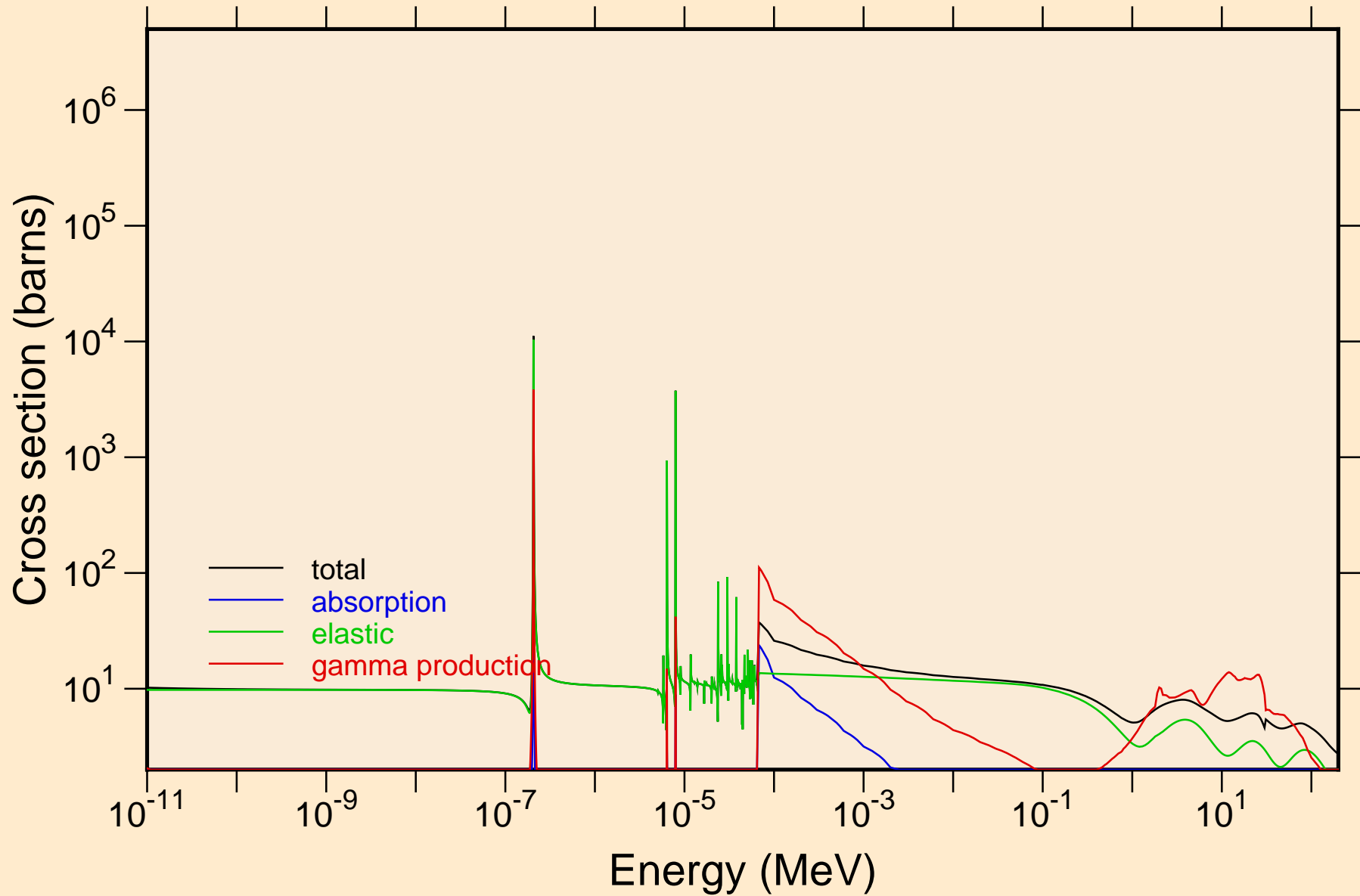
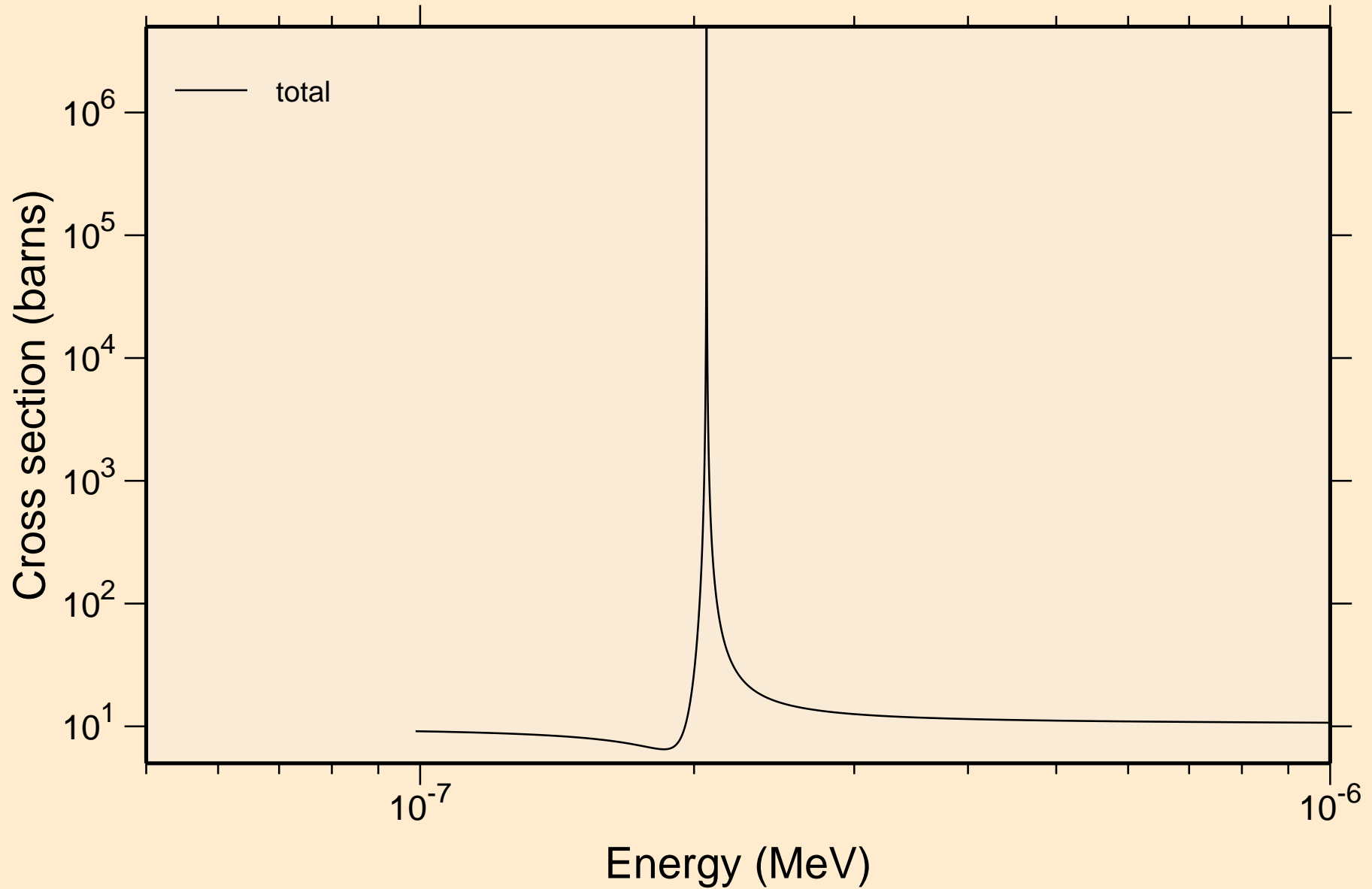


# RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

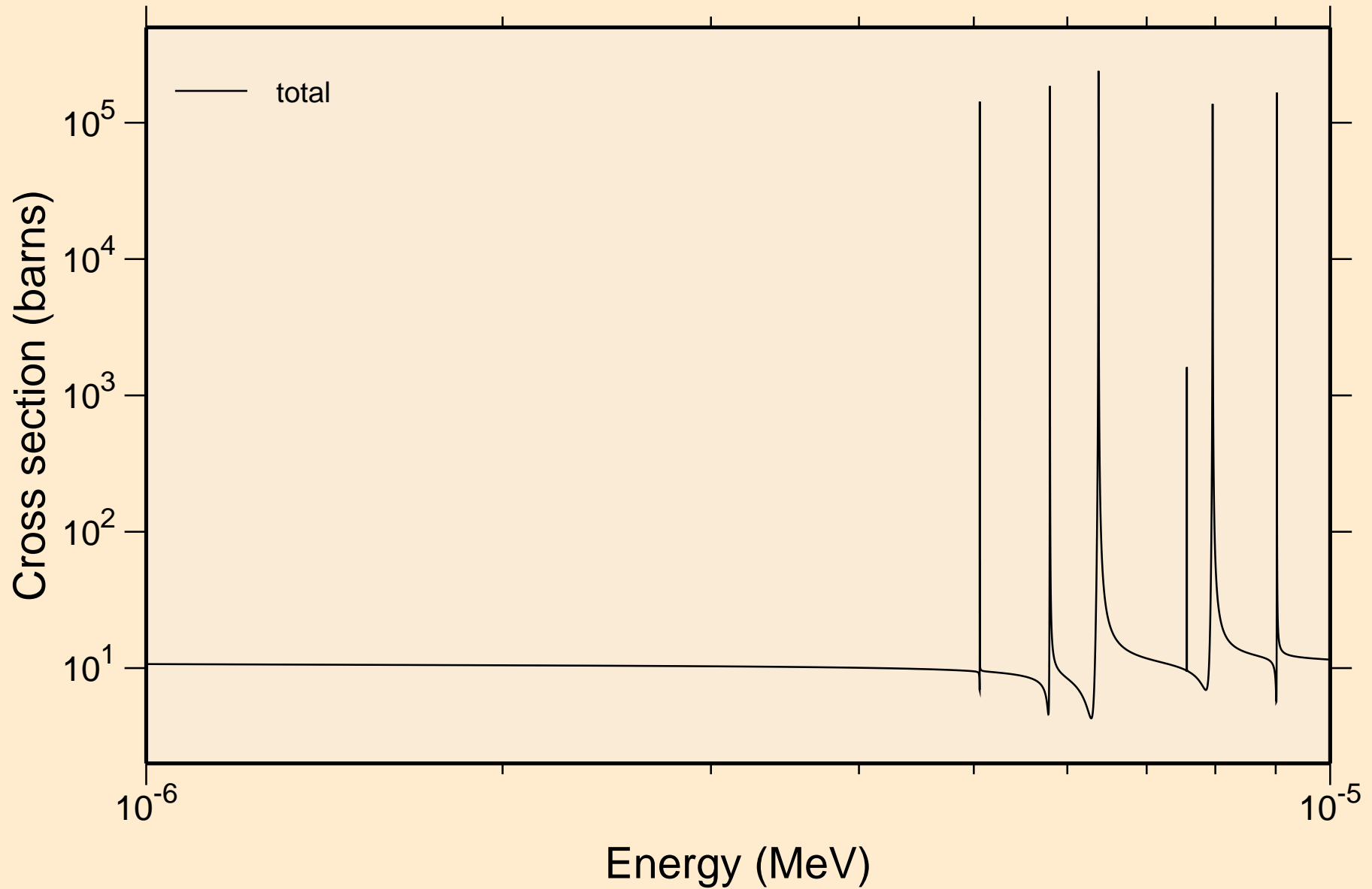
## Principal cross sections



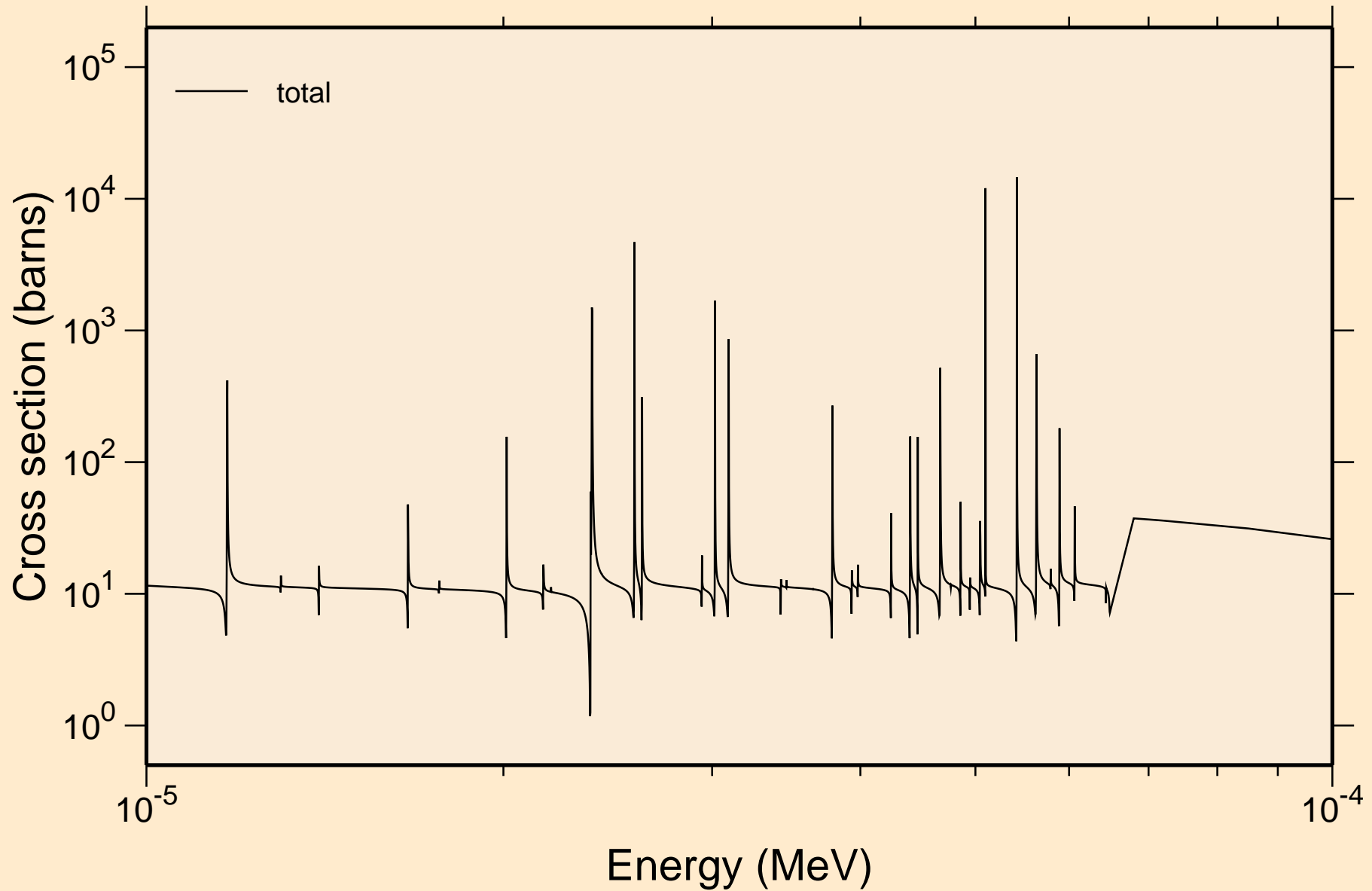
RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



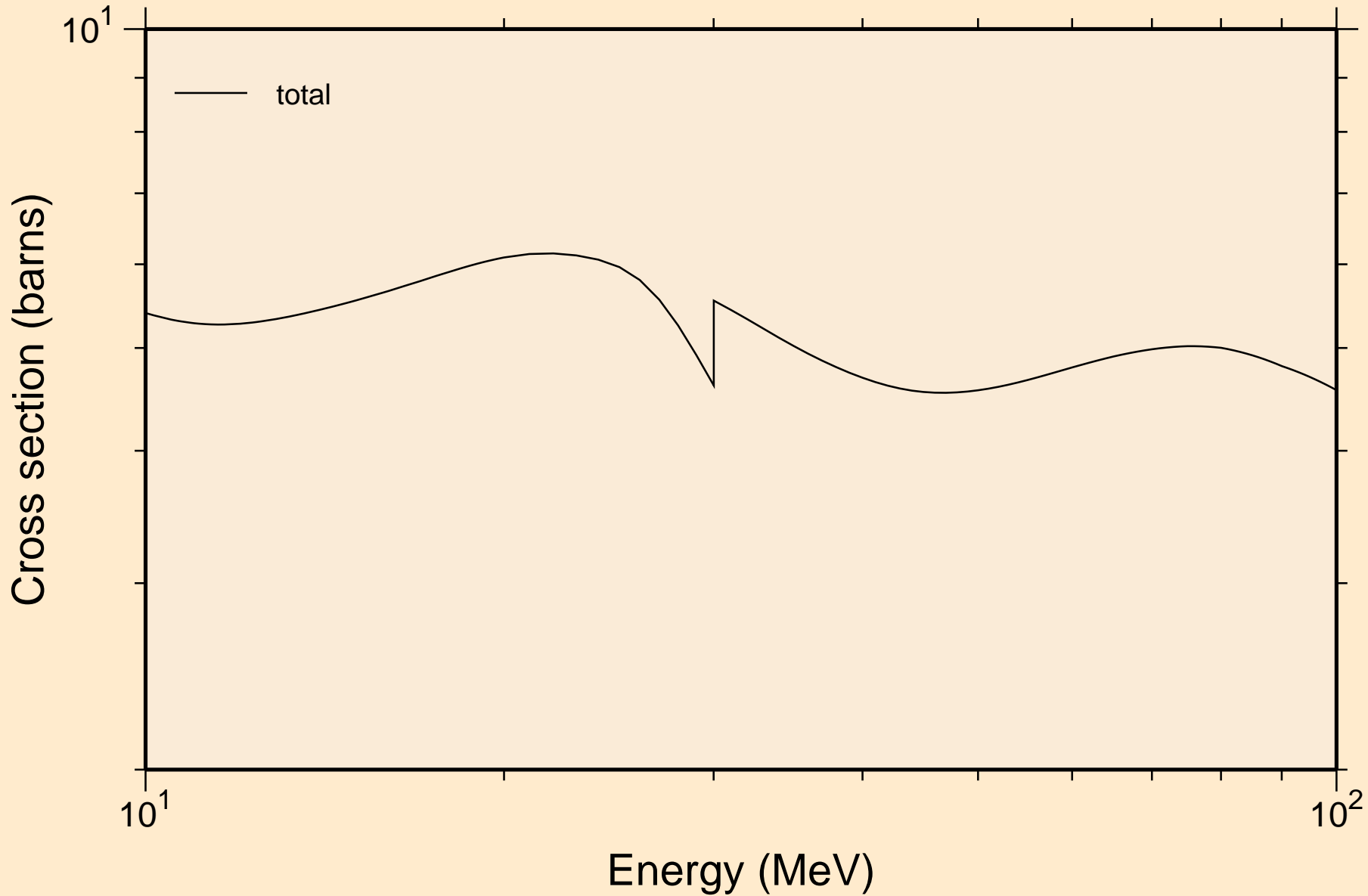
RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



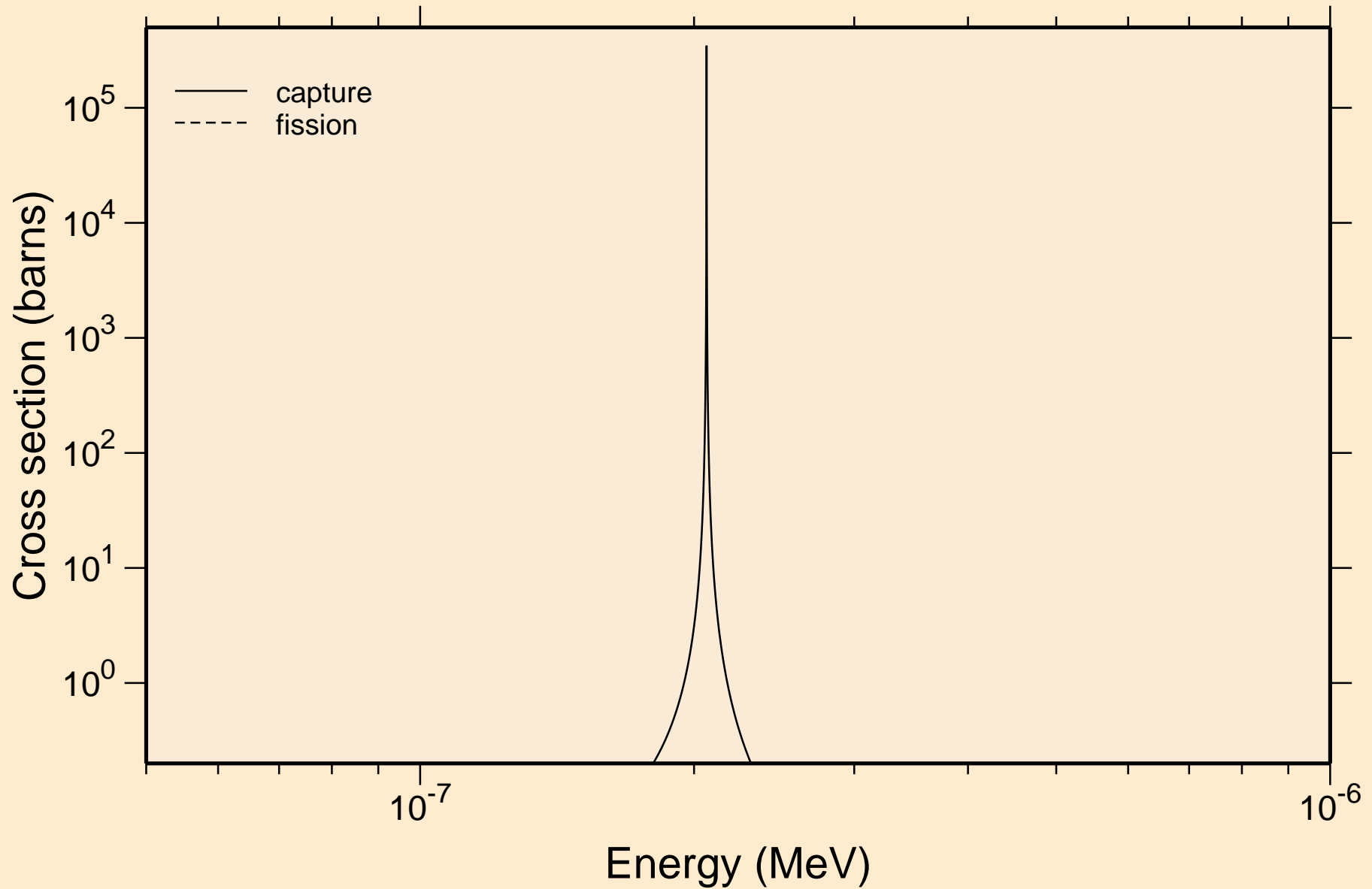
RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



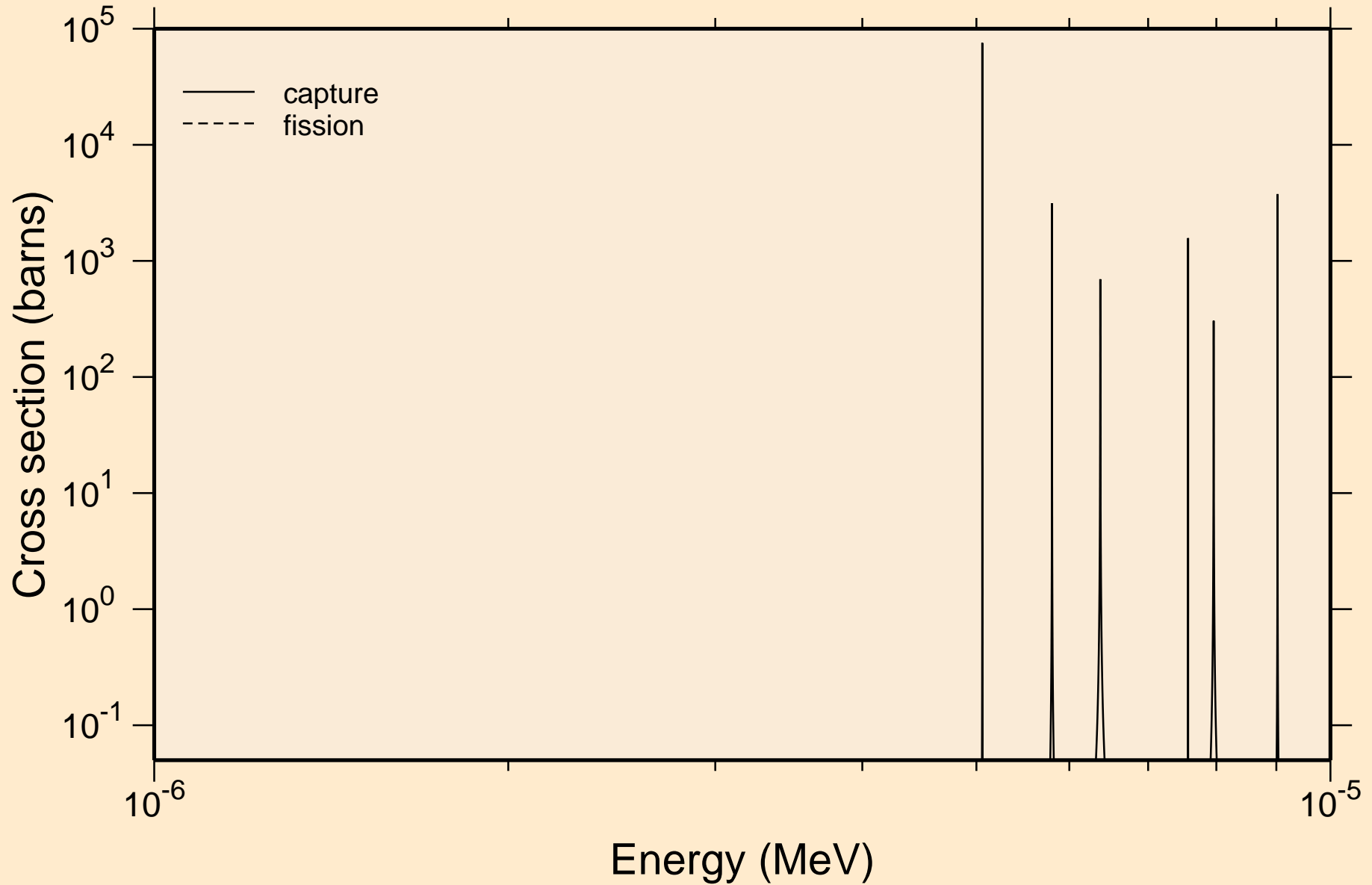
RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



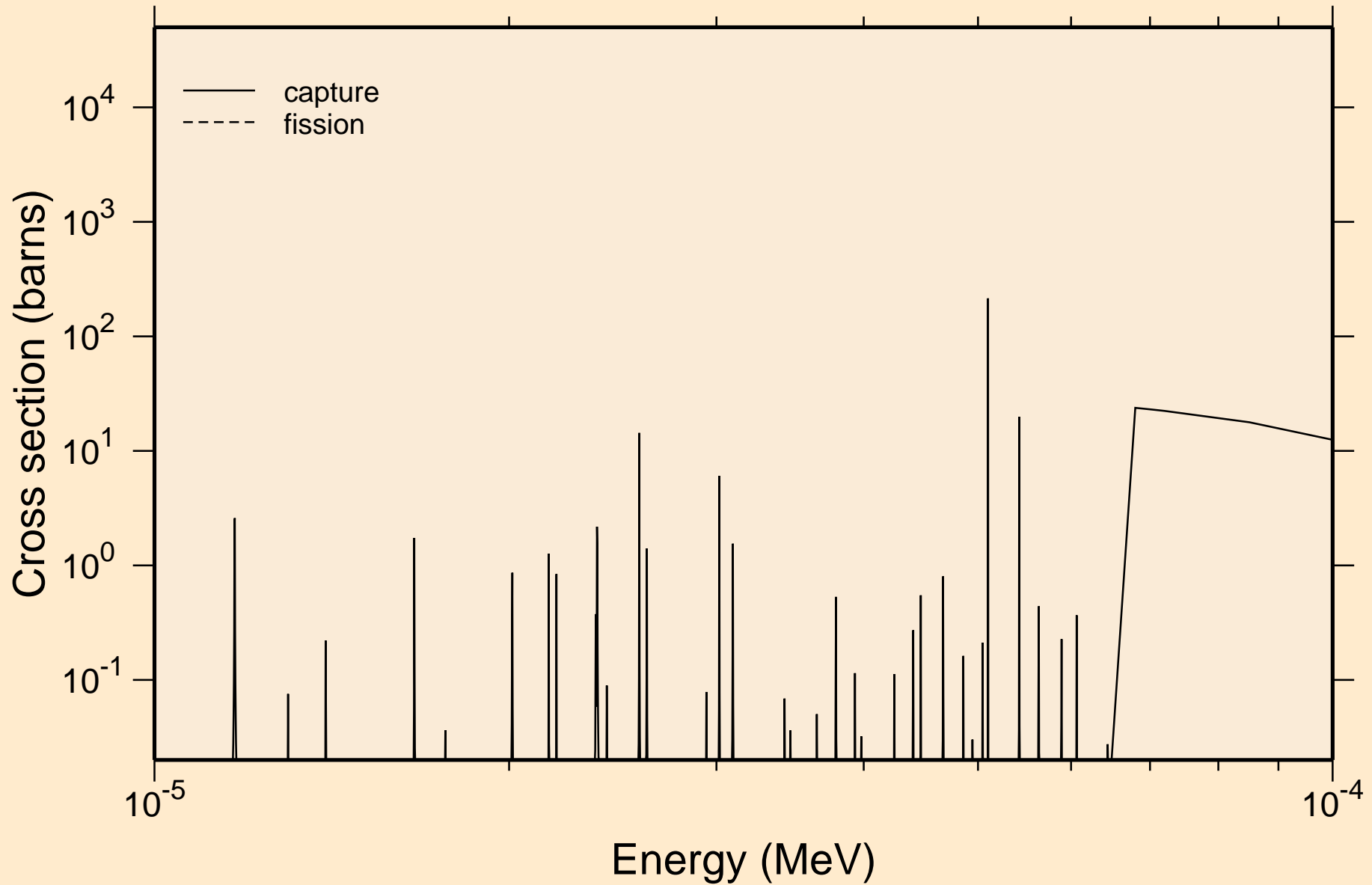
RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections

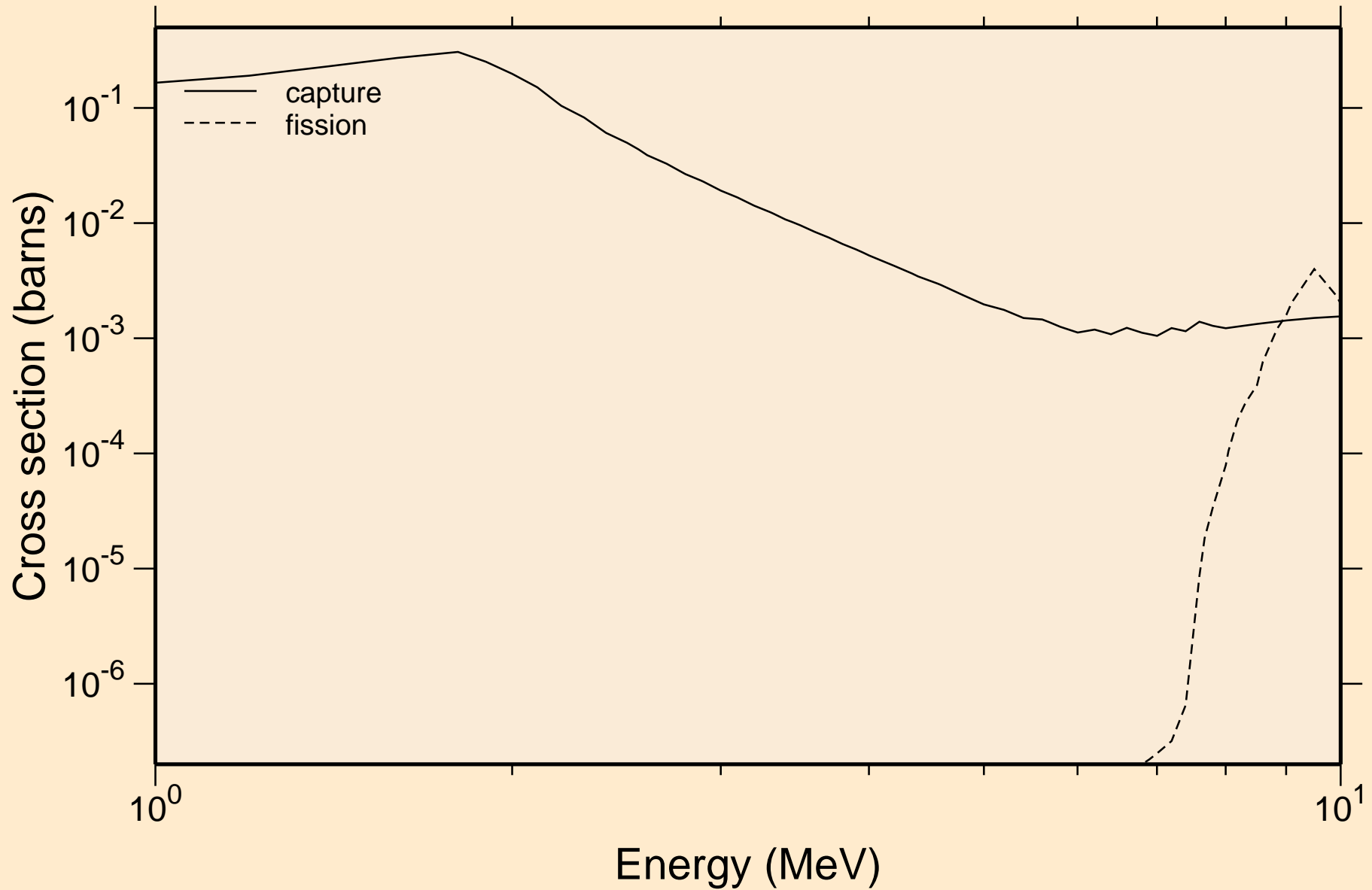


RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



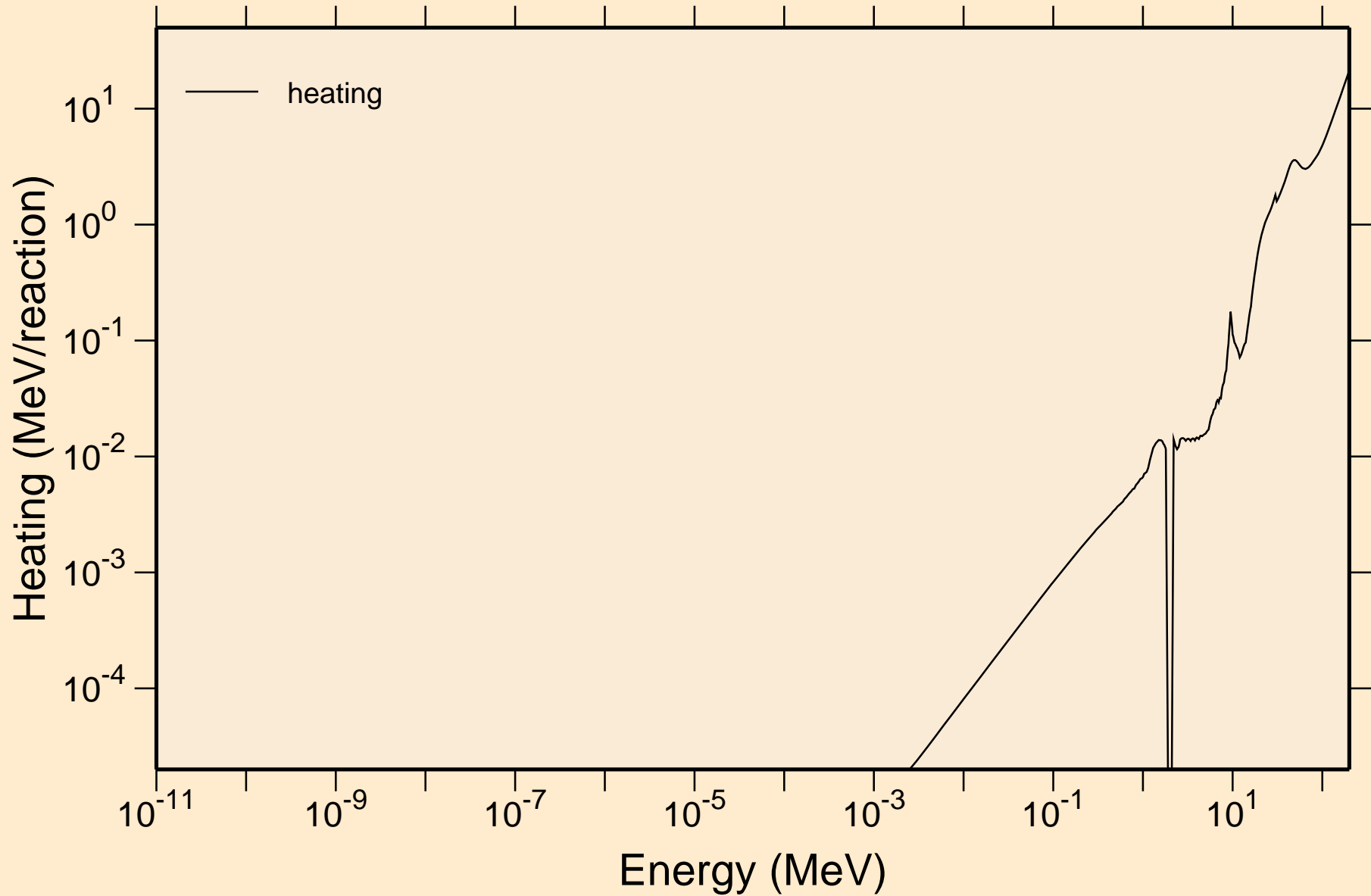


RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



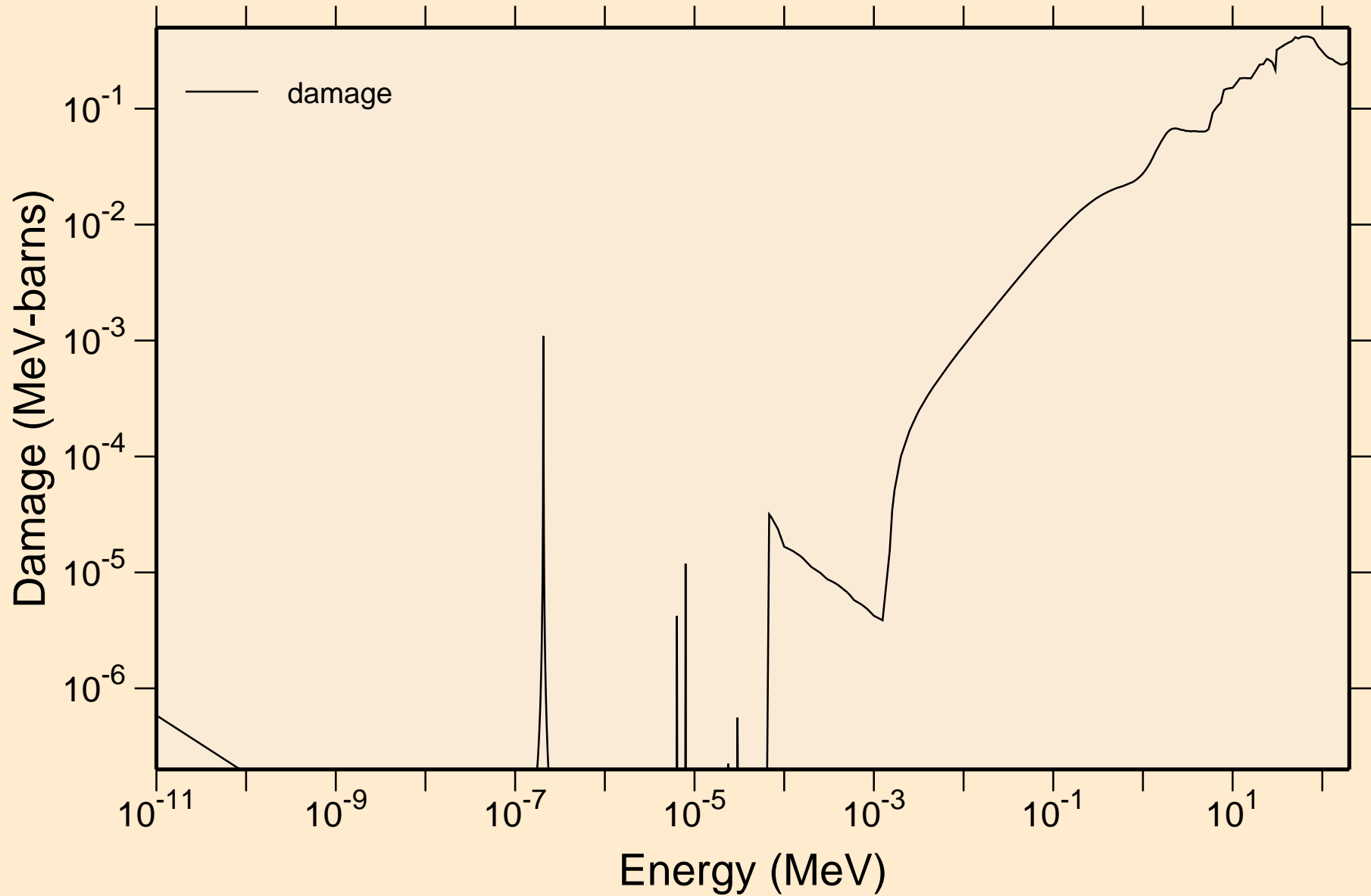
# RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Heating



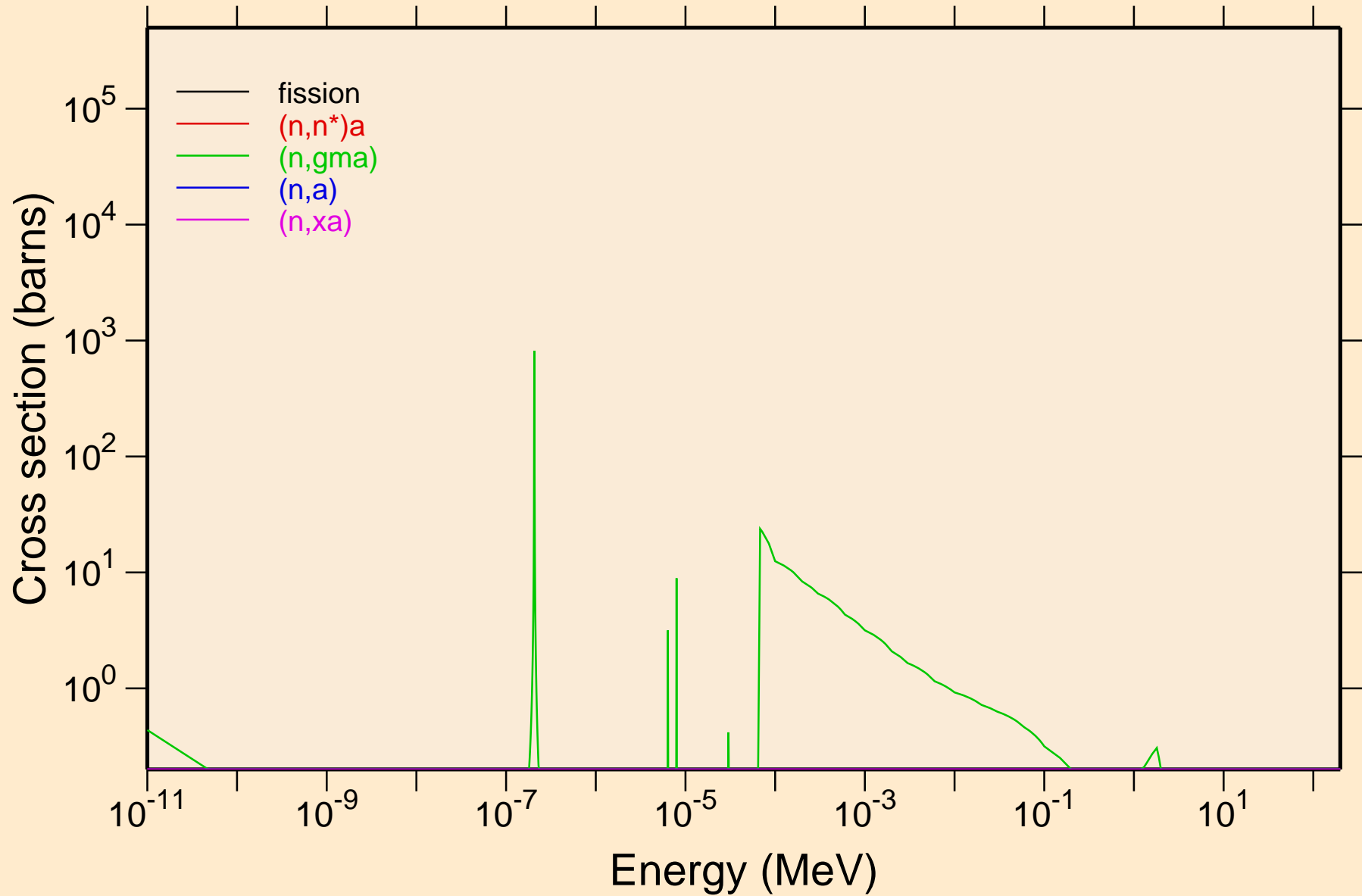
# RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Damage



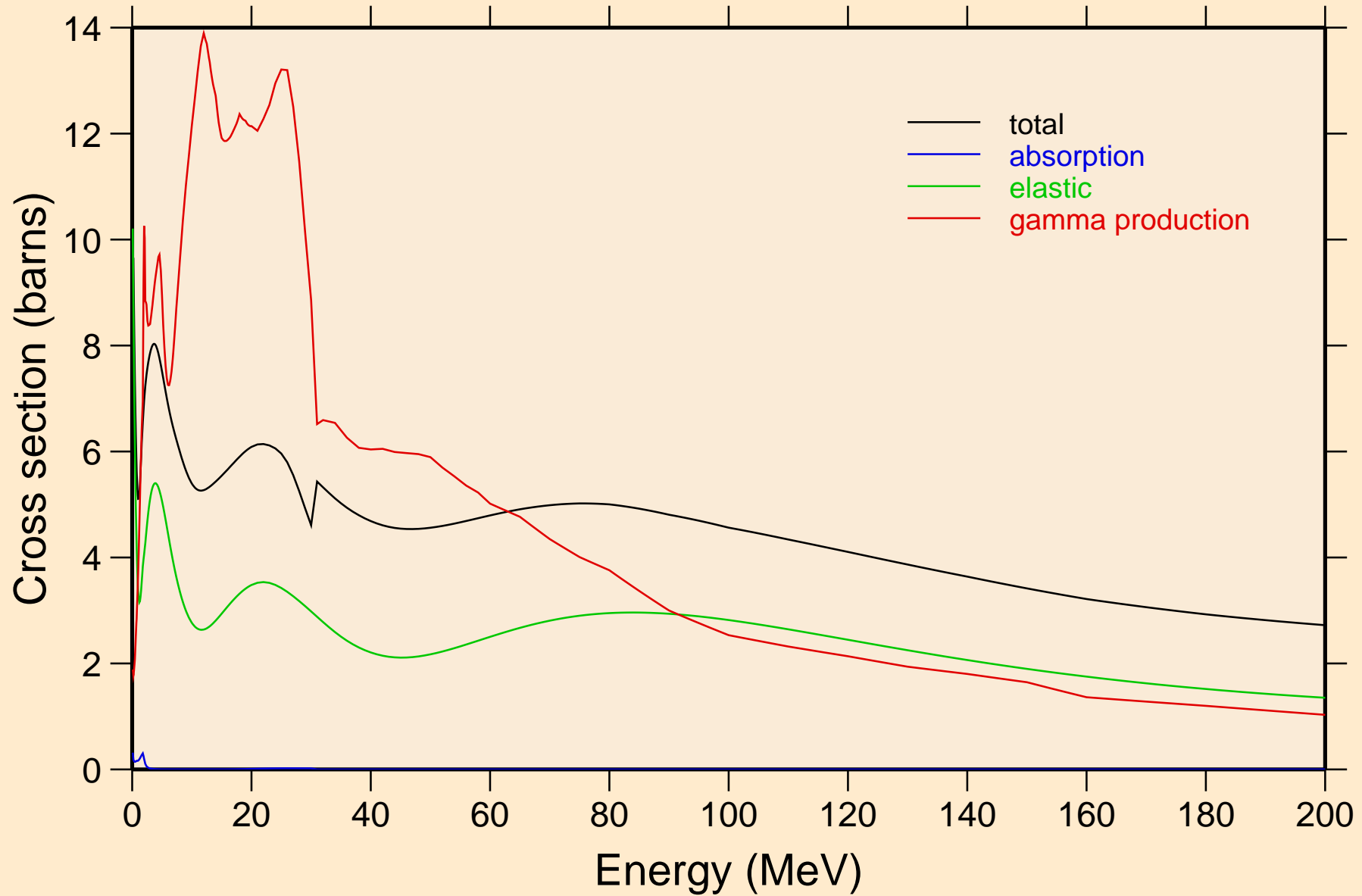
# RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Non-threshold reactions



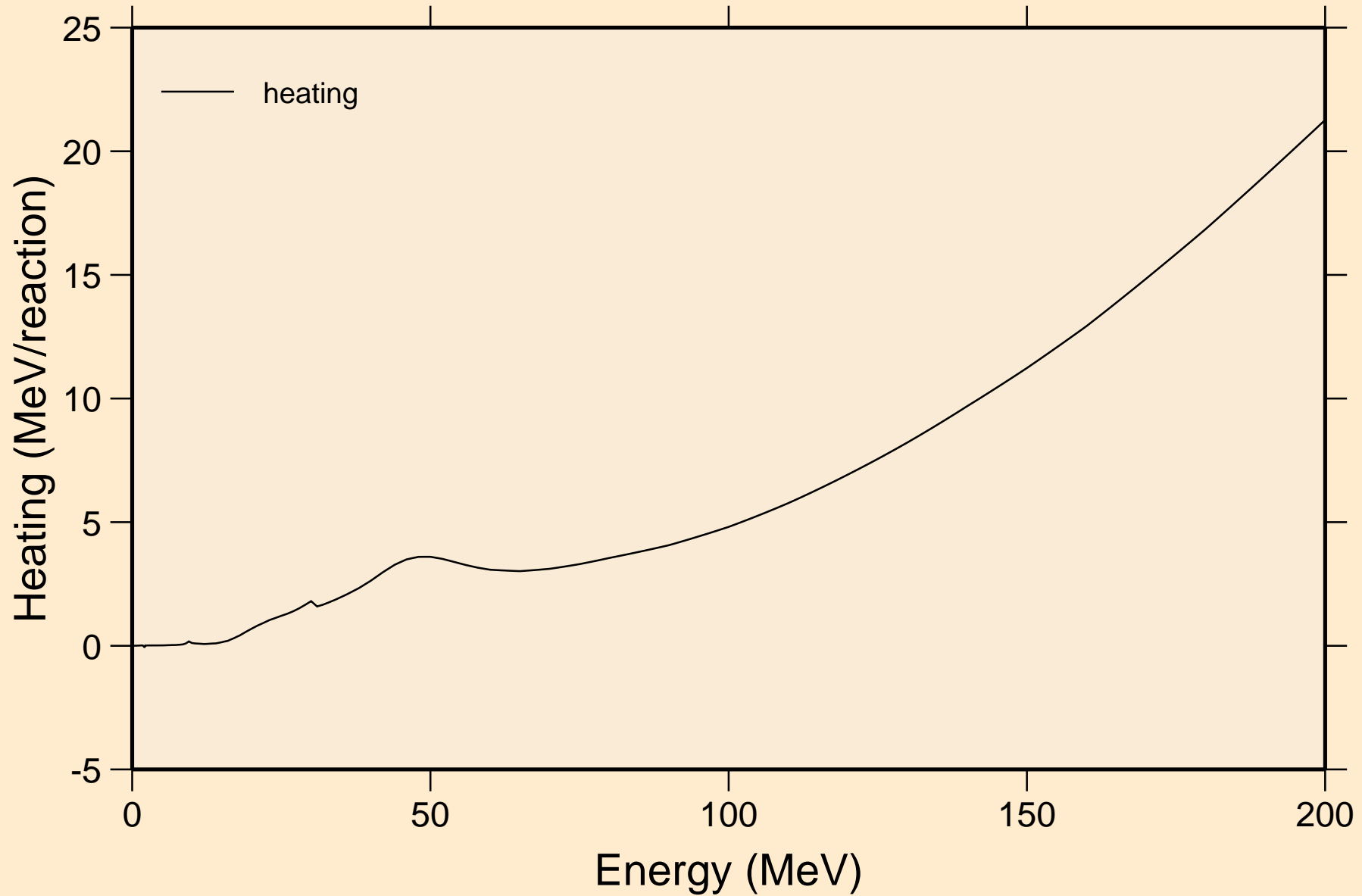
# RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections



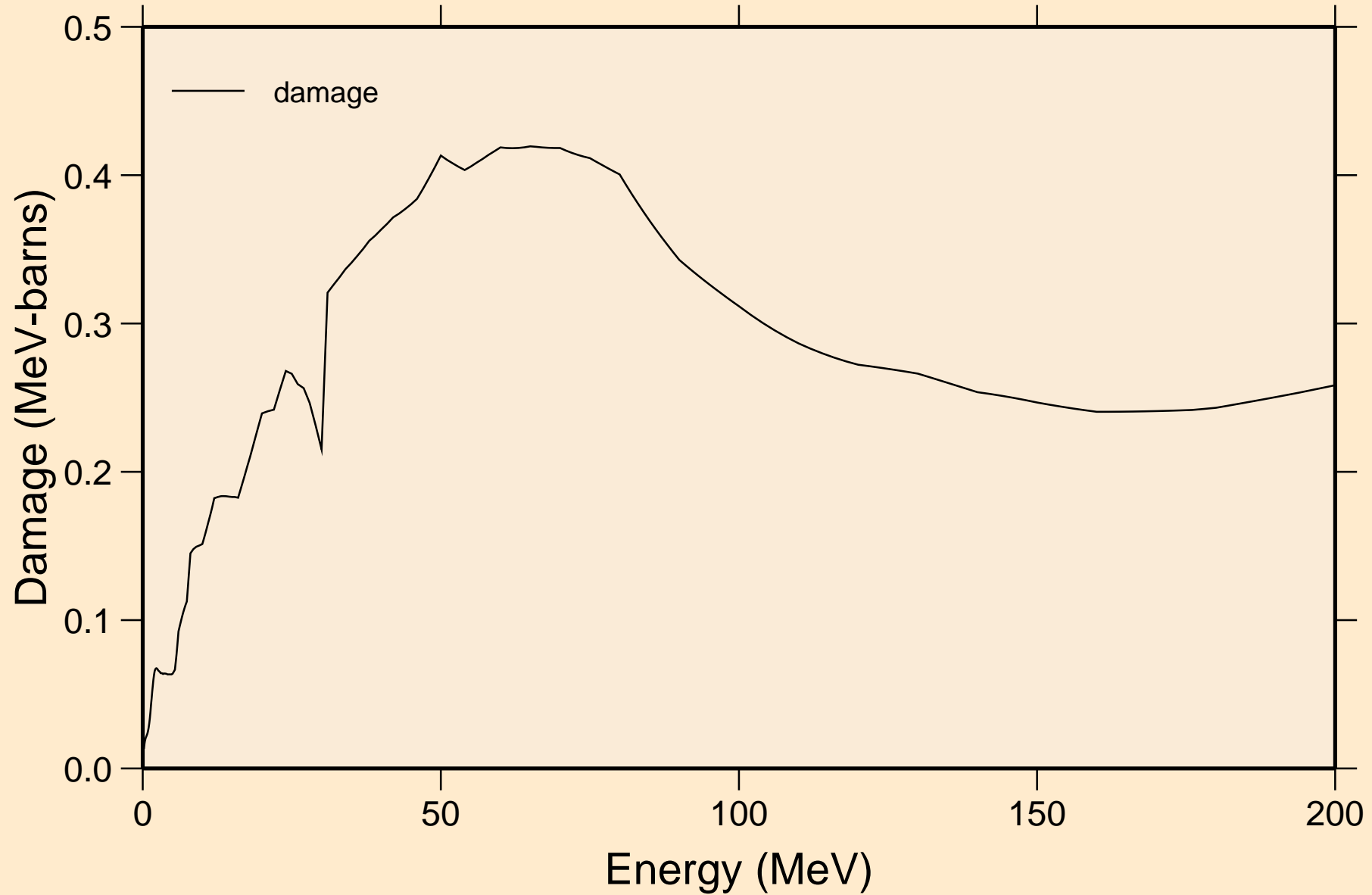
# RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Heating



