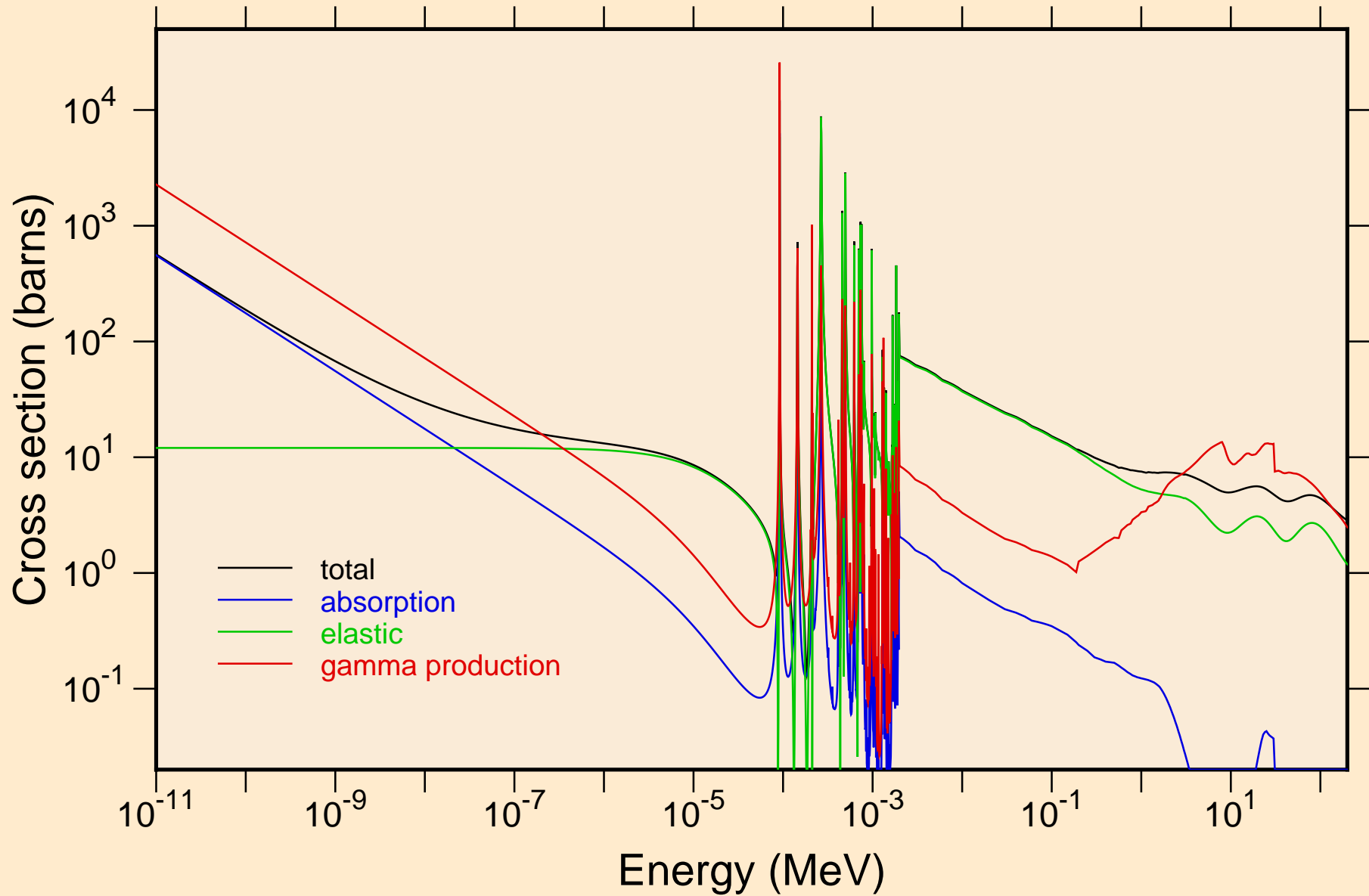
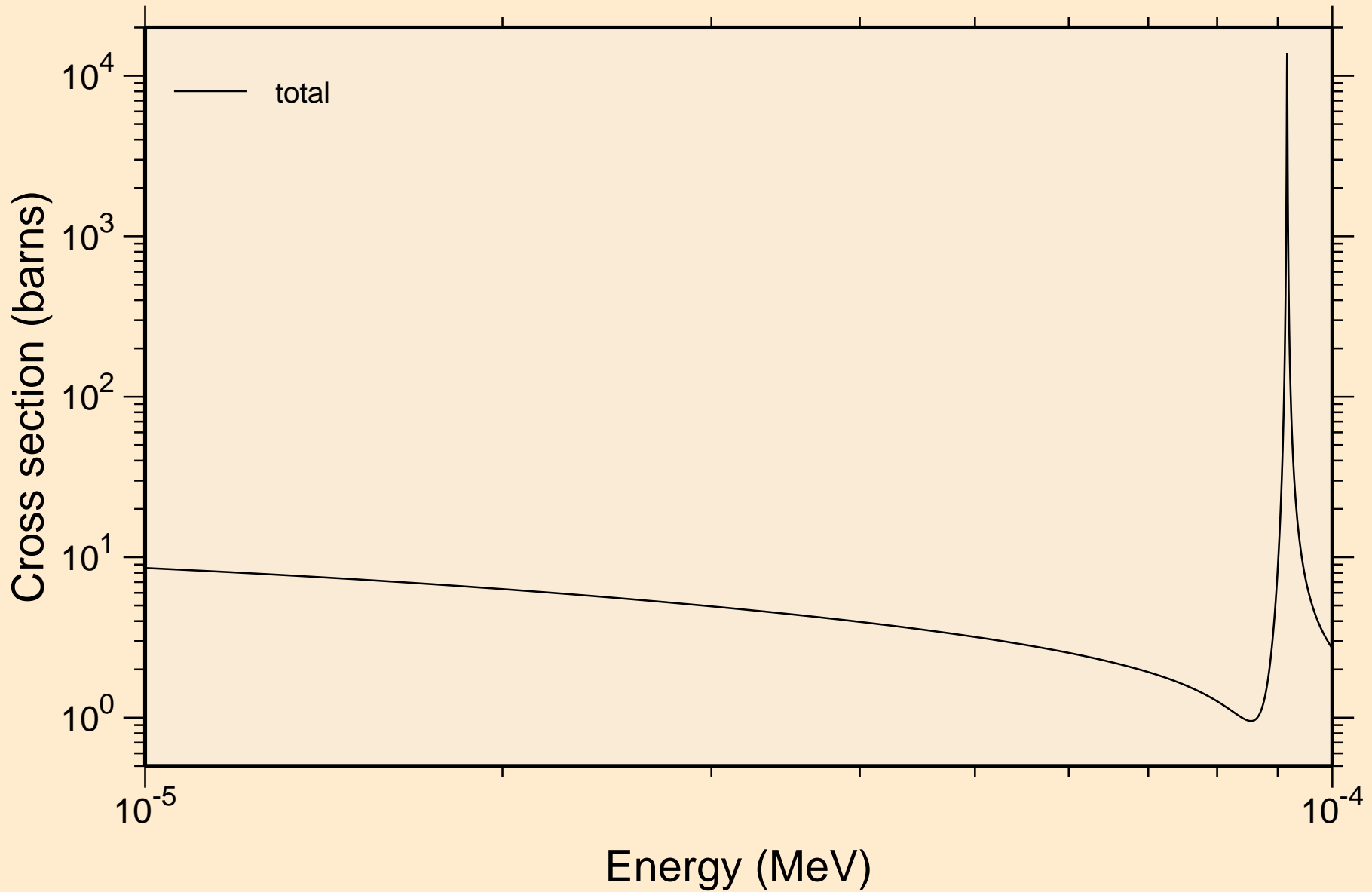


# OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

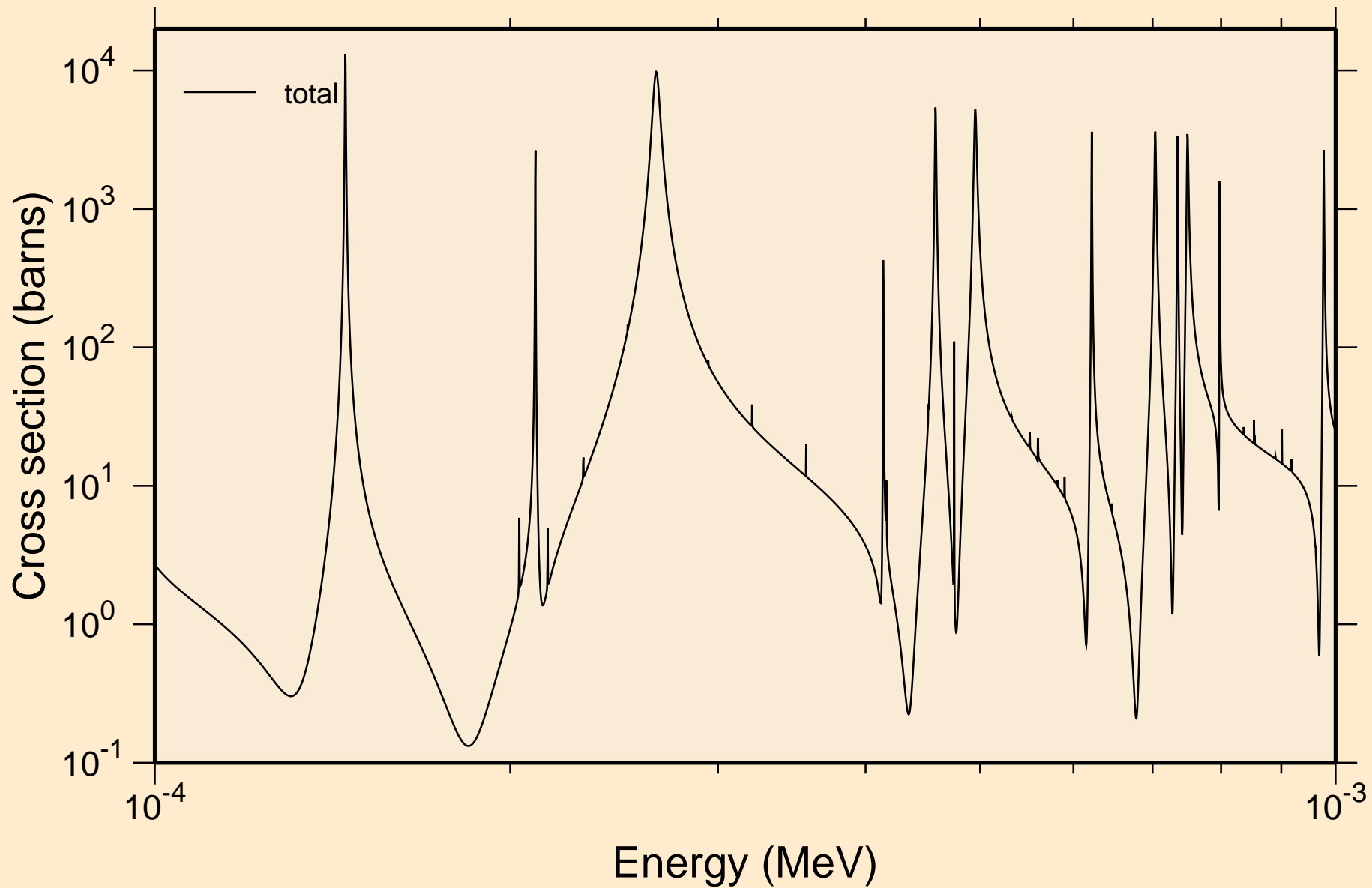
## Principal cross sections



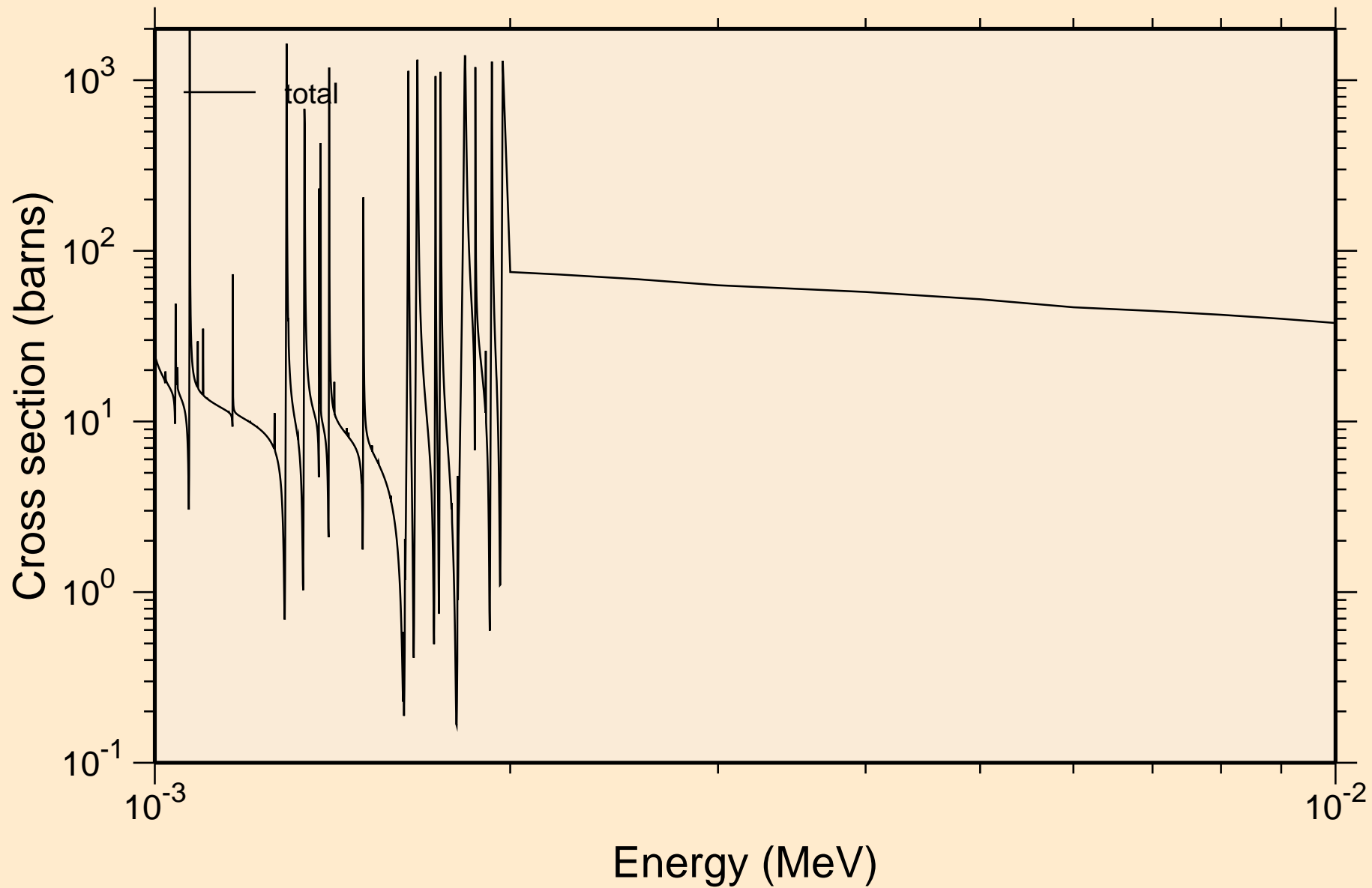
OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



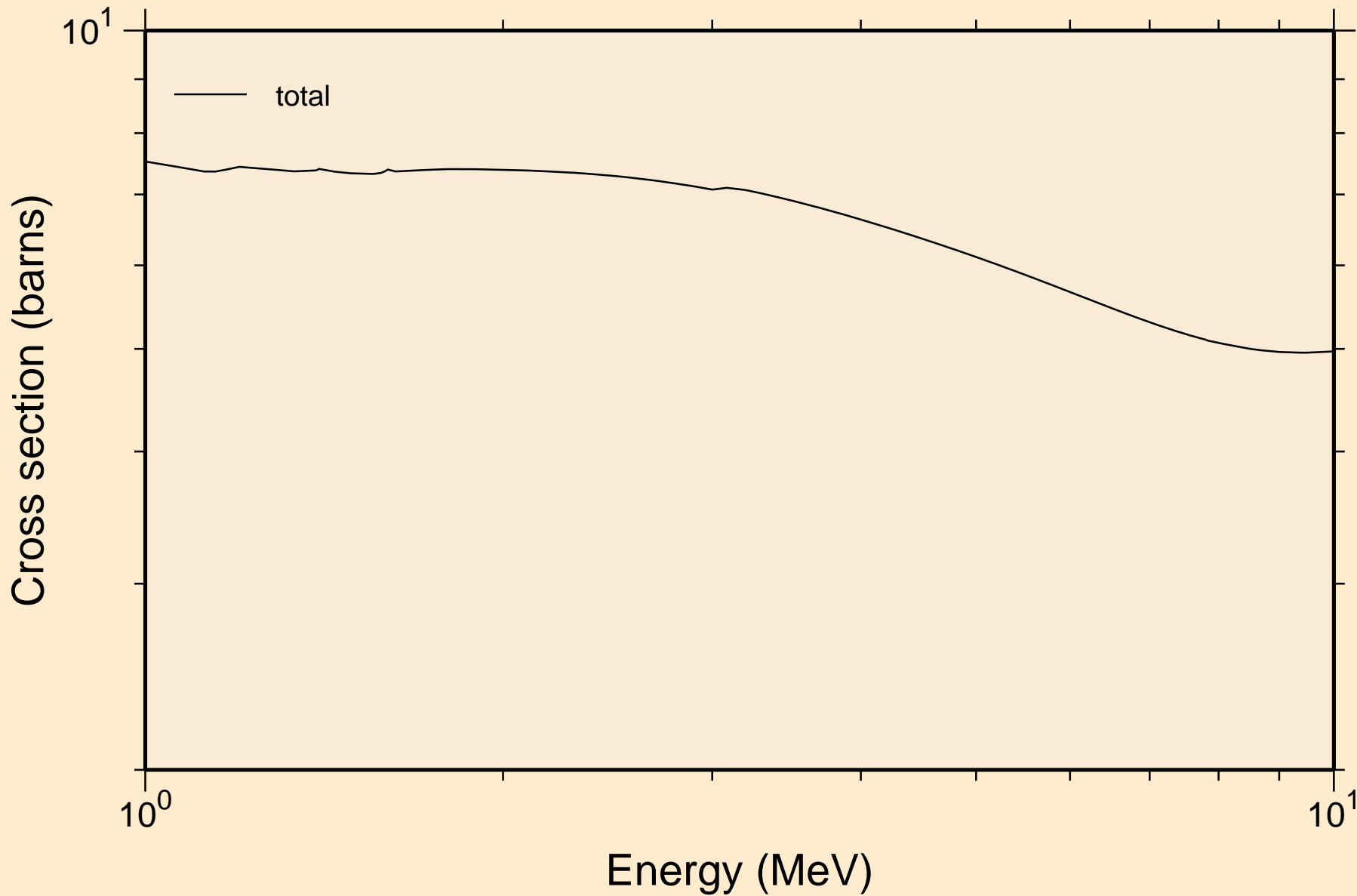
OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



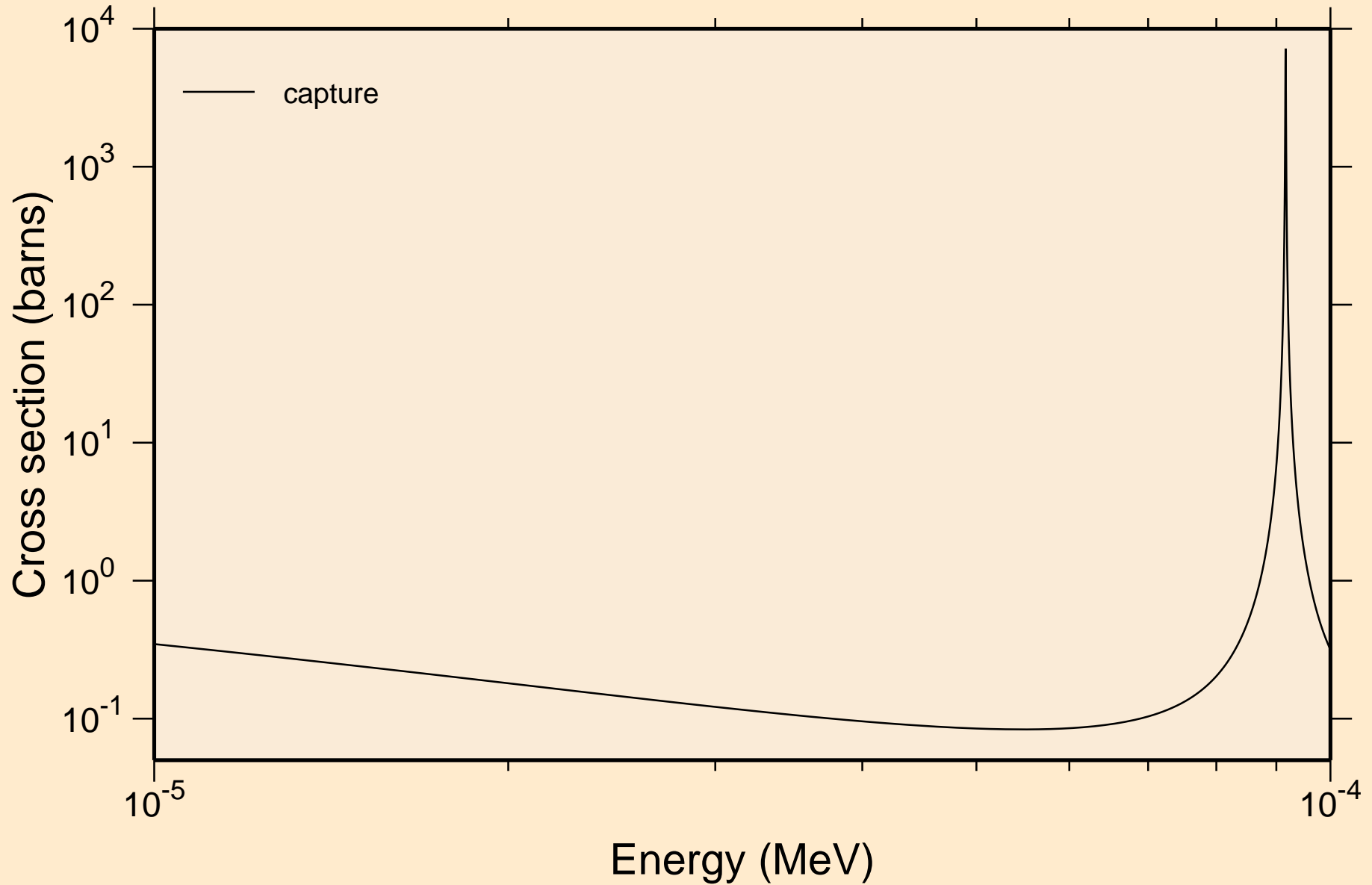
OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



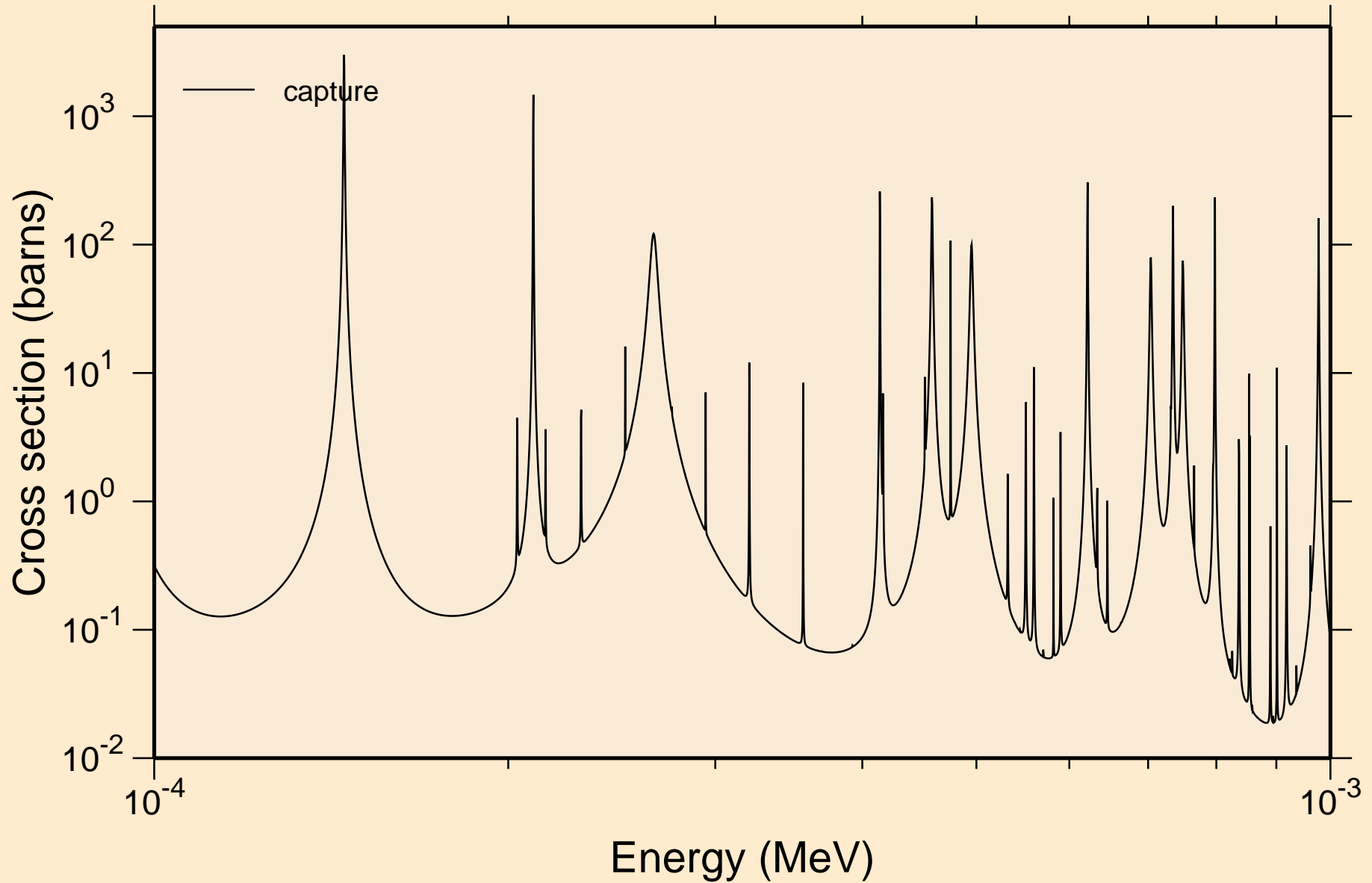
OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



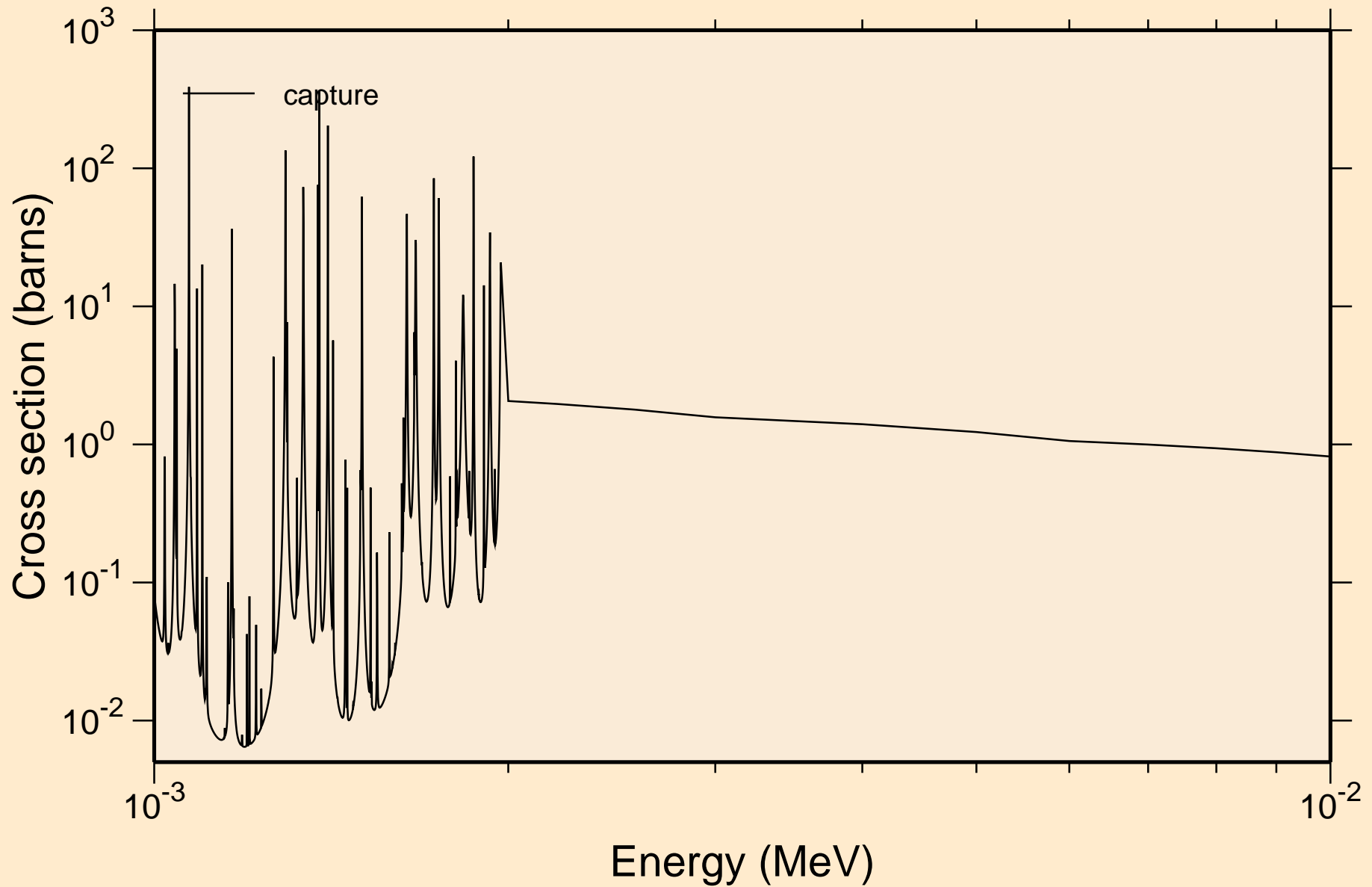
OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

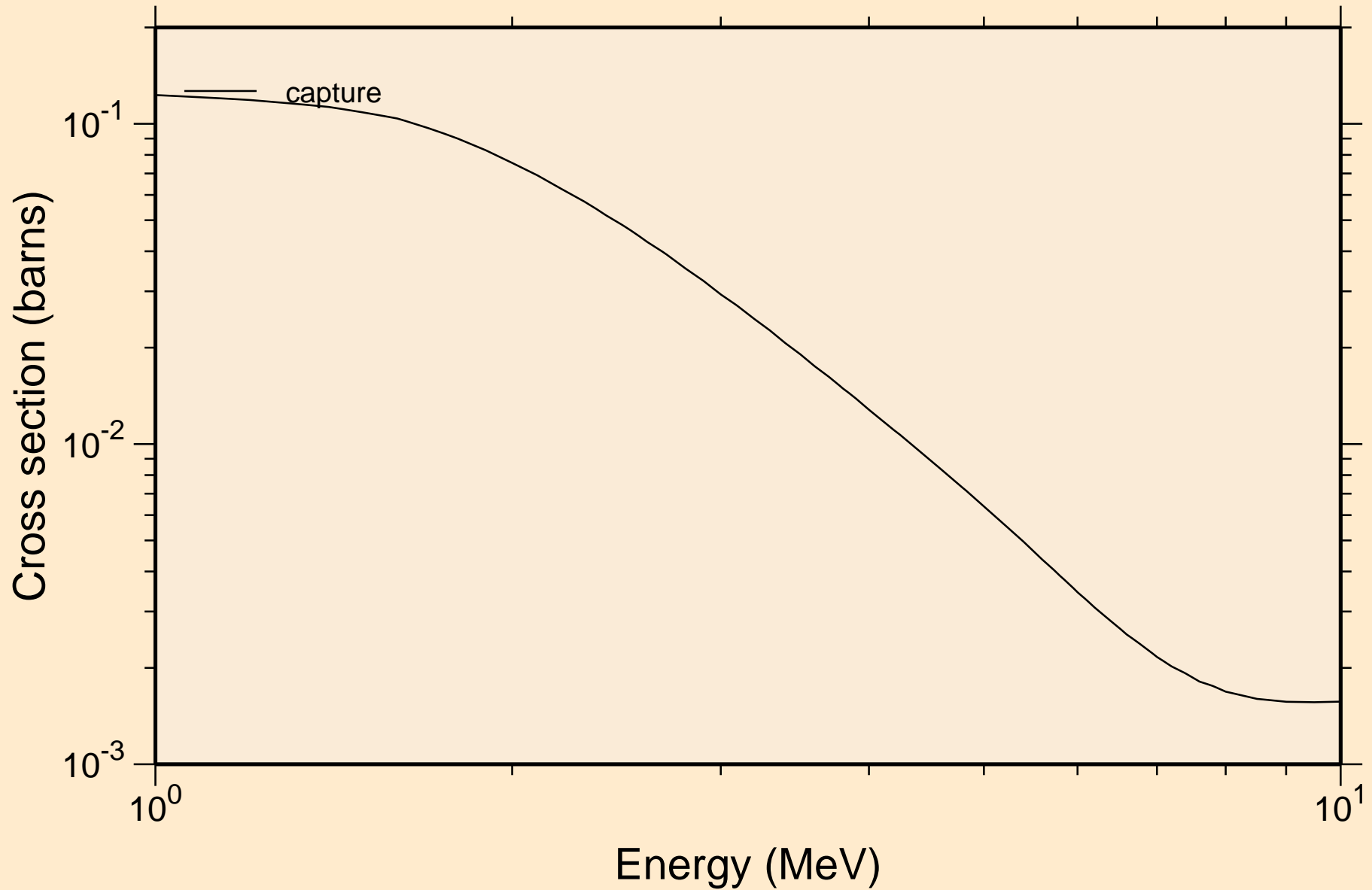


OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

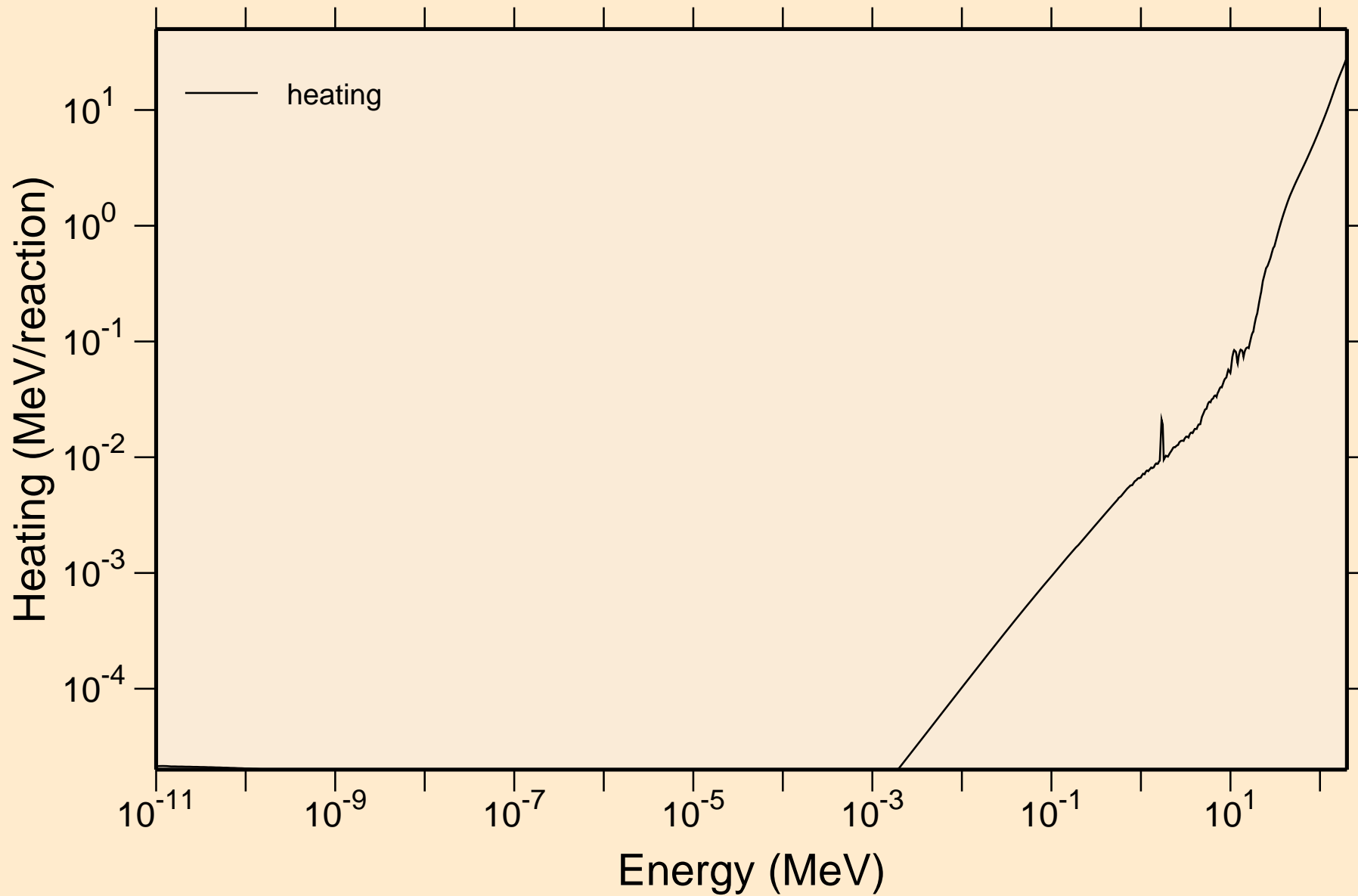




OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

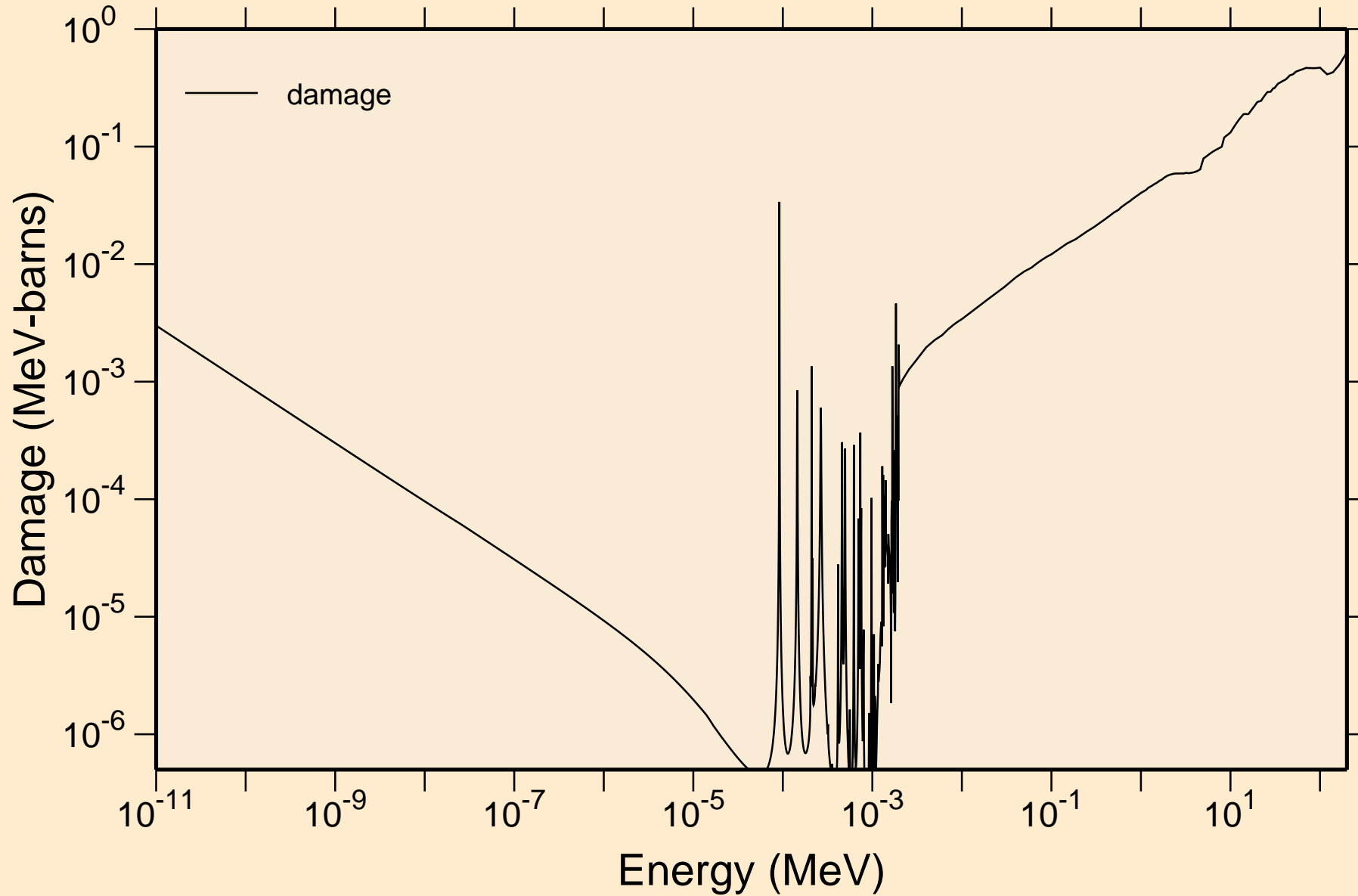


OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Heating



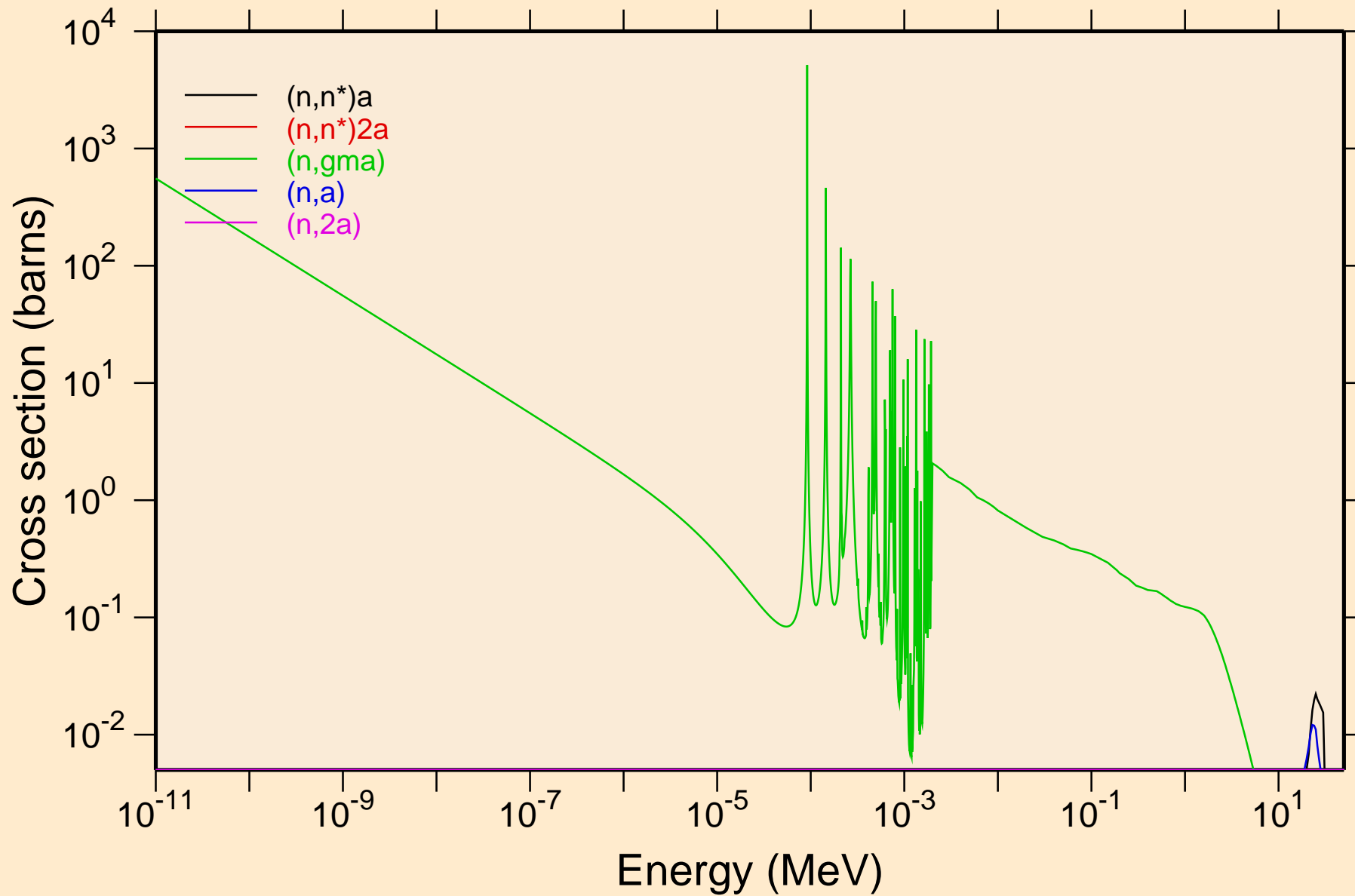
# OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Damage

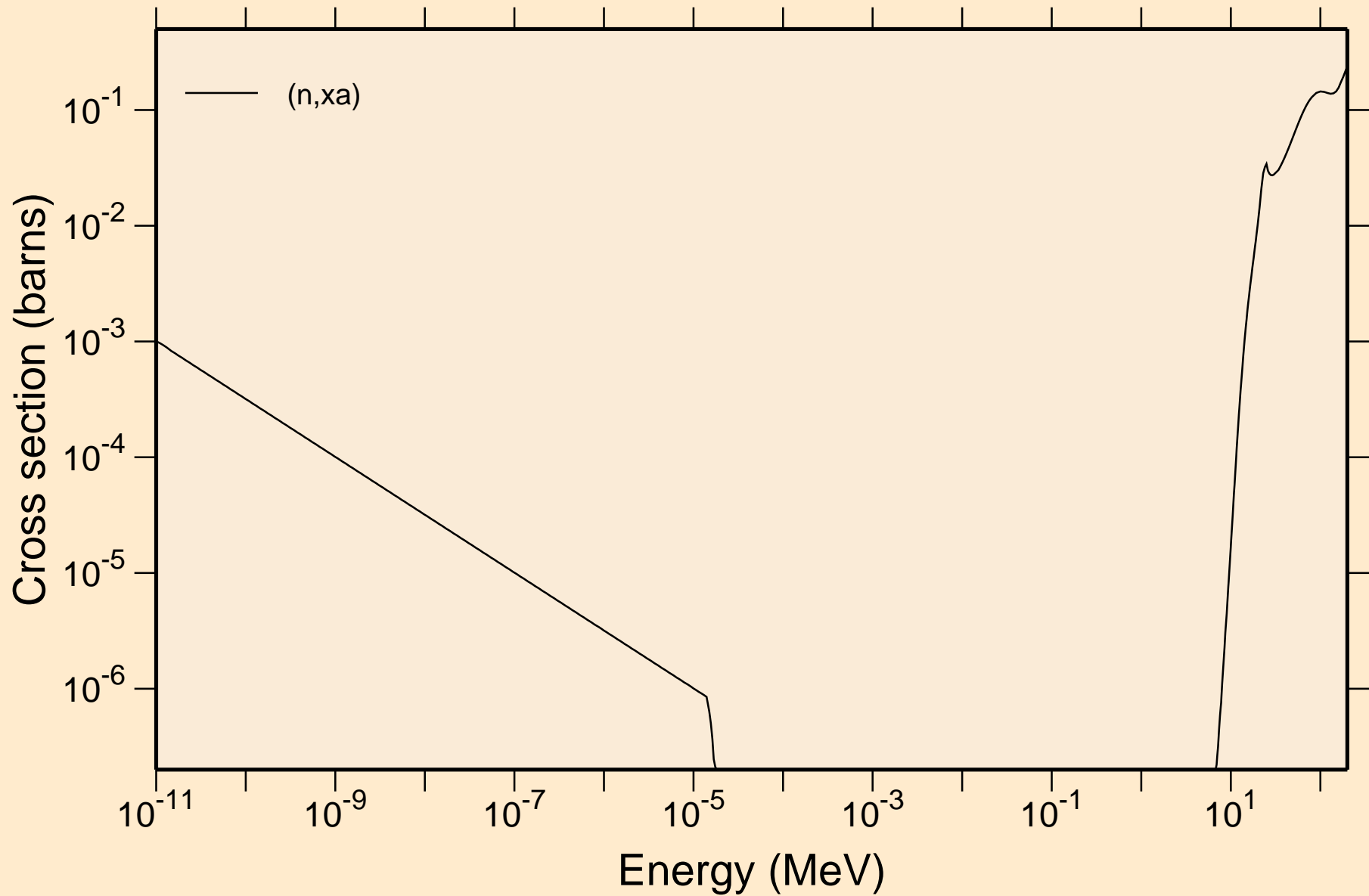


# OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Non-threshold reactions

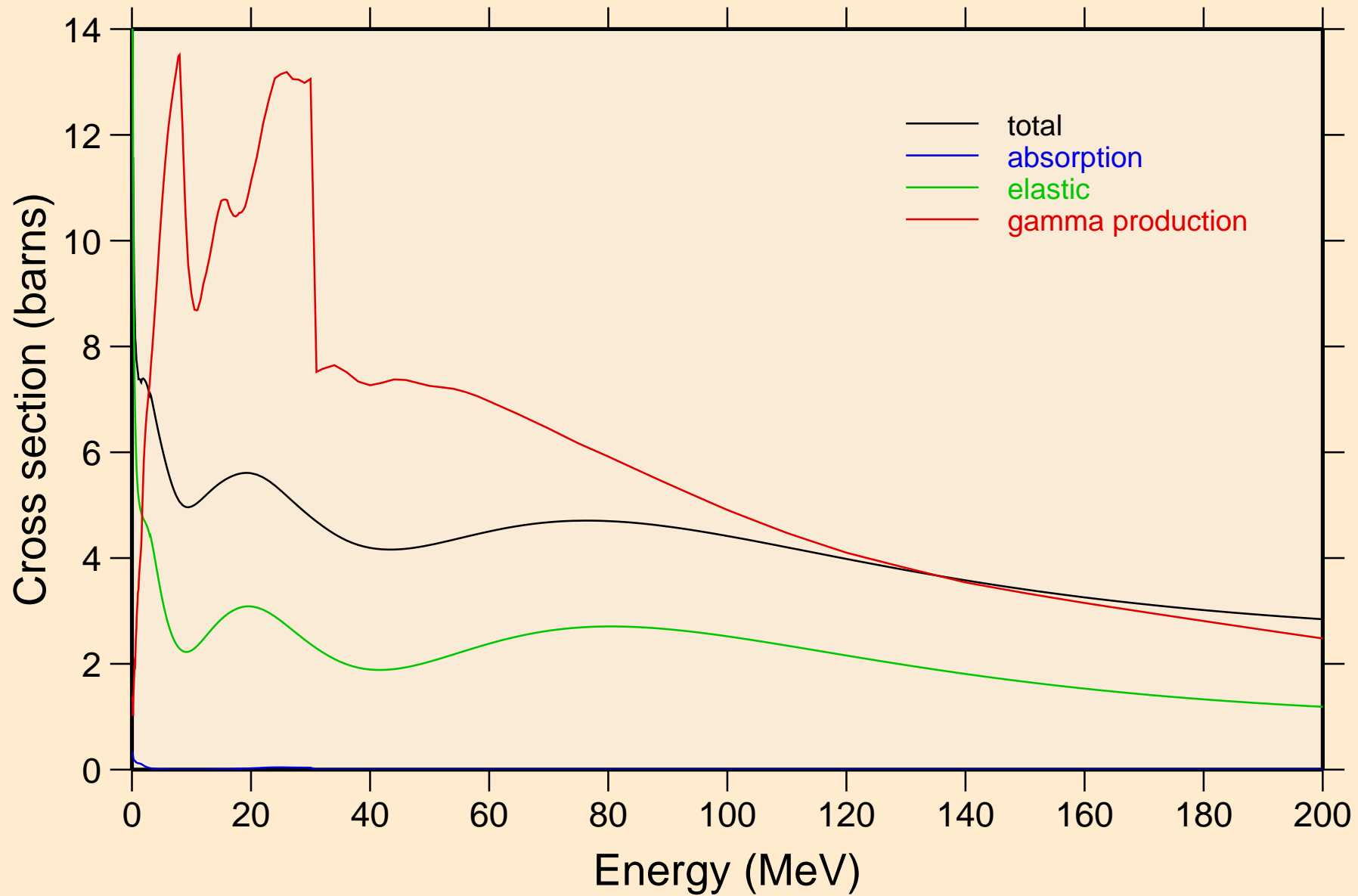


OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



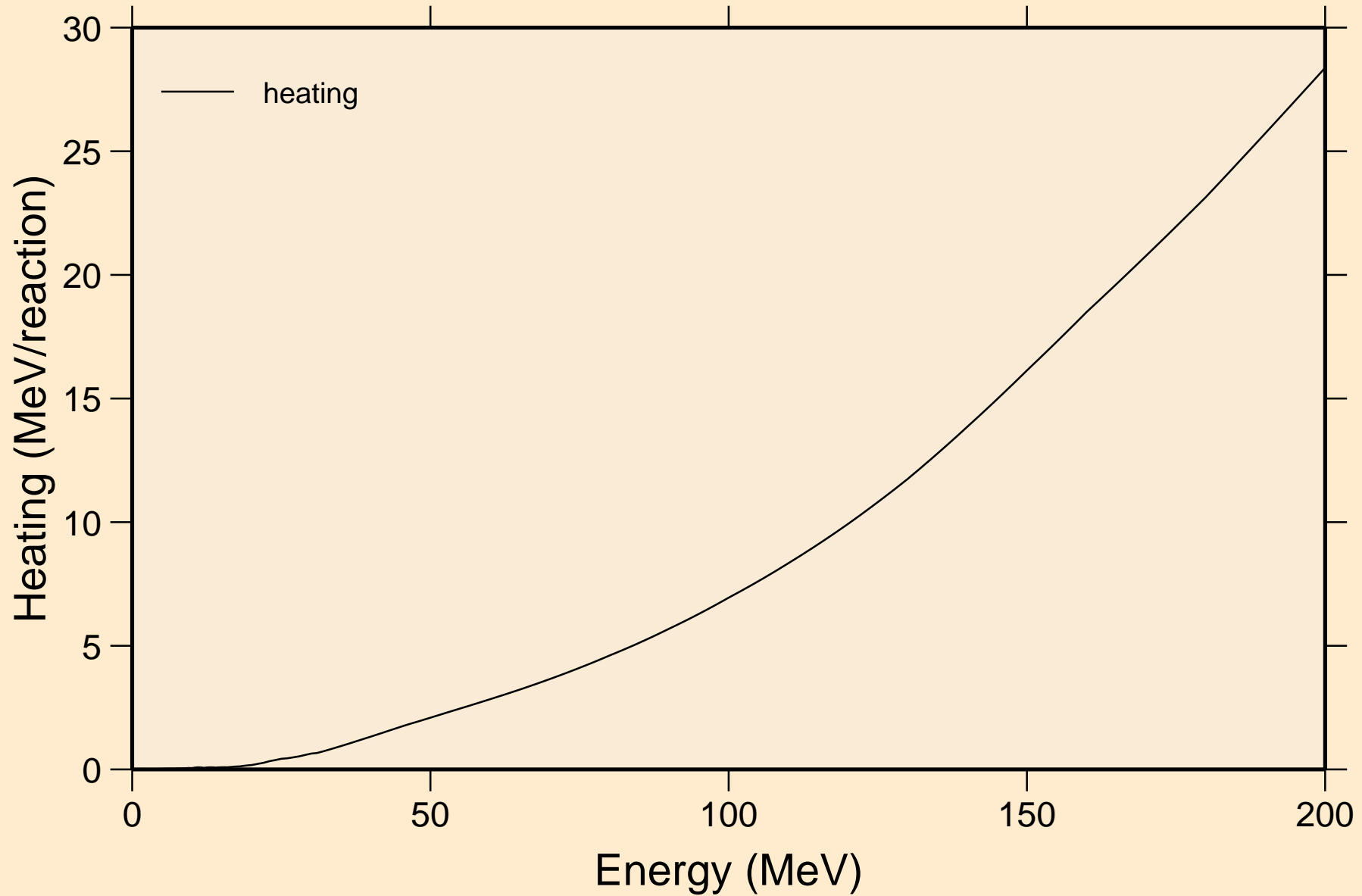
# OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections

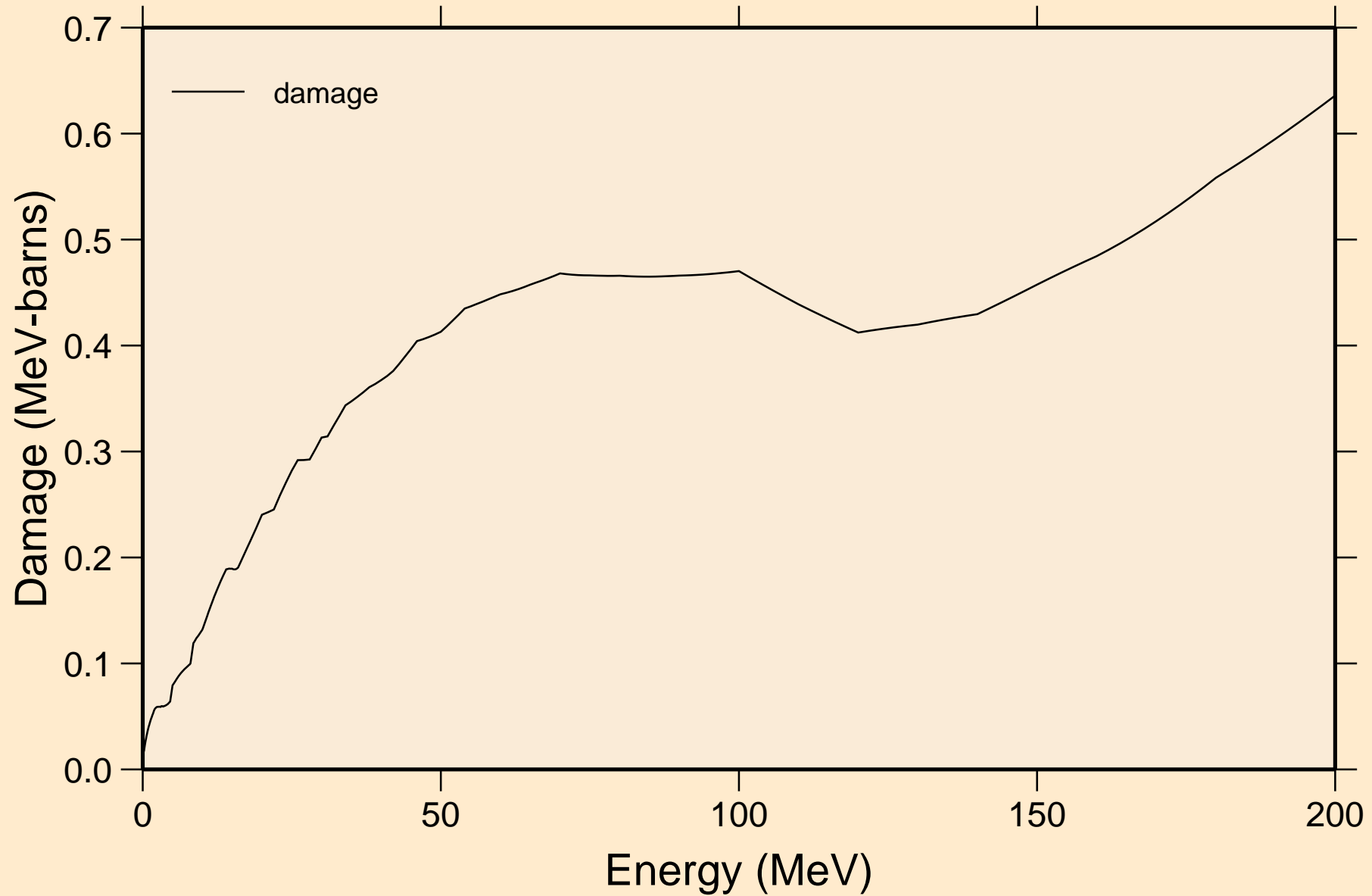


# OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Heating



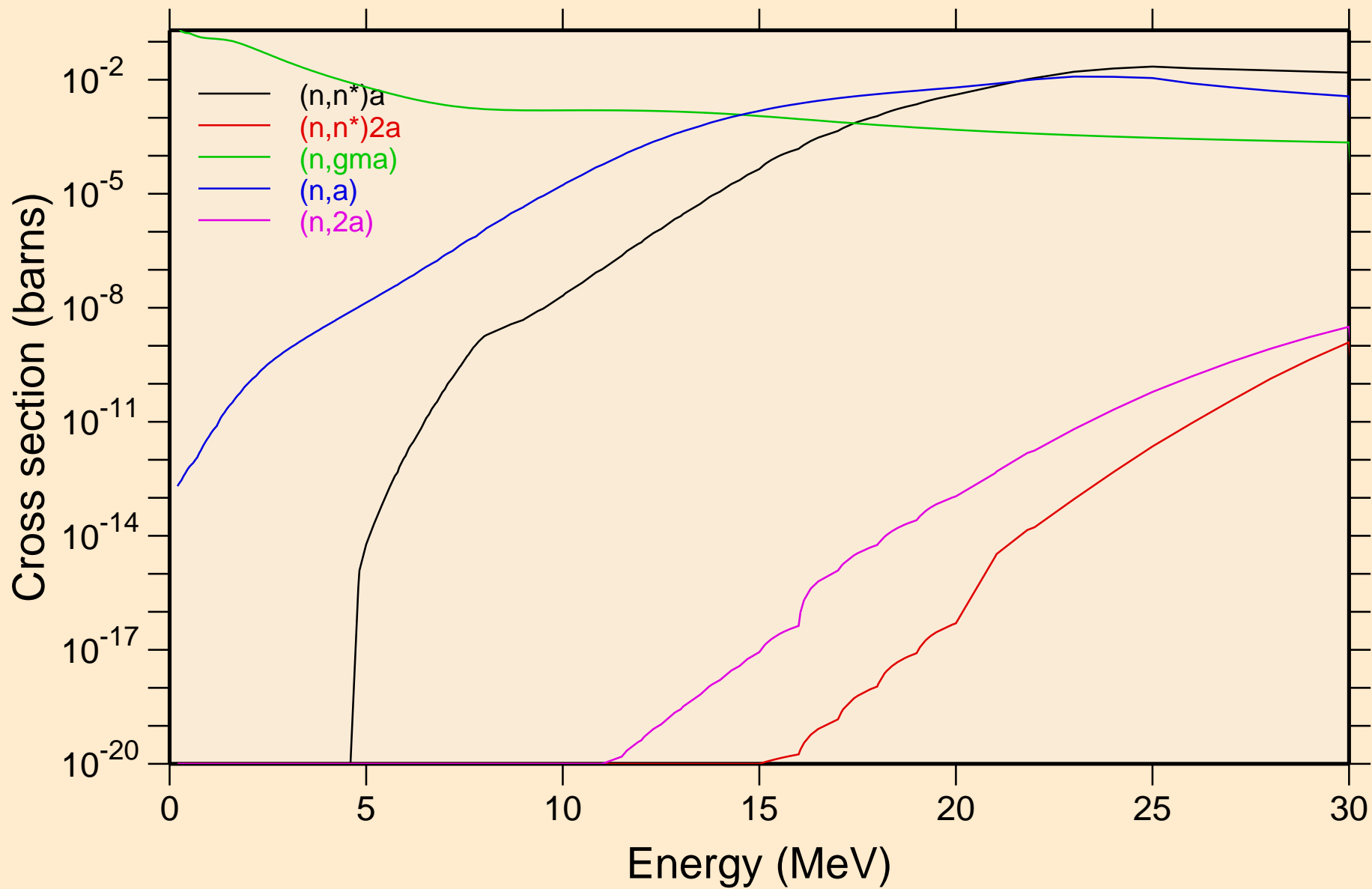
OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Damage



