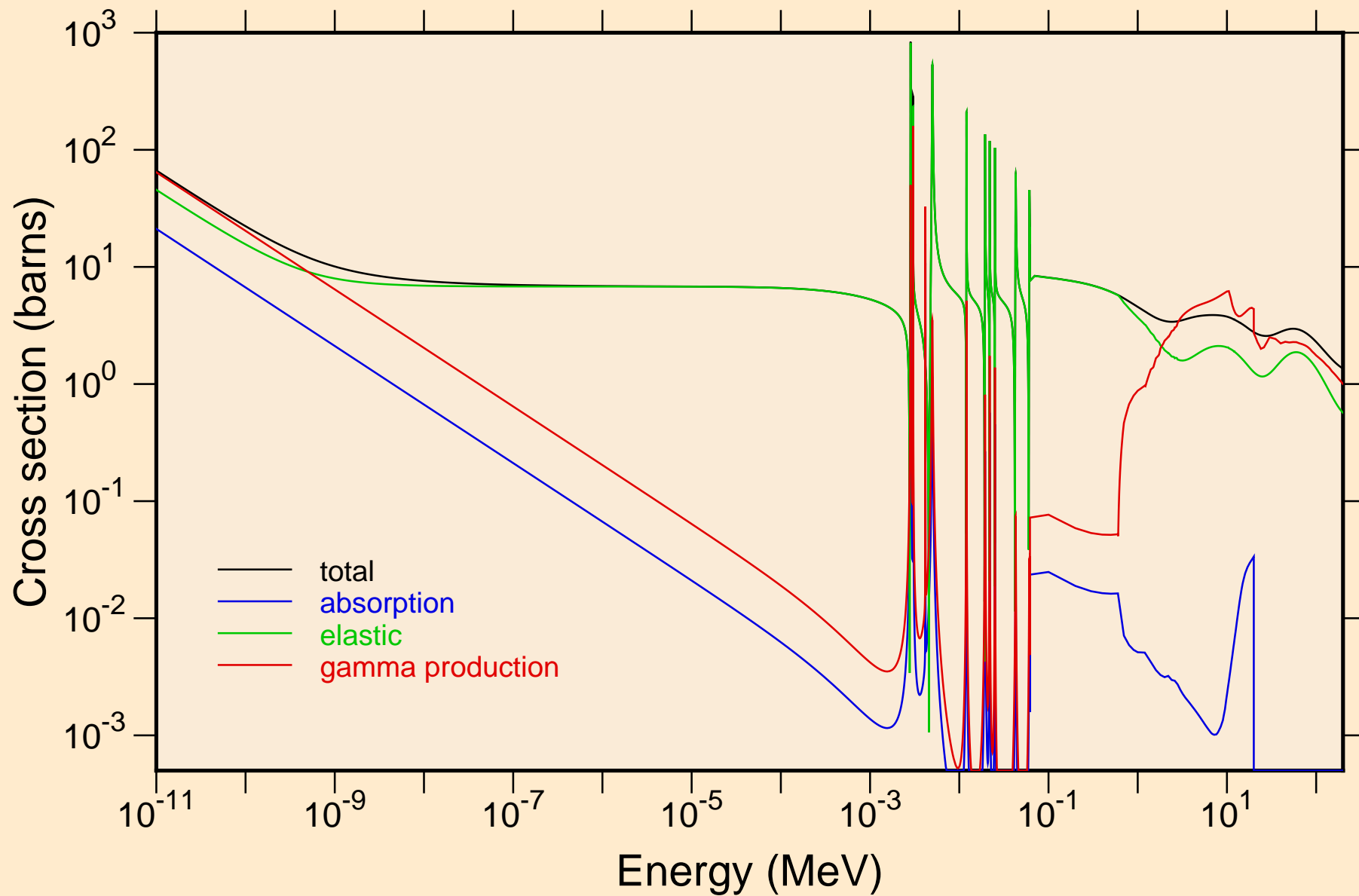
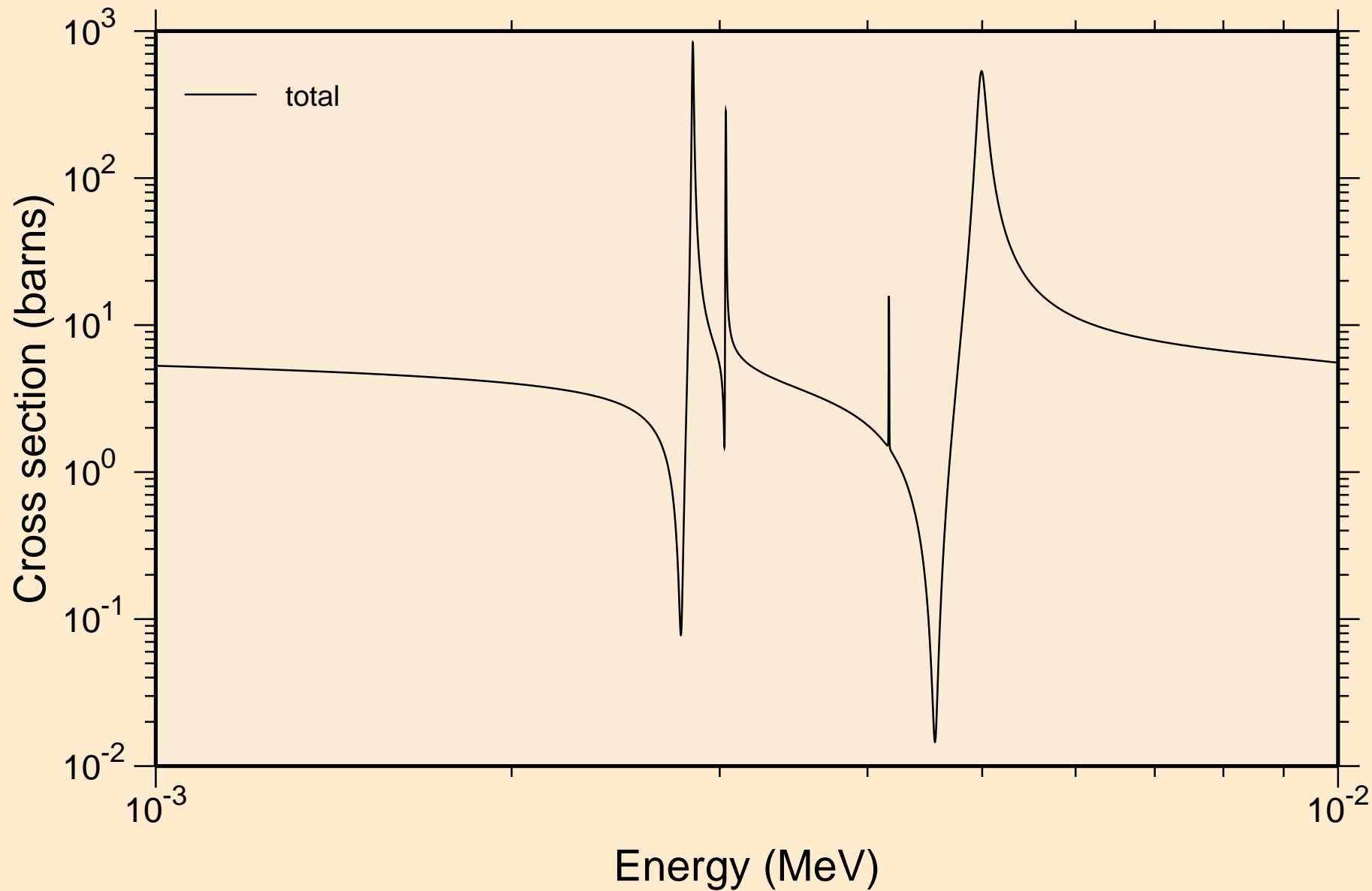


# JEFF-3.1 GE-74

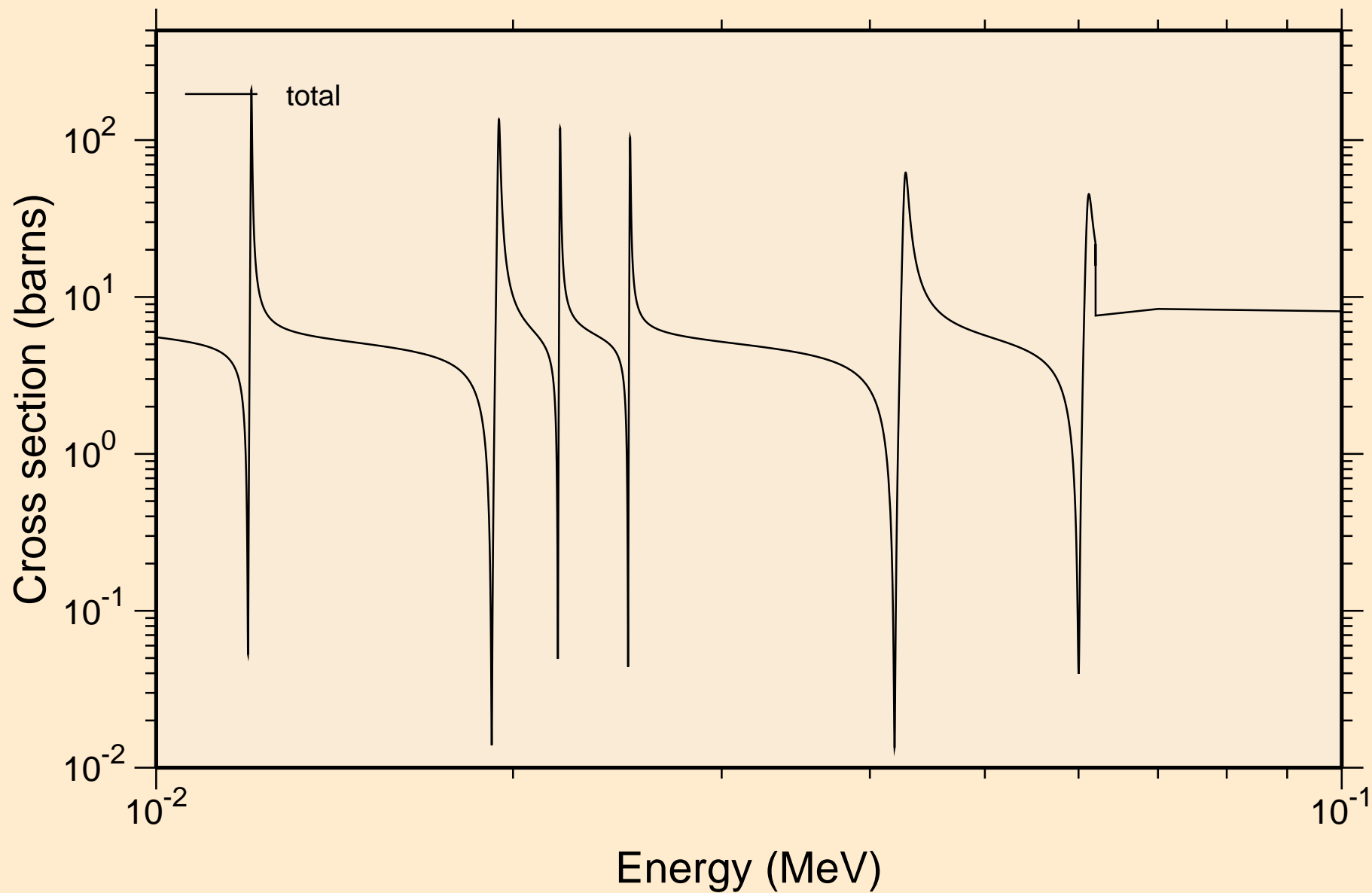
## Principal cross sections



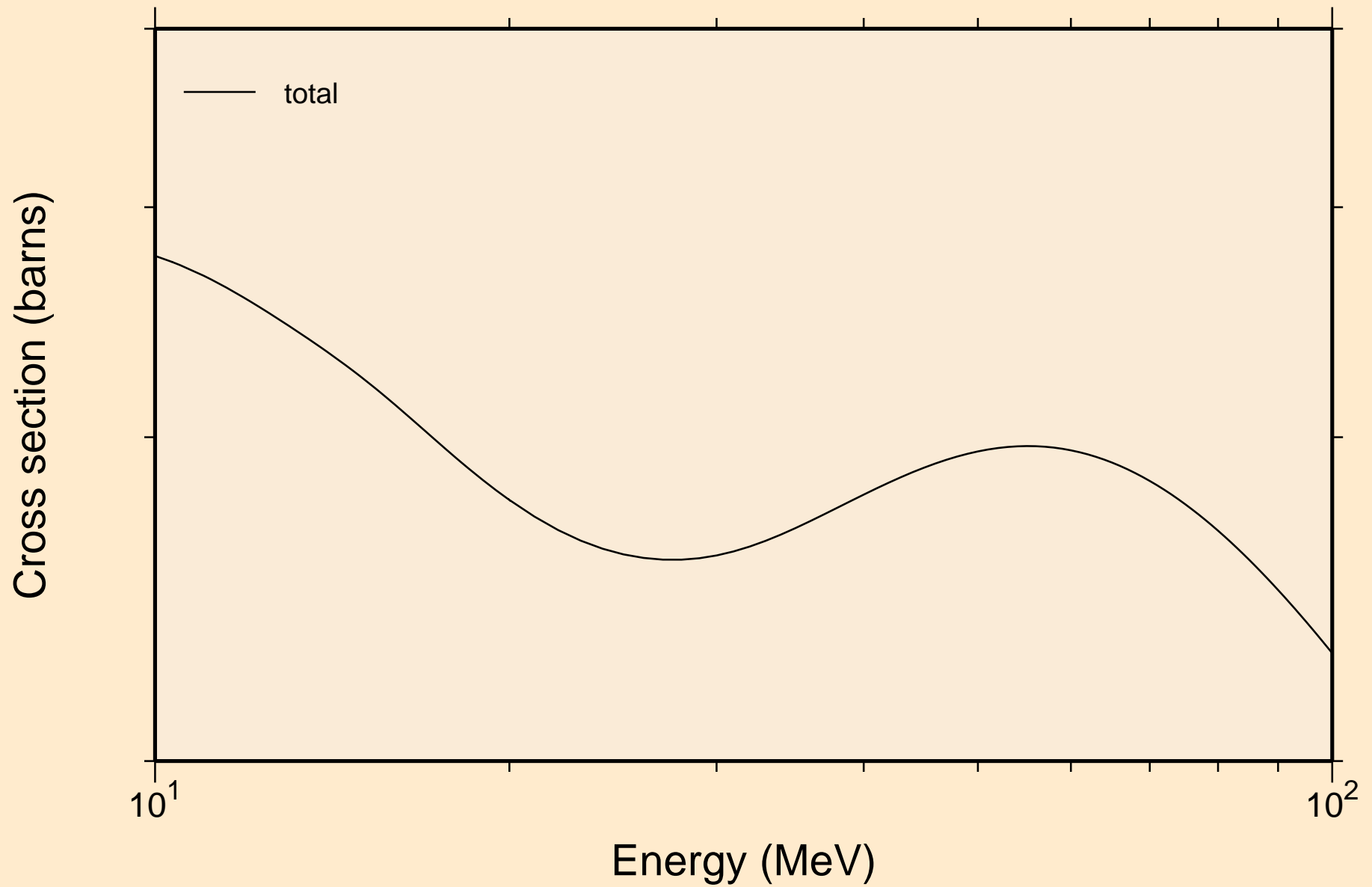
JEFF-3.1 GE-74  
resonance total cross section



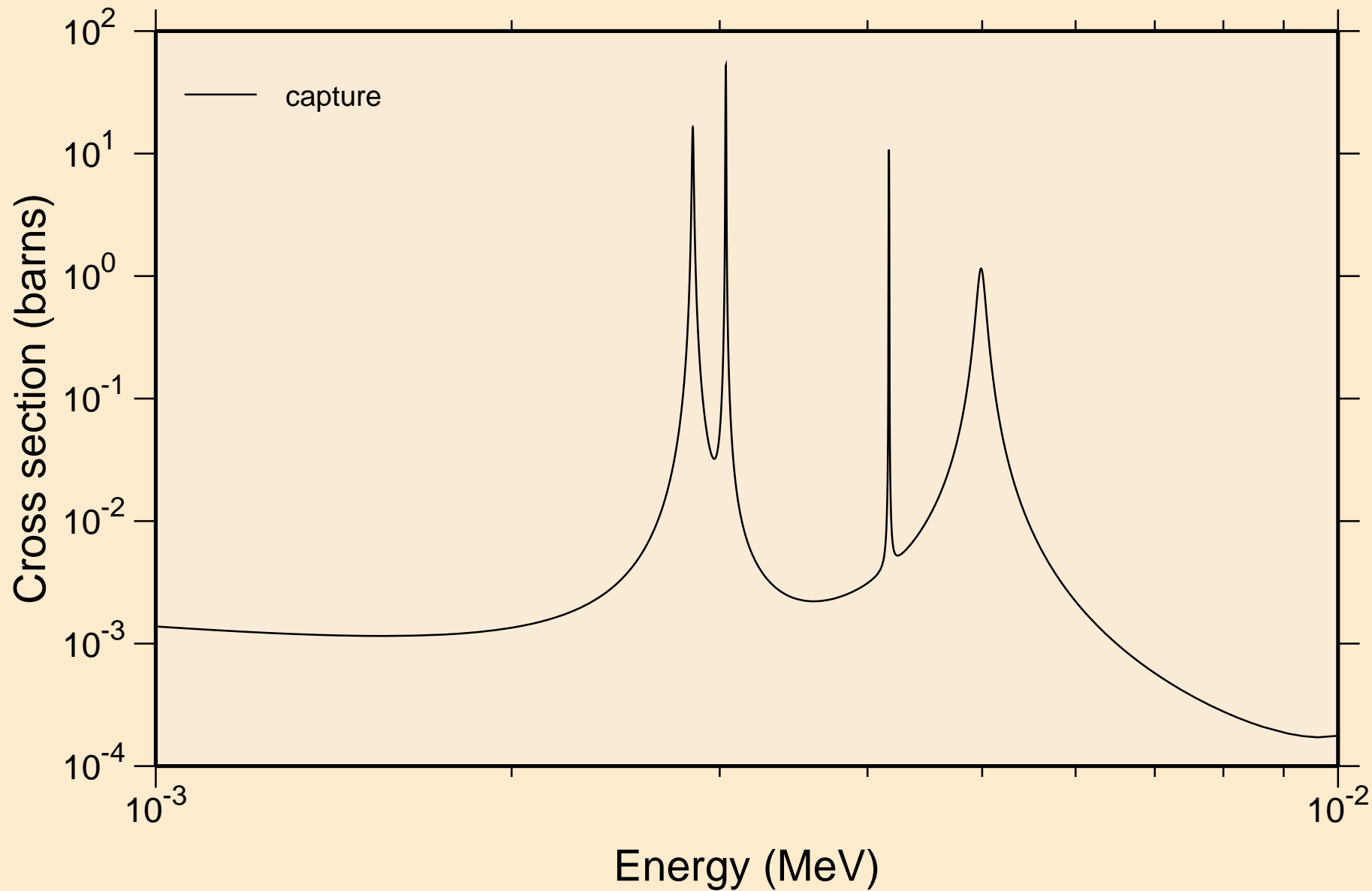
JEFF-3.1 GE-74  
resonance total cross section



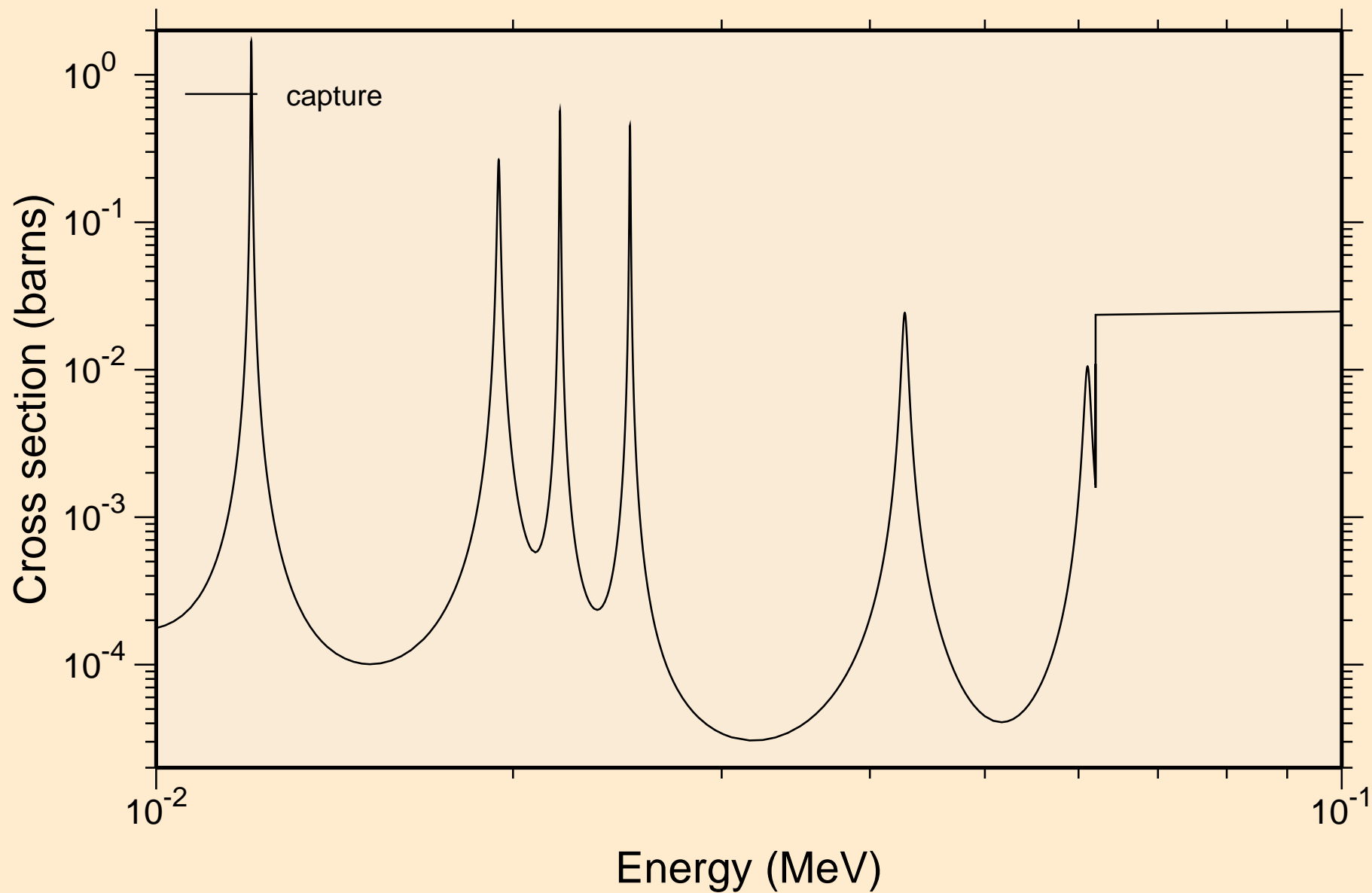
JEFF-3.1 GE-74  
resonance total cross section



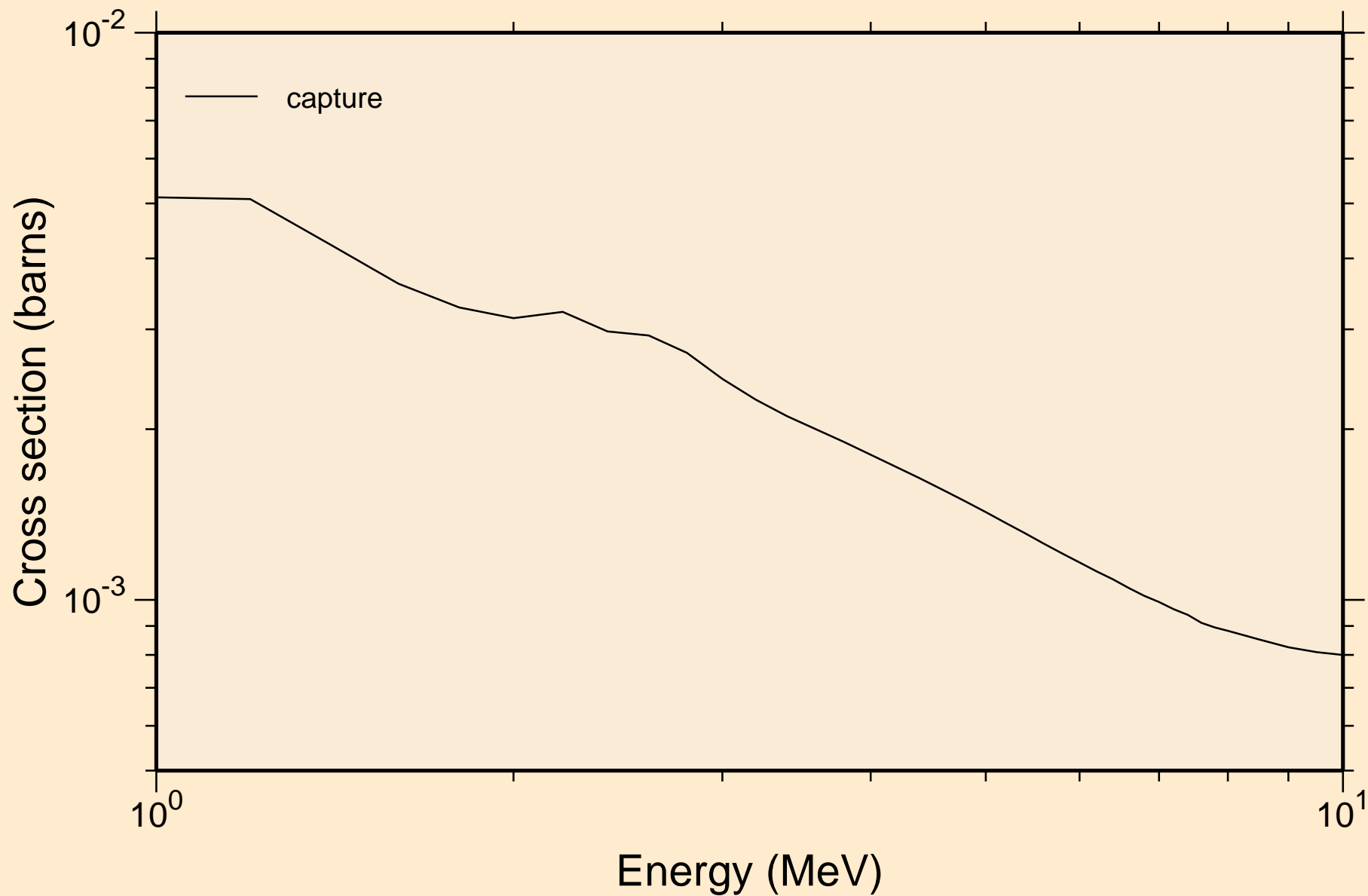
JEFF-3.1 GE-74  
resonance absorption cross sections