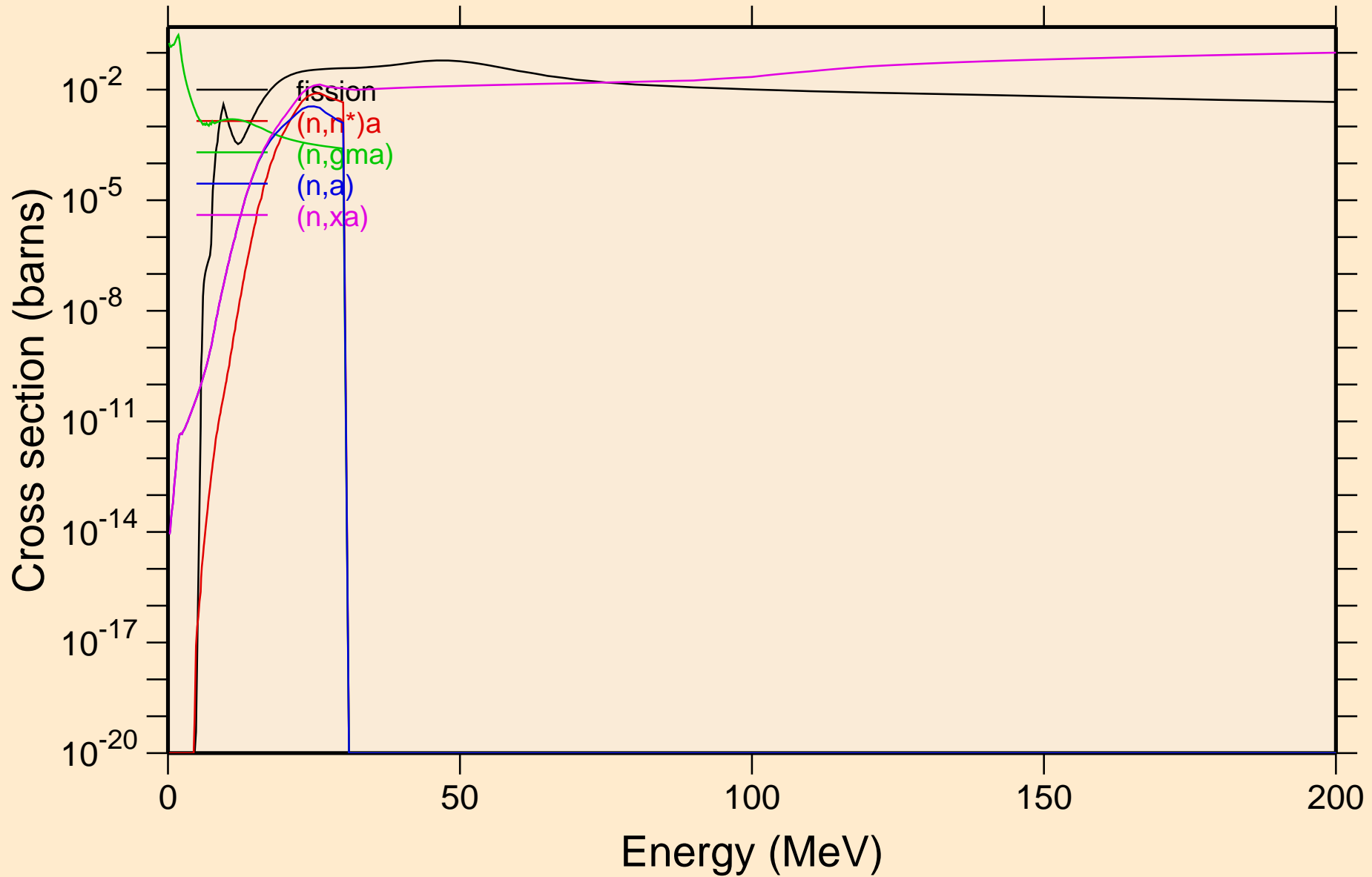
# RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Damage



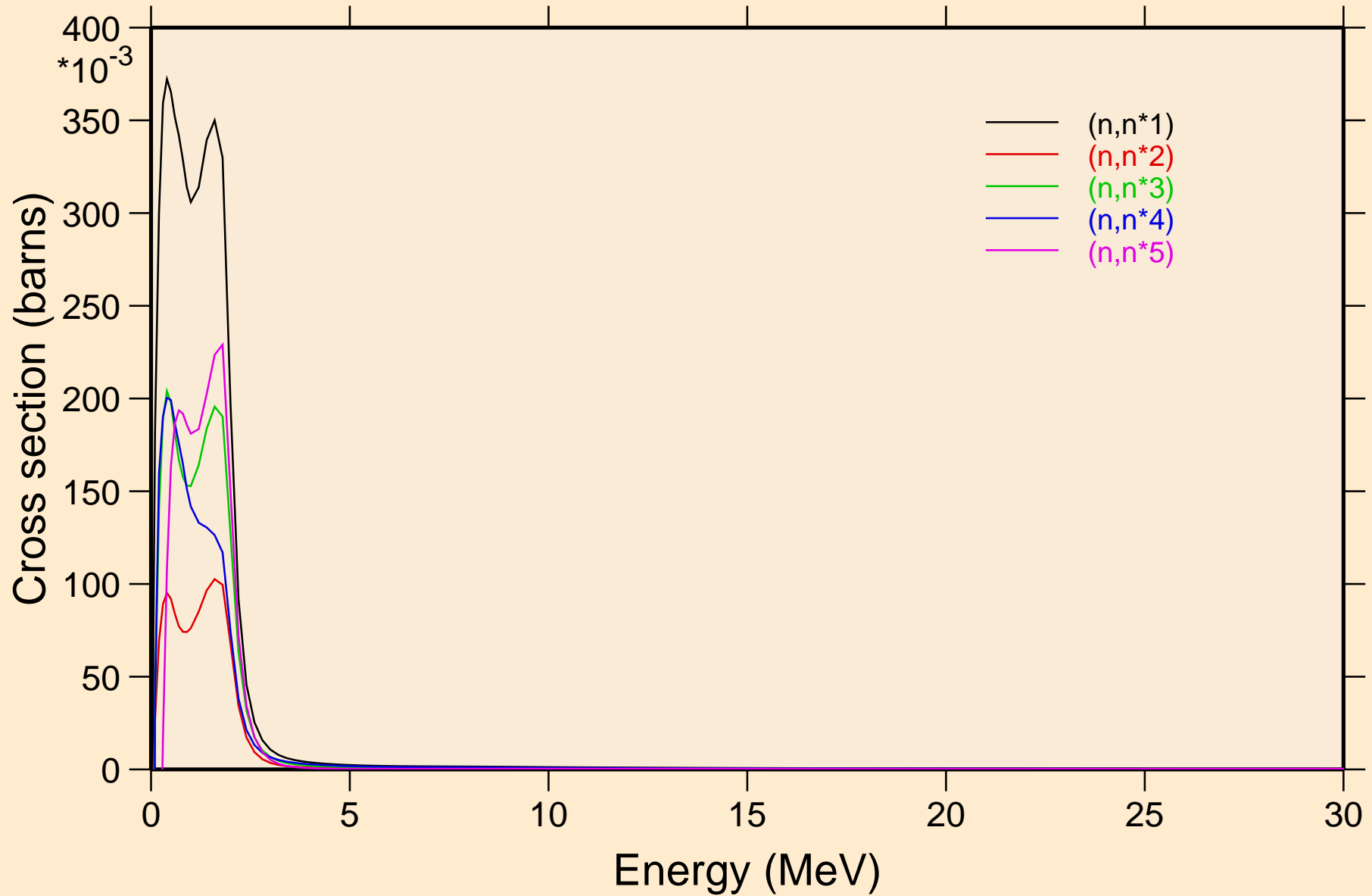
# RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Non-threshold reactions

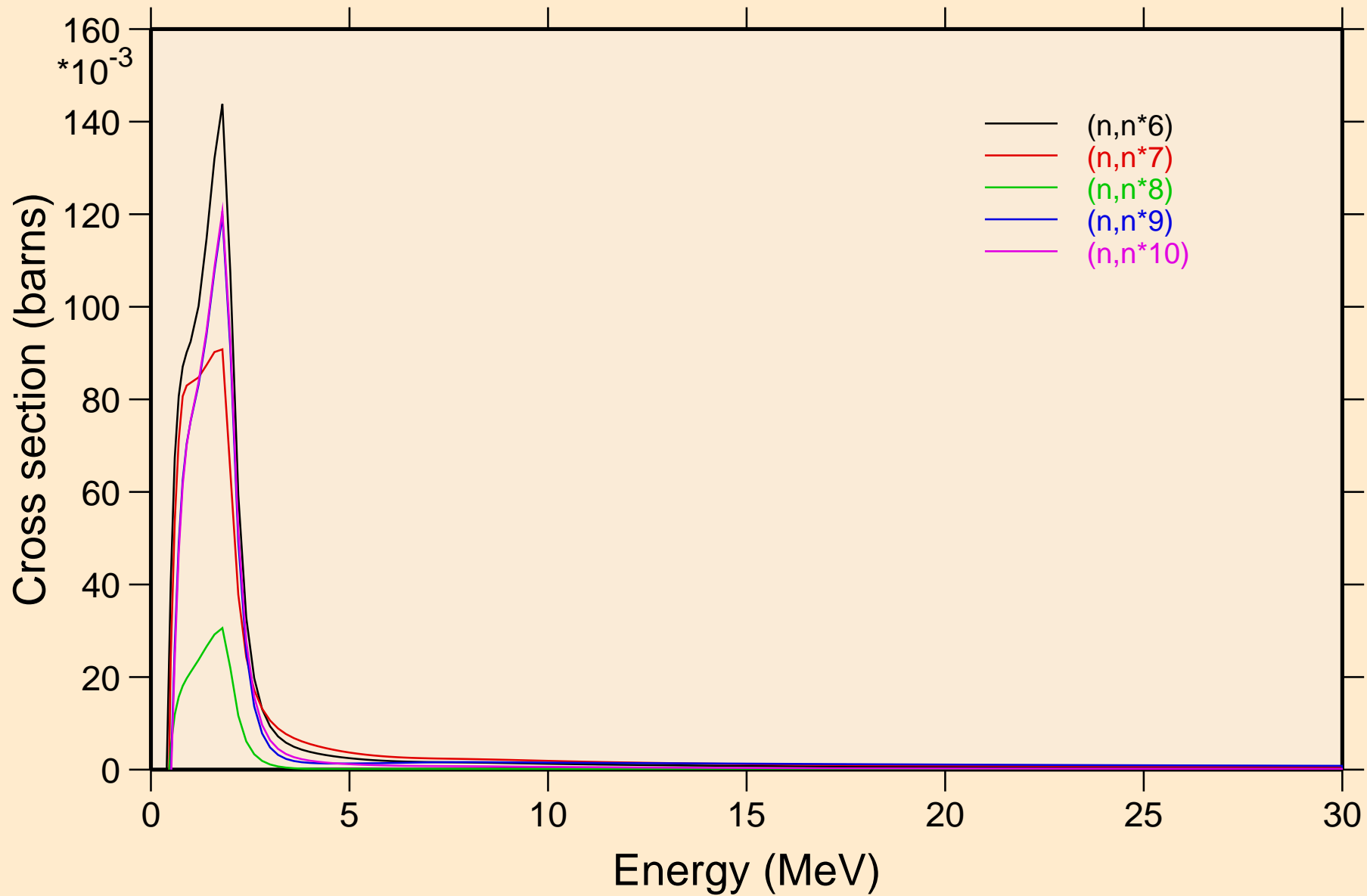




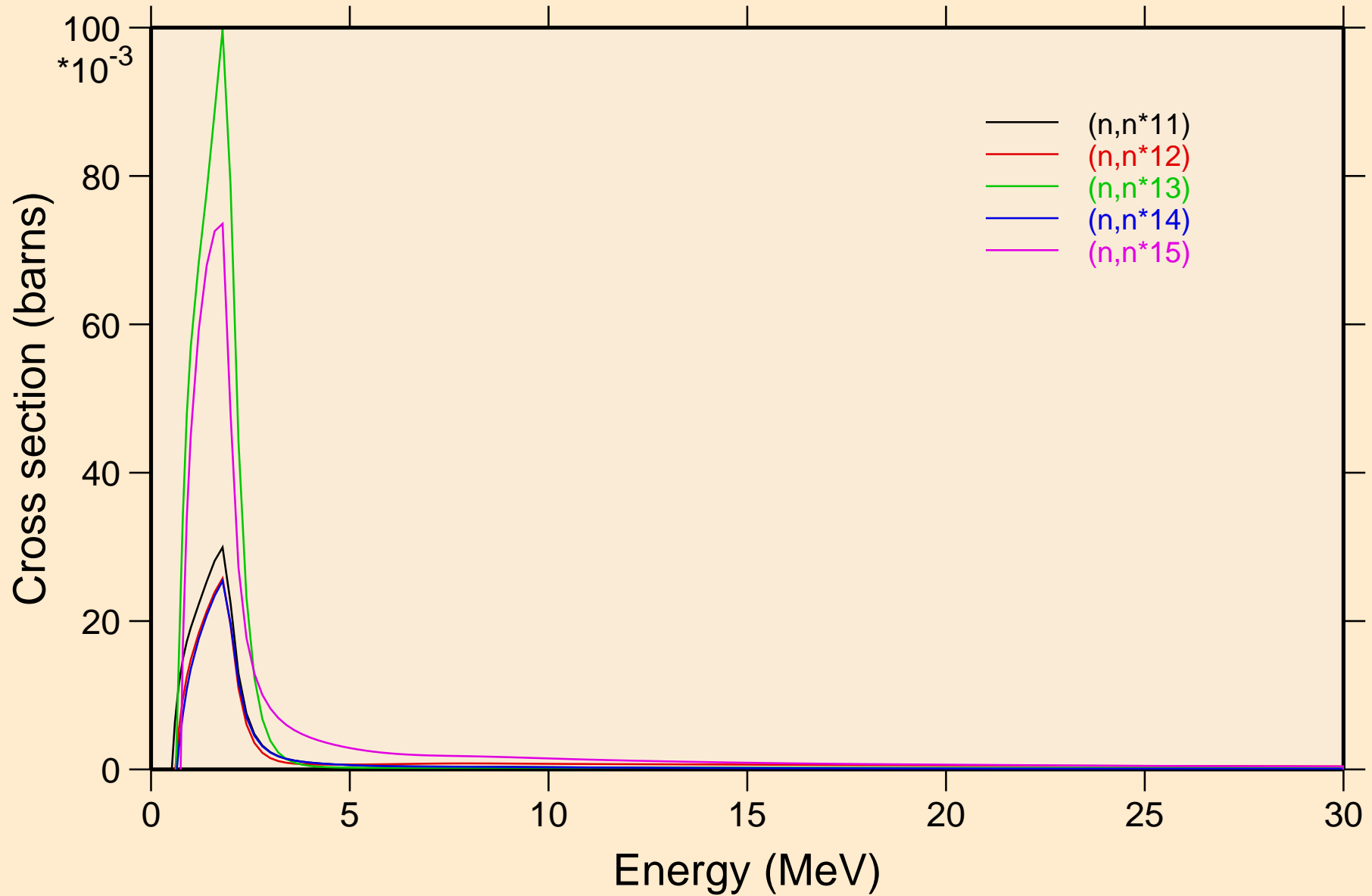
RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



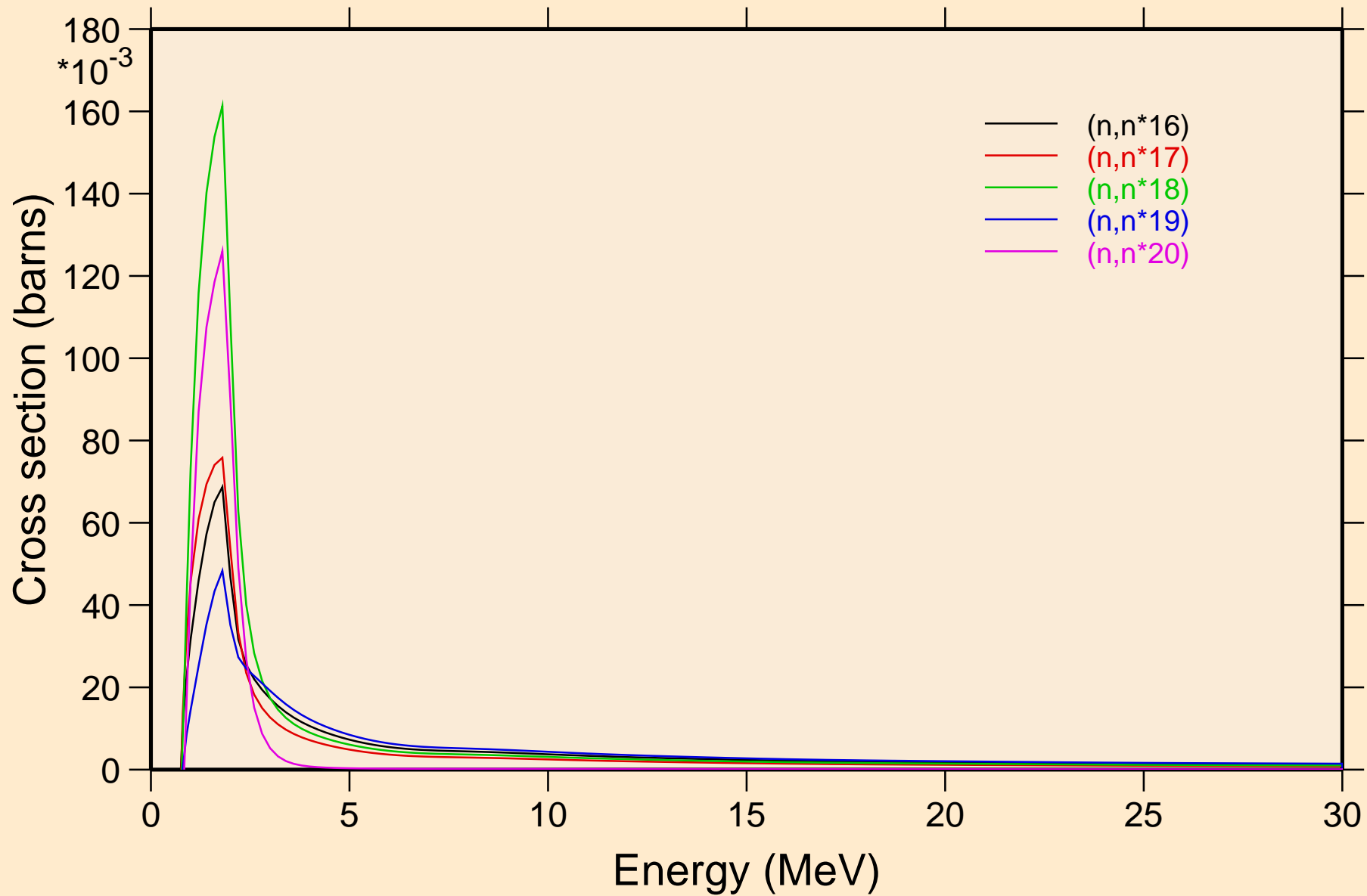
RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



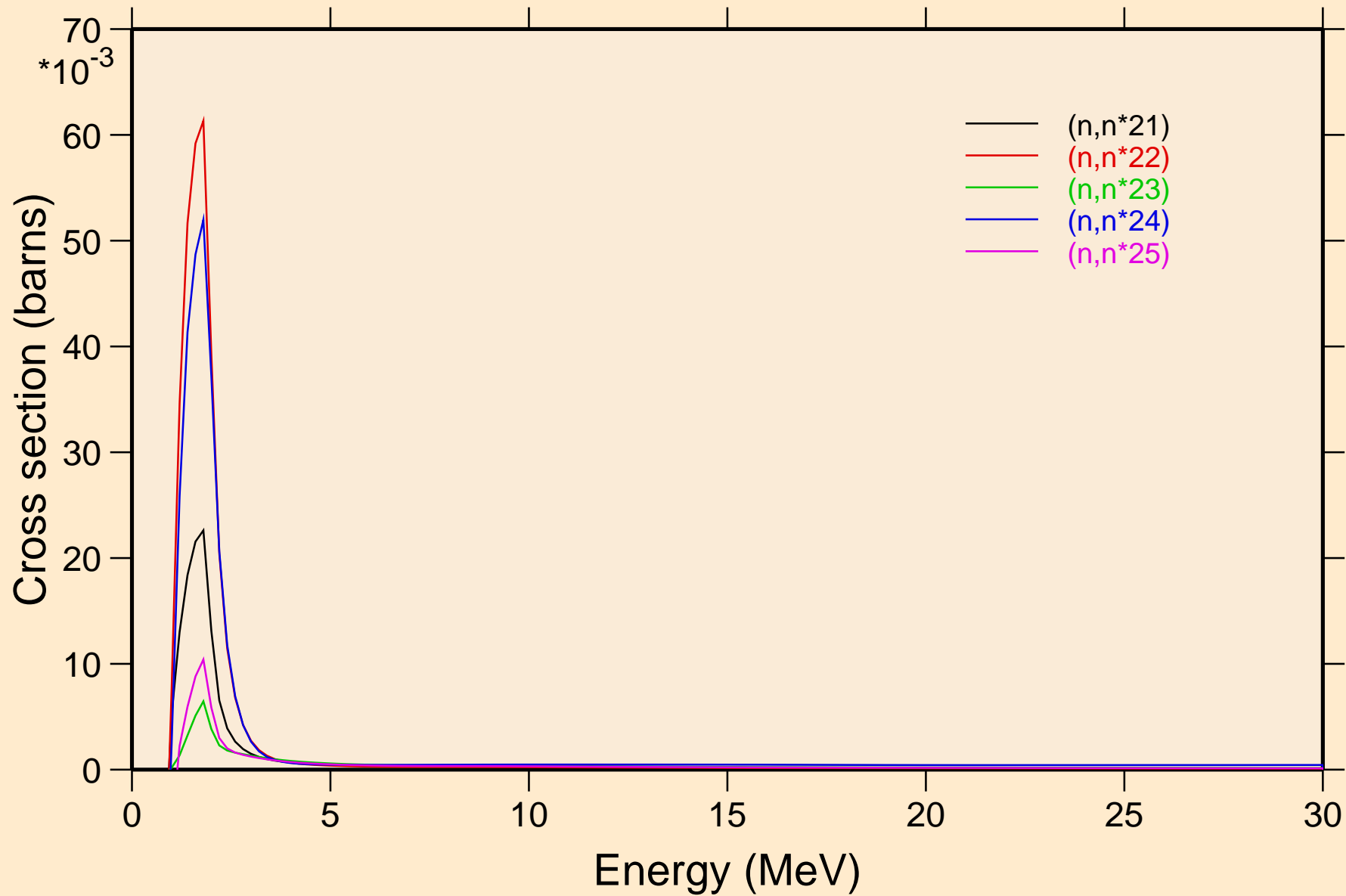
RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



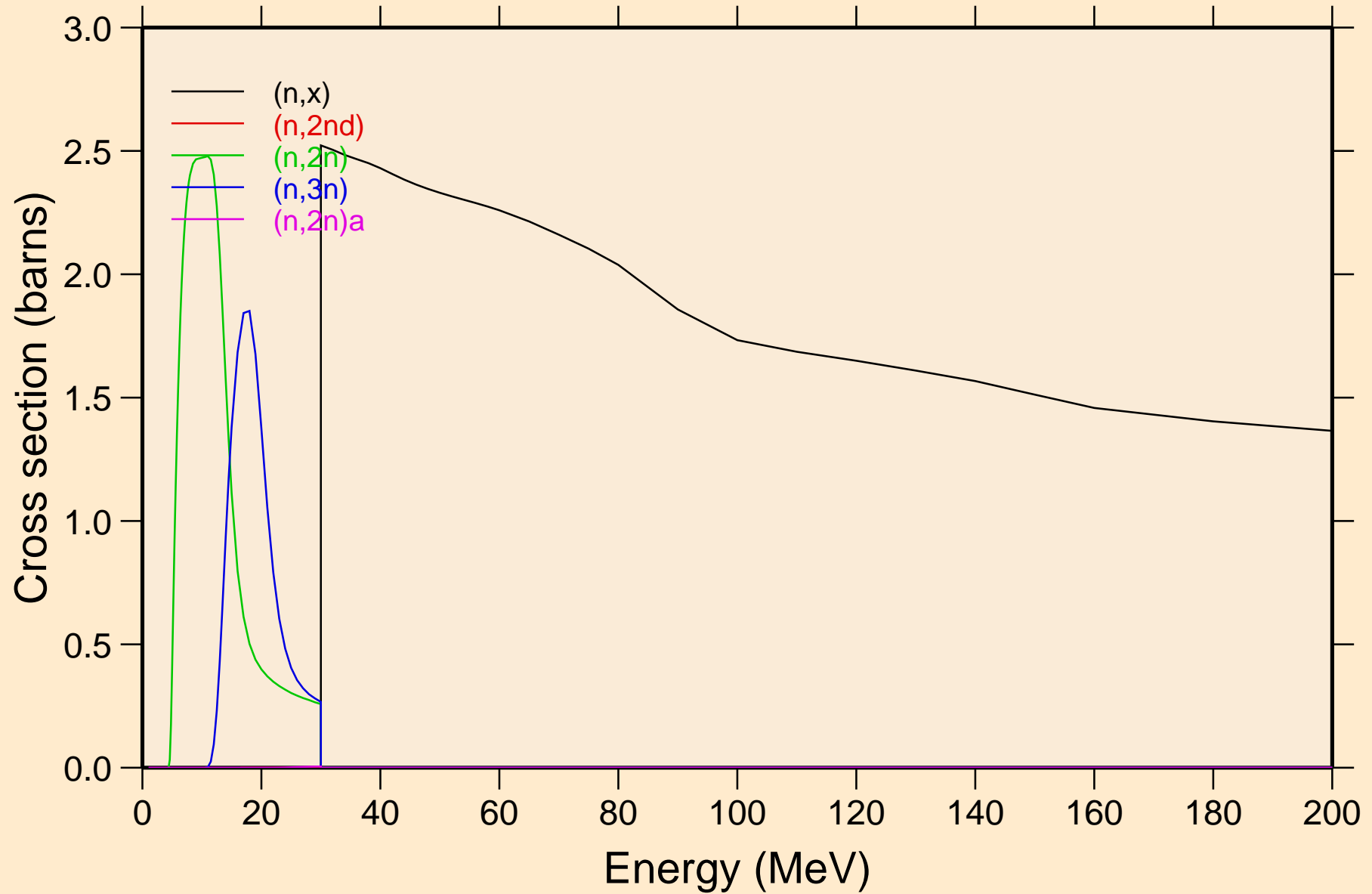
RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



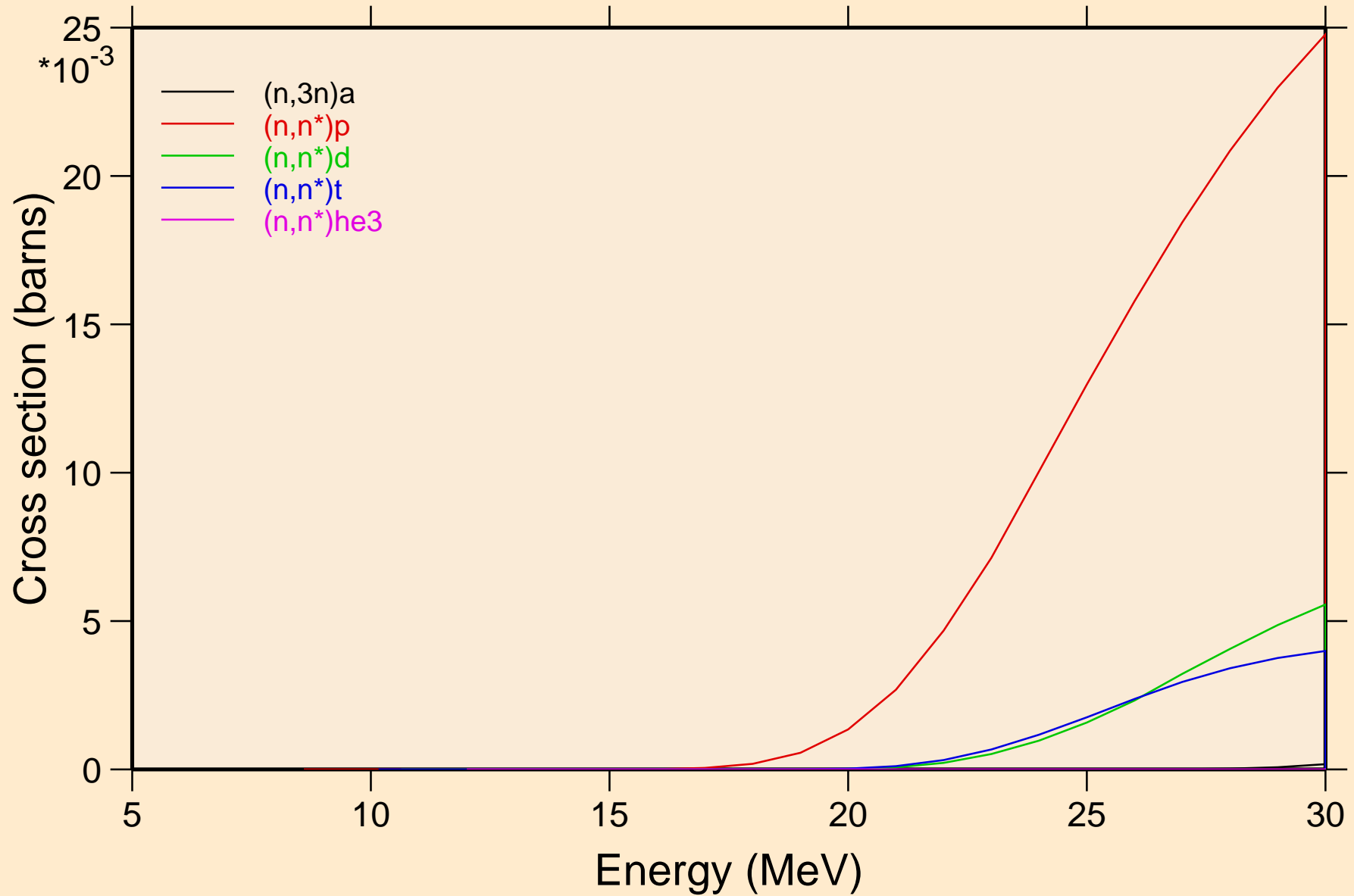
RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



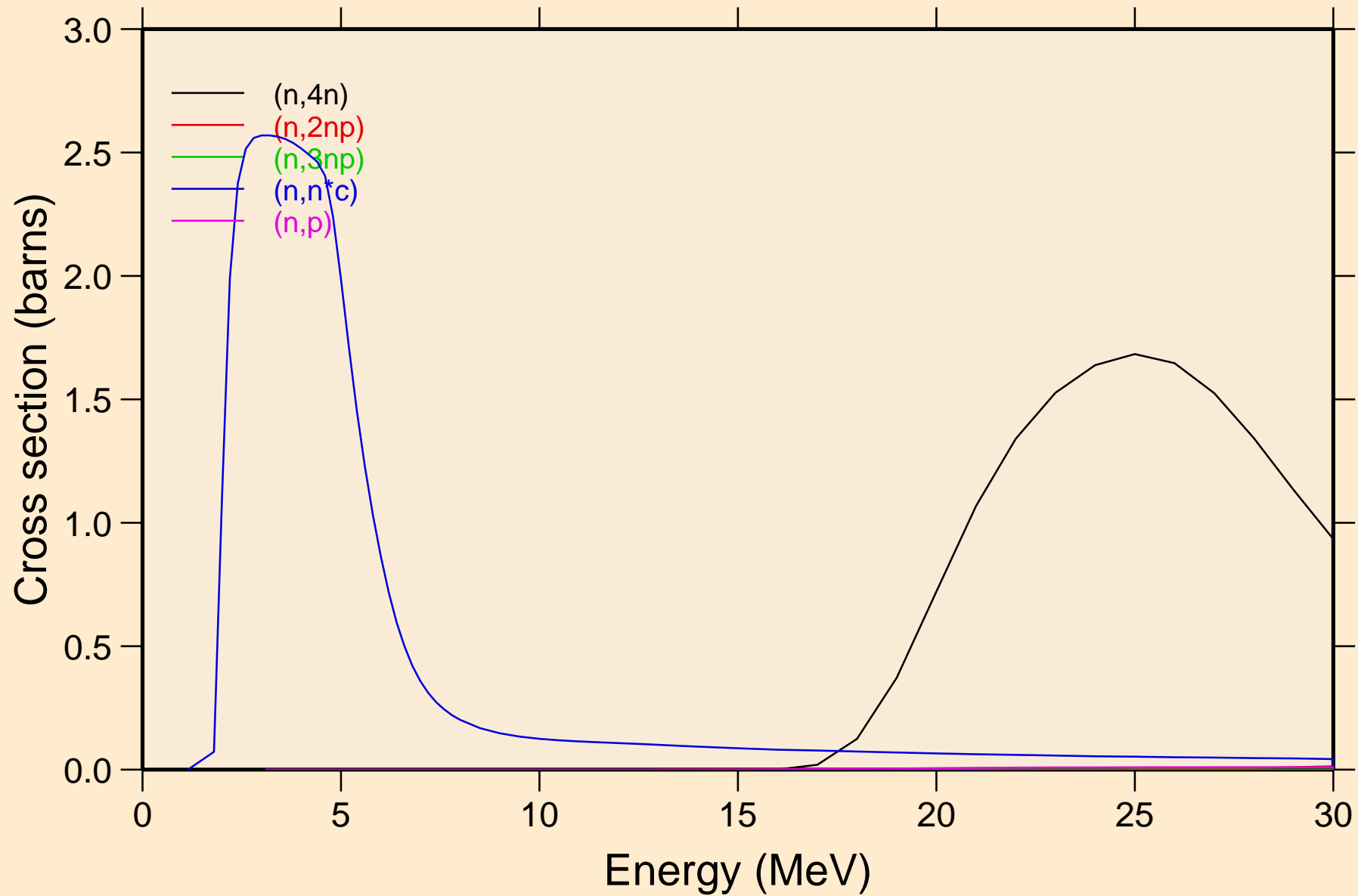
RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions

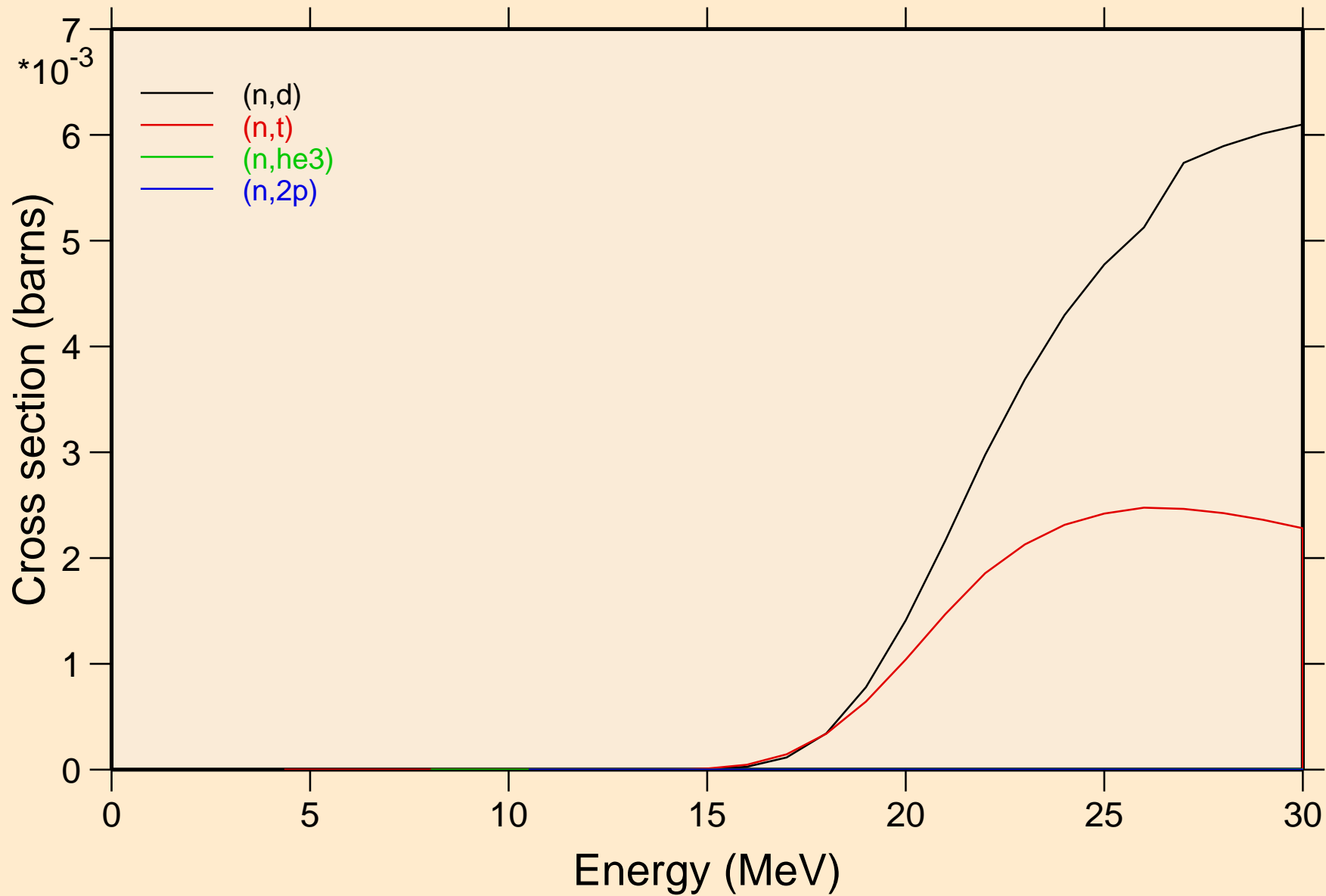


RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions

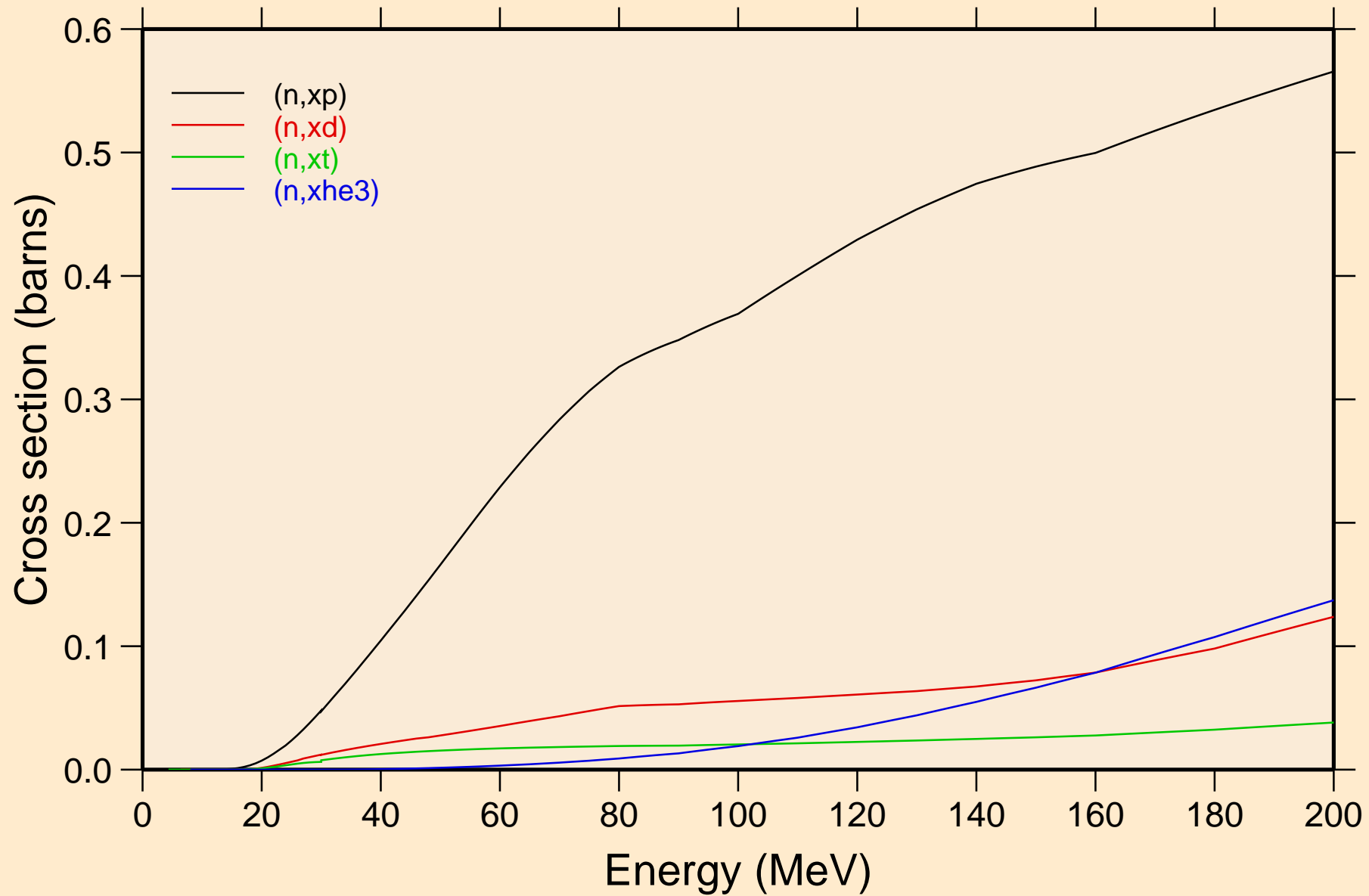




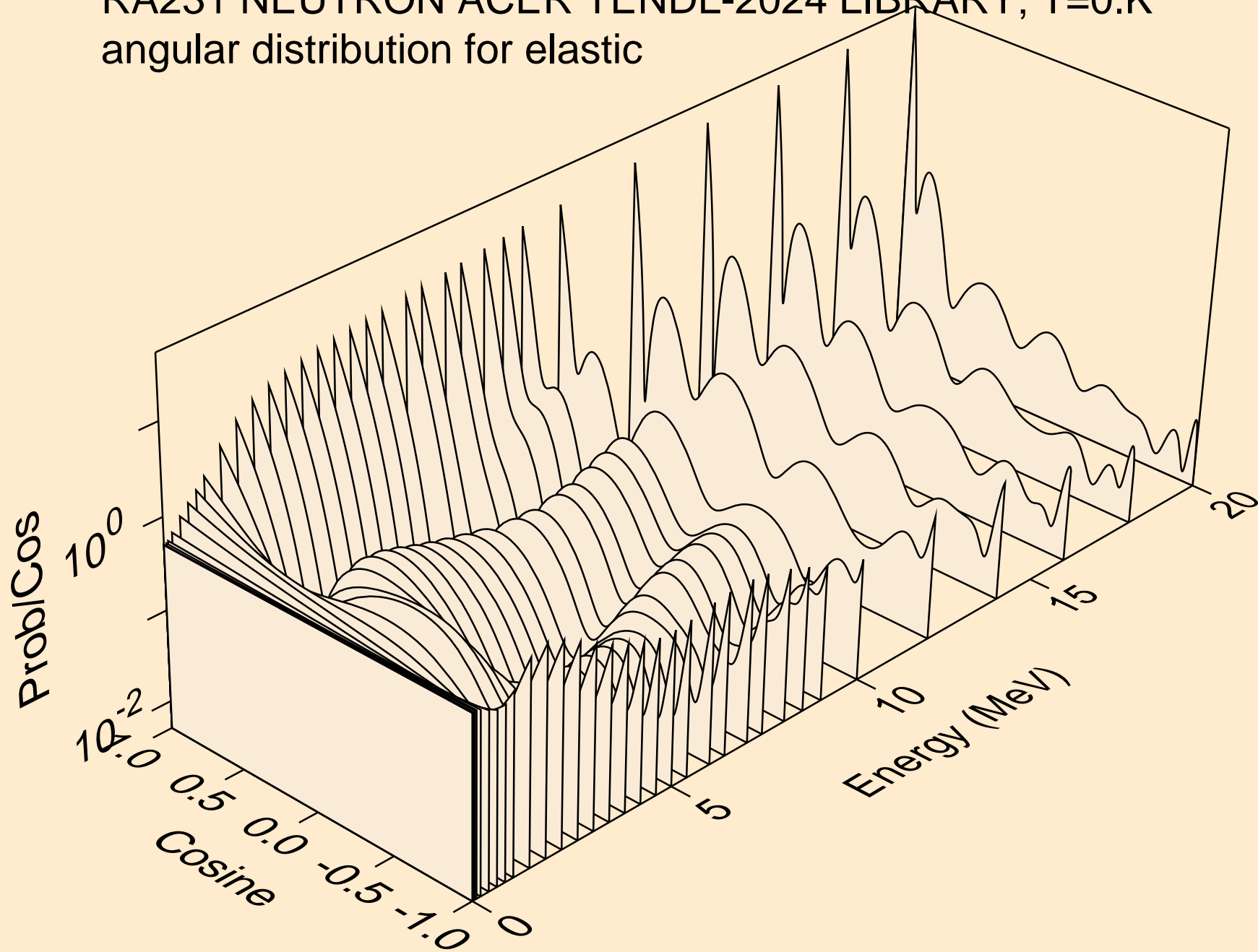
RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



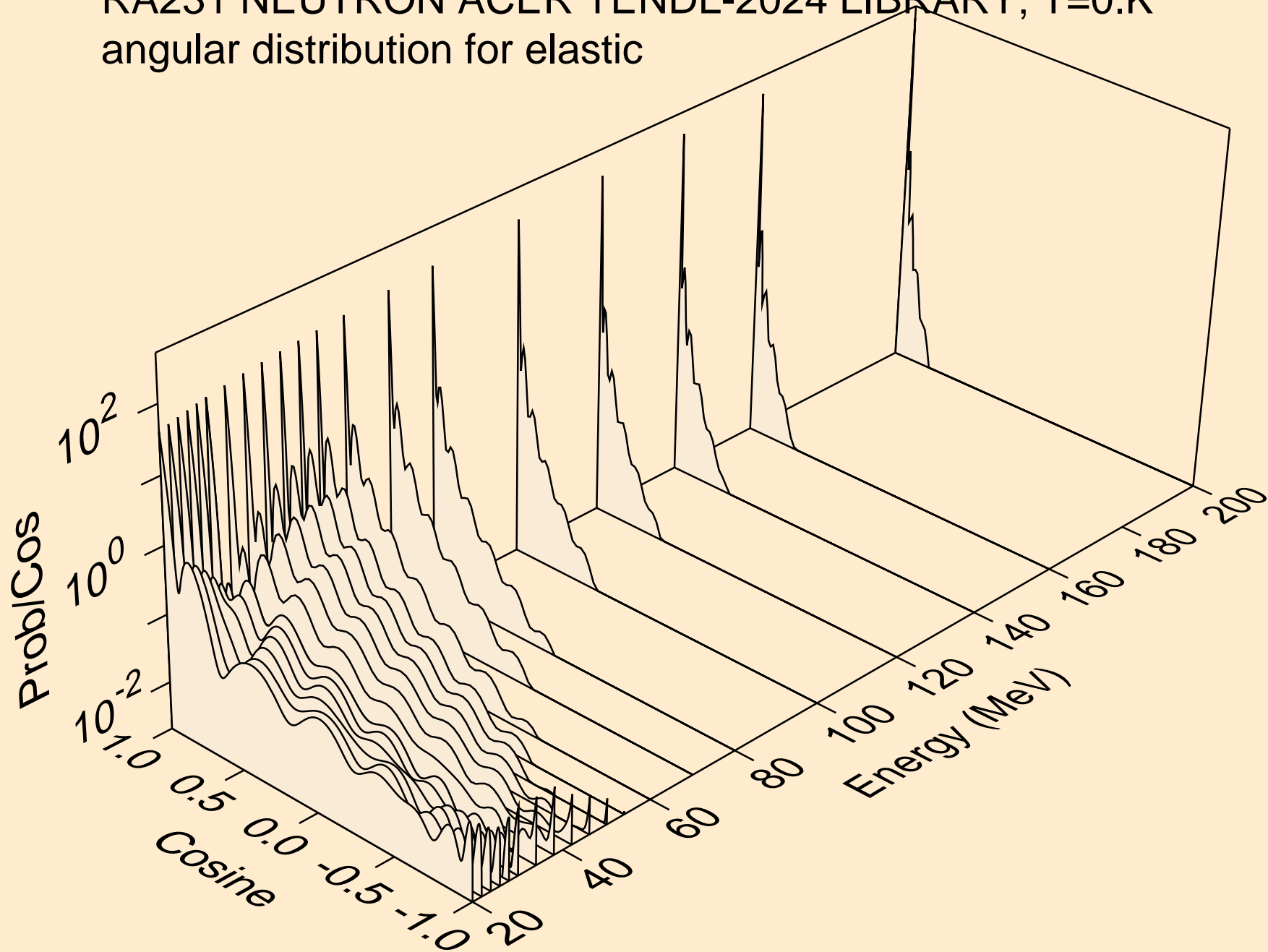
RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



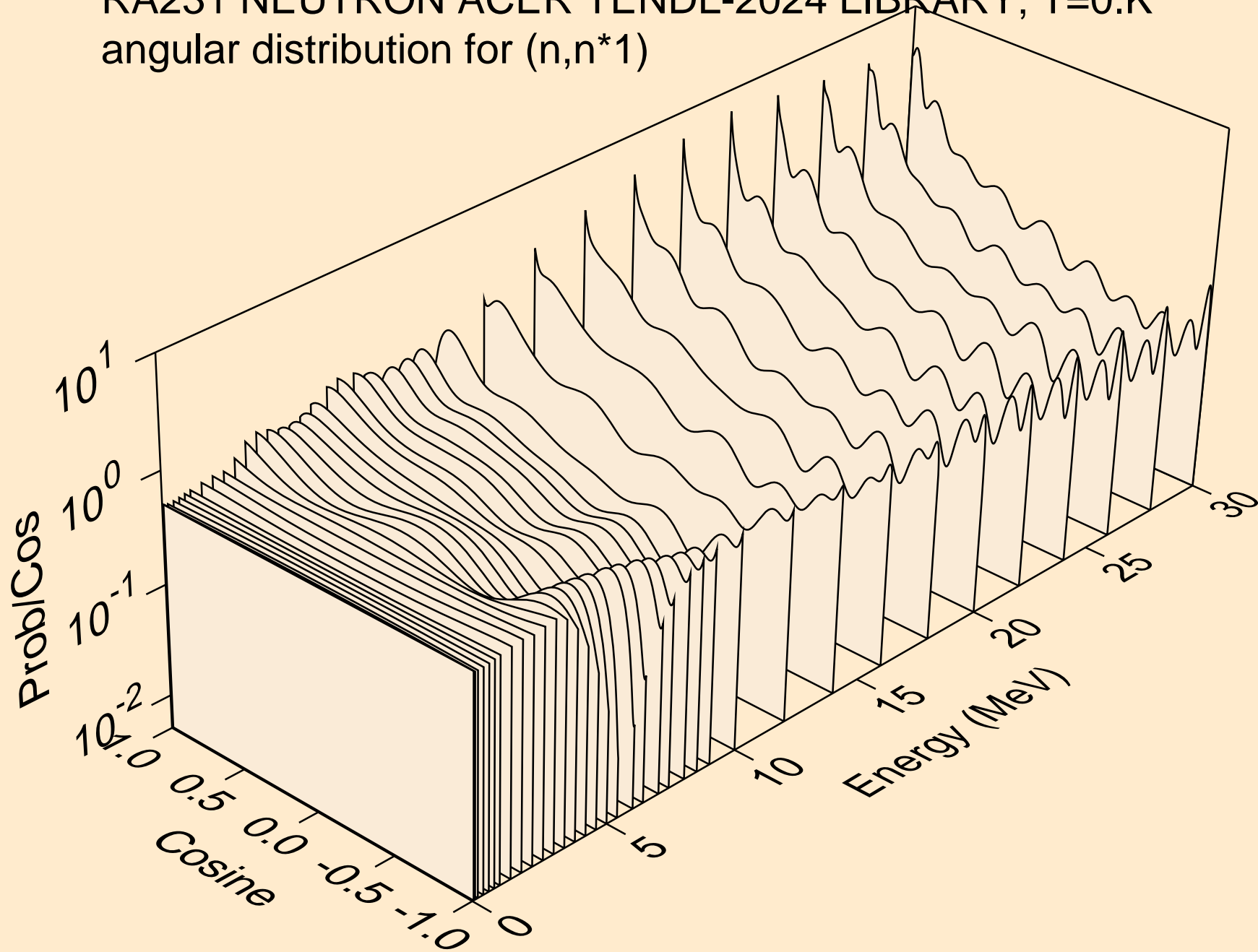
RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



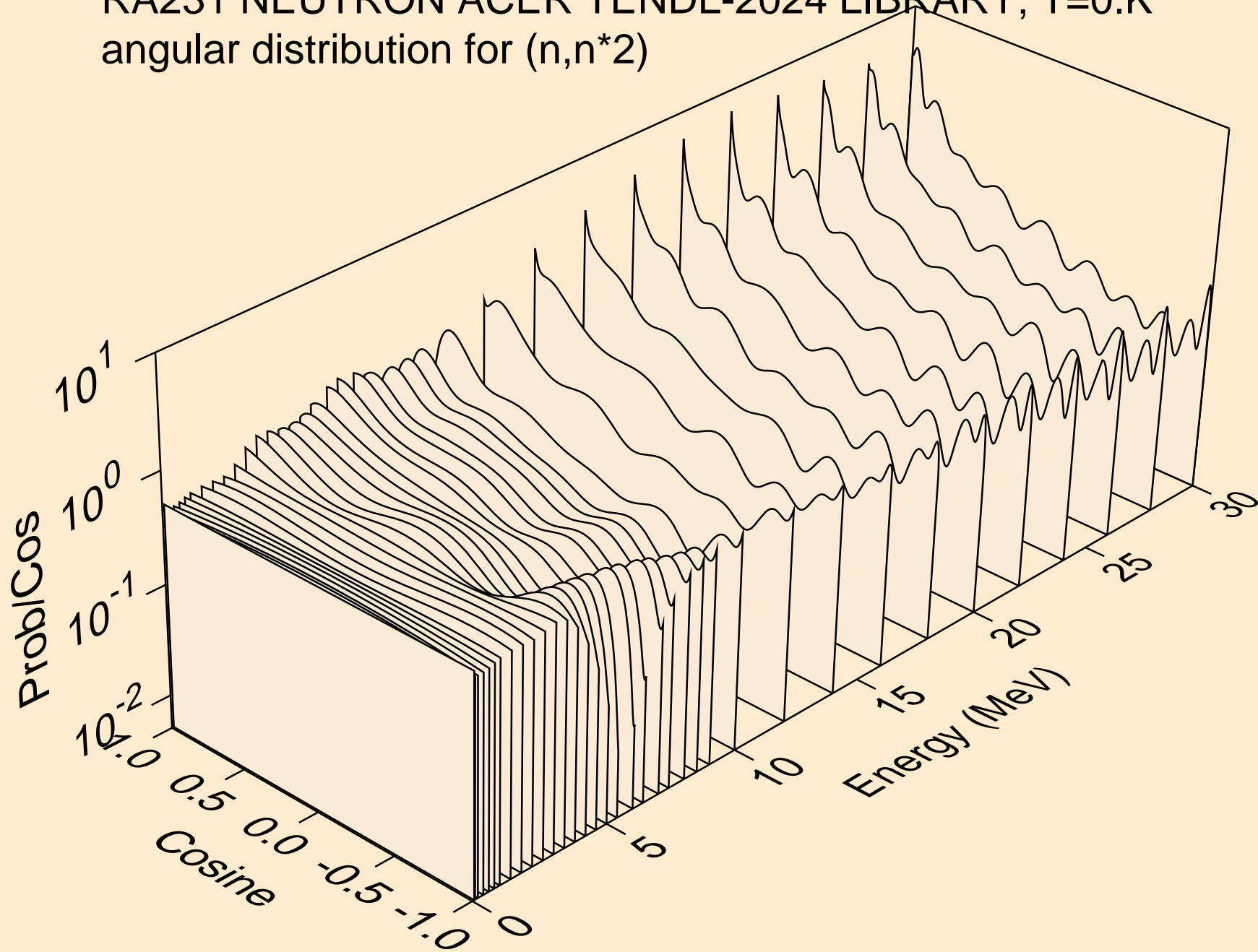
RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