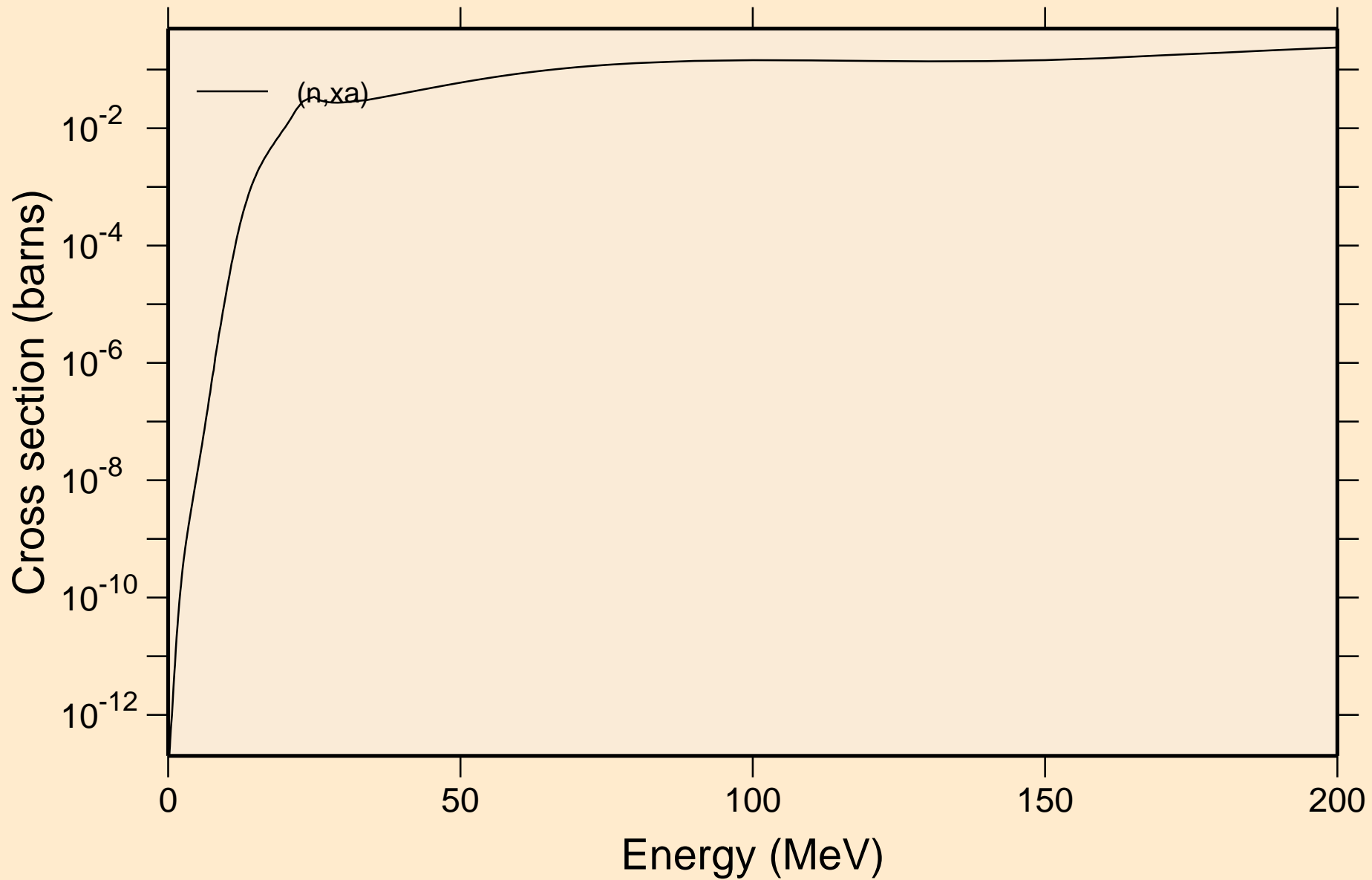


# OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

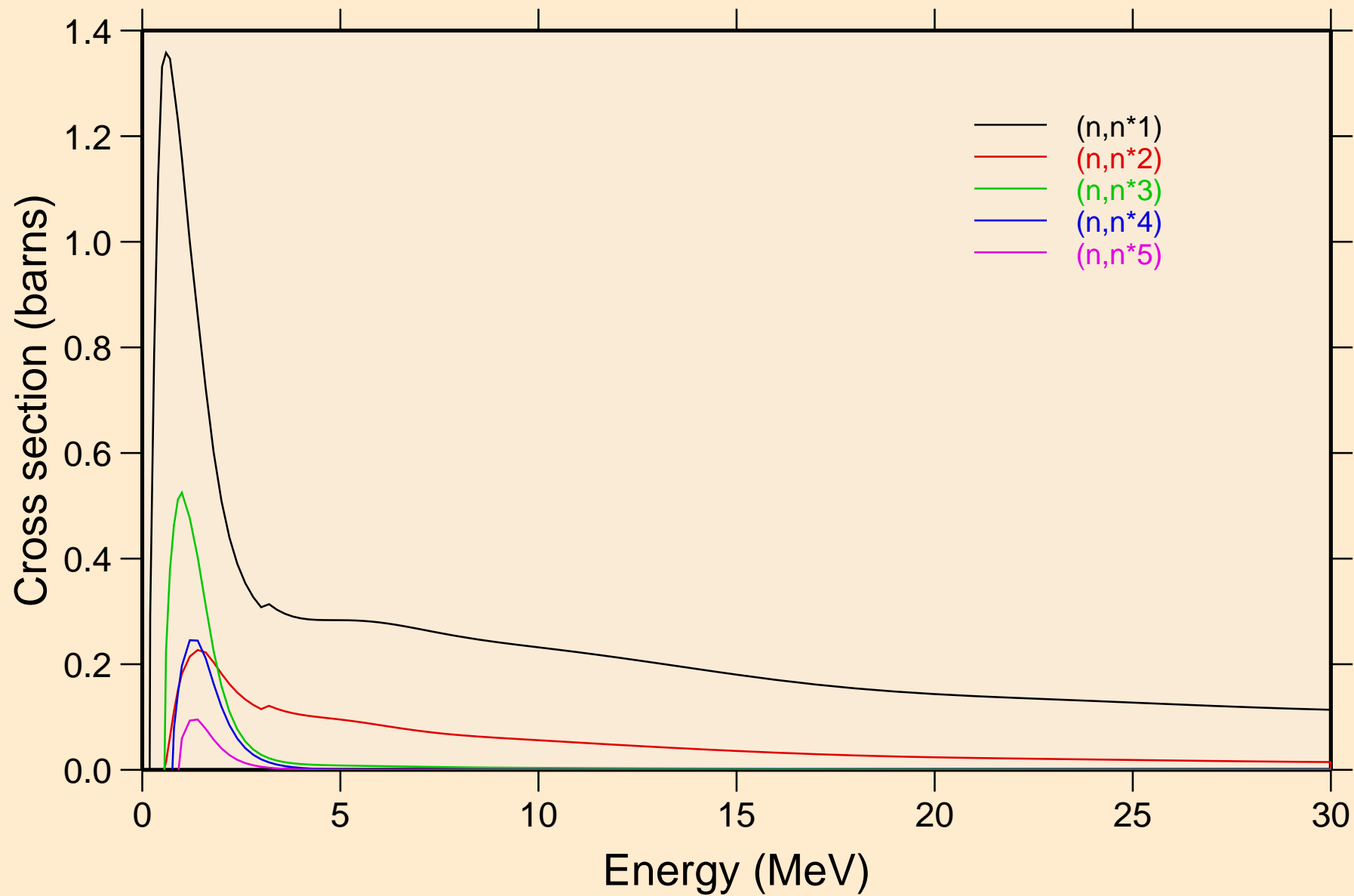
## Non-threshold reactions



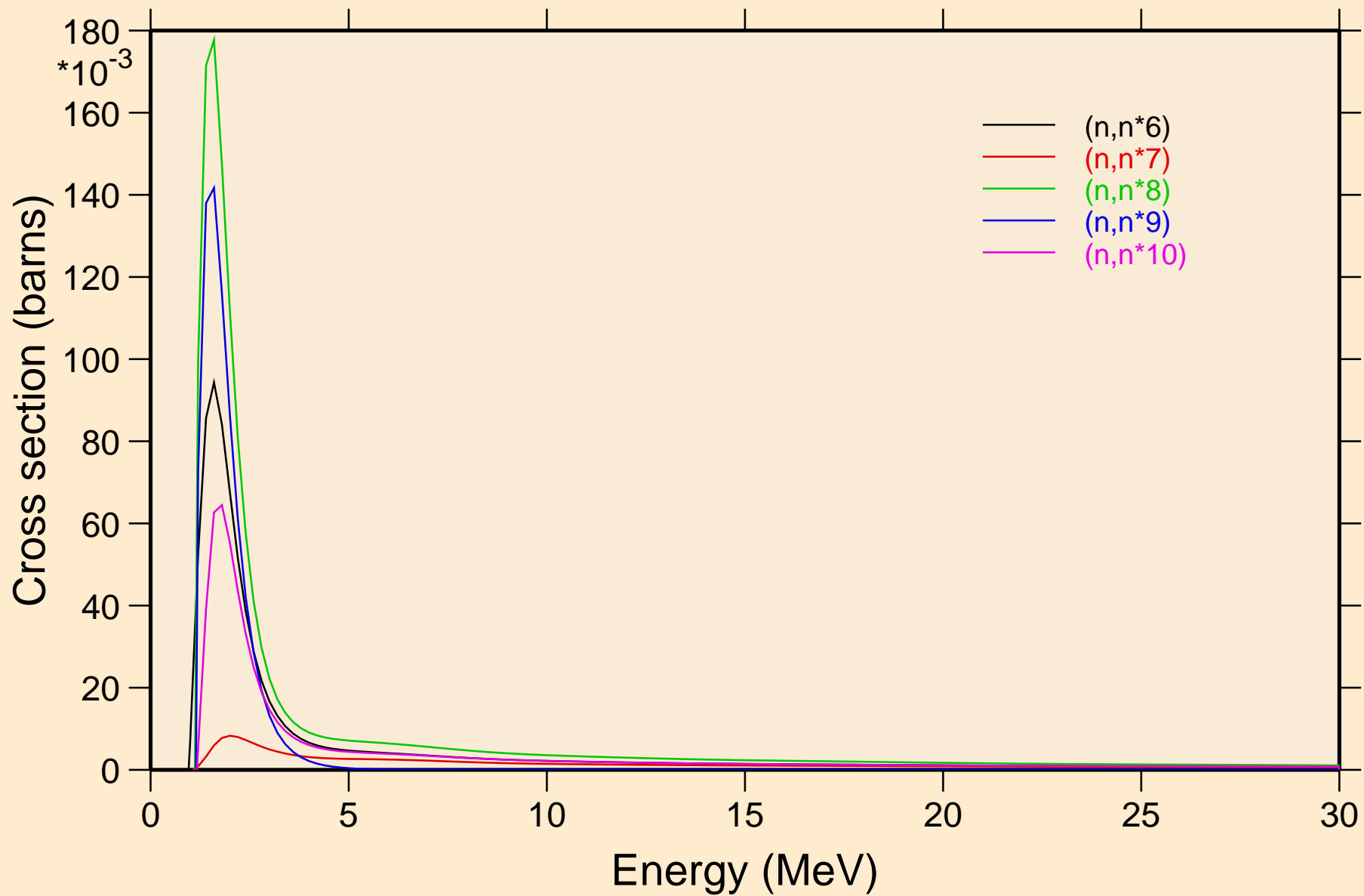
OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



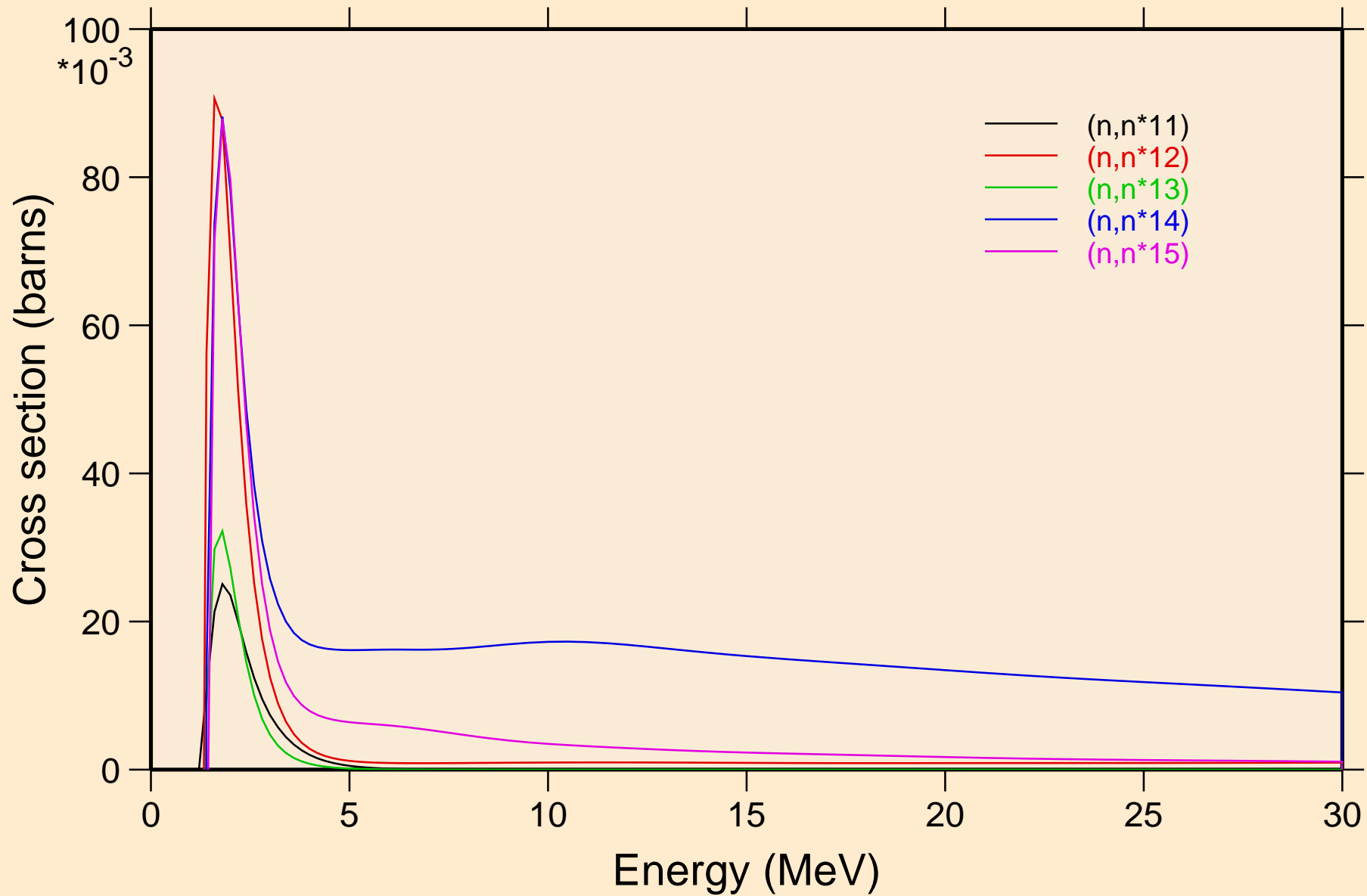
OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



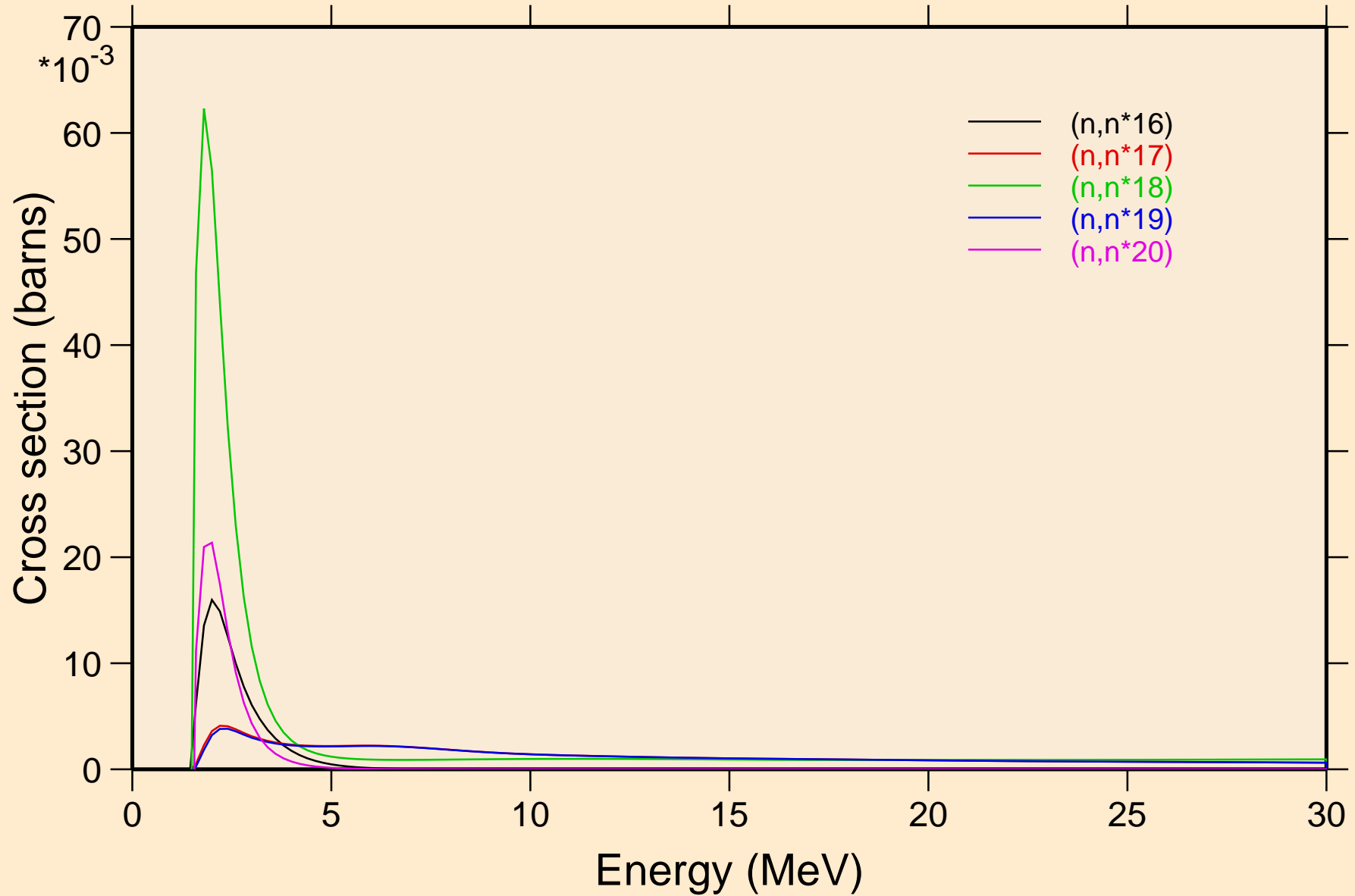
OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



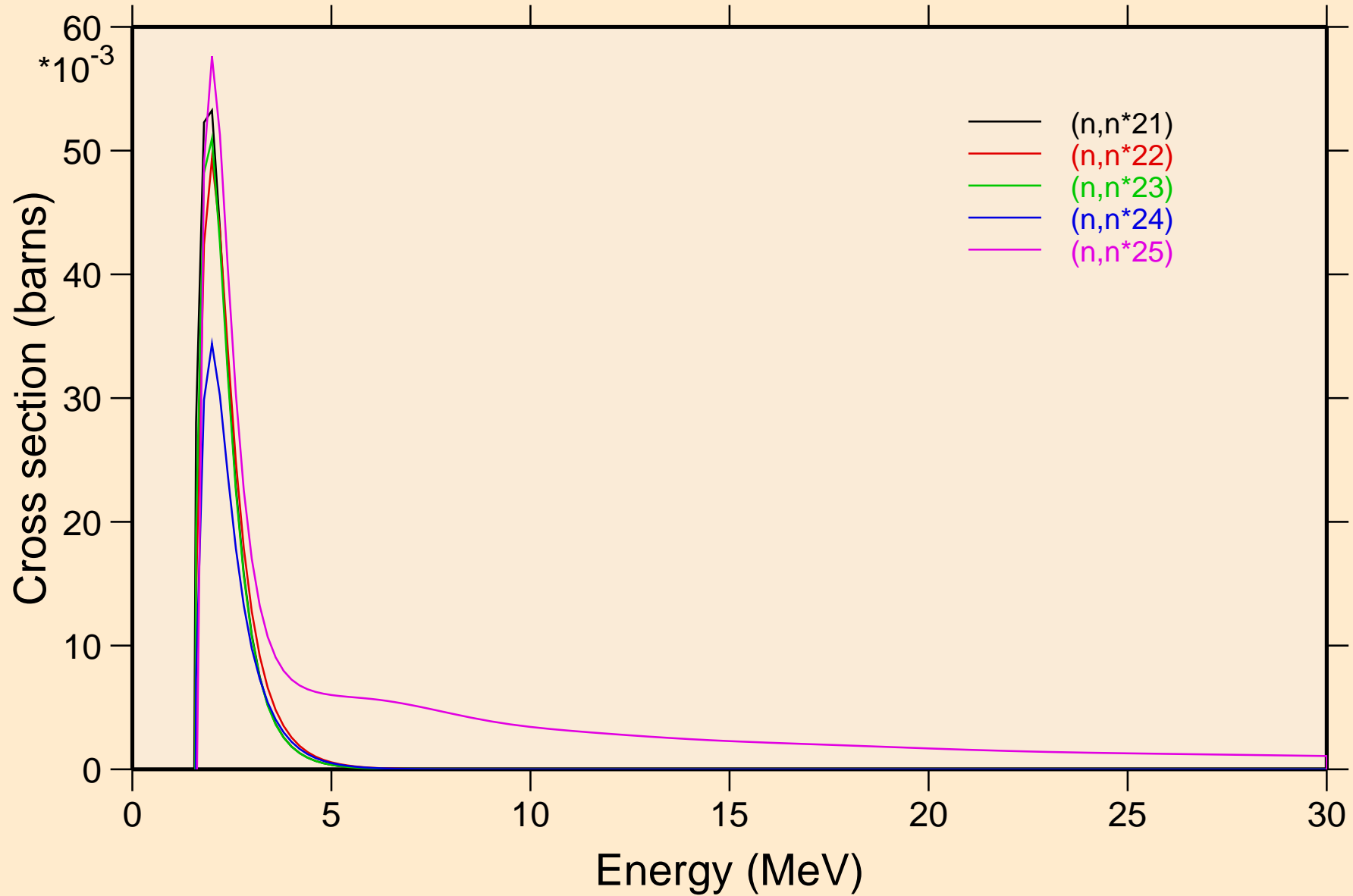
OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

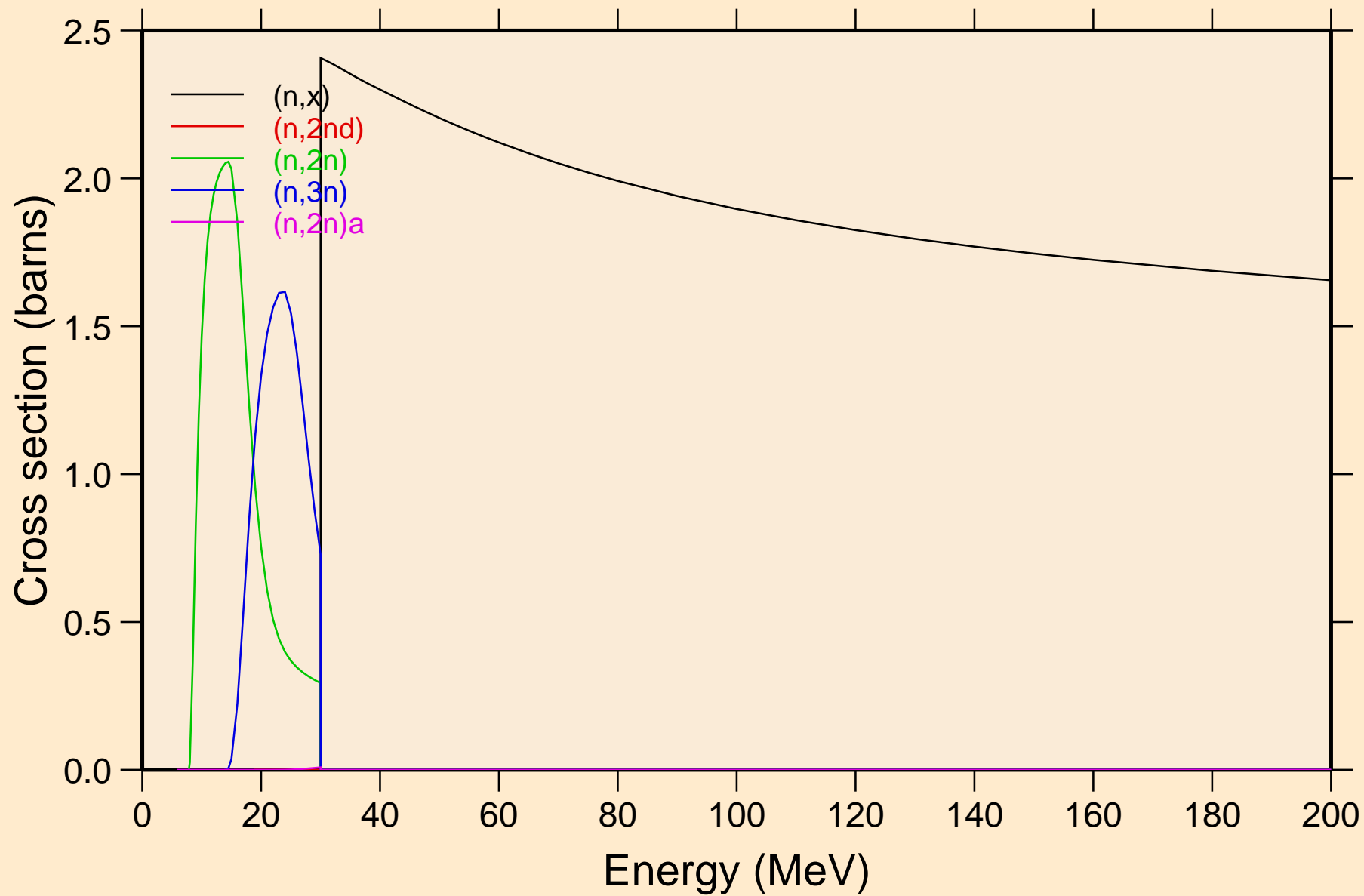


OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



# OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

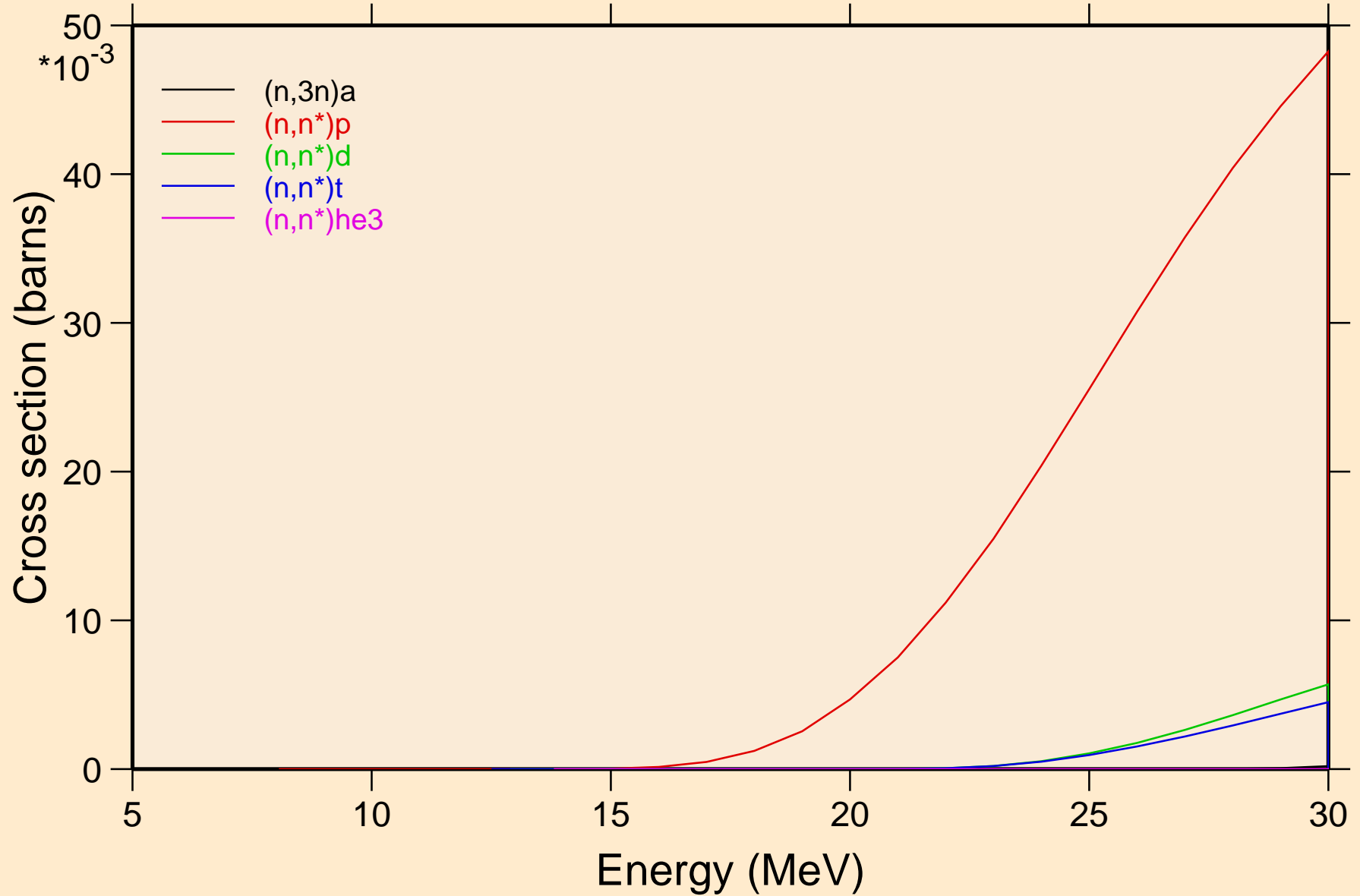
## Threshold reactions





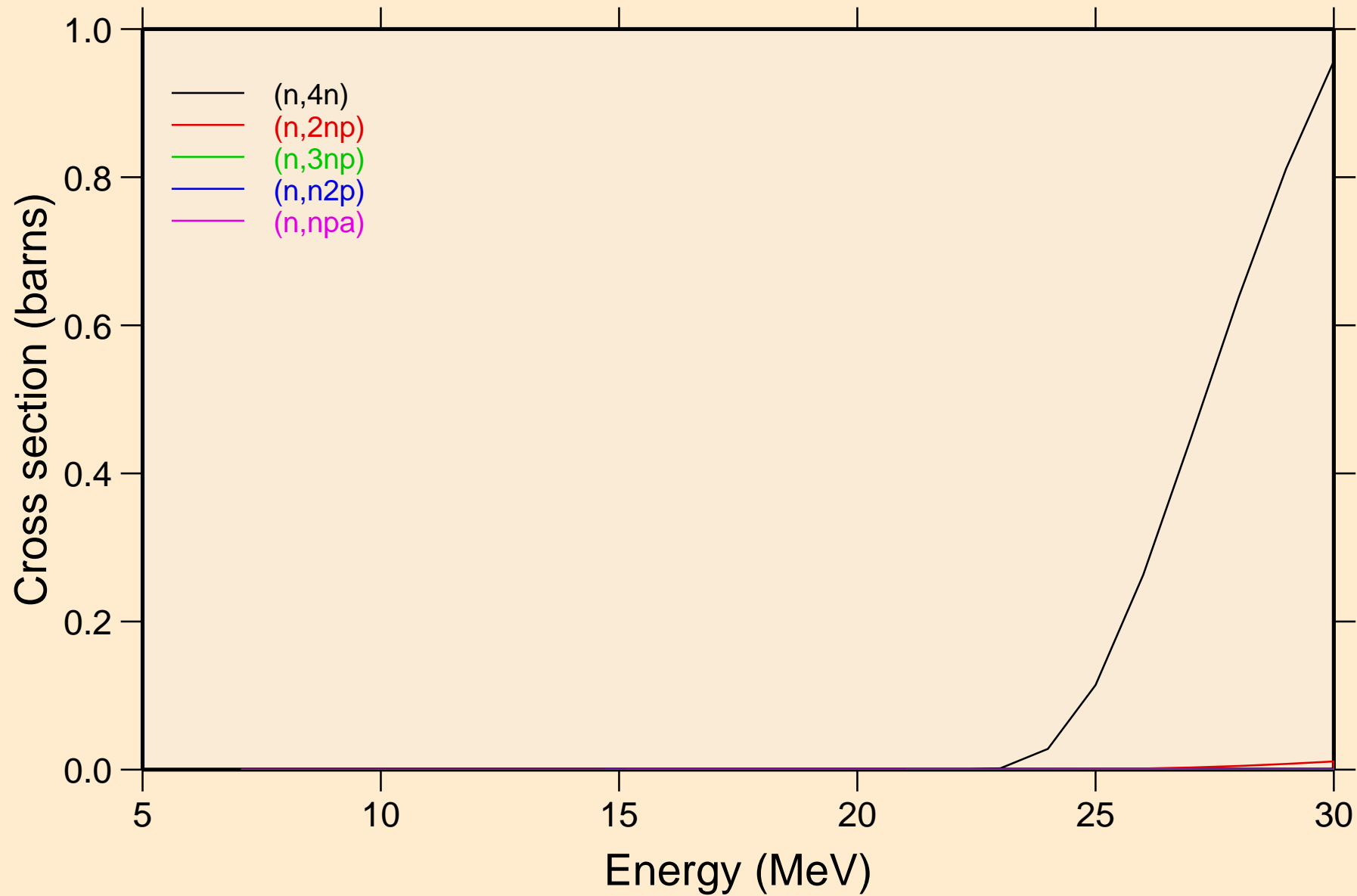
# OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions

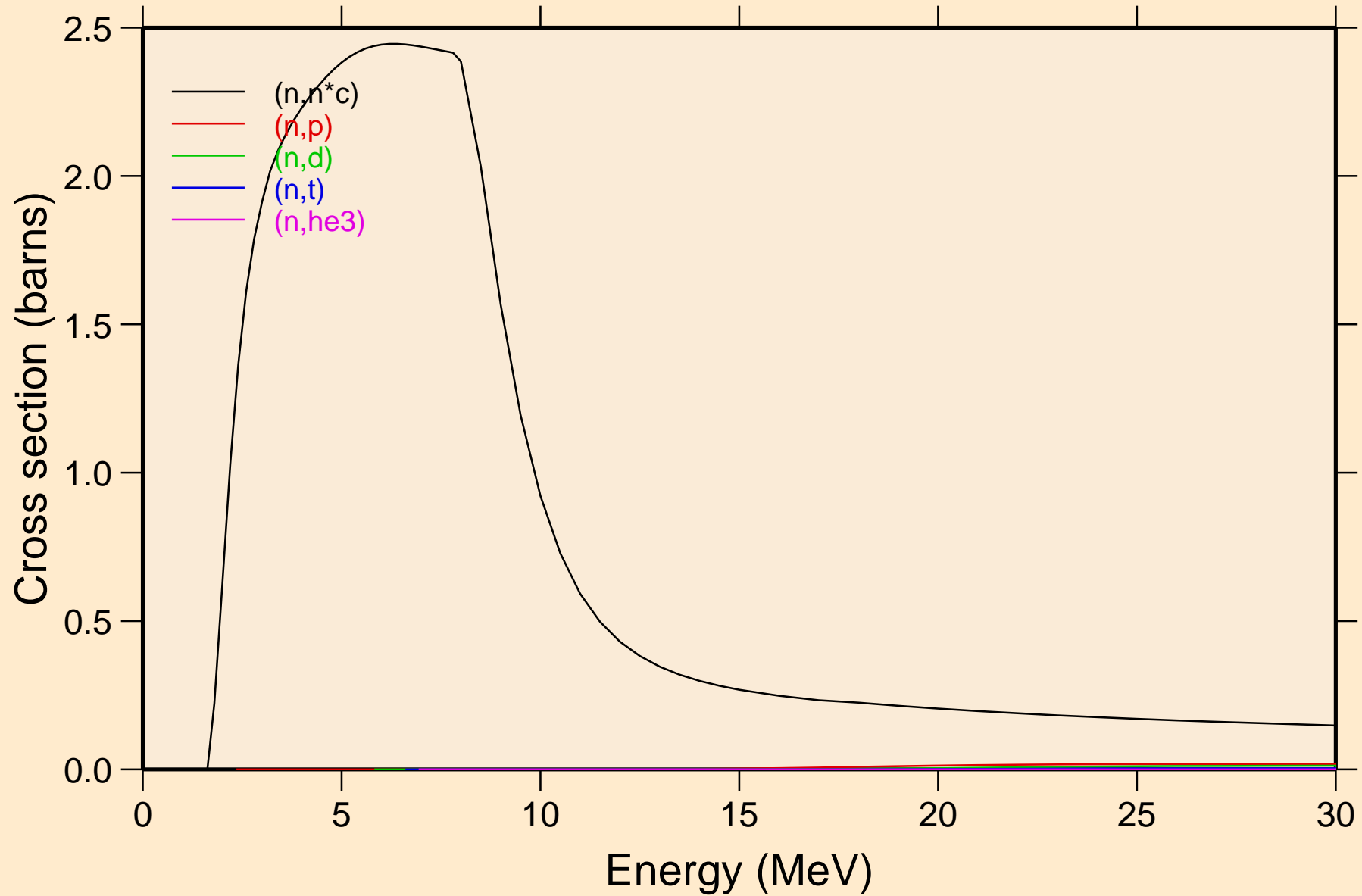


# OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

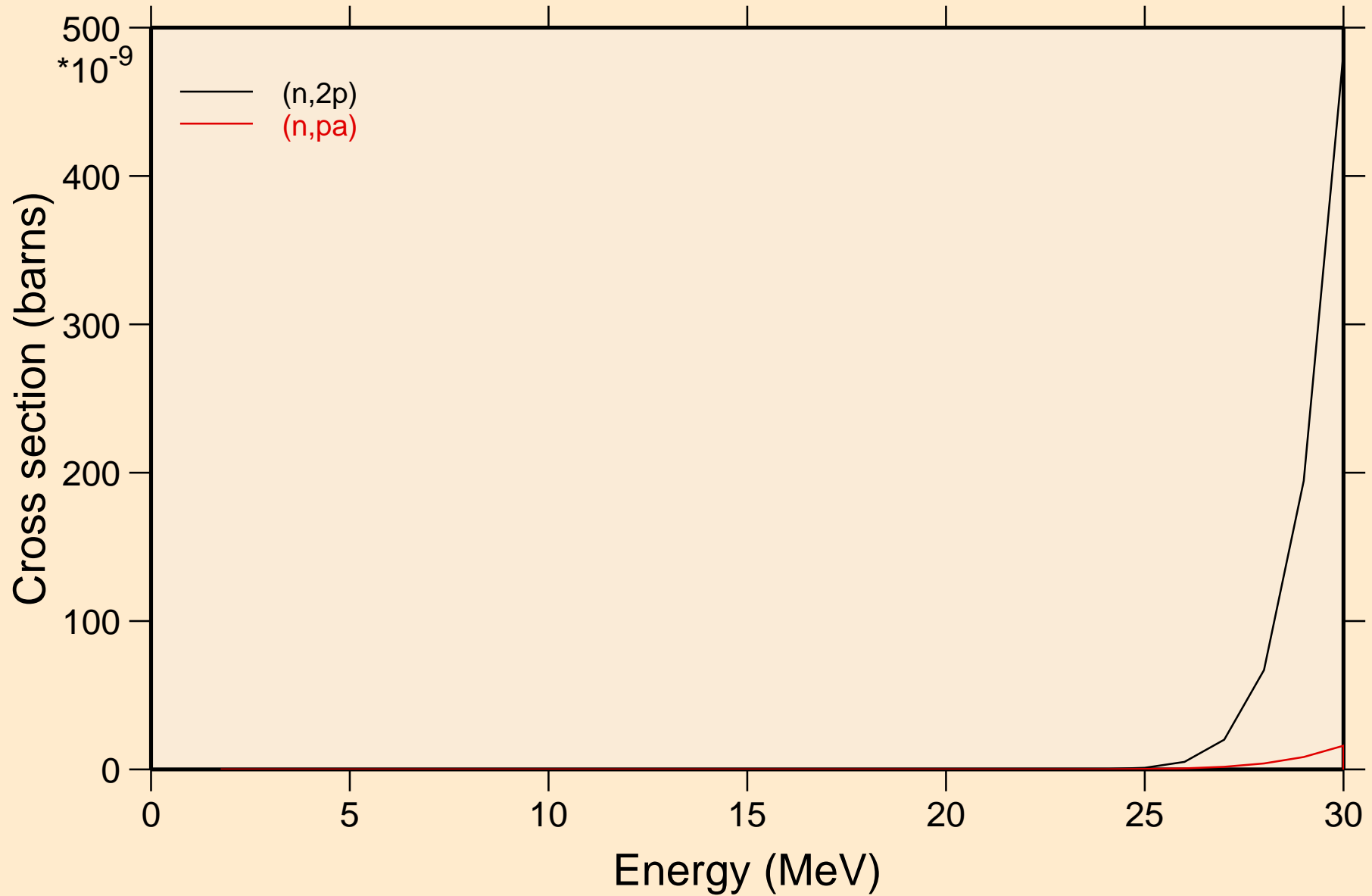
## Threshold reactions



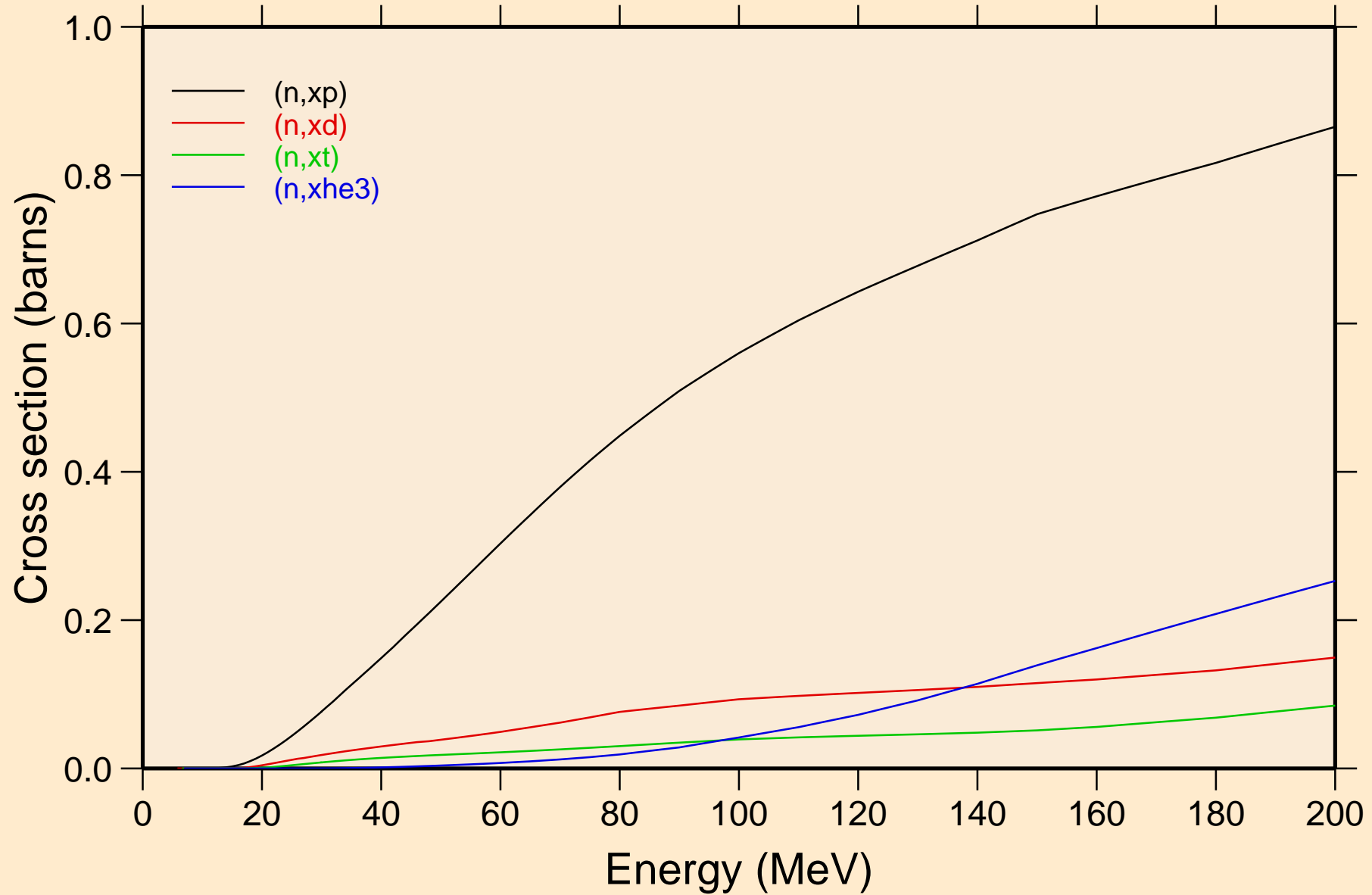
OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



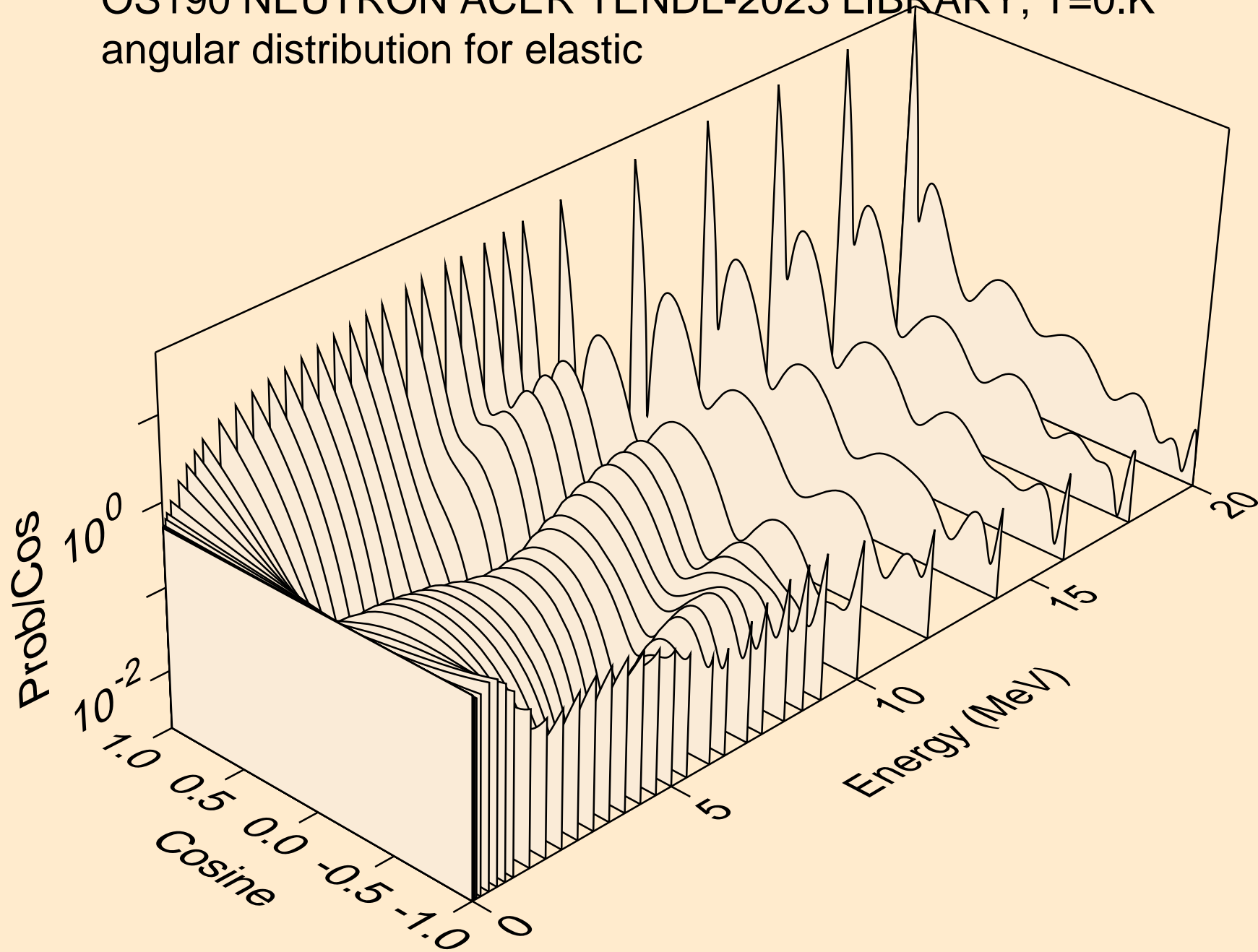
OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



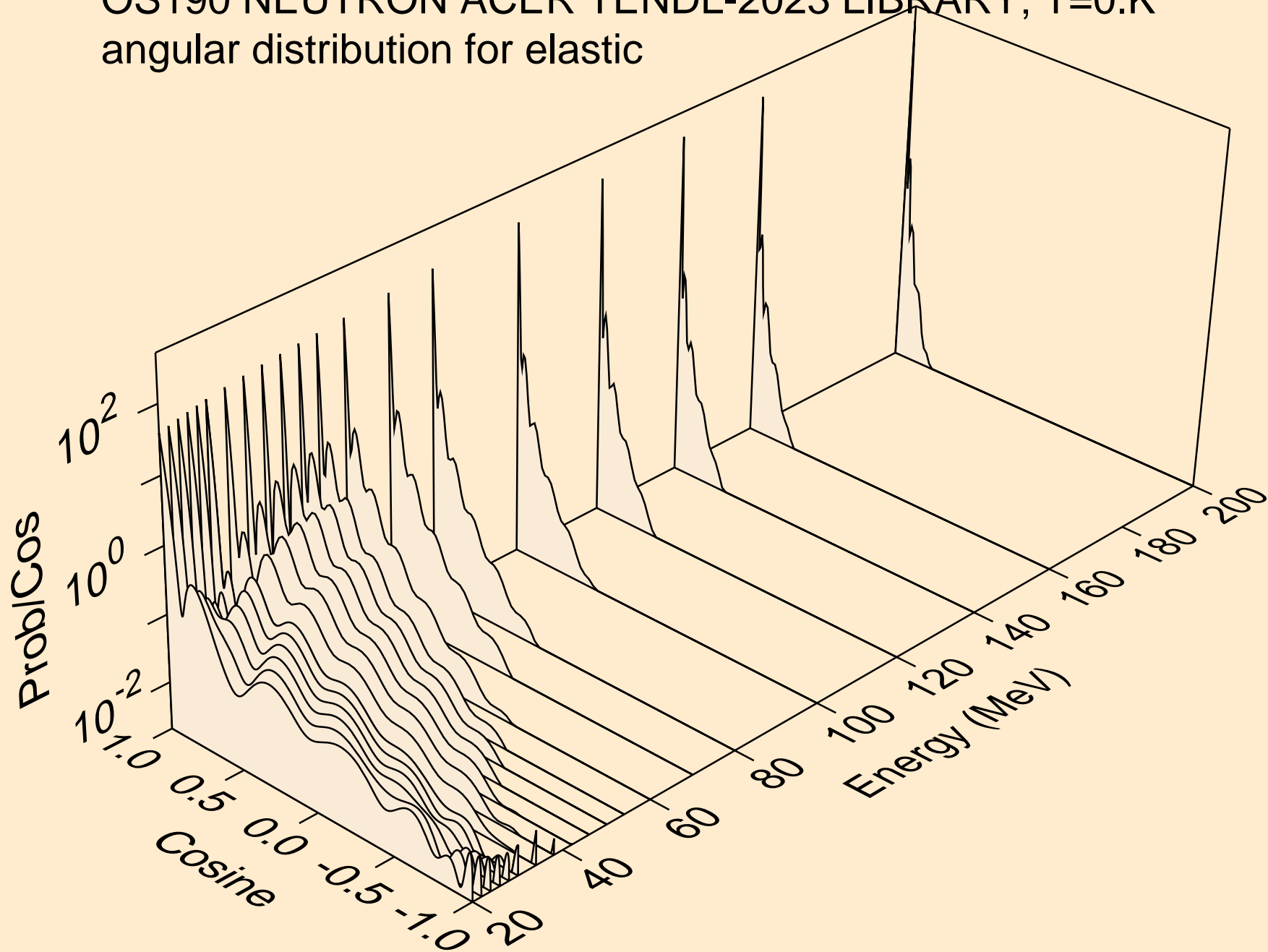
OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



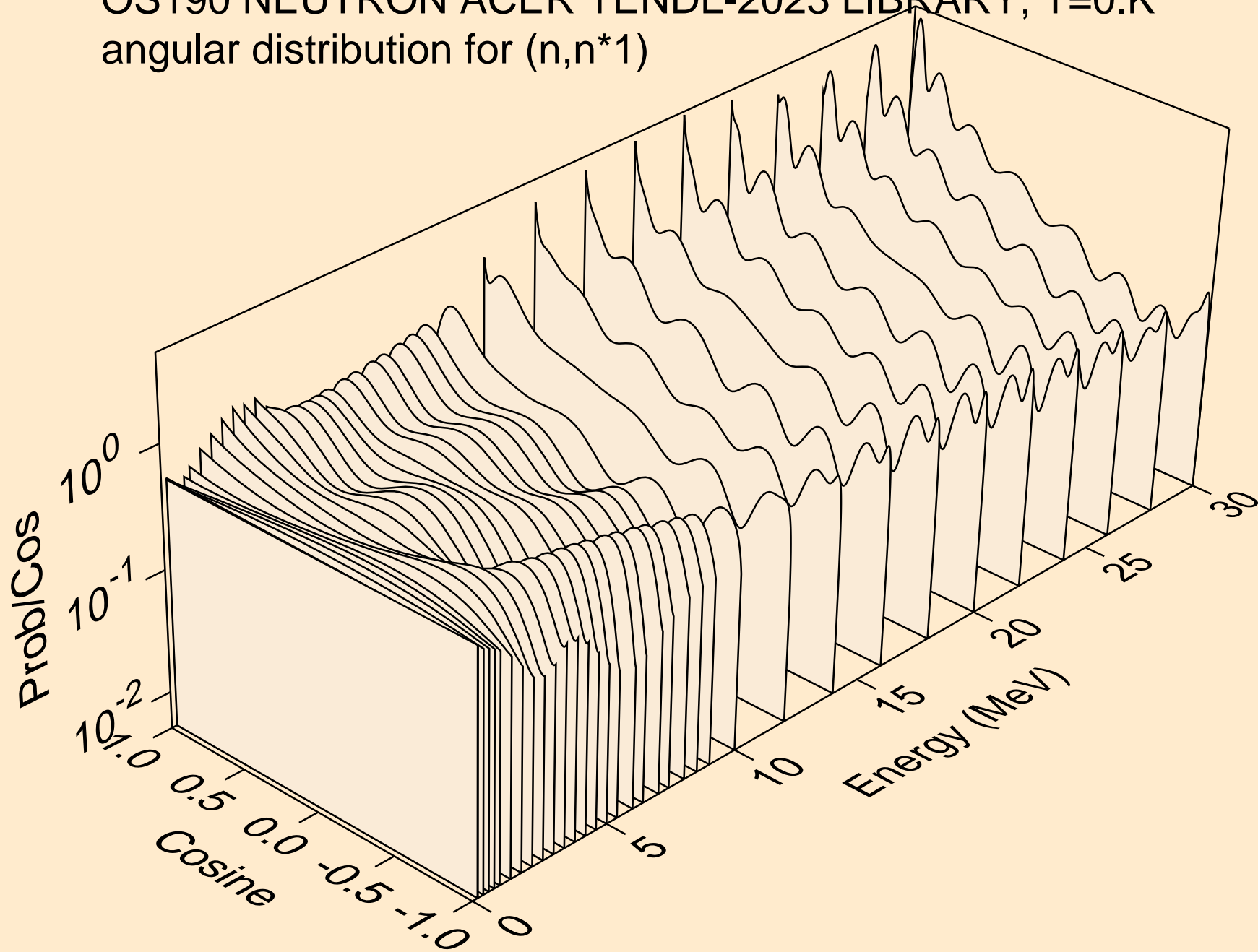
OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic

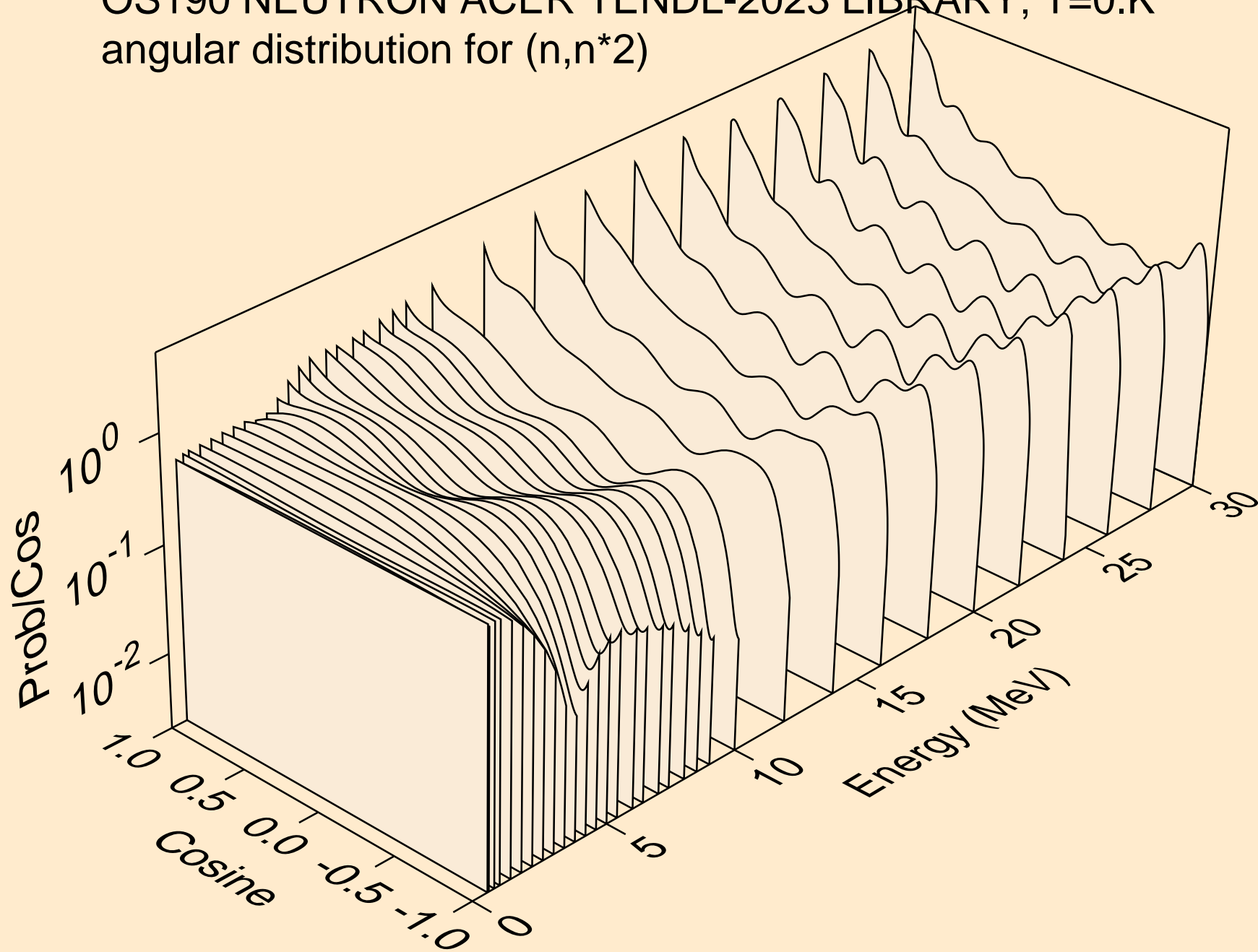


OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*1)

