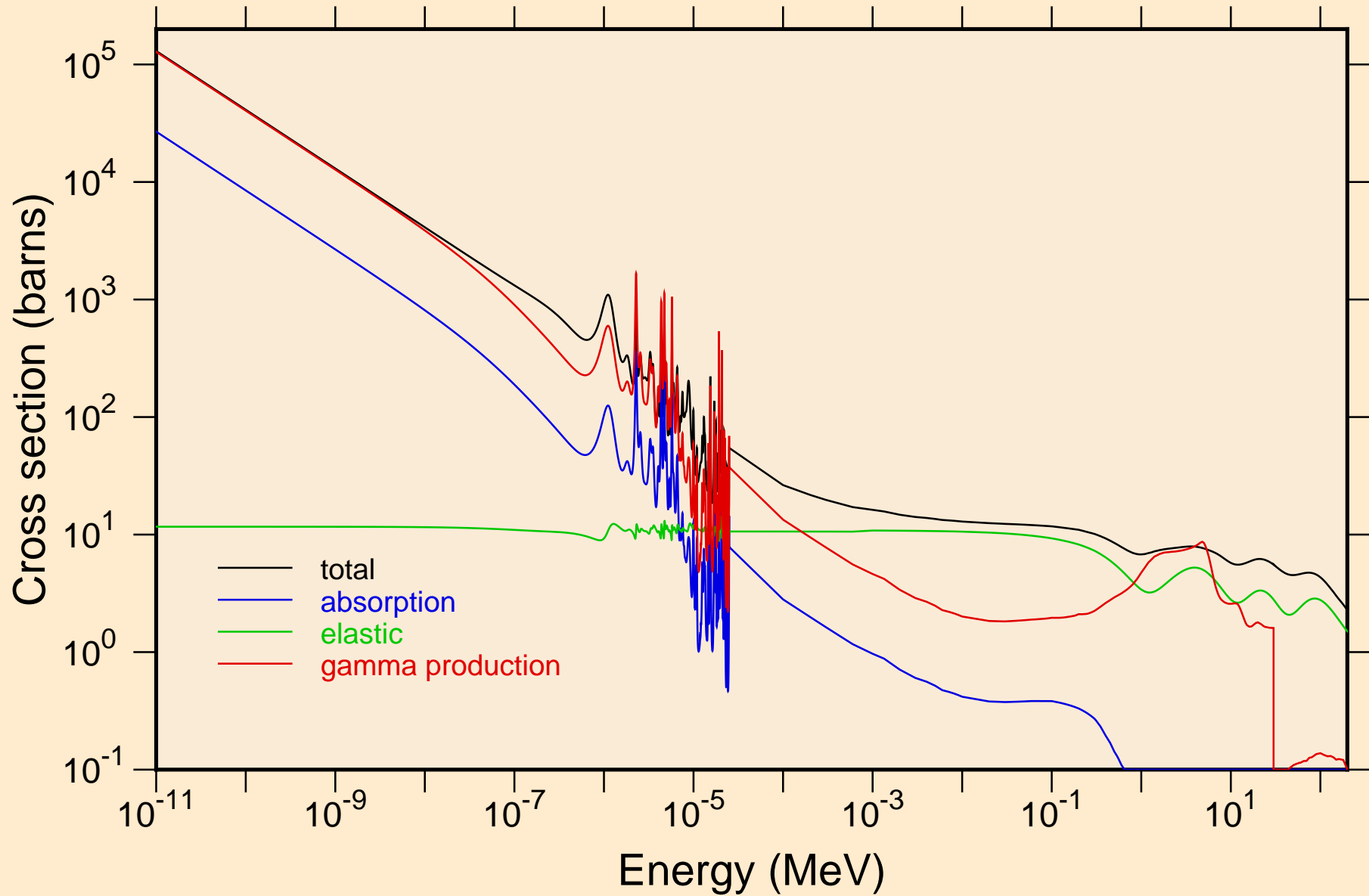
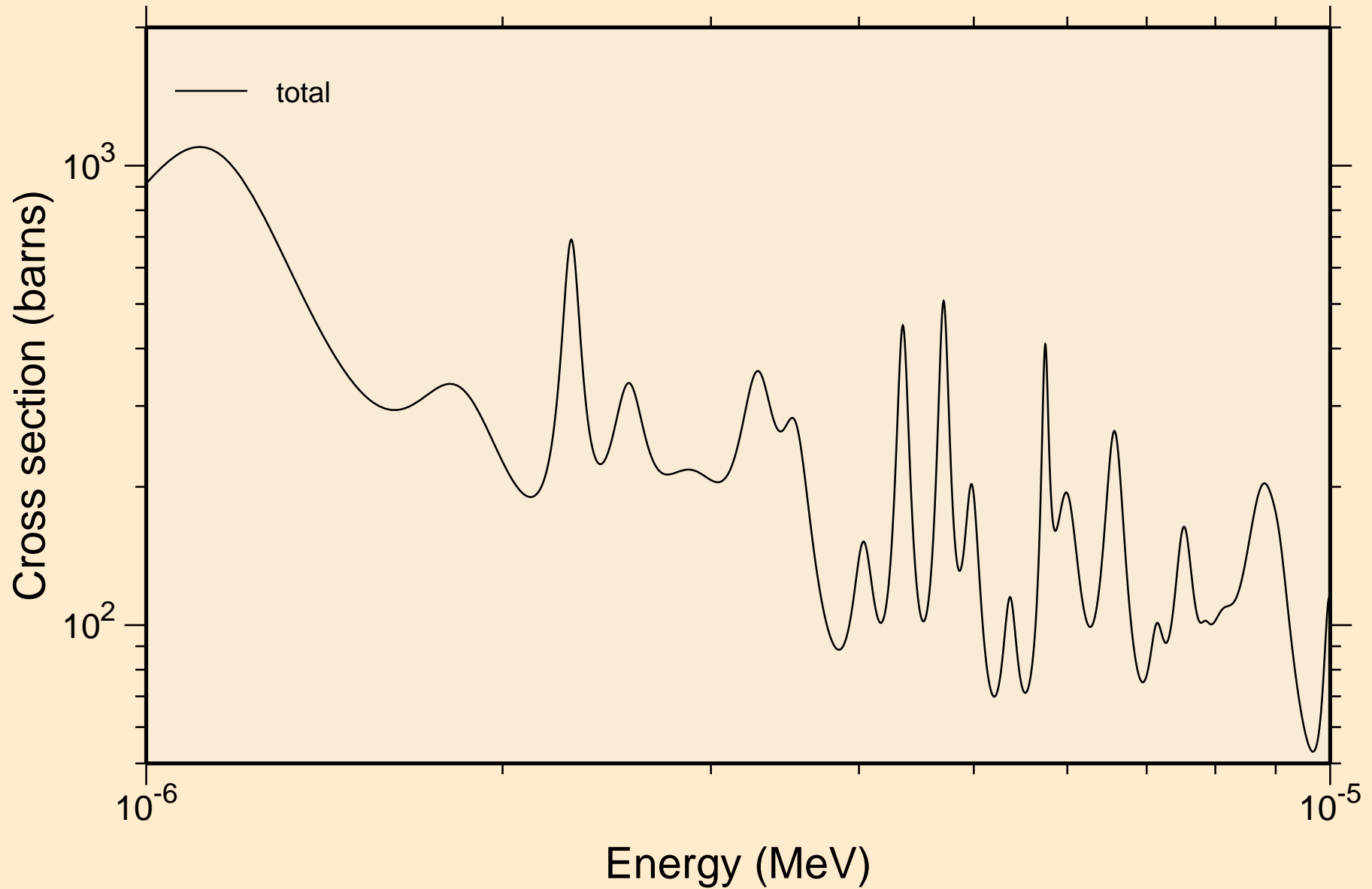


# NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

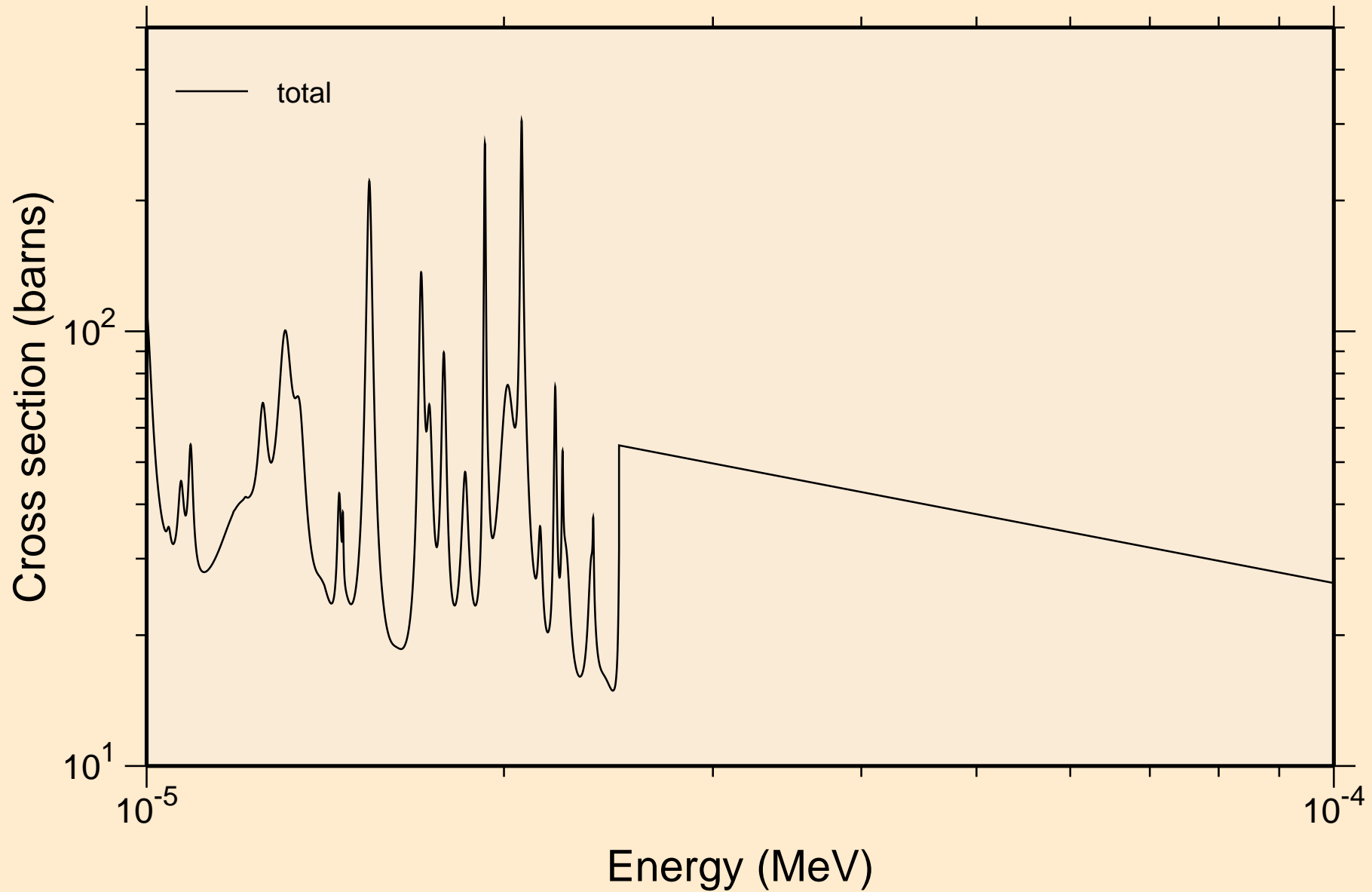
## Principal cross sections



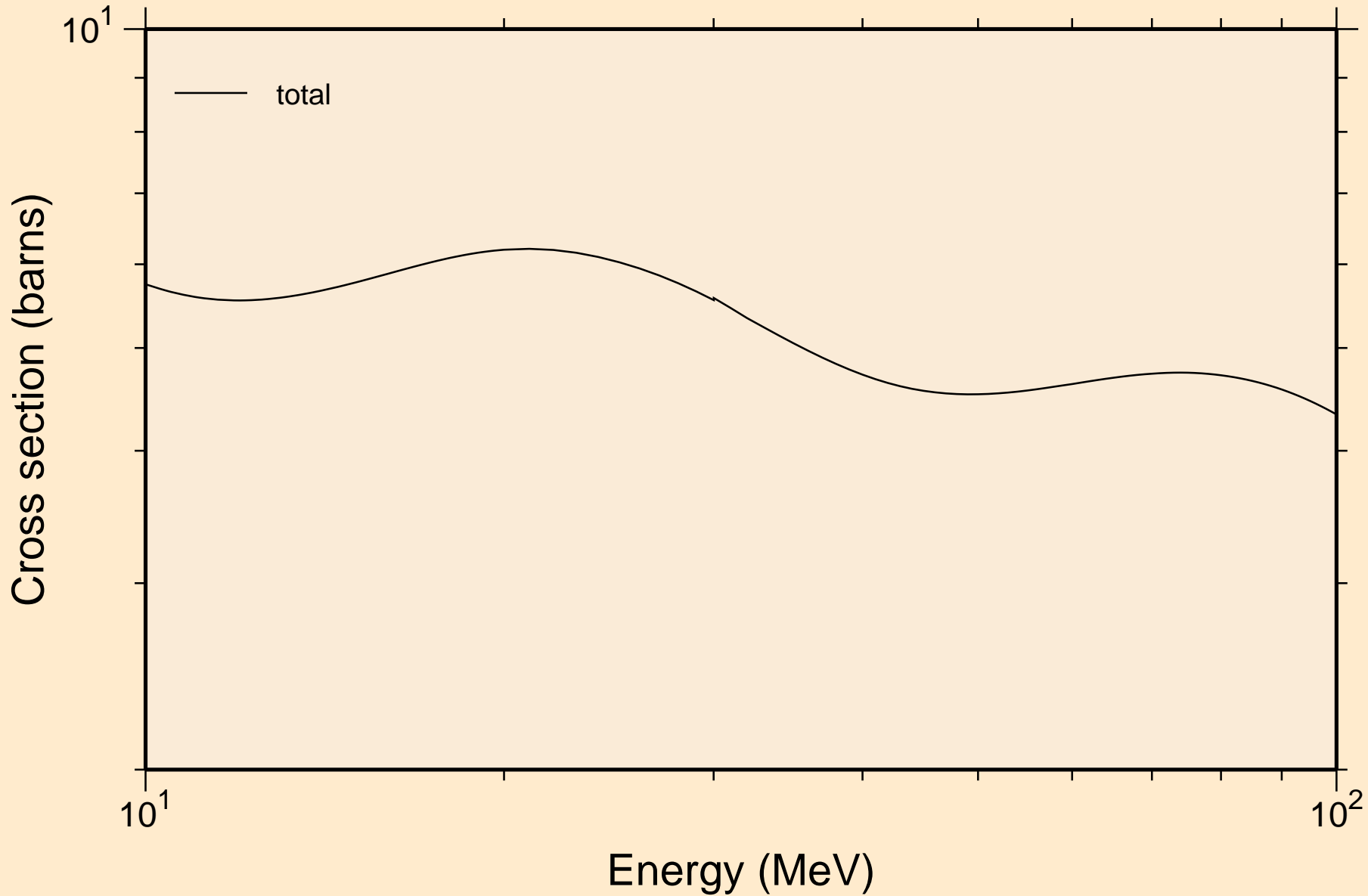
NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



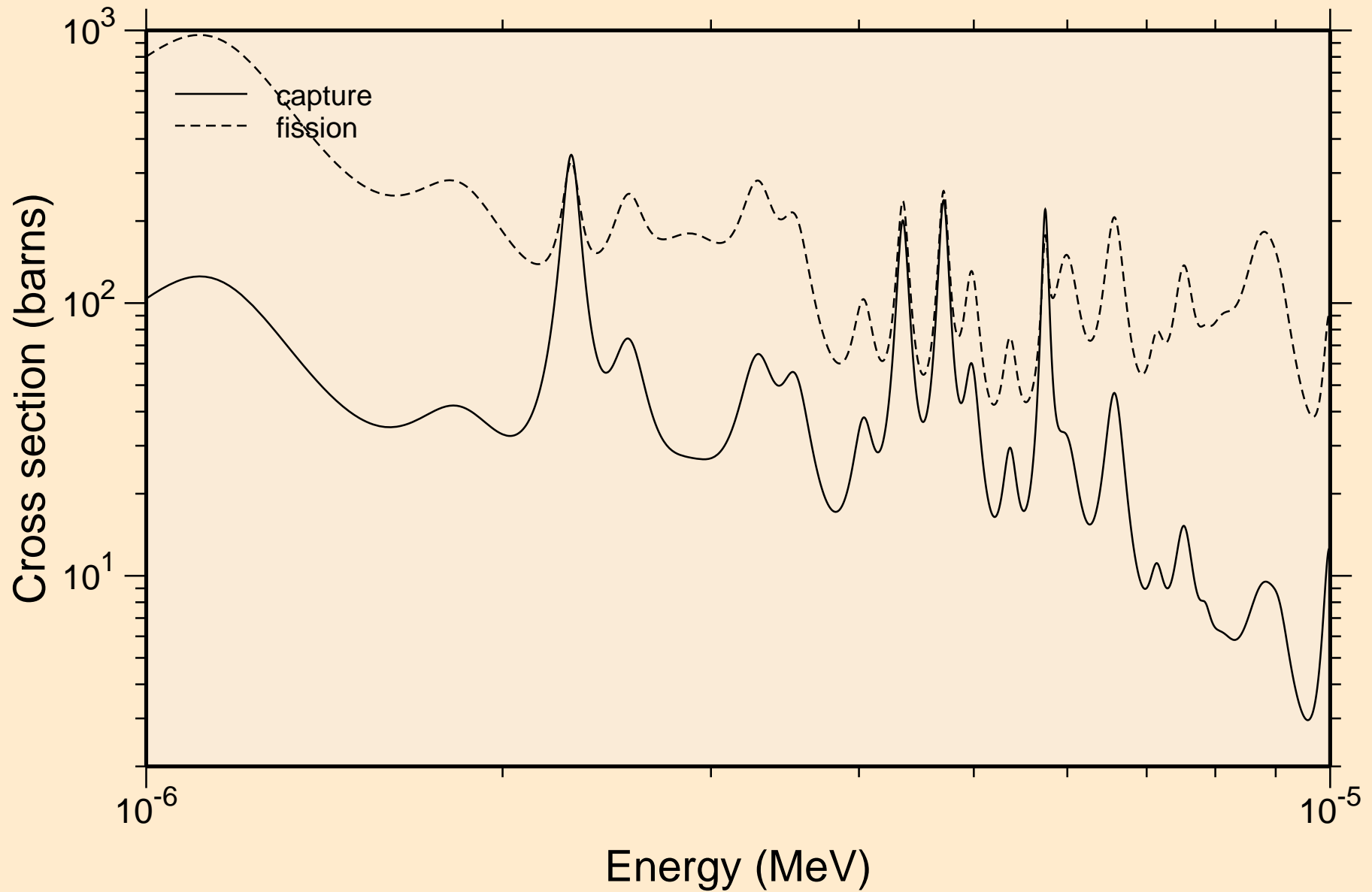
NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



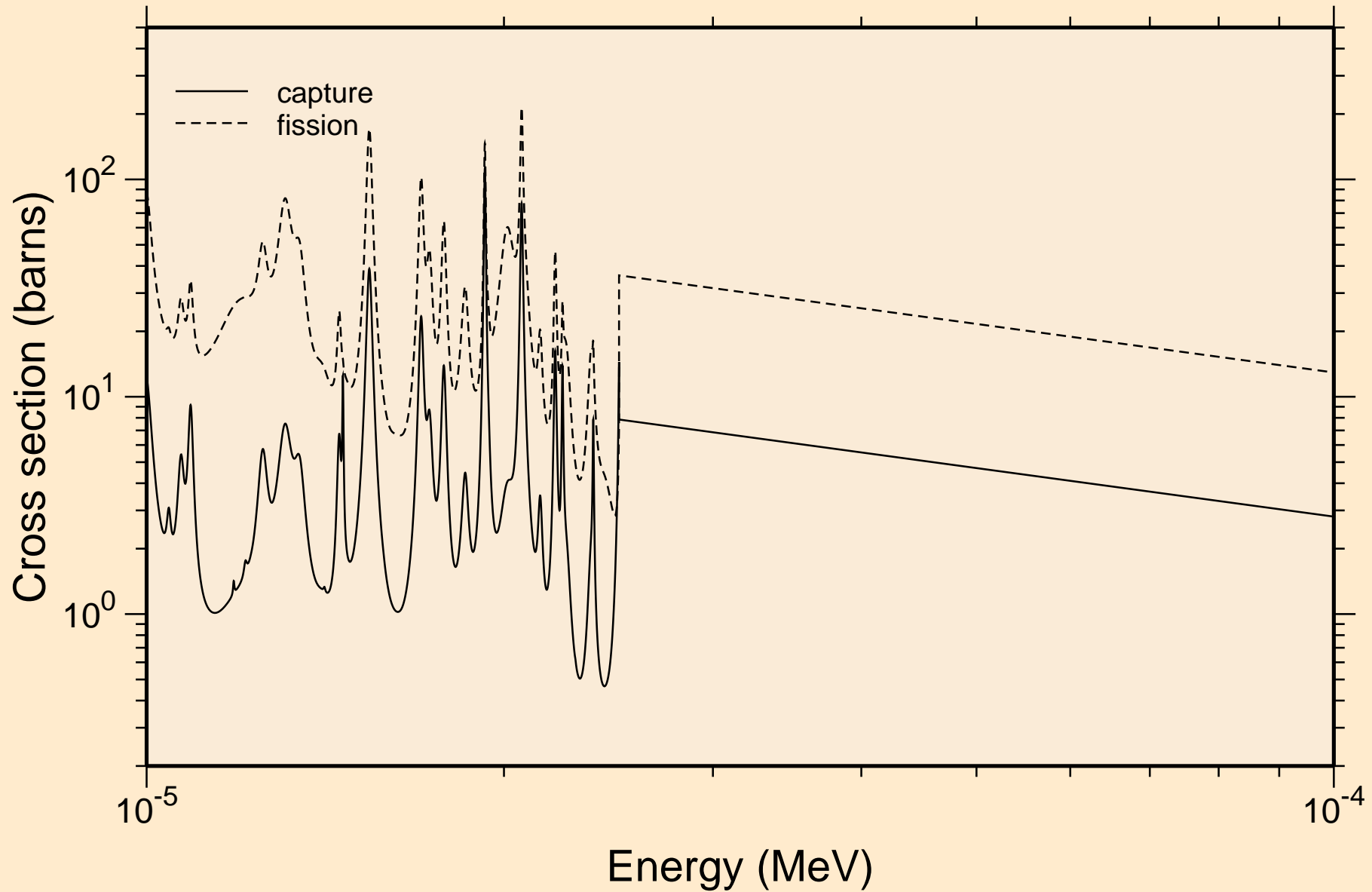
NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



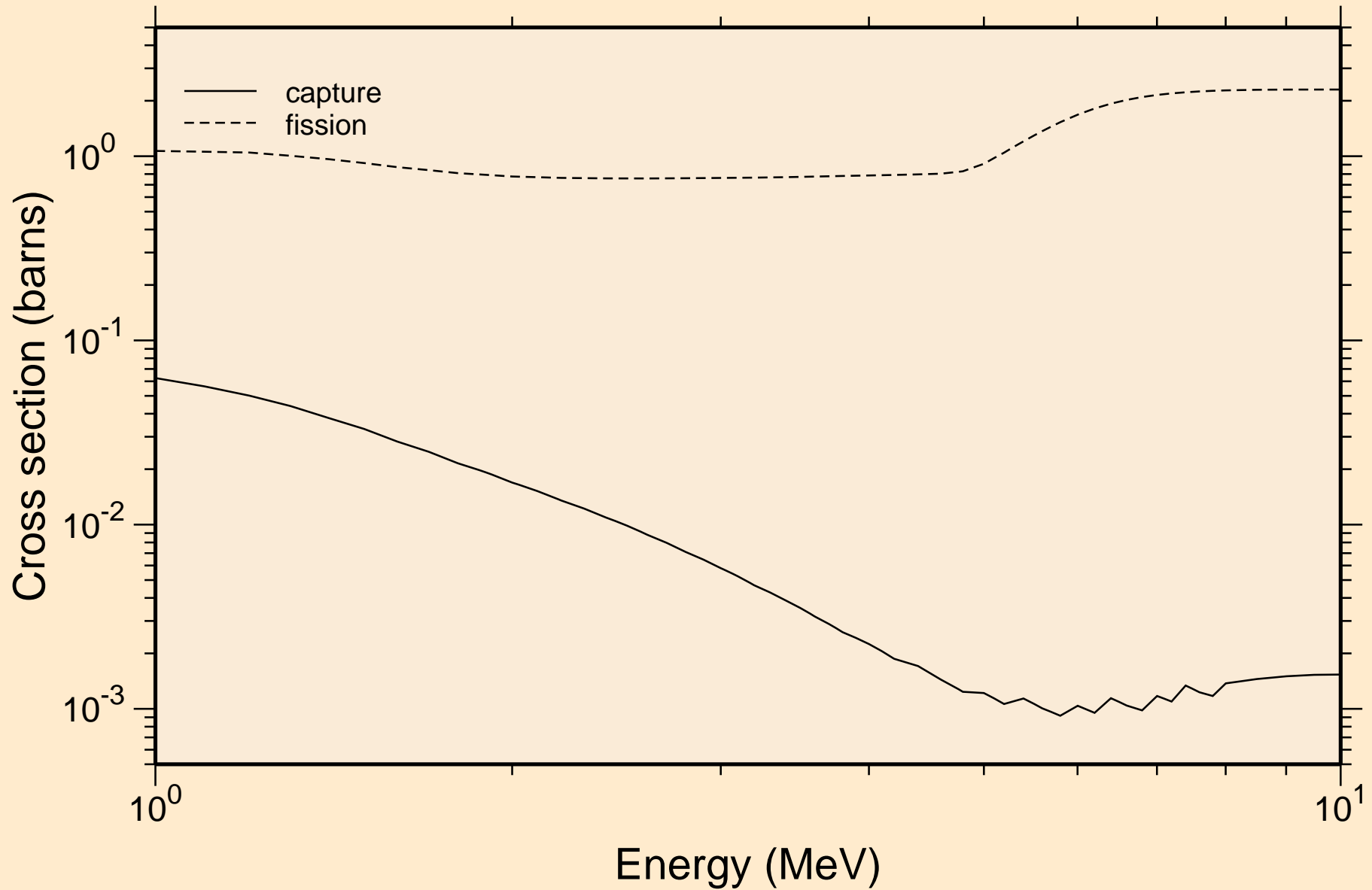
NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections

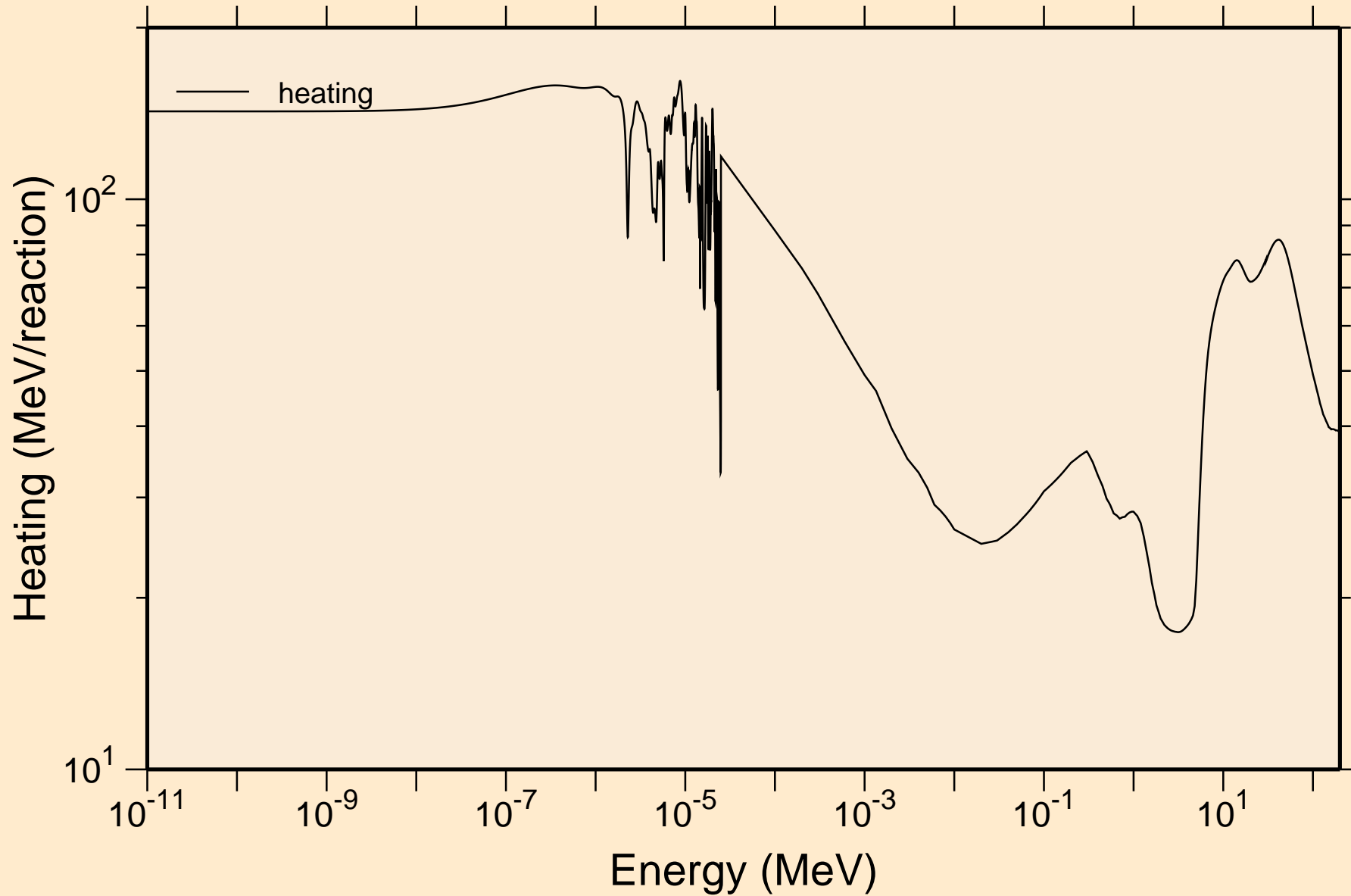


NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



# NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

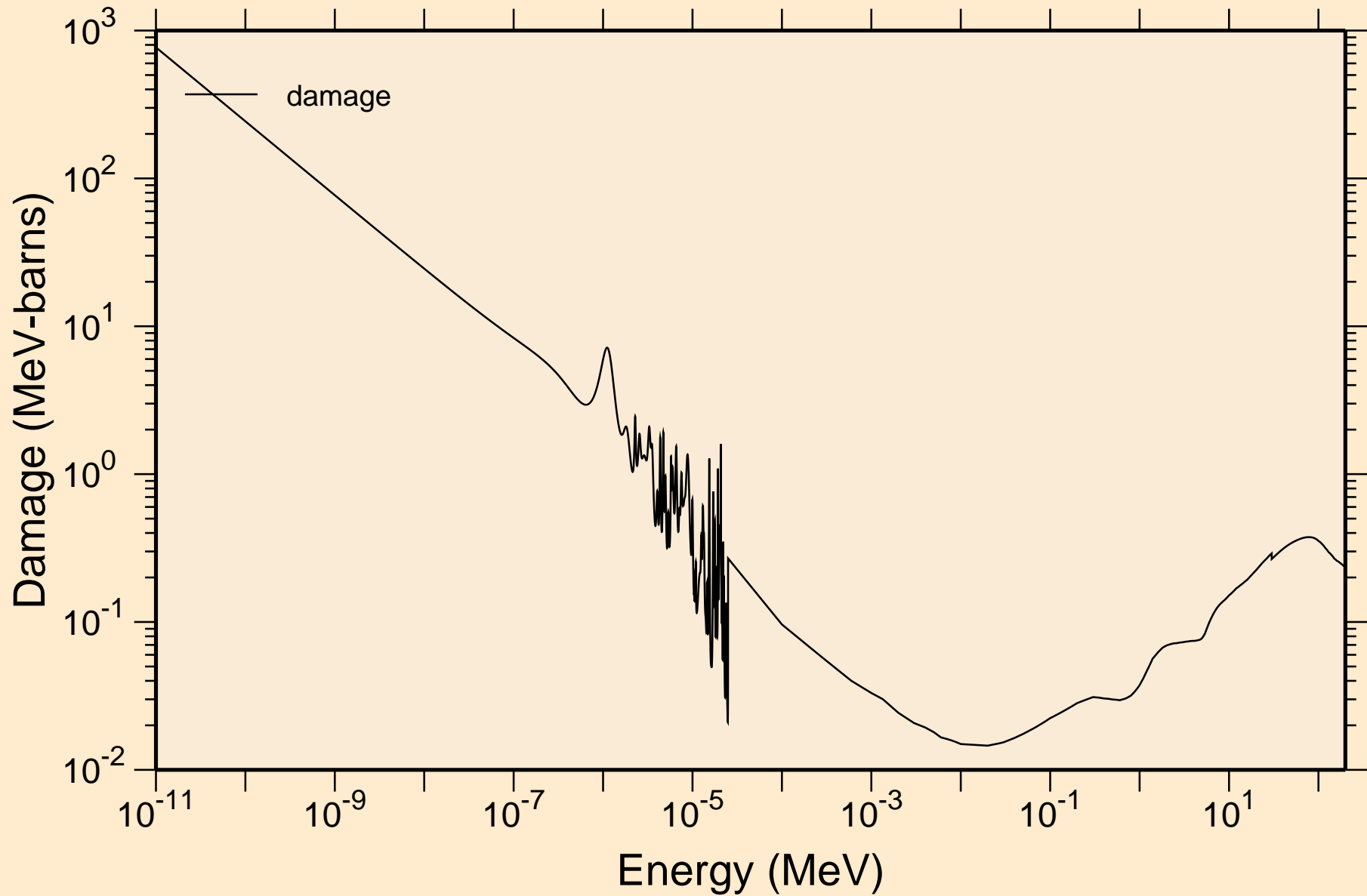
## Heating





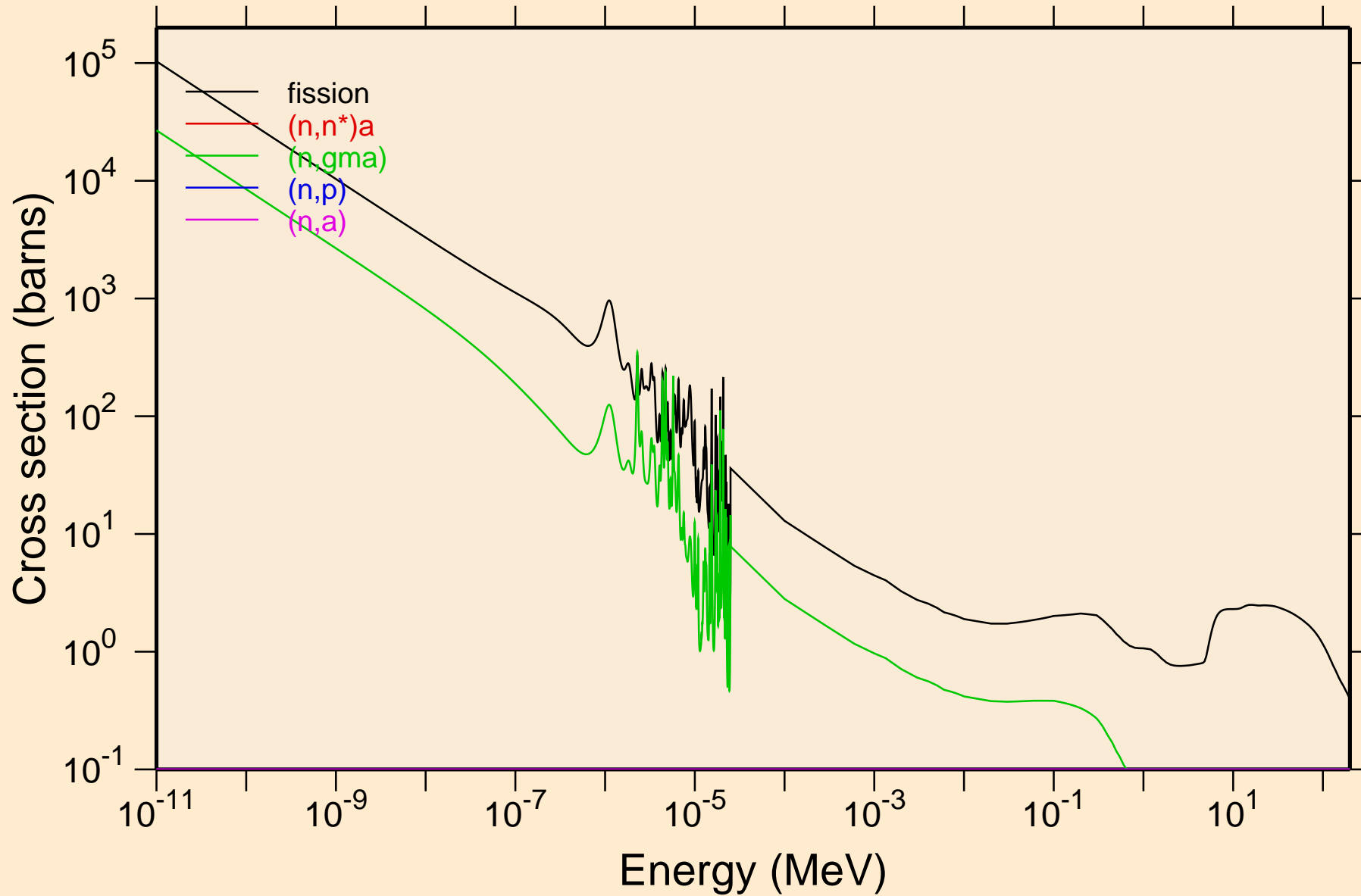
# NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Damage

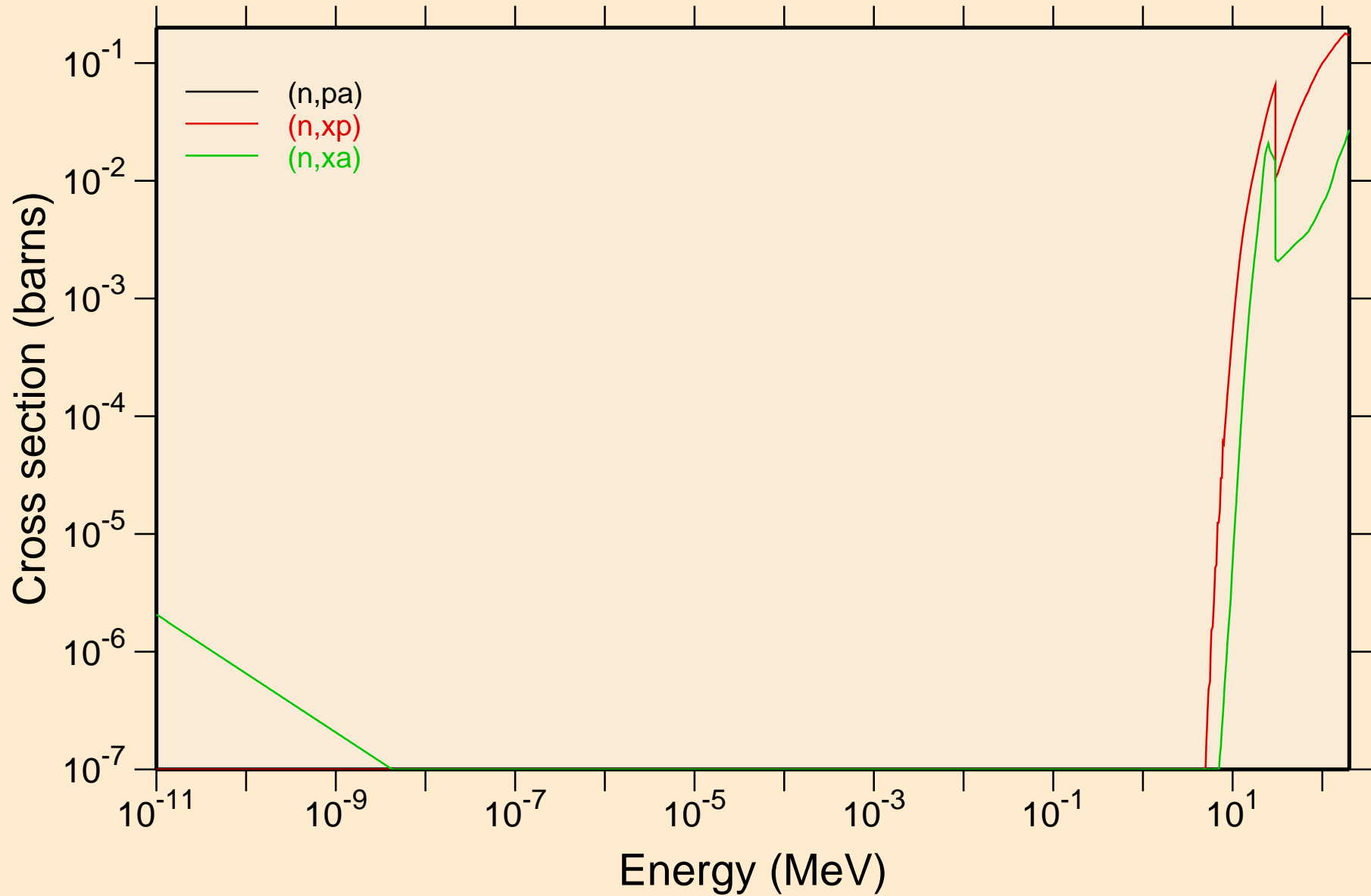


# NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Non-threshold reactions

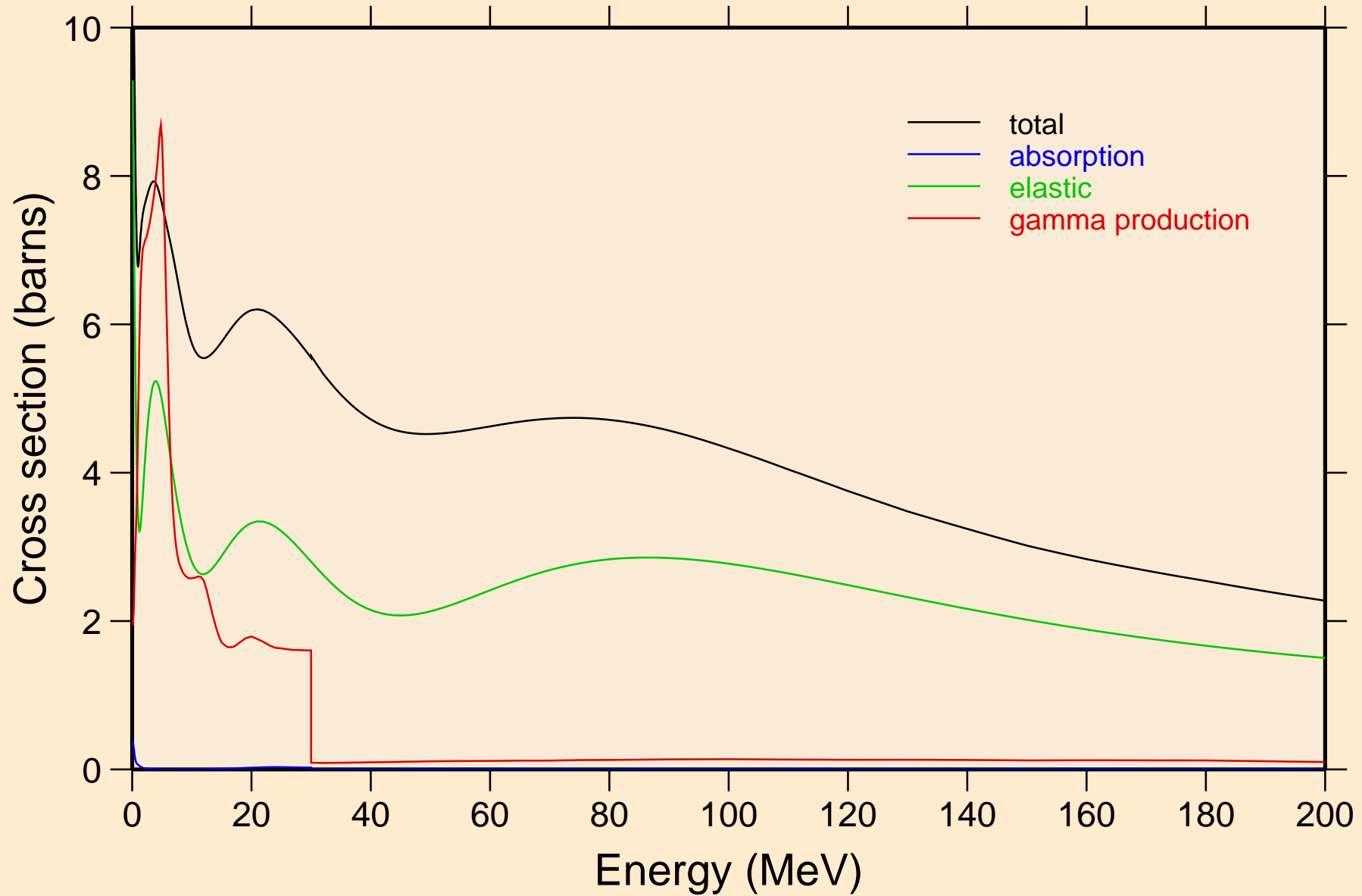


NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



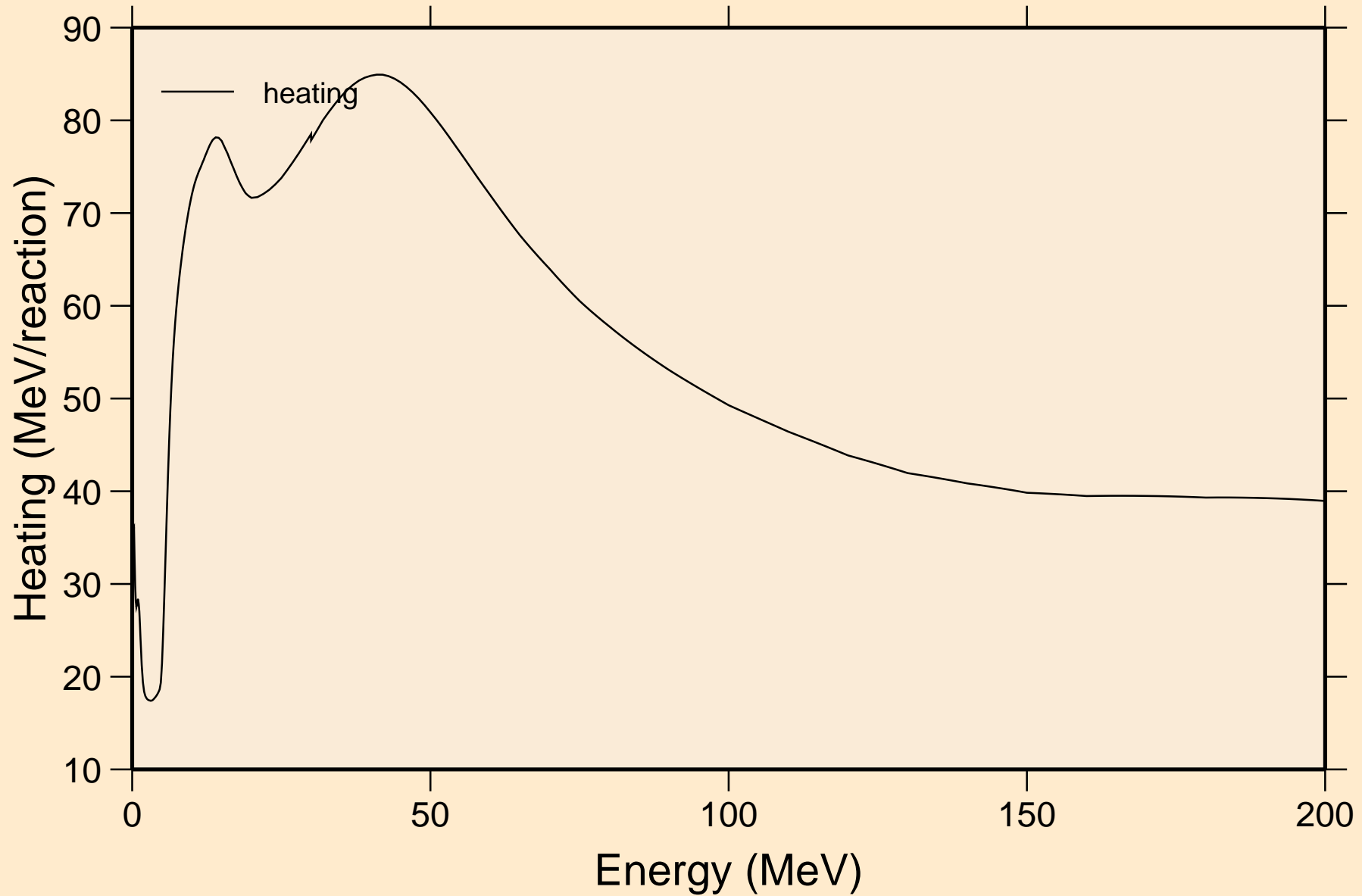
# NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections



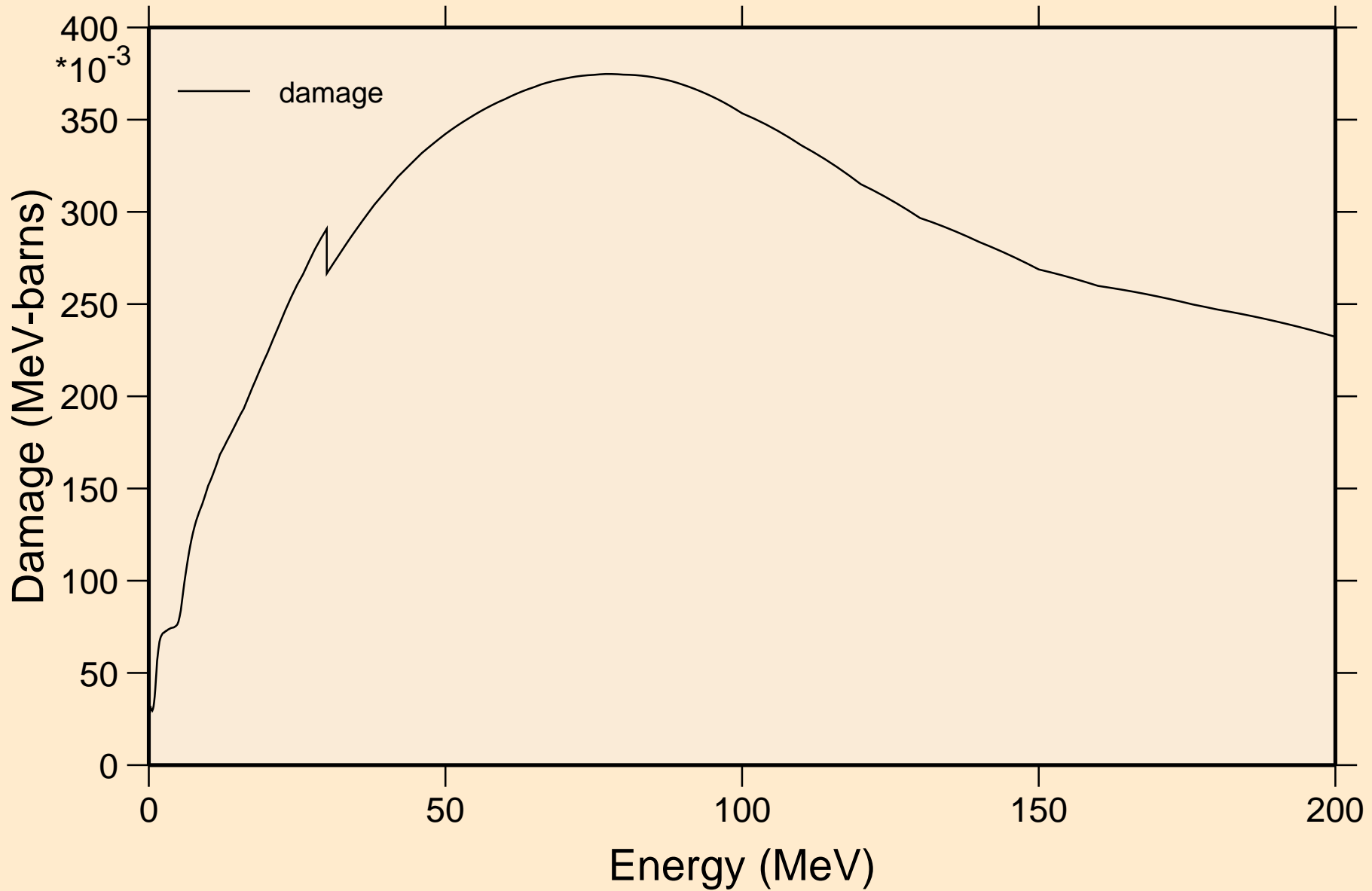
# NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Heating



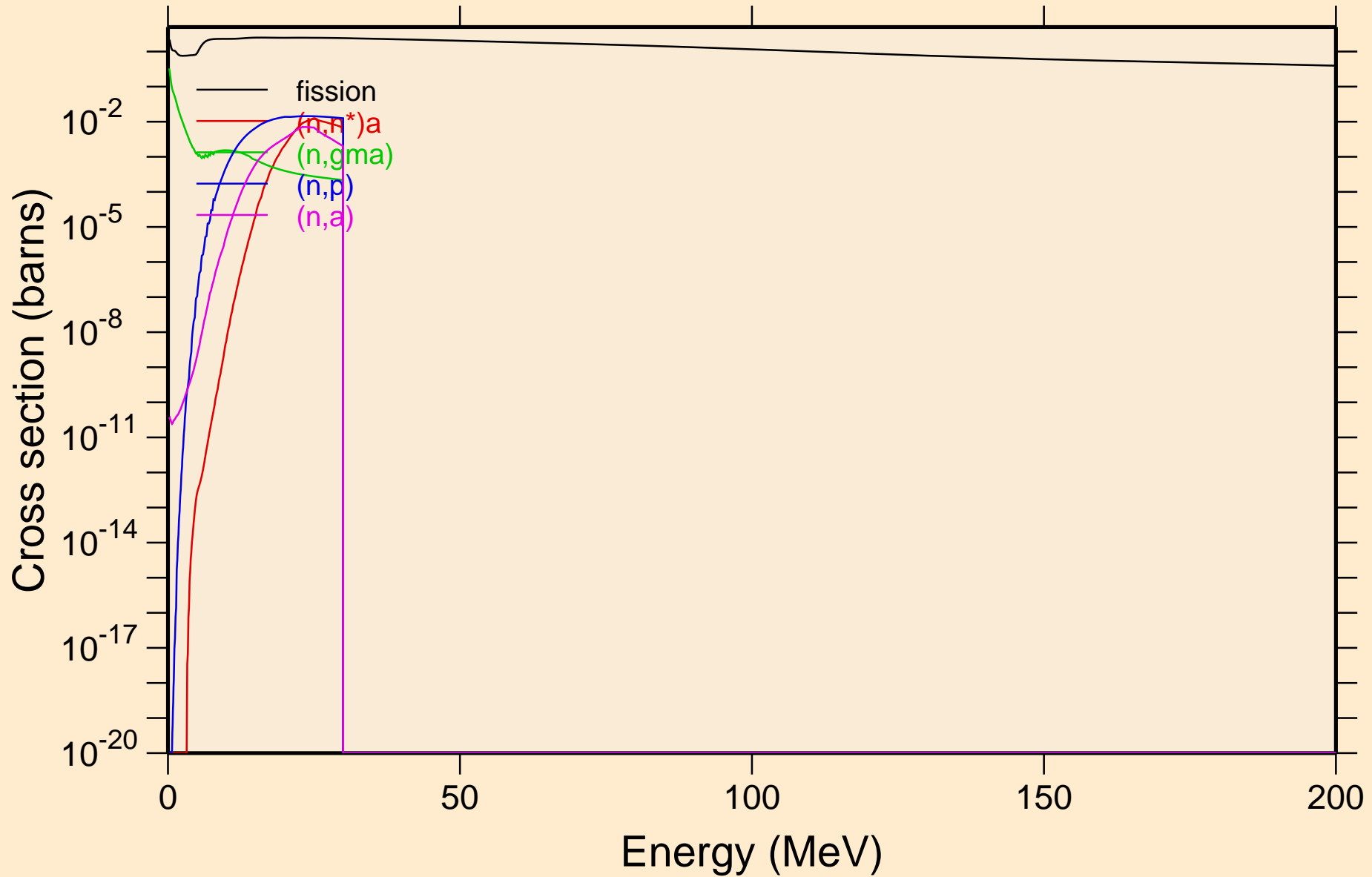
# NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Damage