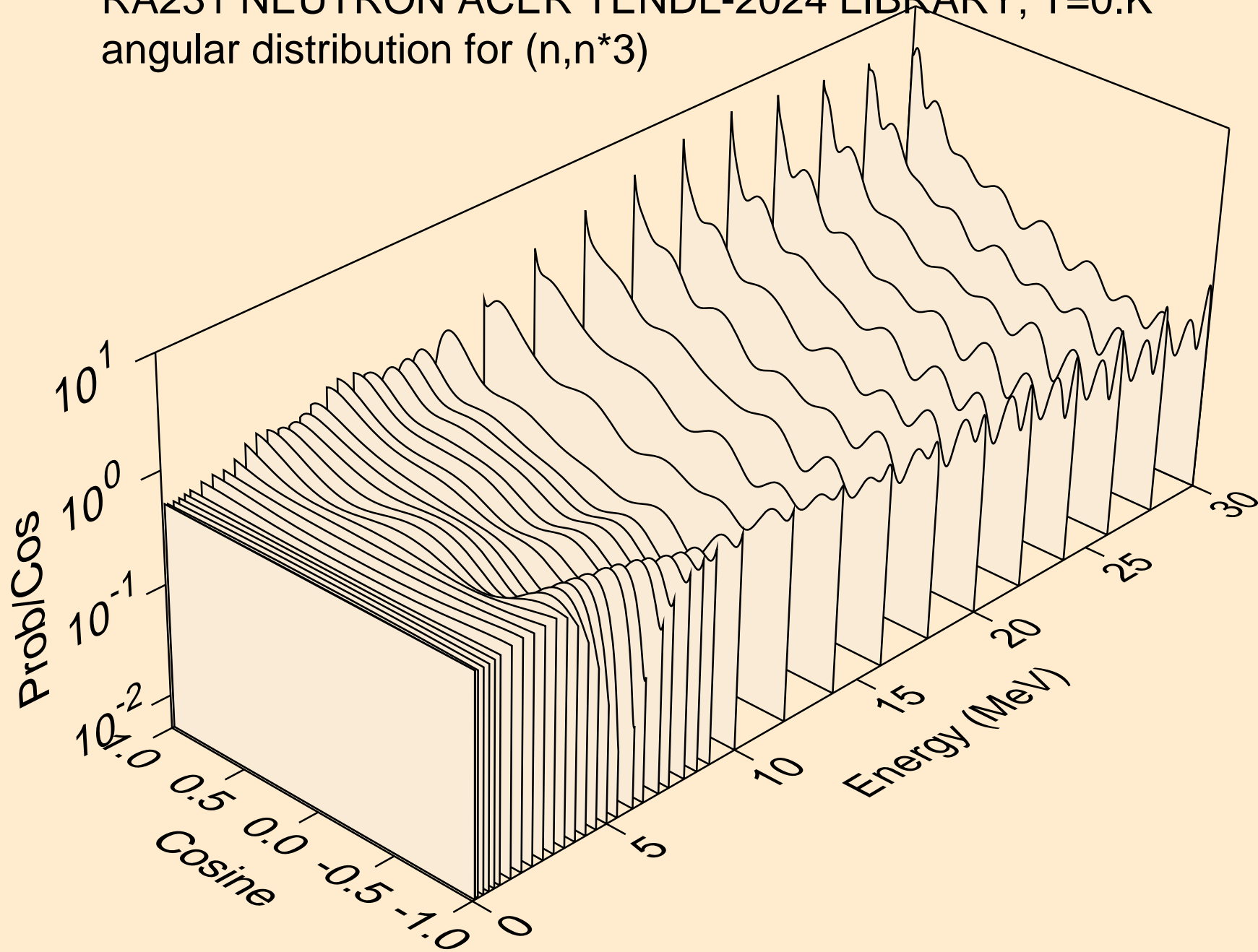
RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



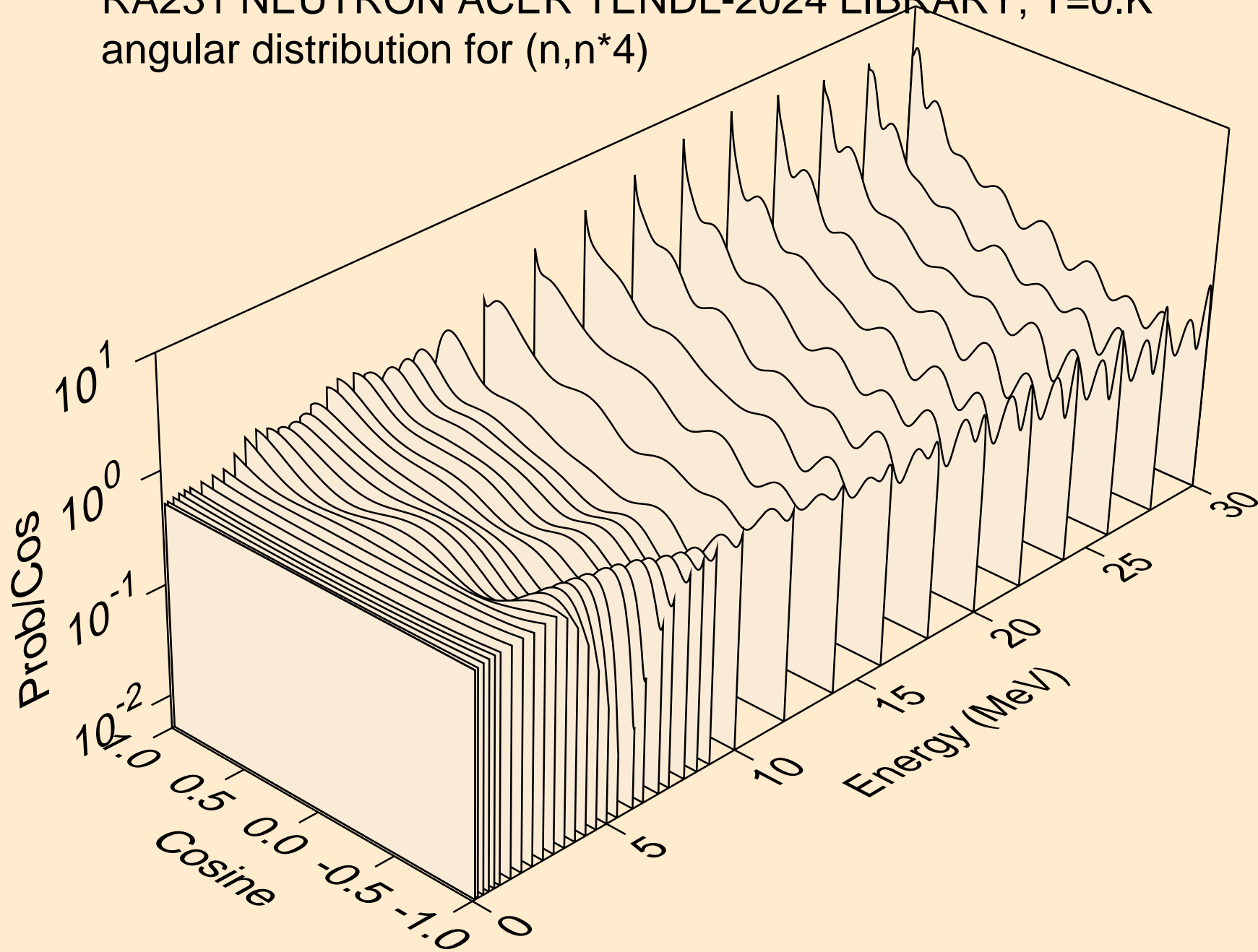
RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*2)



RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*3)

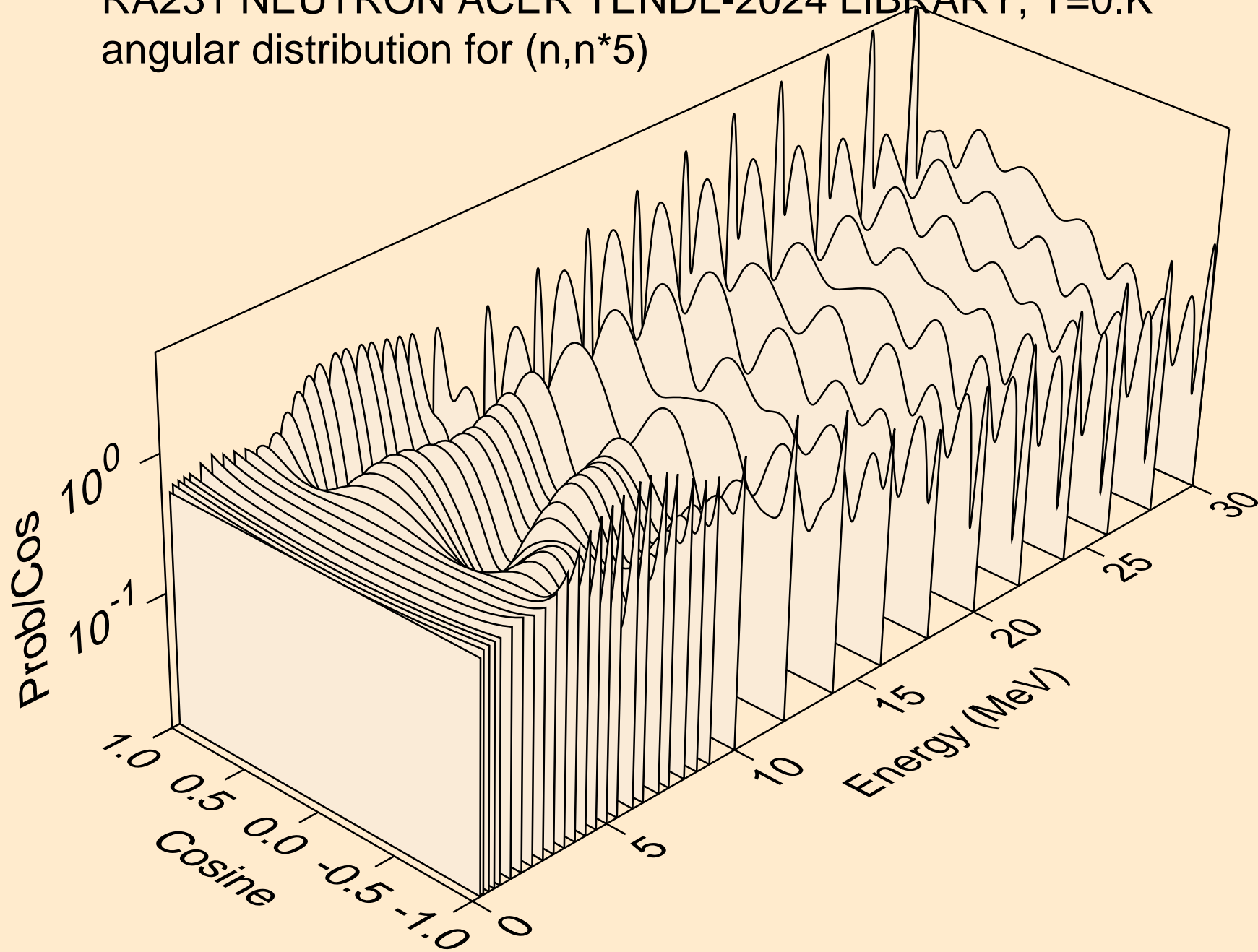


RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*4)

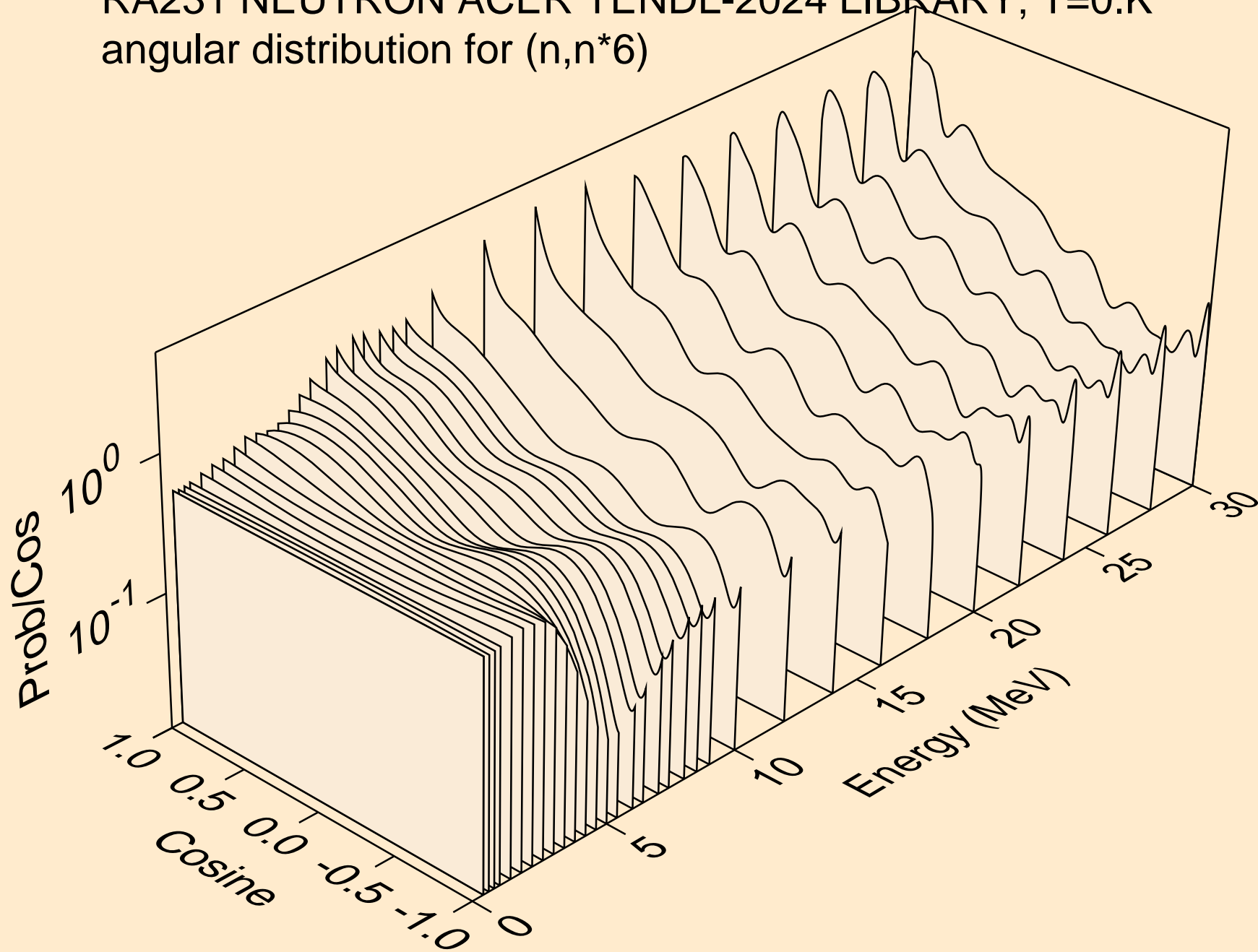




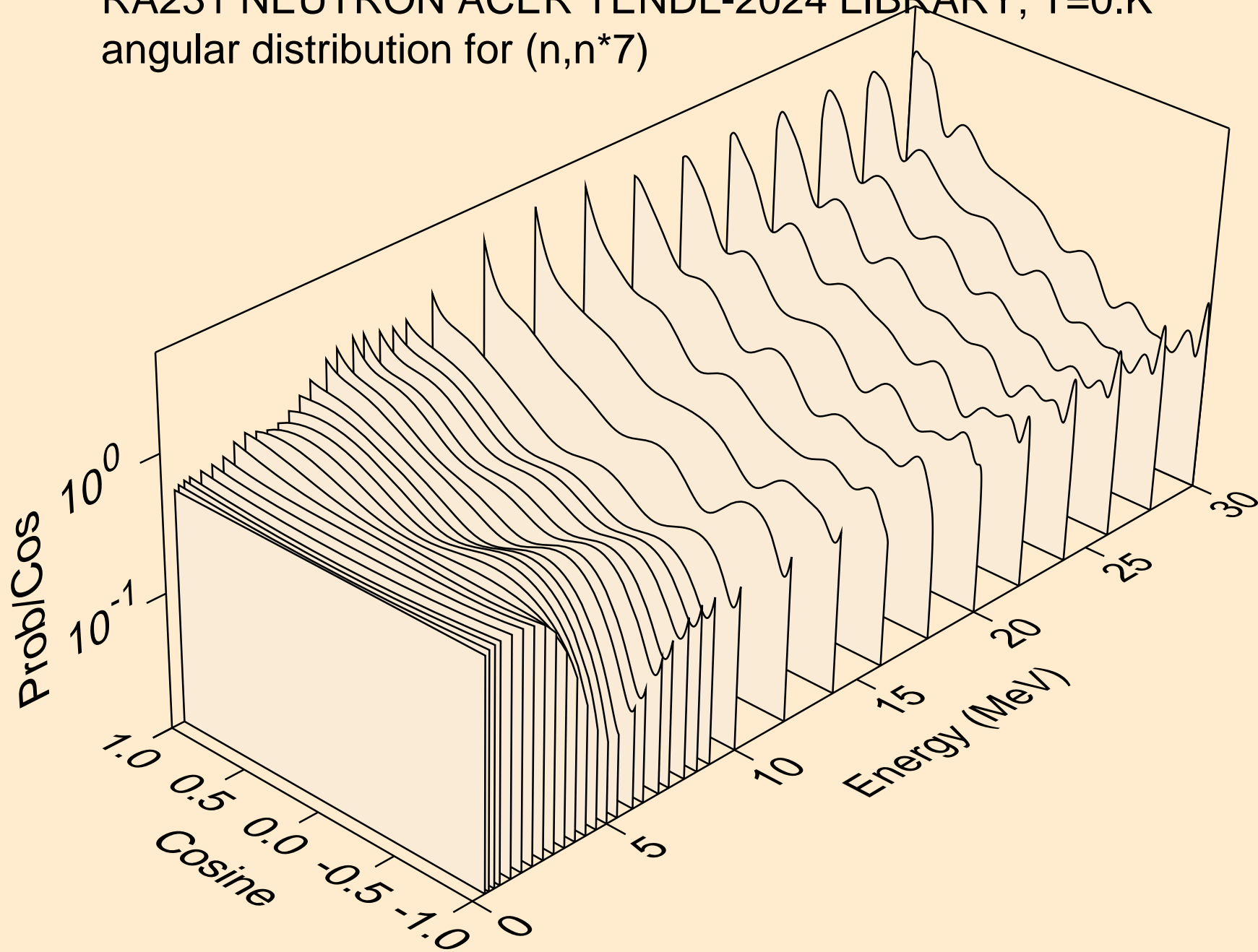
RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*5)



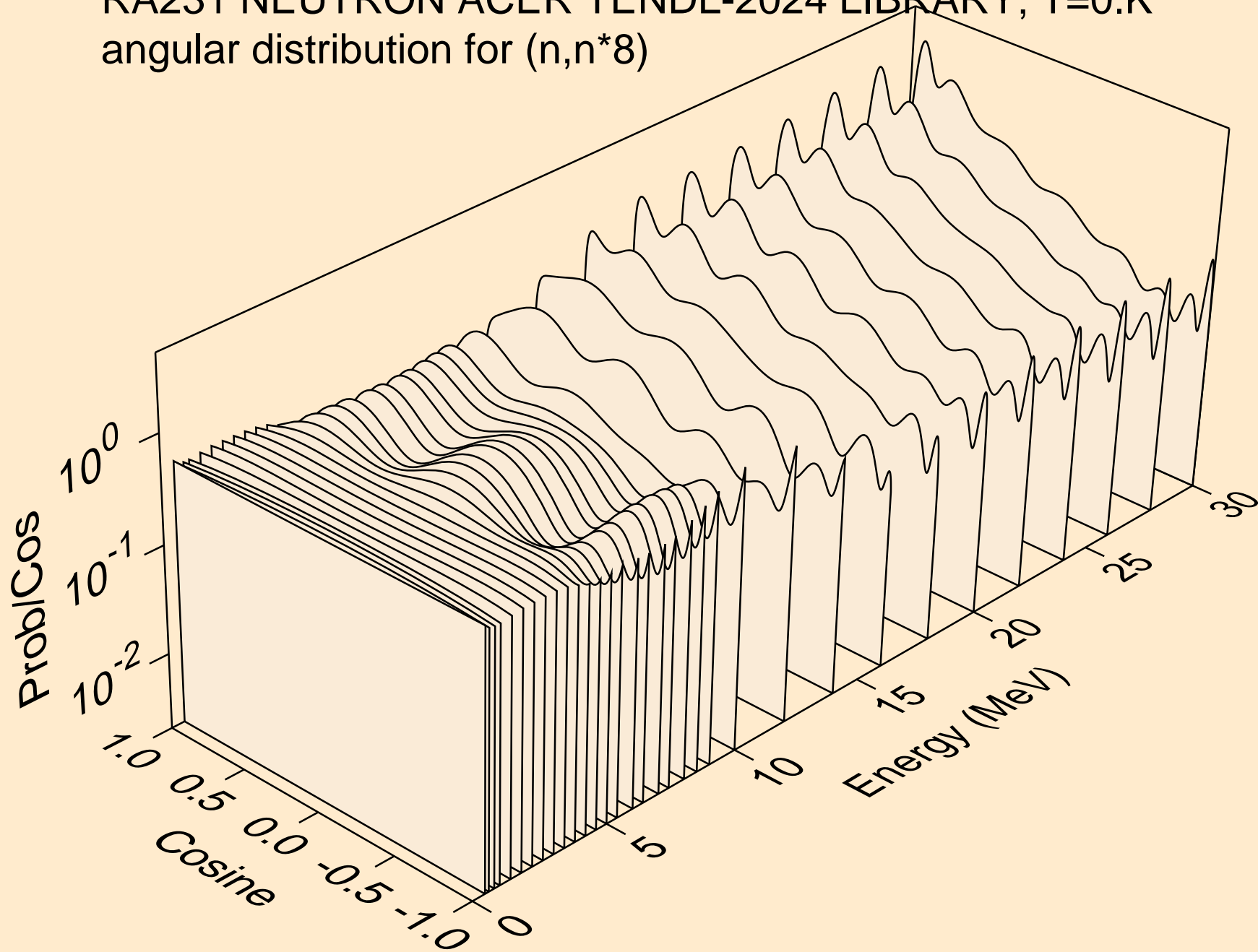
RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*6)



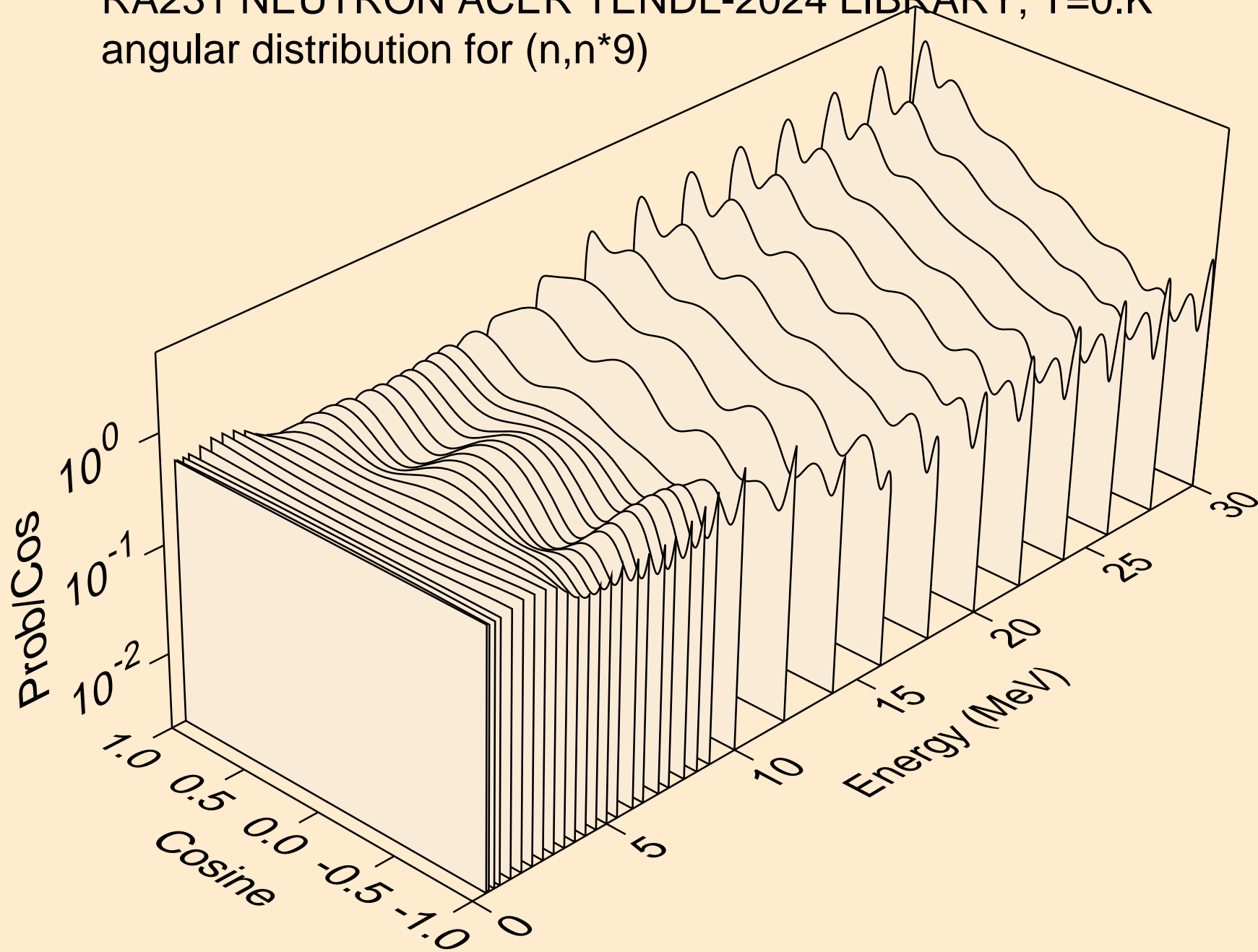
RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*7)



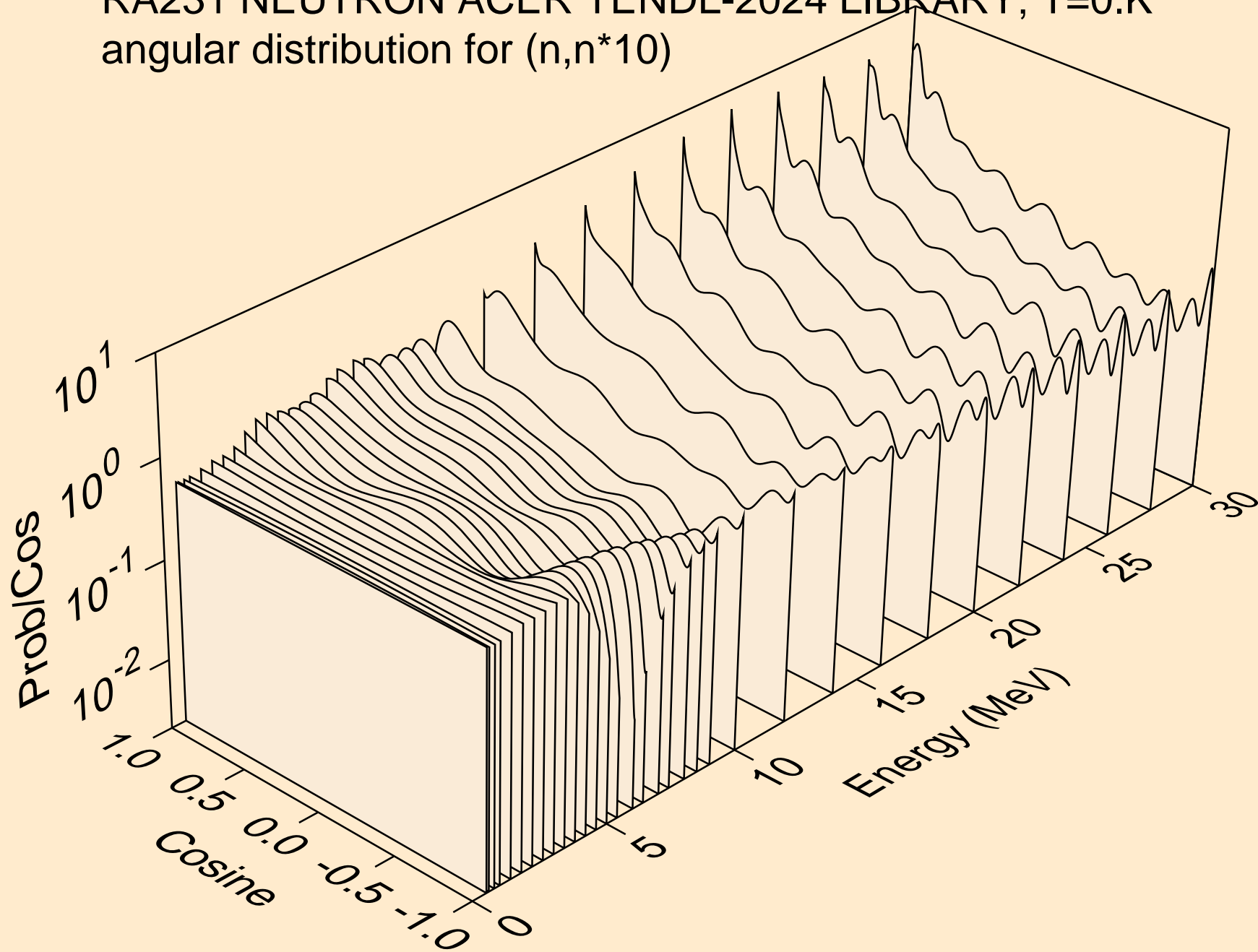
RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*8)



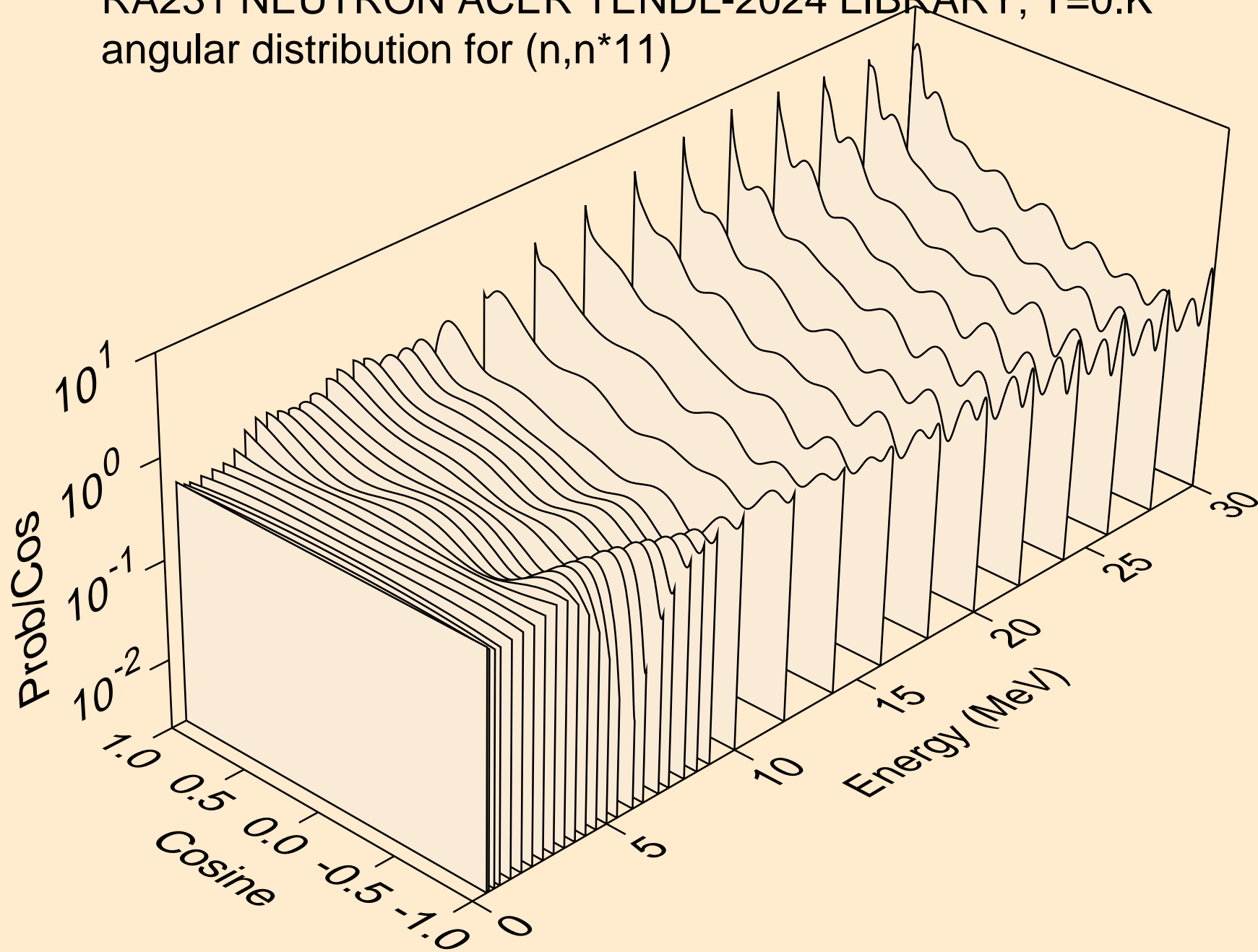
RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*9)



RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*10)

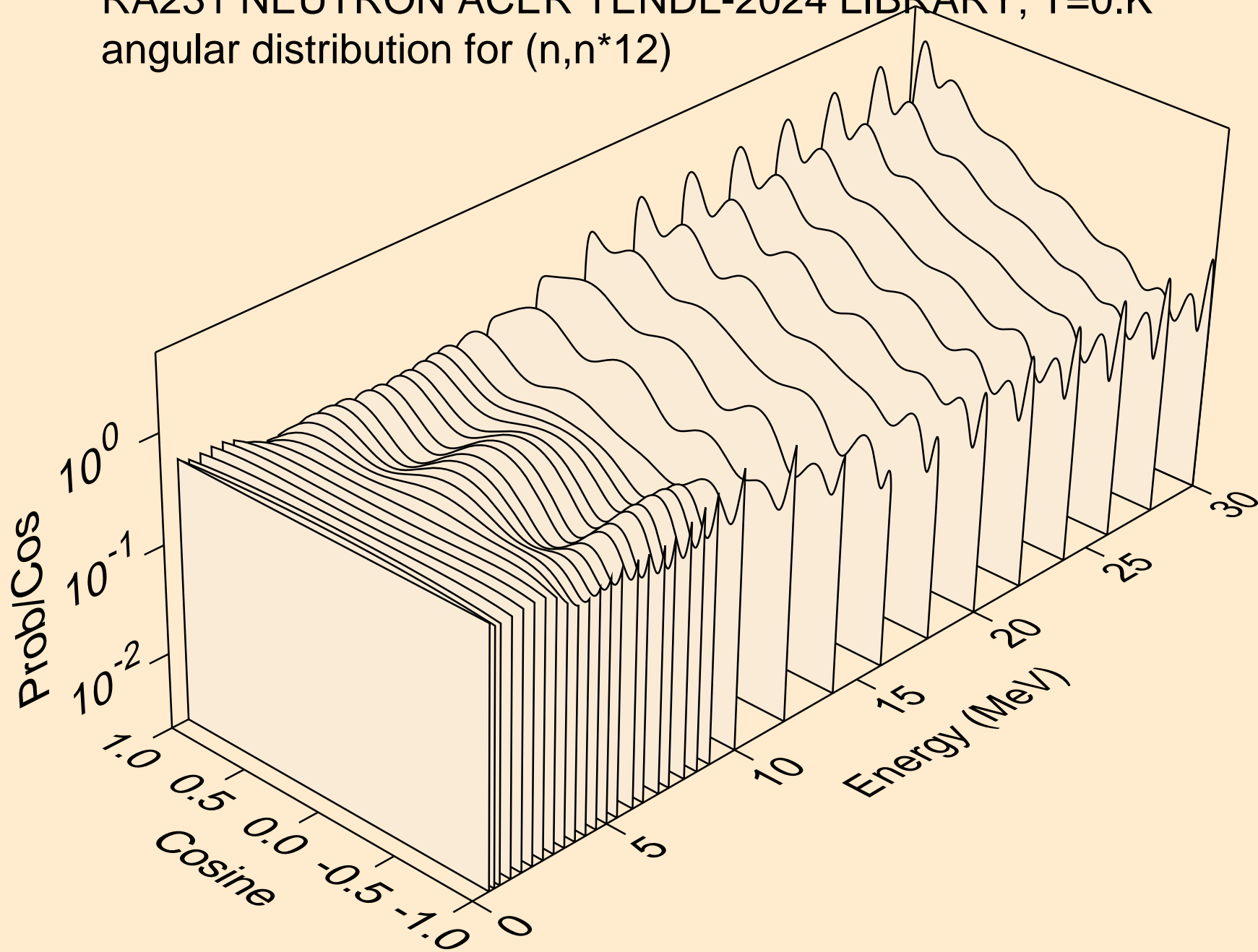


RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*11)



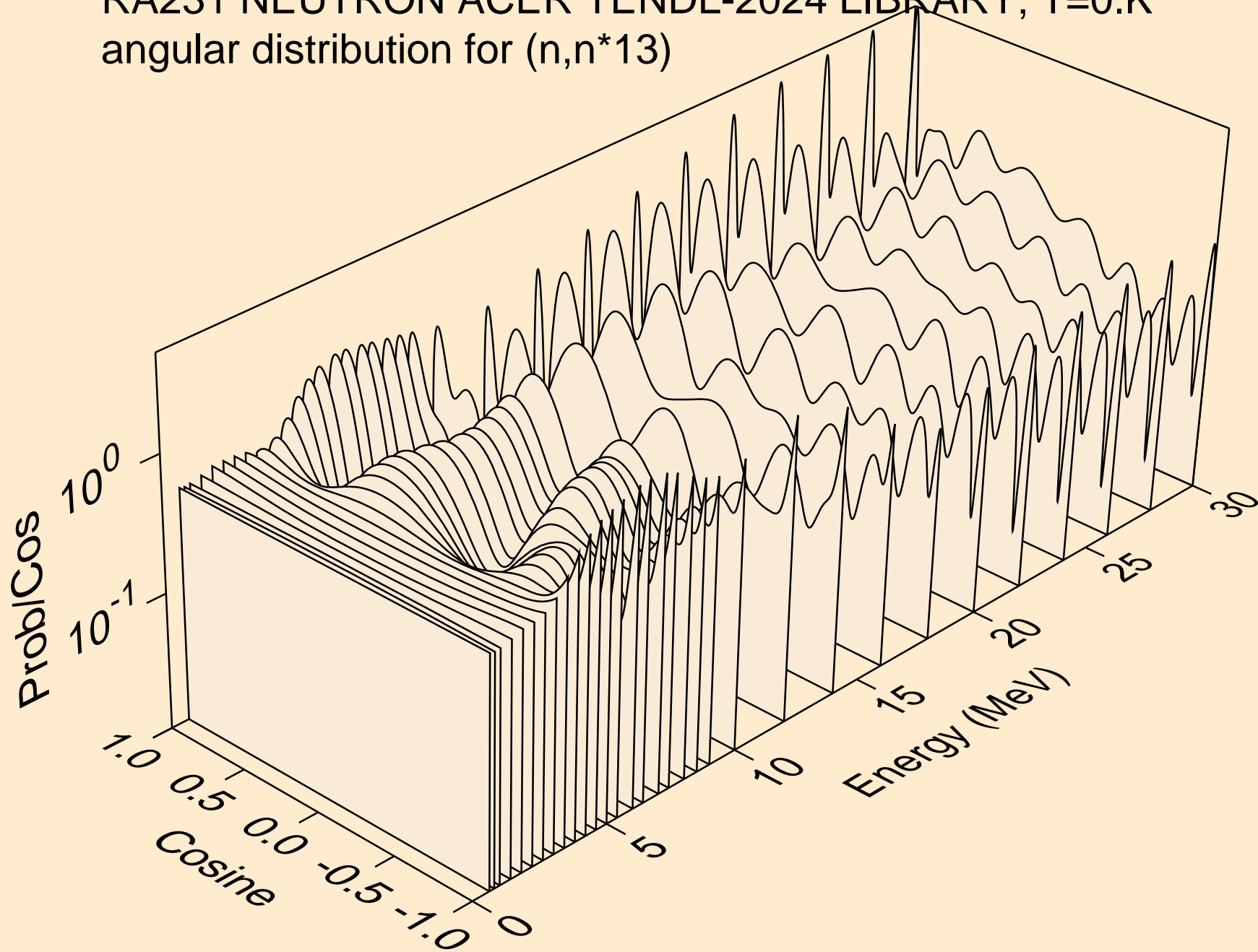


RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*12)

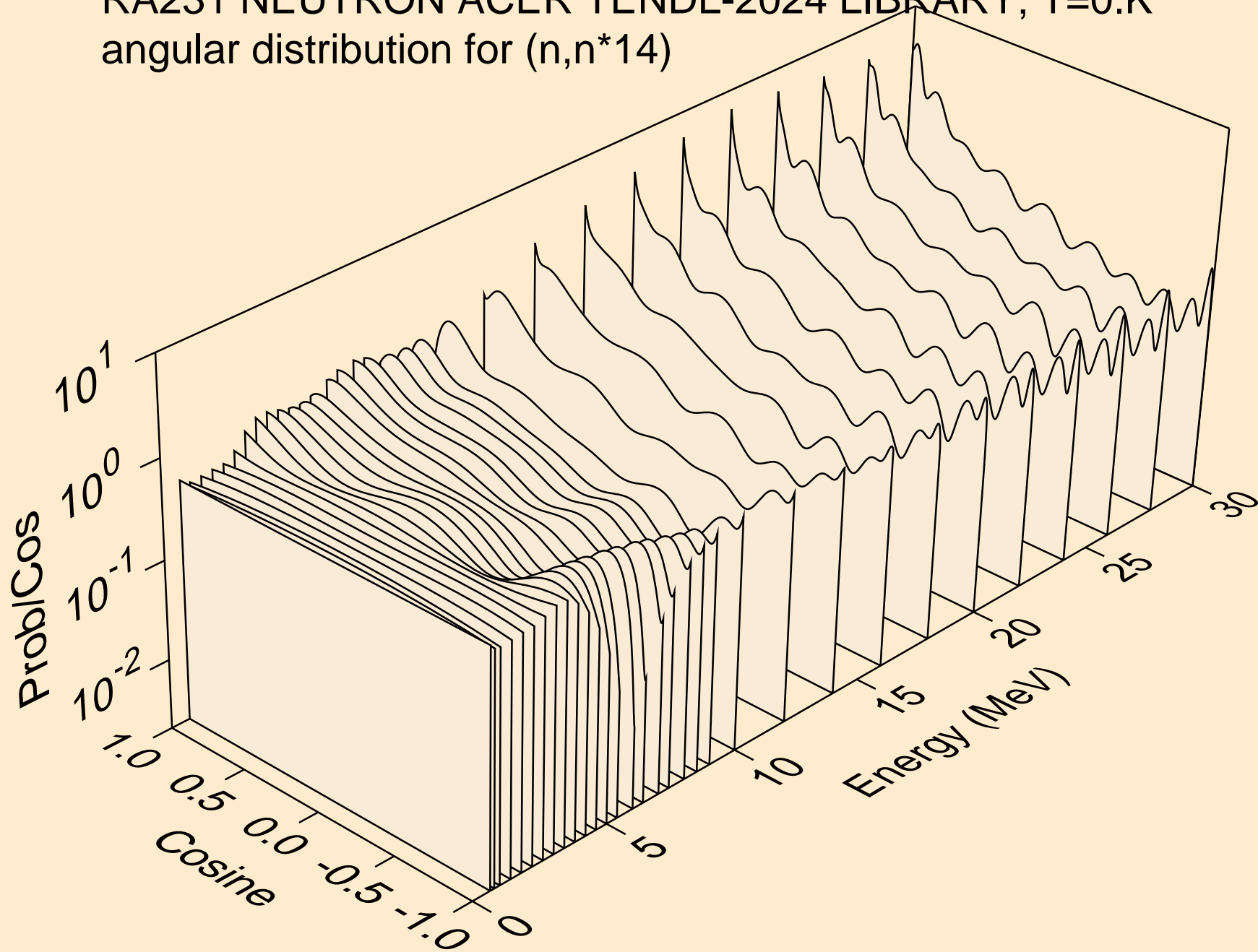




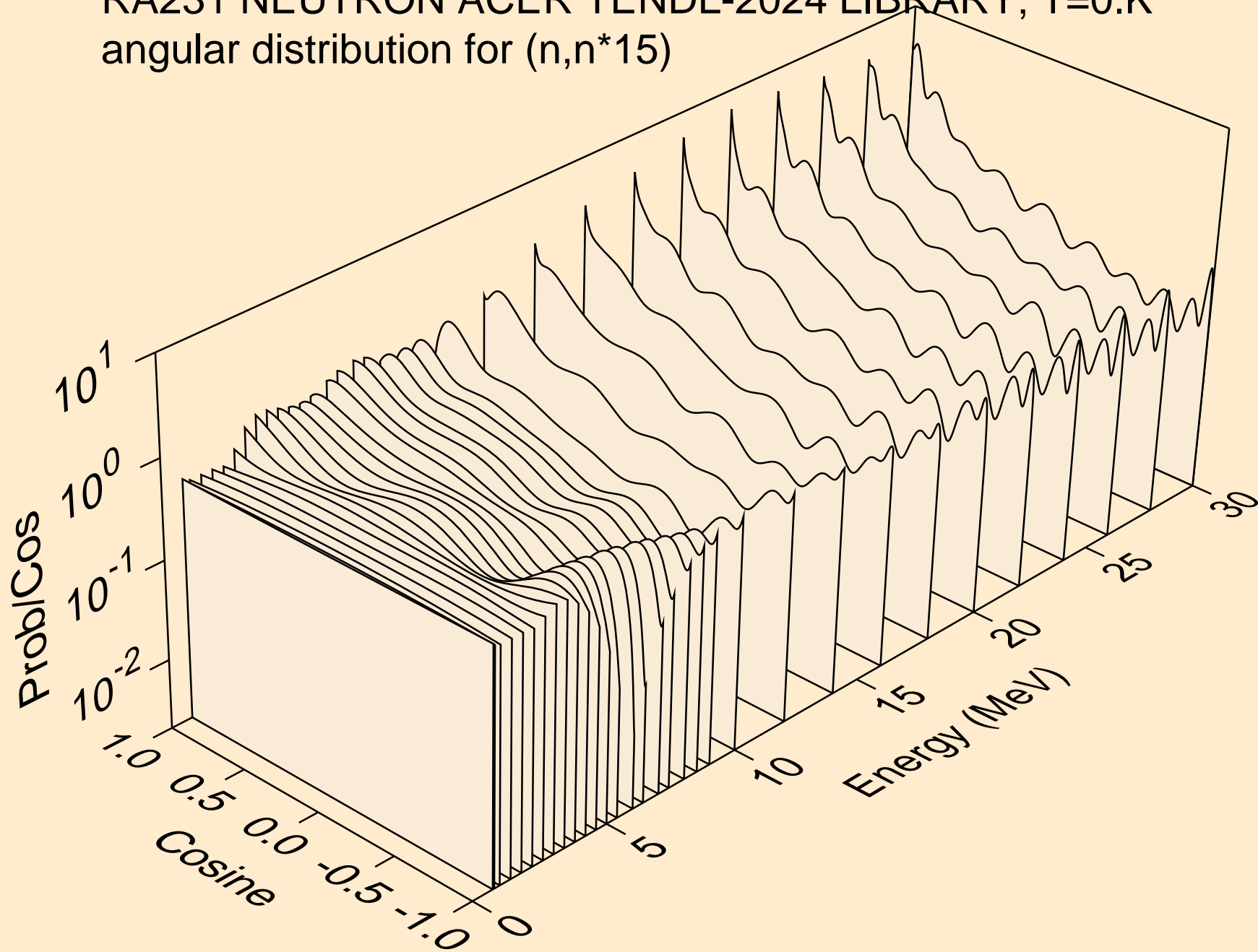
RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*13)



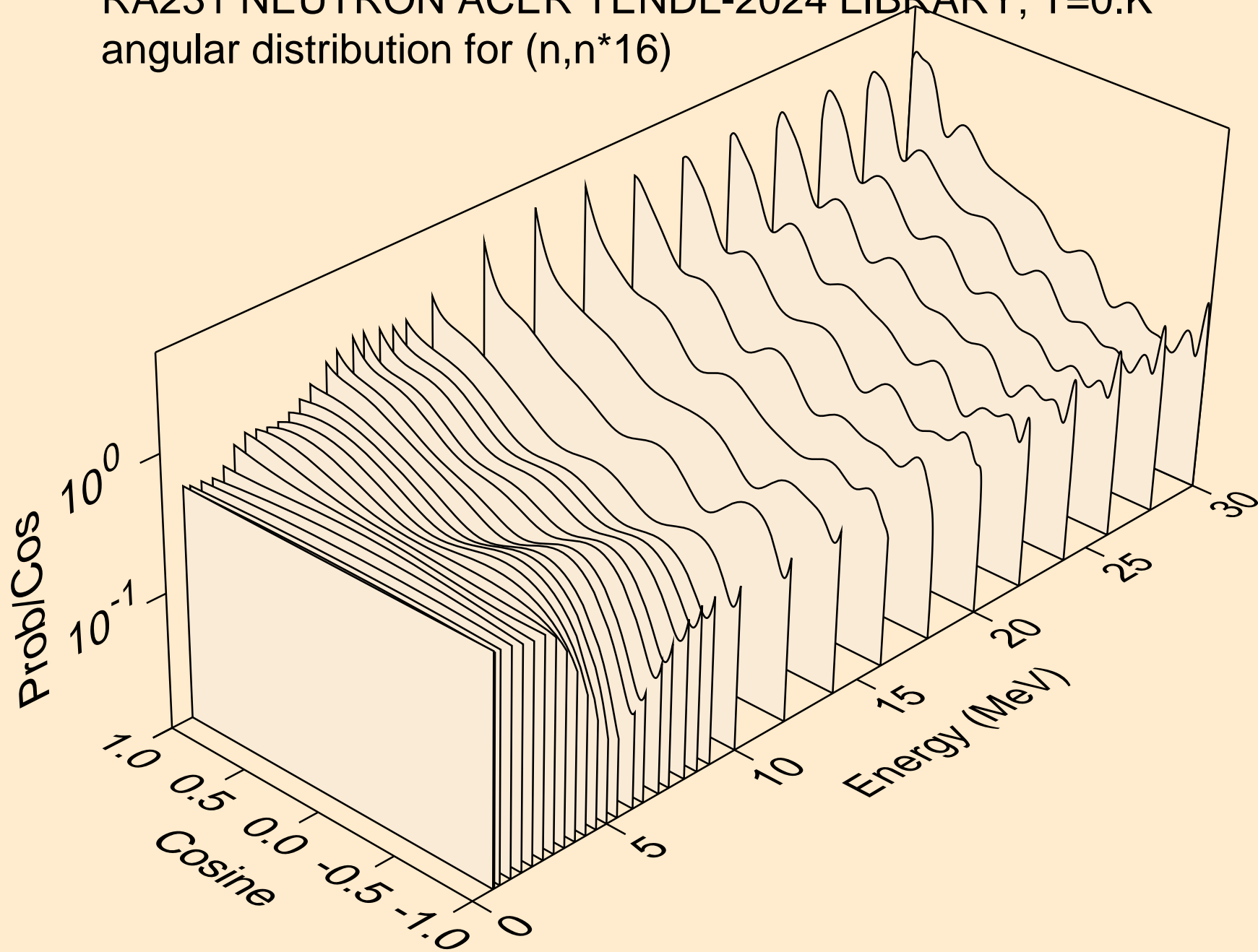
RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*14)



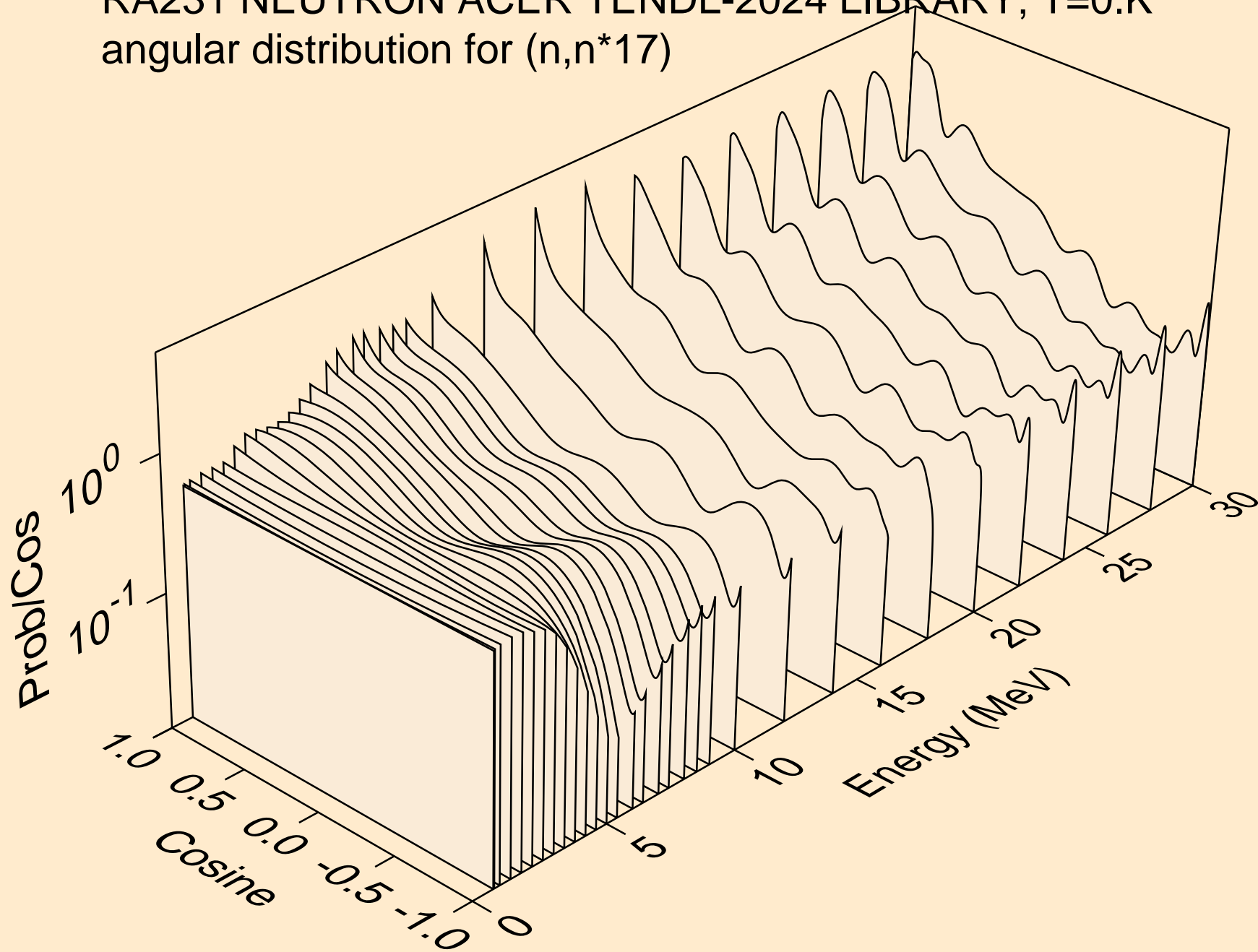
RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*15)



