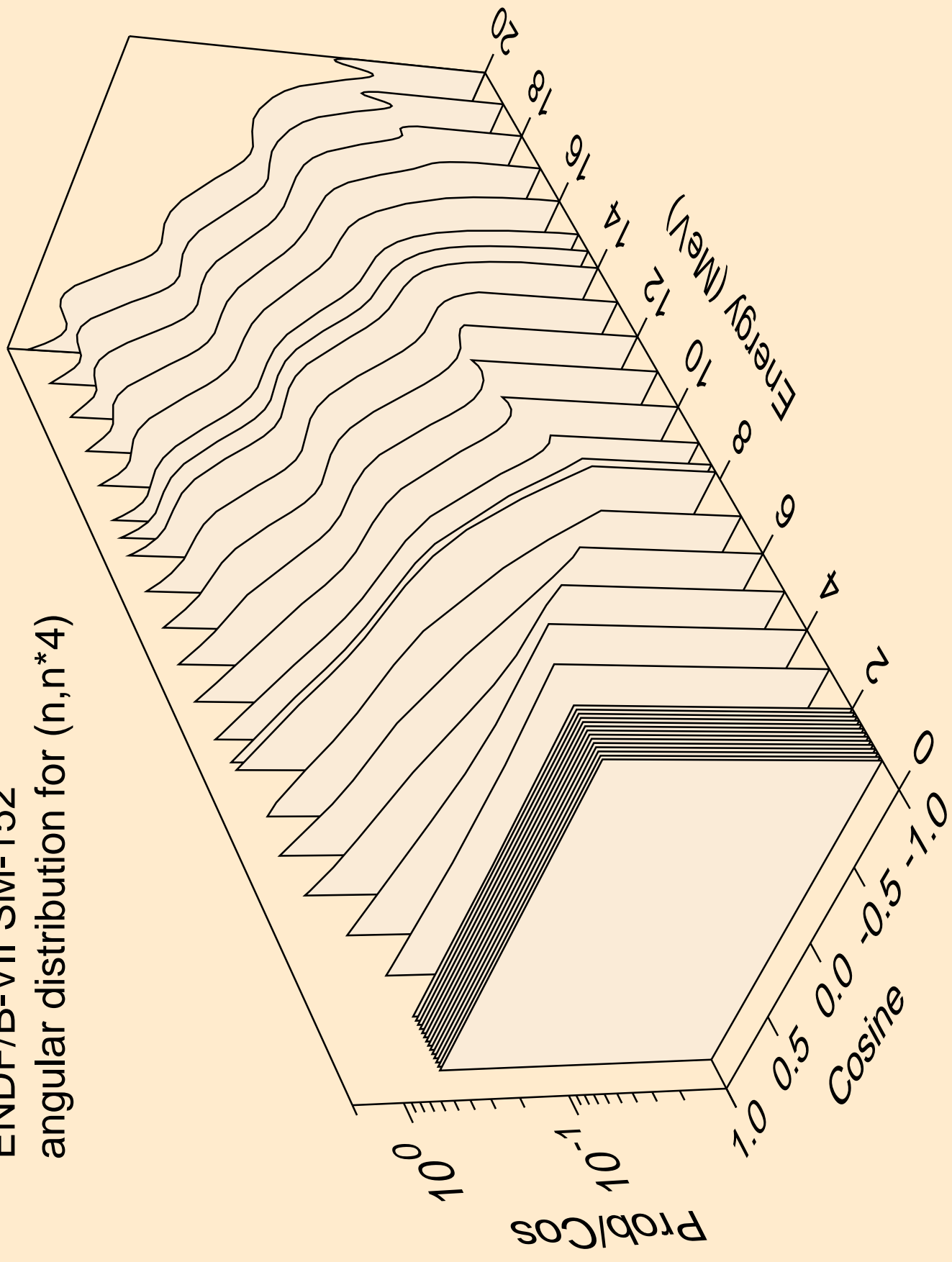
ENDF/B-VII SM-152  
angular distribution for (n,n\*2)



ENDF/B-VII SM-152  
angular distribution for (n,n\*3)

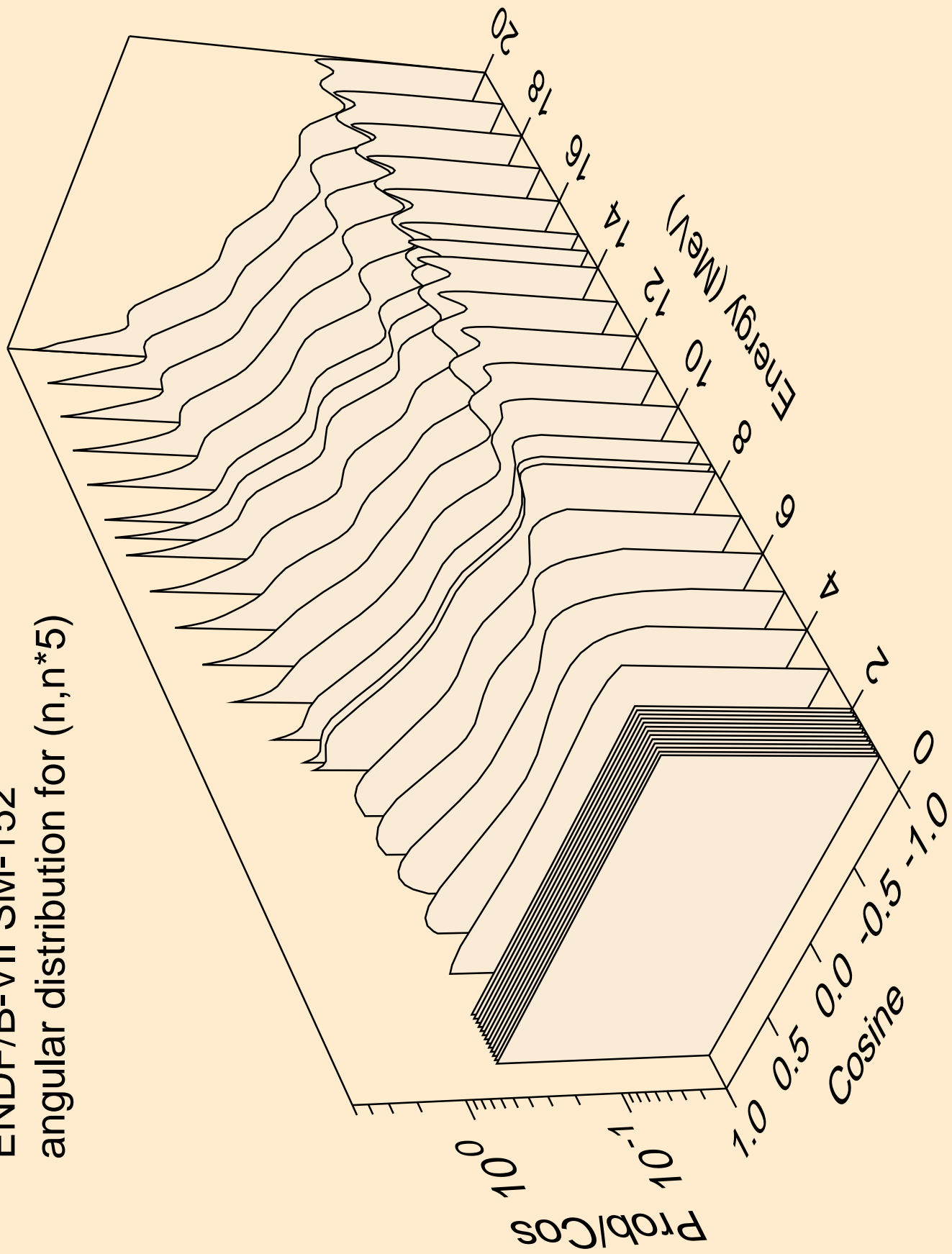


ENDF/B-VII SM-152  
angular distribution for (n,n\*4)

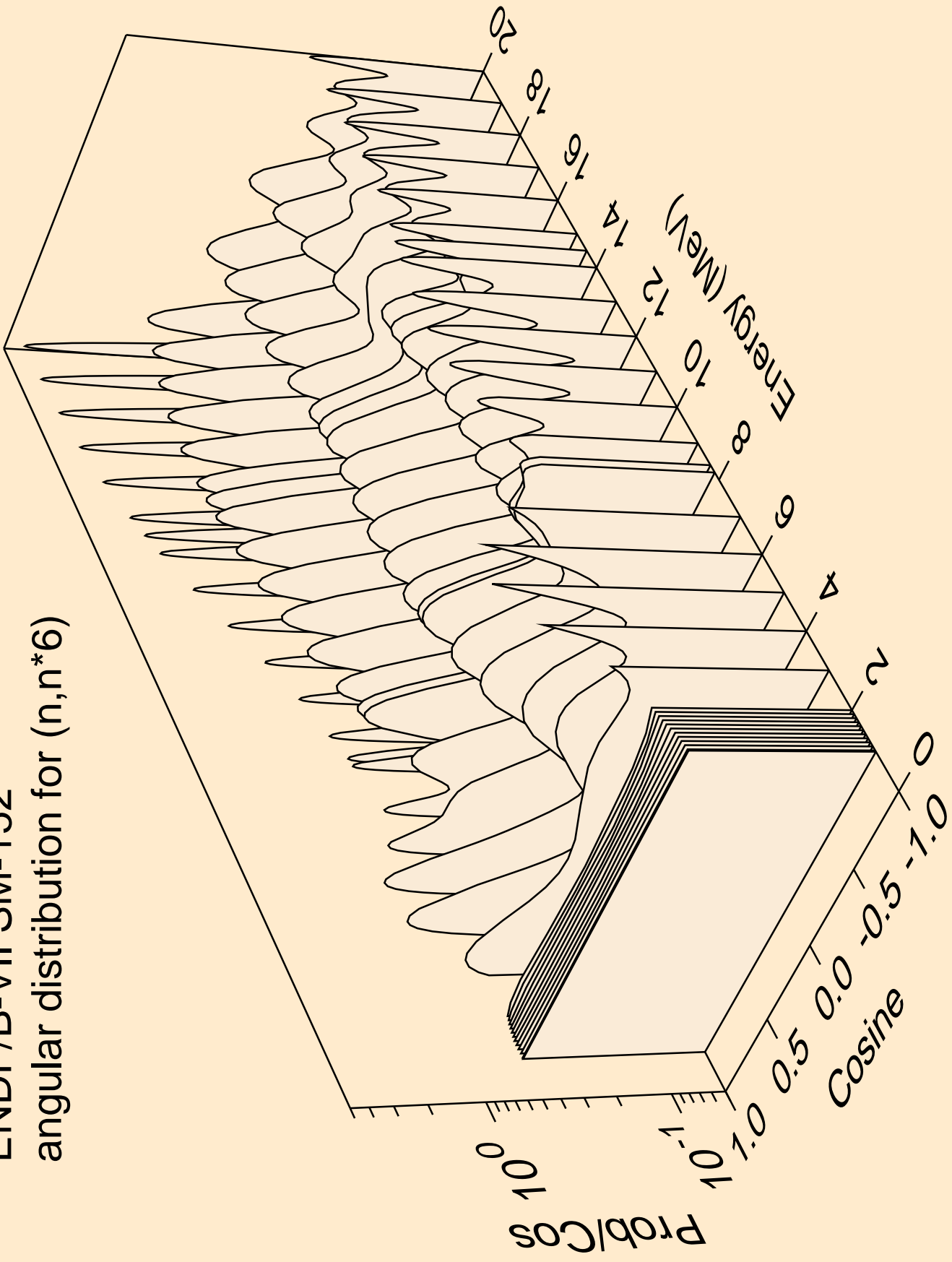




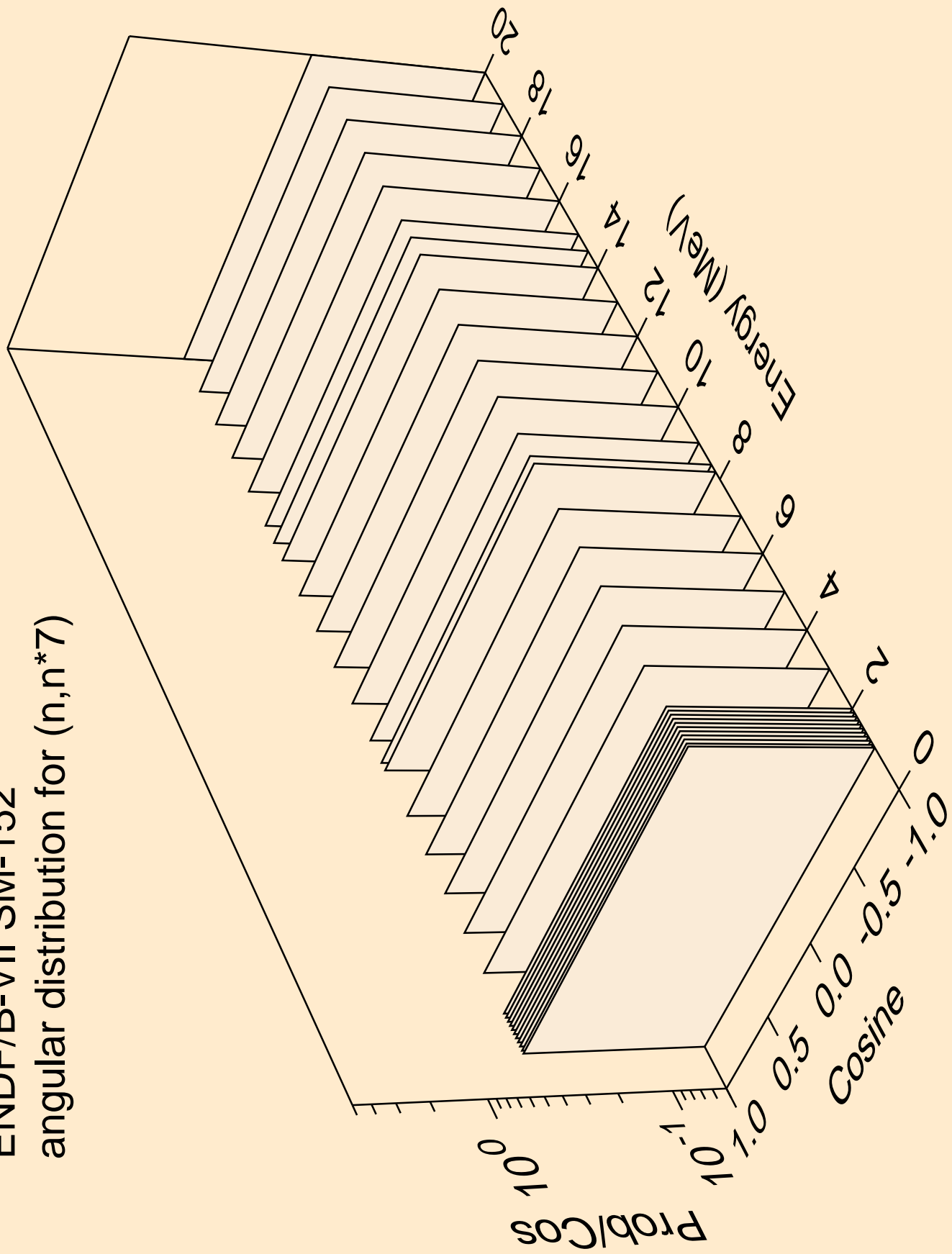
ENDF/B-VII SM-152  
angular distribution for (n,n\*5)



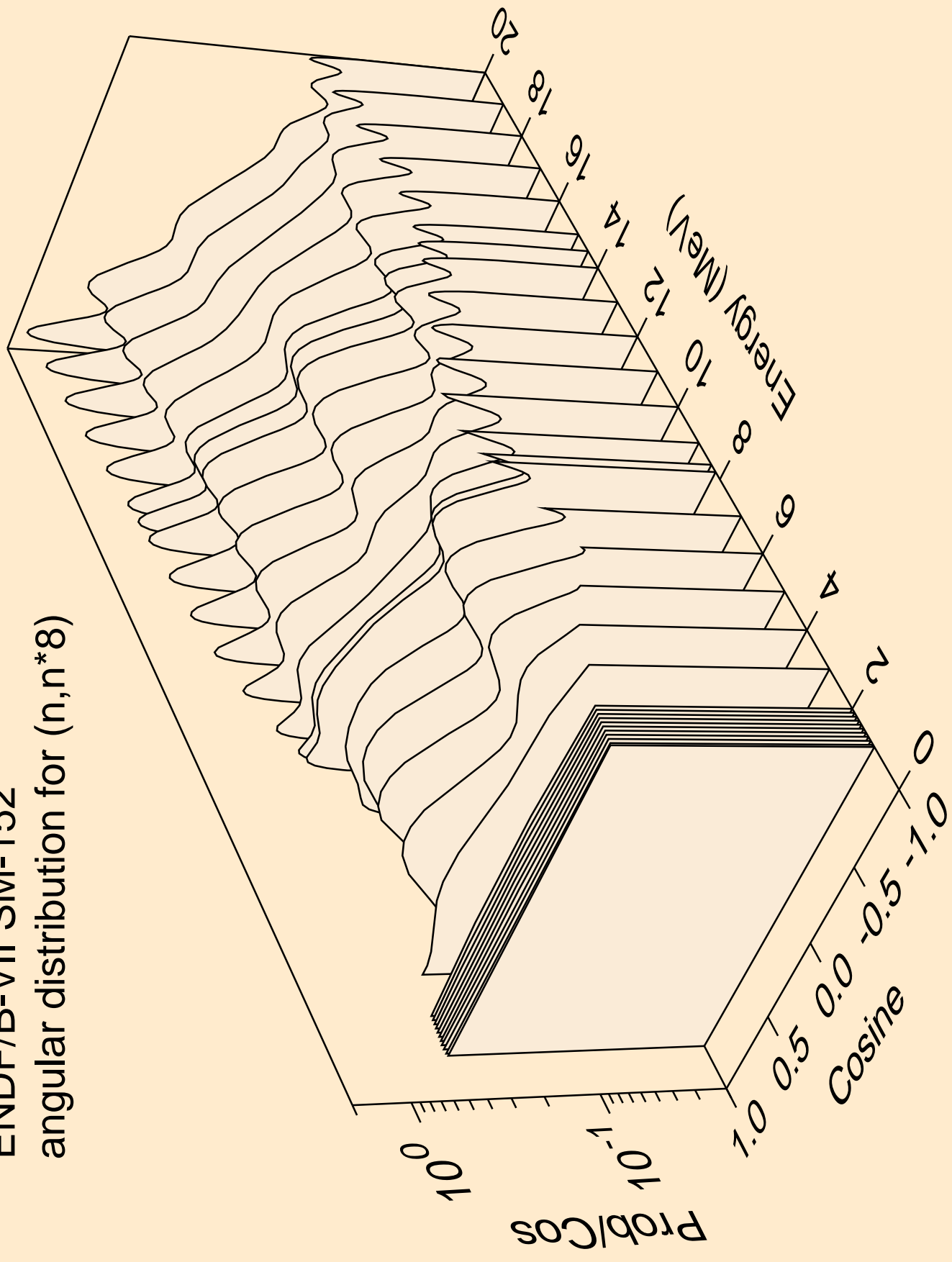
ENDF/B-VII SM-152  
angular distribution for (n,n\*6)



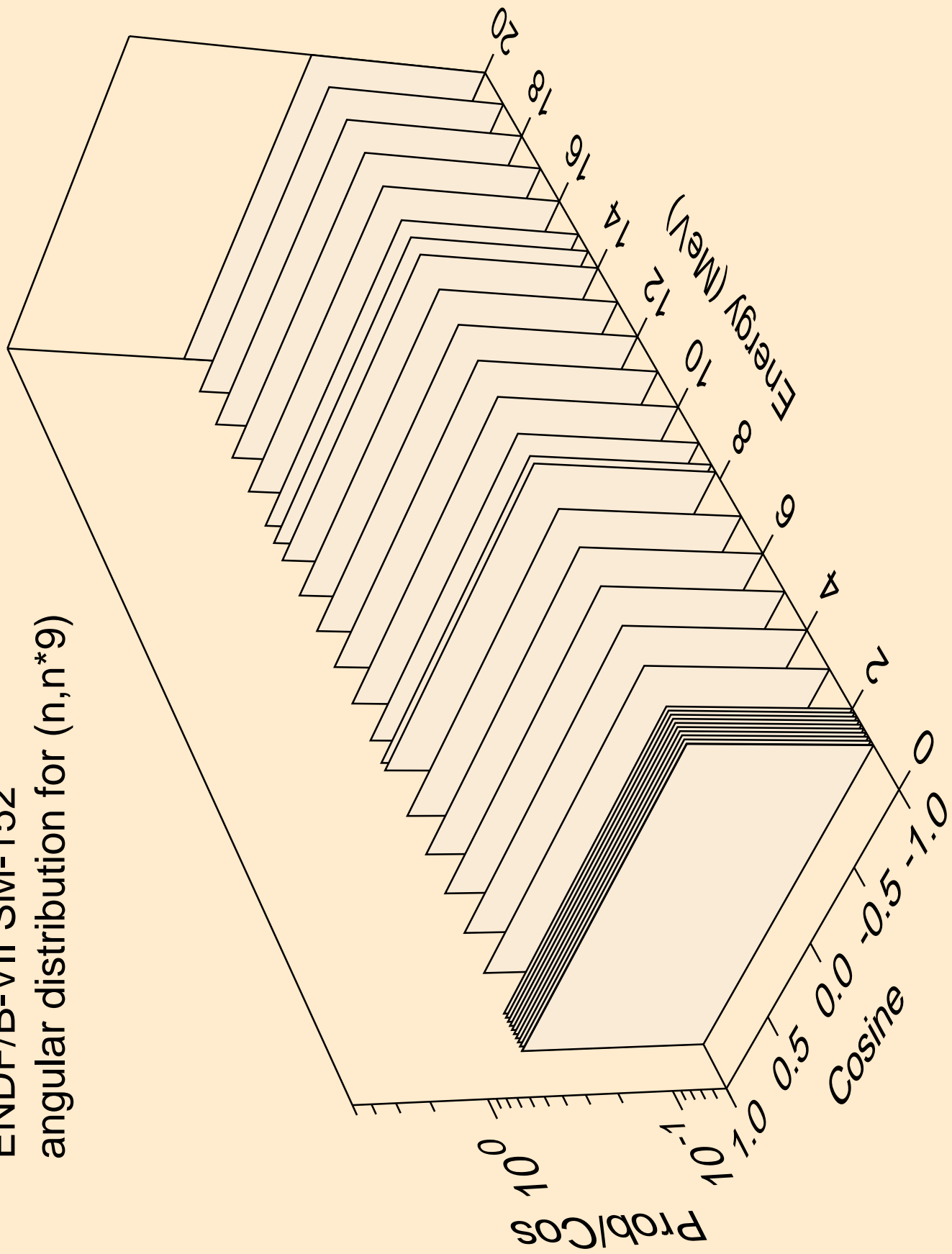
ENDF/B-VII SM-152  
angular distribution for (n,n\*7)



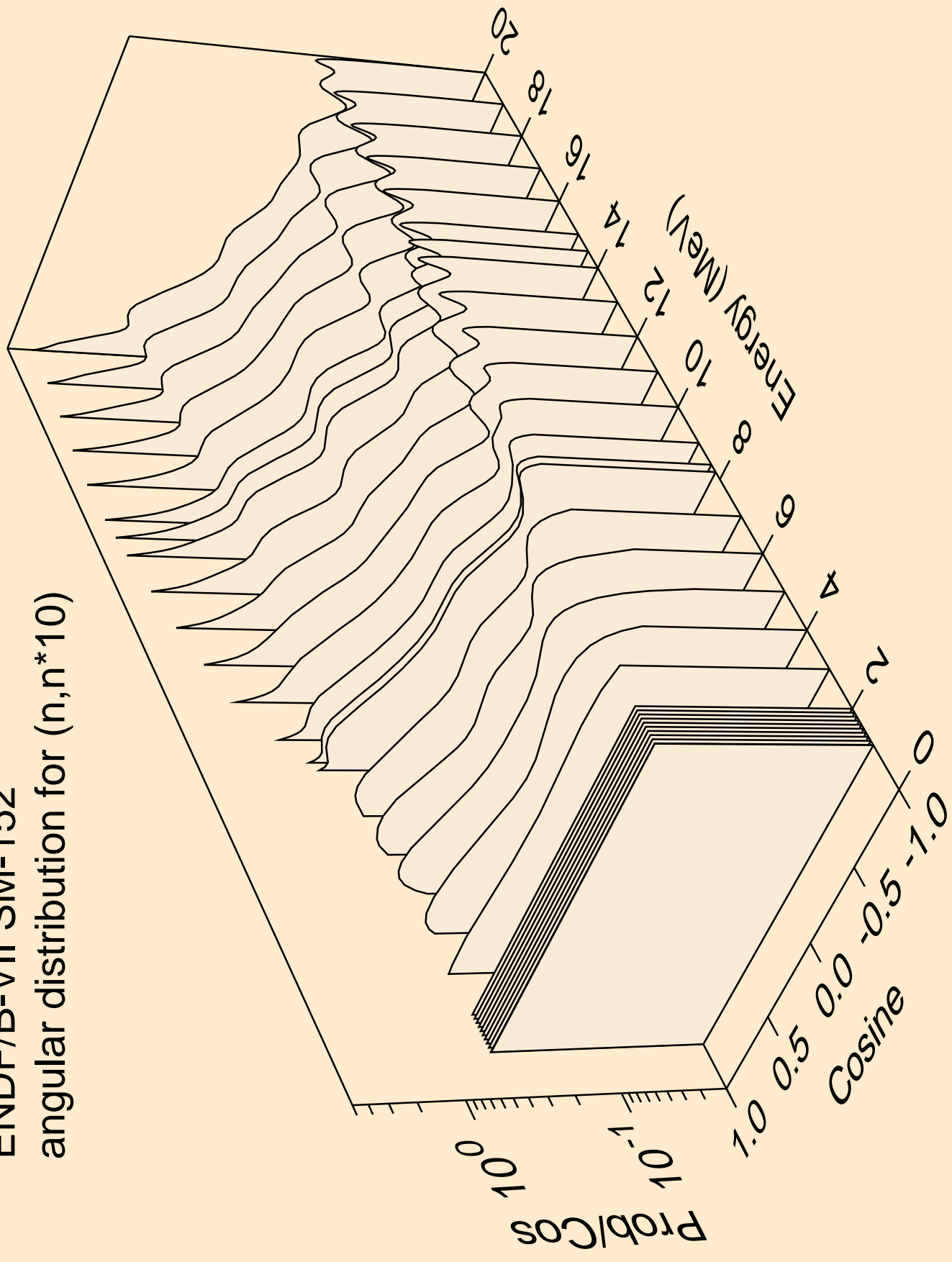
ENDF/B-VII SM-152  
angular distribution for (n,n\*8)



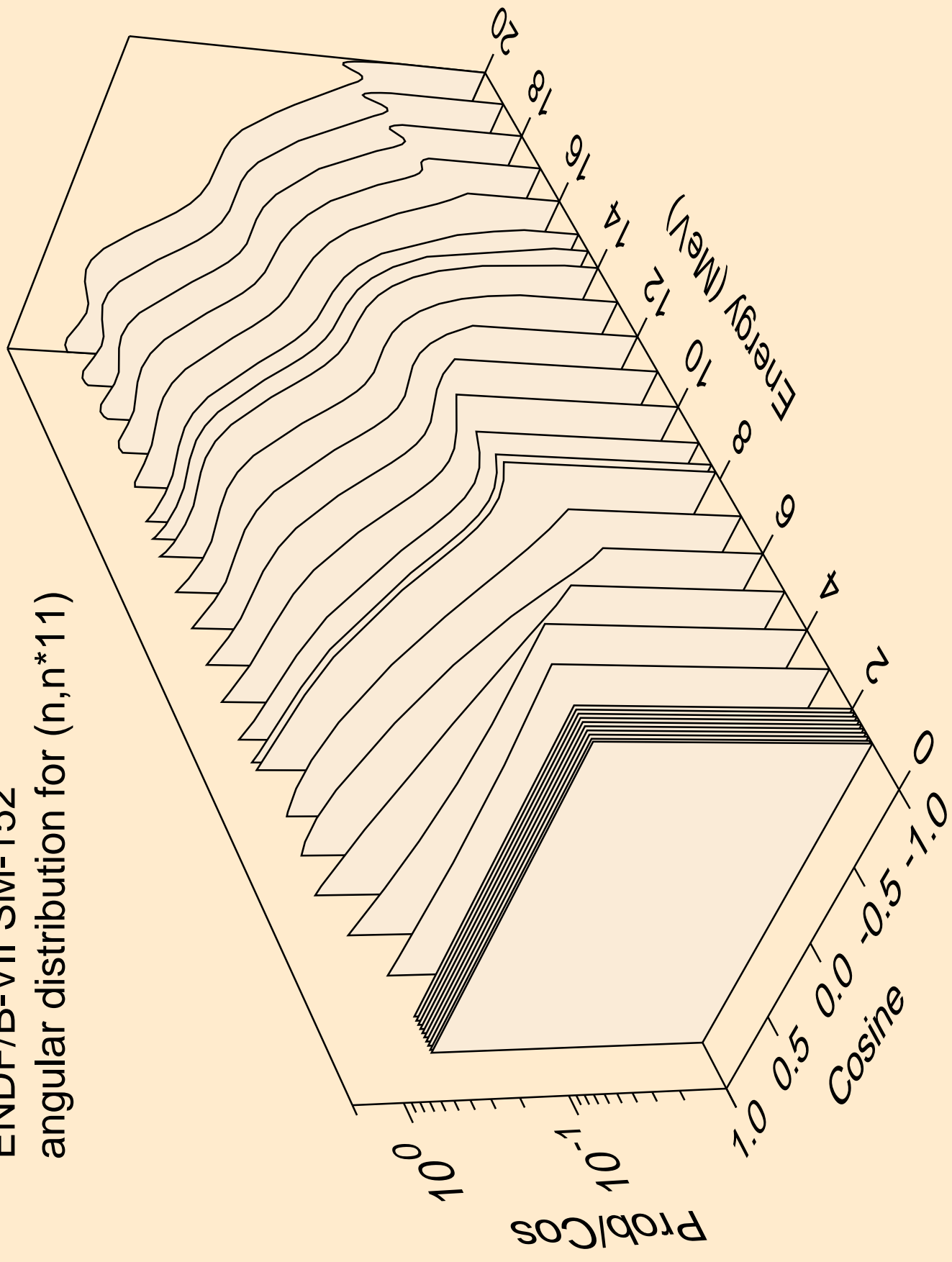
ENDF/B-VII SM-152  
angular distribution for (n,n\*9)



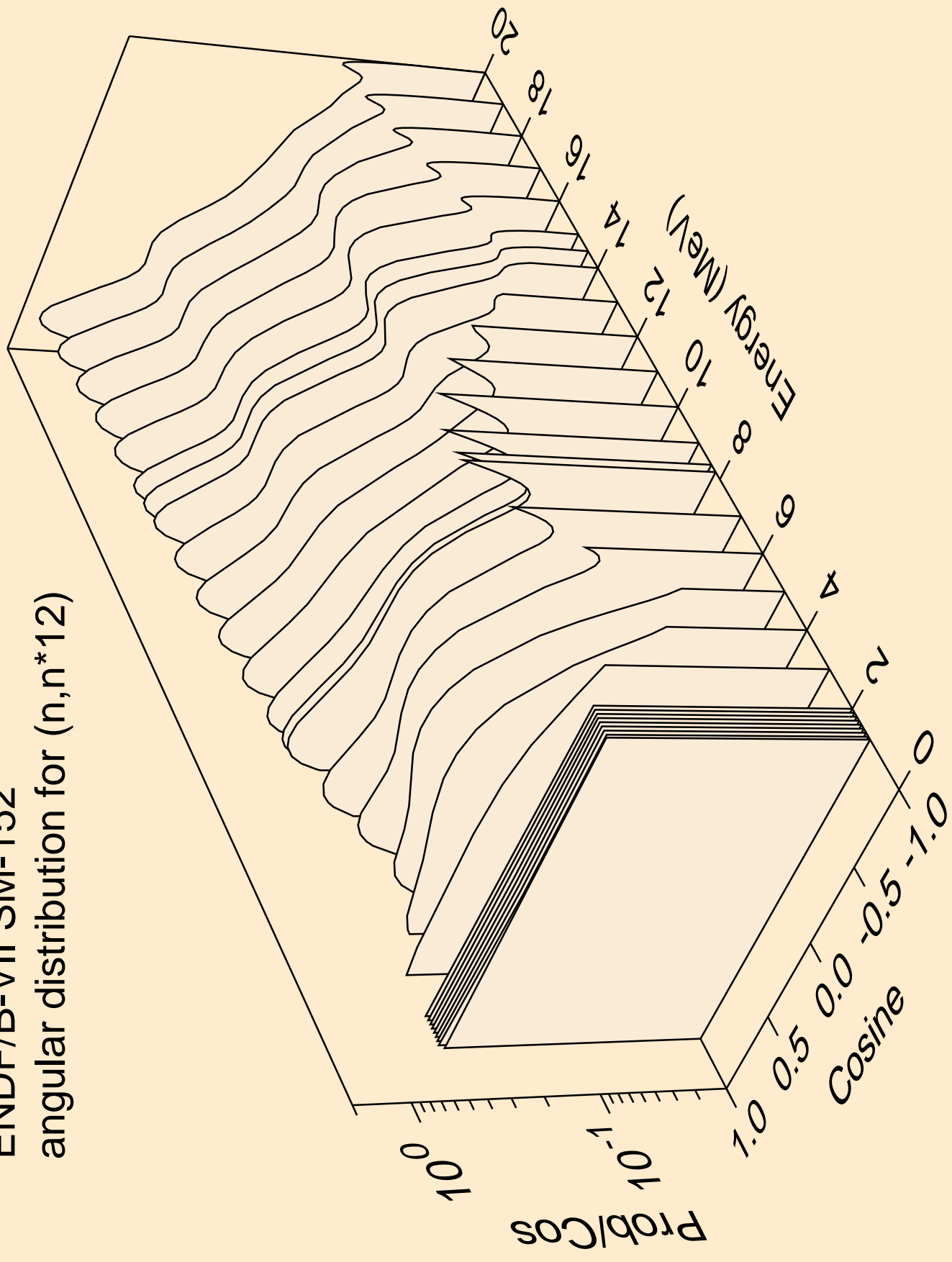
ENDF/B-VII SM-152  
angular distribution for (n,n\*10)



ENDF/B-VII SM-152  
angular distribution for (n,n\*11)

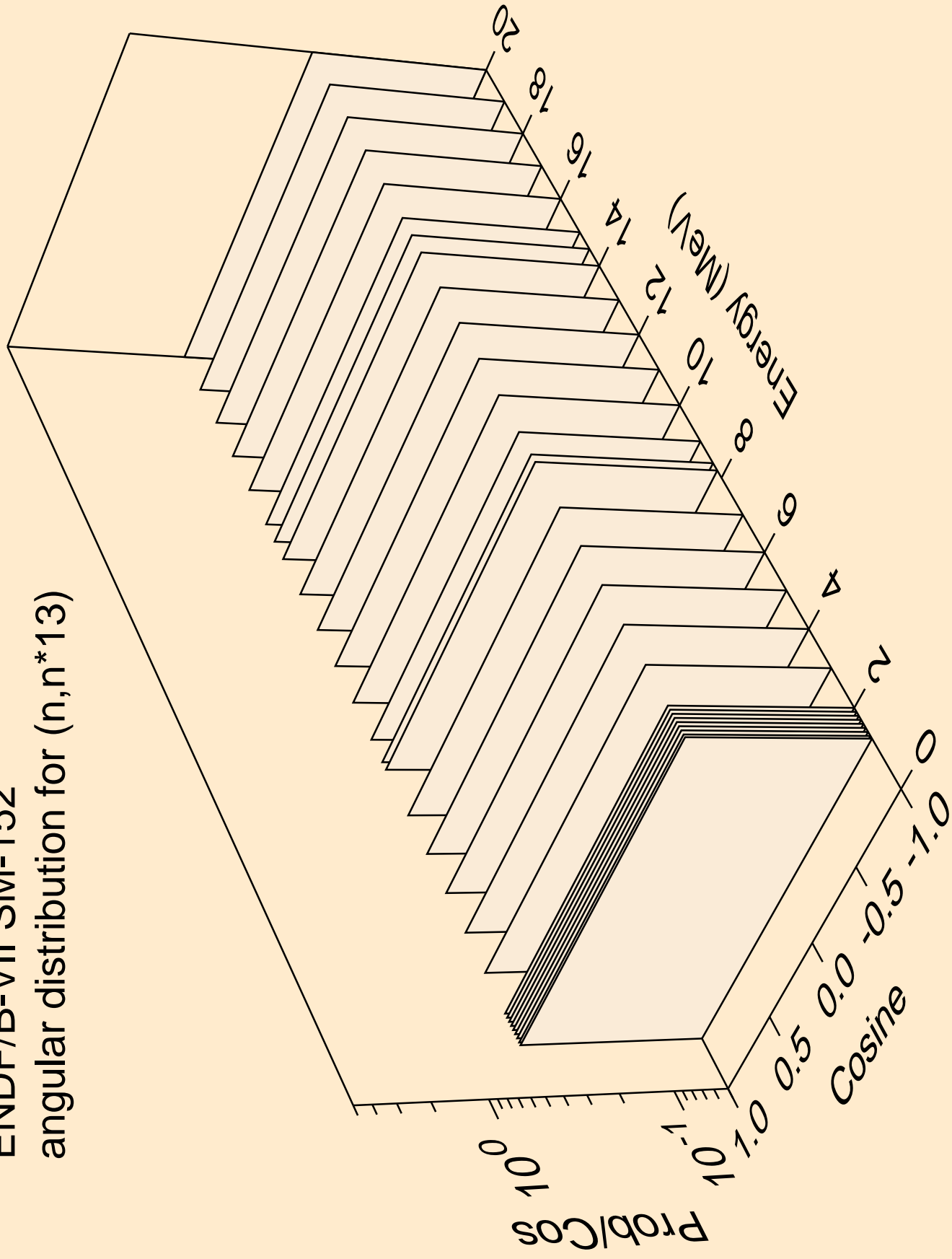


ENDF/B-VII SM-152  
angular distribution for (n,n\*12)

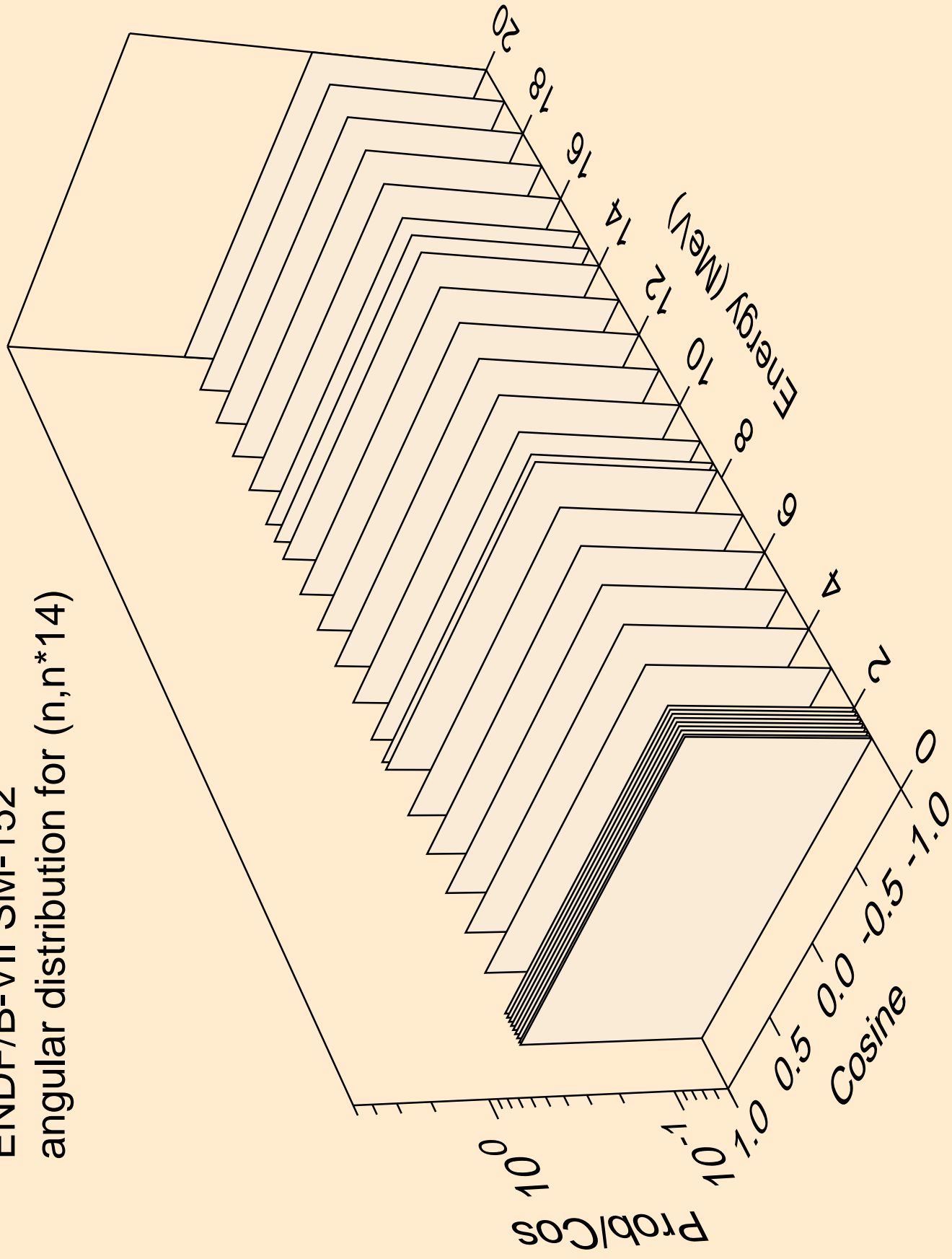




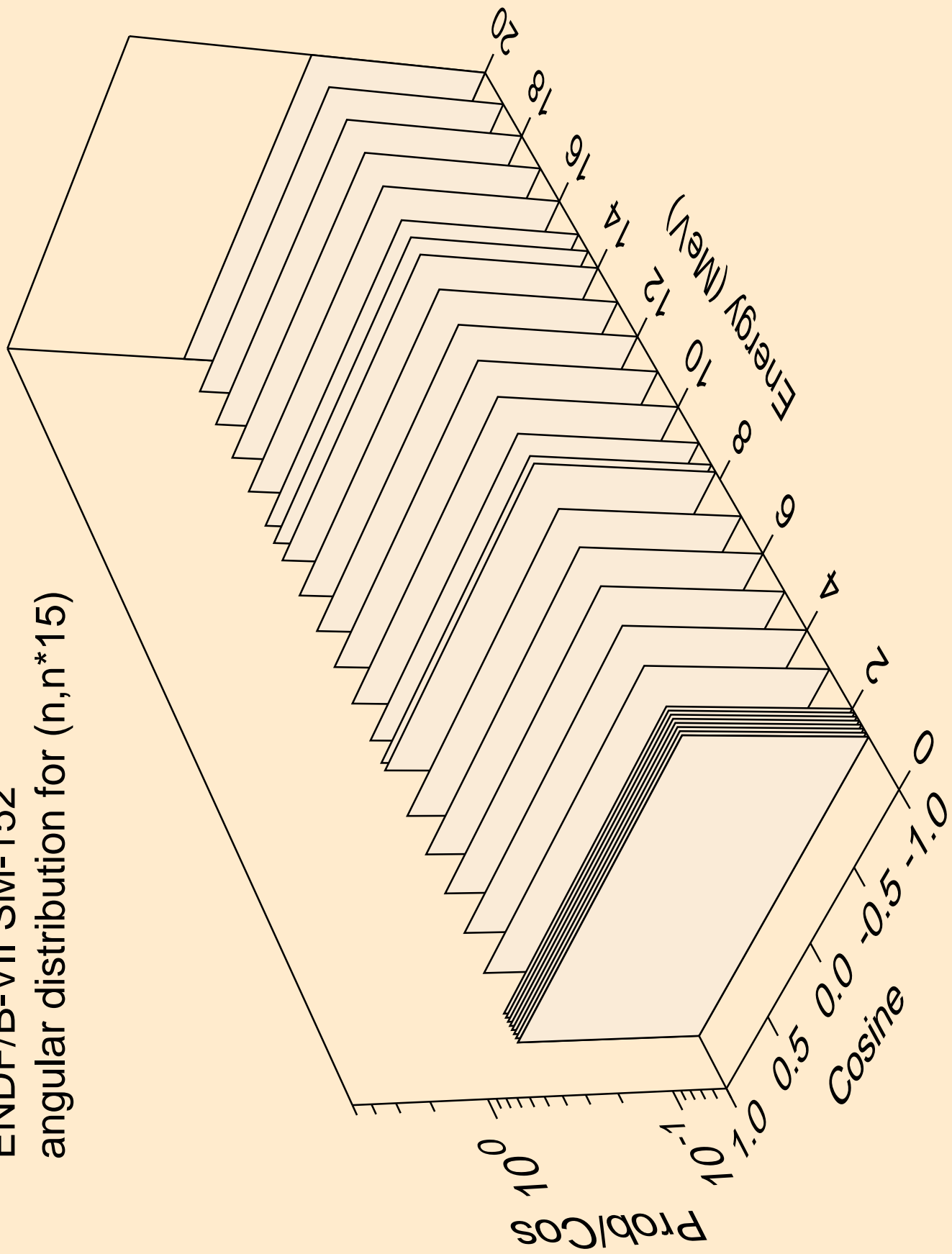
ENDF/B-VII SM-152  
angular distribution for (n,n\*13)