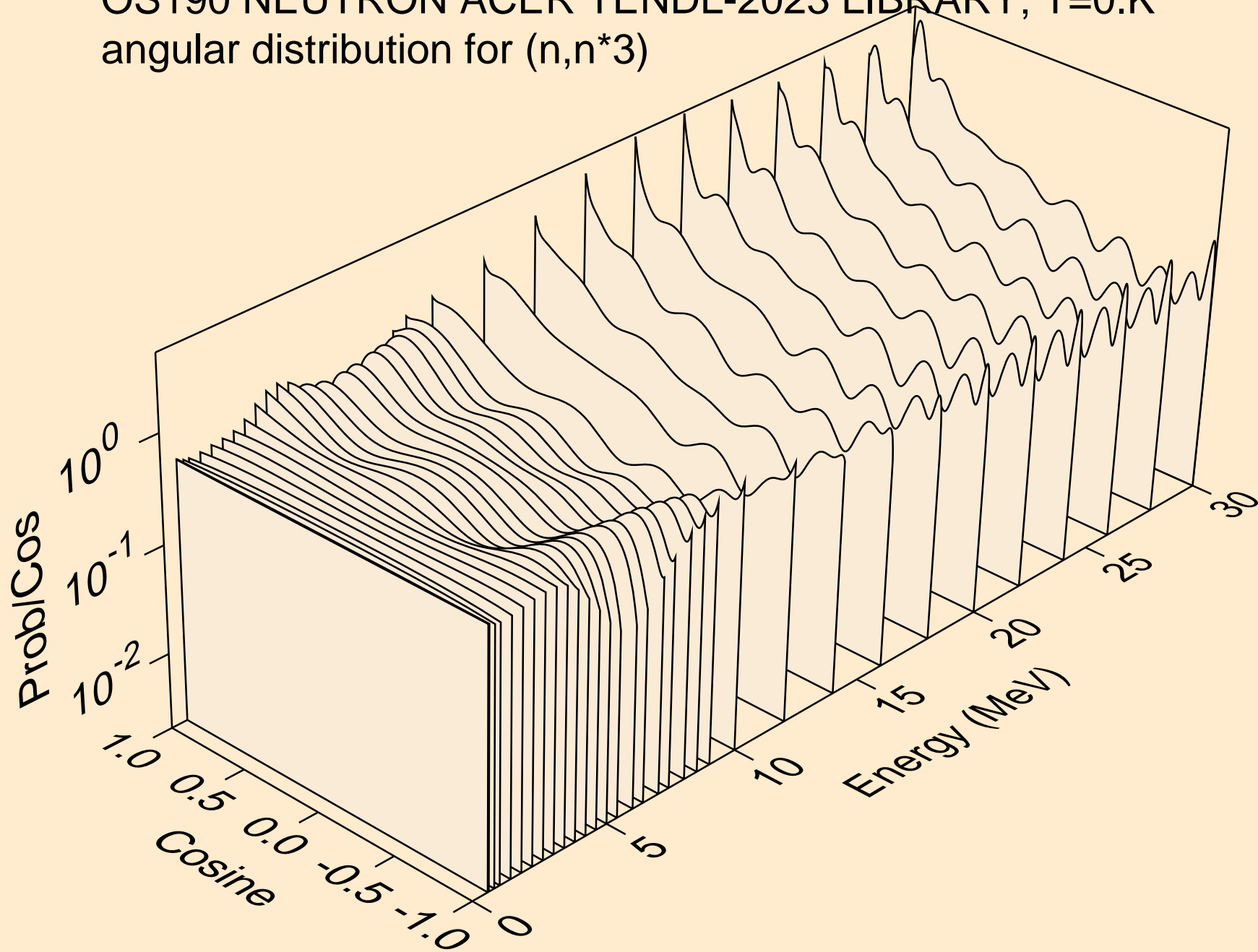




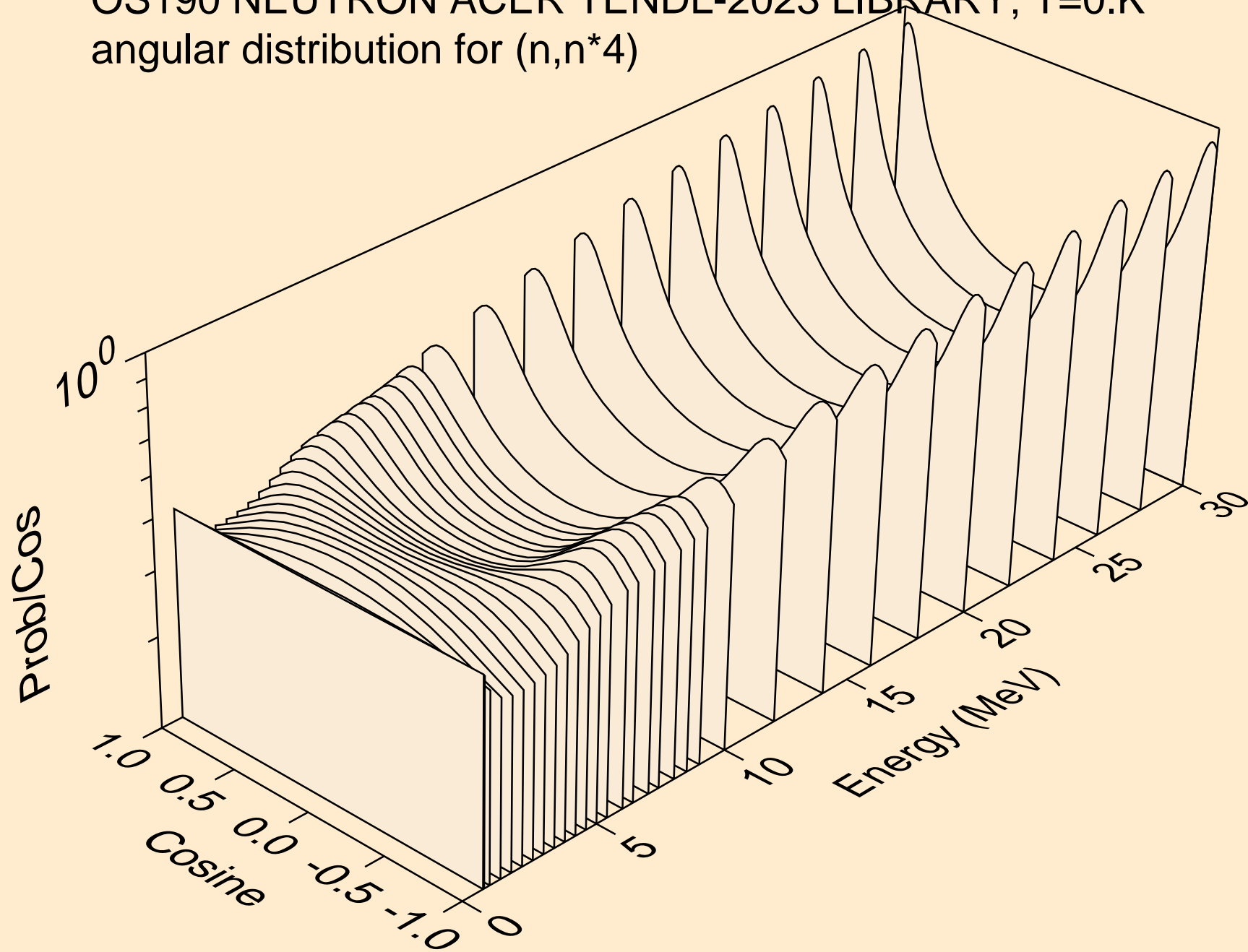
OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*2)



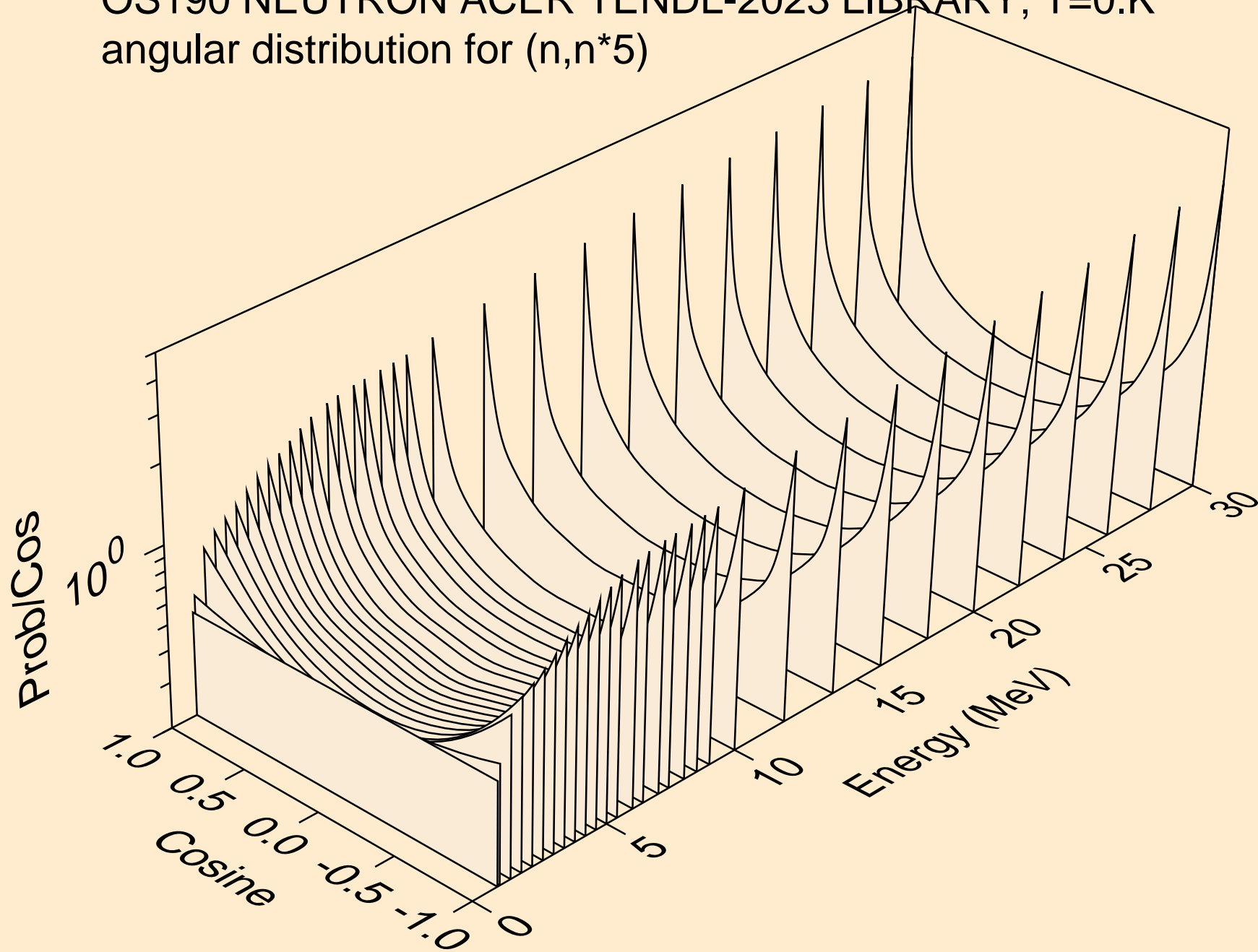
OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*3)



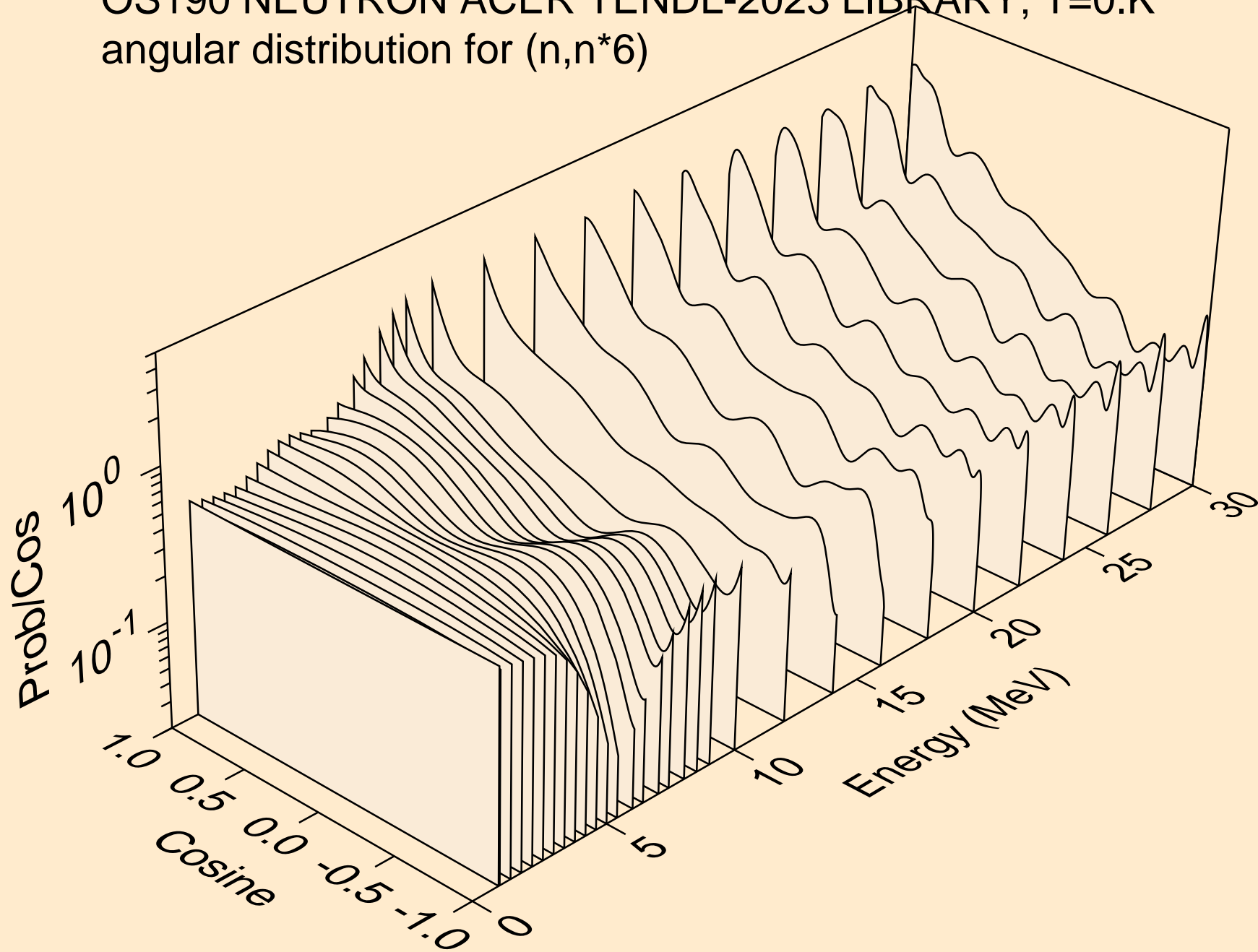
OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*4)



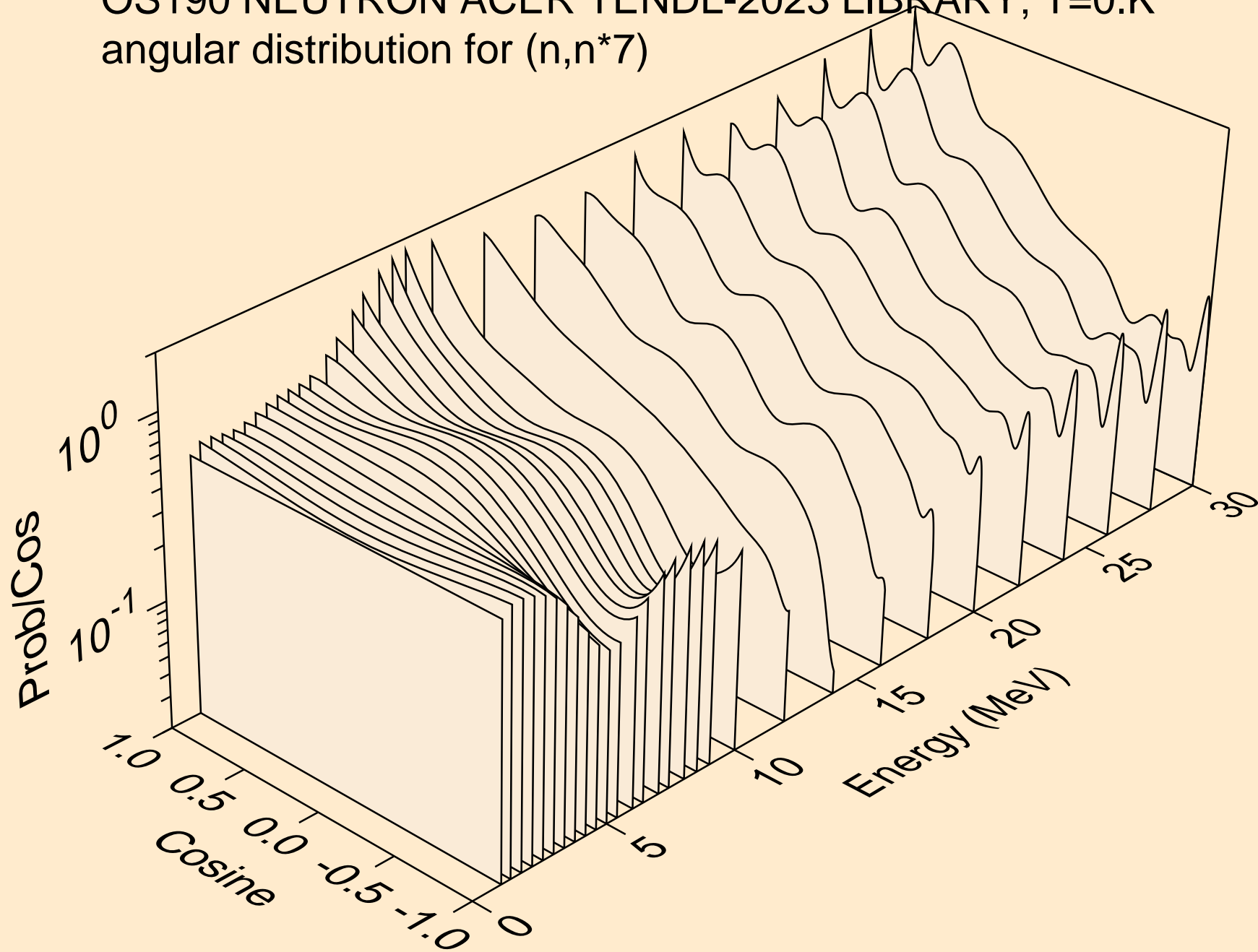
OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*5)



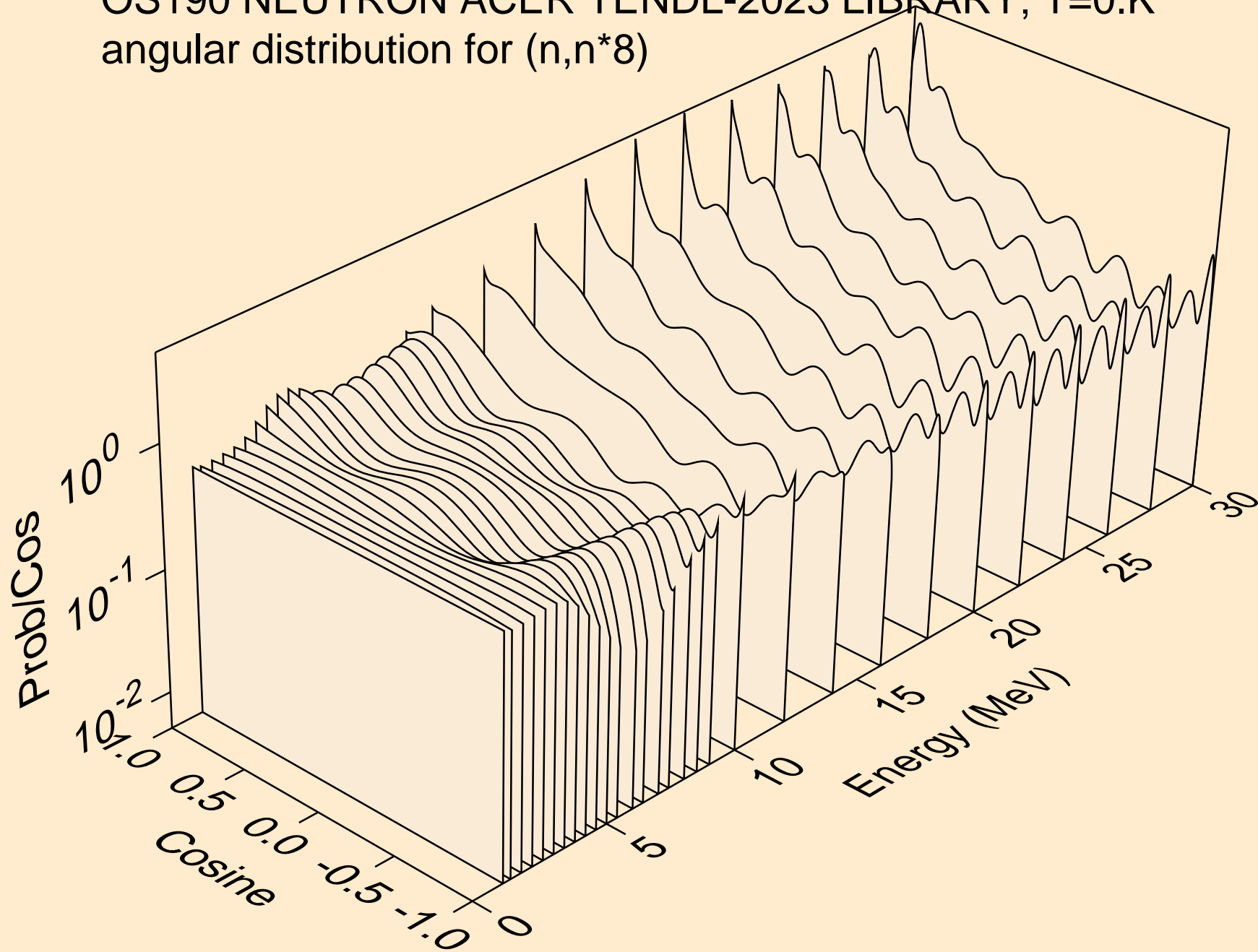
OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*6)



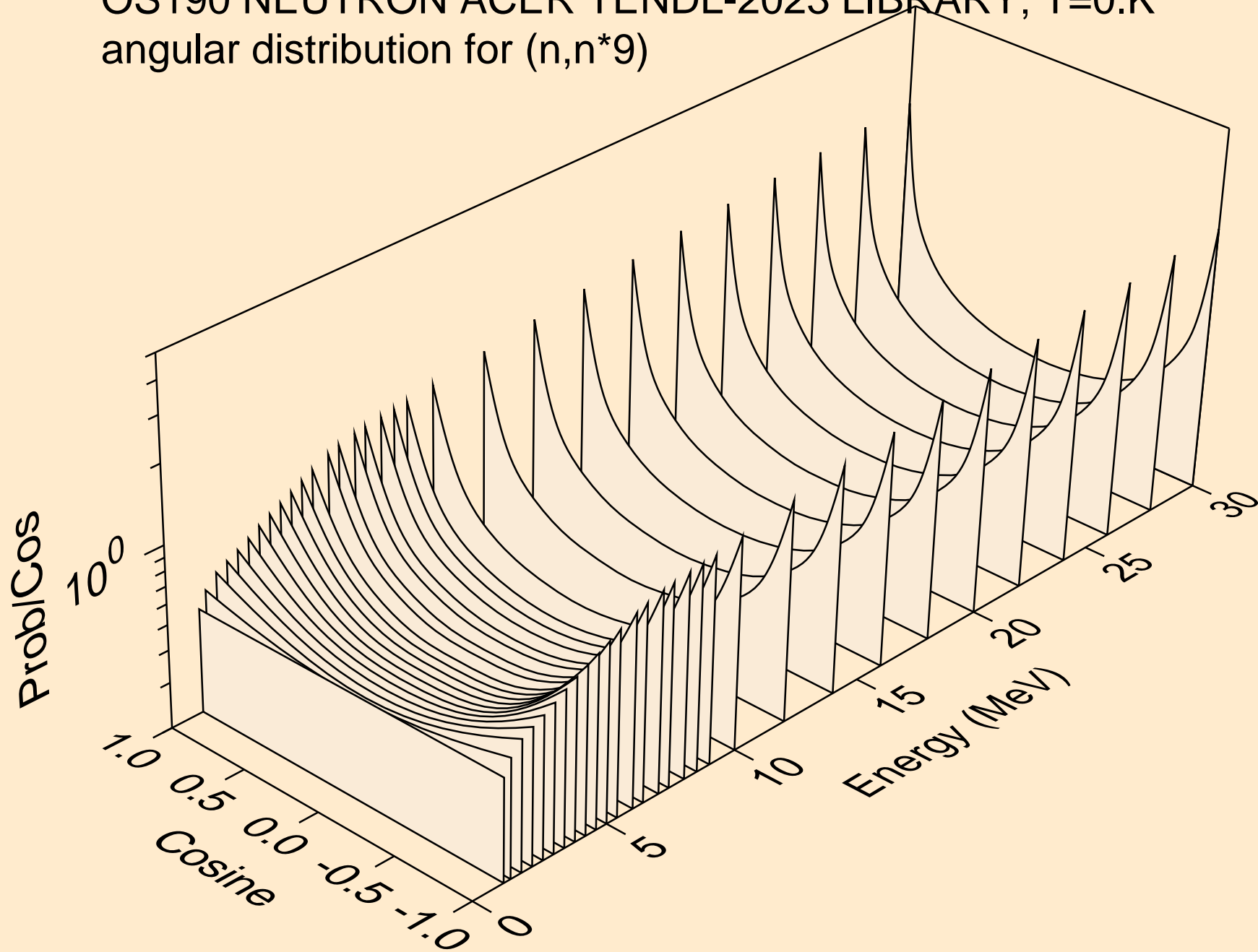
OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*7)



OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*8)

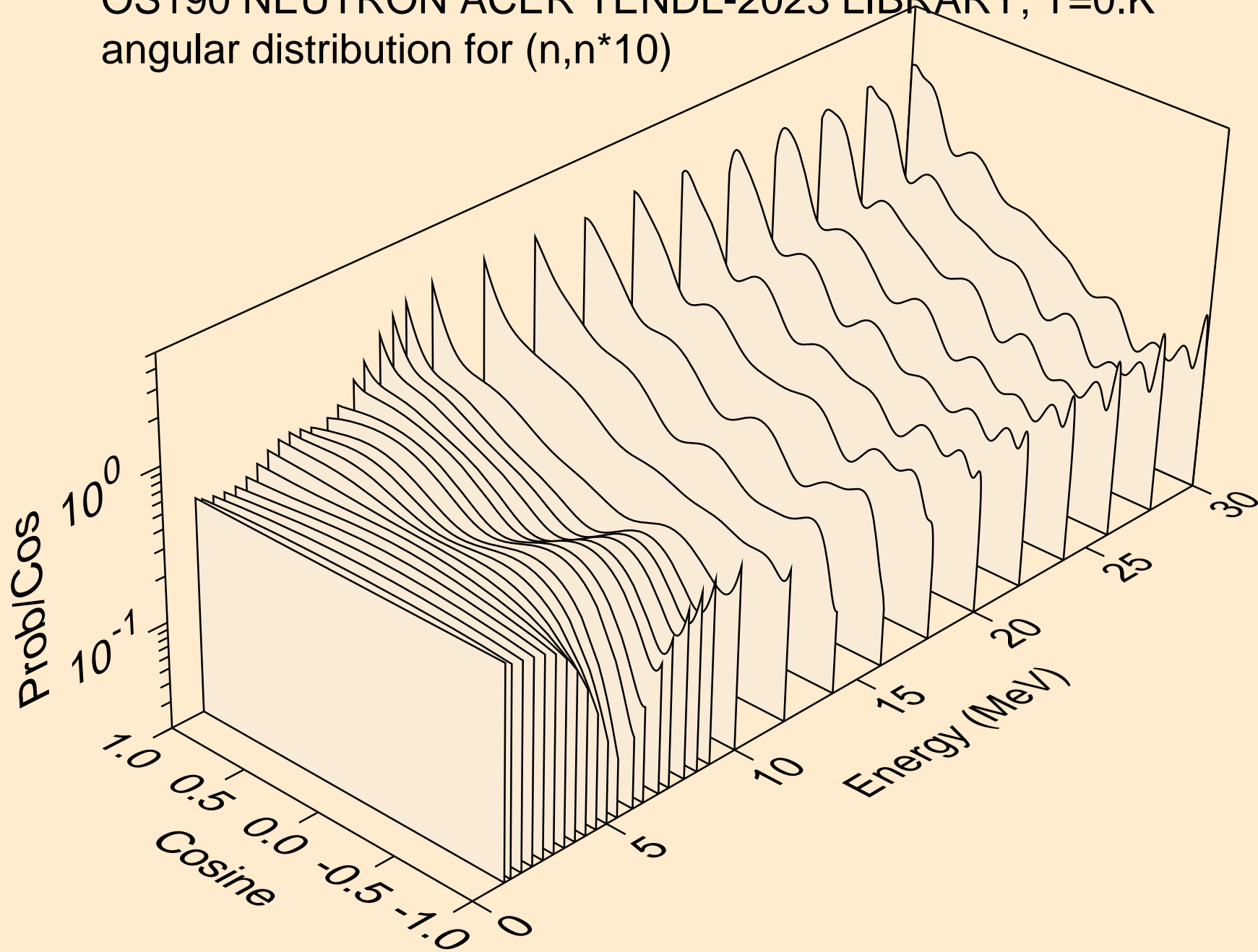


OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*9)

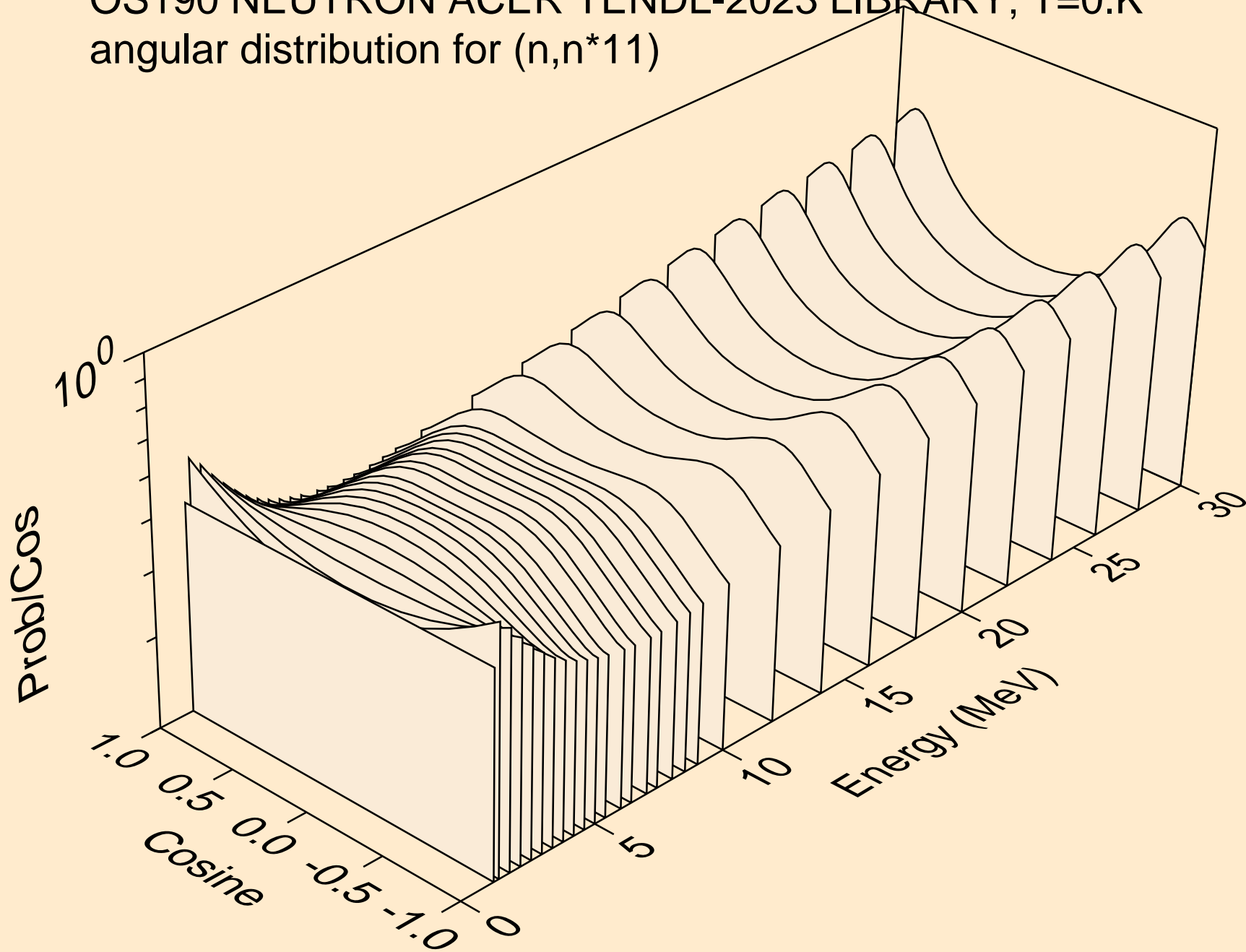




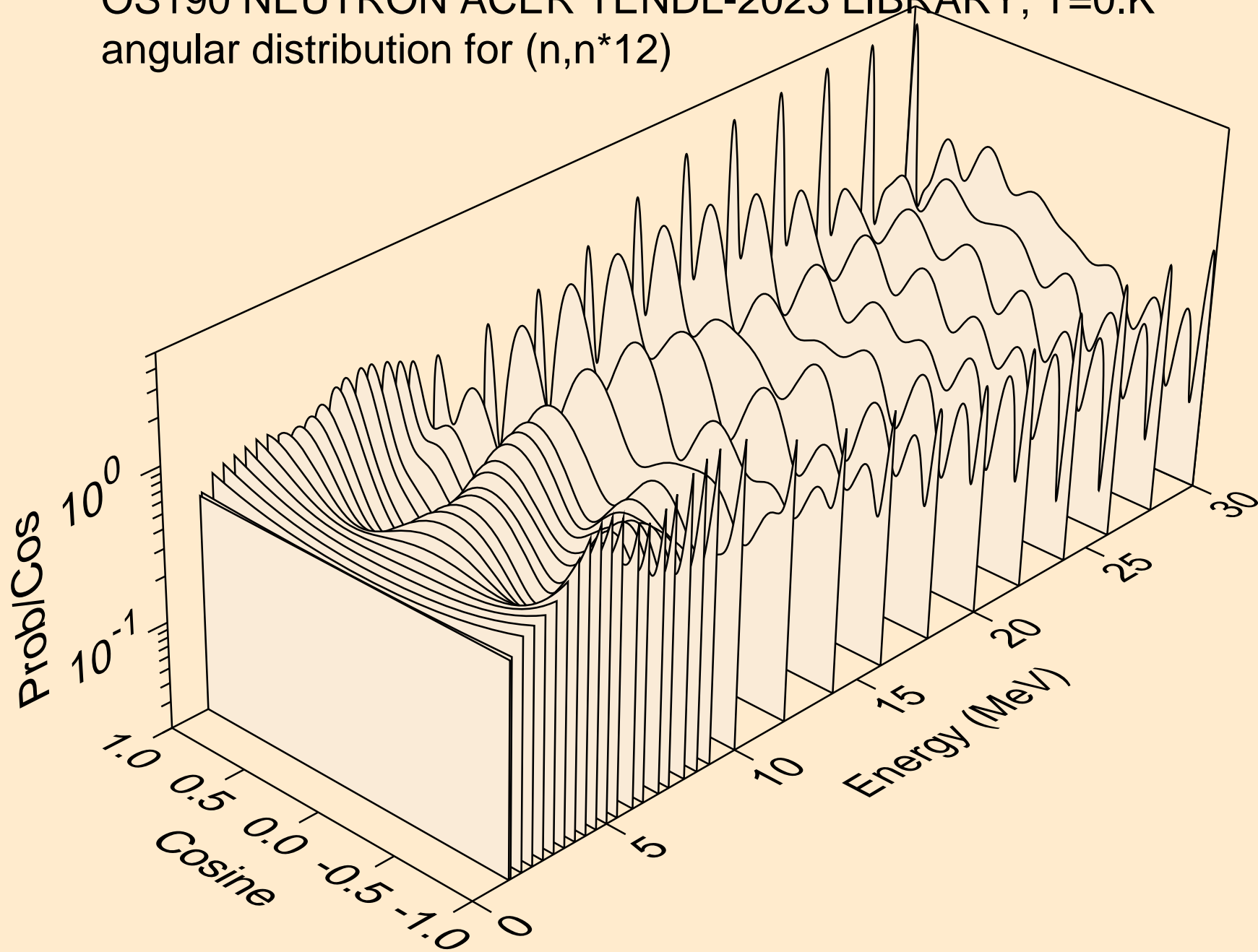
OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*10)



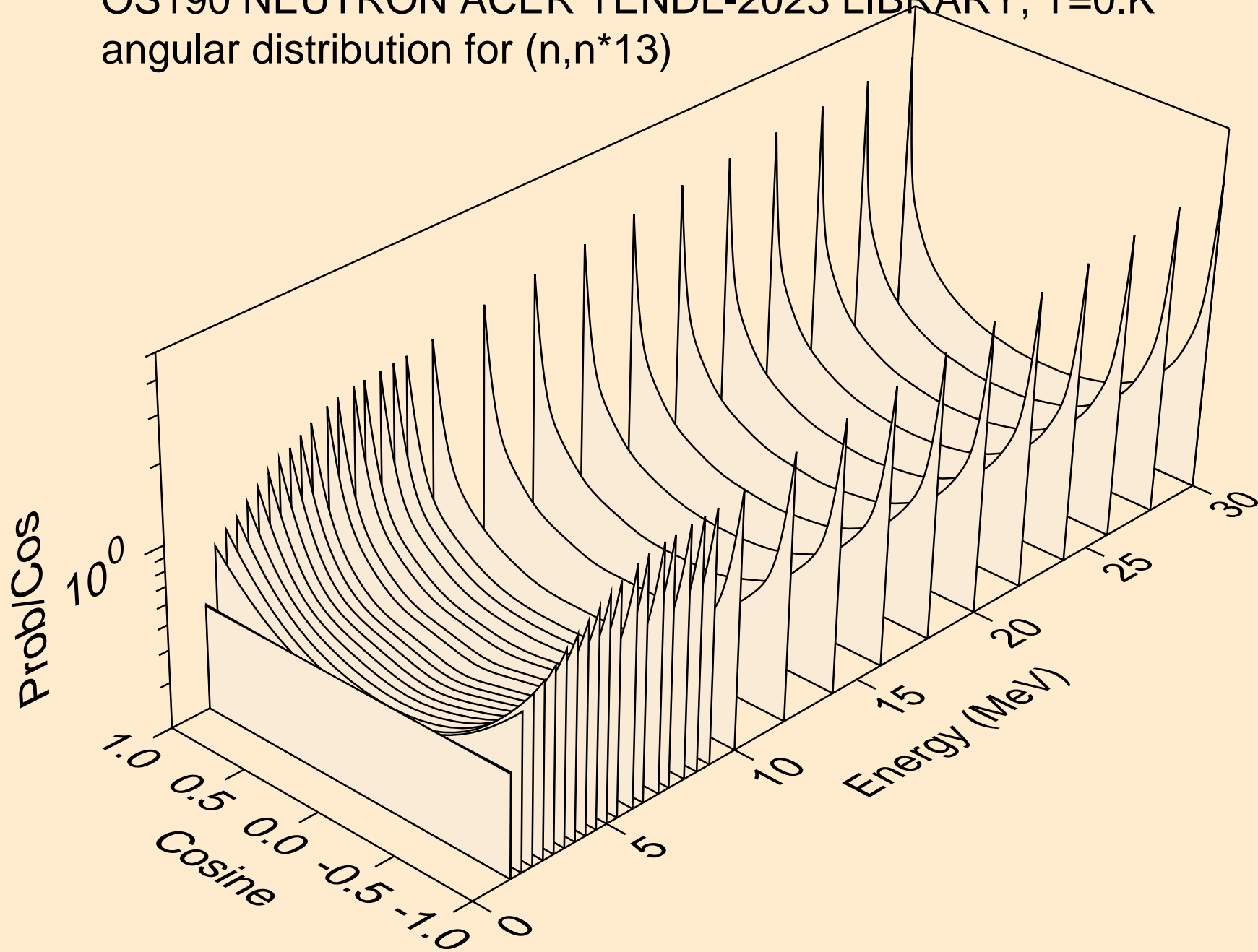
OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*11)



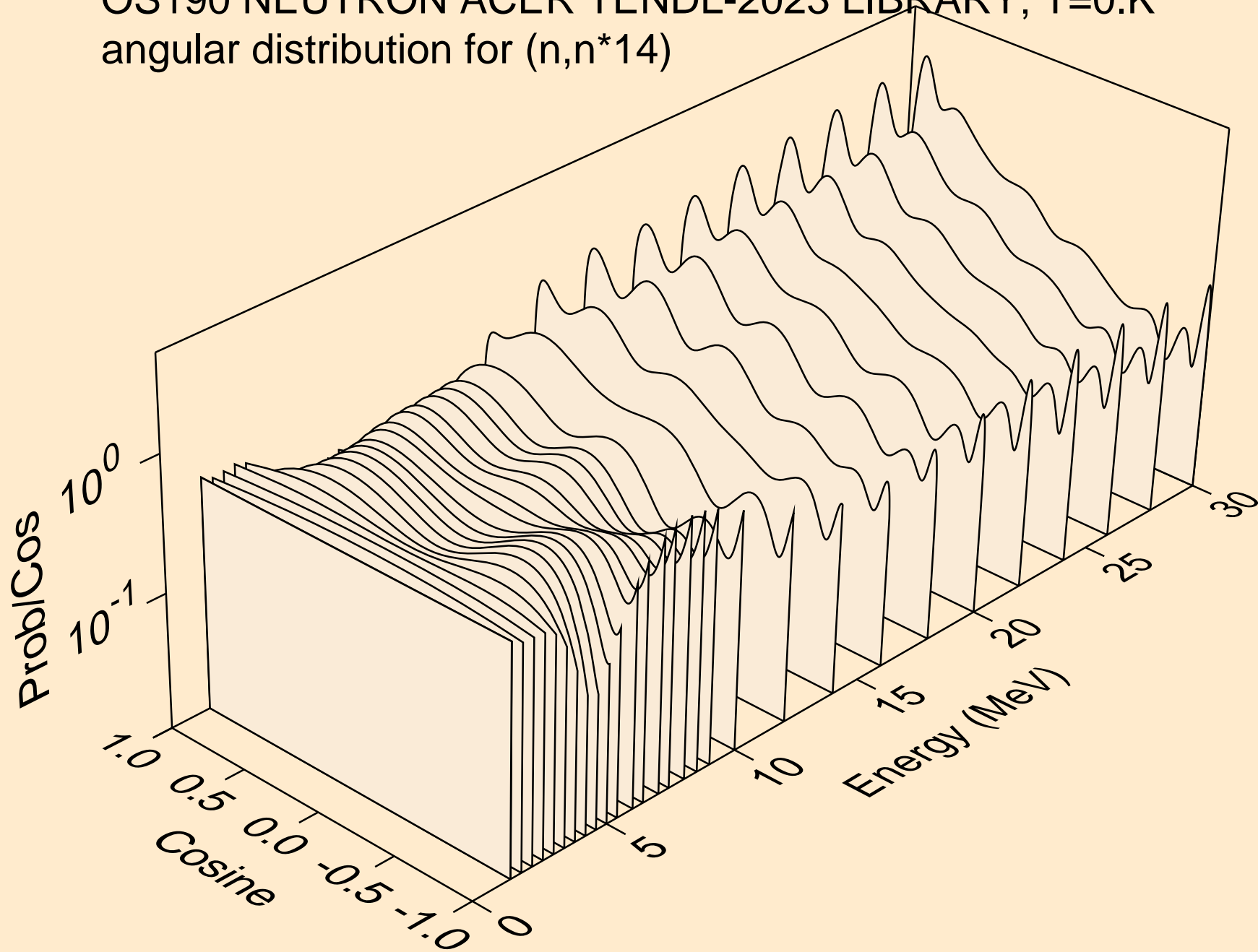
OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*12)



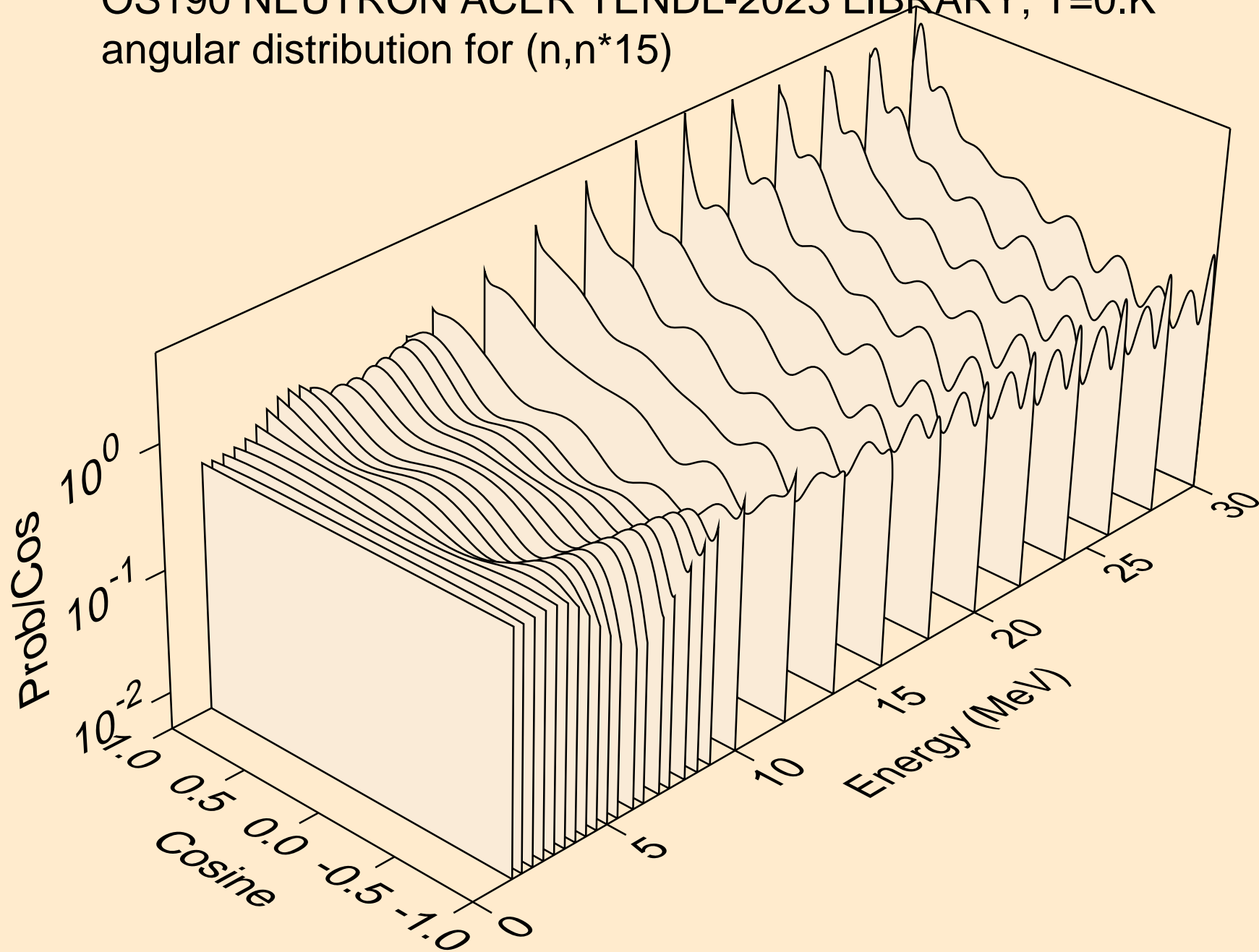
OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*13)



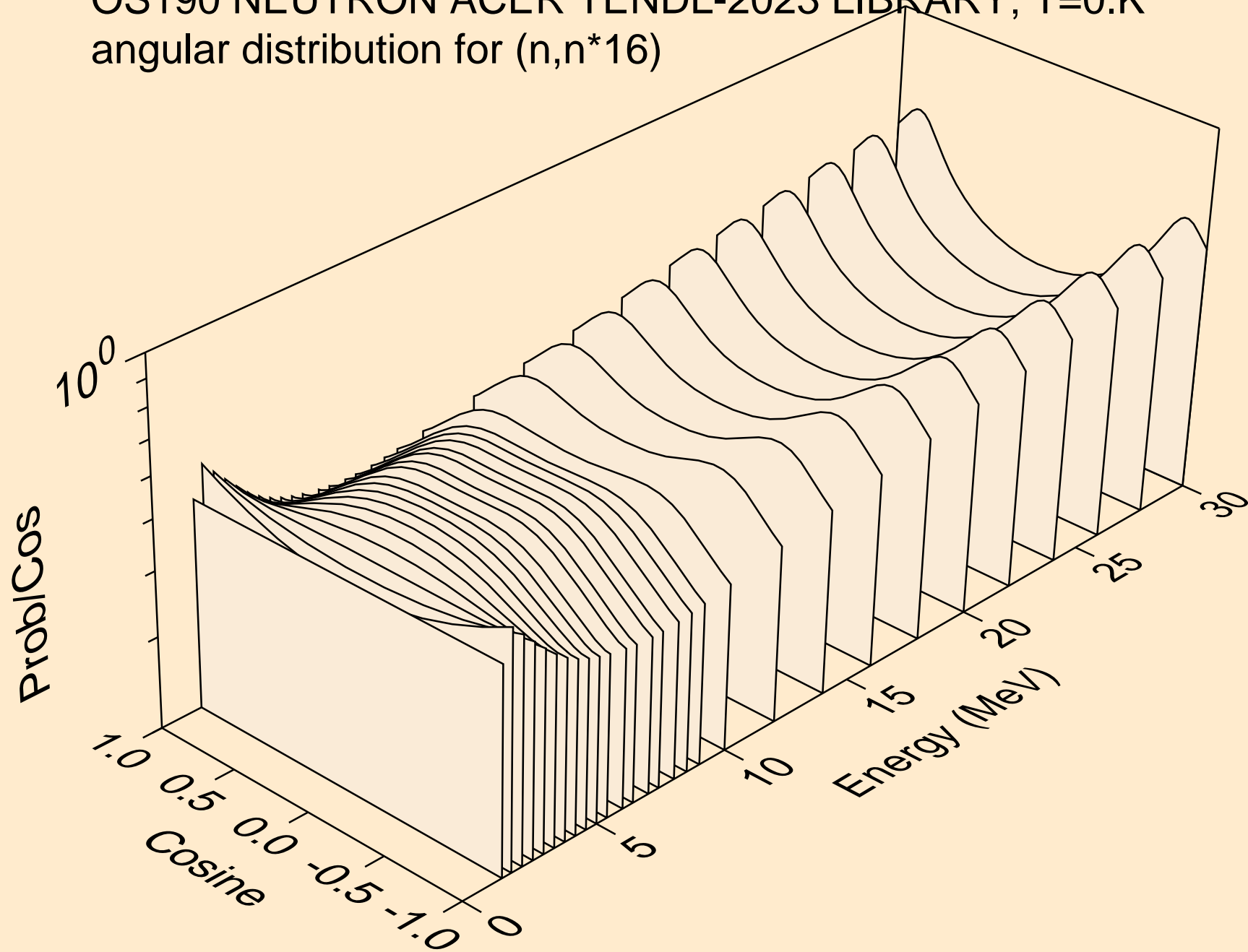
OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*14)



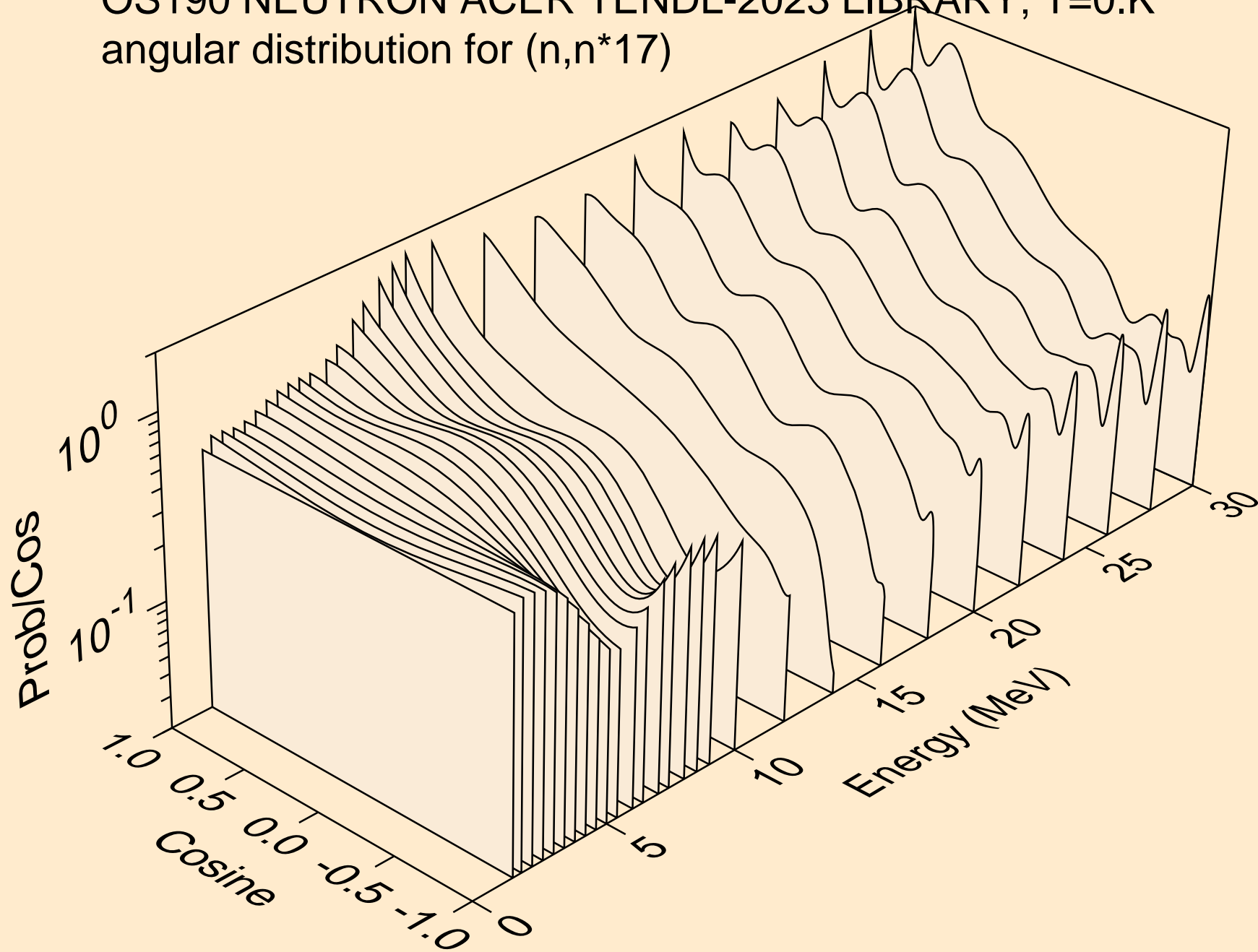
OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*15)



OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*16)

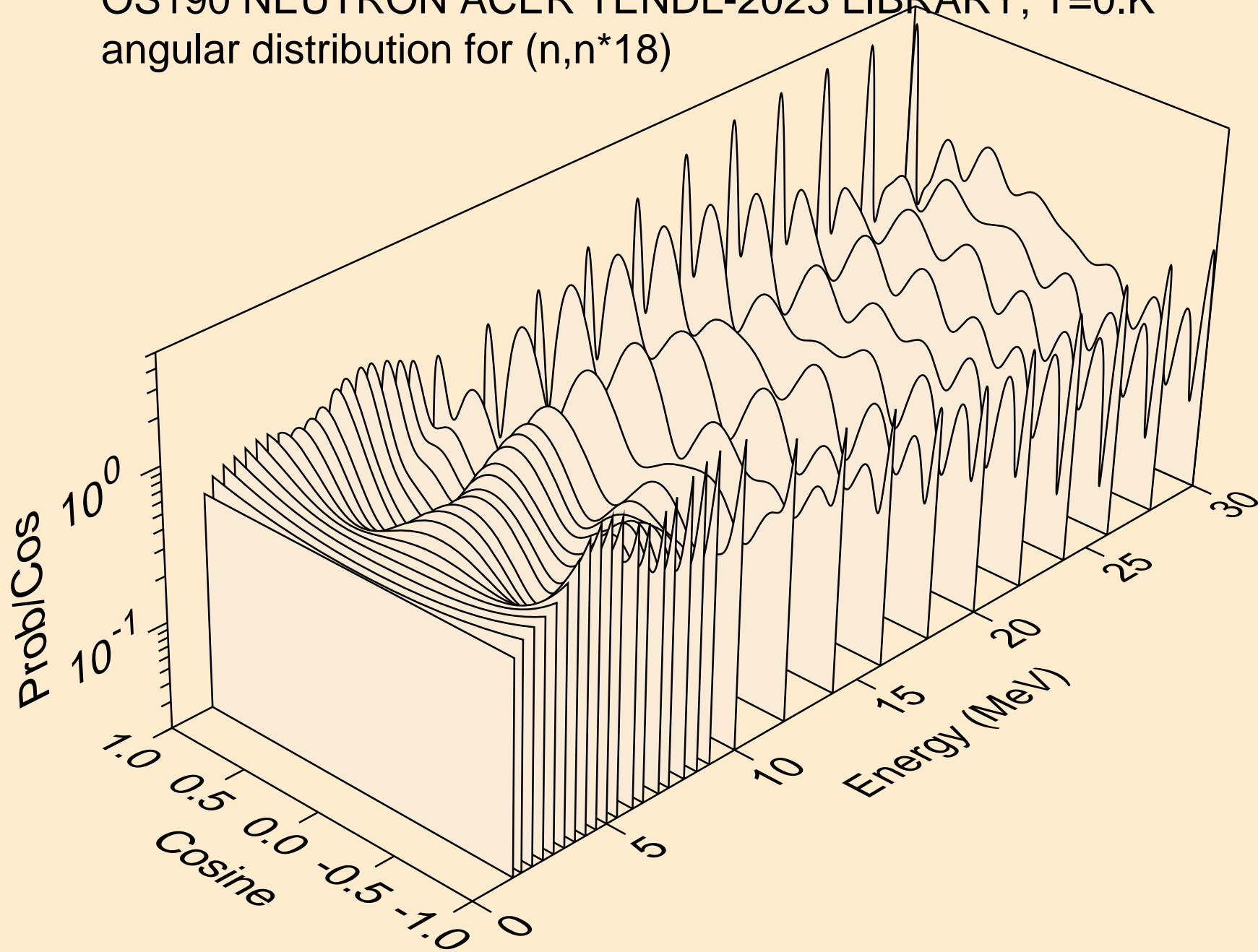


OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*17)