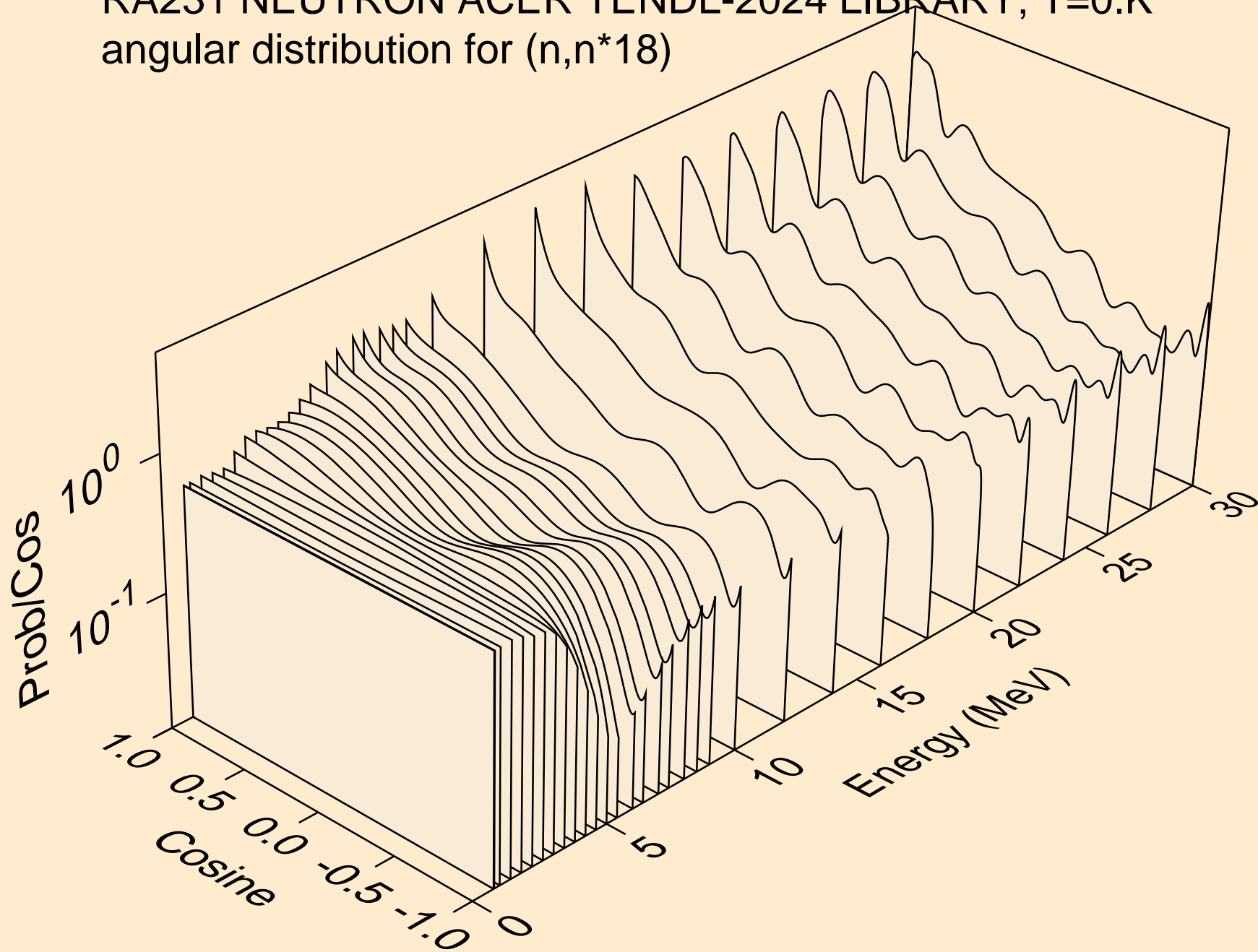
RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*16)



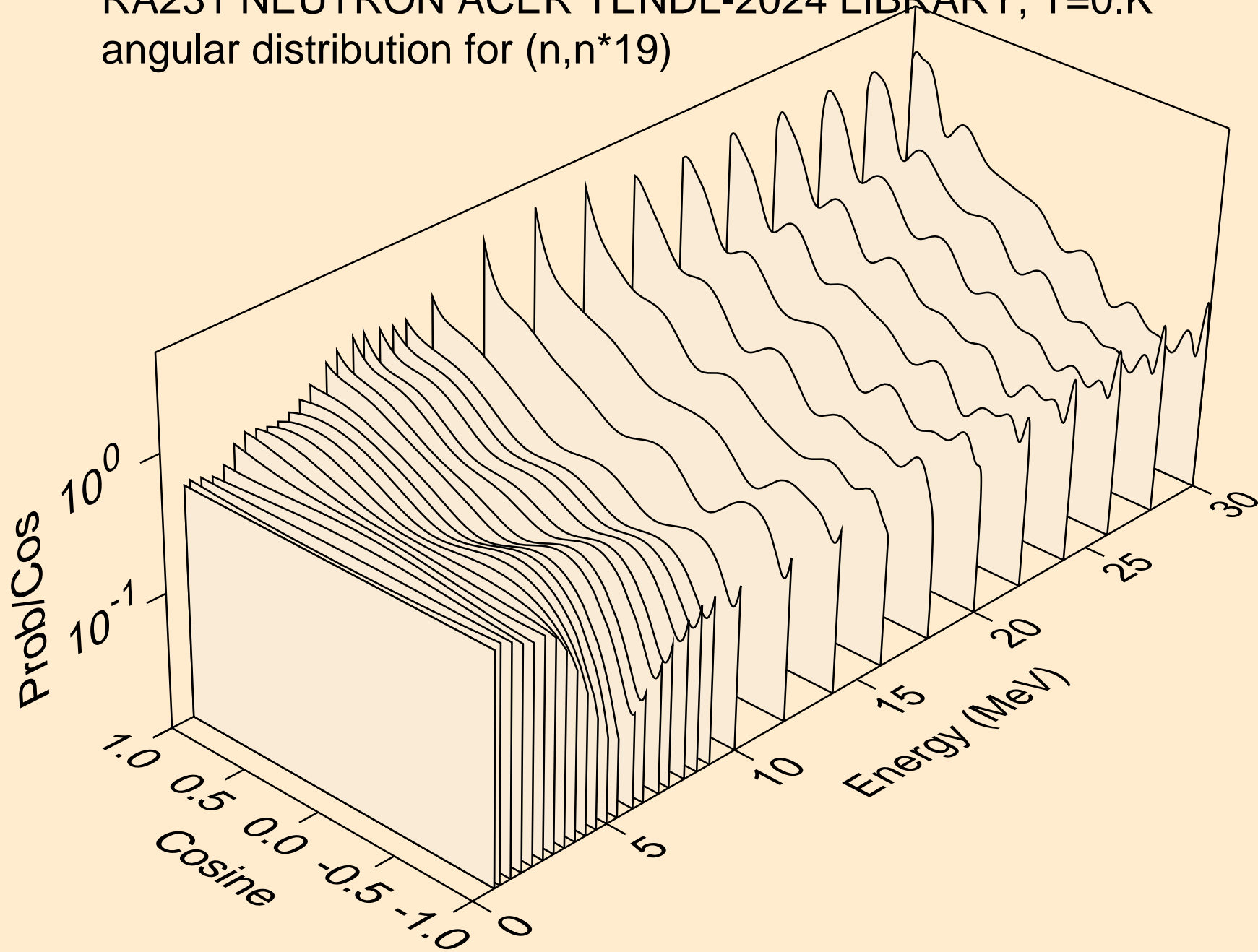
RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*17)



RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*18)

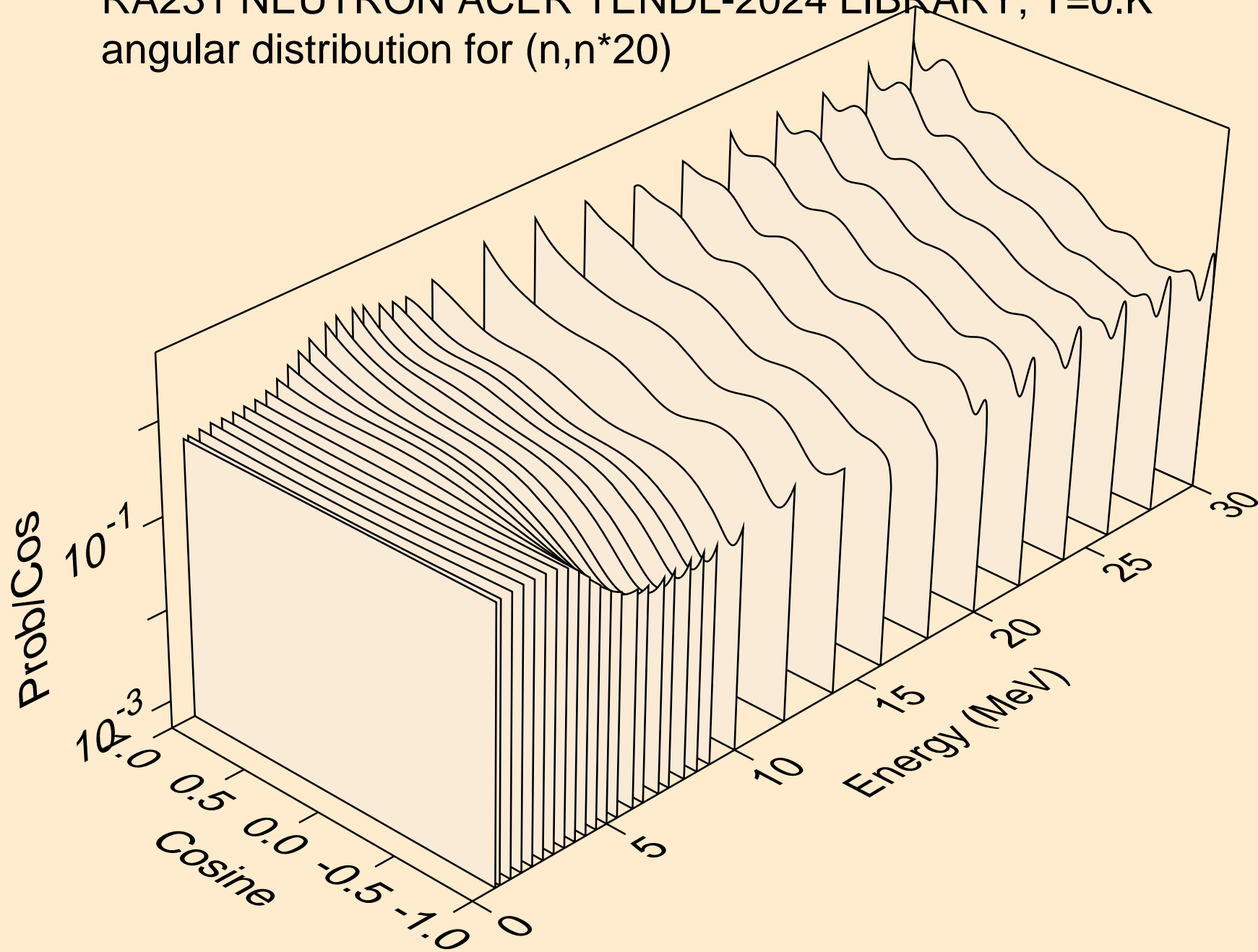


RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*19)



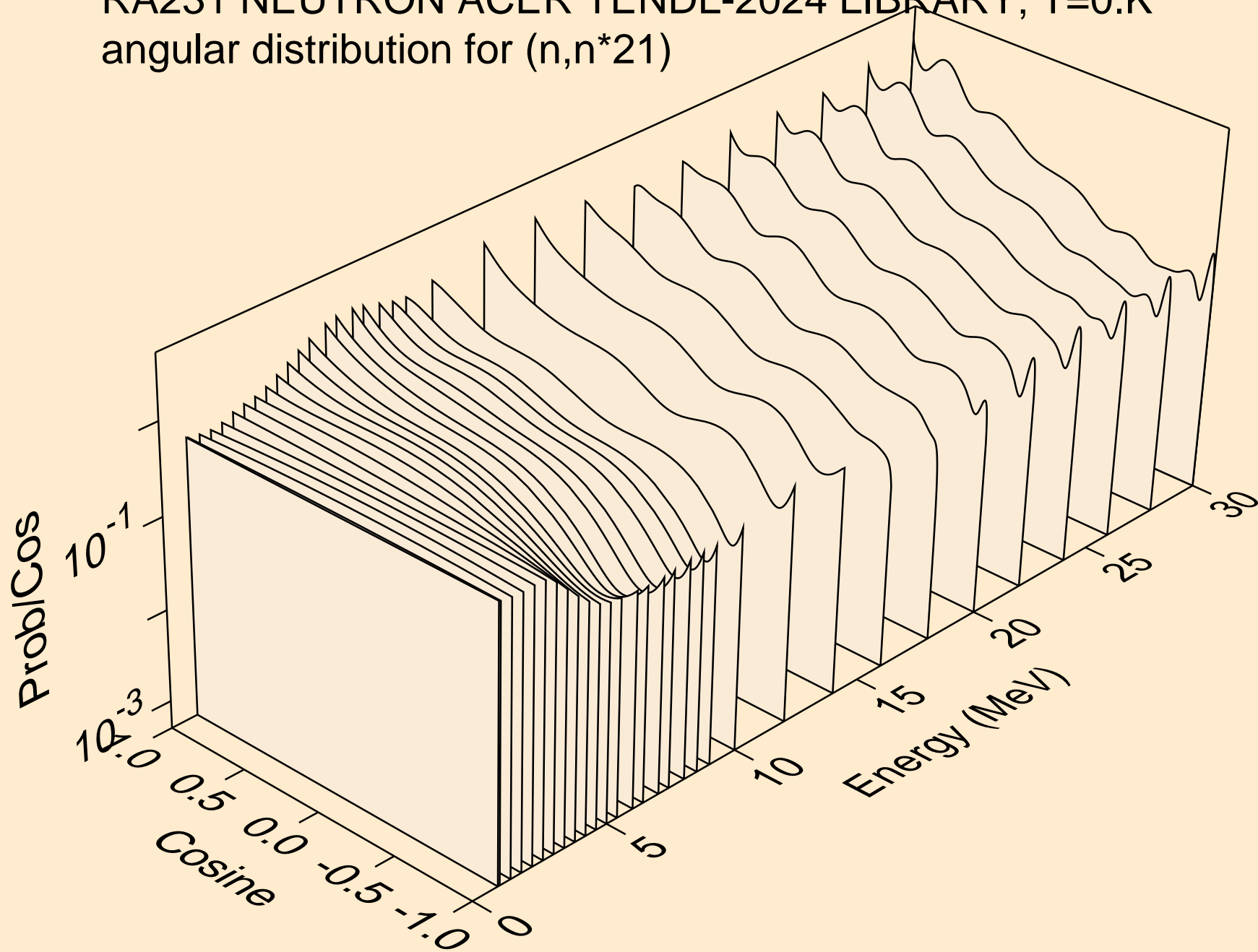


RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*20)

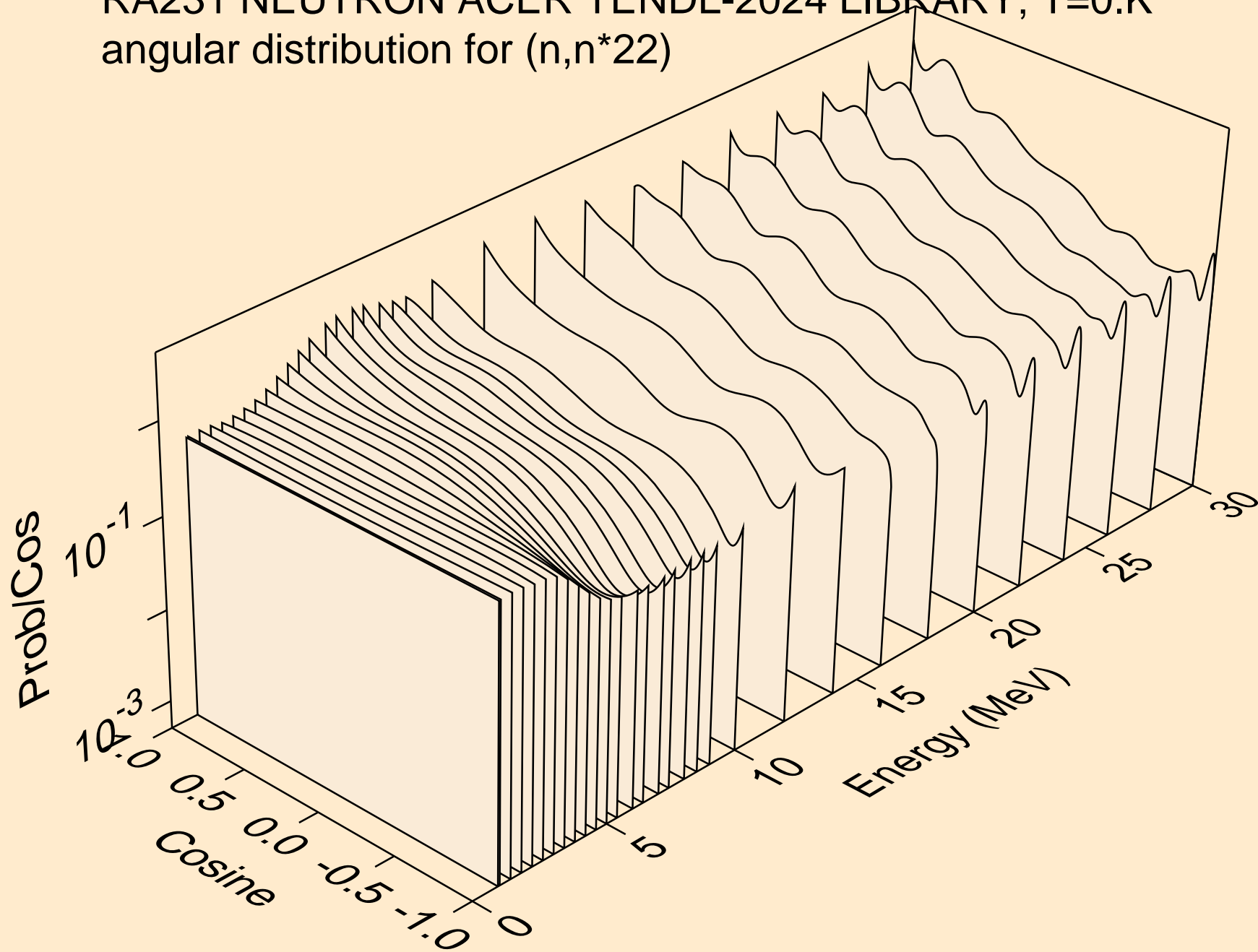




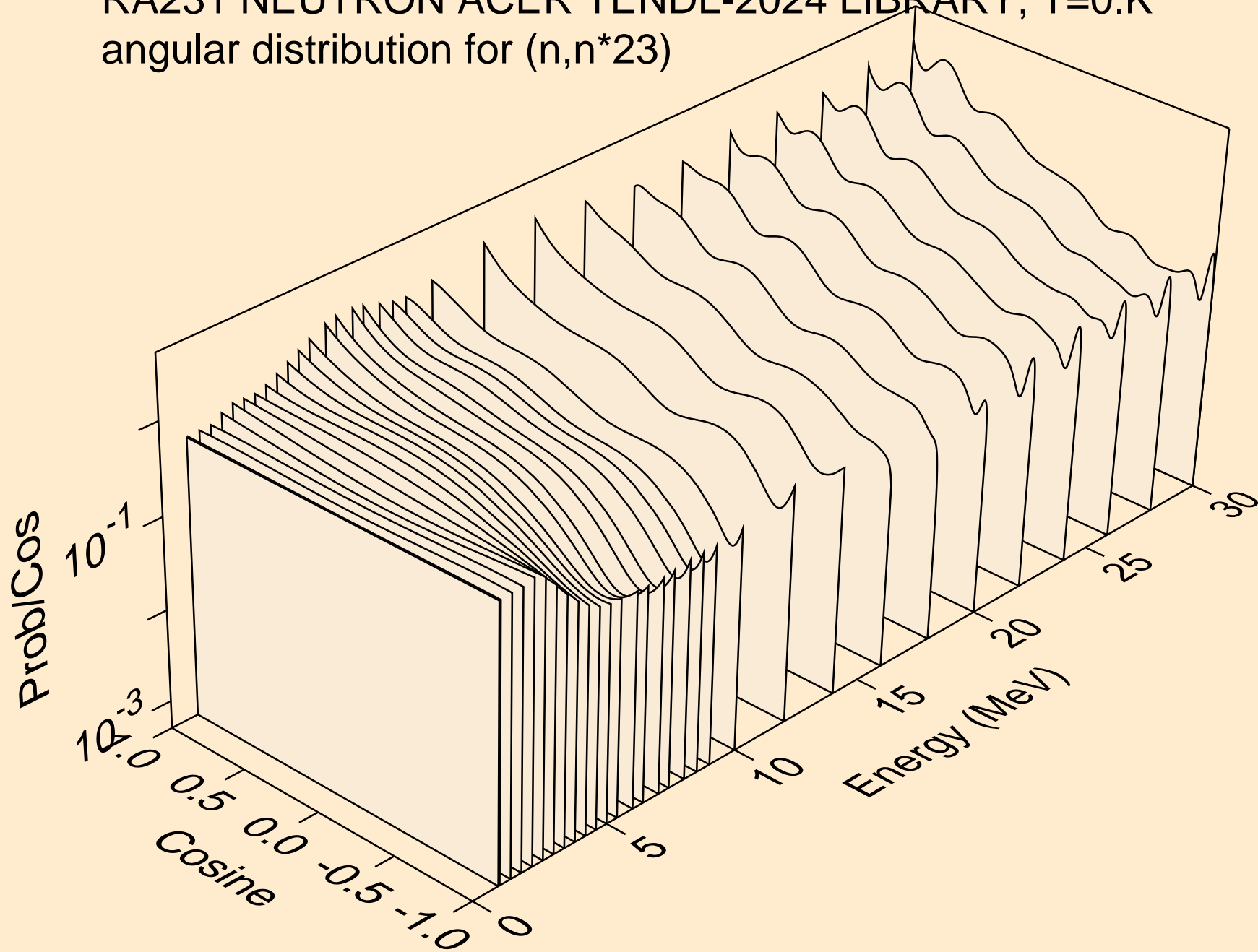
RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*21)



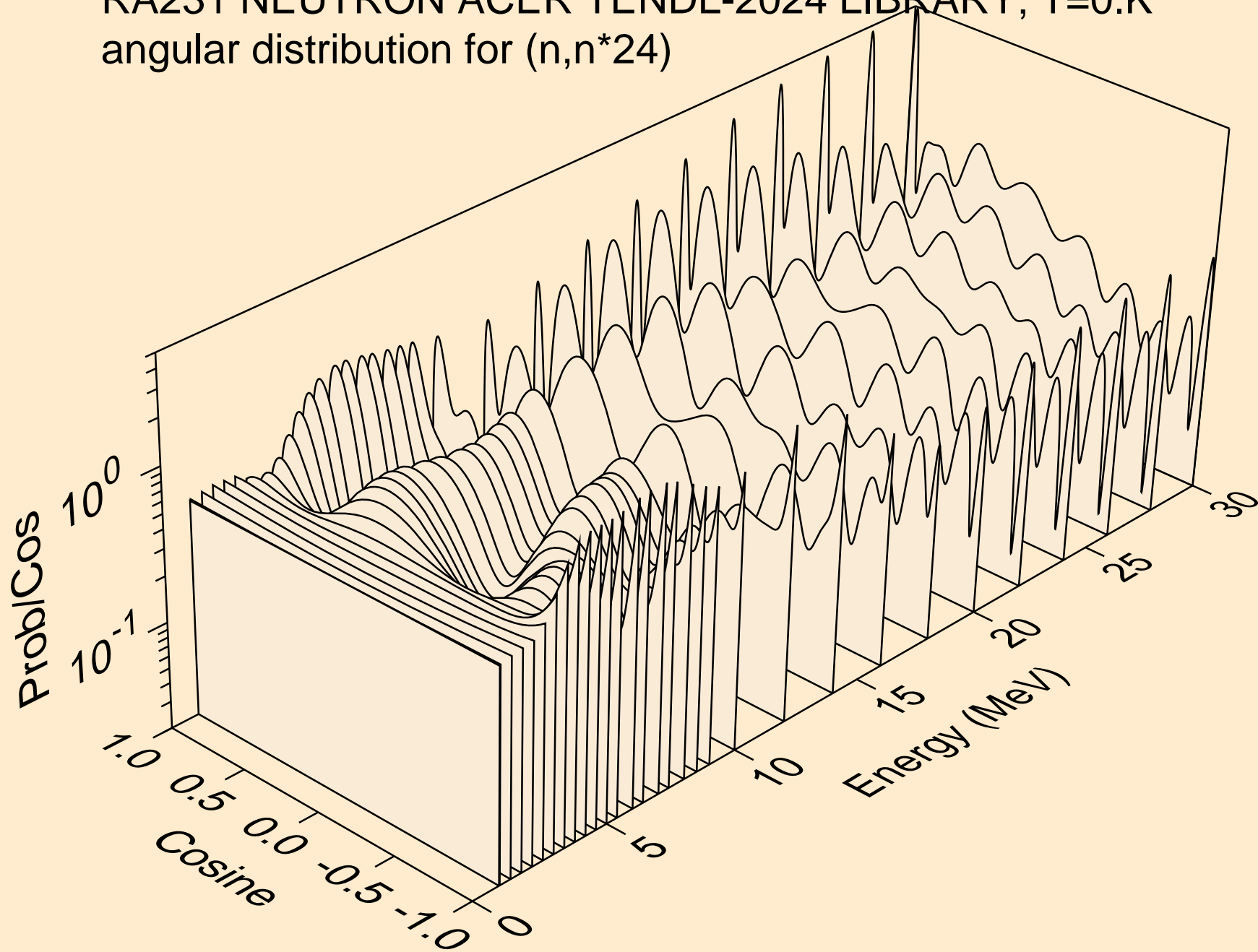
RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*22)



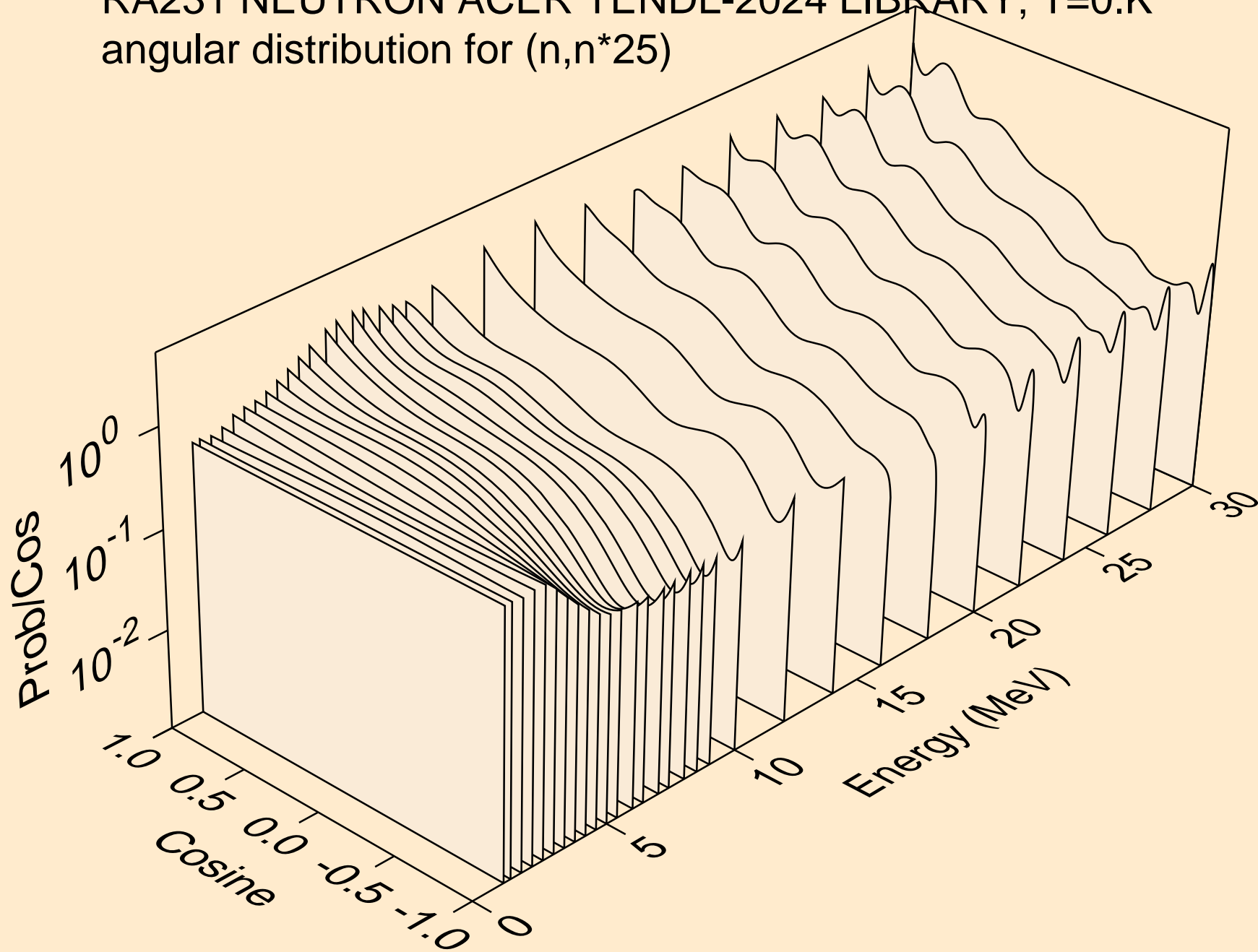
RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*23)



RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*24)

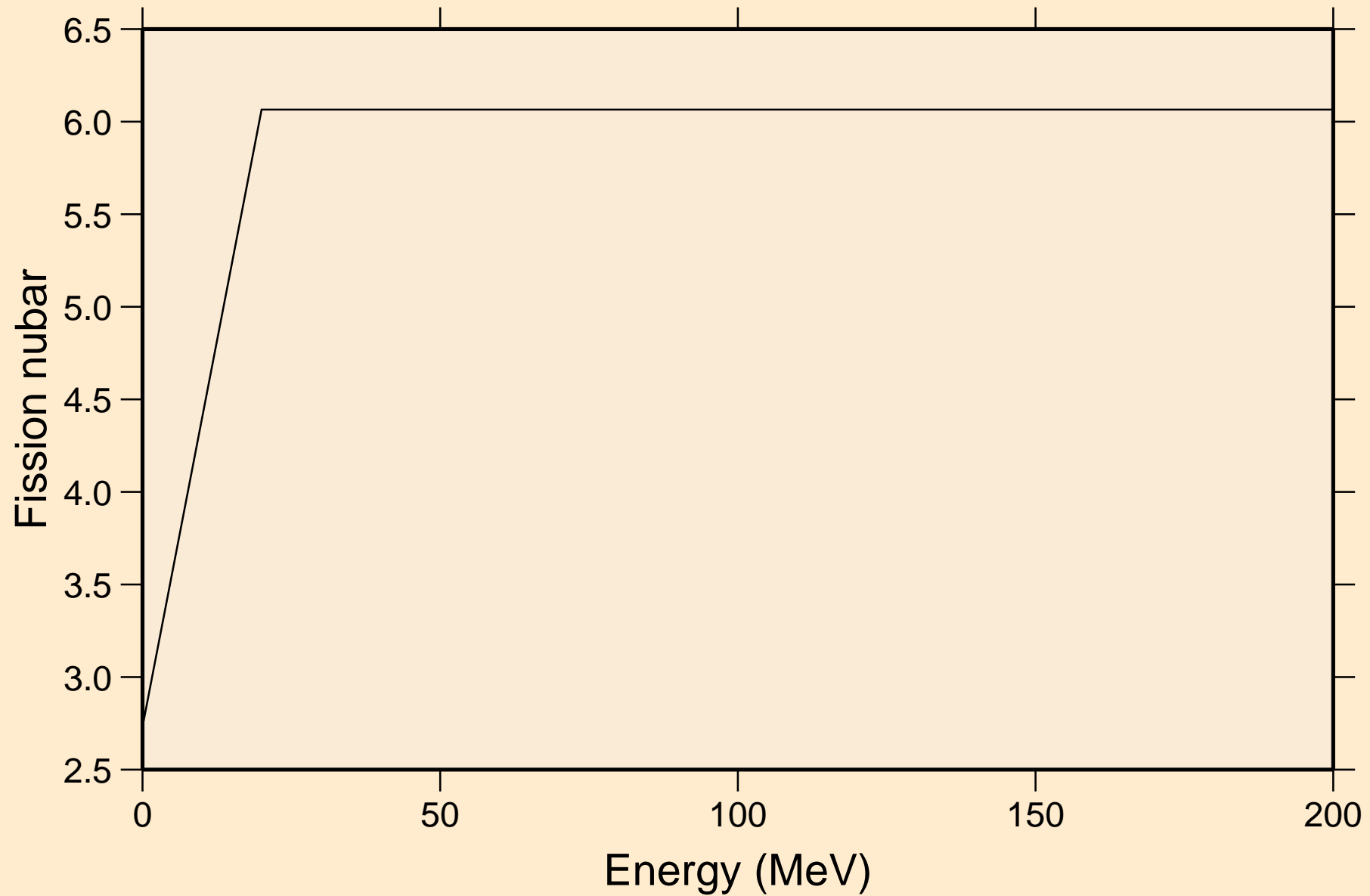


RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*25)

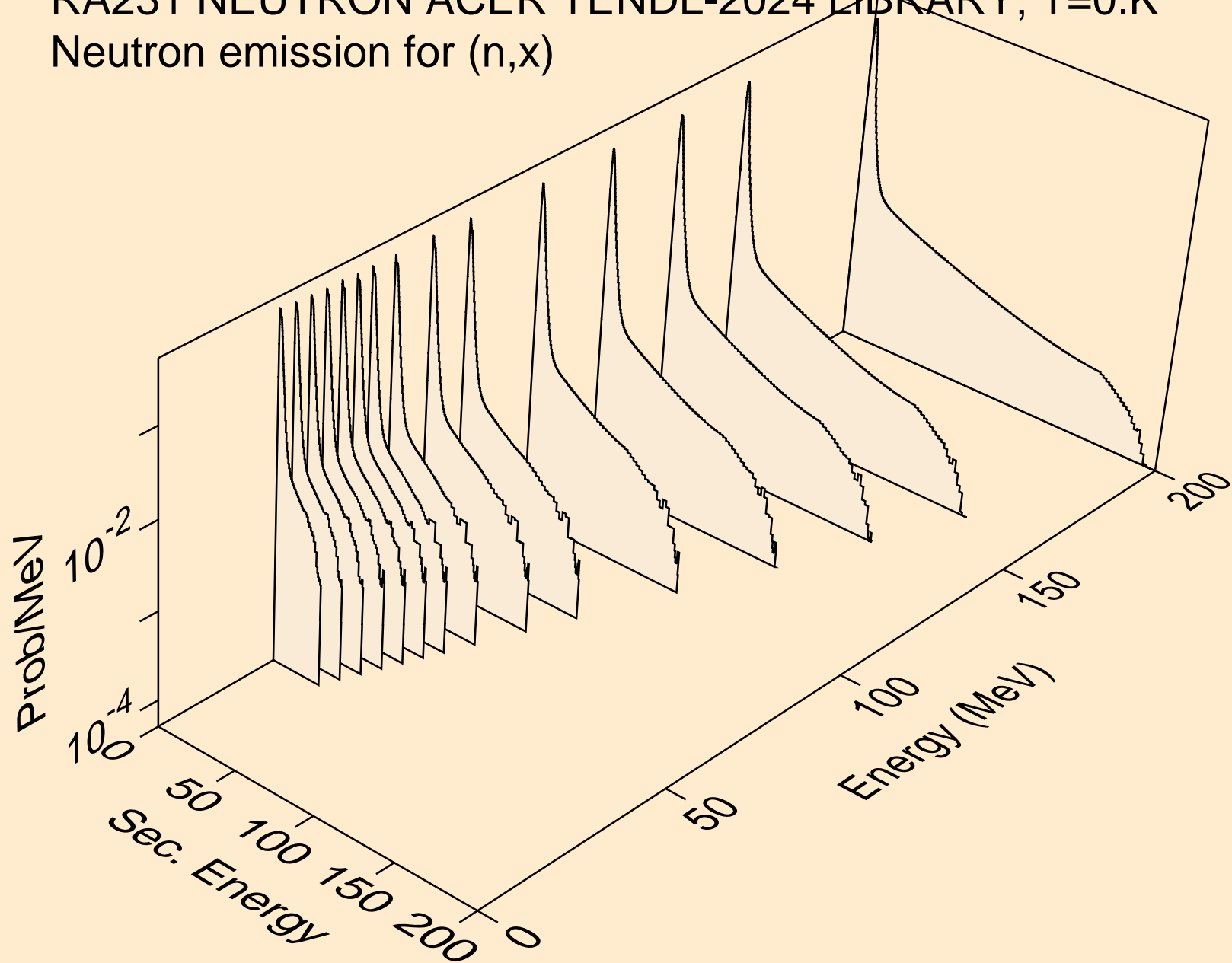


RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

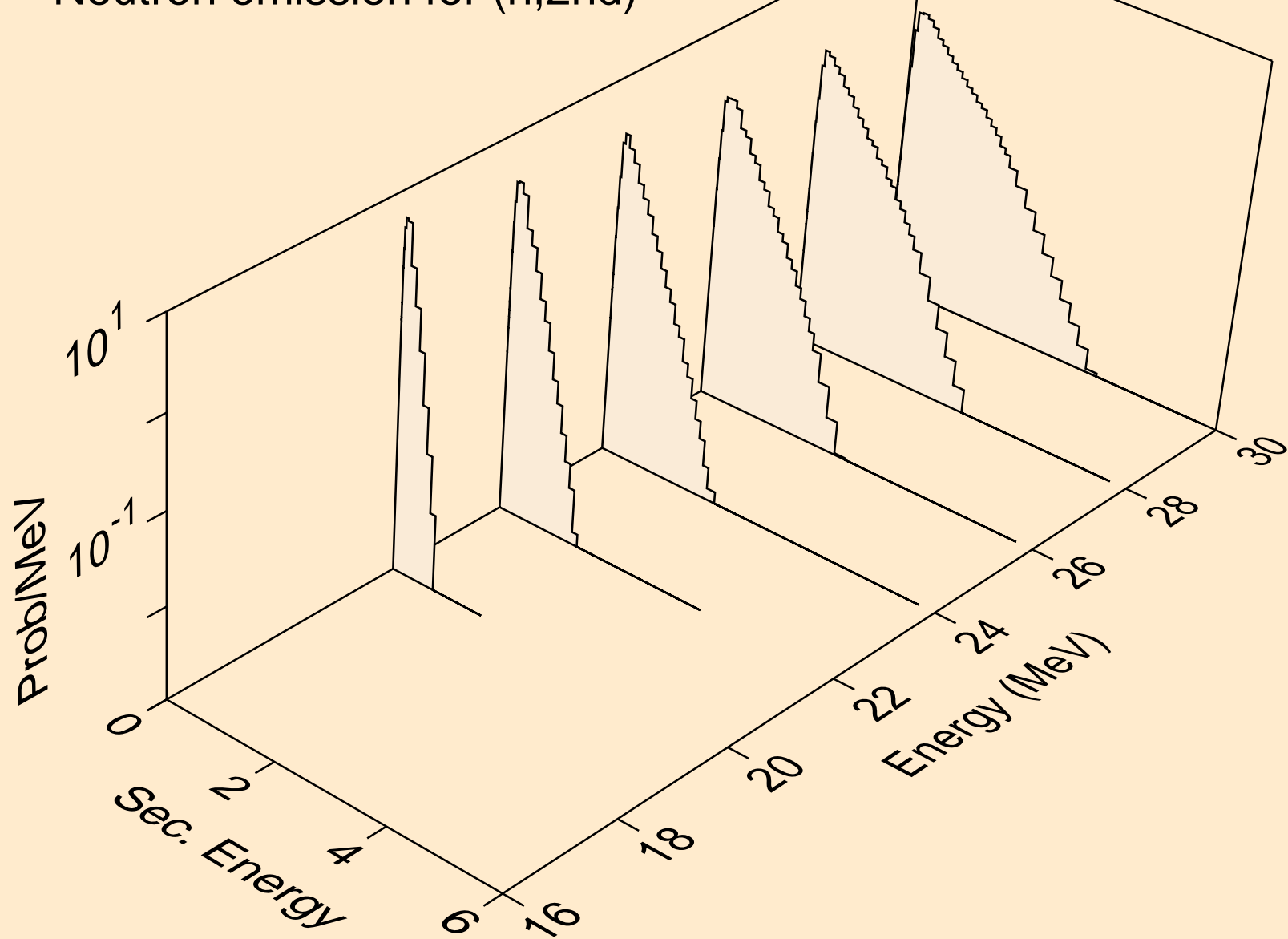
Total fission nubar



RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,x)

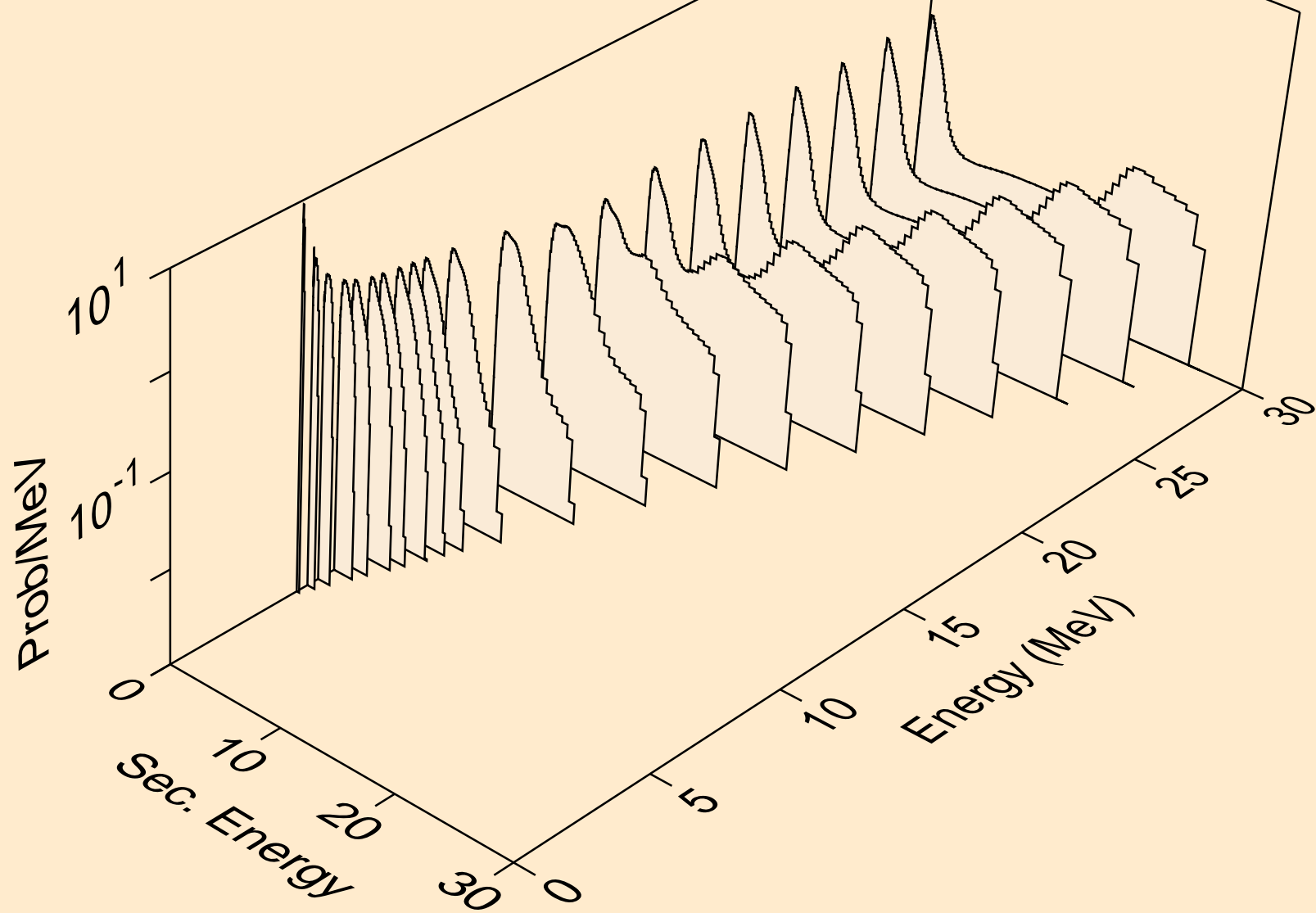


RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2nd)

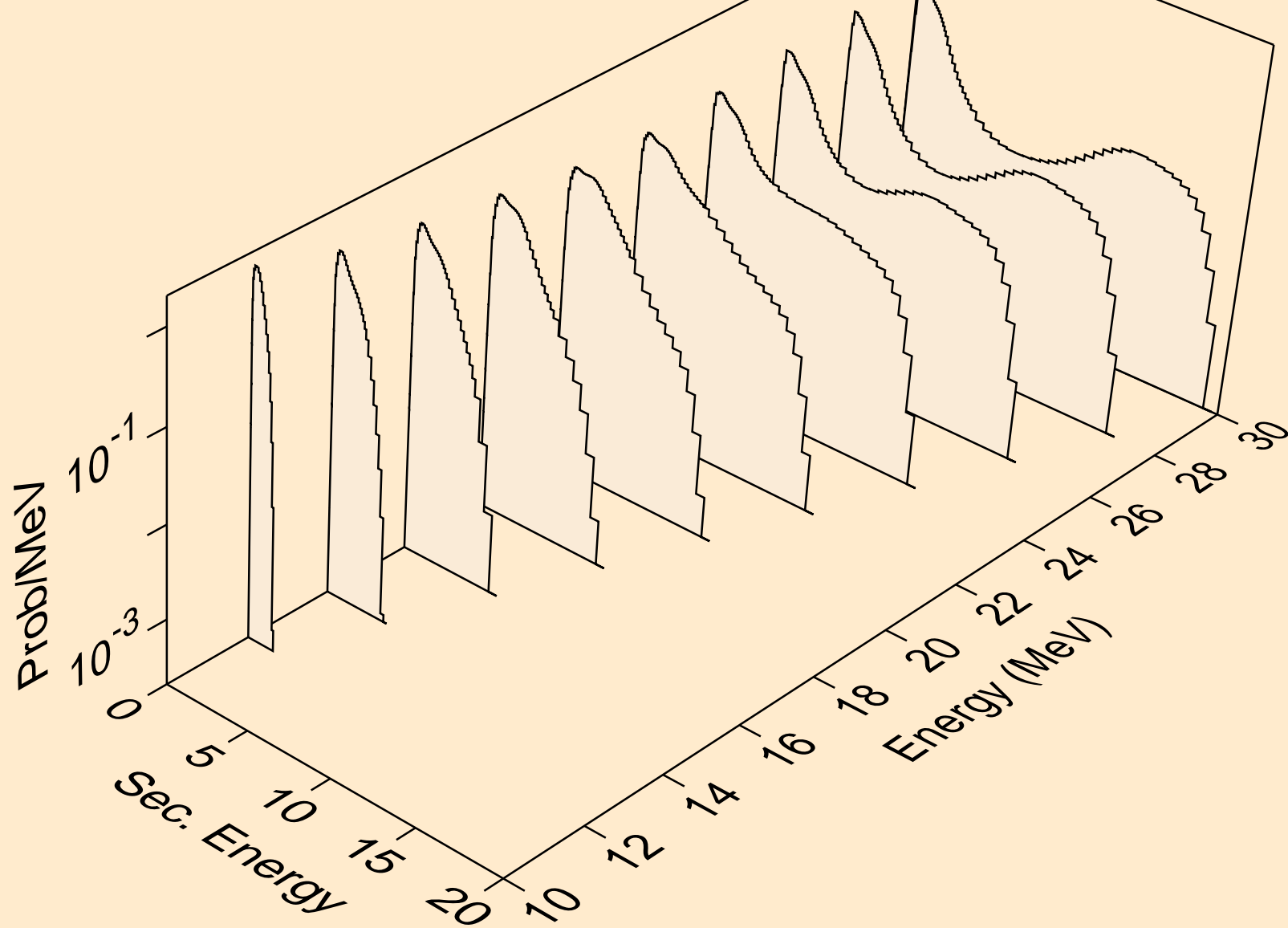




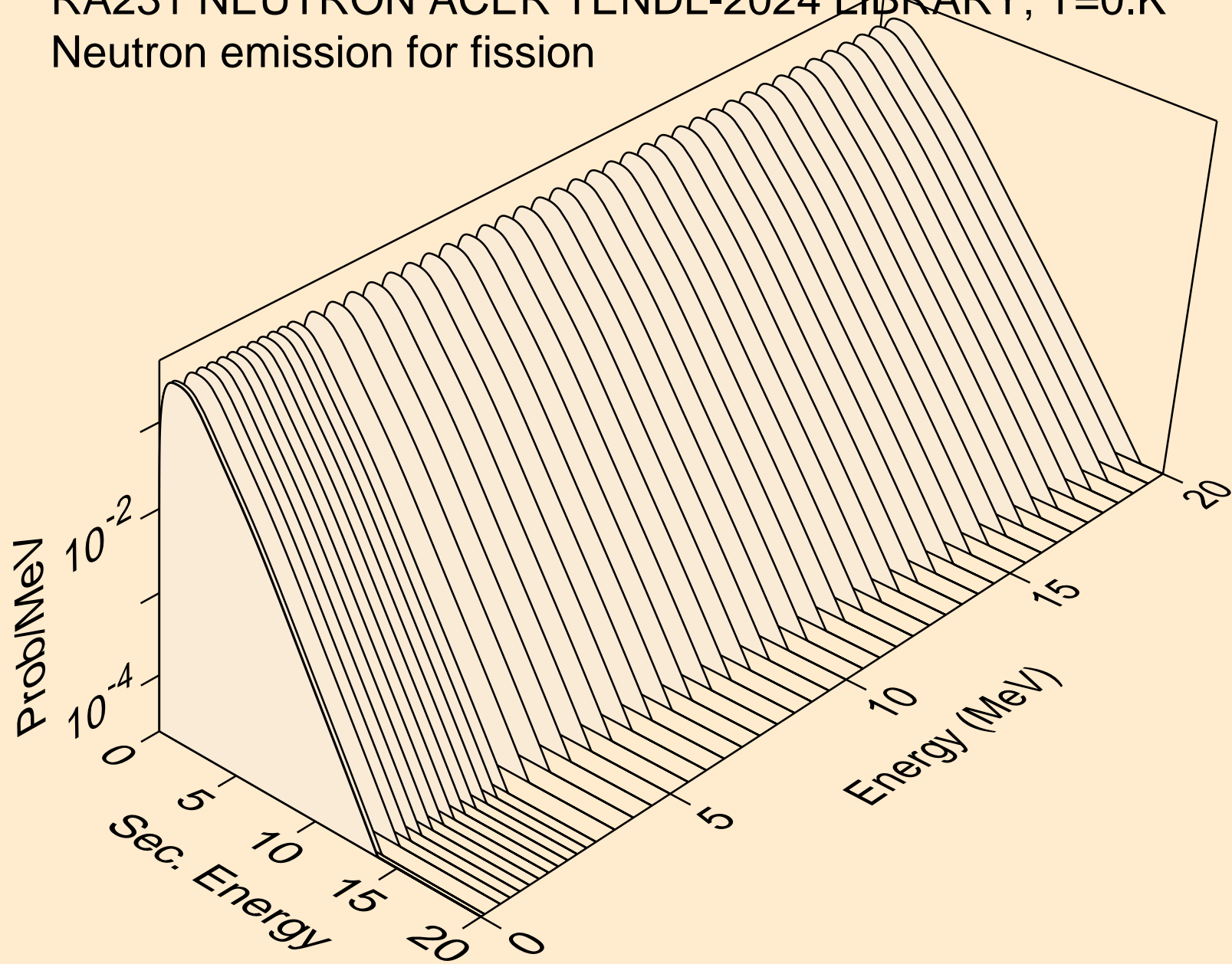
RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)



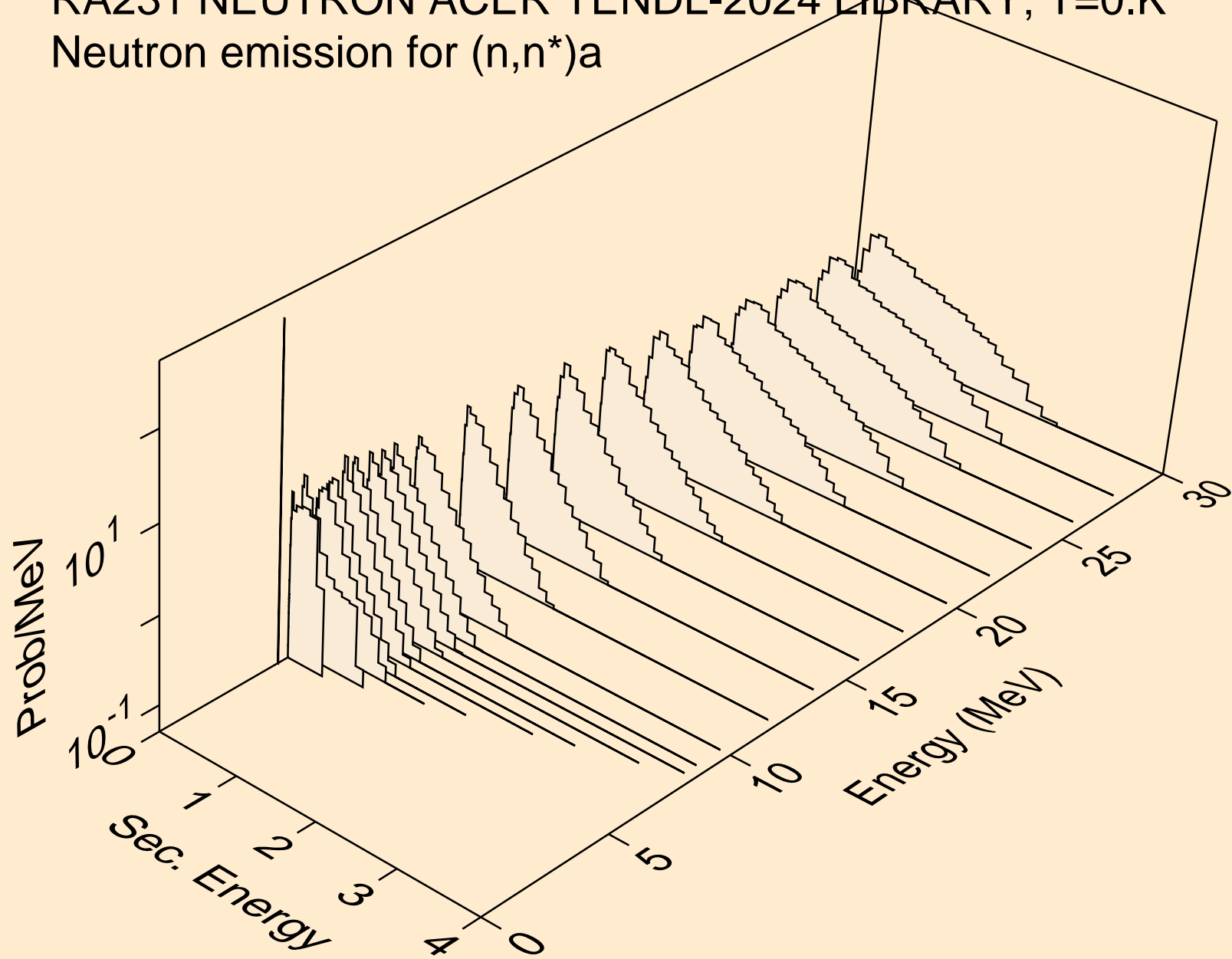
RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)



