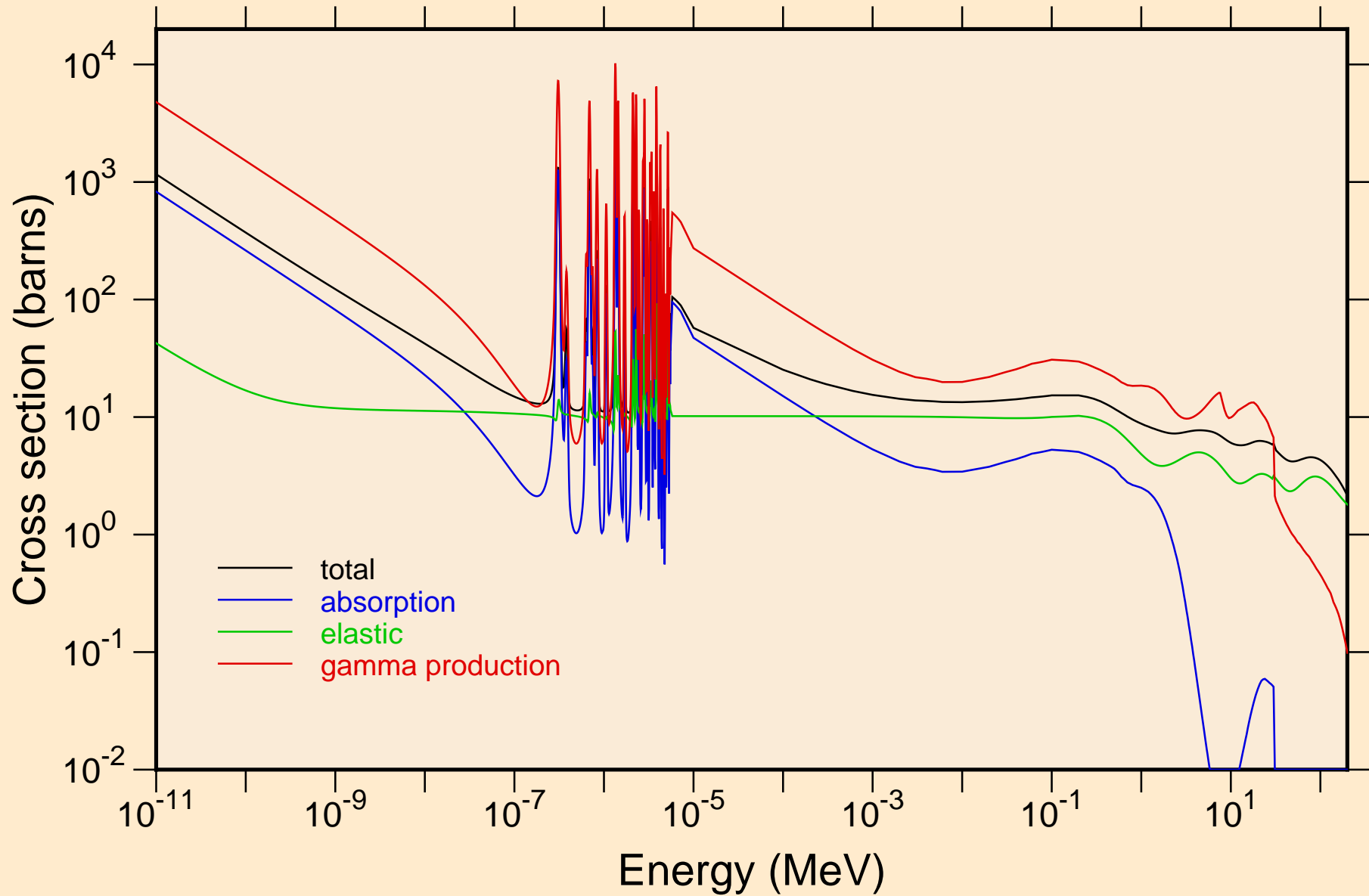
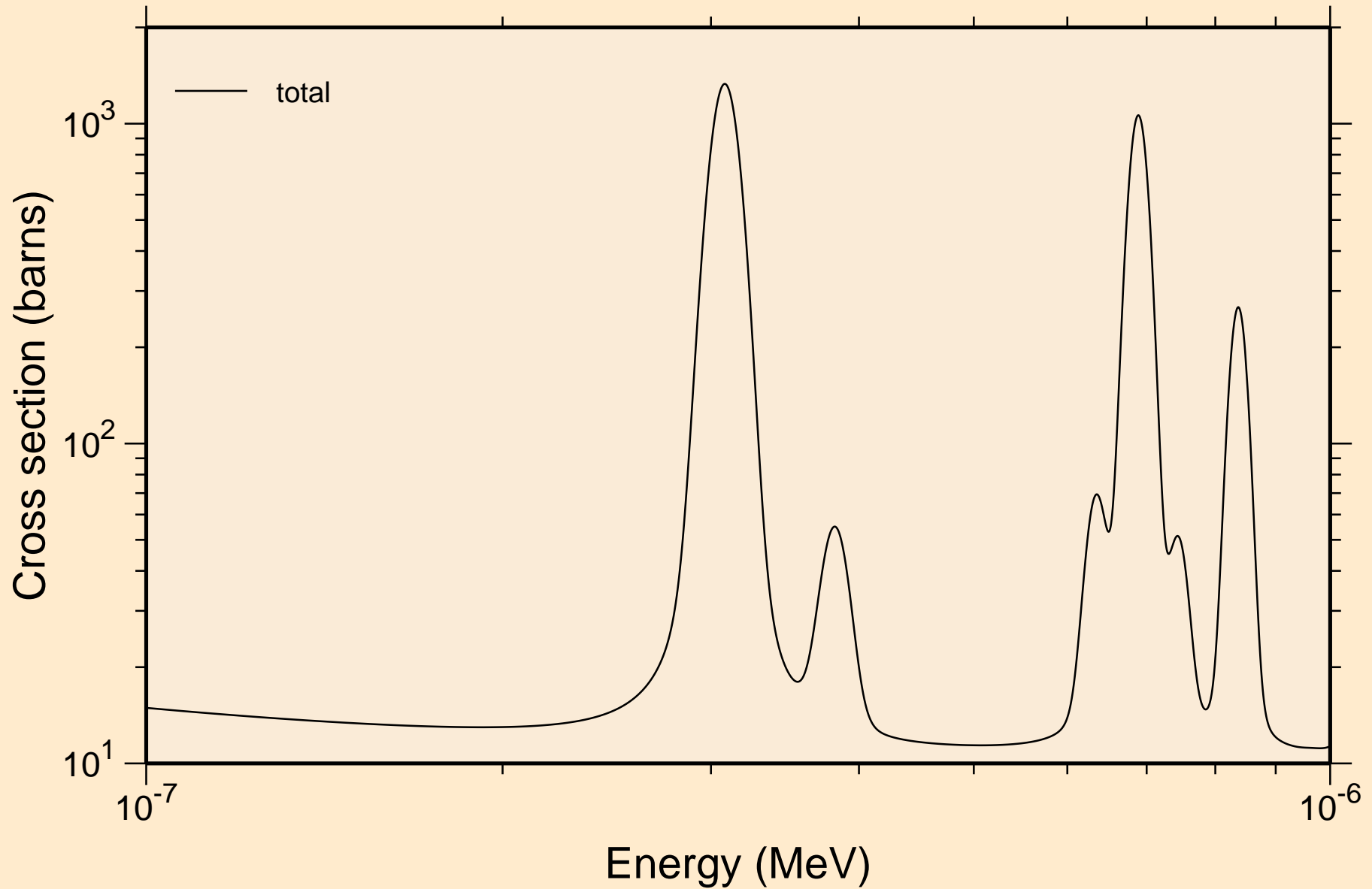


# ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

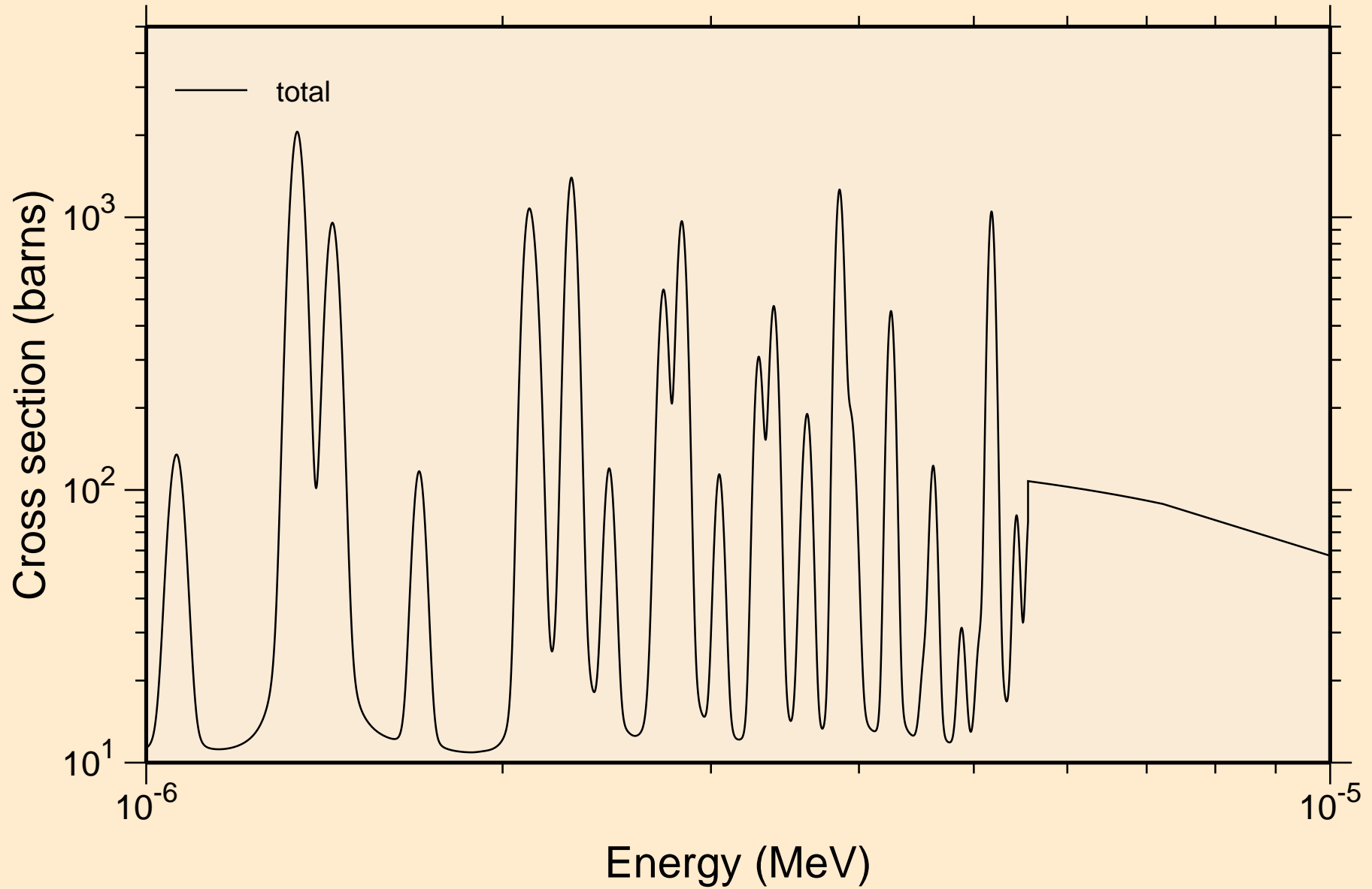
## Principal cross sections



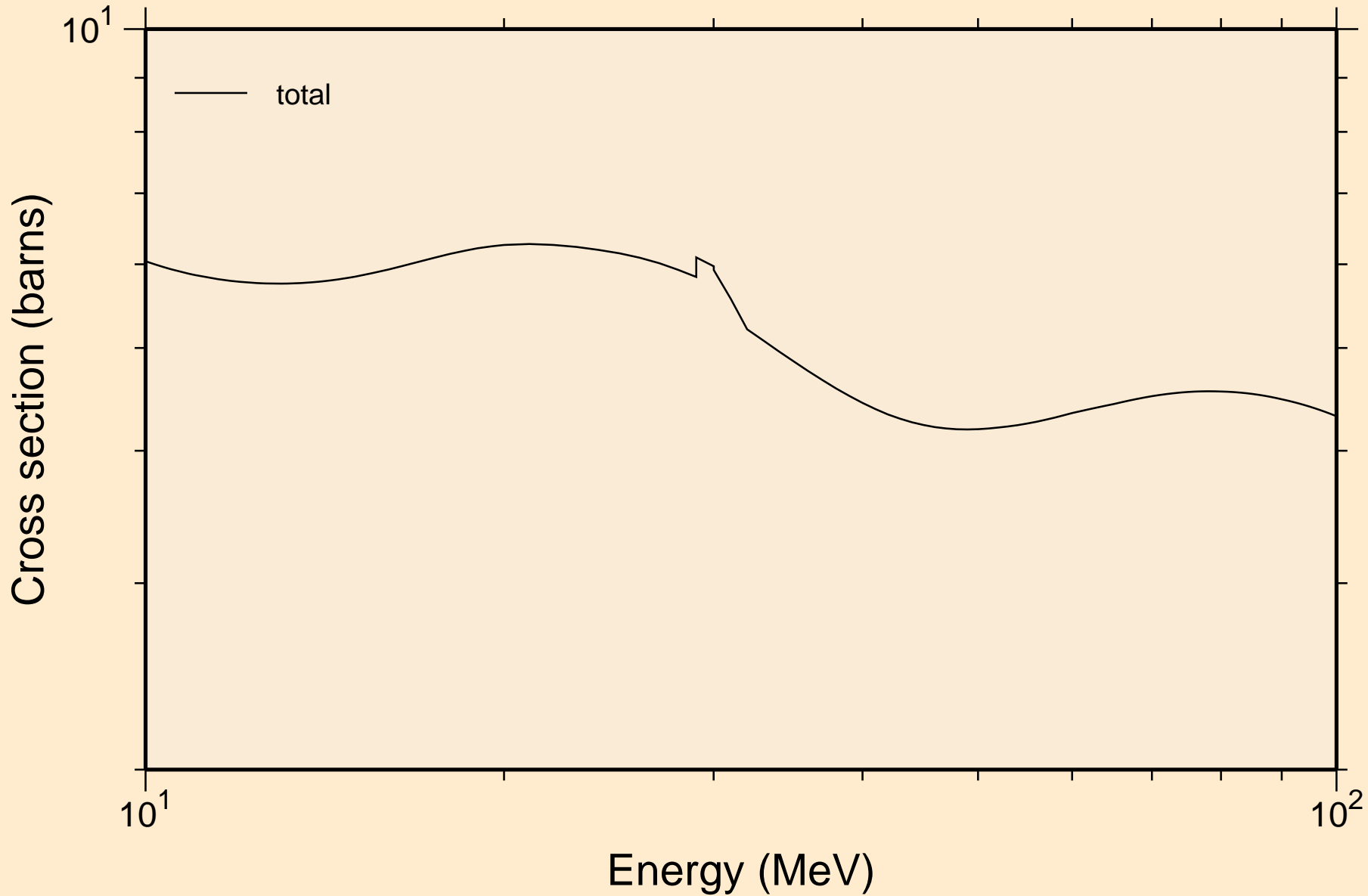
ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



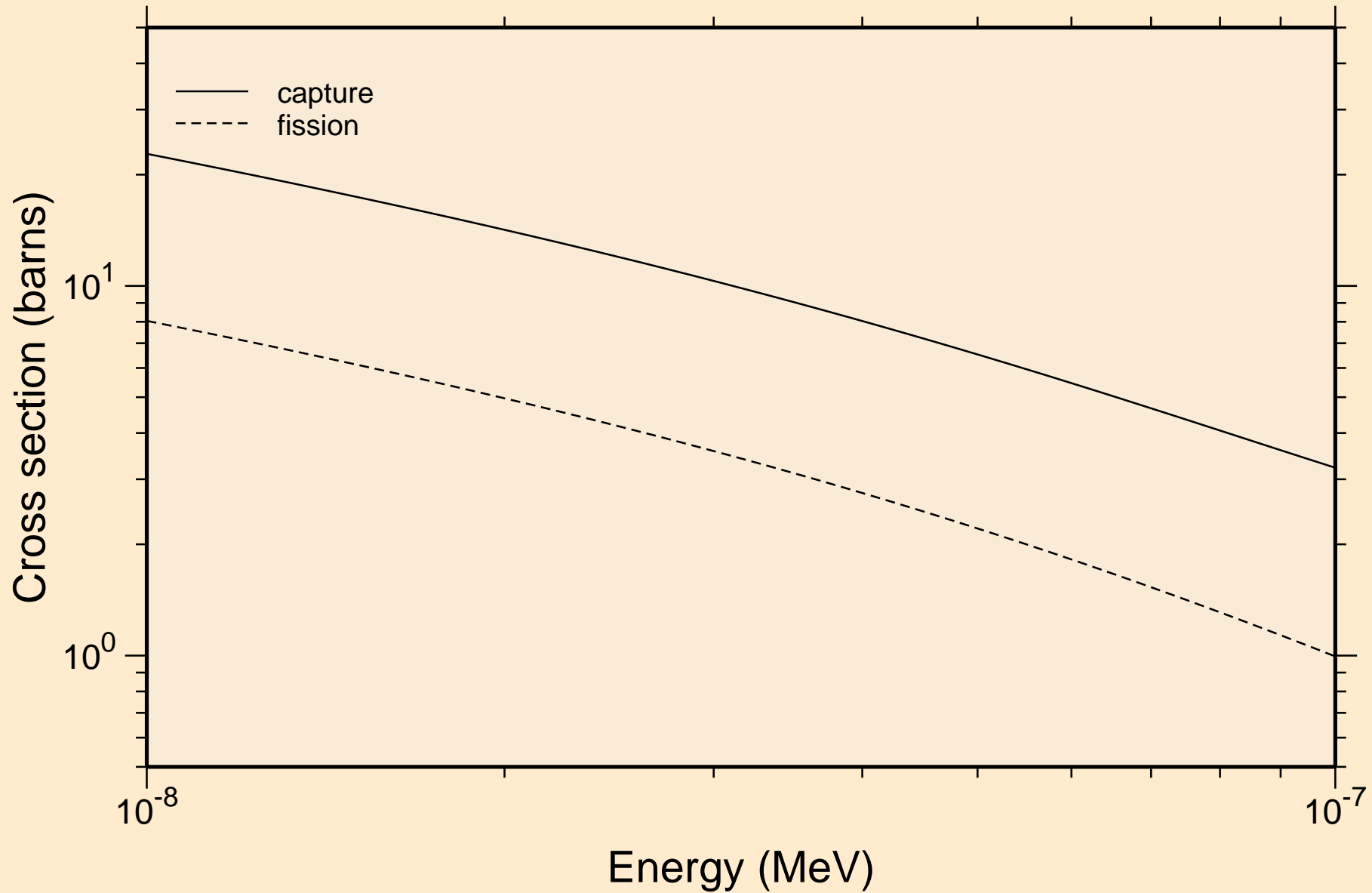
ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



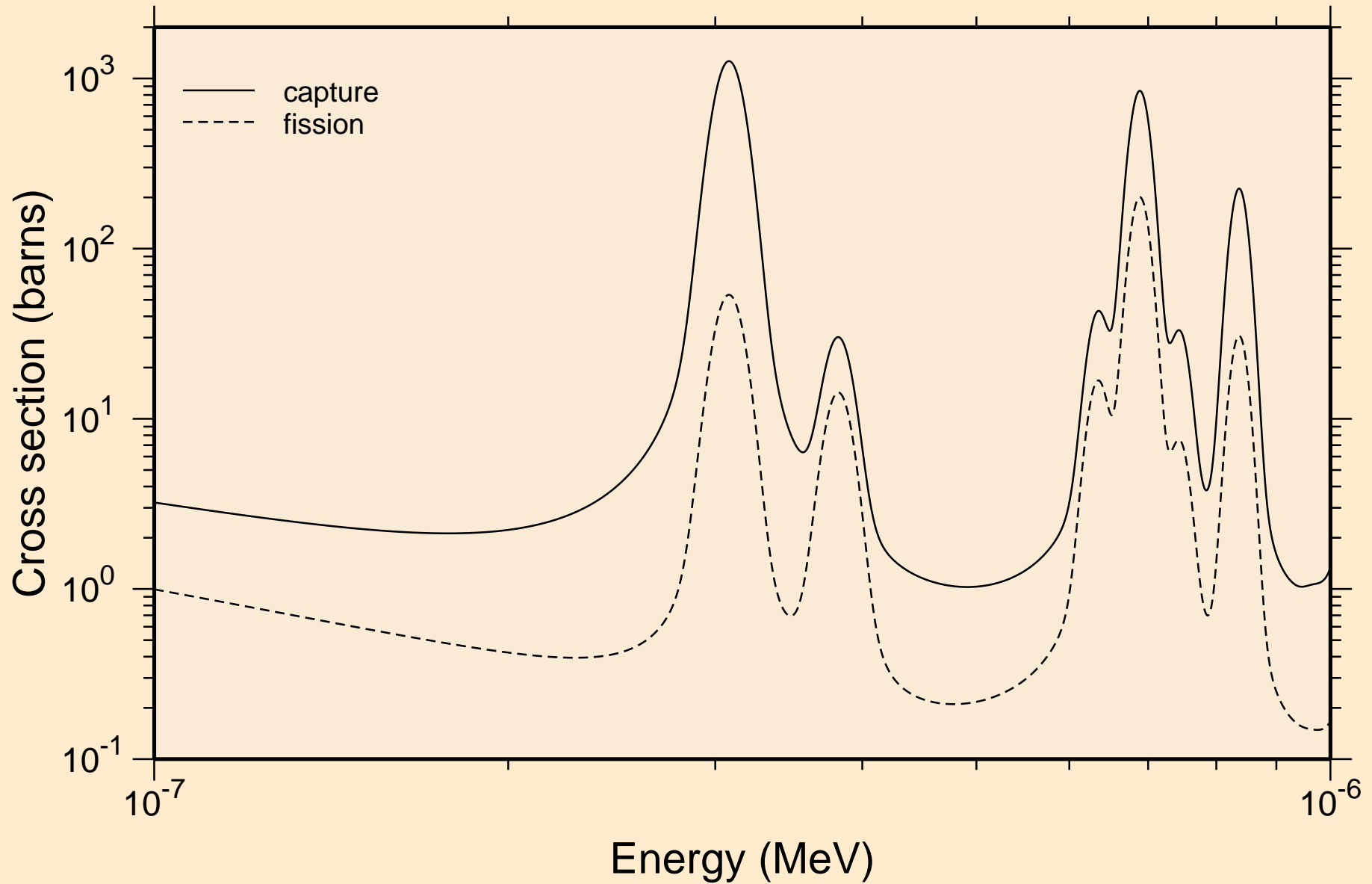
ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



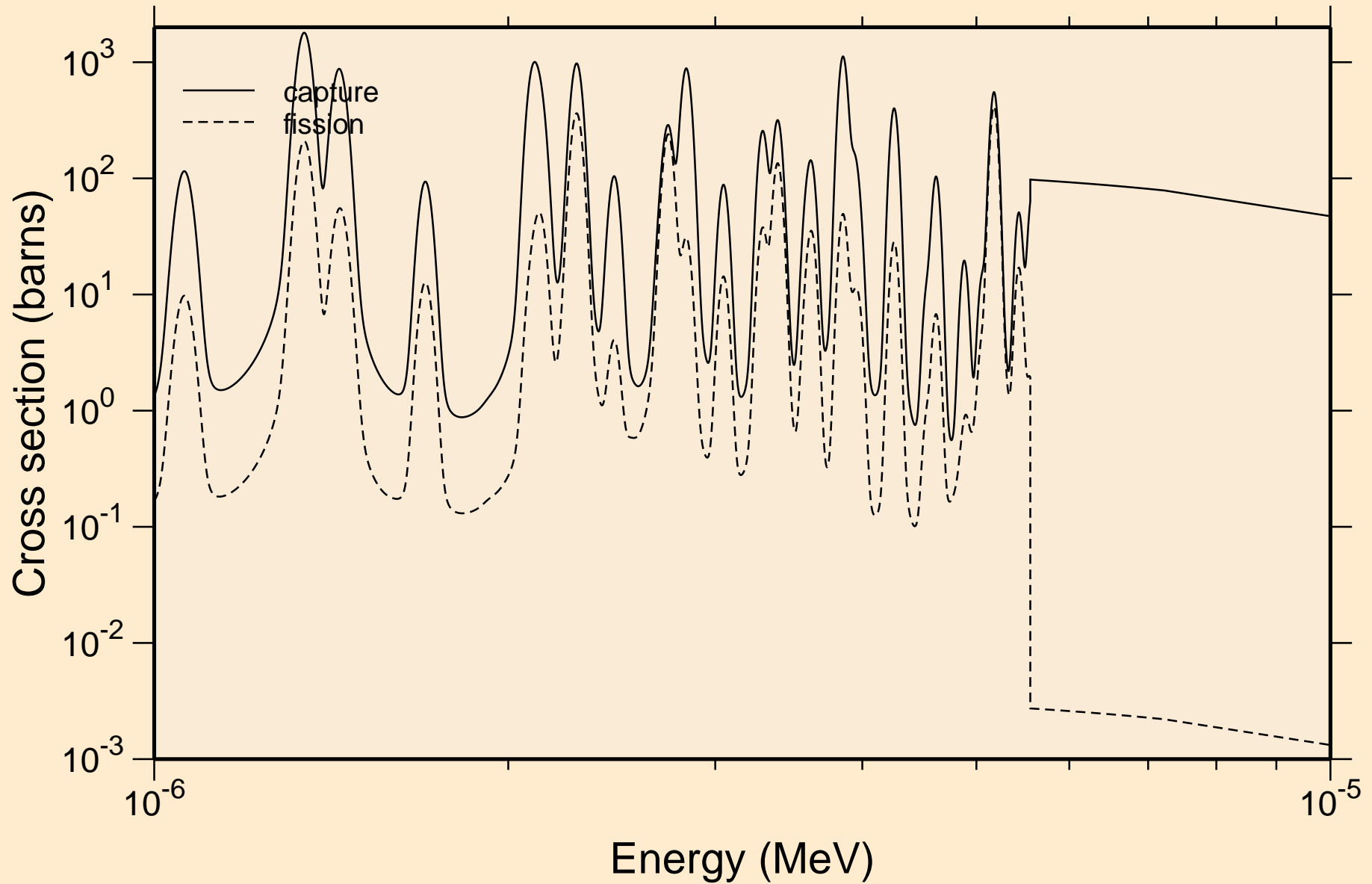
ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



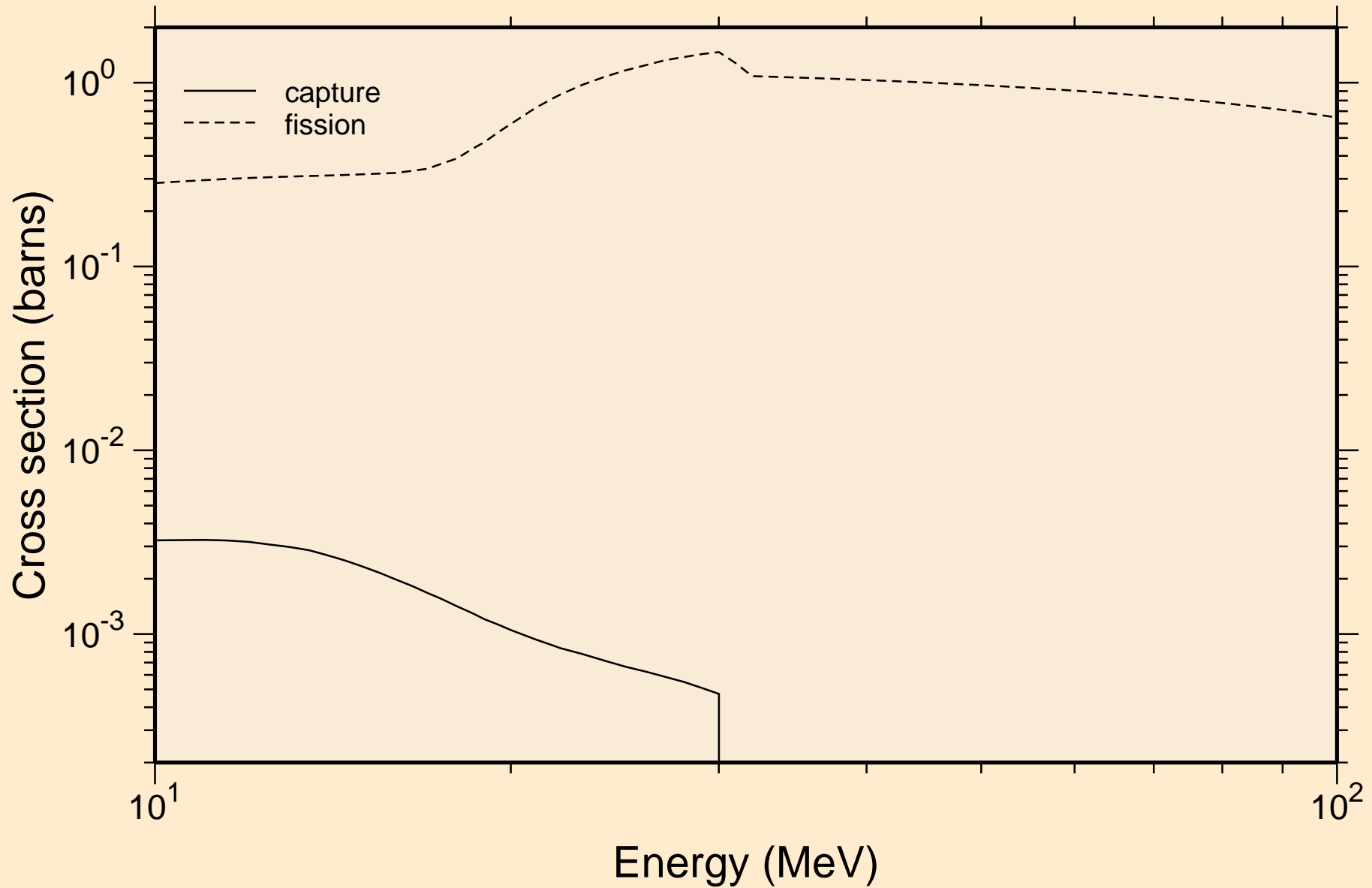
ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



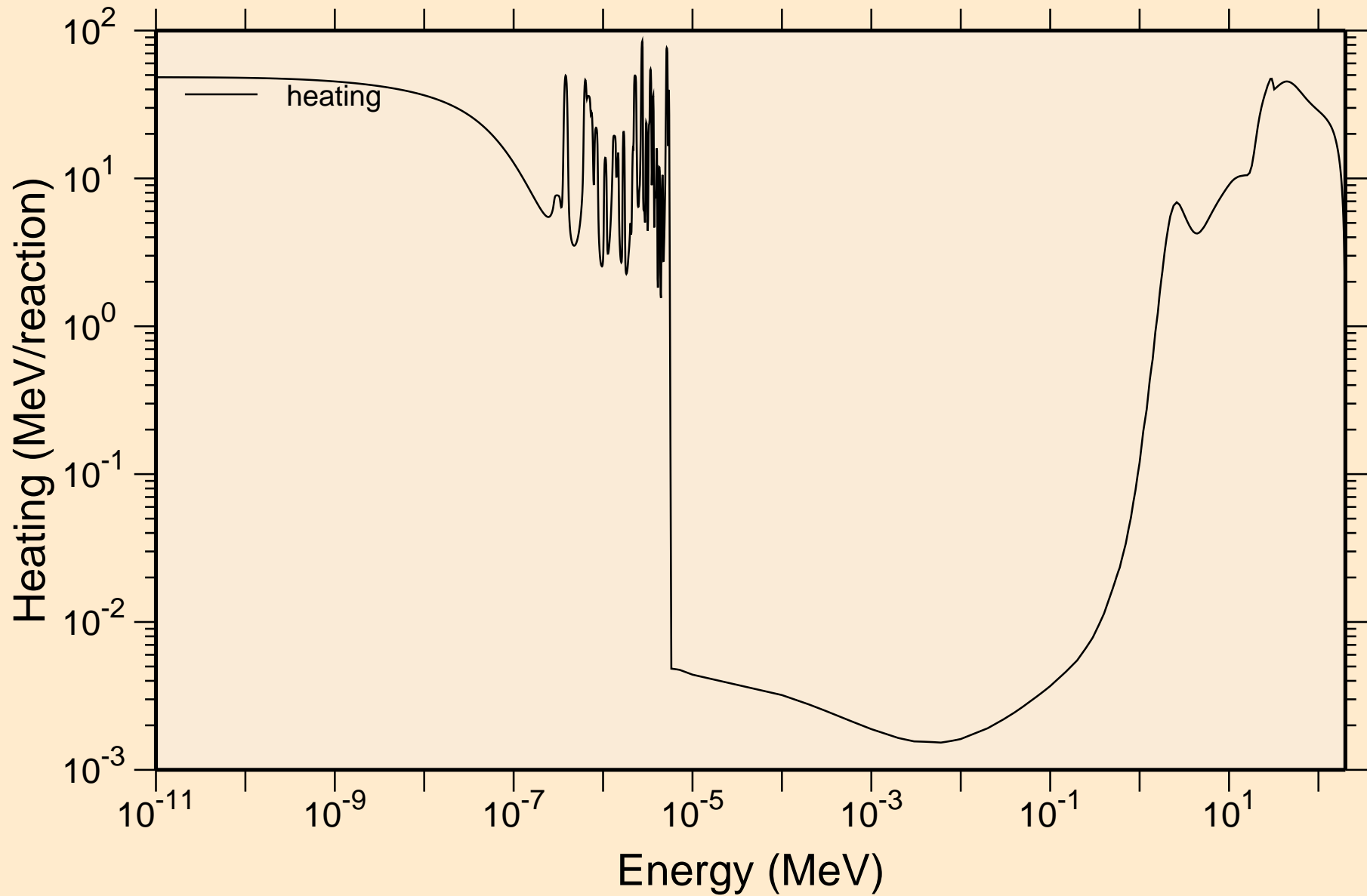
ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections





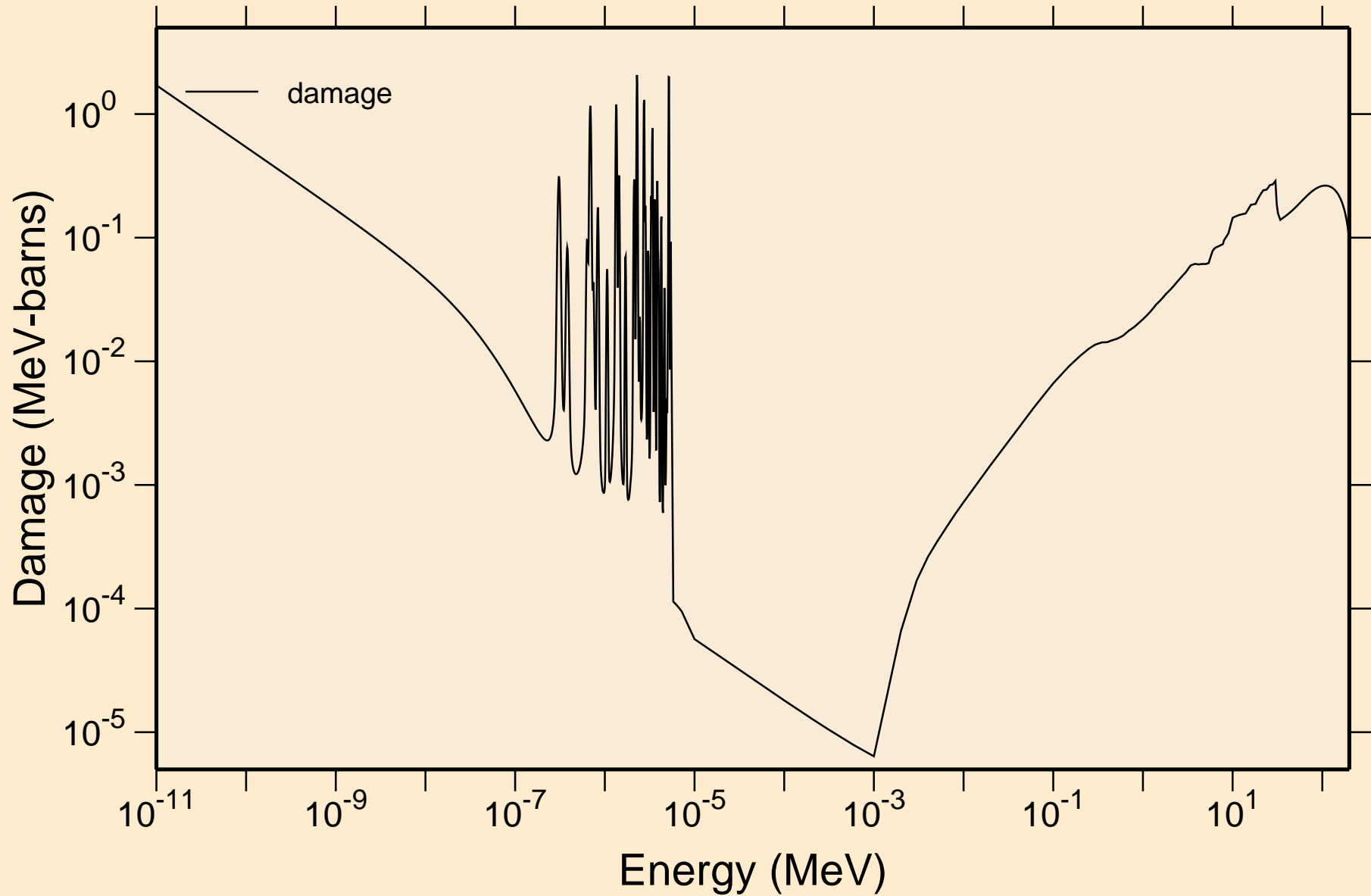
# ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Heating



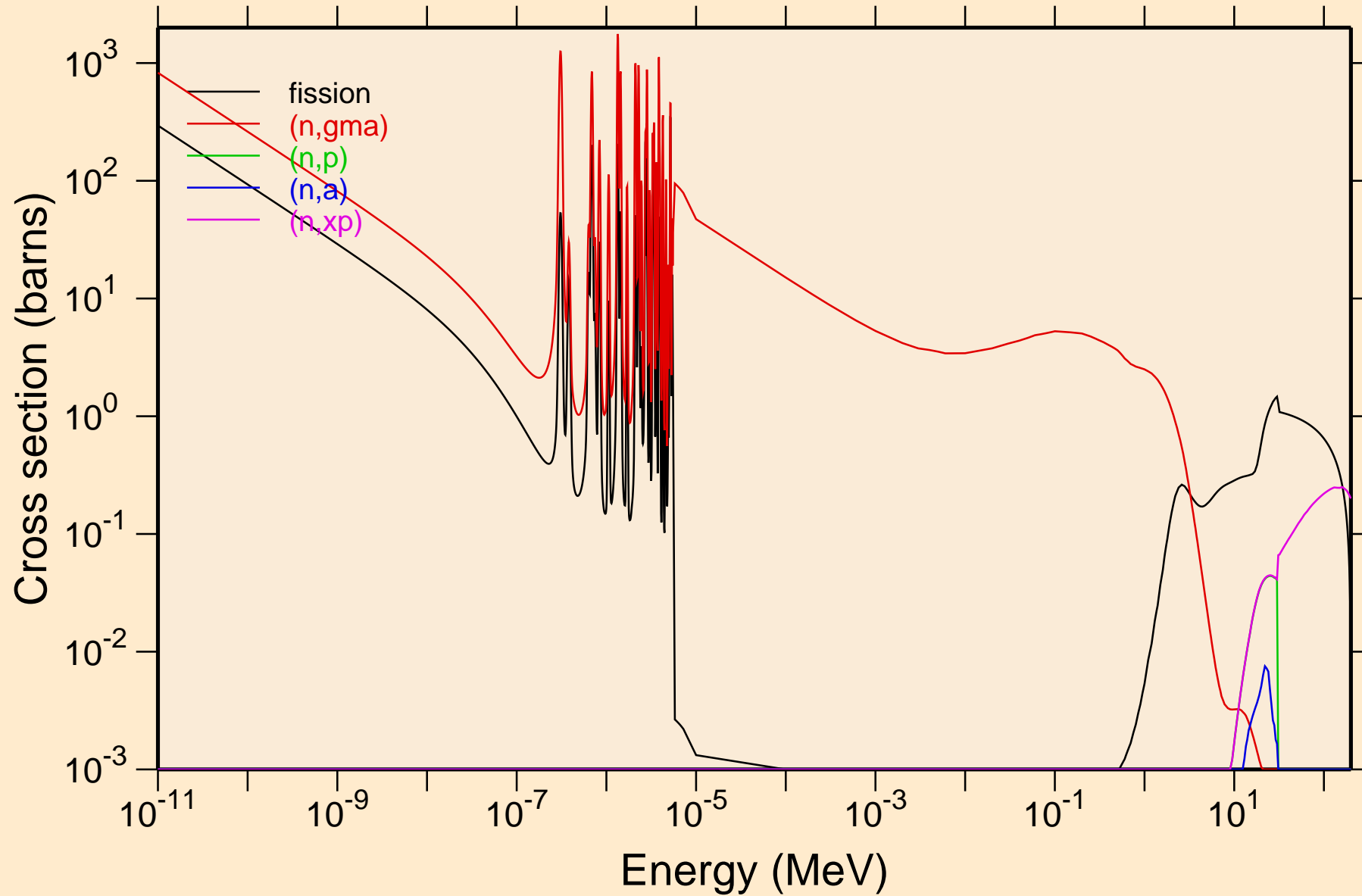
# ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Damage

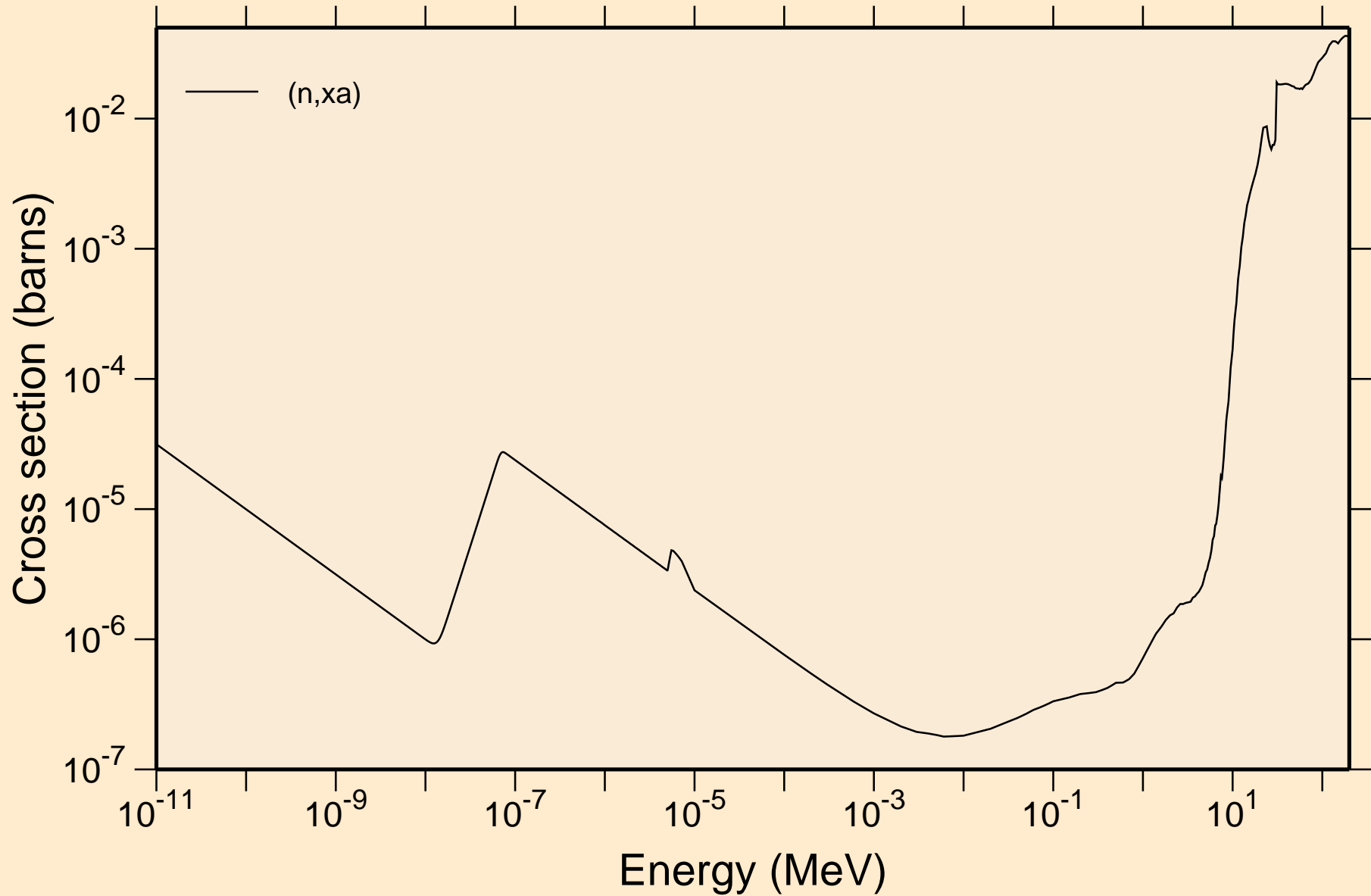


# ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Non-threshold reactions

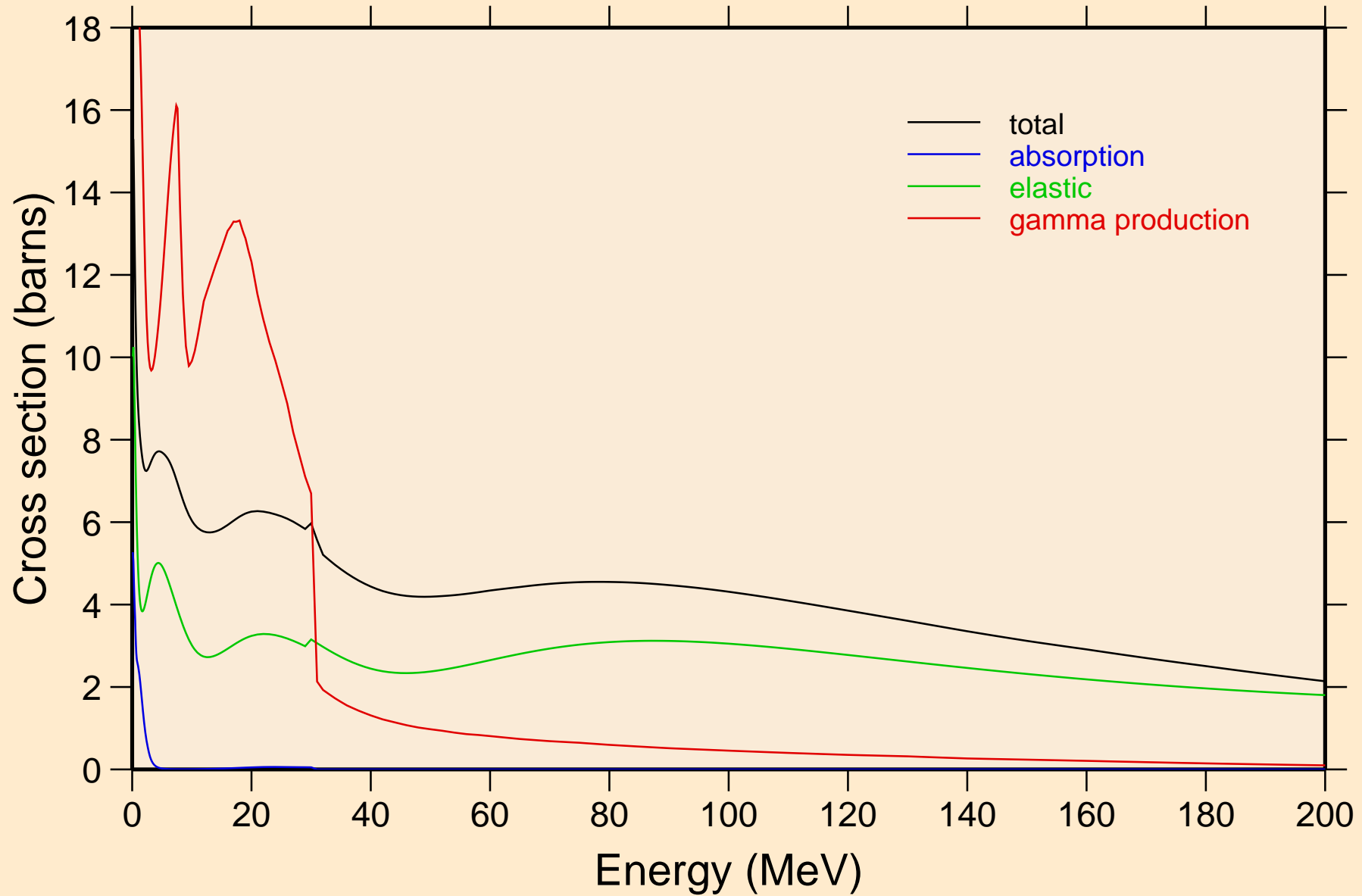


ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions



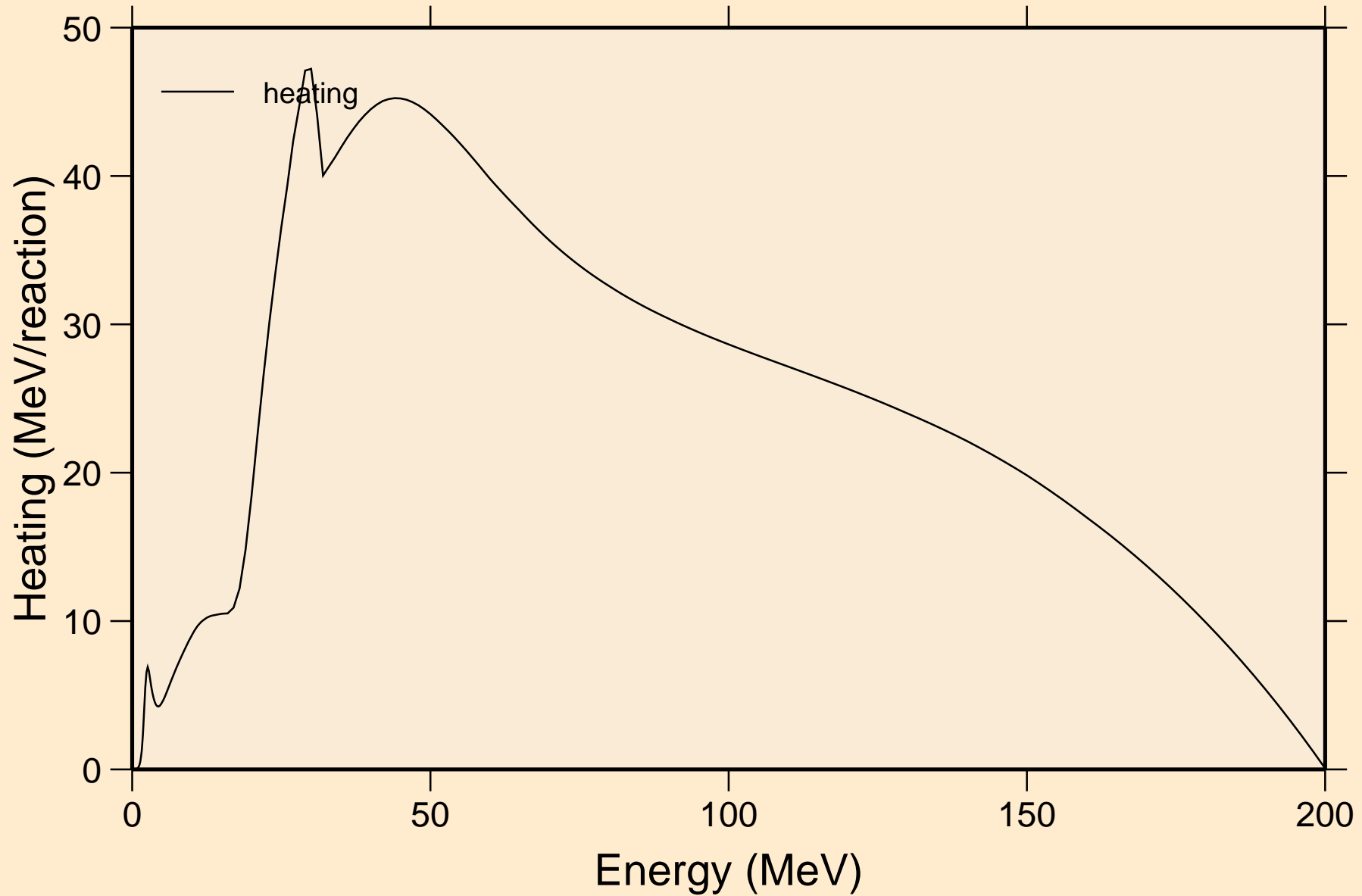
# ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Principal cross sections

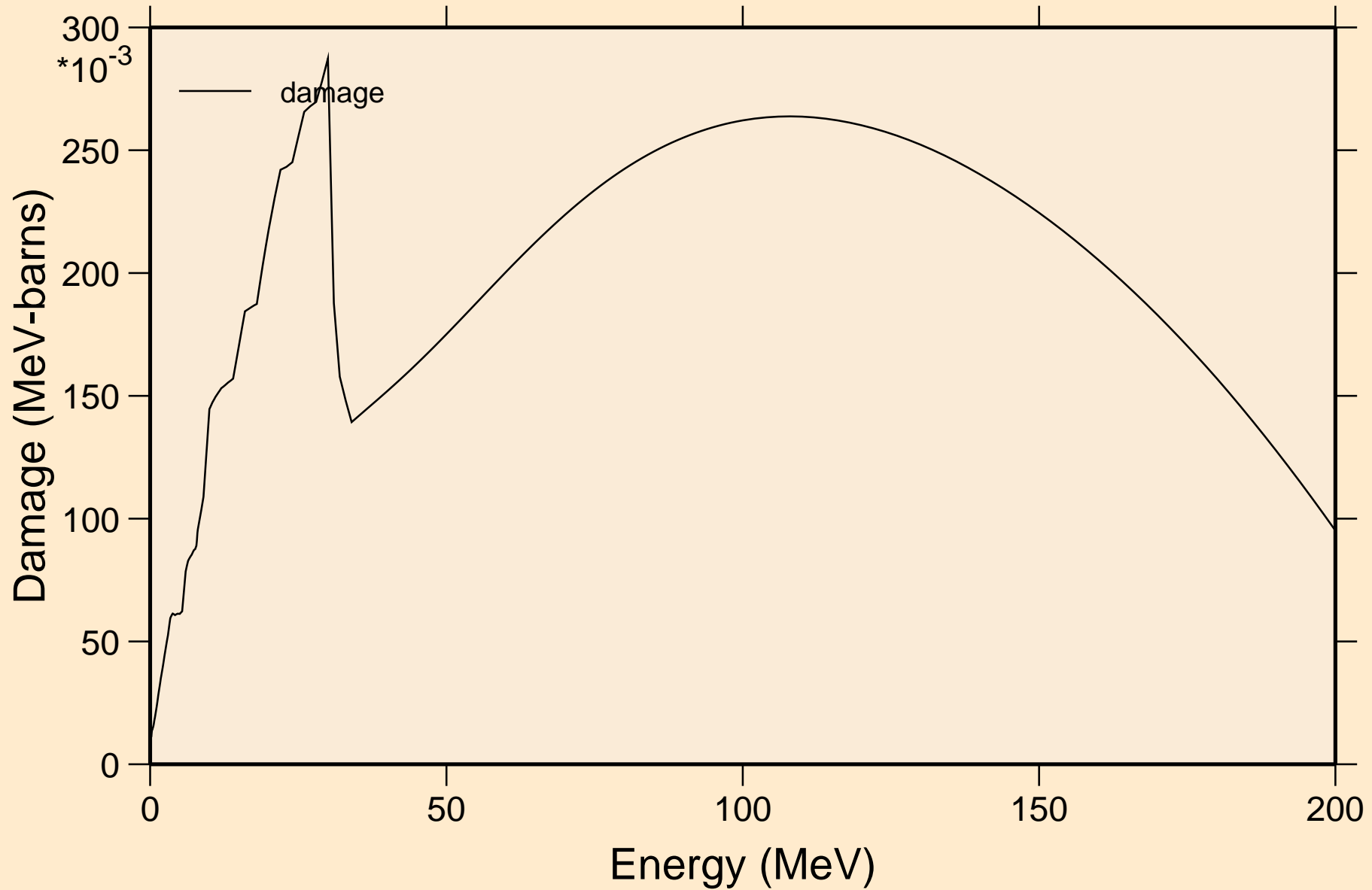


# ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Heating

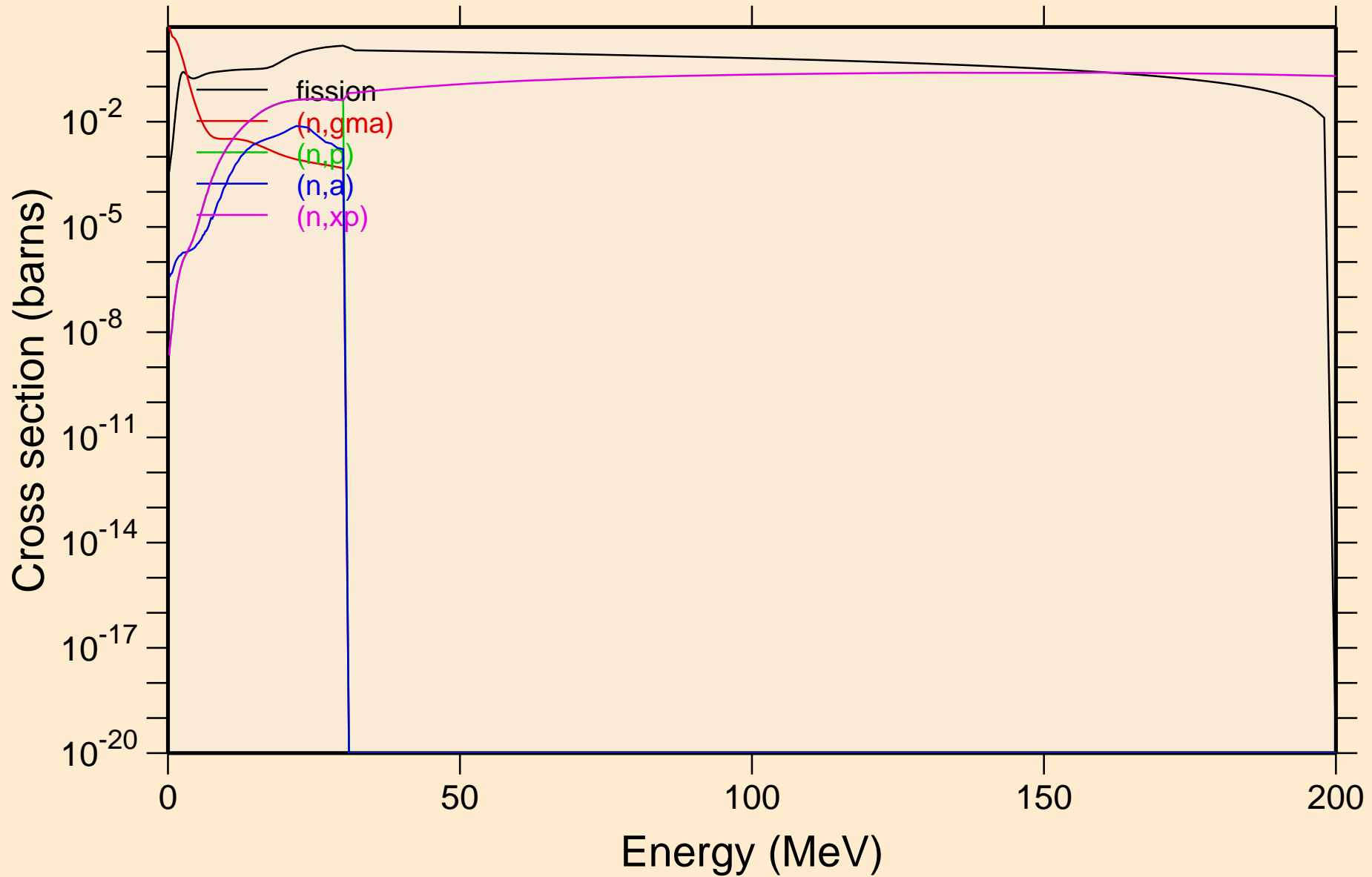


ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Damage



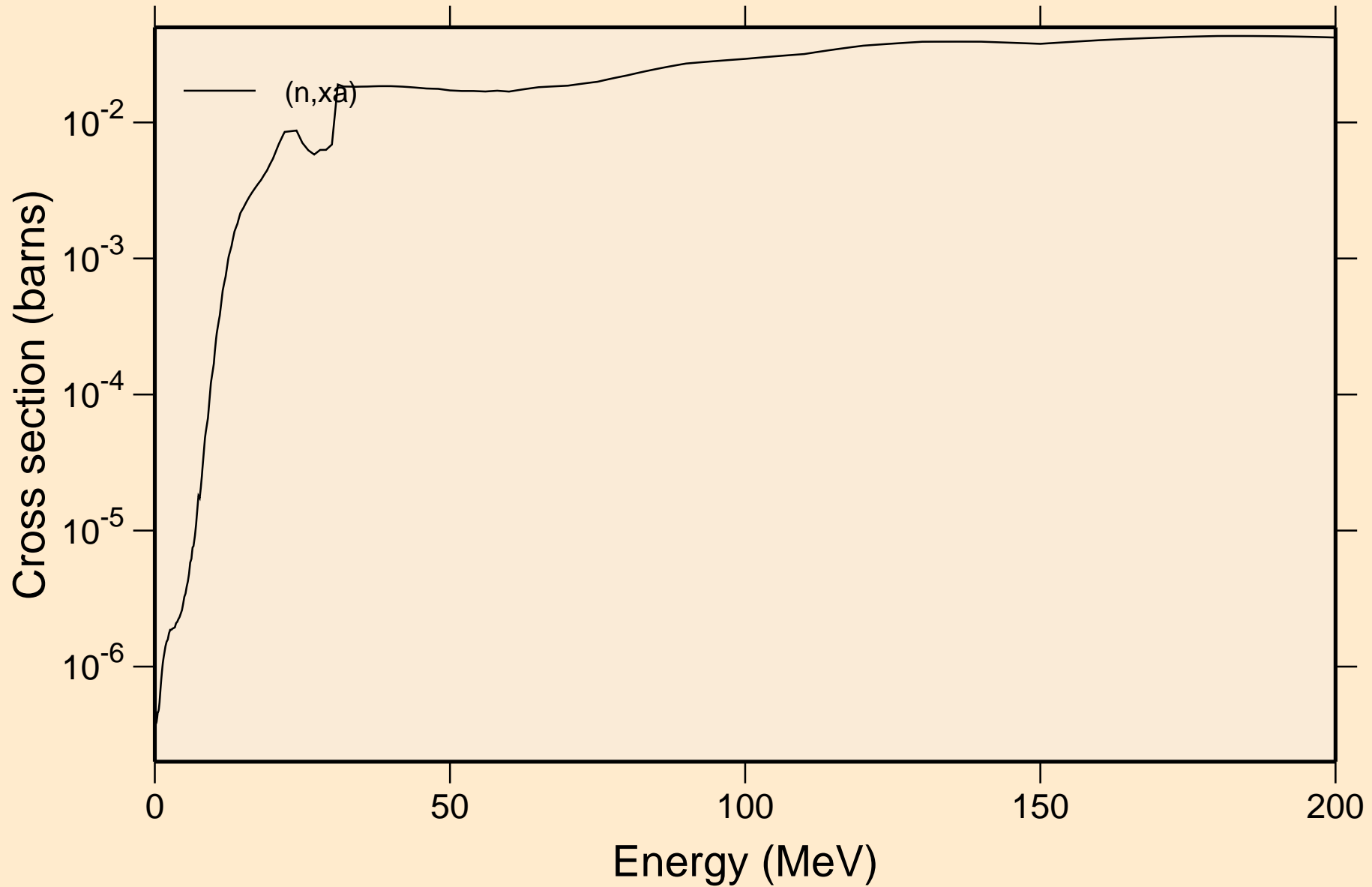
# ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Non-threshold reactions