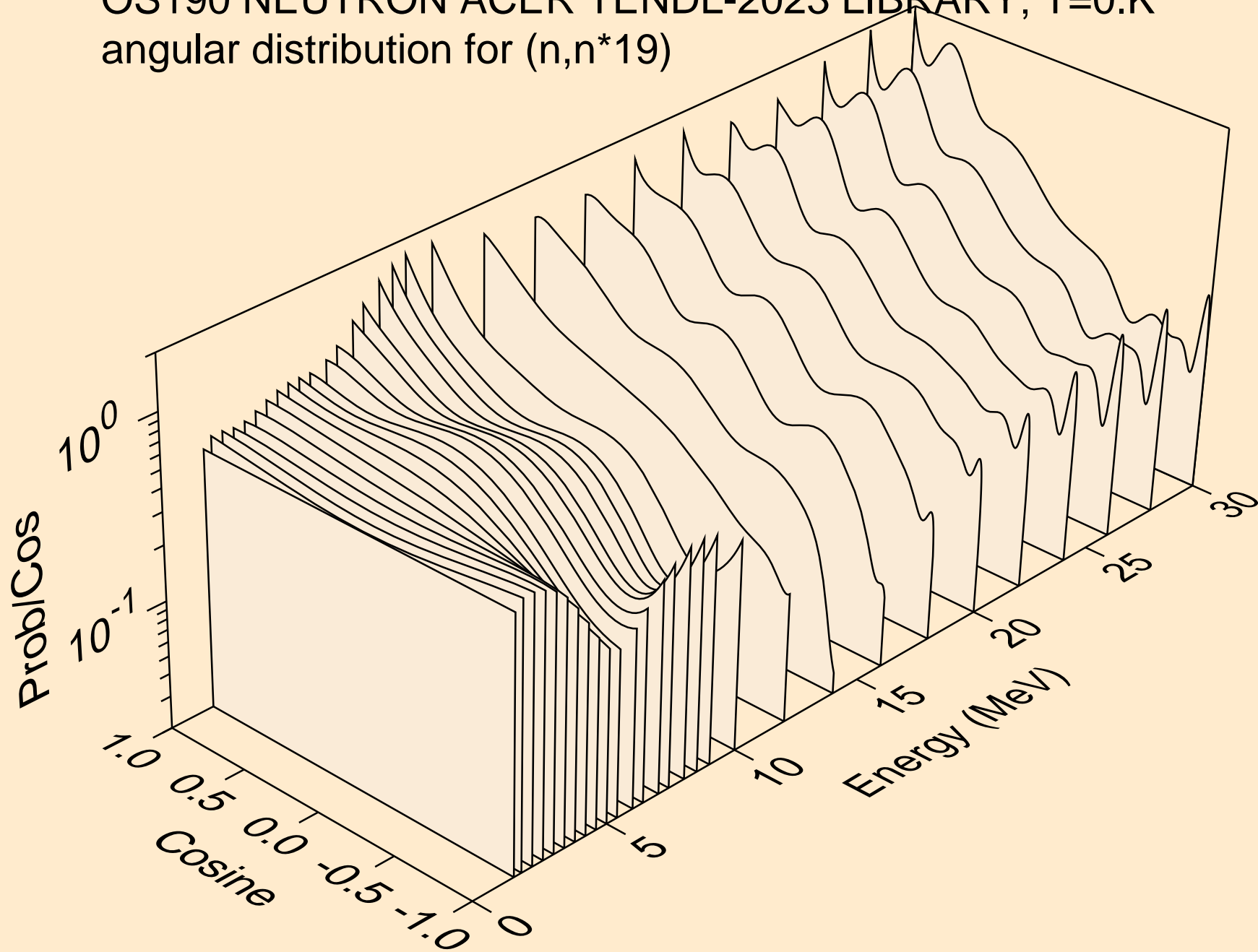




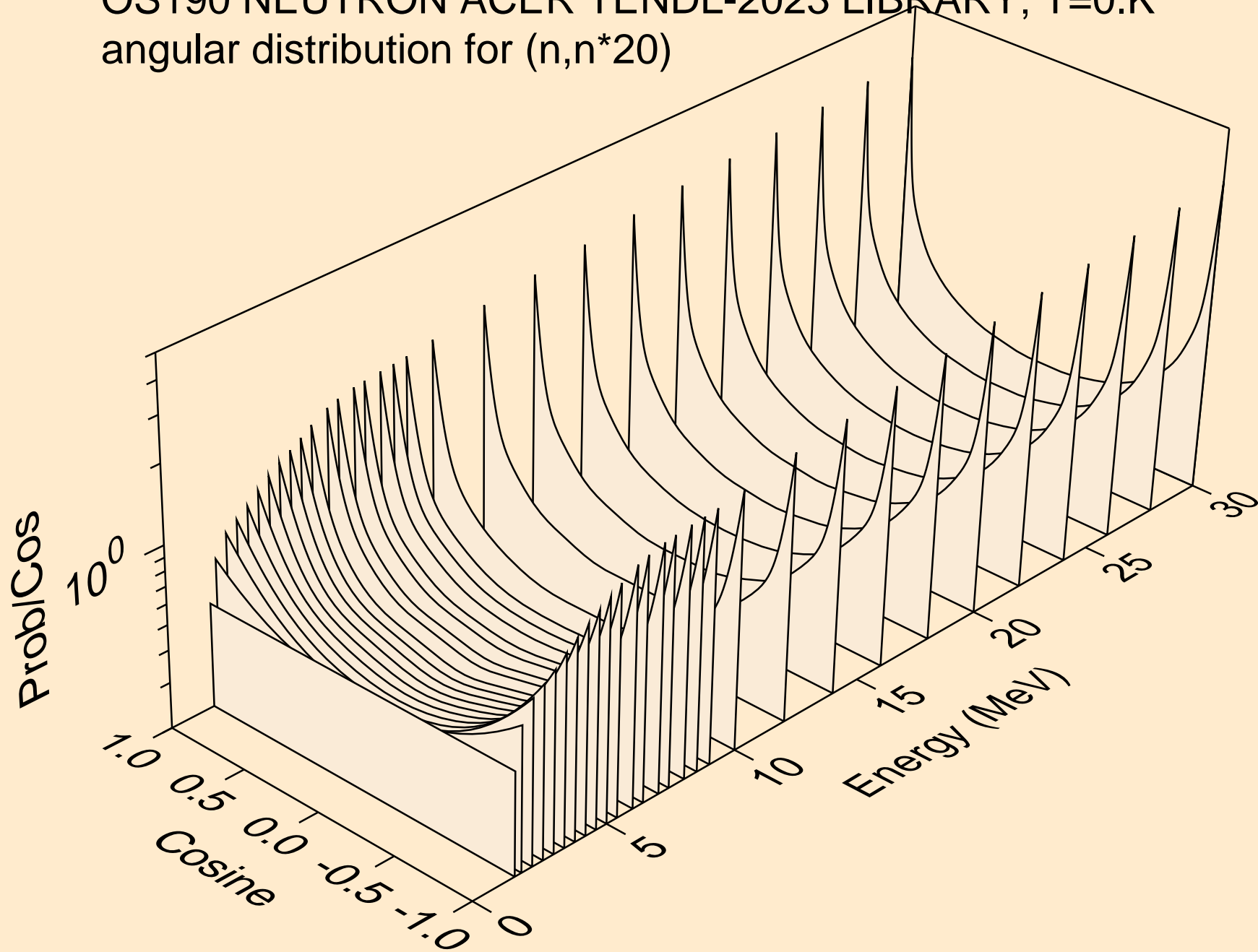
OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*18)



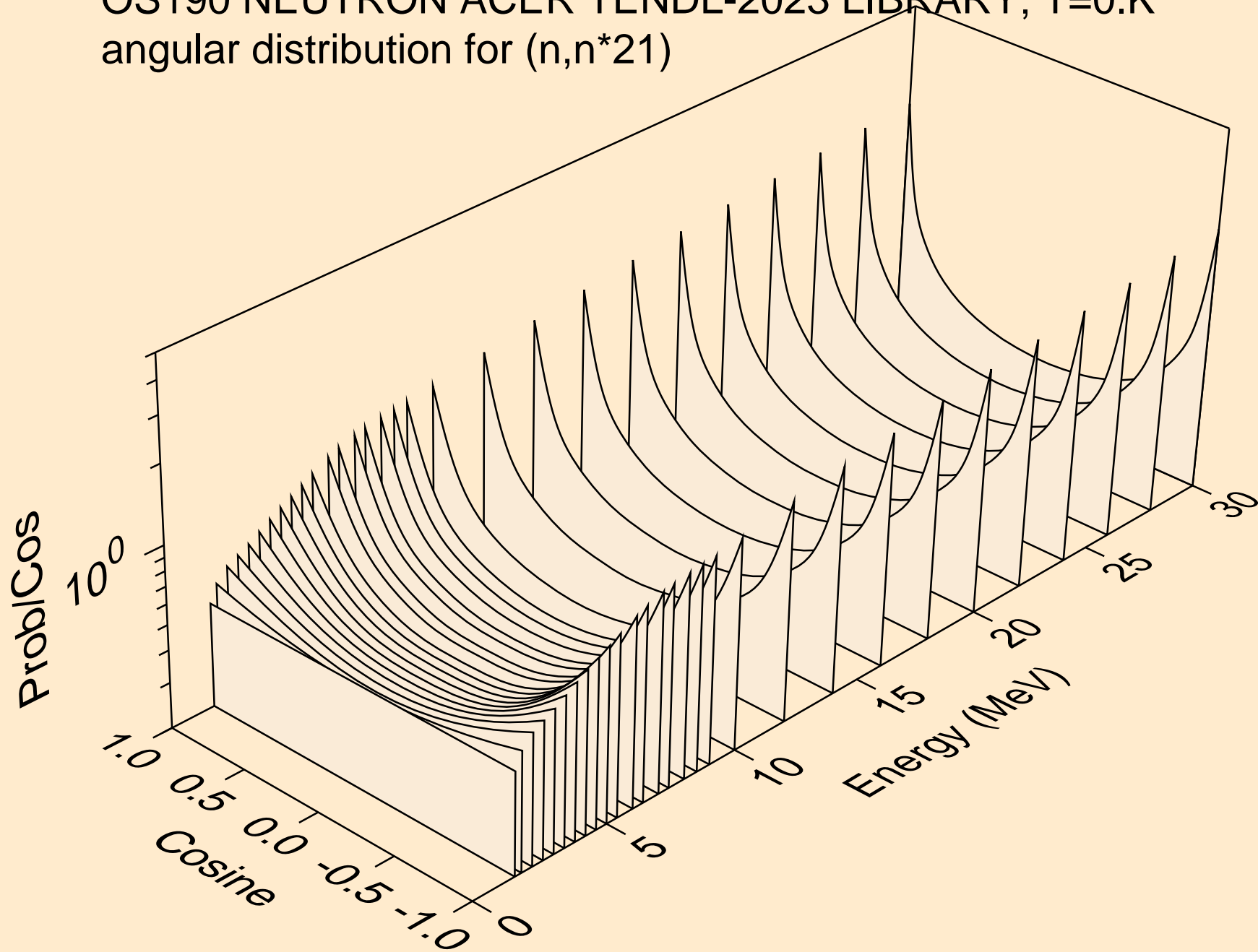
OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*19)



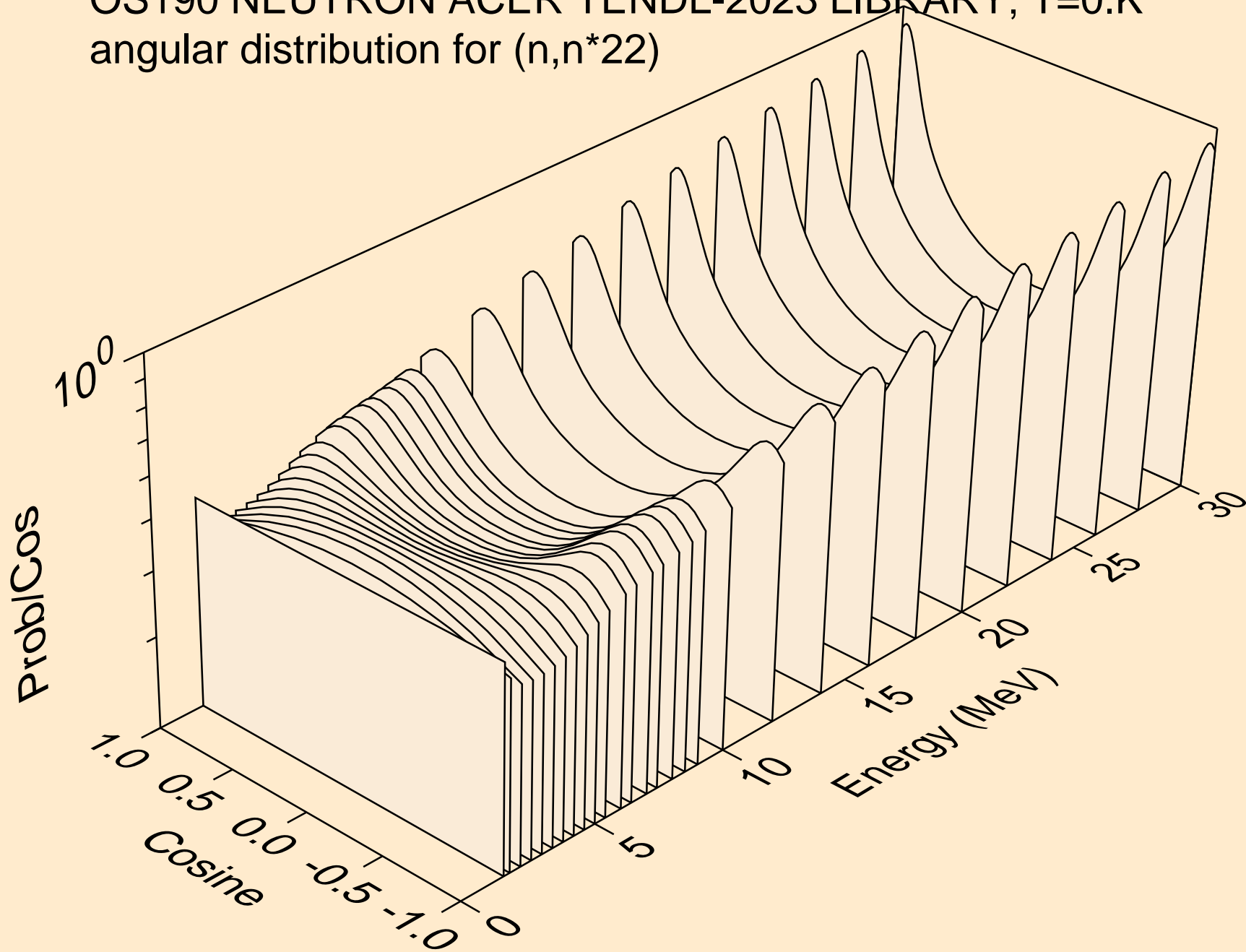
OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*20)



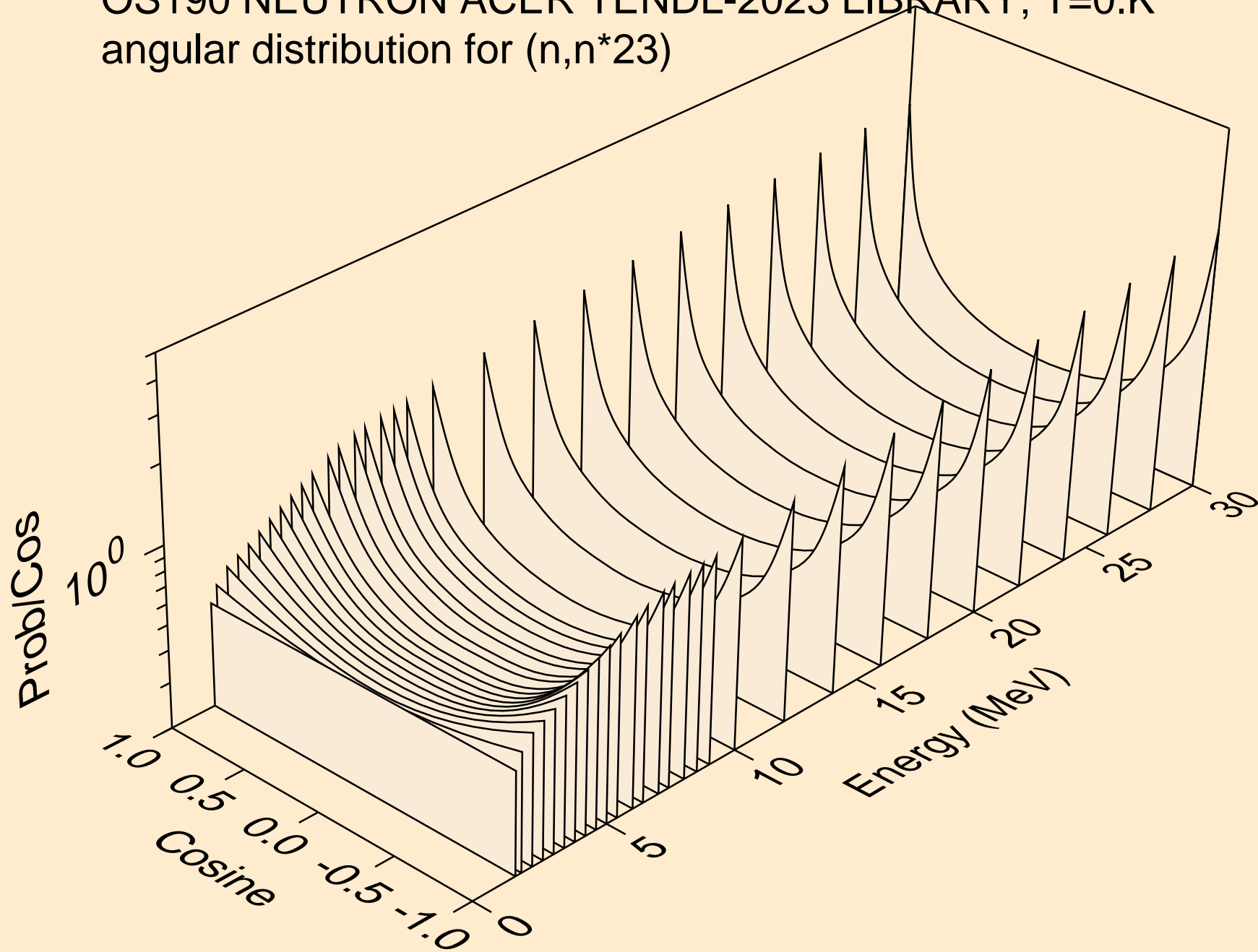
OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*21)



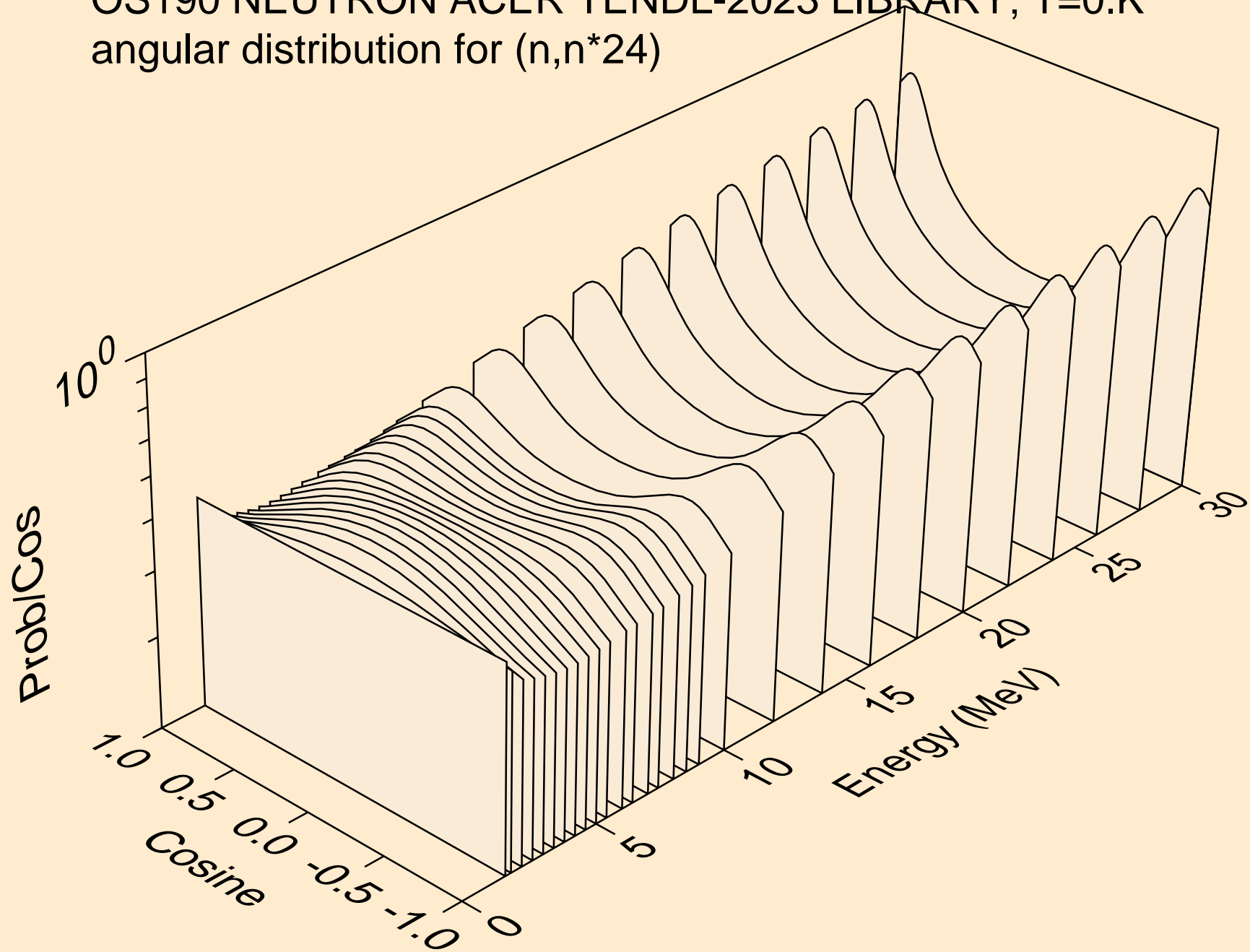
OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*22)



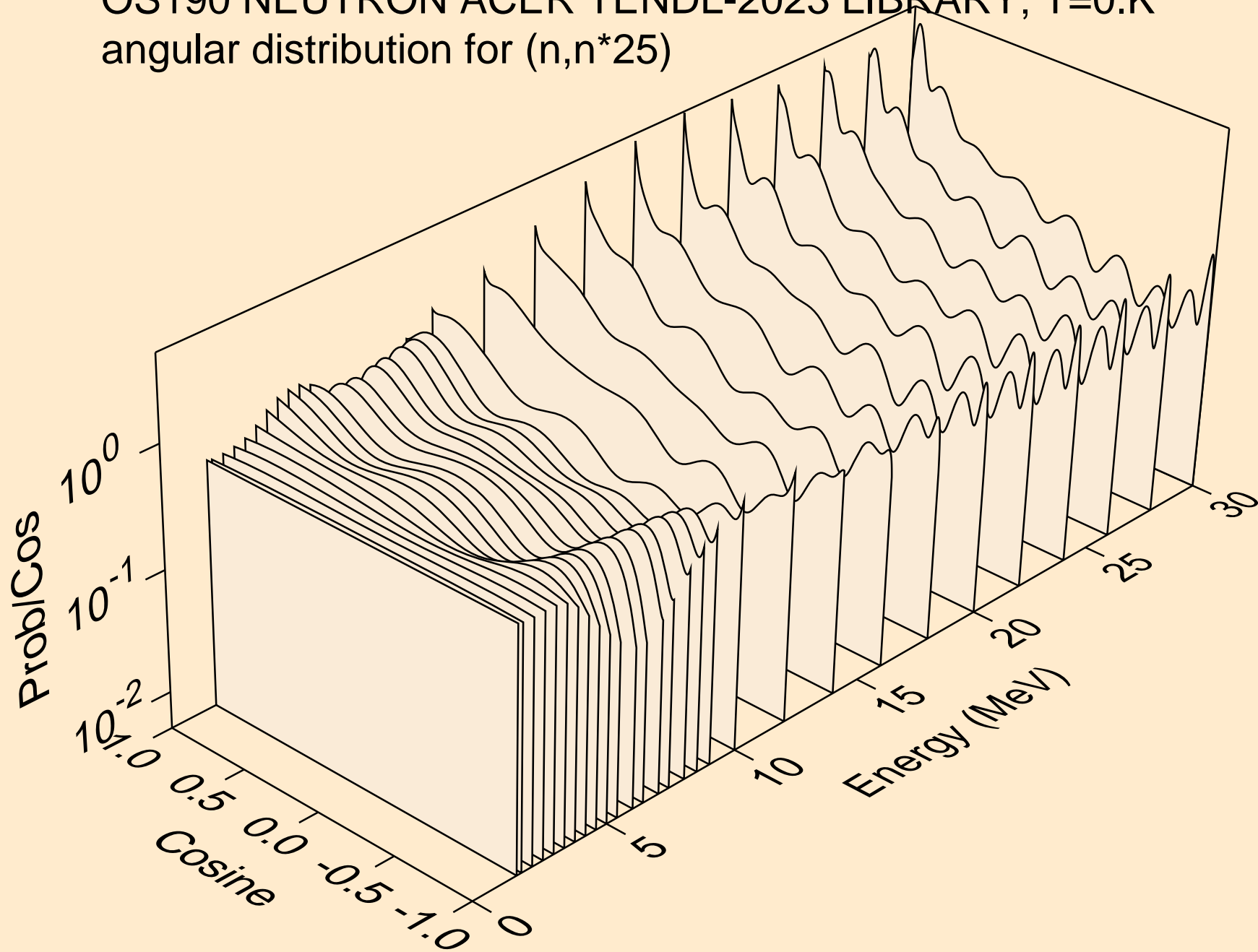
OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*23)



OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*24)

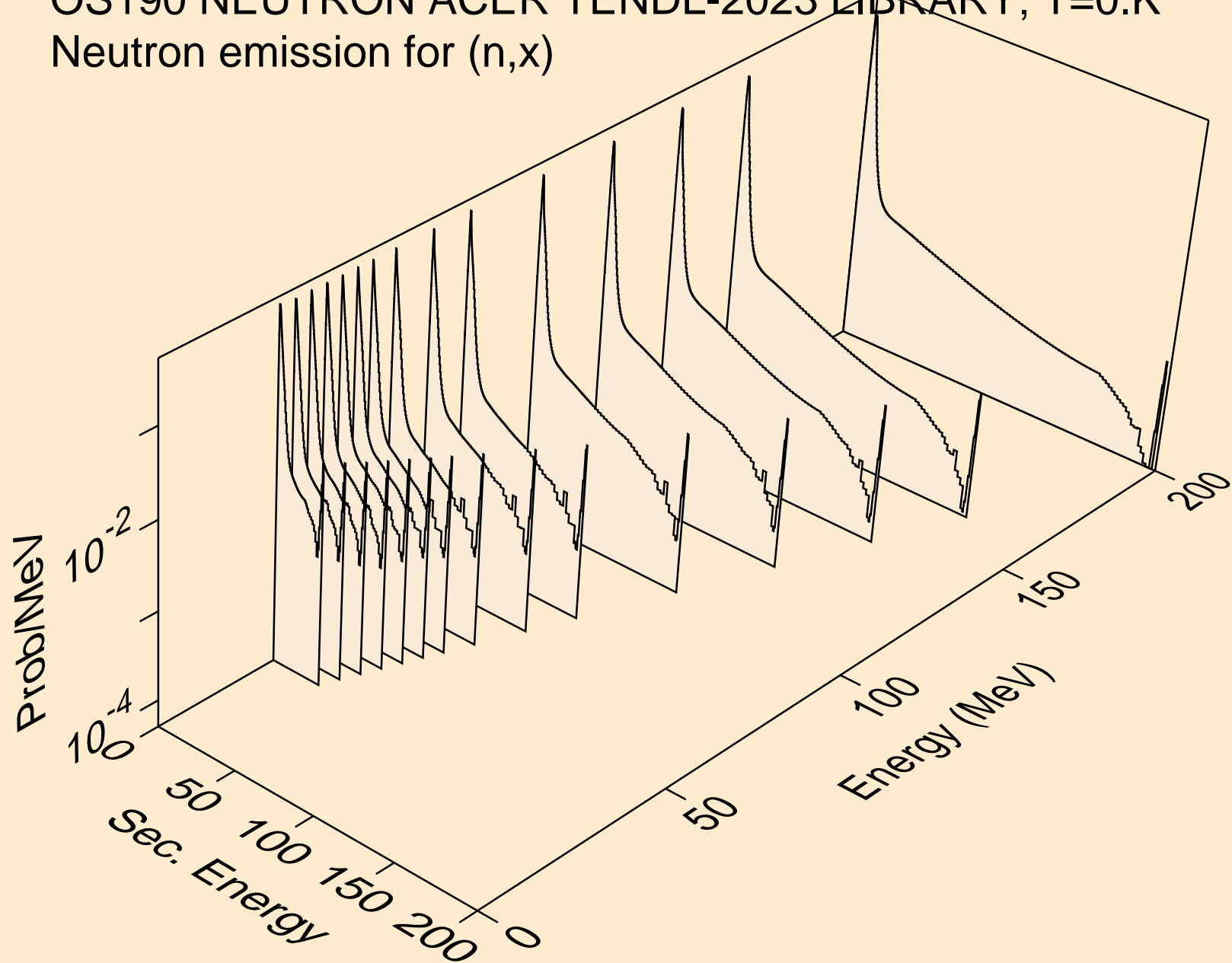


OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*25)

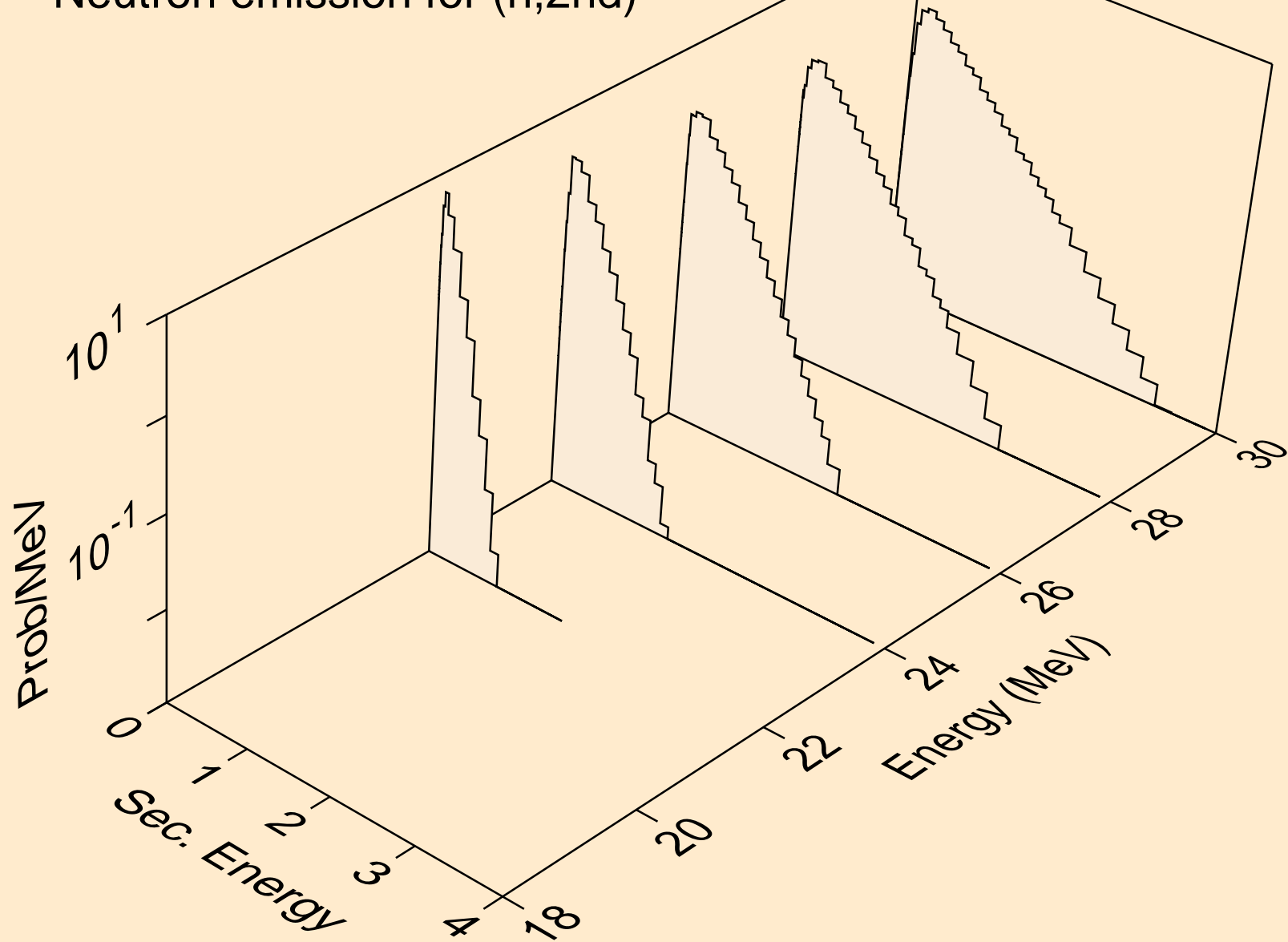




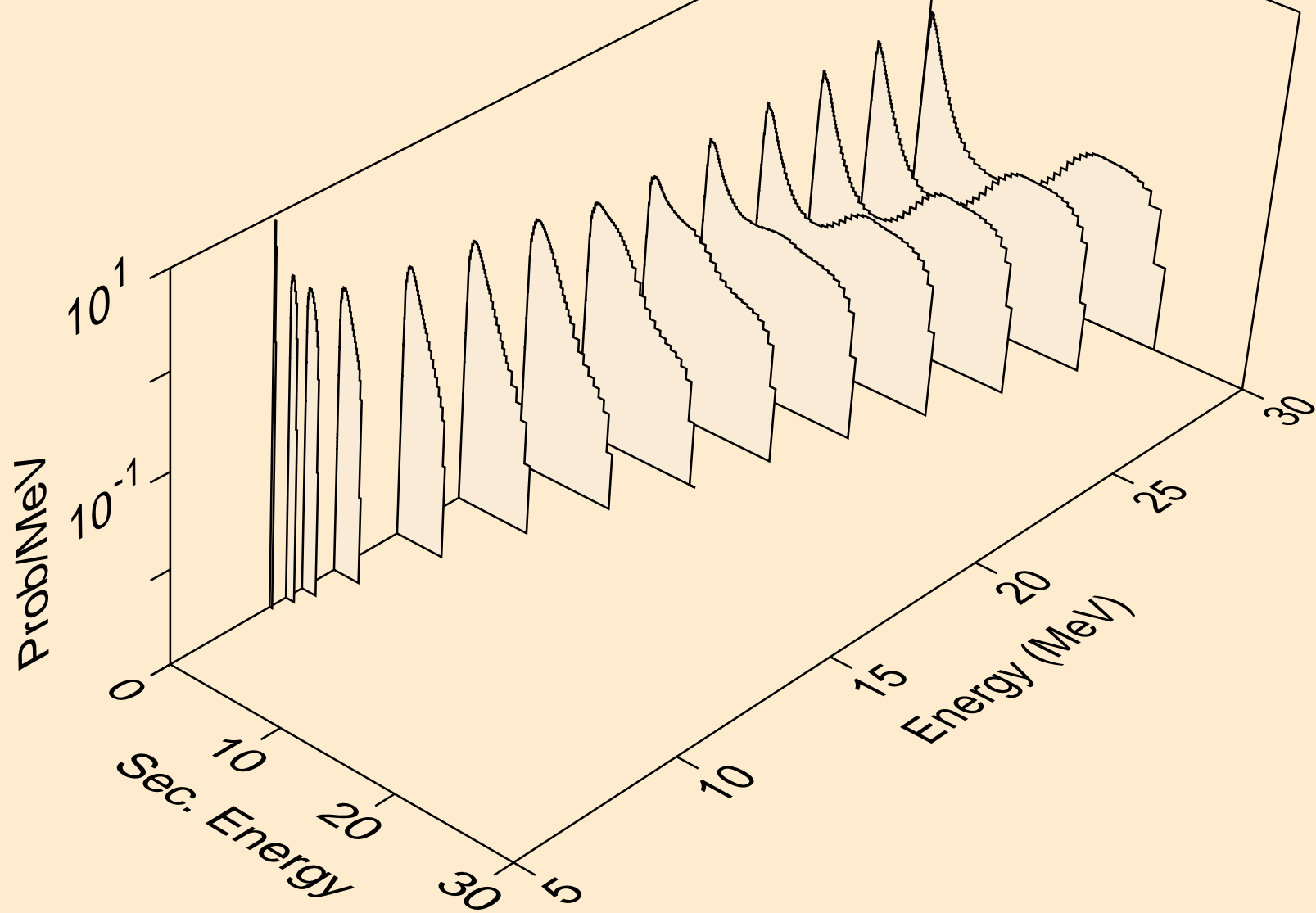
OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,x)



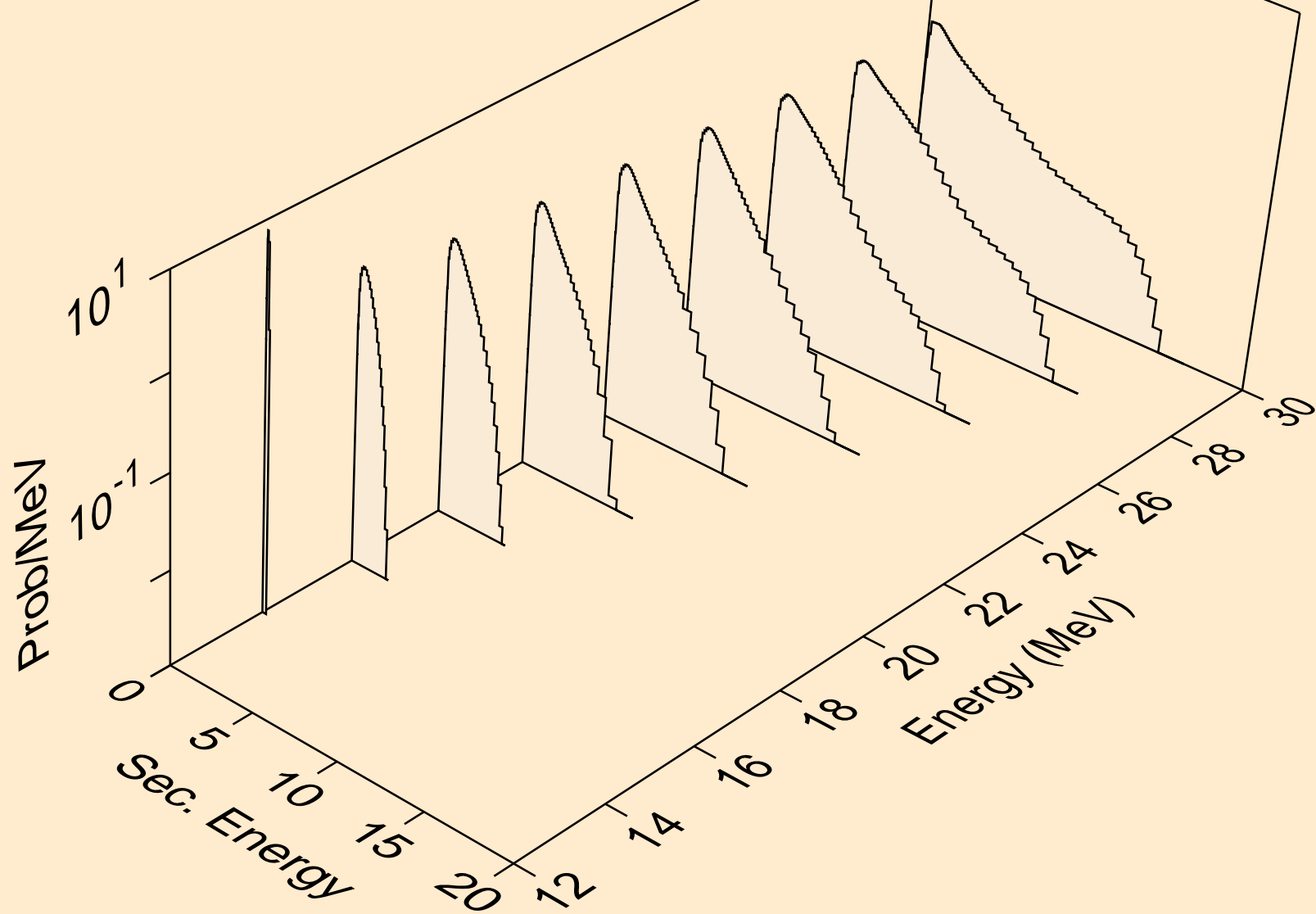
OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



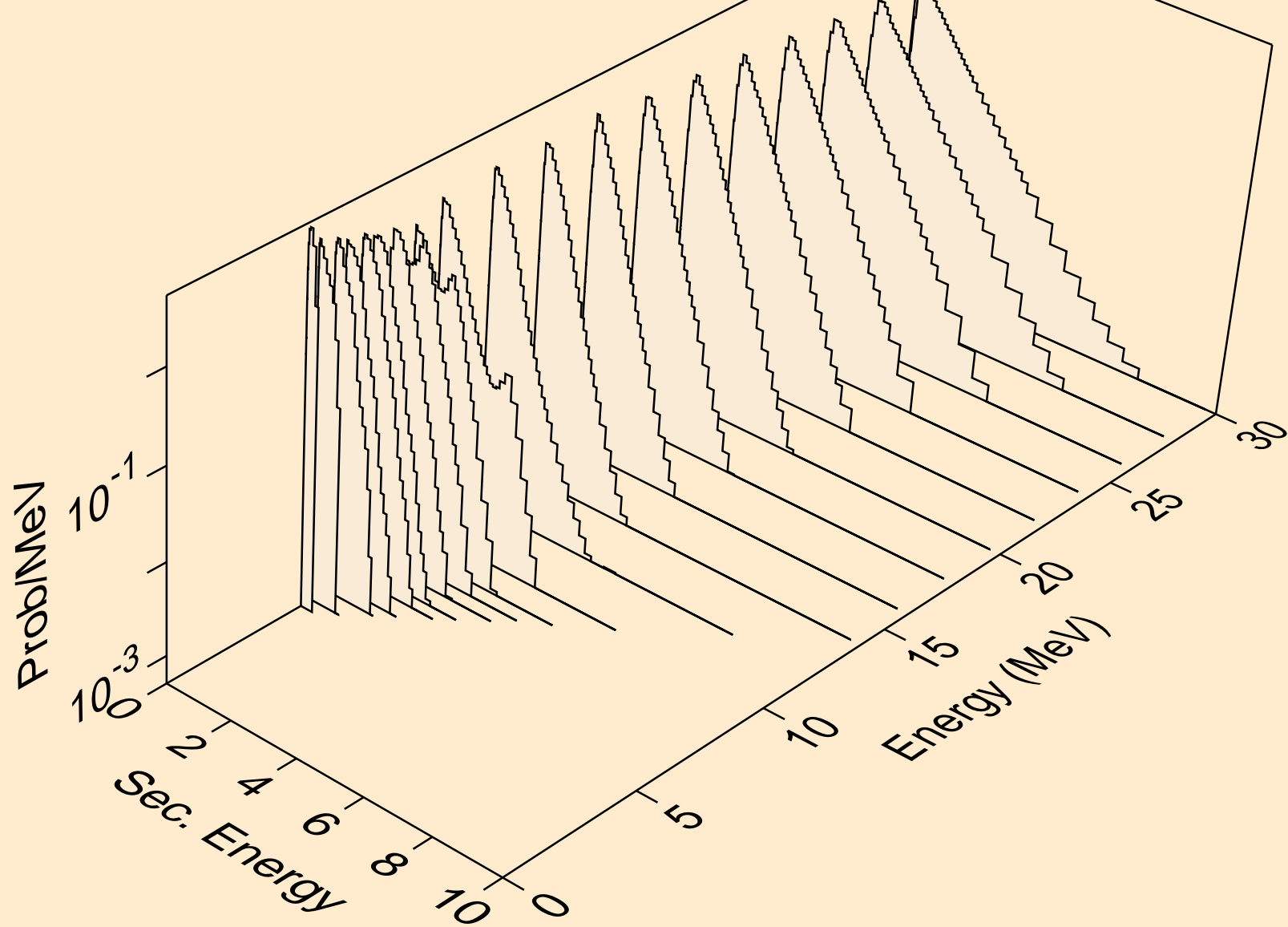
OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)



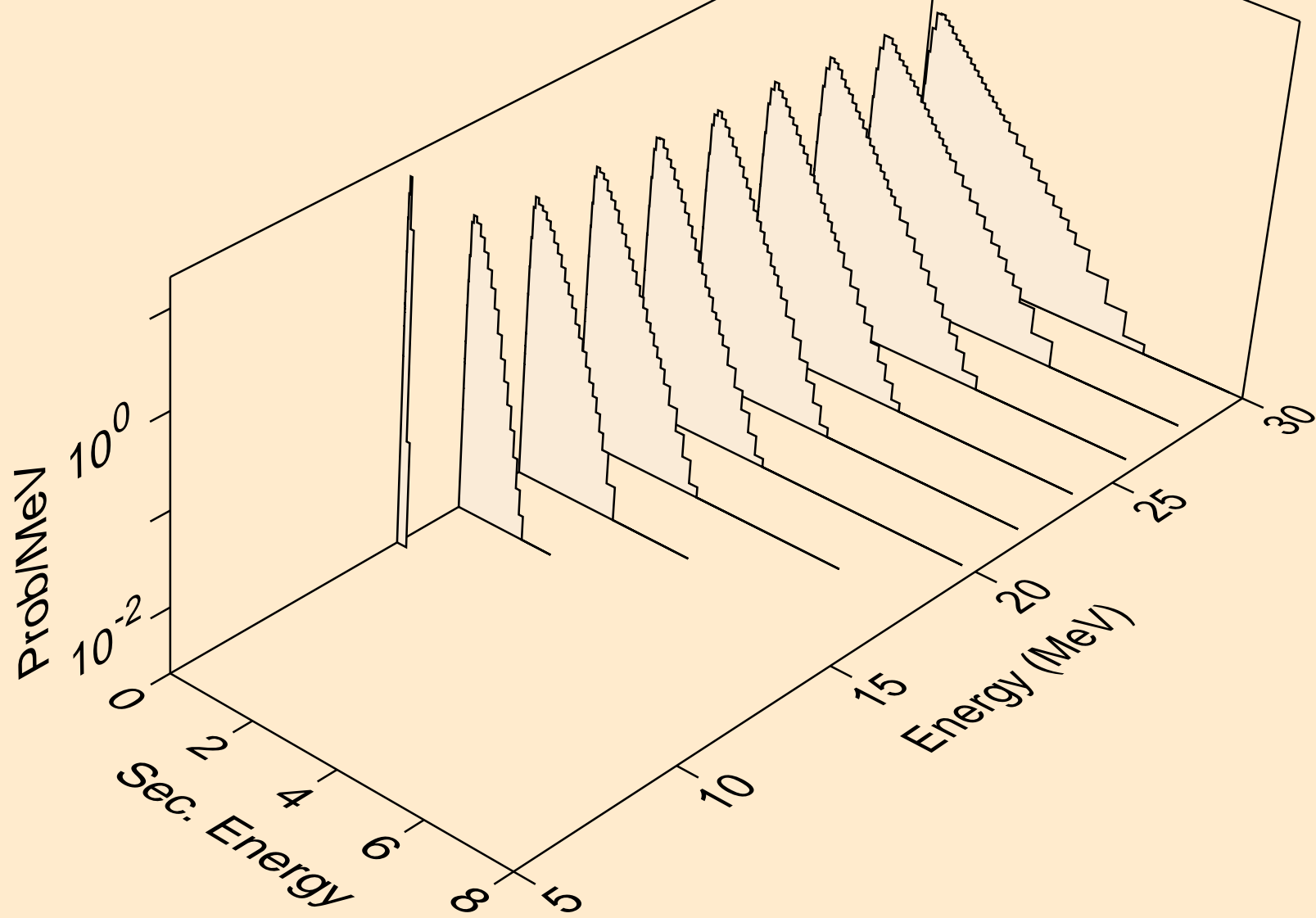
OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)



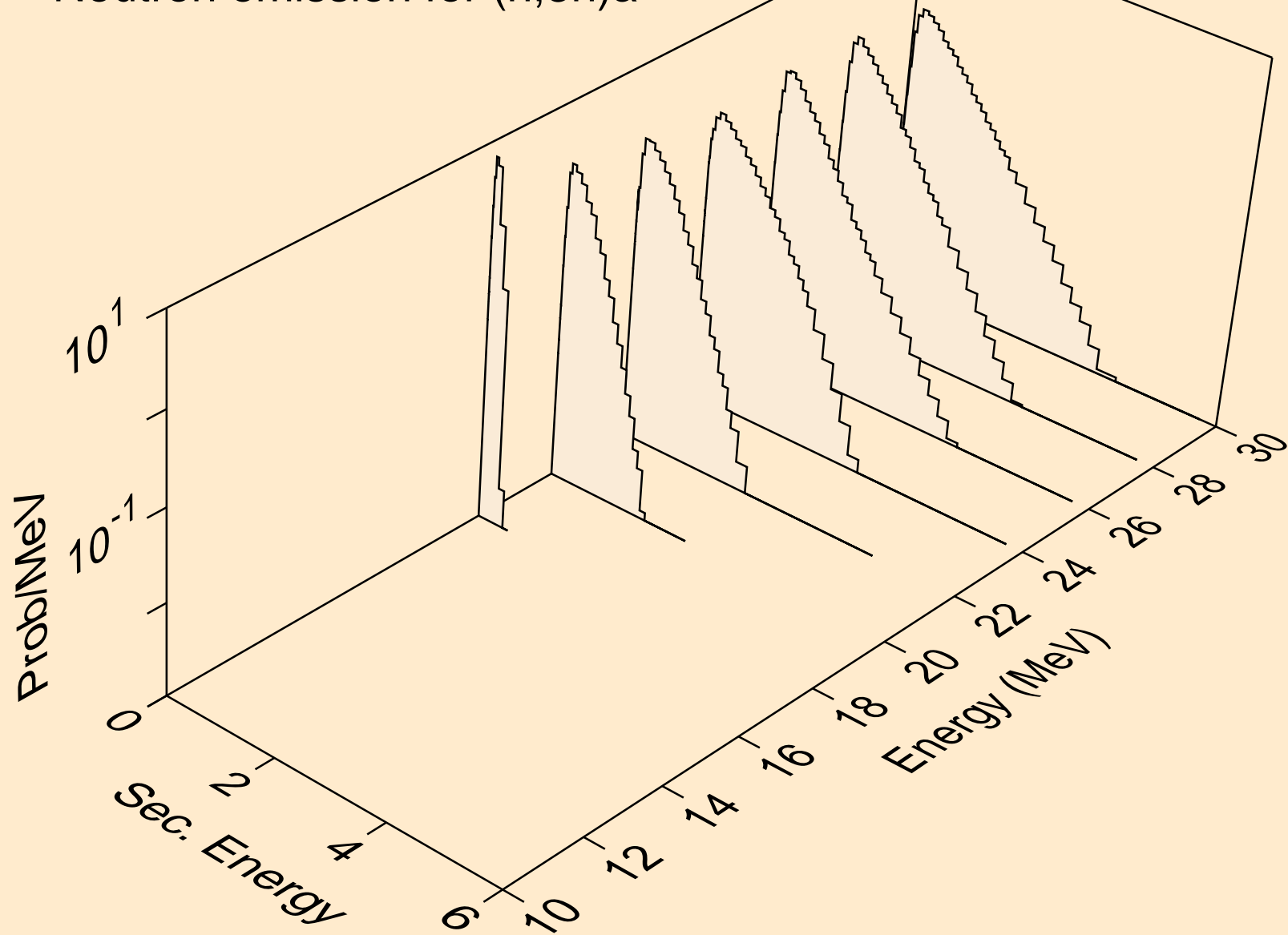
OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



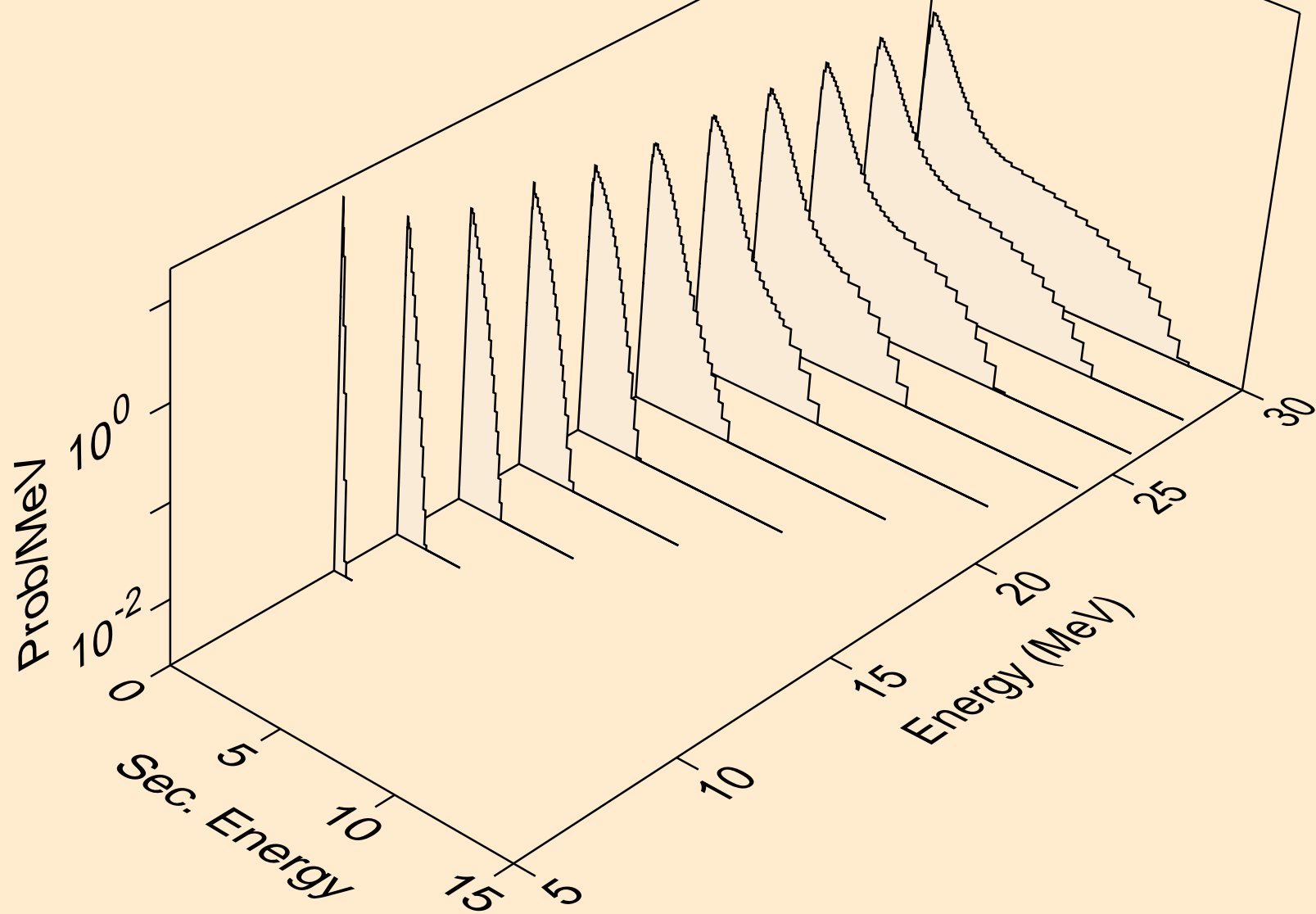
OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)a



OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)a

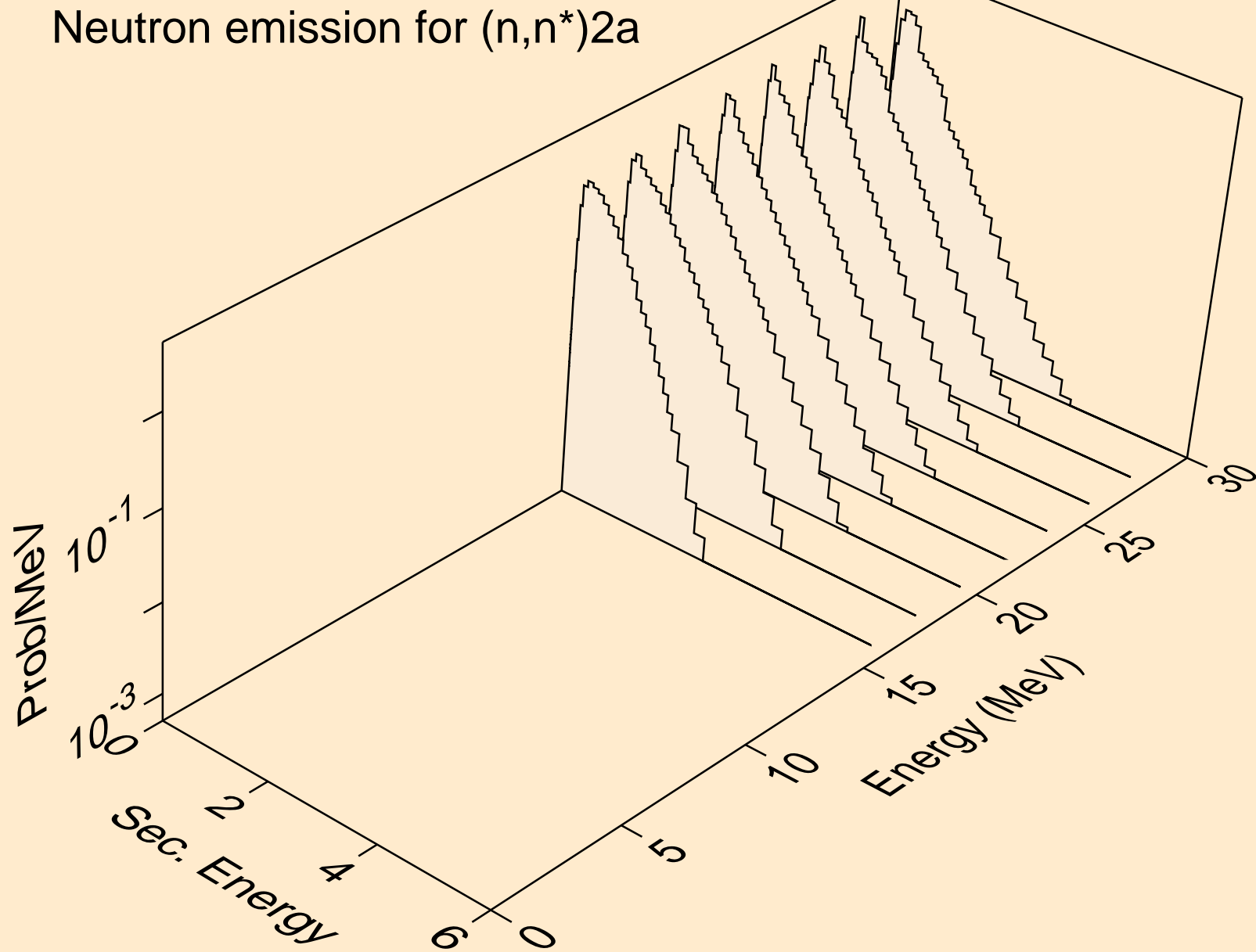


OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p

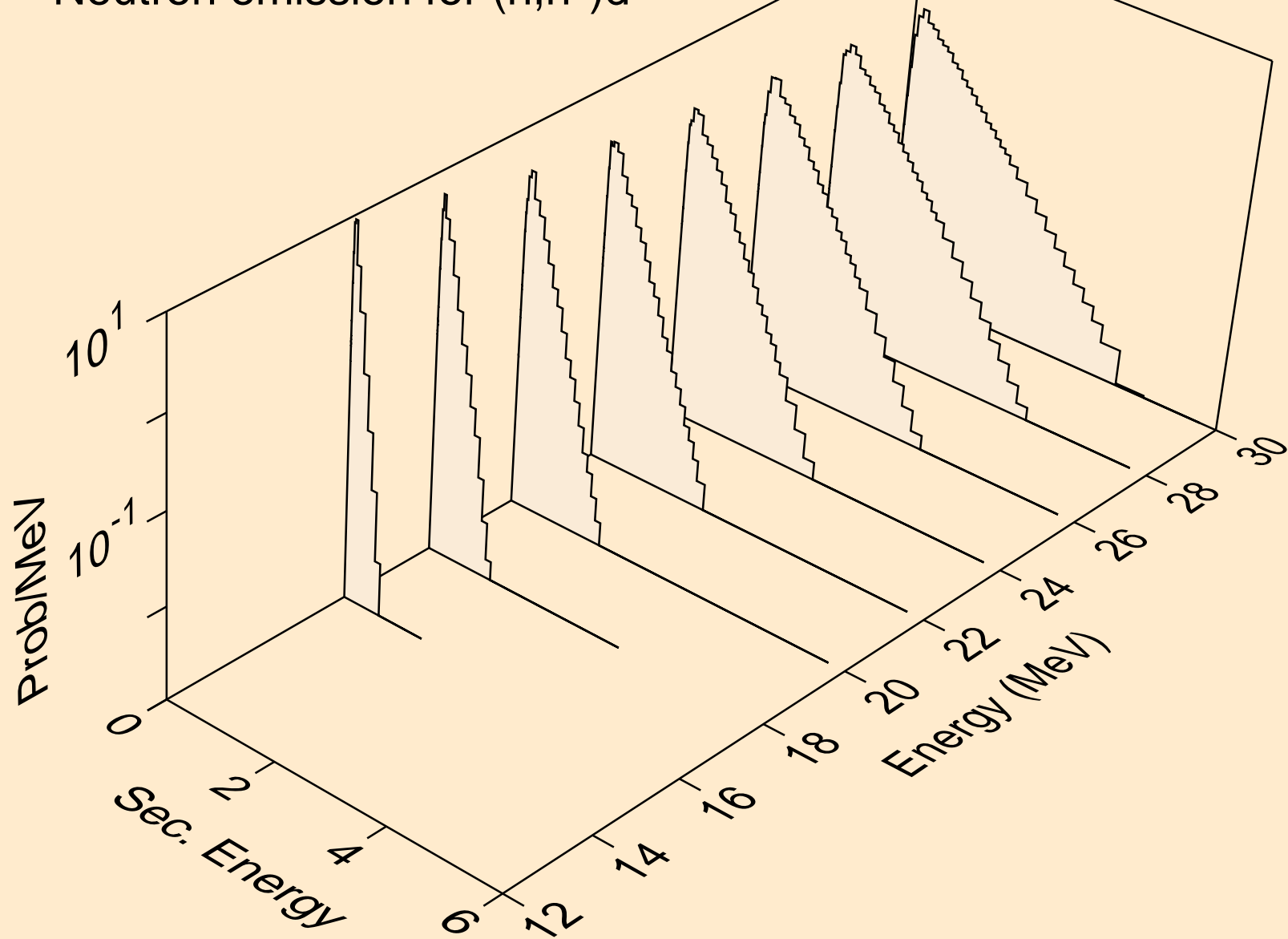




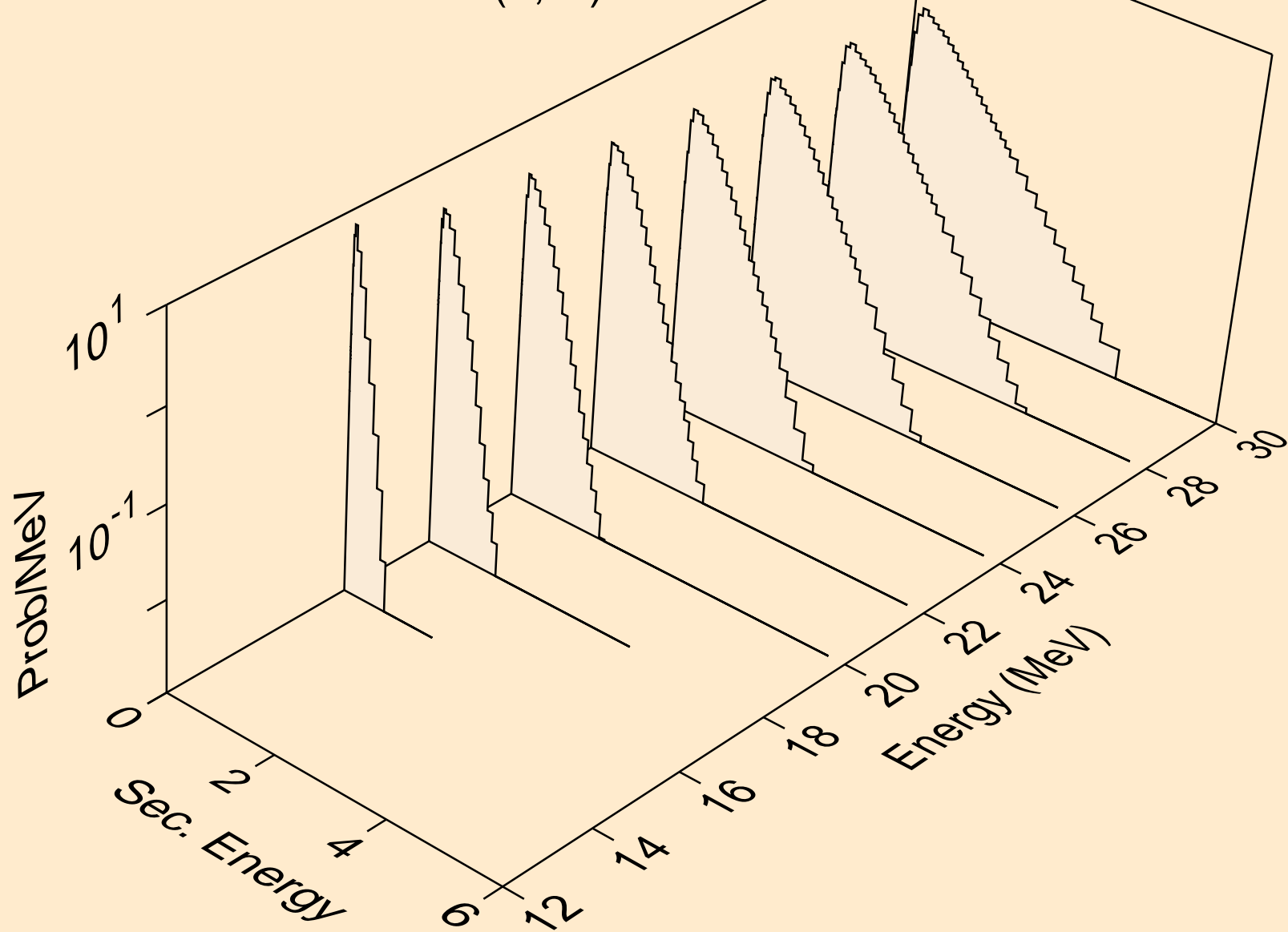
OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)2a