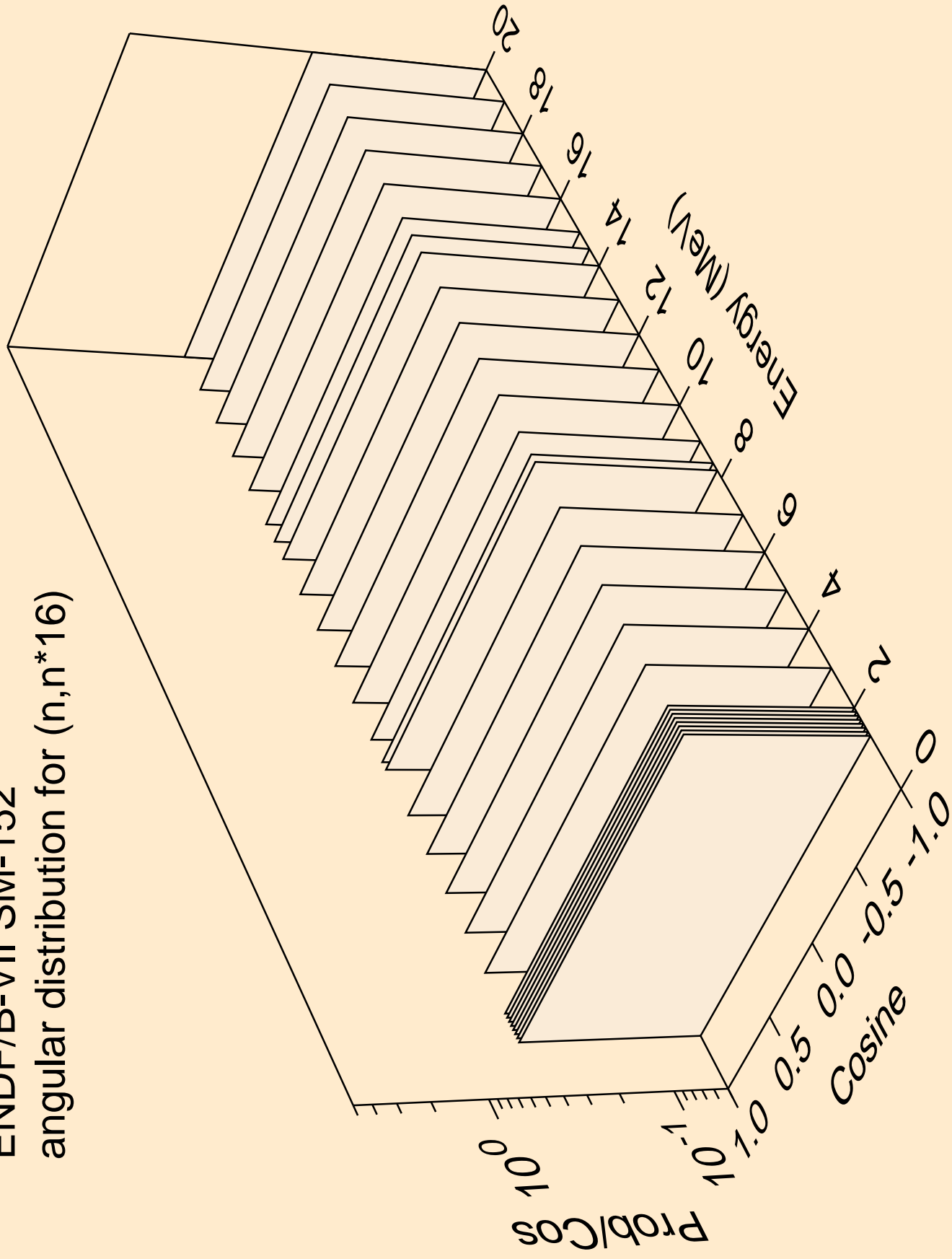
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angular distribution for (n,n\*14)



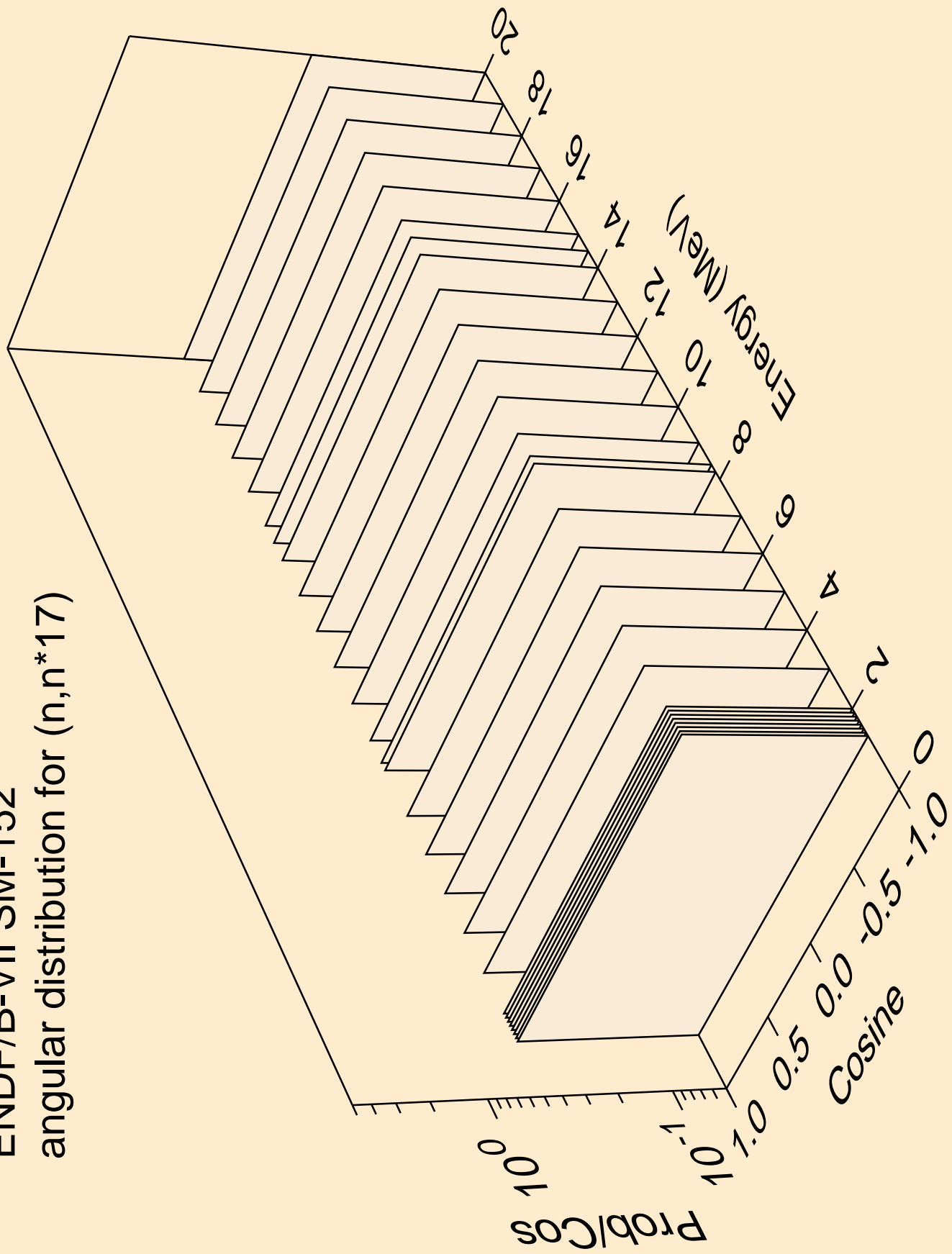
ENDF/B-VII SM-152  
angular distribution for (n,n\*15)



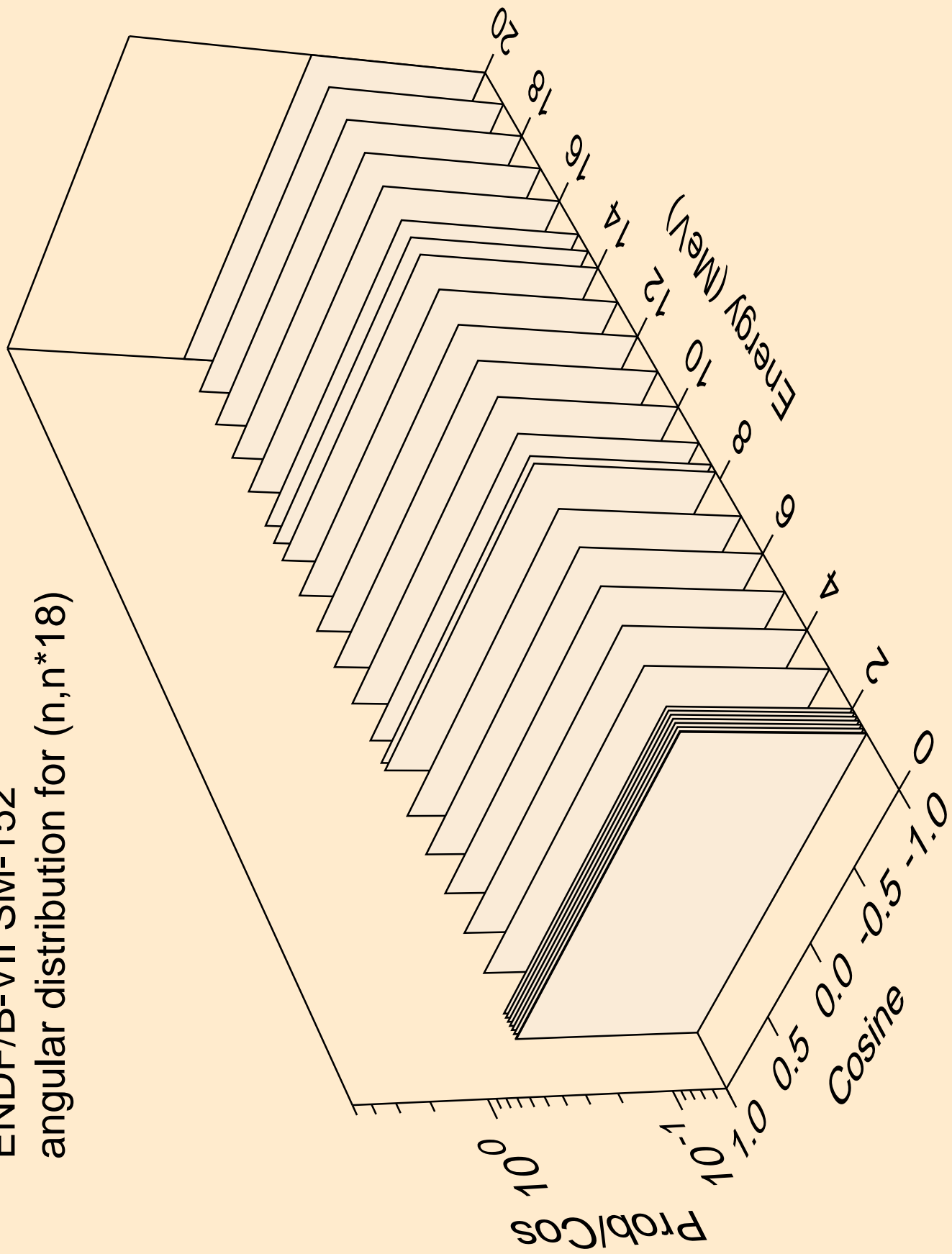
ENDF/B-VII SM-152  
angular distribution for (n,n\*16)



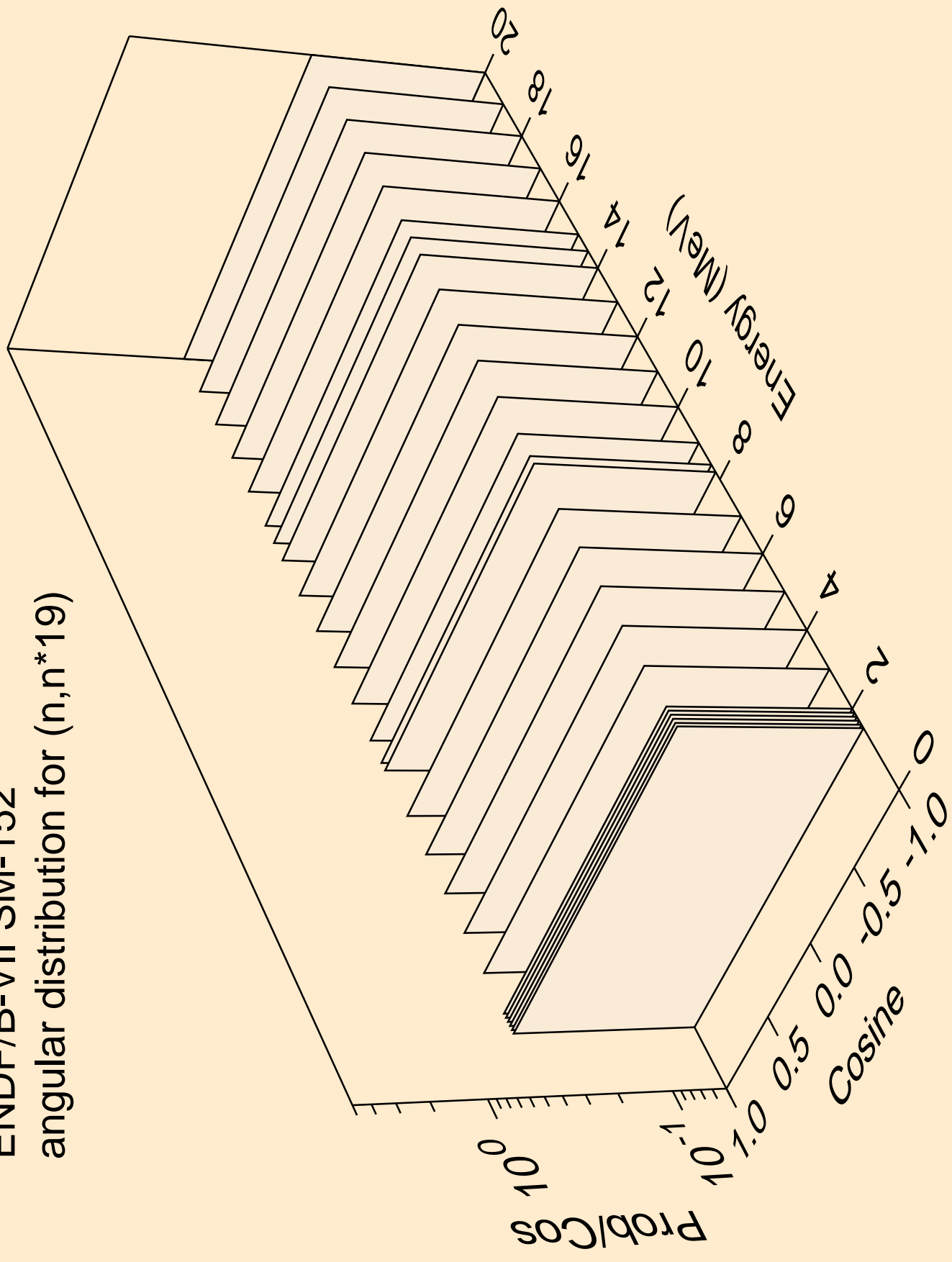
ENDF/B-VII SM-152  
angular distribution for (n,n\*17)



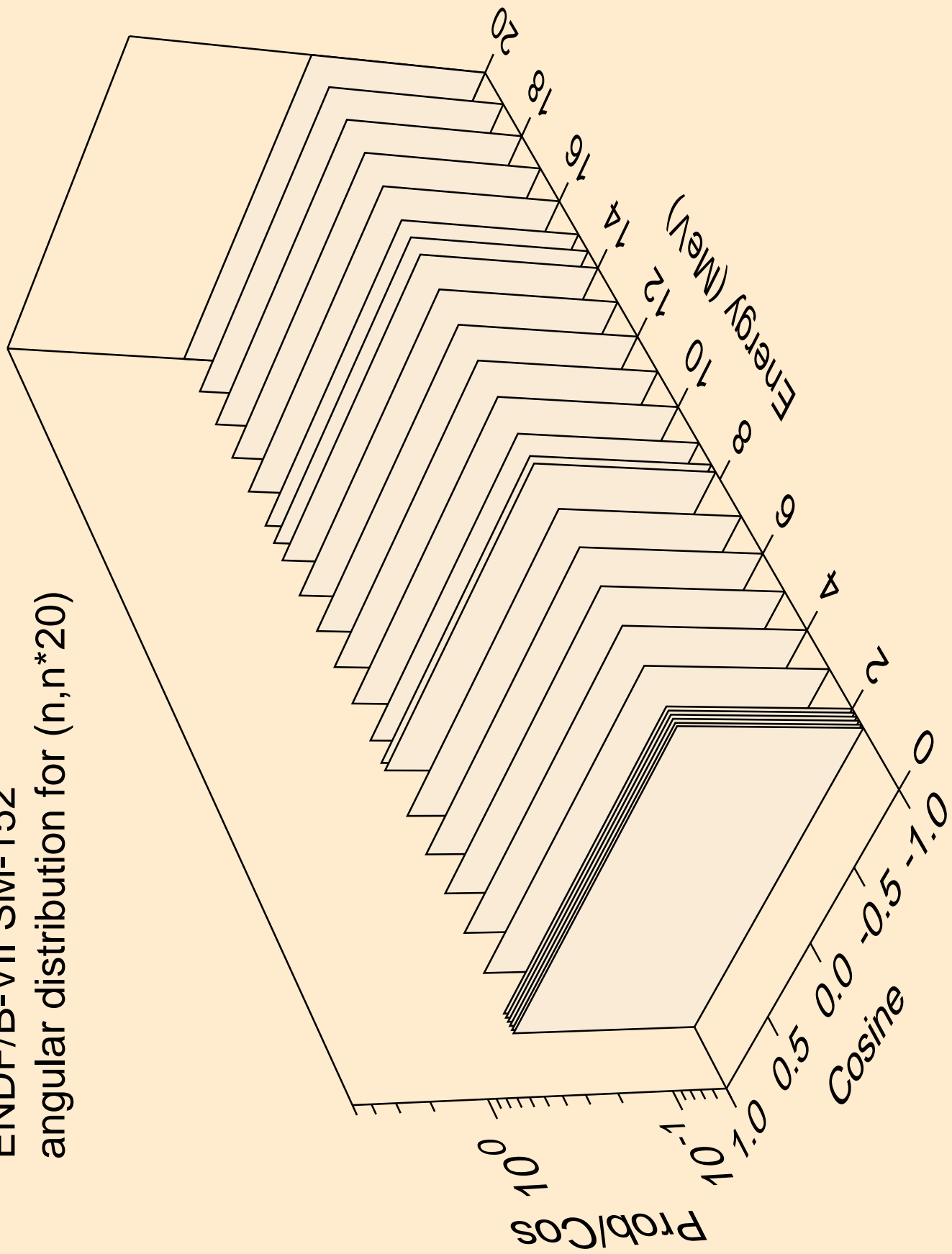
ENDF/B-VII SM-152  
angular distribution for (n,n\*18)



ENDF/B-VII SM-152  
angular distribution for (n,n\*19)

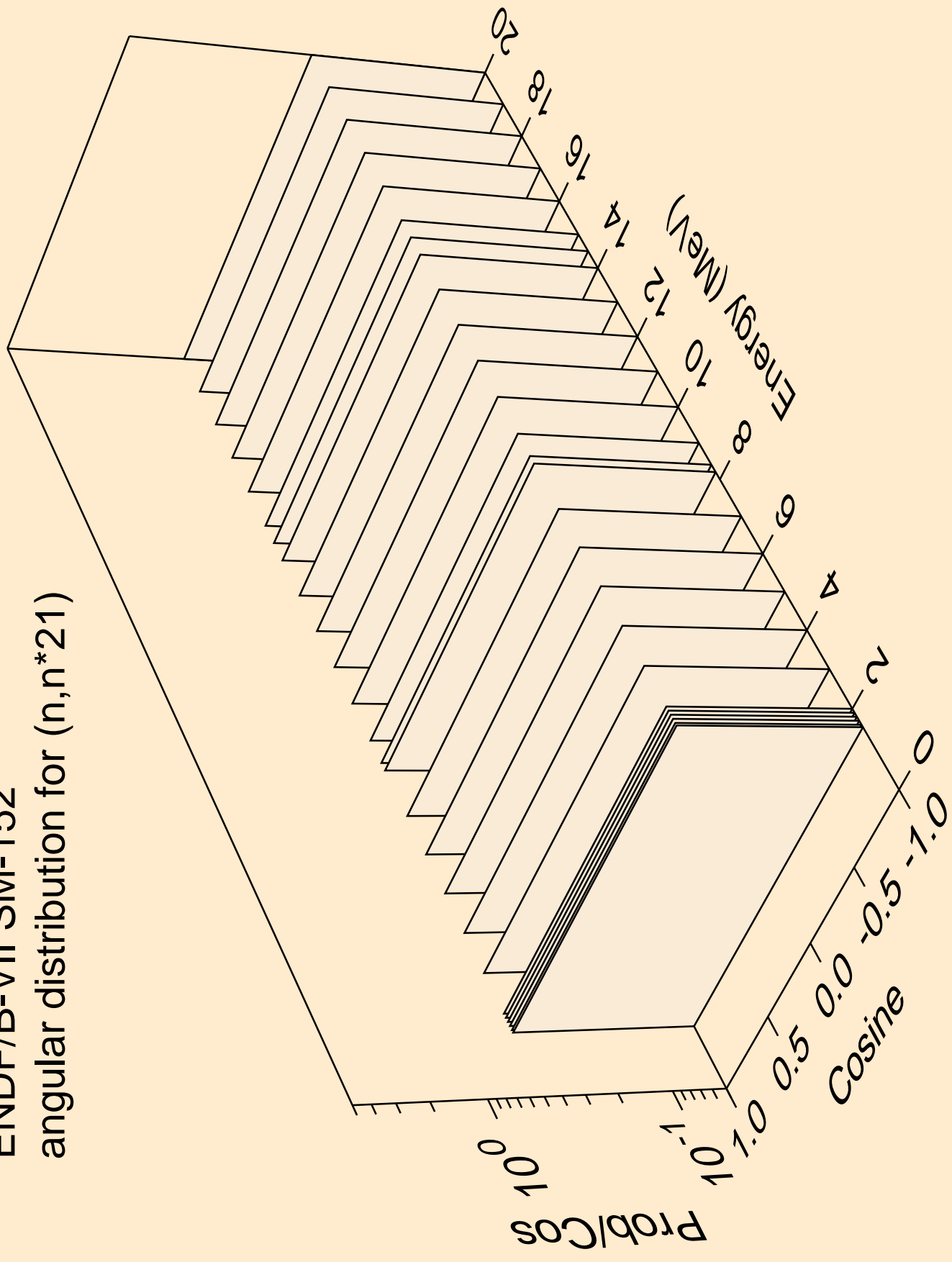


ENDF/B-VII SM-152  
angular distribution for (n,n\*20)

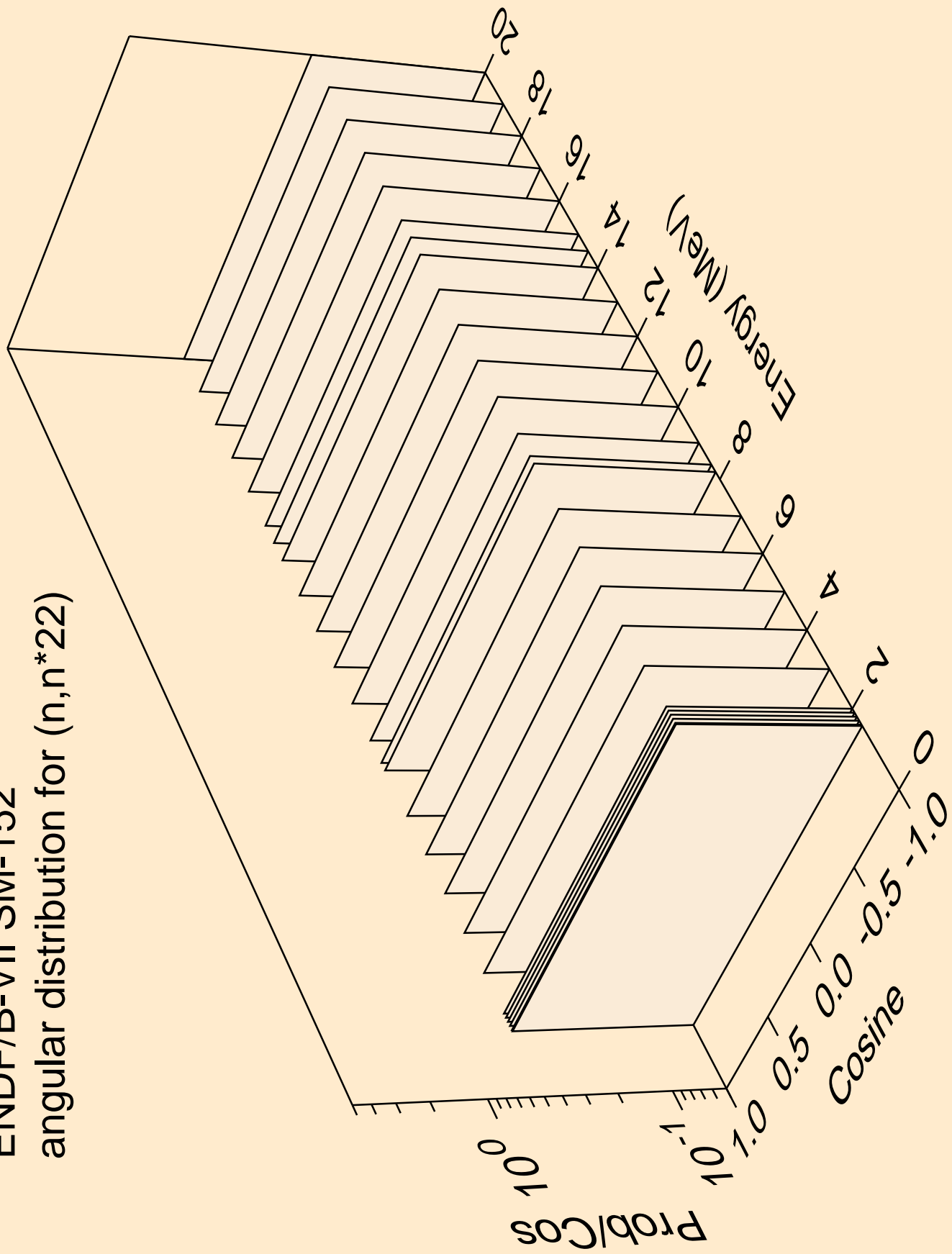




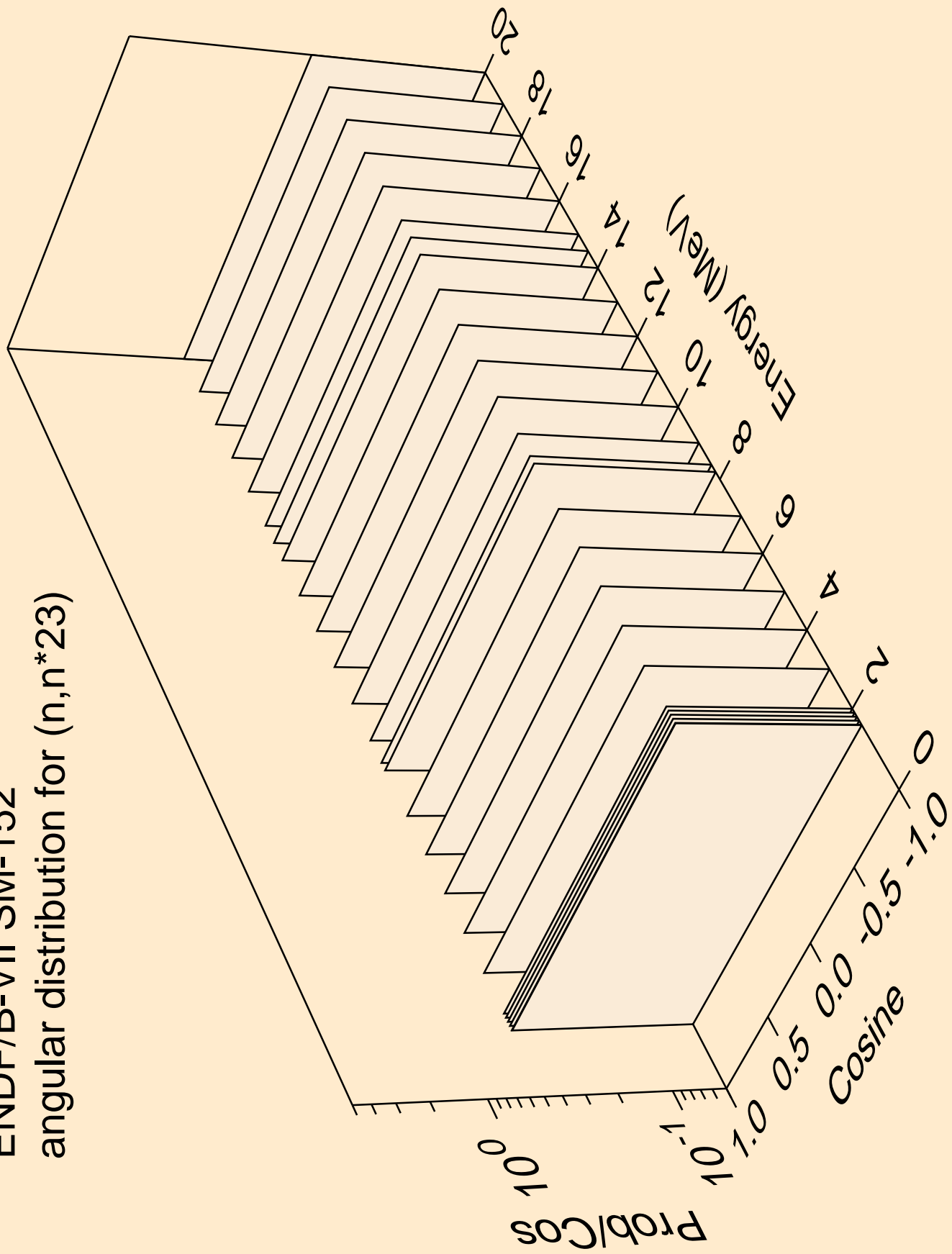
ENDF/B-VII SM-152  
angular distribution for (n,n\*21)



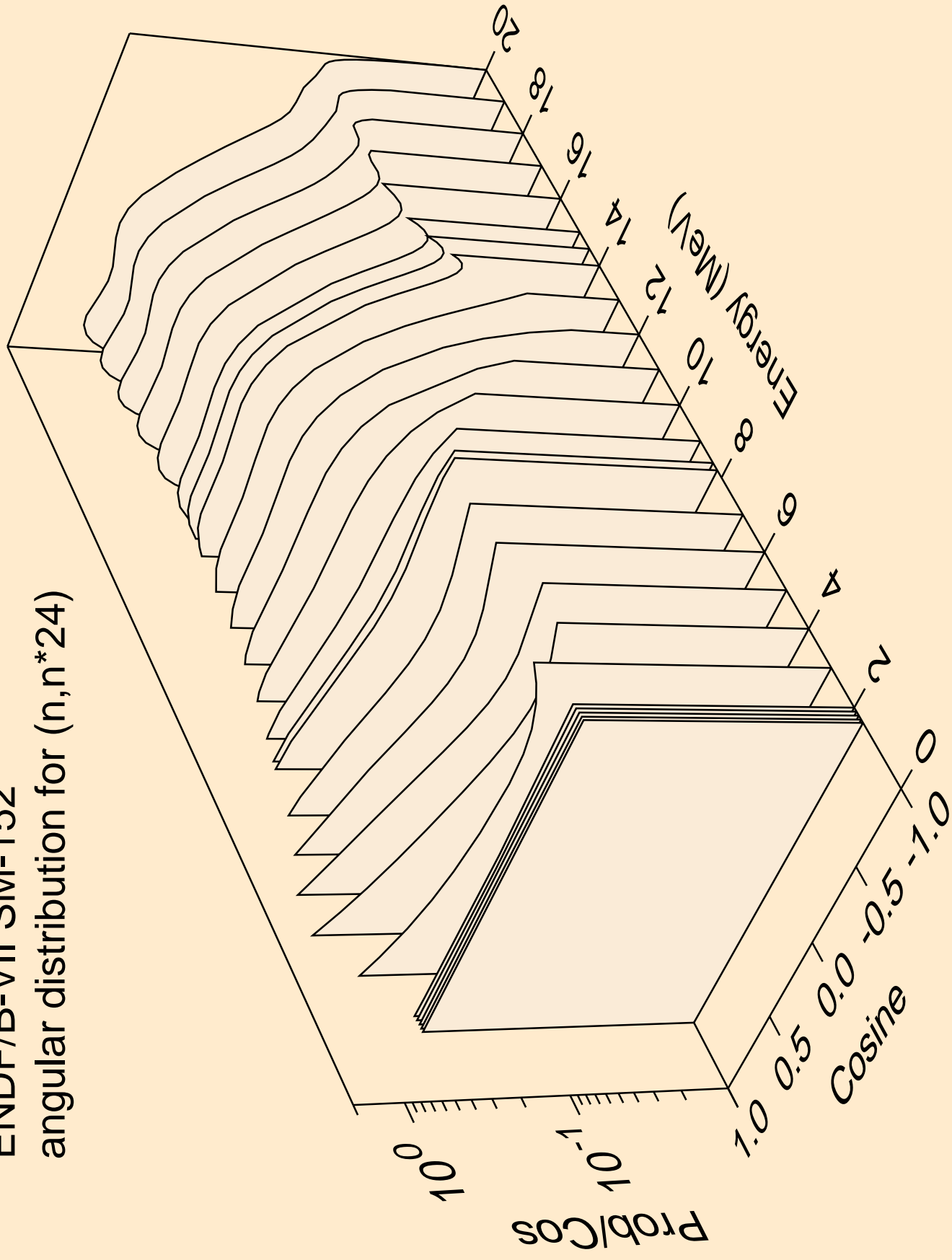
ENDF/B-VII SM-152  
angular distribution for (n,n\*22)



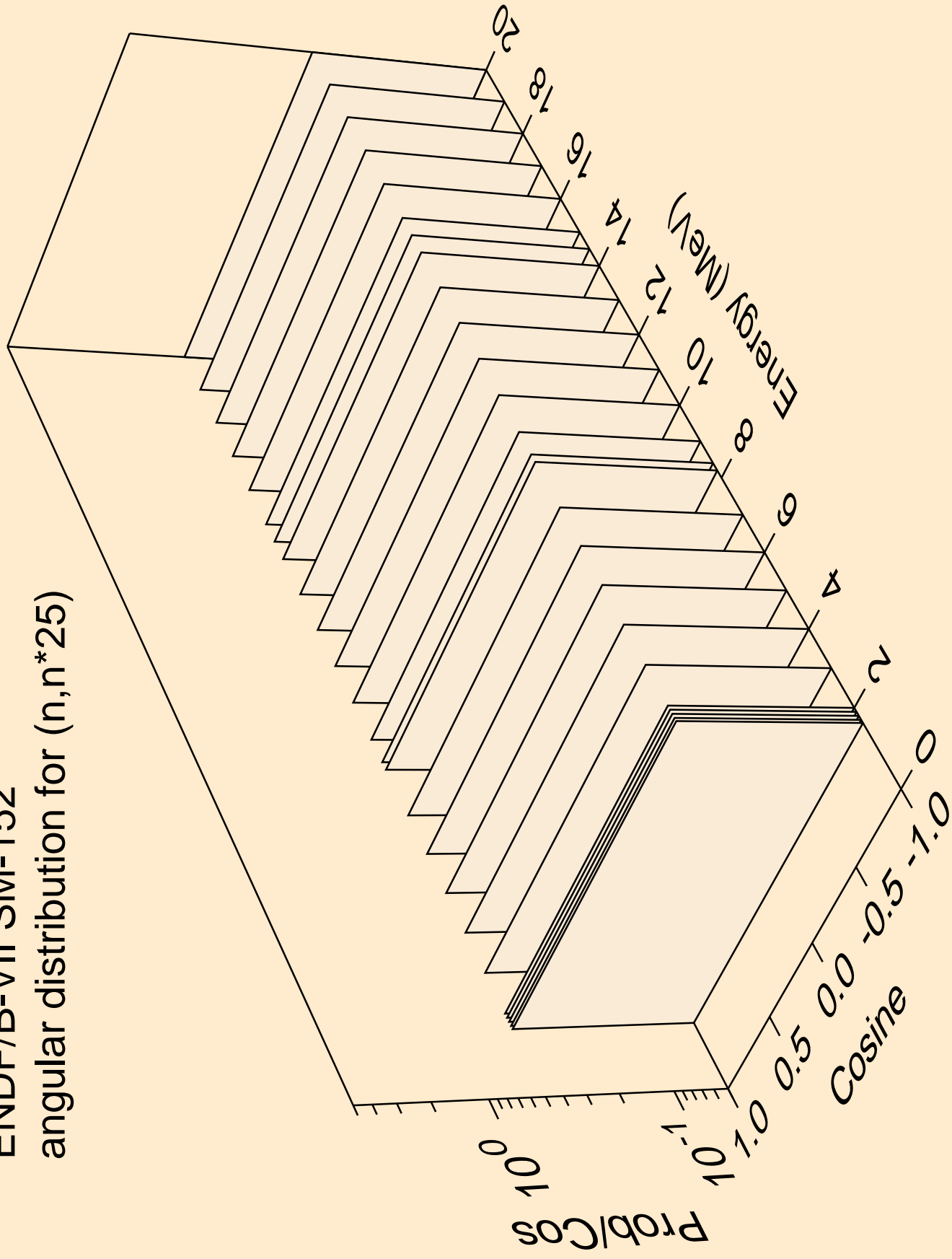
ENDF/B-VII SM-152  
angular distribution for (n,n\*23)