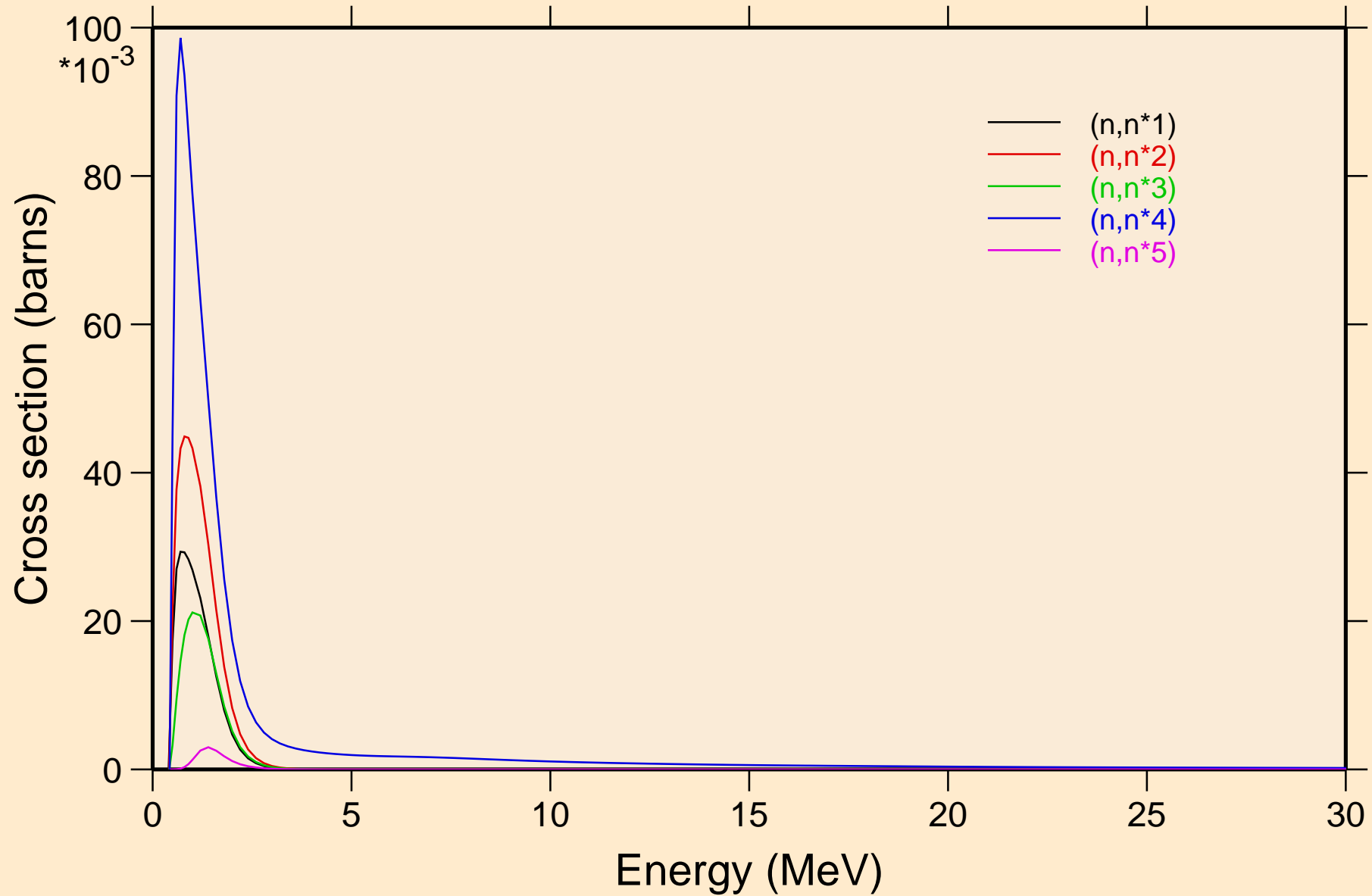




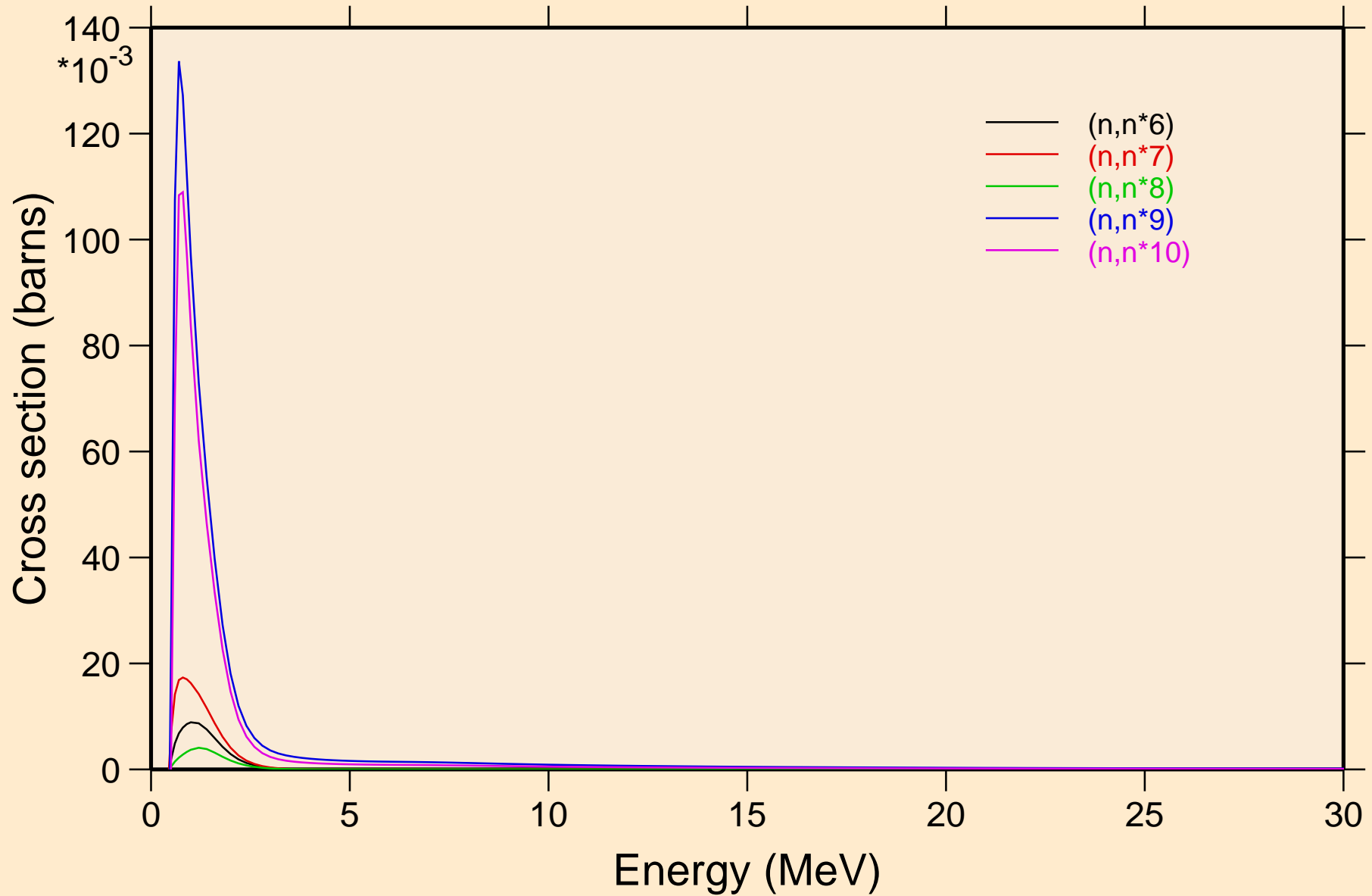
ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions



ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels

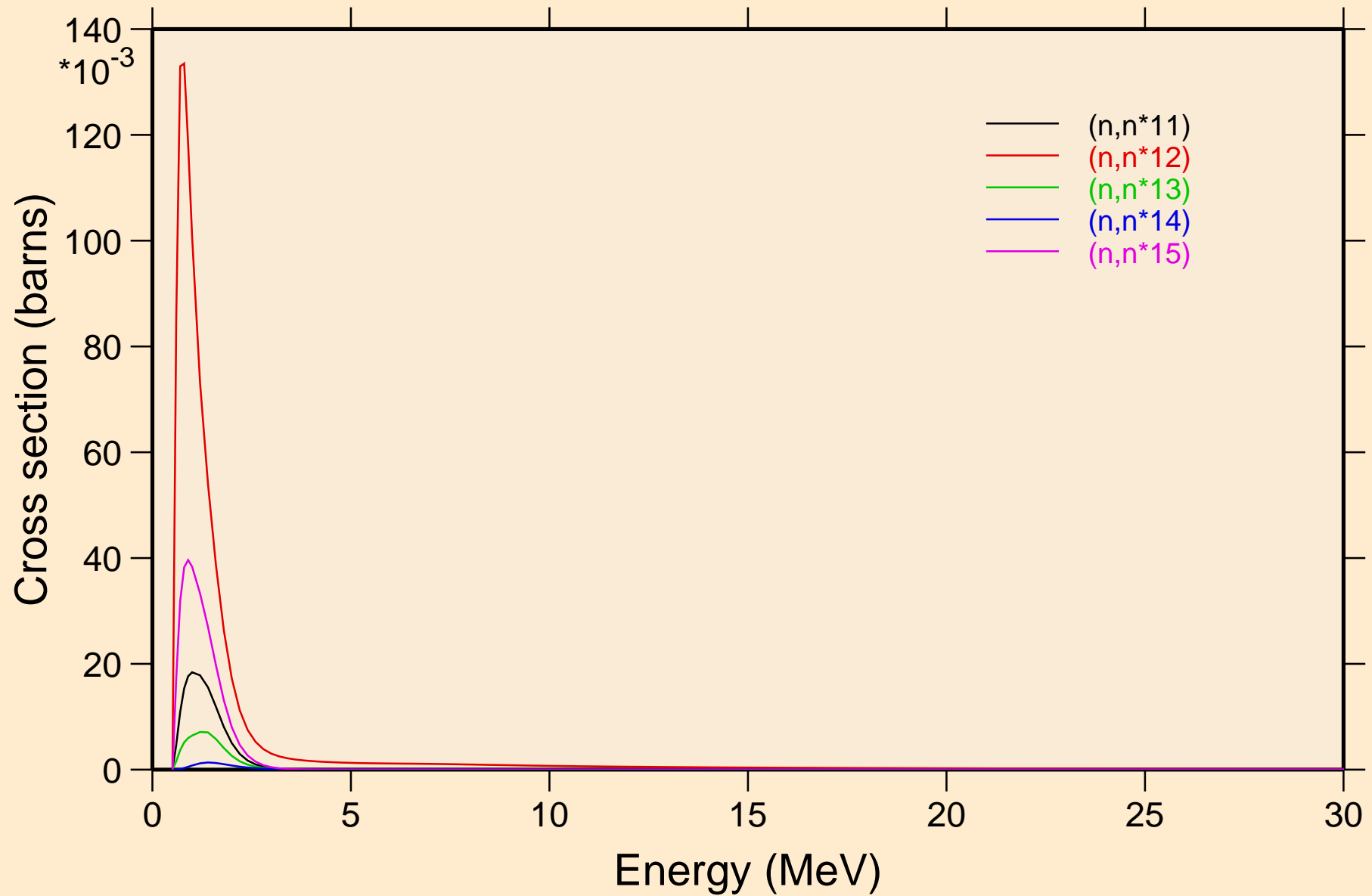


ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels

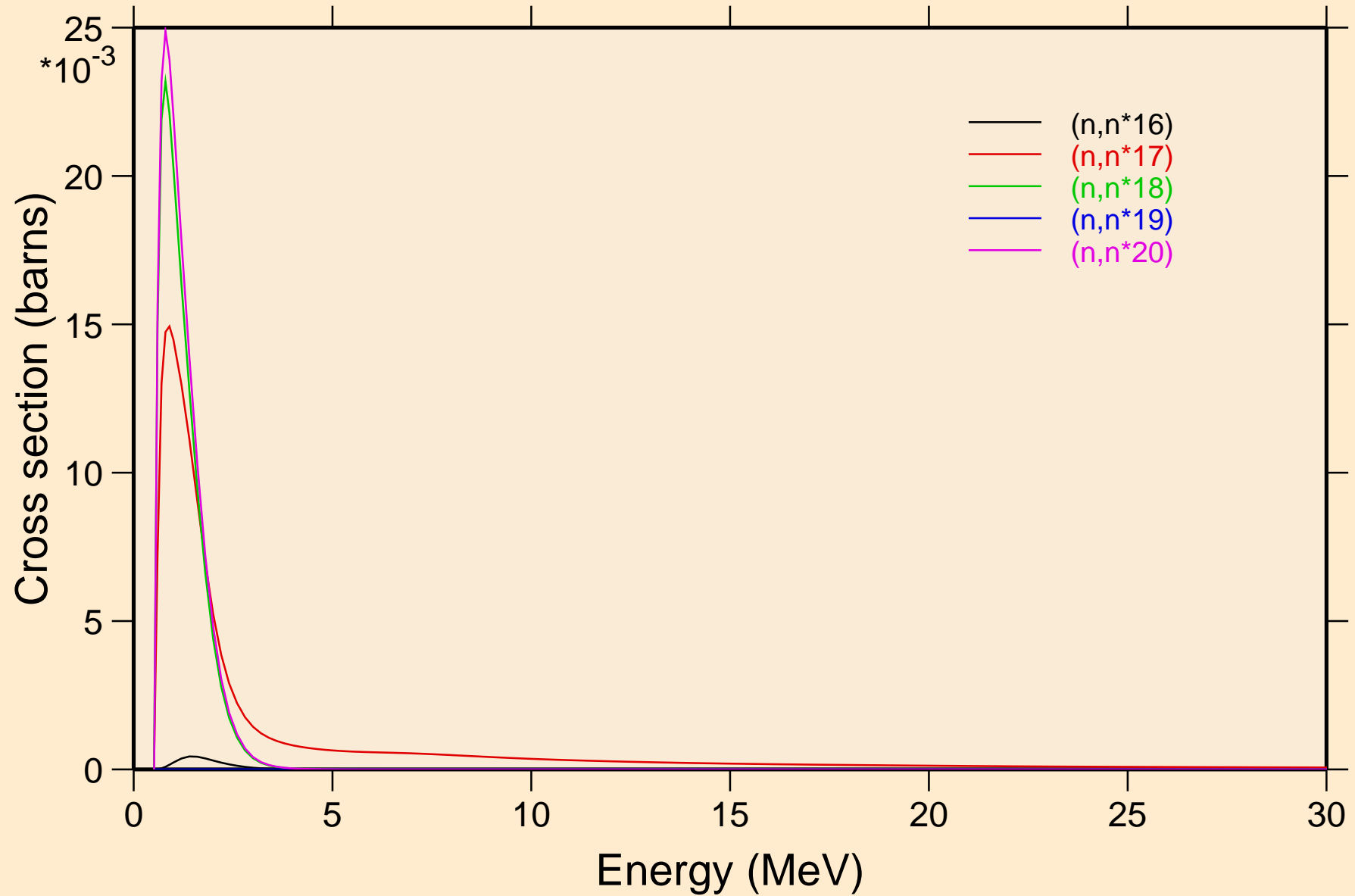


# ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

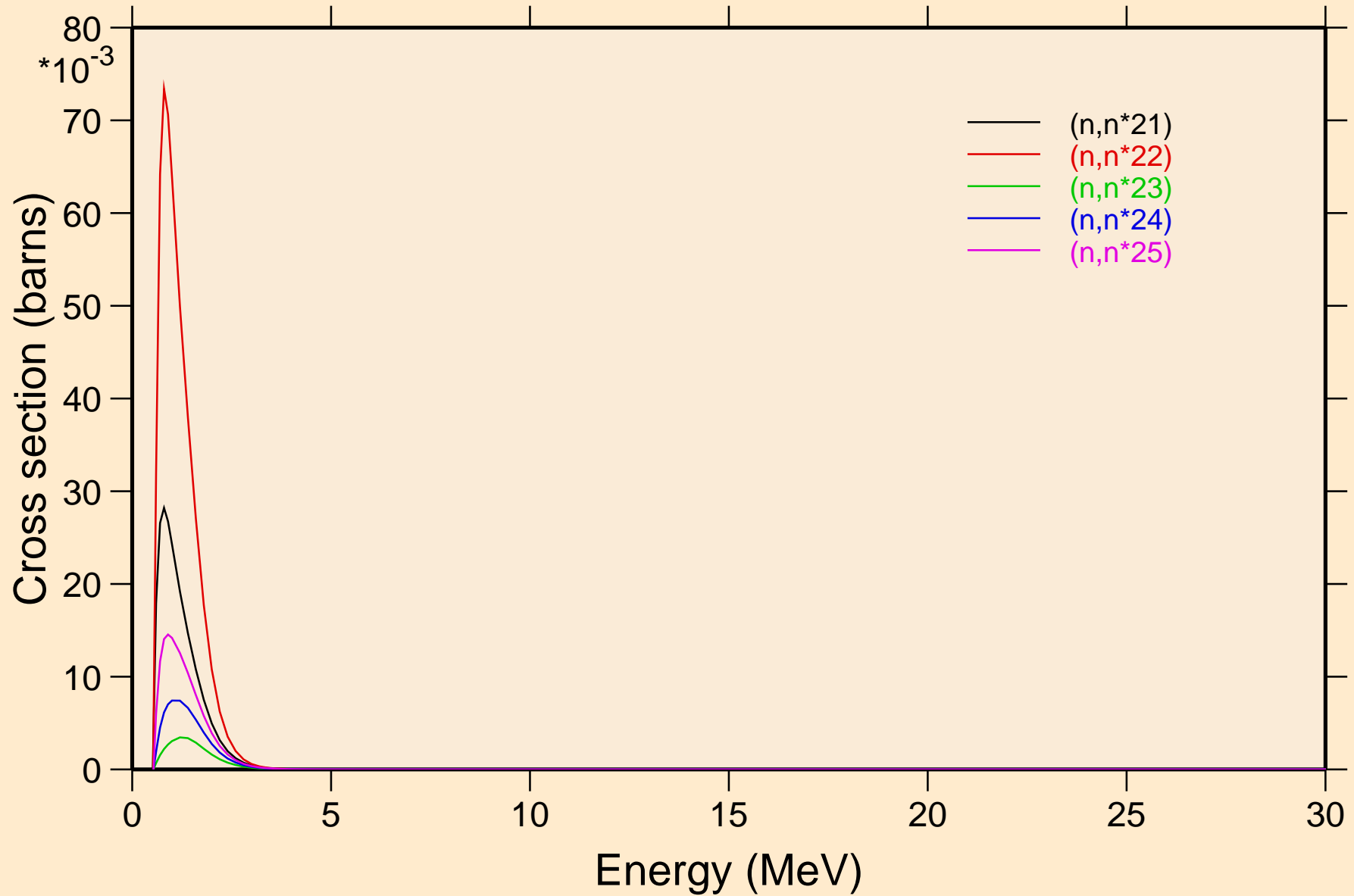
## Inelastic levels



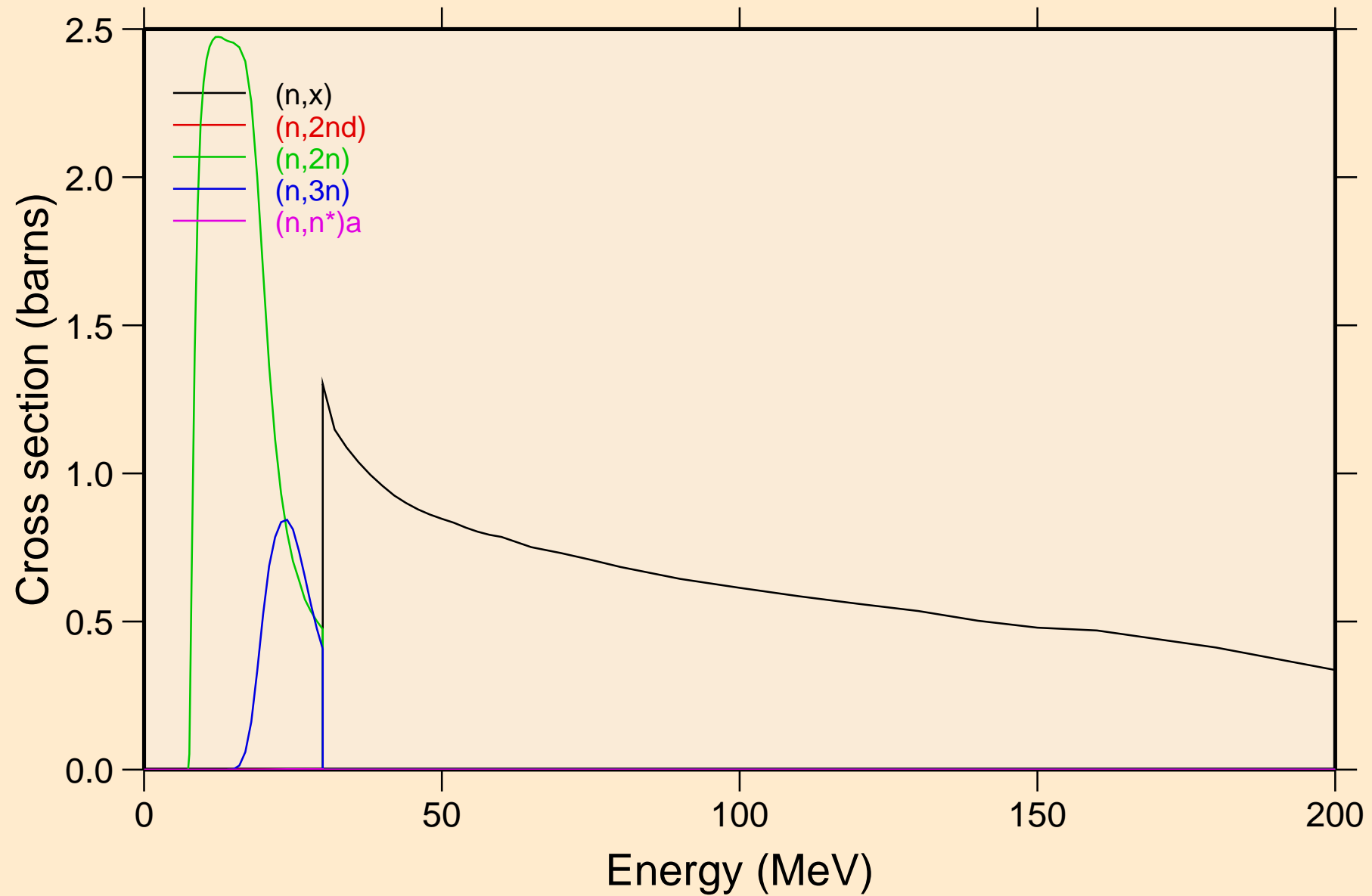
ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels

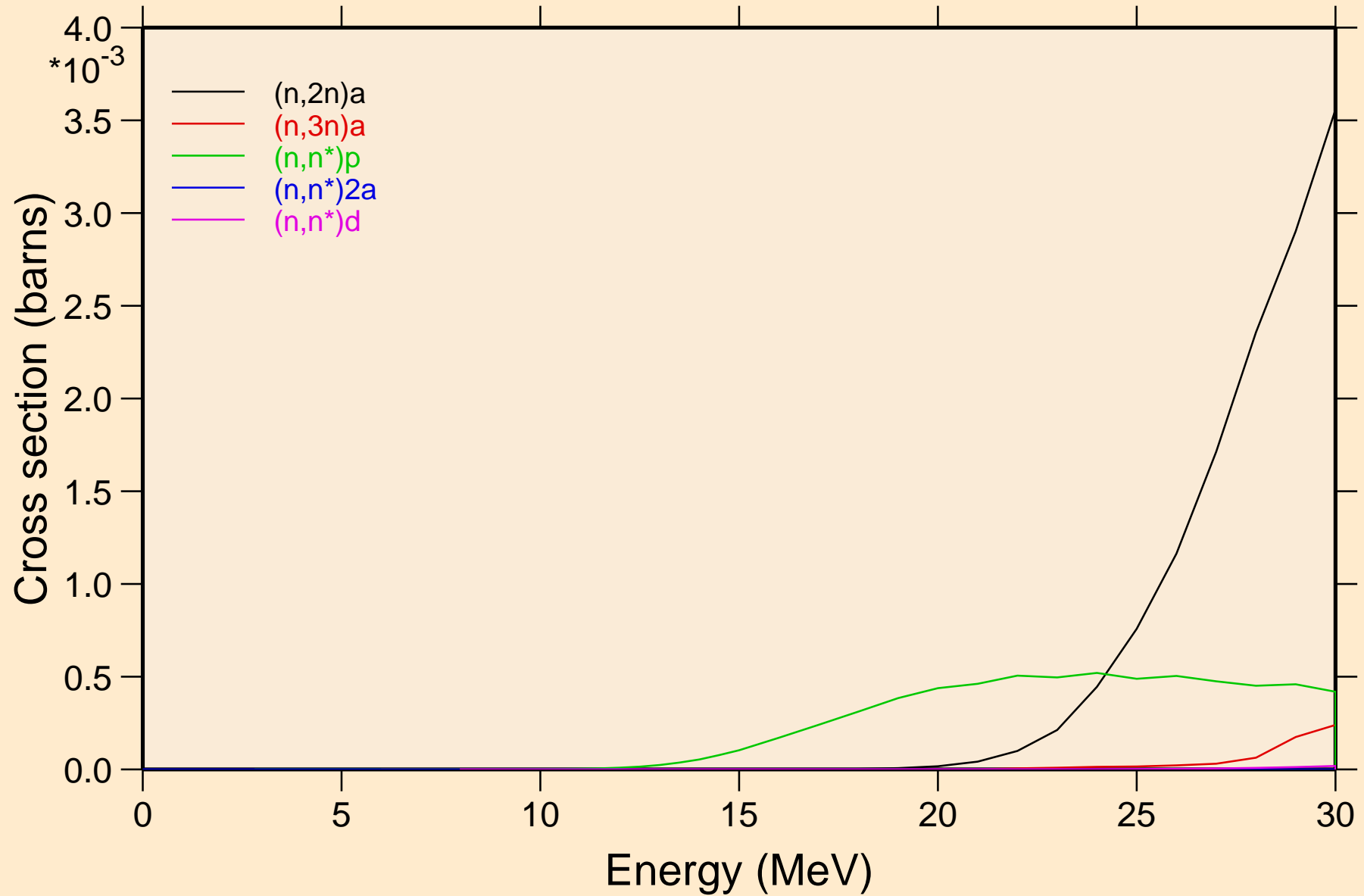


ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



# ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

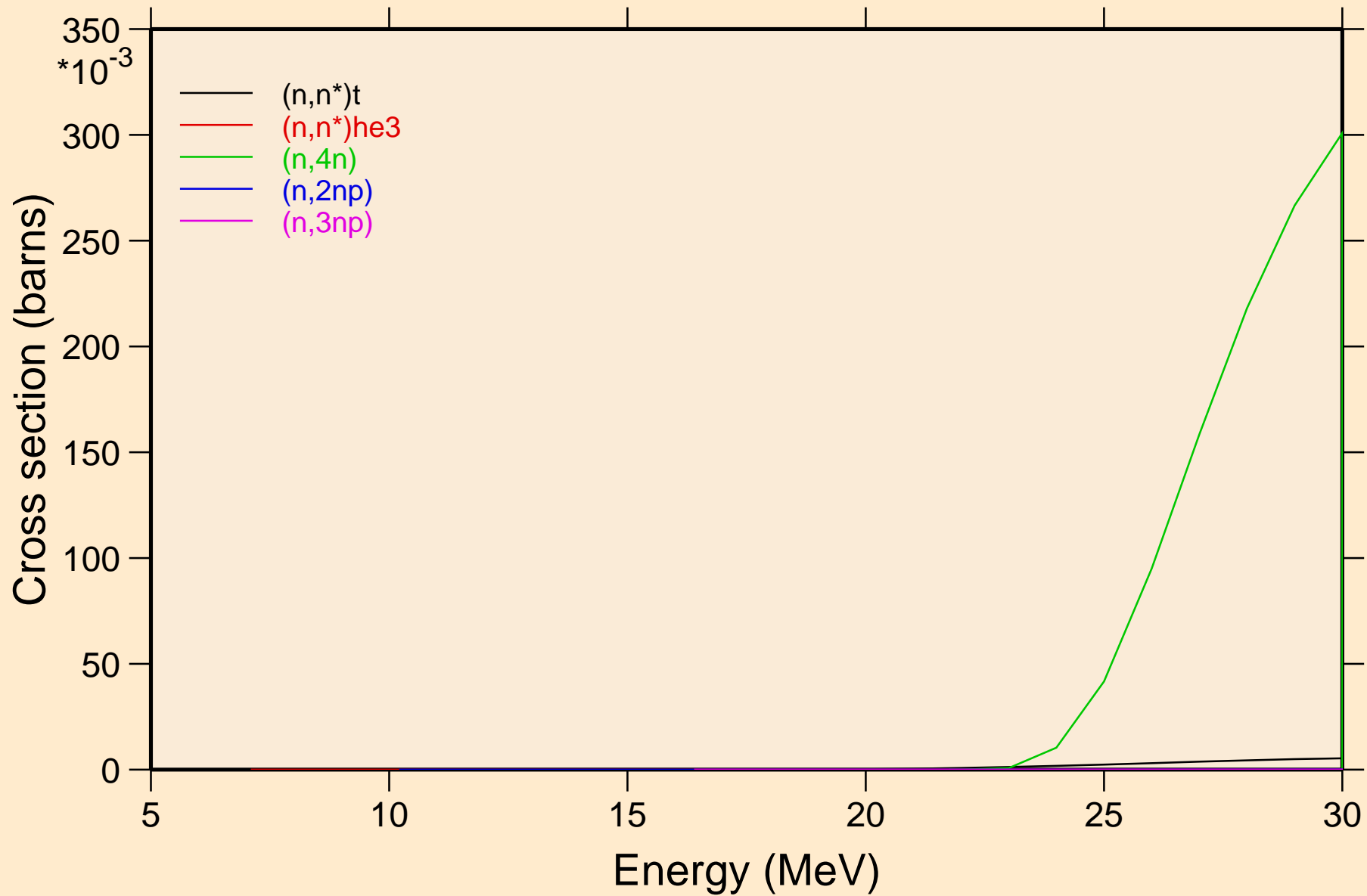
## Threshold reactions



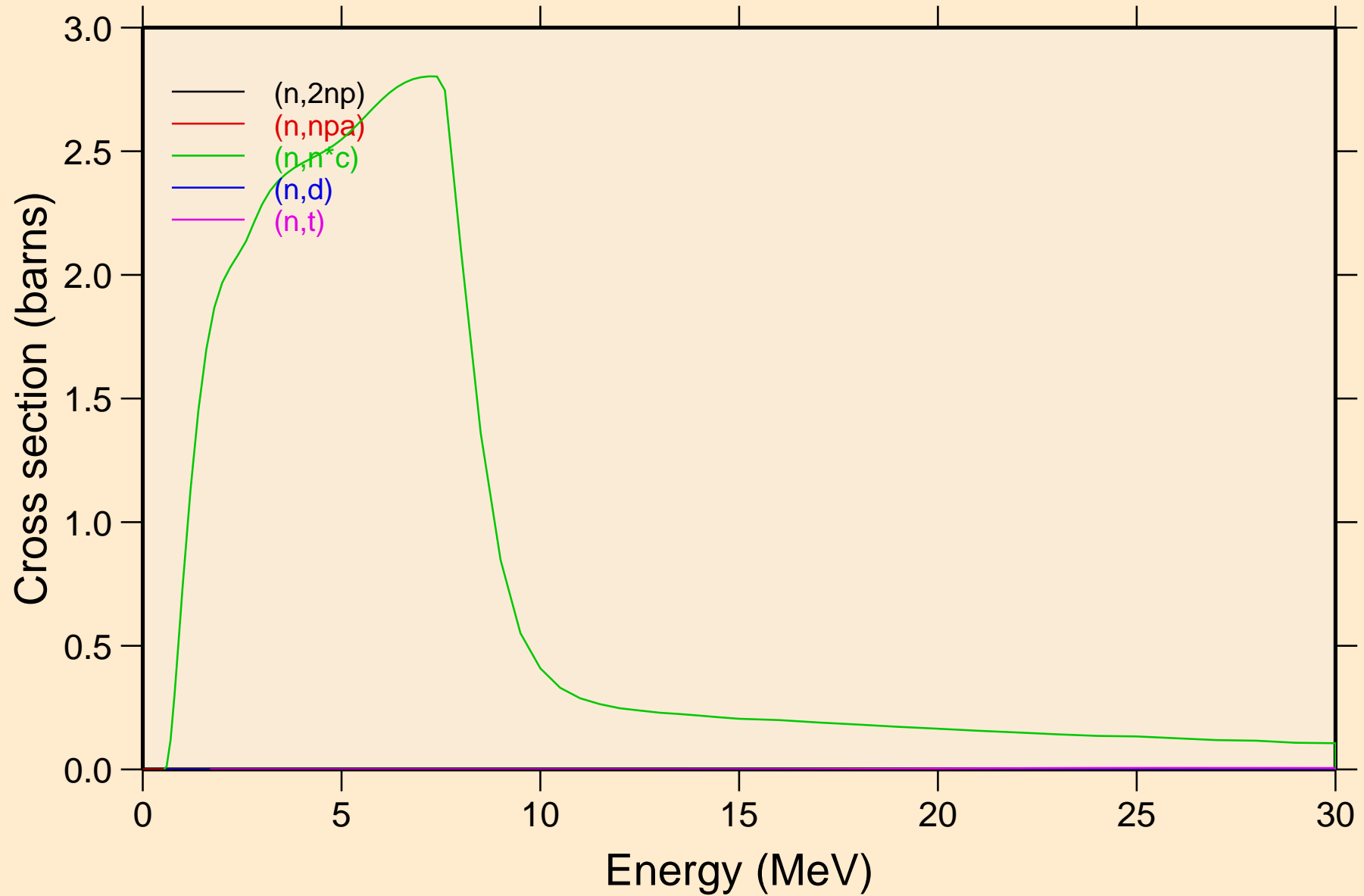


# ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Threshold reactions

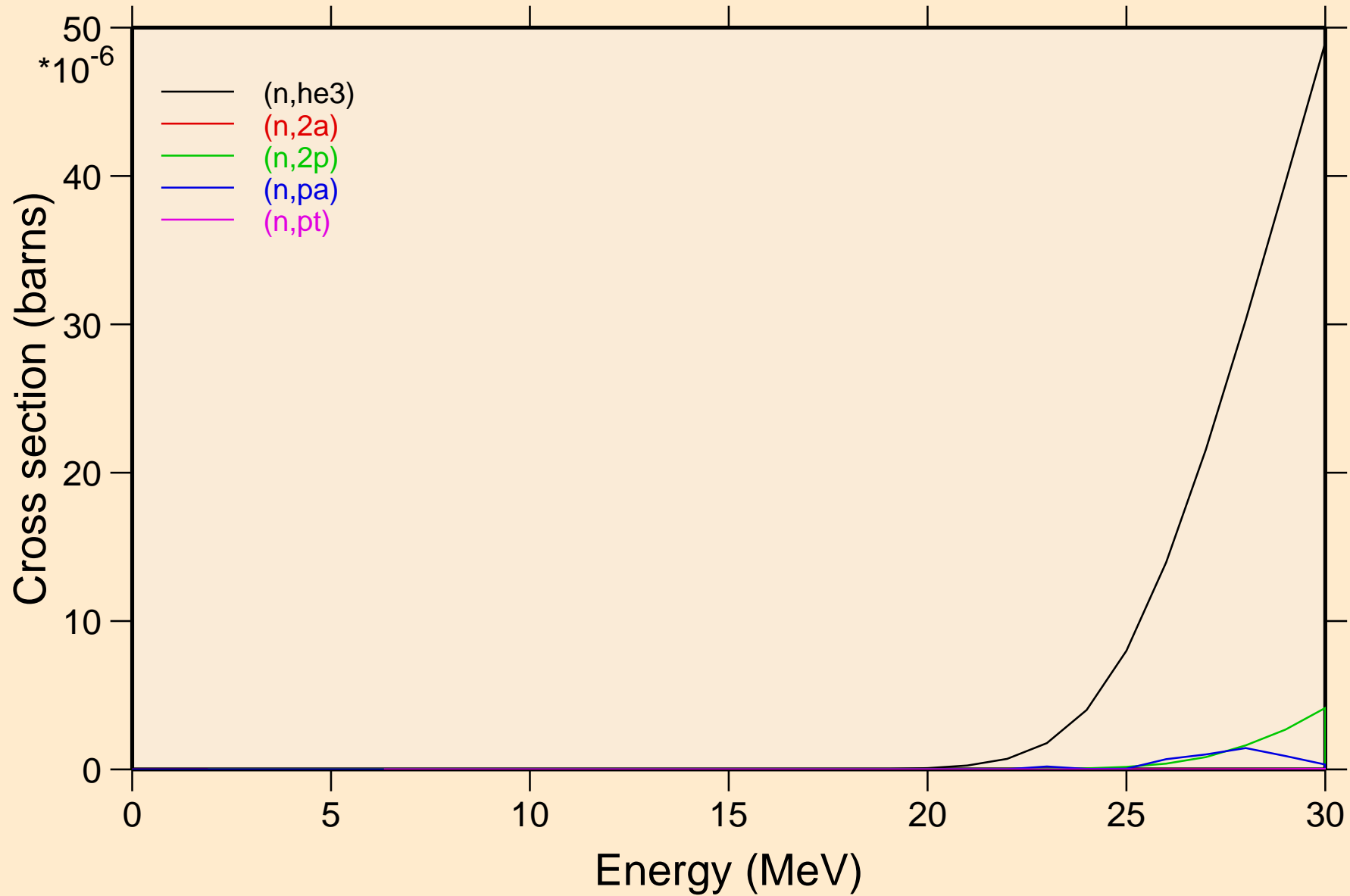


ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



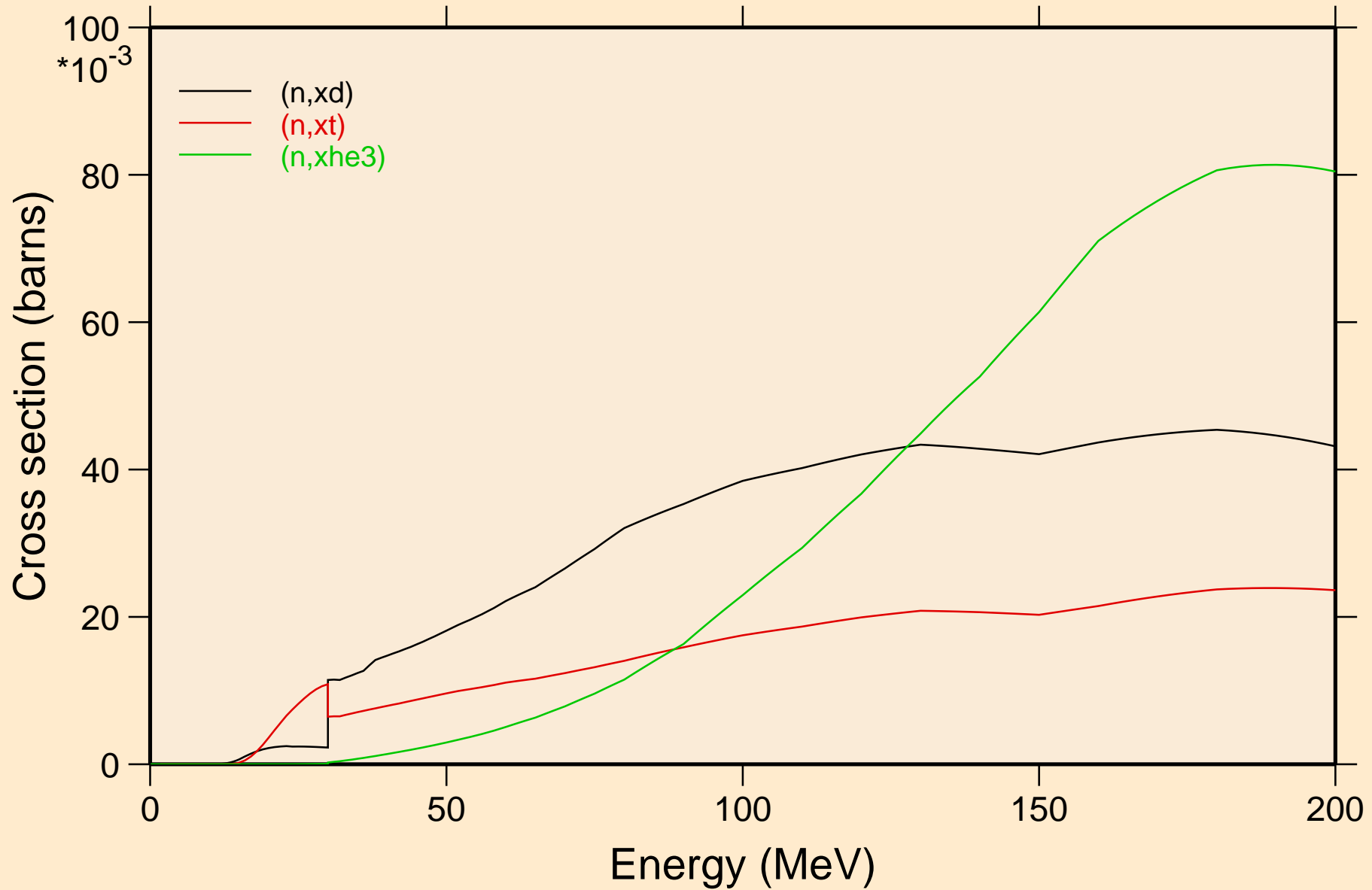
# ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Threshold reactions

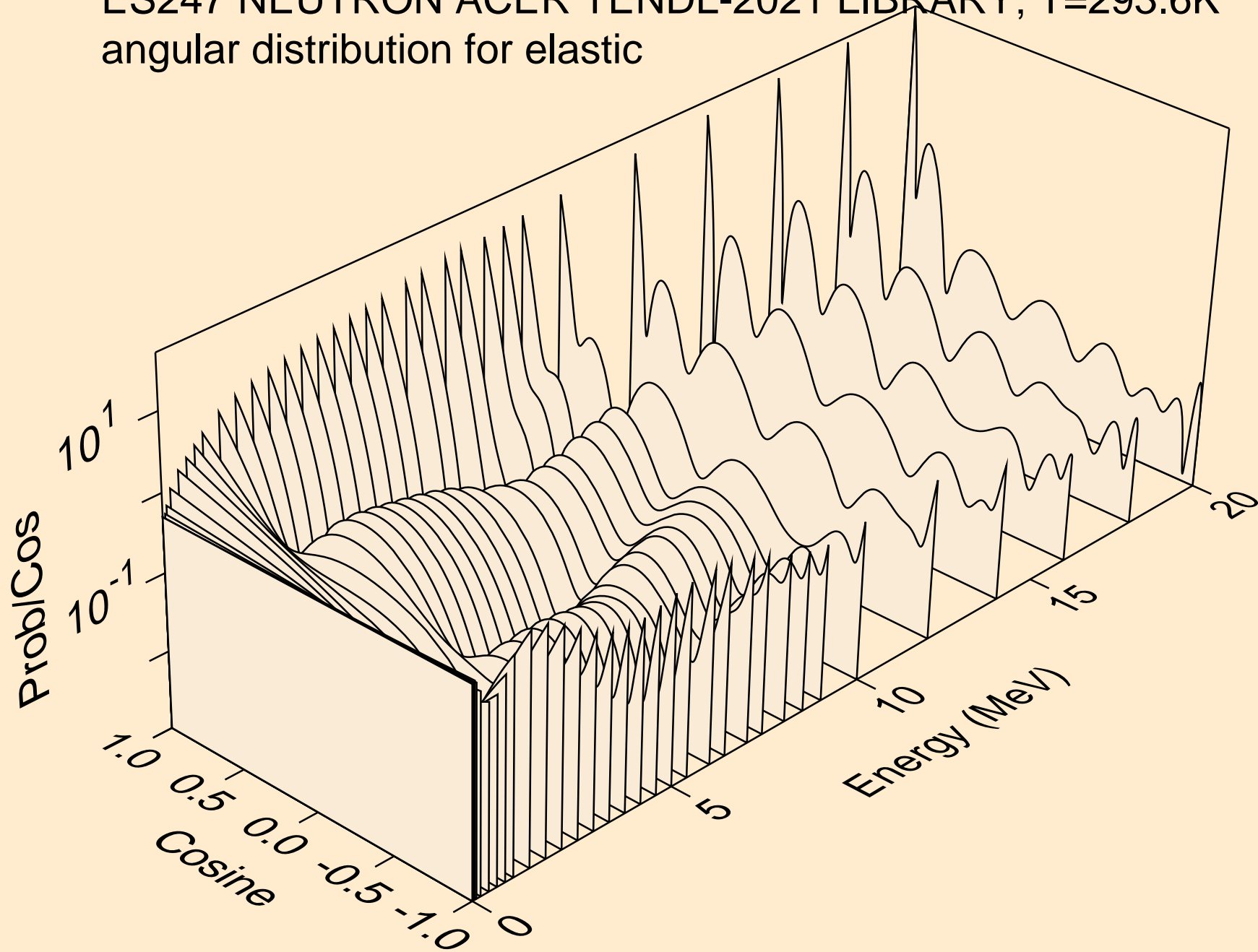


# ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

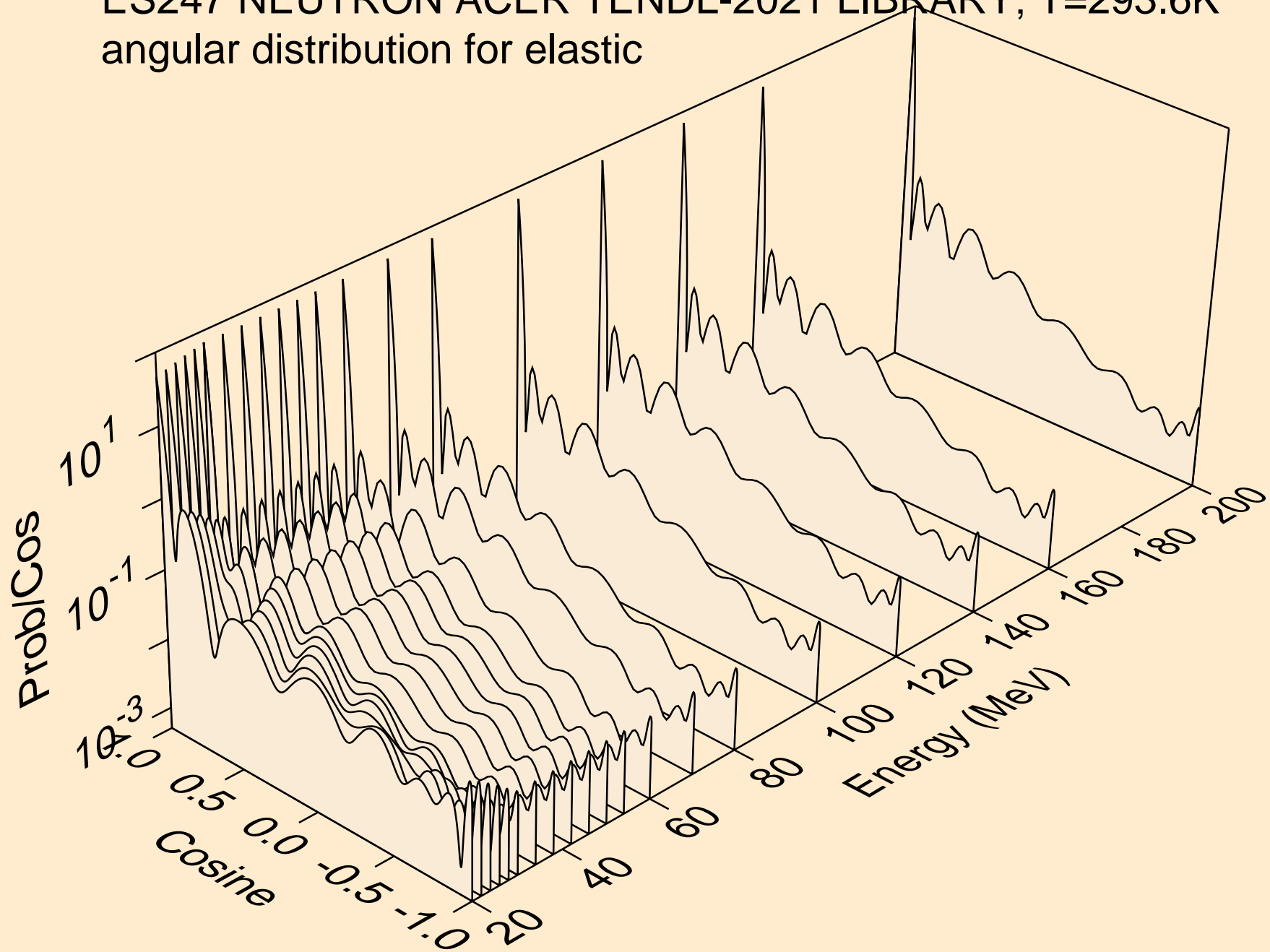
## Threshold reactions



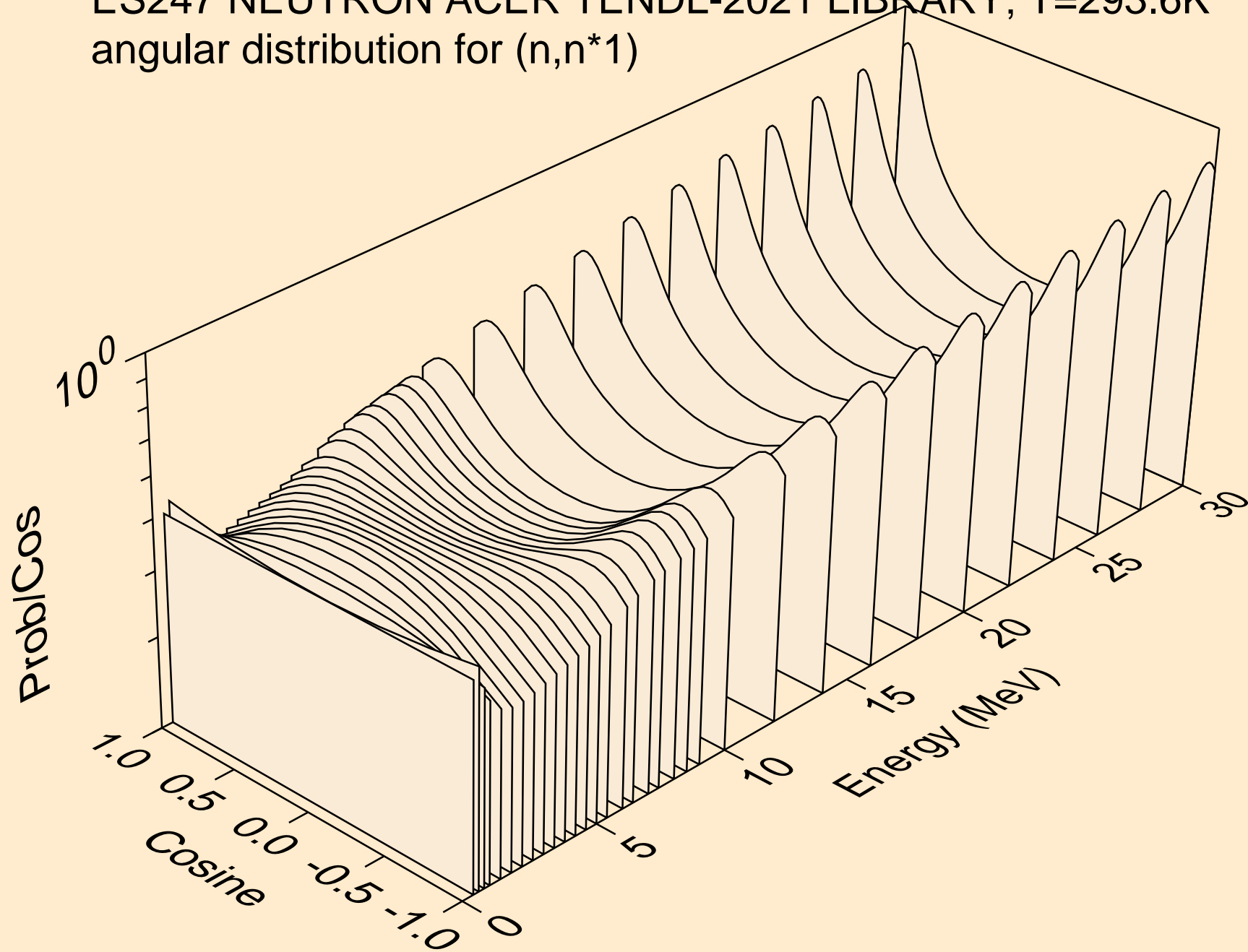
ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for elastic



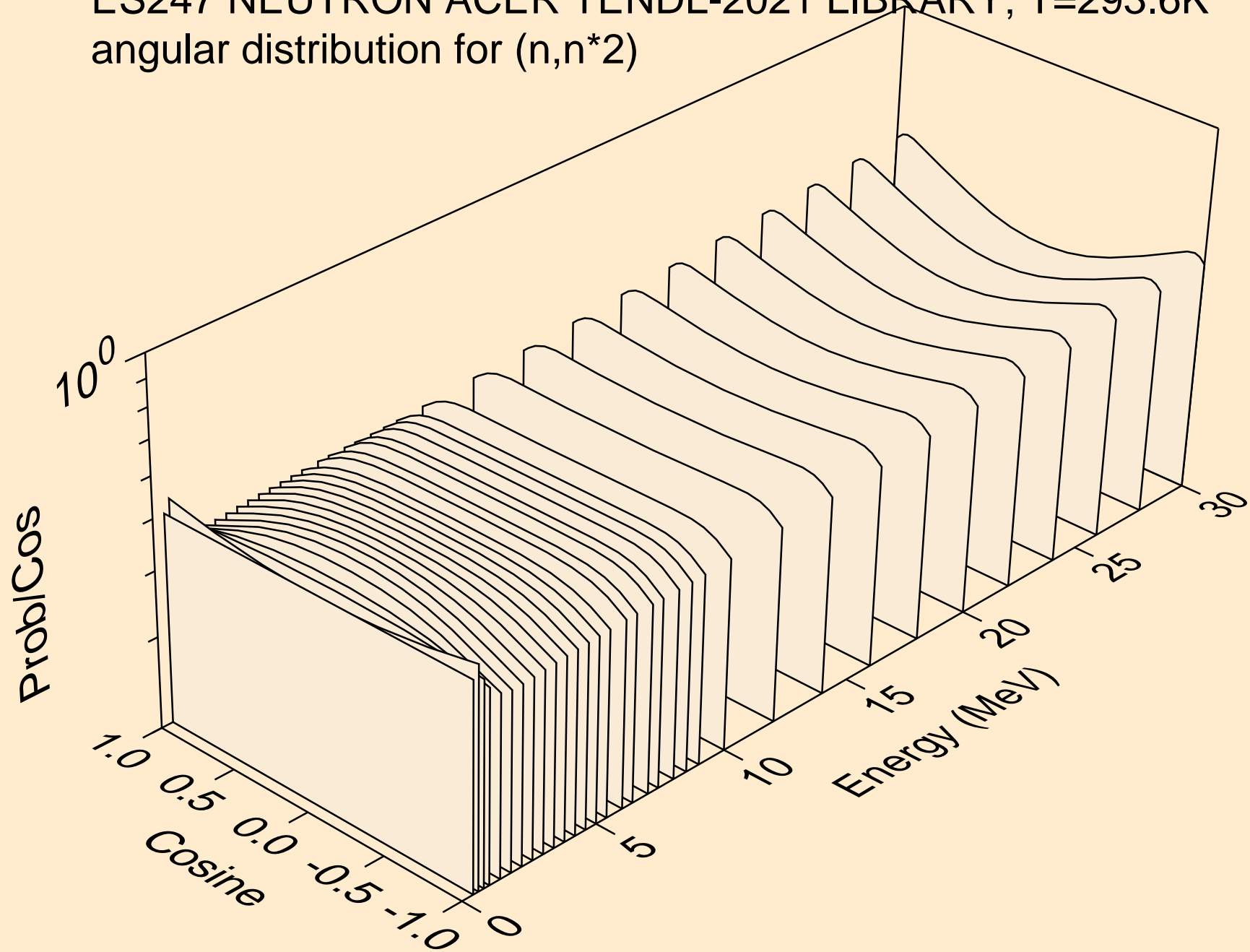
ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for elastic



ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*1)

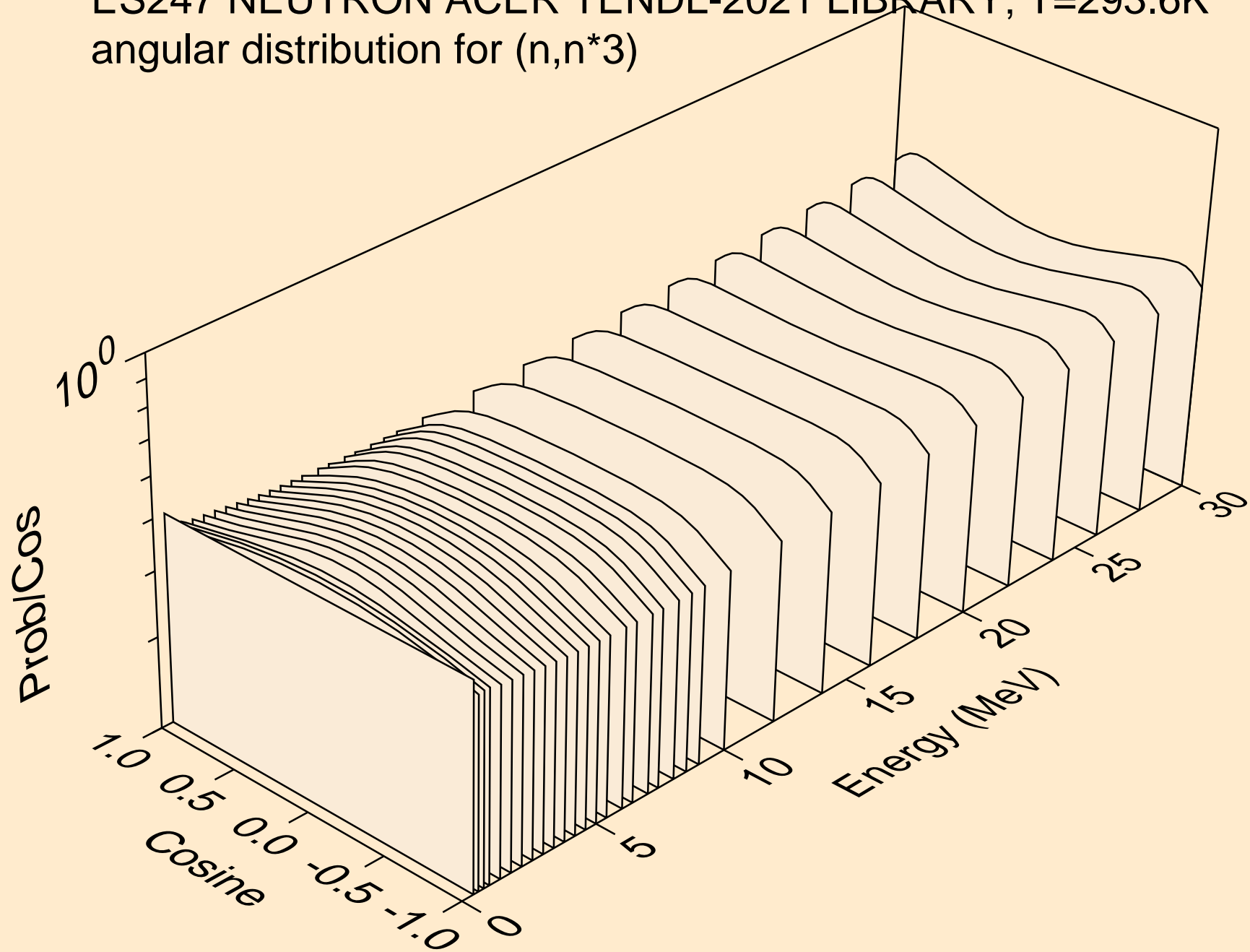


ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*2)

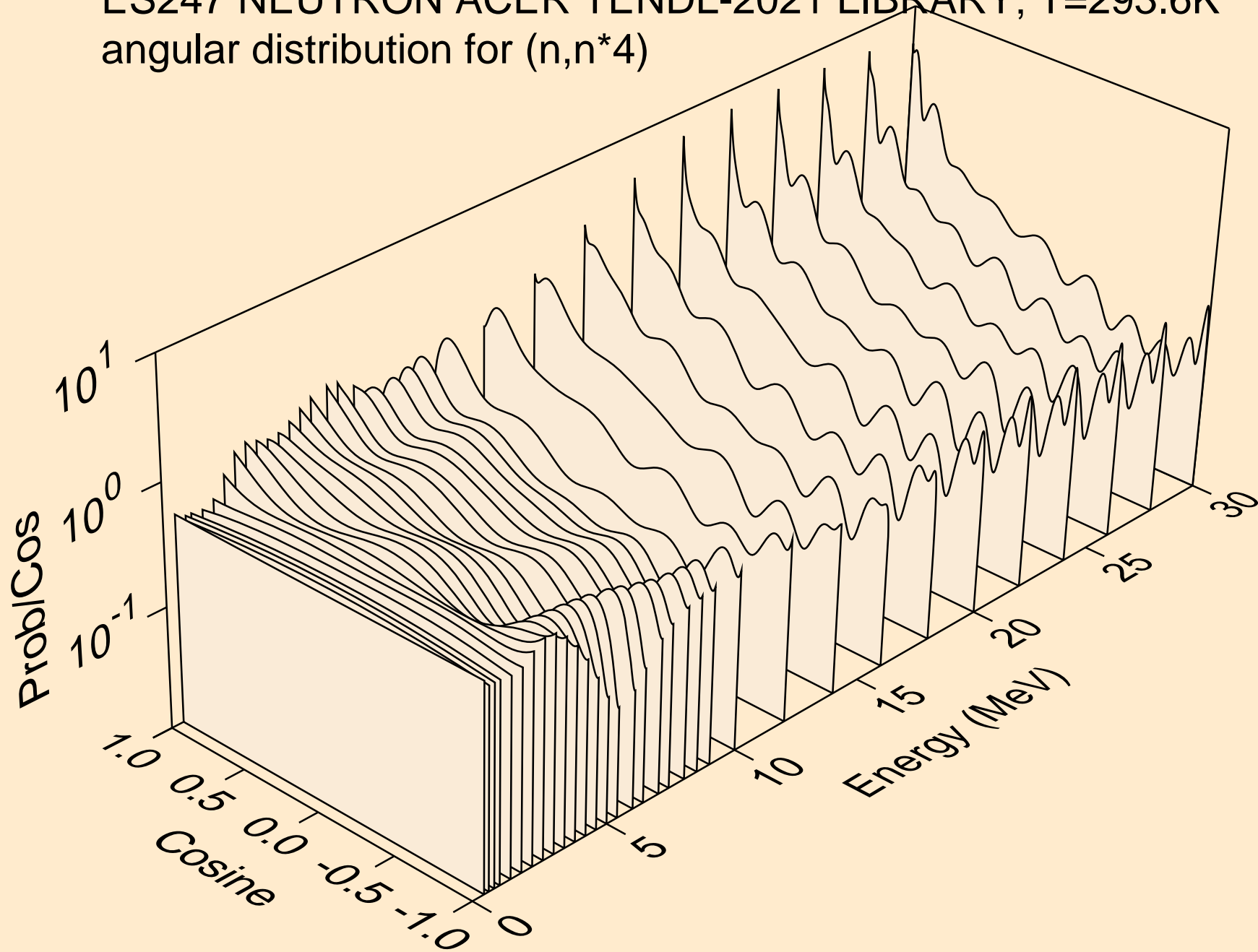




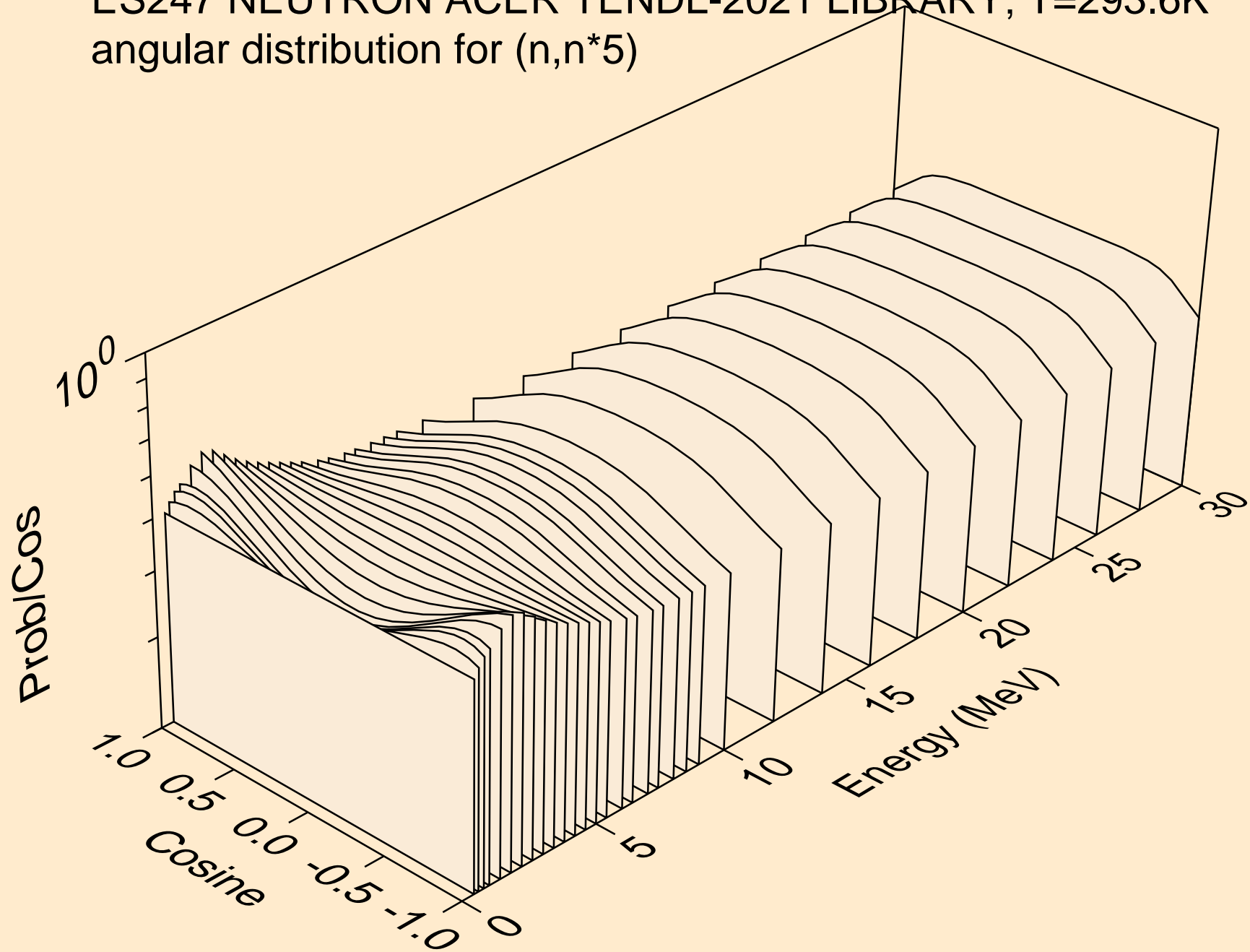
ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*3)