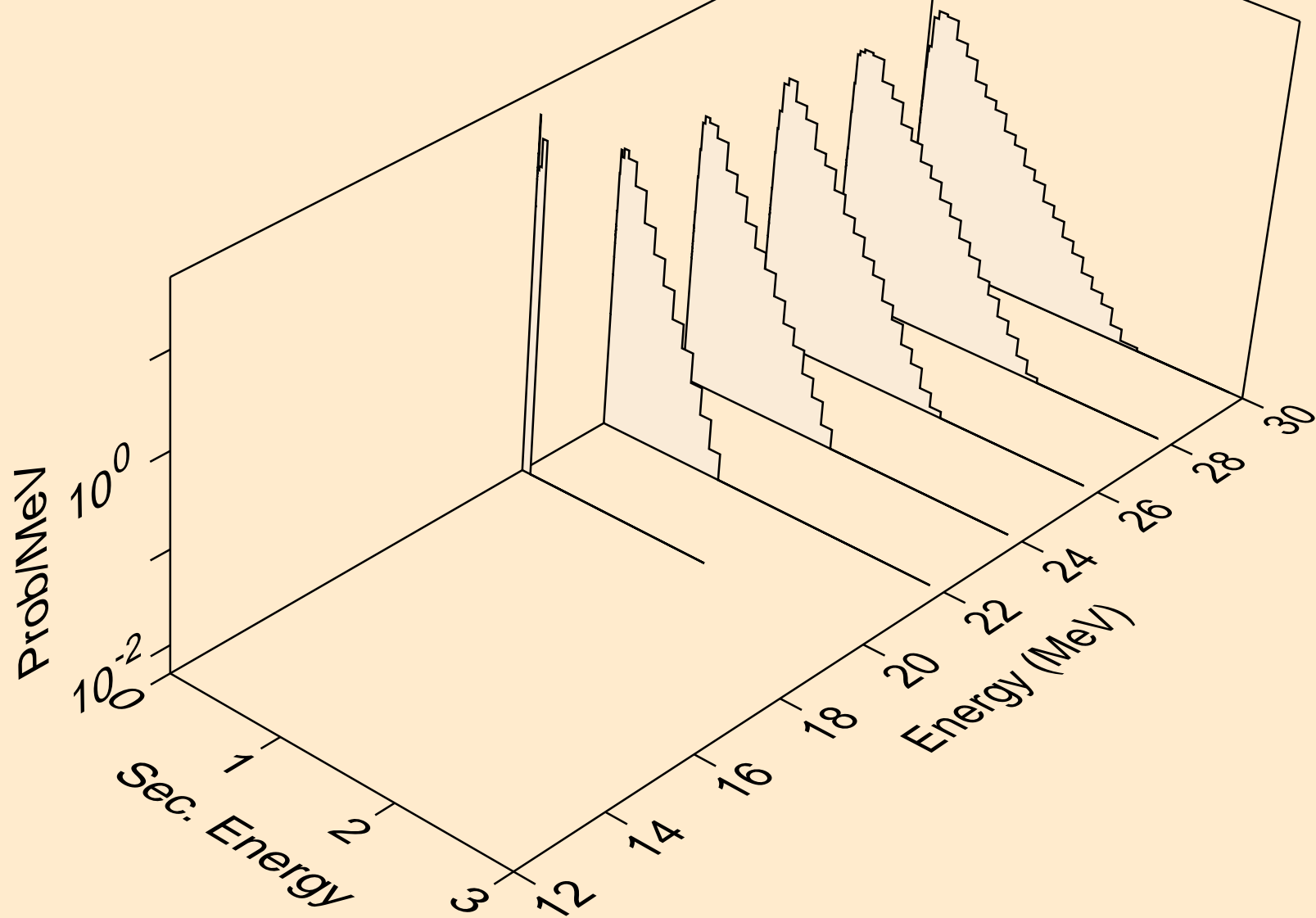
OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d



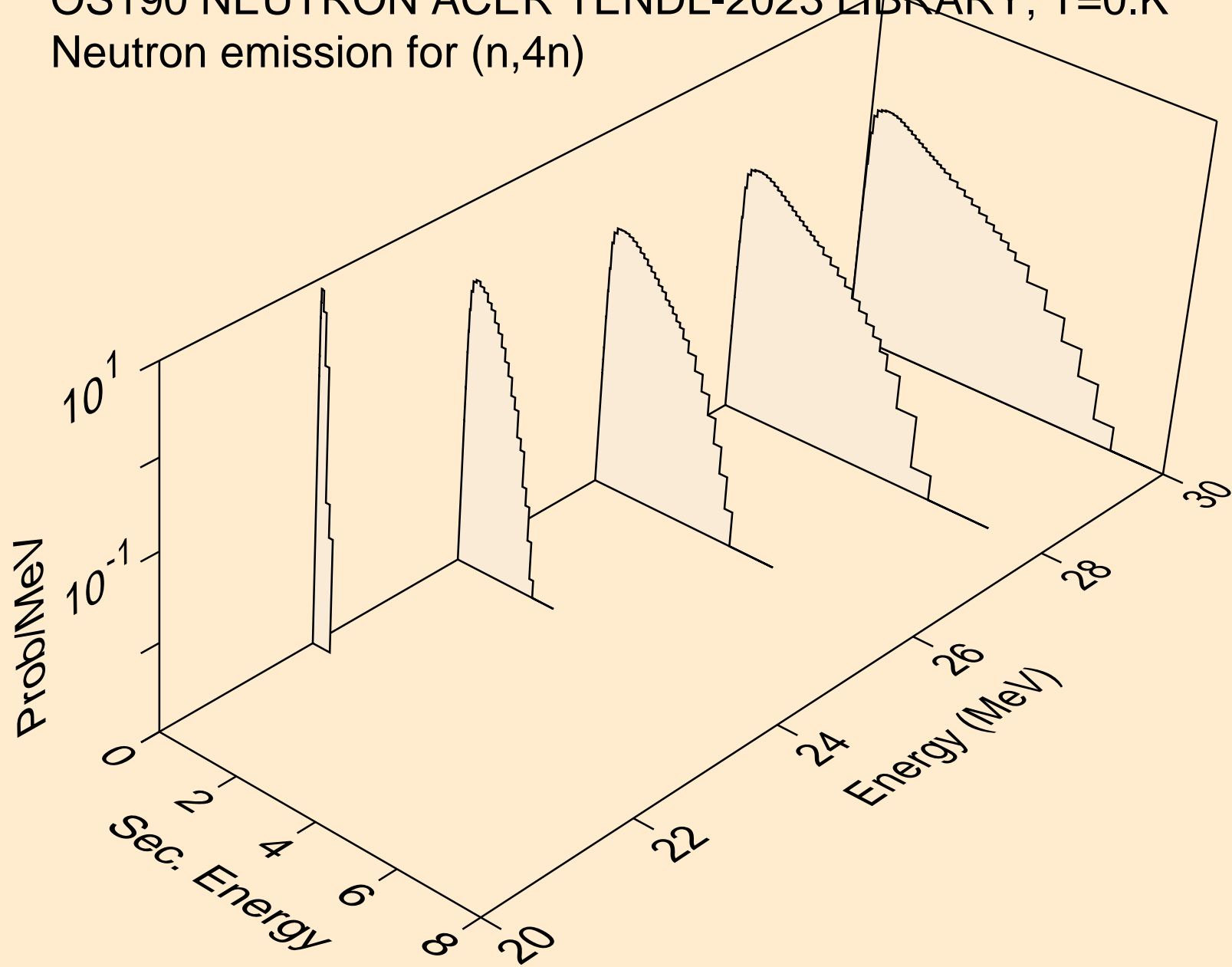
OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



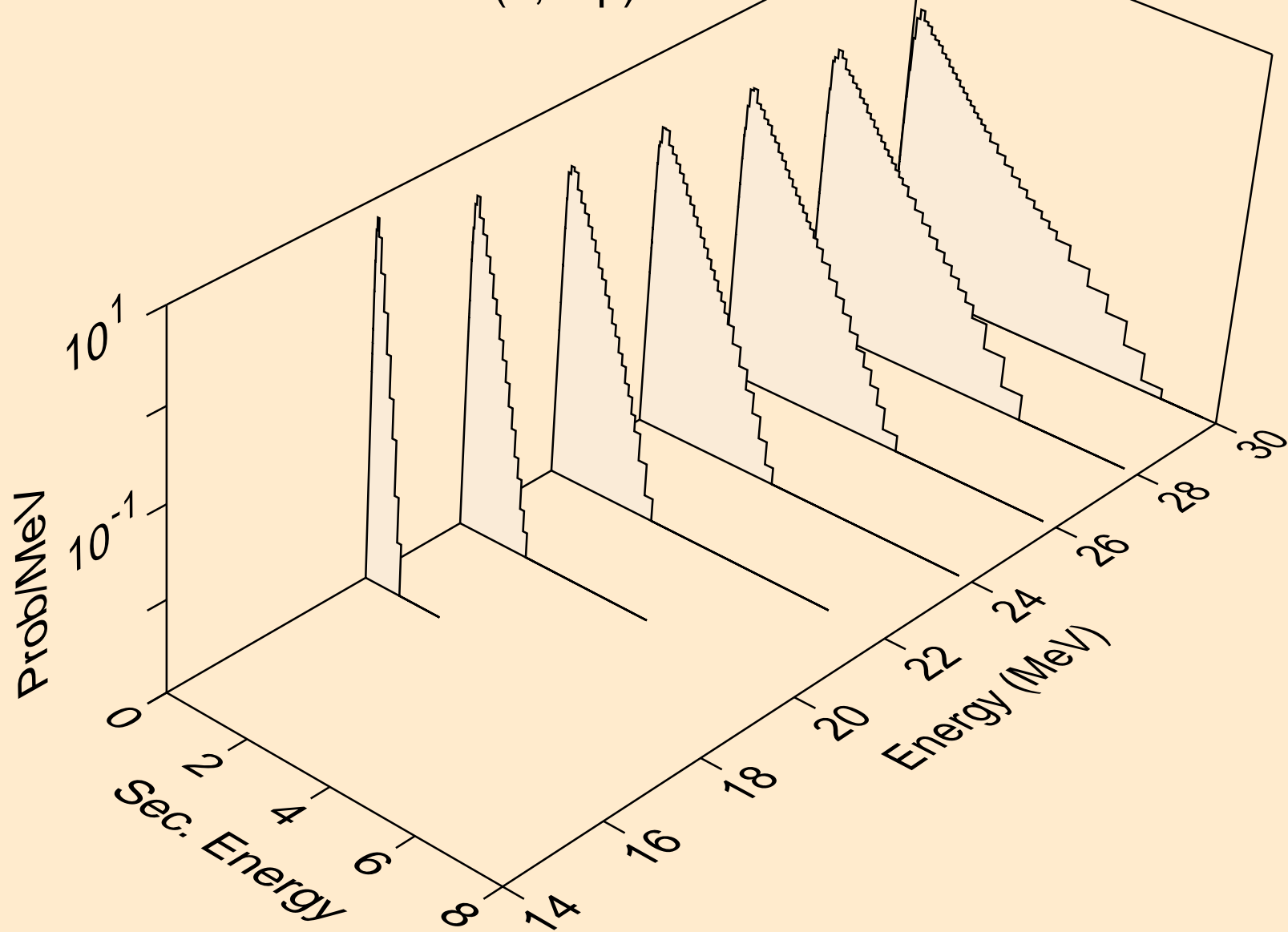
OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



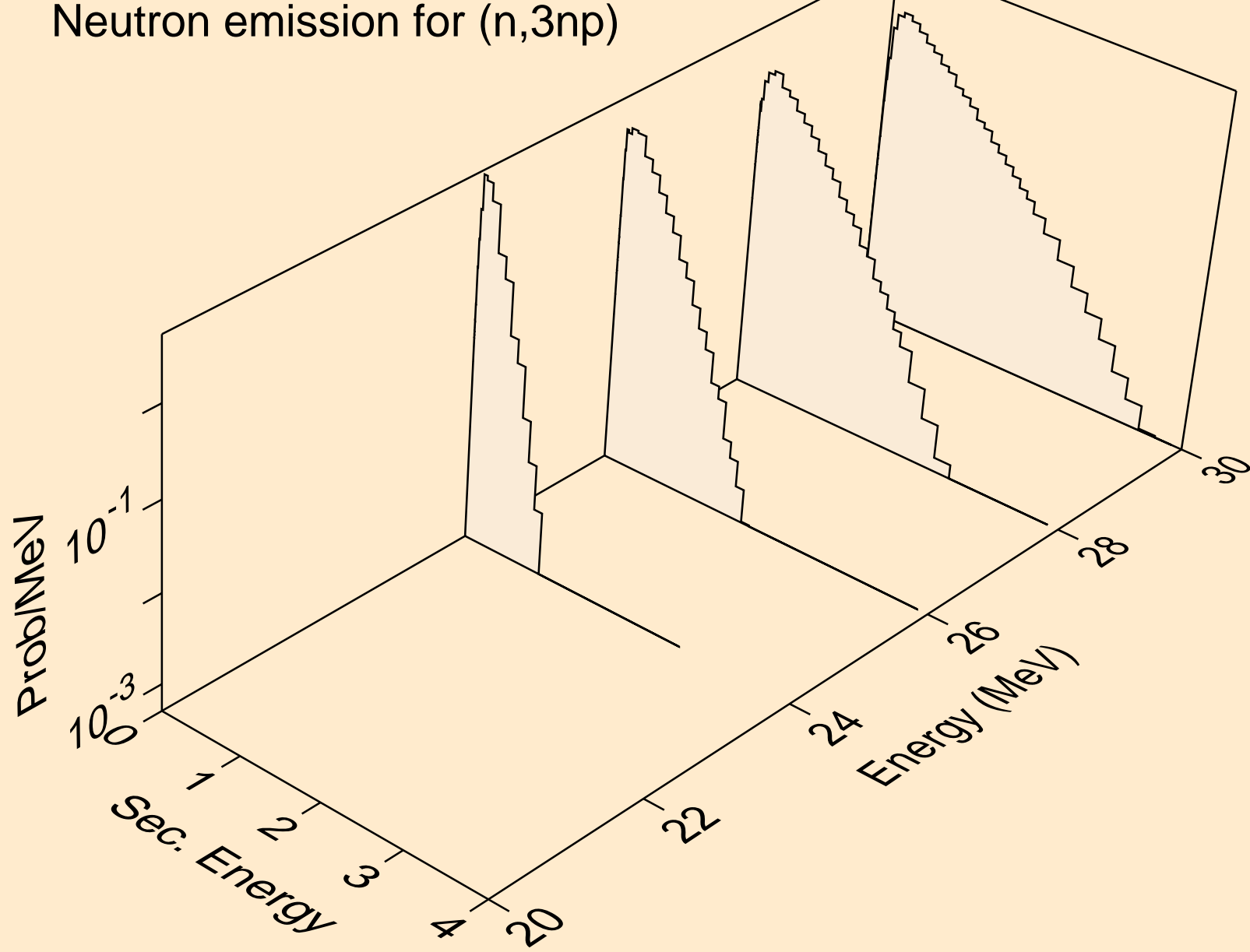
OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,4n)



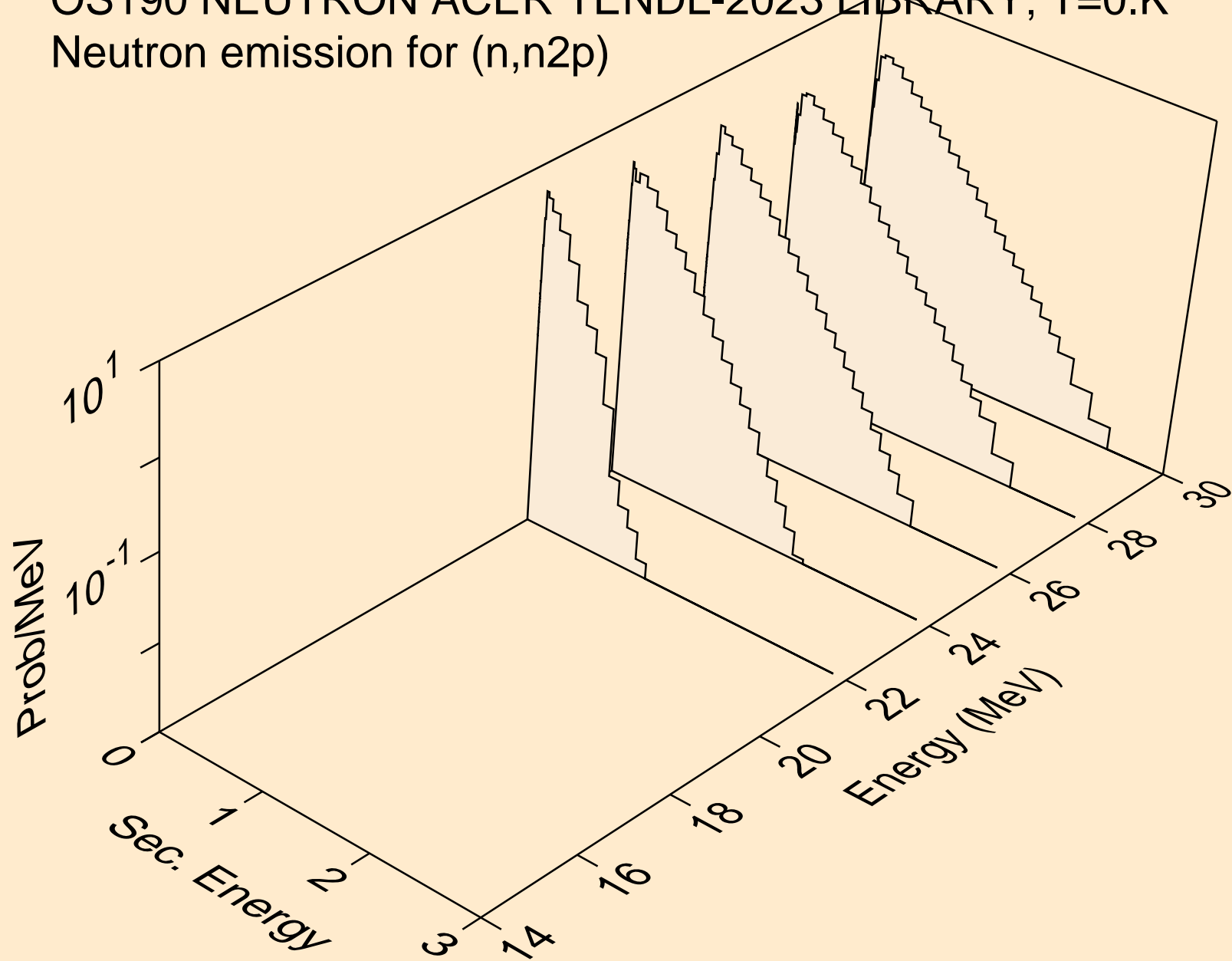
OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2np)



OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3np)

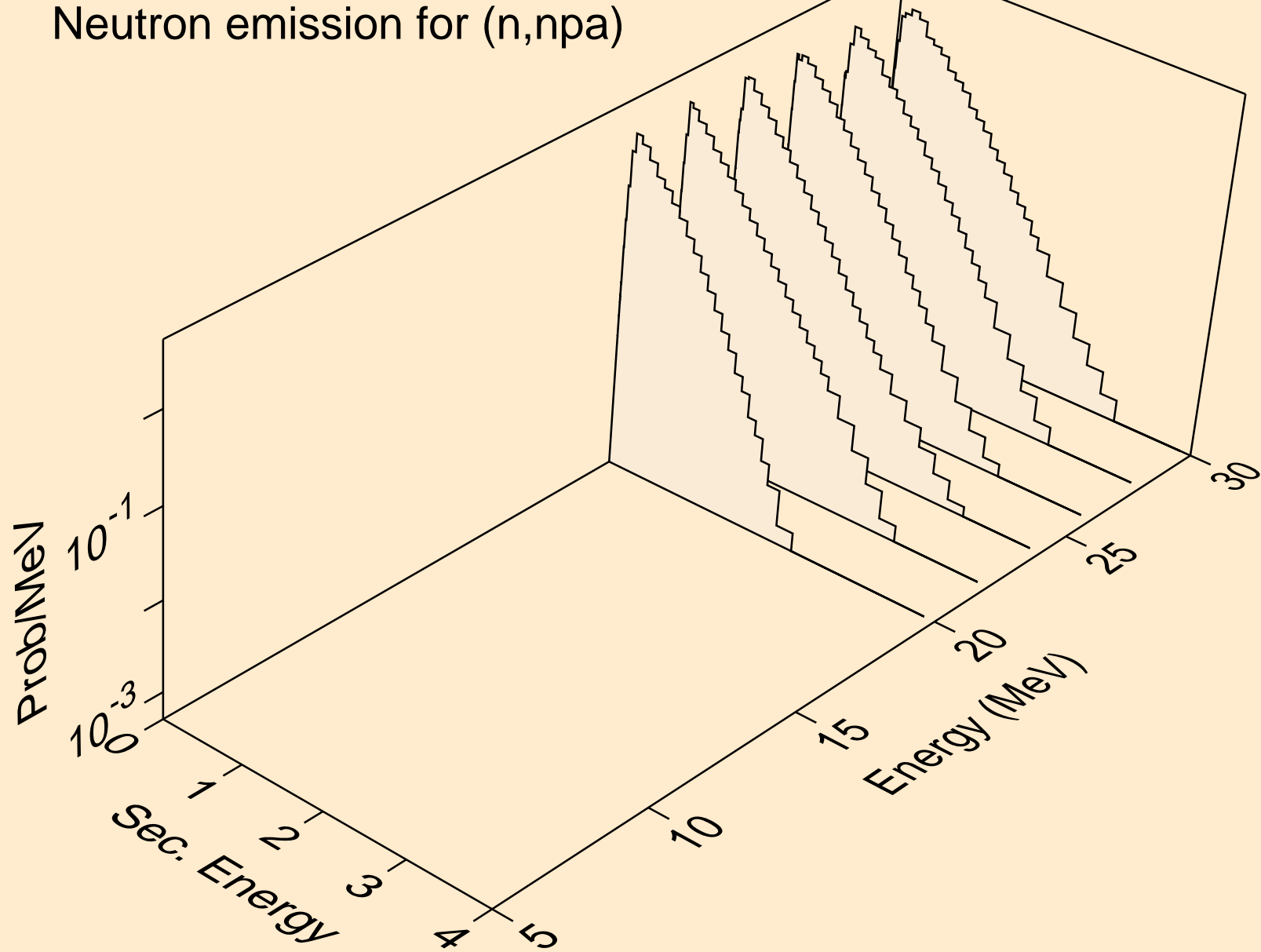


OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n2p)

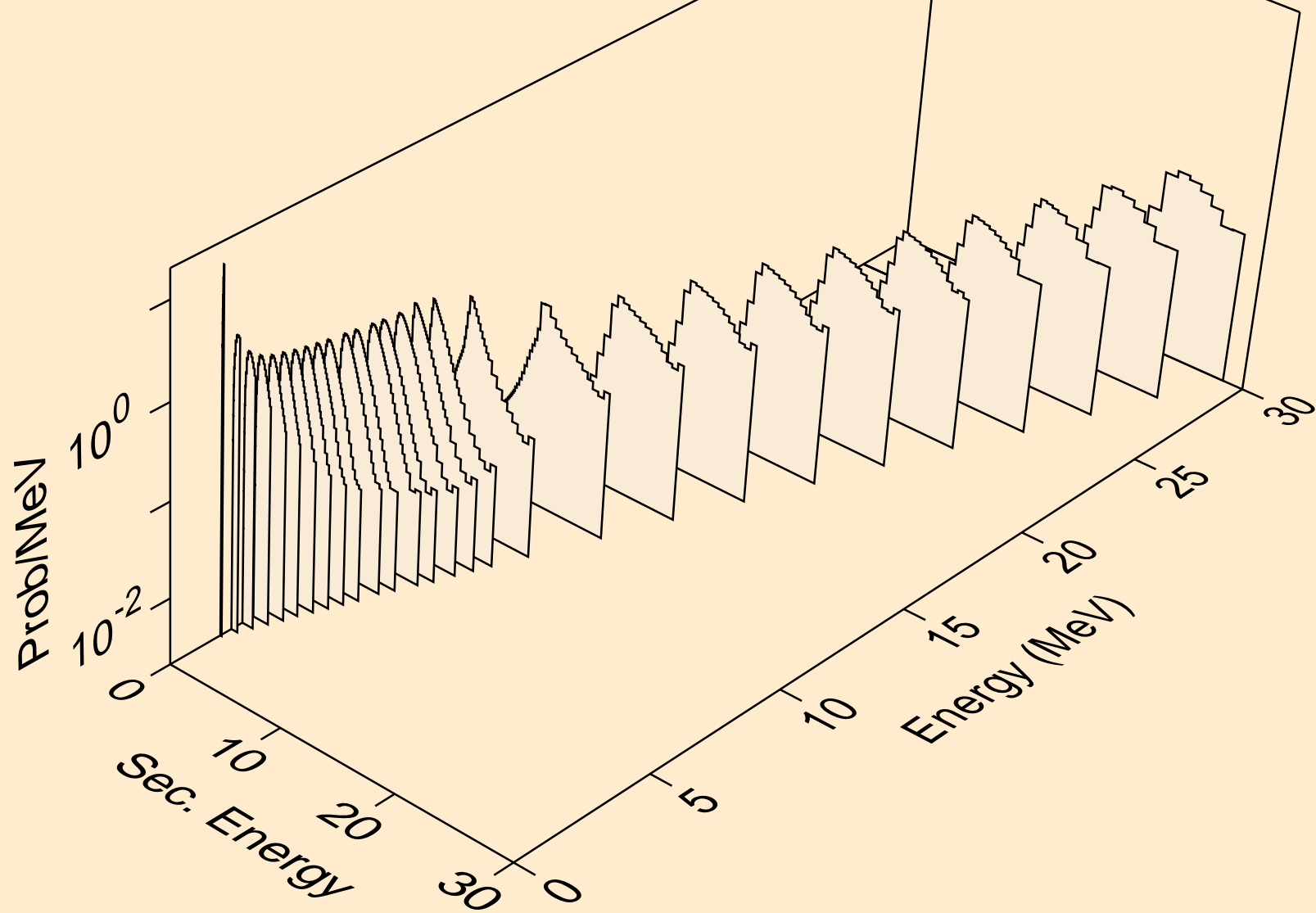




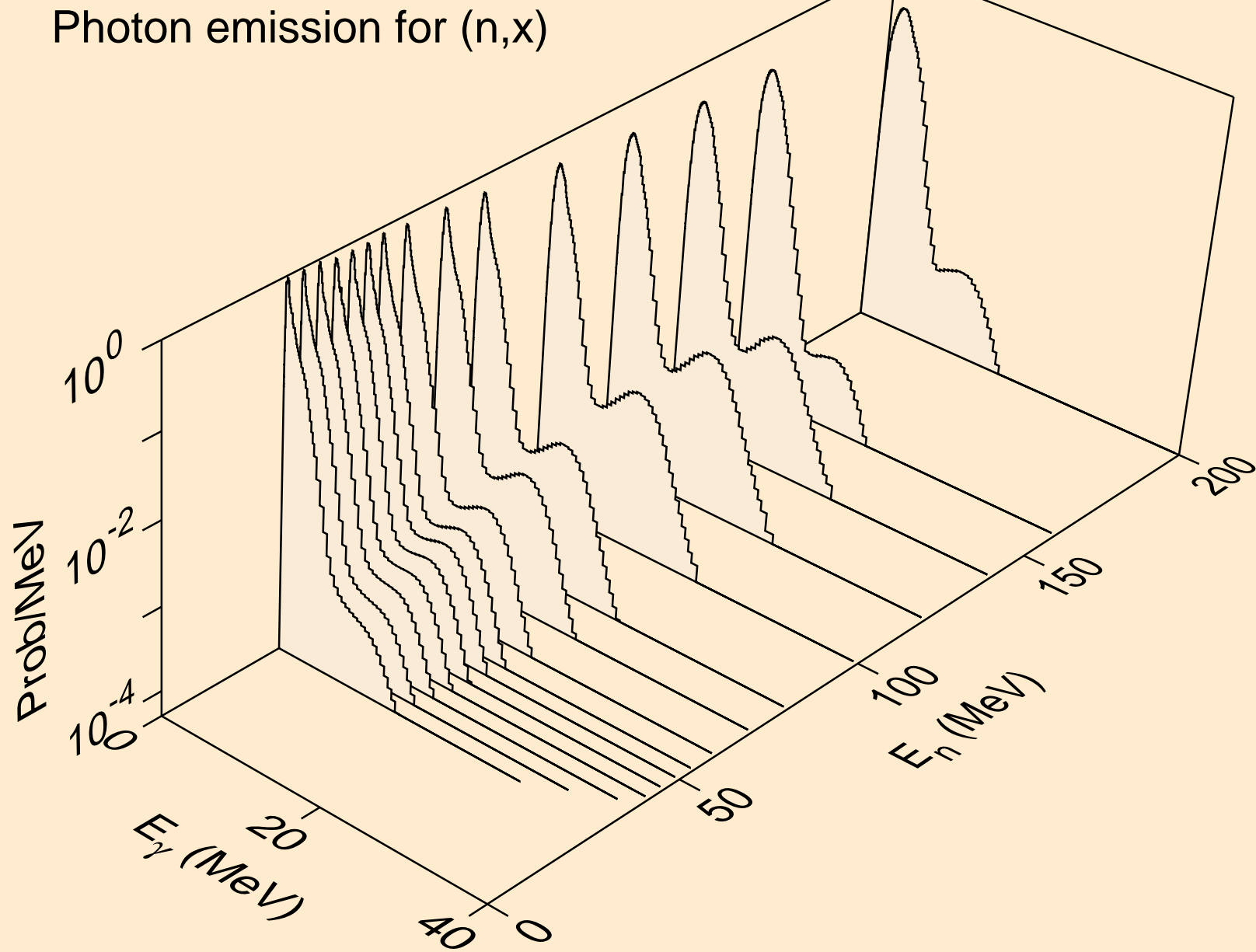
OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,npa)



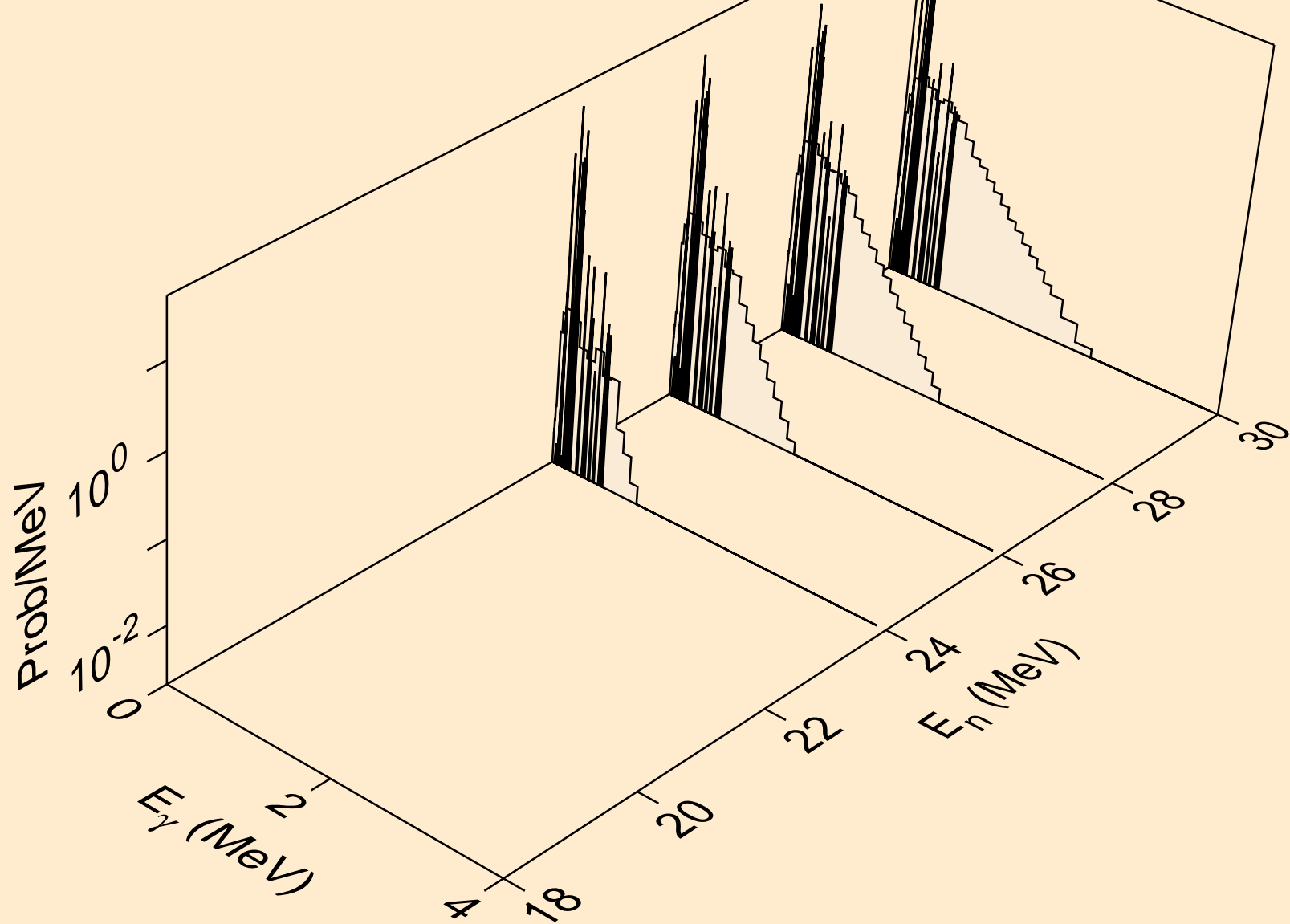
OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)



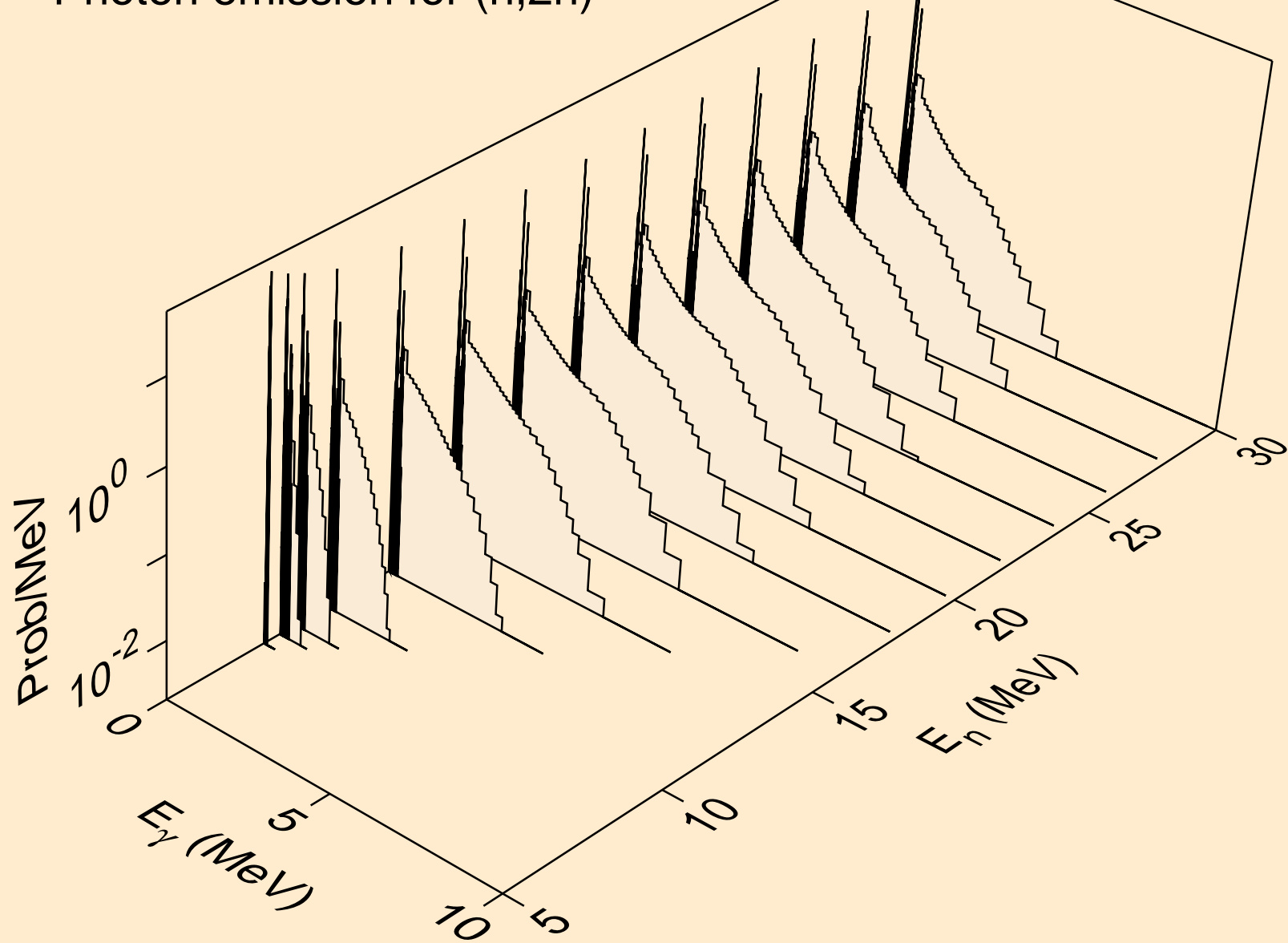
OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,x)



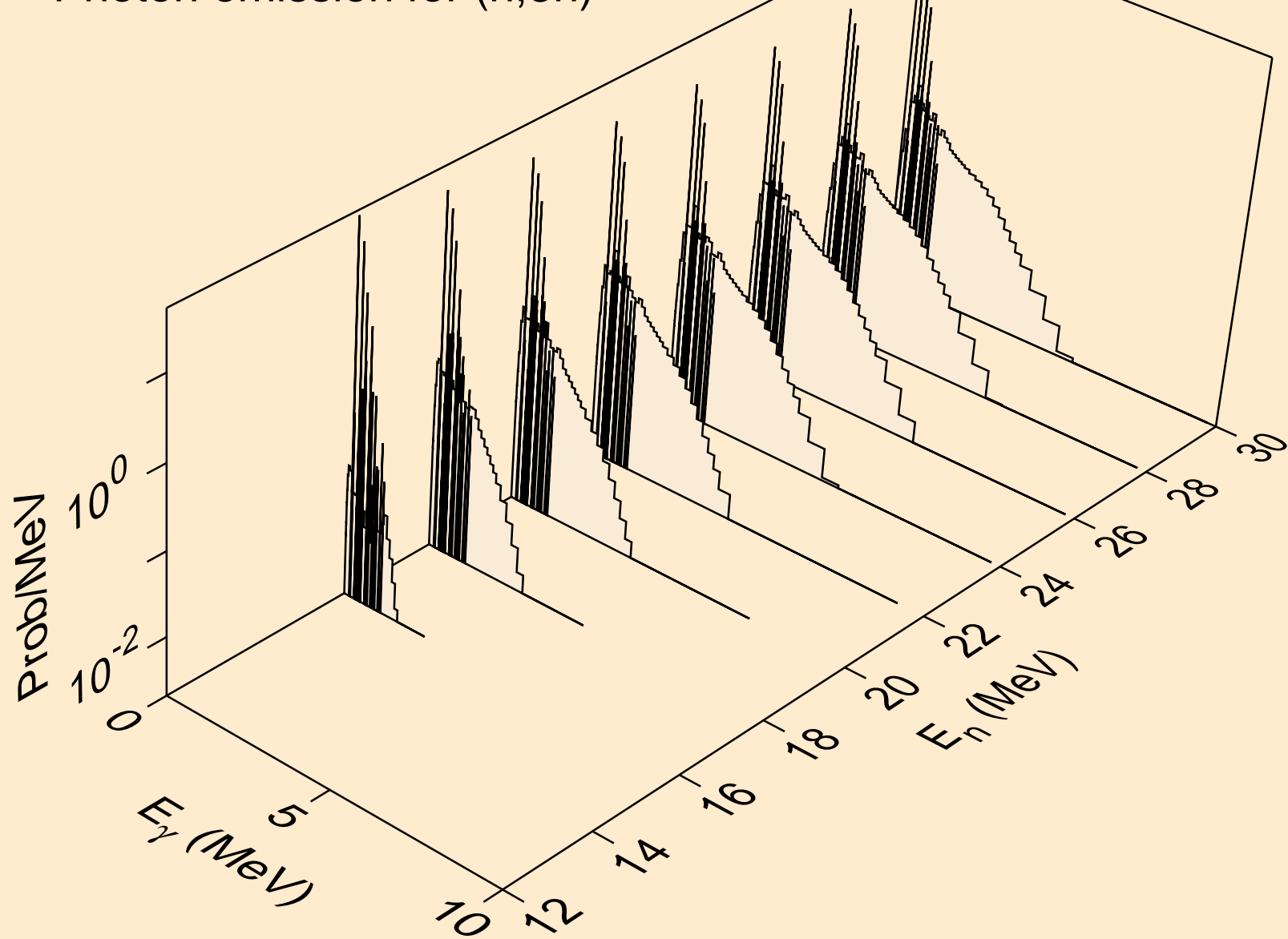
OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



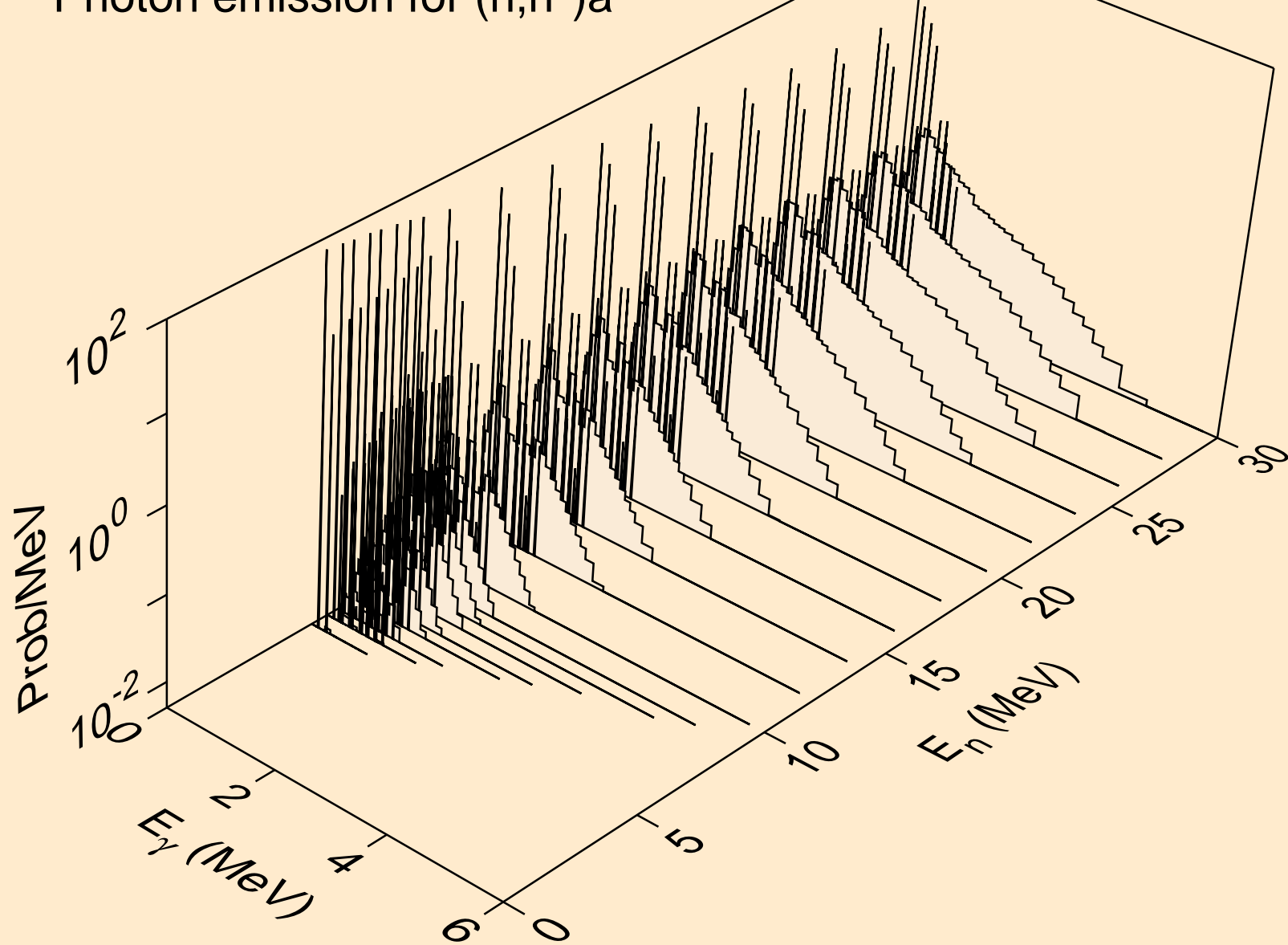
OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



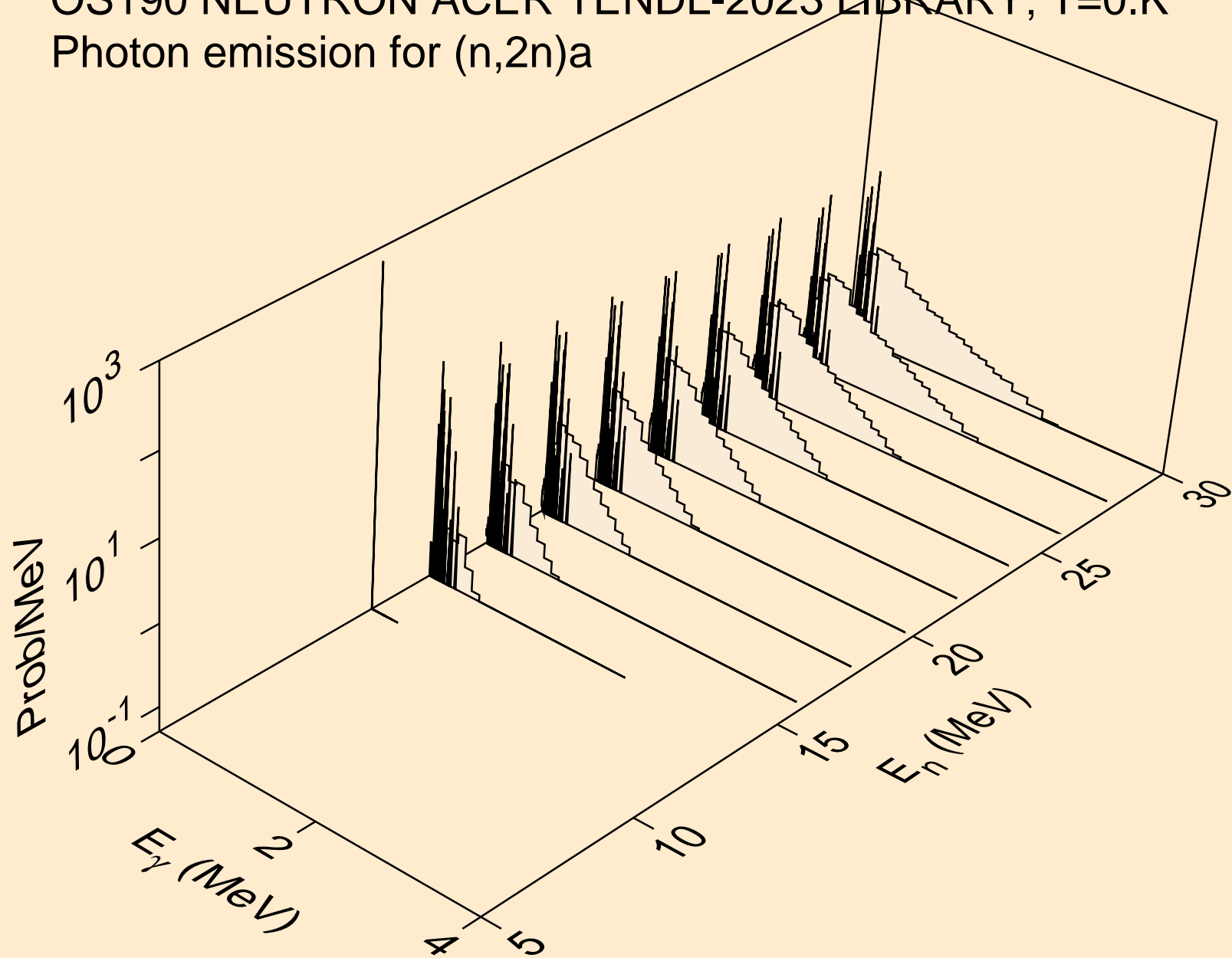
OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a

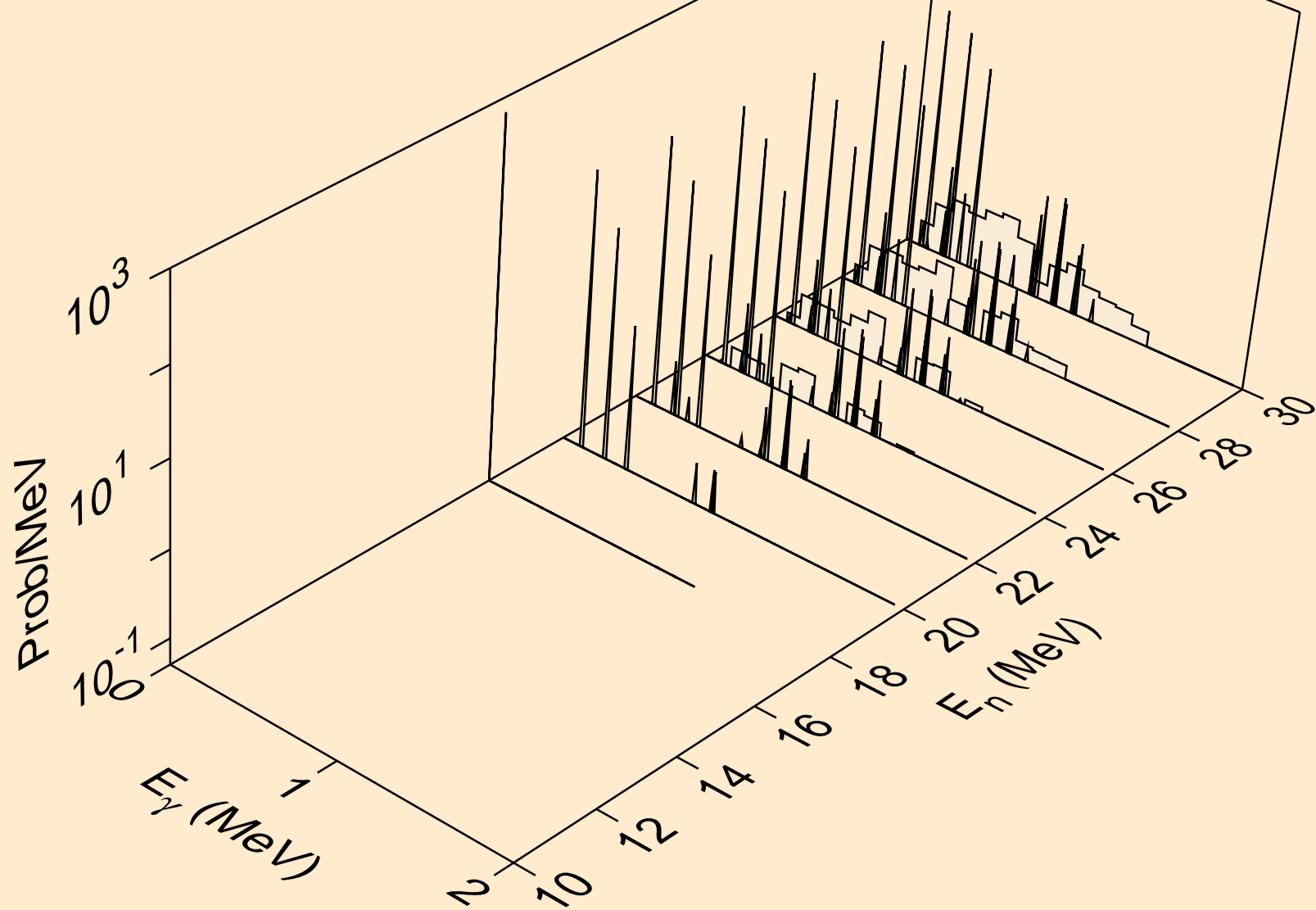


OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a

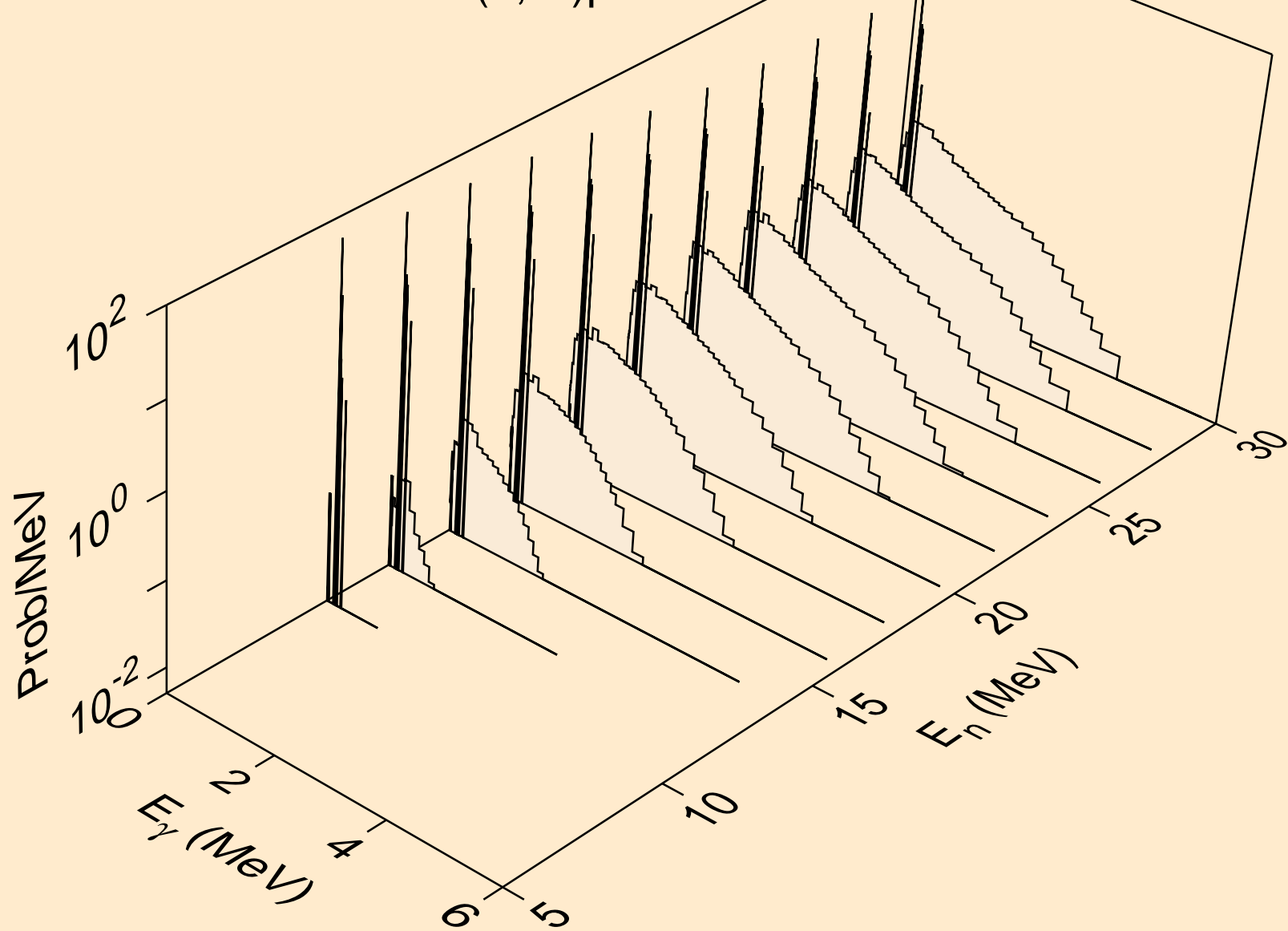




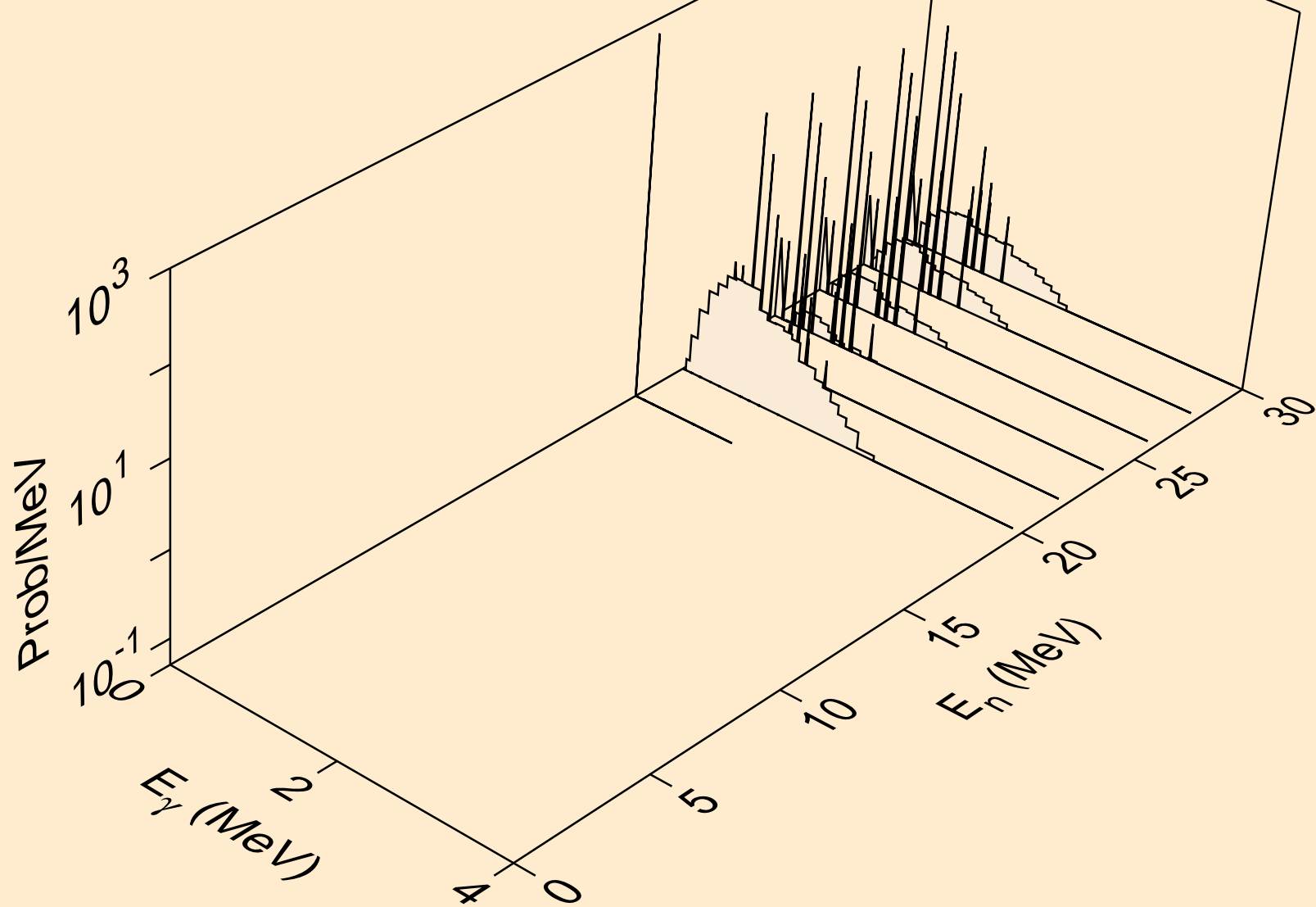
OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)a