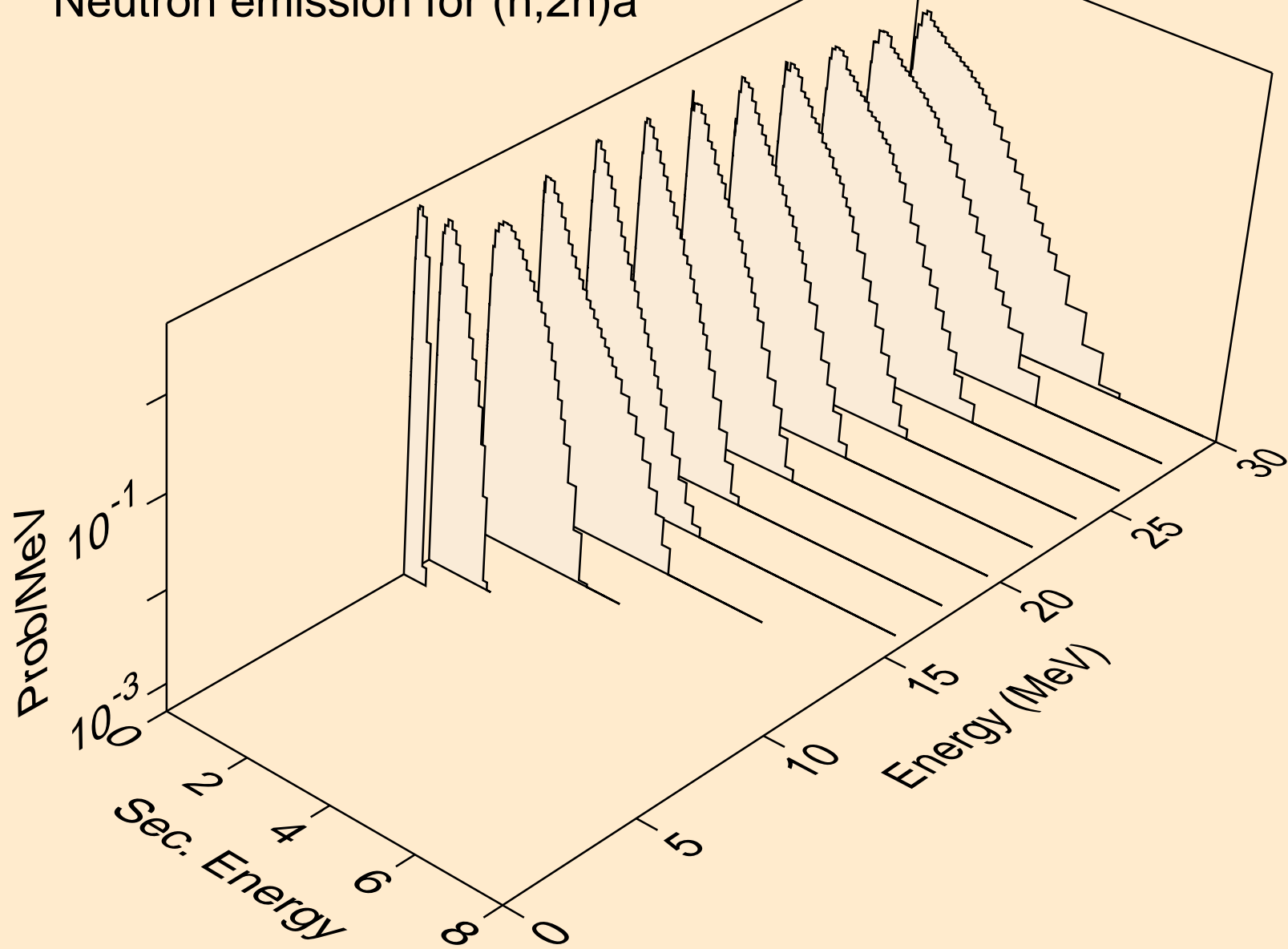
RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for fission



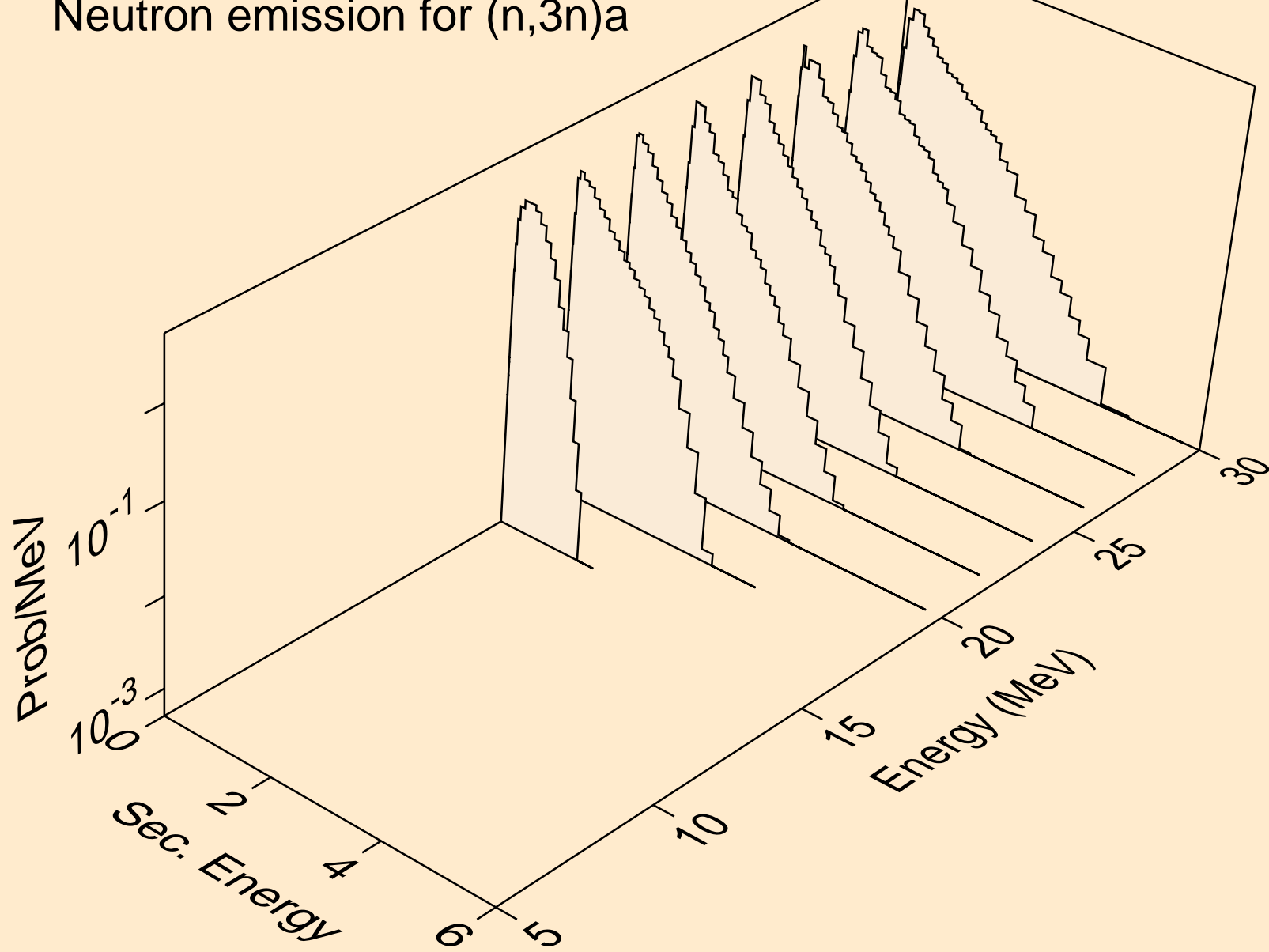
RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



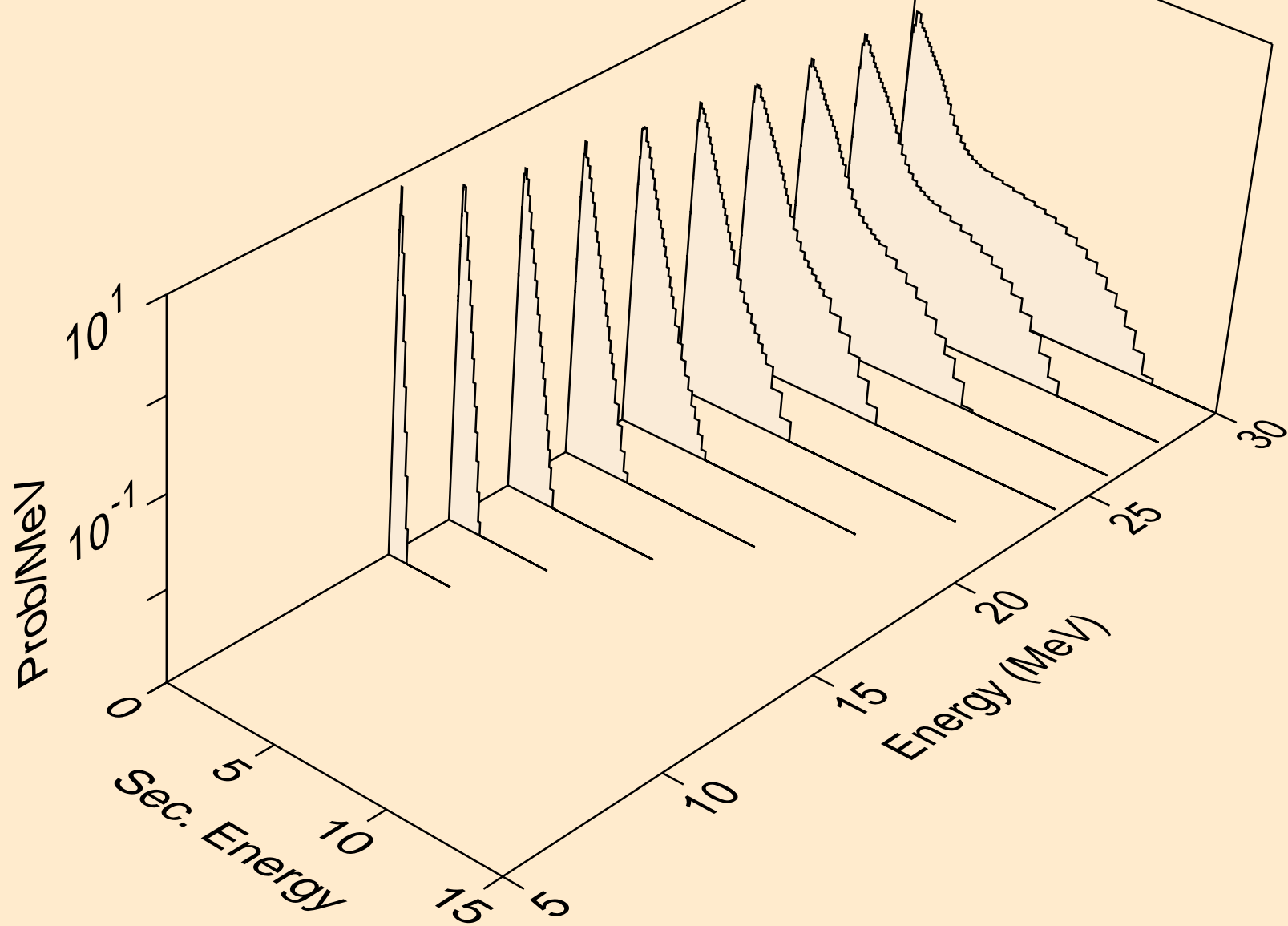
RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)a



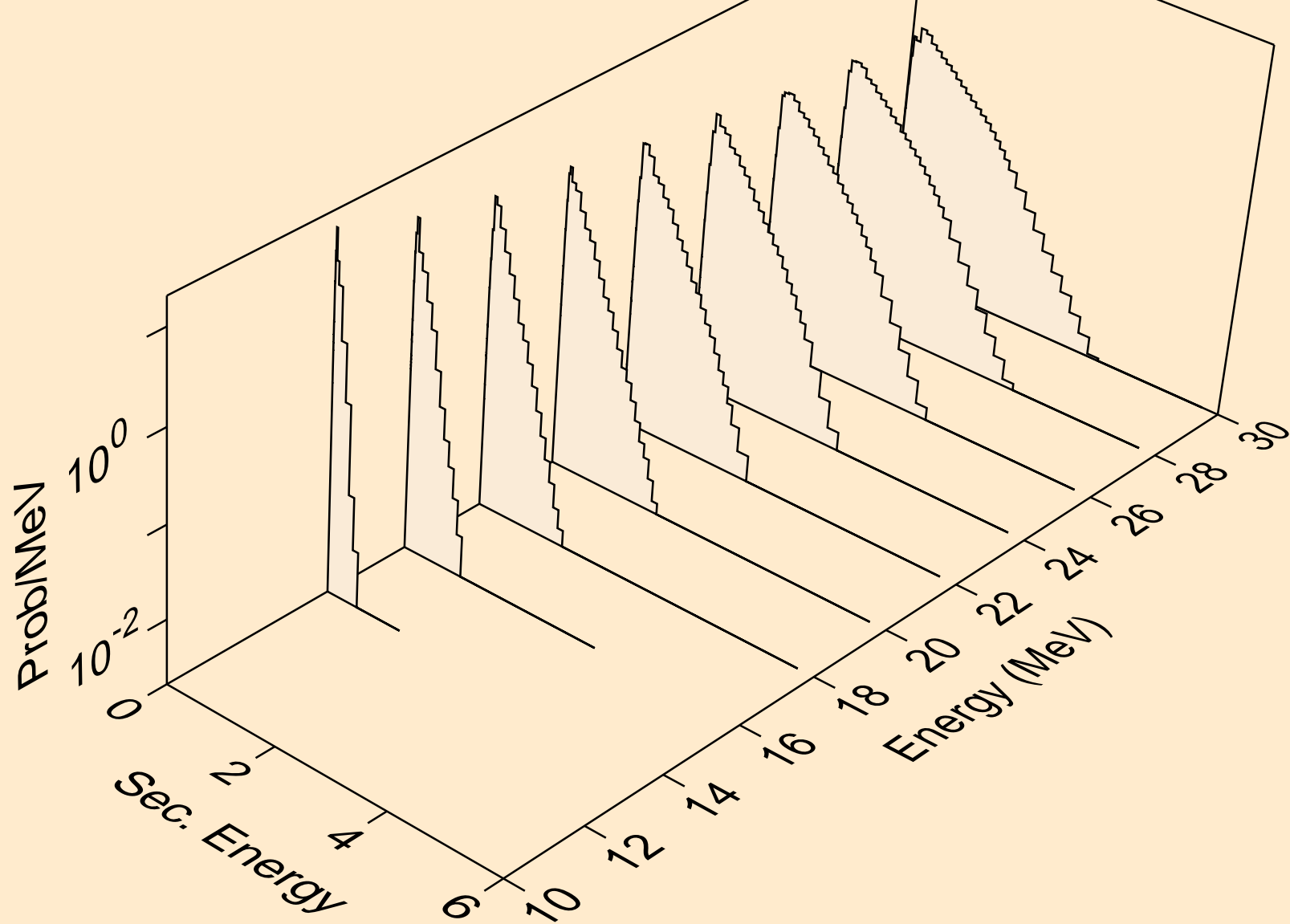
RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)a



RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p

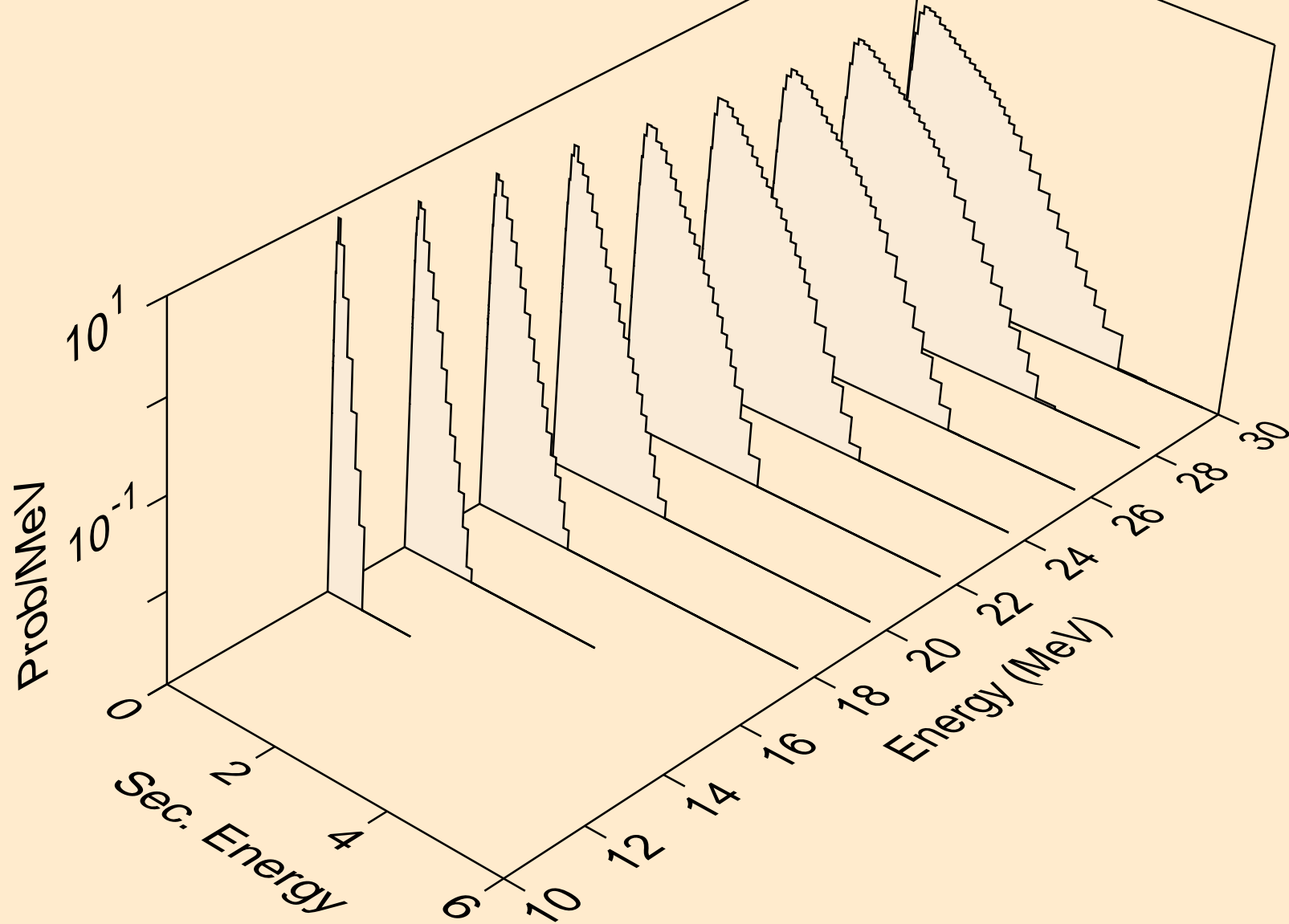


RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d

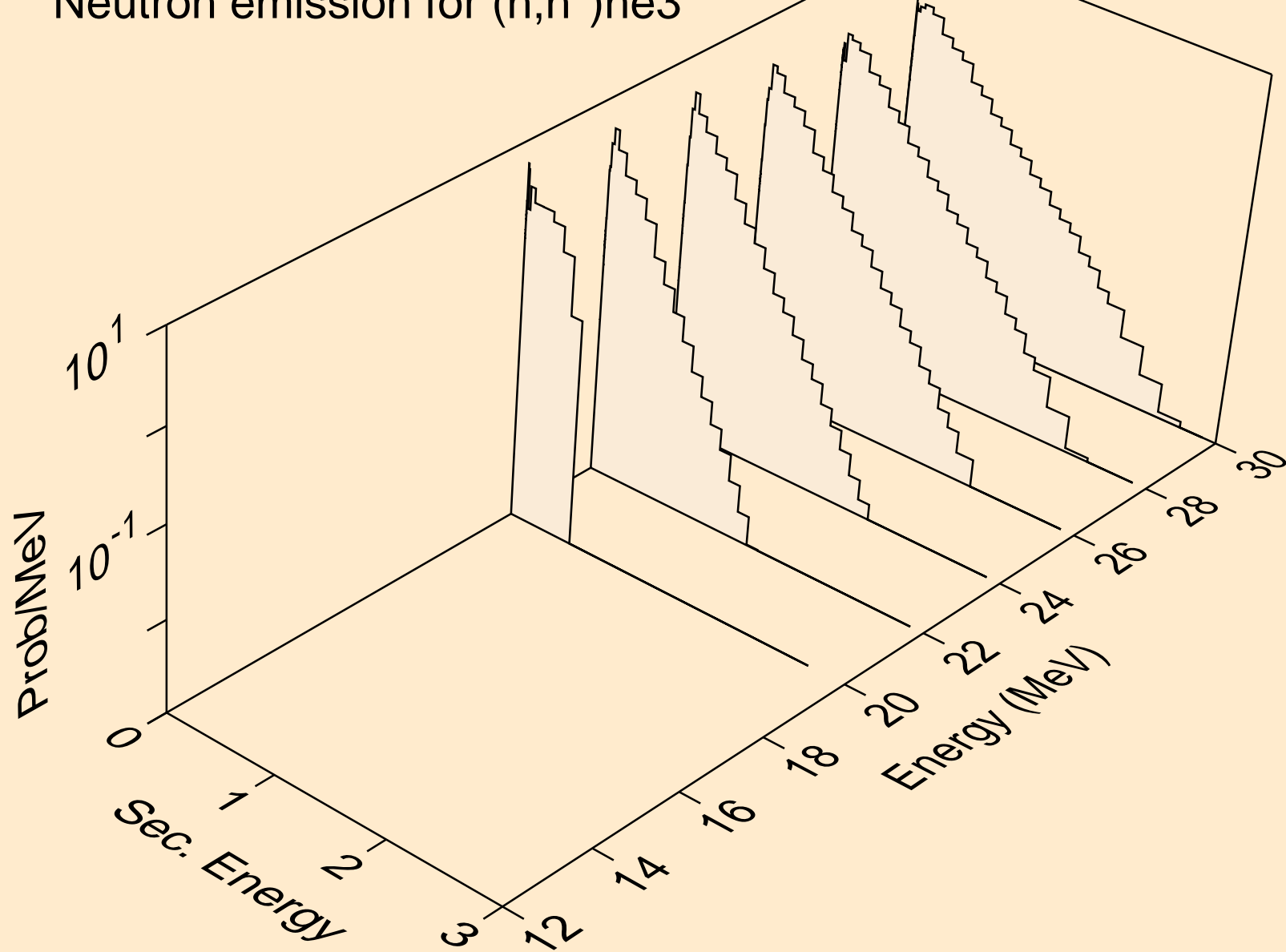




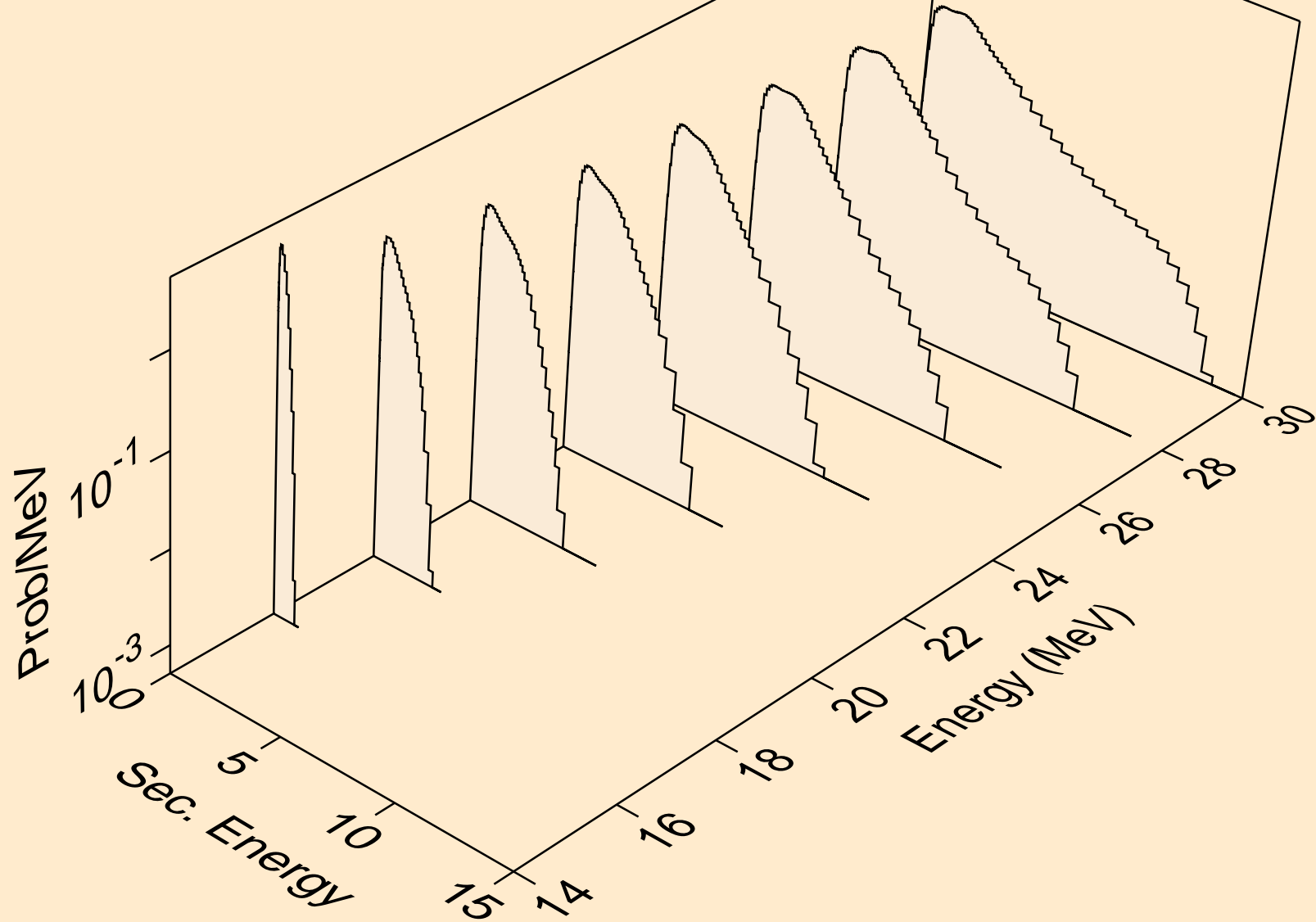
RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



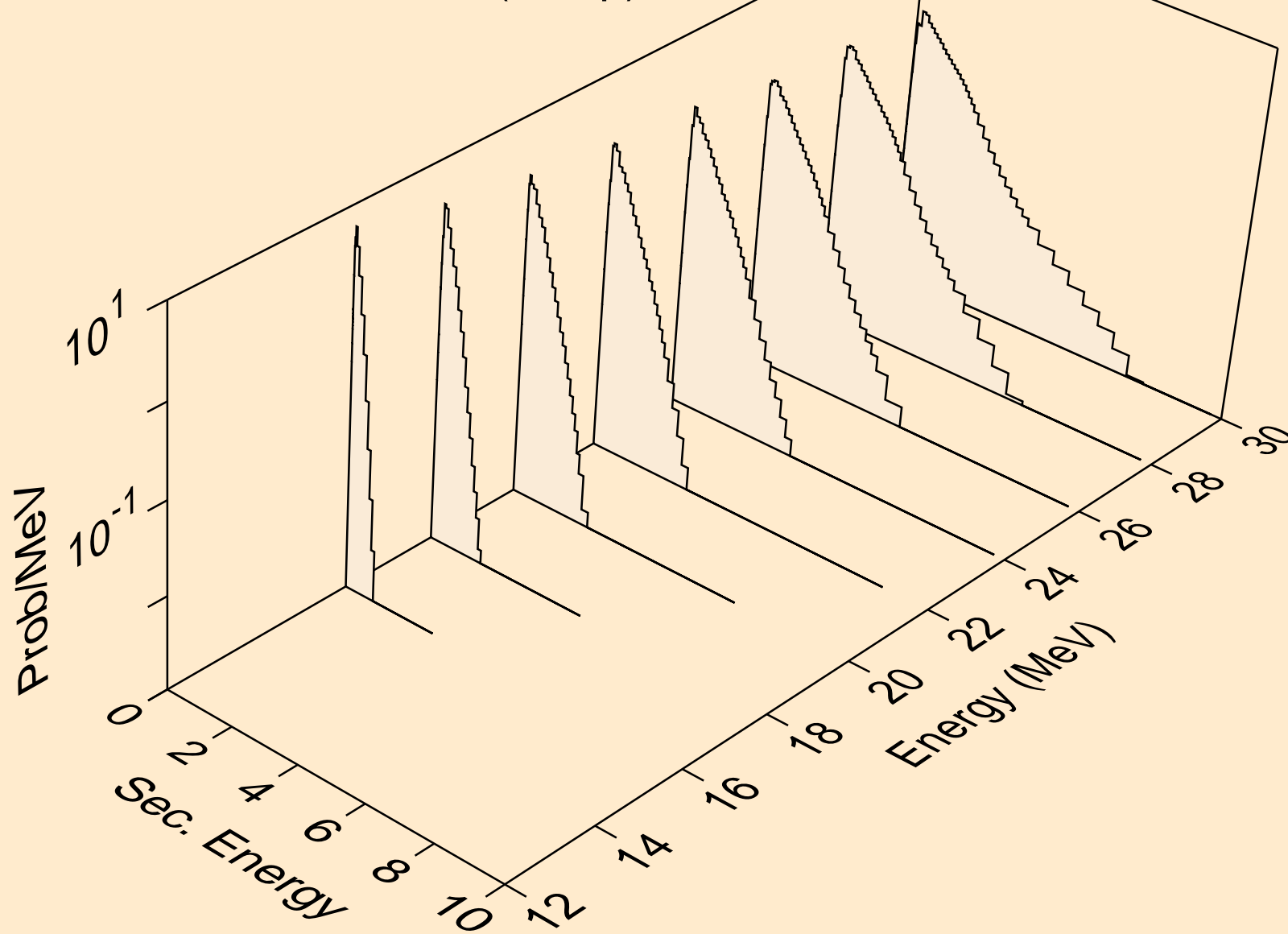
RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



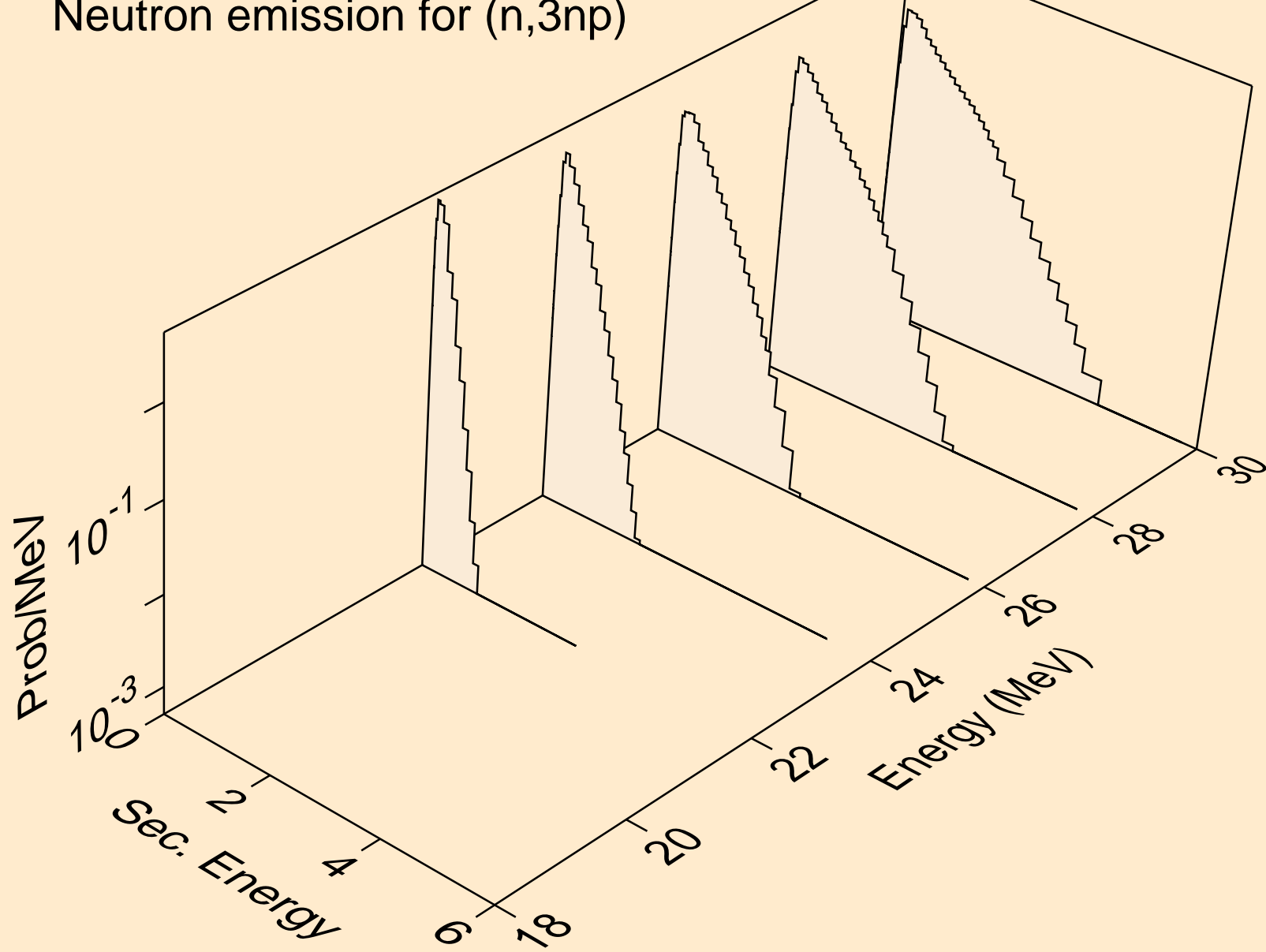
RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,4n)



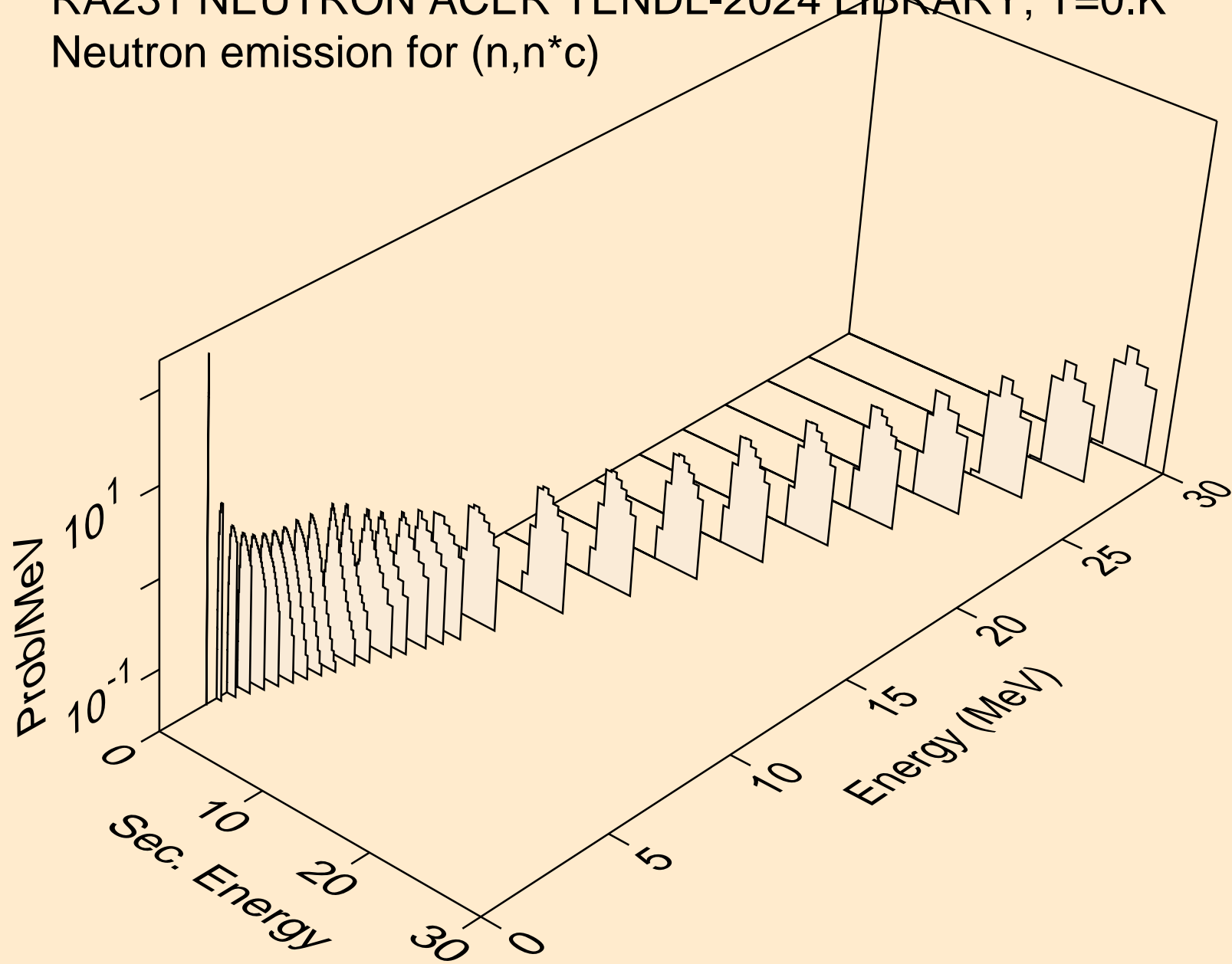
RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2np)



RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3np)

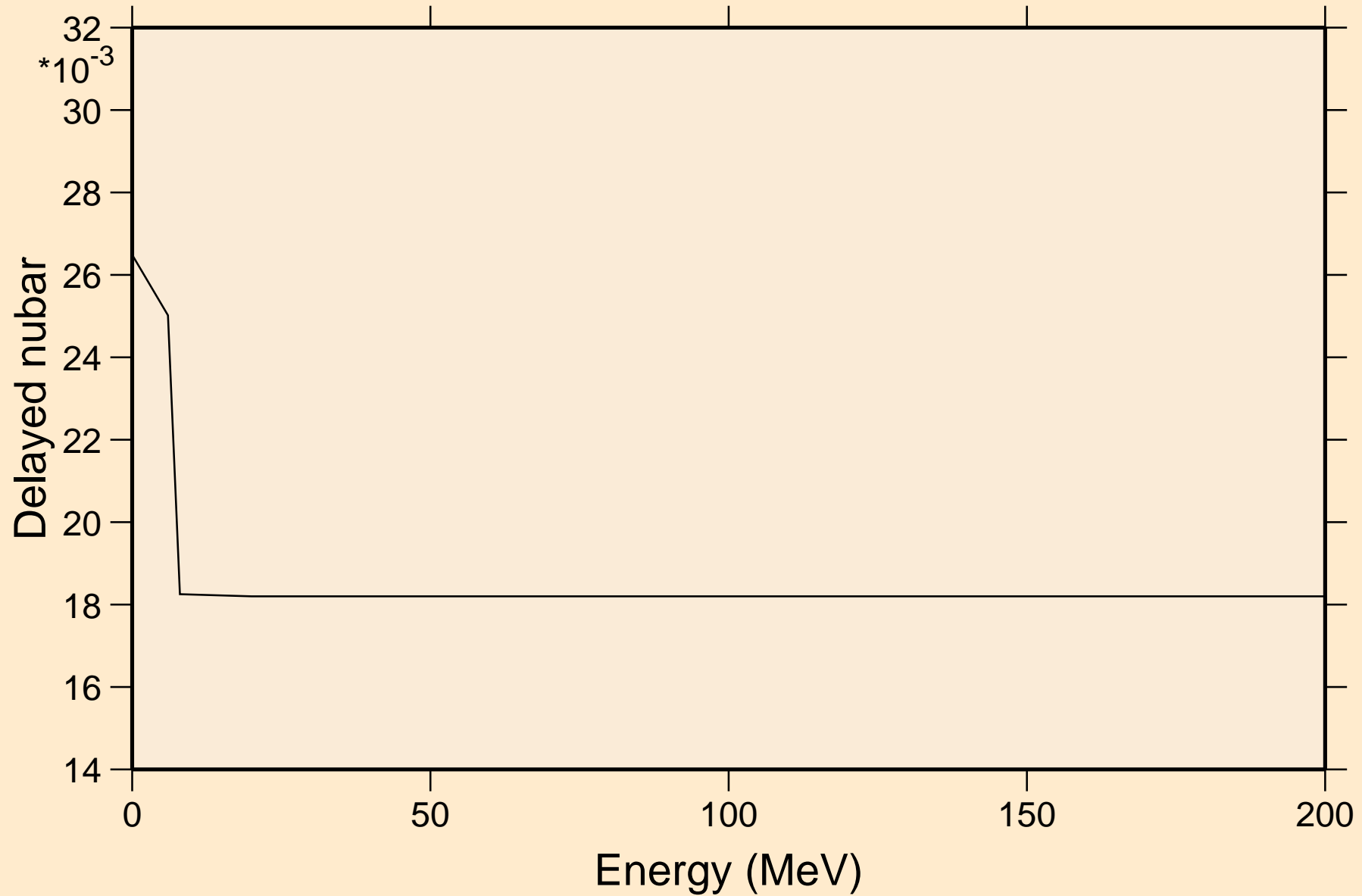


RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)



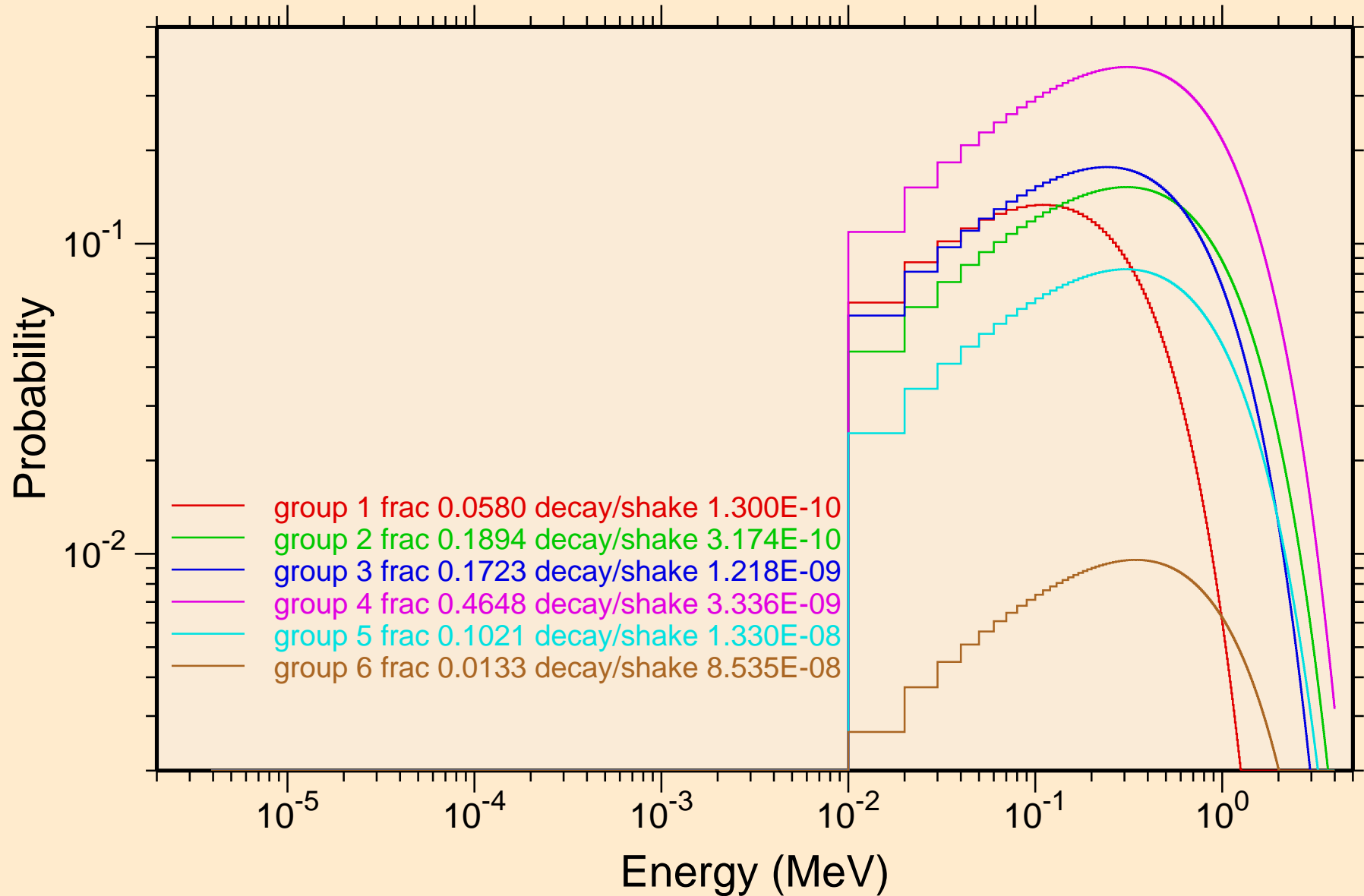
# RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Delayed nubar



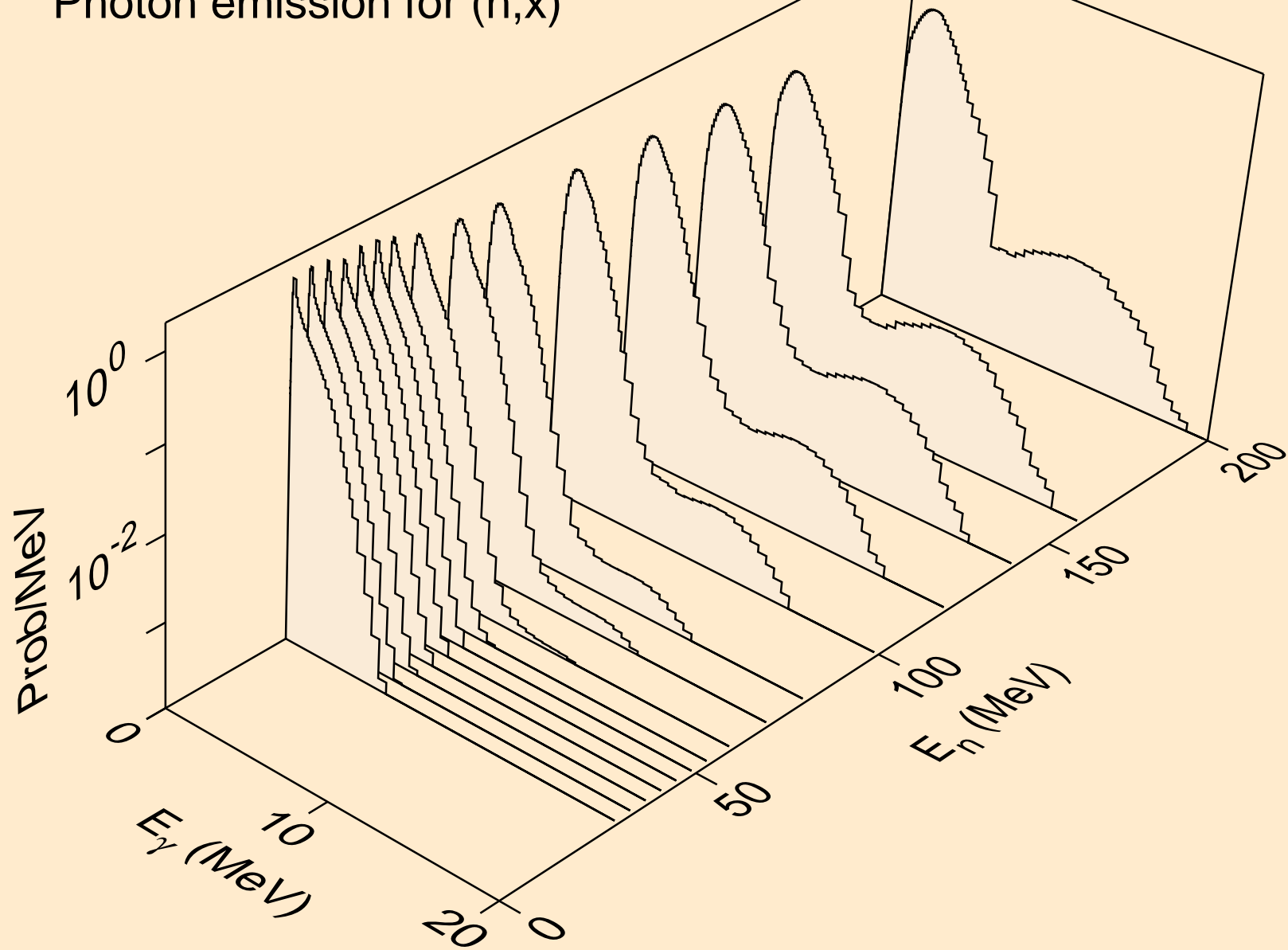
# RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Delayed neutron spectra

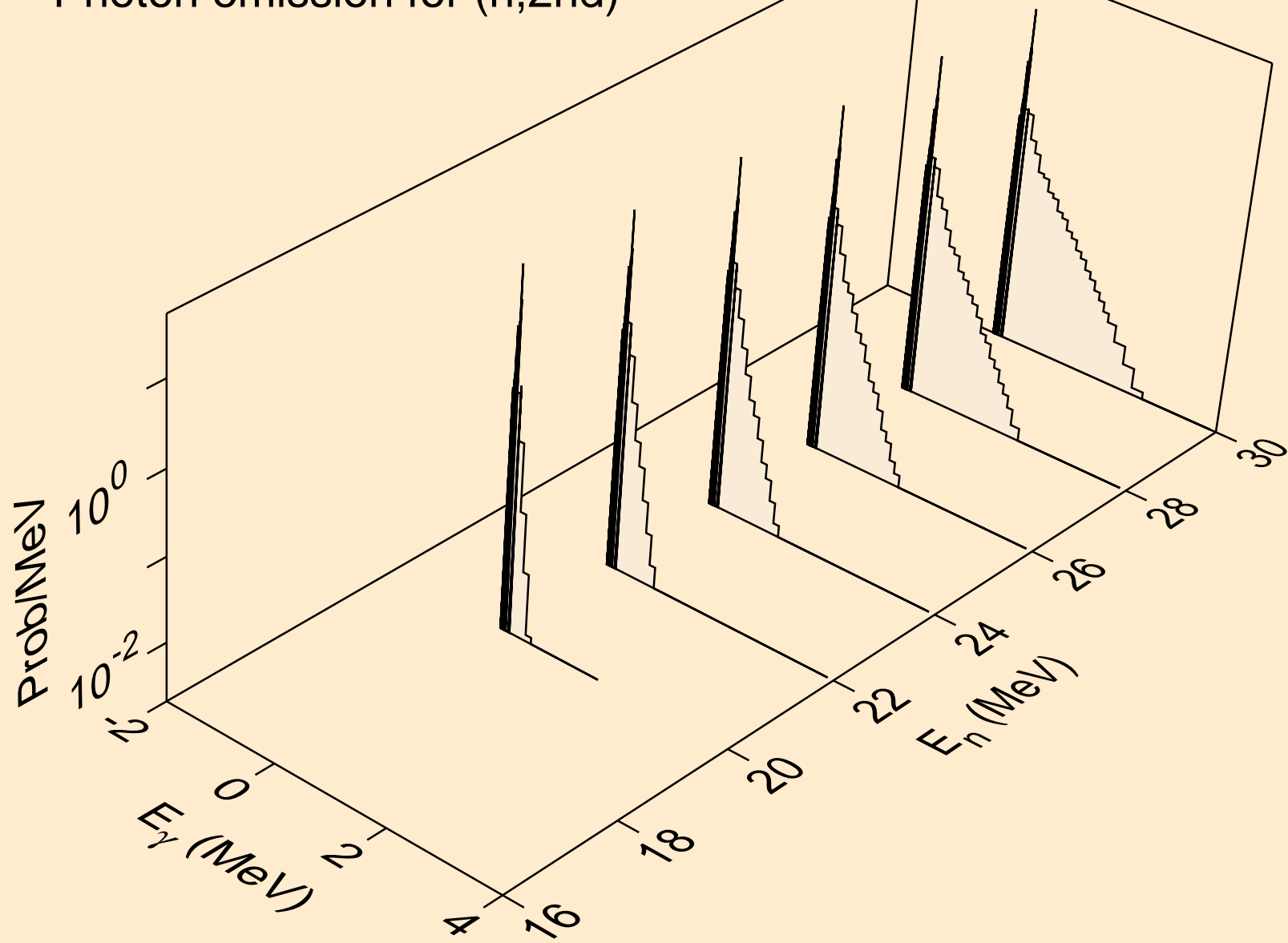




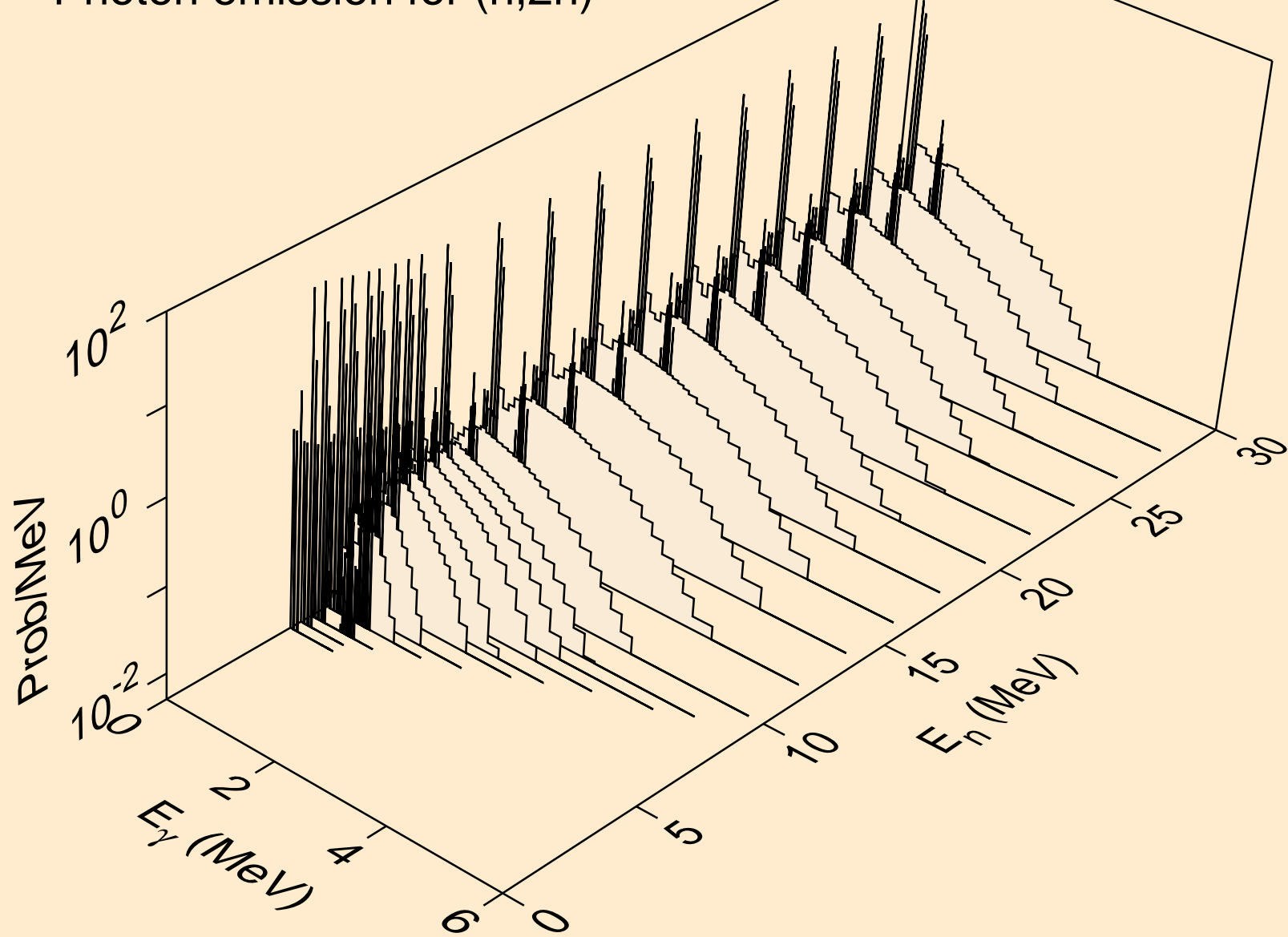
RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,x)