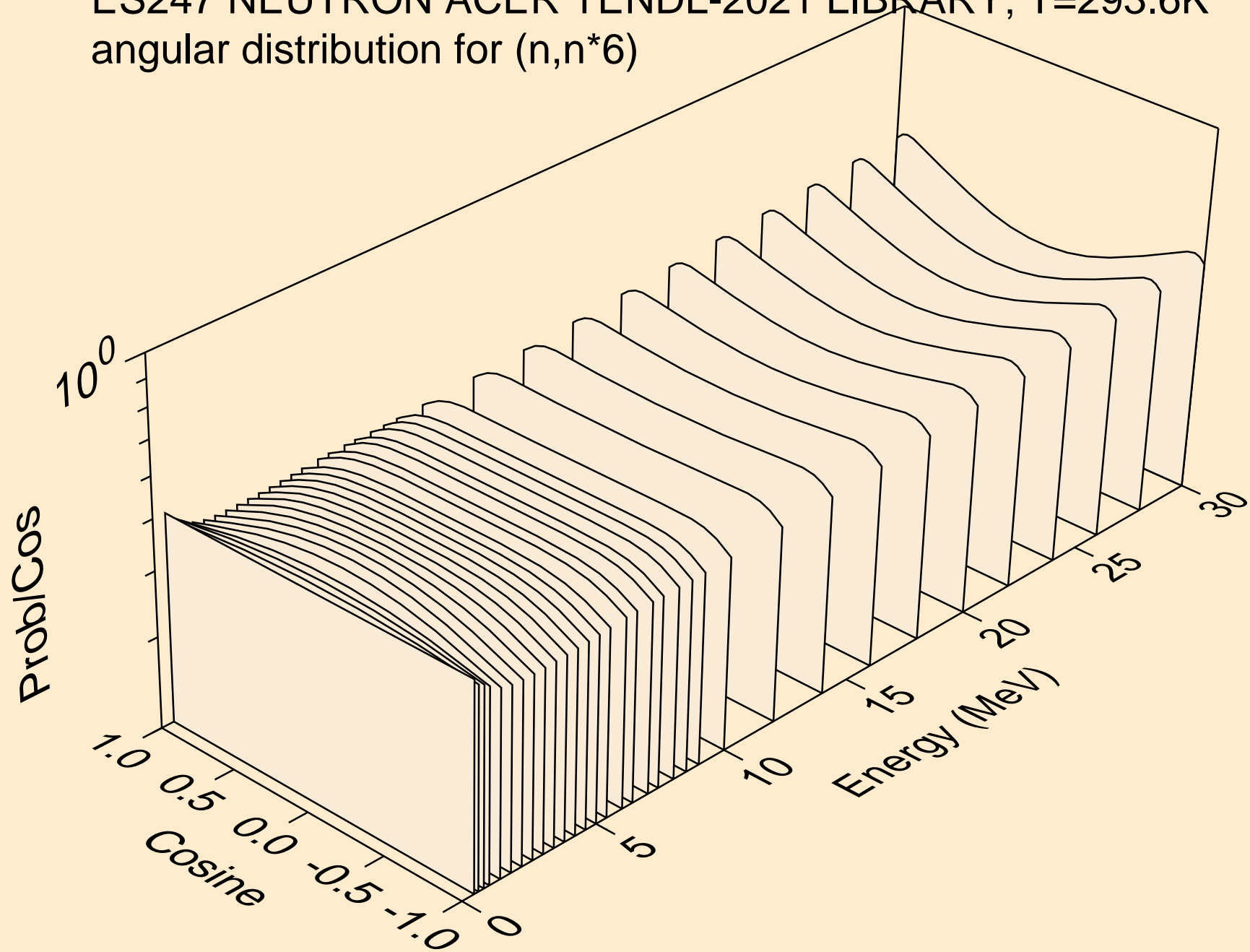
ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*4)



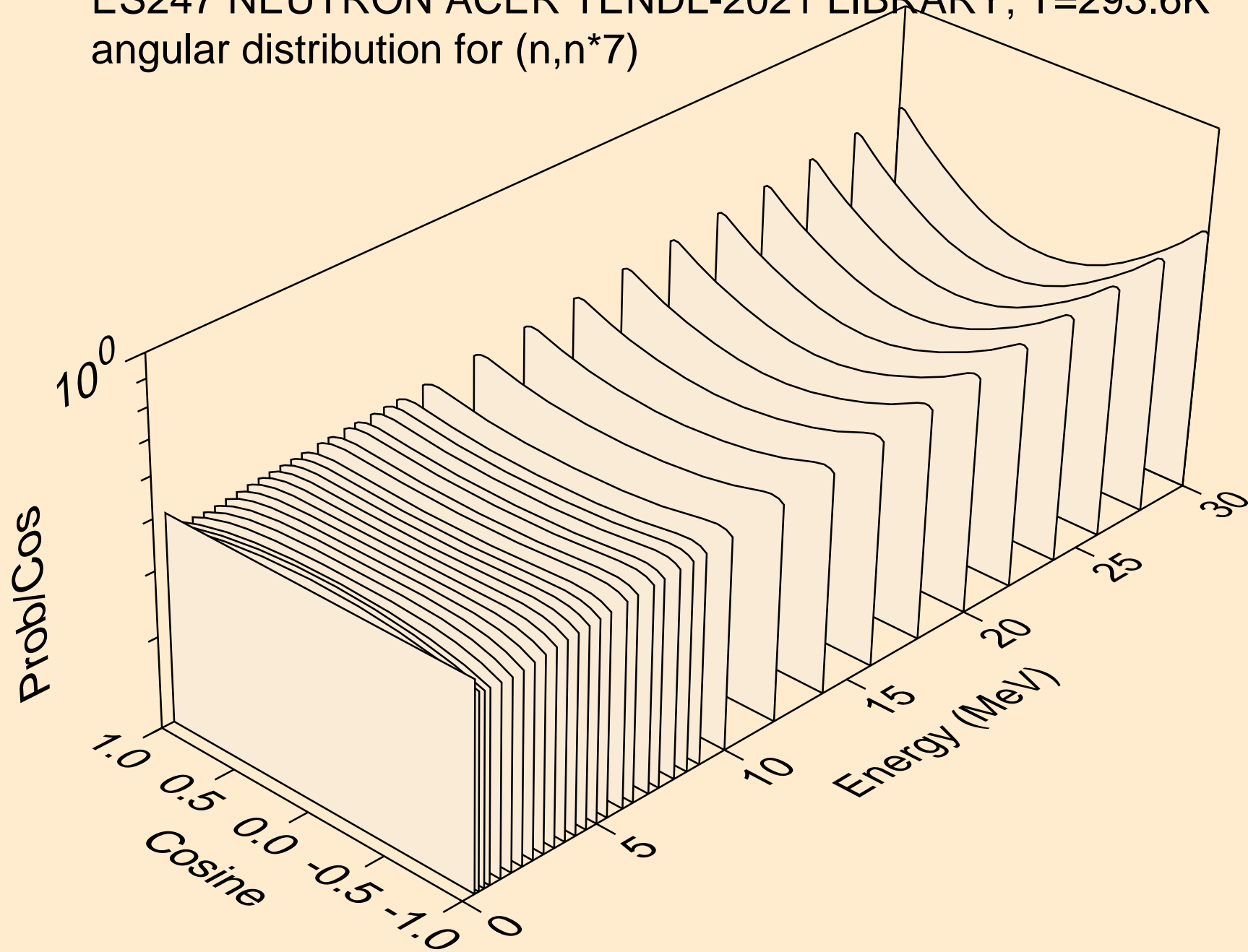
ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*5)



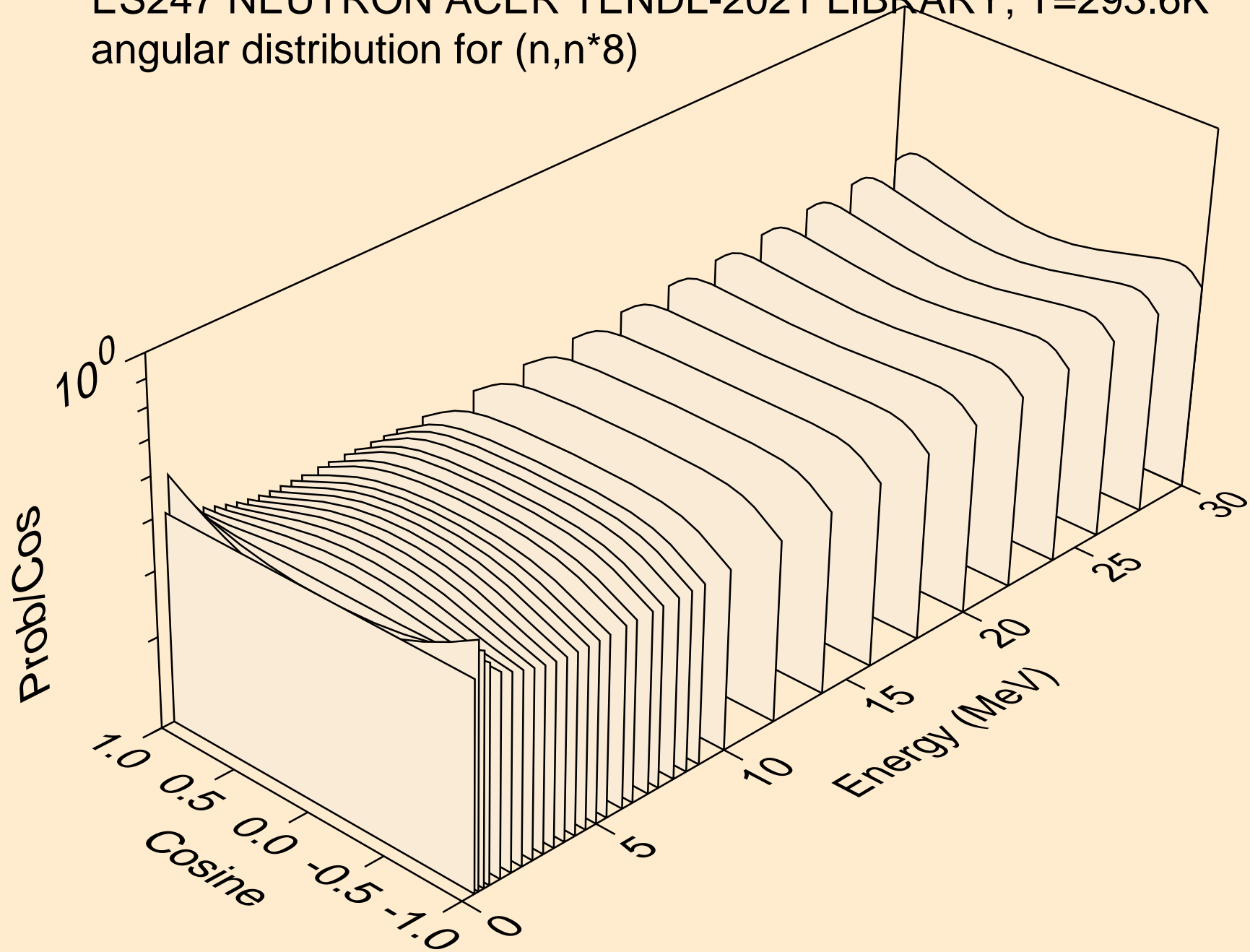
ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*6)



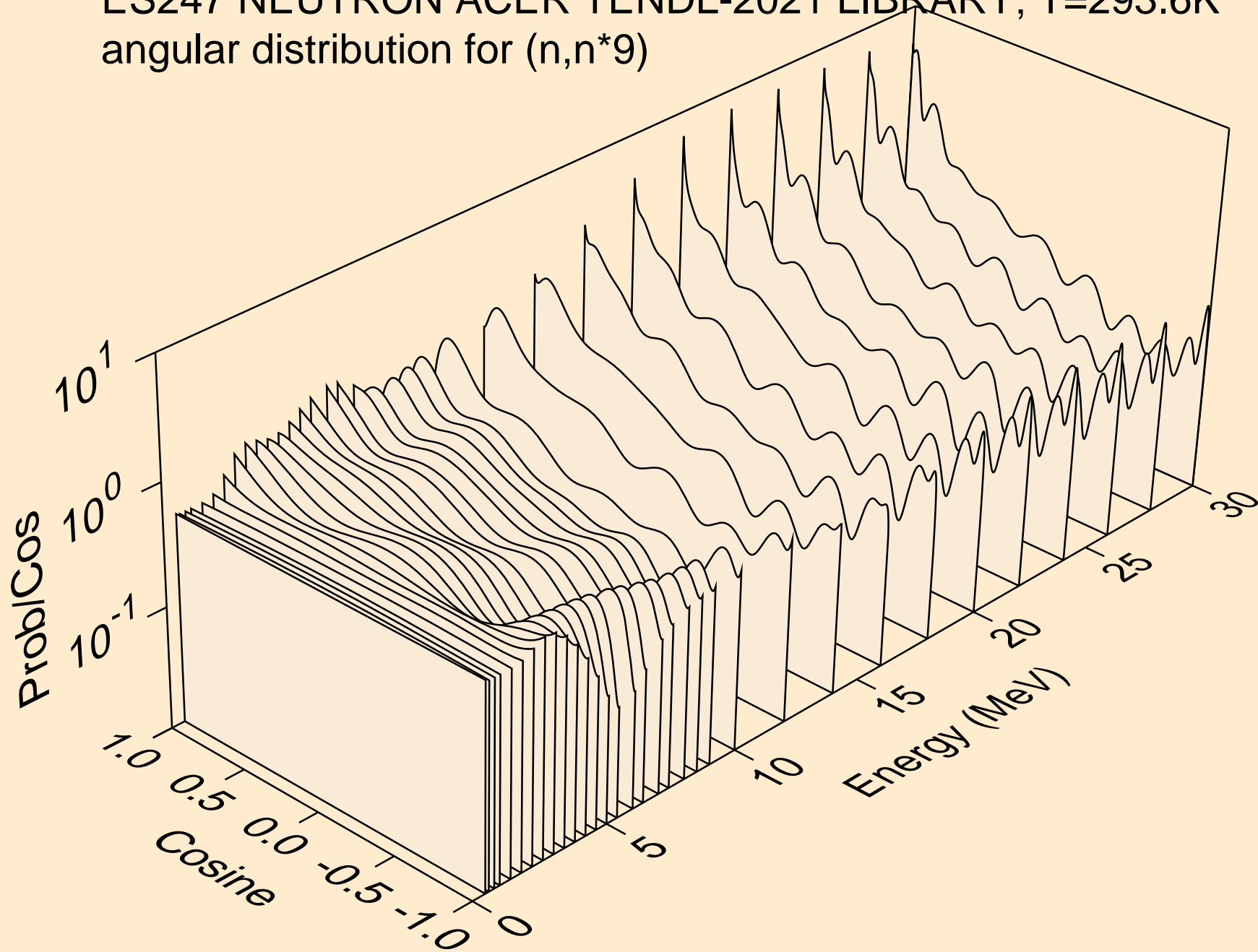
ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*7)



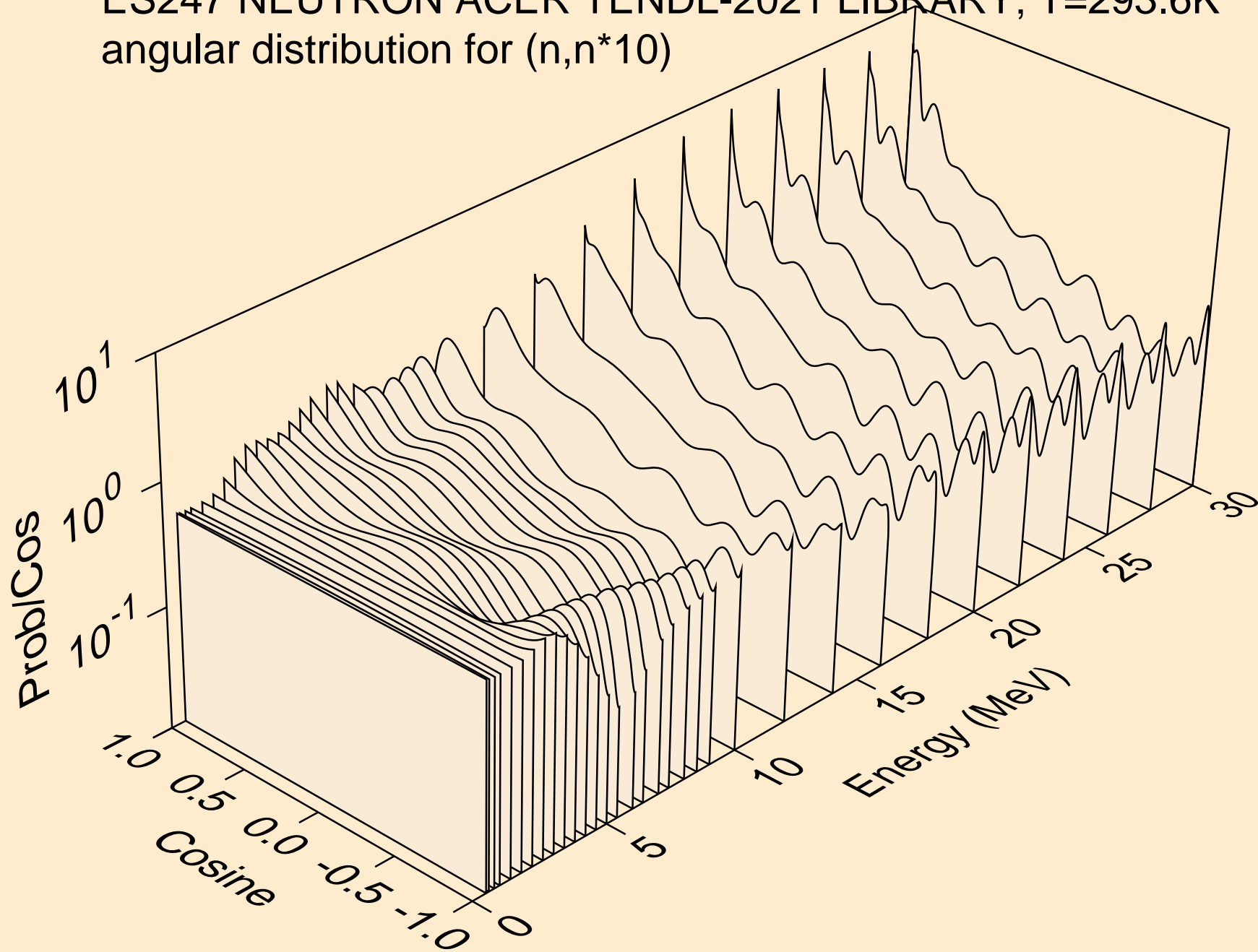
ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*8)



ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*9)

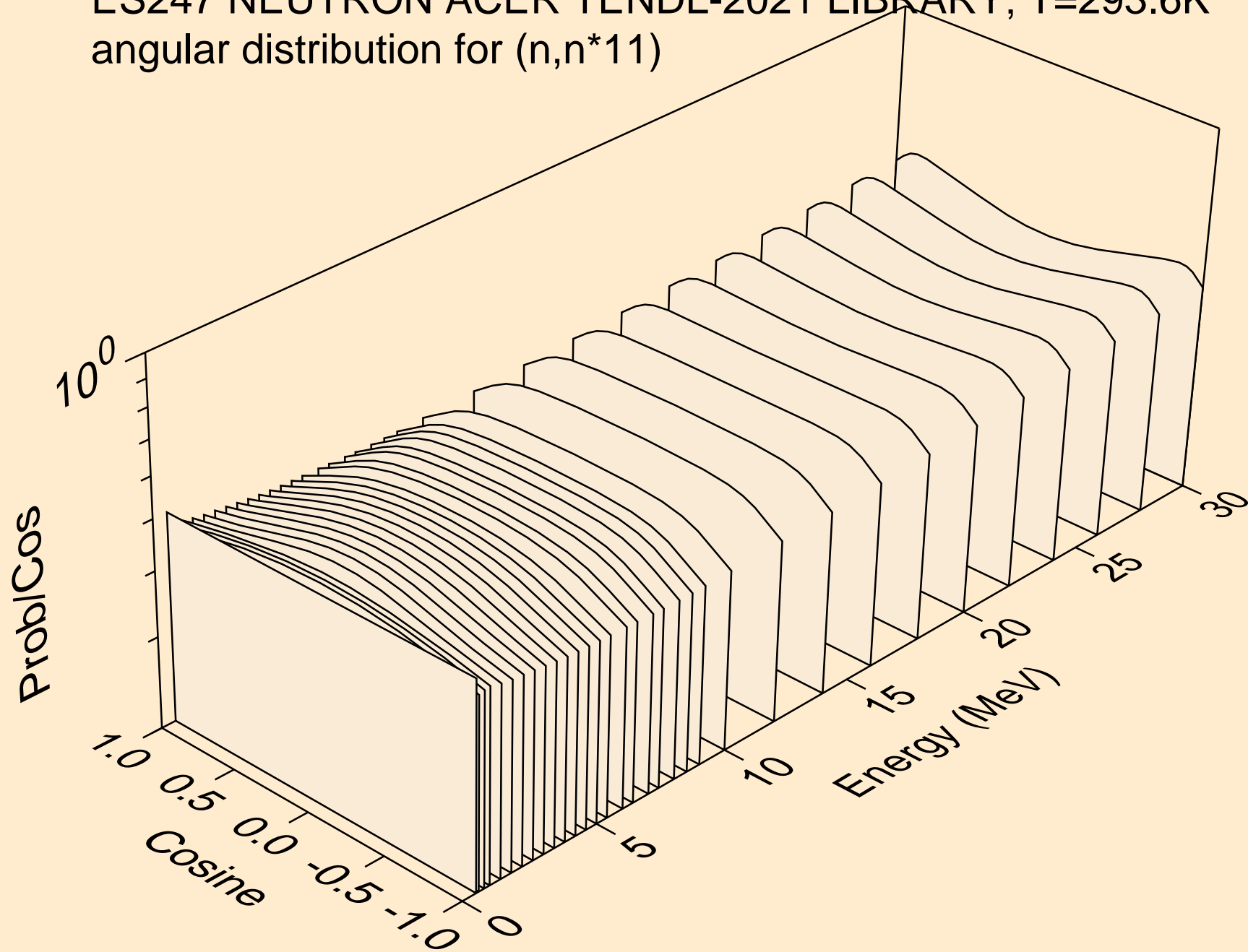


ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*10)

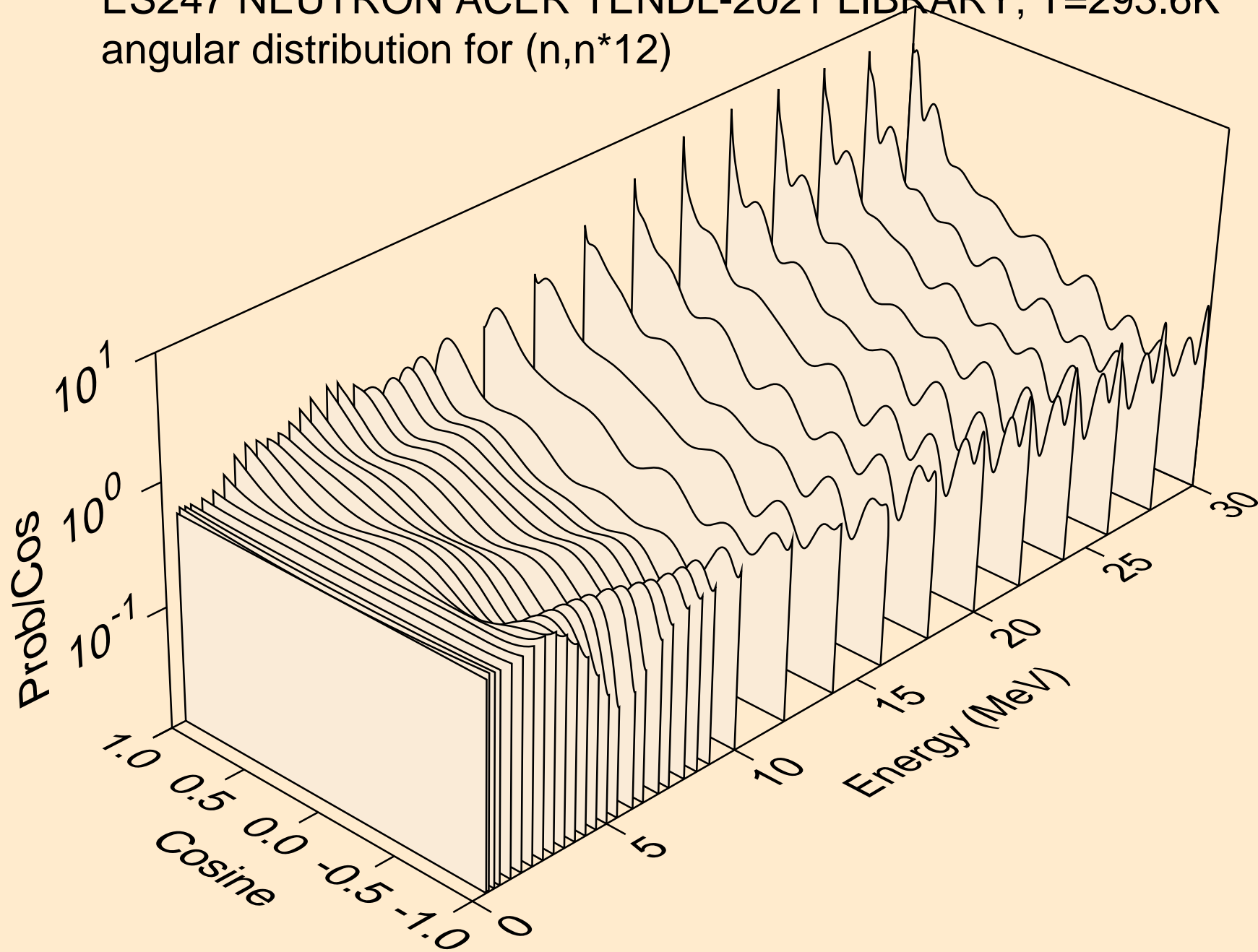




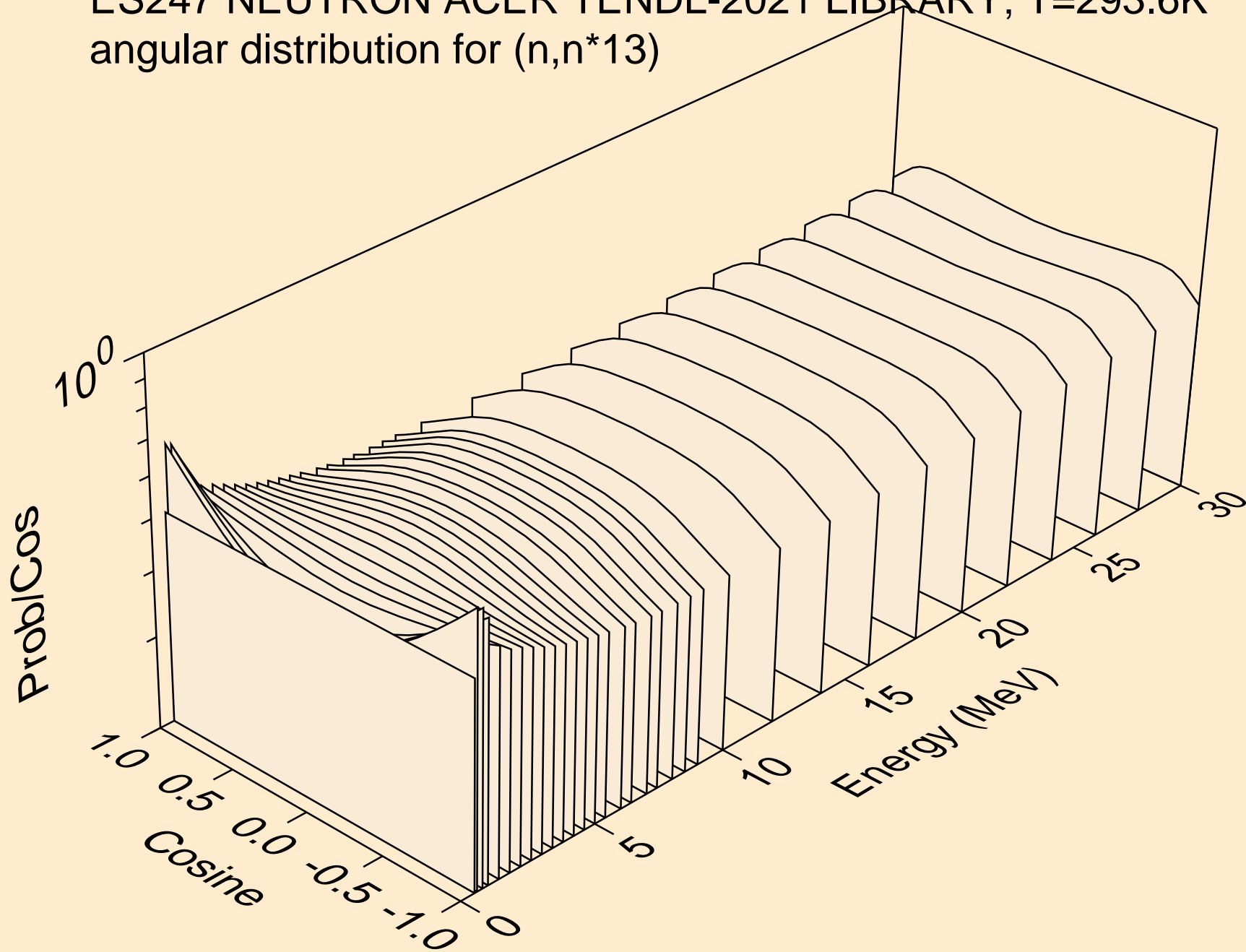
ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*11)



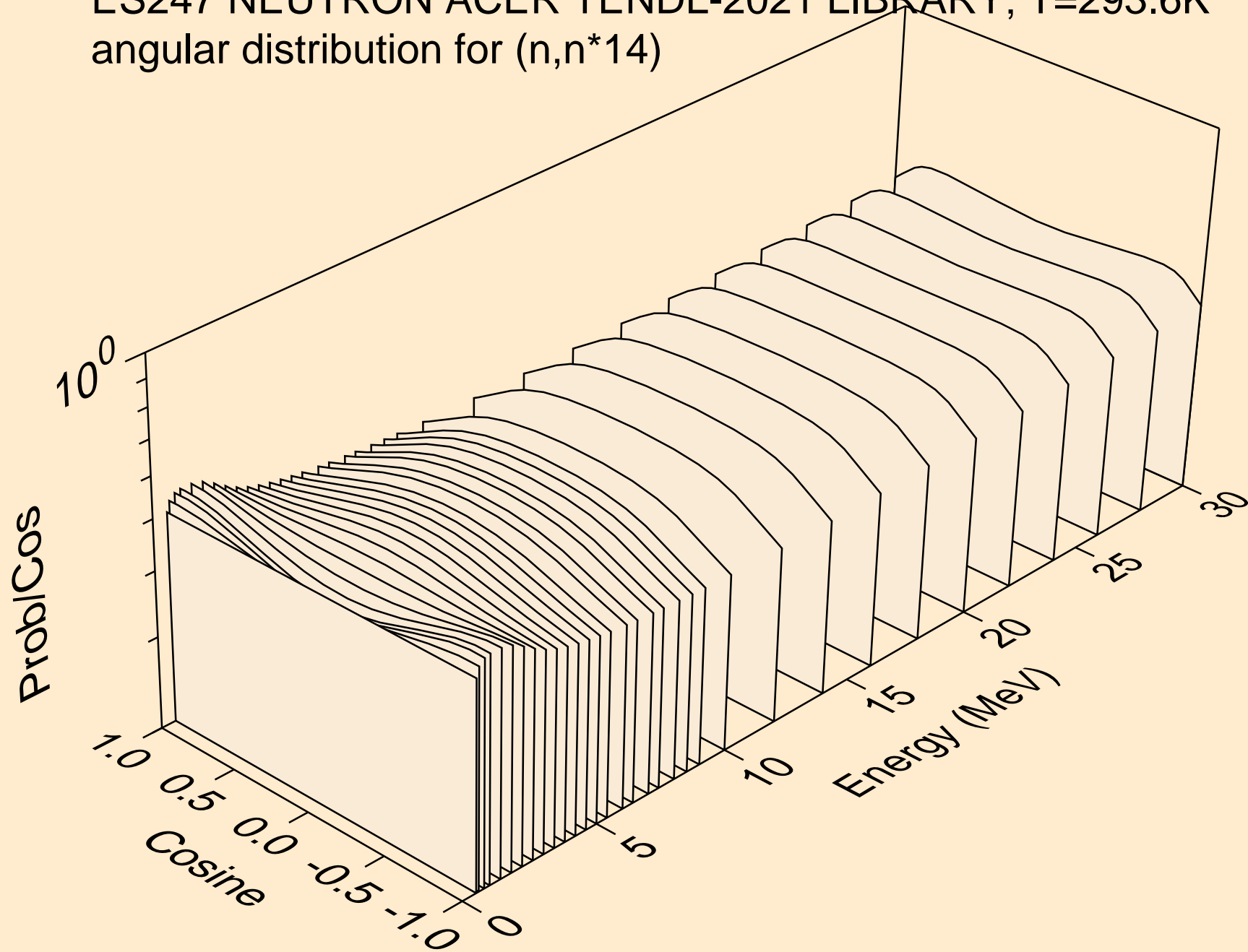
ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*12)



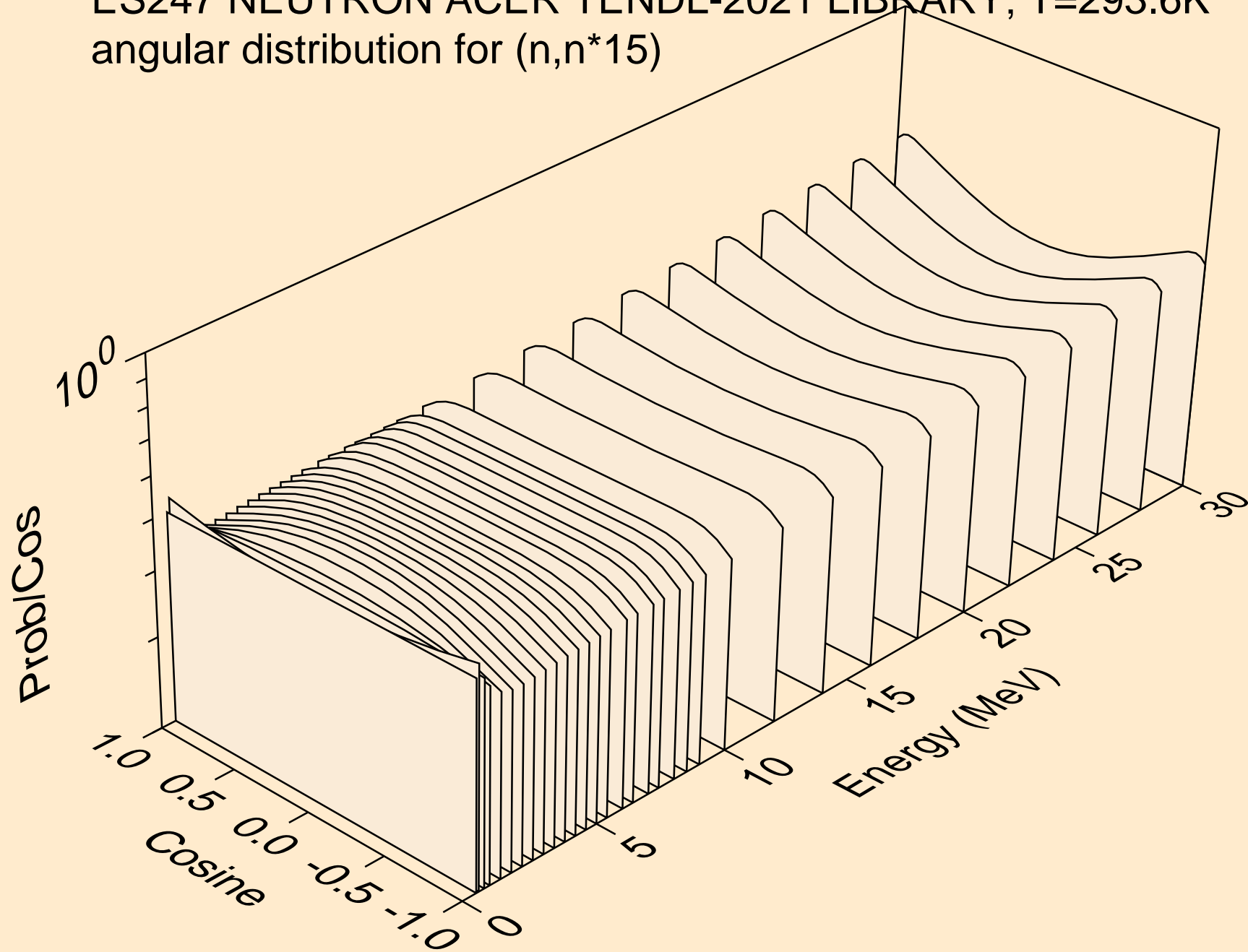
ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*13)



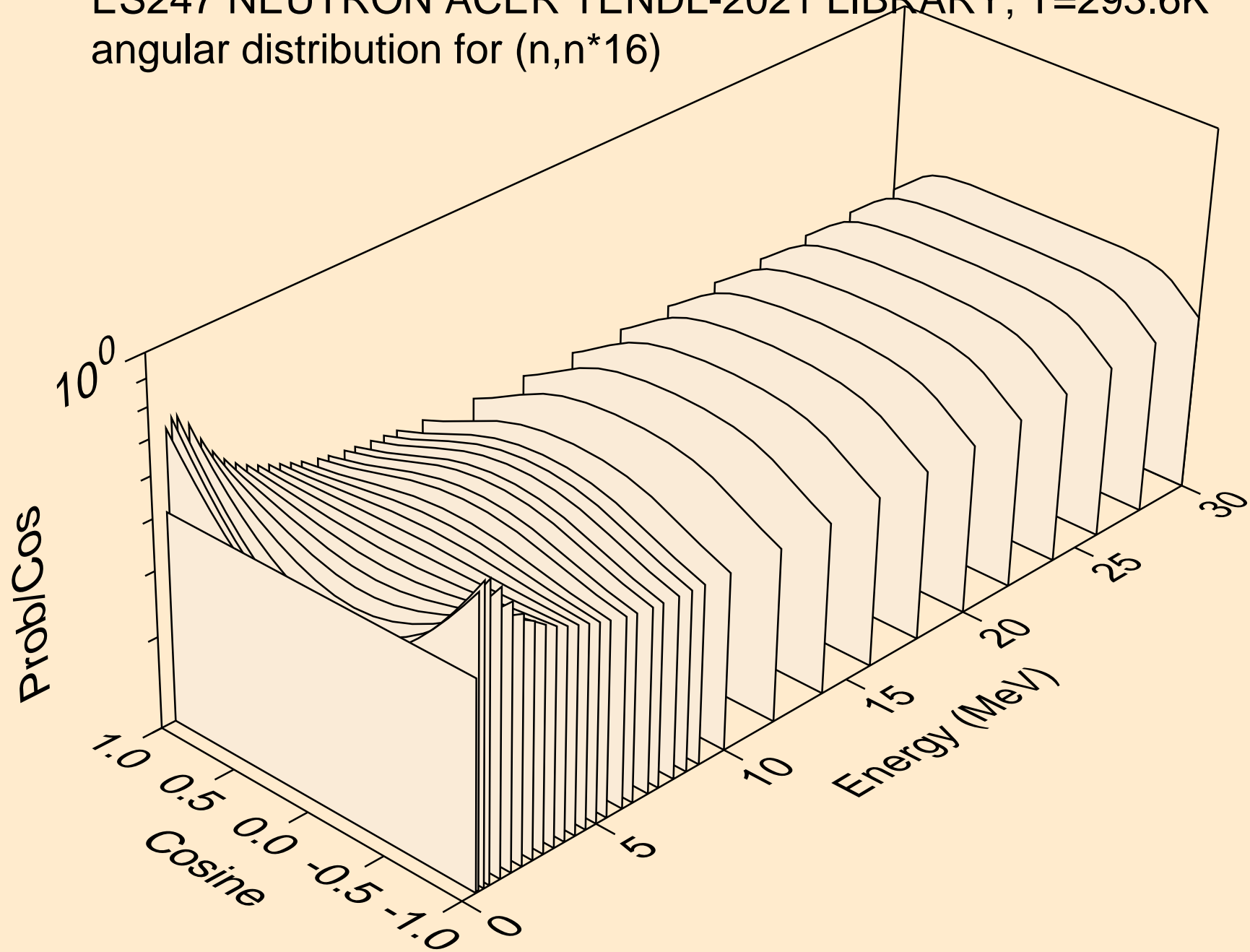
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angular distribution for (n,n\*14)



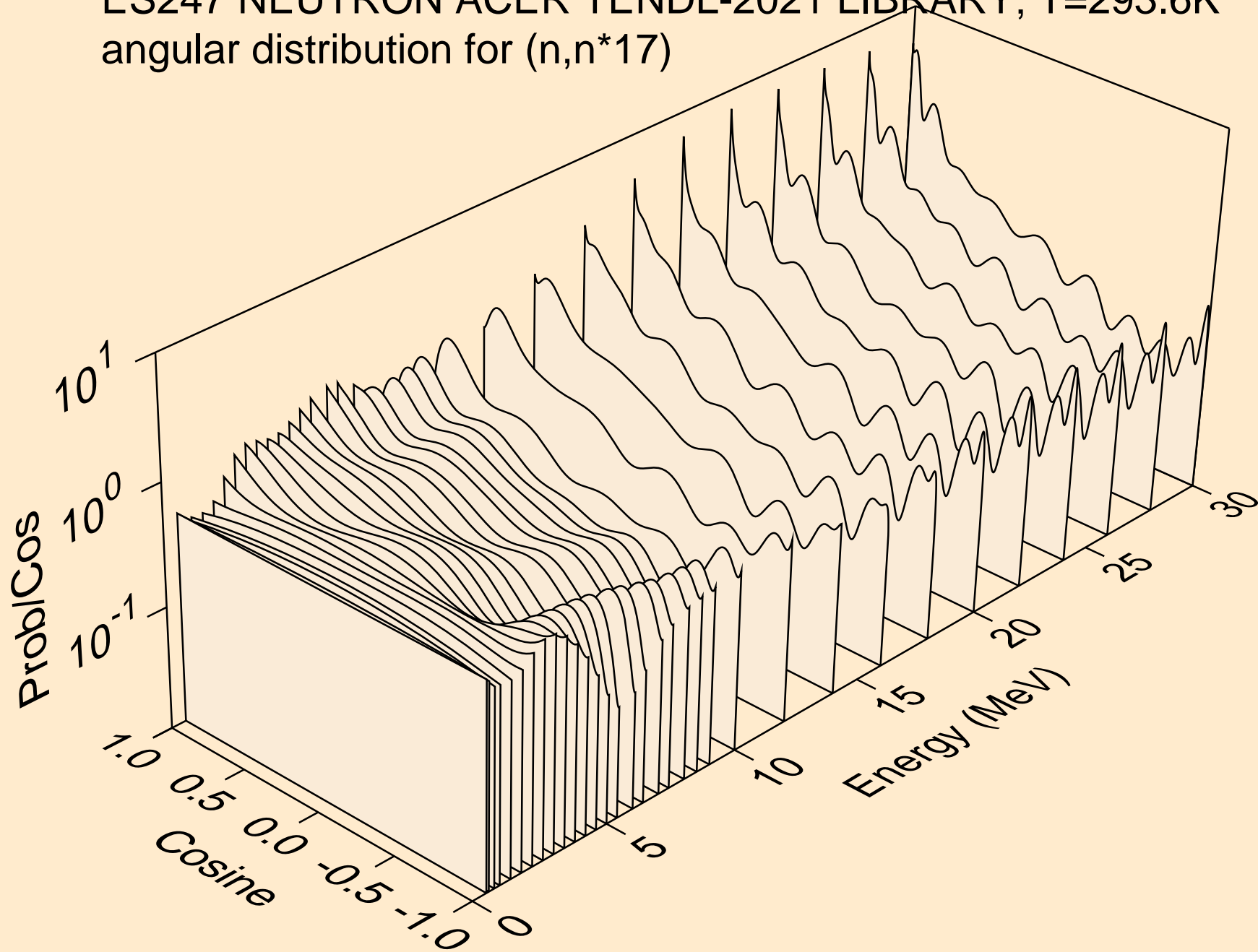
ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*15)



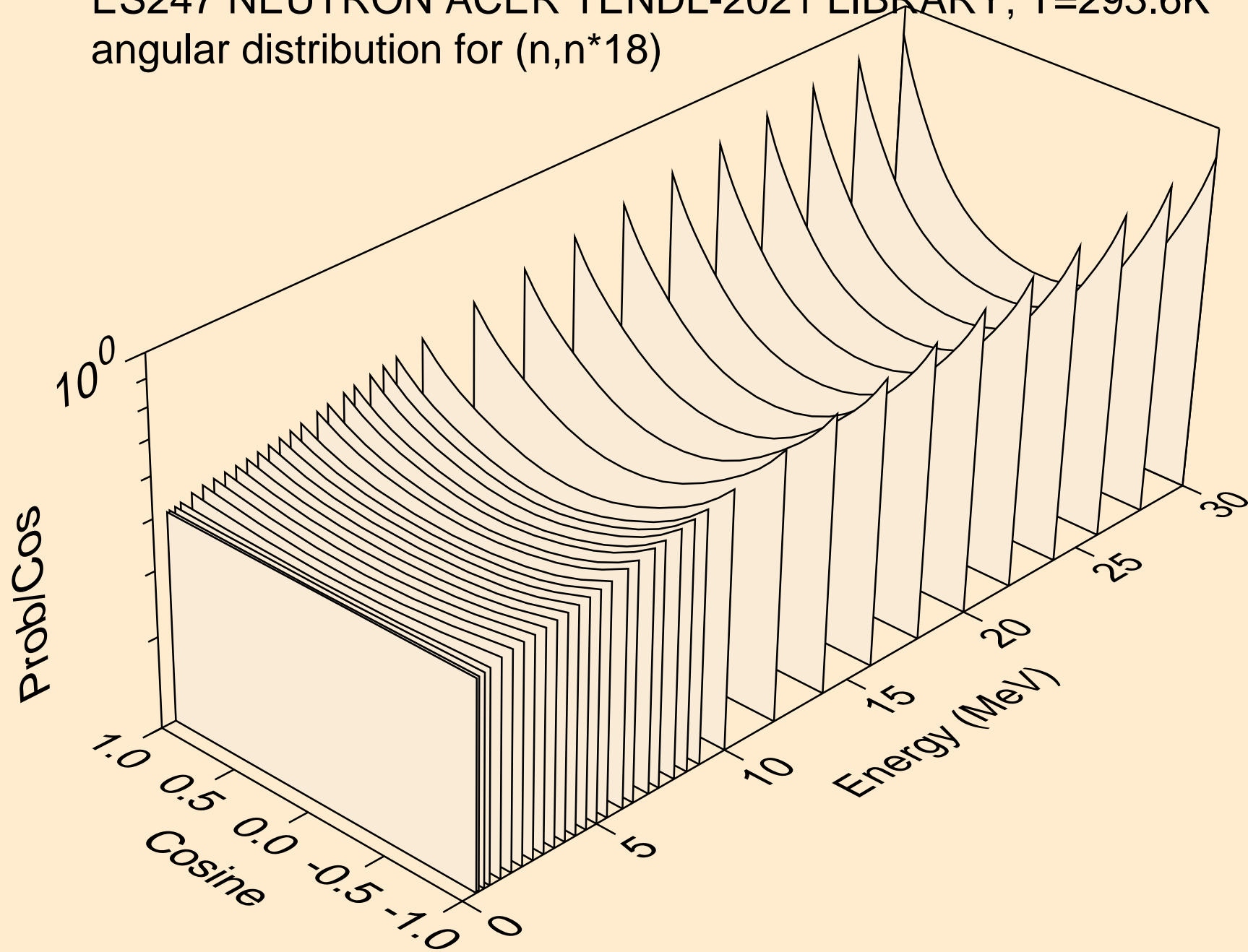
ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*16)



ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*17)

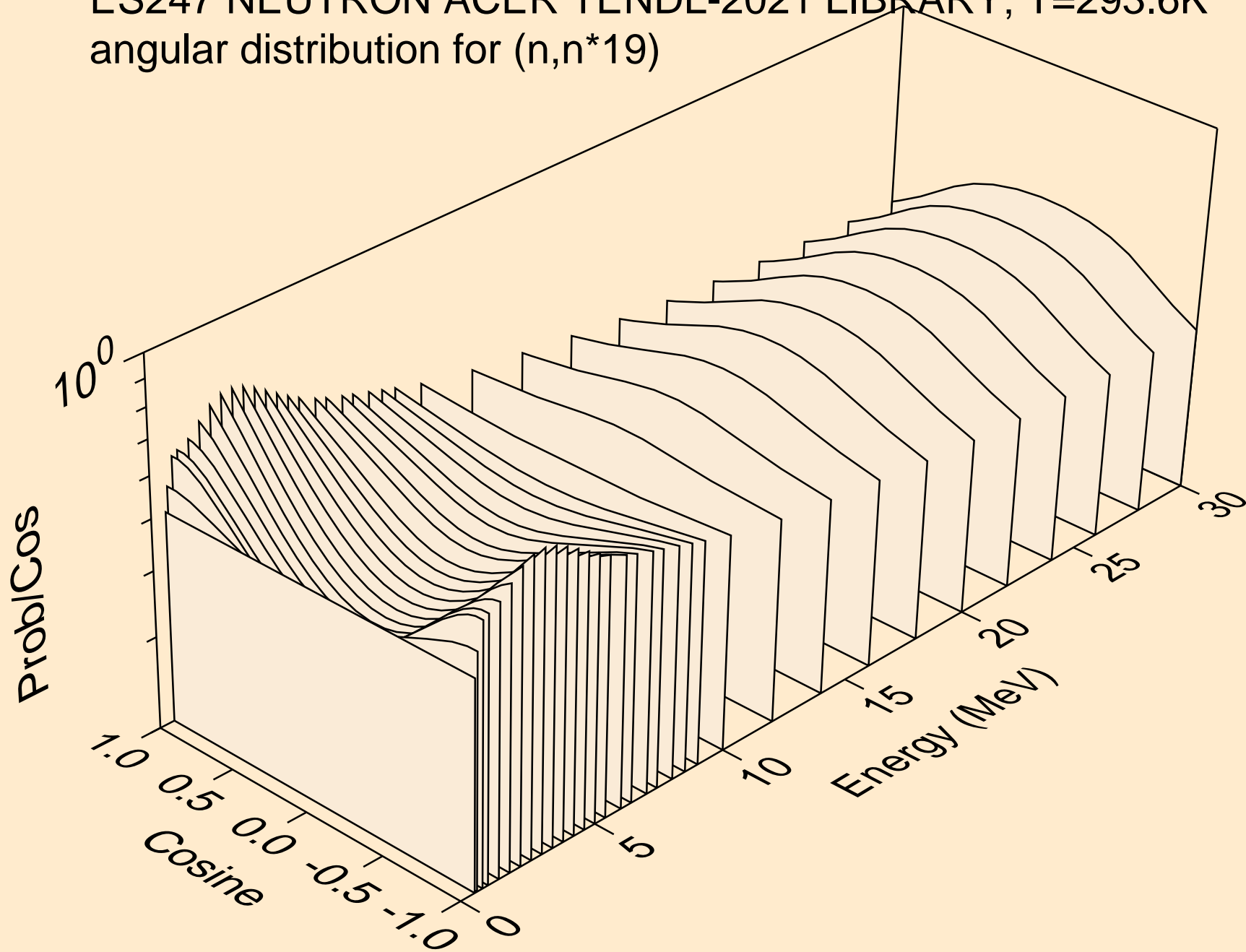


ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*18)

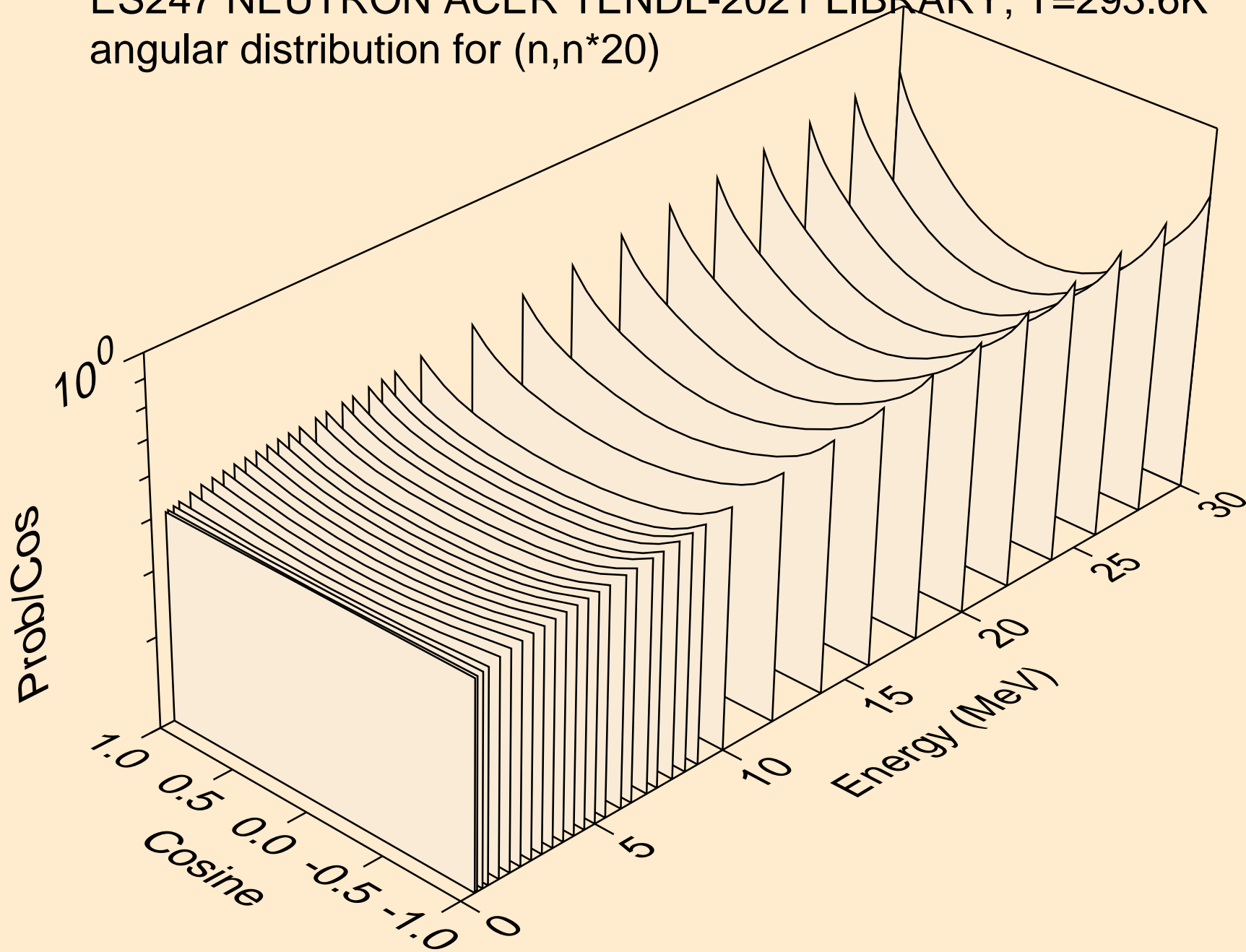




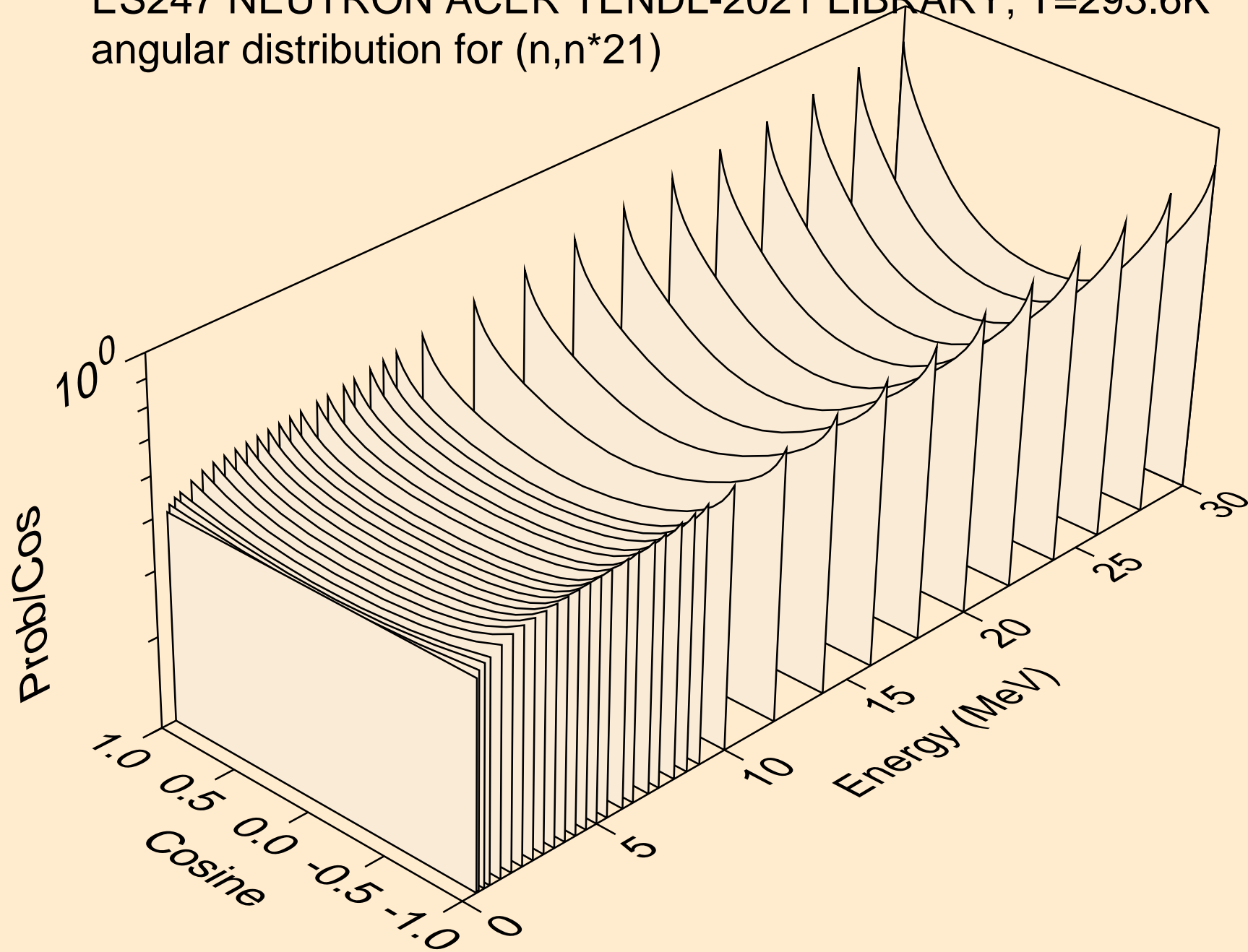
ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*19)



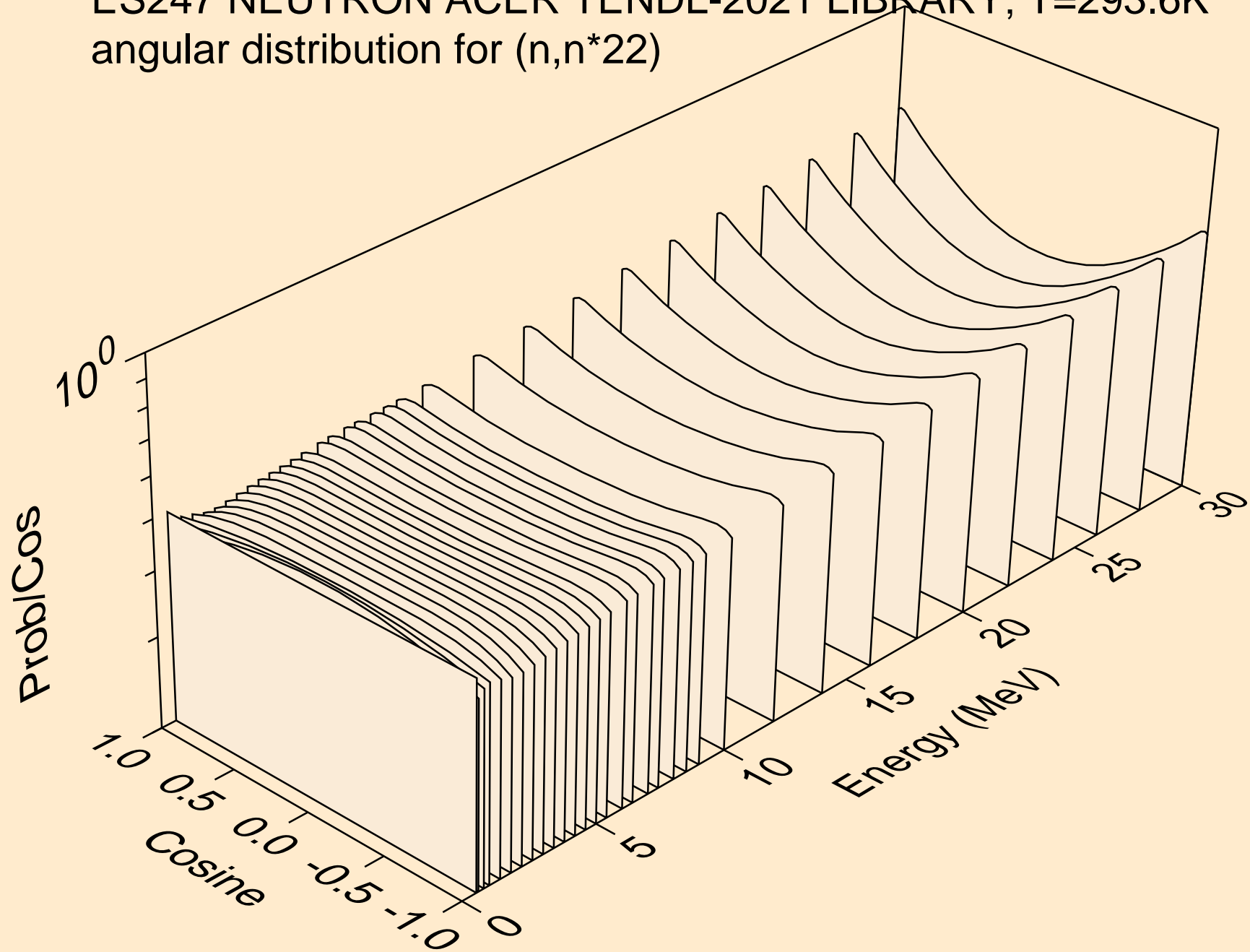
ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*20)