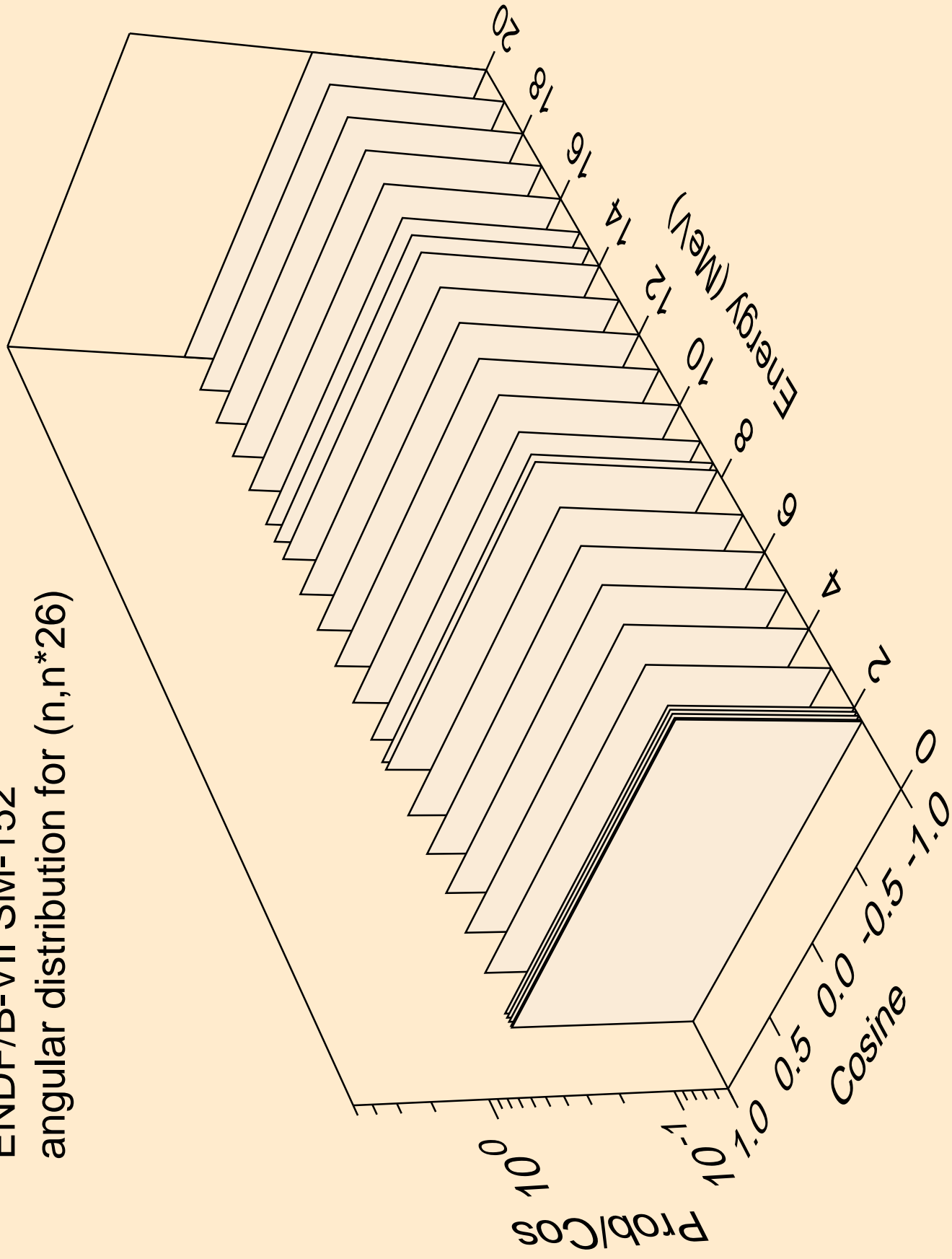
ENDF/B-VII SM-152  
angular distribution for (n,n\*24)



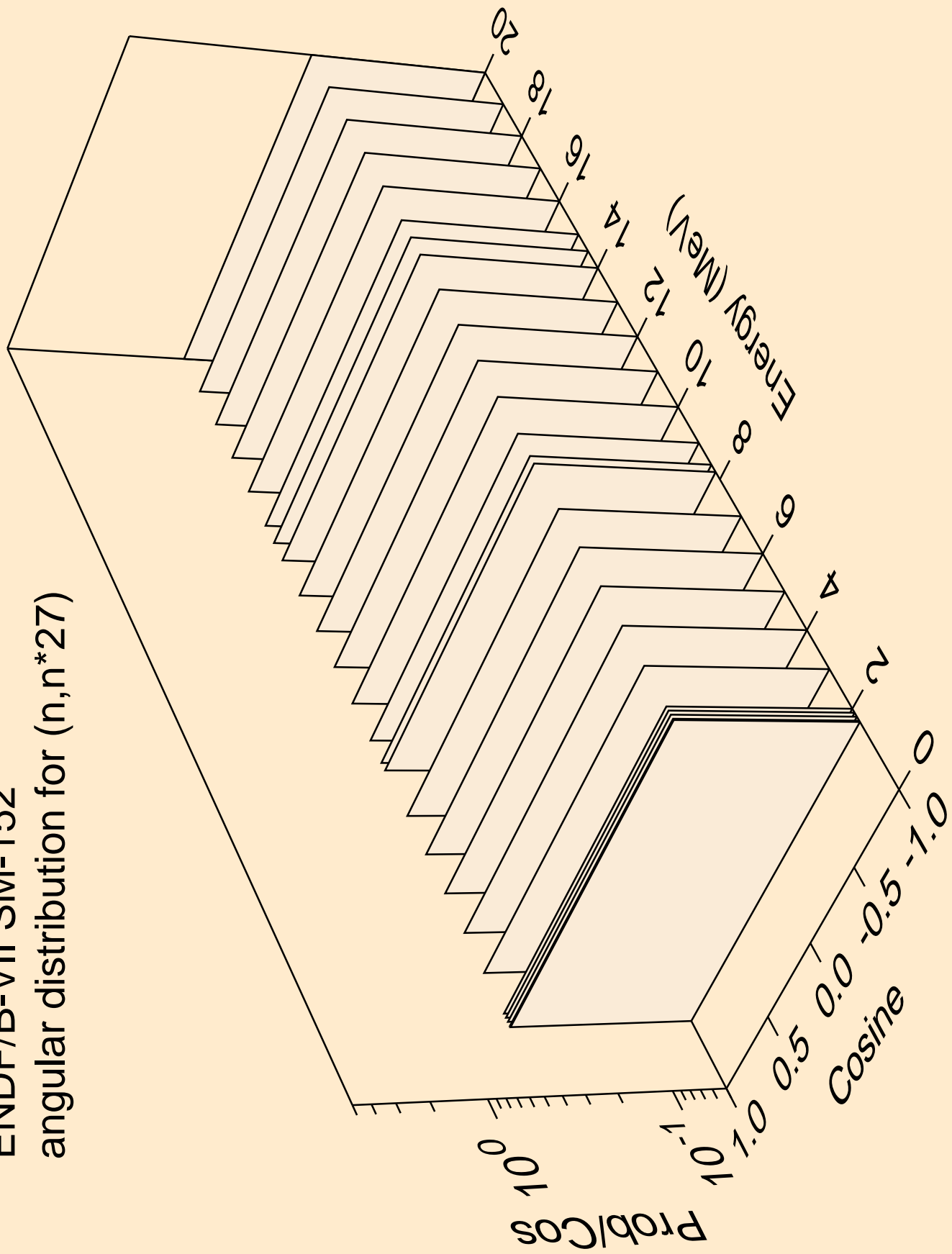
ENDF/B-VII SM-152  
angular distribution for (n,n\*25)



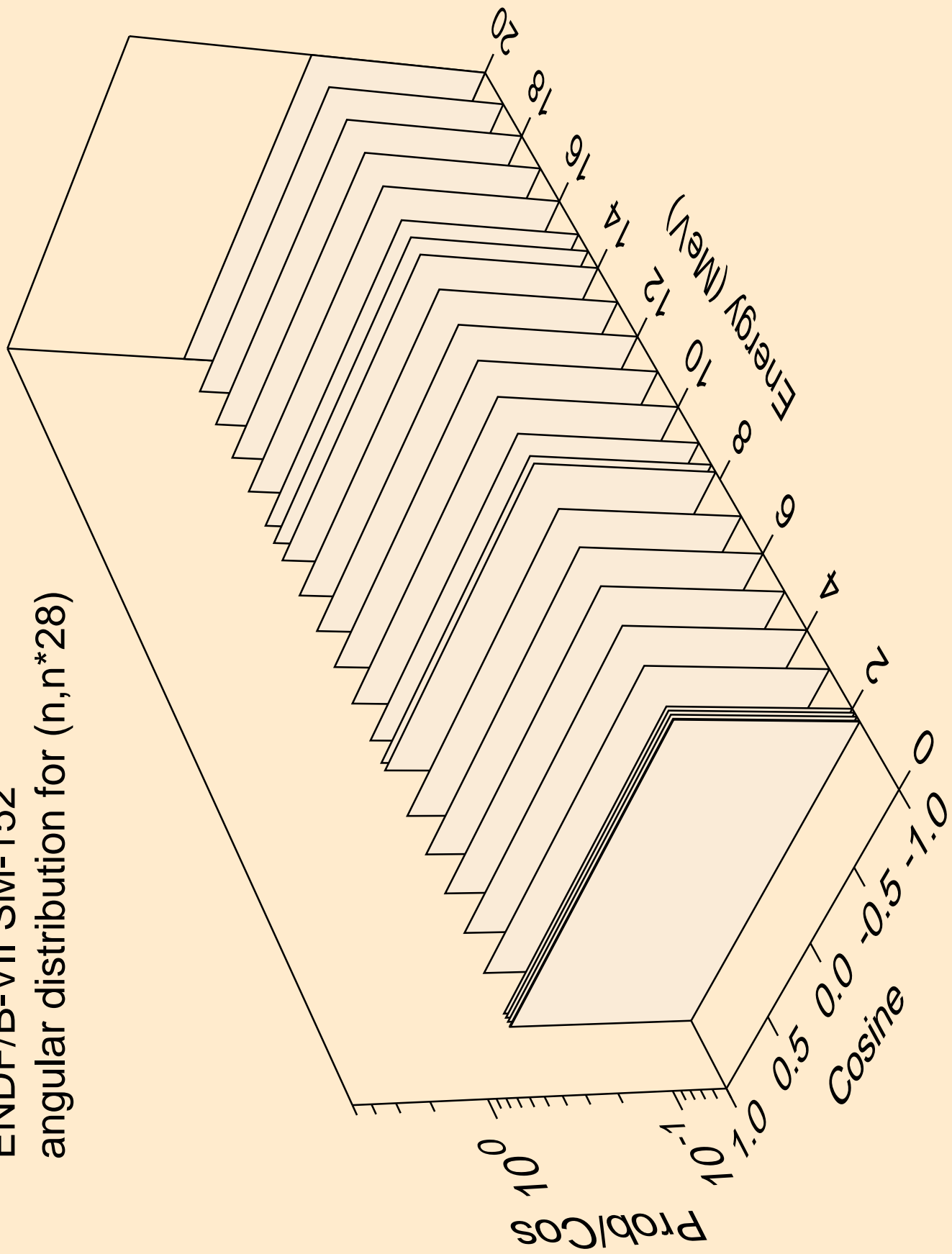
ENDF/B-VII SM-152  
angular distribution for (n,n\*26)



ENDF/B-VII SM-152  
angular distribution for (n,n\*27)

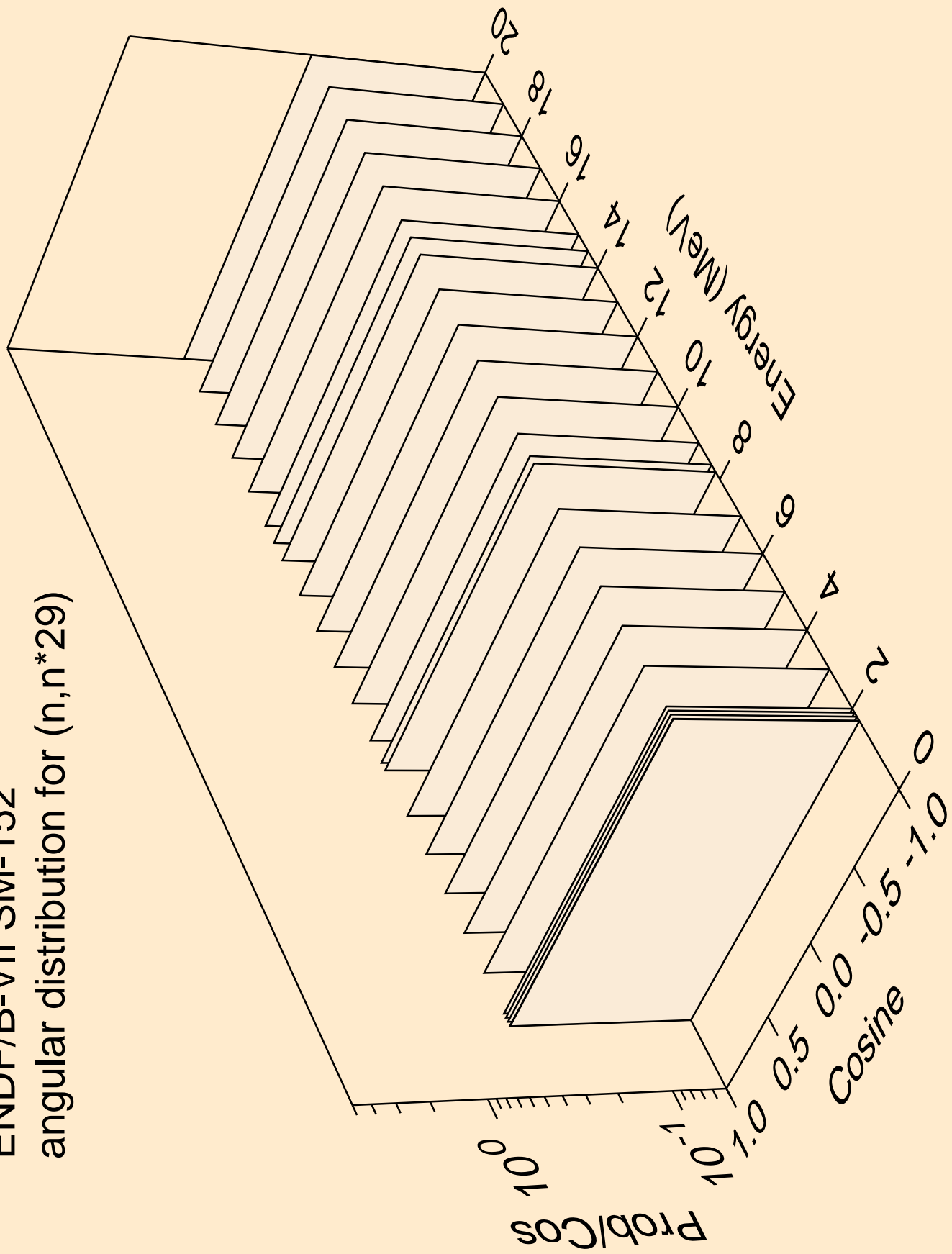


ENDF/B-VII SM-152  
angular distribution for (n,n\*28)

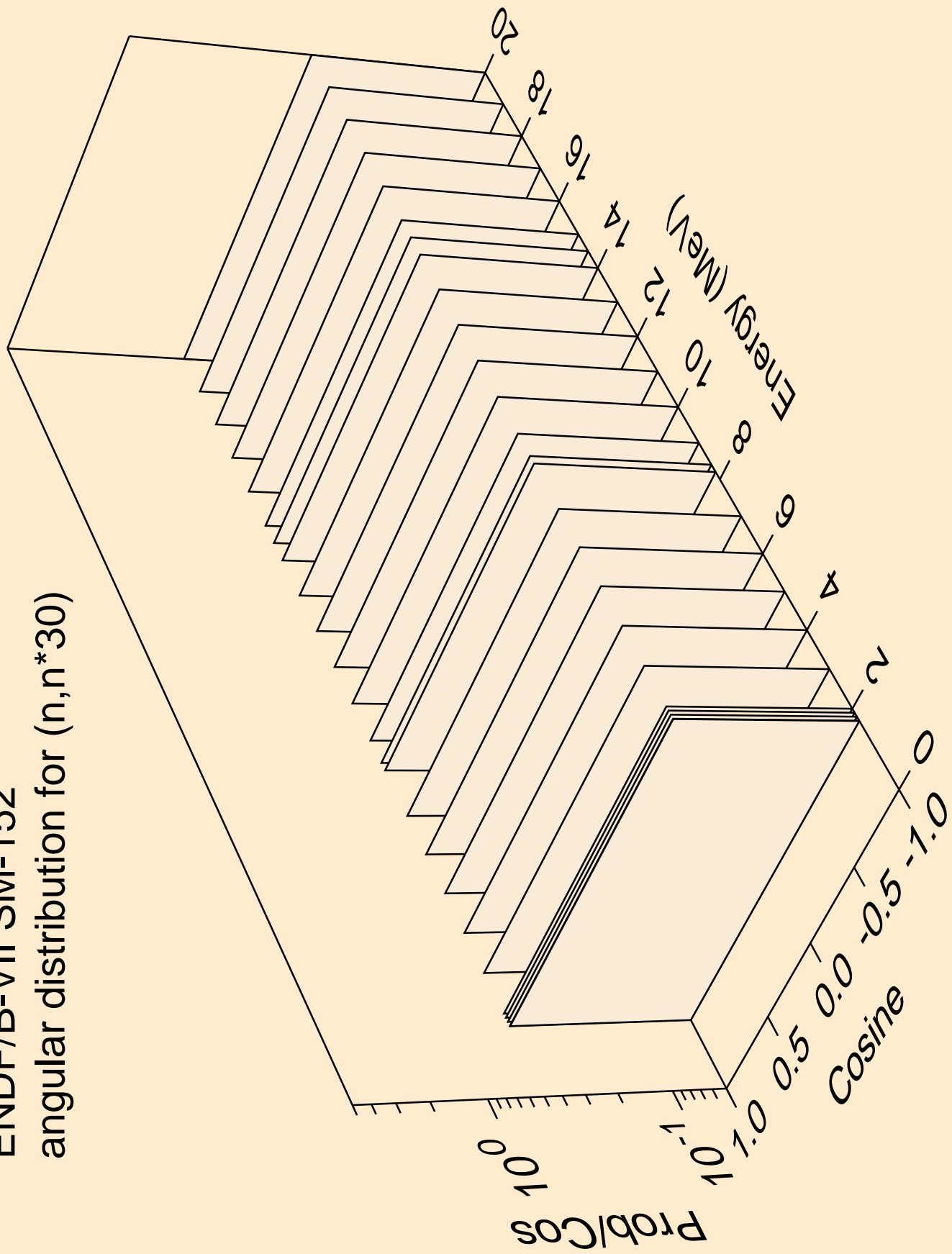




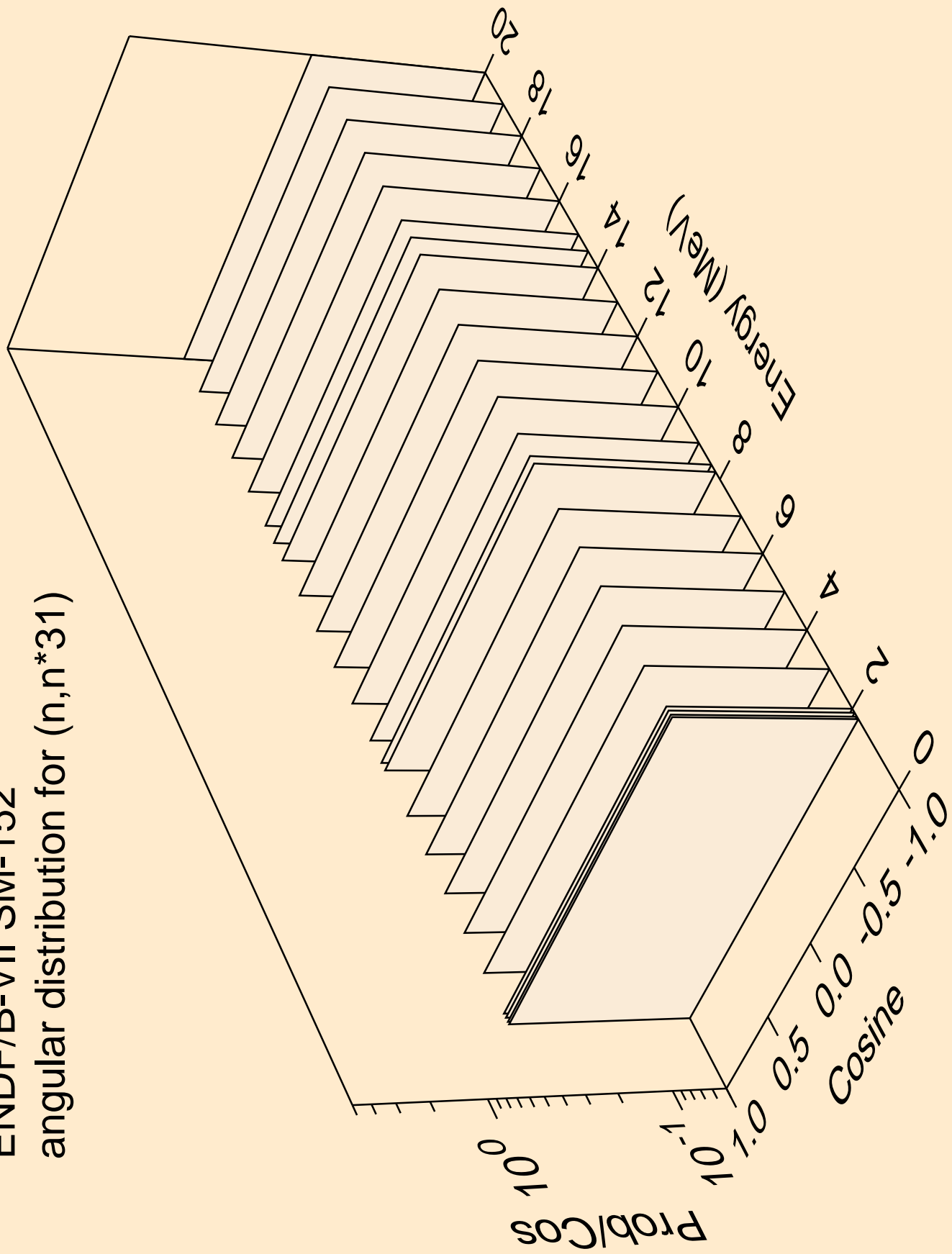
ENDF/B-VII SM-152  
angular distribution for (n,n\*29)



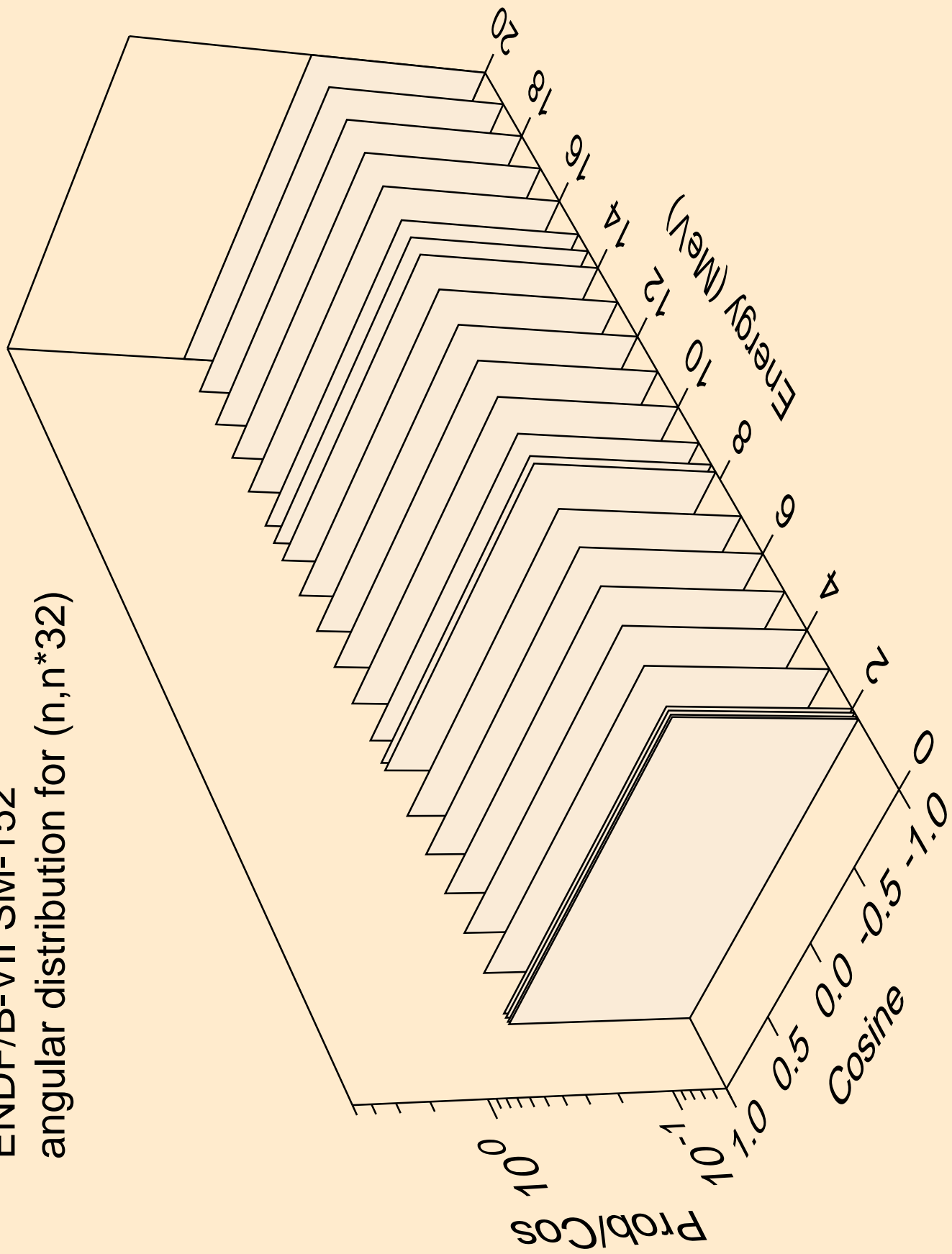
ENDF/B-VII SM-152  
angular distribution for (n,n\*30)



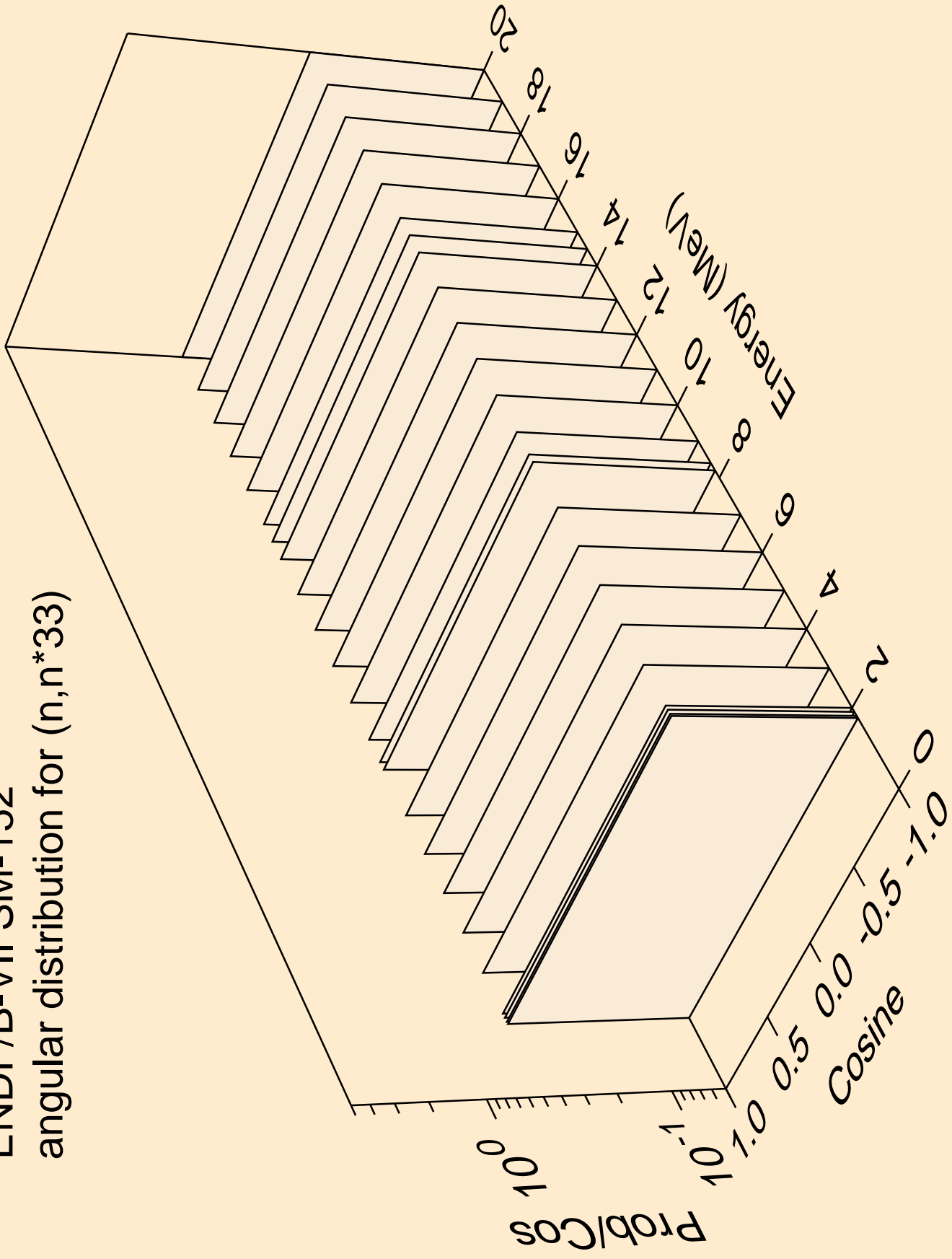
ENDF/B-VII SM-152  
angular distribution for (n,n\*31)



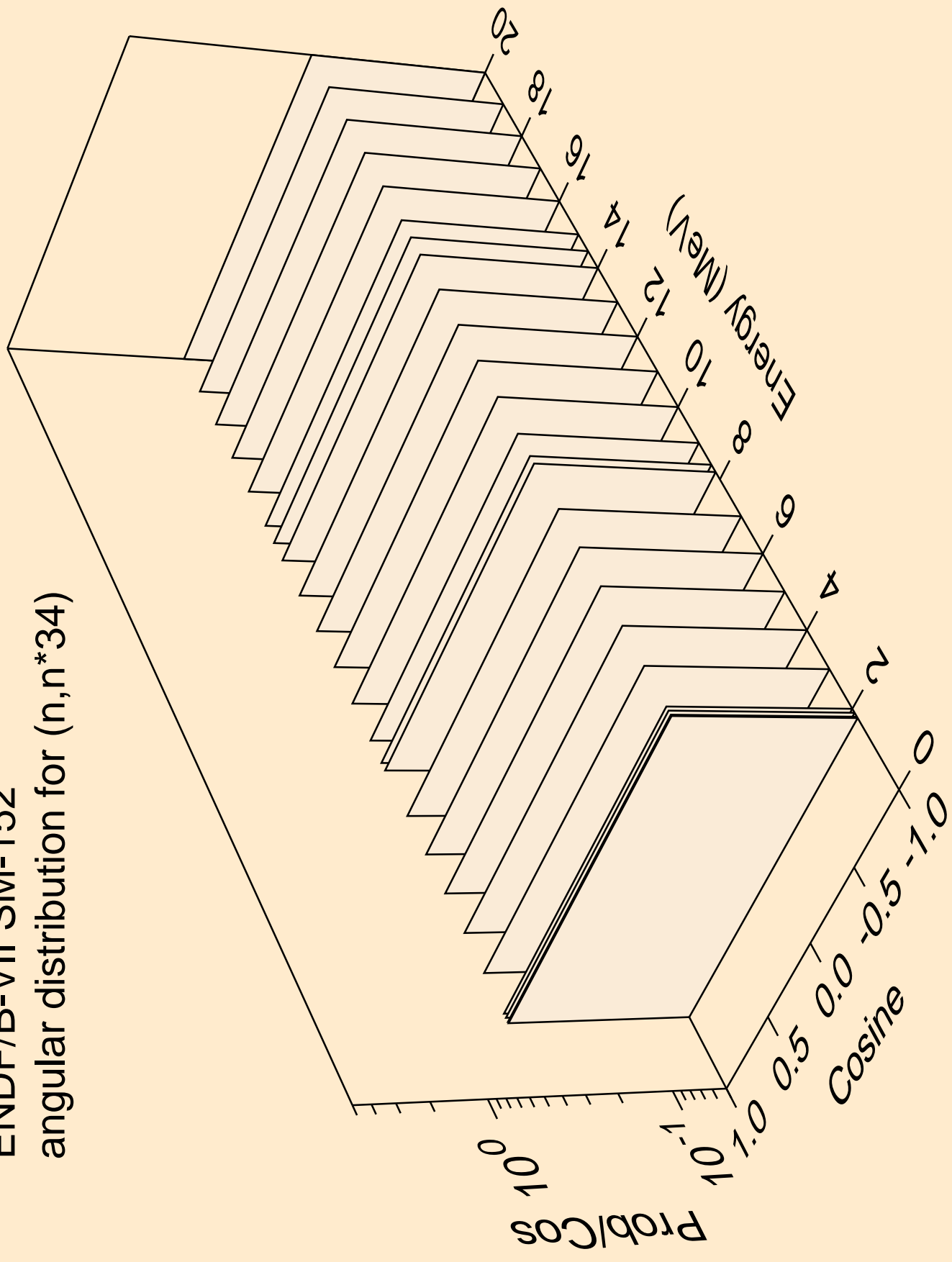
ENDF/B-VII SM-152  
angular distribution for (n,n\*32)



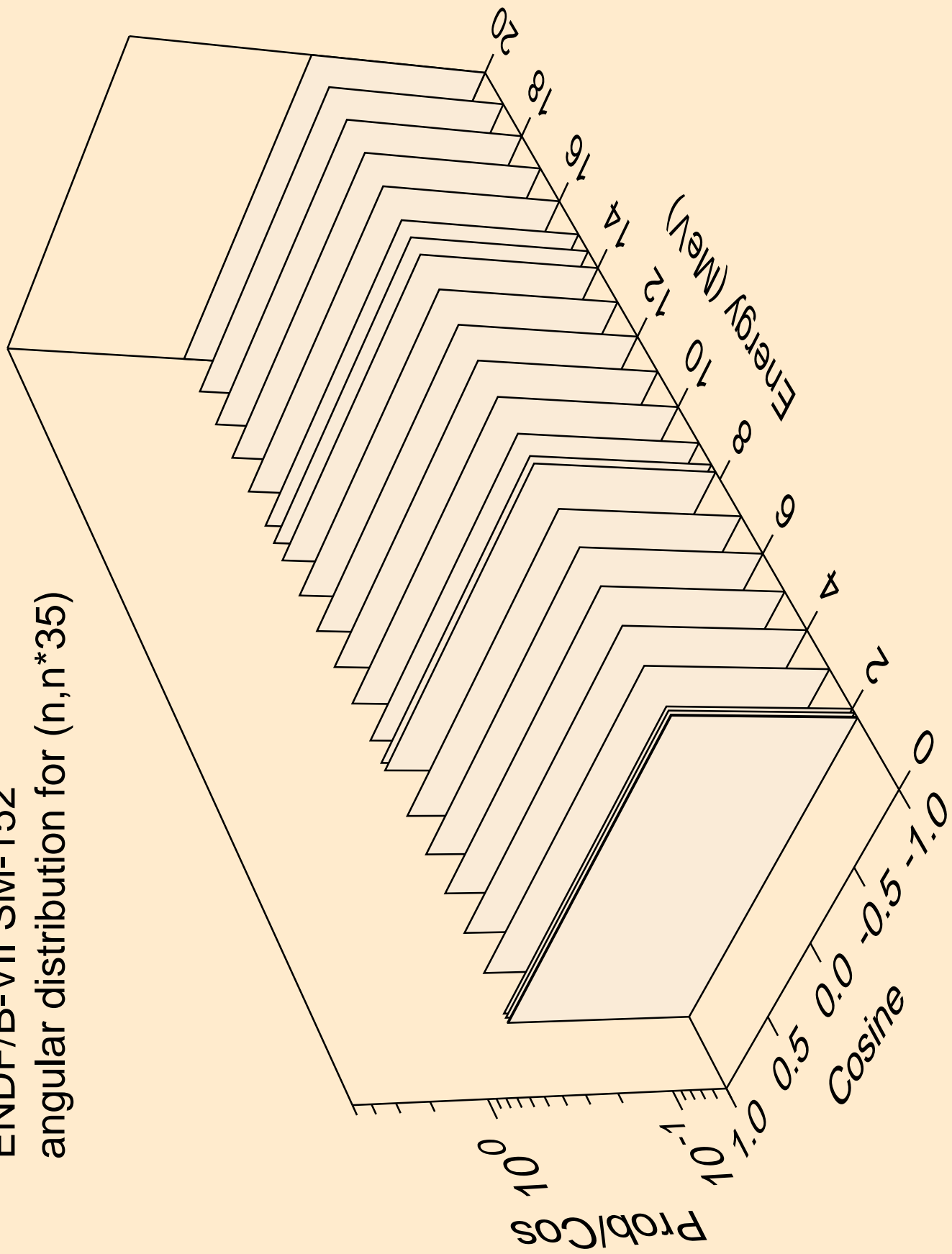
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angular distribution for (n,n\*33)



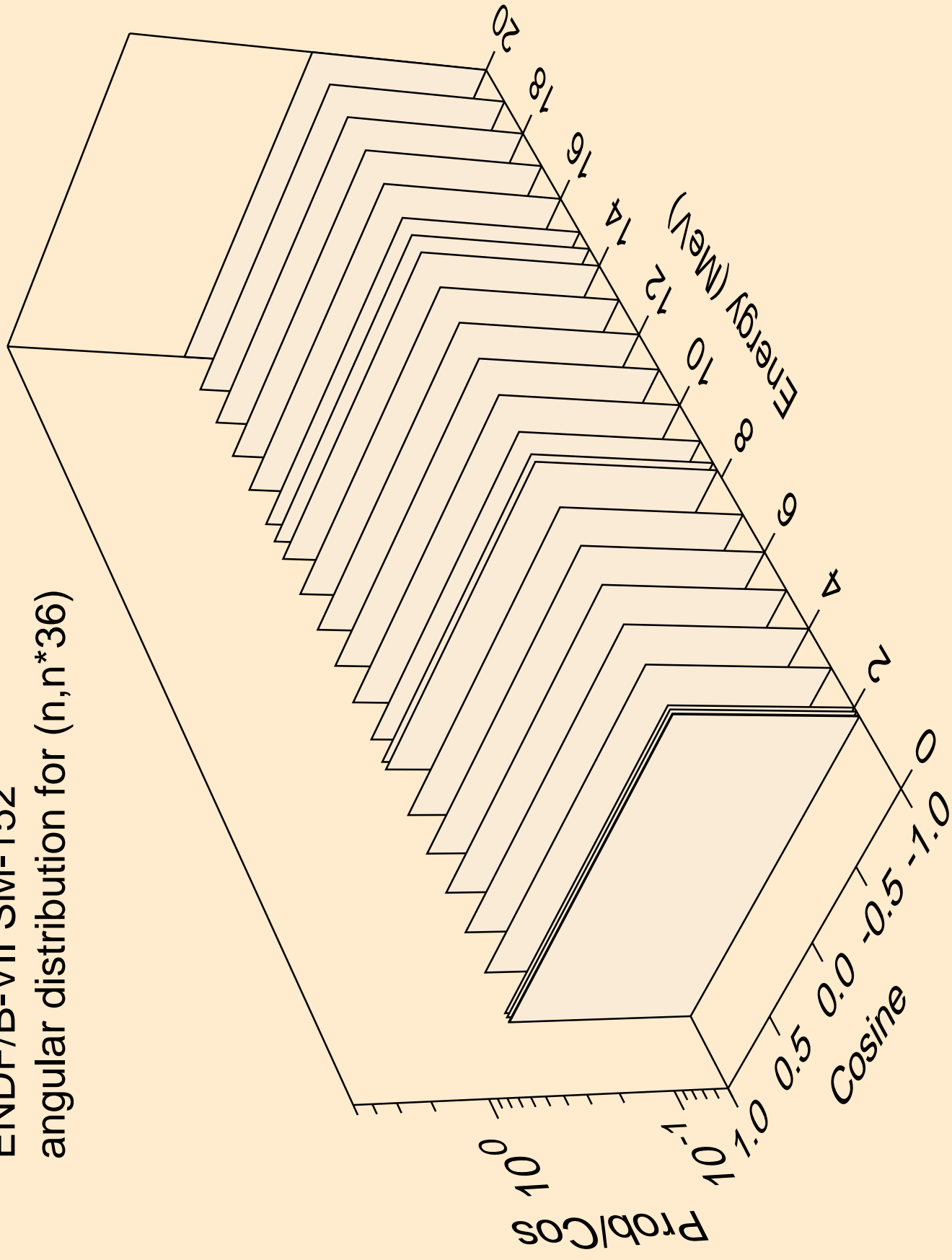
ENDF/B-VII SM-152  
angular distribution for (n,n\*34)



ENDF/B-VII SM-152  
angular distribution for (n,n\*35)