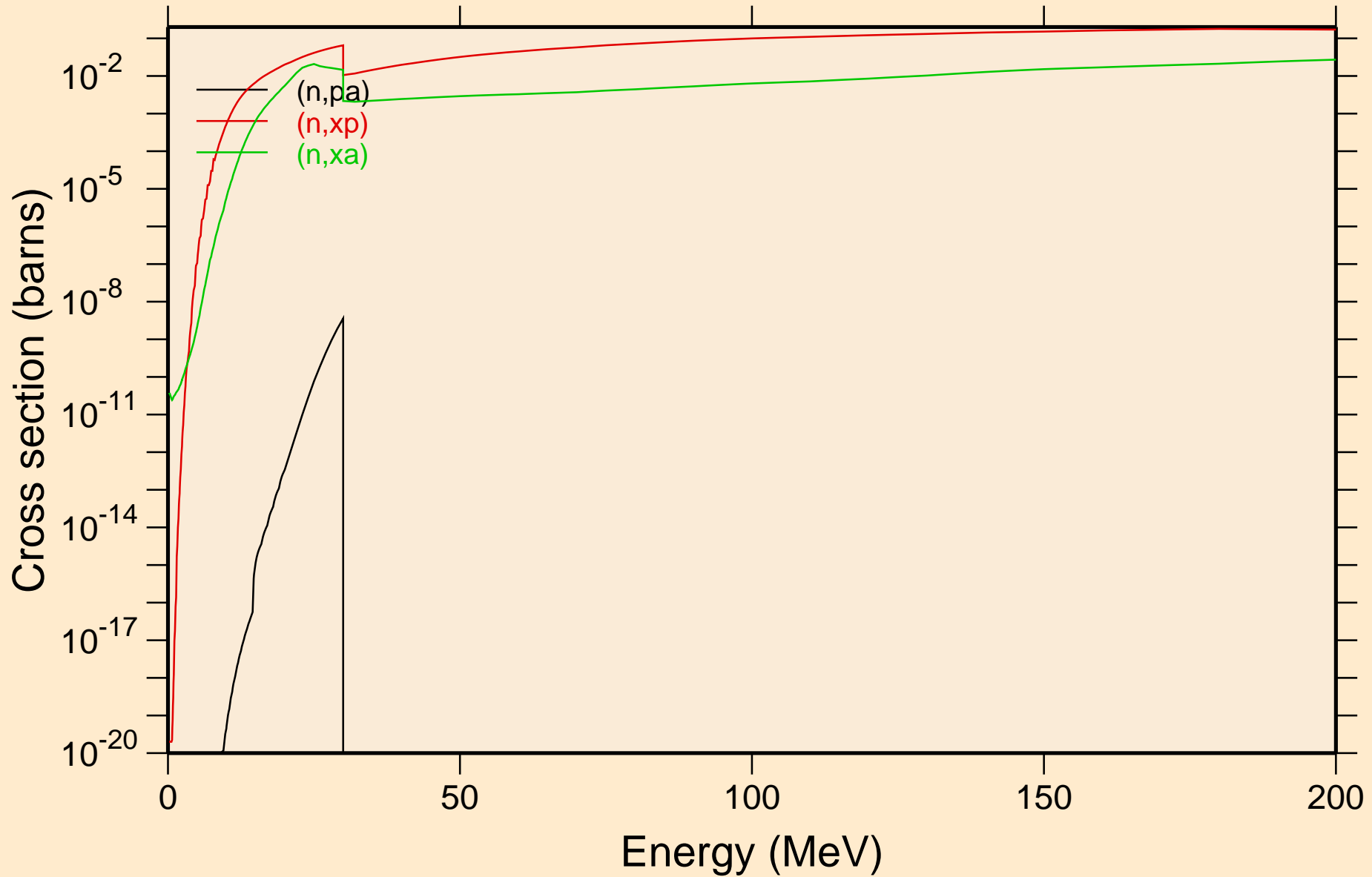


# NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Non-threshold reactions

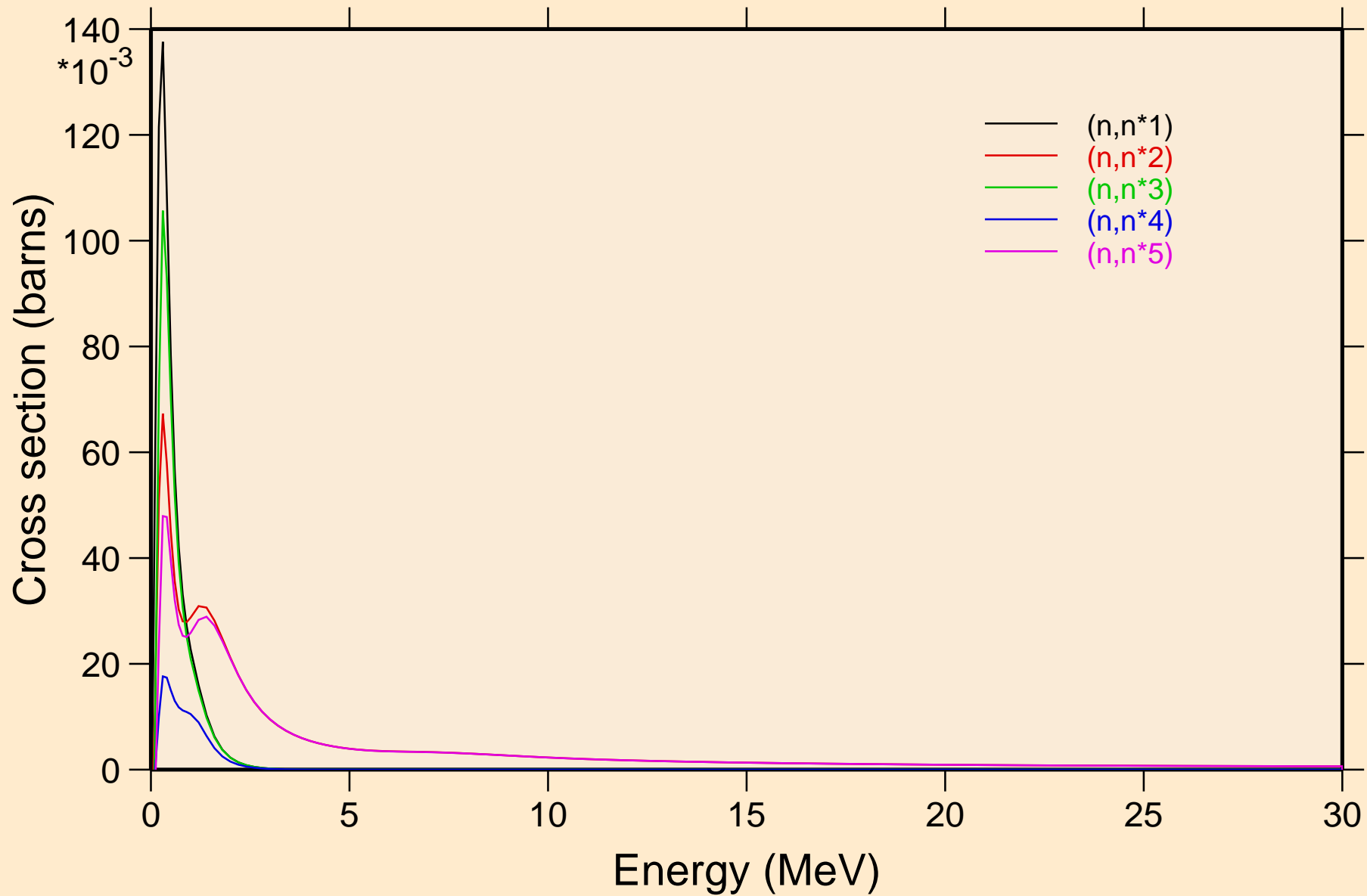


NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions

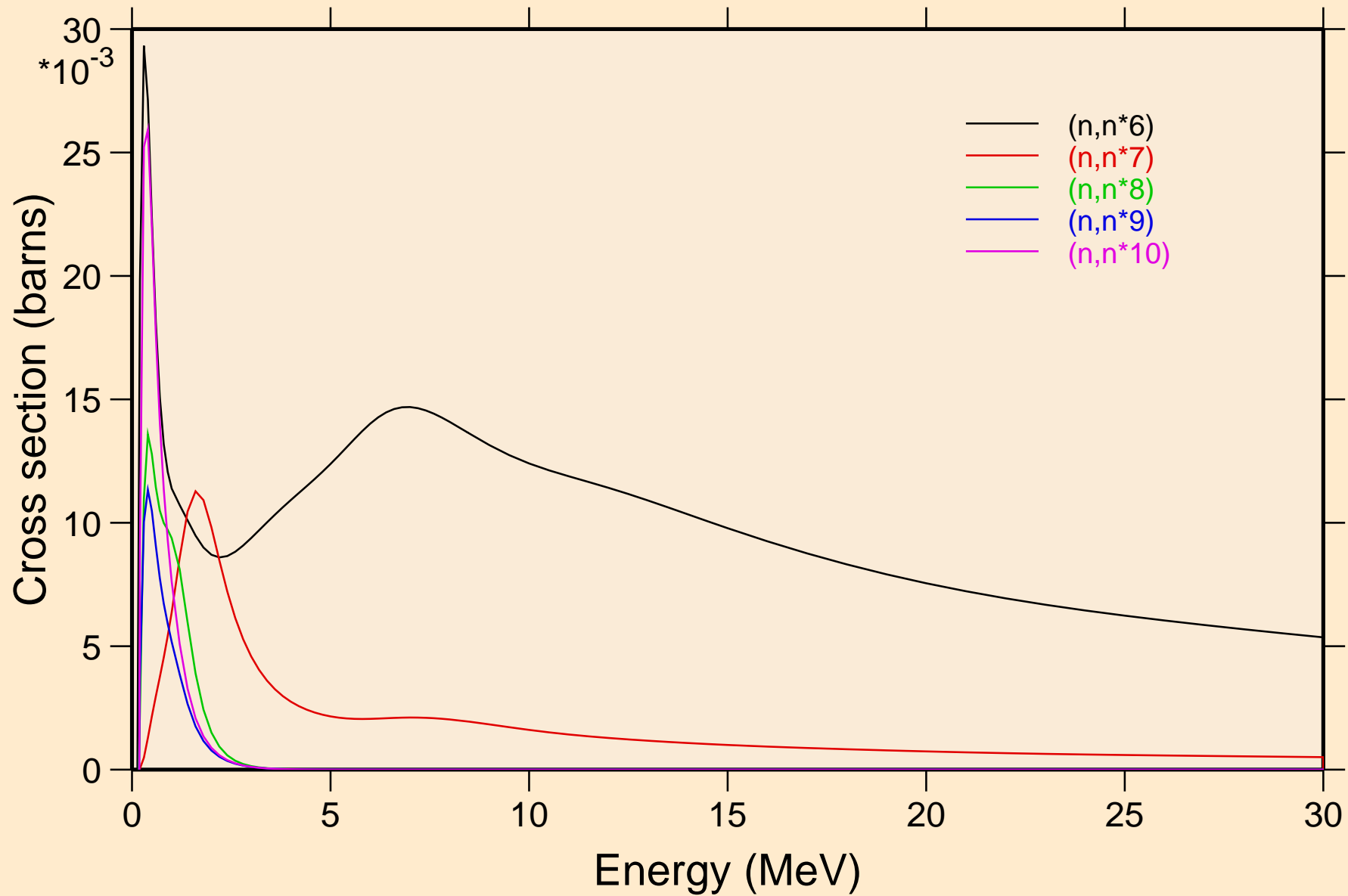




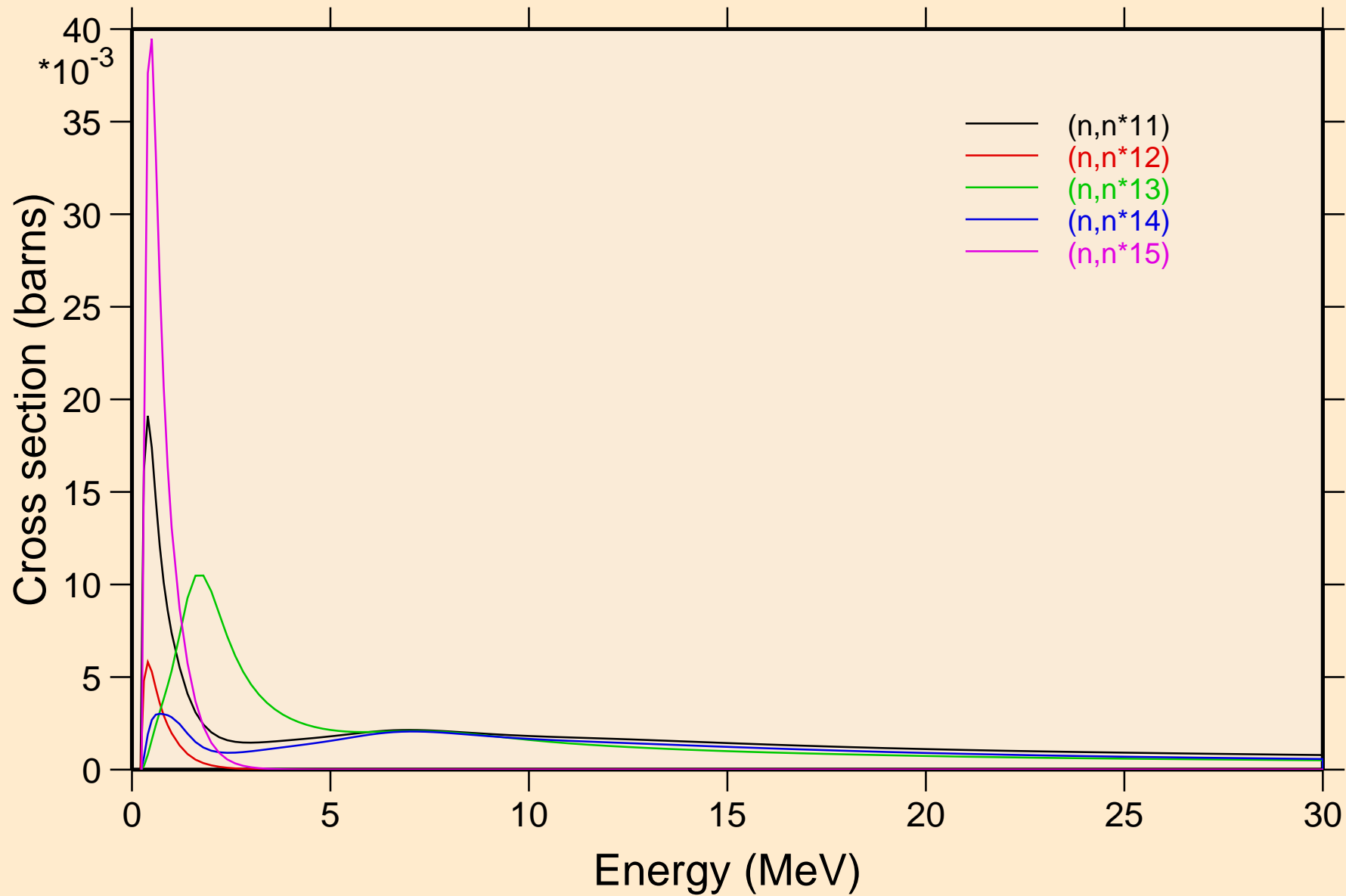
NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



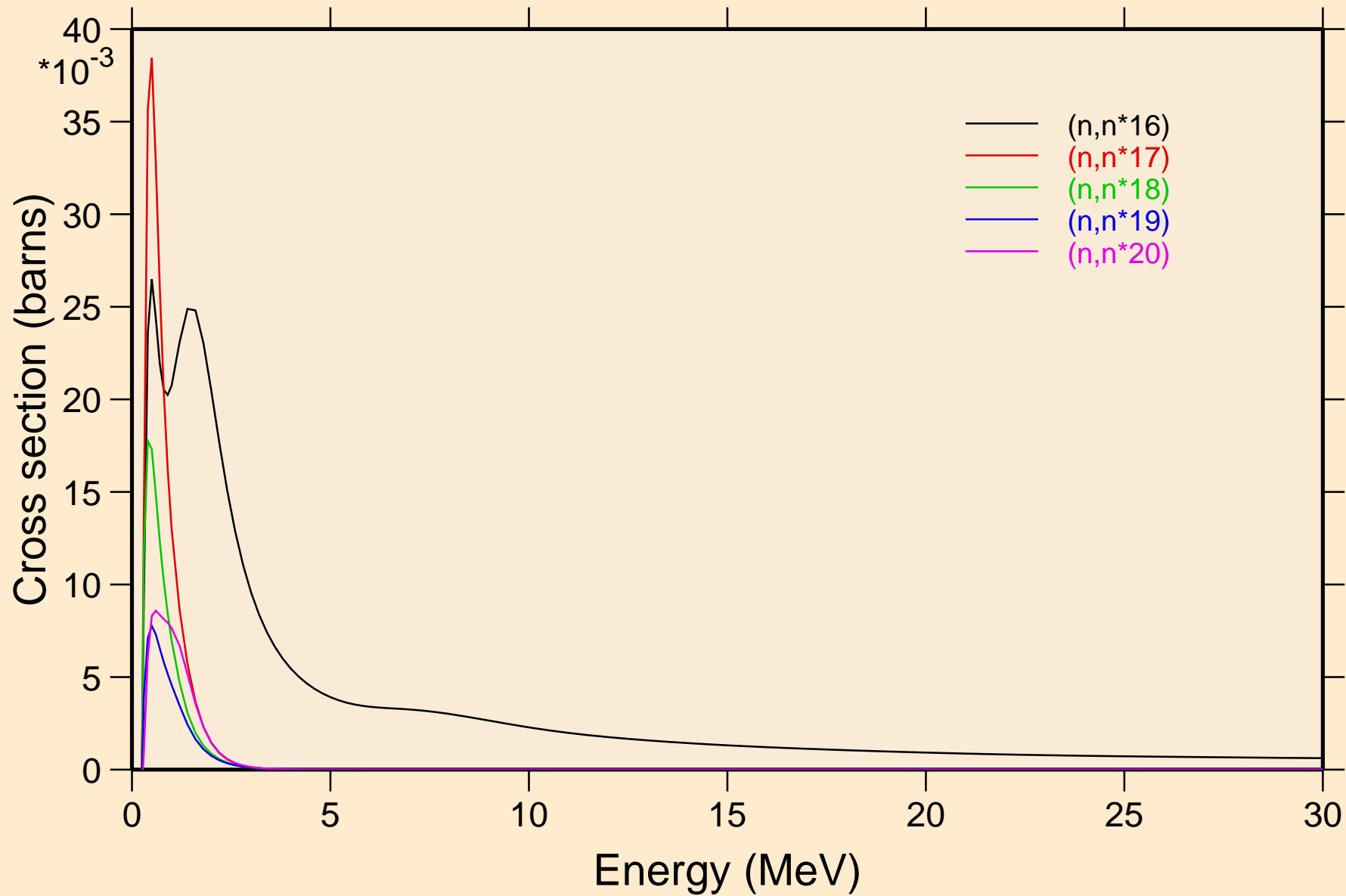
NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



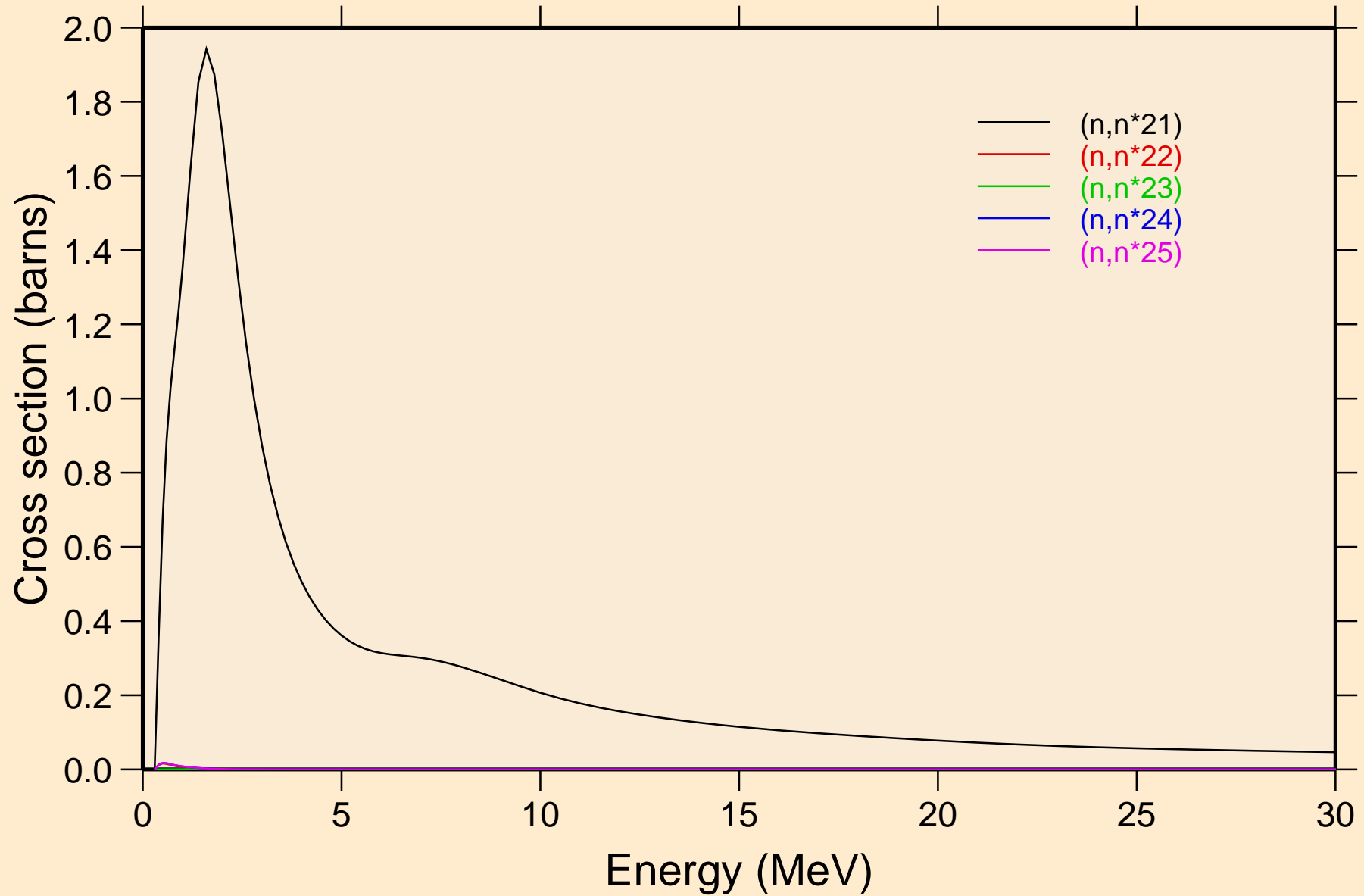
NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels

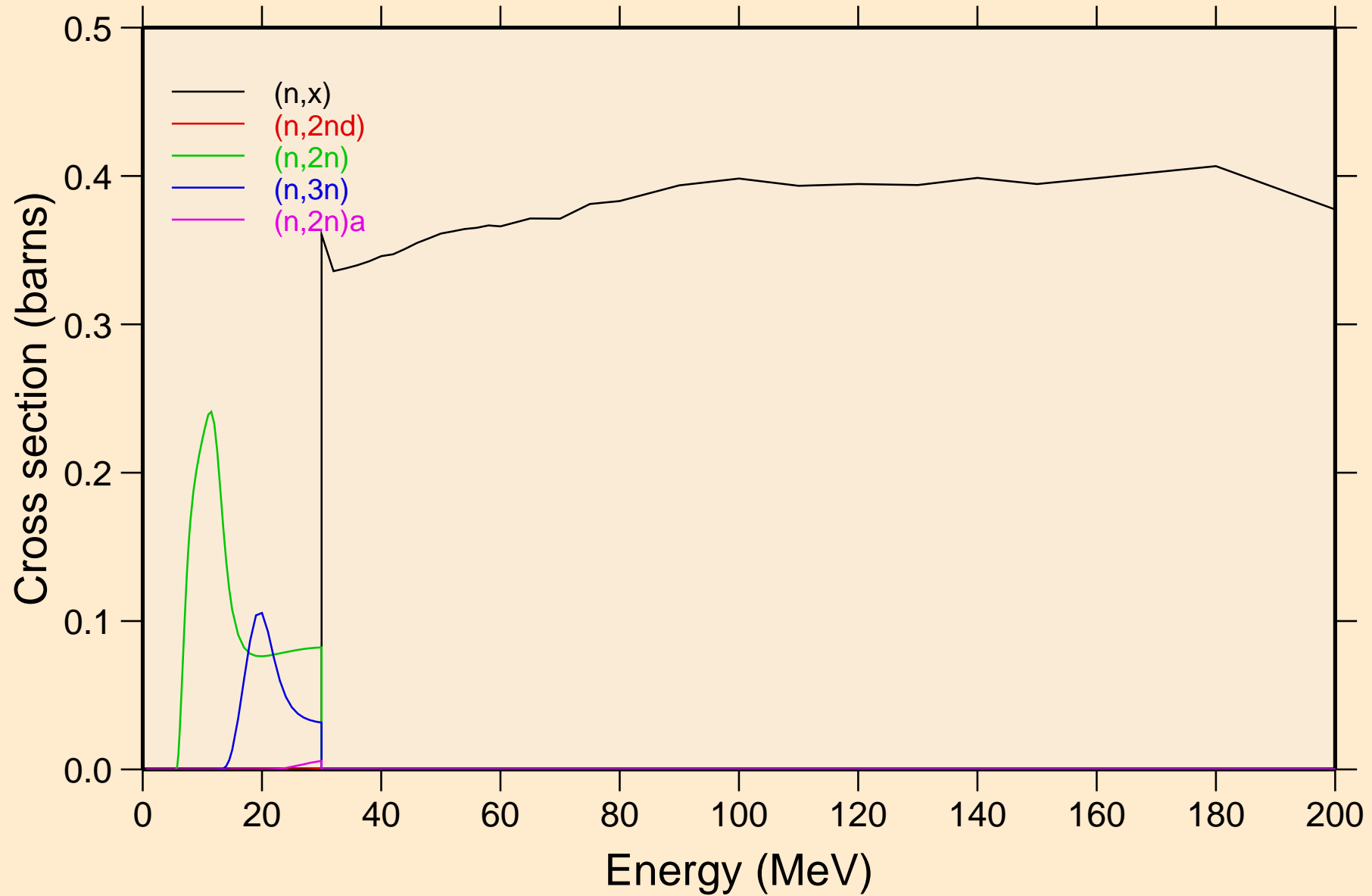


NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



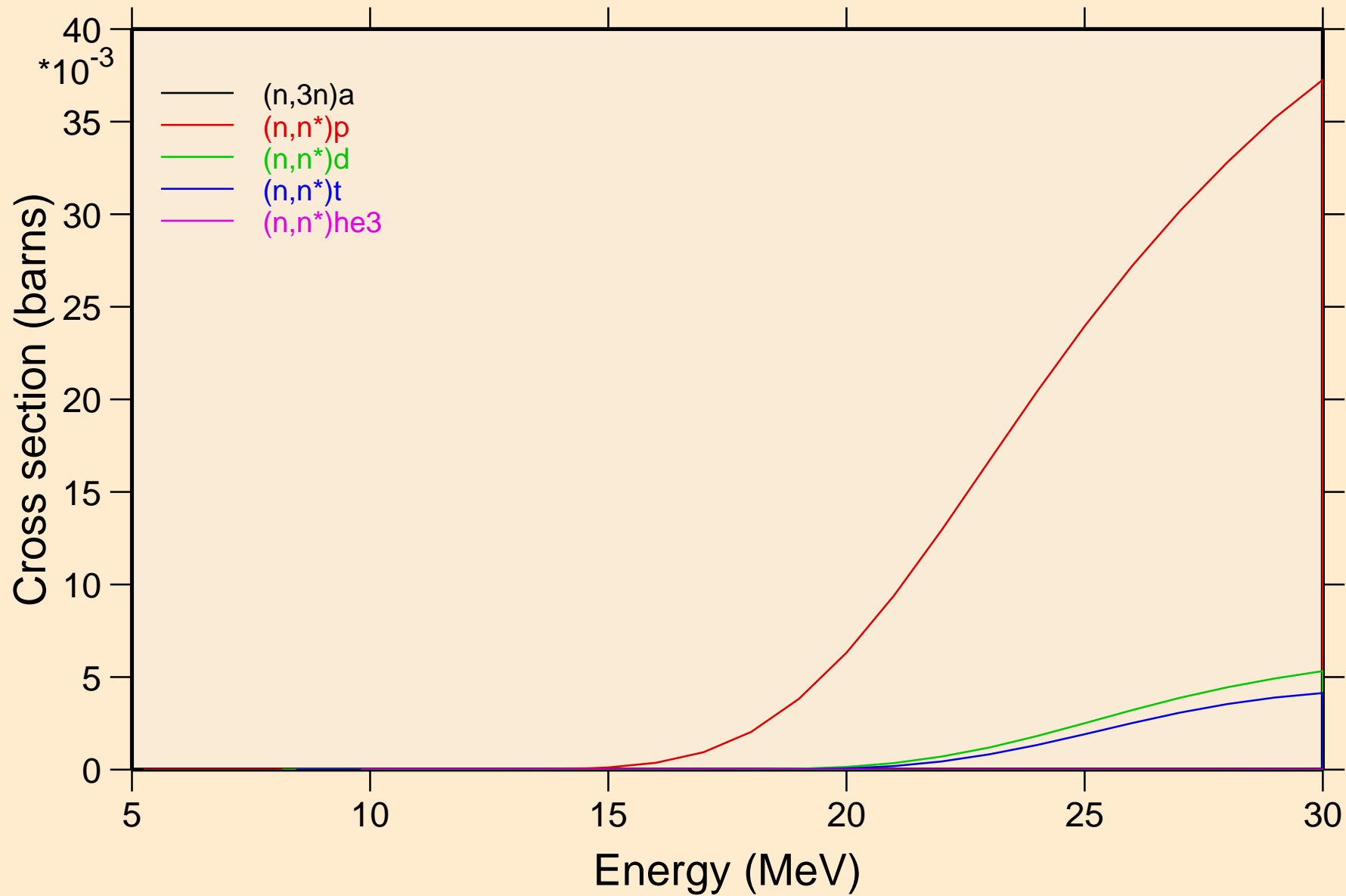
# NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions

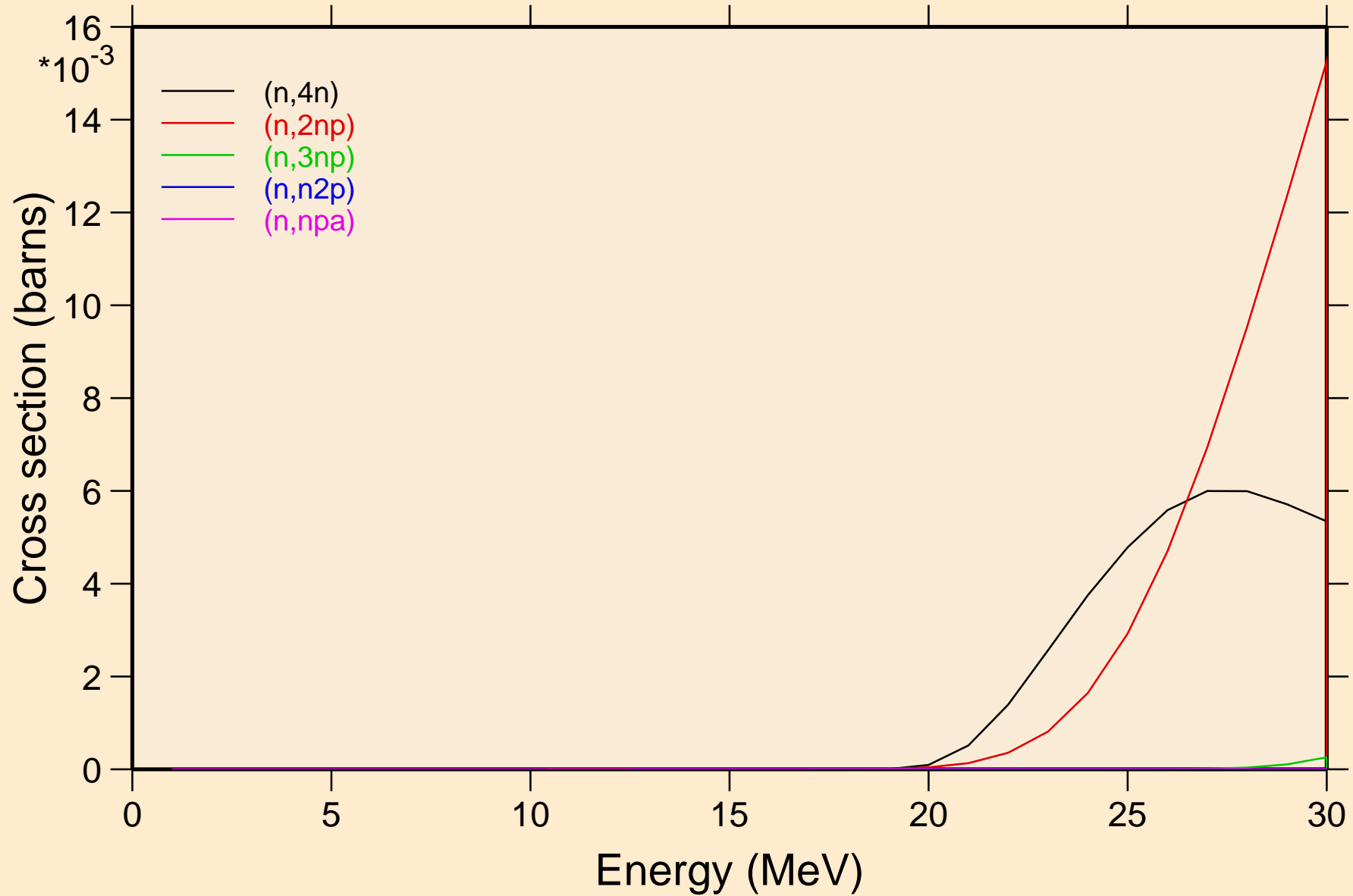


# NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions

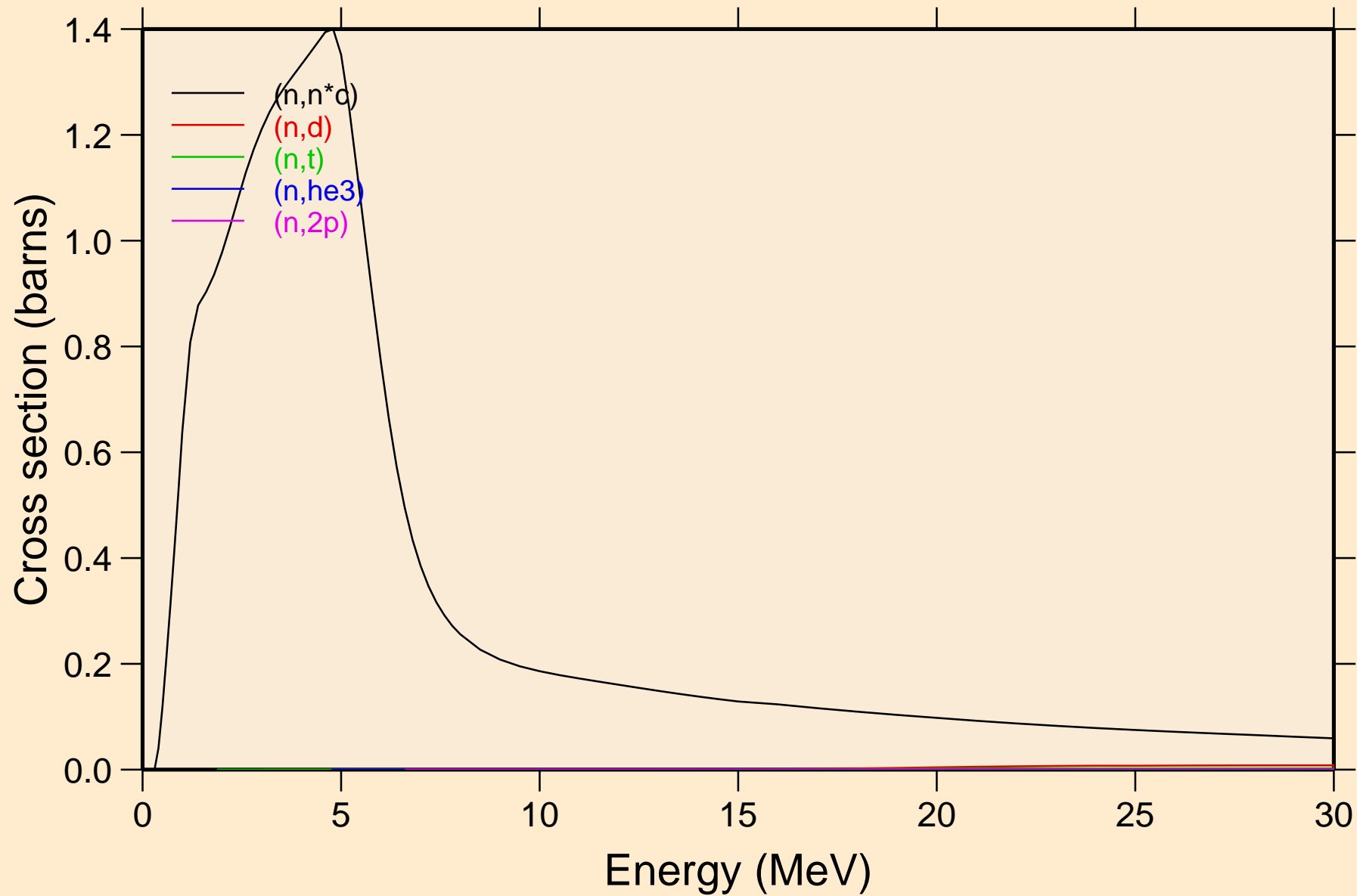


NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions

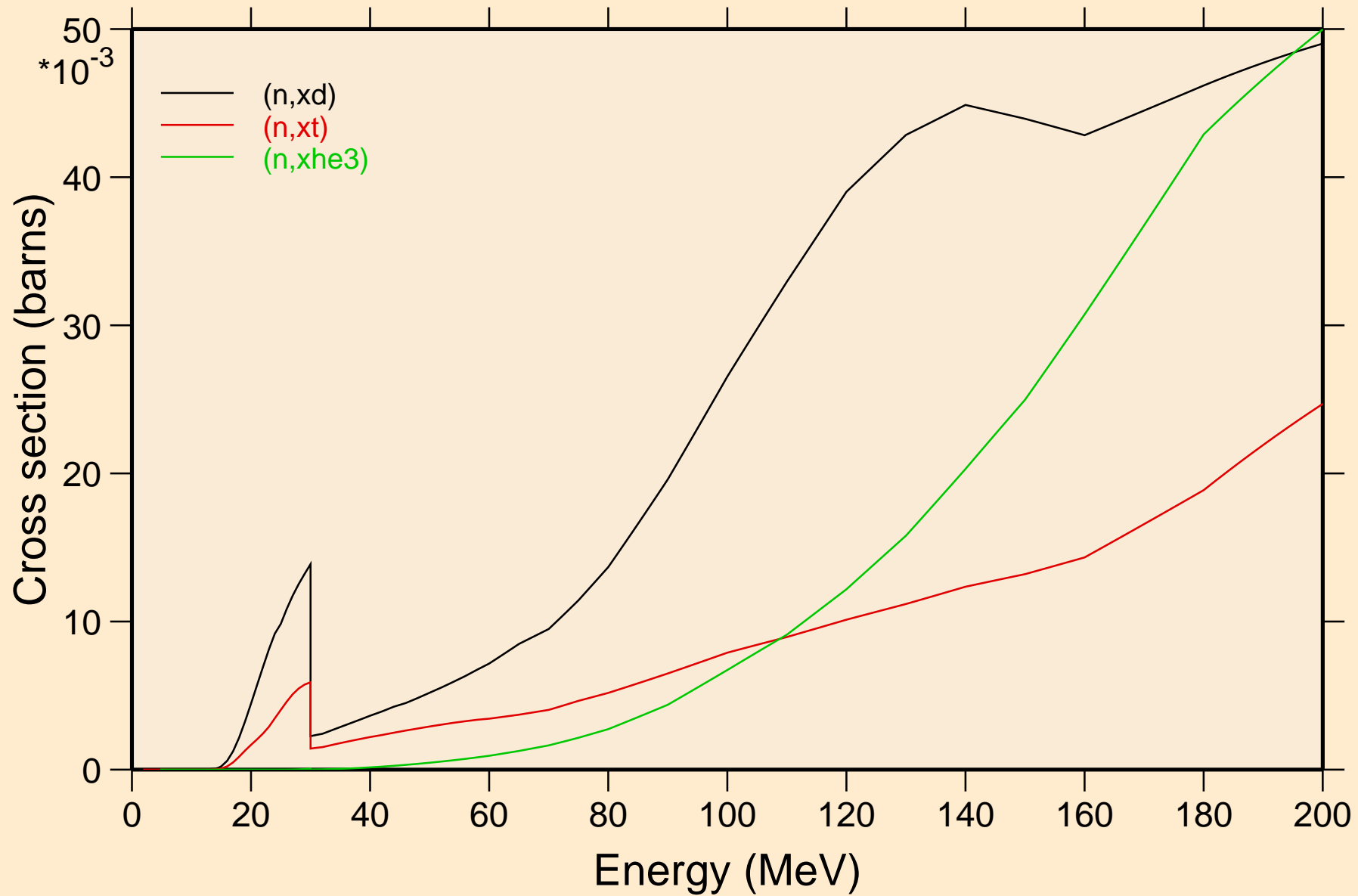




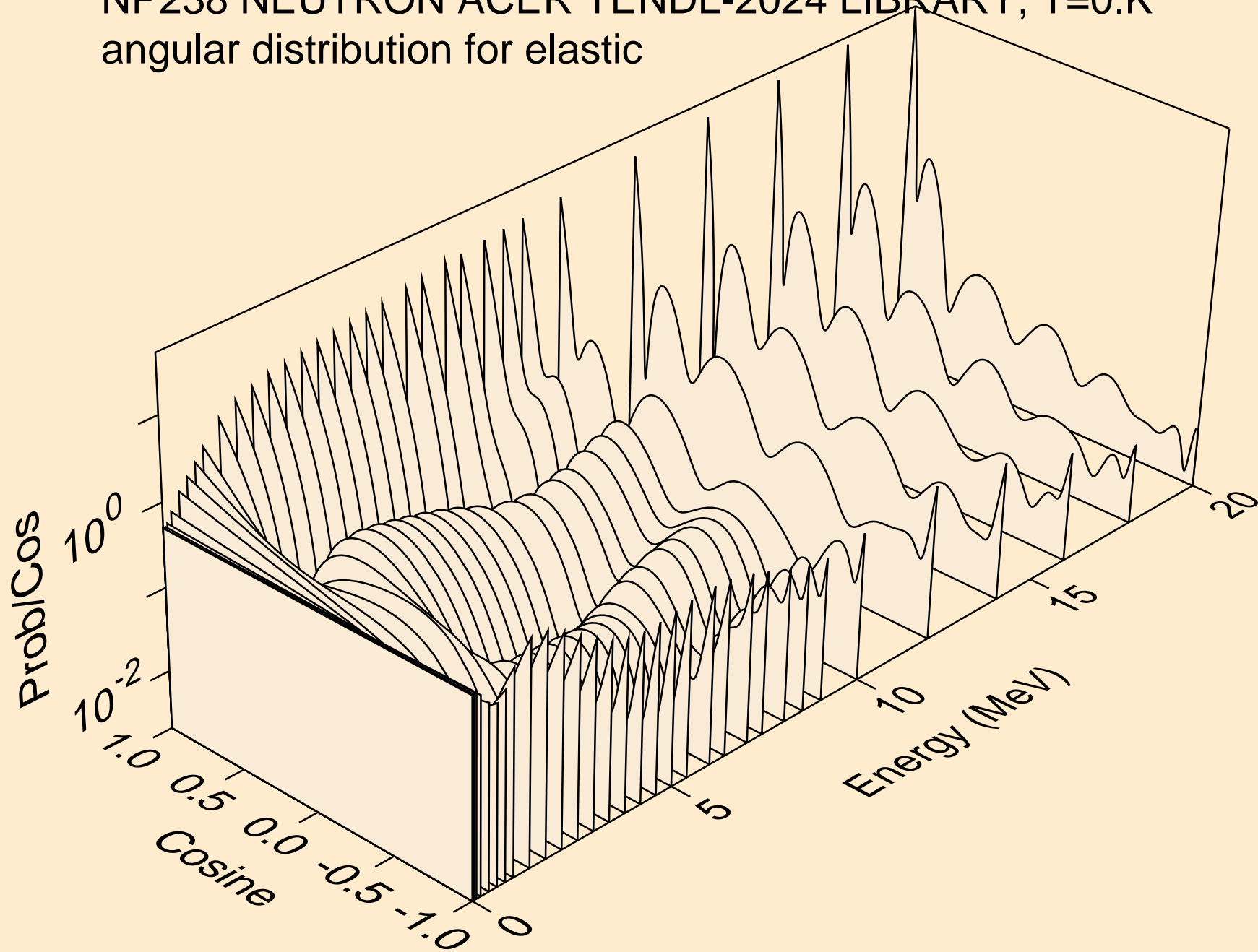
NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



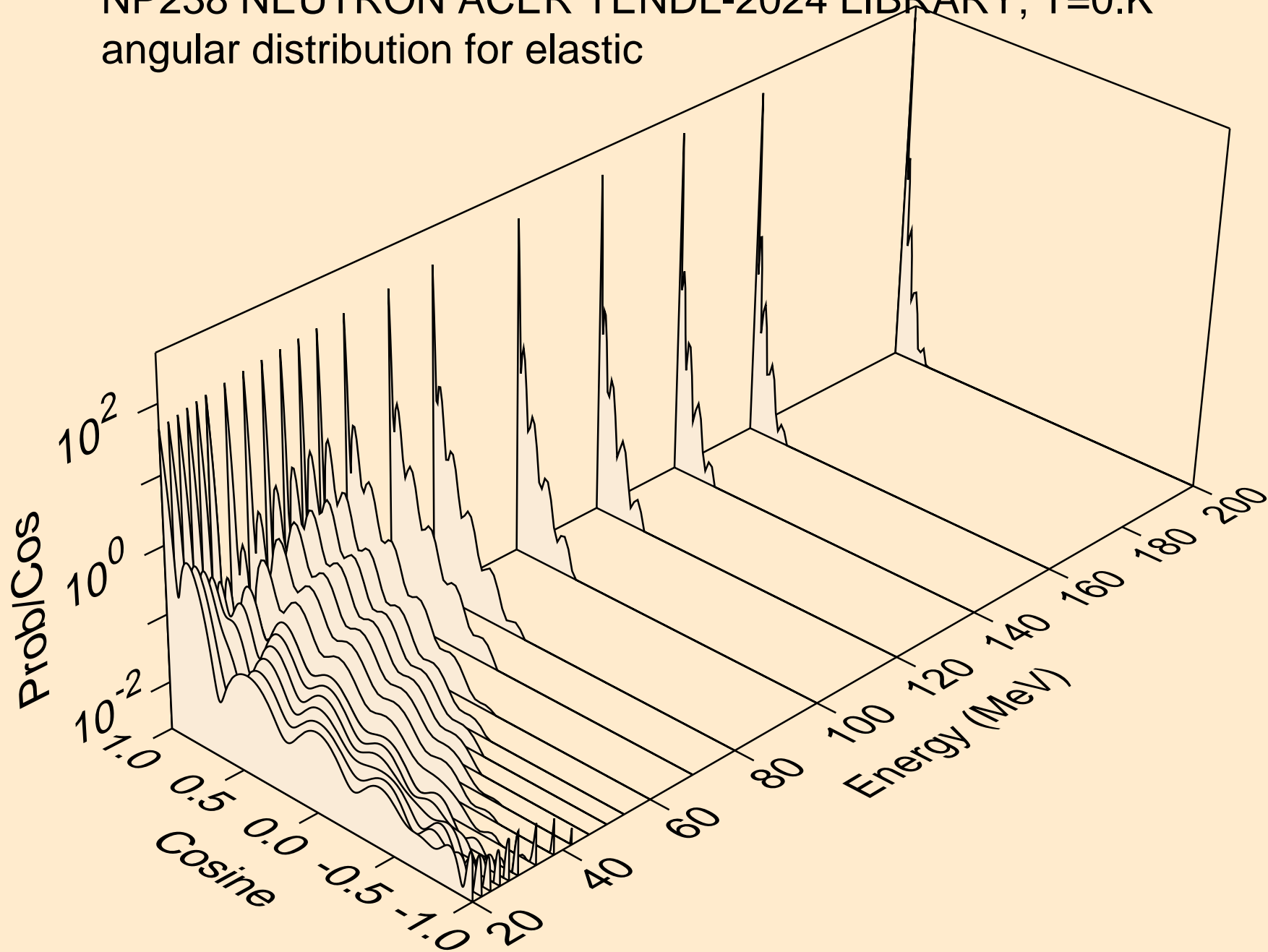
NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



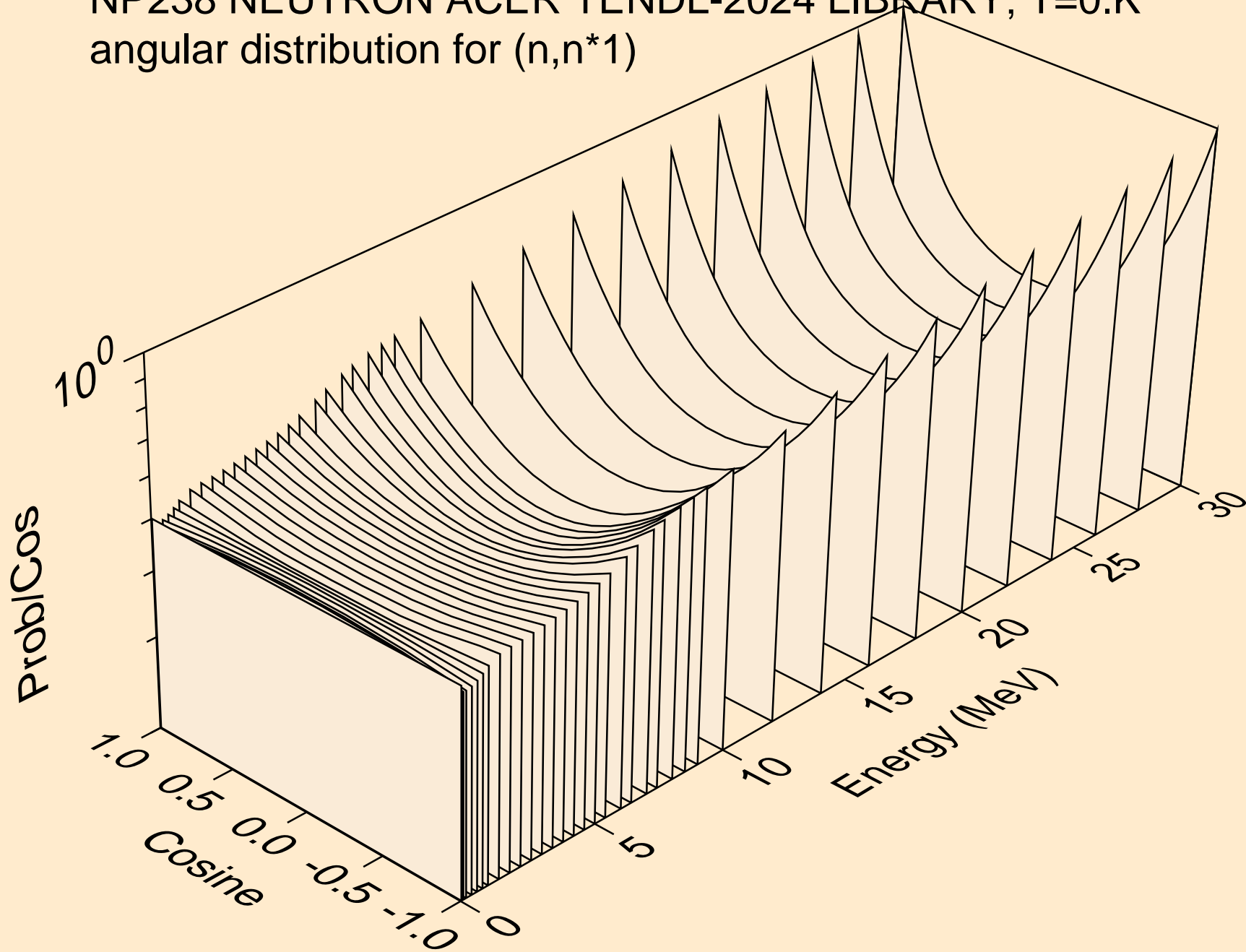
NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



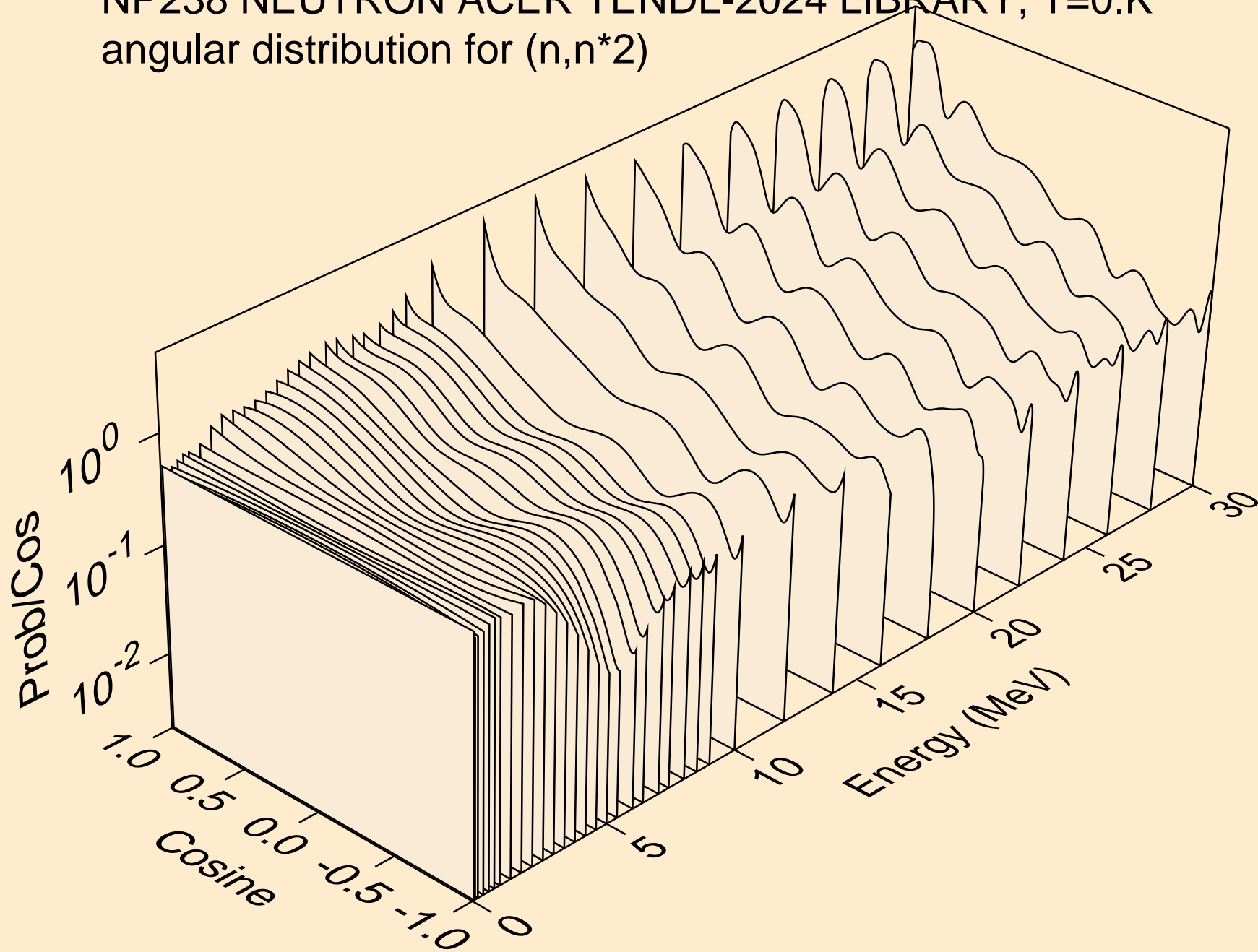
NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



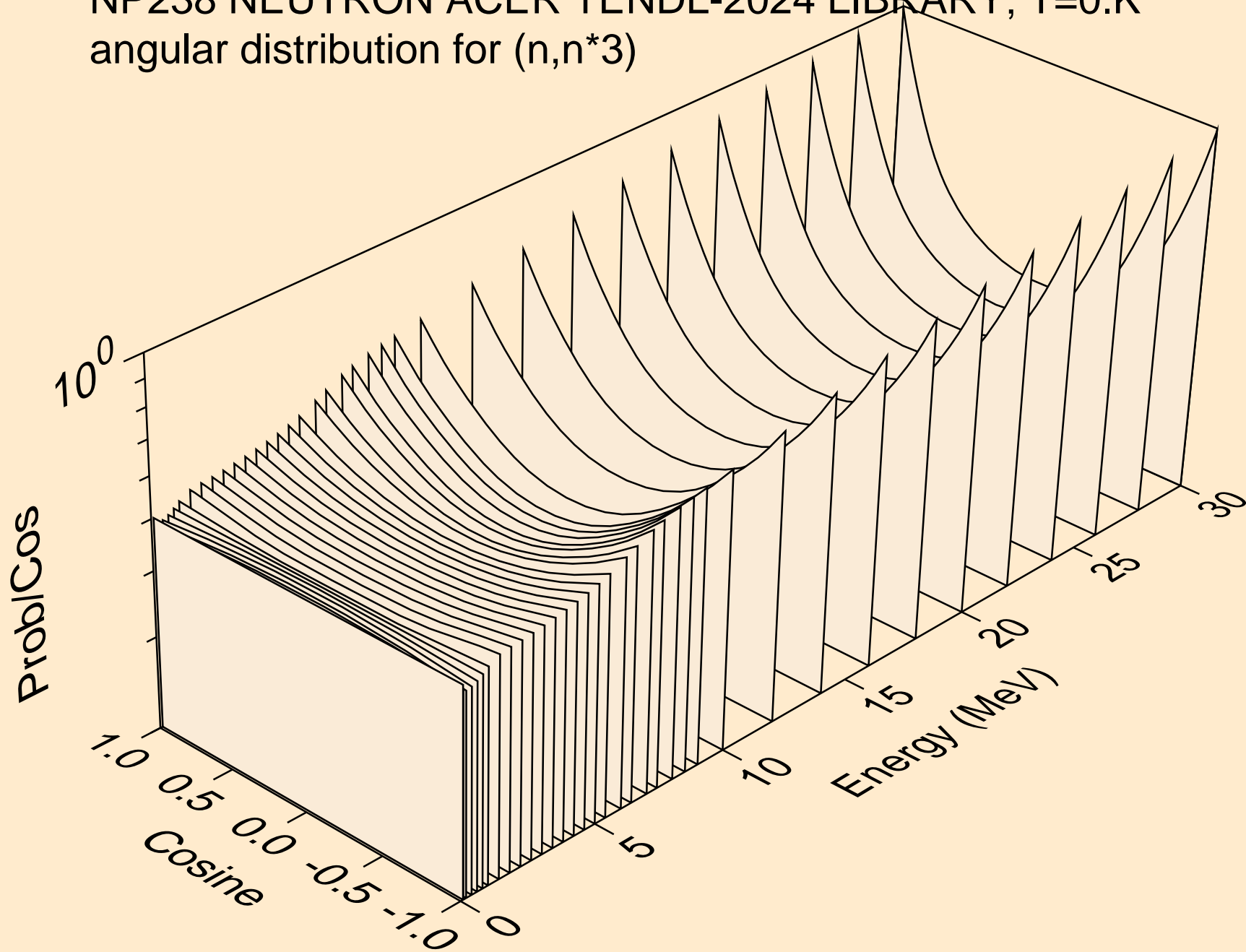
NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



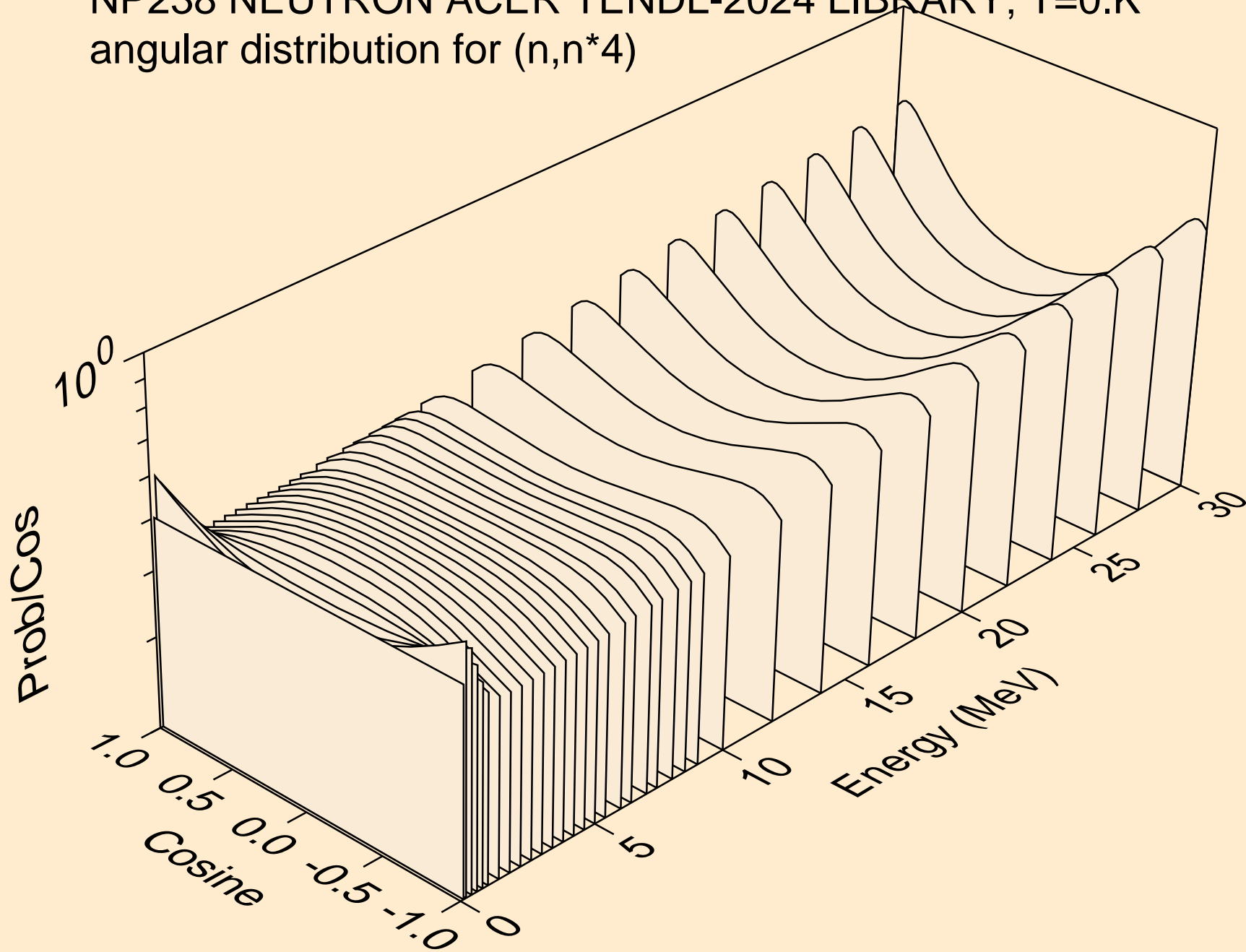
NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*2)



NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*3)