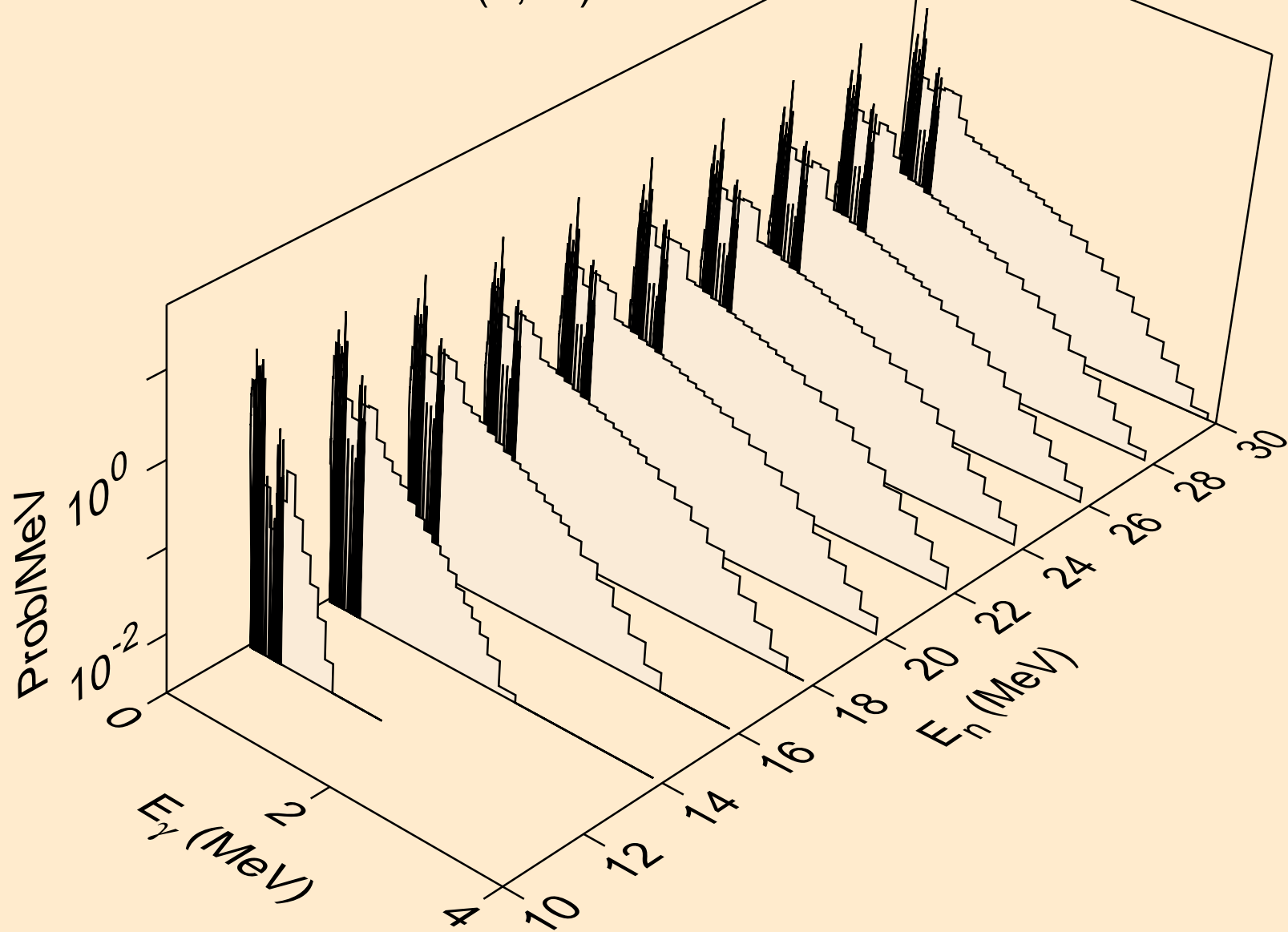
RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2nd)



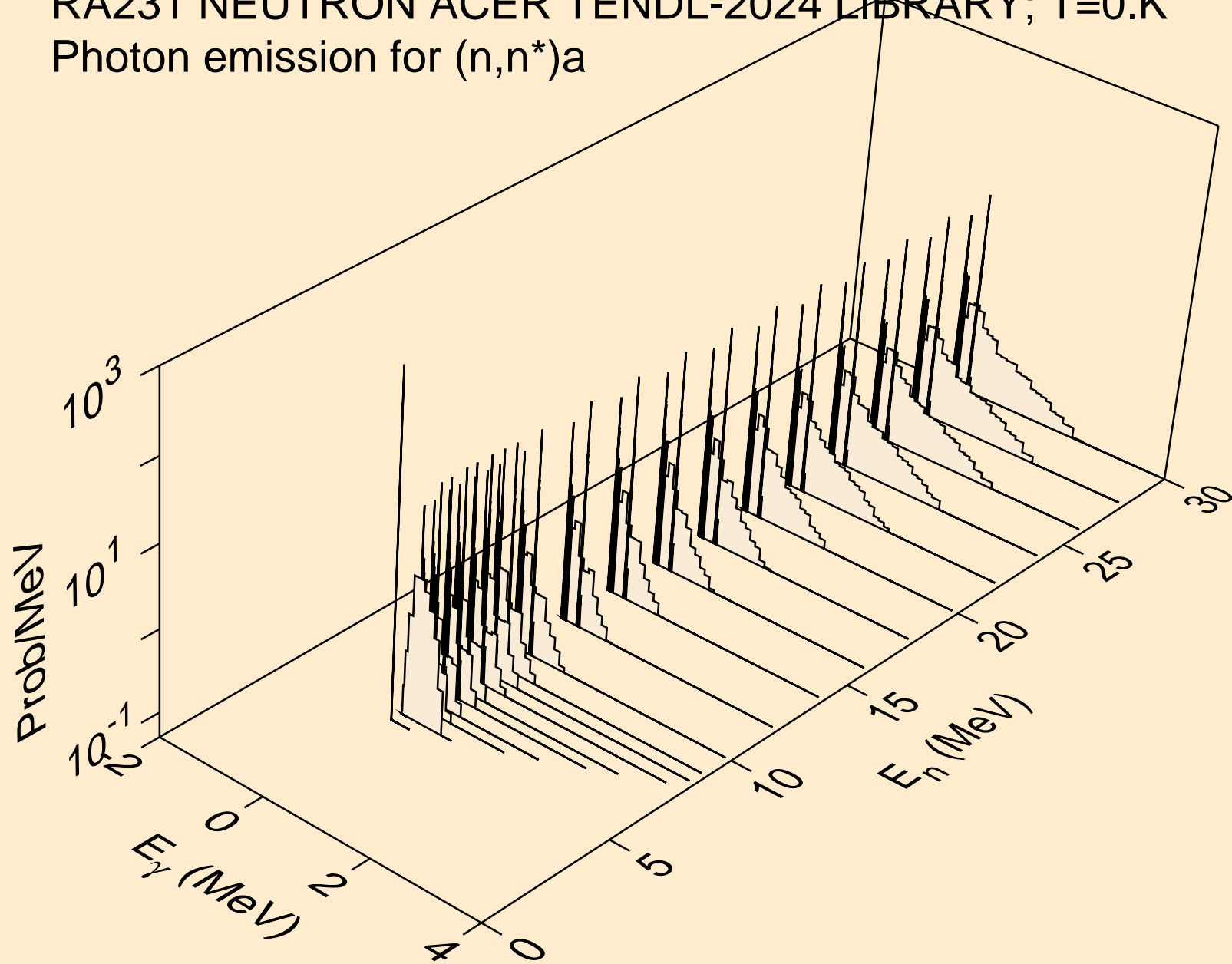
RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)



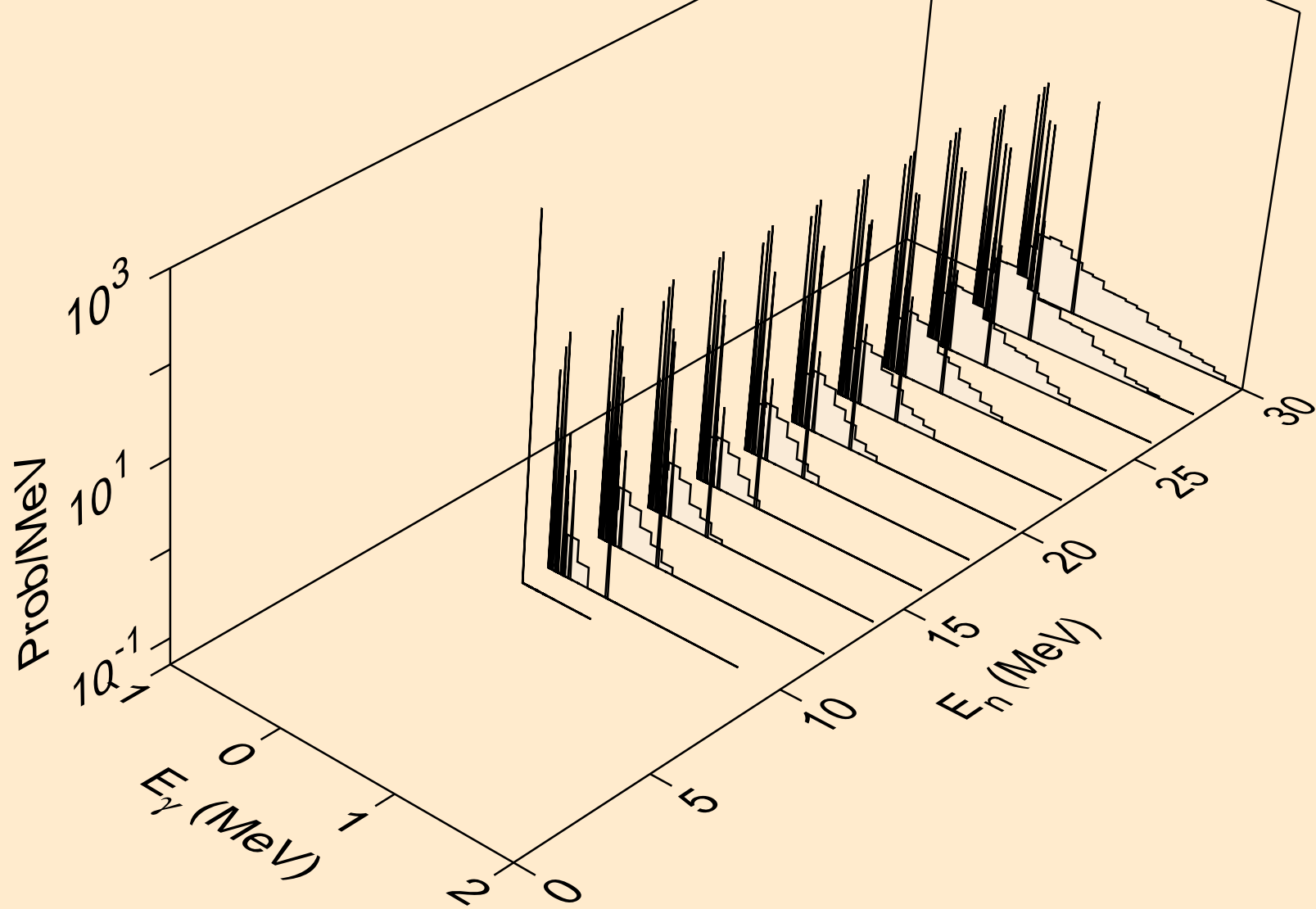
RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)



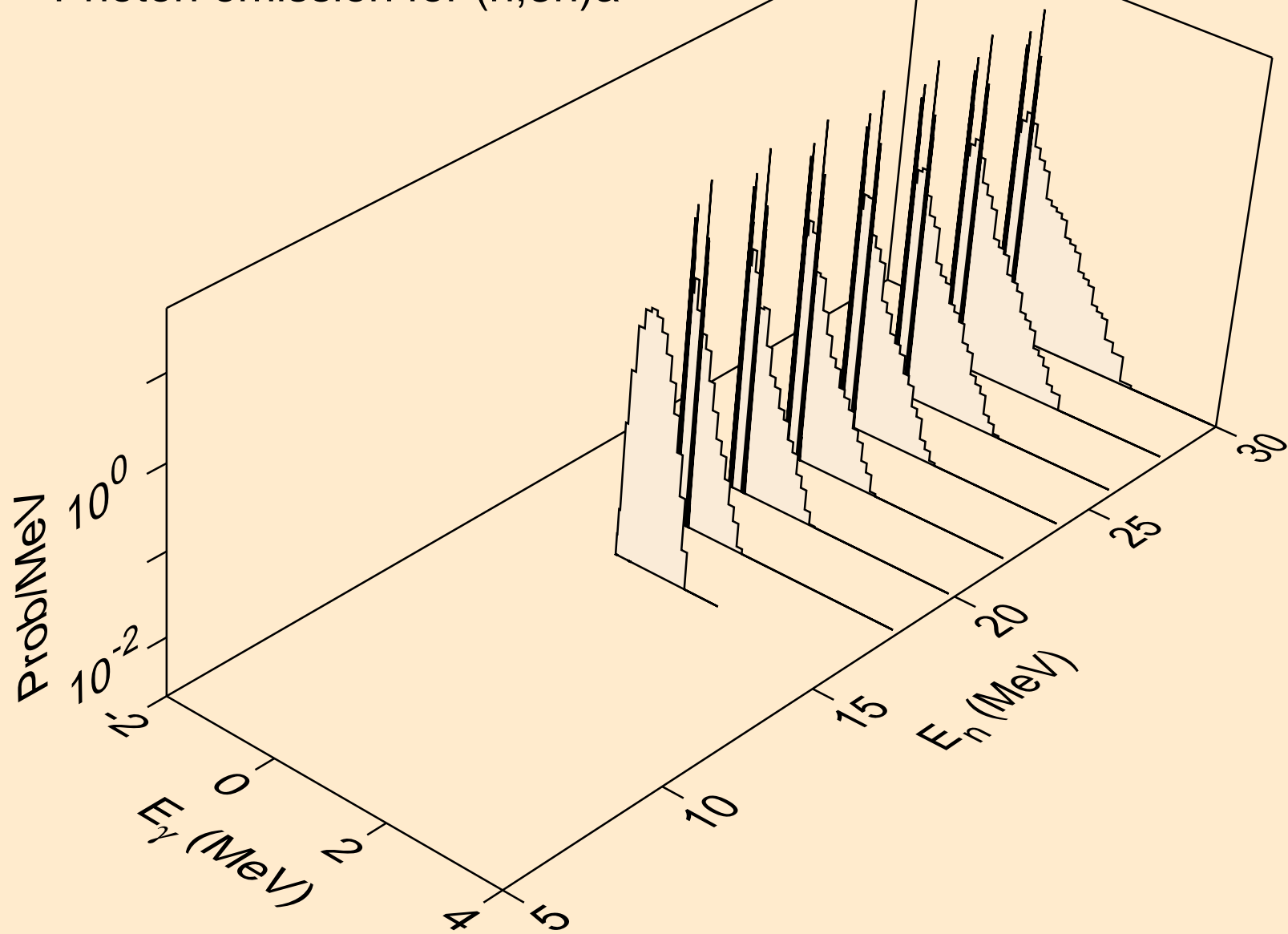
RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



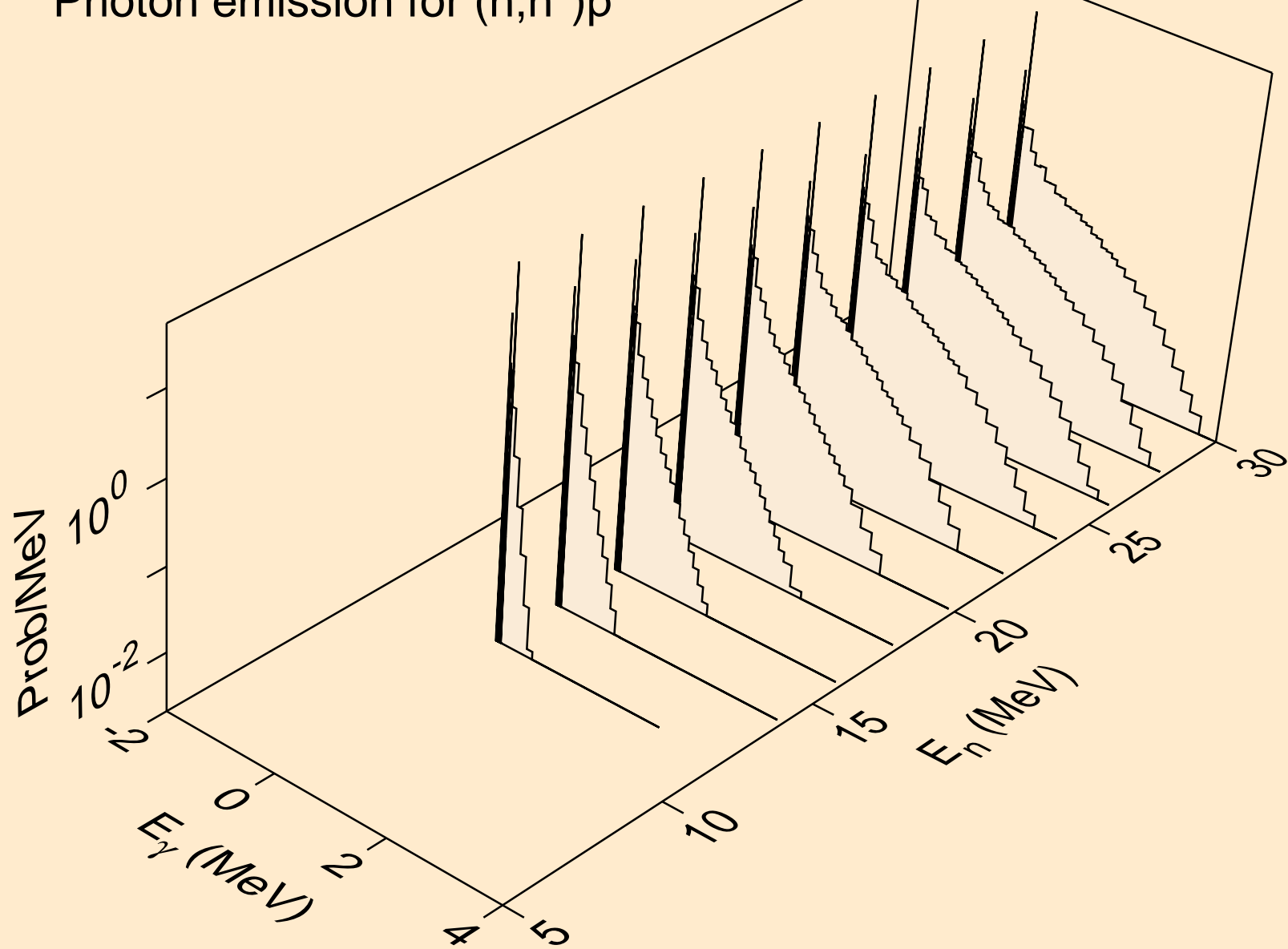
RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)a



RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)a

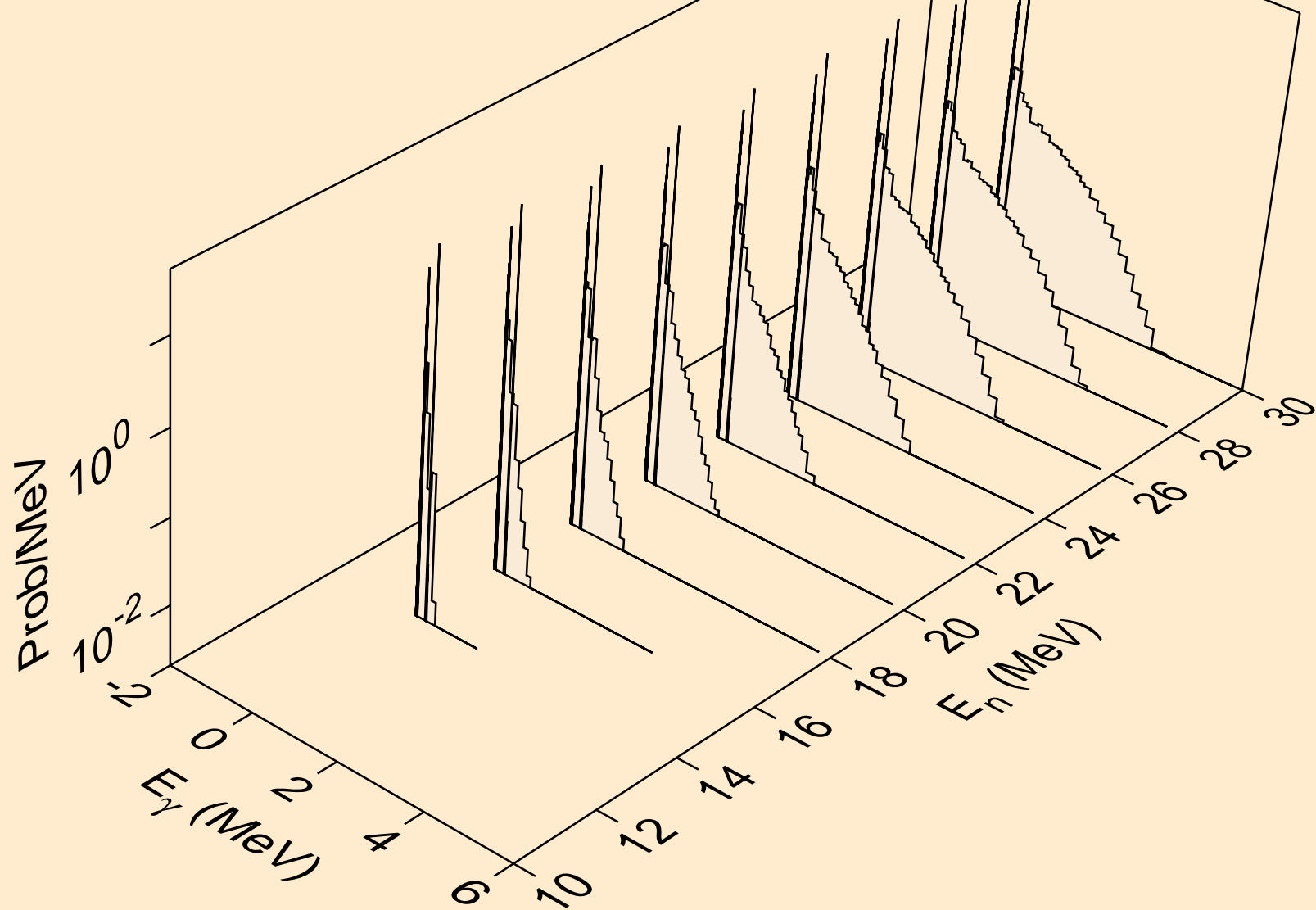


RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)p

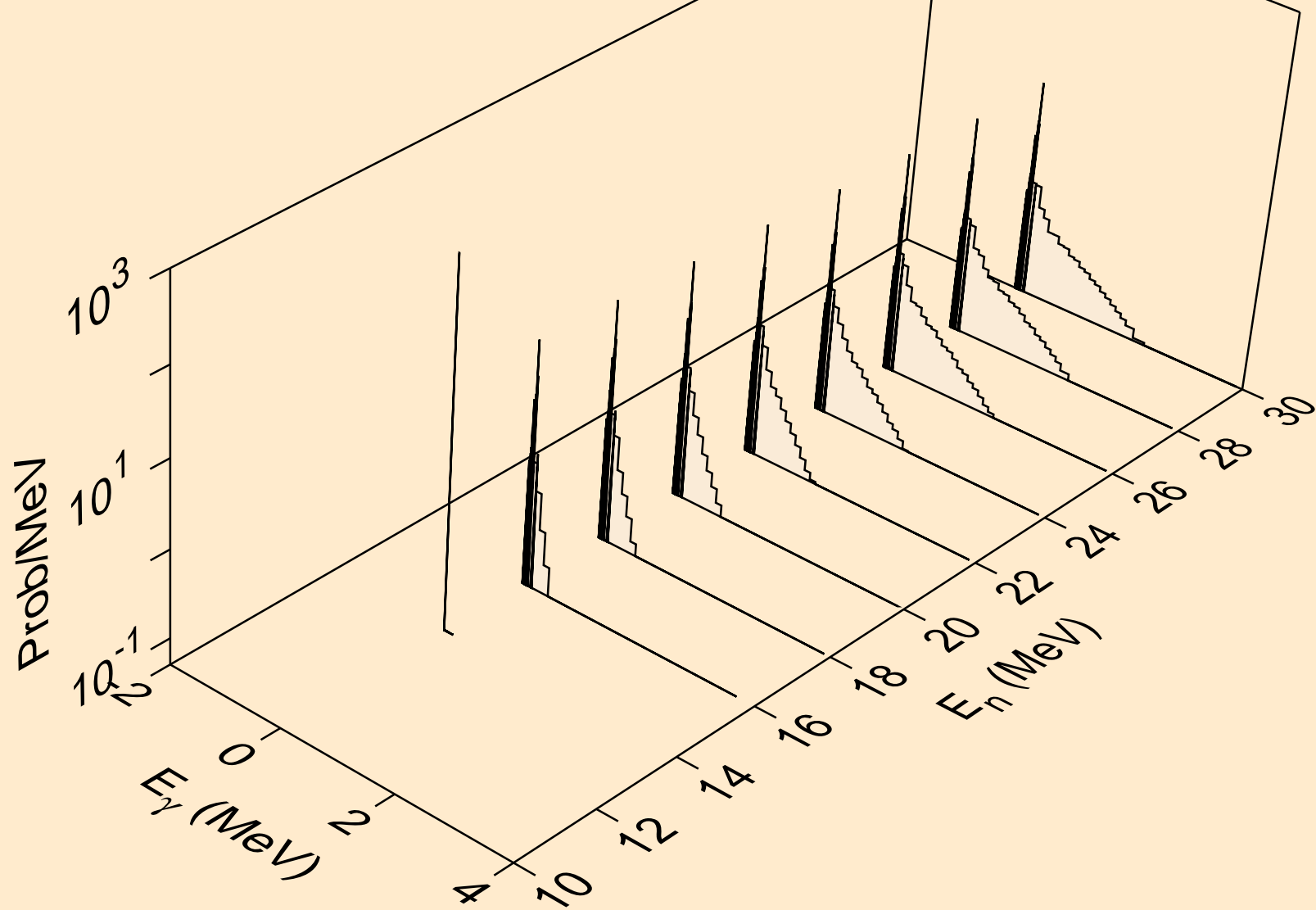




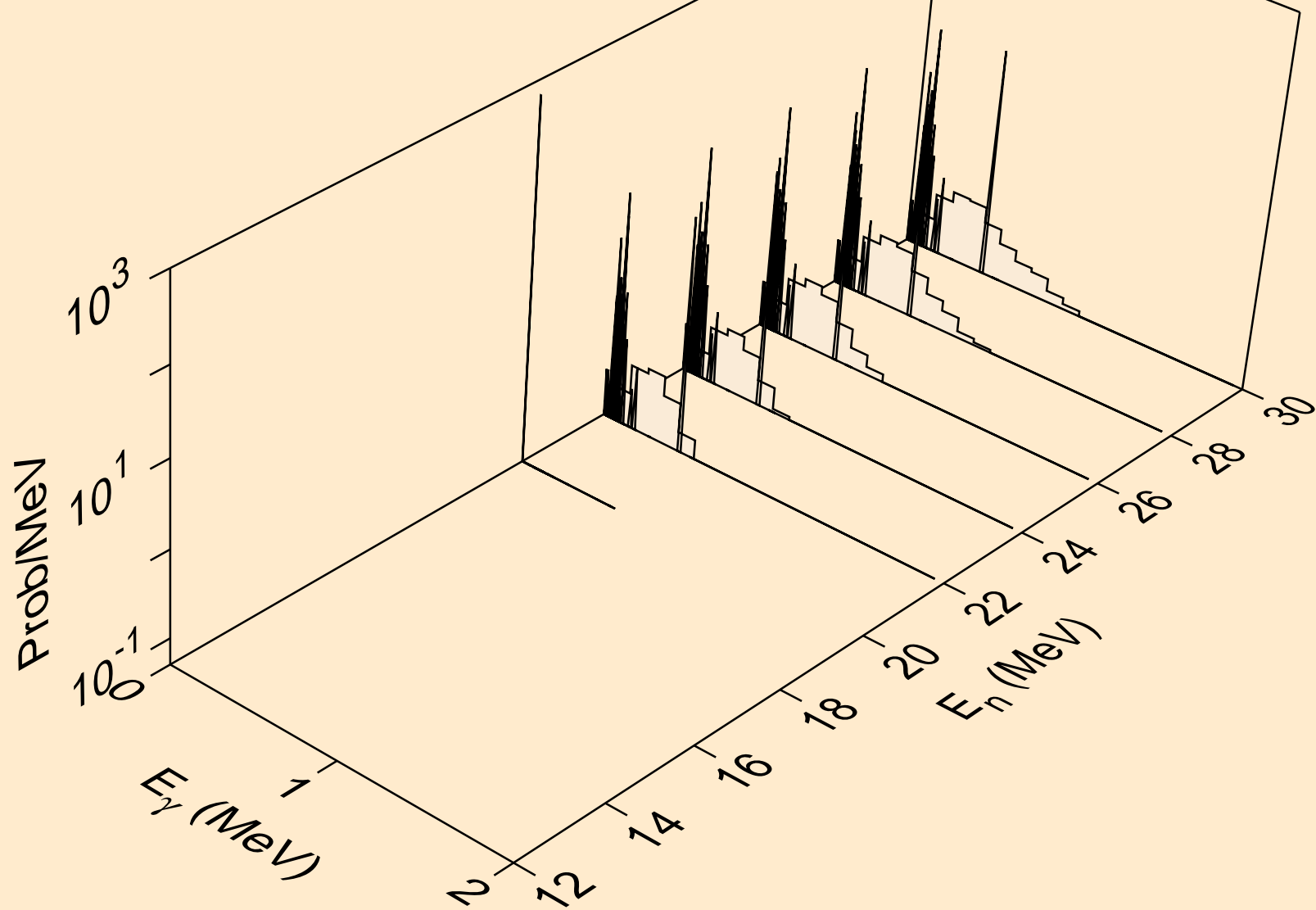
RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



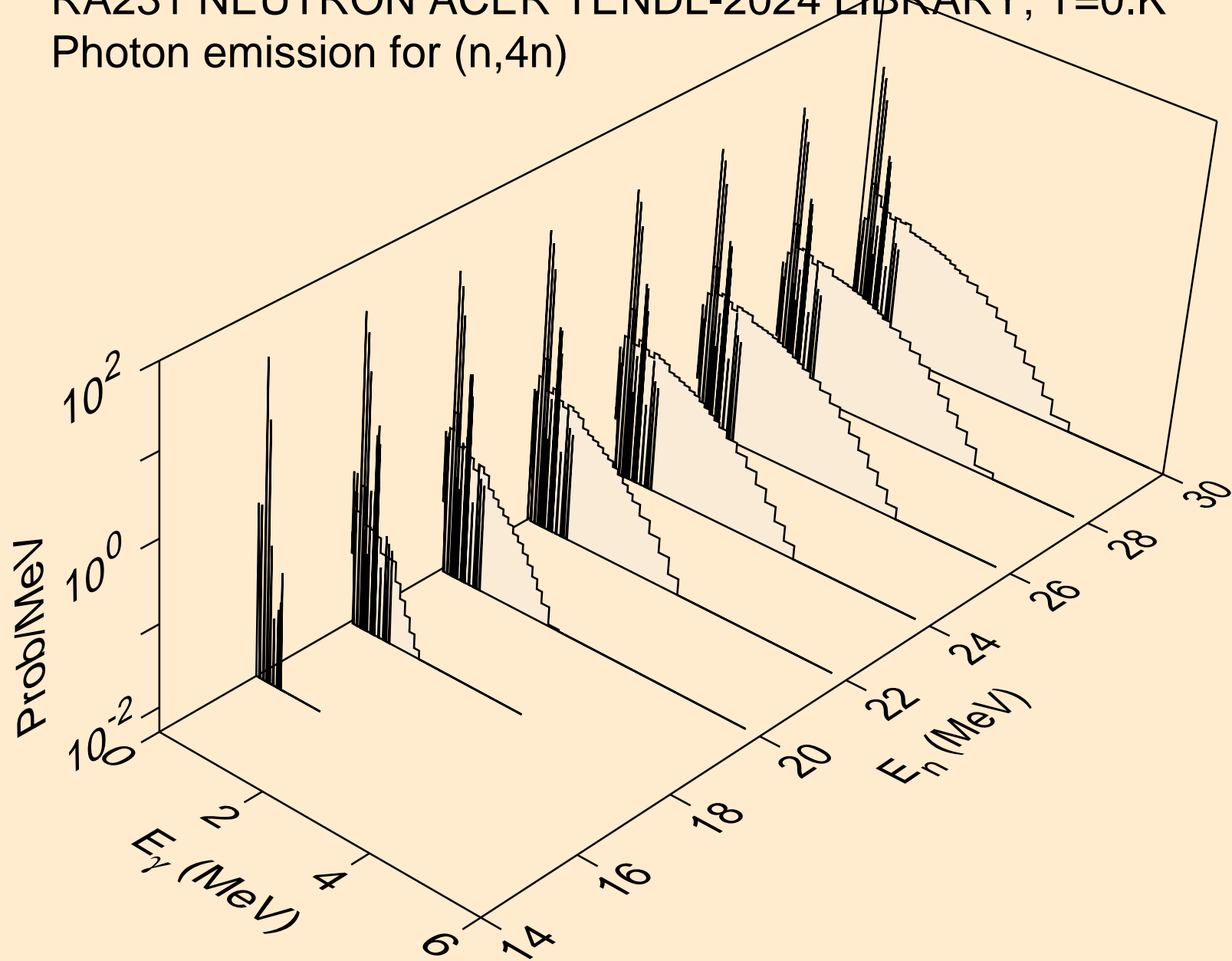
RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



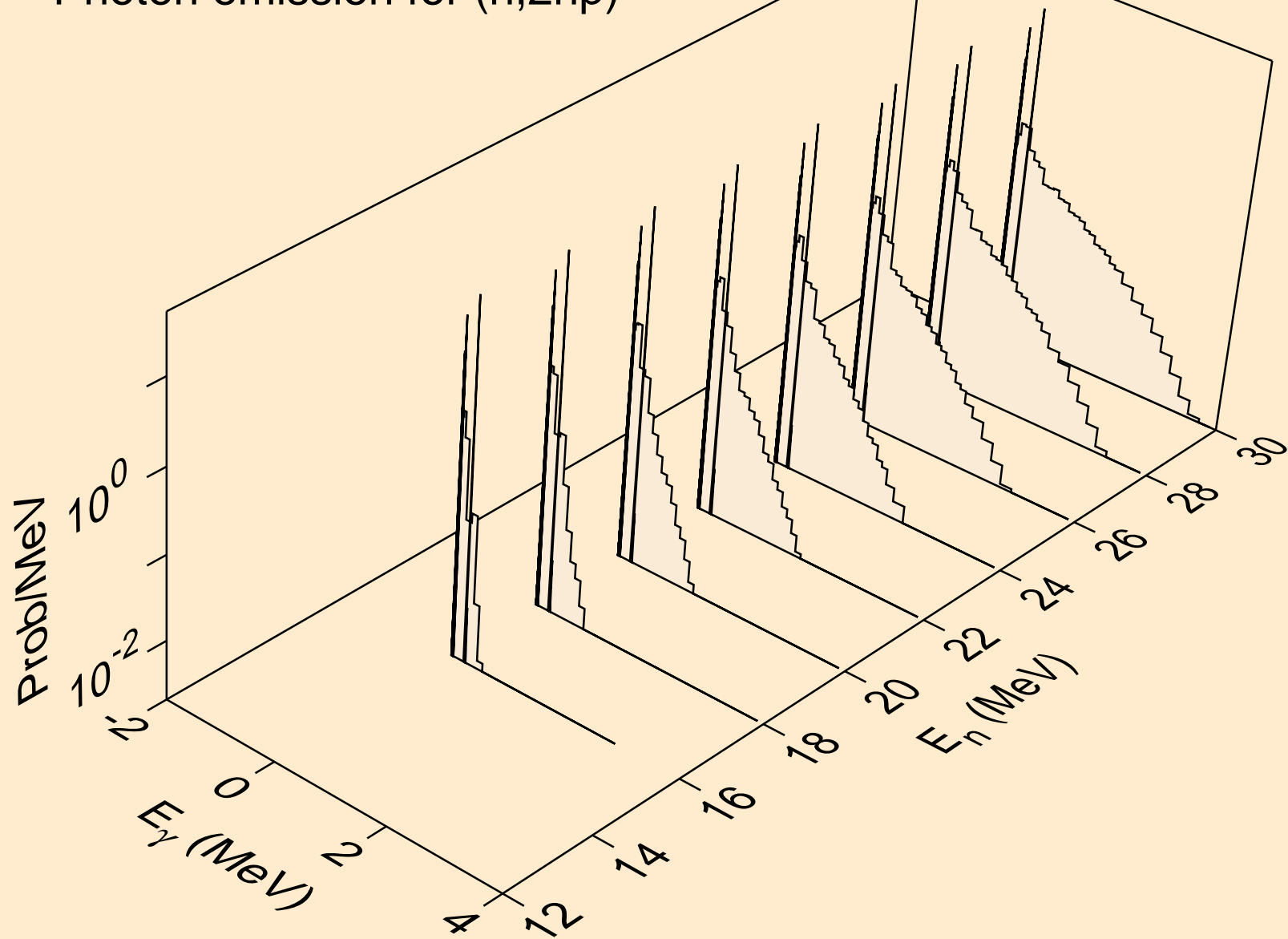
RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



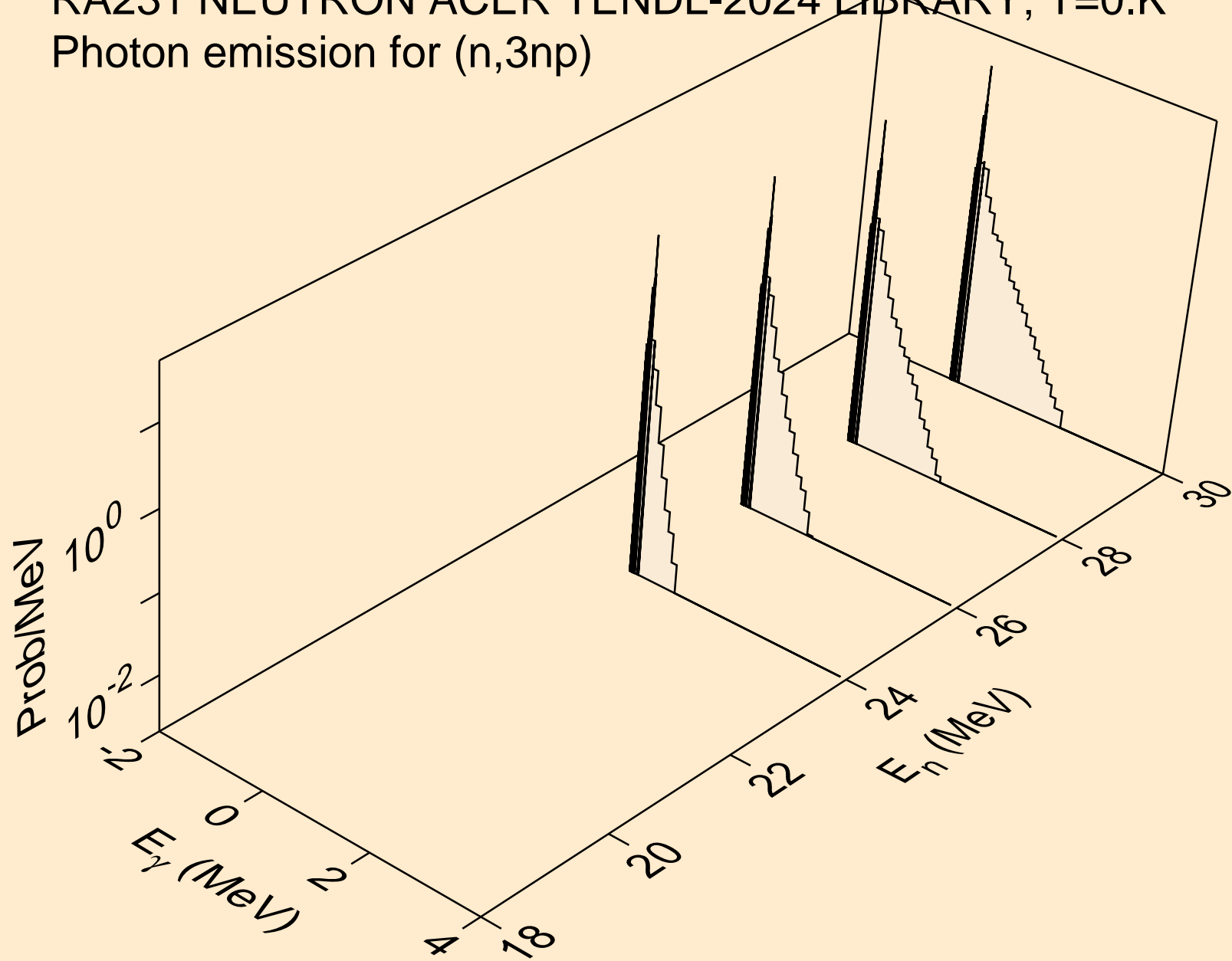
RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,4n)



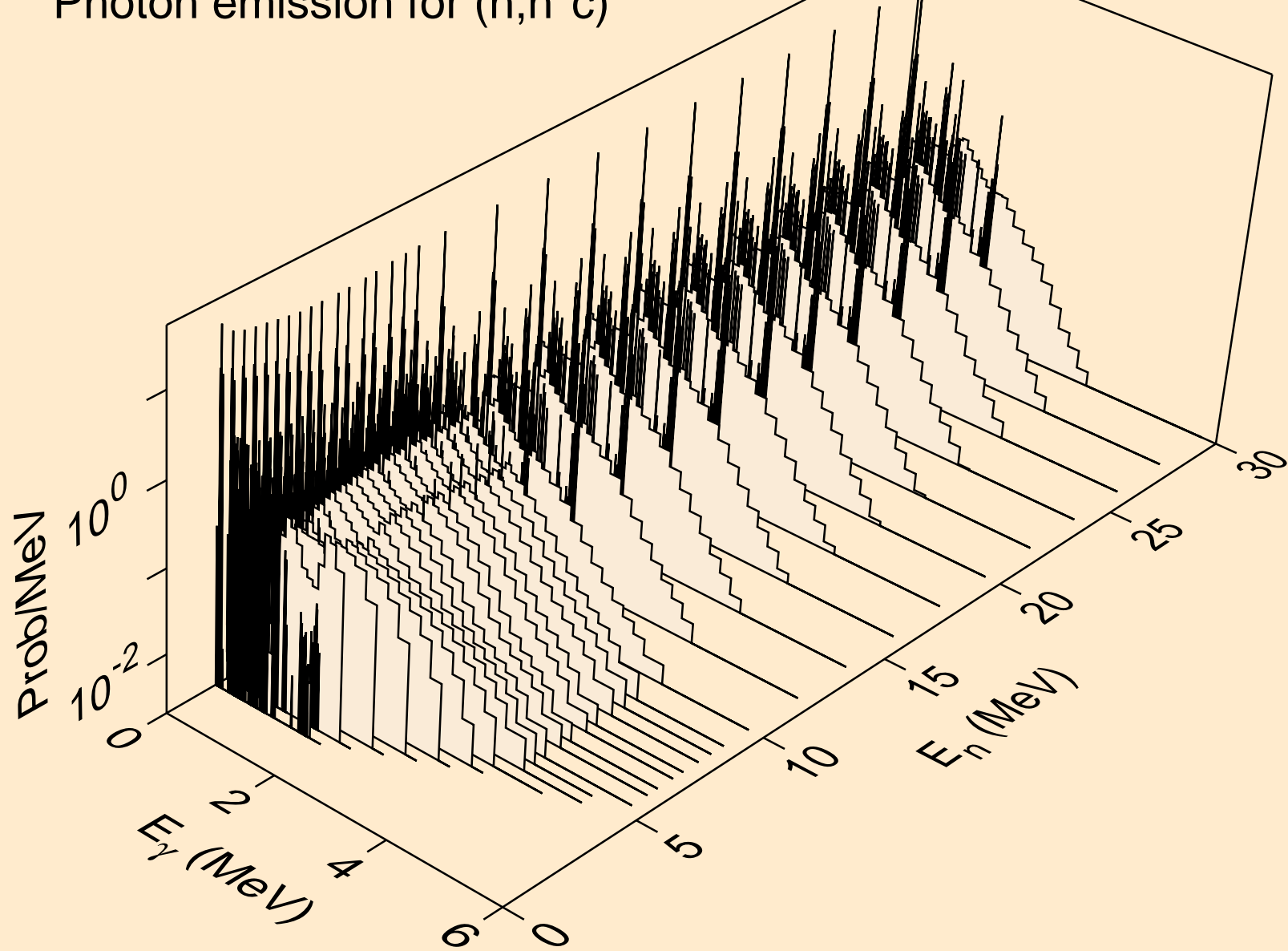
RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2np)



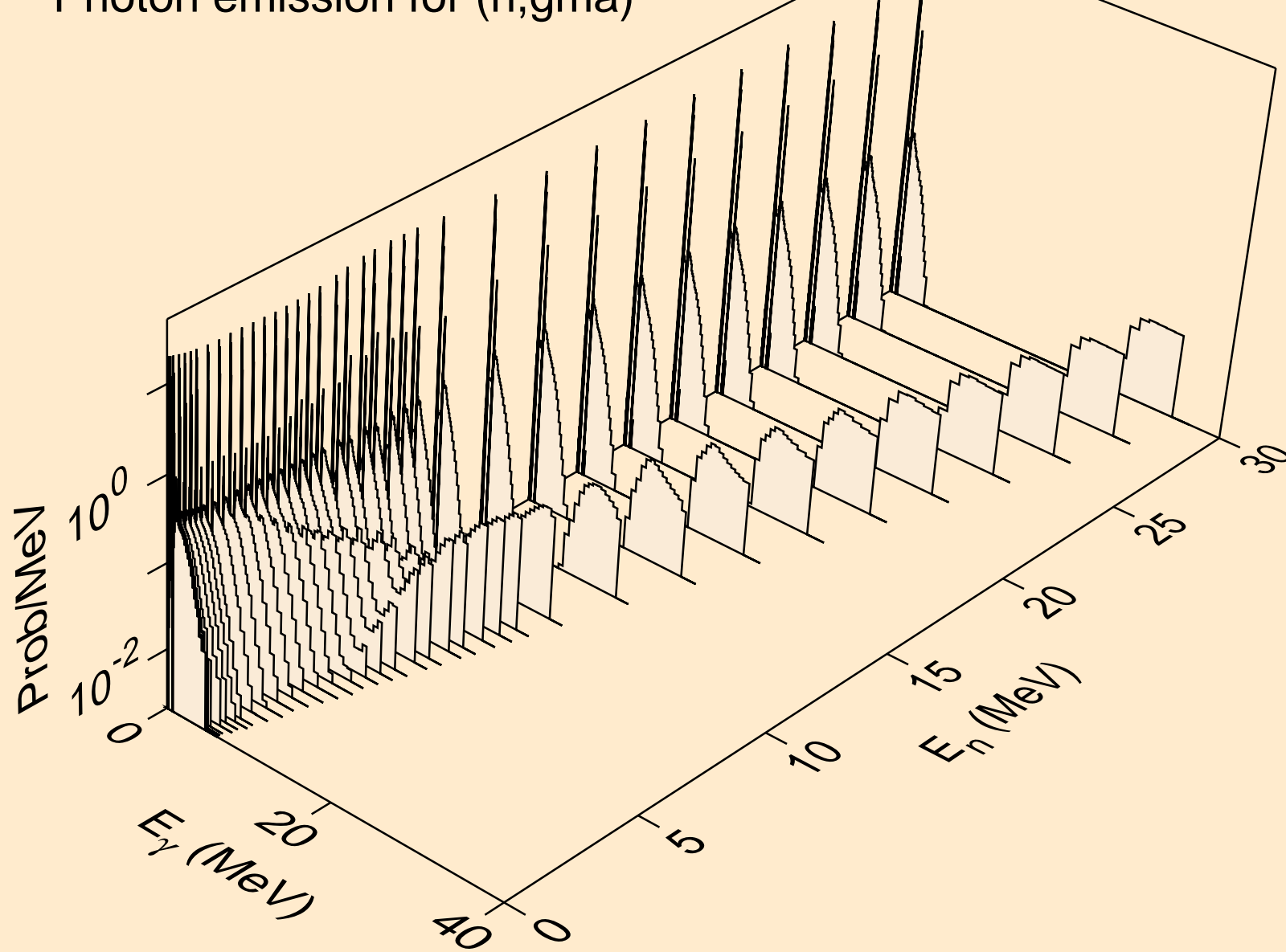
RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3np)



RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*c)

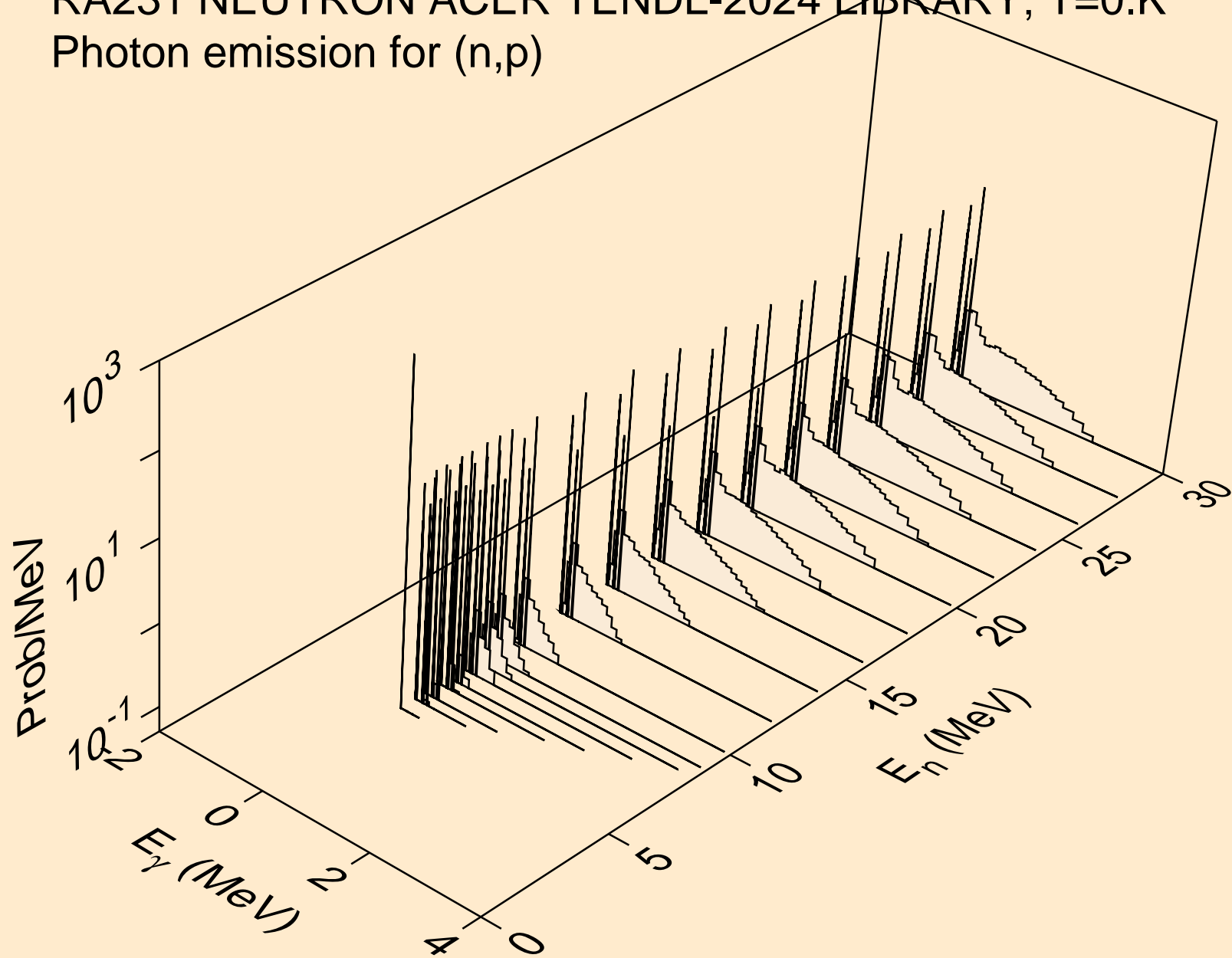


RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,gma)