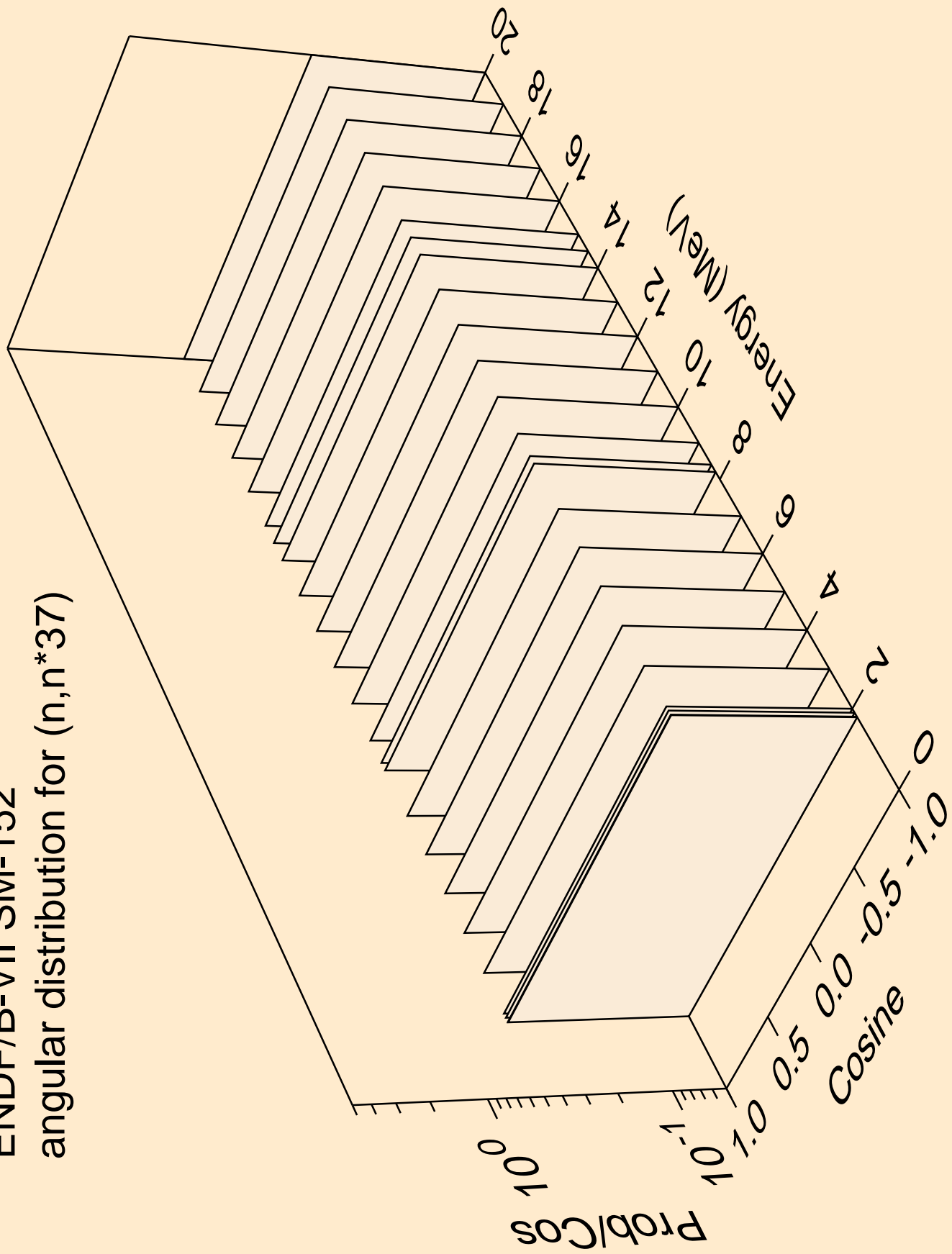


ENDF/B-VII SM-152  
angular distribution for (n,n\*36)

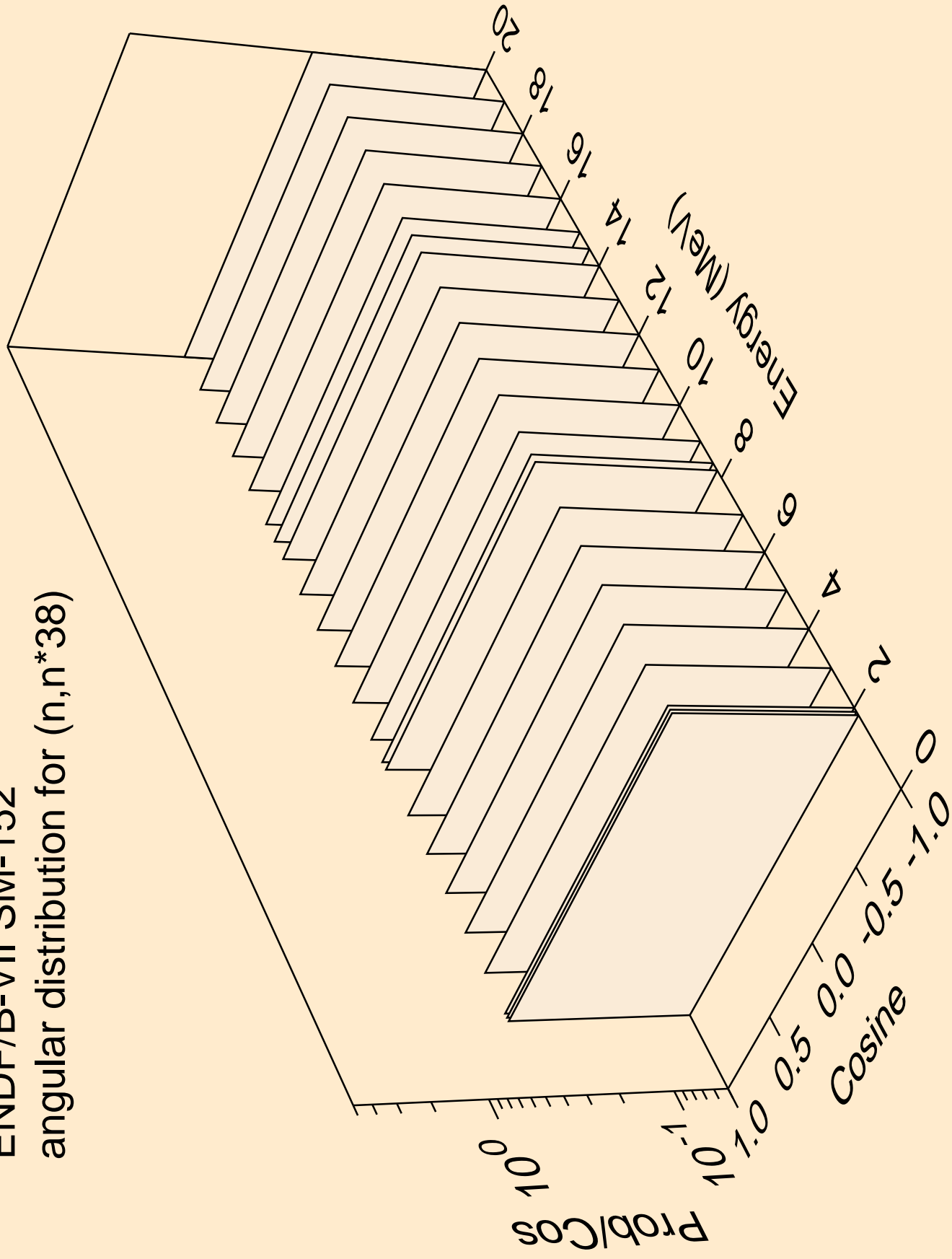




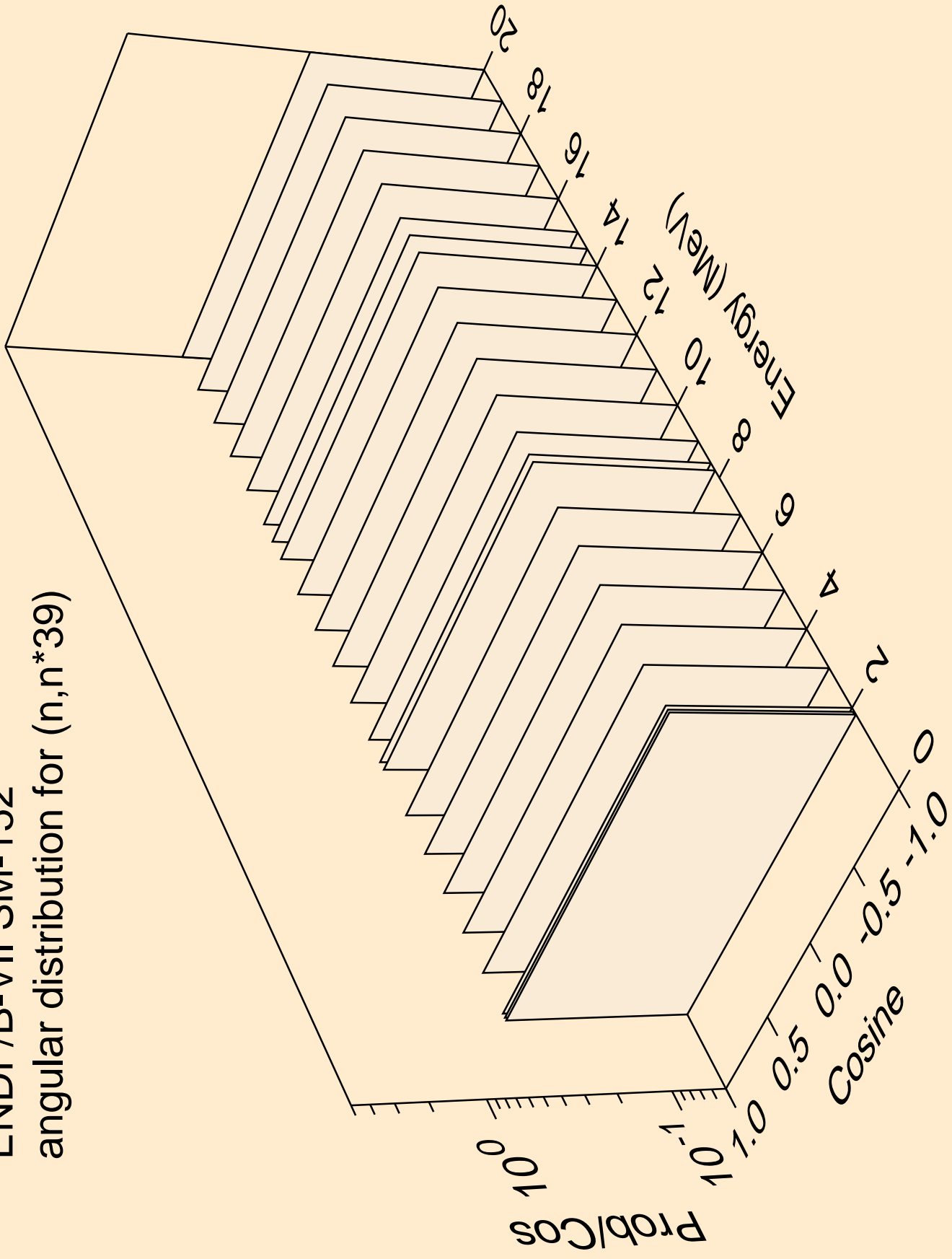
ENDF/B-VII SM-152  
angular distribution for (n,n\*37)



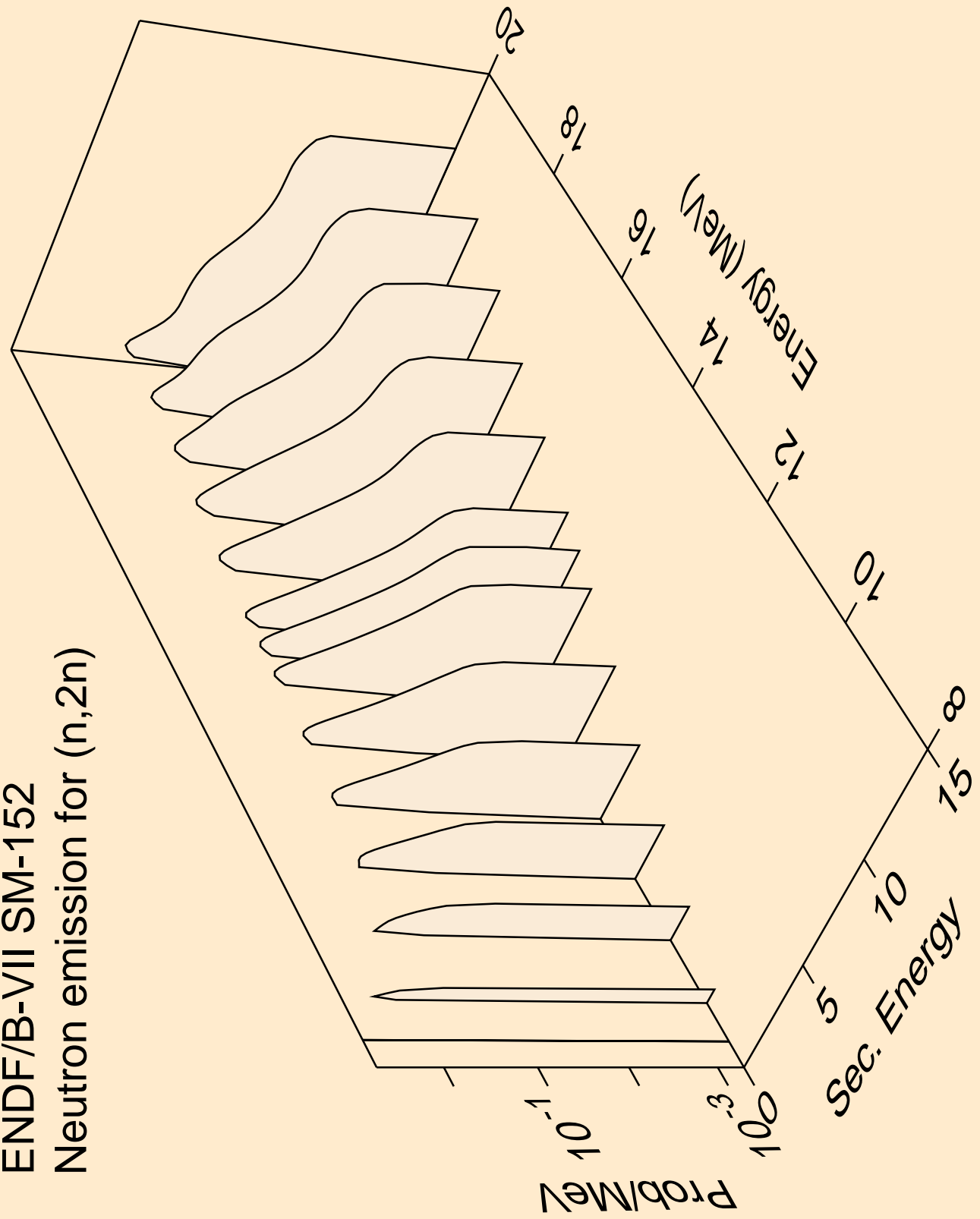
ENDF/B-VII SM-152  
angular distribution for (n,n\*38)



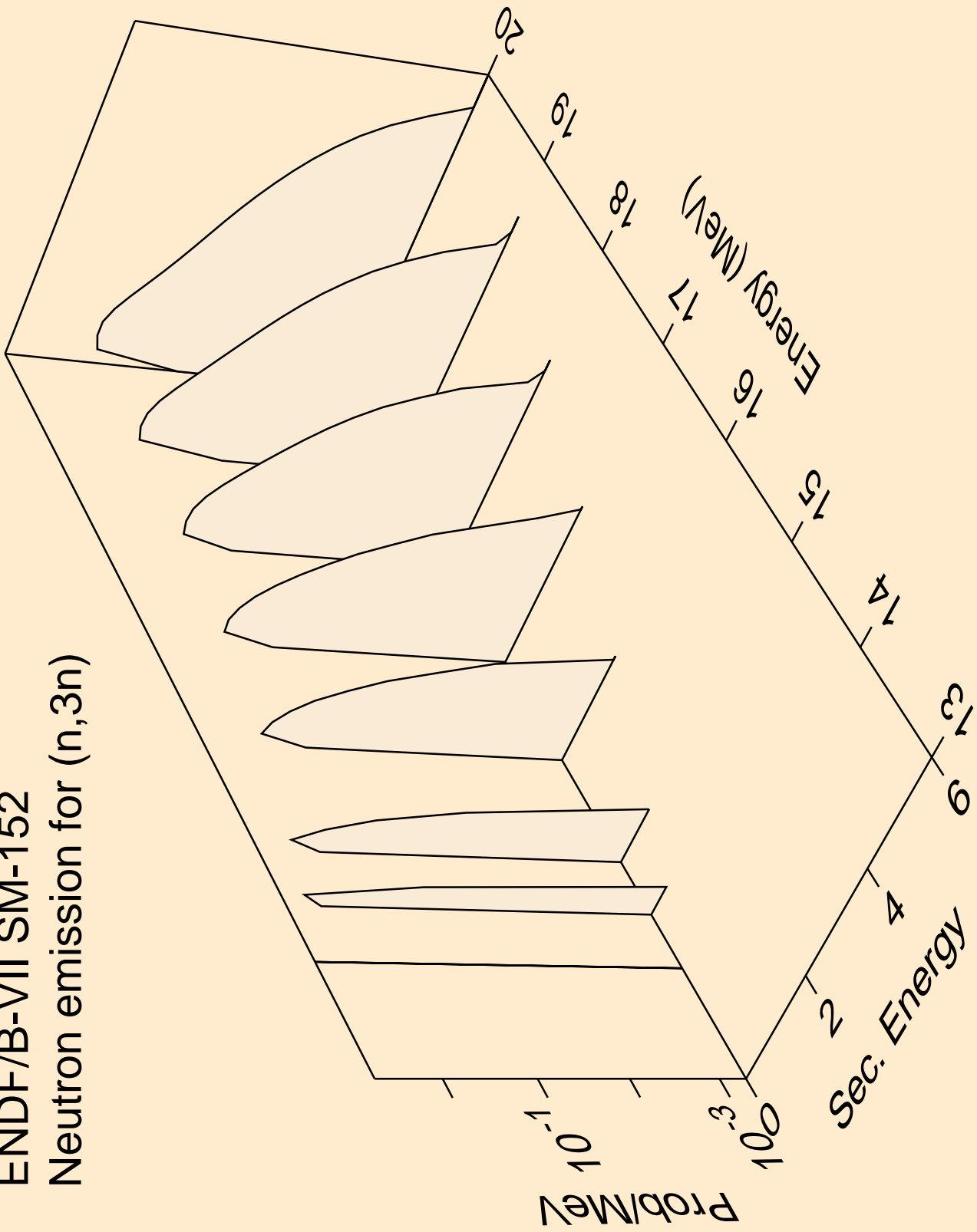
ENDF/B-VII SM-152  
angular distribution for (n,n\*39)



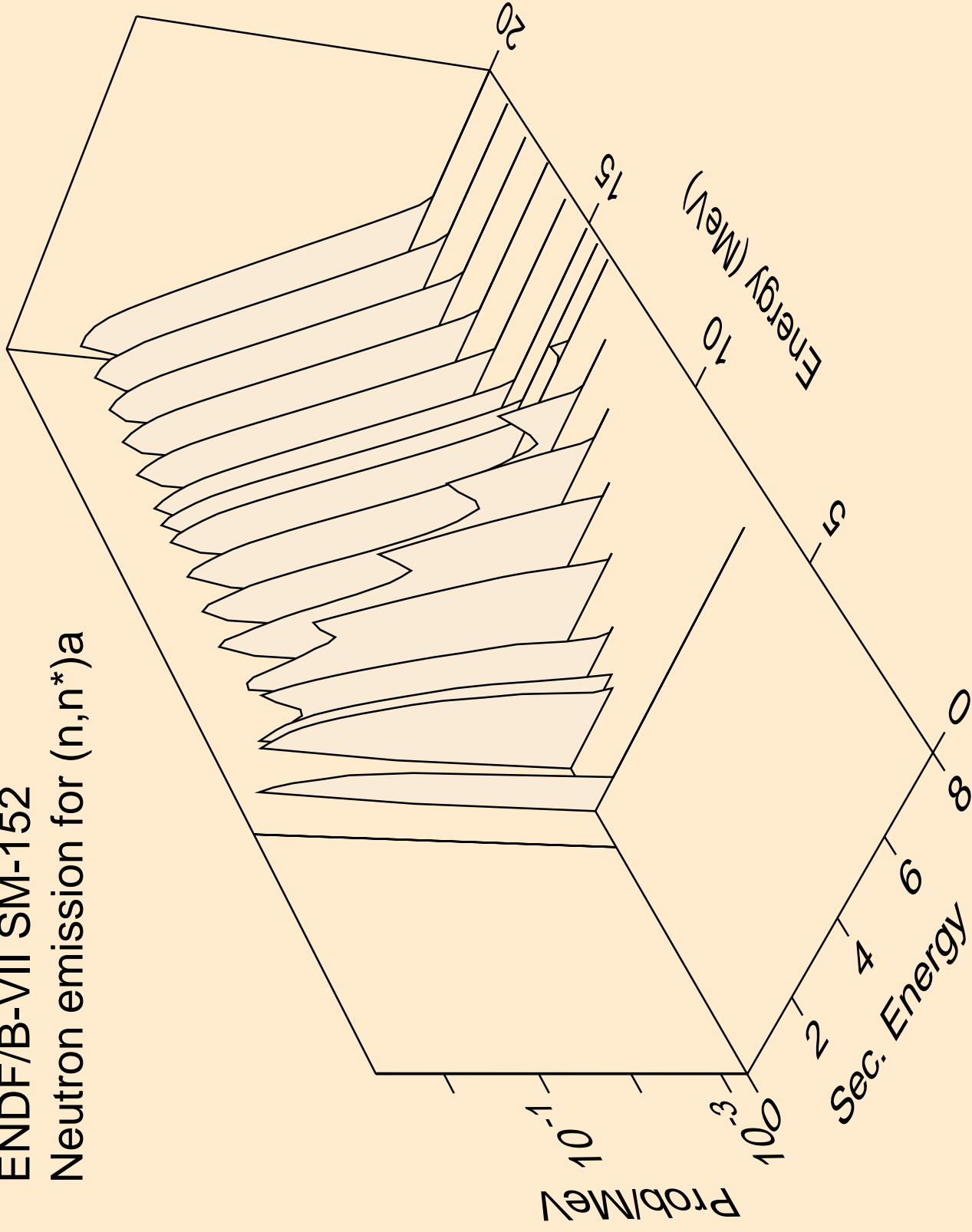
ENDF/B-VII SM-152  
Neutron emission for (n,2n)



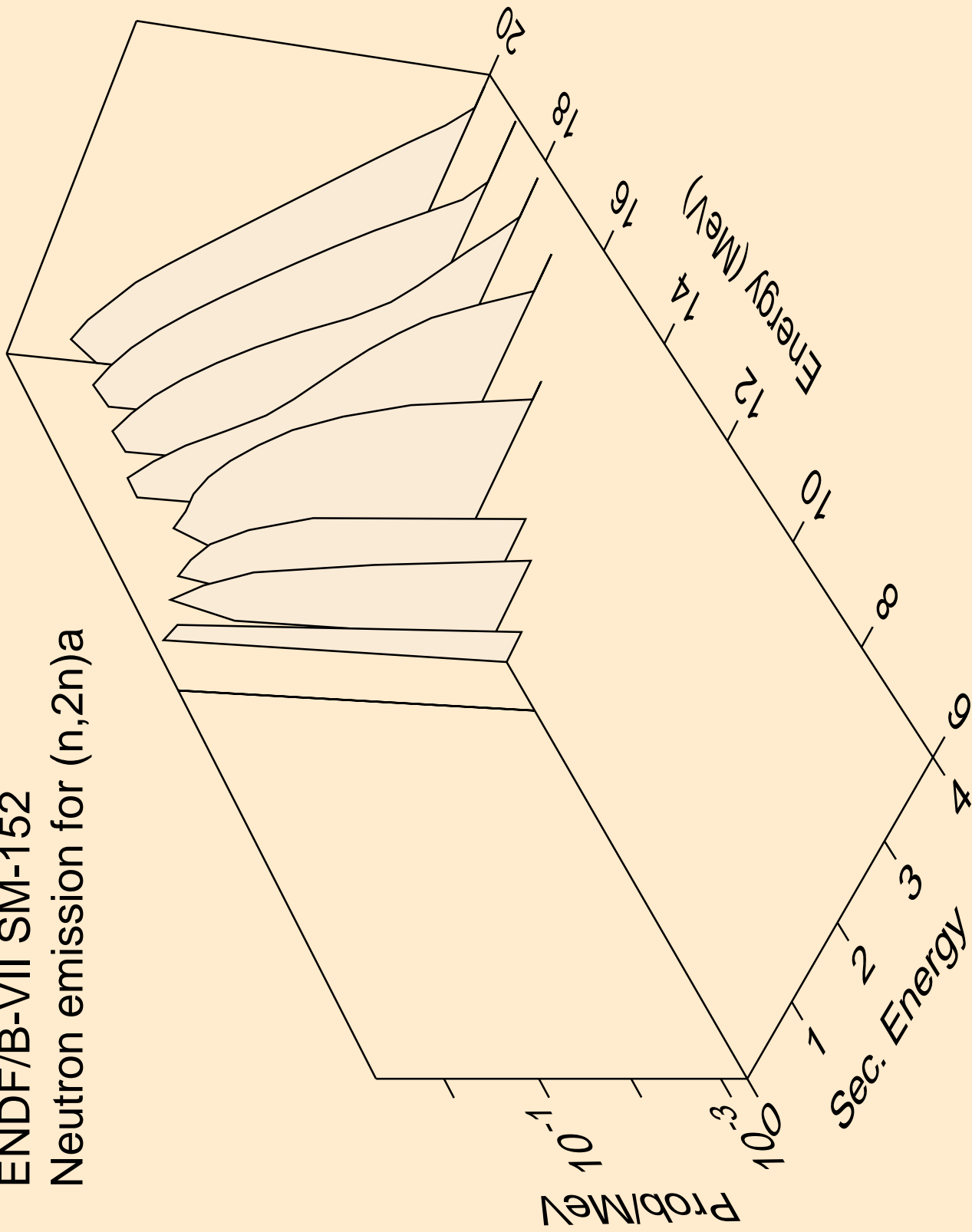
ENDF/B-VII SM-152  
Neutron emission for (n,3n)



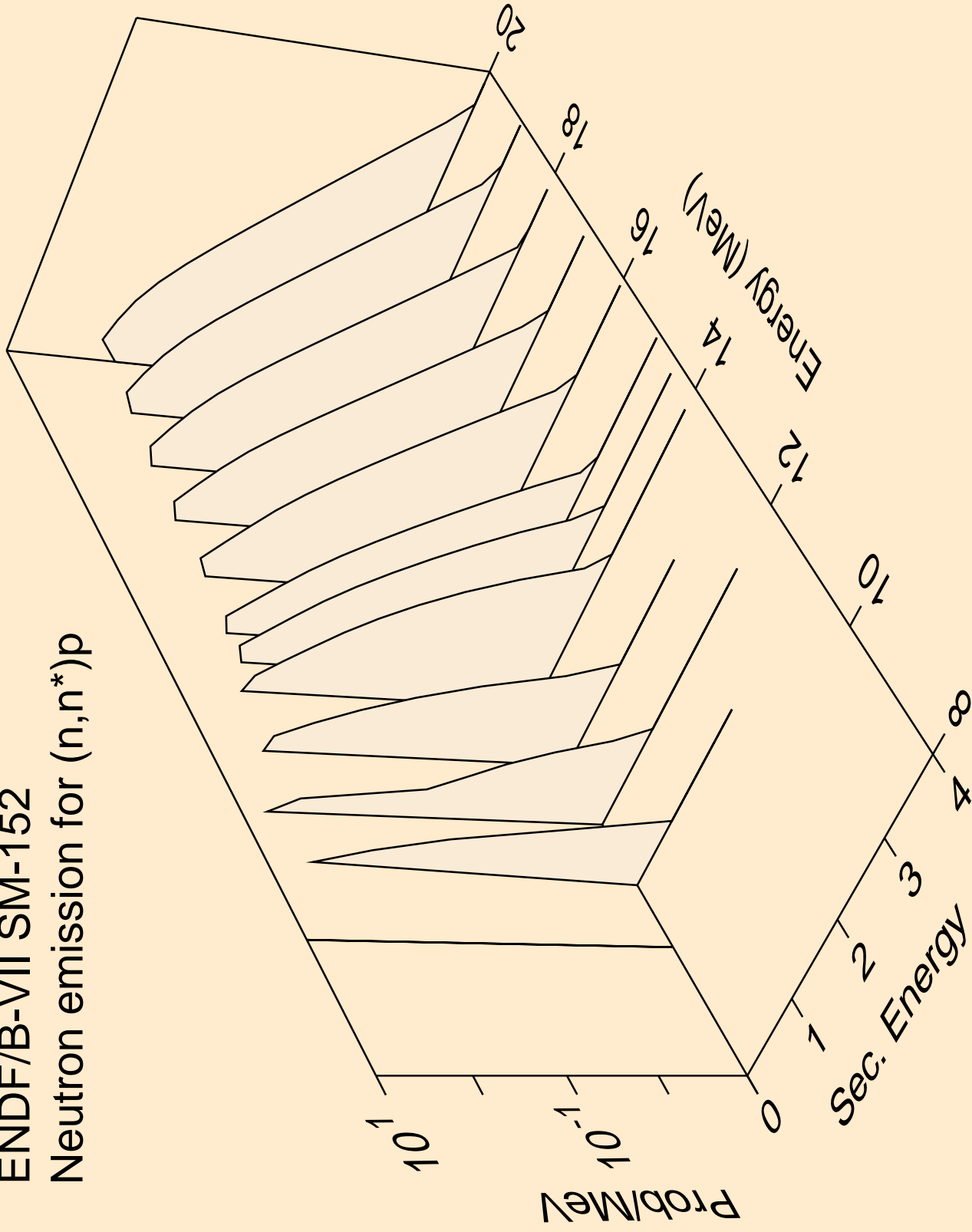
ENDF/B-VII SM-152  
Neutron emission for  $(n,n^*)$ a



ENDF/B-VII SM-152  
Neutron emission for (n,2n)a

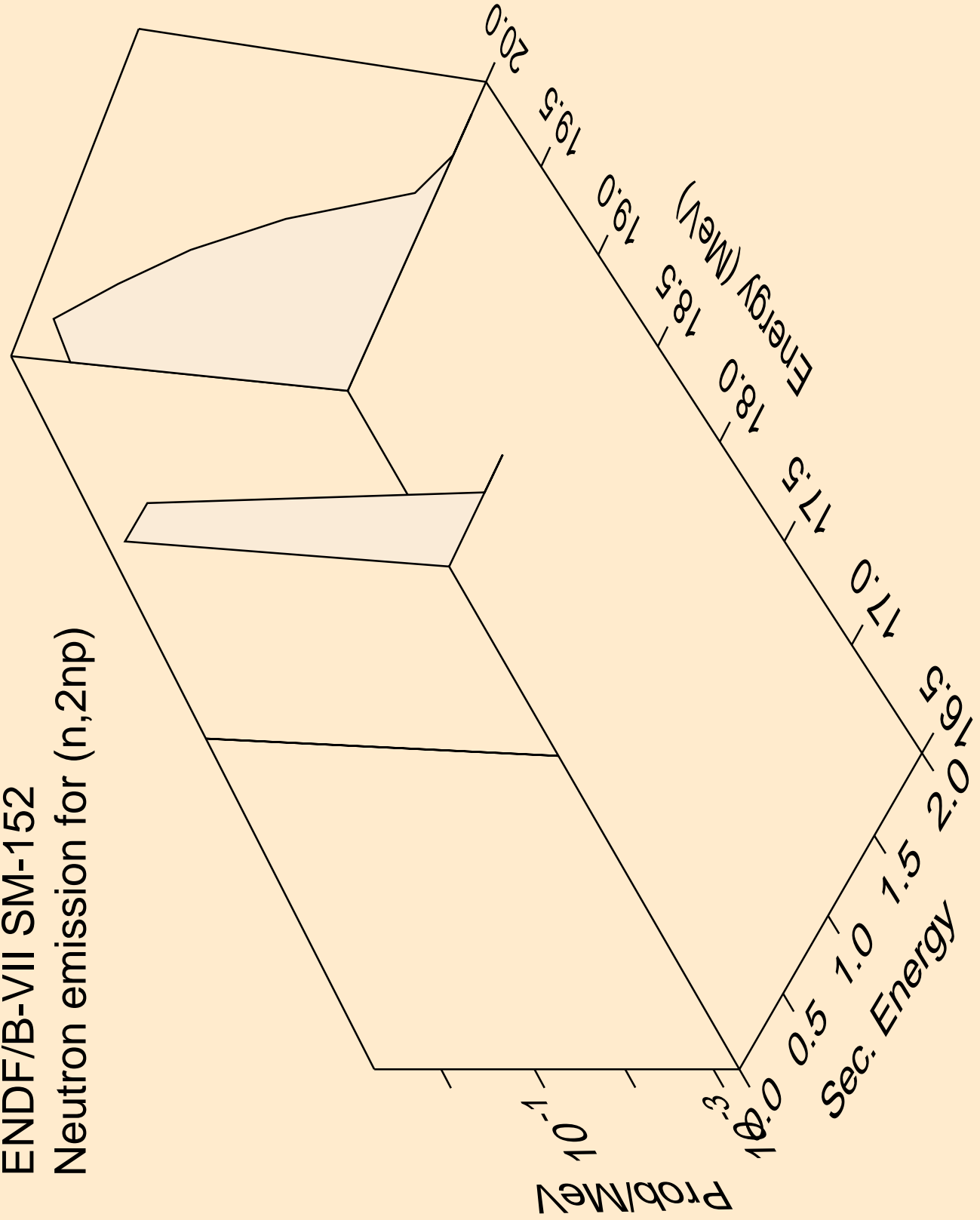


ENDF/B-VII SM-152  
Neutron emission for (n,n\*)p

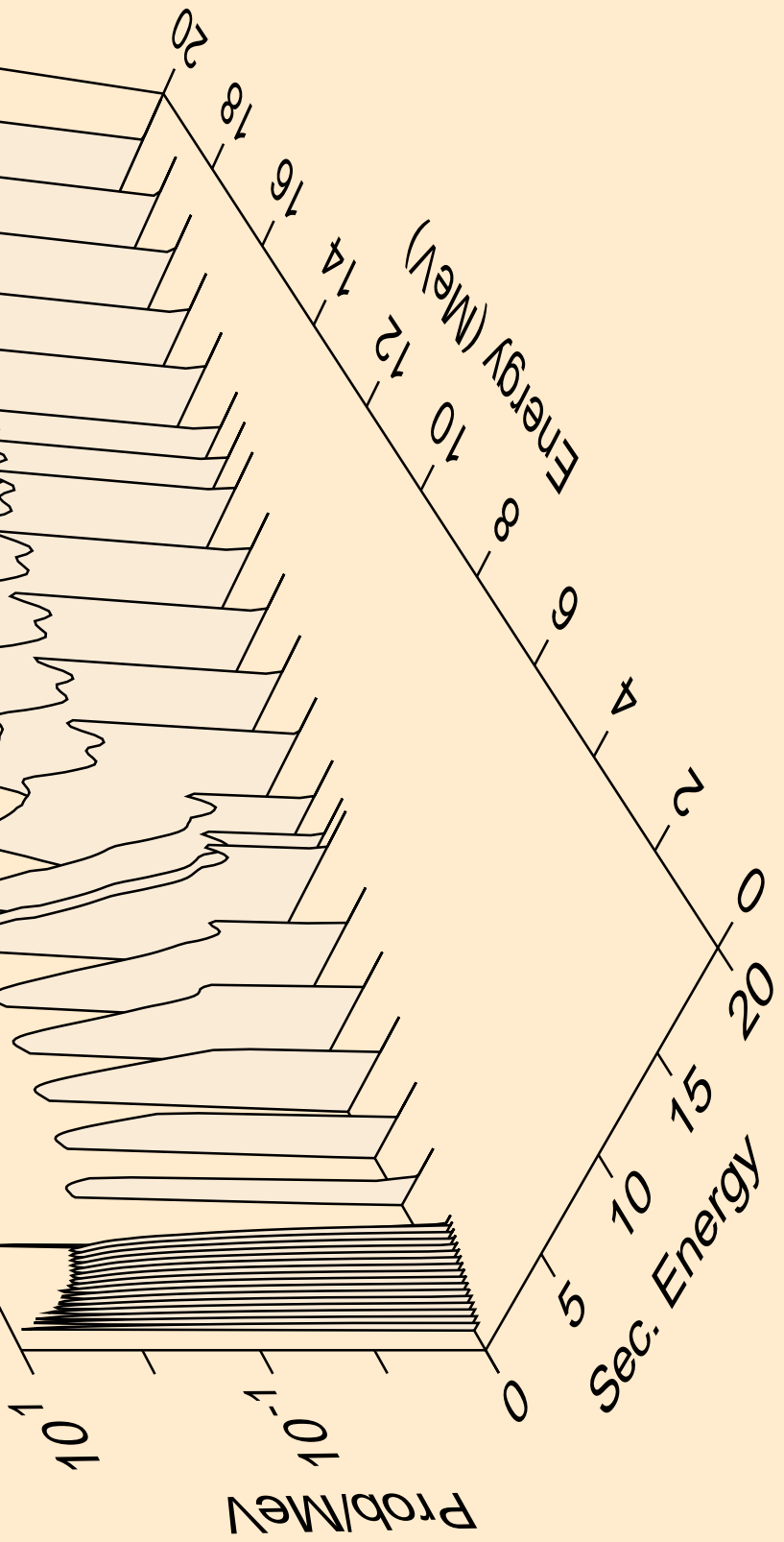




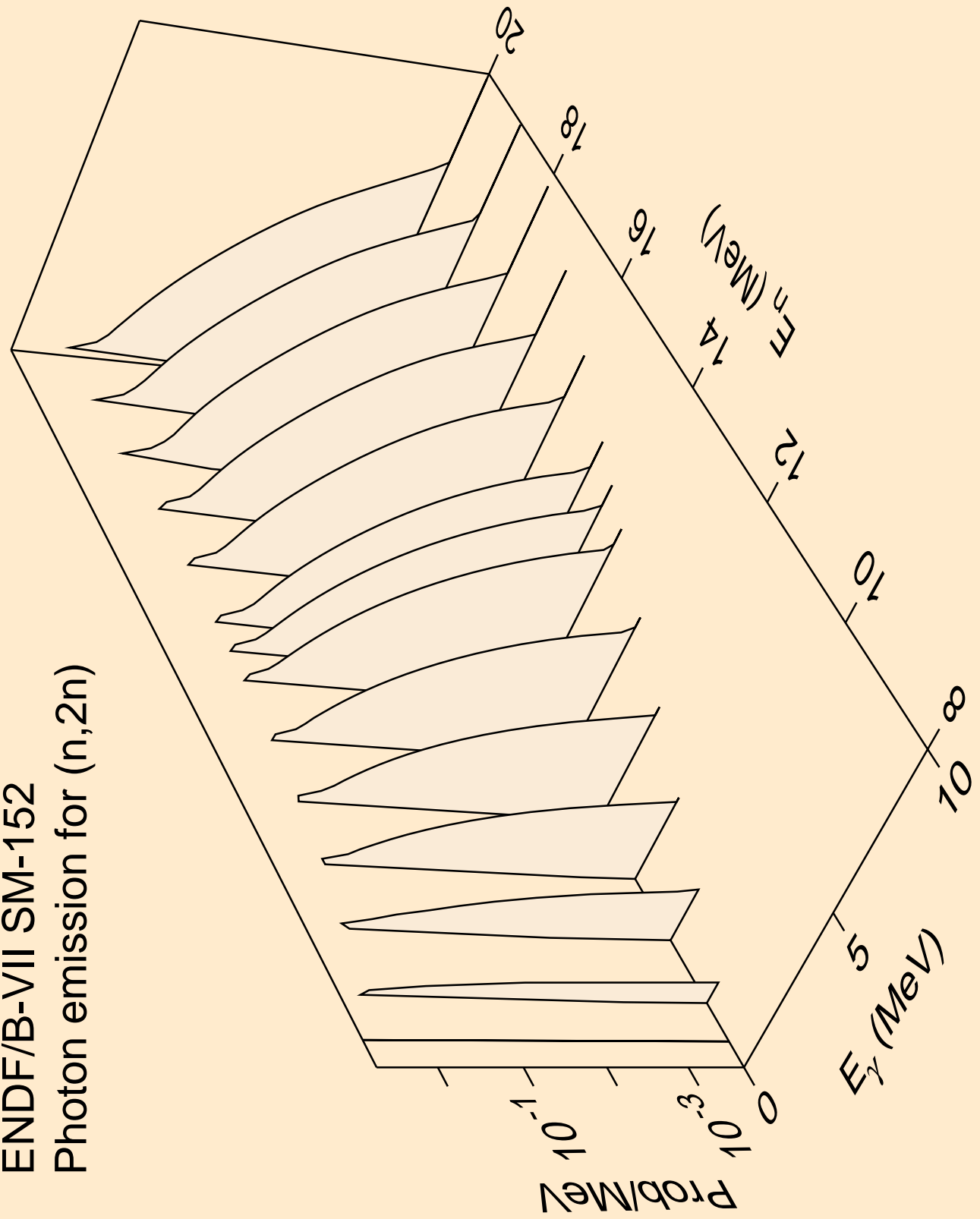
ENDF/B-VII SM-152  
Neutron emission for (n,2np)



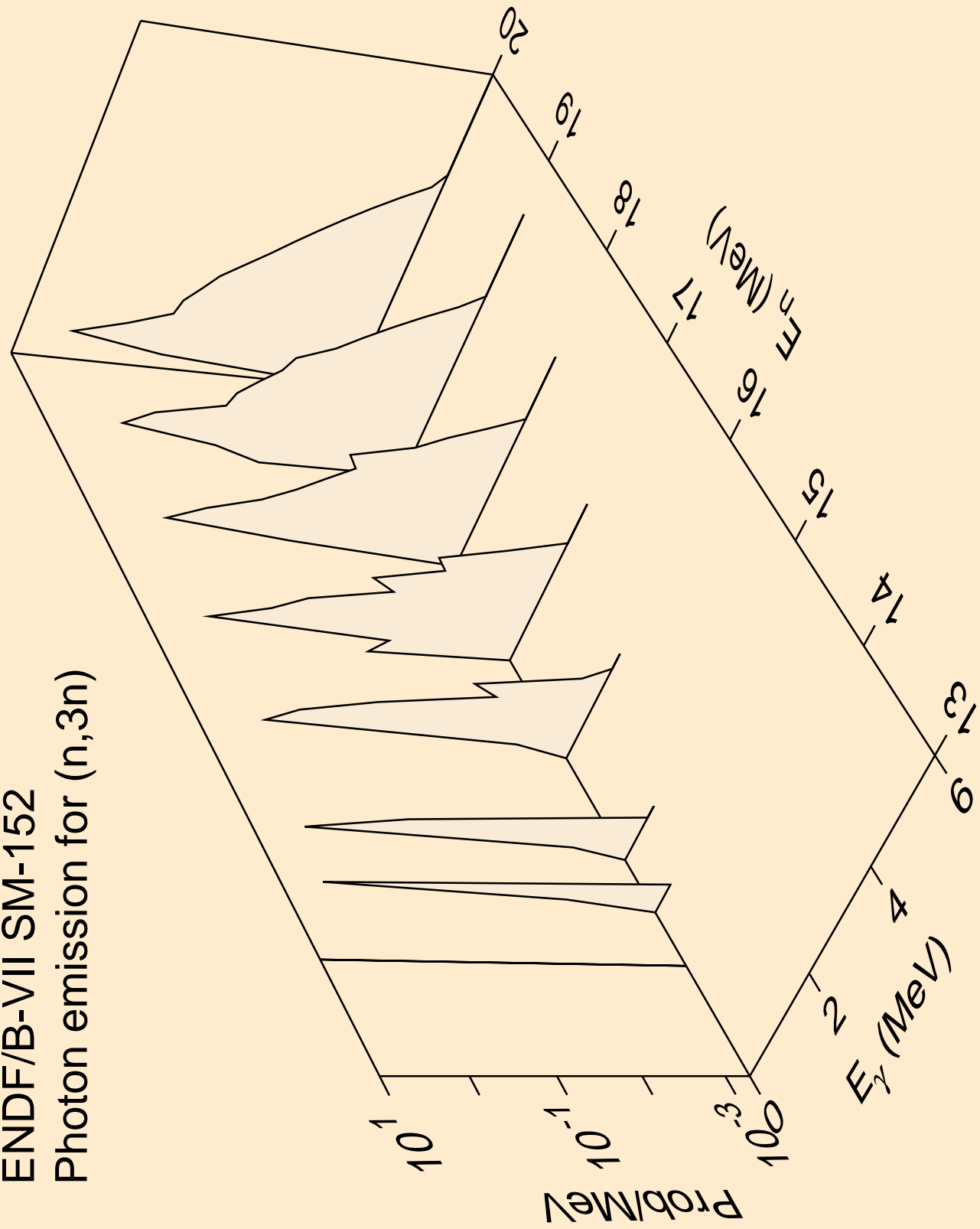
ENDF/B-VII SM-152  
Neutron emission for (n,n\*c)