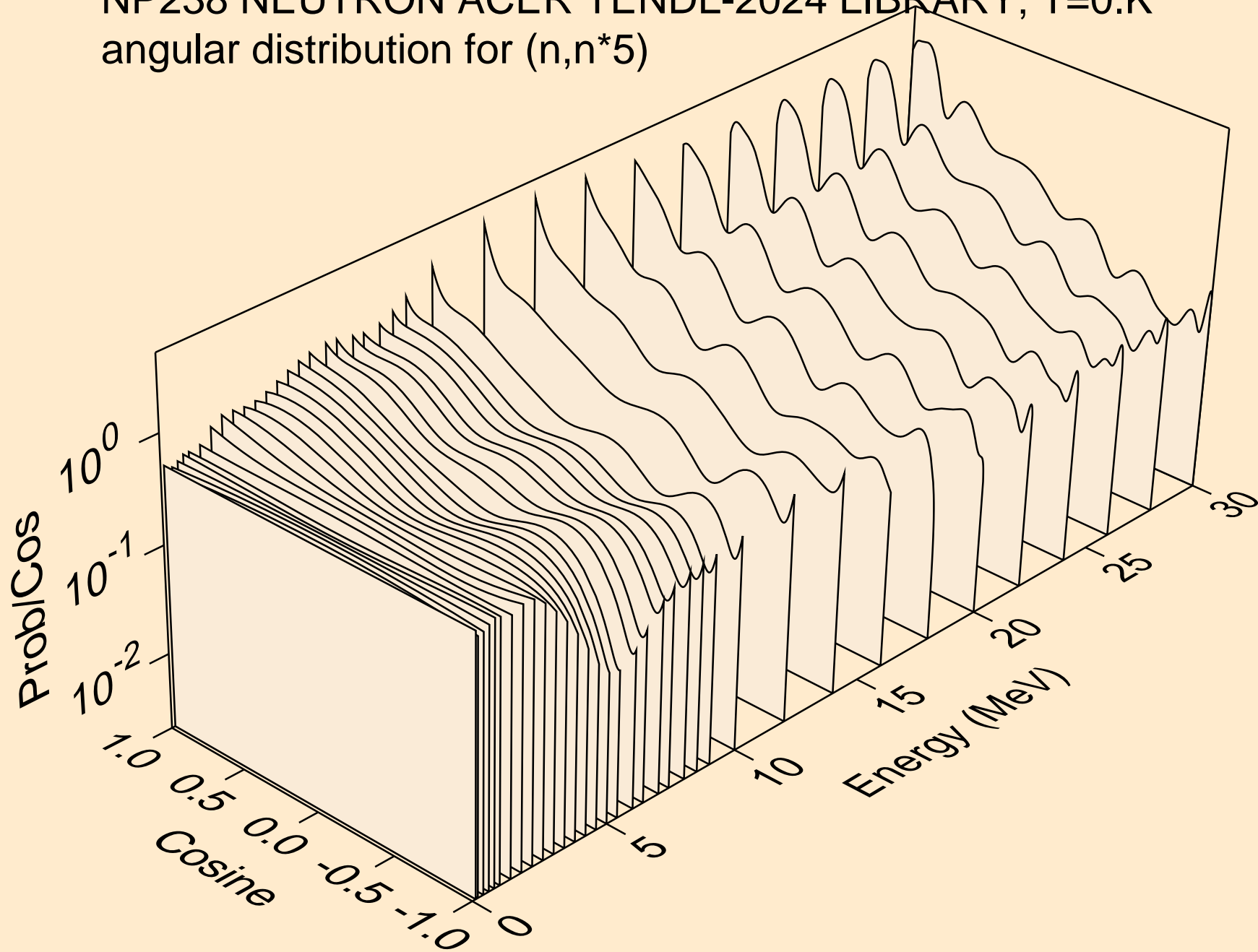


NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*4)

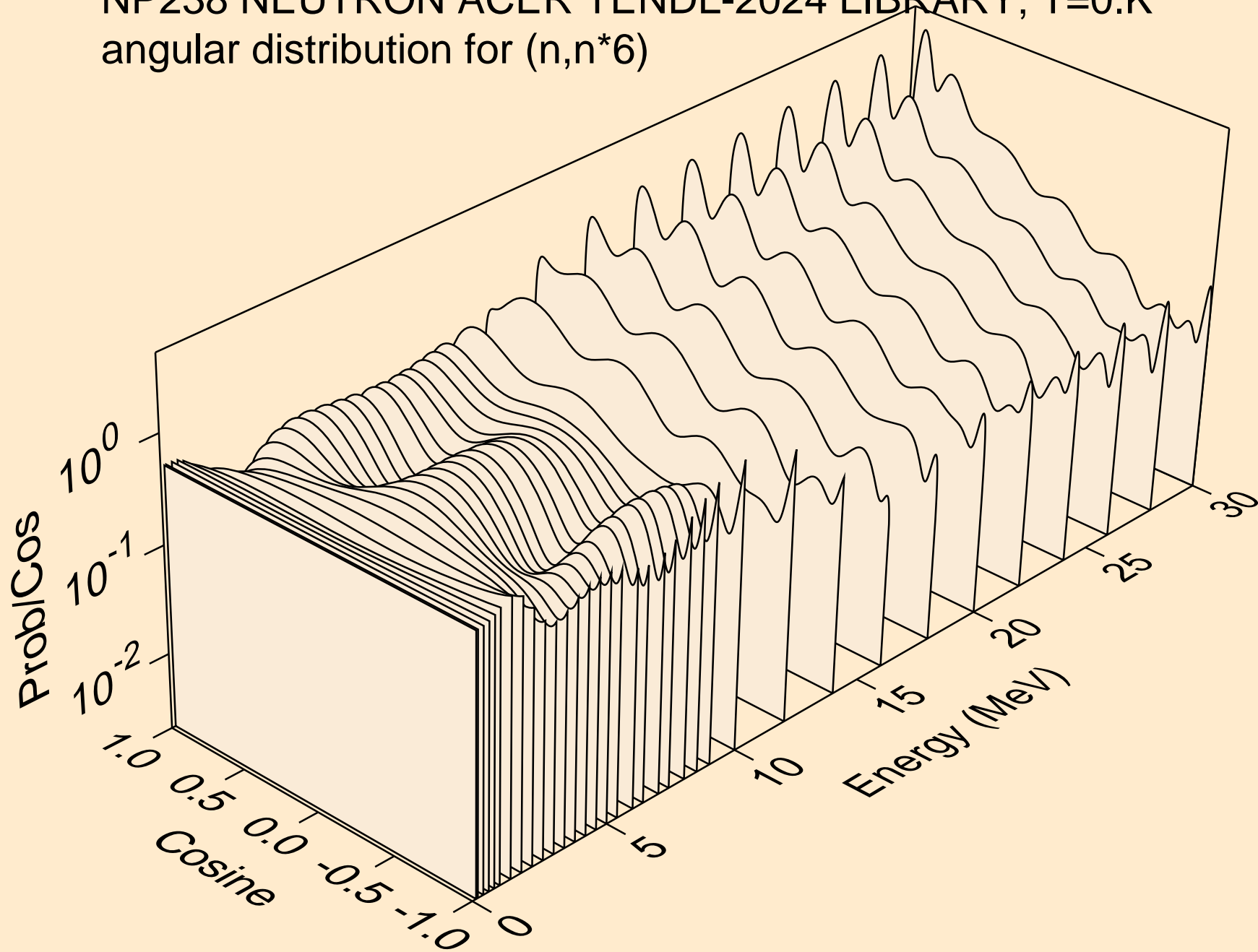




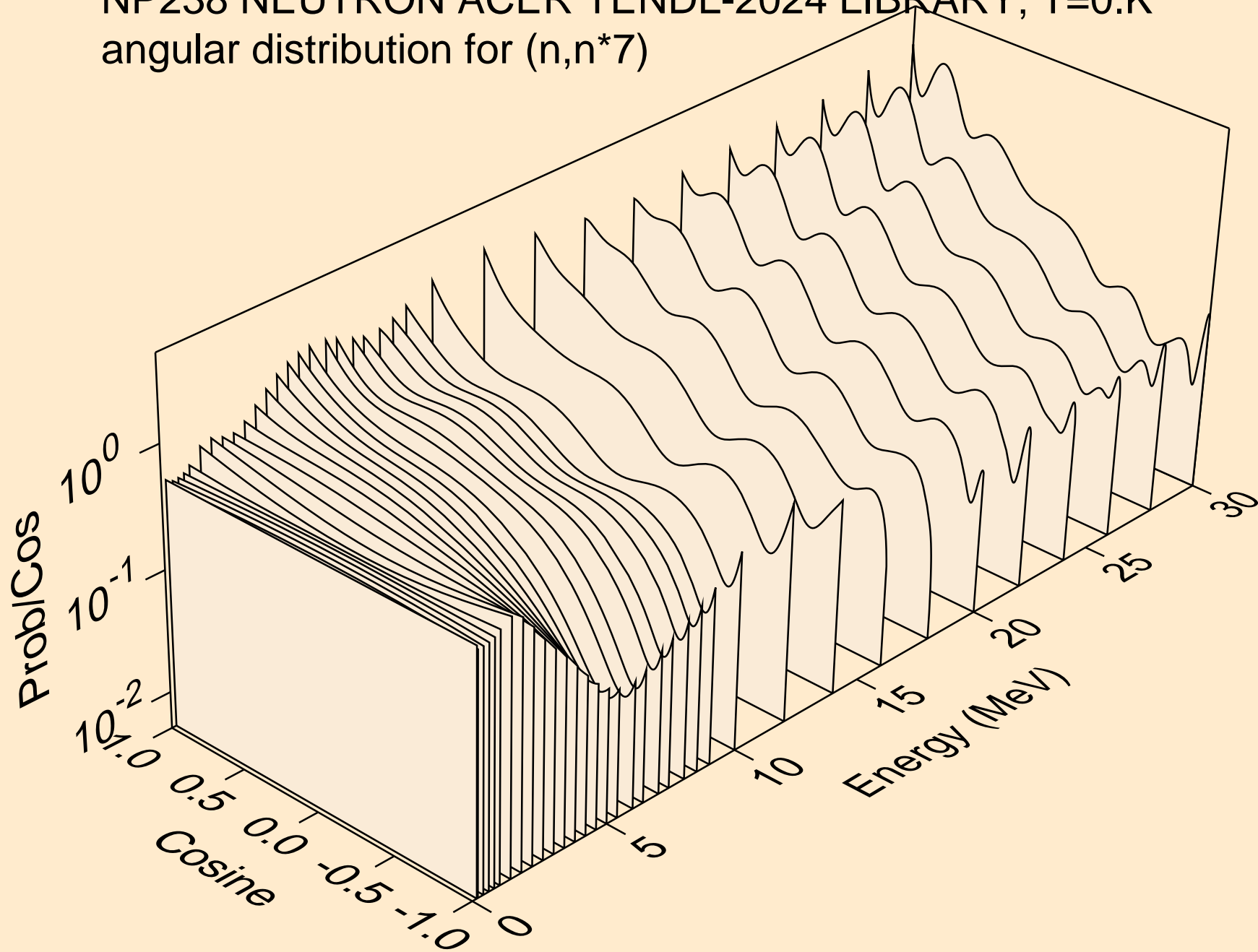
NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*5)



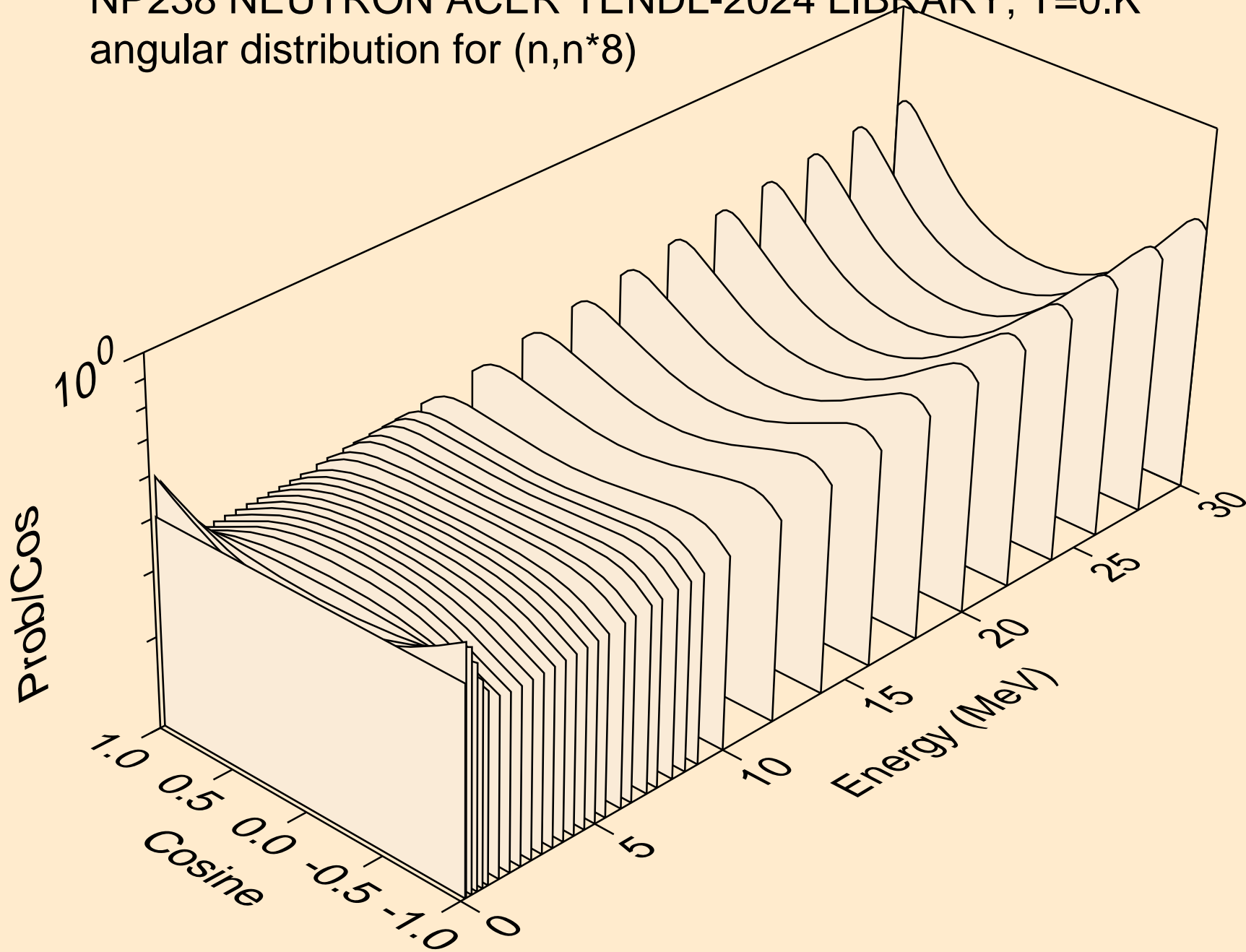
NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*6)



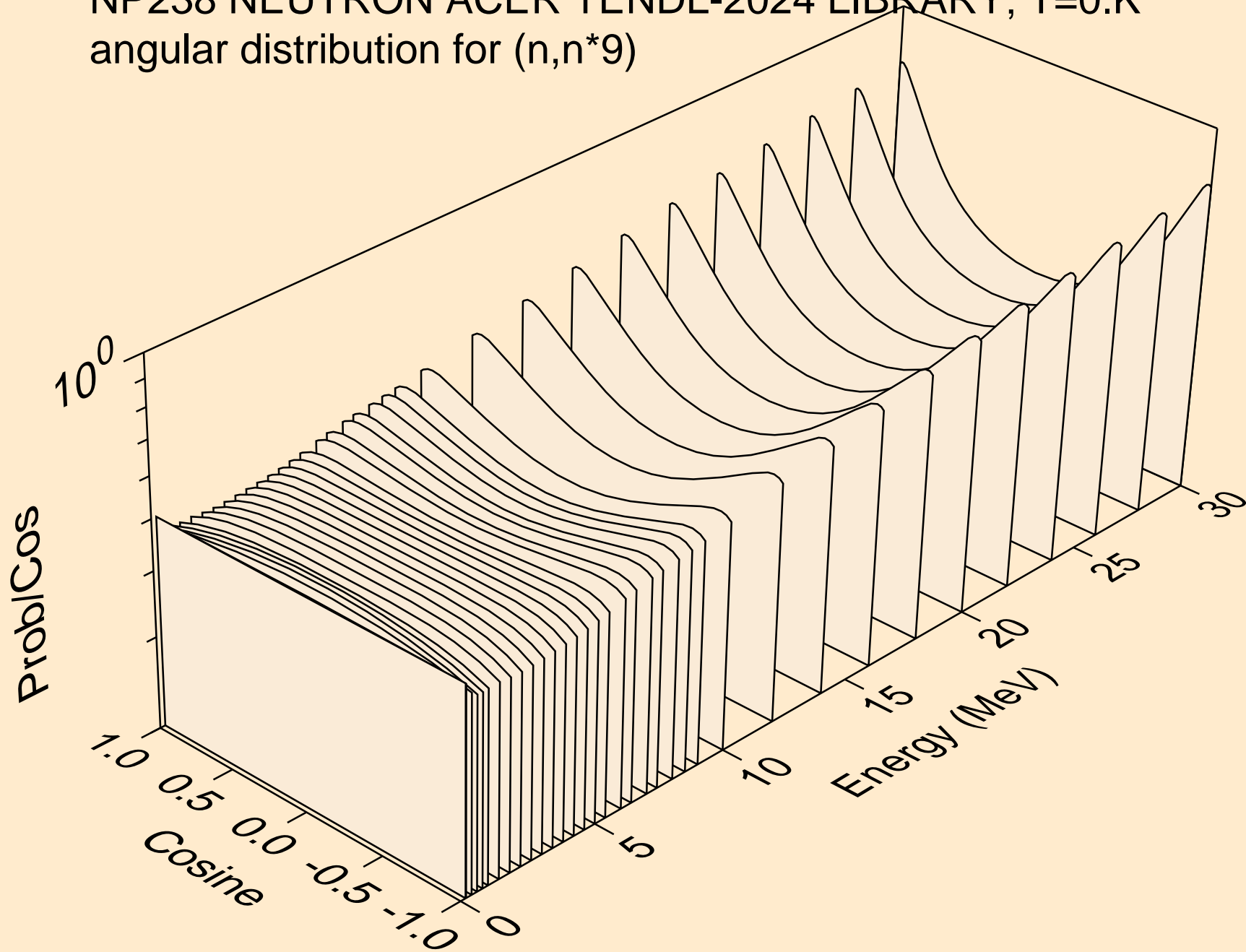
NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*7)



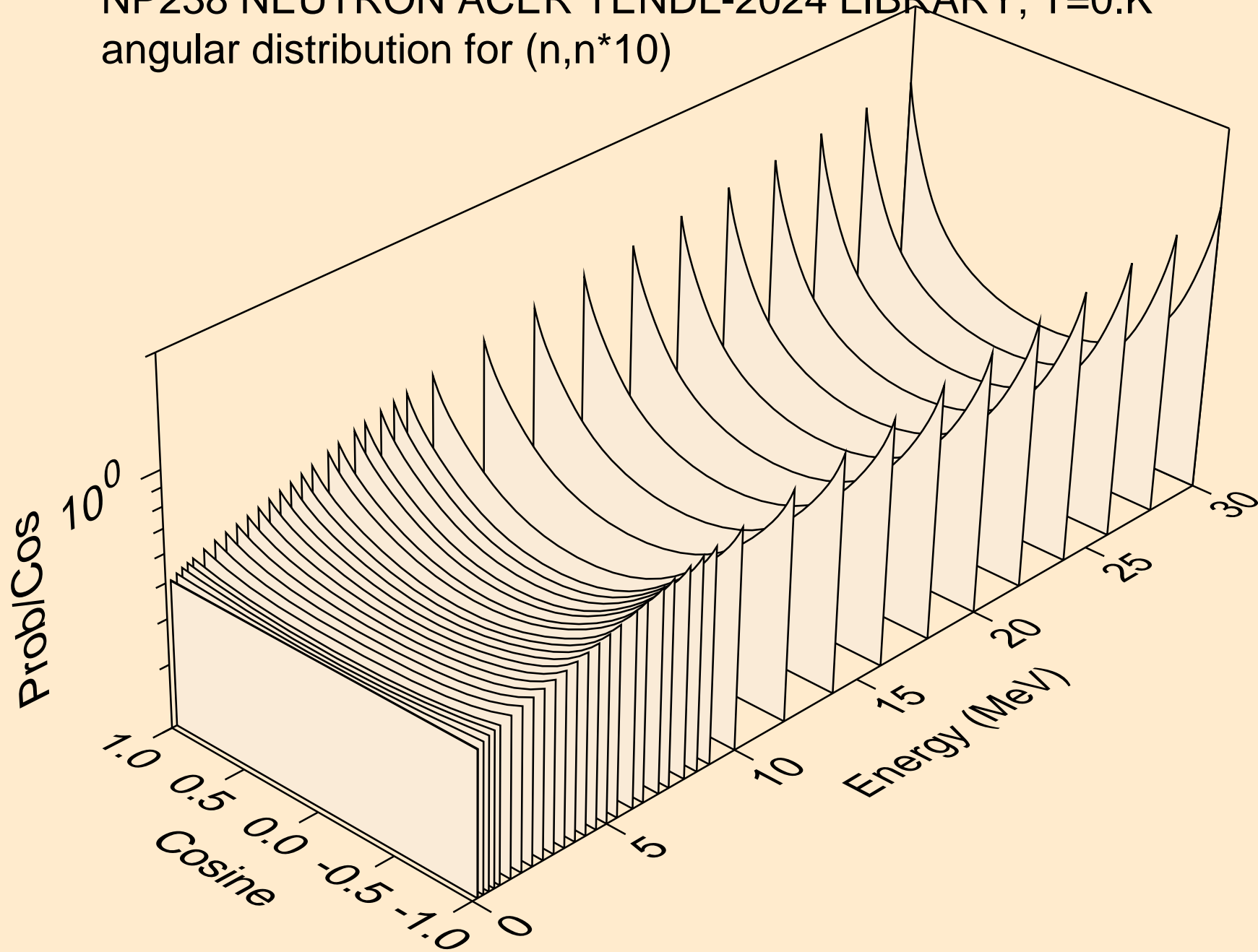
NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*8)



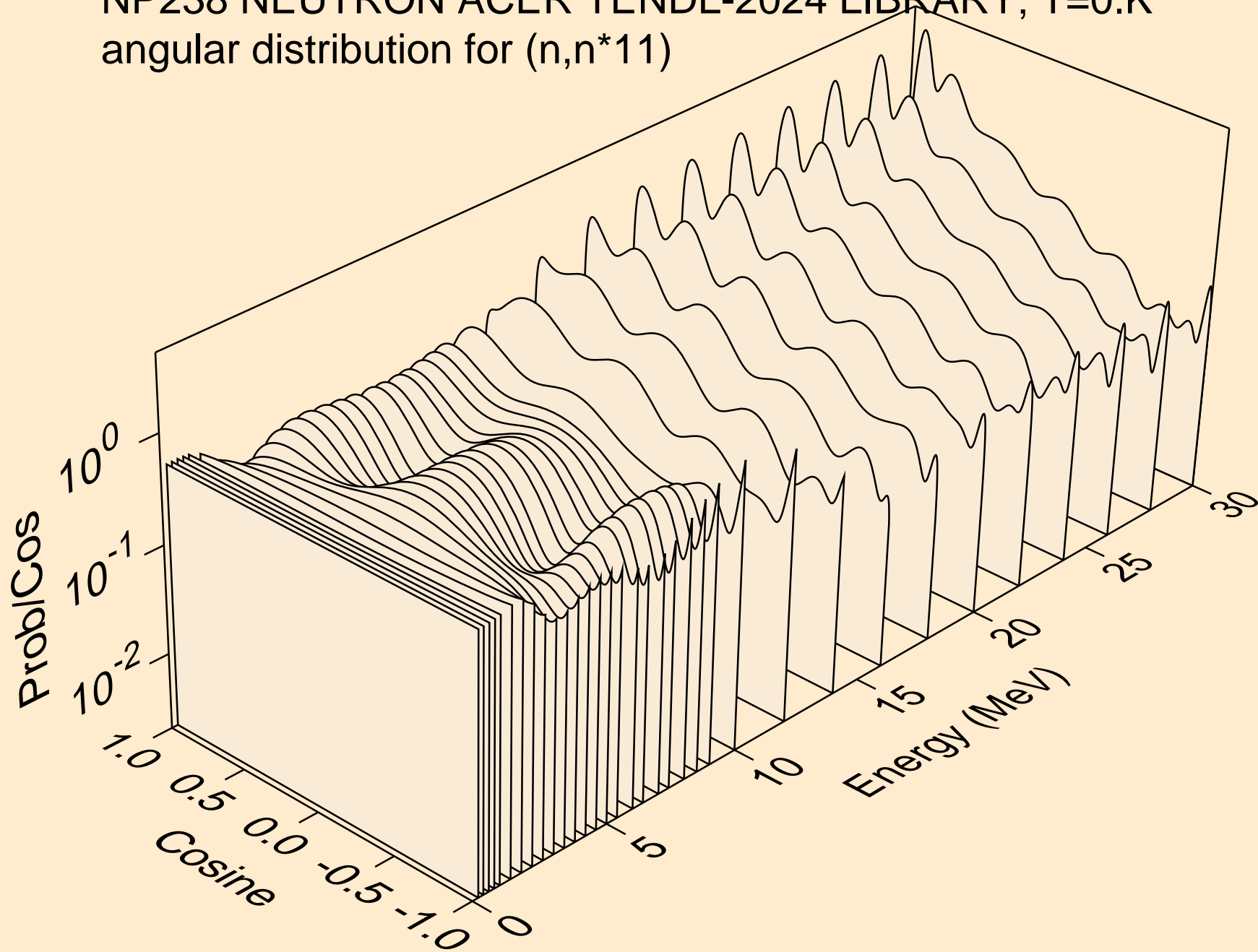
NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*9)



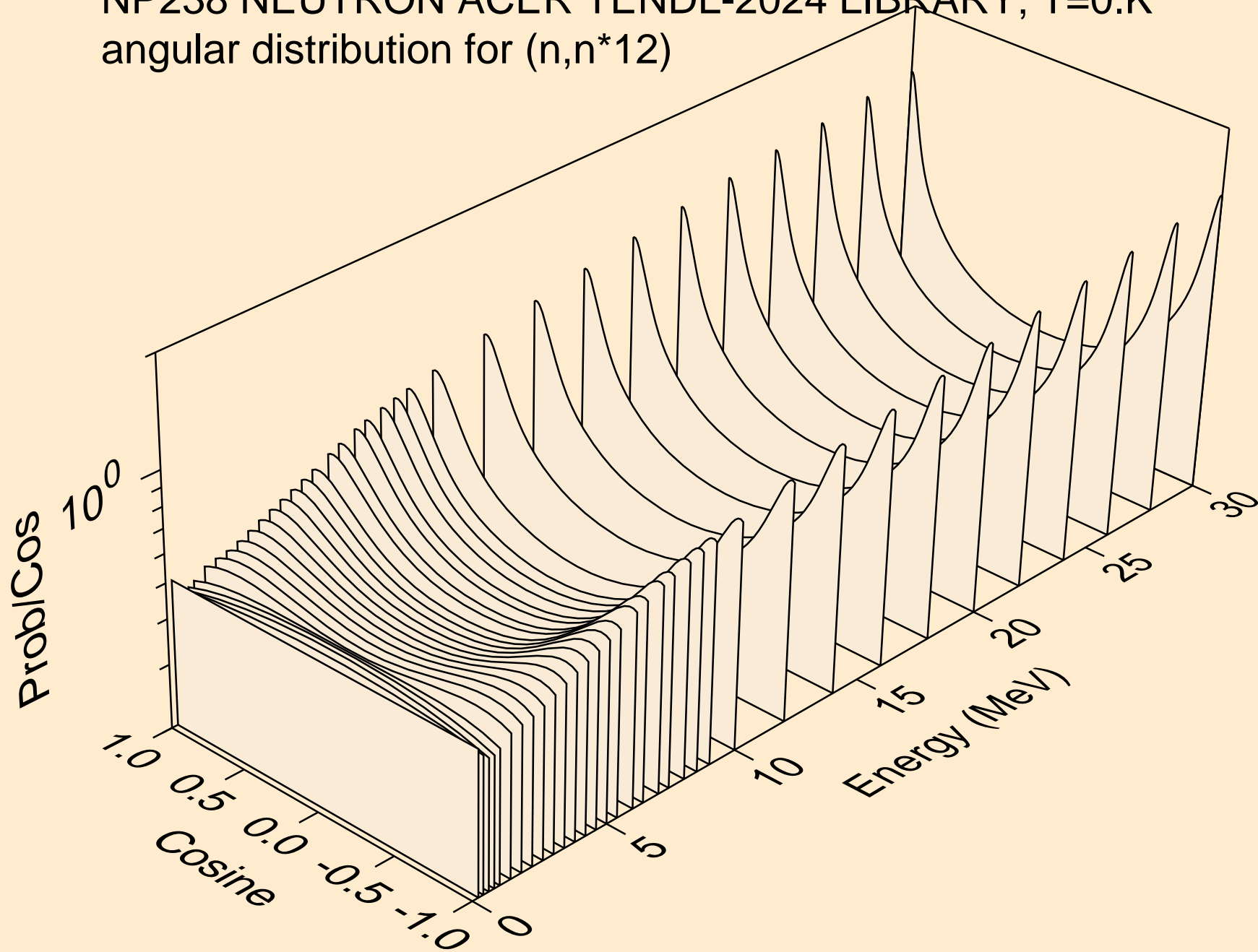
NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*10)



NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*11)

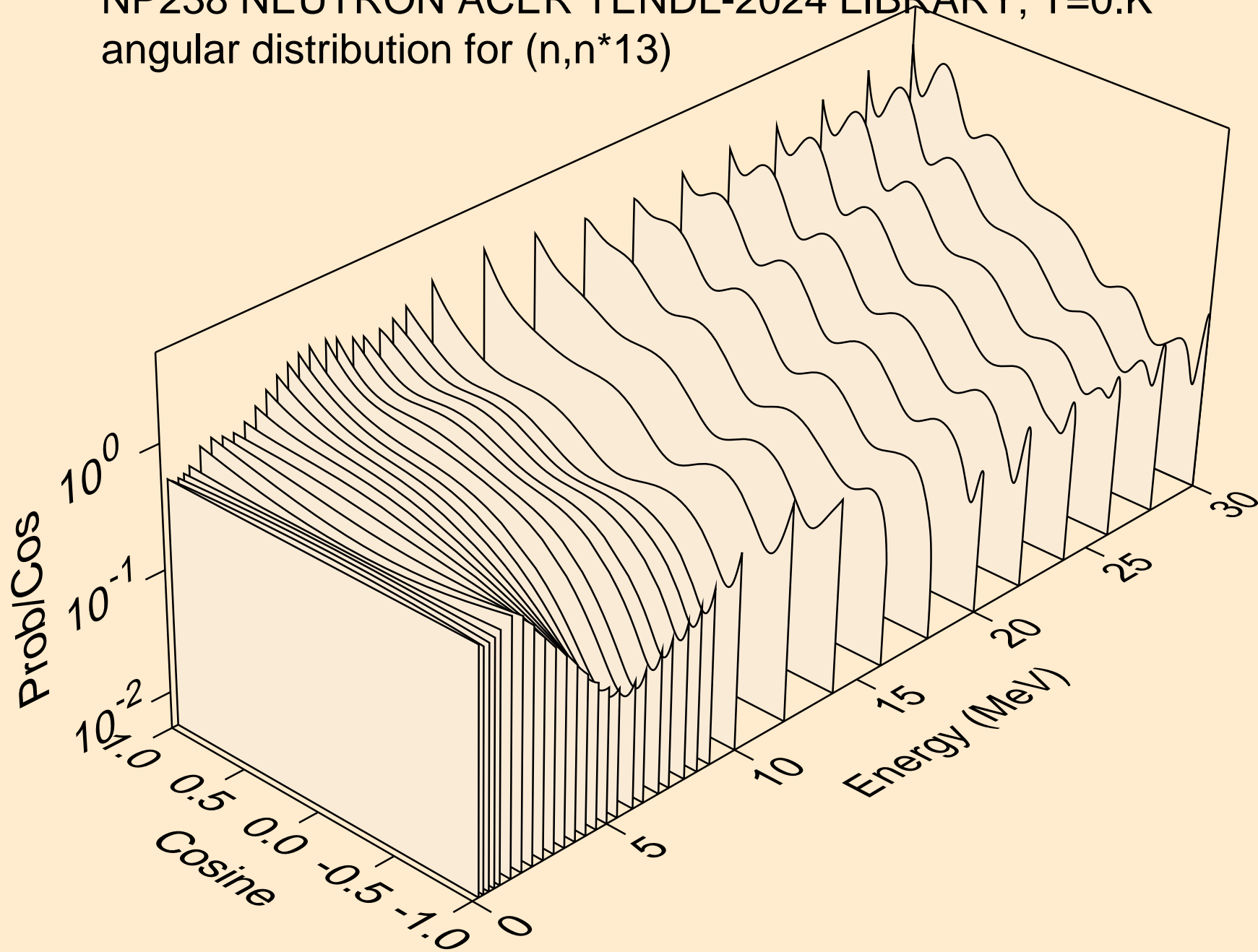


NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*12)

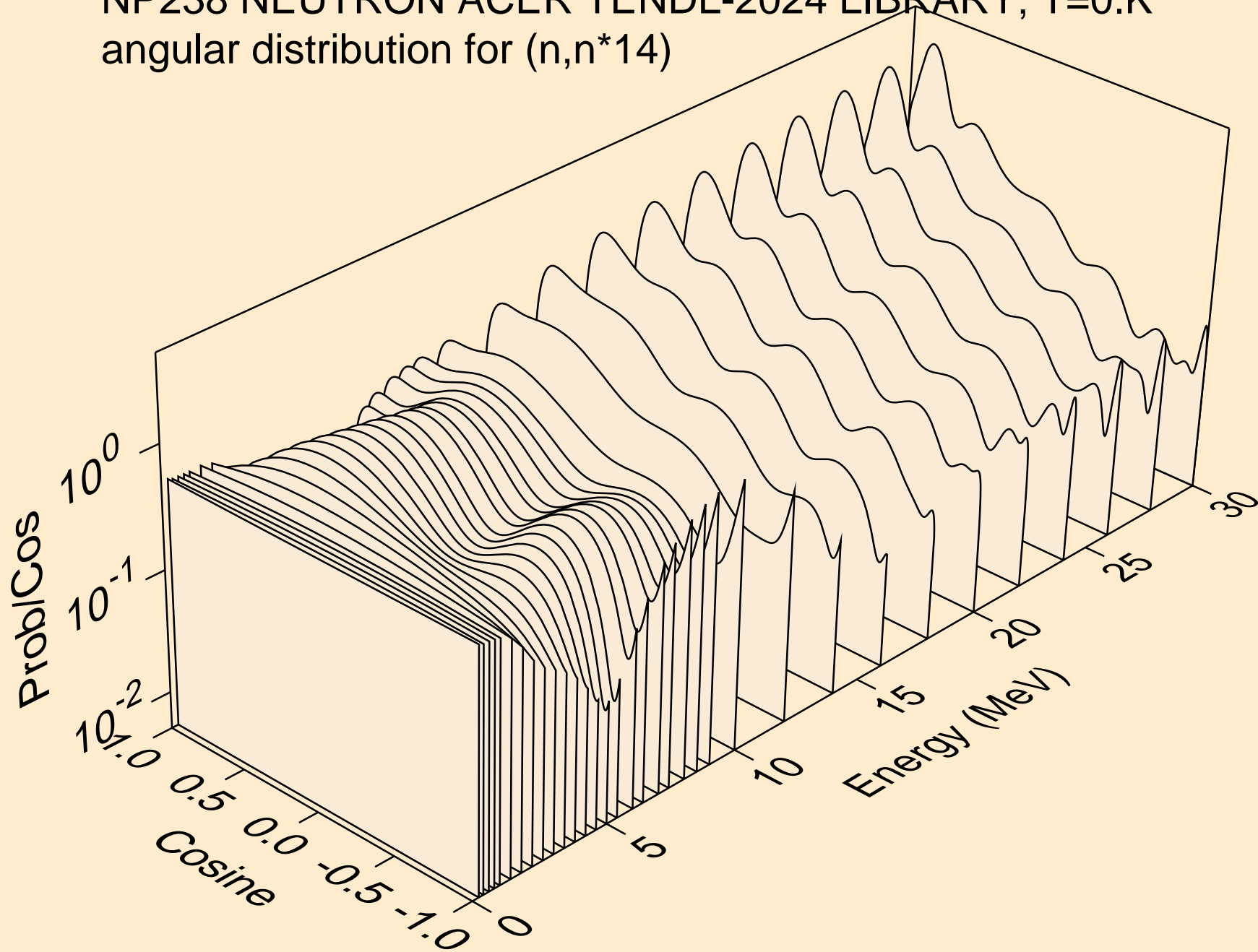




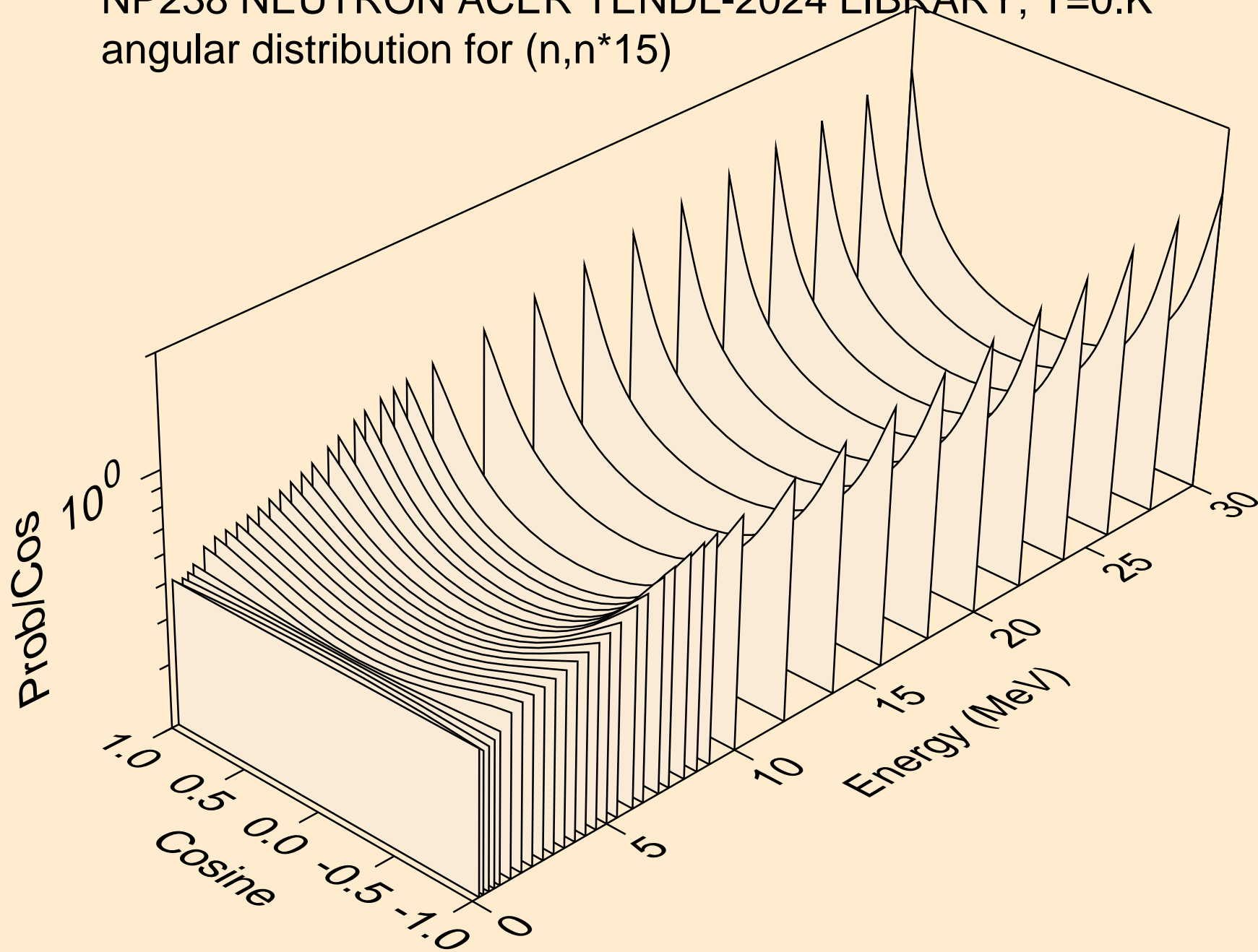
NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*13)



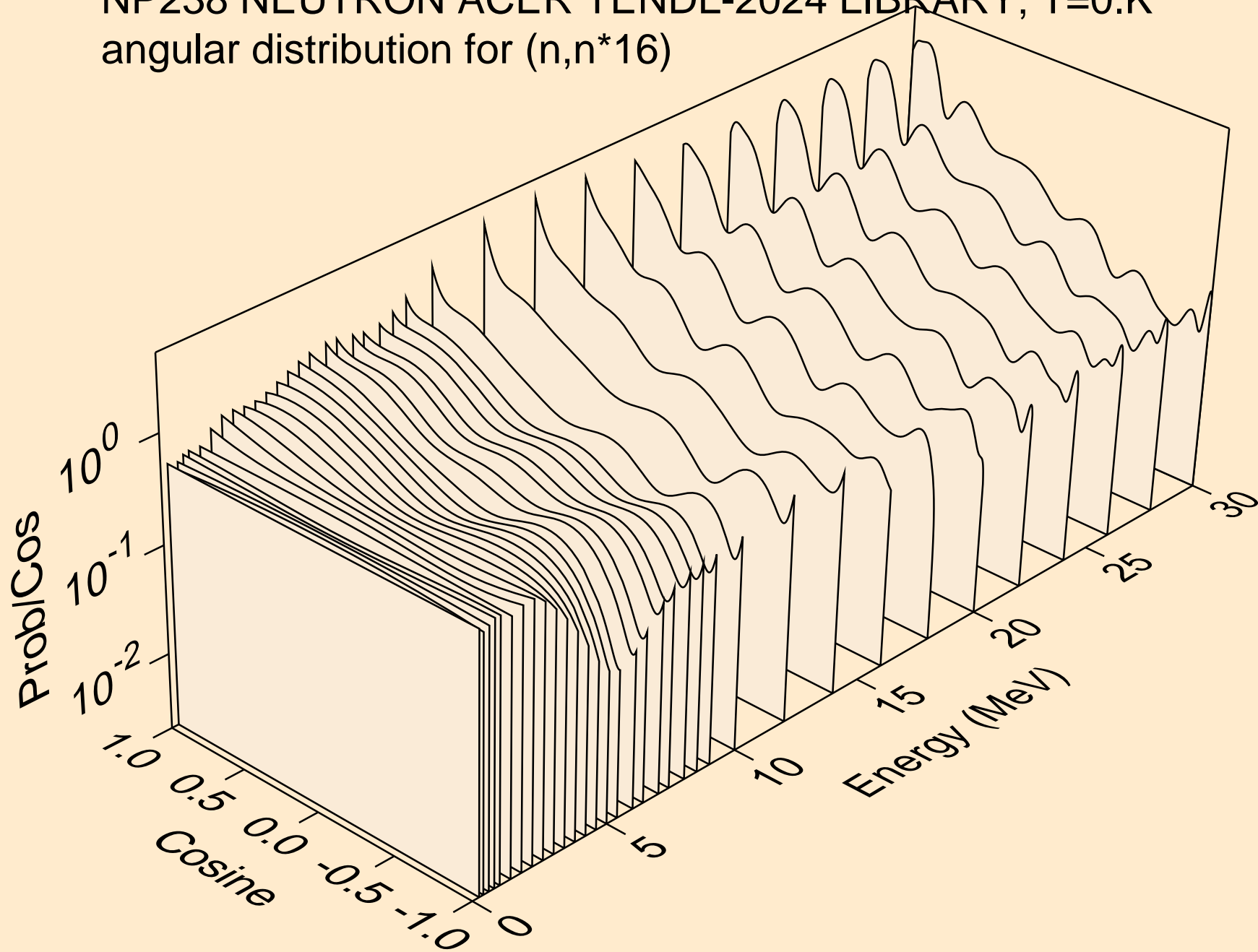
NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*14)



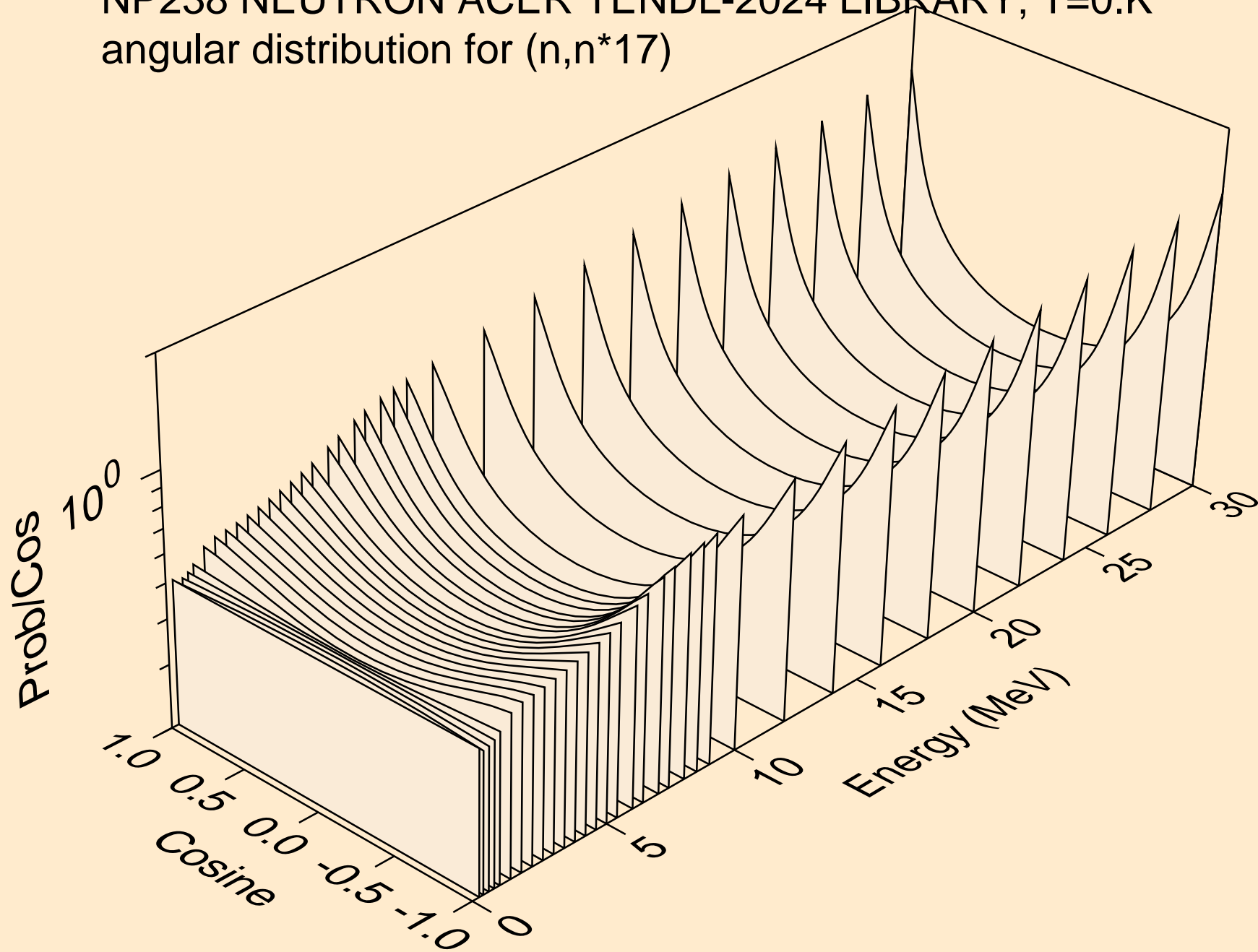
NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*15)



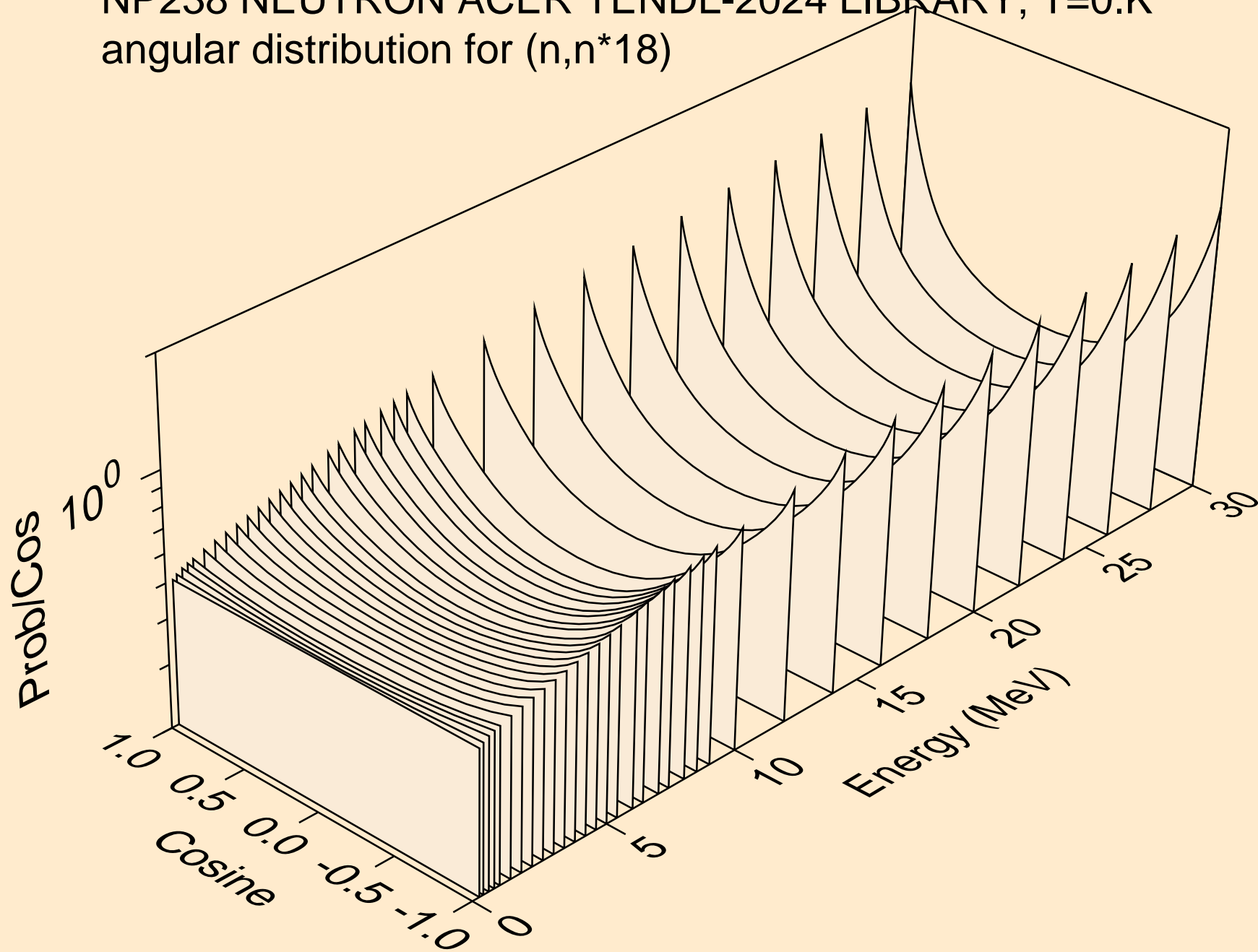
NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*16)



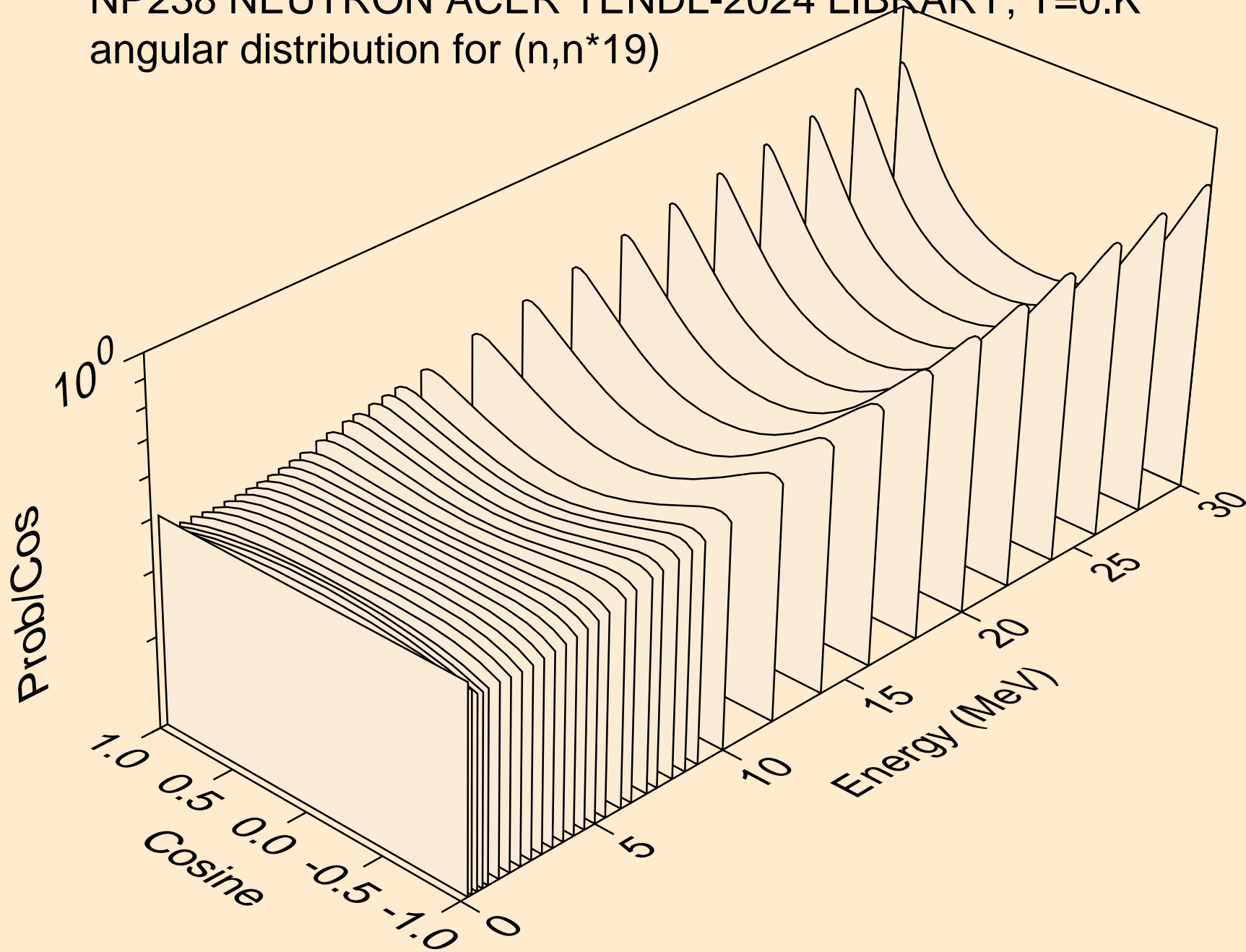
NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*17)



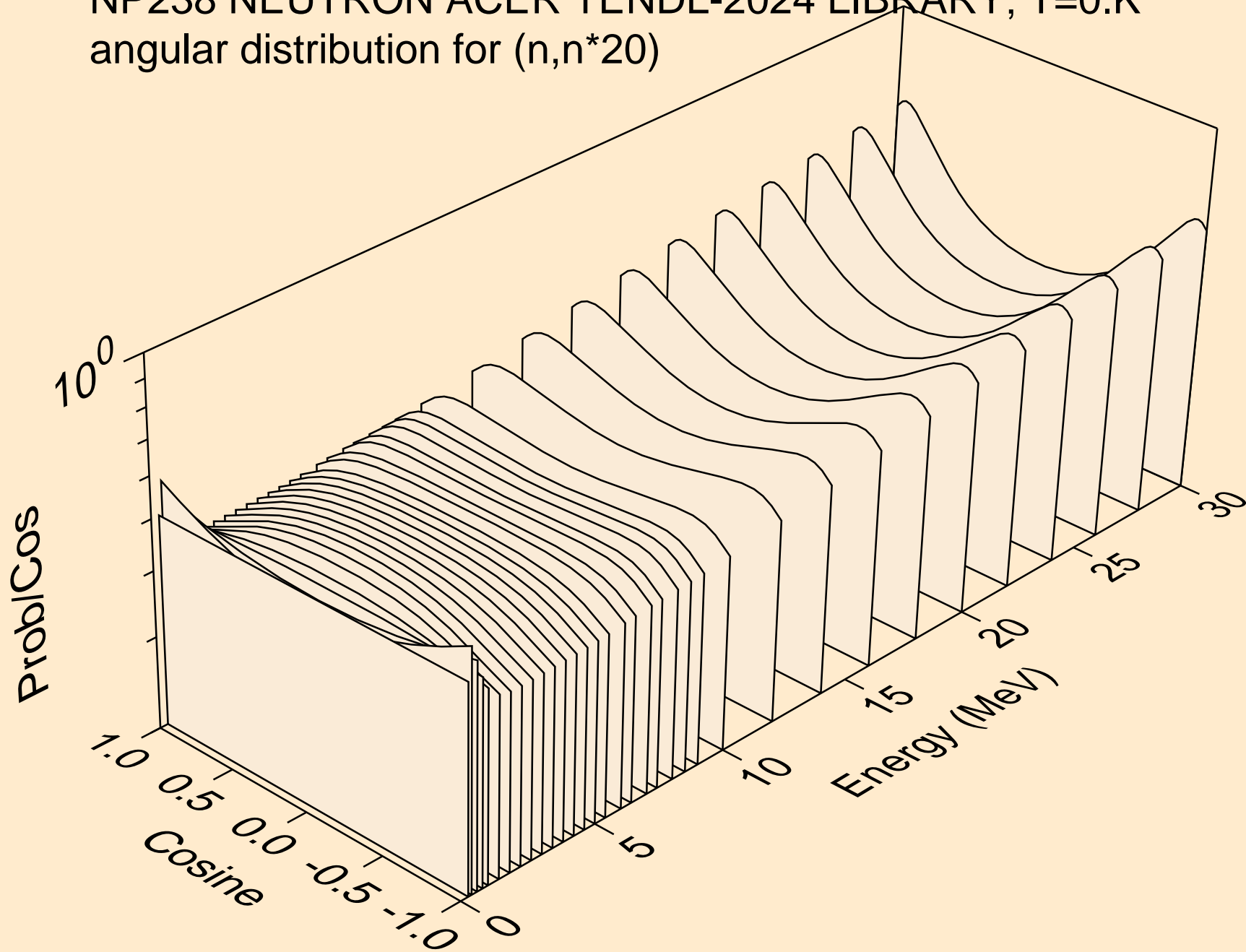
NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*18)



NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*19)