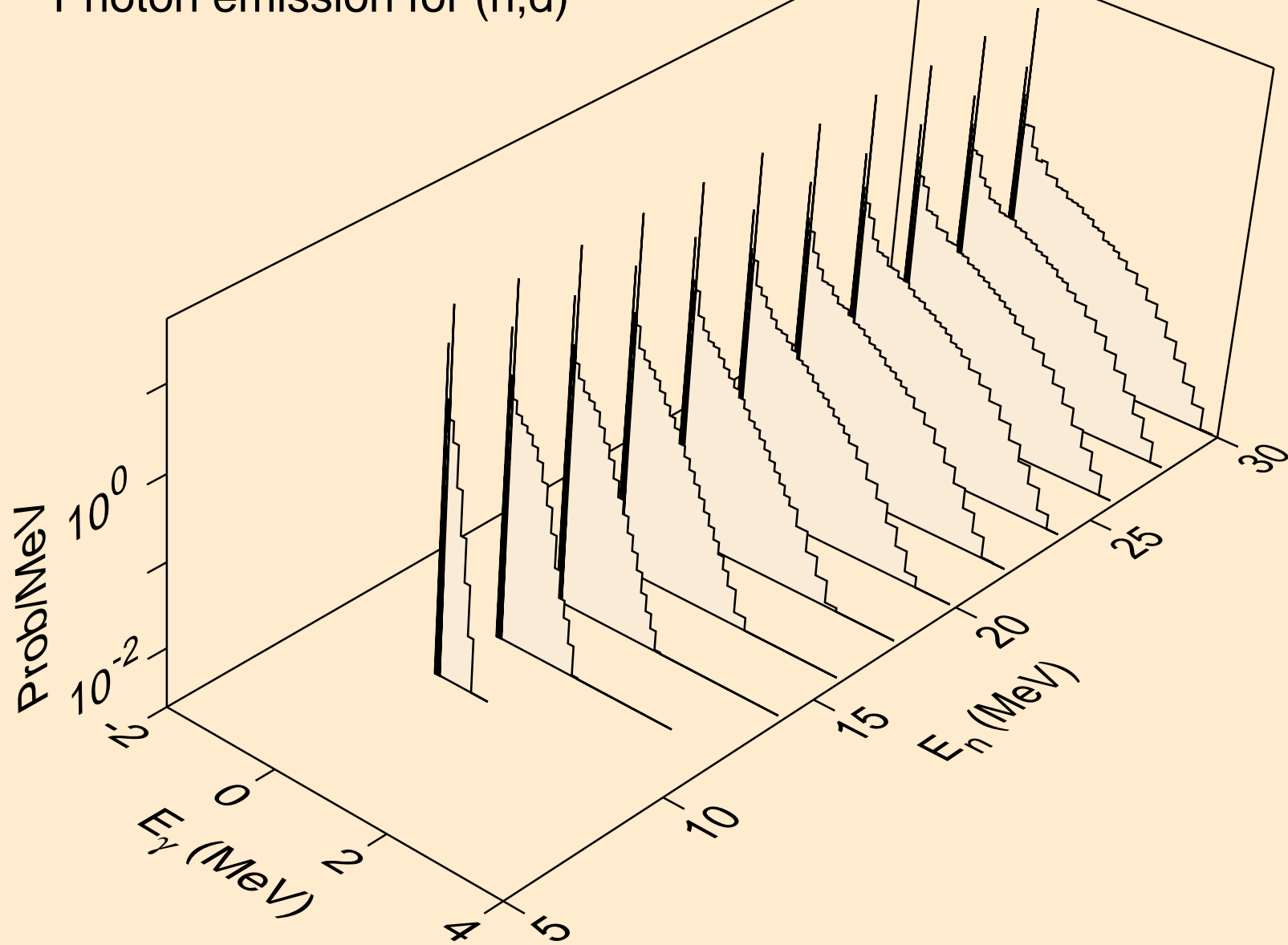




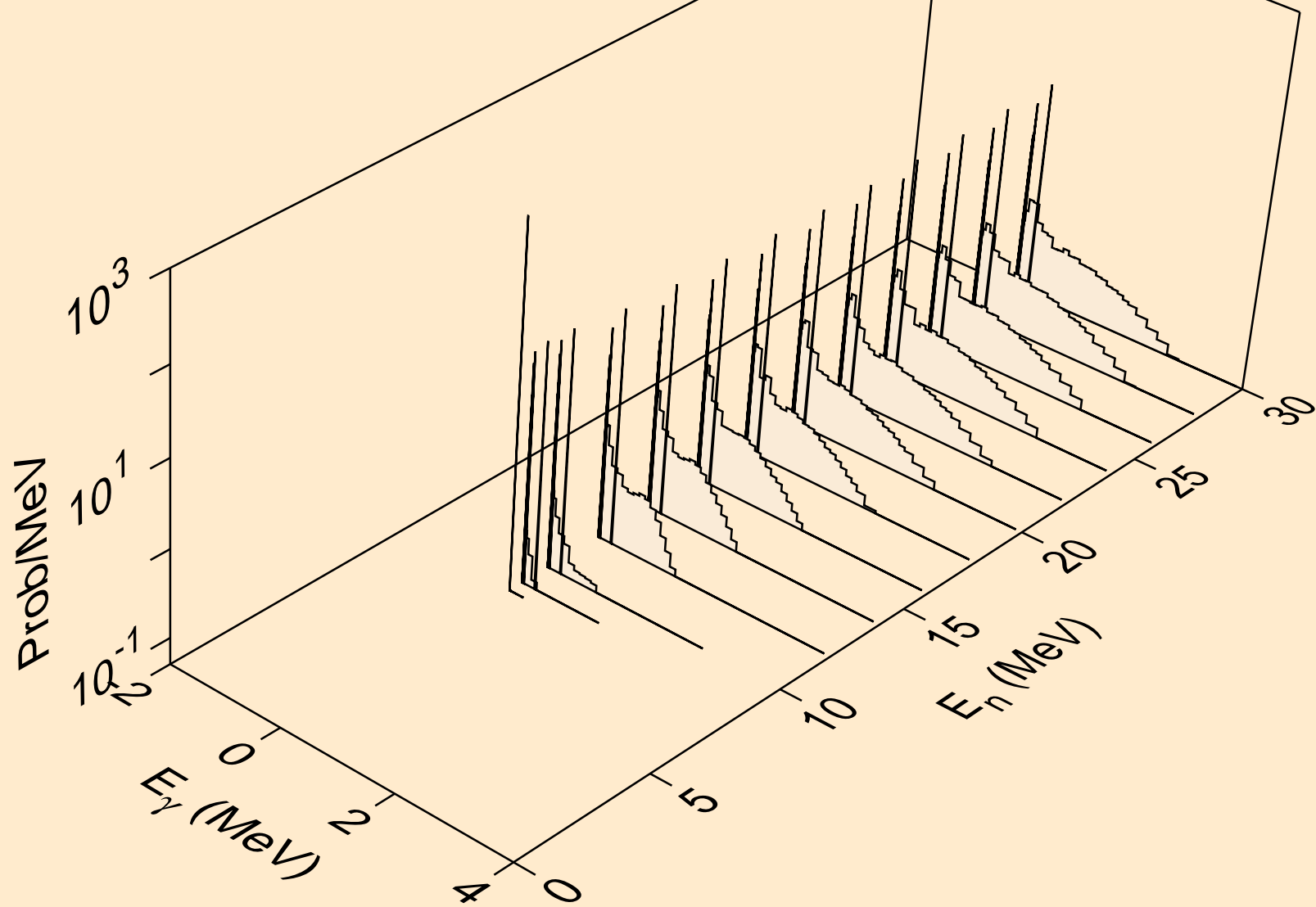
RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p)



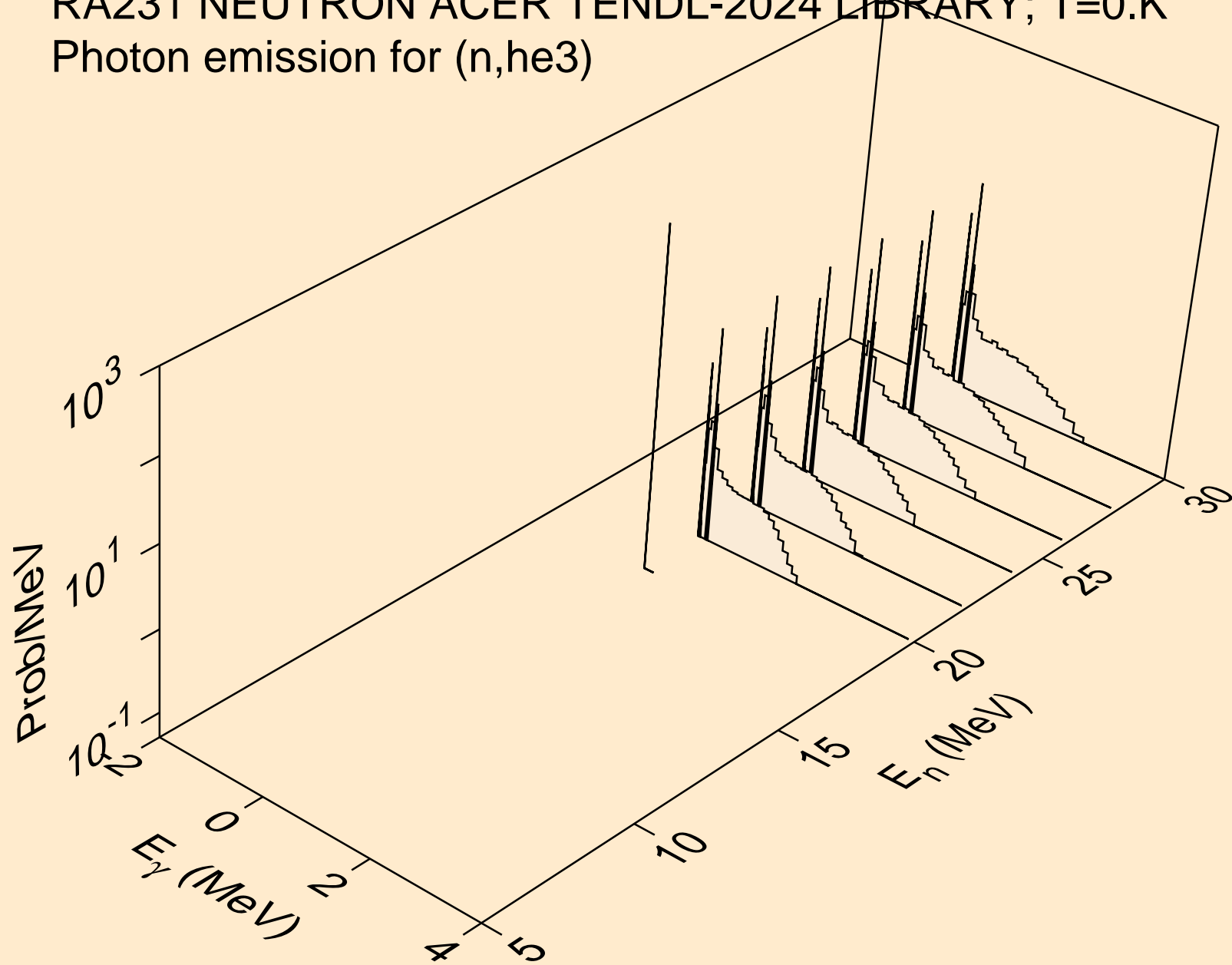
RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,d)



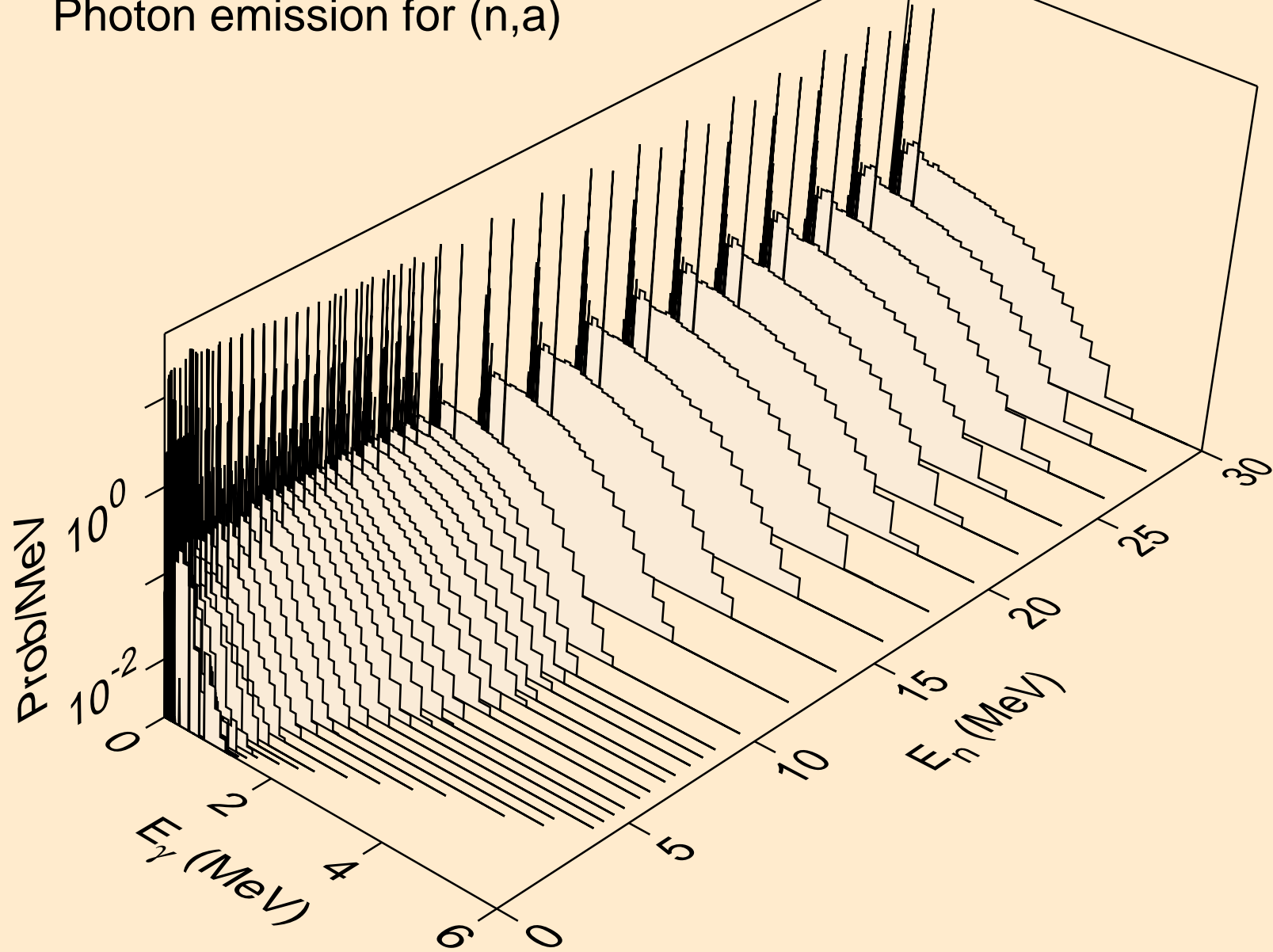
RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,t)



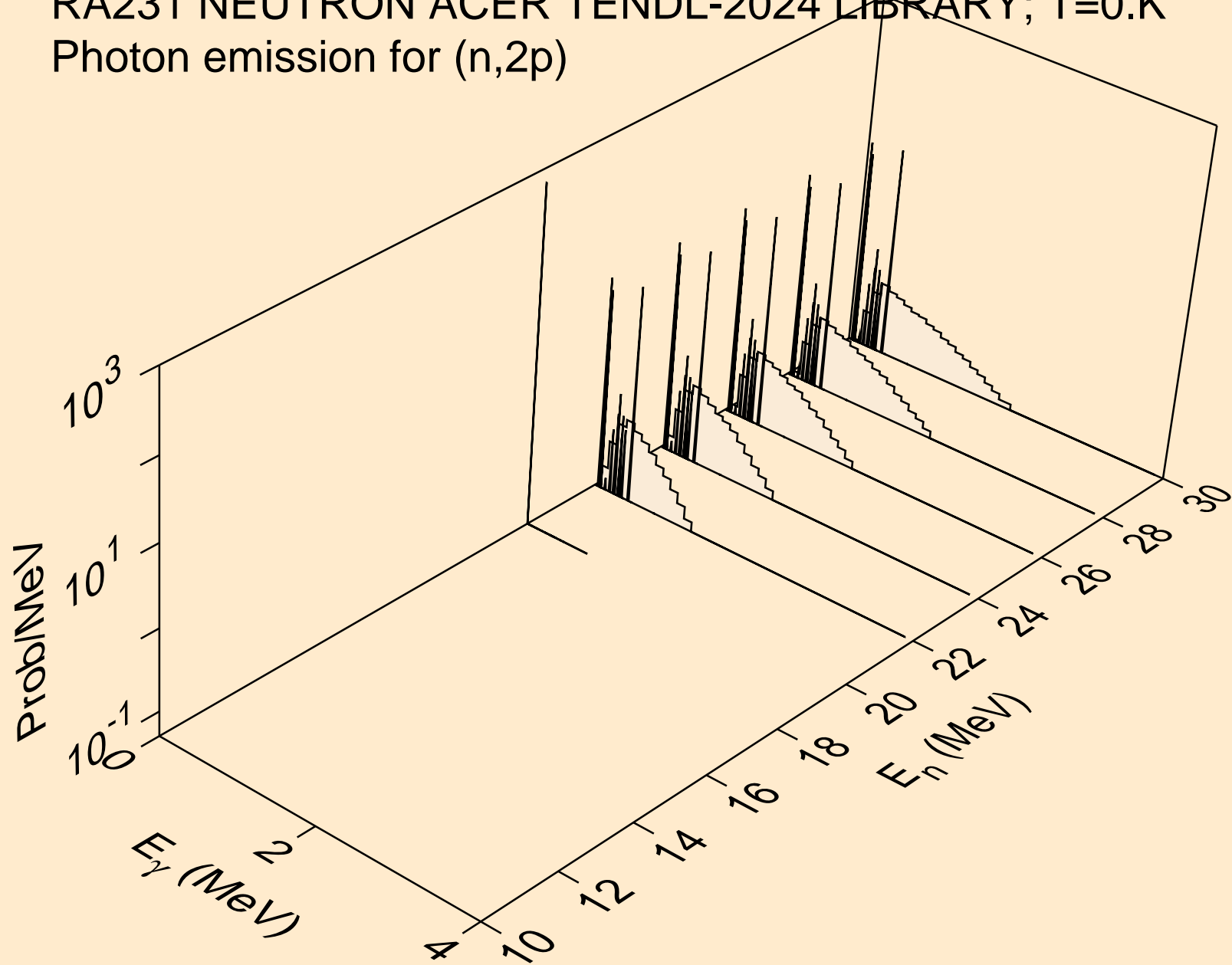
RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,he3)



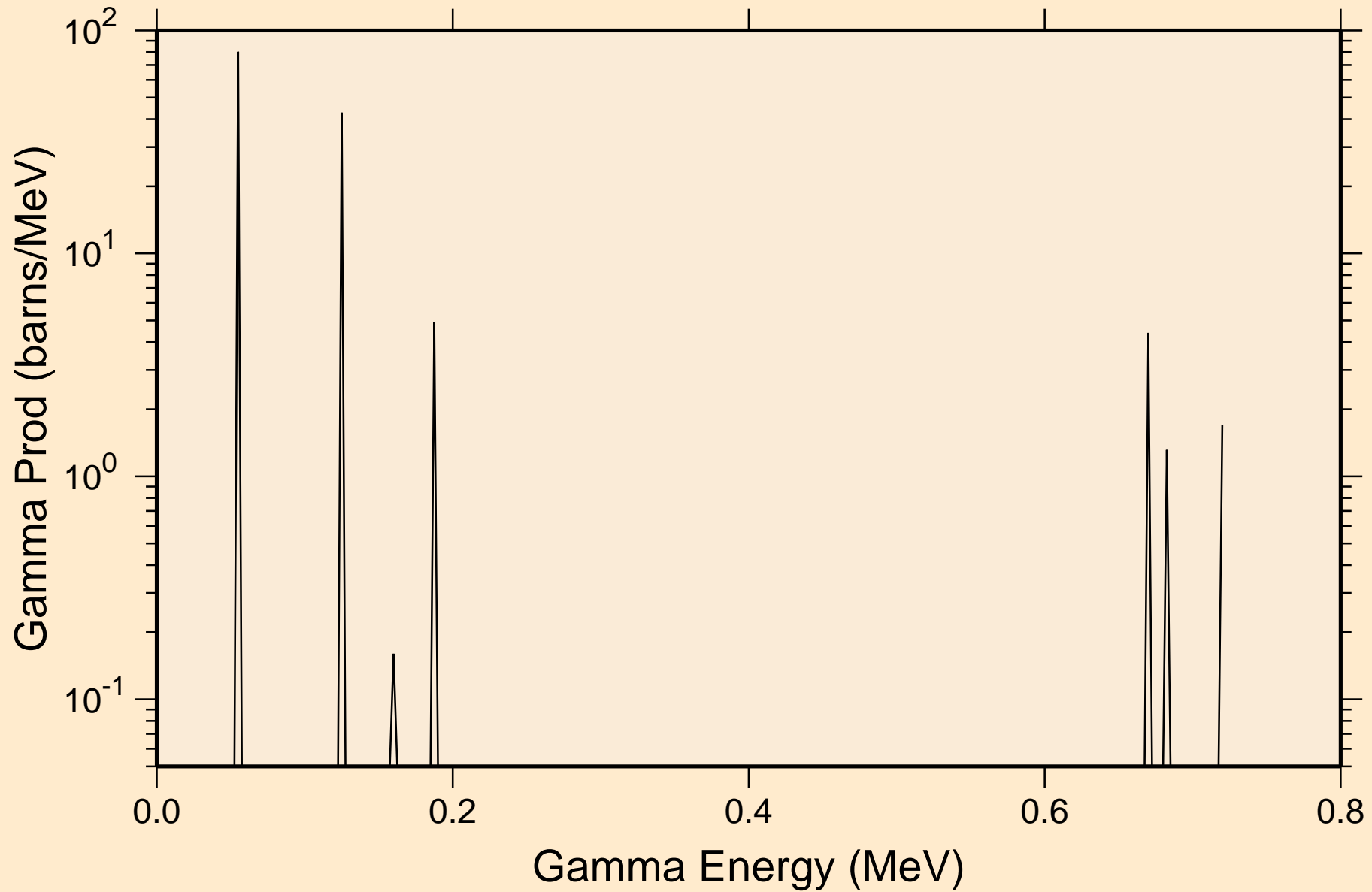
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Photon emission for (n,a)



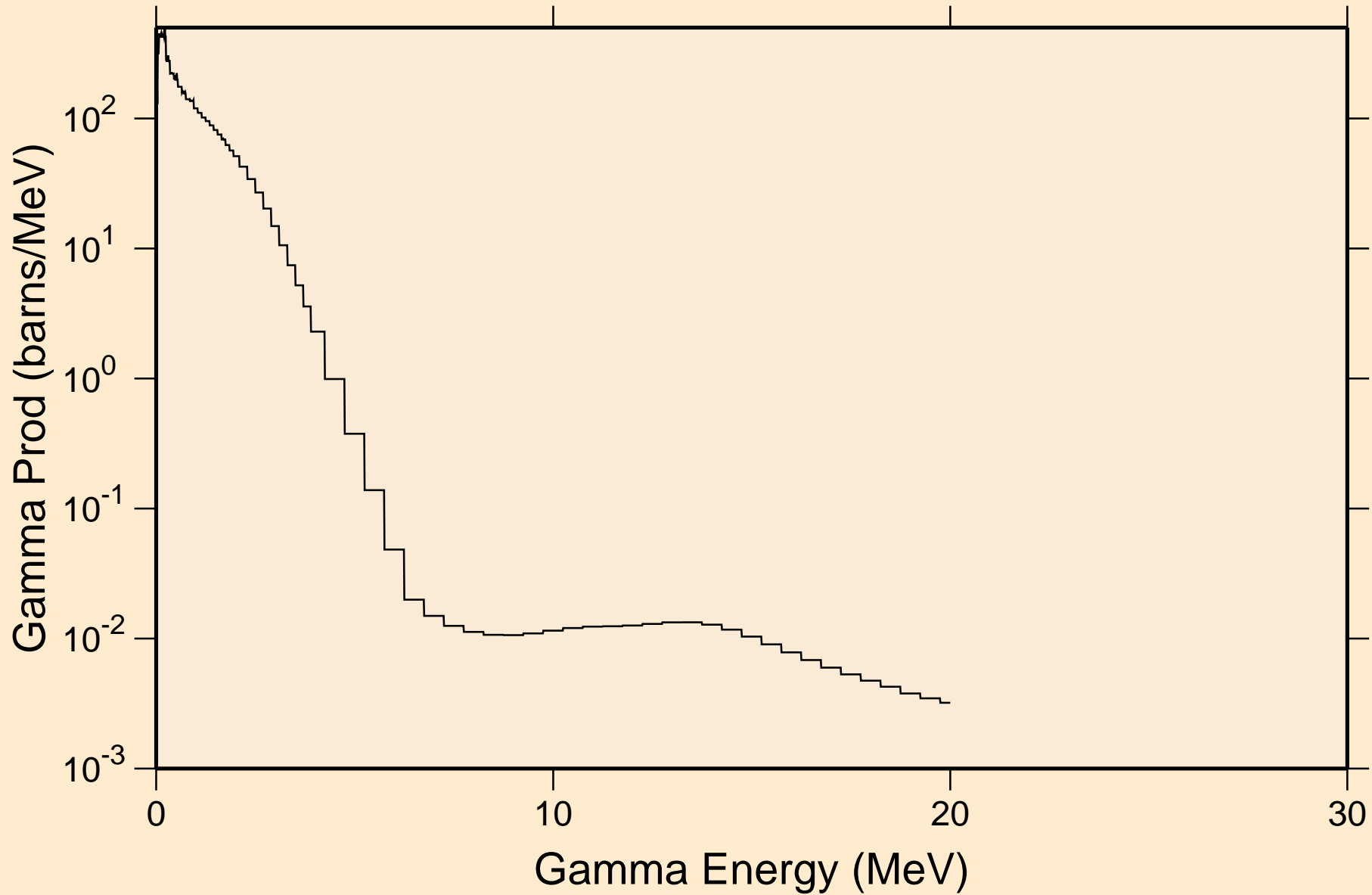
RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2p)



RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
thermal capture photon spectrum

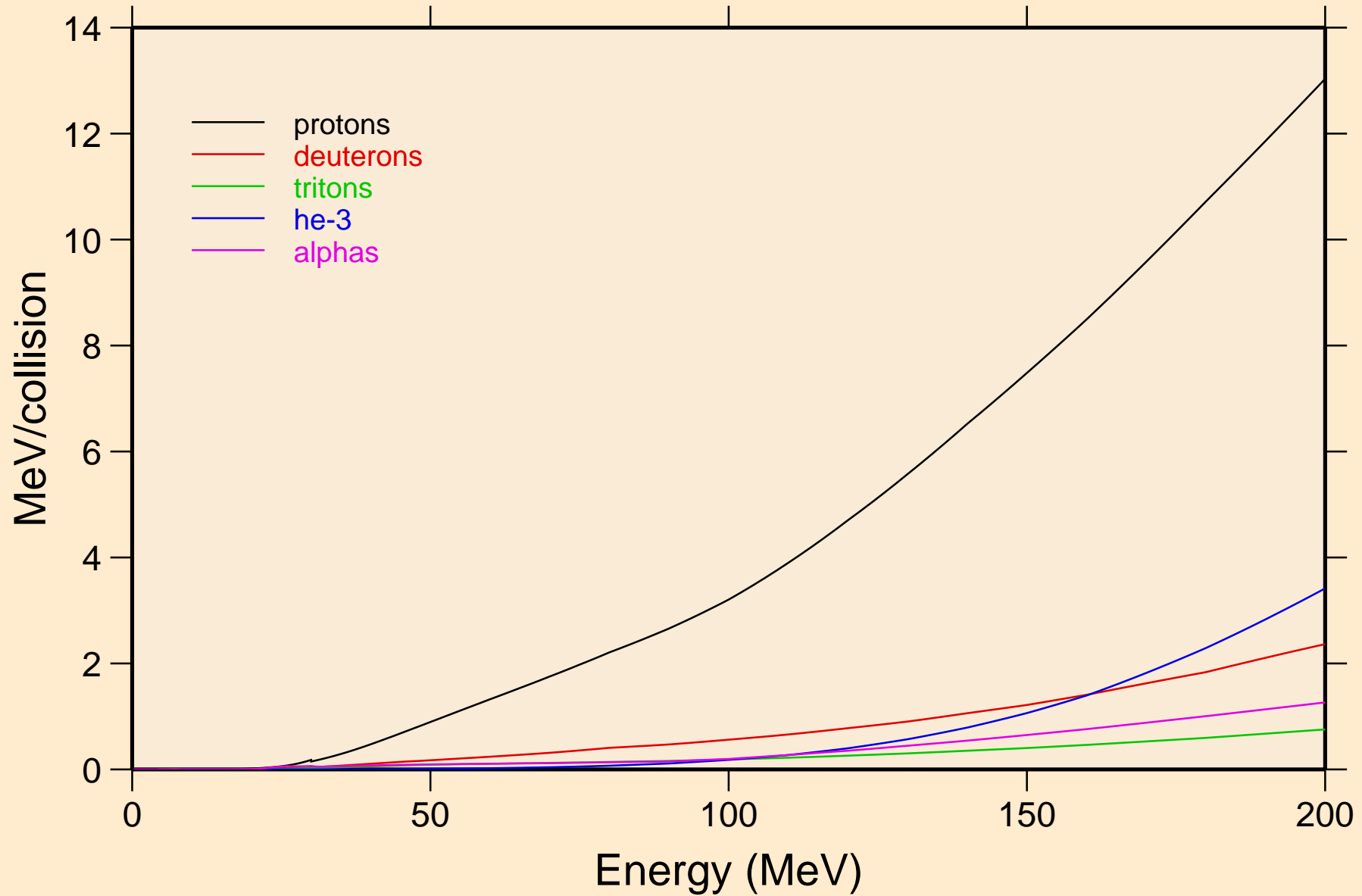


RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
14 MeV photon spectrum

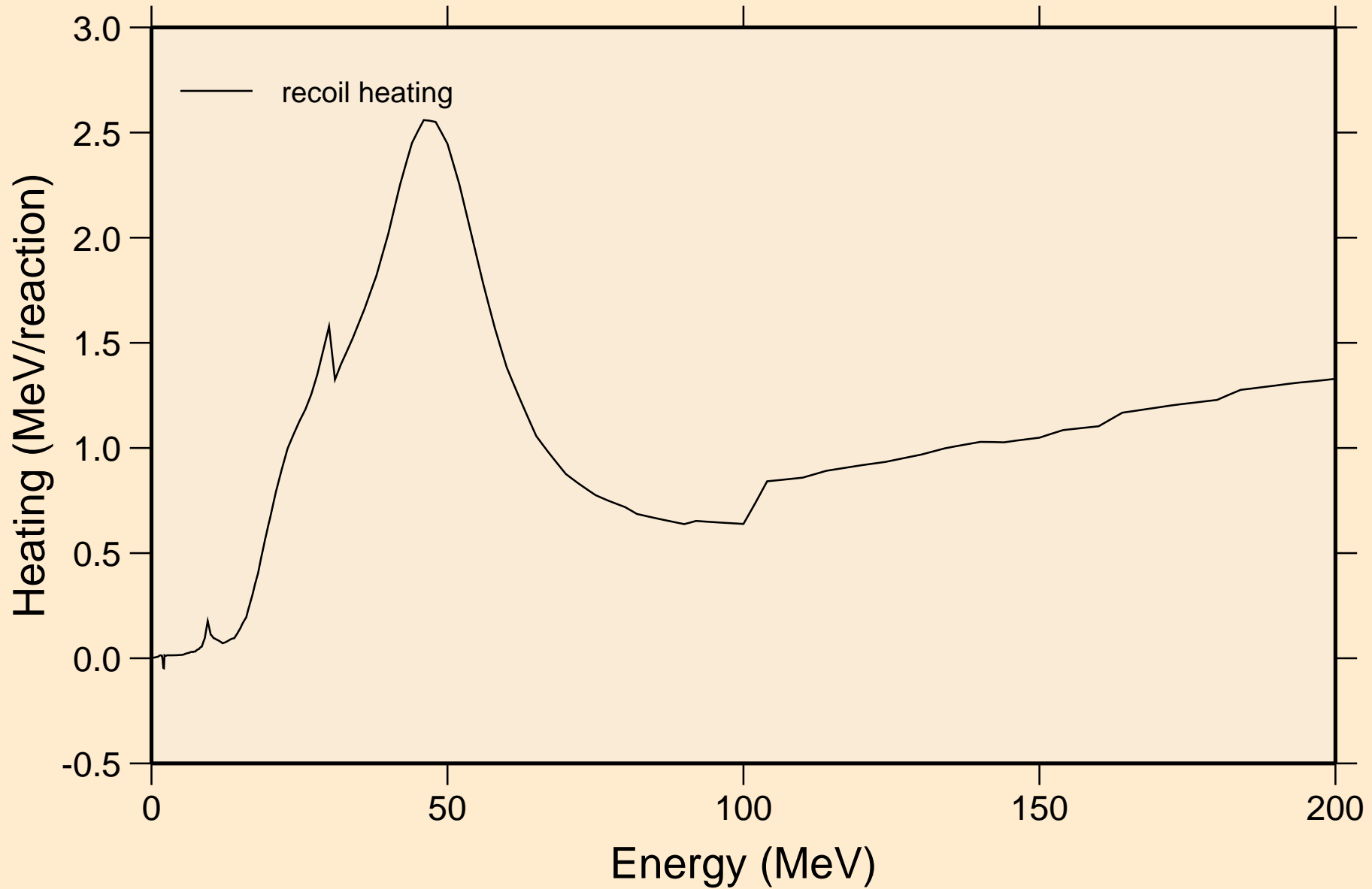




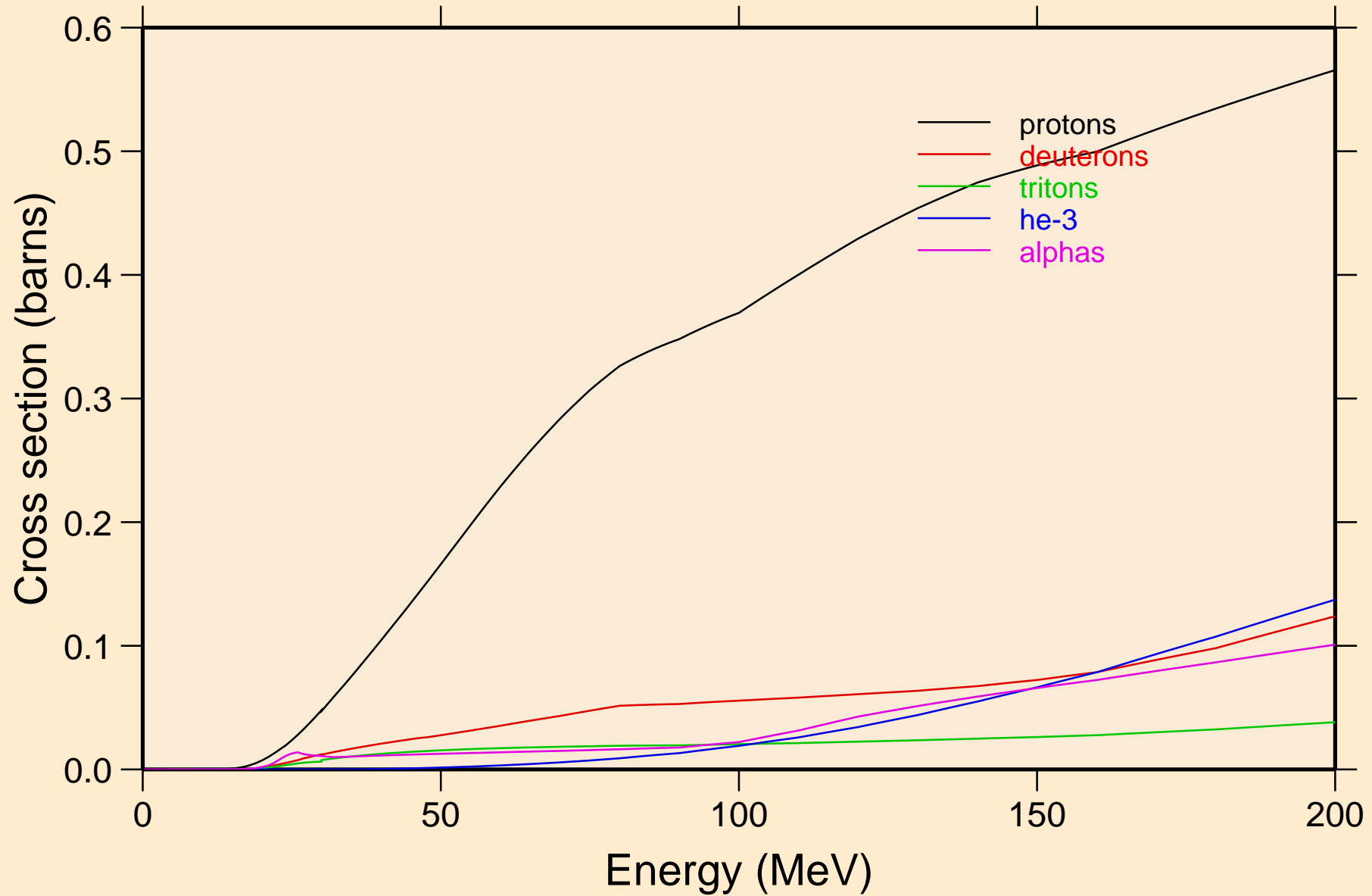
RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Particle heating contributions



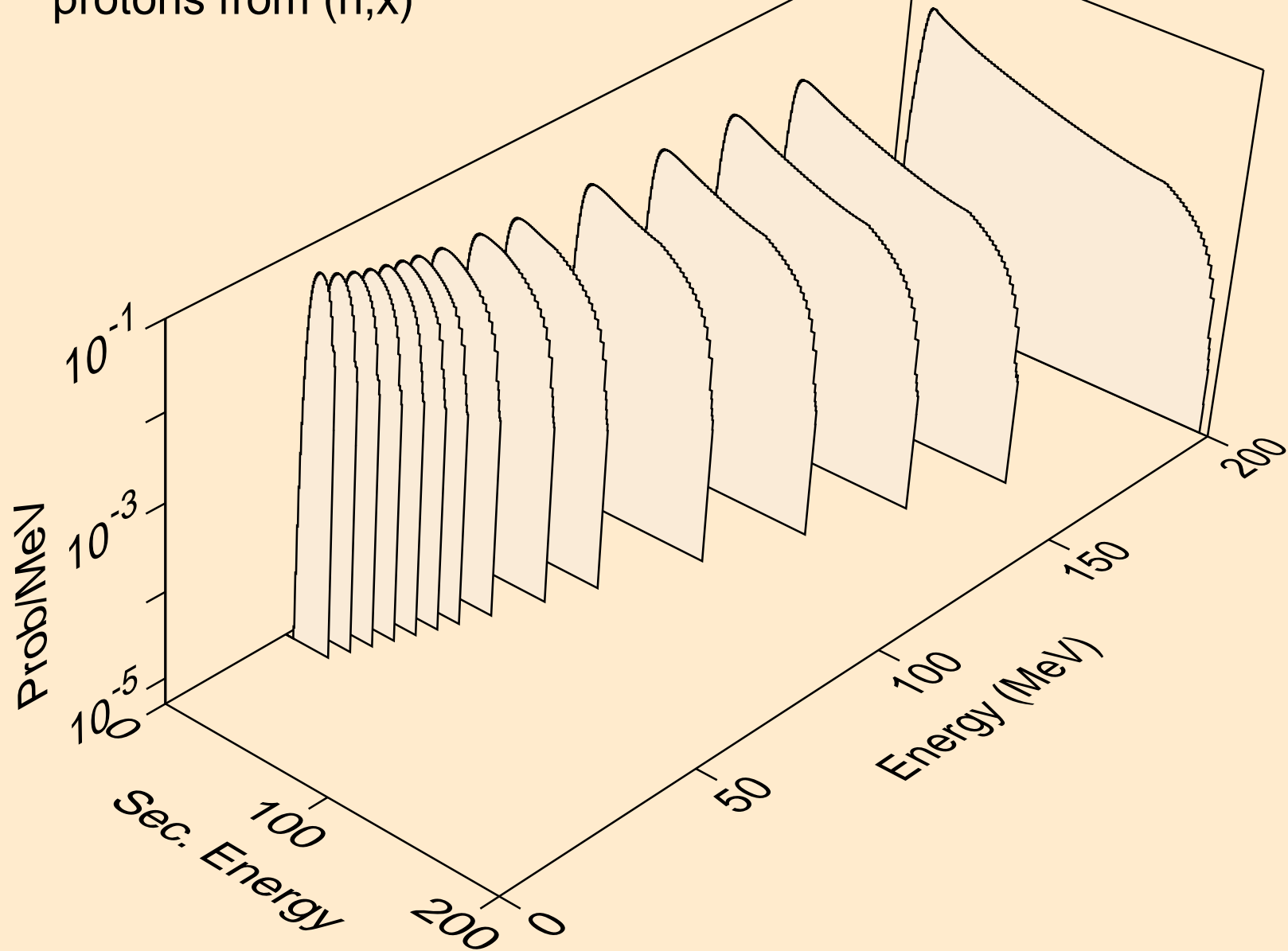
RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Recoil Heating



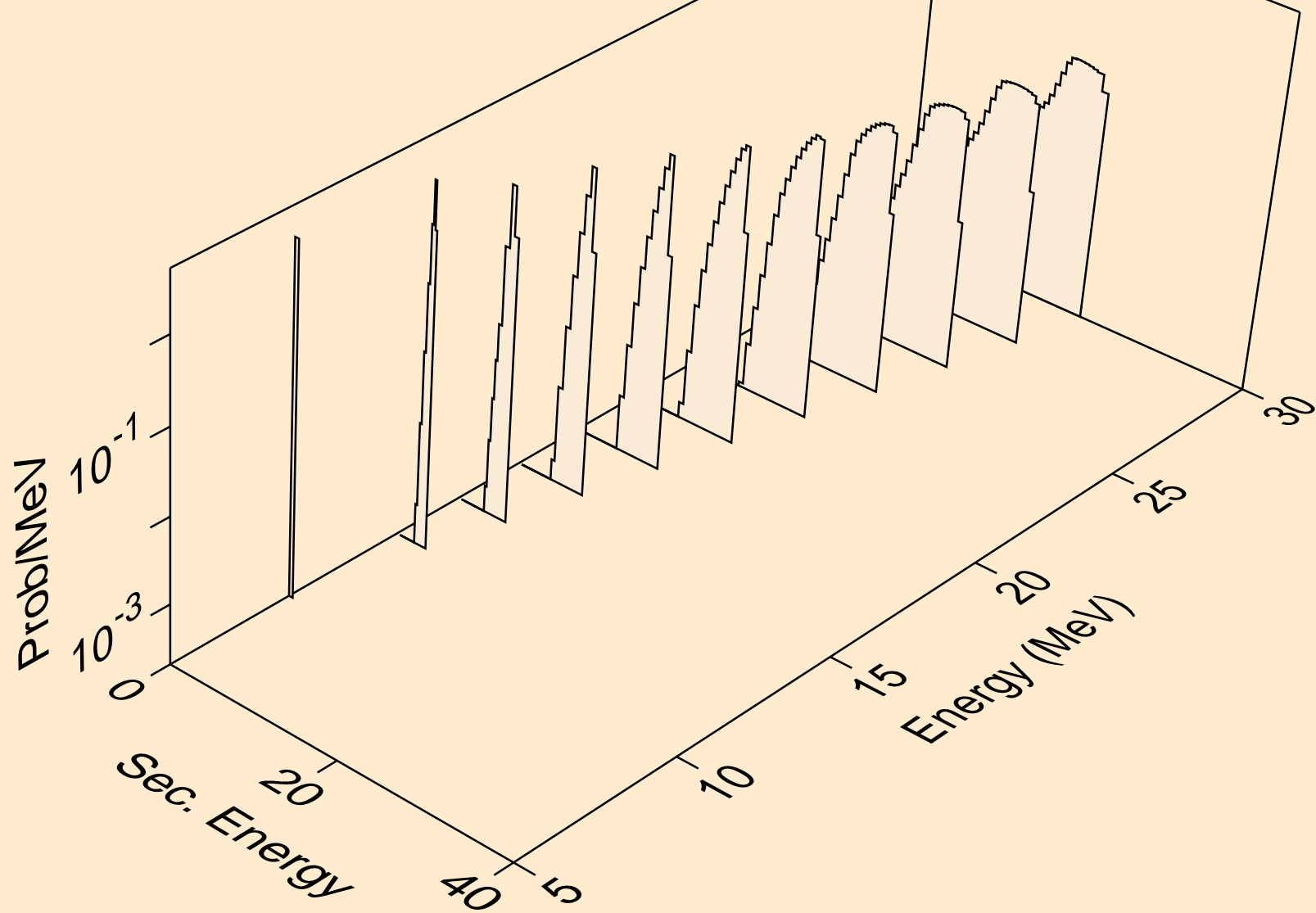
RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Particle production cross sections



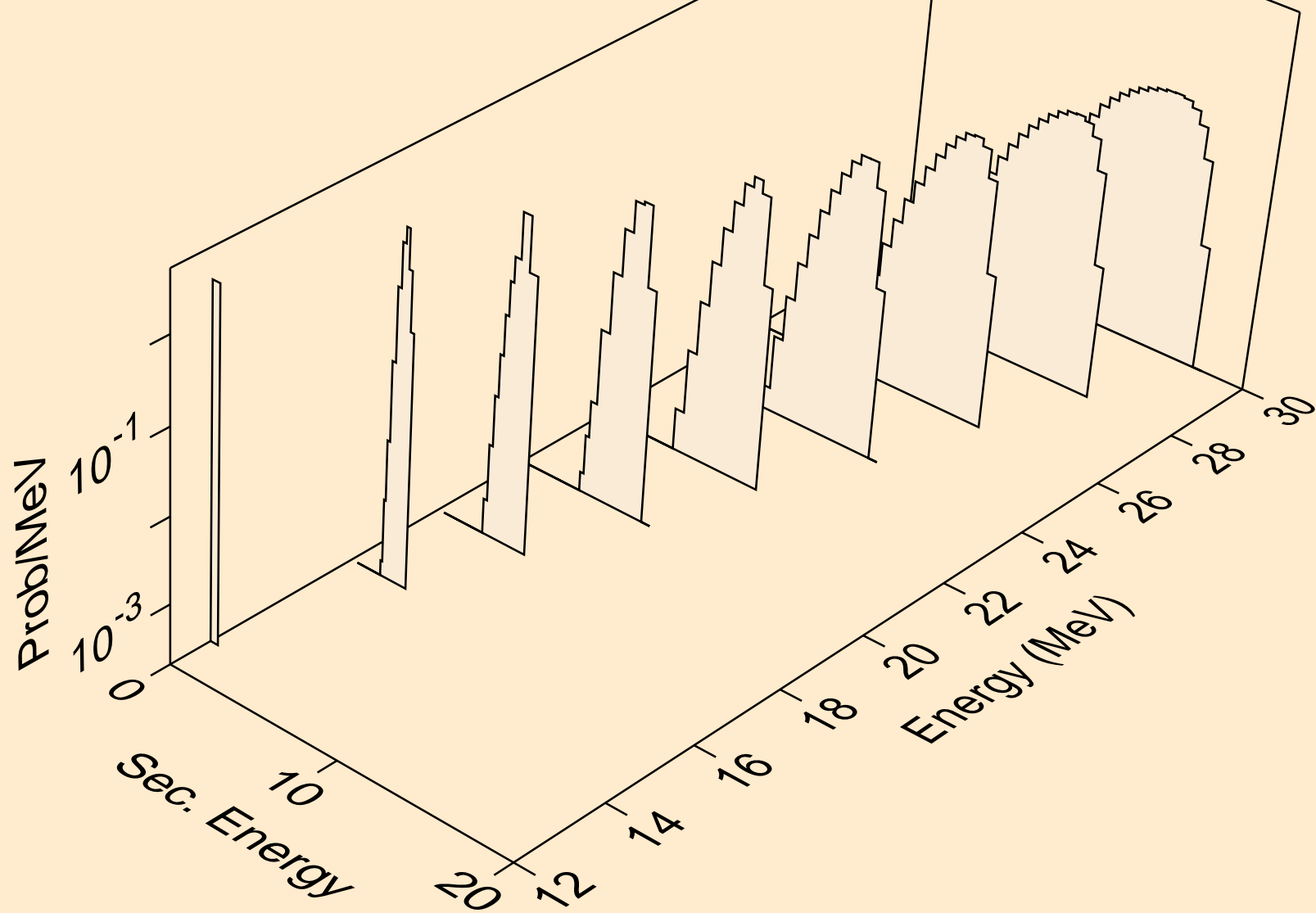
RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,x)



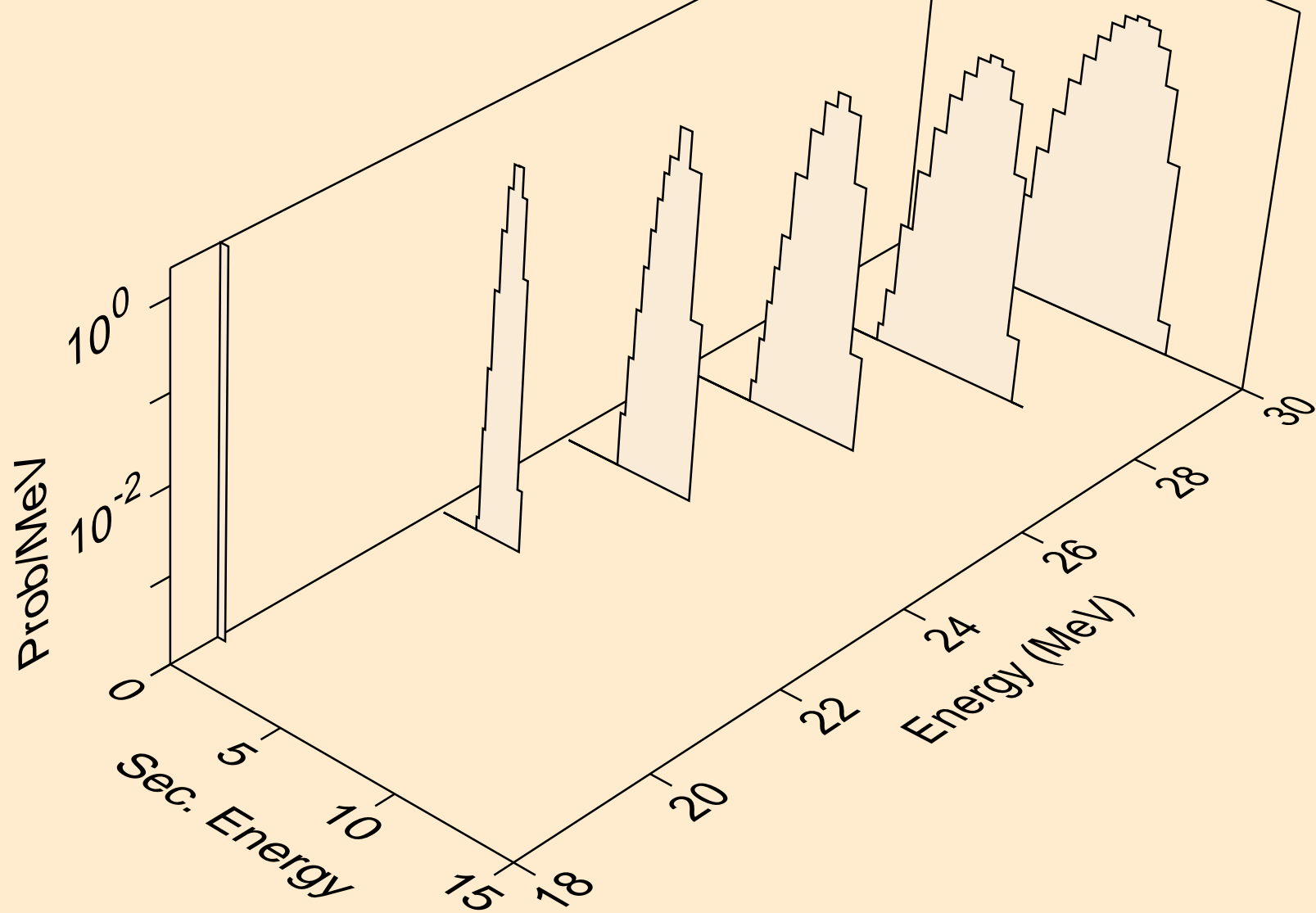
RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,n\*)p



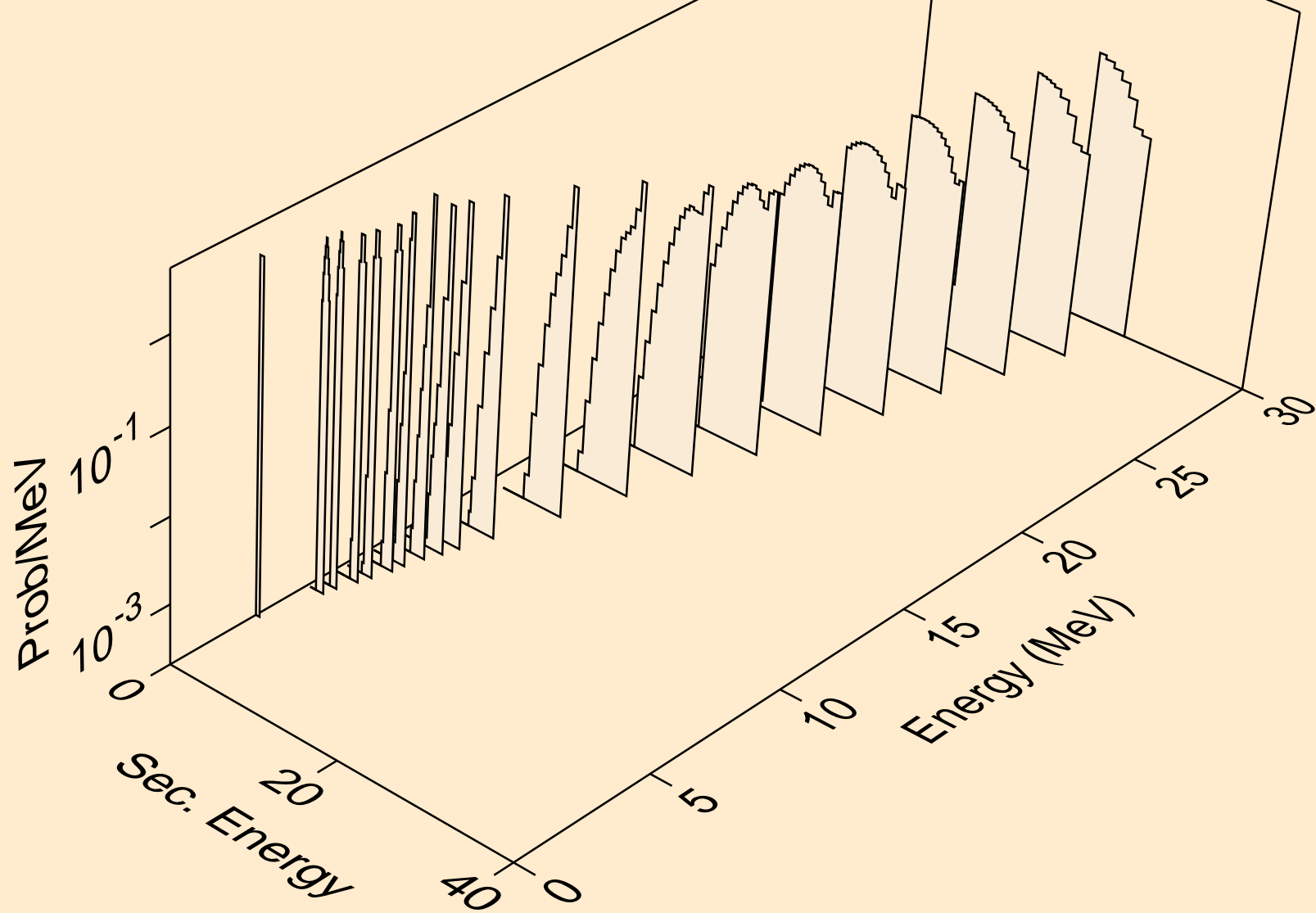
RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,2np)



RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,3np)

