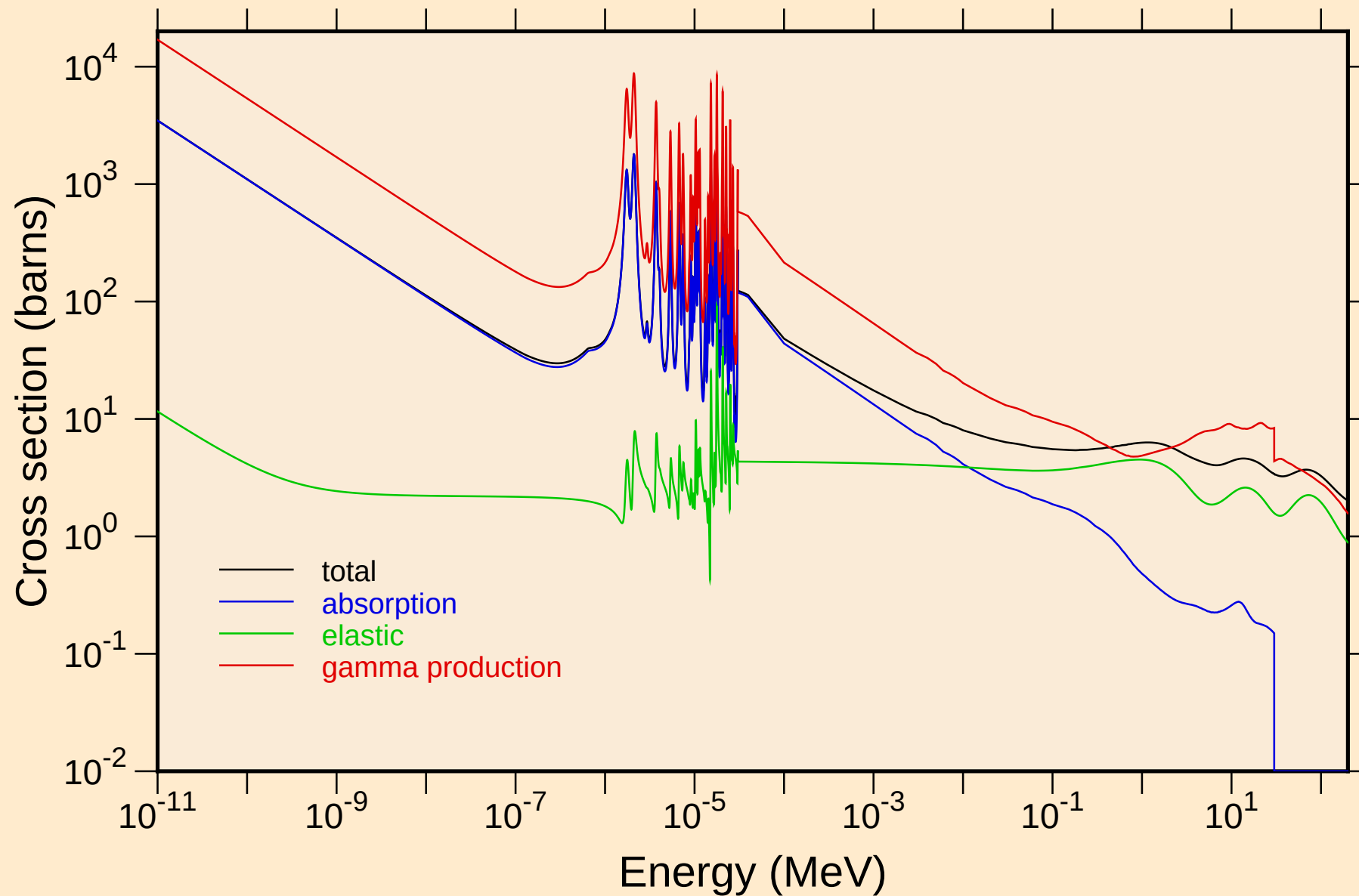
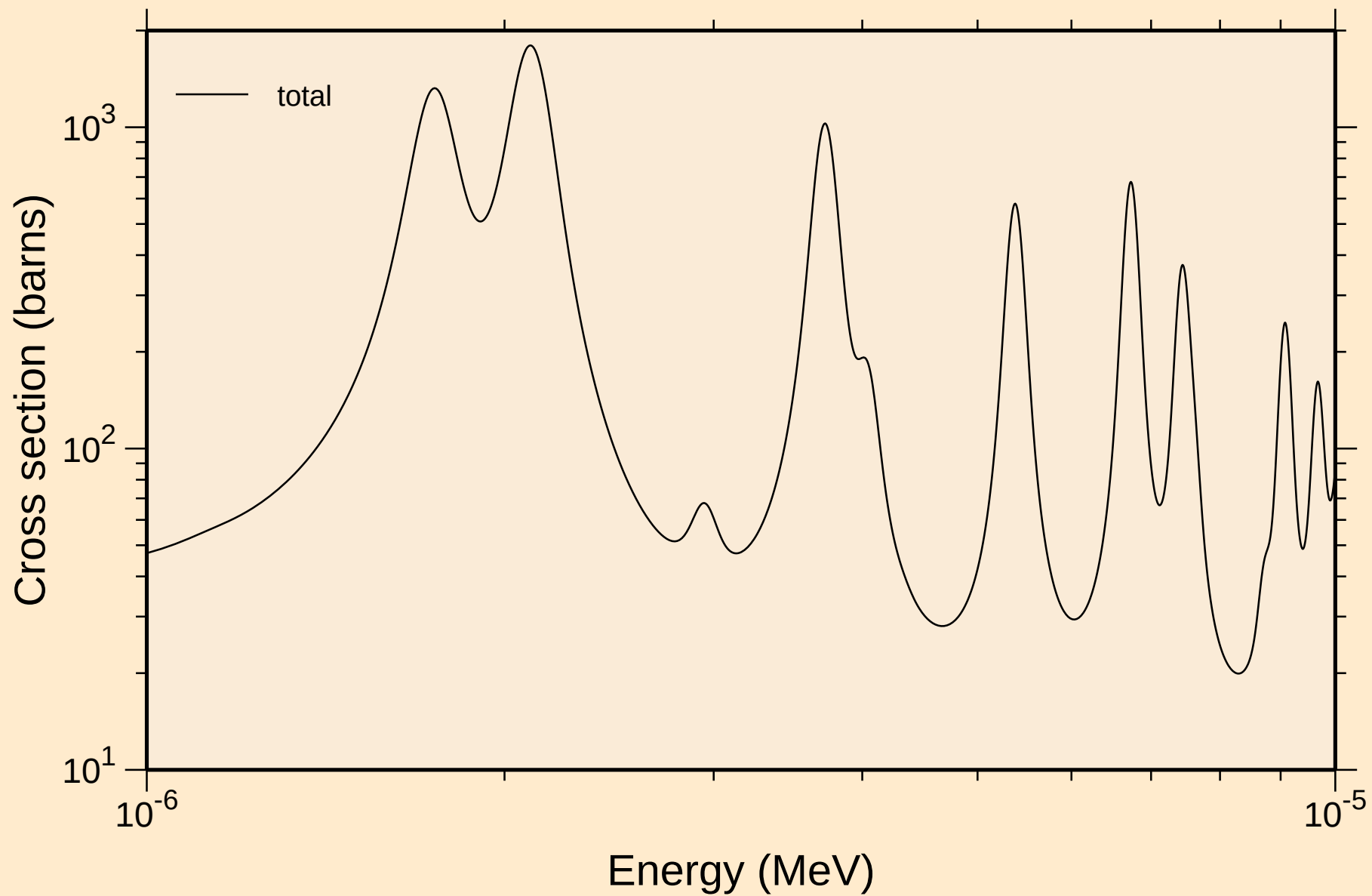


# XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

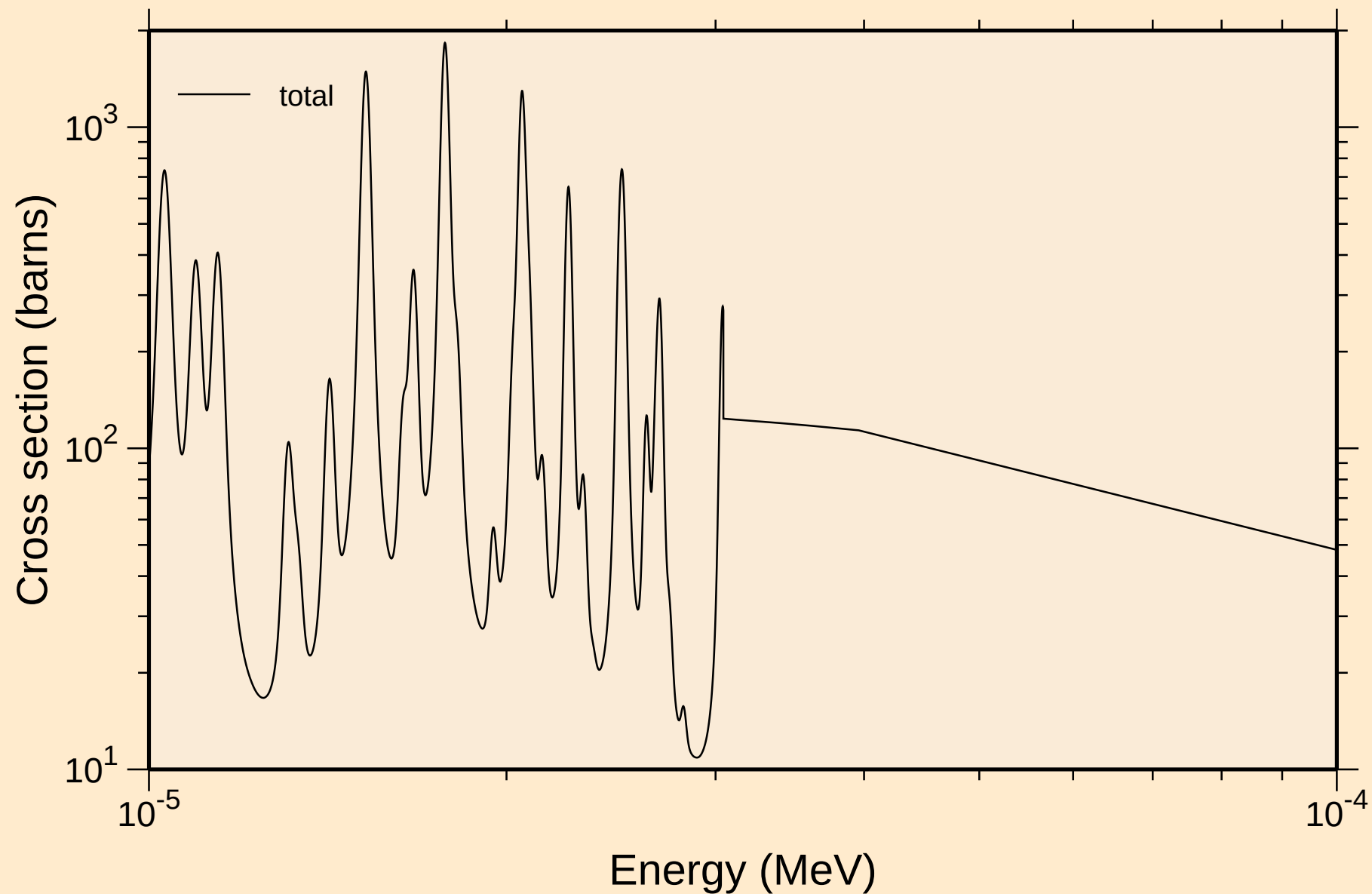
## Principal cross sections



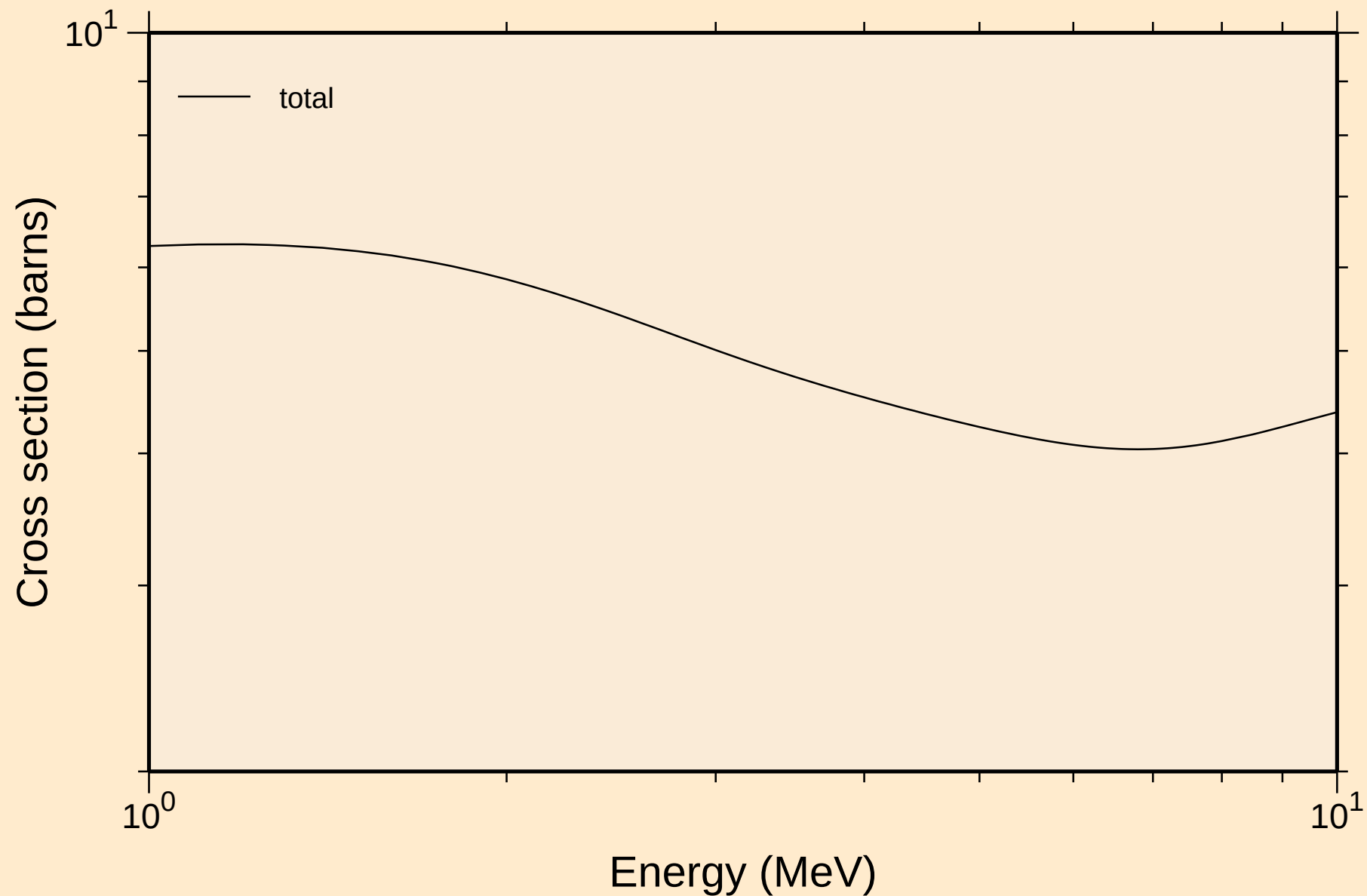
XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance total cross section



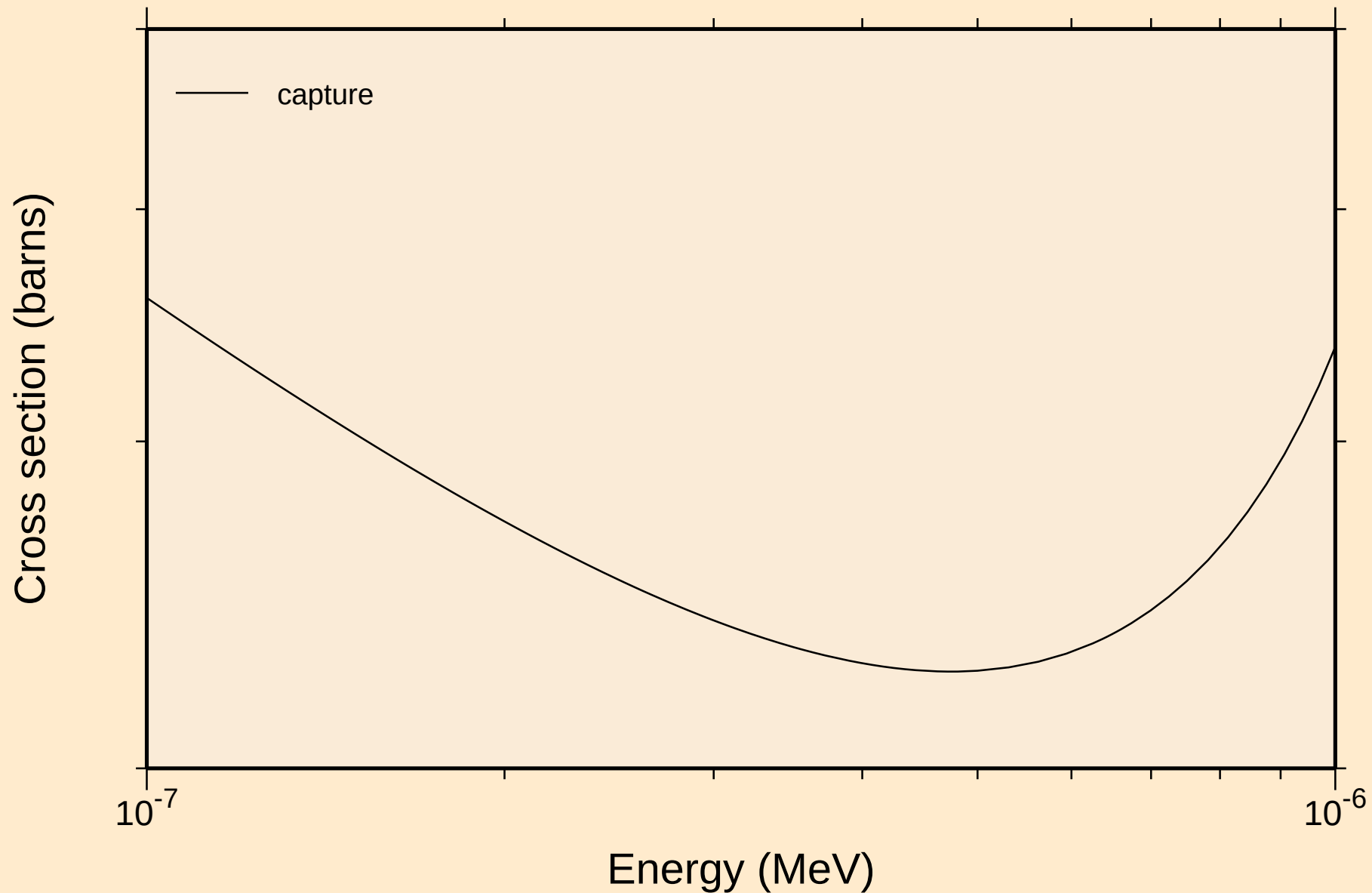
XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance total cross section



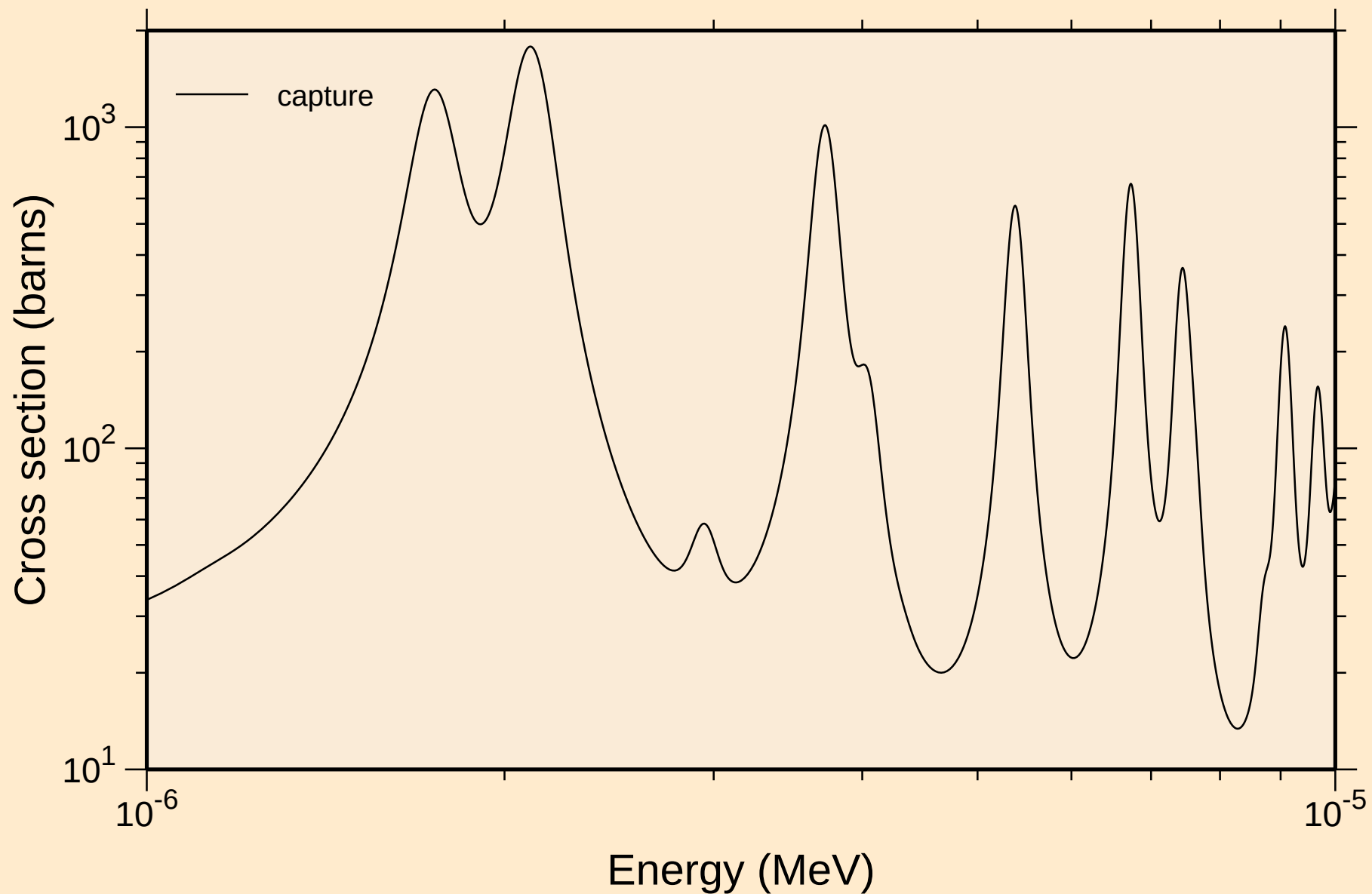
XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance total cross section



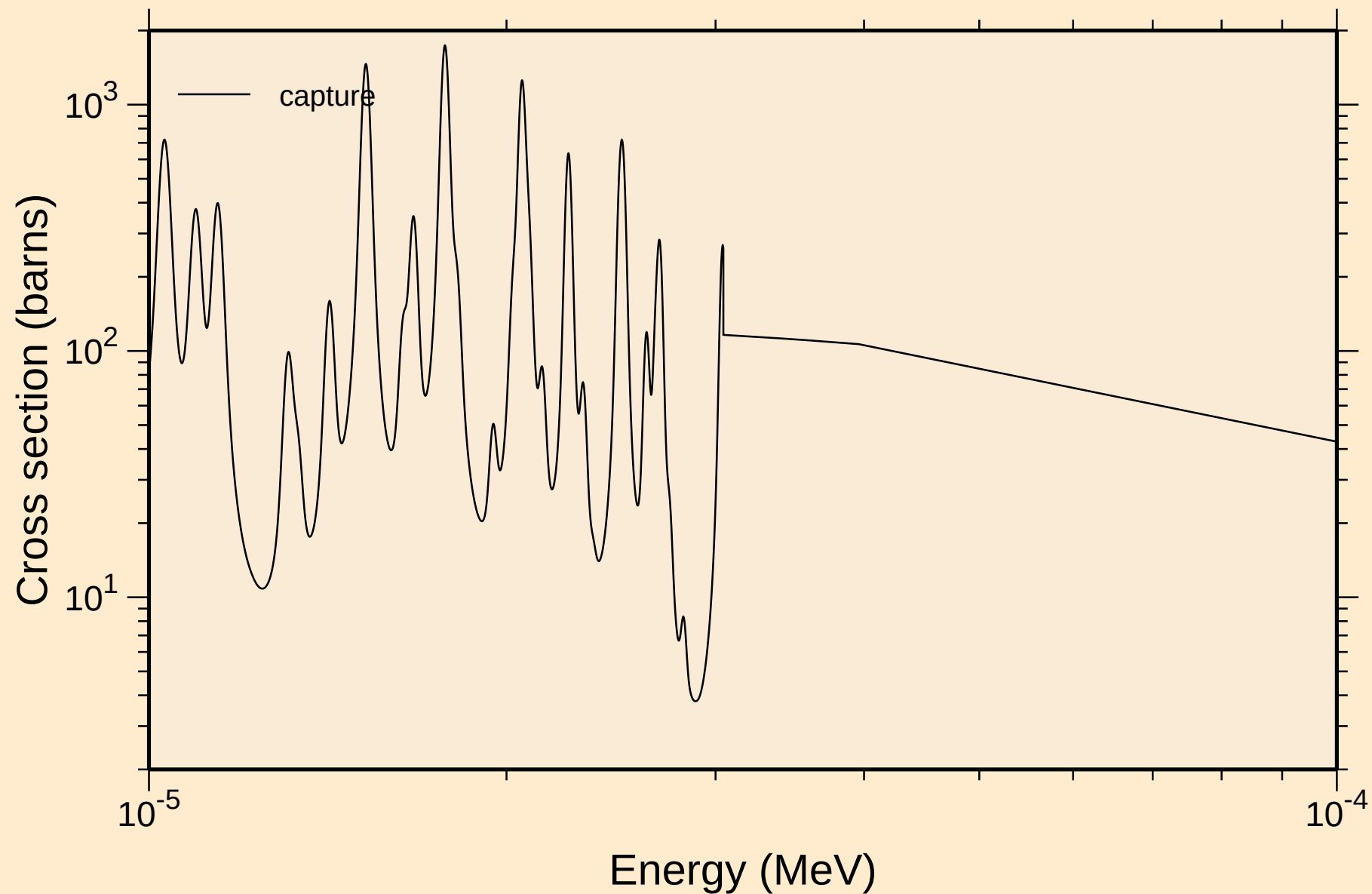
XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance absorption cross sections



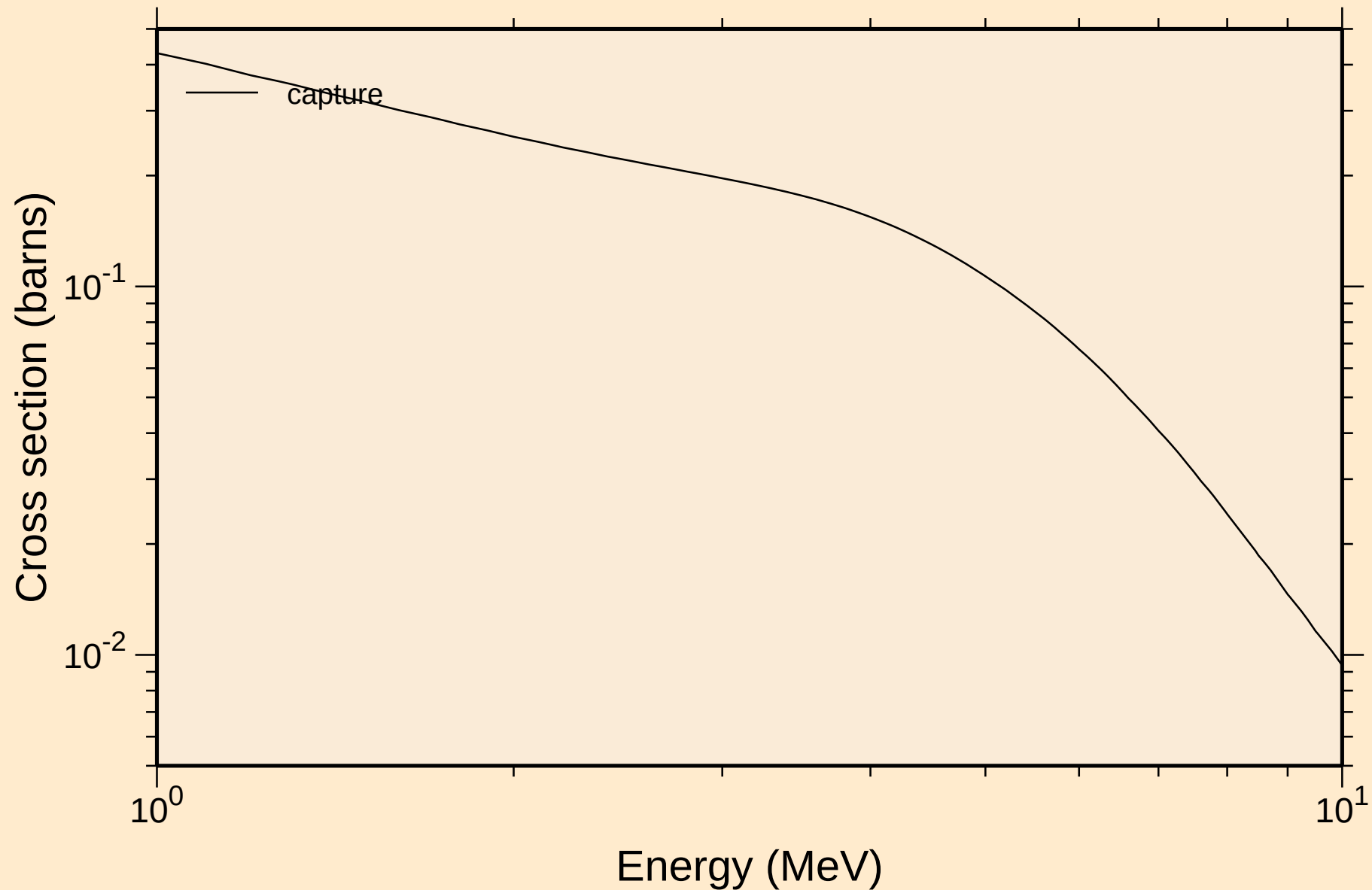
XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance absorption cross sections



XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance absorption cross sections



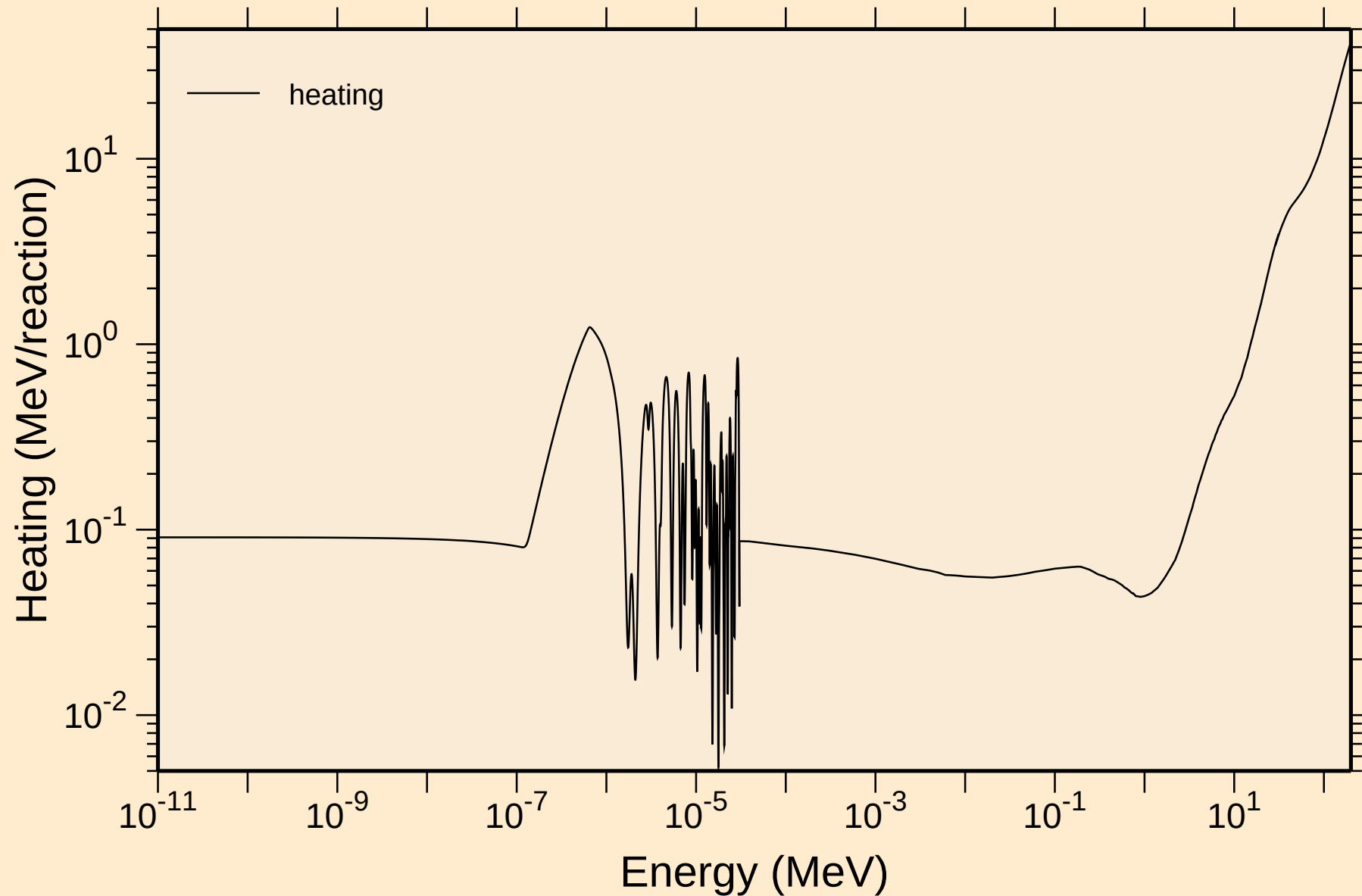
XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance absorption cross sections





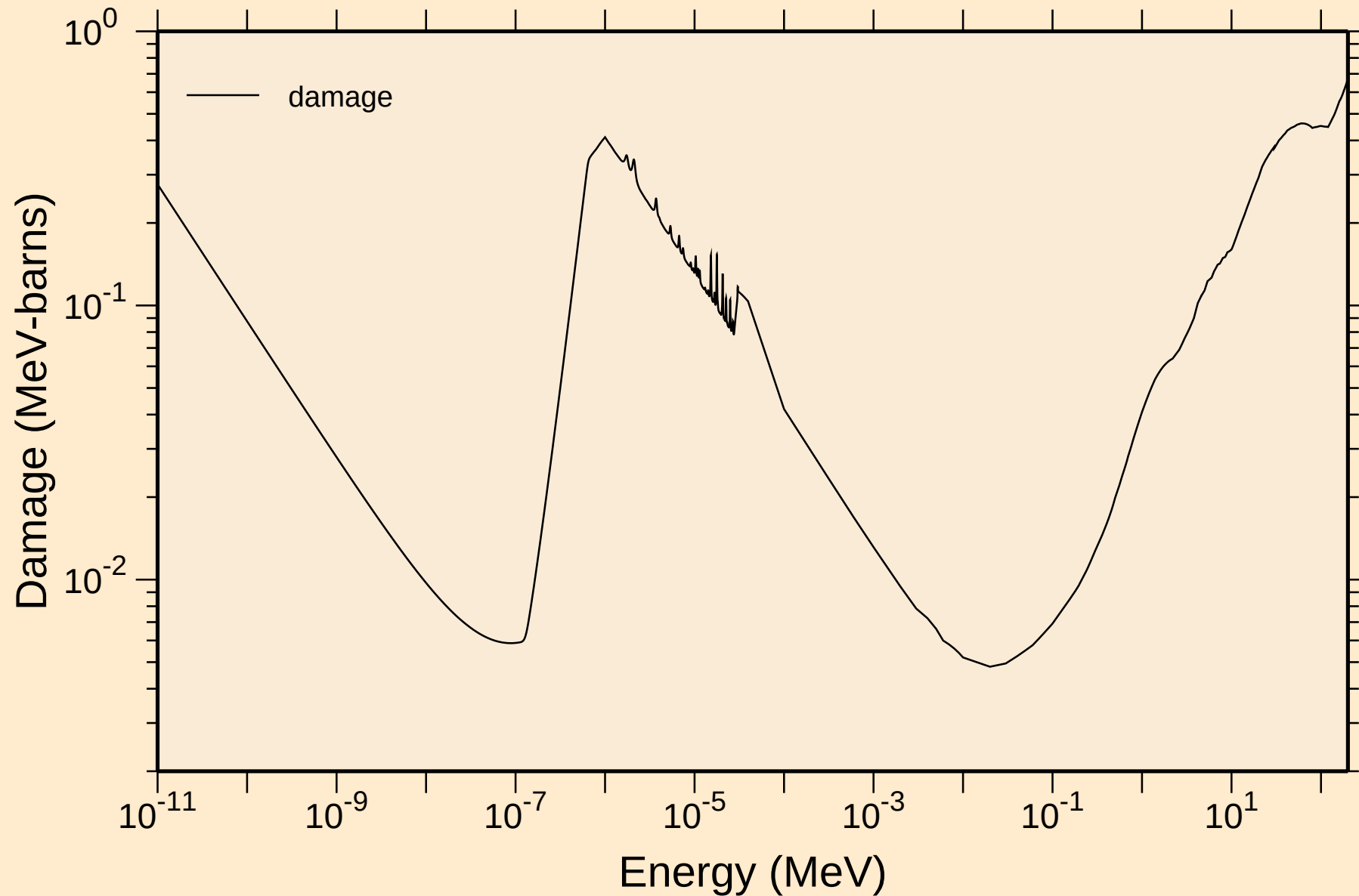
# XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

Heating

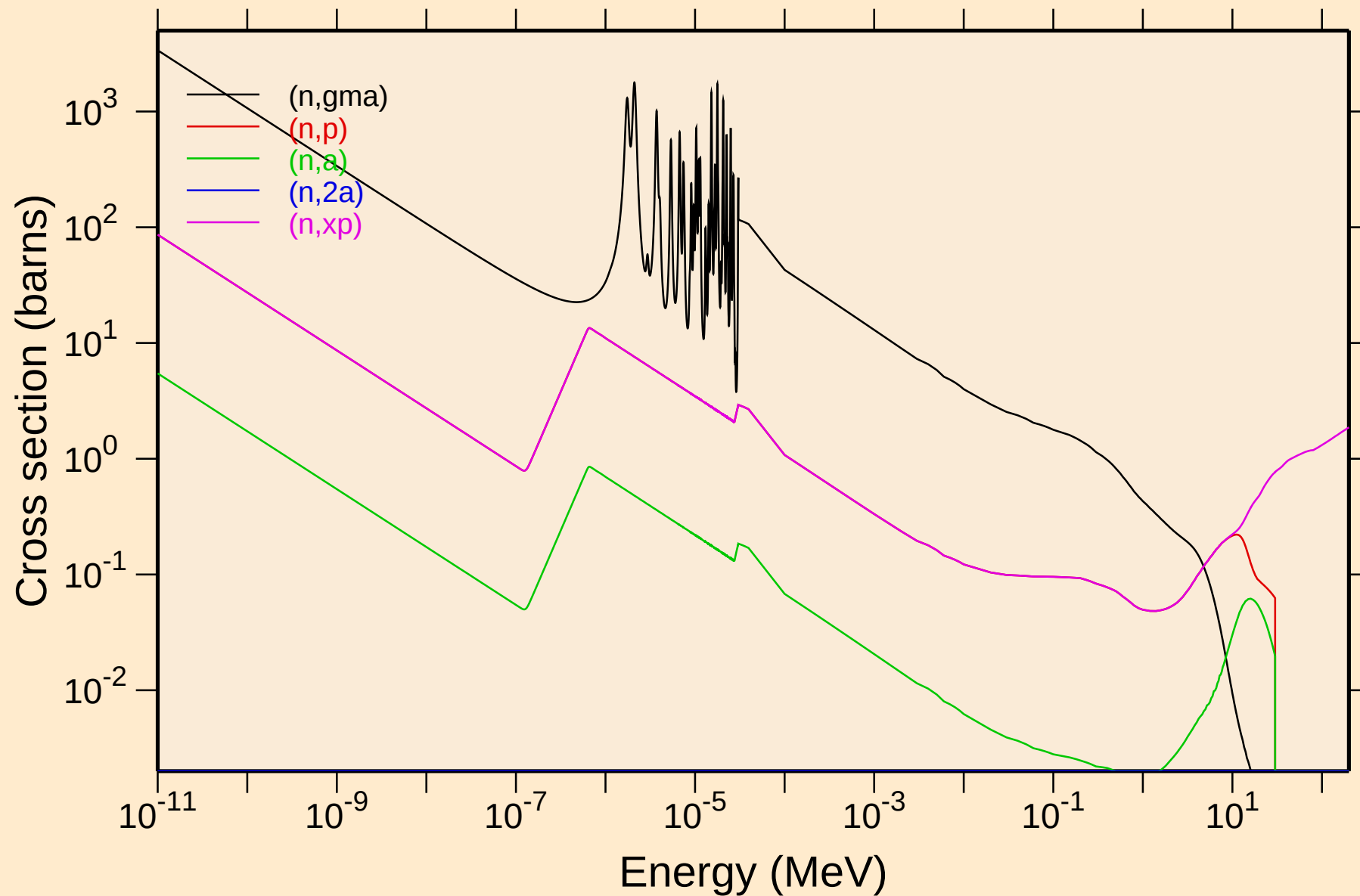


# XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

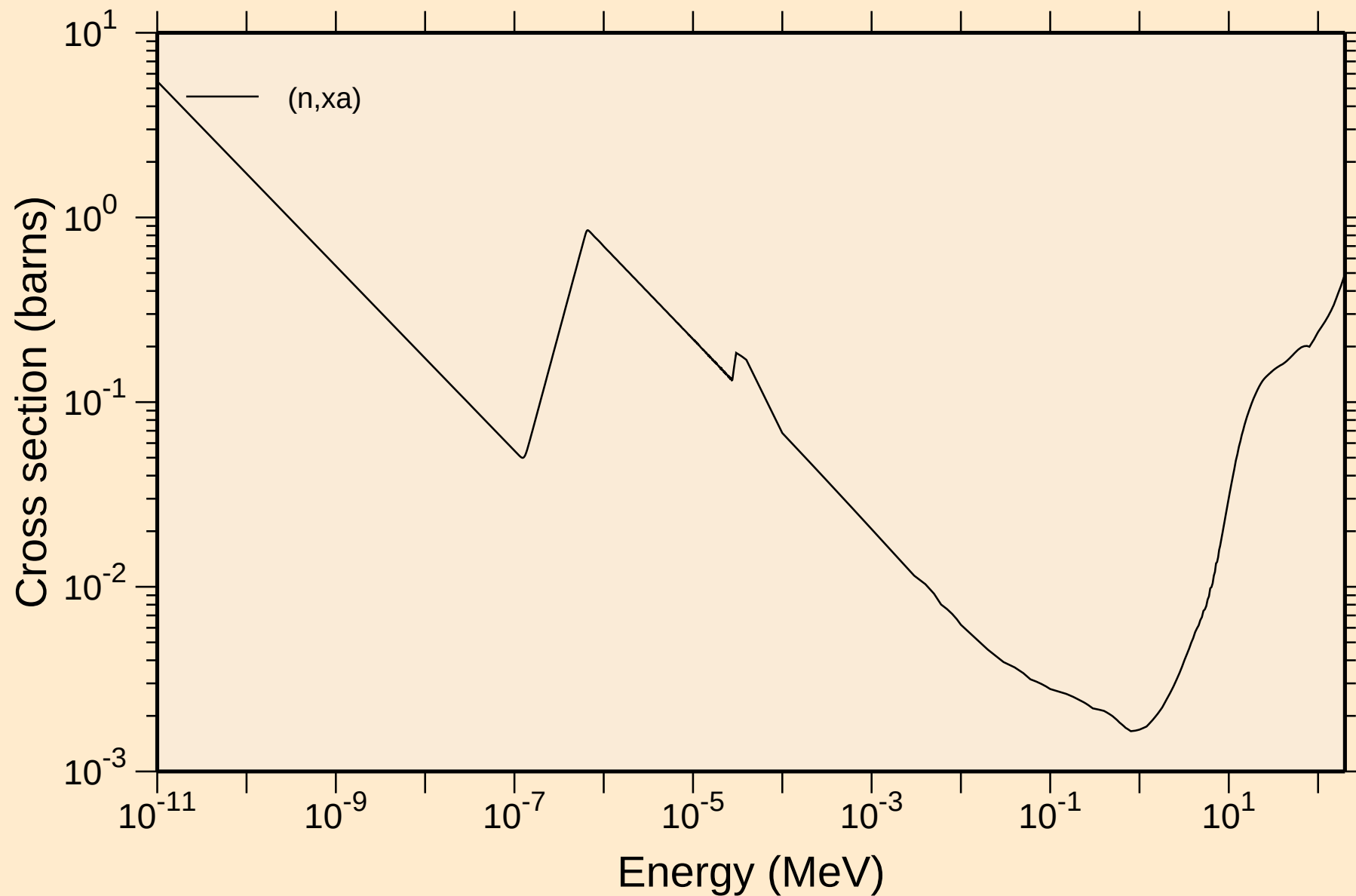
Damage



XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Non-threshold reactions

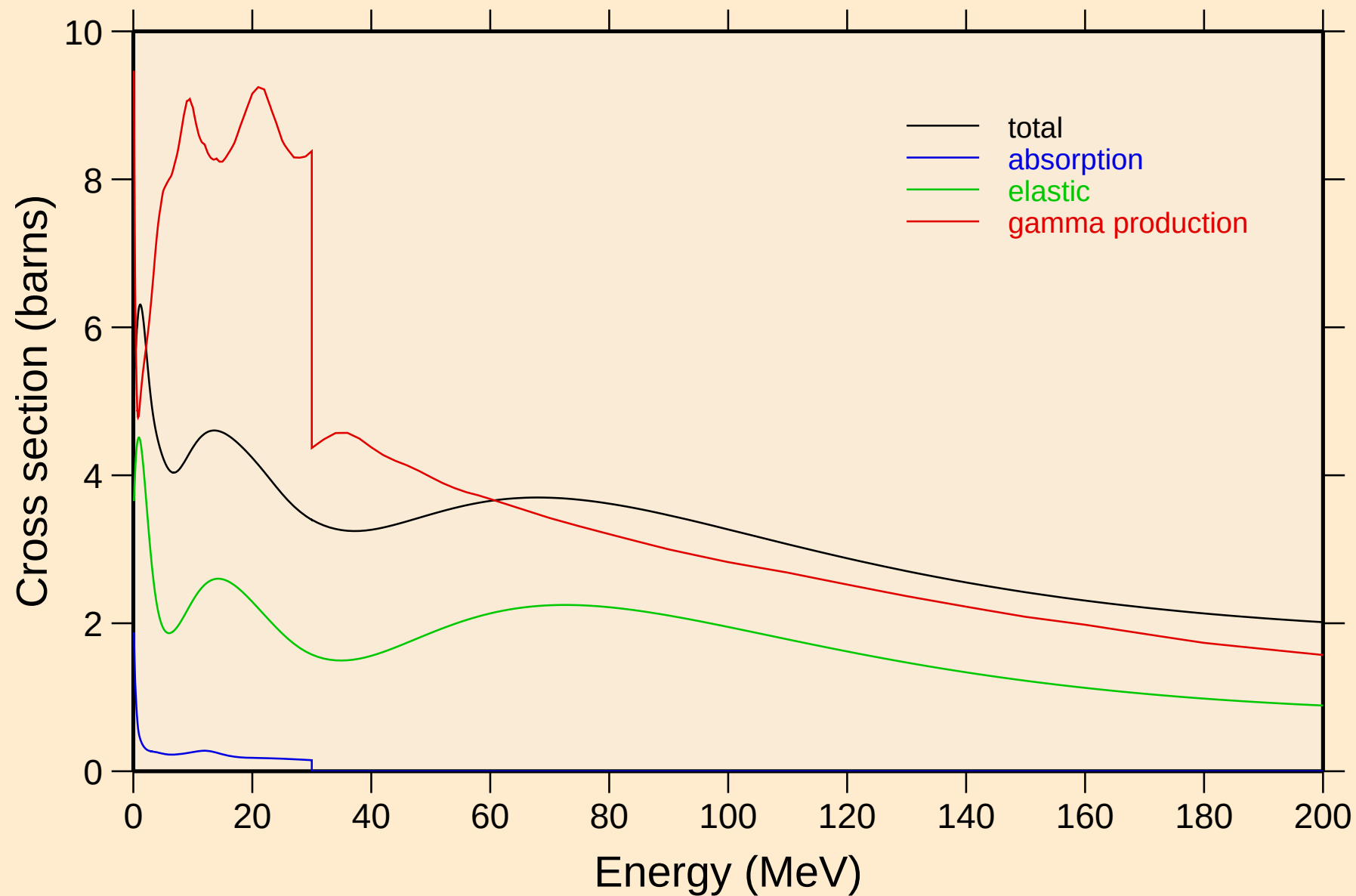


XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Non-threshold reactions



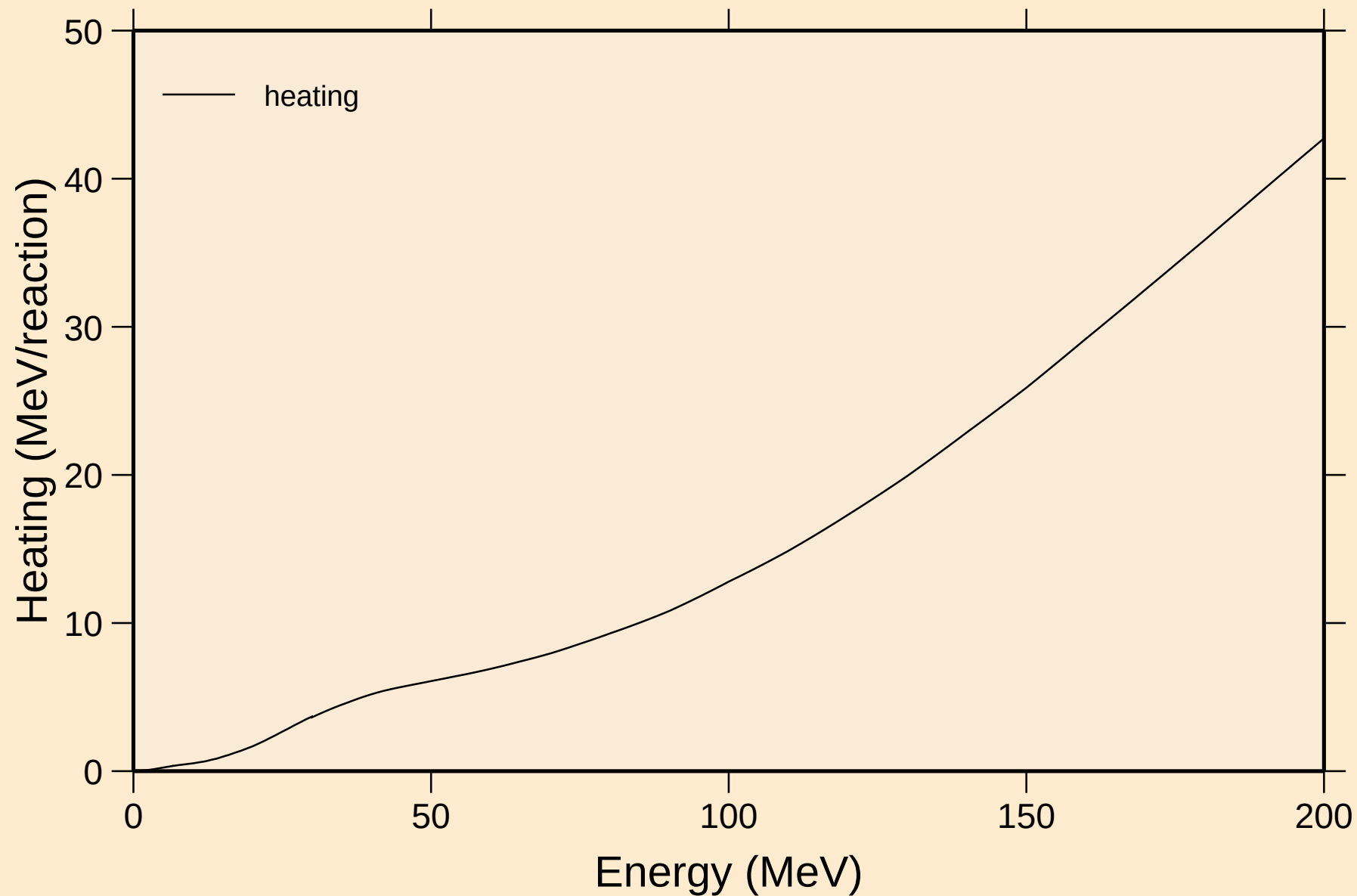
# XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

## Principal cross sections



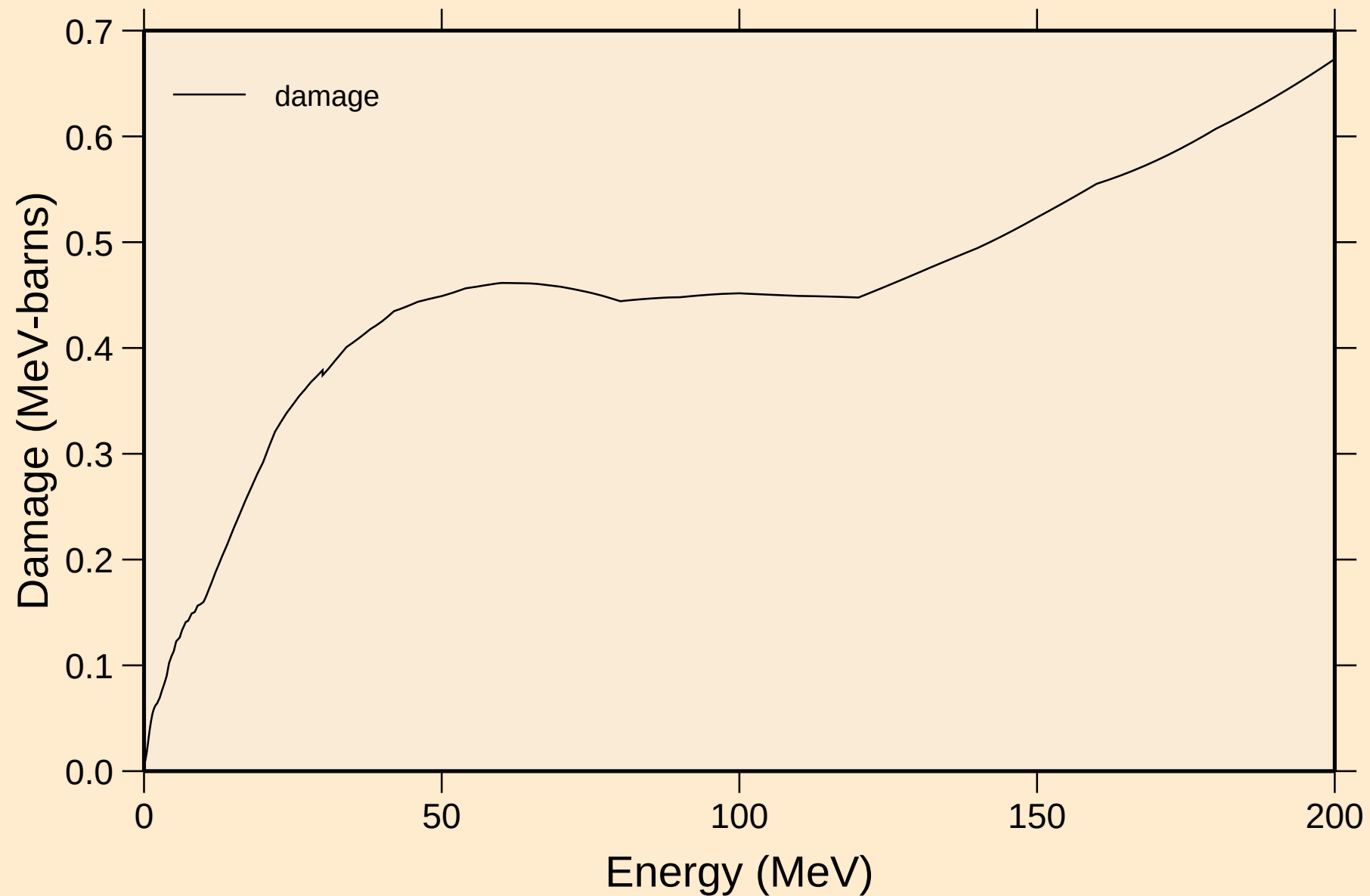
# XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

Heating

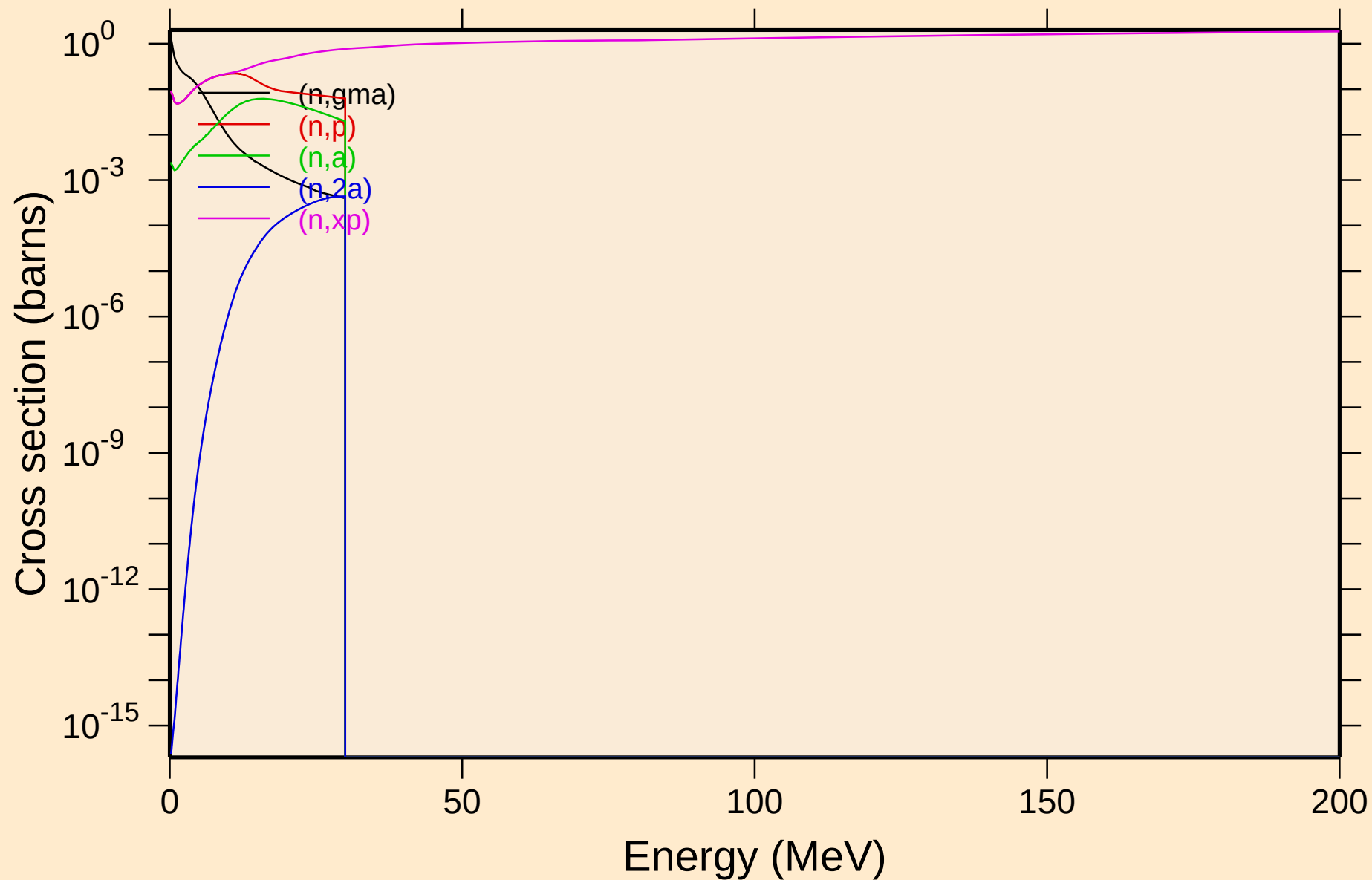


# XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

Damage

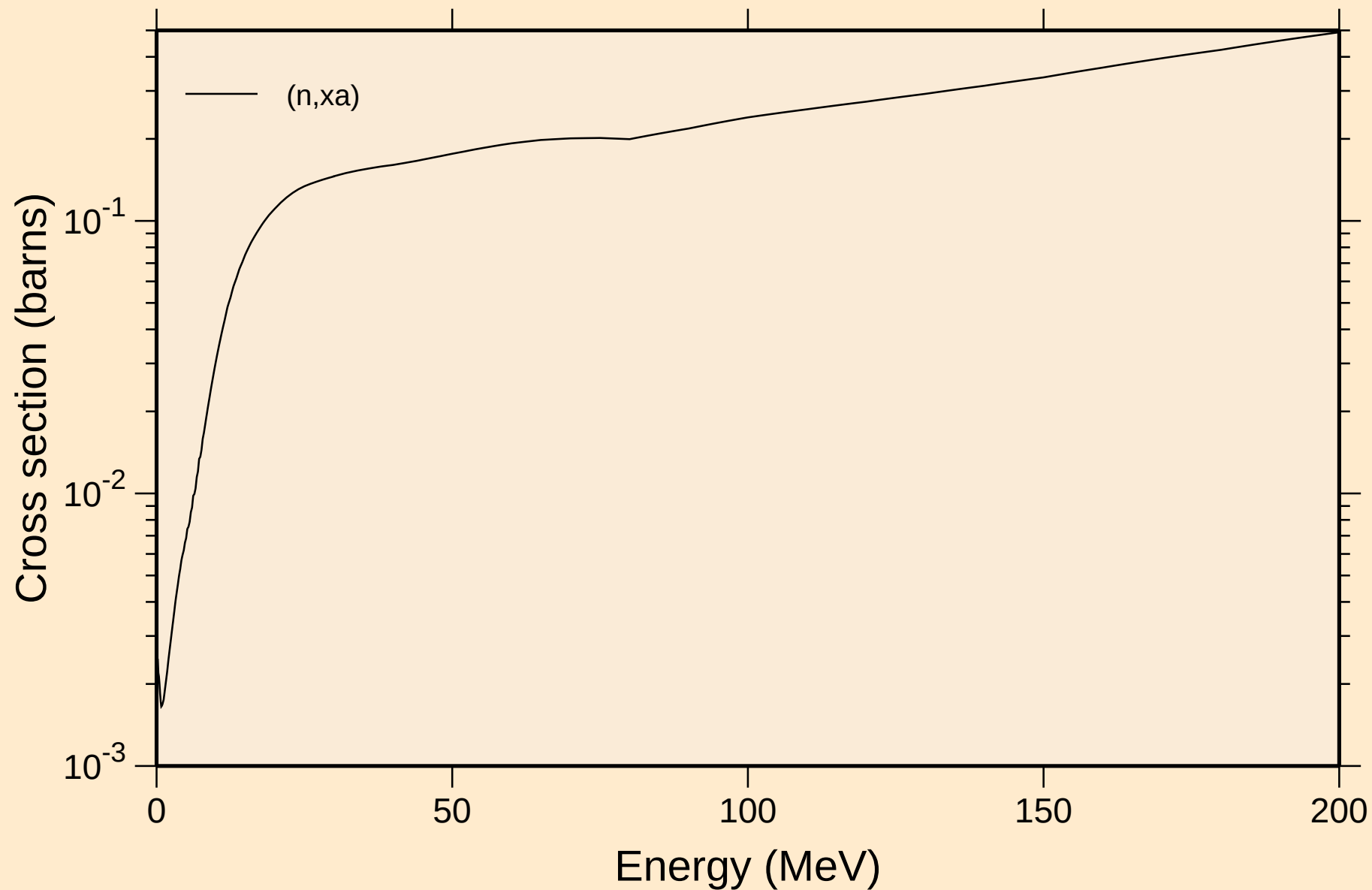


XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Non-threshold reactions

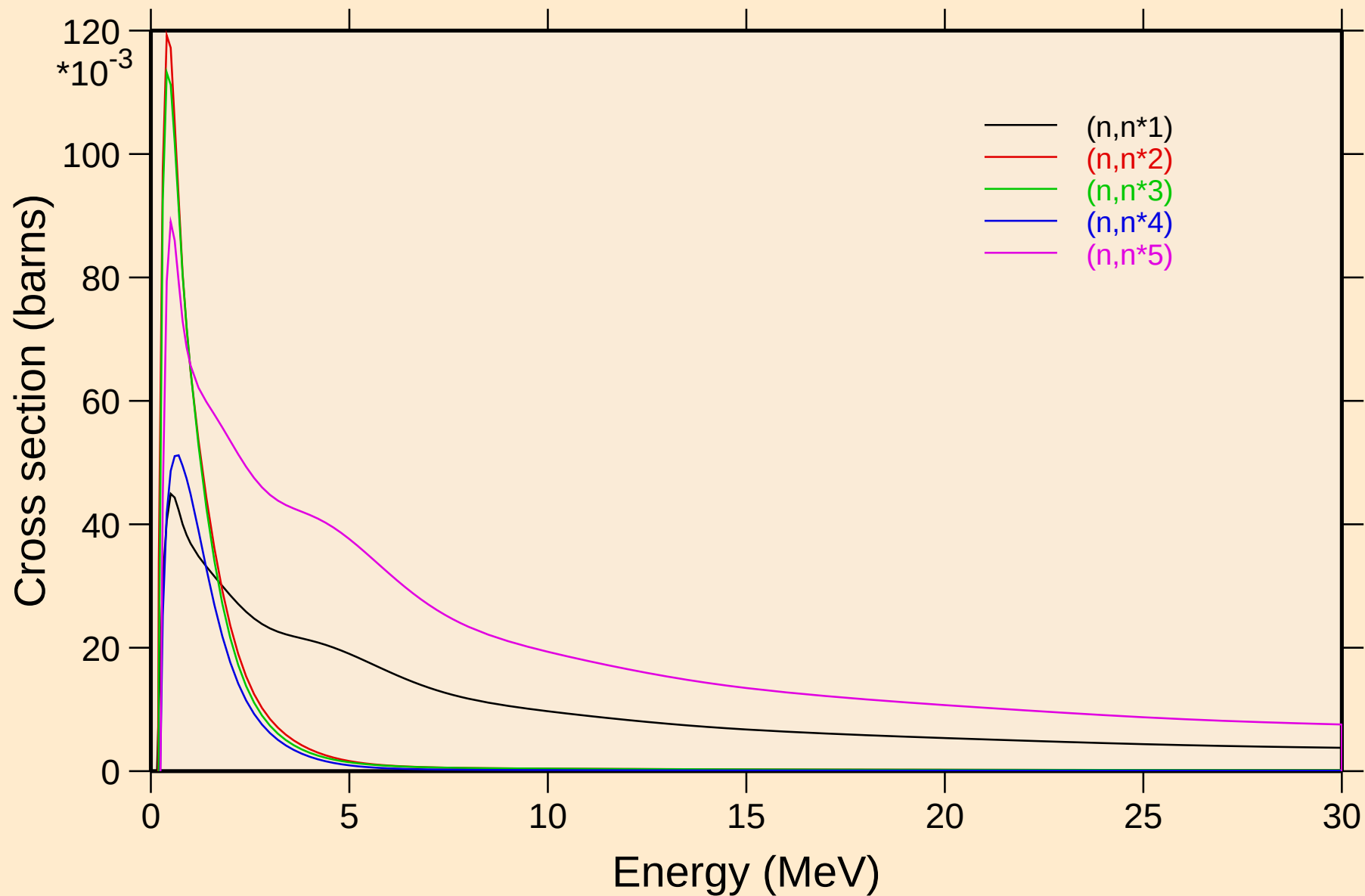




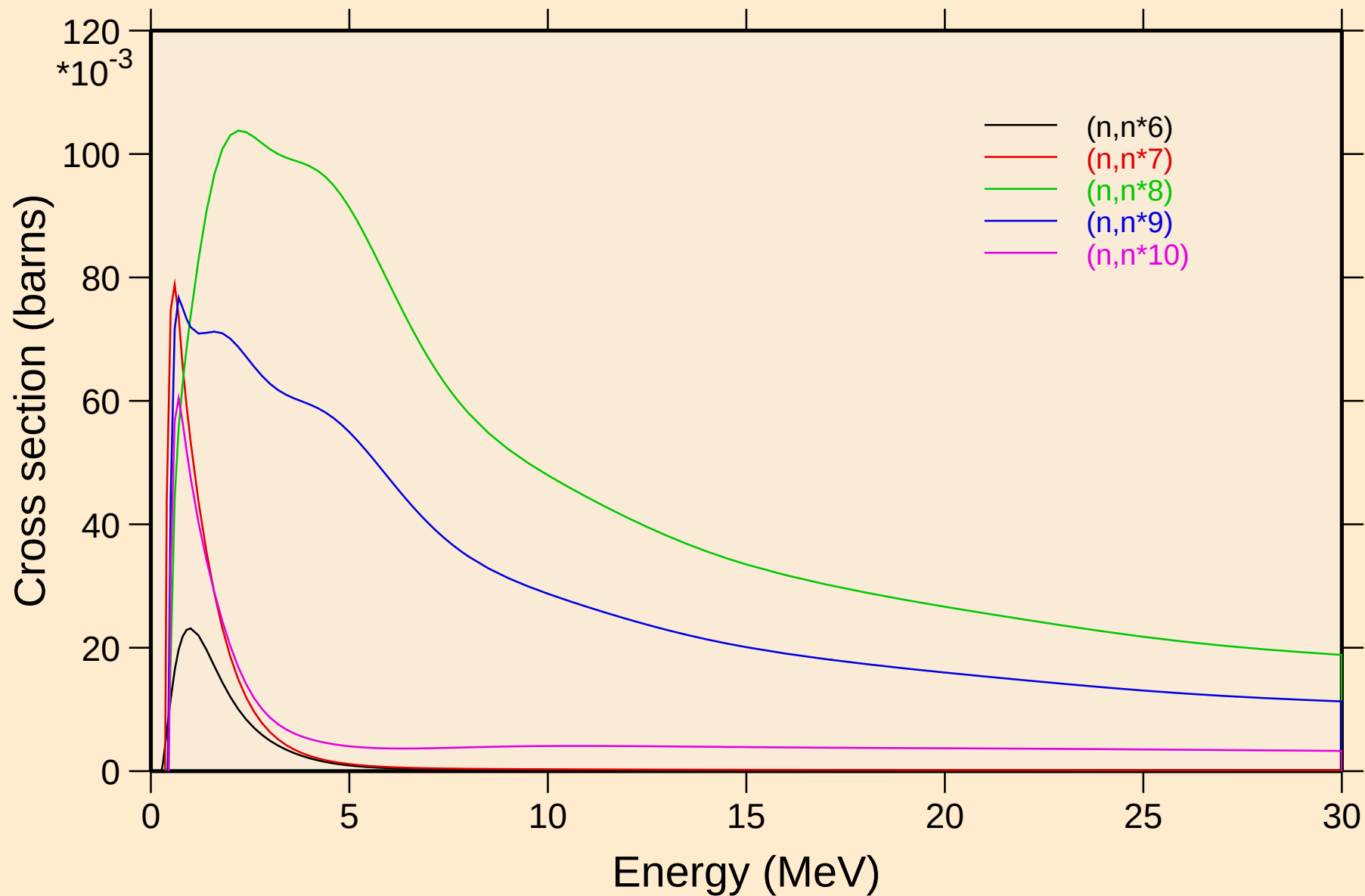
XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Non-threshold reactions