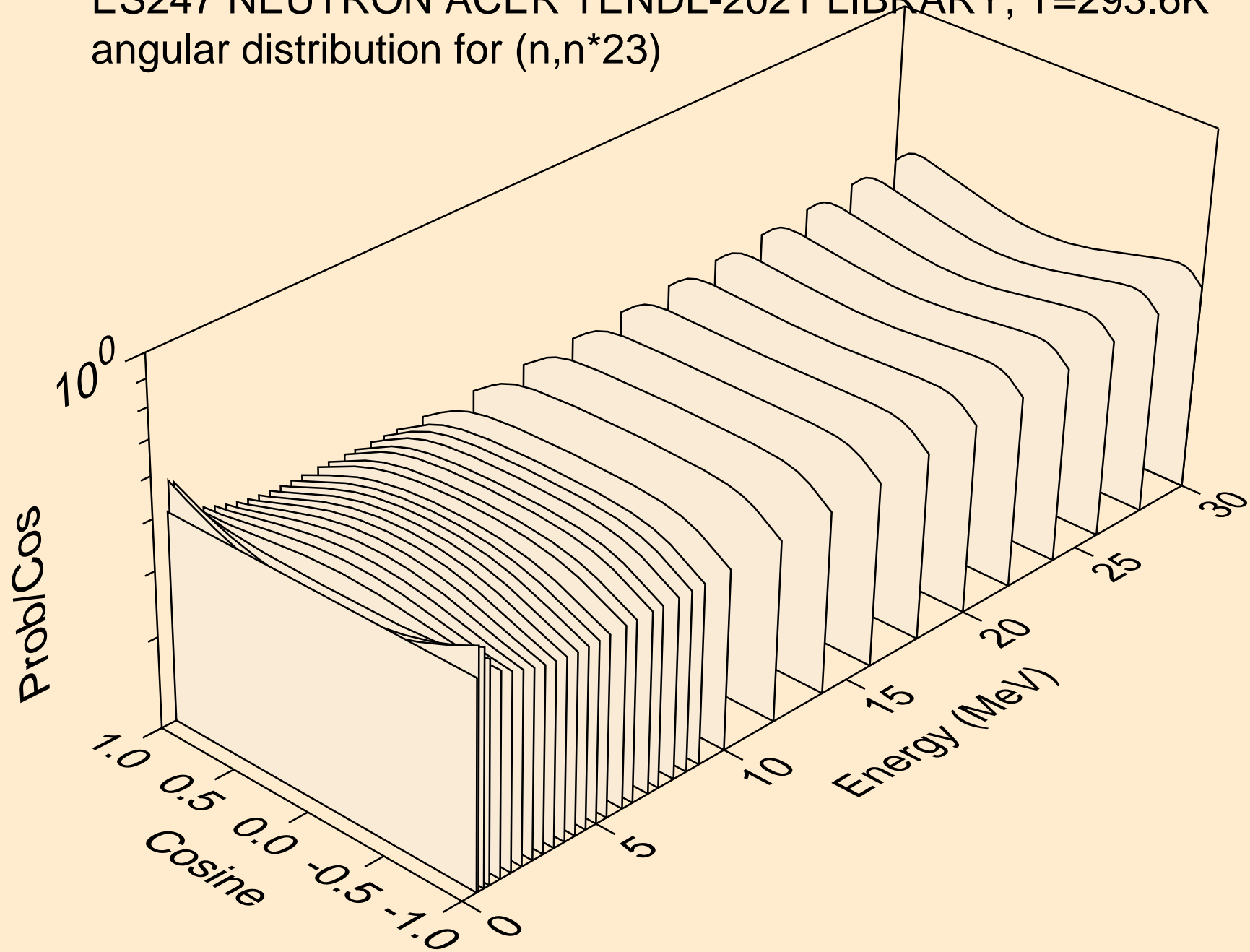
ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*21)



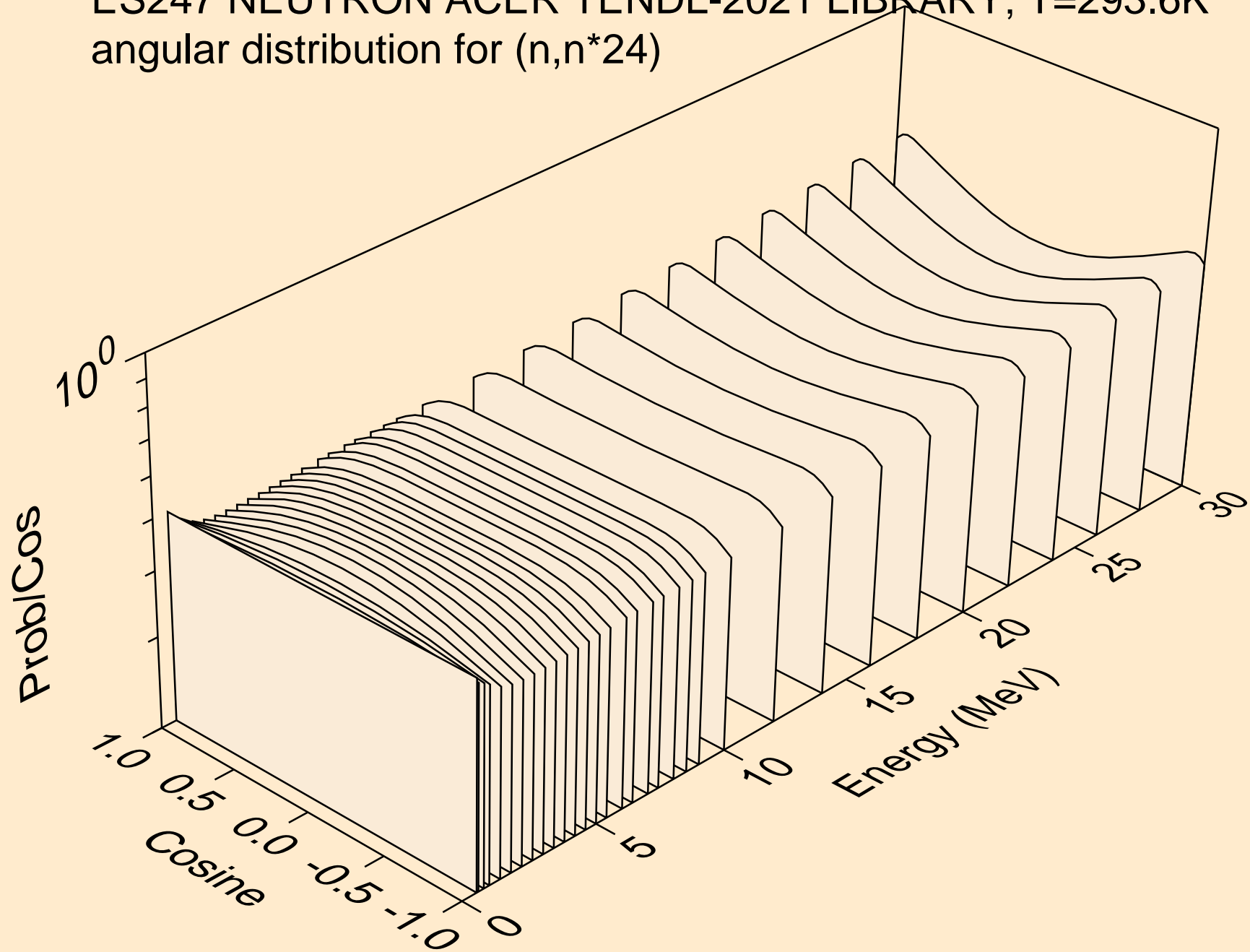
ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*22)



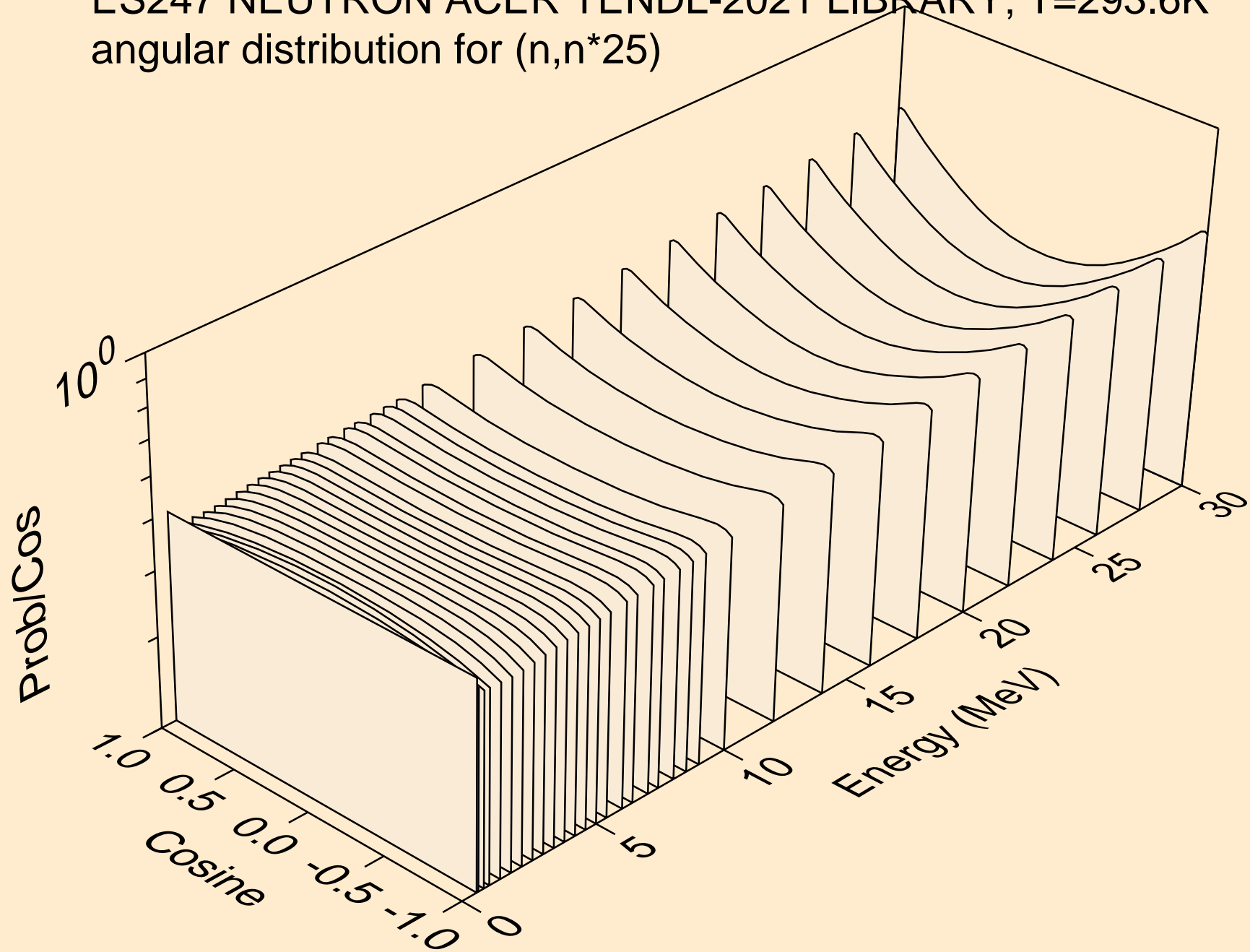
ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*23)



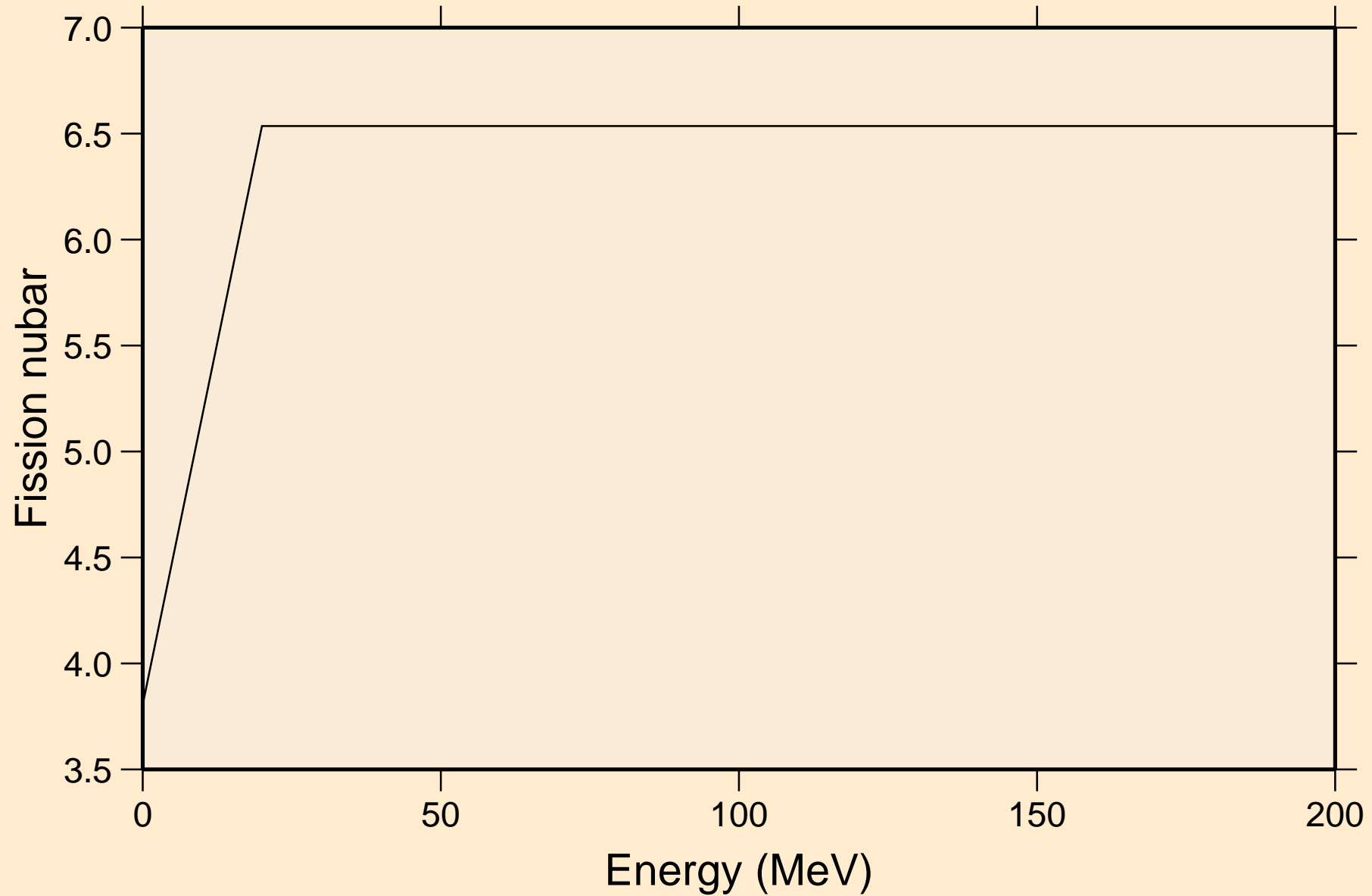
ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*24)



ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*25)

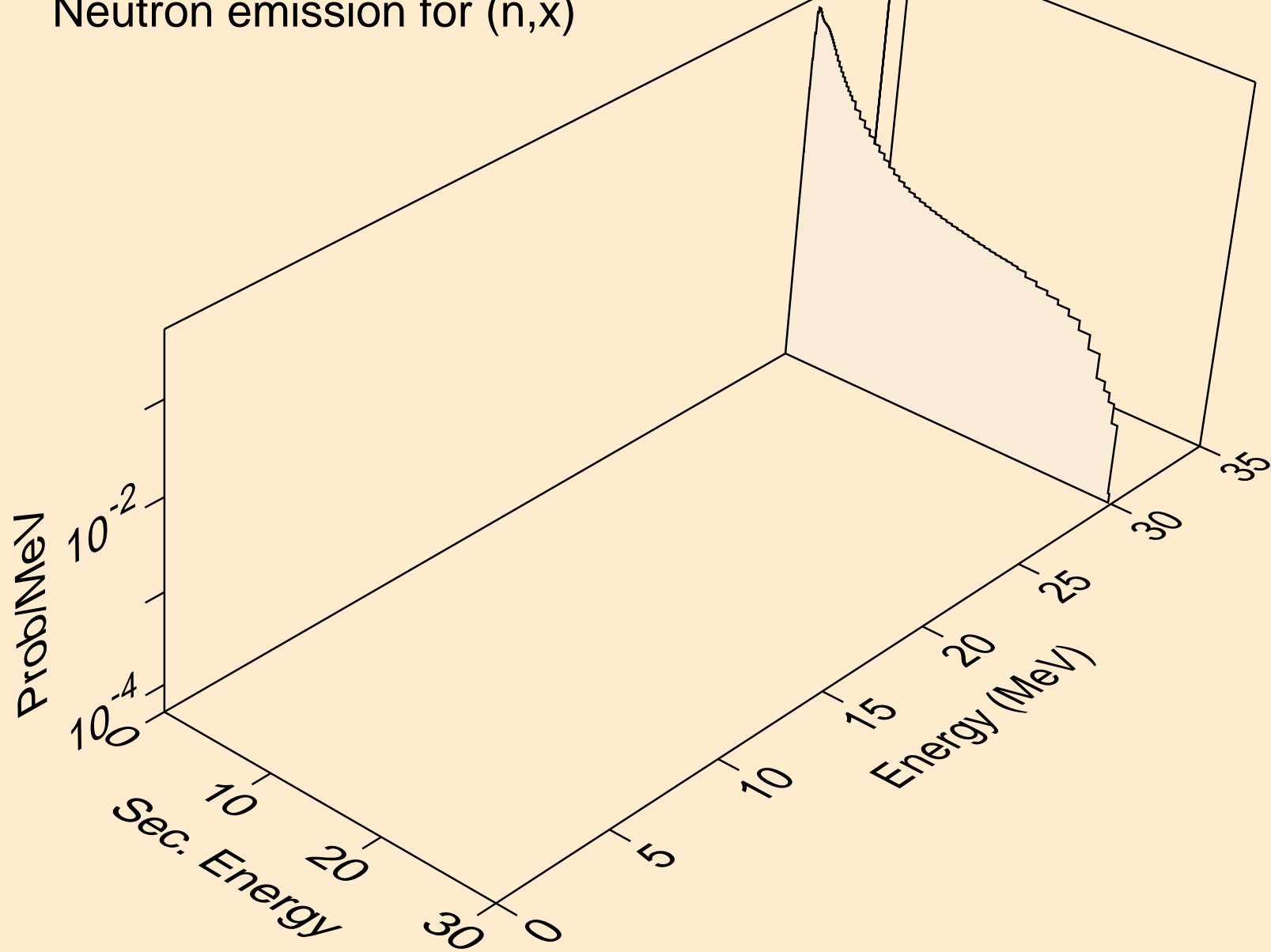


ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Total fission nubar

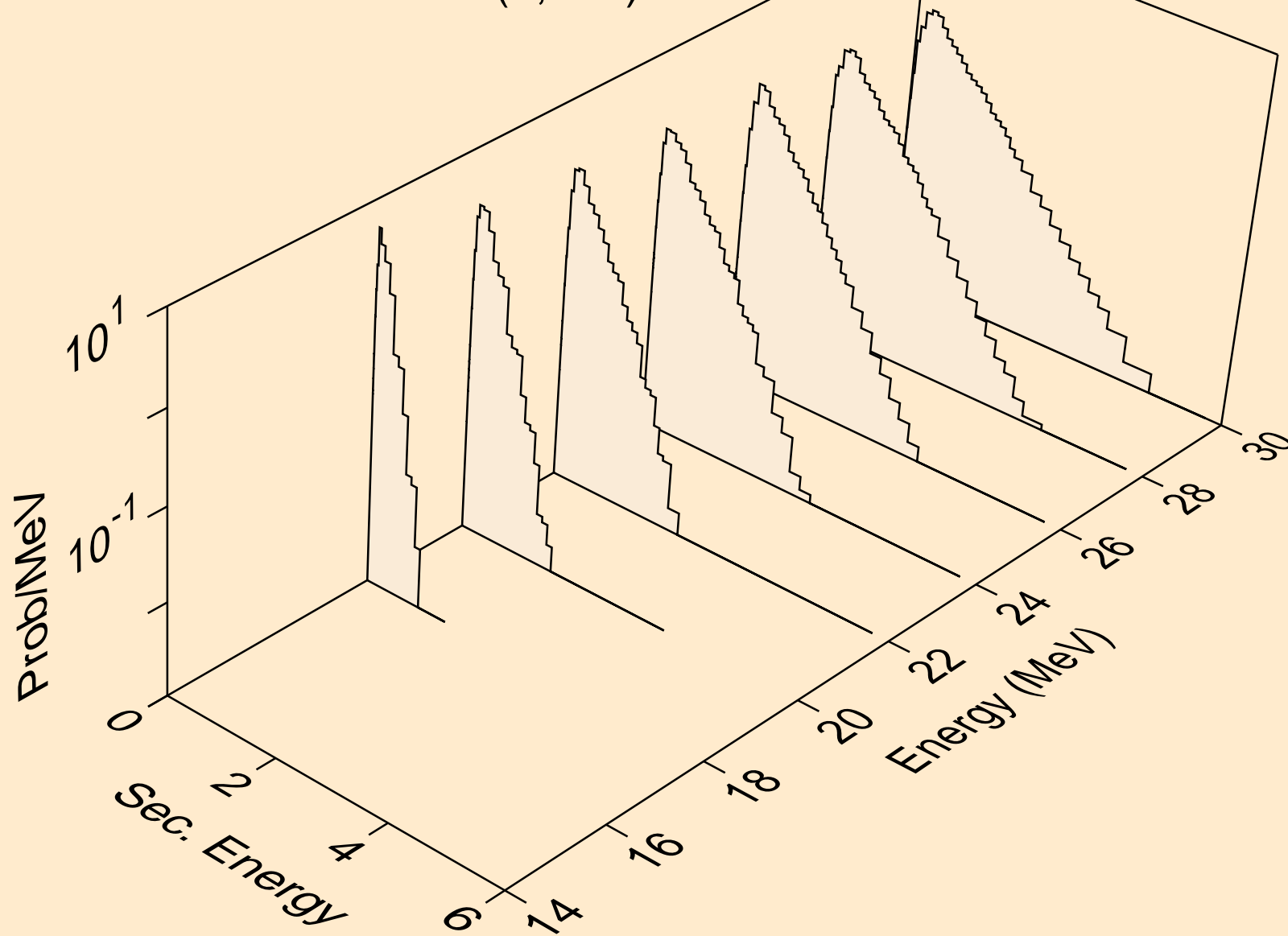




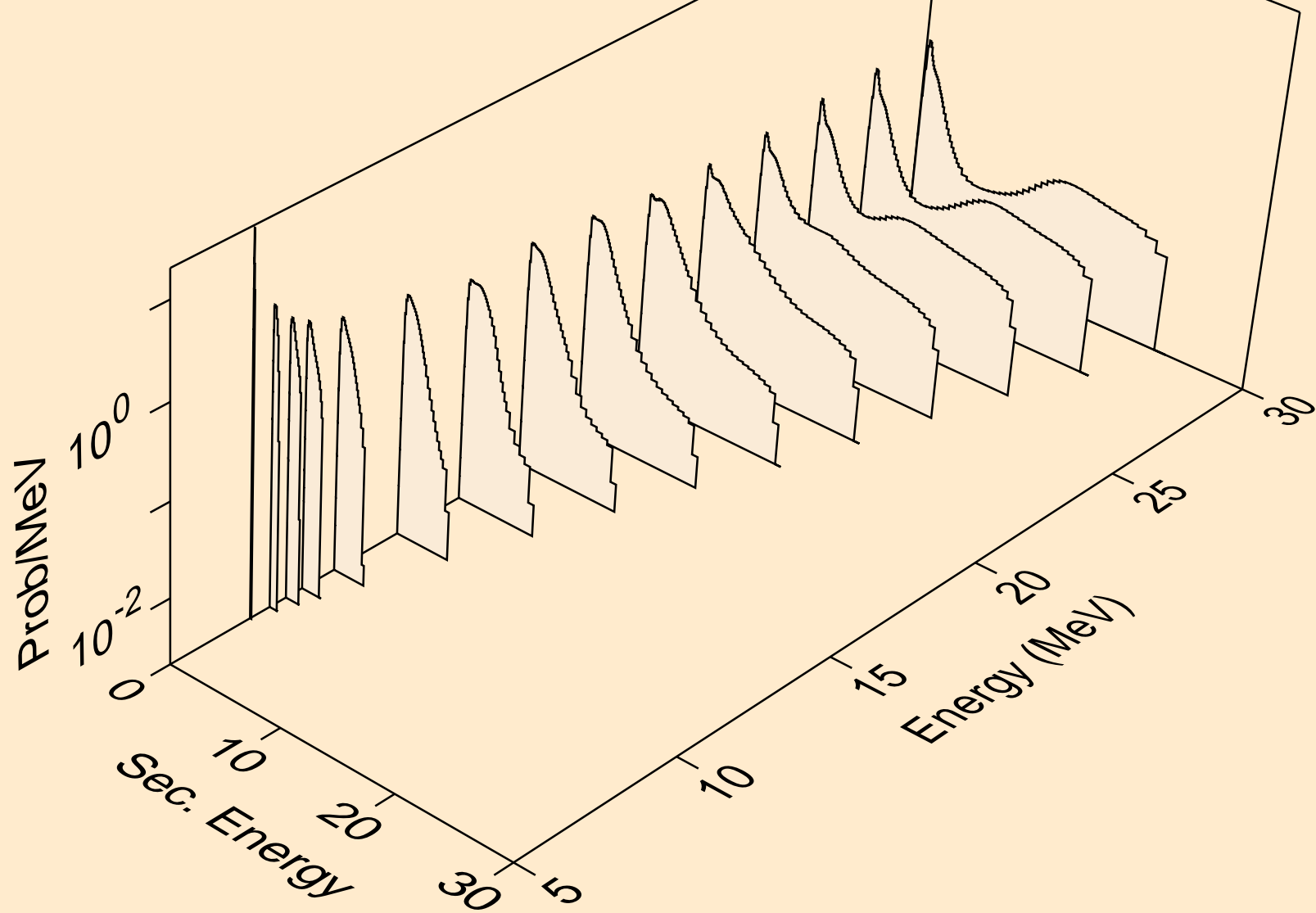
ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,x)



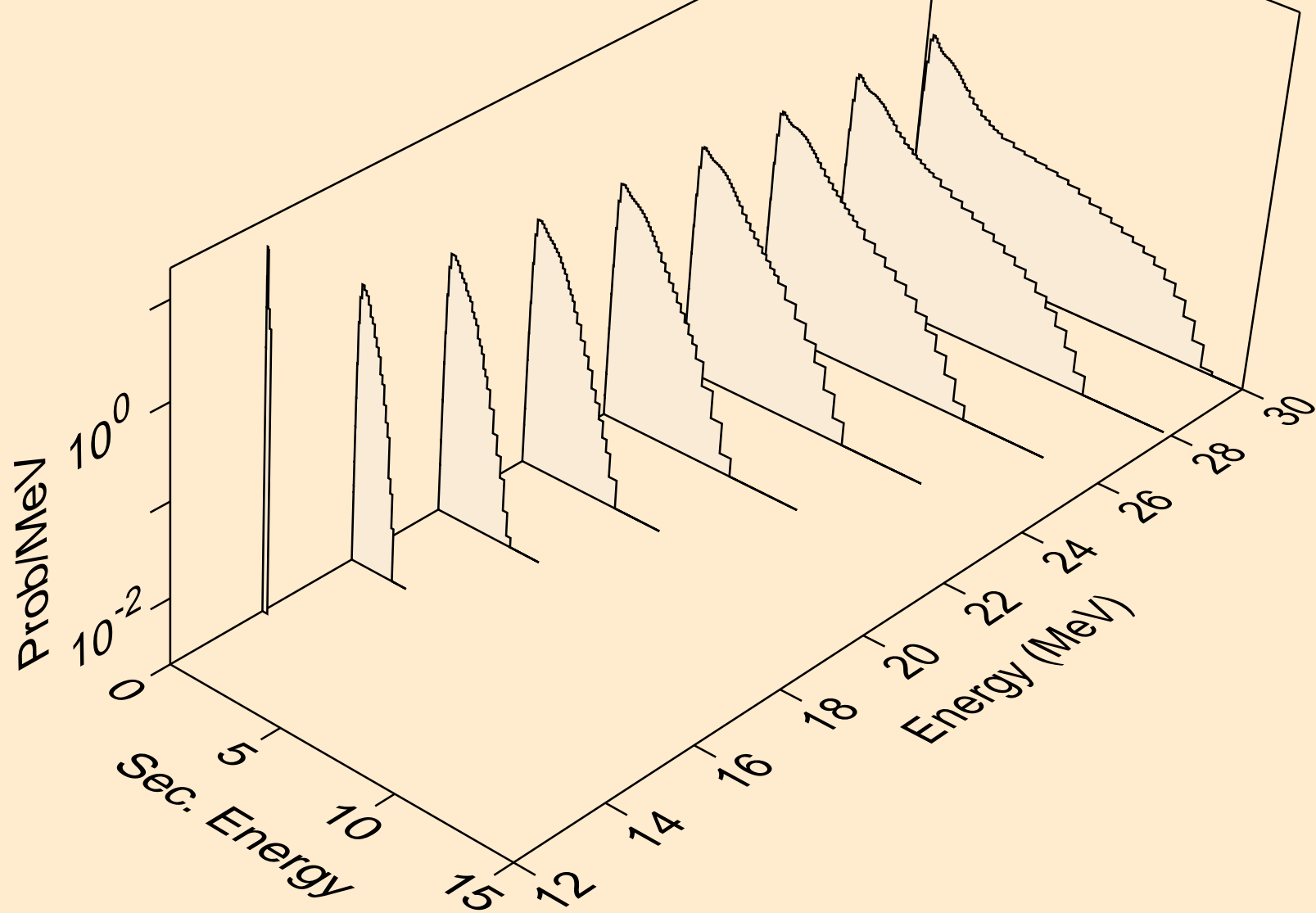
ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2nd)



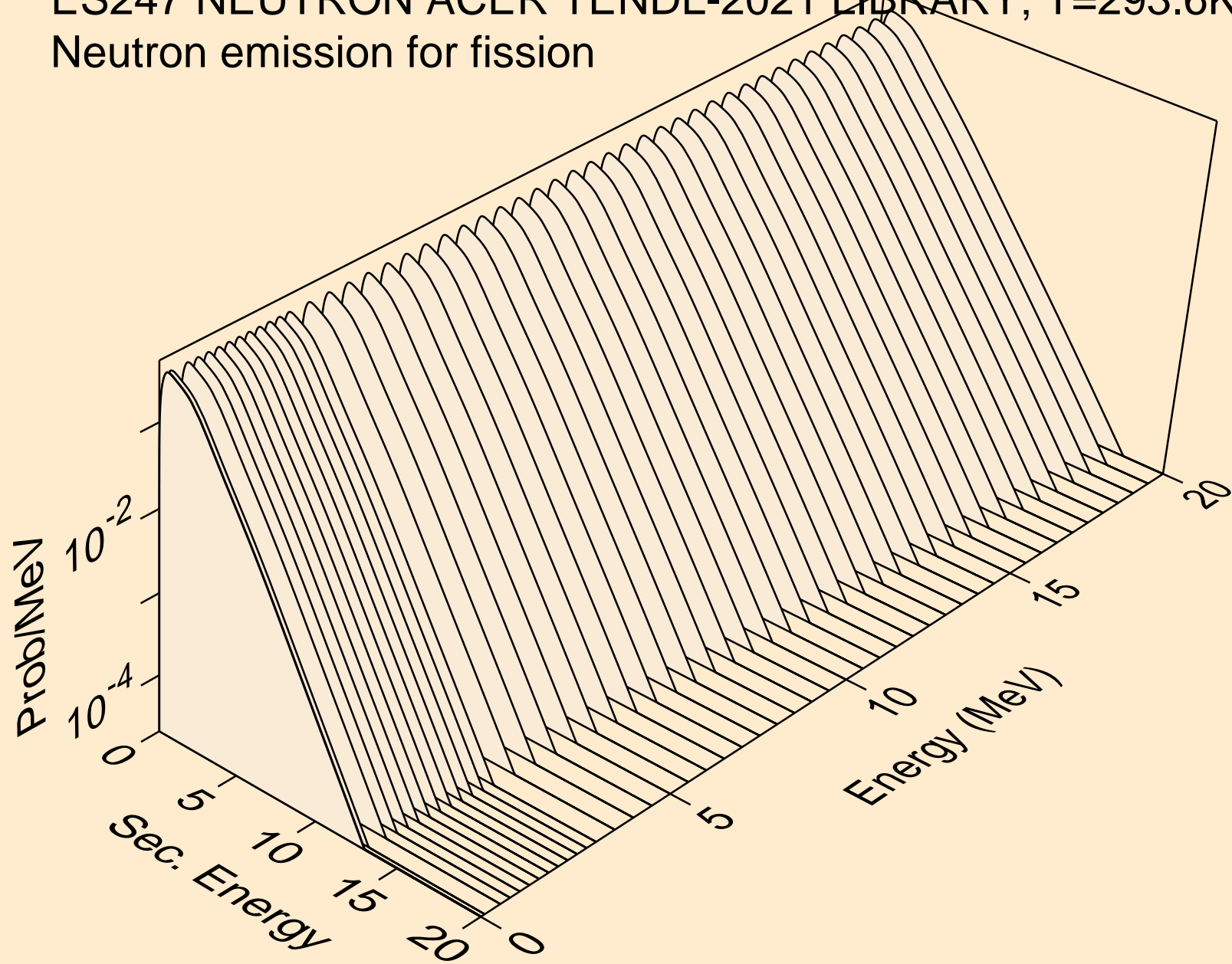
ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)



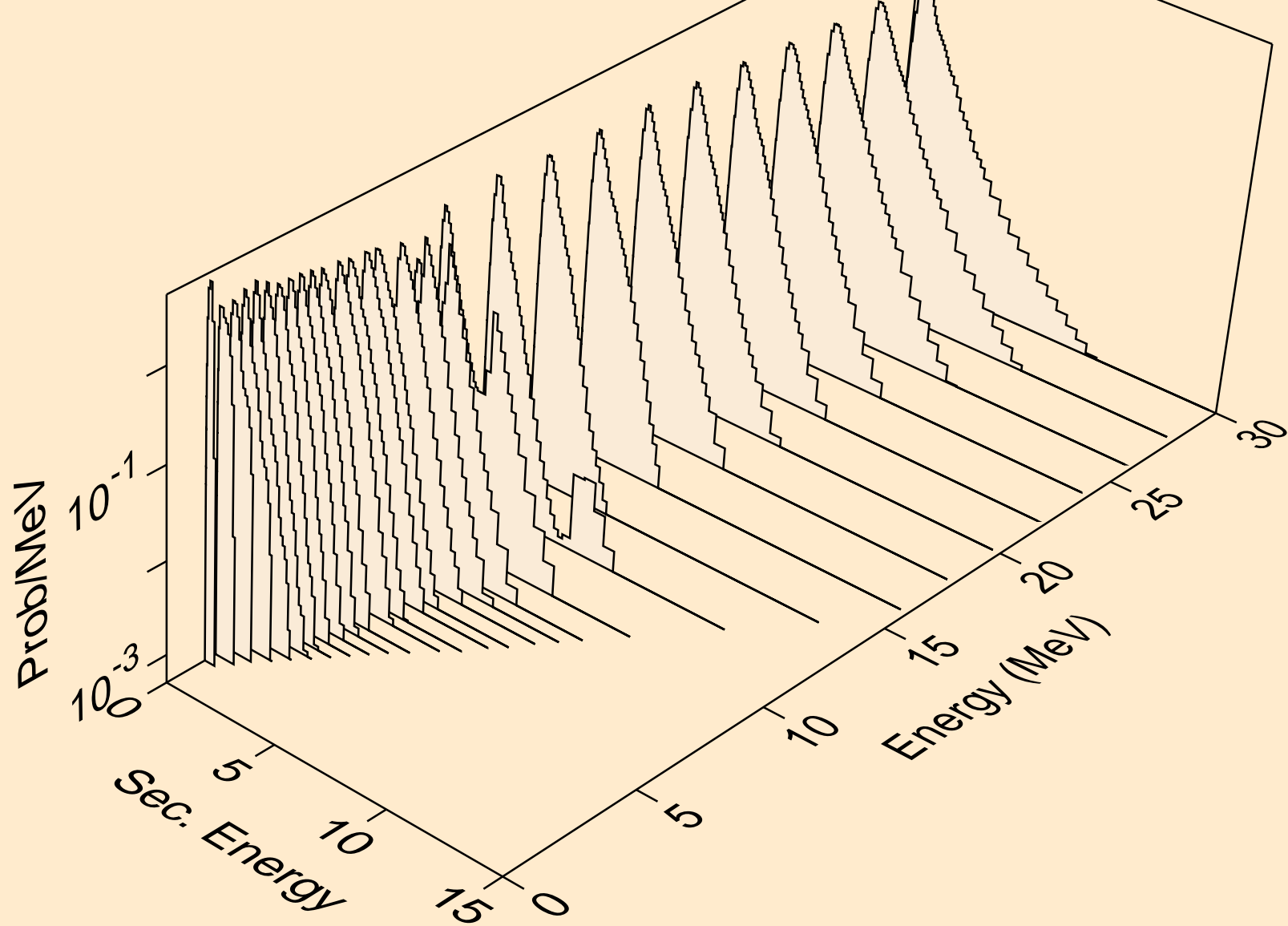
ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3n)



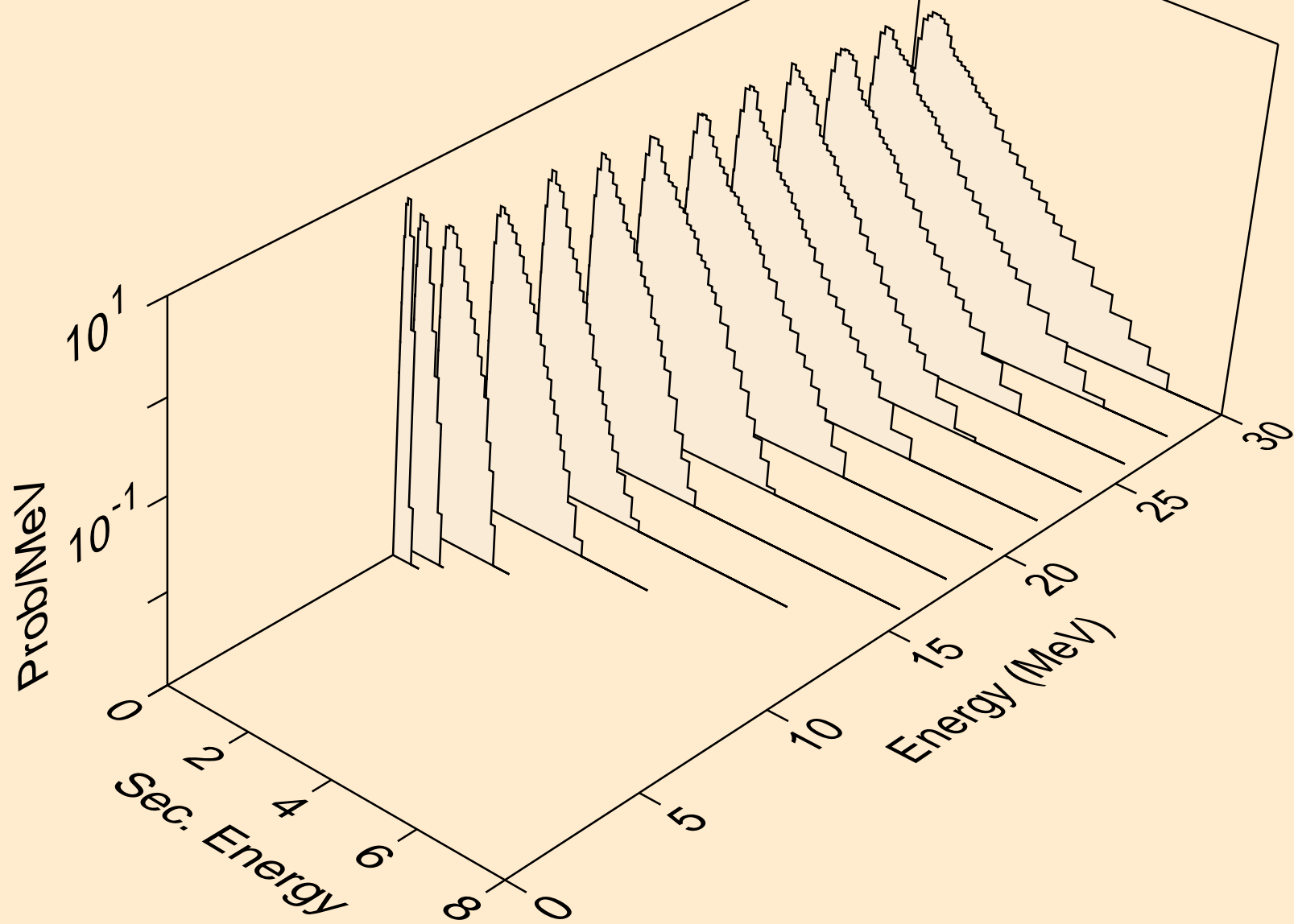
ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for fission



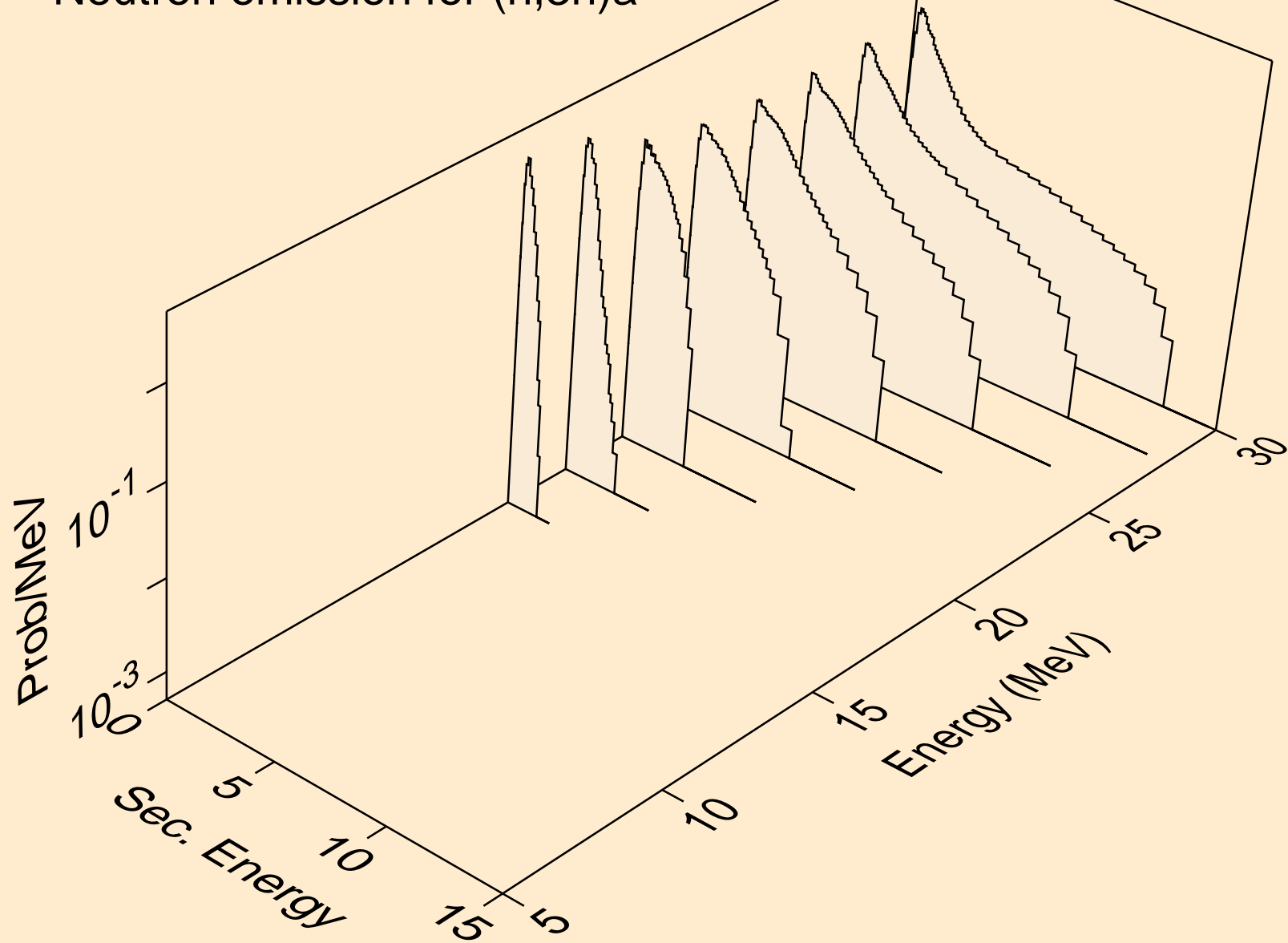
ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)a



ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)a

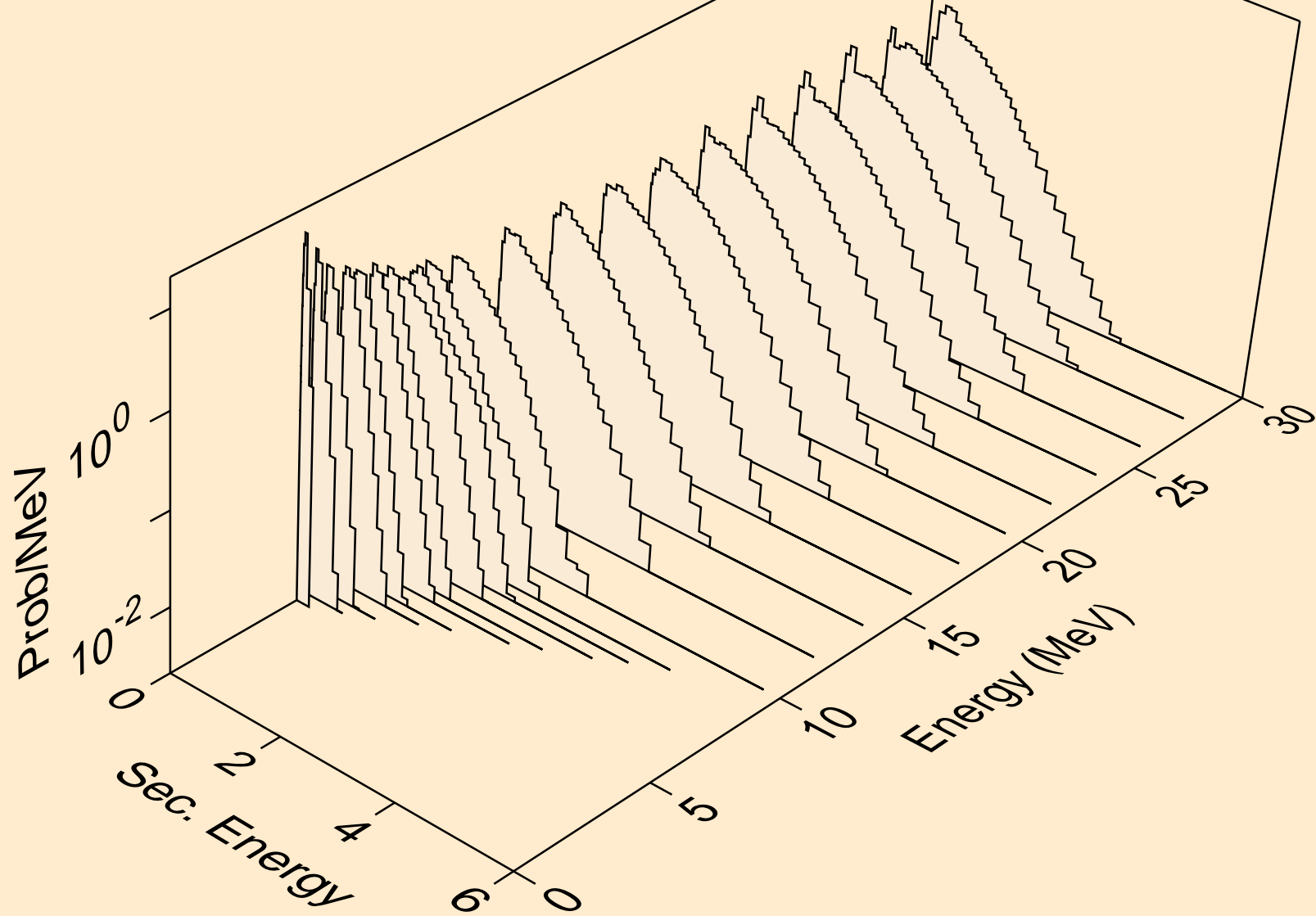


ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3n)a

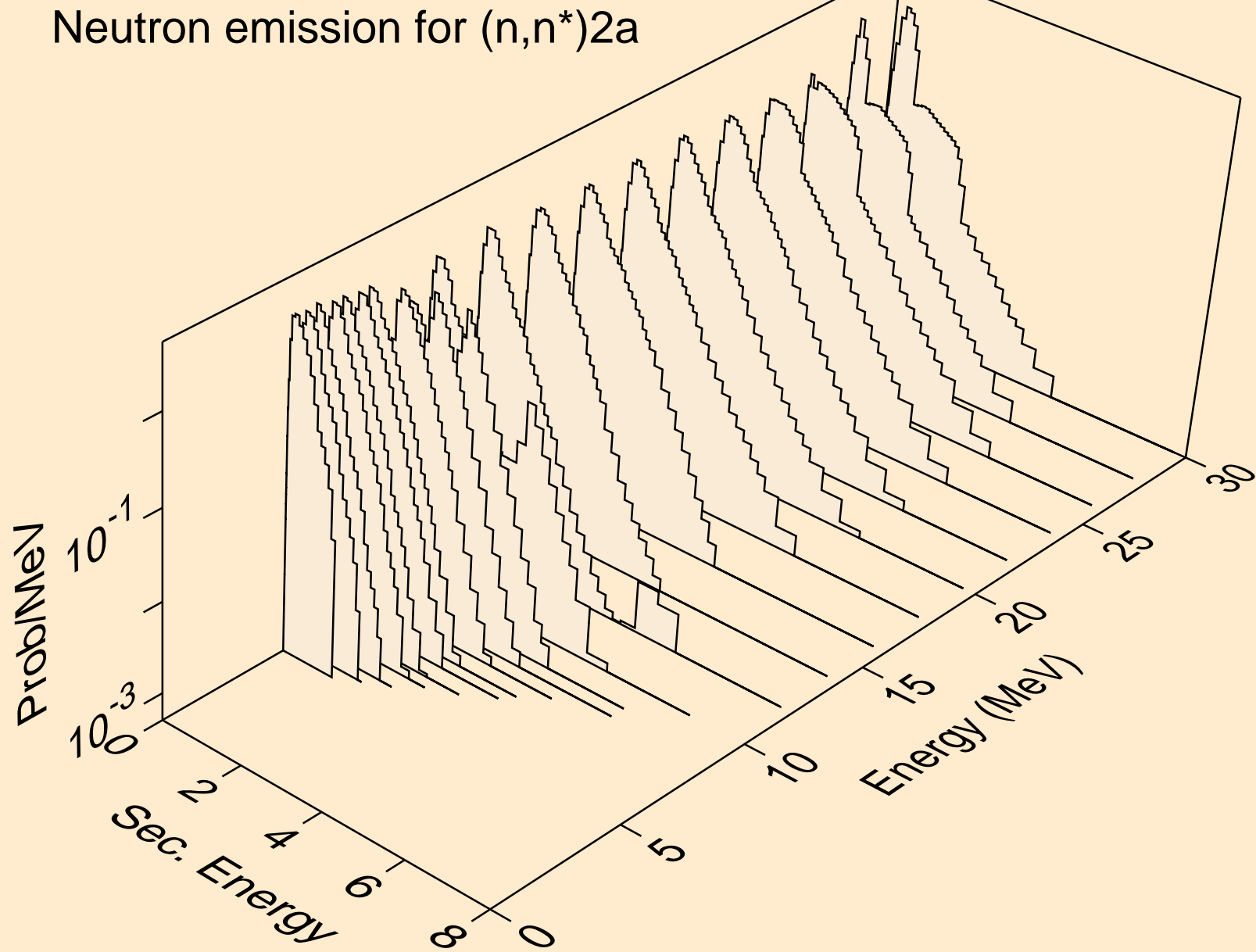




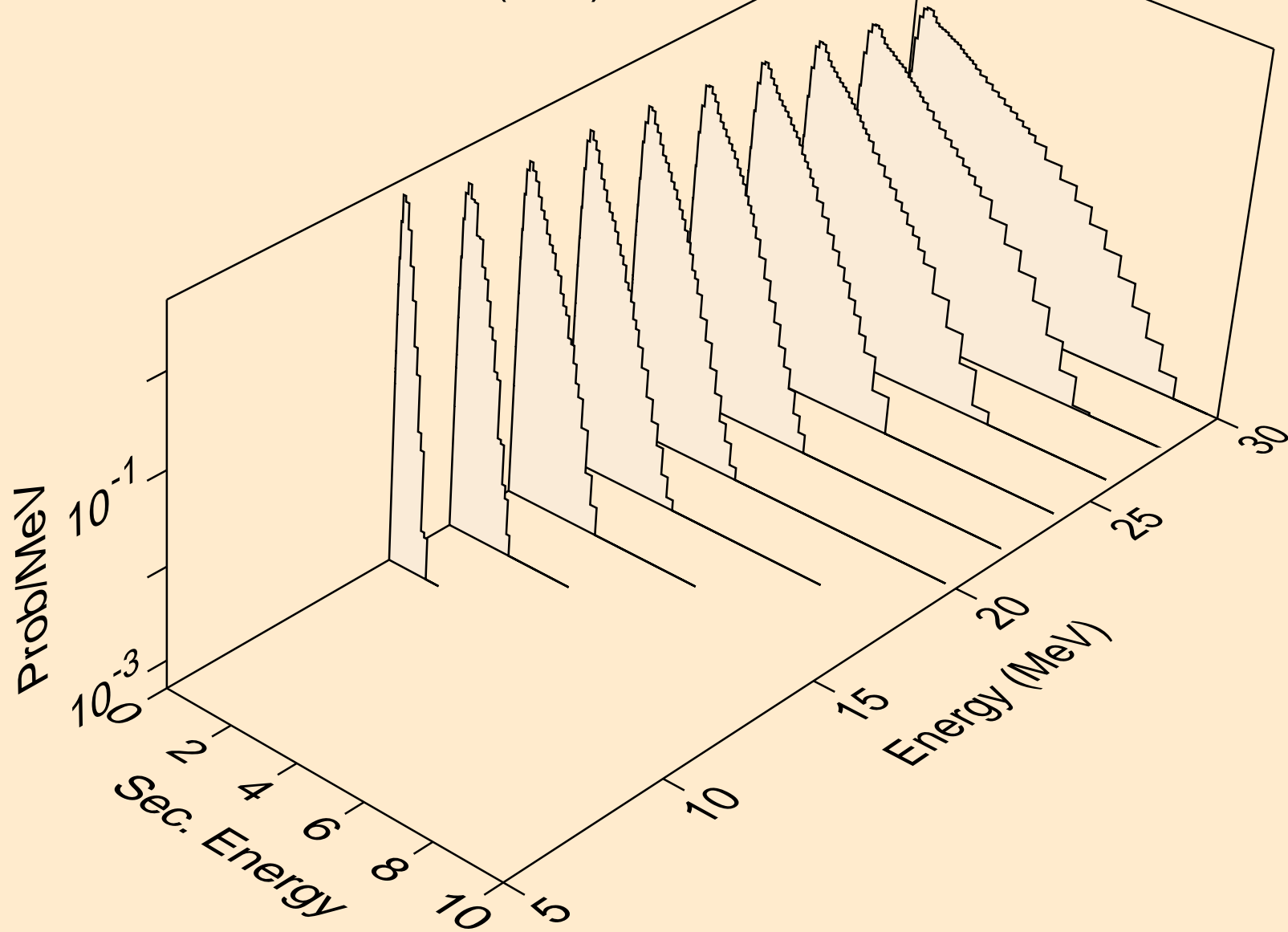
ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)p



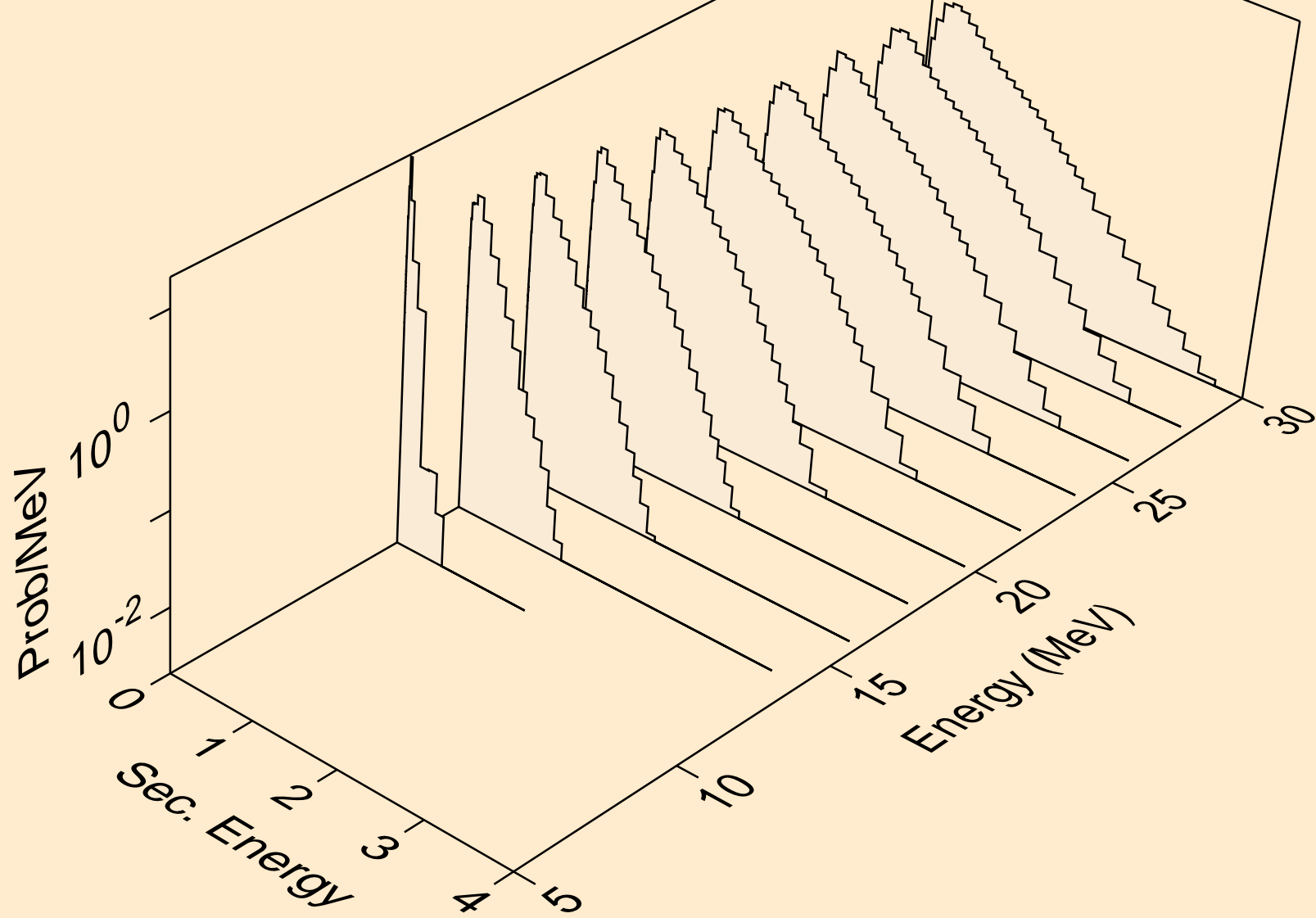
ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)2a



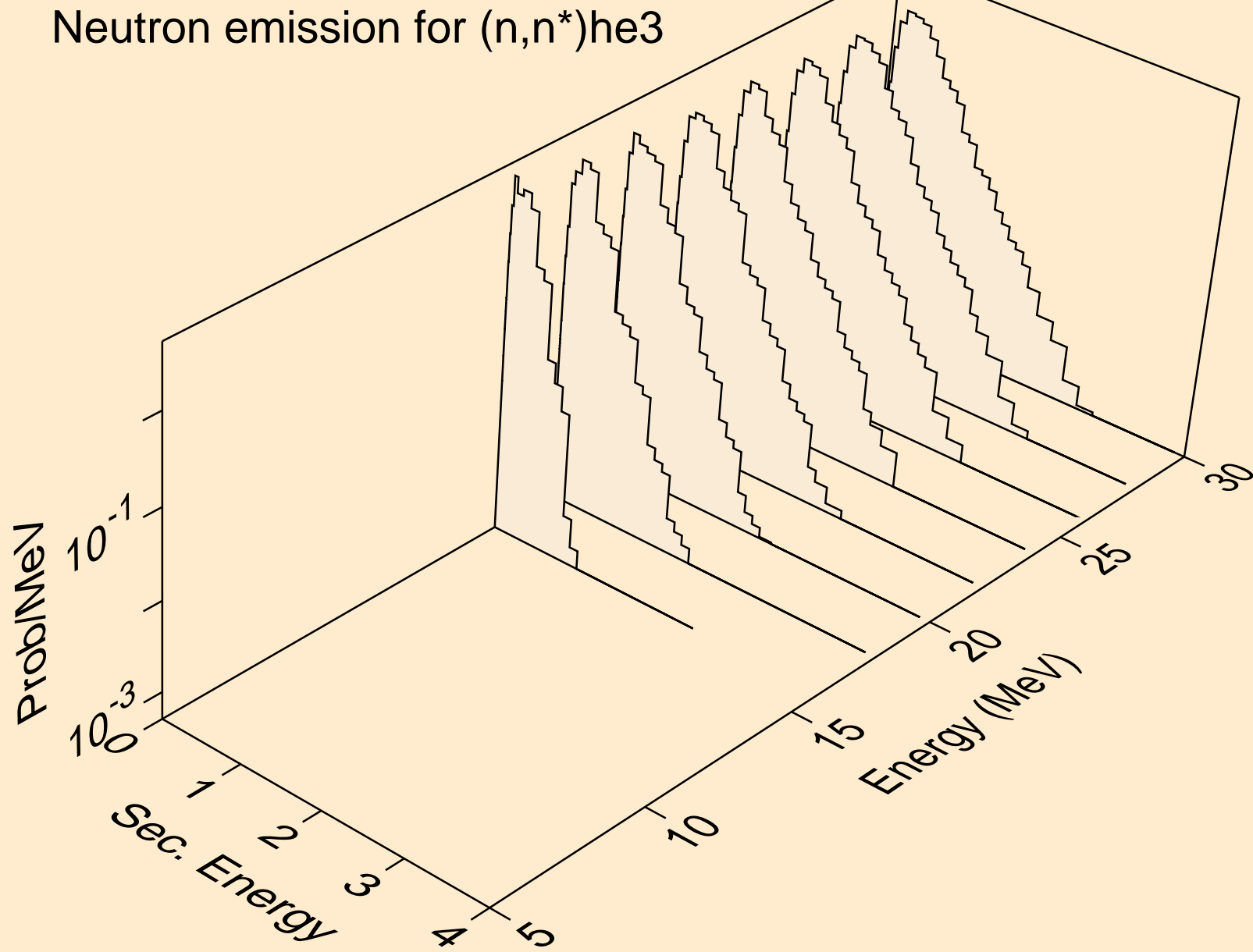
ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)d



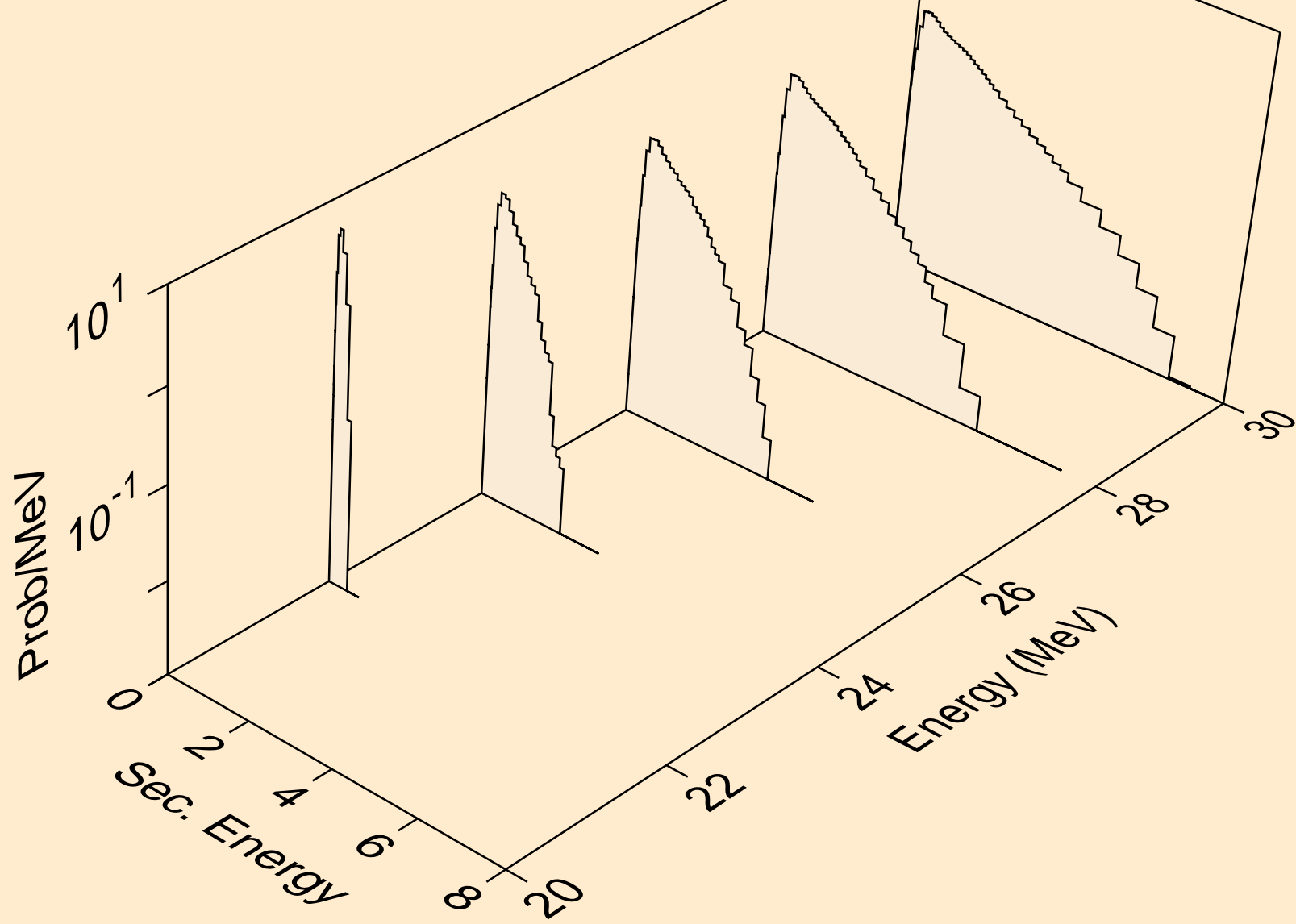
ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)t