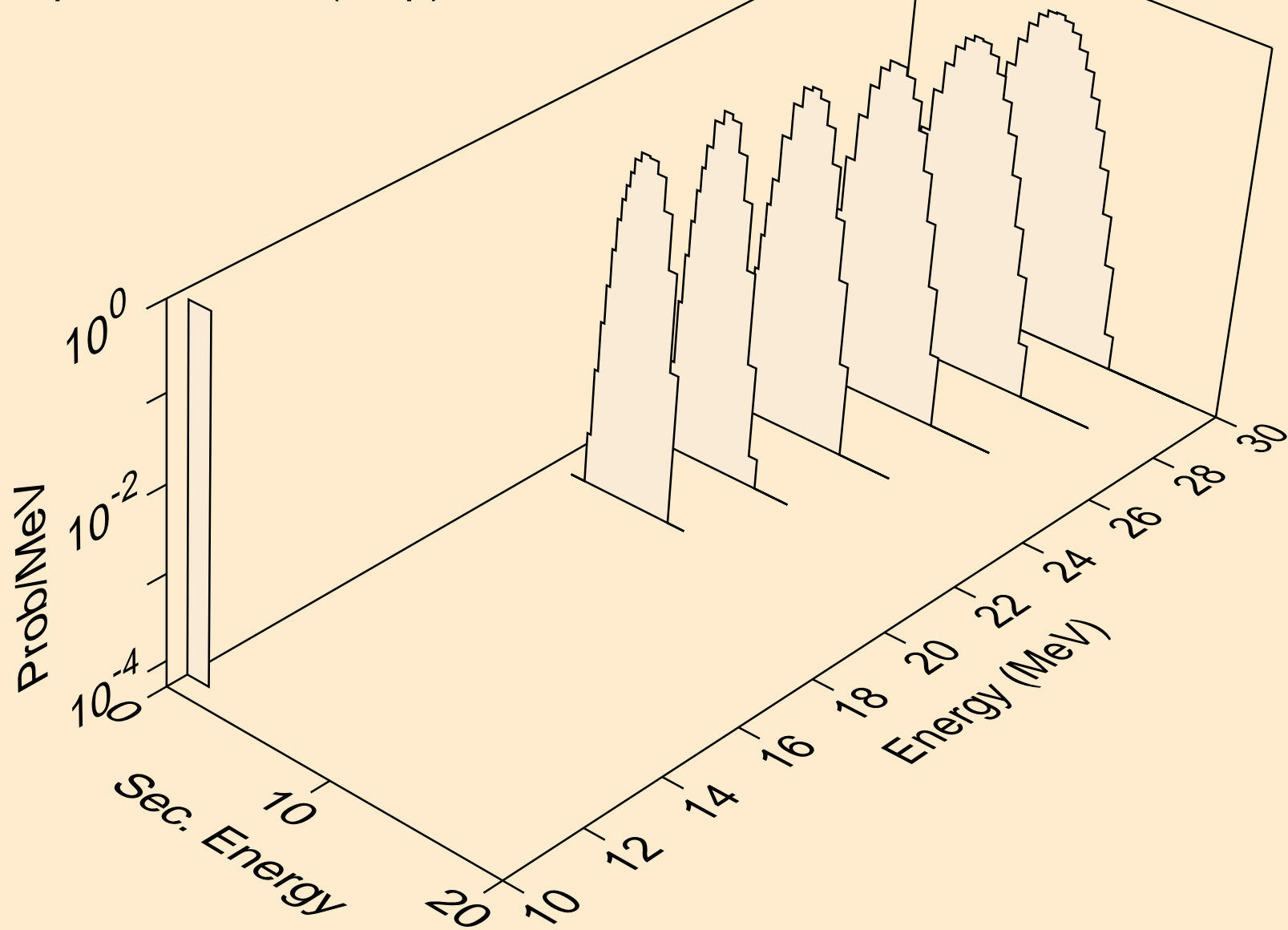


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protons from (n,p)

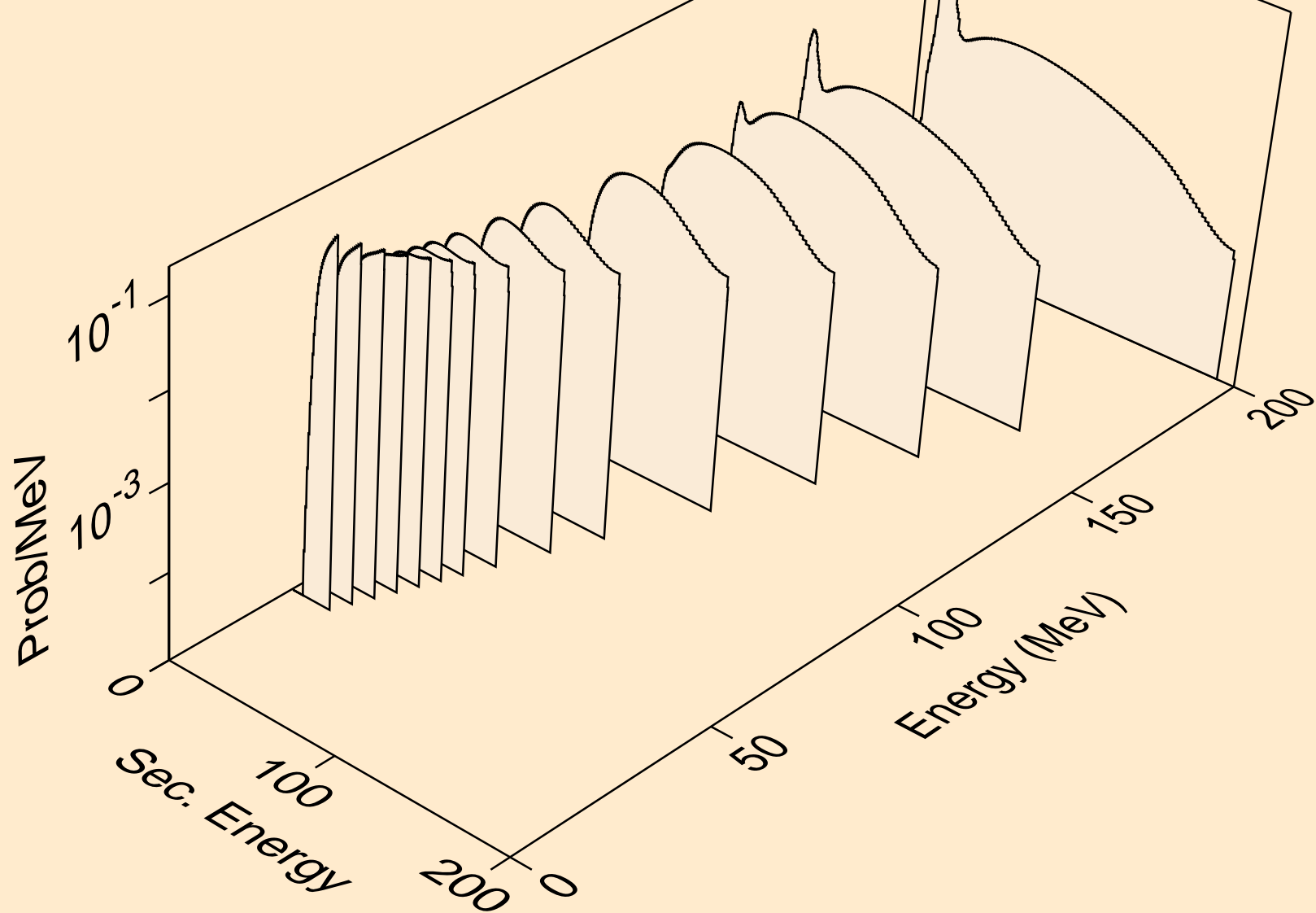




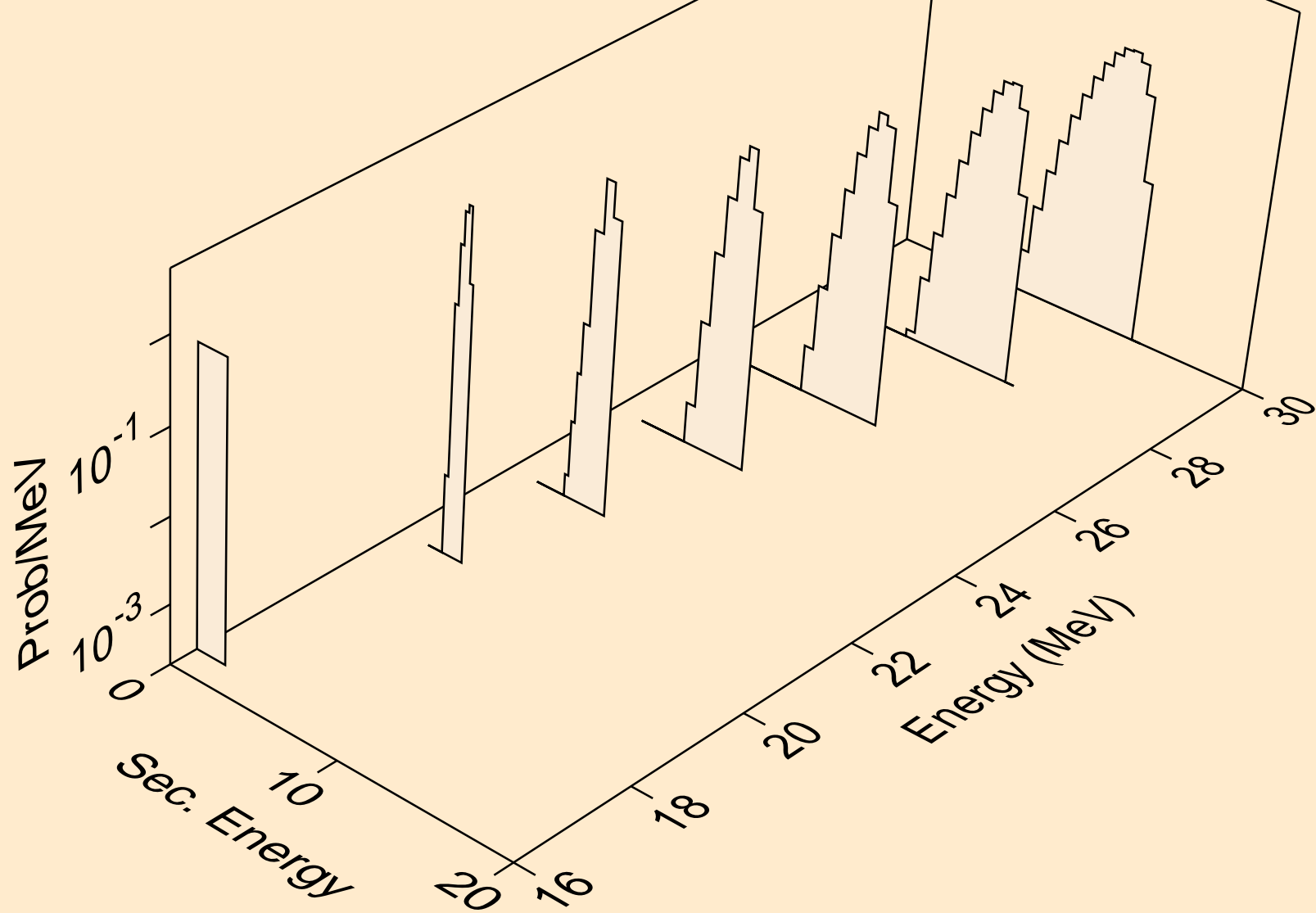
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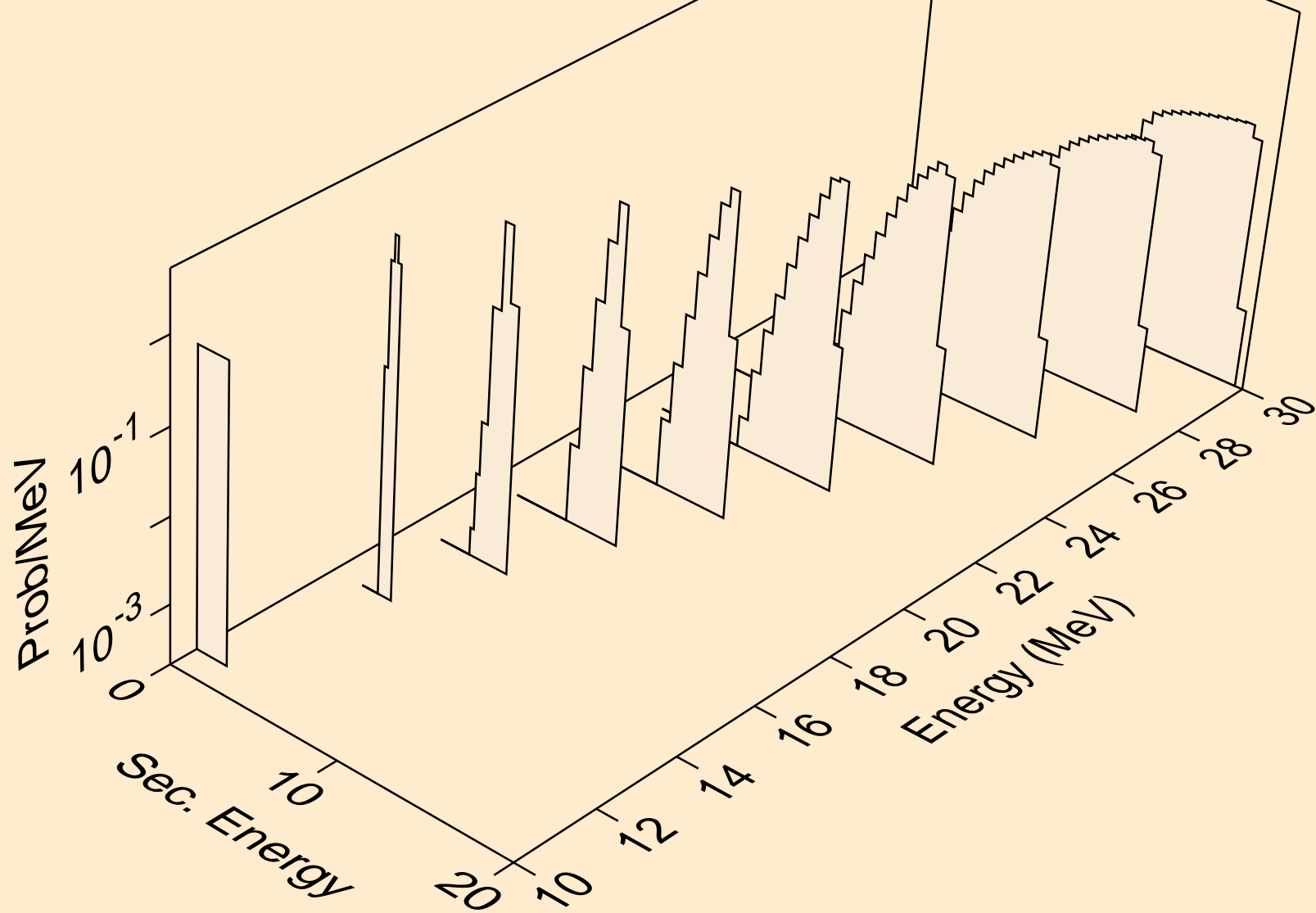
RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,x)



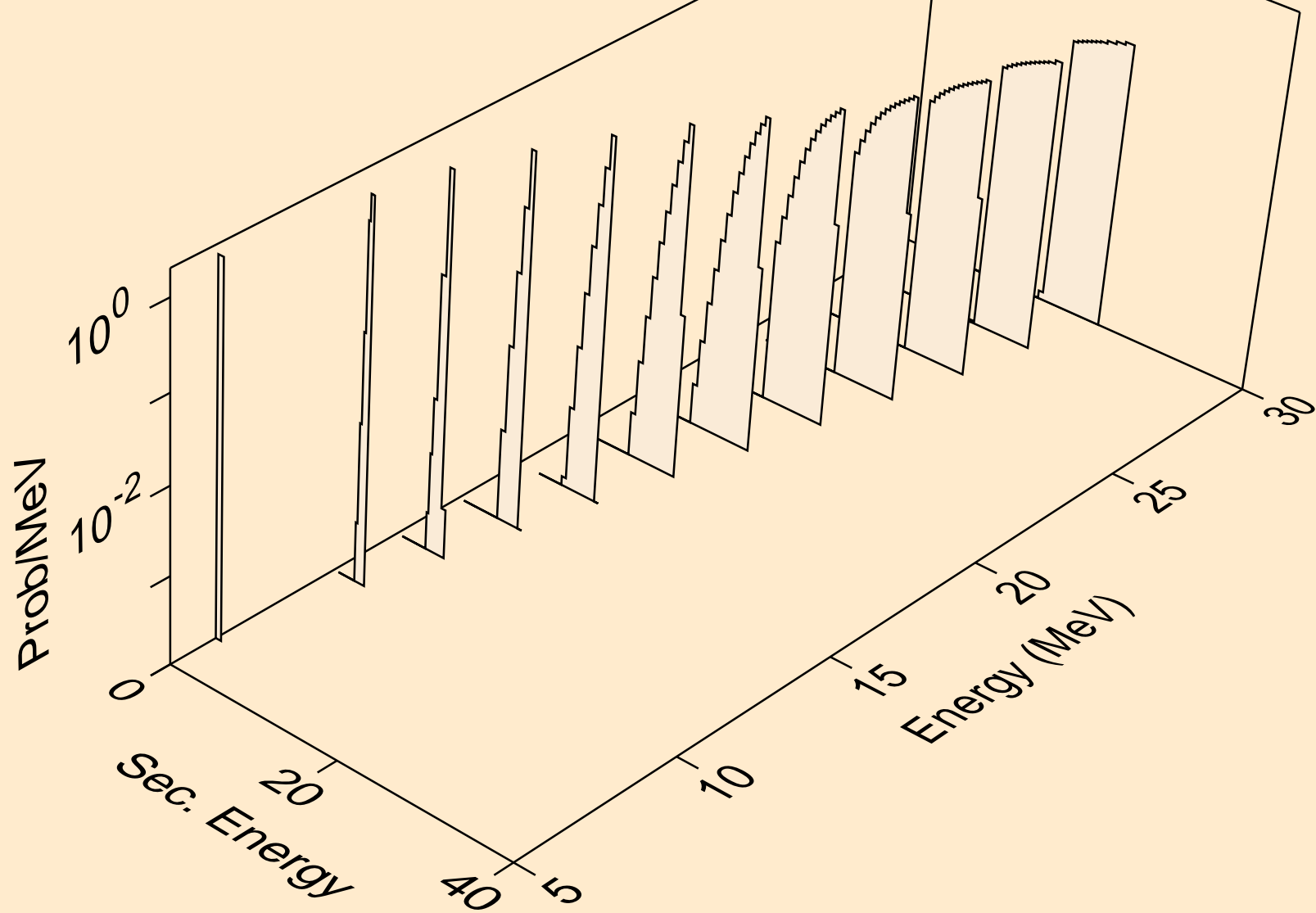
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deuterons from (n,2nd)



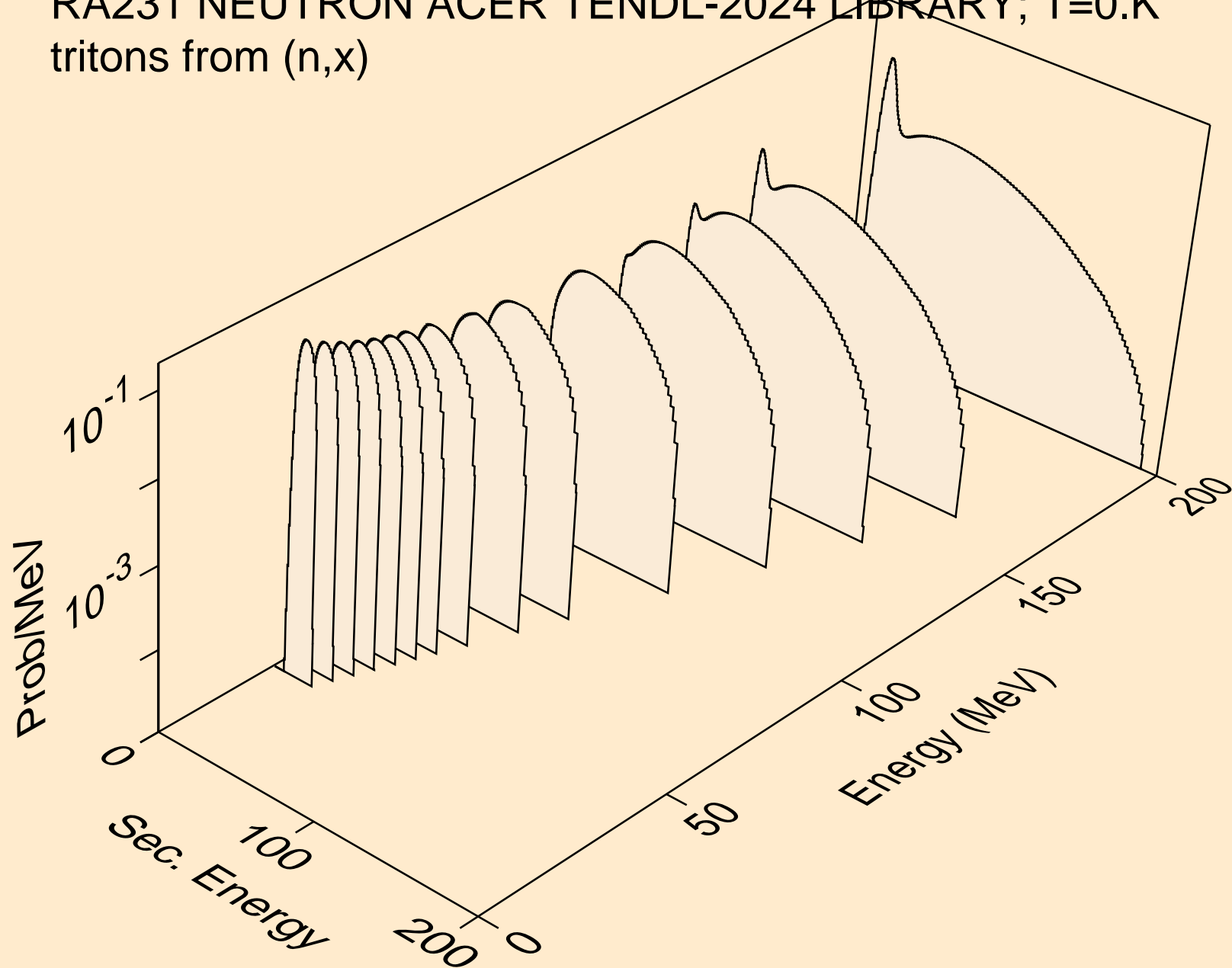
RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,n\*)d



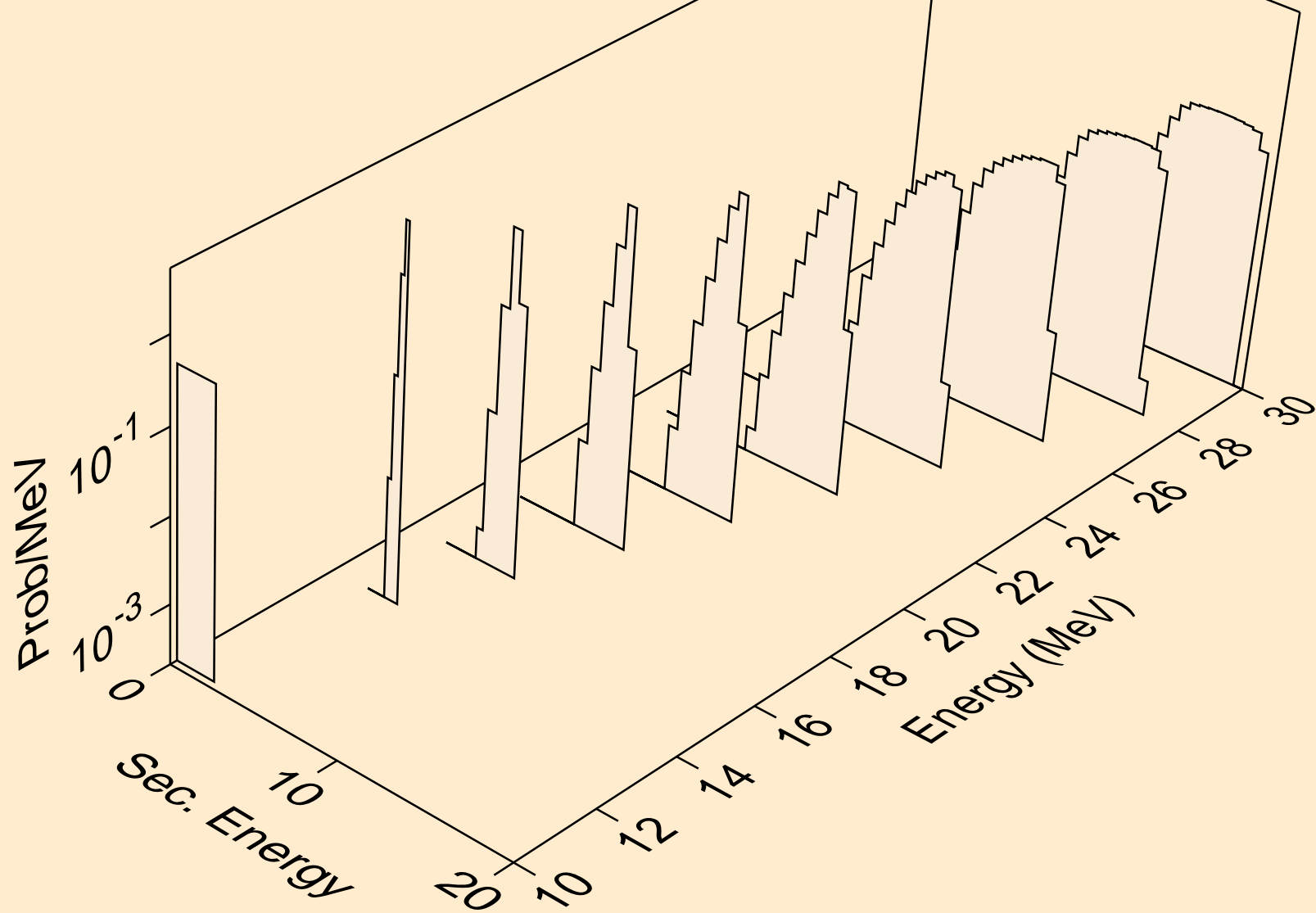
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deuterons from (n,d)



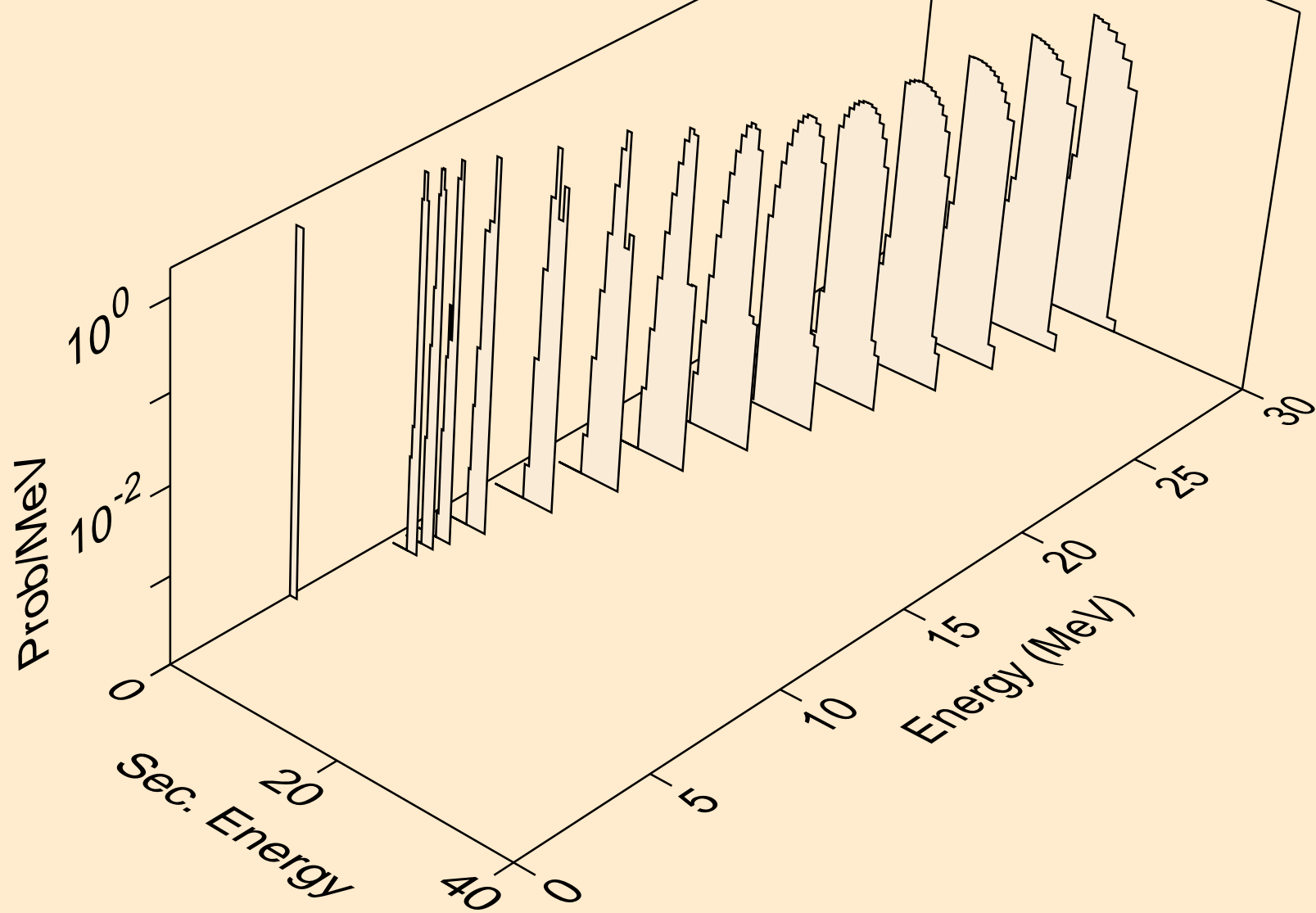
RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,x)



RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,n\*)t

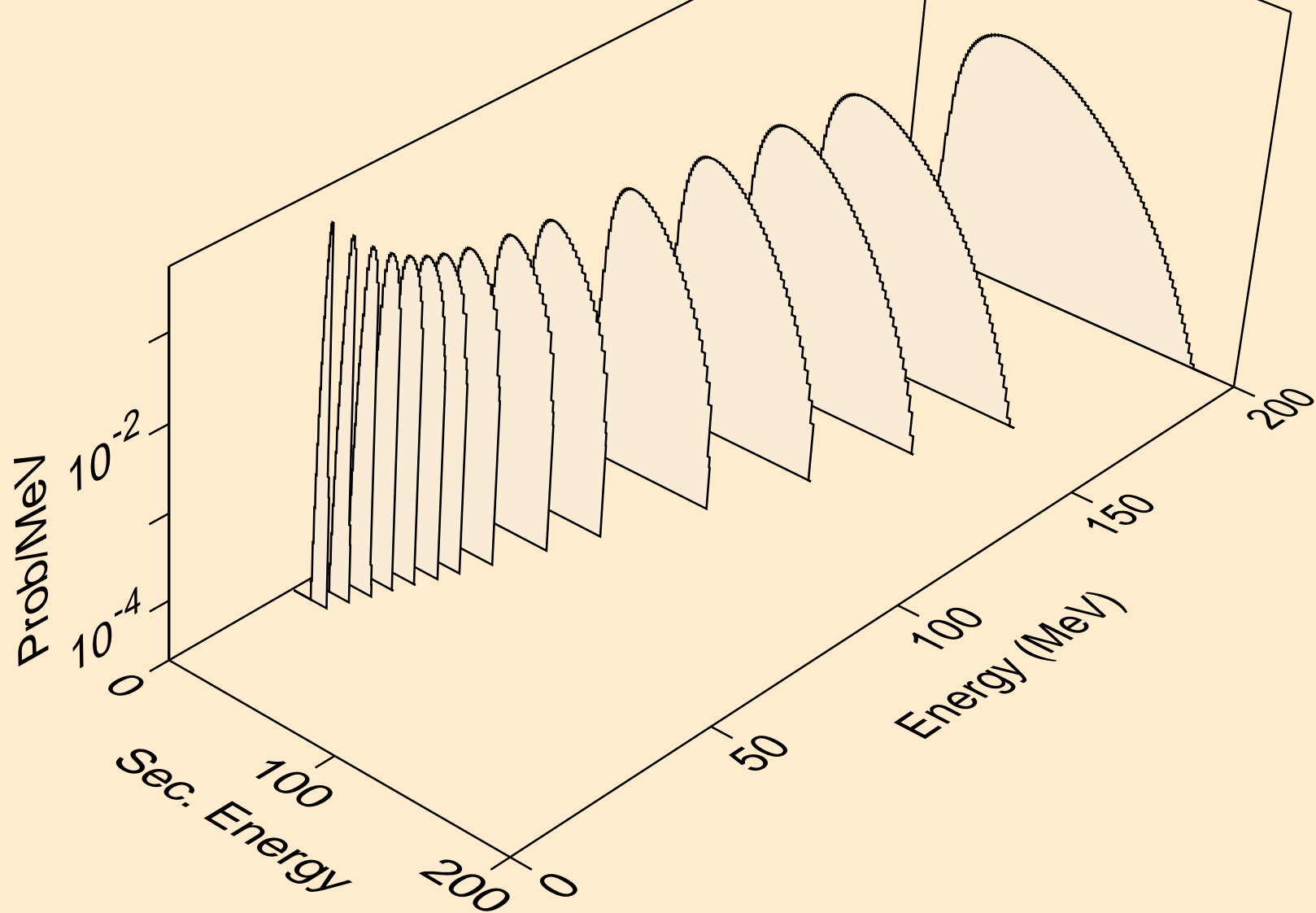


RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,t)

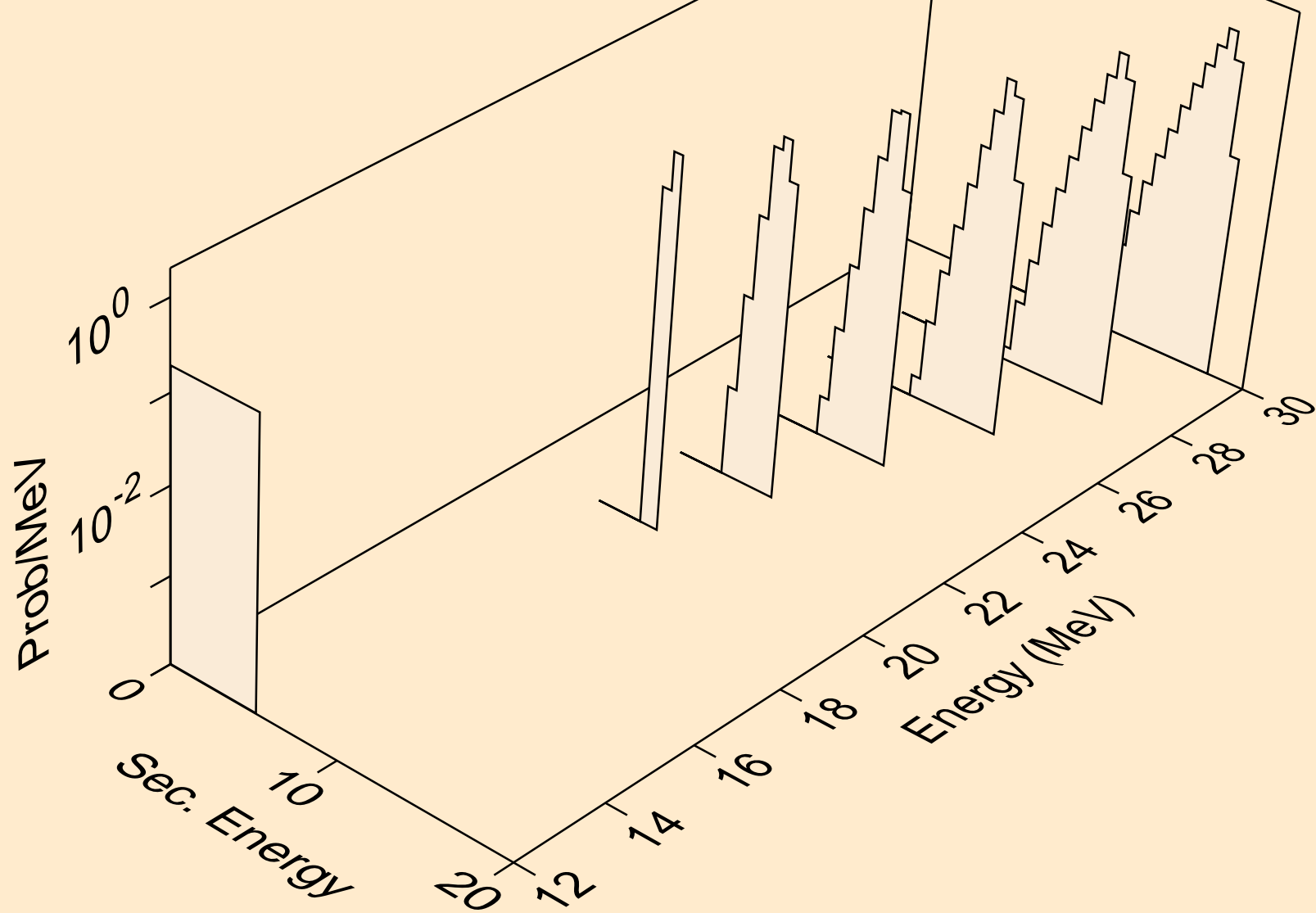




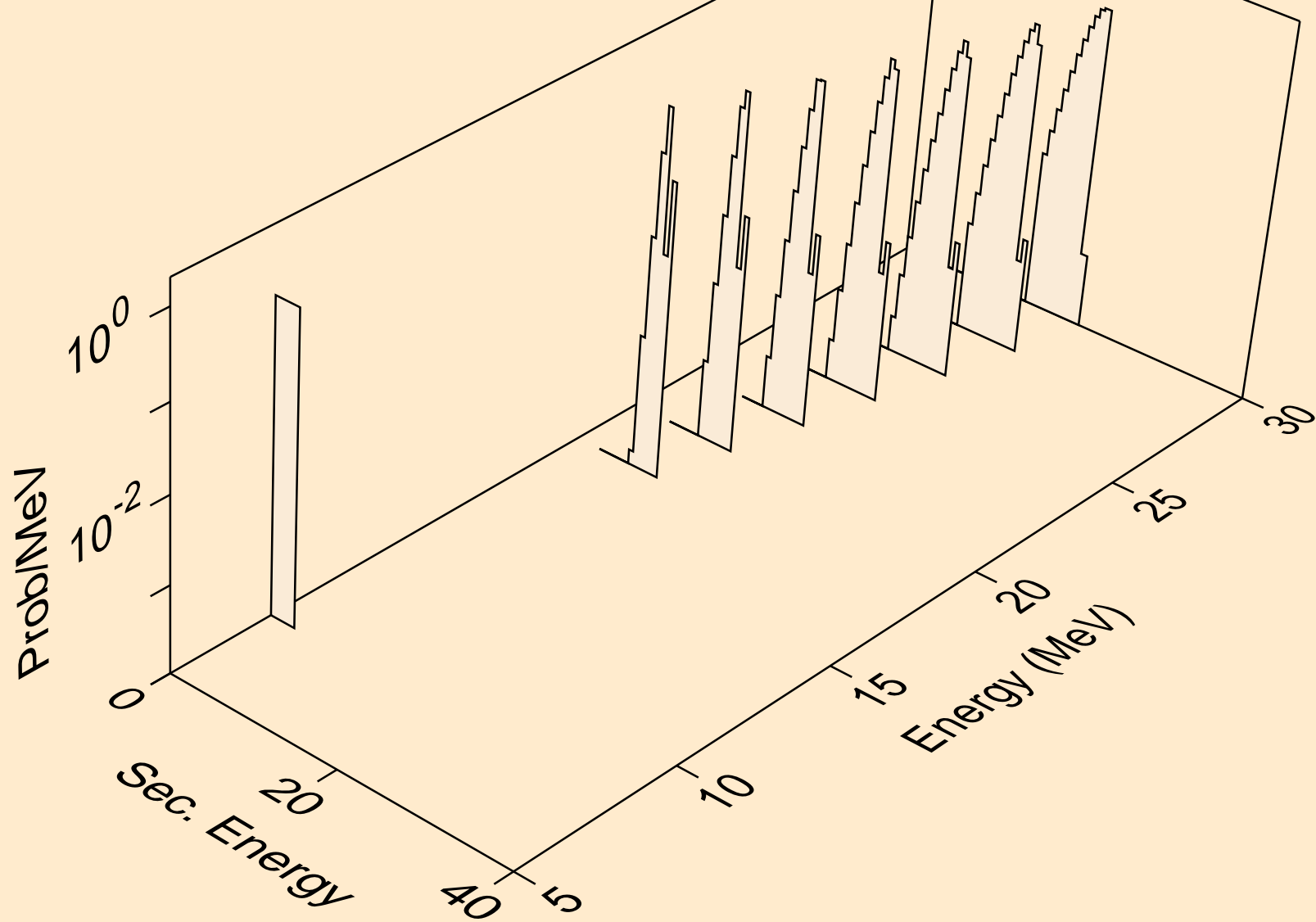
RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,x)



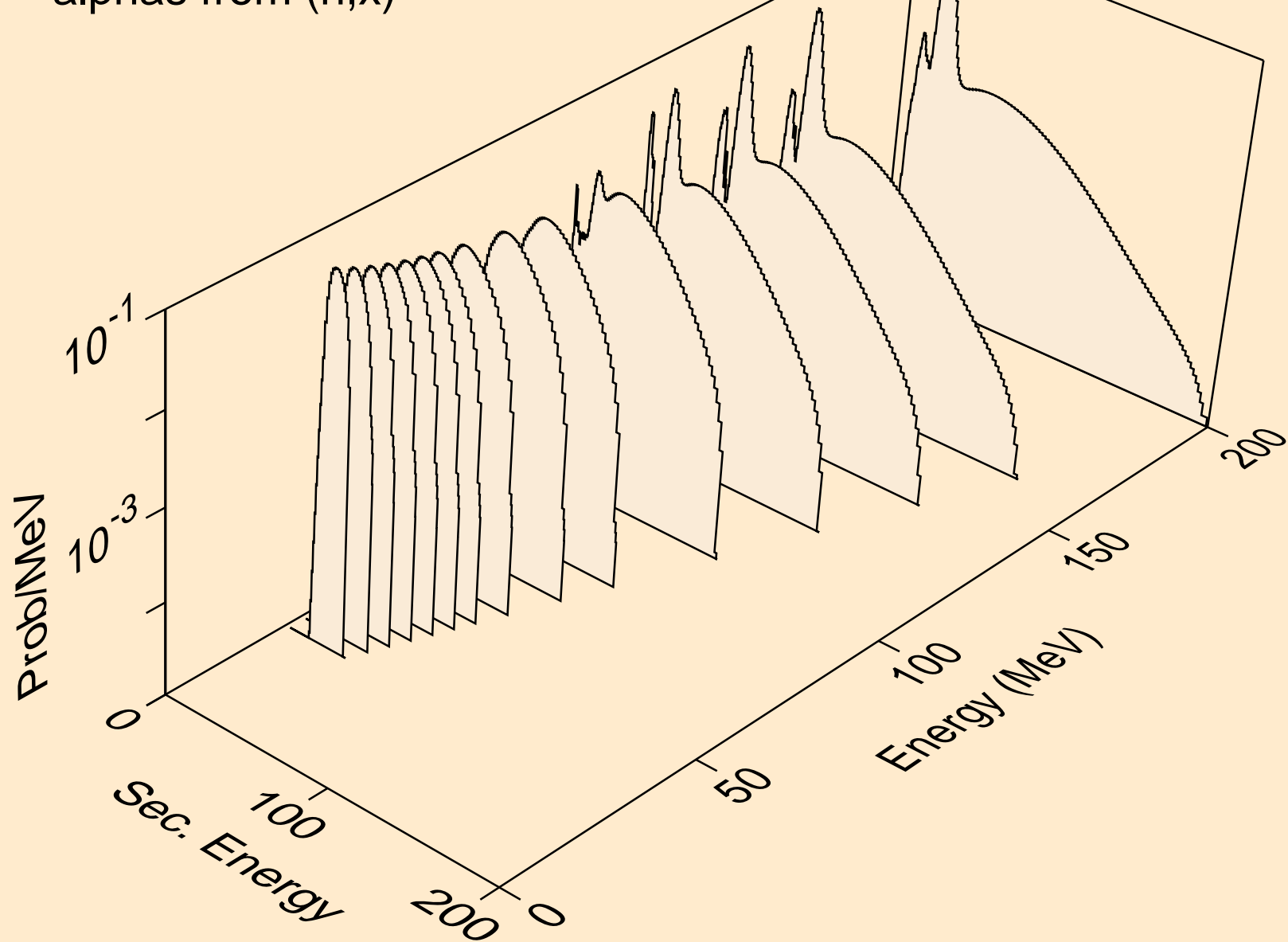
RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,n\*)he3



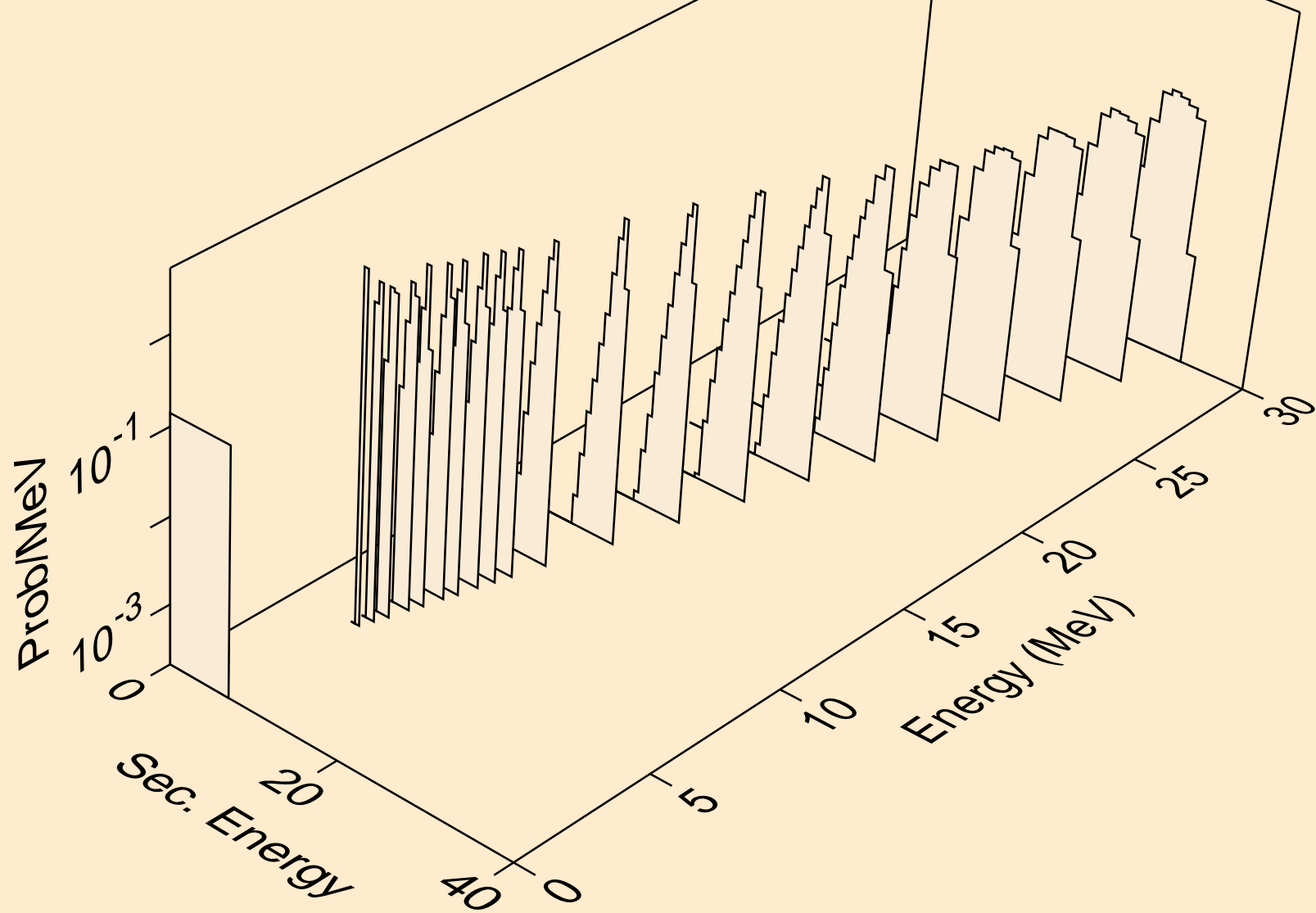
RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,he3)



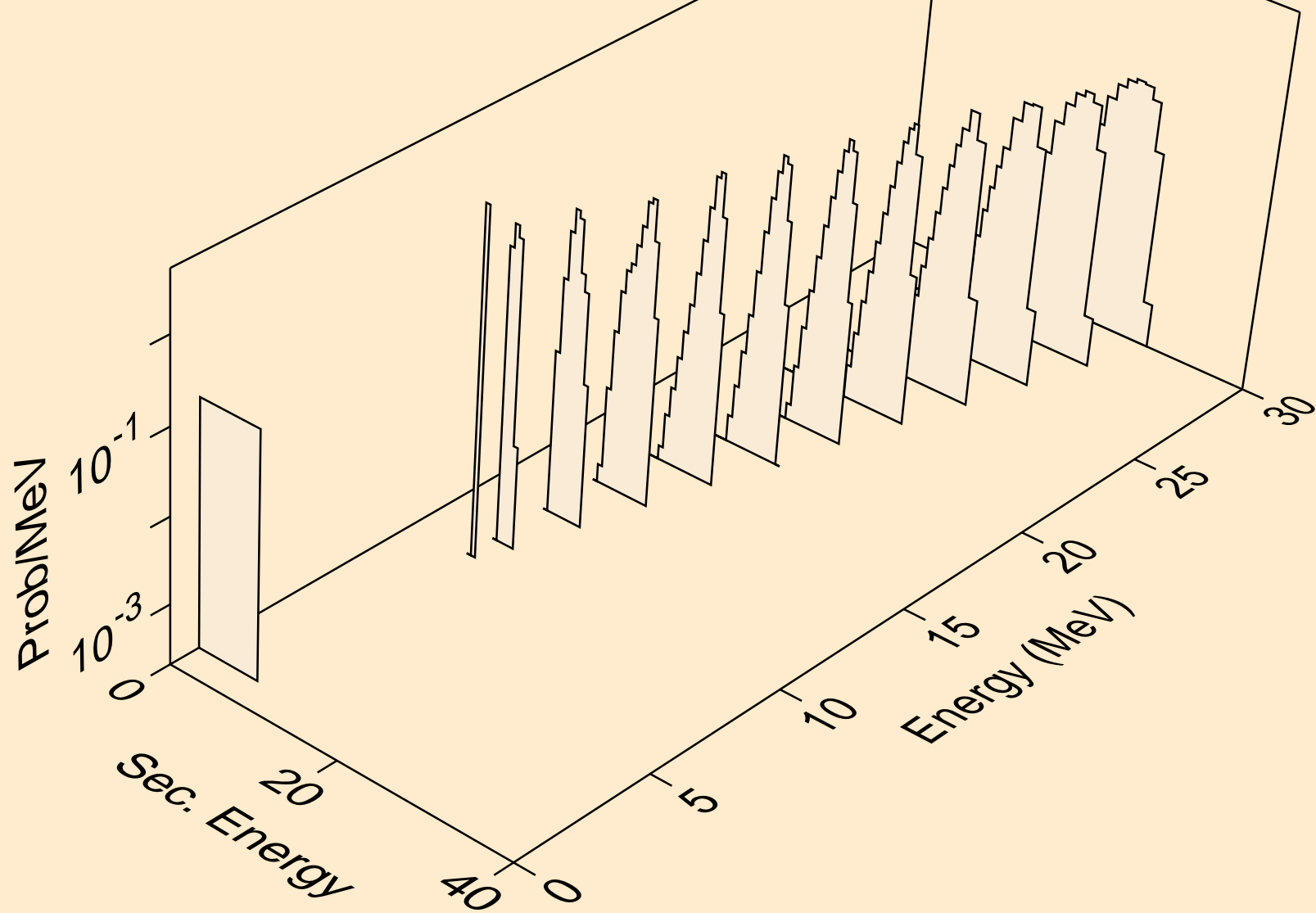
RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,x)



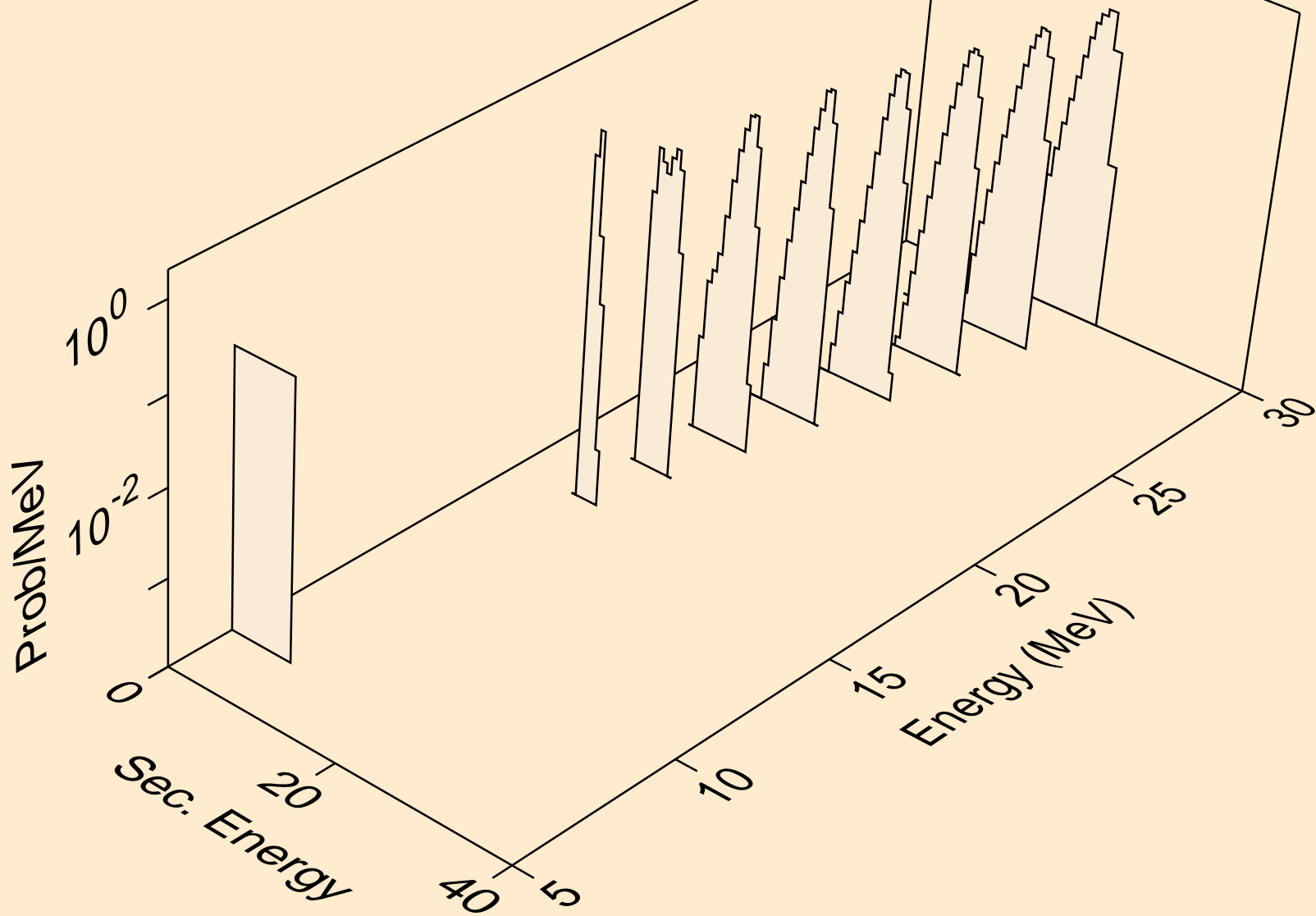
RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)a



RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2n)a



RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,3n)a



RA231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,a)