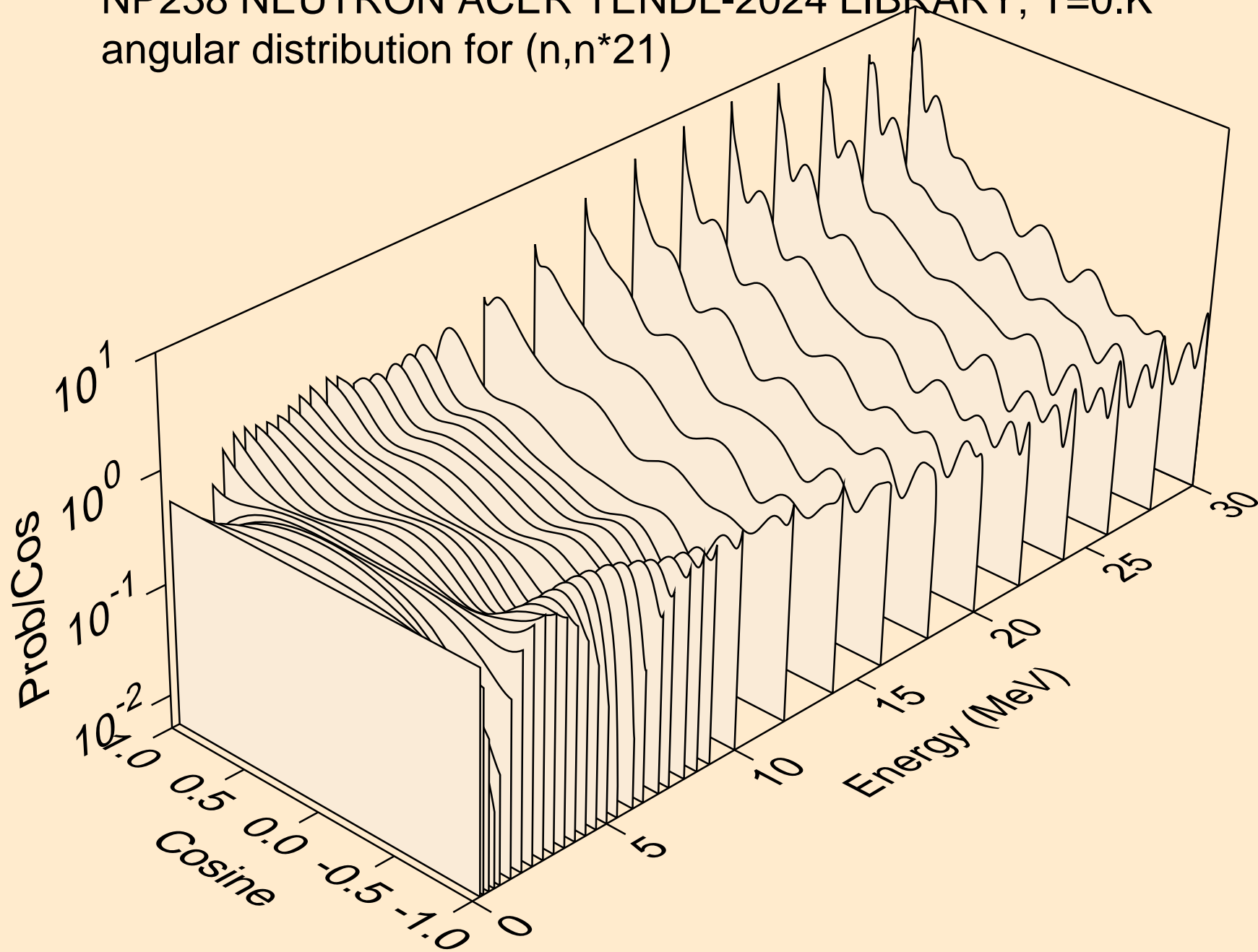


NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*20)

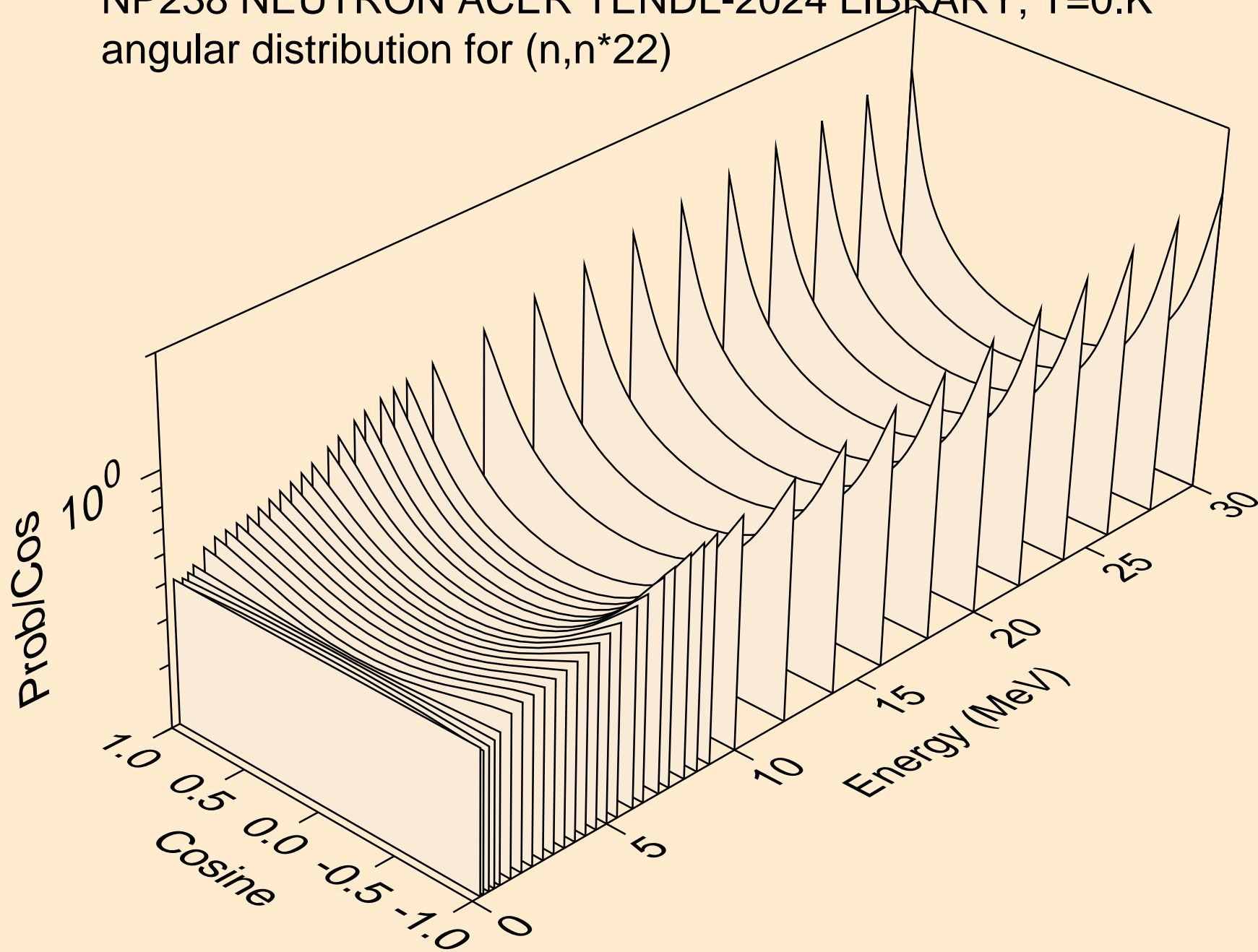




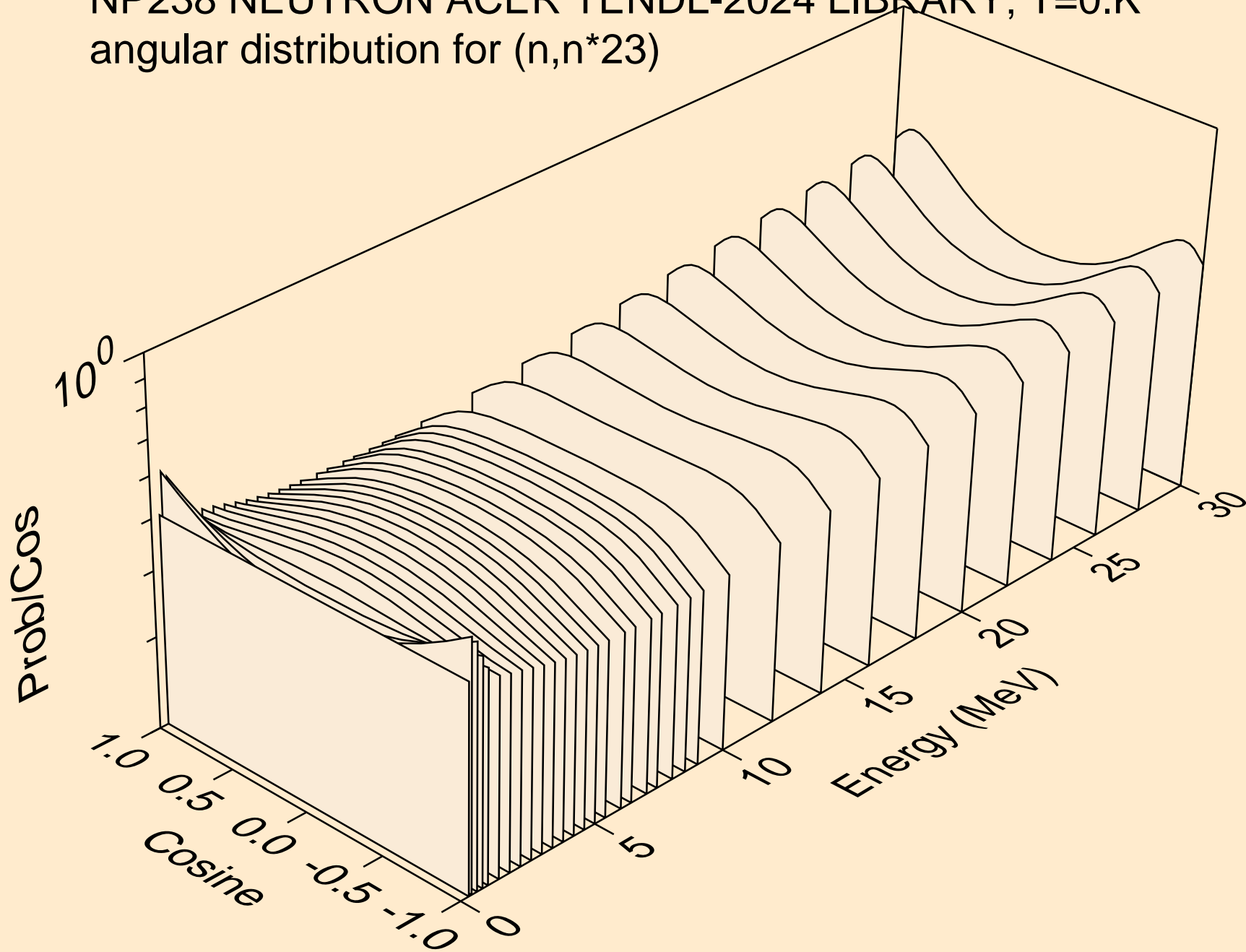
NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*21)



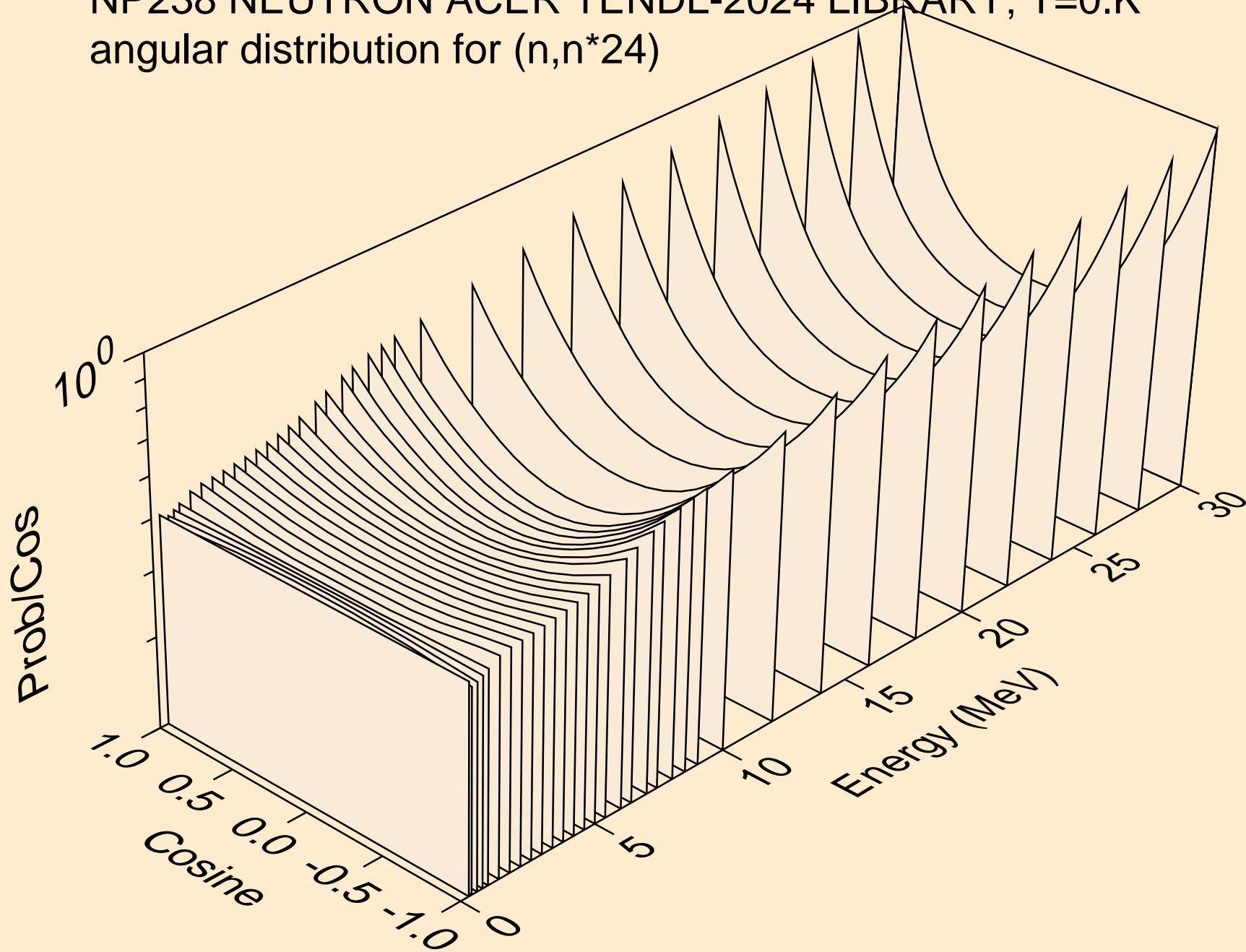
NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*22)



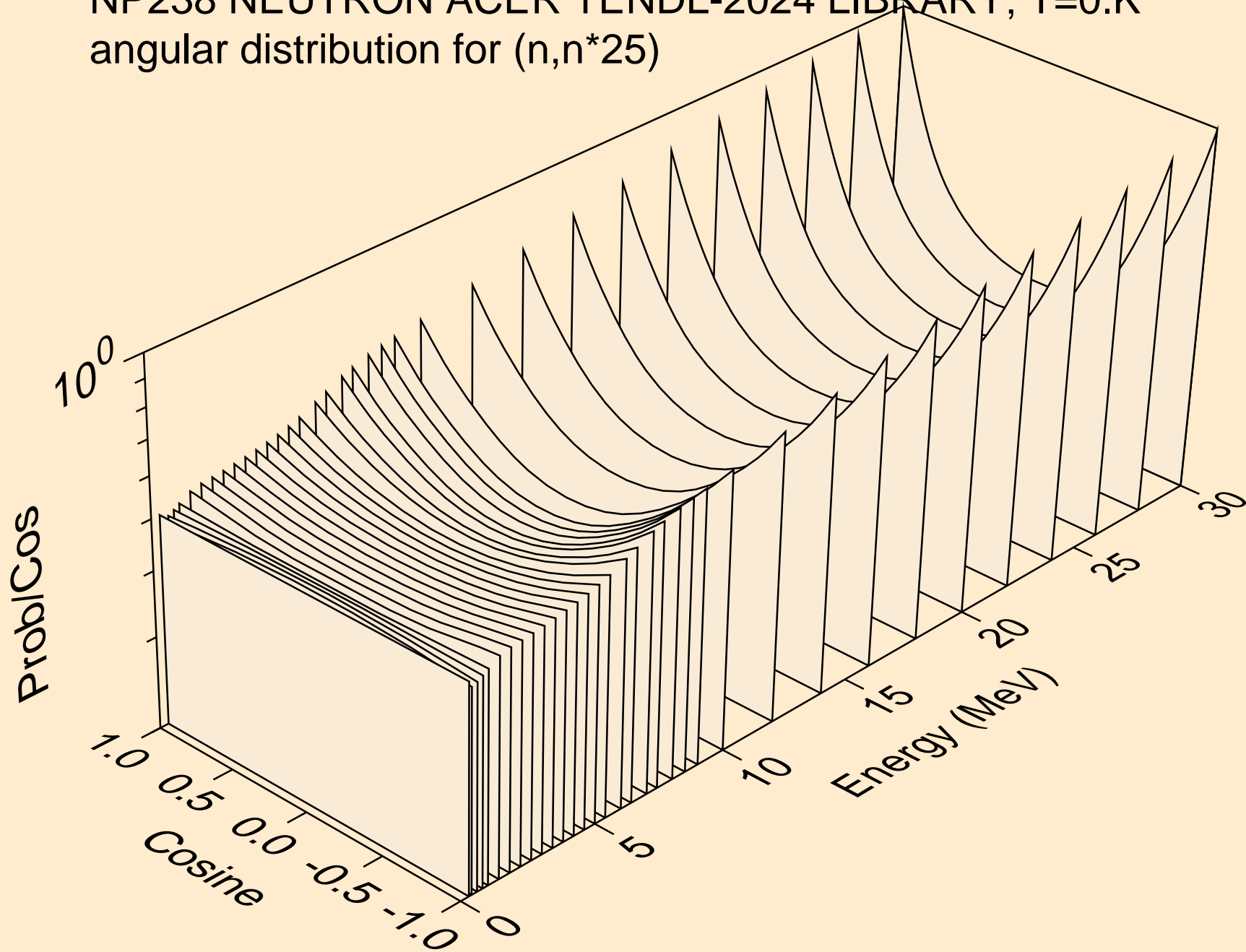
NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*23)



NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*24)

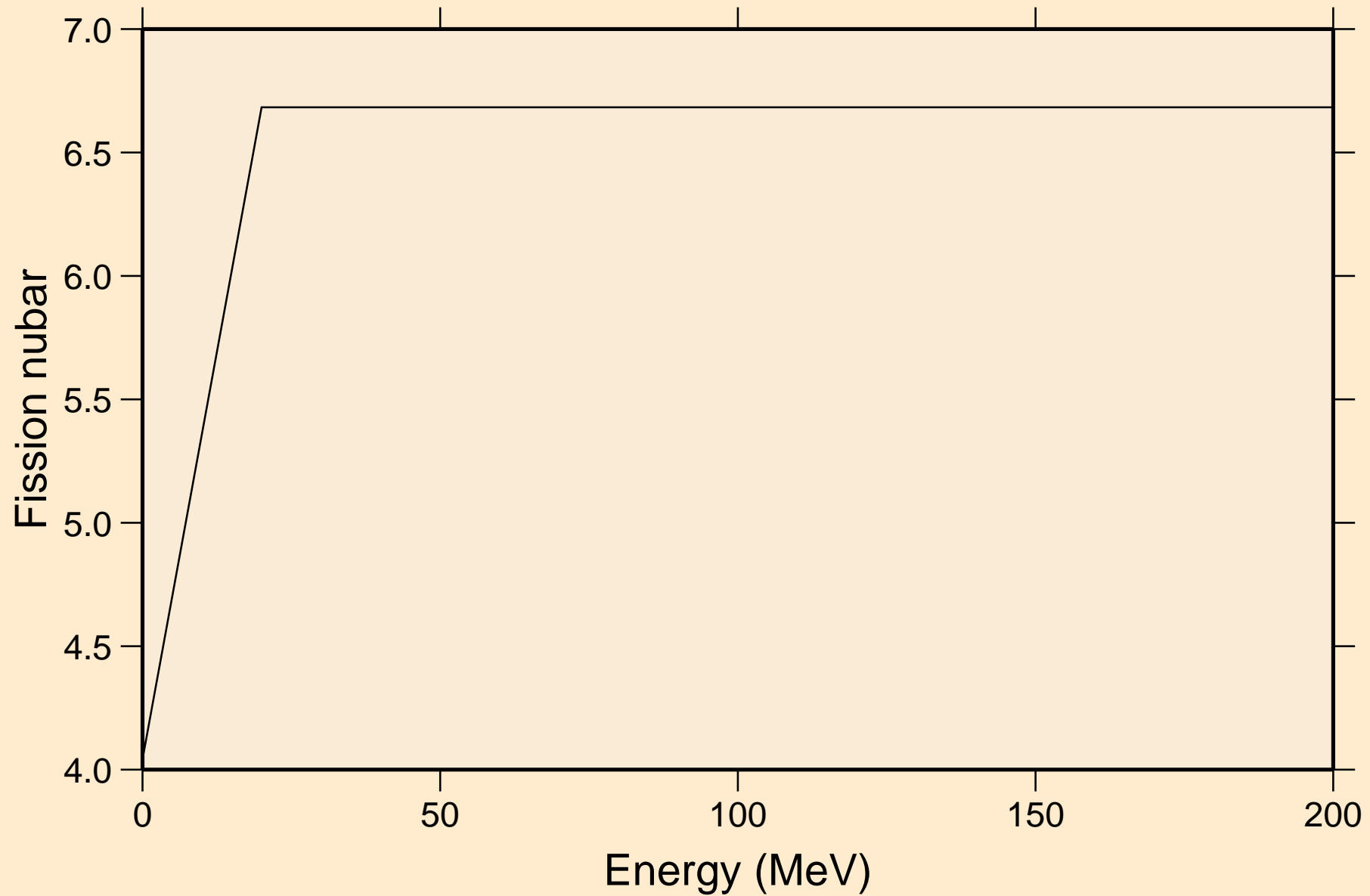


NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*25)

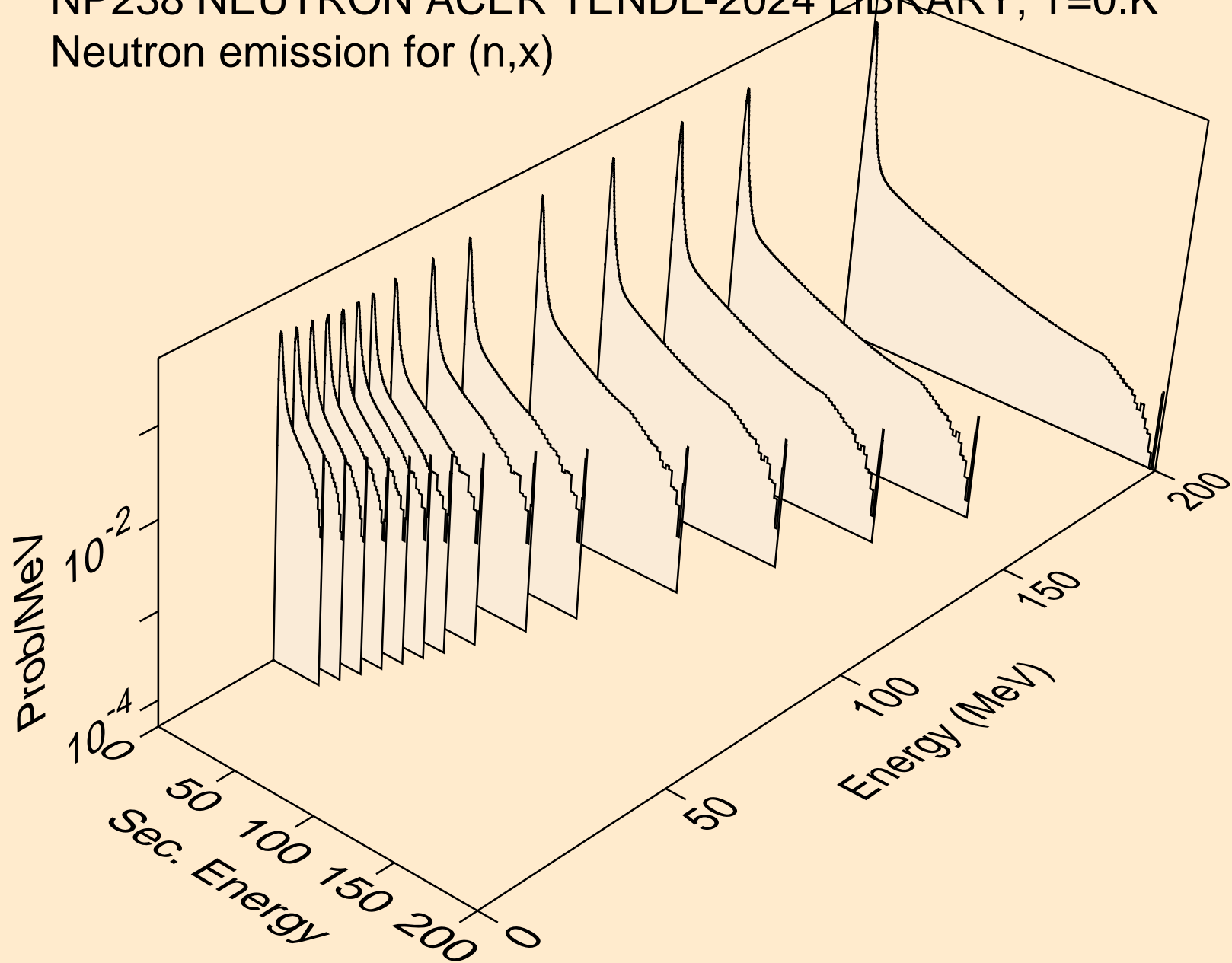


# NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

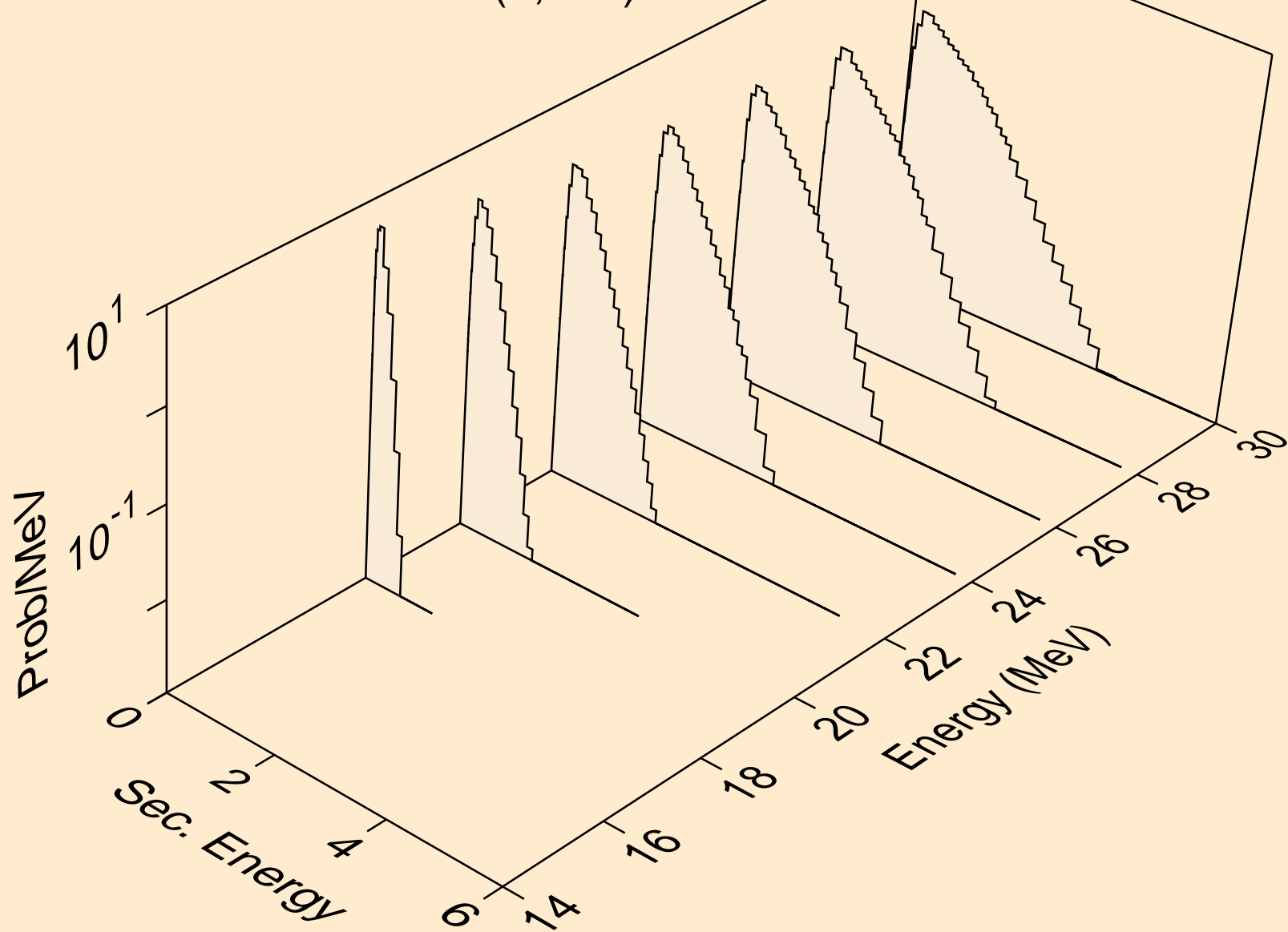
## Total fission nubar



NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,x)

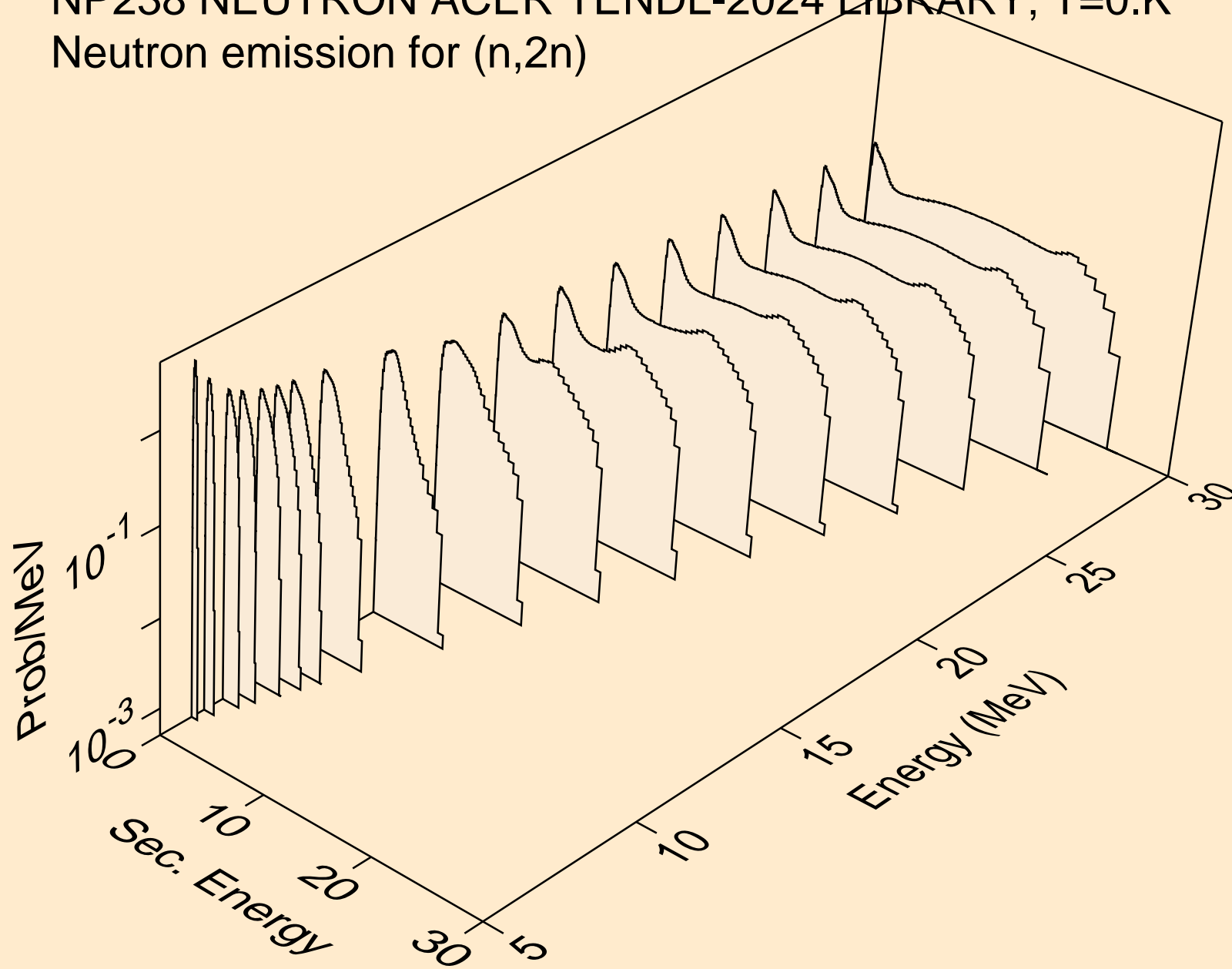


NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2nd)

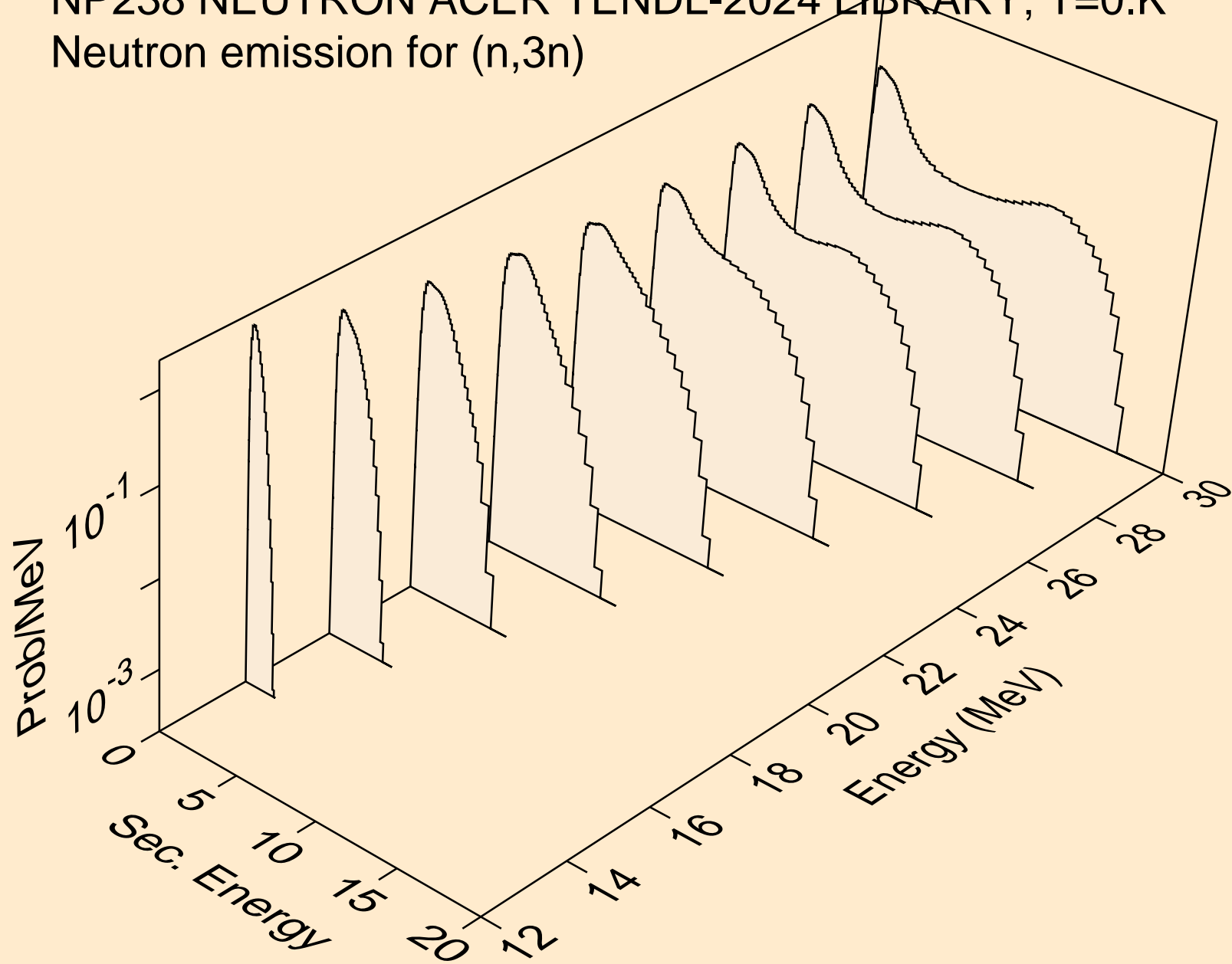




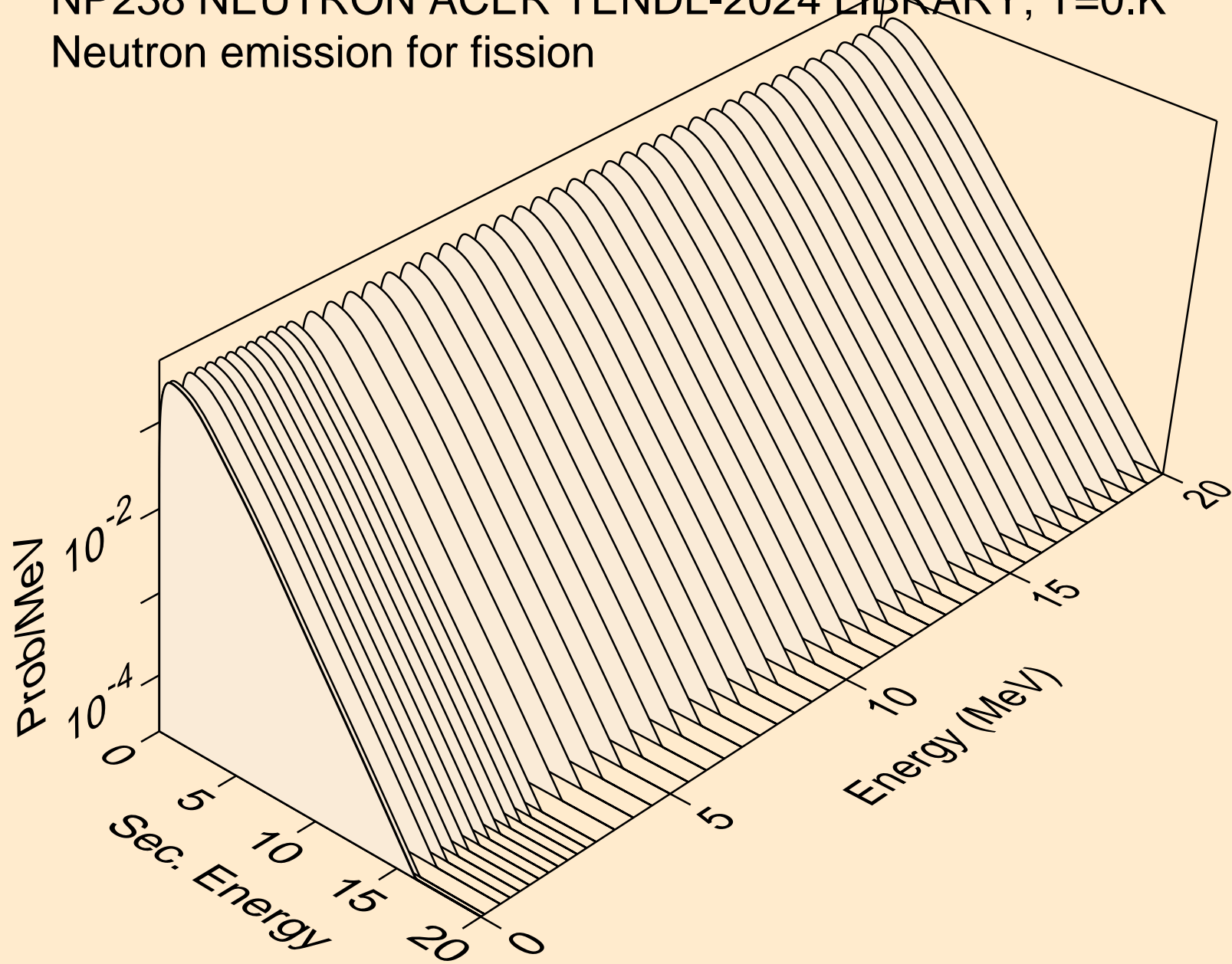
NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)



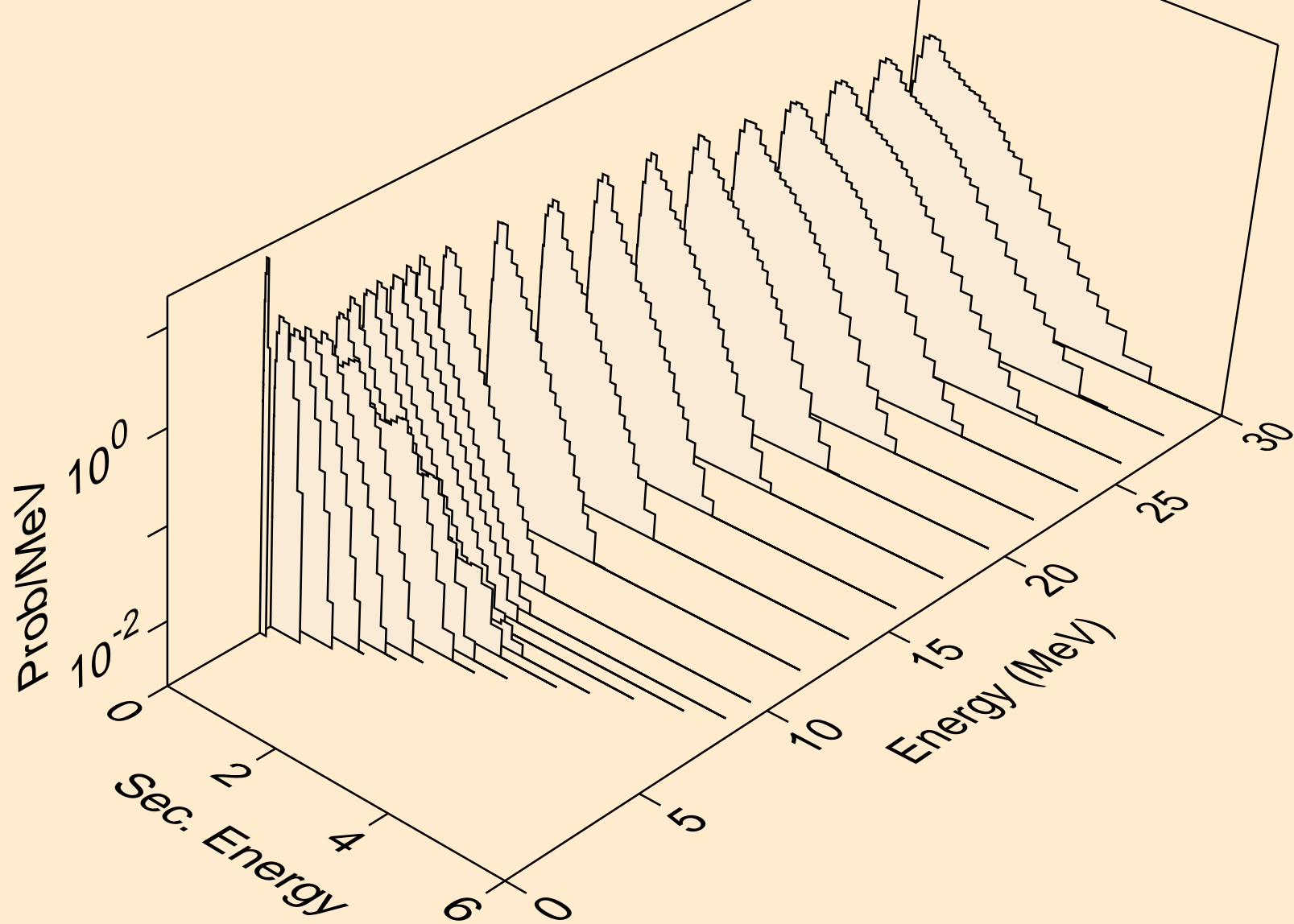
NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)



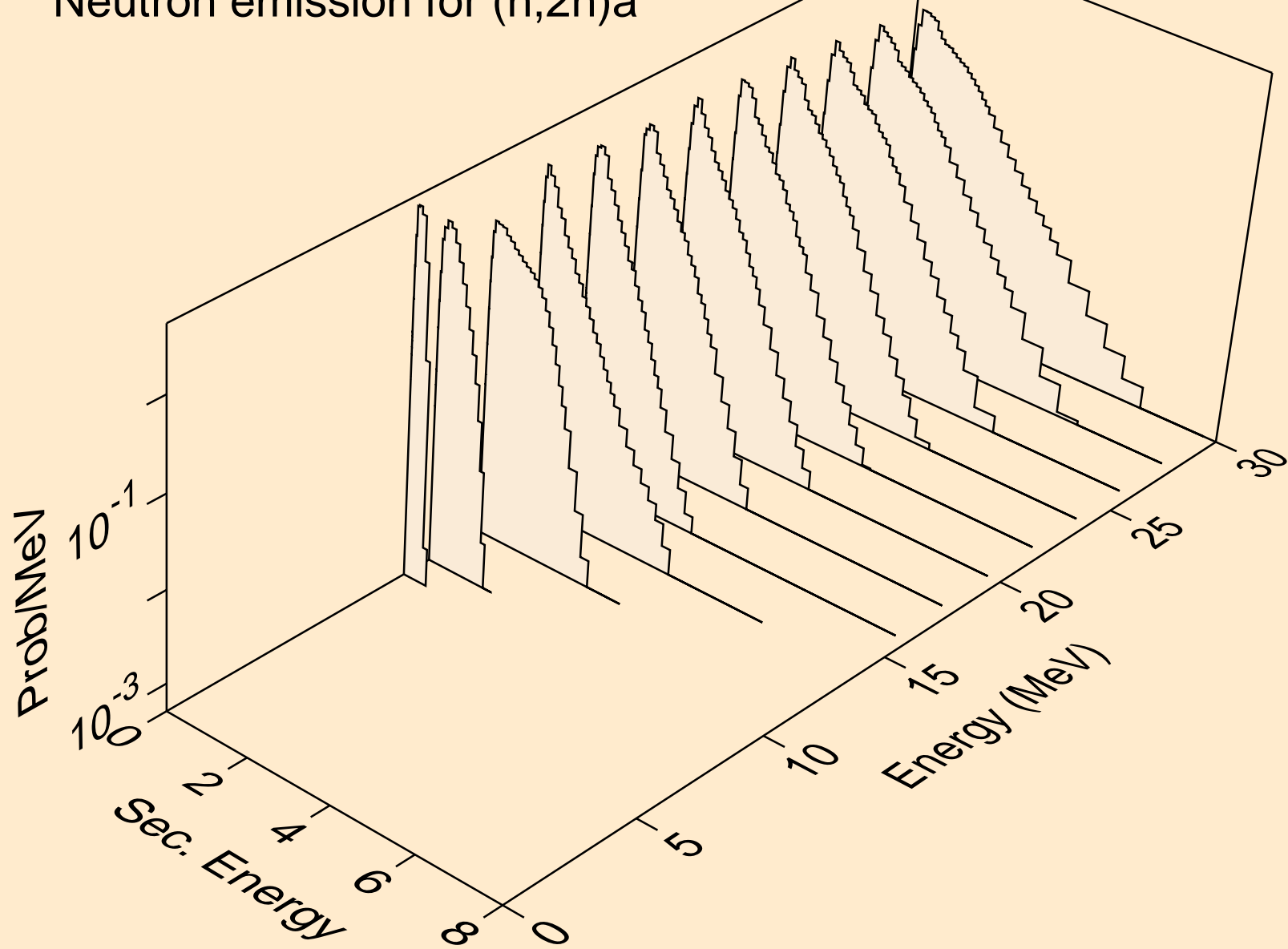
NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for fission



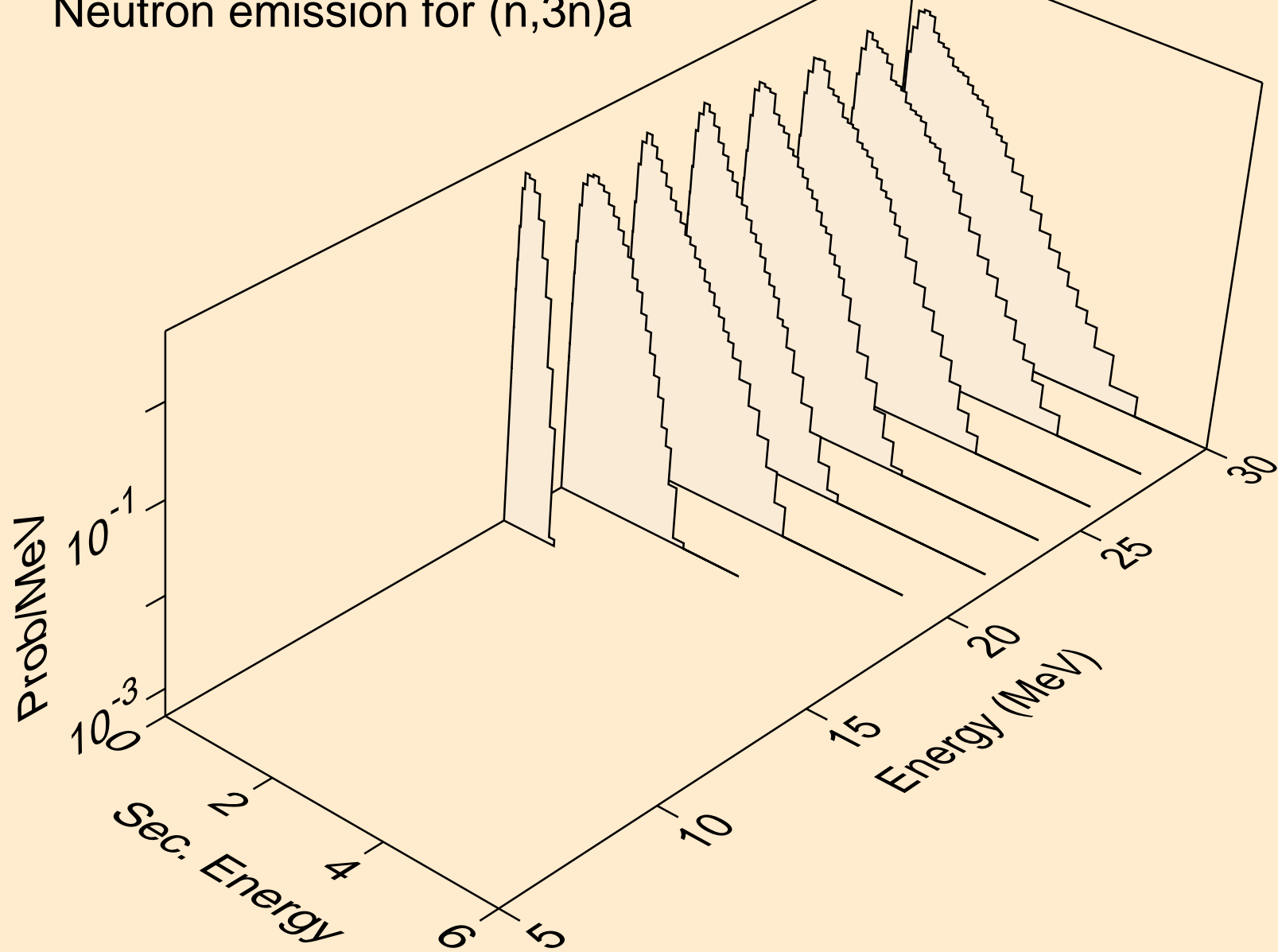
NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



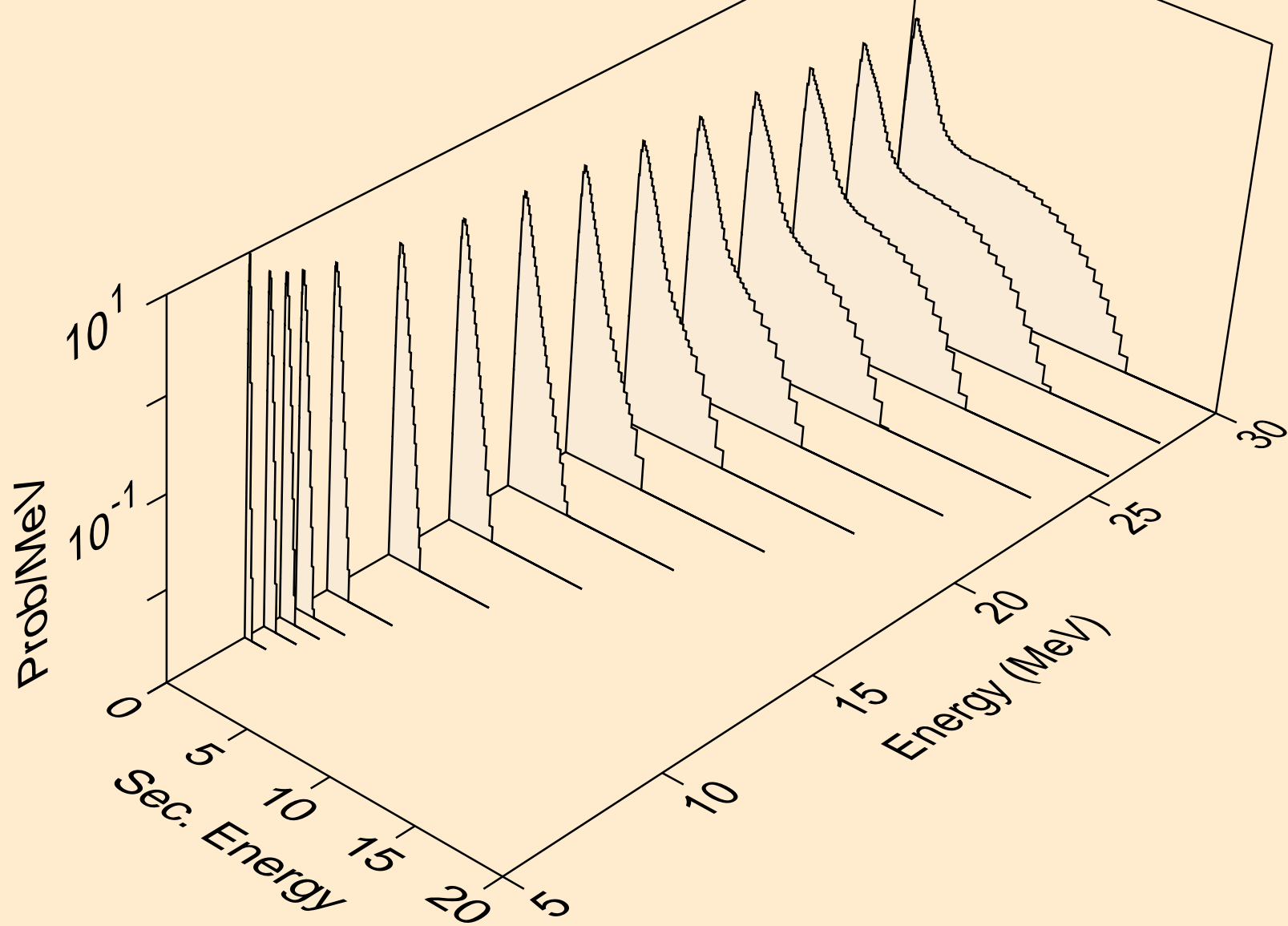
NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)a



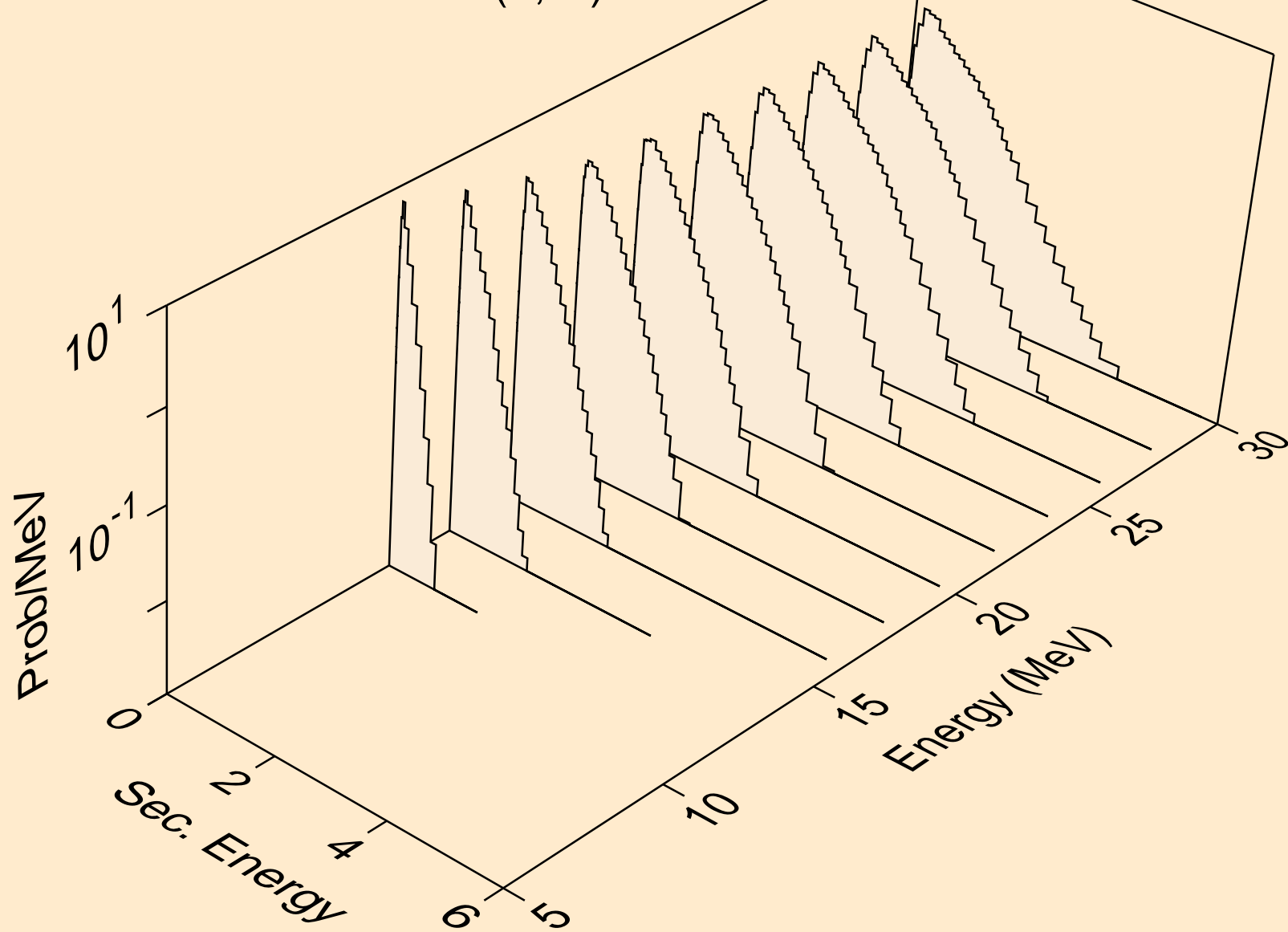
NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)a



NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p

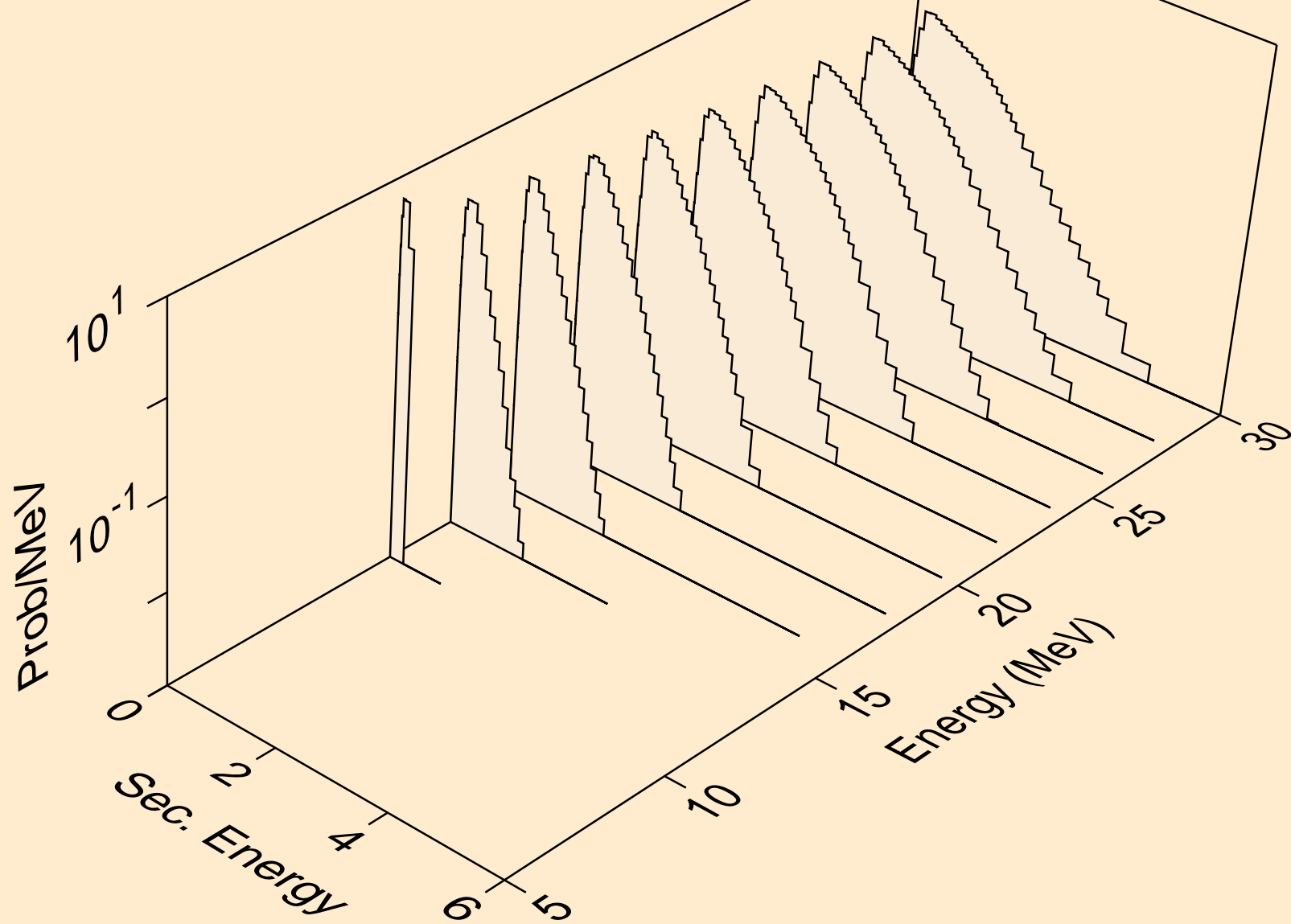


NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d

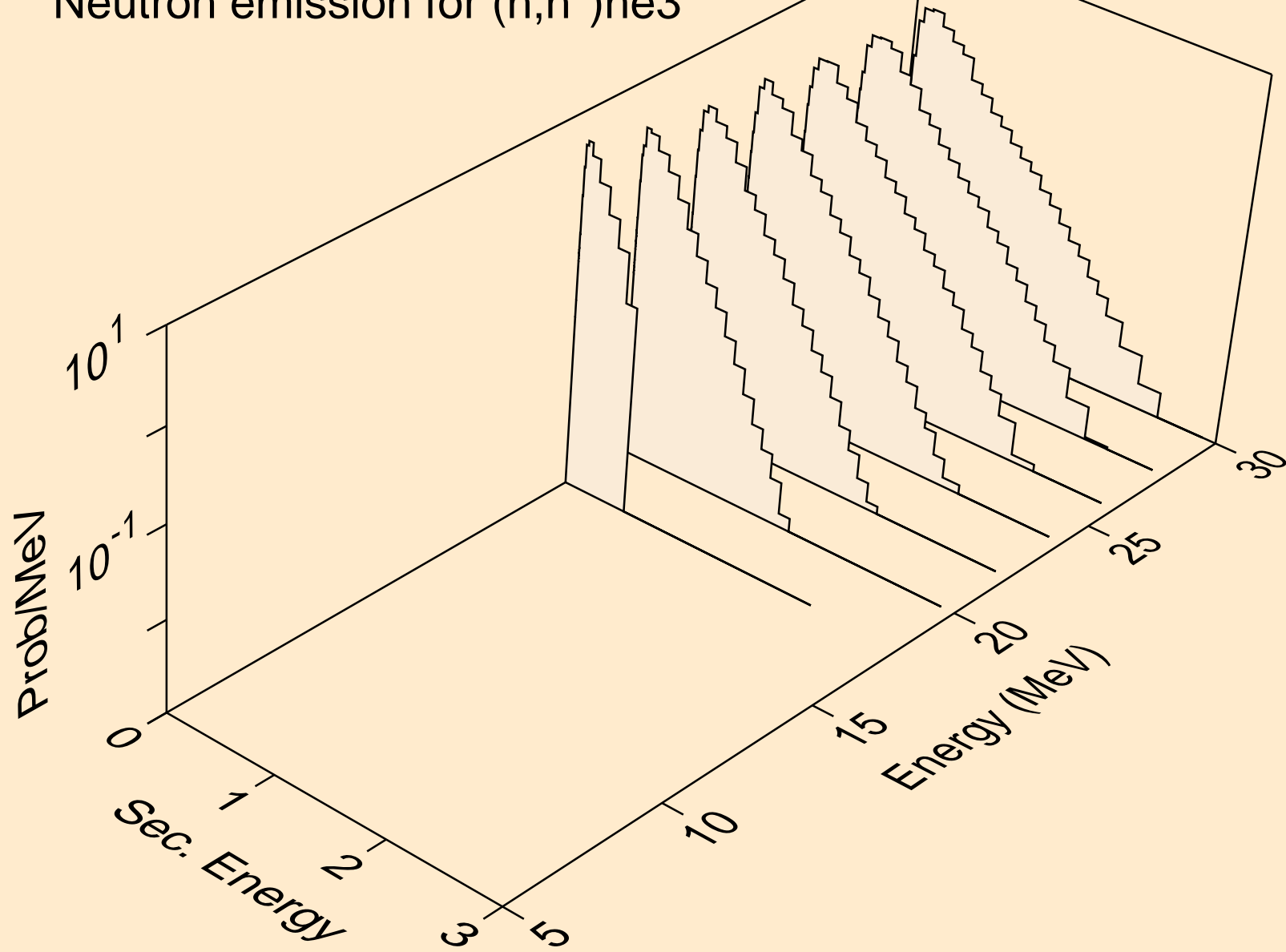




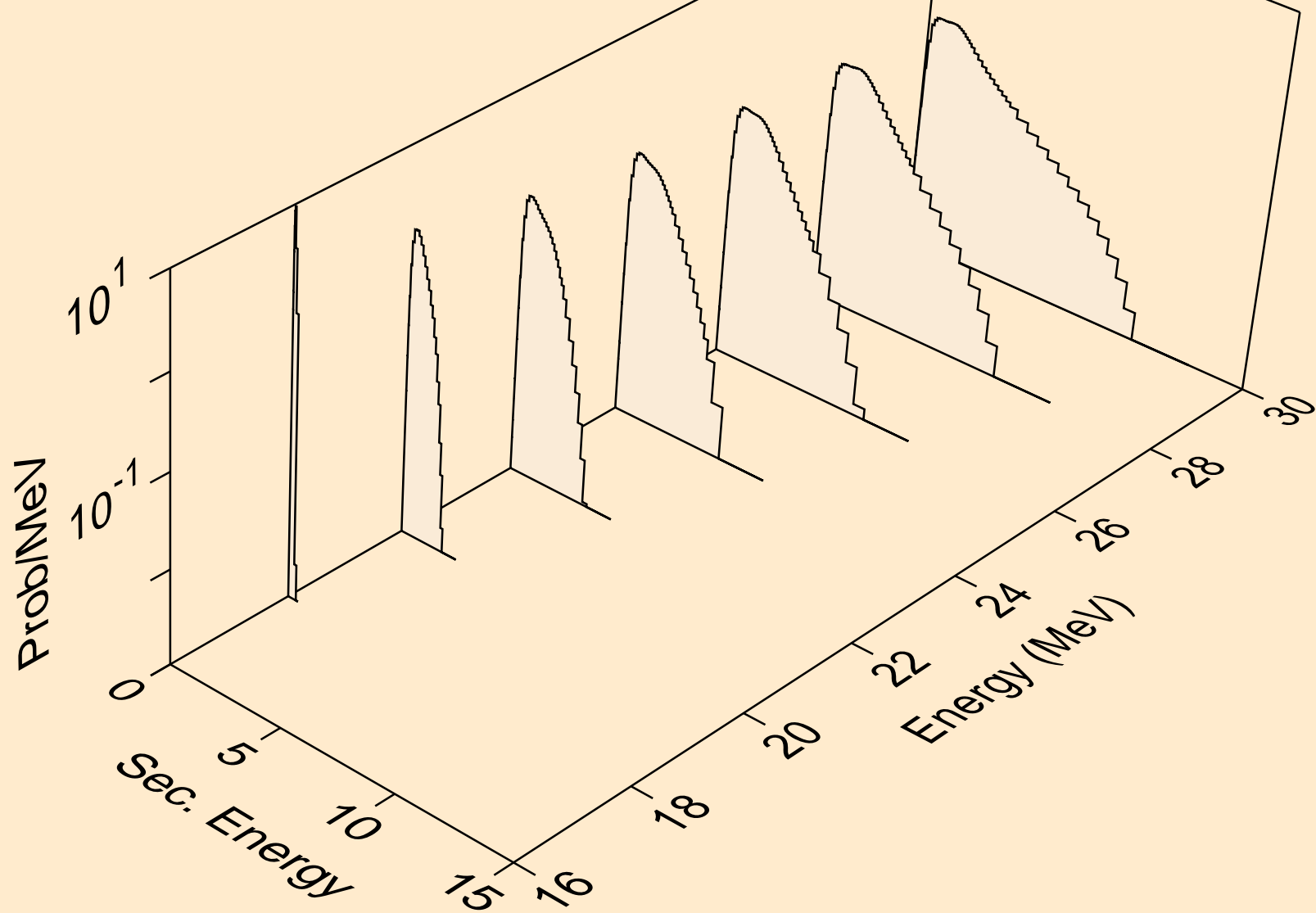
NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



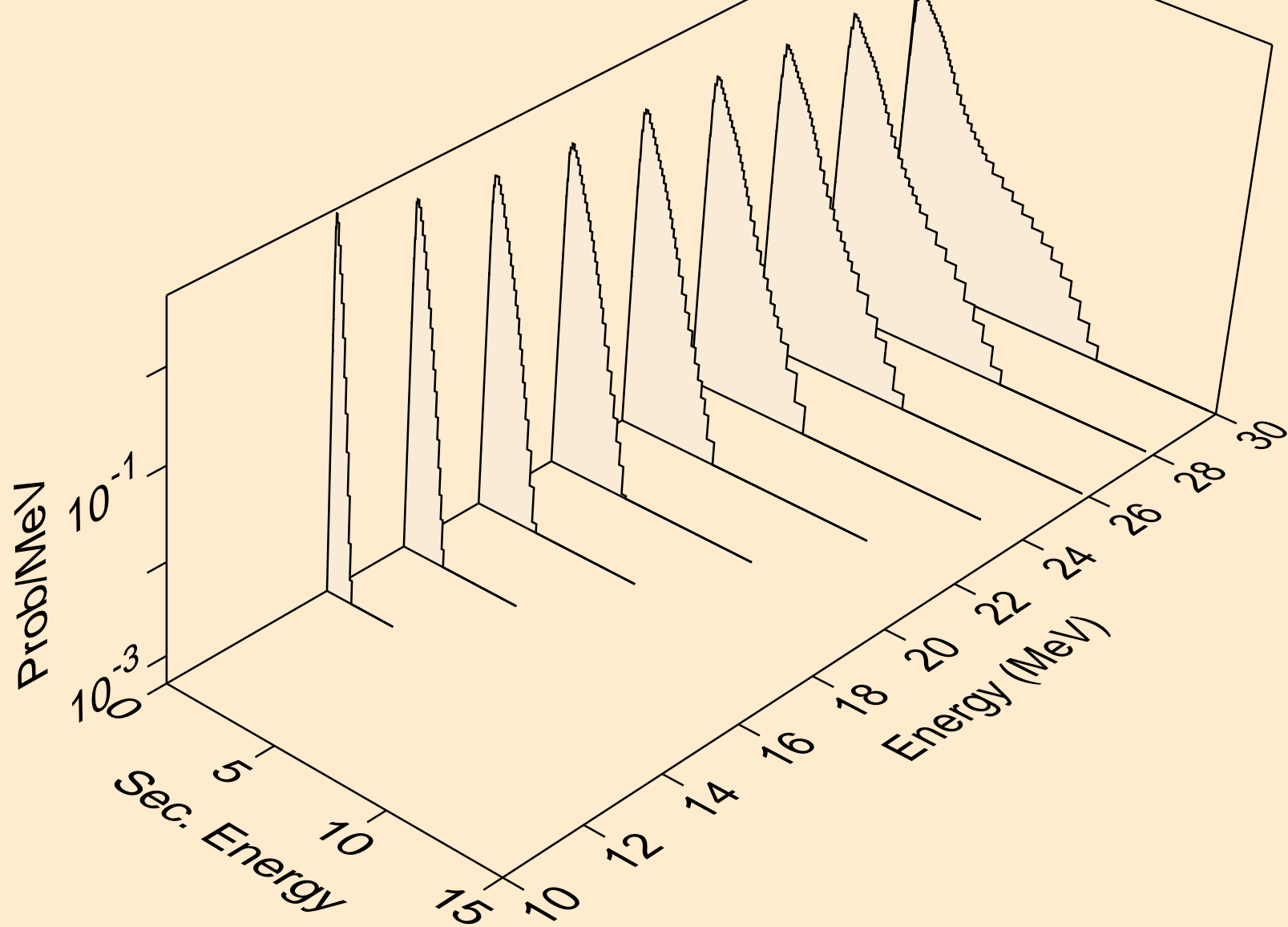
NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



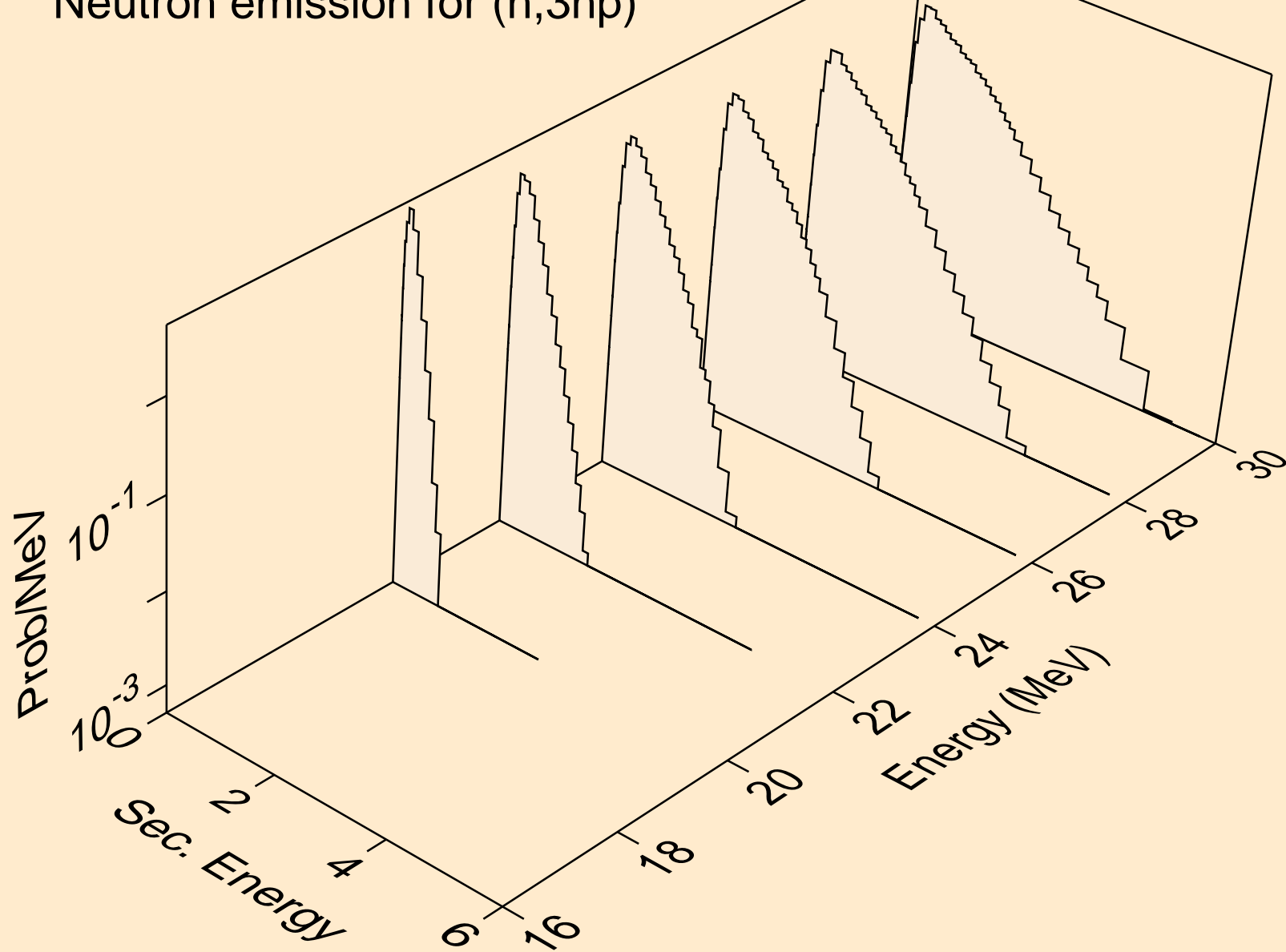
NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,4n)



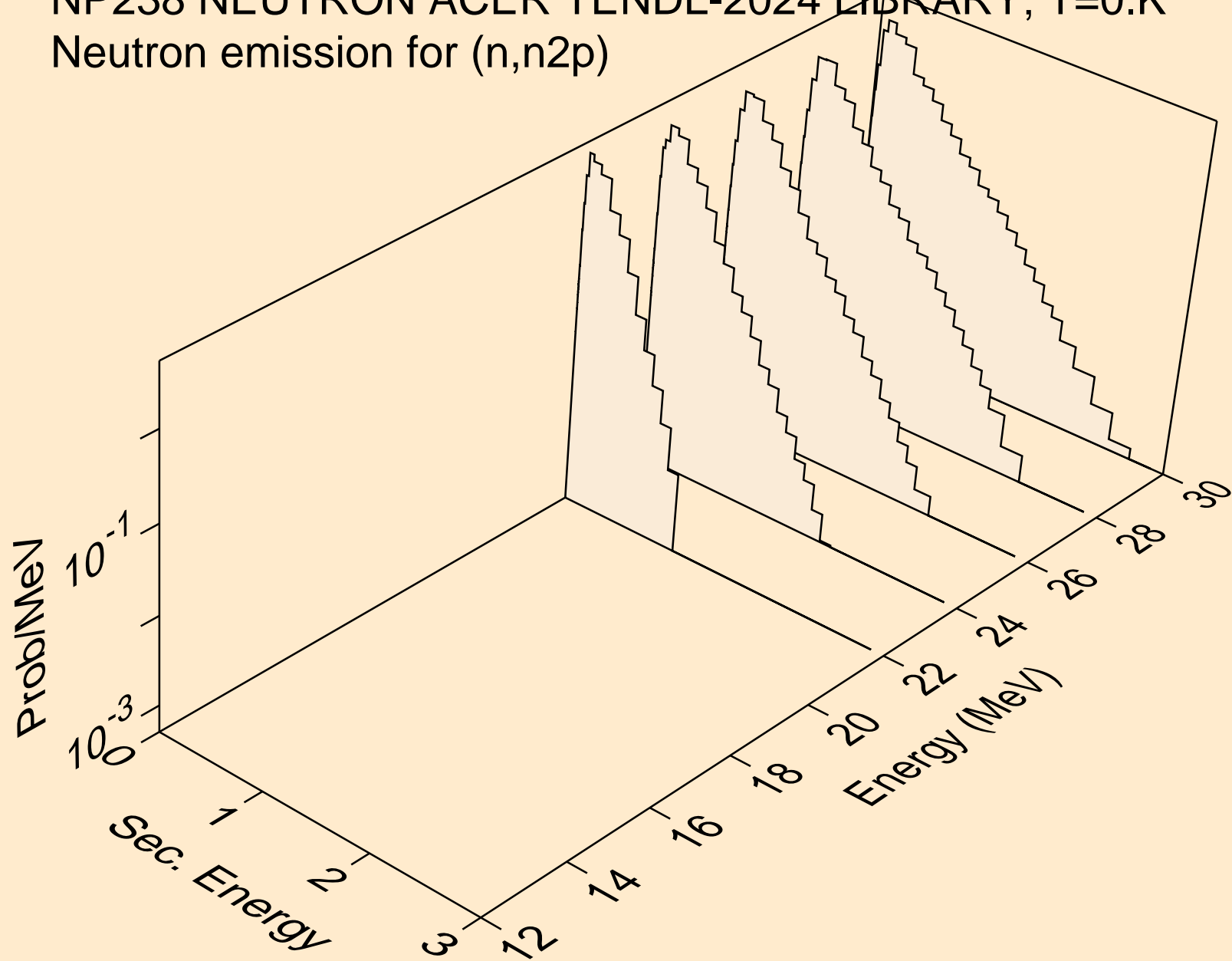
NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2np)



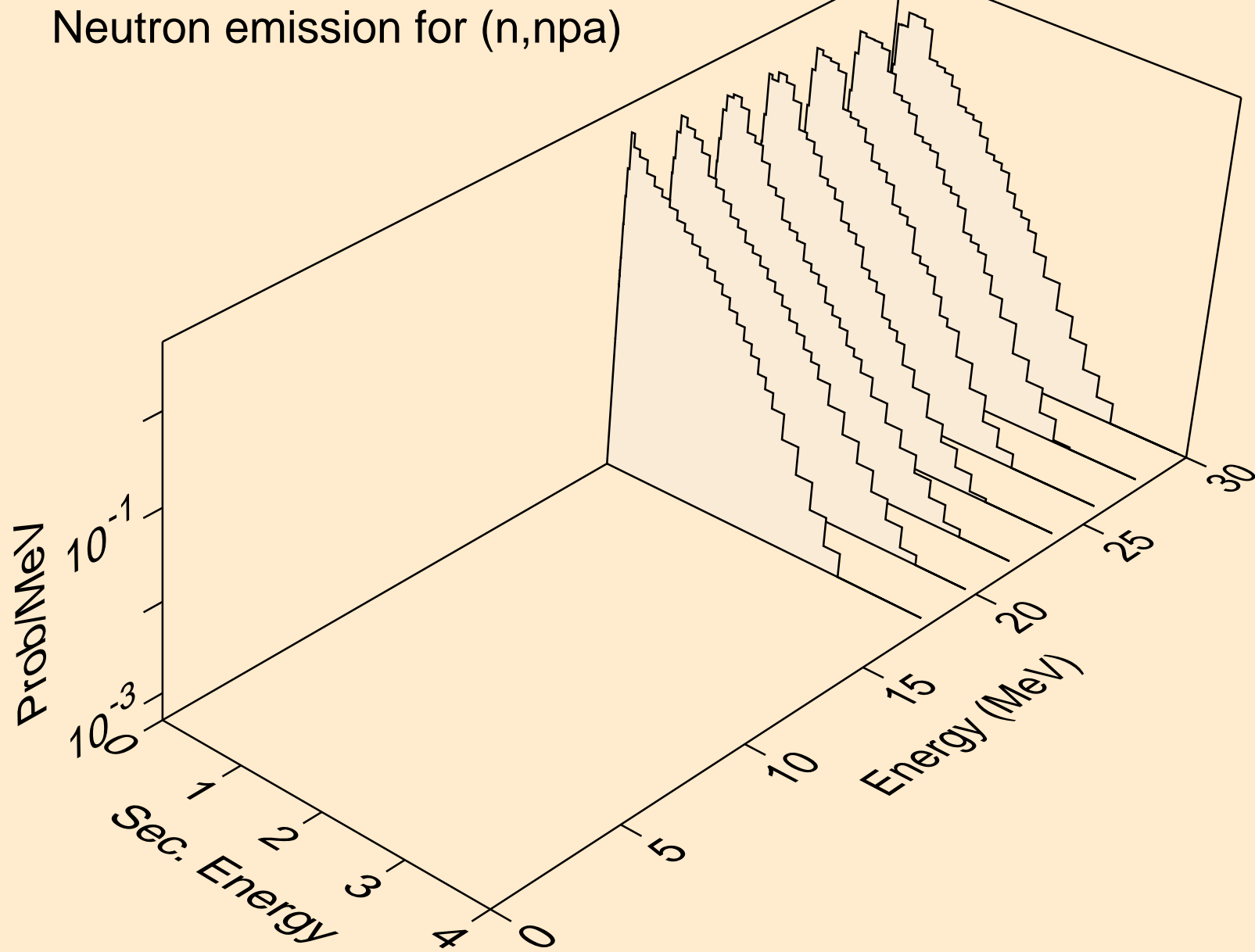
NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3np)



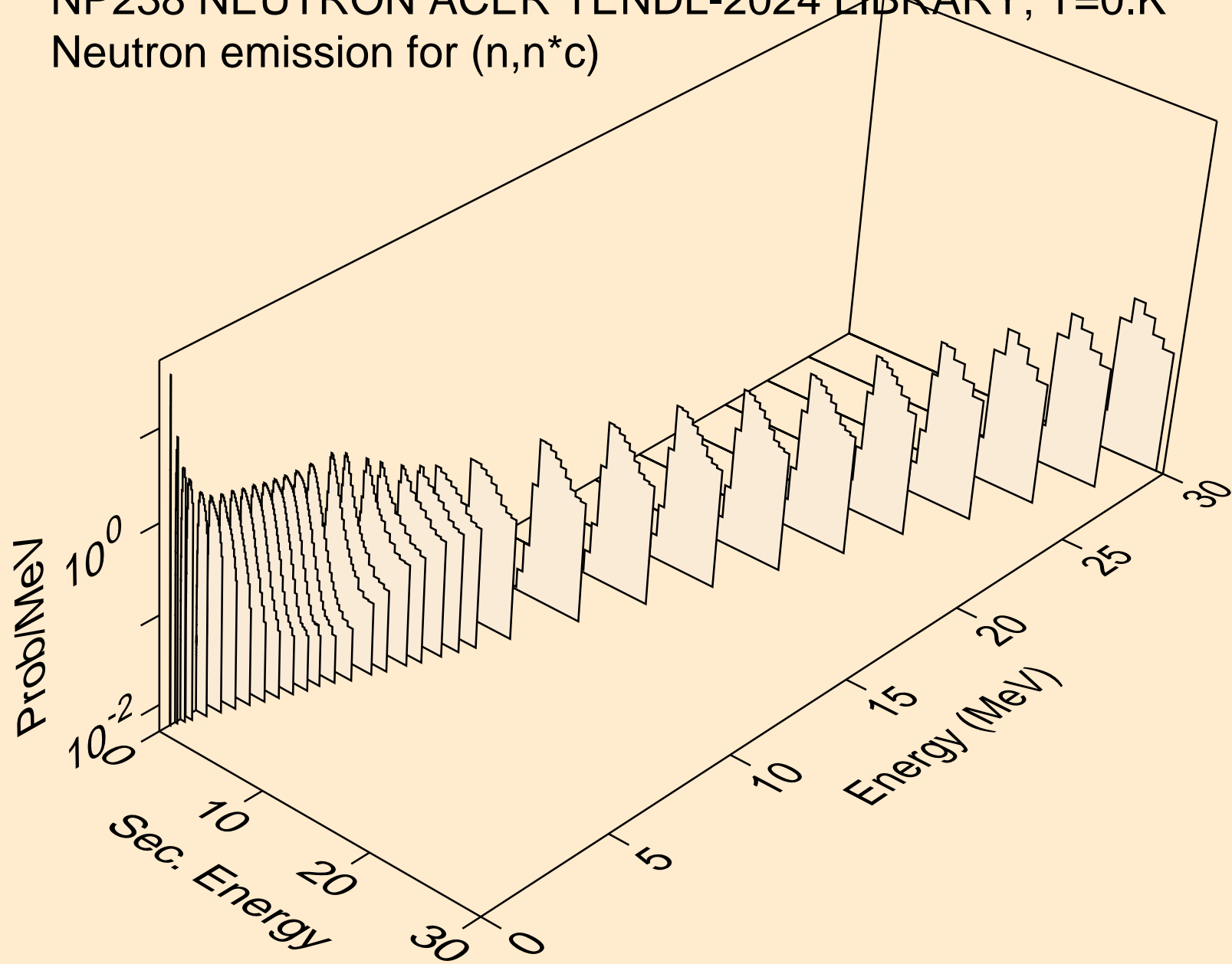
NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n2p)



NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,npa)



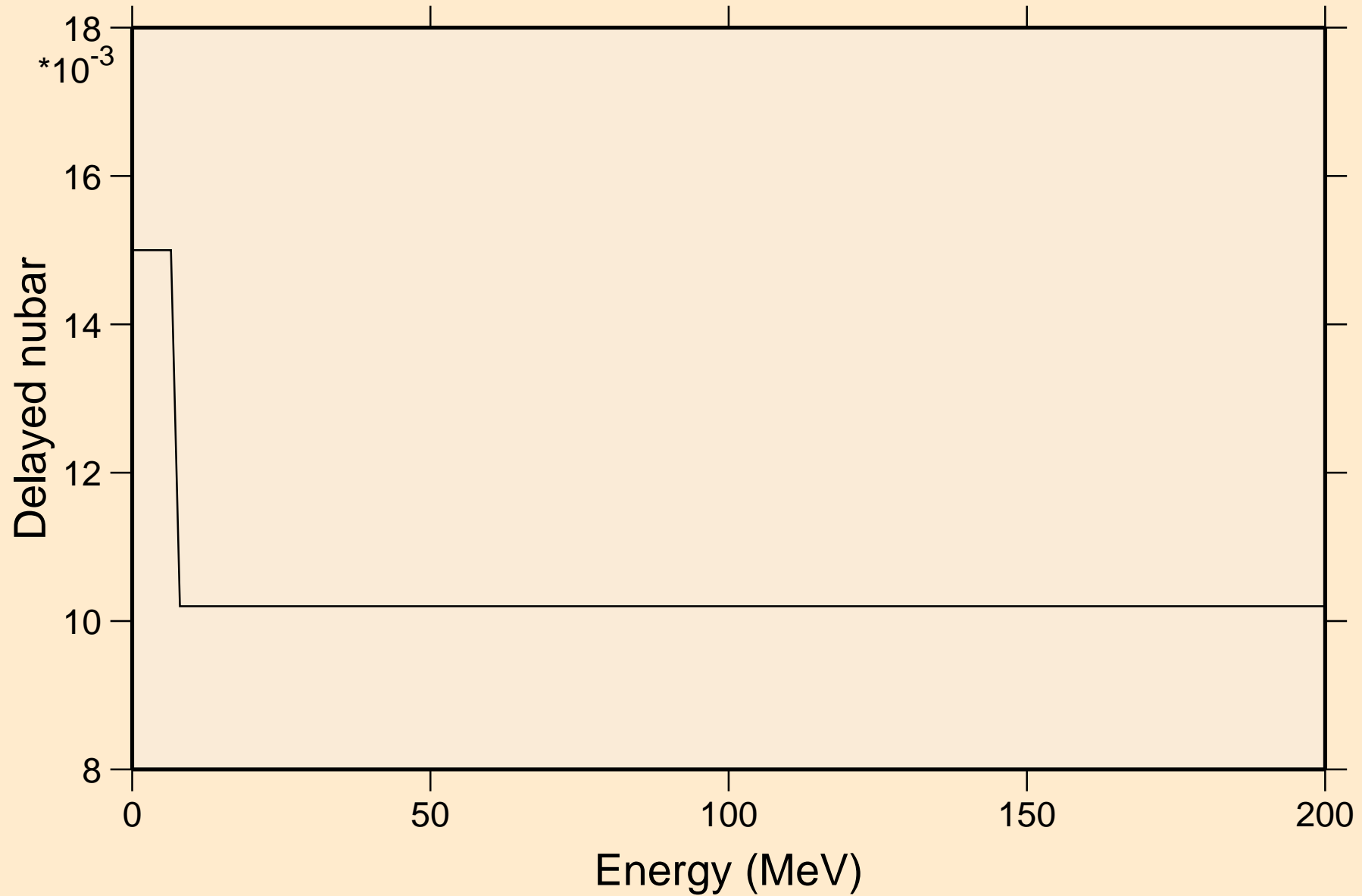
NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)





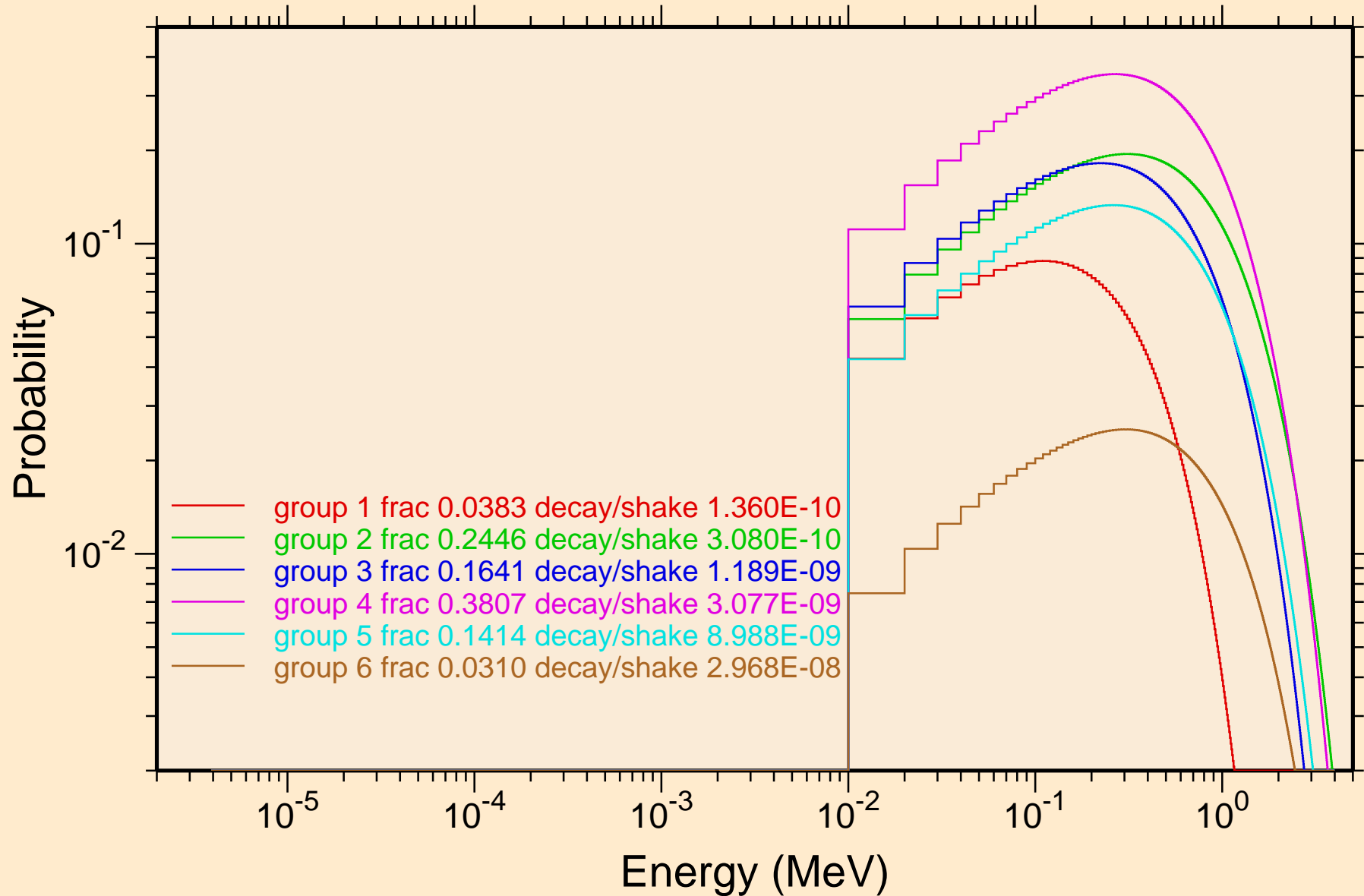
# NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Delayed nubar

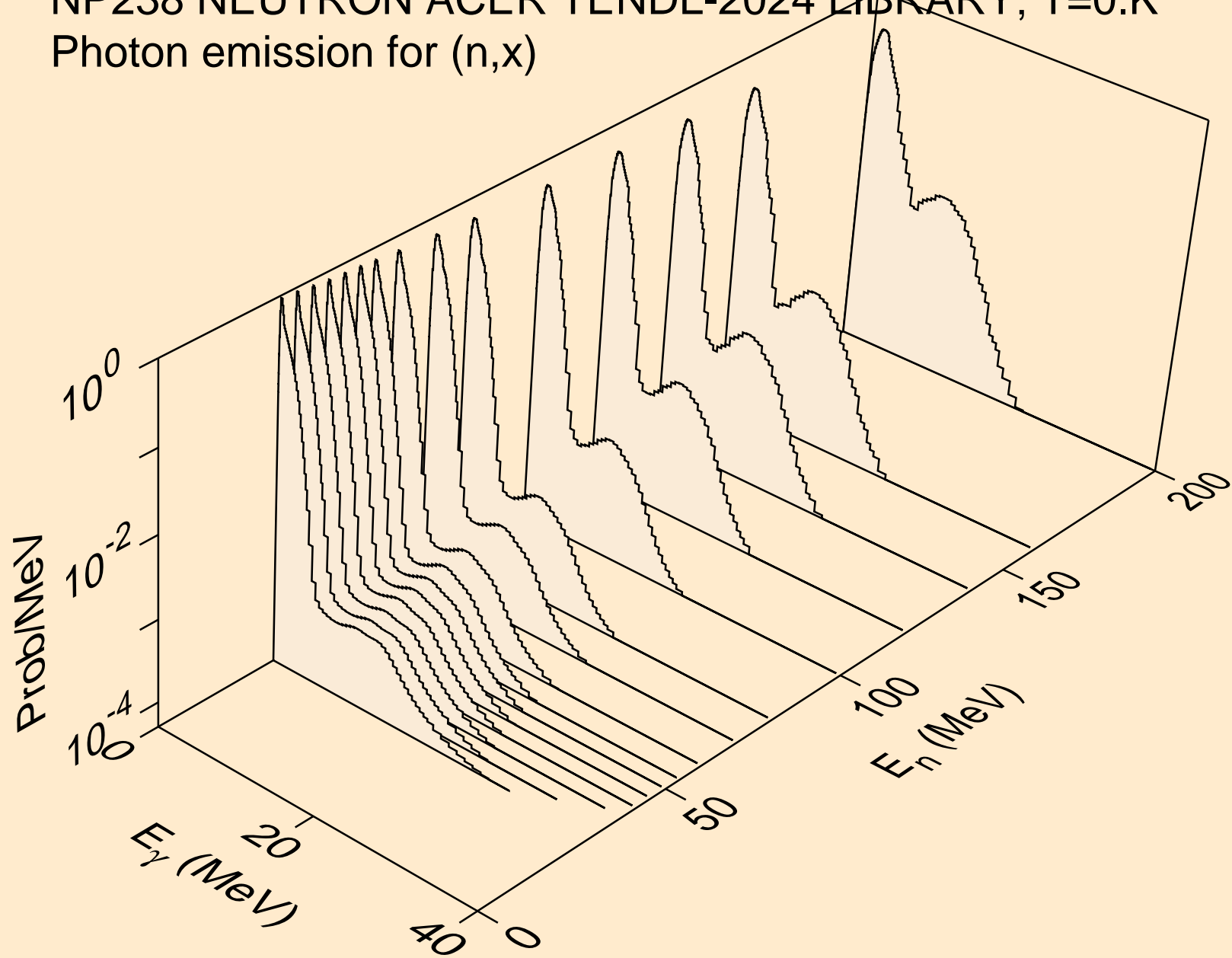


# NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

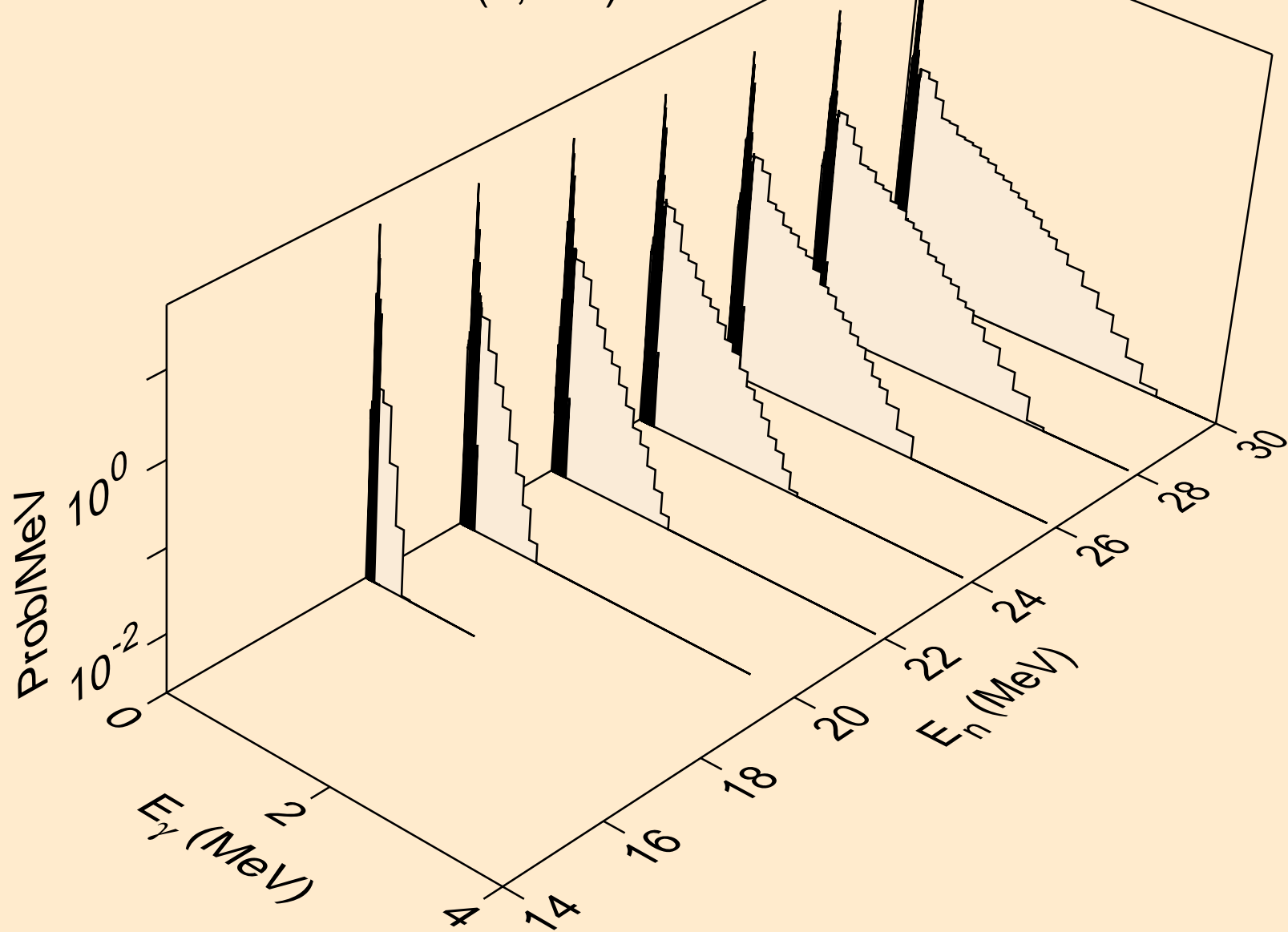
## Delayed neutron spectra



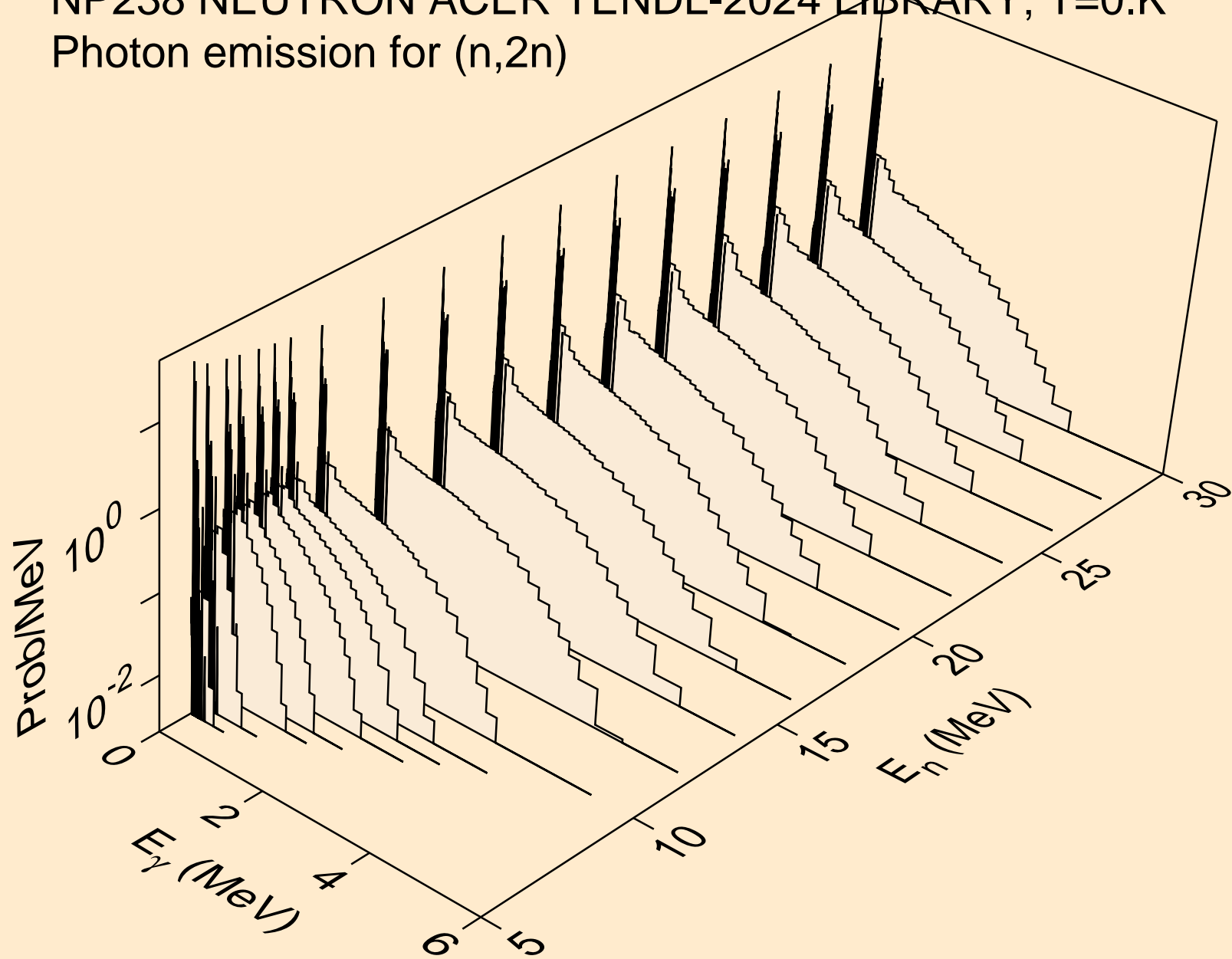
NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,x)



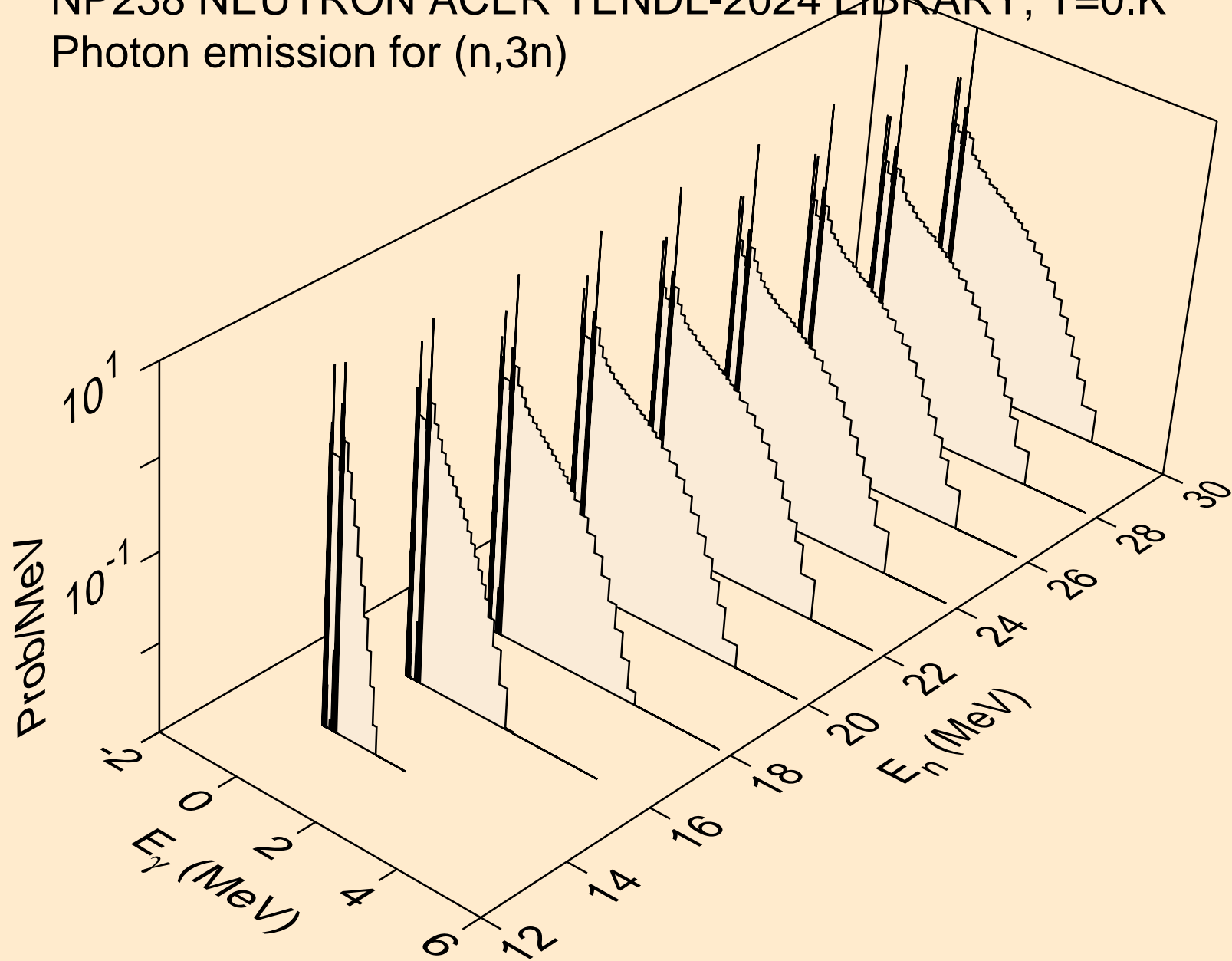
NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2nd)



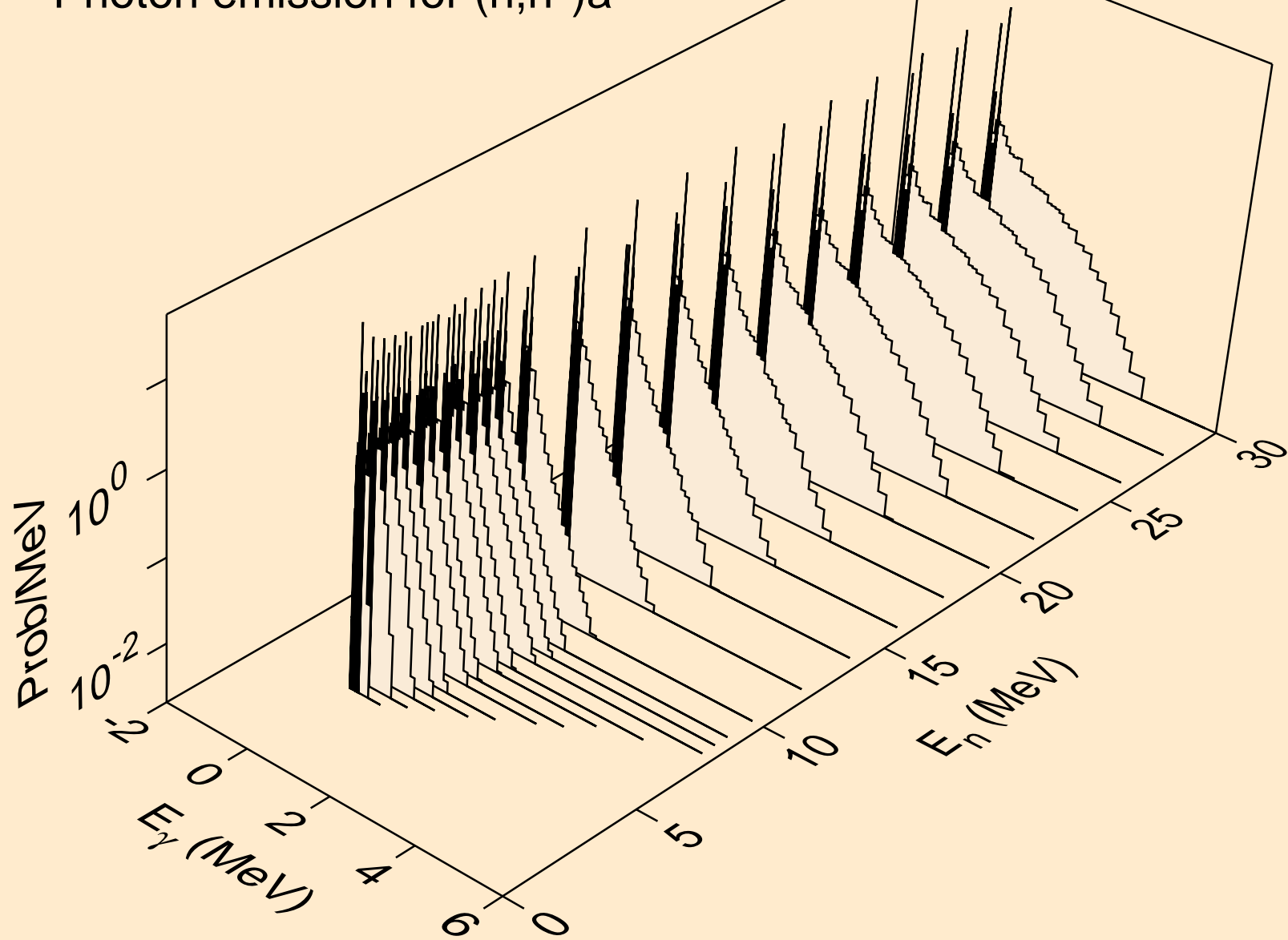
NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)



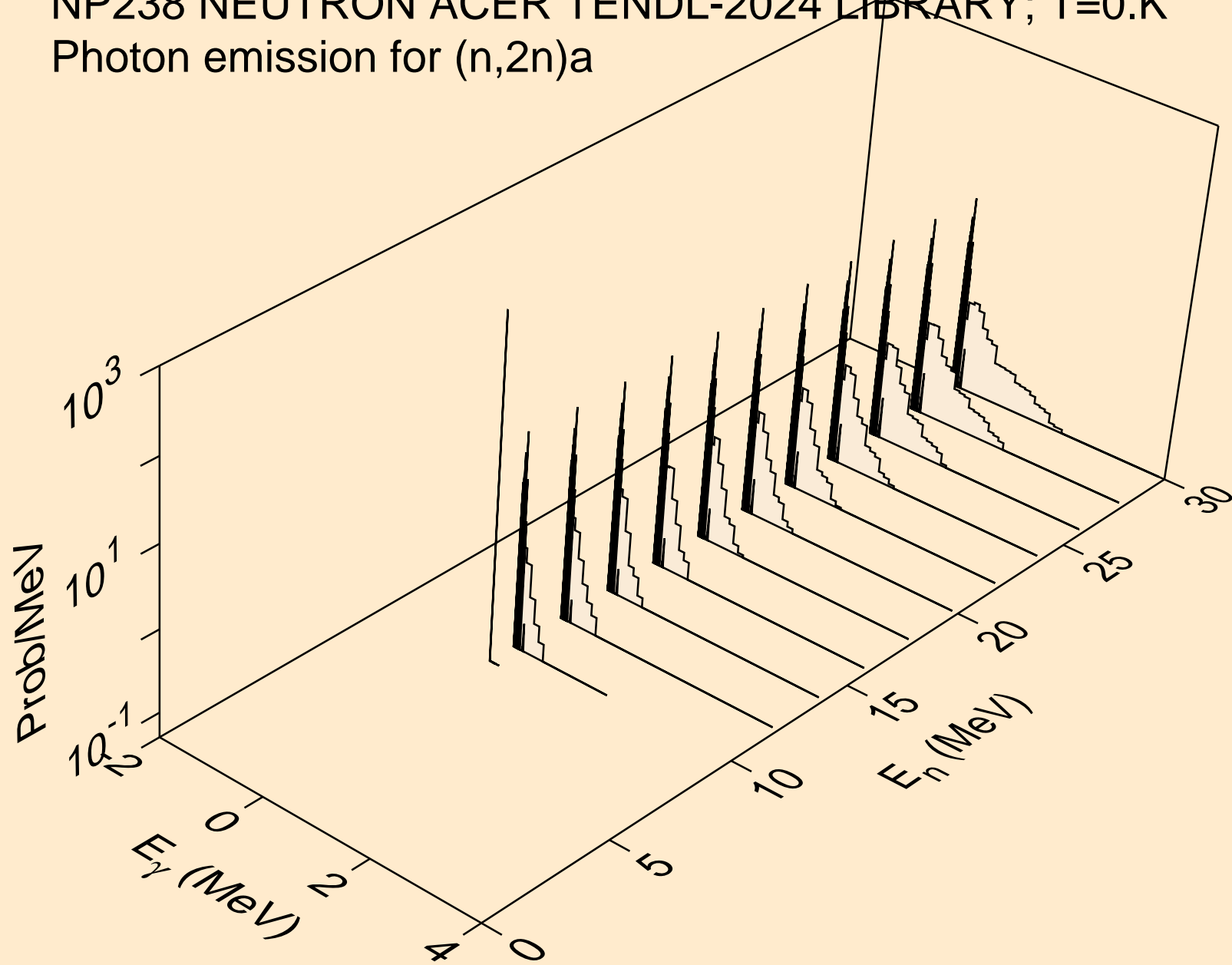
NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)



NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)a

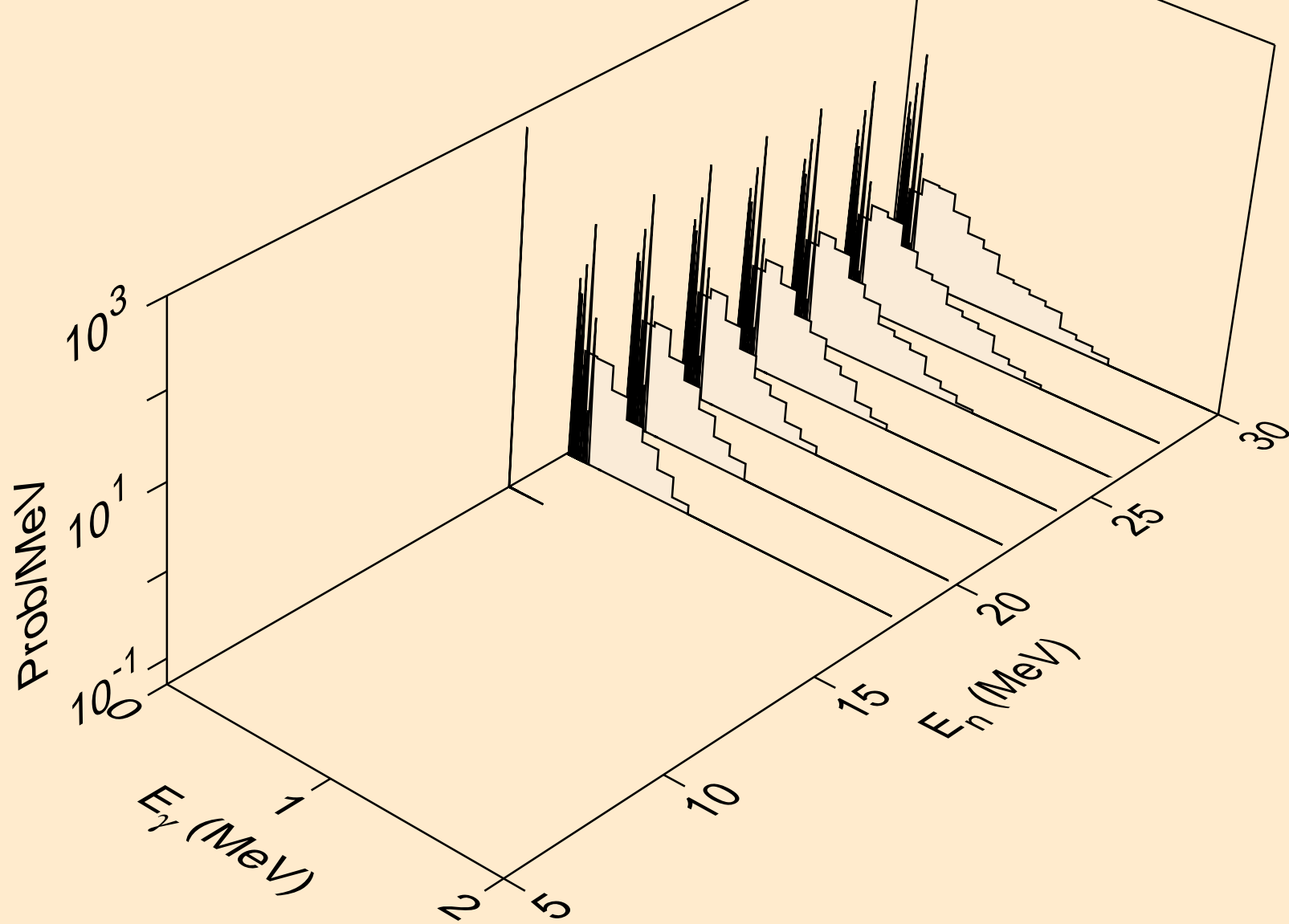


NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)a

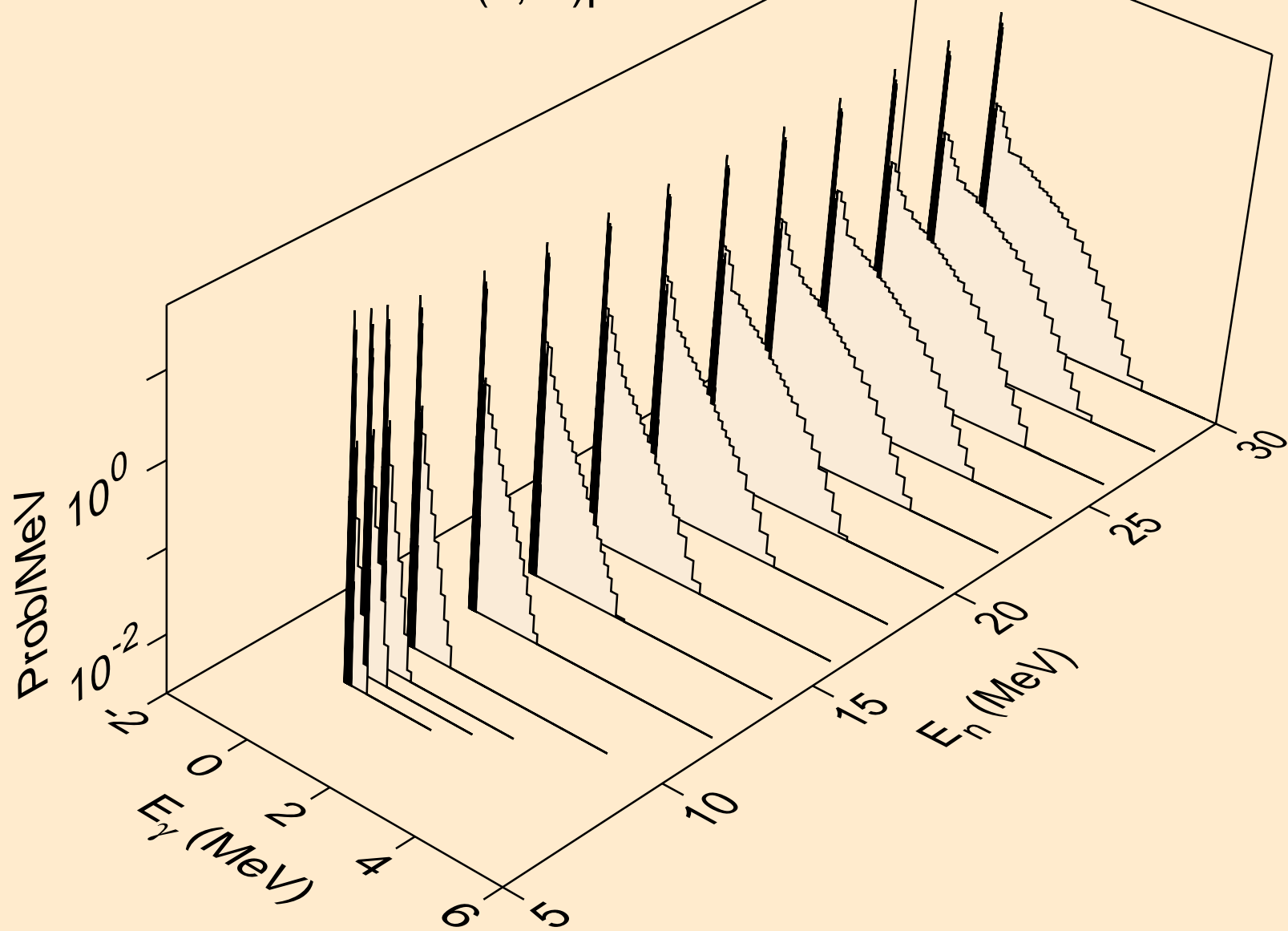




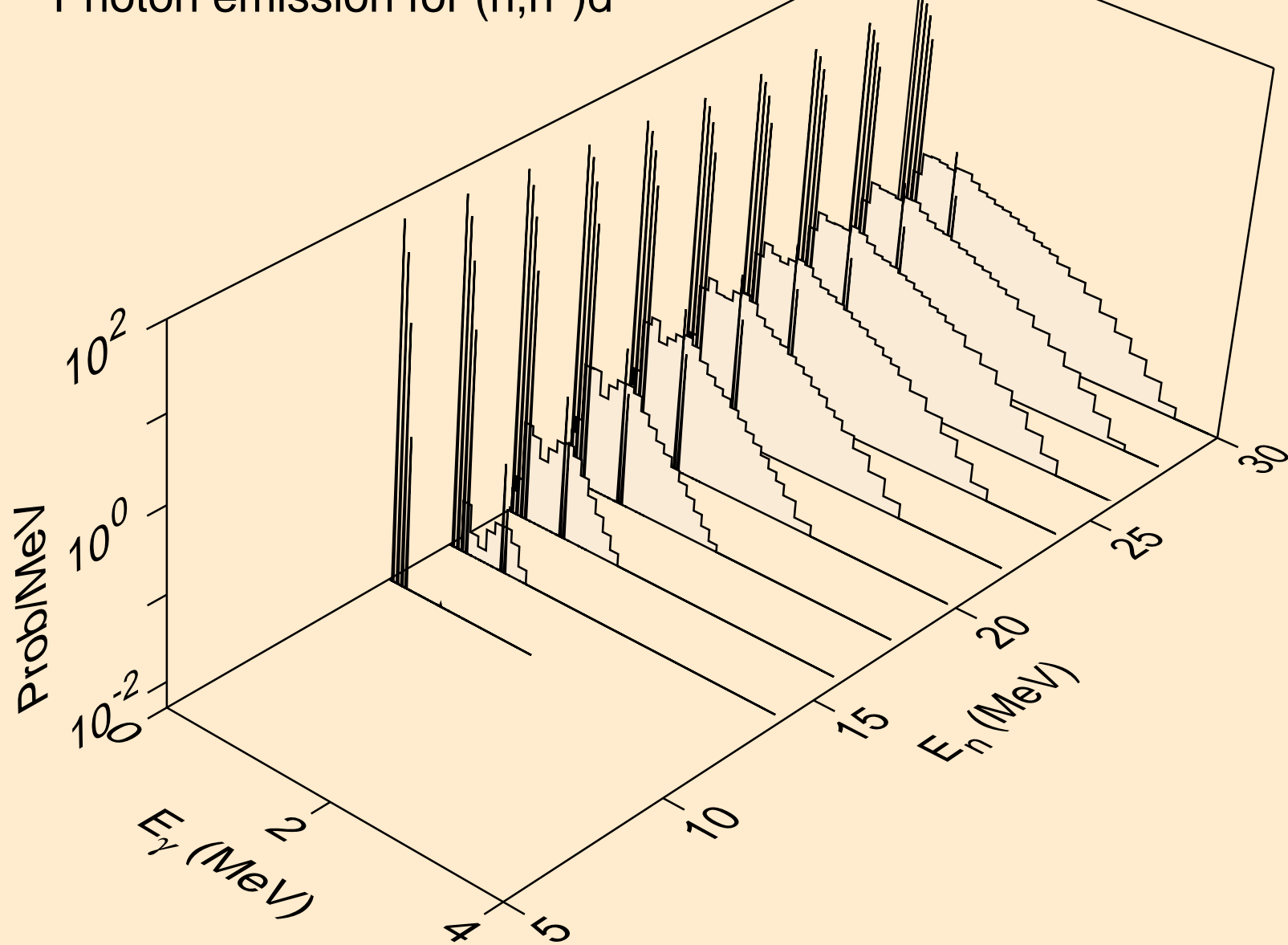
NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)a



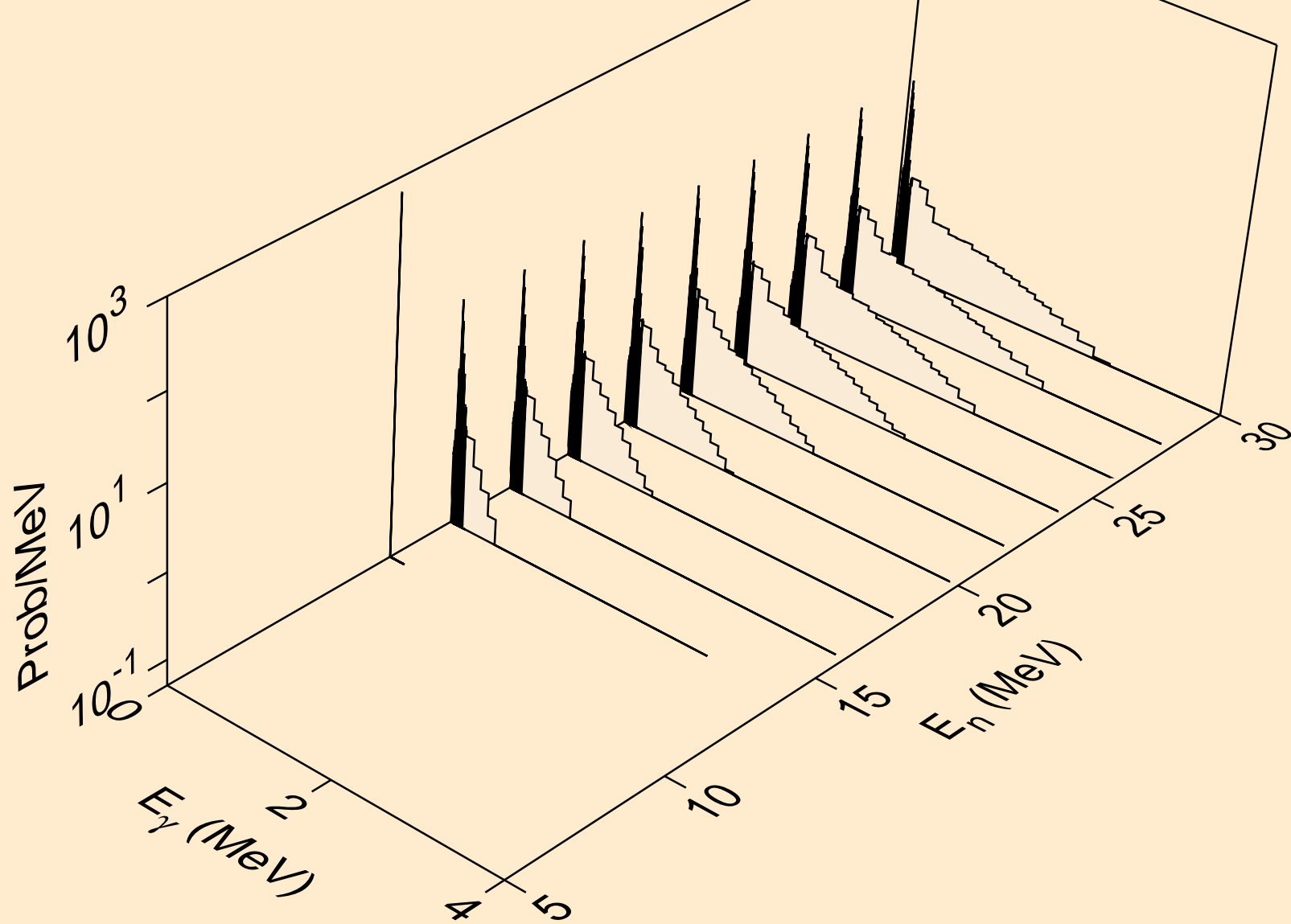
NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



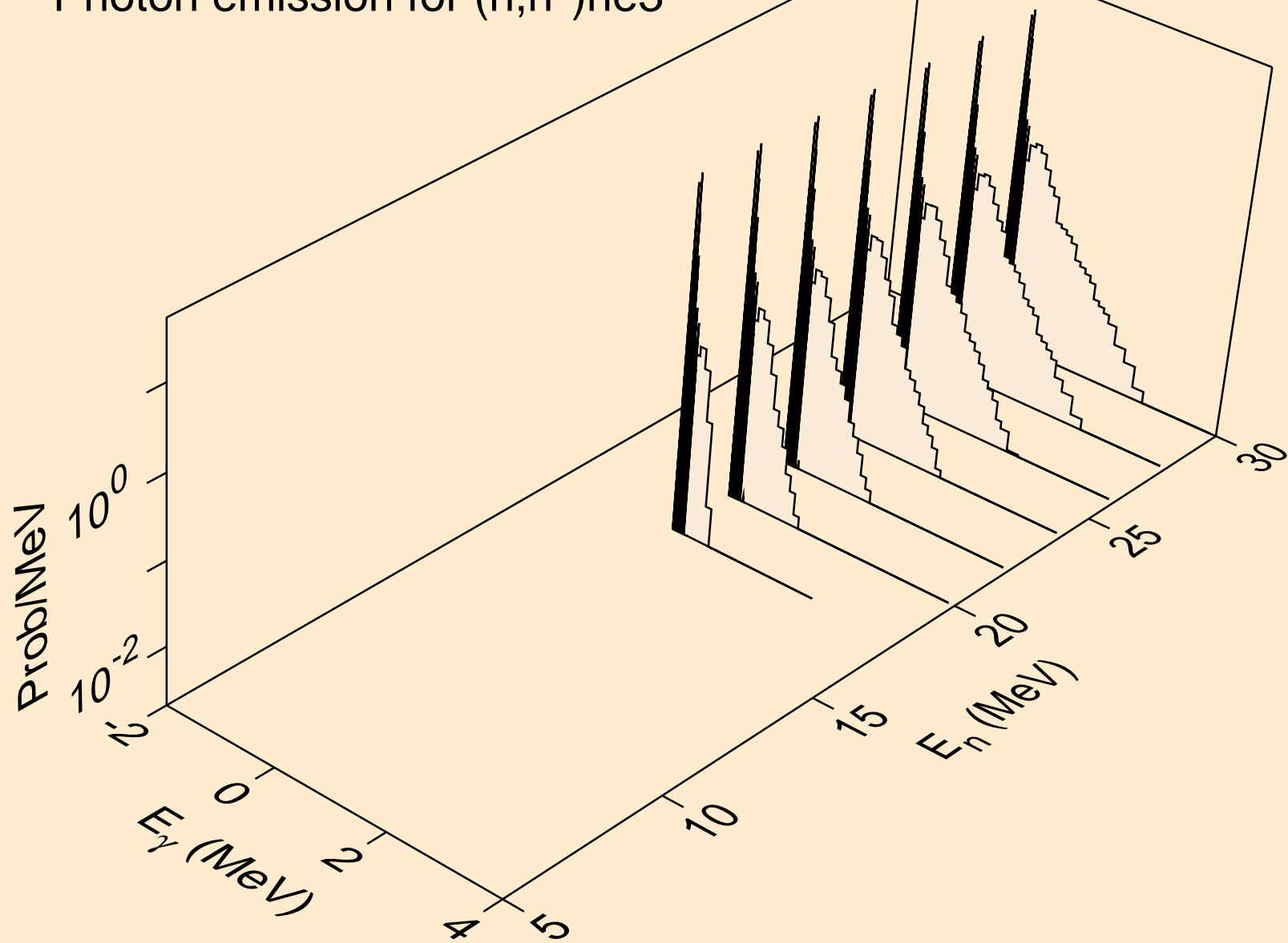
NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



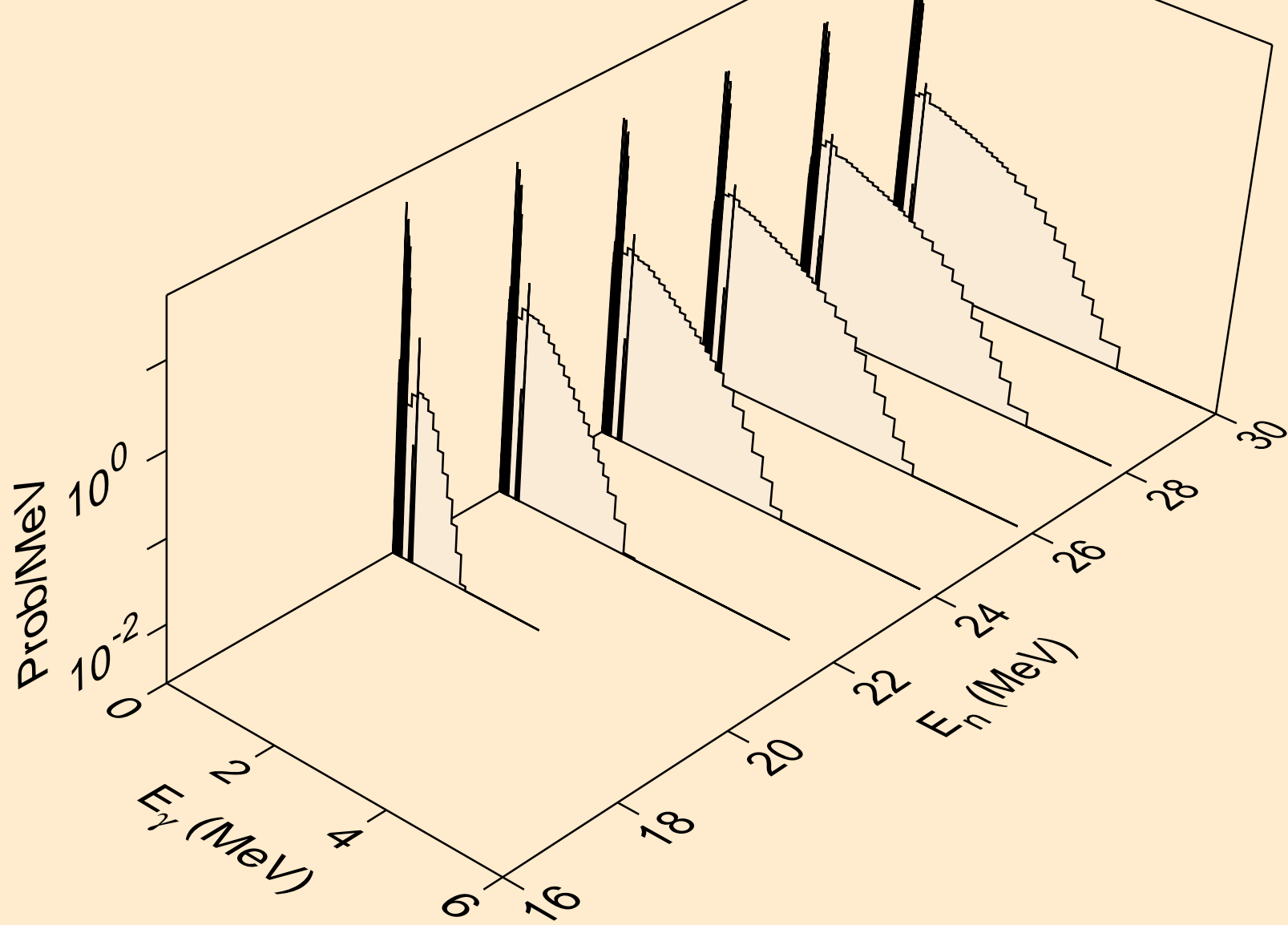
NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



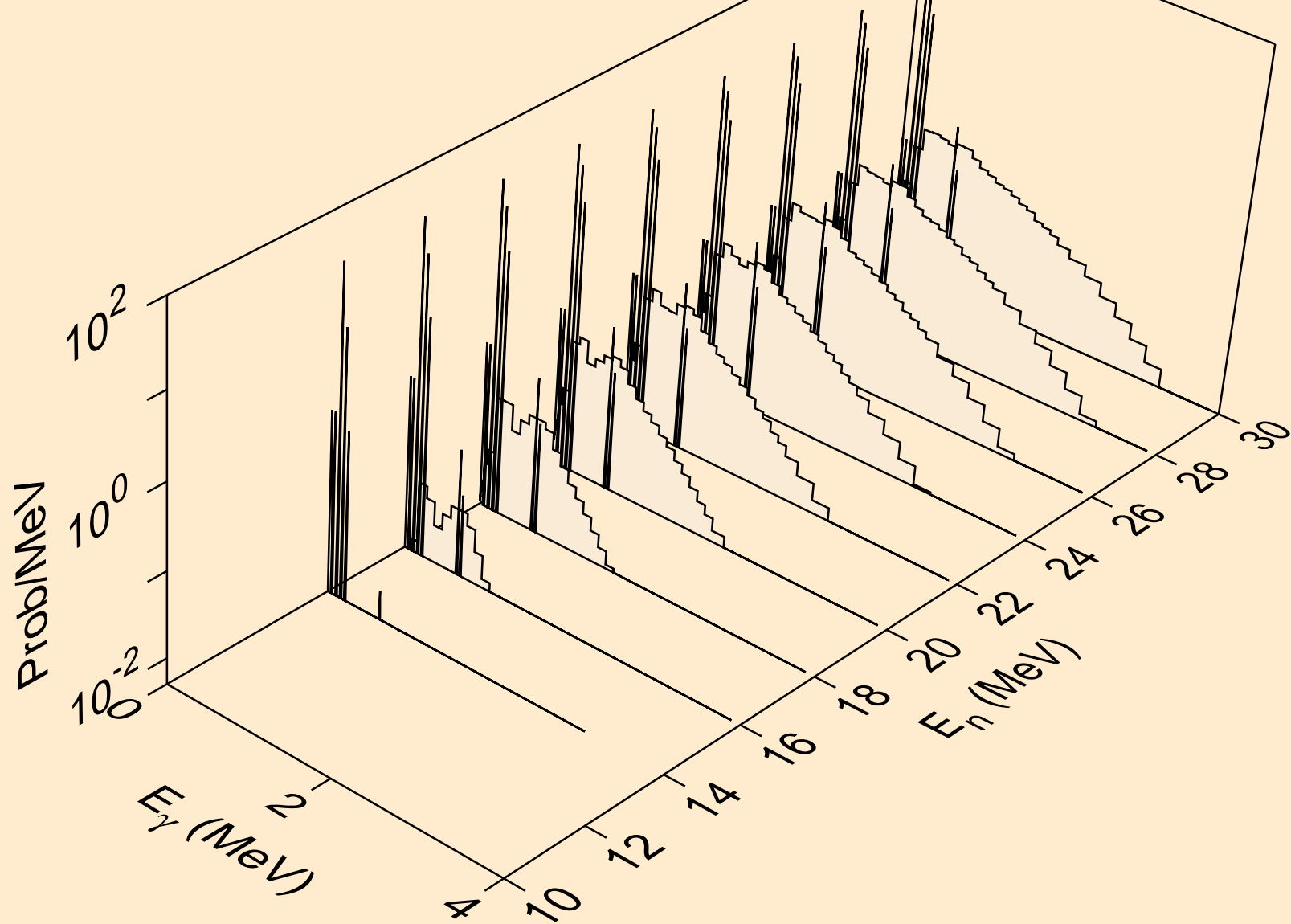
NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



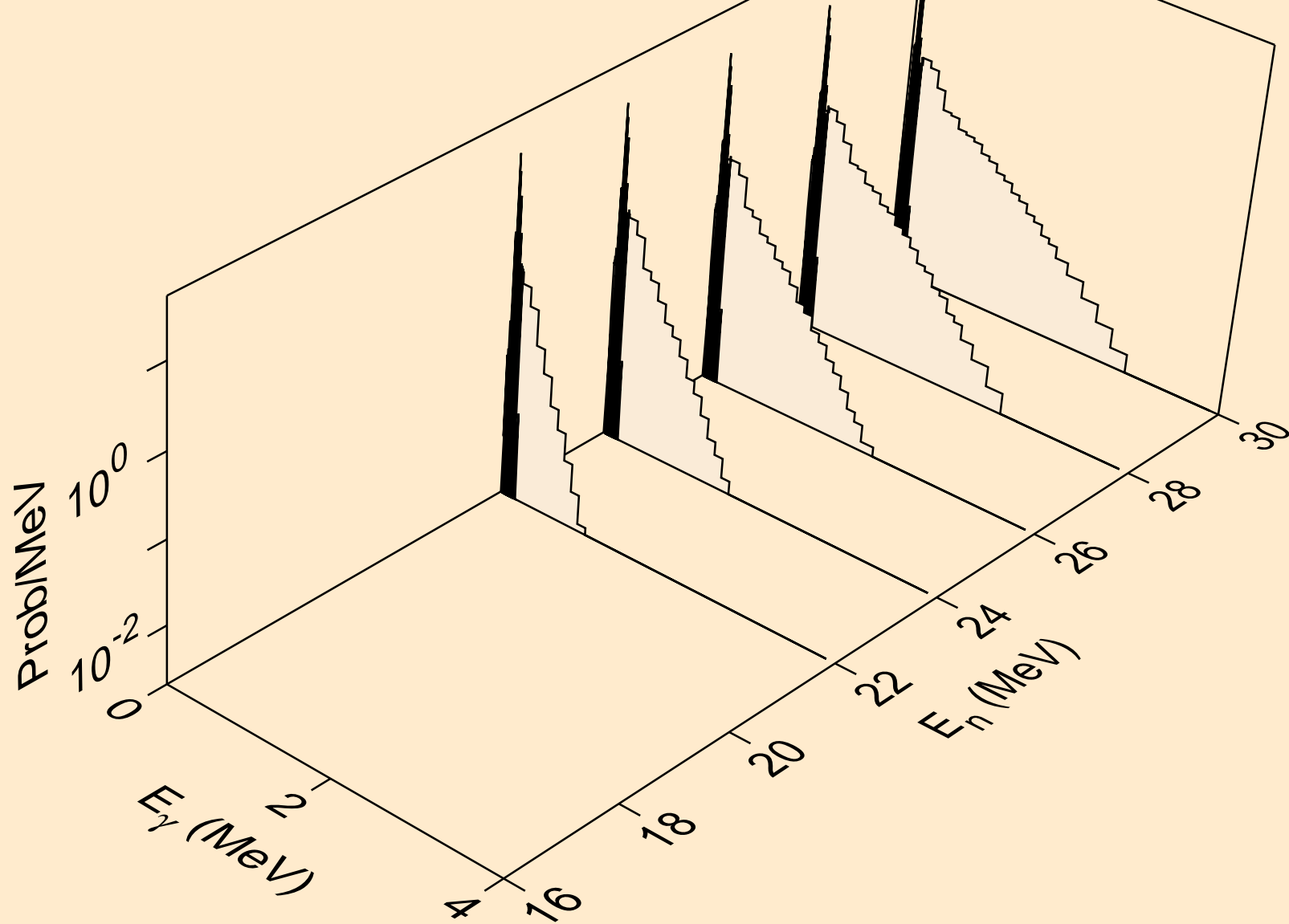
NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,4n)



NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2np)

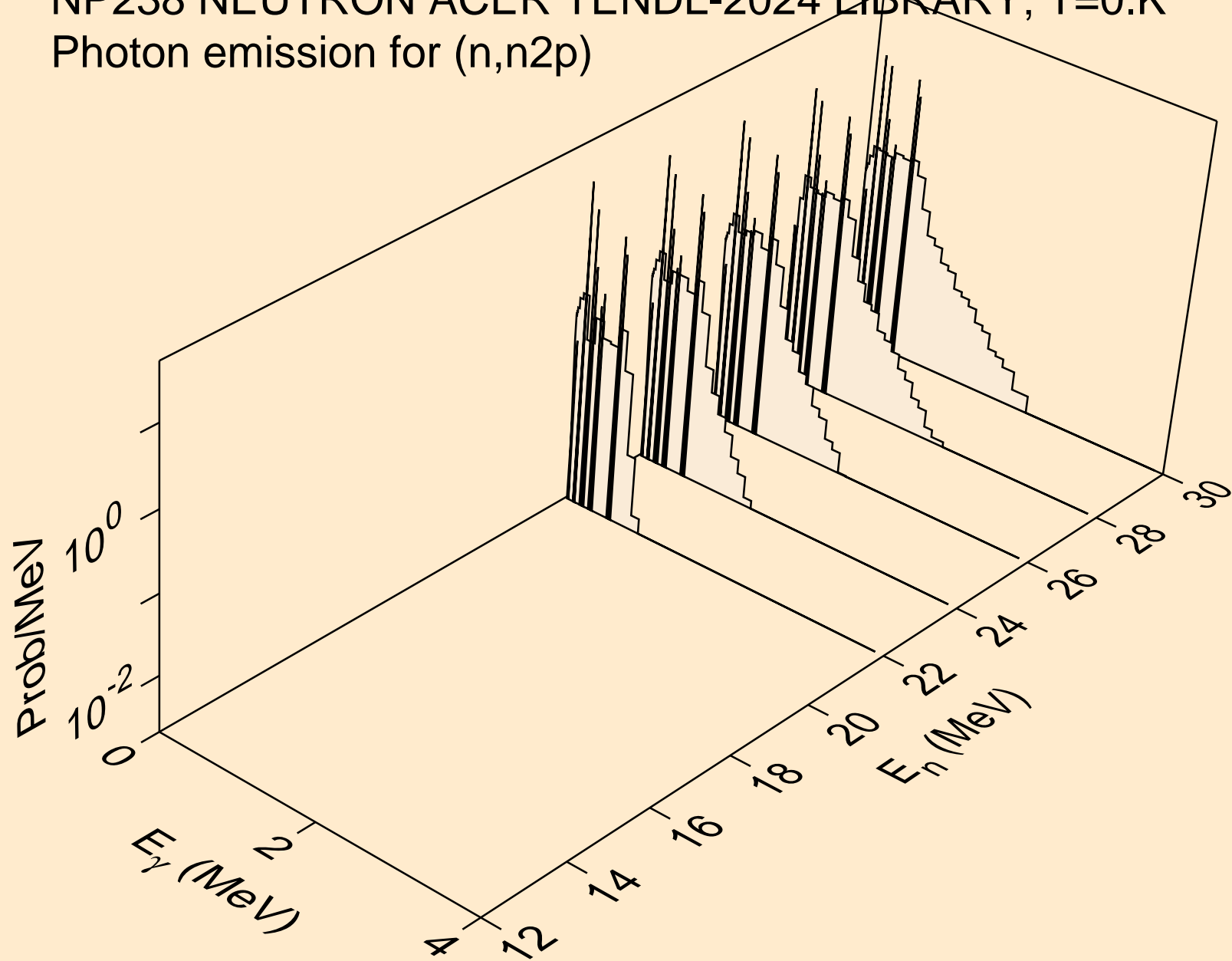


NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3np)

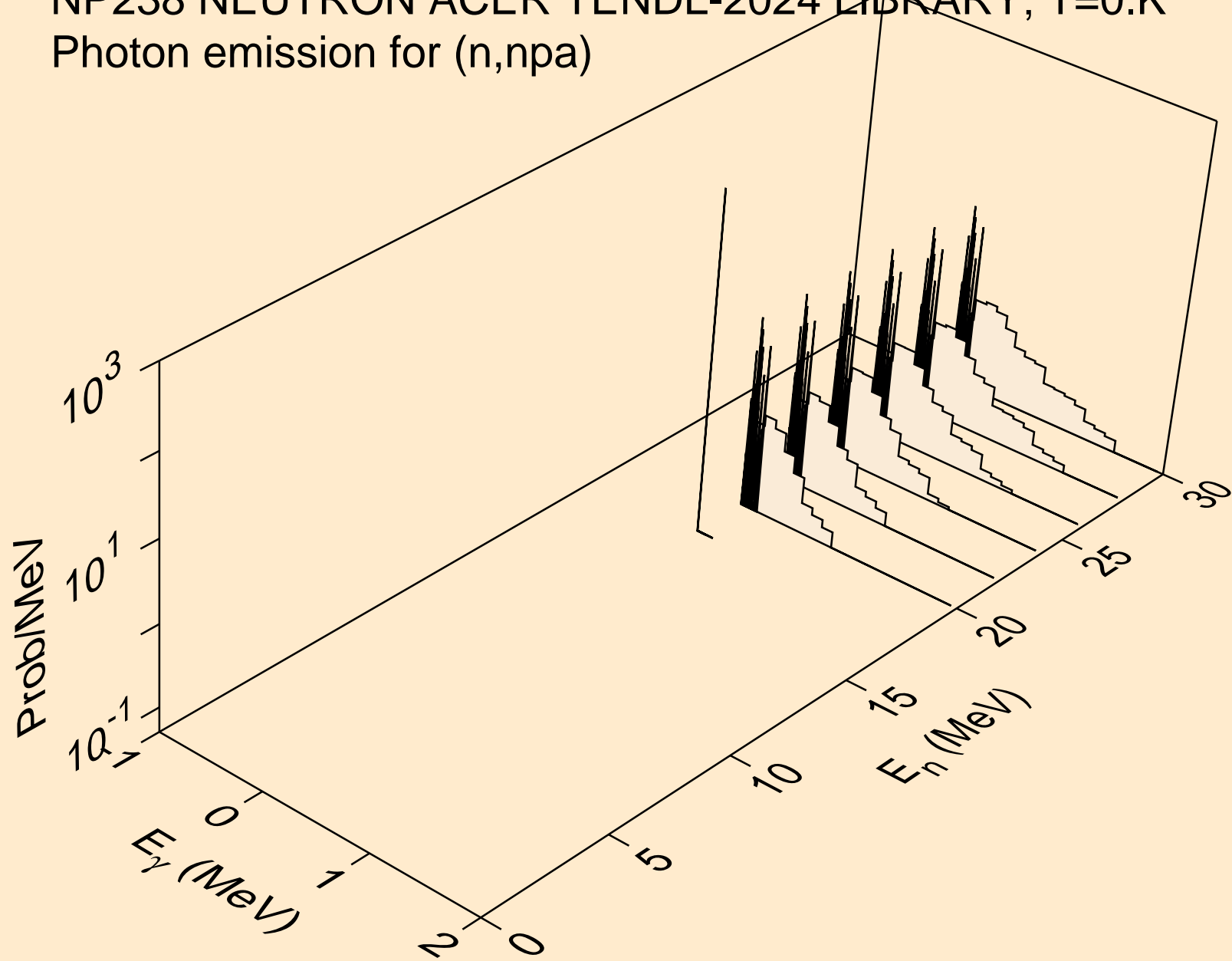




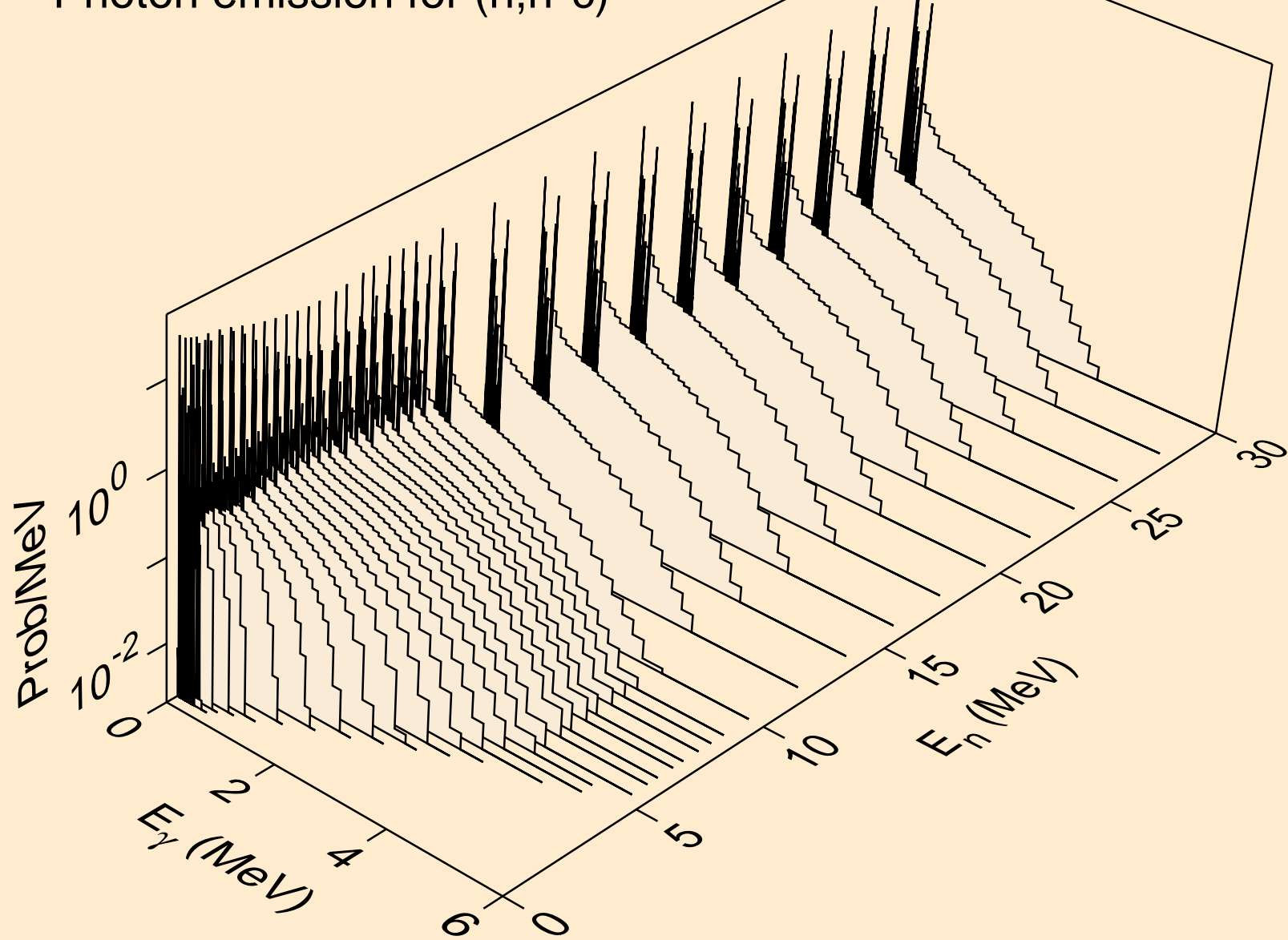
NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n2p)



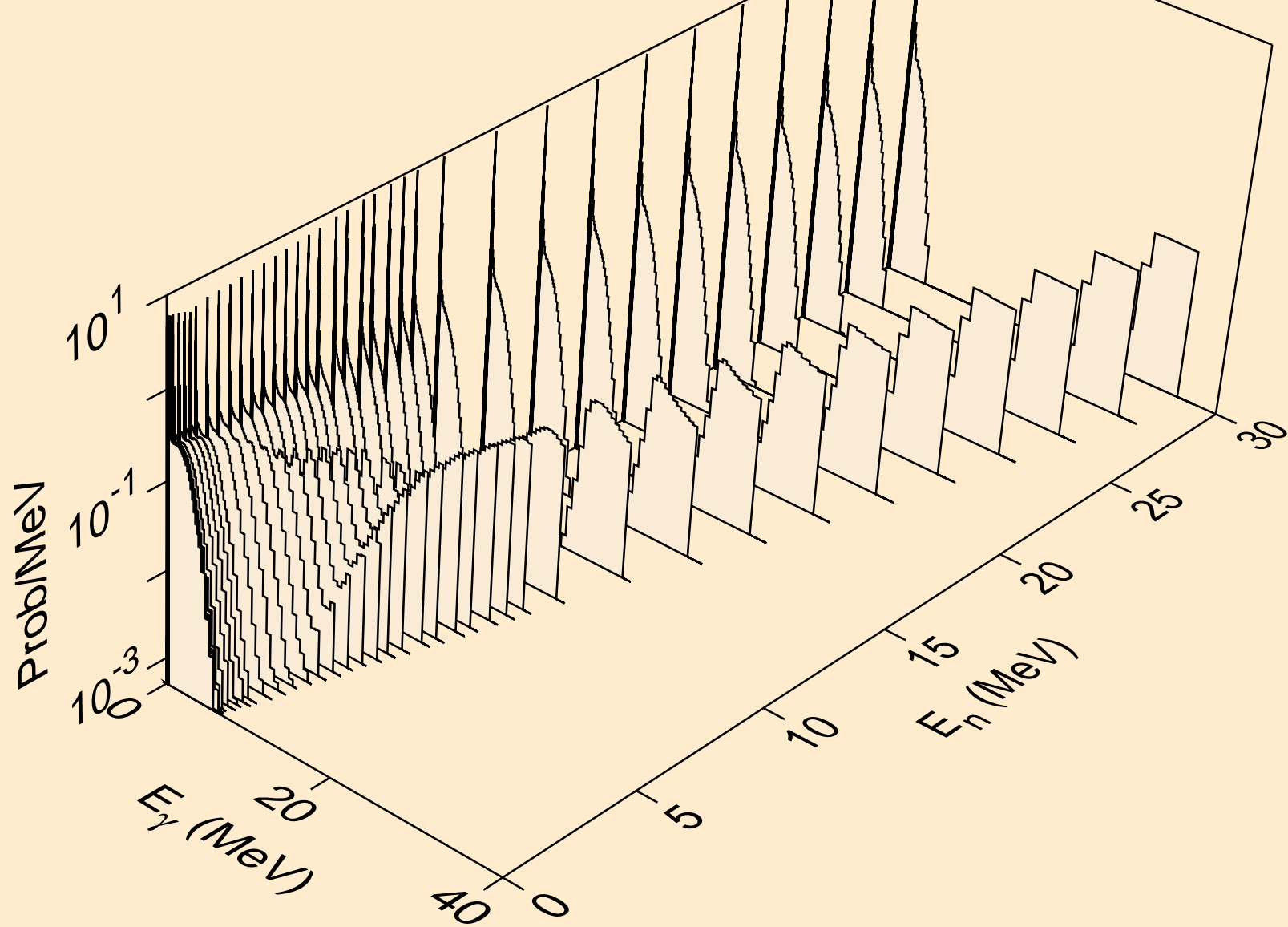
NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,npa)



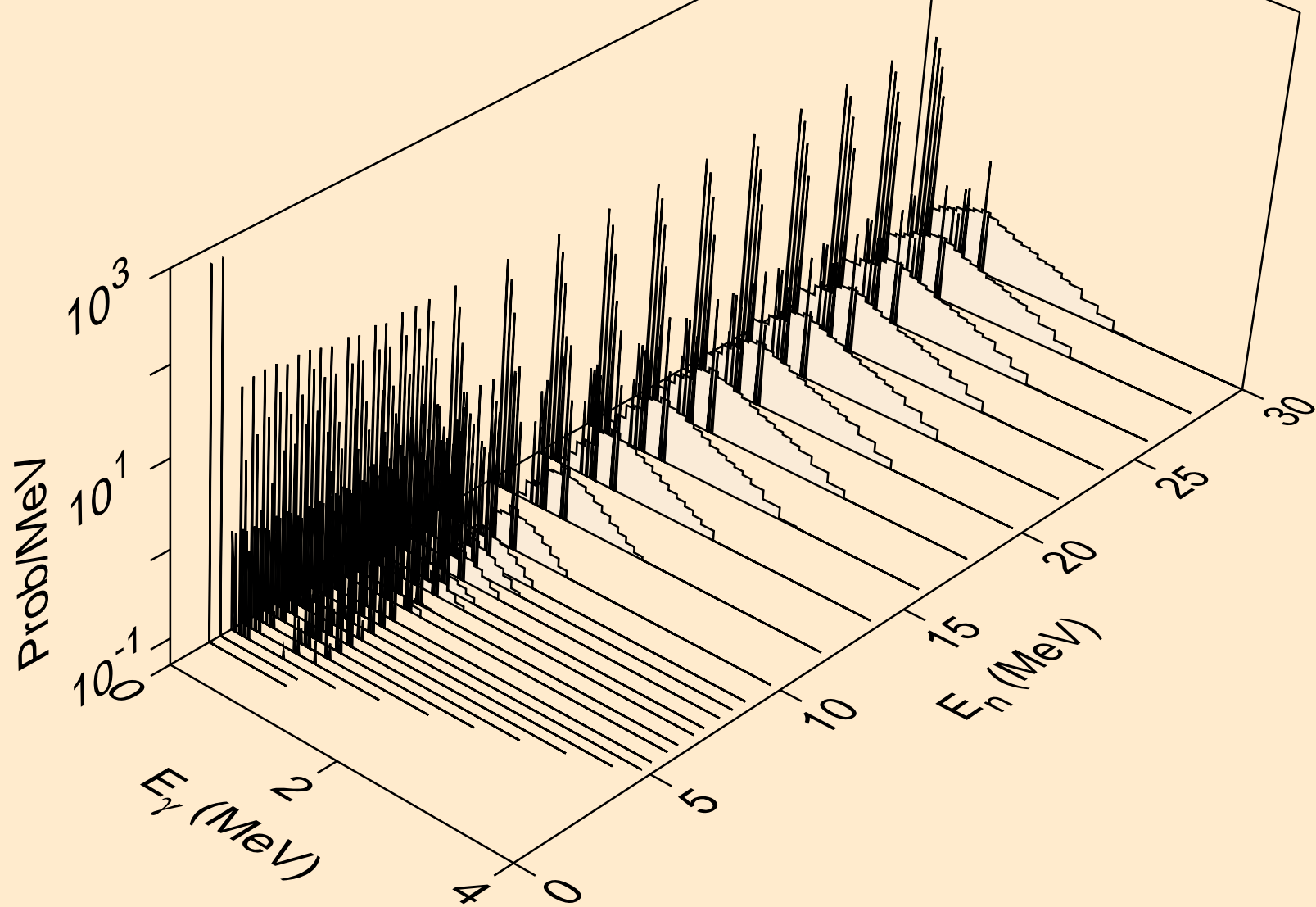
NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*c)



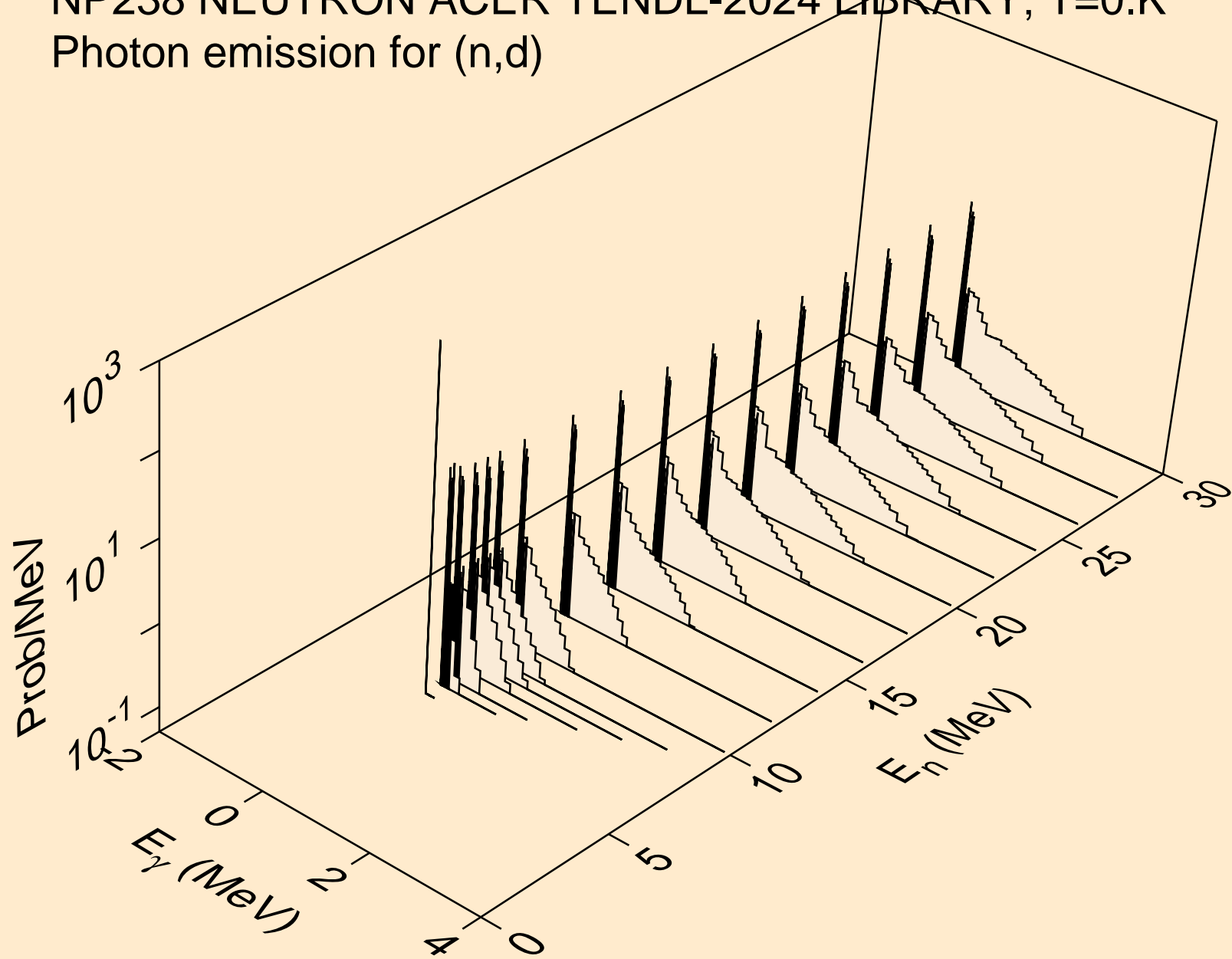
NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,gma)



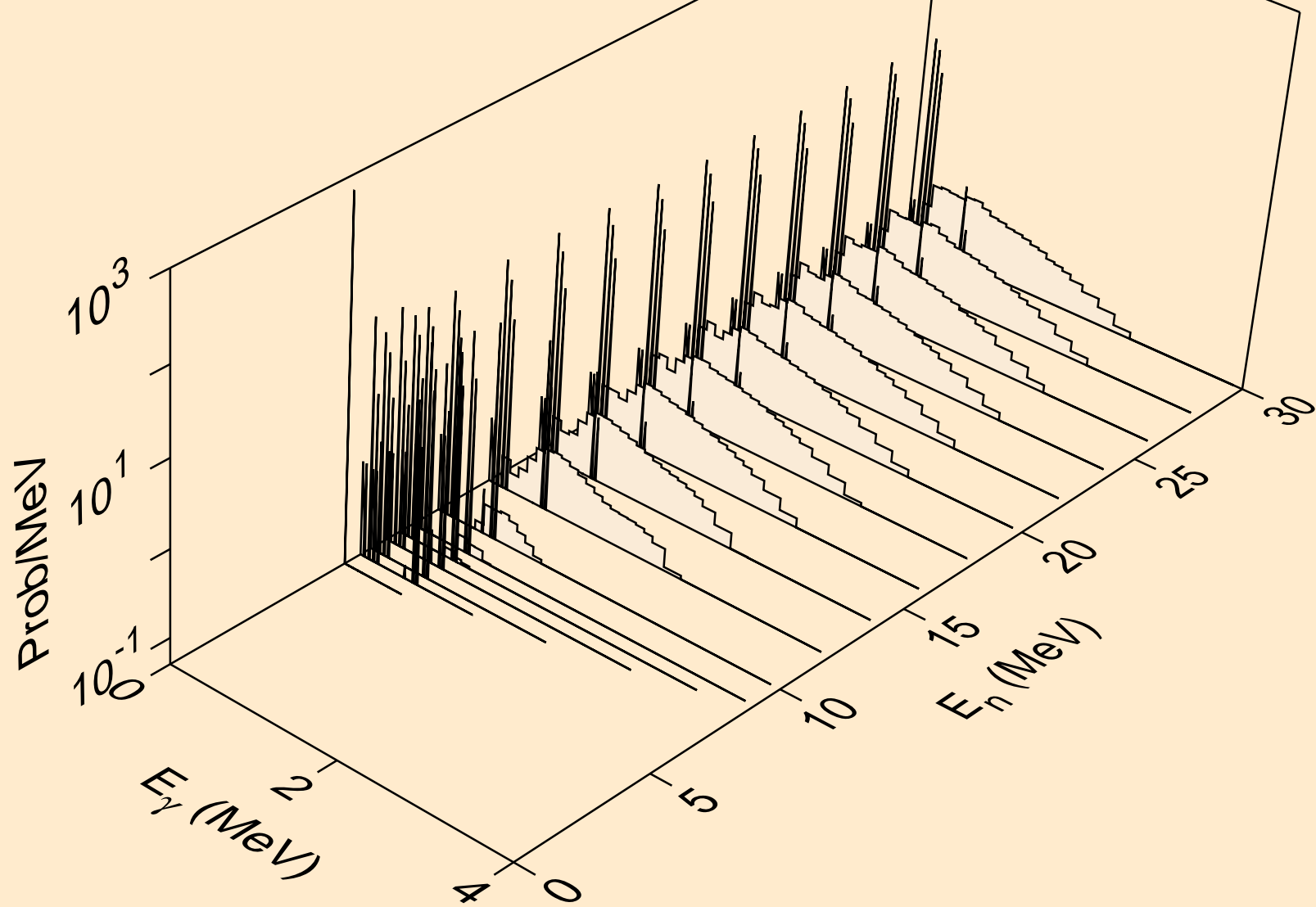
NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p)



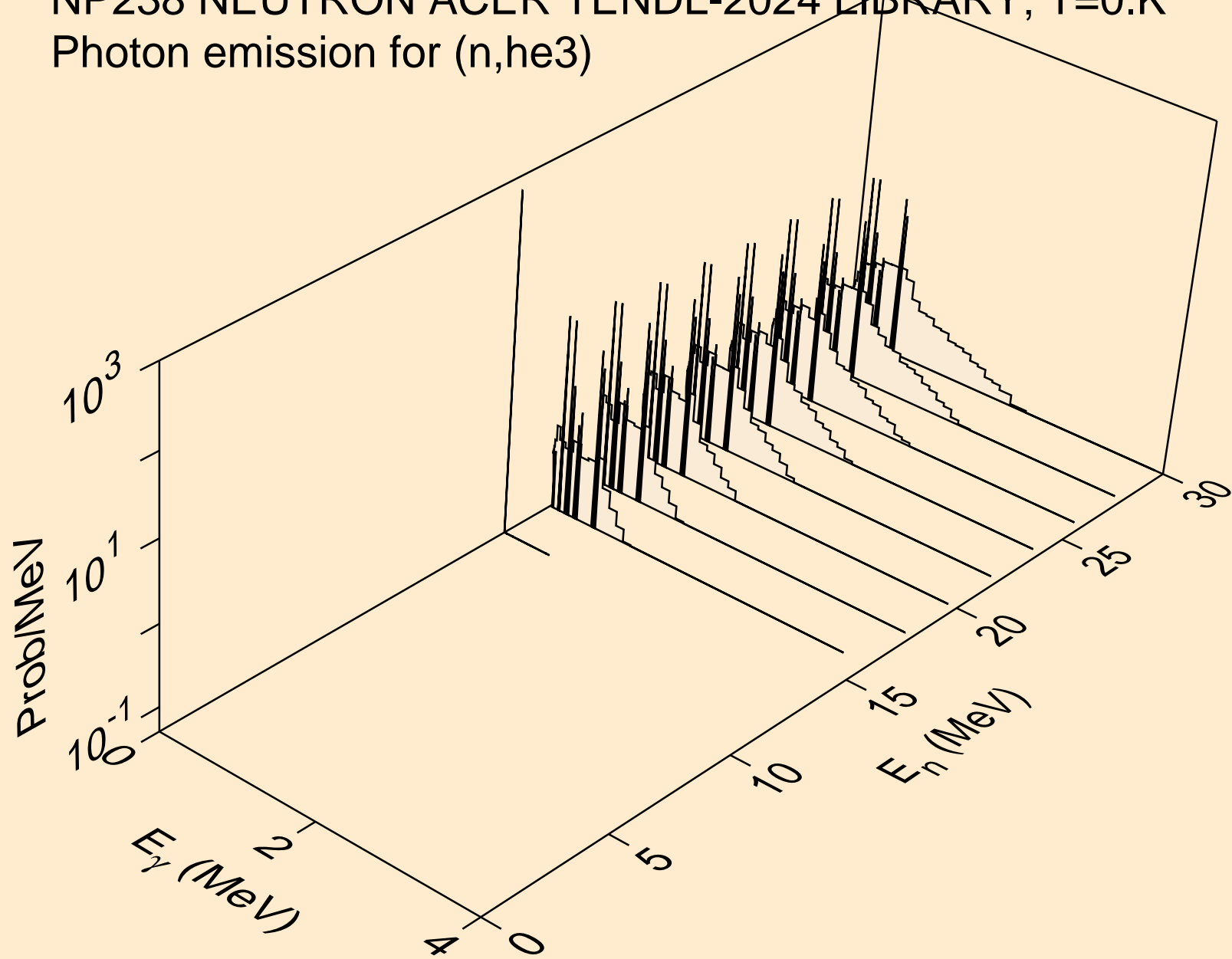
NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,d)



NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,t)

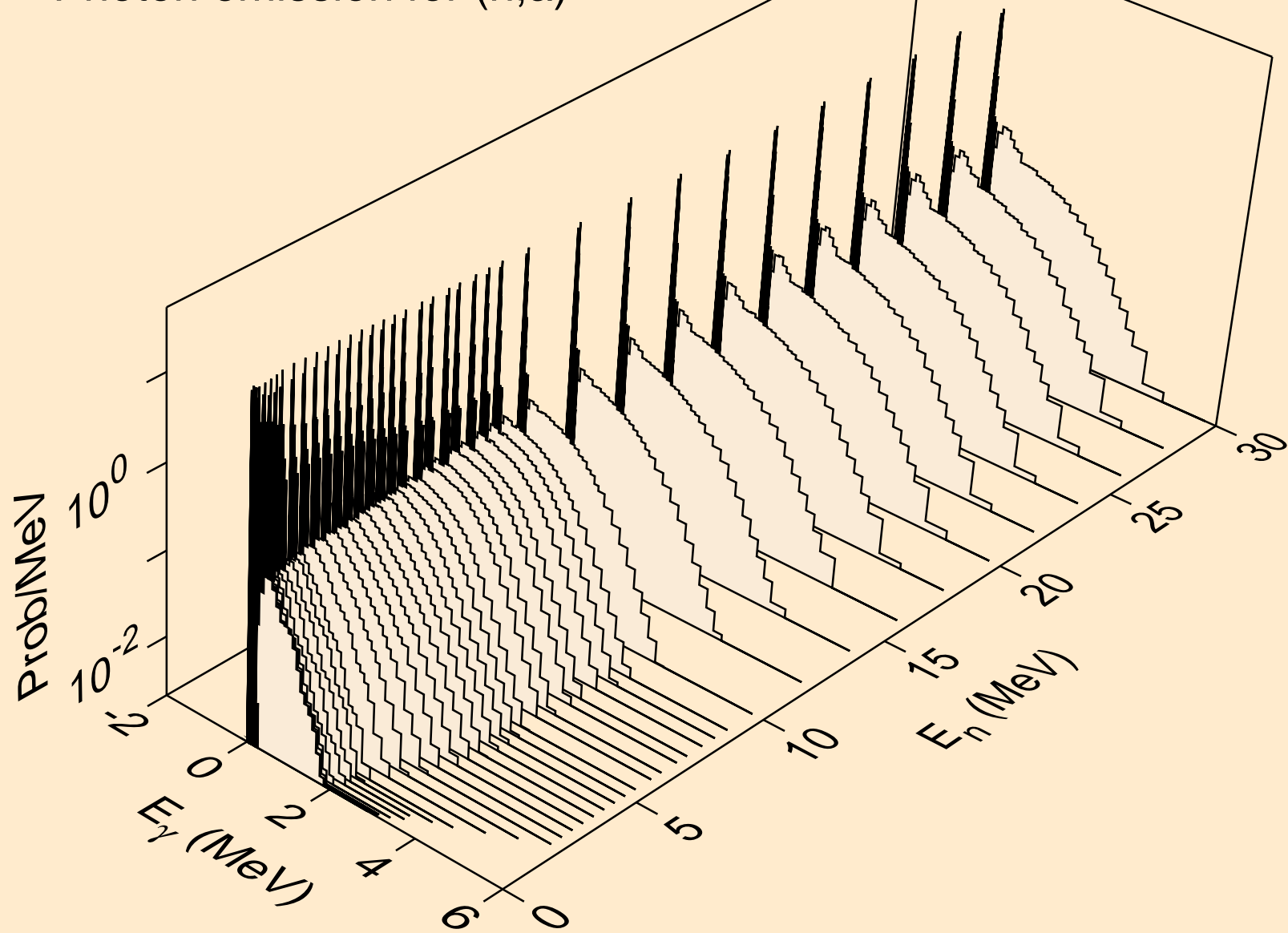


NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,he3)