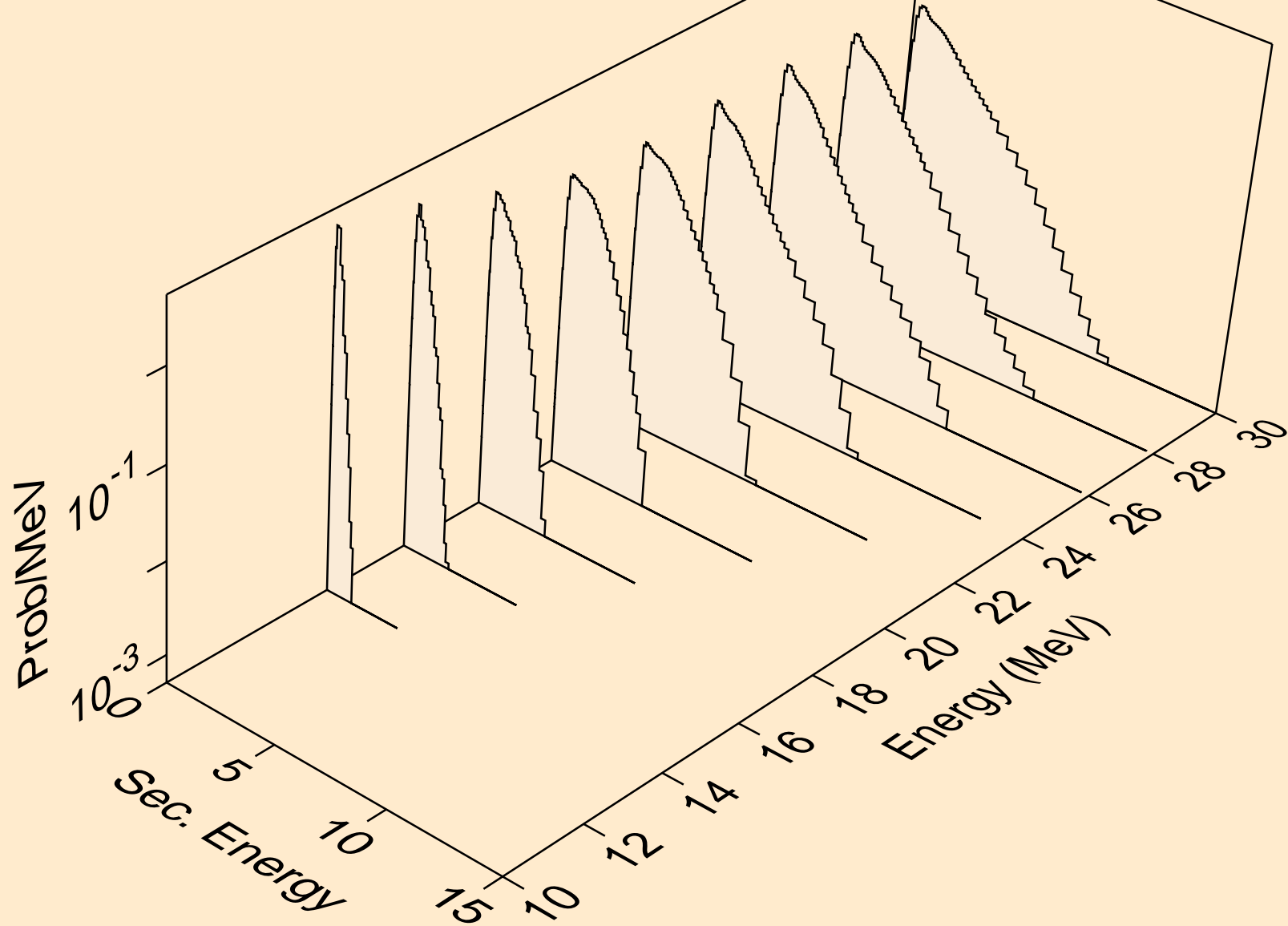
ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)he3



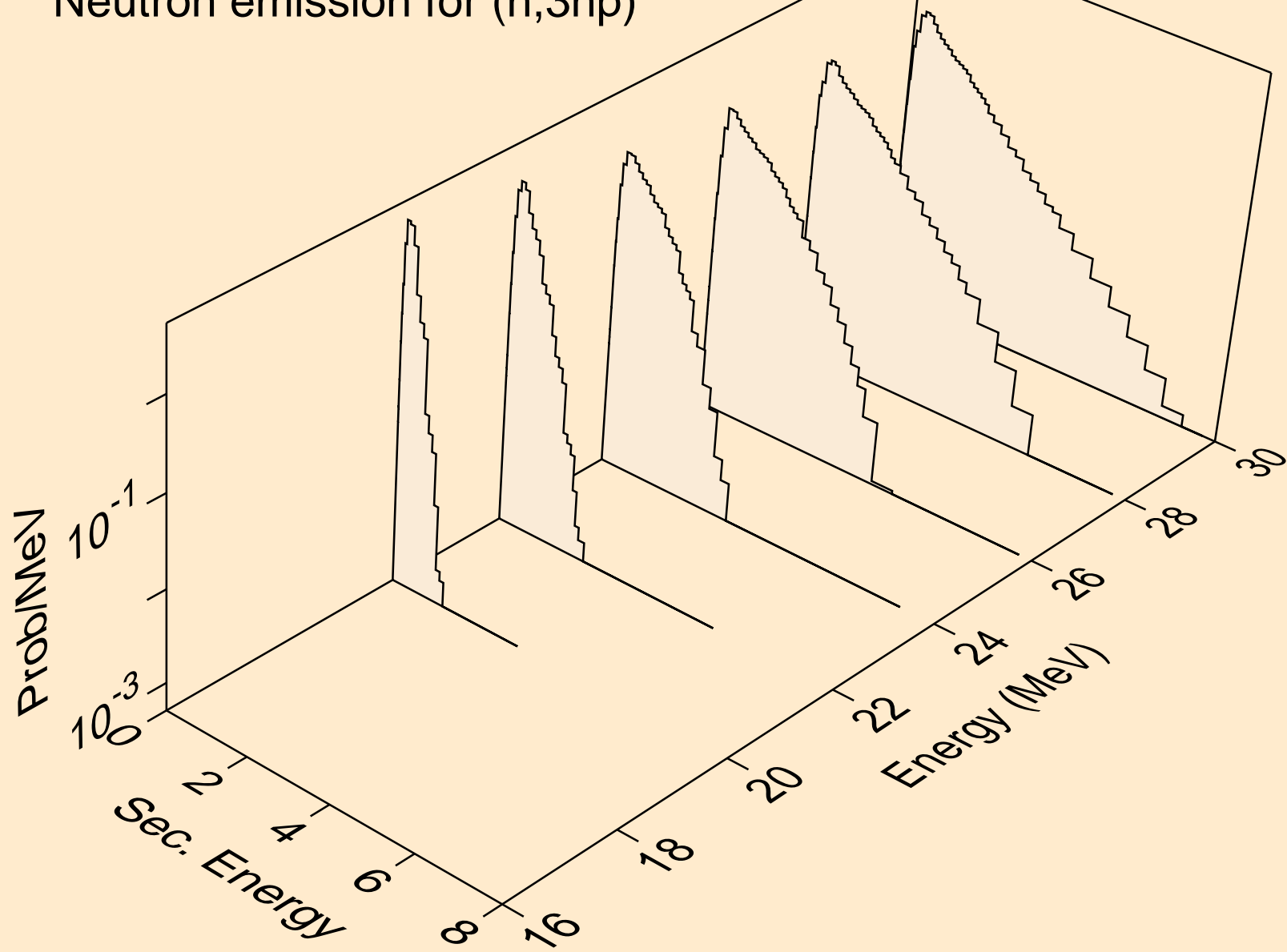
ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,4n)



ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2np)

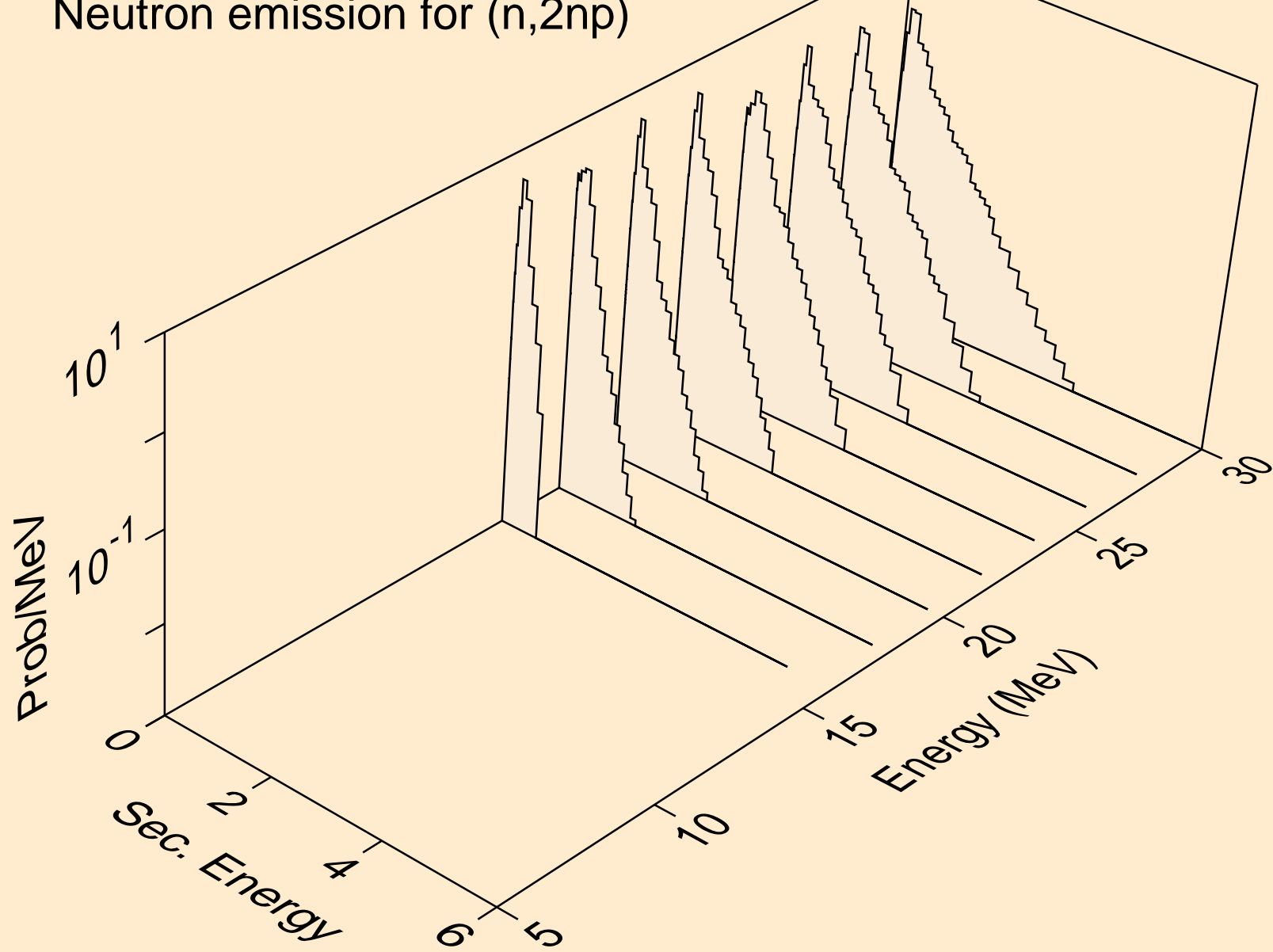


ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3np)

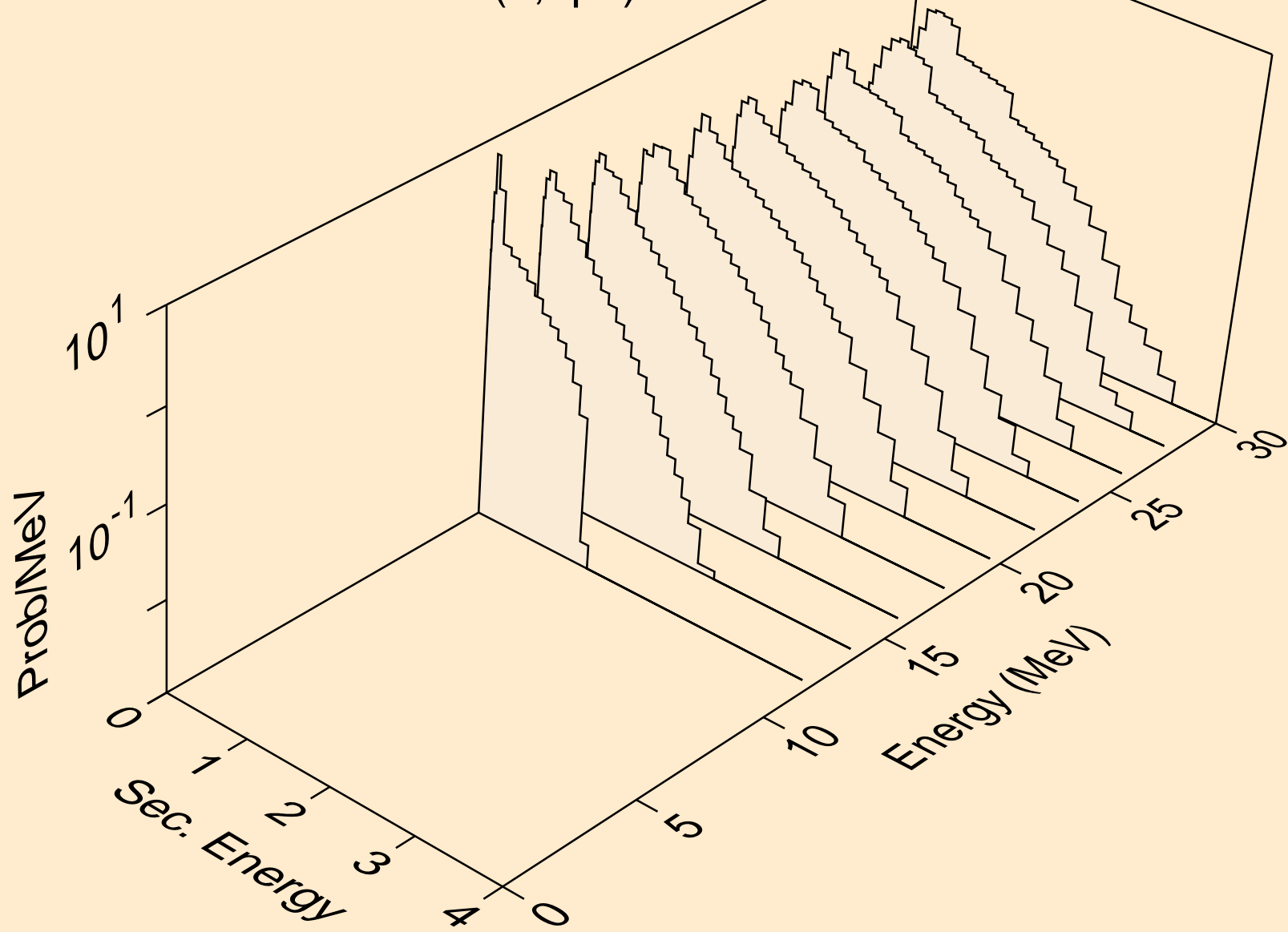




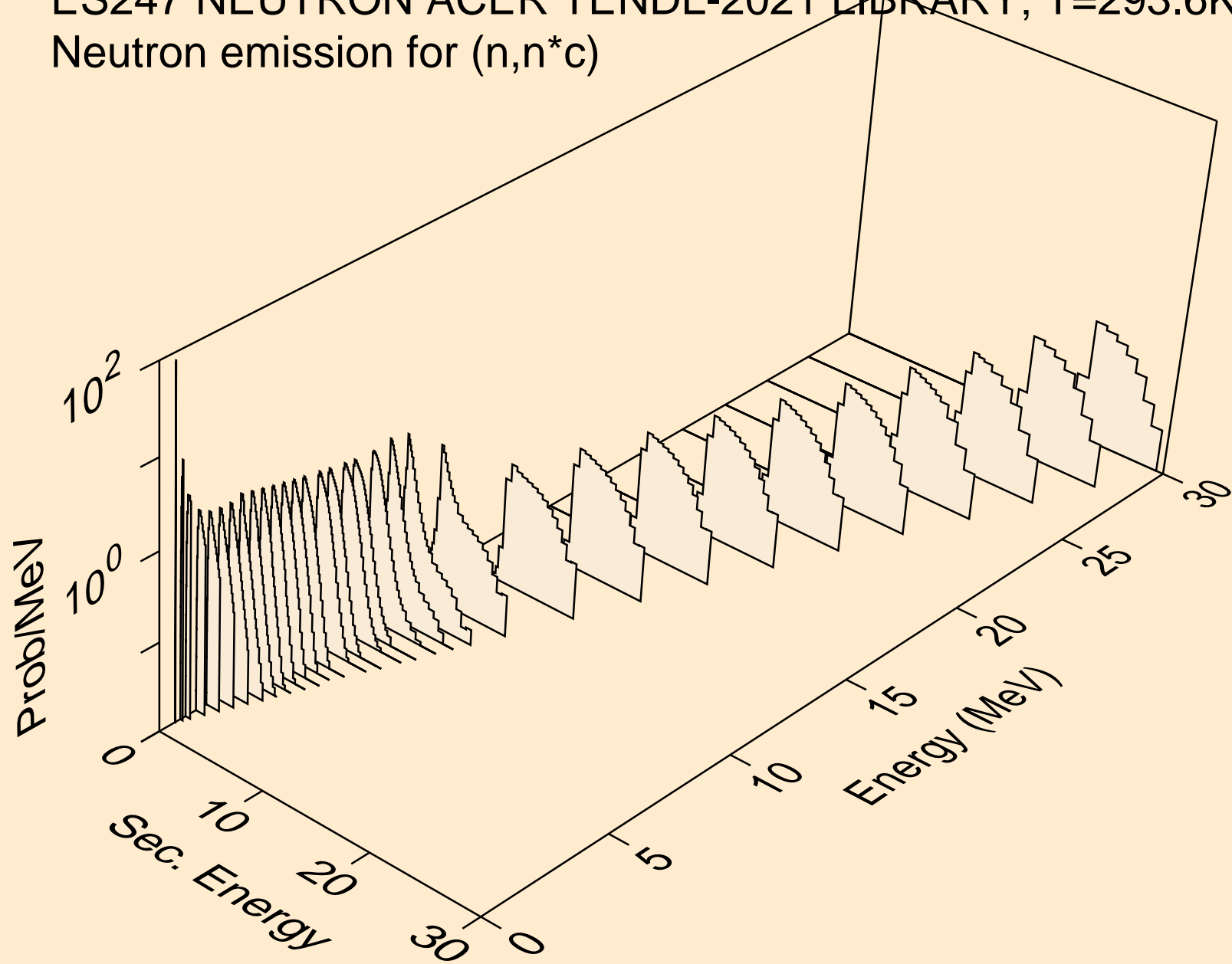
ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2np)



ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,npa)

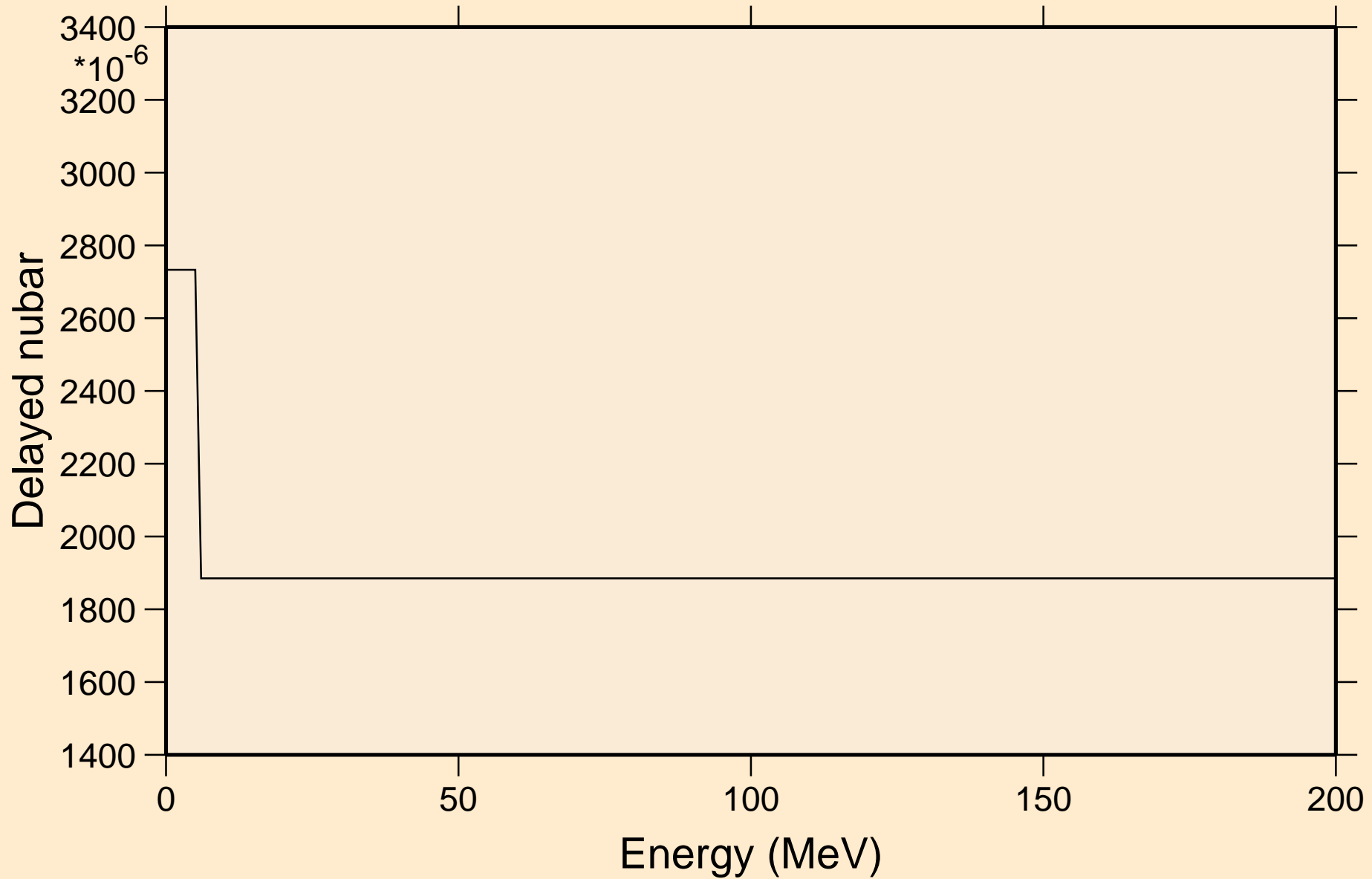


ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*c)



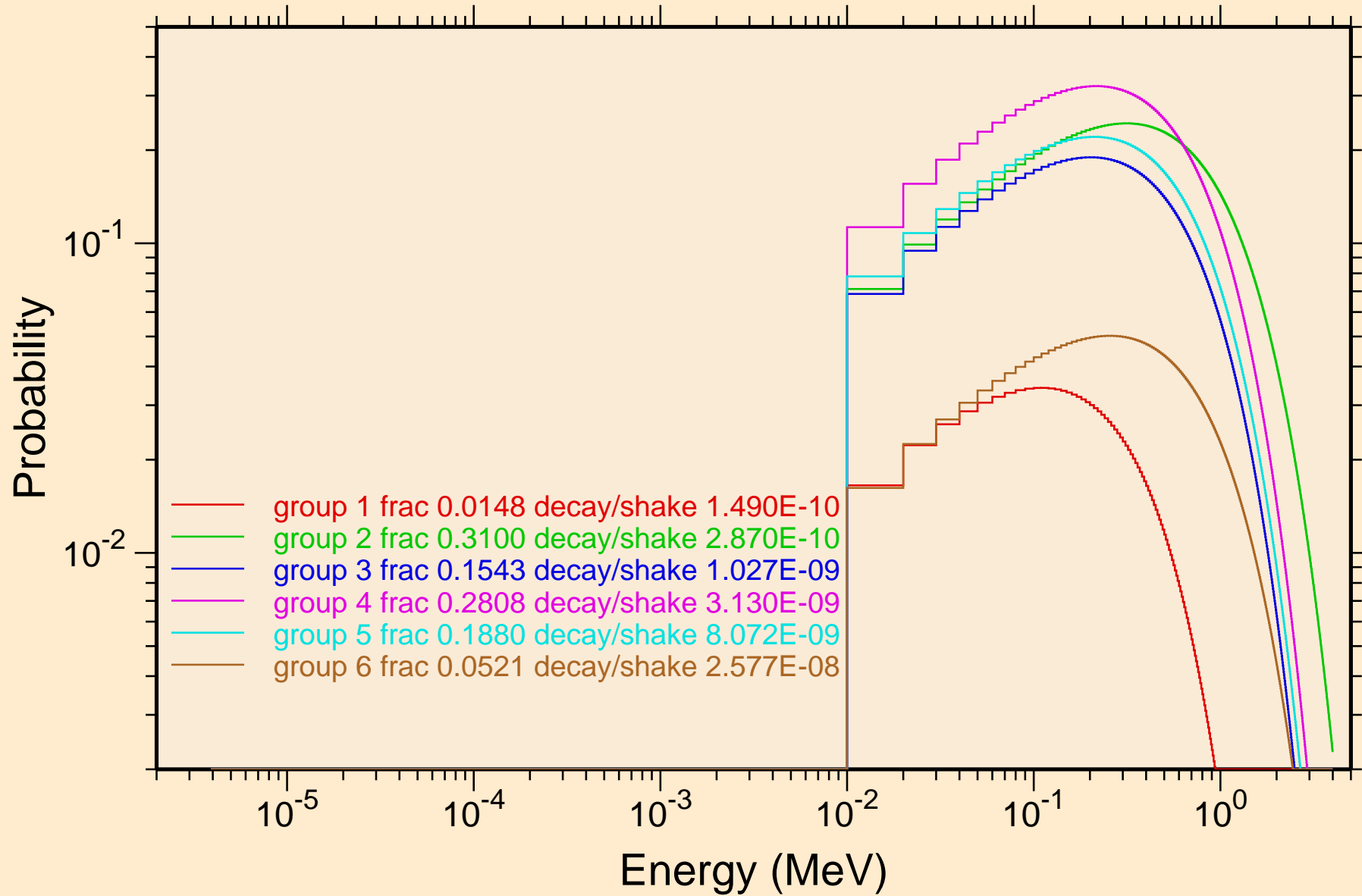
# ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Delayed nubar

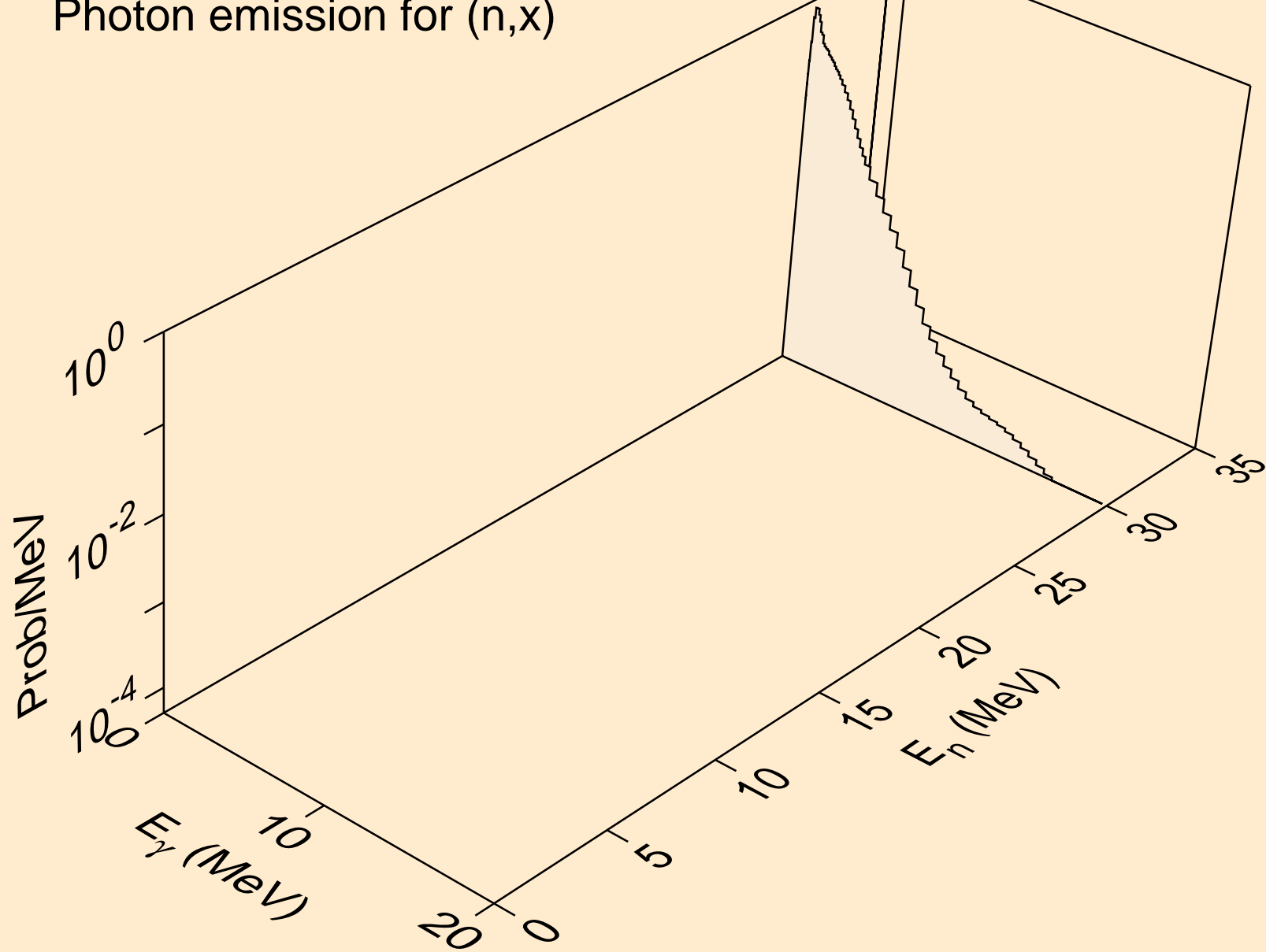


# ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

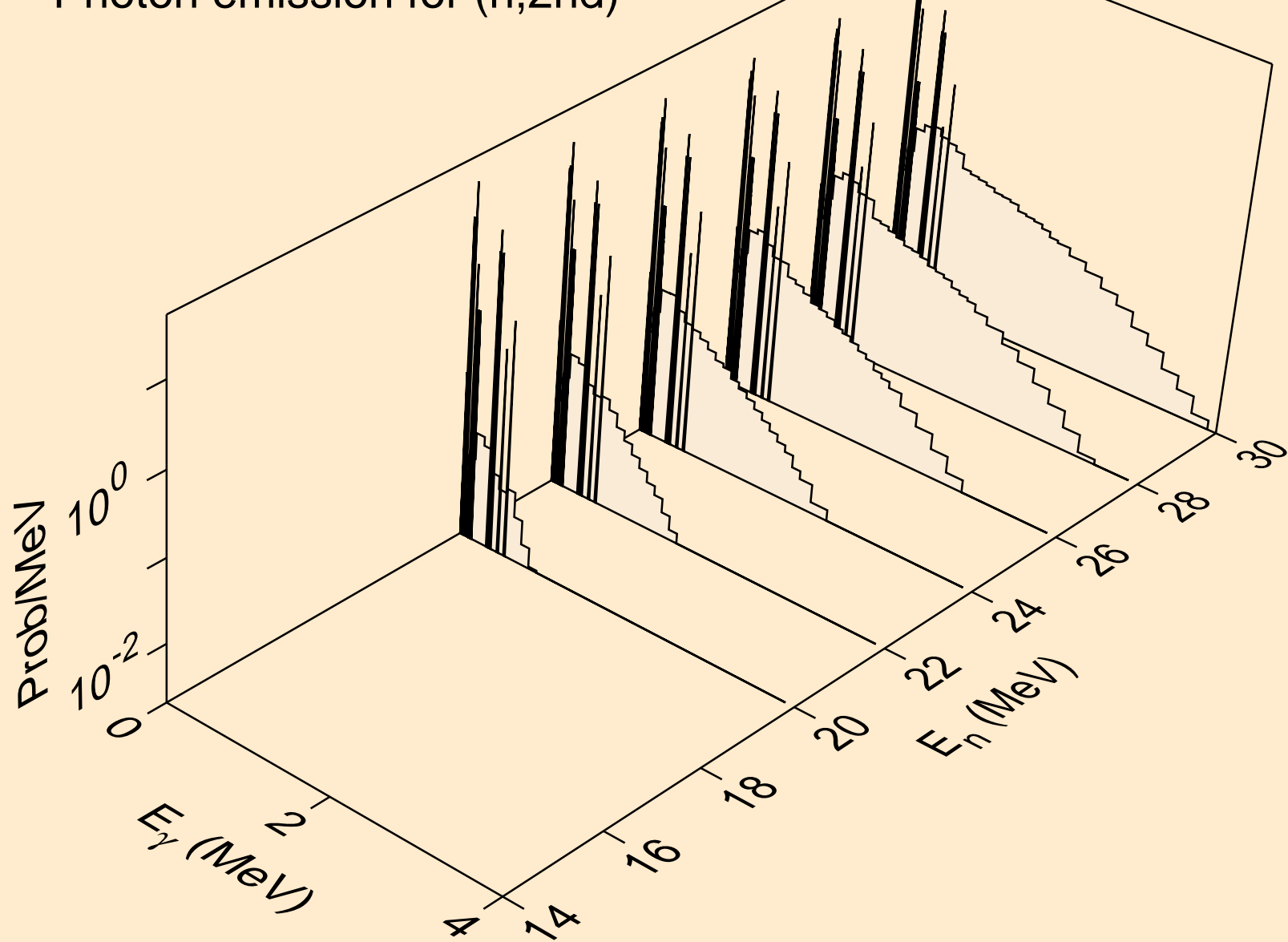
## Delayed neutron spectra



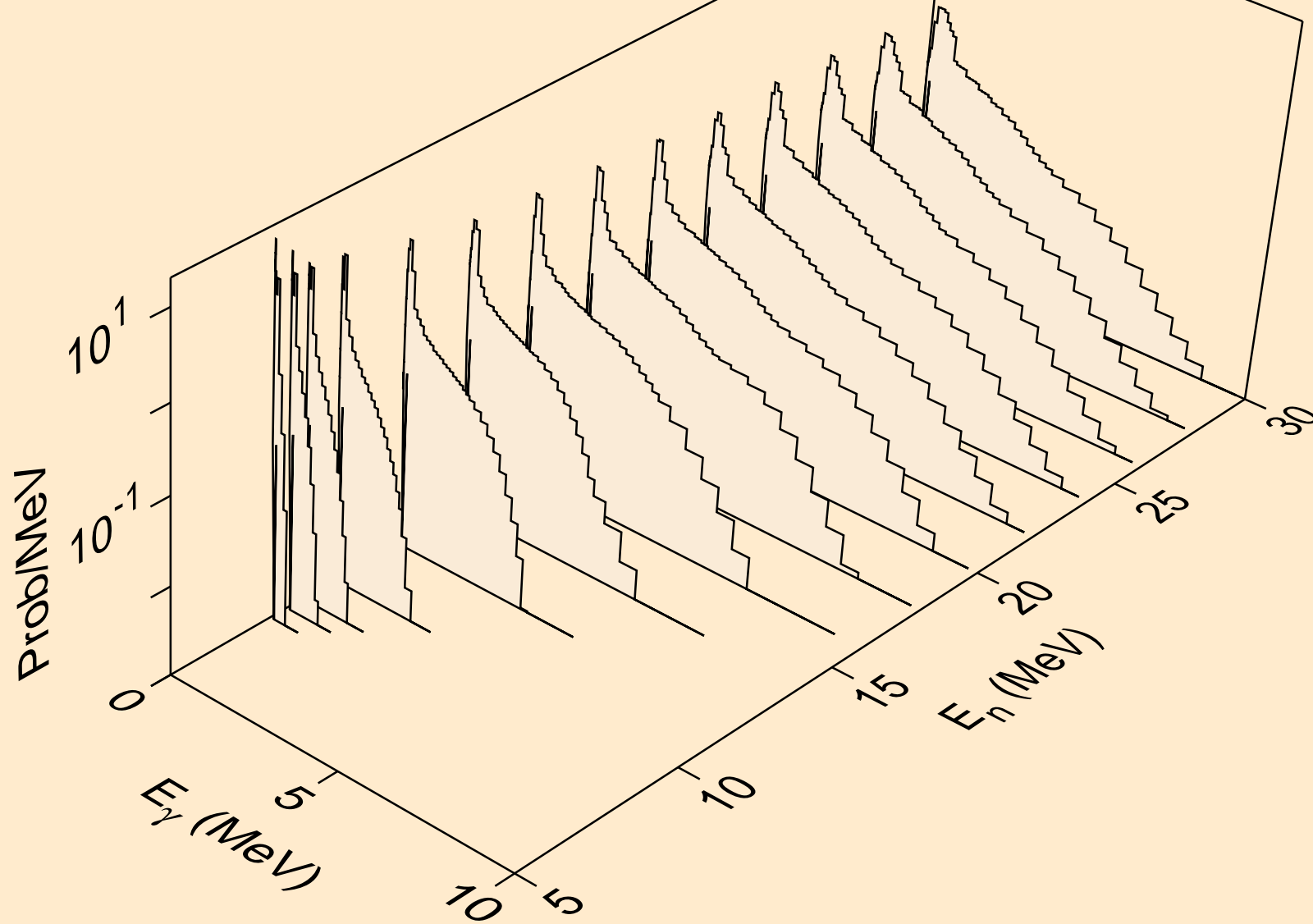
ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,x)



ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2nd)

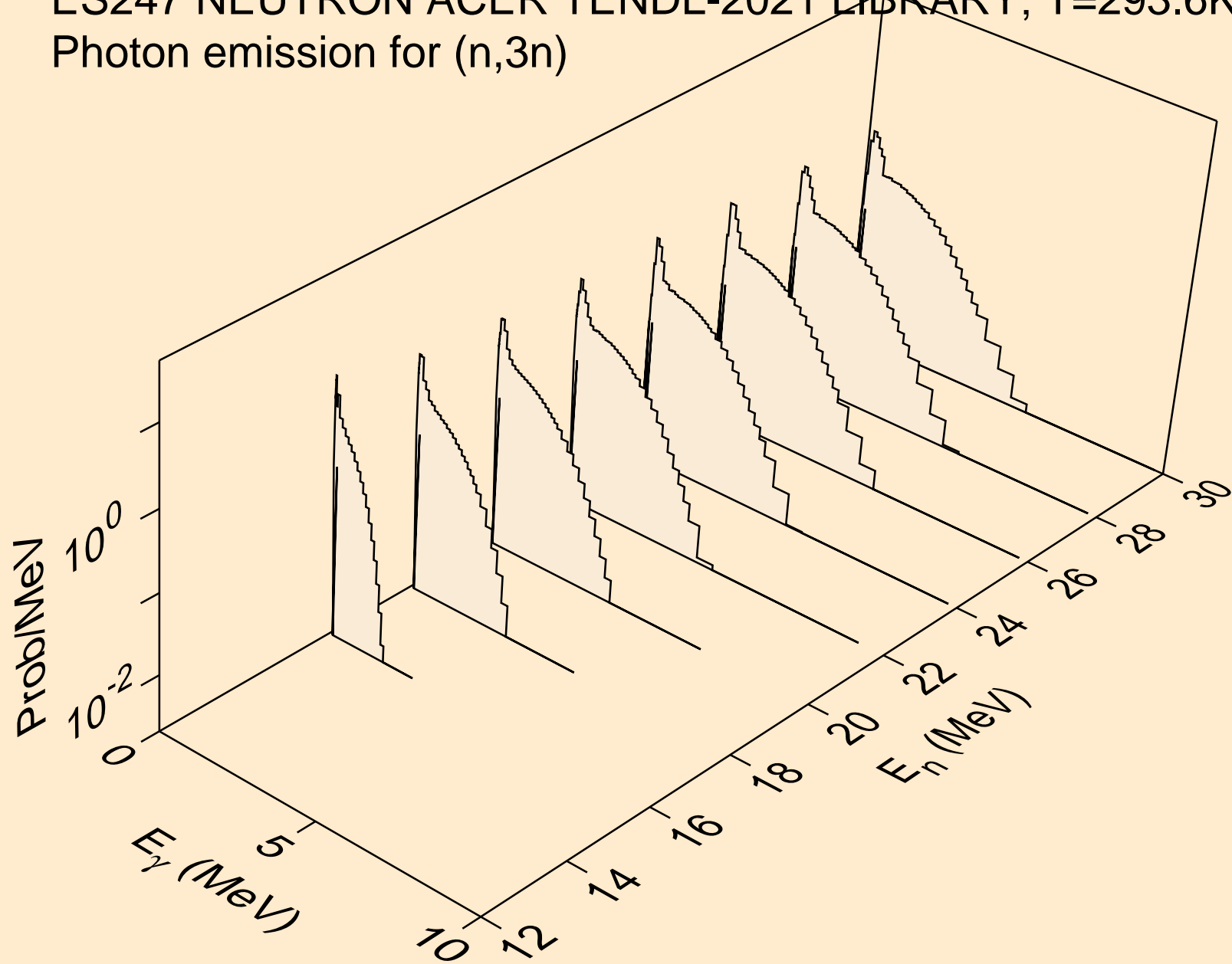


ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2n)

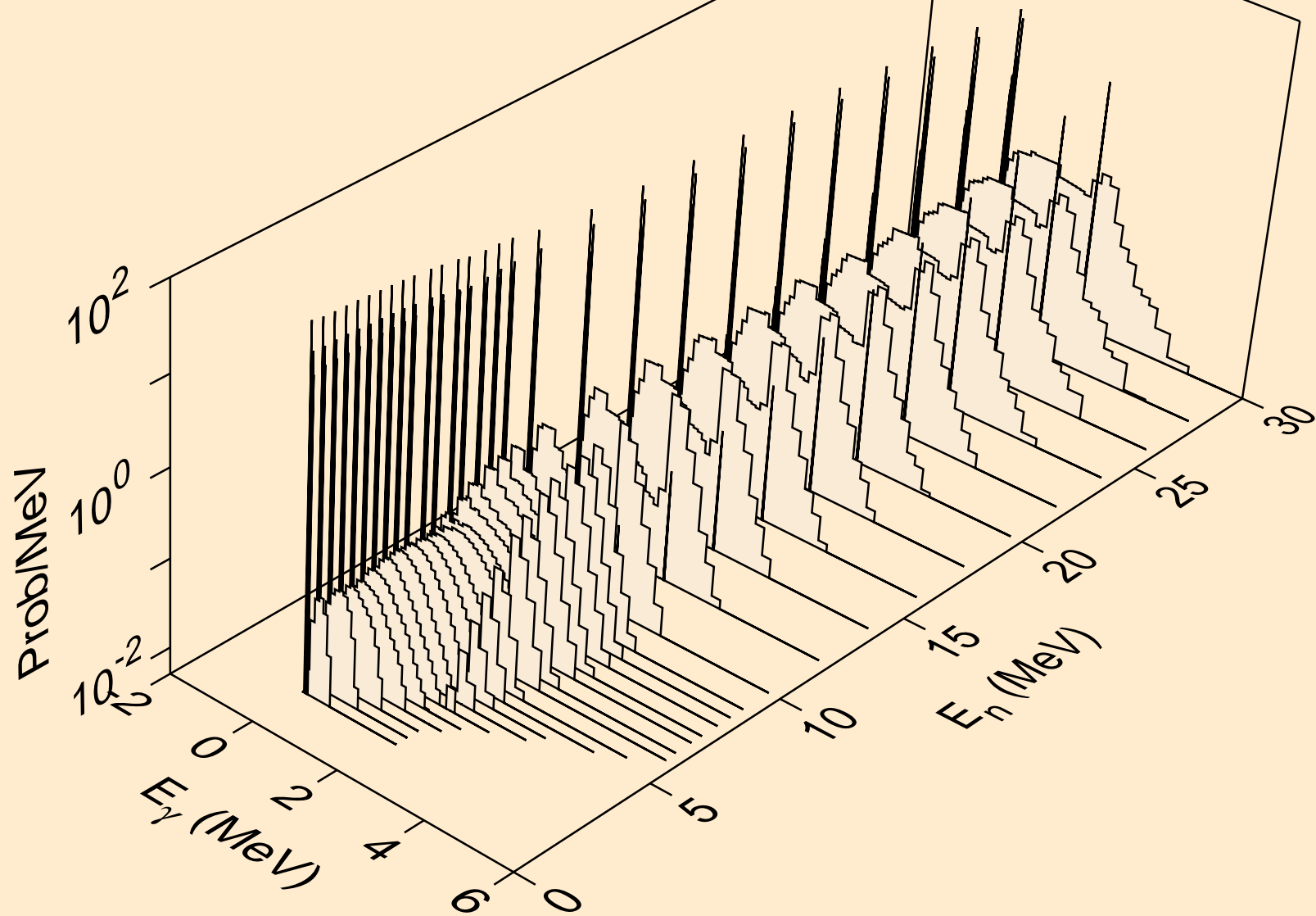




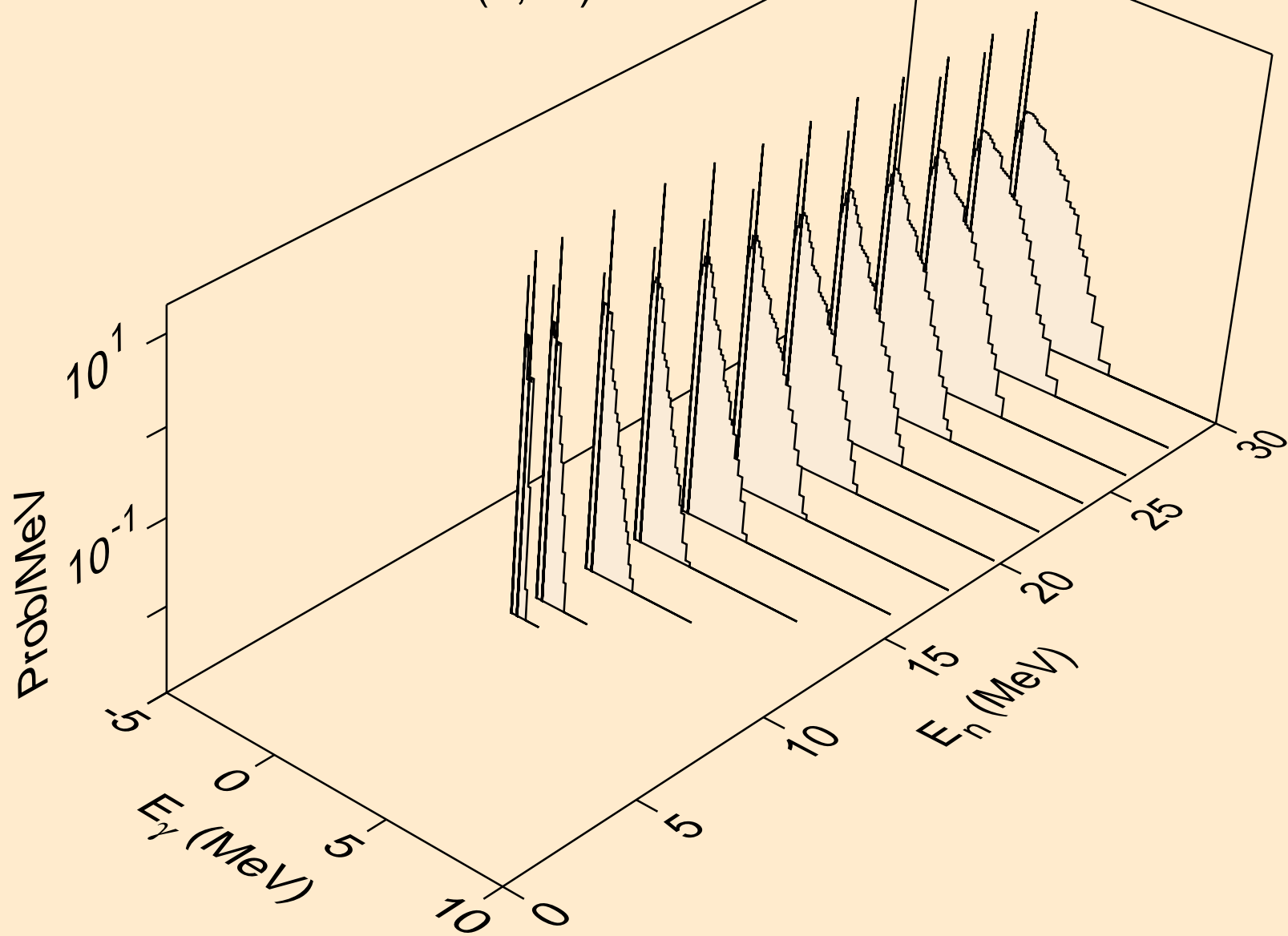
ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3n)



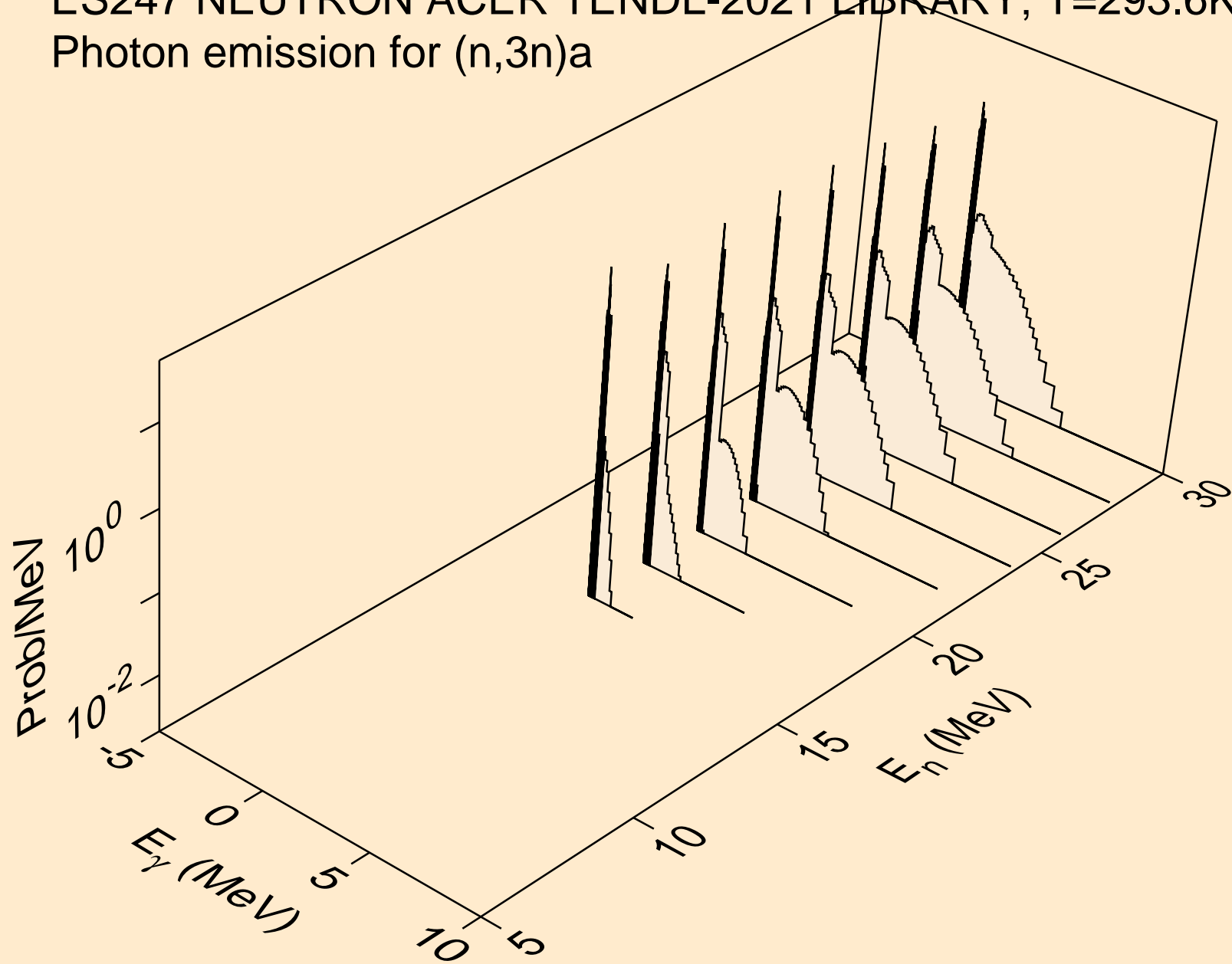
ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)a



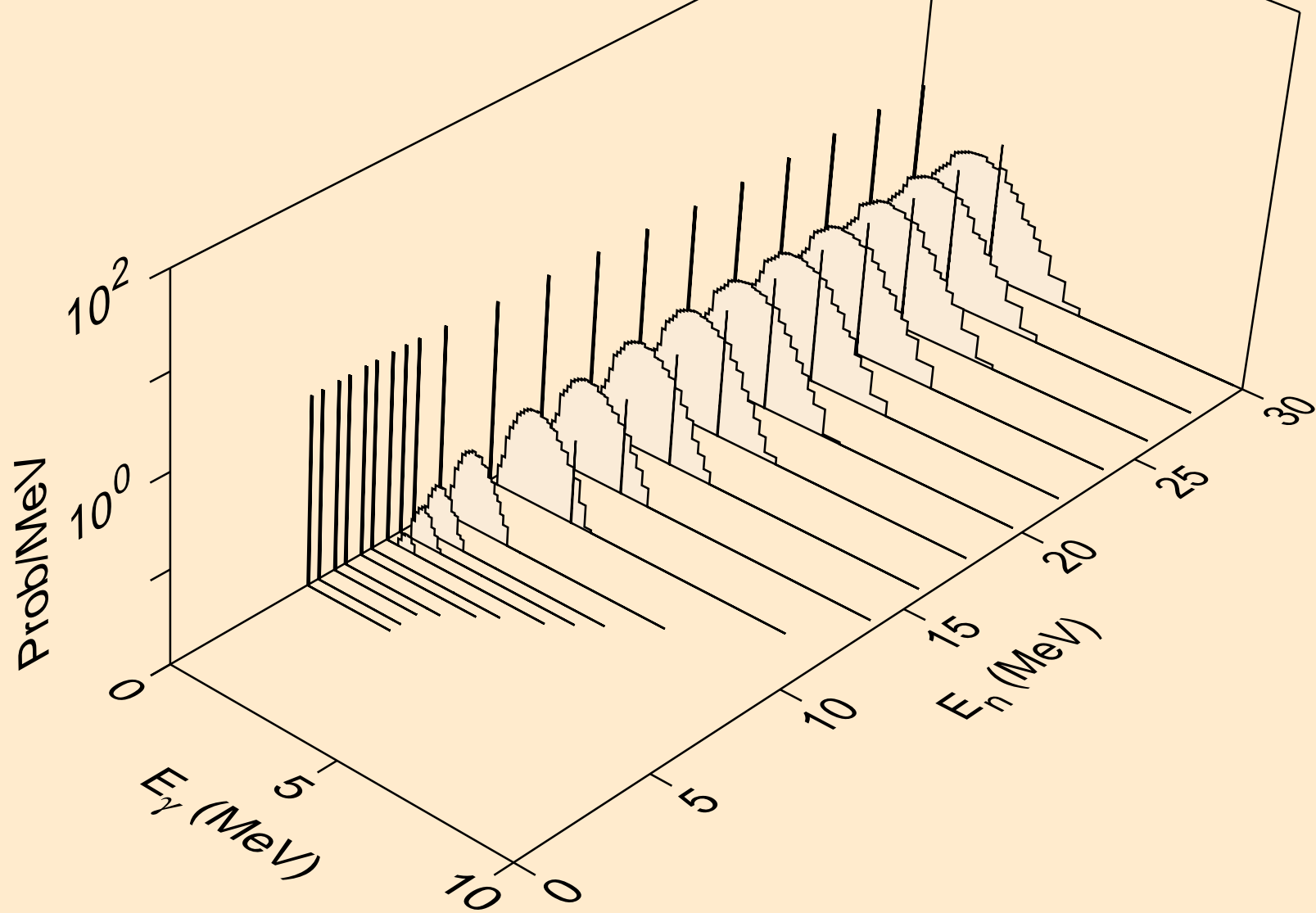
ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2n)a



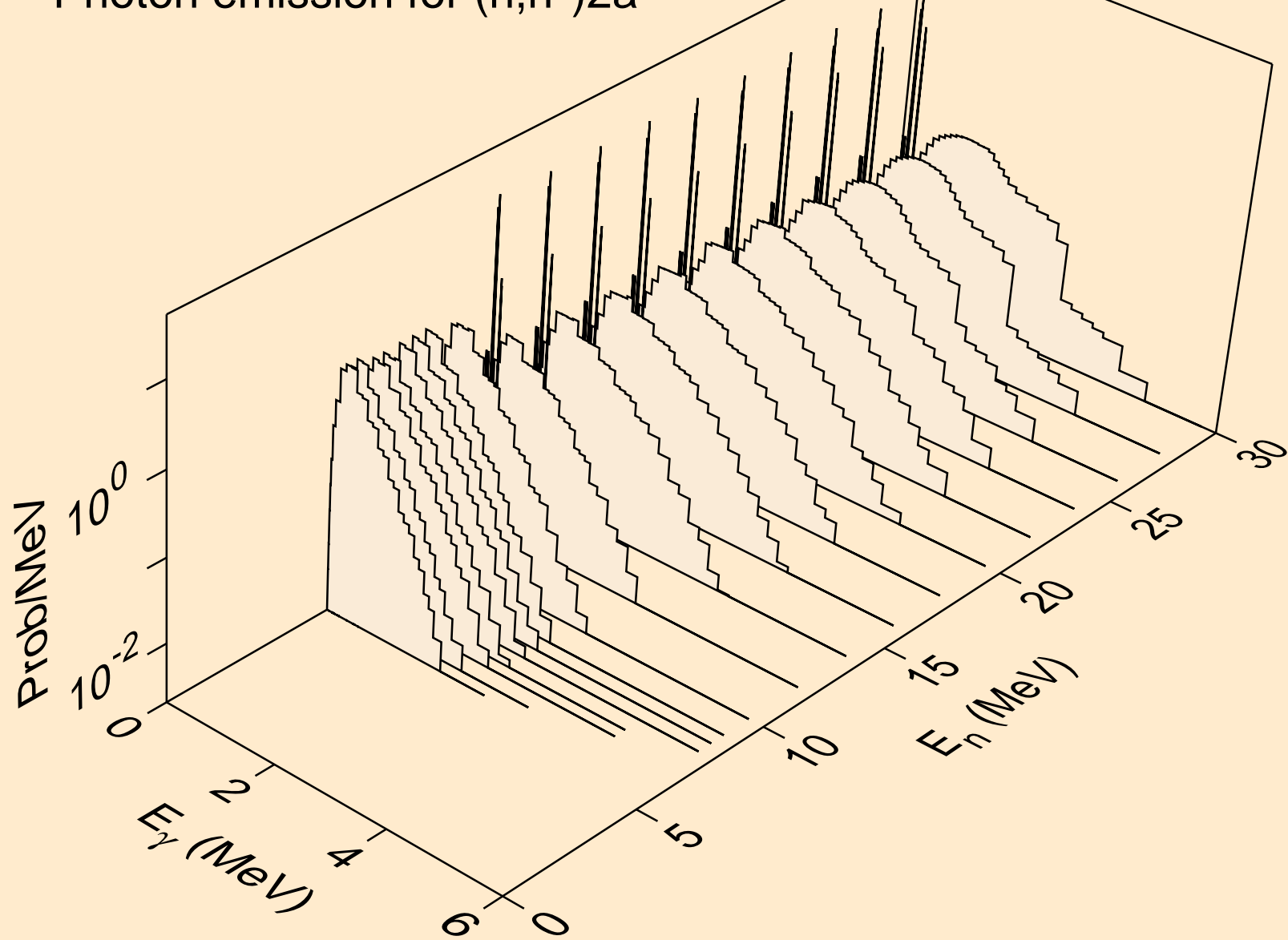
ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3n)a



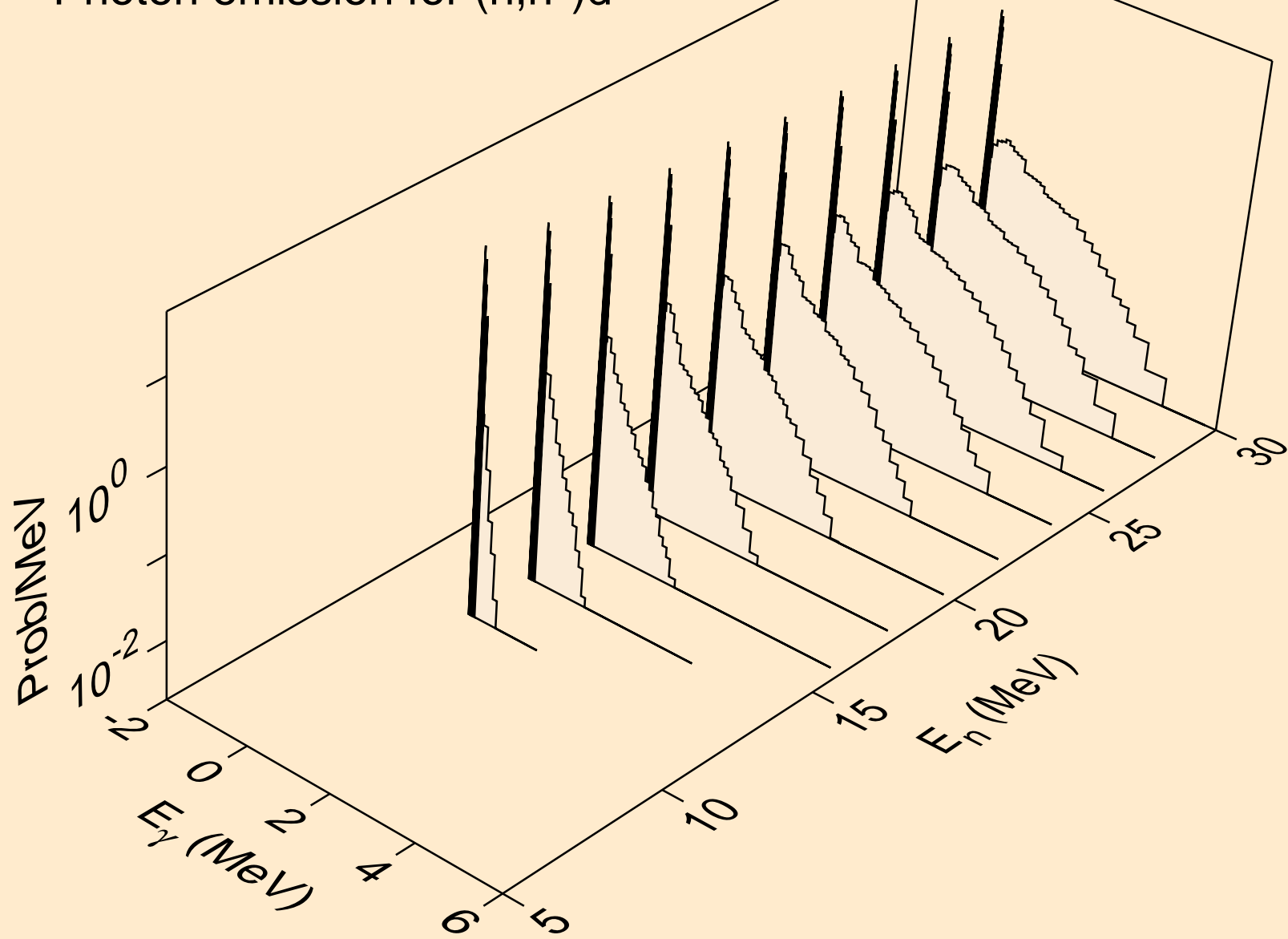
ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)p