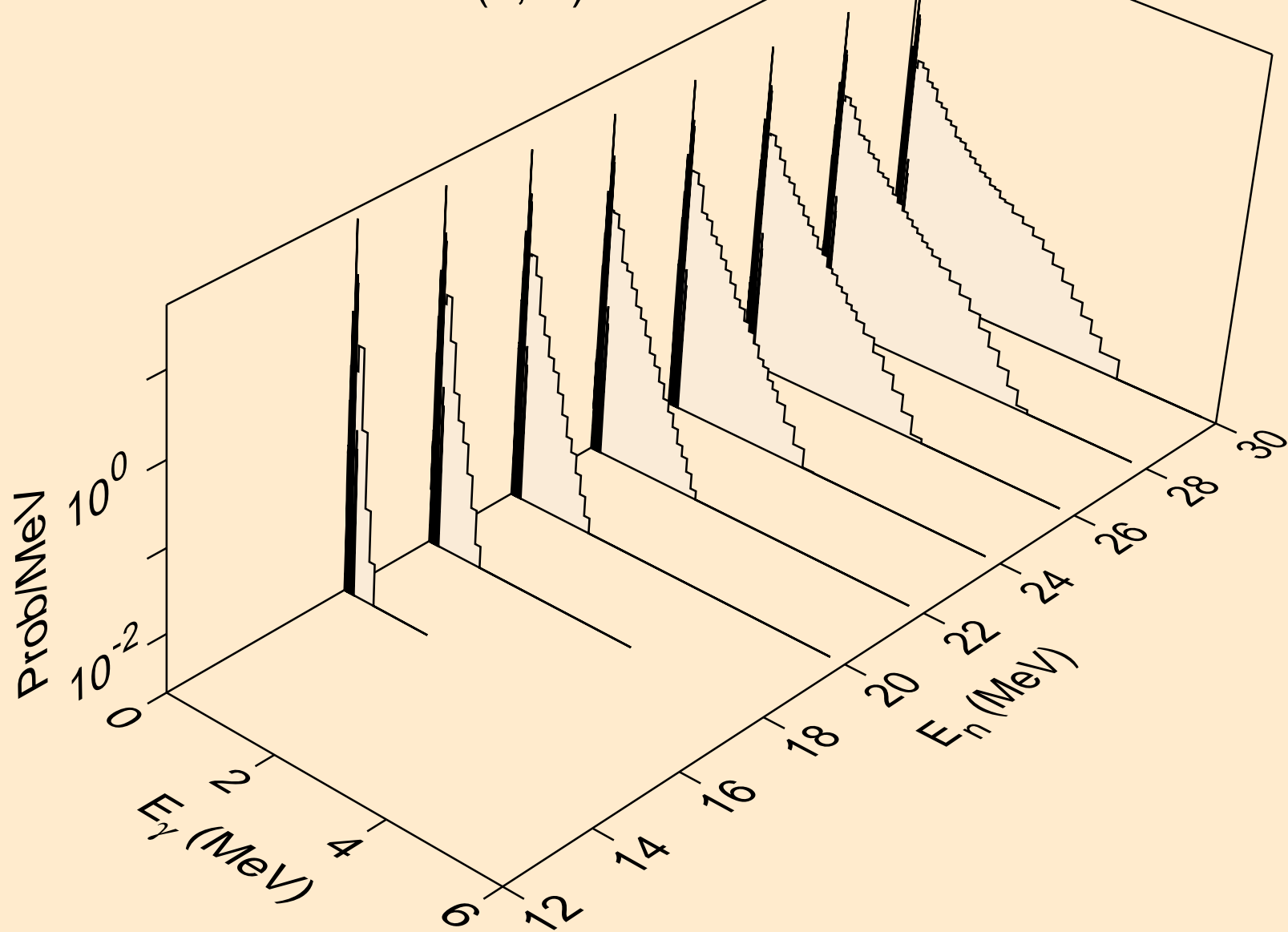
OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



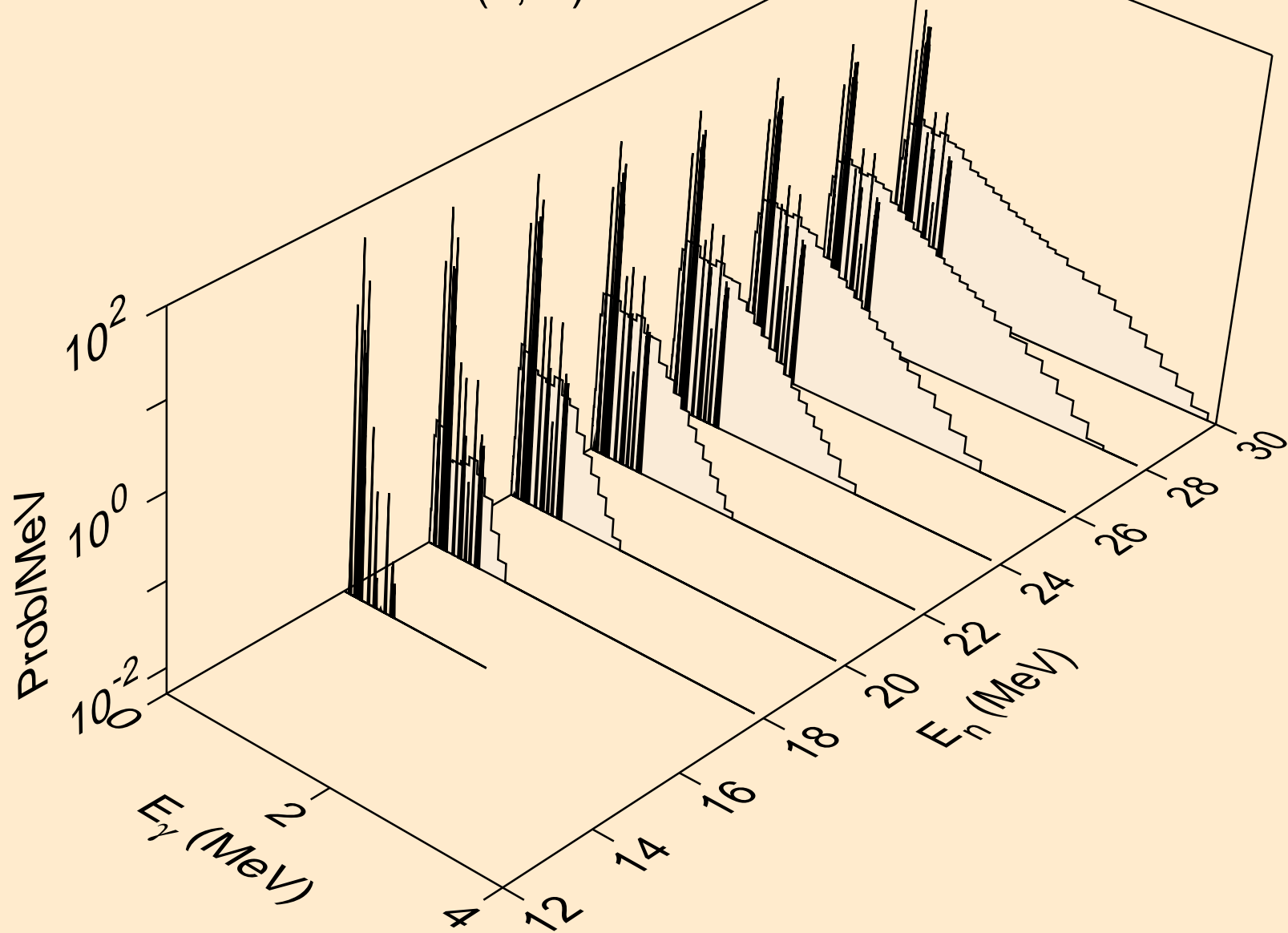
OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



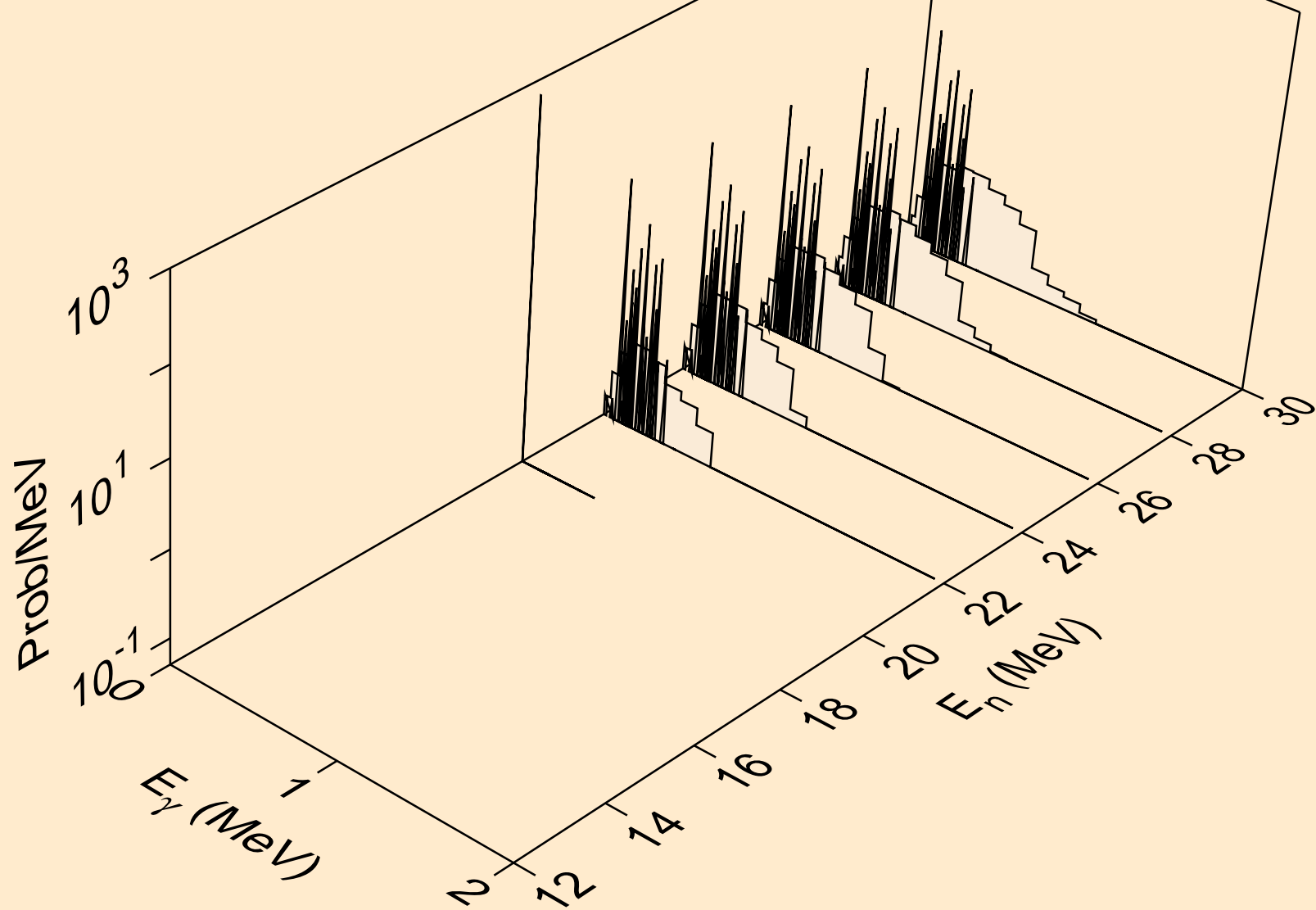
OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



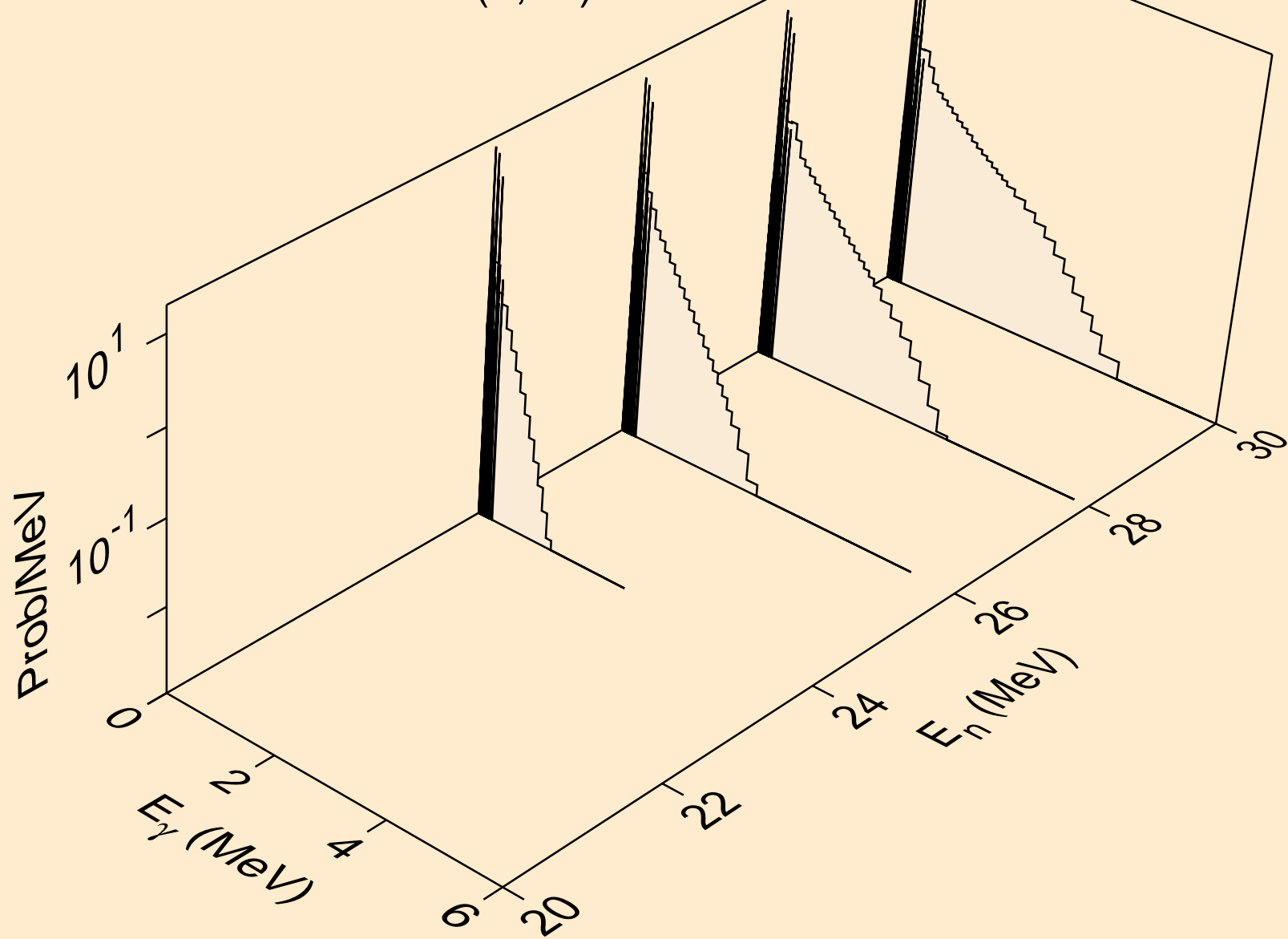
OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



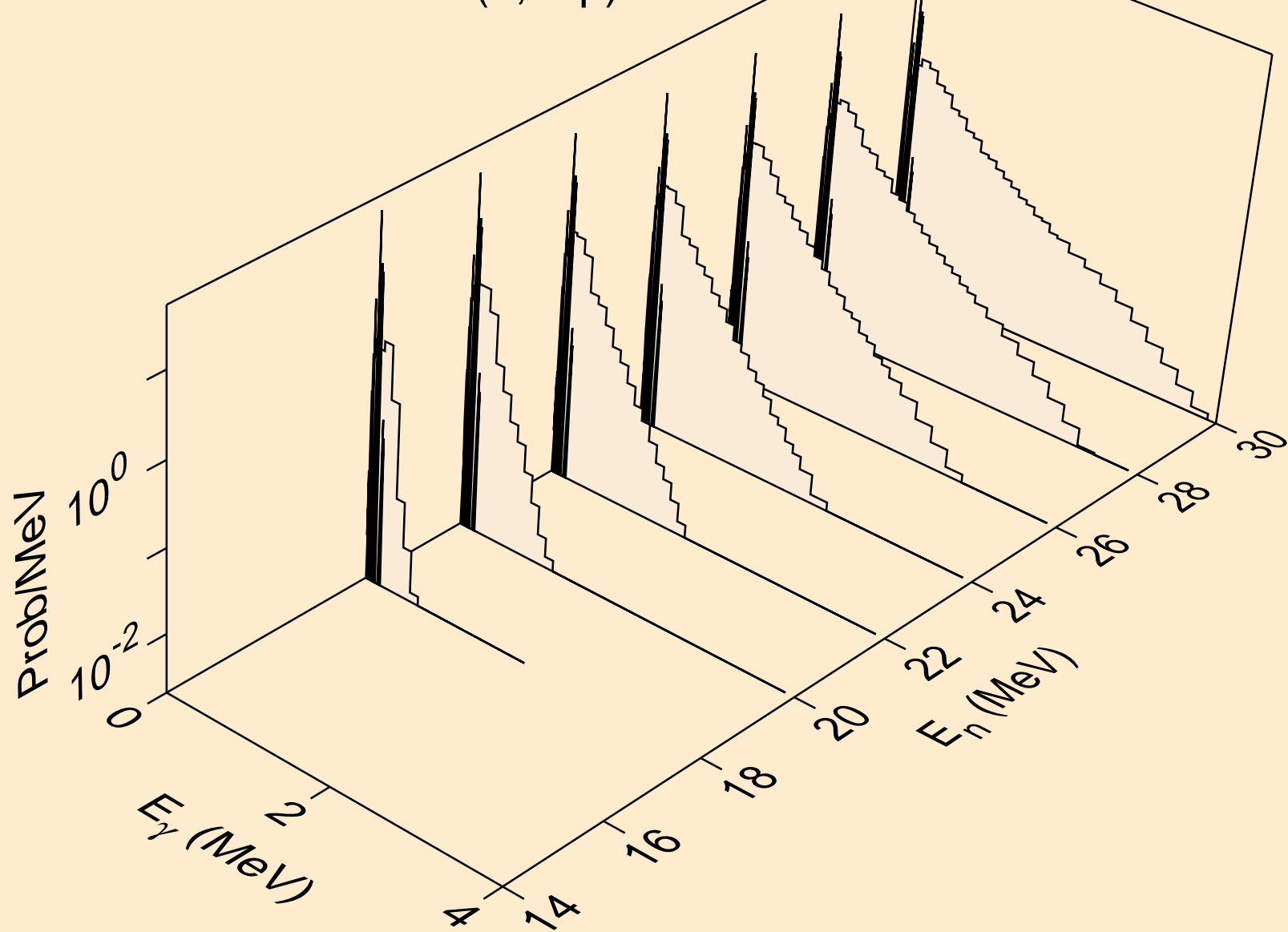
OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,4n)

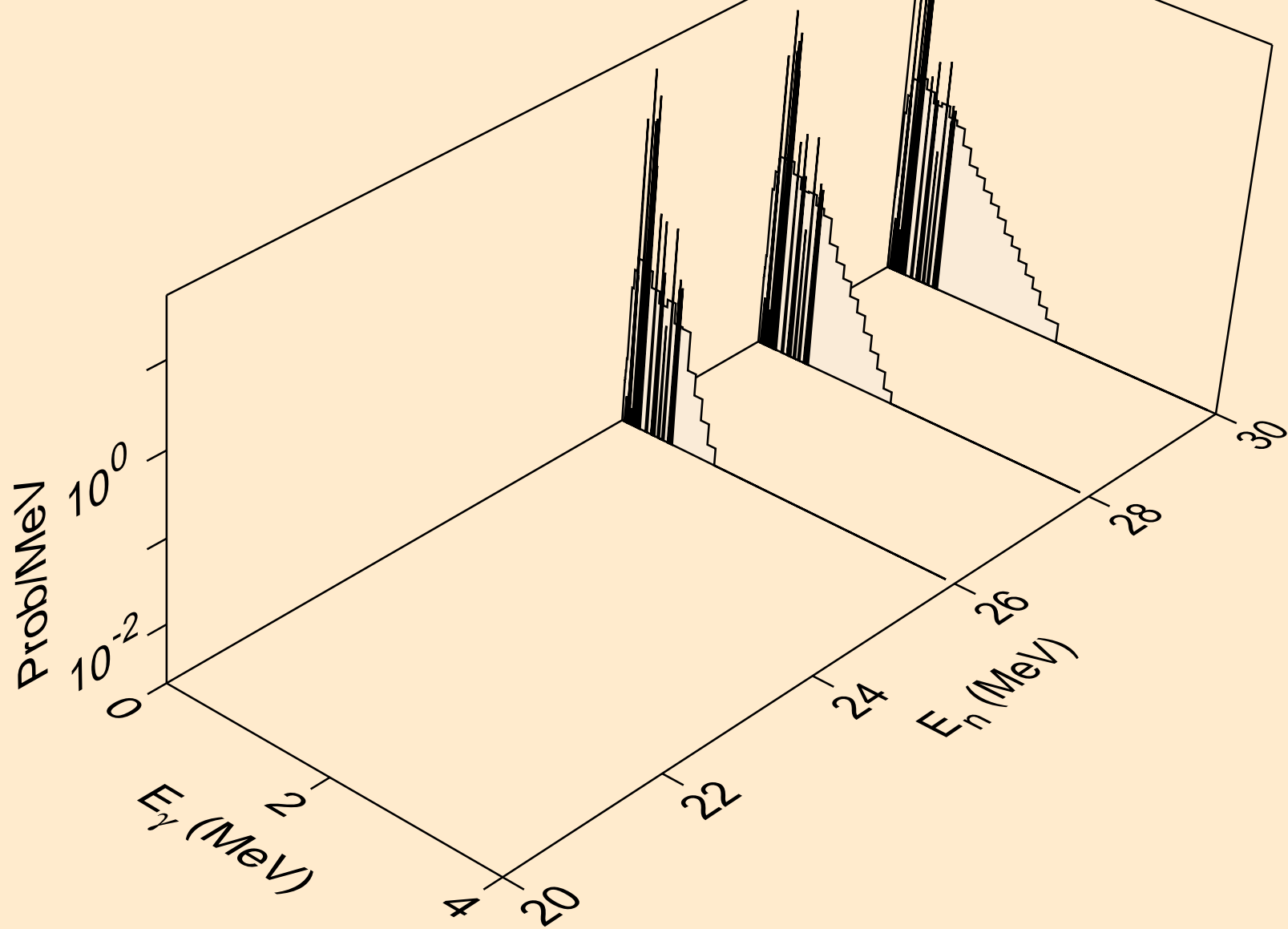


OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)

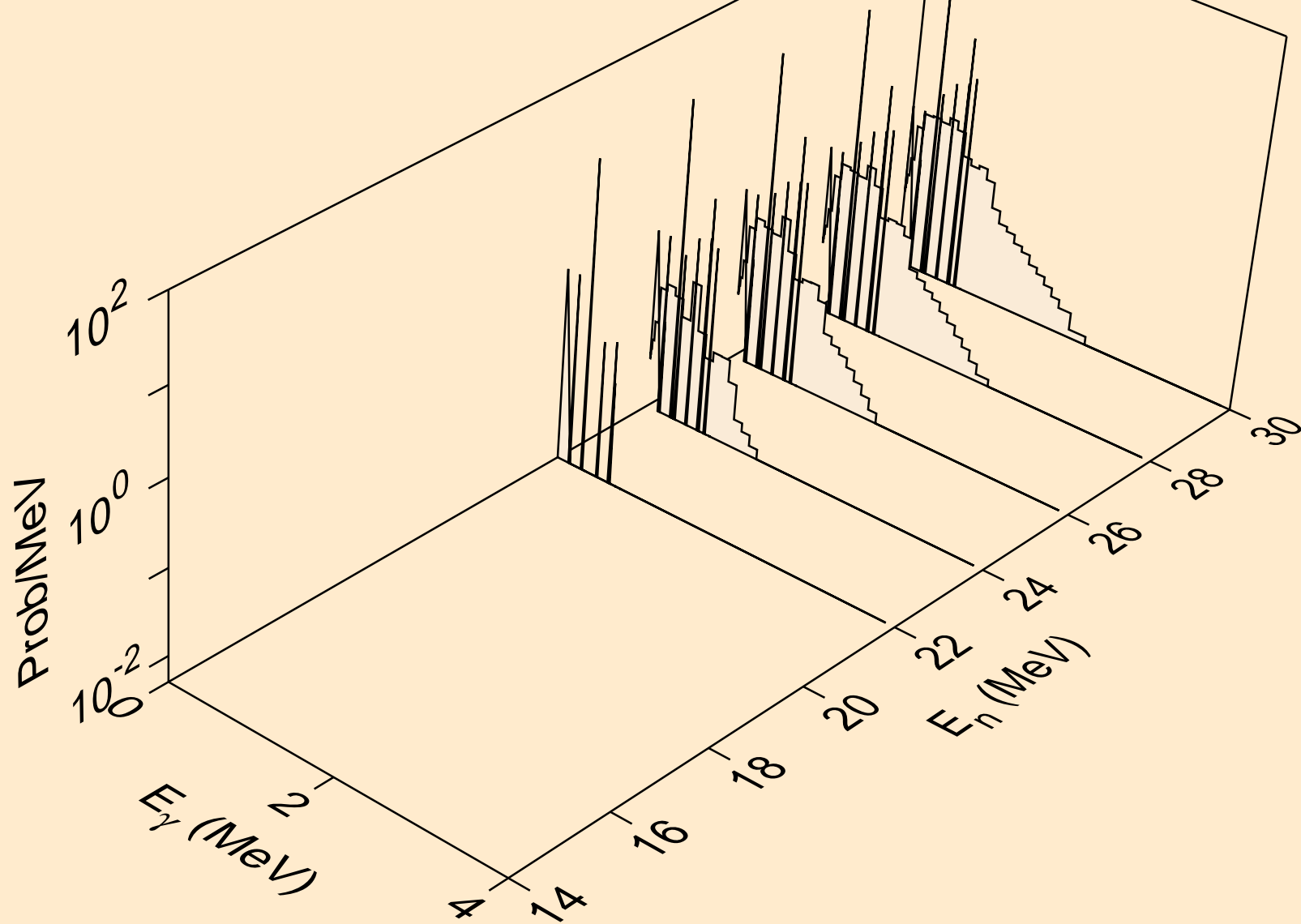




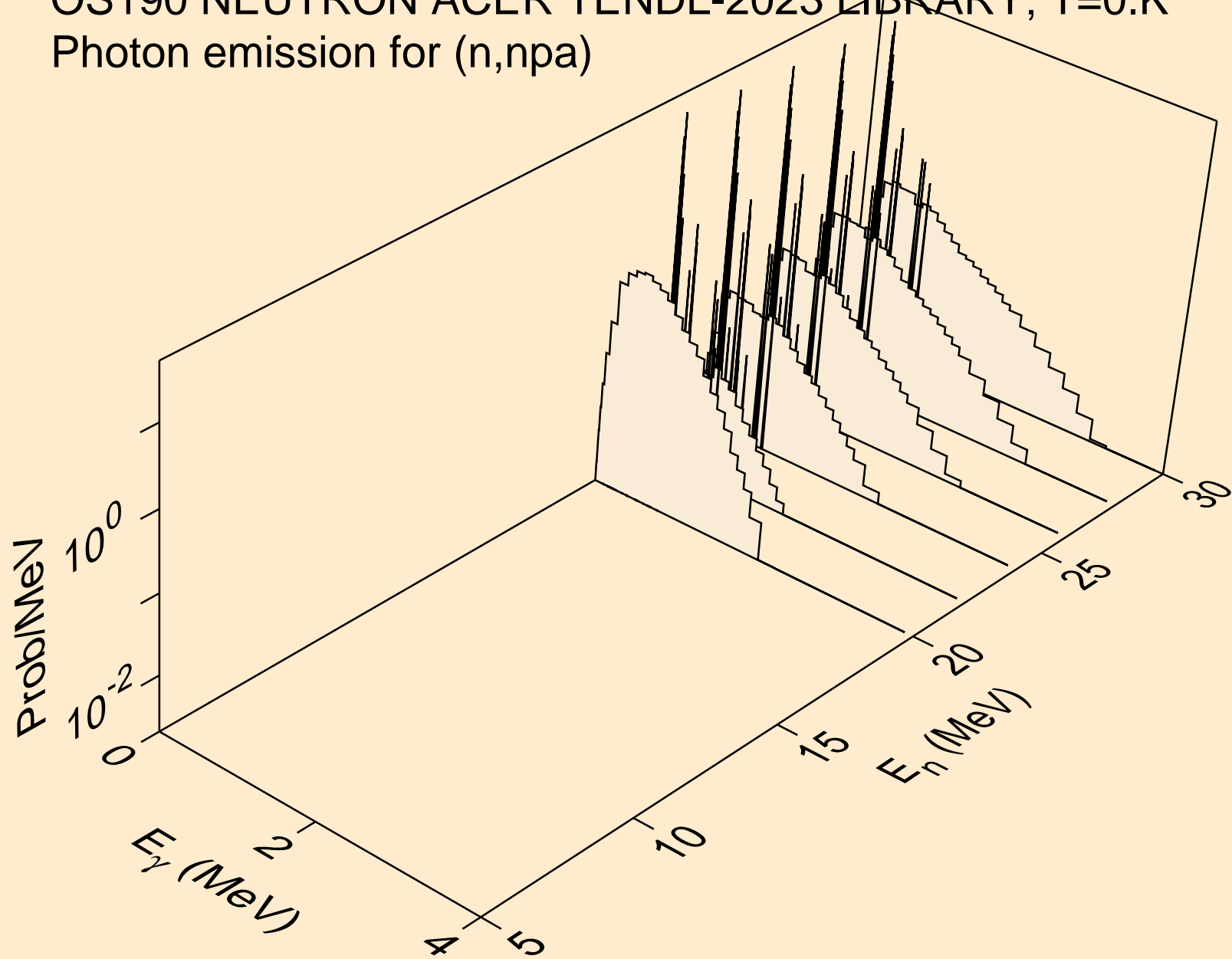
OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3np)



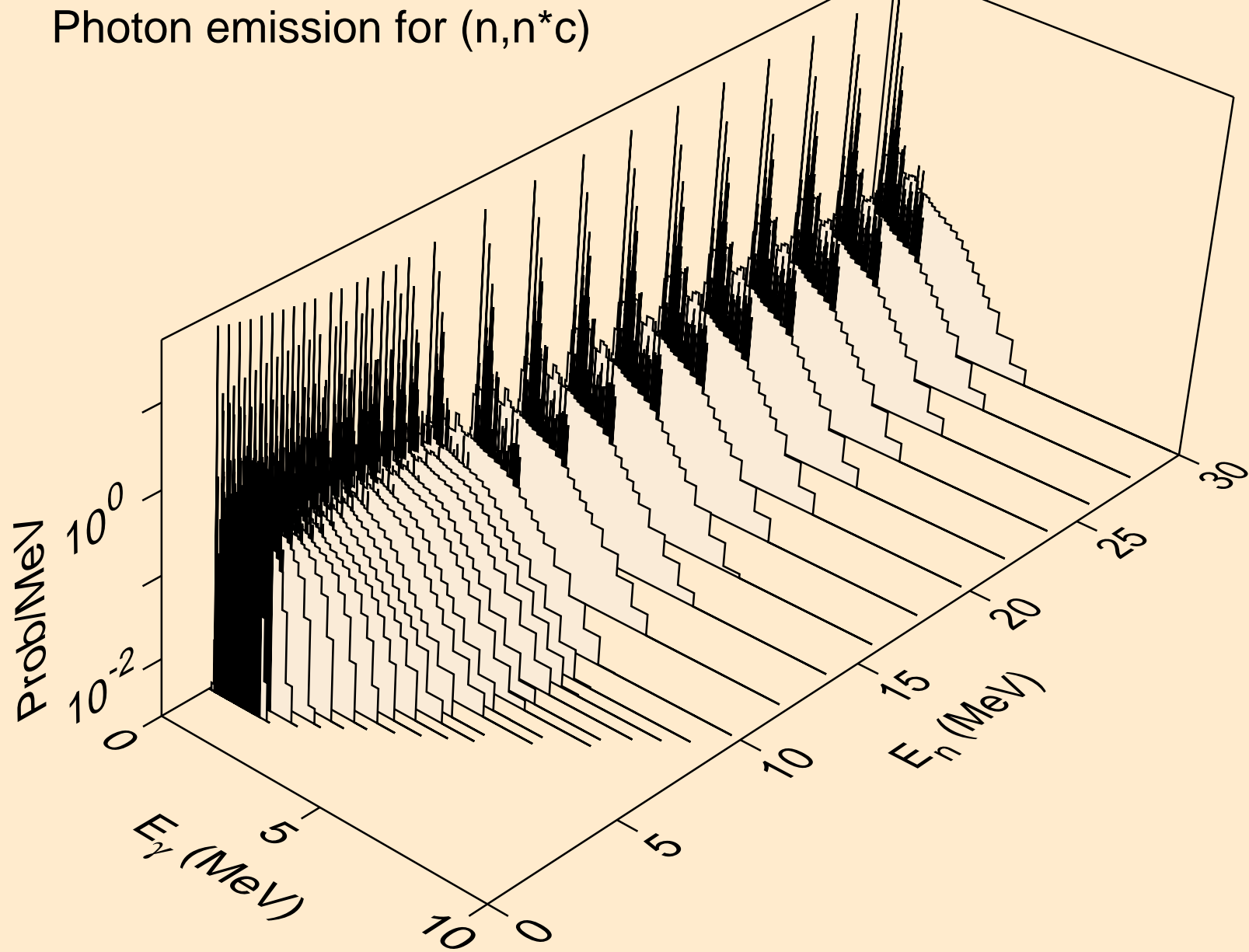
OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)



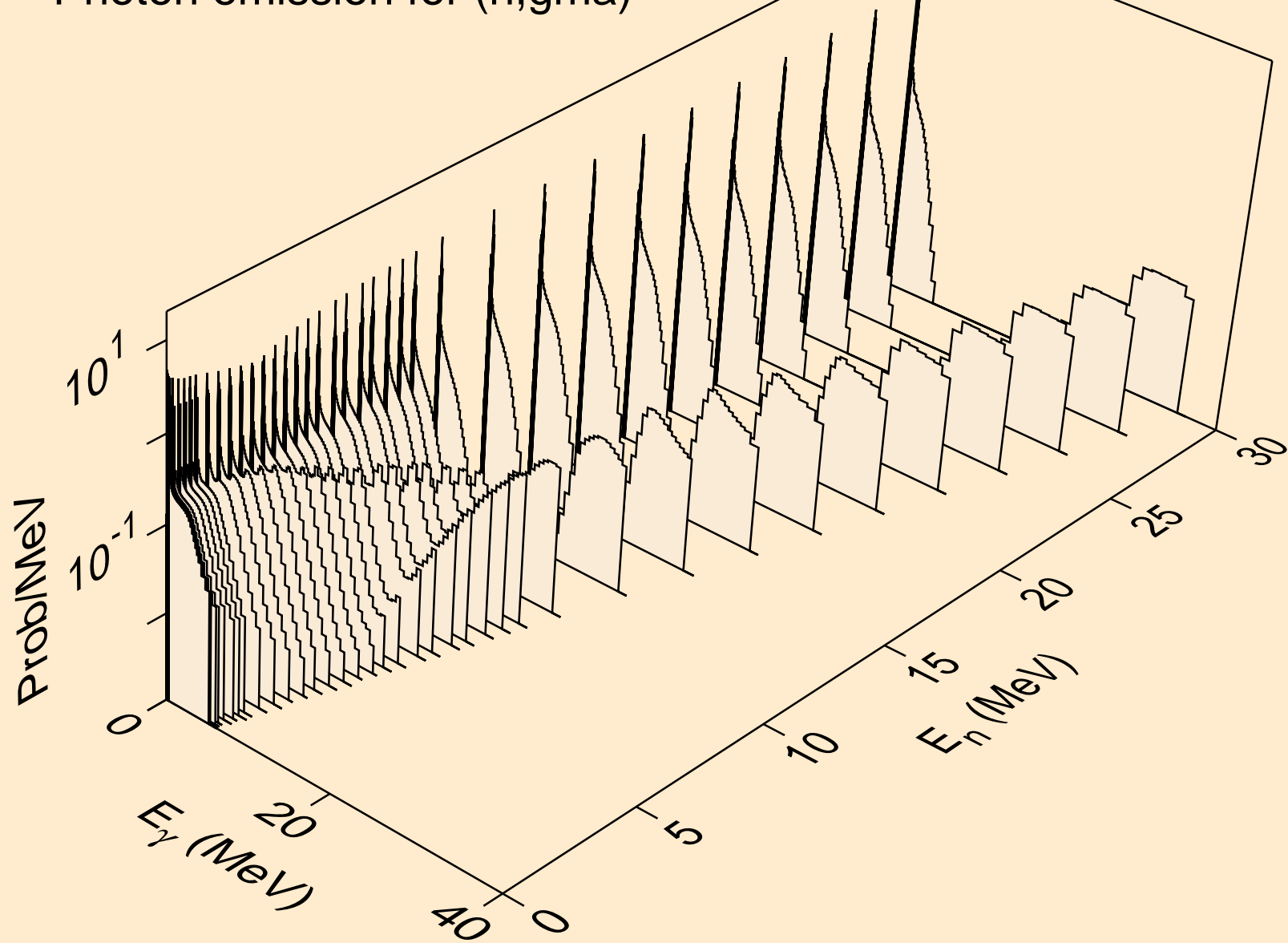
OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,npa)



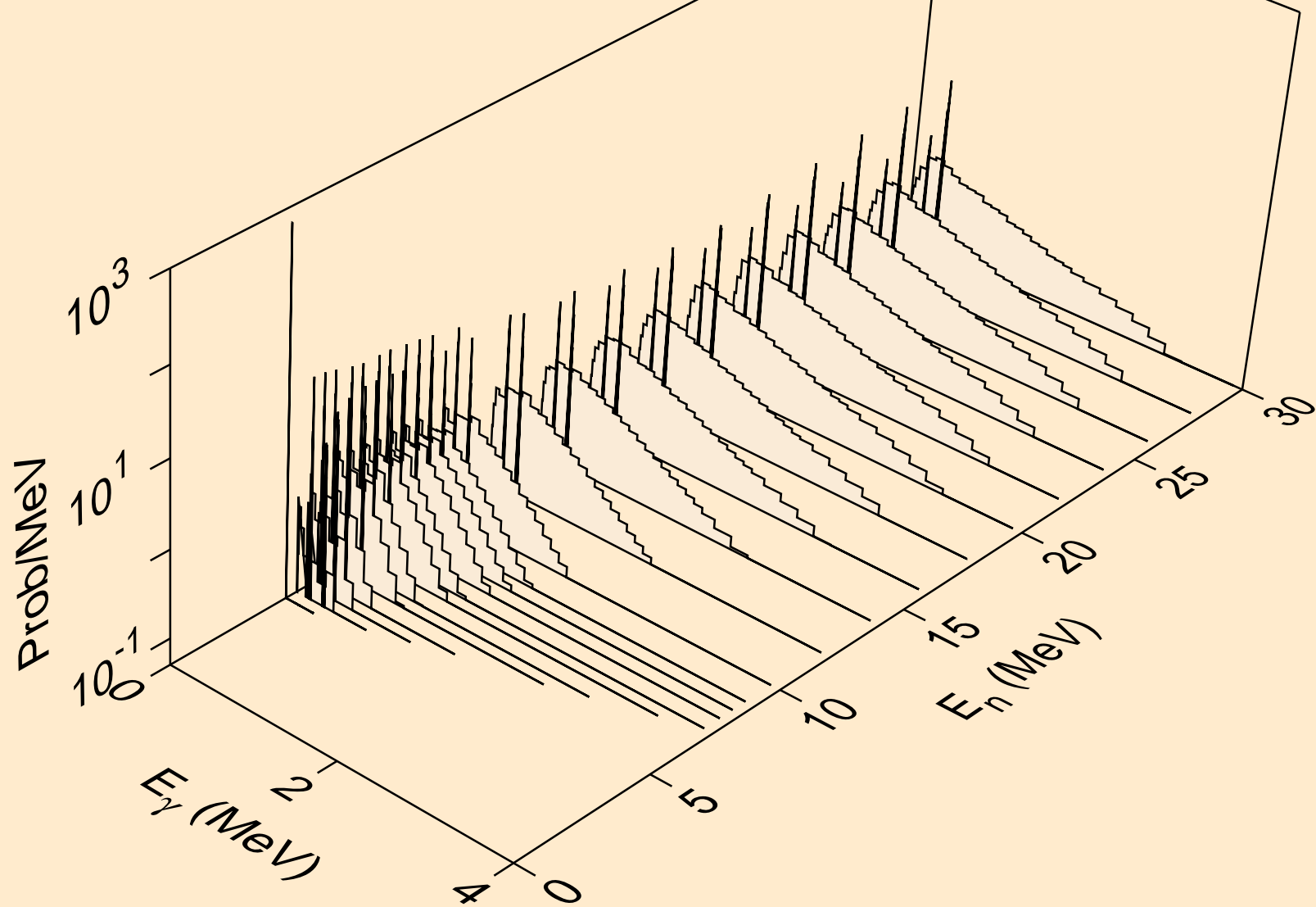
OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*c)



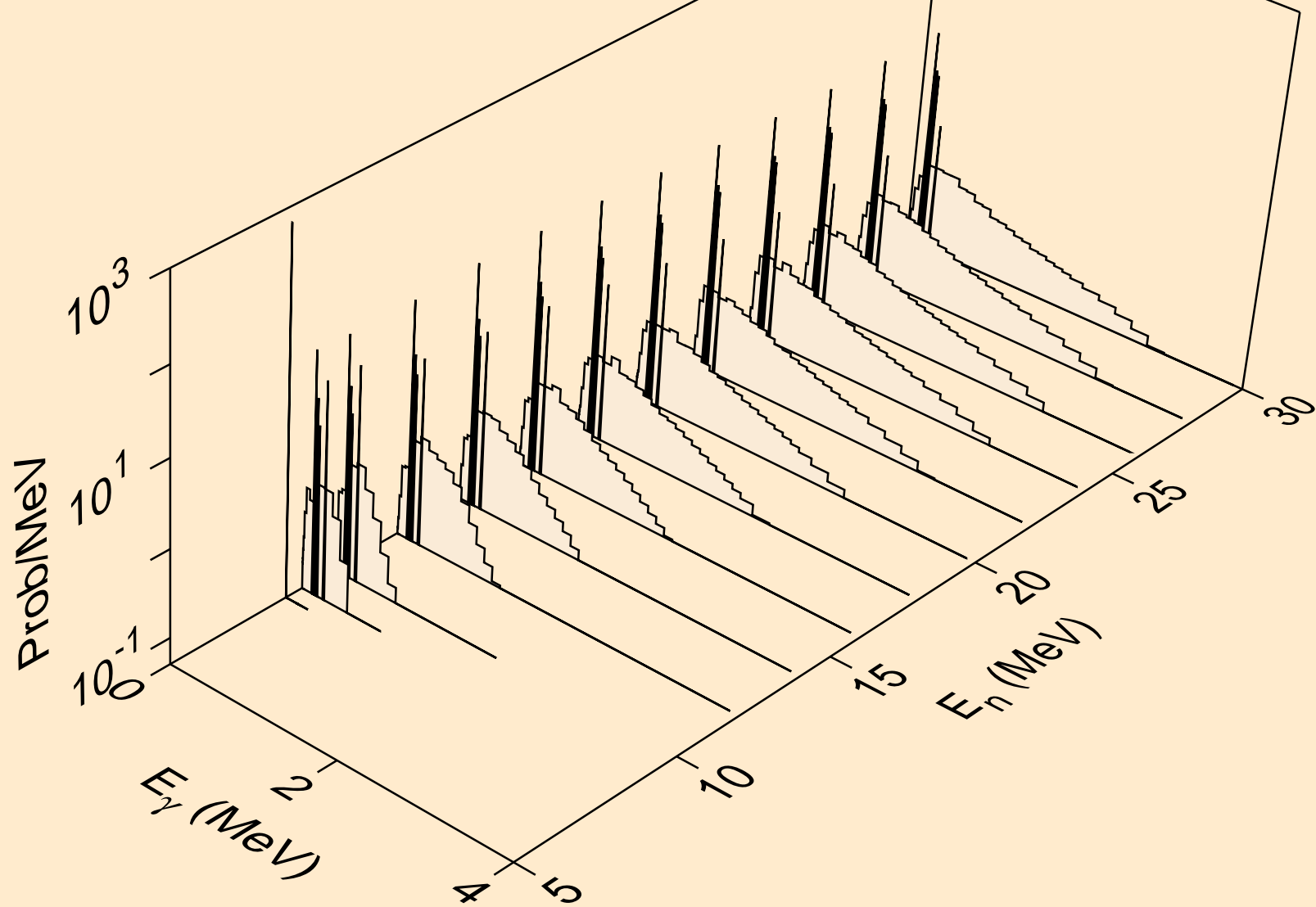
OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)



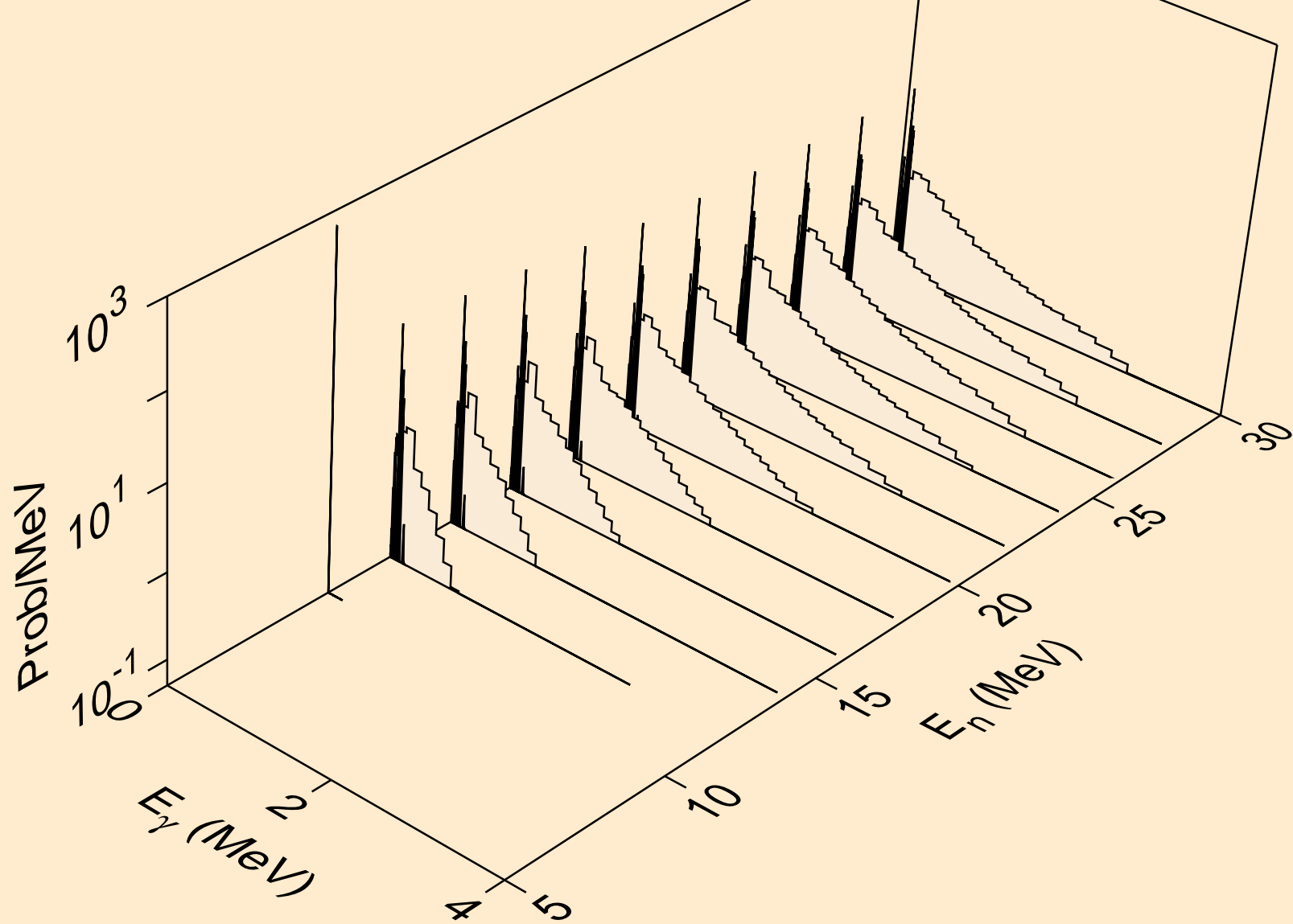
OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)



OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)

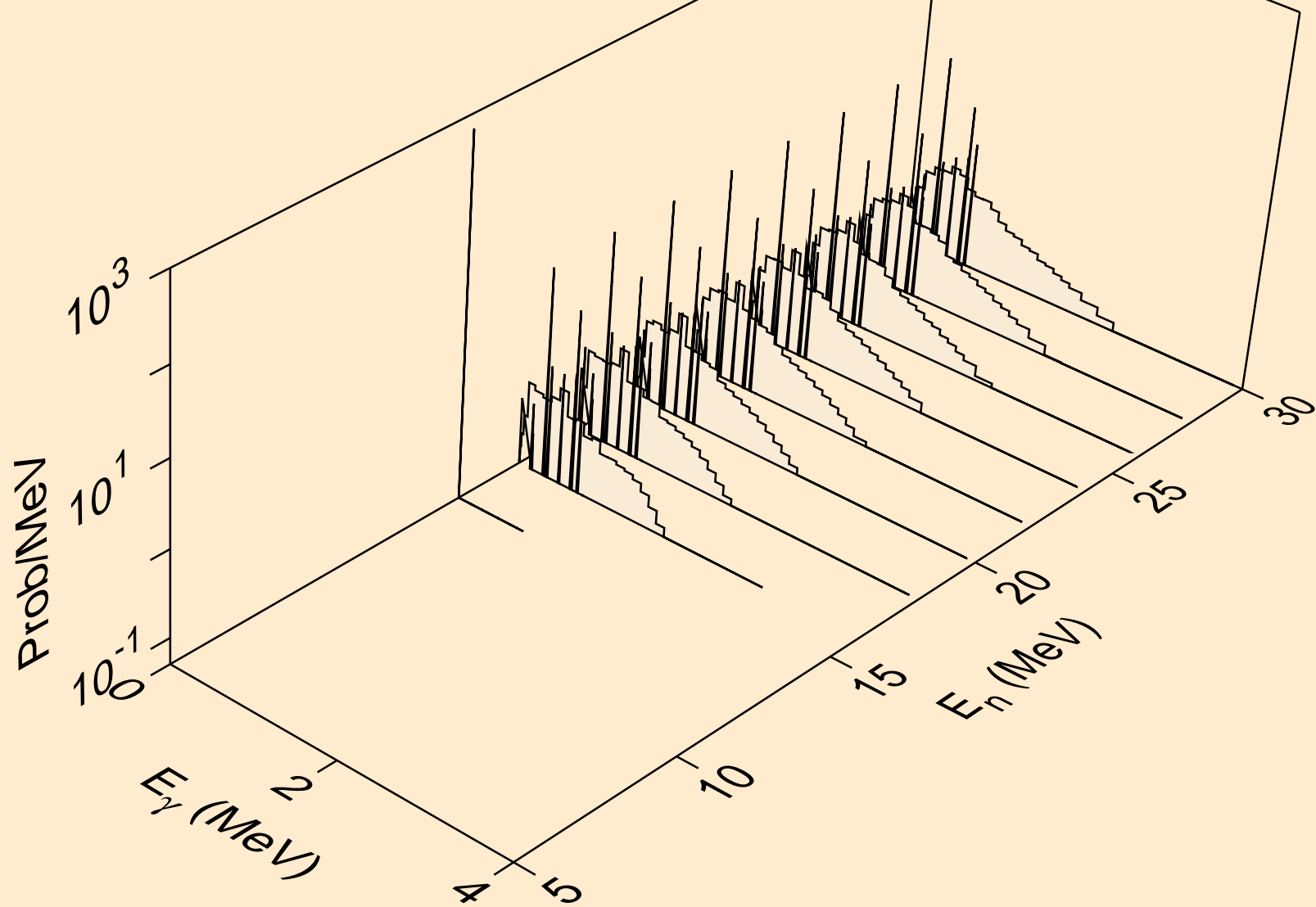


OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)

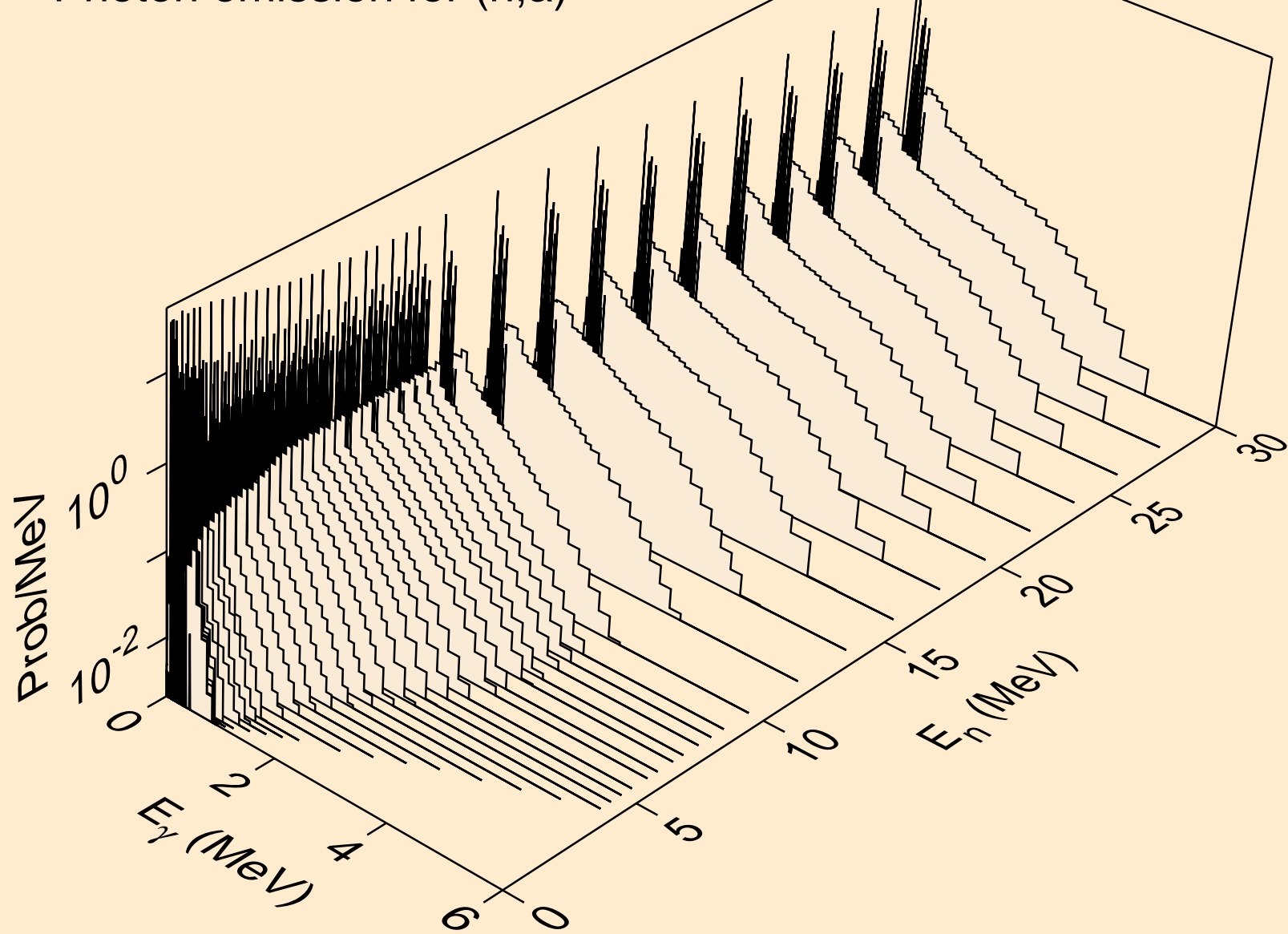




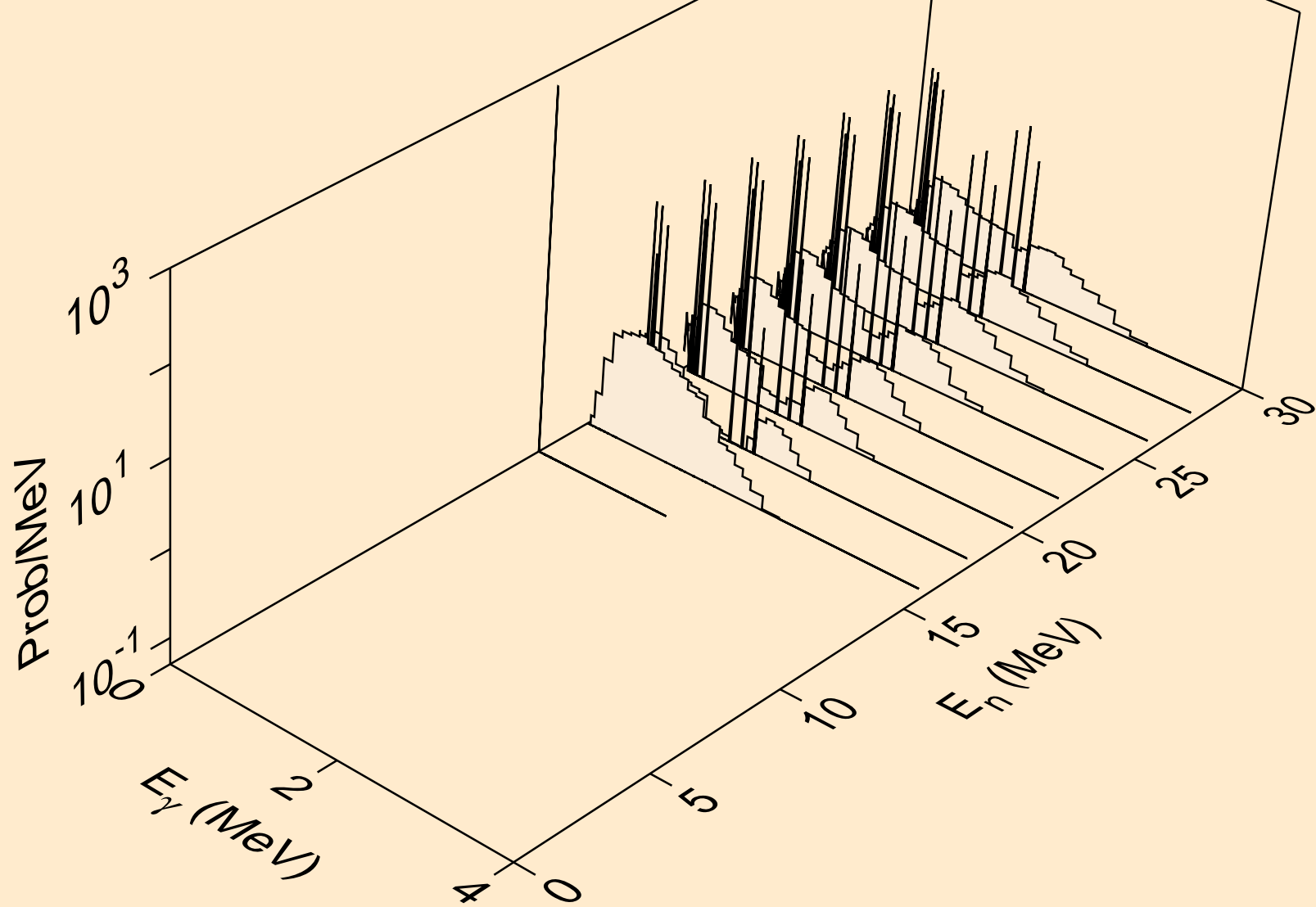
OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)



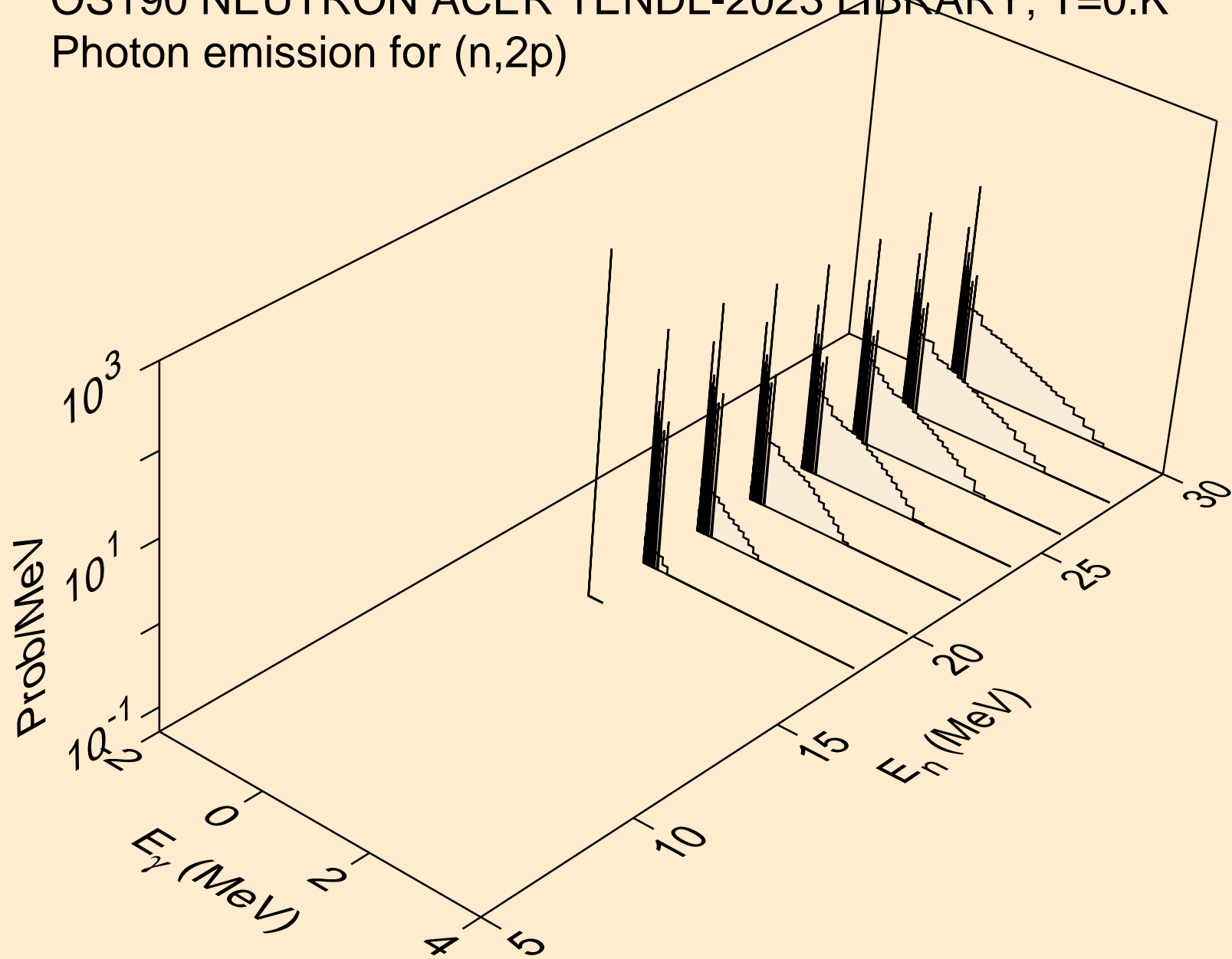
OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)