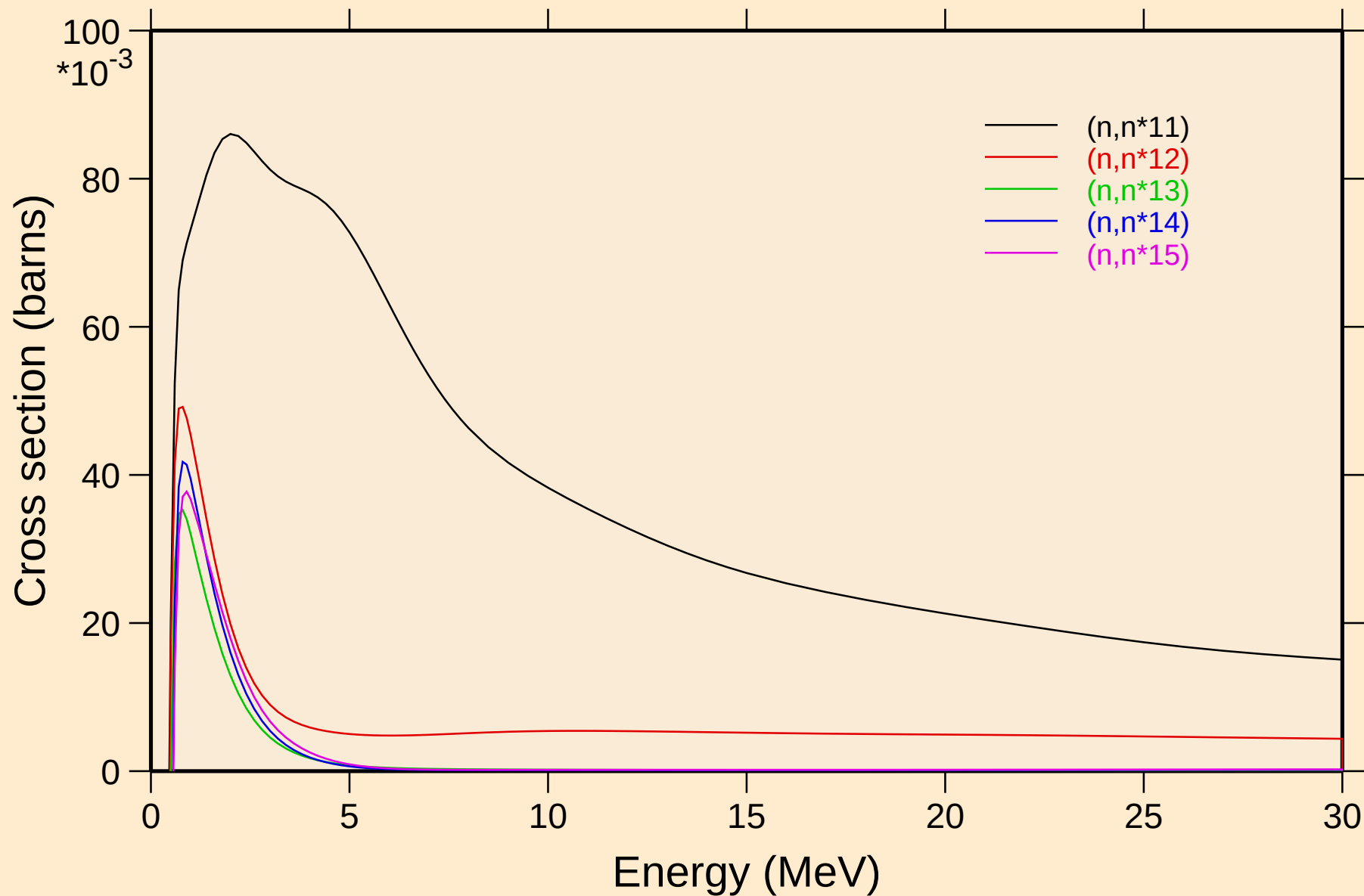
XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Inelastic levels



XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Inelastic levels

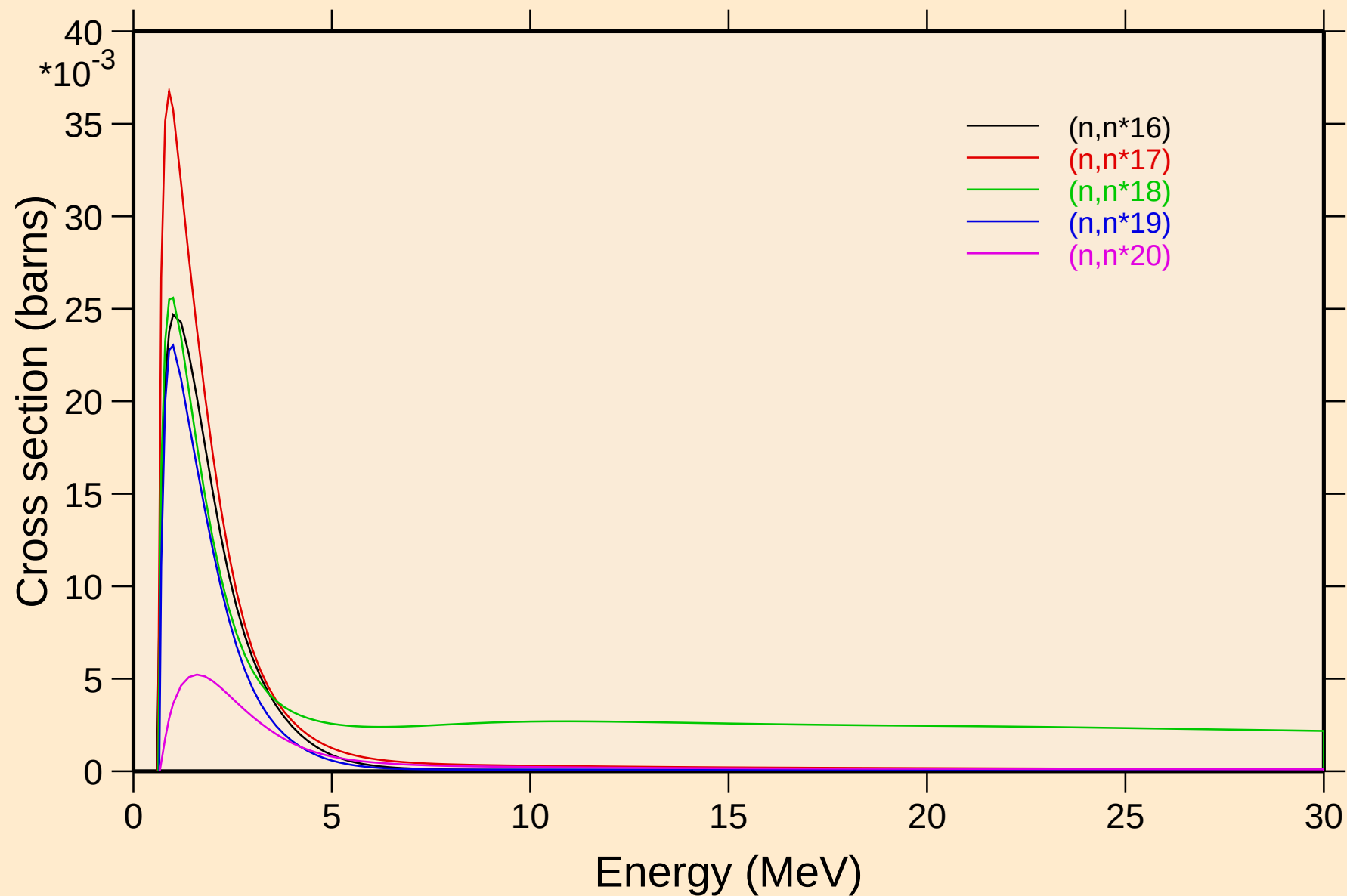


XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Inelastic levels



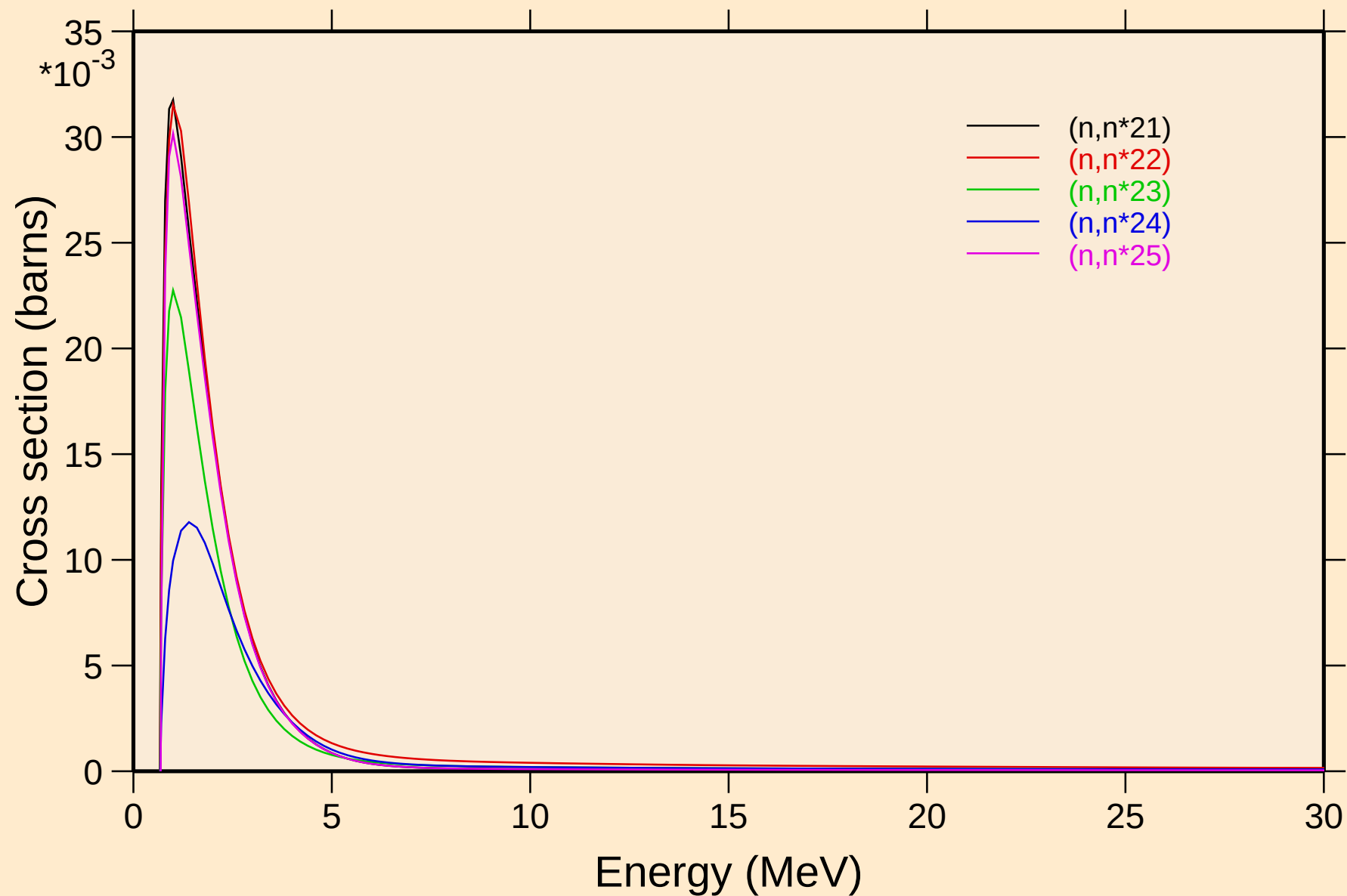
# XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

## Inelastic levels



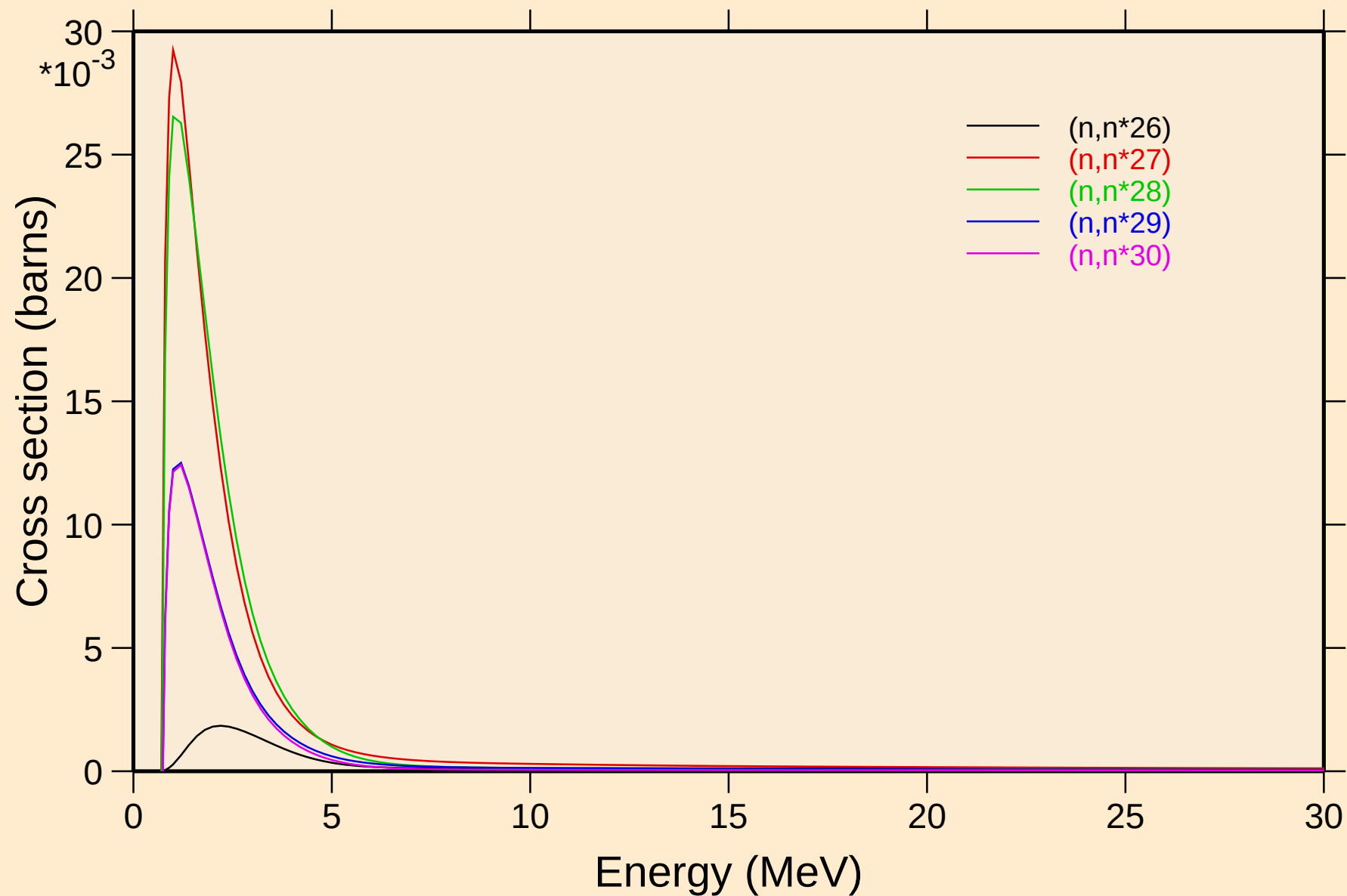
# XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

## Inelastic levels



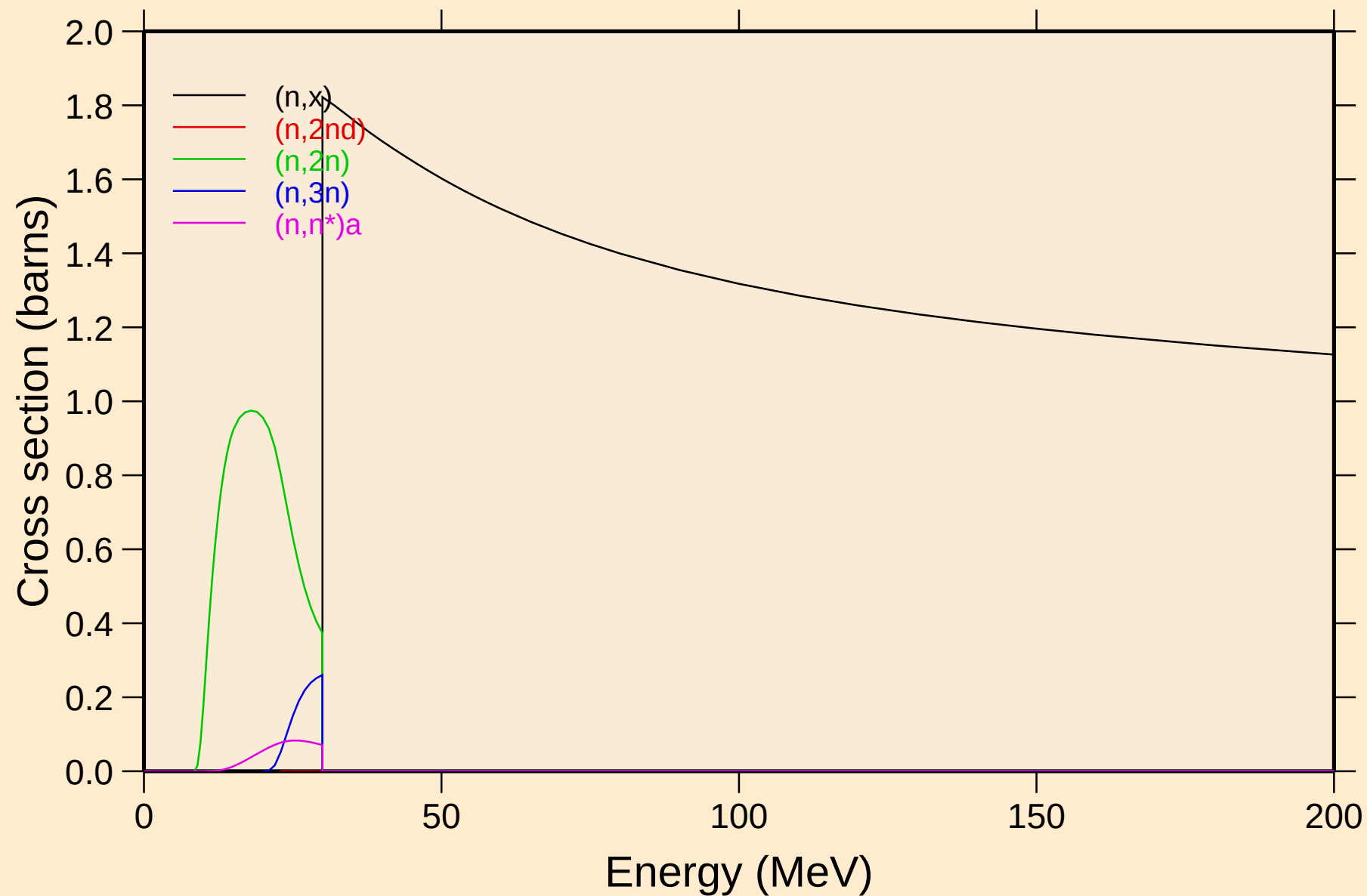
# XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

## Inelastic levels



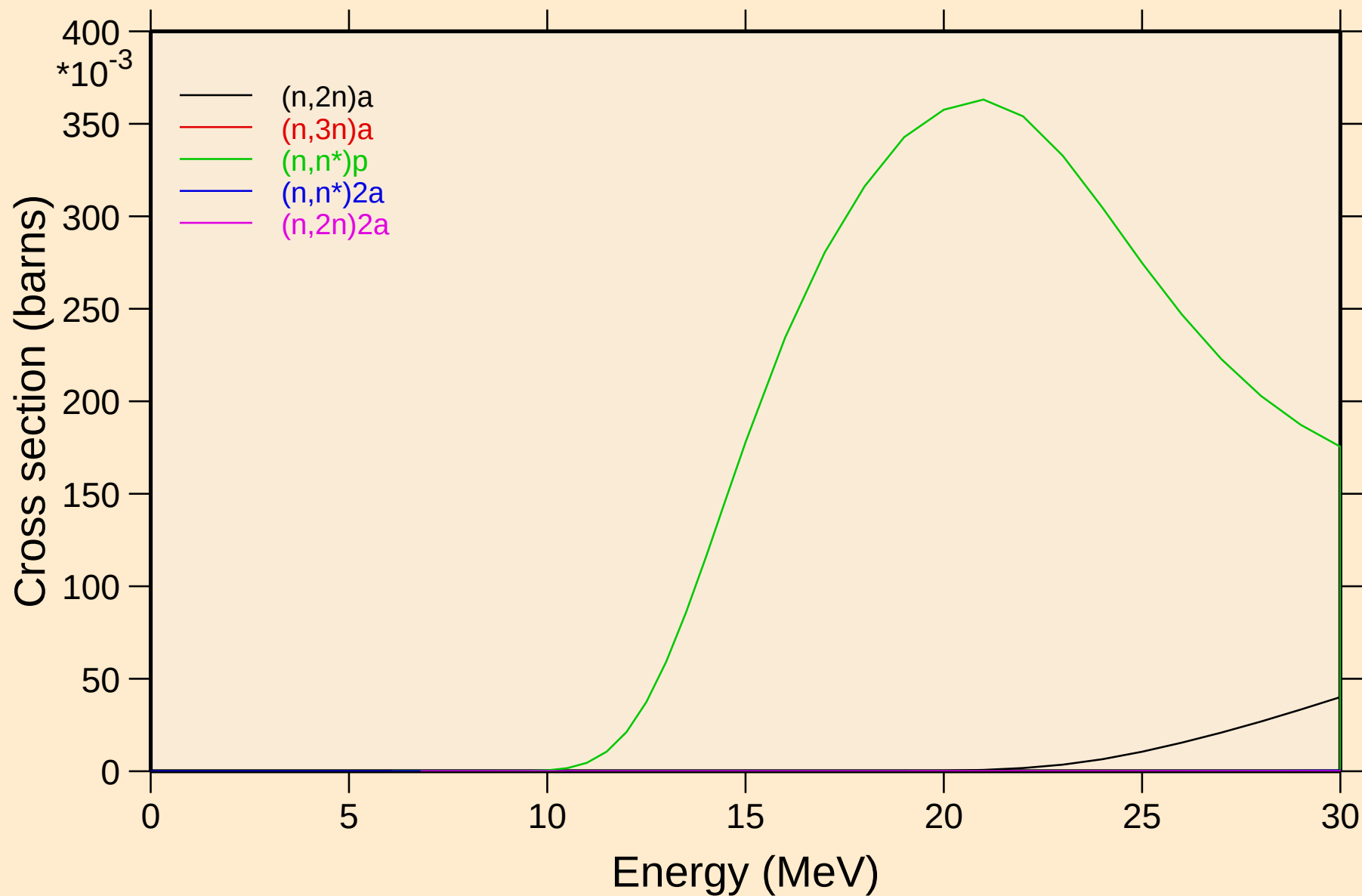
# XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

## Threshold reactions

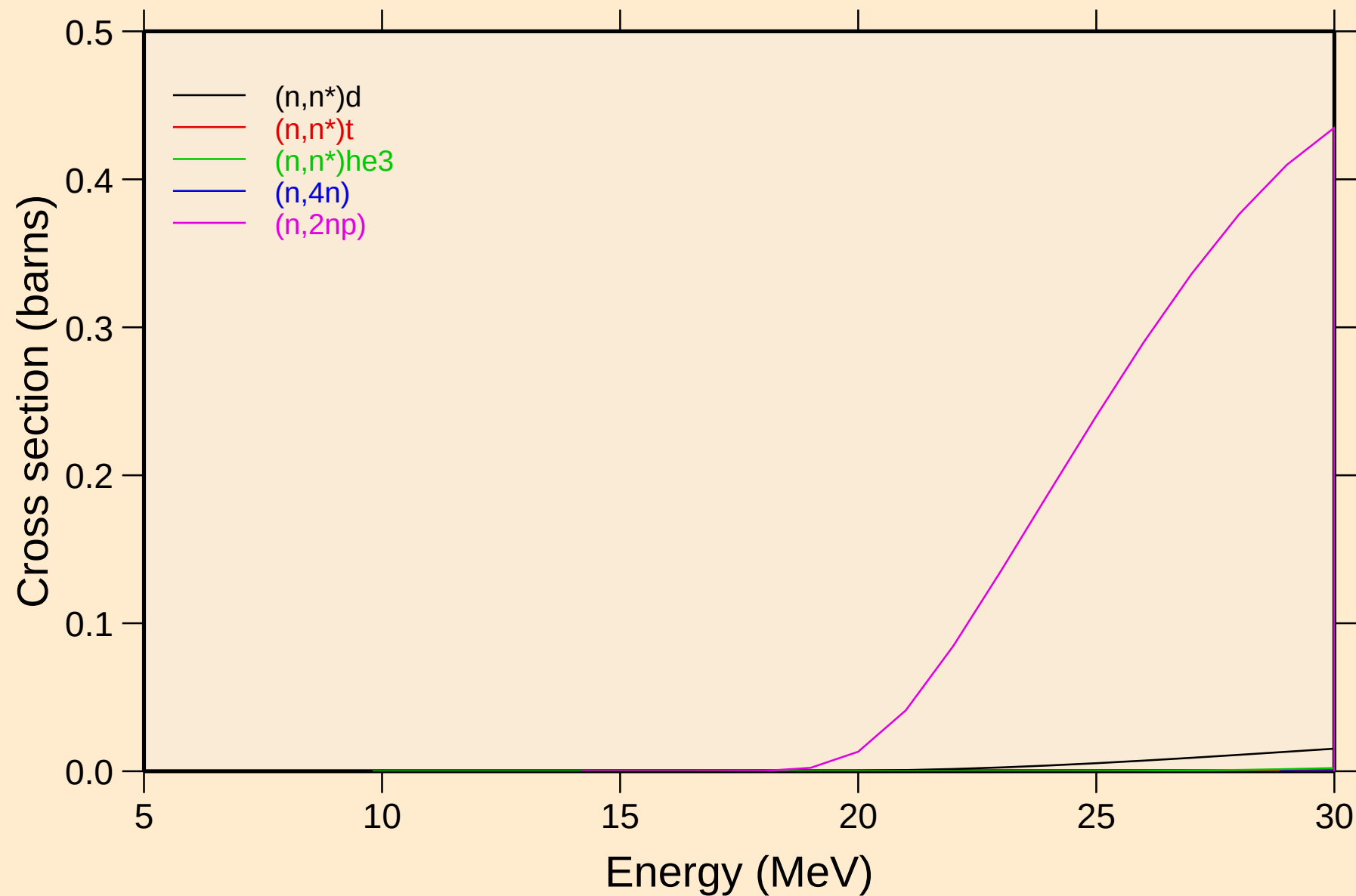




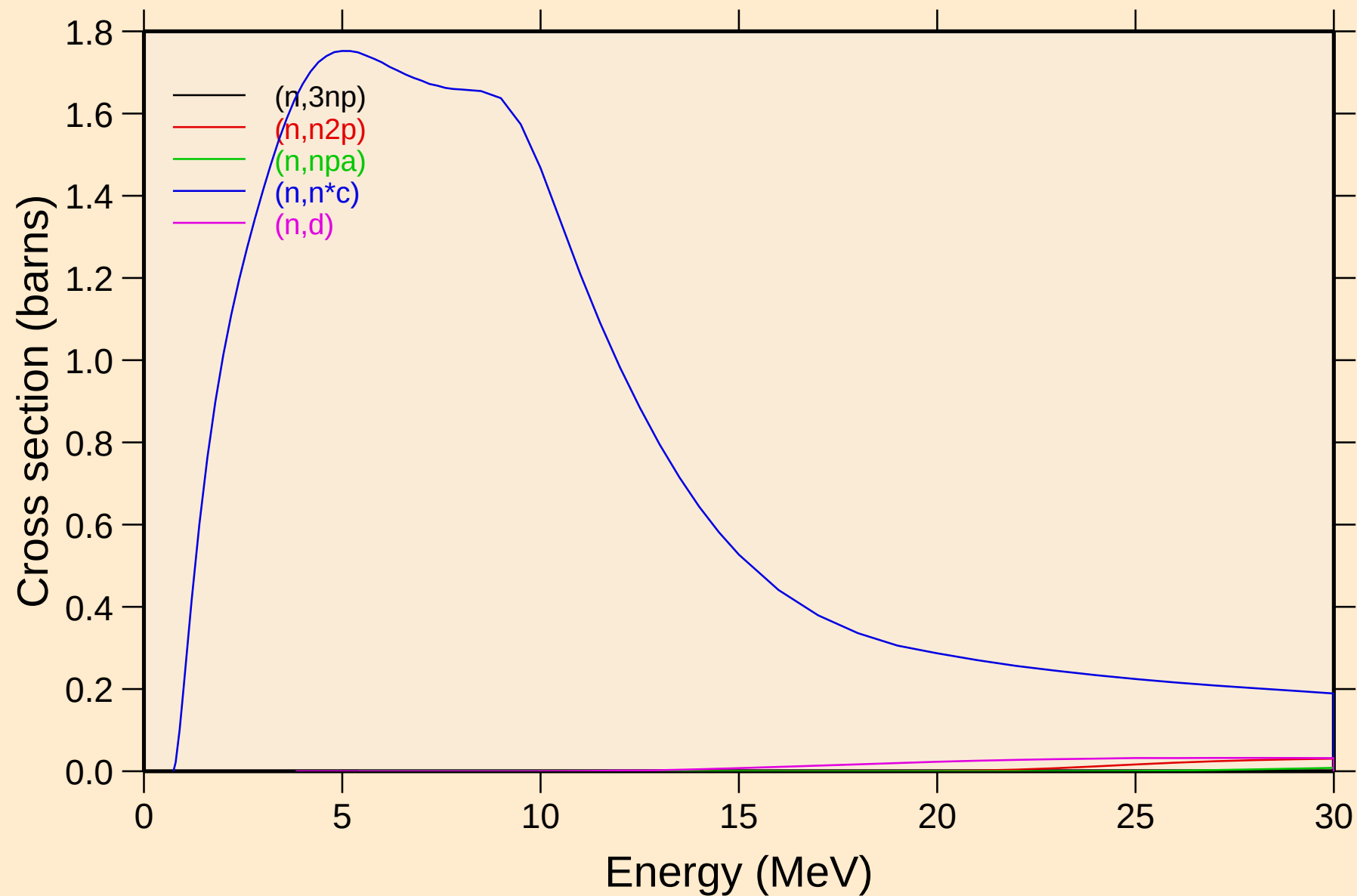
XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Threshold reactions



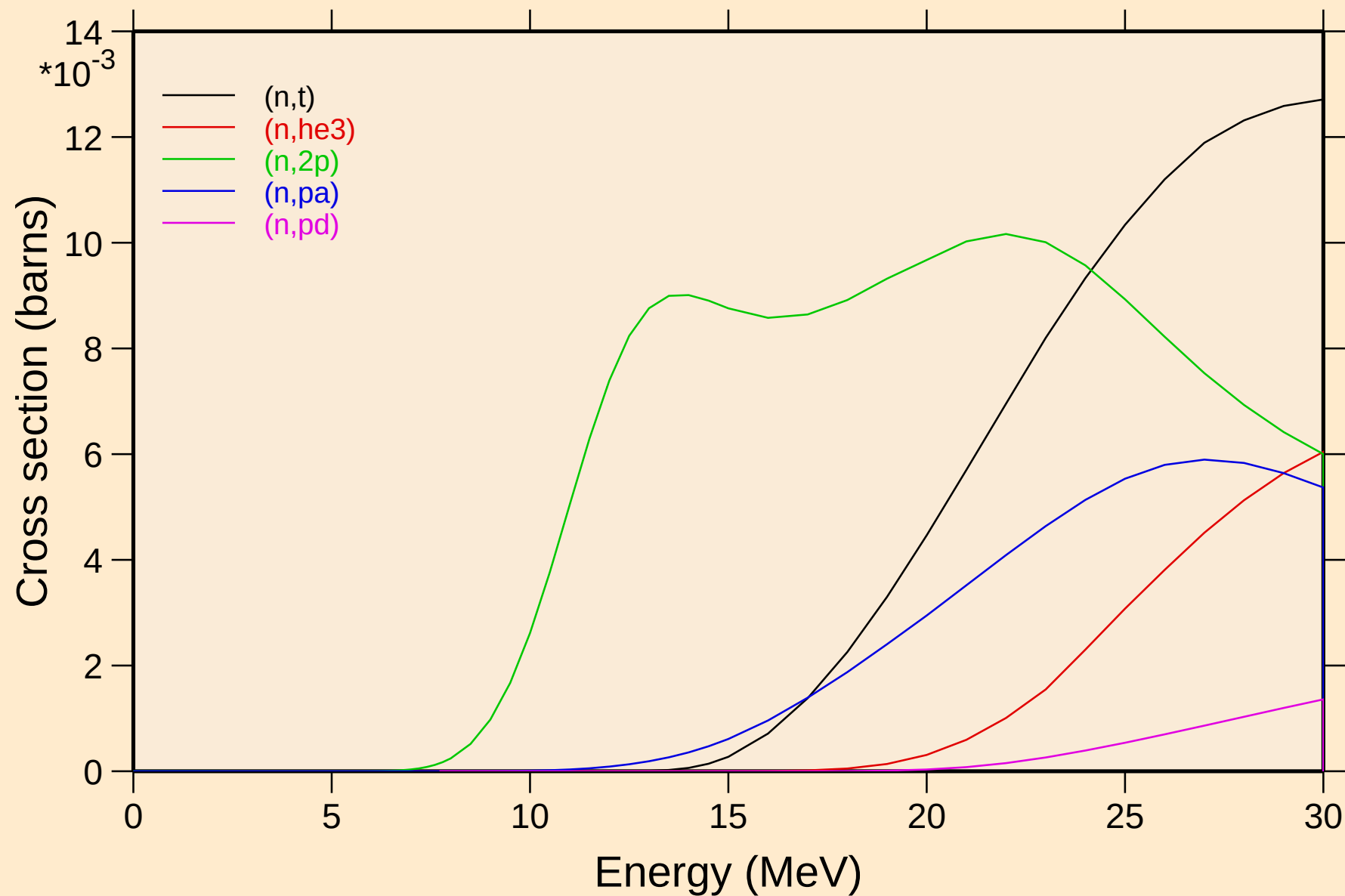
XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Threshold reactions



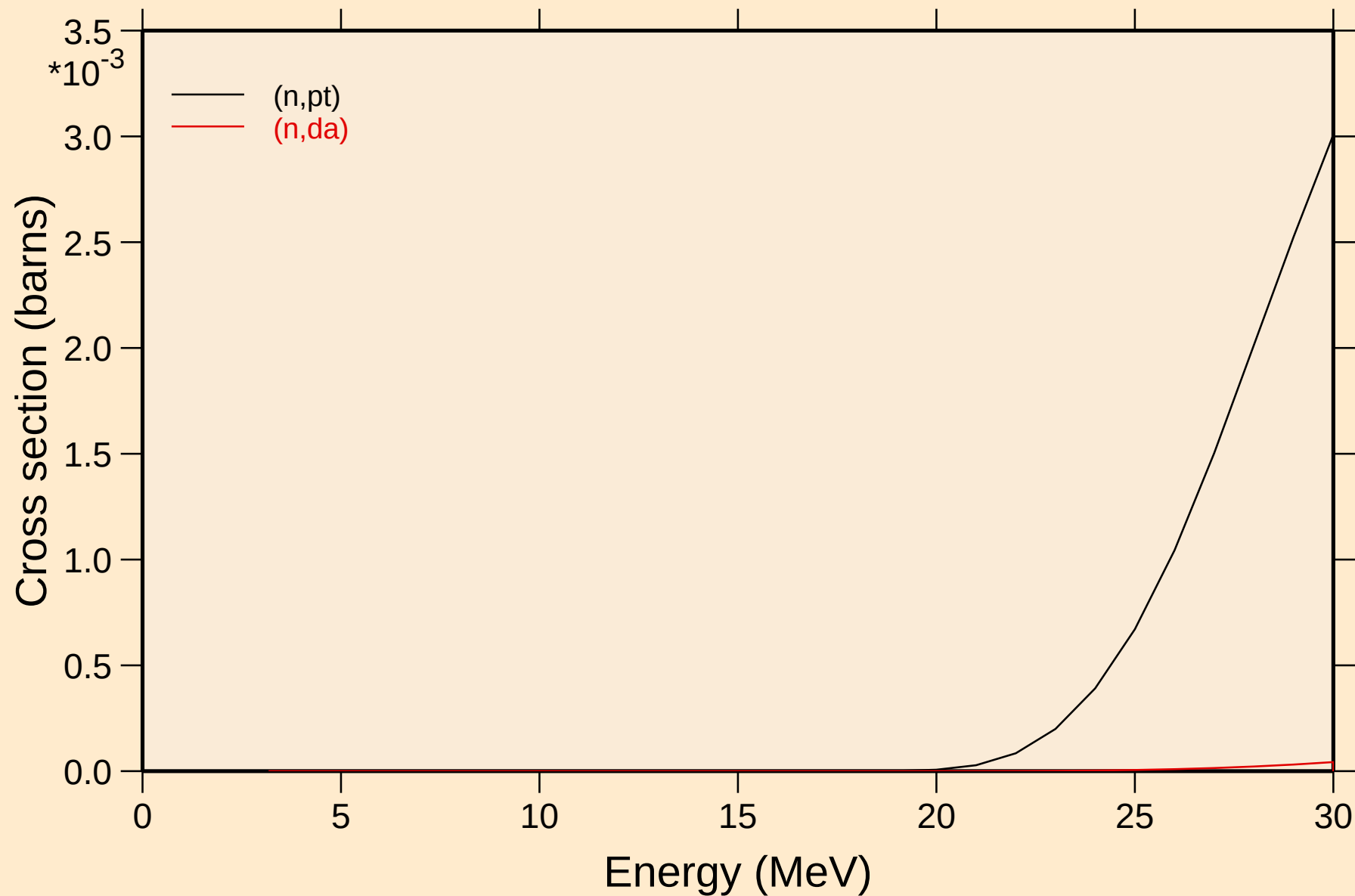
XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Threshold reactions



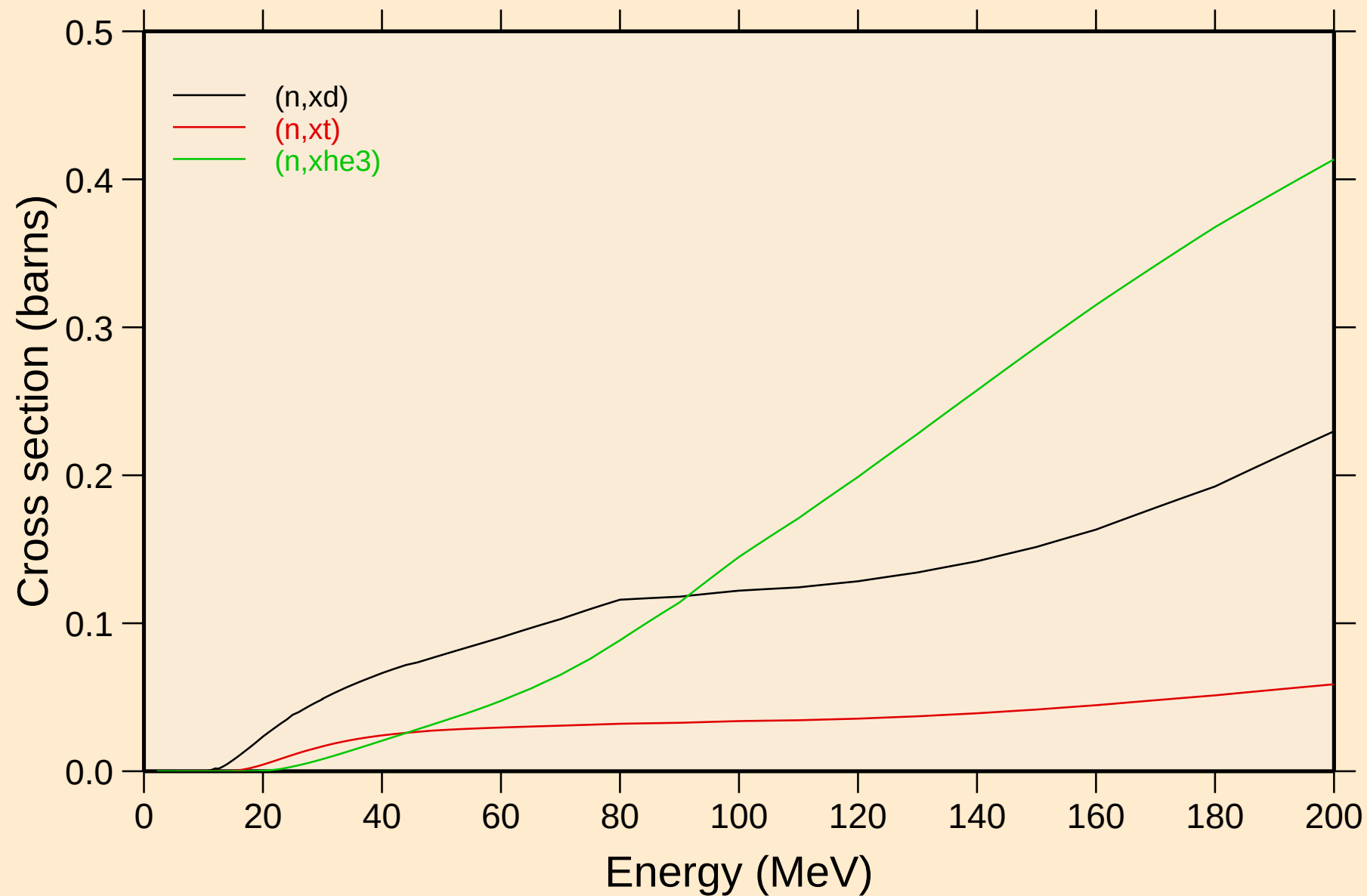
XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Threshold reactions



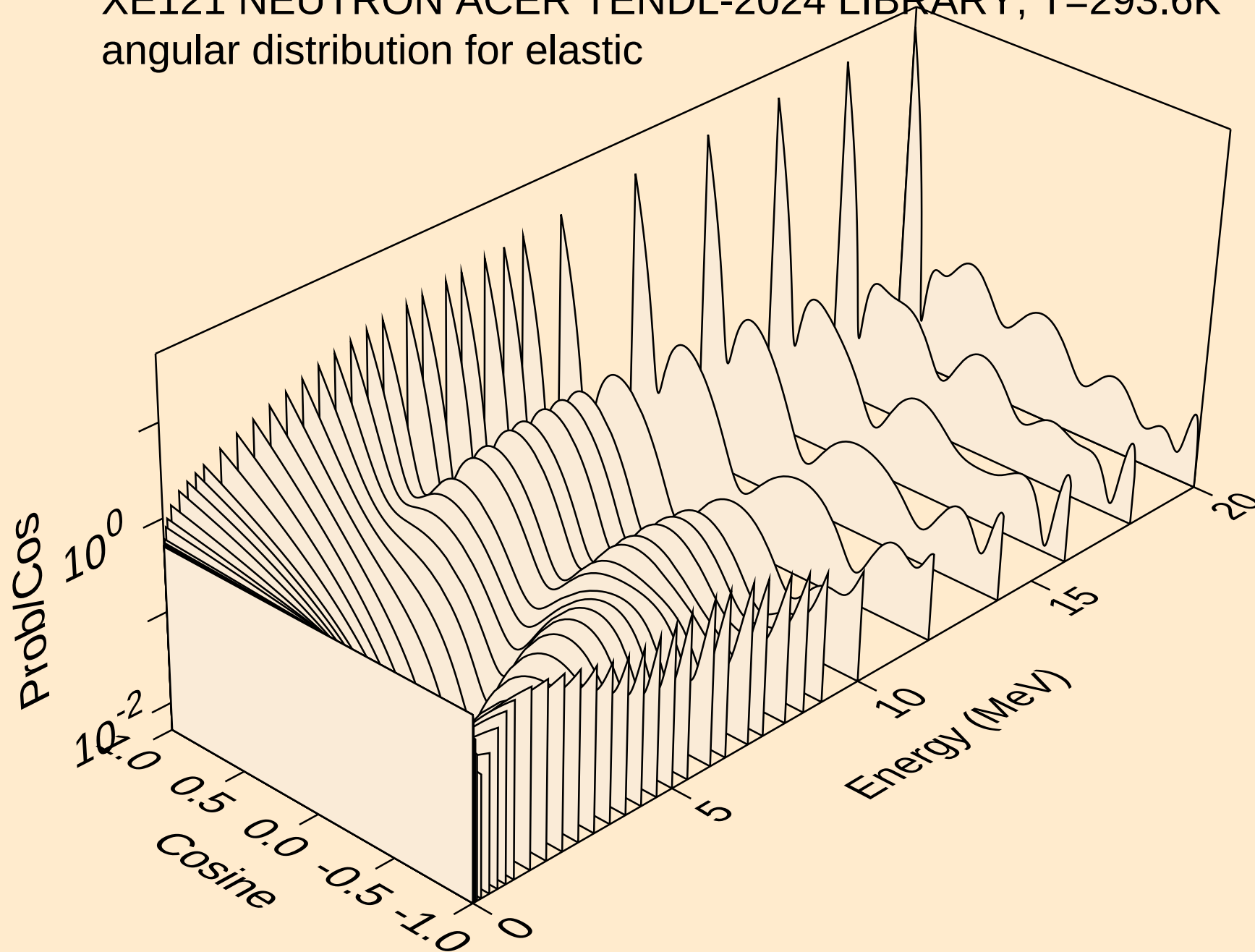
XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Threshold reactions



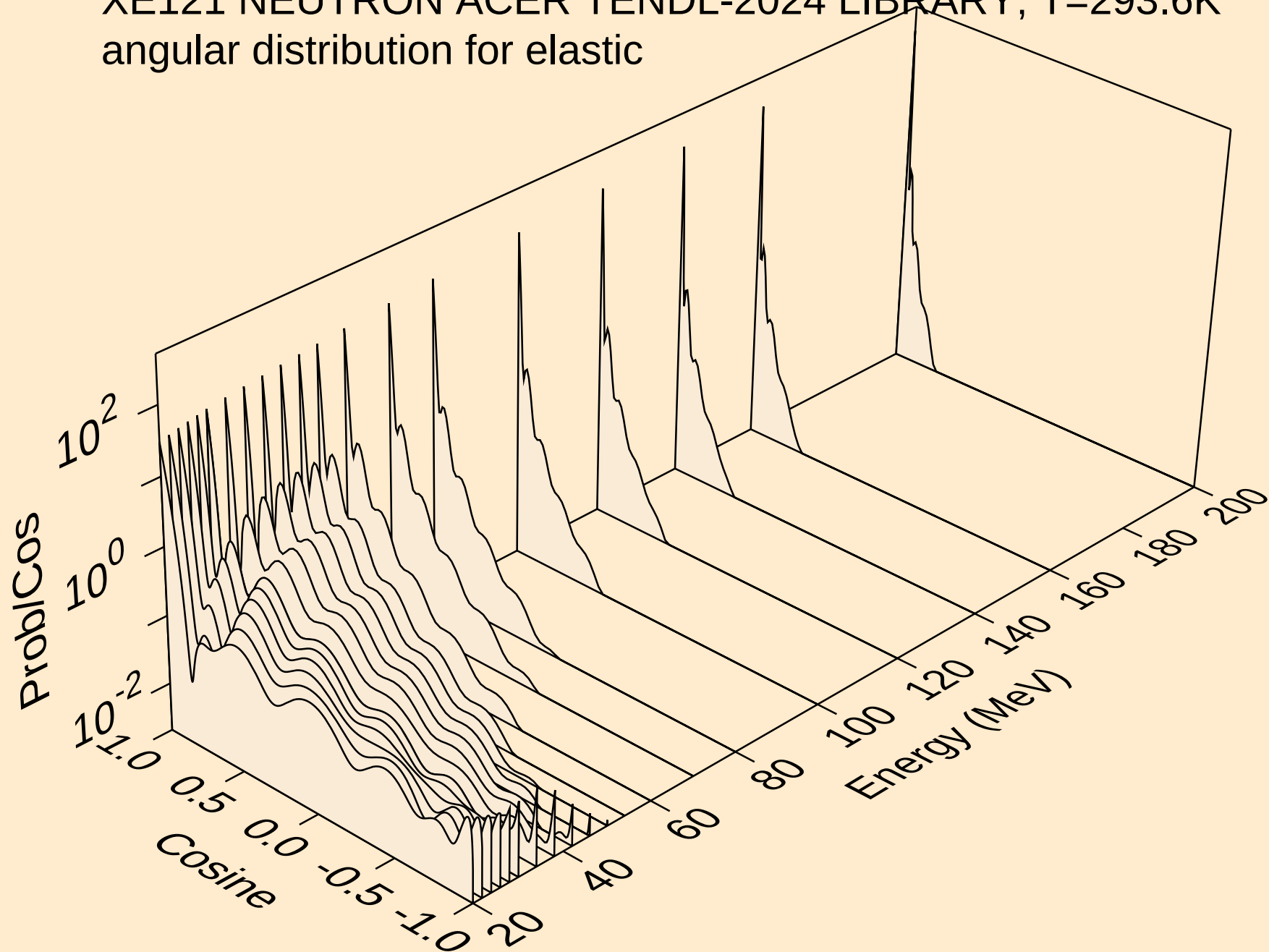
XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Threshold reactions



XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for elastic

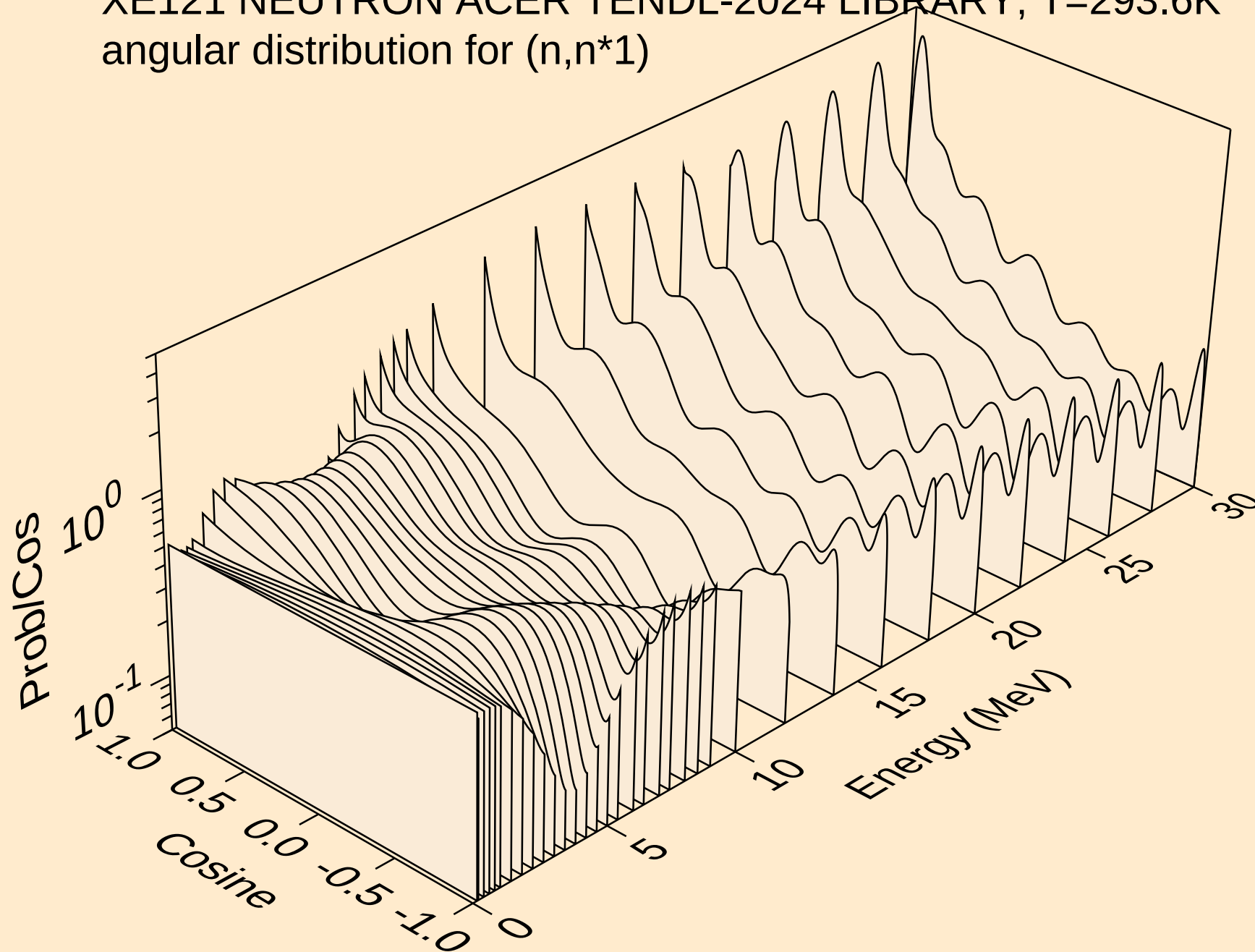


XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for elastic

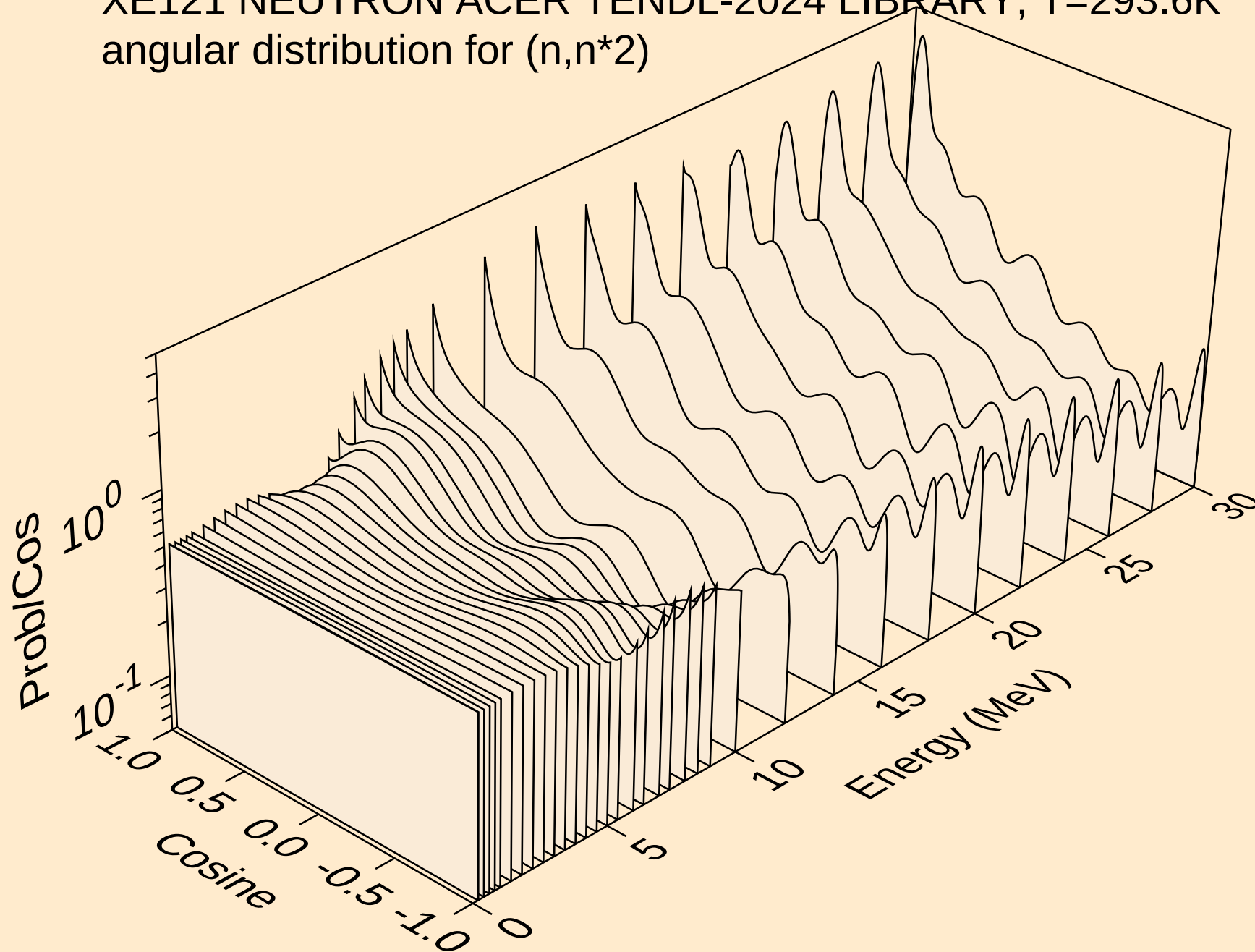




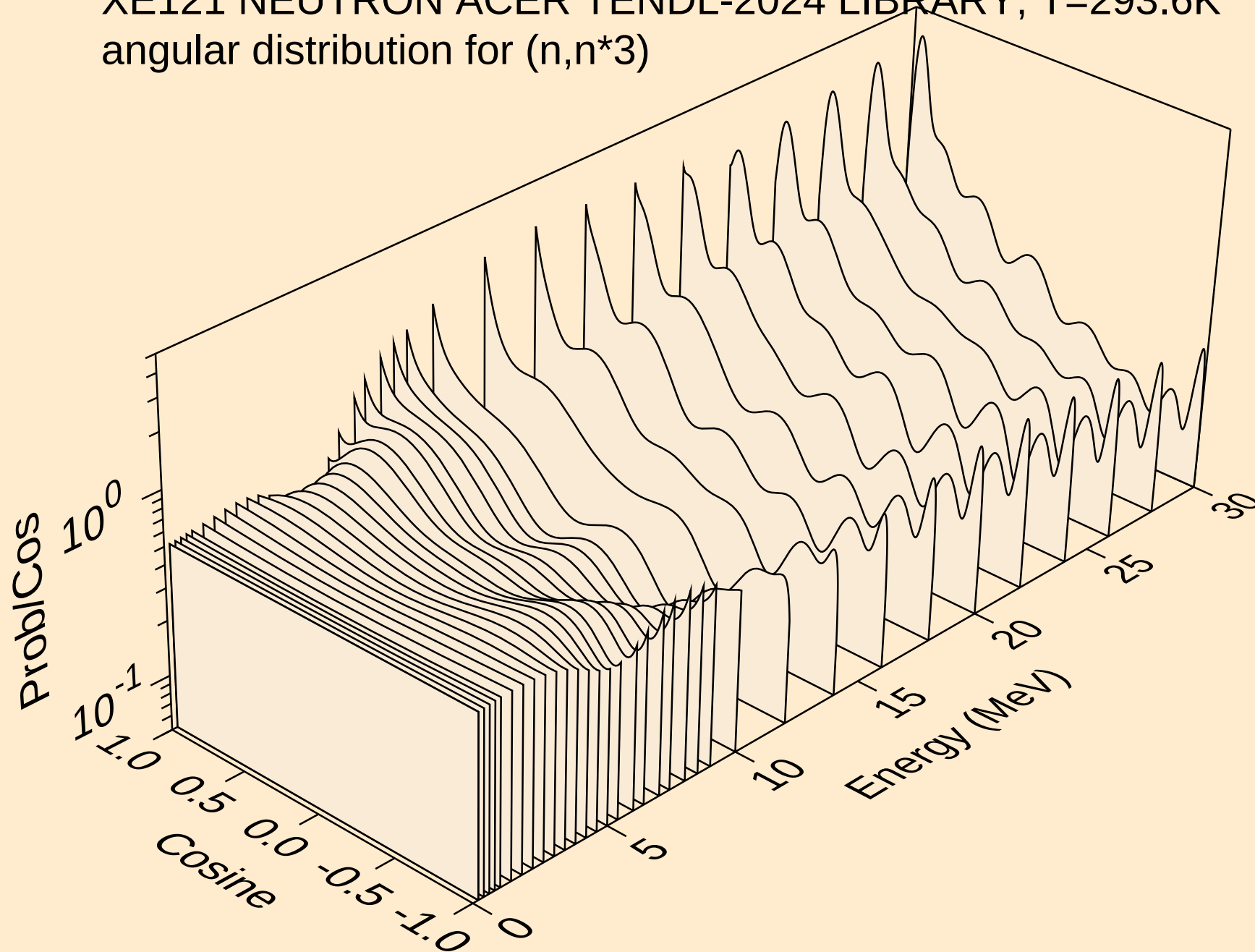
XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*1)



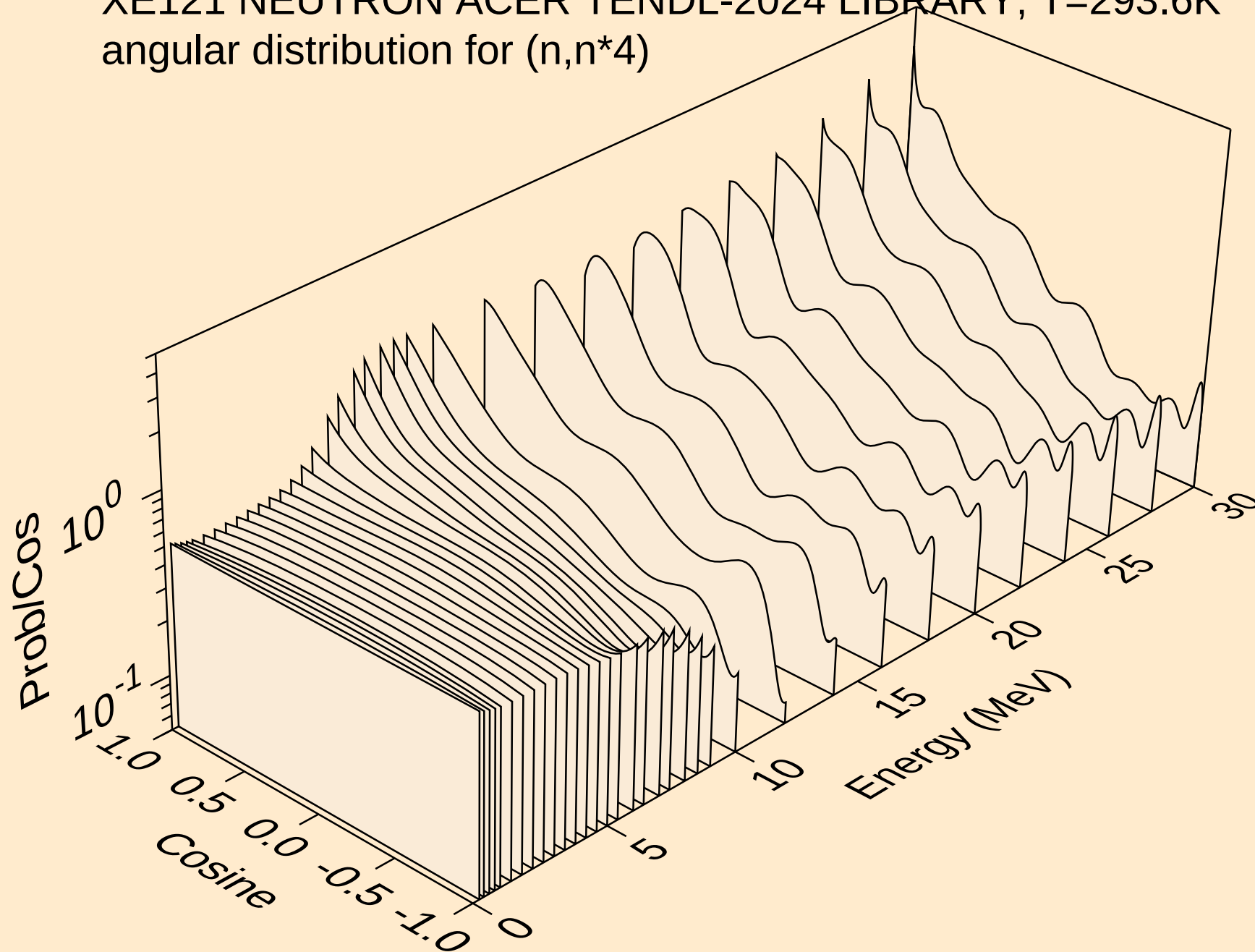
XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*2)



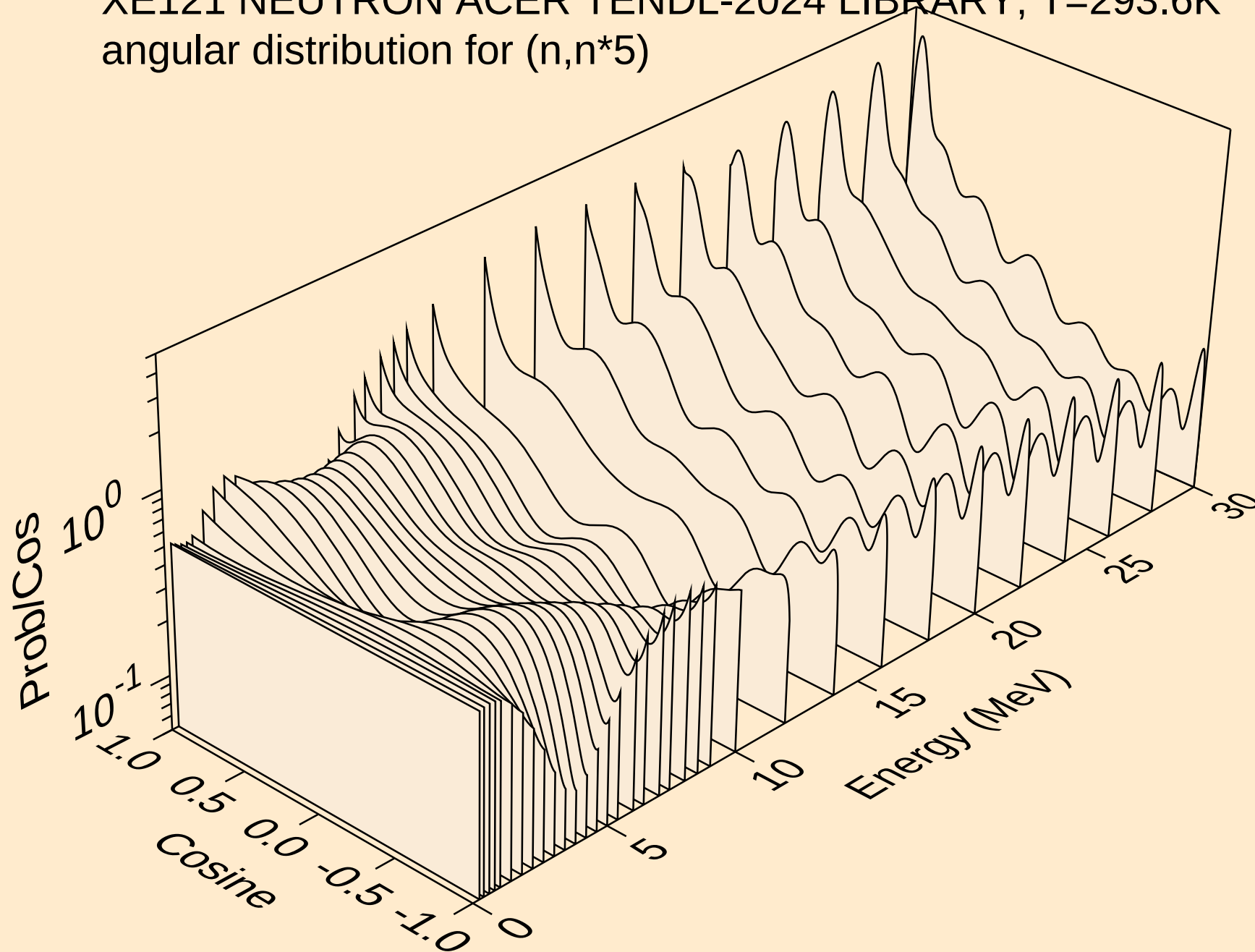
XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*3)