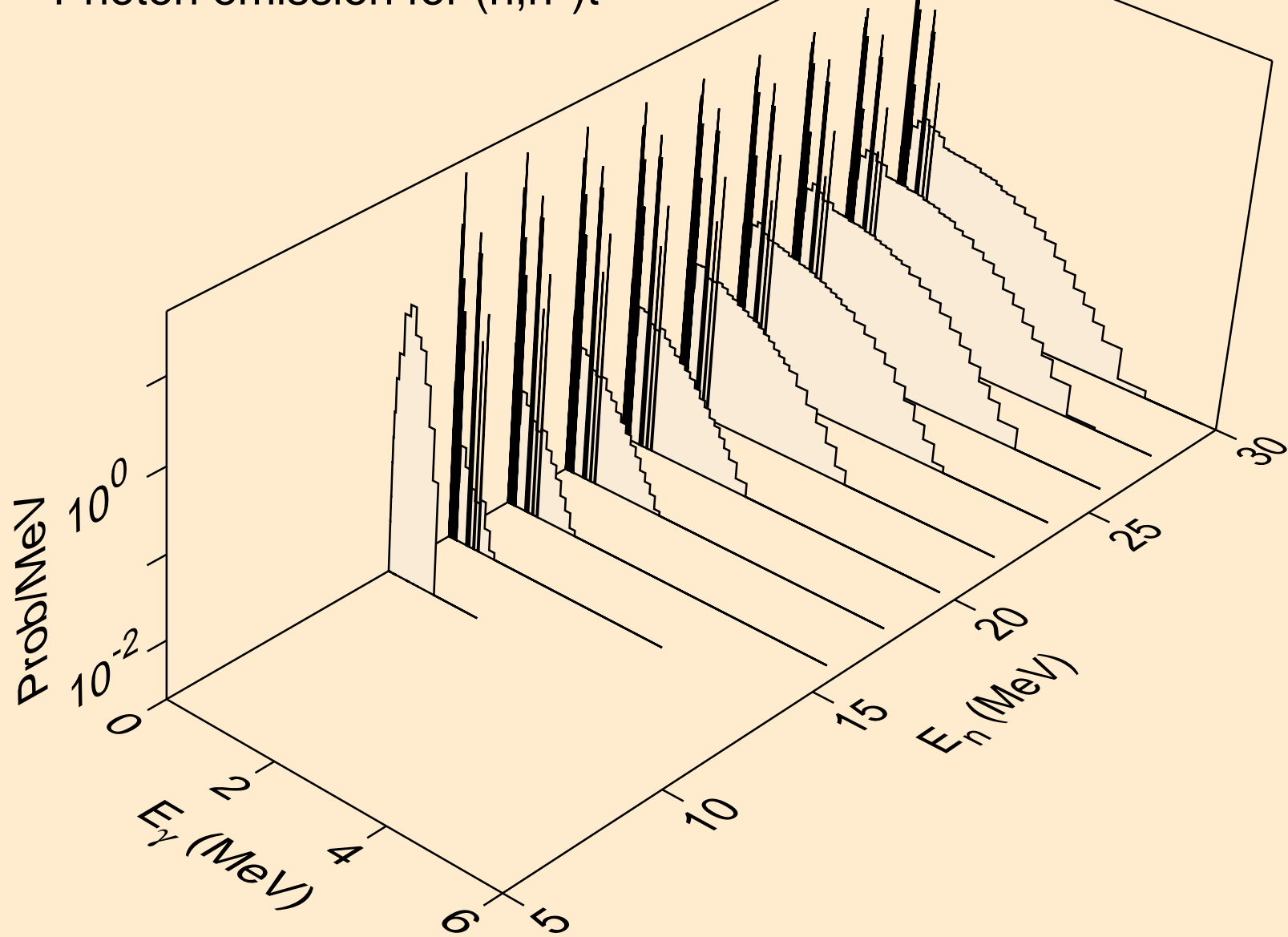
ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)2a



ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)d

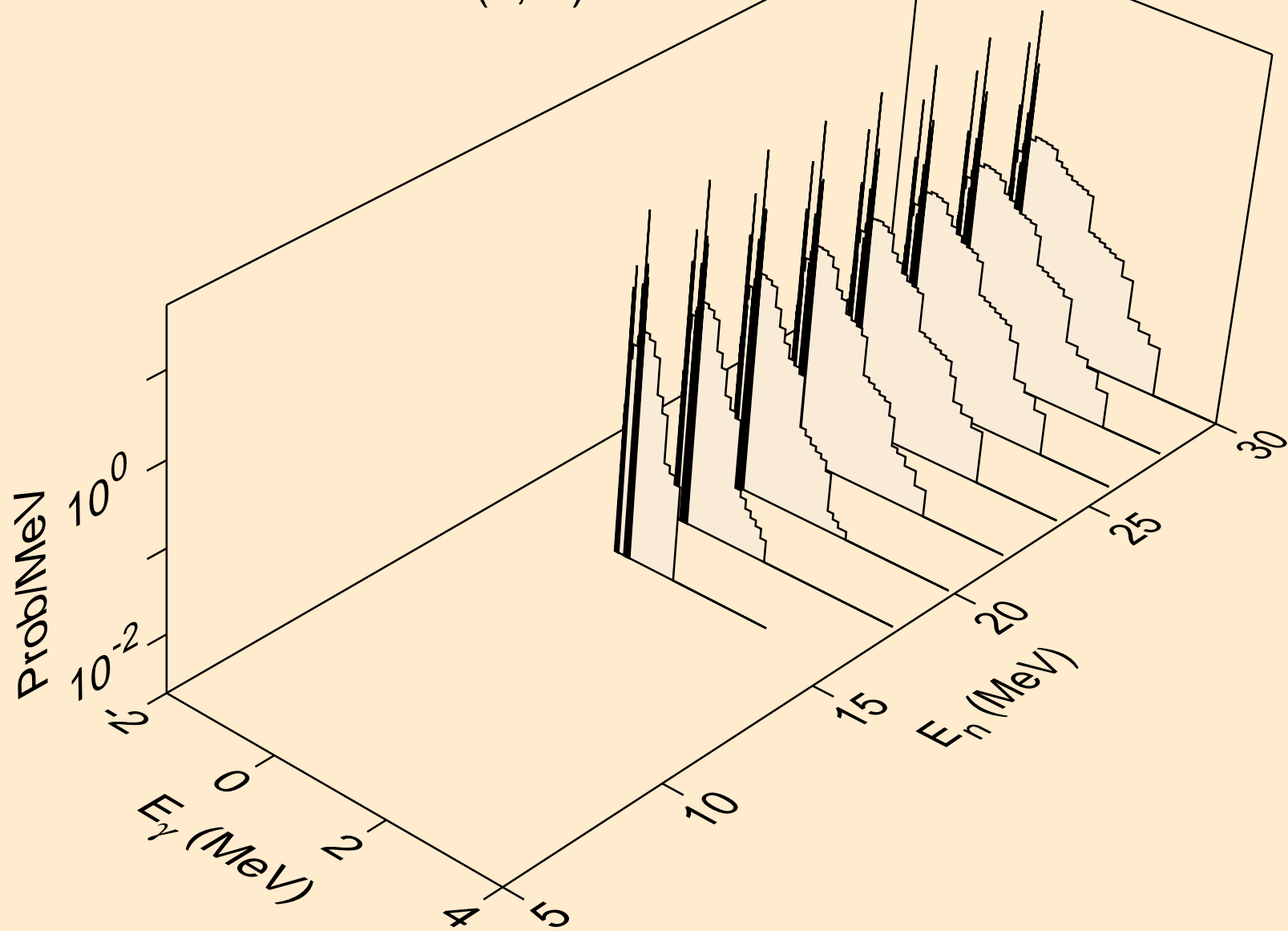


ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)t

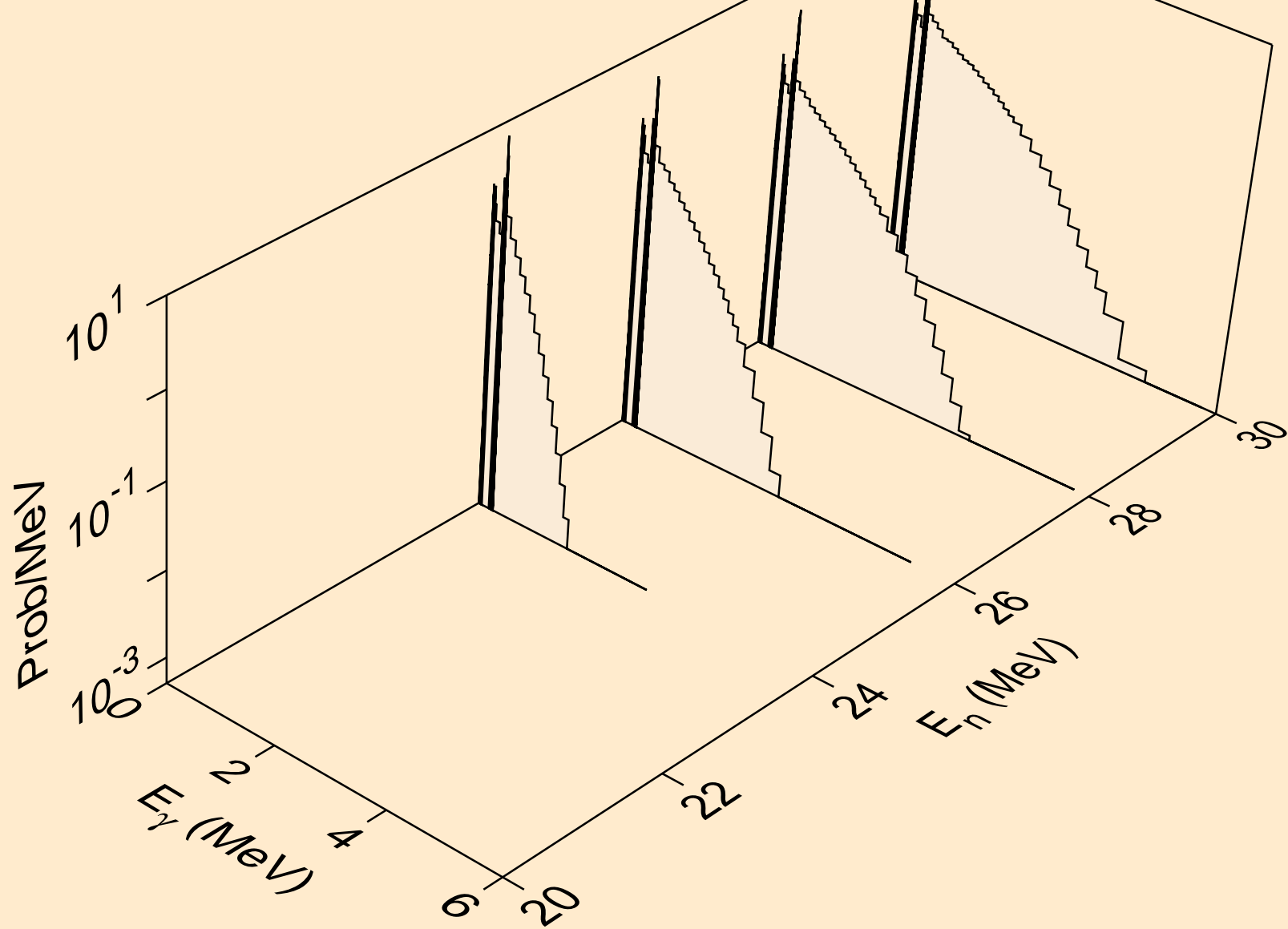




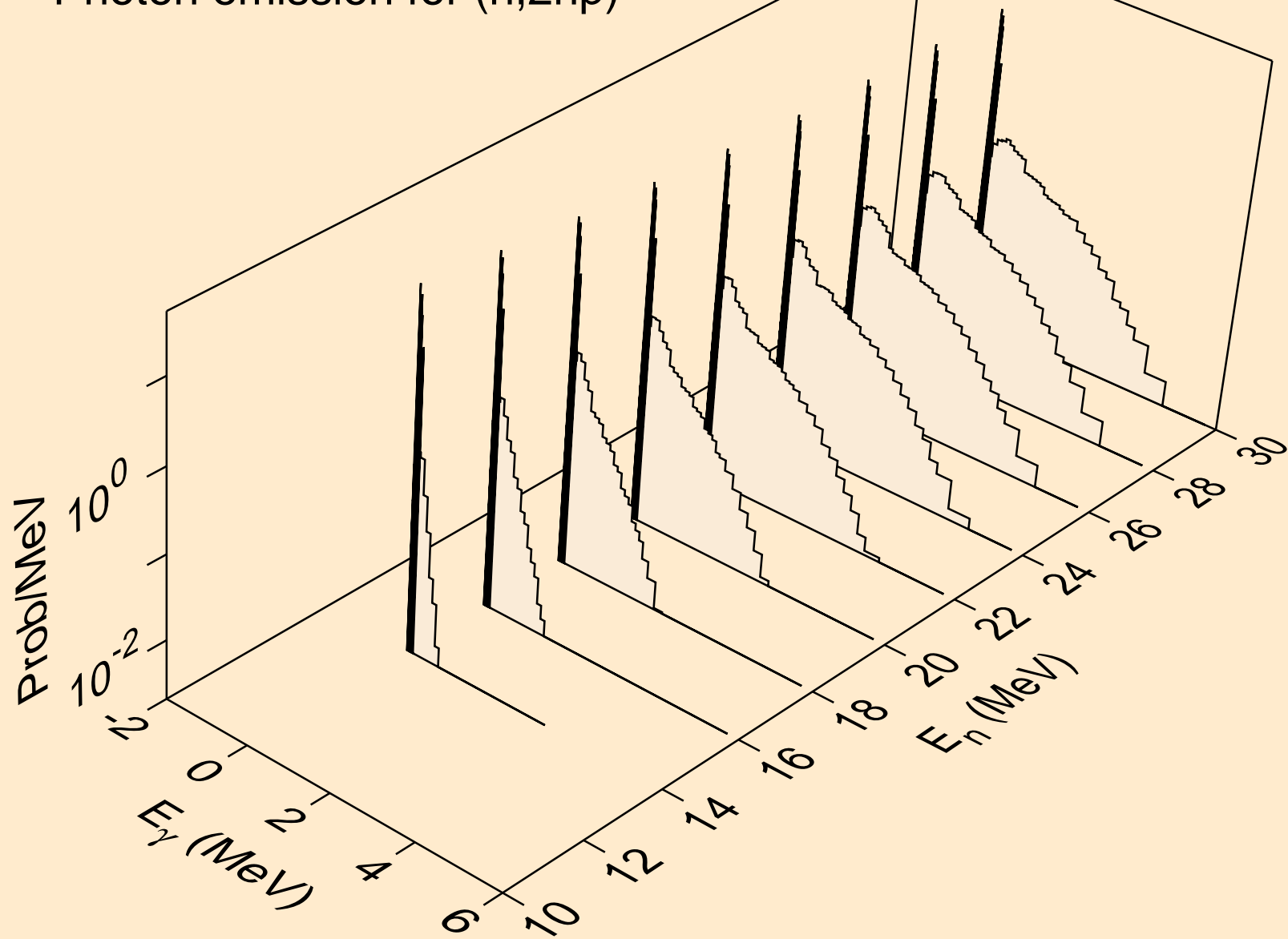
ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)he3



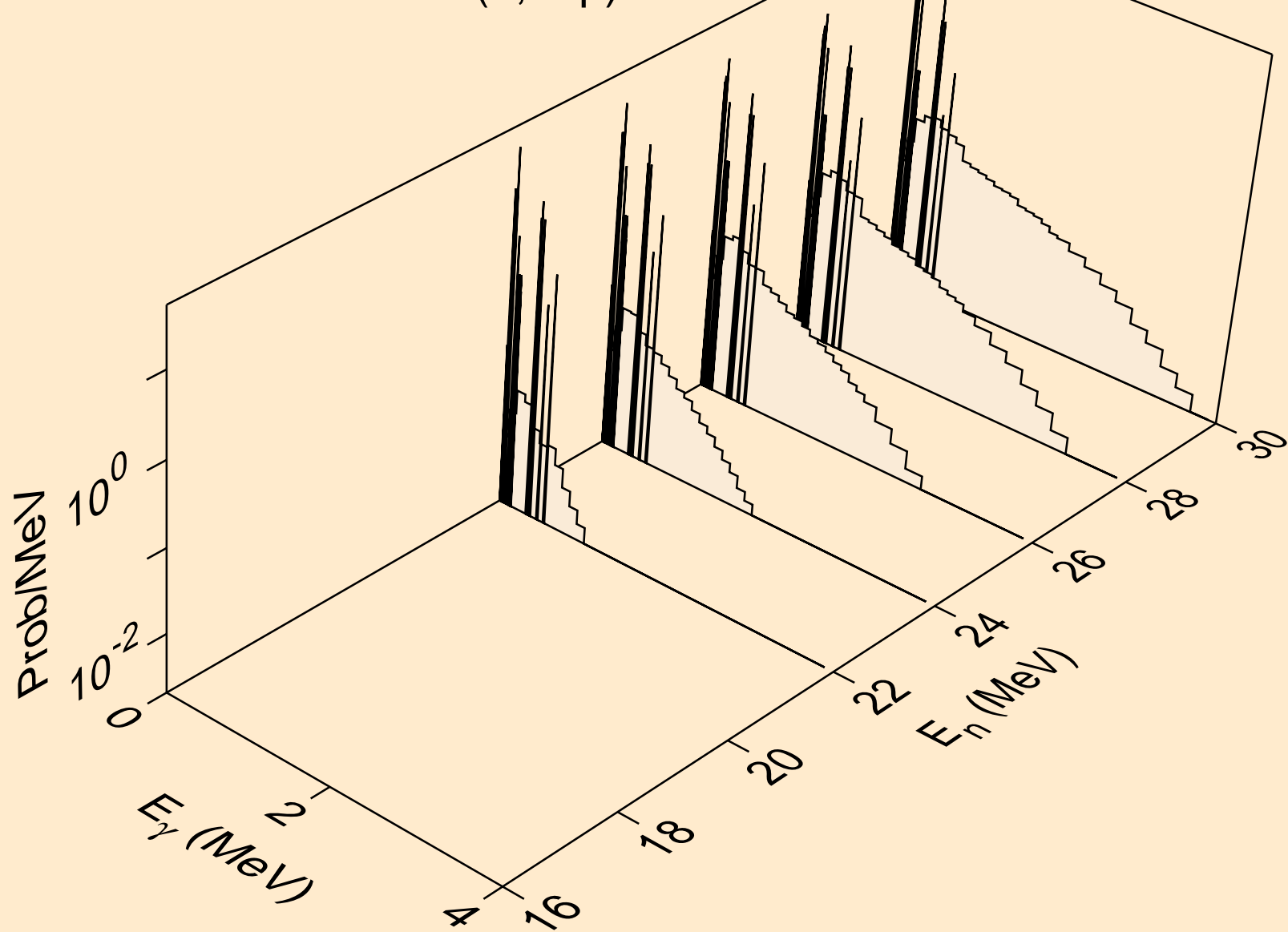
ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,4n)



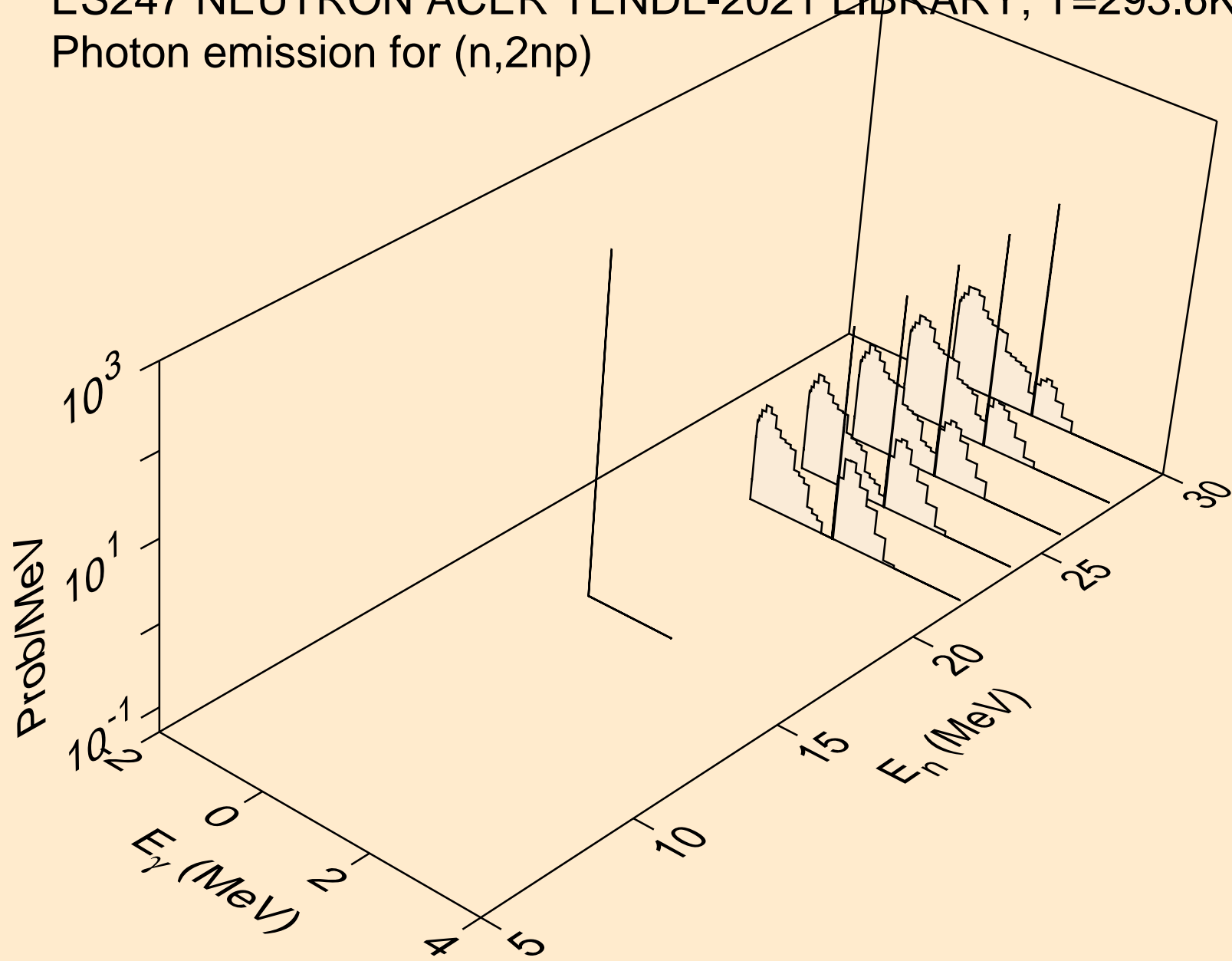
ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2np)



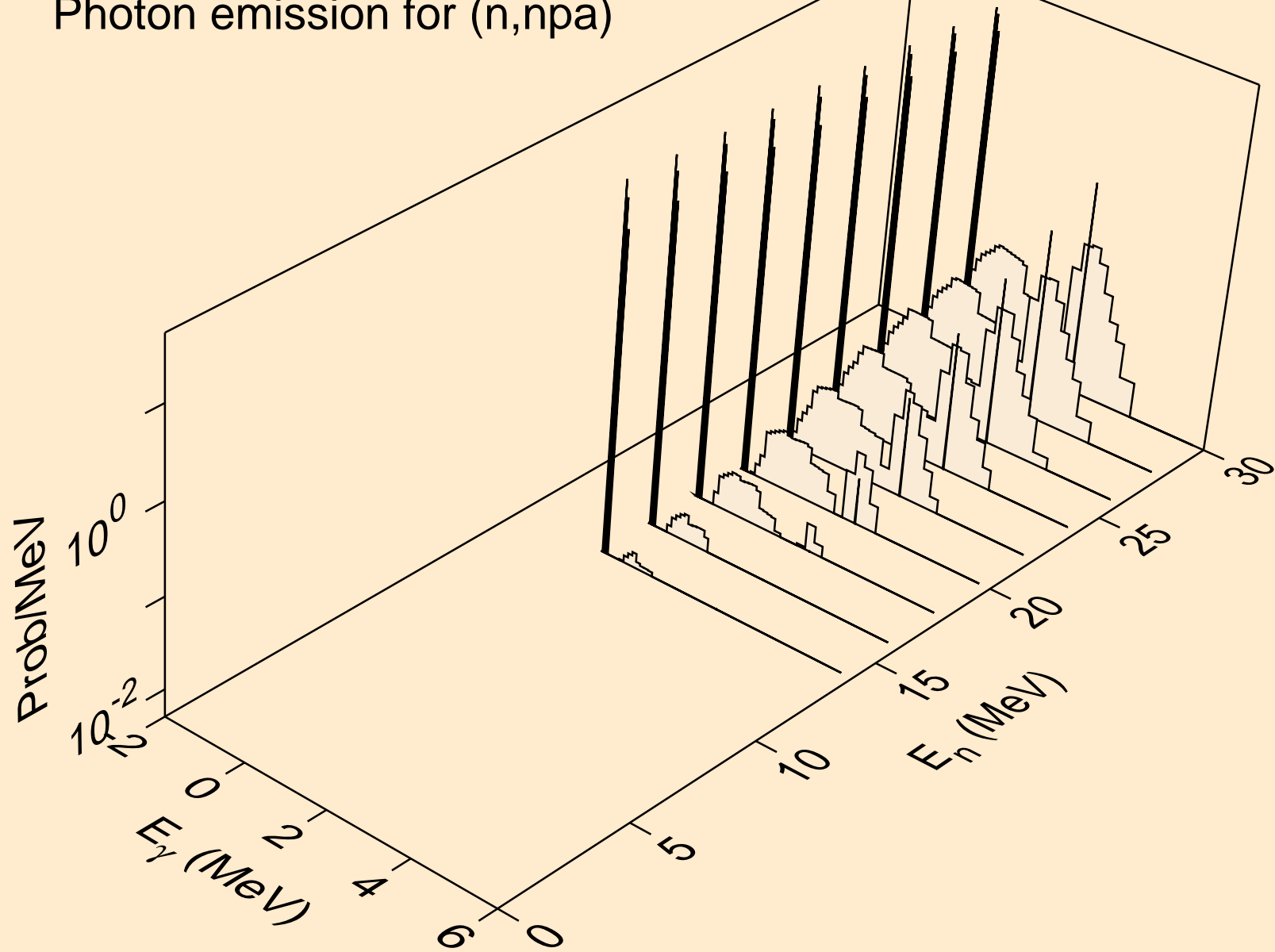
ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3np)



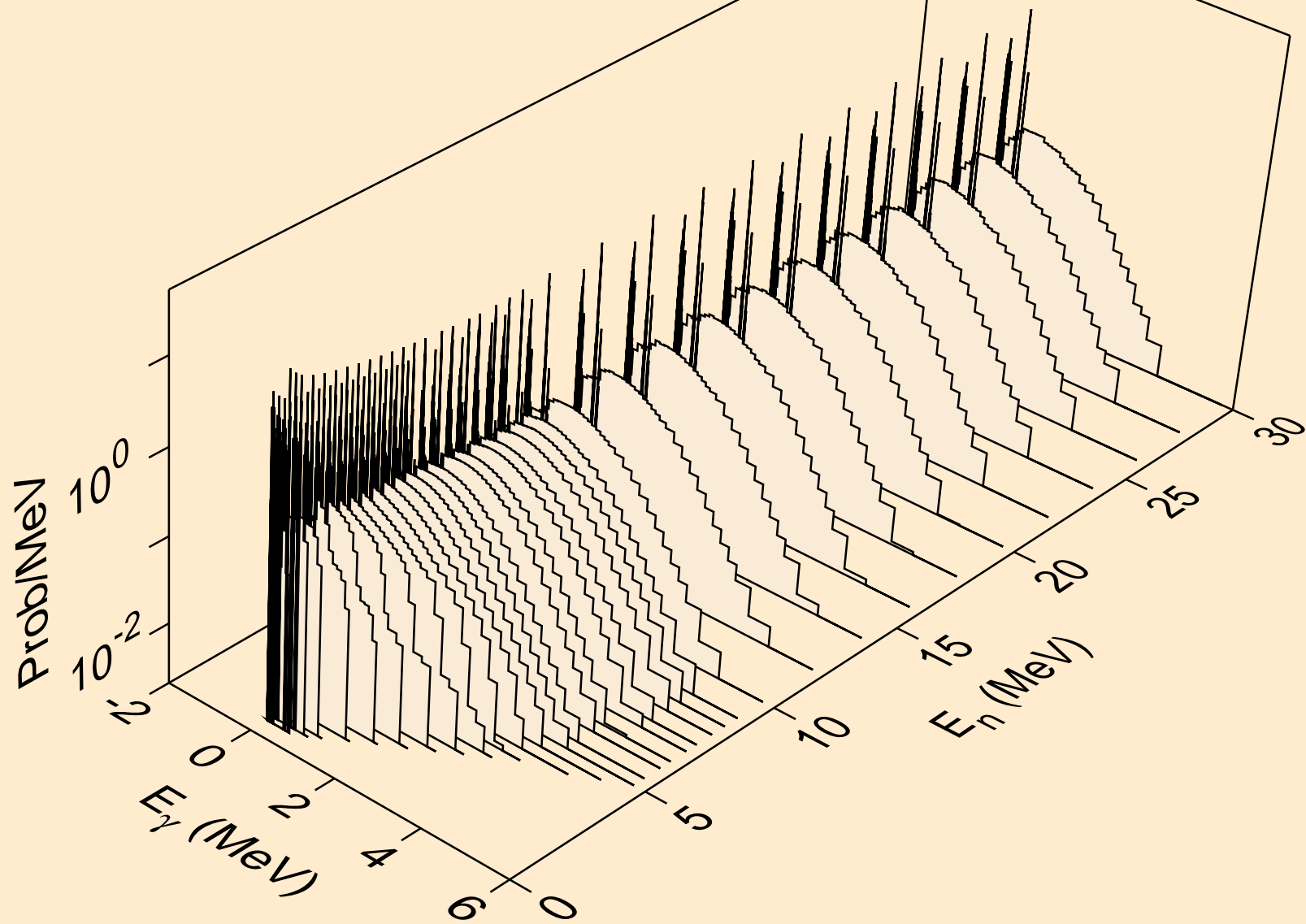
ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2np)



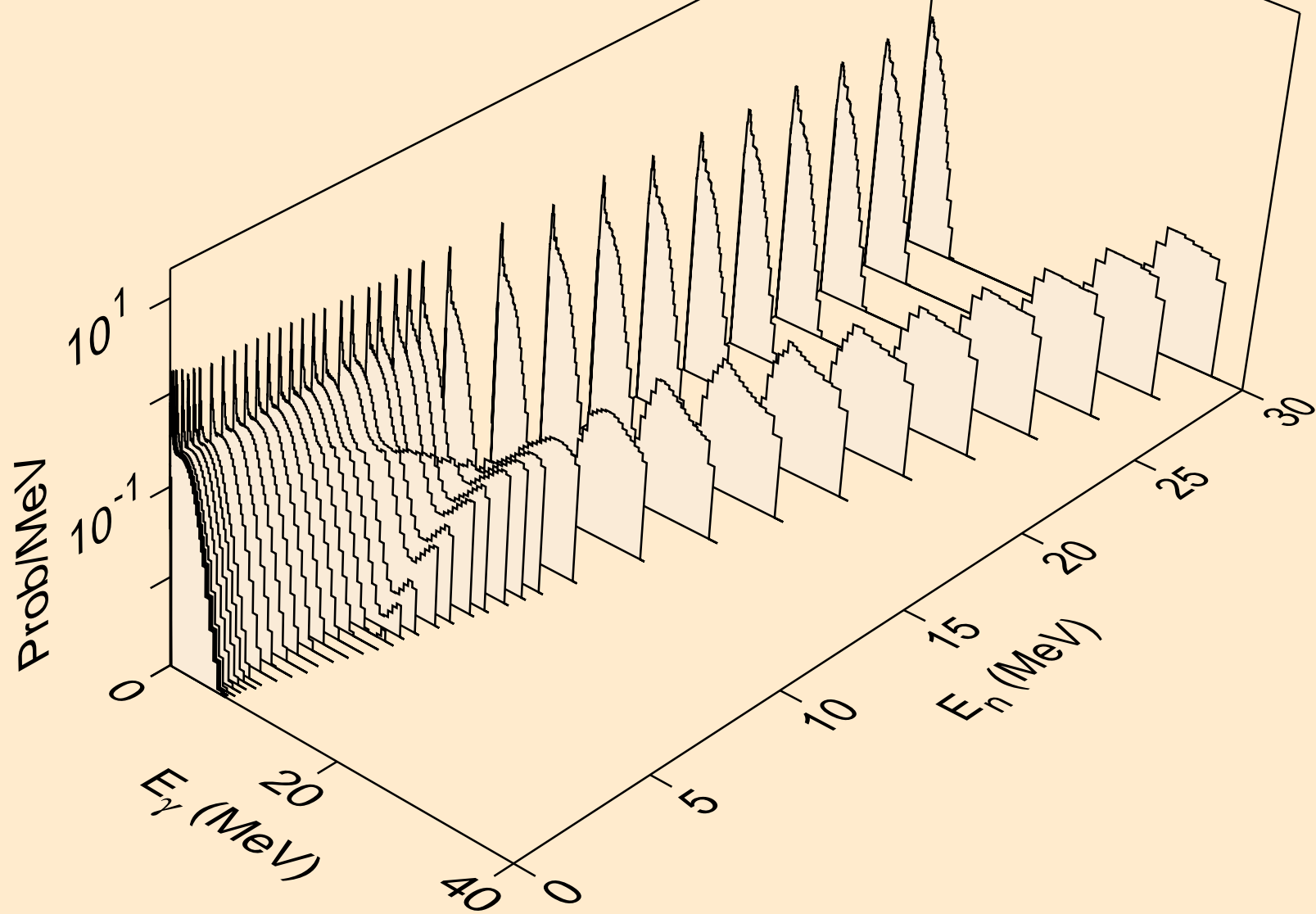
ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,npa)



ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*c)

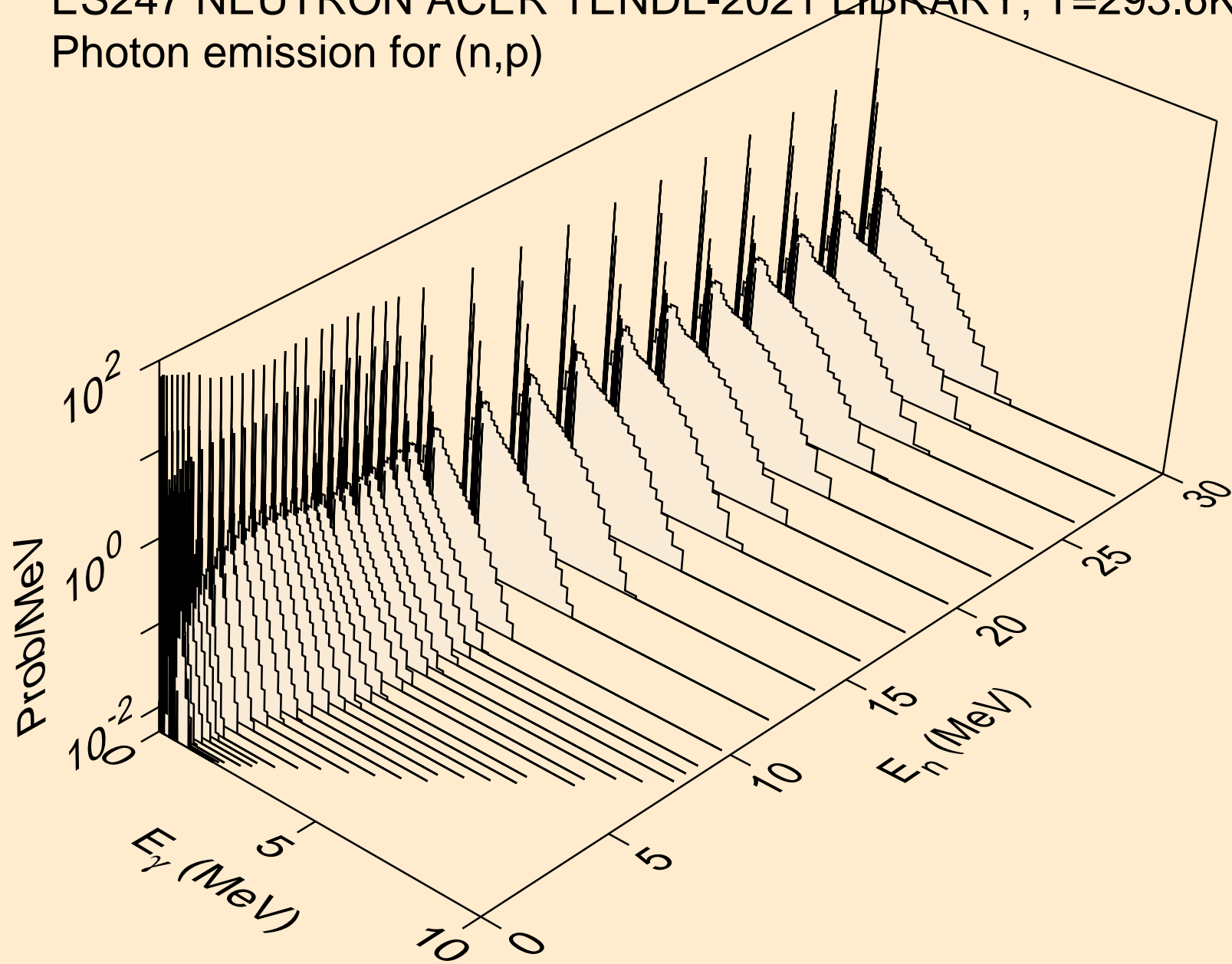


ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,gma)

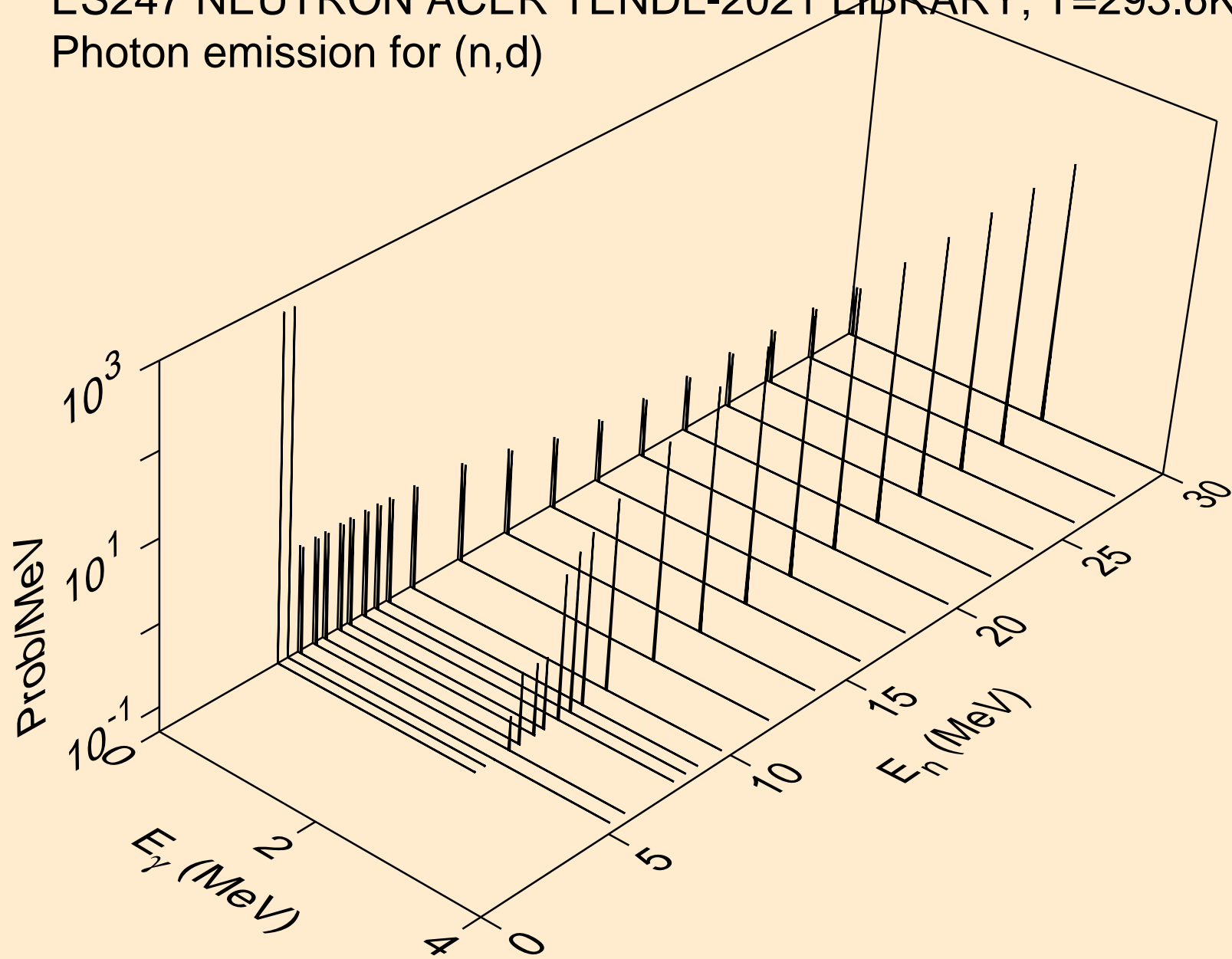




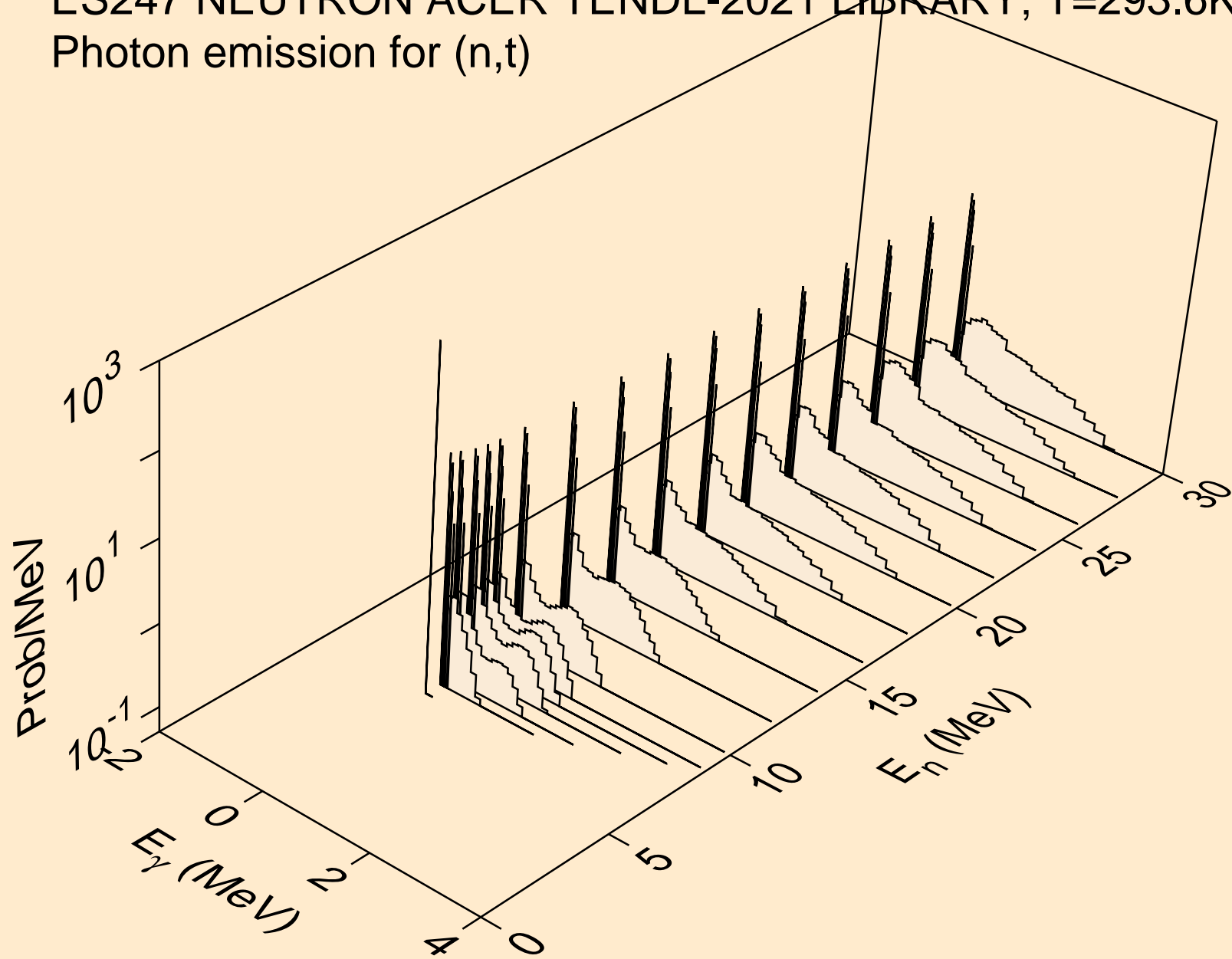
ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,p)



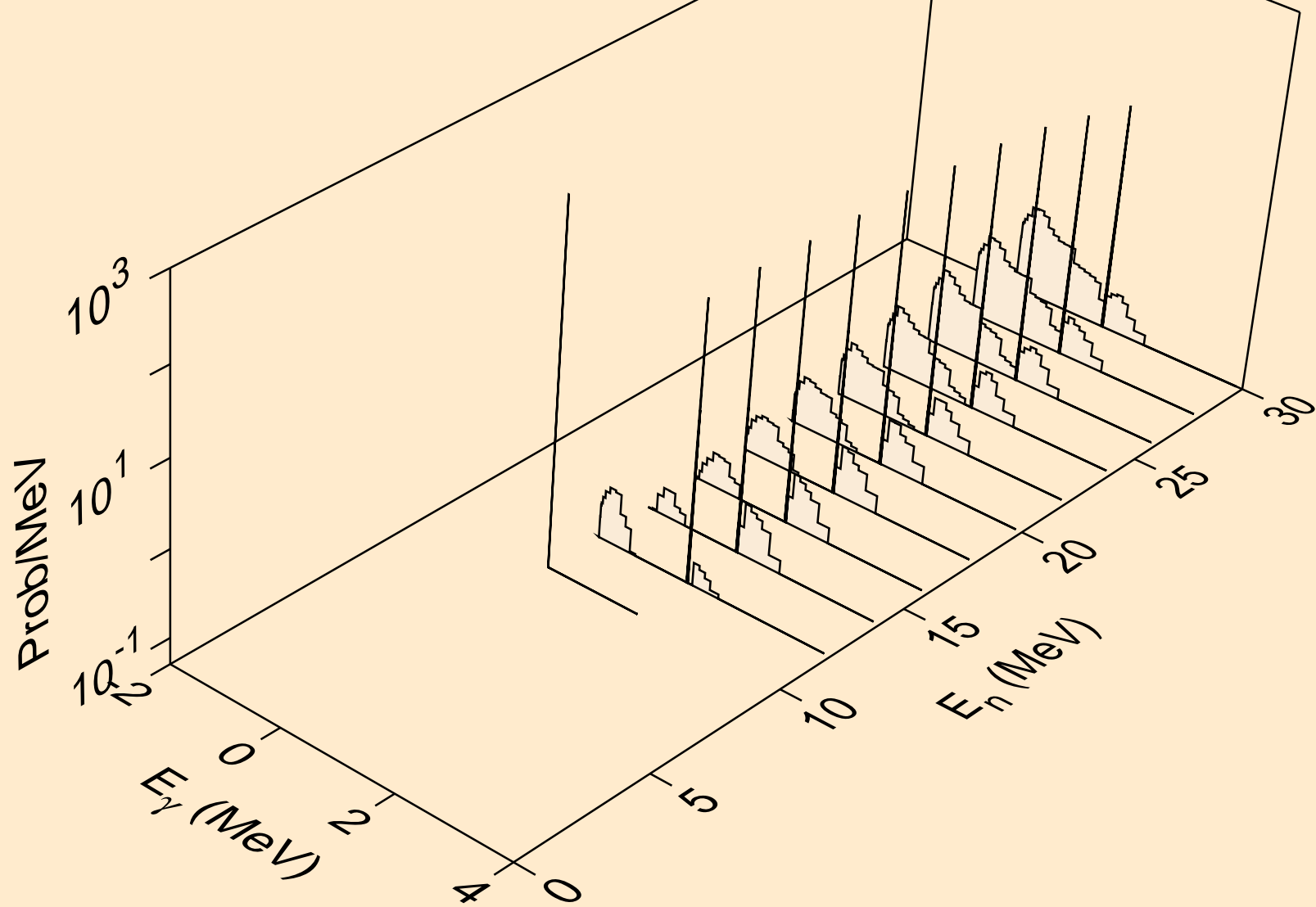
ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,d)



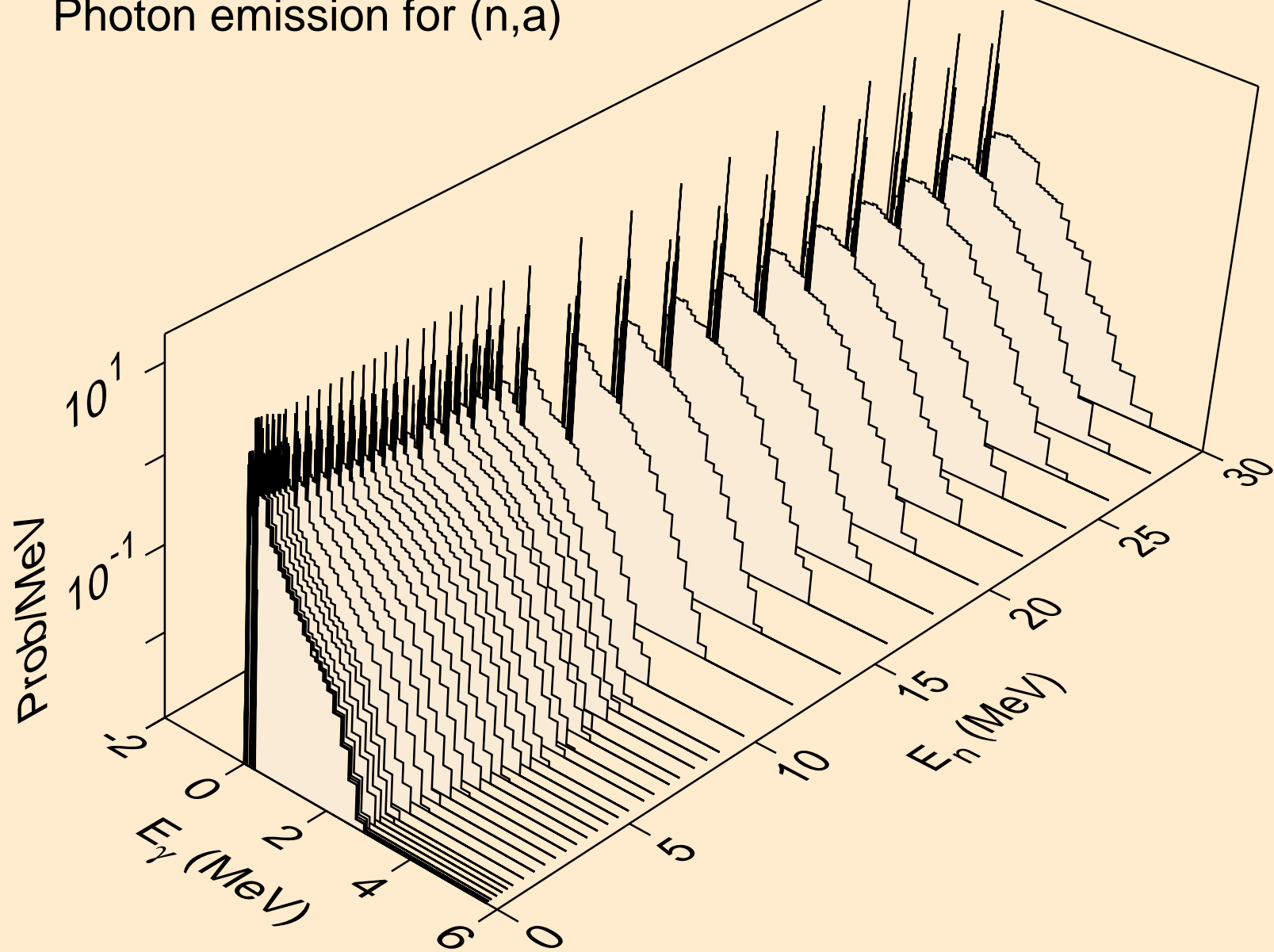
ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,t)



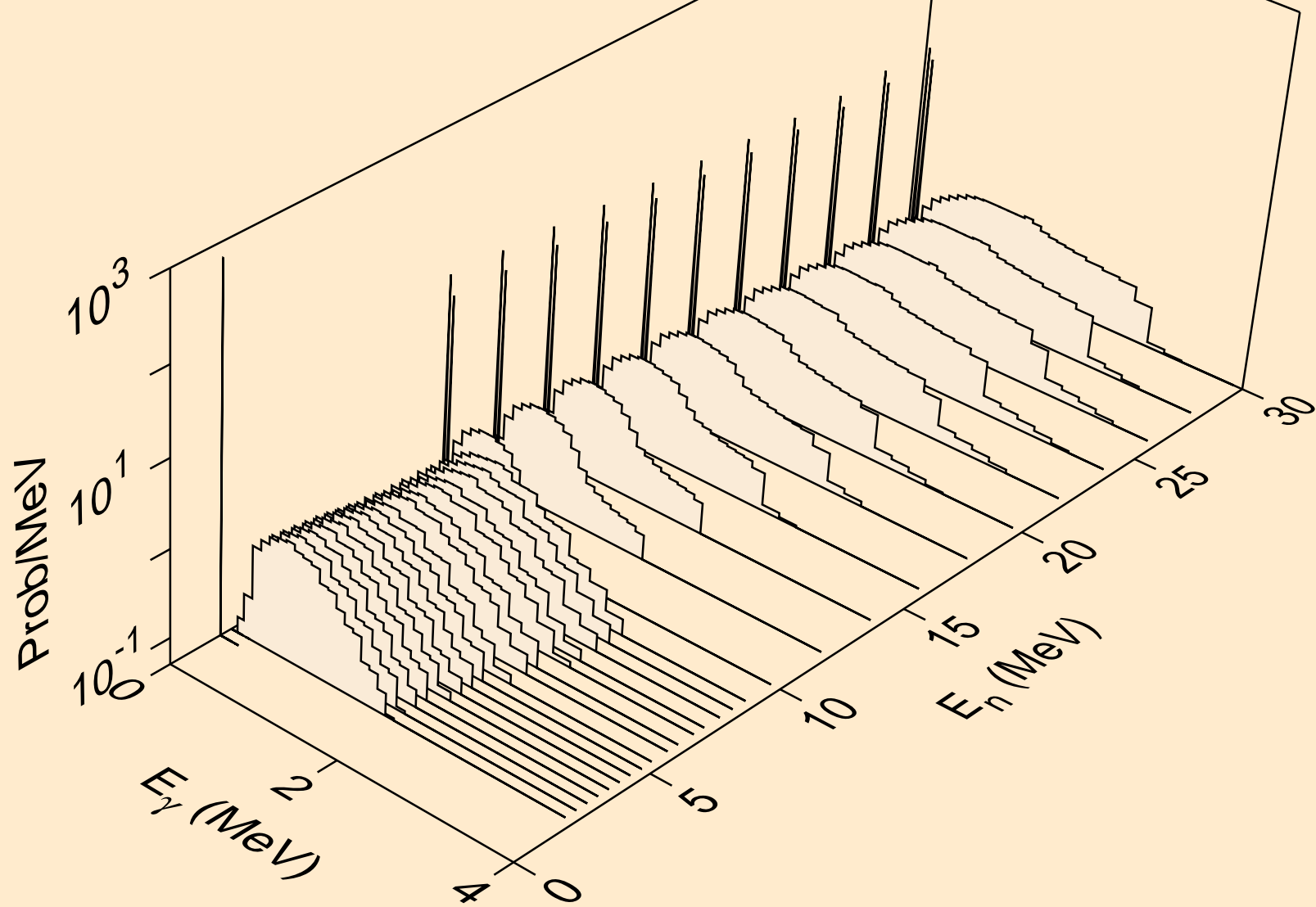
ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,he3)



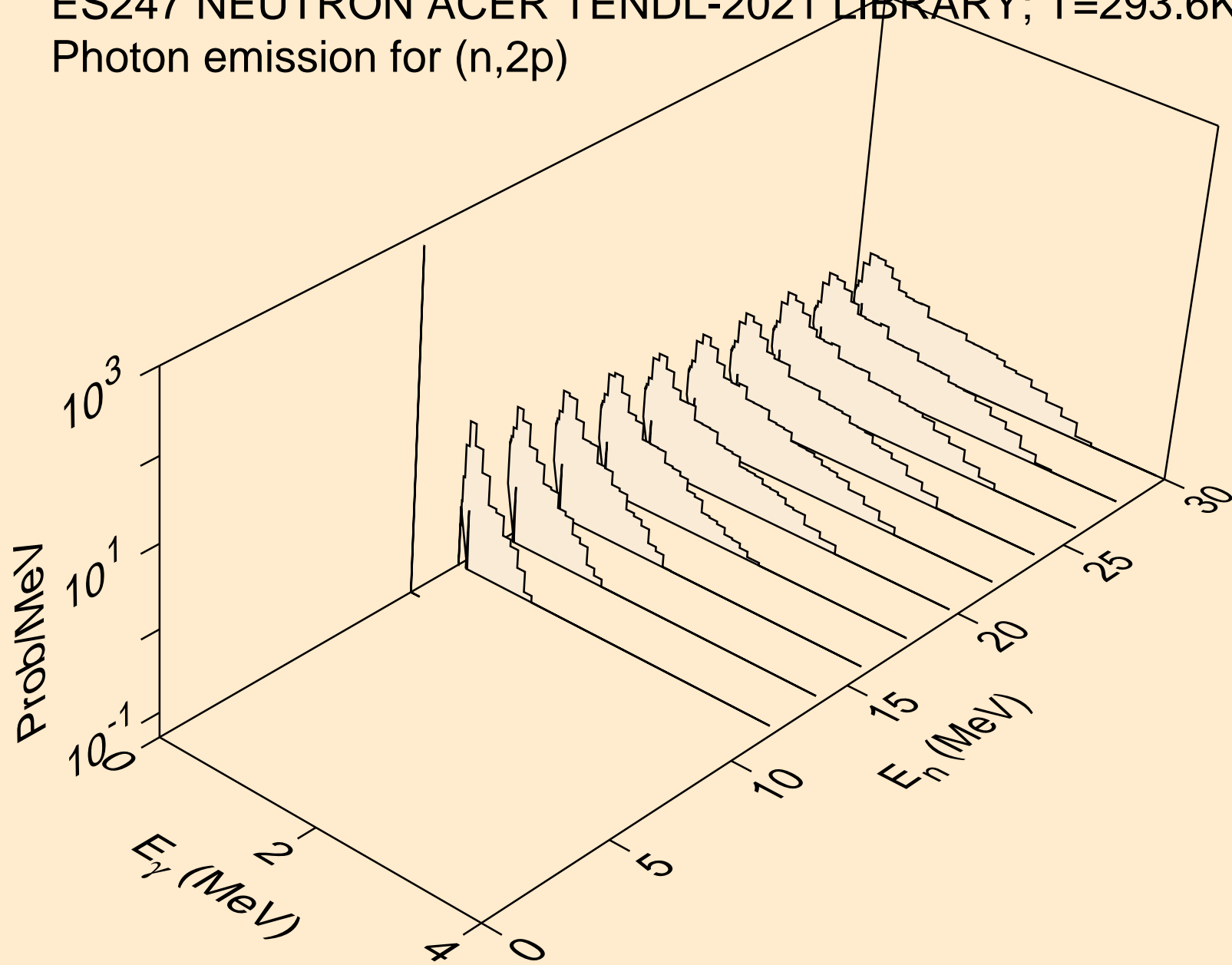
ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,a)



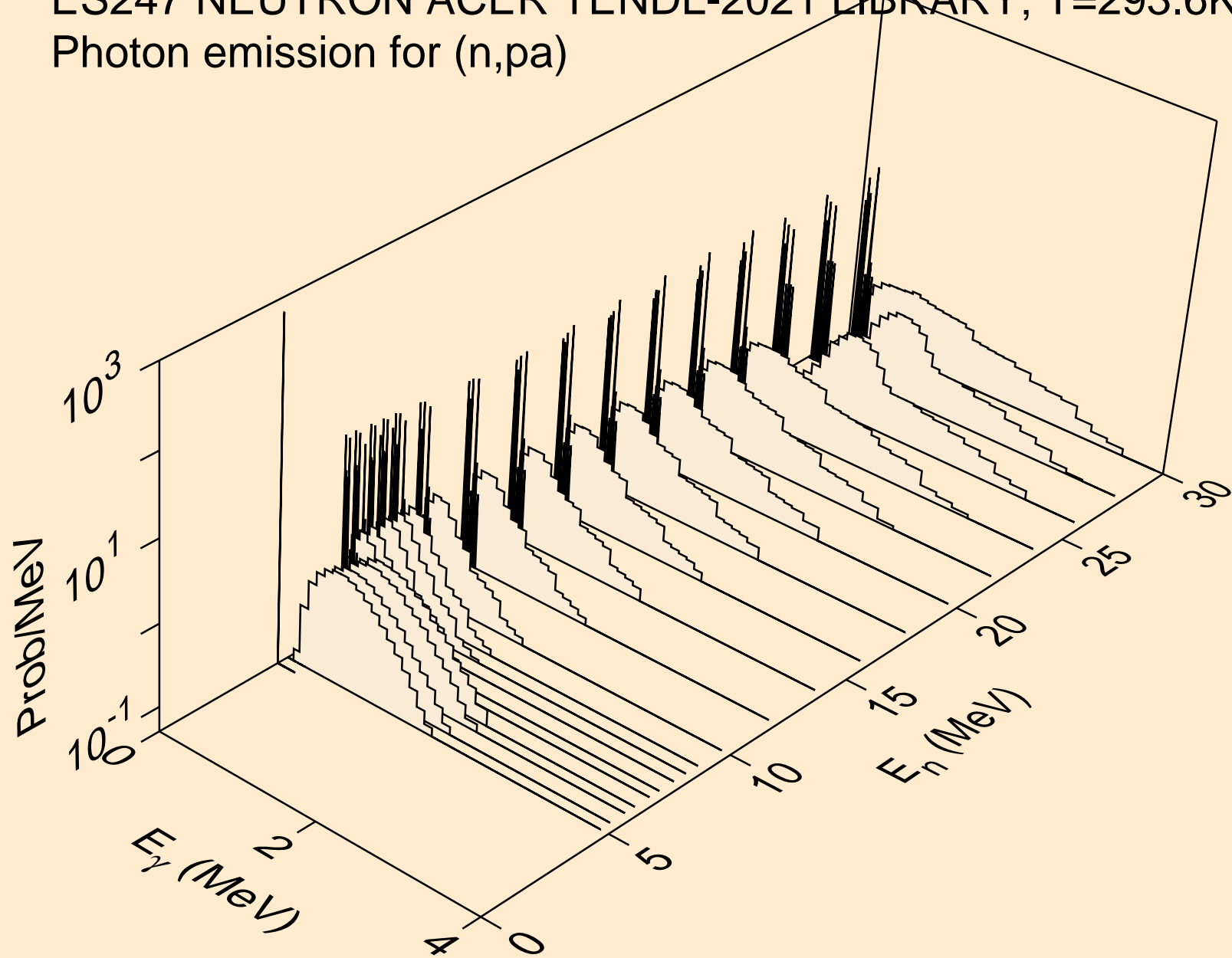
ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2a)



ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2p)