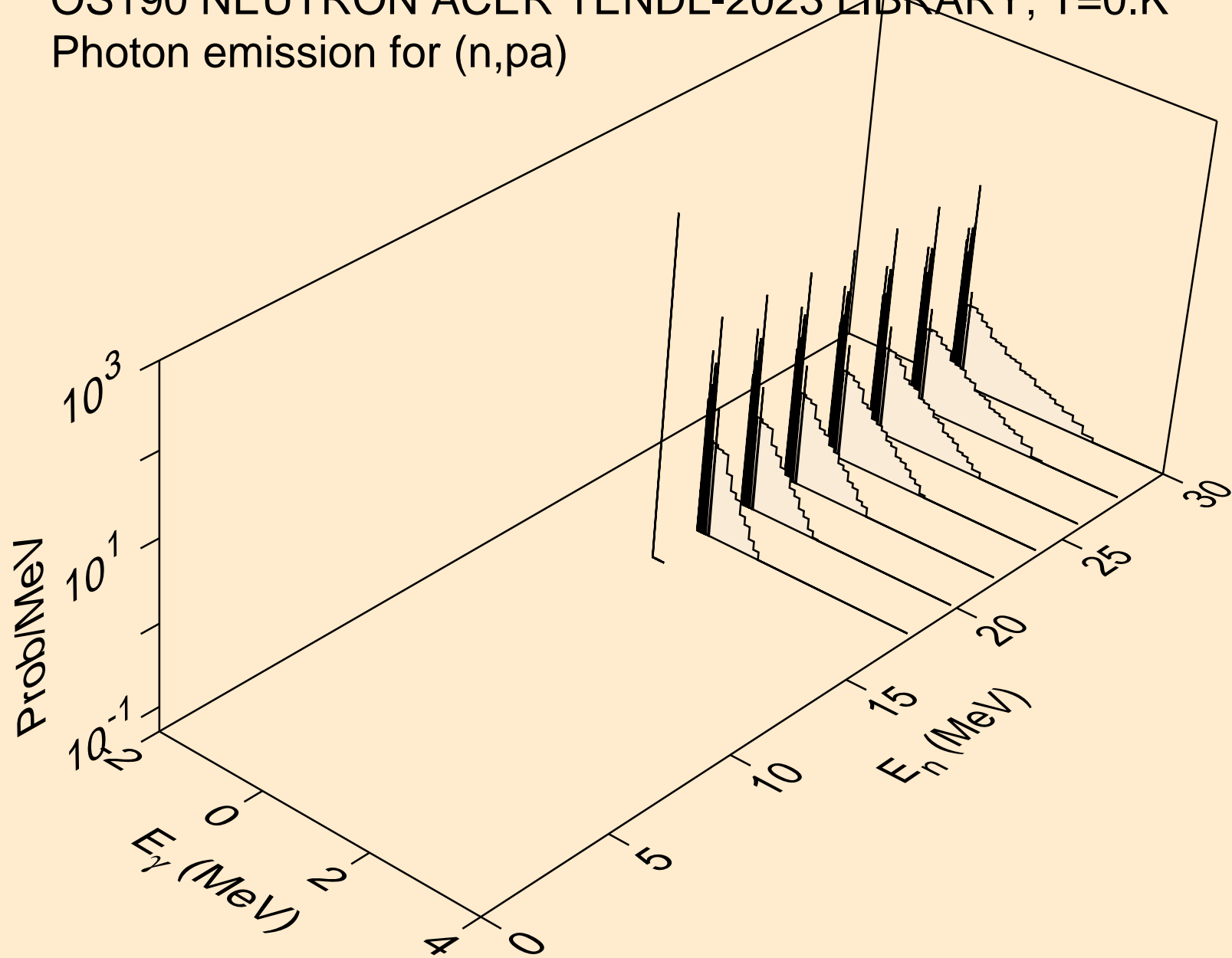
OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2a)



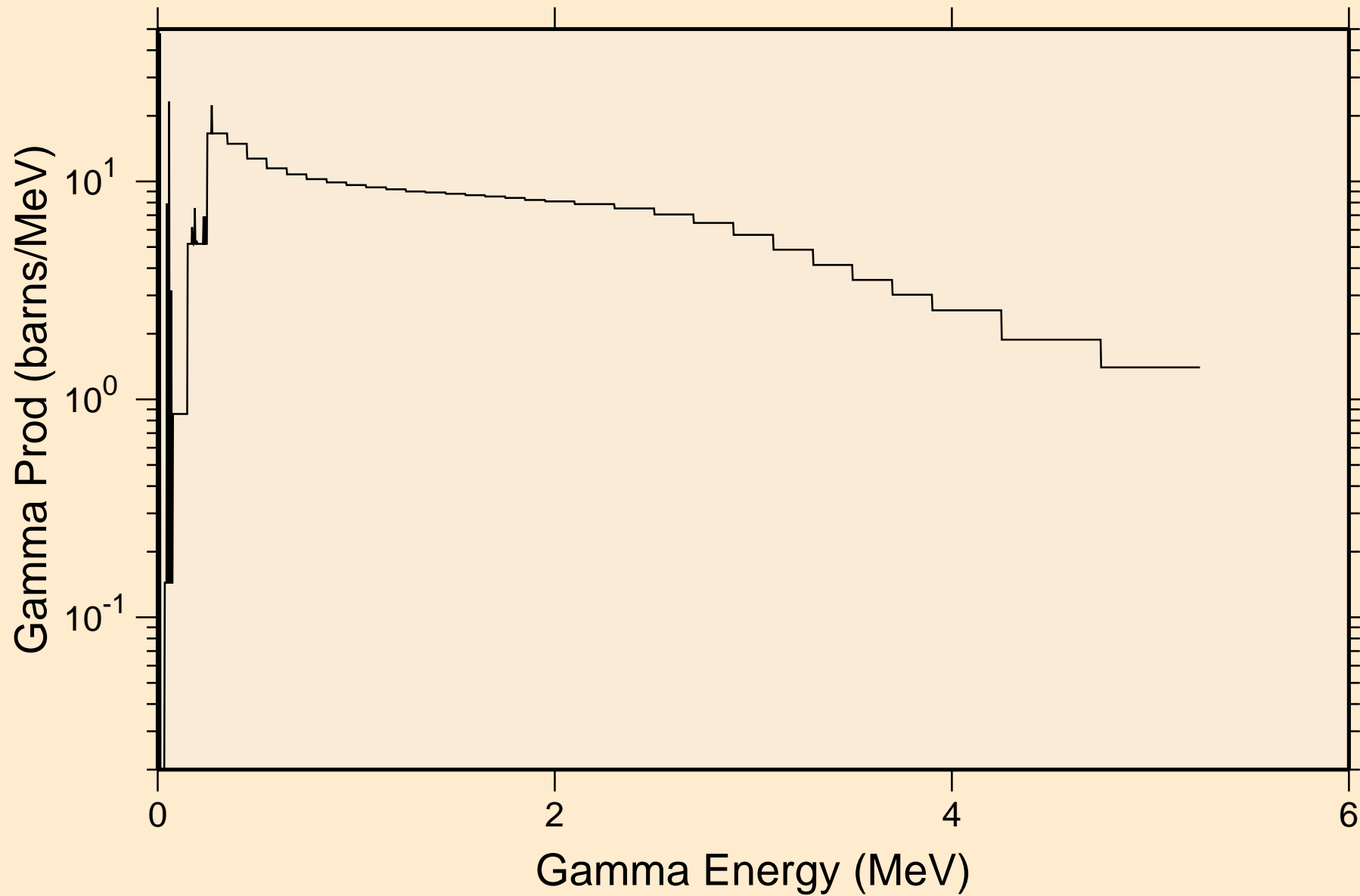
OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)



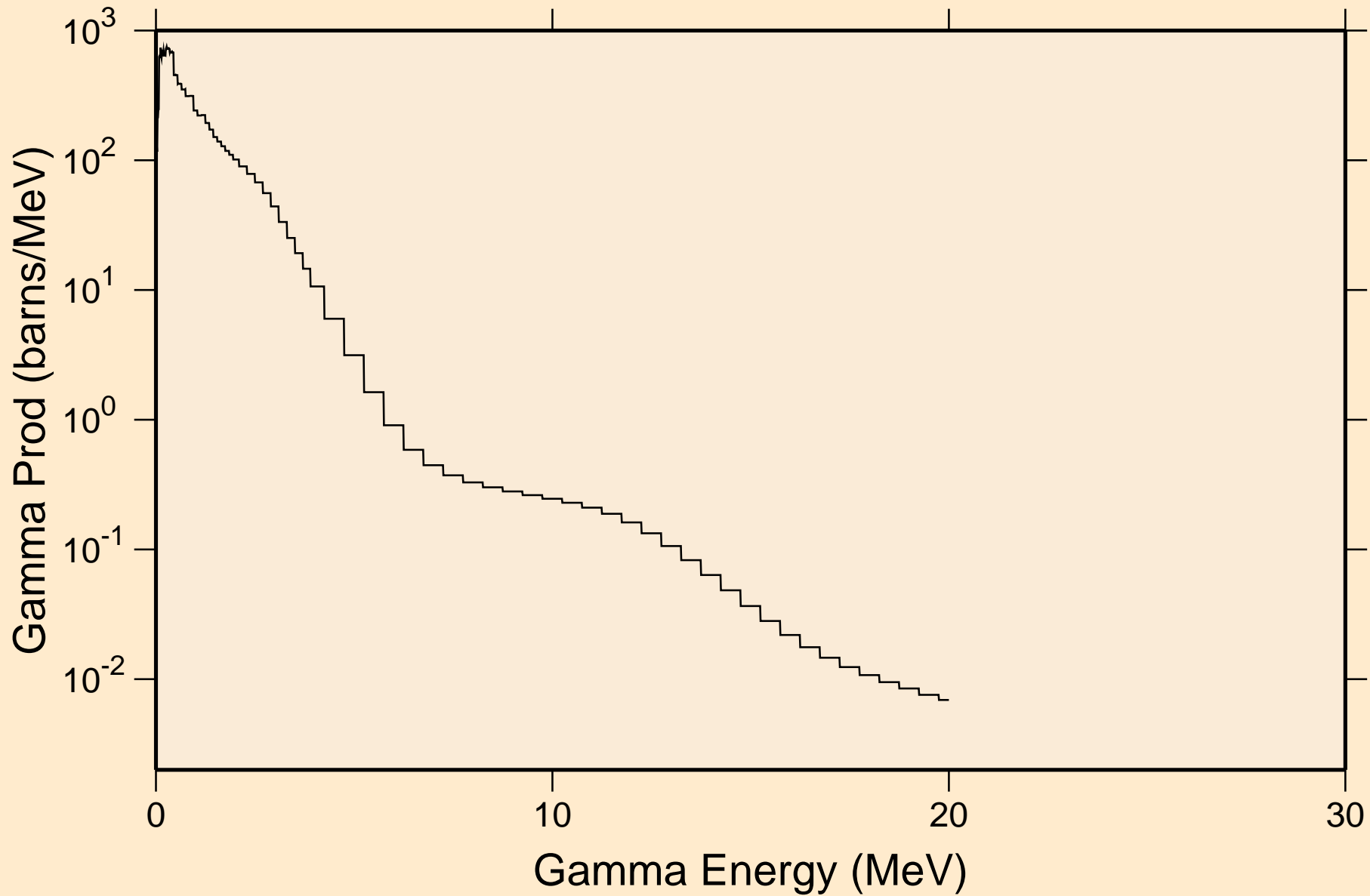
OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p $\alpha$ )



OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
thermal capture photon spectrum

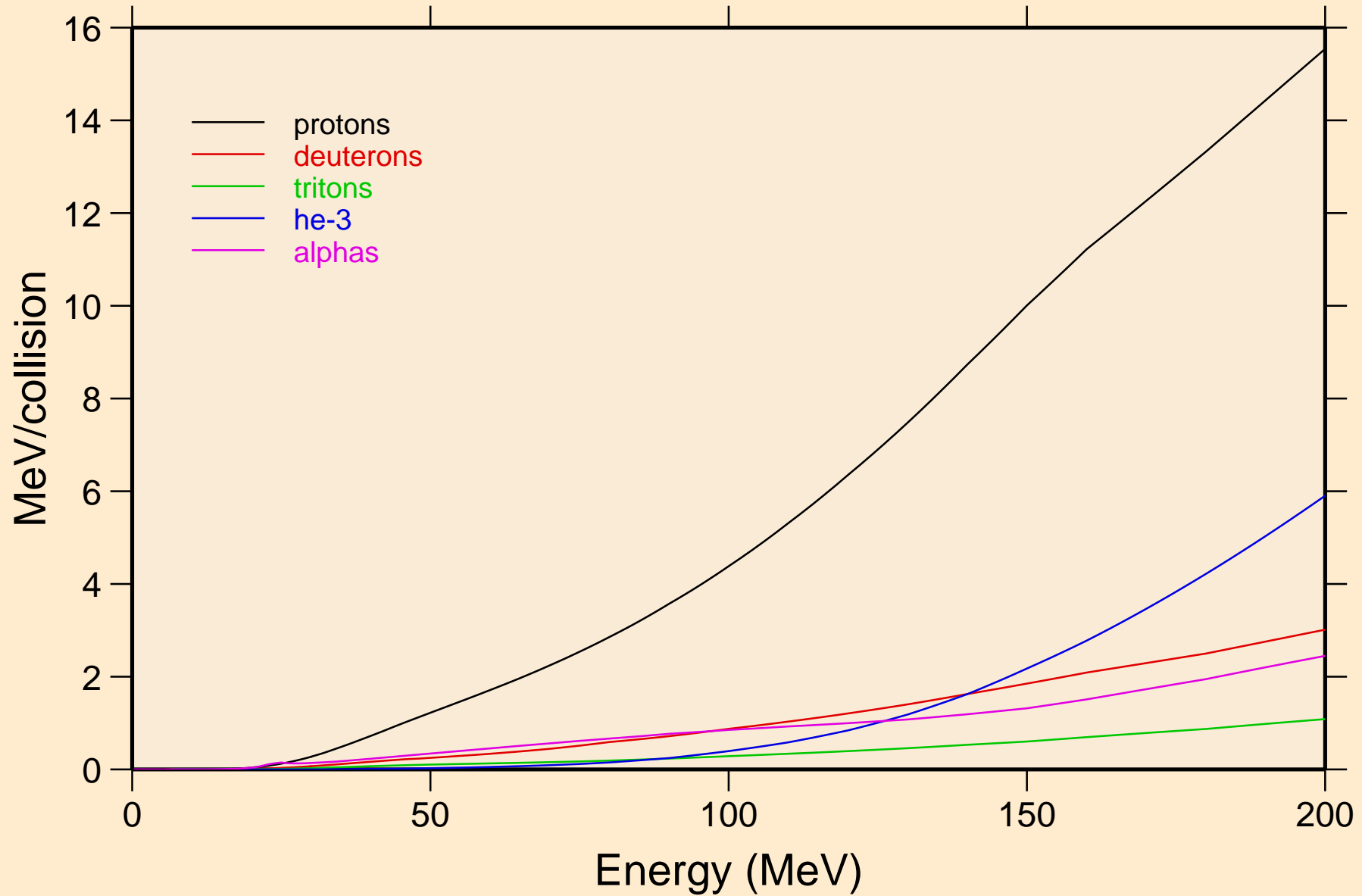


OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
14 MeV photon spectrum



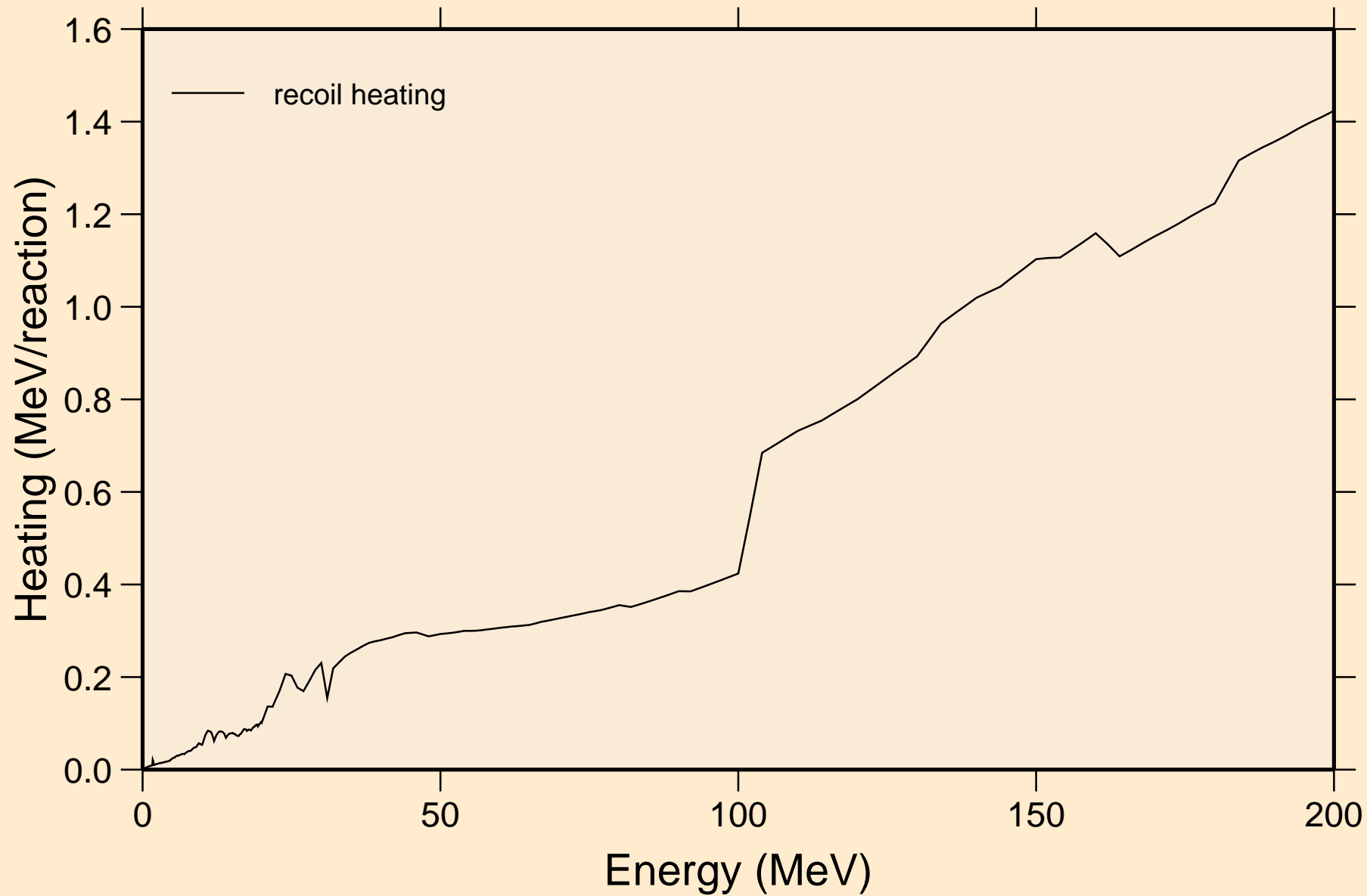
# OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Particle heating contributions



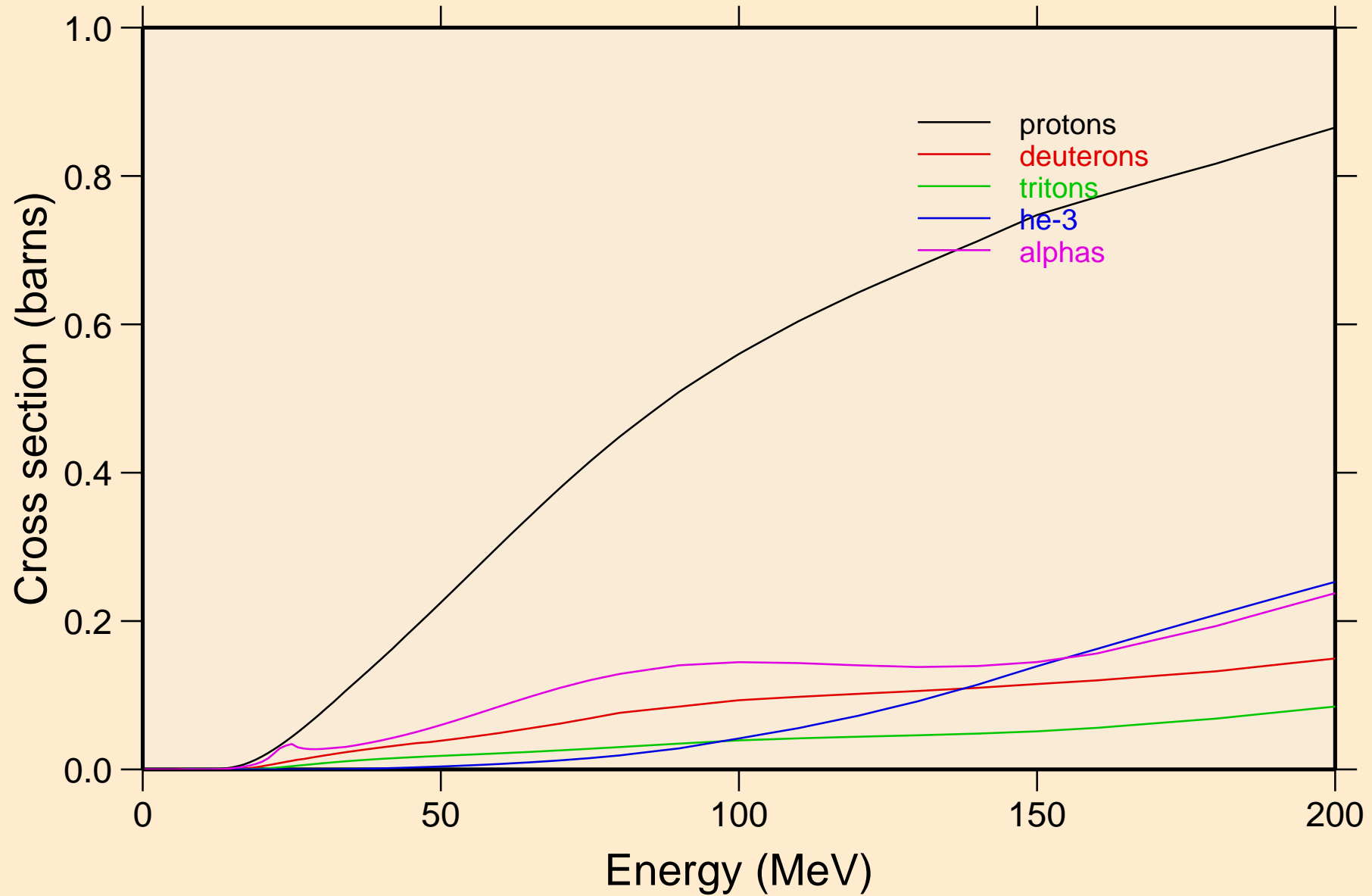


OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating

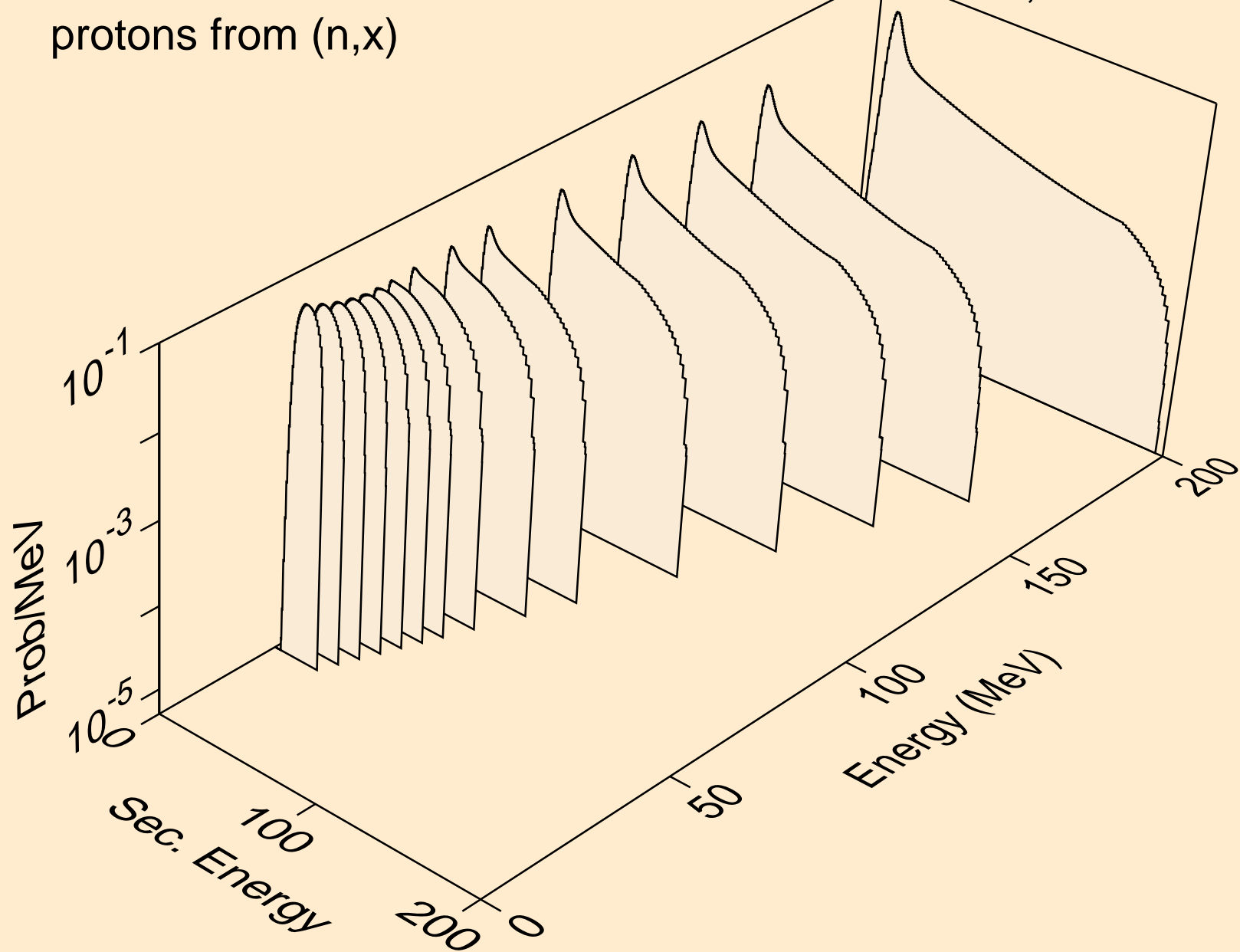


# OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

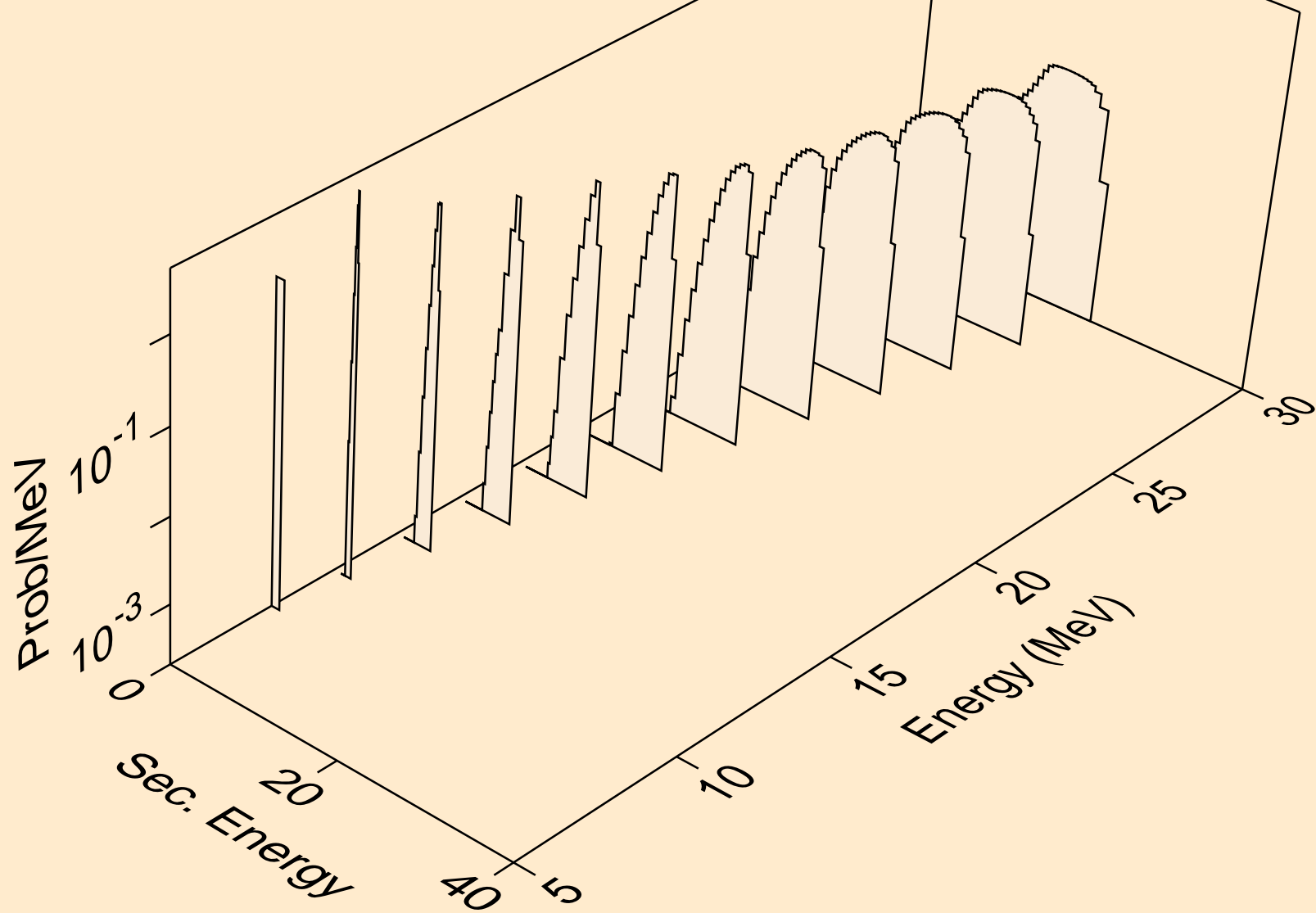
## Particle production cross sections



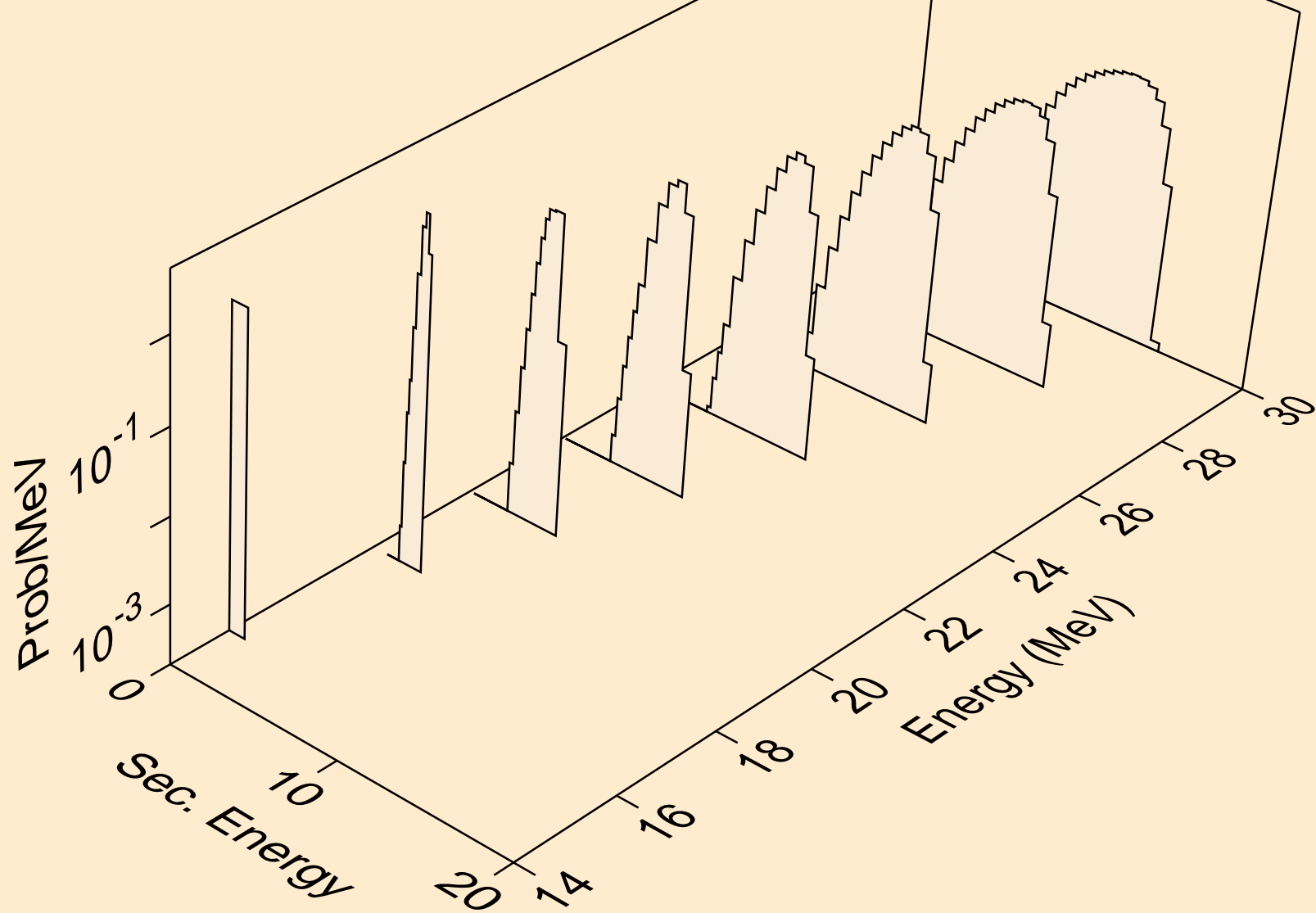
OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,x)



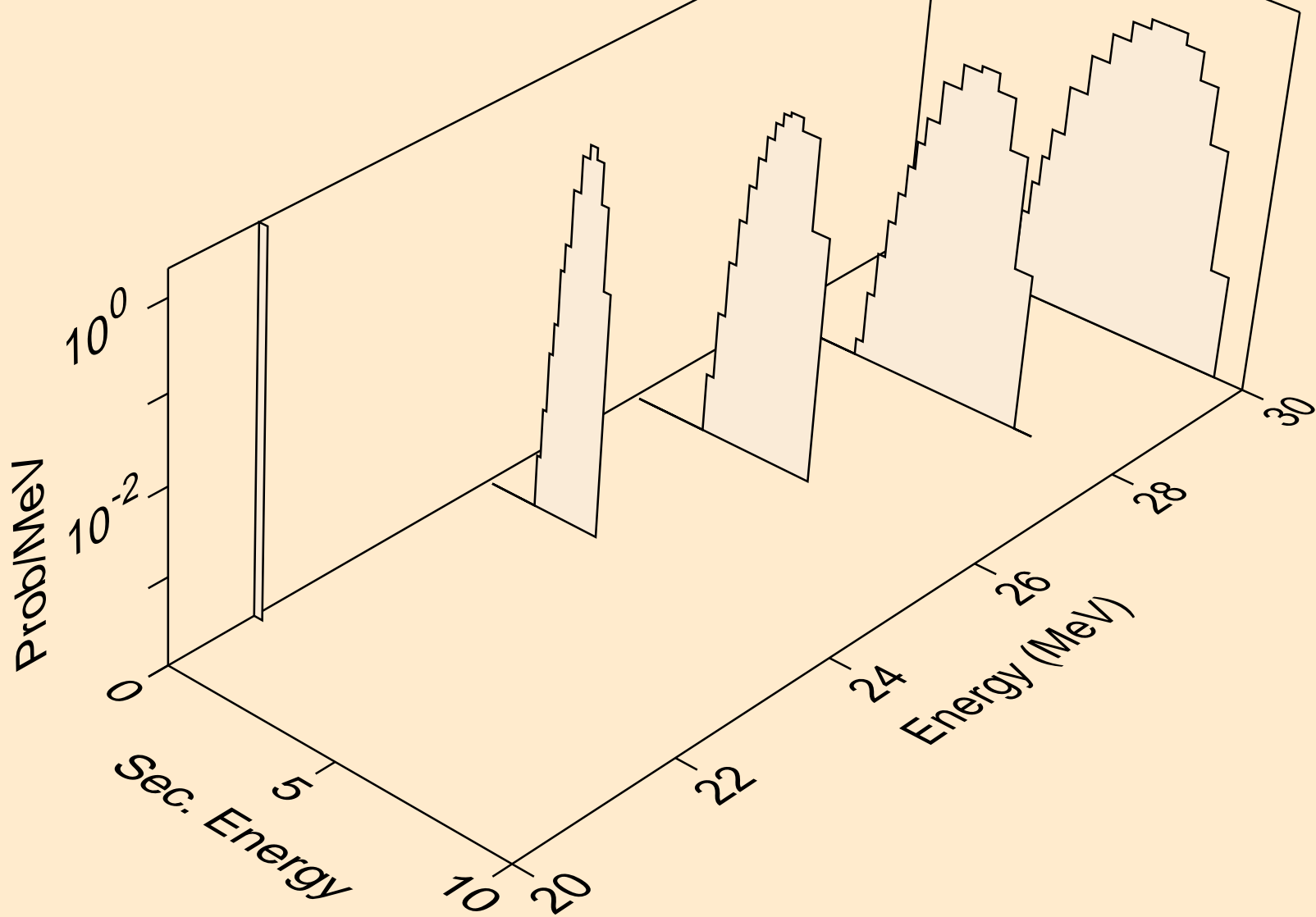
OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n\*)p



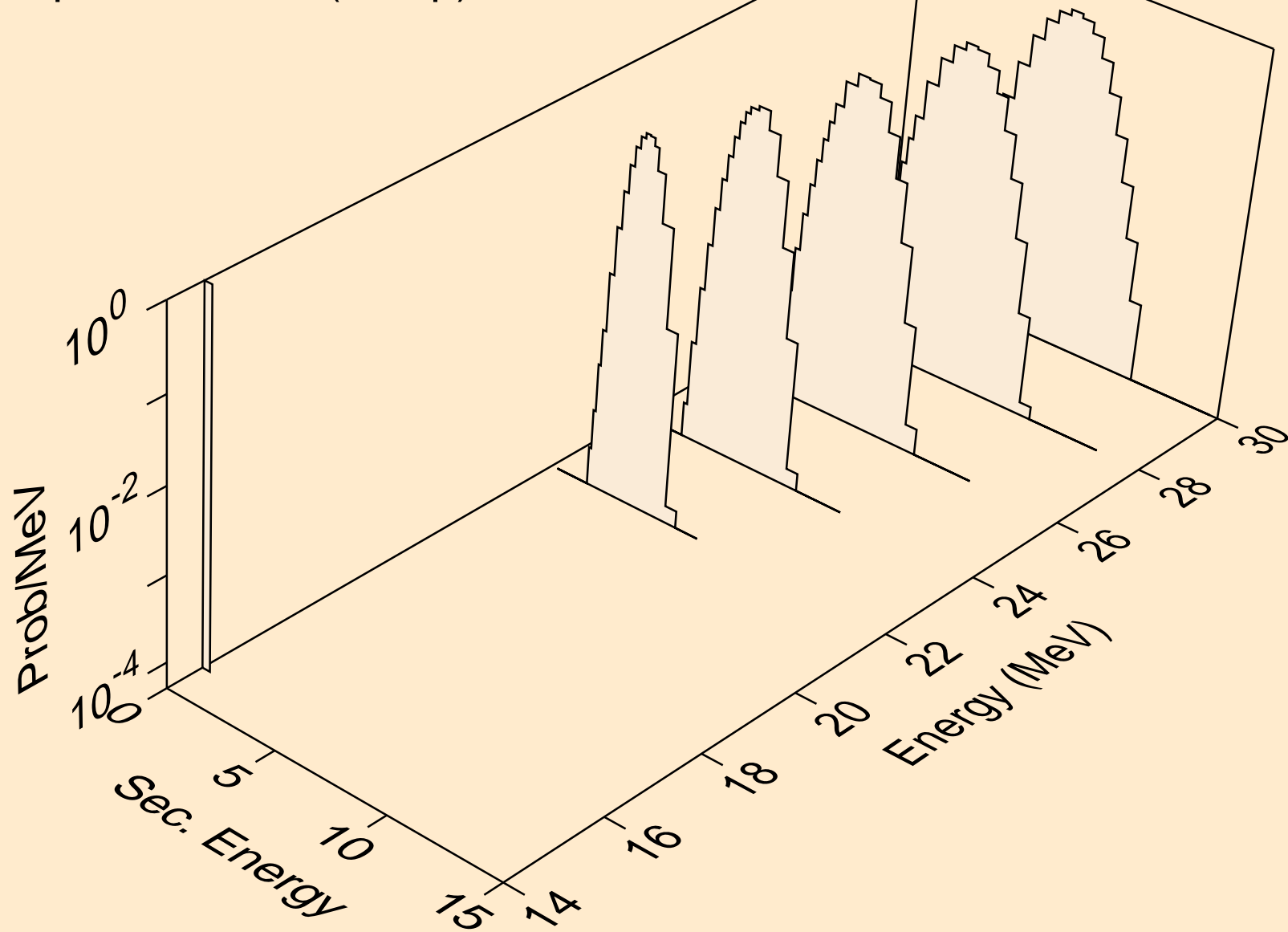
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protons from (n,2np)



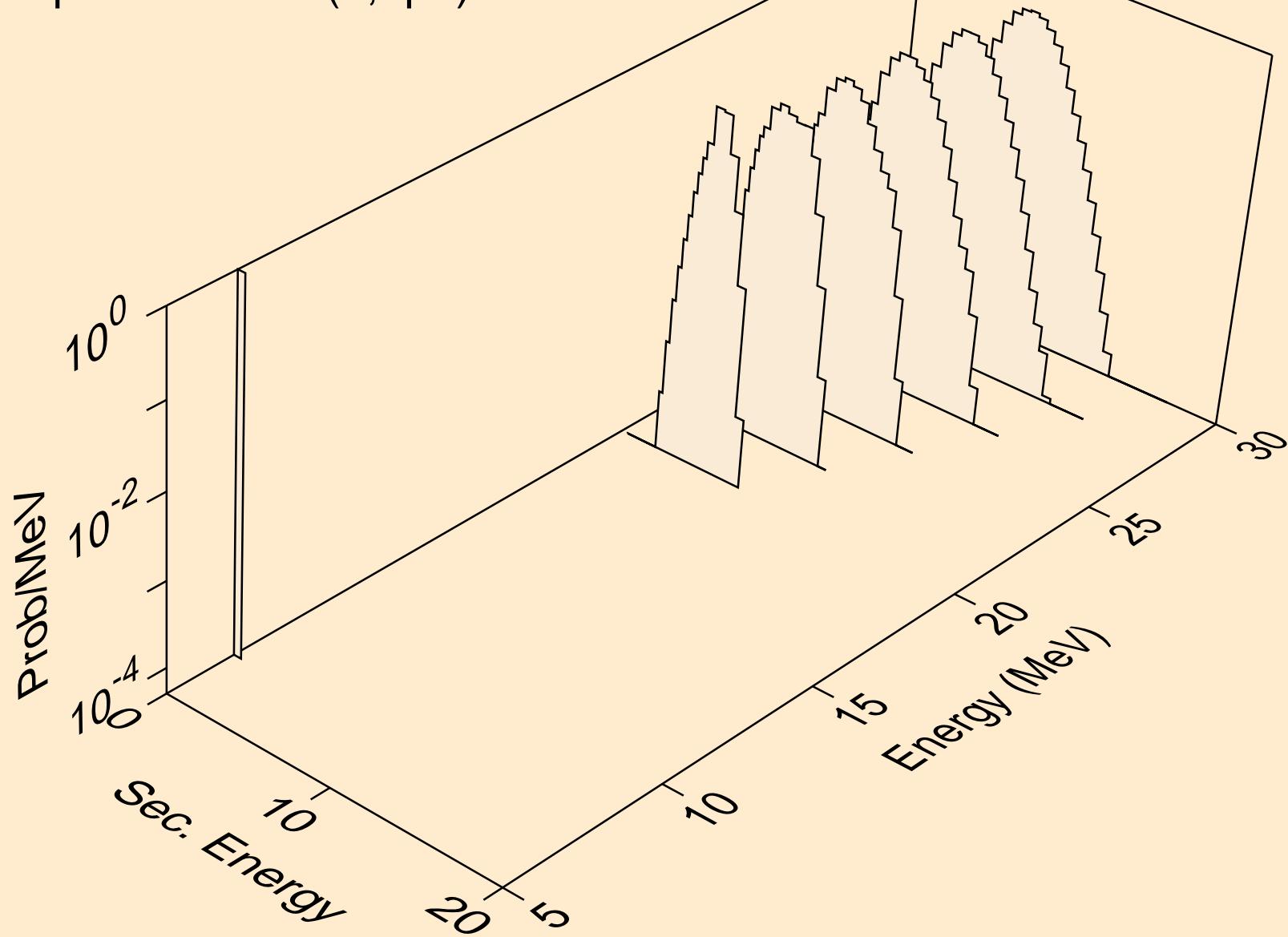
OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,3np)



OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n2p)

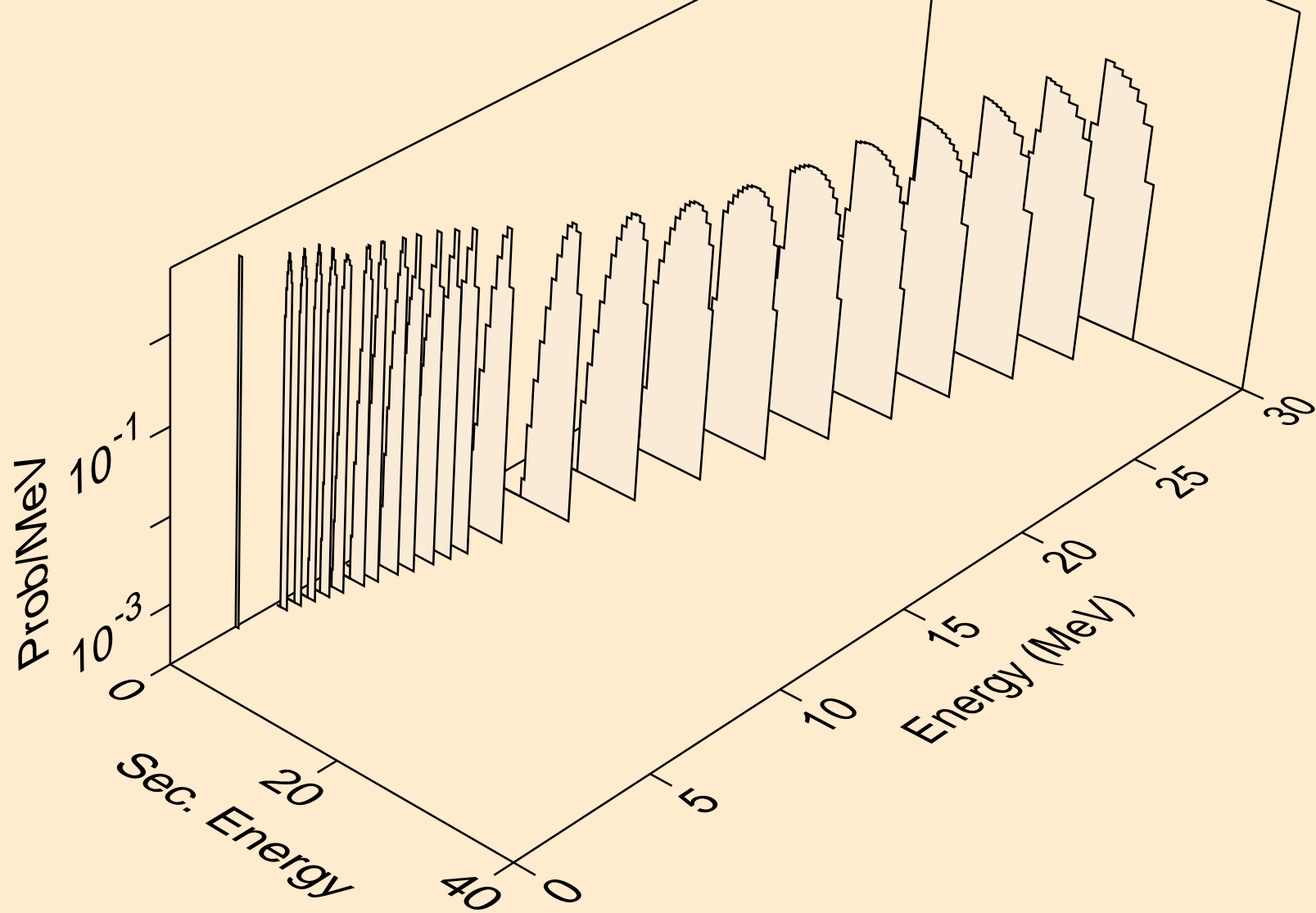


OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,npa)

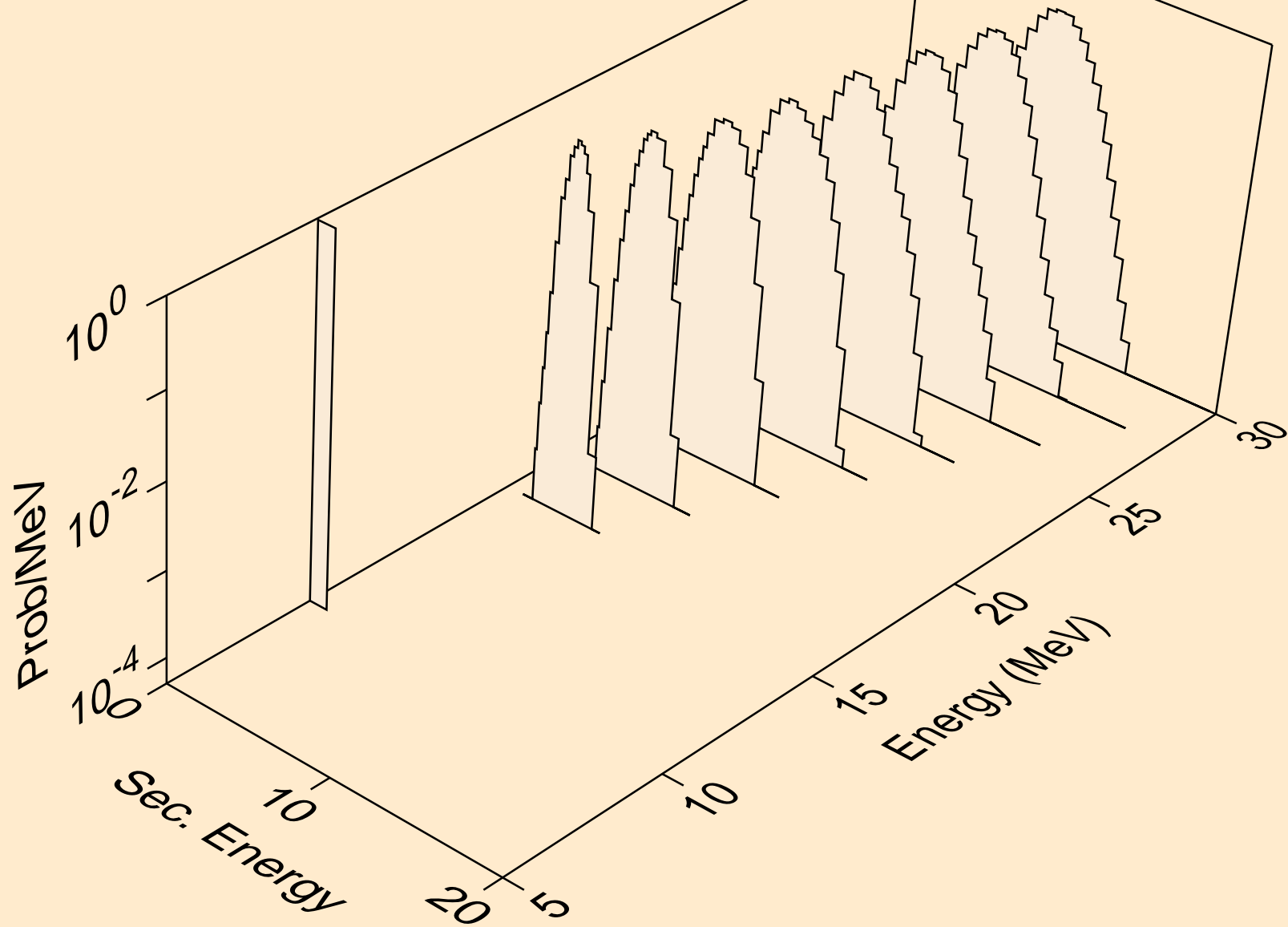




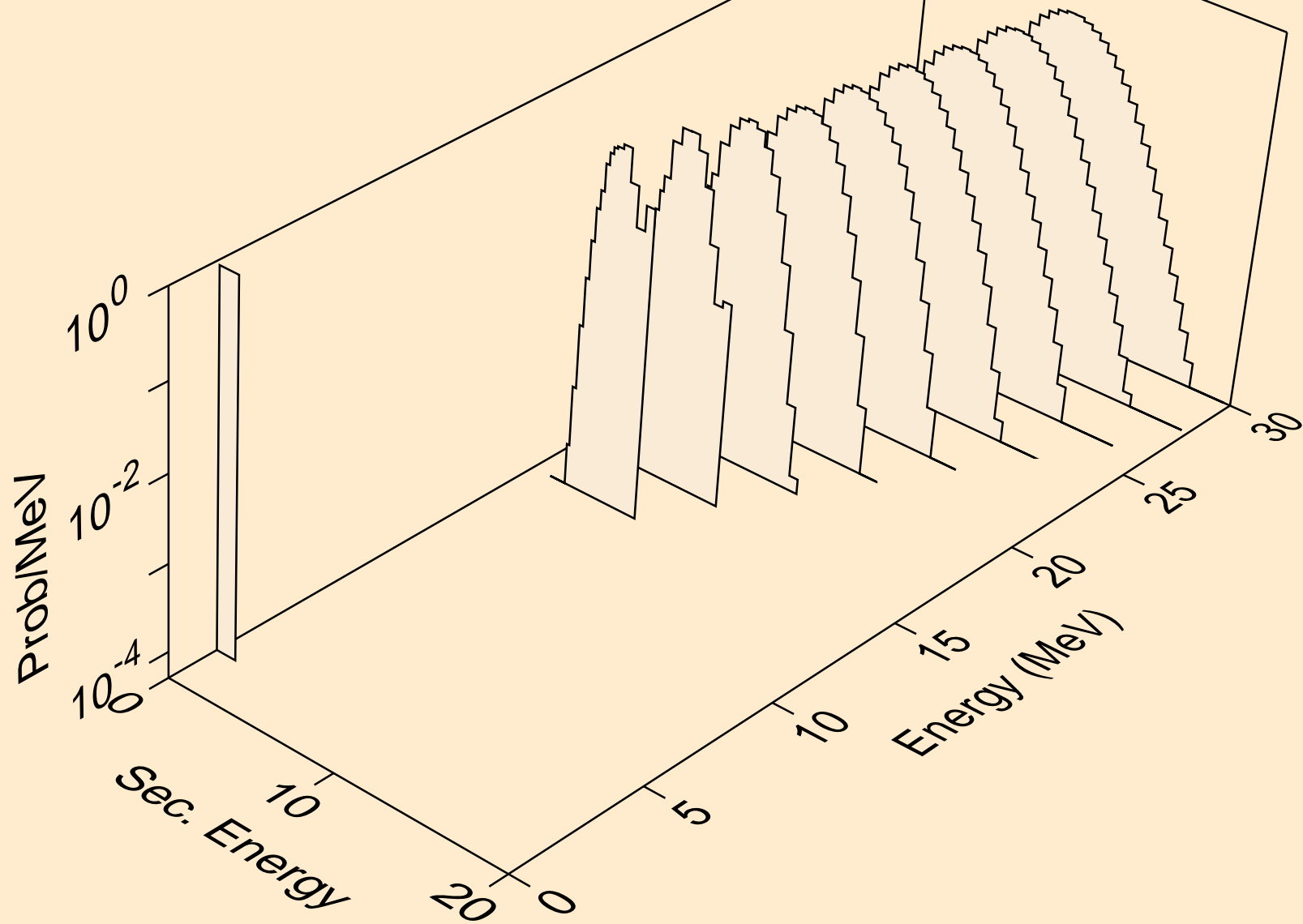
OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,p)