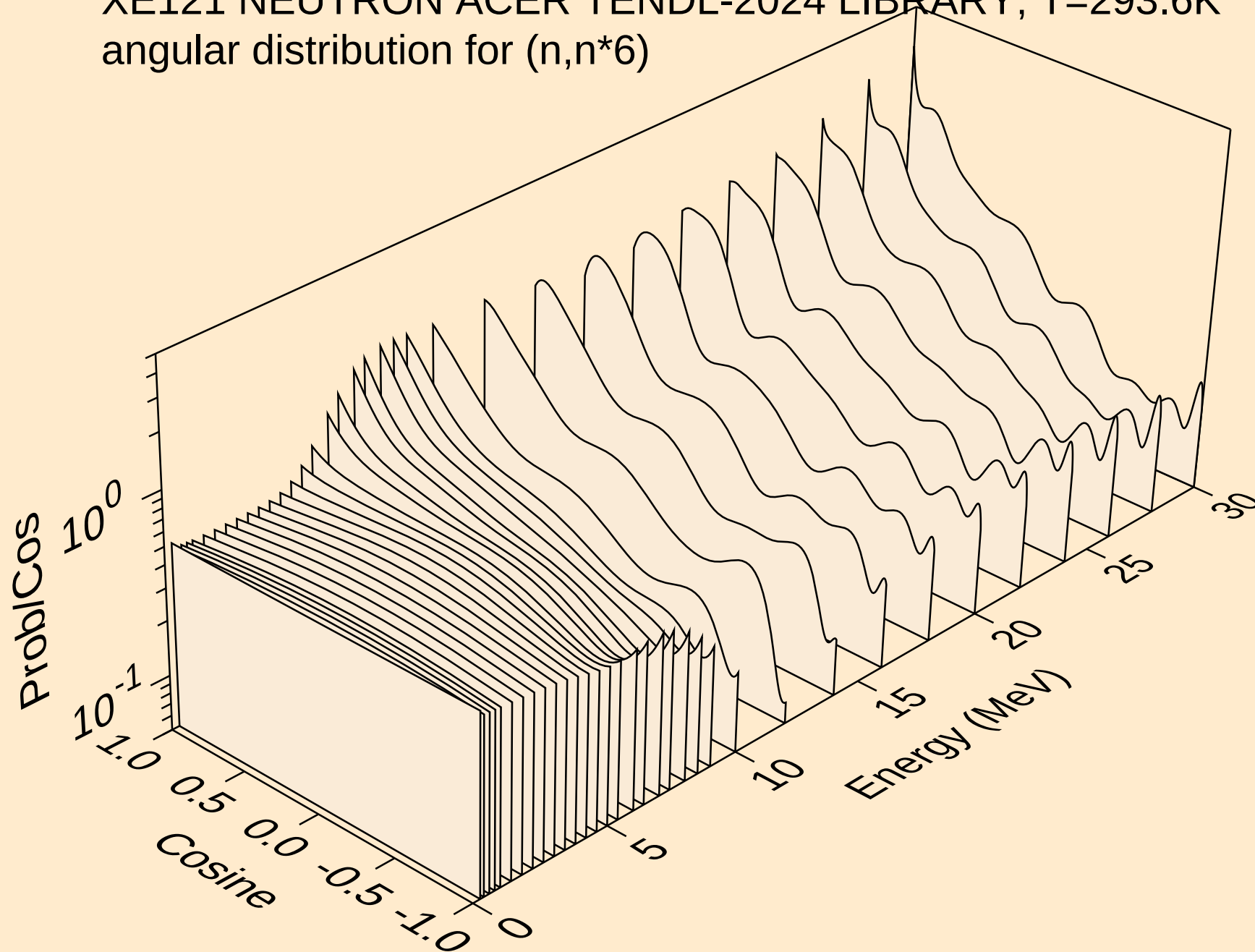
XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*4)



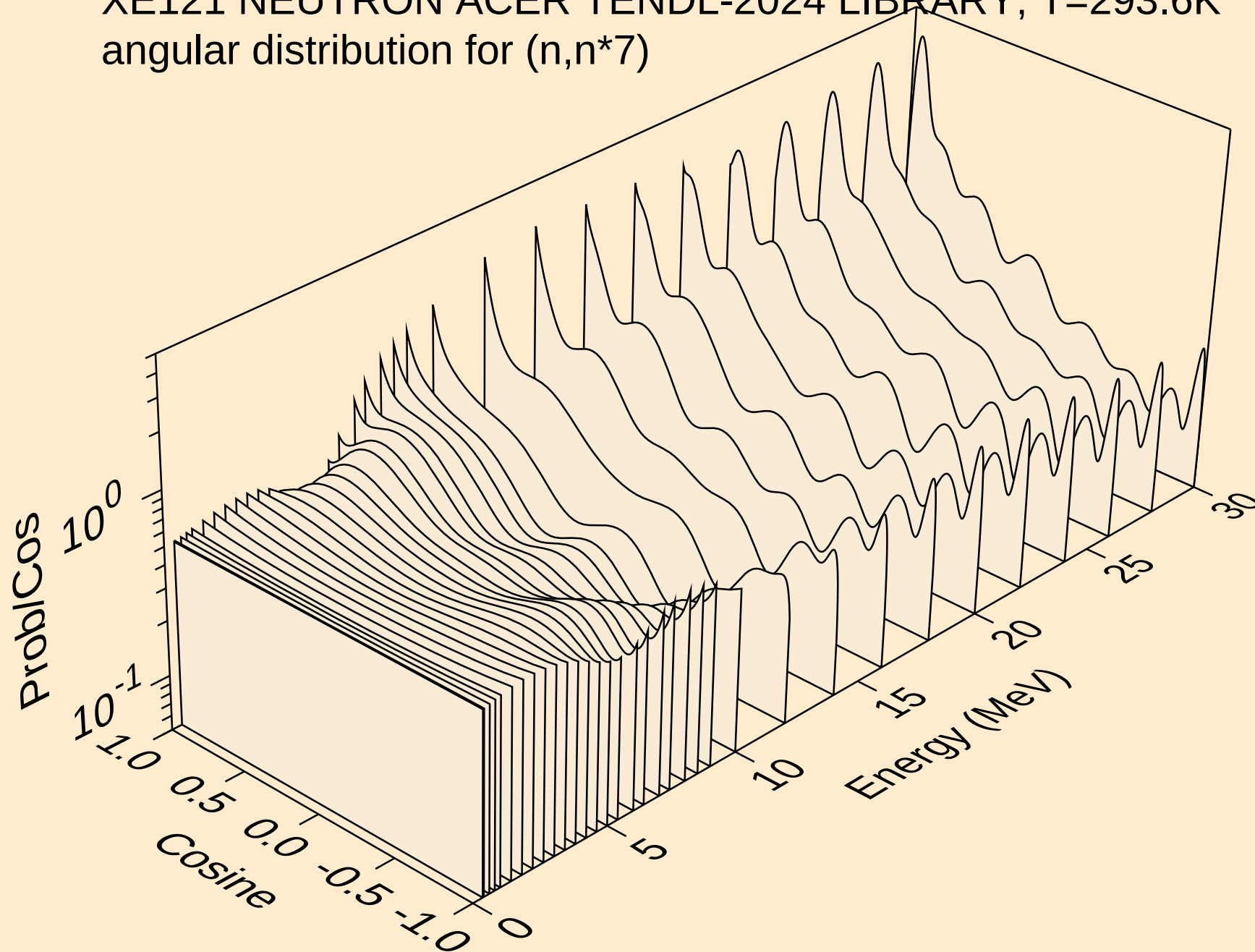
XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*5)



XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*6)

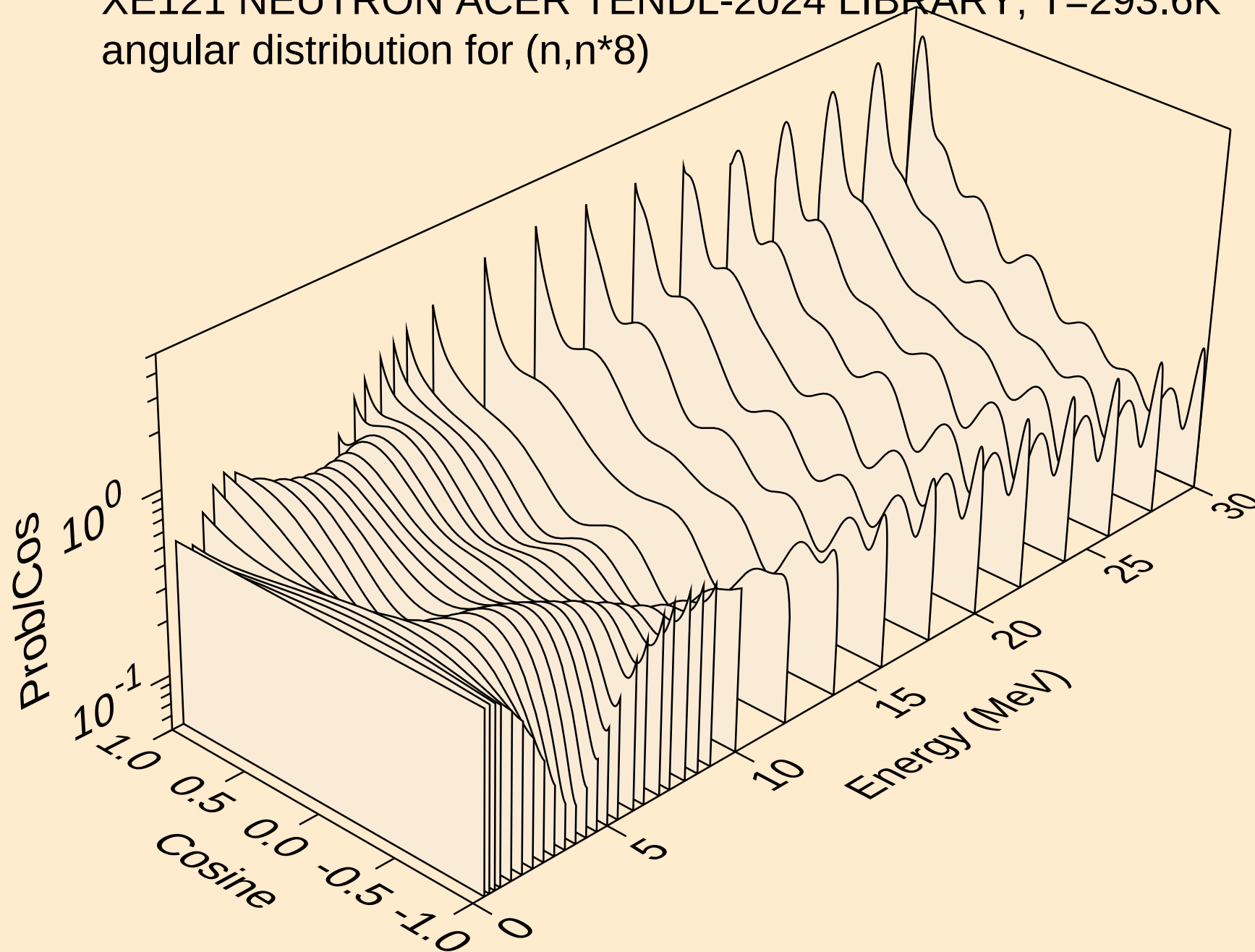


XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*7)



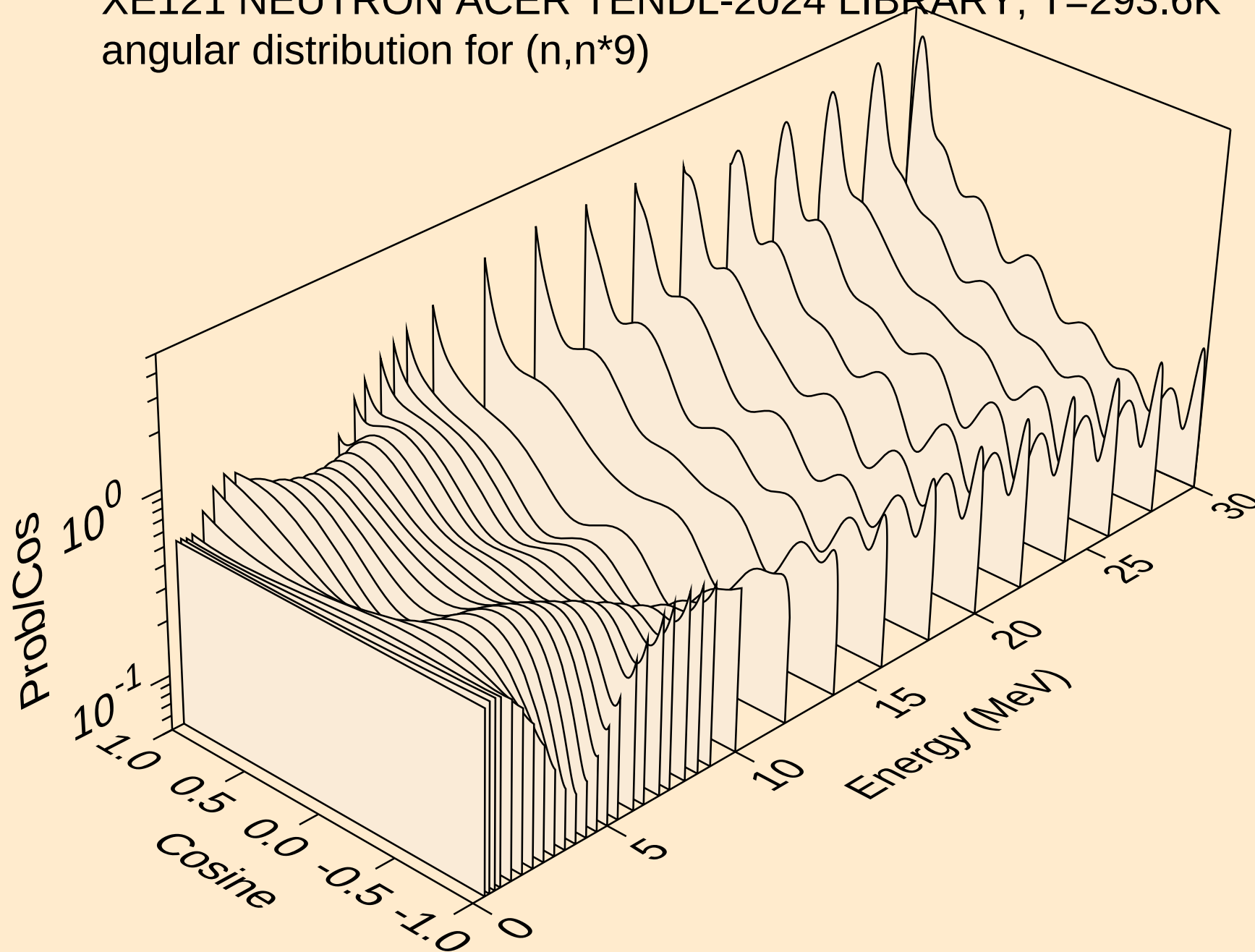


XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*8)

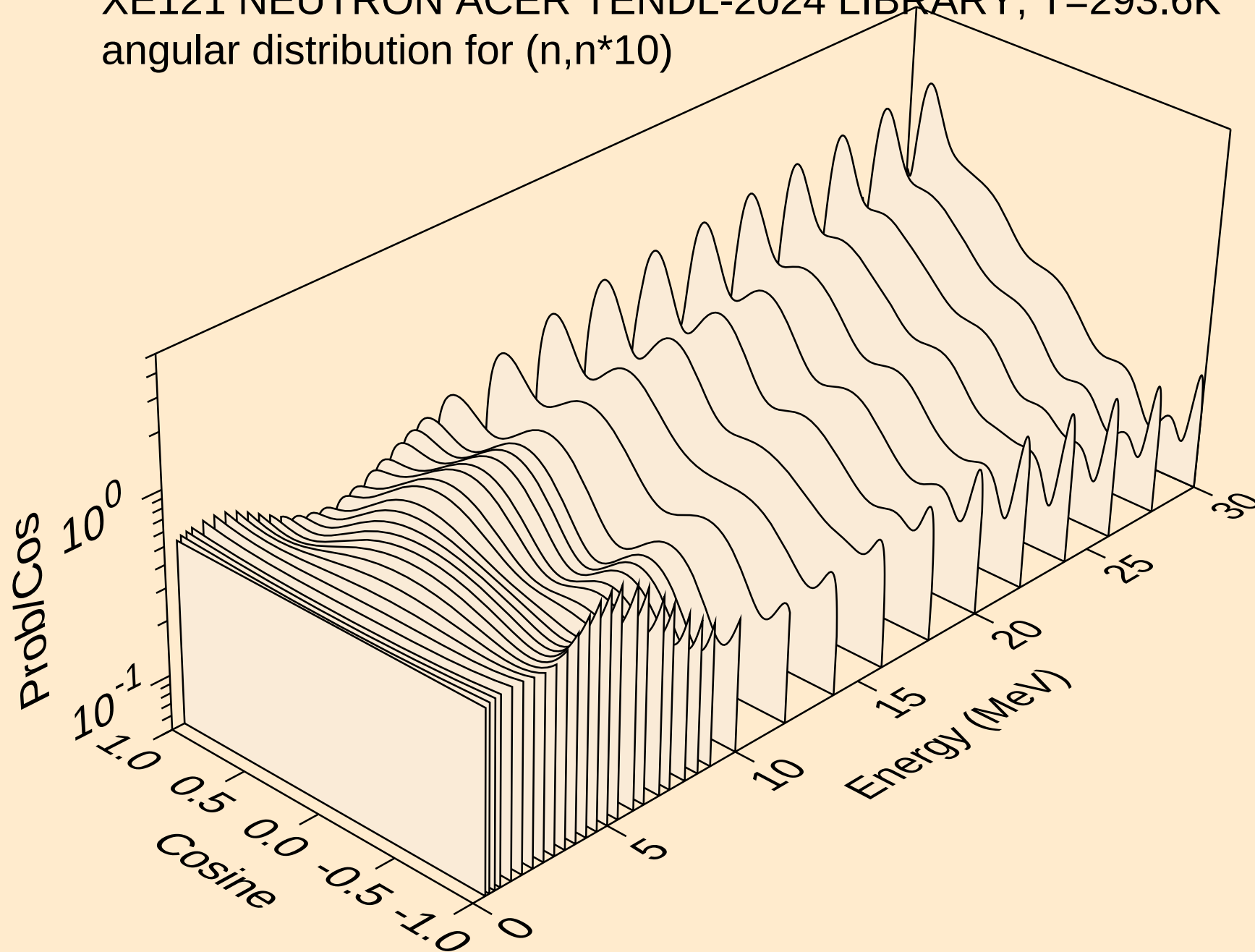




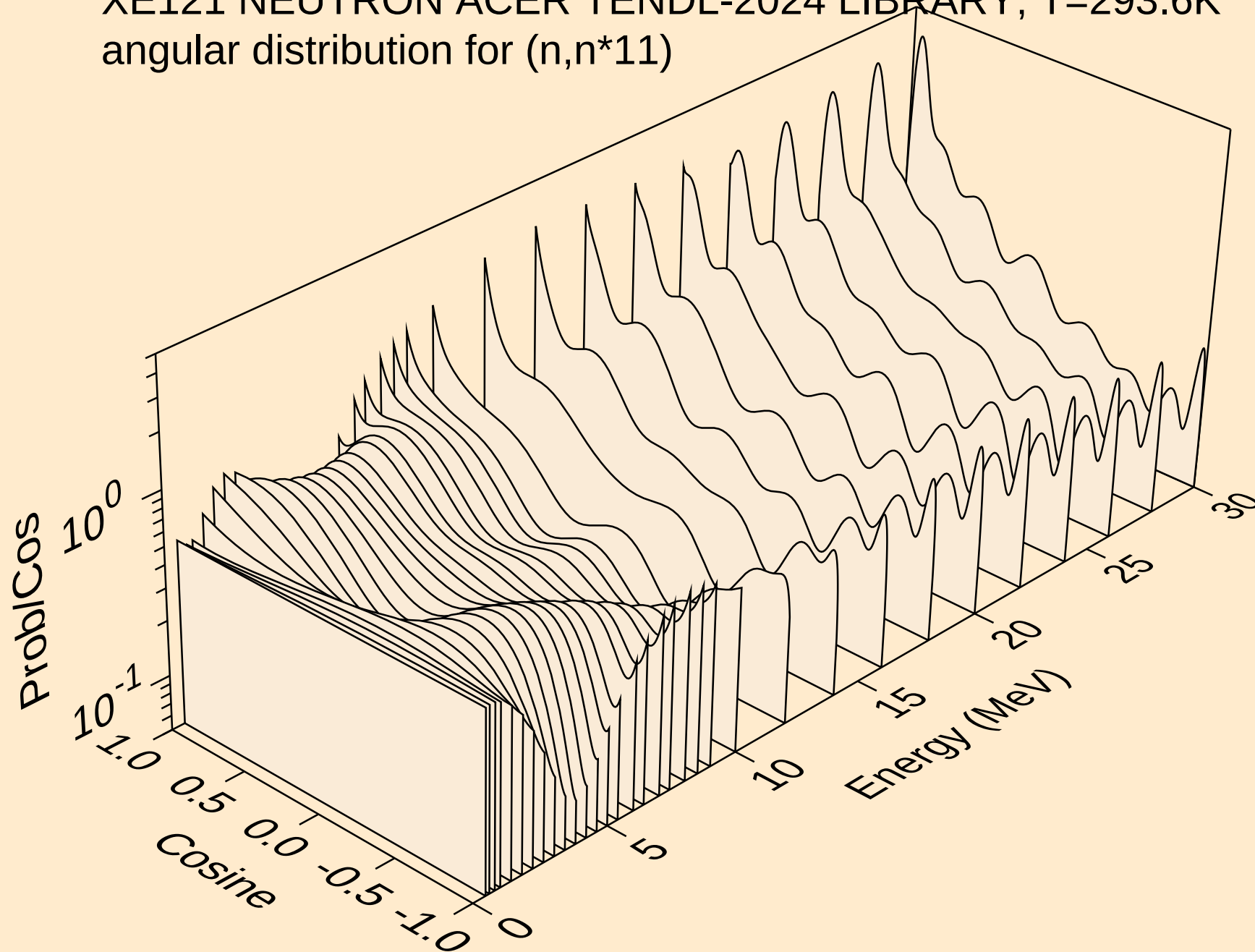
XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*9)



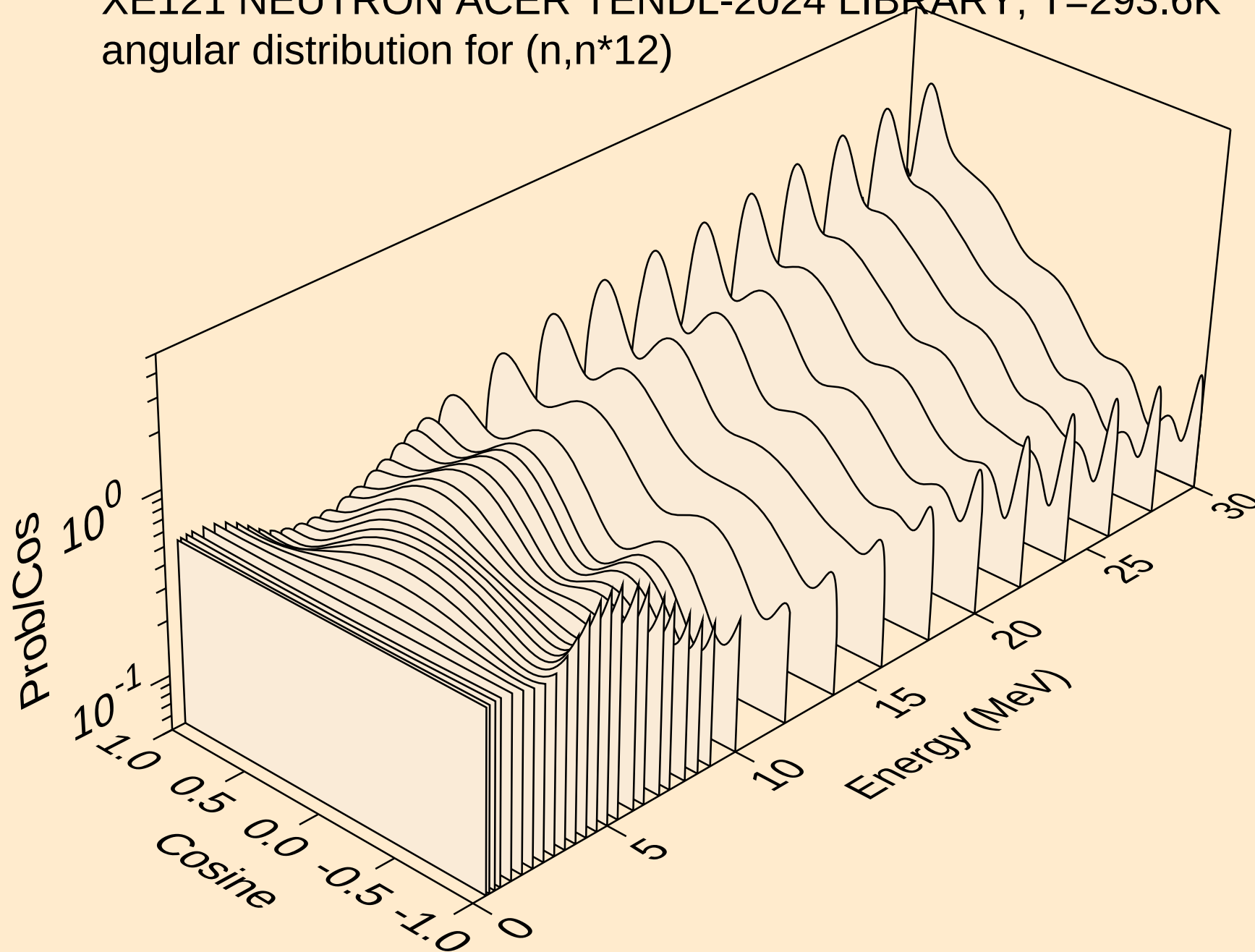
XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*10)



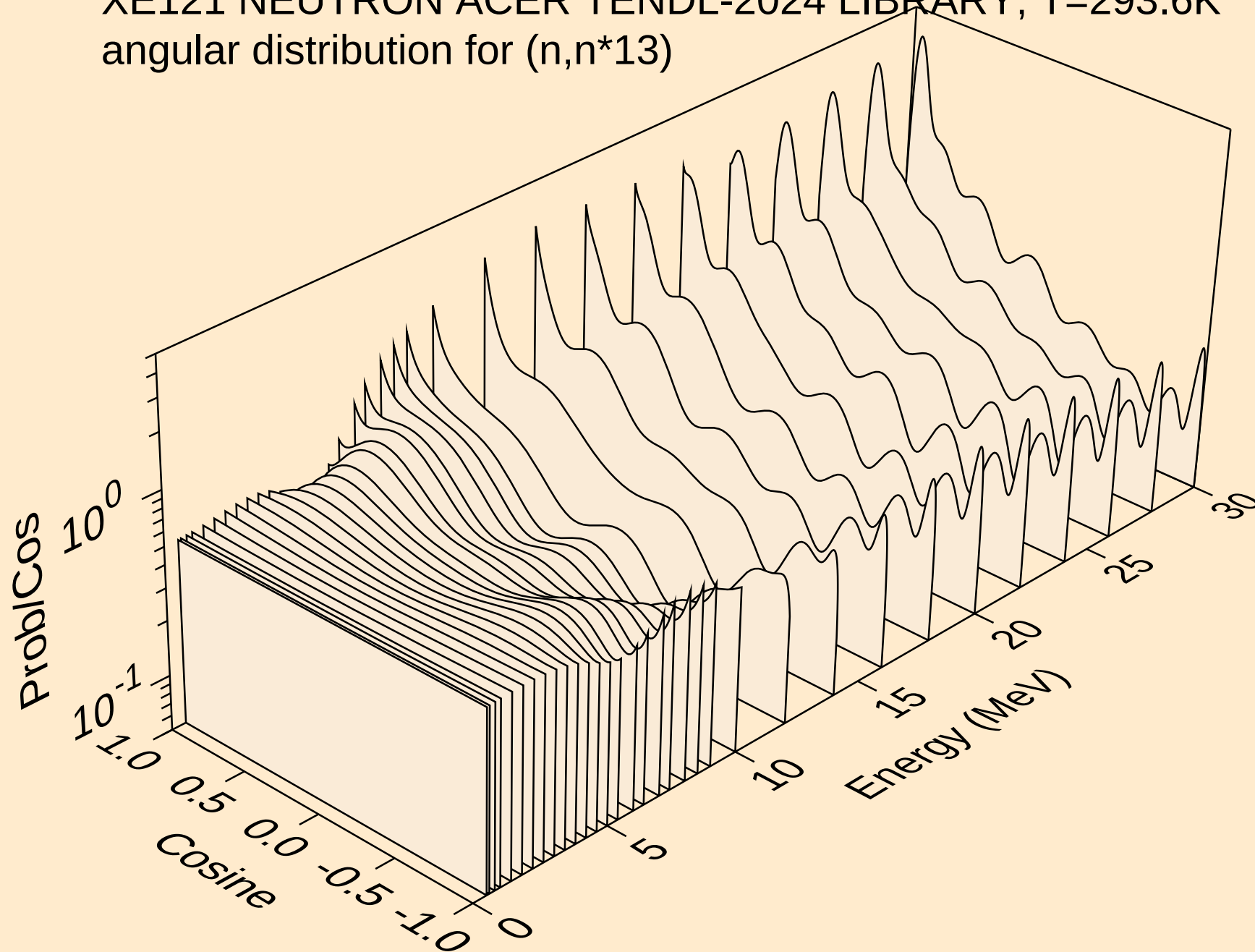
XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*11)



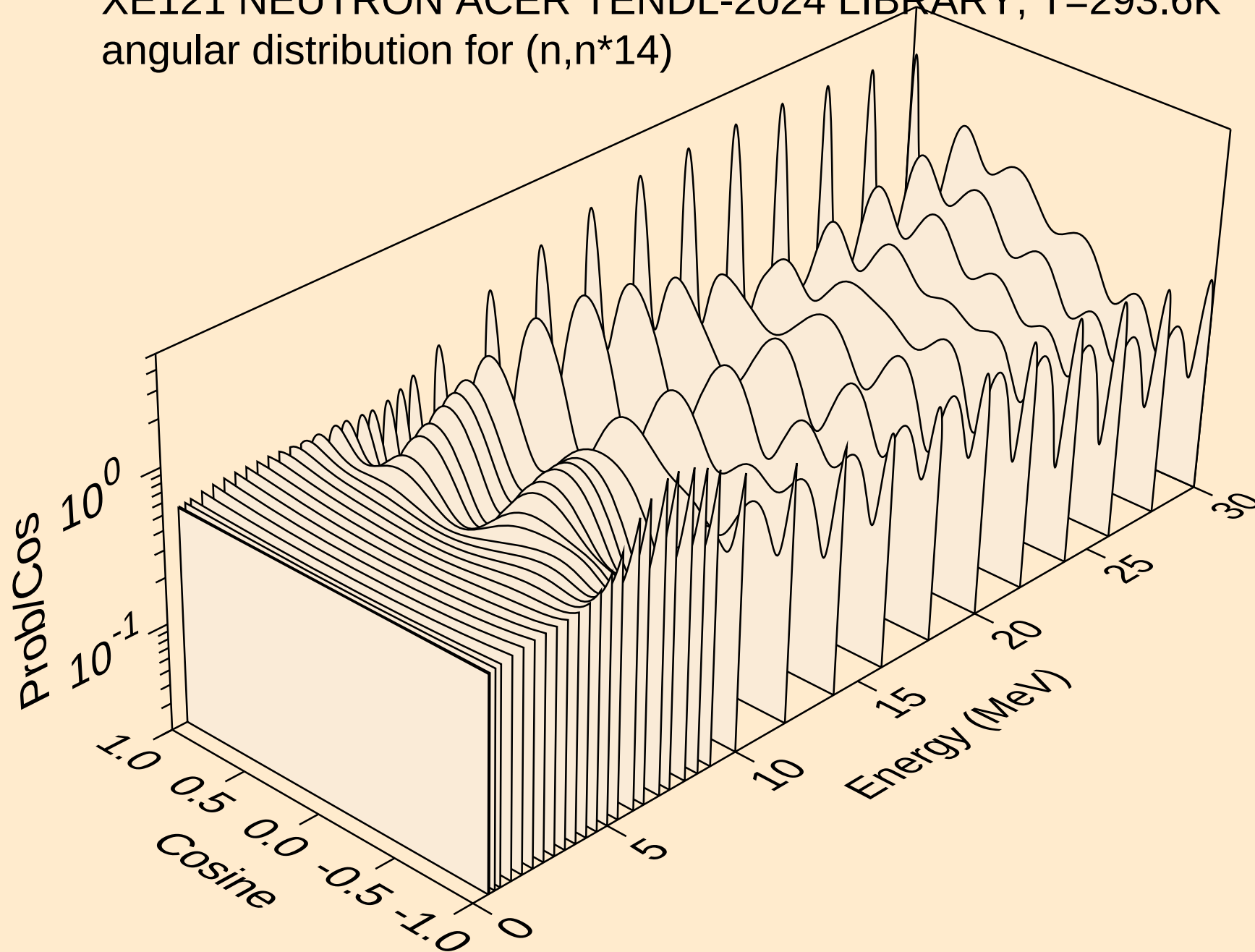
XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*12)



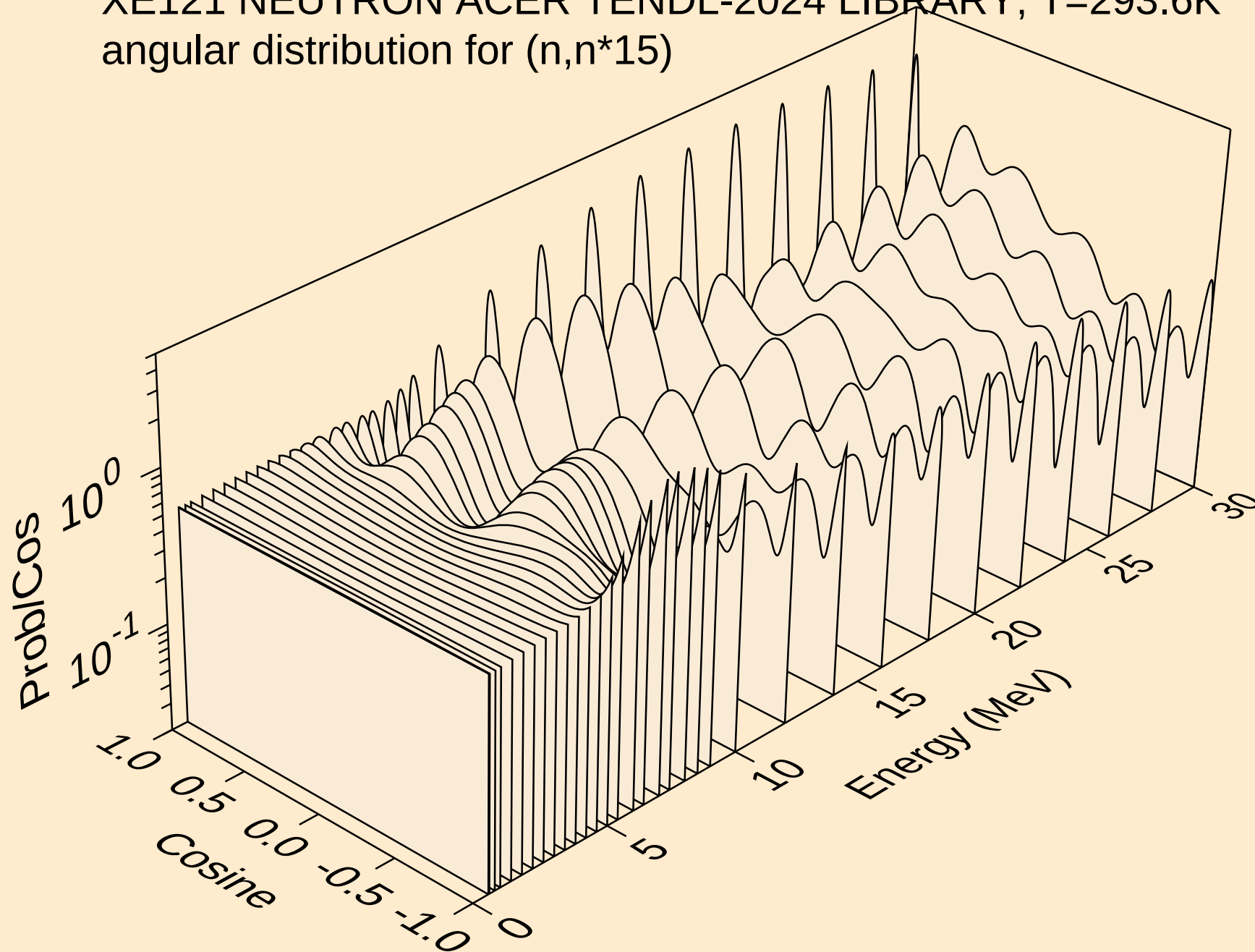
XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*13)



XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*14)

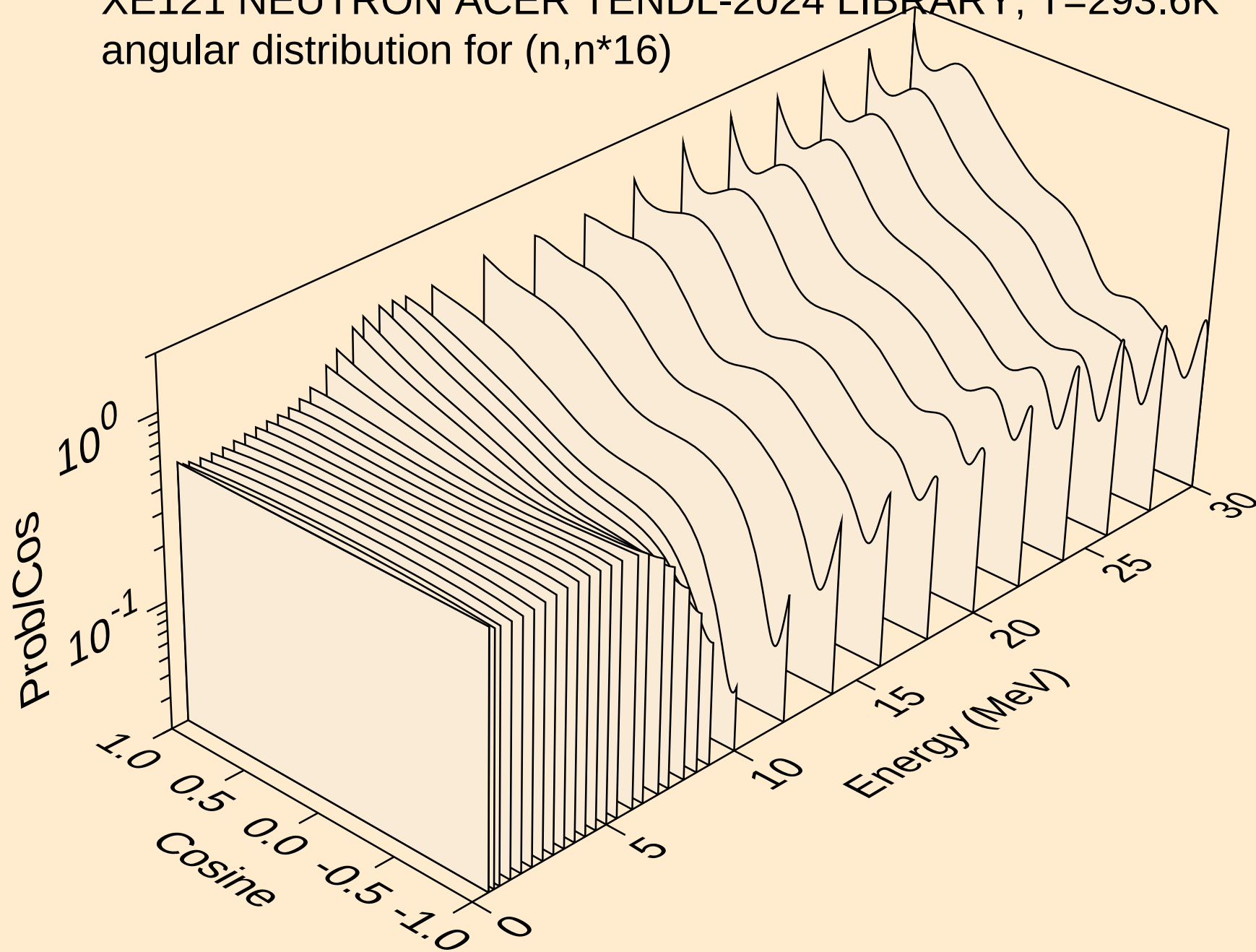


XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*15)



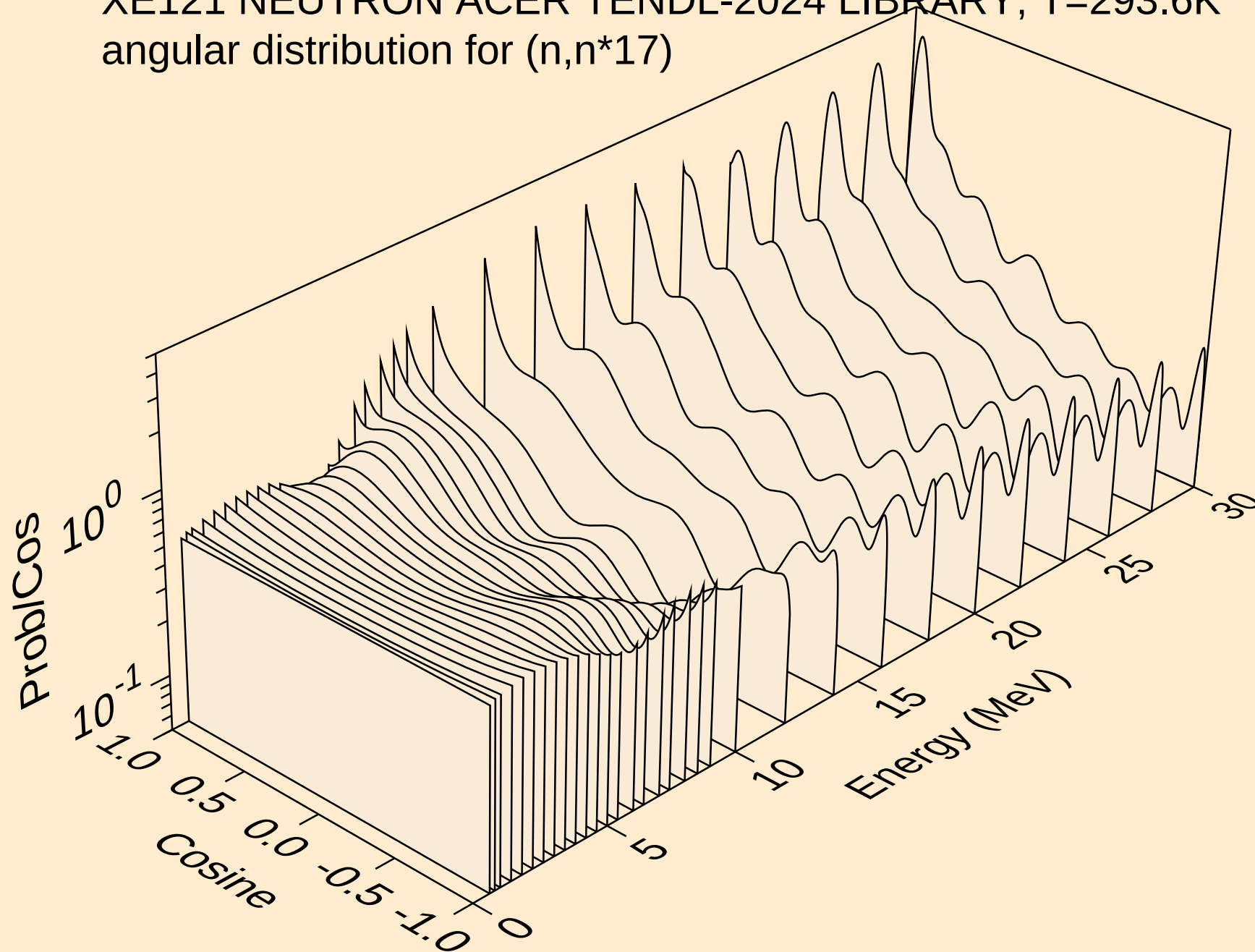


XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*16)

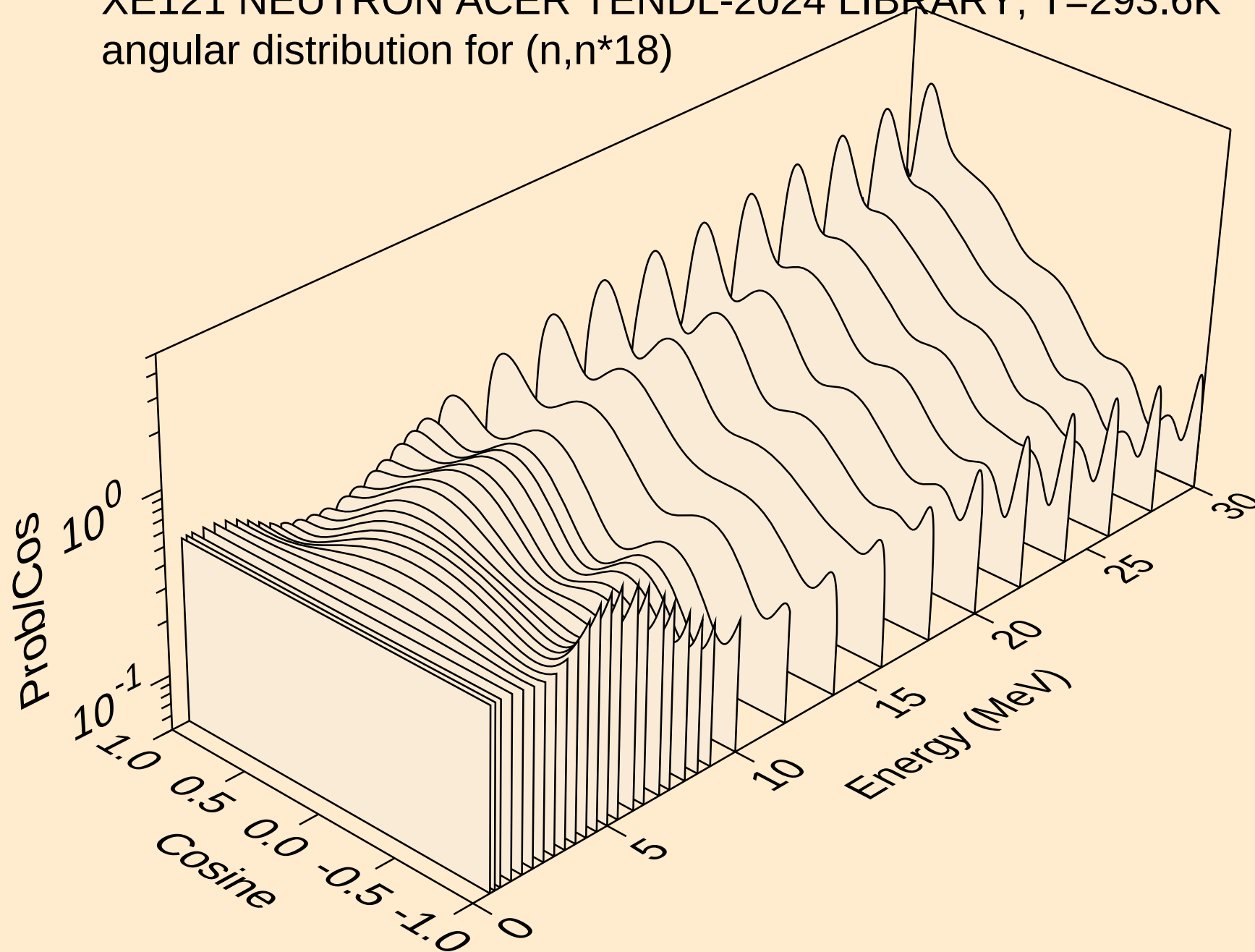




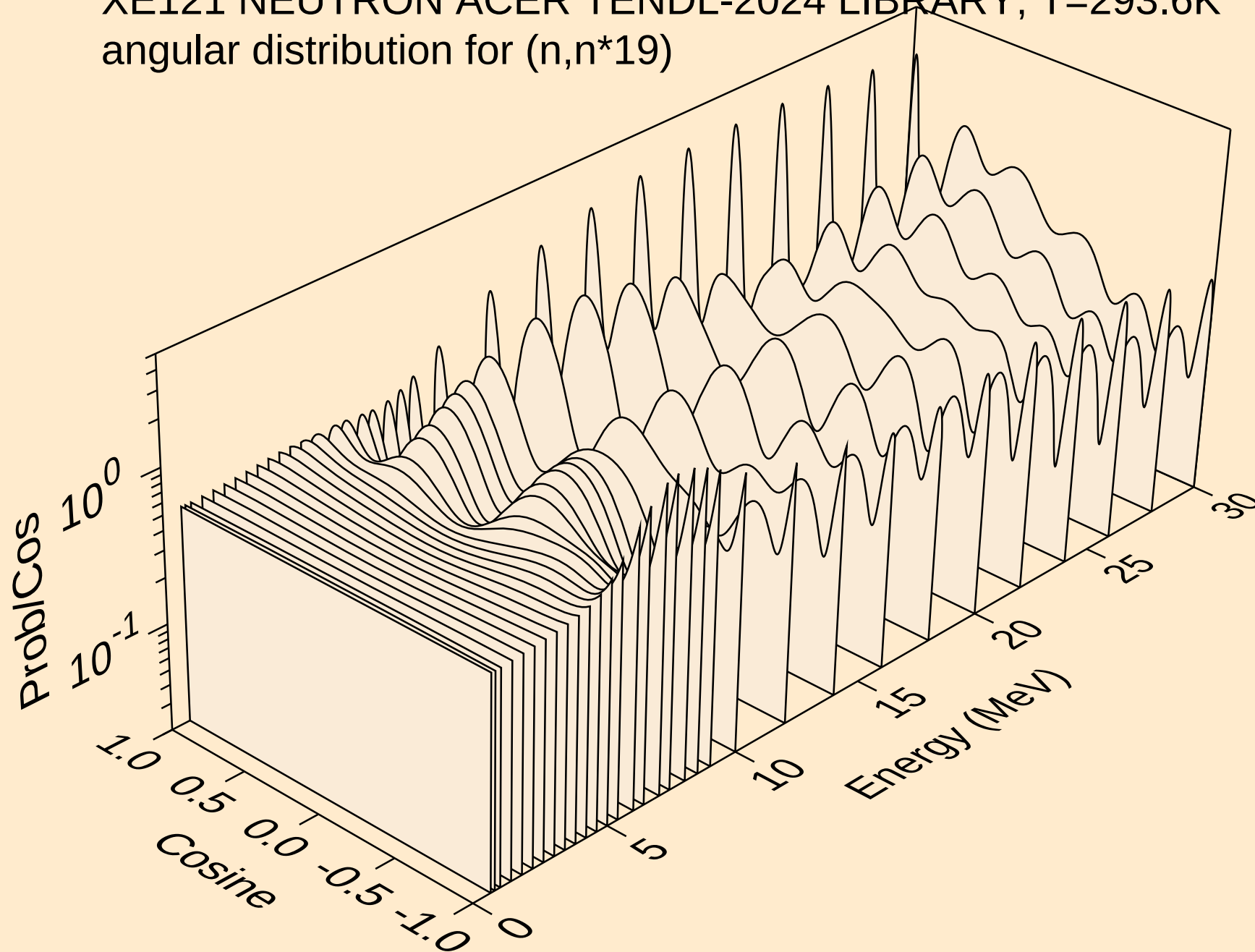
XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*17)



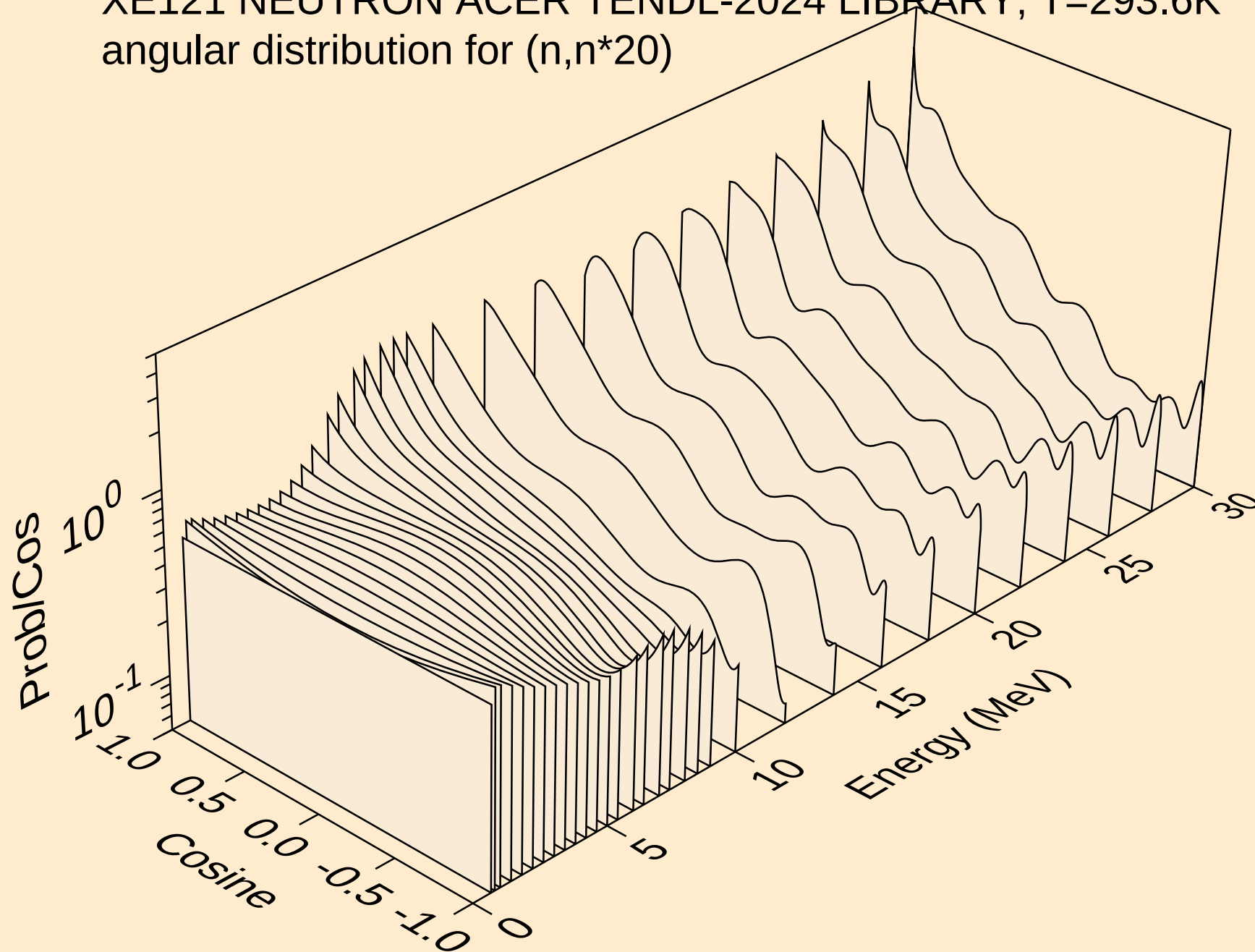
XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*18)



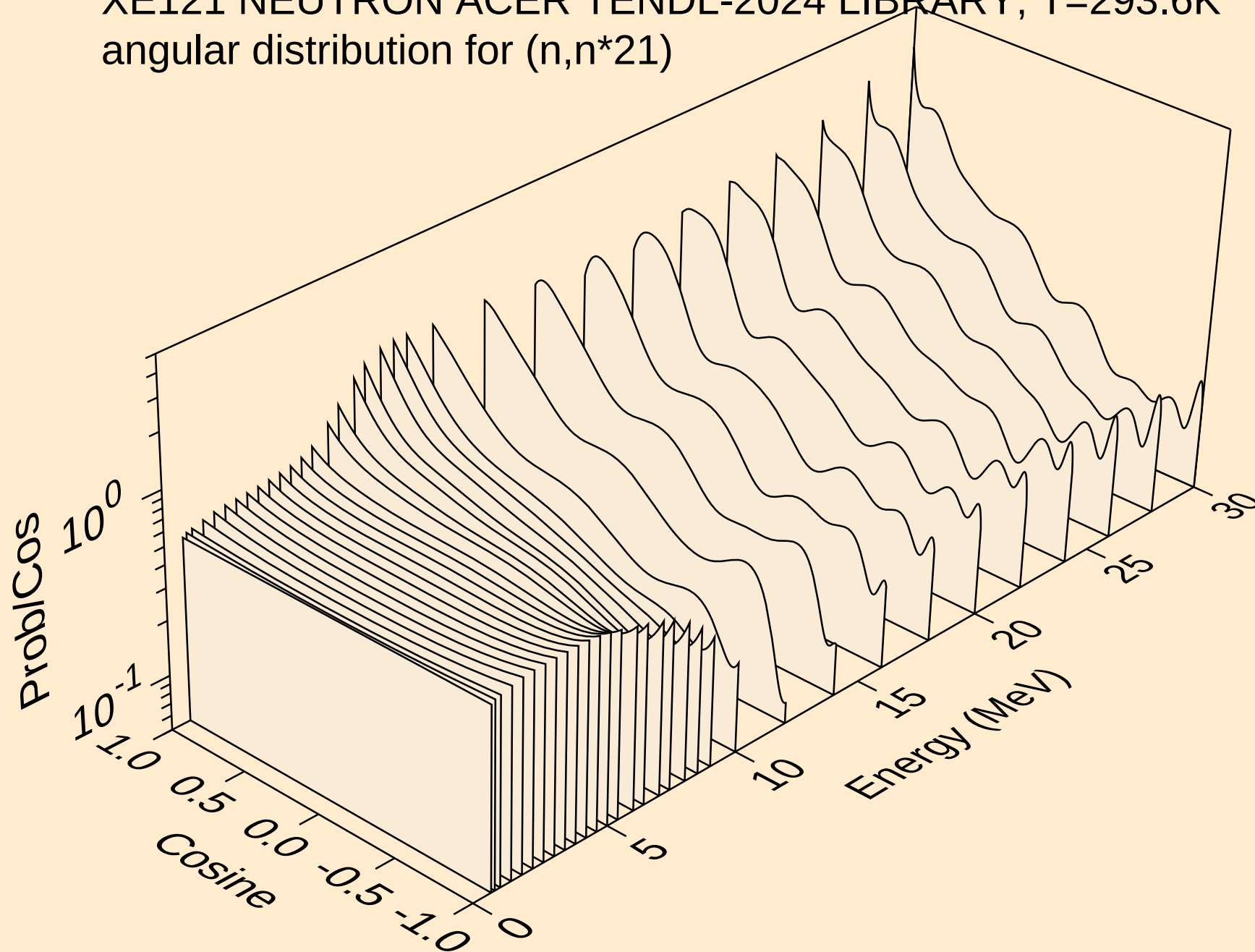
XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*19)



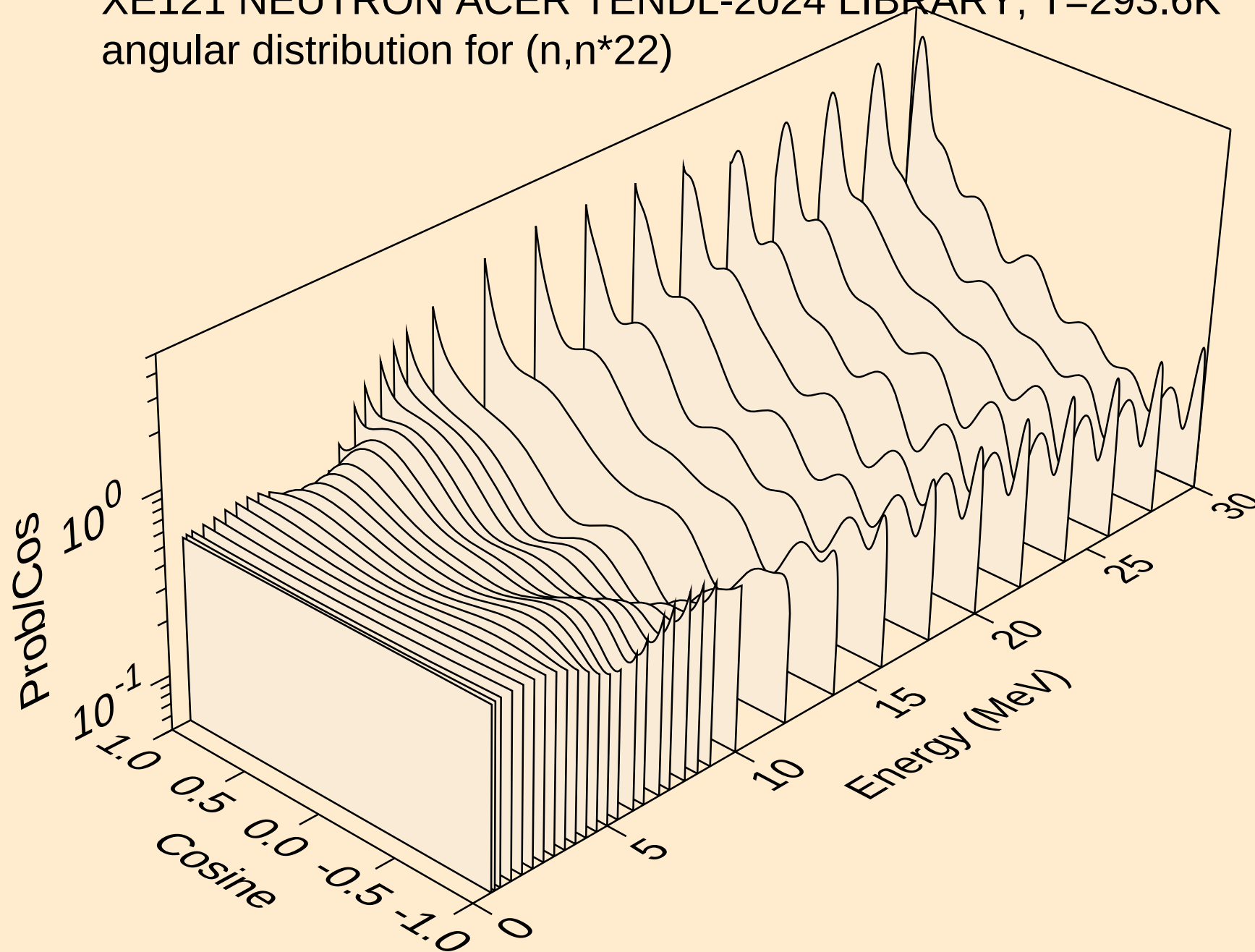
XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*20)



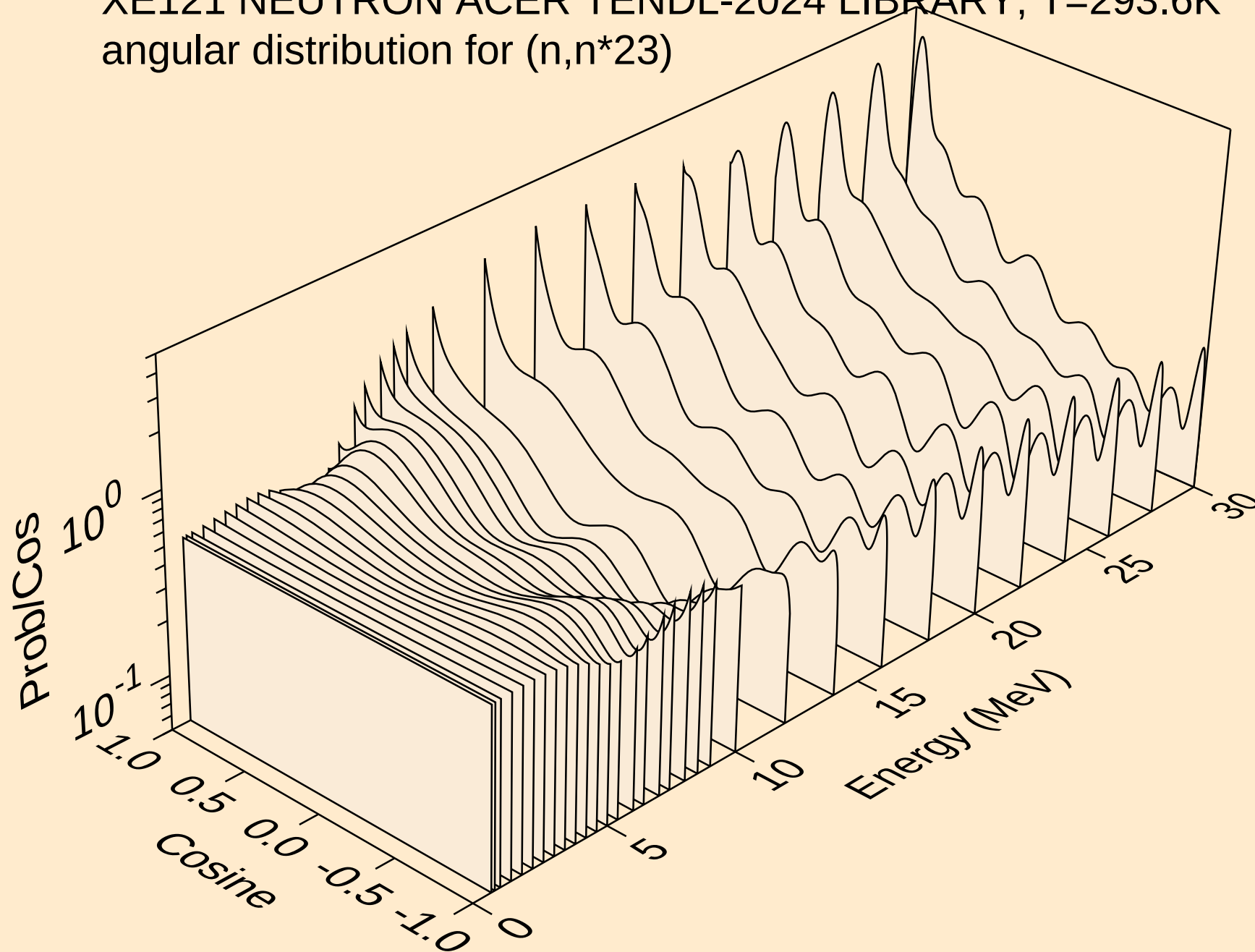
XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*21)



XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*22)

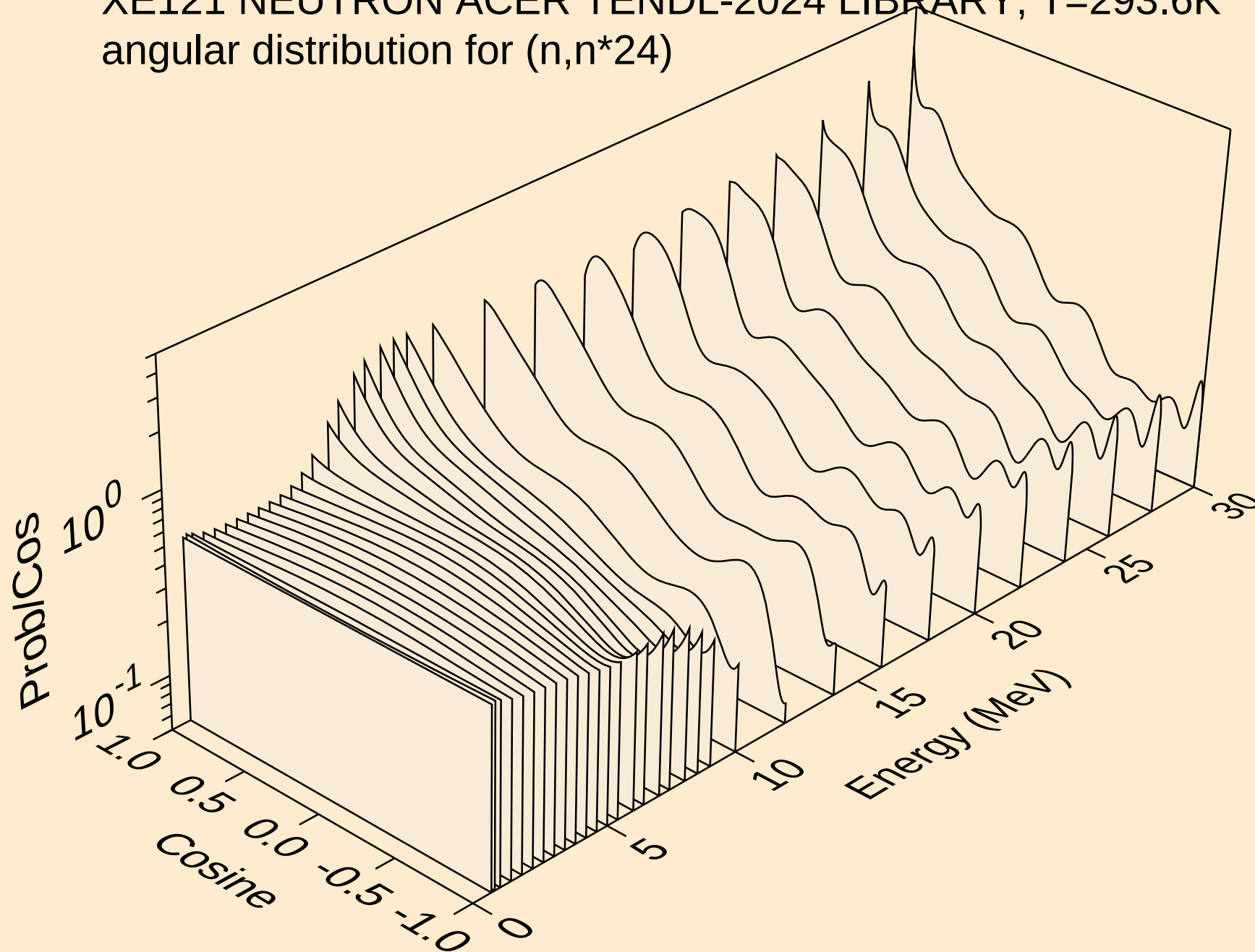


XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*23)



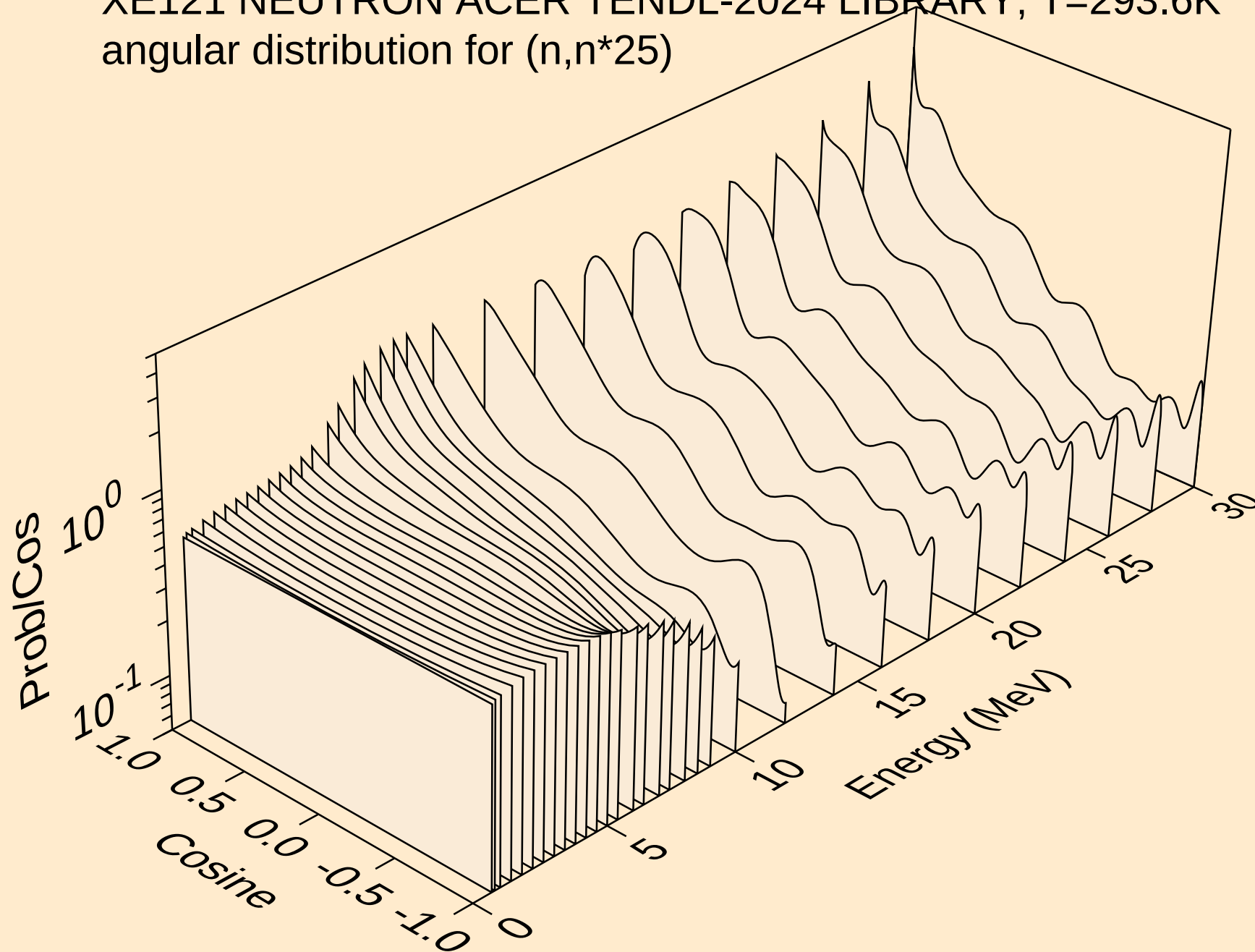


XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*24)