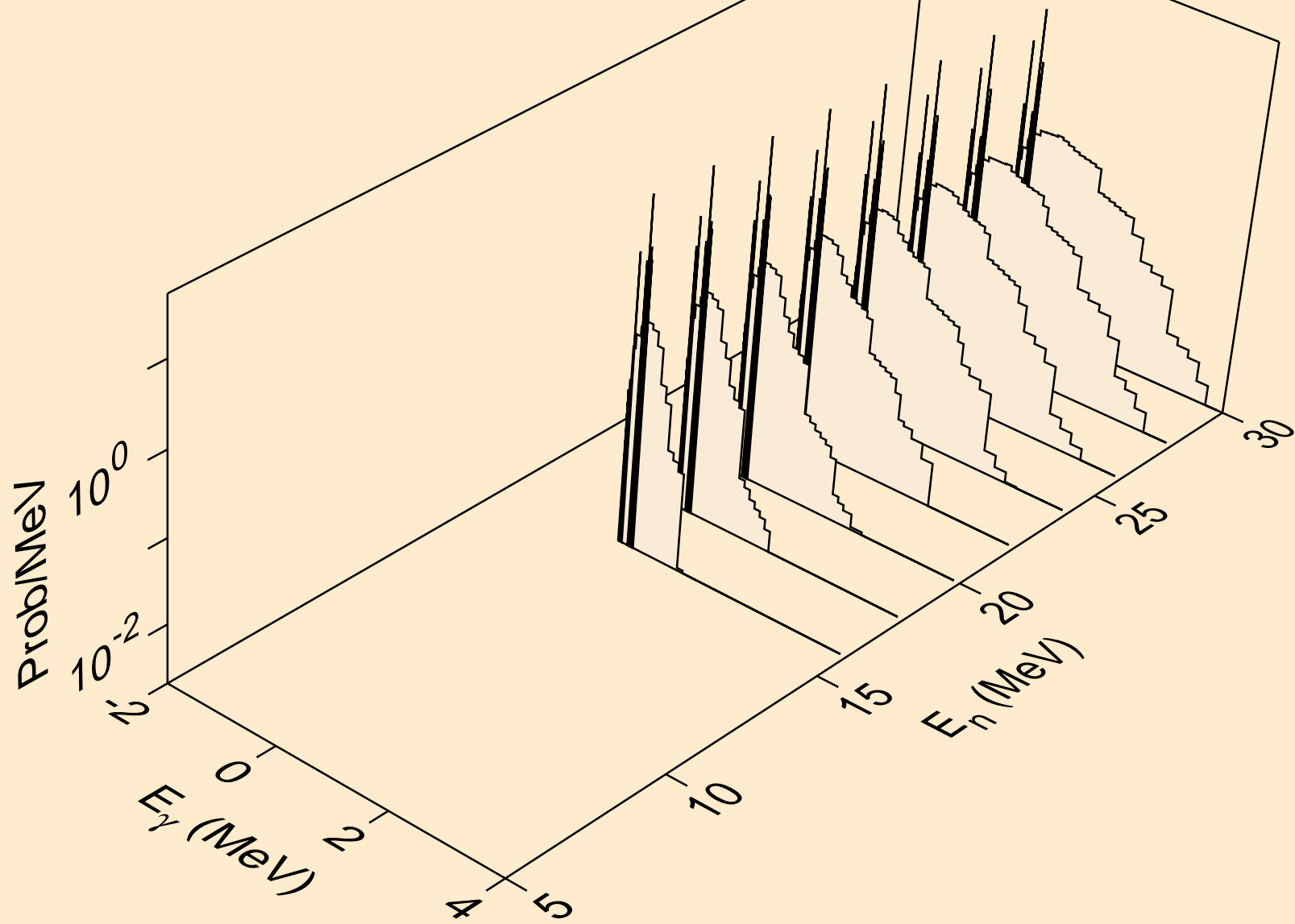


ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,p $\alpha$ )

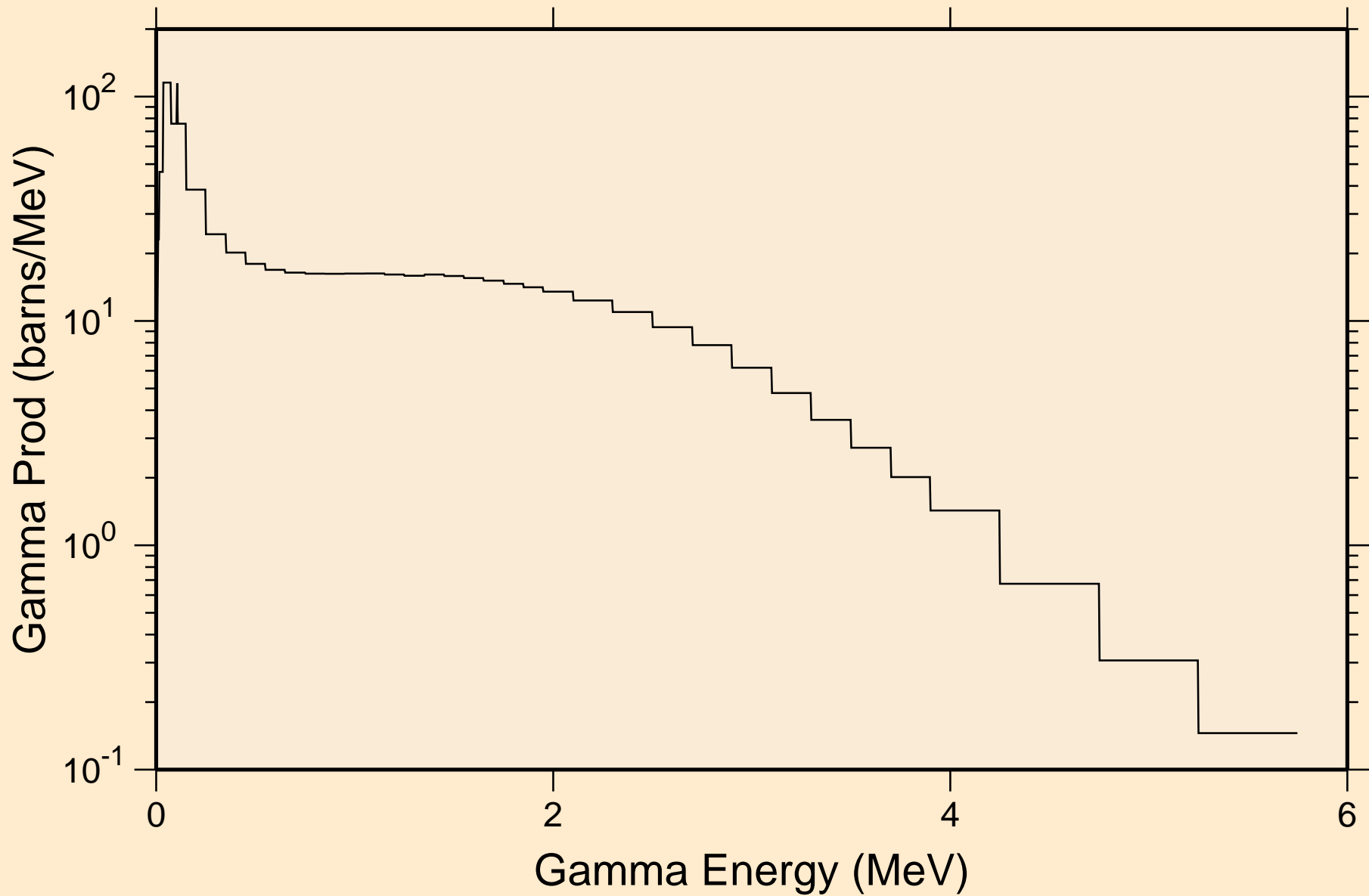




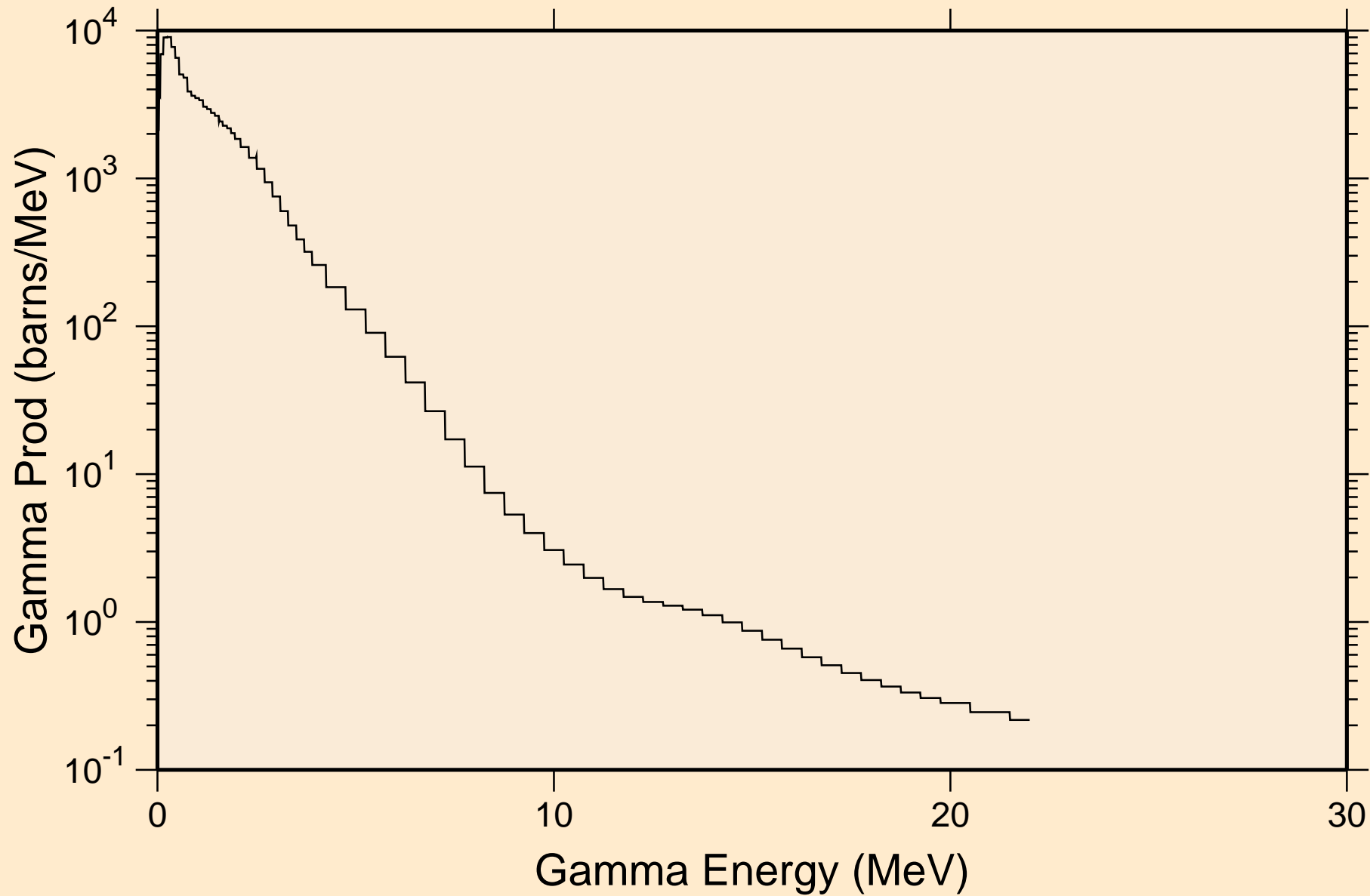
ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,pt)



ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
thermal capture photon spectrum

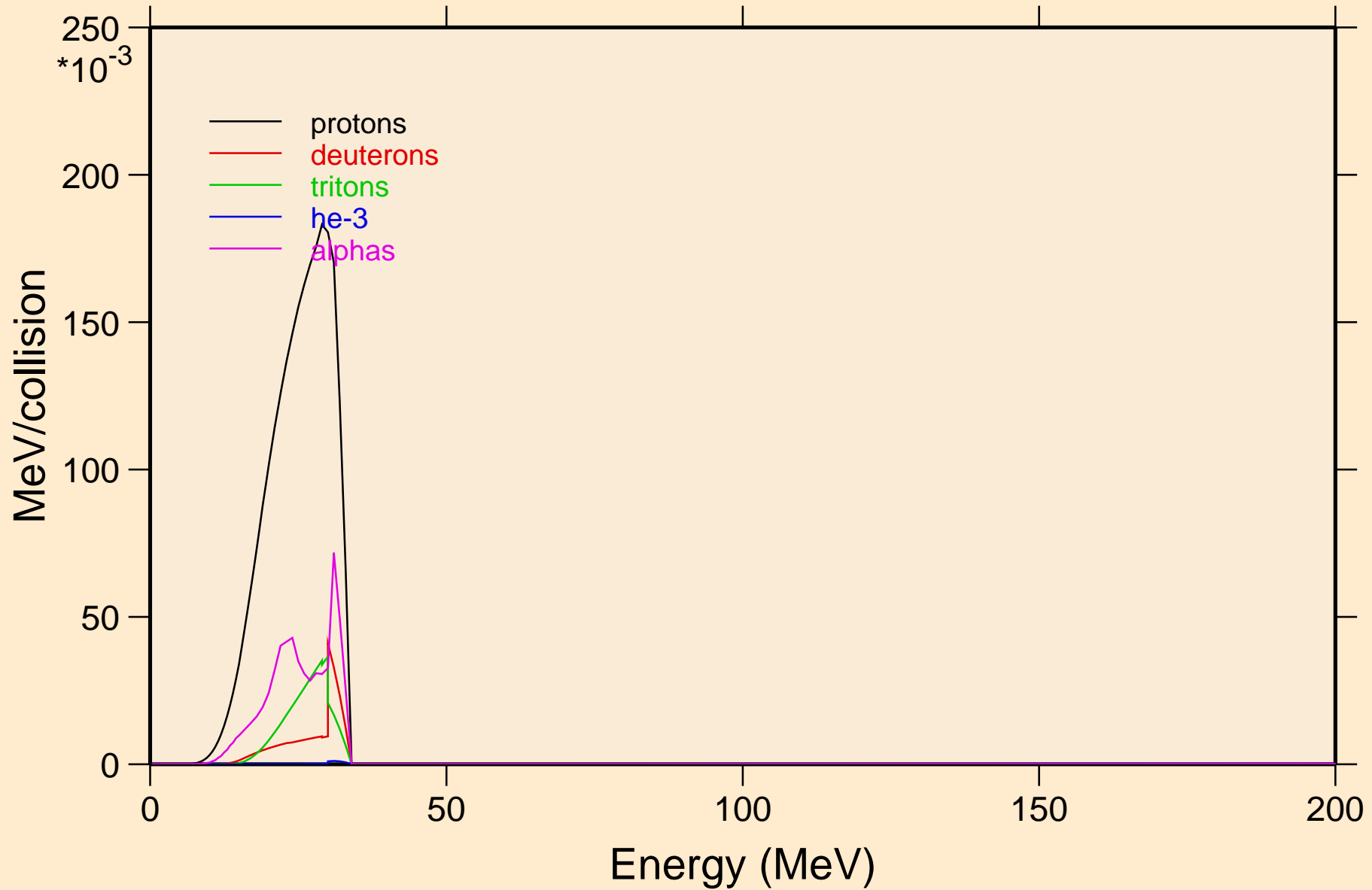


ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
14 MeV photon spectrum

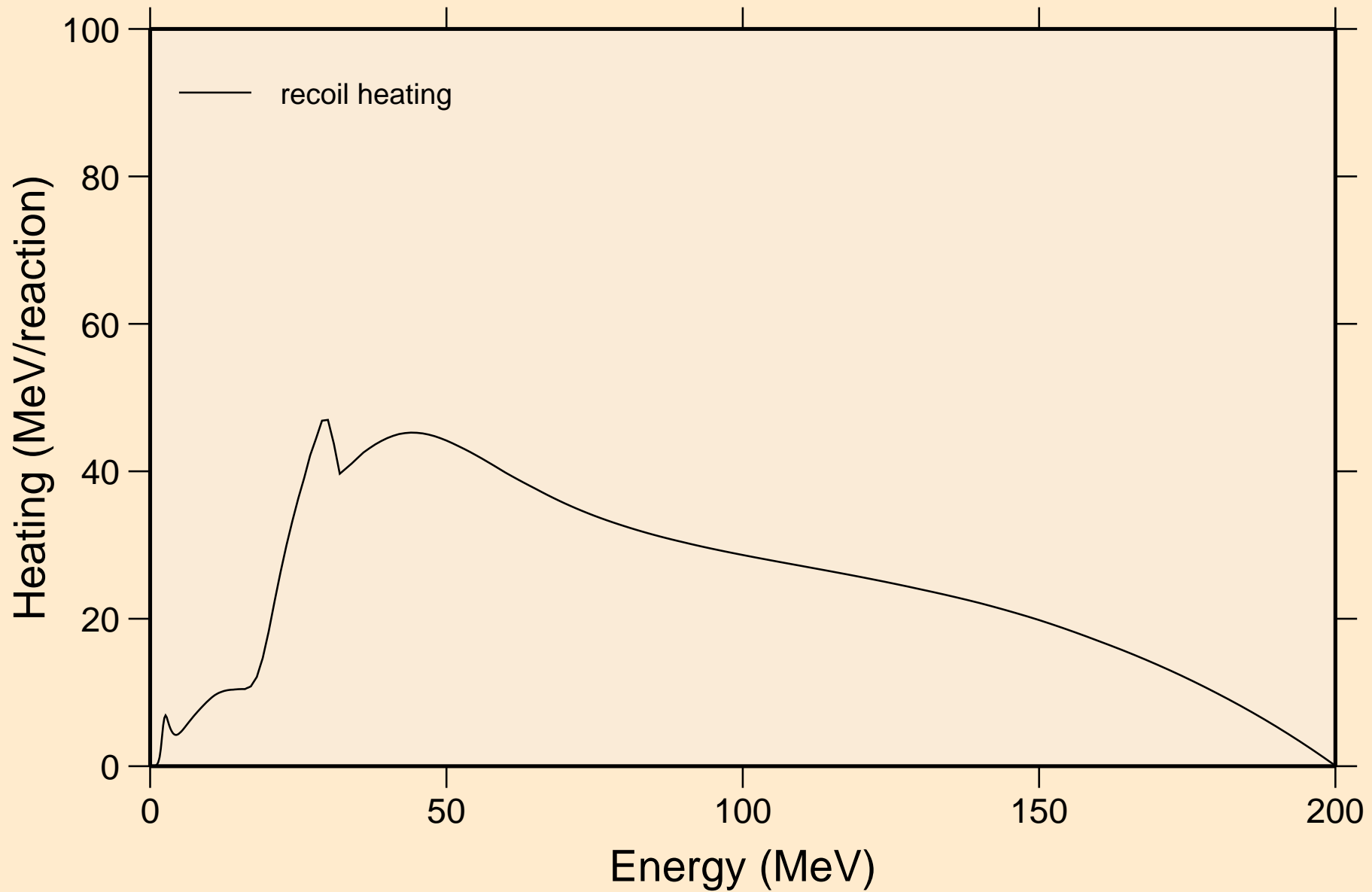


# ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

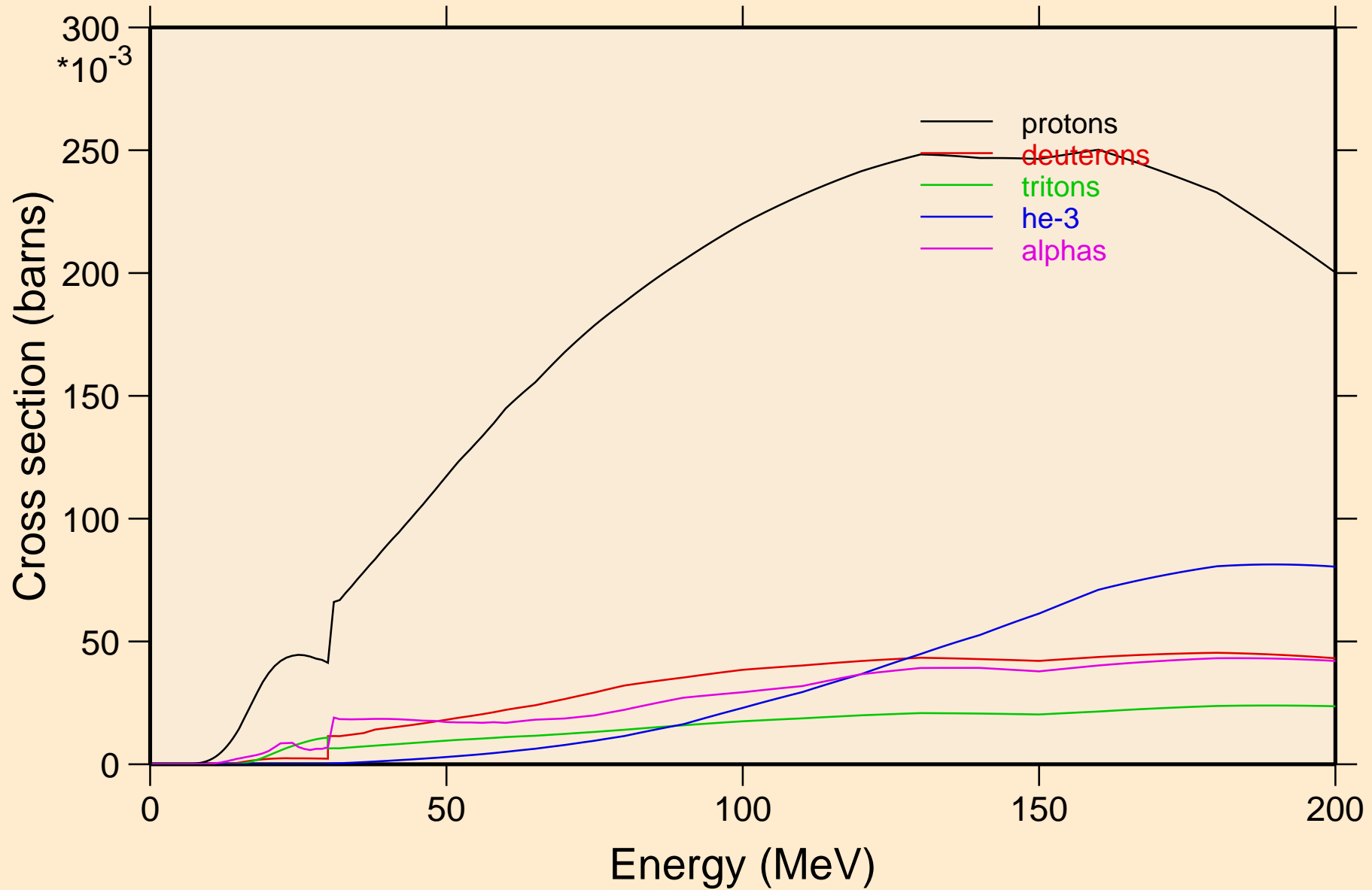
## Particle heating contributions



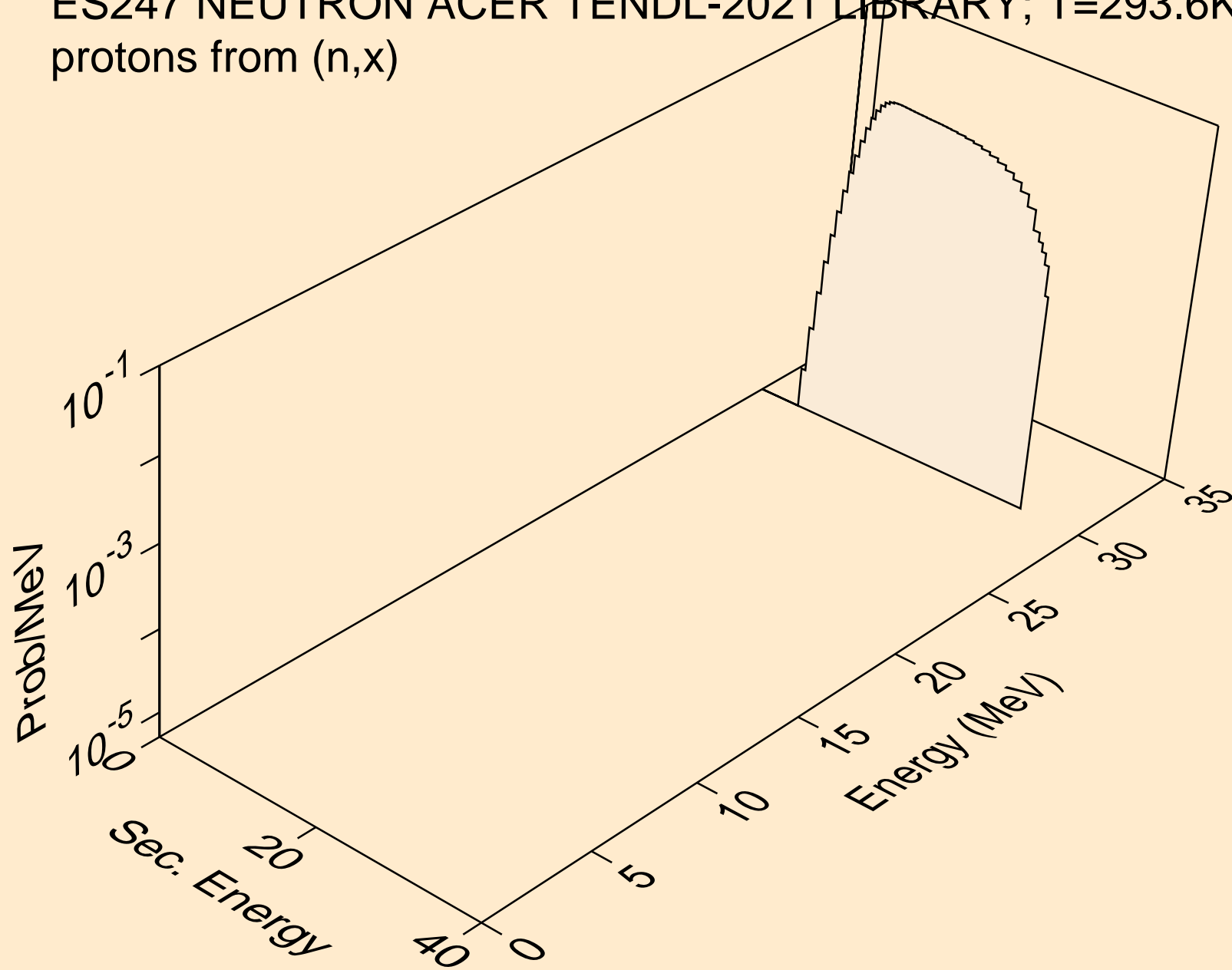
ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Recoil Heating



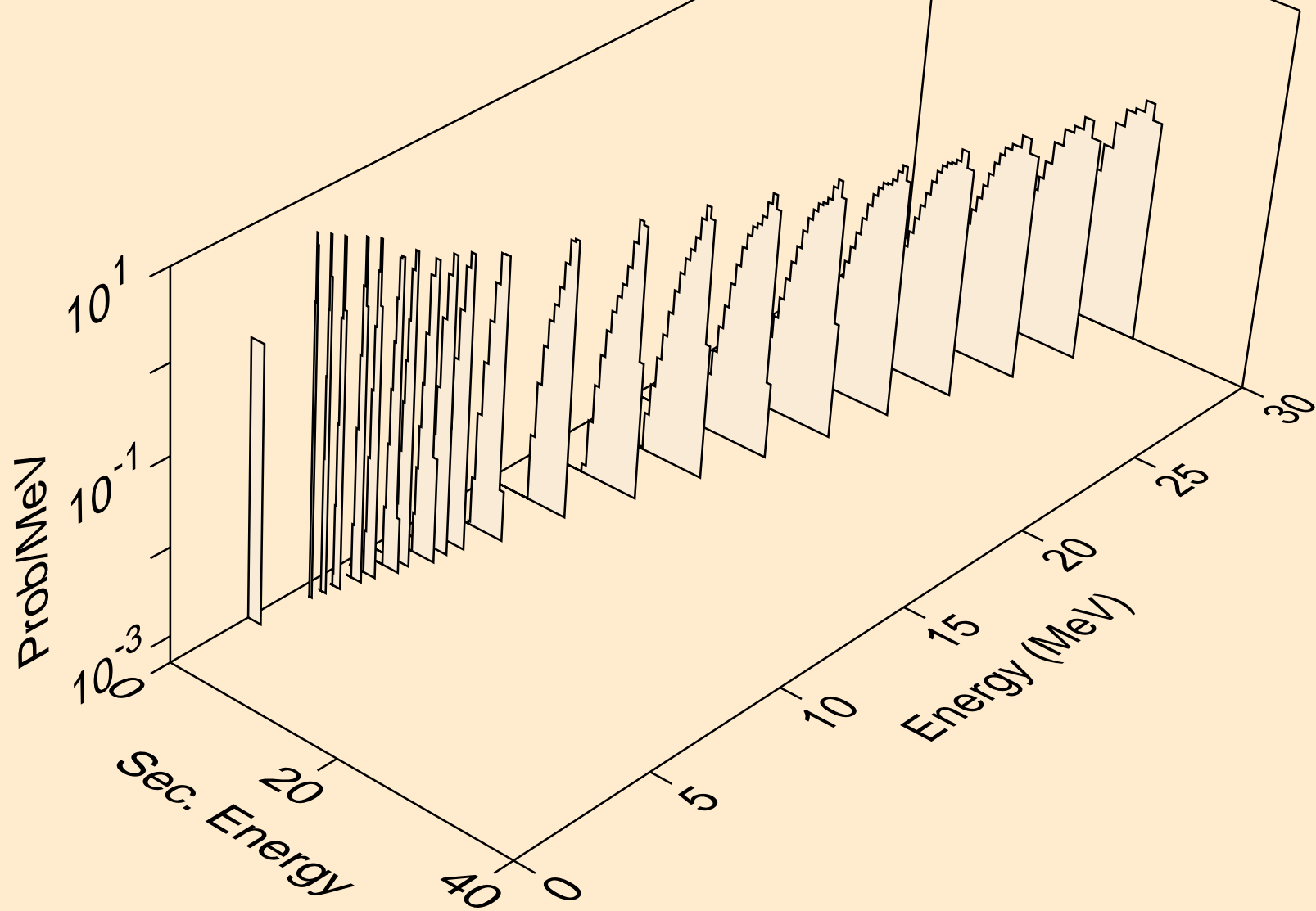
ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Particle production cross sections



ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,x)

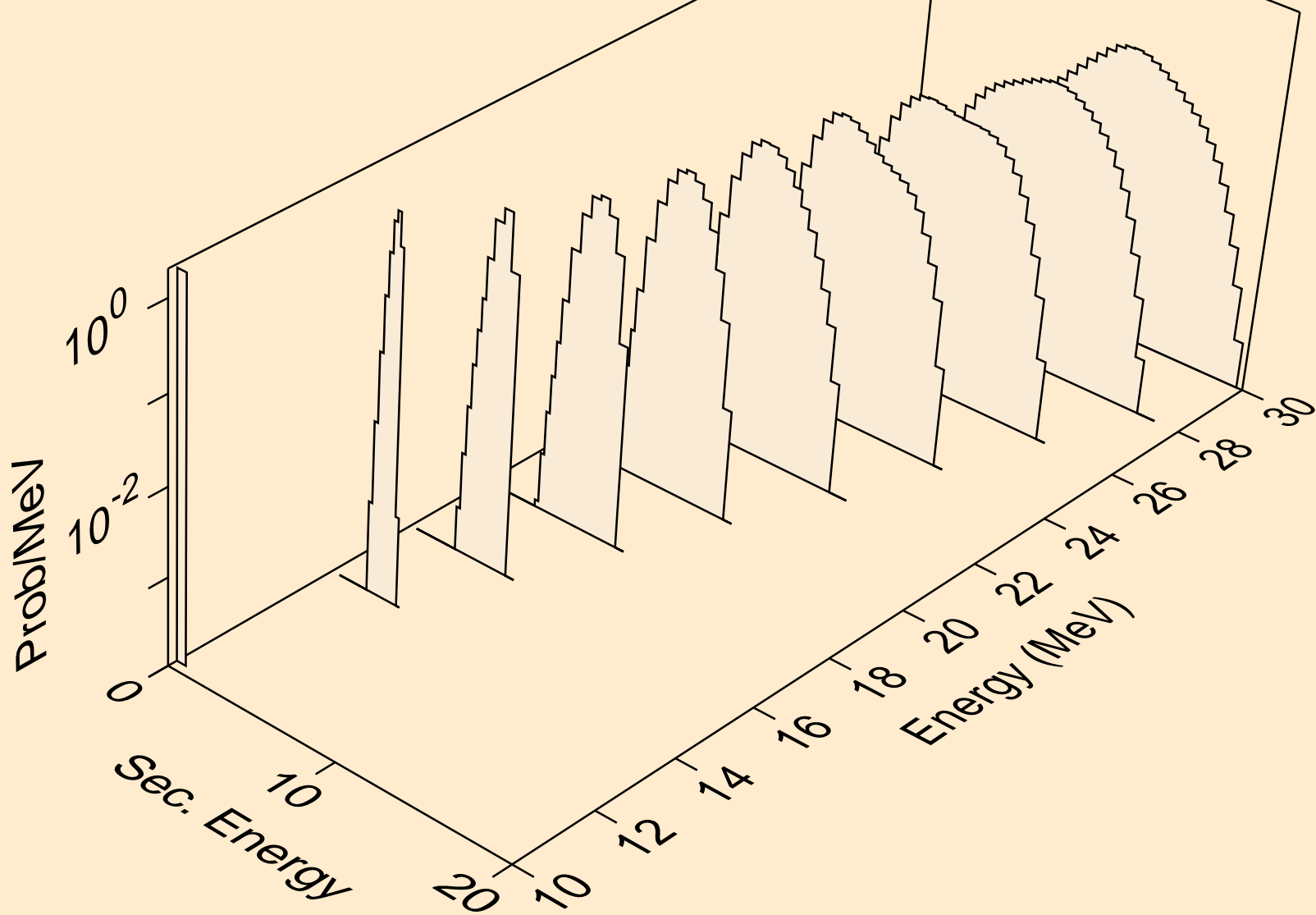


ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,n\*)p

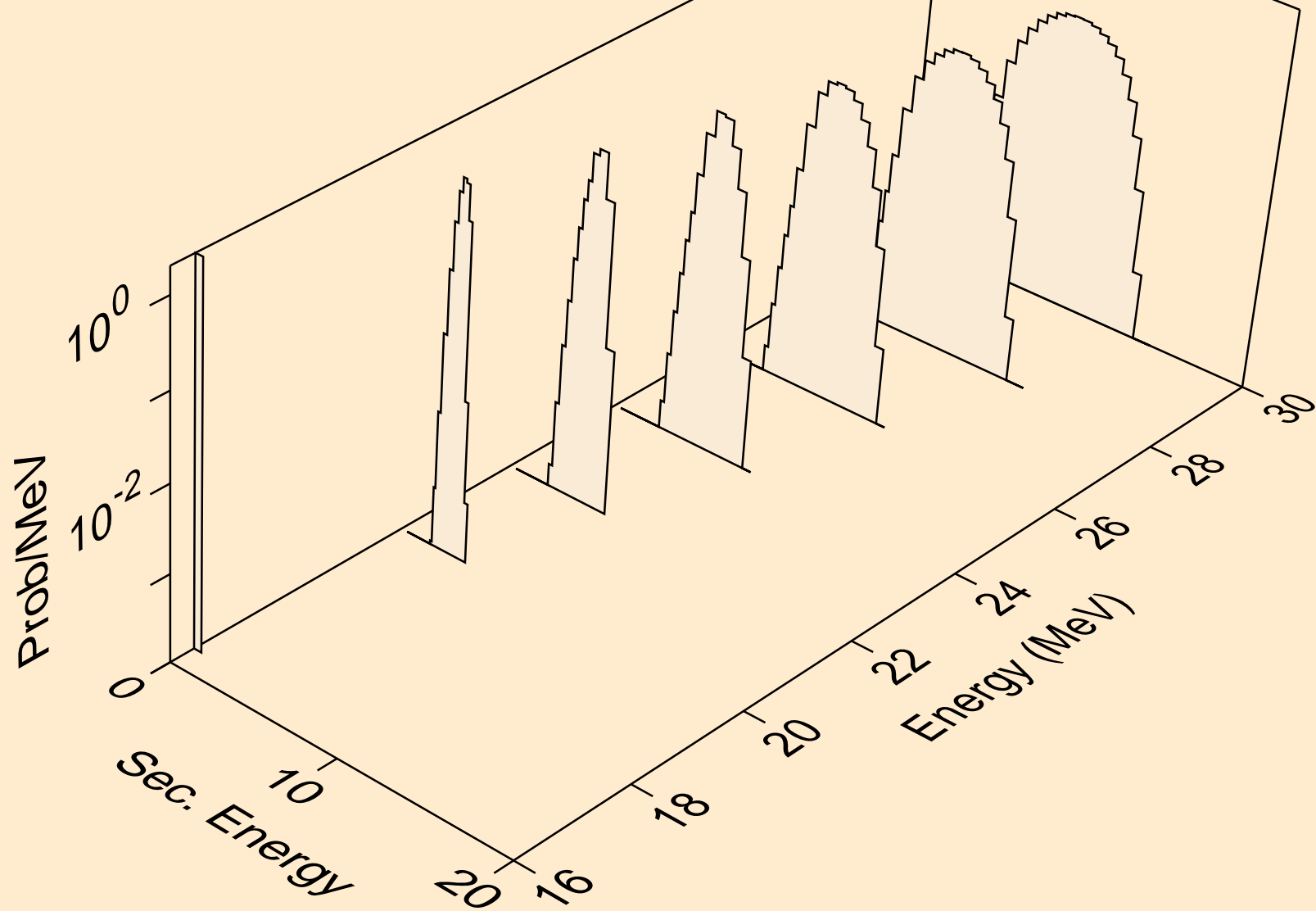




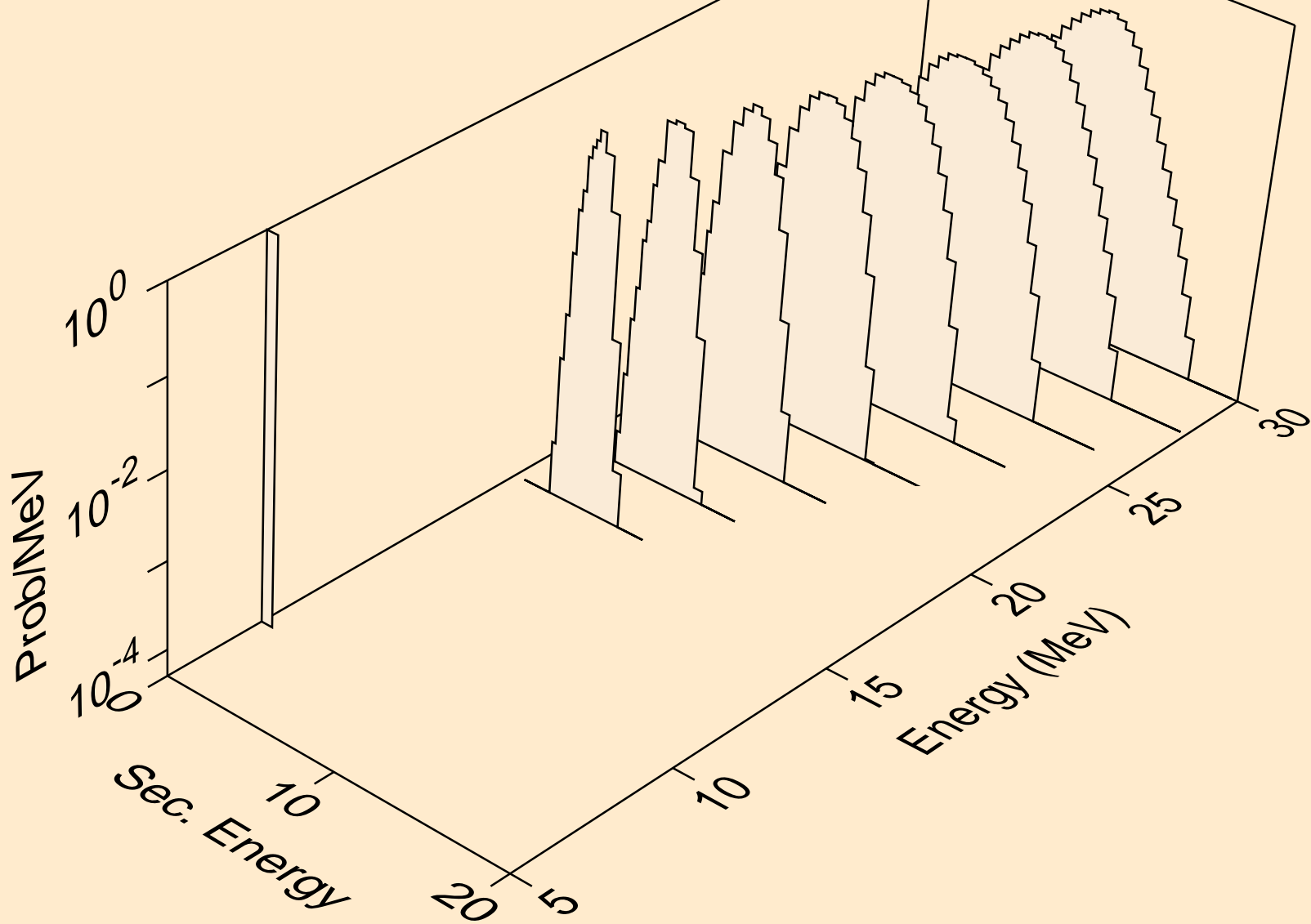
ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,2np)



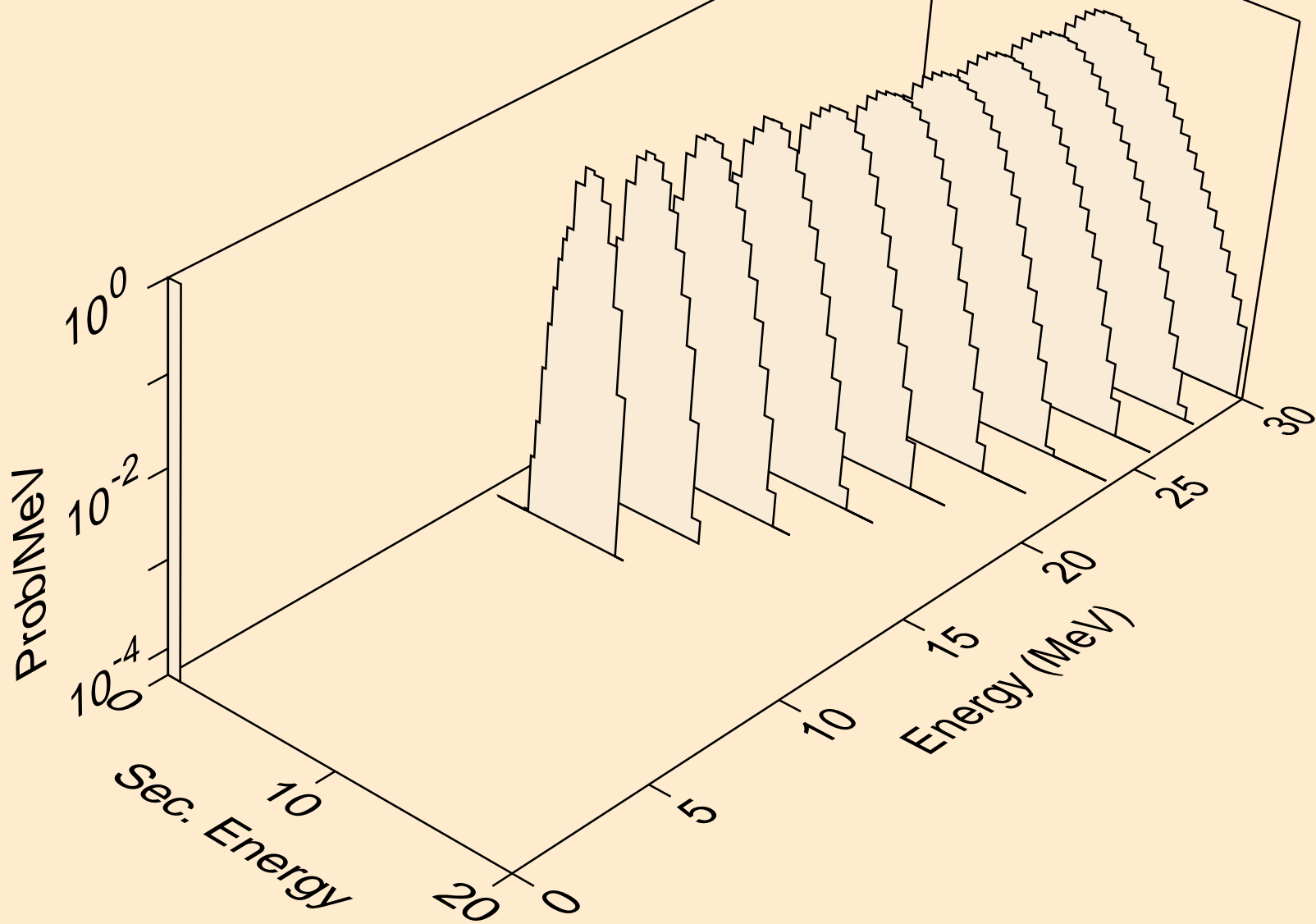
ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,3np)



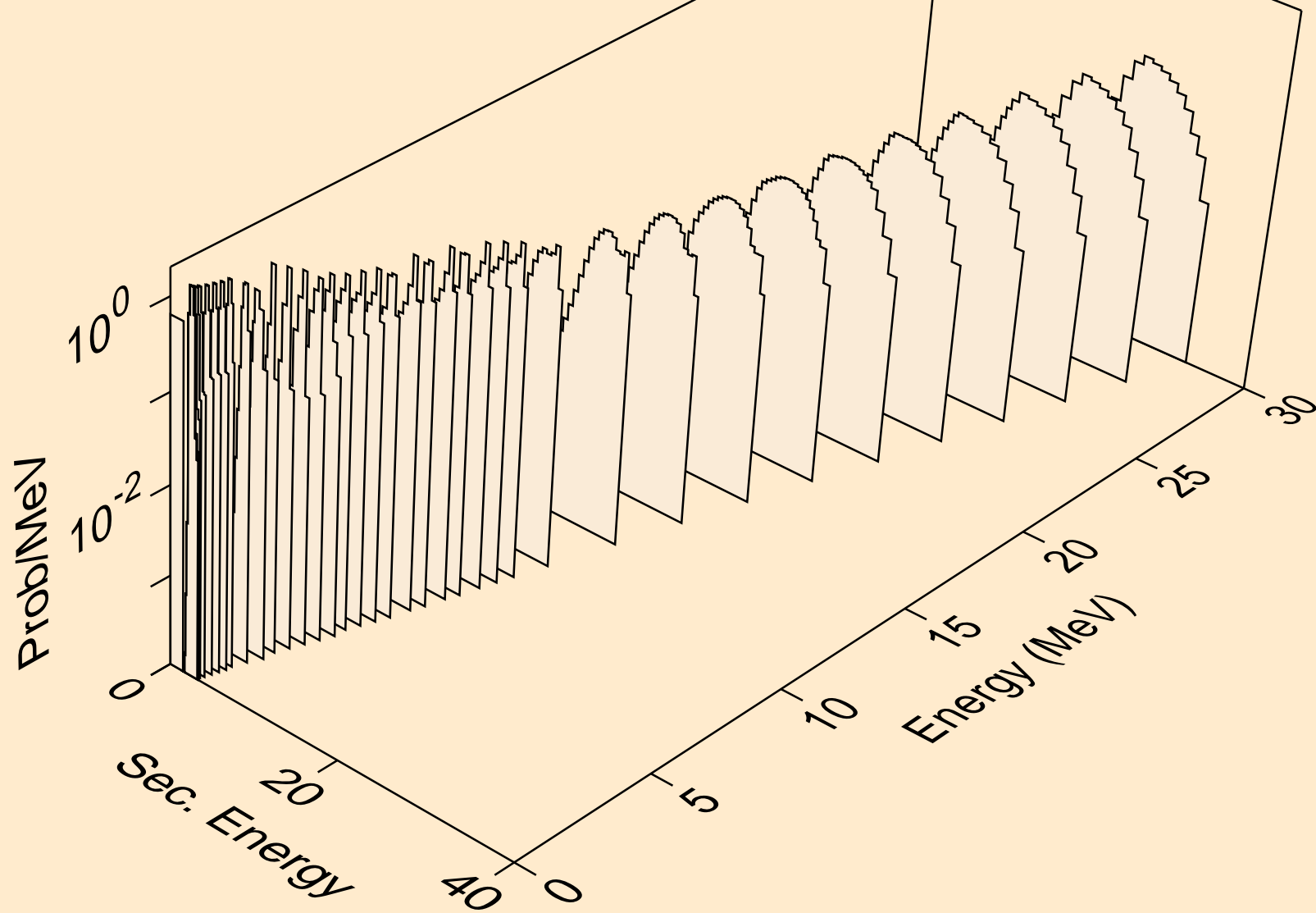
ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,2np)



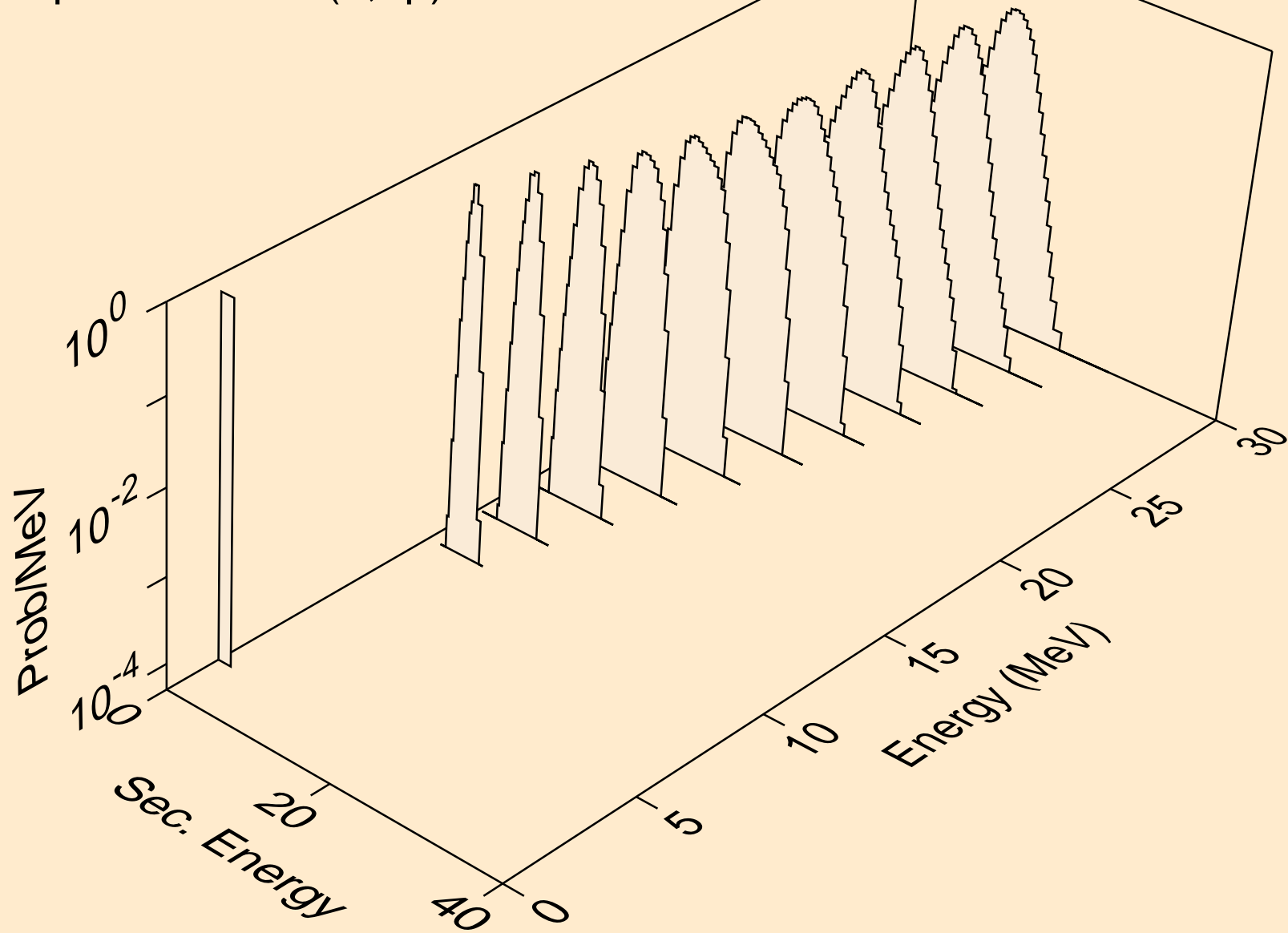
ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,npa)



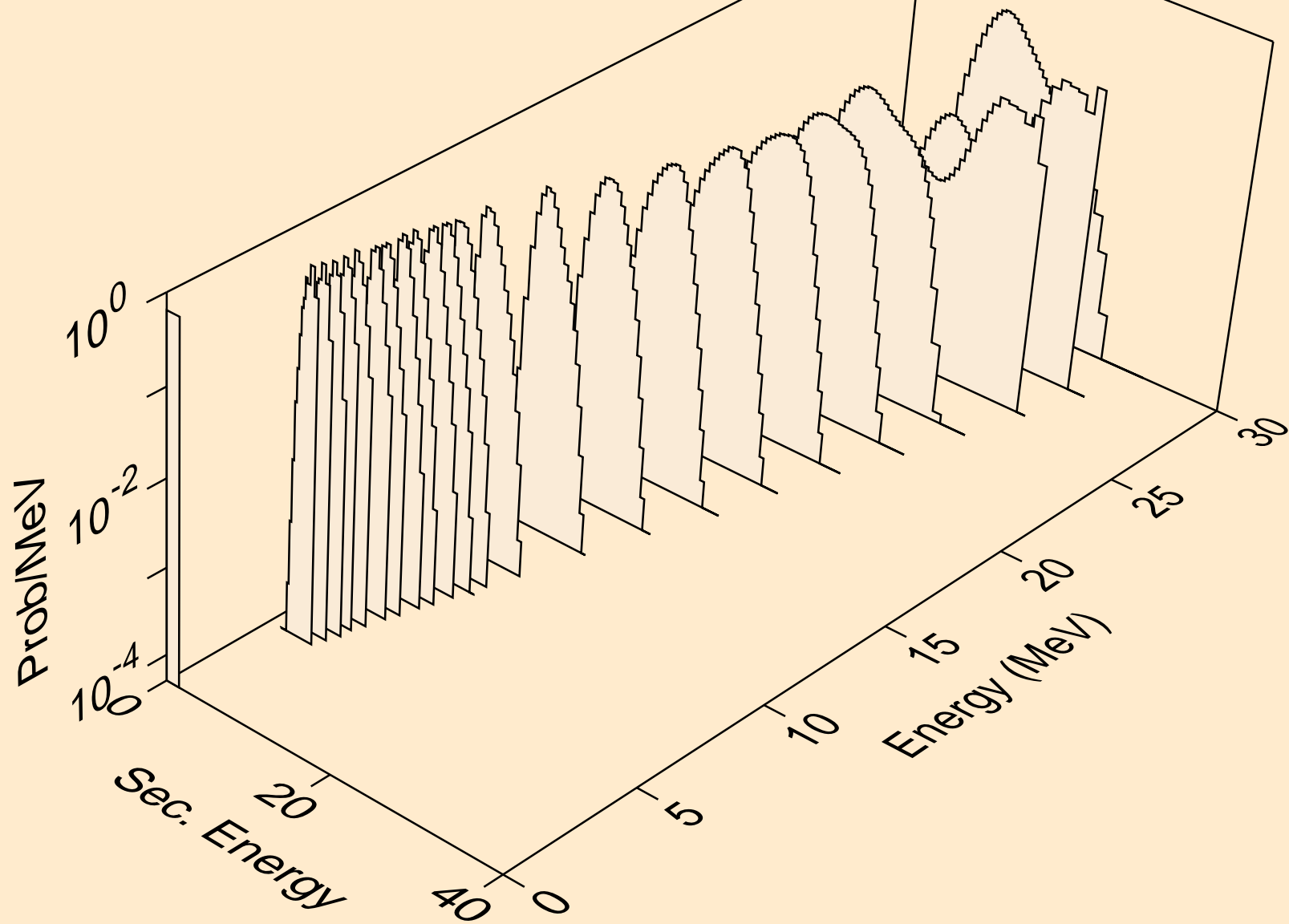
ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,p)



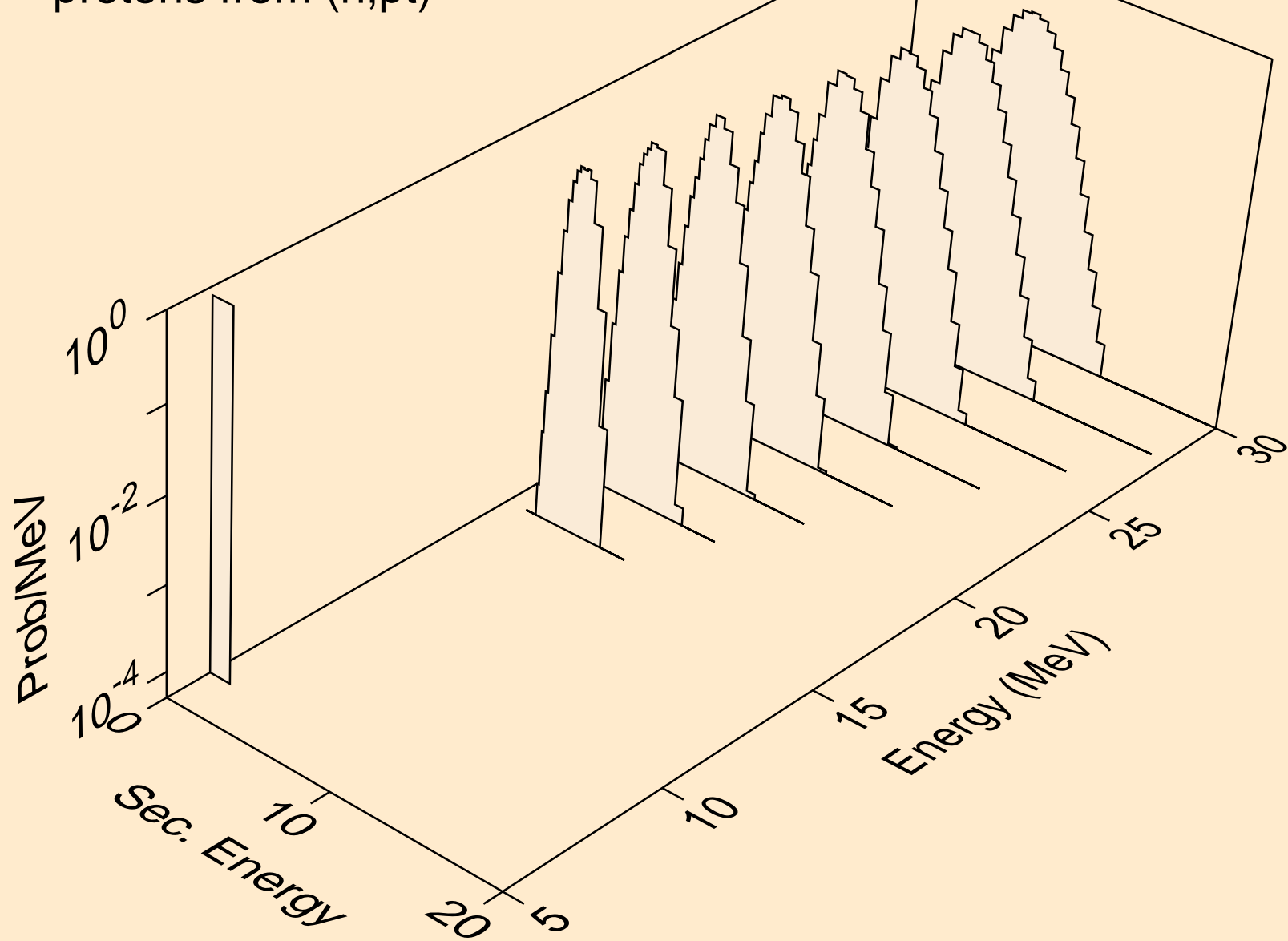
ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,2p)



ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,p)

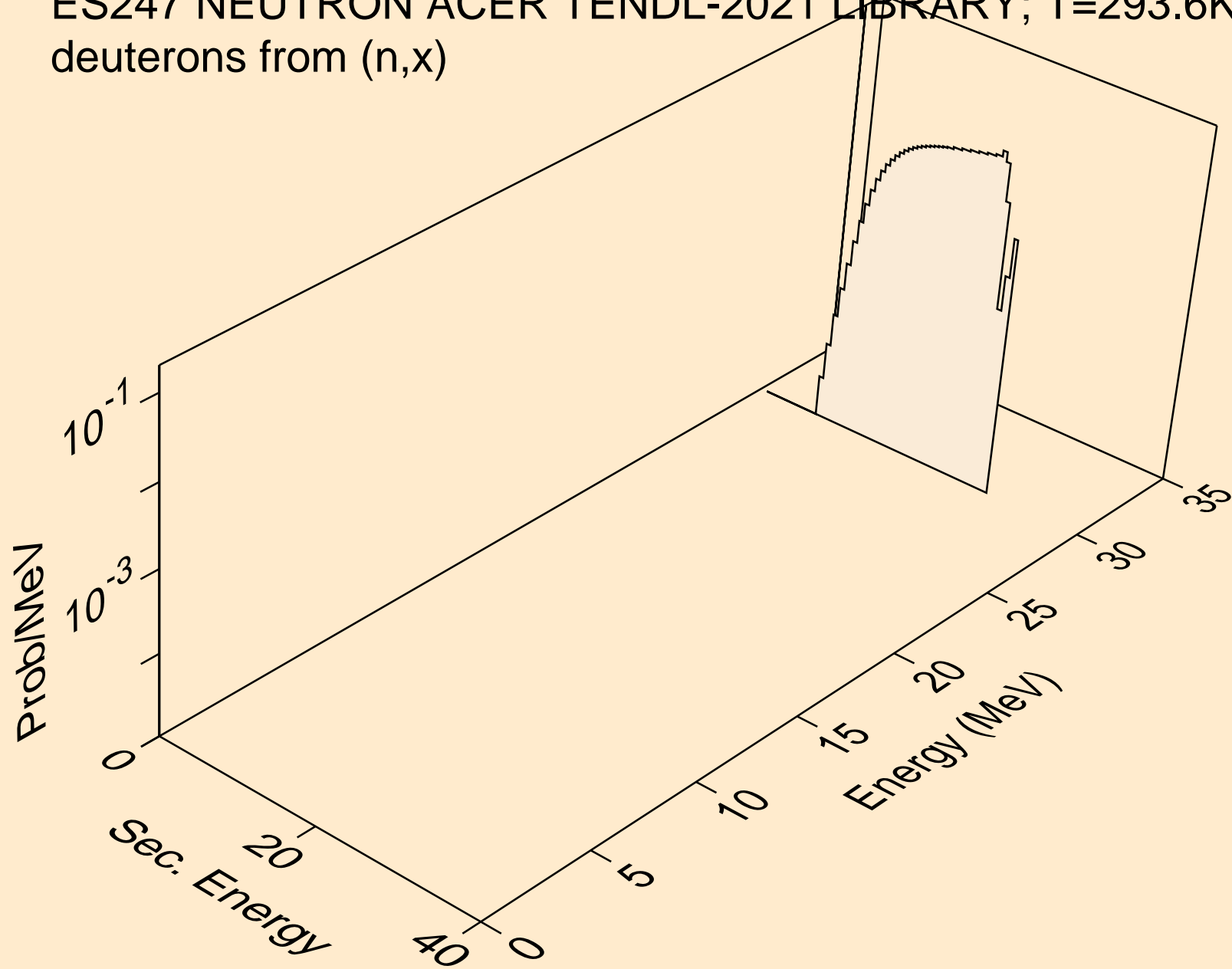


ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,pt)

