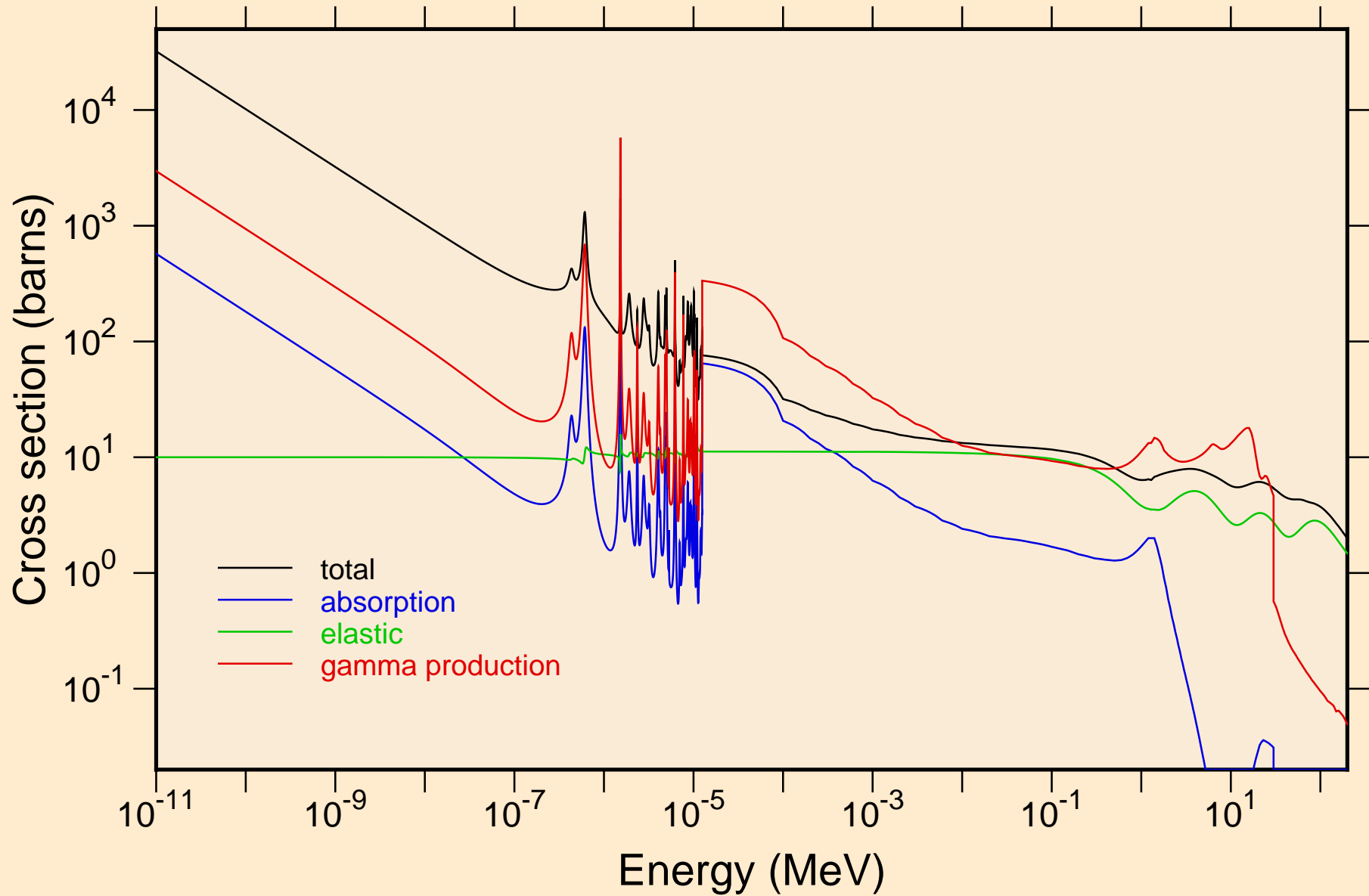
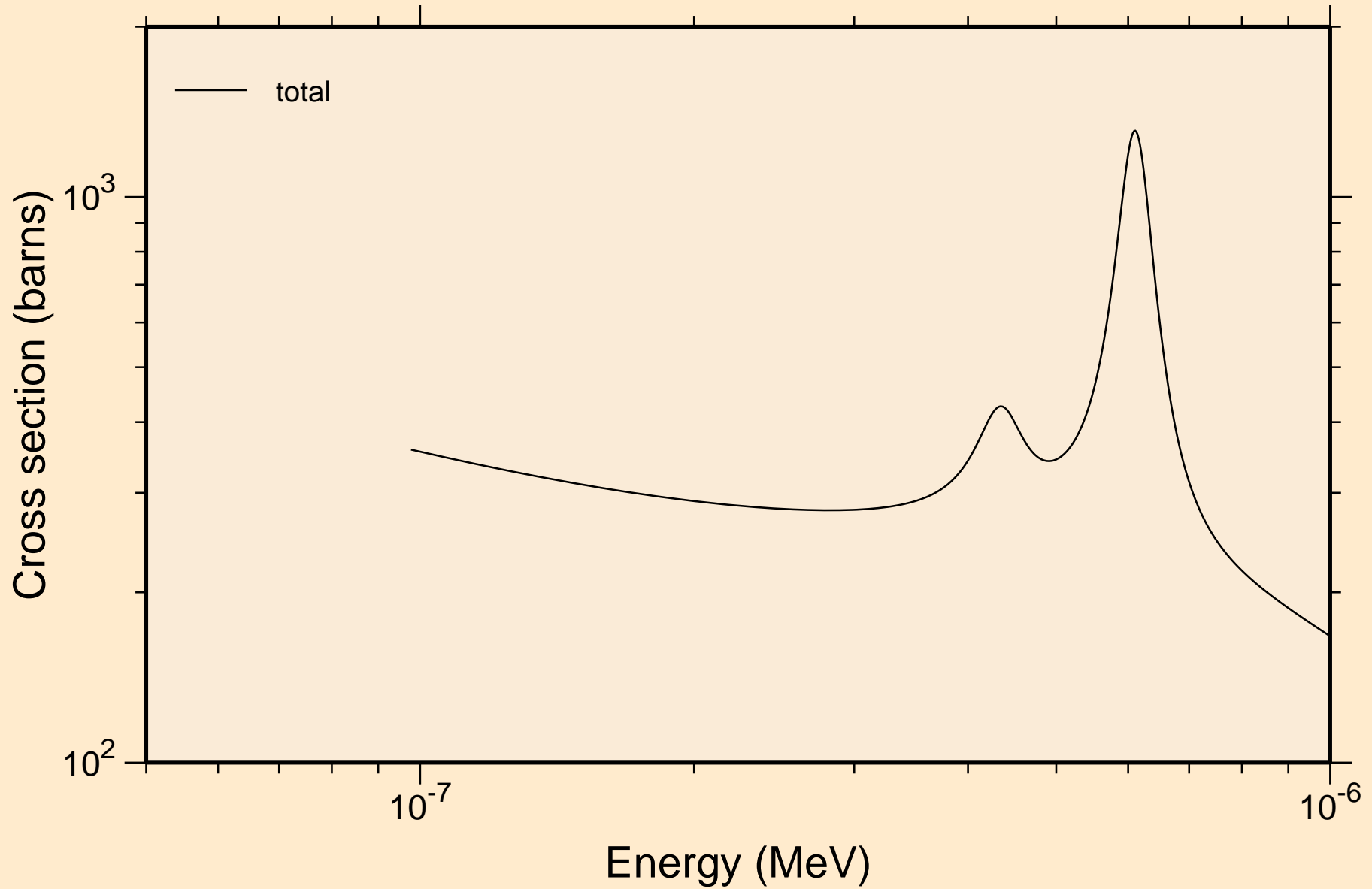