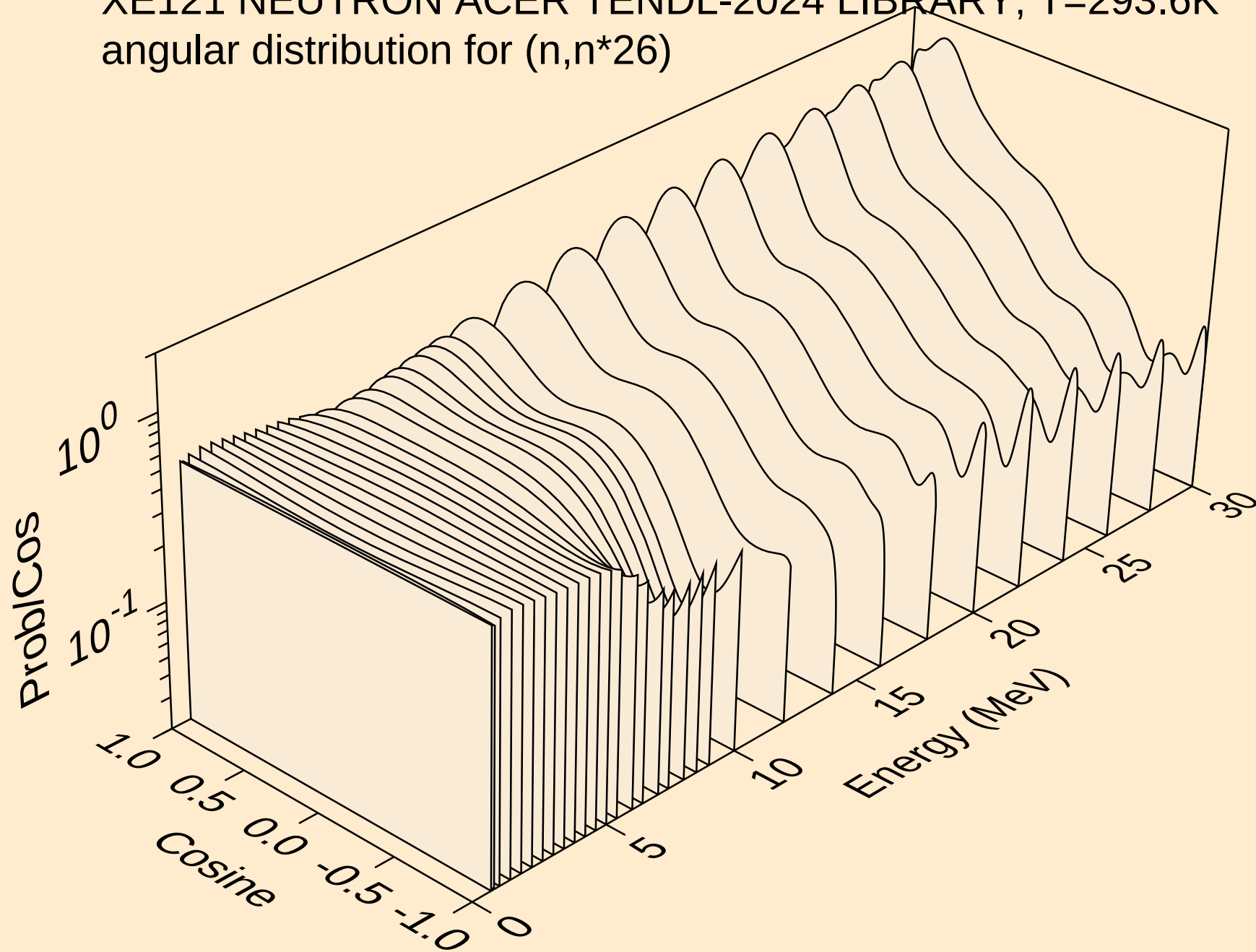




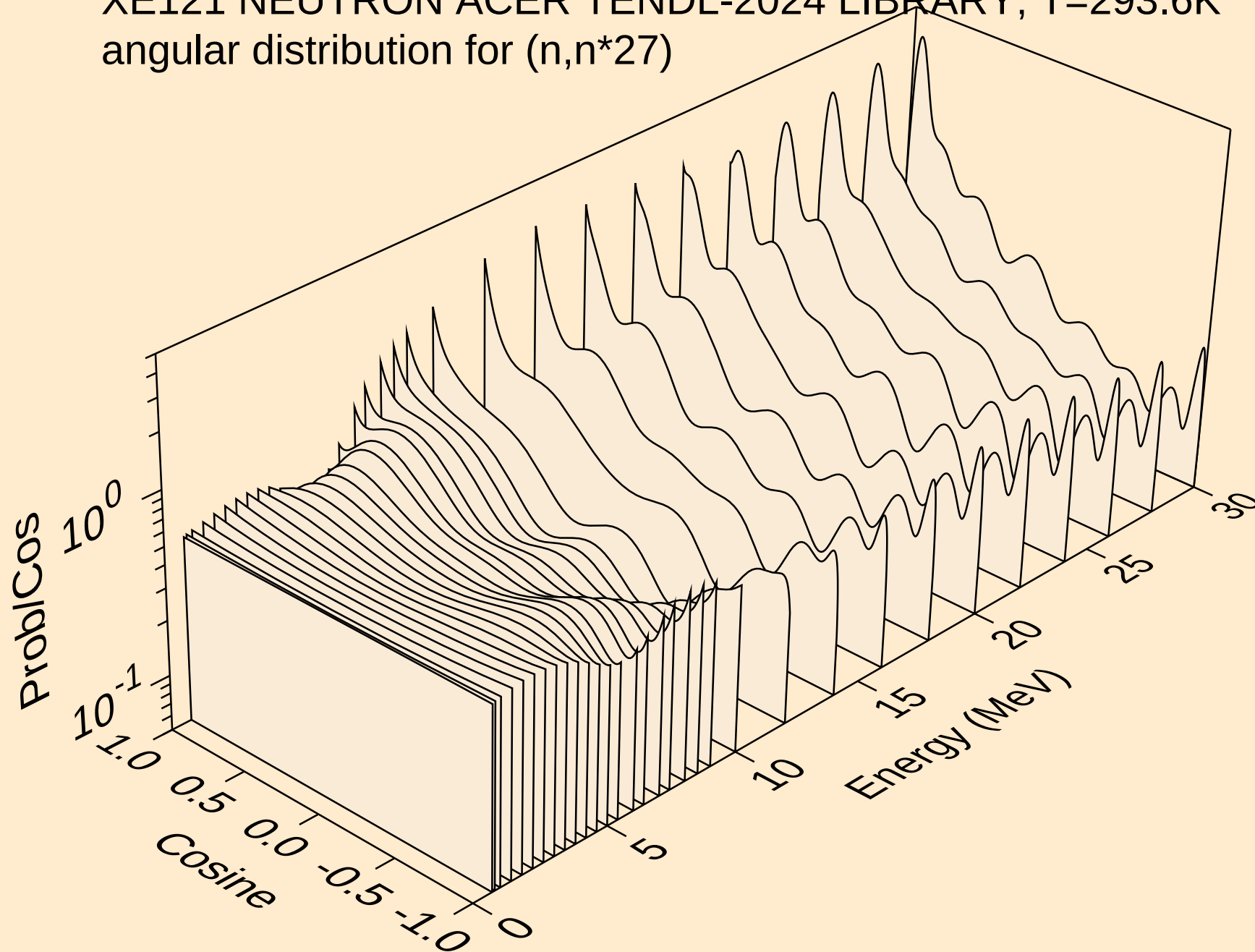
XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*25)



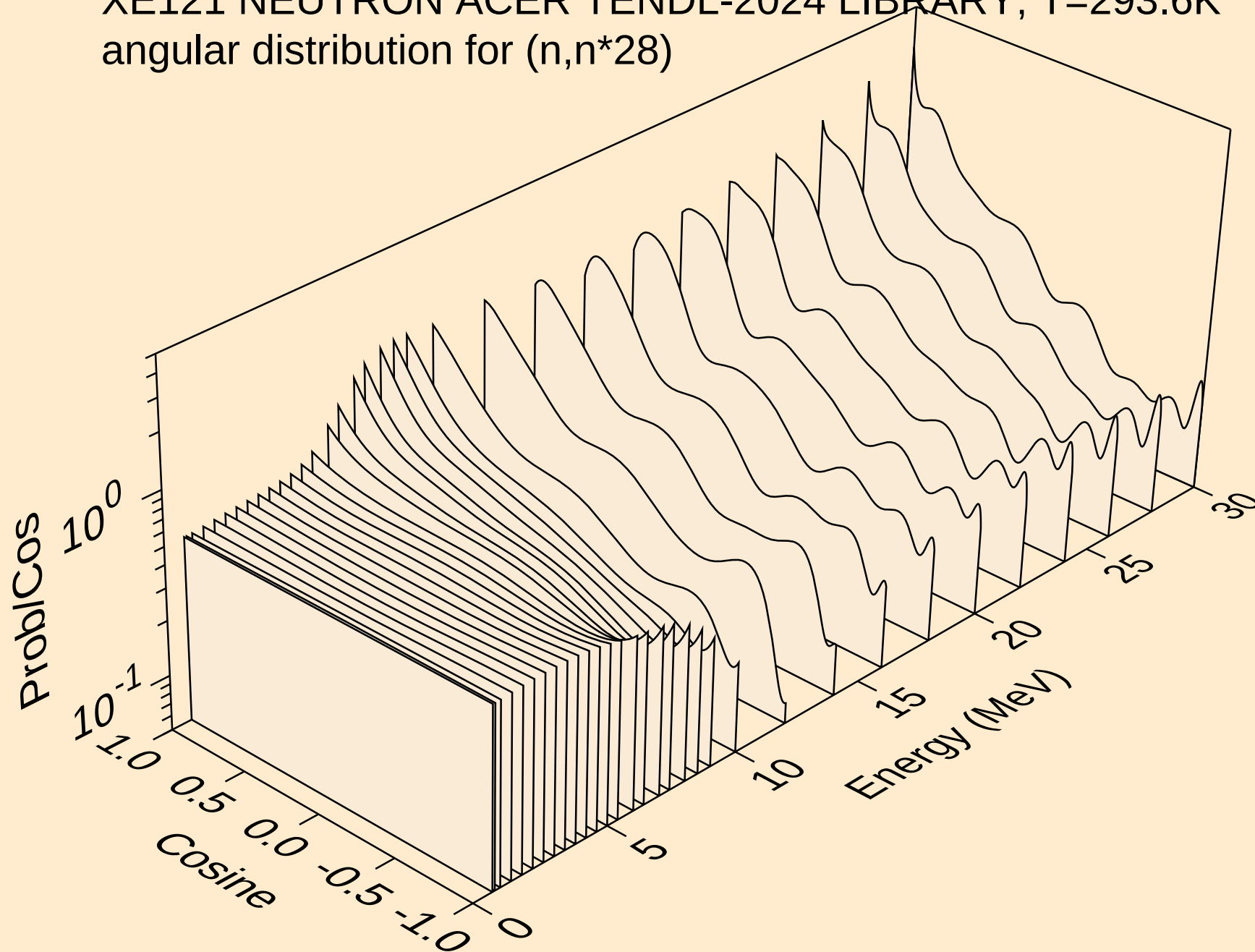
XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*26)



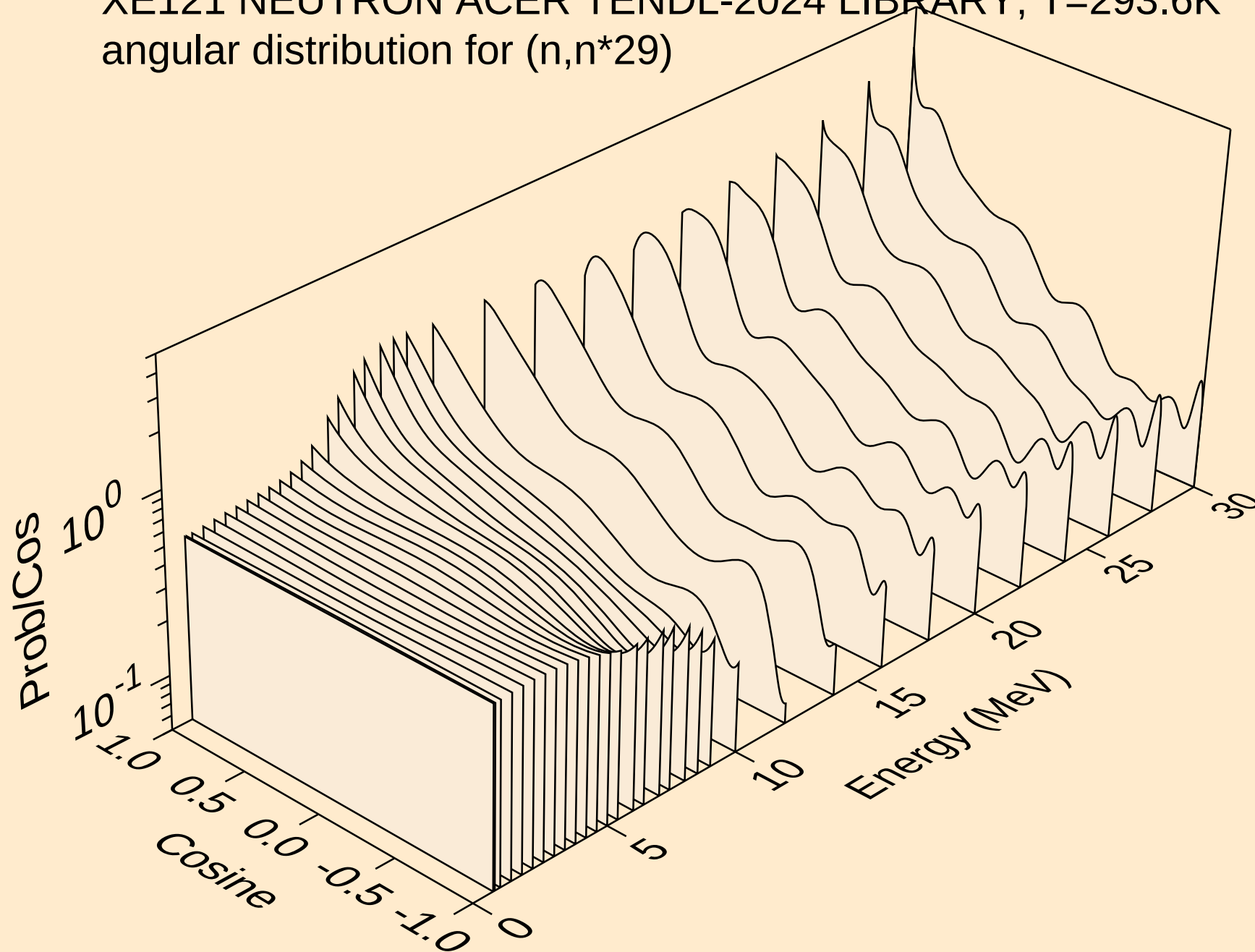
XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*27)



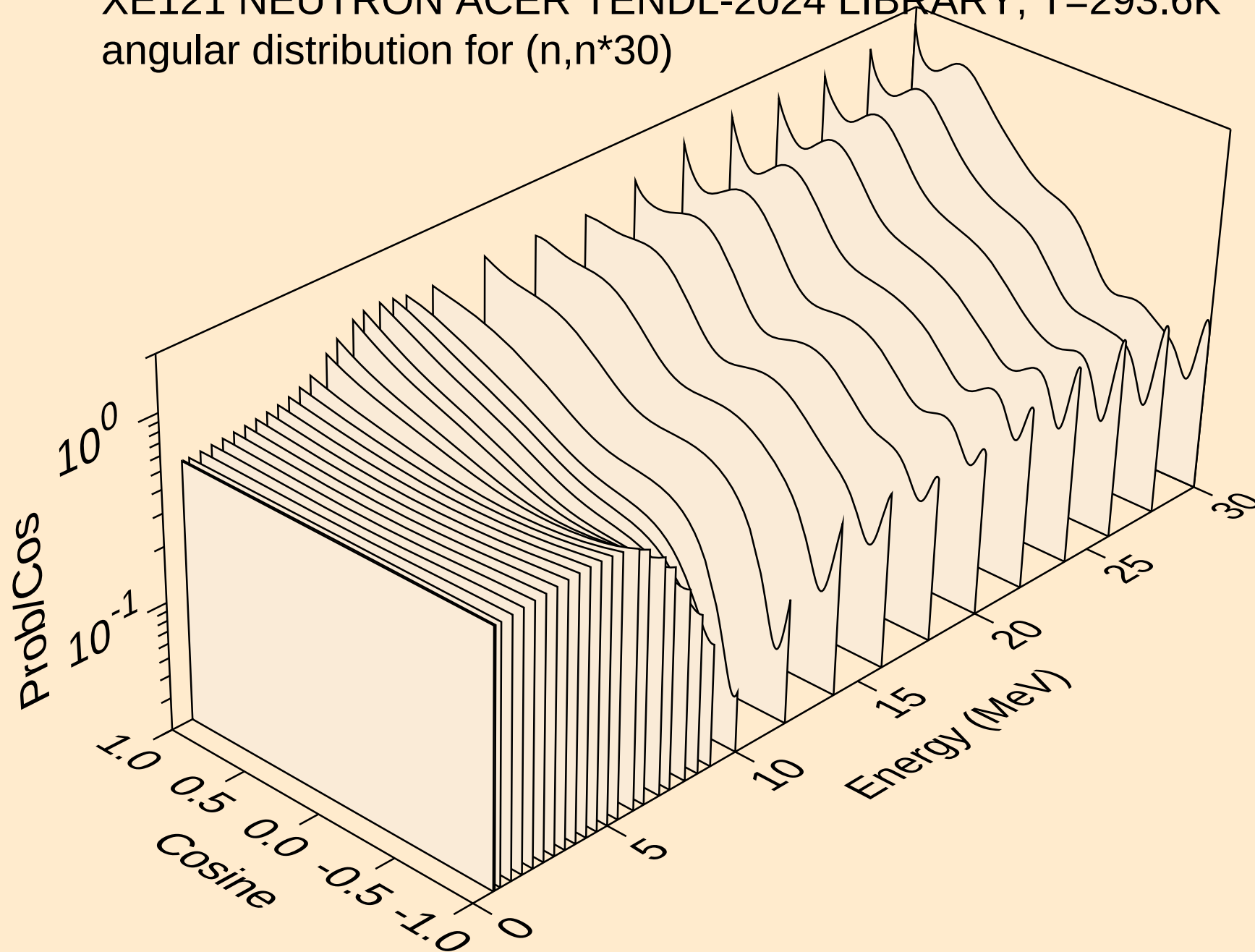
XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*28)



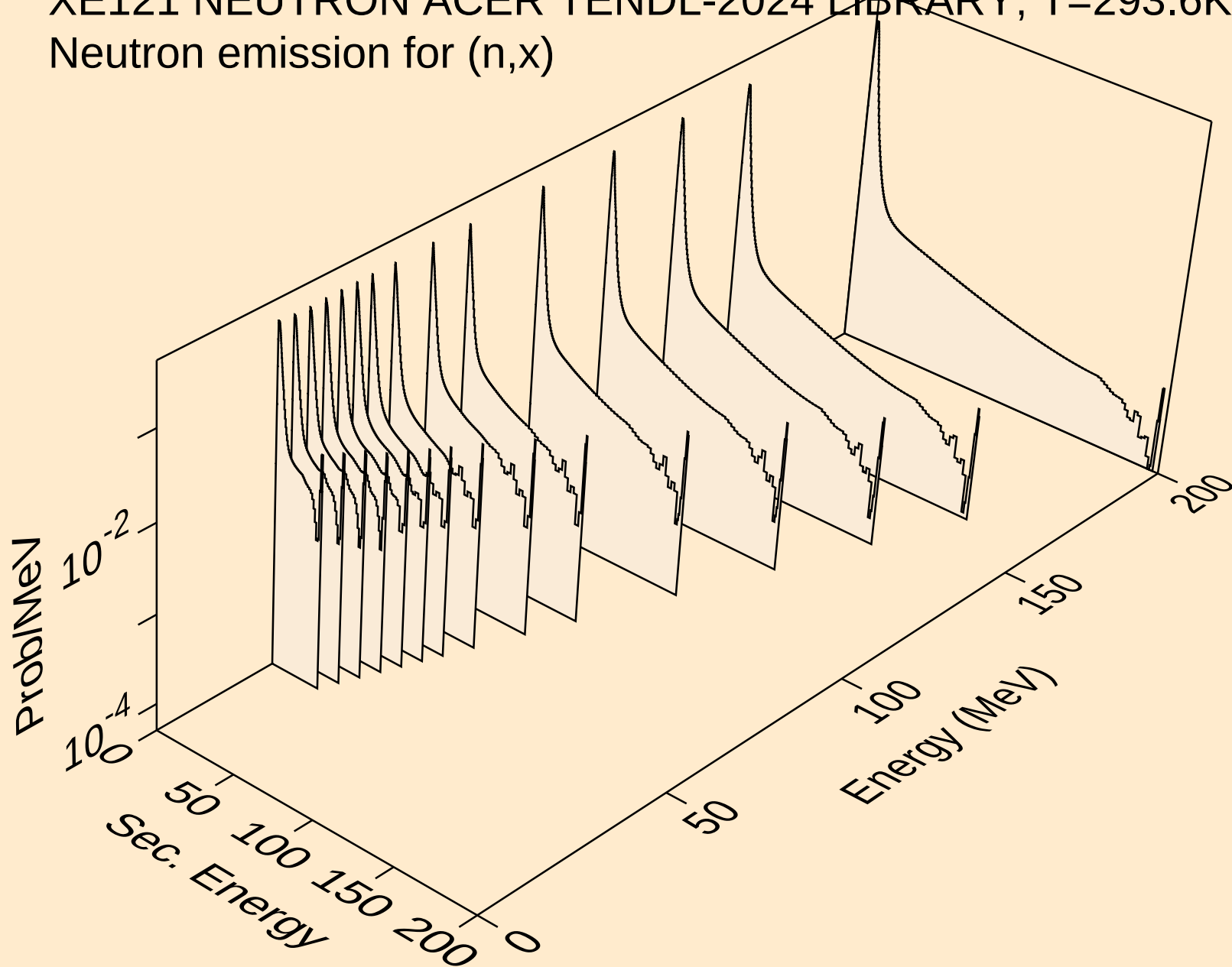
XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*29)



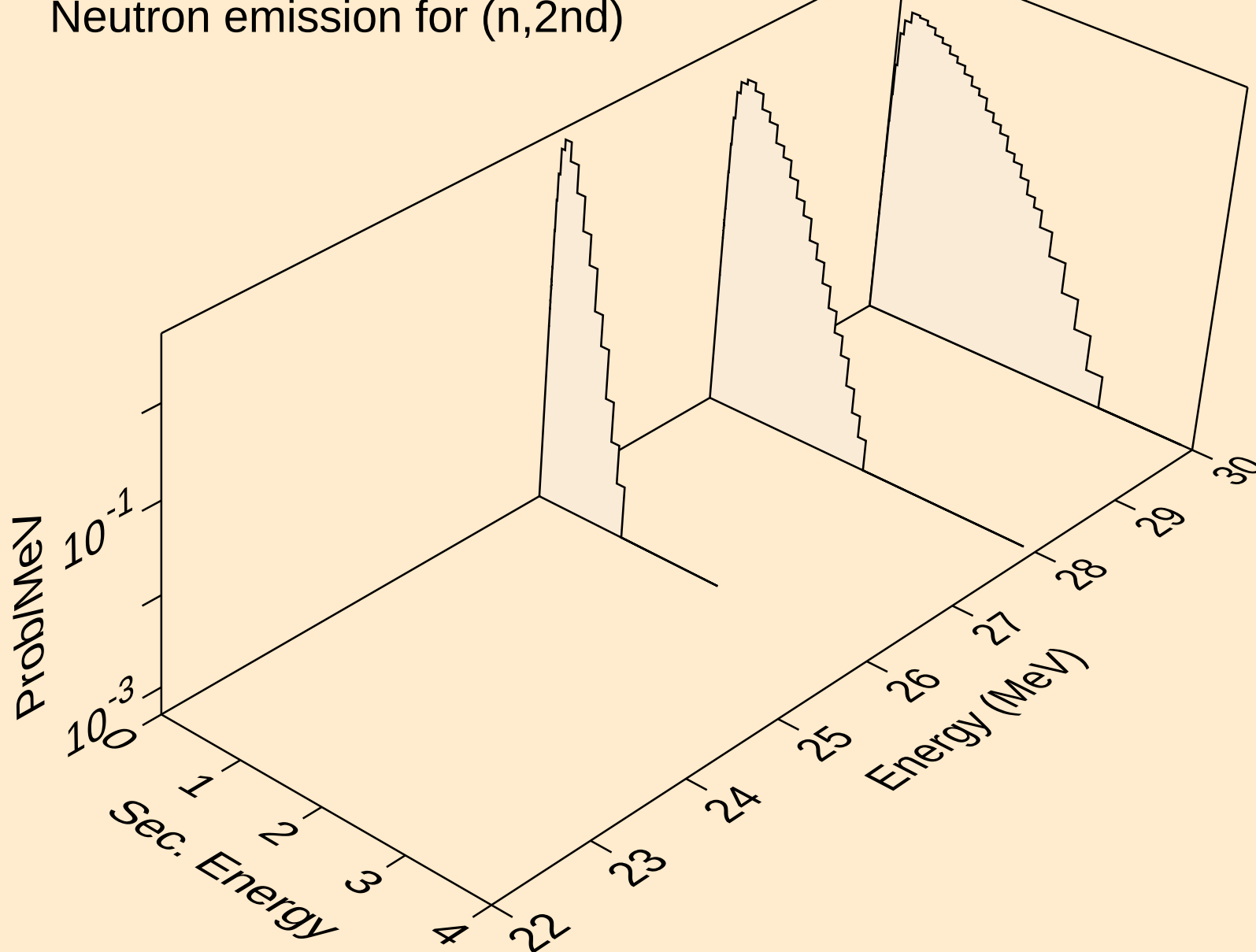
XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*30)



XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,x)

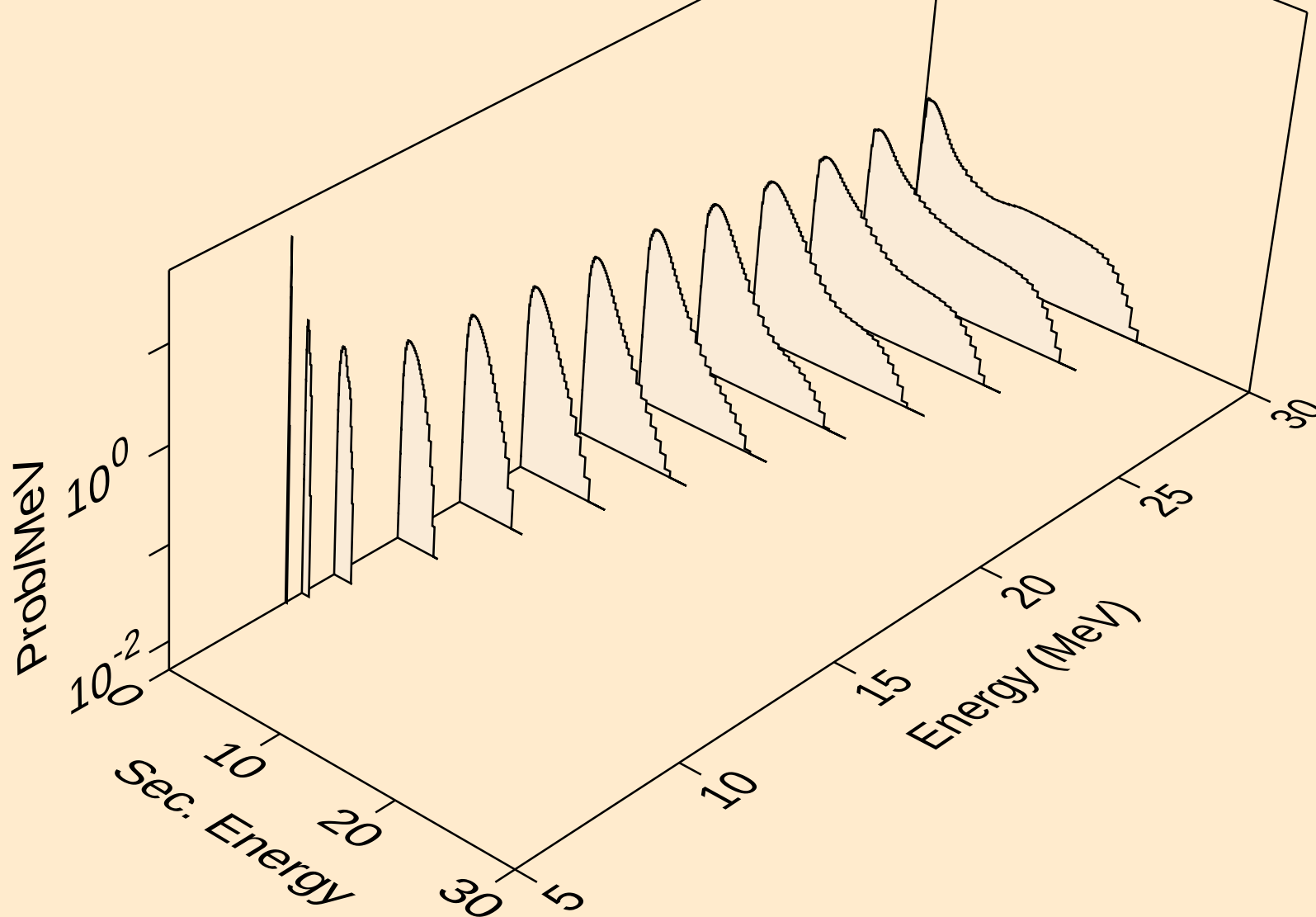


XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,2nd)

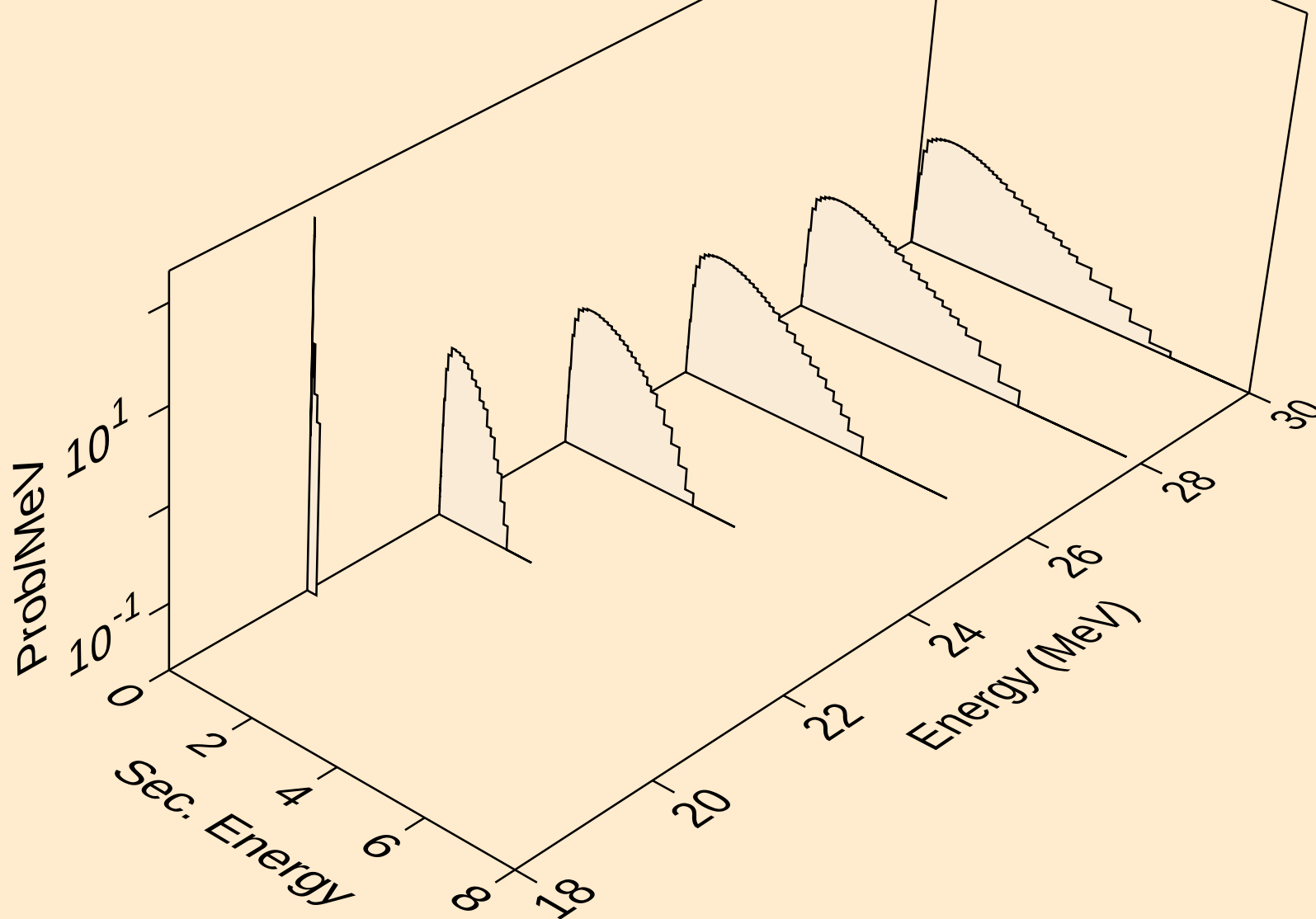




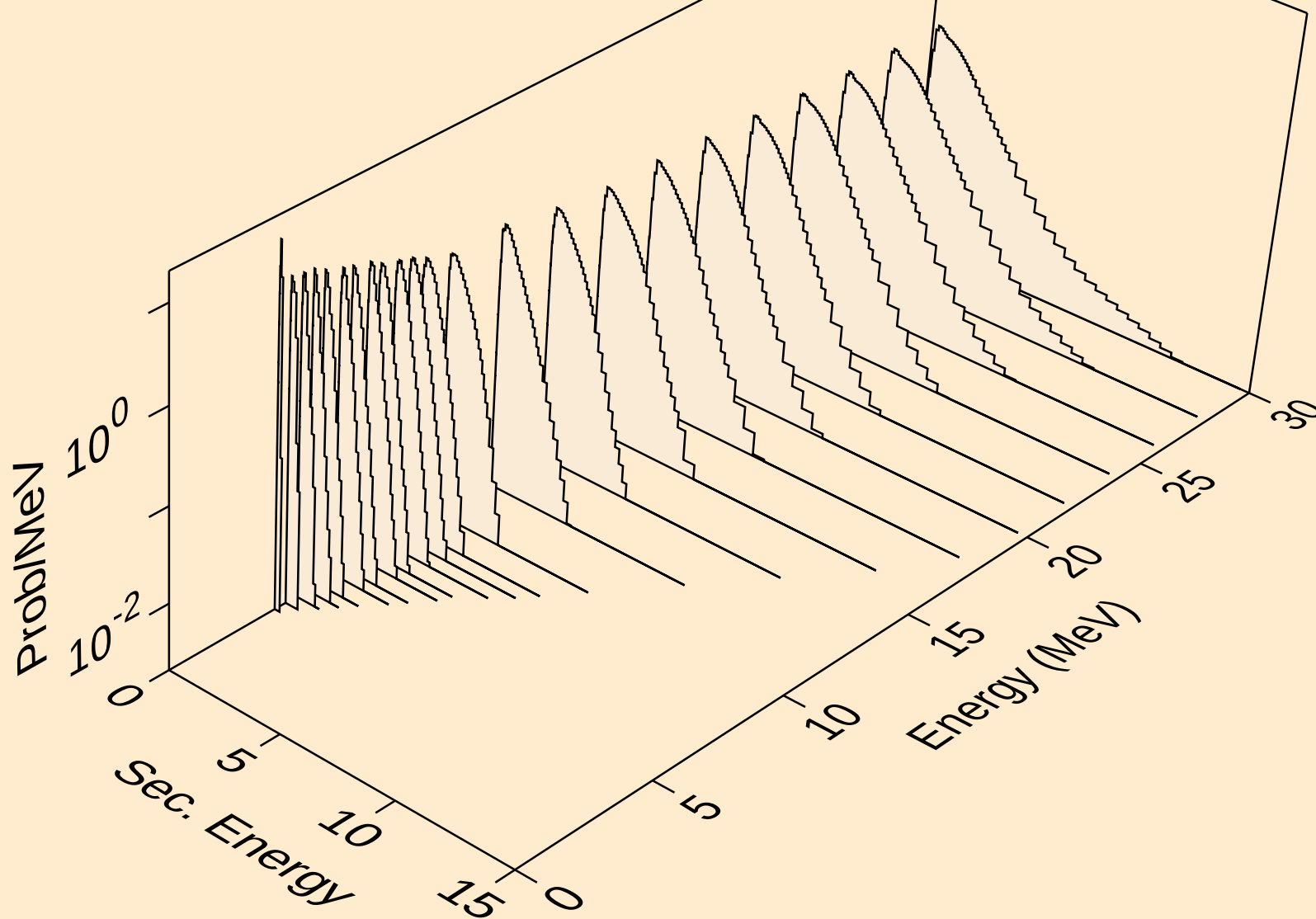
XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,2n)



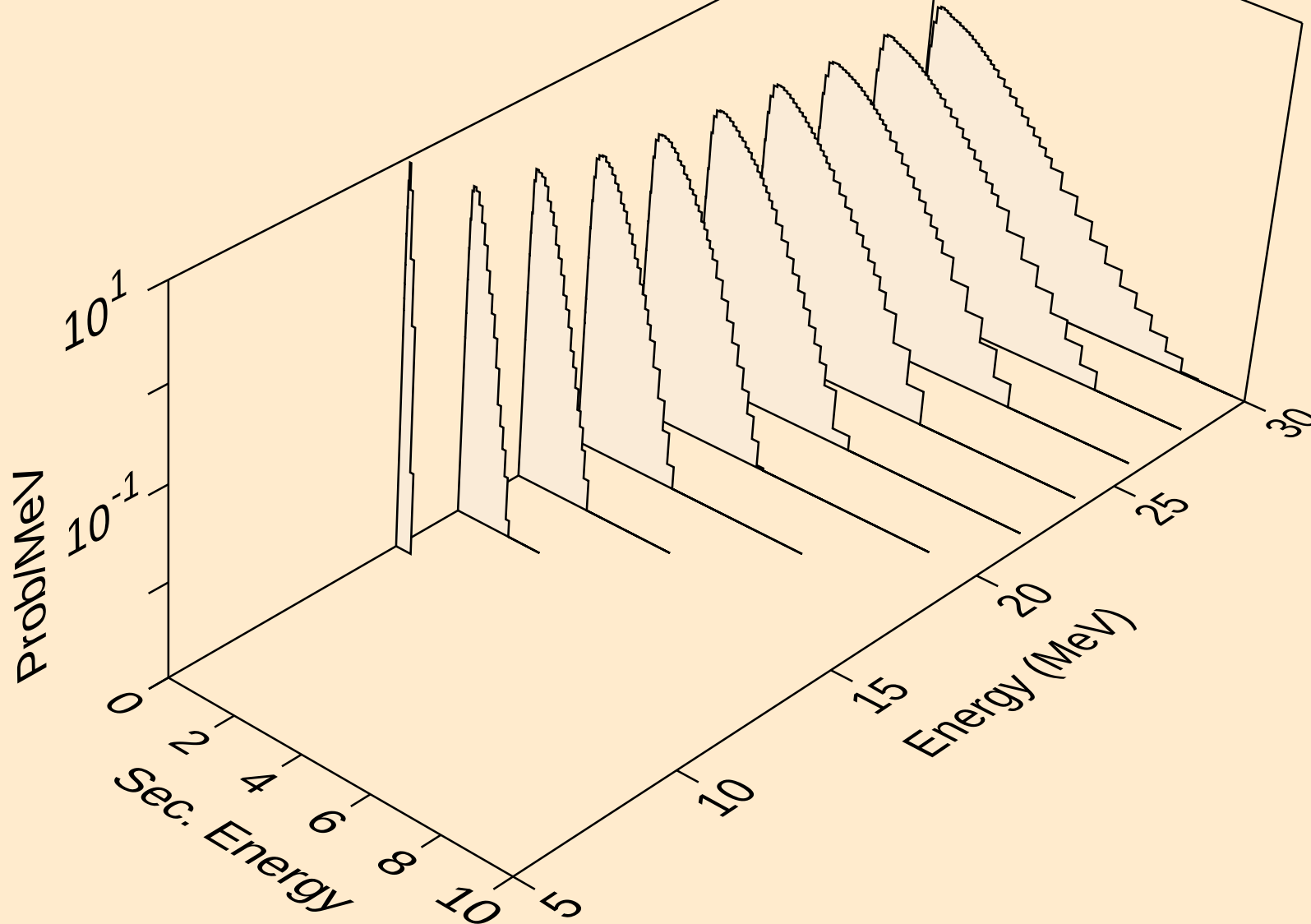
XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,3n)



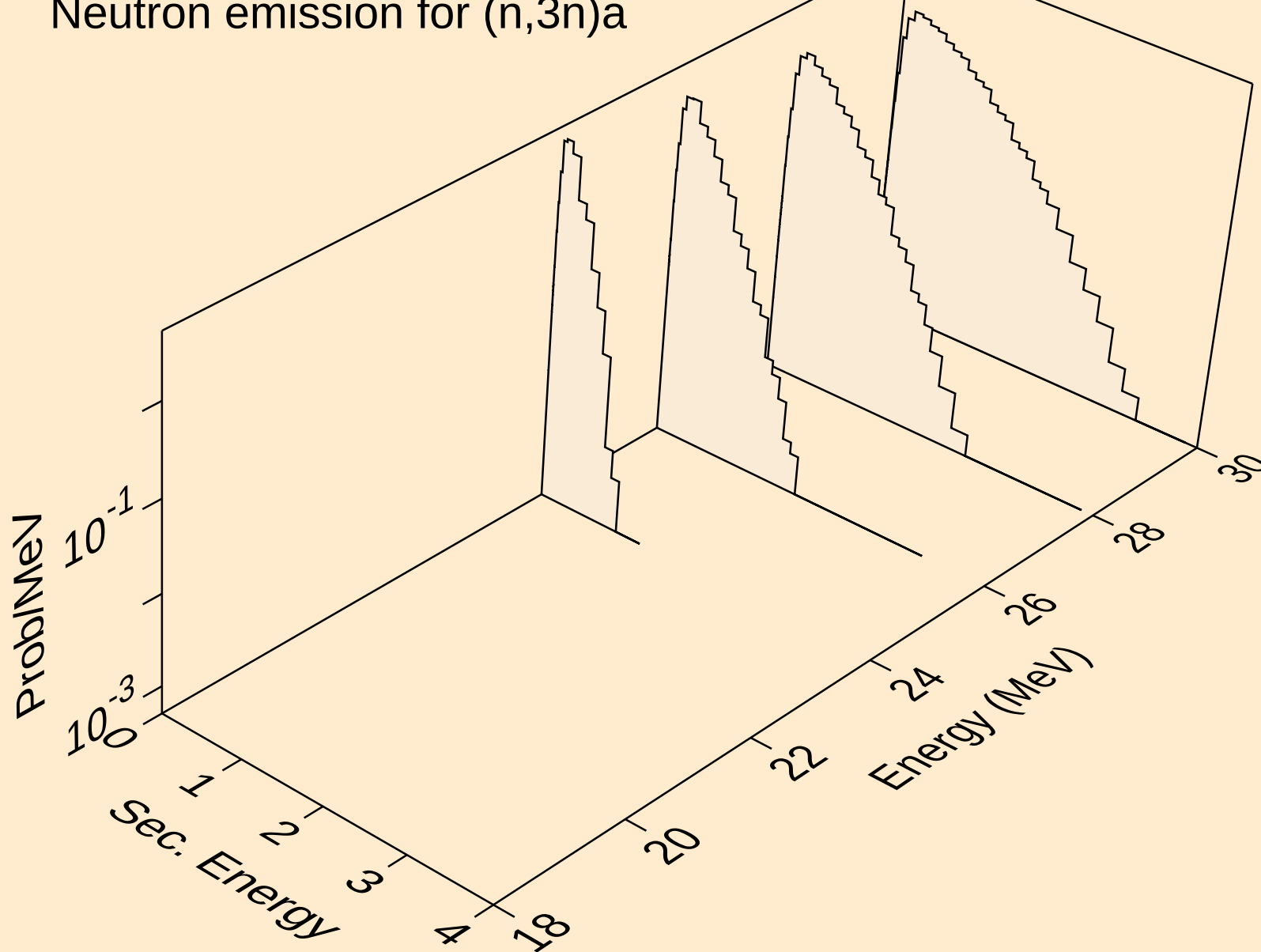
XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)a



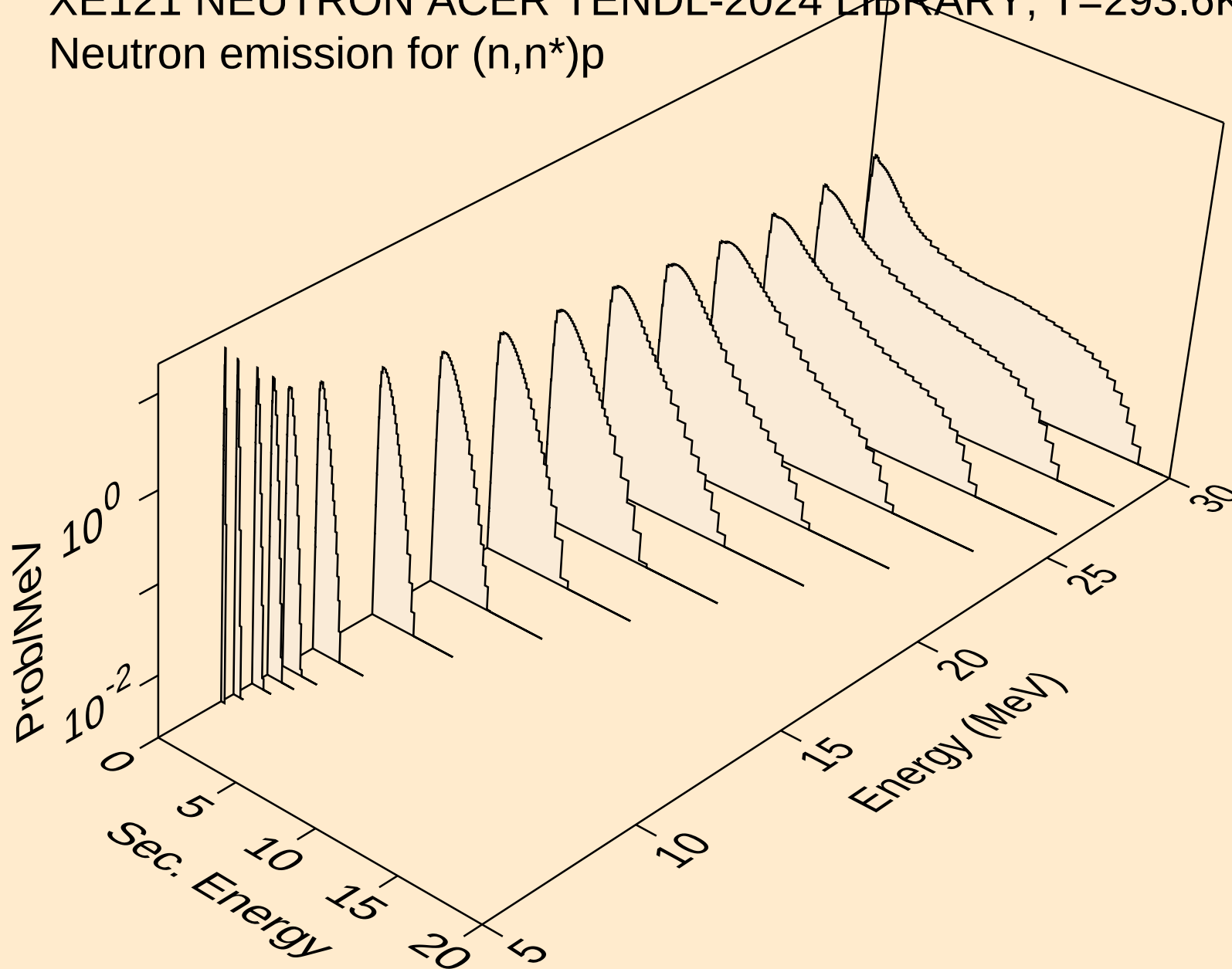
XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,2n)<sub>a</sub>



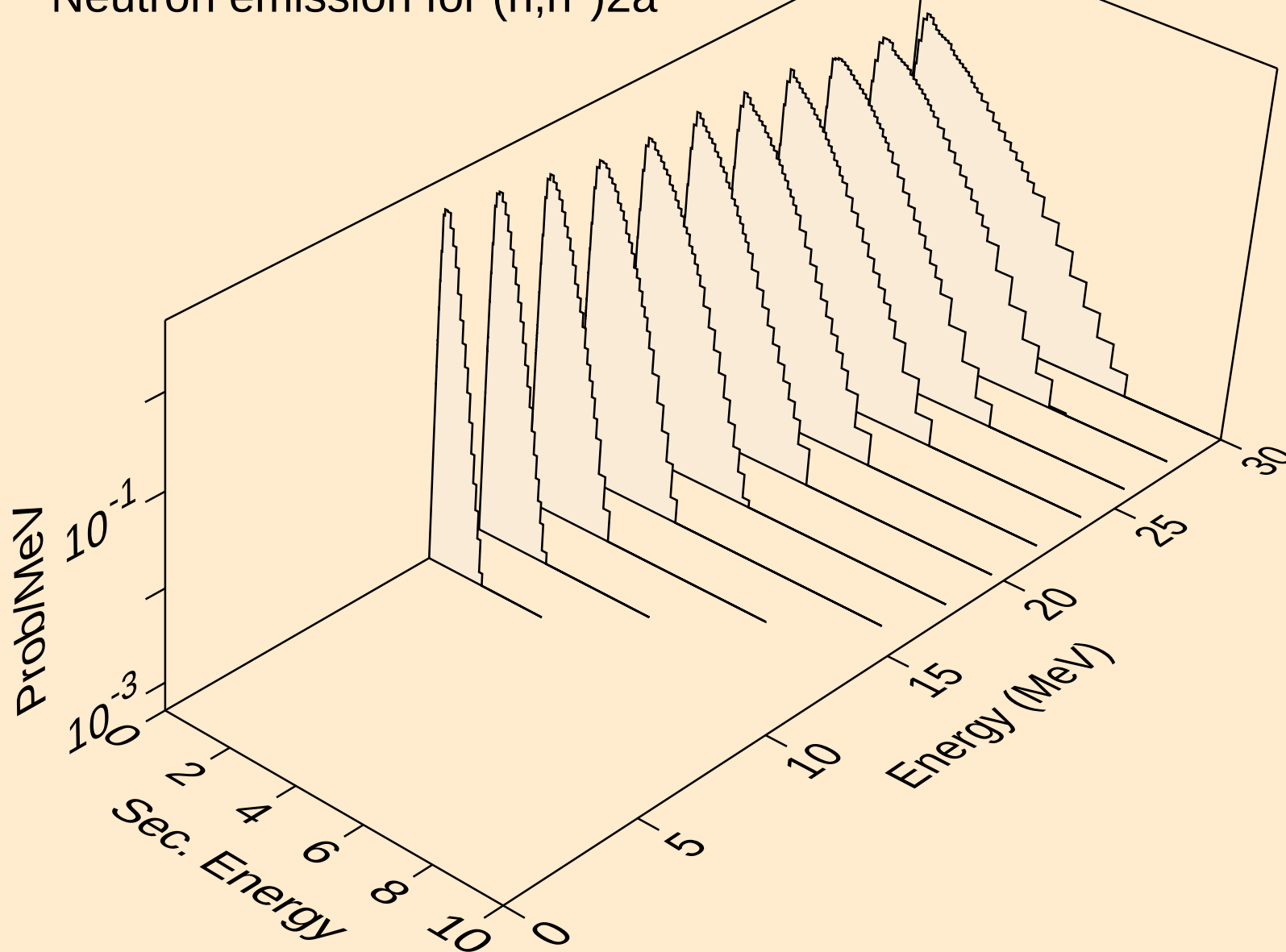
XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,3n) $\alpha$



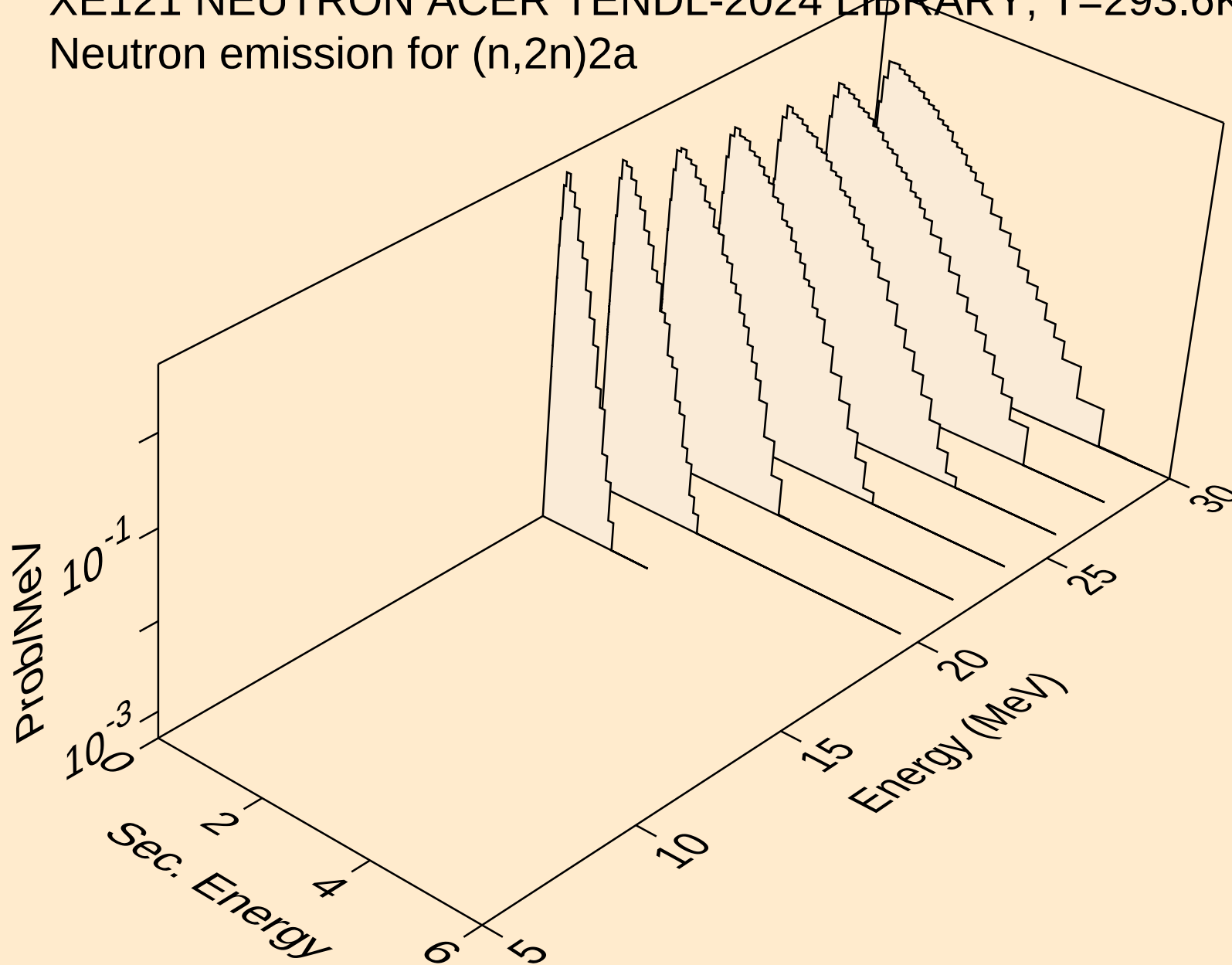
XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)p



XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)2a

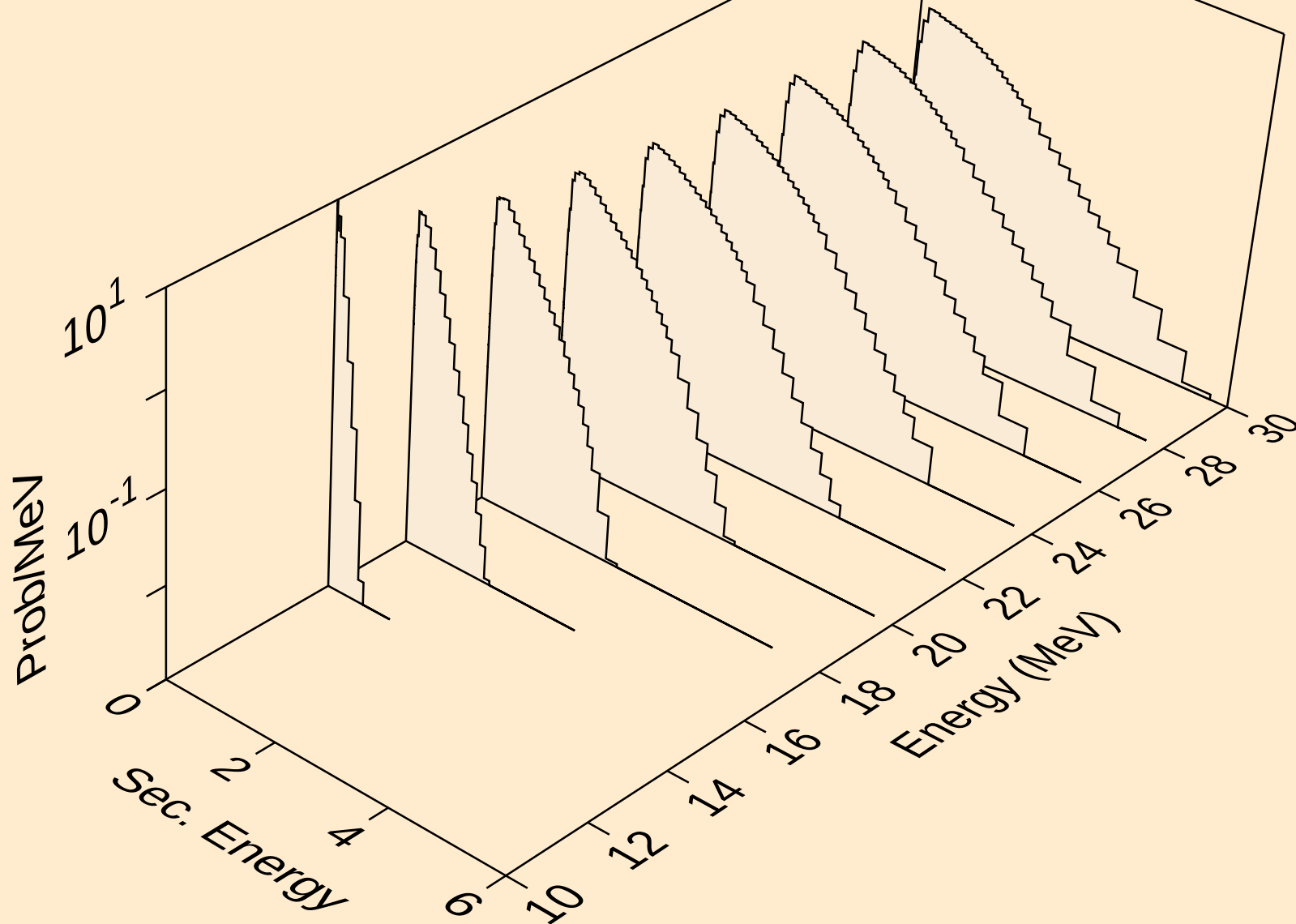


XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,2n)2a

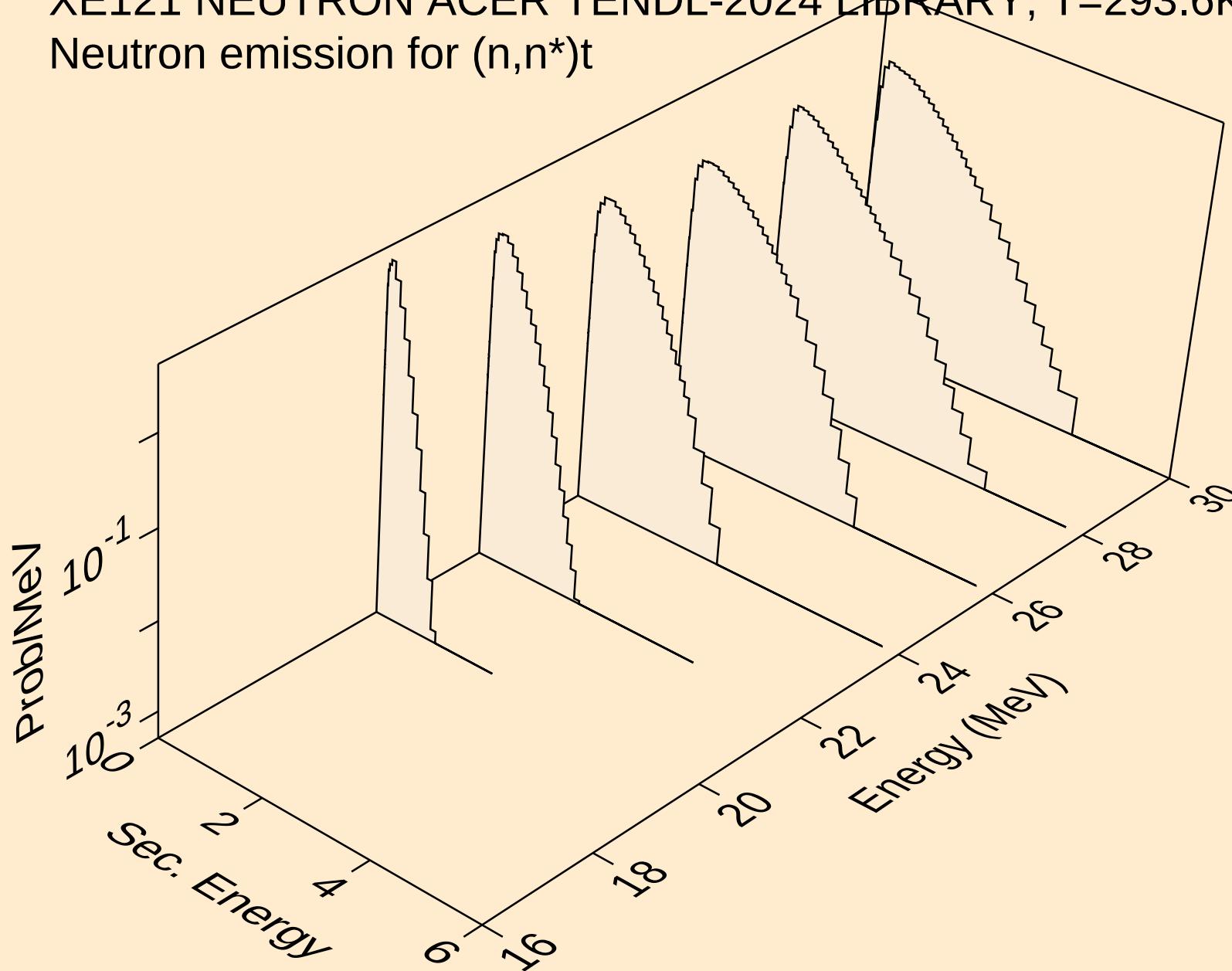




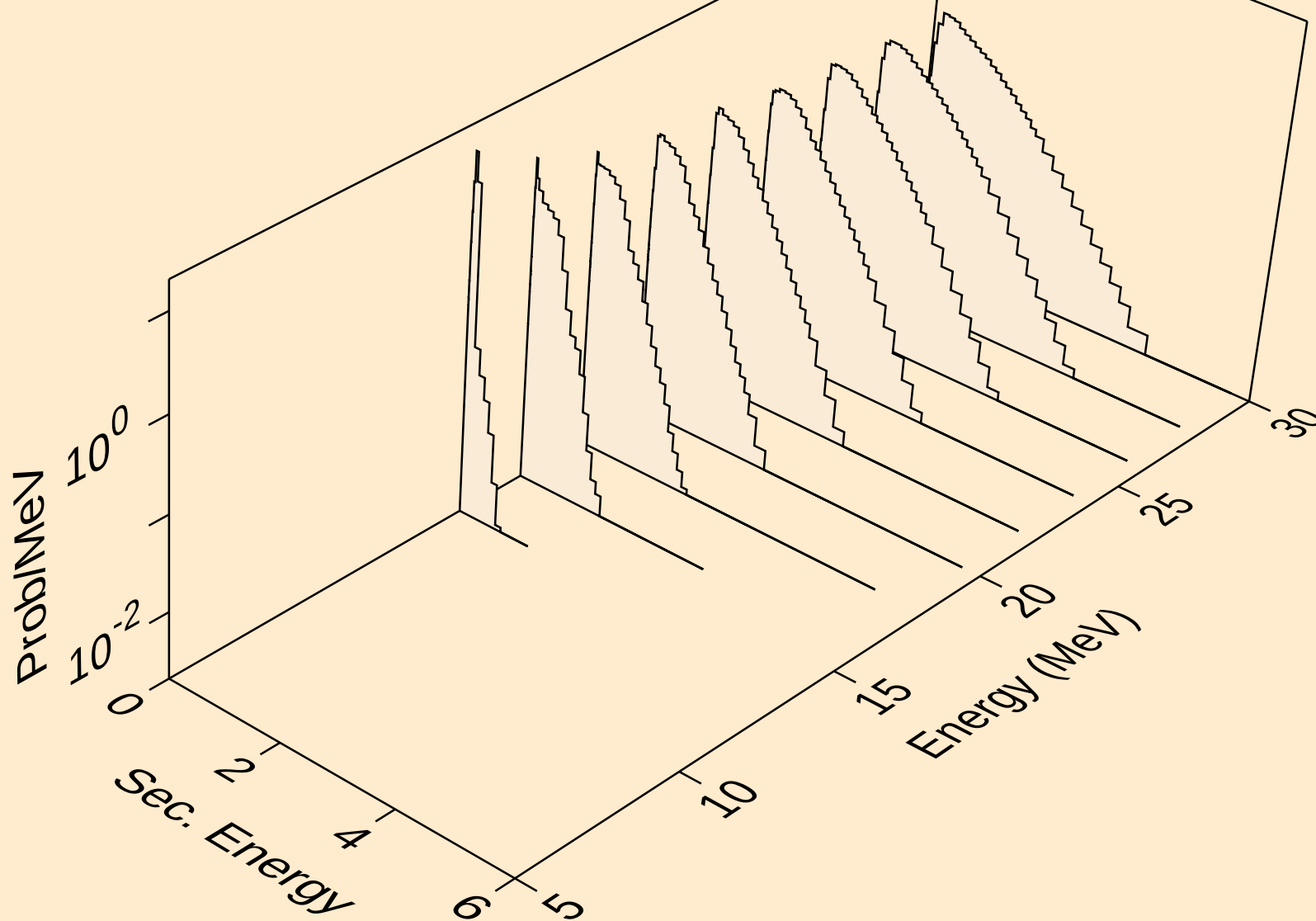
XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)d



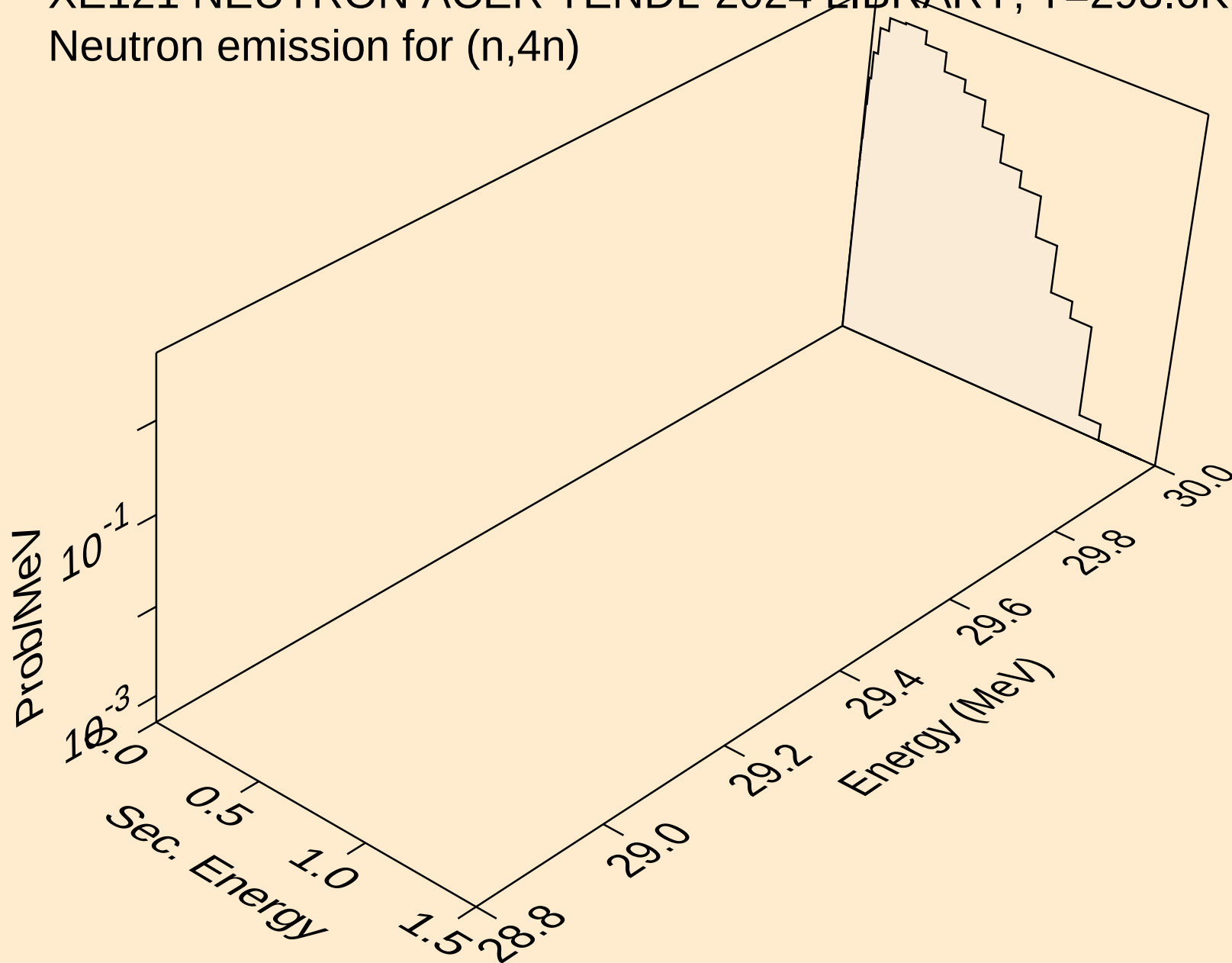
XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)t