# JEFF-3.1 GE-74 resonance absorption cross sections

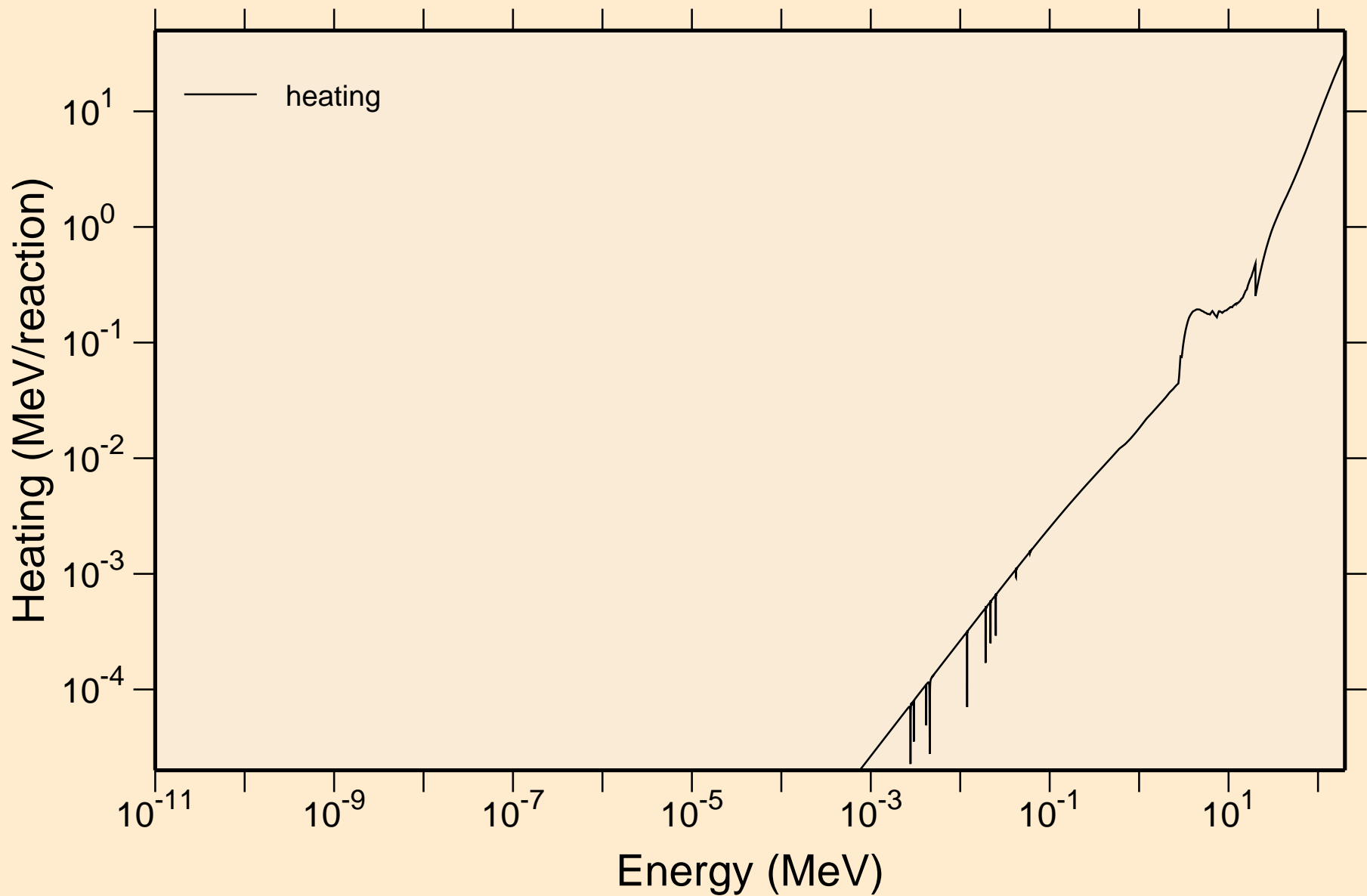


JEFF-3.1 GE-74  
resonance absorption cross sections



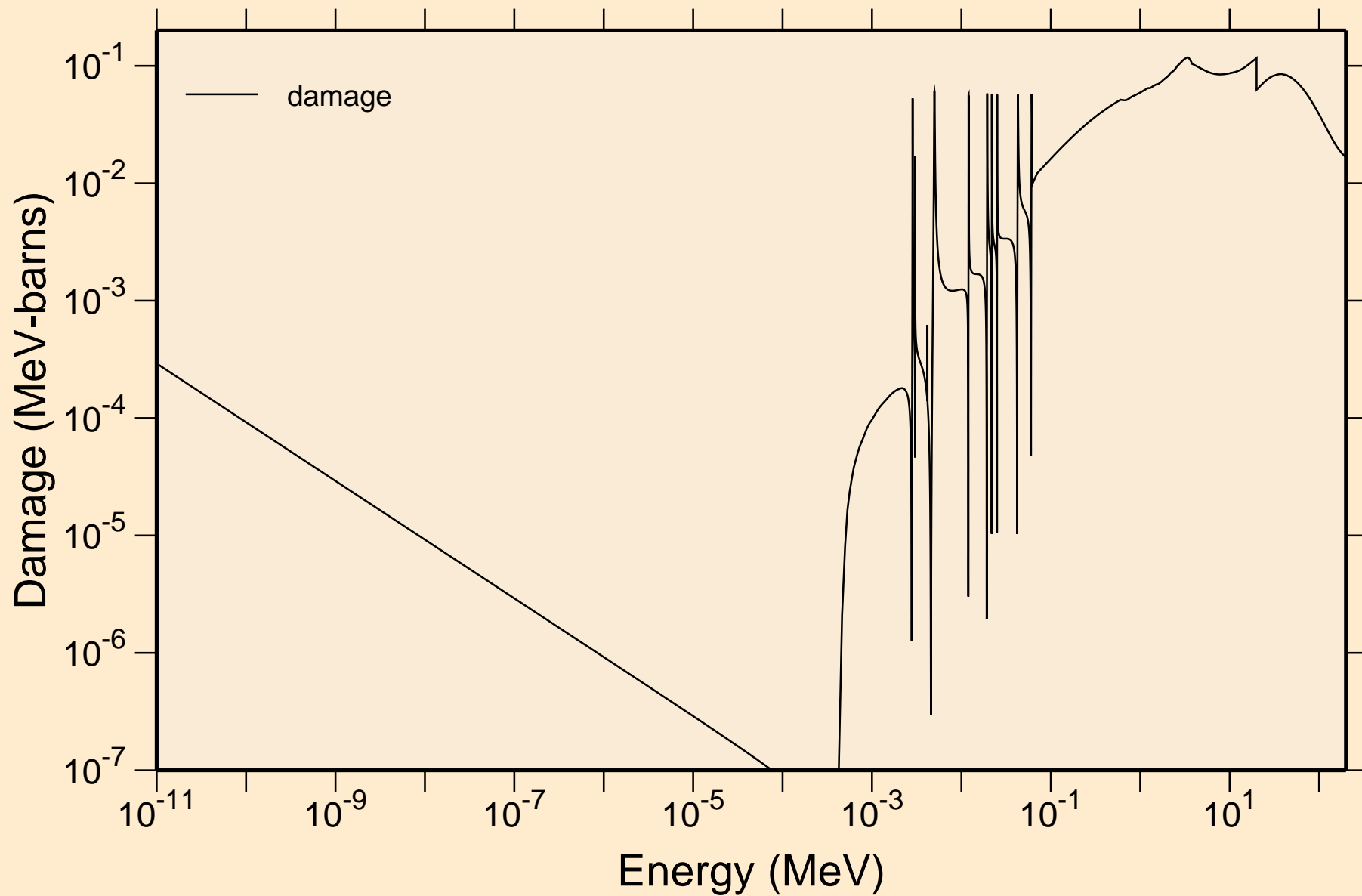
# JEFF-3.1 GE-74

## Heating



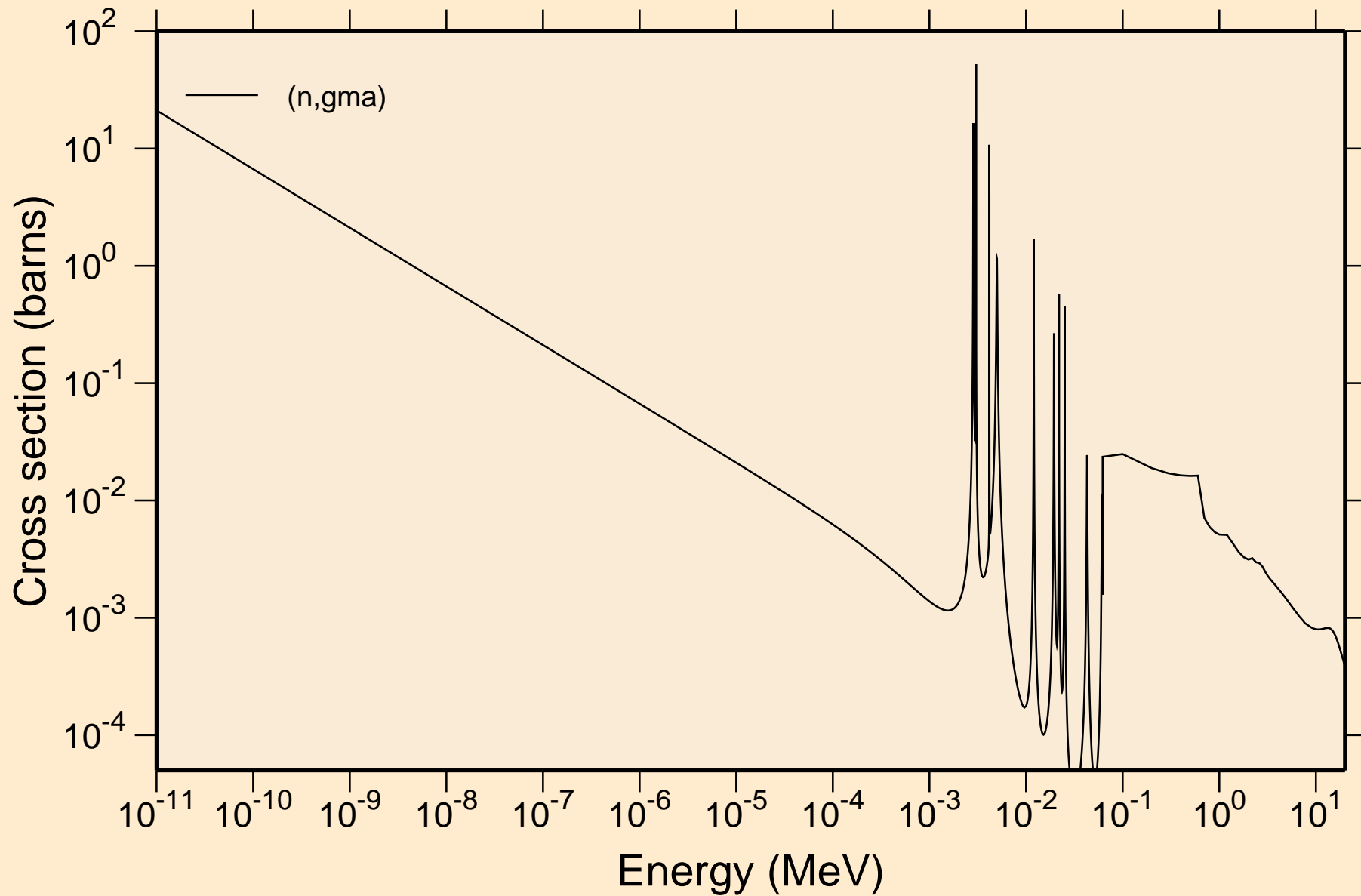


# JEFF-3.1 GE-74 Damage



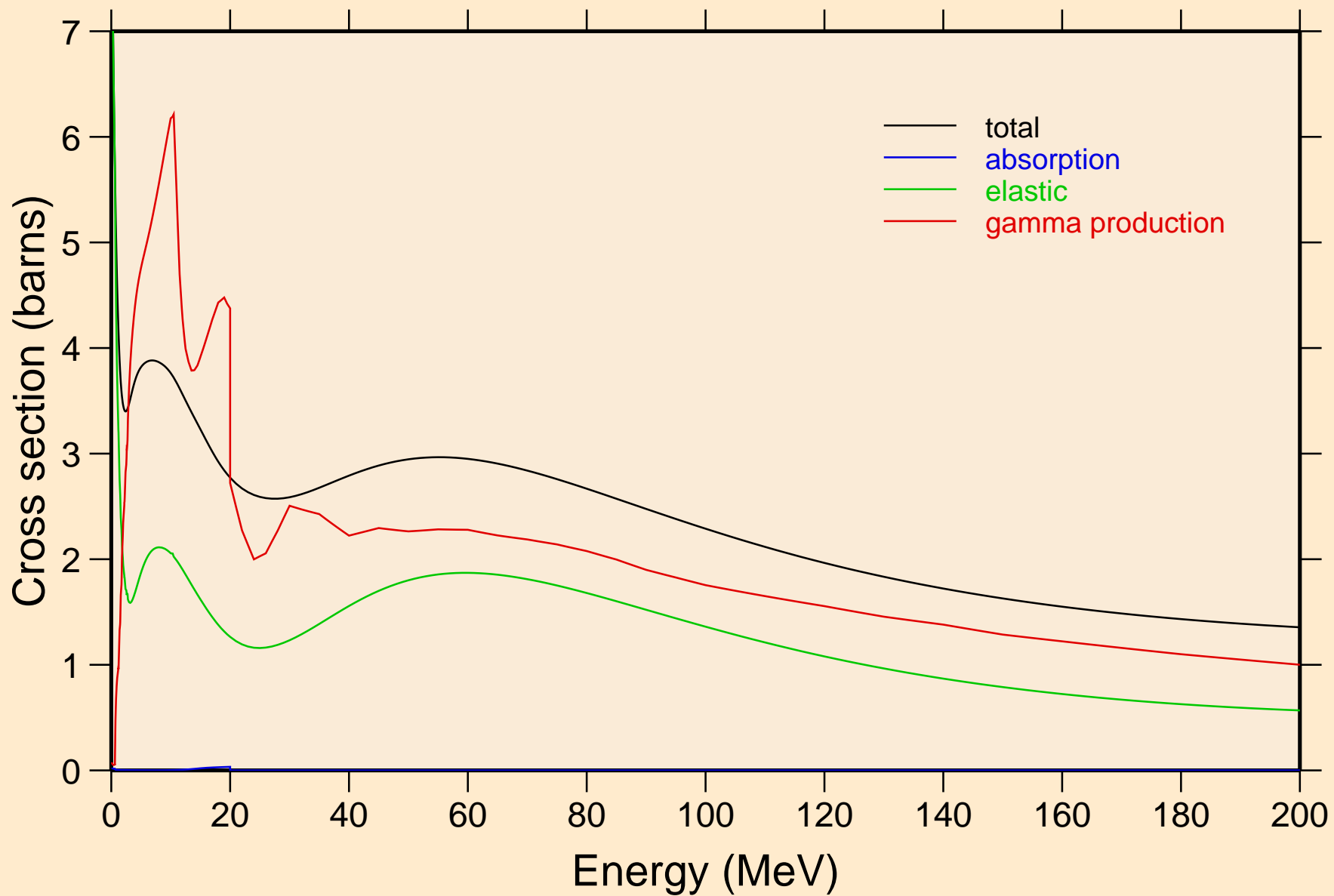
# JEFF-3.1 GE-74

## Non-threshold reactions



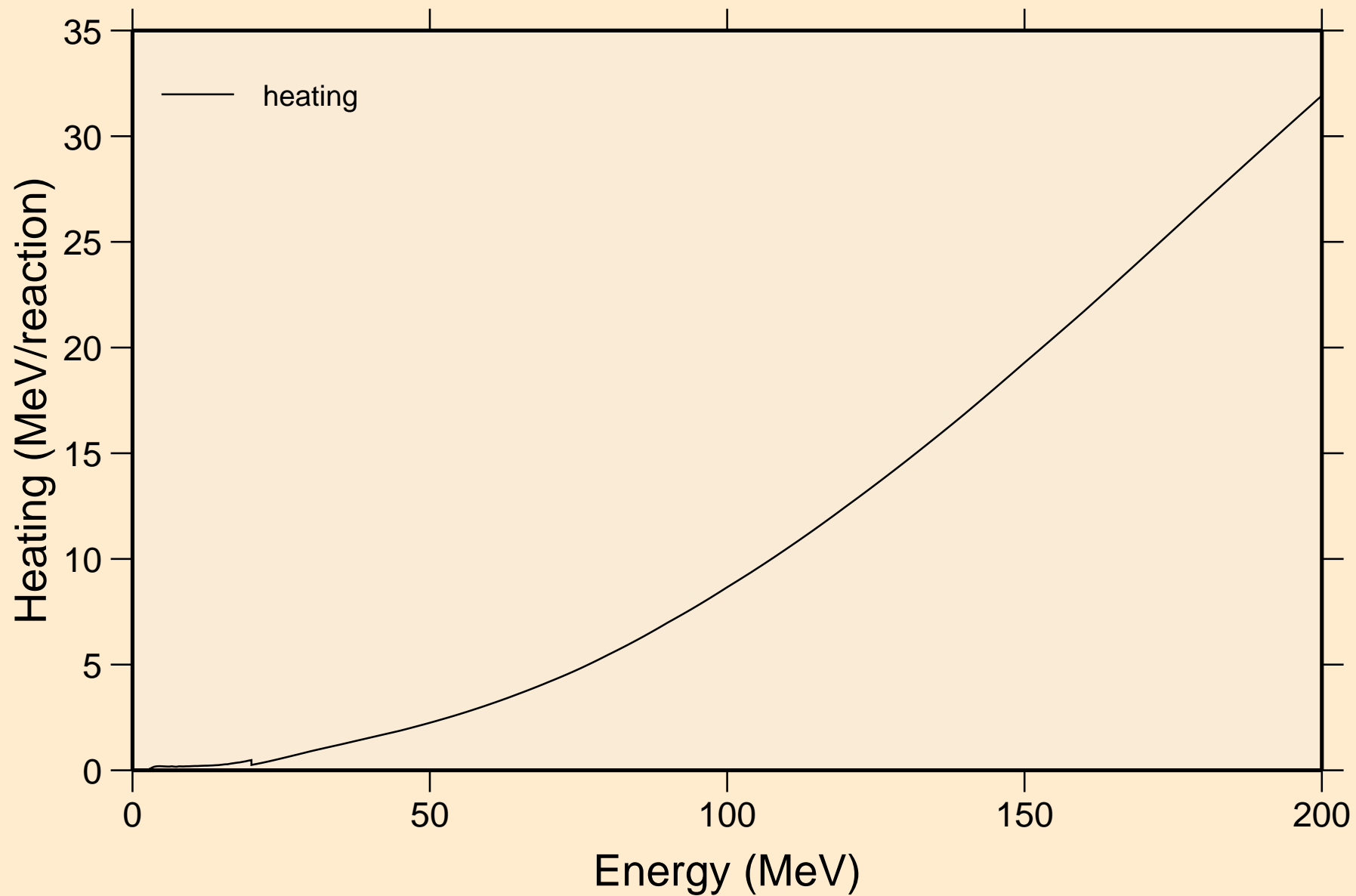
# JEFF-3.1 GE-74

## Principal cross sections

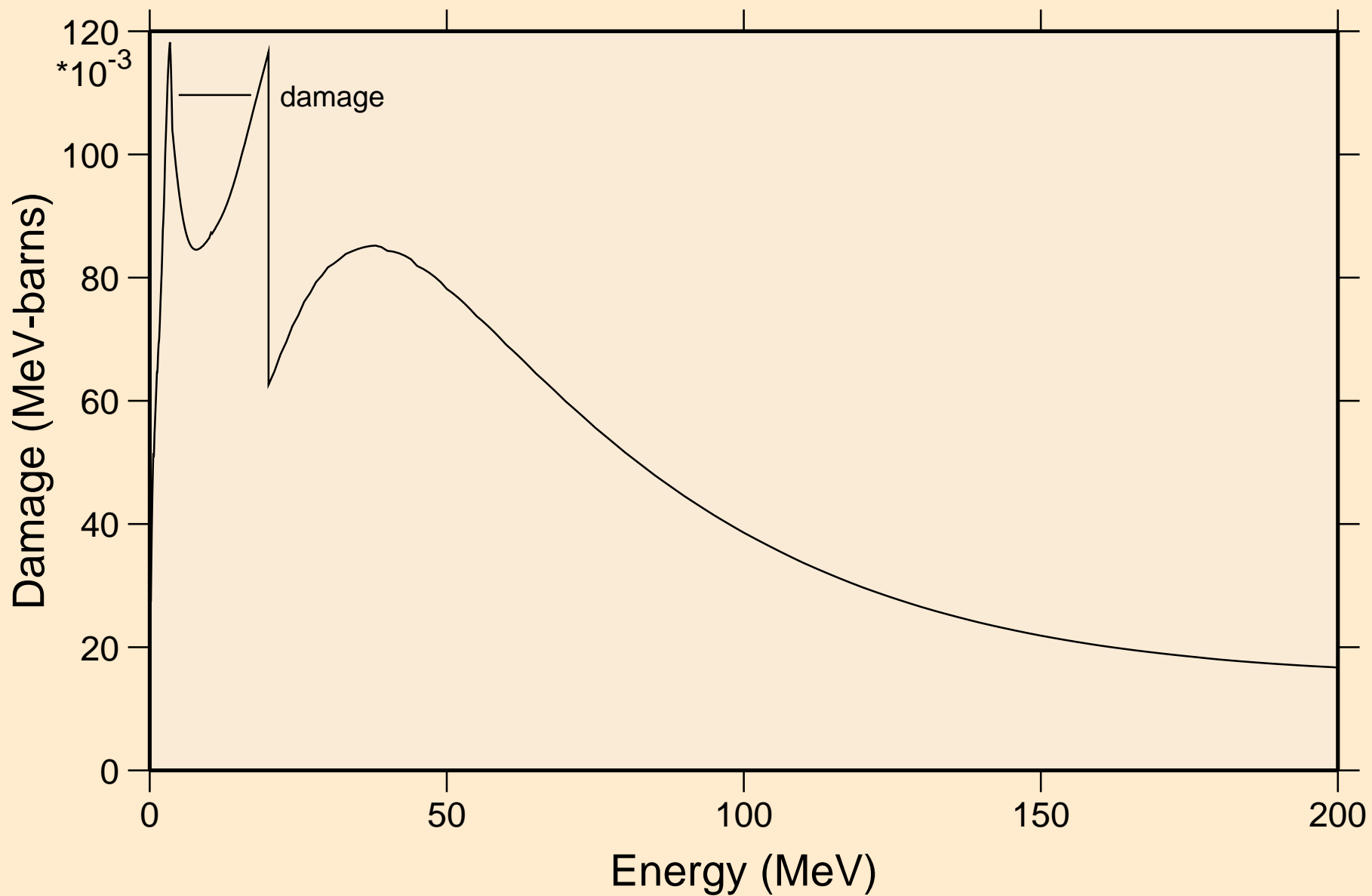


# JEFF-3.1 GE-74

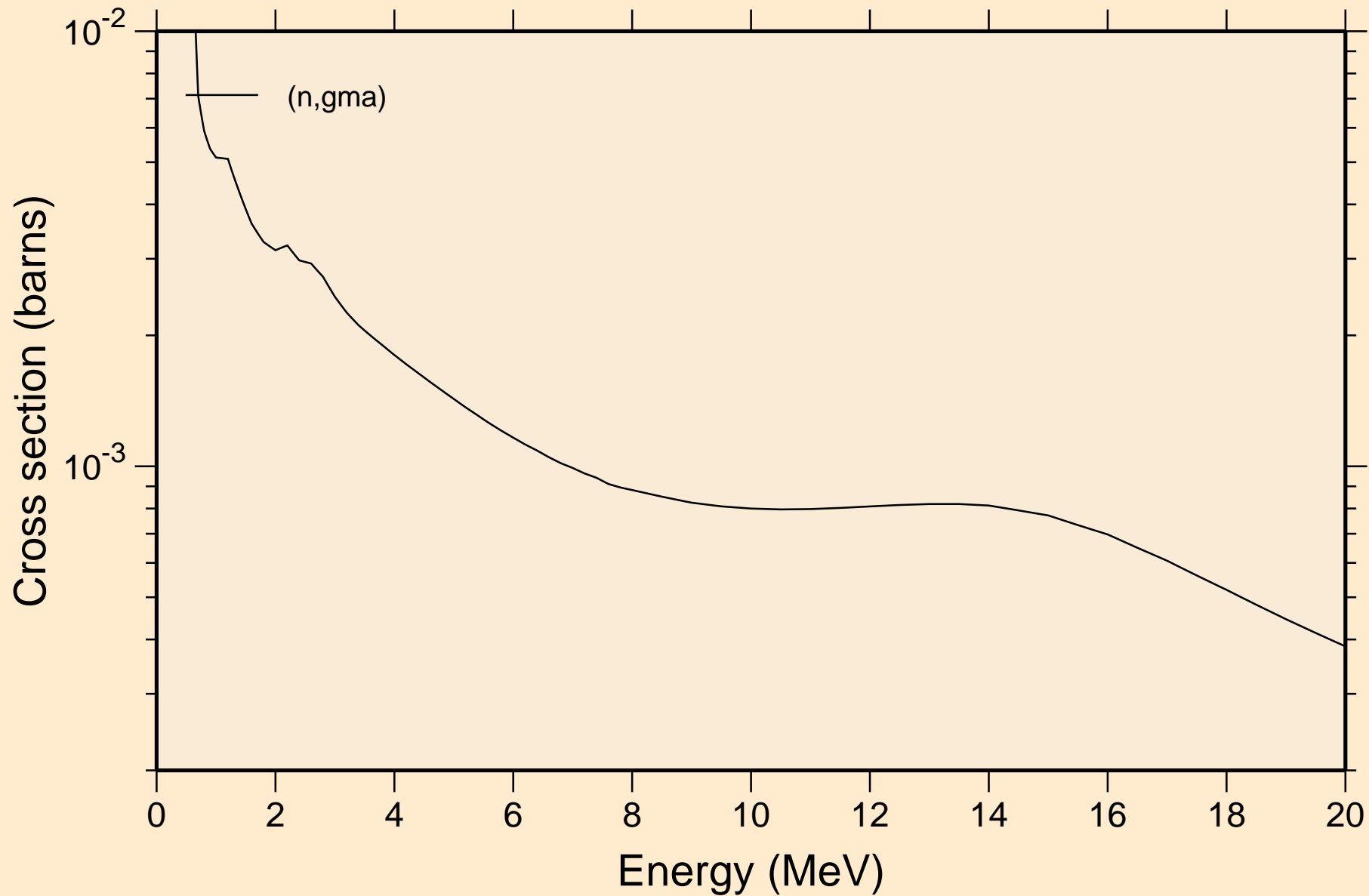
## Heating



# JEFF-3.1 GE-74 Damage

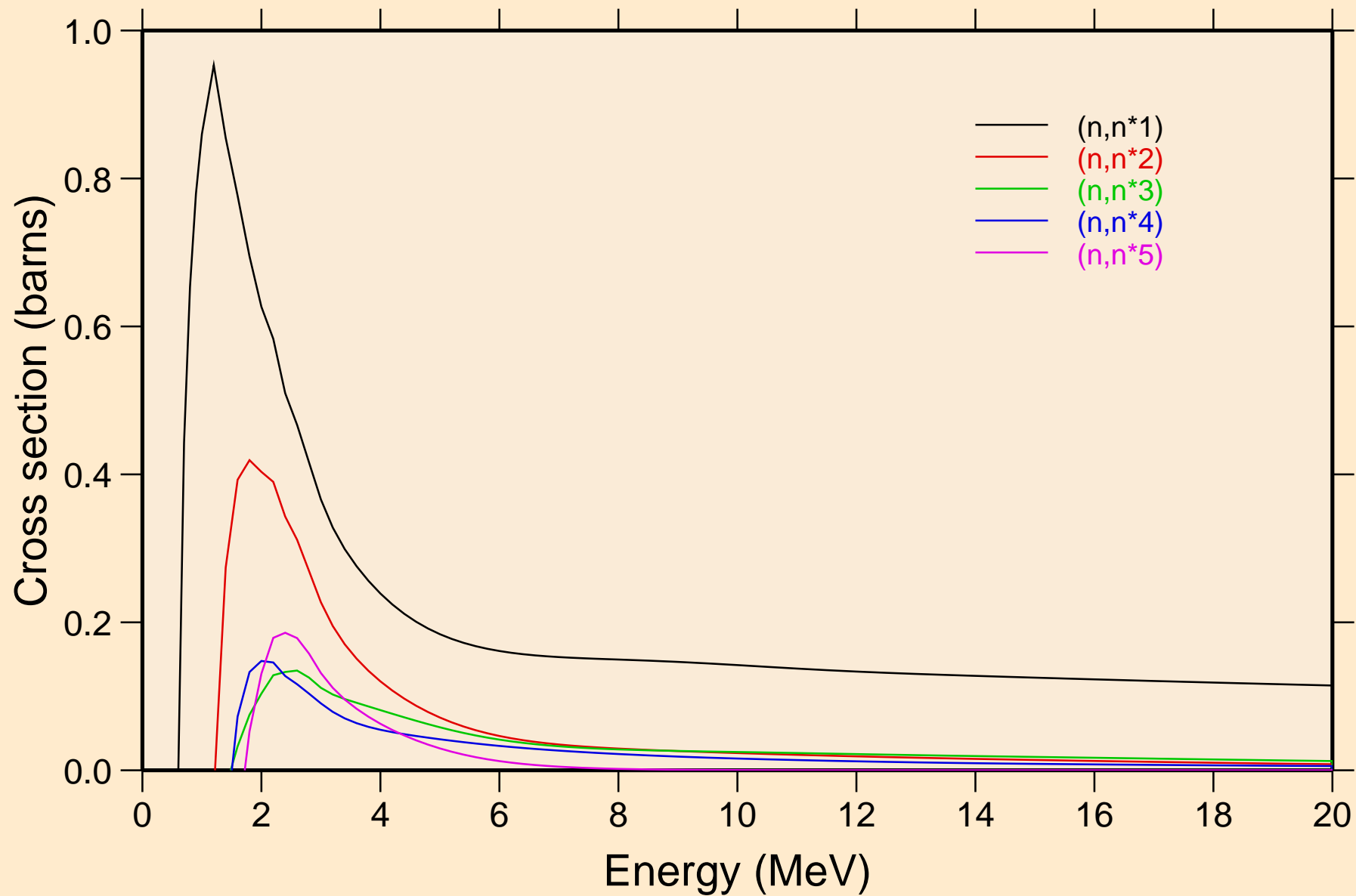


JEFF-3.1 GE-74  
Non-threshold reactions



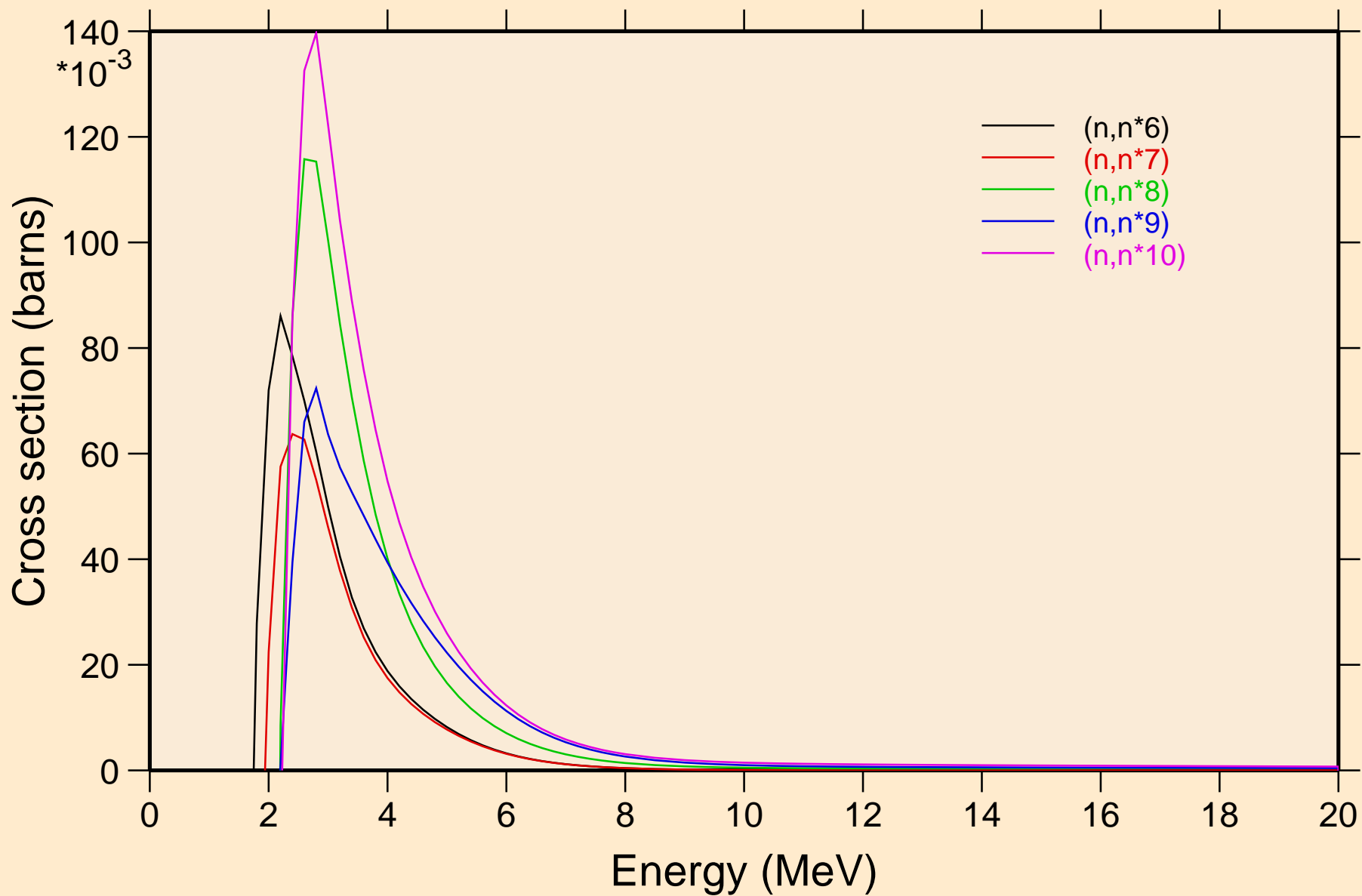
# JEFF-3.1 GE-74

## Inelastic levels



# JEFF-3.1 GE-74

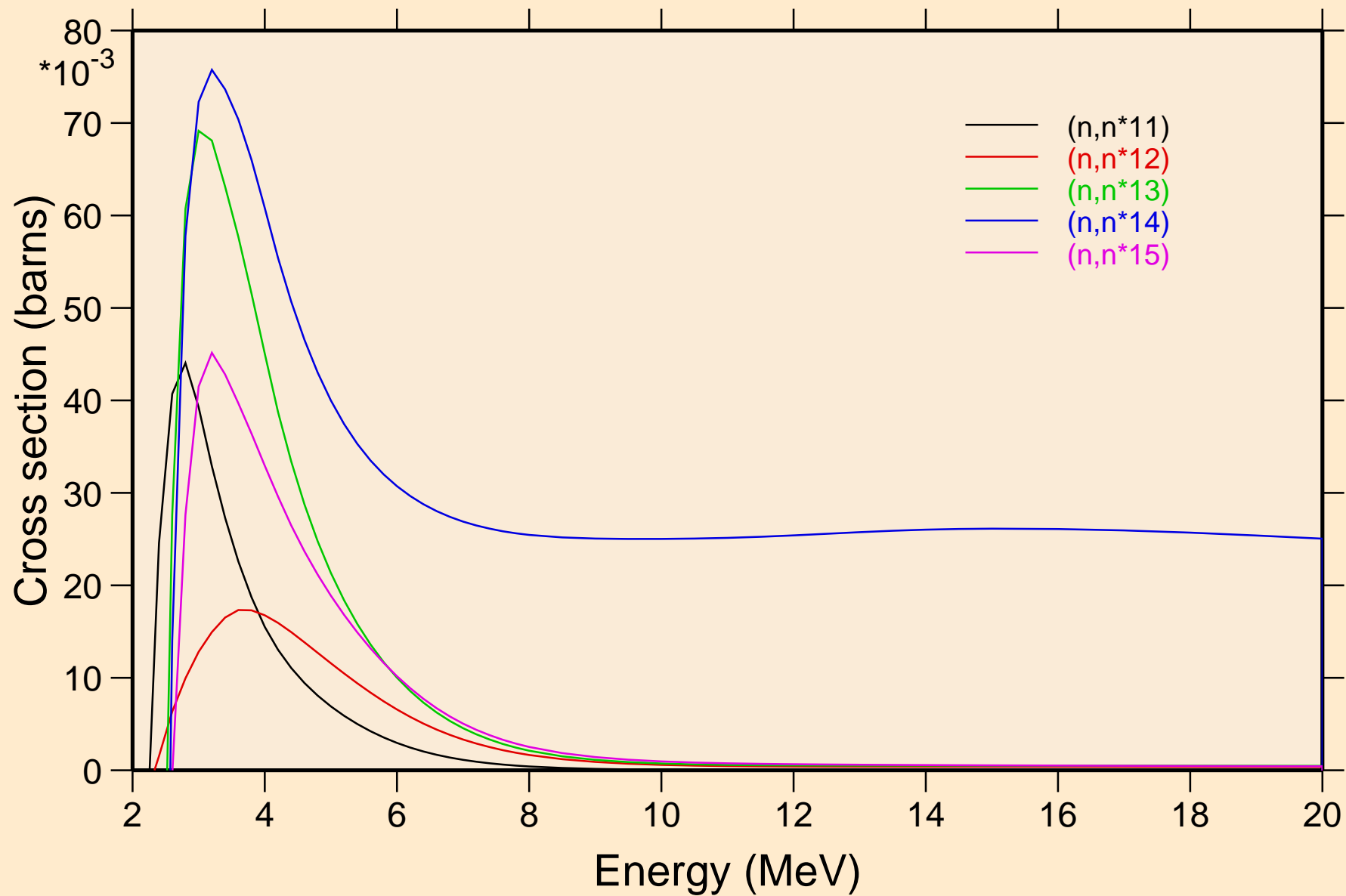
## Inelastic levels





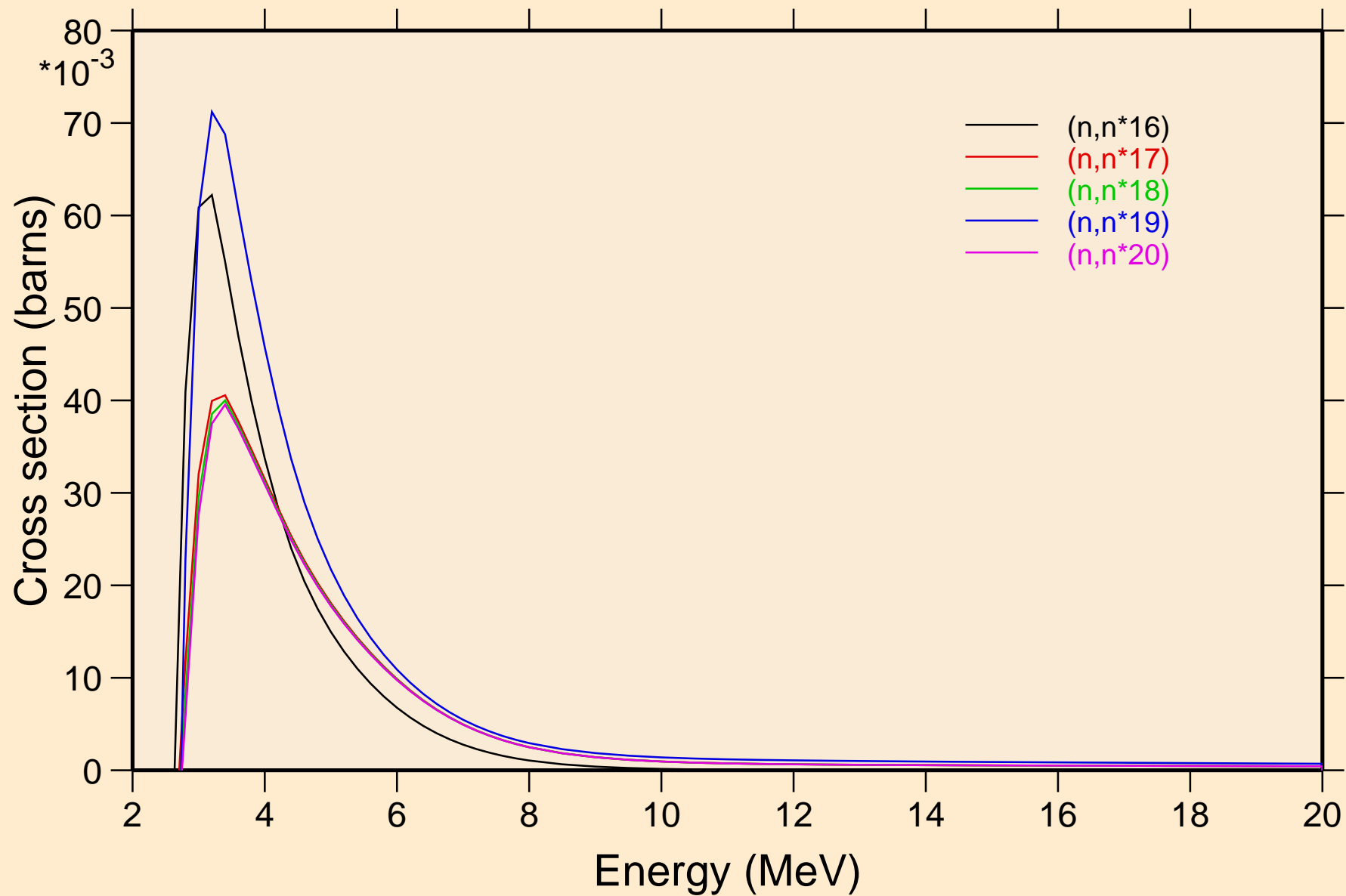
# JEFF-3.1 GE-74

## Inelastic levels



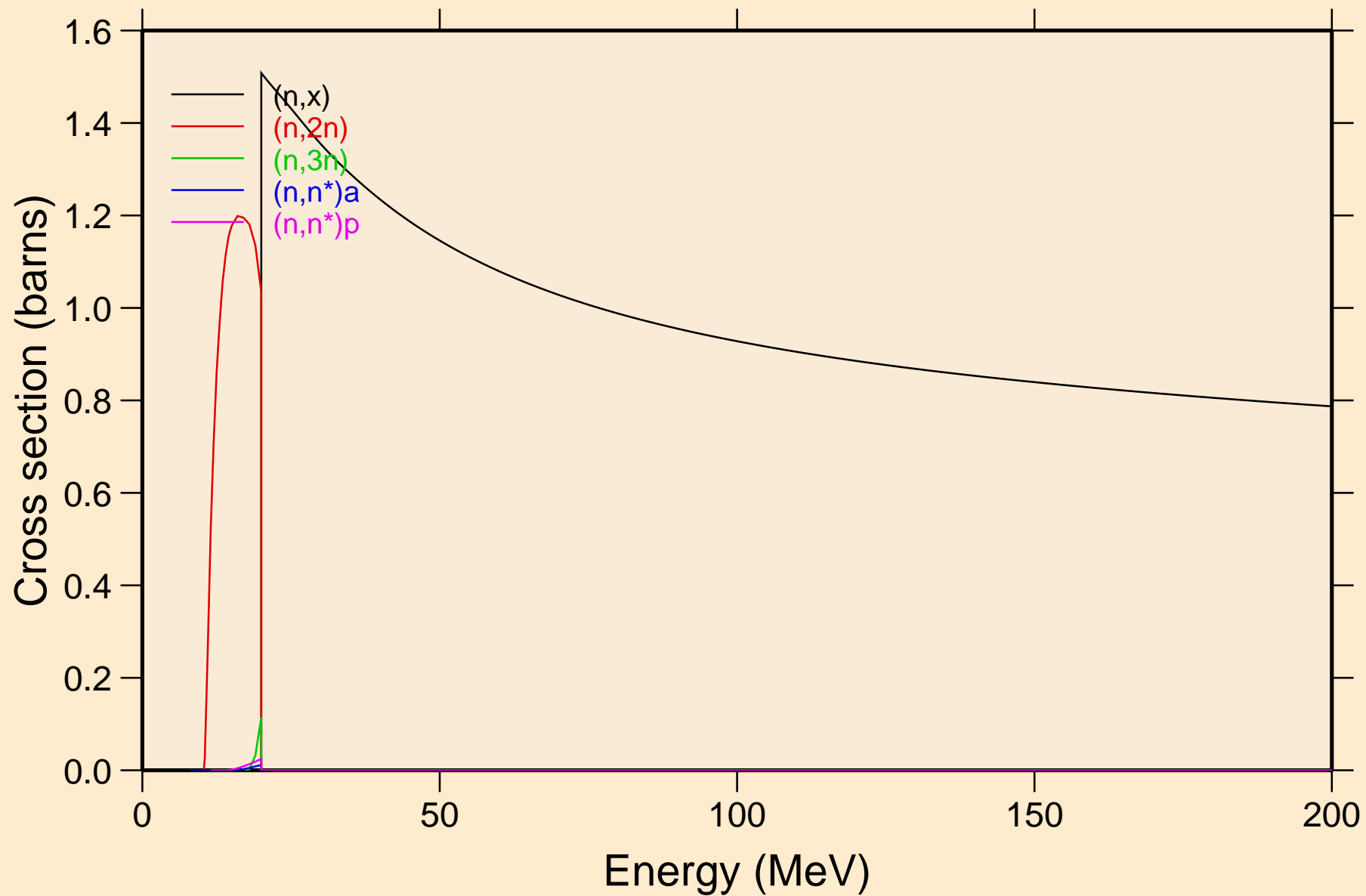
# JEFF-3.1 GE-74

## Inelastic levels



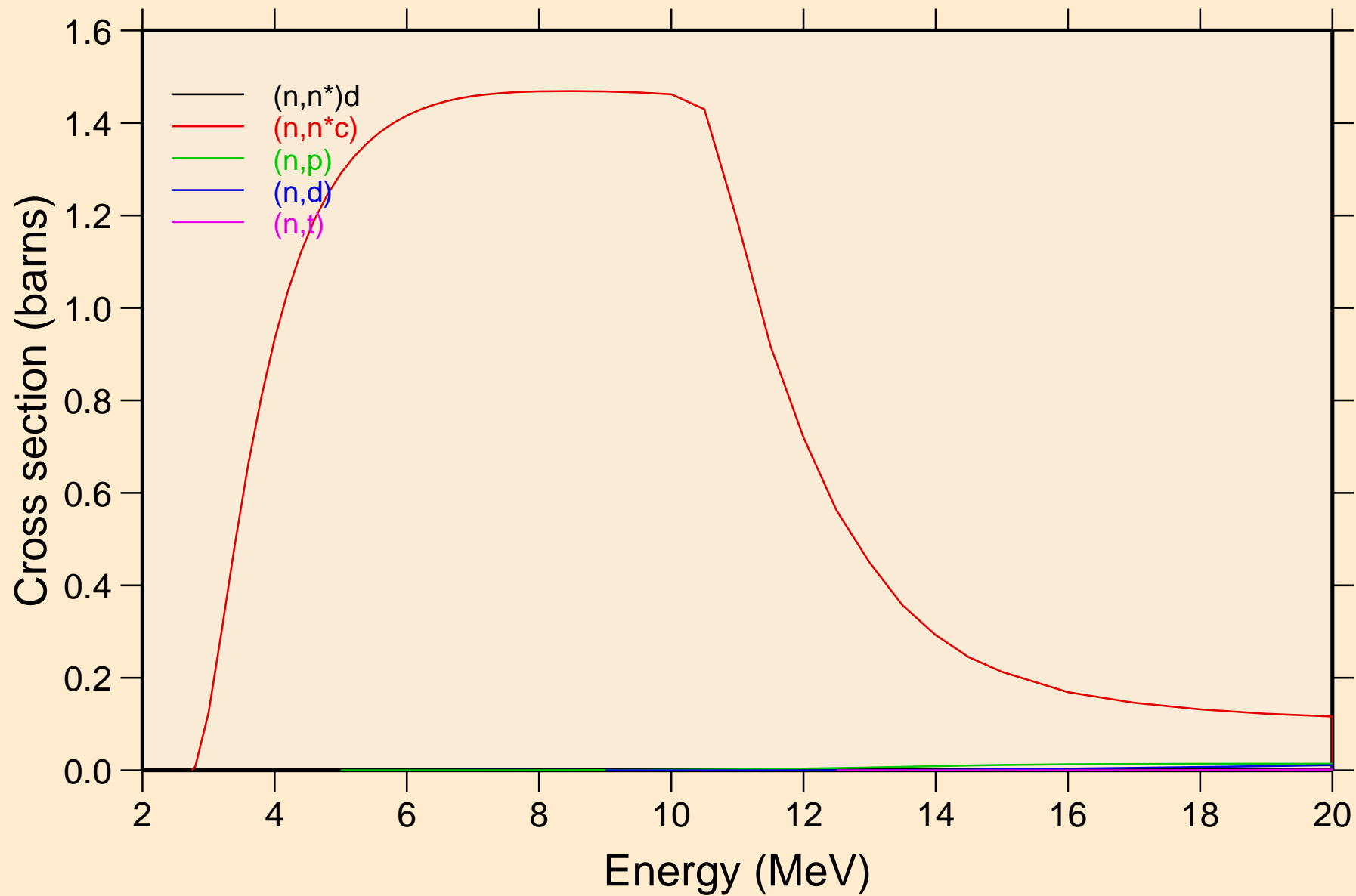
# JEFF-3.1 GE-74

## Threshold reactions



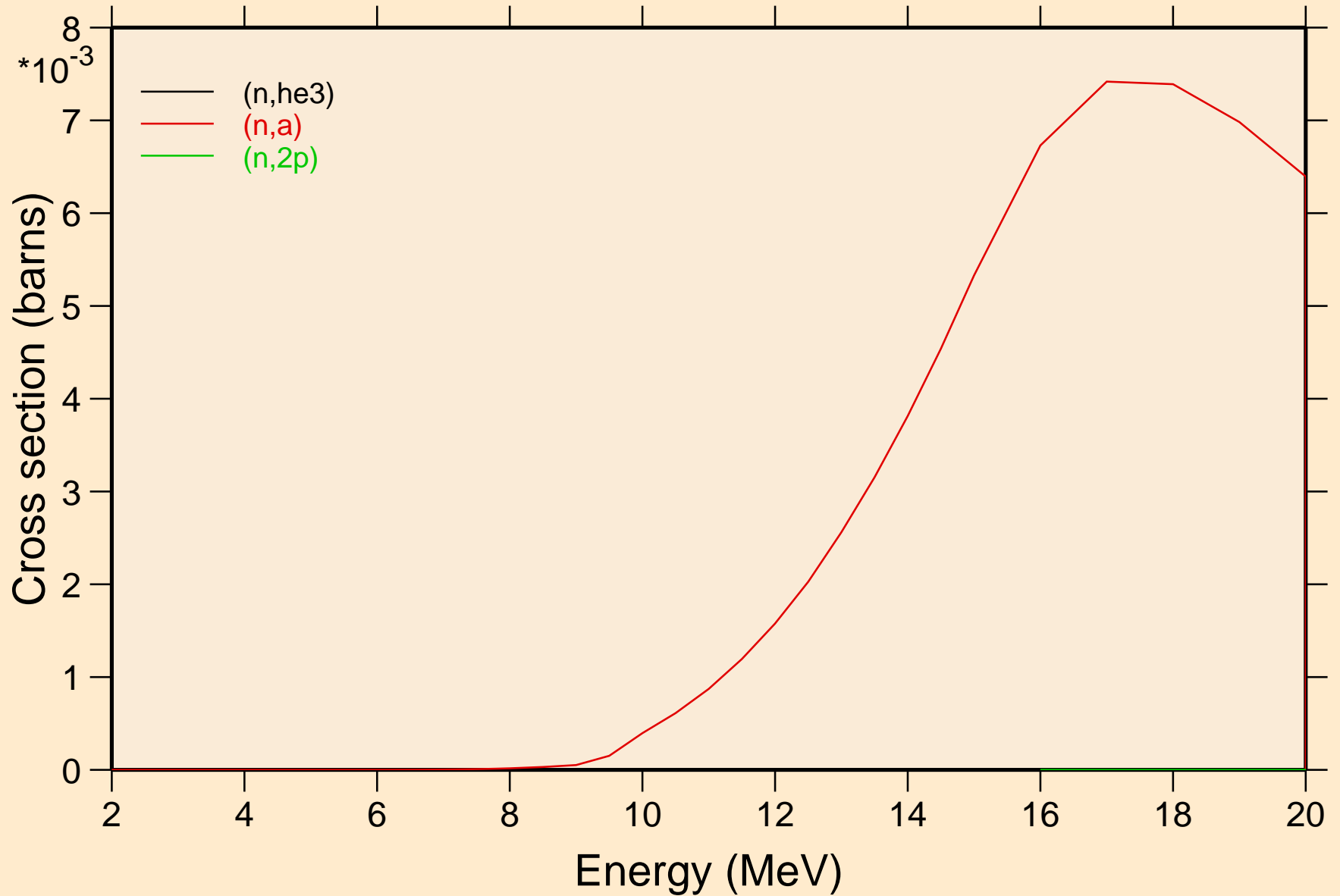
# JEFF-3.1 GE-74

## Threshold reactions



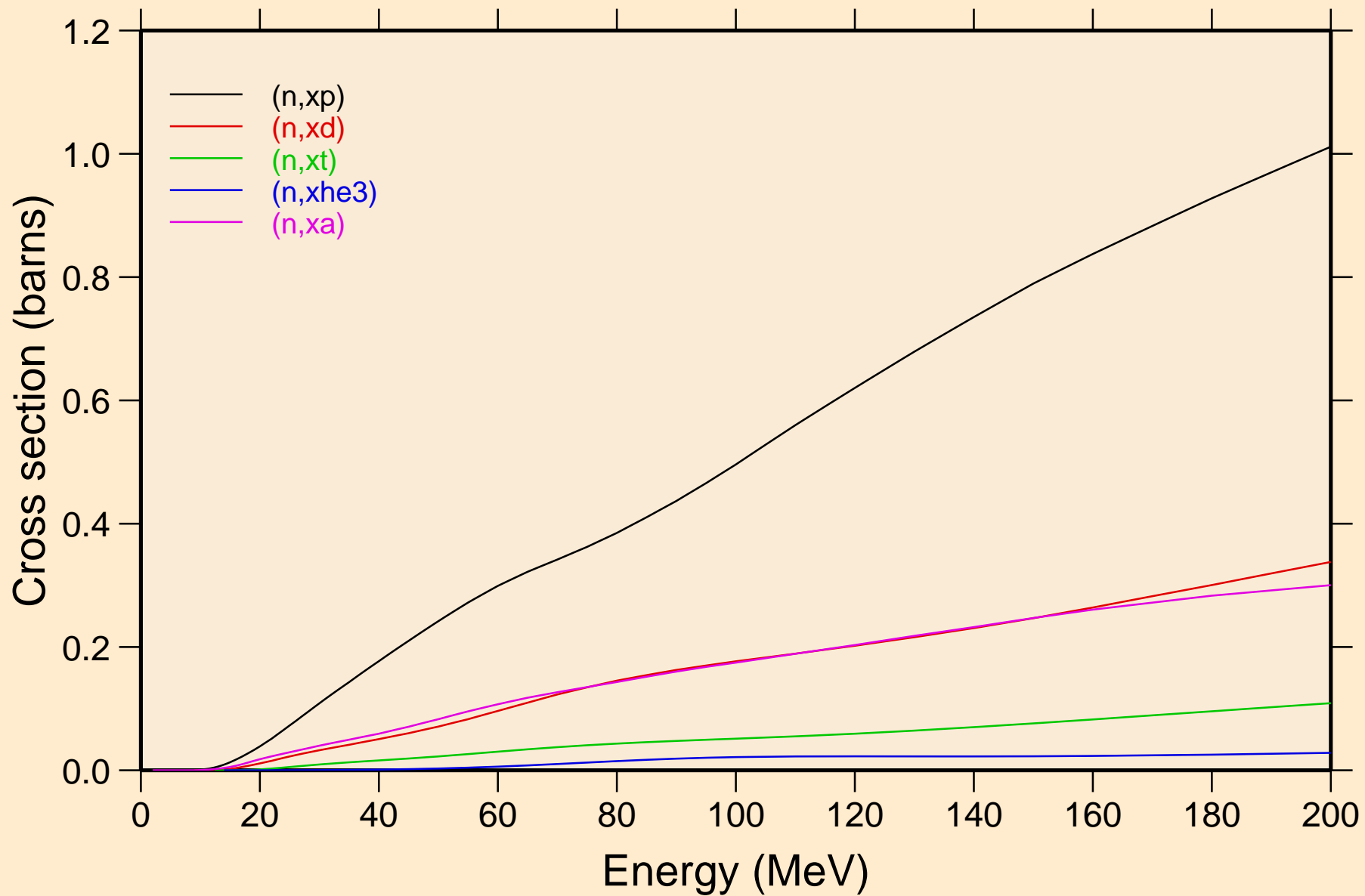
# JEFF-3.1 GE-74

## Threshold reactions



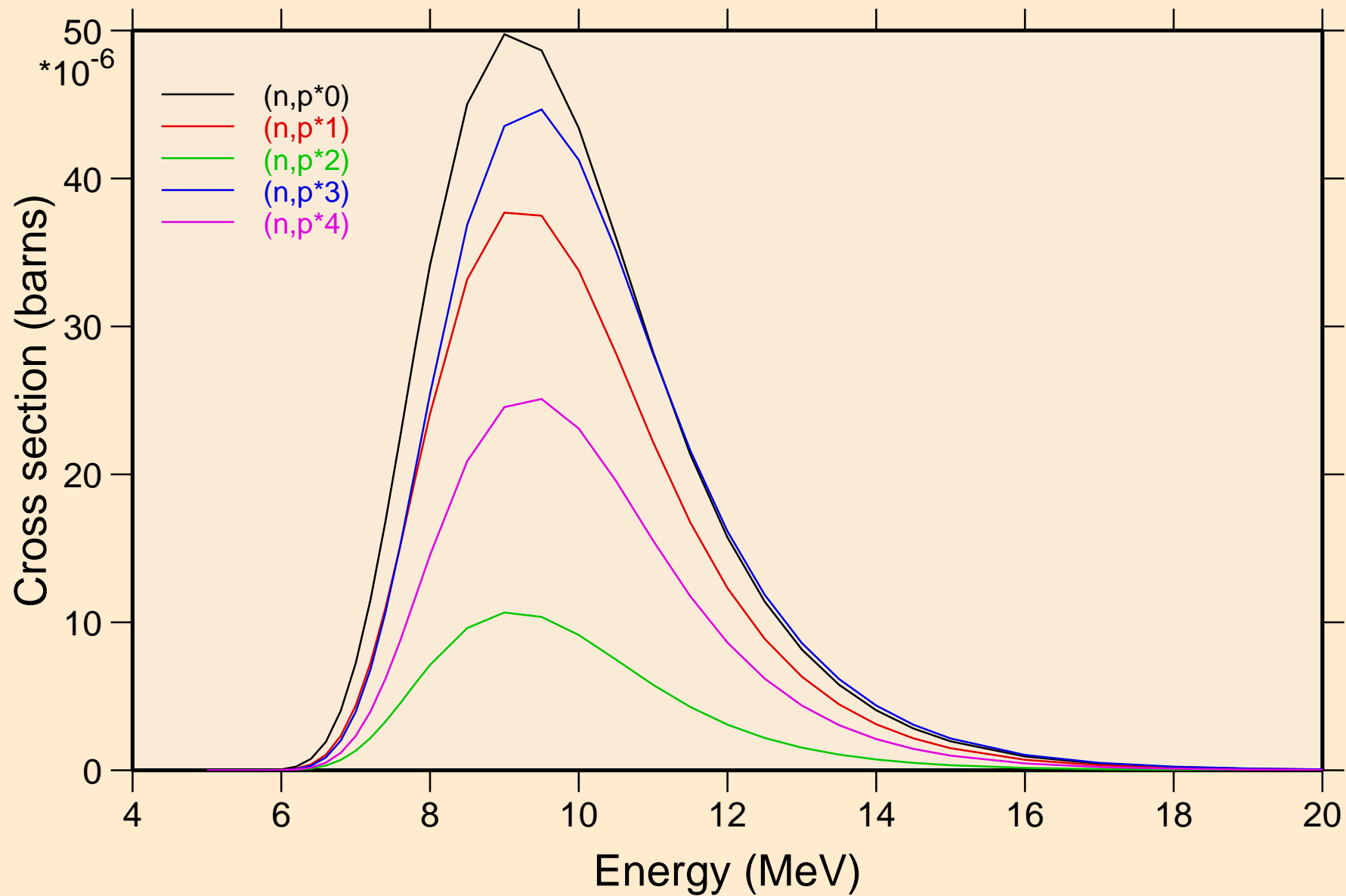
# JEFF-3.1 GE-74

## Threshold reactions



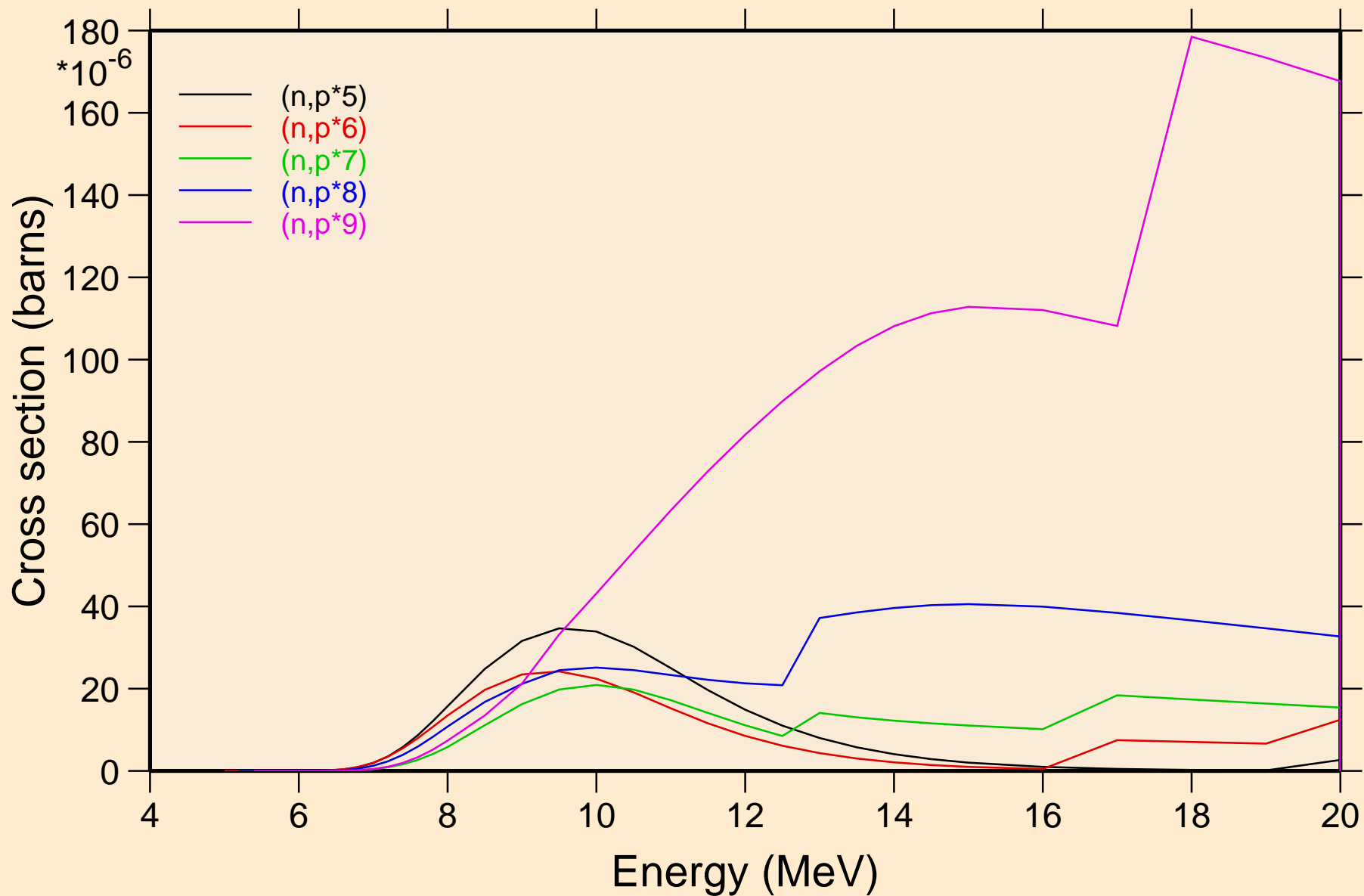
# JEFF-3.1 GE-74

## Threshold reactions



# JEFF-3.1 GE-74

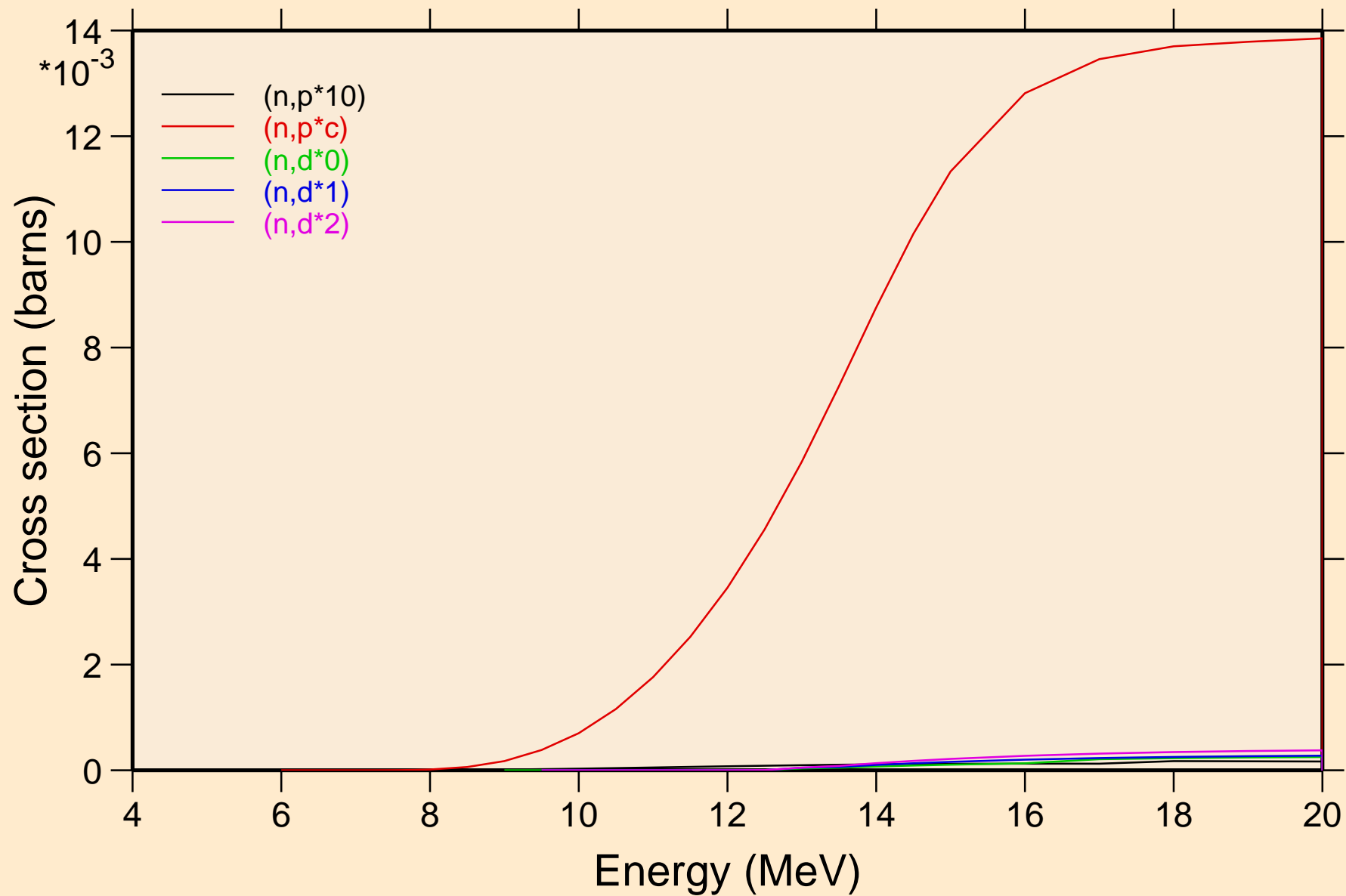
## Threshold reactions





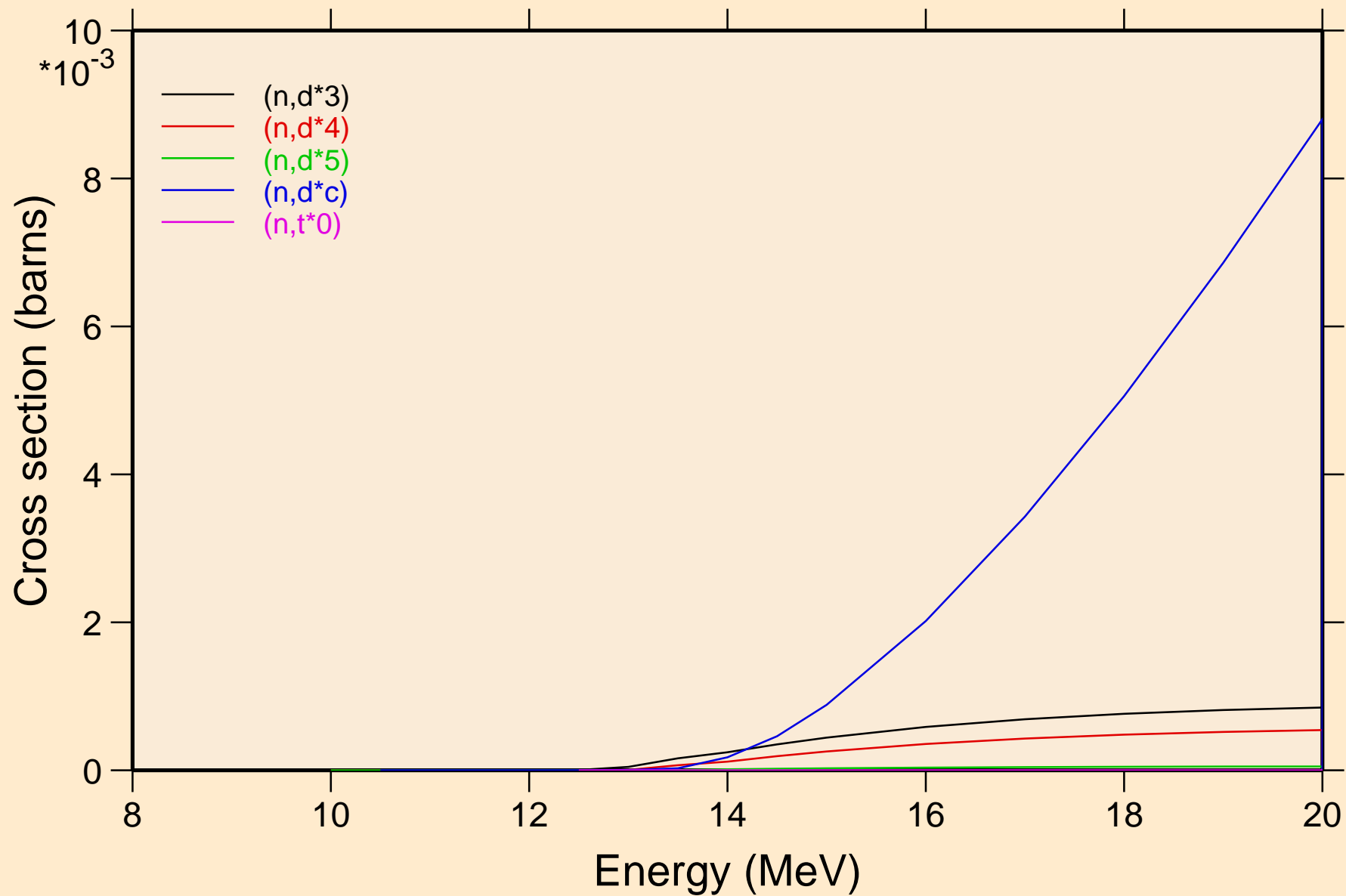
# JEFF-3.1 GE-74

## Threshold reactions



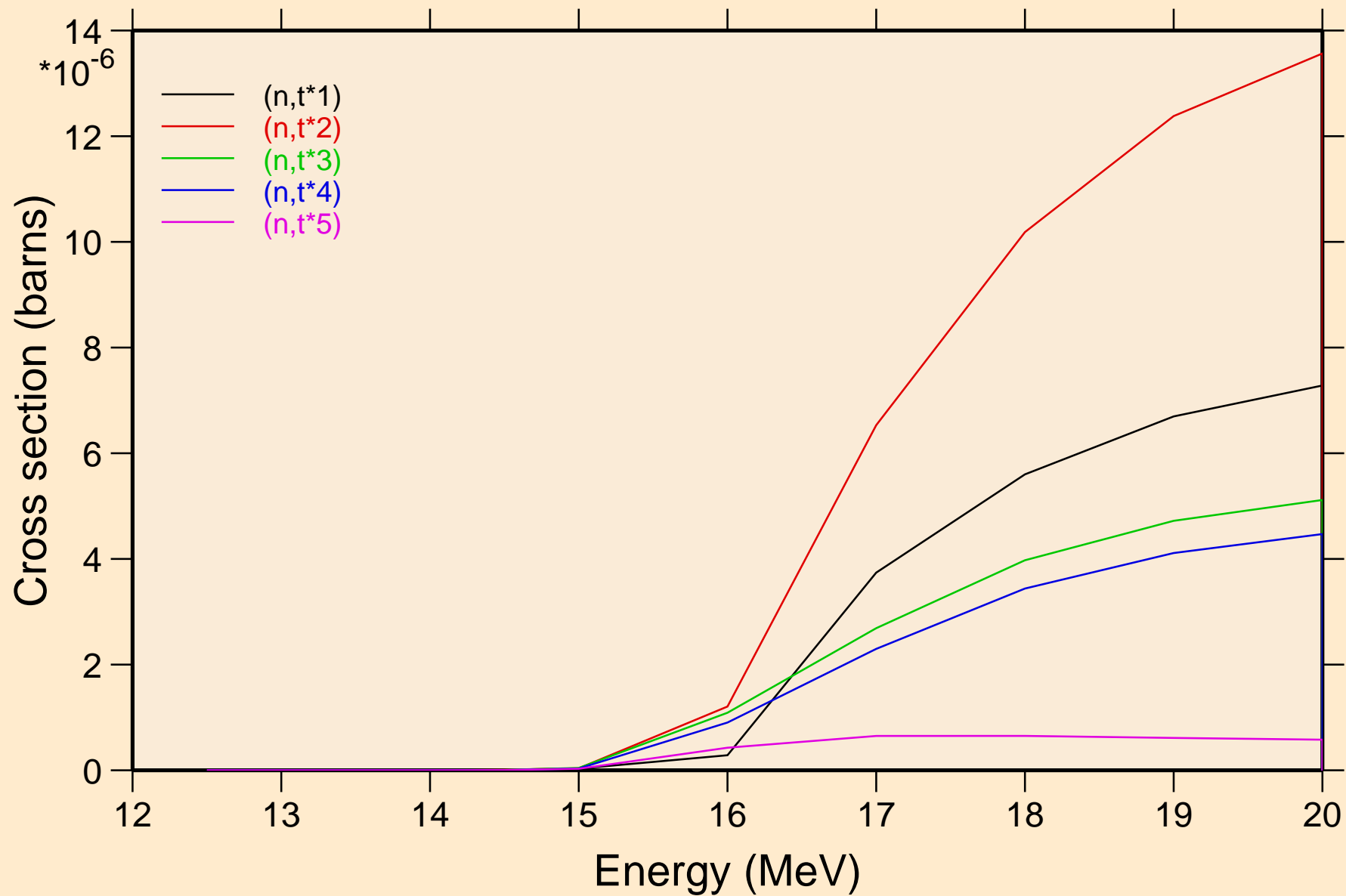
# JEFF-3.1 GE-74

## Threshold reactions



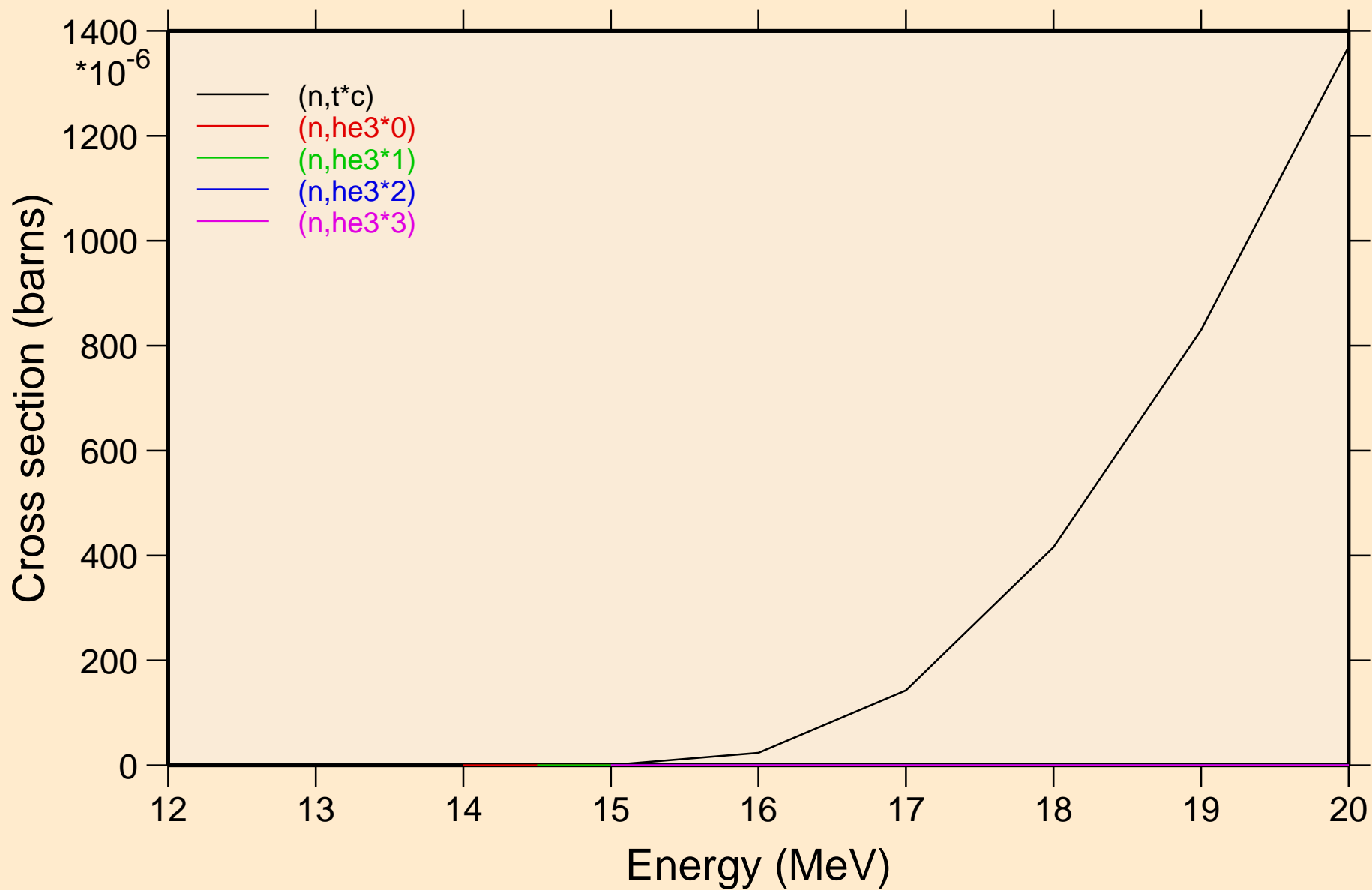
# JEFF-3.1 GE-74

## Threshold reactions



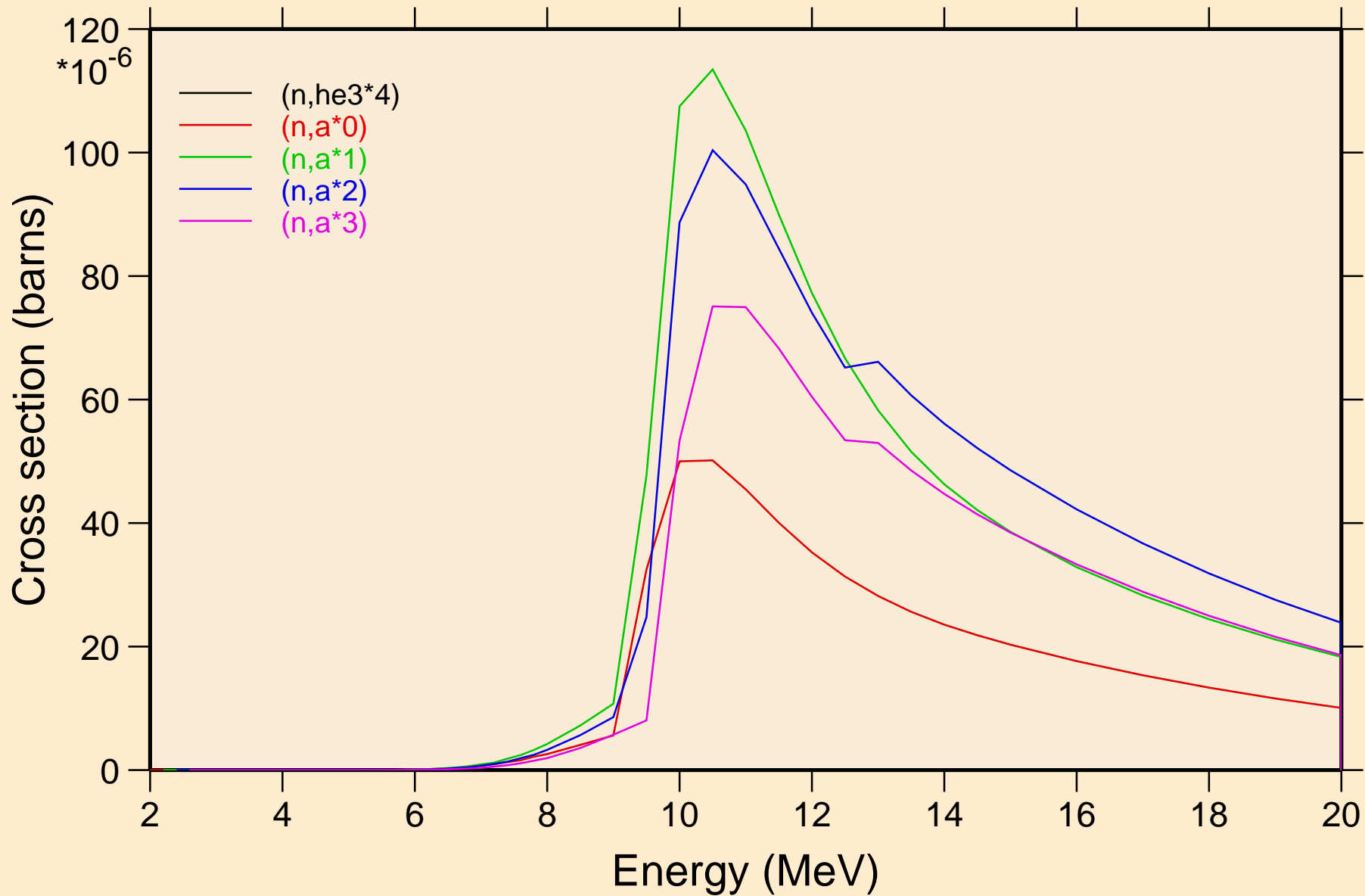
# JEFF-3.1 GE-74

## Threshold reactions



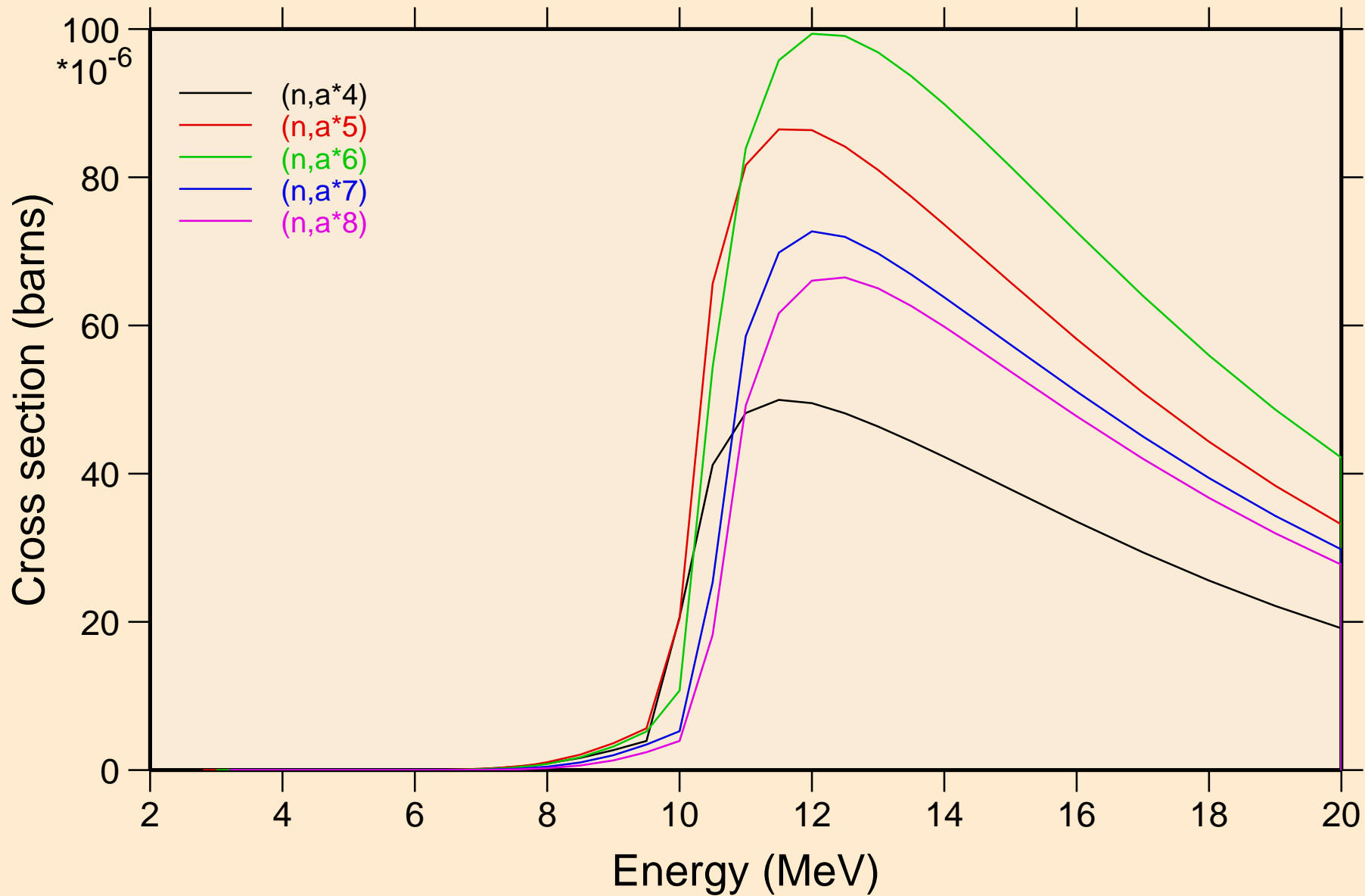
# JEFF-3.1 GE-74

## Threshold reactions



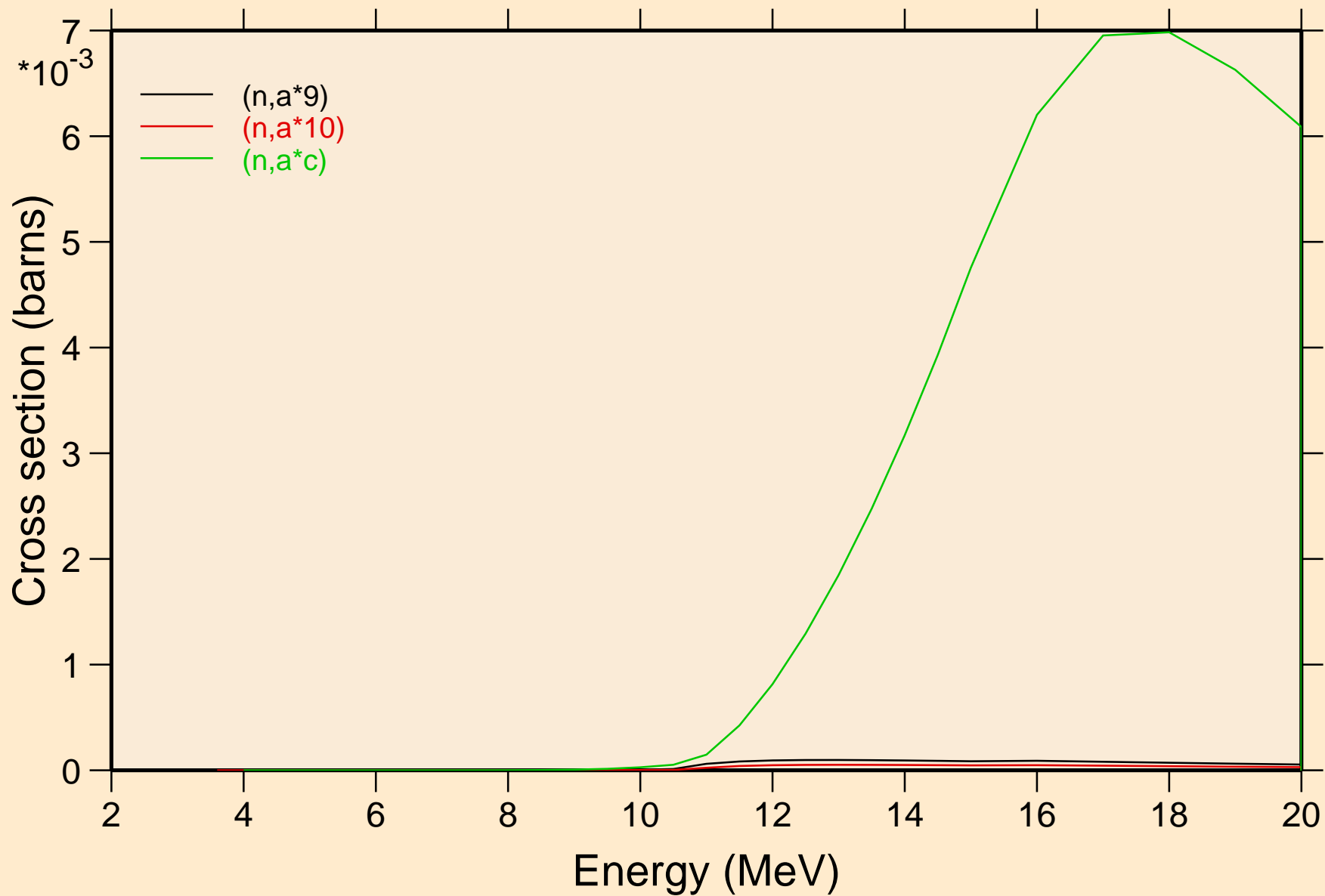
# JEFF-3.1 GE-74

## Threshold reactions

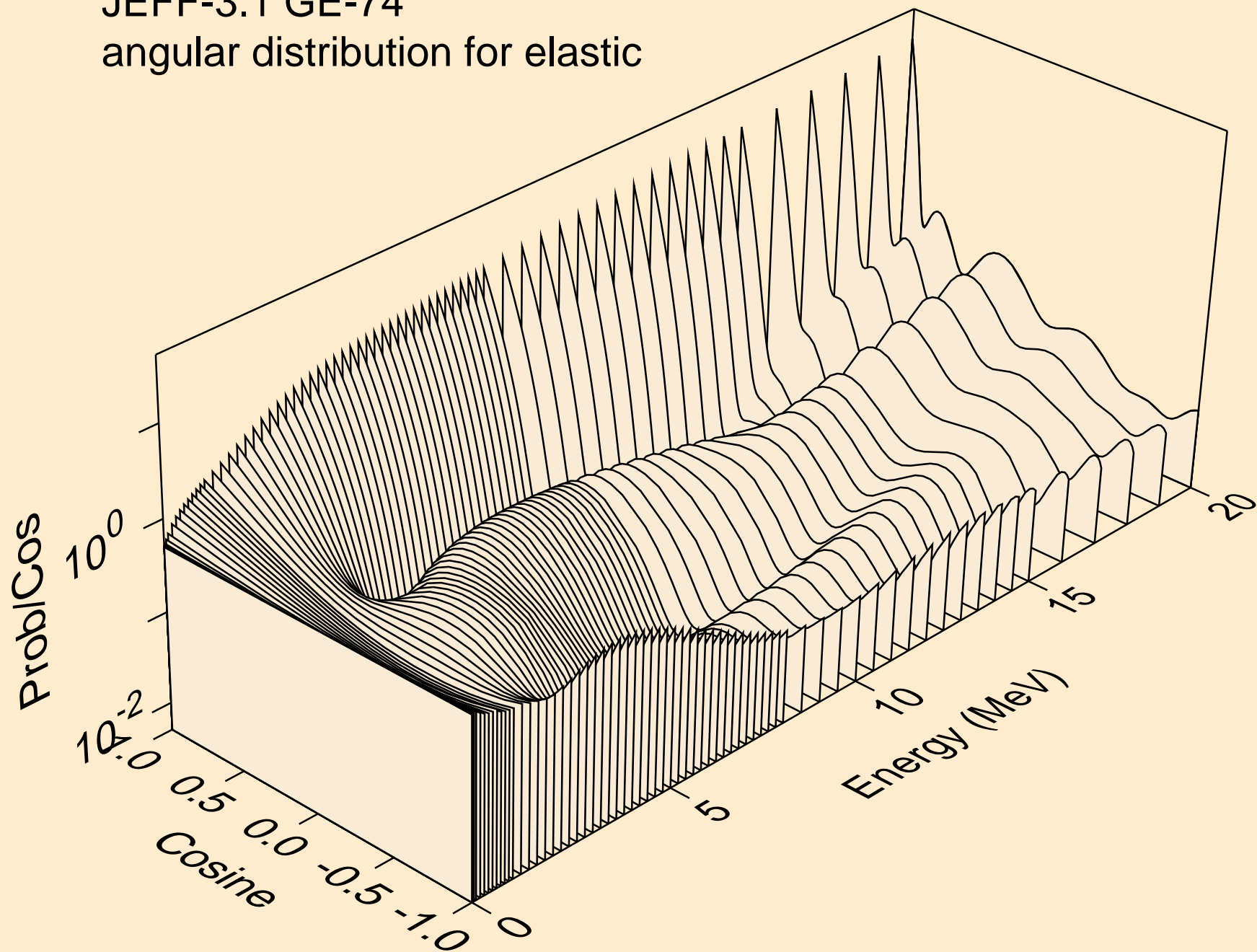


# JEFF-3.1 GE-74

## Threshold reactions

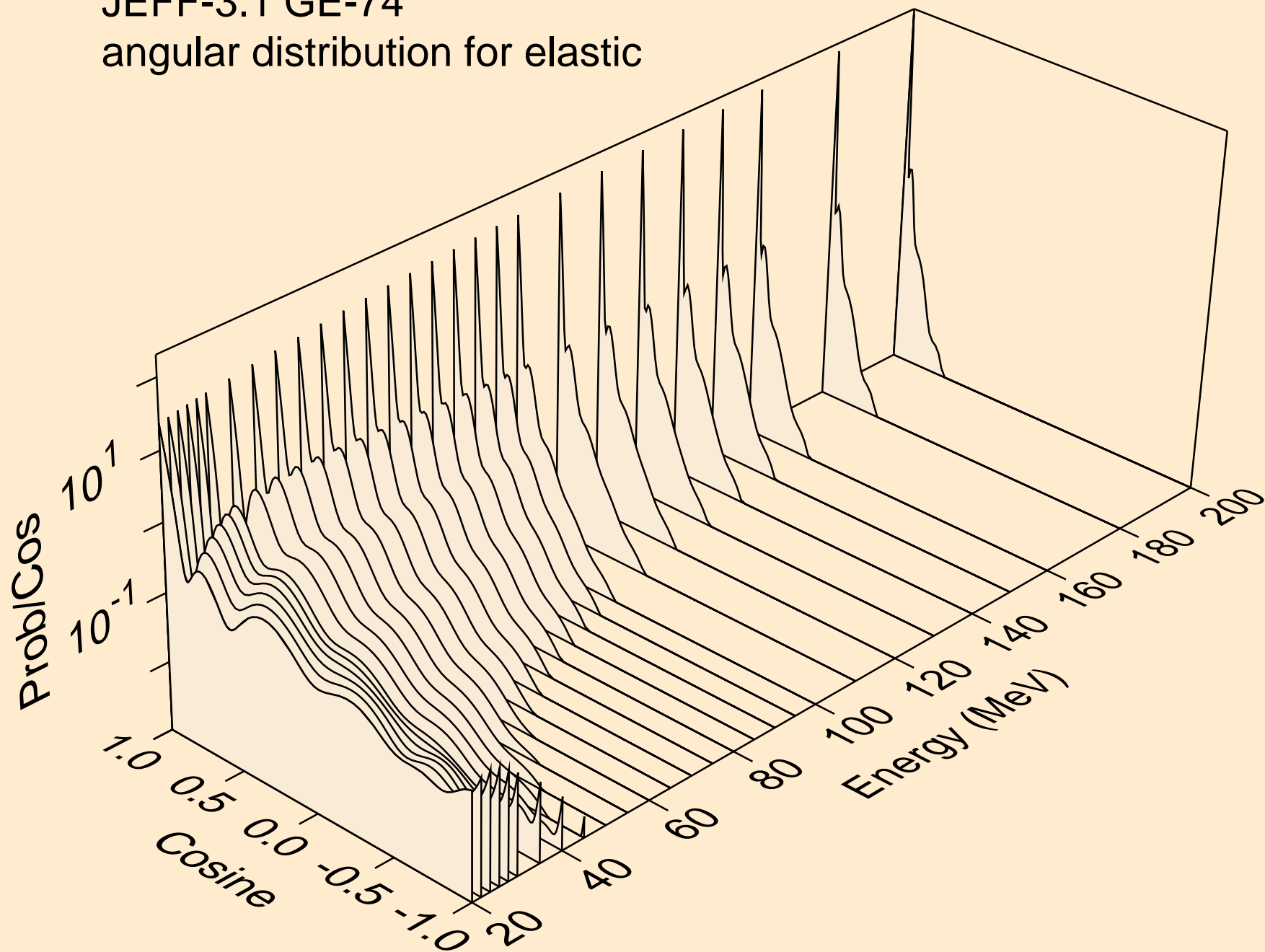


JEFF-3.1 GE-74  
angular distribution for elastic

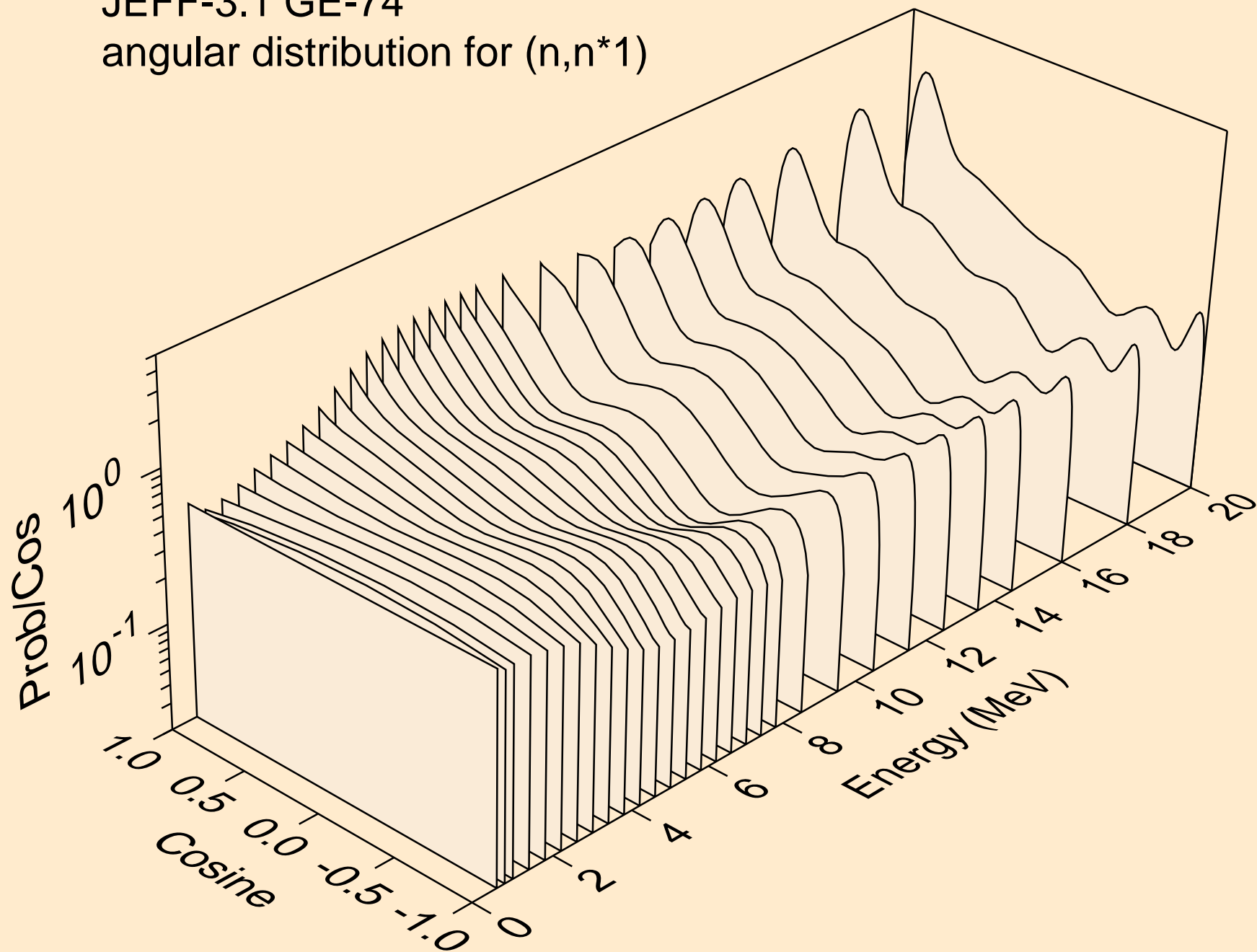




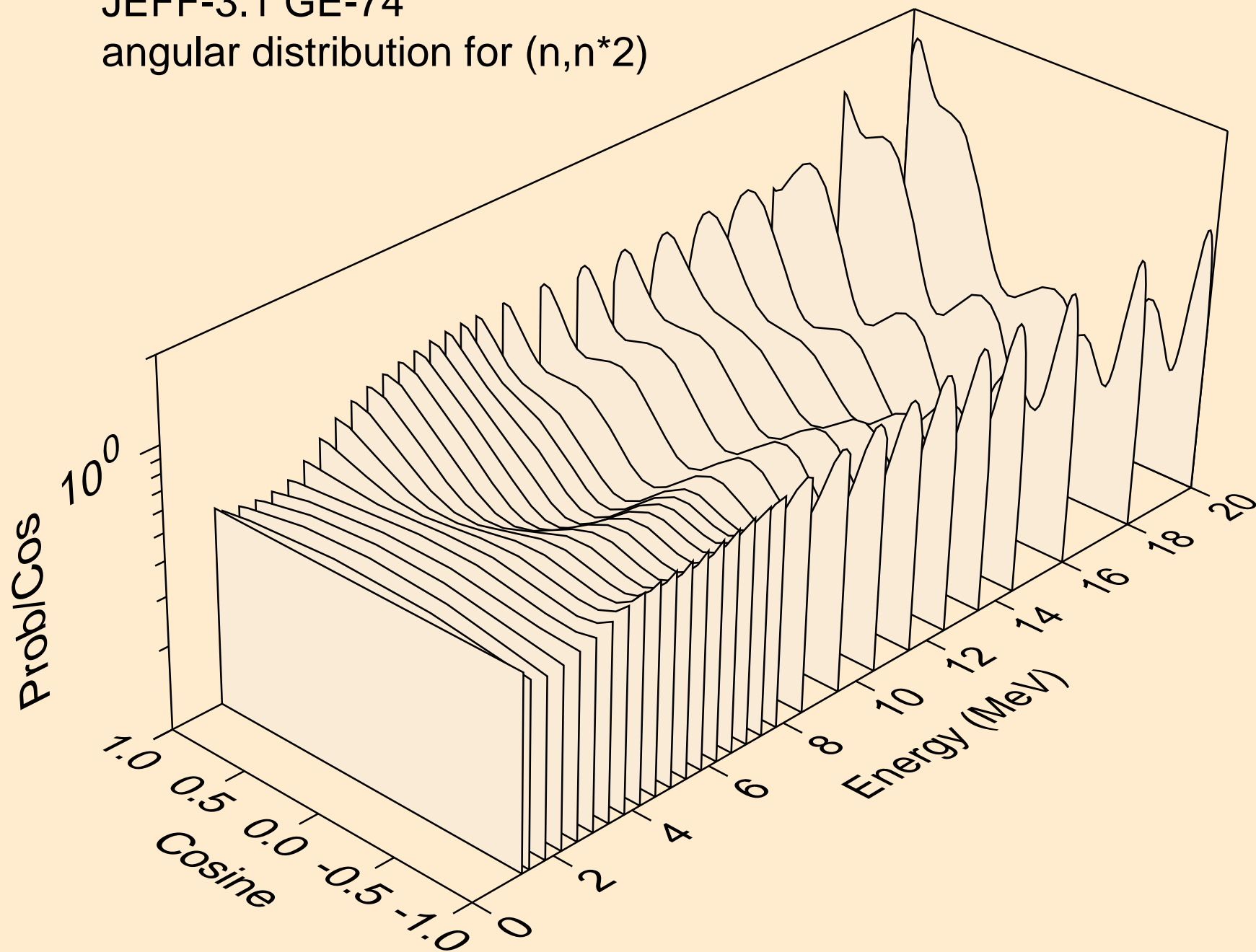
JEFF-3.1 GE-74  
angular distribution for elastic



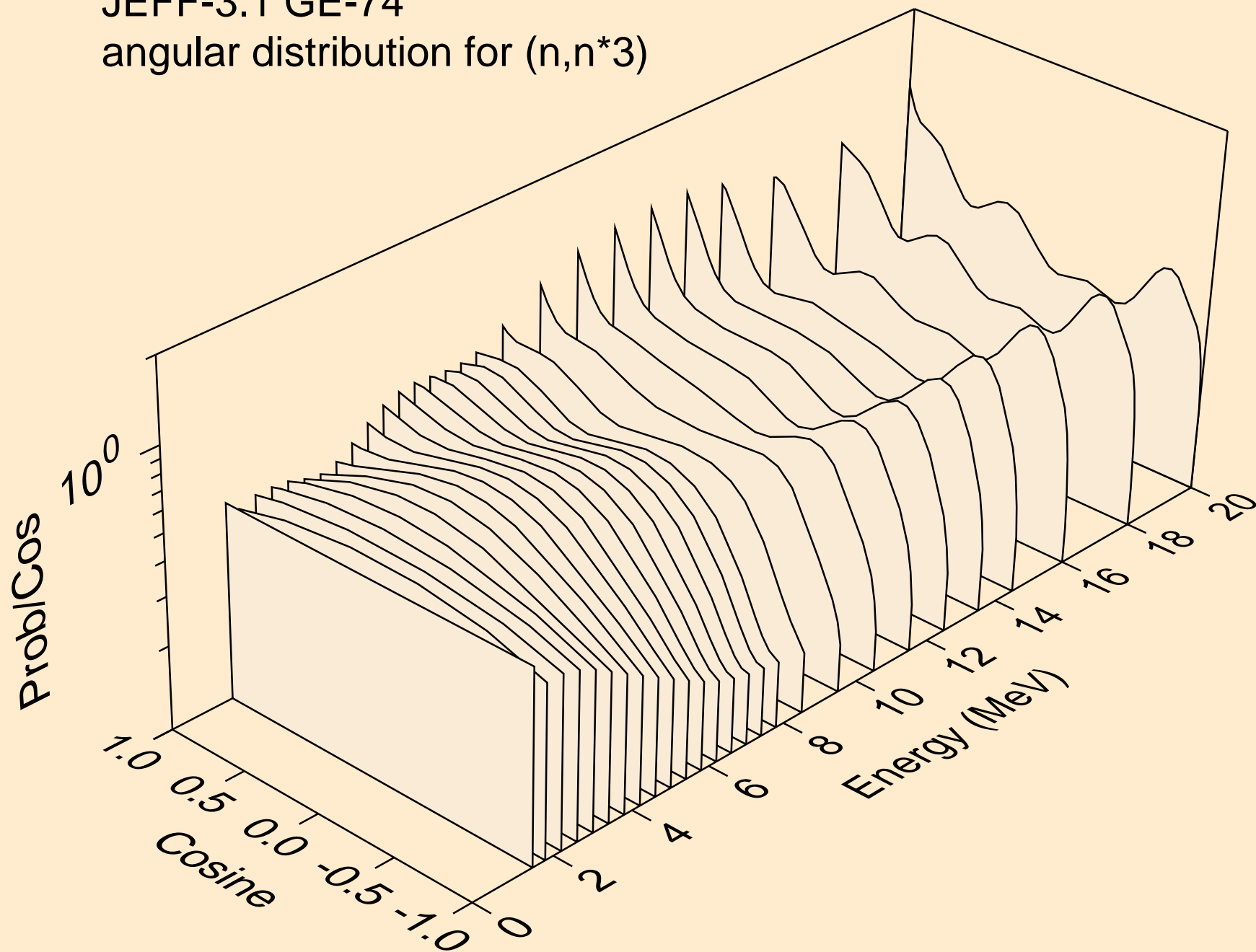
JEFF-3.1 GE-74  
angular distribution for (n,n\*1)



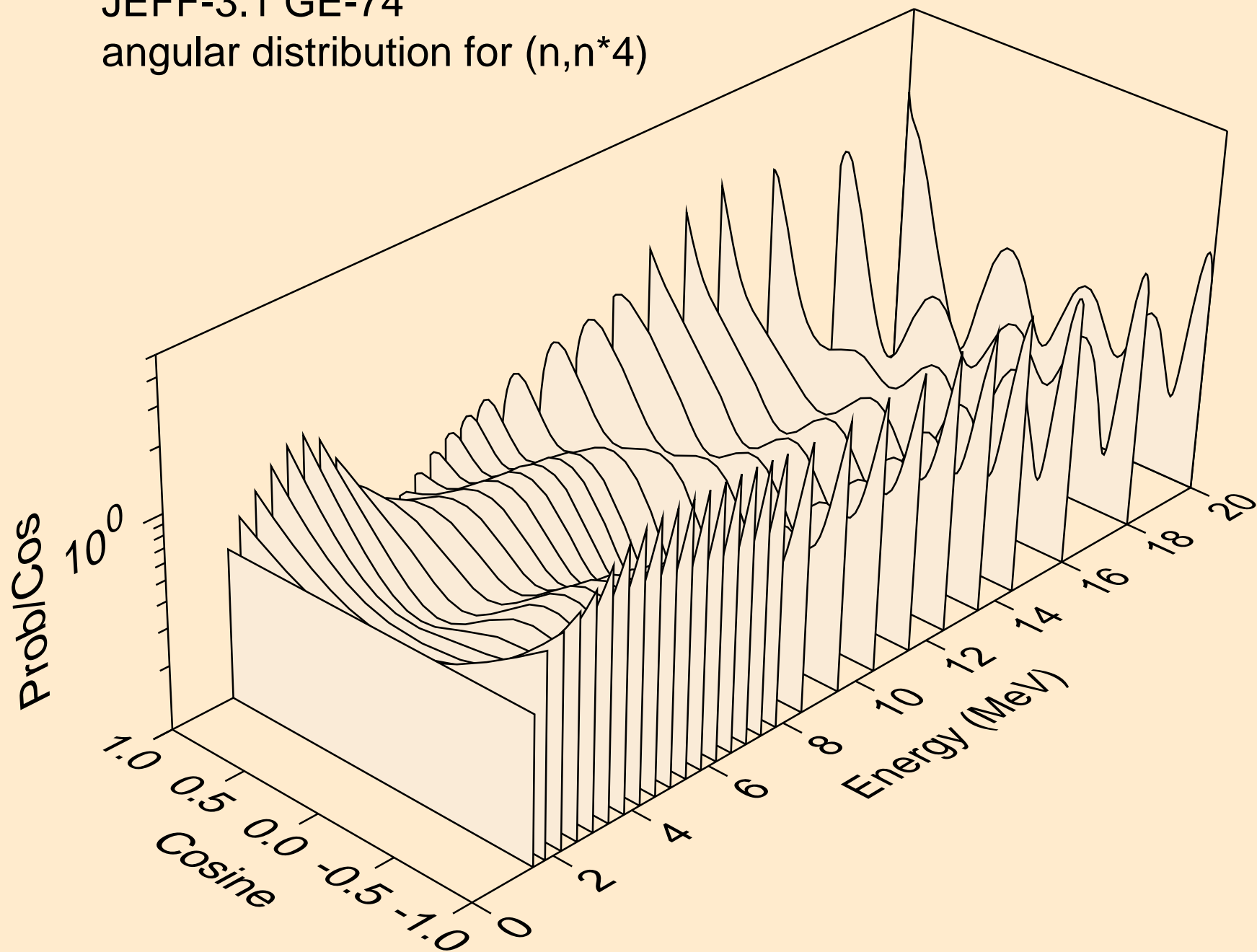
JEFF-3.1 GE-74  
angular distribution for (n,n\*2)



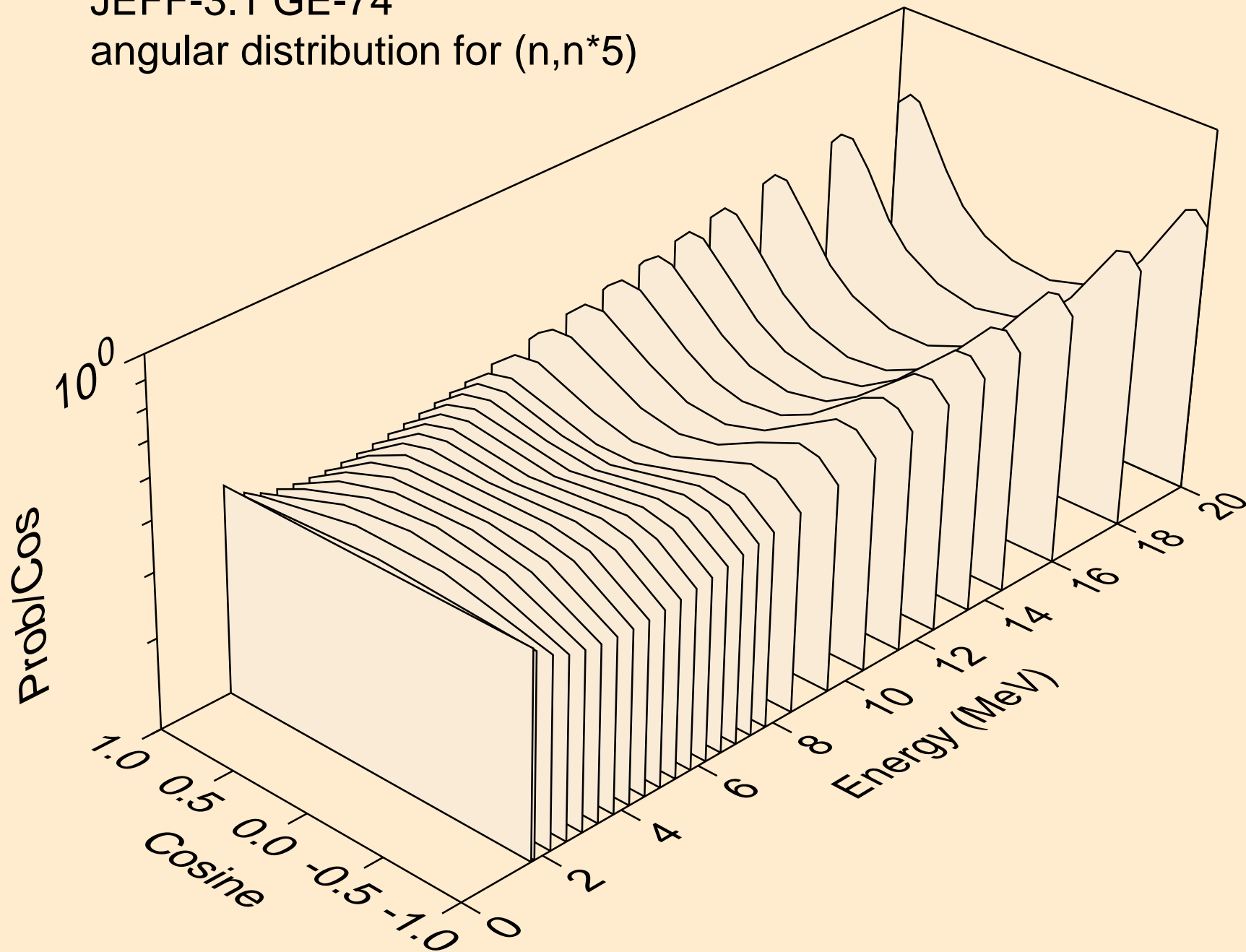
JEFF-3.1 GE-74  
angular distribution for (n,n\*3)



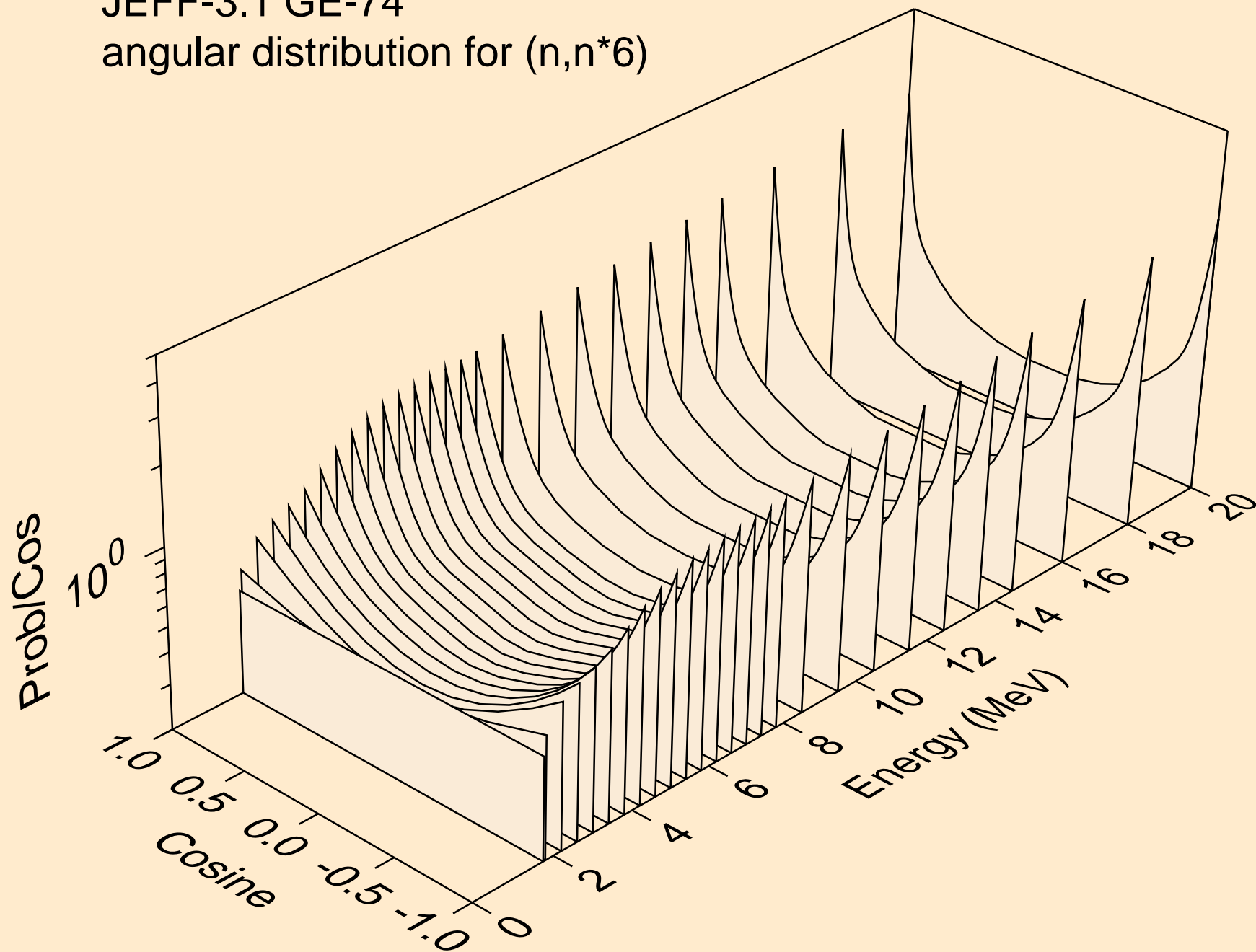
JEFF-3.1 GE-74  
angular distribution for (n,n\*4)



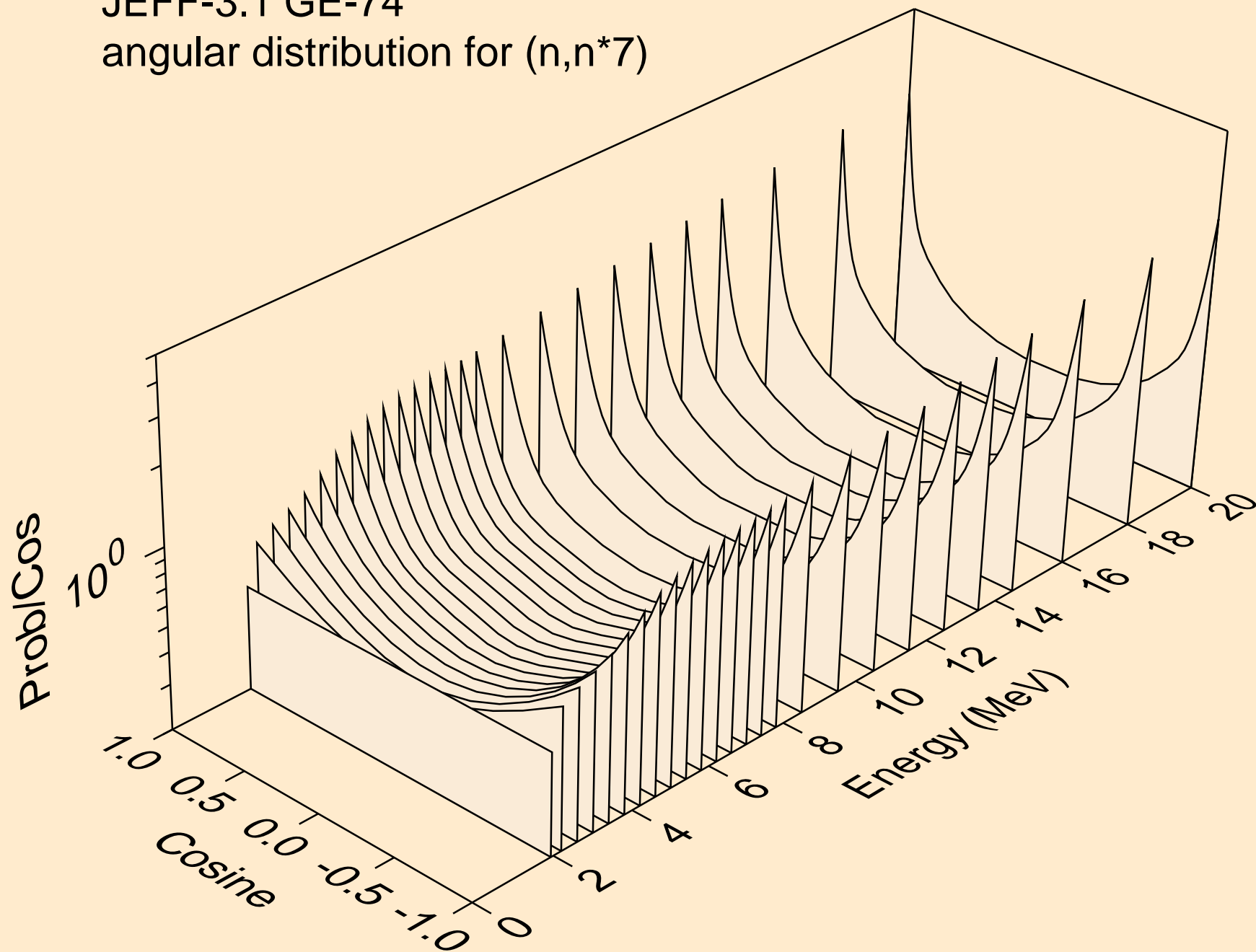
JEFF-3.1 GE-74  
angular distribution for (n,n\*5)



JEFF-3.1 GE-74  
angular distribution for (n,n\*6)

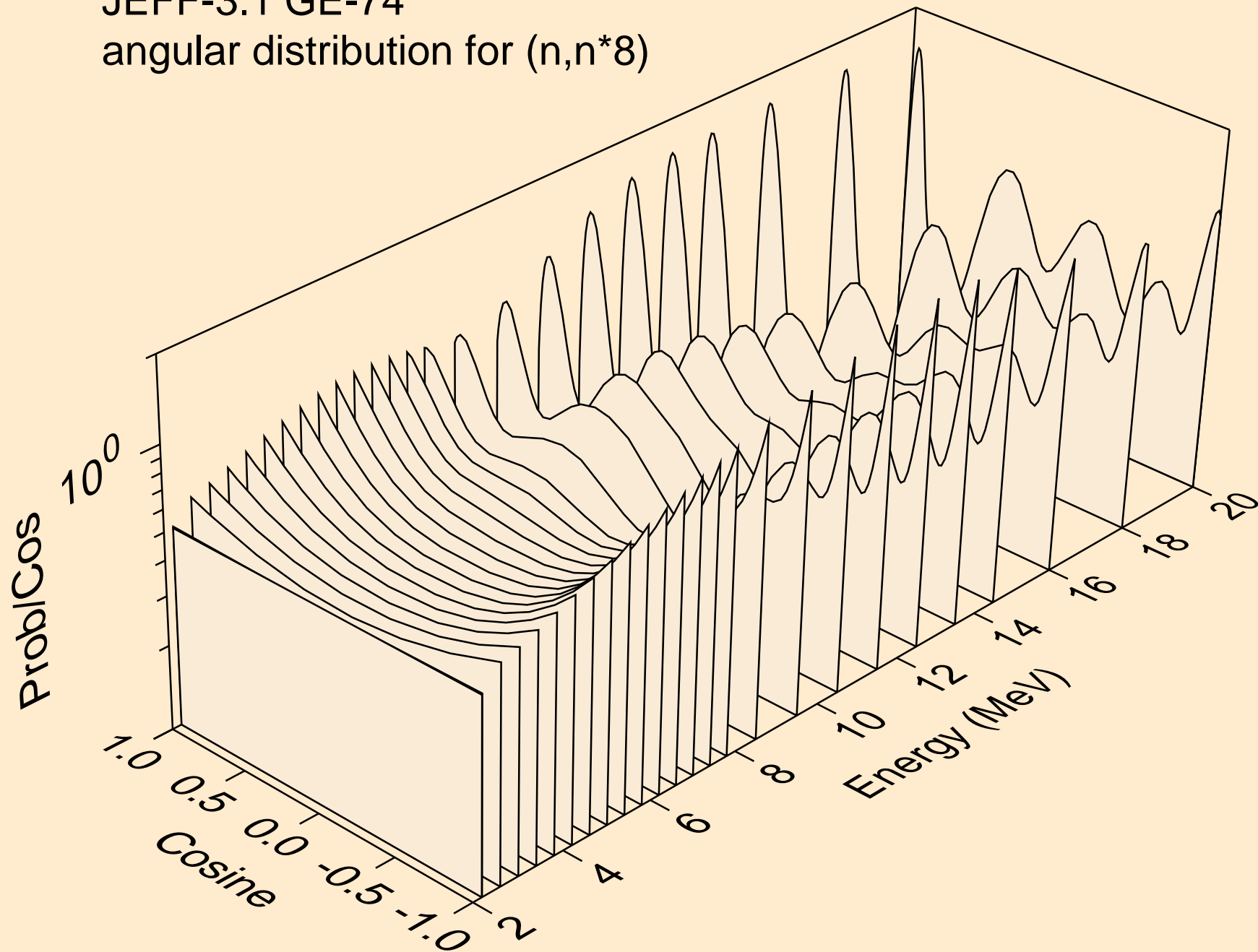


JEFF-3.1 GE-74  
angular distribution for (n,n\*7)

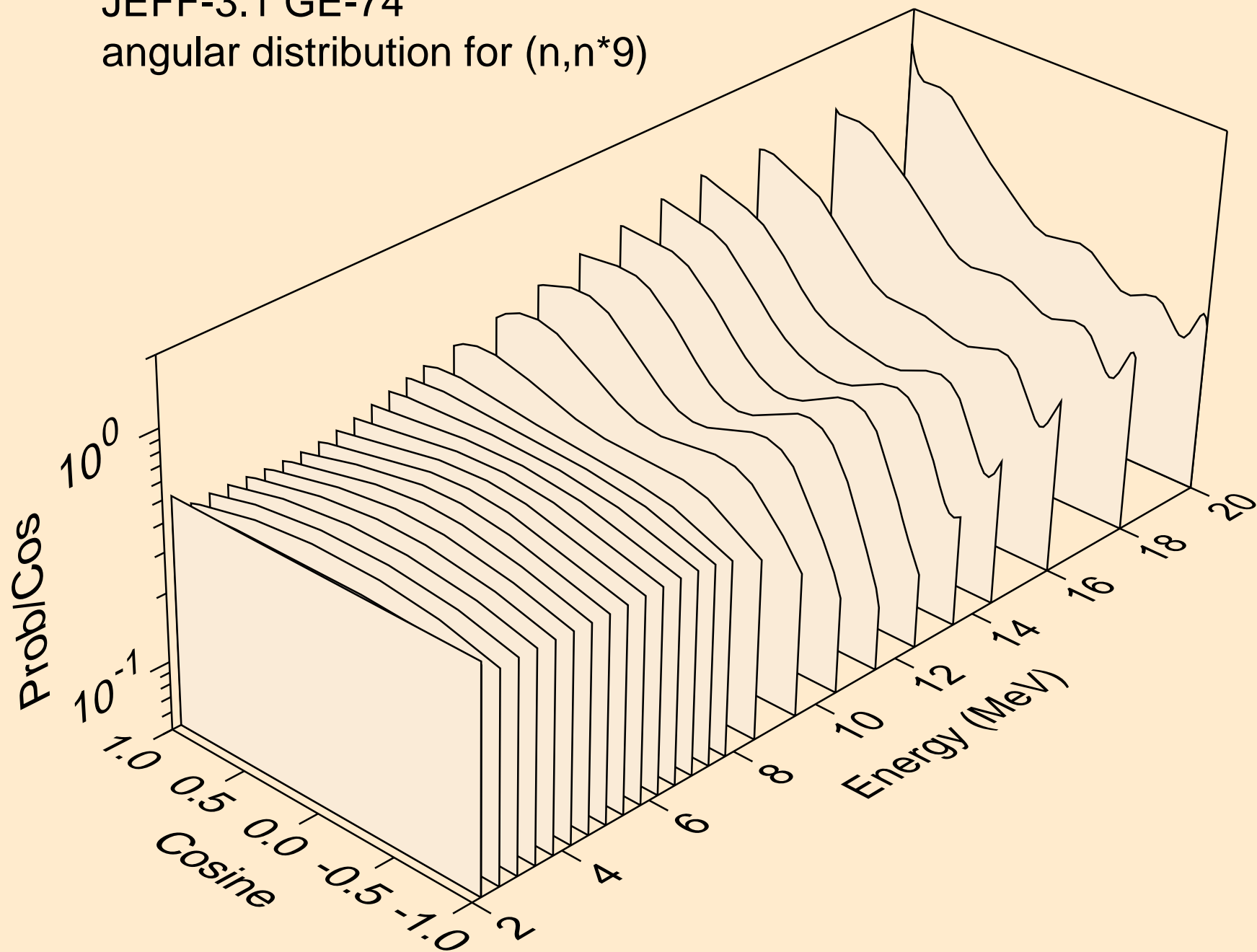




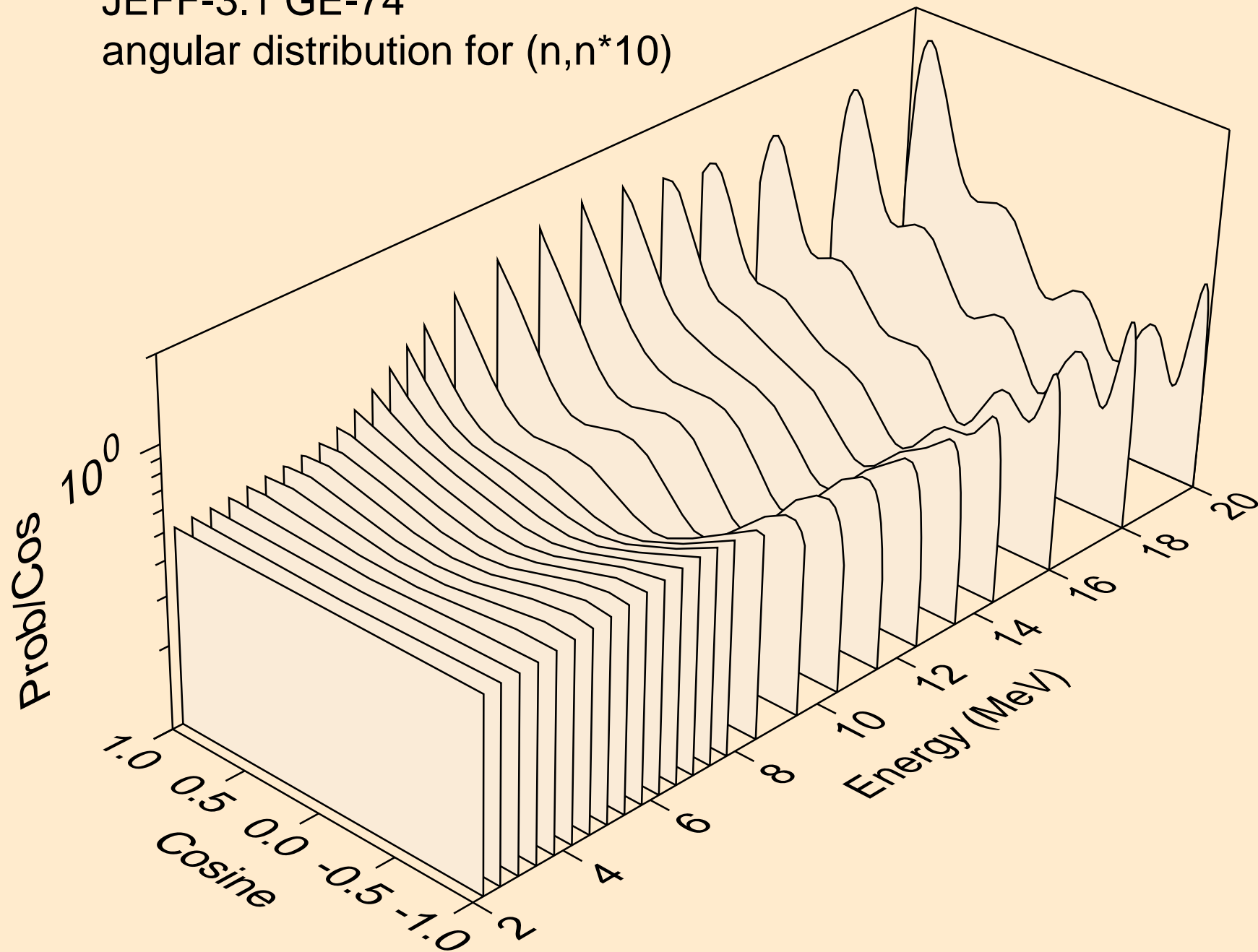
JEFF-3.1 GE-74  
angular distribution for (n,n\*8)



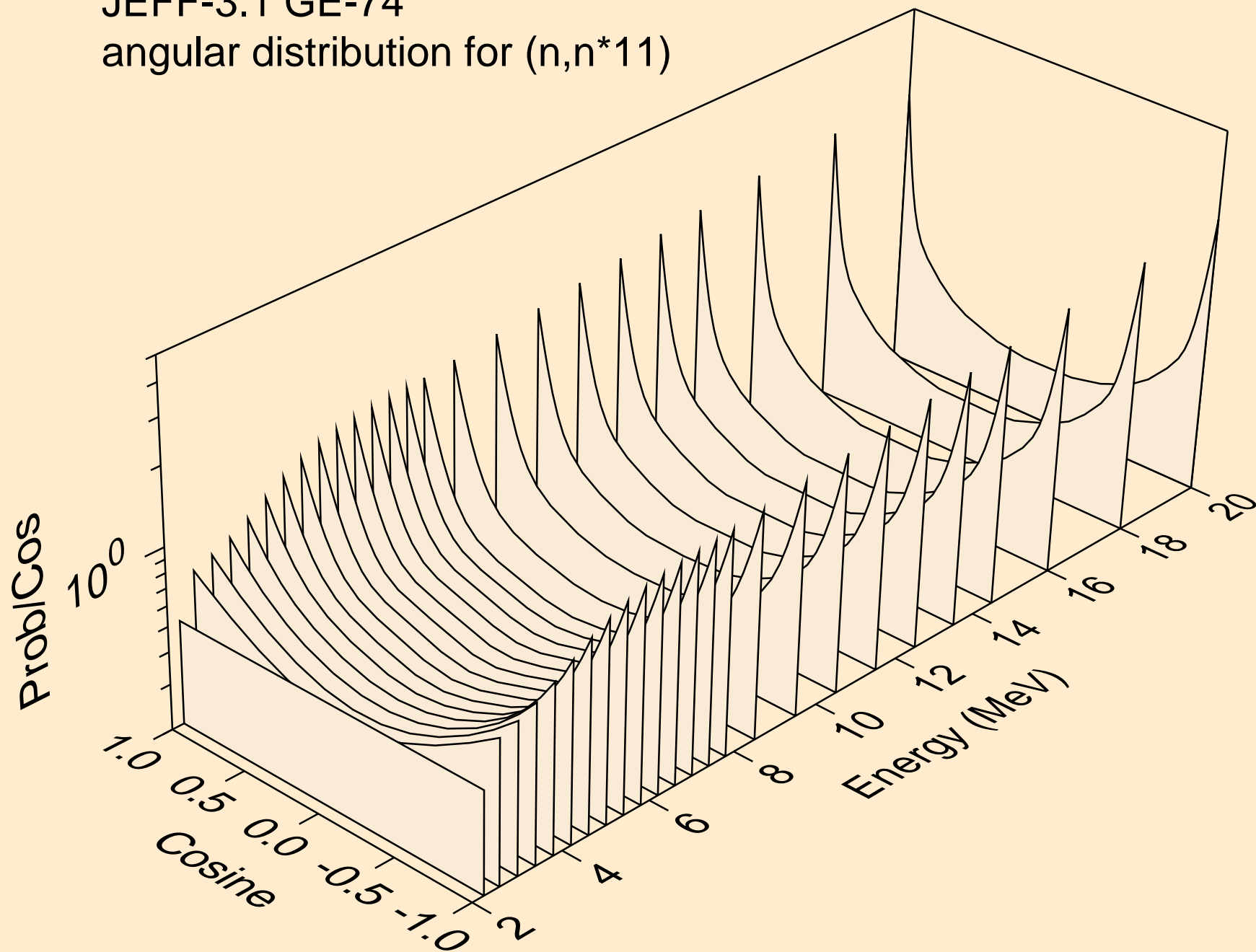
JEFF-3.1 GE-74  
angular distribution for (n,n\*9)



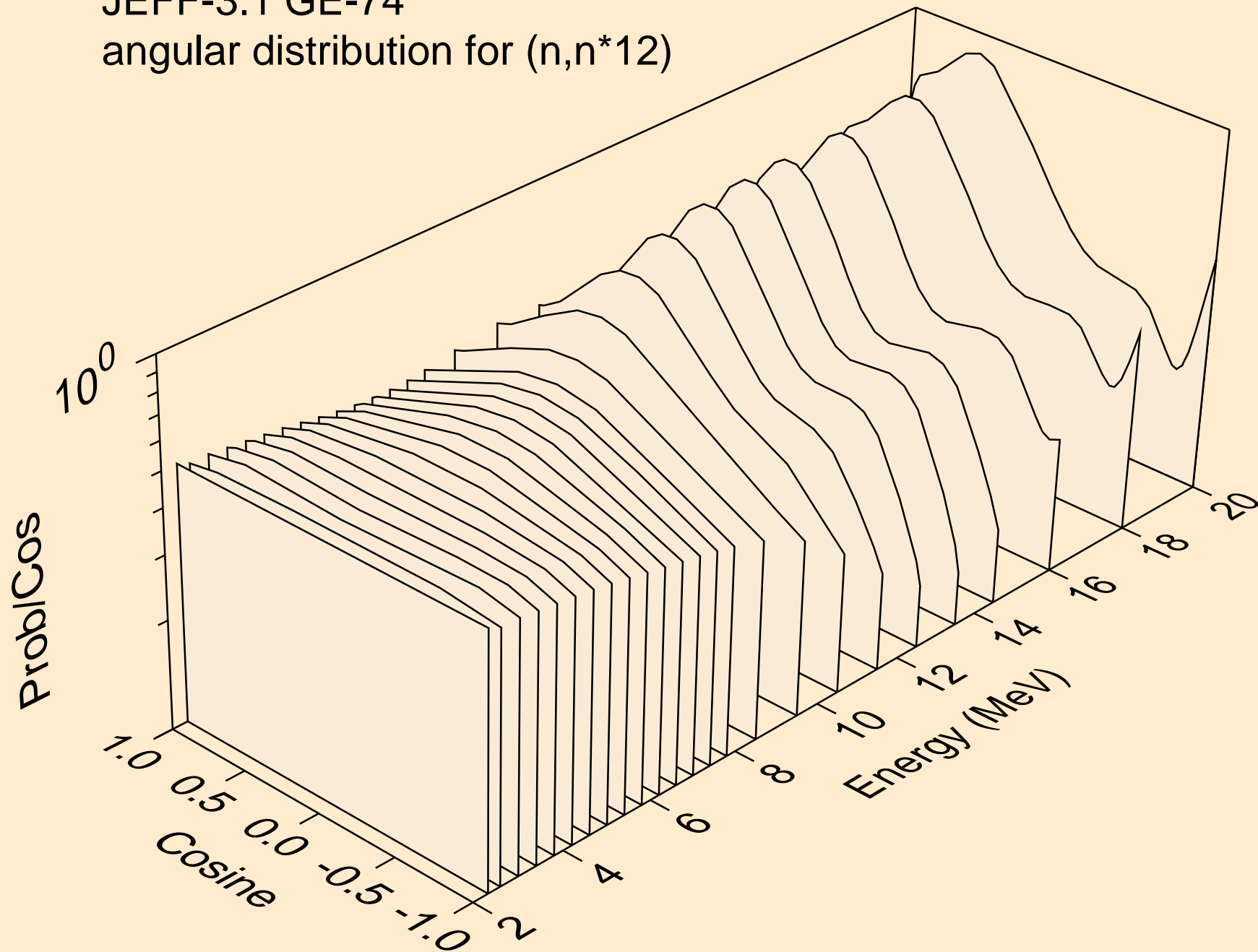
JEFF-3.1 GE-74  
angular distribution for (n,n\*10)