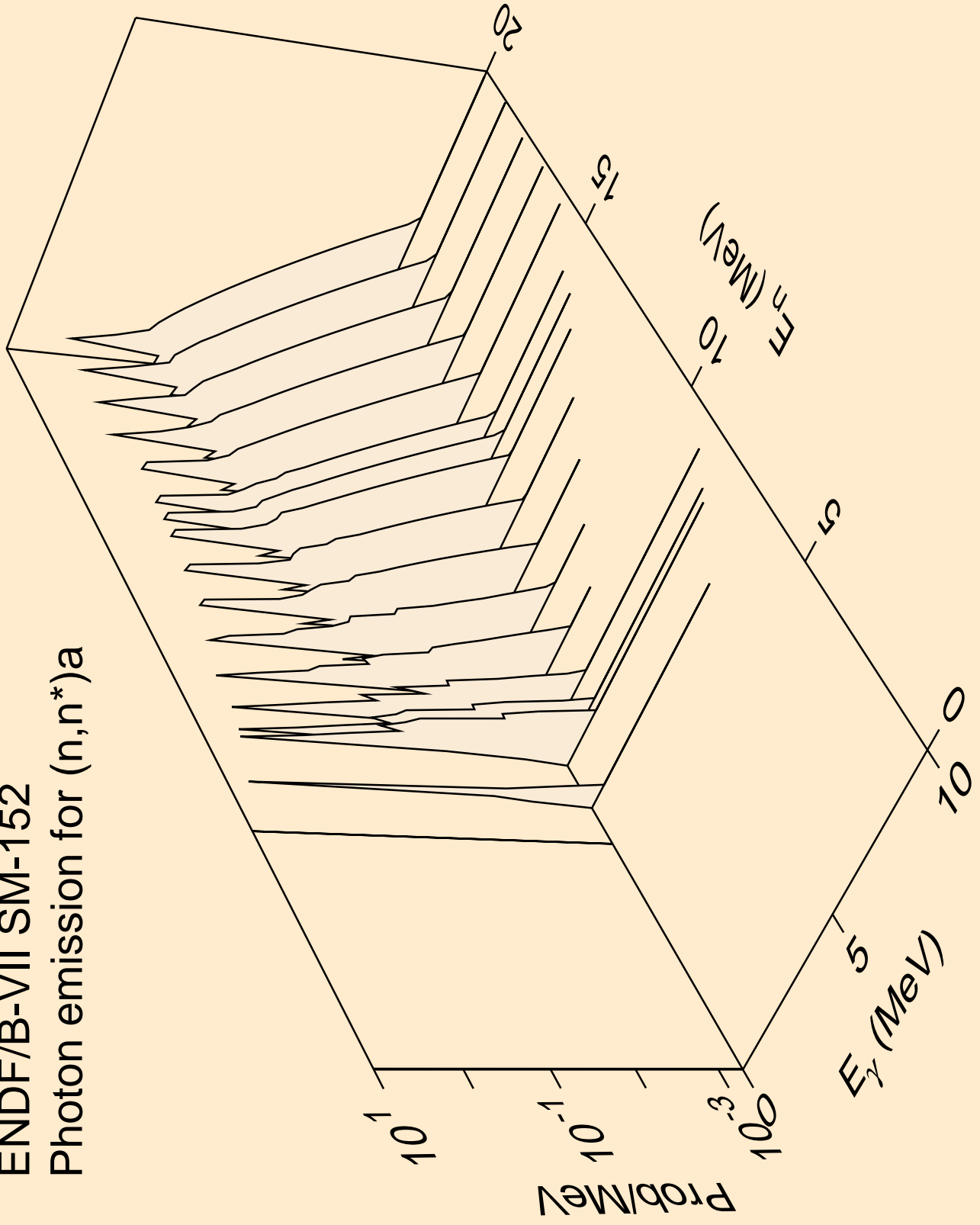
ENDF/B-VII SM-152  
Photon emission for (n,2n)



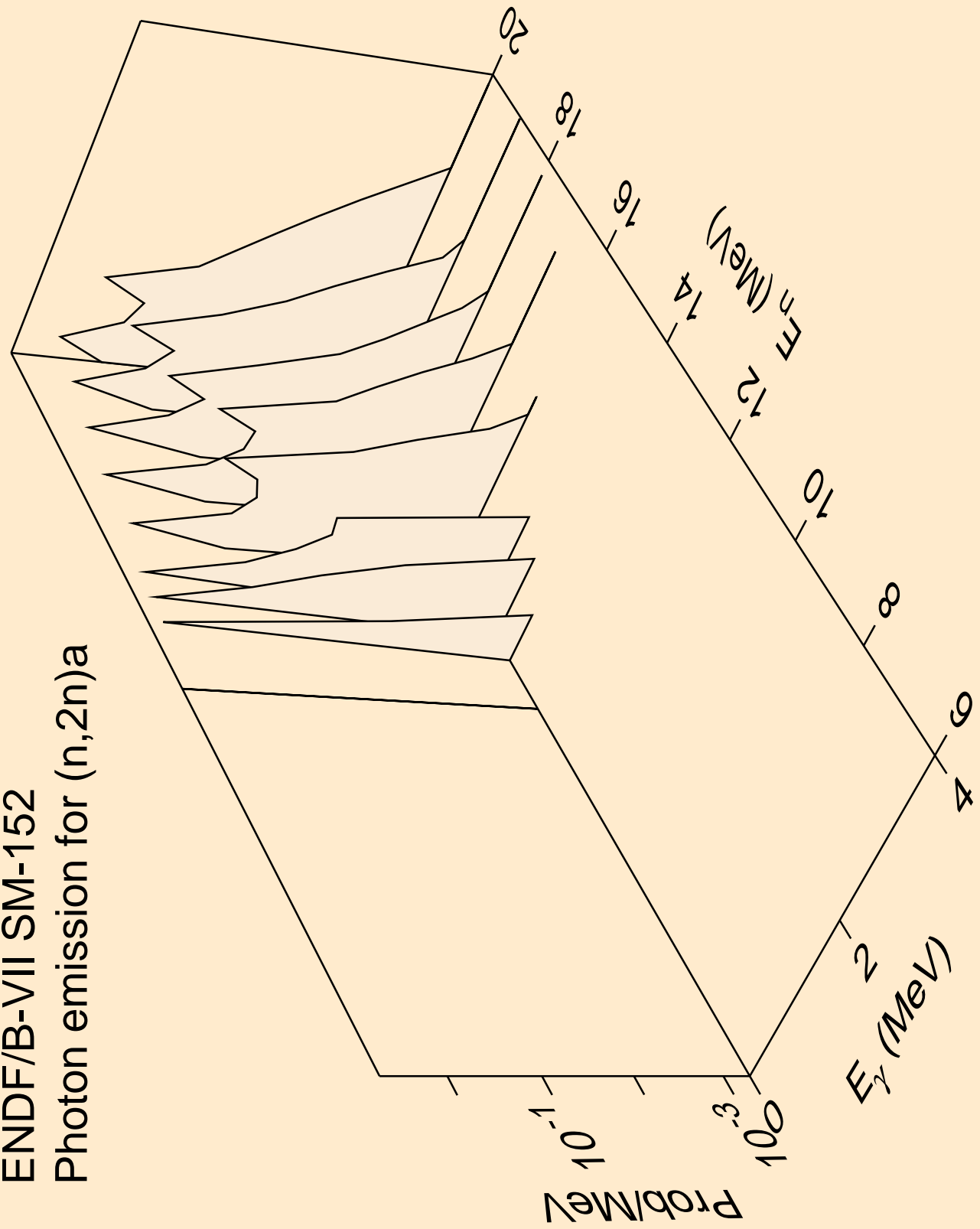
ENDF/B-VII SM-152  
Photon emission for (n,3n)



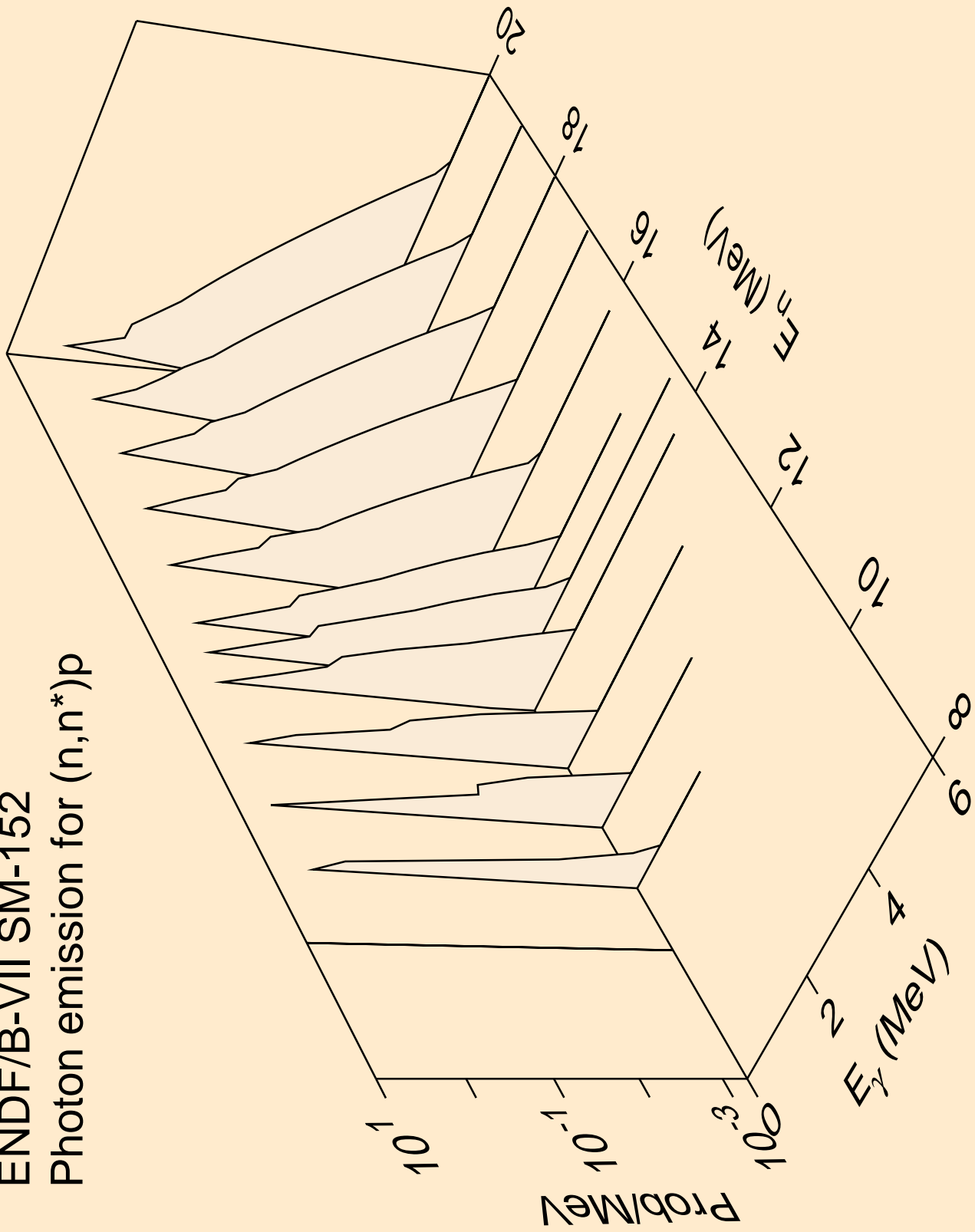
ENDF/B-VII SM-152  
Photon emission for (n,n\*)a



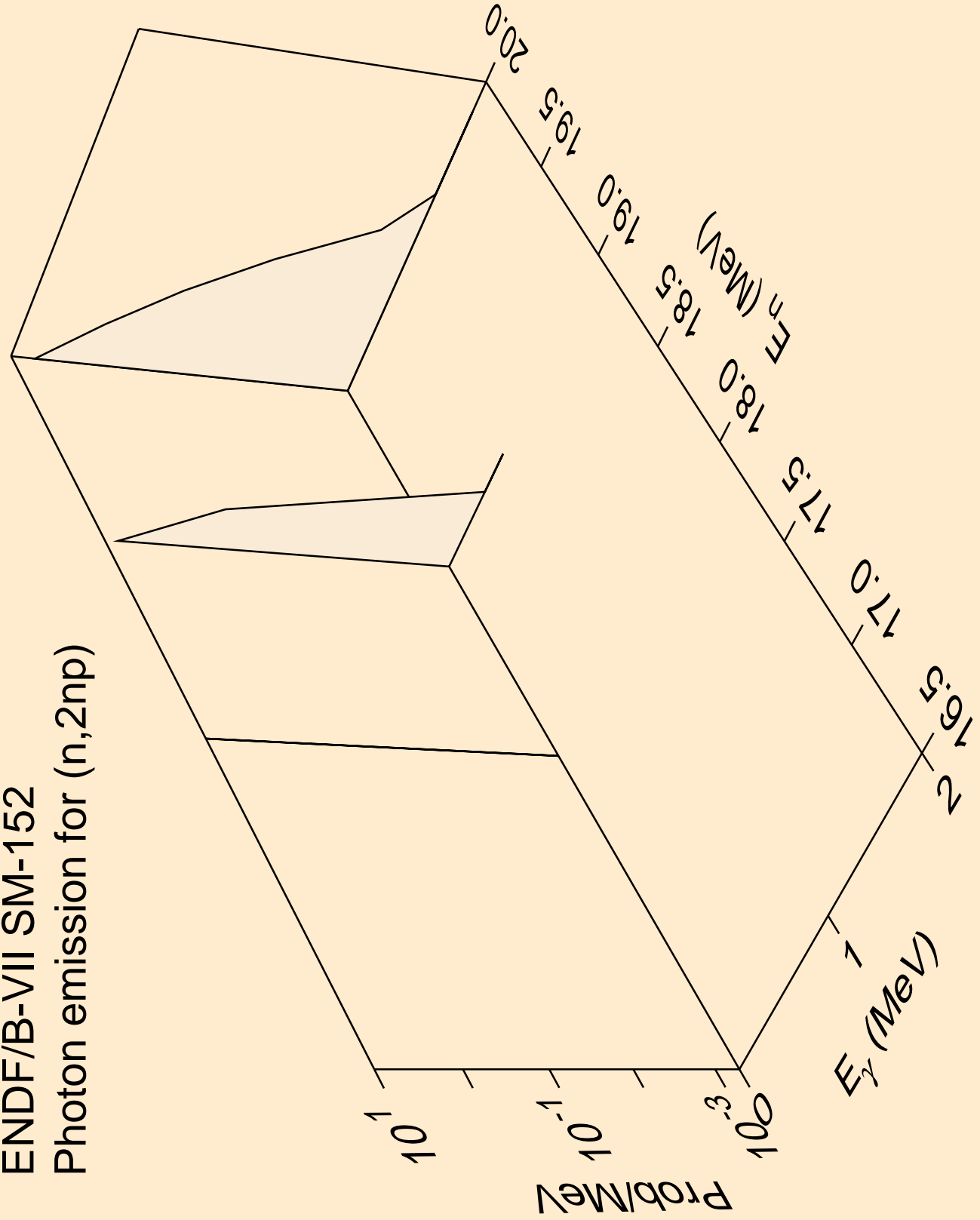
ENDF/B-VII SM-152  
Photon emission for (n,2n)a



ENDF/B-VII SM-152  
Photon emission for (n,n\*)p

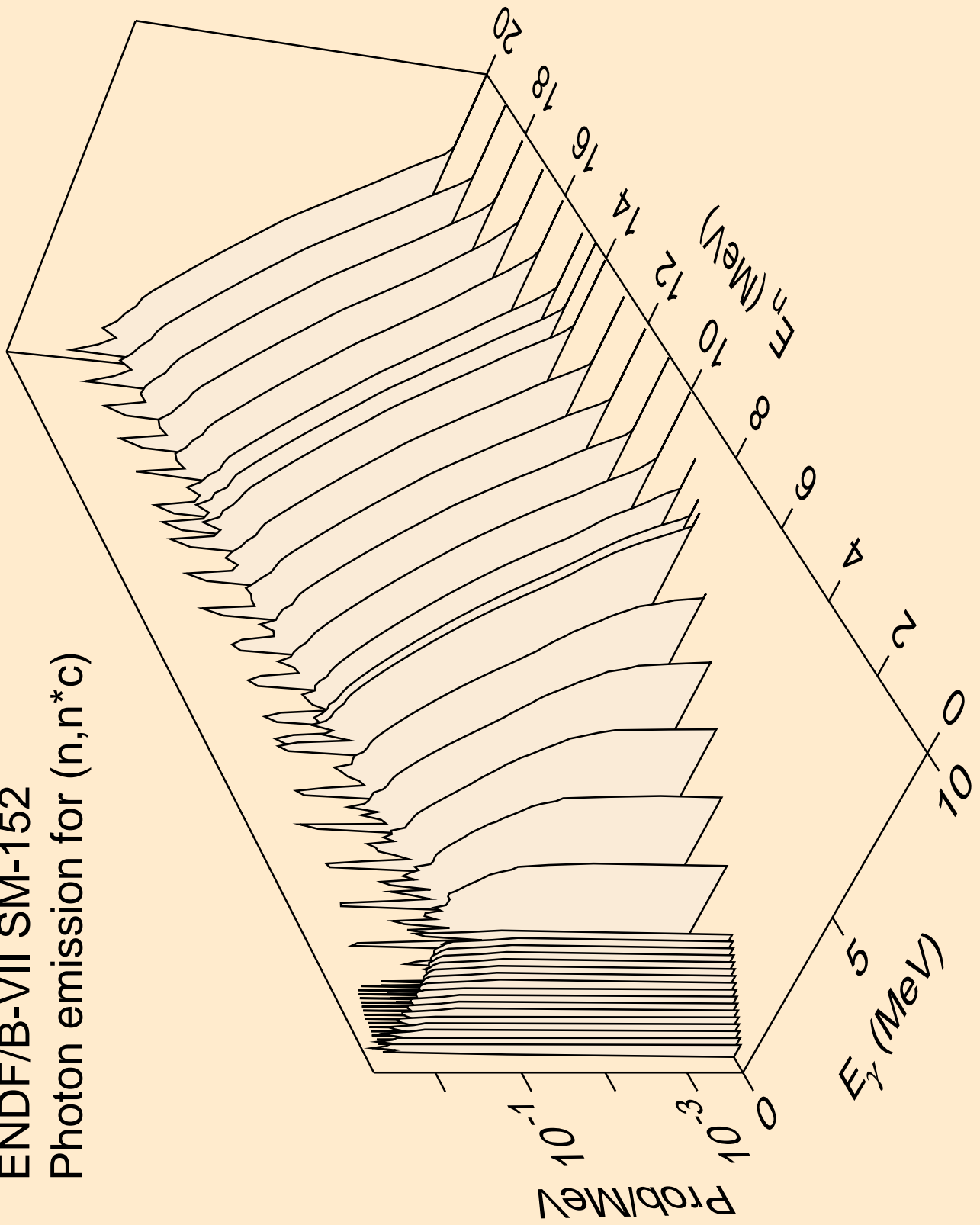


ENDF/B-VII SM-152  
Photon emission for (n,2np)

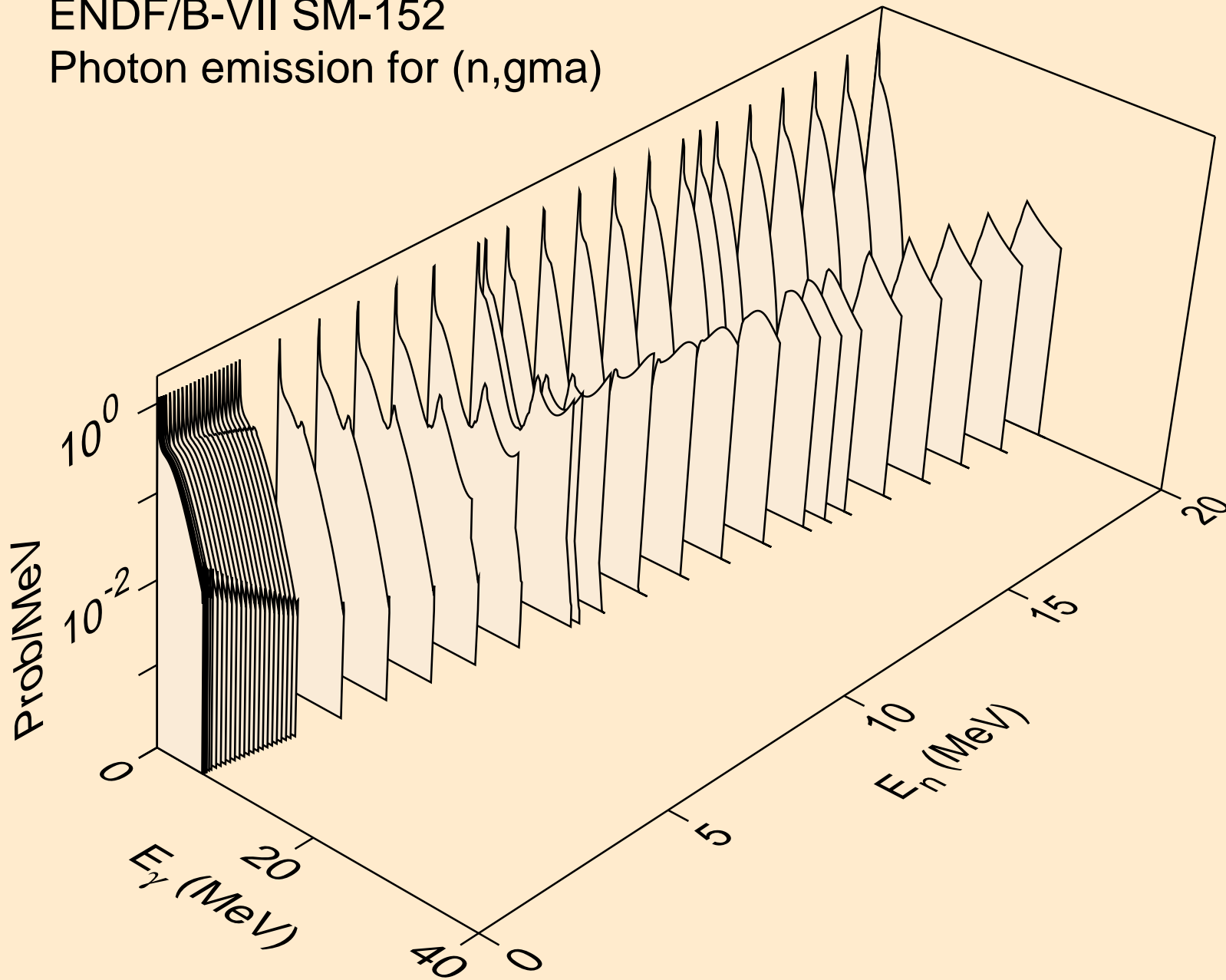




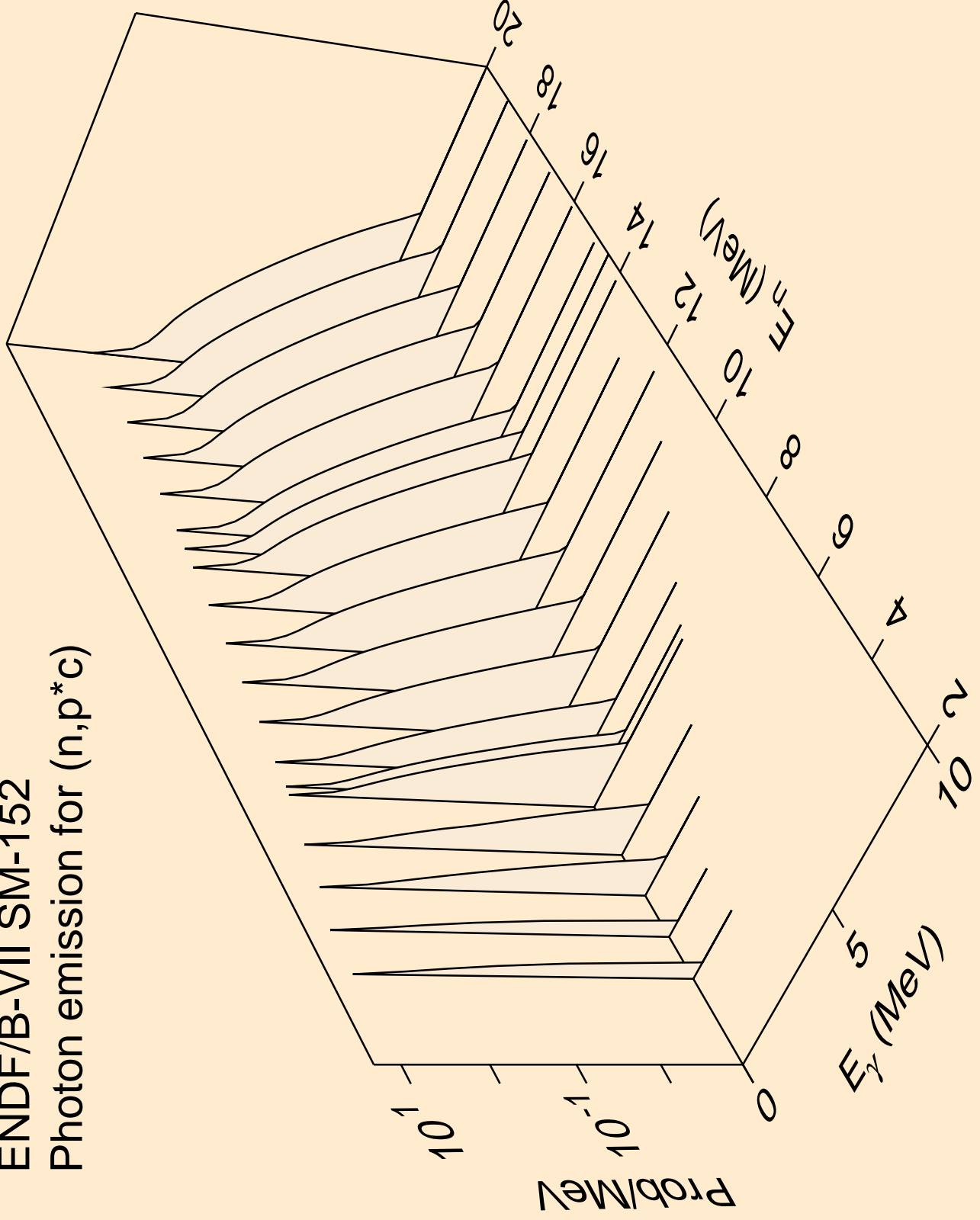
ENDF/B-VII SM-152  
Photon emission for (n,n\*c)



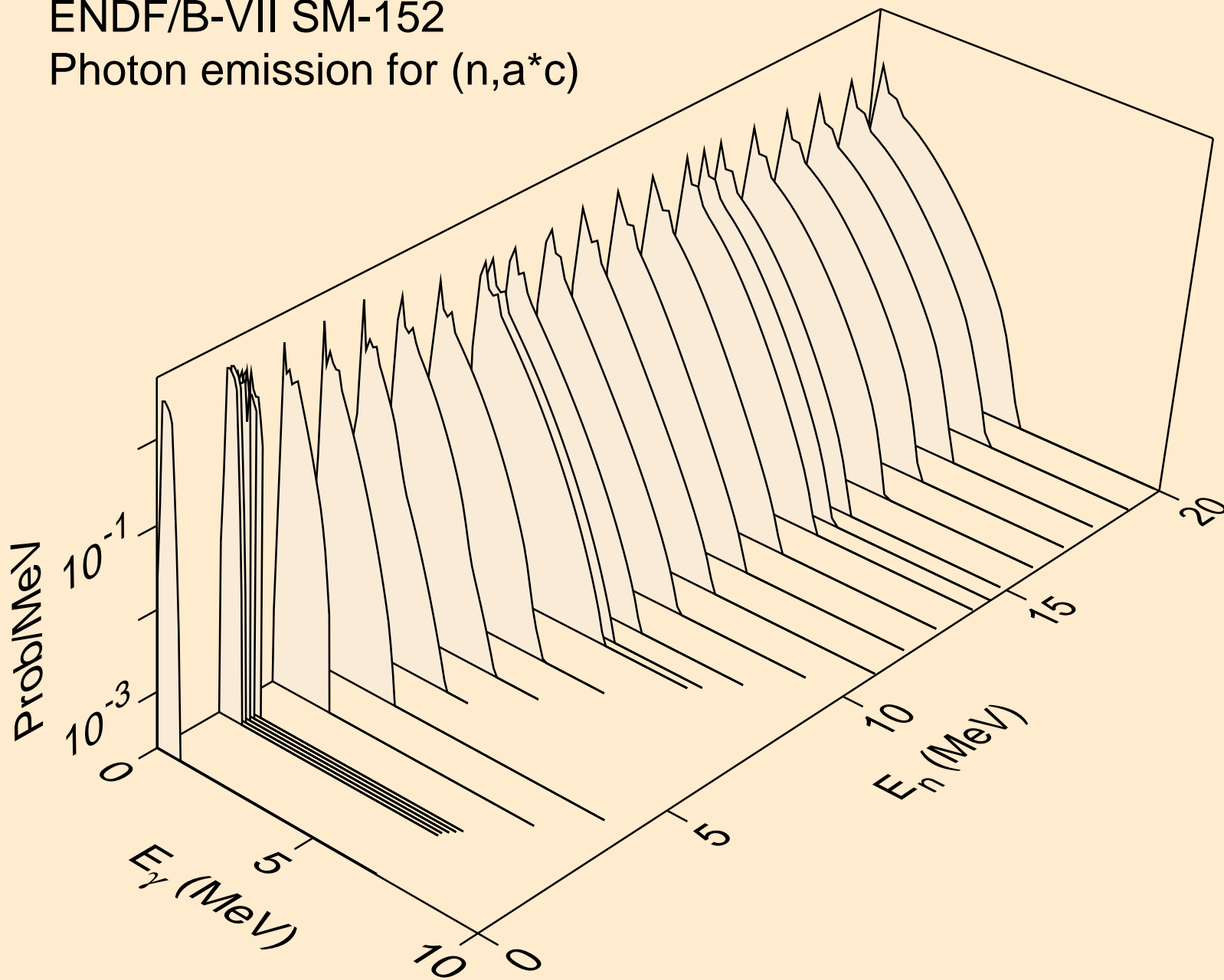
ENDF/B-VII SM-152  
Photon emission for (n,gma)



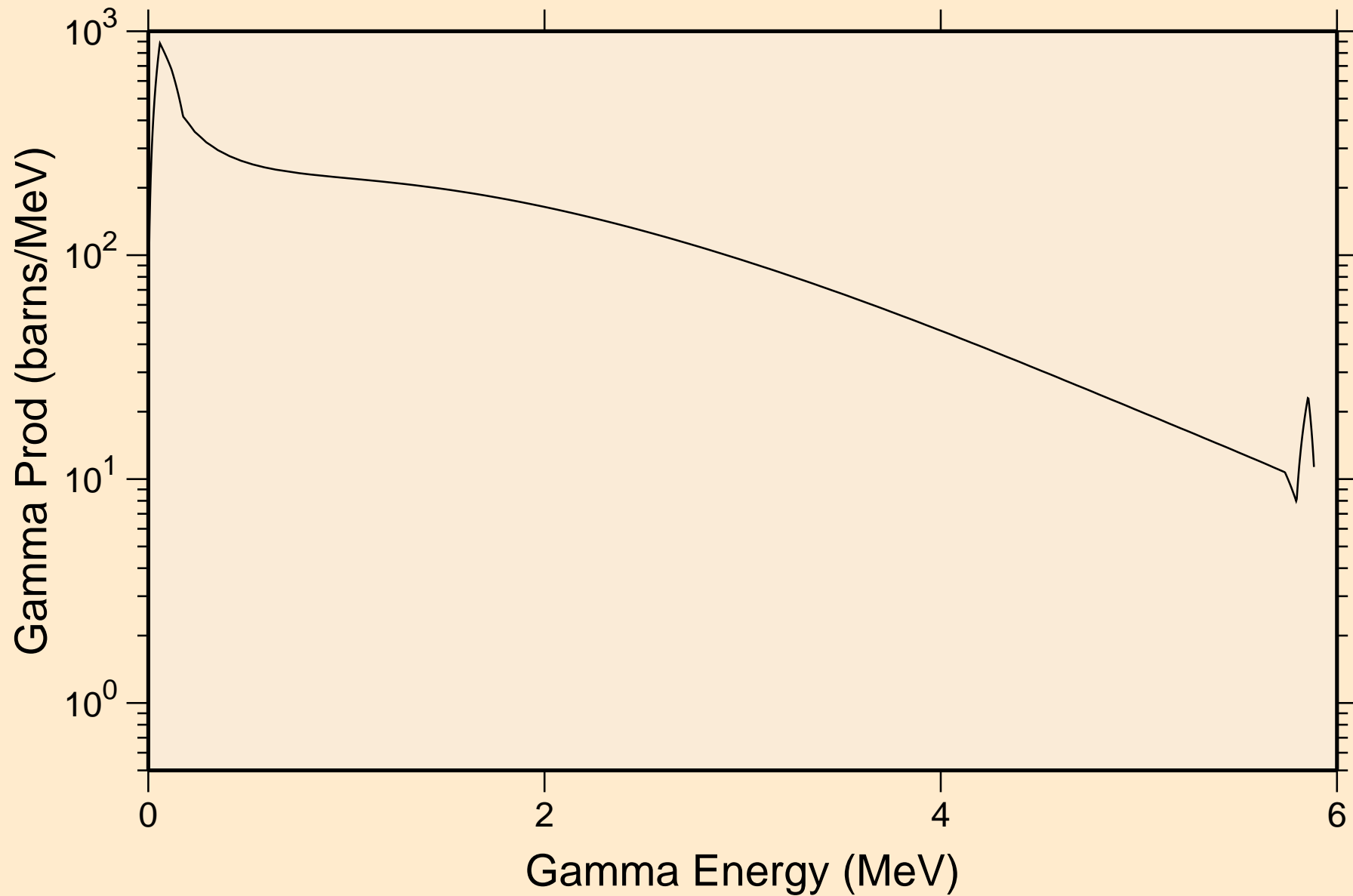
ENDF/B-VII SM-152  
Photon emission for (n,p\*c)



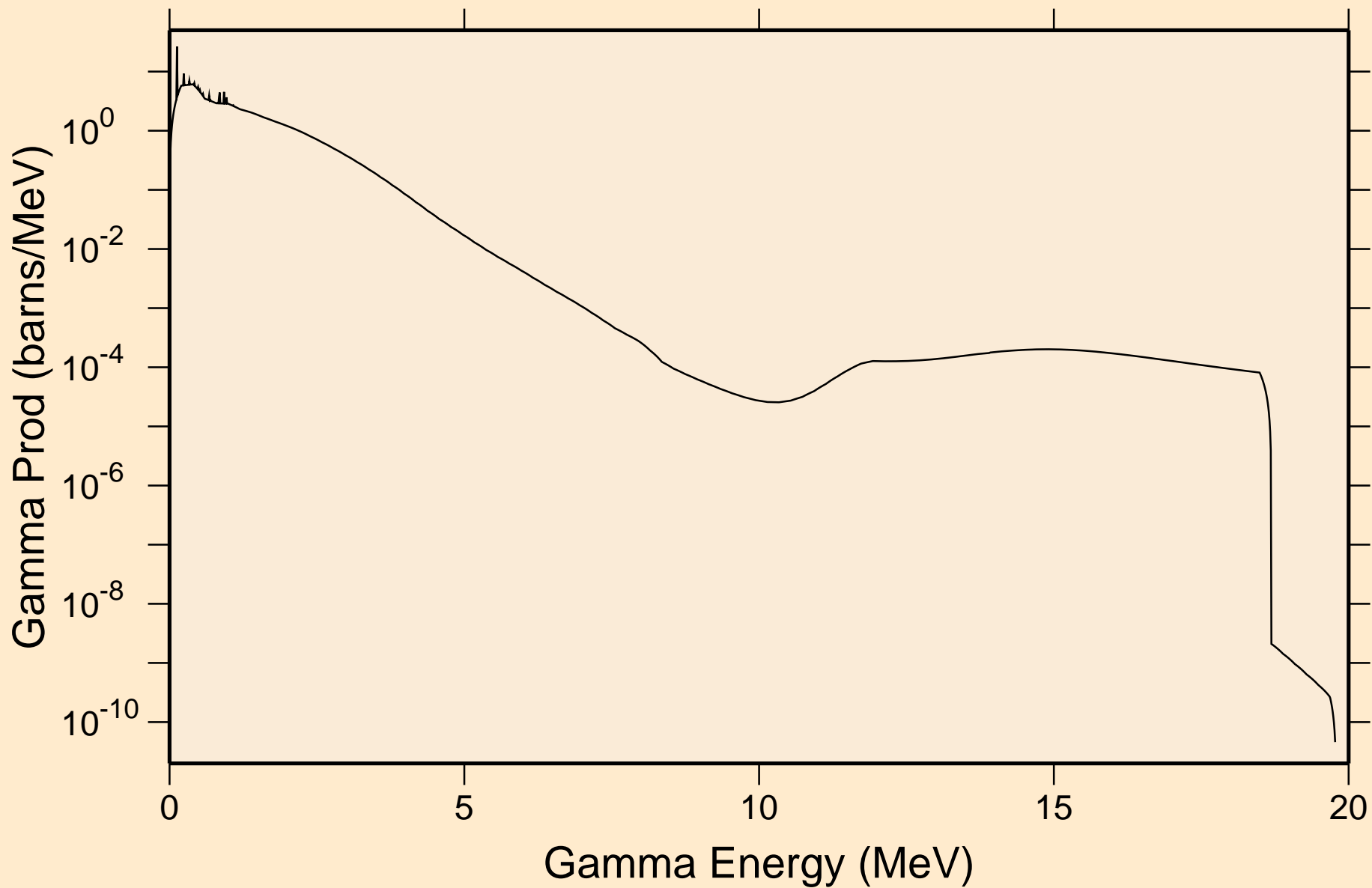
ENDF/B-VII SM-152  
Photon emission for (n,a\*c)