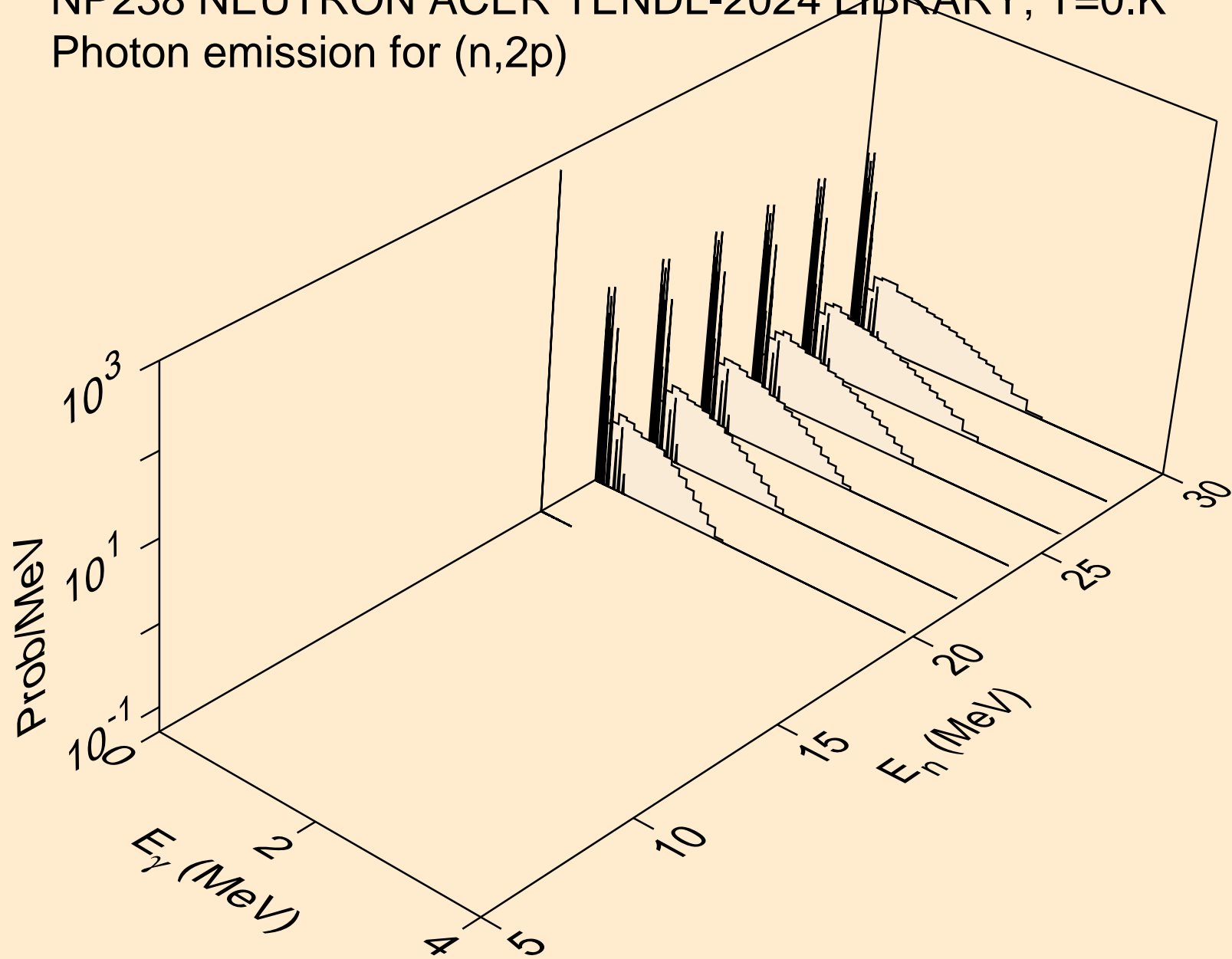




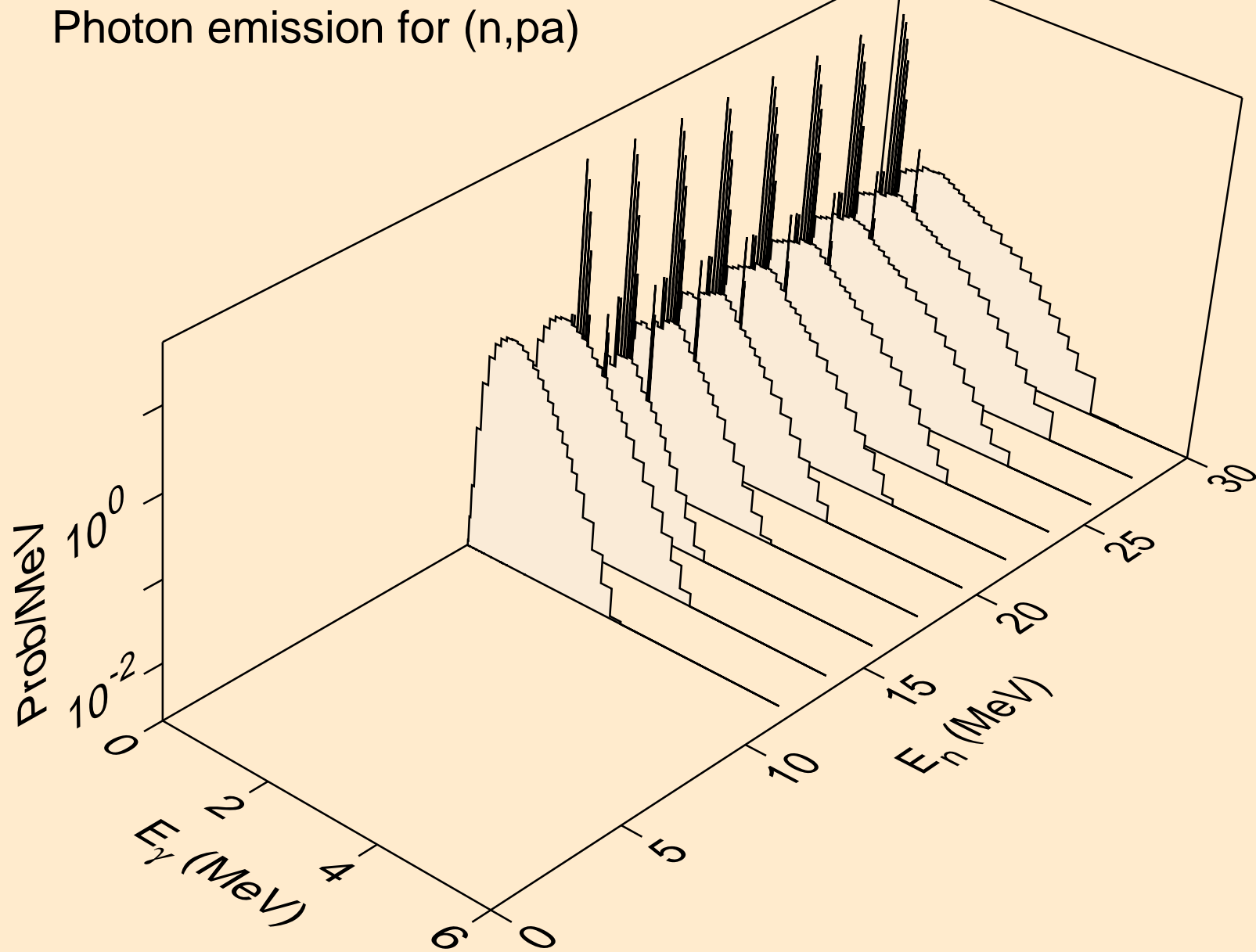
NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,a)



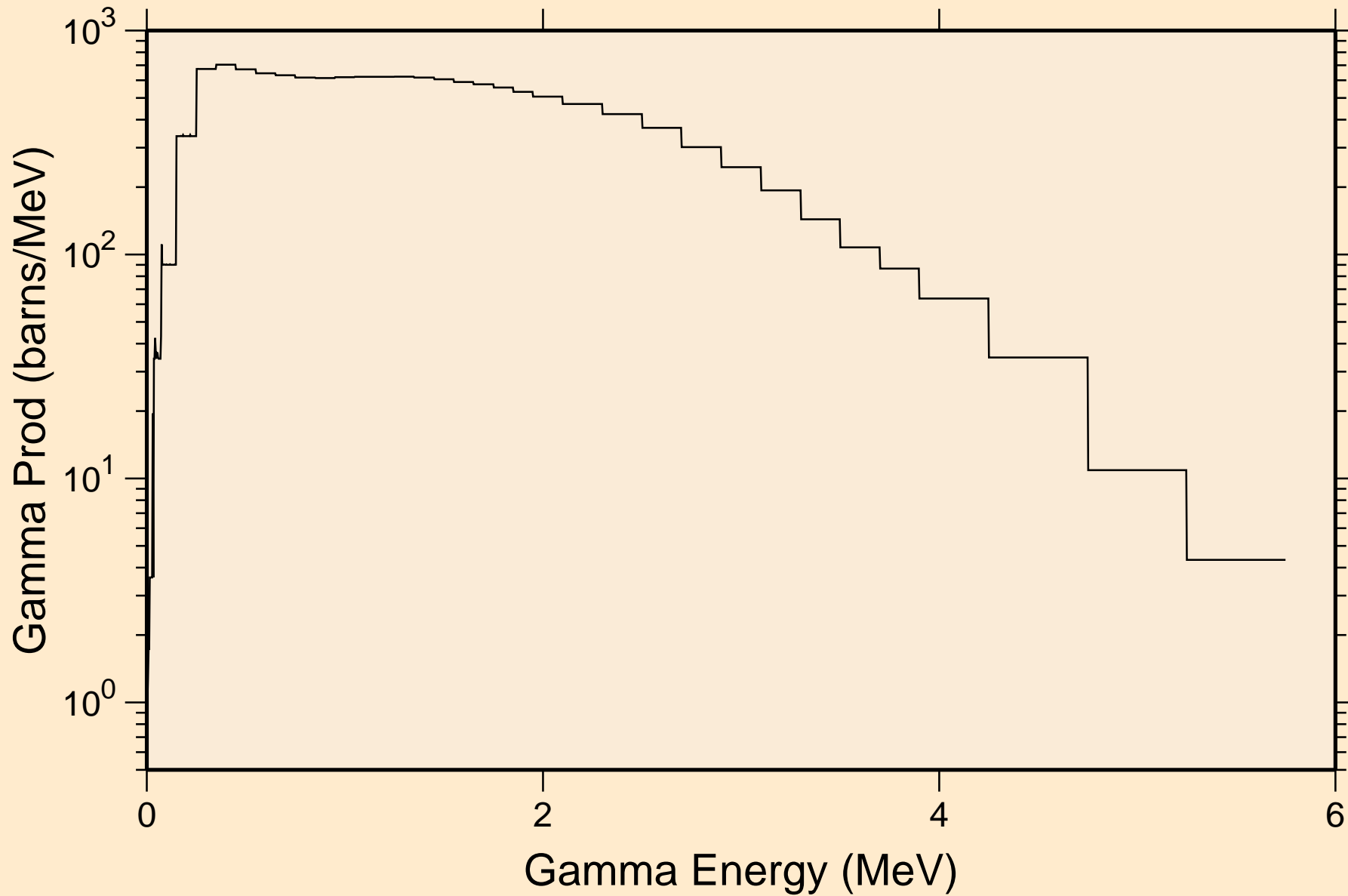
NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2p)



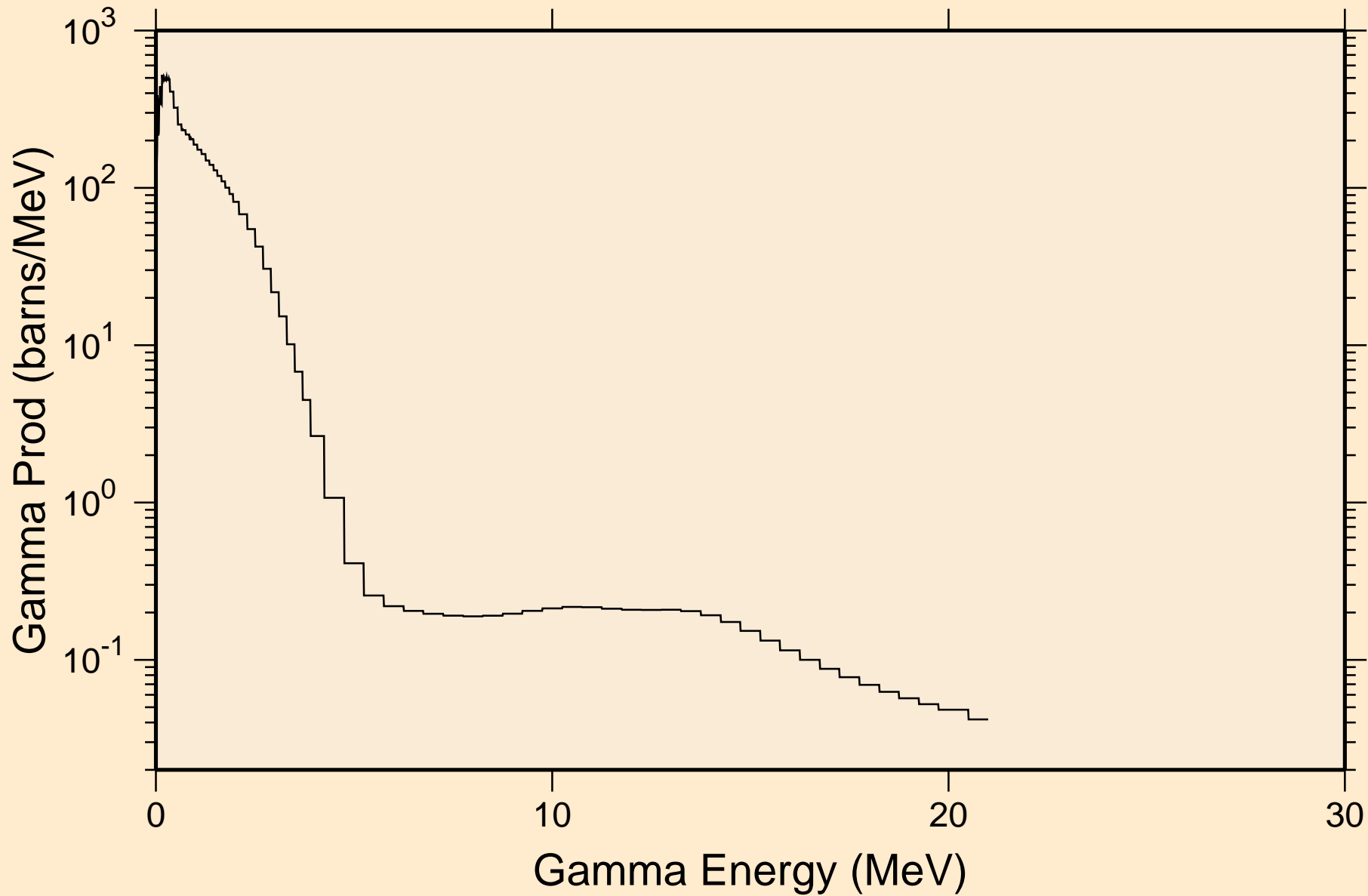
NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p $\alpha$ )



NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
thermal capture photon spectrum

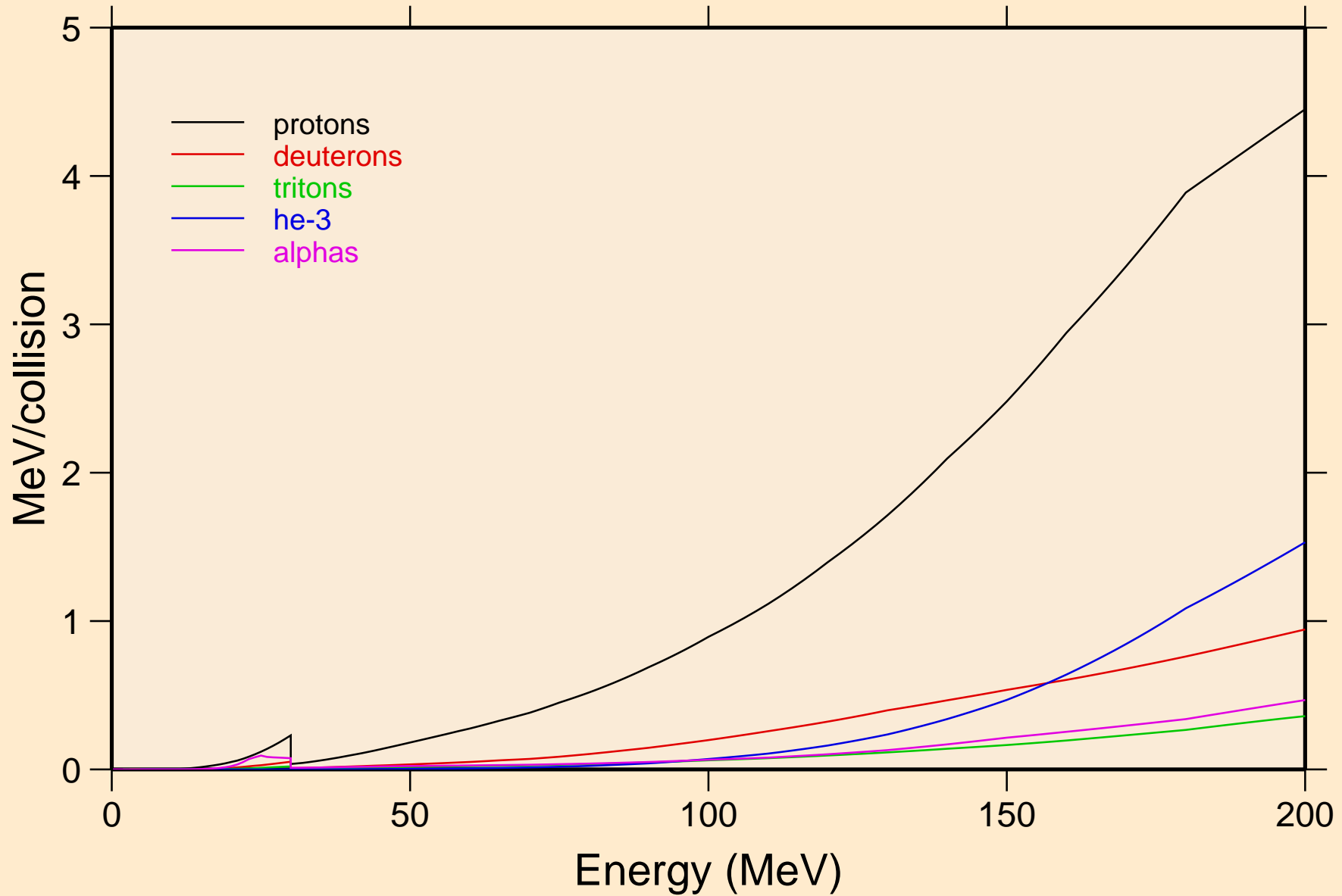


NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
14 MeV photon spectrum

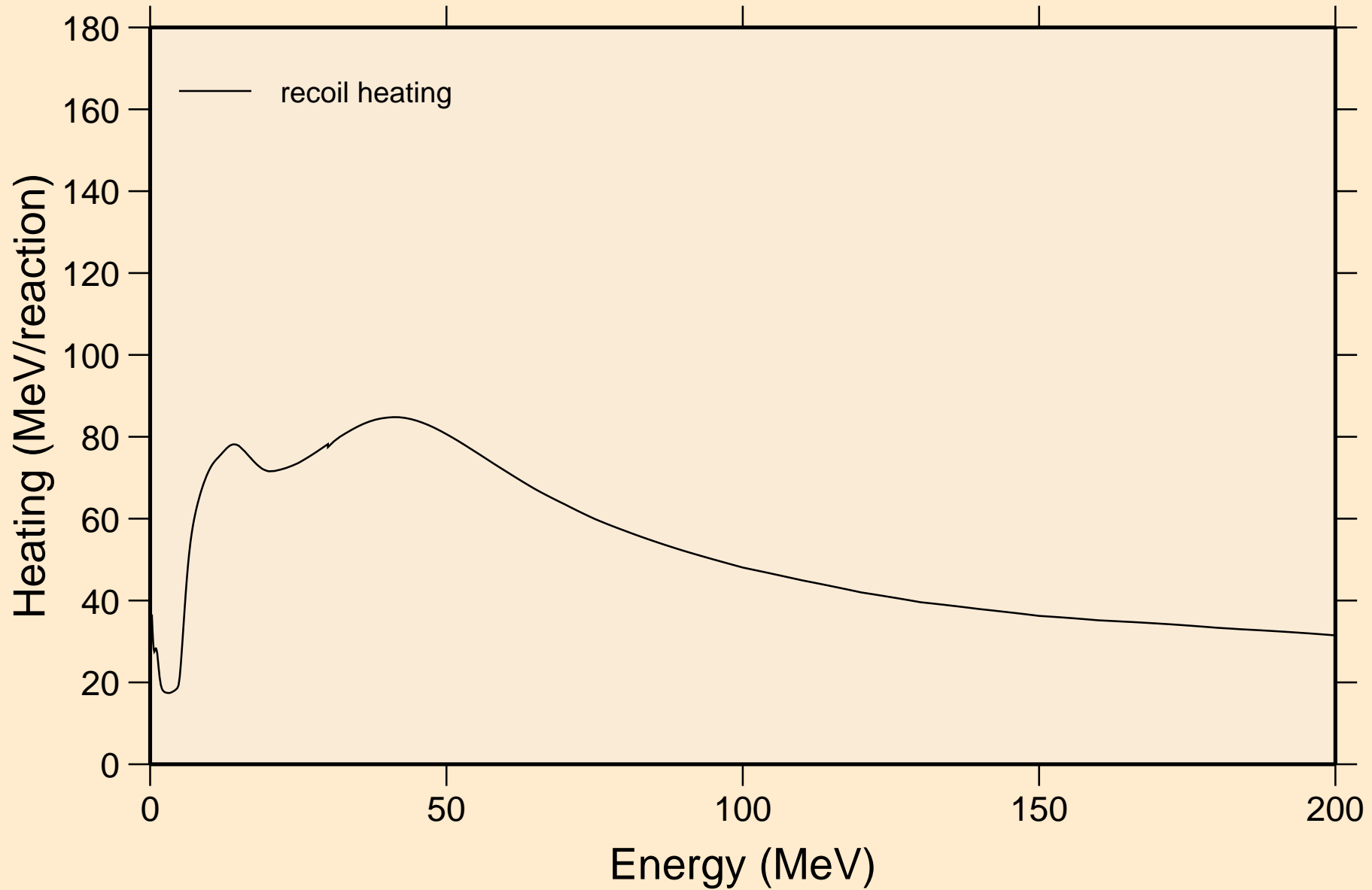


# NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Particle heating contributions

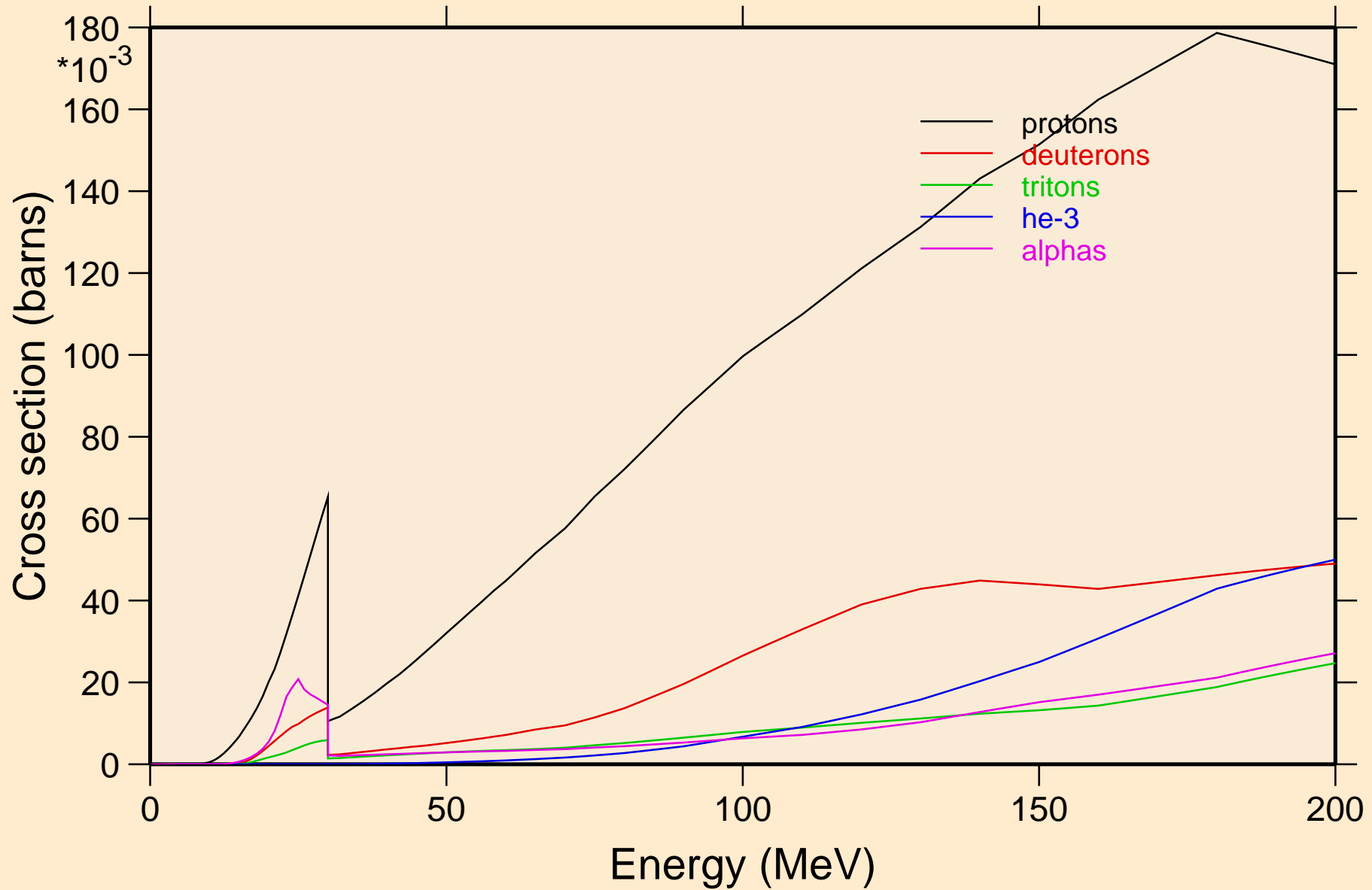


NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Recoil Heating



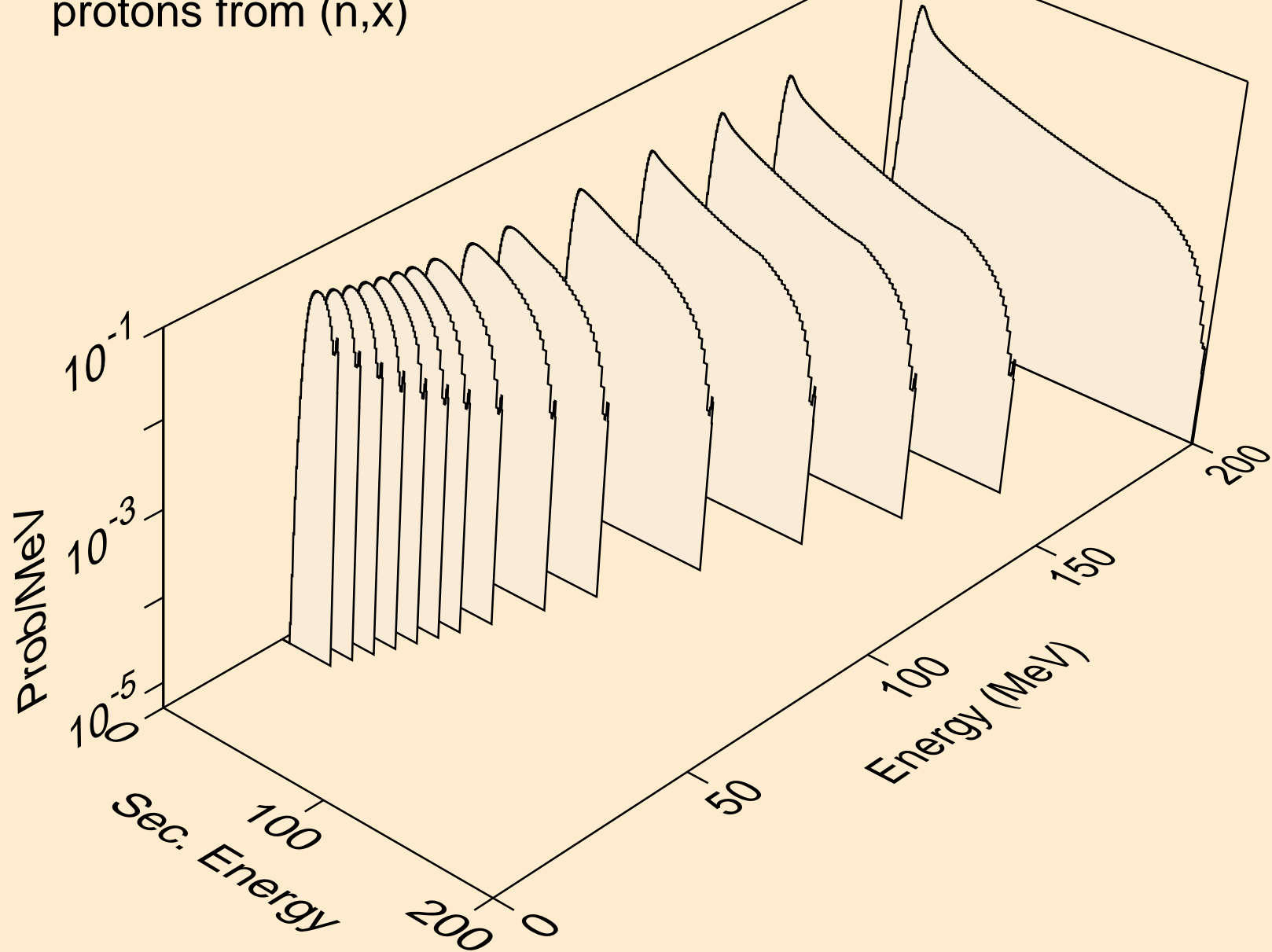
# NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Particle production cross sections

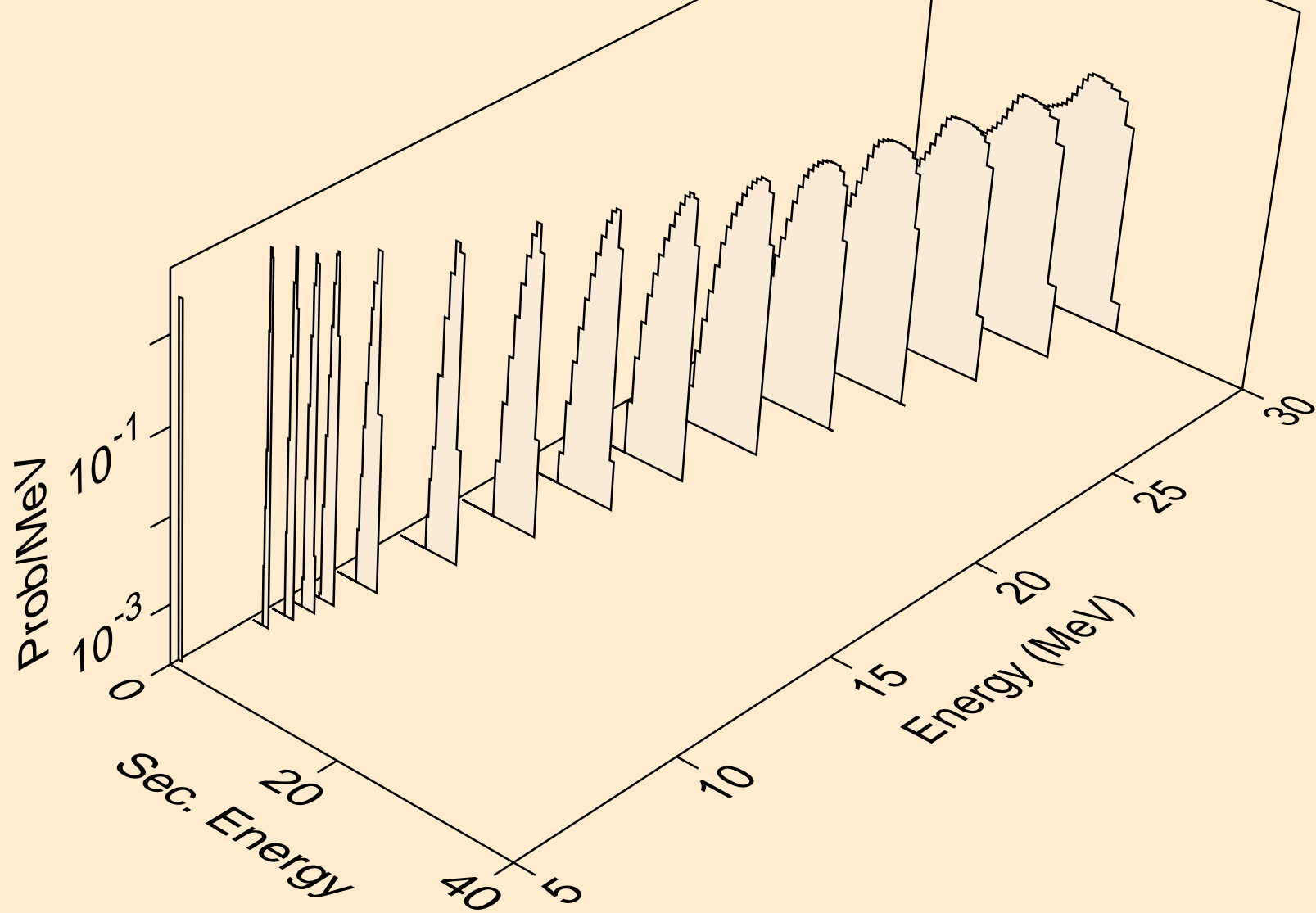




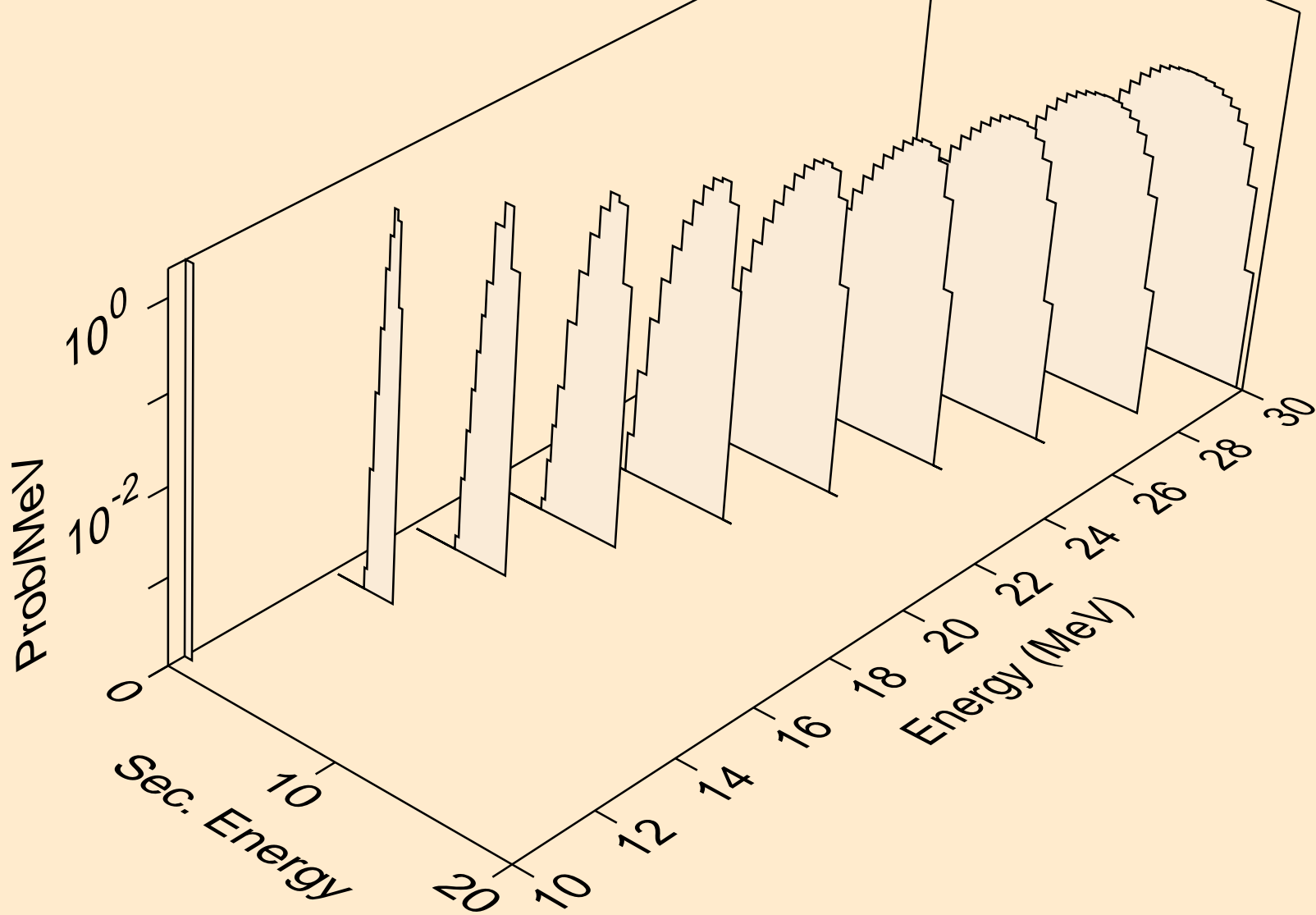
NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,x)



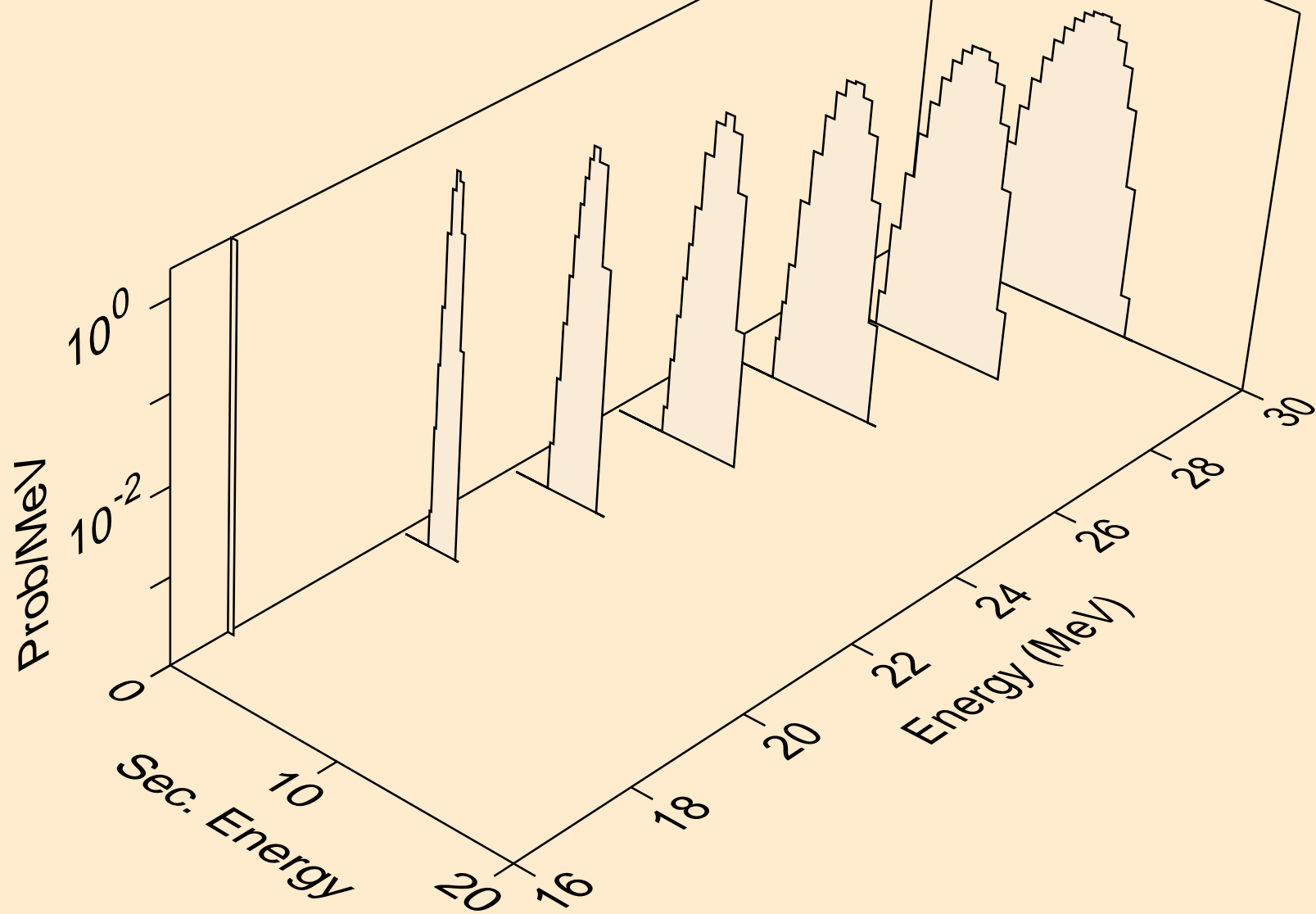
NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,n\*)p



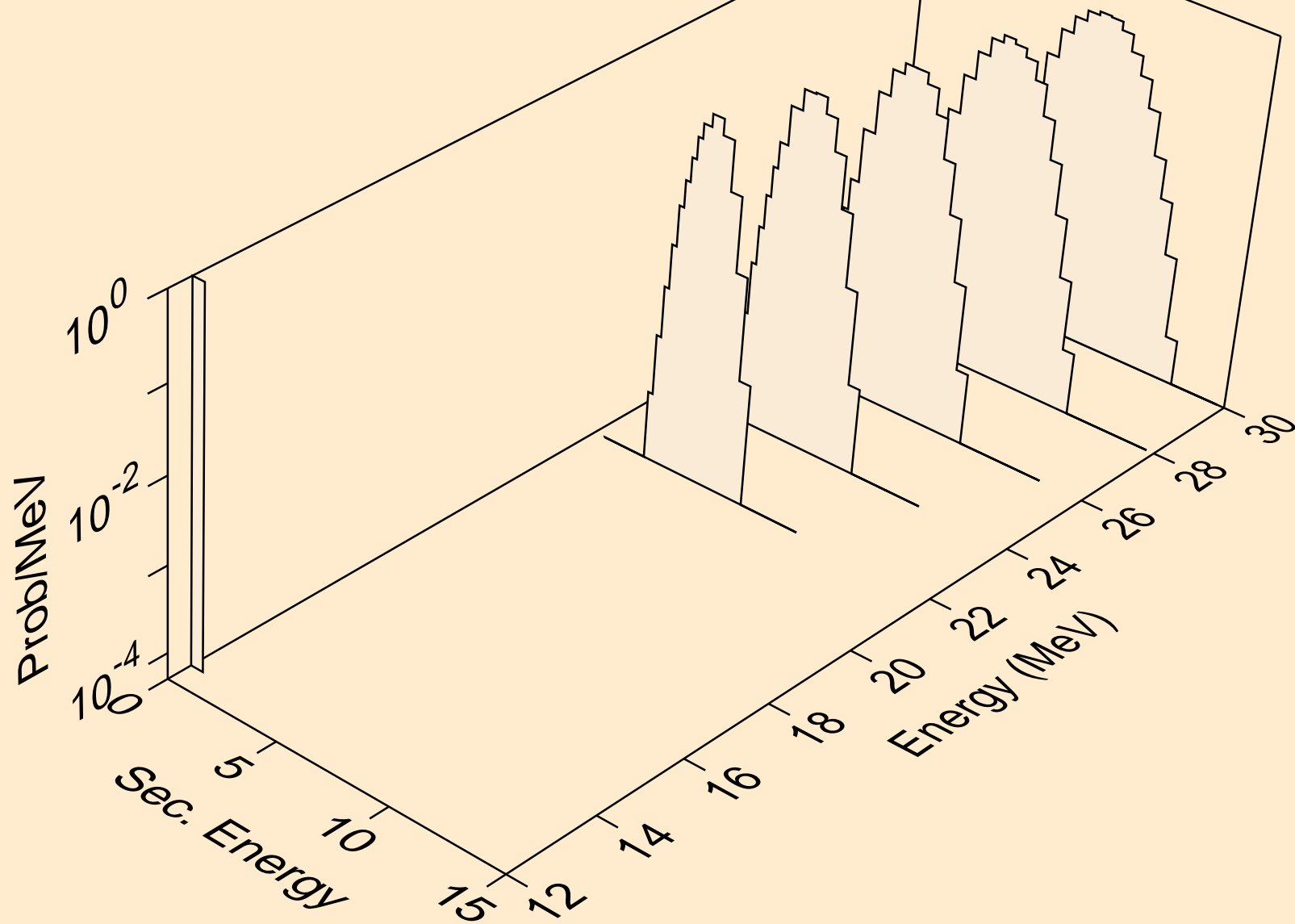
NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,2np)



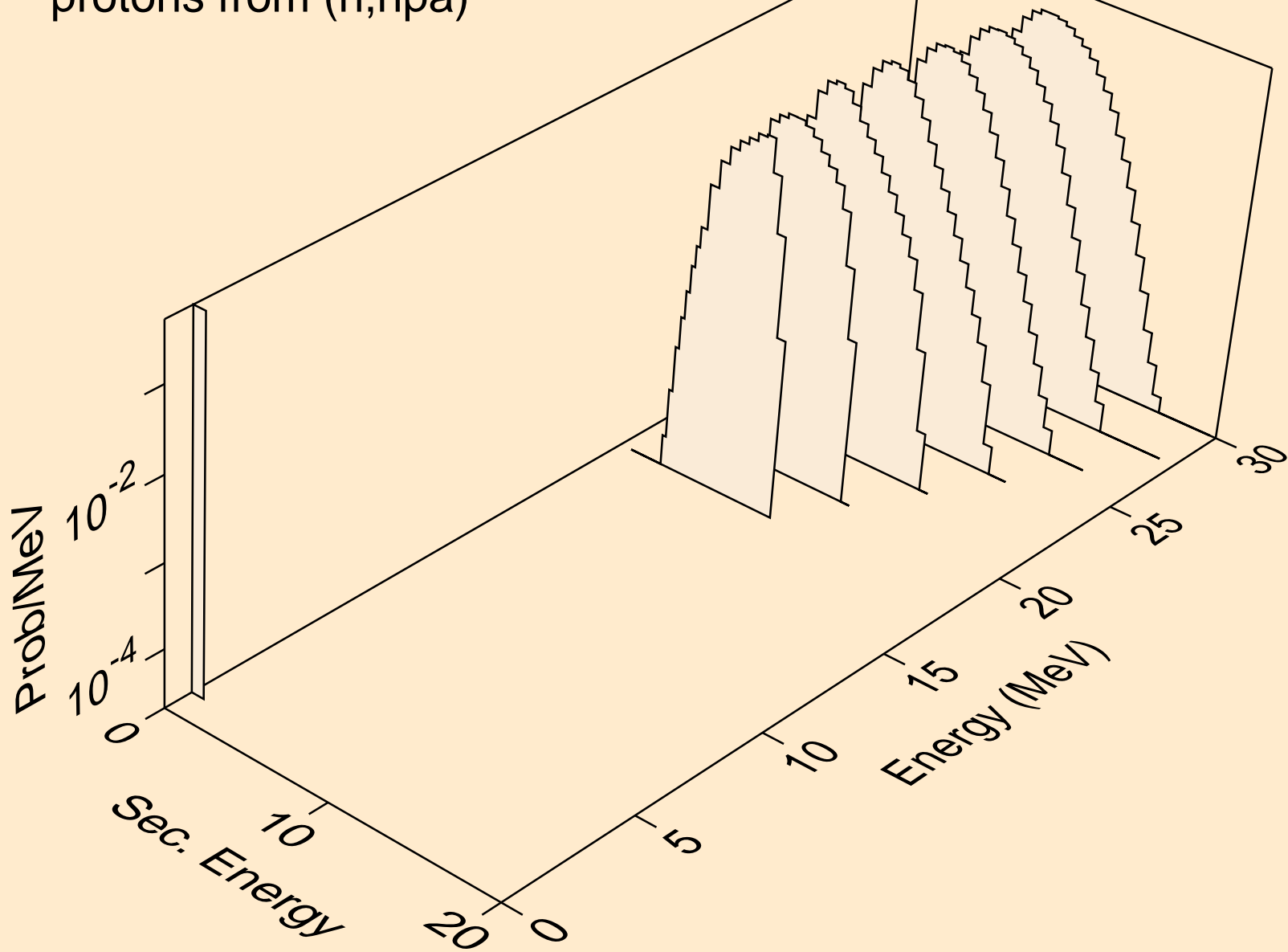
NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,3np)



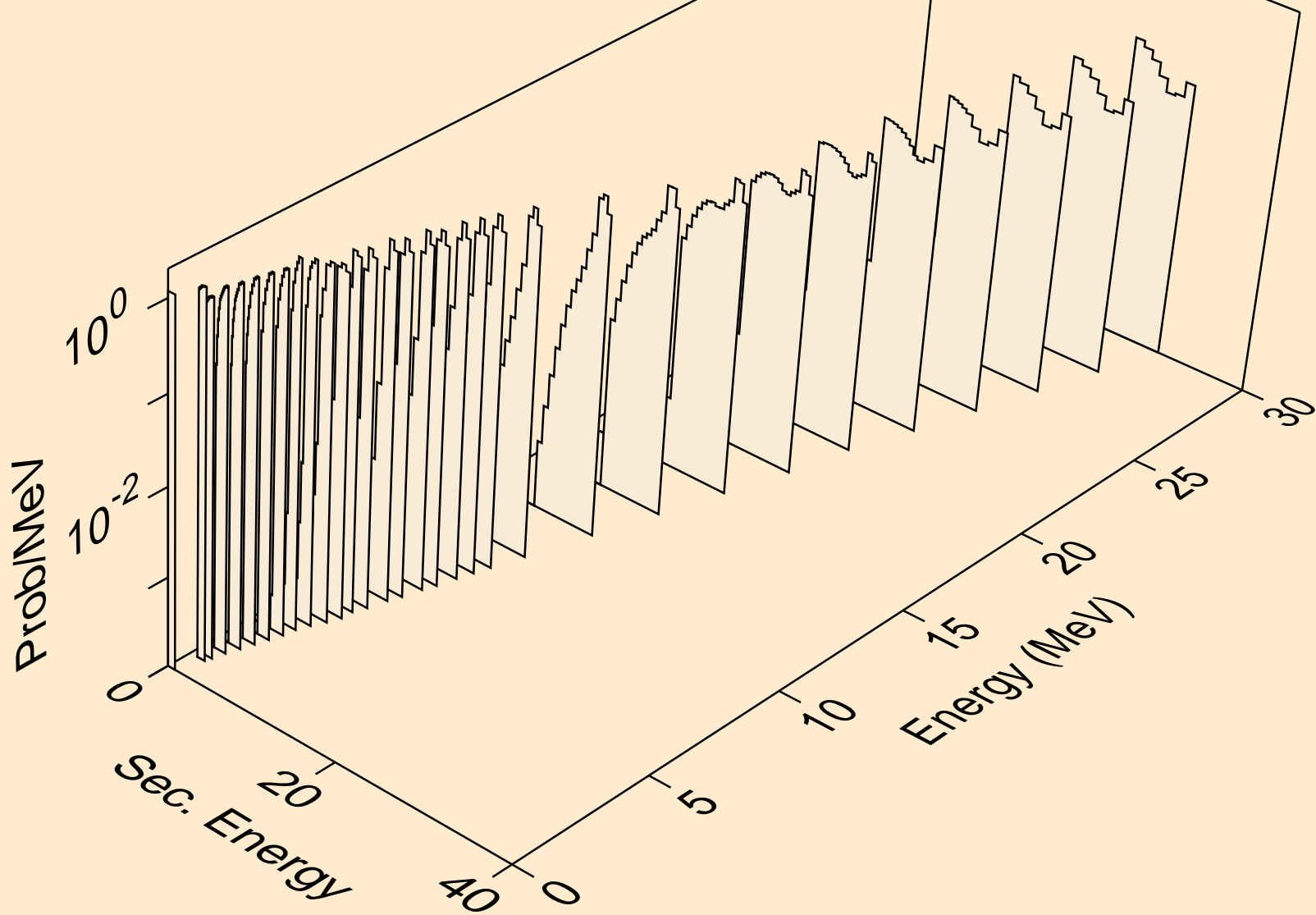
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protons from (n,n2p)



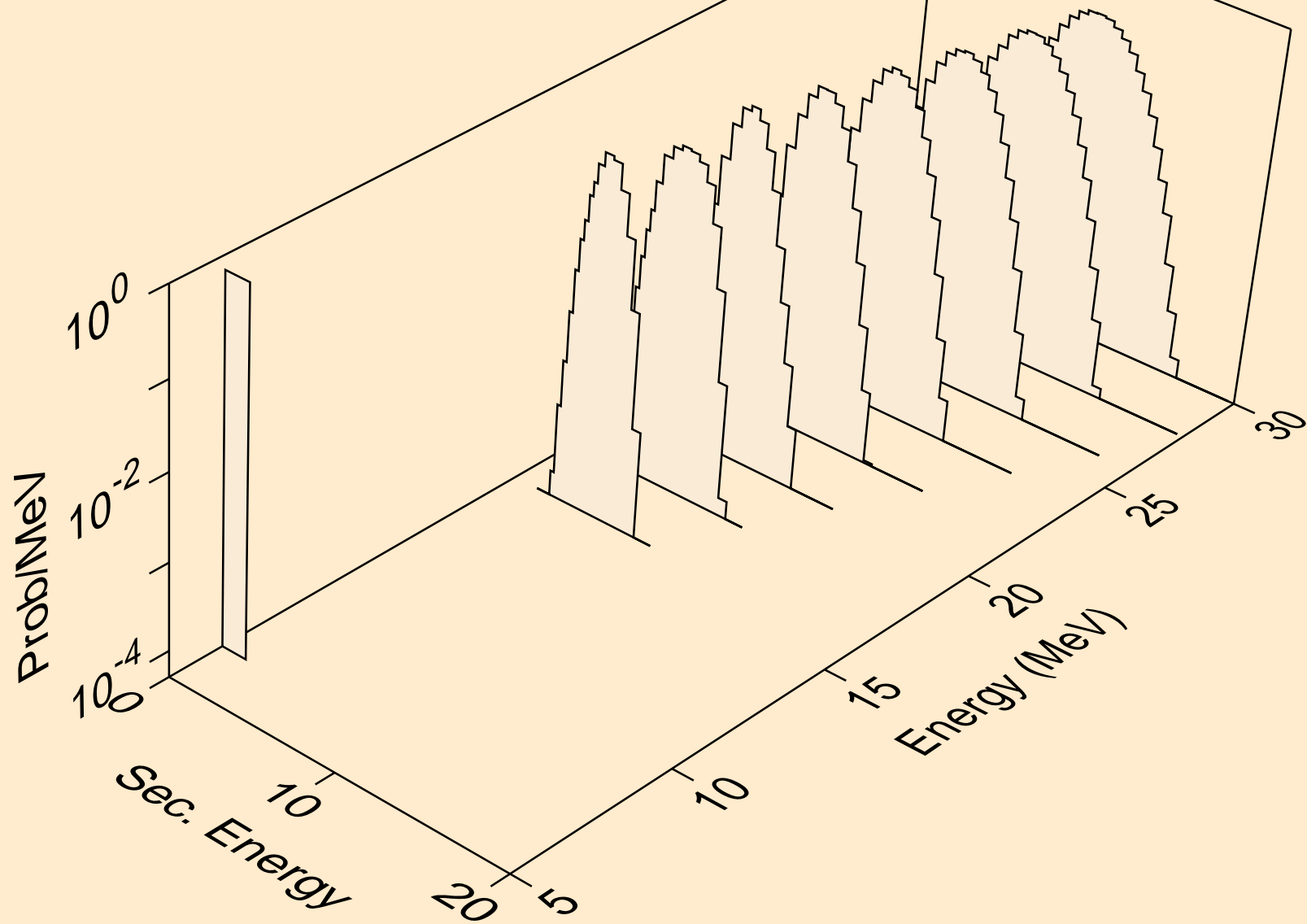
NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,npa)



NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,p)

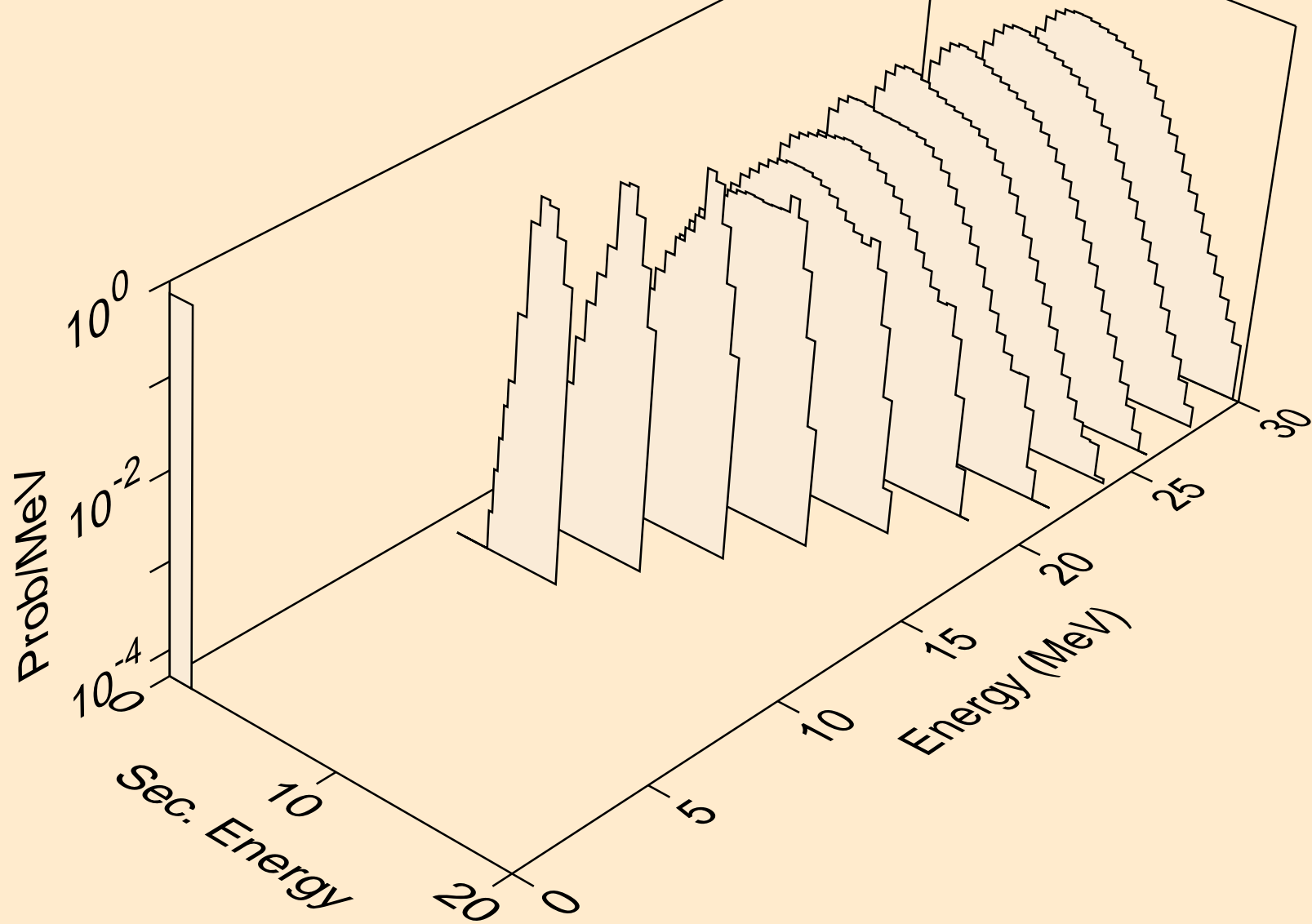


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protons from (n,2p)