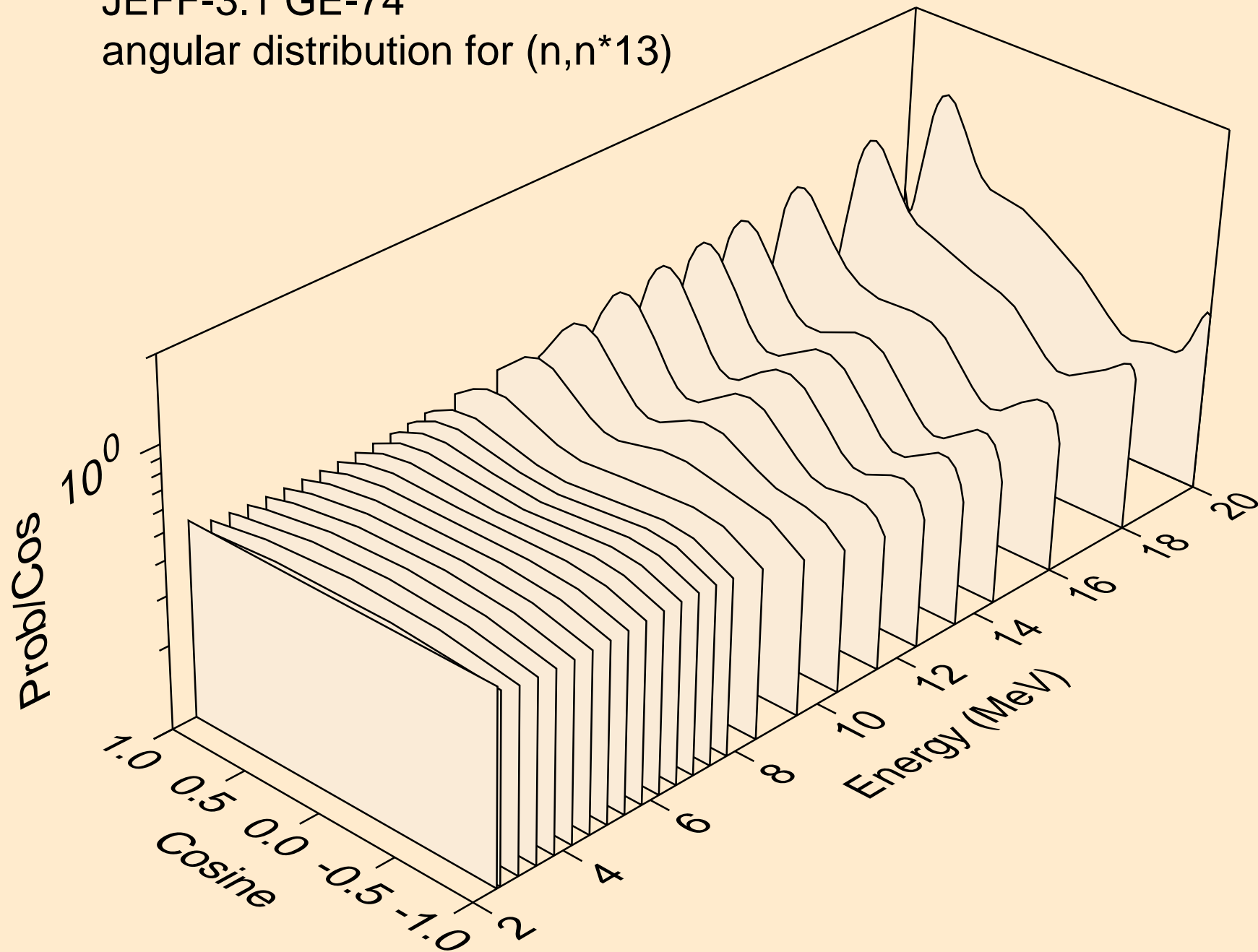
JEFF-3.1 GE-74  
angular distribution for (n,n\*11)



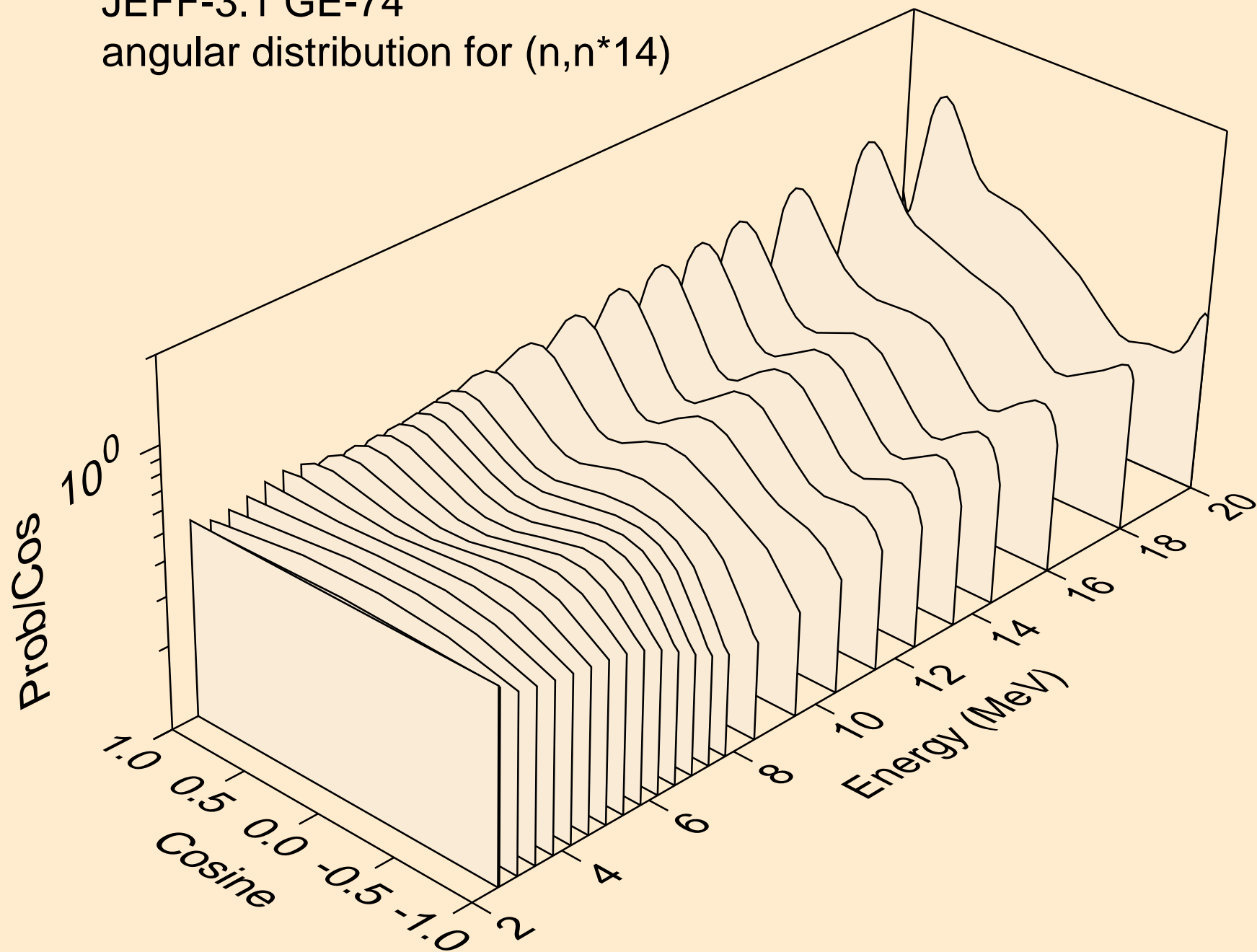
JEFF-3.1 GE-74  
angular distribution for (n,n\*12)



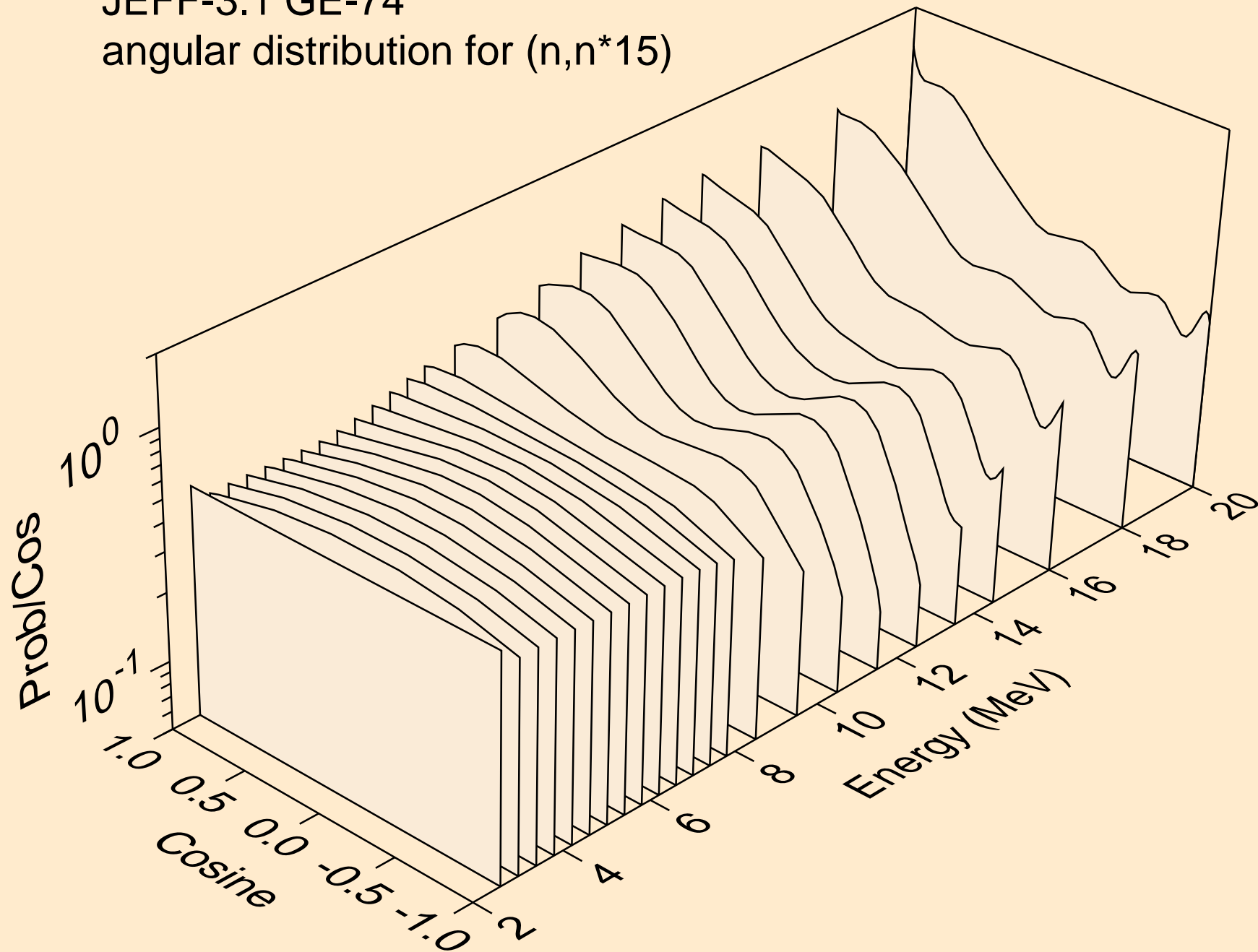
JEFF-3.1 GE-74  
angular distribution for (n,n\*13)



JEFF-3.1 GE-74  
angular distribution for (n,n\*14)

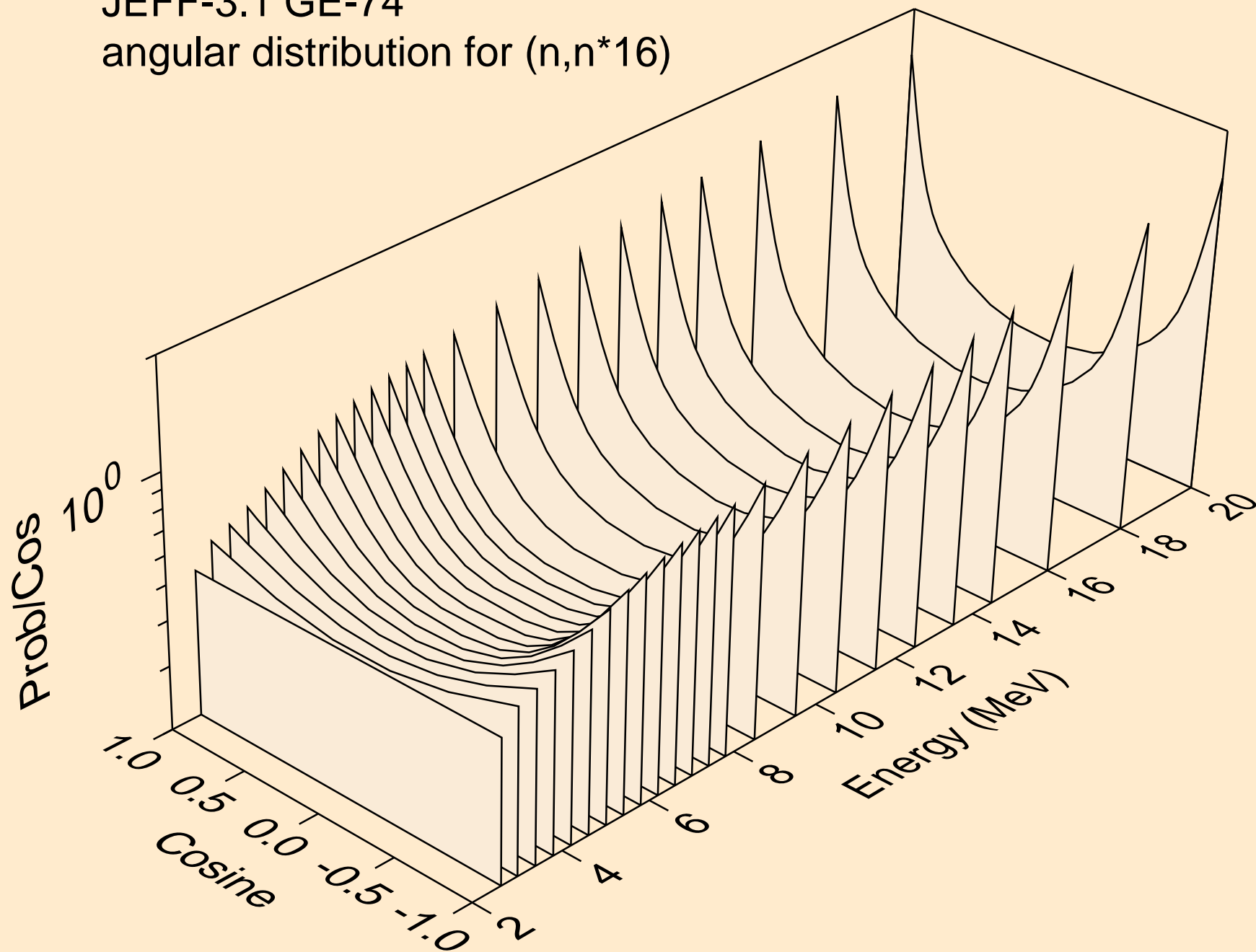


JEFF-3.1 GE-74  
angular distribution for (n,n\*15)

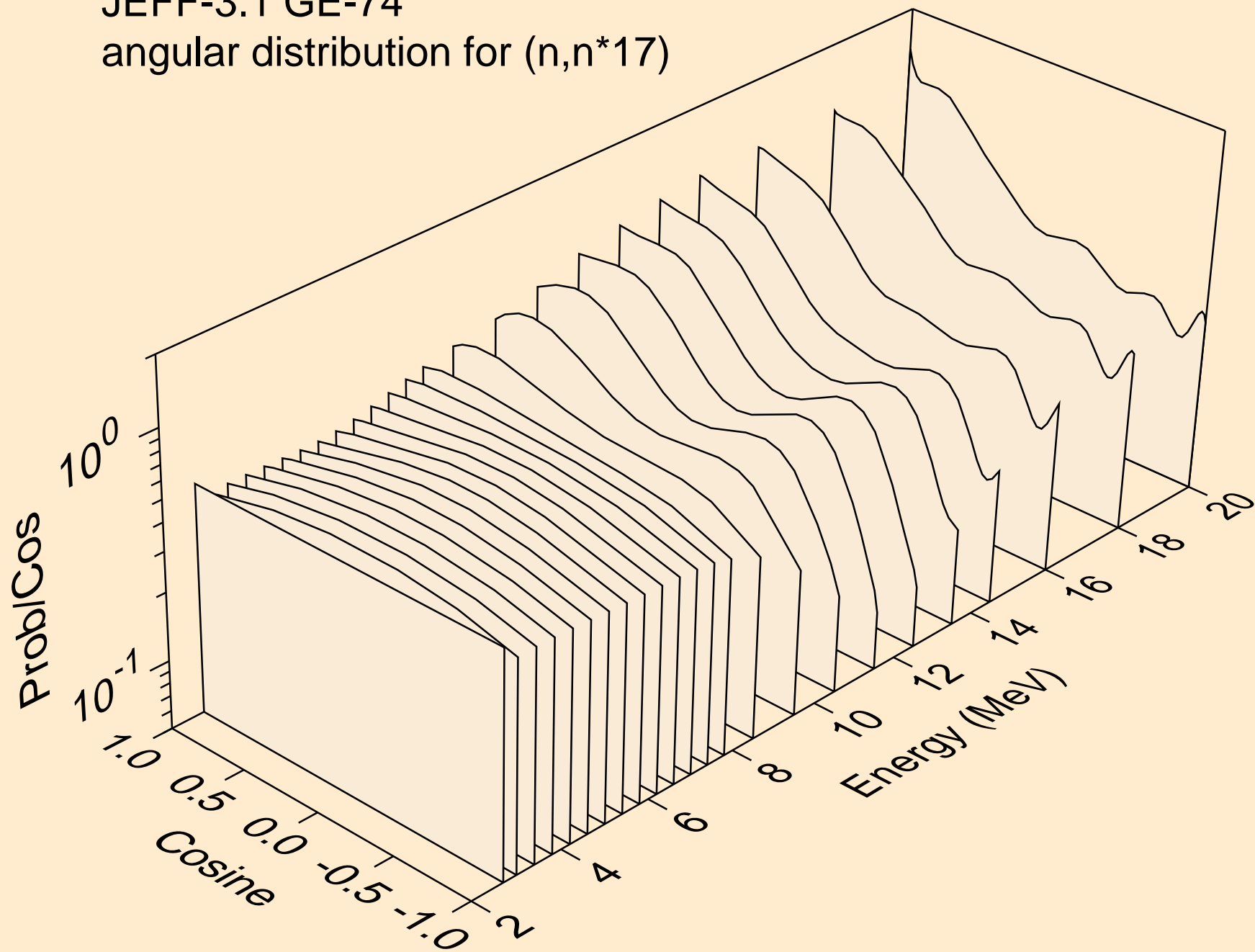




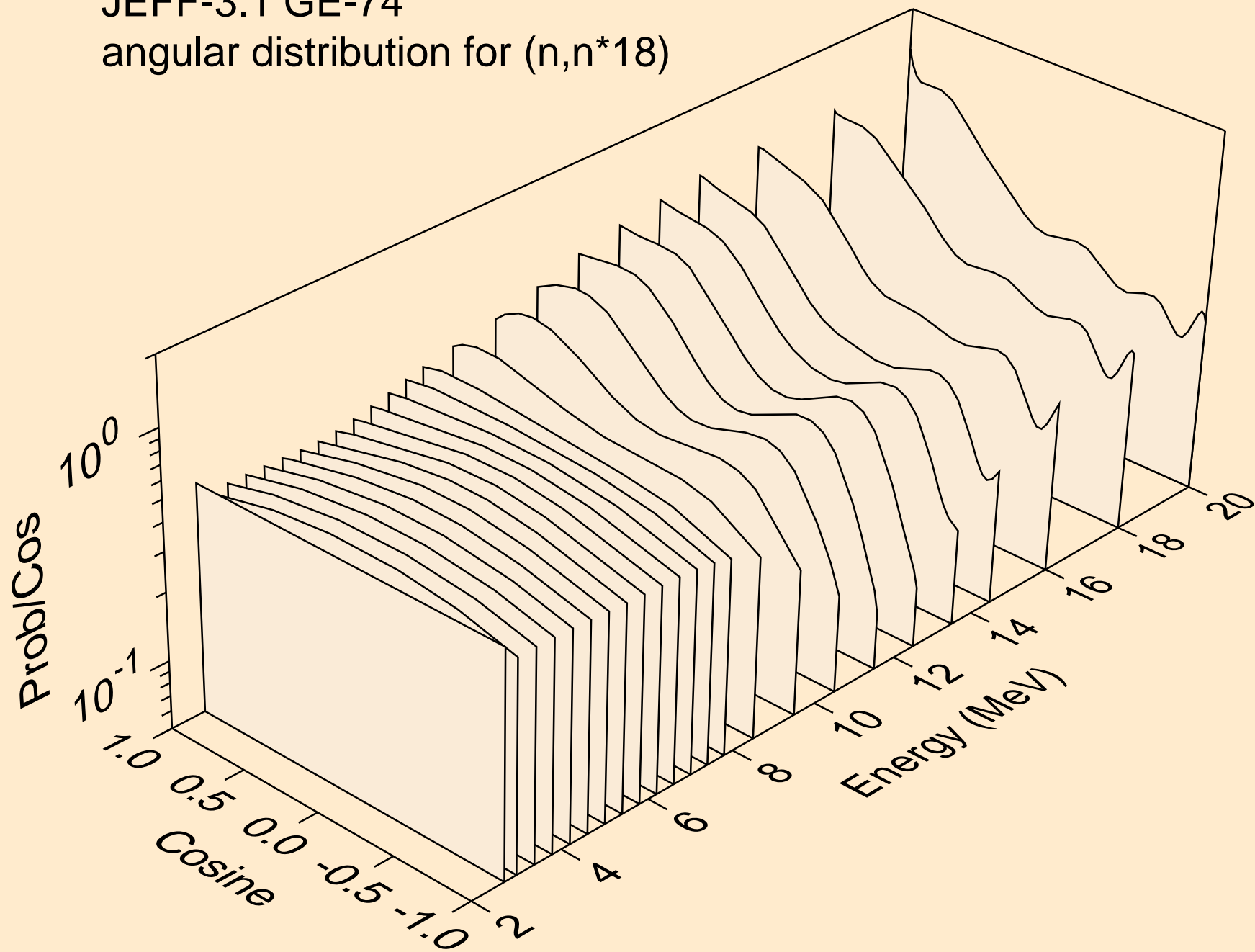
JEFF-3.1 GE-74  
angular distribution for (n,n\*16)



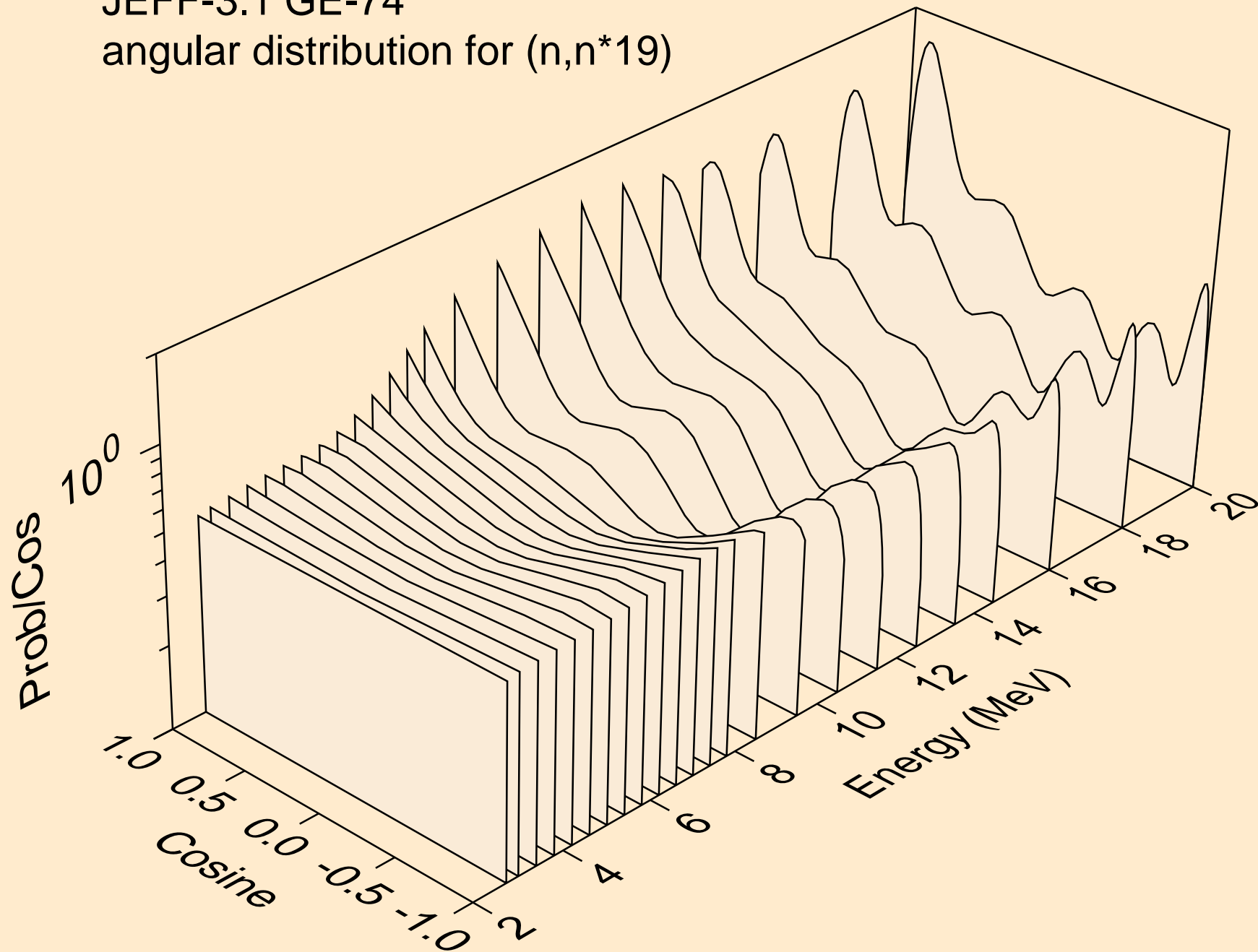
JEFF-3.1 GE-74  
angular distribution for (n,n\*17)



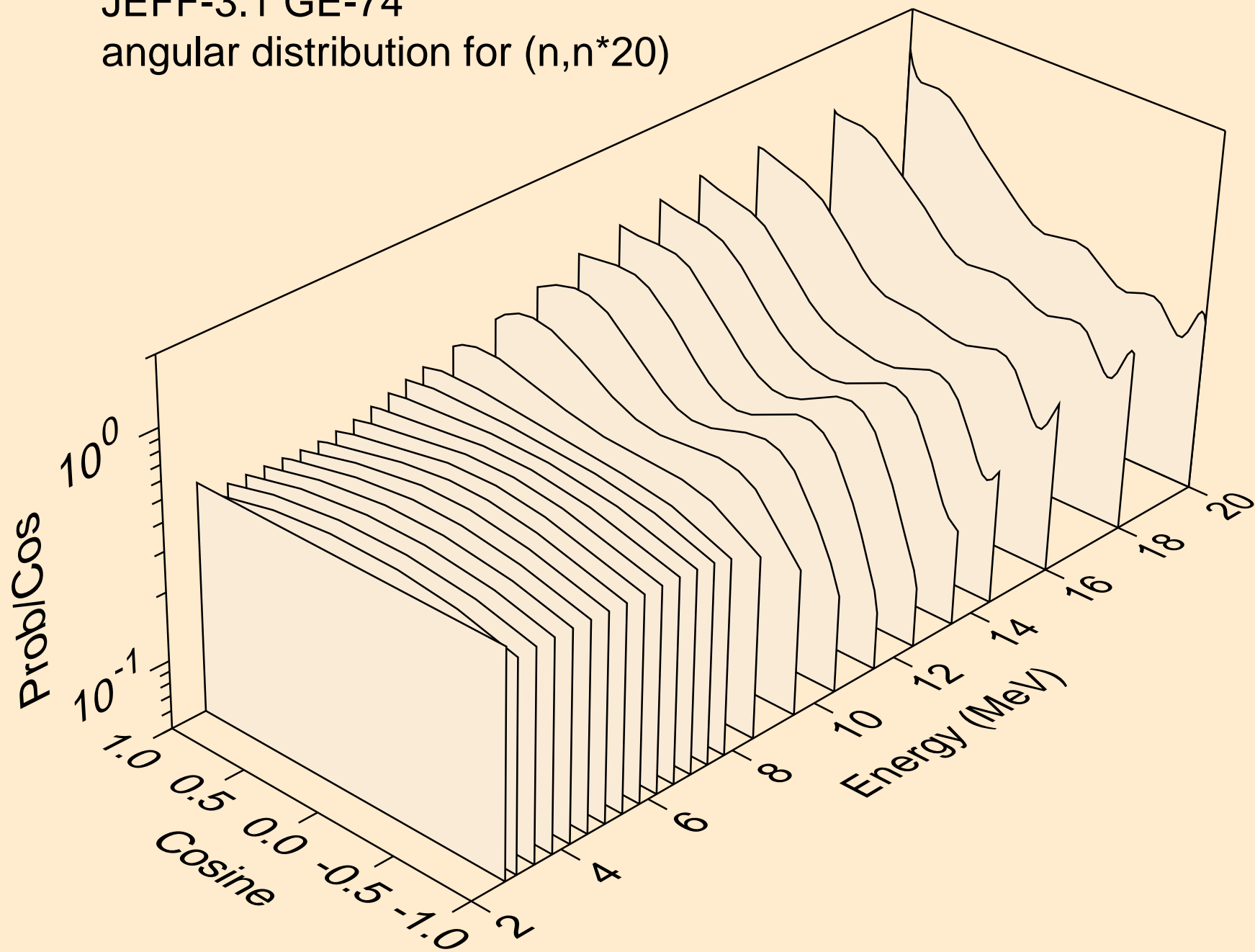
JEFF-3.1 GE-74  
angular distribution for (n,n\*18)



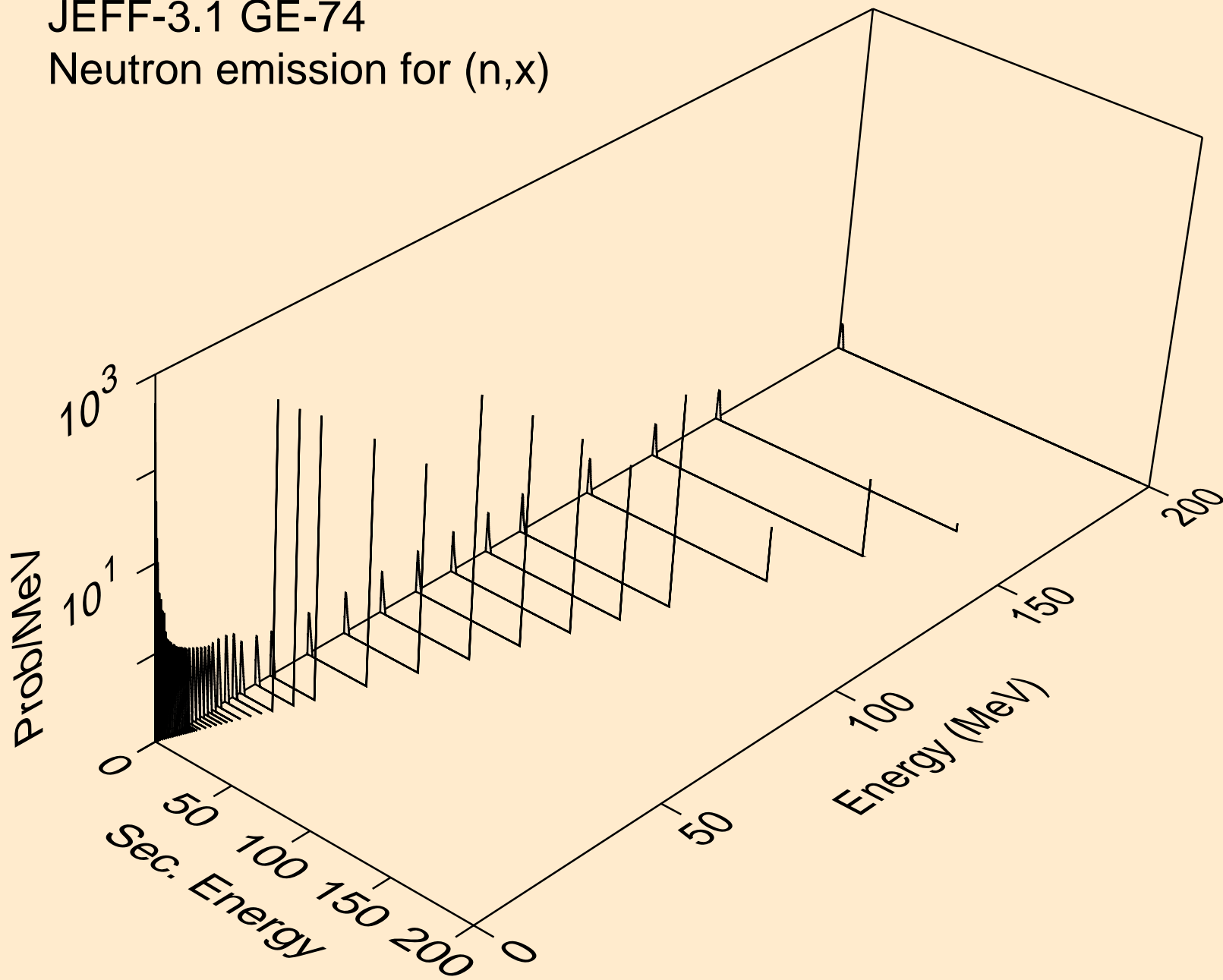
JEFF-3.1 GE-74  
angular distribution for (n,n\*19)



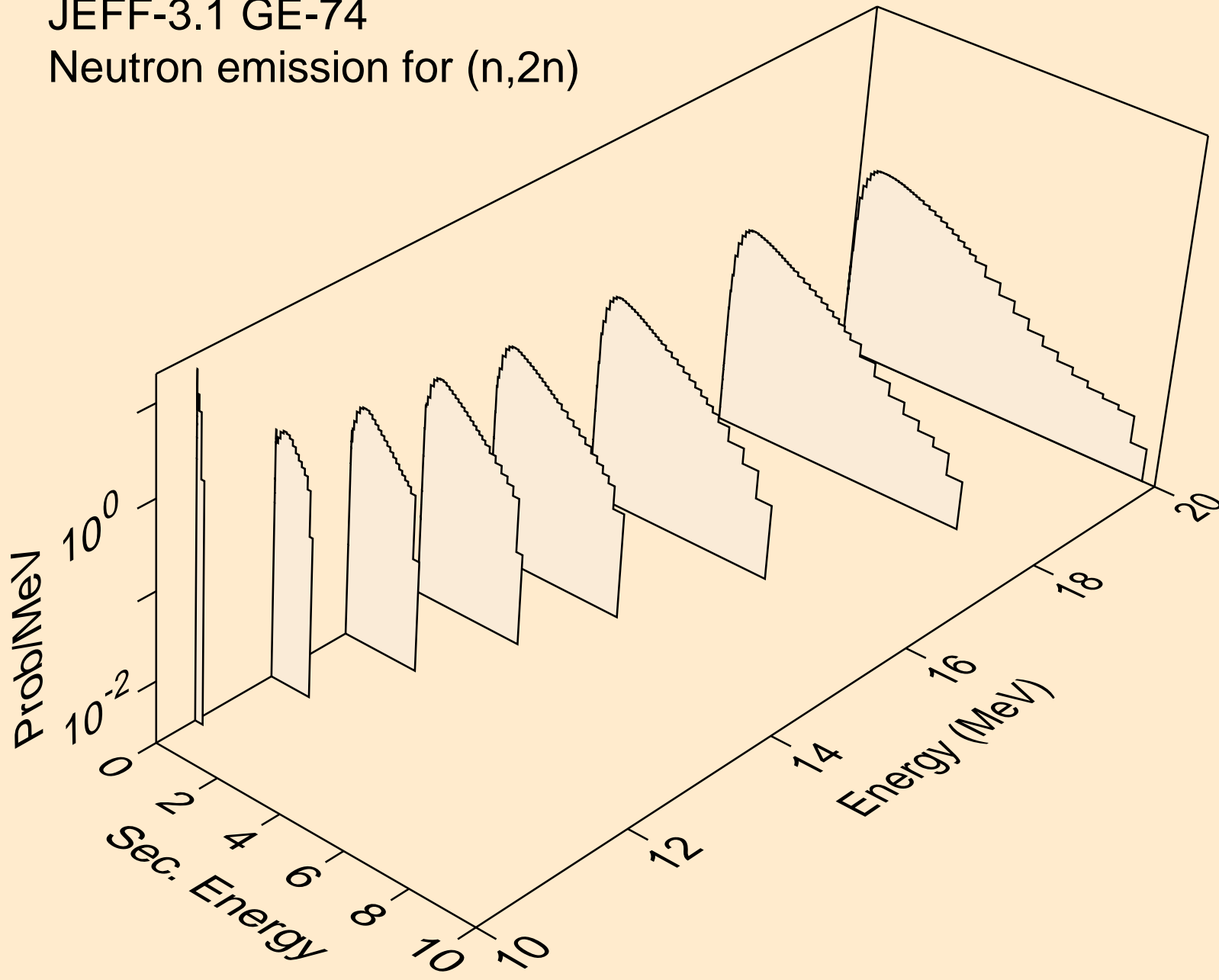
JEFF-3.1 GE-74  
angular distribution for (n,n\*20)



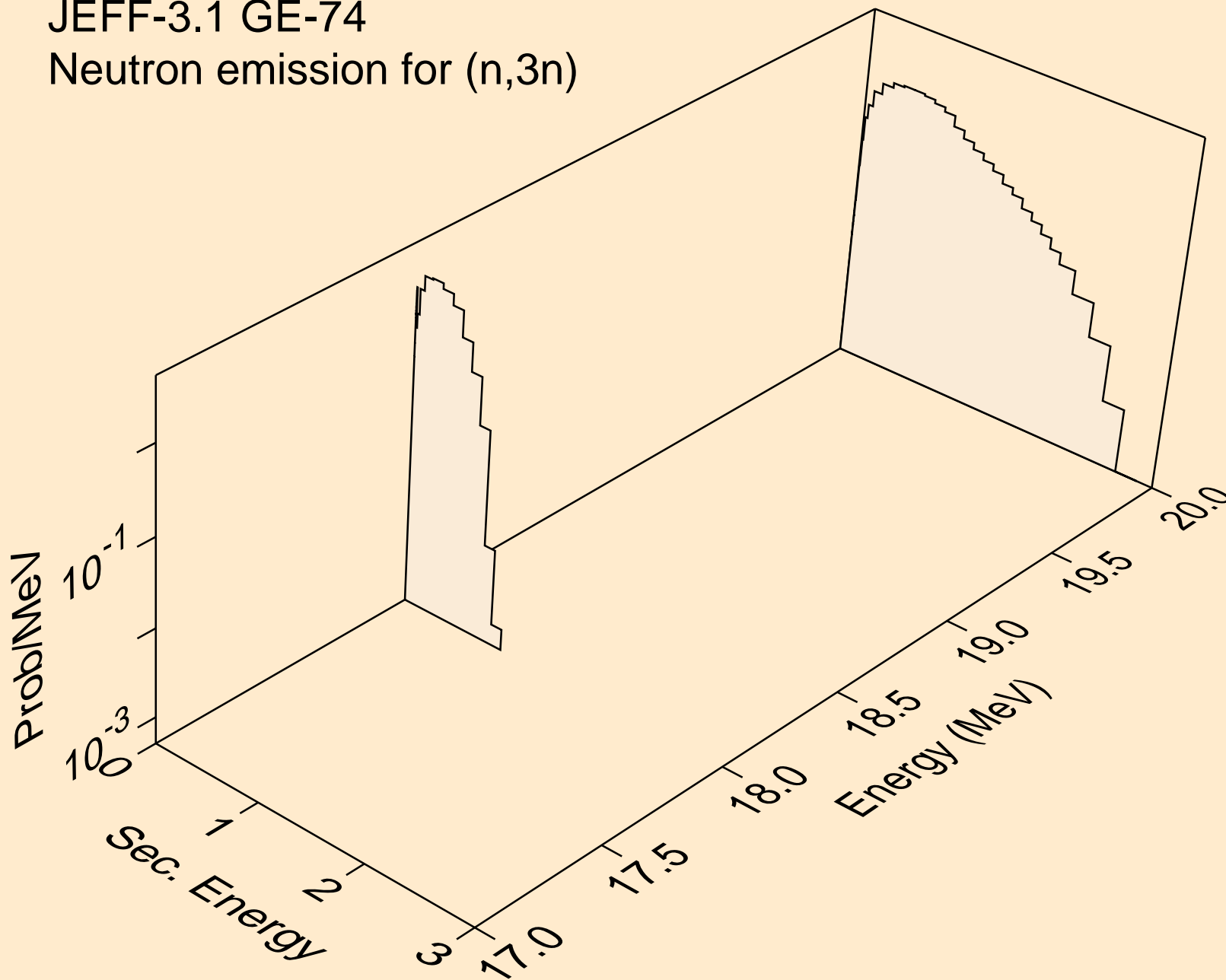
JEFF-3.1 GE-74  
Neutron emission for (n,x)



JEFF-3.1 GE-74  
Neutron emission for (n,2n)

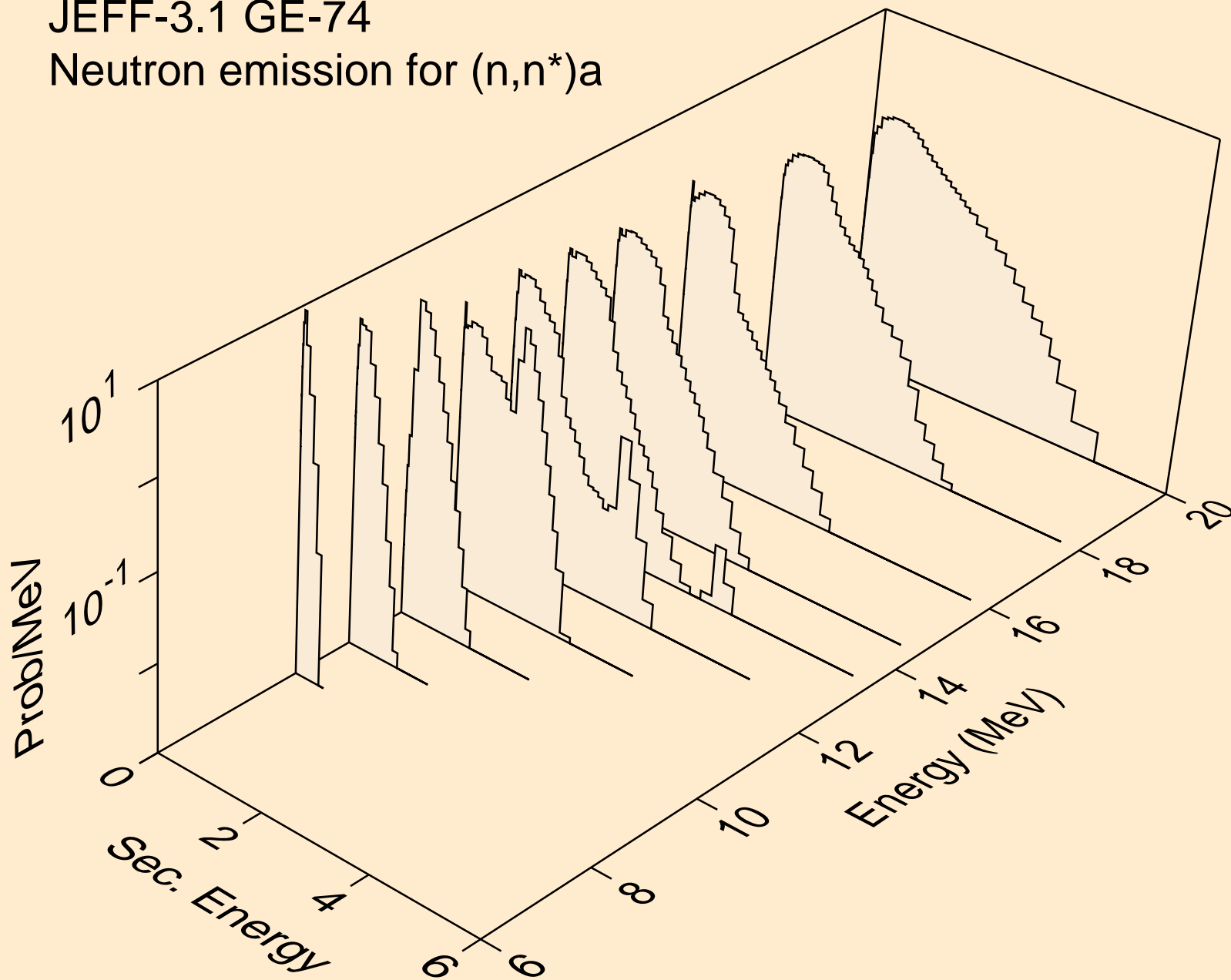


JEFF-3.1 GE-74  
Neutron emission for (n,3n)

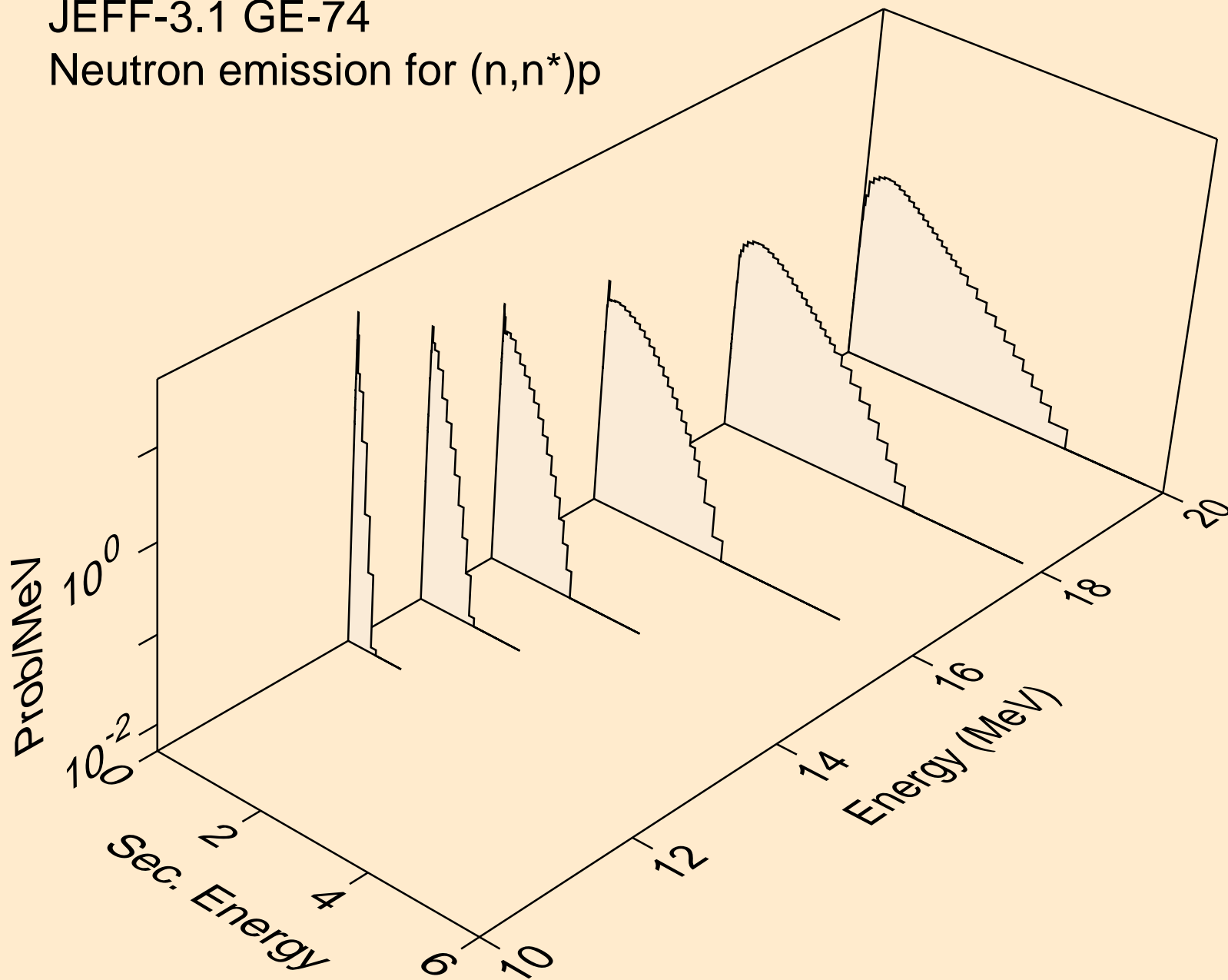




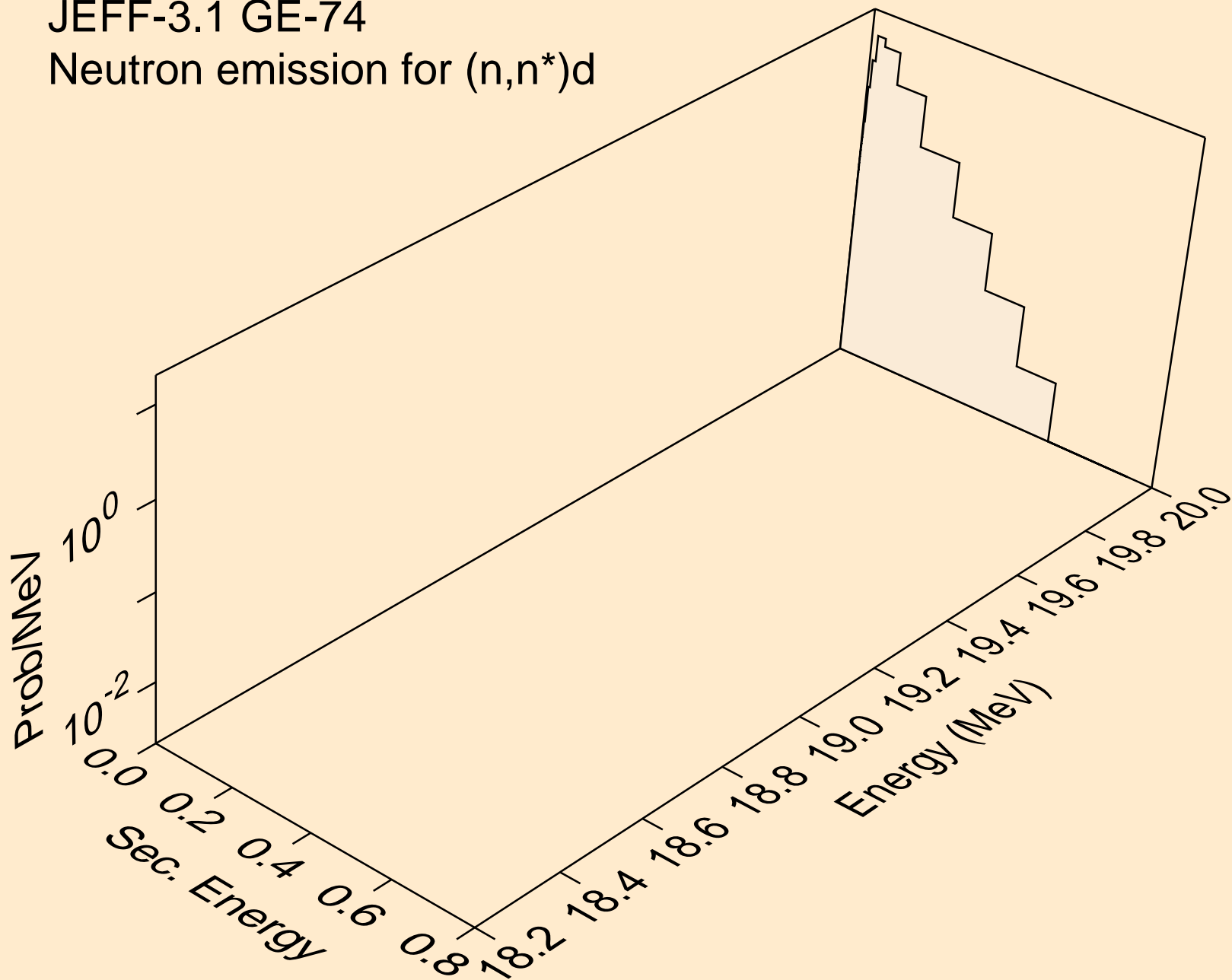
JEFF-3.1 GE-74  
Neutron emission for (n,n\*)a



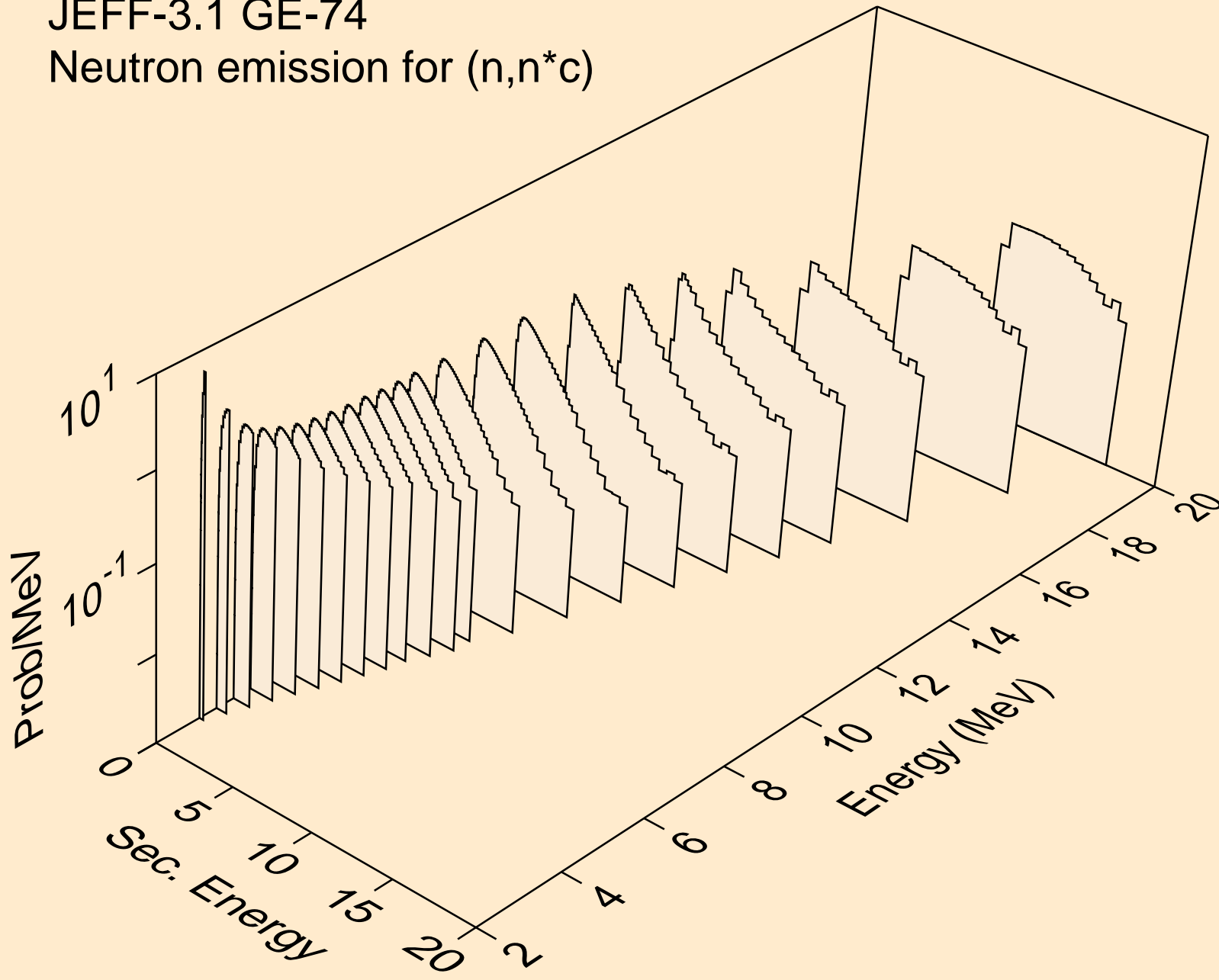
JEFF-3.1 GE-74  
Neutron emission for (n,n\*)p



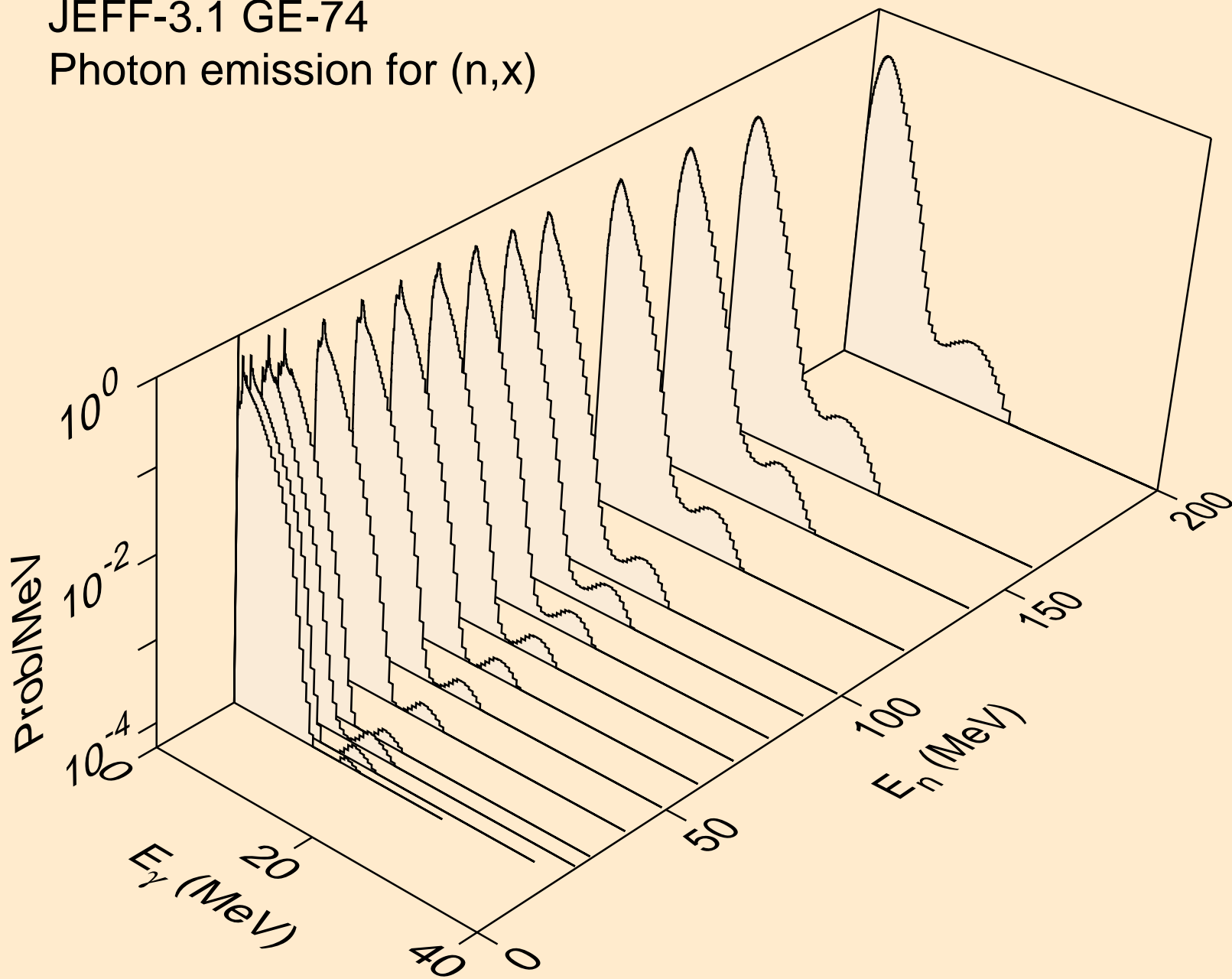
JEFF-3.1 GE-74  
Neutron emission for (n,n\*)d



JEFF-3.1 GE-74  
Neutron emission for (n,n\*c)

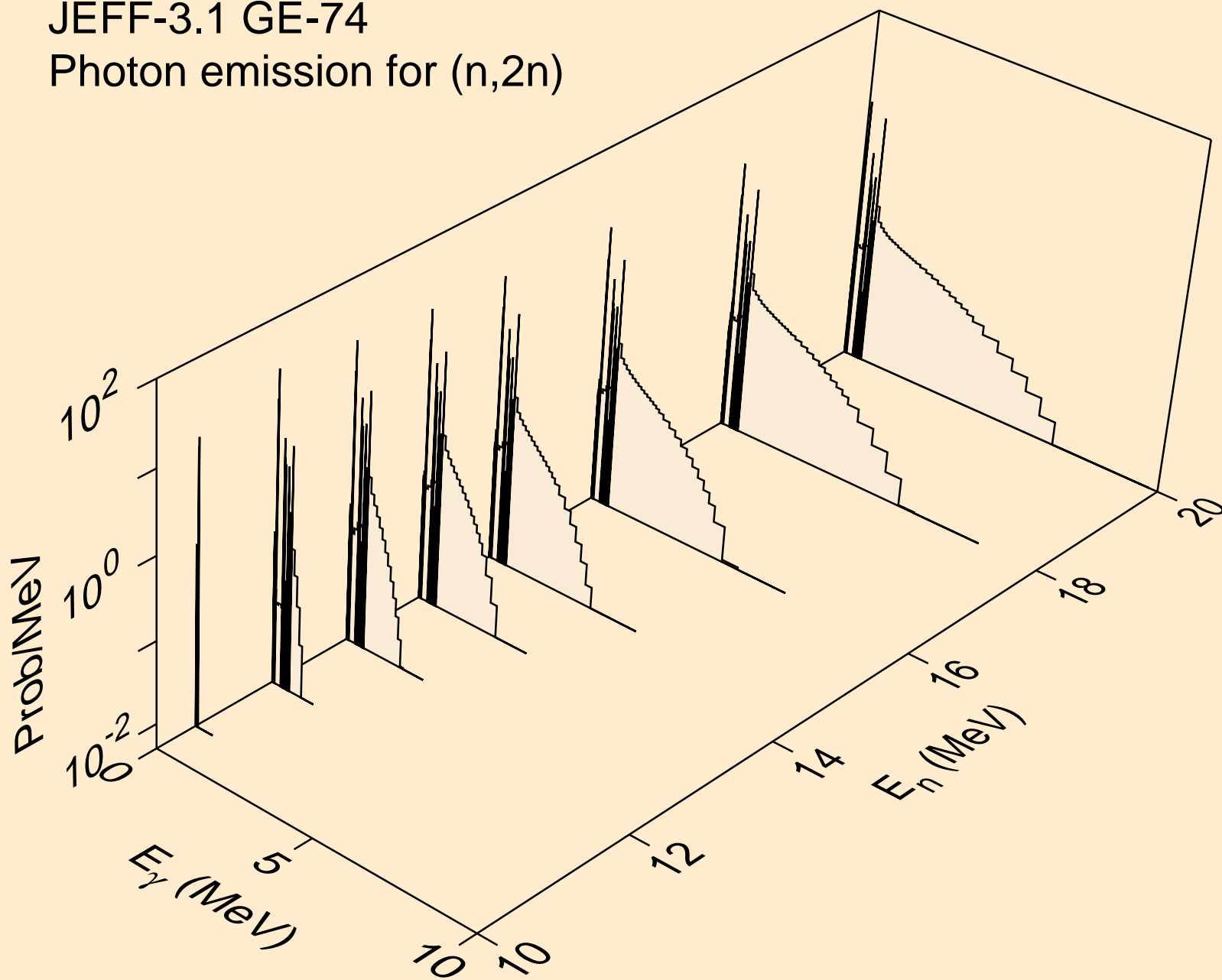


JEFF-3.1 GE-74  
Photon emission for (n,x)

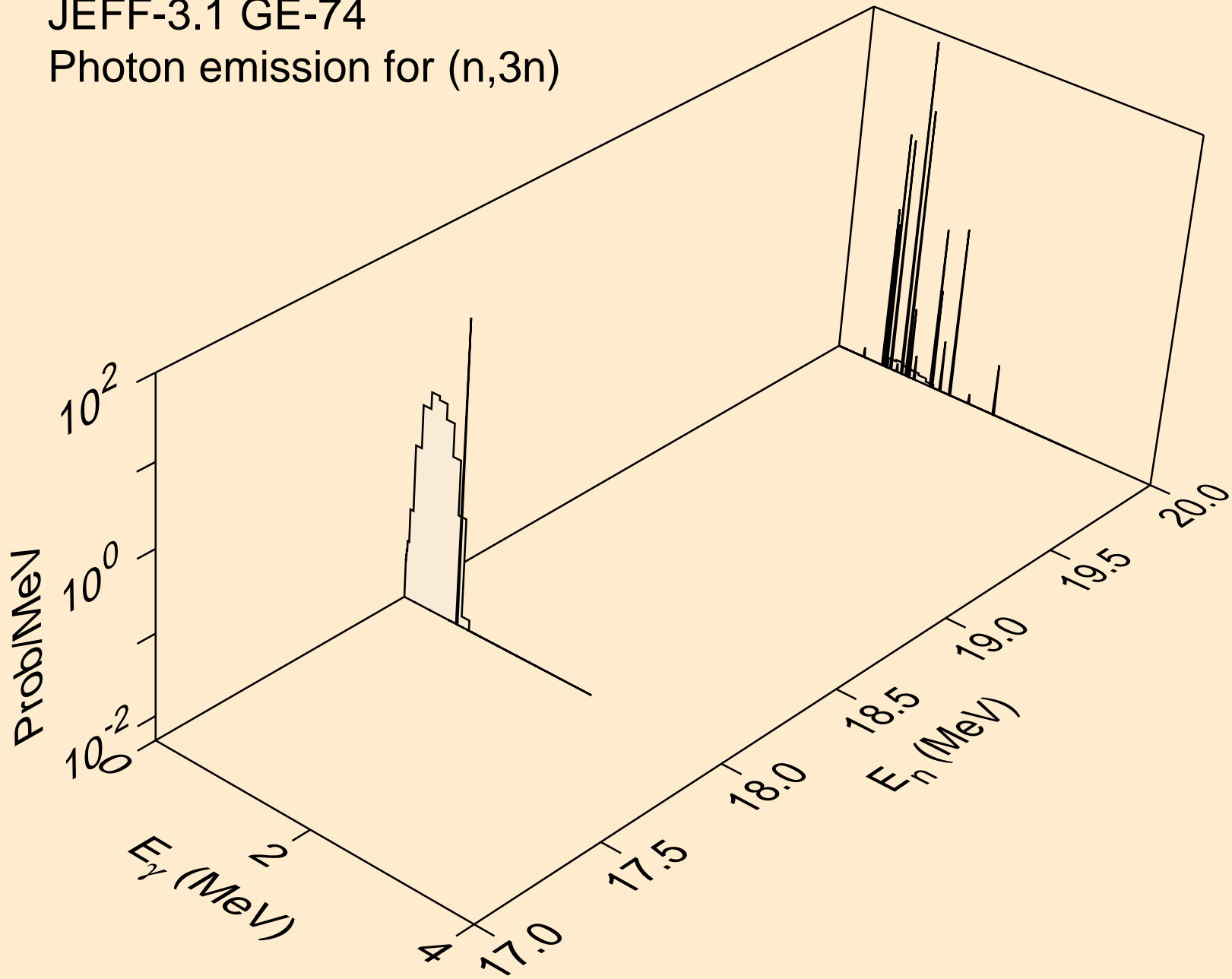


JEFF-3.1 GE-74

Photon emission for (n,2n)

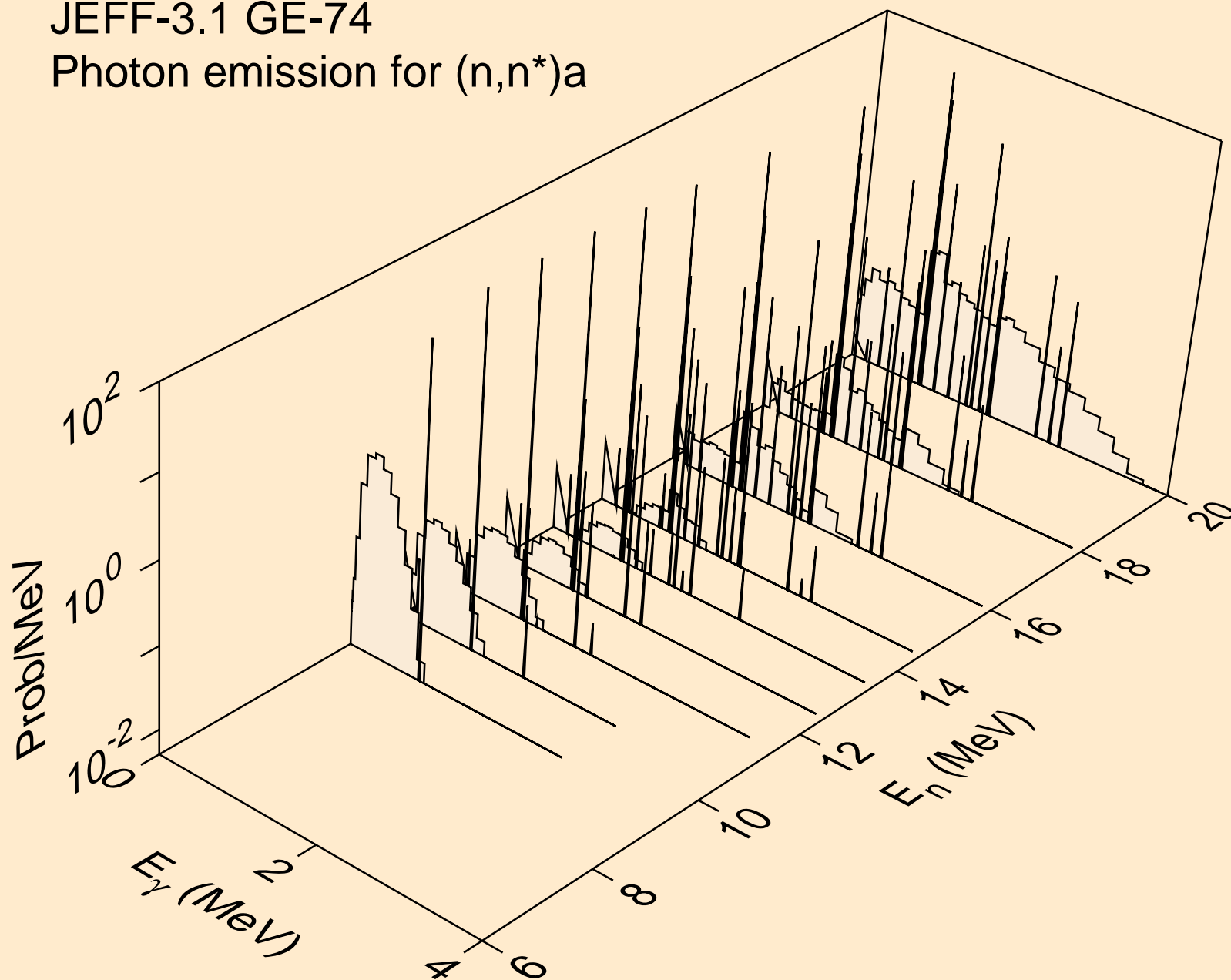


JEFF-3.1 GE-74  
Photon emission for (n,3n)



JEFF-3.1 GE-74

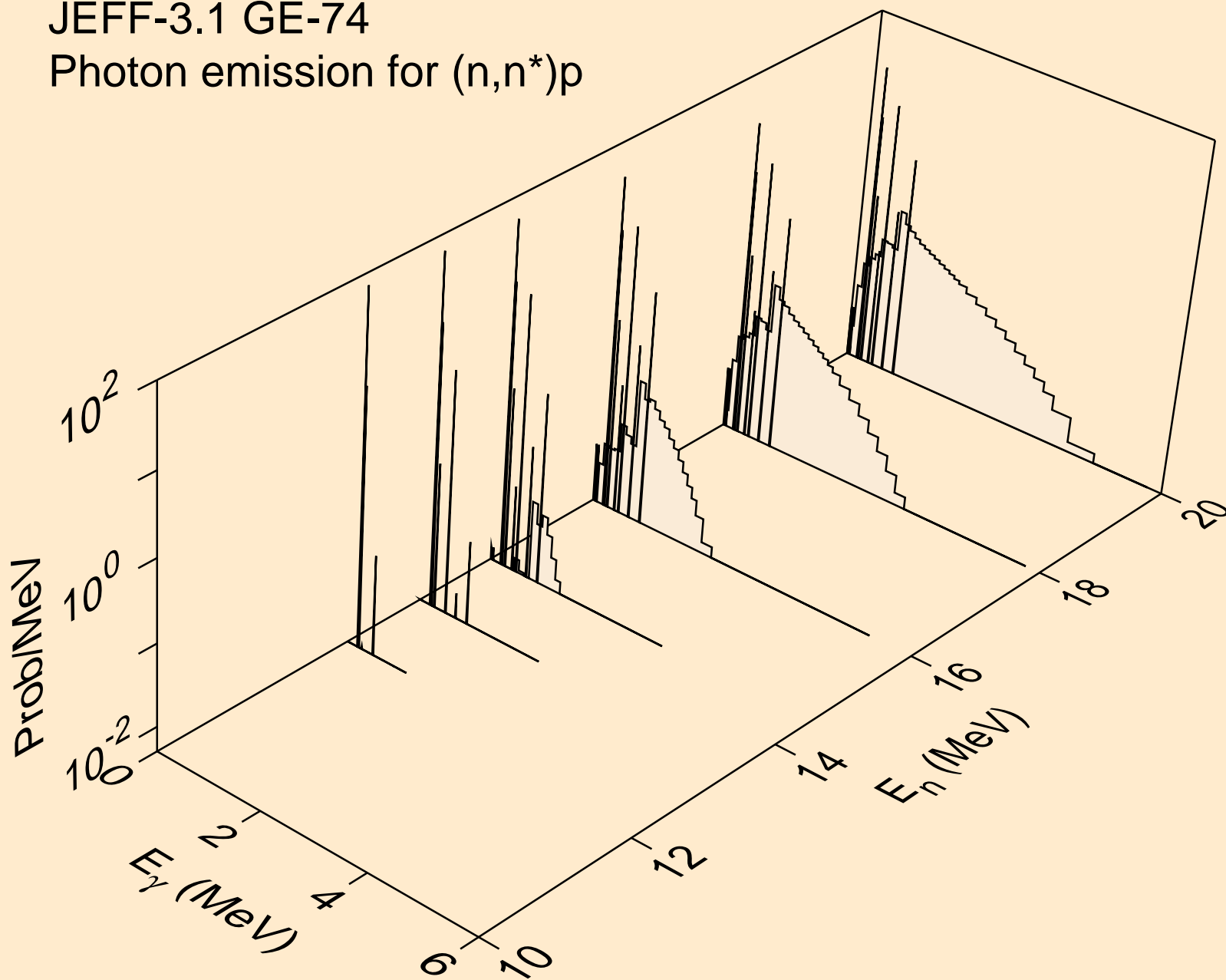
Photon emission for (n,n\*)a





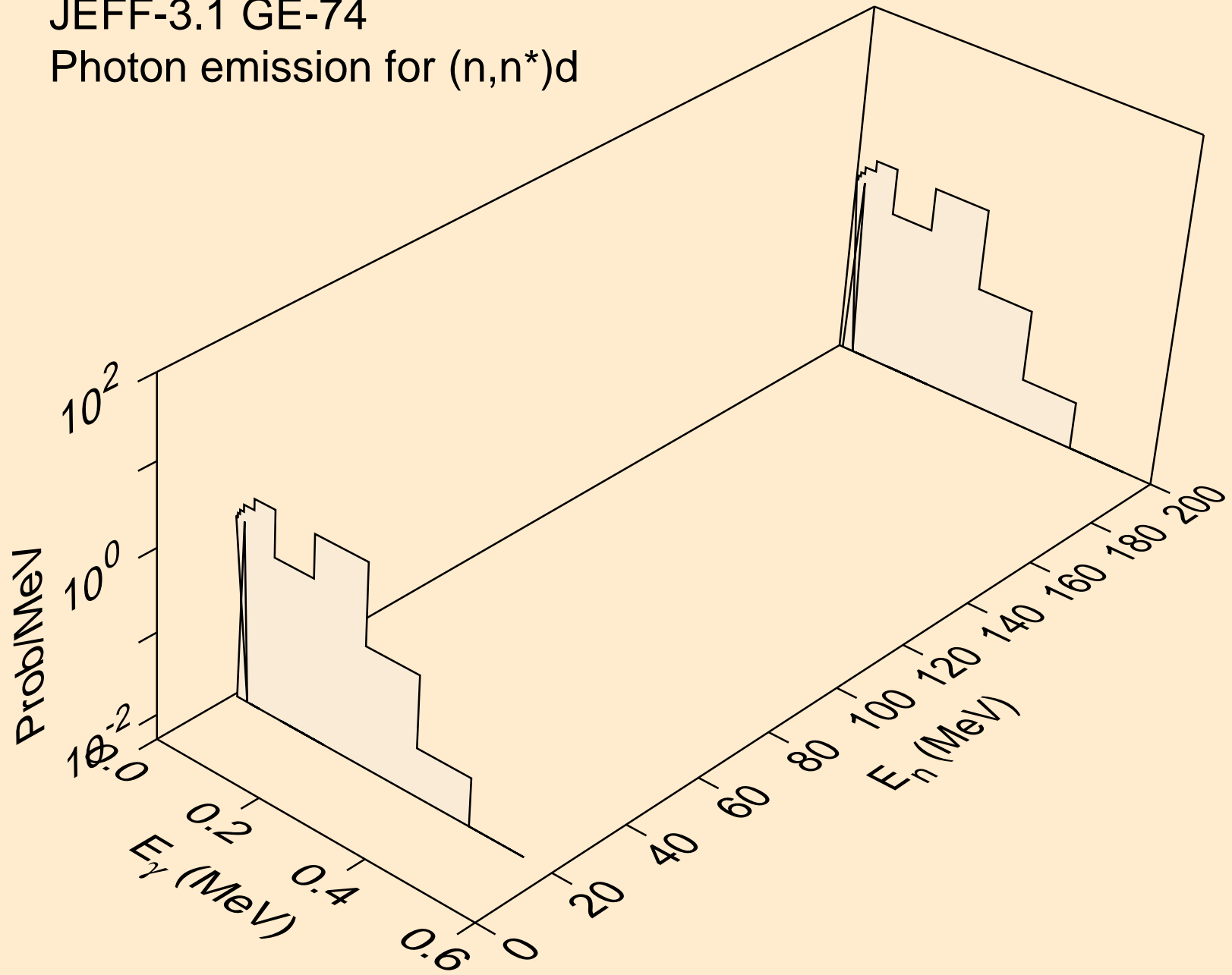
JEFF-3.1 GE-74

Photon emission for (n,n\*)p

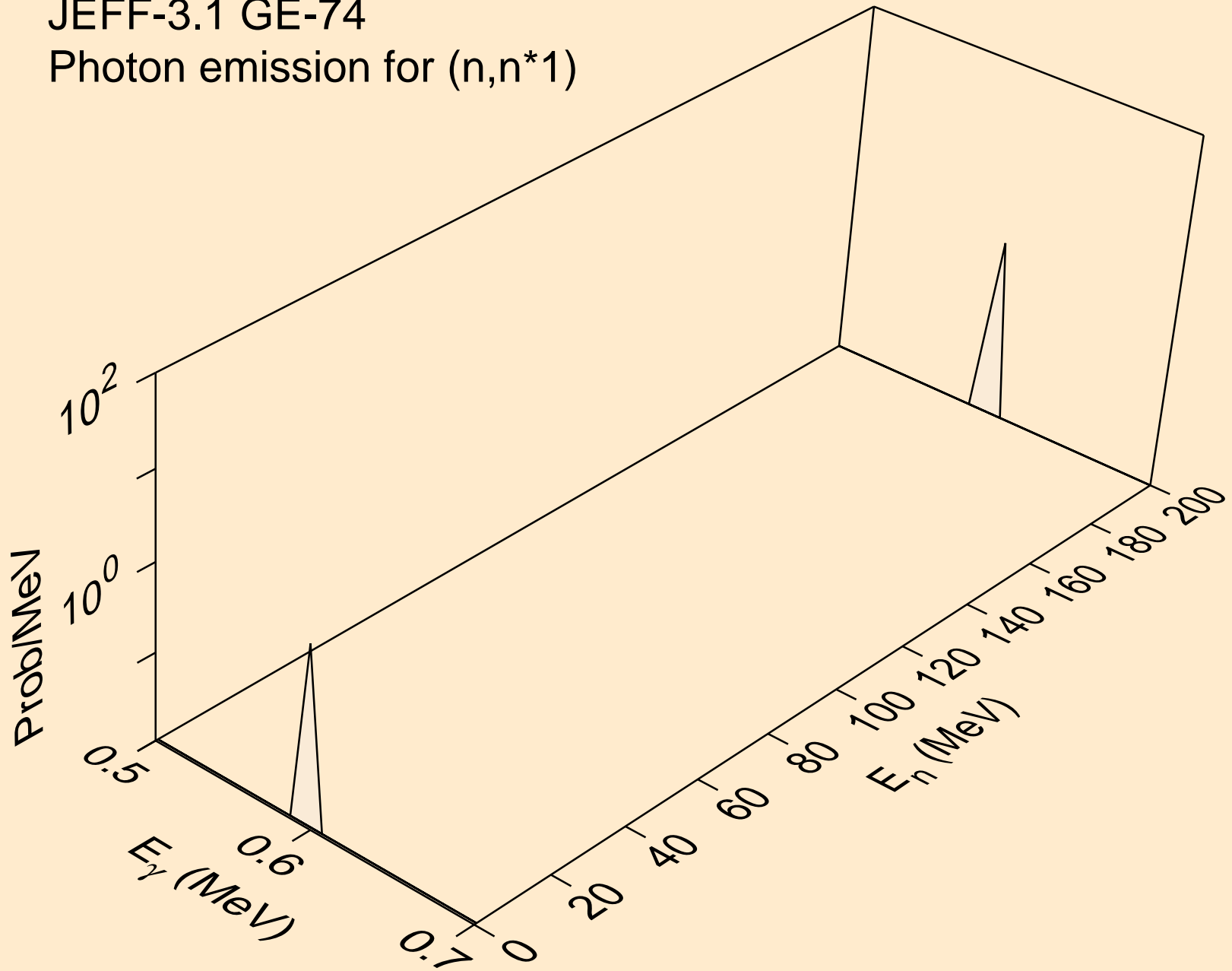


JEFF-3.1 GE-74

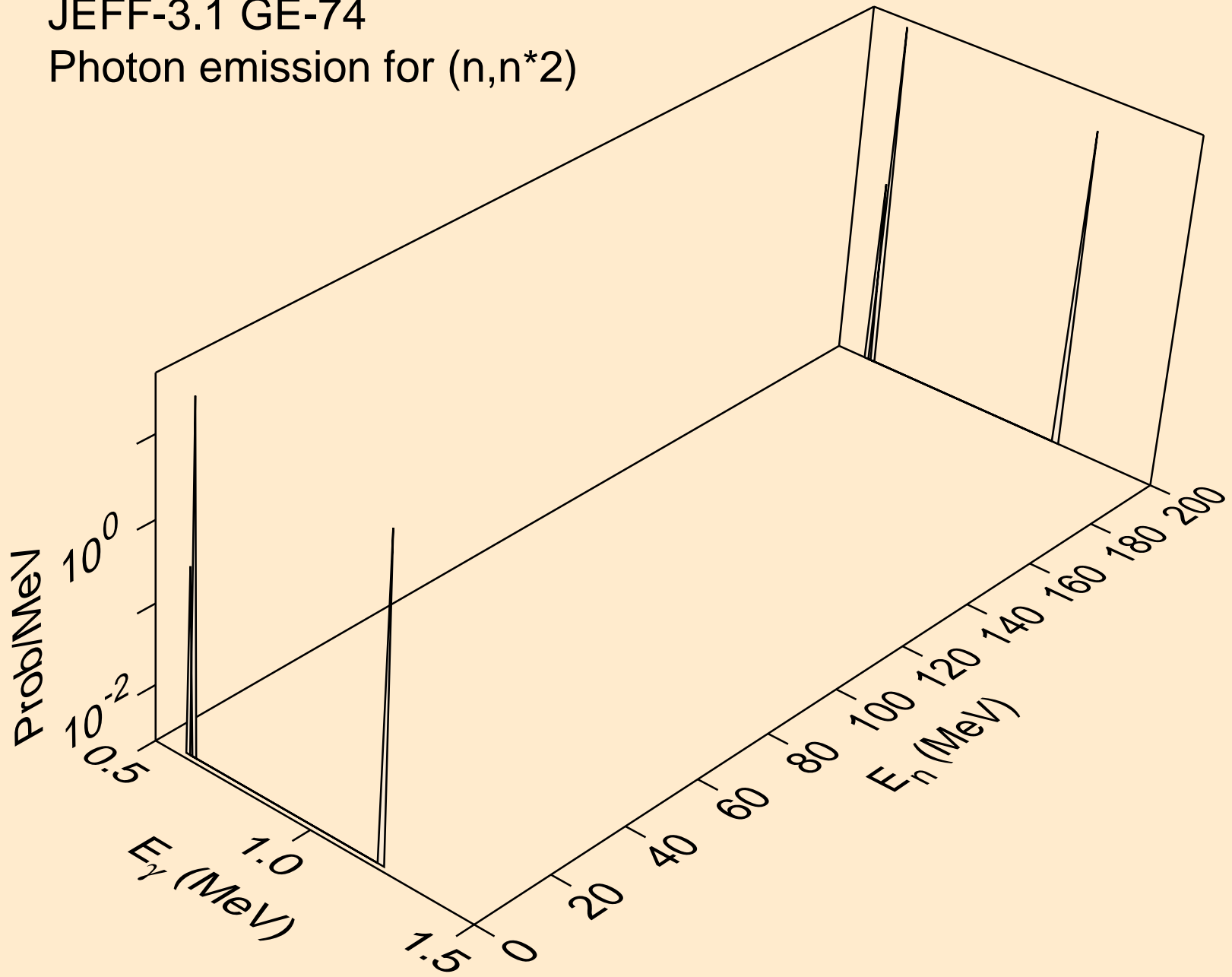
Photon emission for (n,n\*)d



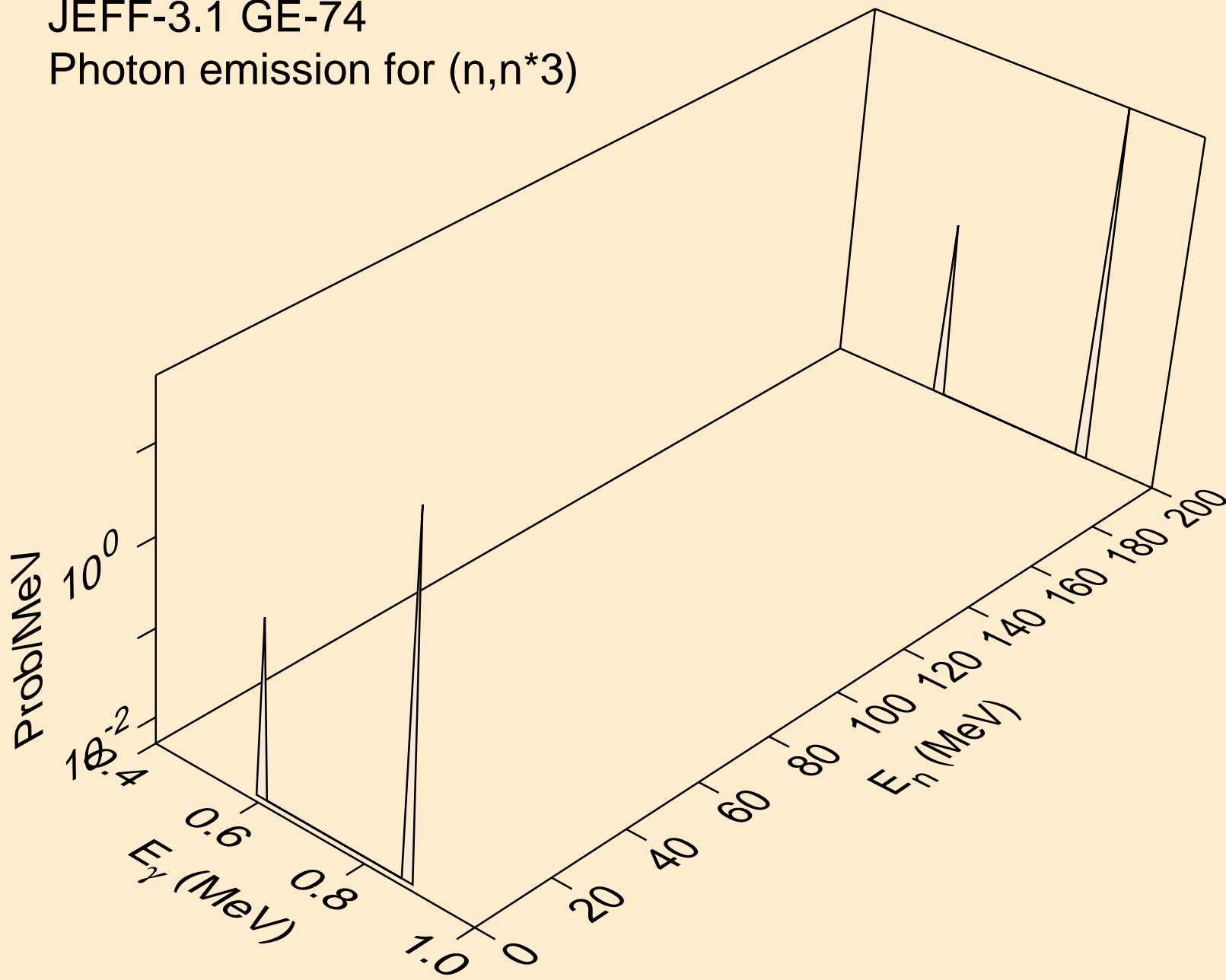
JEFF-3.1 GE-74  
Photon emission for (n,n\*1)