ENDF/B-VII SM-152  
thermal capture photon spectrum

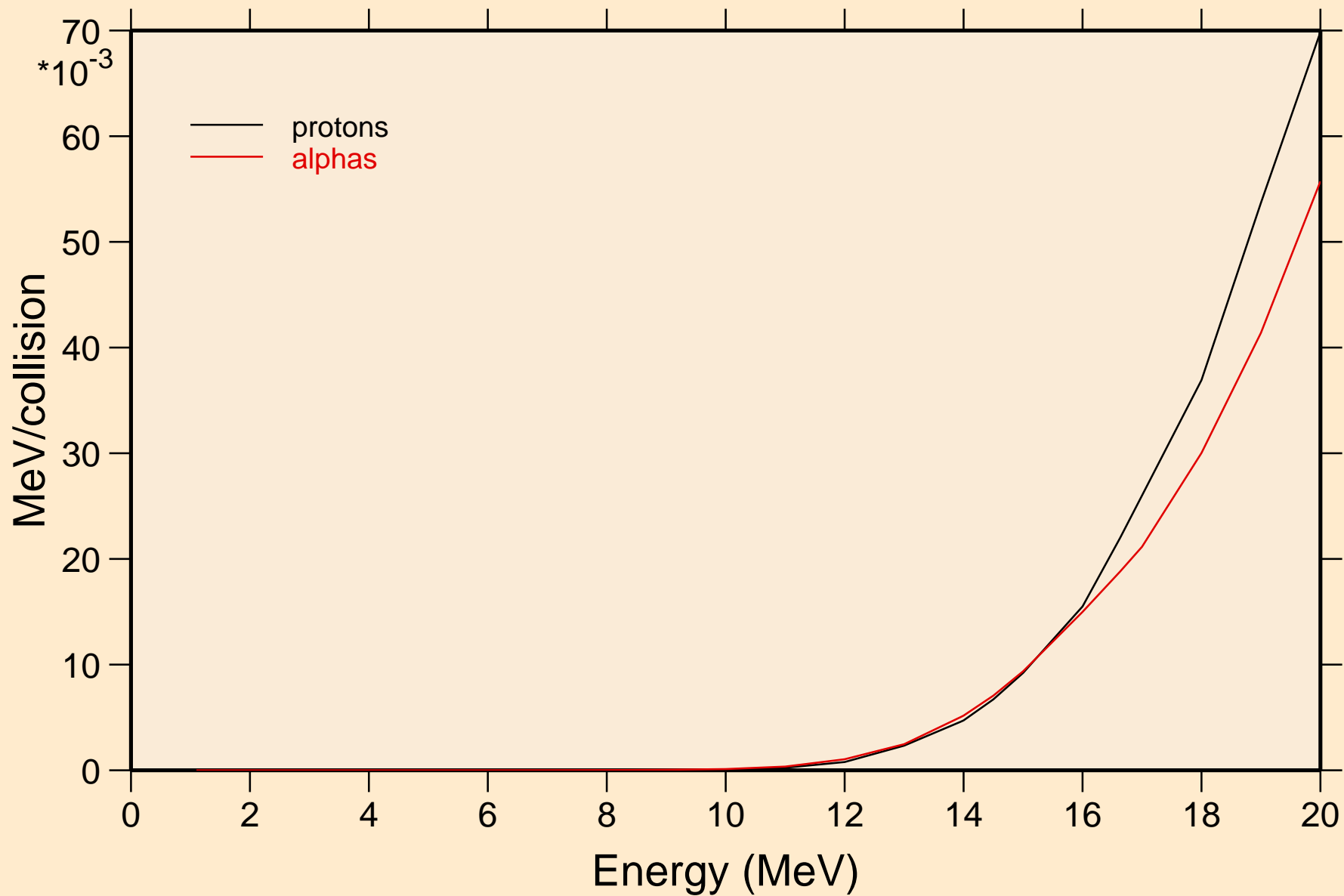


ENDF/B-VII SM-152  
14 MeV photon spectrum



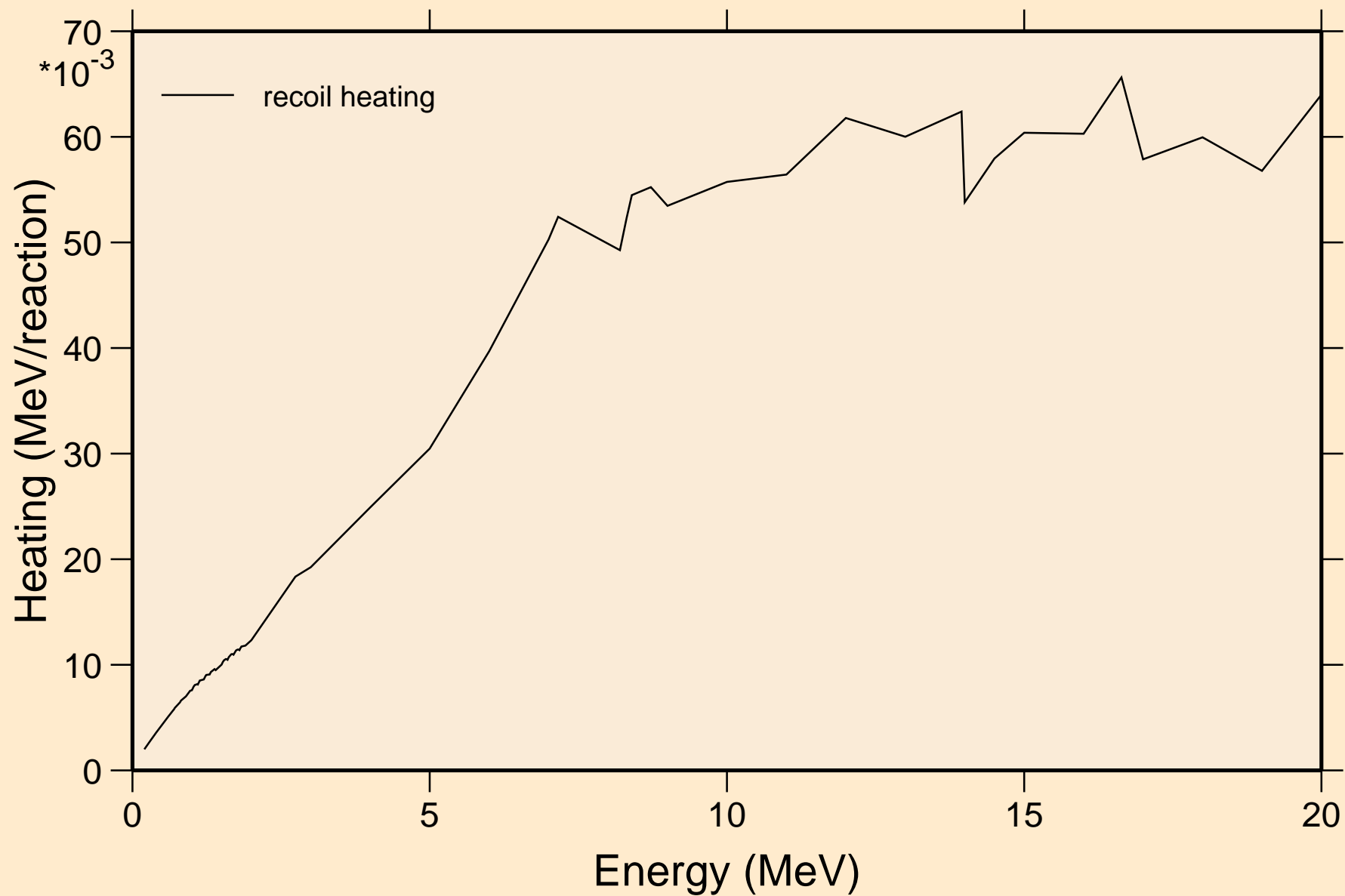
# ENDF/B-VII SM-152

## Particle heating contributions



# ENDF/B-VII SM-152

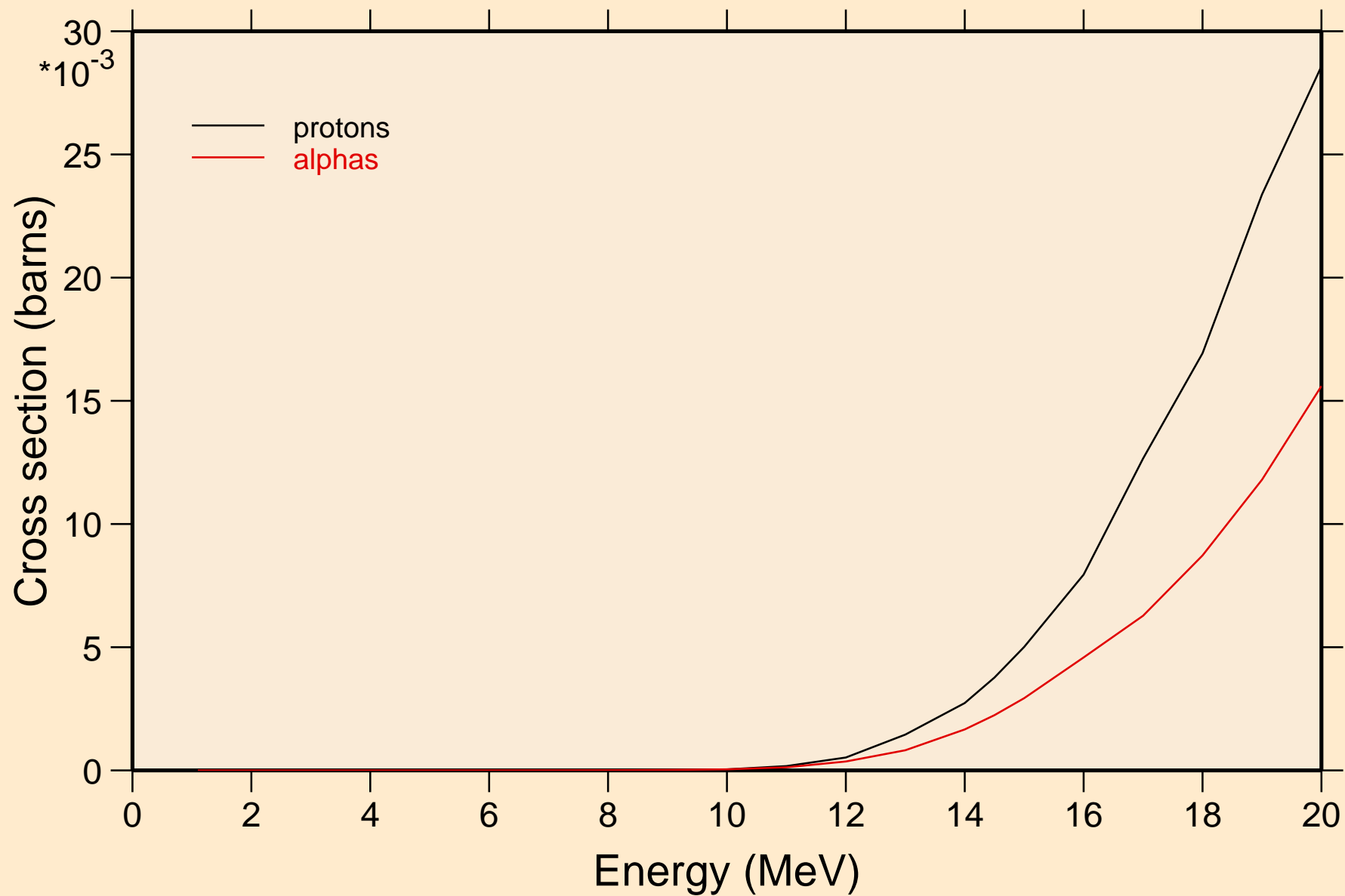
## Recoil Heating



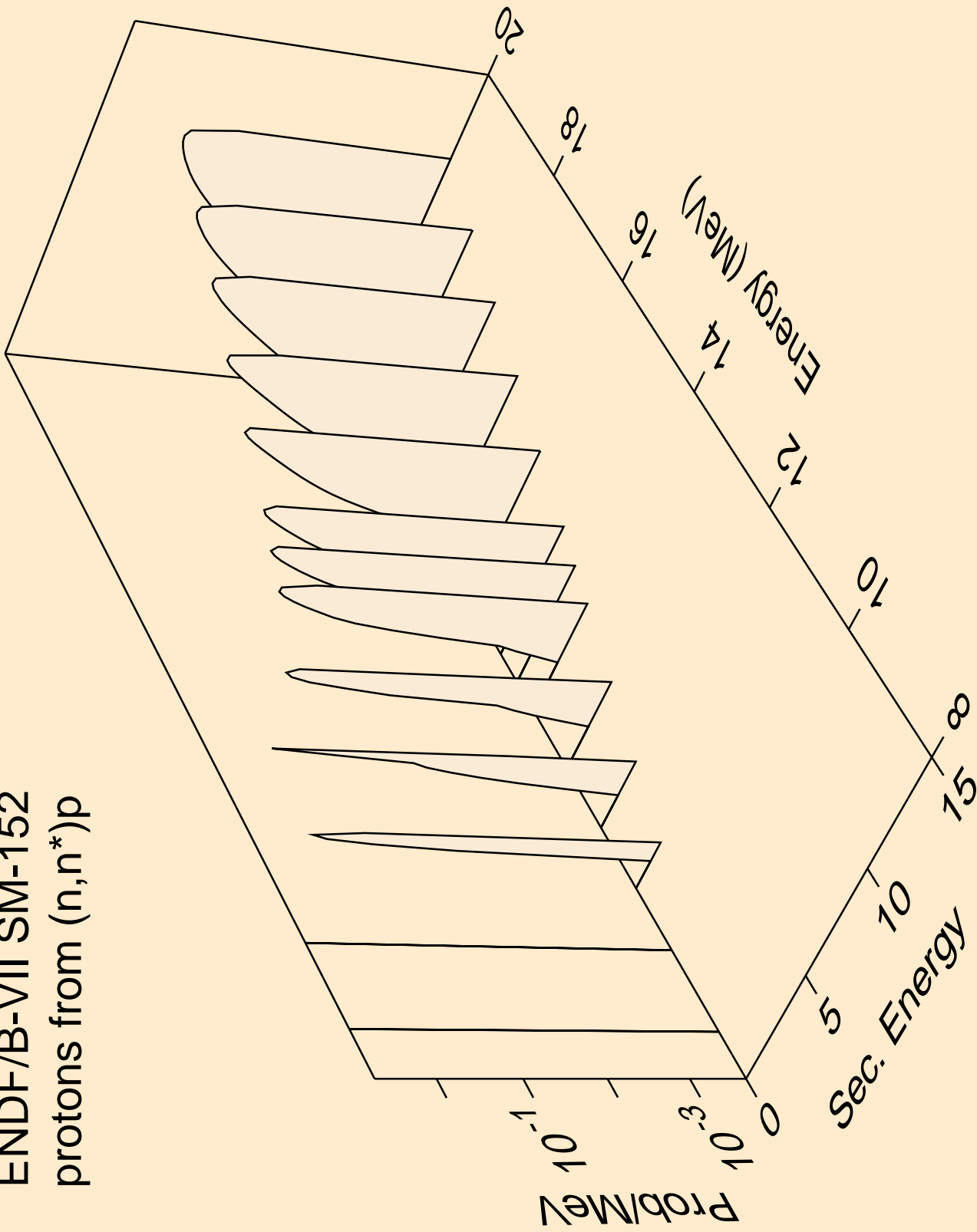


# ENDF/B-VII SM-152

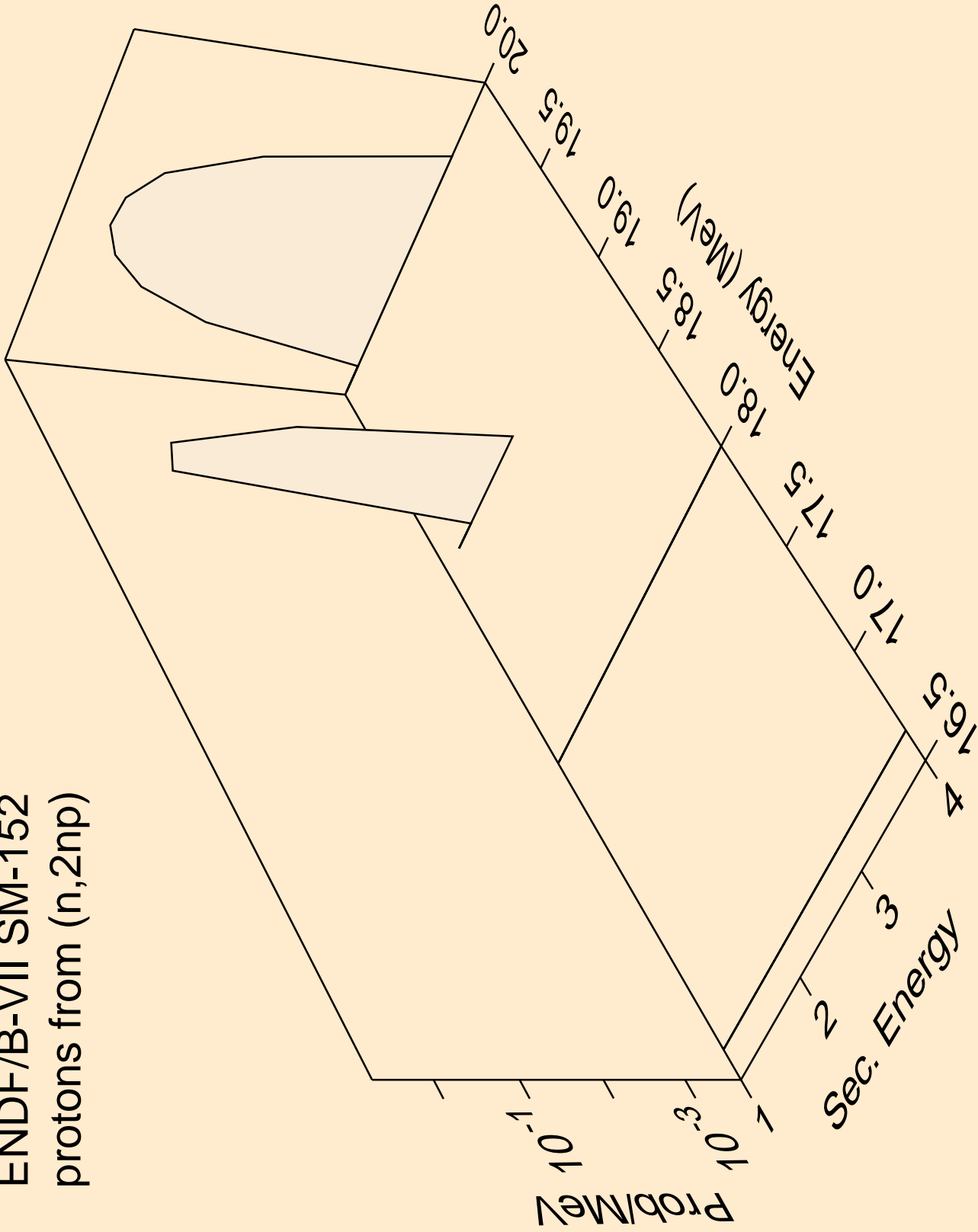
## Particle production cross sections



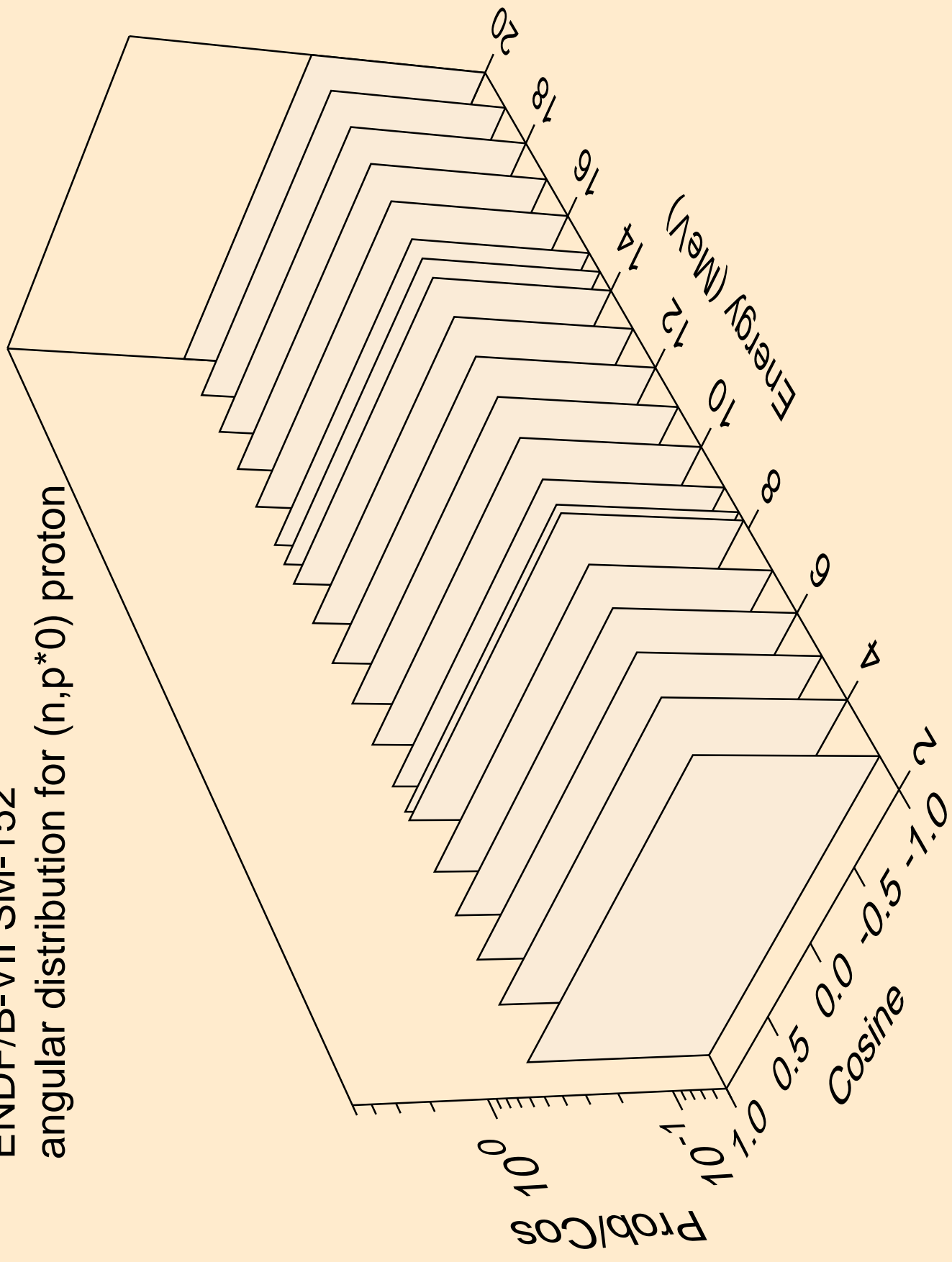
ENDF/B-VII SM-152  
protons from (n,n\*)p



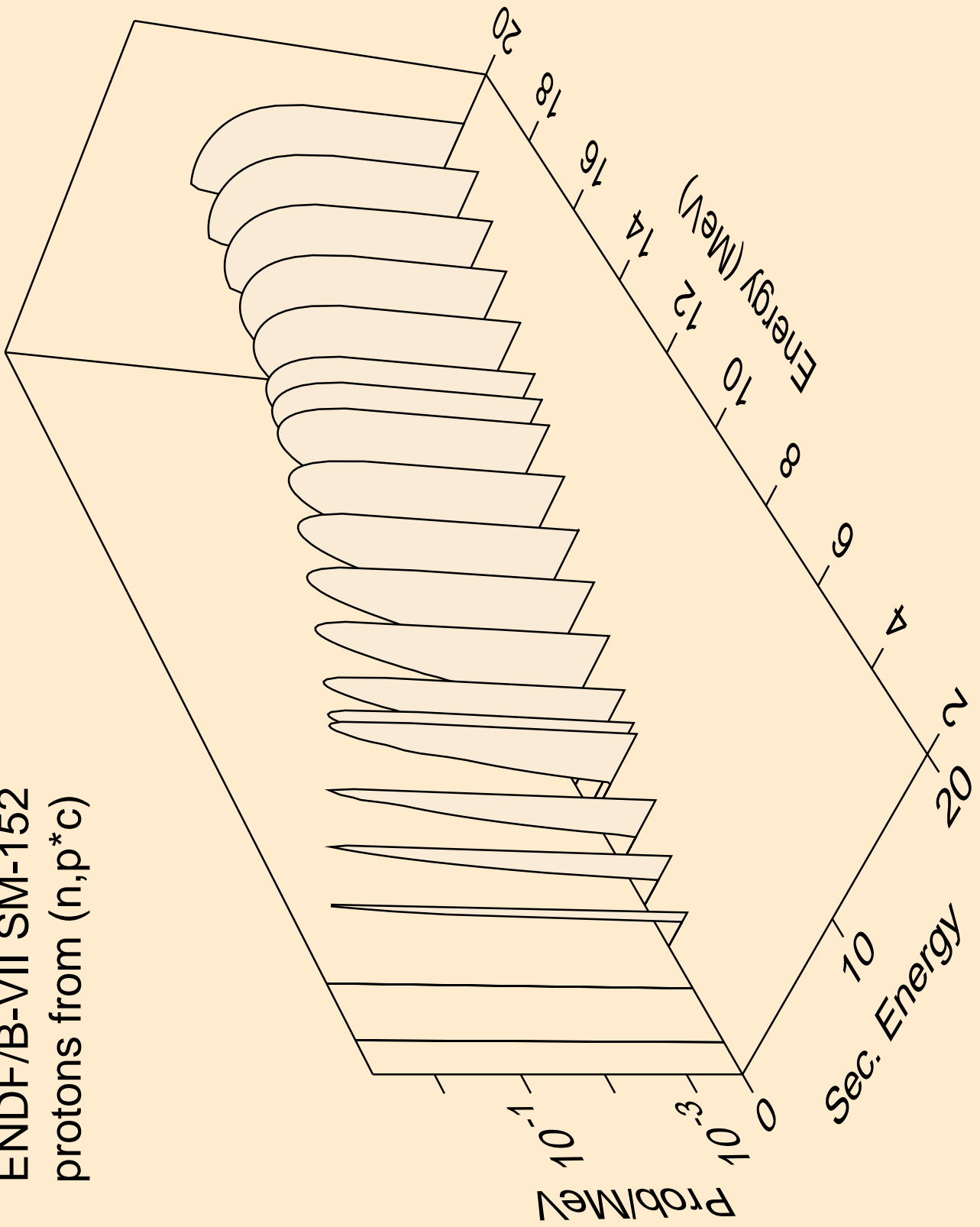
ENDF/B-VII SM-152  
protons from (n,2np)



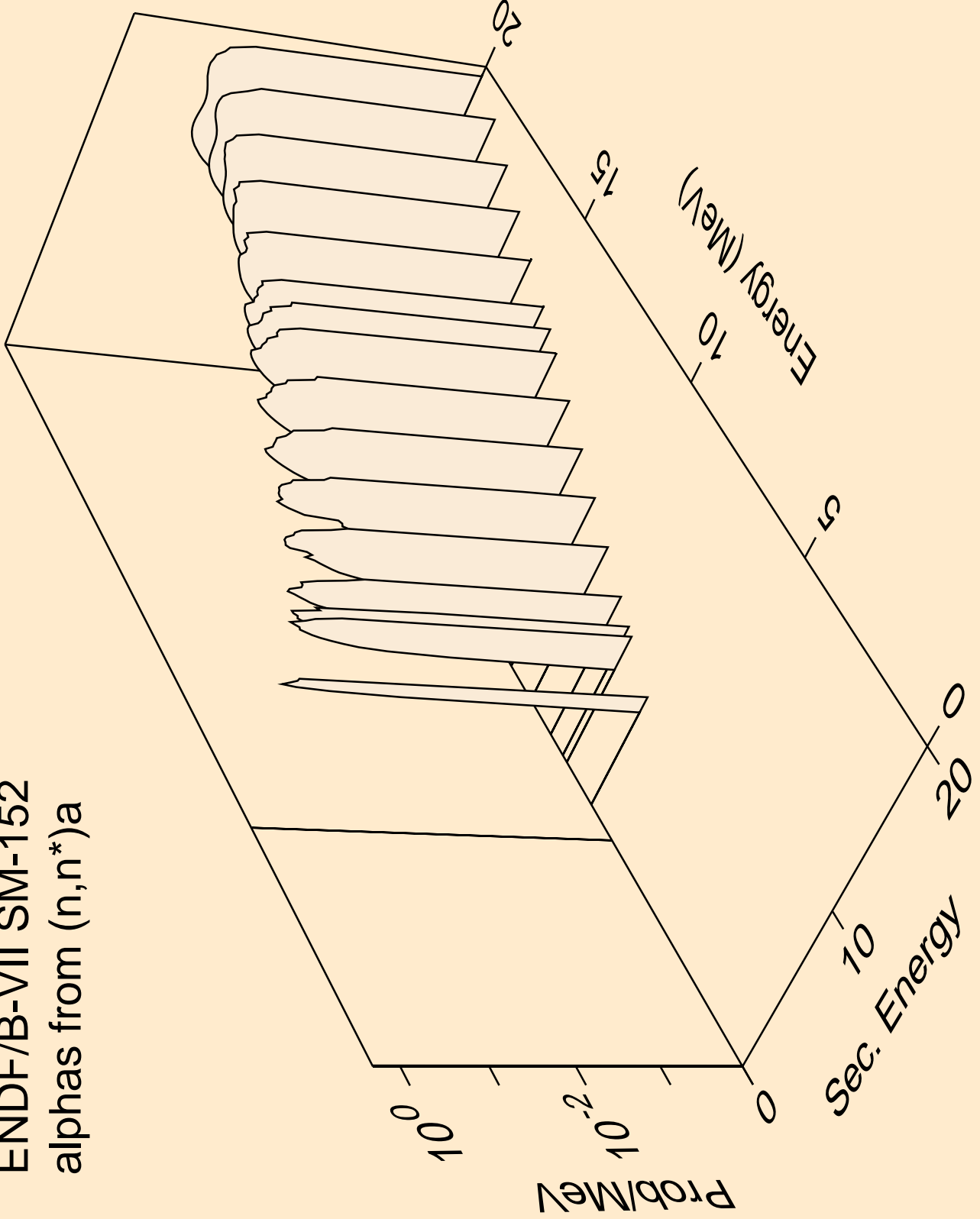
ENDF/B-VII SM-152  
angular distribution for (n,p\*0) proton



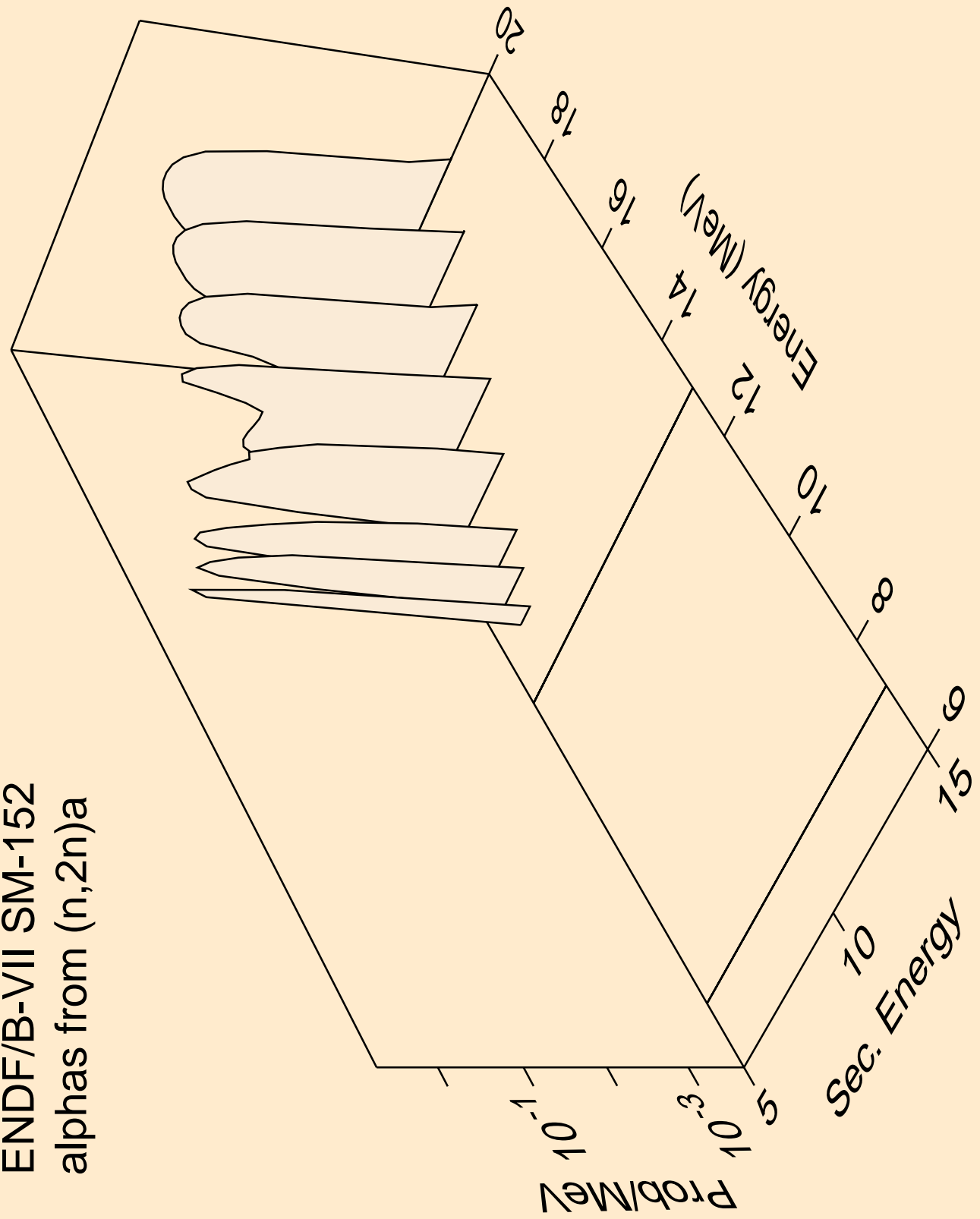
ENDF/B-VII SM-152  
protons from (n,p\*c)



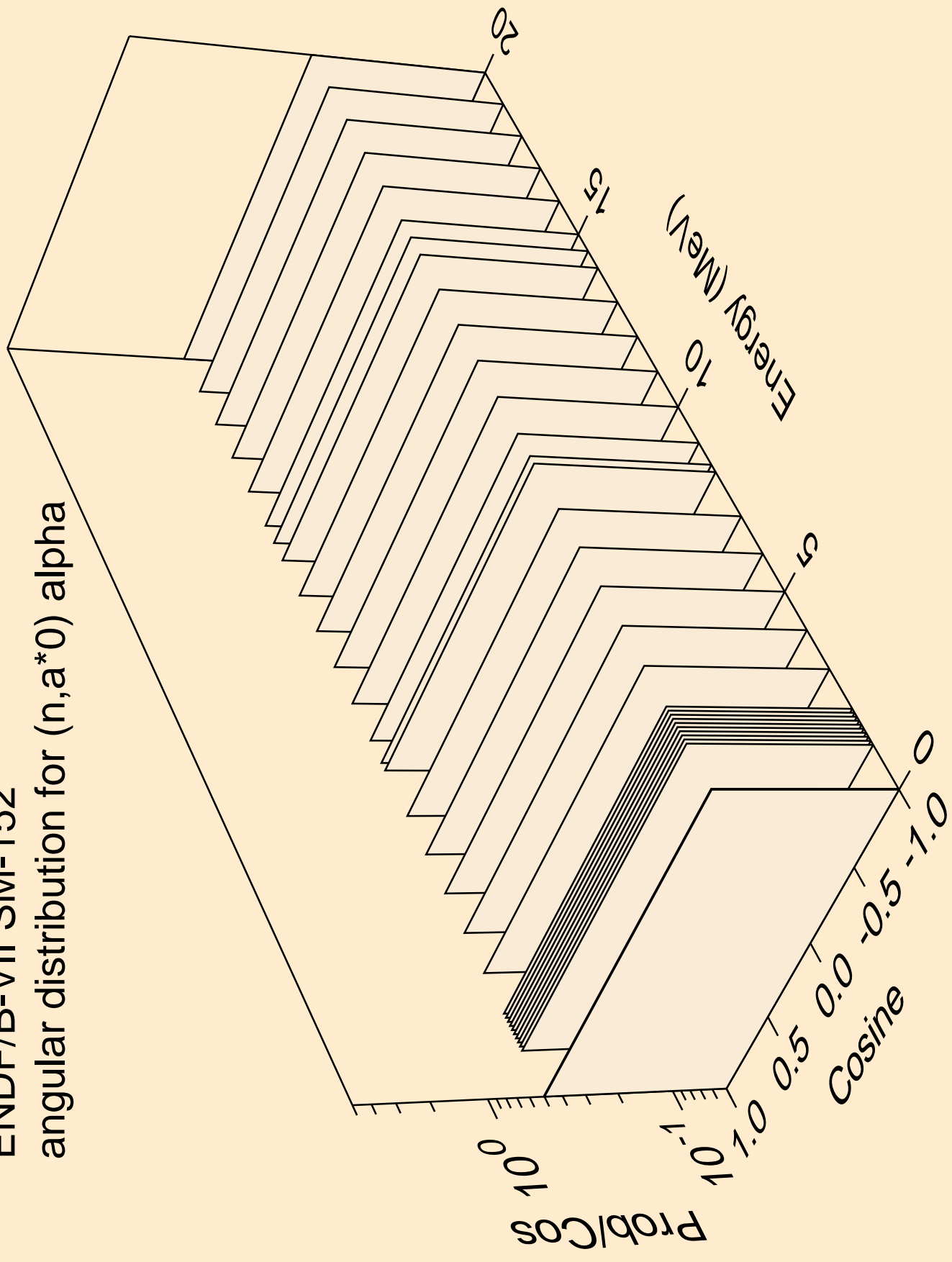
ENDF/B-VII SM-152  
alphas from (n,n\*)a



ENDF/B-VII SM-152  
alphas from (n,2n)a

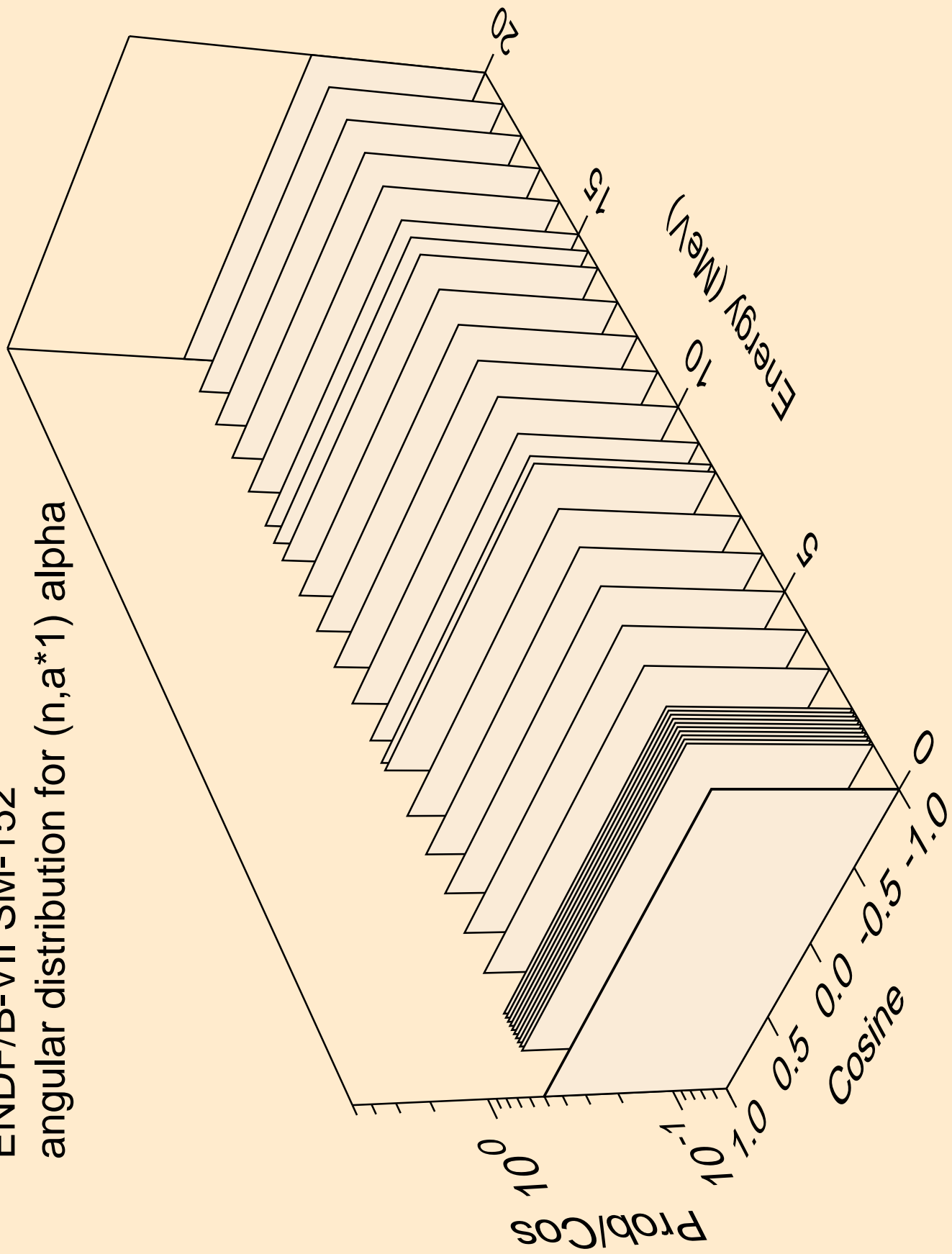


ENDF/B-VII SM-152  
angular distribution for (n,a\*0) alpha

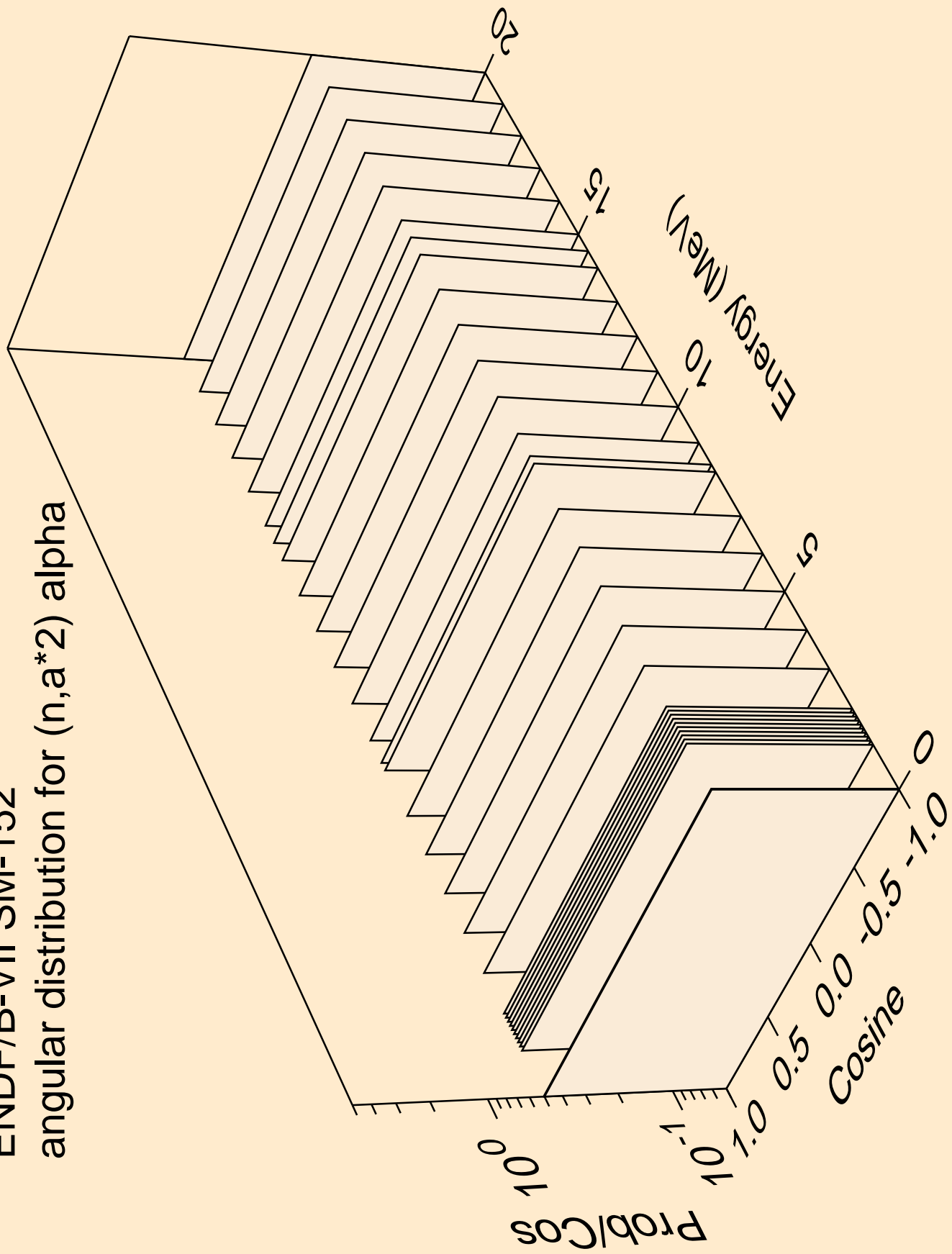




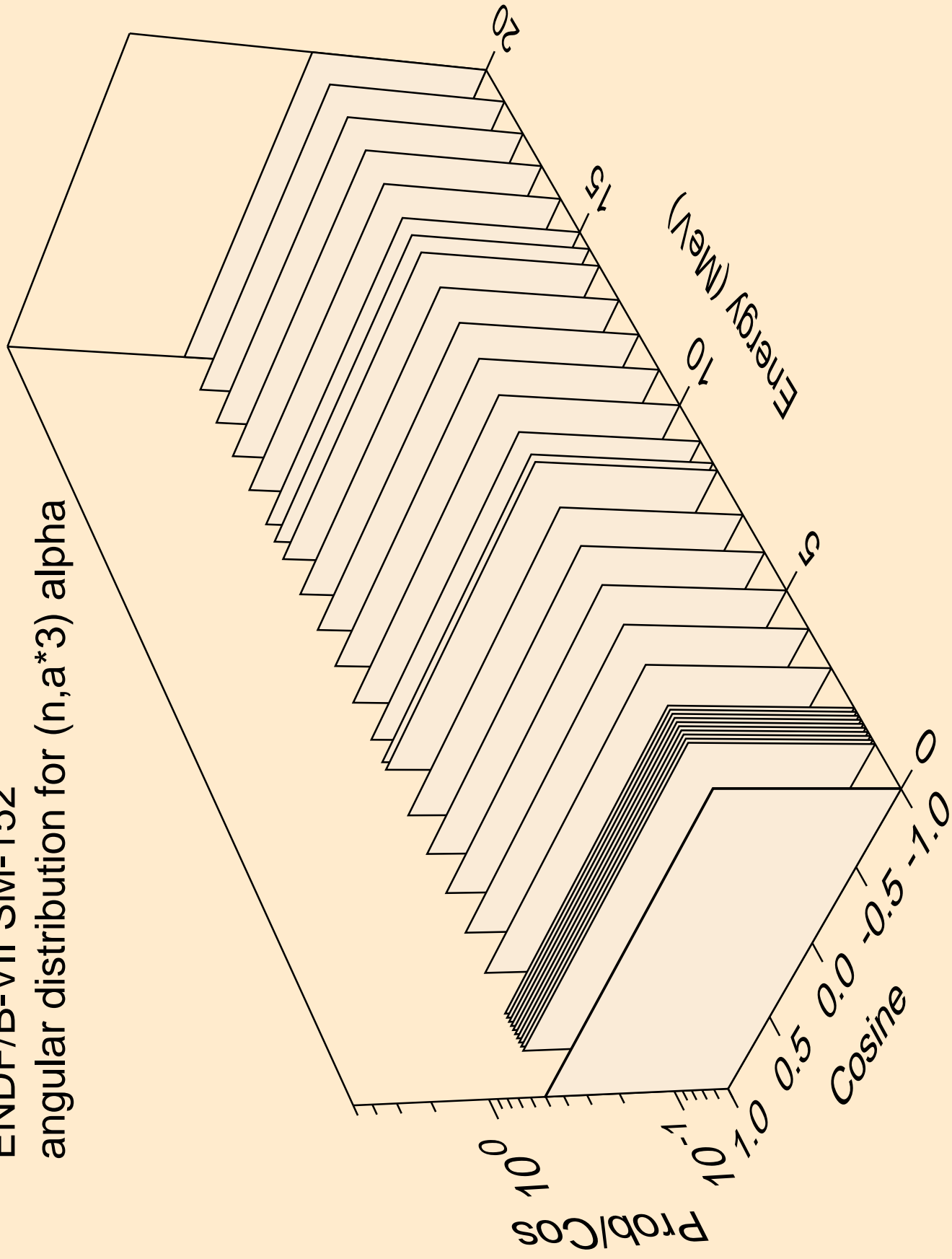
ENDF/B-VII SM-152  
angular distribution for (n,a\*1) alpha