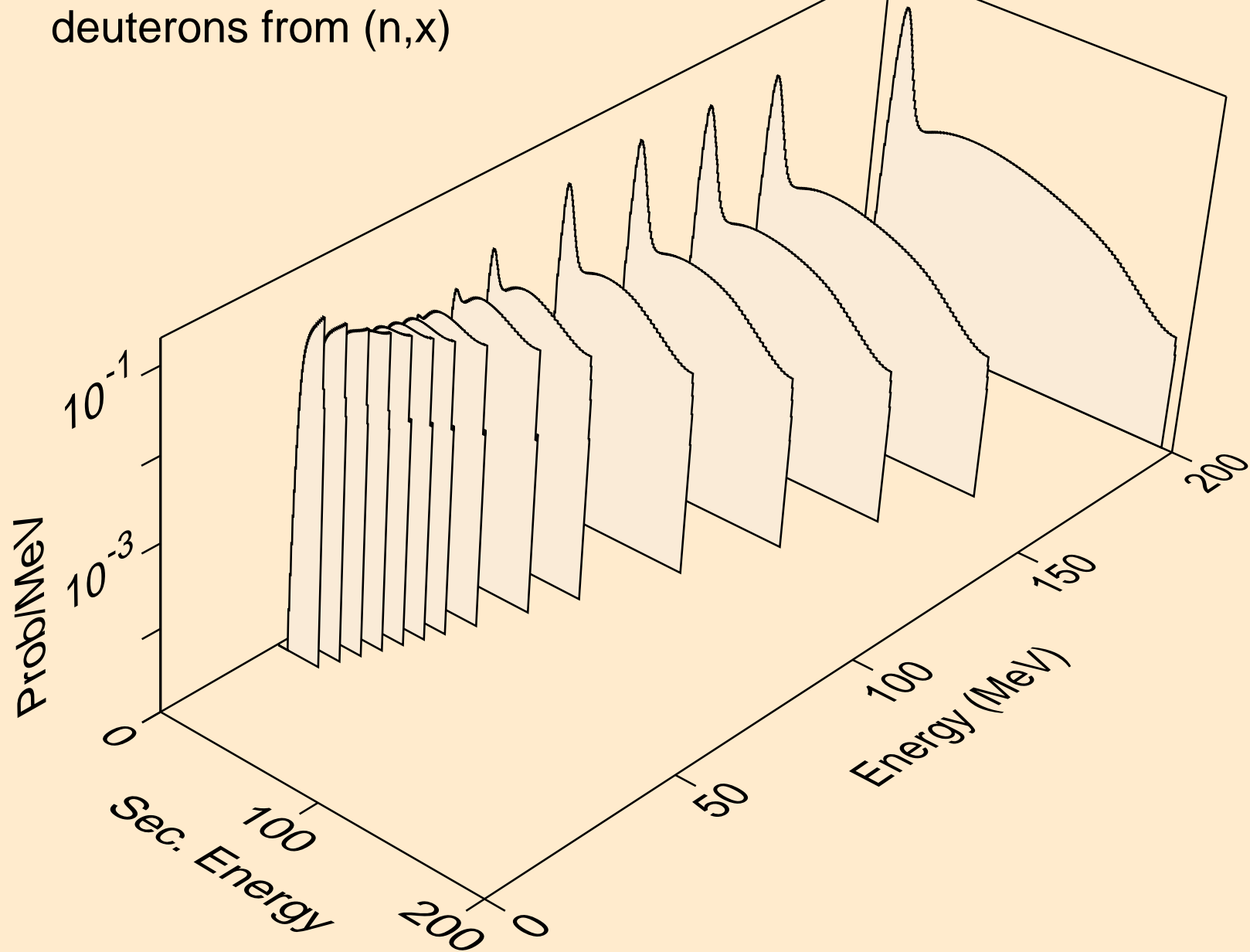




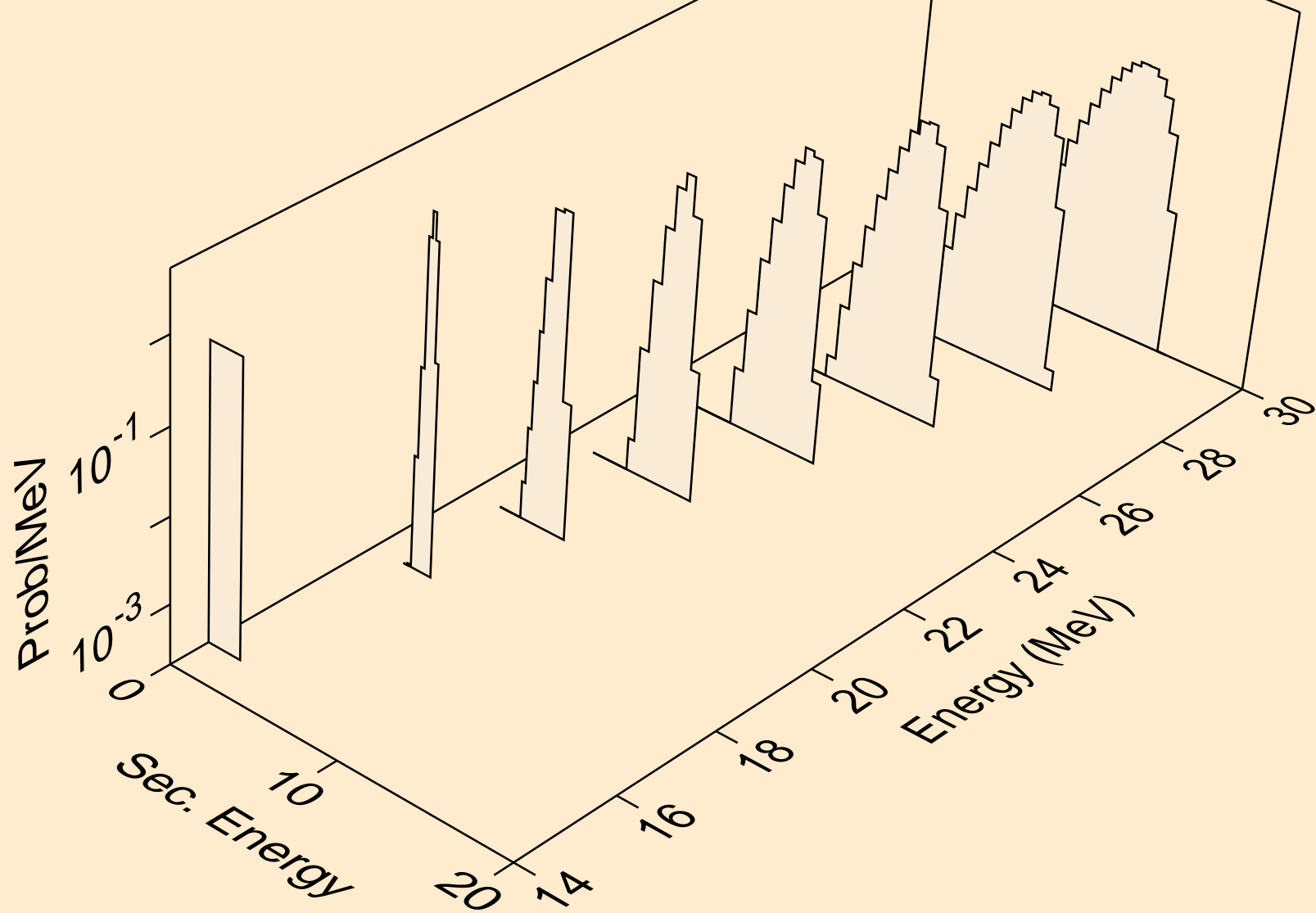
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protons from (n,pa)



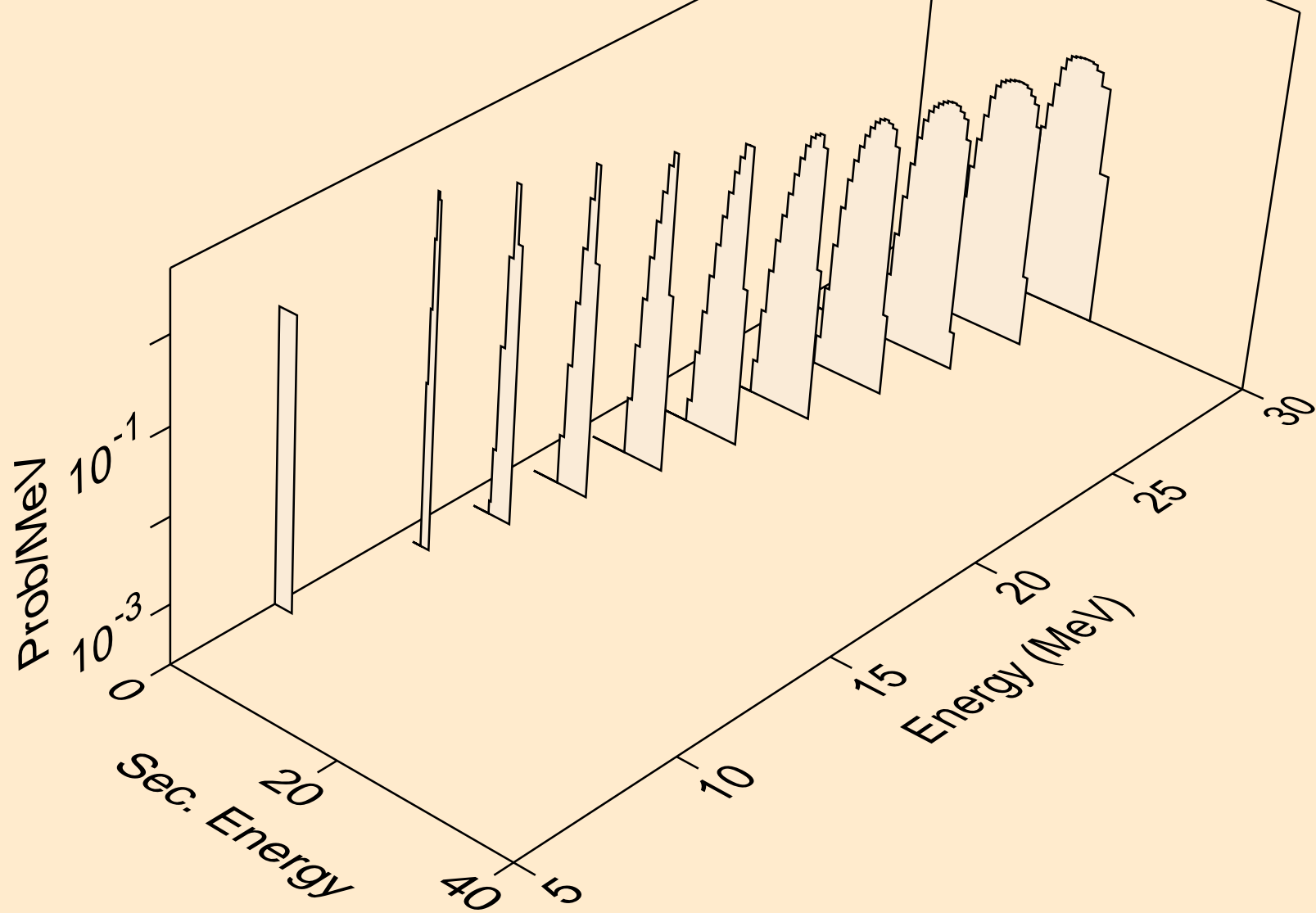
NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,x)



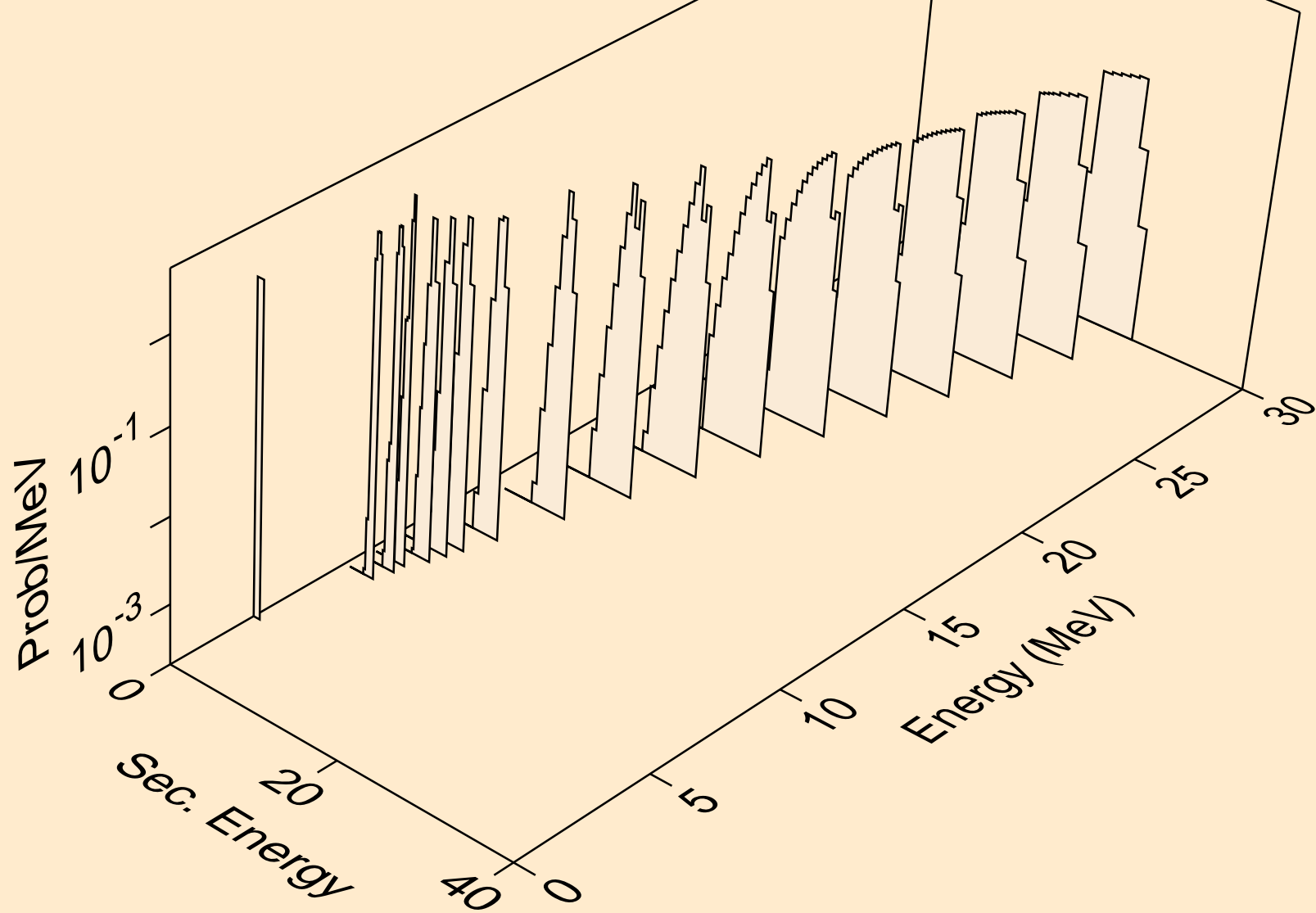
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deuterons from (n,2nd)



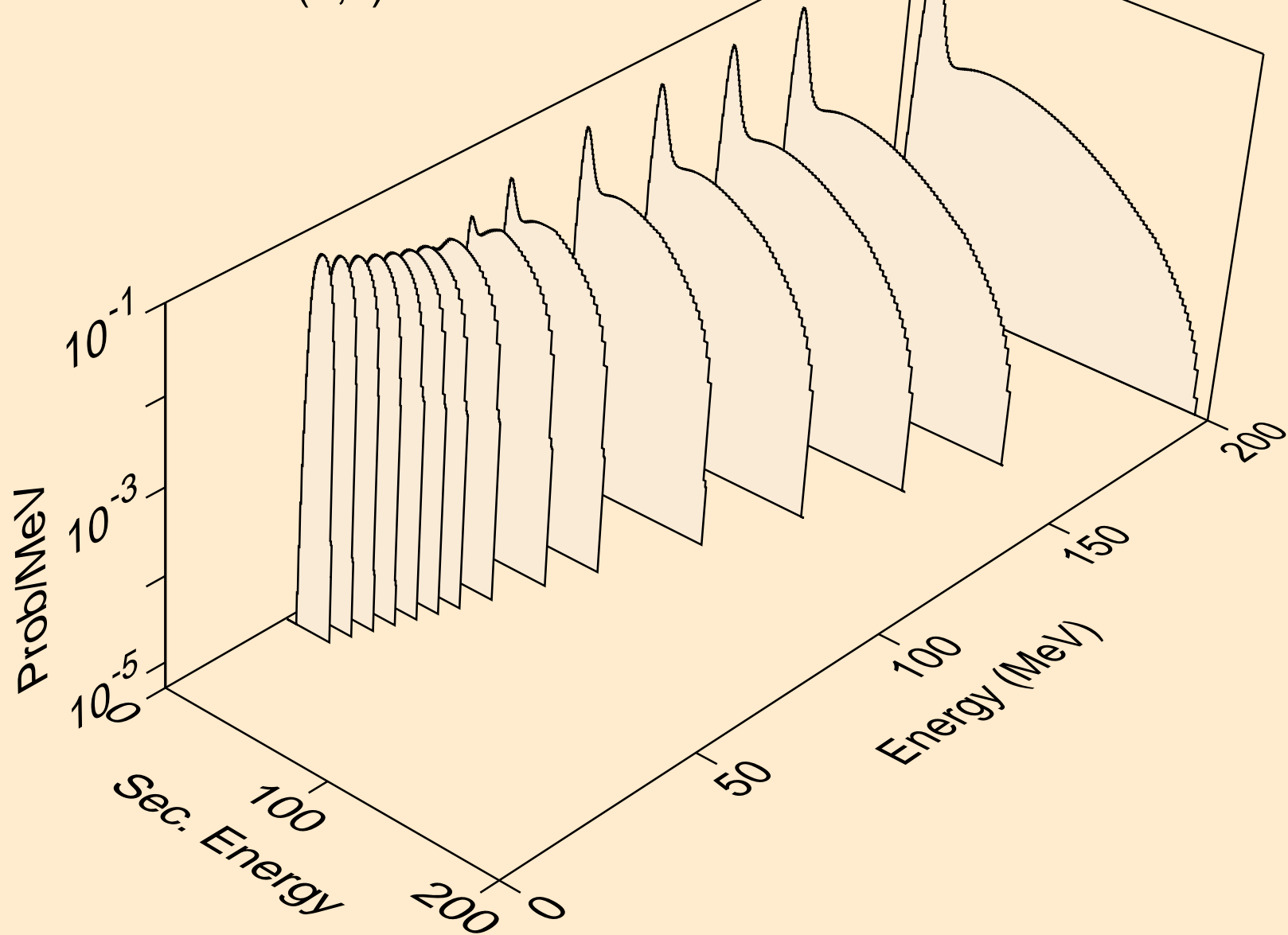
NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,n\*)d



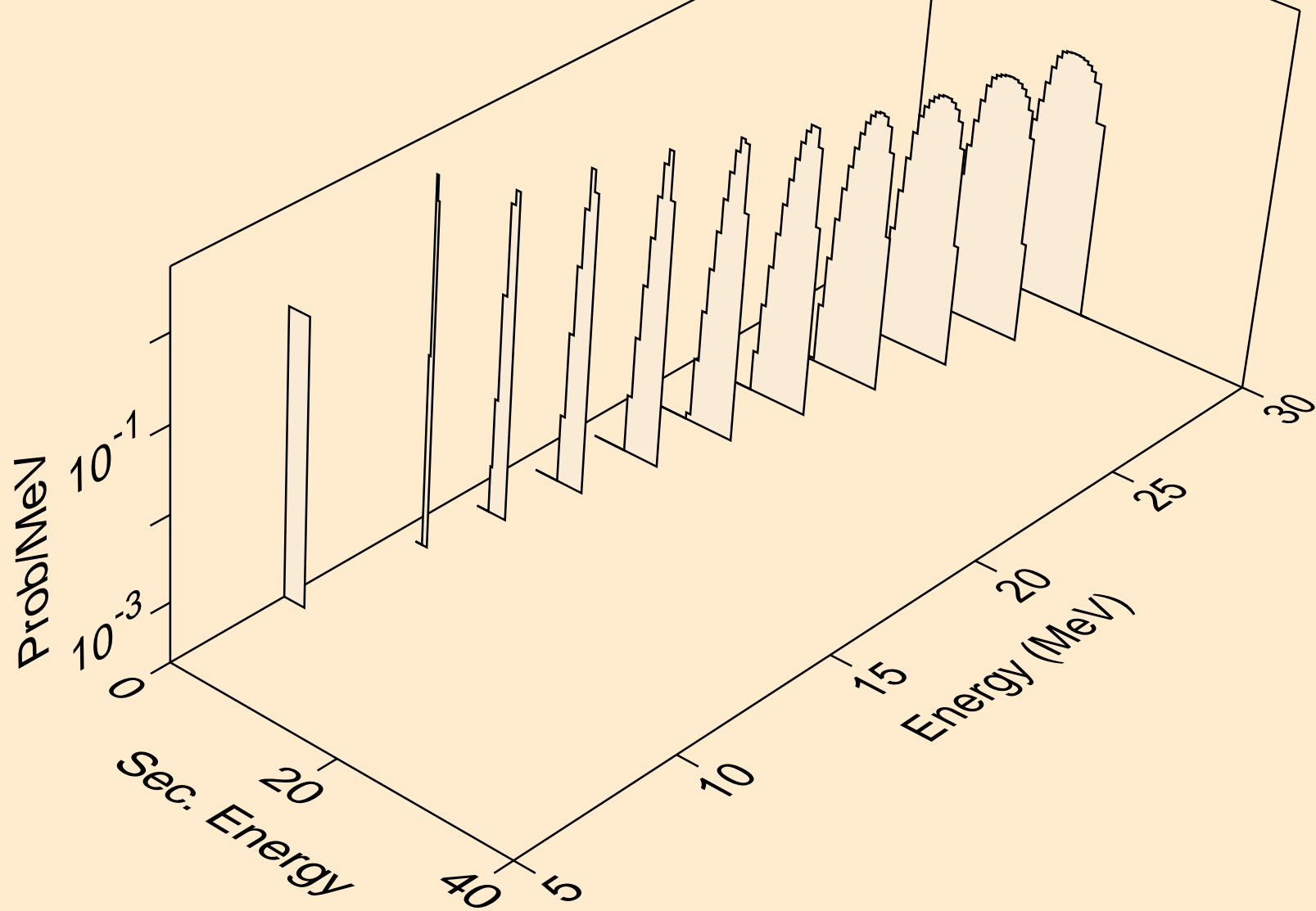
NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,d)



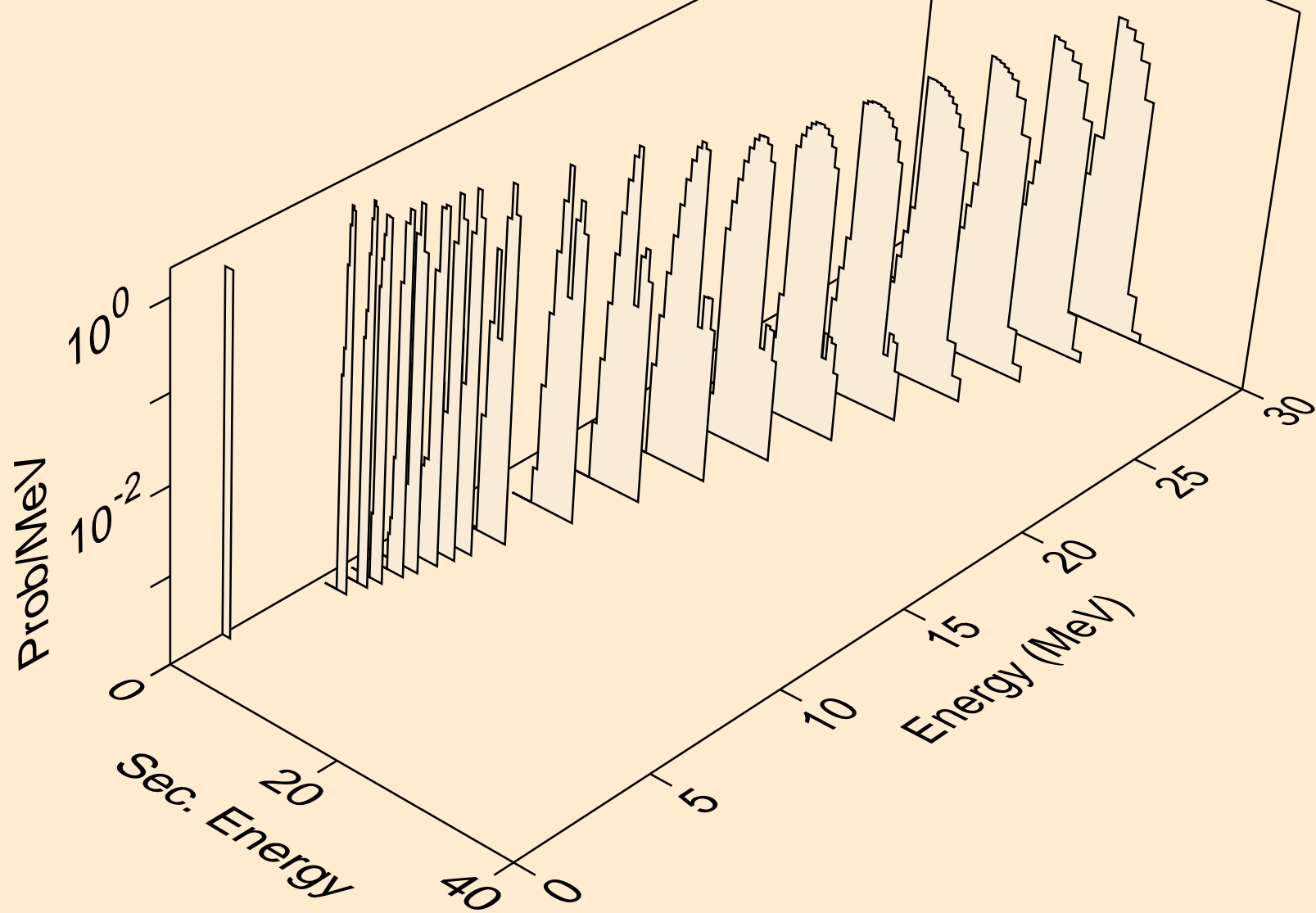
NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,x)



NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,n\*)t

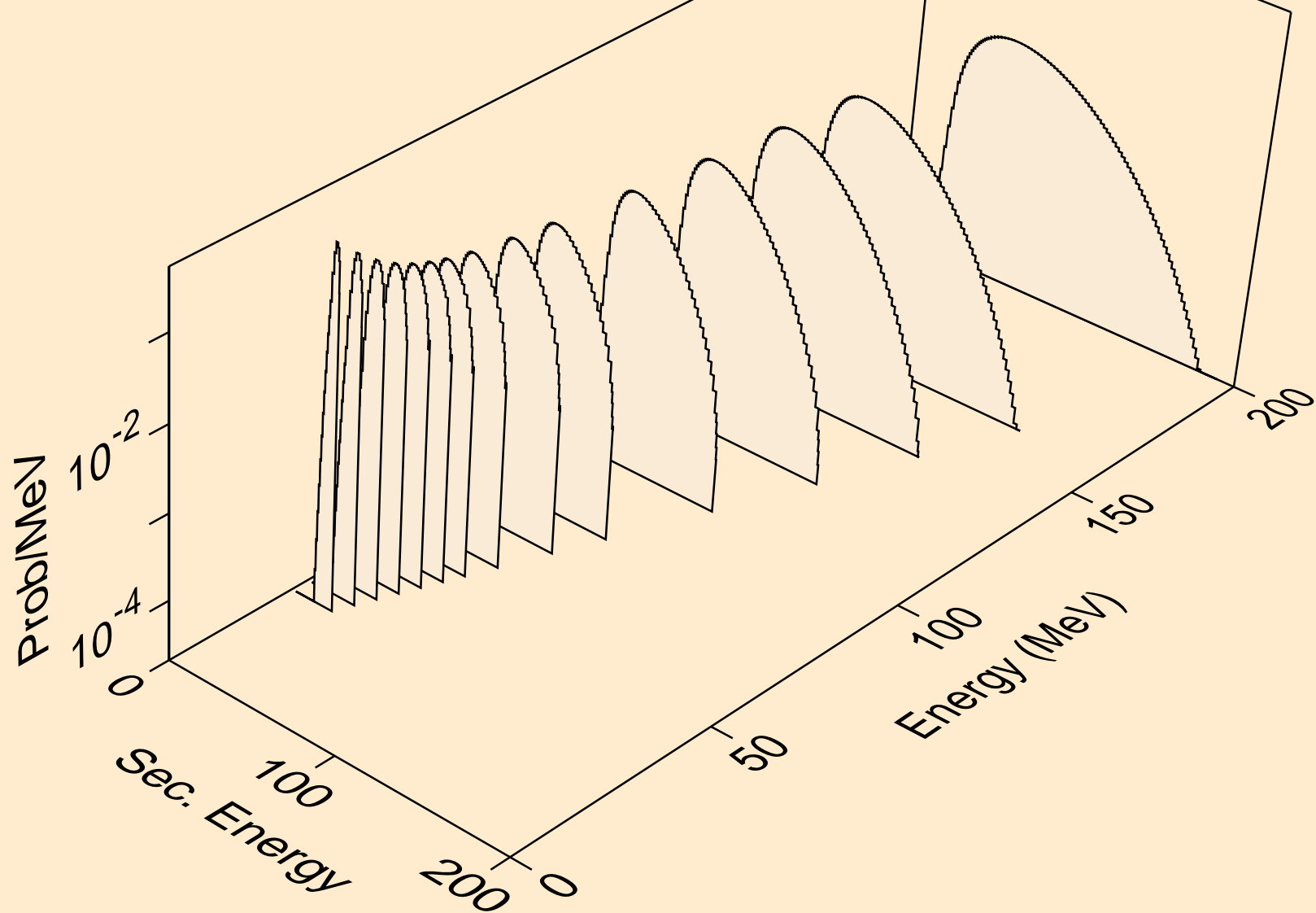


NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,t)

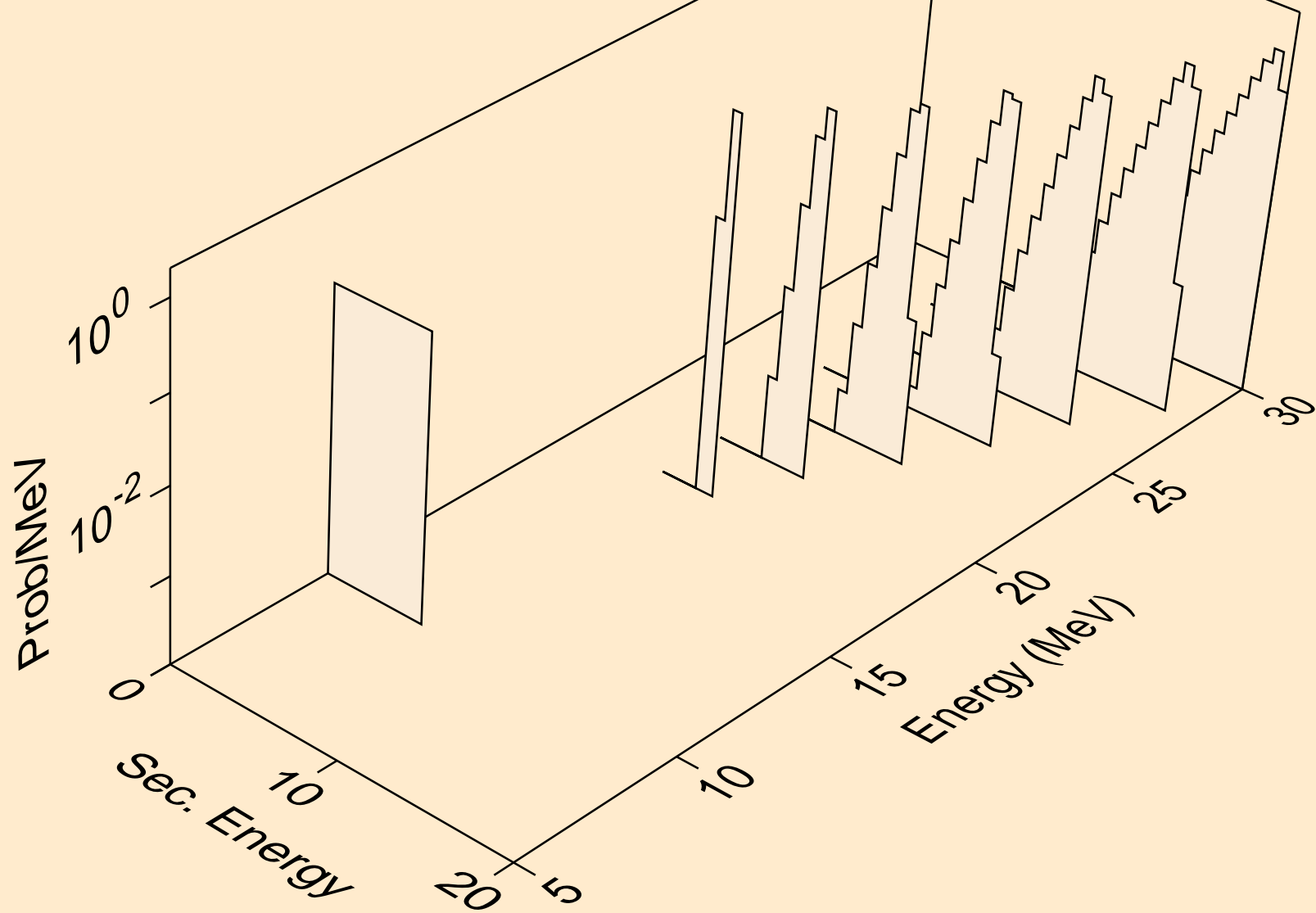




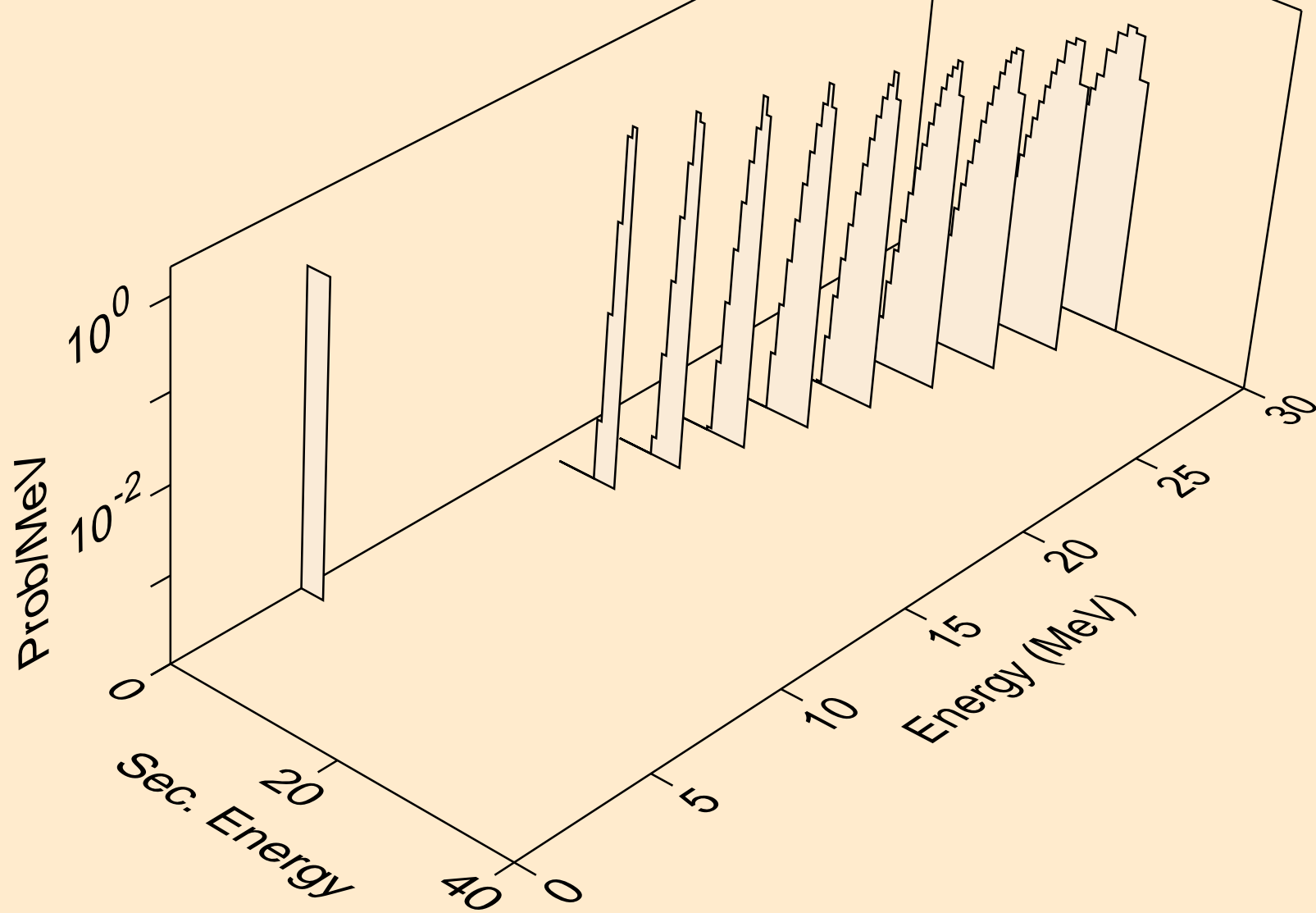
NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,x)



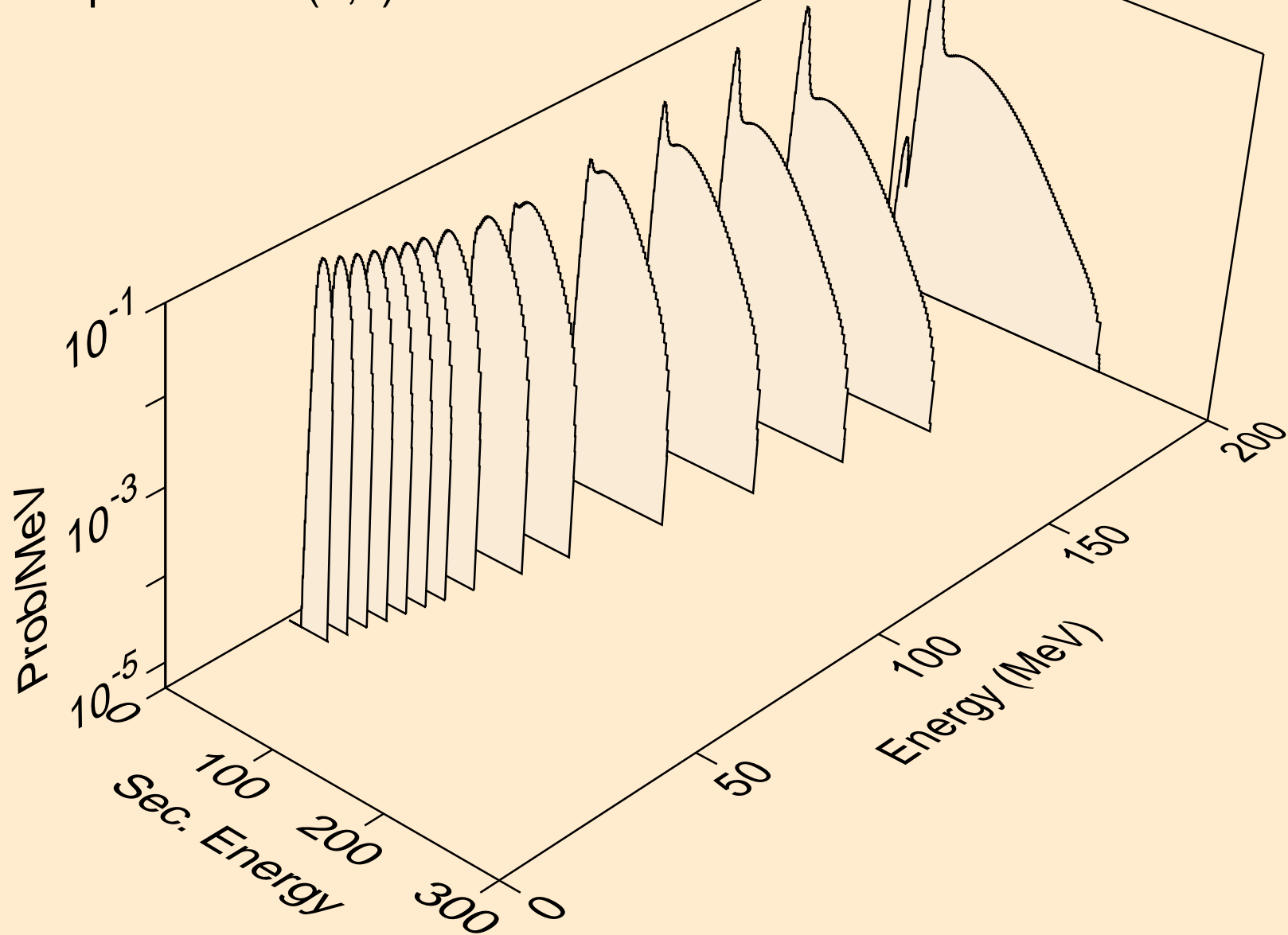
NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,n\*)he3



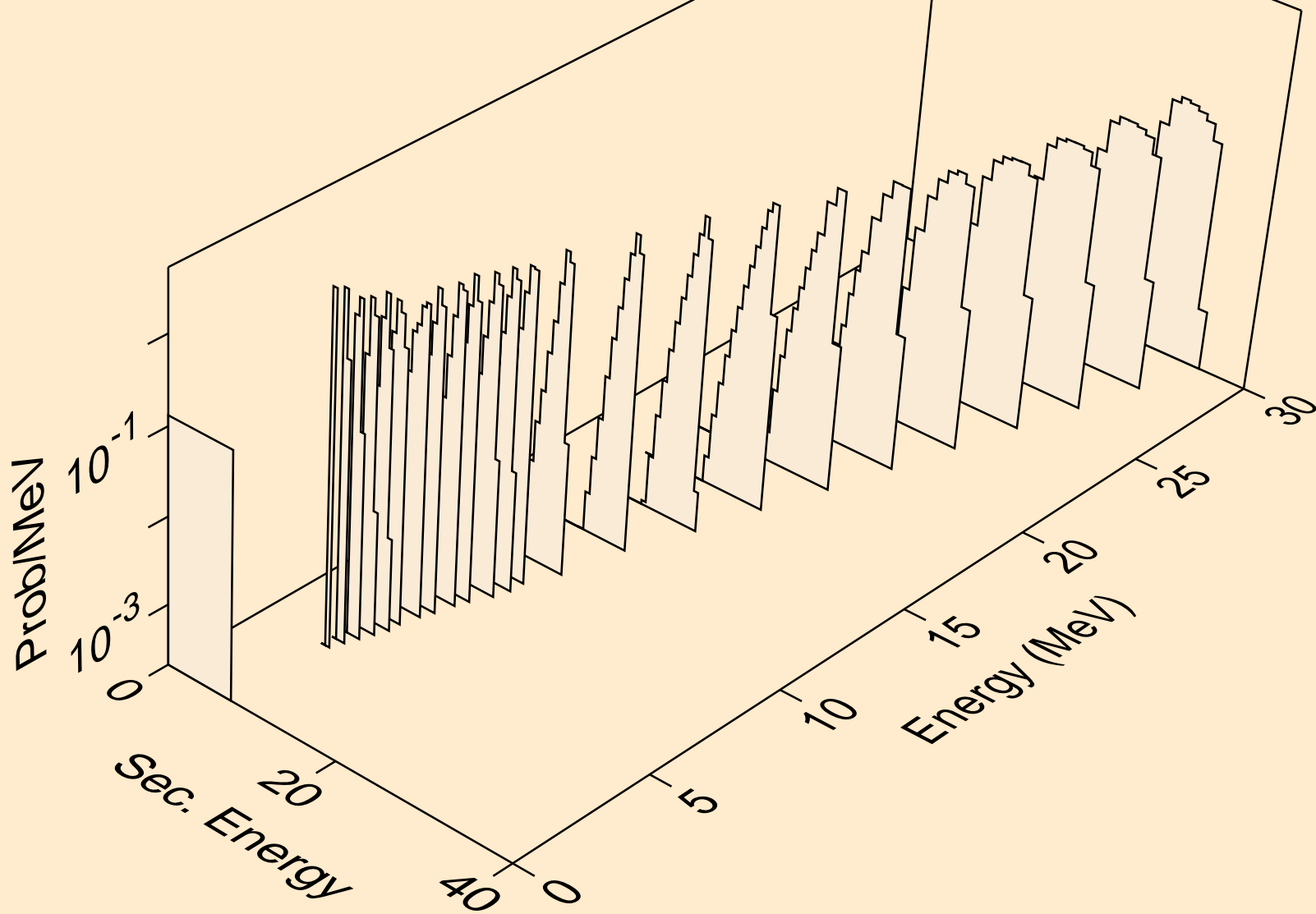
NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,he3)



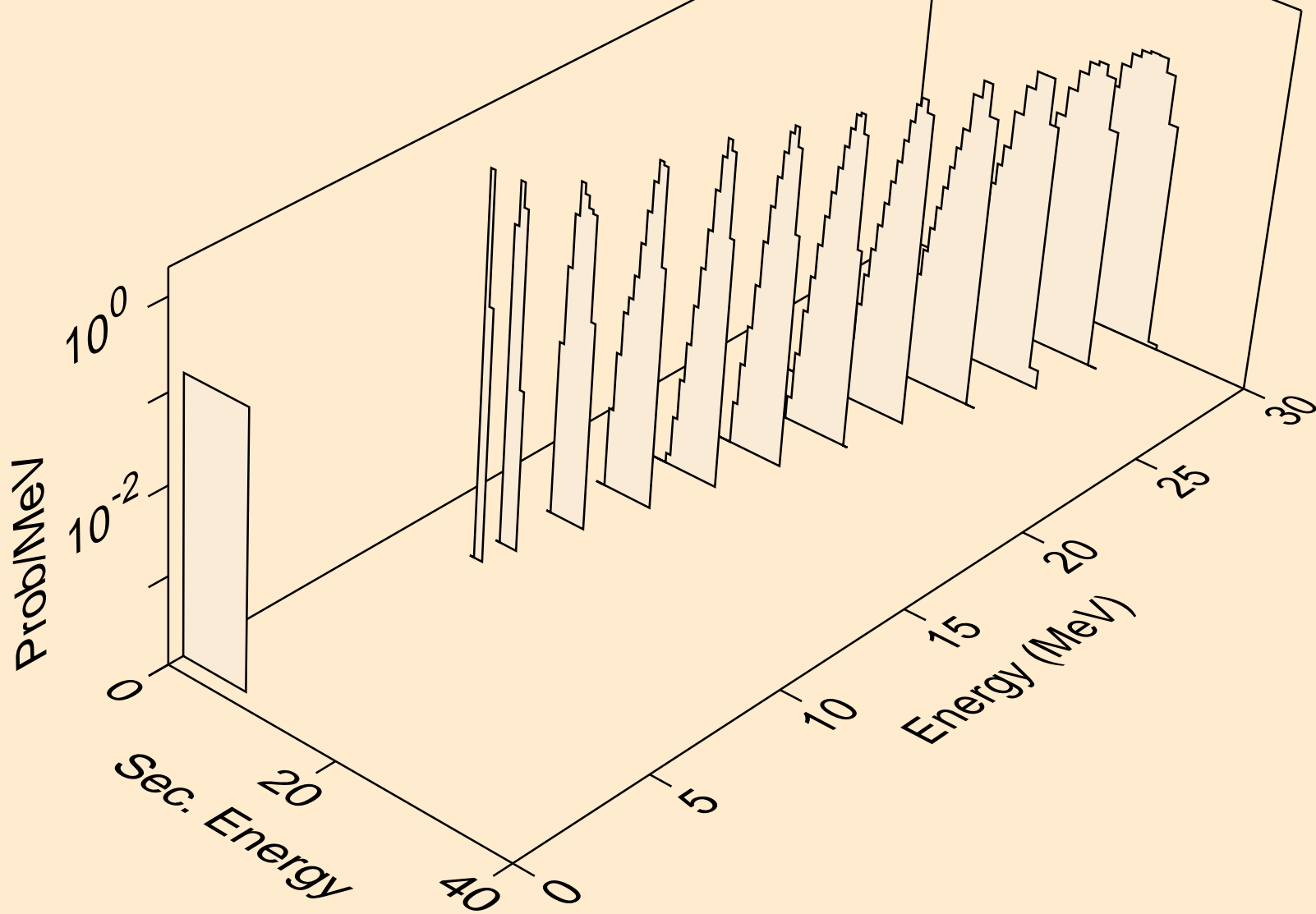
NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,x)



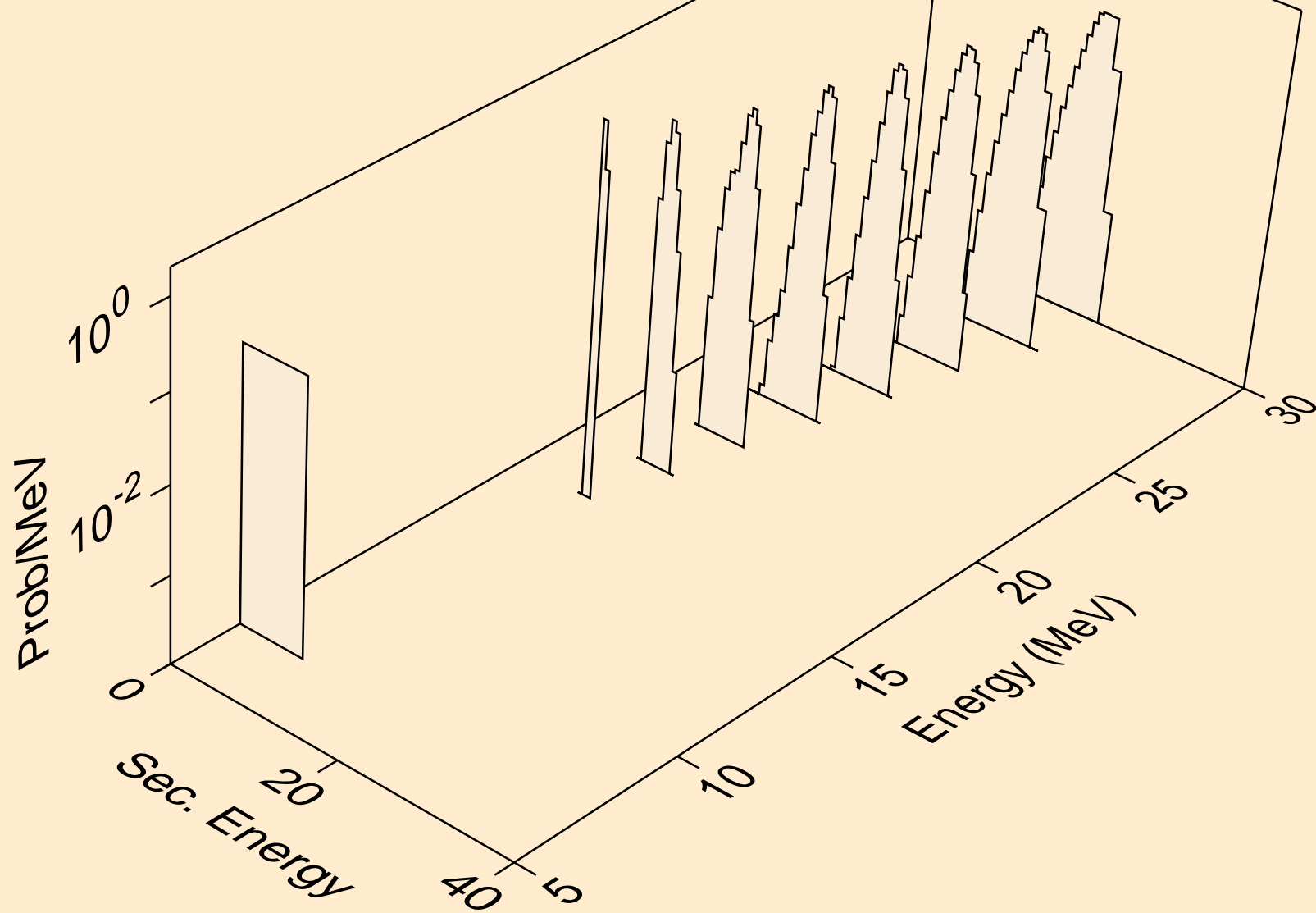
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alphas from (n,n\*)a



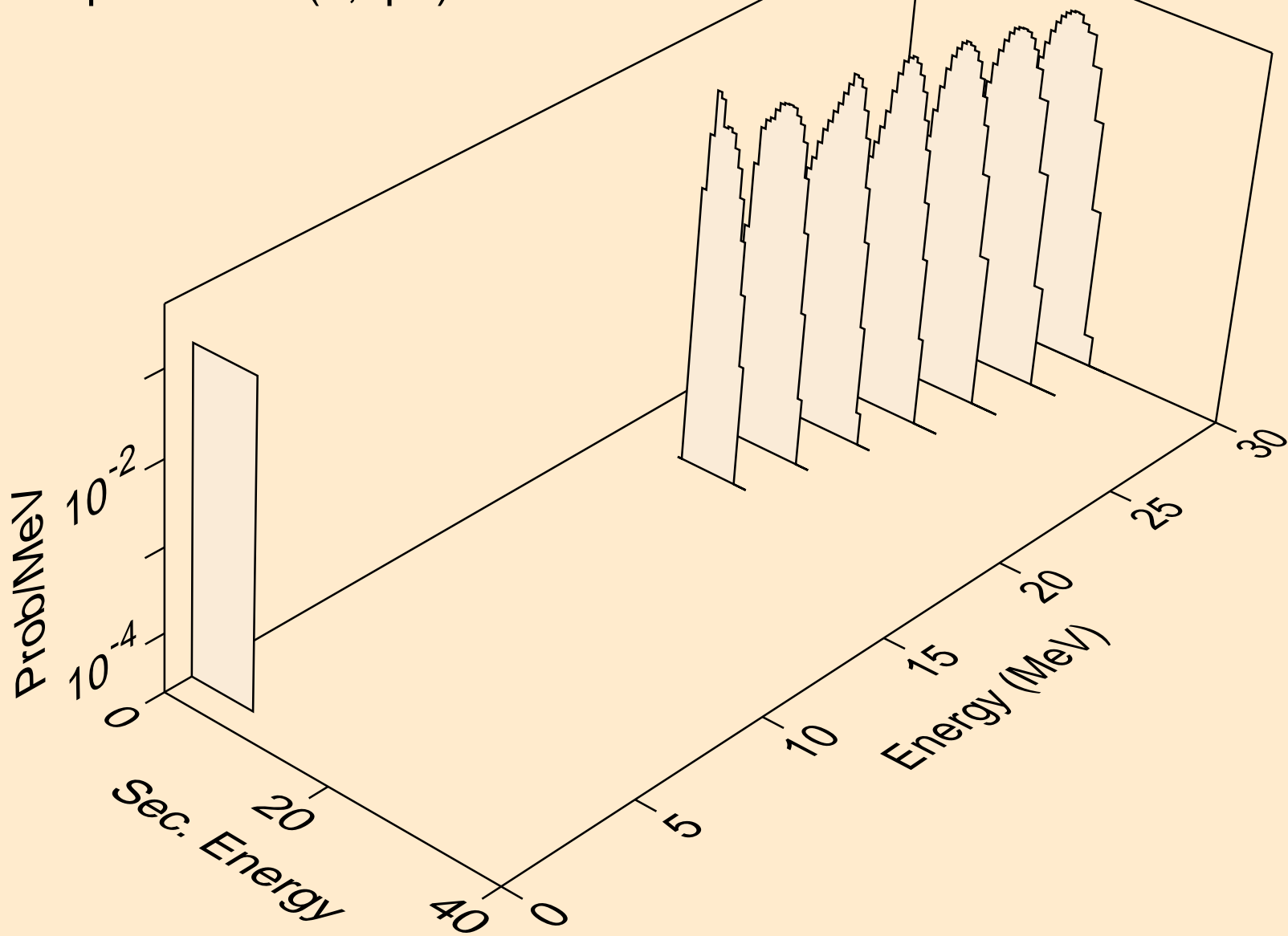
NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2n)a



NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,3n)a

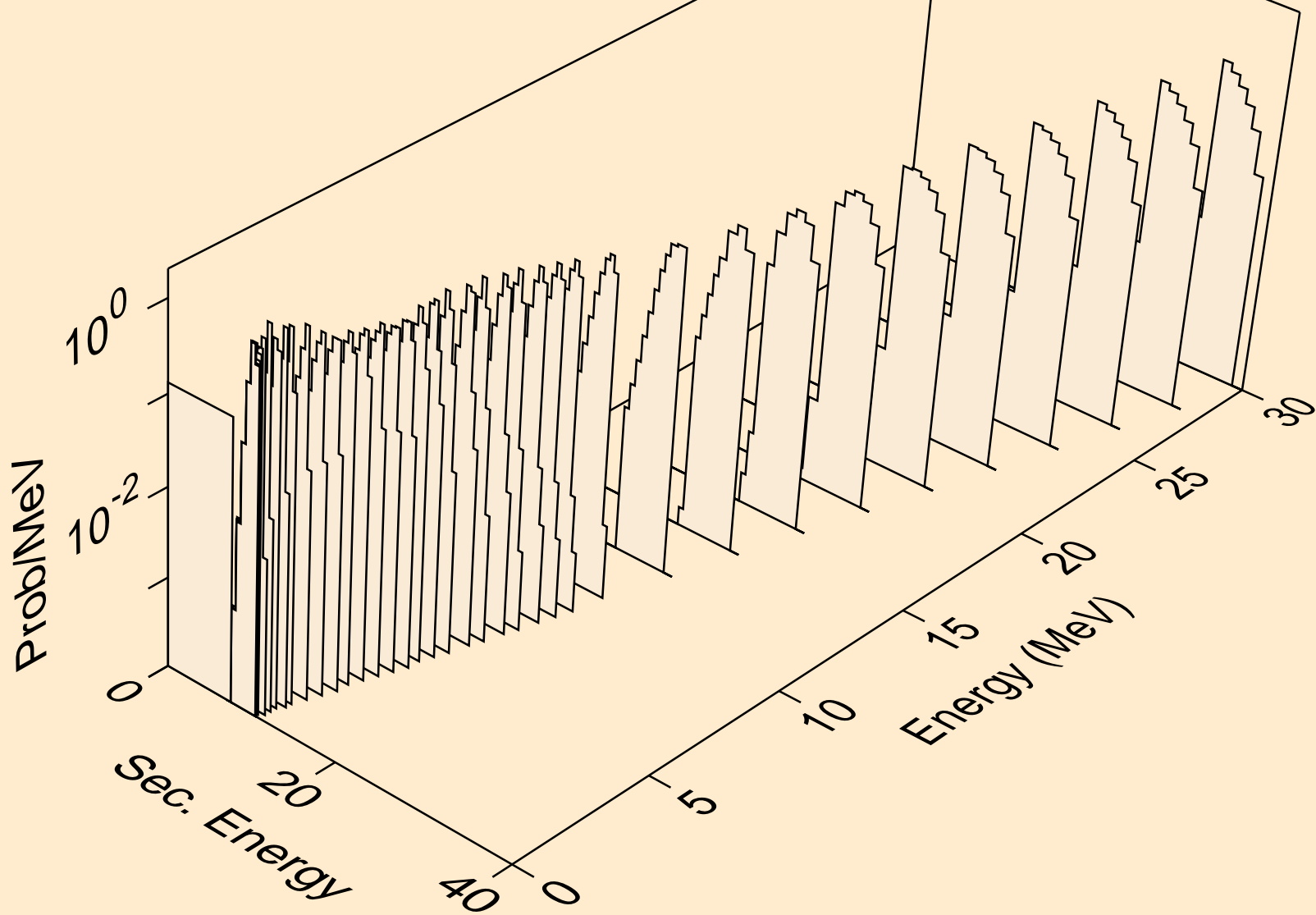


NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,npa)





NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,a)



NP238 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,pa)