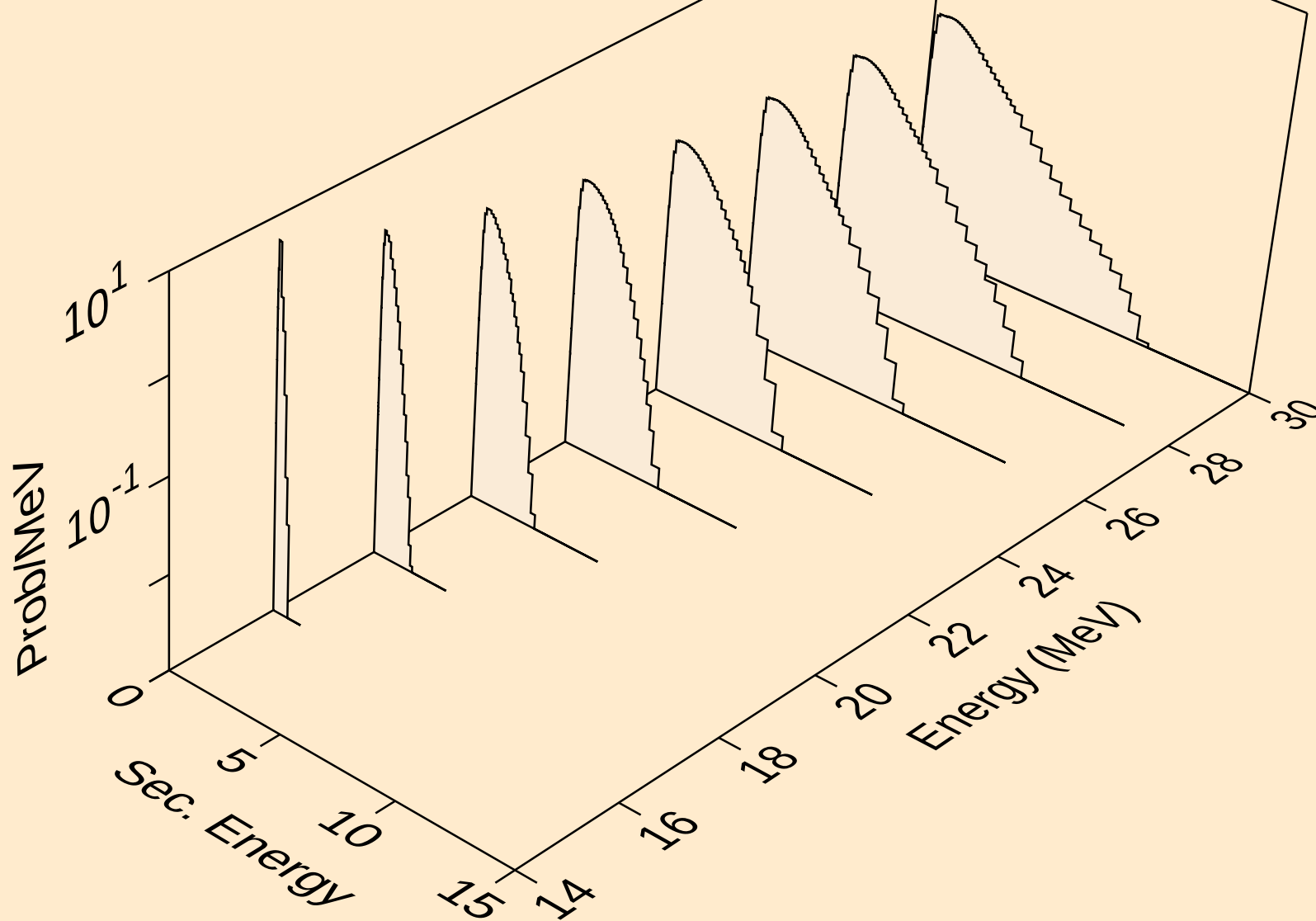
XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)he3



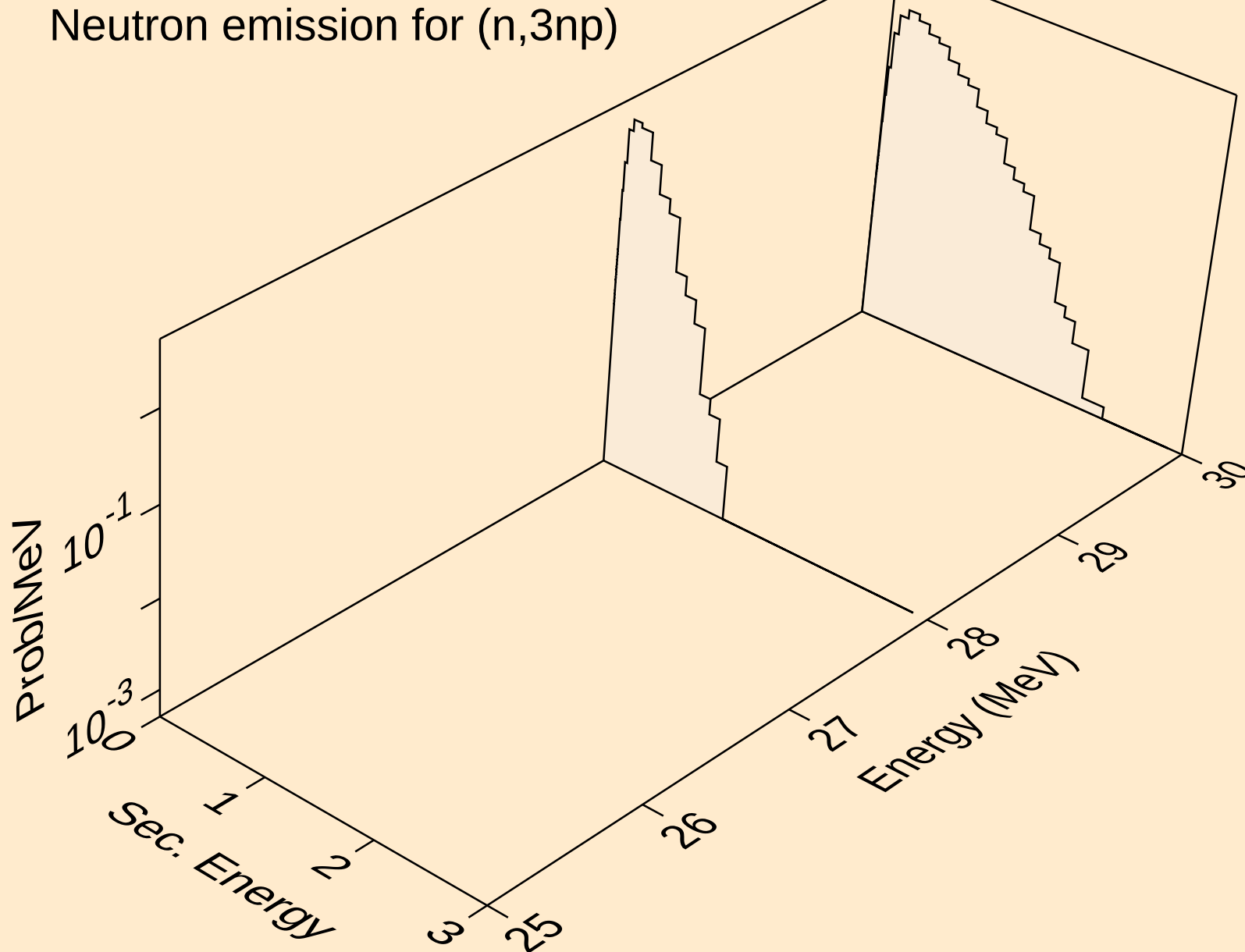
XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,4n)



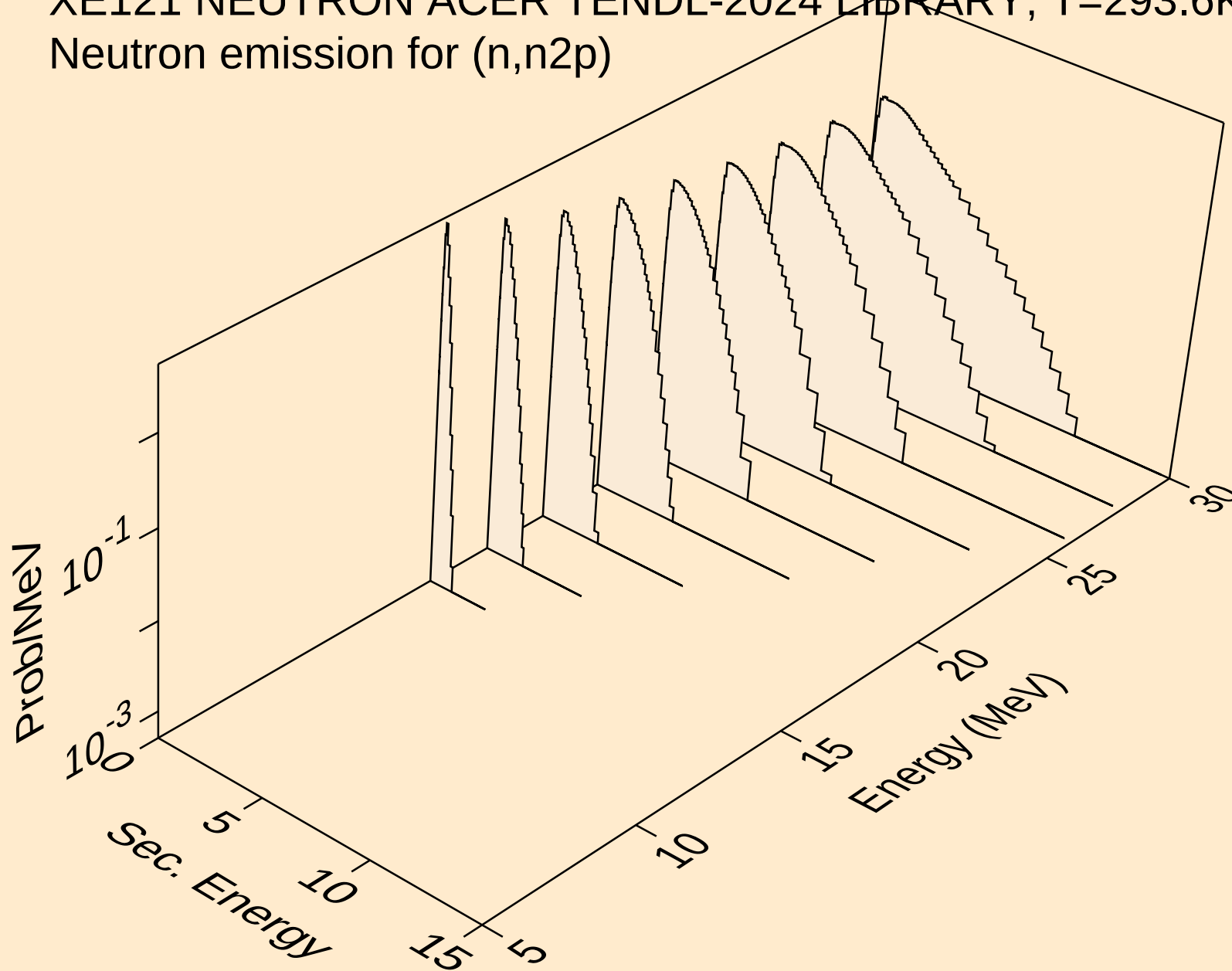
XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,2np)



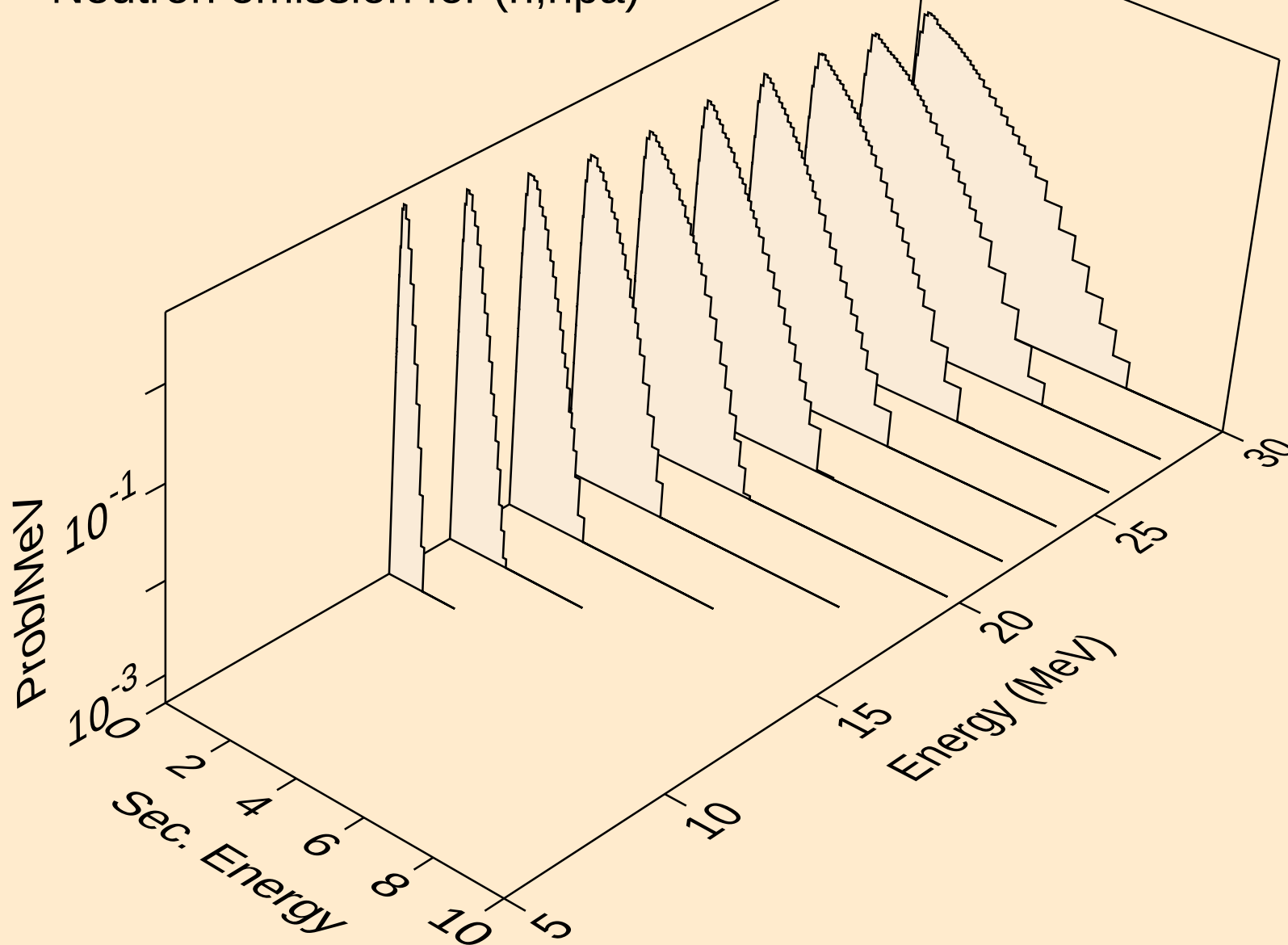
XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,3np)



XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n2p)

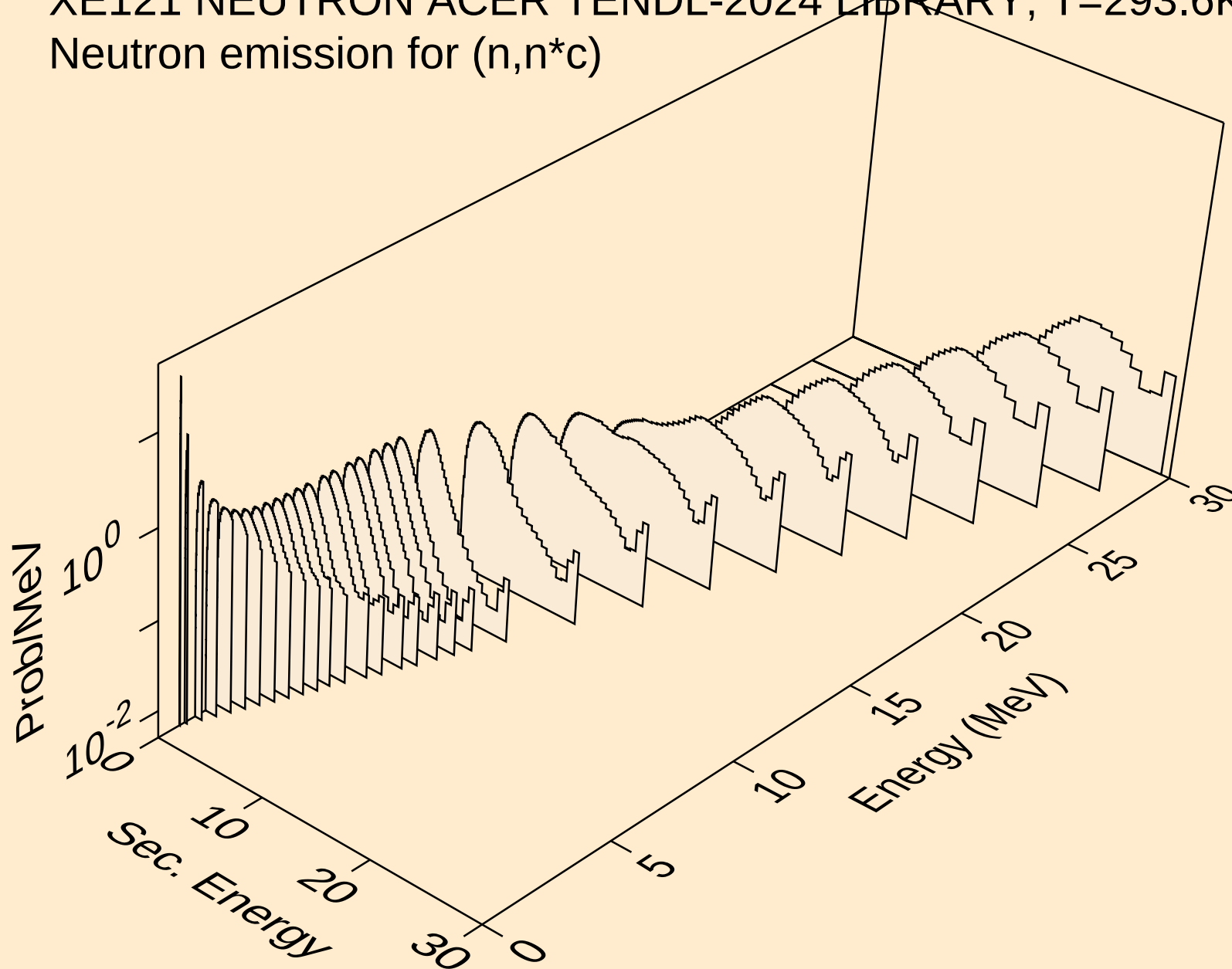


XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,npa)

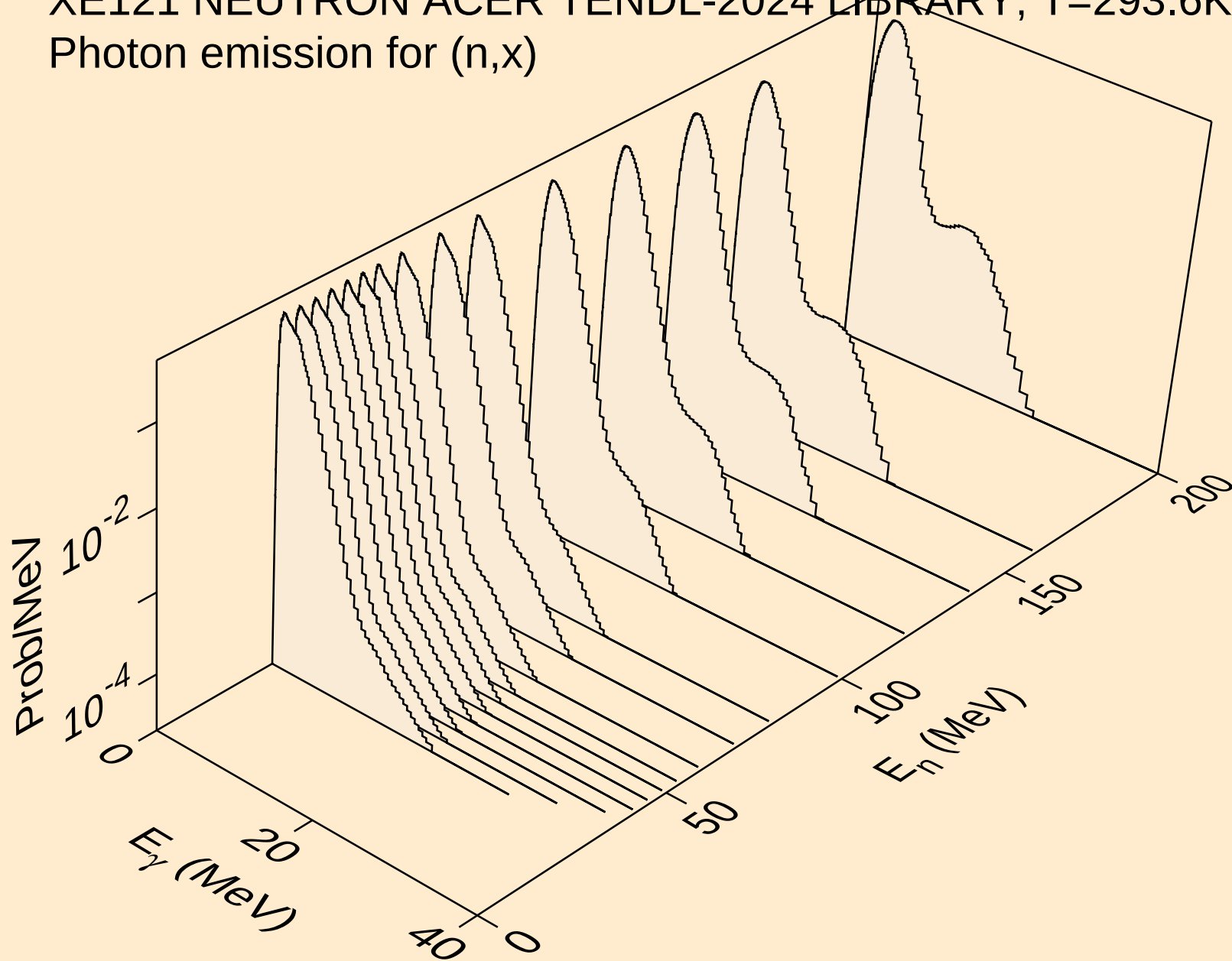




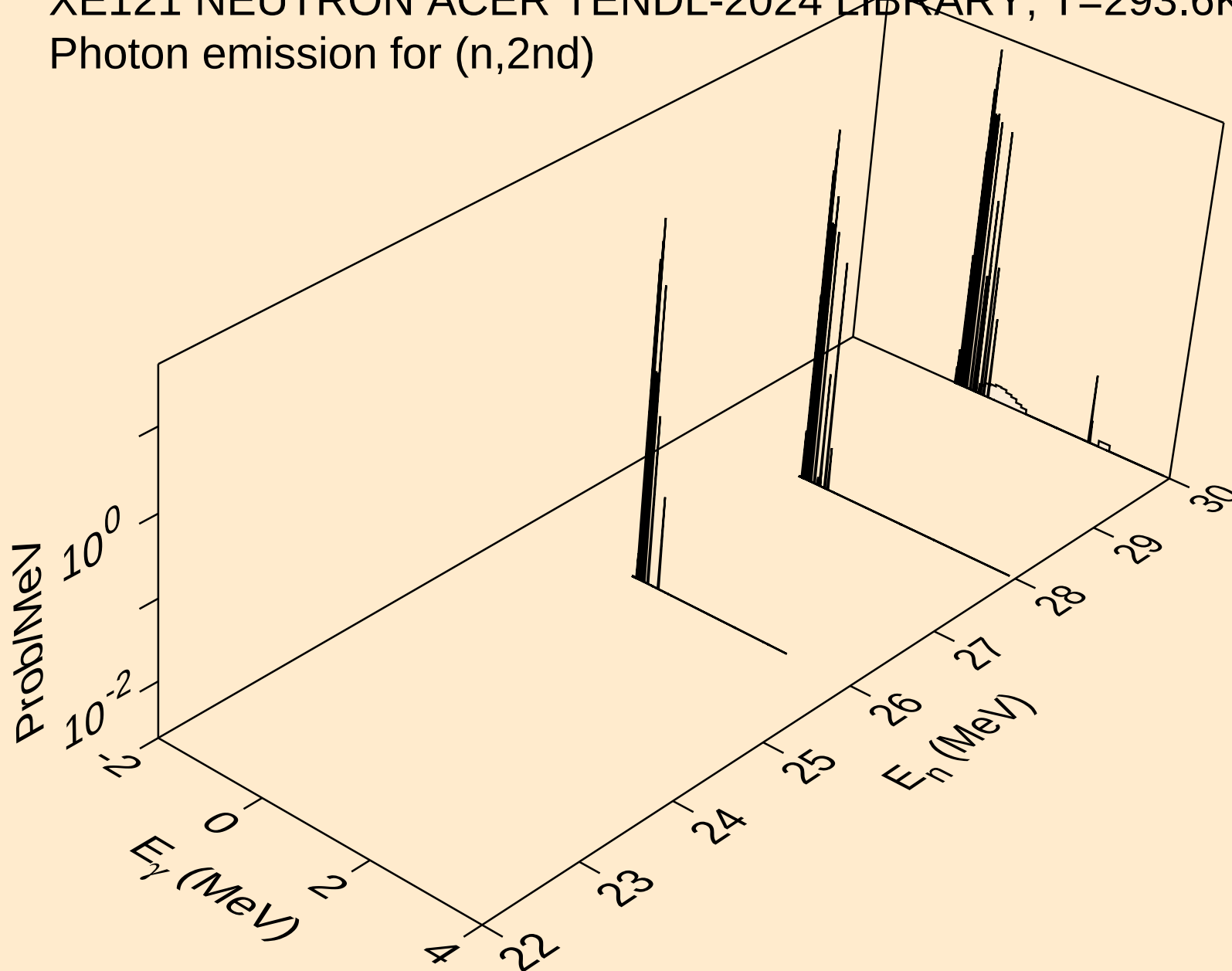
XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*c)



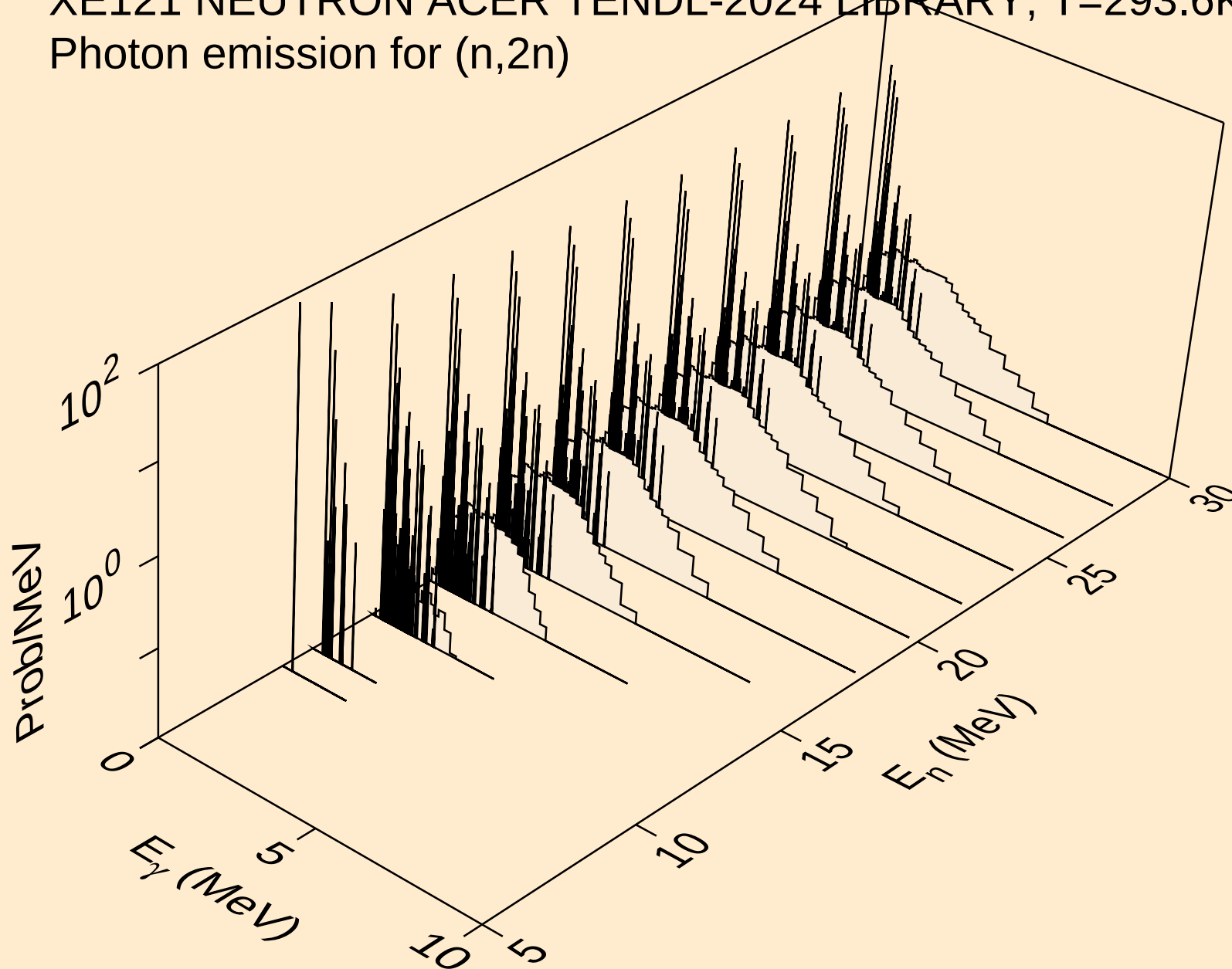
XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,x)



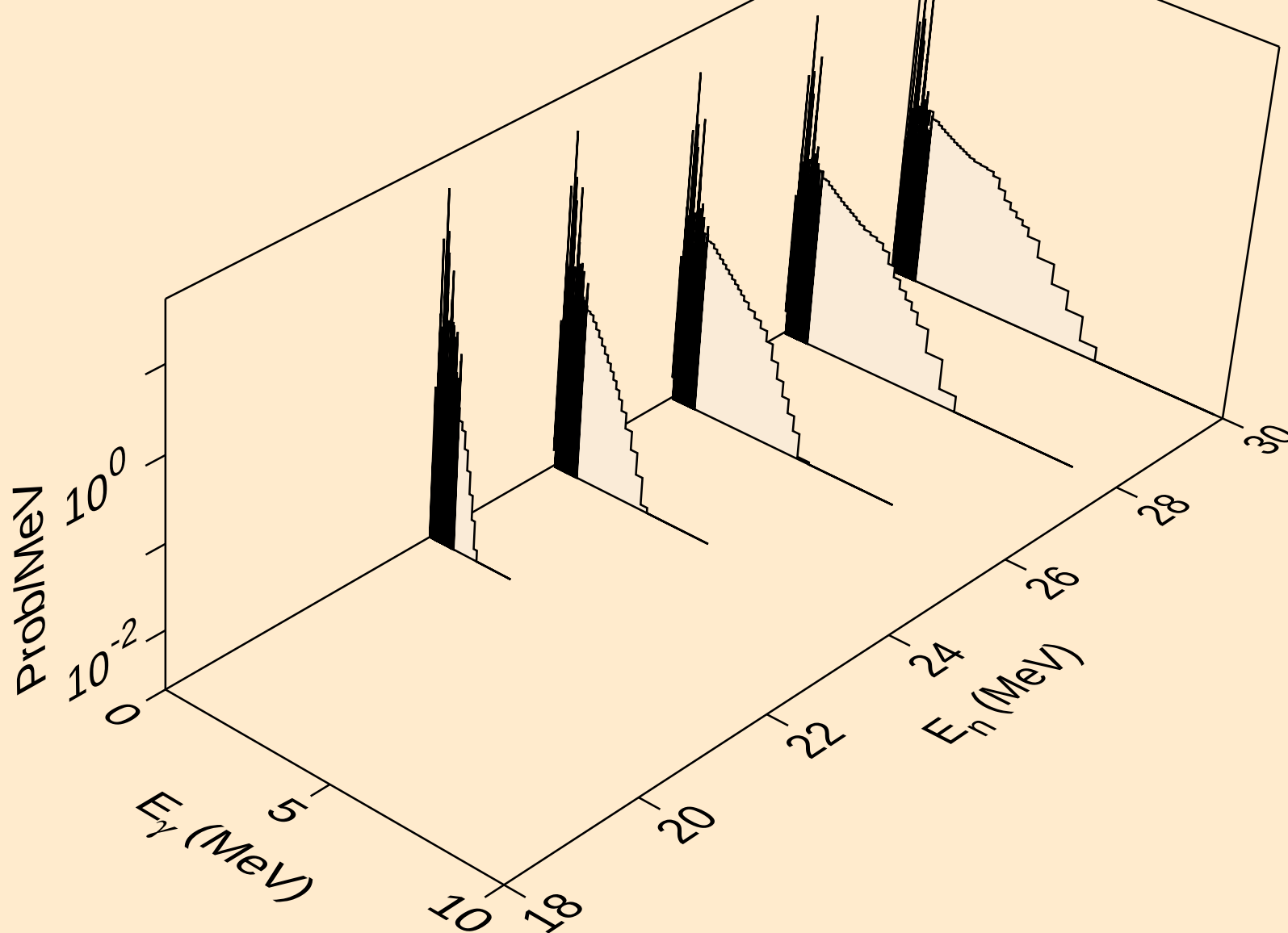
XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,2nd)



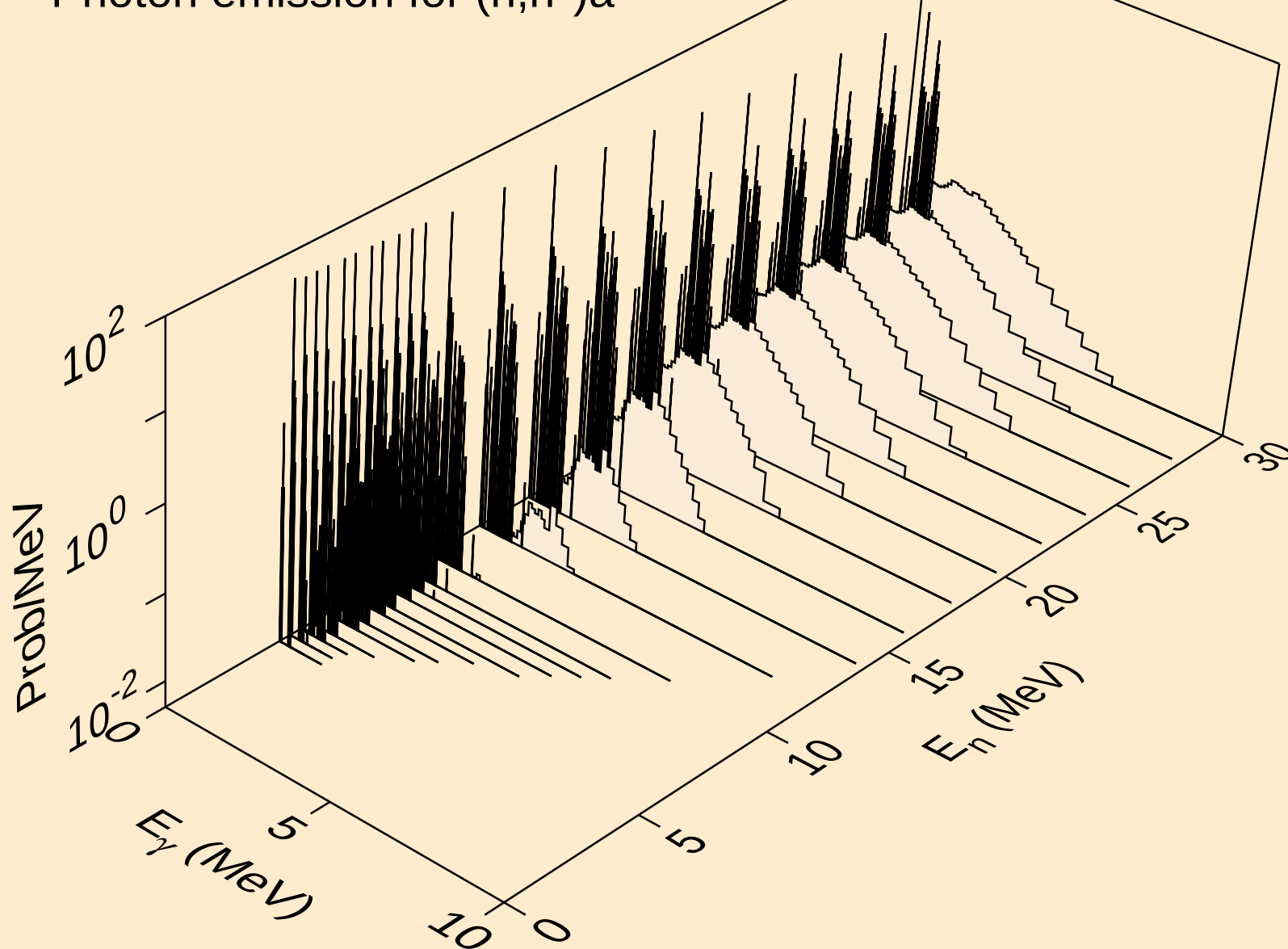
XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,2n)



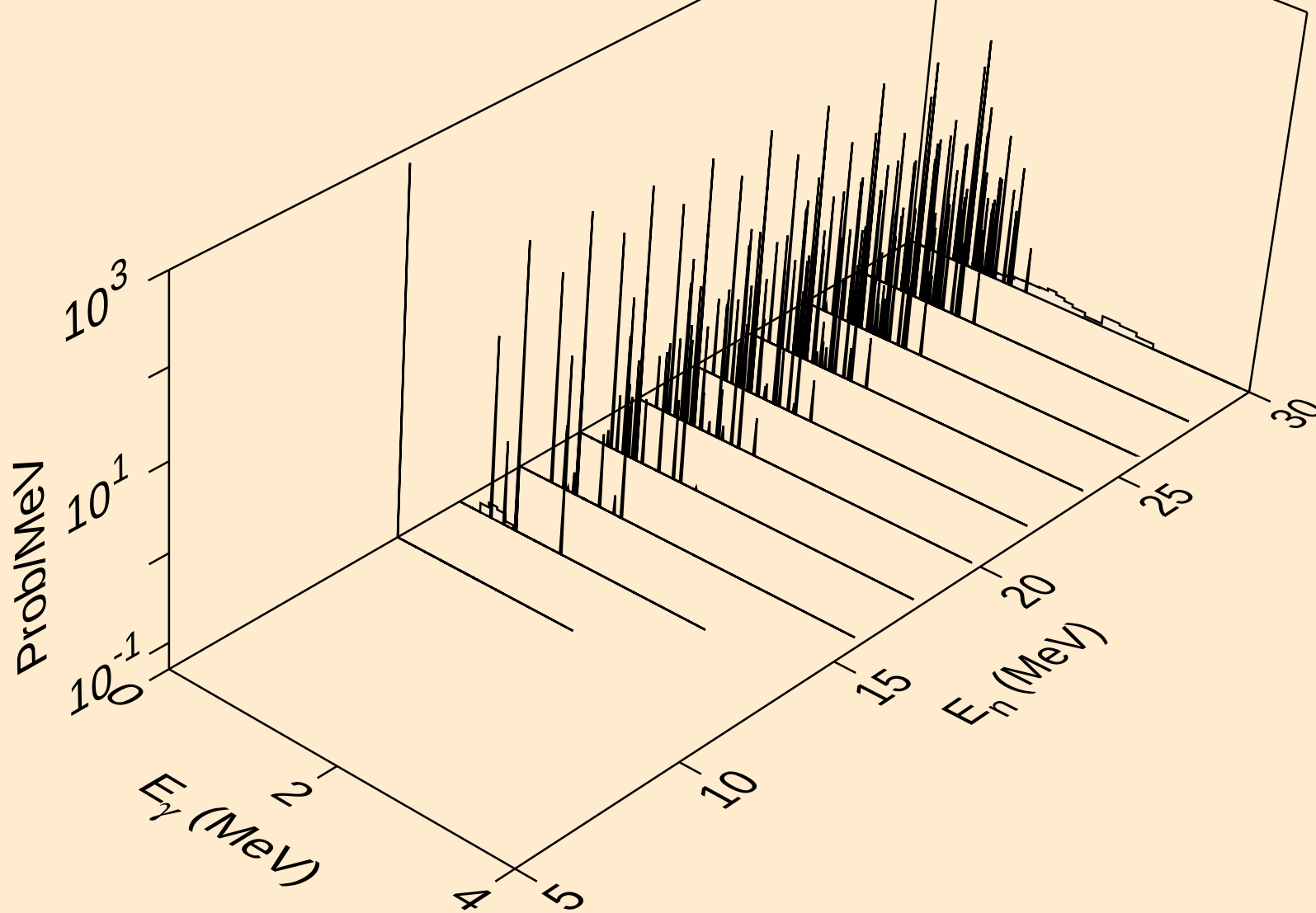
XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,3n)



XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*)a

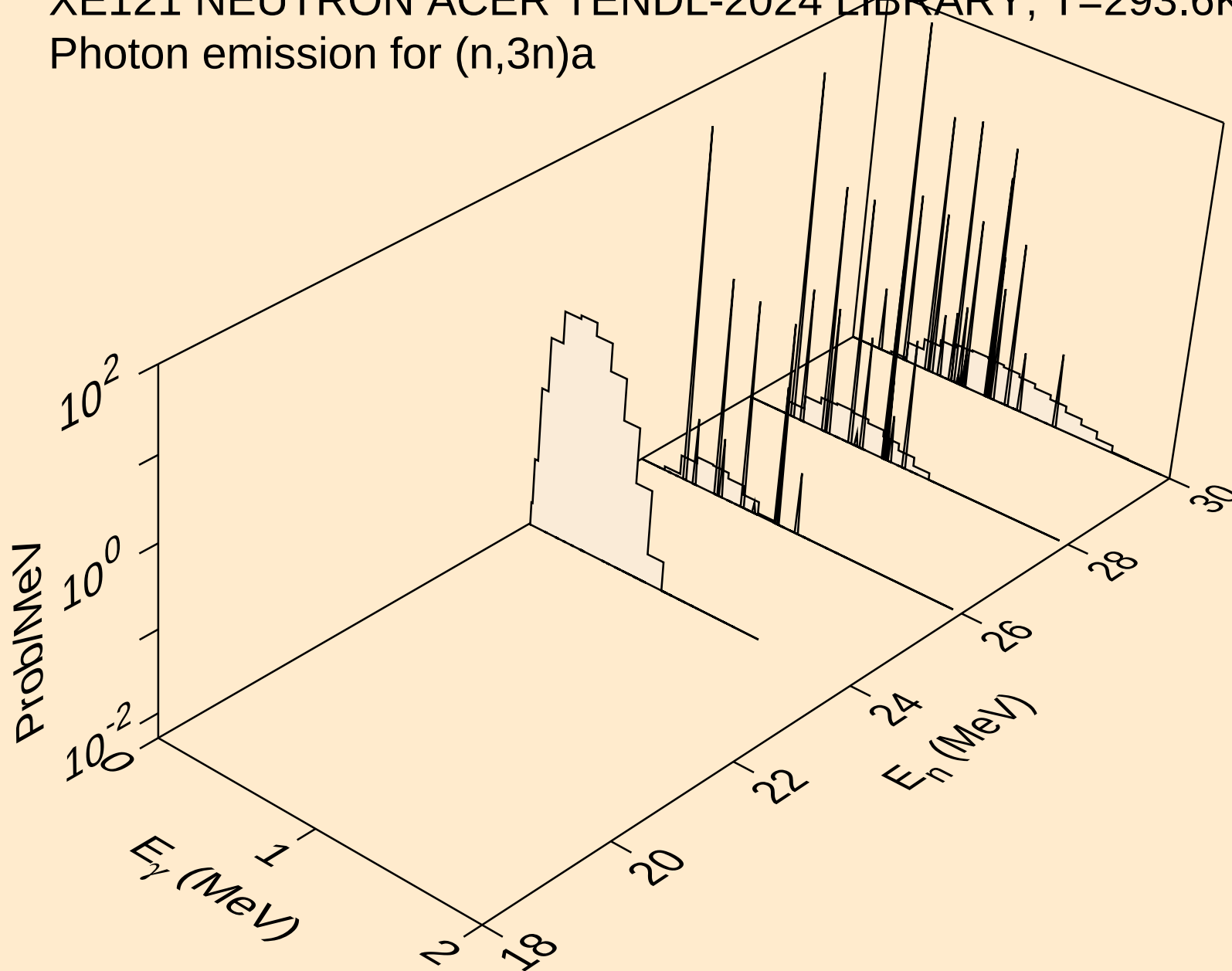


XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,2n) $\alpha$



XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

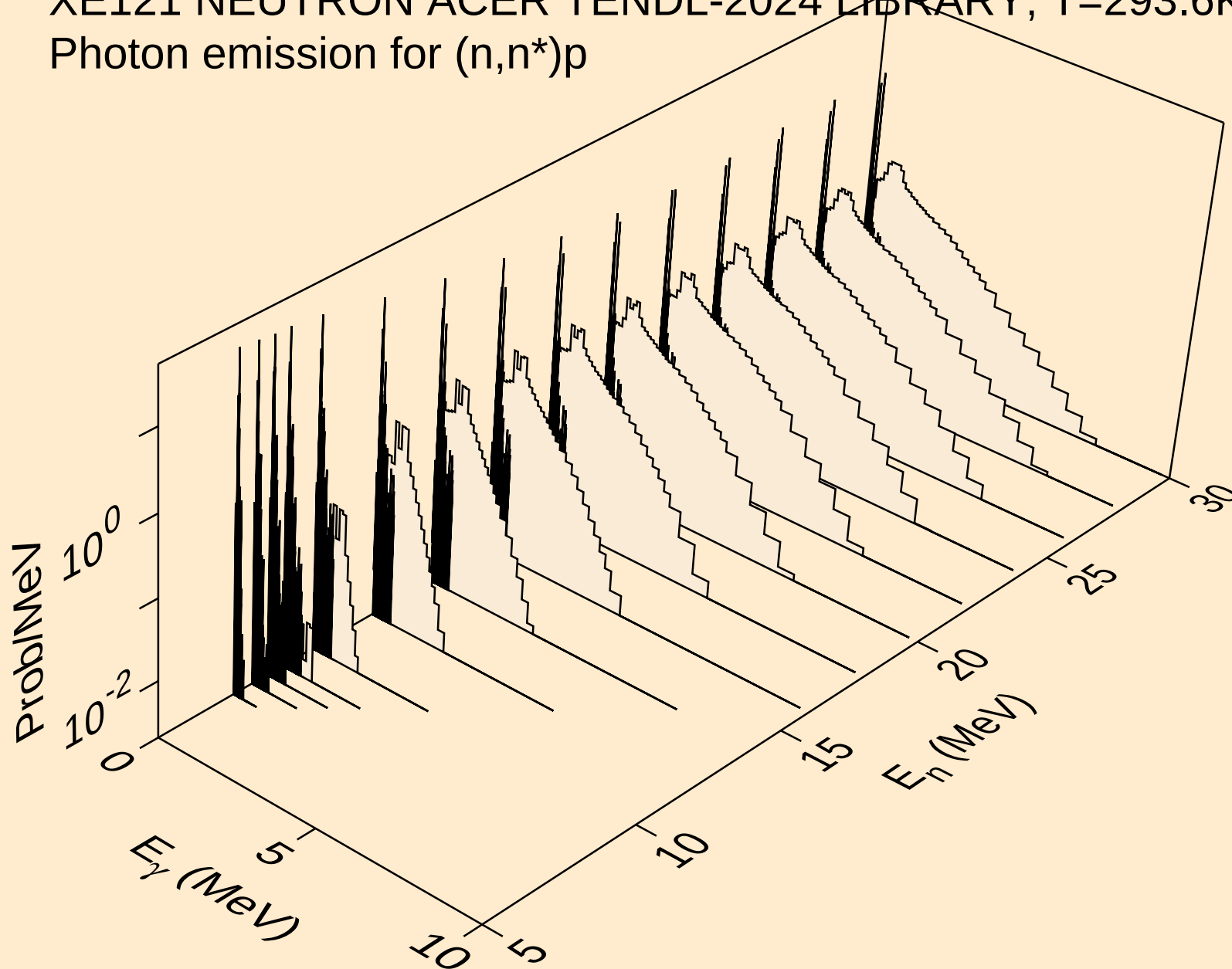
Photon emission for (n,3n)a



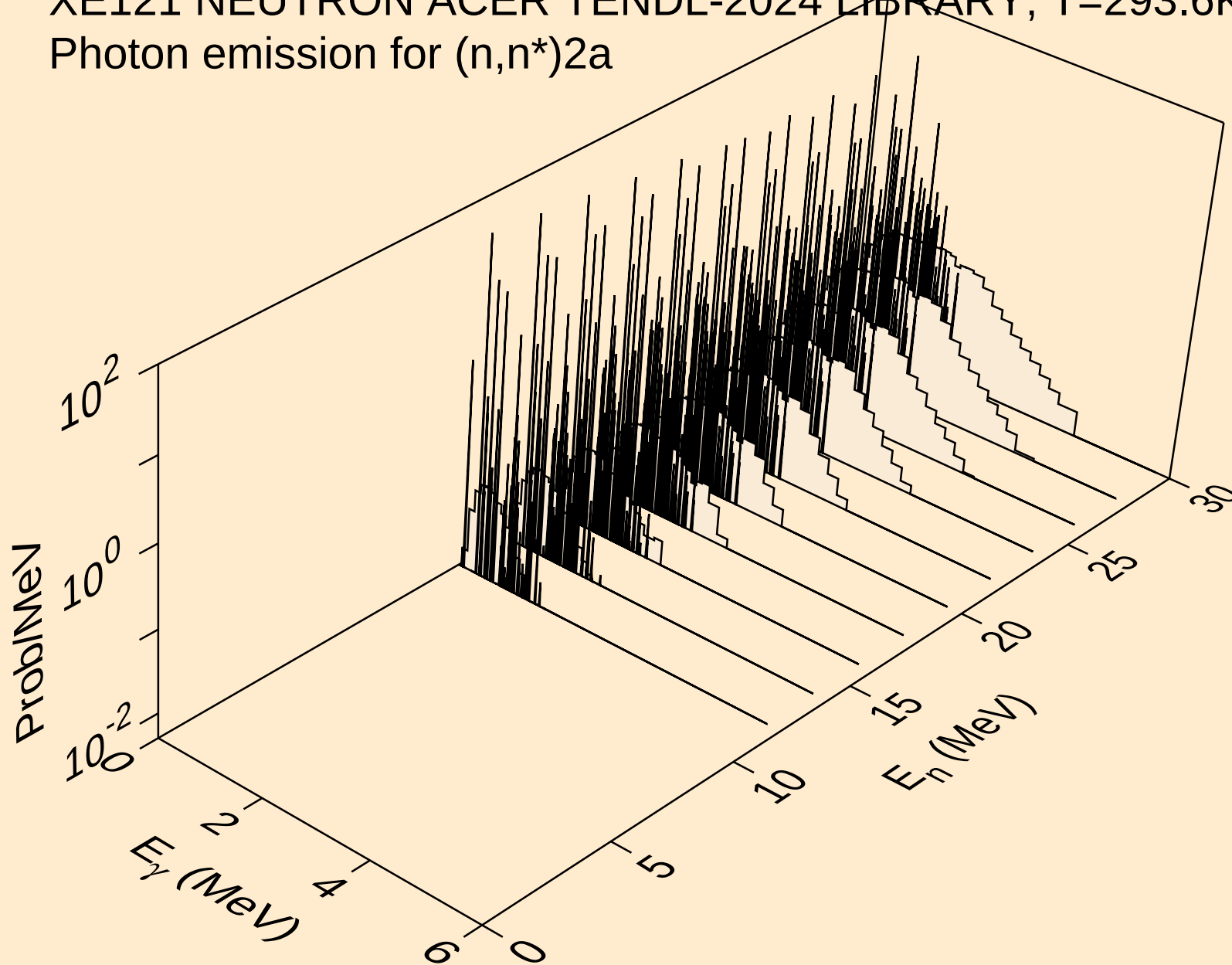


XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

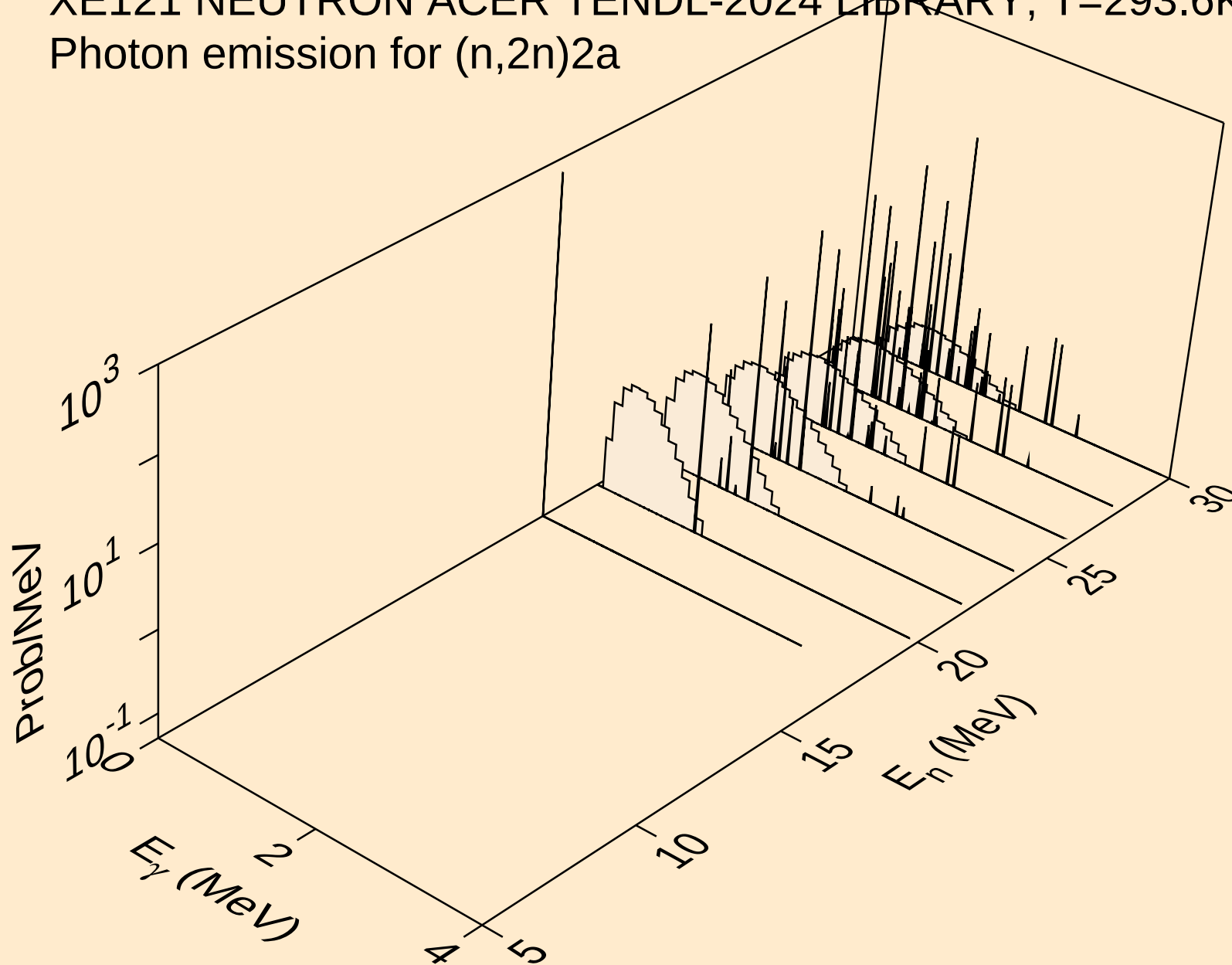
Photon emission for (n,n\*)p



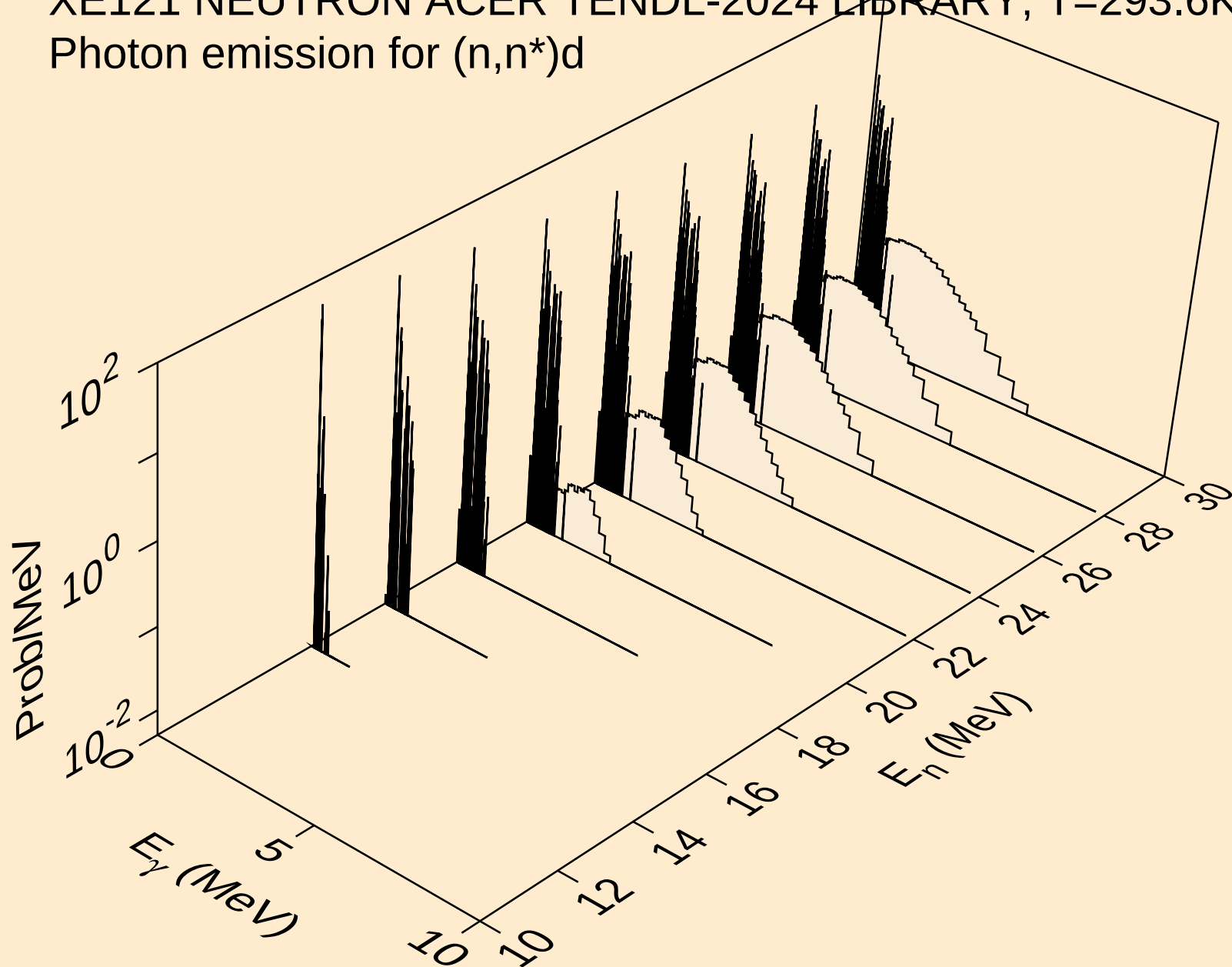
XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*)2a



XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,2n)2a

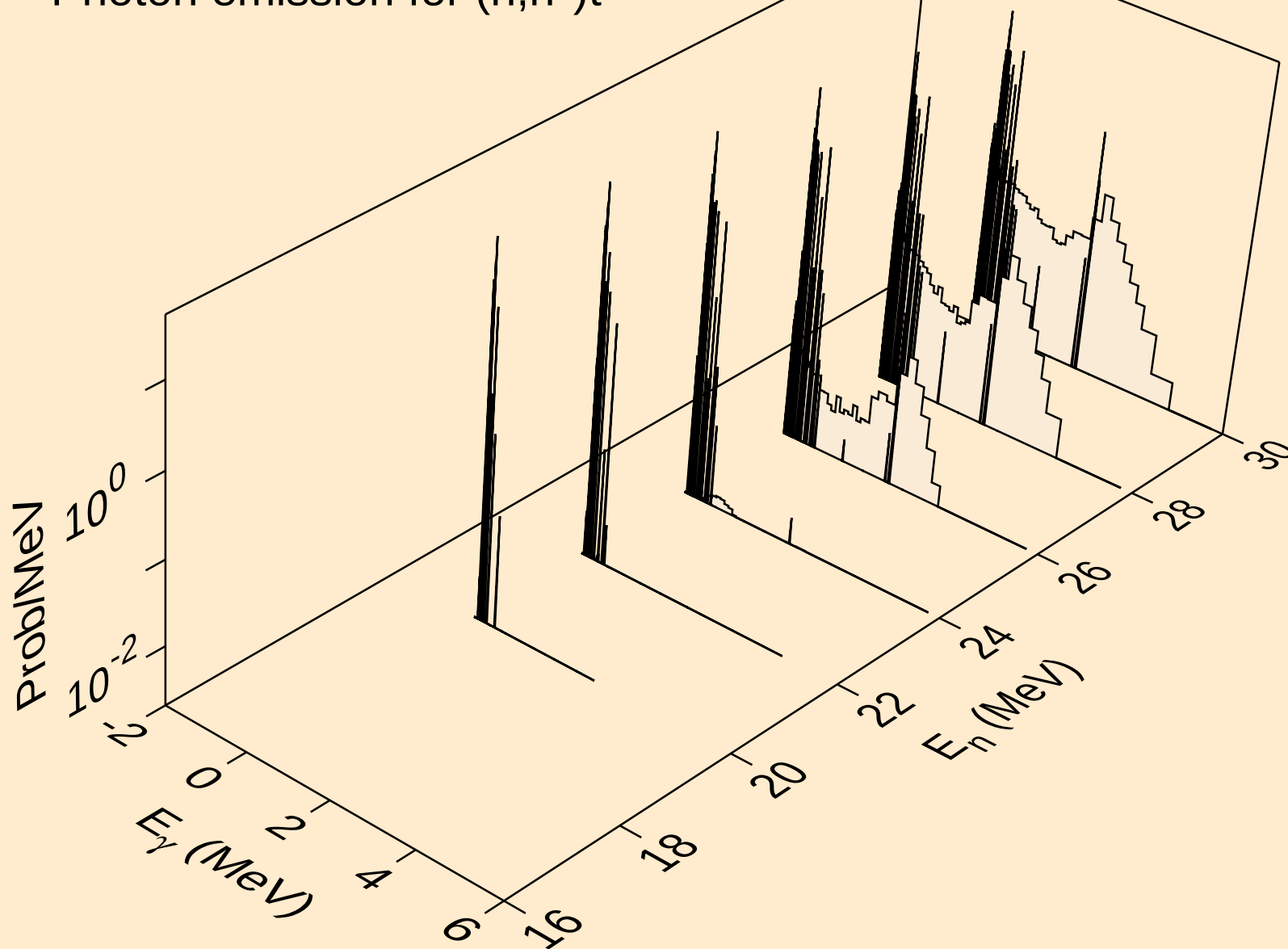


XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*)d

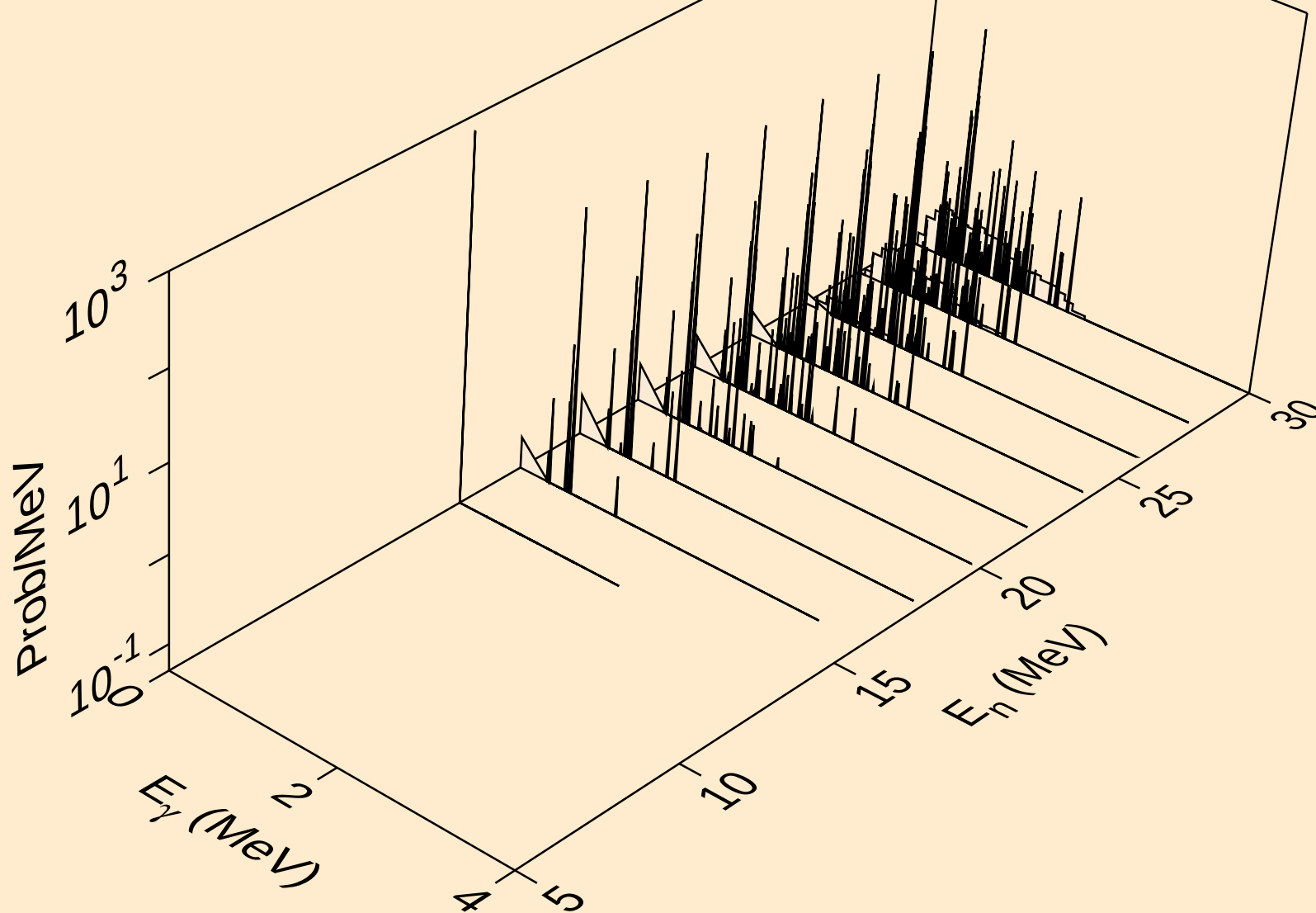


XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

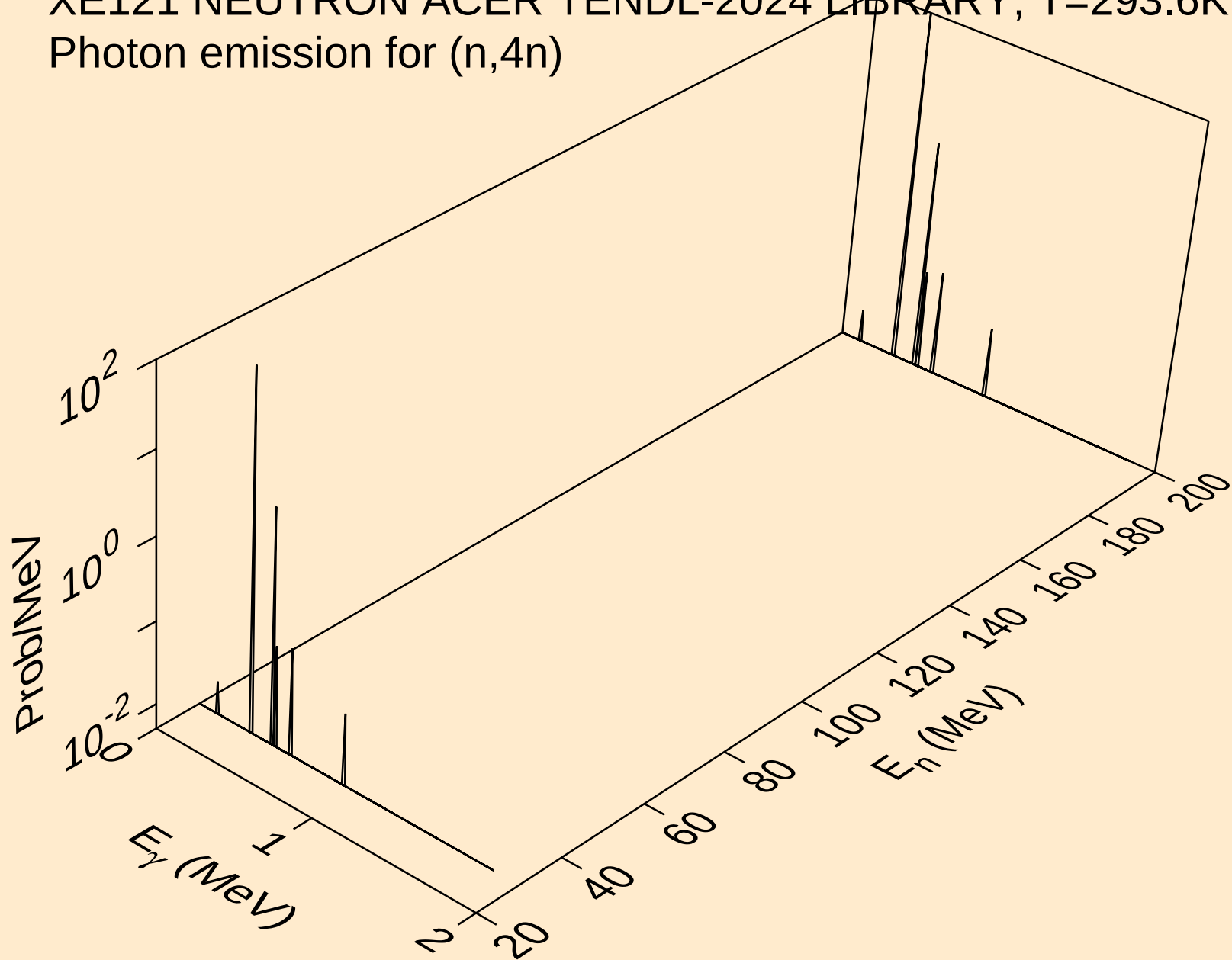
Photon emission for (n,n\*)t



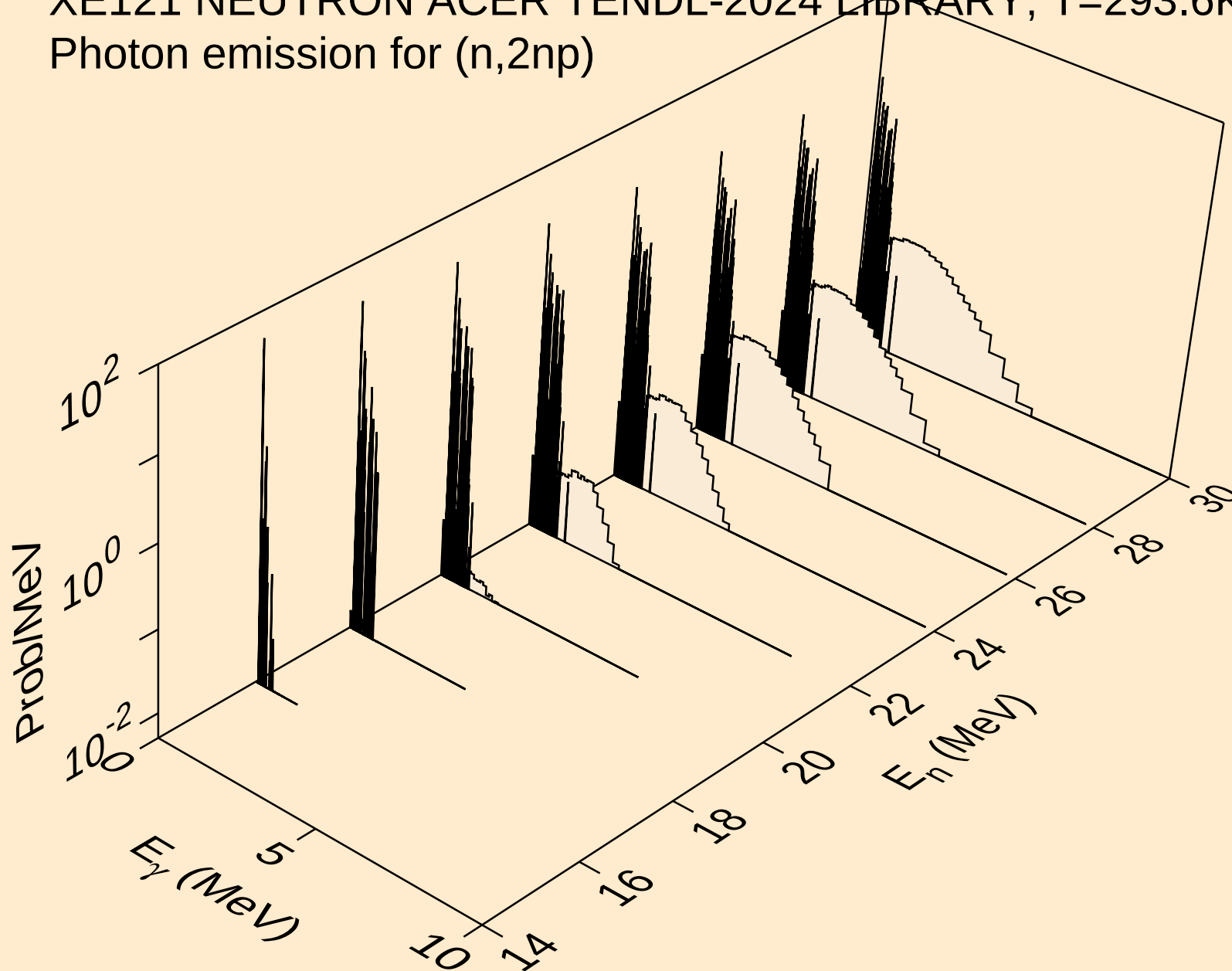
XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*)he3



XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,4n)

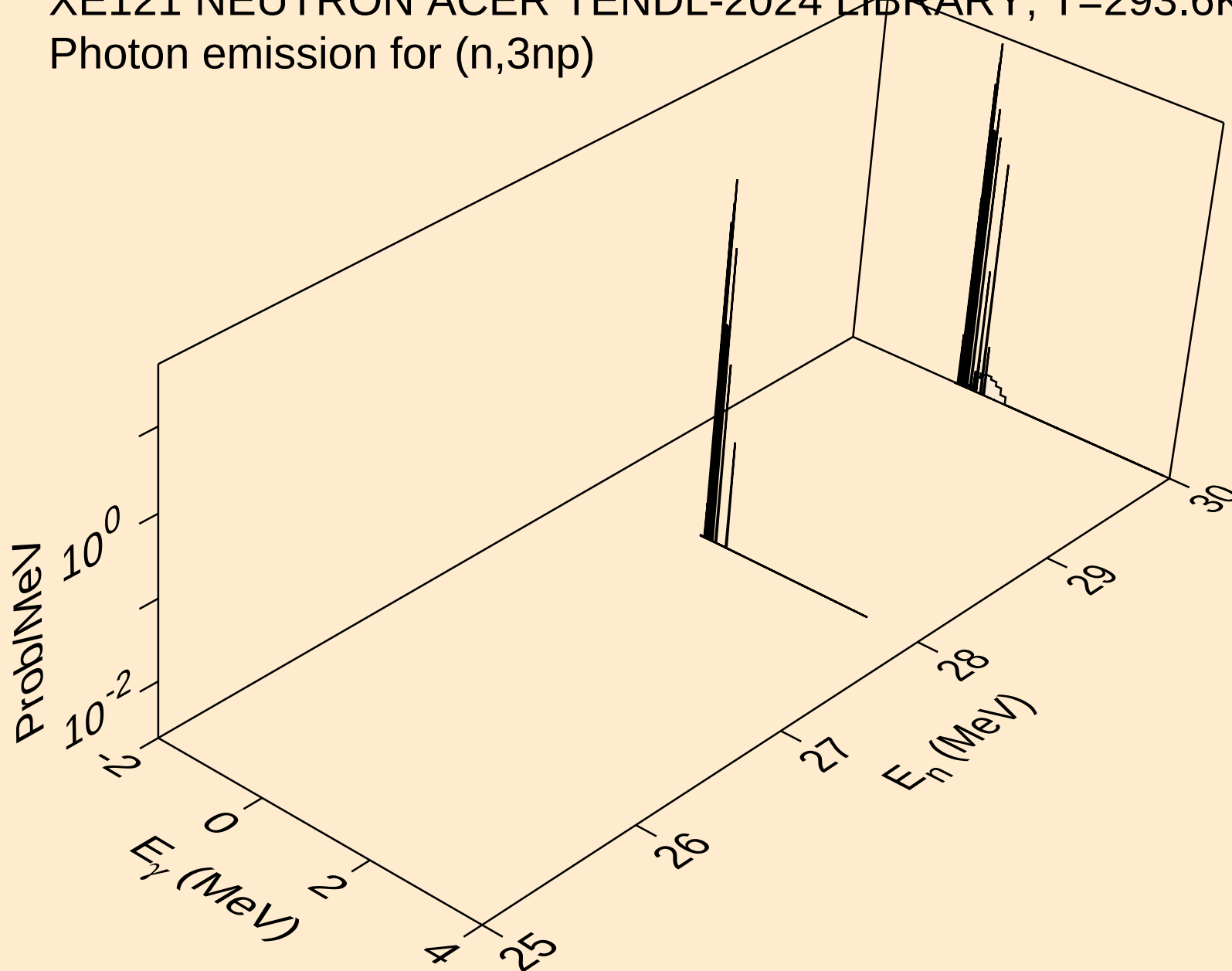


XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,2np)

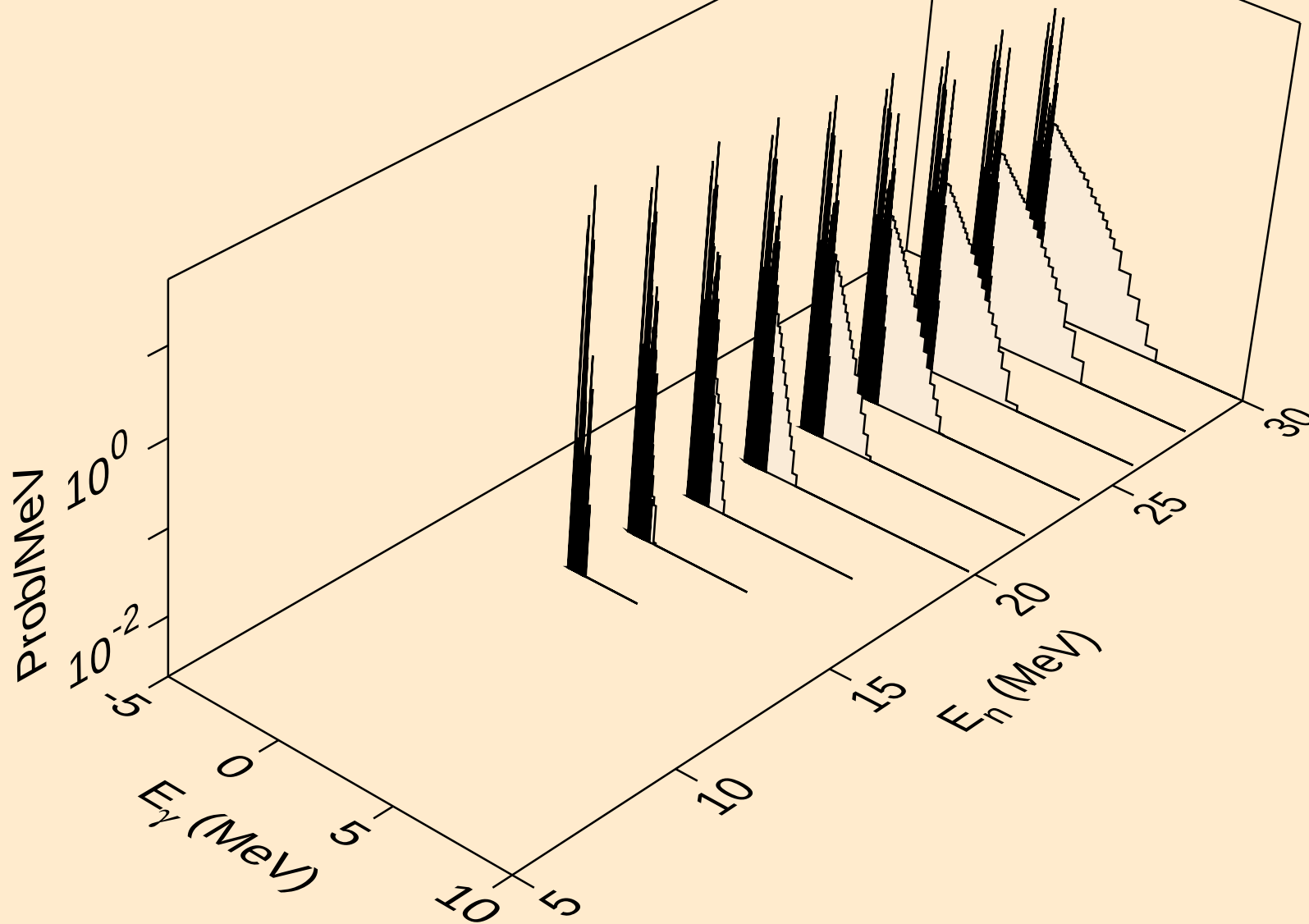




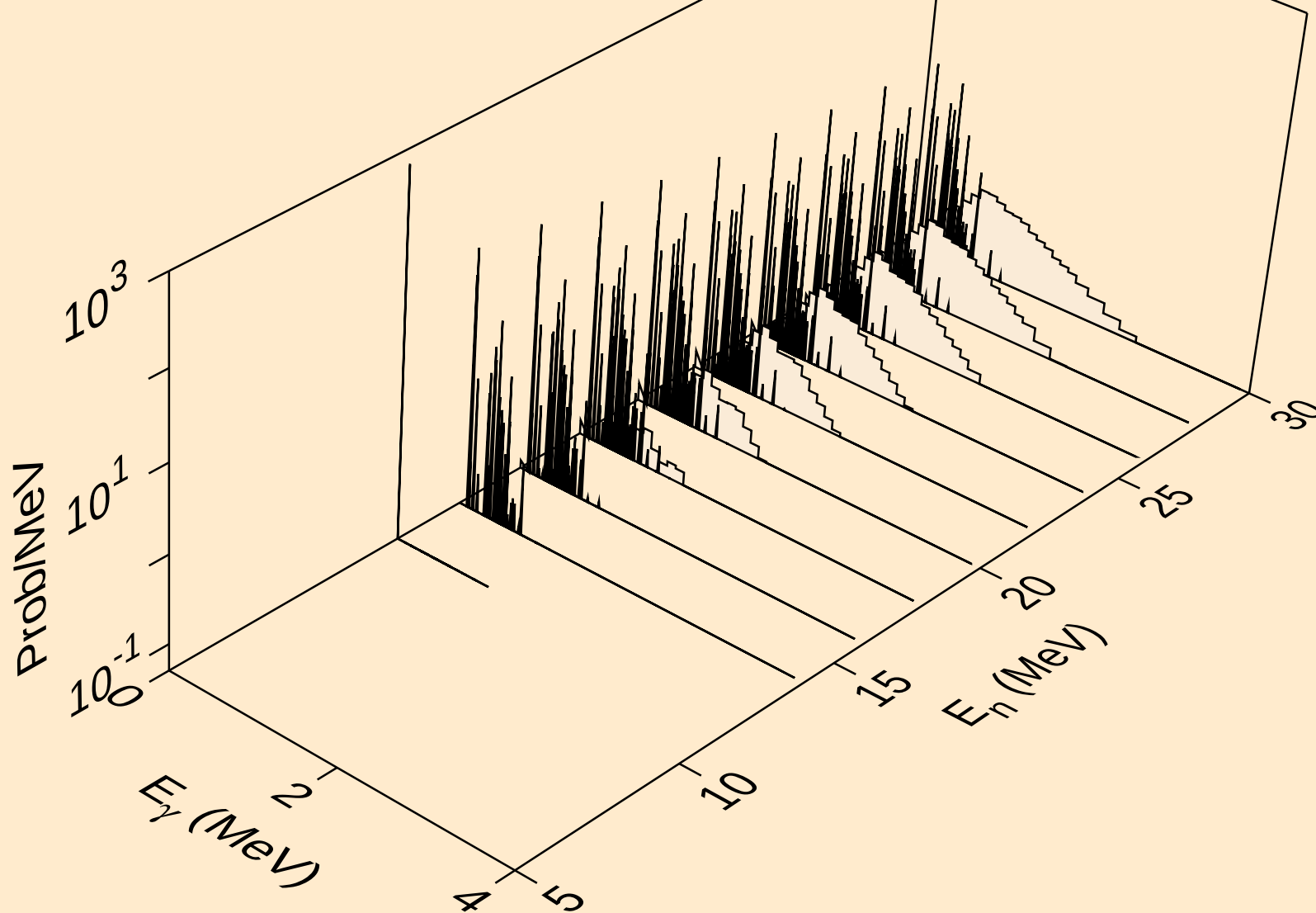
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Photon emission for (n,3np)



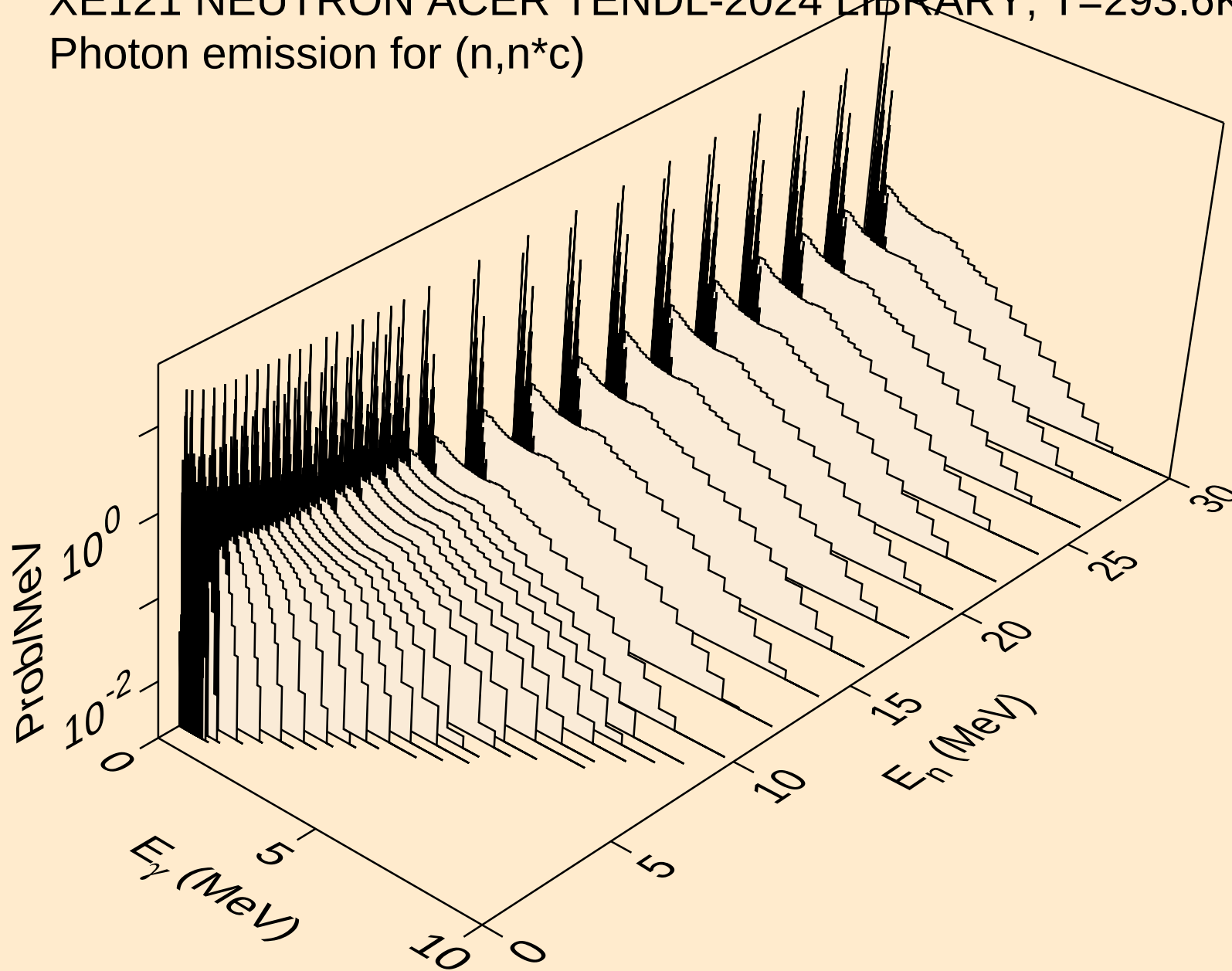
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Photon emission for (n,n2p)



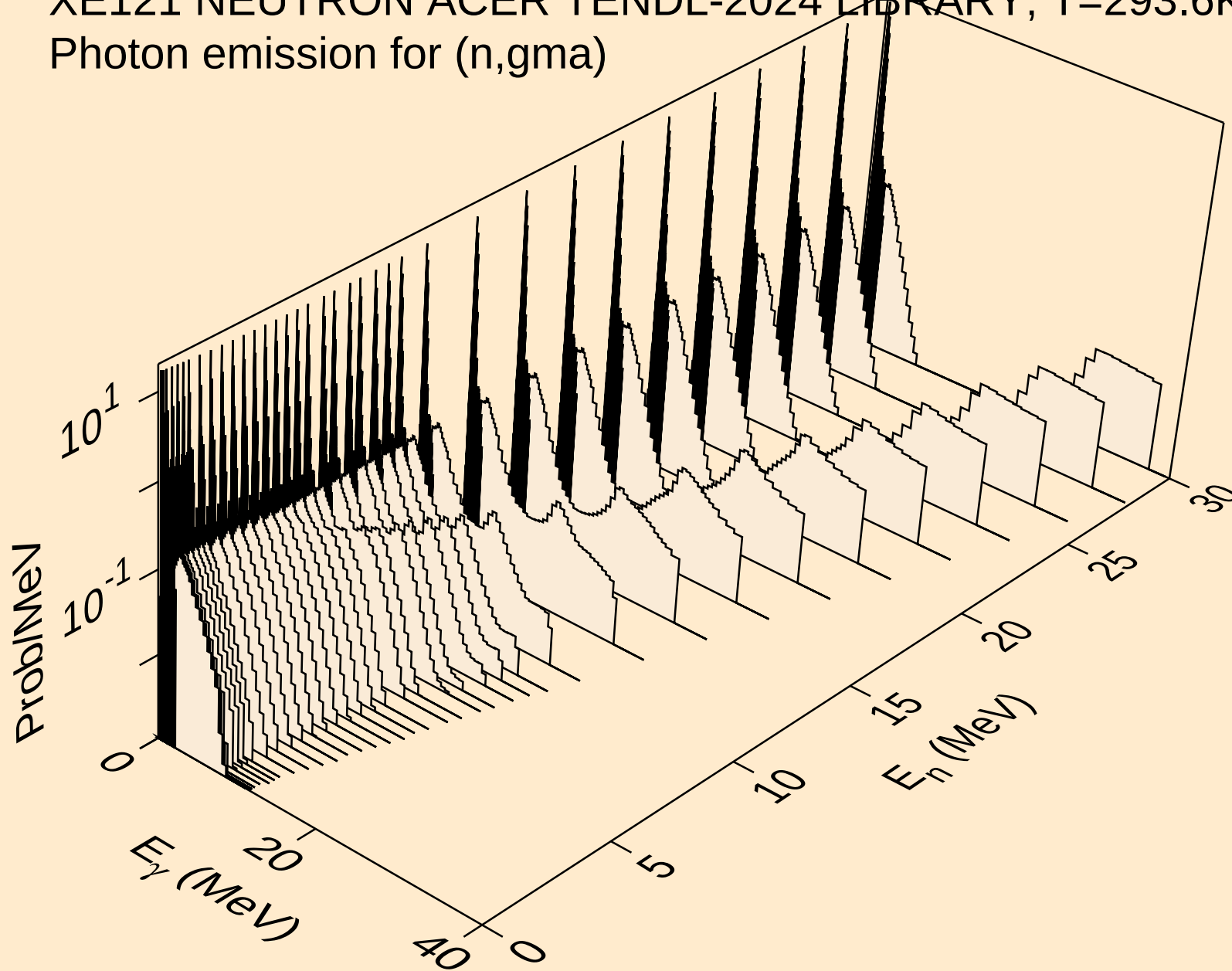
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Photon emission for (n,npa)



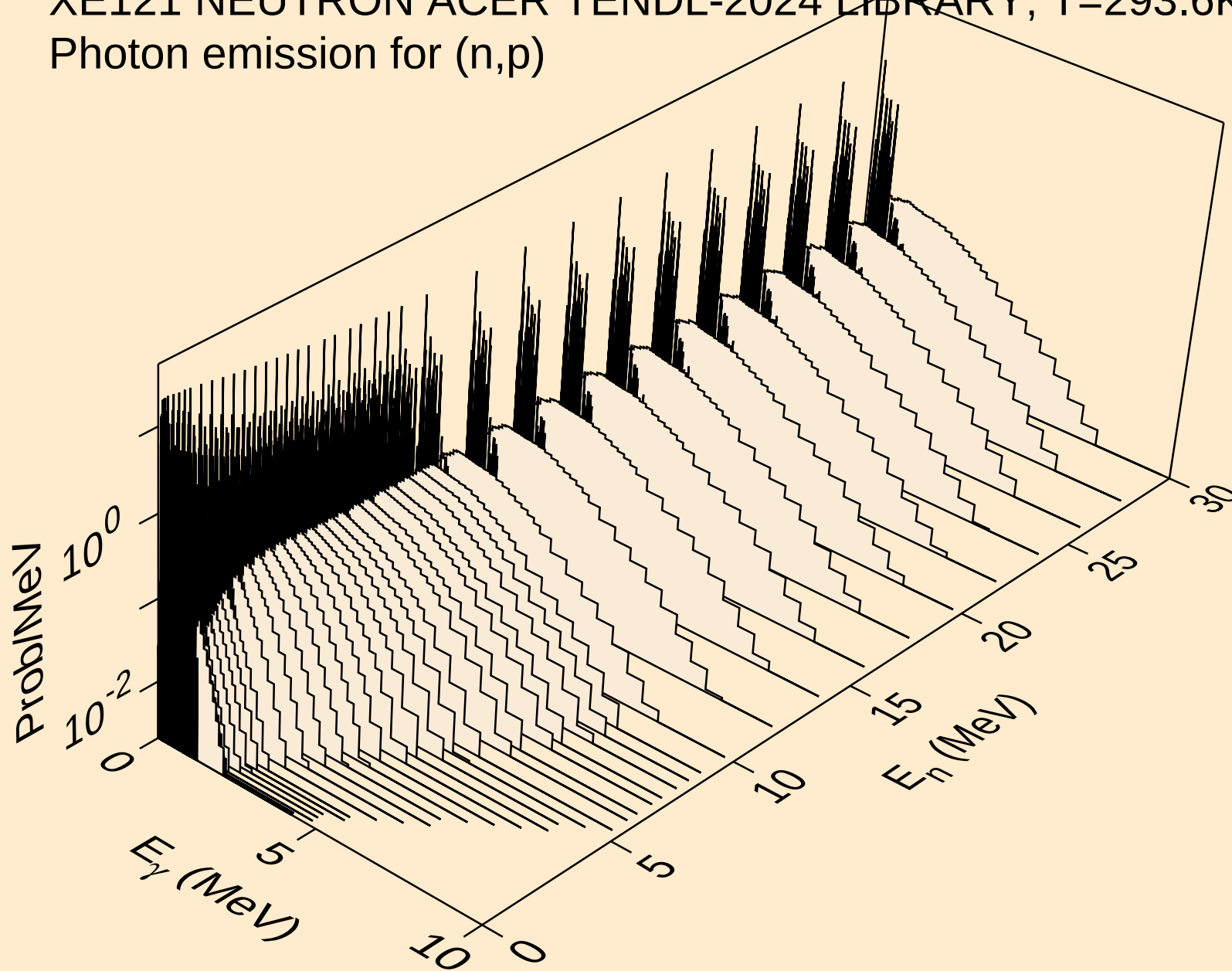
XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*c)



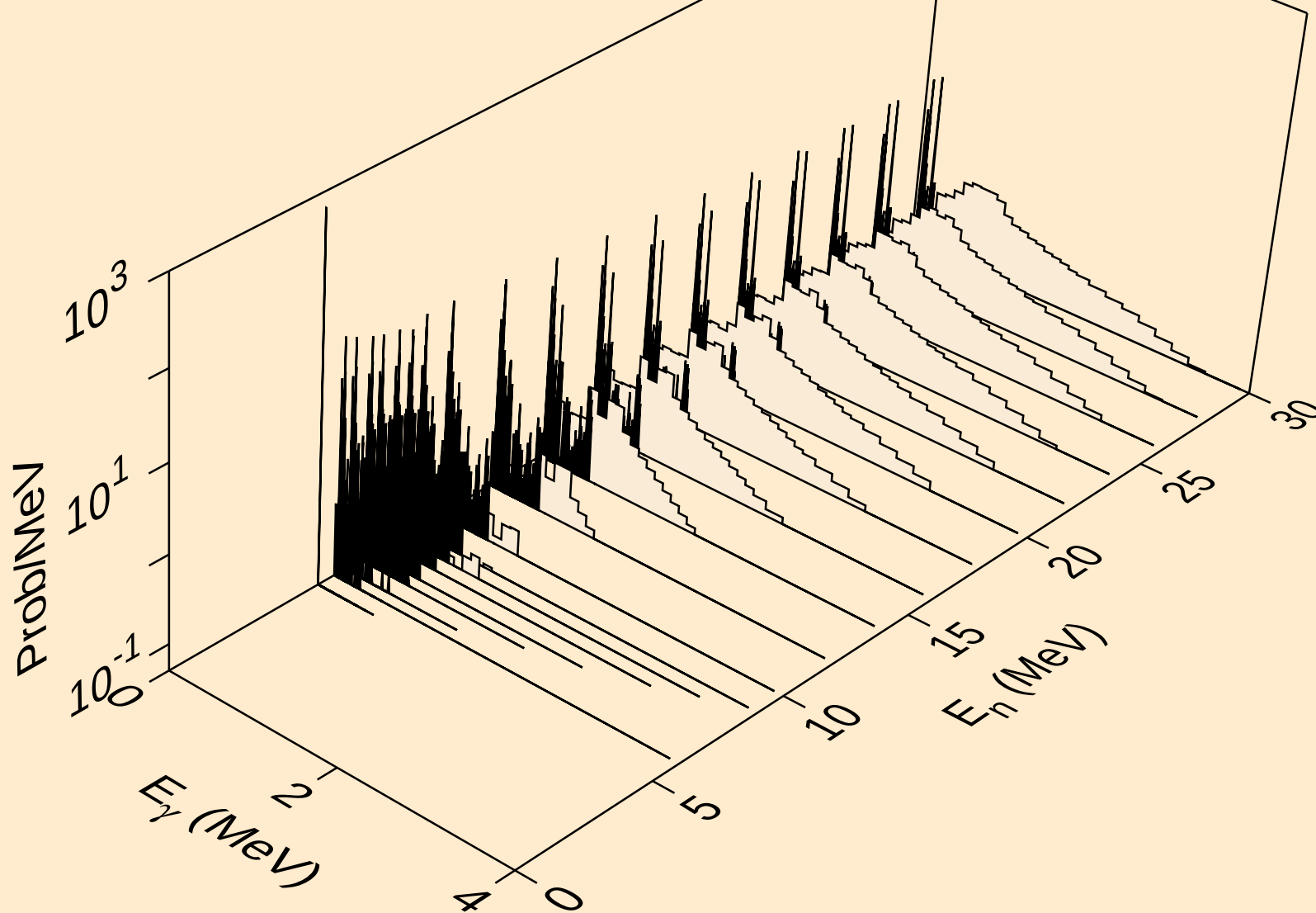
XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,gma)



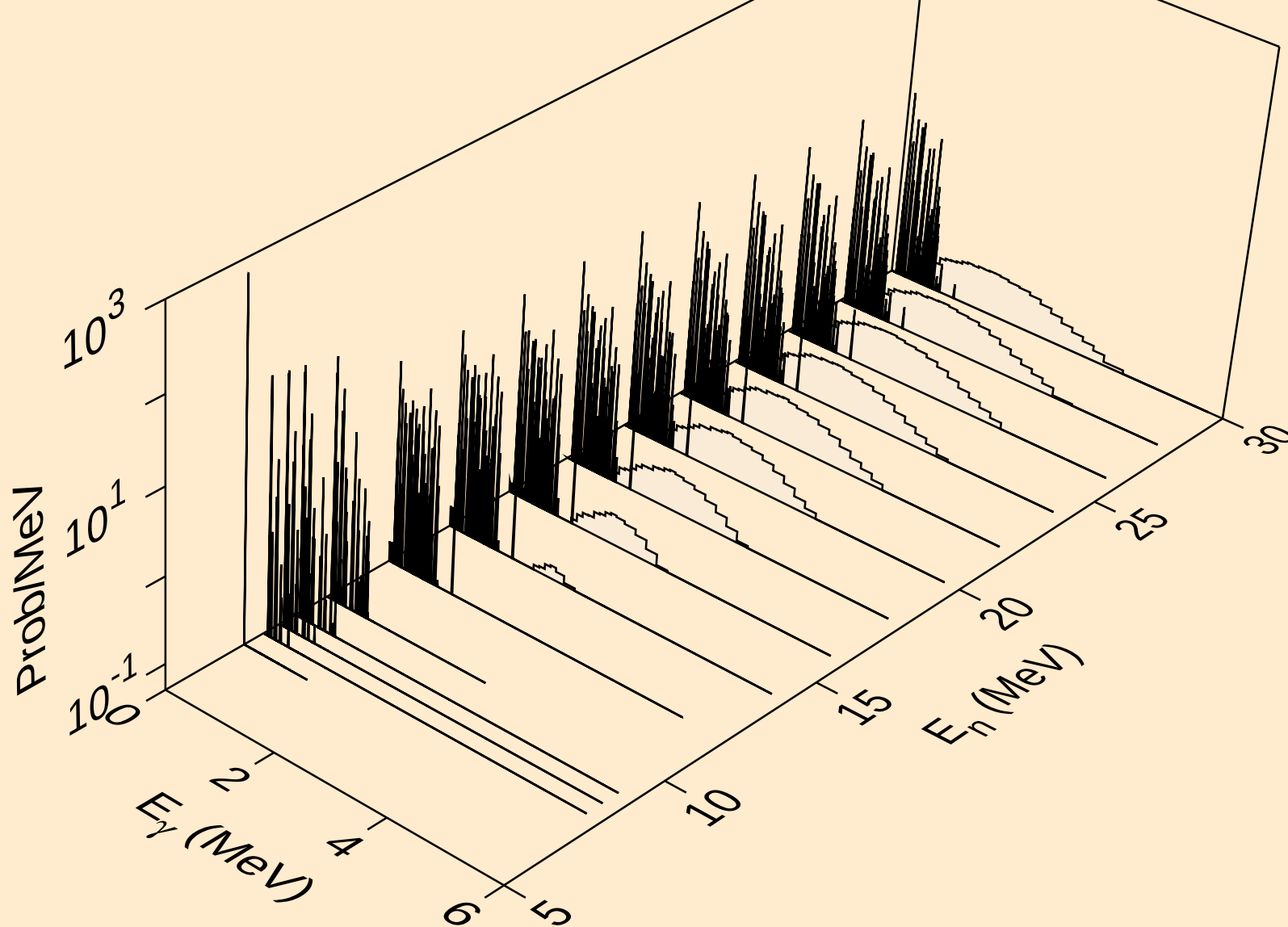
XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,p)



XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,d)

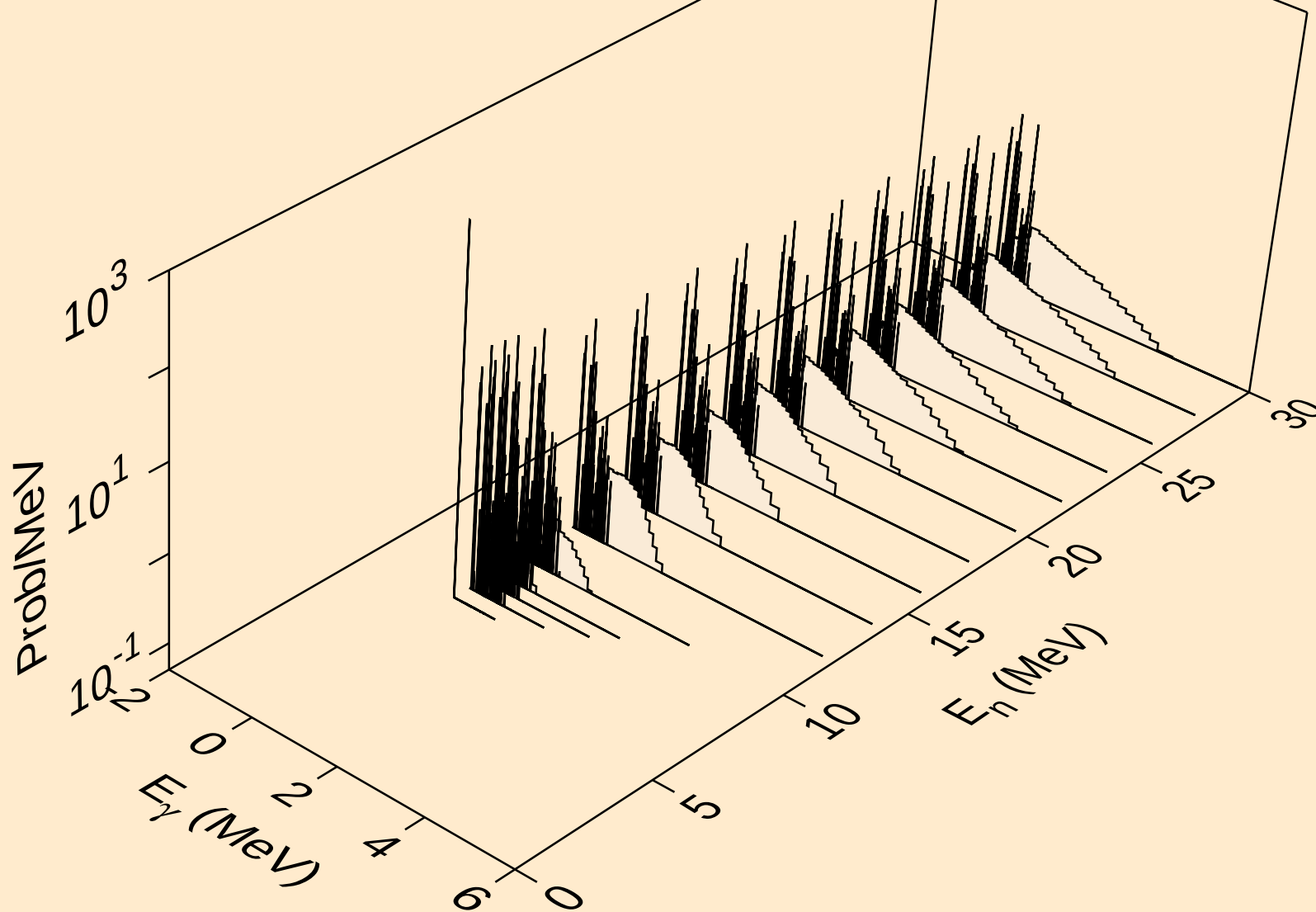


XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,t)

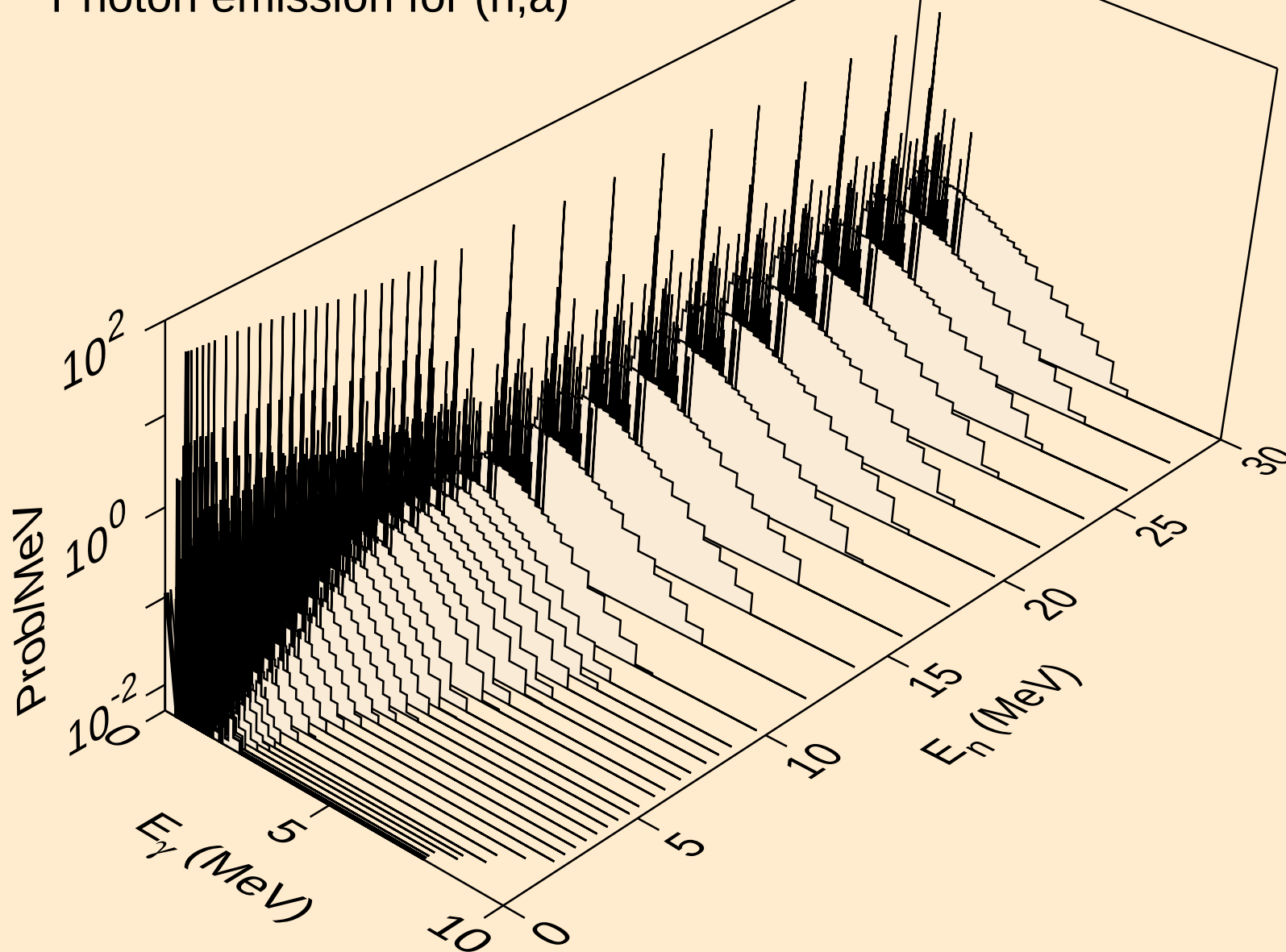




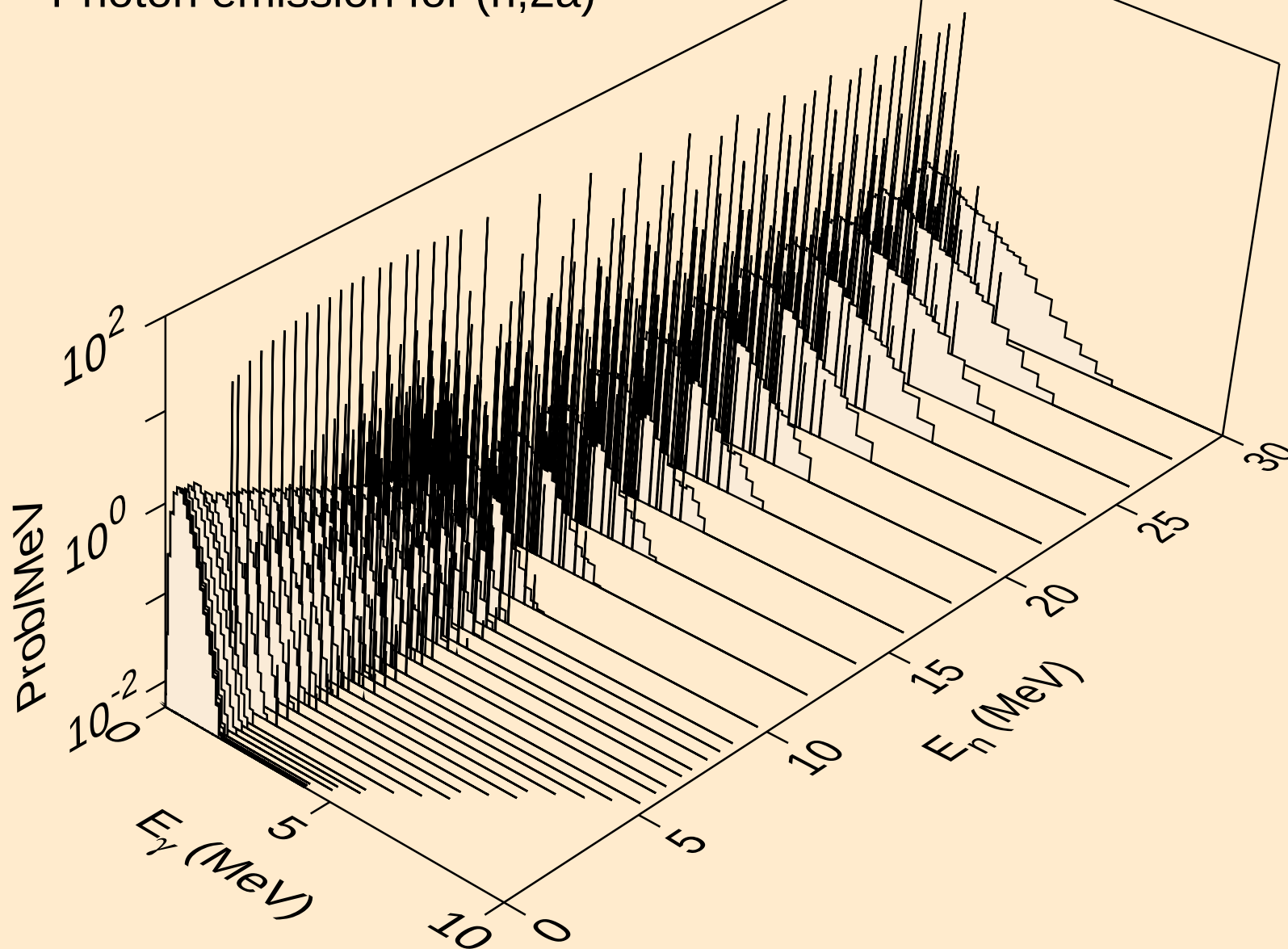
XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,he3)



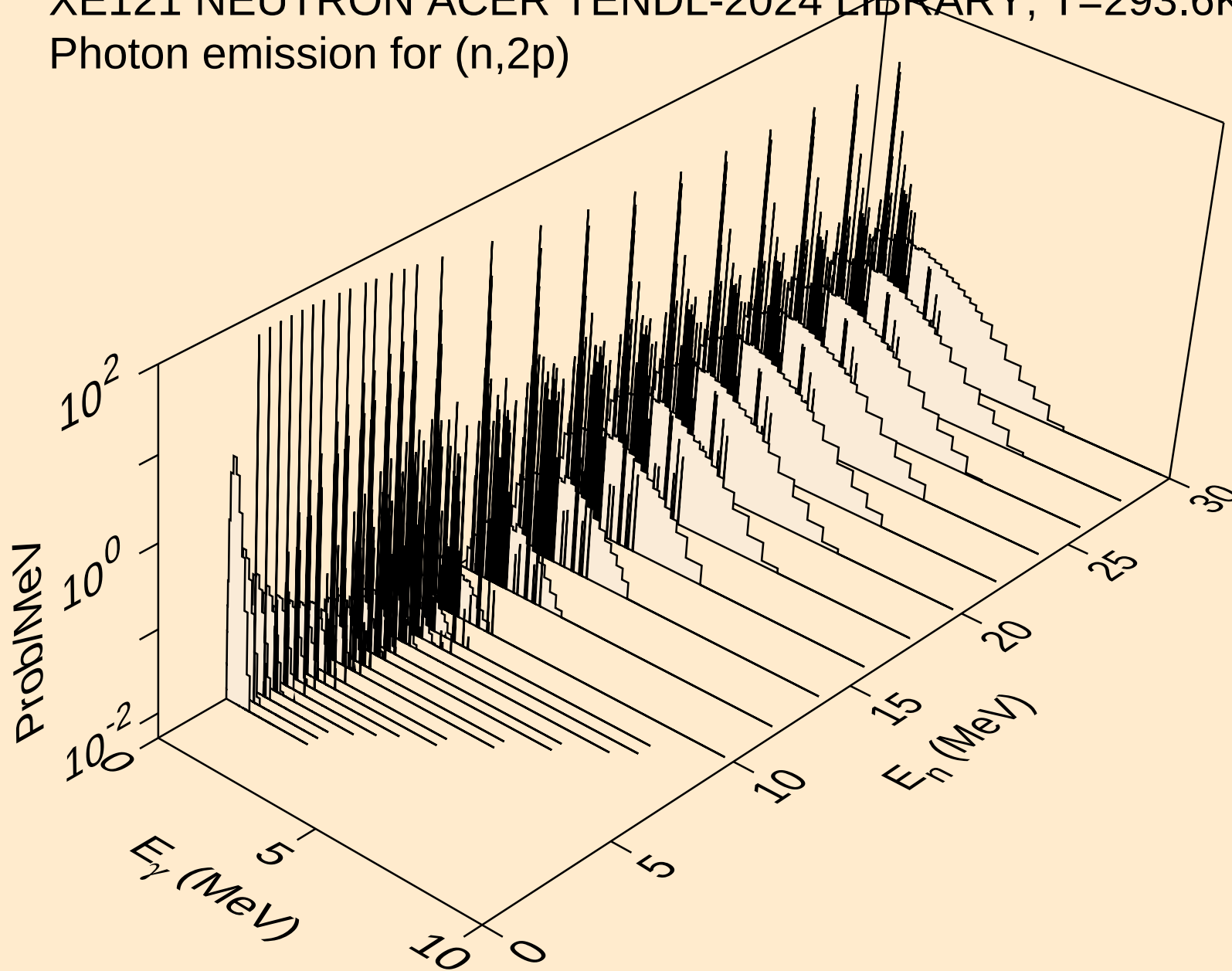
XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,a)



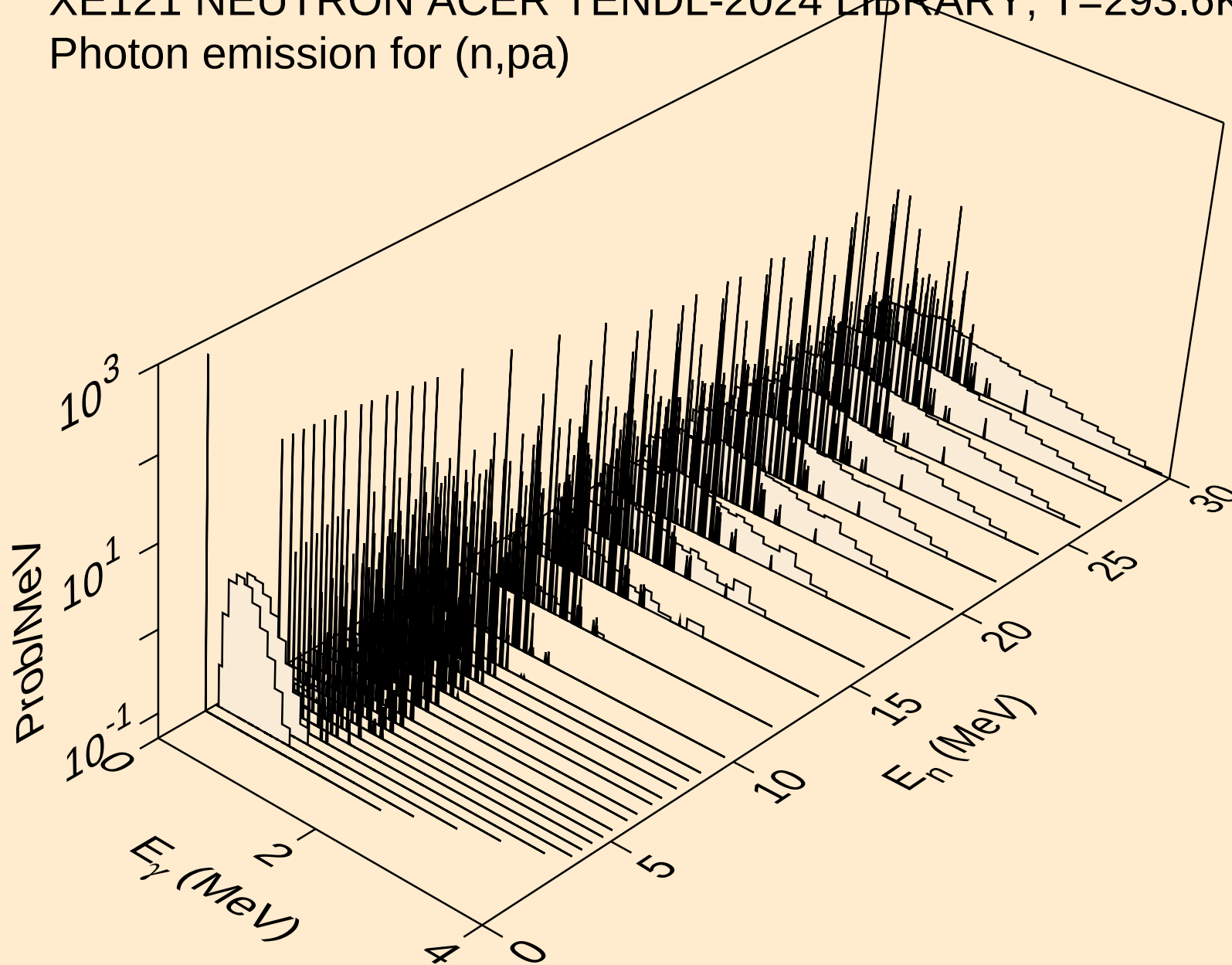
XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,2a)



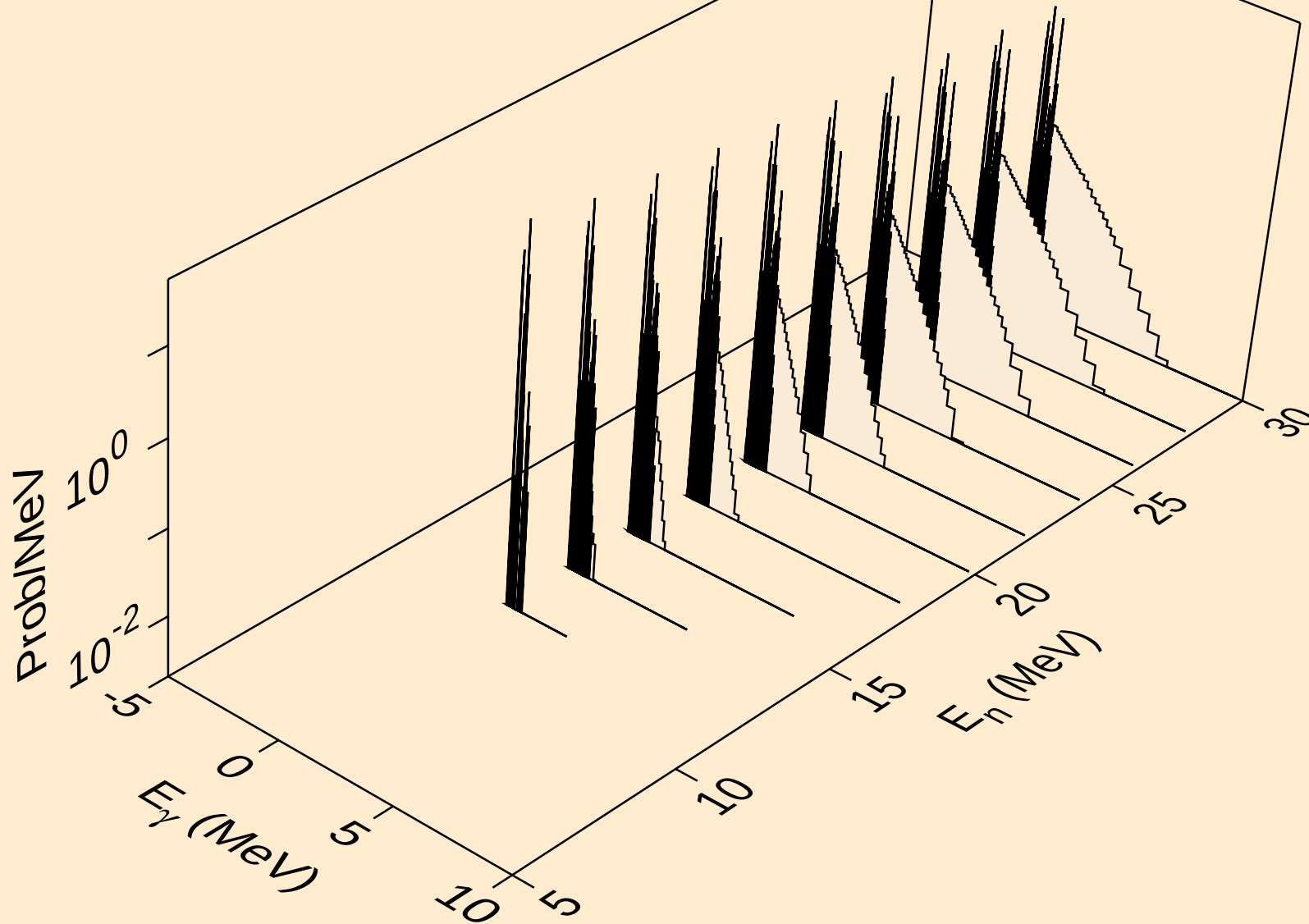
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Photon emission for (n,2p)



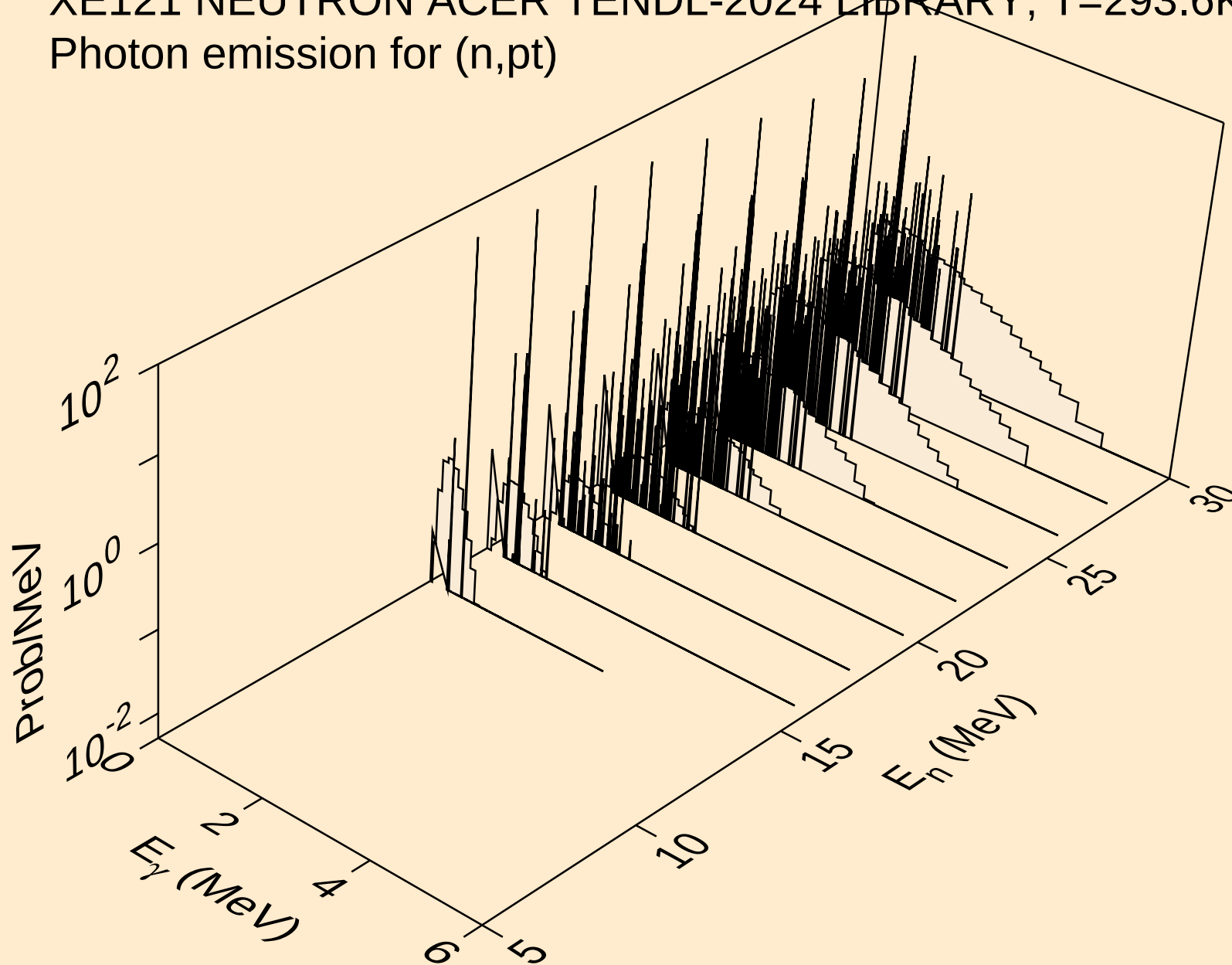
XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,p $\alpha$ )



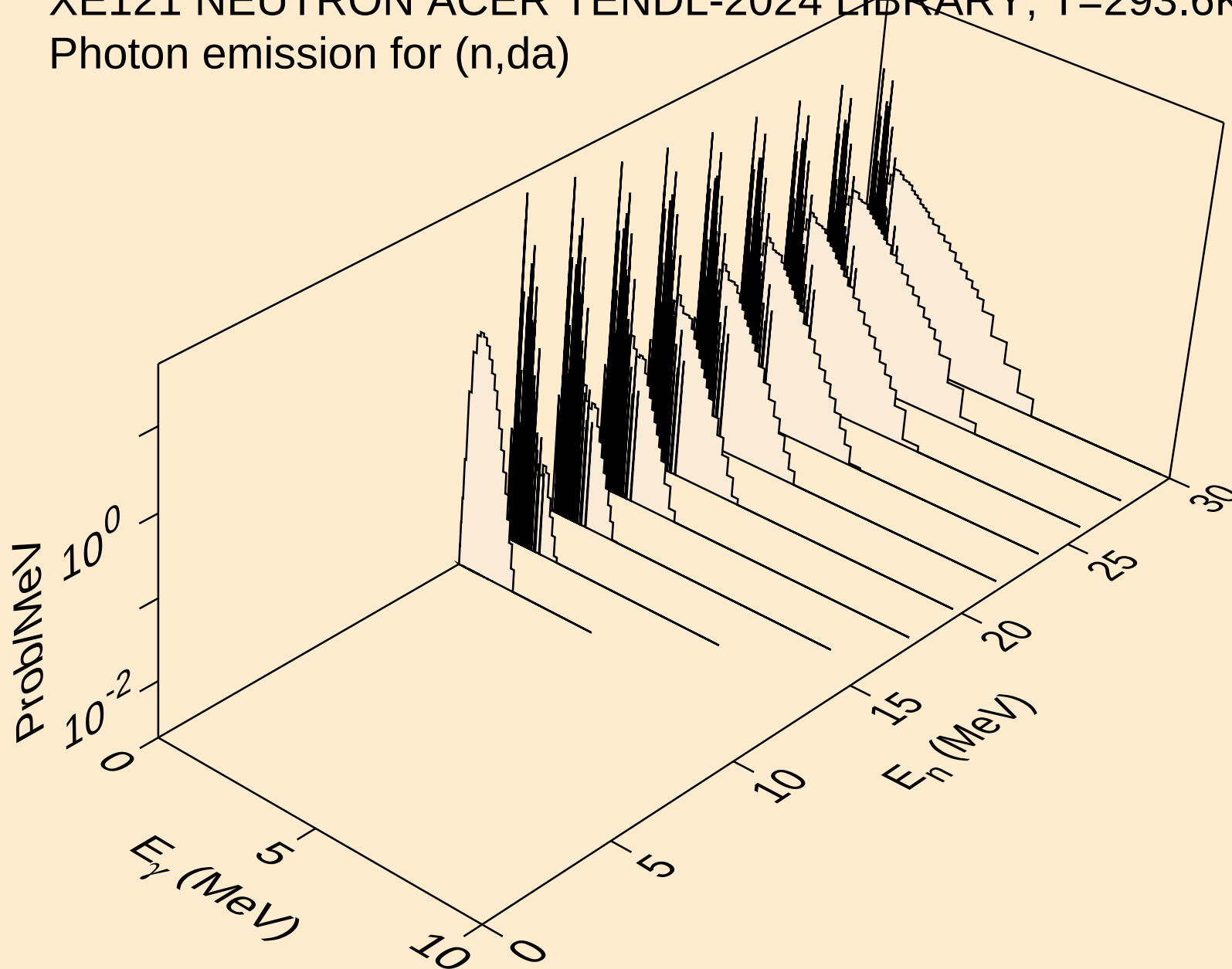
XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,pd)



XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,pt)

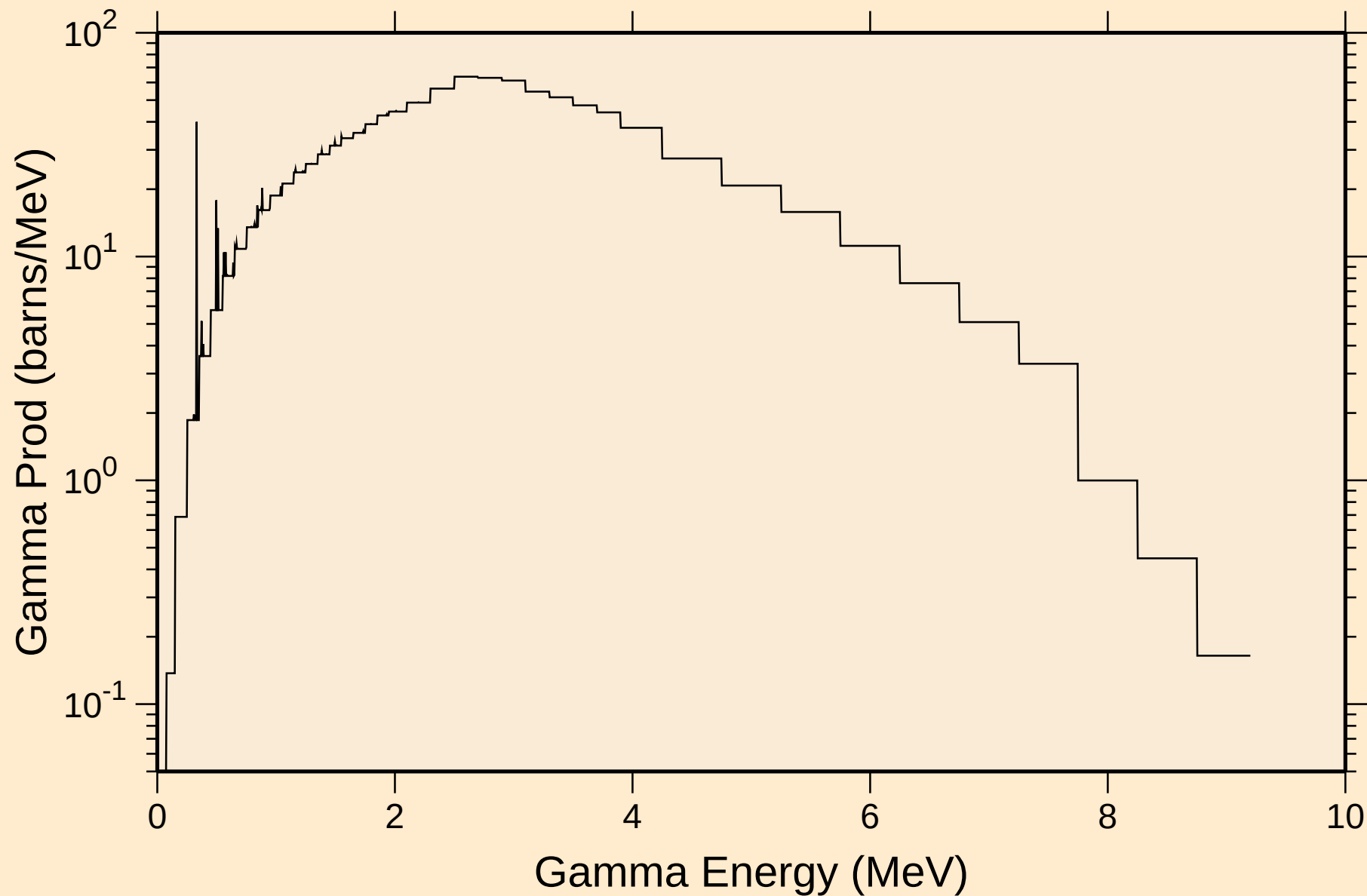


XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,da)