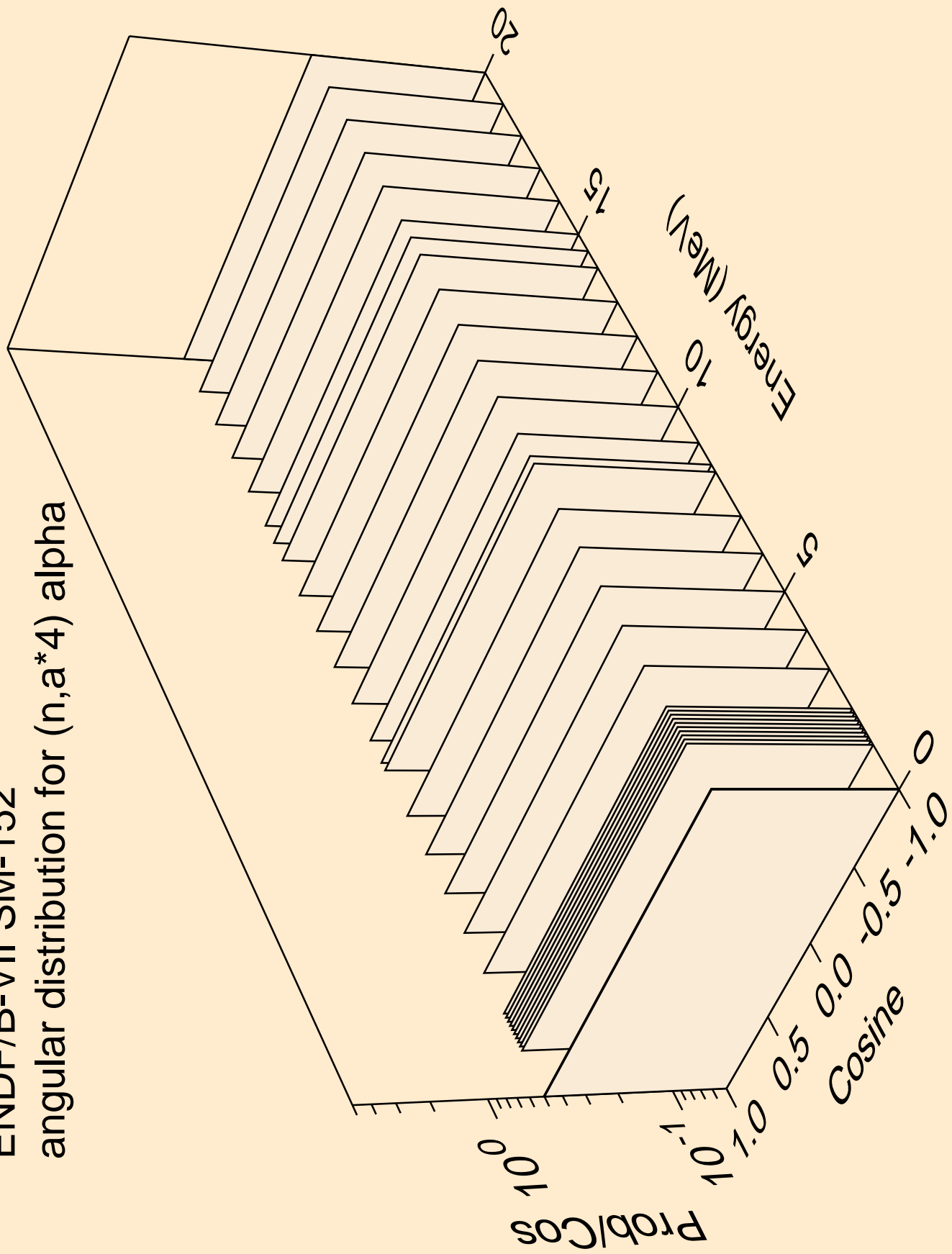
ENDF/B-VII SM-152  
angular distribution for (n,a\*2) alpha



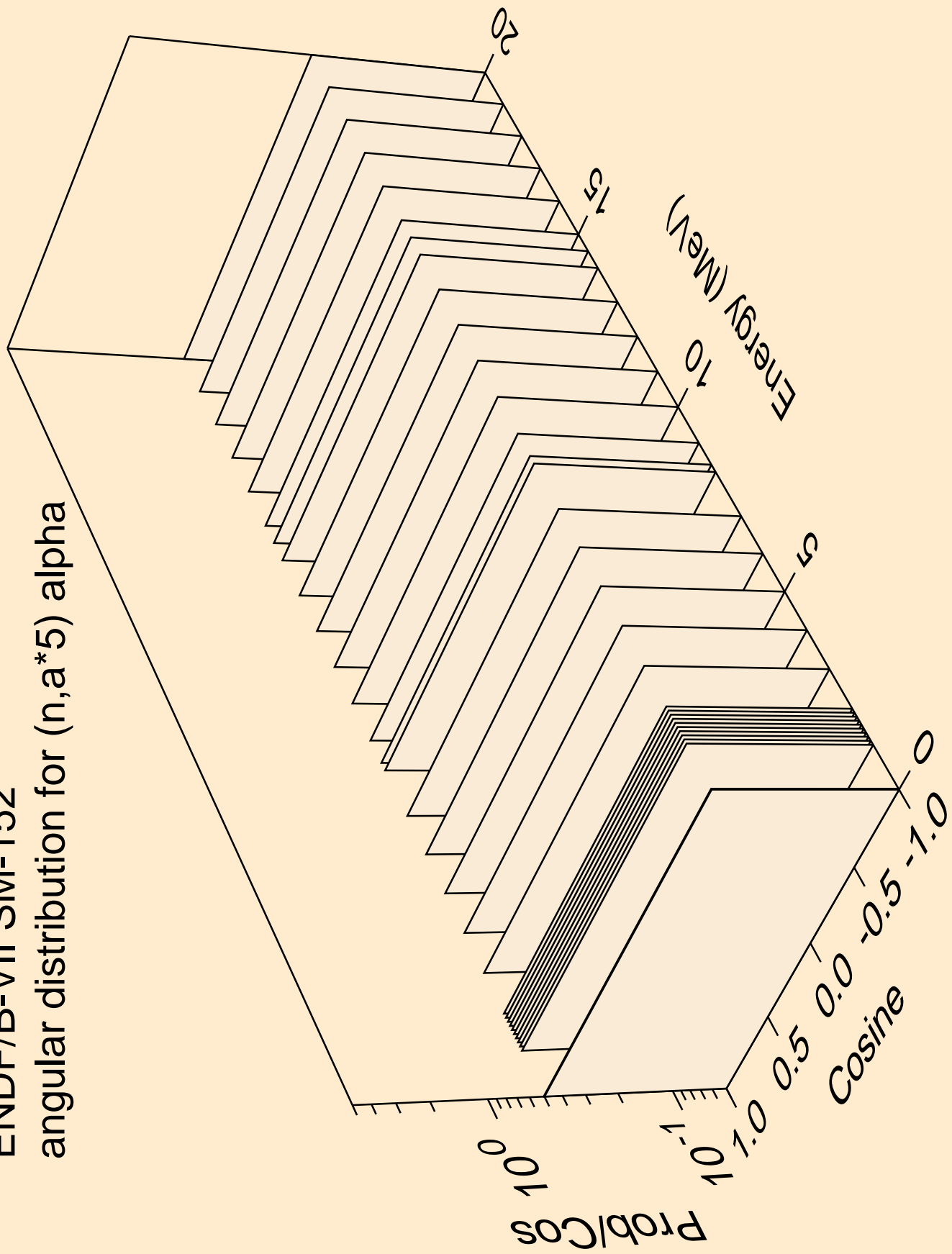
ENDF/B-VII SM-152  
angular distribution for (n,a\*3) alpha



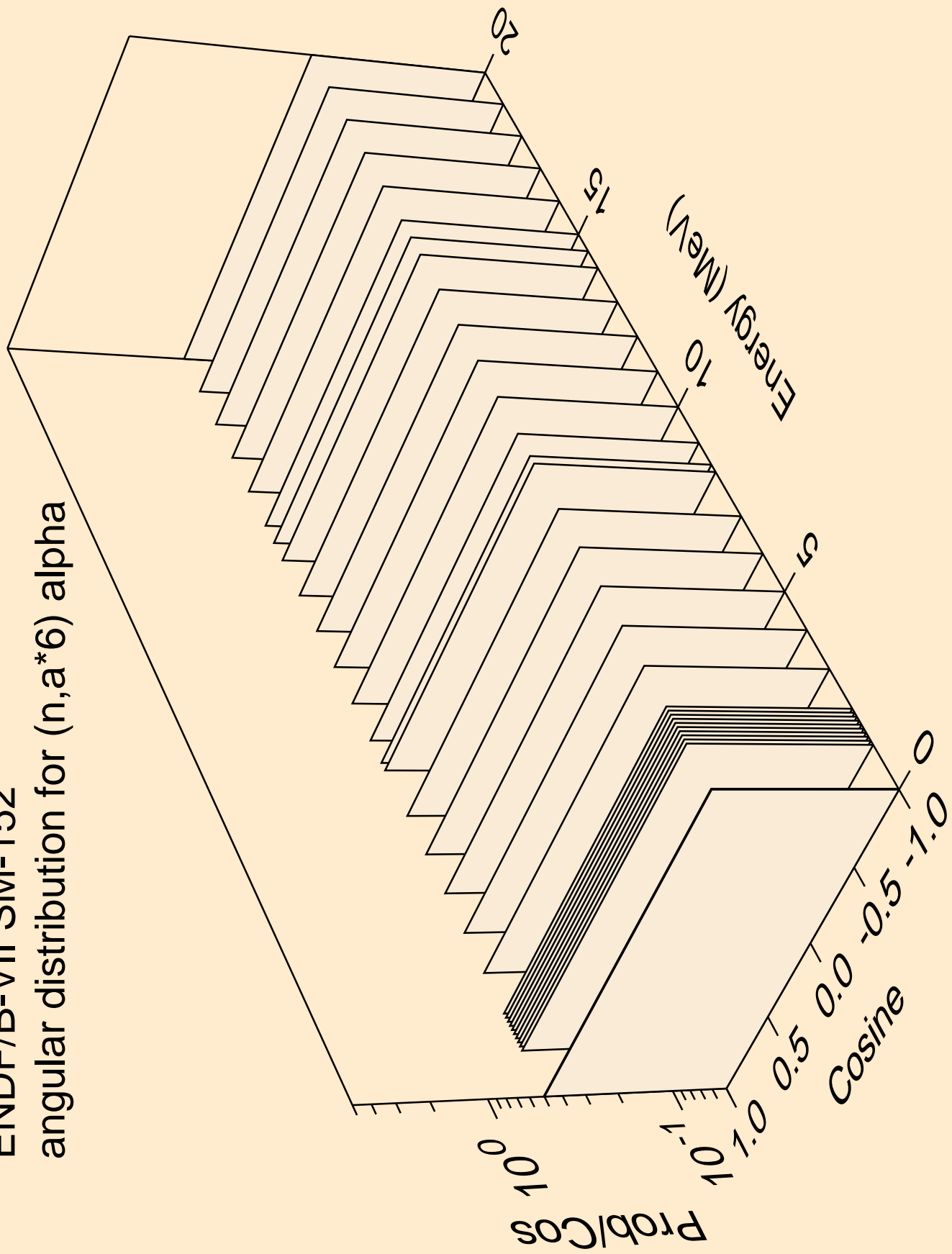
ENDF/B-VII SM-152  
angular distribution for (n,a\*4) alpha



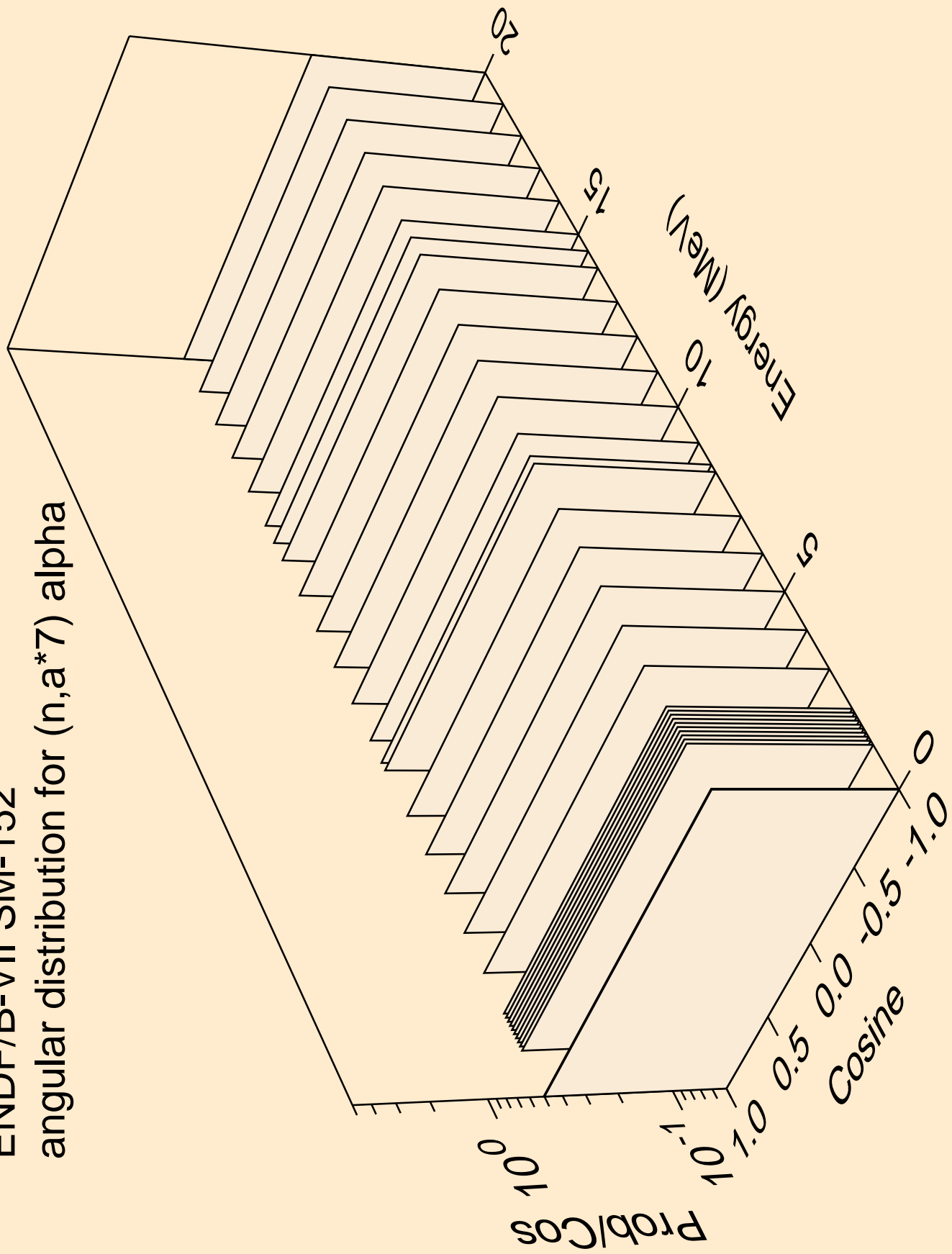
ENDF/B-VII SM-152  
angular distribution for (n,a\*5) alpha



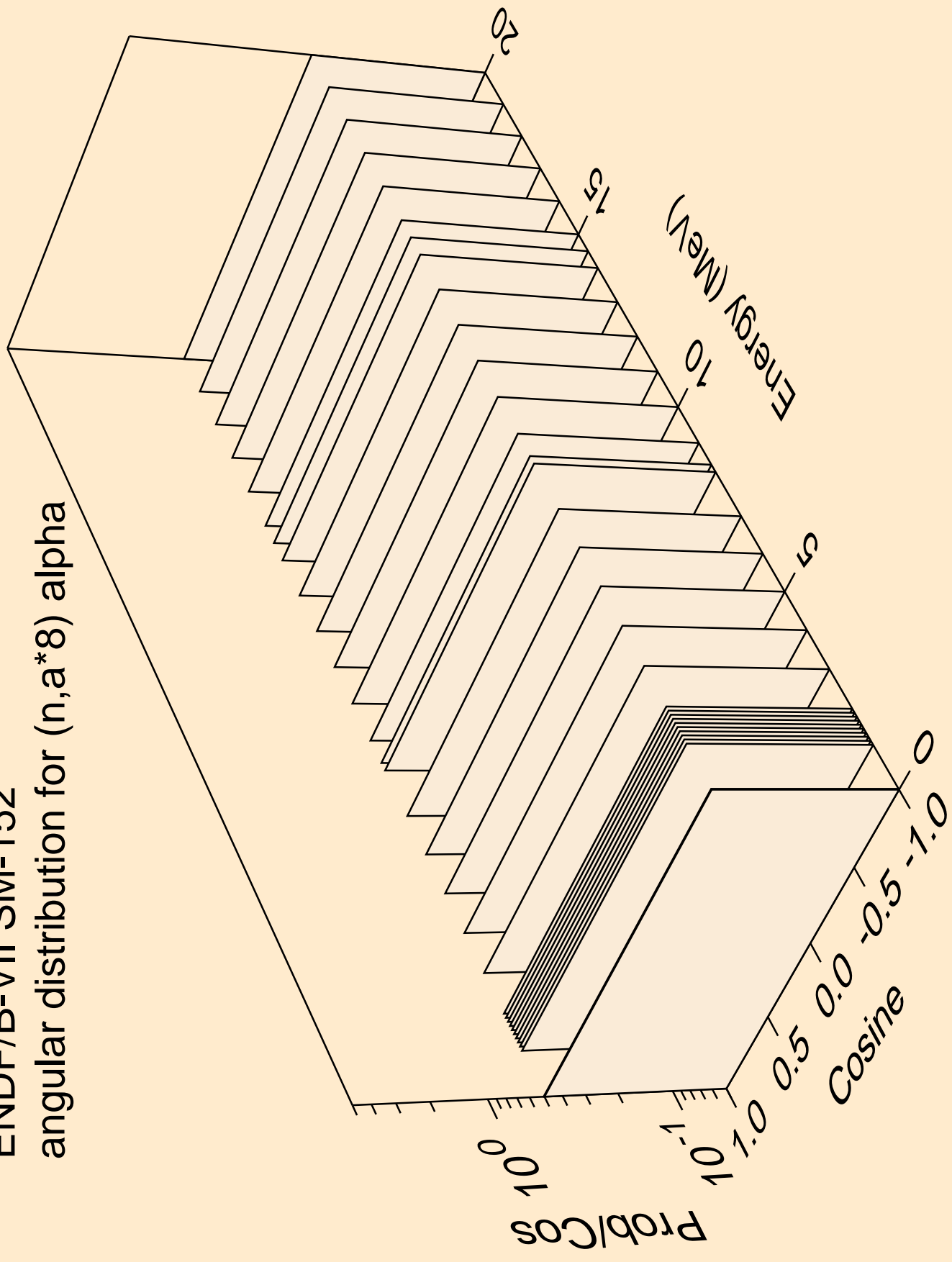
ENDF/B-VII SM-152  
angular distribution for (n,a\*6) alpha



ENDF/B-VII SM-152  
angular distribution for (n,a\*7) alpha

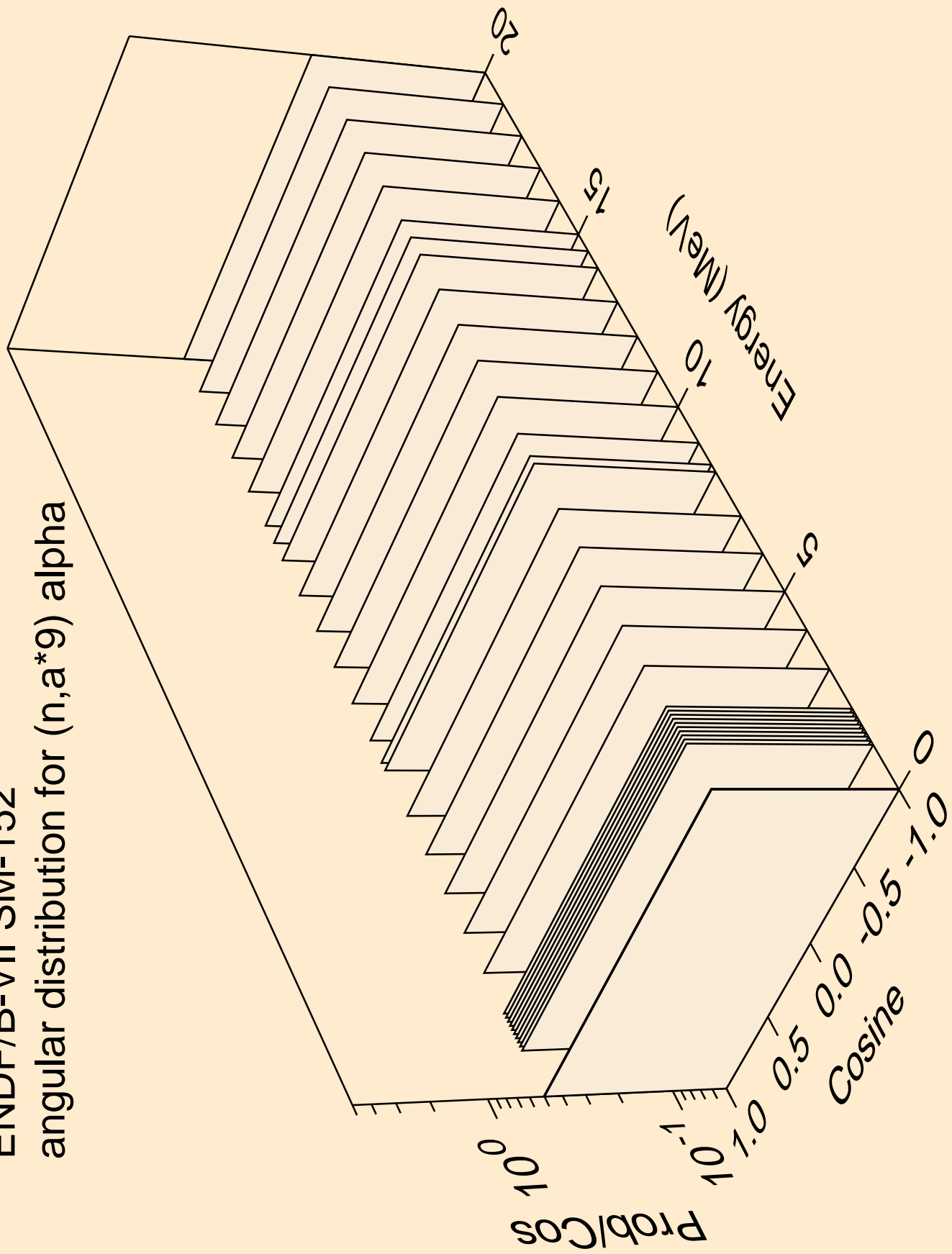


ENDF/B-VII SM-152  
angular distribution for (n,a\*8) alpha

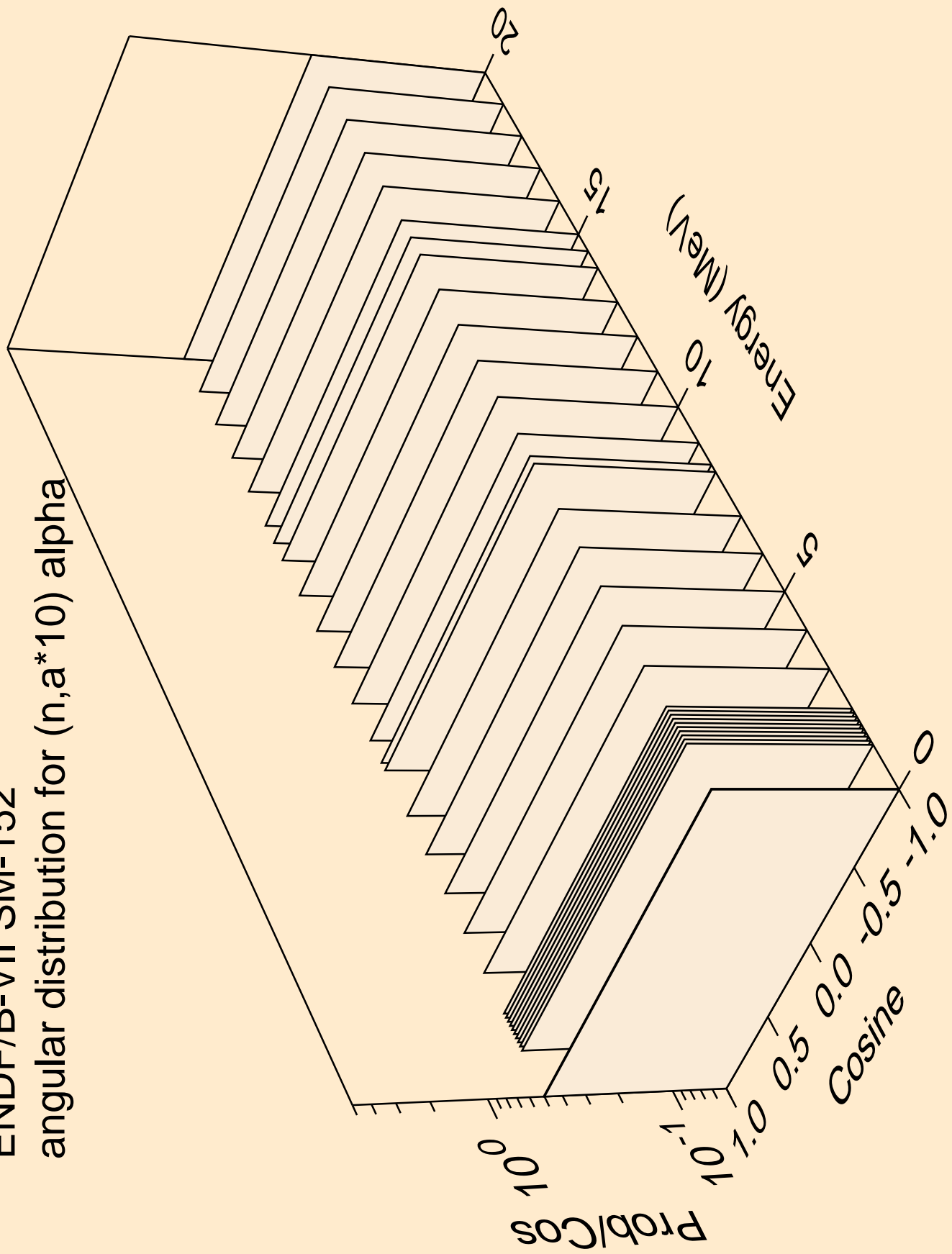




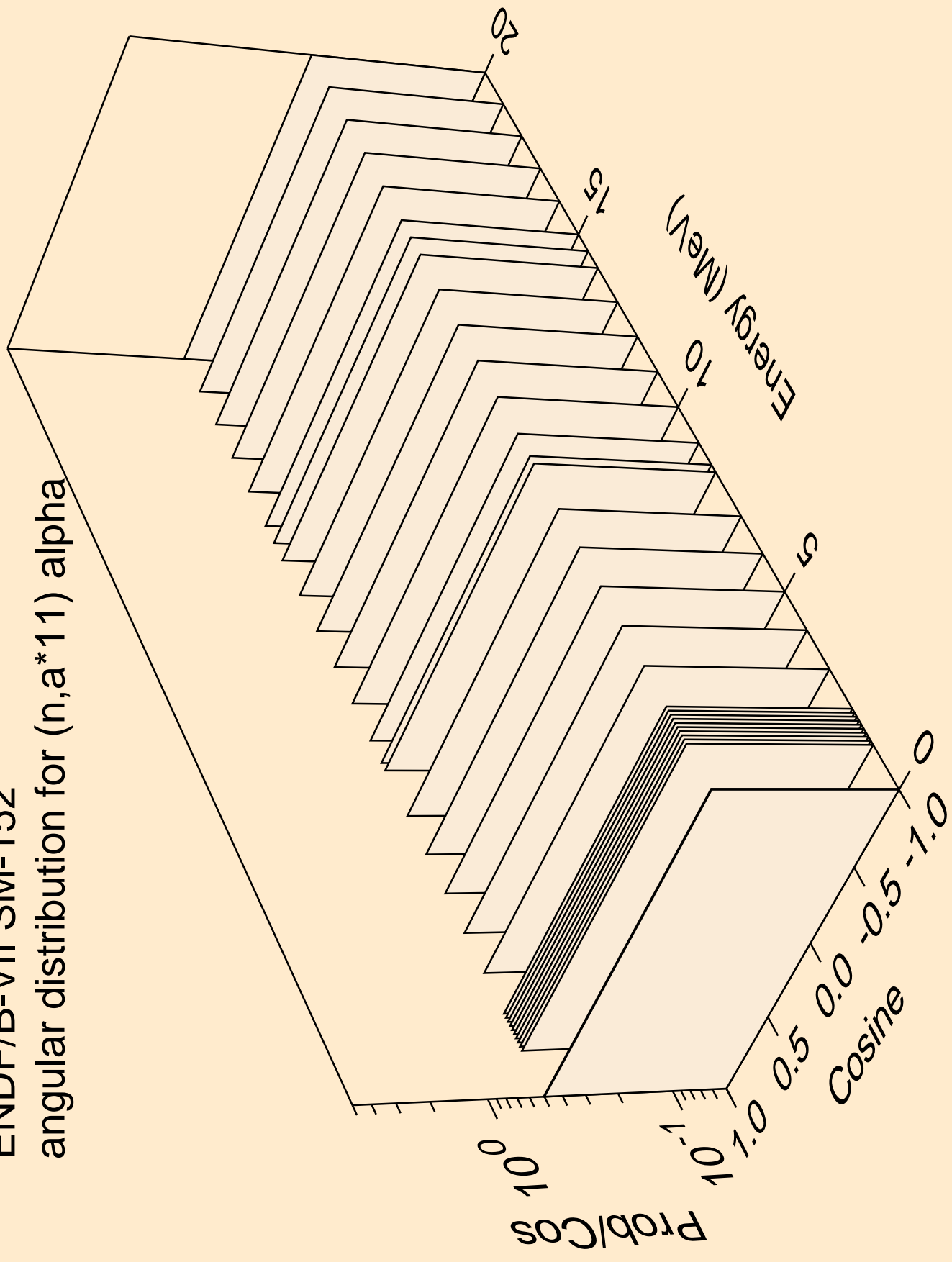
ENDF/B-VII SM-152  
angular distribution for (n,a\*9) alpha



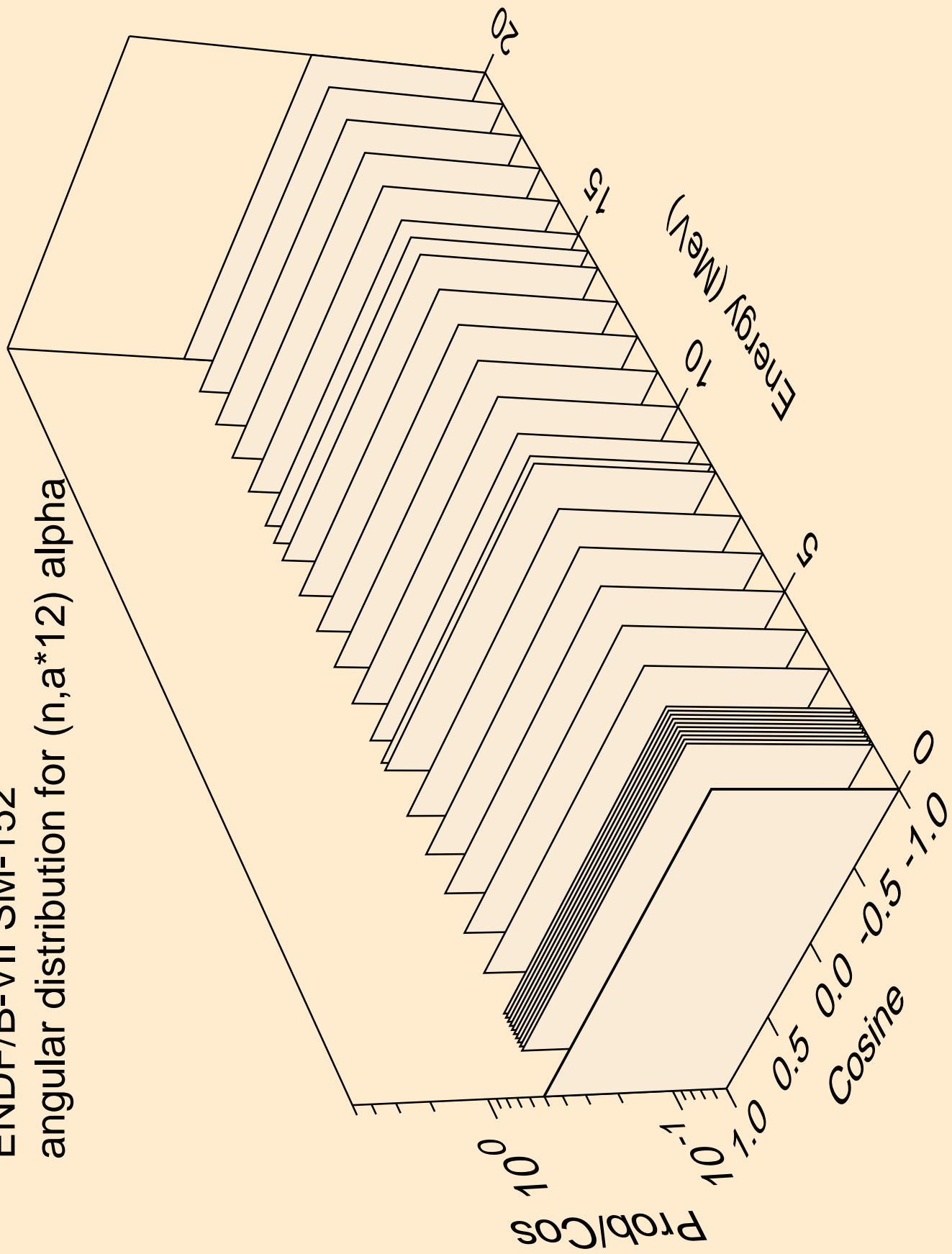
ENDF/B-VII SM-152  
angular distribution for (n,a\*10) alpha



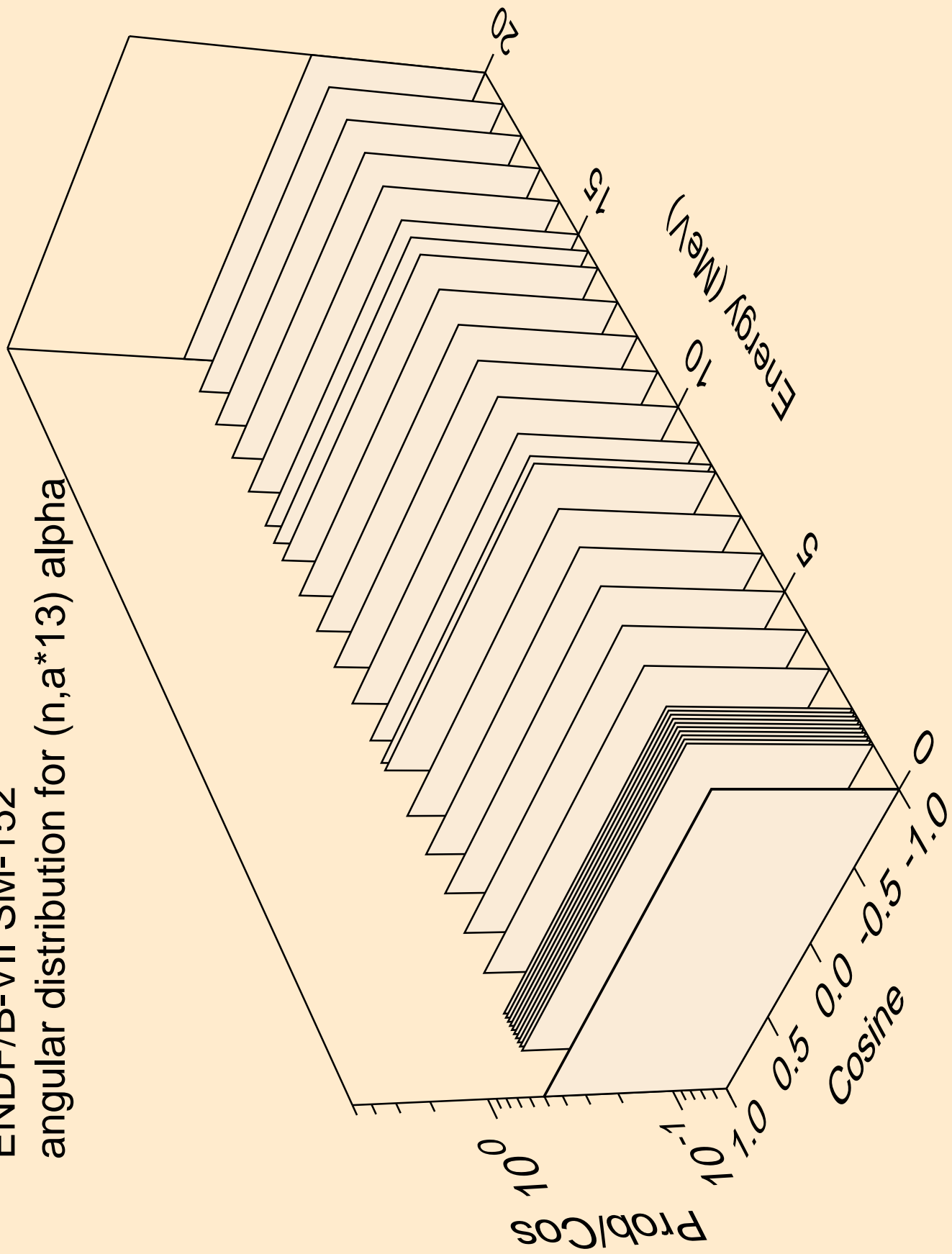
ENDF/B-VII SM-152  
angular distribution for (n,a\*11) alpha