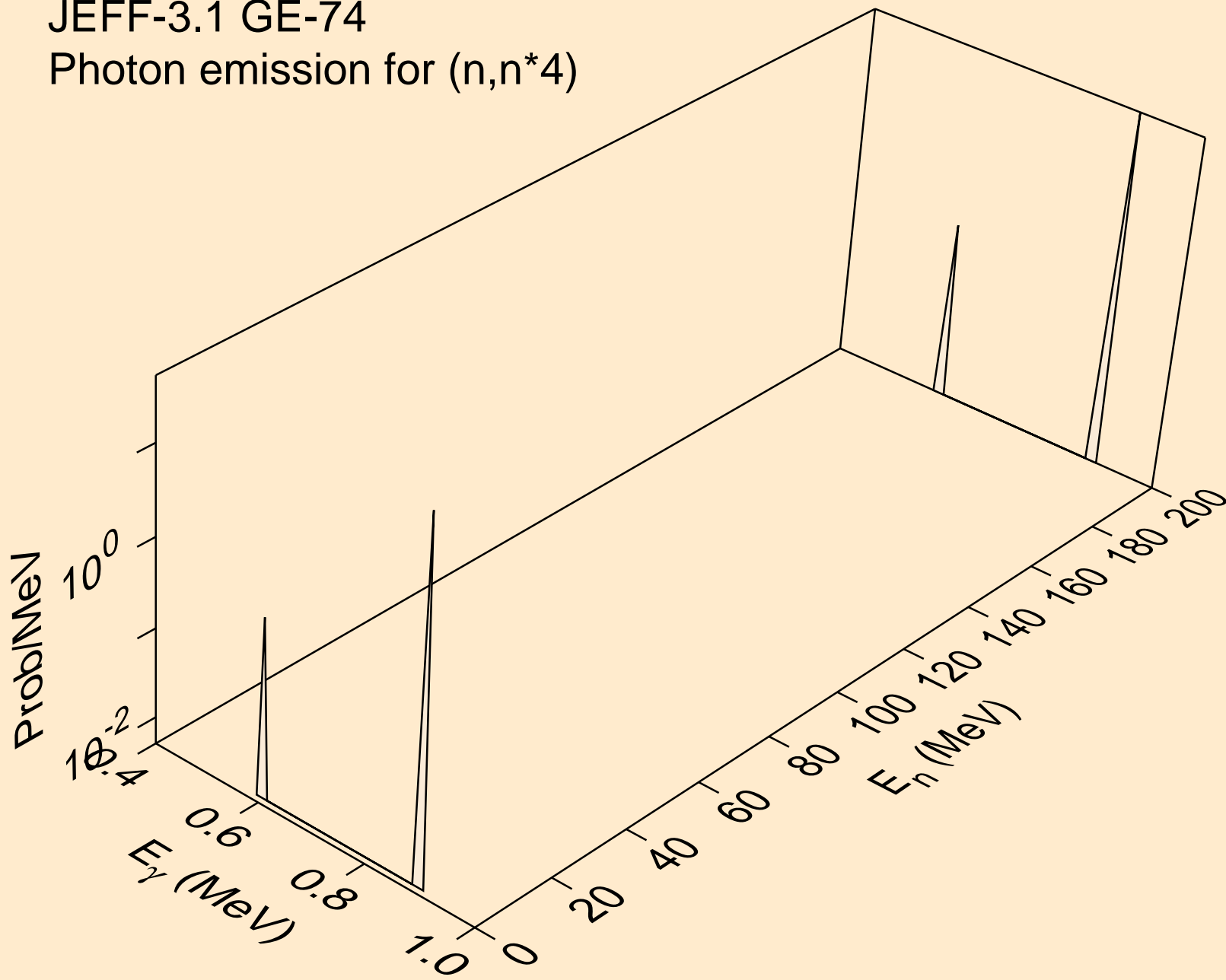
JEFF-3.1 GE-74  
Photon emission for (n,n\*2)



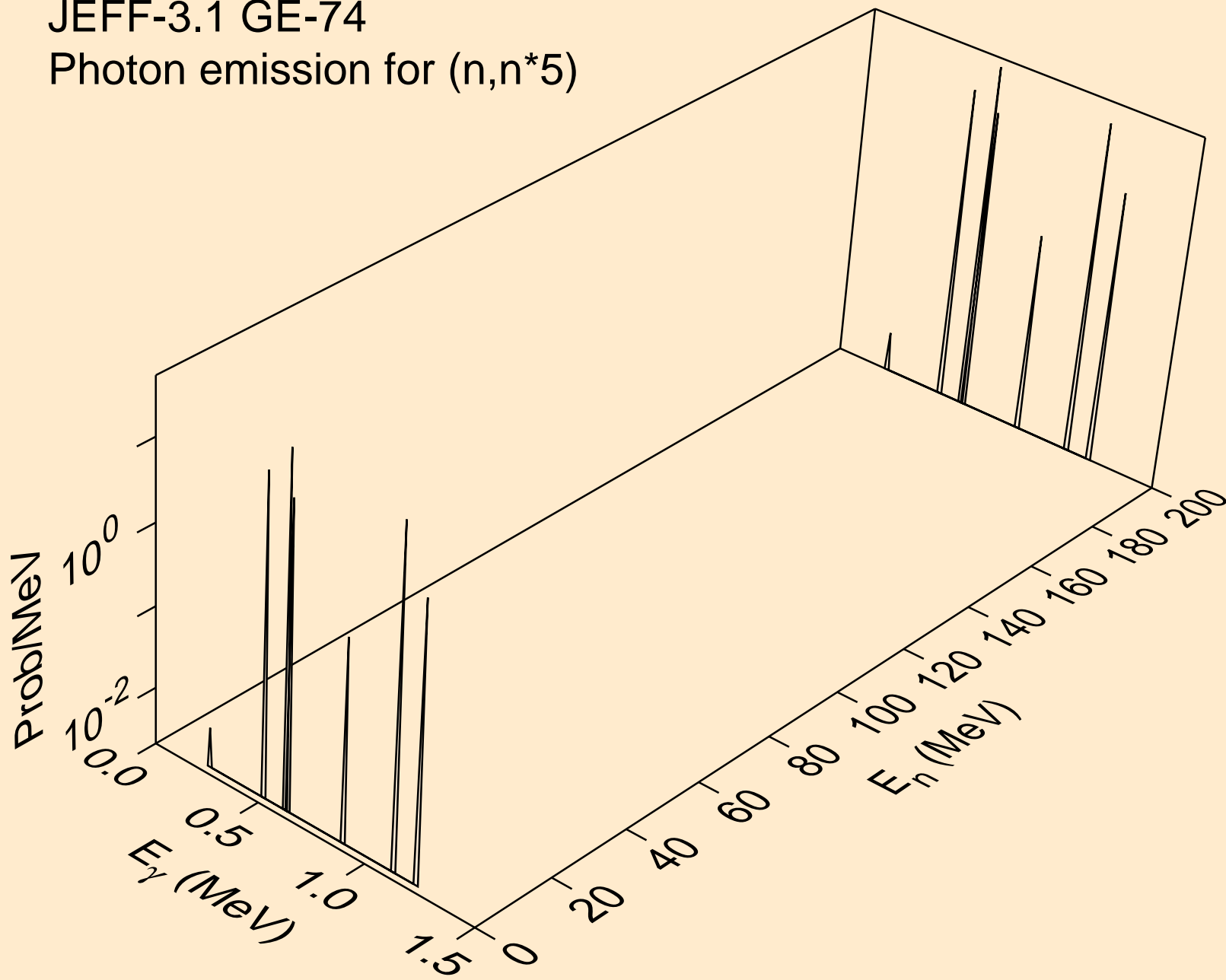
JEFF-3.1 GE-74  
Photon emission for (n,n\*3)



JEFF-3.1 GE-74  
Photon emission for (n,n\*4)

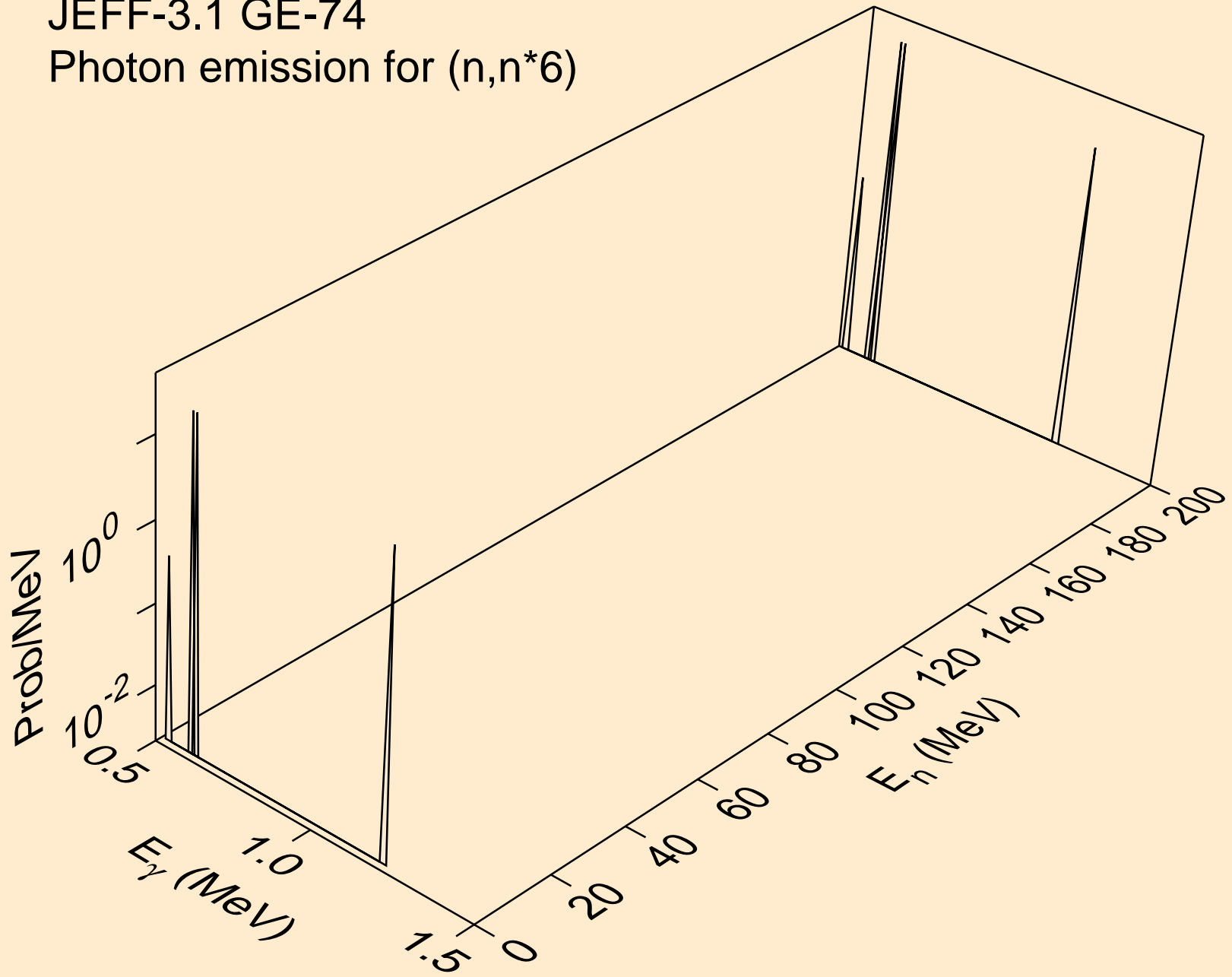


JEFF-3.1 GE-74  
Photon emission for (n,n\*5)



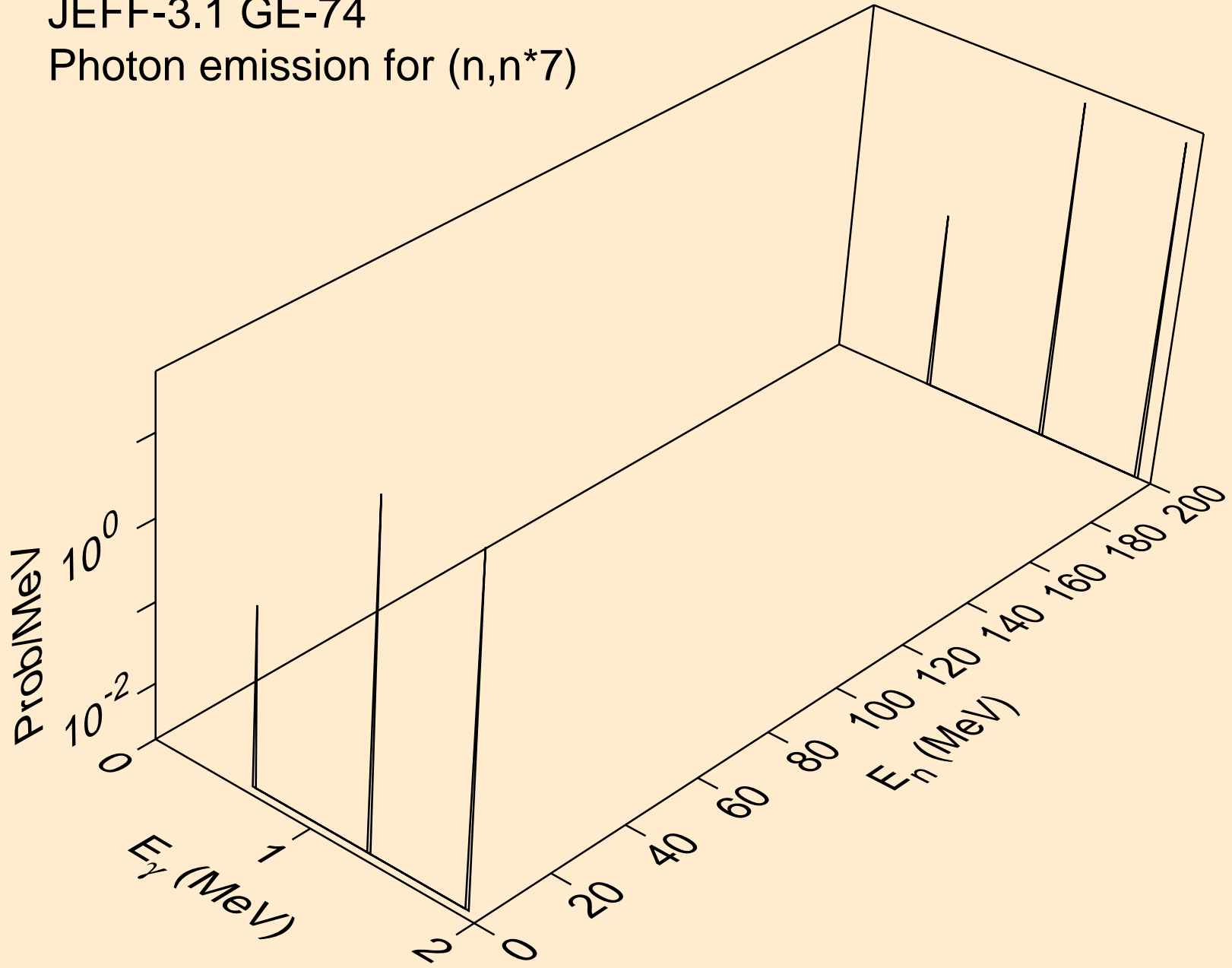
JEFF-3.1 GE-74

Photon emission for (n,n\*6)

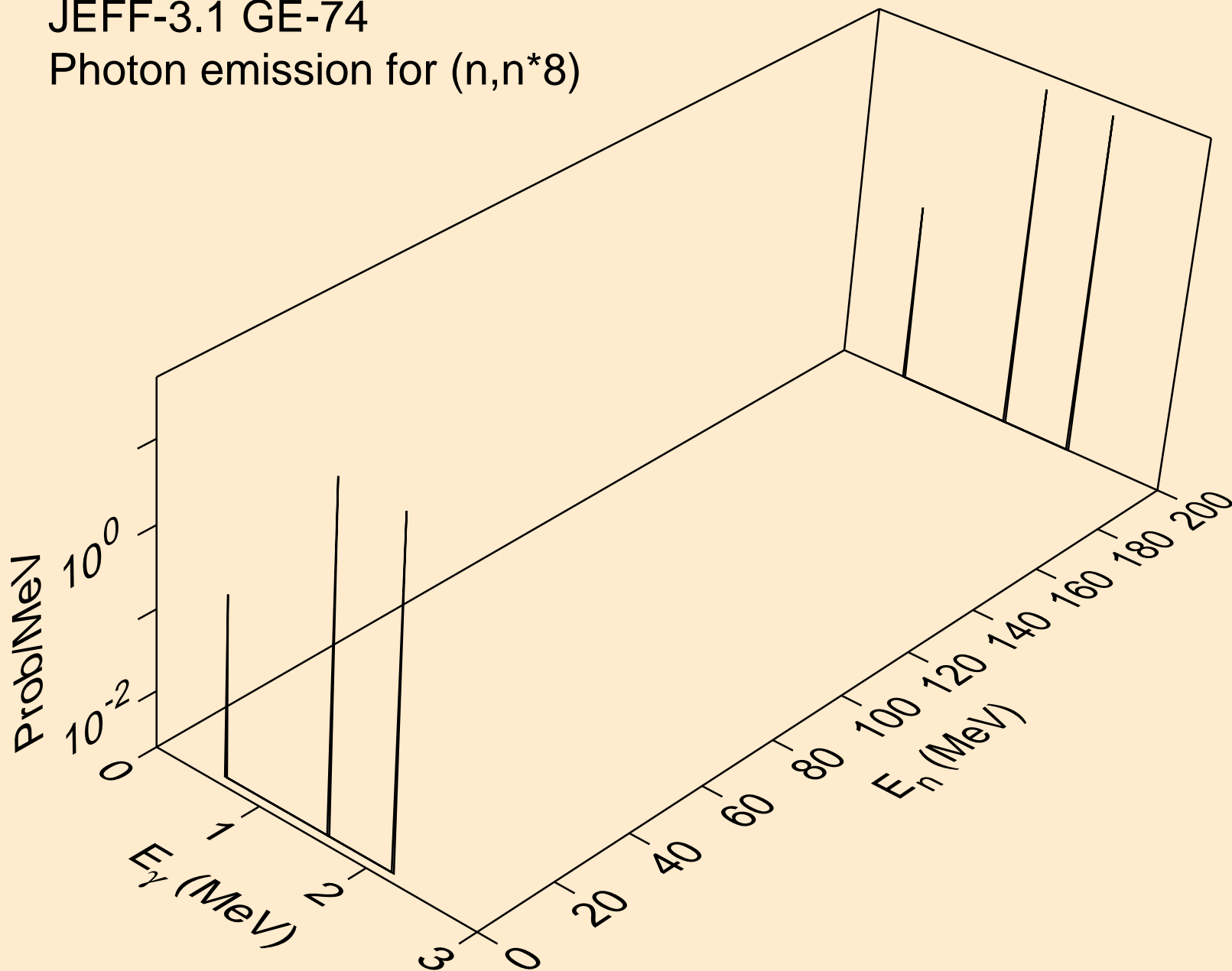




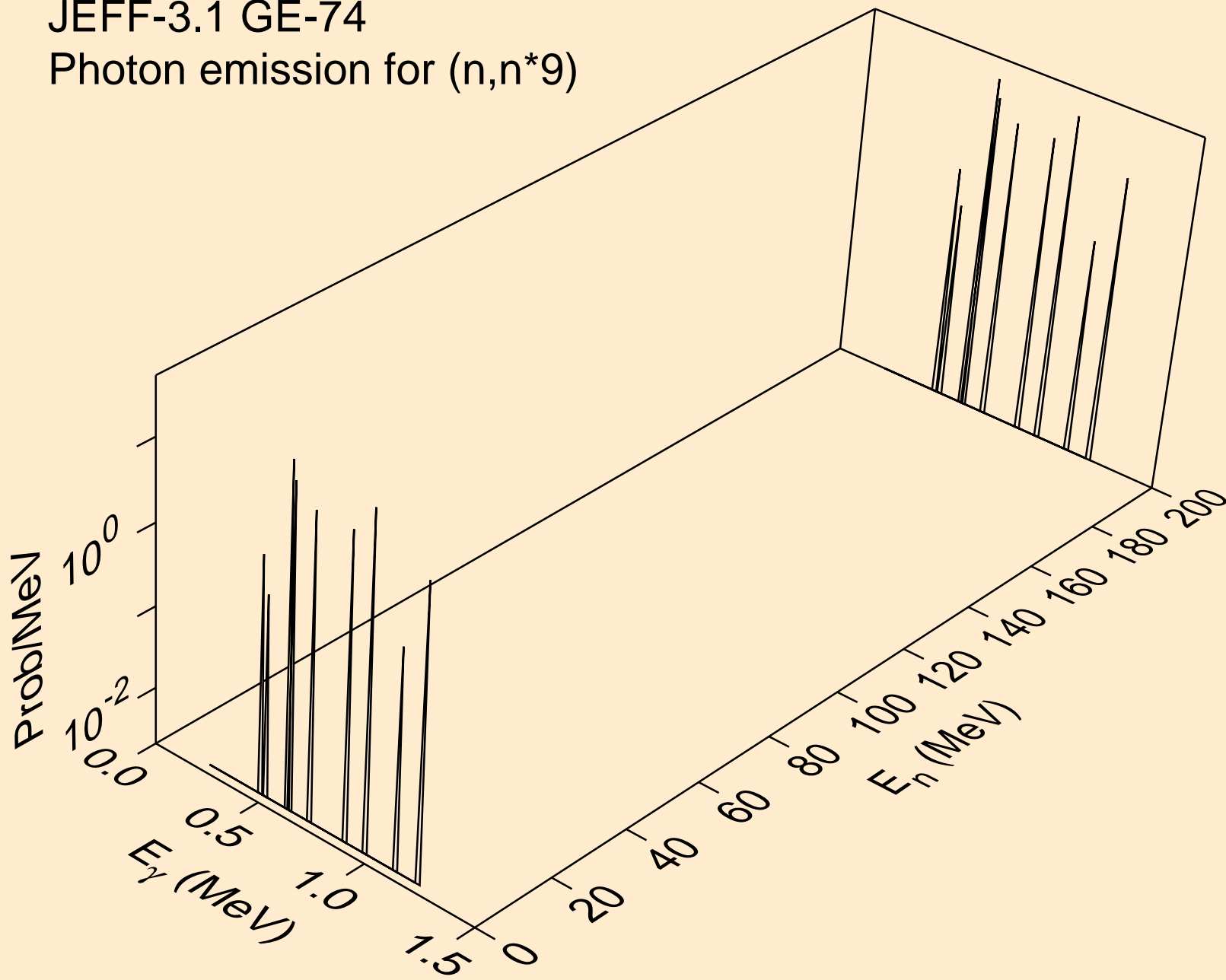
JEFF-3.1 GE-74  
Photon emission for (n,n\*7)



JEFF-3.1 GE-74  
Photon emission for (n,n\*8)

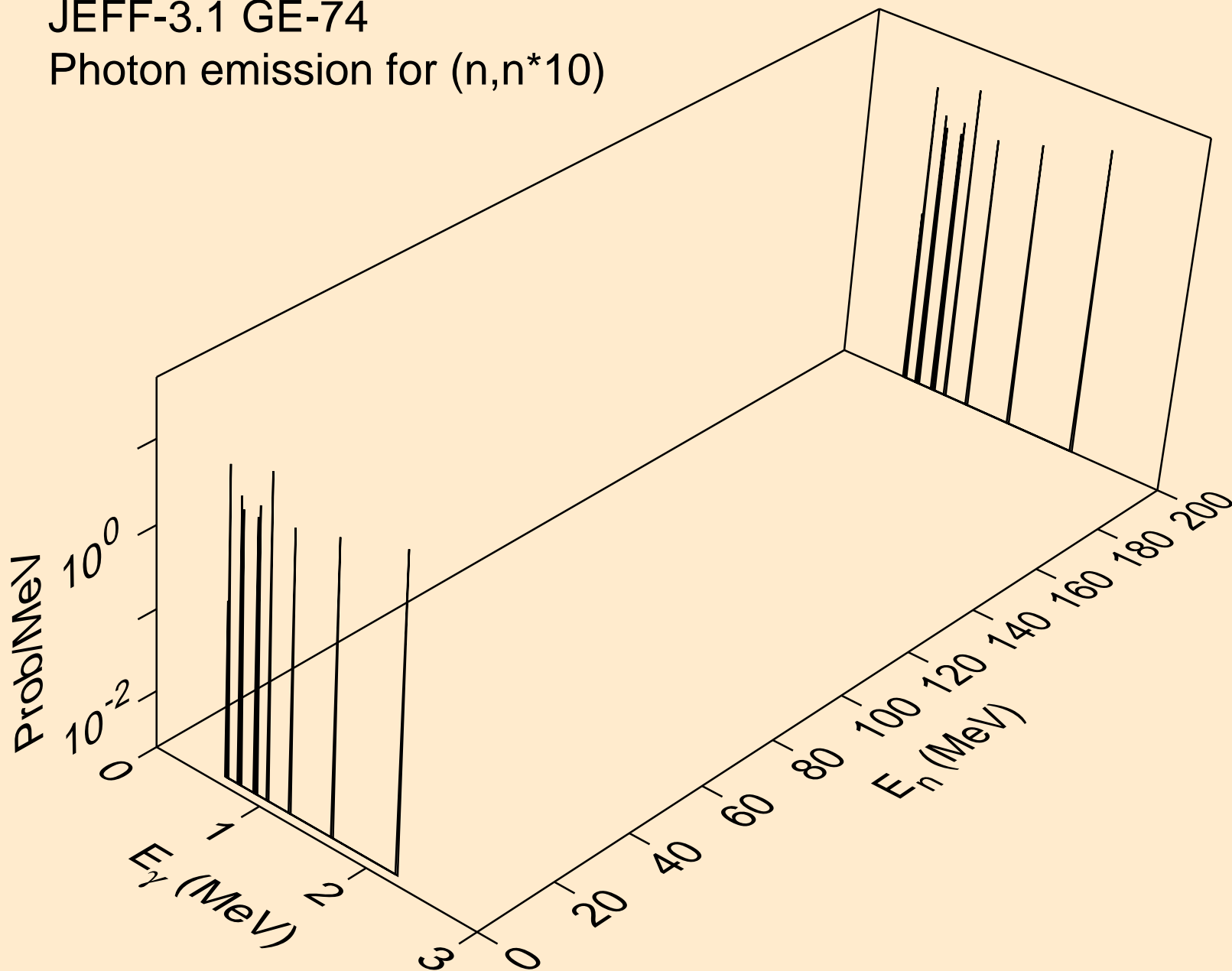


JEFF-3.1 GE-74  
Photon emission for (n,n\*9)



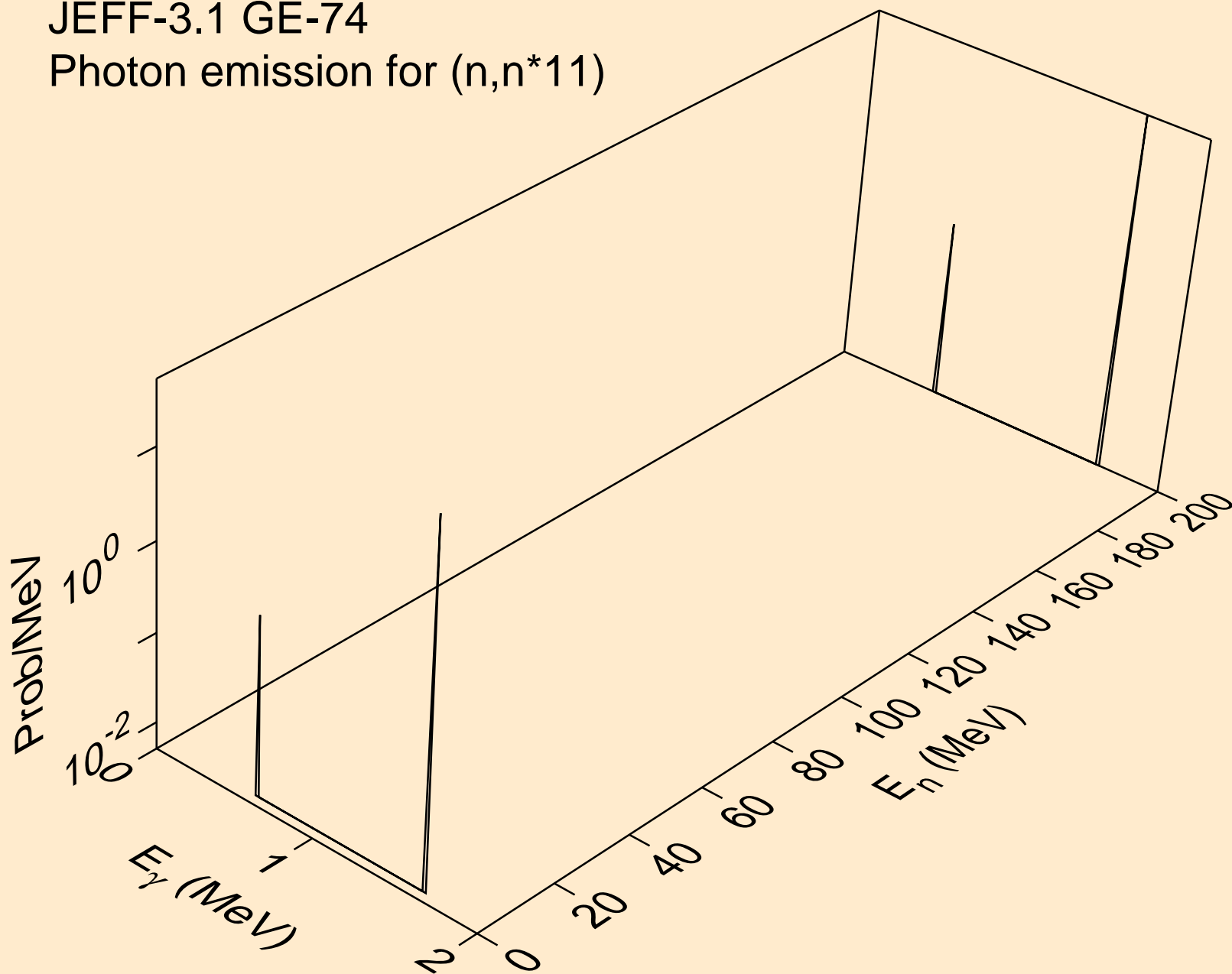
JEFF-3.1 GE-74

Photon emission for (n,n\*10)



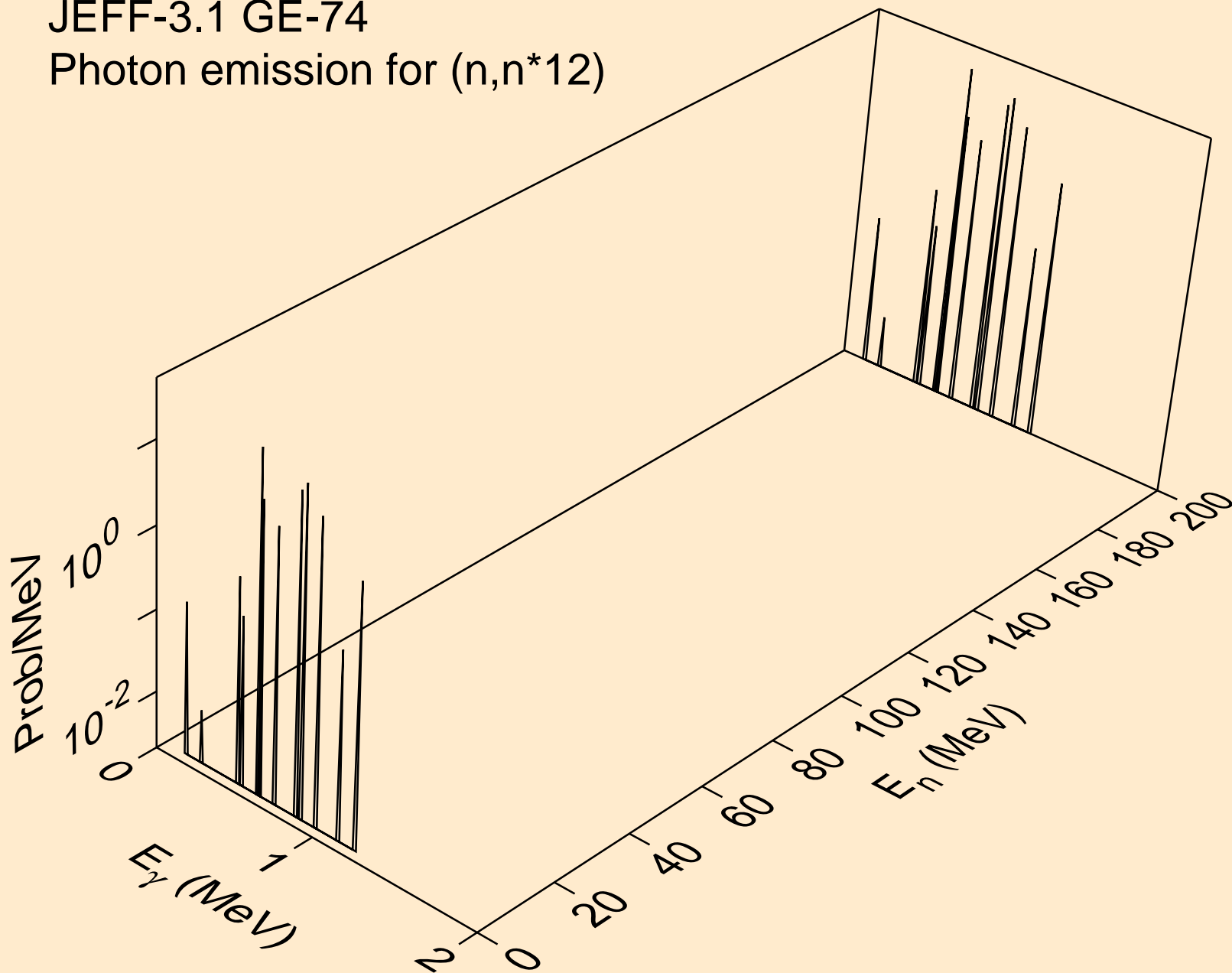
JEFF-3.1 GE-74

Photon emission for (n,n\*11)



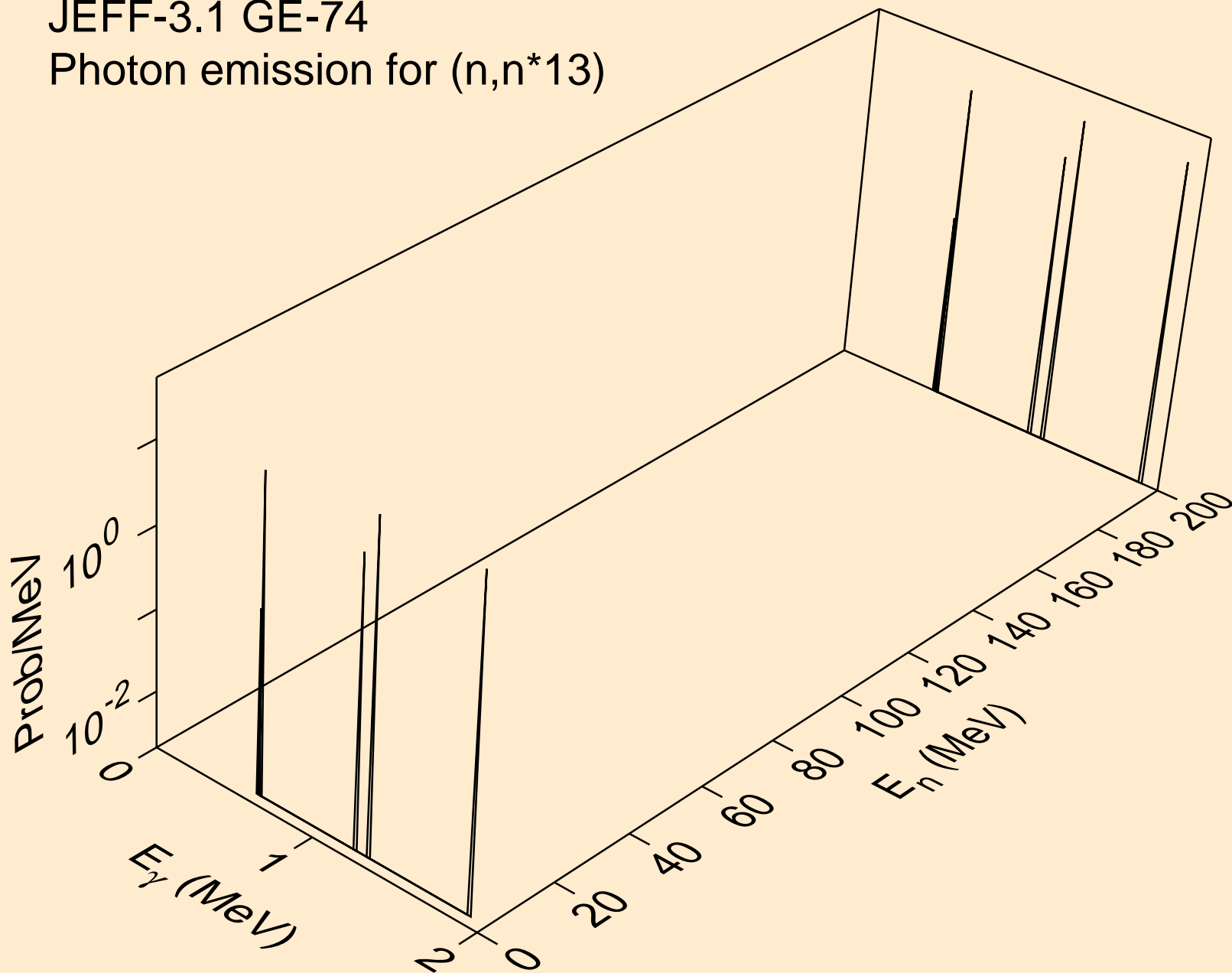
JEFF-3.1 GE-74

Photon emission for (n,n\*12)



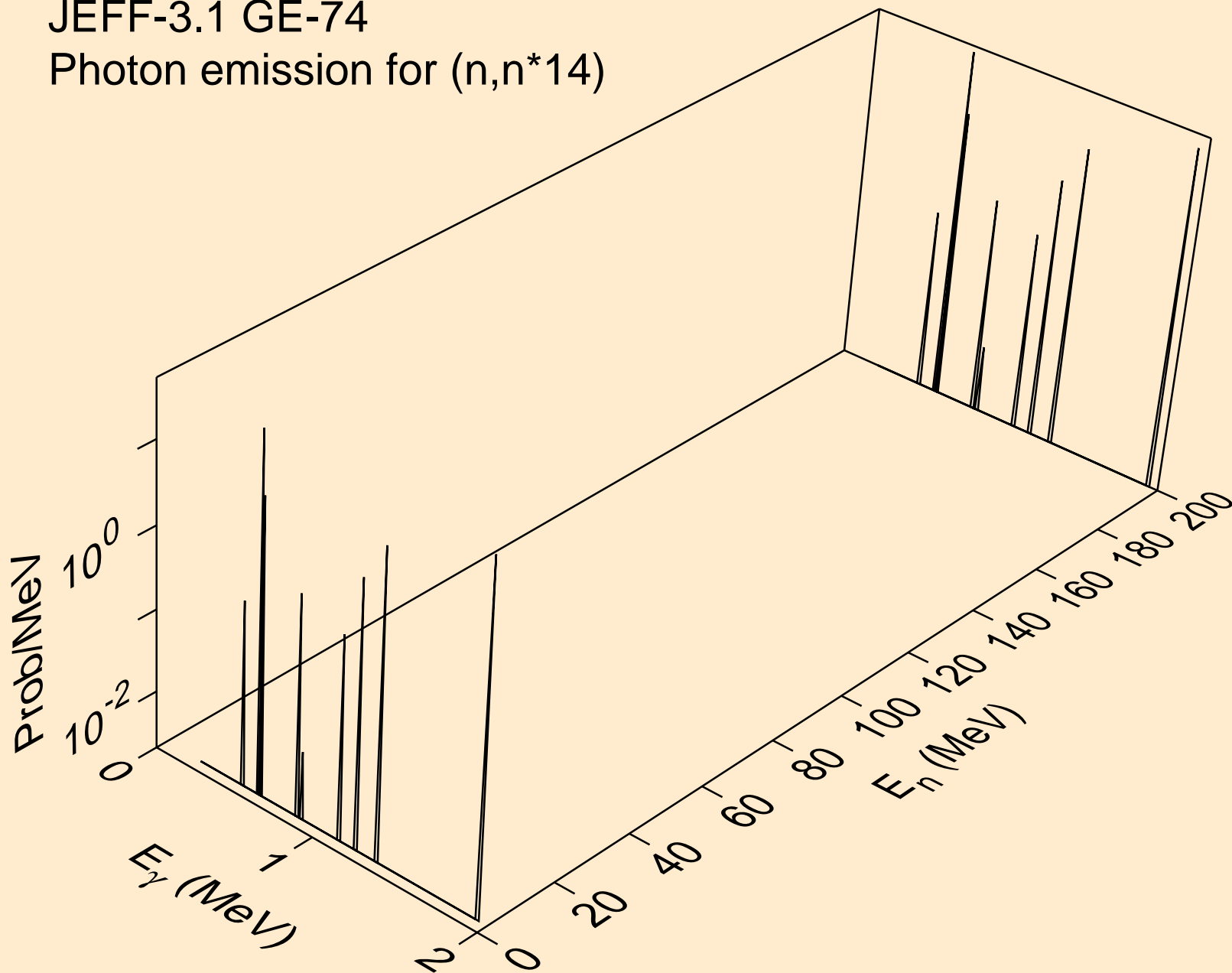
JEFF-3.1 GE-74

Photon emission for (n,n\*13)



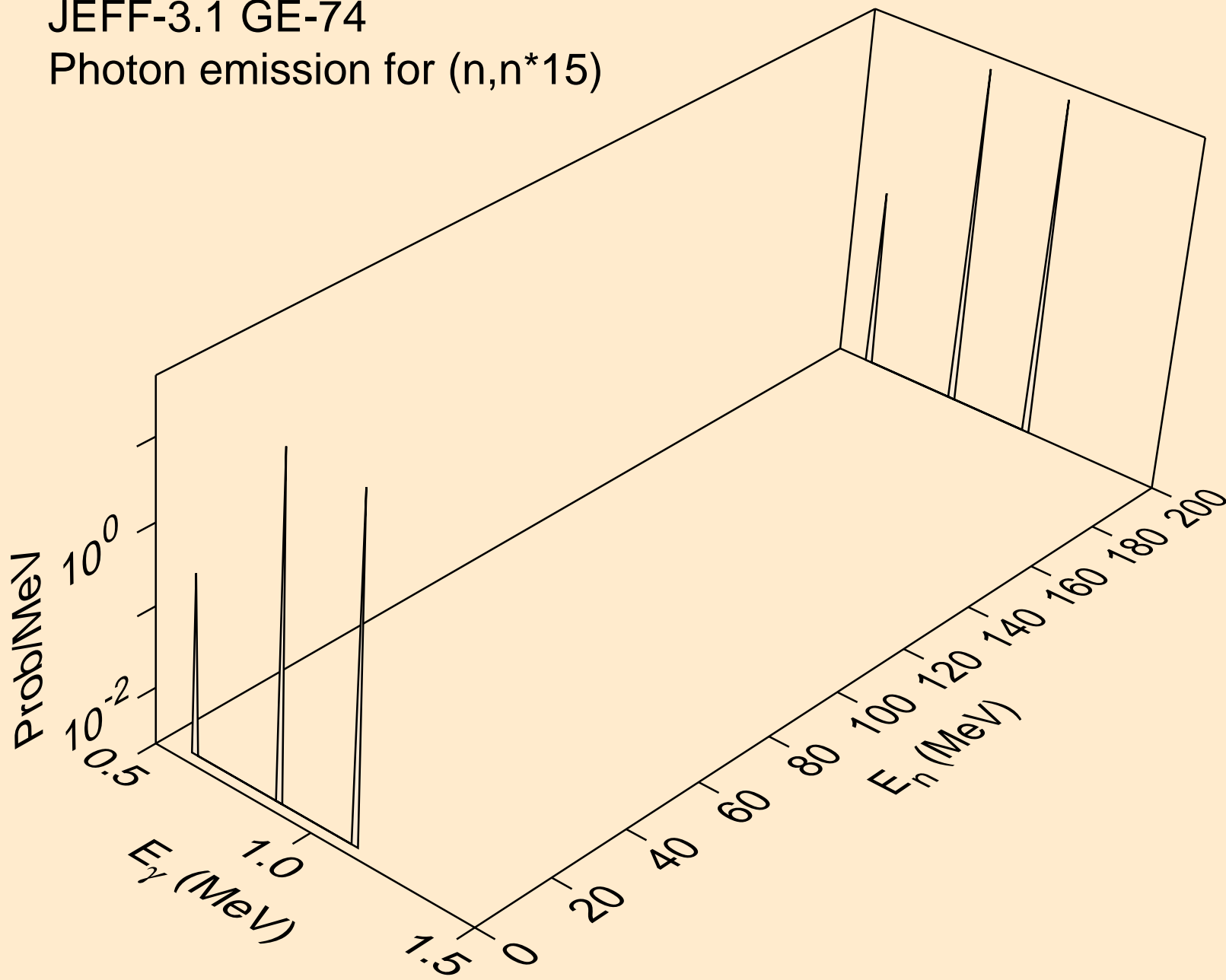
JEFF-3.1 GE-74

Photon emission for (n,n\*14)

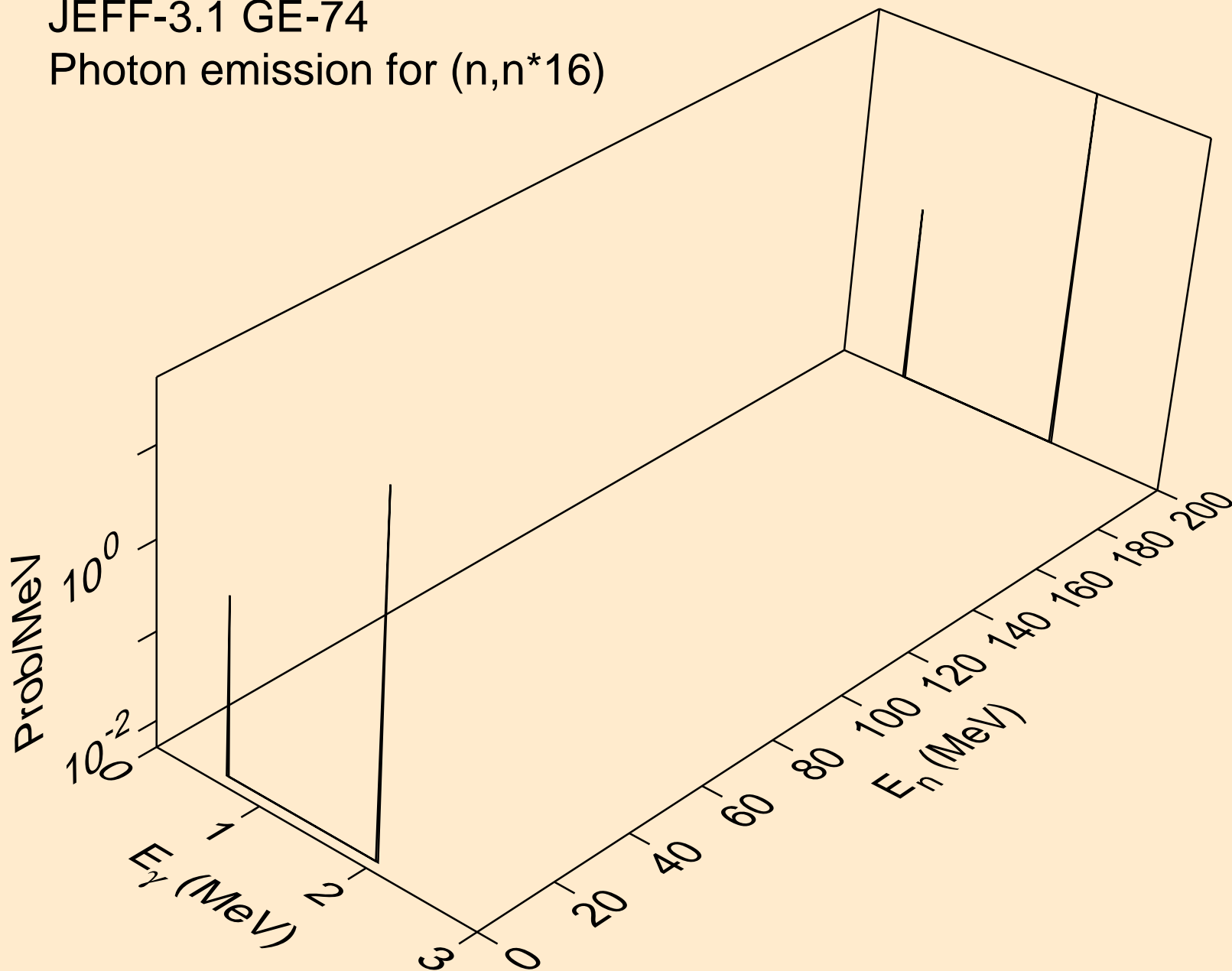




JEFF-3.1 GE-74  
Photon emission for (n,n\*15)

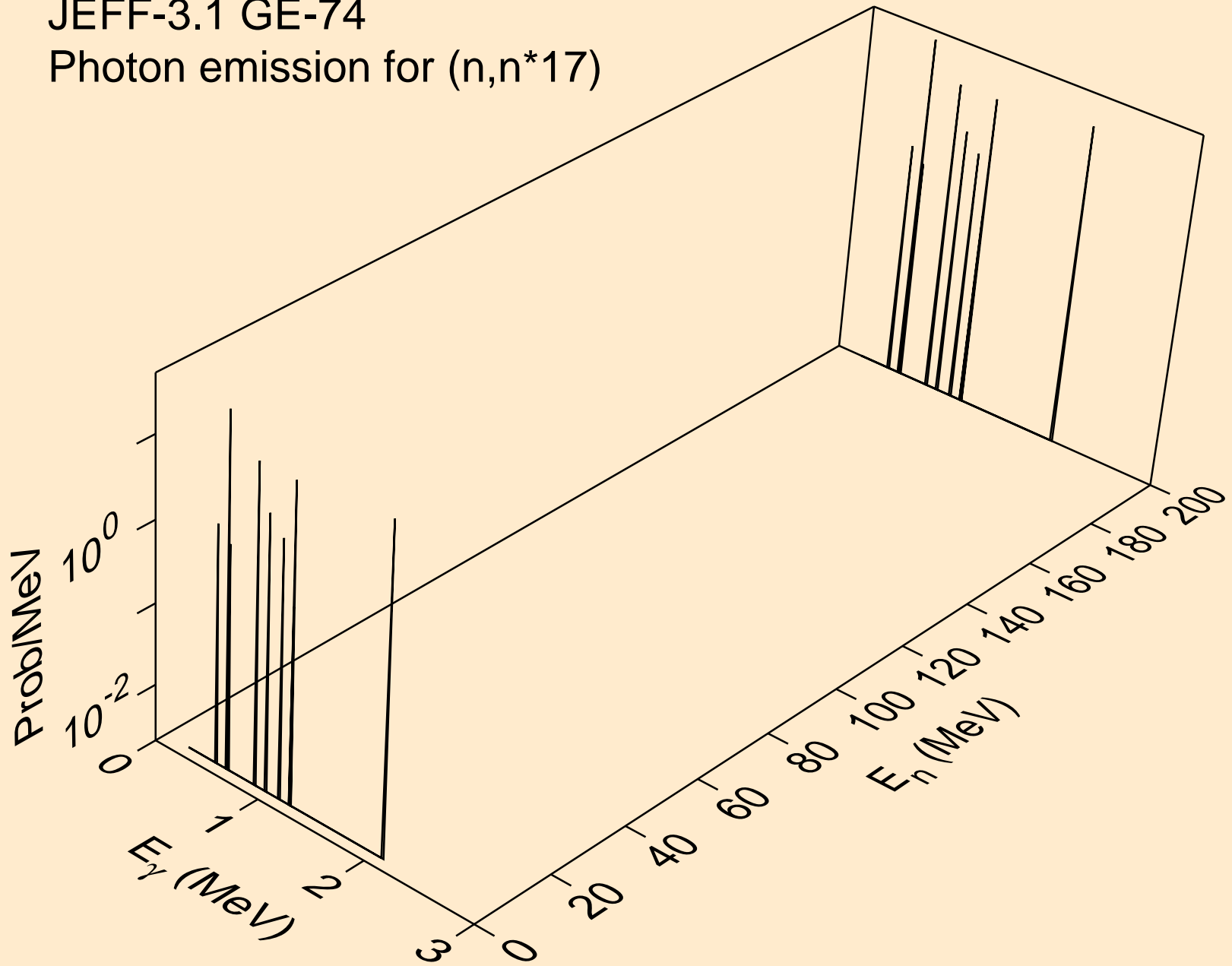


JEFF-3.1 GE-74  
Photon emission for (n,n\*16)



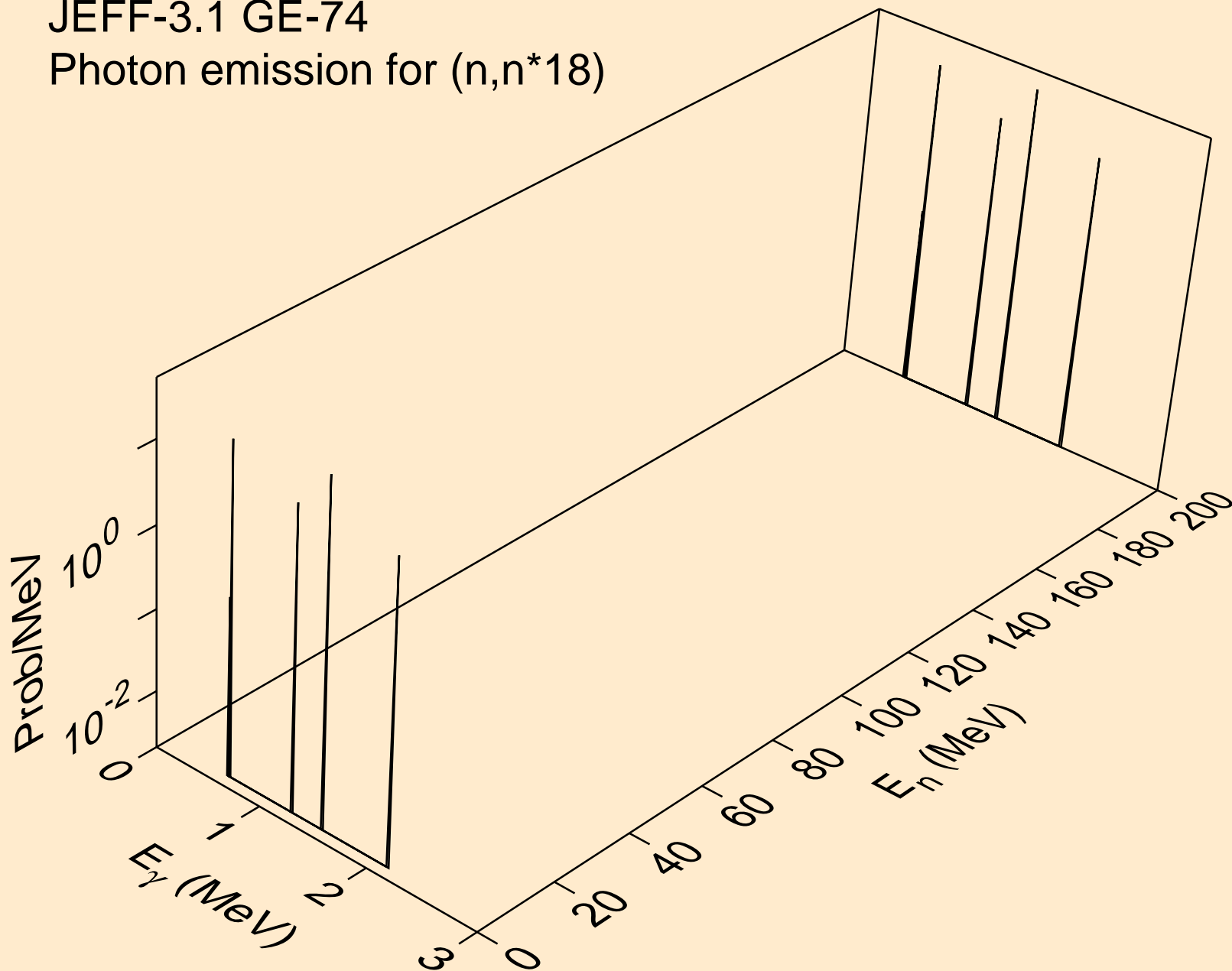
JEFF-3.1 GE-74

Photon emission for (n,n\*17)



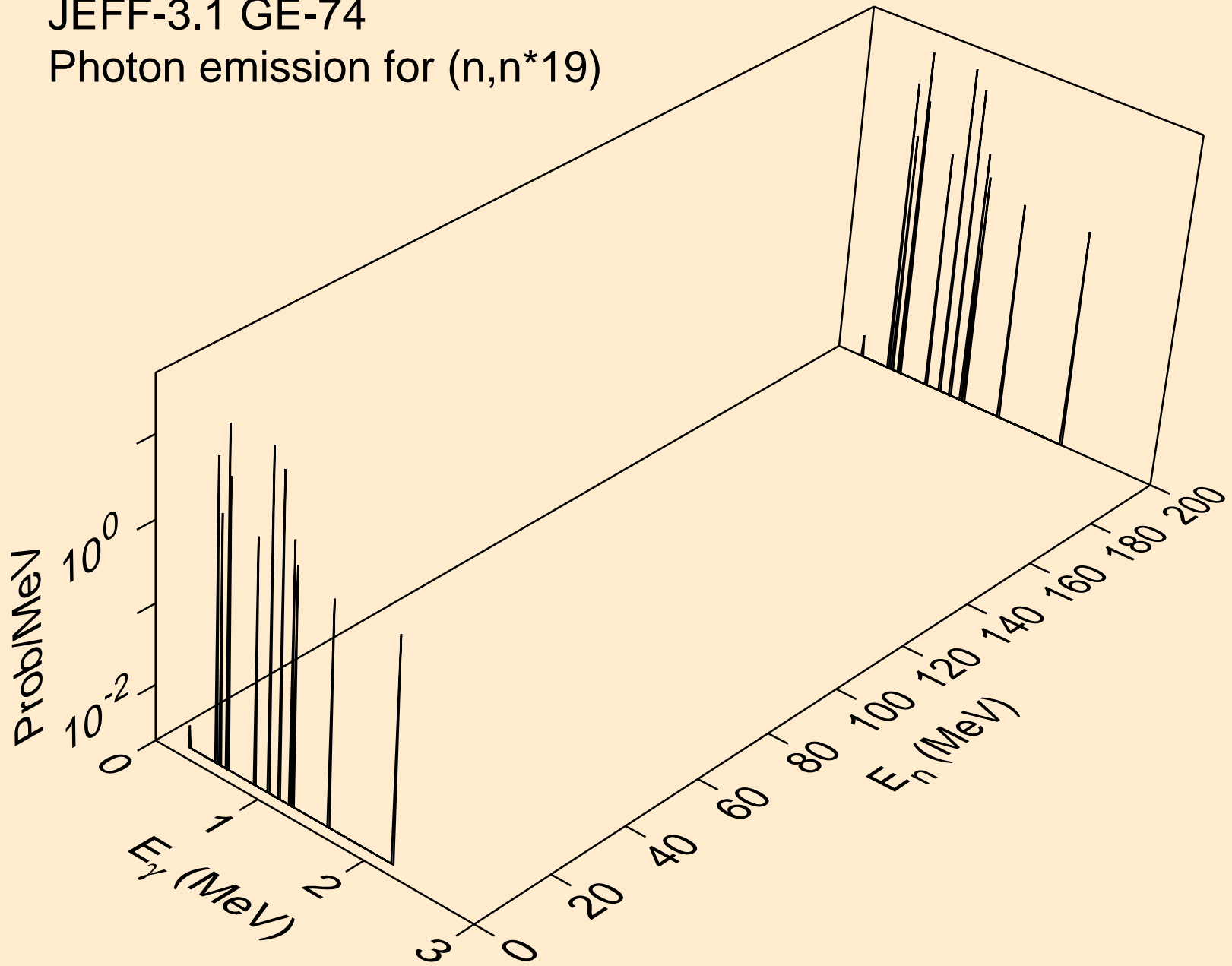
JEFF-3.1 GE-74

Photon emission for (n,n\*18)



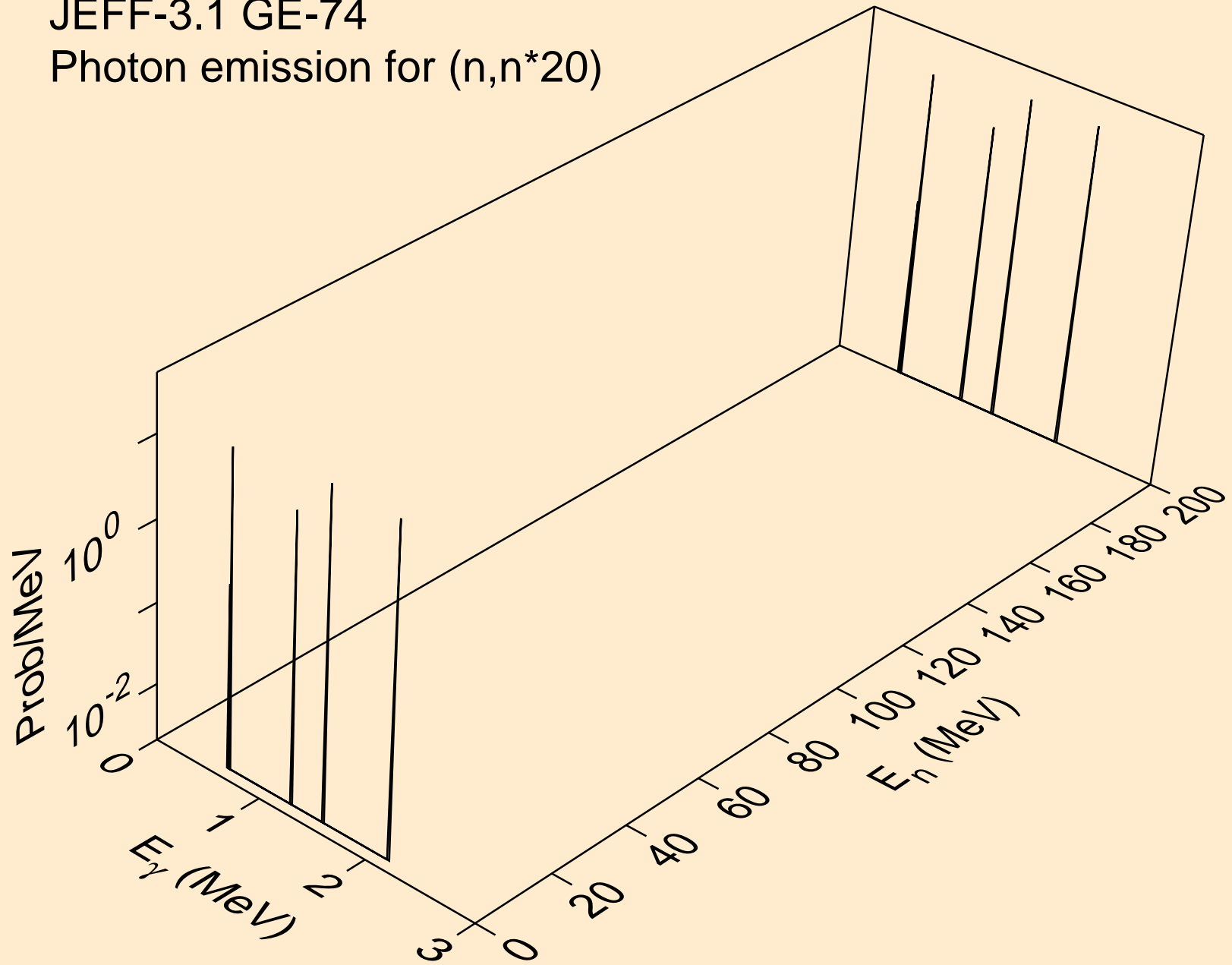
JEFF-3.1 GE-74

Photon emission for (n,n\*19)

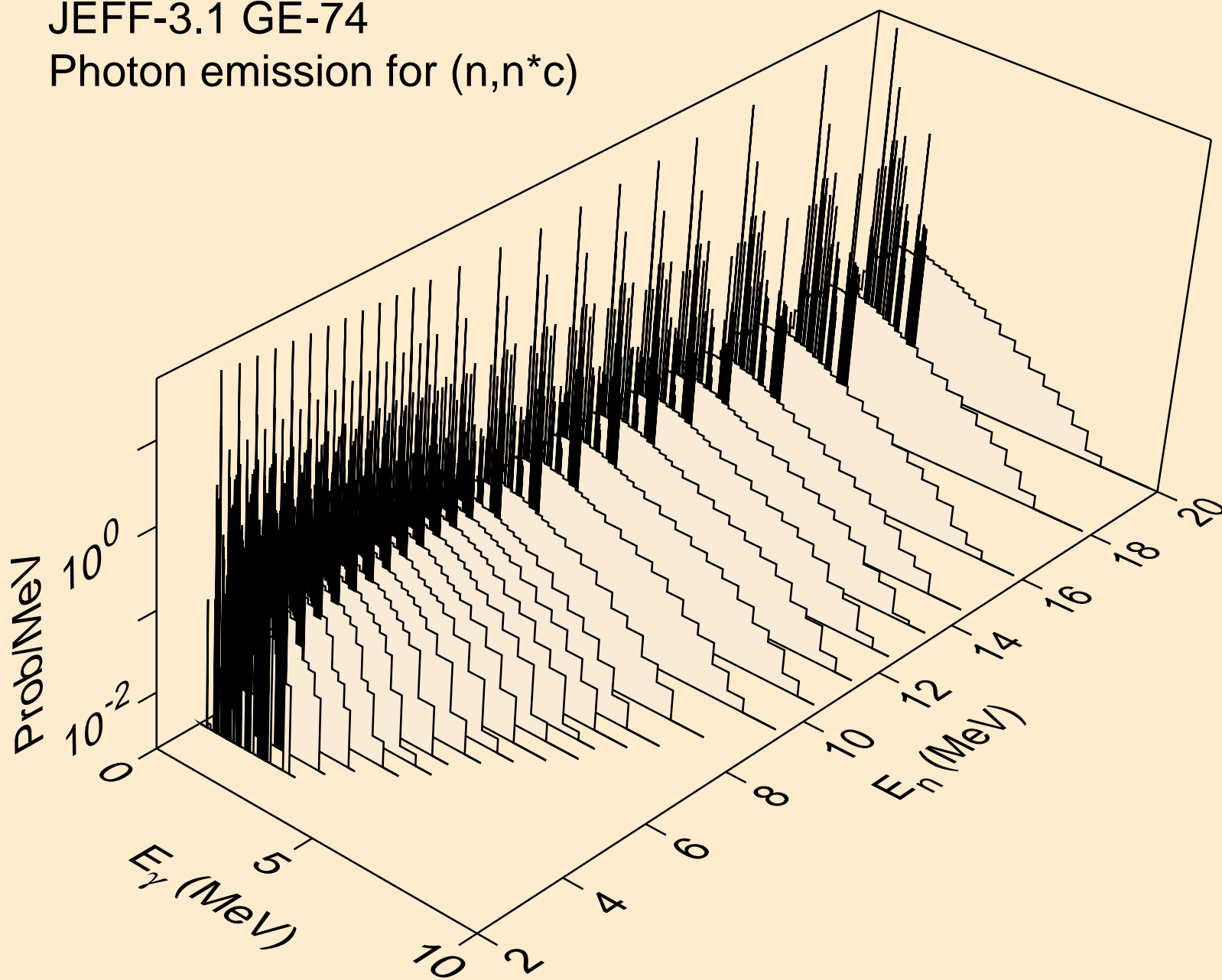


JEFF-3.1 GE-74

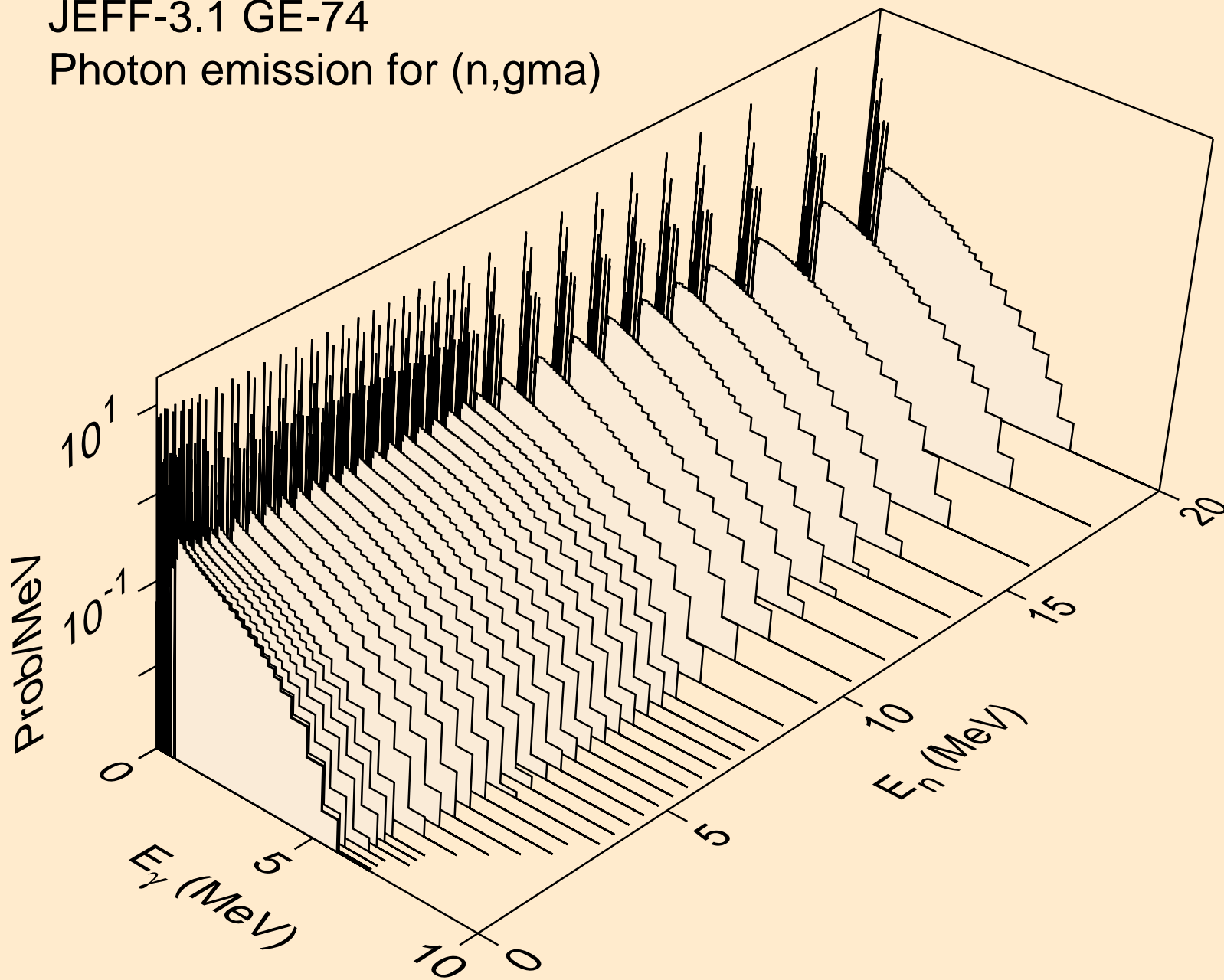
Photon emission for (n,n\*20)



JEFF-3.1 GE-74  
Photon emission for (n,n\*c)



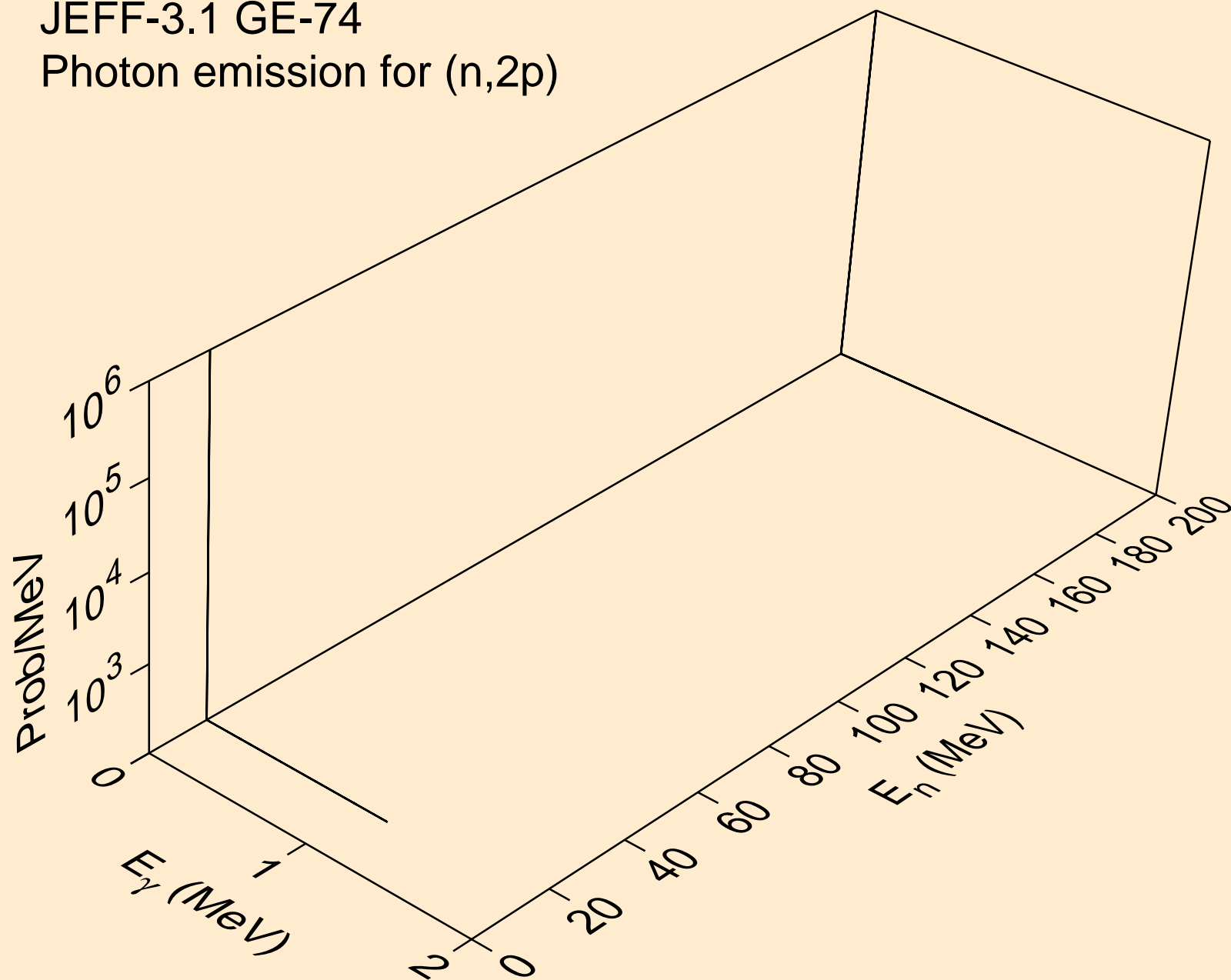
JEFF-3.1 GE-74  
Photon emission for (n,gma)



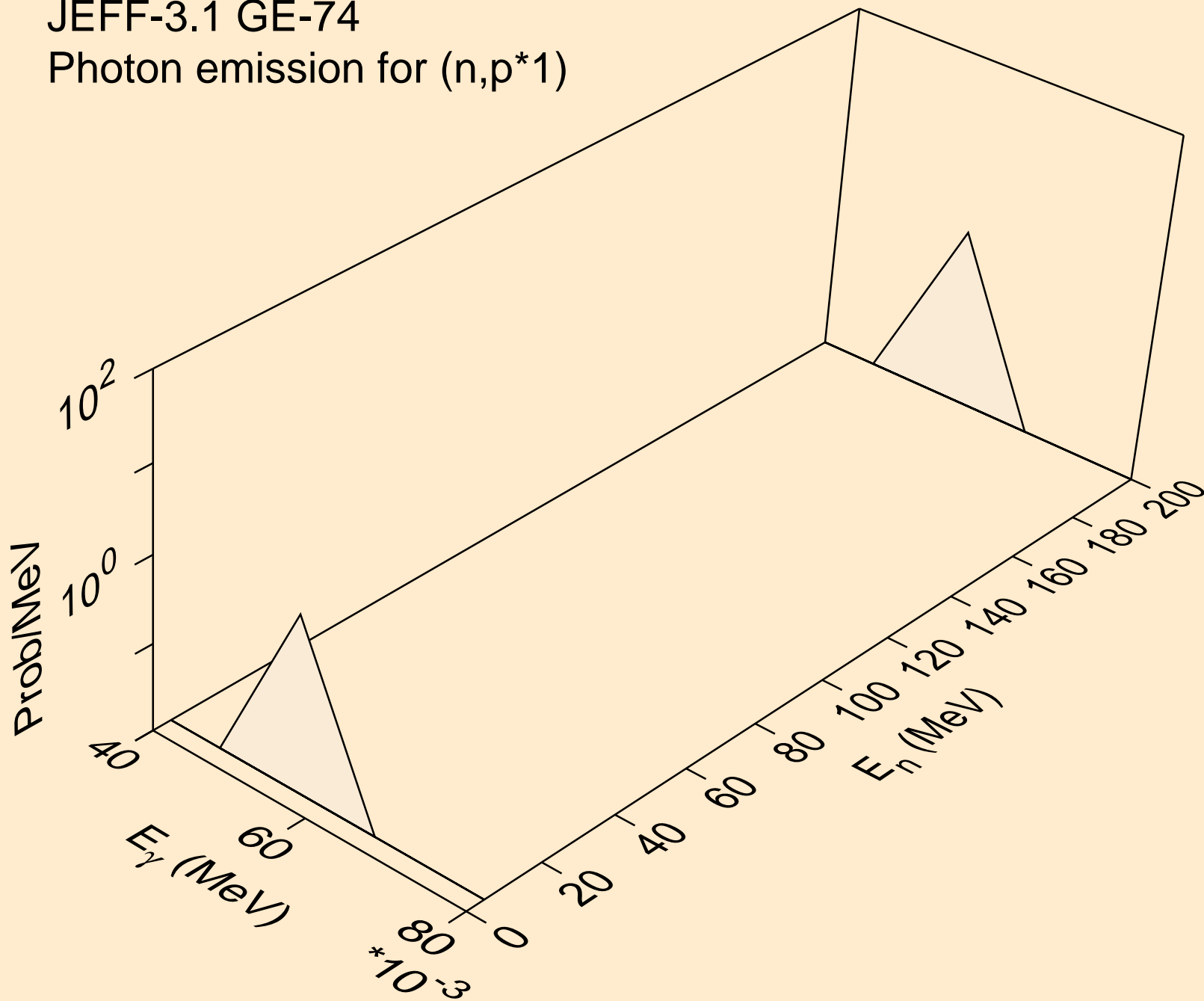


JEFF-3.1 GE-74

Photon emission for (n,2p)