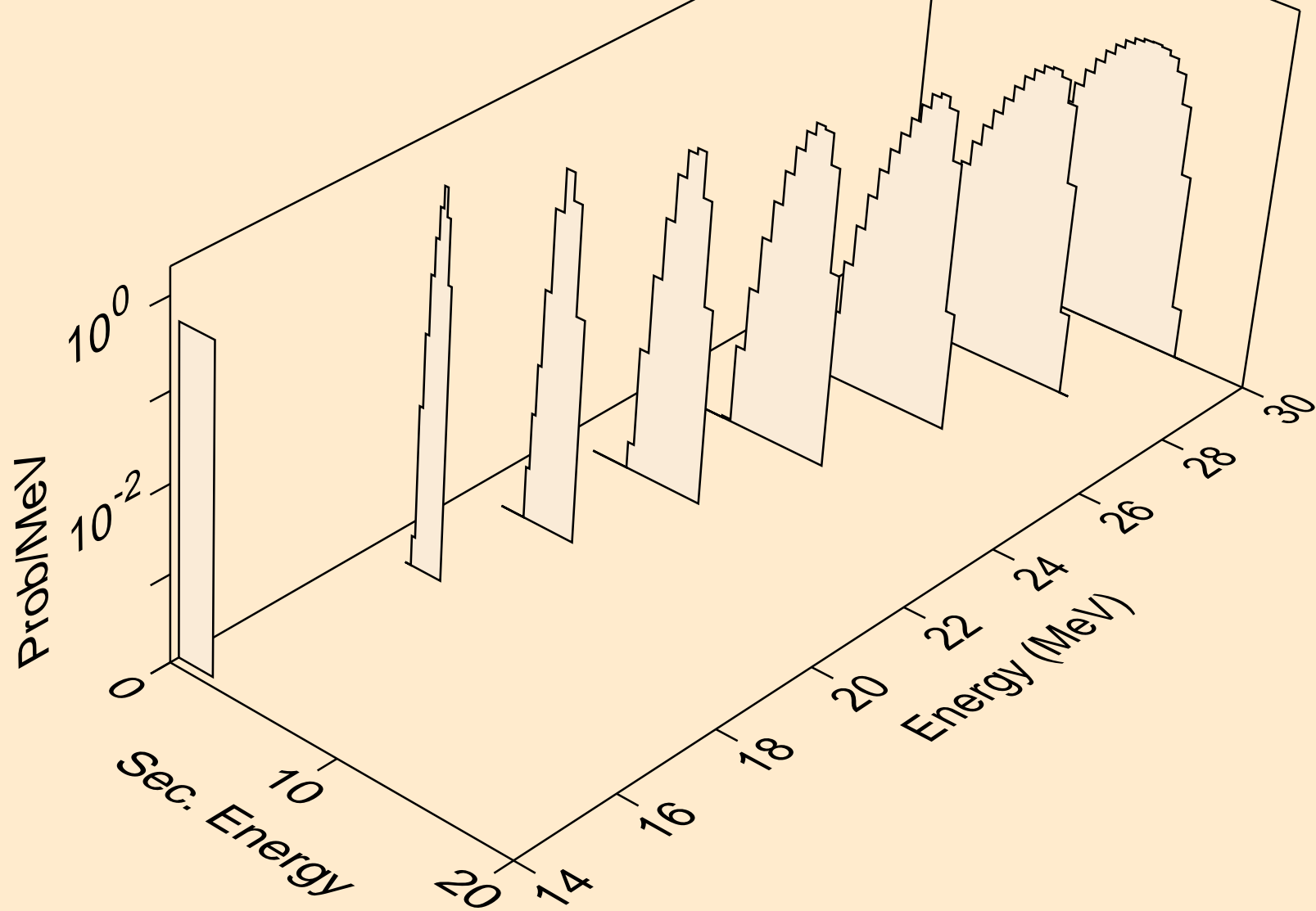




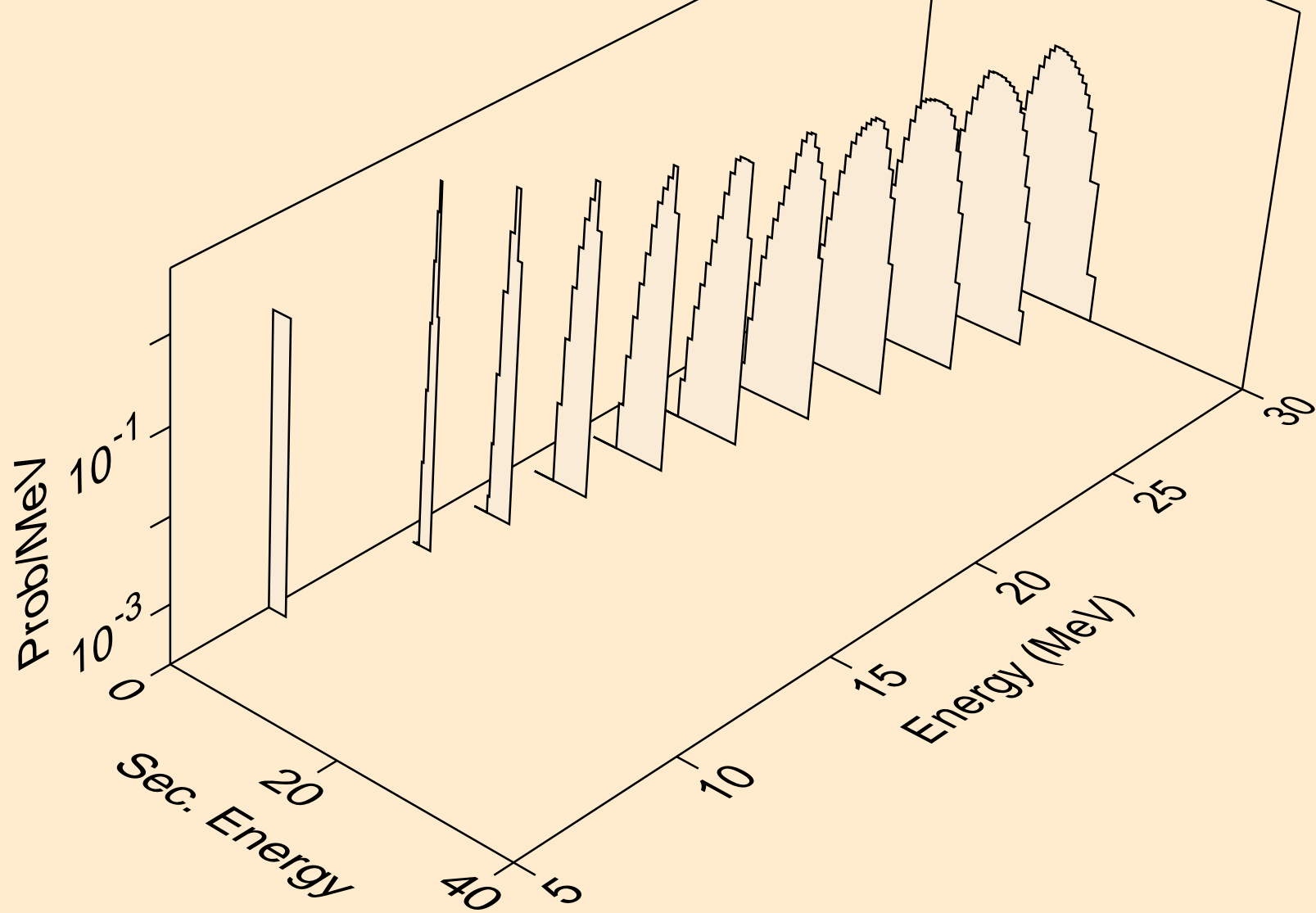
ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,x)



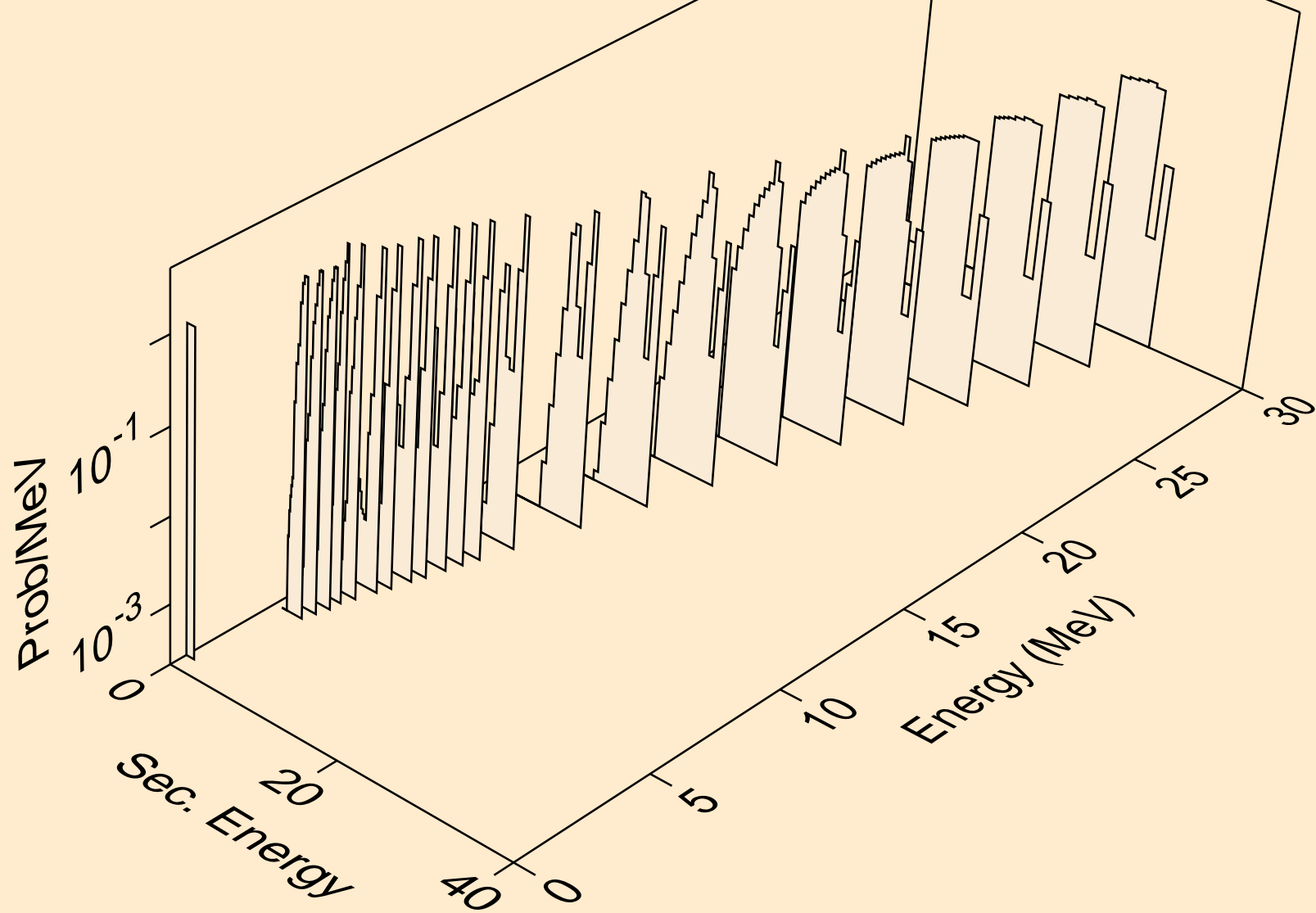
ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,2nd)



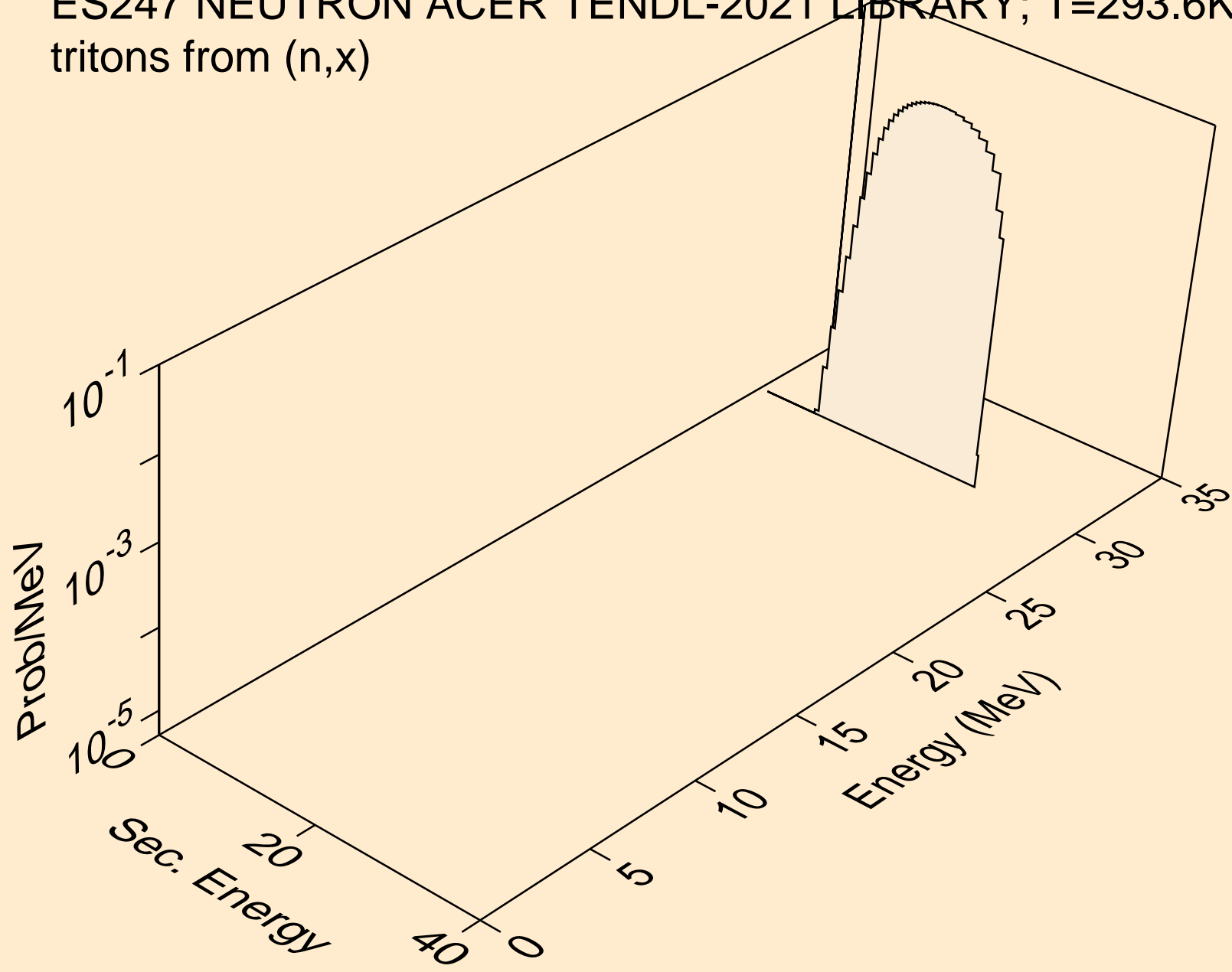
ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,n\*)d



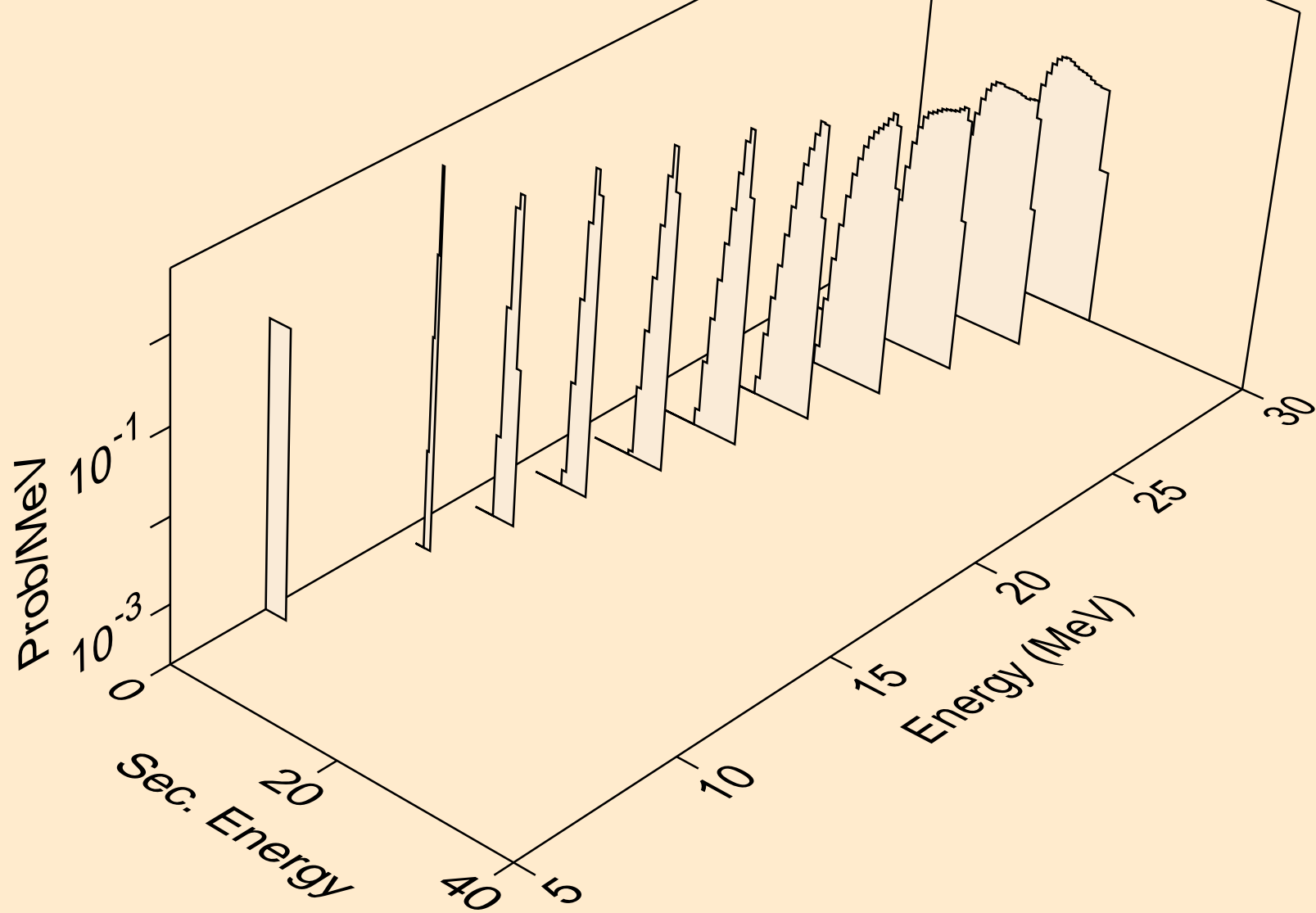
ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,d)



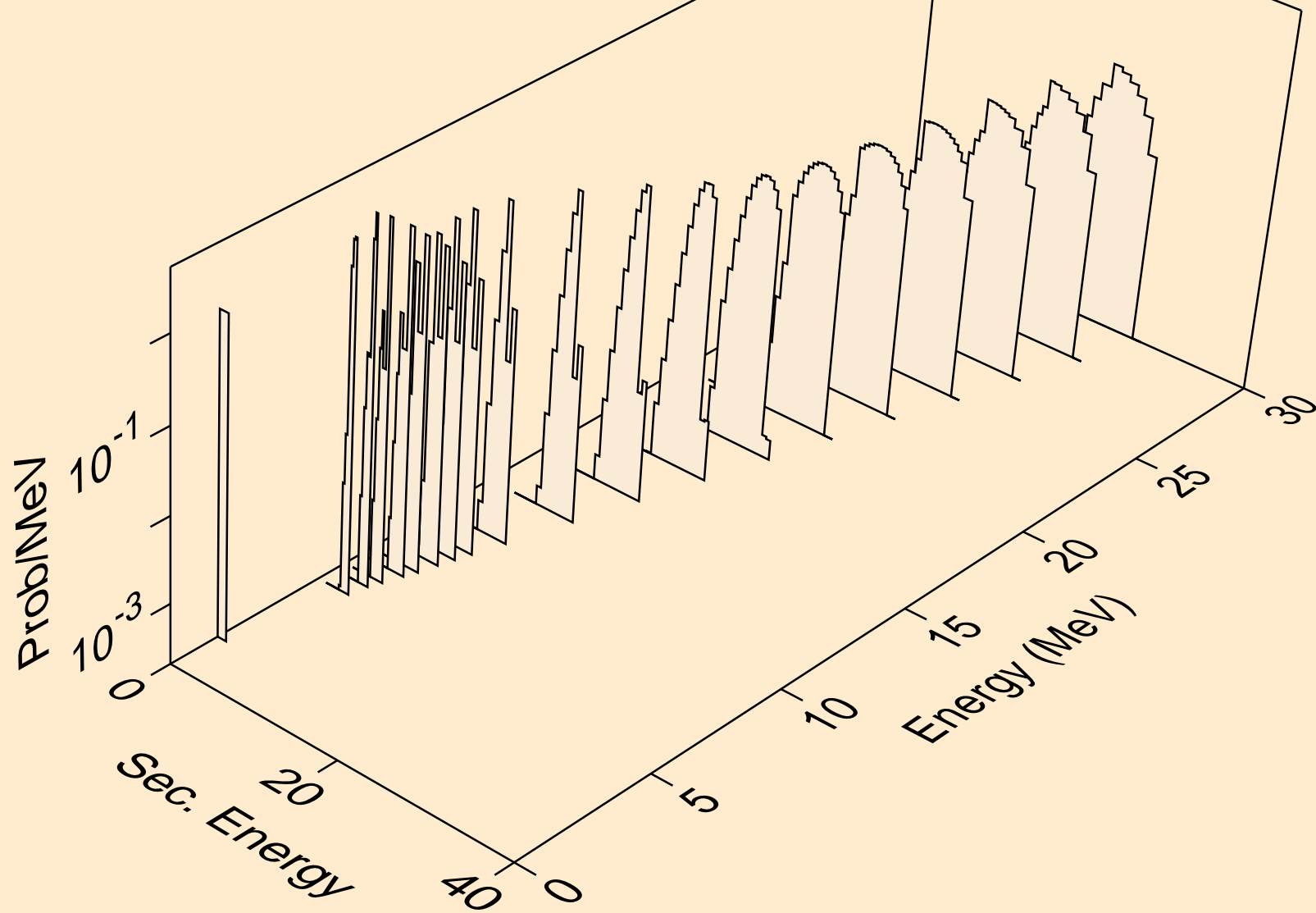
ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,x)



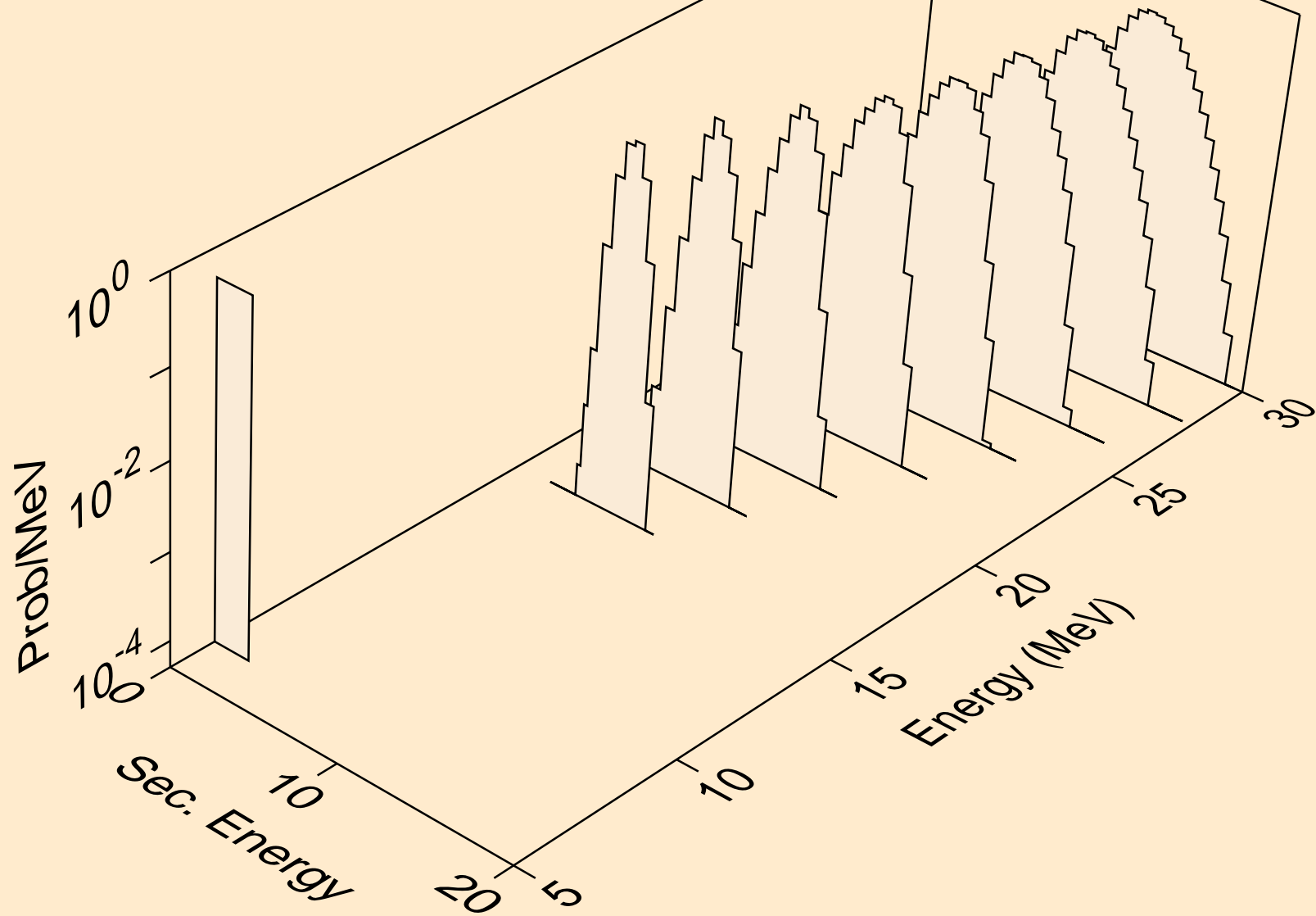
ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,n\*)t



ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,t)

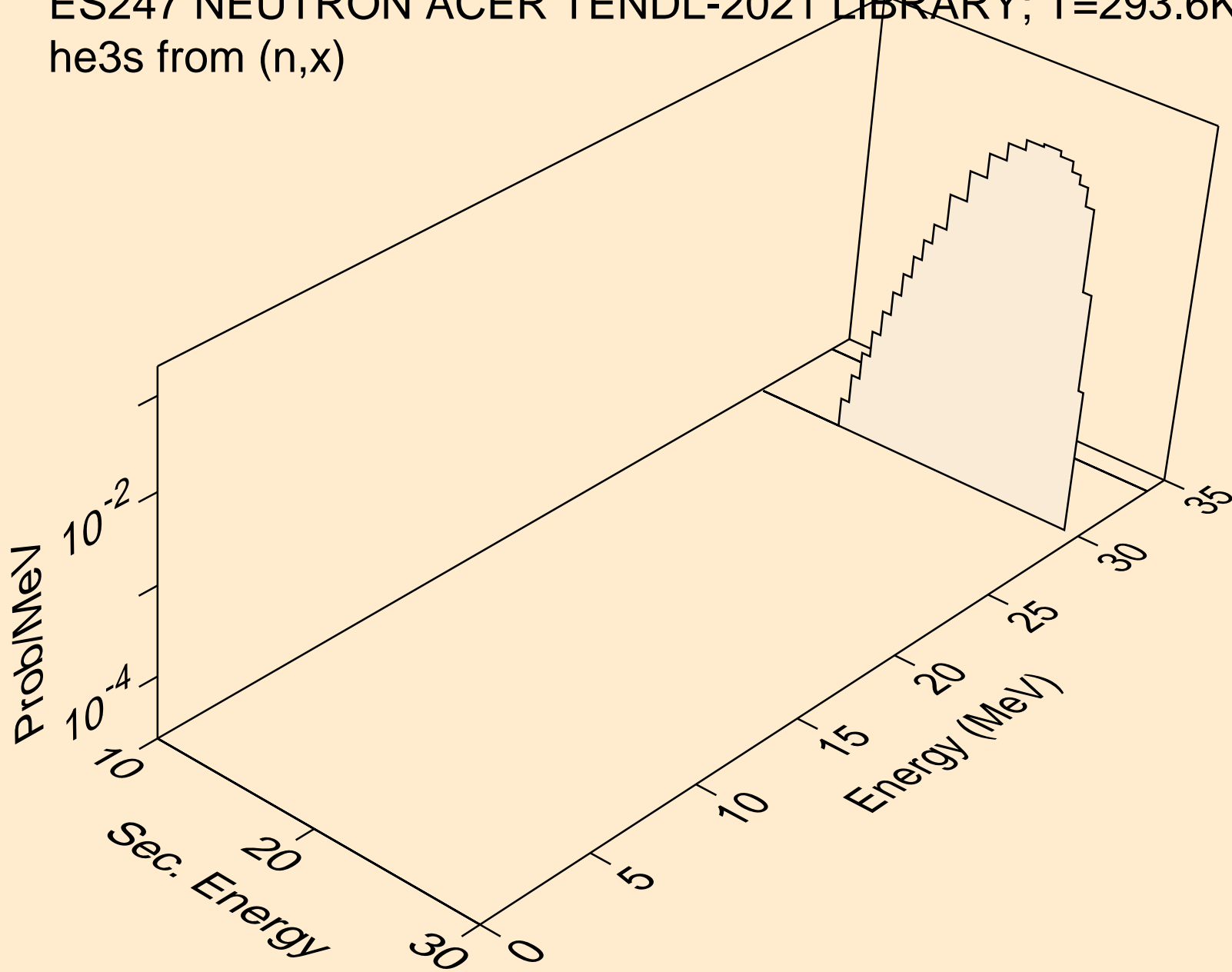


ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,pt)

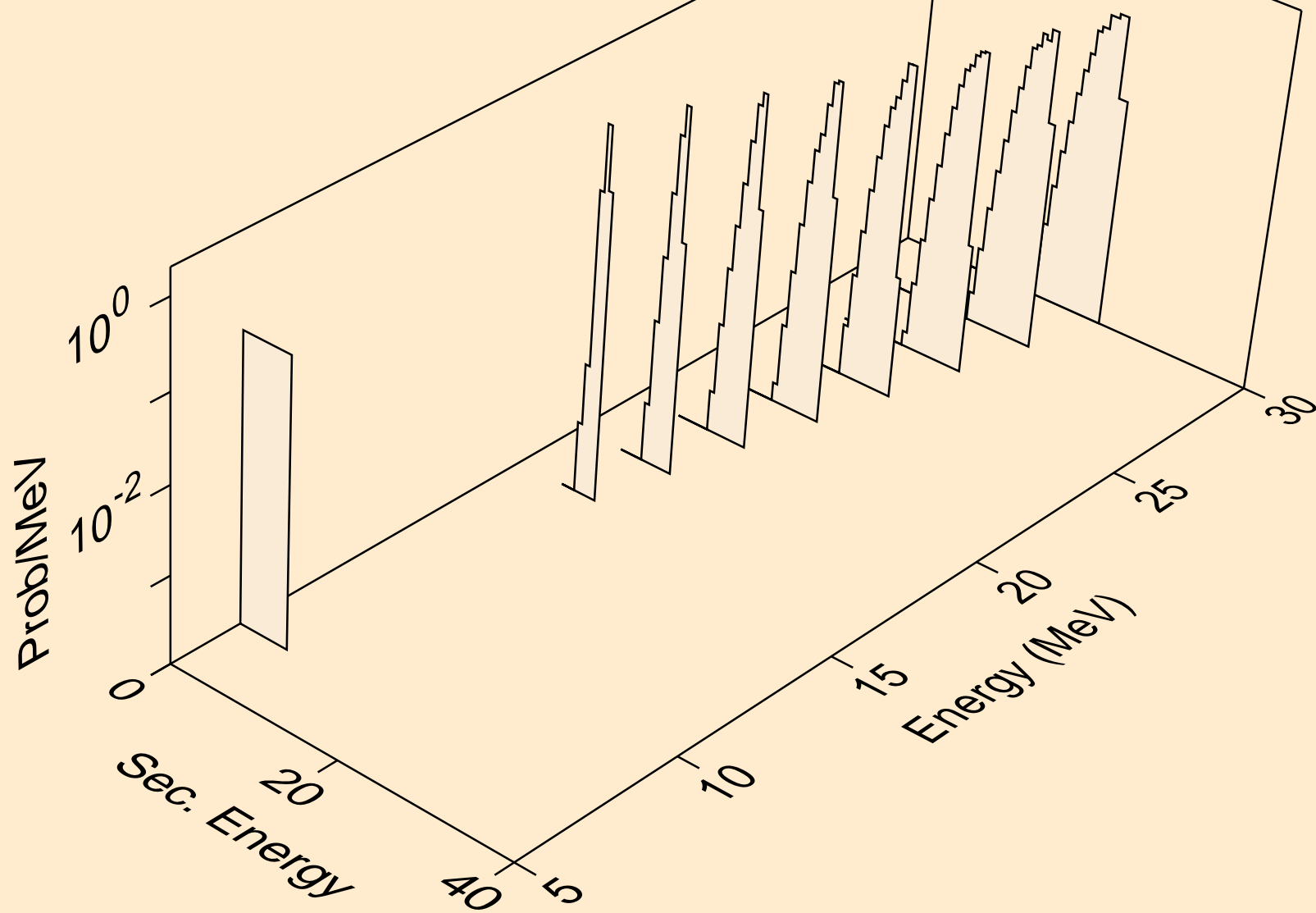




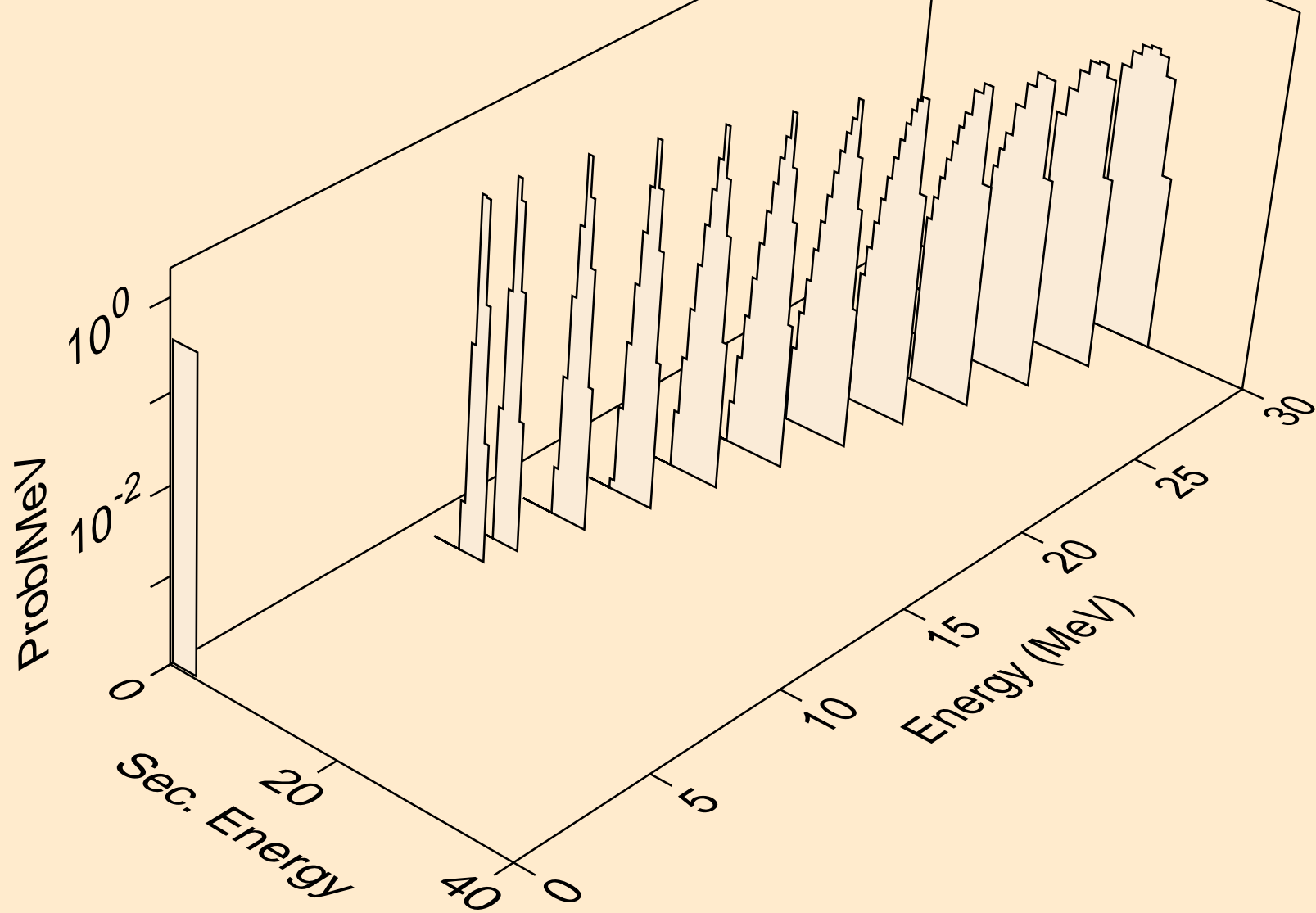
ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
he3s from (n,x)



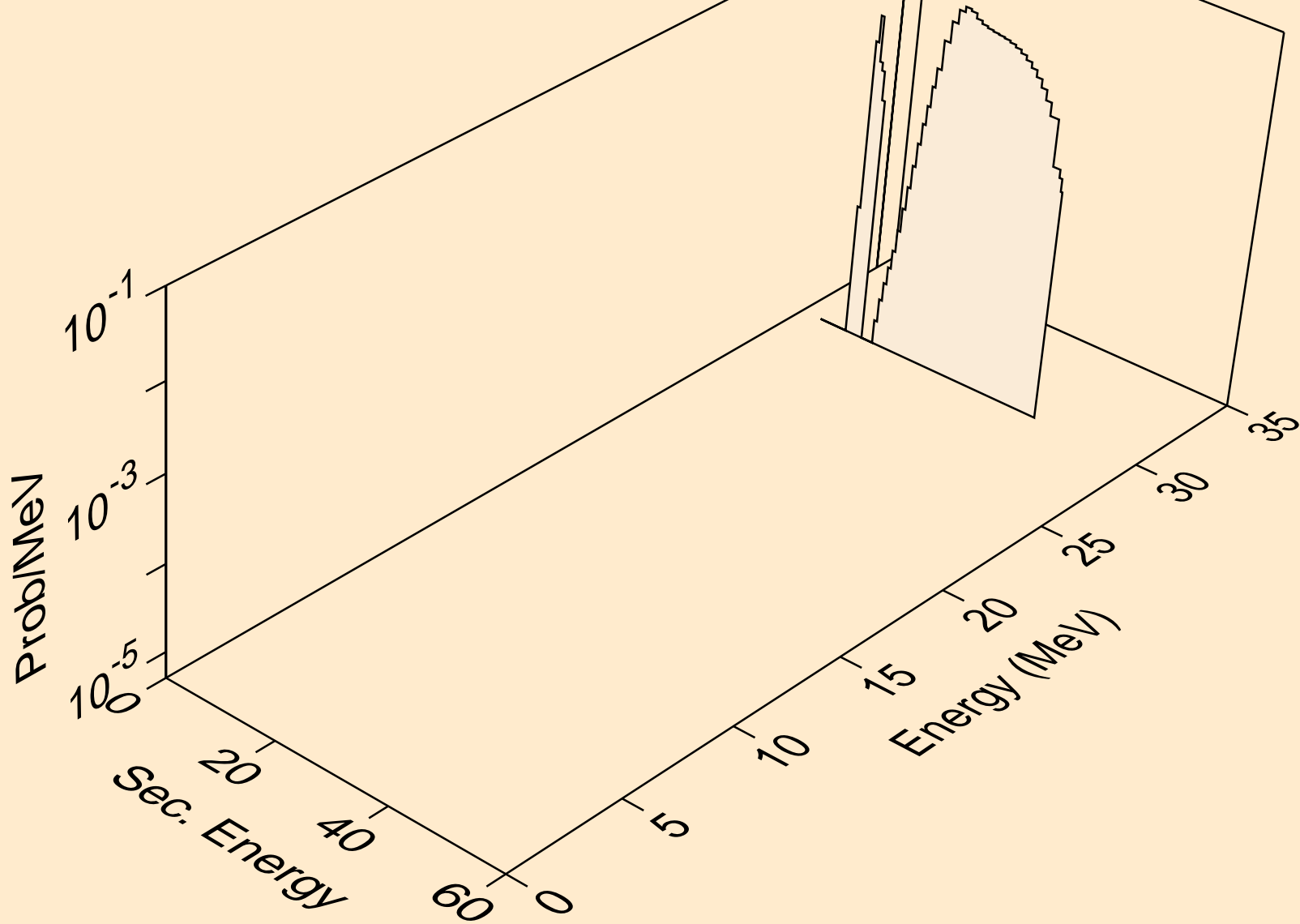
ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
he3s from (n,n\*)he3



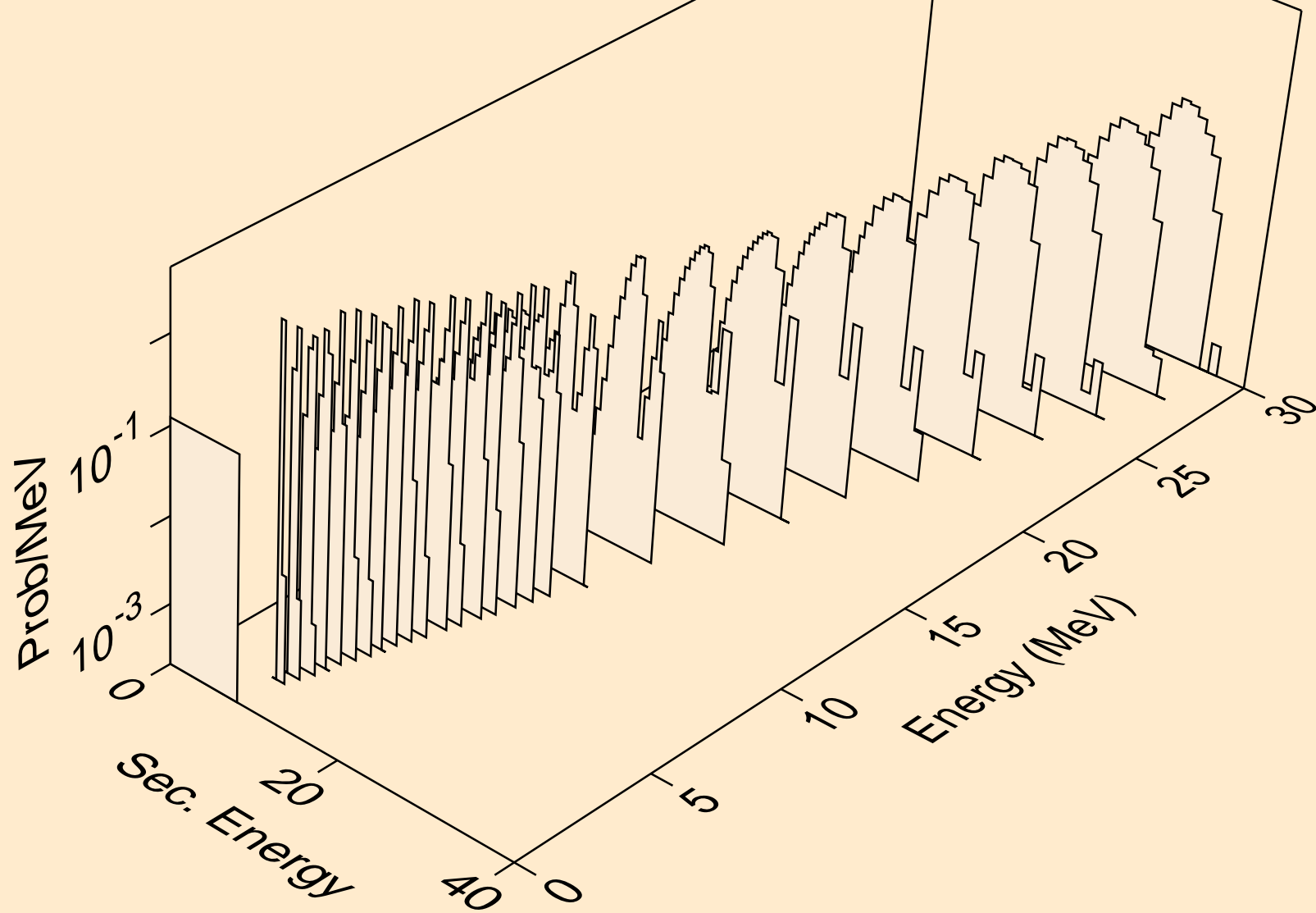
ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
he3s from (n,he3)



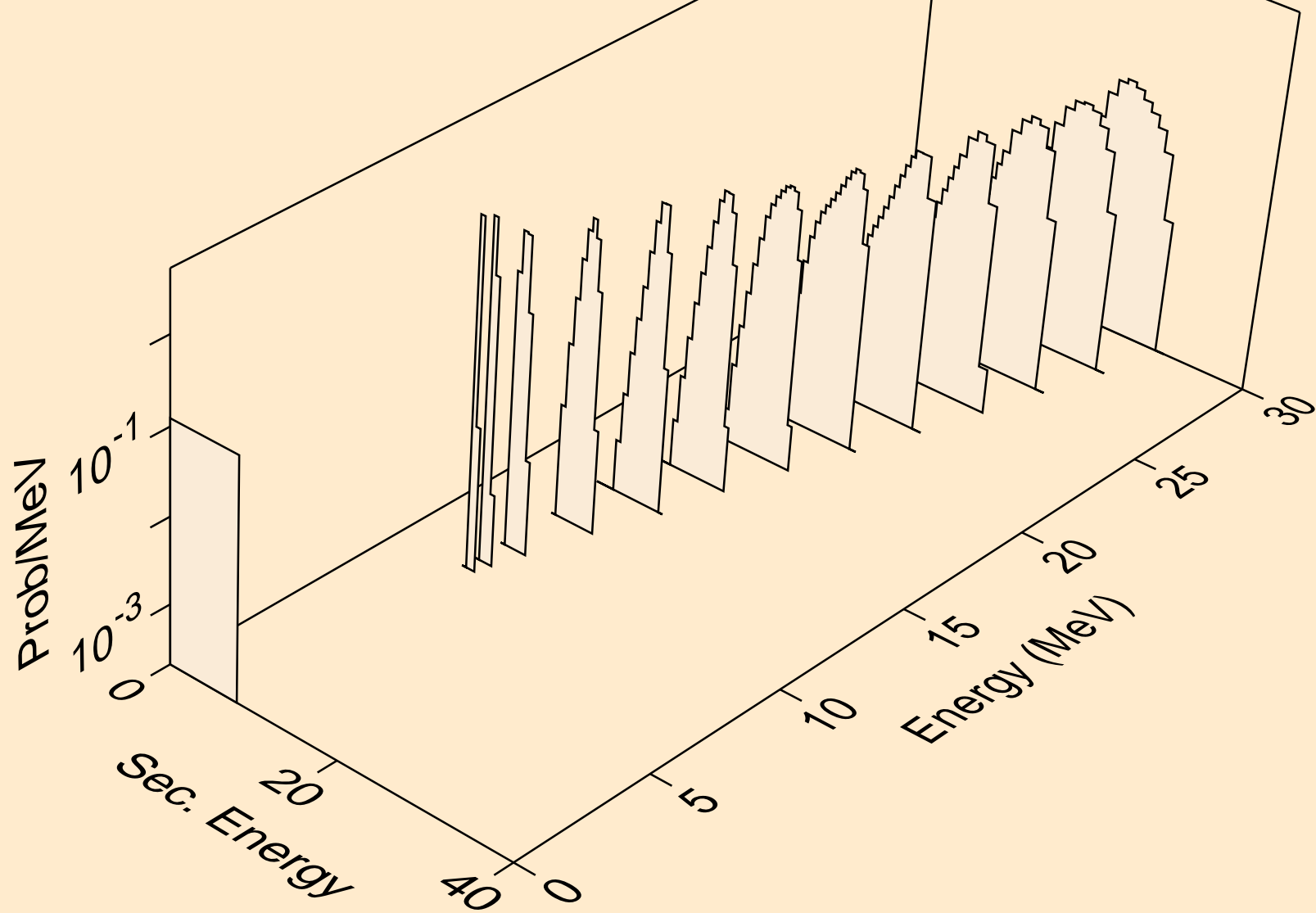
ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,x)



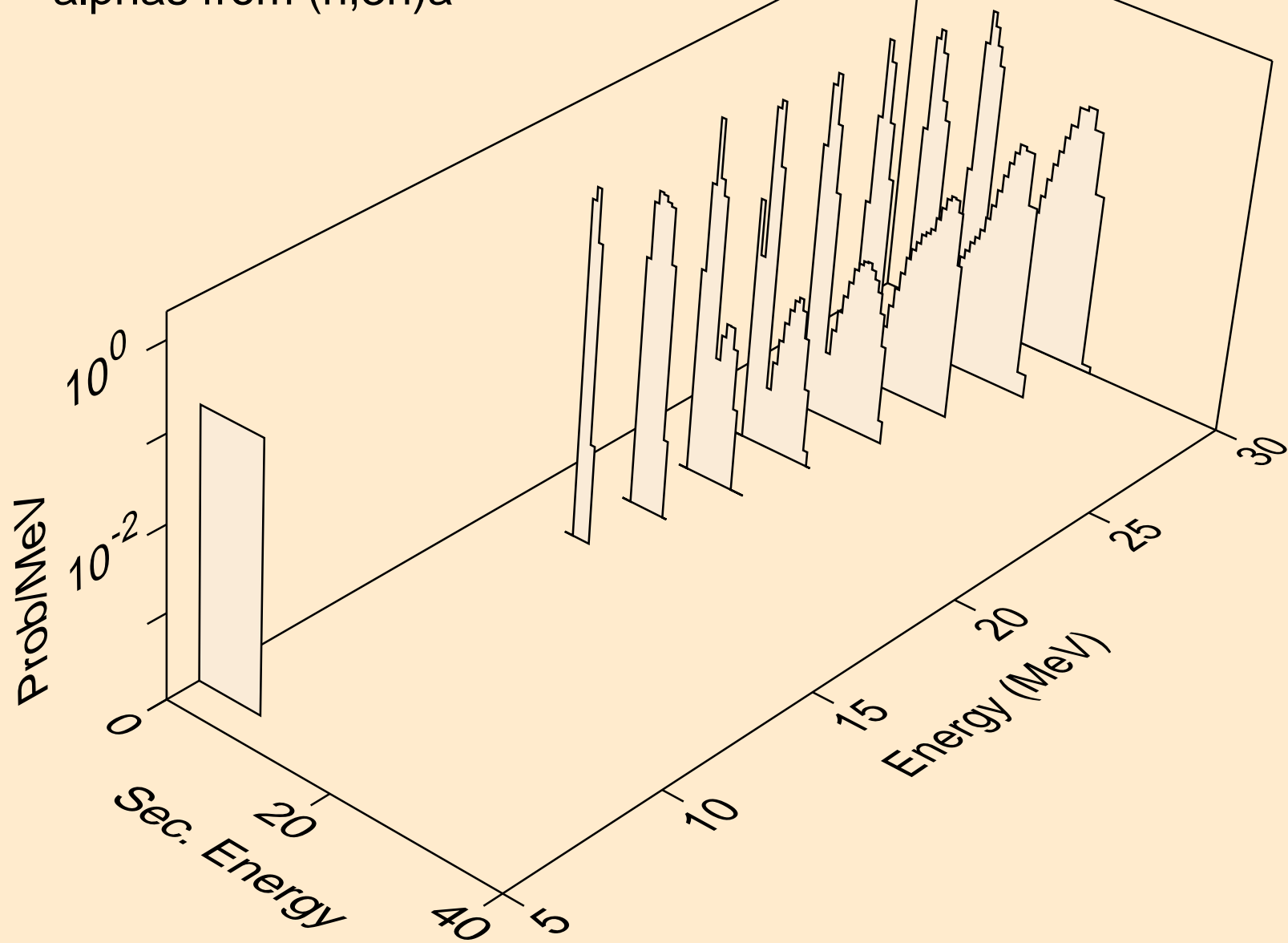
ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,n\*)a



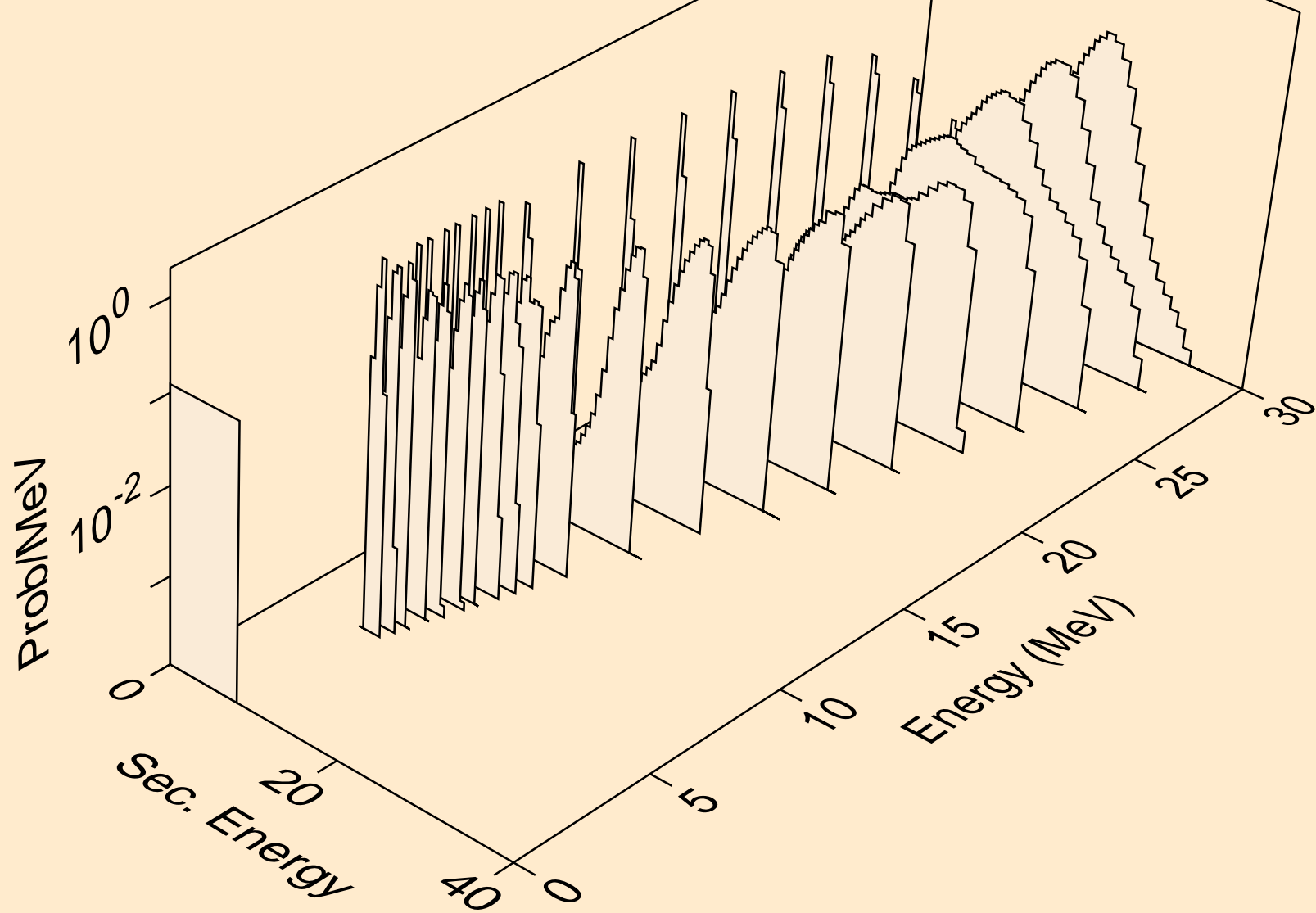
ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2n)a



ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,3n)a

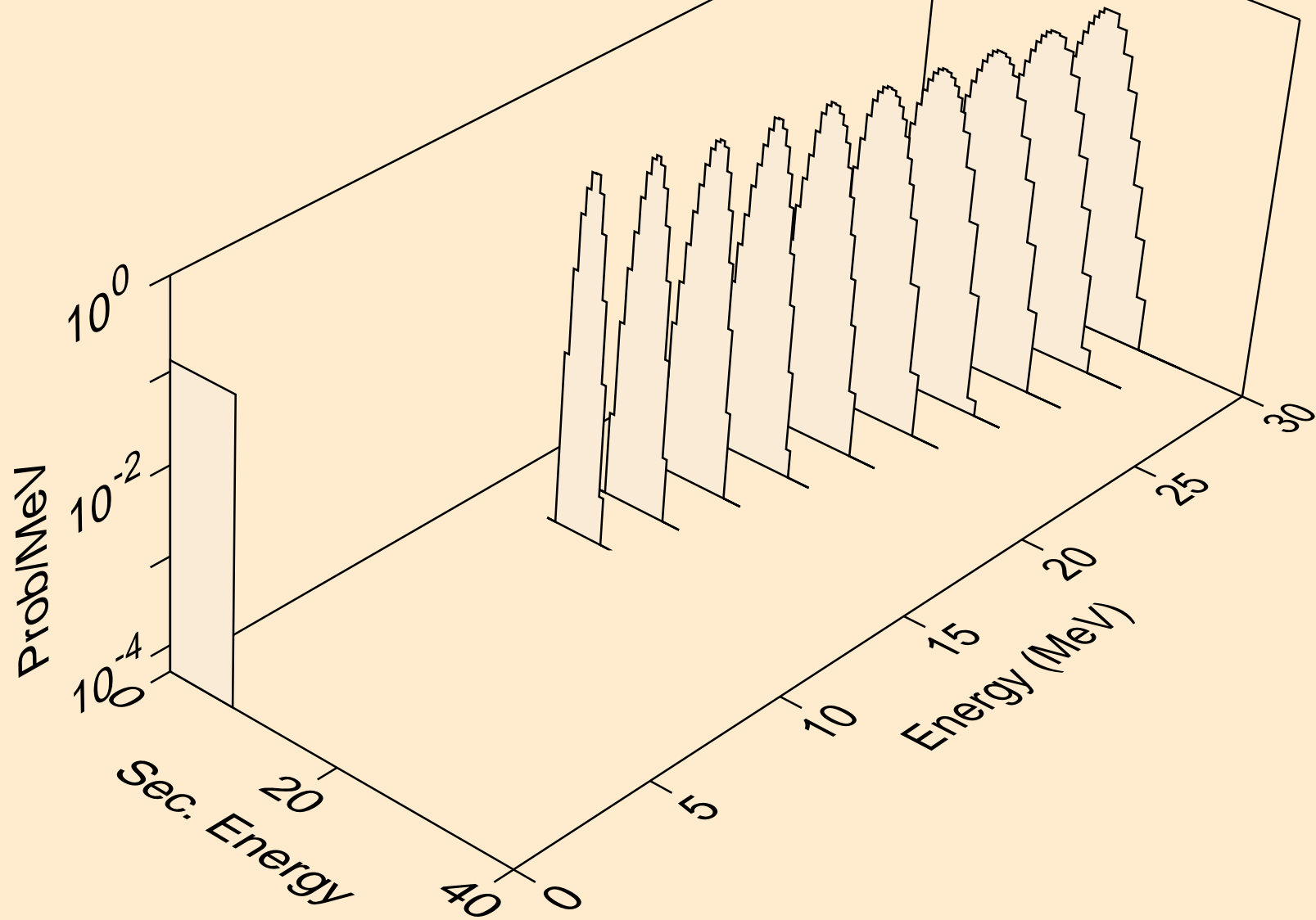


ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,n\*)2a

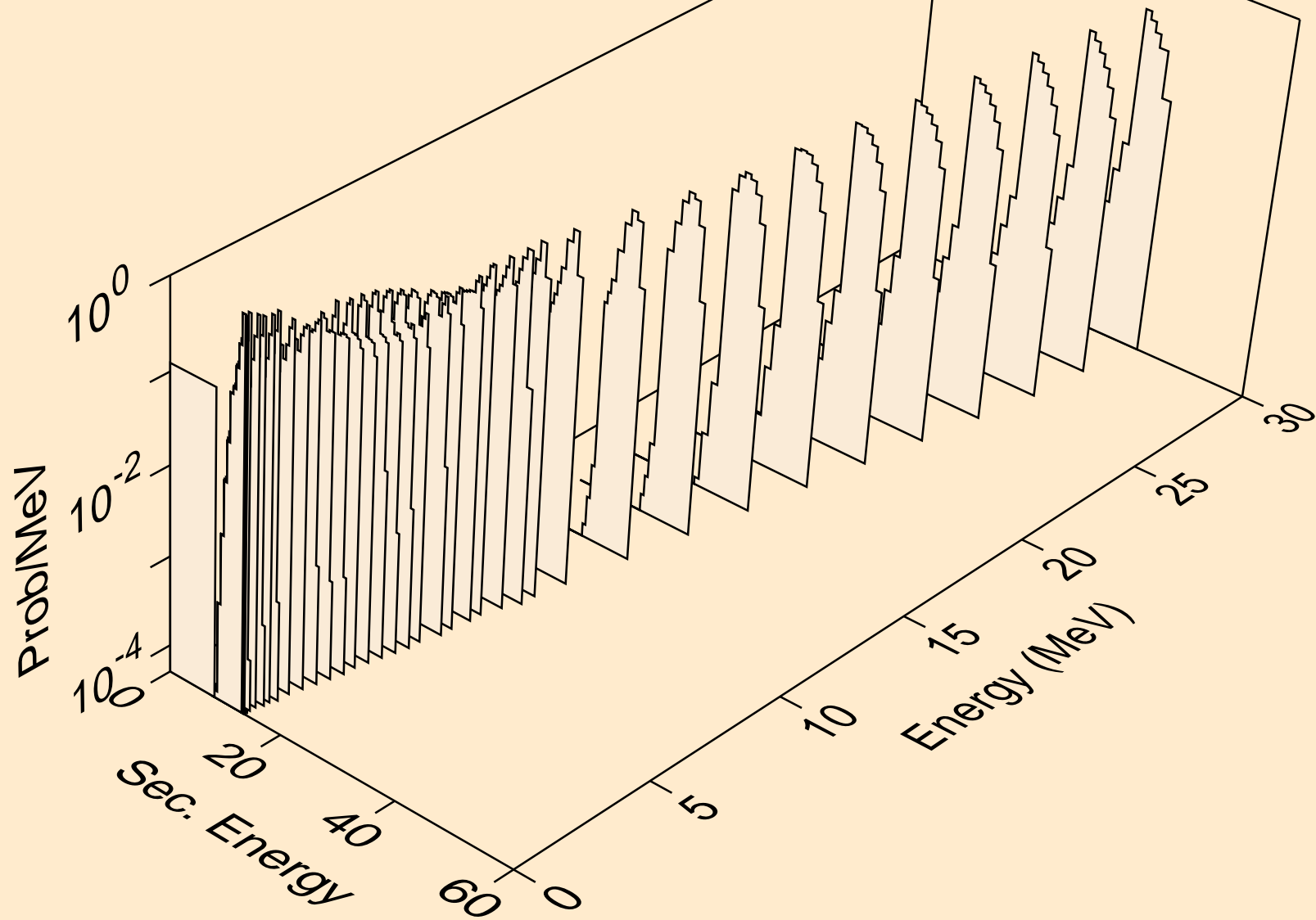




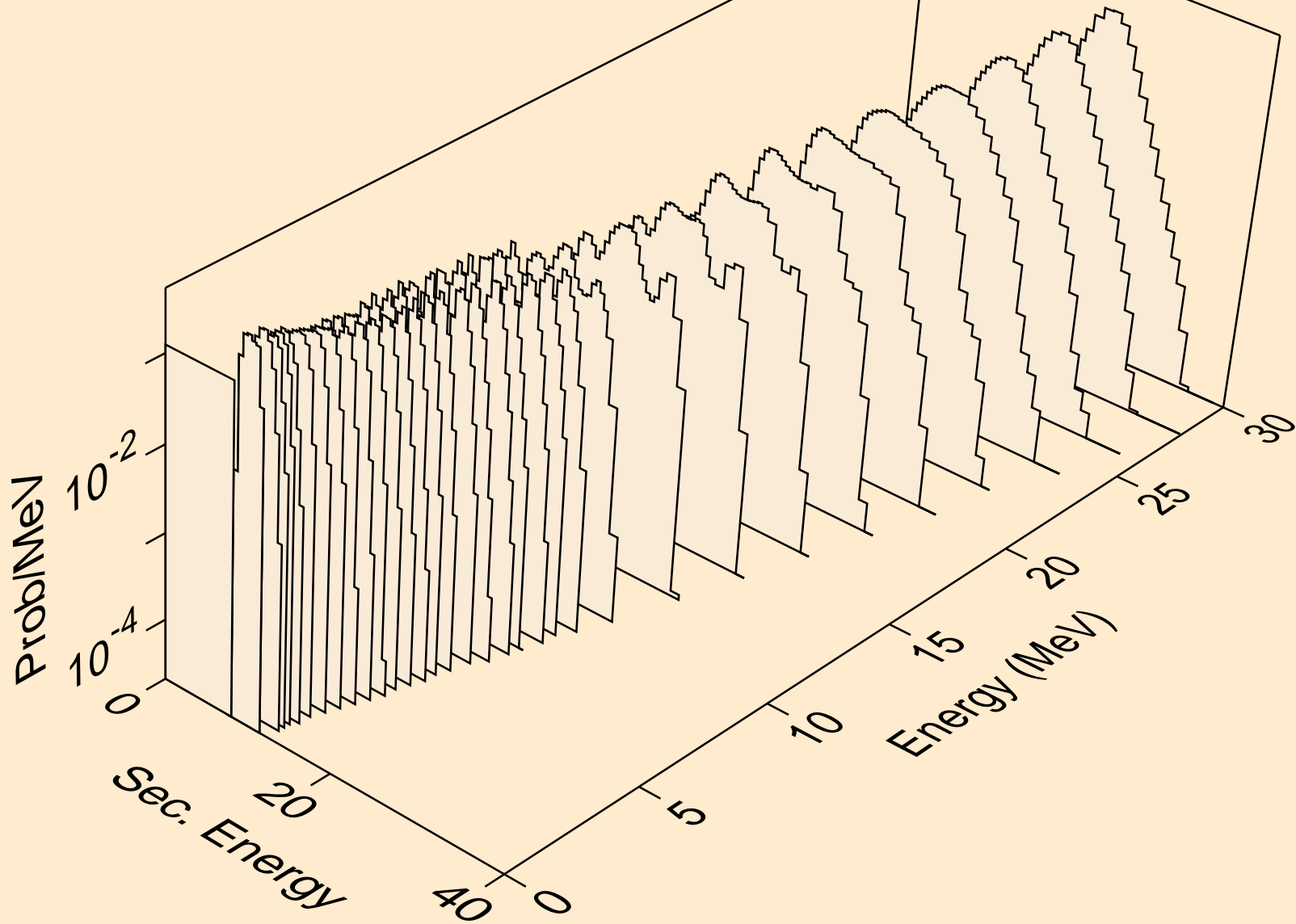
ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,npa)



ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,a)



ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2a)



ES247 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,pa)