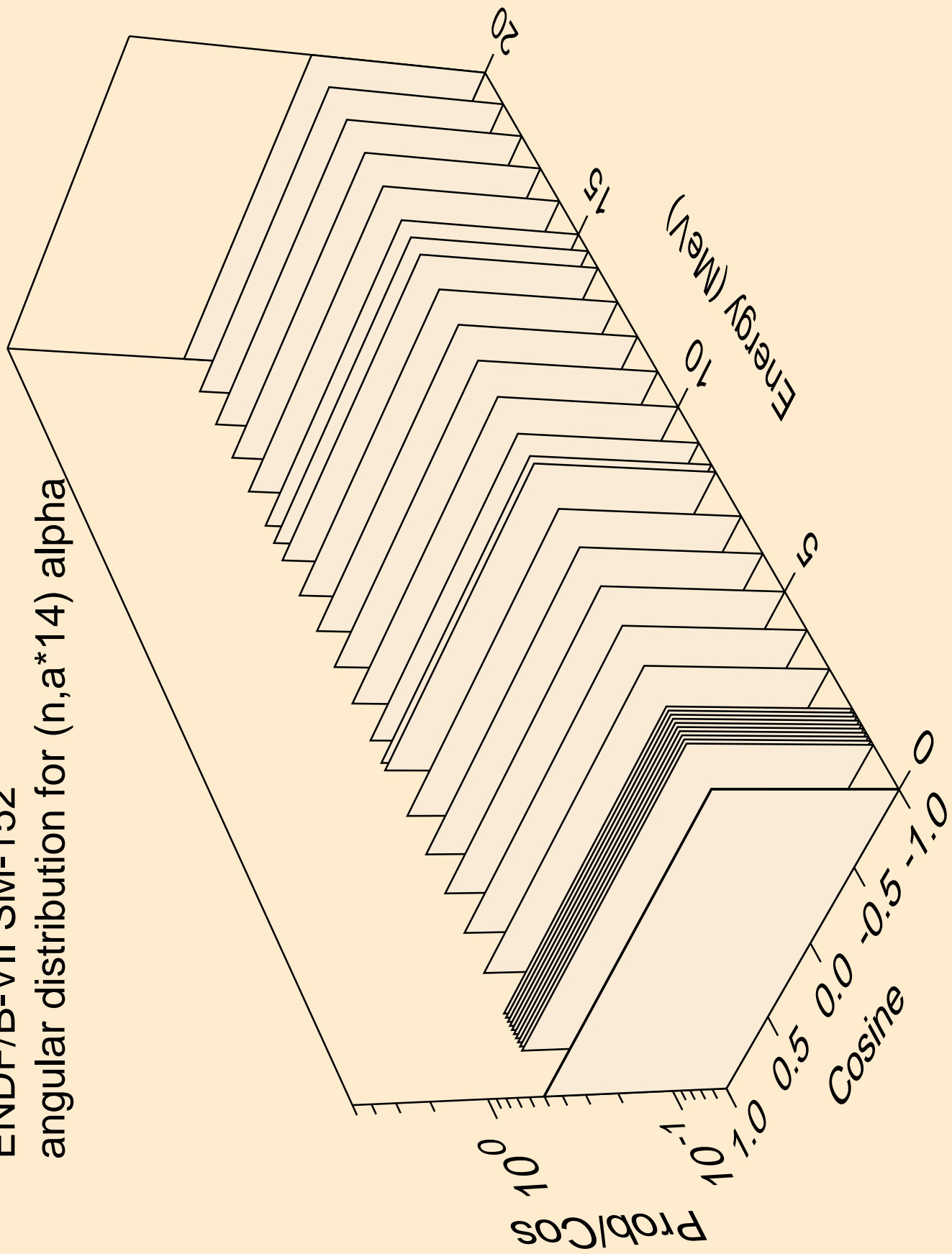
ENDF/B-VII SM-152  
angular distribution for (n,a\*12) alpha



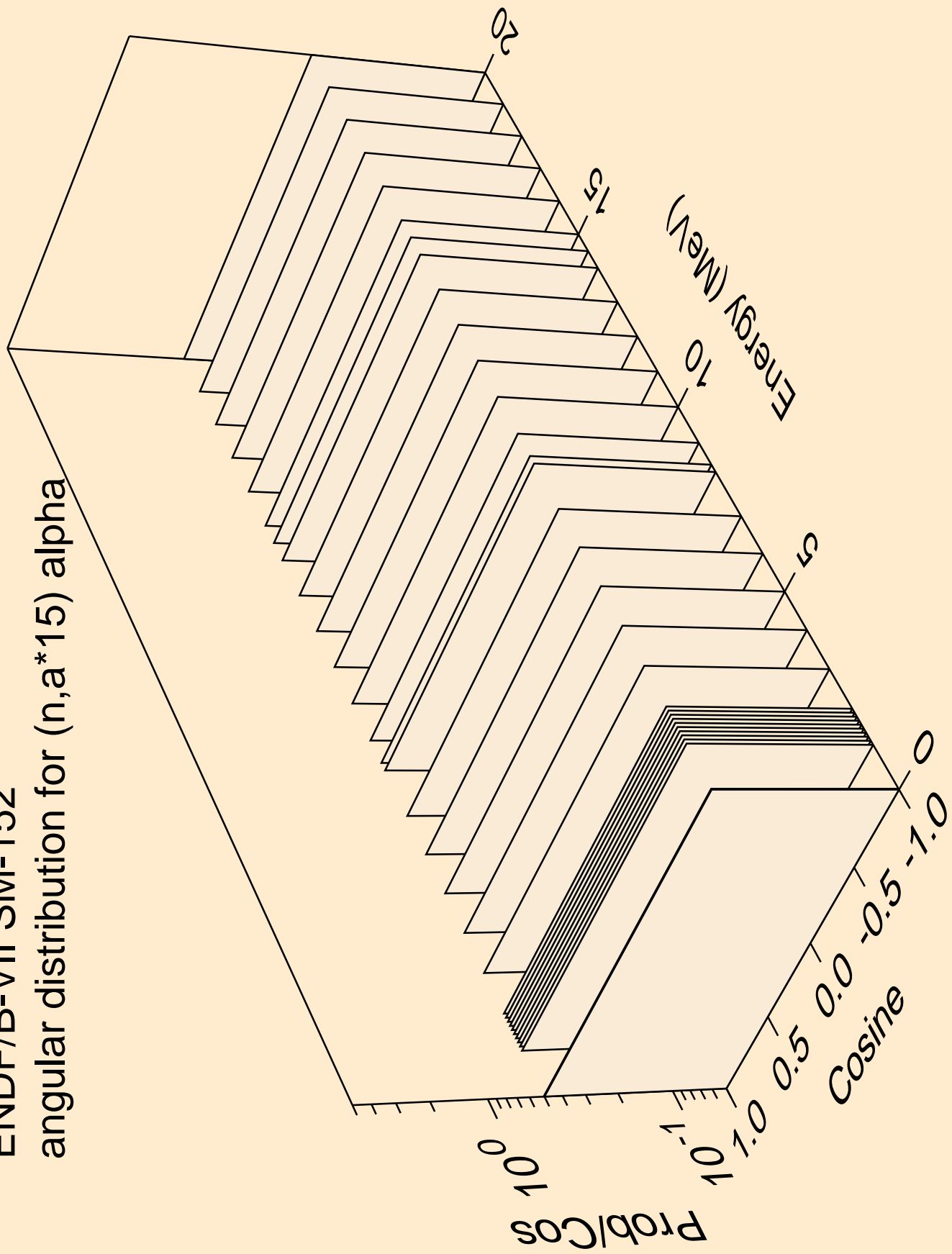
ENDF/B-VII SM-152  
angular distribution for (n,a\*13) alpha



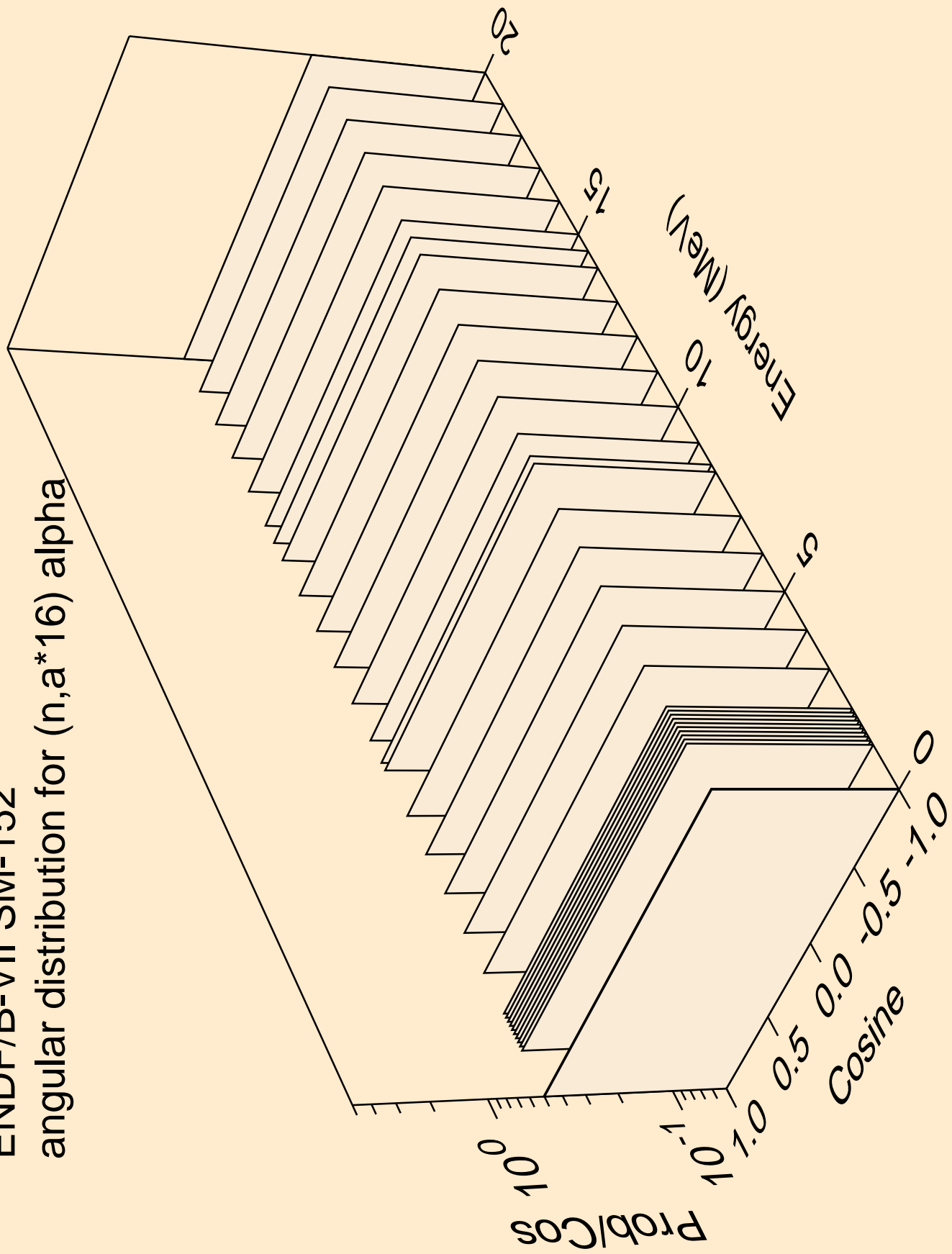
ENDF/B-VII SM-152  
angular distribution for (n,a\*14) alpha



ENDF/B-VII SM-152  
angular distribution for (n,a\*15) alpha

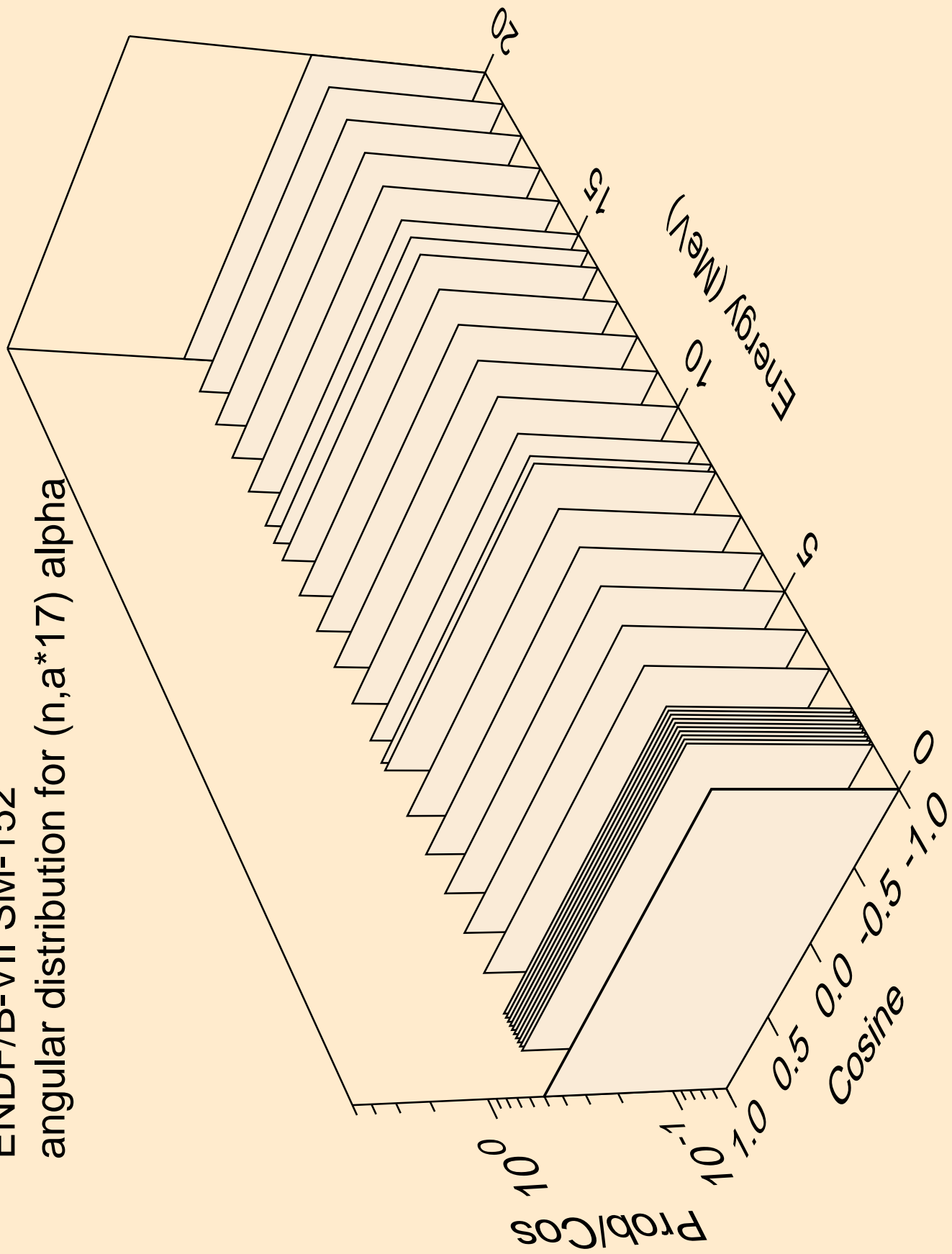


ENDF/B-VII SM-152  
angular distribution for (n,a\*16) alpha

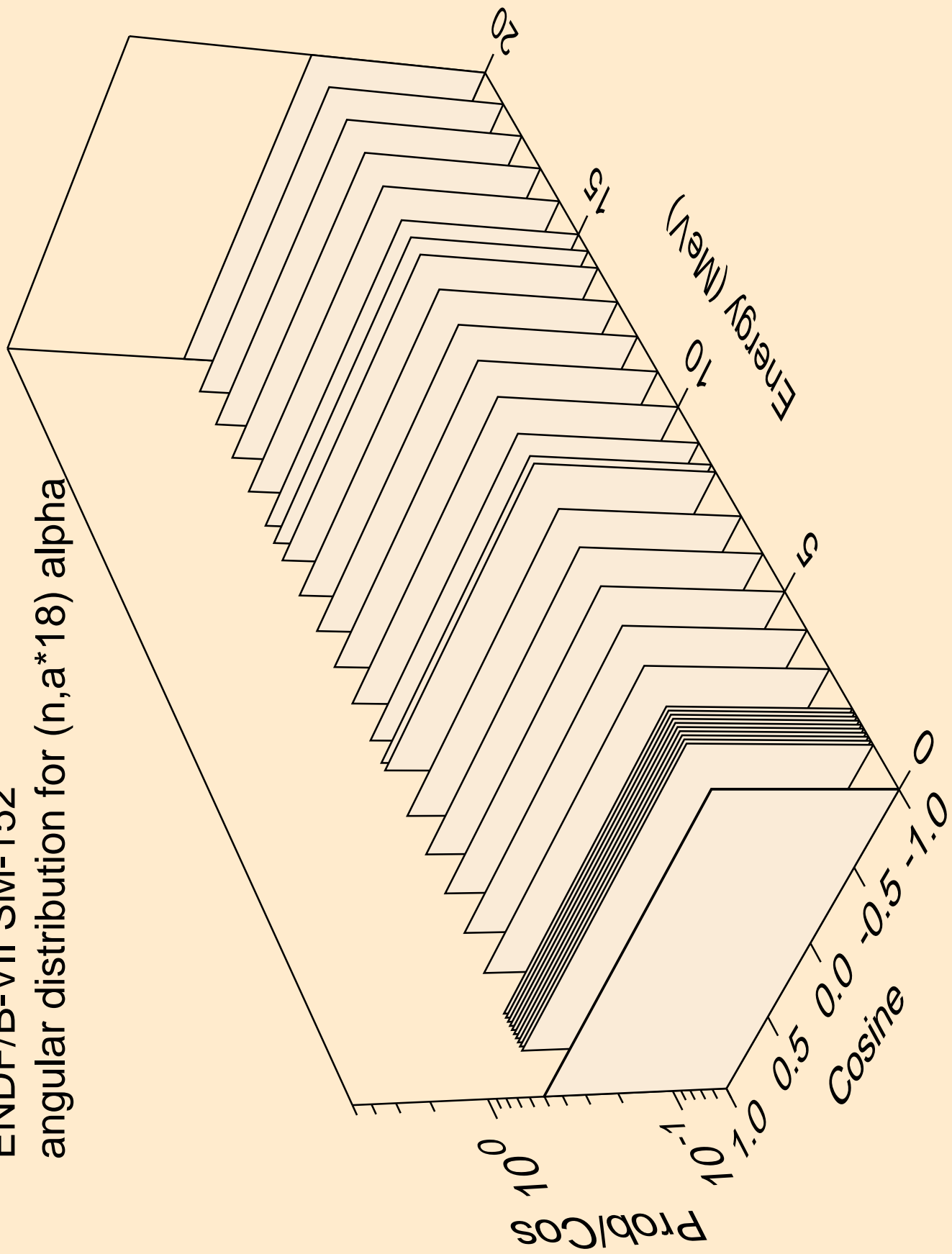




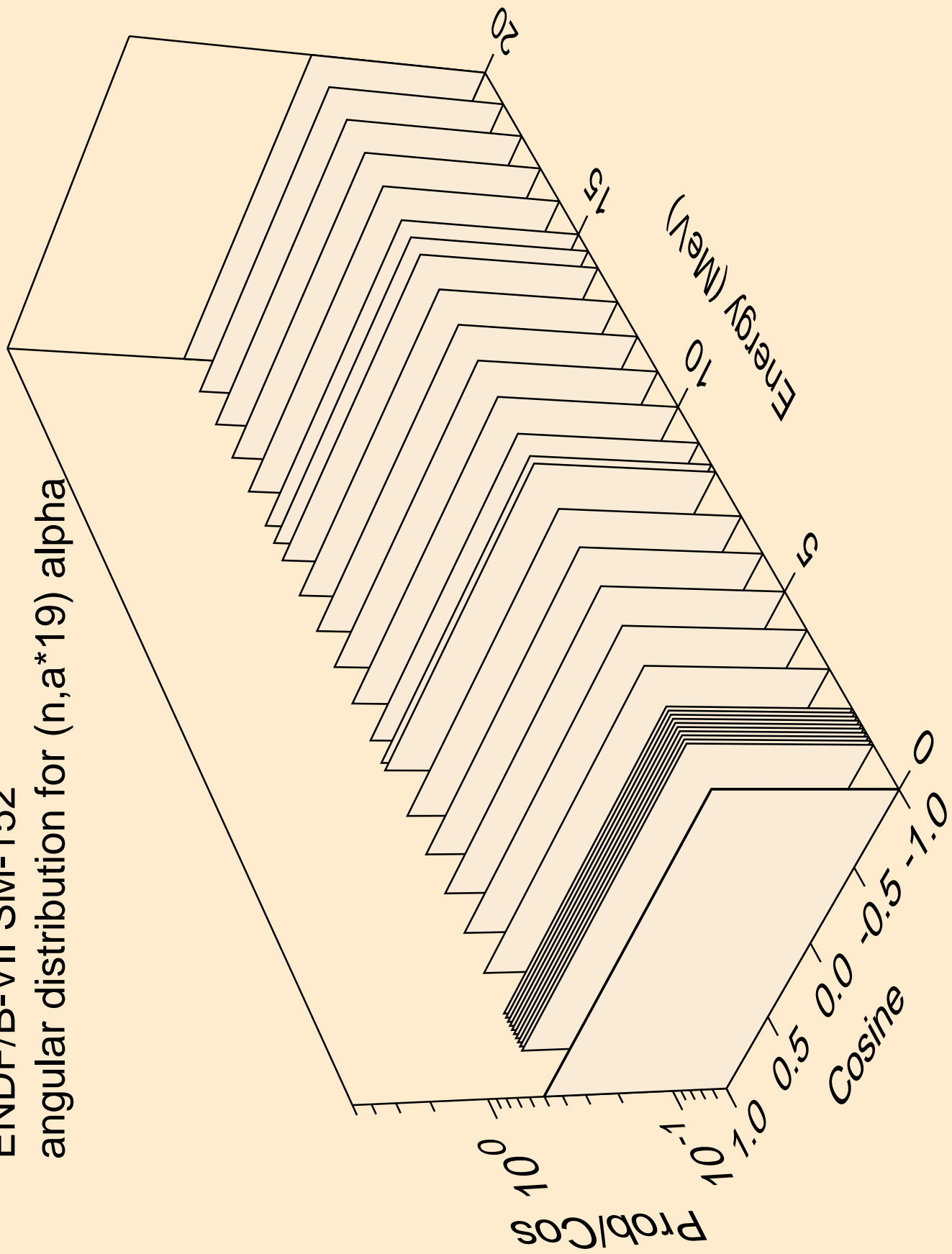
ENDF/B-VII SM-152  
angular distribution for (n,a\*17) alpha



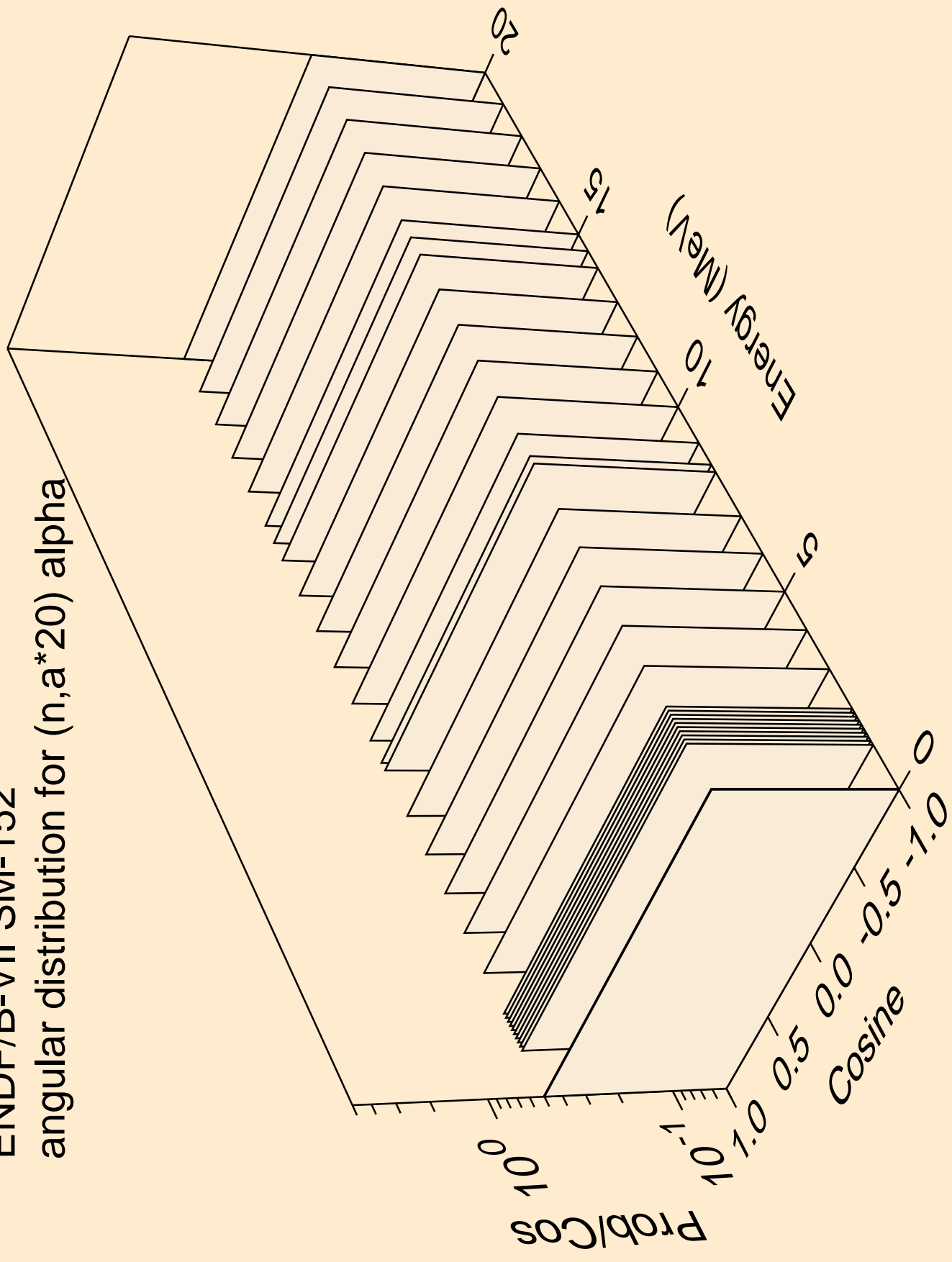
ENDF/B-VII SM-152  
angular distribution for (n,a\*18) alpha



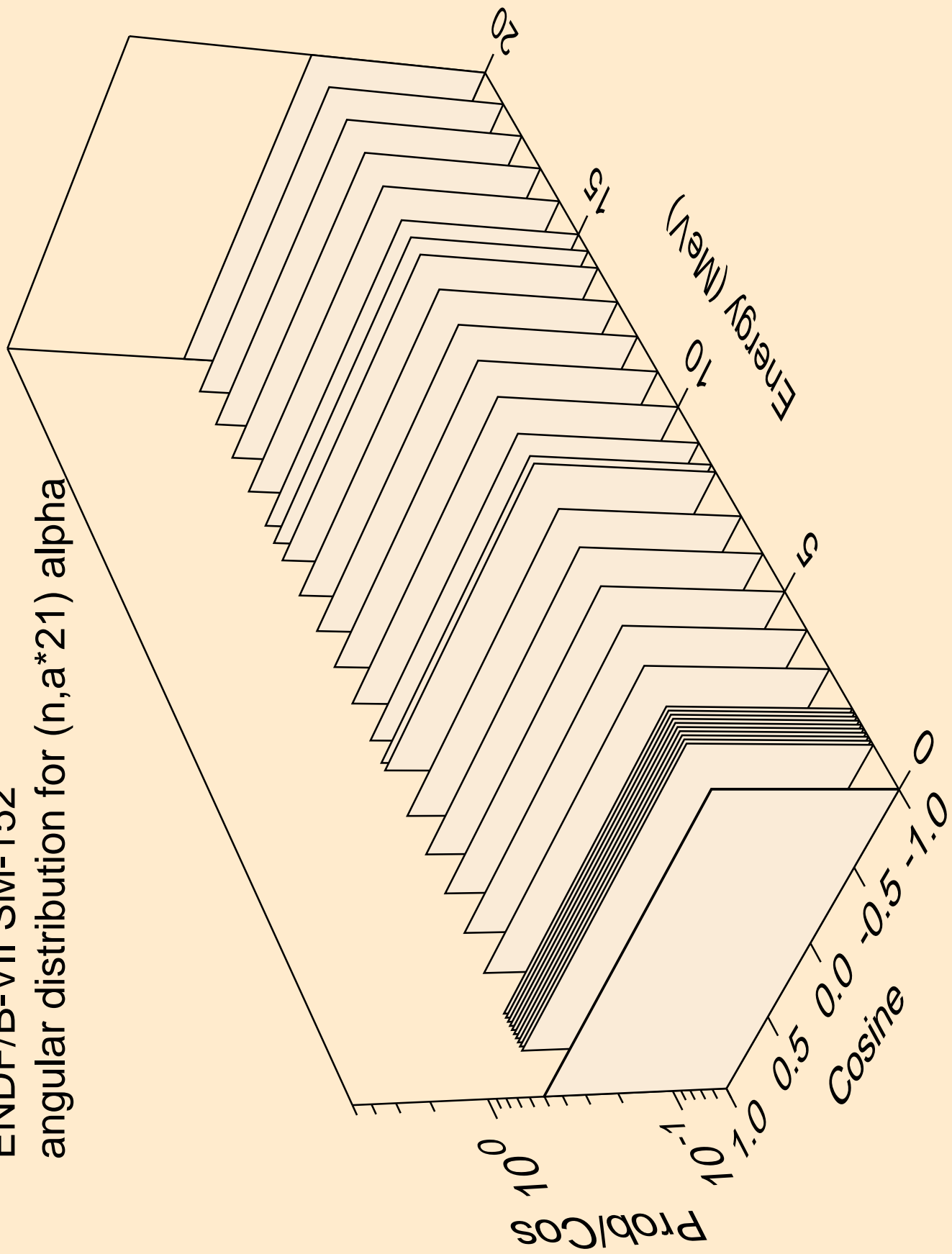
ENDF/B-VII SM-152  
angular distribution for (n,a\*19) alpha



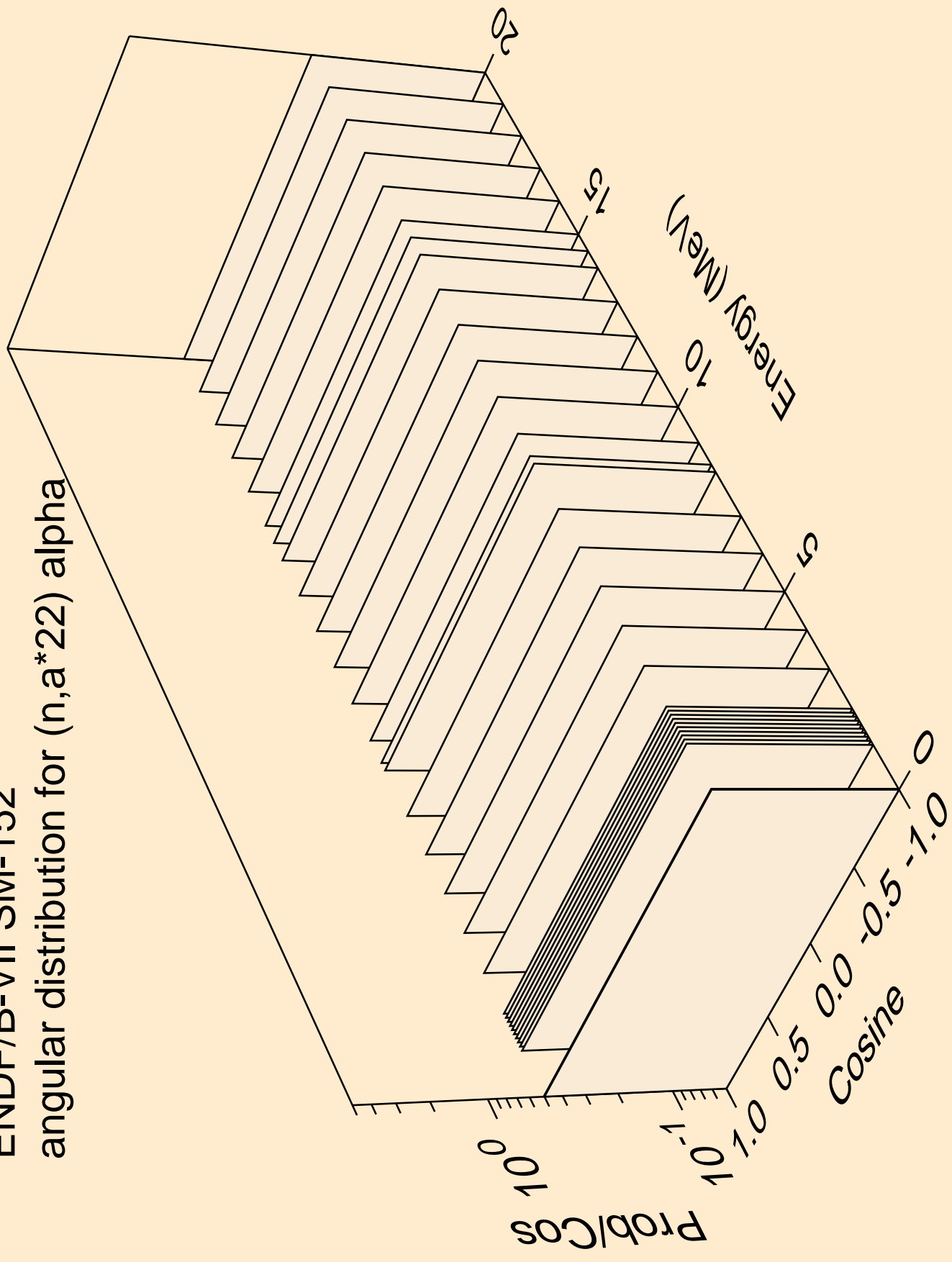
ENDF/B-VII SM-152  
angular distribution for (n,a\*20) alpha



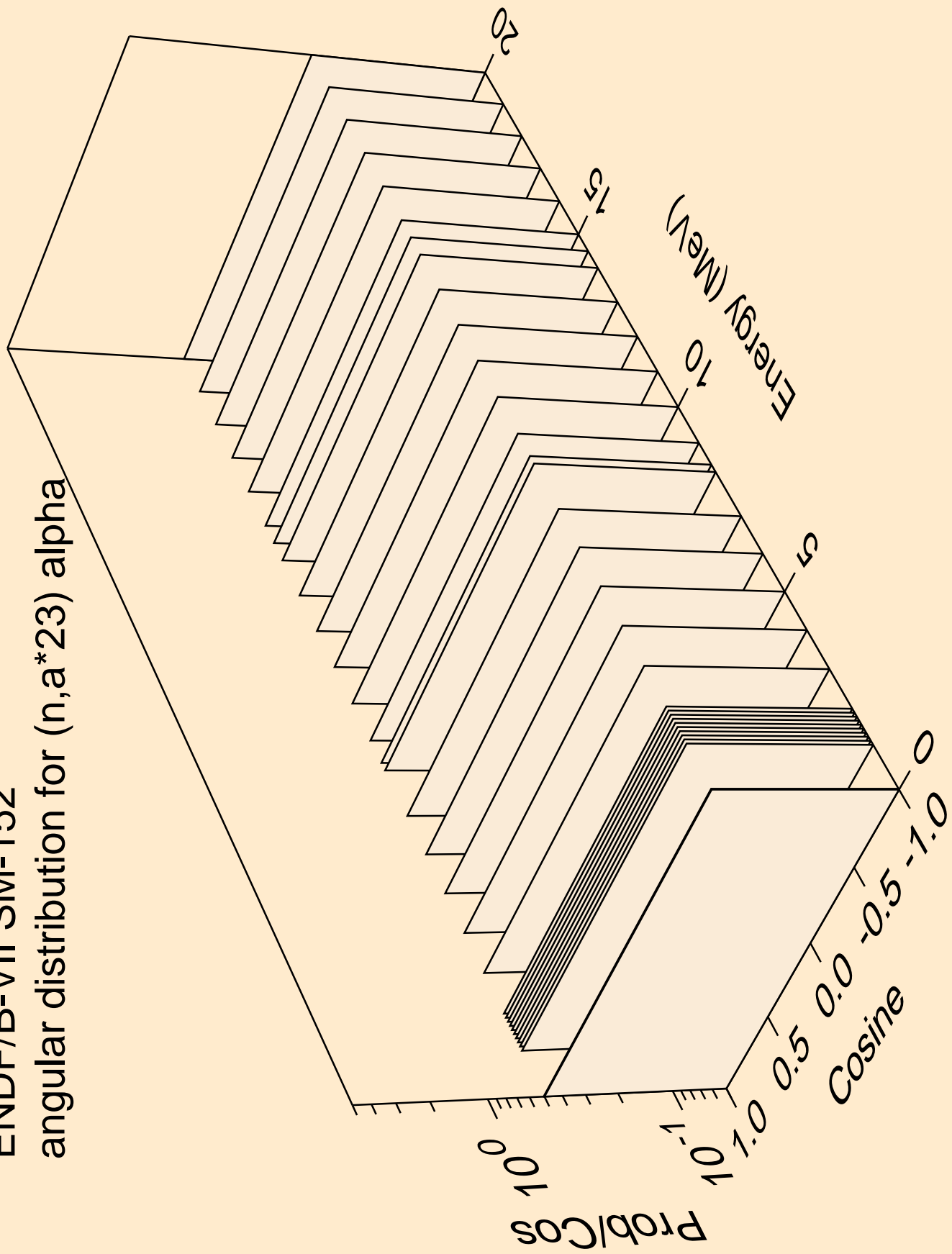
ENDF/B-VII SM-152  
angular distribution for (n,a\*21) alpha



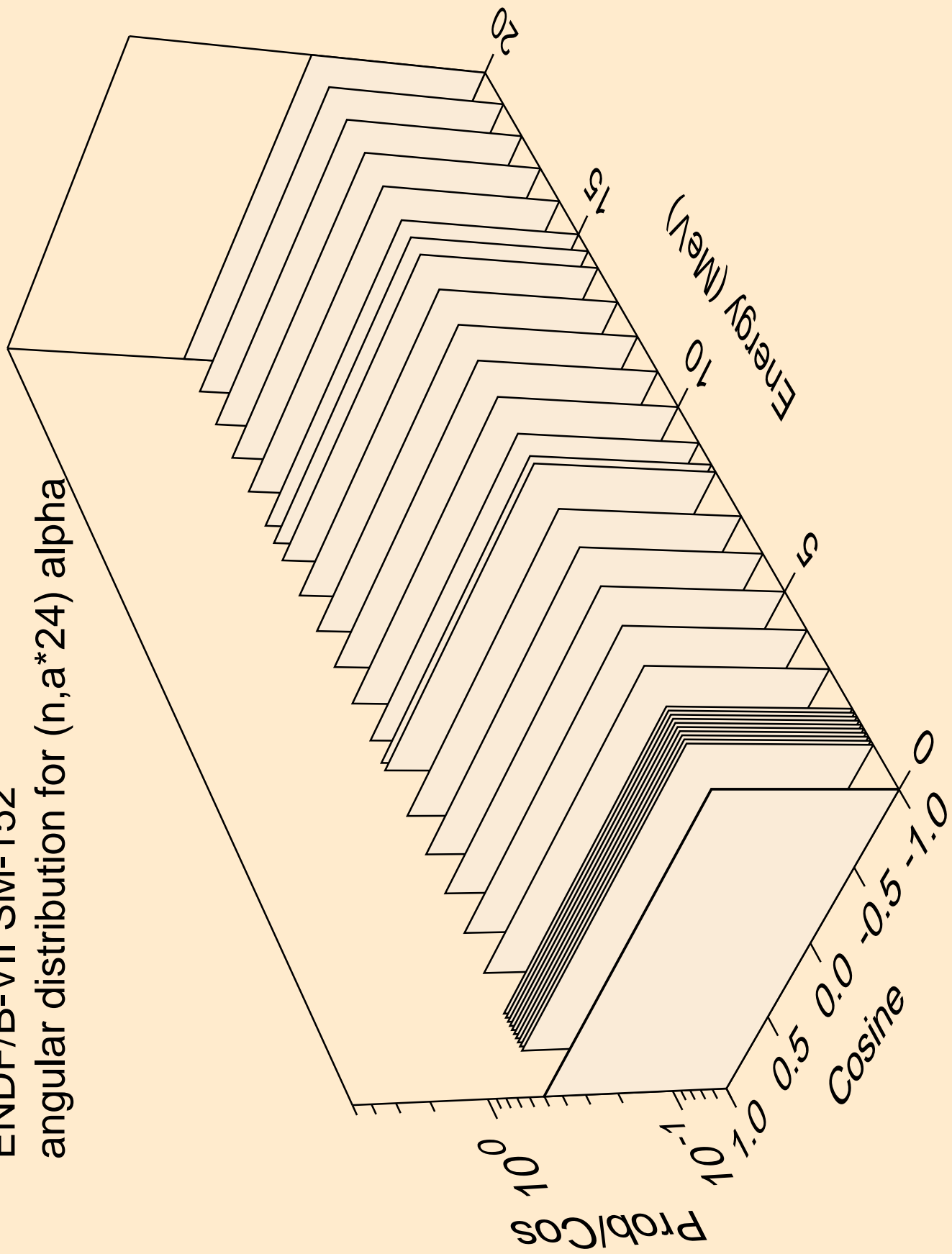
ENDF/B-VII SM-152  
angular distribution for (n,a\*22) alpha



ENDF/B-VII SM-152  
angular distribution for (n,a\*23) alpha



ENDF/B-VII SM-152  
angular distribution for (n,a\*24) alpha





ENDF/B-VII SM-152  
alphas from (n,a\*c)