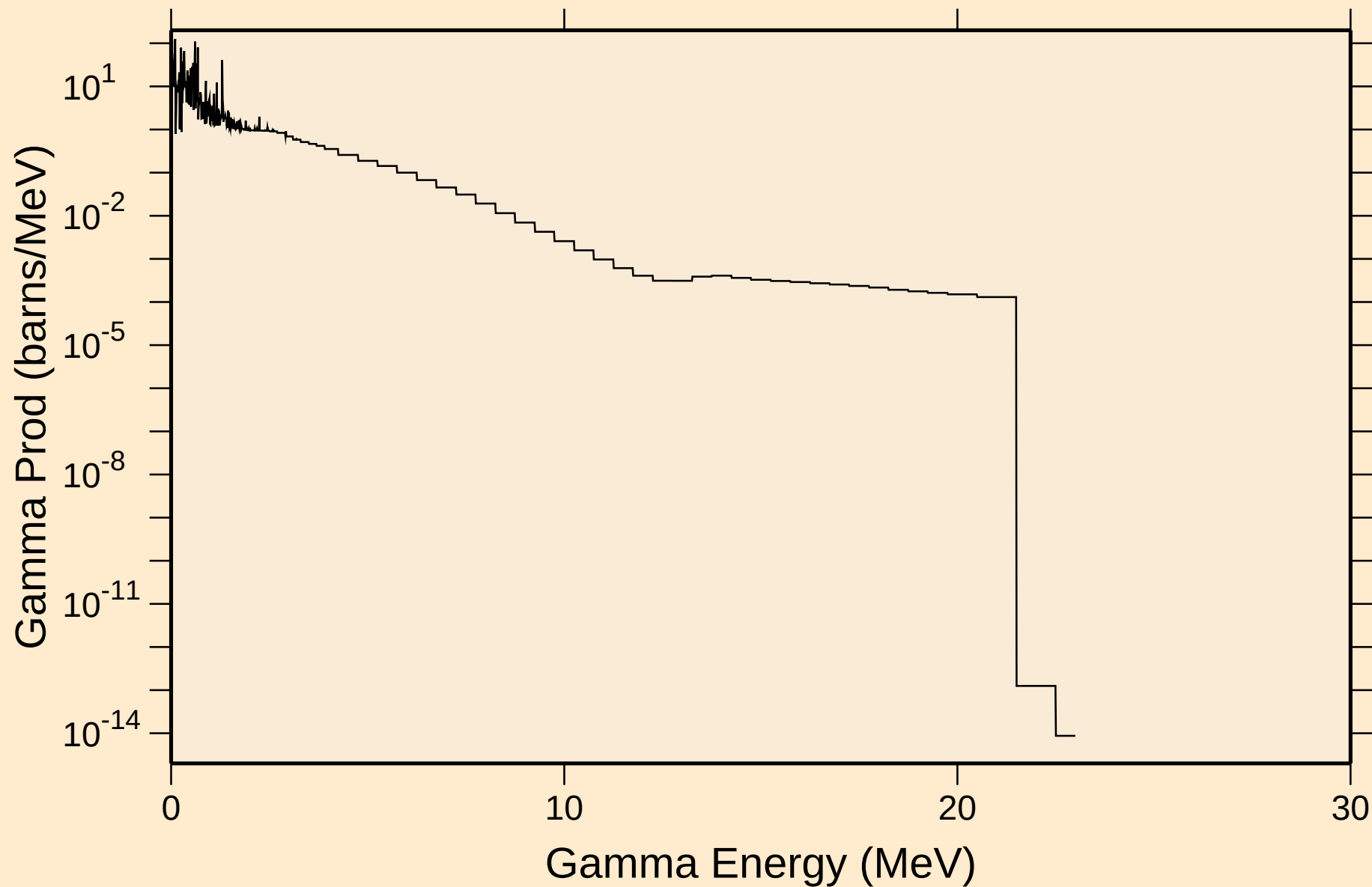




XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
thermal capture photon spectrum

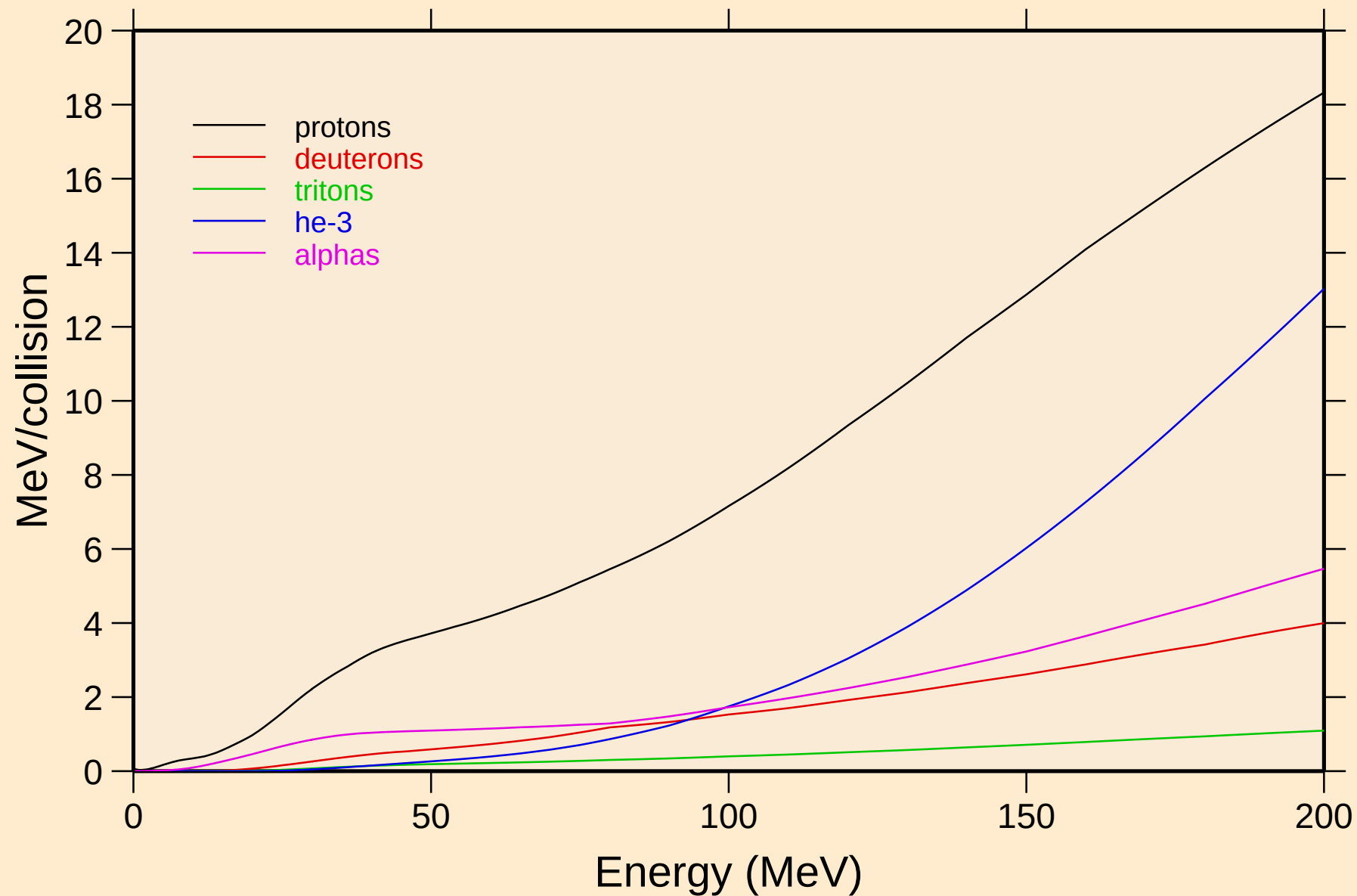


XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
14 MeV photon spectrum

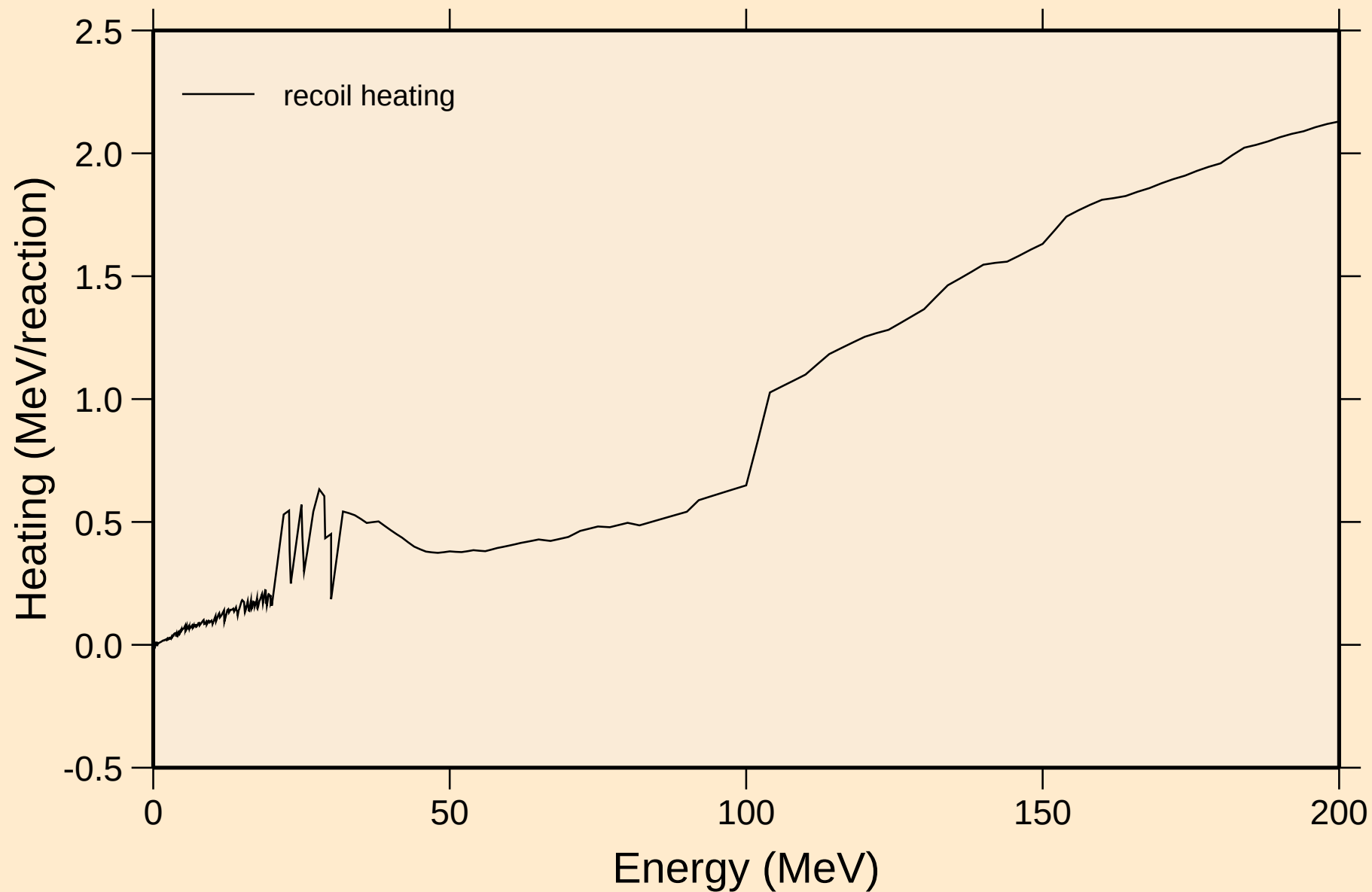


# XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

## Particle heating contributions

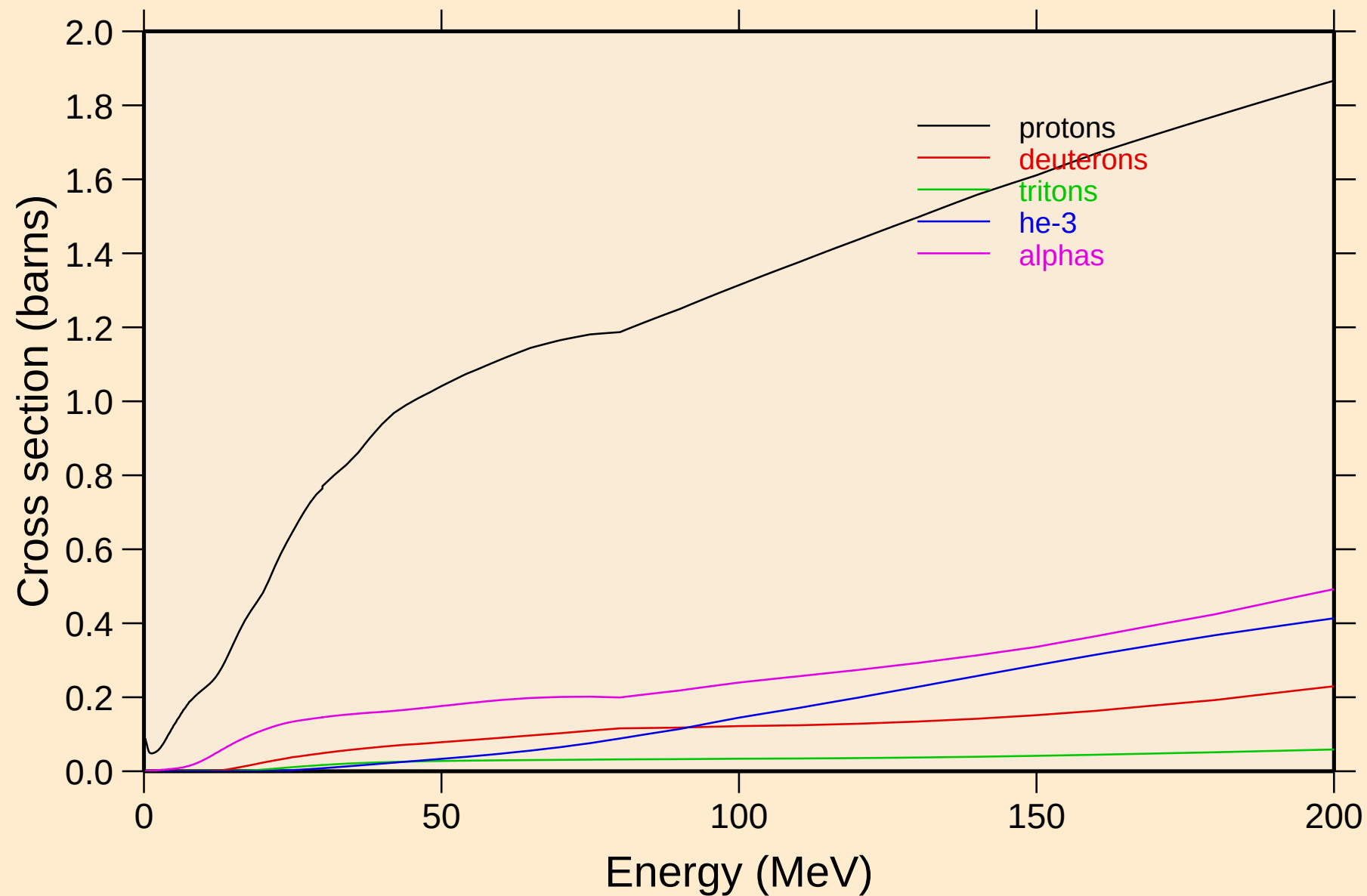


XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Recoil Heating

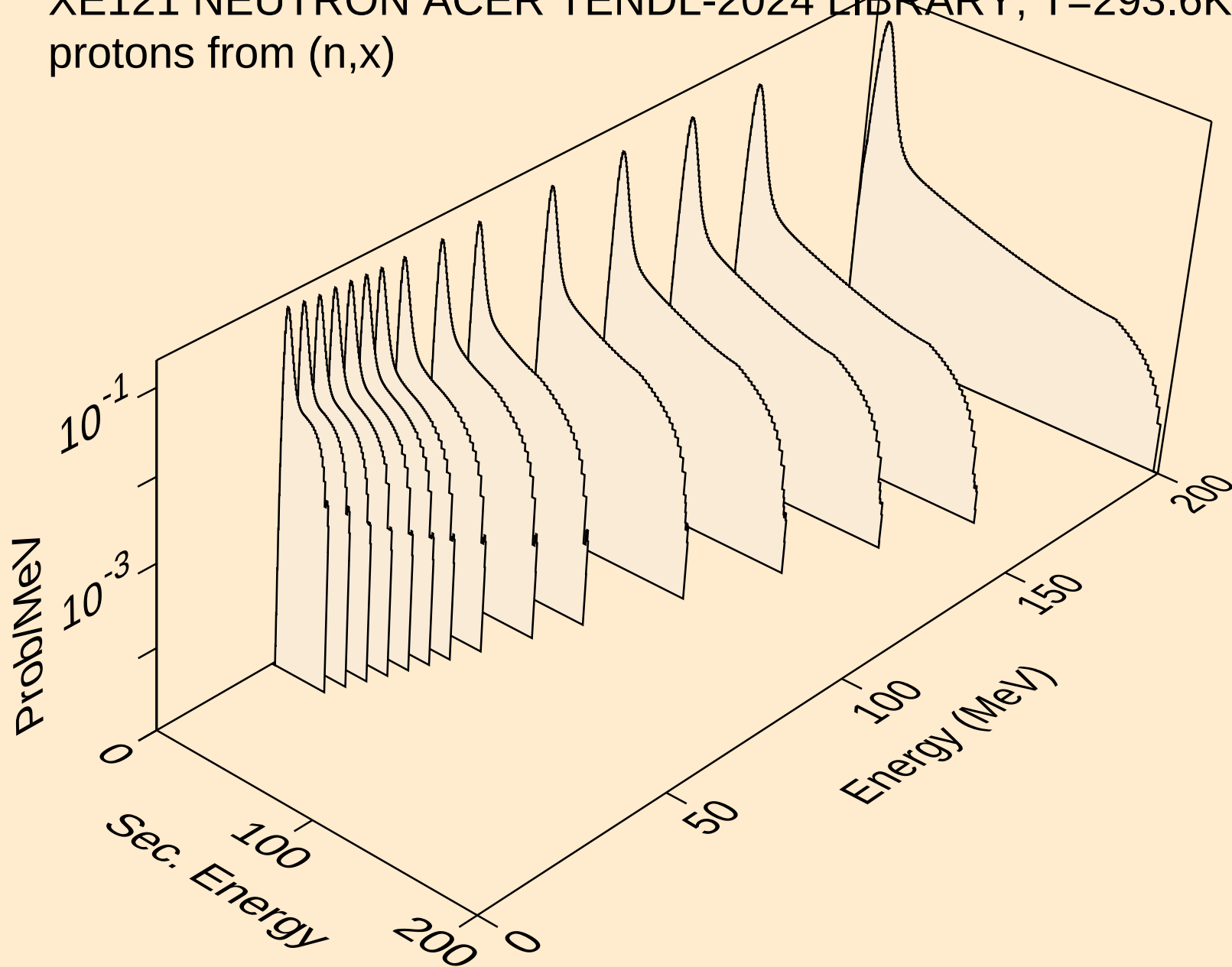


# XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

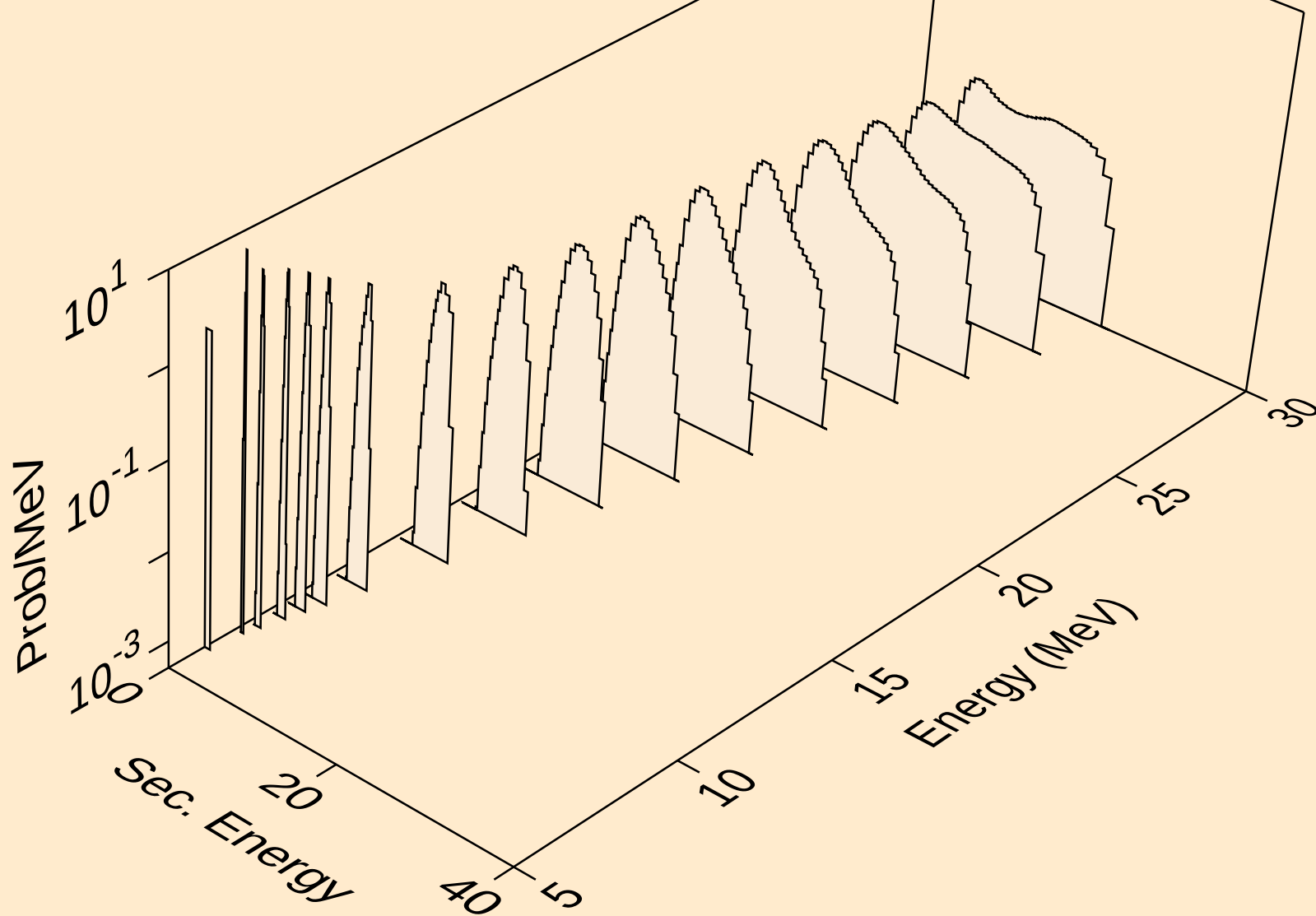
## Particle production cross sections



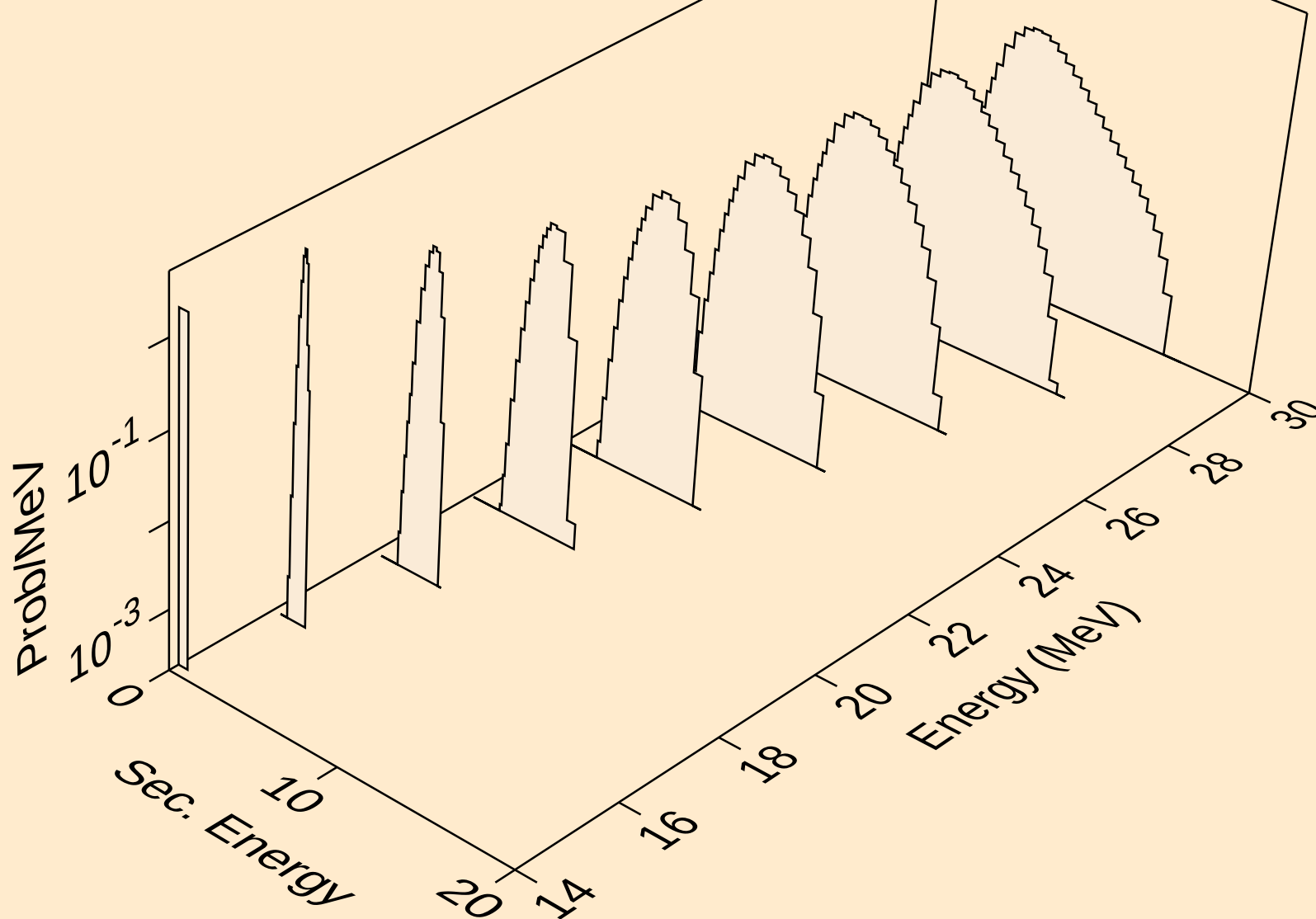
XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
protons from (n,x)



XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
protons from (n,n\*)p

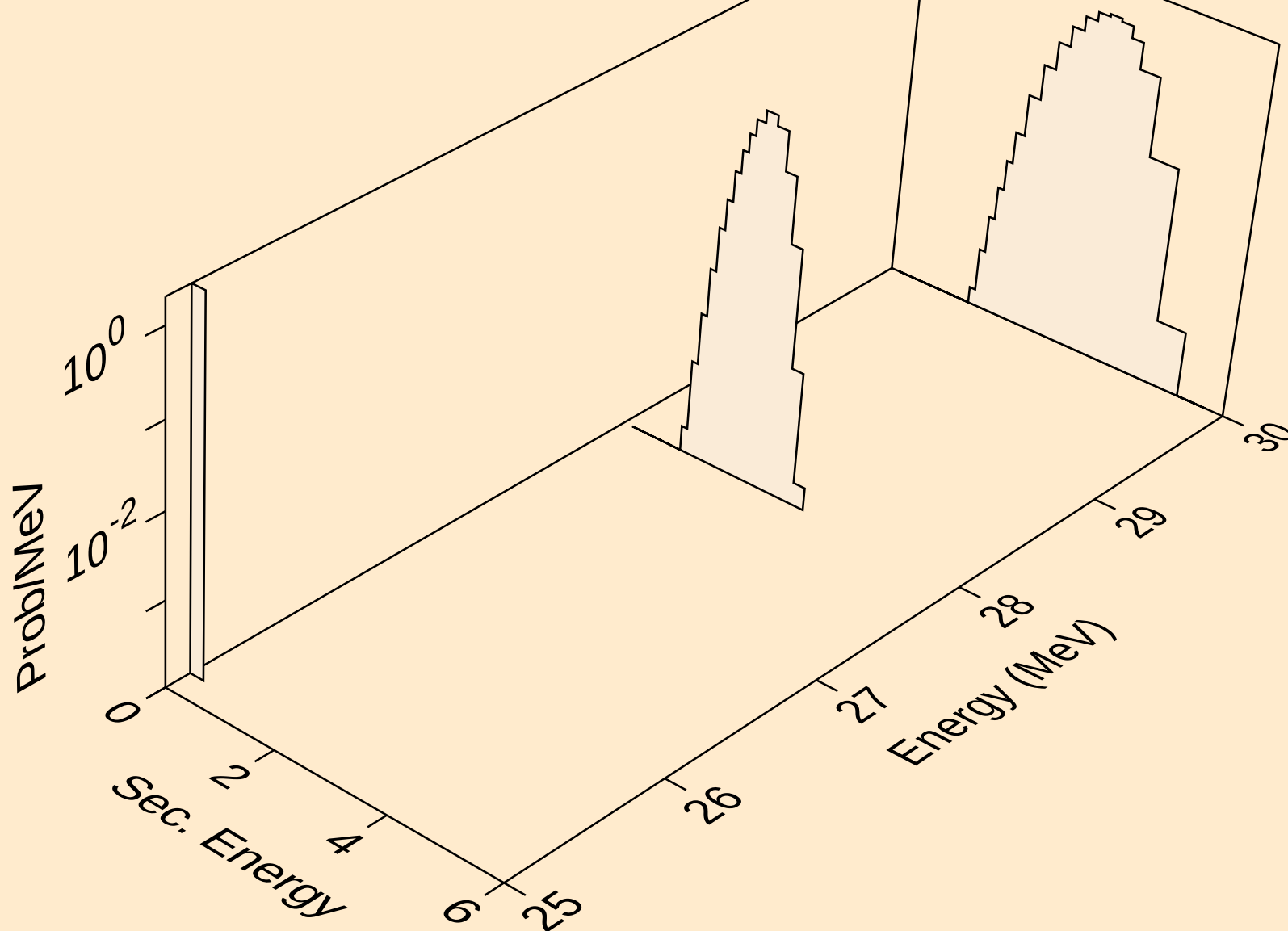


XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
protons from (n,2np)

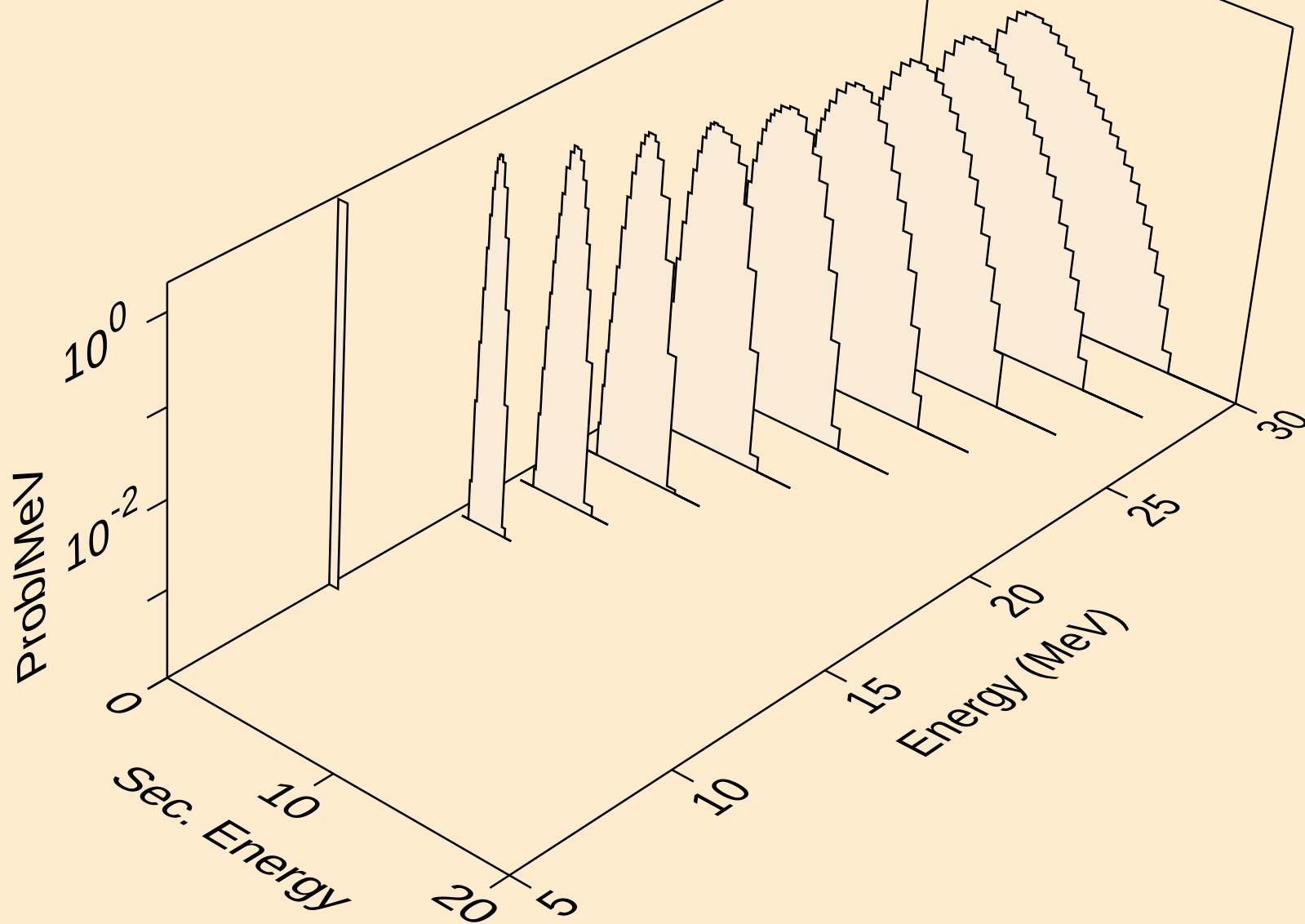




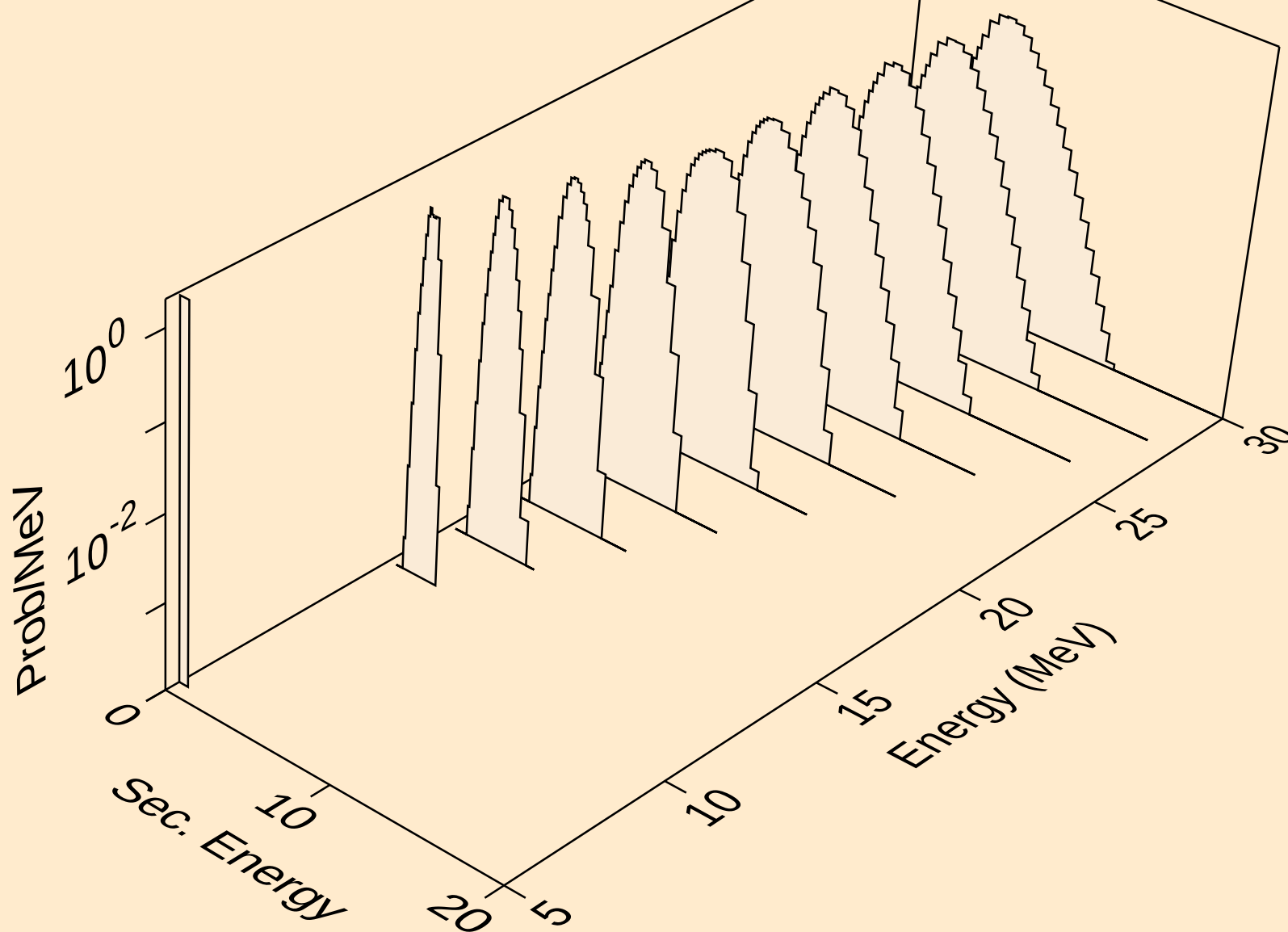
XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
protons from (n,3np)



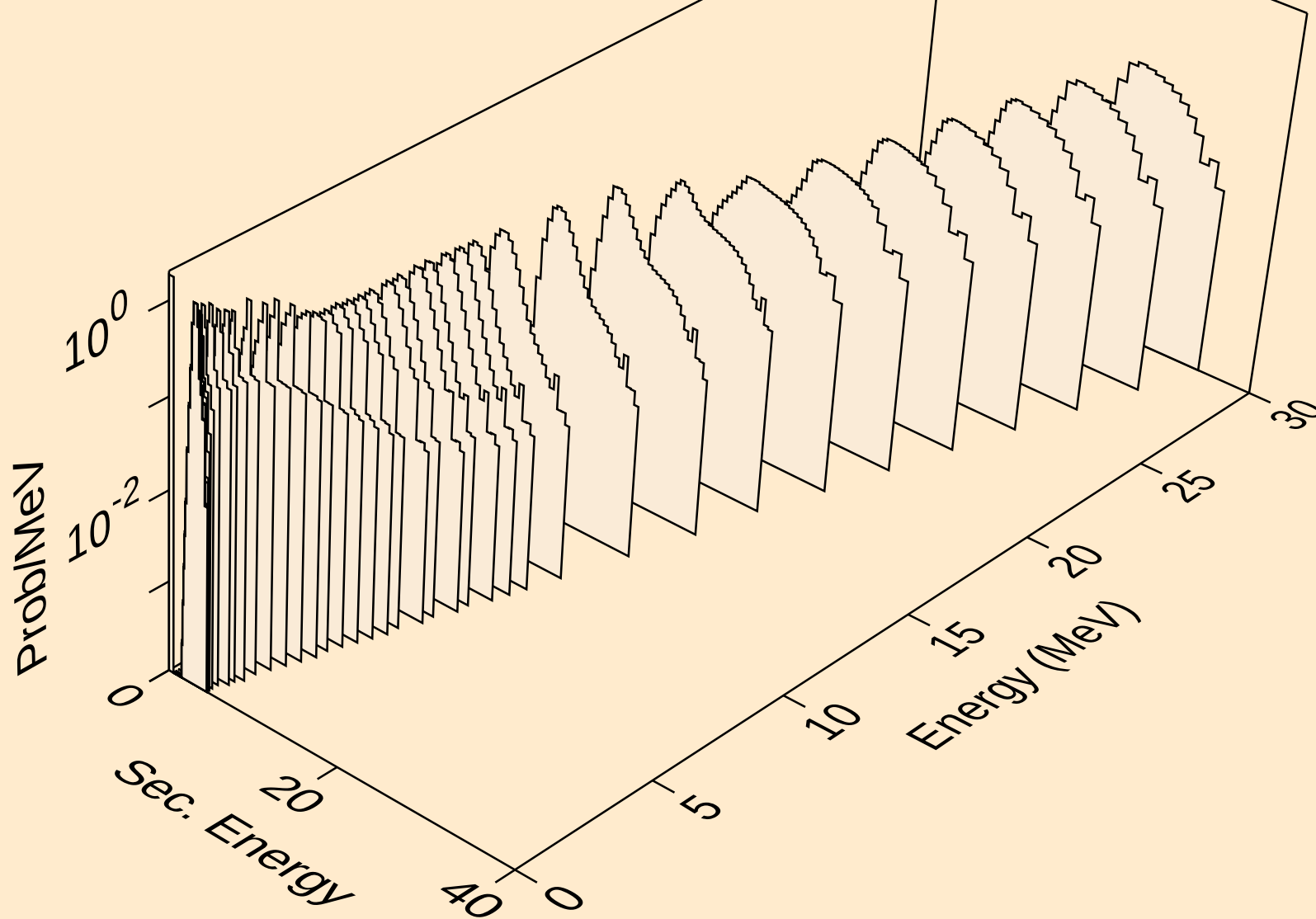
XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
protons from (n,n2p)



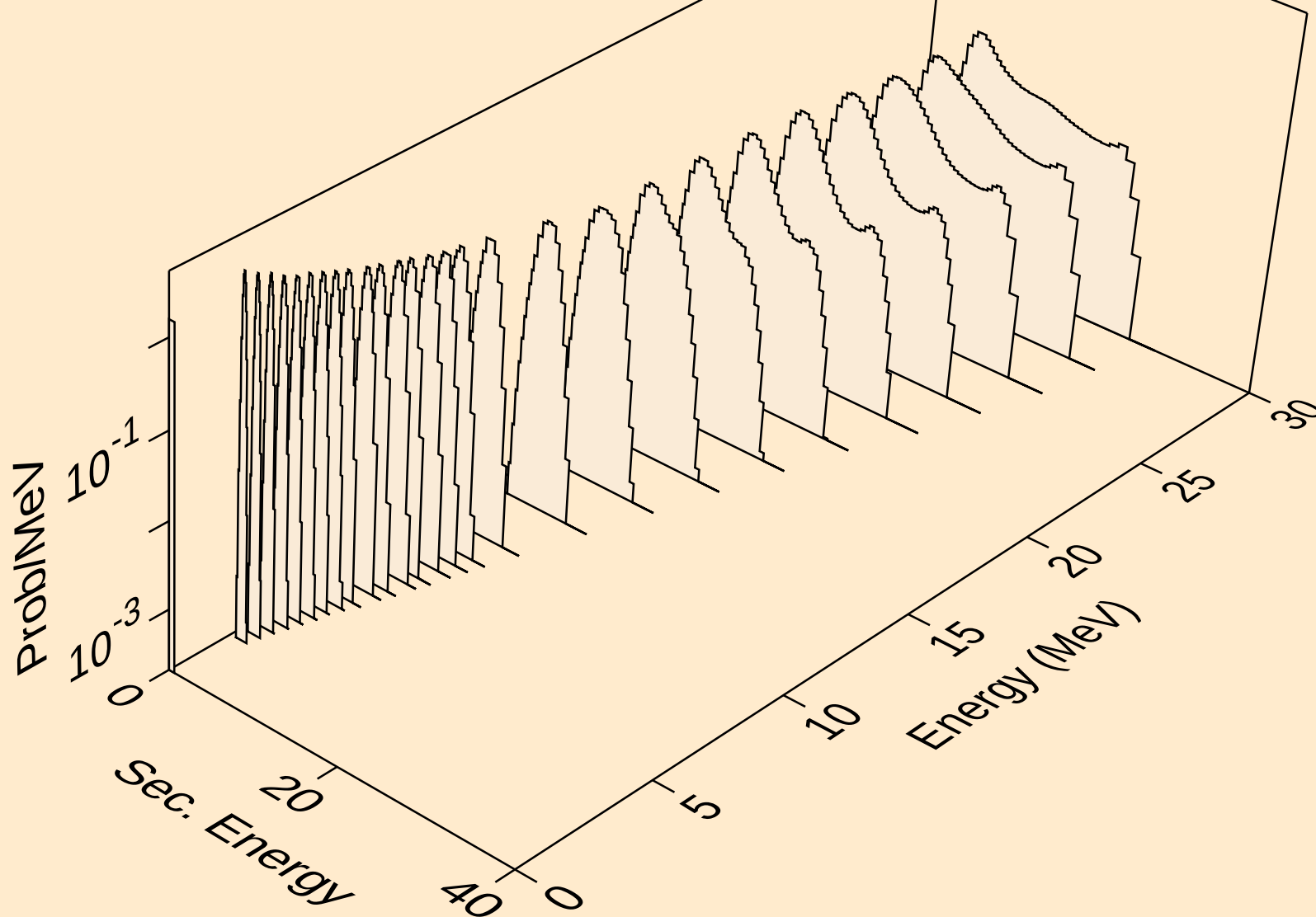
XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
protons from (n,npa)



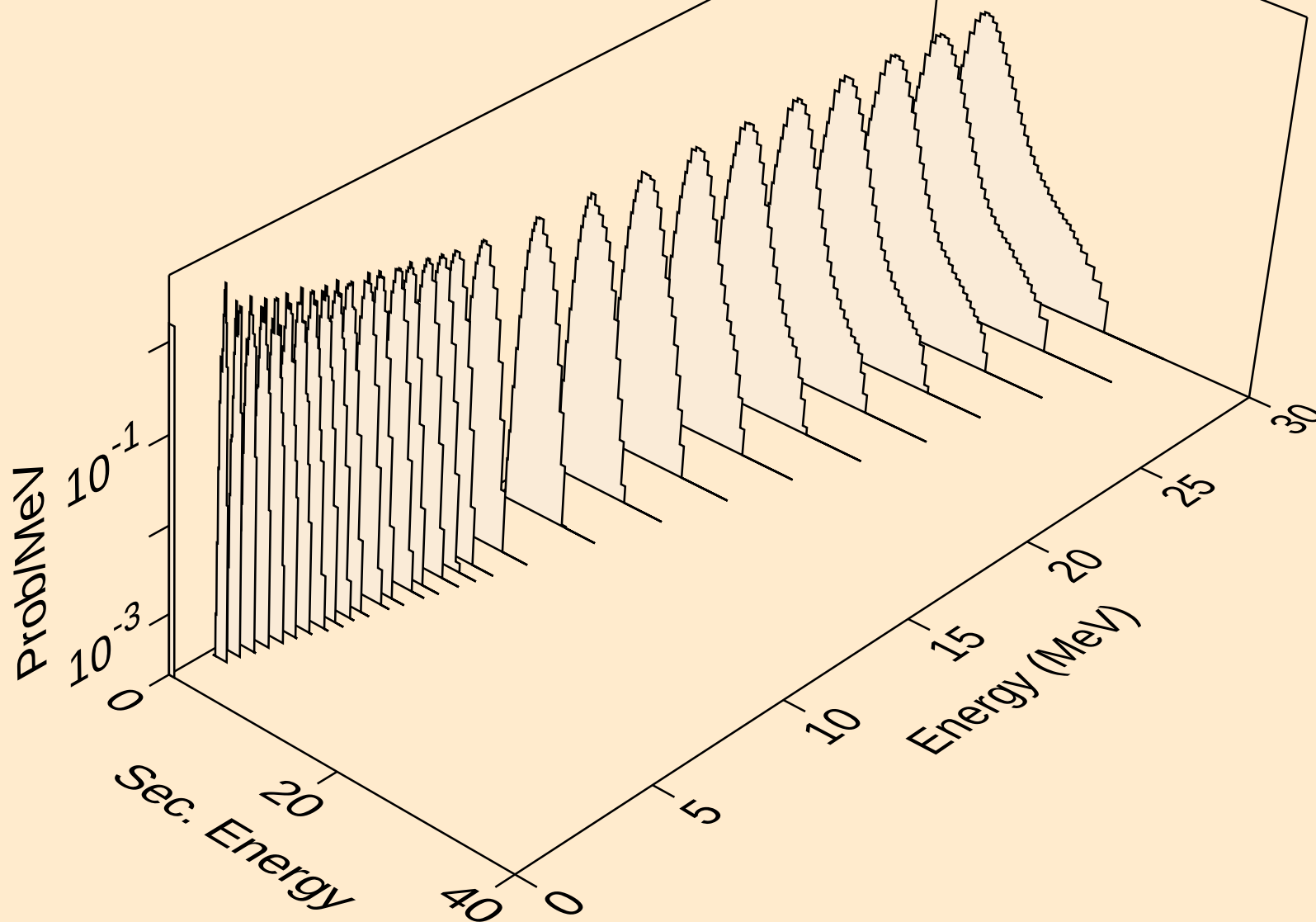
XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
protons from (n,p)



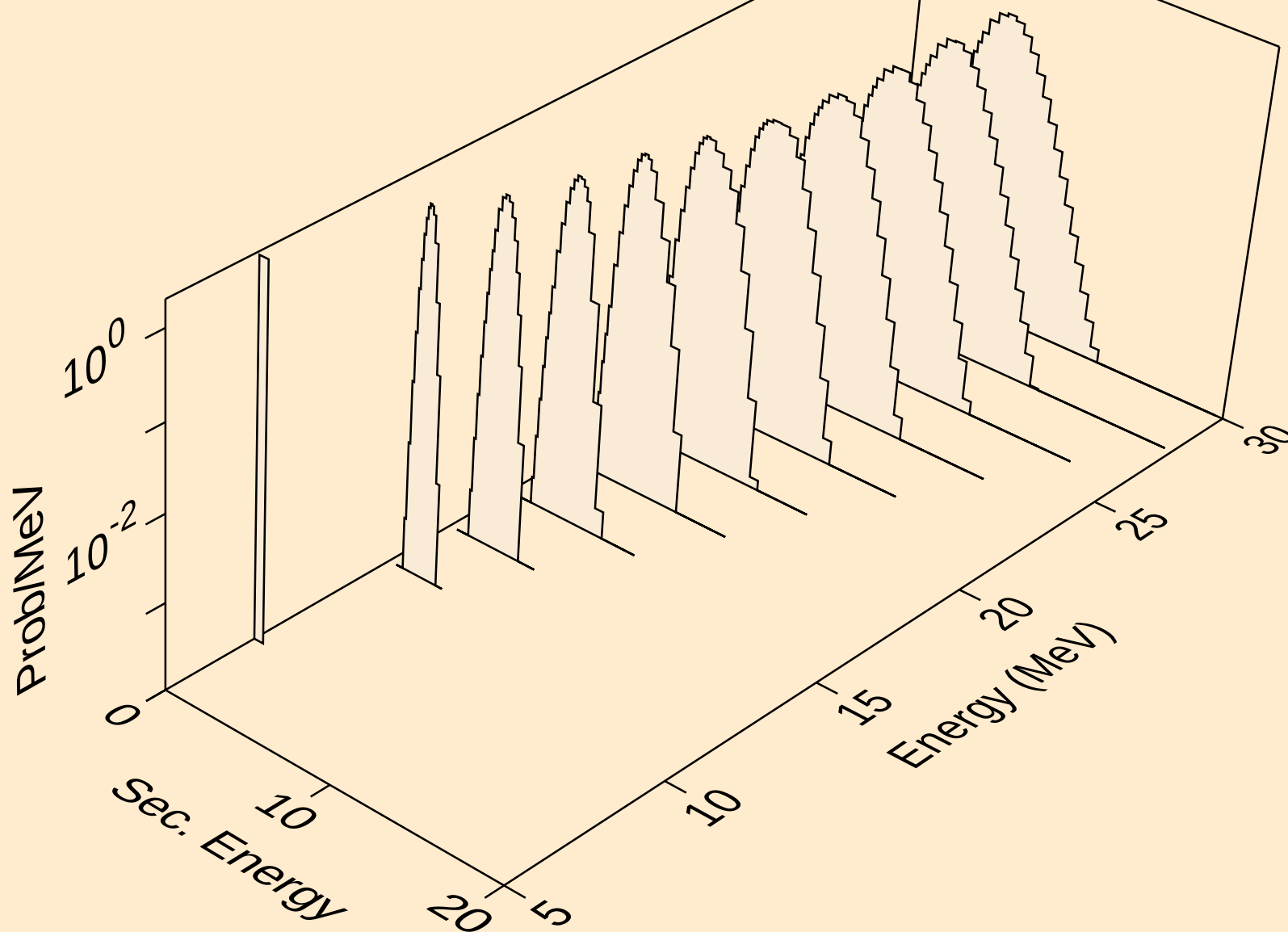
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protons from (n,2p)



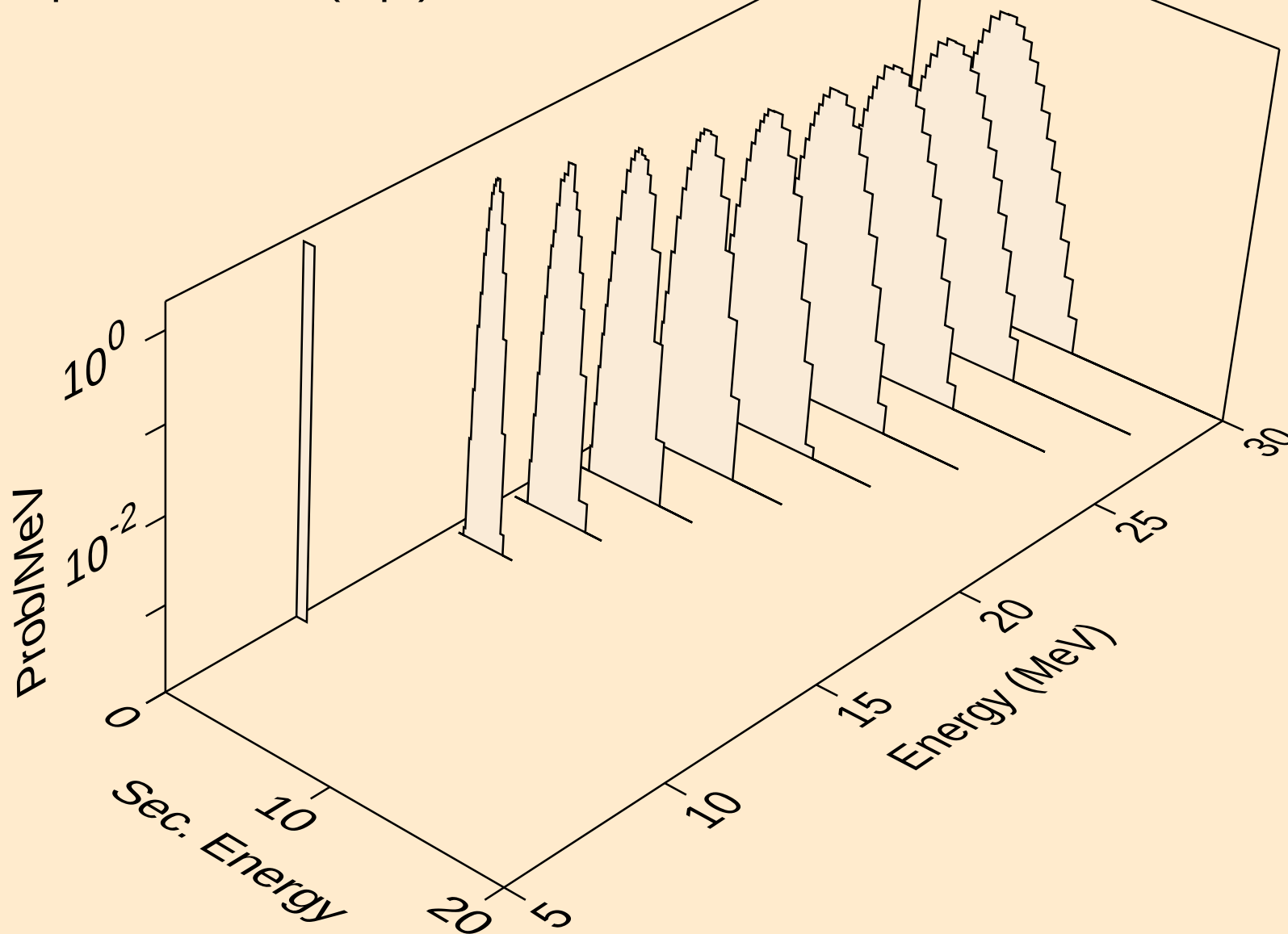
XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
protons from (n,p)



XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
protons from (n,pd)

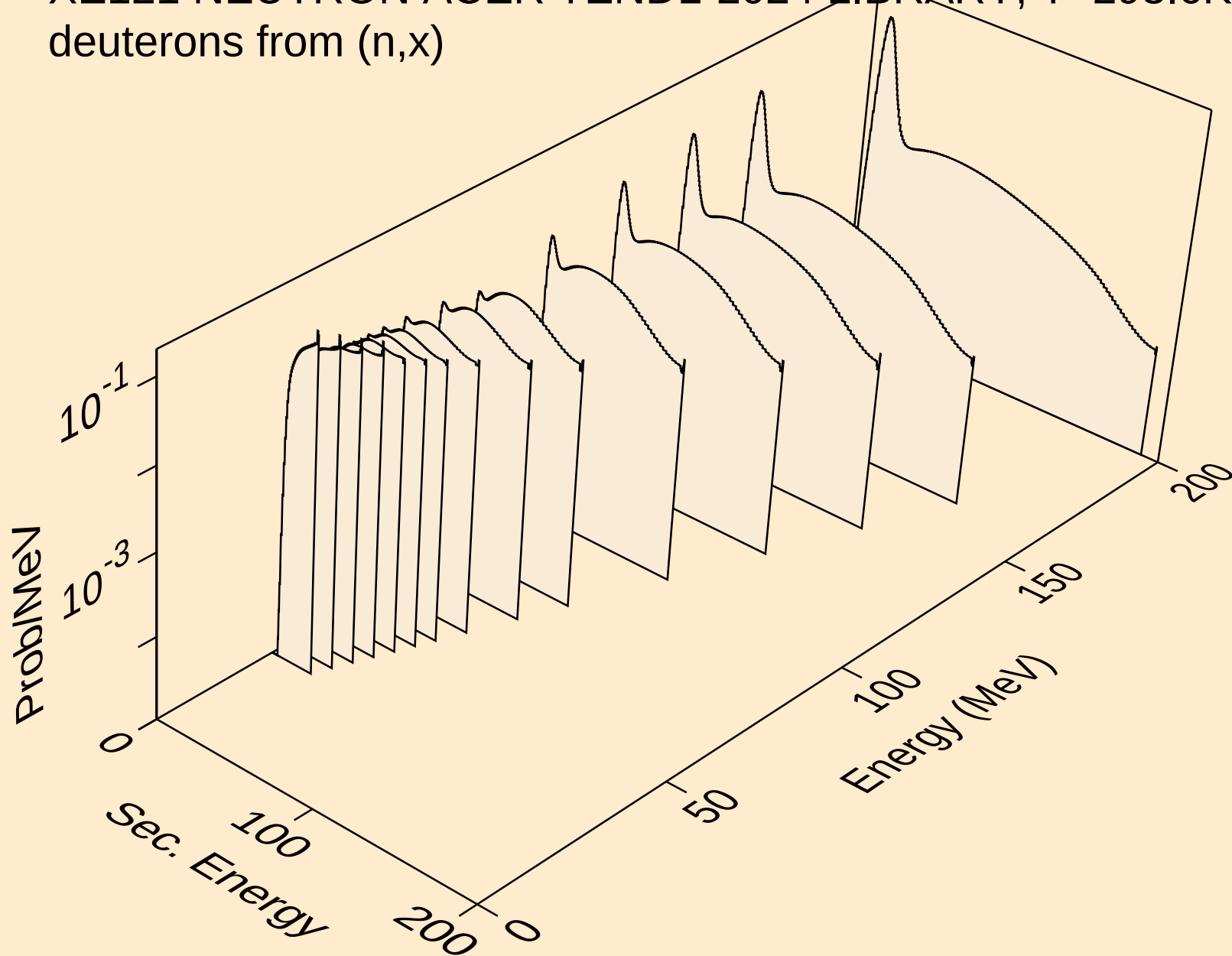


XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
protons from (n,pt)

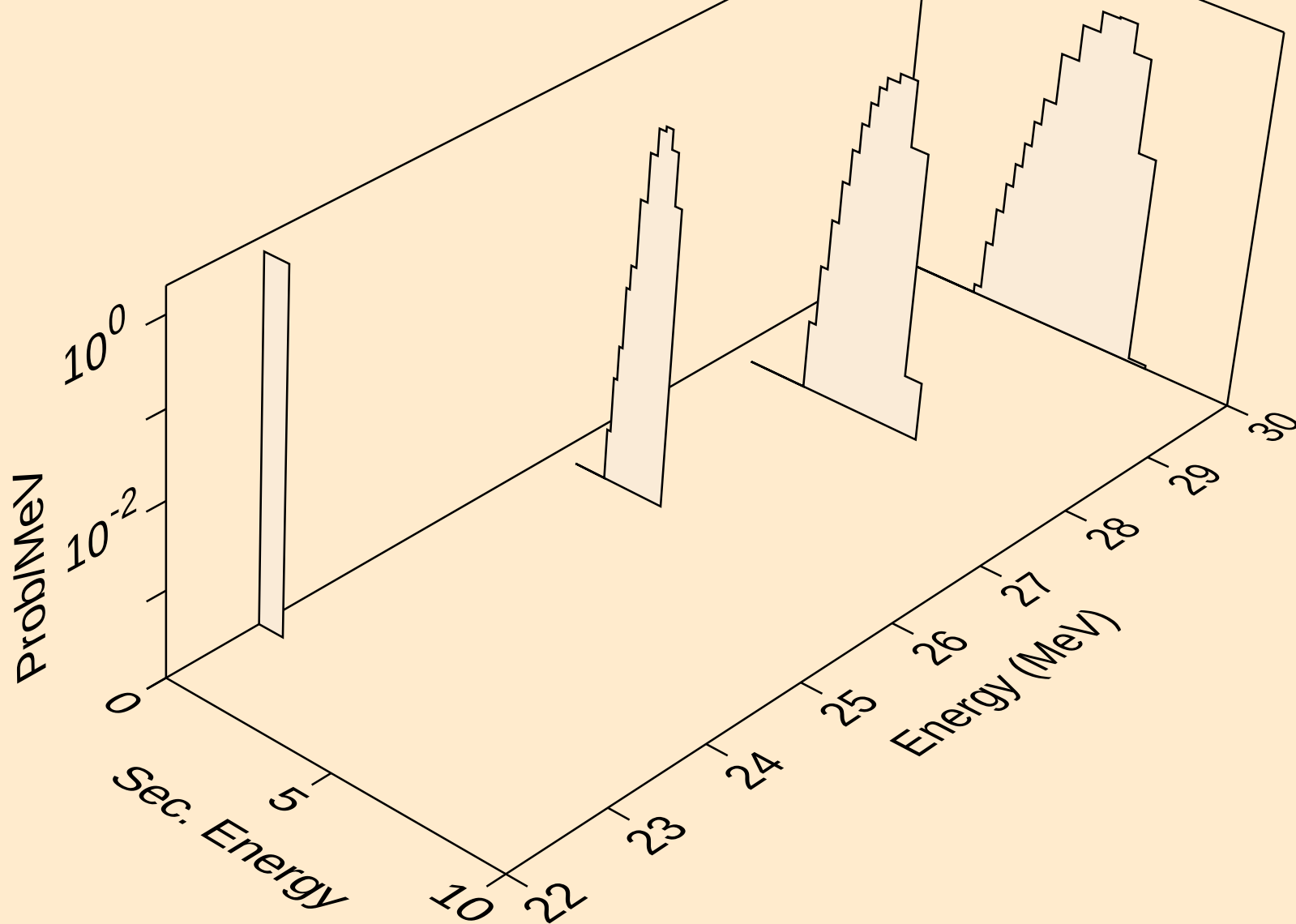




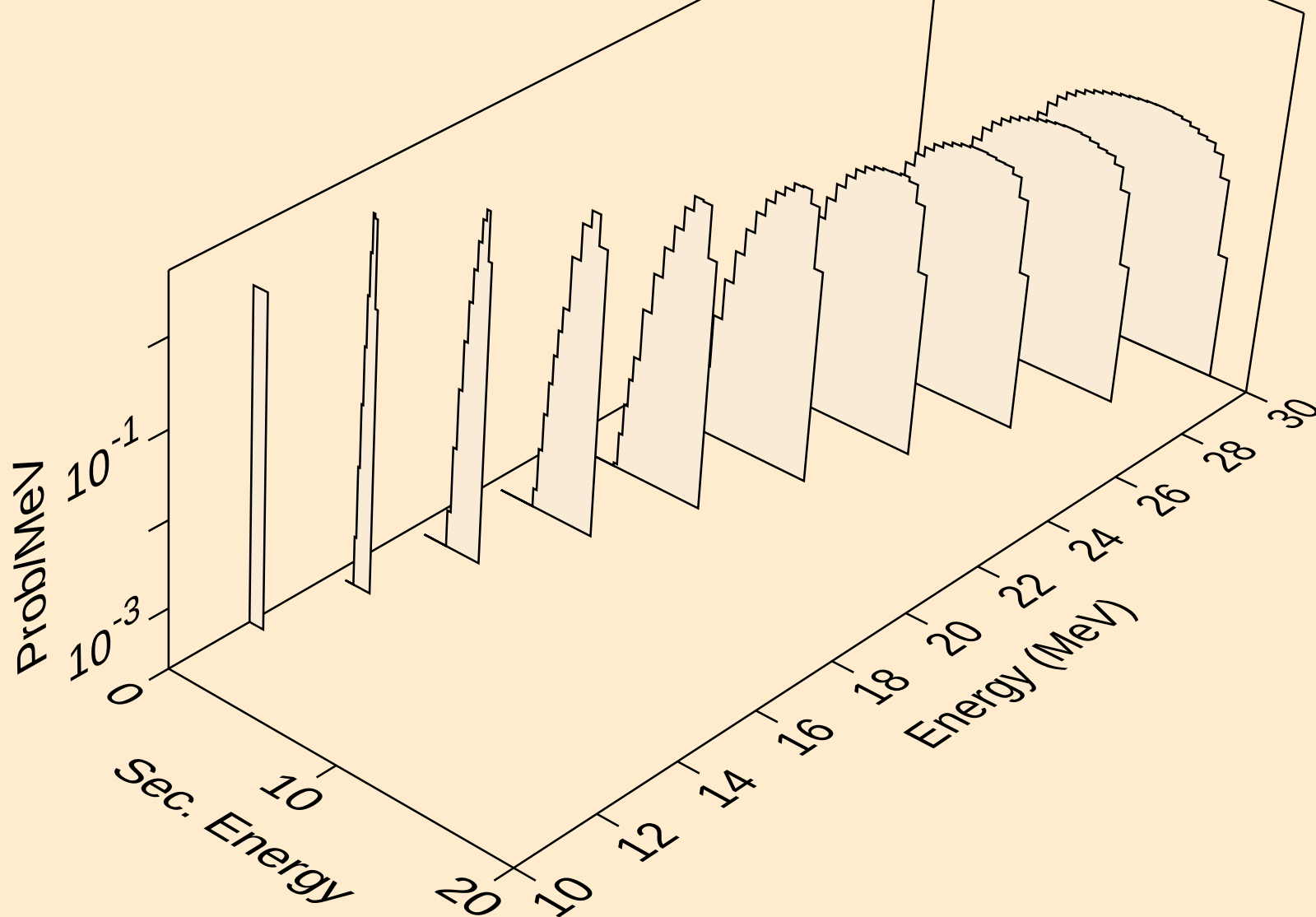
XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
deuterons from (n,x)



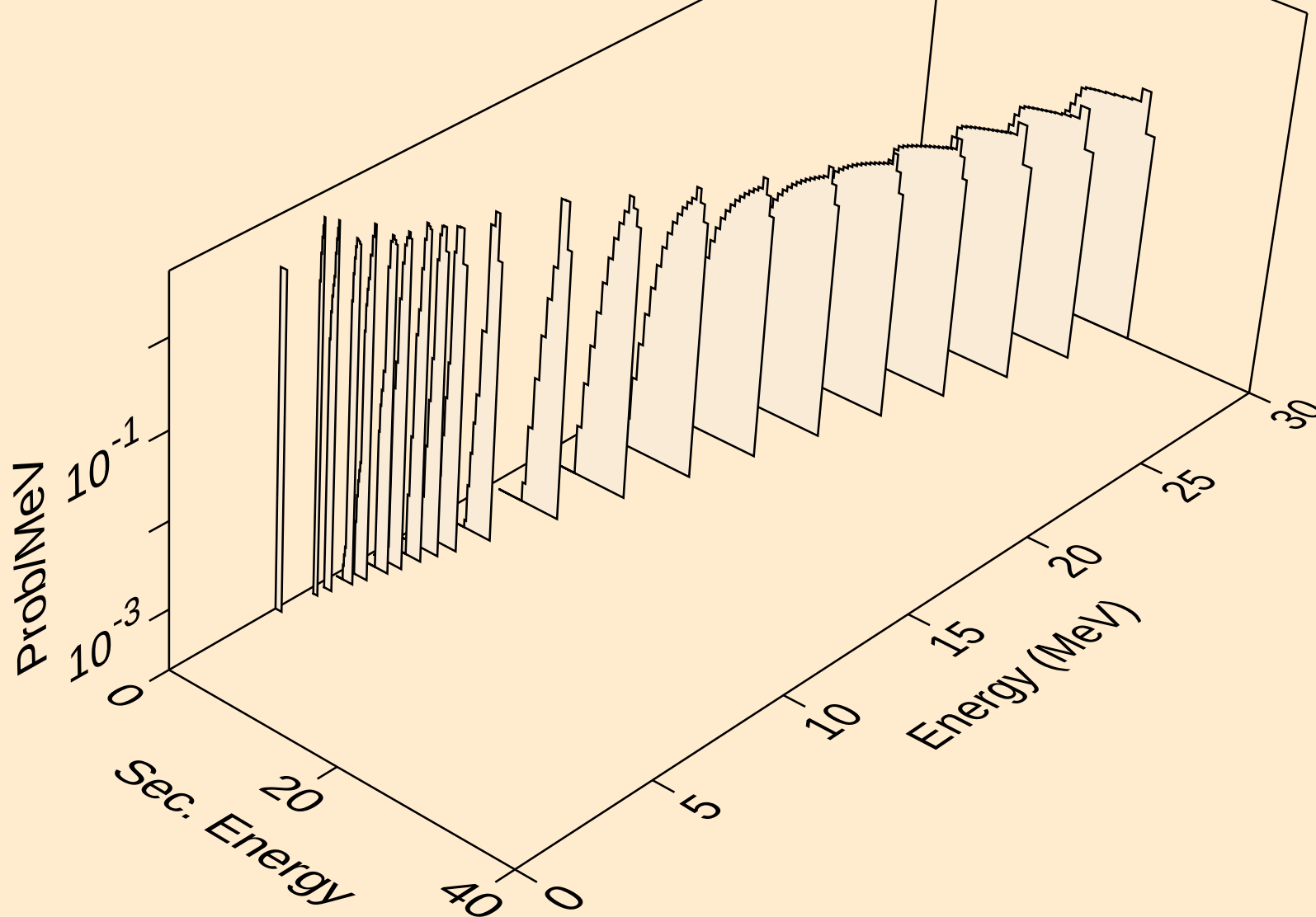
XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
deuterons from (n,2nd)