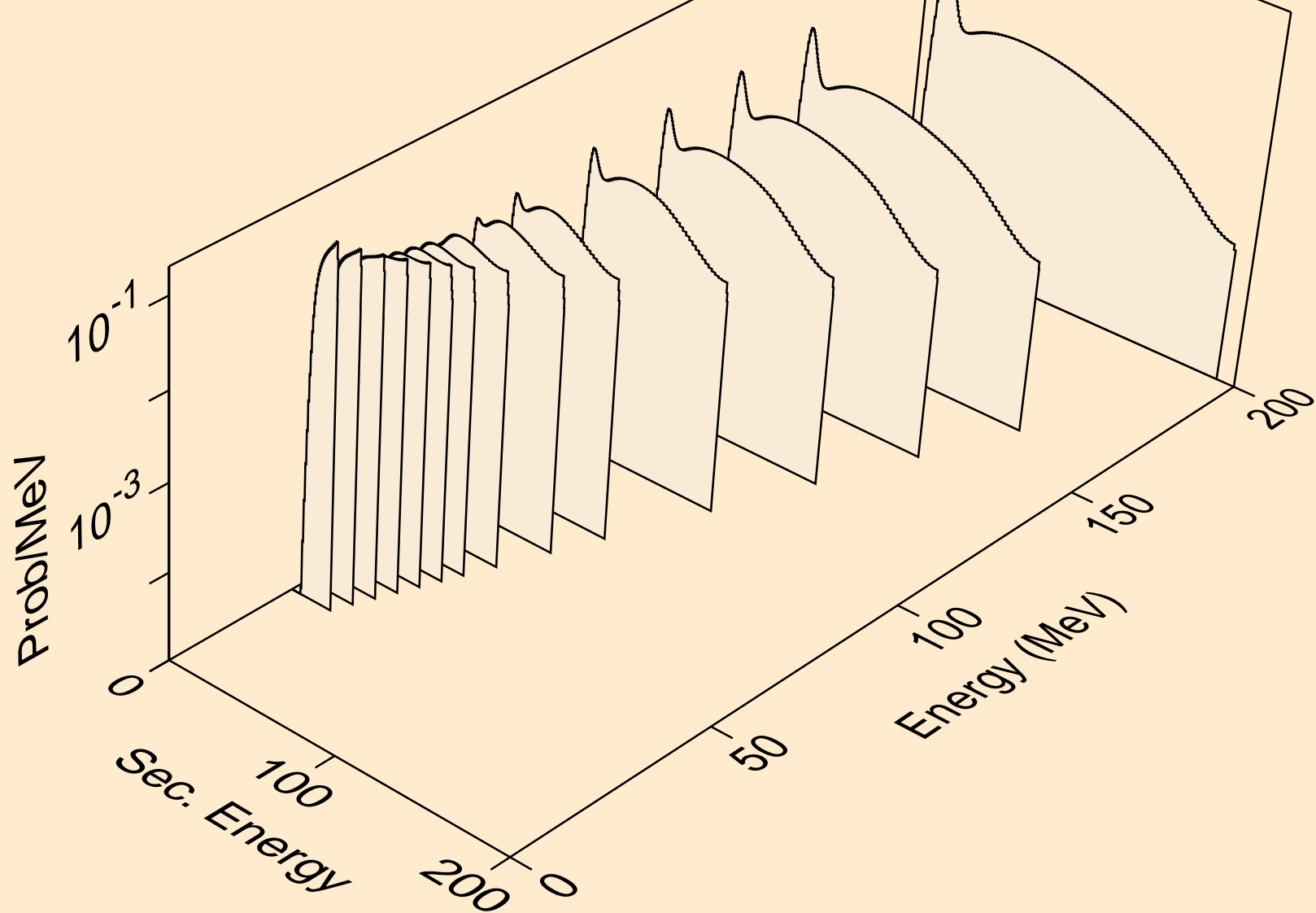
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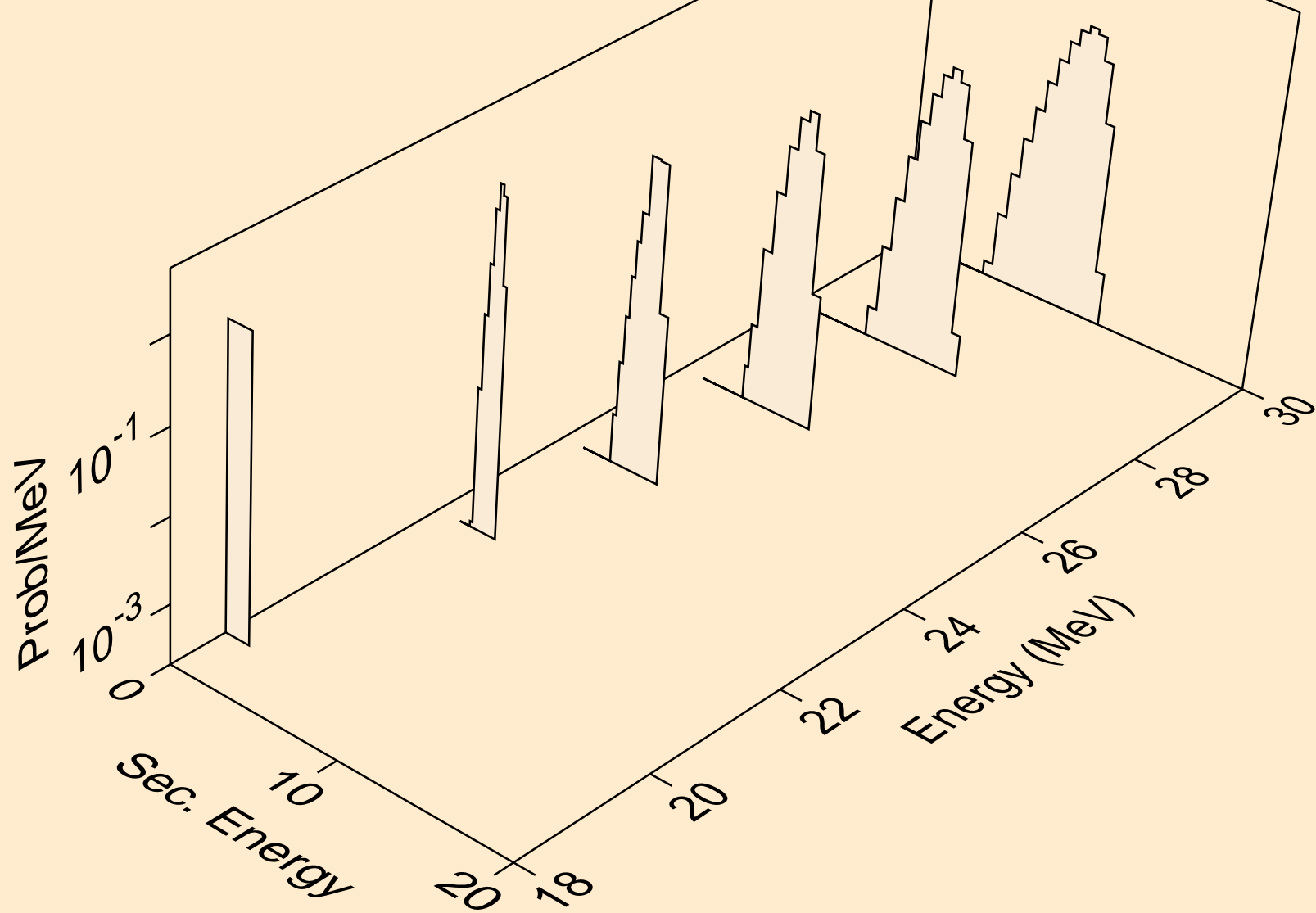
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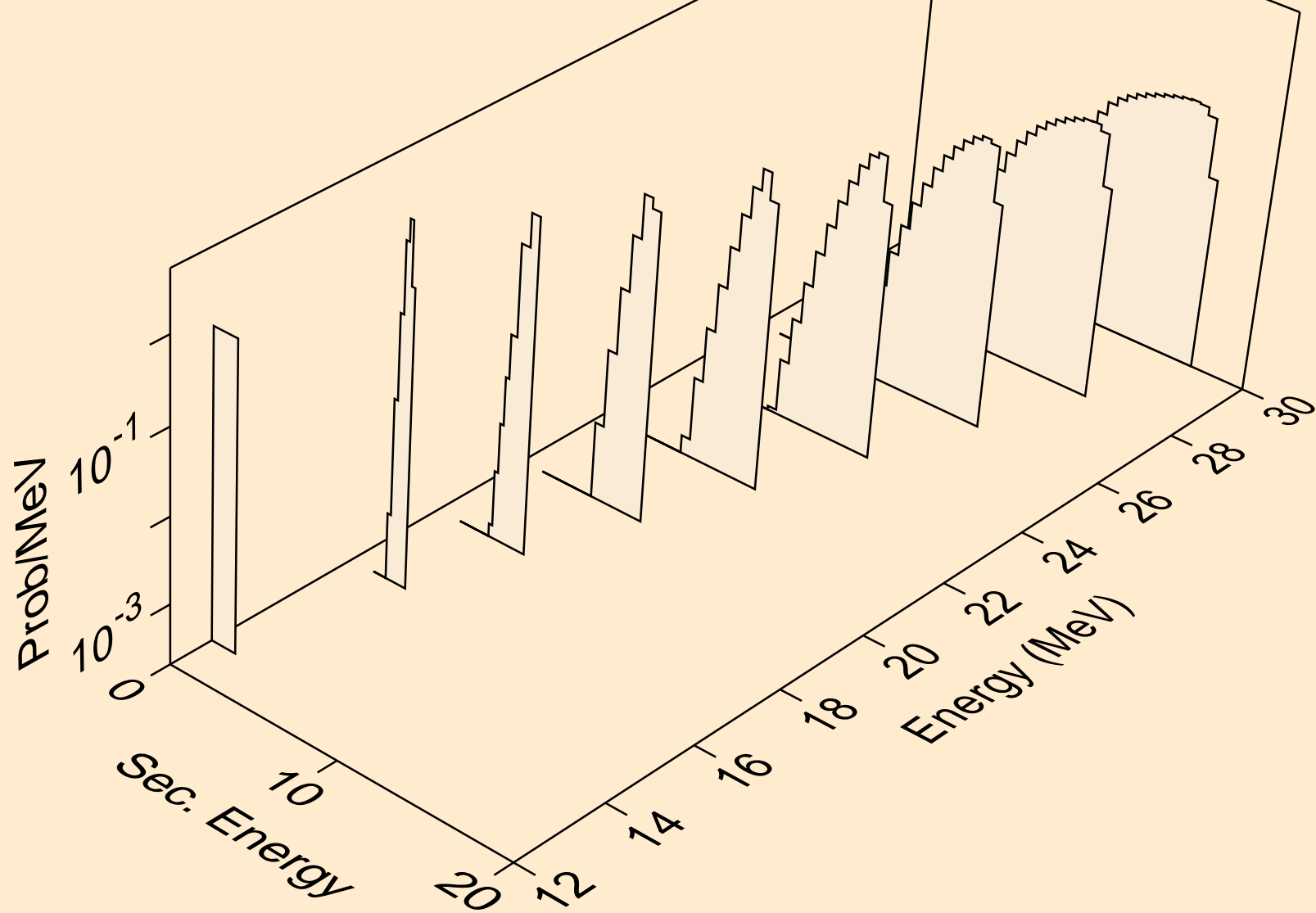
OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,x)



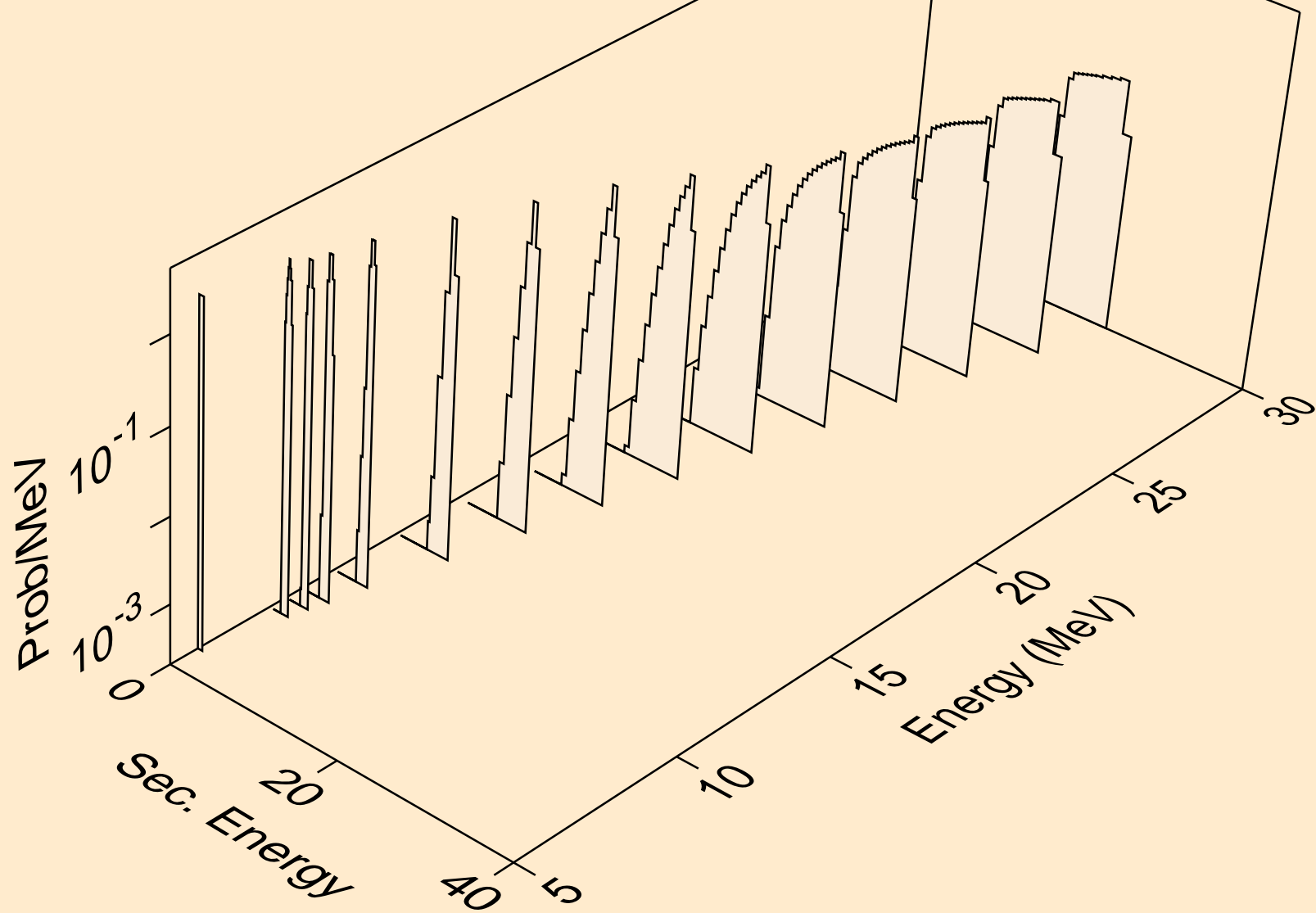
OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,2nd)



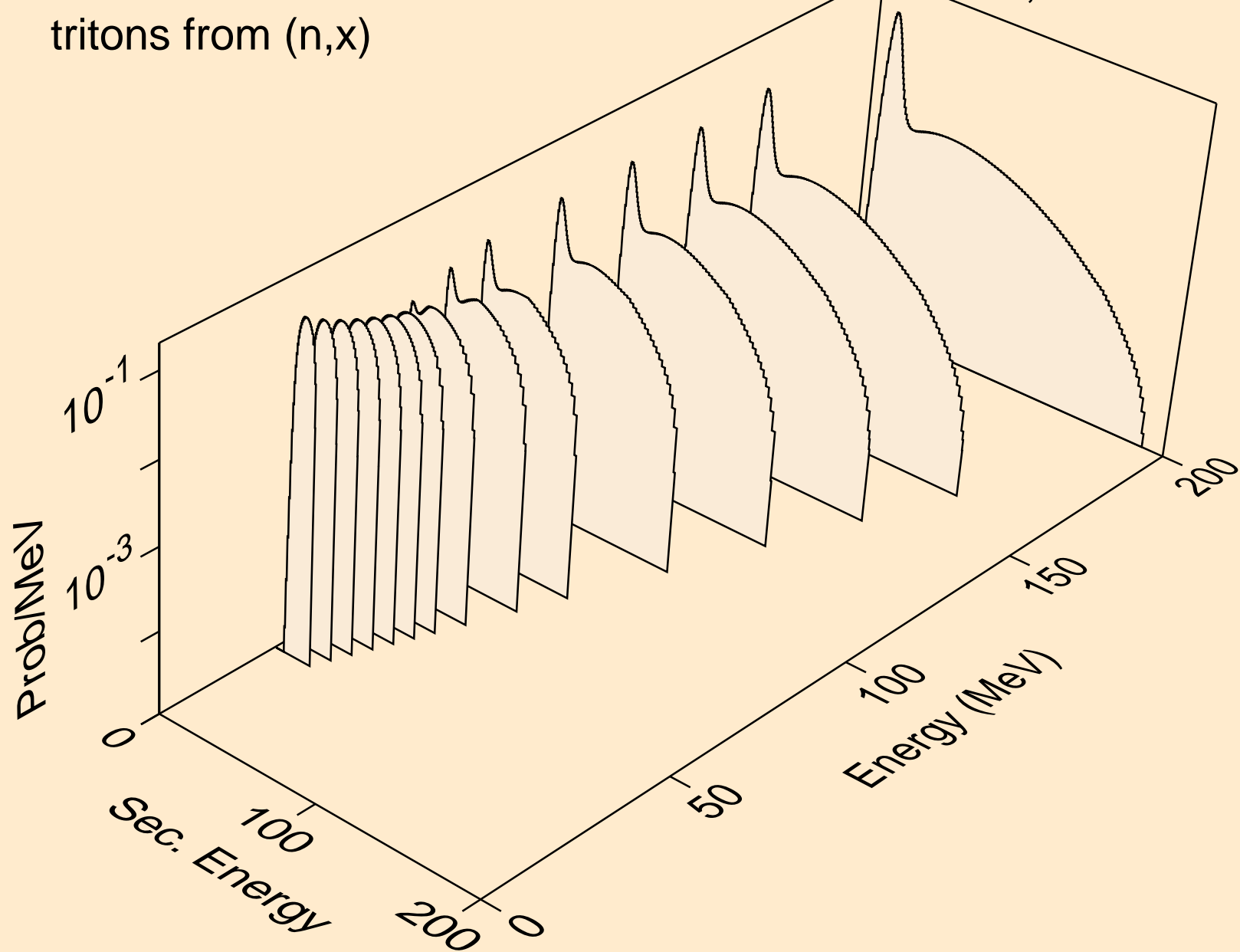
OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,n\*)d



OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,d)

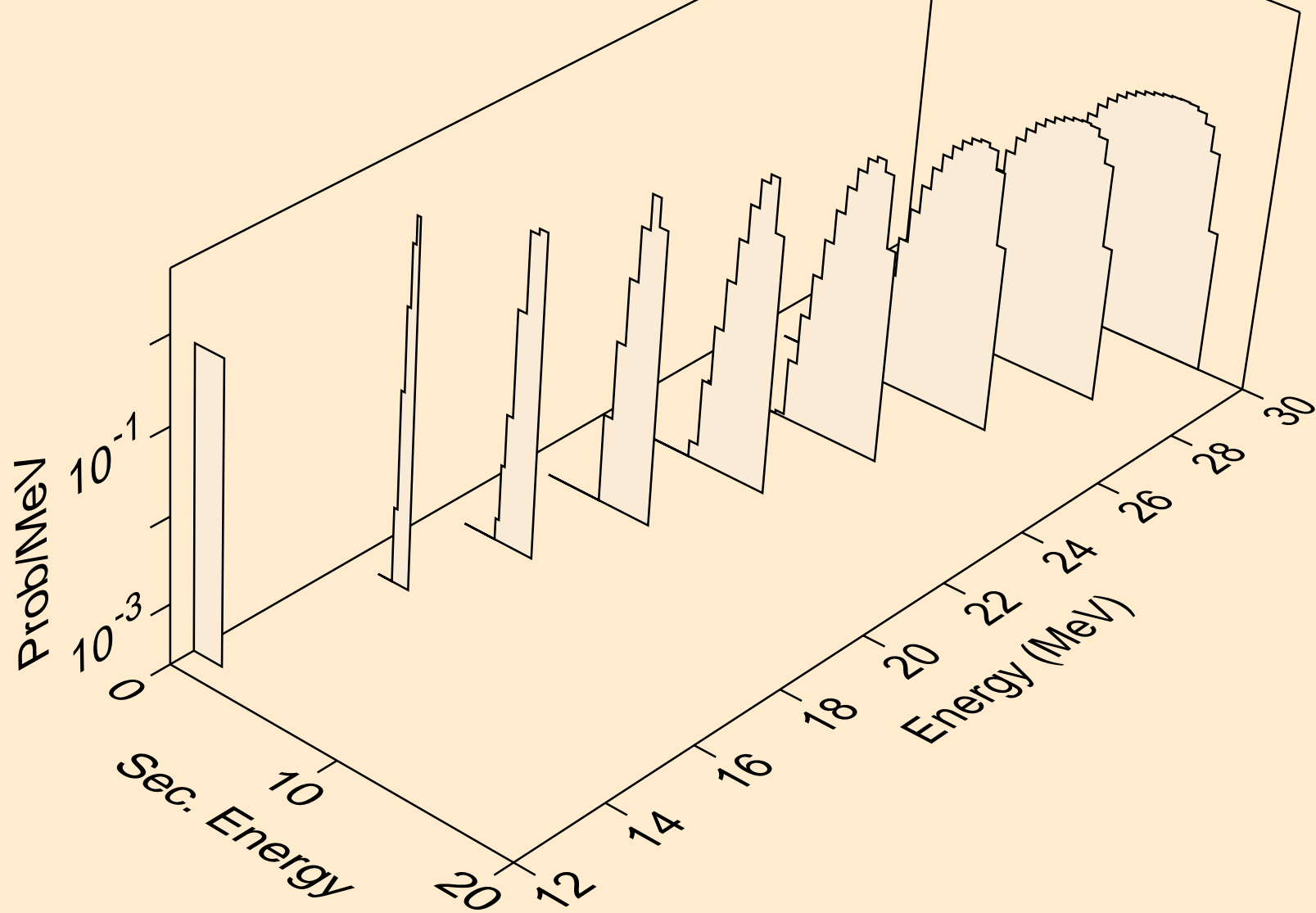


OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,x)

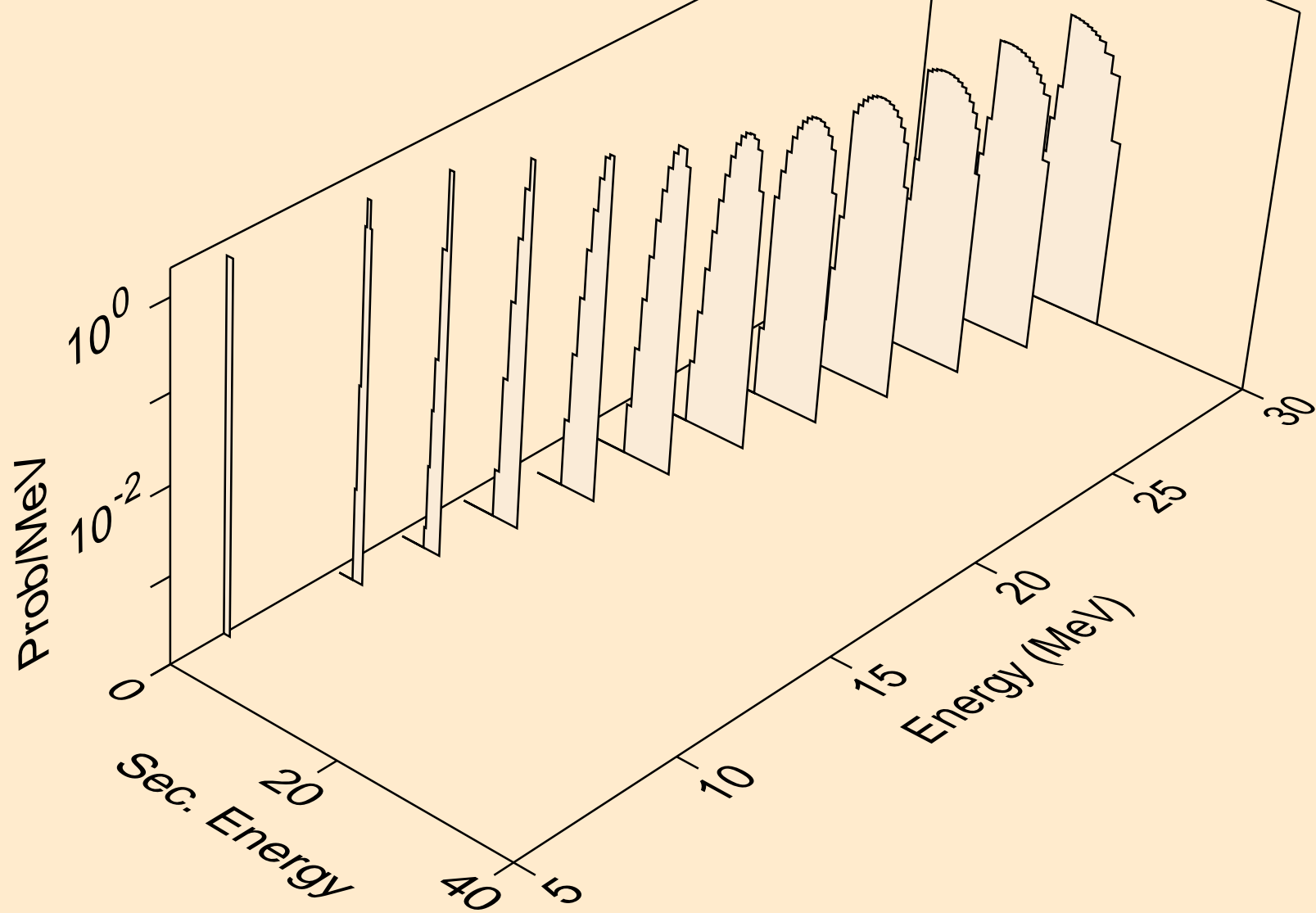




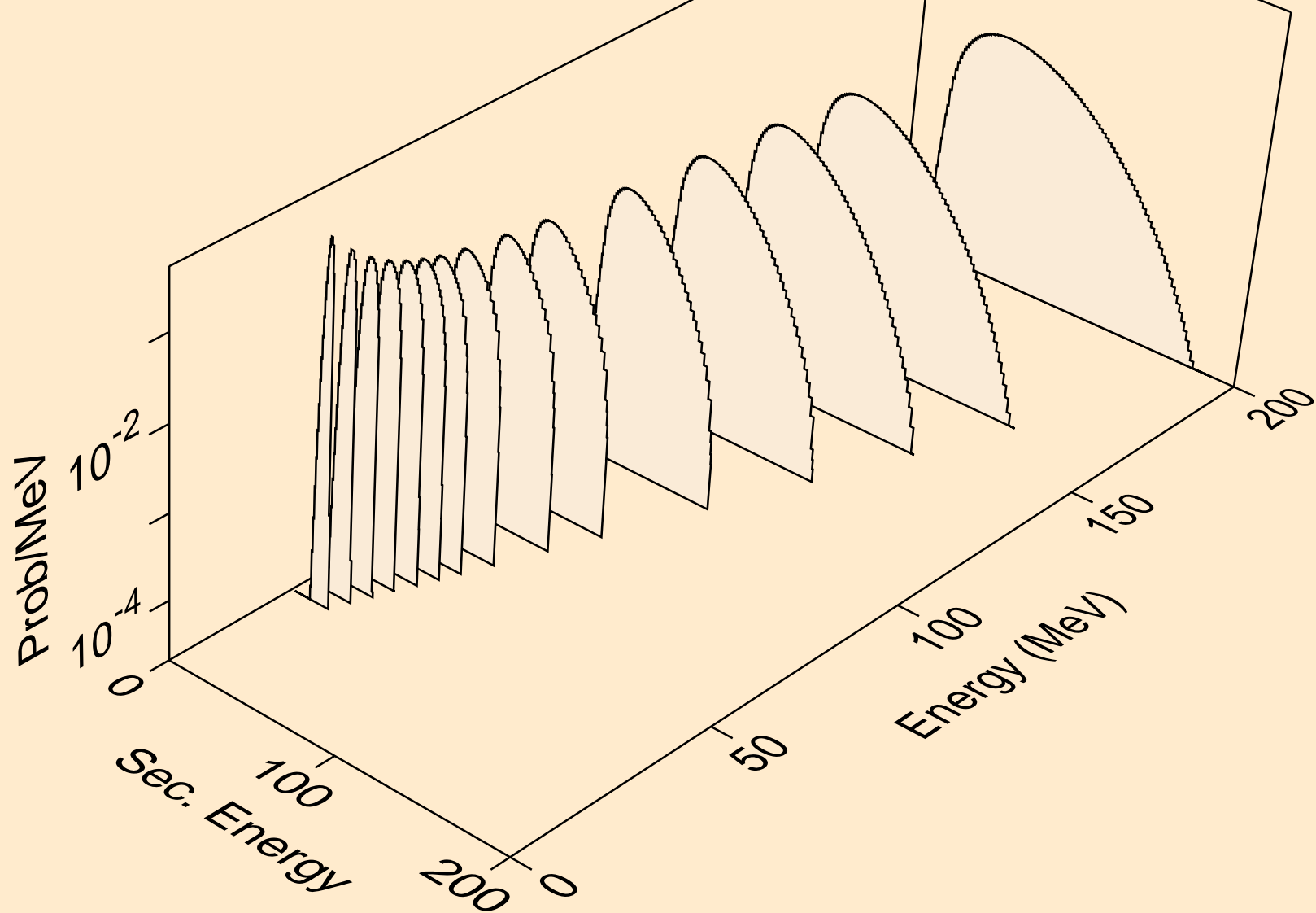
OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,n\*)t



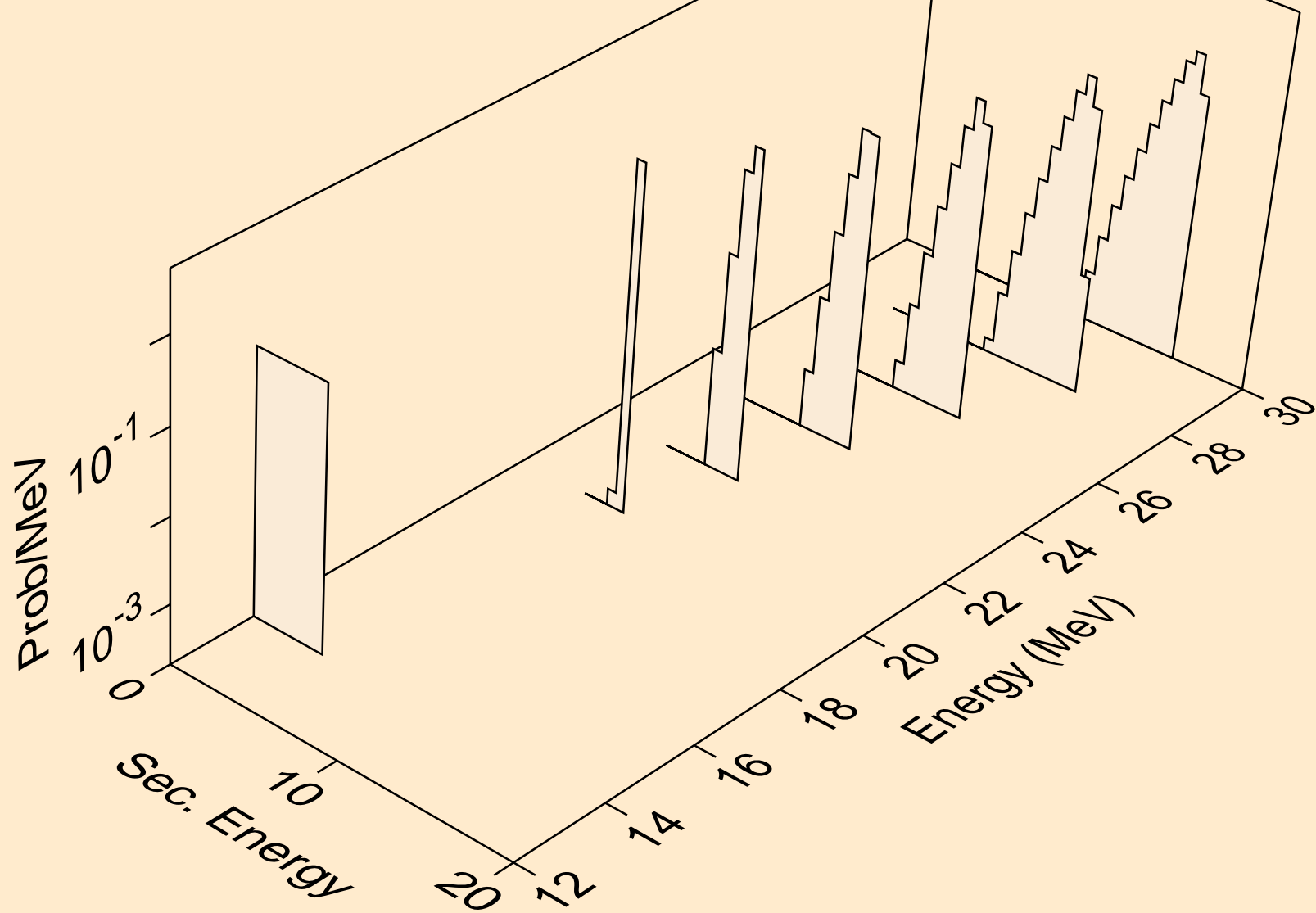
OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,t)



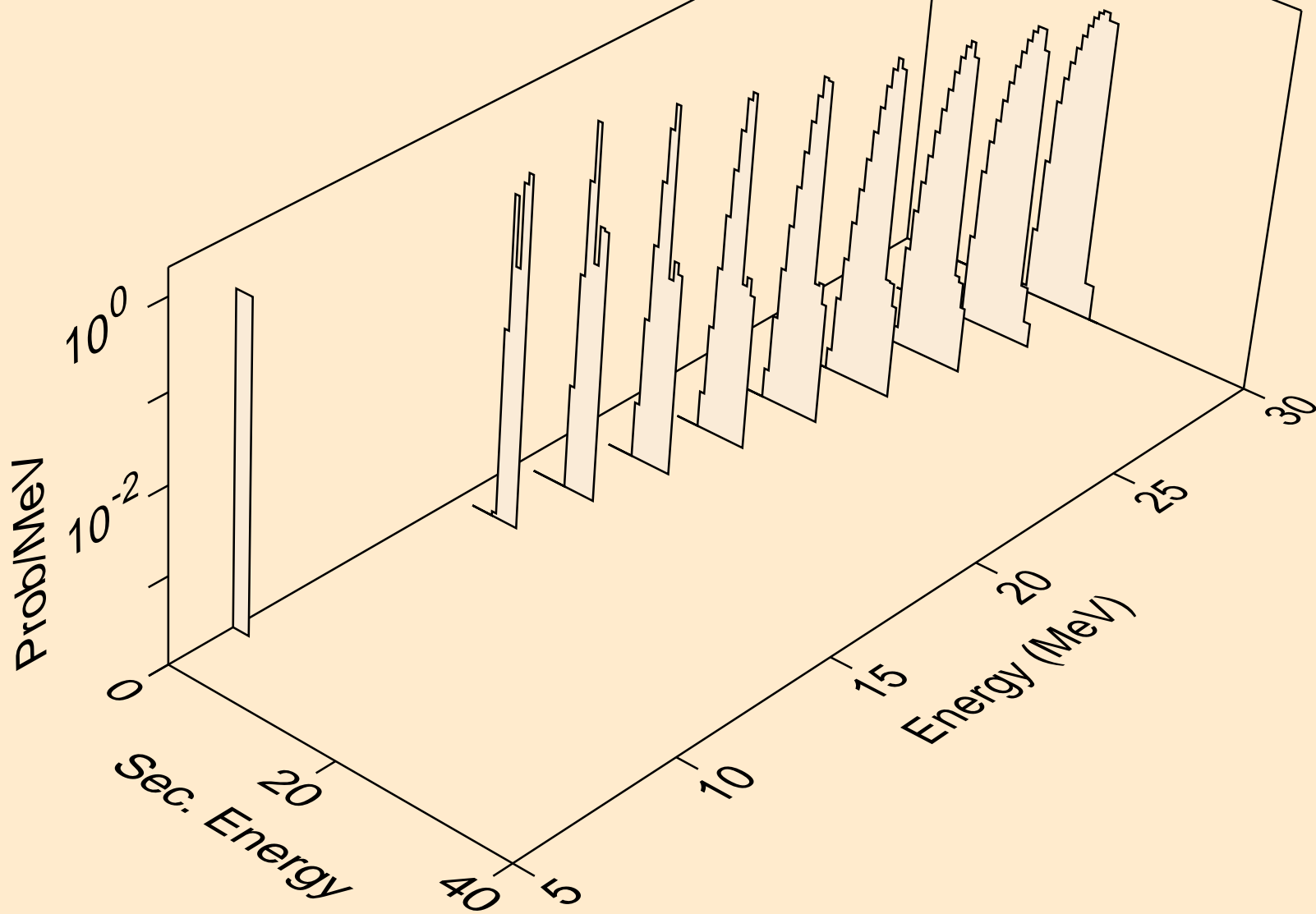
OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,x)



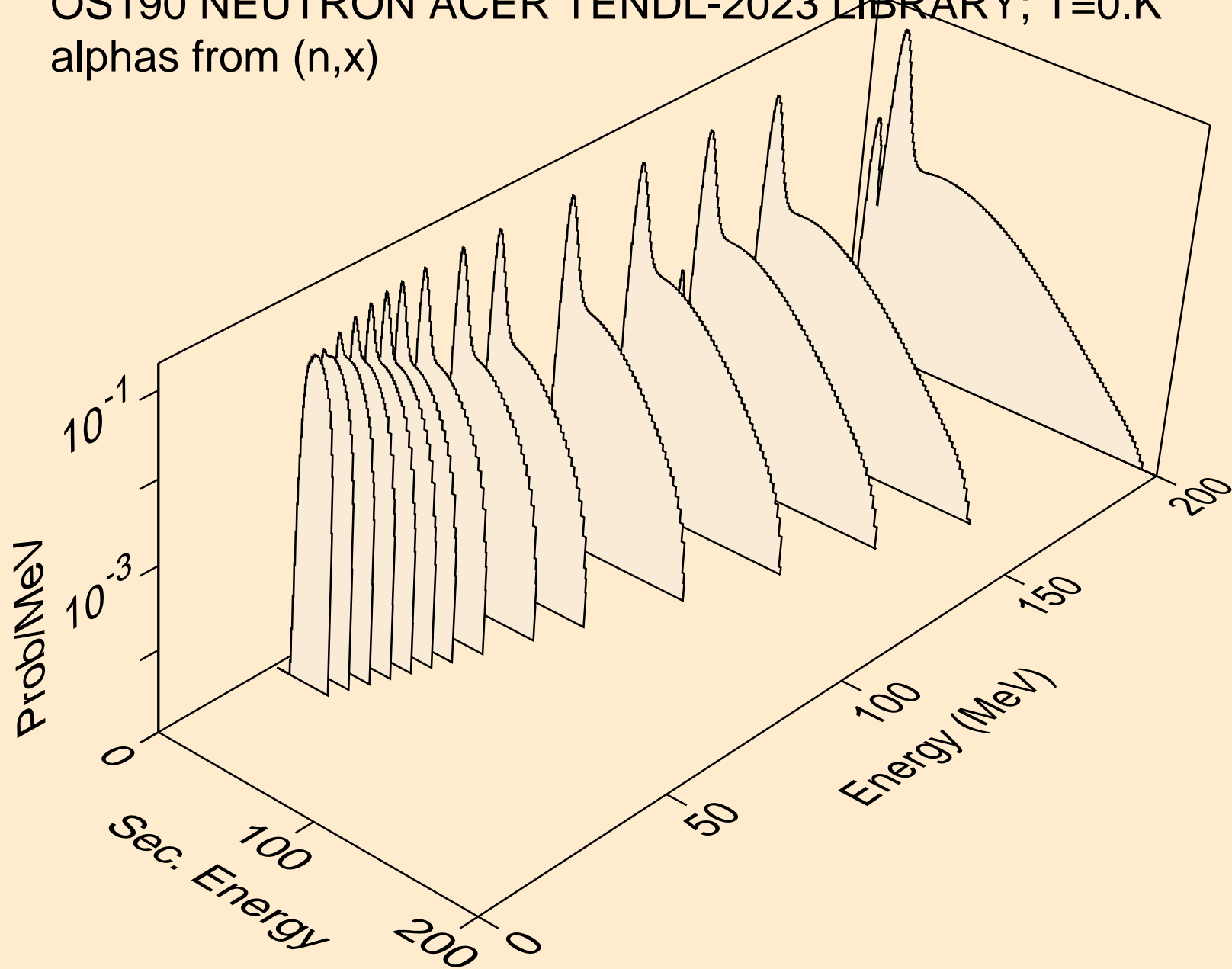
OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,n\*)he3



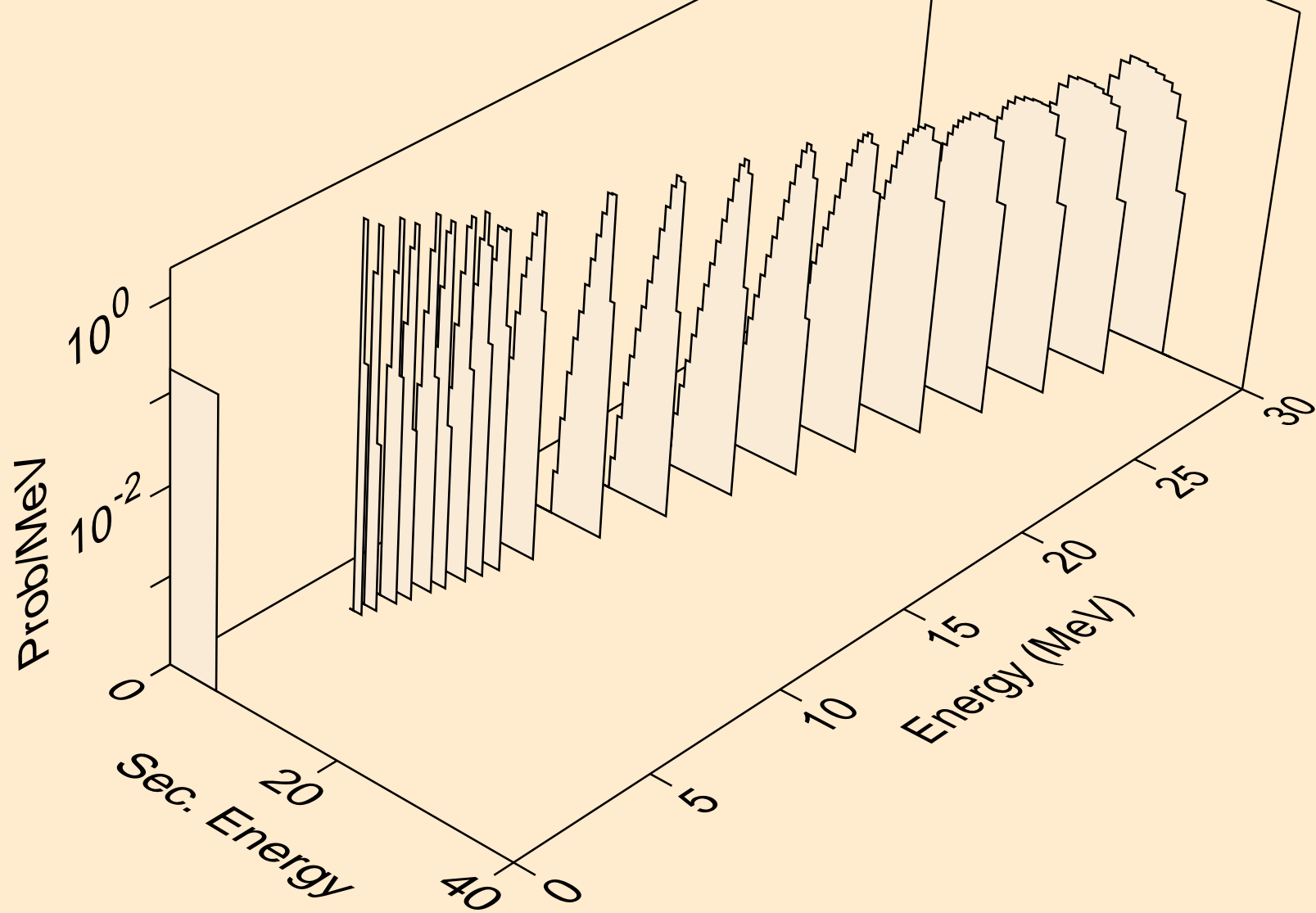
OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,he3)



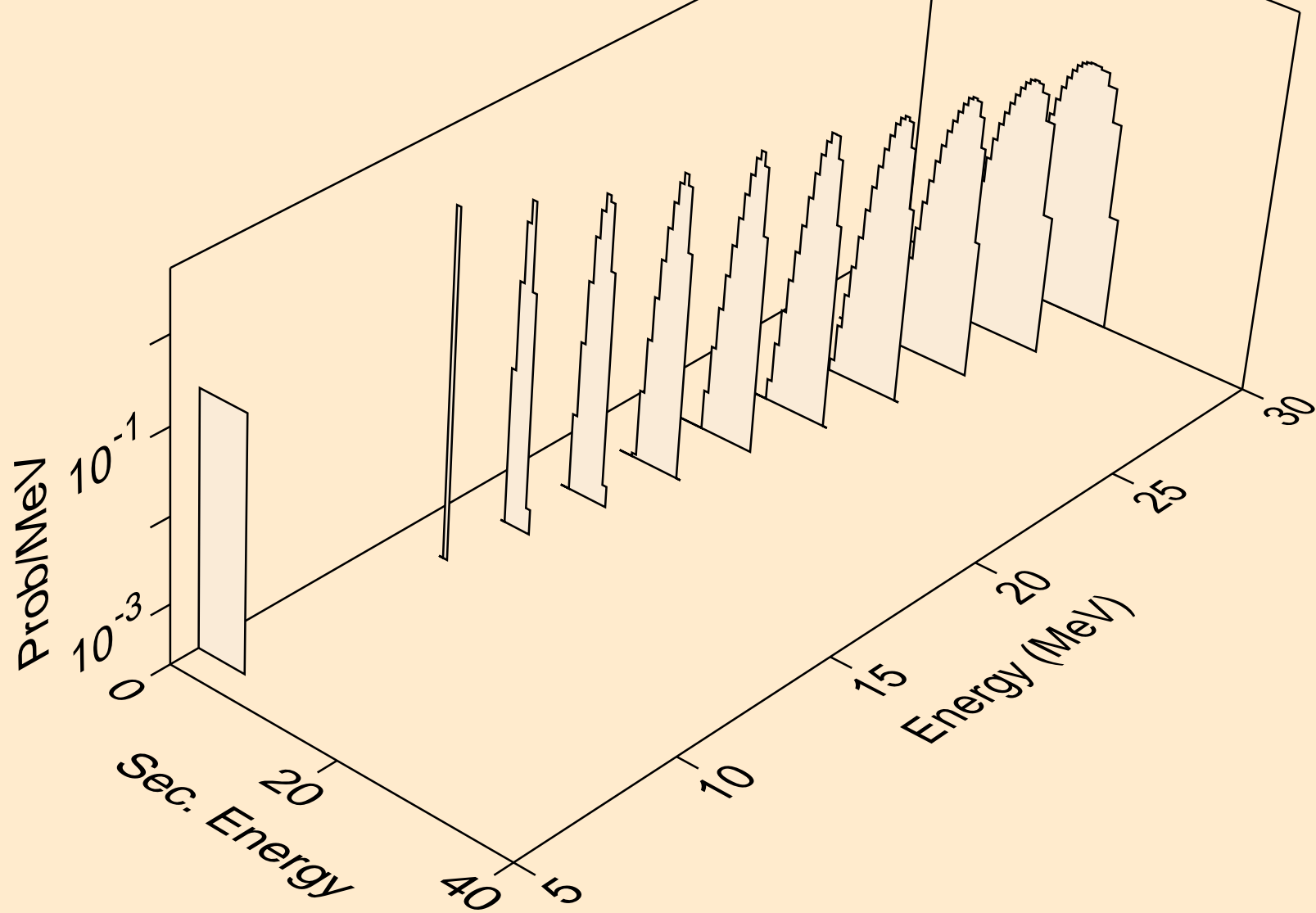
OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,x)



OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)a

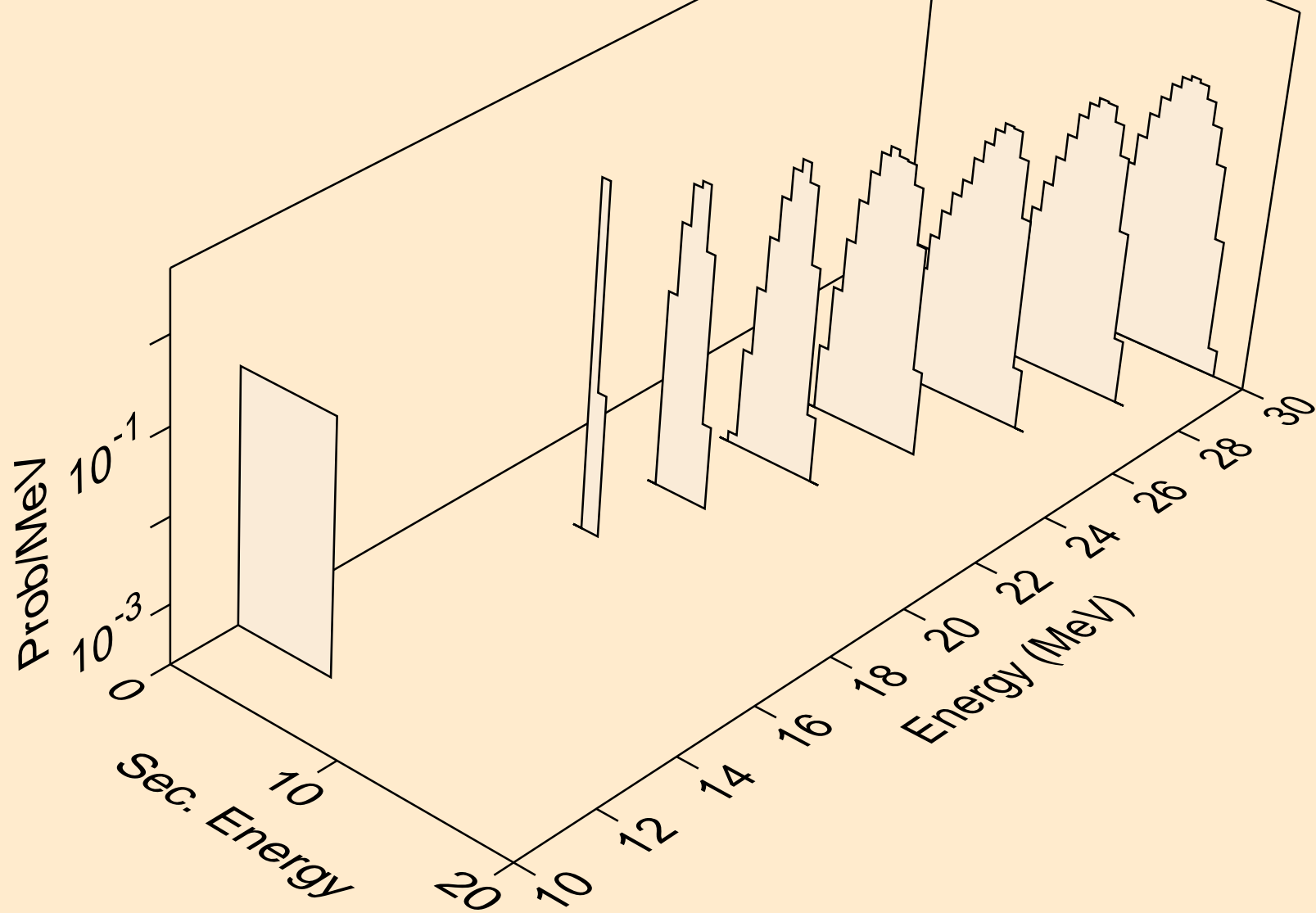


OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2n)a

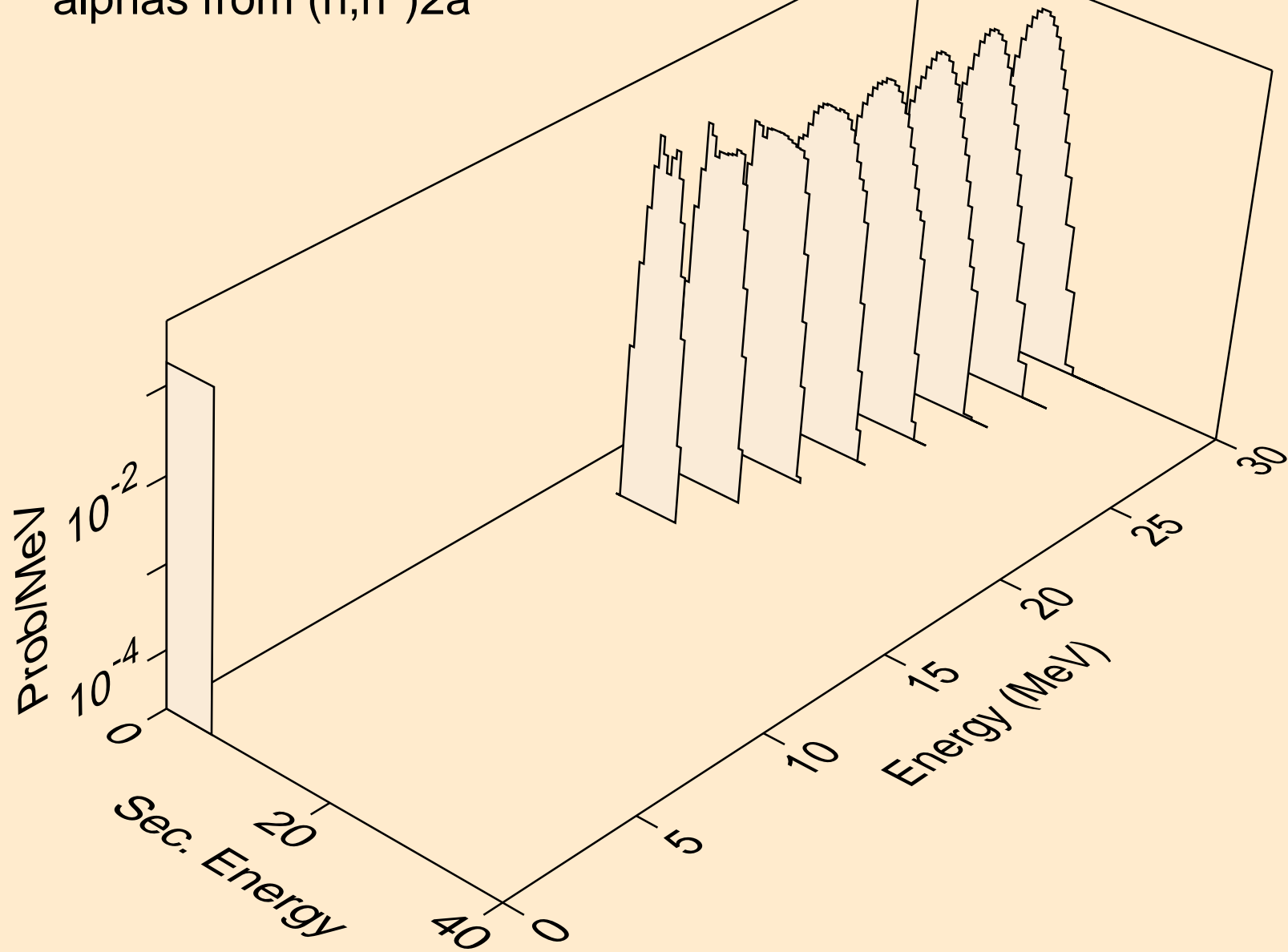




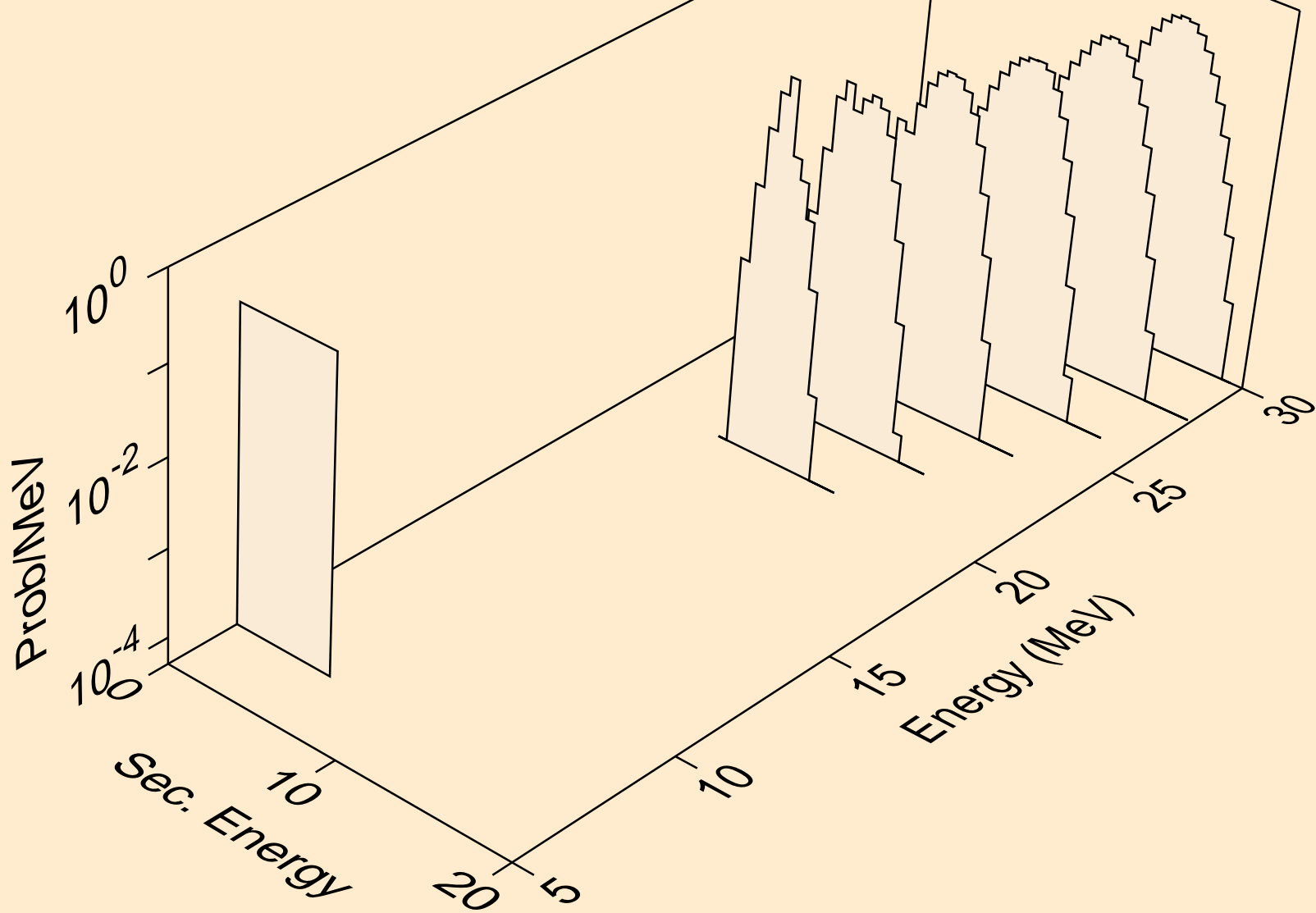
OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,3n)a



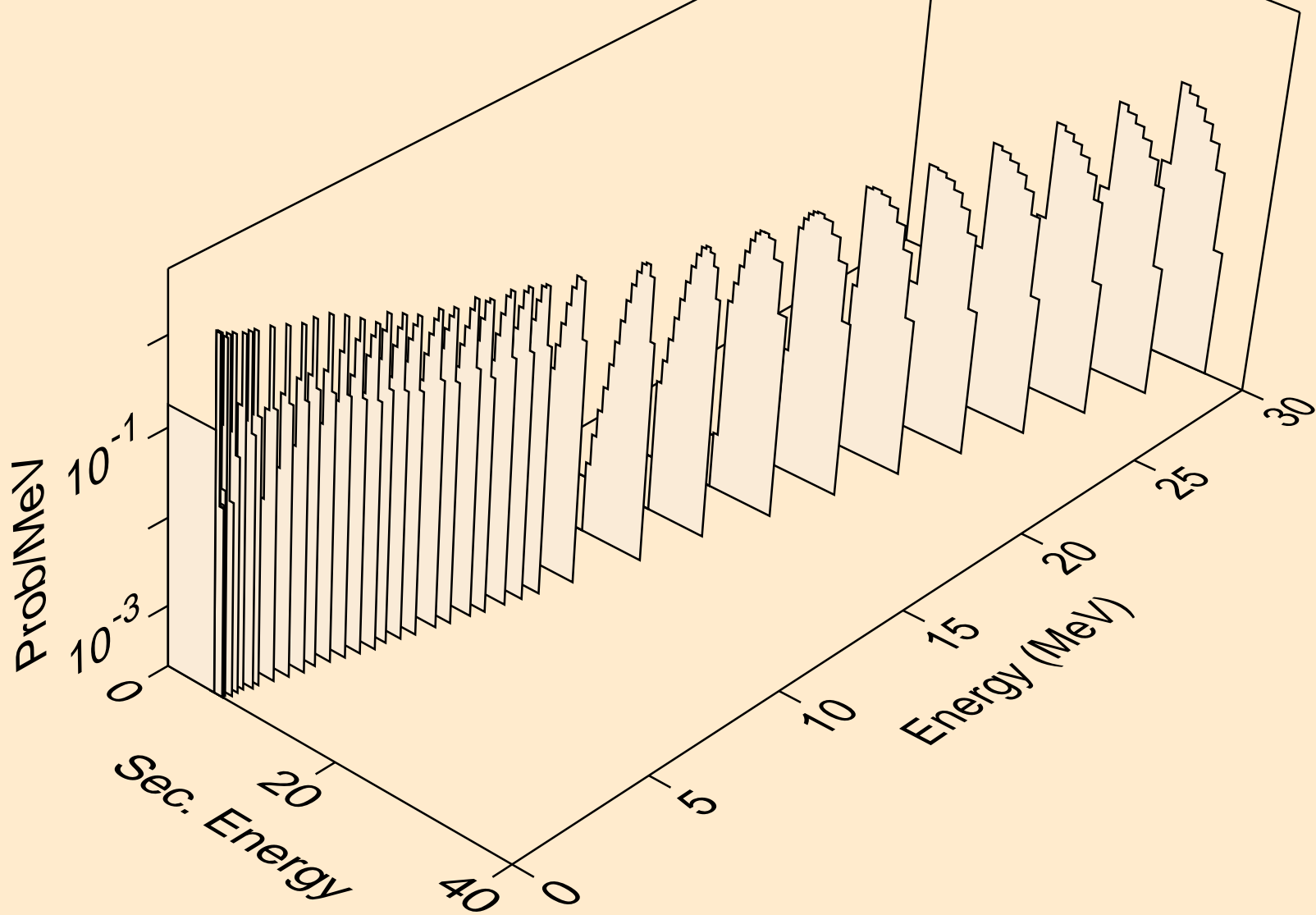
OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)2a



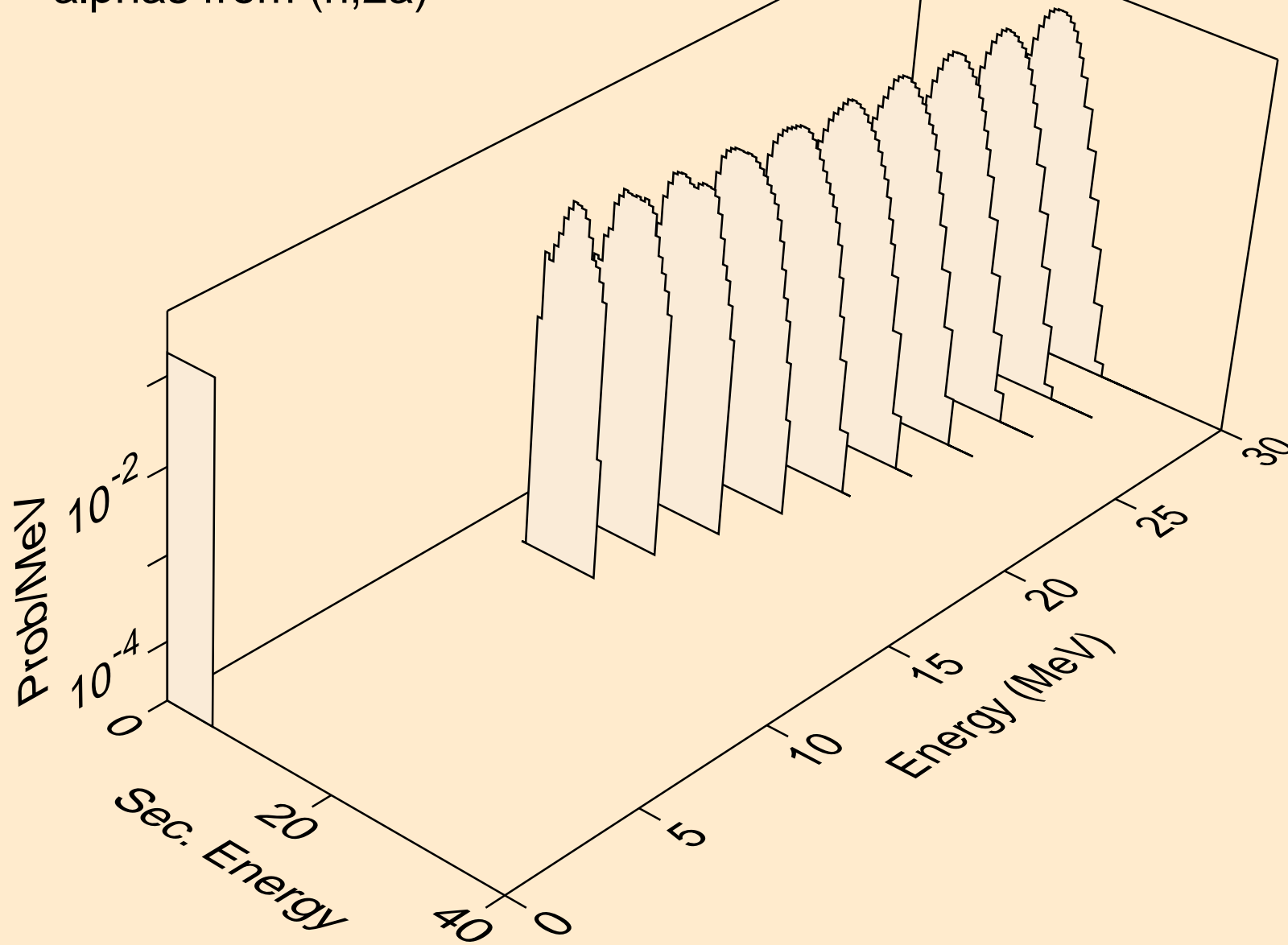
OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,npa)



OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,a)



OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2a)



OS190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,pa)