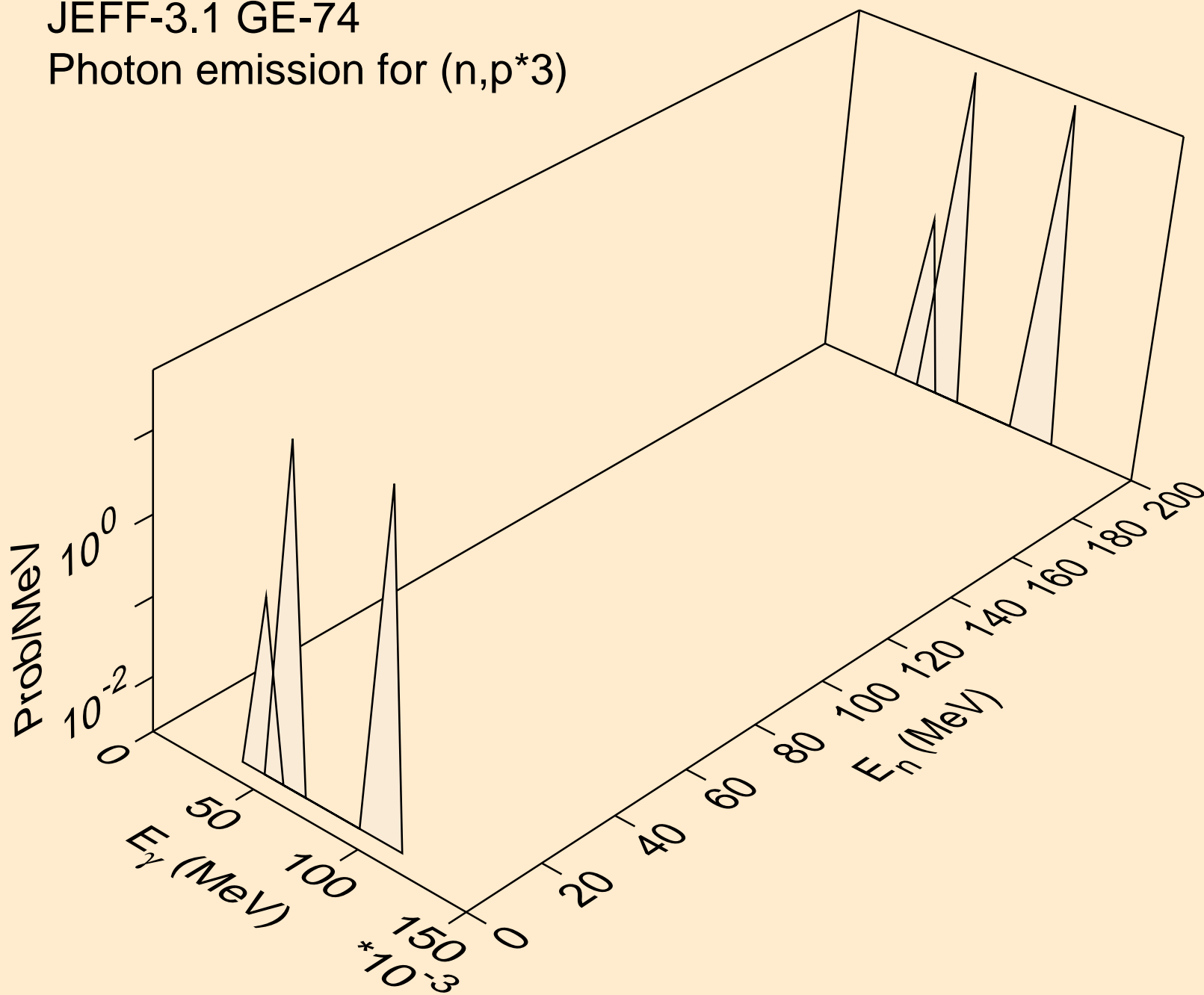


JEFF-3.1 GE-74  
Photon emission for (n,p\*1)

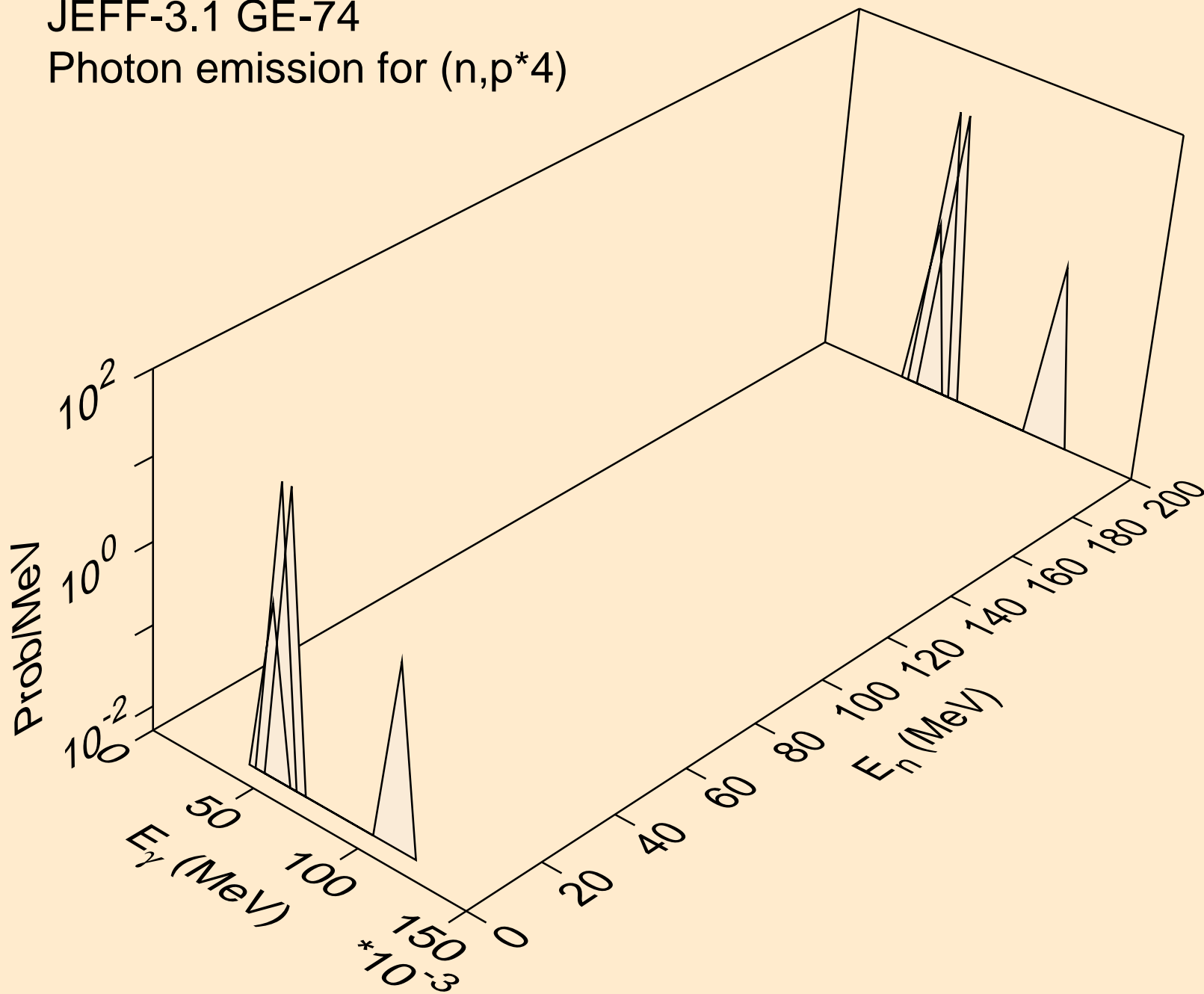


JEFF-3.1 GE-74

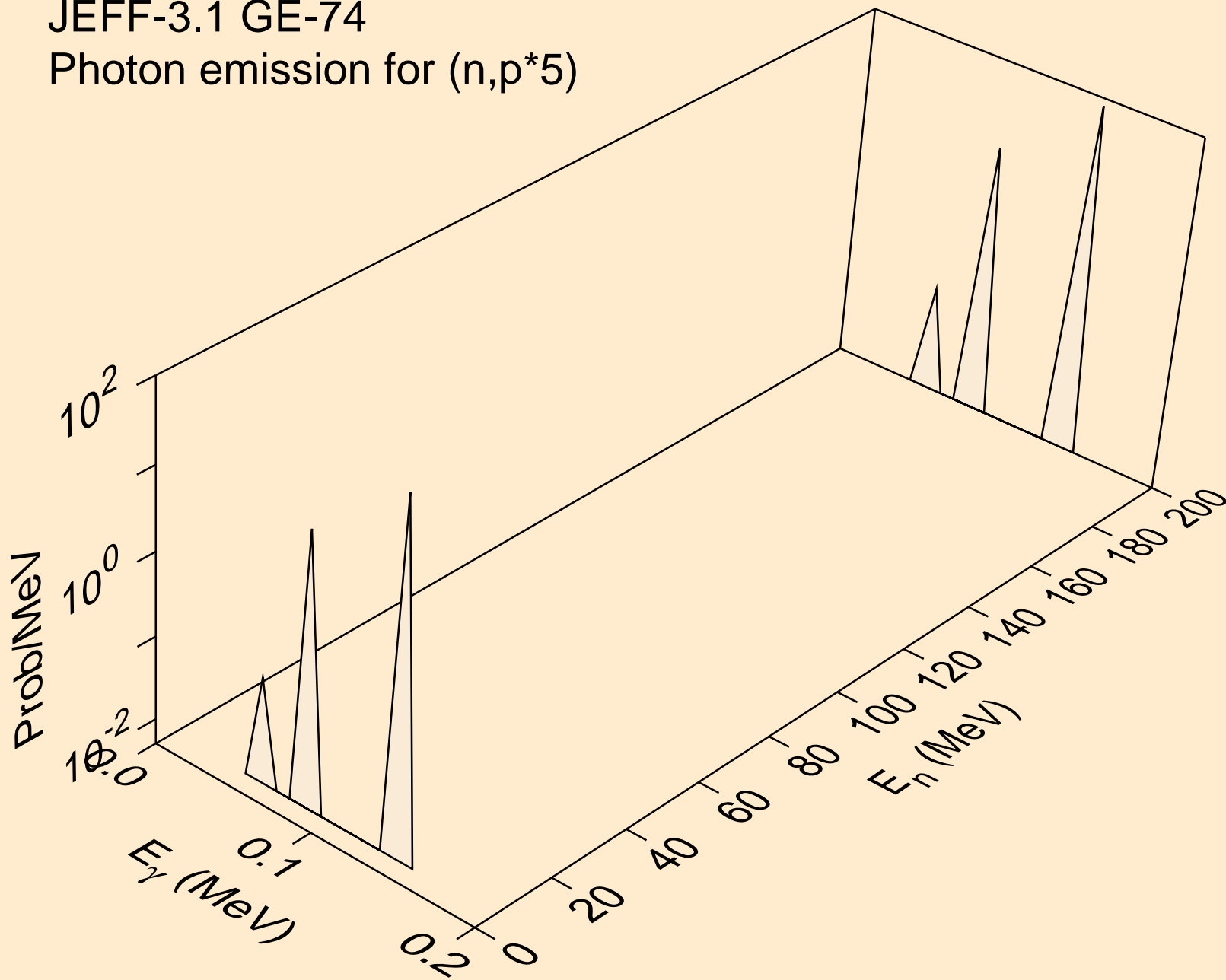
Photon emission for (n,p\*3)



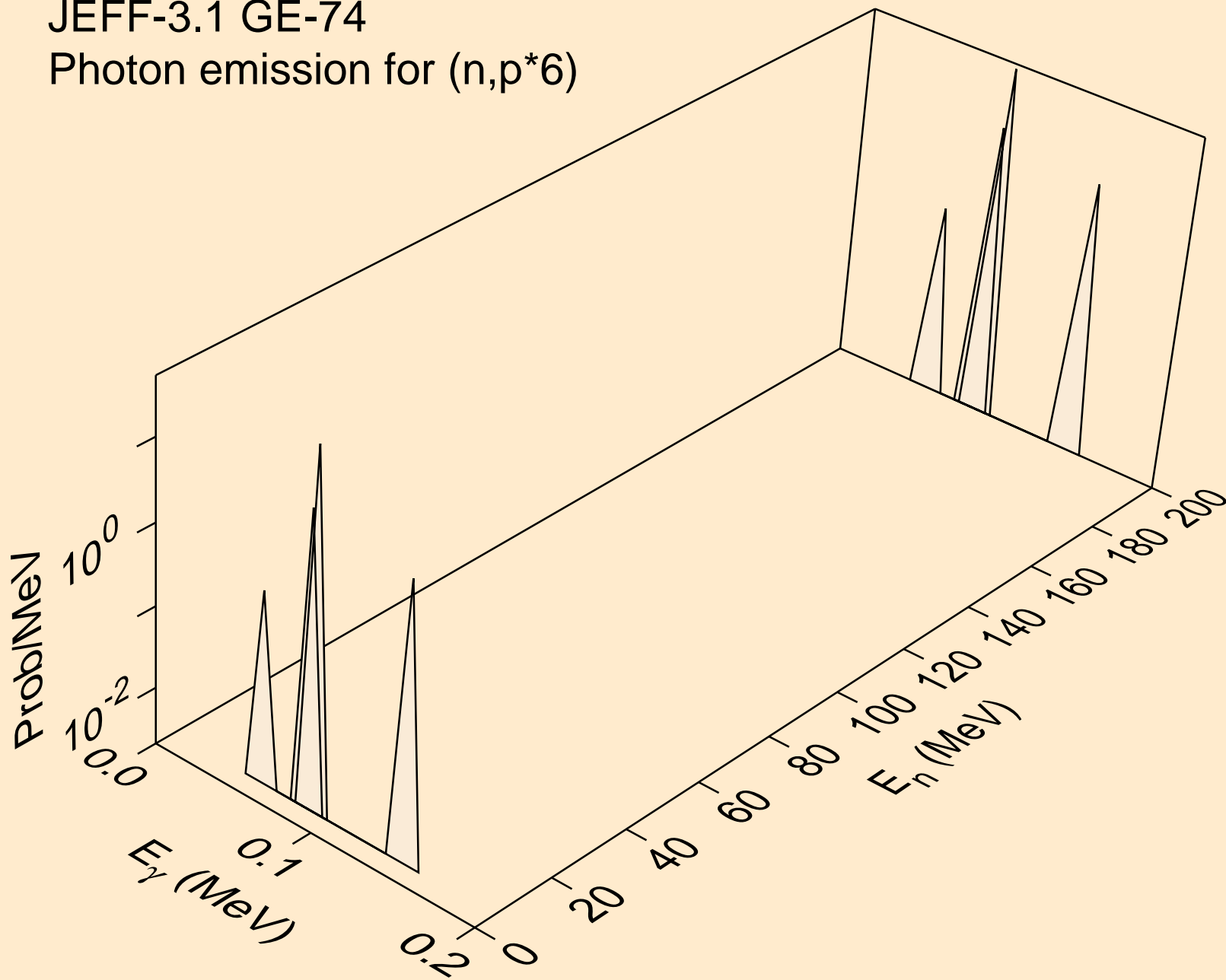
JEFF-3.1 GE-74  
Photon emission for (n,p\*4)



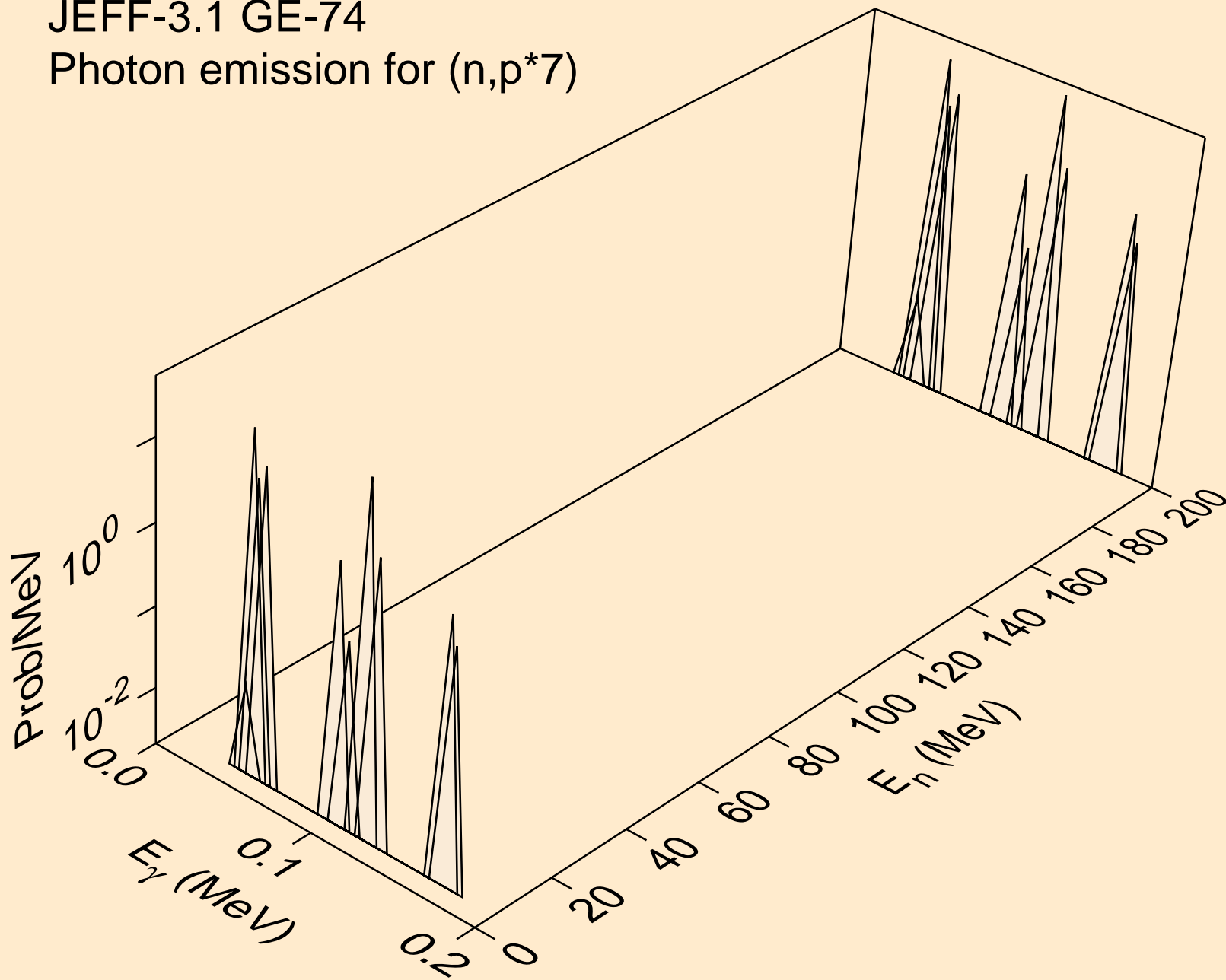
JEFF-3.1 GE-74  
Photon emission for (n,p\*5)



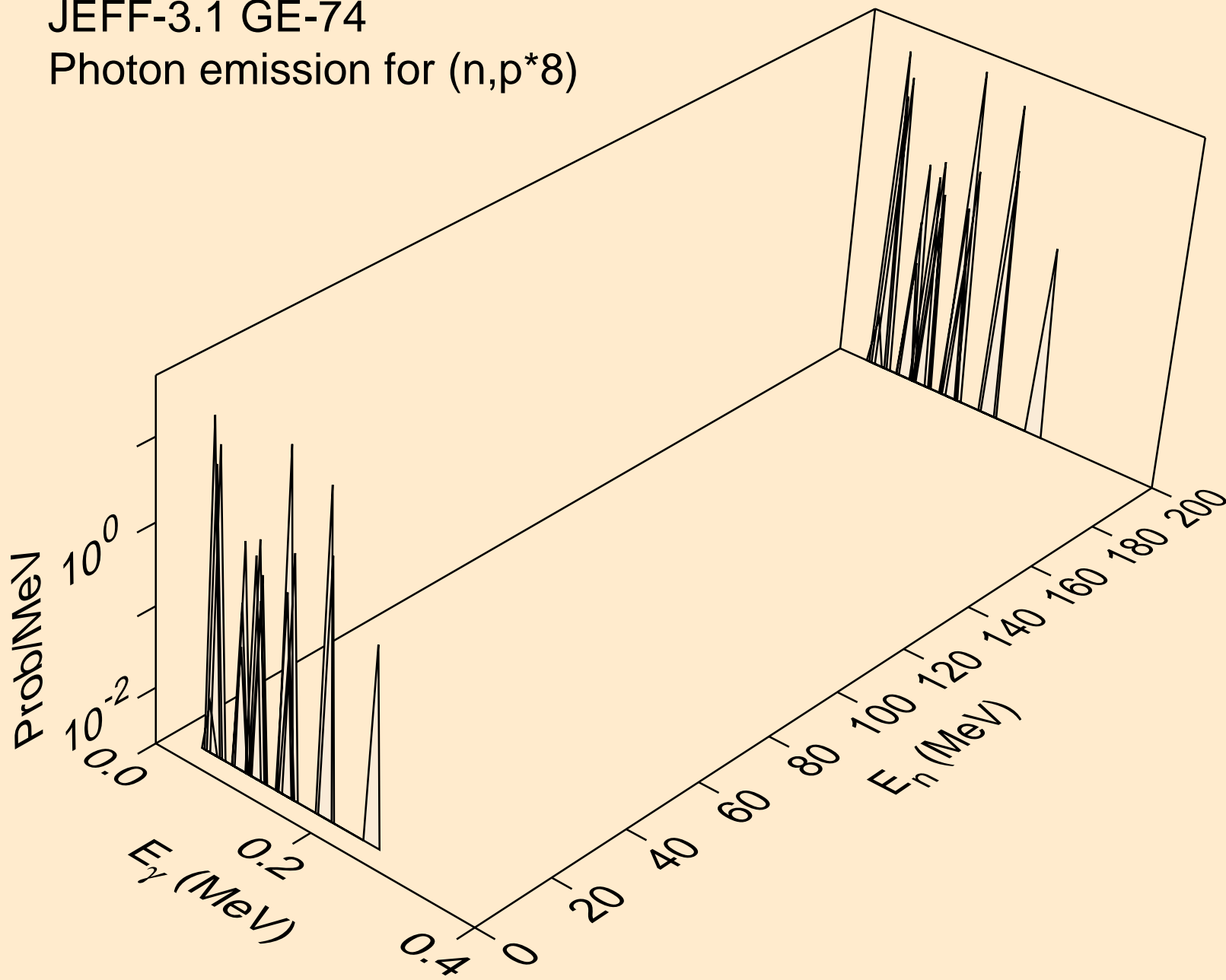
JEFF-3.1 GE-74  
Photon emission for (n,p\*6)



JEFF-3.1 GE-74  
Photon emission for (n,p\*7)



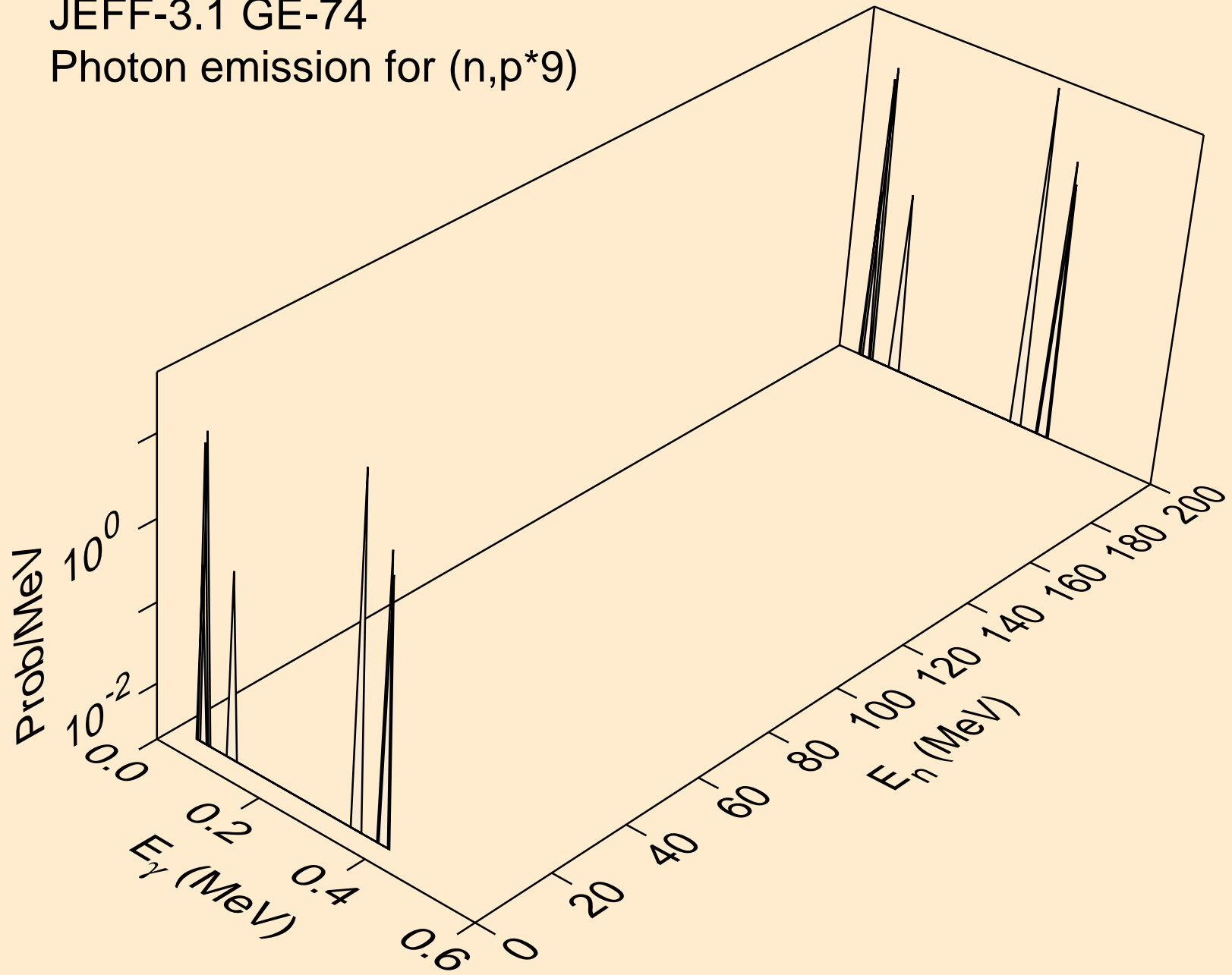
JEFF-3.1 GE-74  
Photon emission for (n,p\*8)





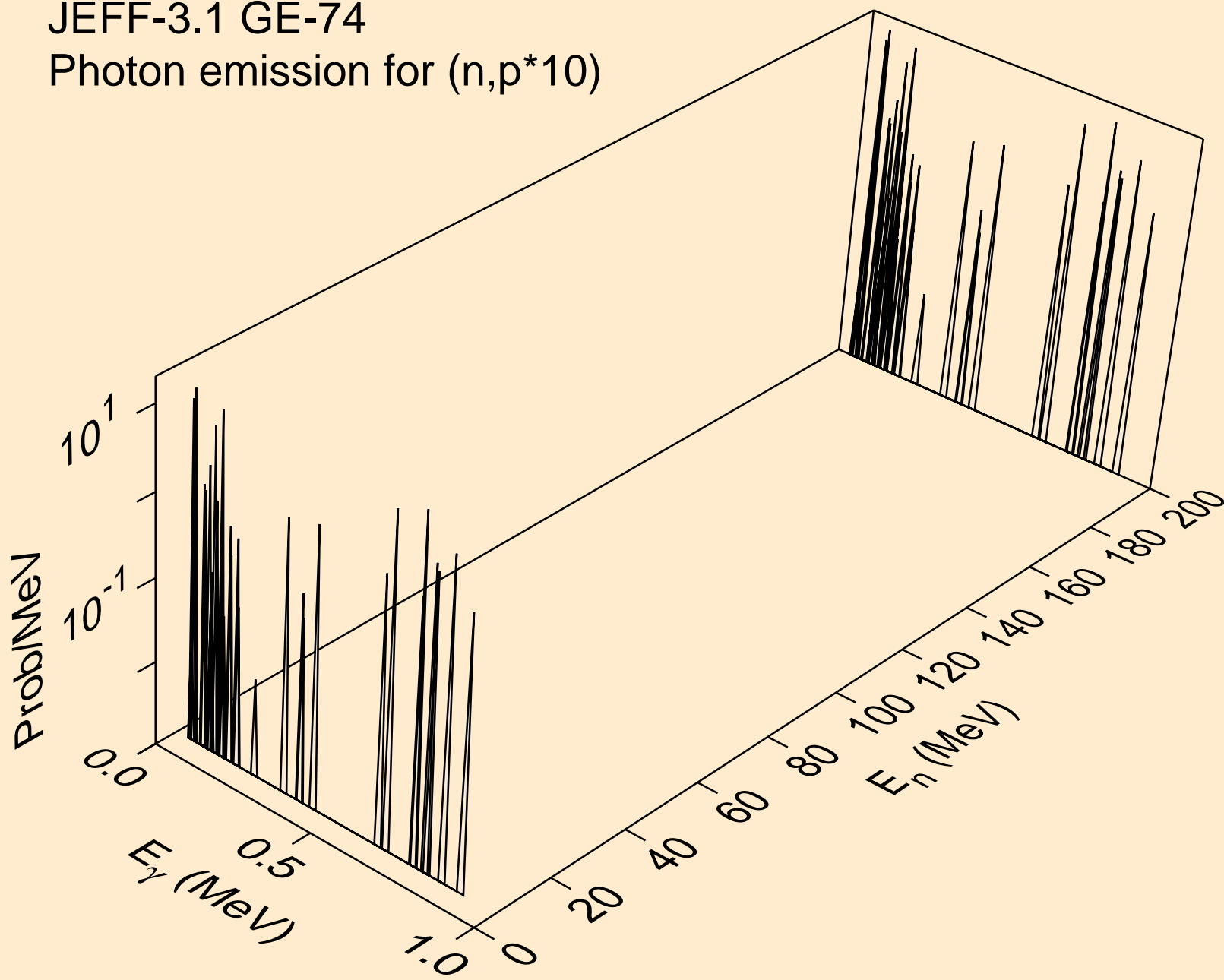
JEFF-3.1 GE-74

Photon emission for (n,p\*9)

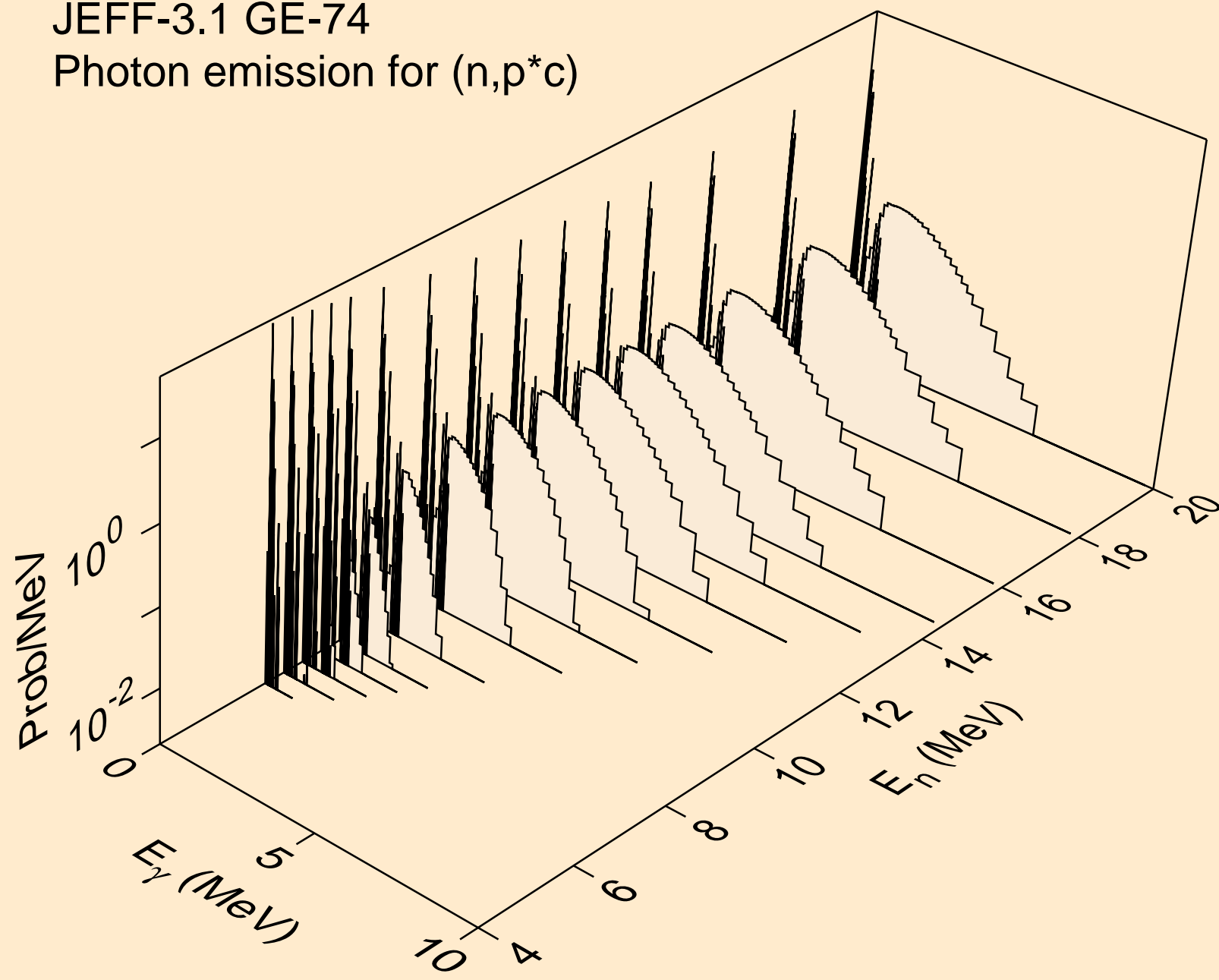


JEFF-3.1 GE-74

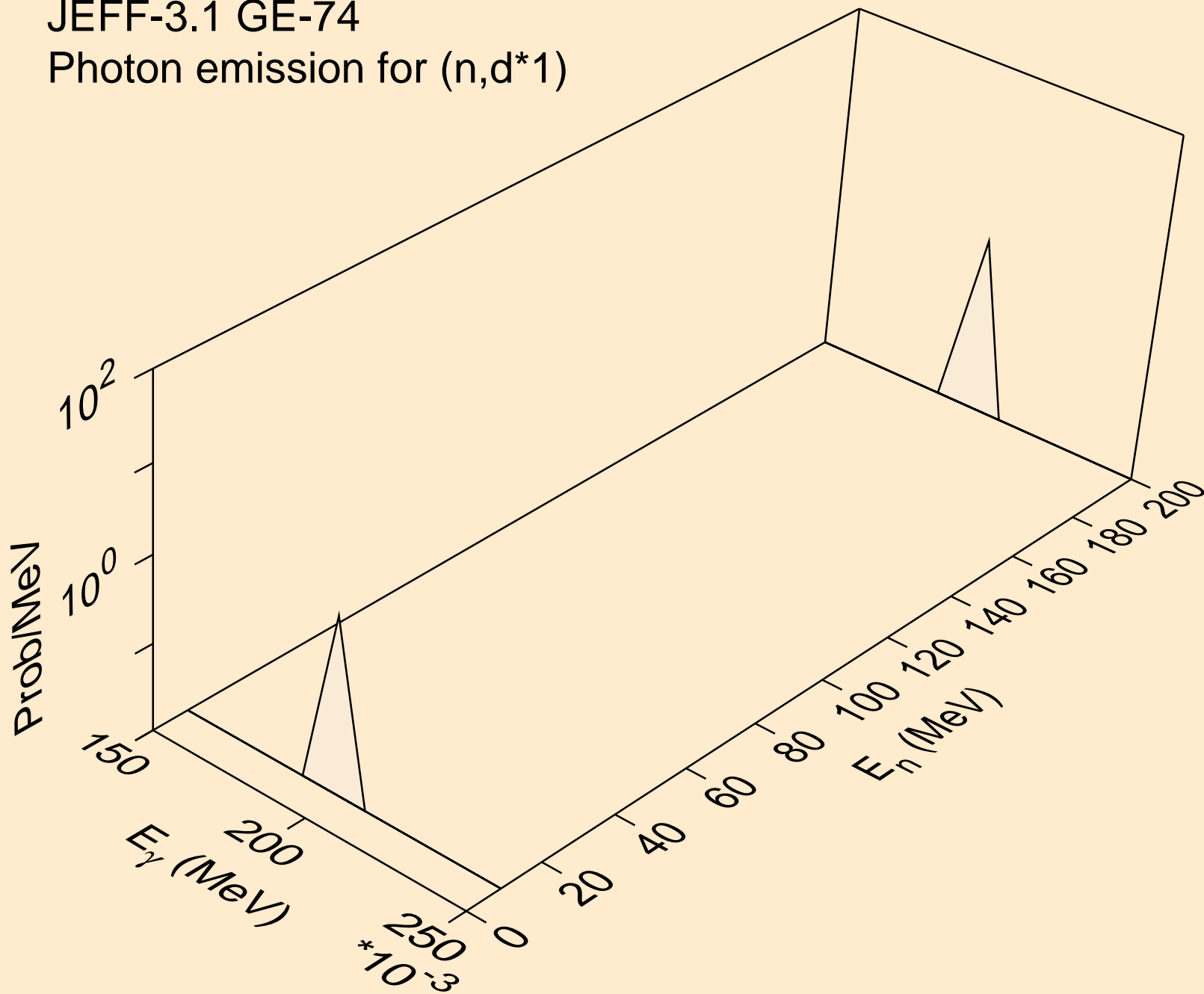
Photon emission for (n,p\*10)



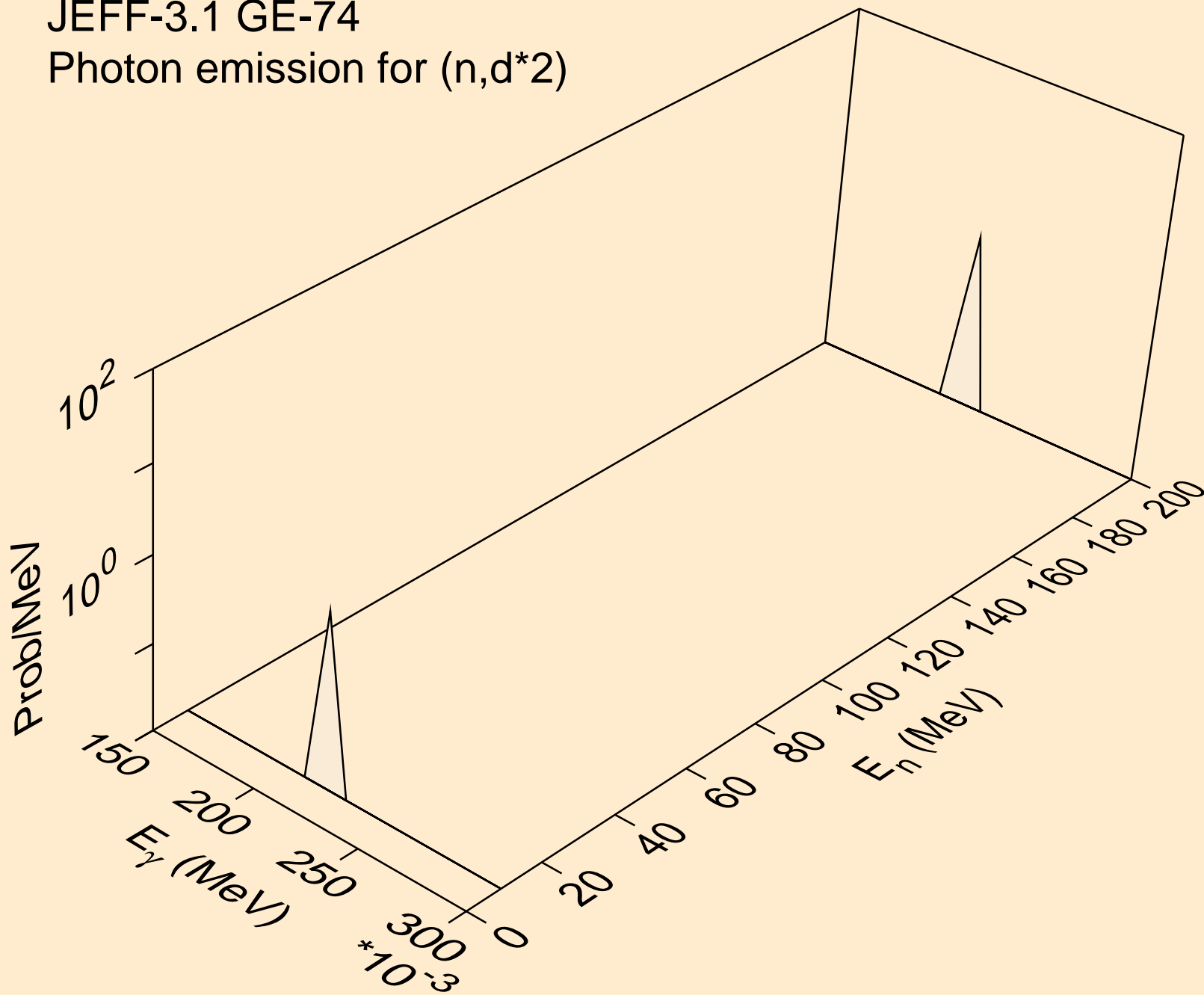
JEFF-3.1 GE-74  
Photon emission for (n,p\*c)



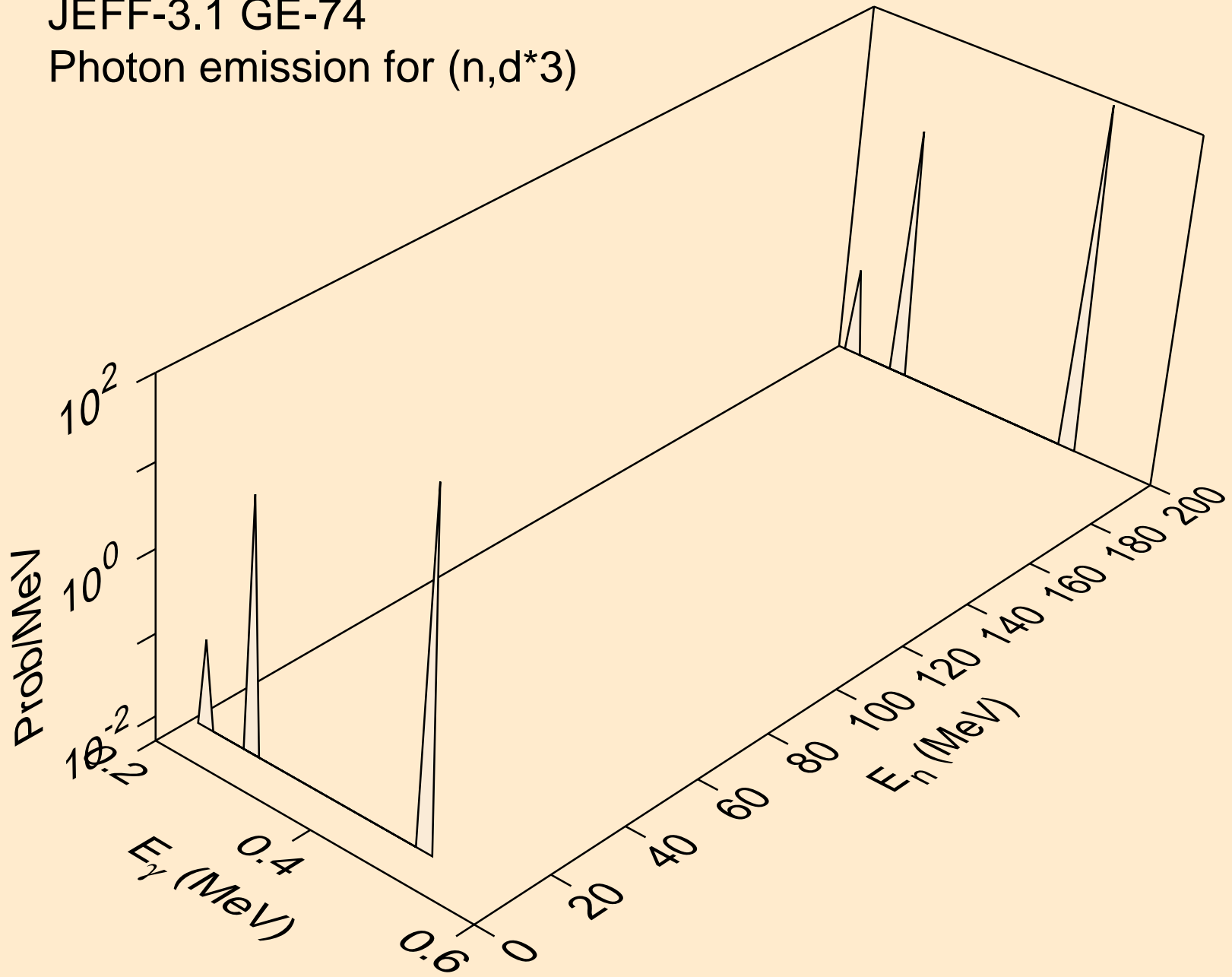
JEFF-3.1 GE-74  
Photon emission for (n,d\*1)



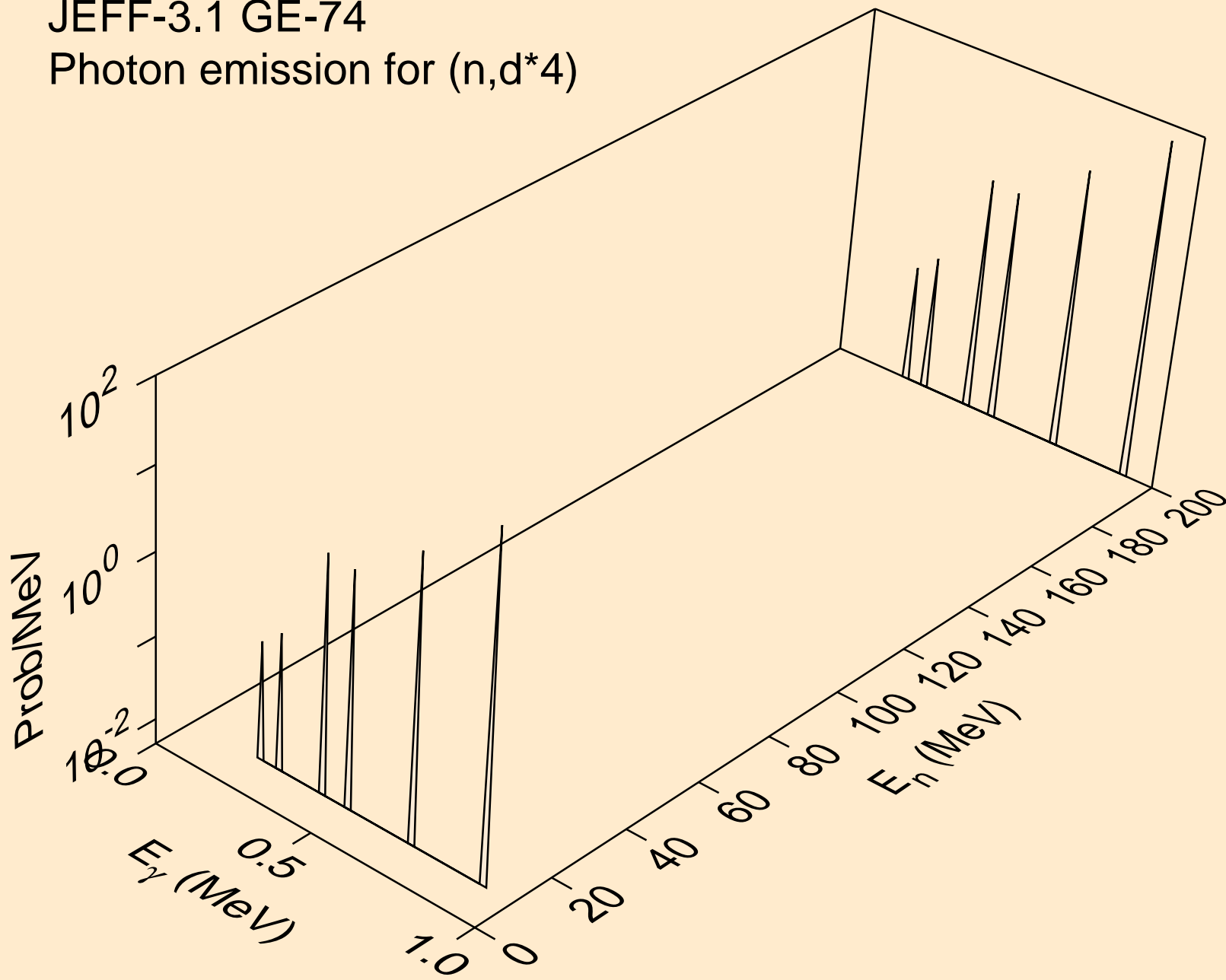
JEFF-3.1 GE-74  
Photon emission for (n,d\*2)



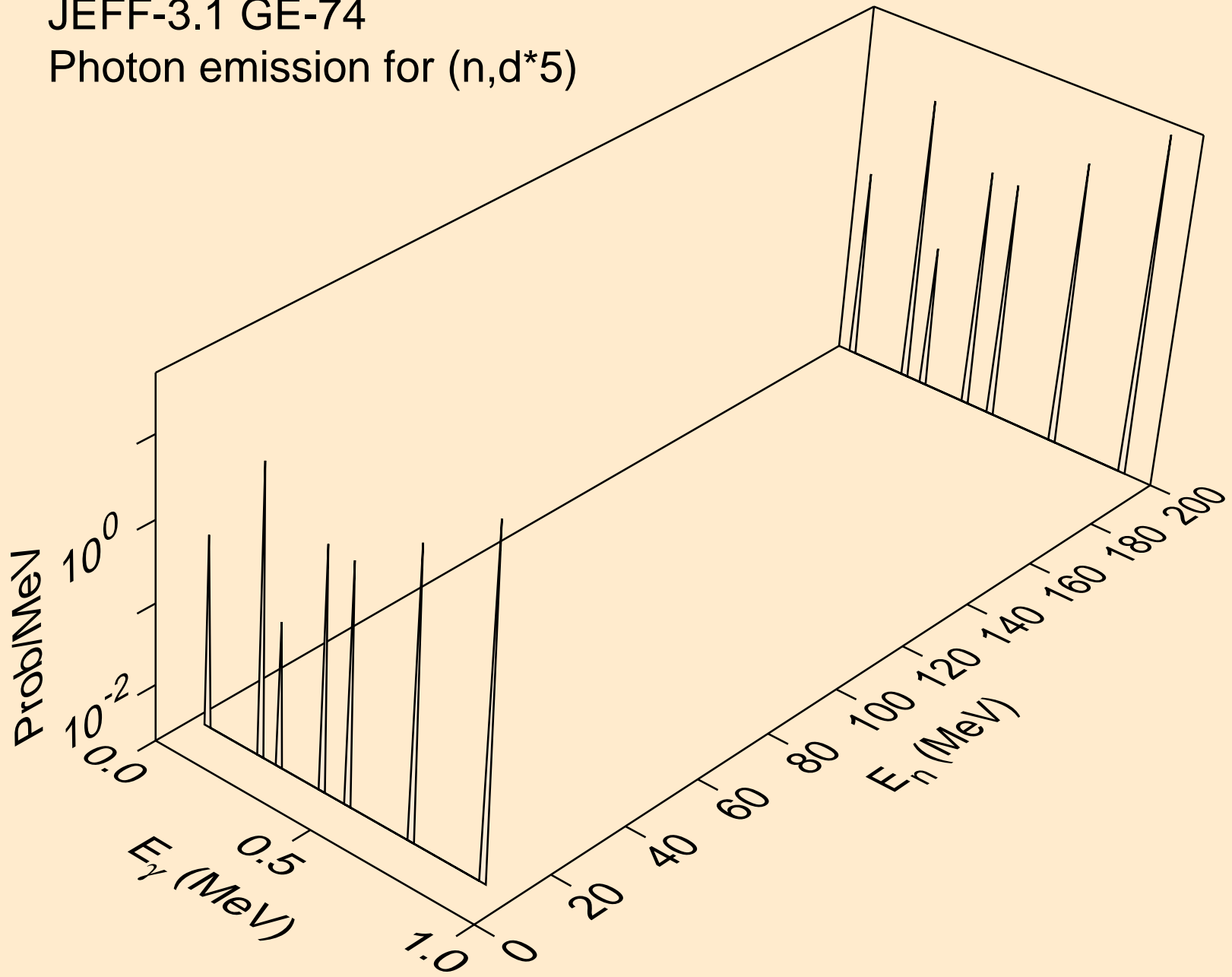
JEFF-3.1 GE-74  
Photon emission for (n,d\*3)



JEFF-3.1 GE-74  
Photon emission for (n,d\*4)

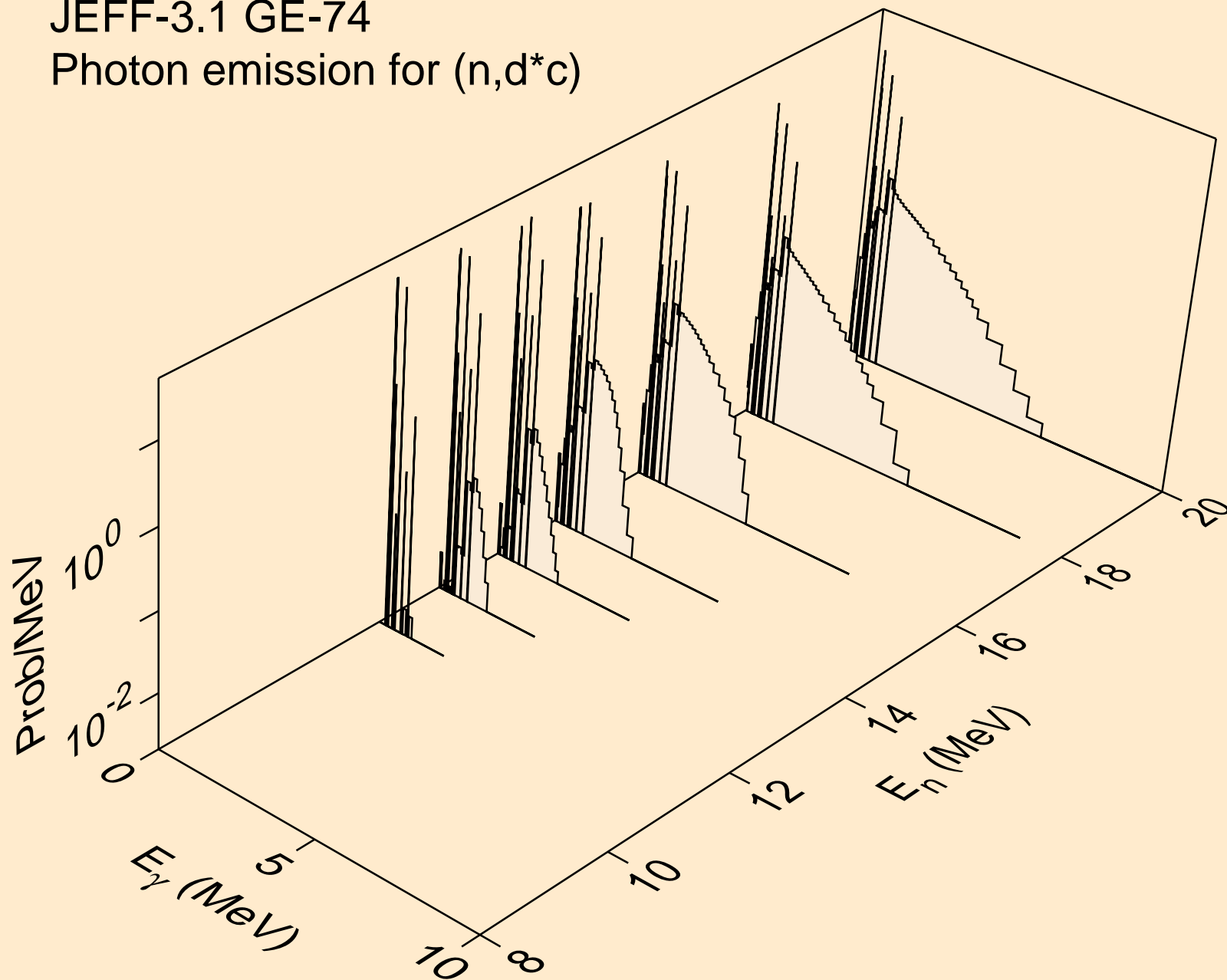


JEFF-3.1 GE-74  
Photon emission for (n,d\*5)

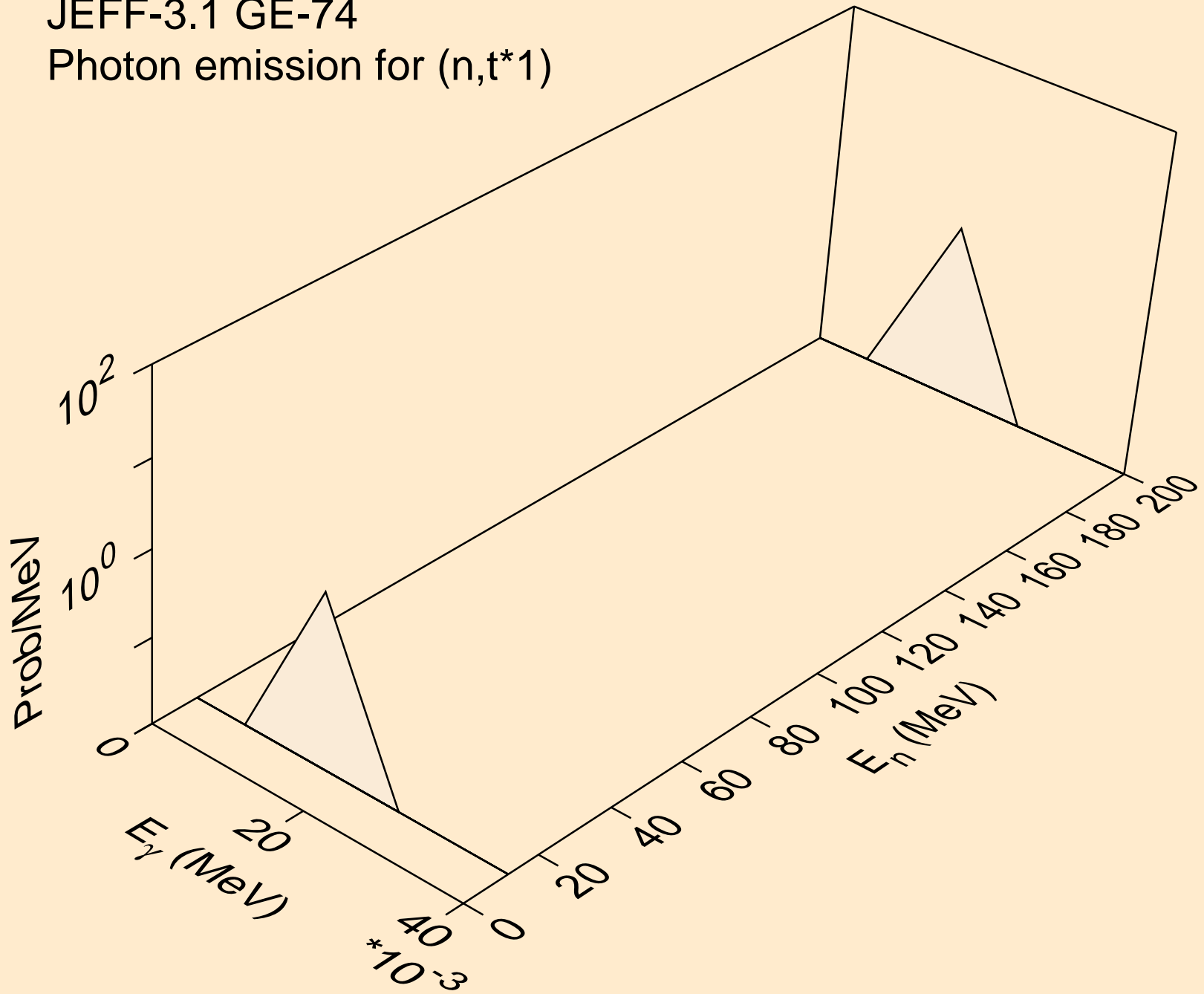




JEFF-3.1 GE-74  
Photon emission for (n,d\*c)

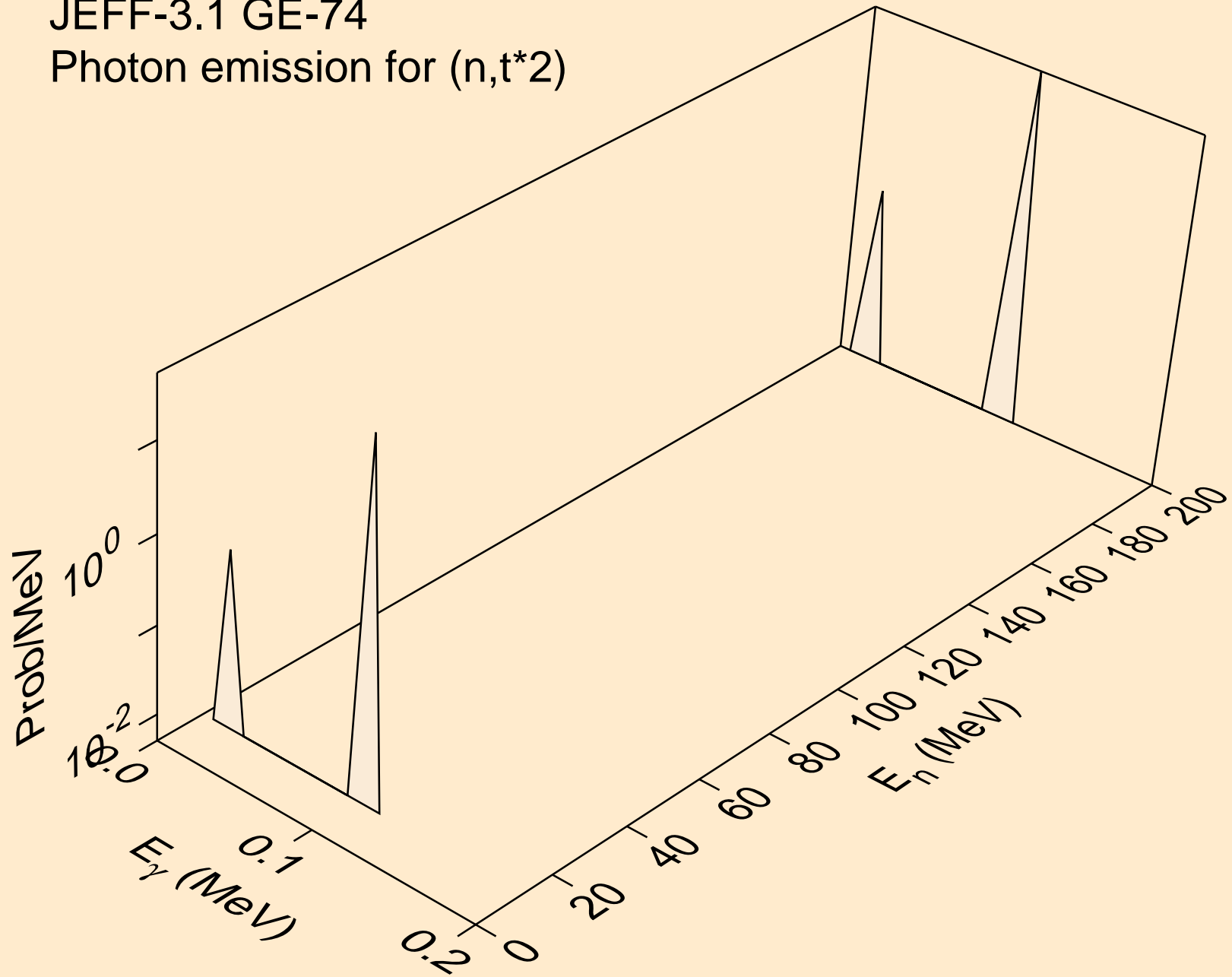


JEFF-3.1 GE-74  
Photon emission for (n,t\*1)

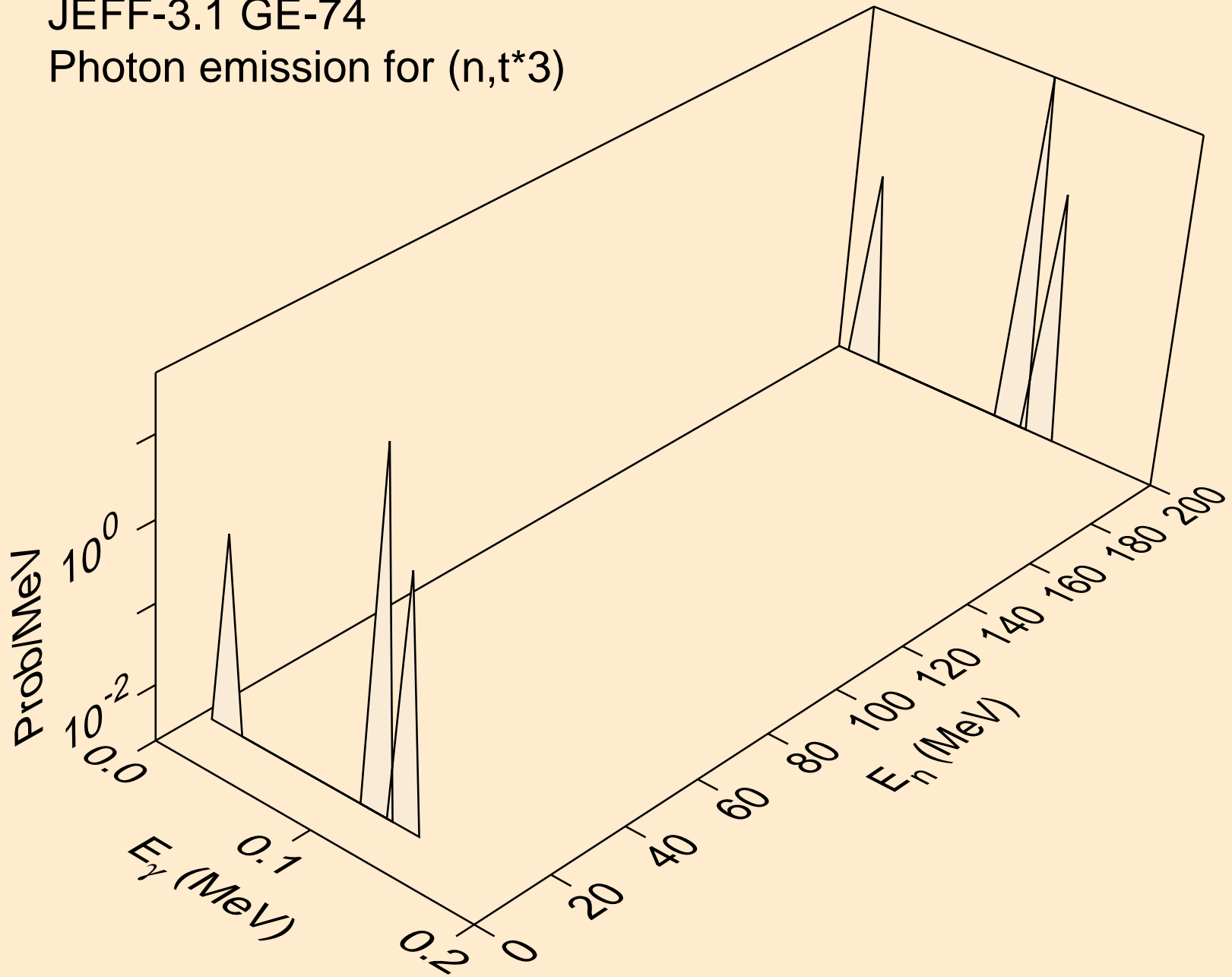


JEFF-3.1 GE-74

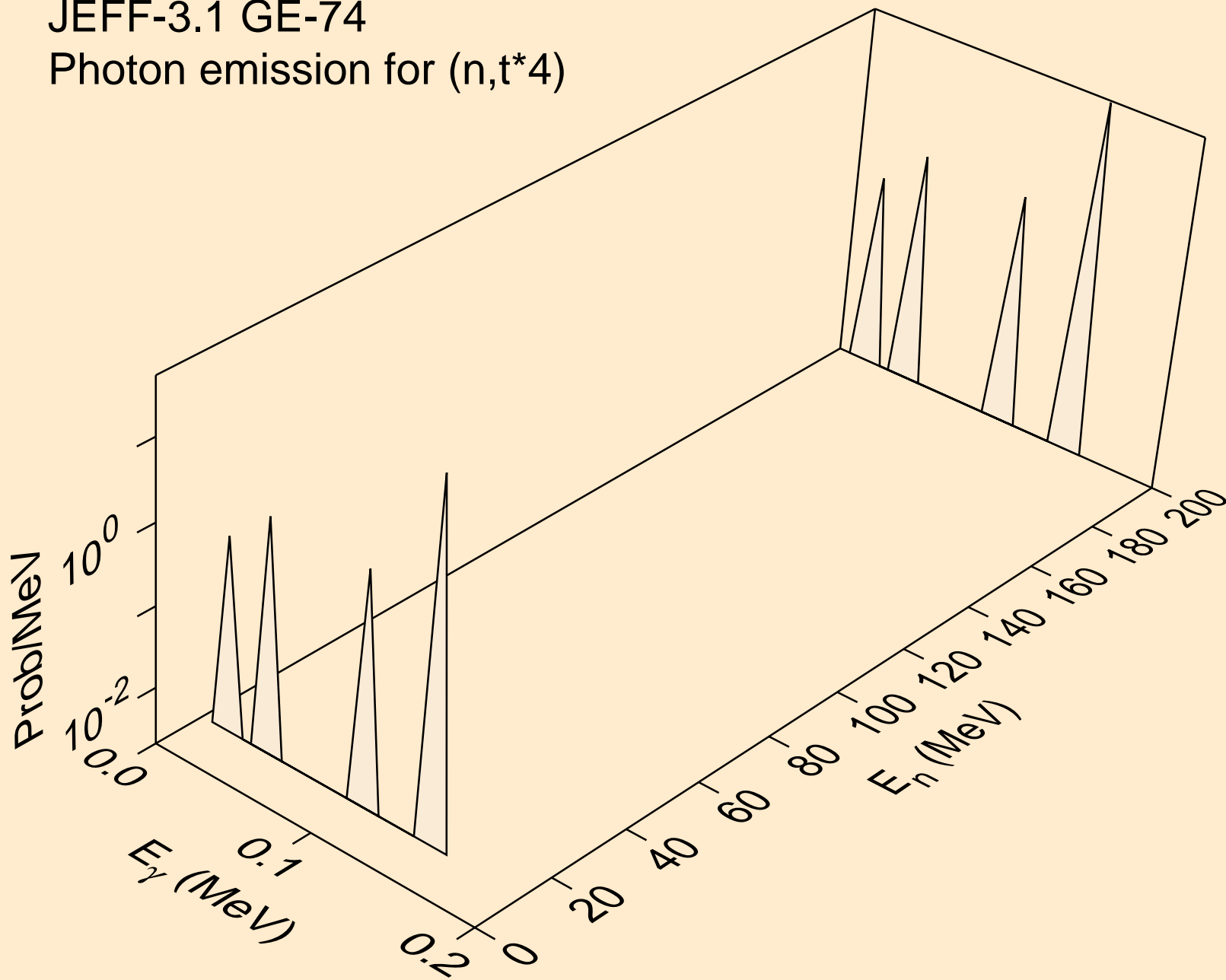
Photon emission for (n,t\*2)



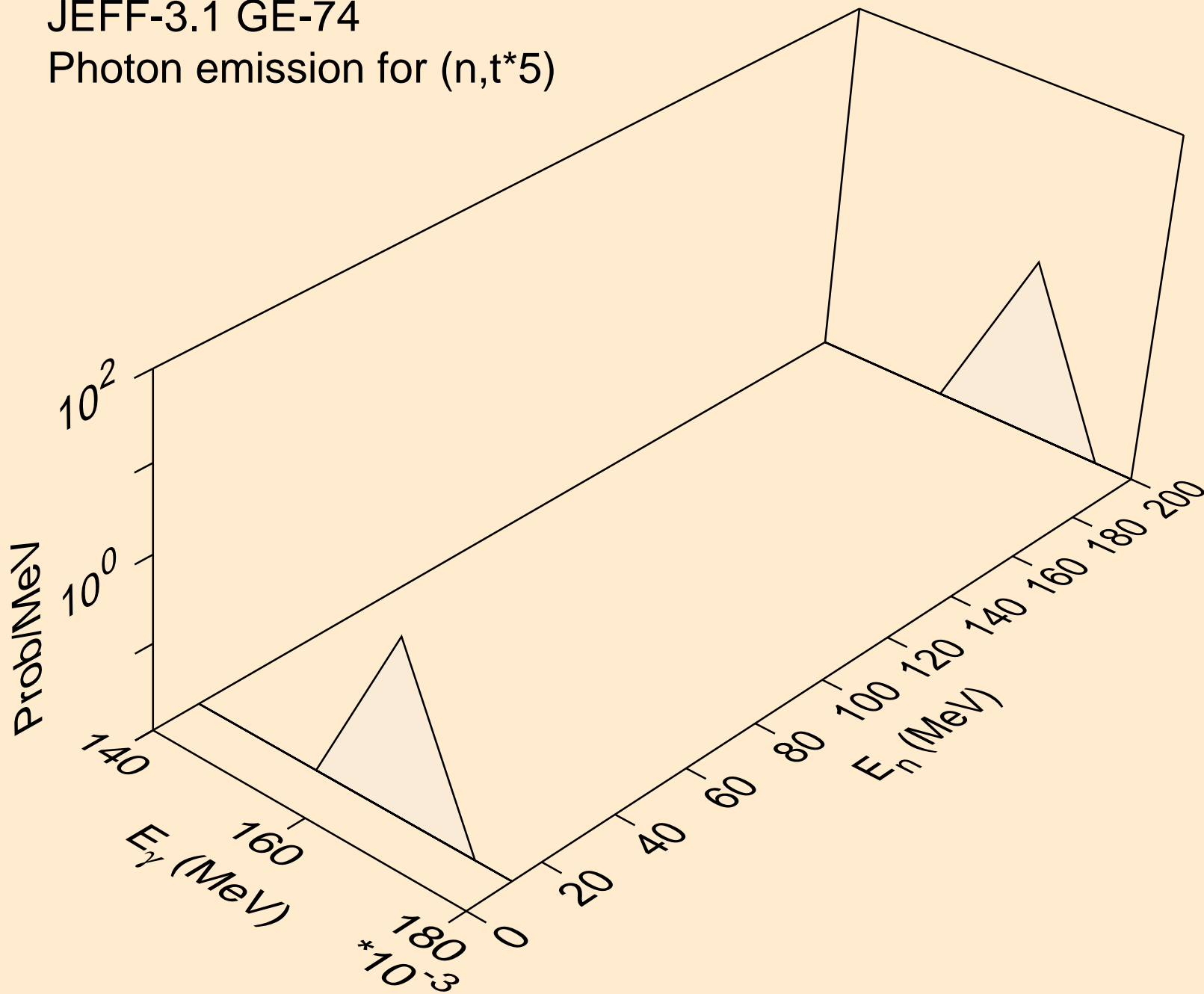
JEFF-3.1 GE-74  
Photon emission for (n,t\*3)



JEFF-3.1 GE-74  
Photon emission for (n,t\*4)

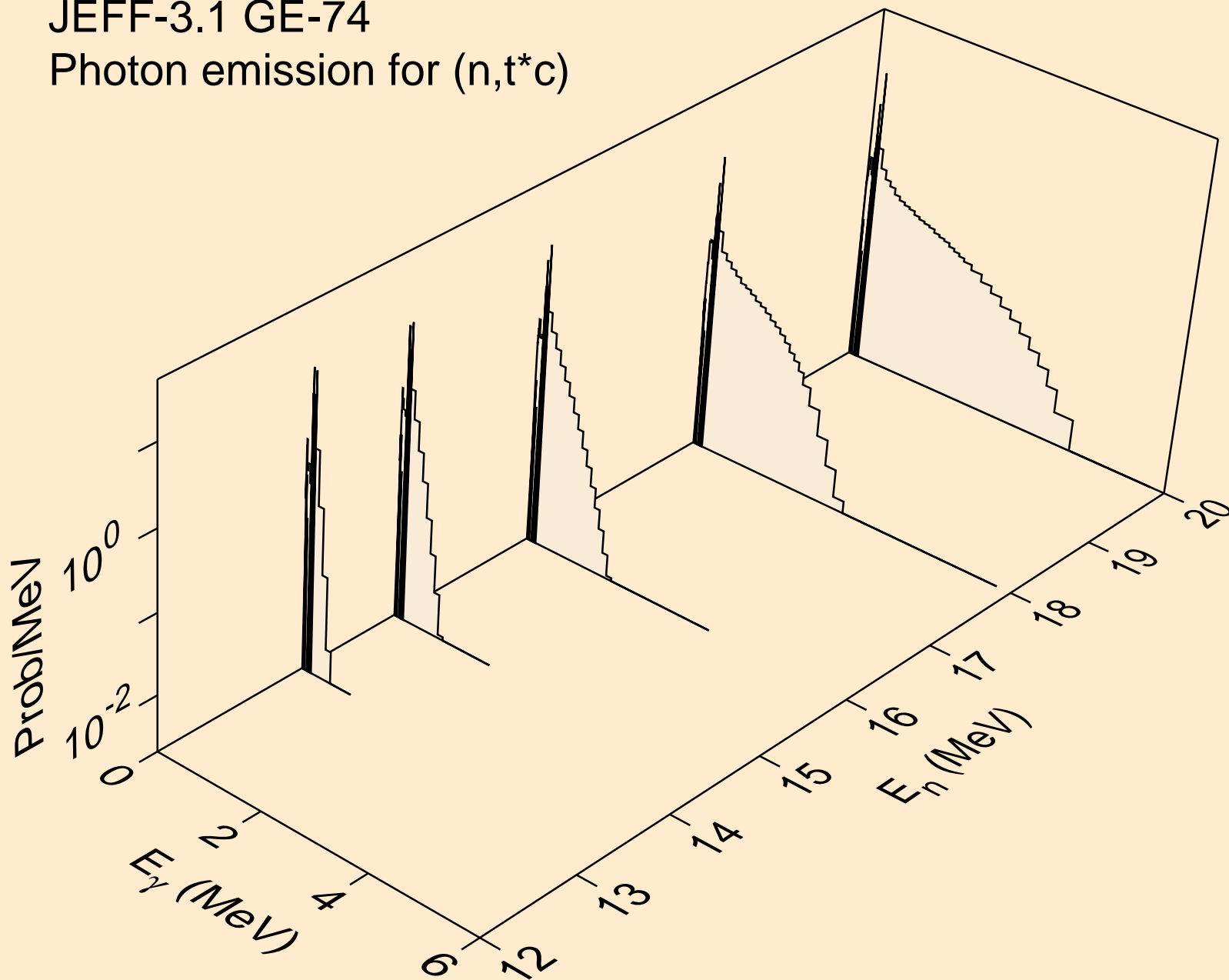


JEFF-3.1 GE-74  
Photon emission for (n,t\*5)



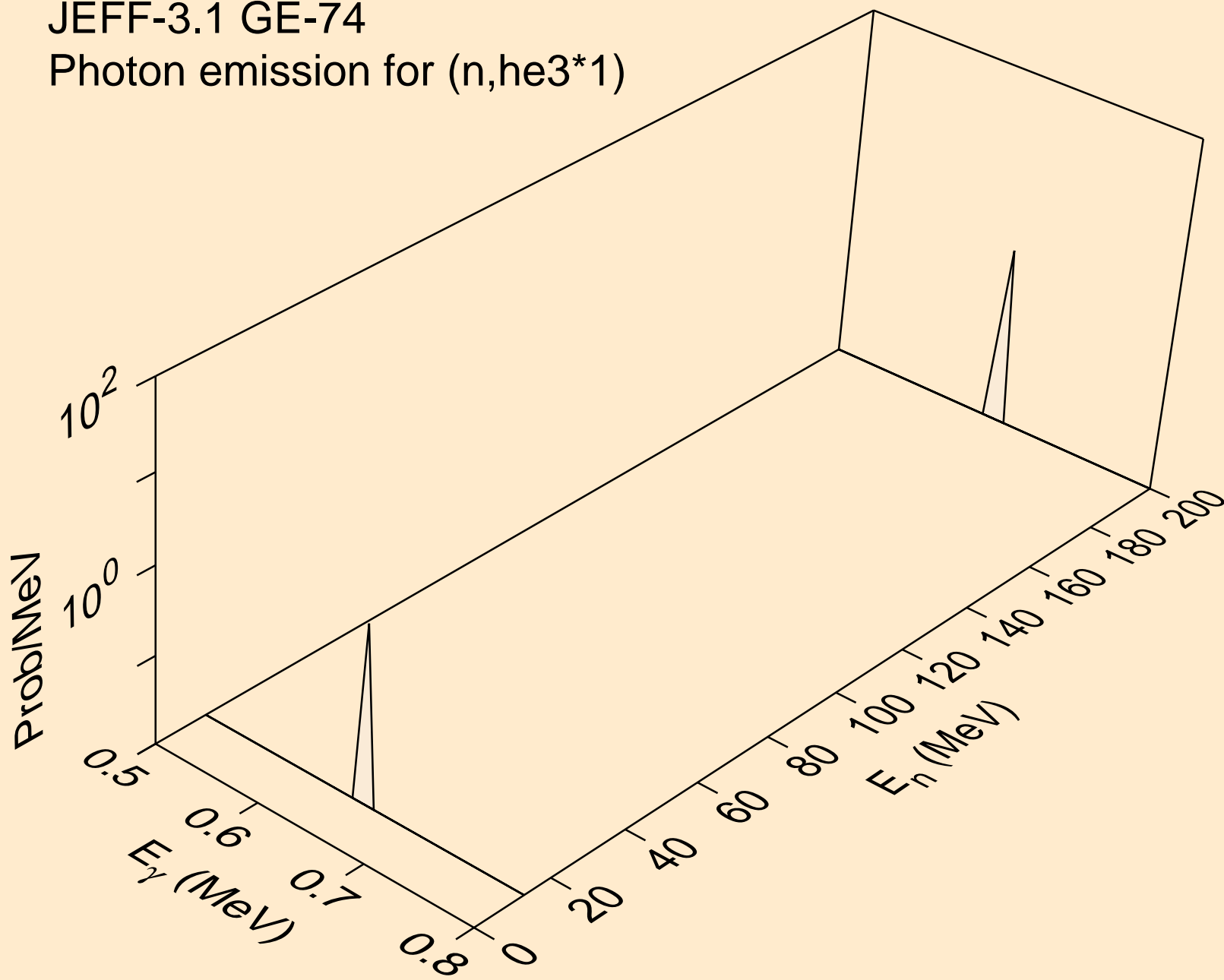
JEFF-3.1 GE-74

Photon emission for (n,t\*c)



JEFF-3.1 GE-74

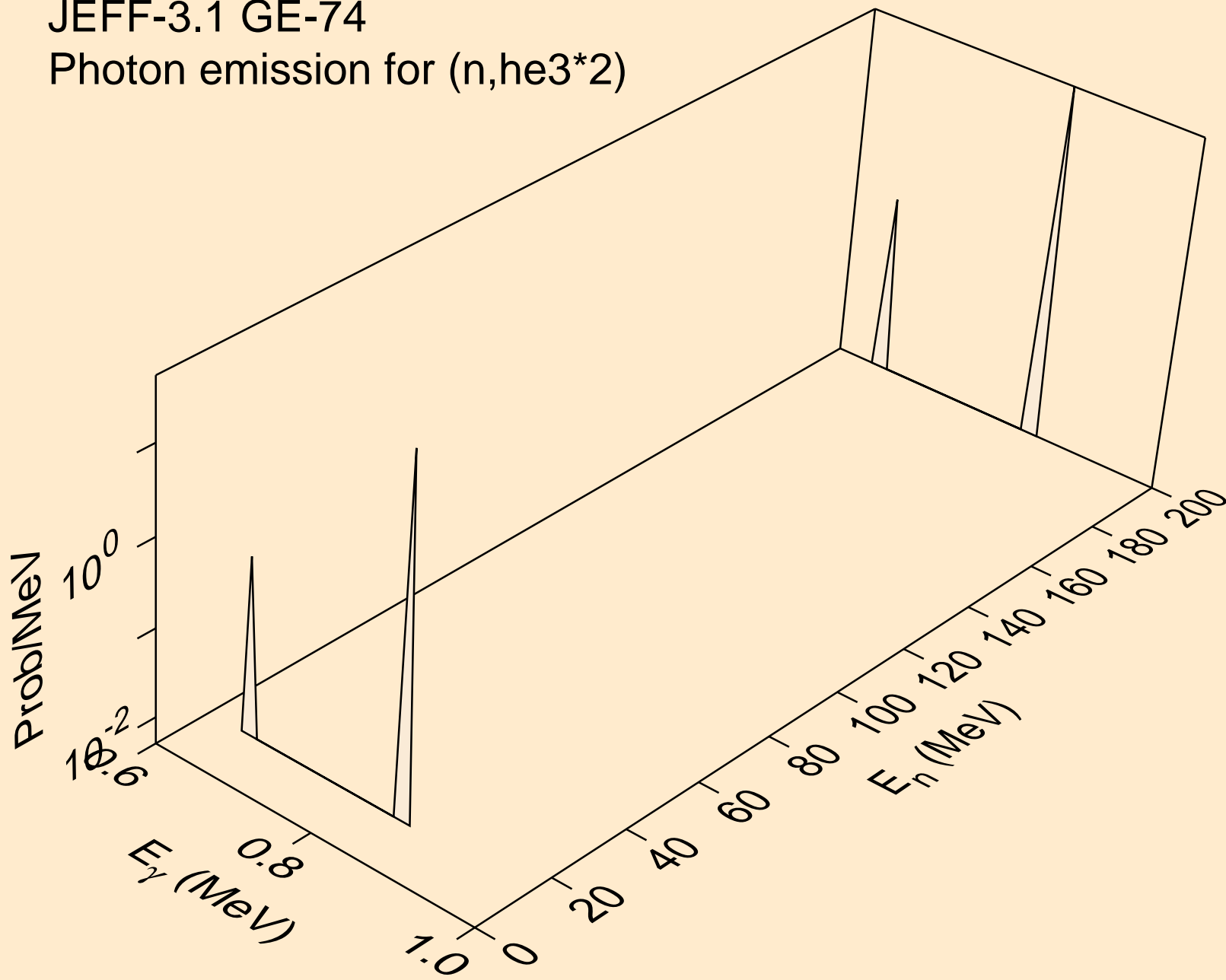
Photon emission for (n,he3\*1)