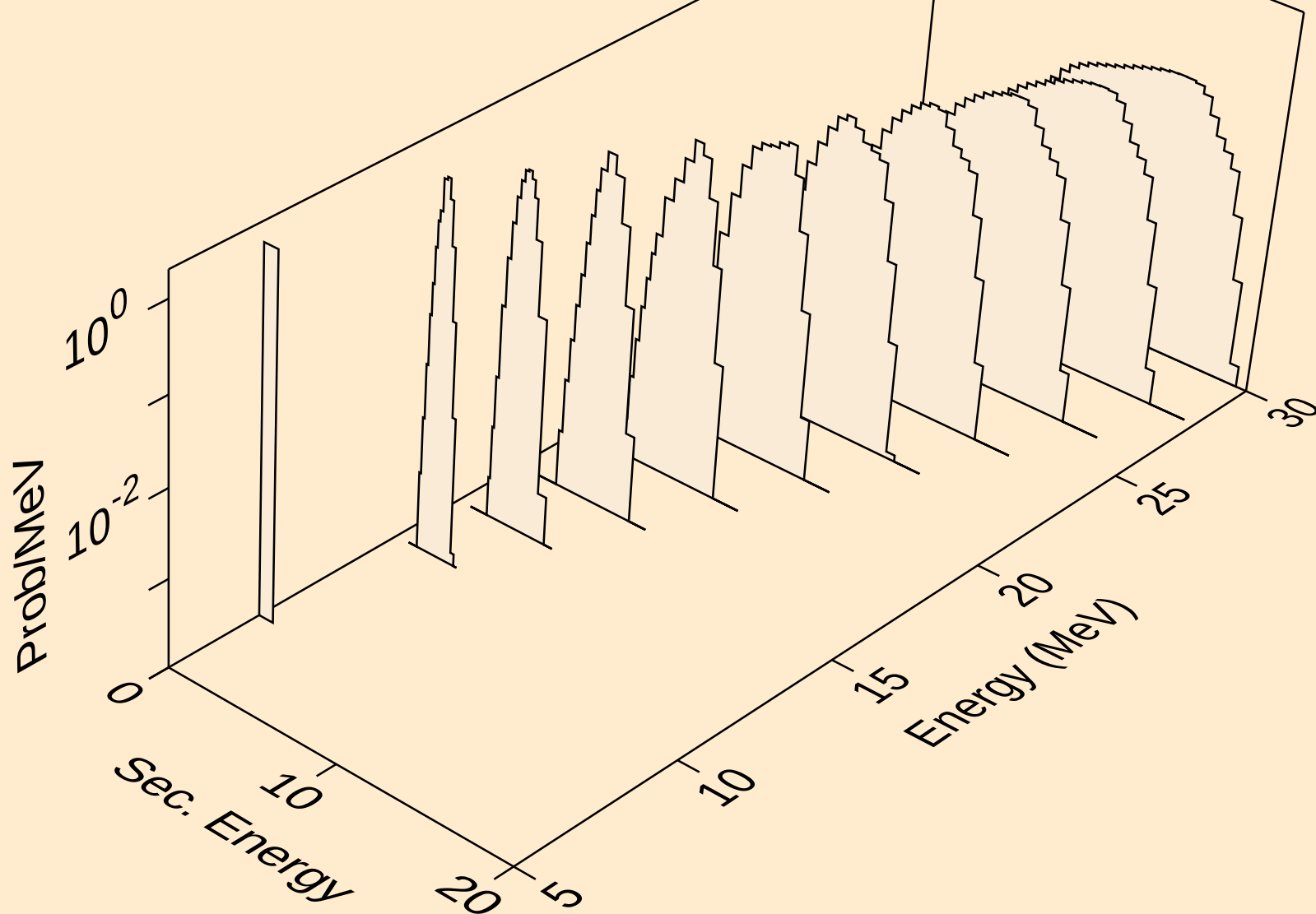
XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
deuterons from (n,n\*)d



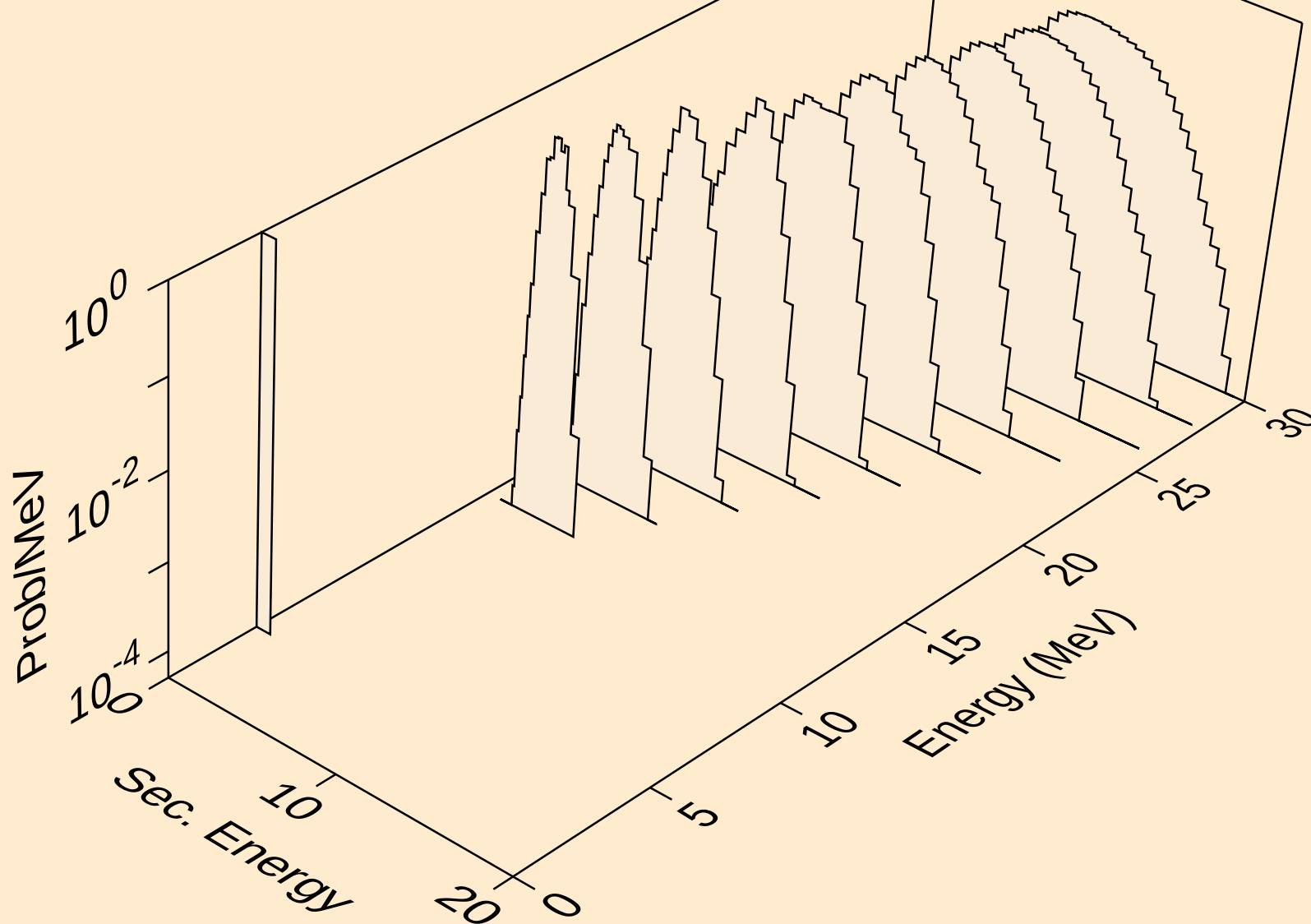
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deuterons from (n,d)



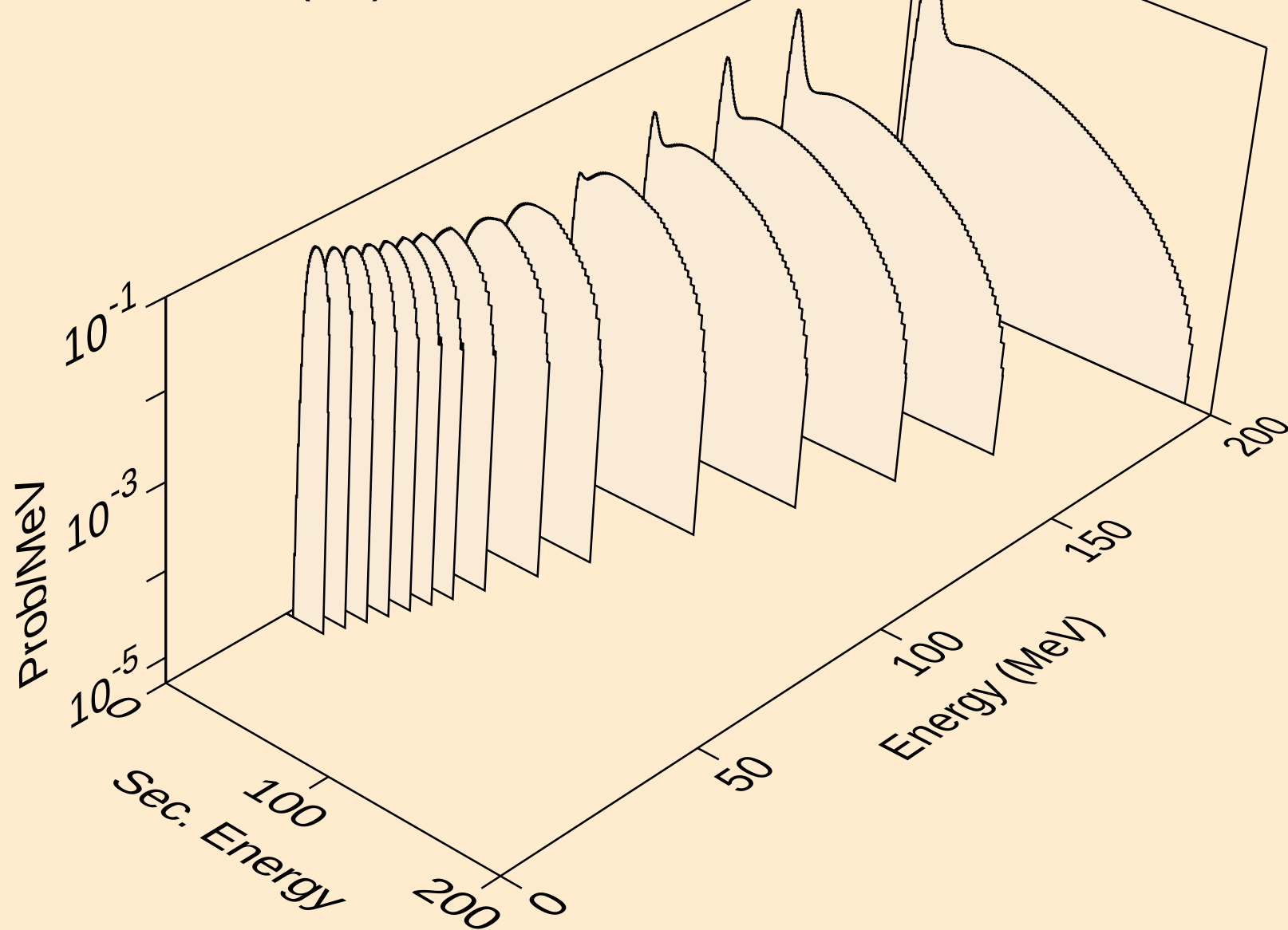
XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
deuterons from (n,pd)



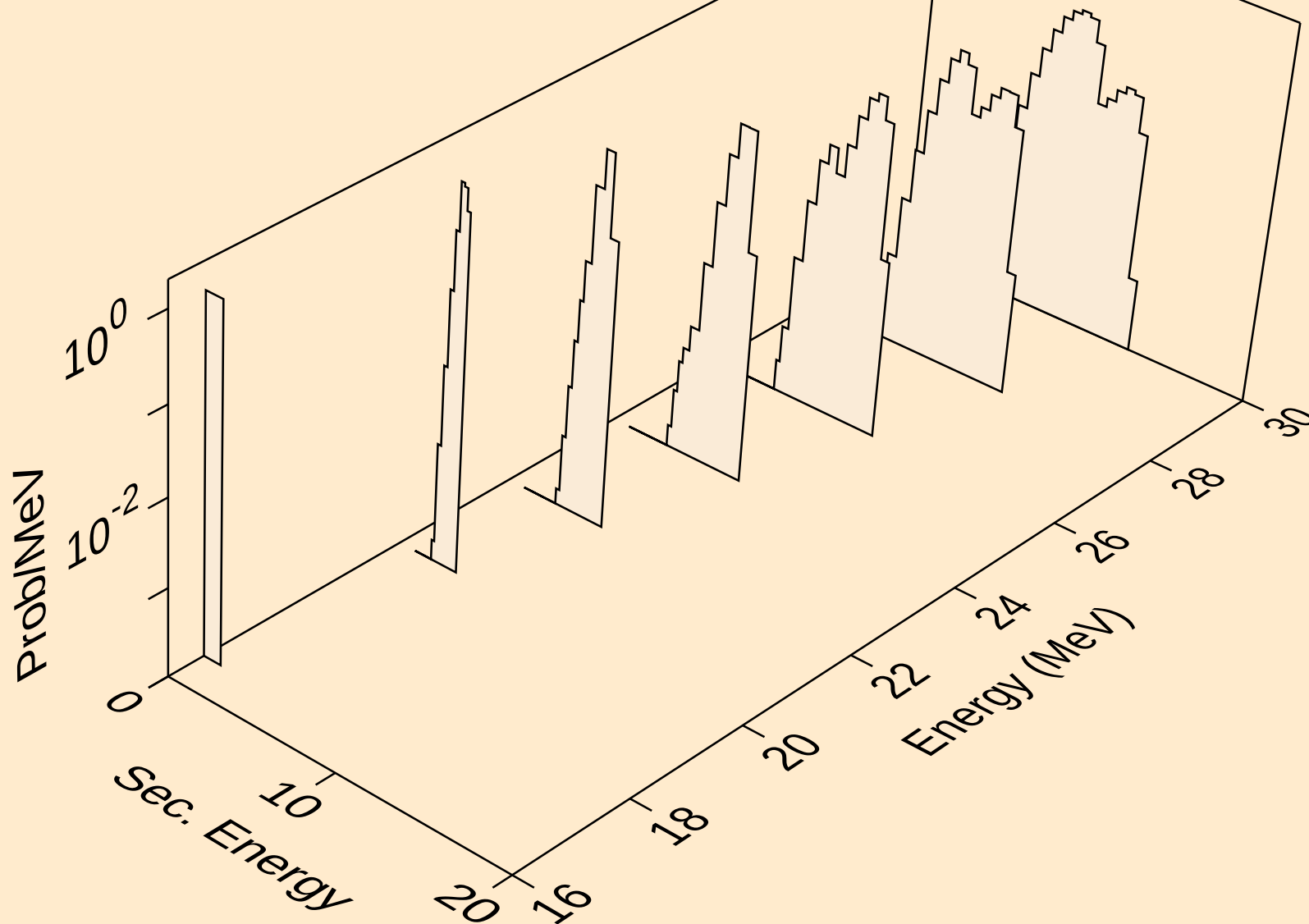
XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
deuterons from (n,da)



XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
tritons from (n,x)

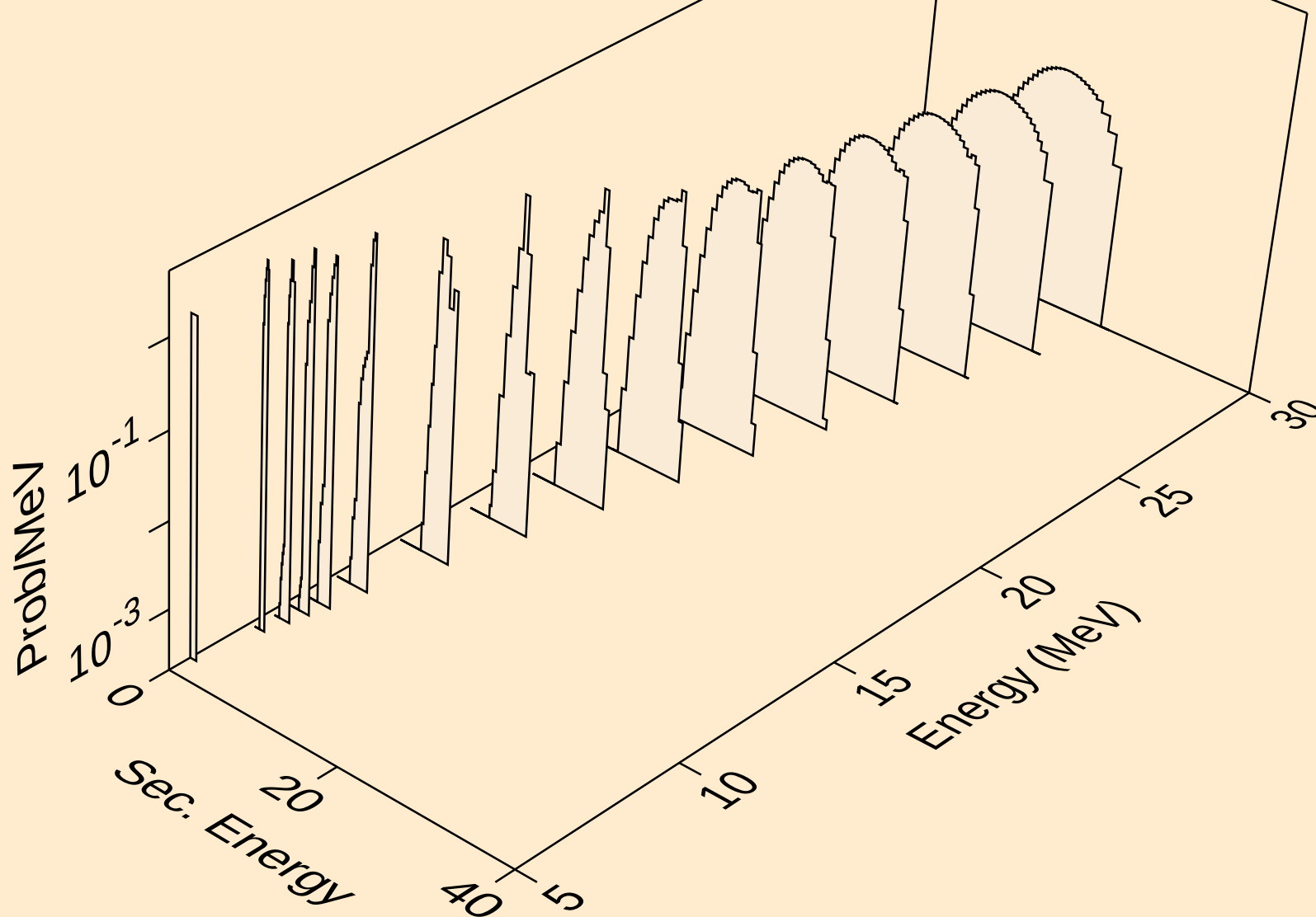


XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
tritons from (n,n\*)t

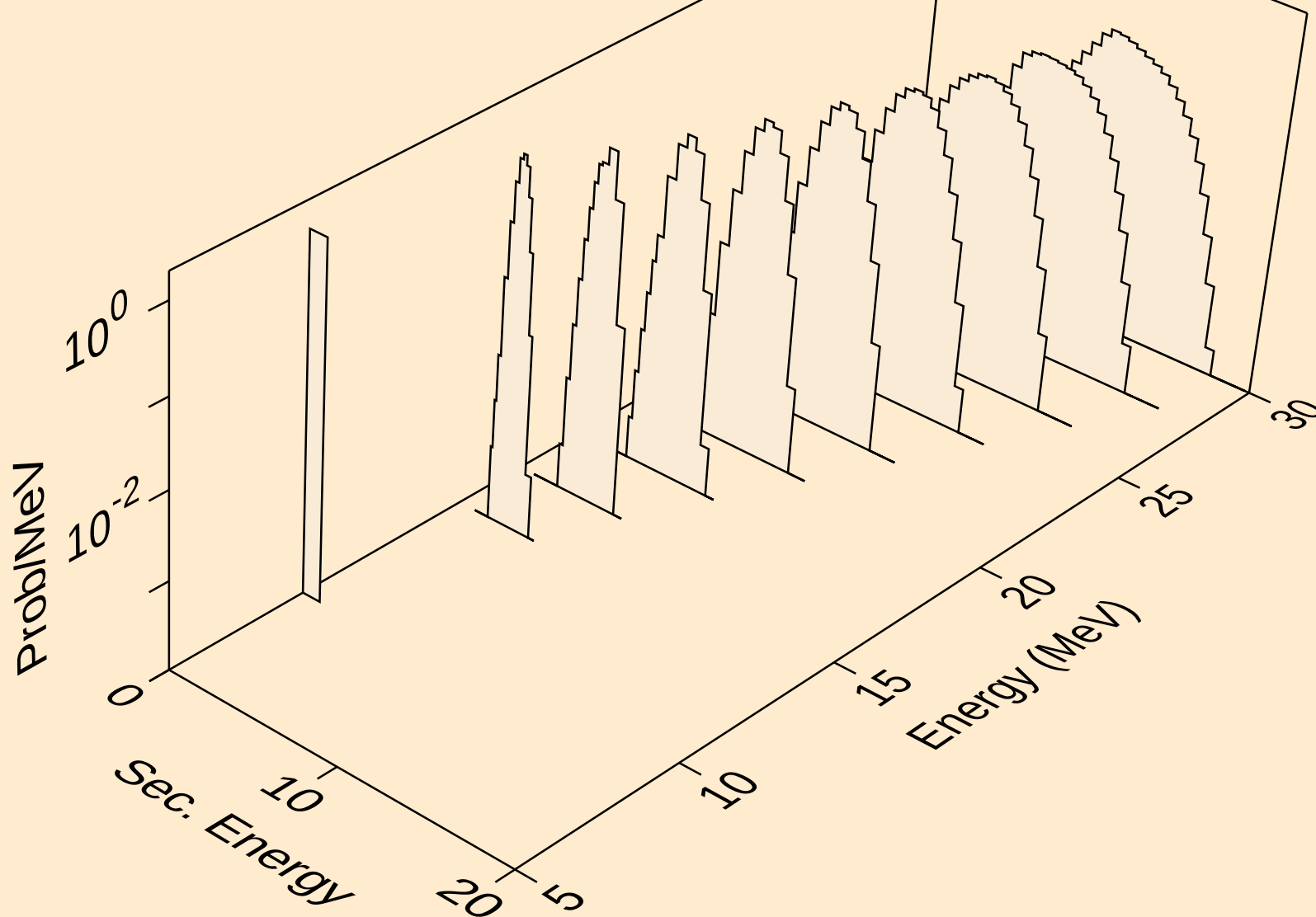




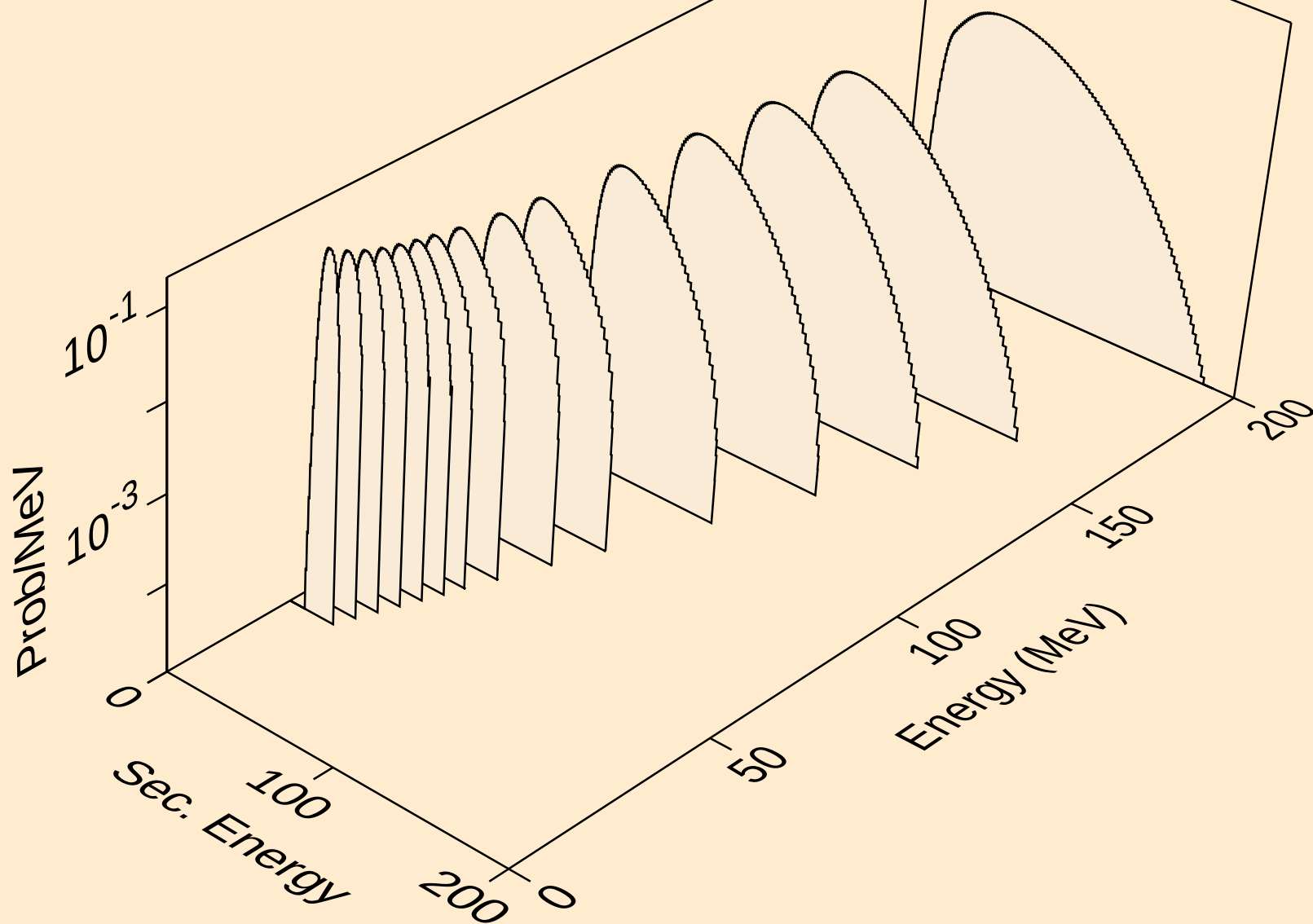
XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
tritons from (n,t)



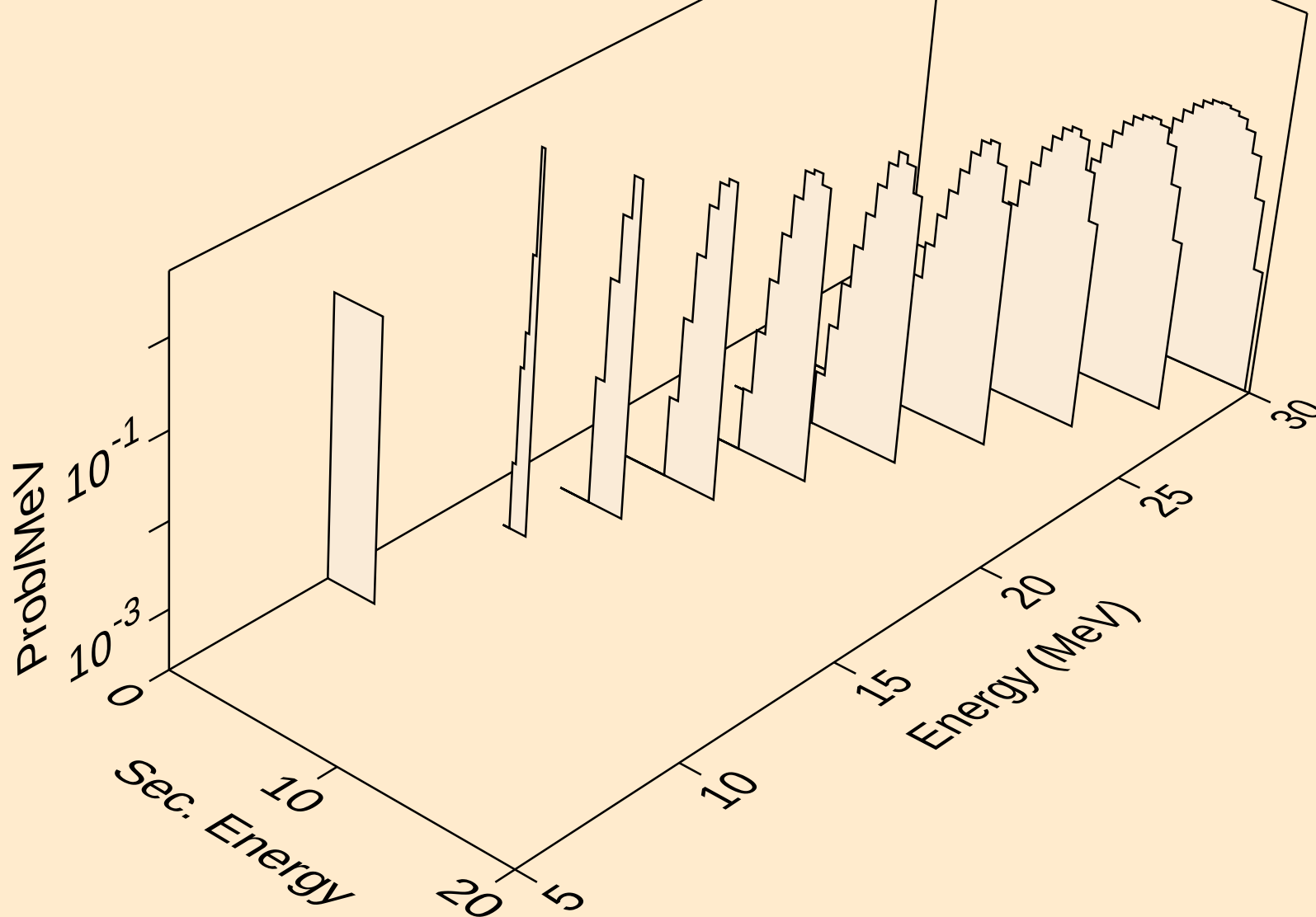
XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
tritons from (n,pt)



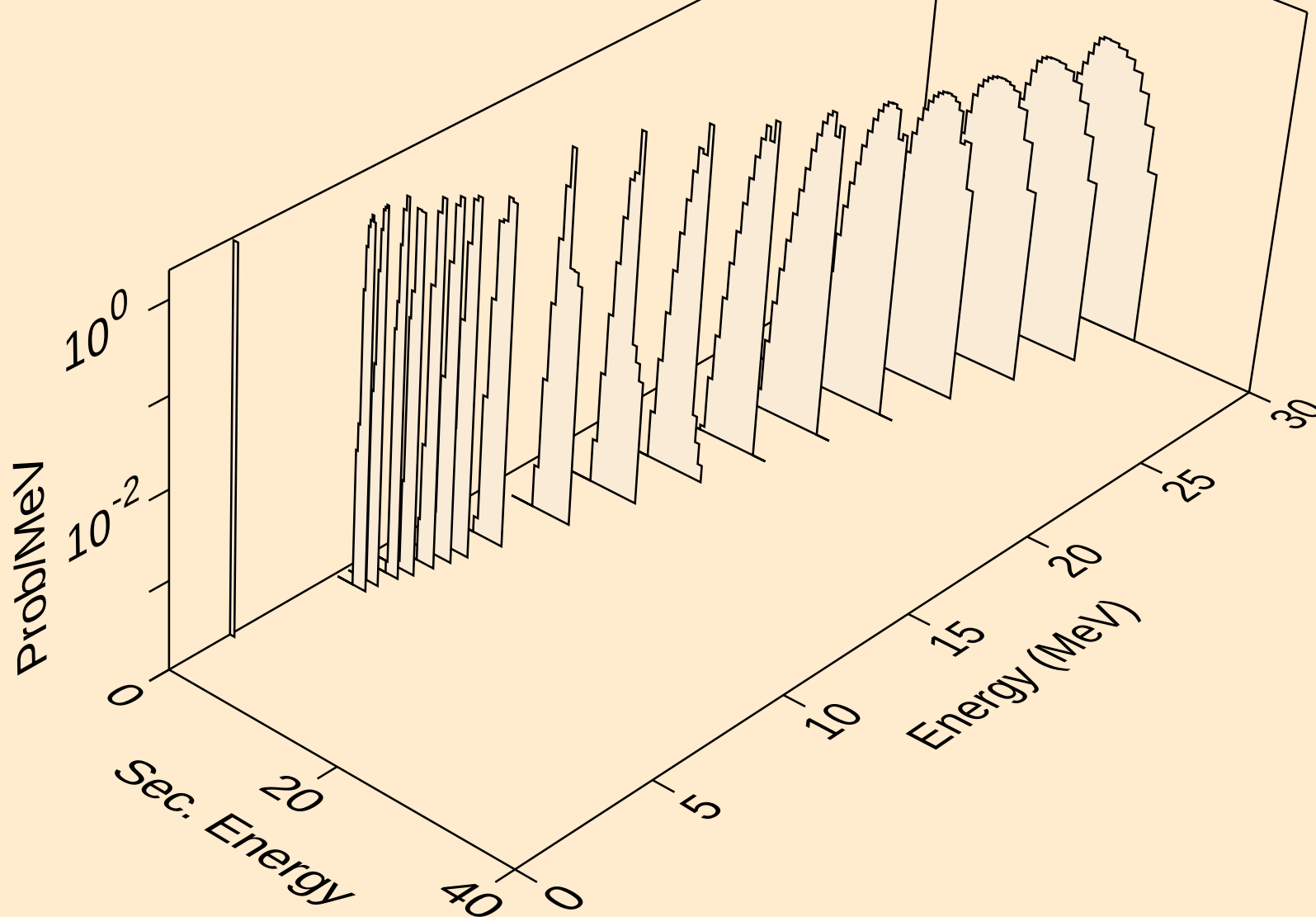
XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
he3s from (n,x)



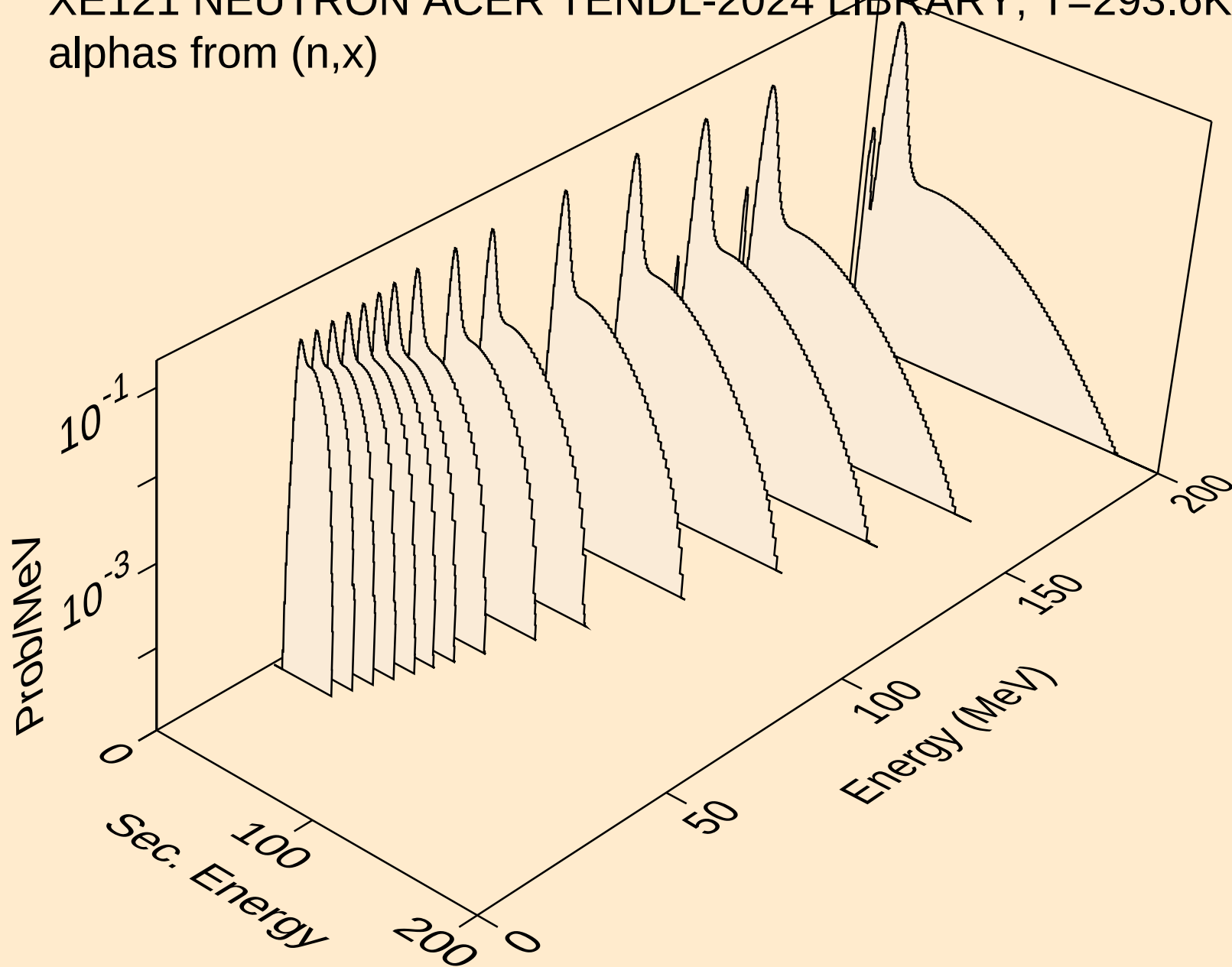
XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
he3s from (n,n\*)he3



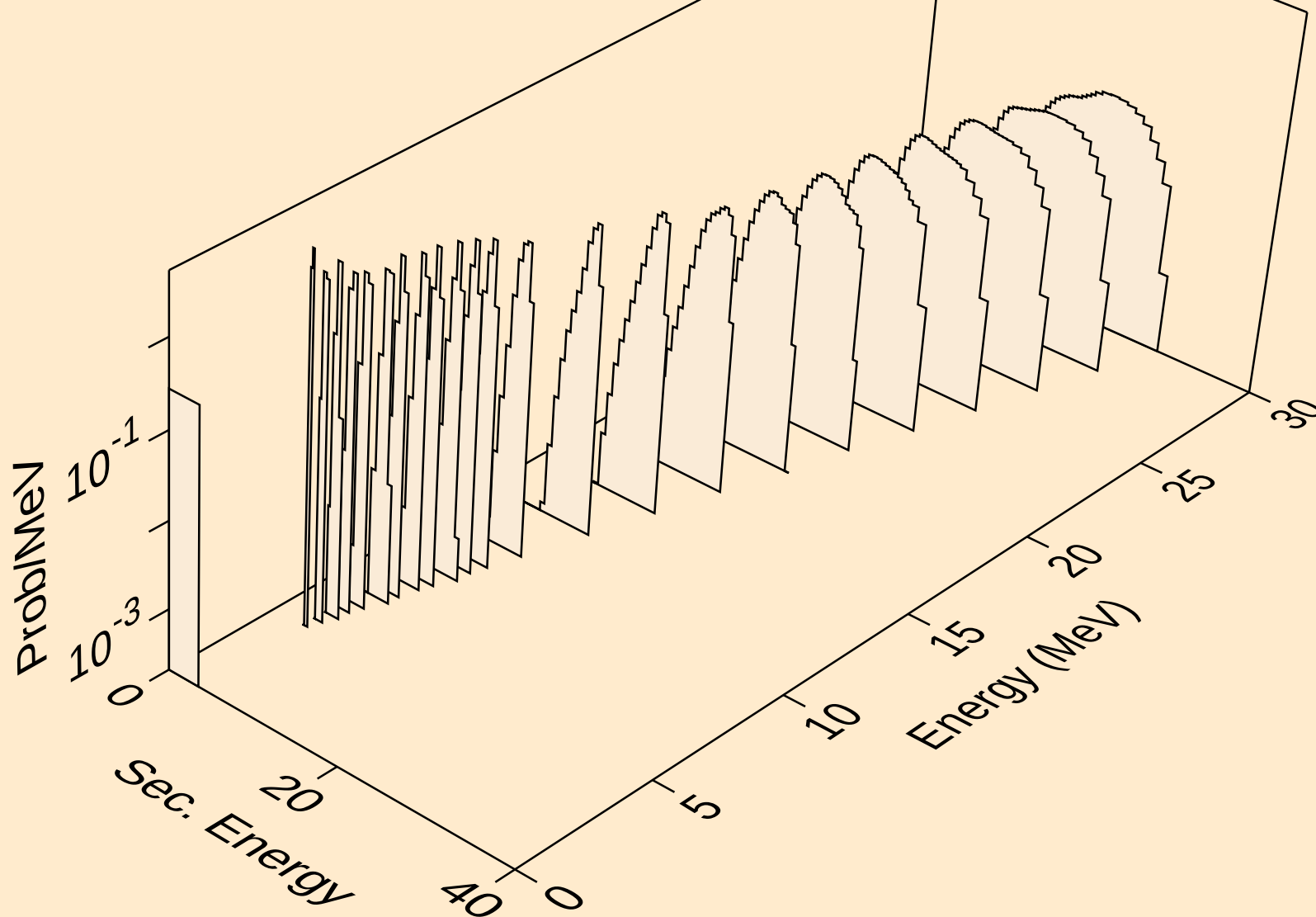
XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
he3s from (n,he3)



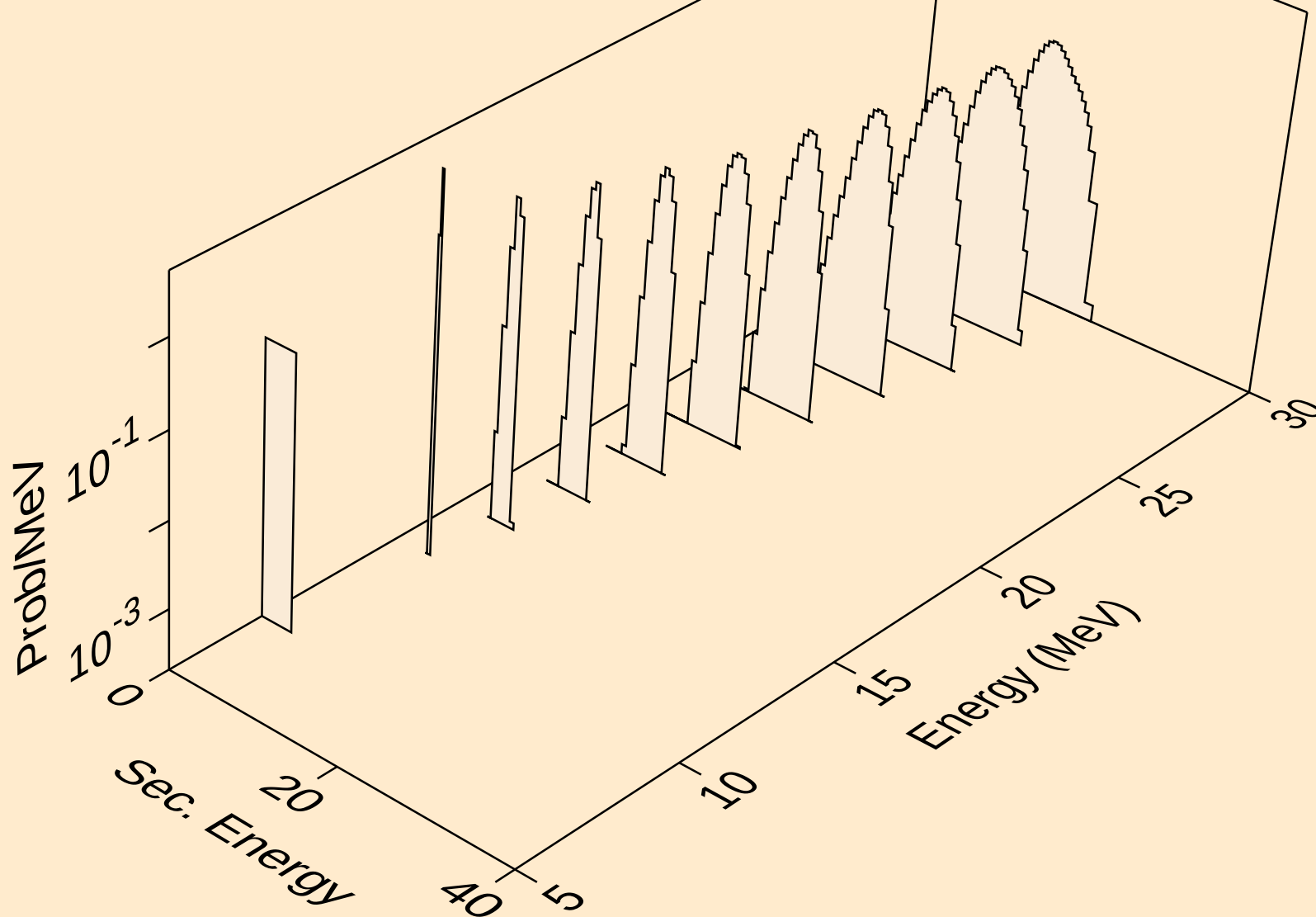
XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,x)



XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,n\*)a

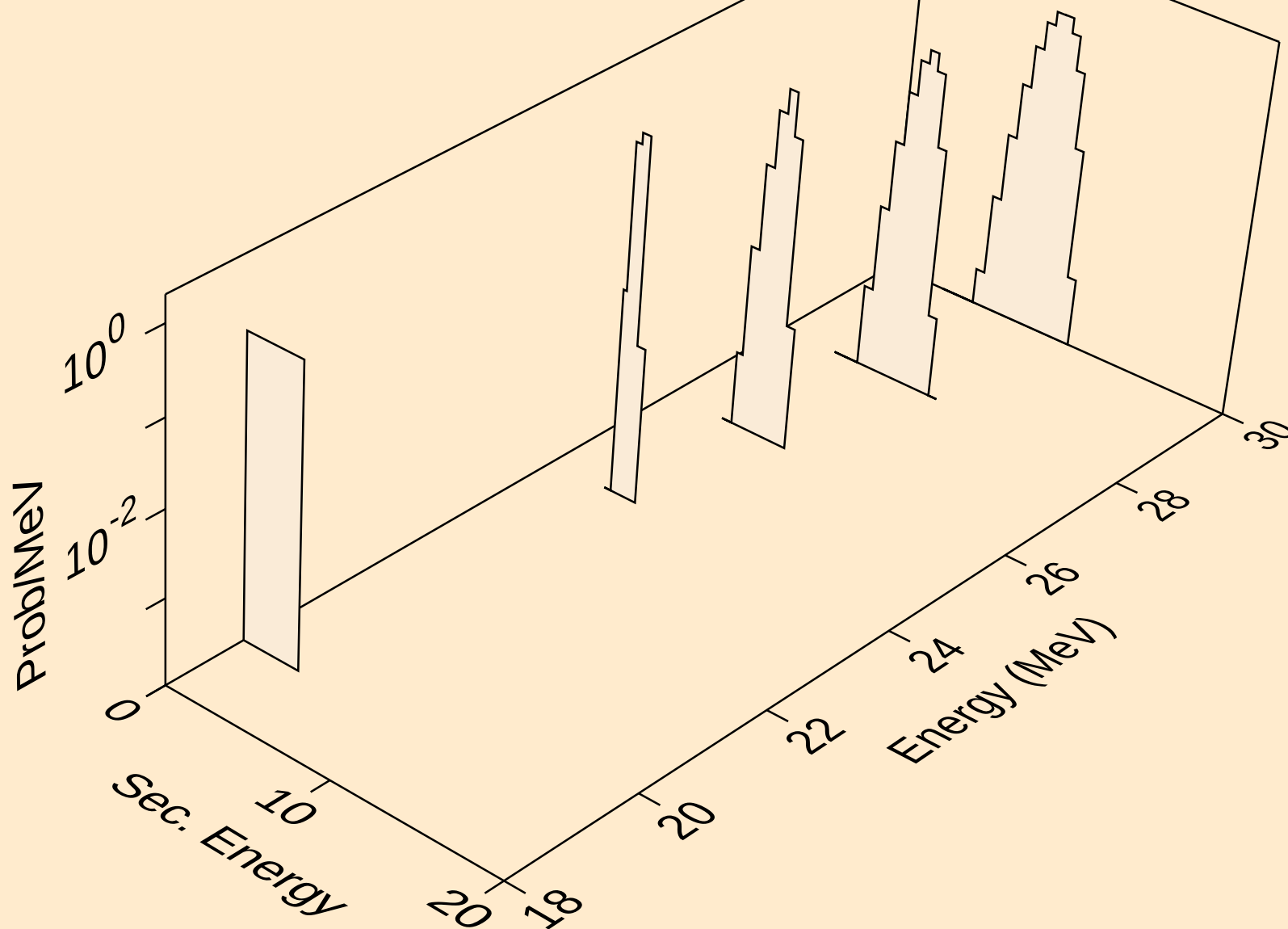


XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,2n)a

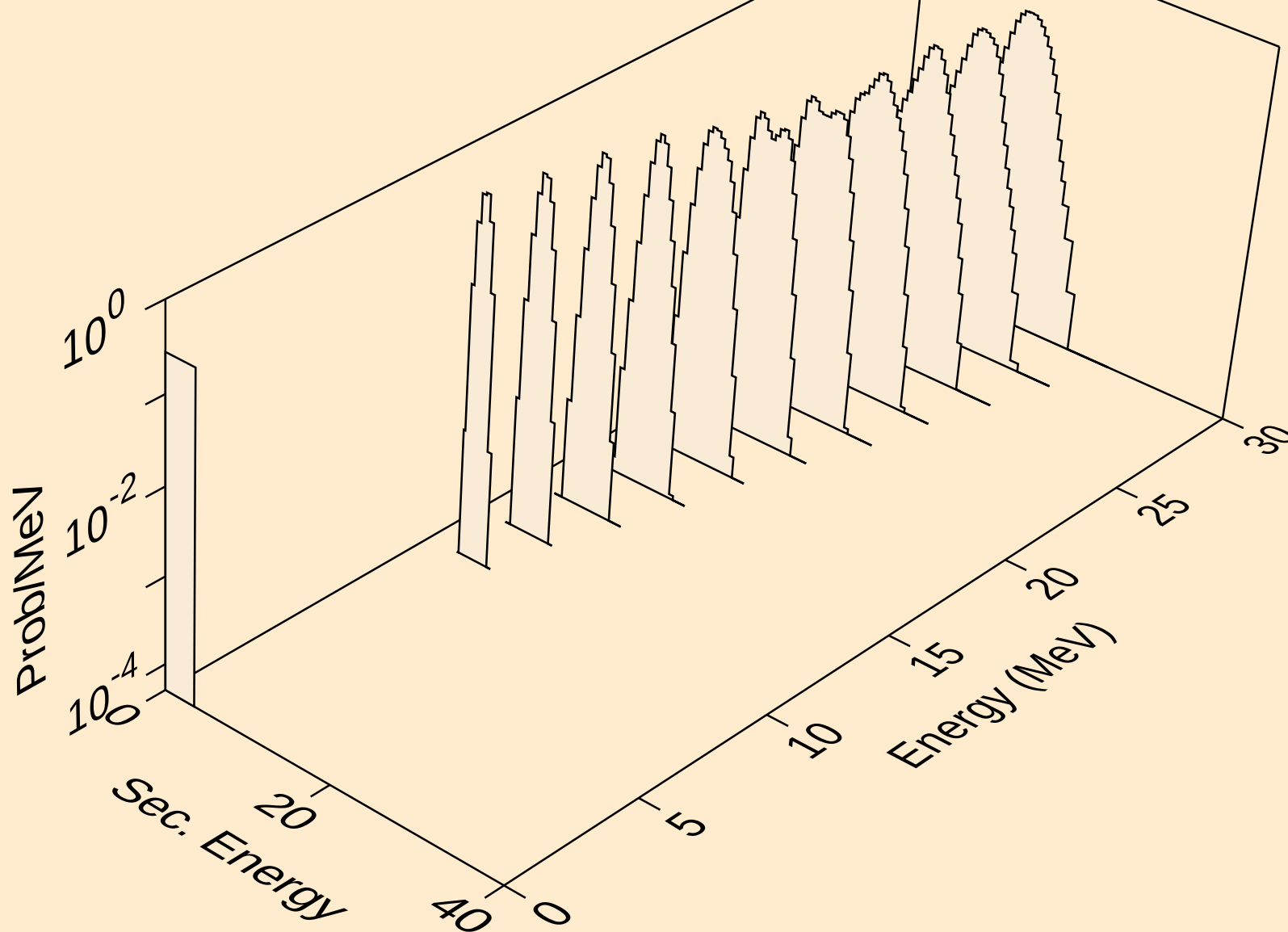




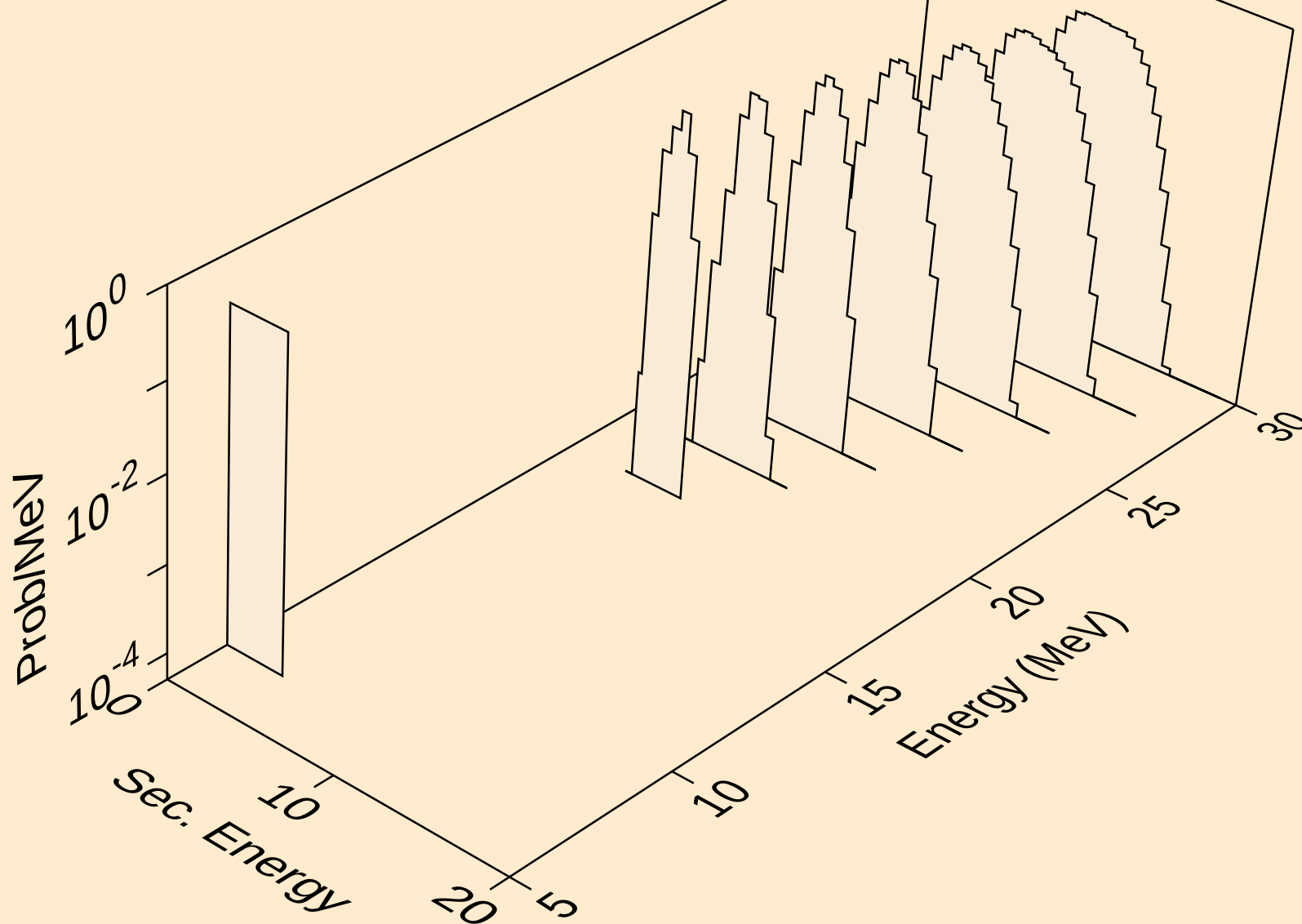
XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,3n)a



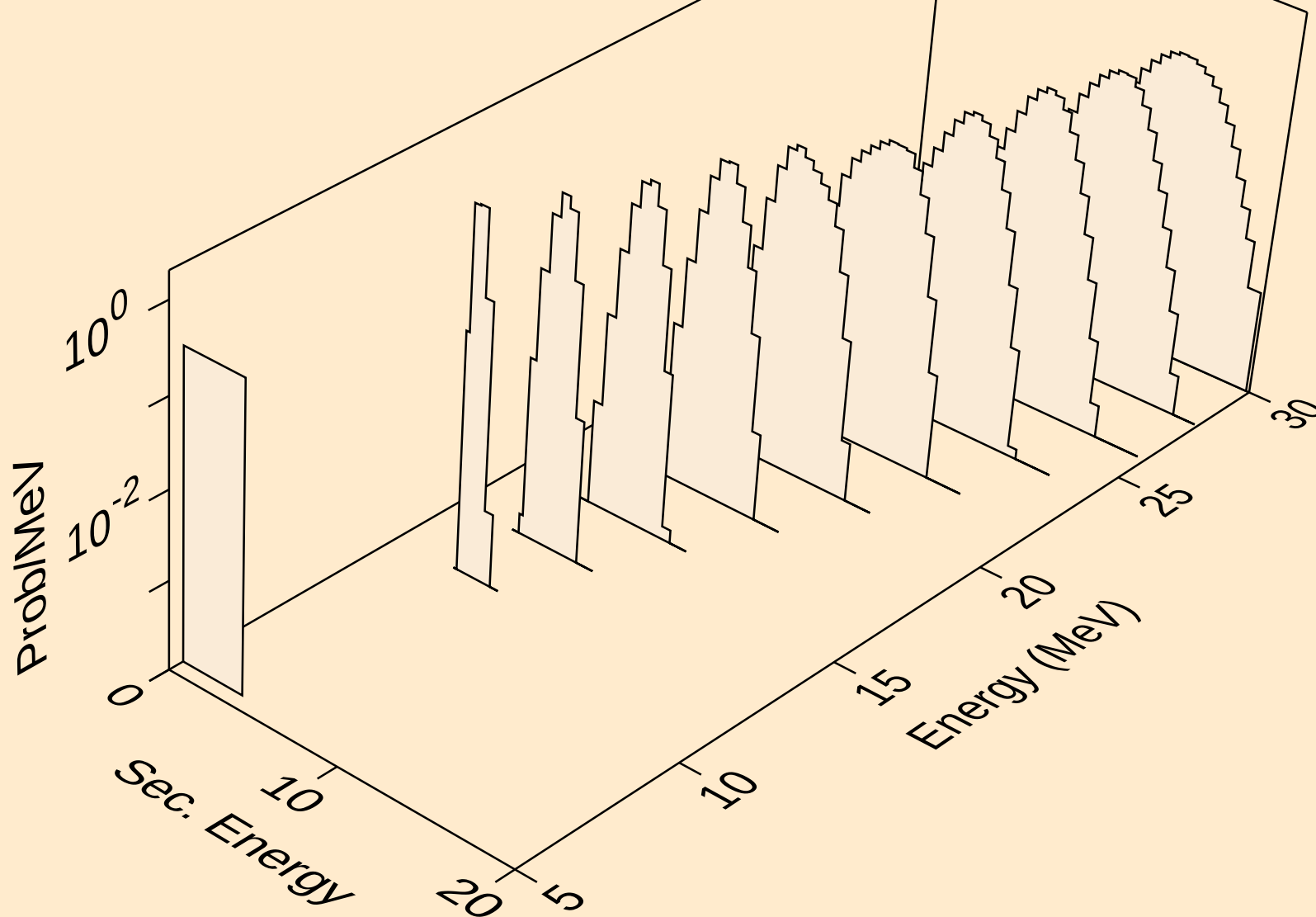
XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,n\*)2a



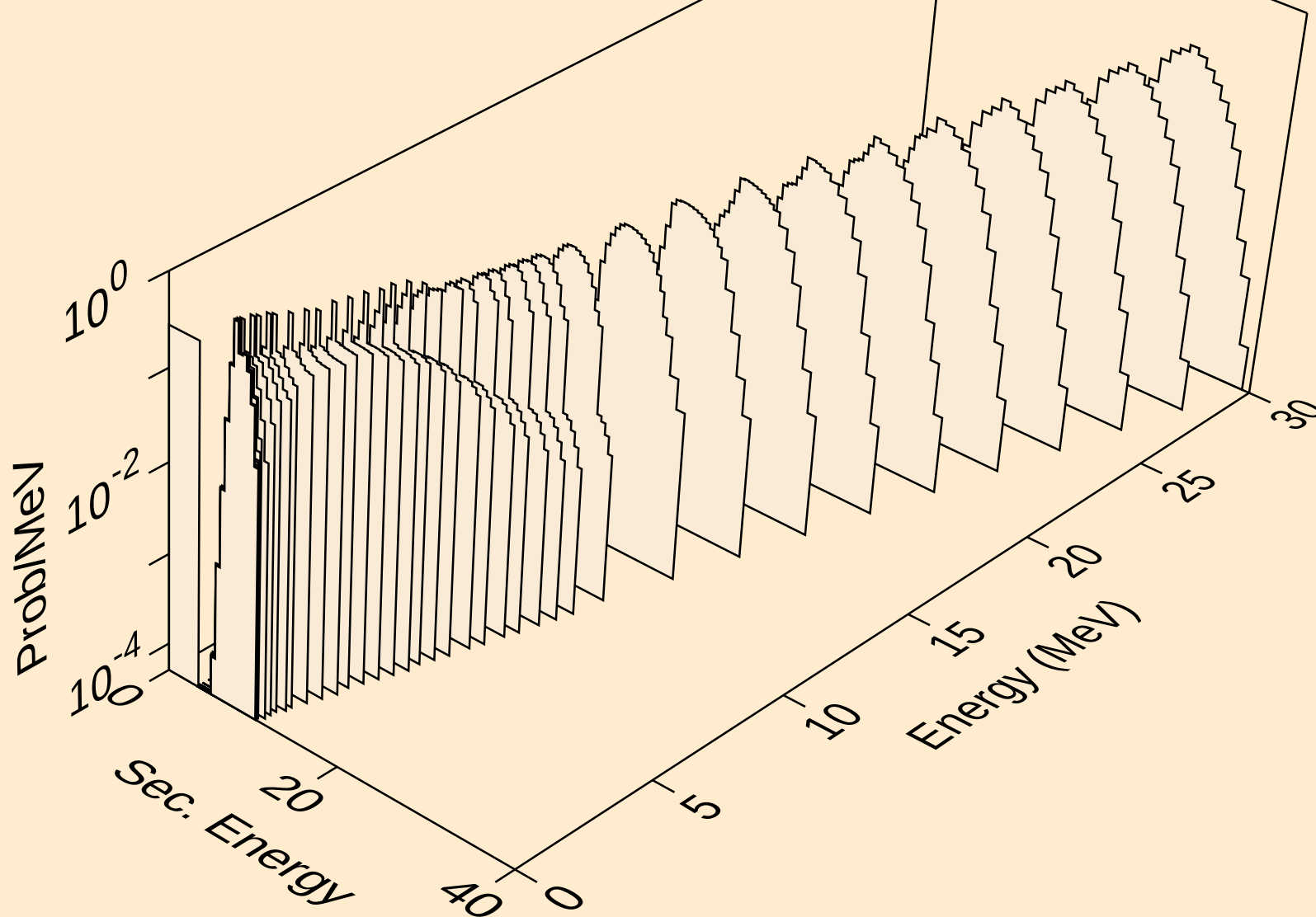
XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,2n)2a



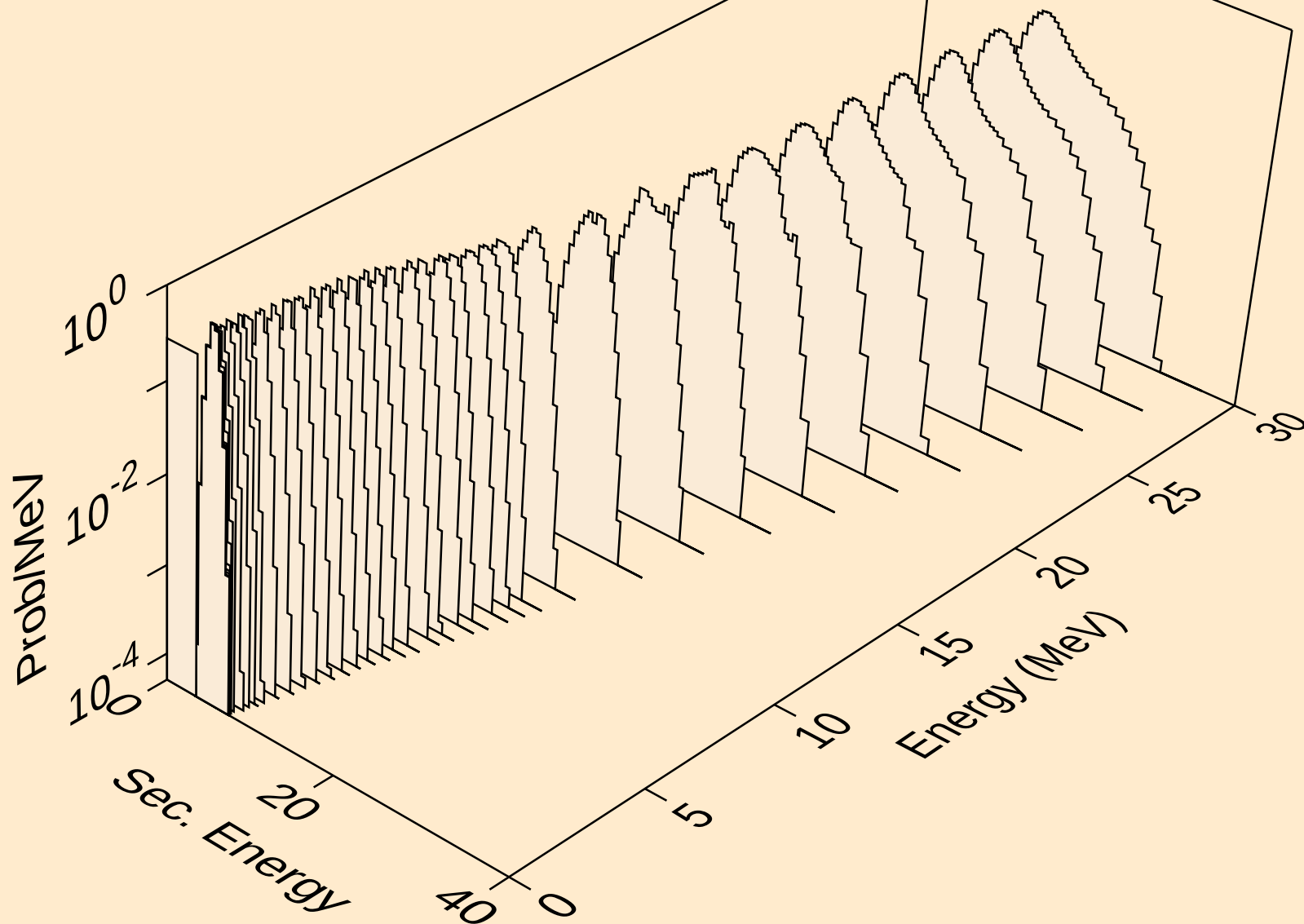
XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,npa)



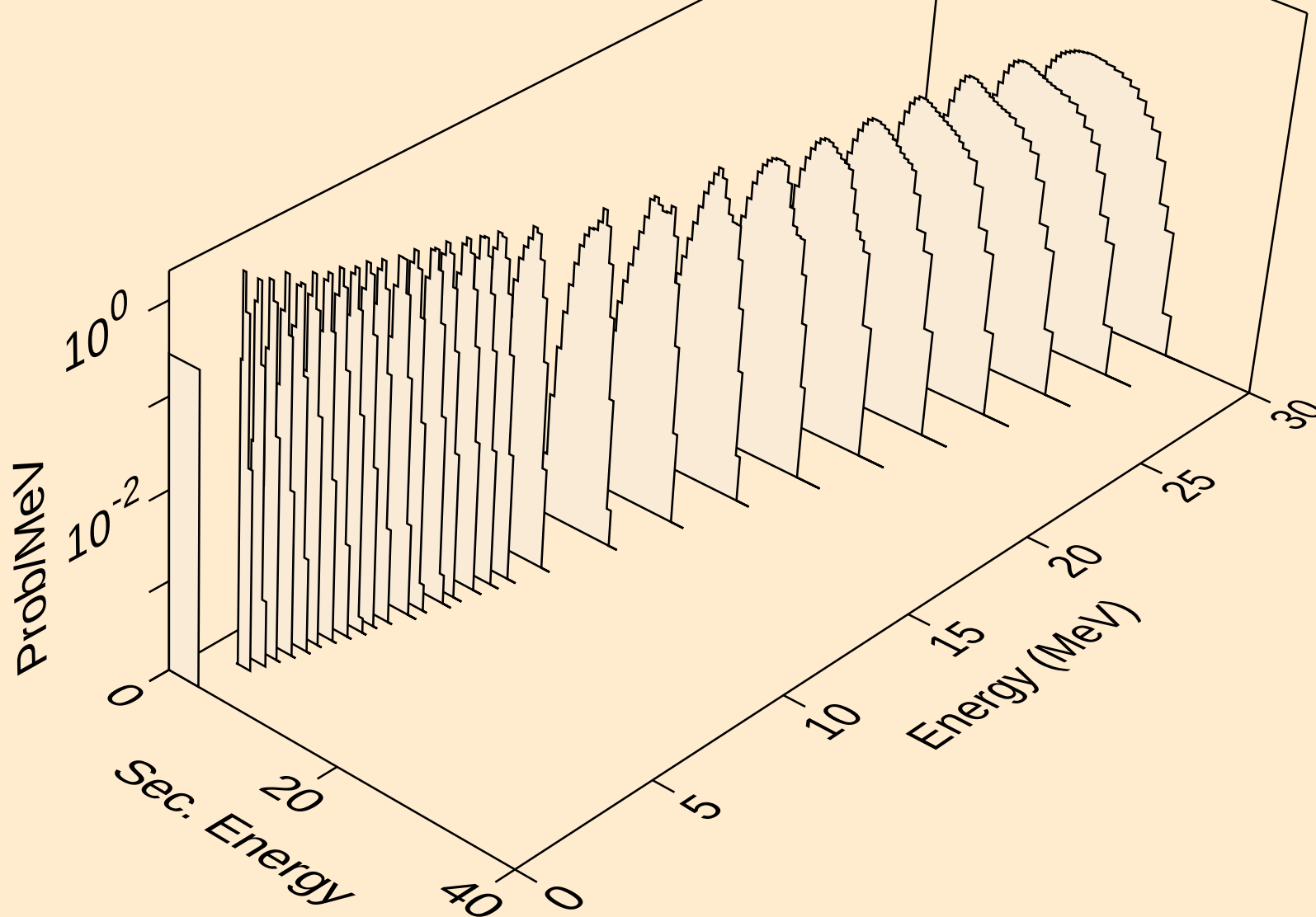
XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,a)



XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,2a)



XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,pa)



XE121 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,da)