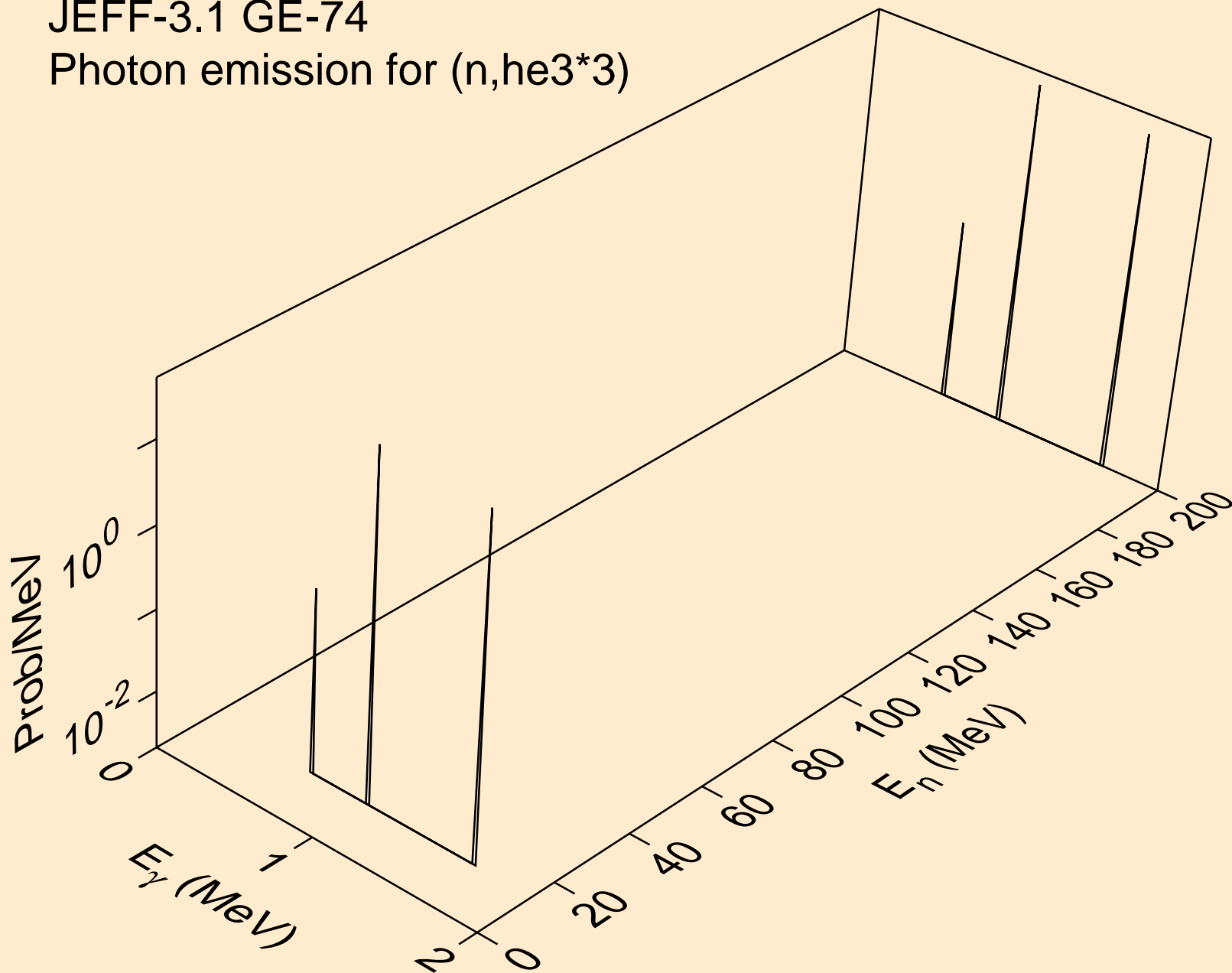
JEFF-3.1 GE-74

Photon emission for (n,he3\*2)



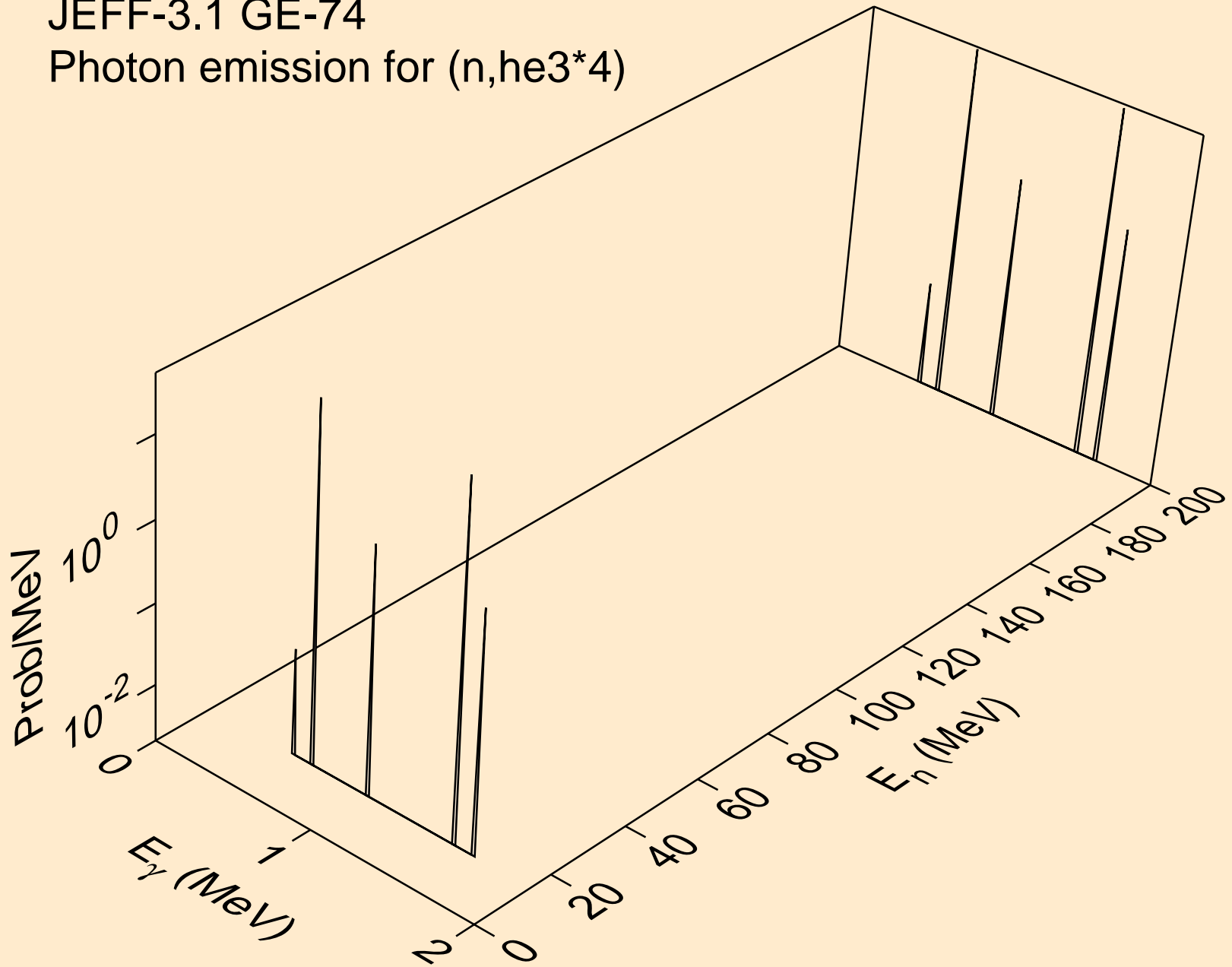
JEFF-3.1 GE-74

Photon emission for (n,he3\*3)

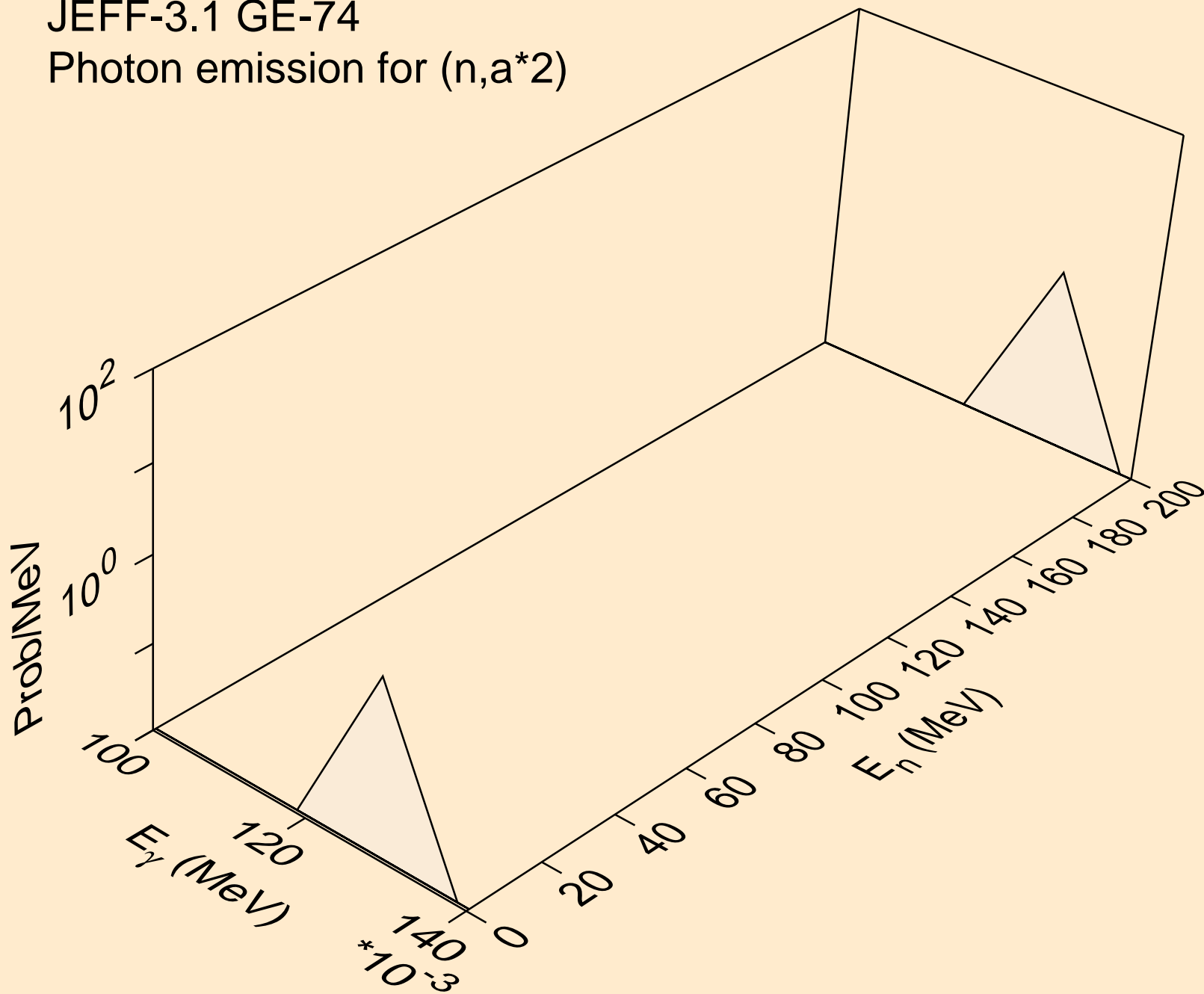


JEFF-3.1 GE-74

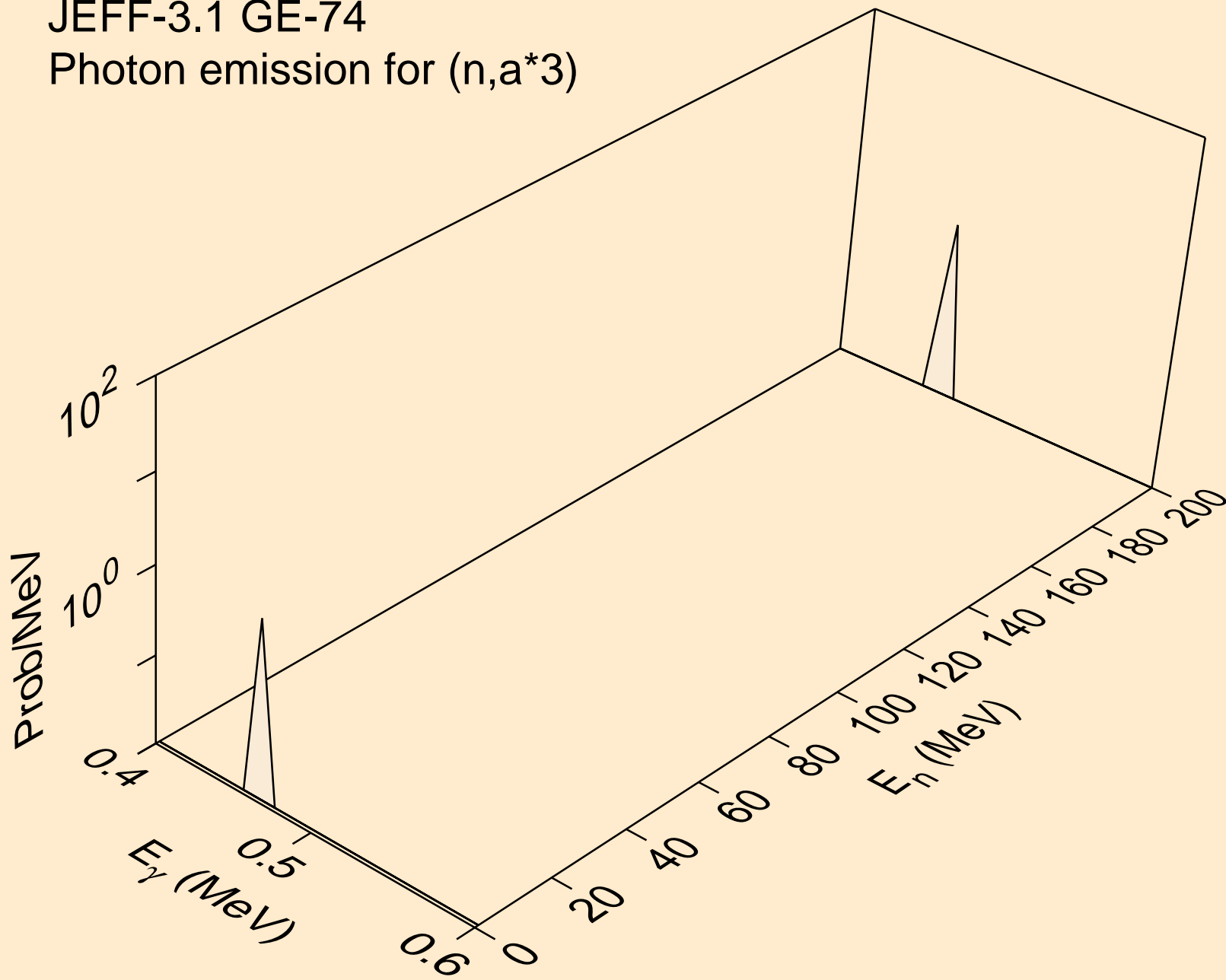
Photon emission for (n,he3\*4)



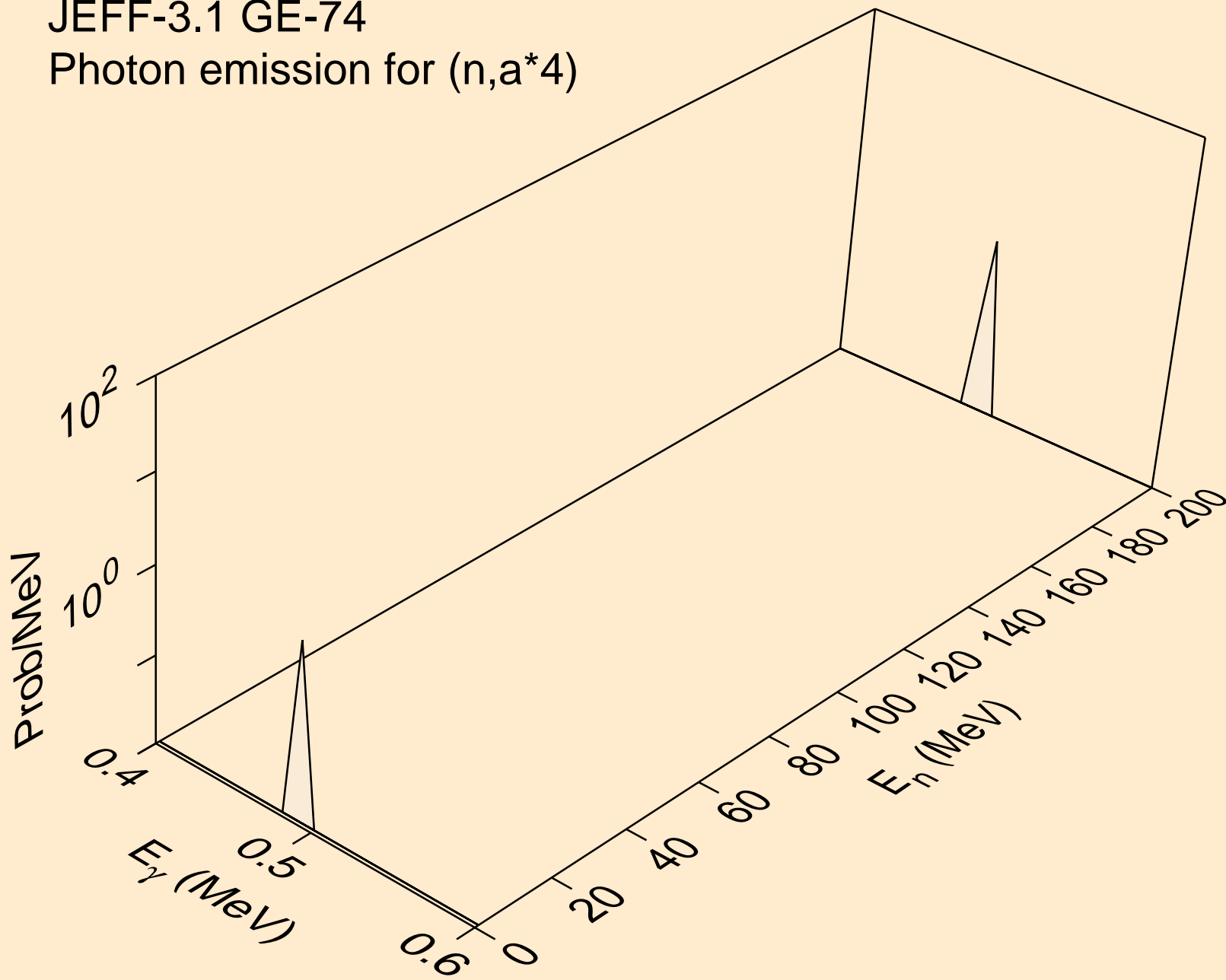
JEFF-3.1 GE-74  
Photon emission for (n,a\*2)



JEFF-3.1 GE-74  
Photon emission for (n,a\*3)

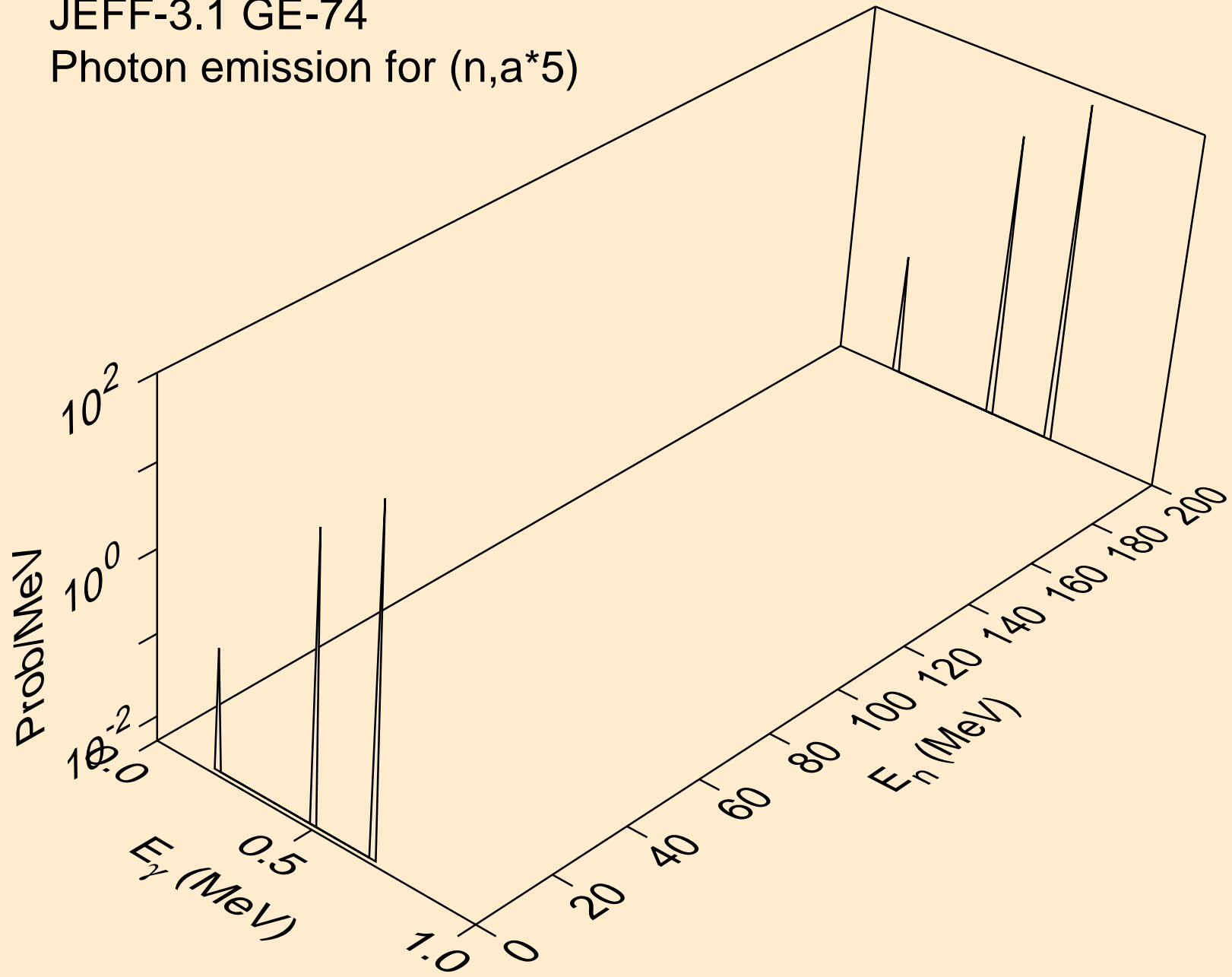


JEFF-3.1 GE-74  
Photon emission for (n,a\*4)

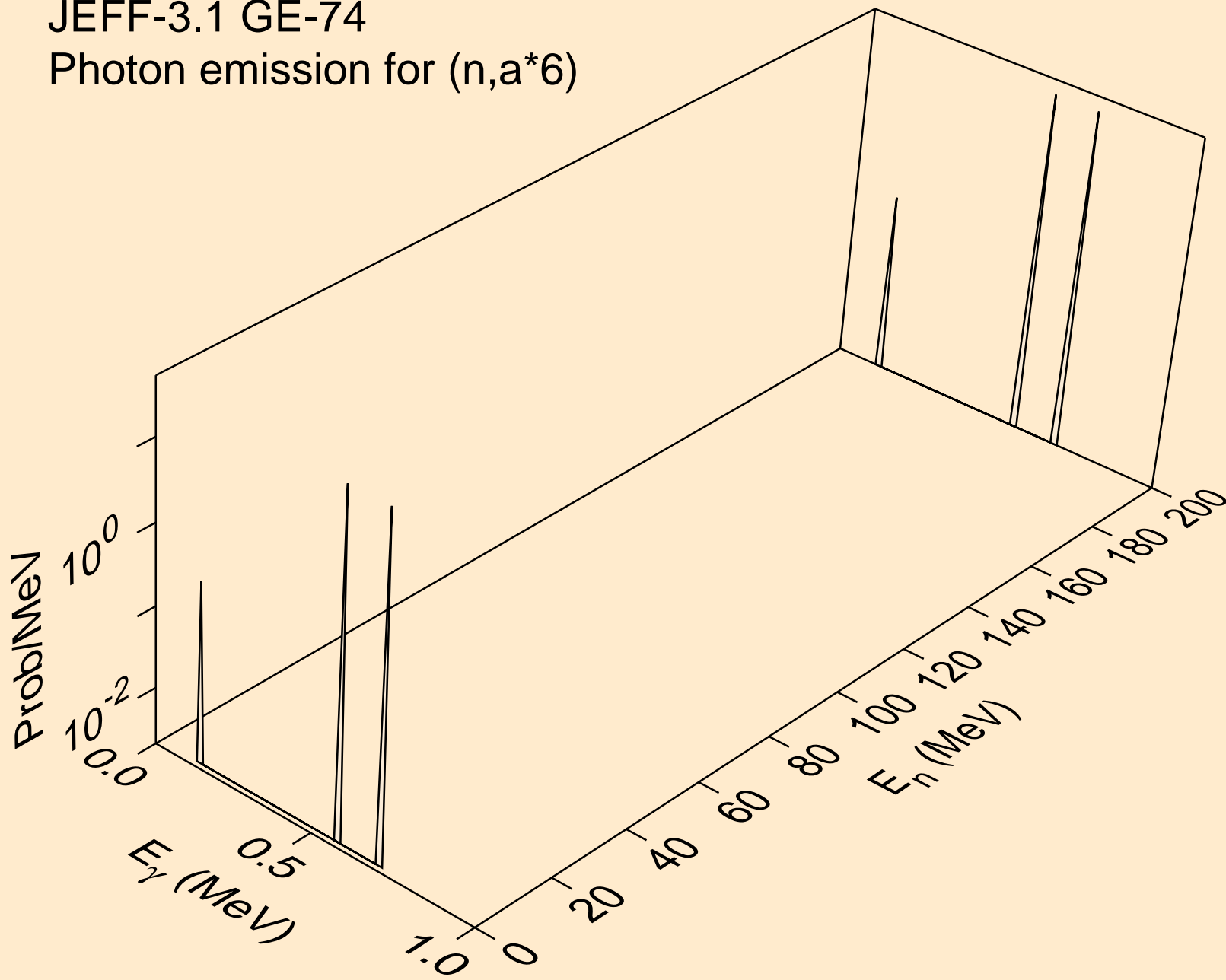


JEFF-3.1 GE-74

Photon emission for (n,a\*5)

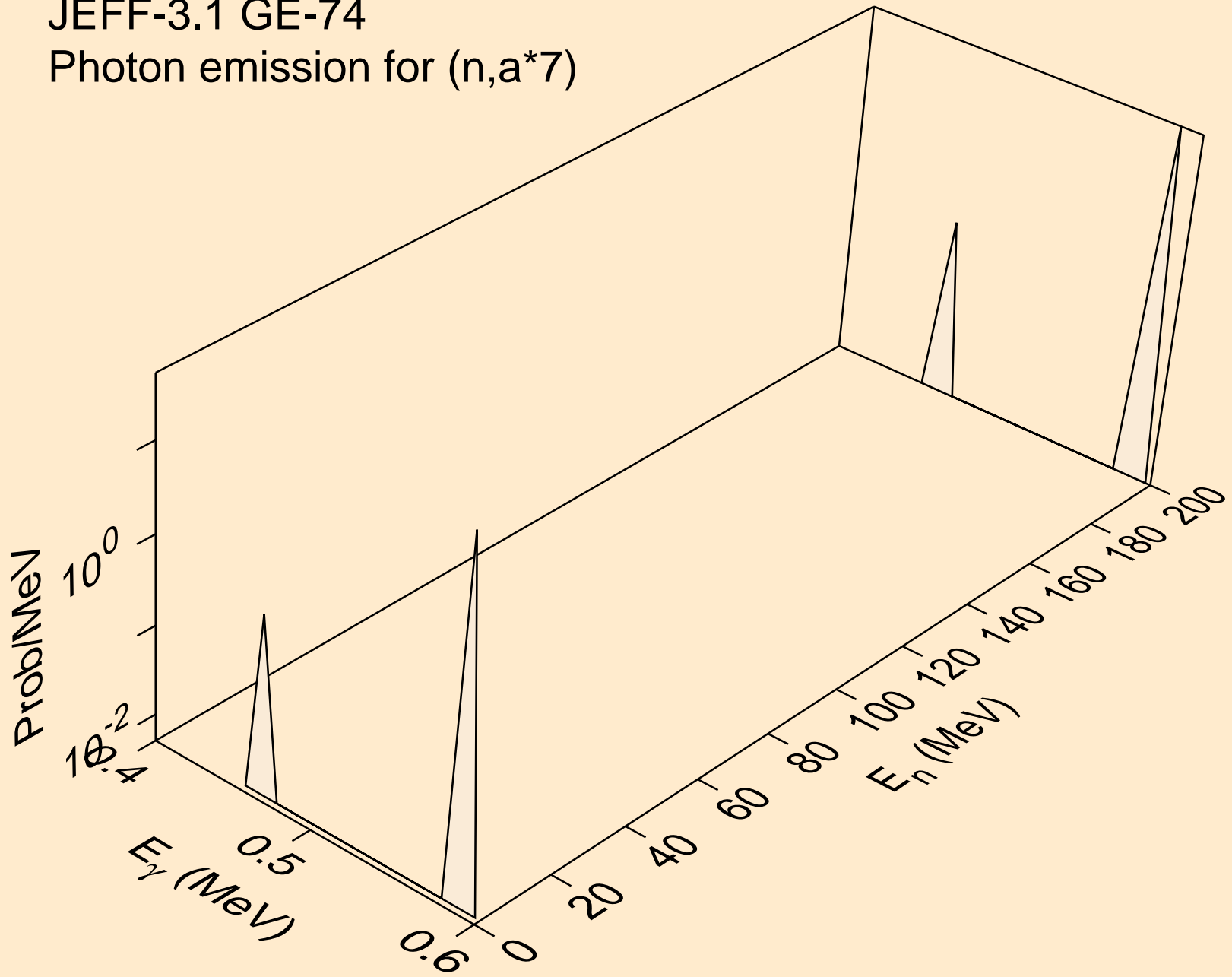


JEFF-3.1 GE-74  
Photon emission for (n,a\*6)

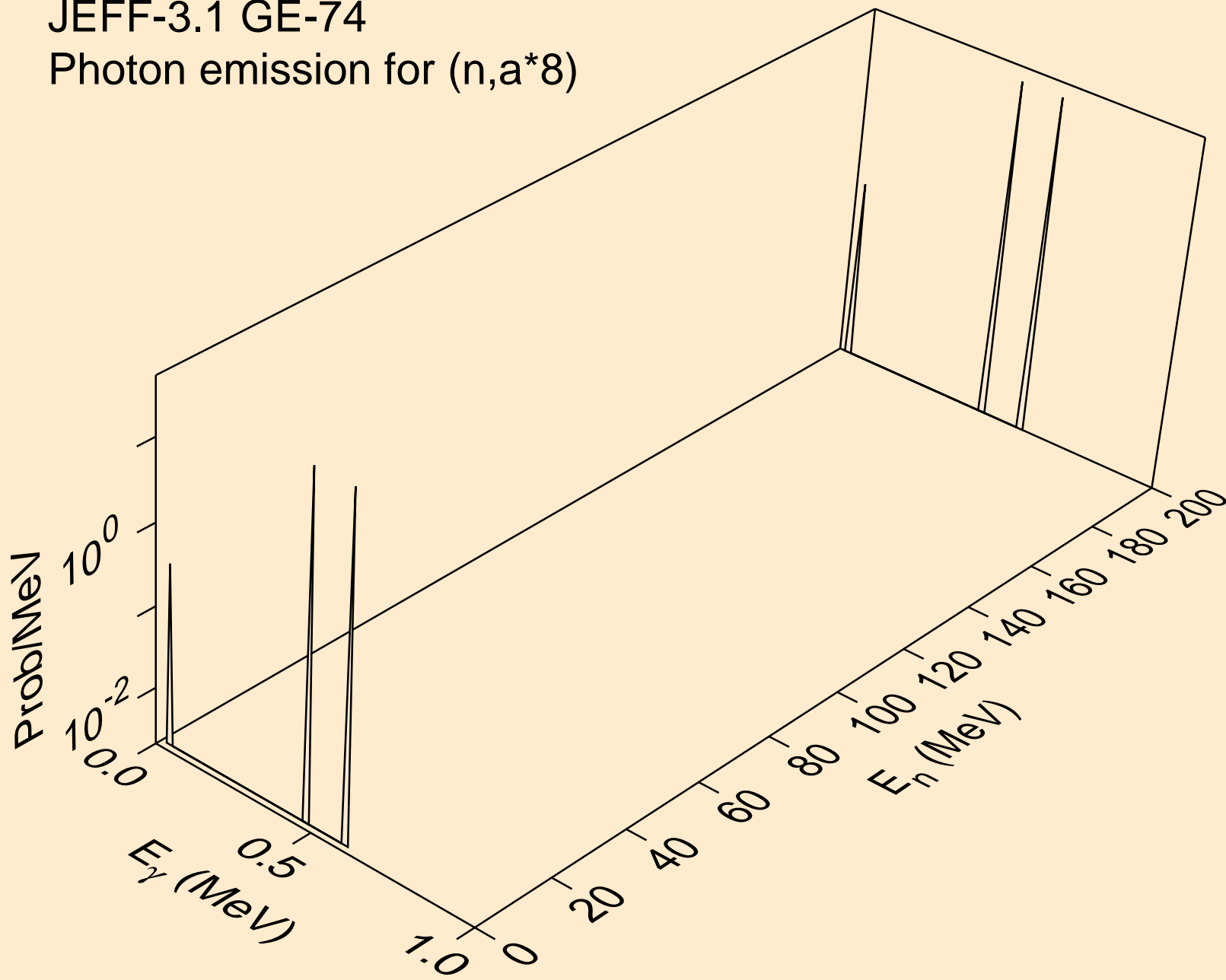




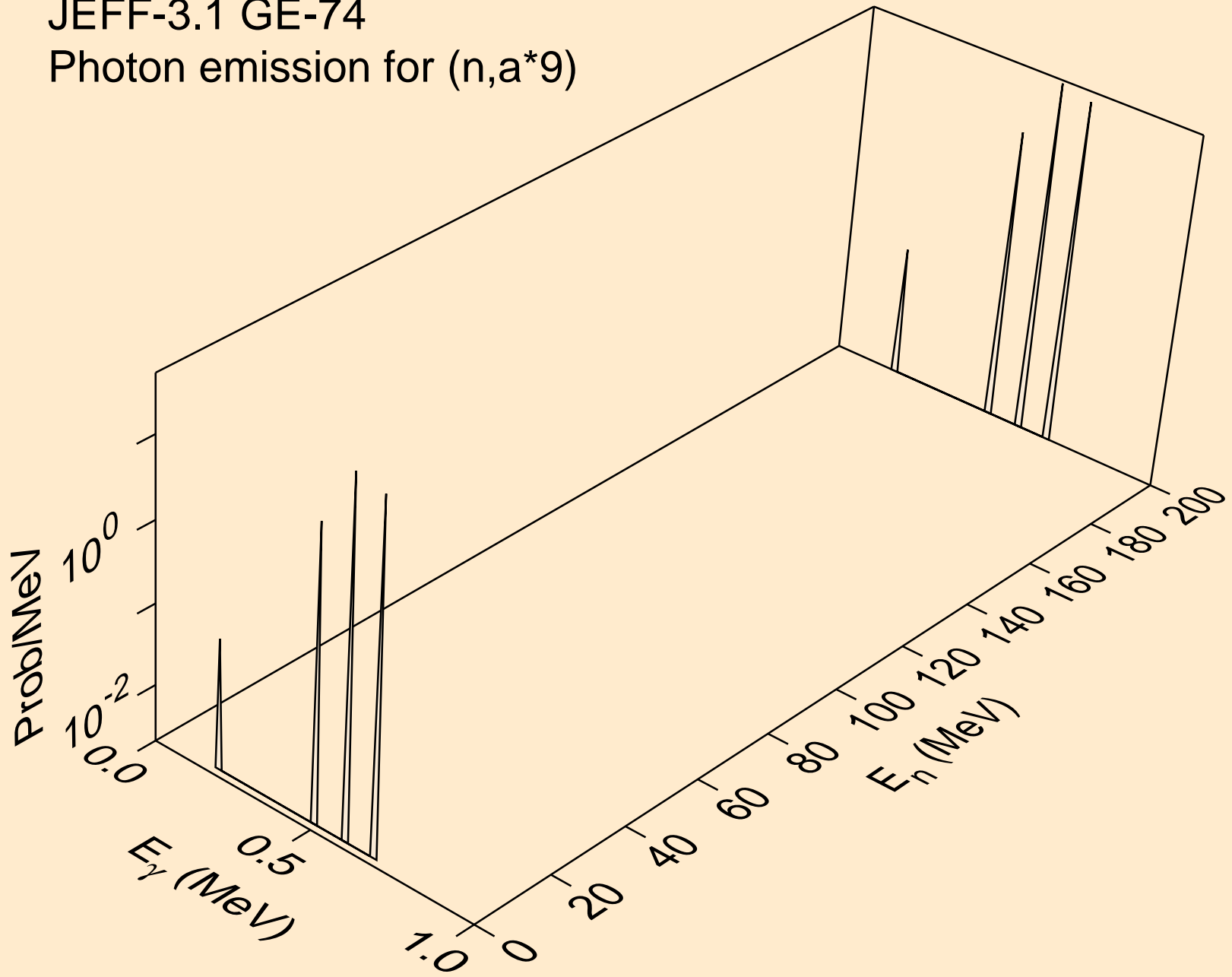
JEFF-3.1 GE-74  
Photon emission for (n,a\*7)



JEFF-3.1 GE-74  
Photon emission for (n,a\*8)

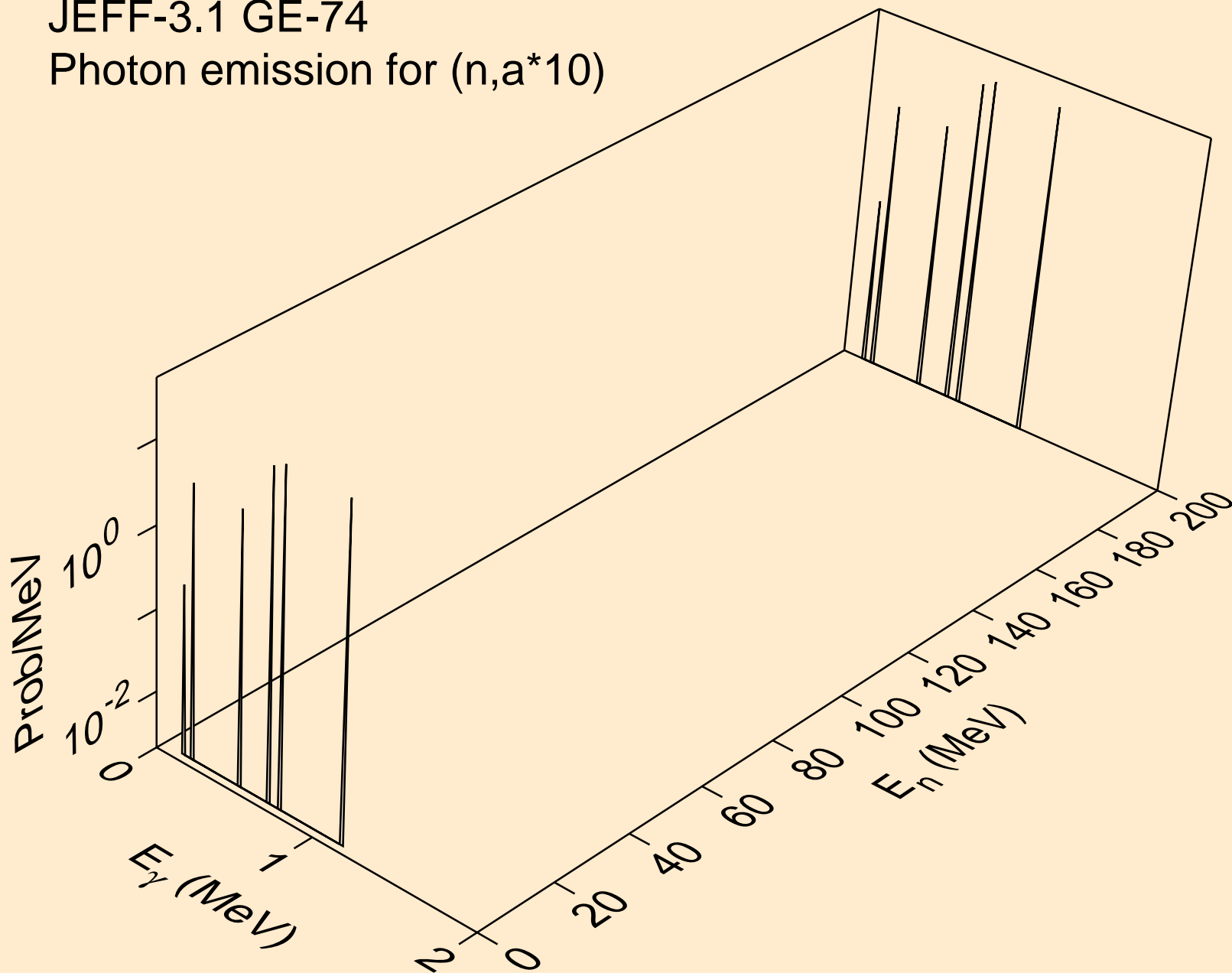


JEFF-3.1 GE-74  
Photon emission for (n,a\*9)

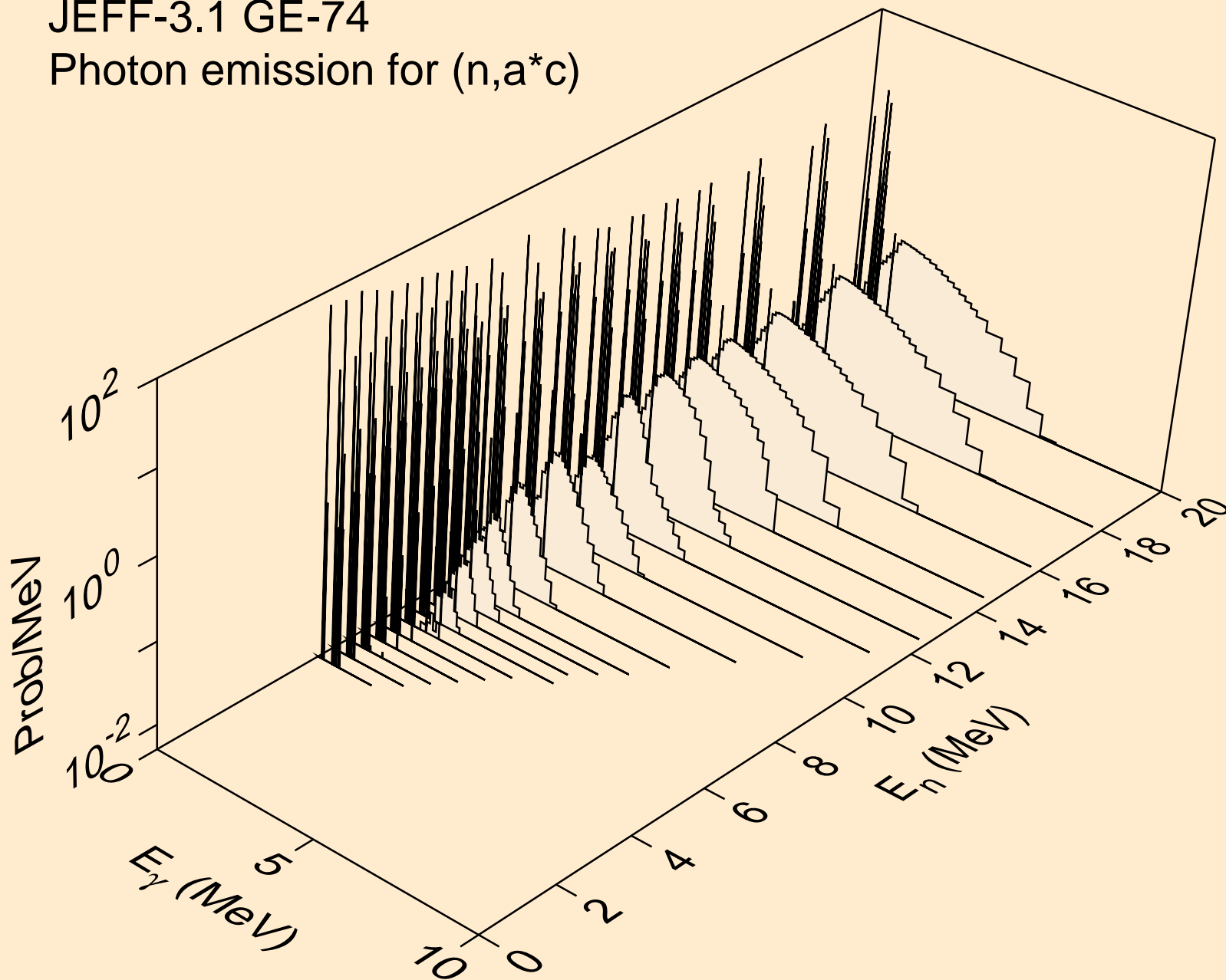


JEFF-3.1 GE-74

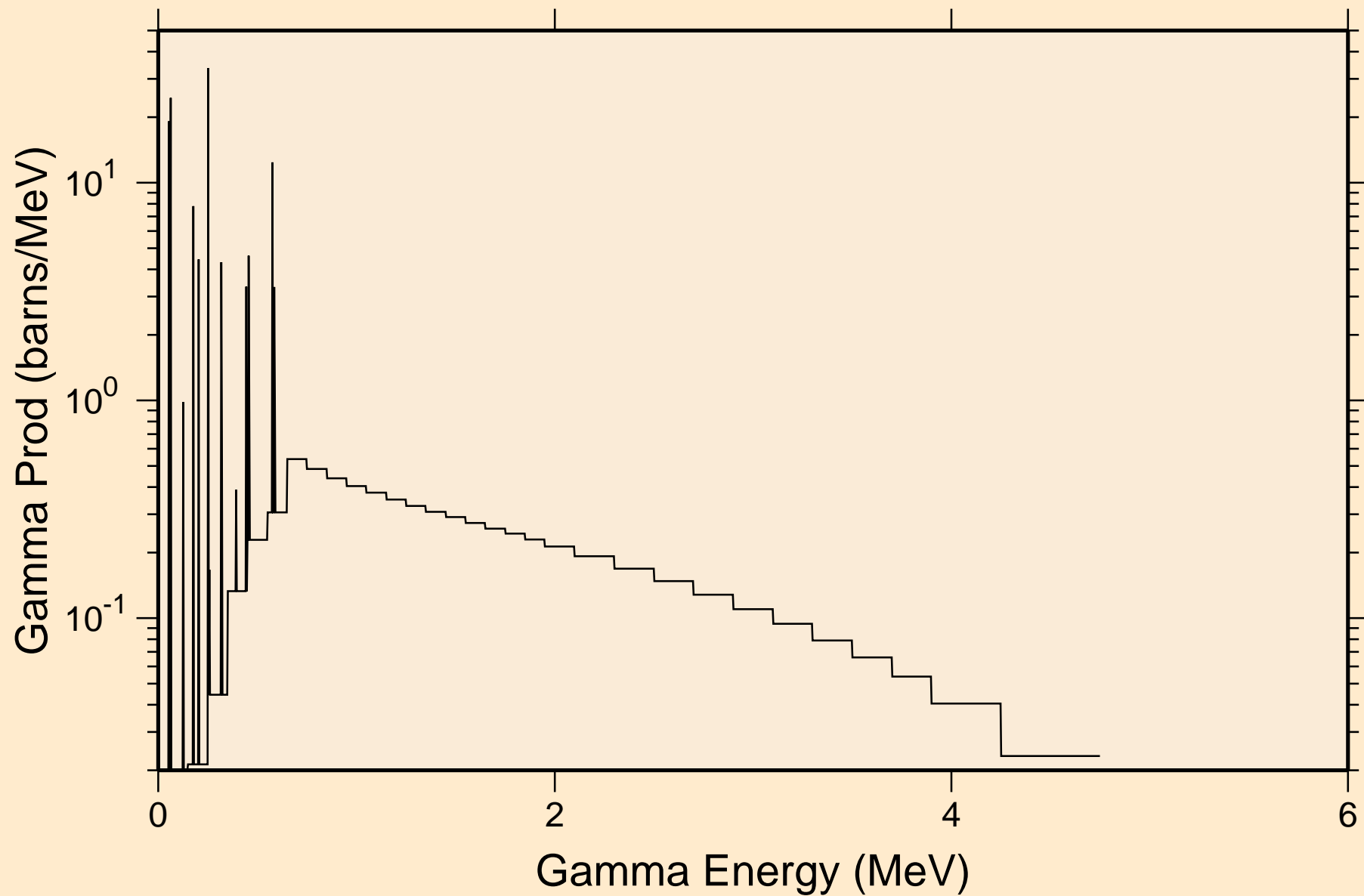
Photon emission for (n,a\*10)



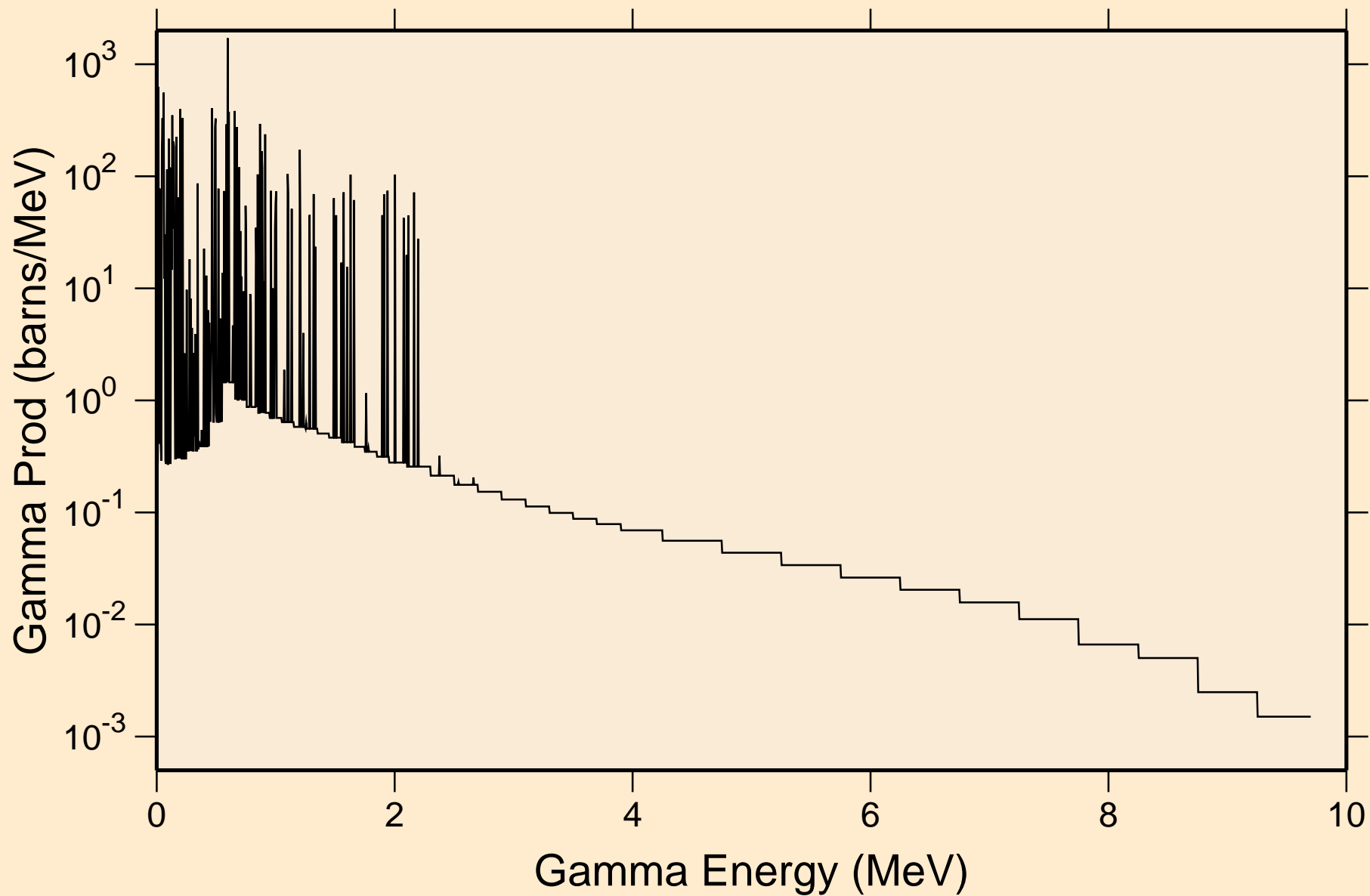
JEFF-3.1 GE-74  
Photon emission for (n,a\*c)



JEFF-3.1 GE-74  
thermal capture photon spectrum

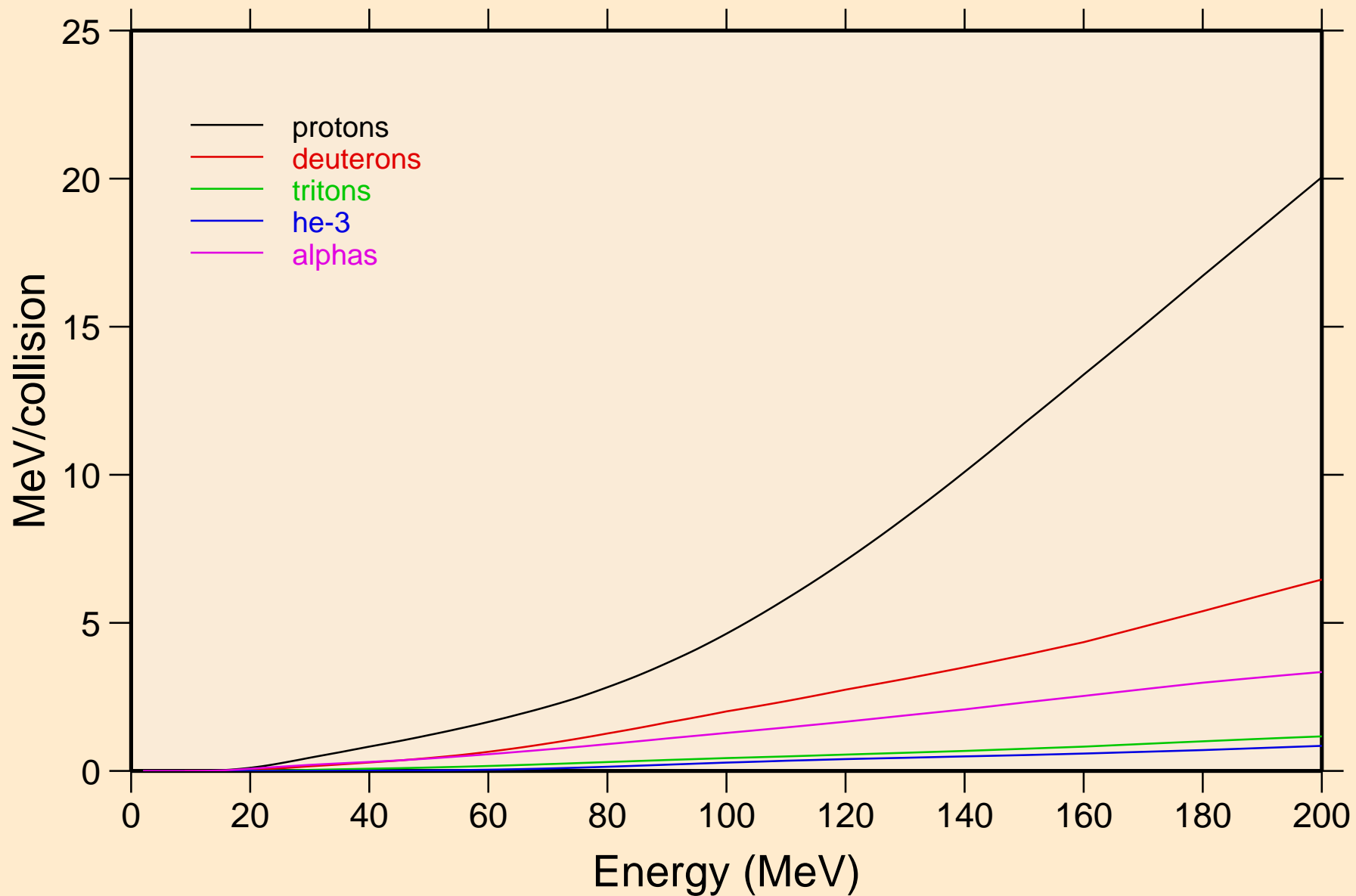


JEFF-3.1 GE-74  
14 MeV photon spectrum



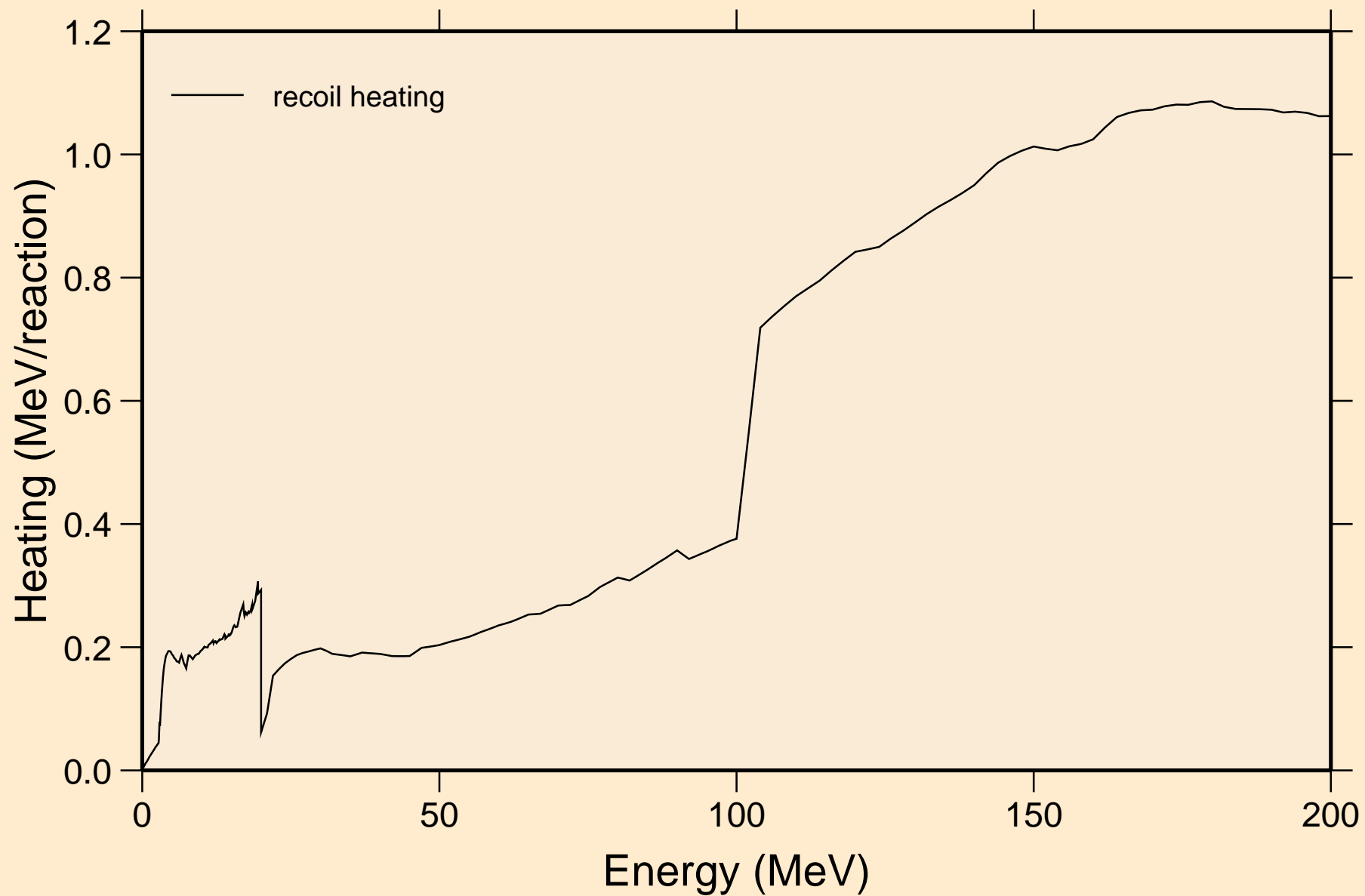
# JEFF-3.1 GE-74

## Particle heating contributions



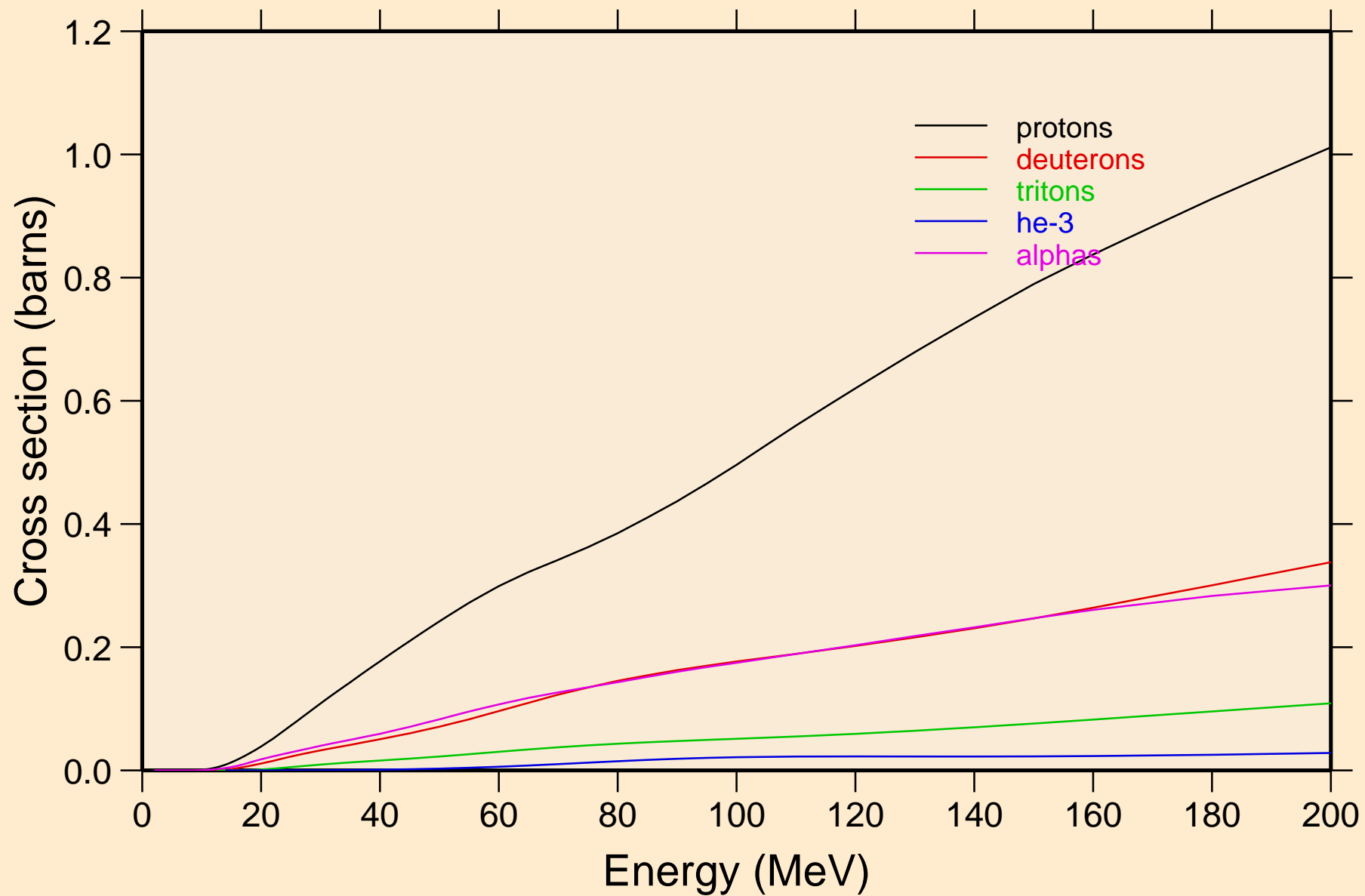


# JEFF-3.1 GE-74 Recoil Heating

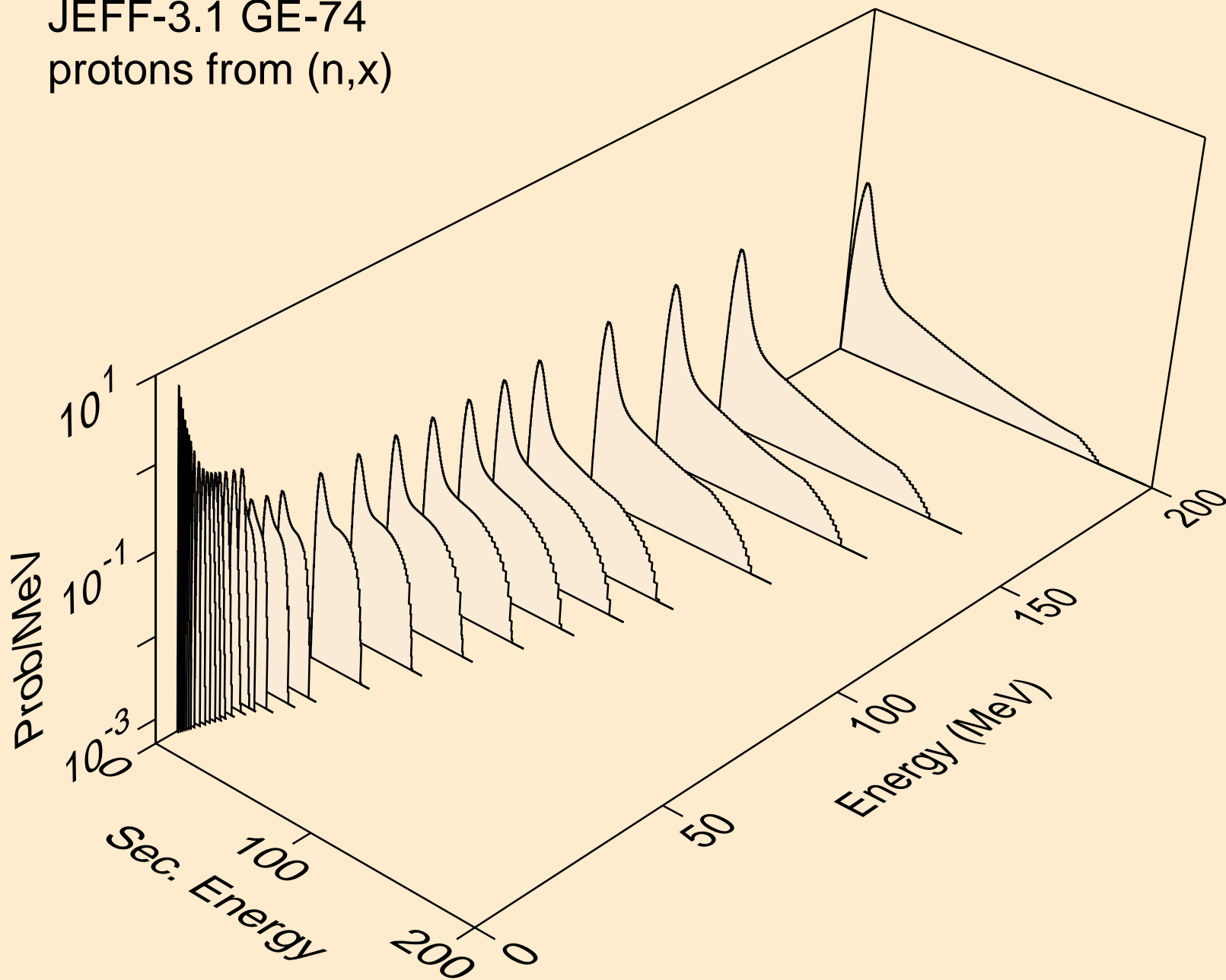


# JEFF-3.1 GE-74

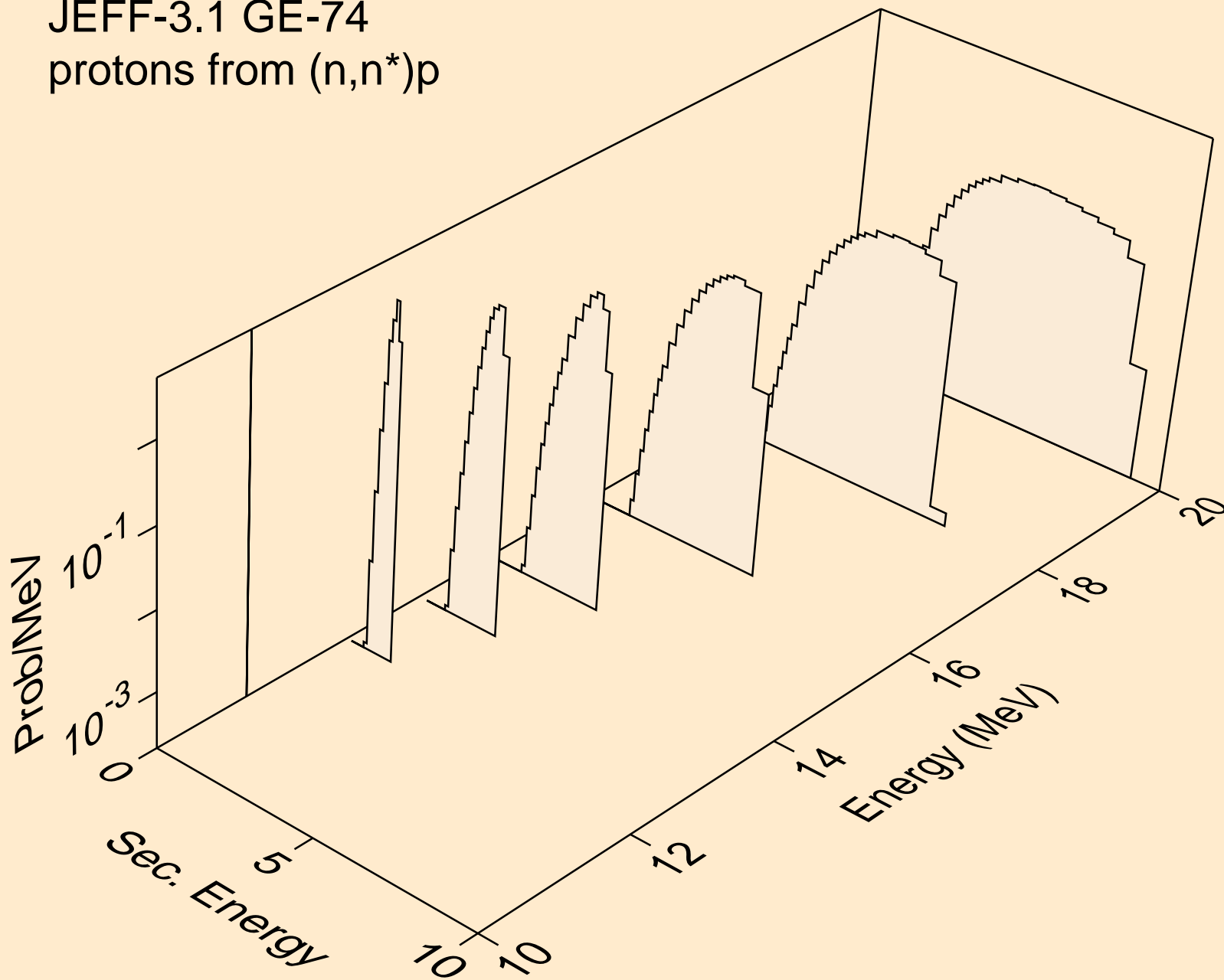
## Particle production cross sections



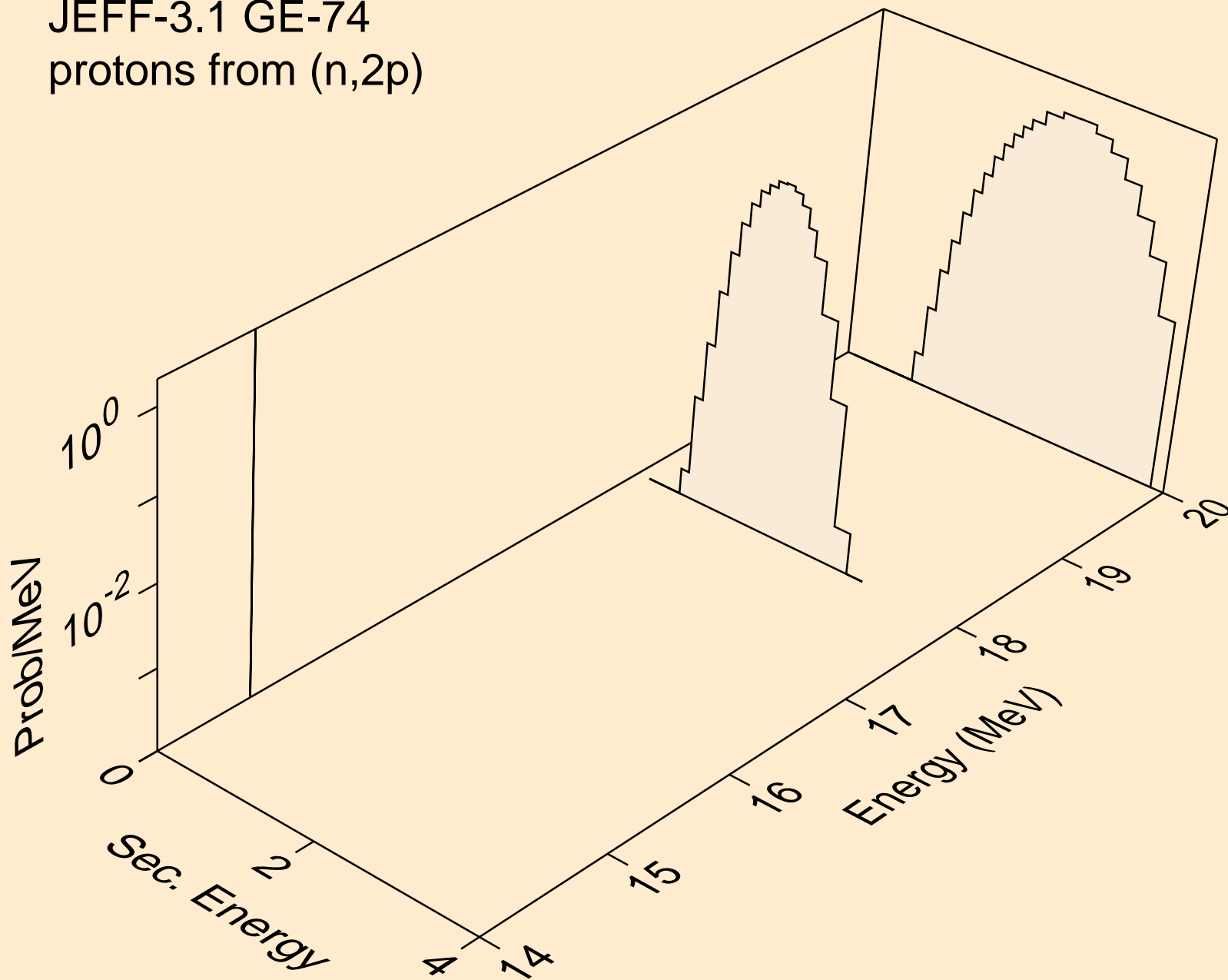
JEFF-3.1 GE-74  
protons from (n,x)



JEFF-3.1 GE-74  
protons from (n,n\*)p

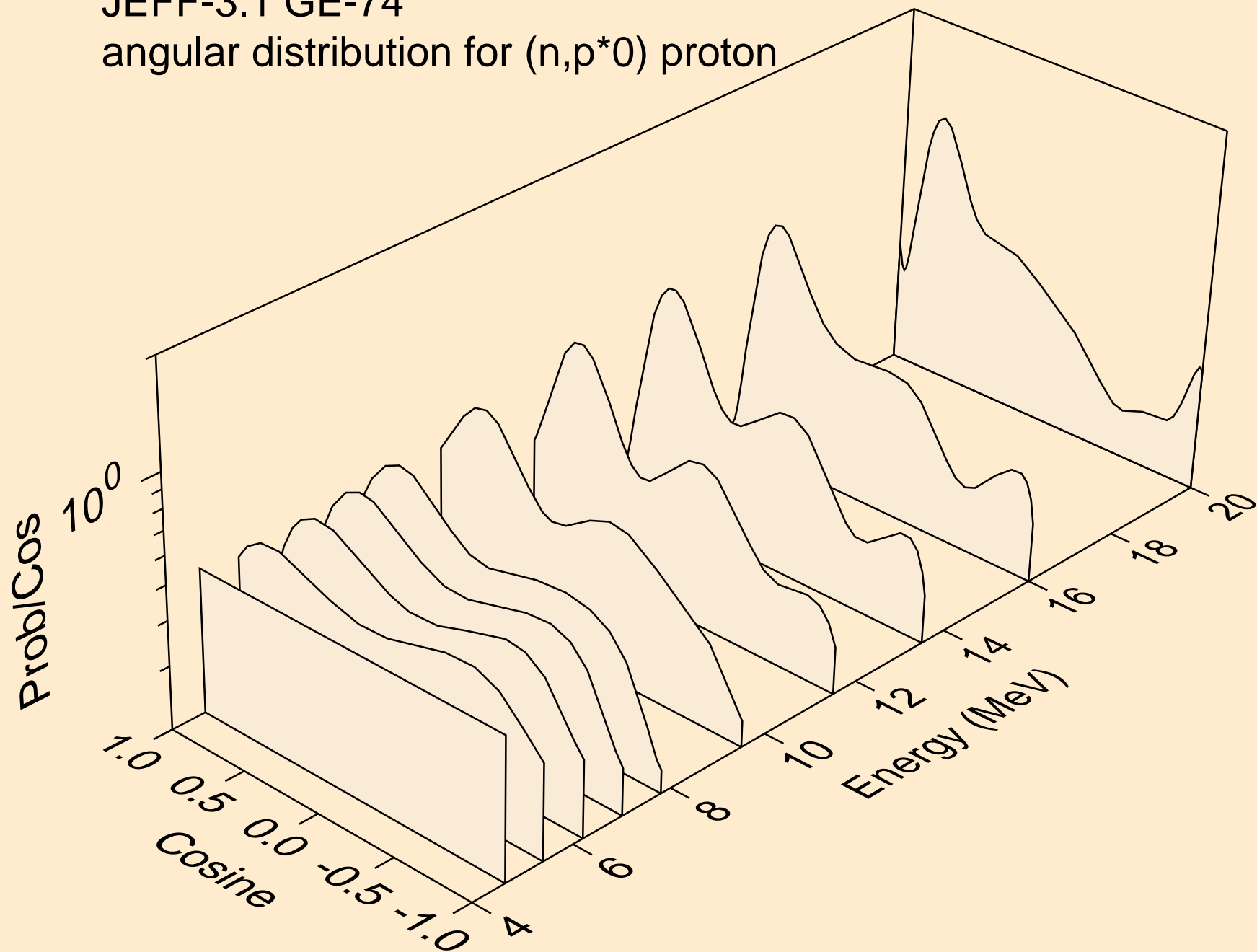


JEFF-3.1 GE-74  
protons from (n,2p)



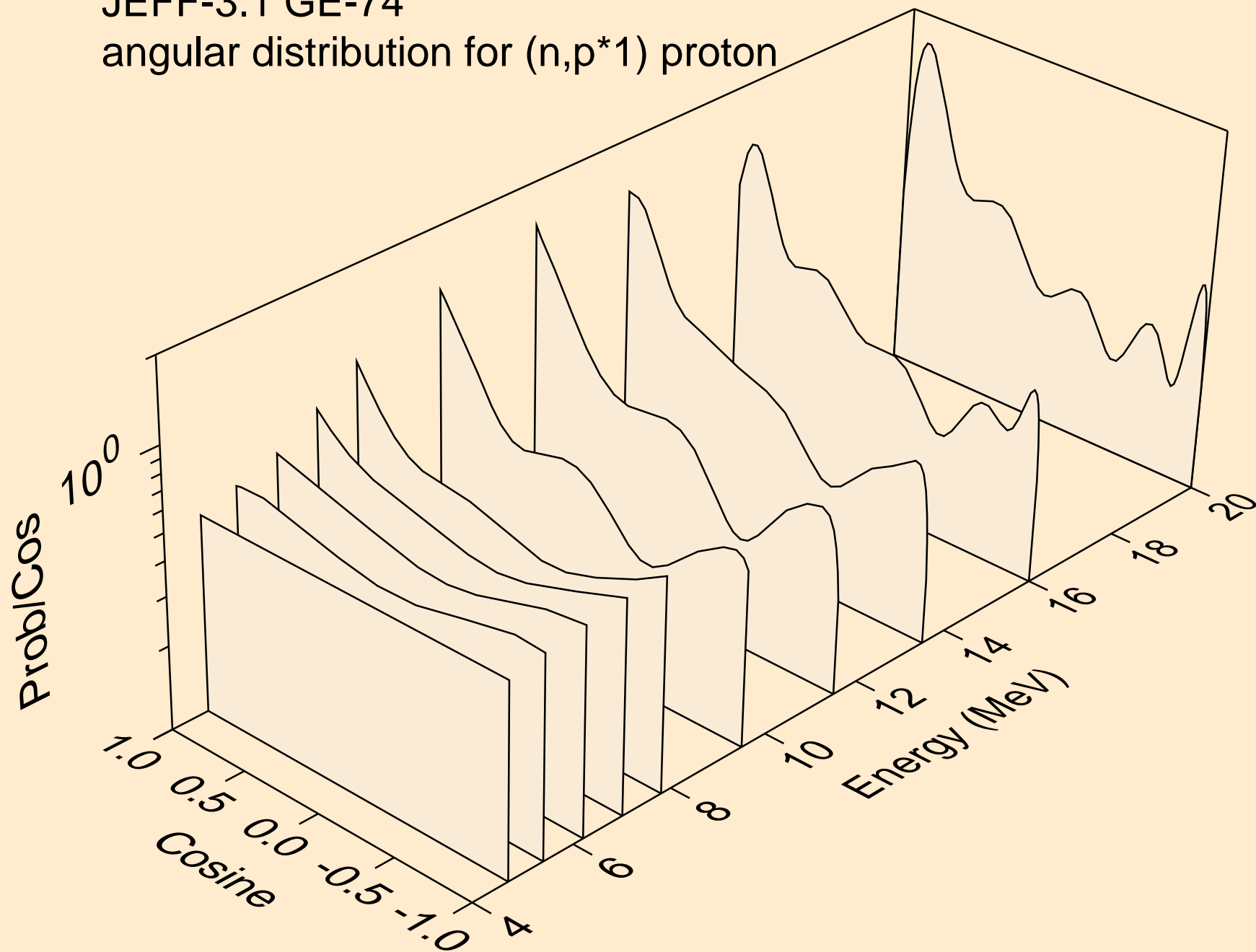
JEFF-3.1 GE-74

angular distribution for (n,p\*0) proton



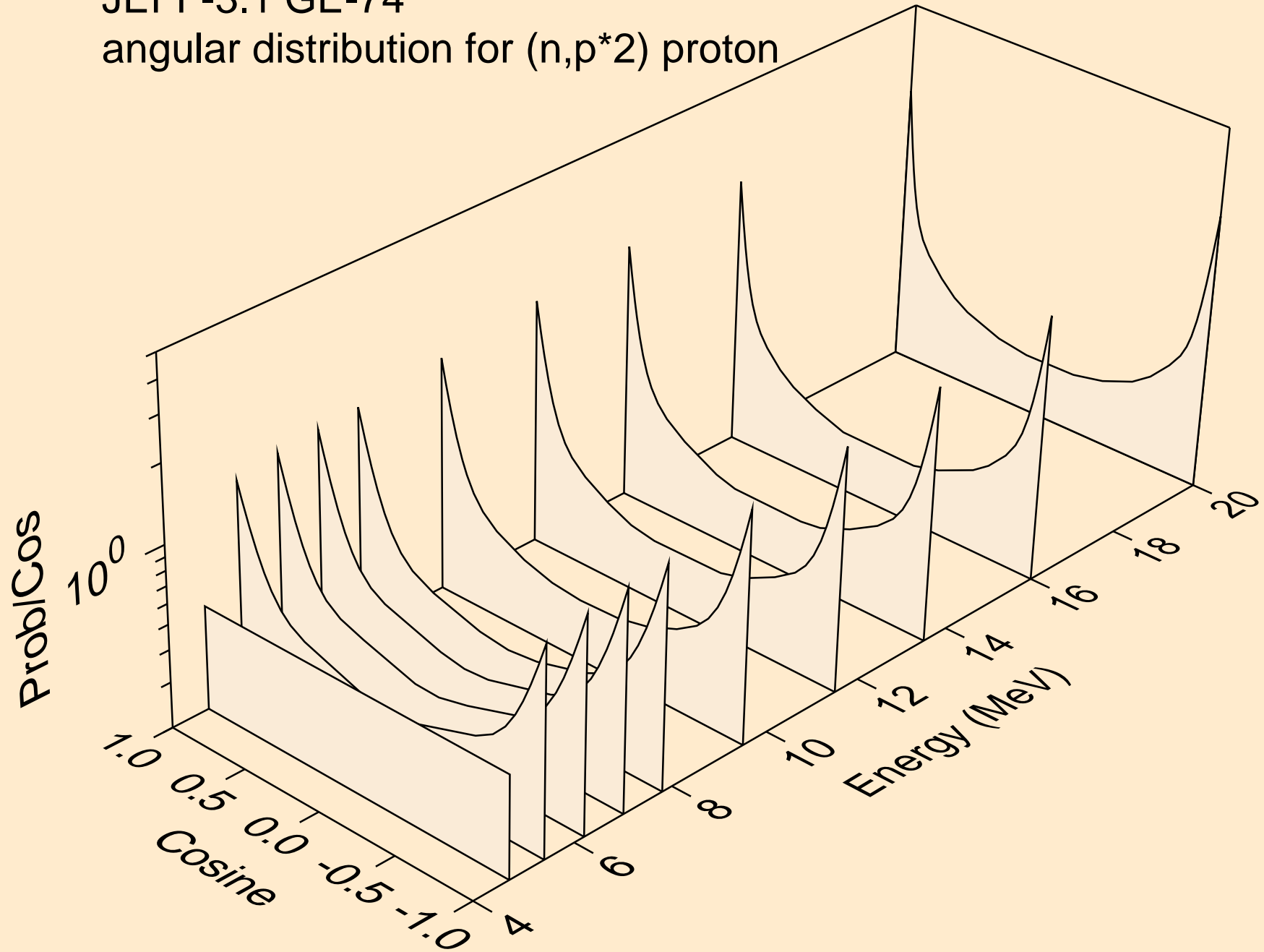
JEFF-3.1 GE-74

angular distribution for (n,p\*1) proton



JEFF-3.1 GE-74

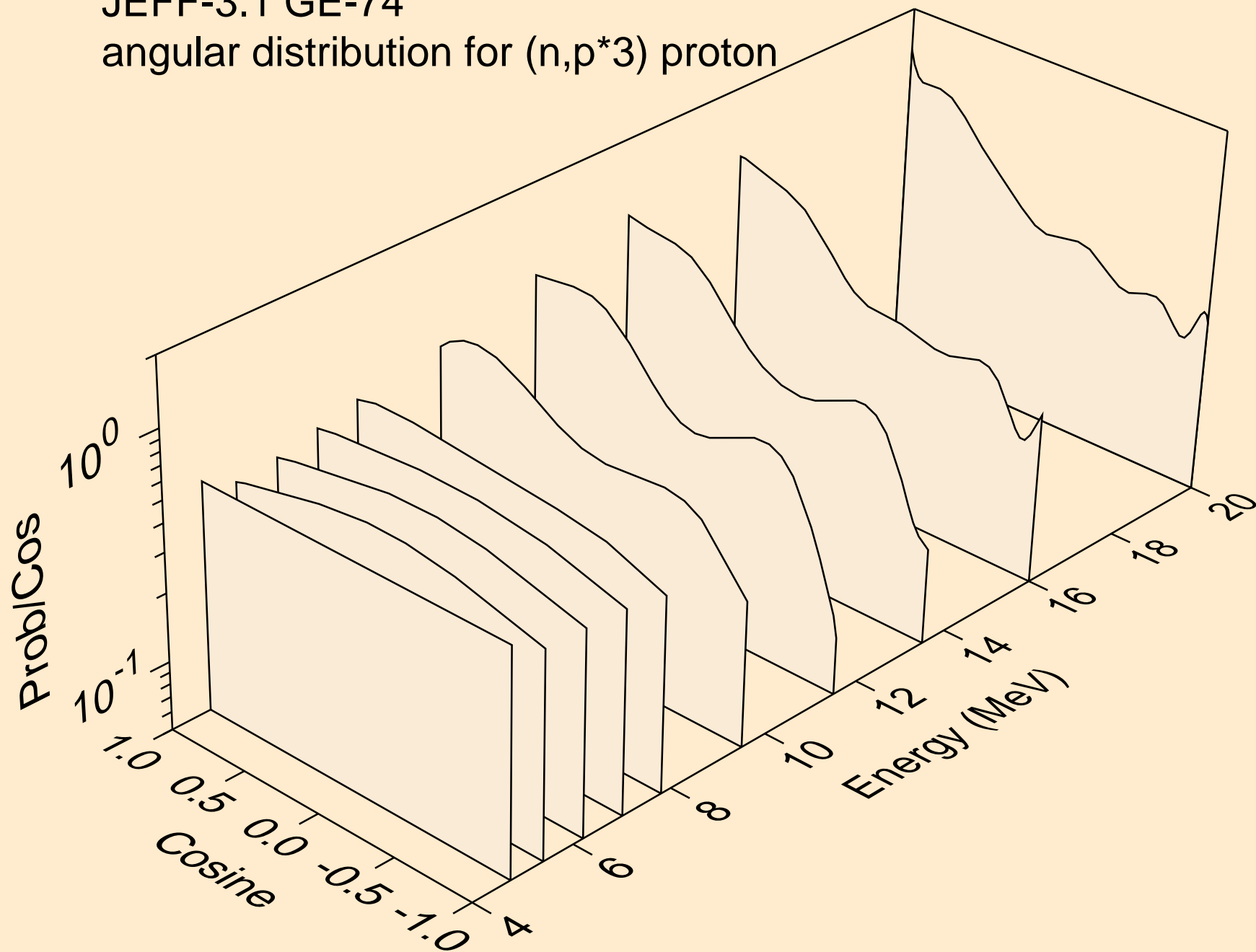
angular distribution for (n,p\*2) proton





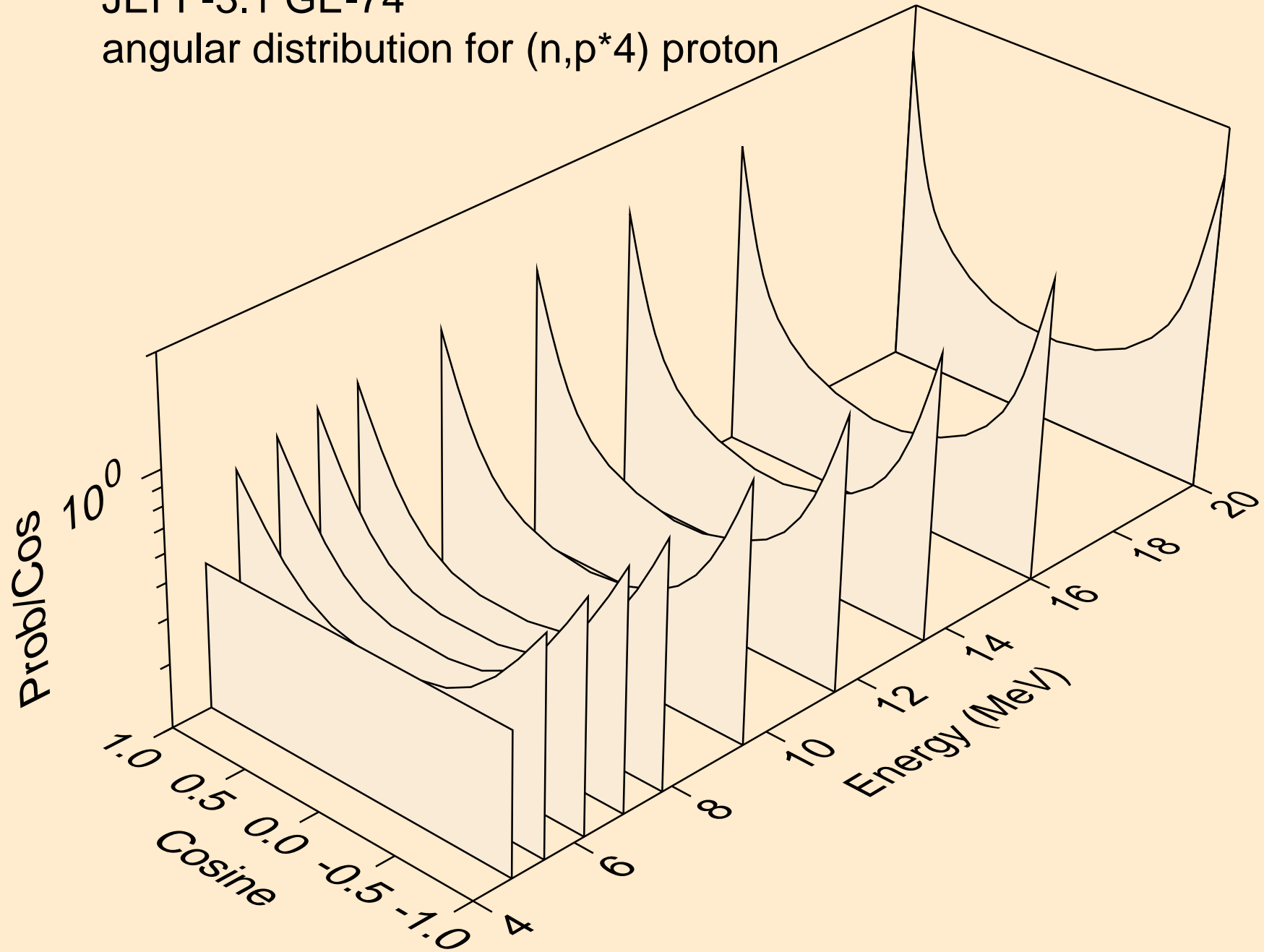
JEFF-3.1 GE-74

angular distribution for (n,p\*3) proton



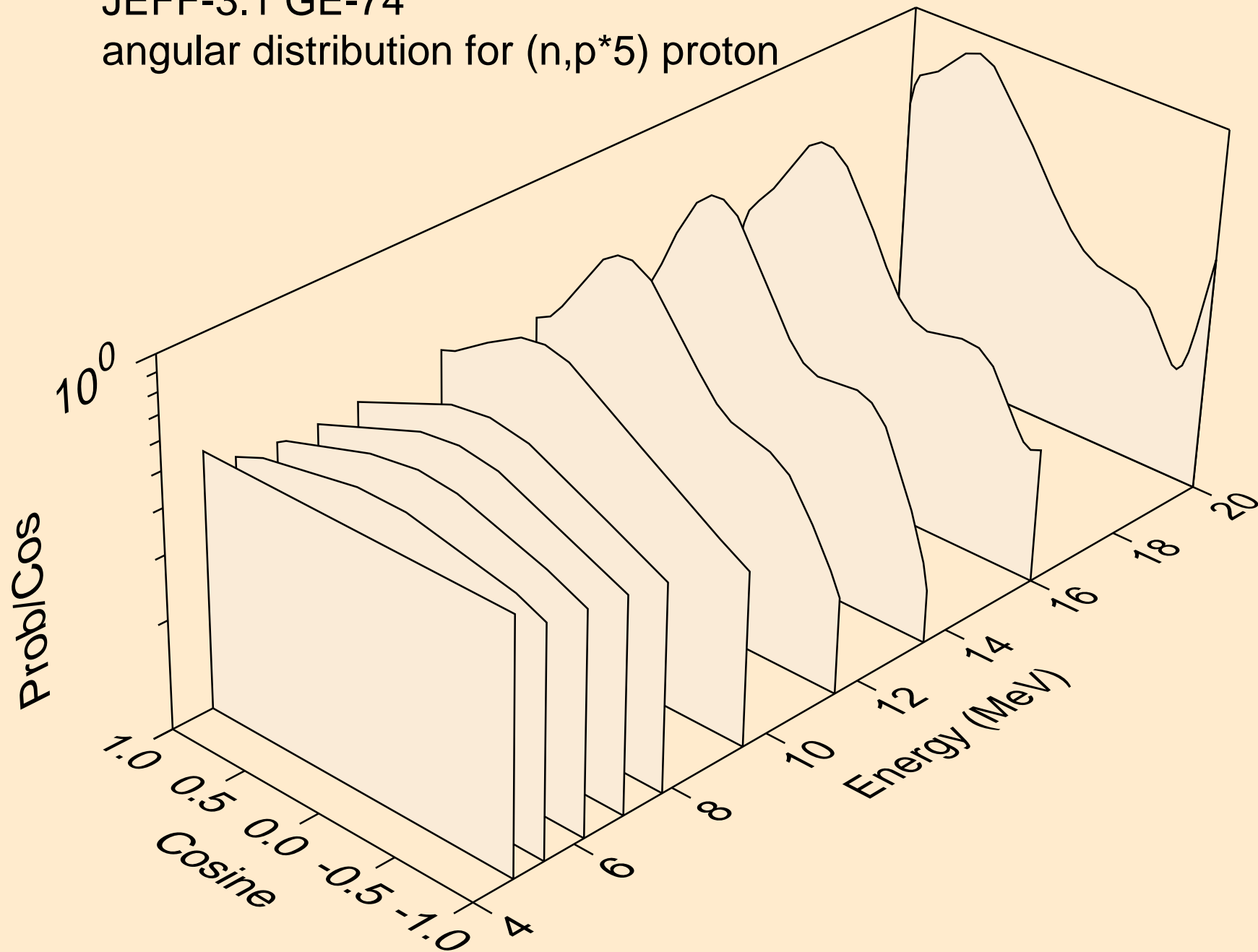
JEFF-3.1 GE-74

angular distribution for (n,p\*4) proton



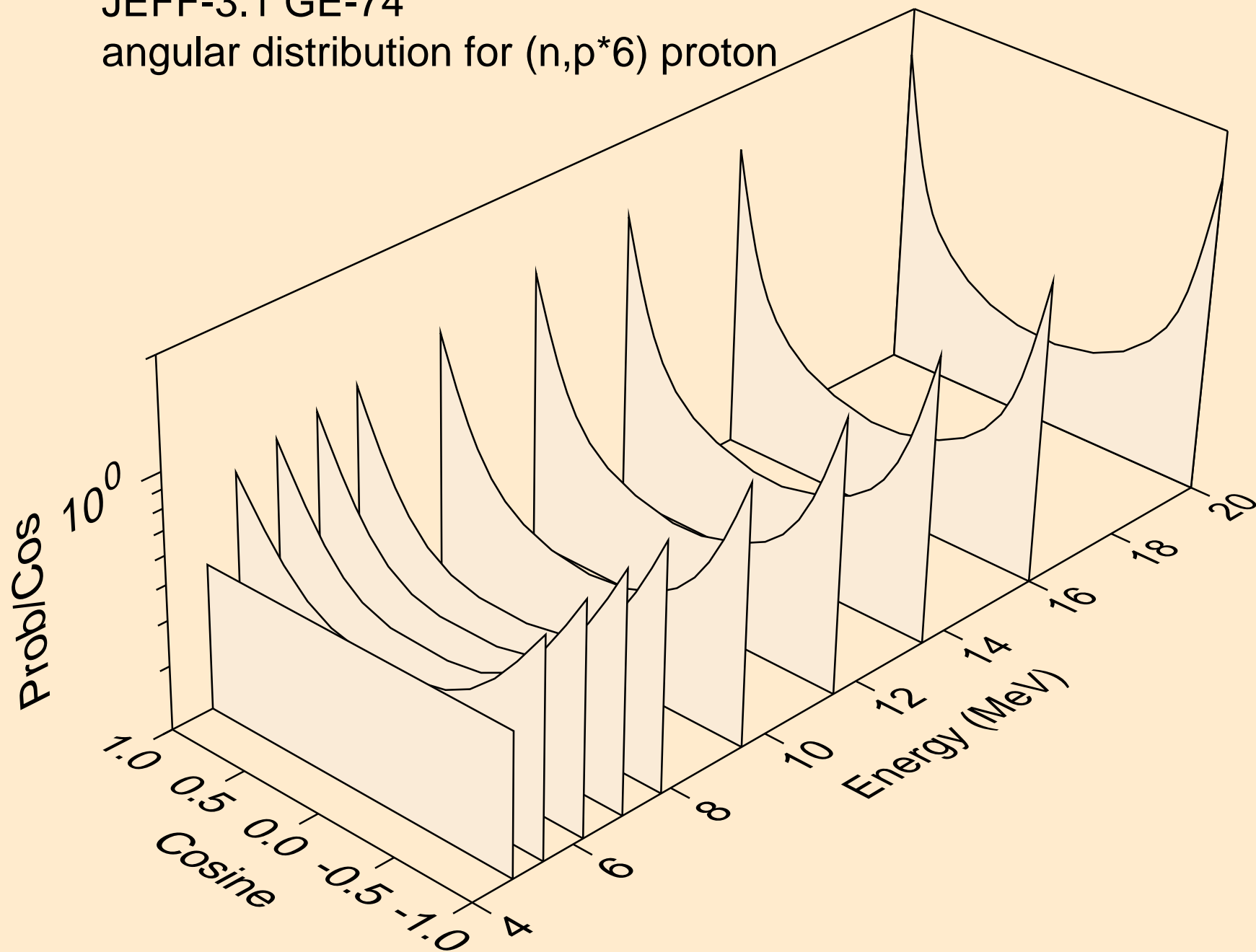
JEFF-3.1 GE-74

angular distribution for (n,p\*5) proton



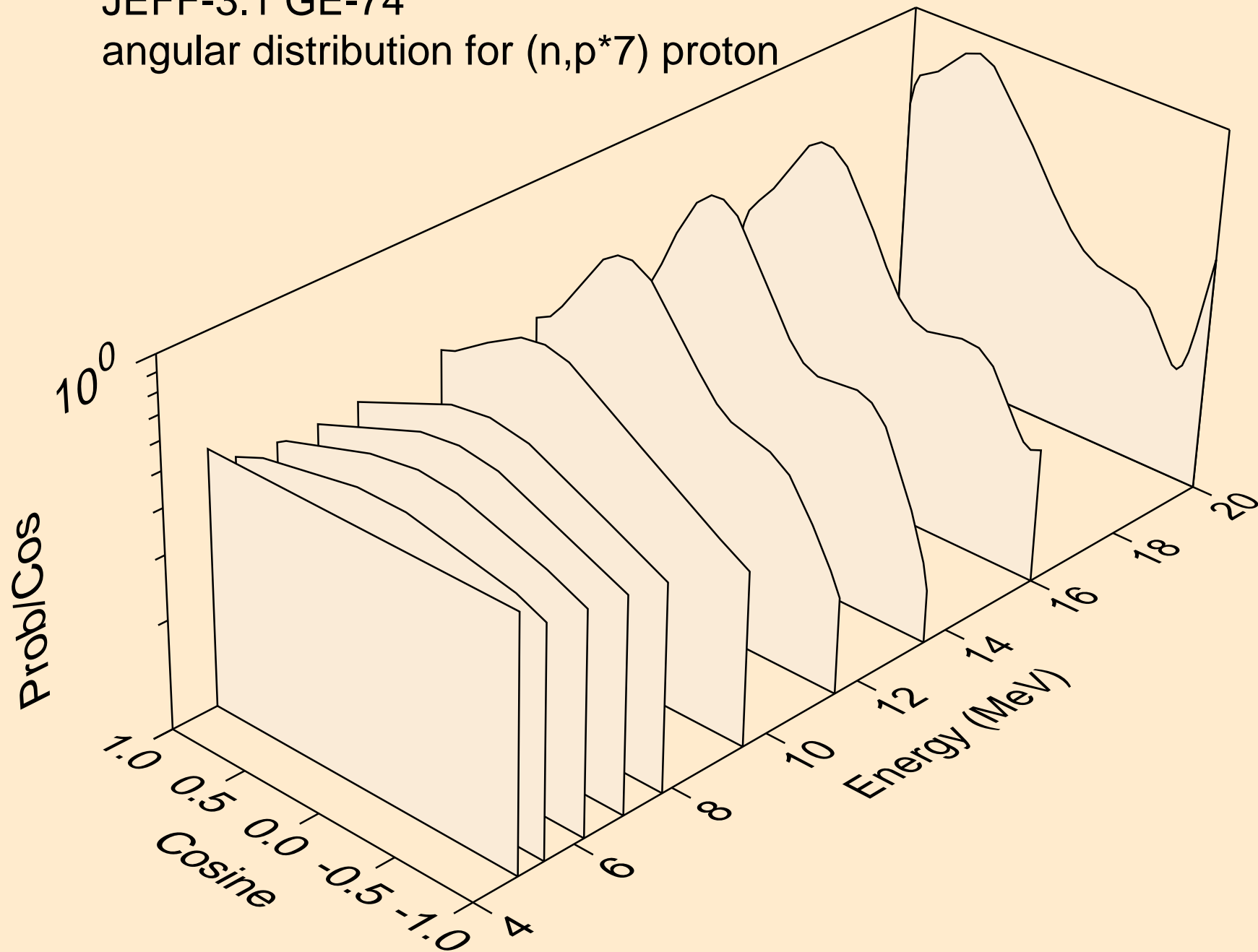
JEFF-3.1 GE-74

angular distribution for (n,p\*6) proton



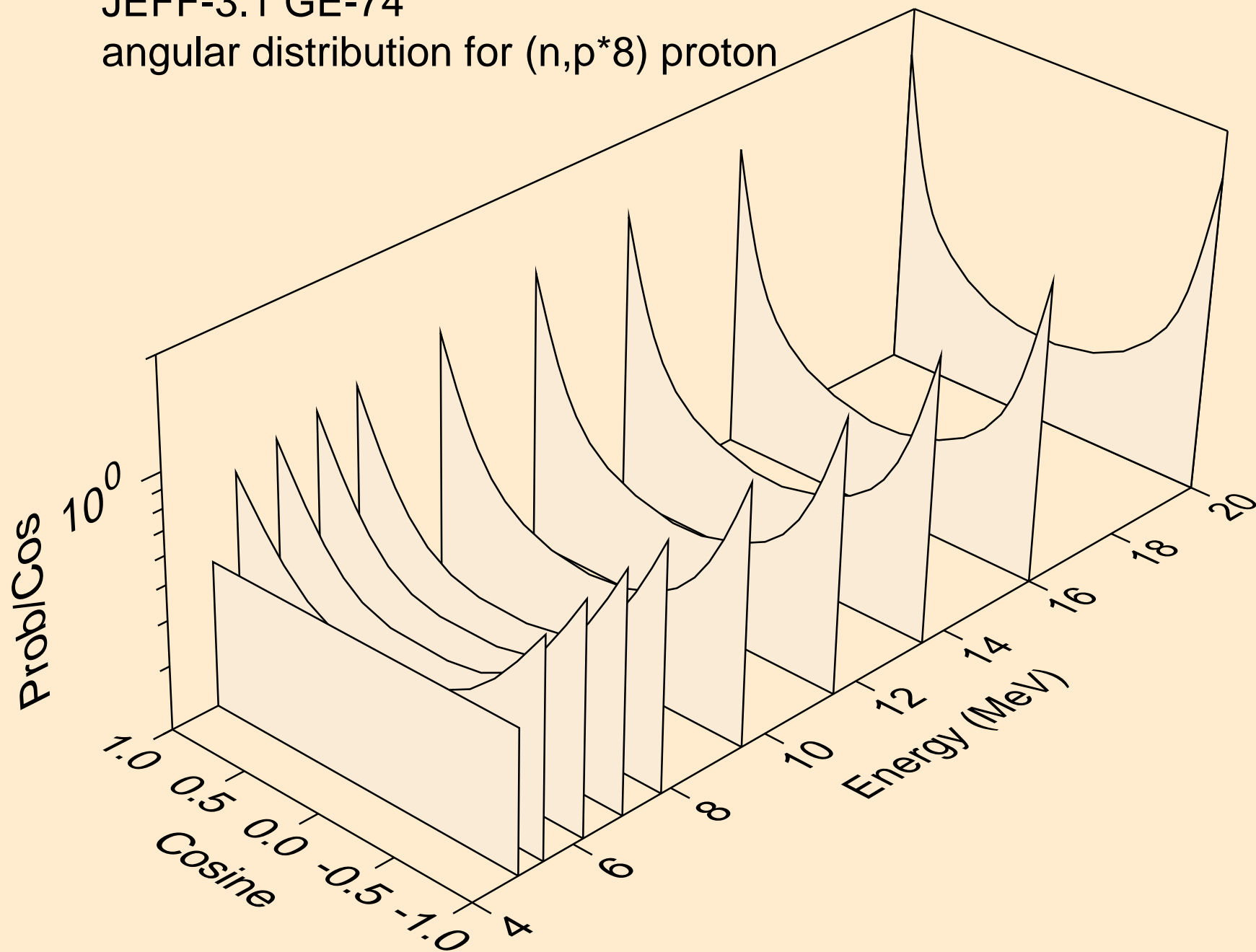
JEFF-3.1 GE-74

angular distribution for (n,p\*7) proton



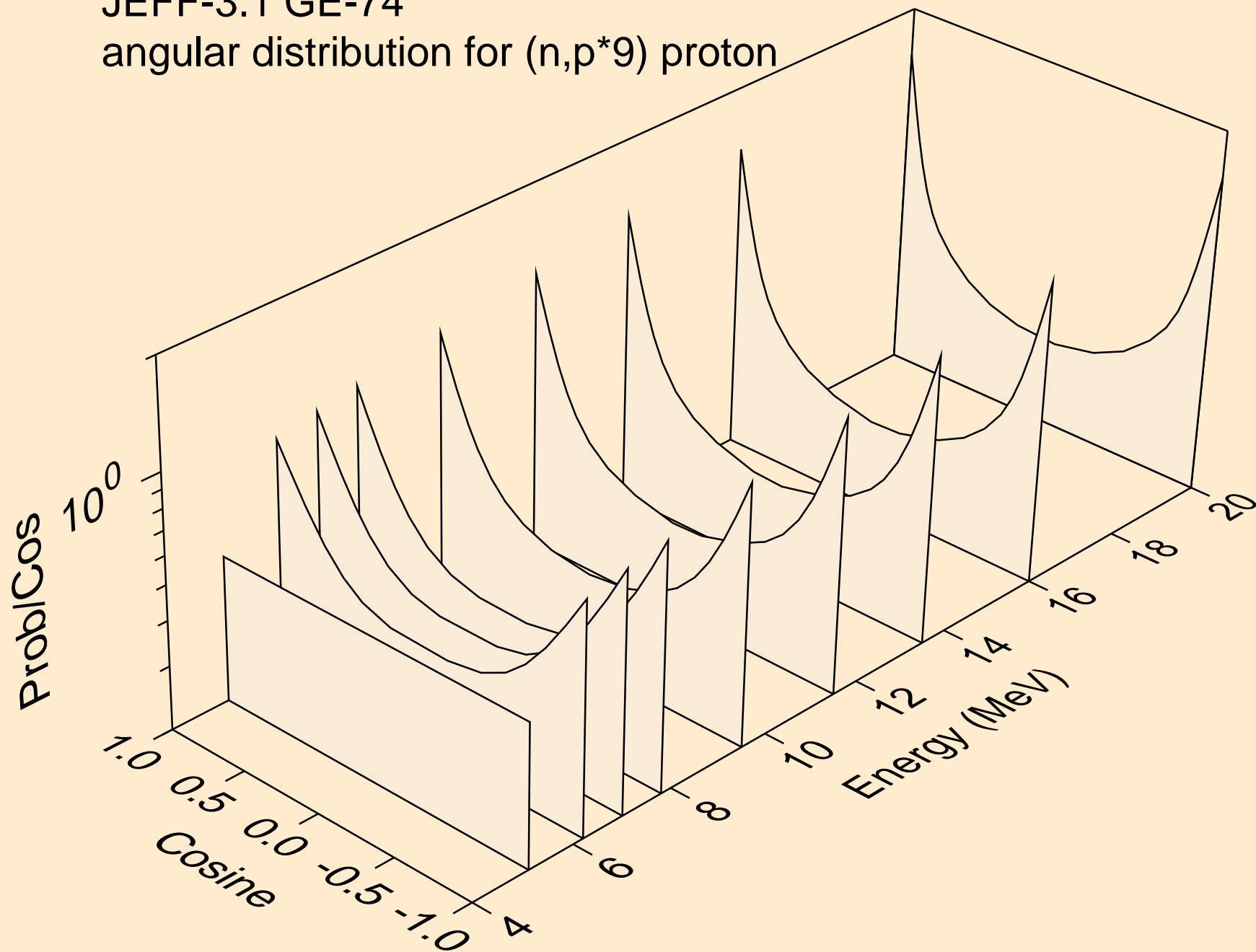
JEFF-3.1 GE-74

angular distribution for (n,p\*8) proton



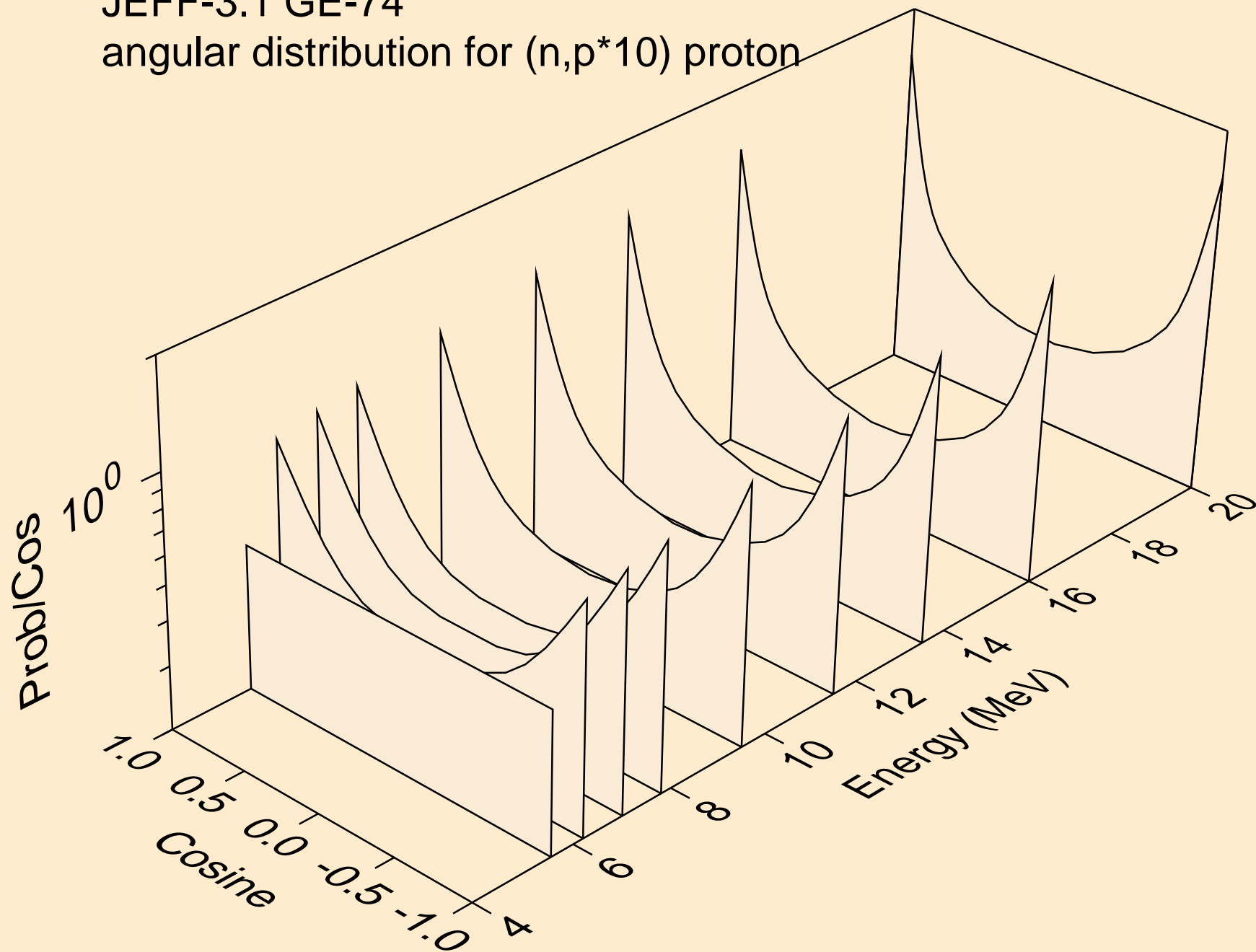
JEFF-3.1 GE-74

angular distribution for (n,p\*9) proton



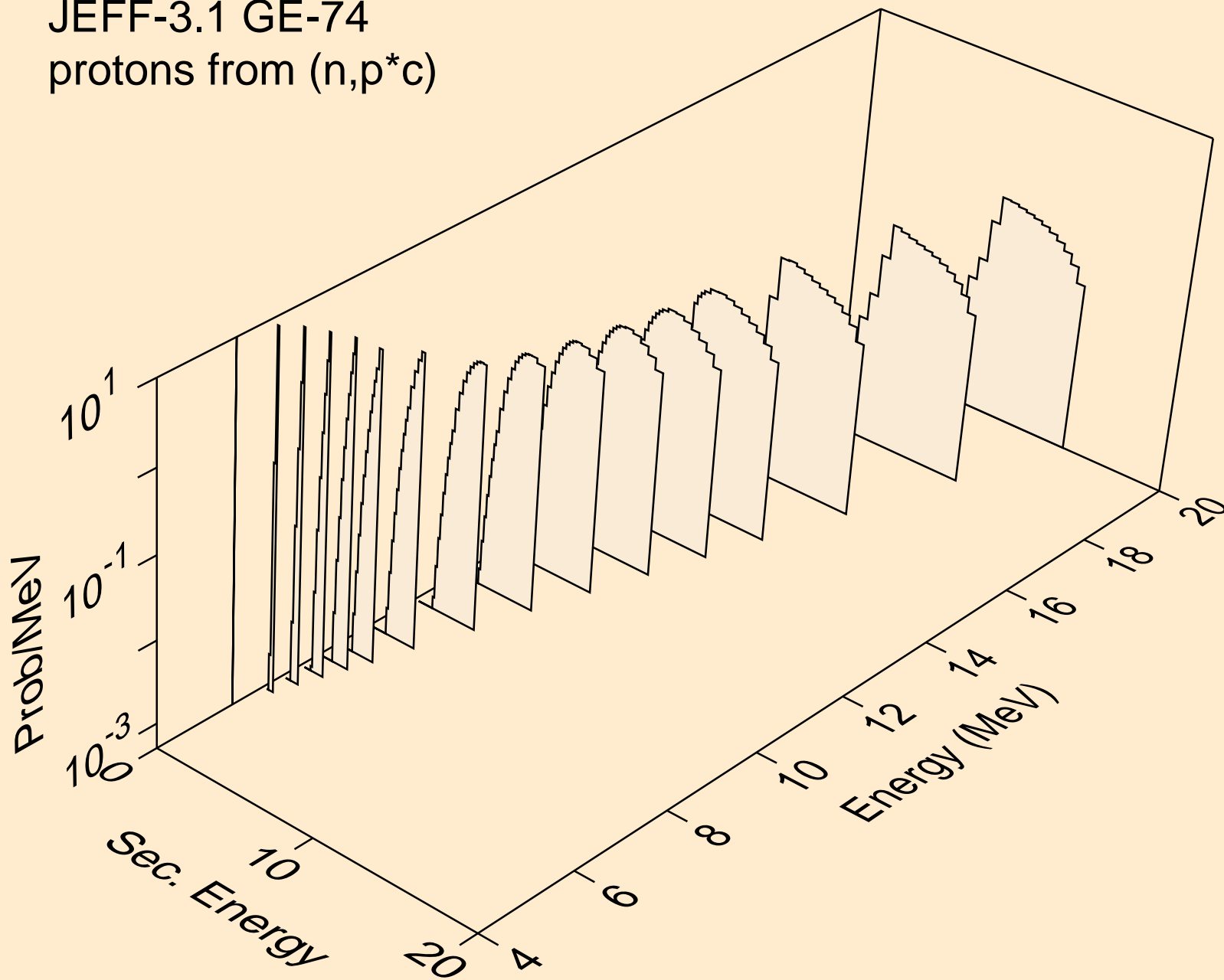
JEFF-3.1 GE-74

angular distribution for (n,p\*10) proton

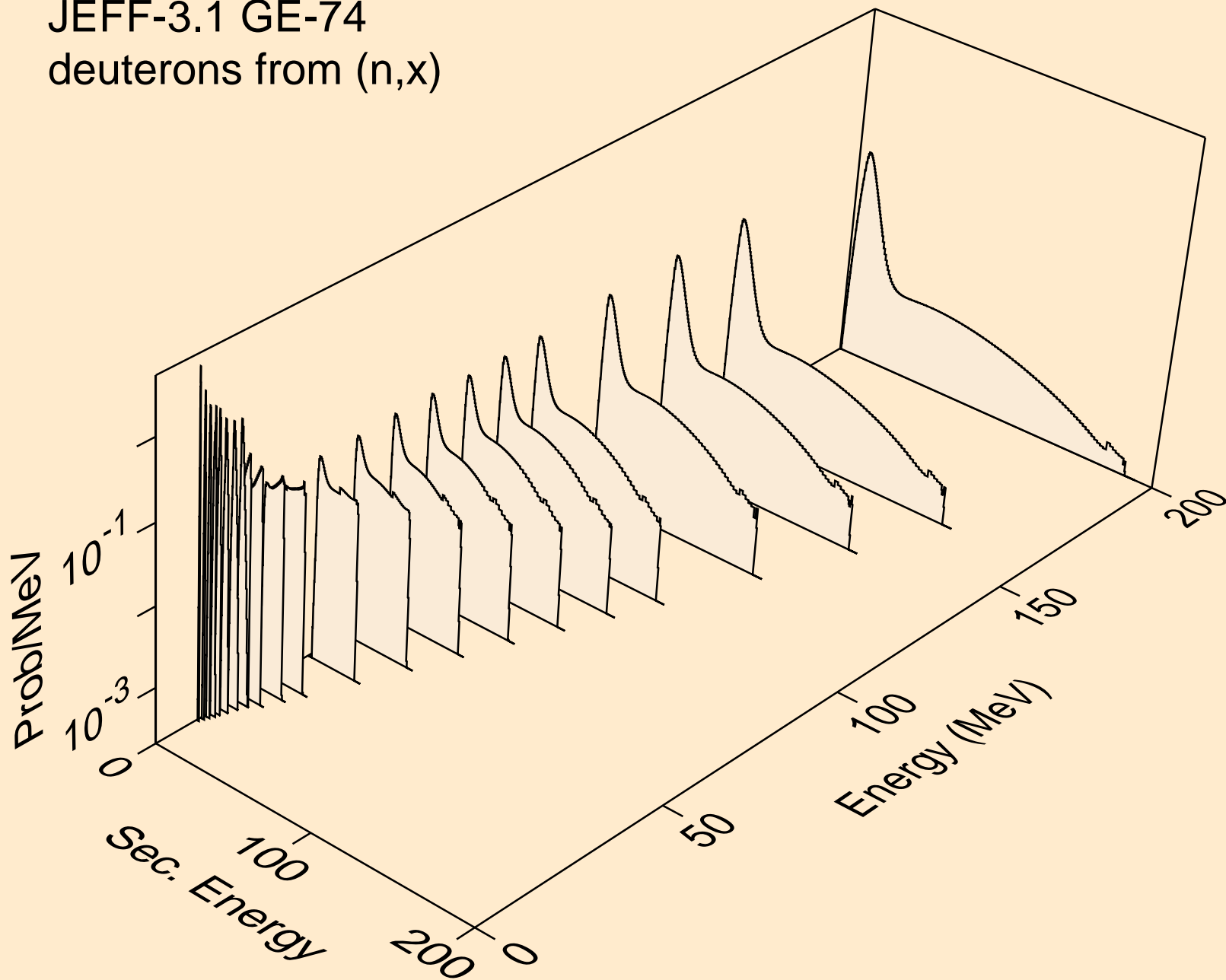




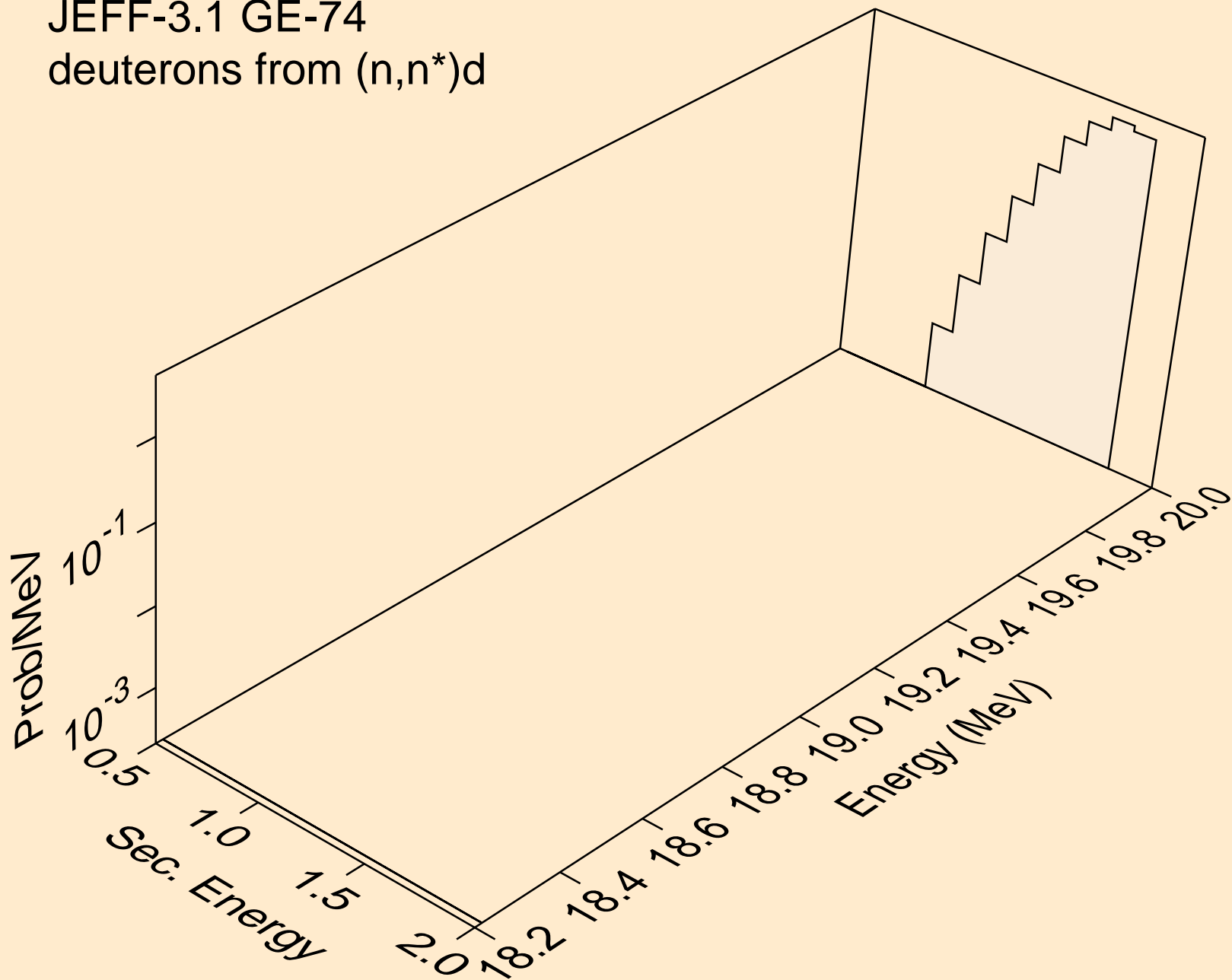
JEFF-3.1 GE-74  
protons from (n,p\*c)



JEFF-3.1 GE-74  
deuterons from (n,x)

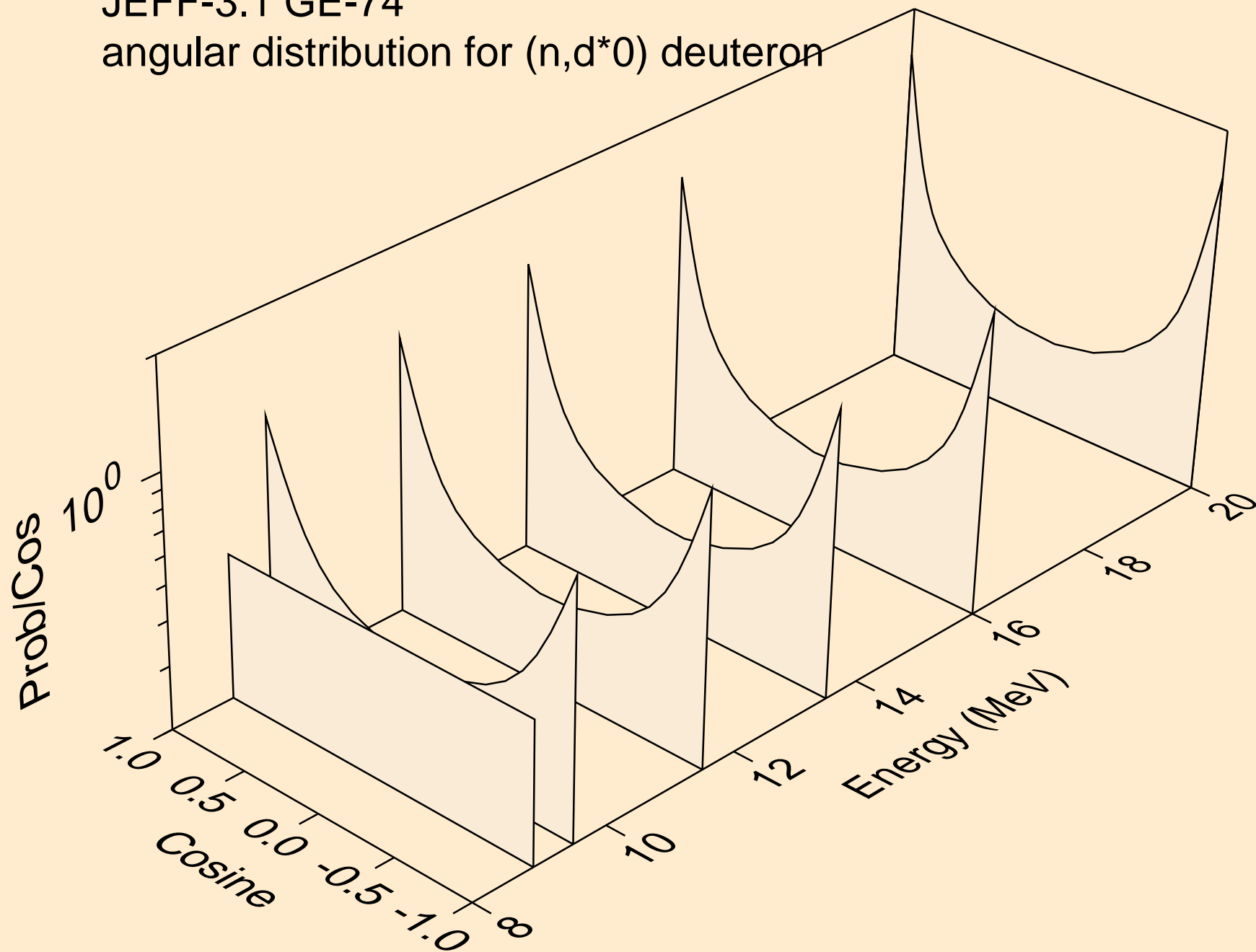


JEFF-3.1 GE-74  
deuterons from (n,n\*)d



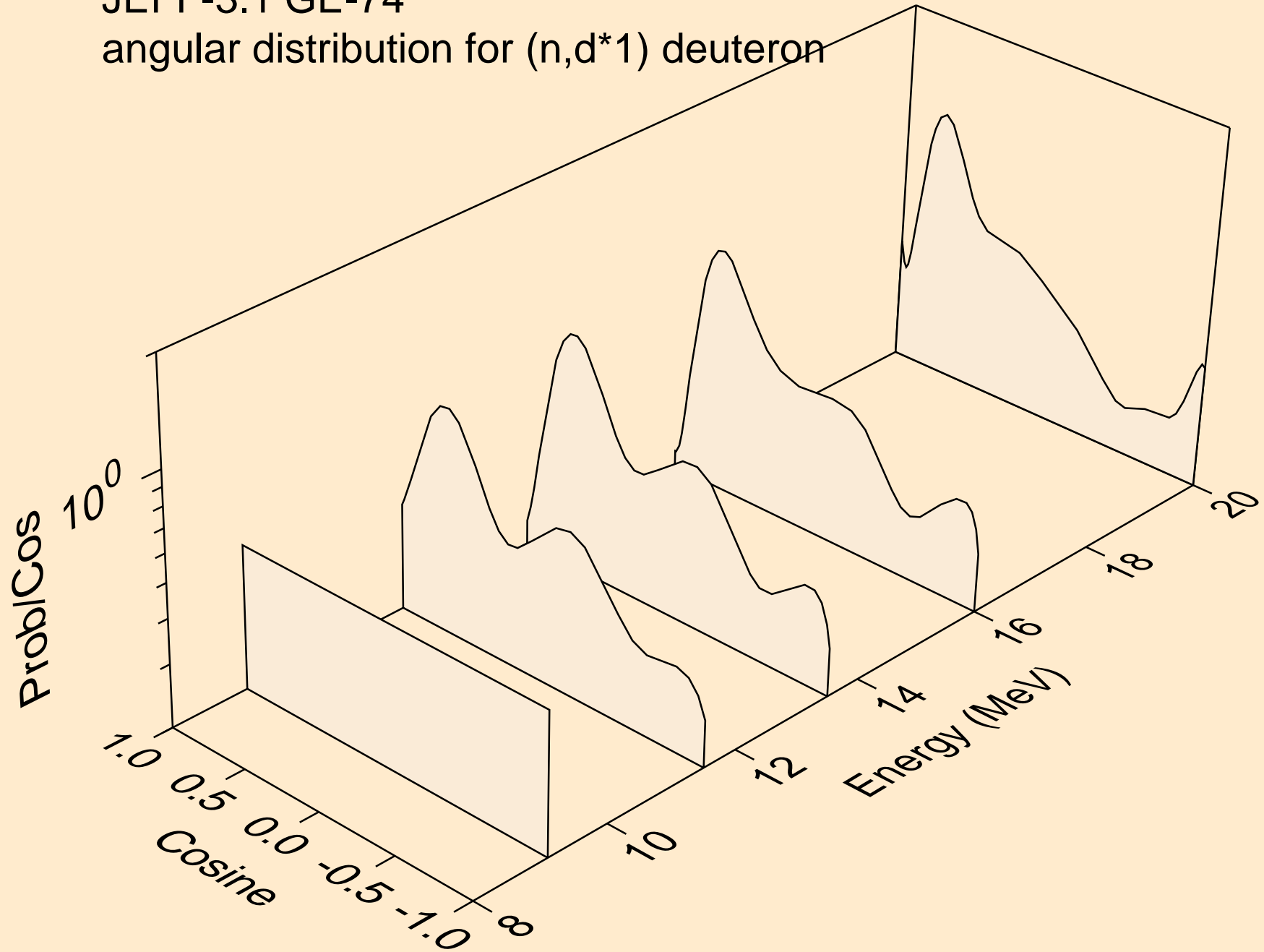
JEFF-3.1 GE-74

angular distribution for (n,d\*0) deuteron



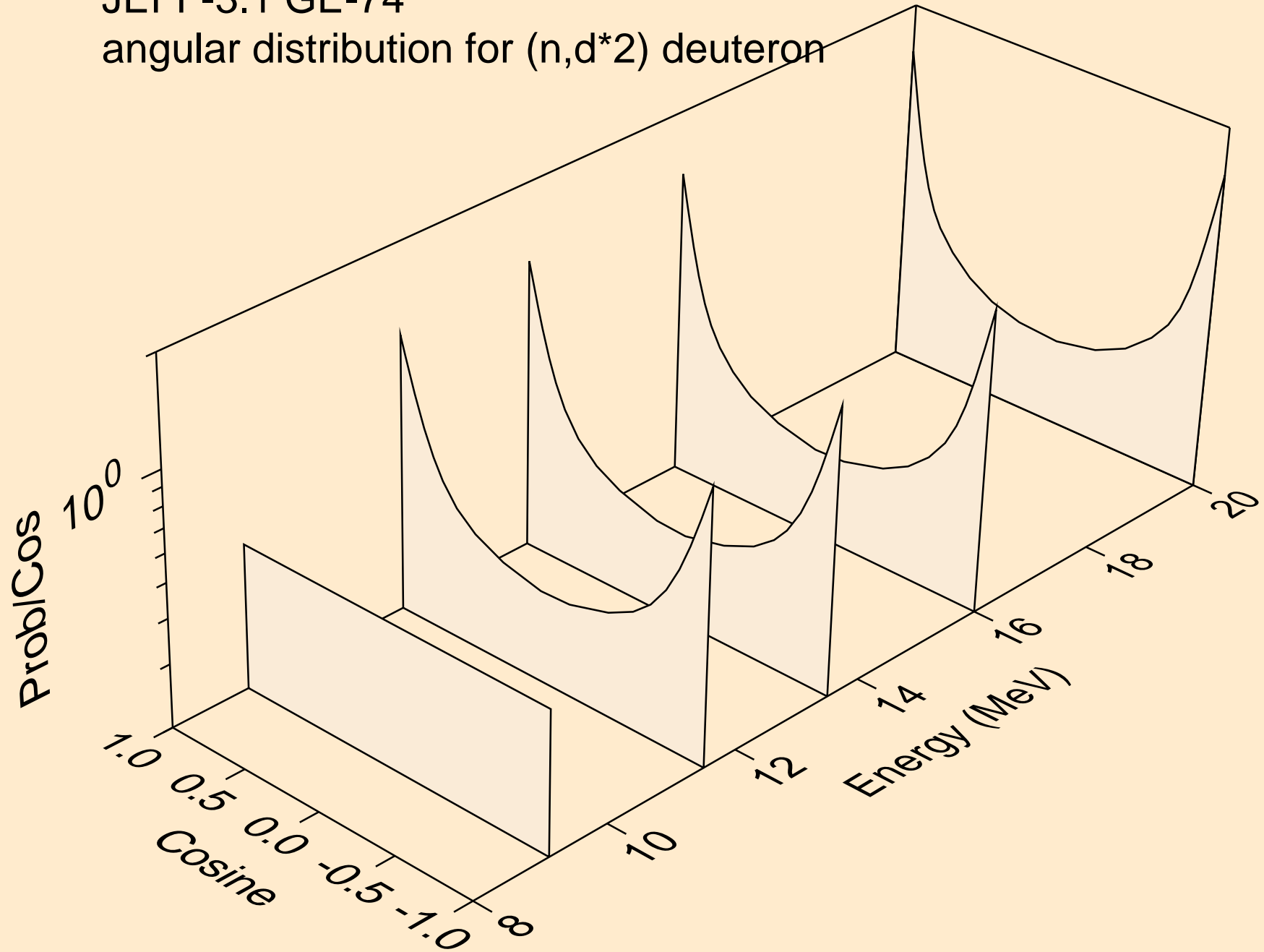
JEFF-3.1 GE-74

angular distribution for (n,d\*1) deuteron



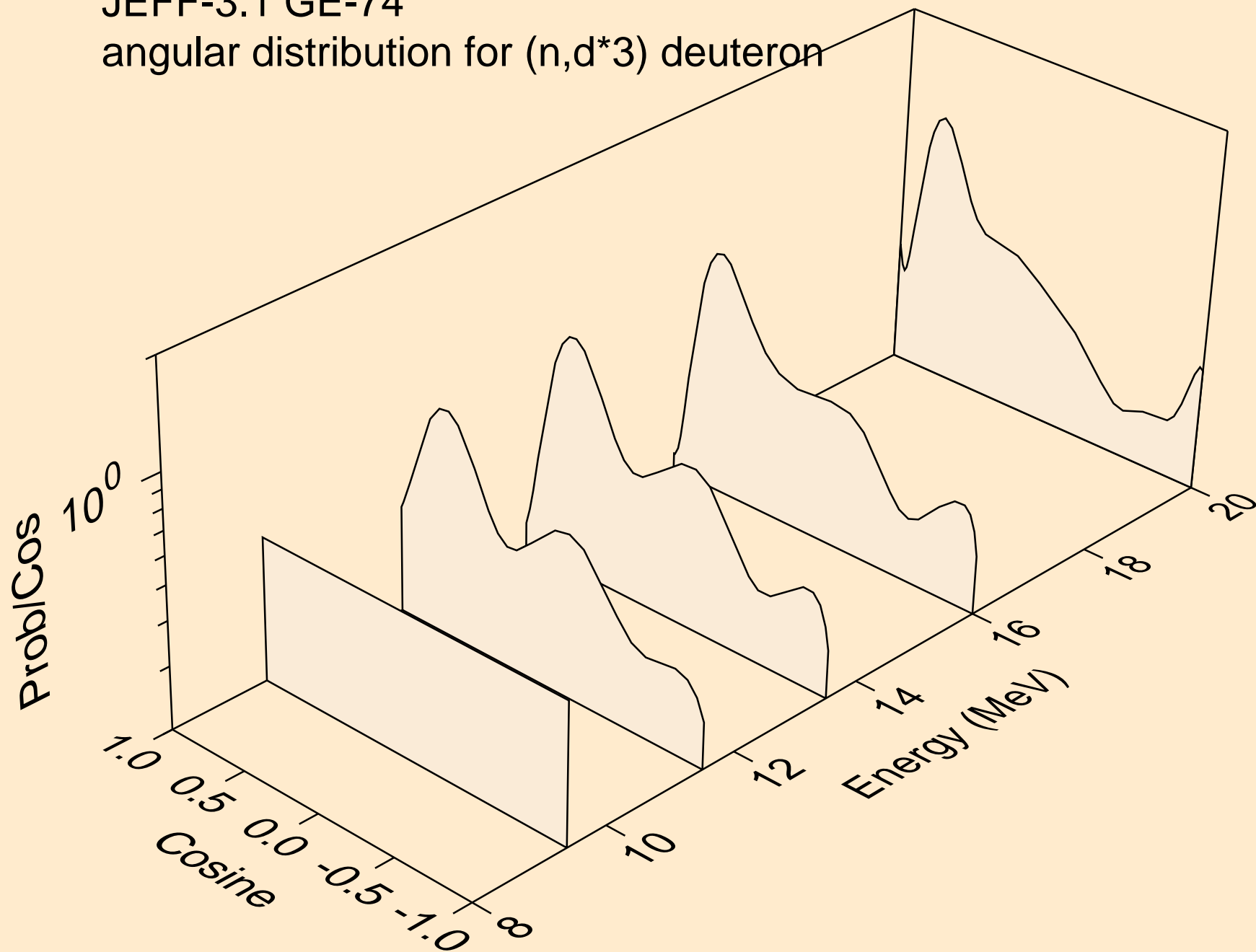
JEFF-3.1 GE-74

angular distribution for (n,d\*2) deuteron



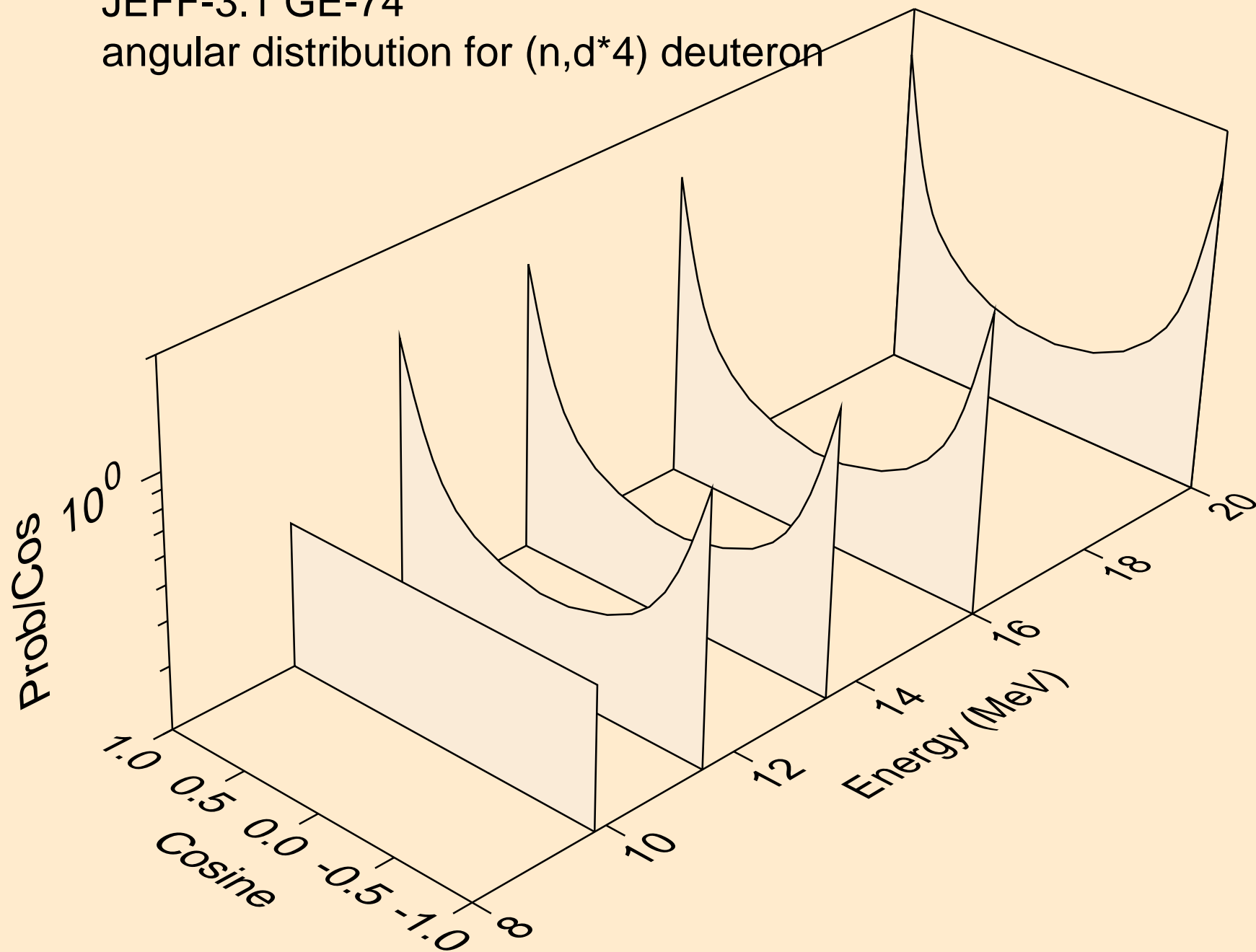
JEFF-3.1 GE-74

angular distribution for (n,d\*3) deuteron



JEFF-3.1 GE-74

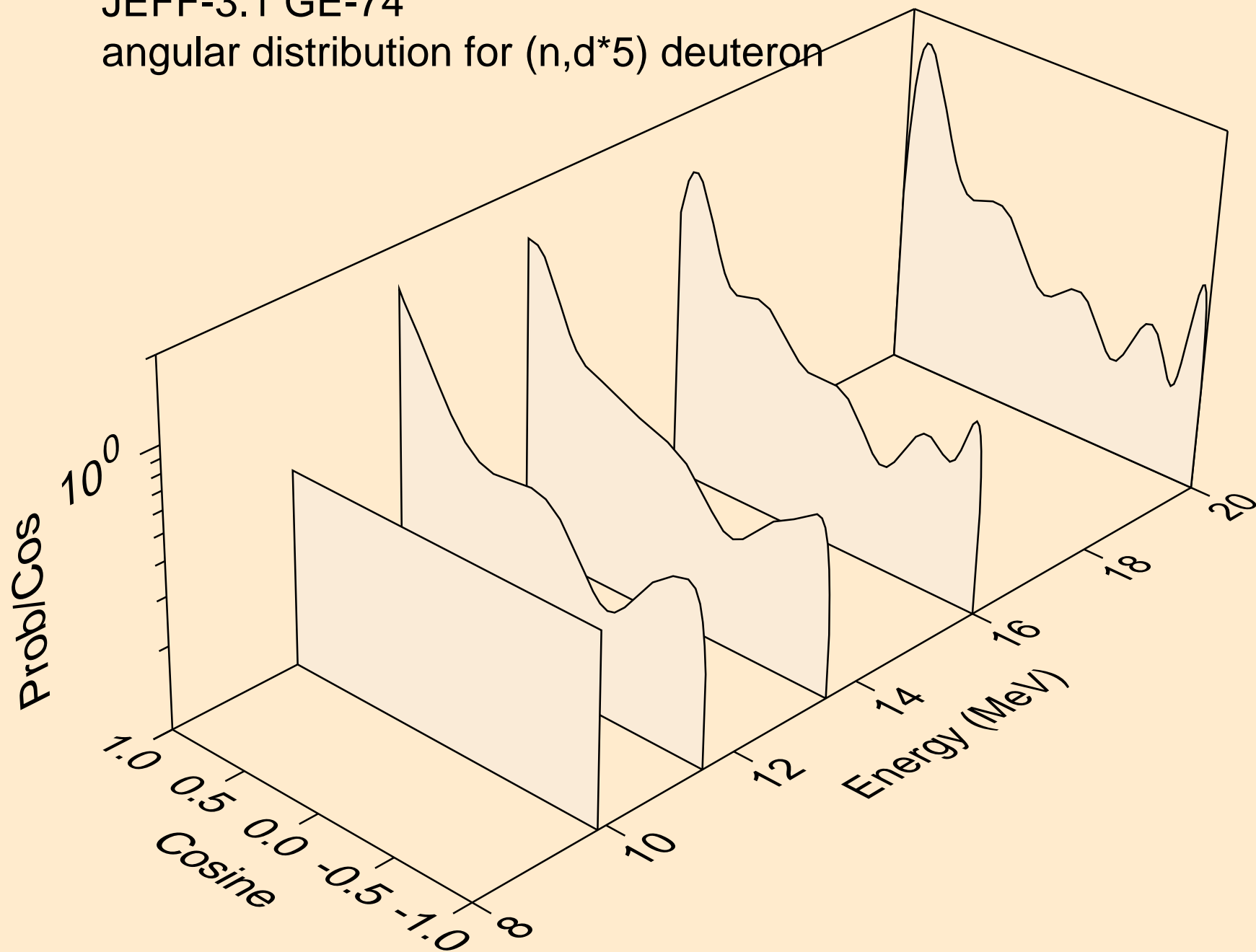
angular distribution for (n,d\*4) deuteron



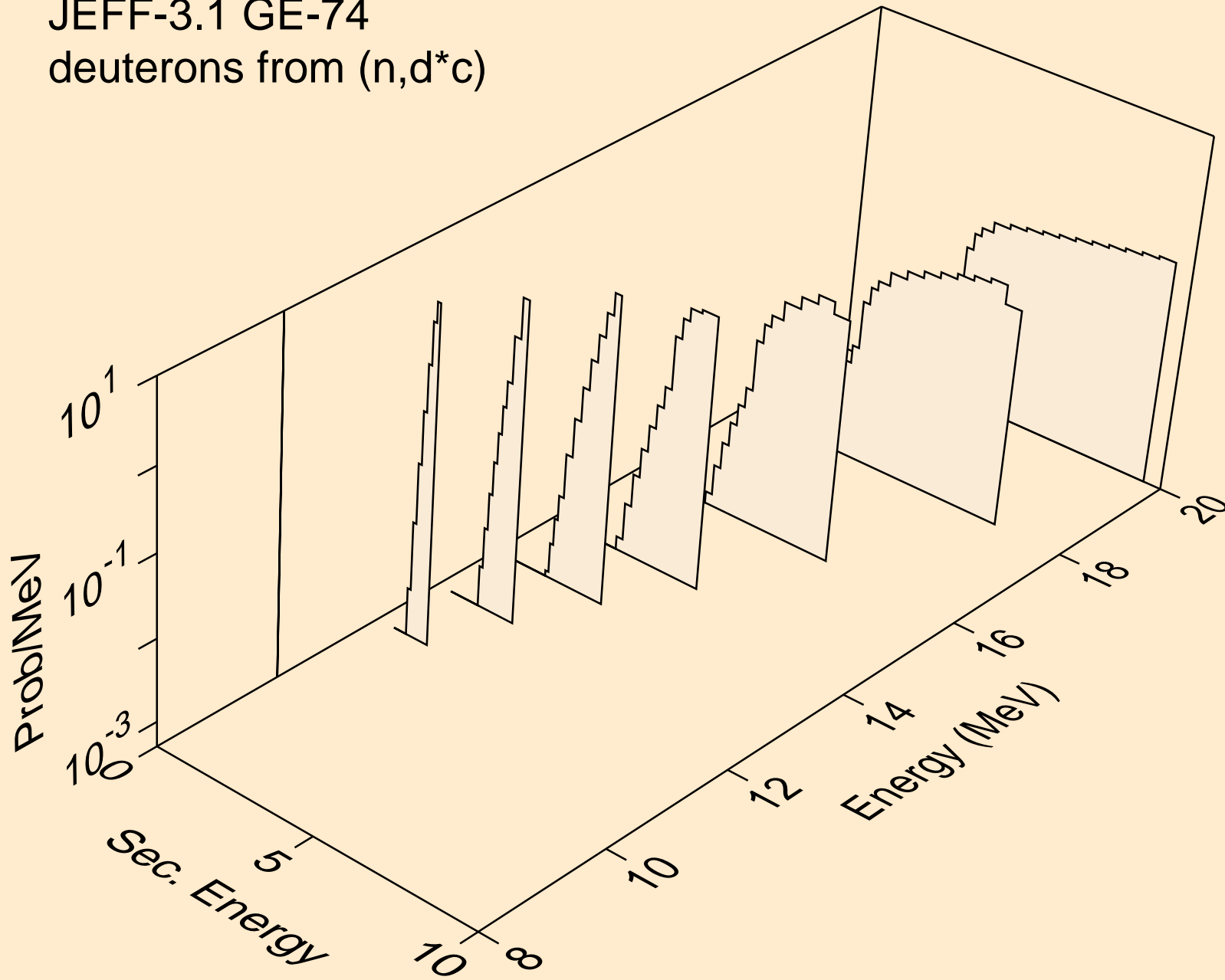


JEFF-3.1 GE-74

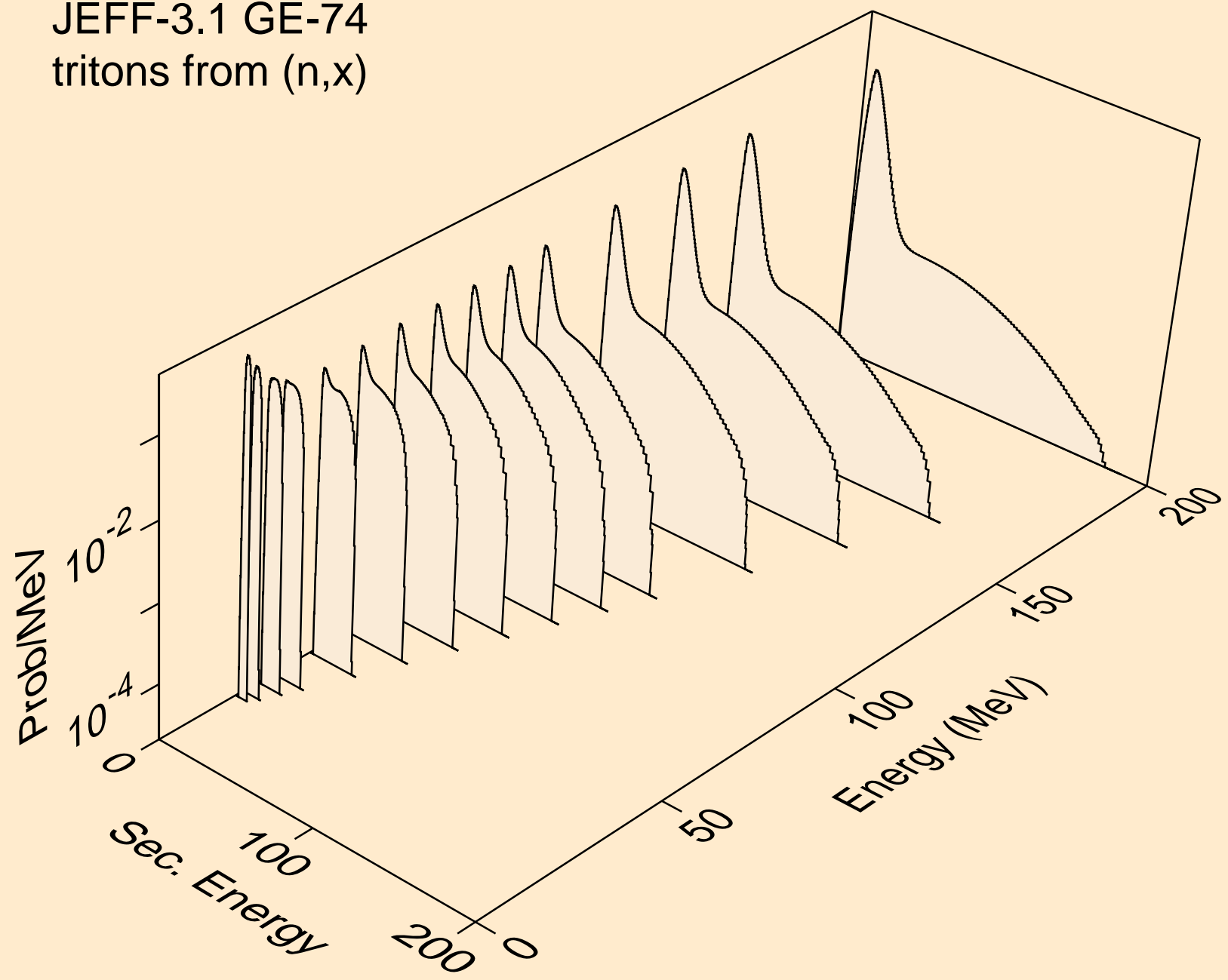
angular distribution for (n,d\*5) deuteron



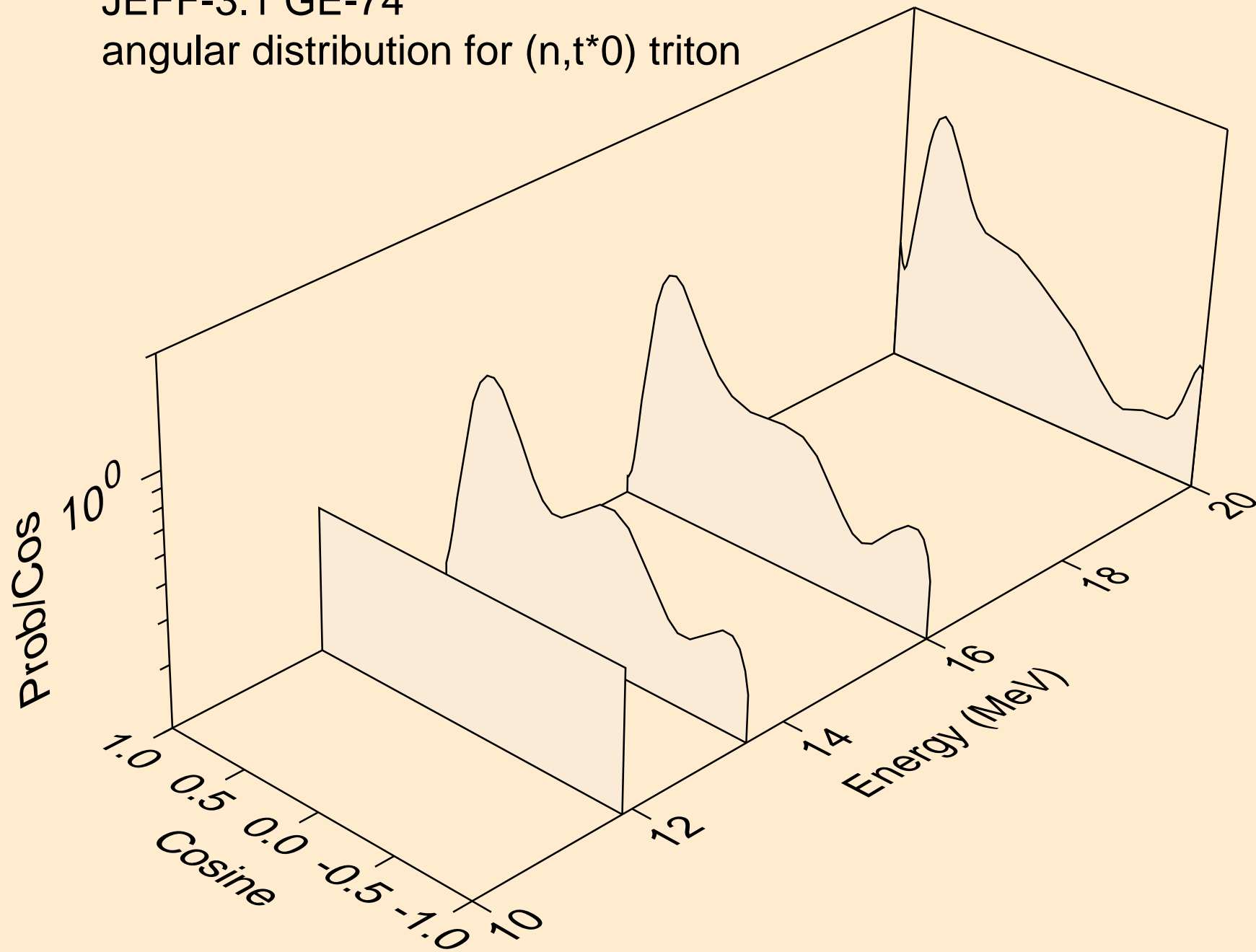
JEFF-3.1 GE-74  
deuterons from (n,d\*c)



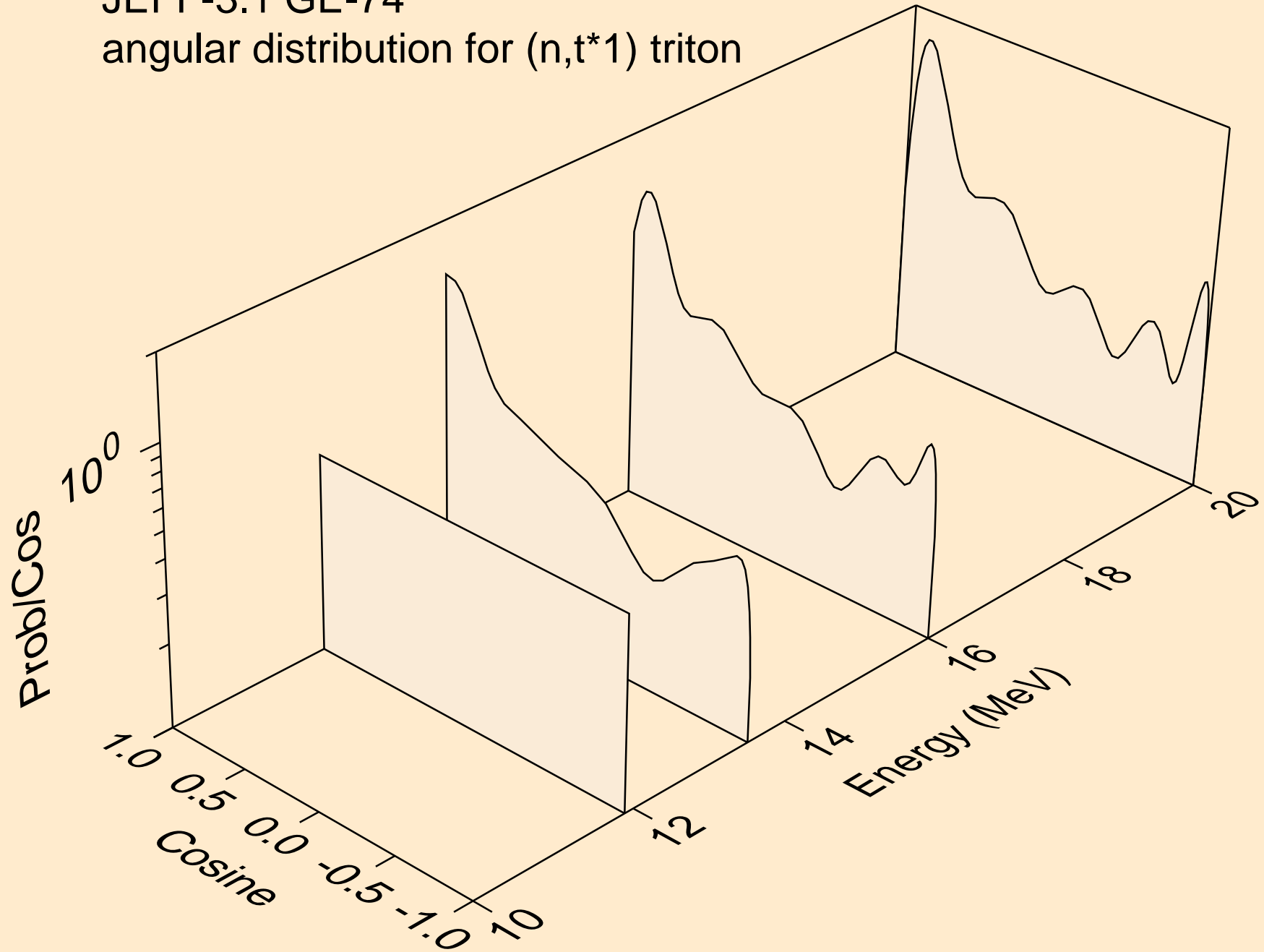
JEFF-3.1 GE-74  
tritons from (n,x)



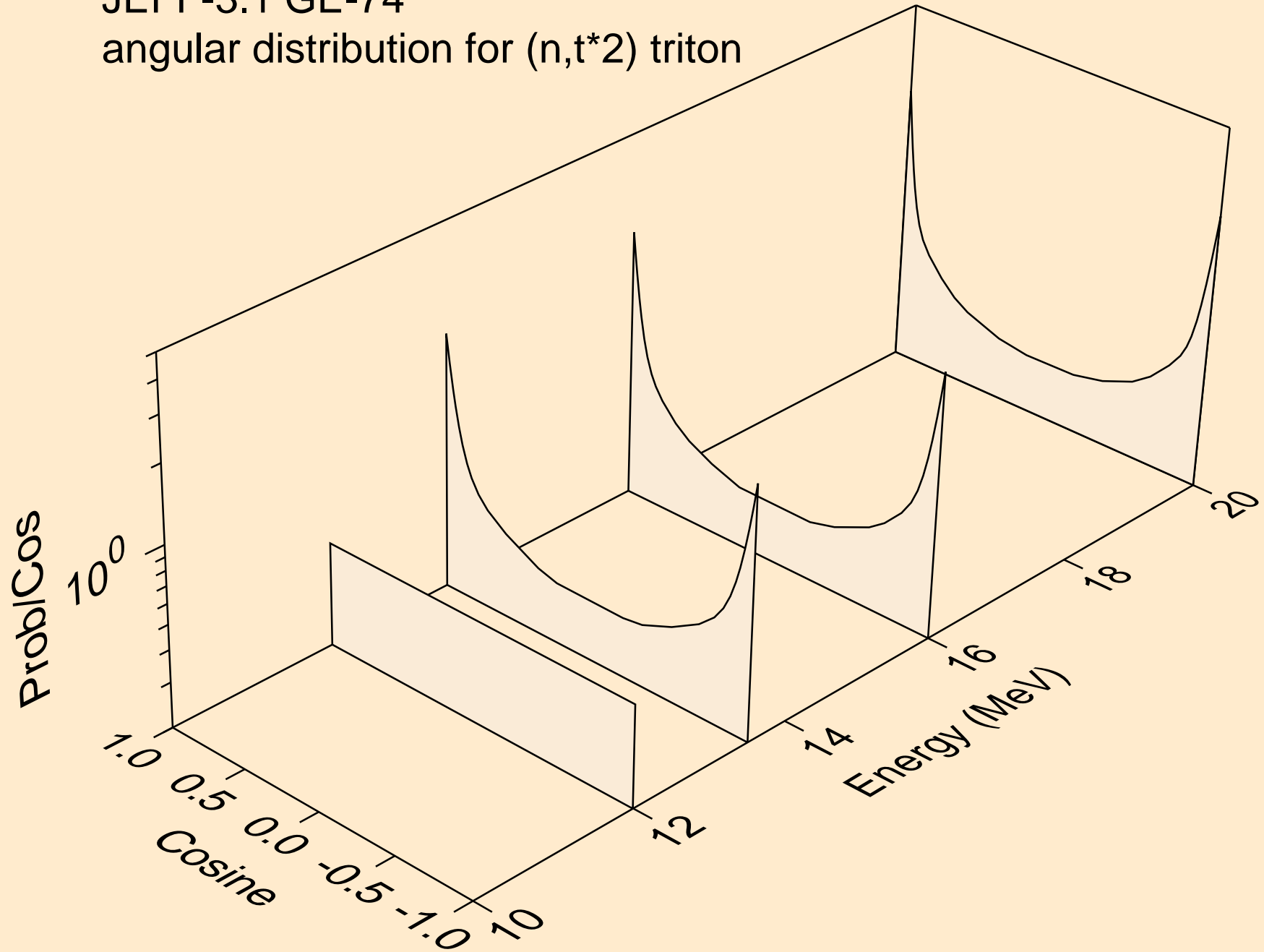
JEFF-3.1 GE-74  
angular distribution for (n,t\*0) triton



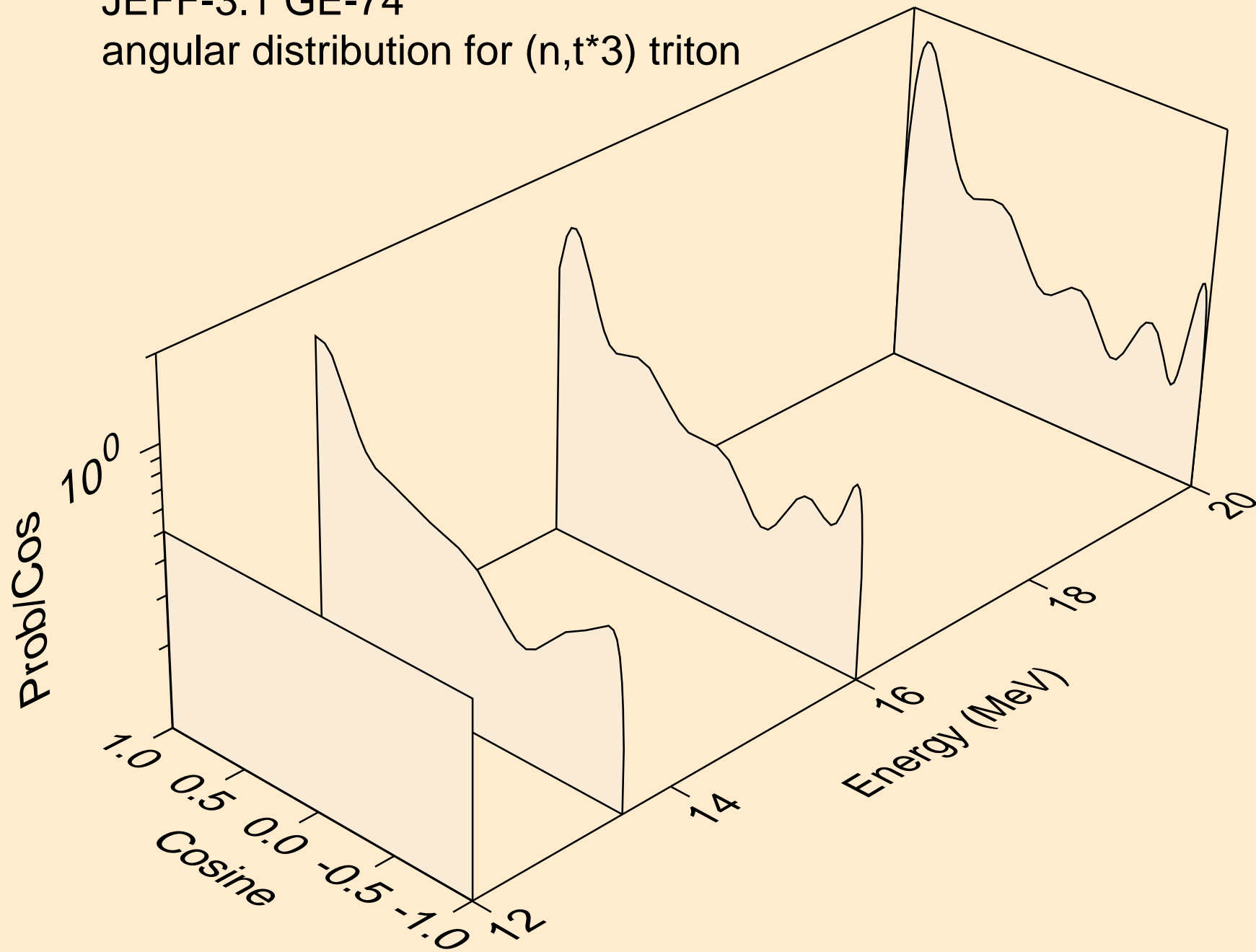
JEFF-3.1 GE-74  
angular distribution for (n,t\*1) triton



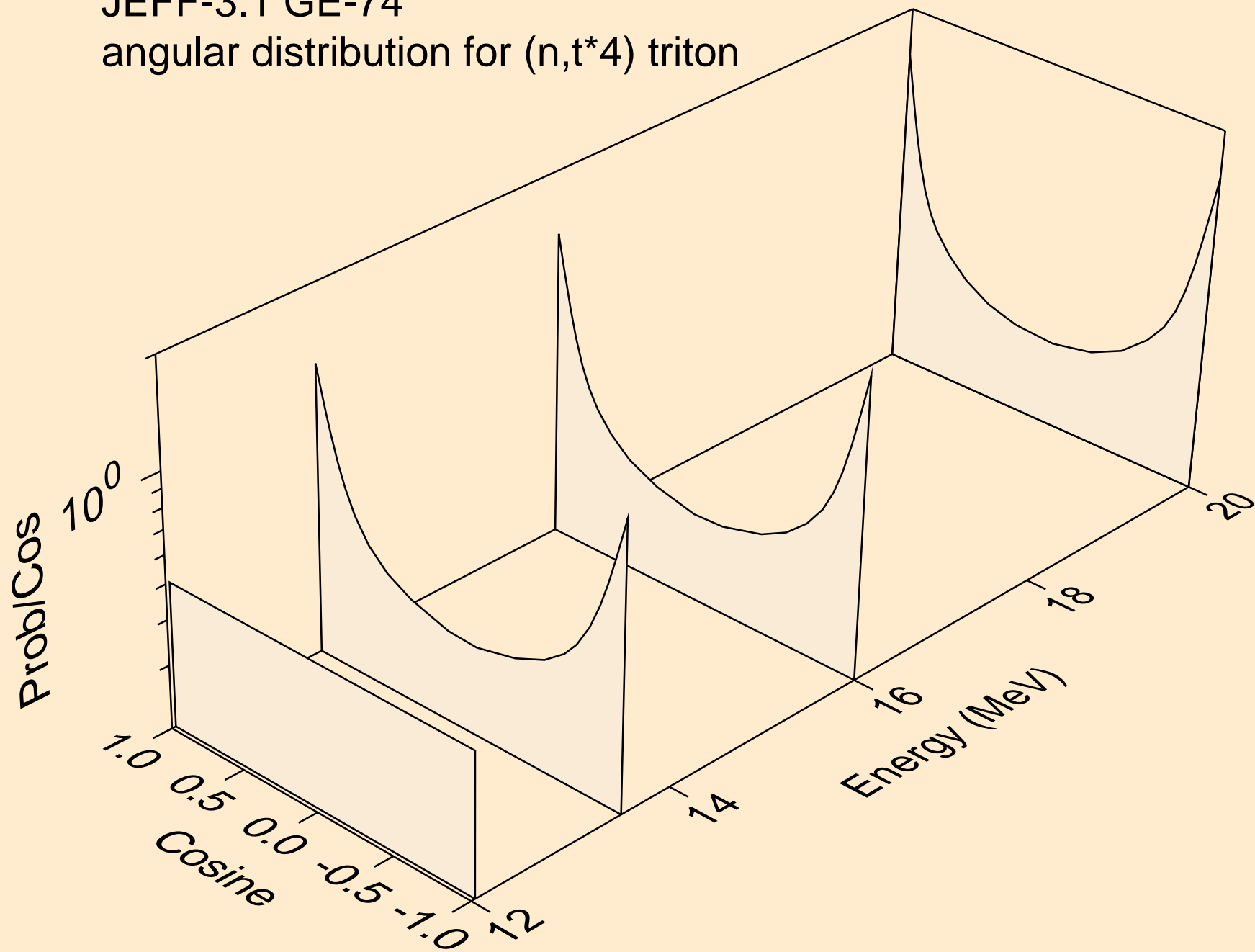
JEFF-3.1 GE-74  
angular distribution for (n,t\*2) triton



JEFF-3.1 GE-74  
angular distribution for (n,t\*3) triton

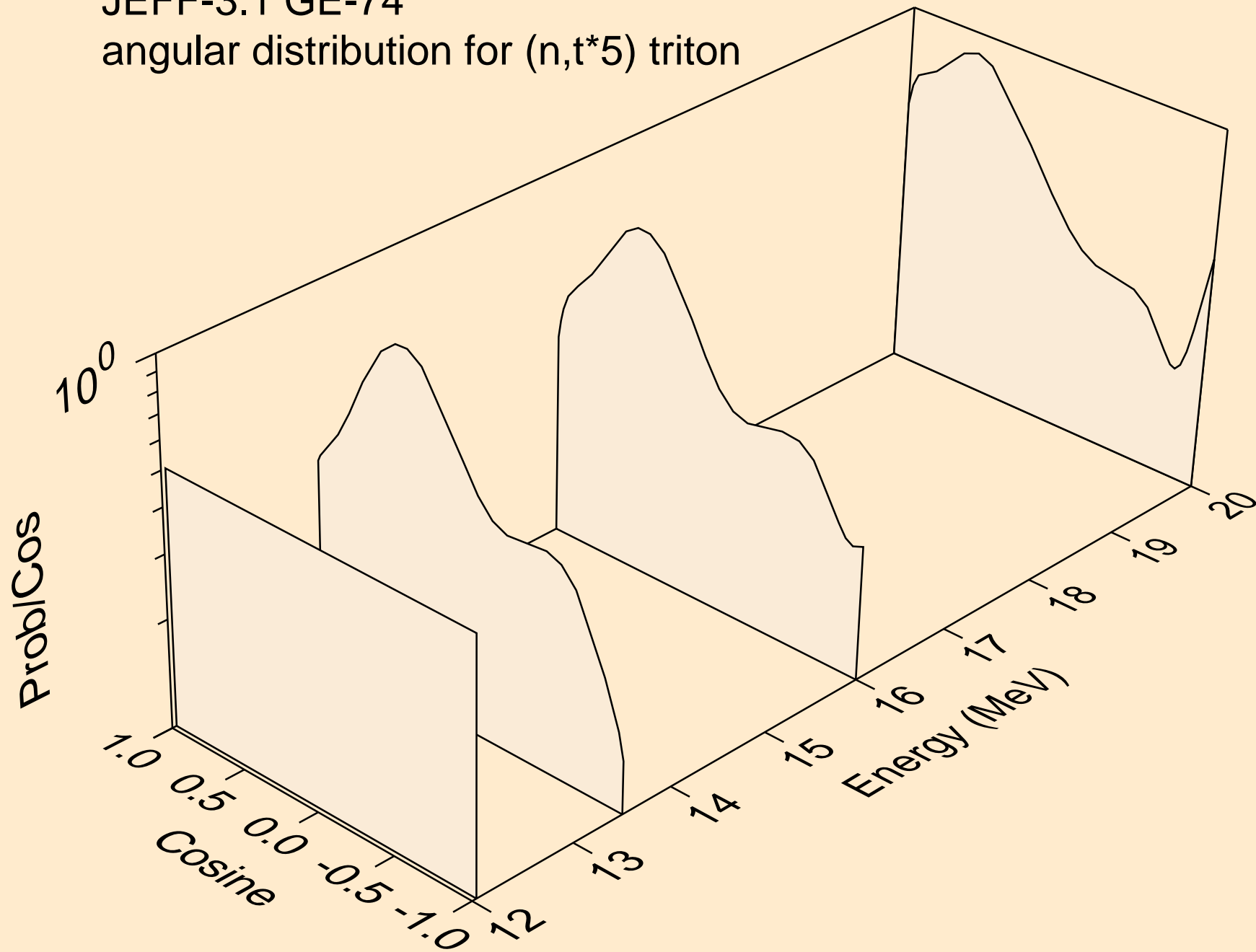


JEFF-3.1 GE-74  
angular distribution for (n,t\*4) triton

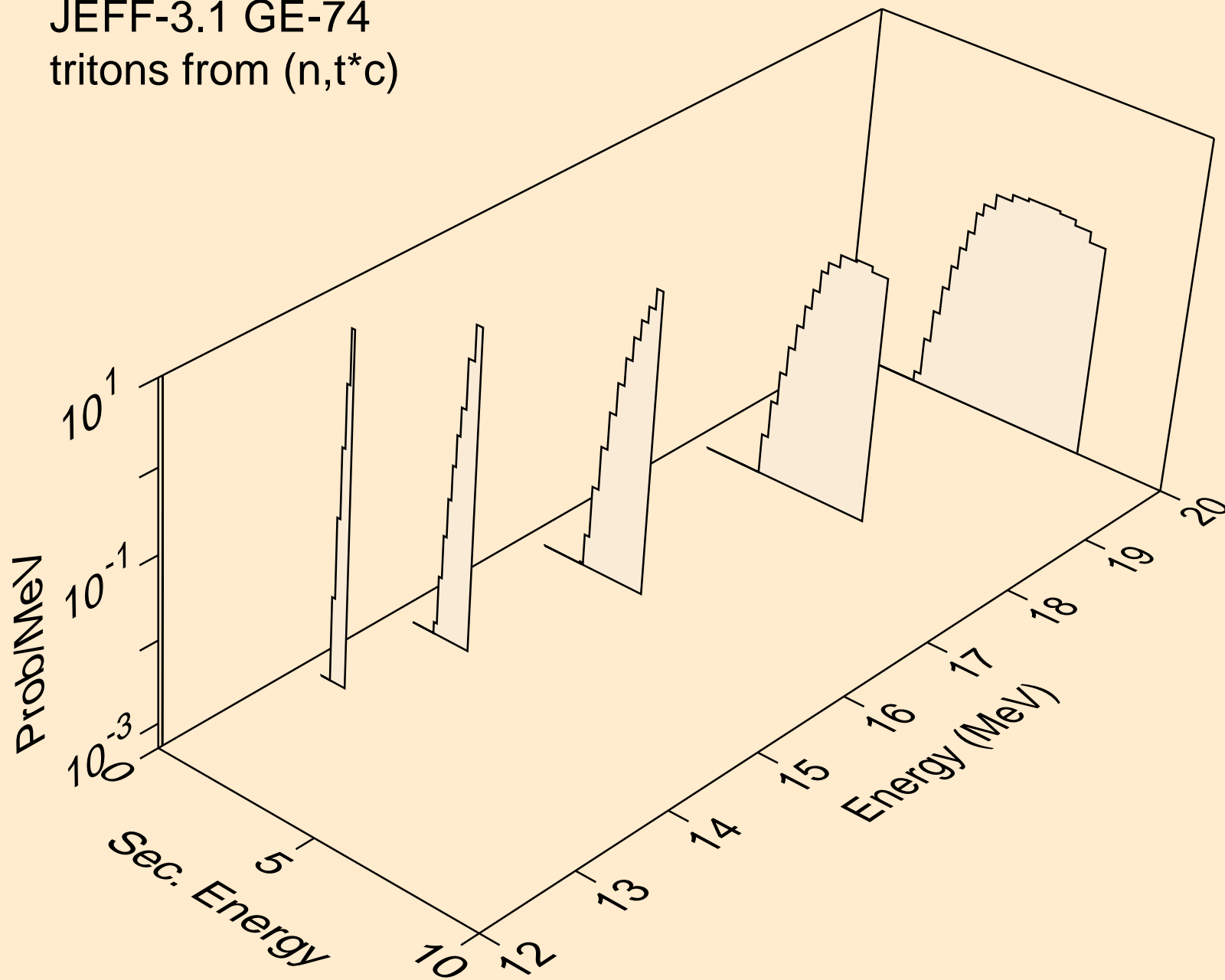




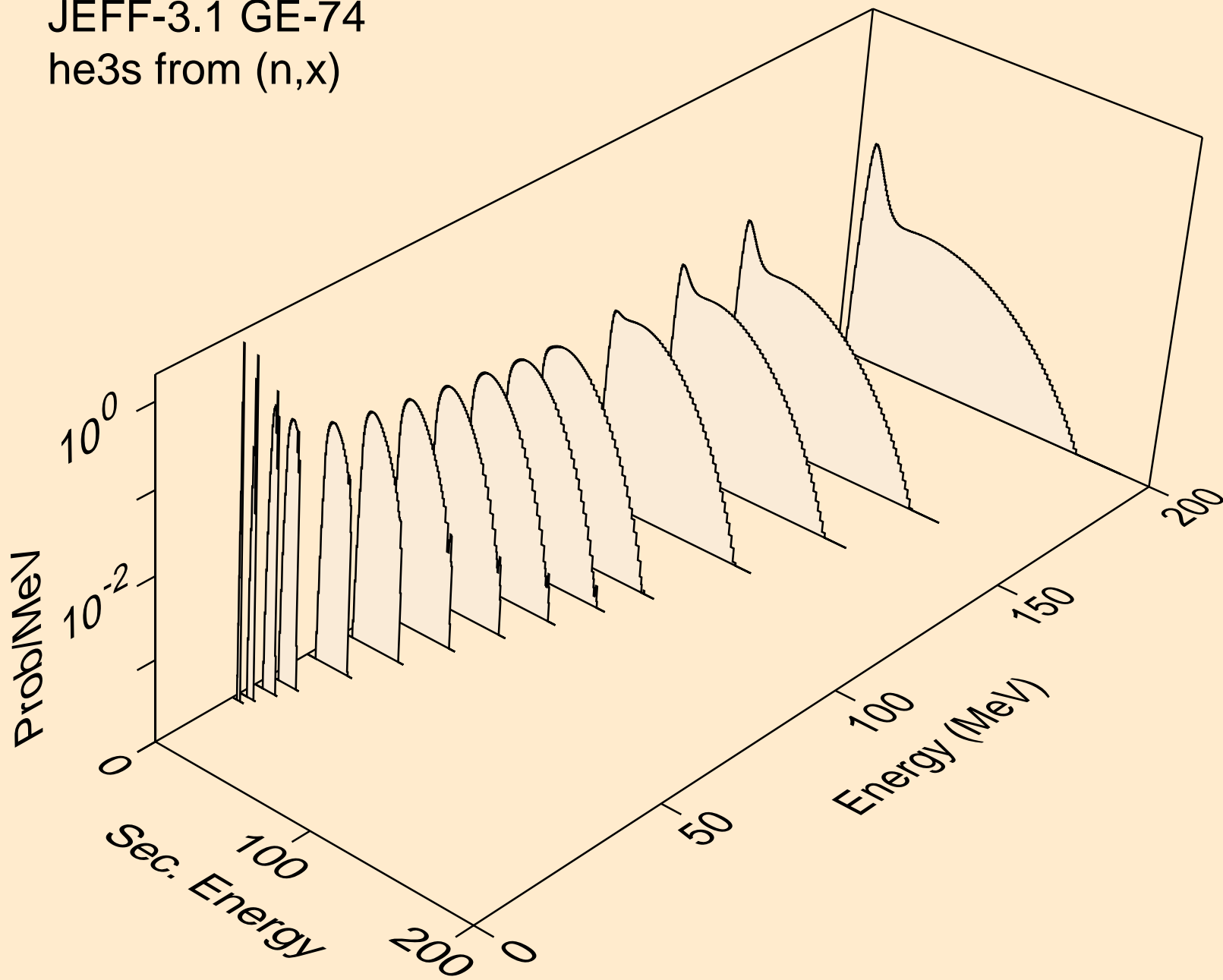
JEFF-3.1 GE-74  
angular distribution for (n,t\*5) triton



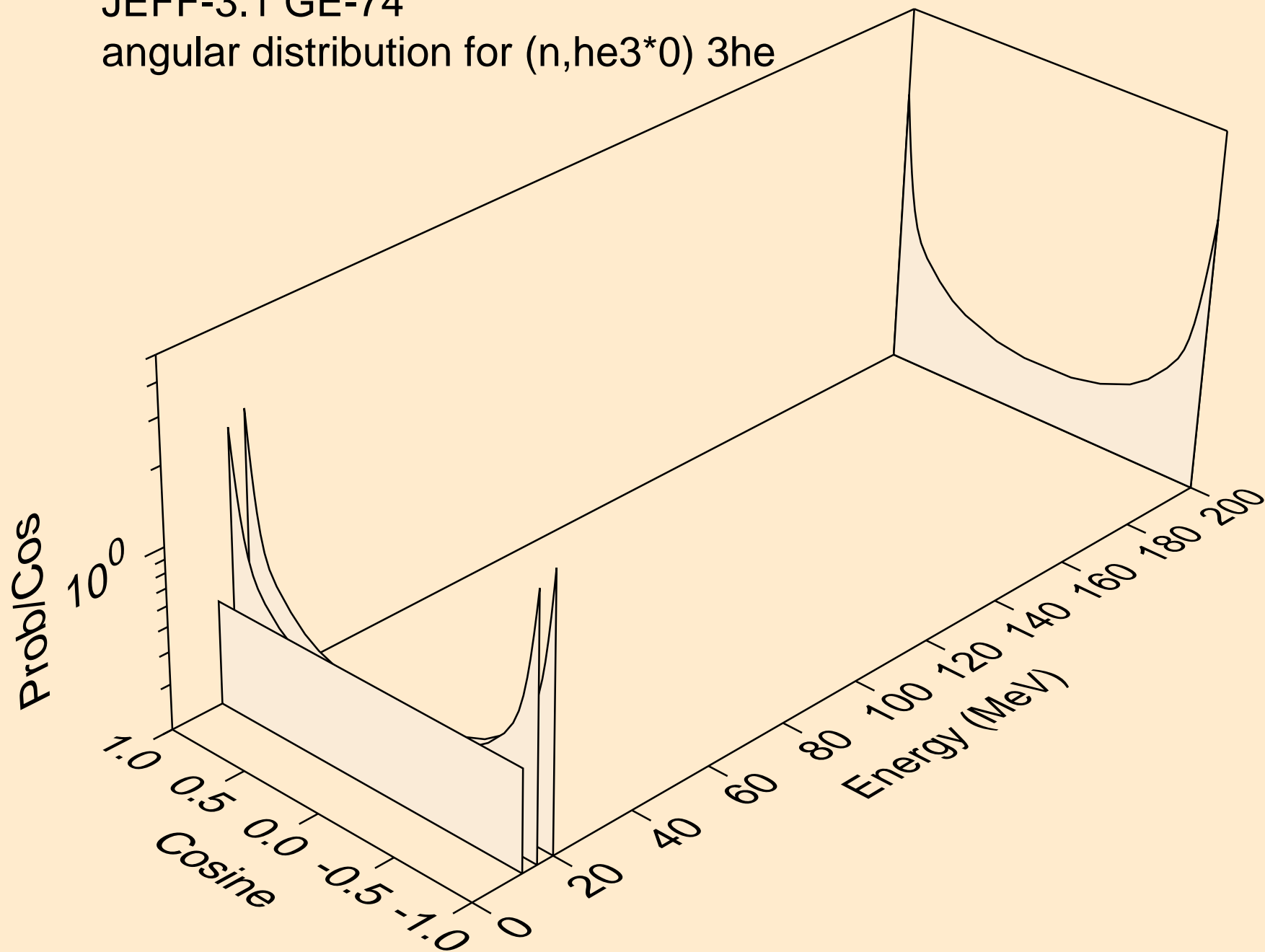
JEFF-3.1 GE-74  
tritons from (n,t\*c)



JEFF-3.1 GE-74  
he3s from (n,x)

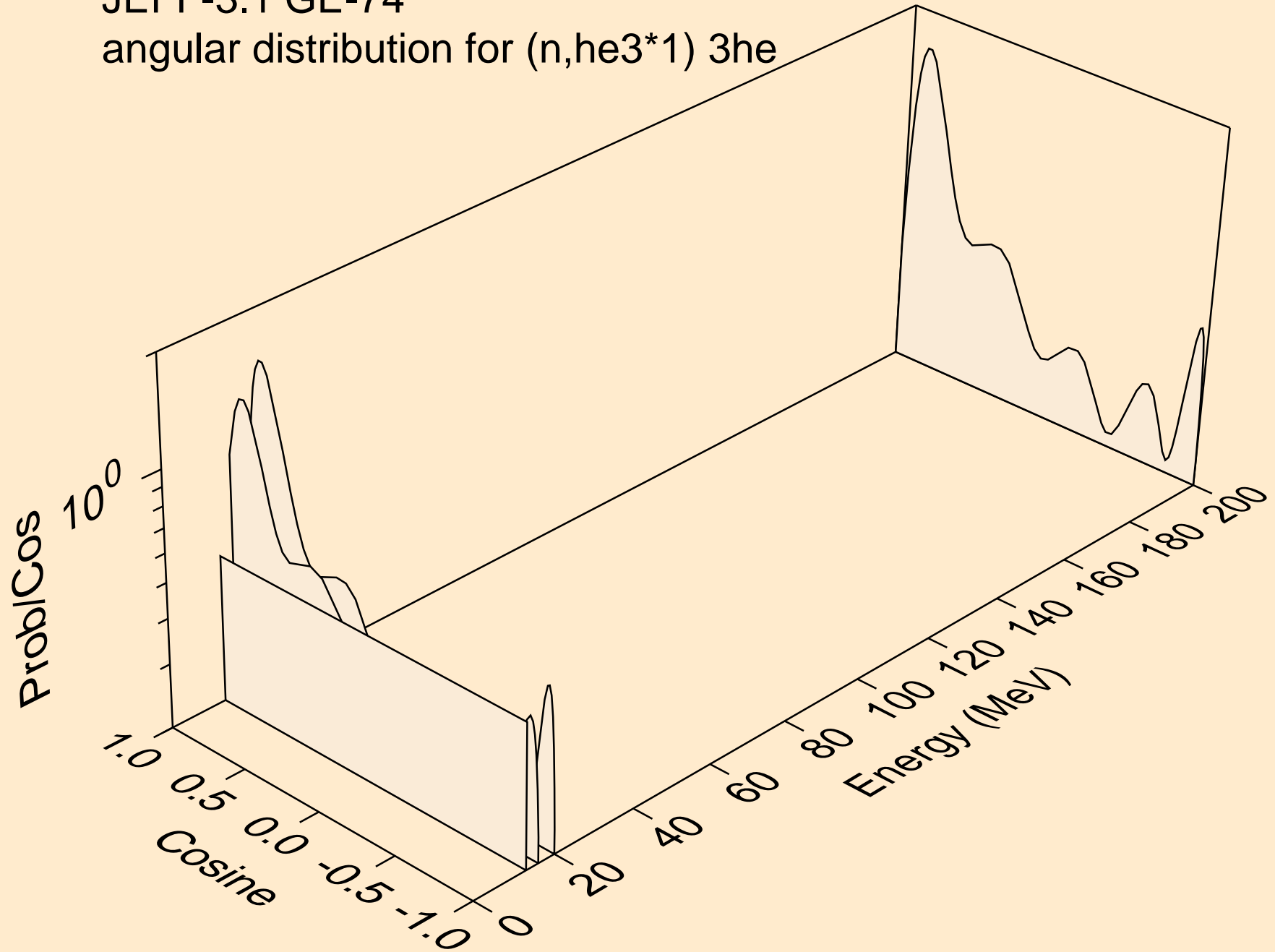


JEFF-3.1 GE-74  
angular distribution for (n,he3\*0) 3he

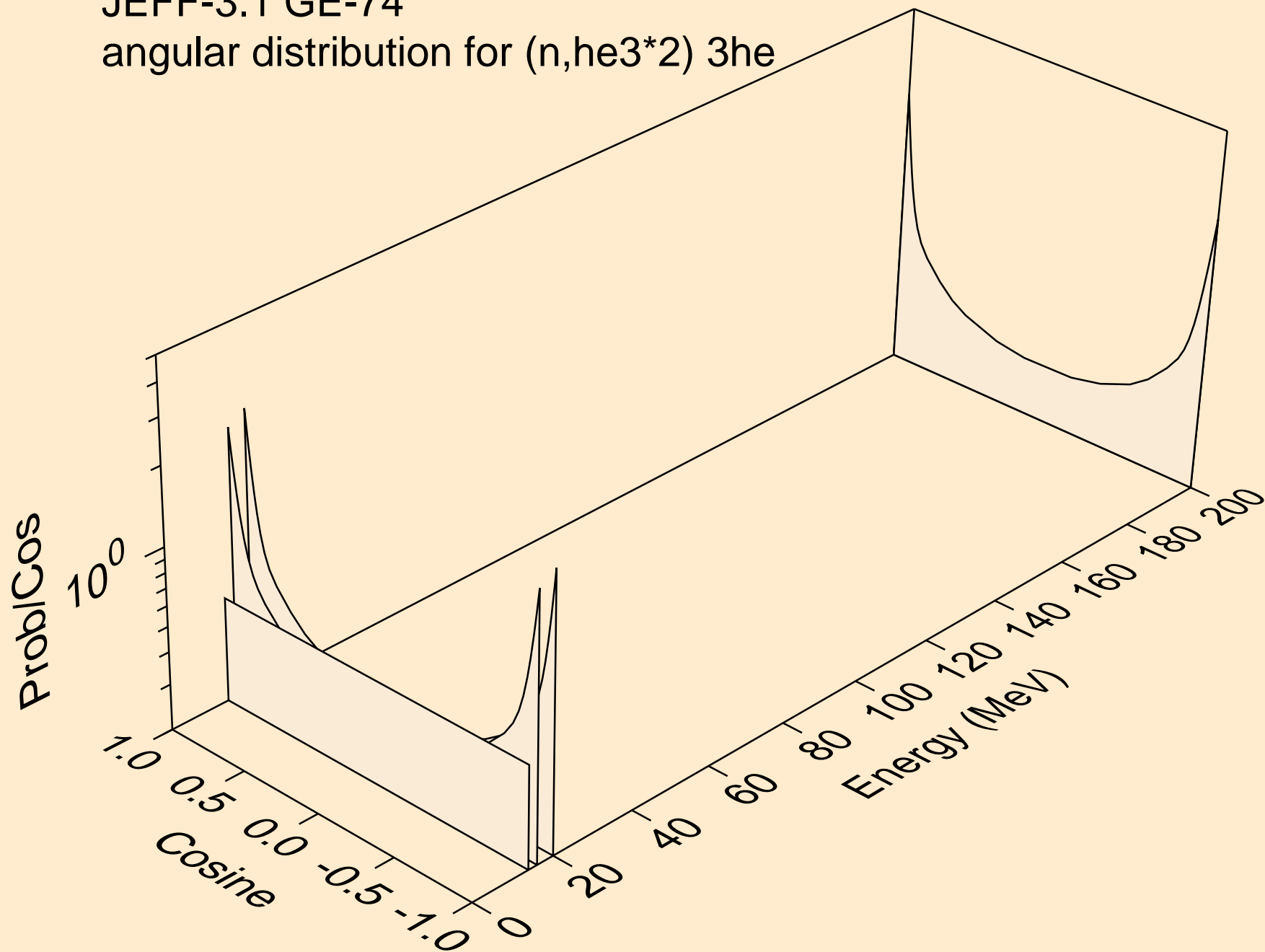


JEFF-3.1 GE-74

angular distribution for (n,he3\*1) 3he

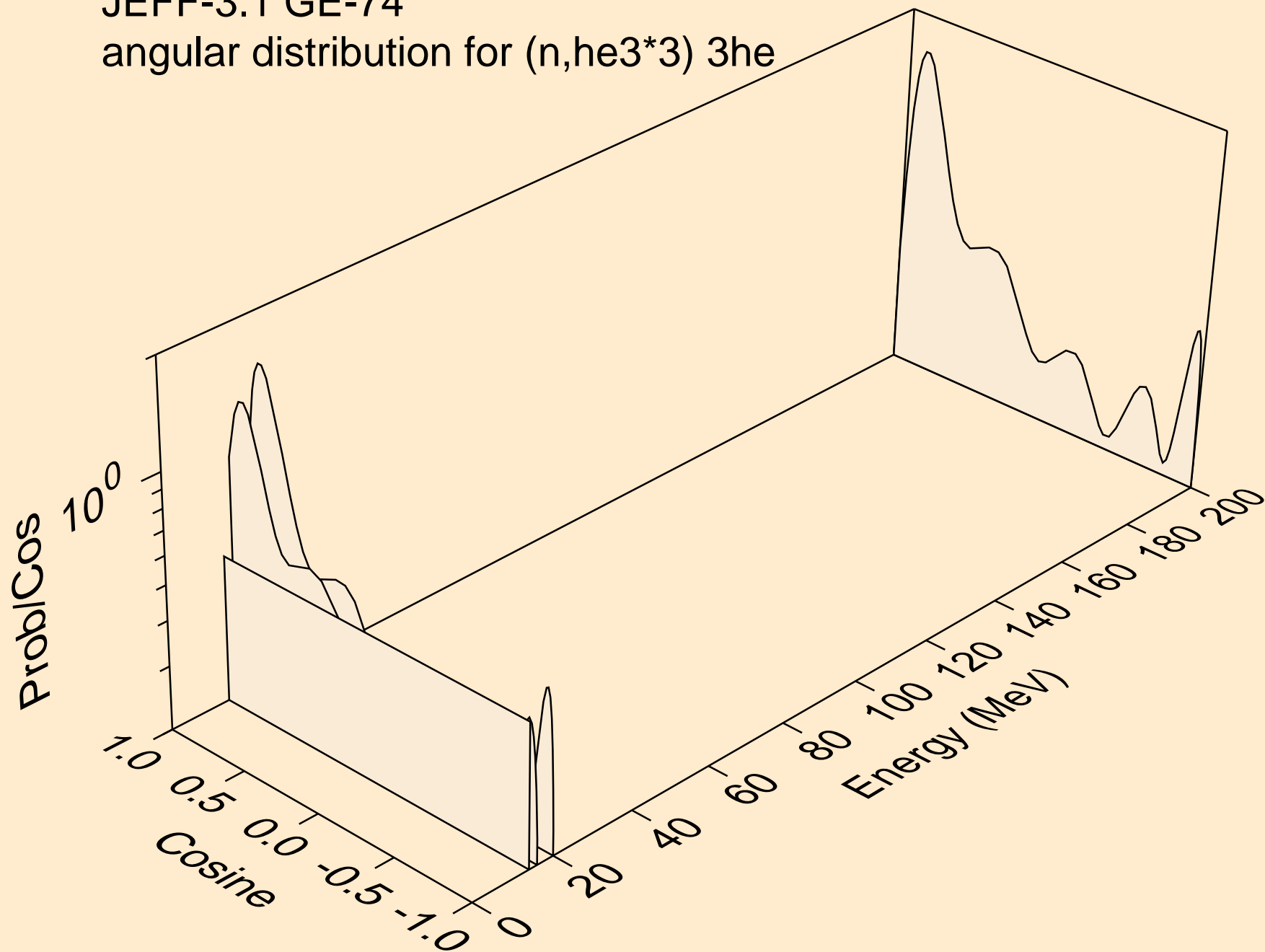


JEFF-3.1 GE-74  
angular distribution for (n,he3\*2) 3he

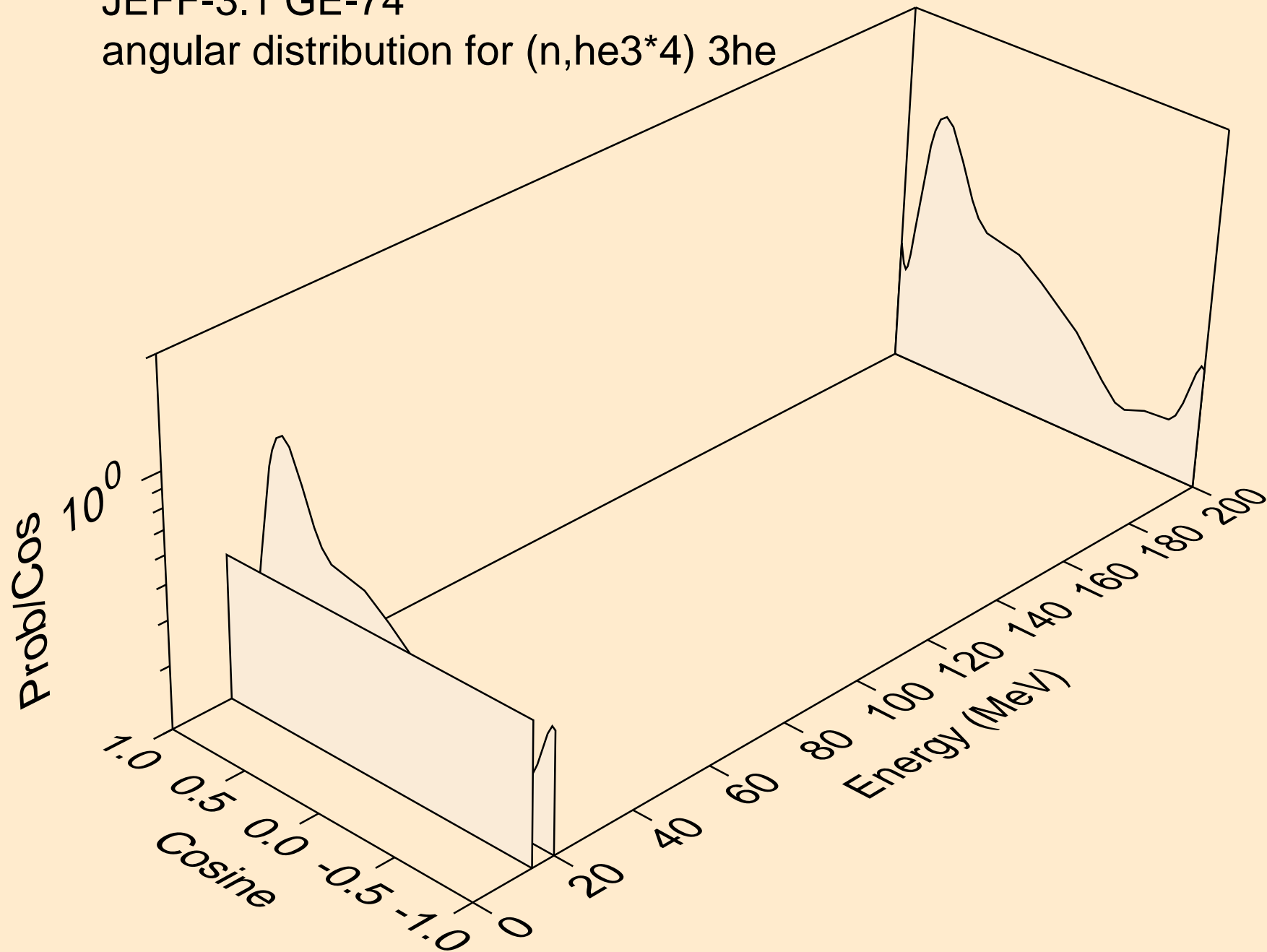


JEFF-3.1 GE-74

angular distribution for (n,he3\*3) 3he

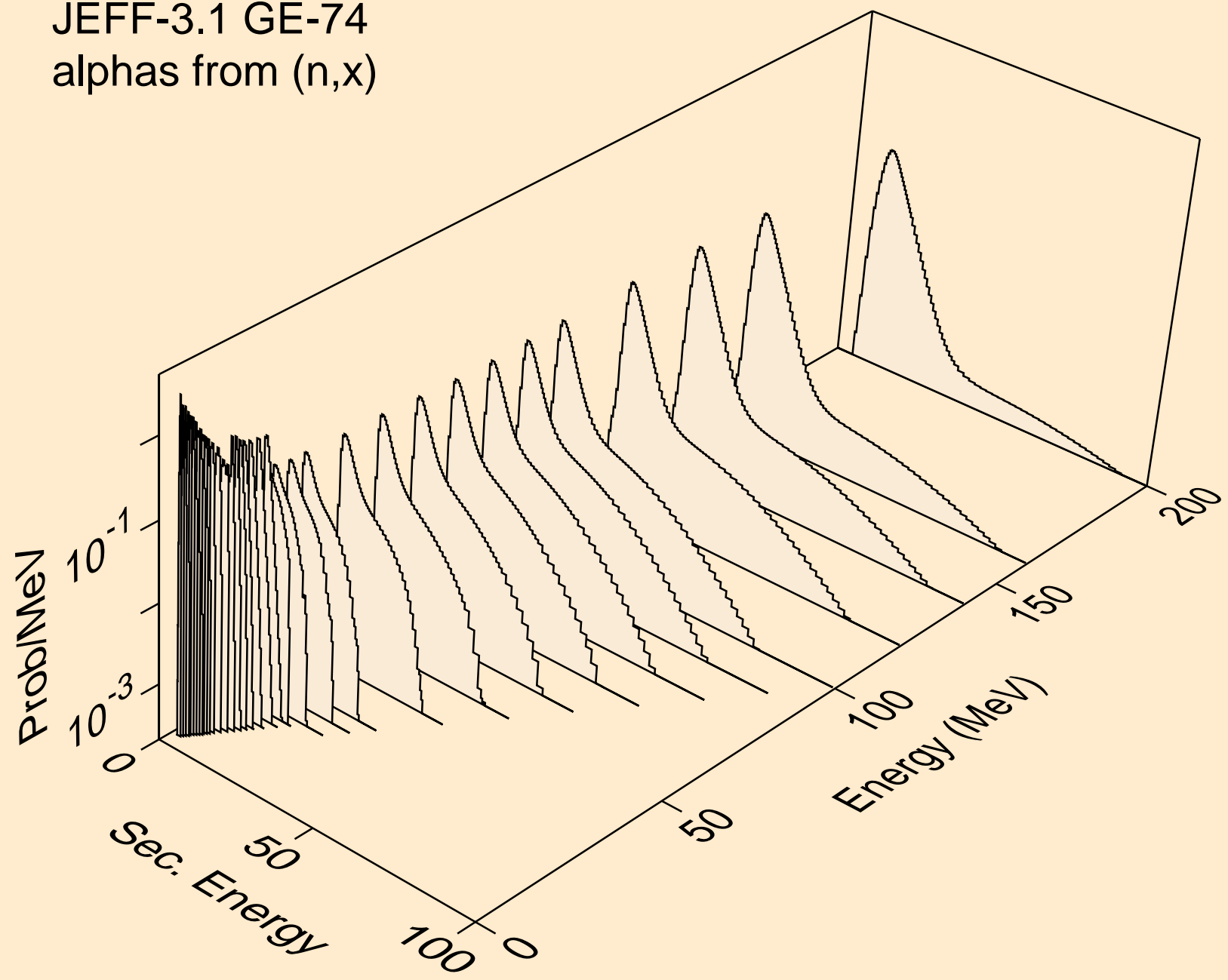


JEFF-3.1 GE-74  
angular distribution for (n,he3\*4) 3he

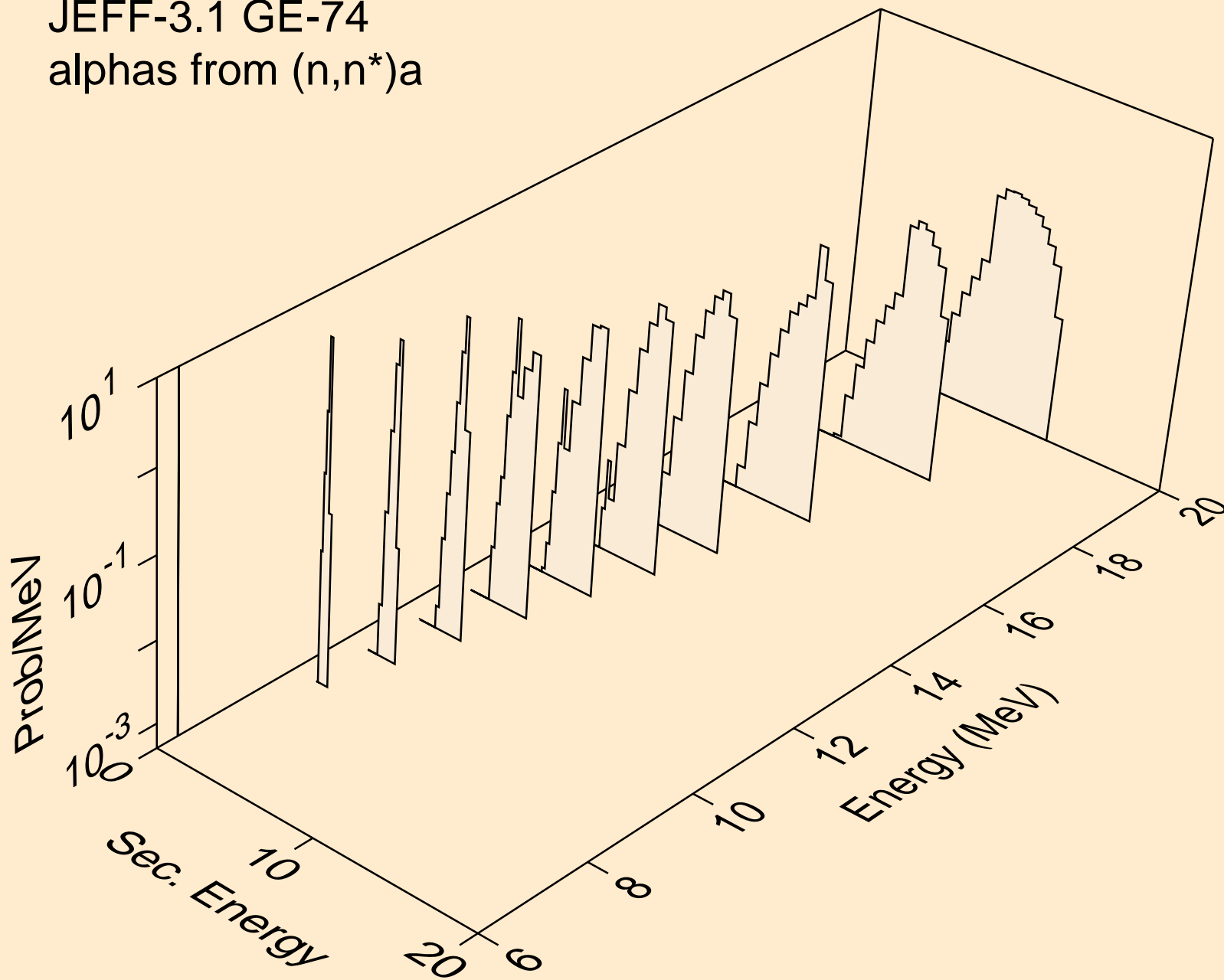




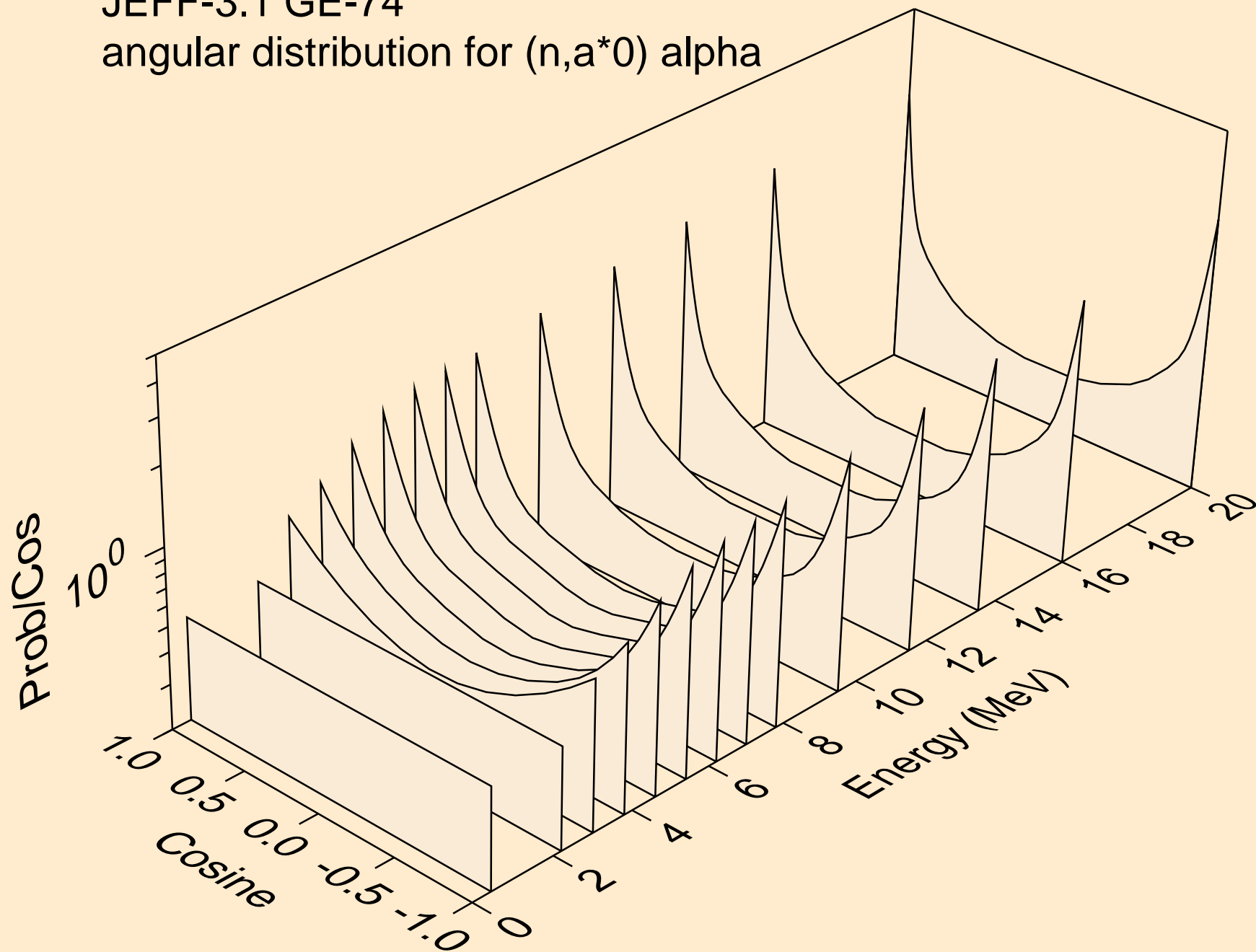
JEFF-3.1 GE-74  
alphas from (n,x)



JEFF-3.1 GE-74  
alphas from (n,n\*)a

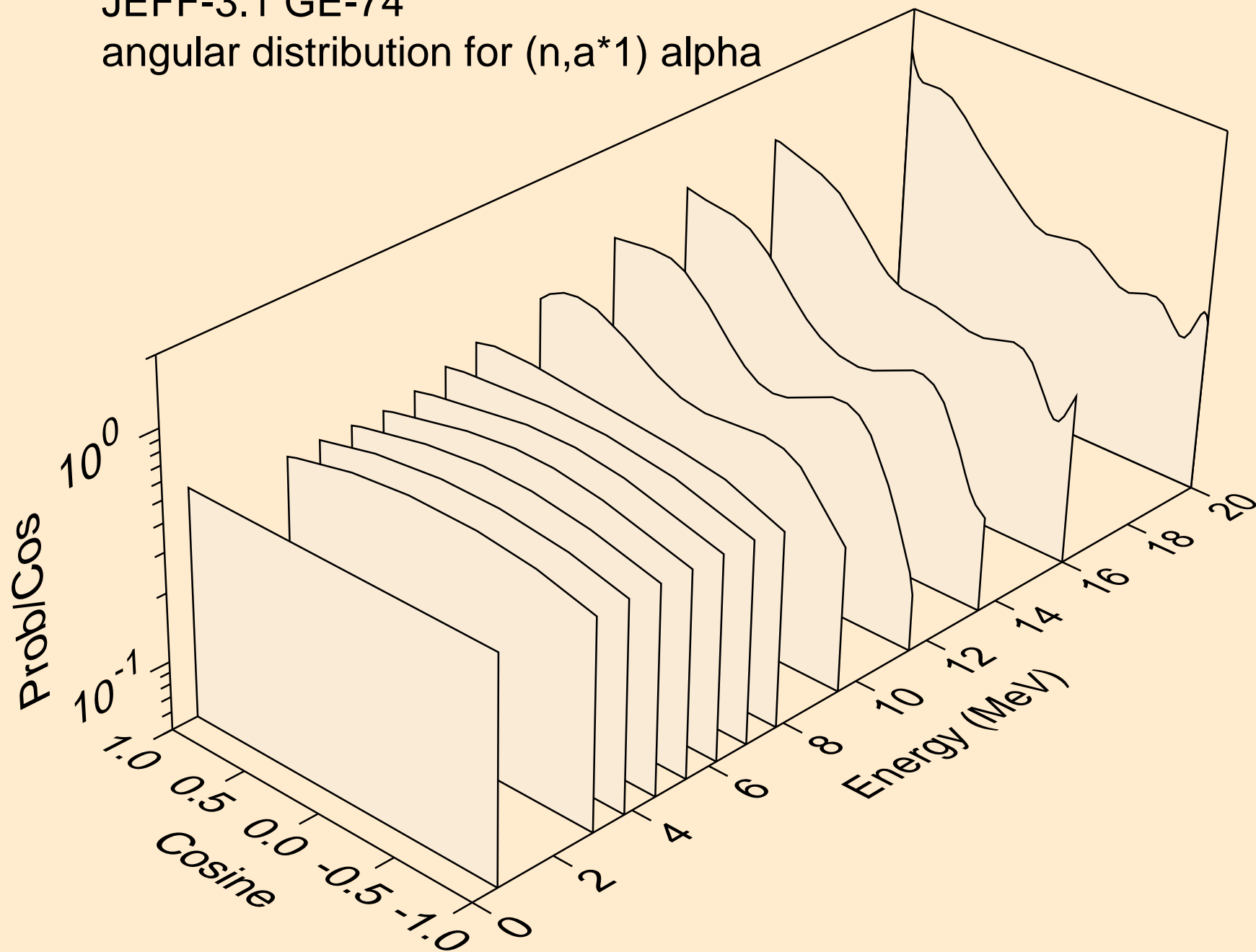


JEFF-3.1 GE-74  
angular distribution for (n,a\*0) alpha



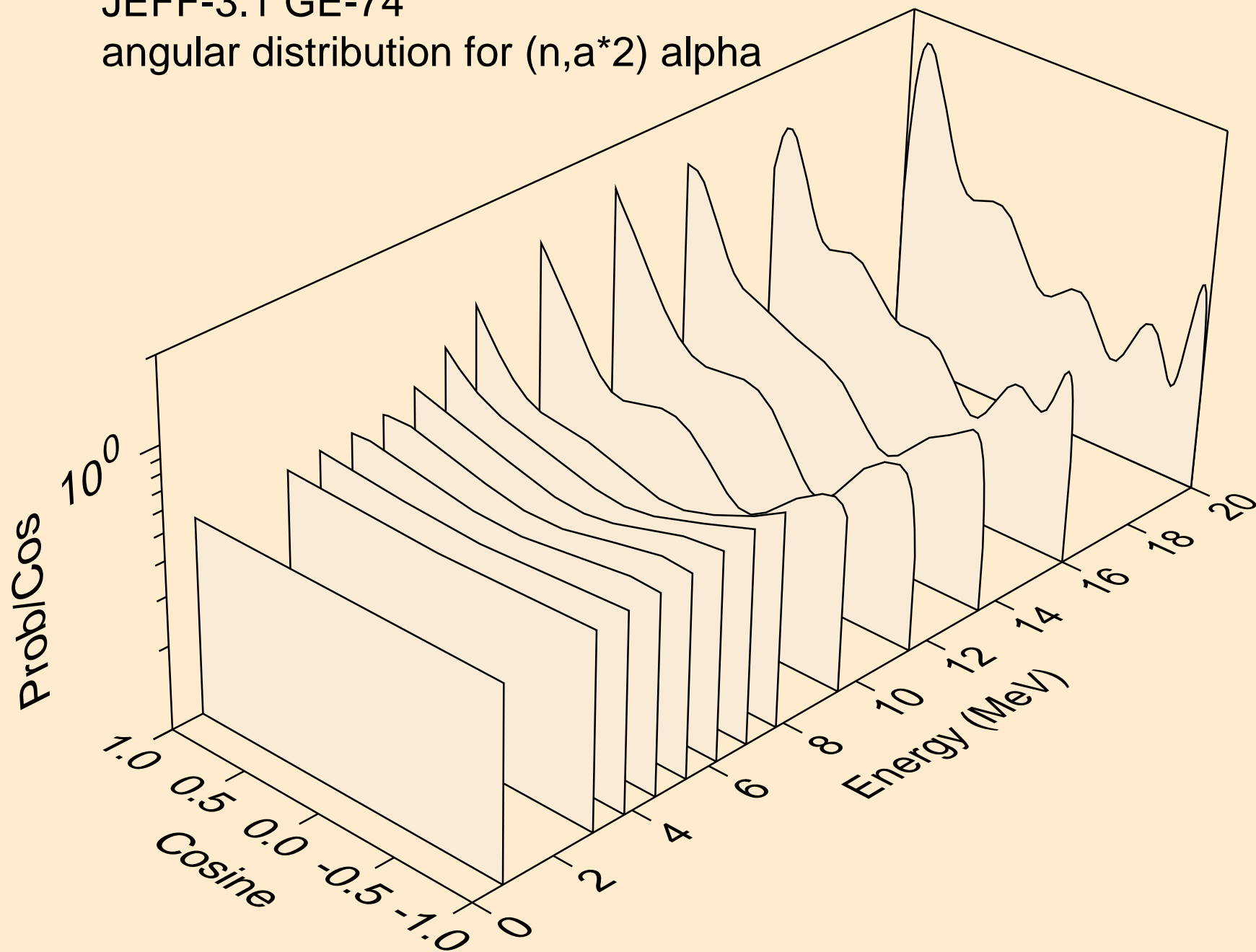
JEFF-3.1 GE-74

angular distribution for (n,a\*1) alpha



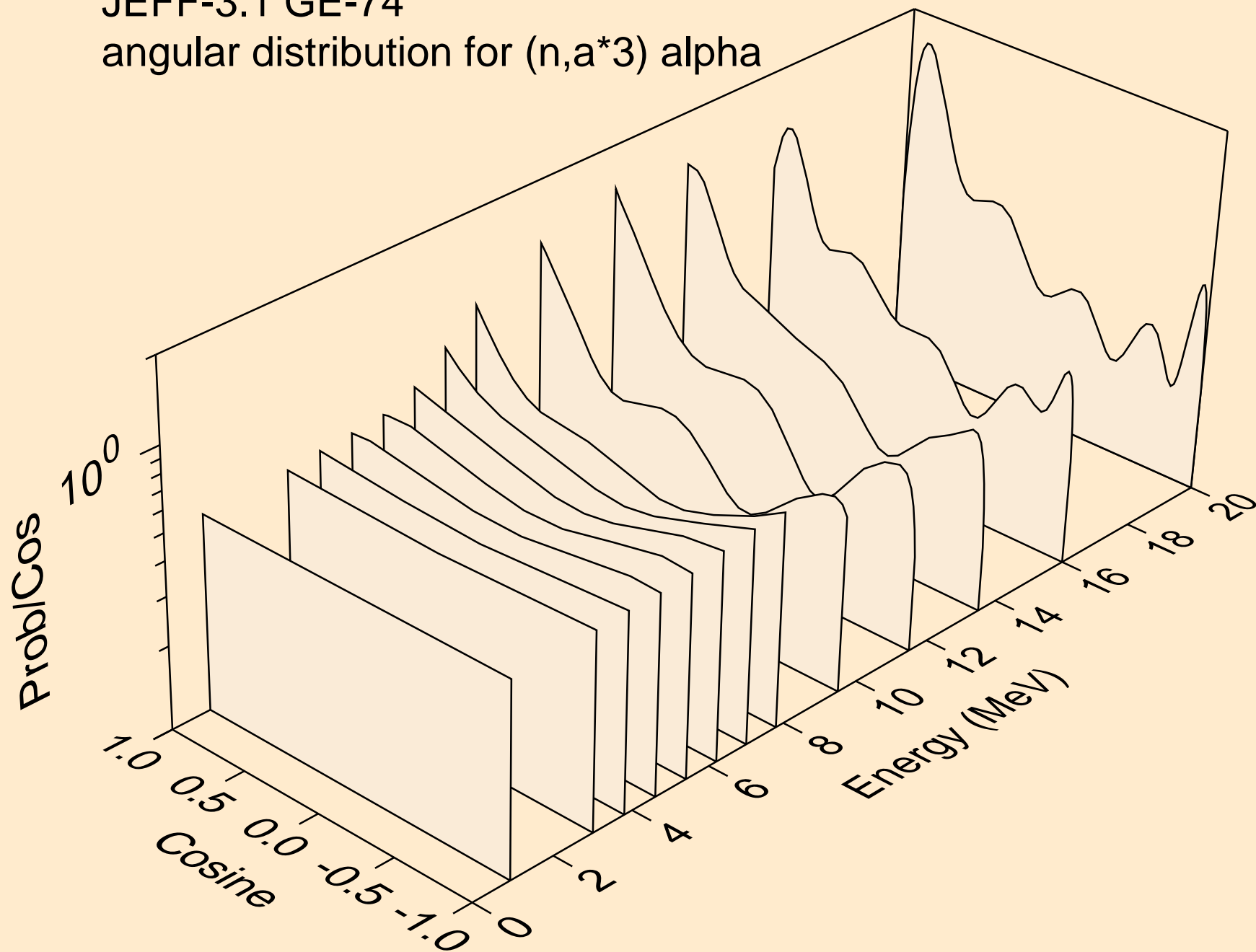
JEFF-3.1 GE-74

angular distribution for (n,a\*2) alpha

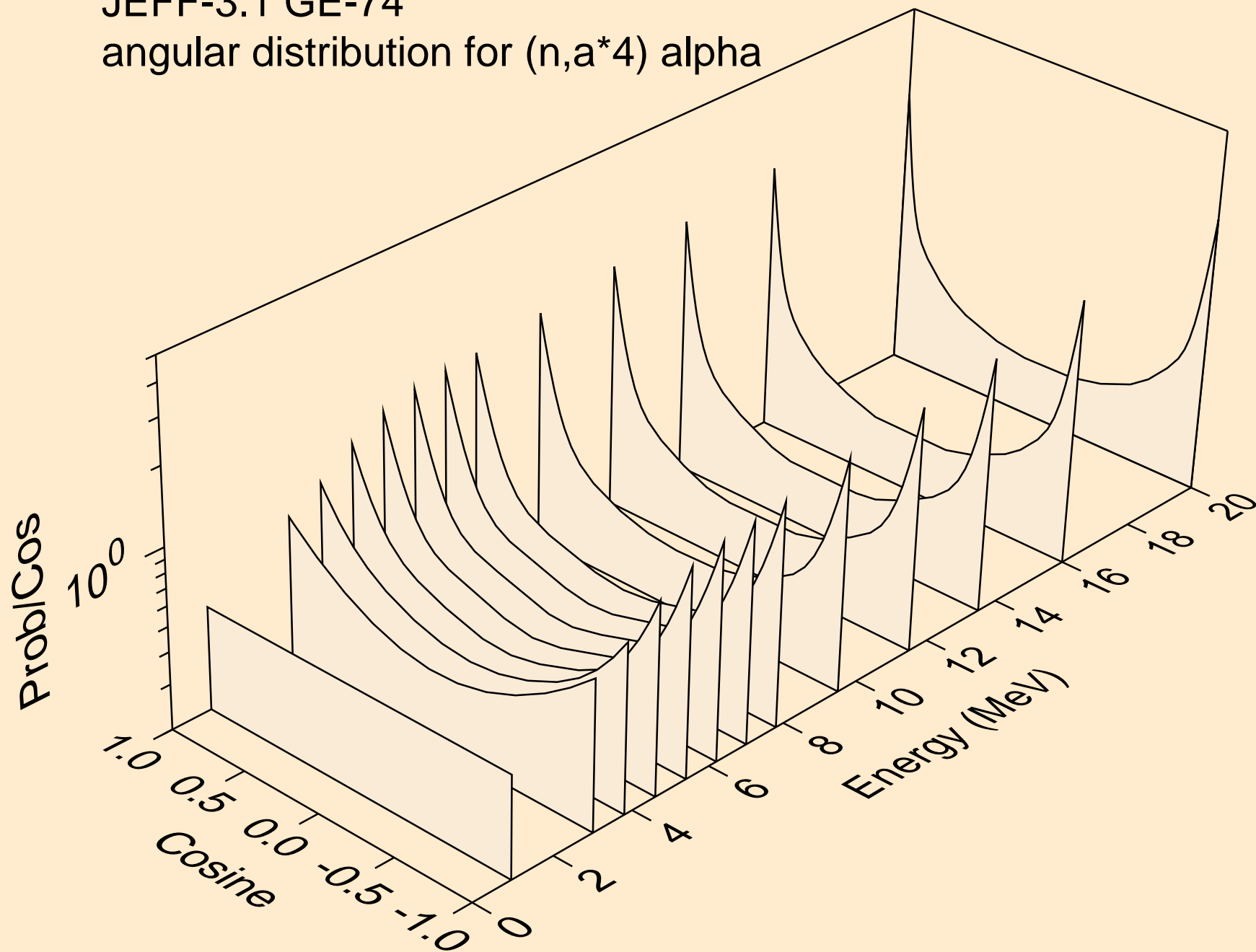


JEFF-3.1 GE-74

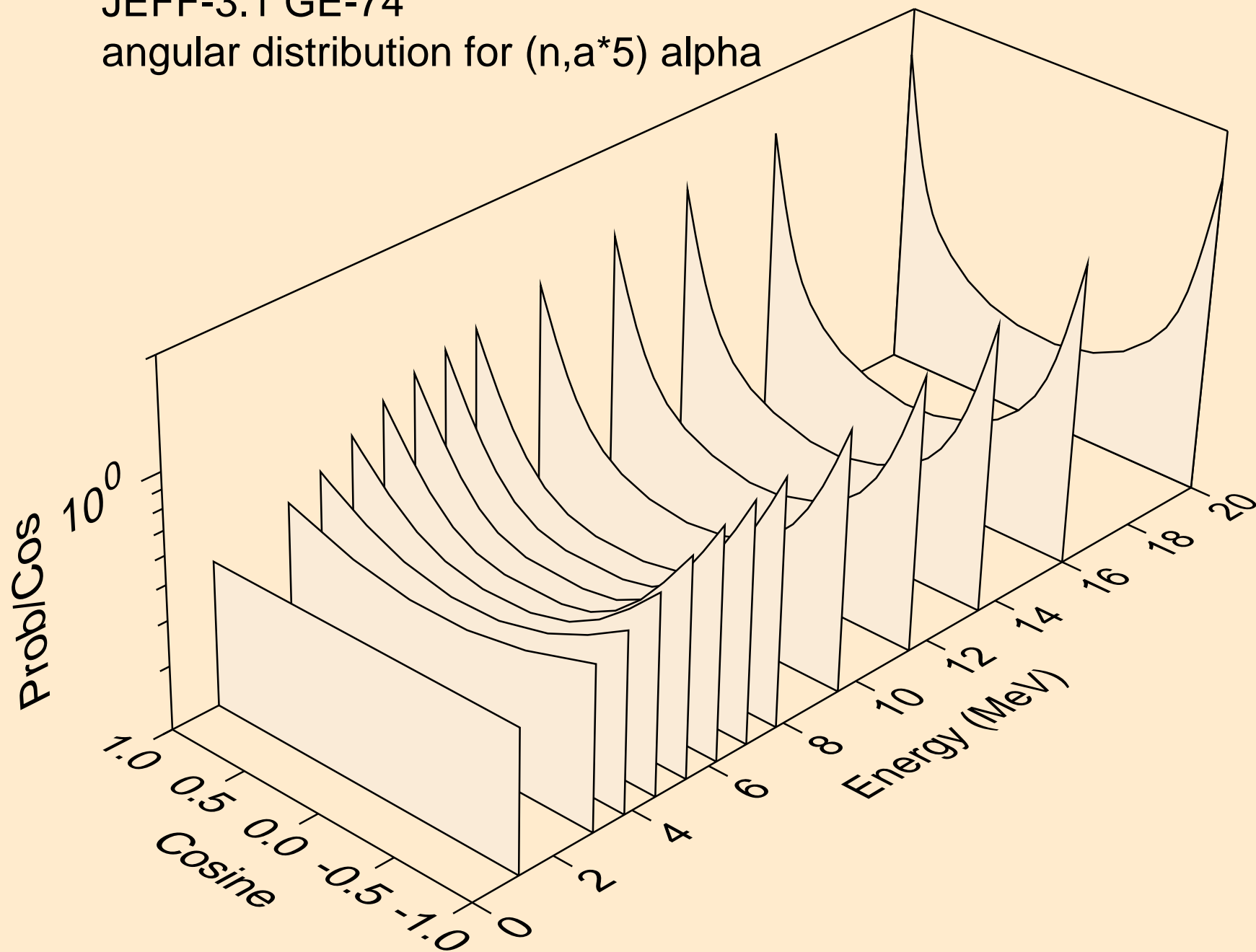
angular distribution for (n,a\*3) alpha



JEFF-3.1 GE-74  
angular distribution for (n, $\alpha$ \*4) alpha

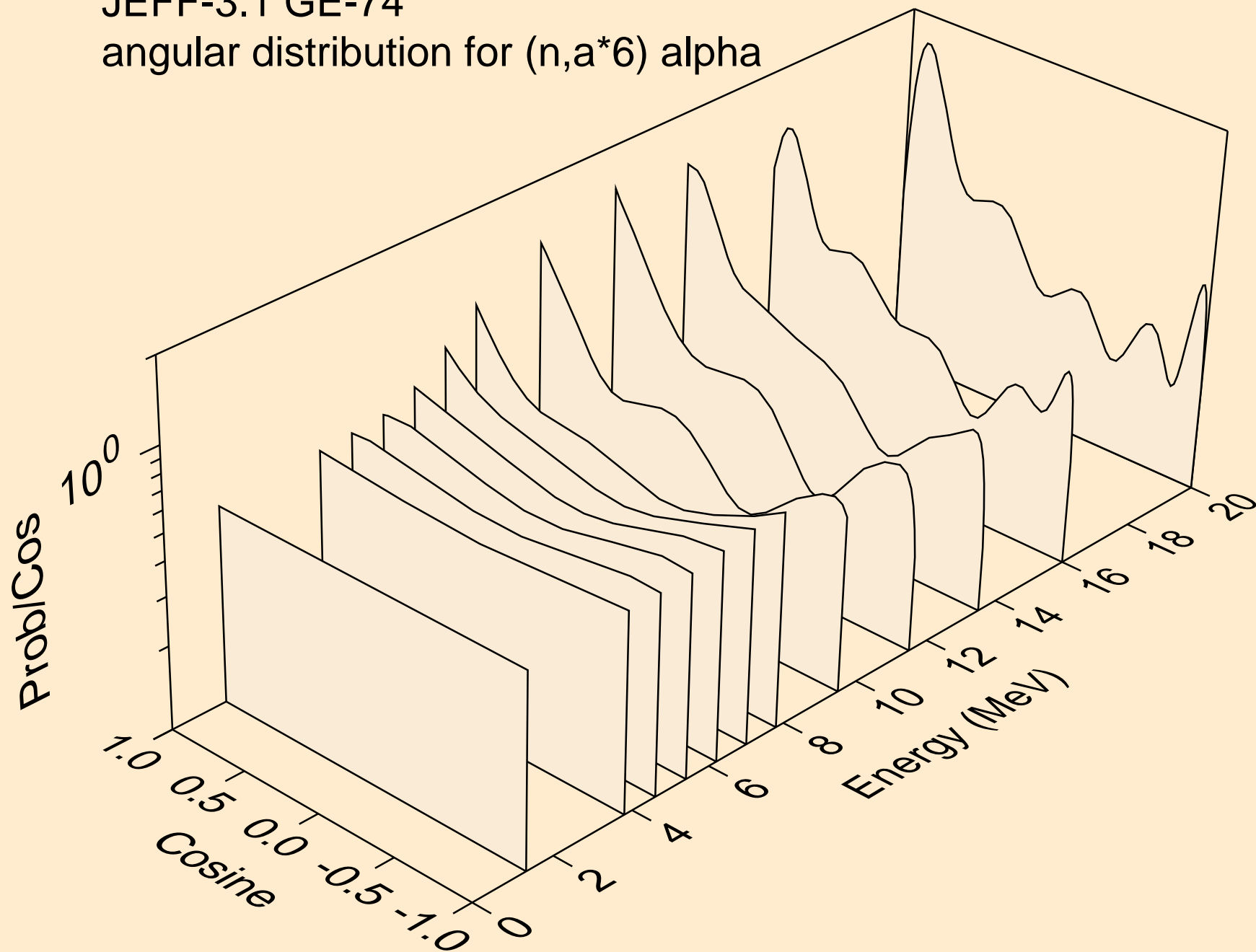


JEFF-3.1 GE-74  
angular distribution for (n,a\*5) alpha

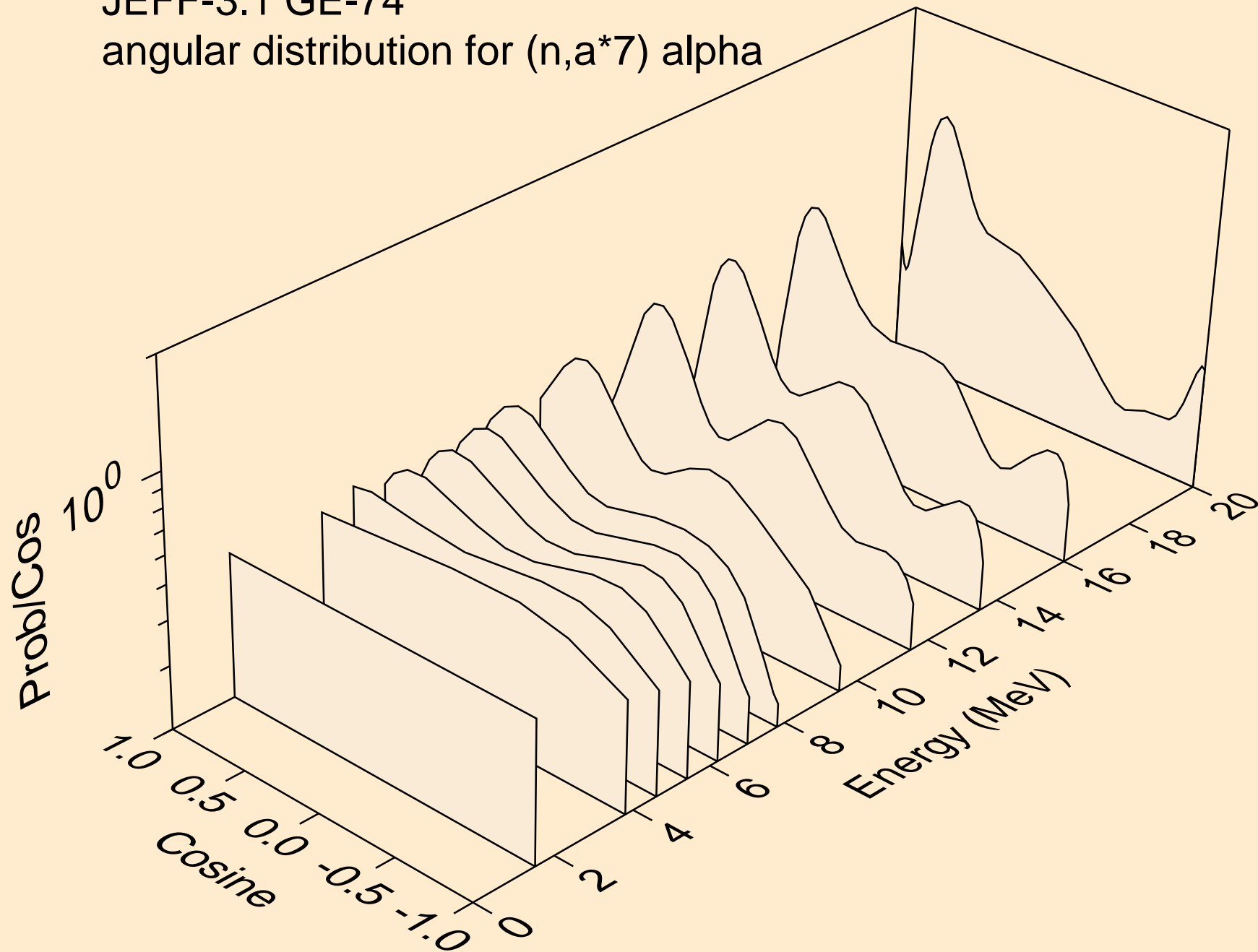




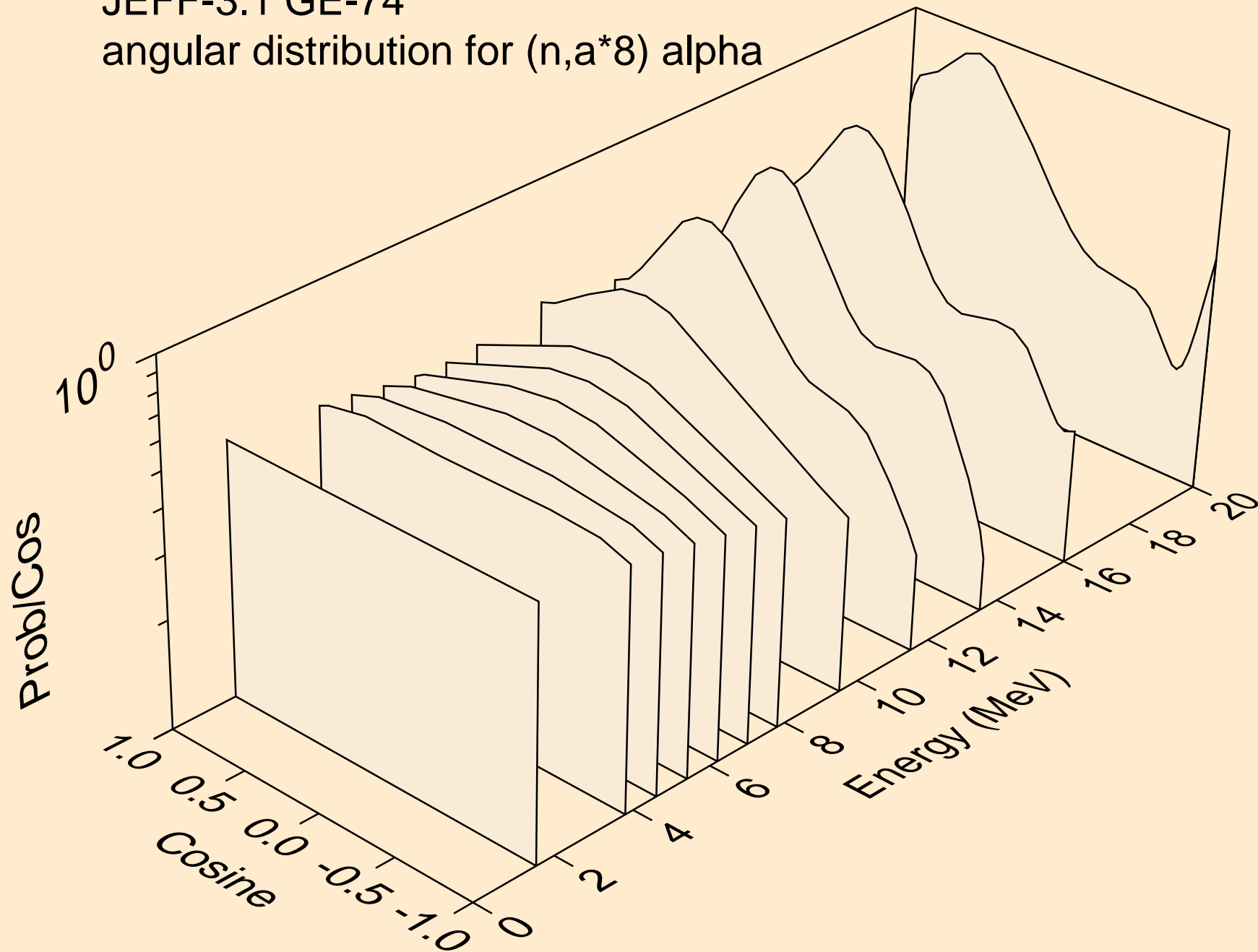
JEFF-3.1 GE-74  
angular distribution for (n,a\*6) alpha



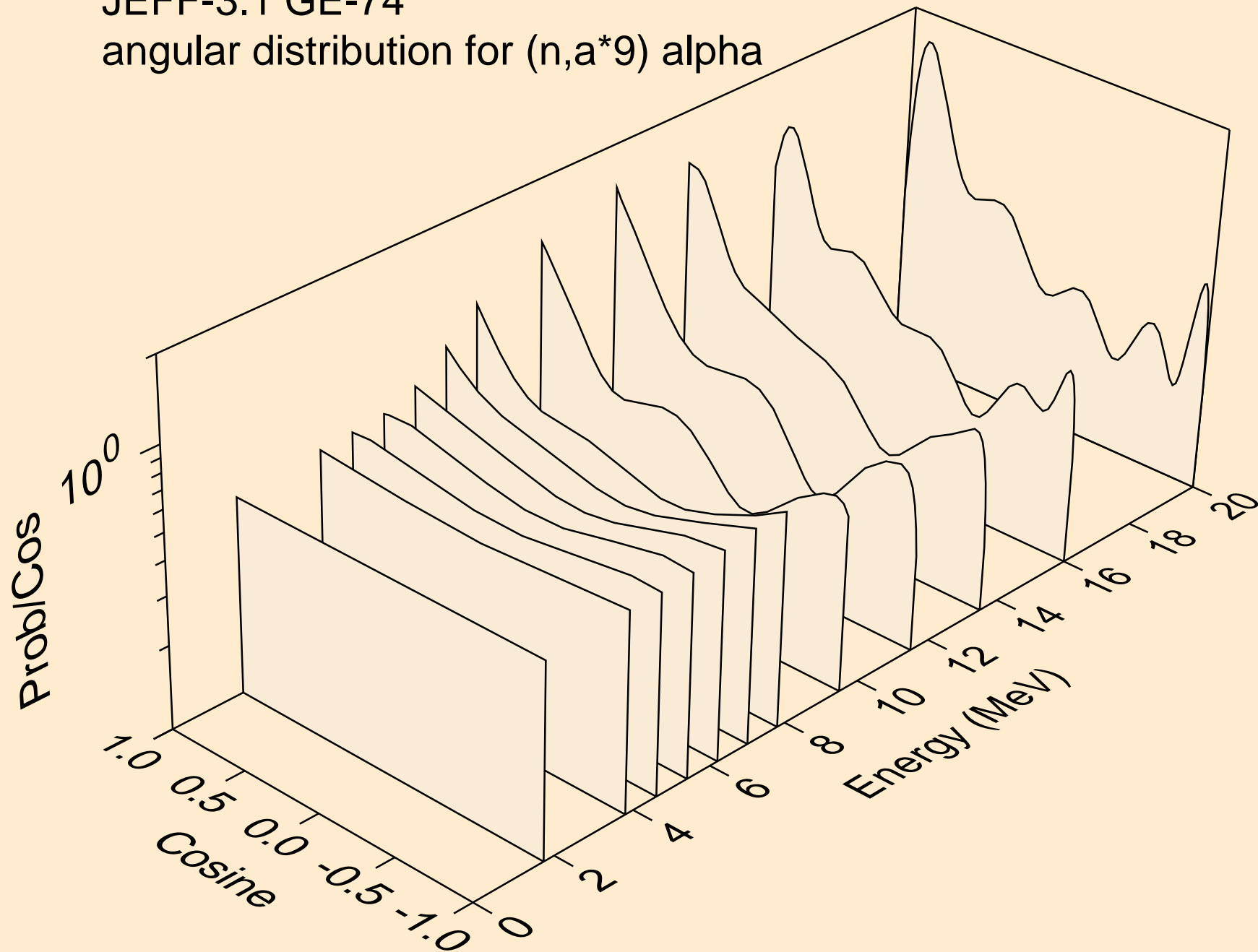
JEFF-3.1 GE-74  
angular distribution for (n,a\*7) alpha



JEFF-3.1 GE-74  
angular distribution for (n,a\*8) alpha

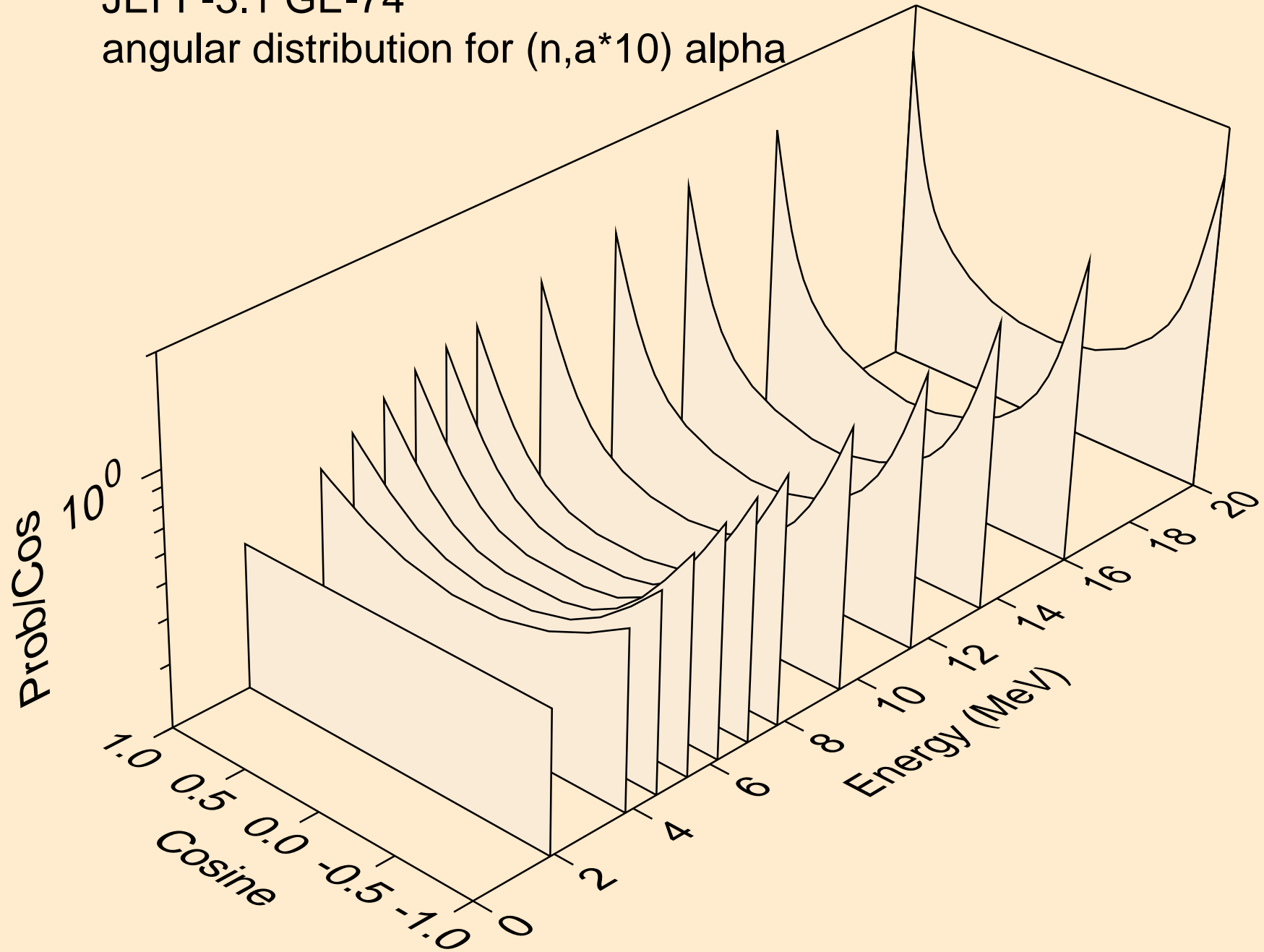


JEFF-3.1 GE-74  
angular distribution for (n,a\*9) alpha



JEFF-3.1 GE-74

angular distribution for (n,a\*10) alpha



JEFF-3.1 GE-74  
alphas from (n,a\*c)