# U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

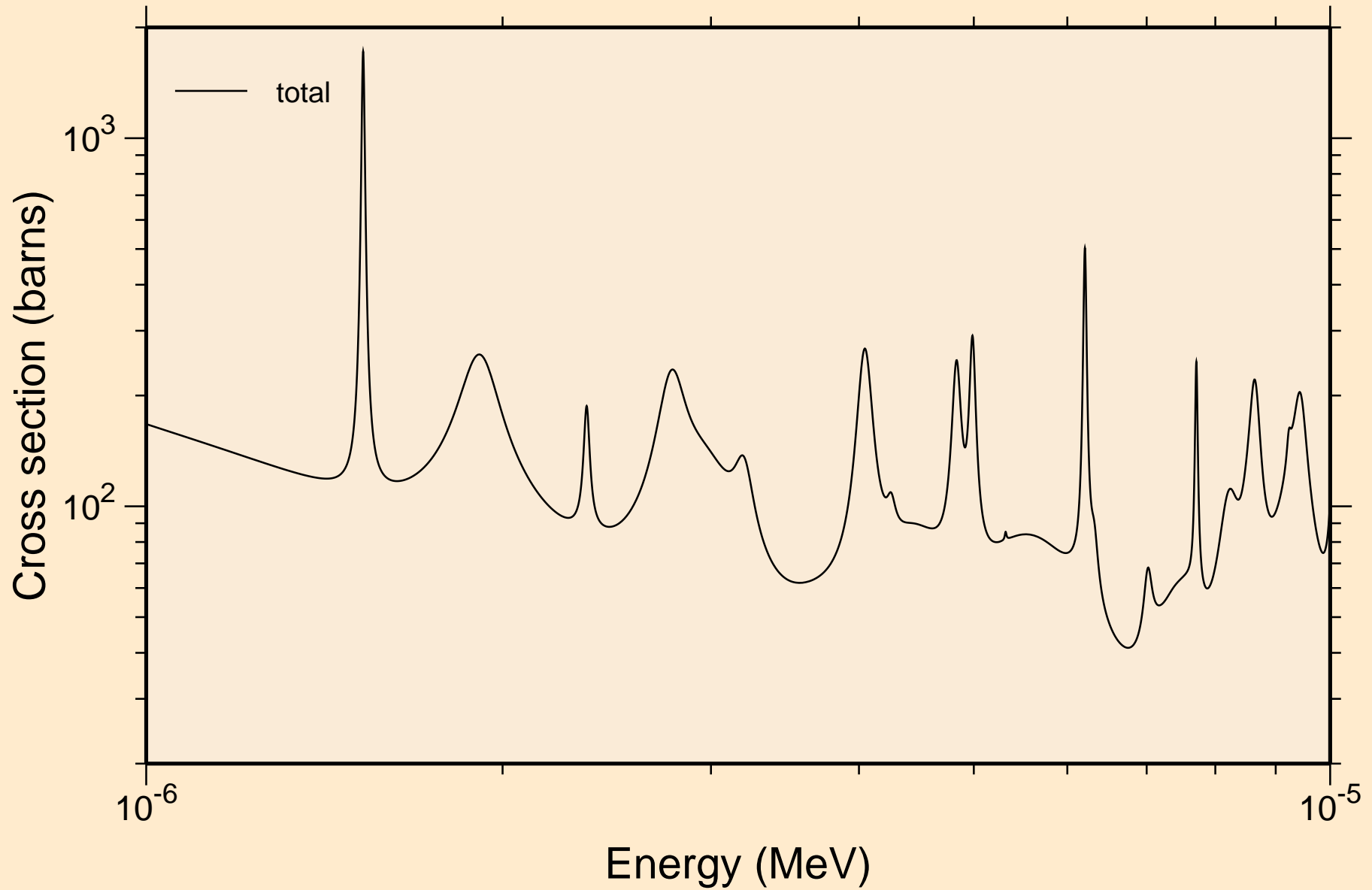
## Principal cross sections



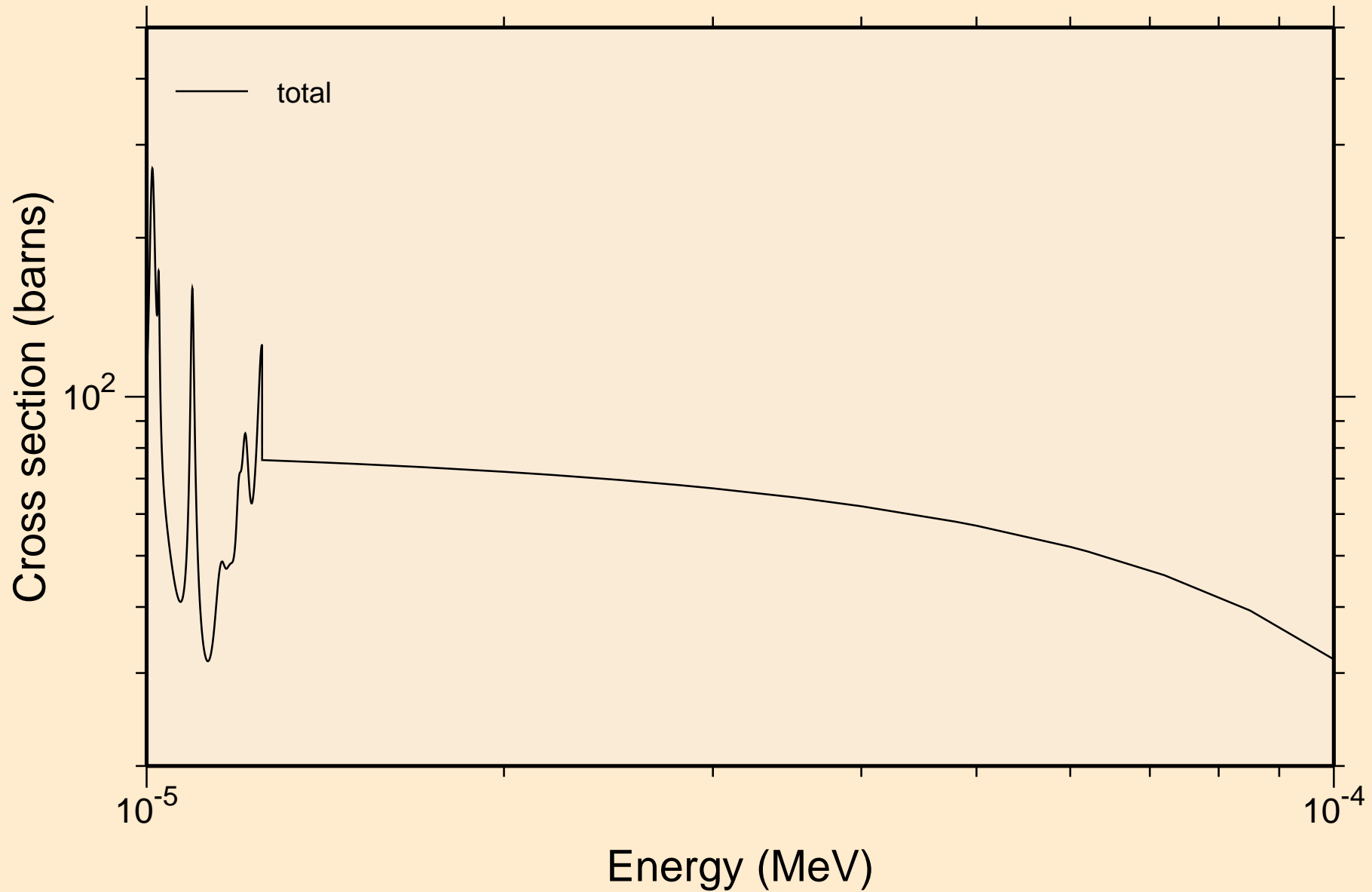
U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



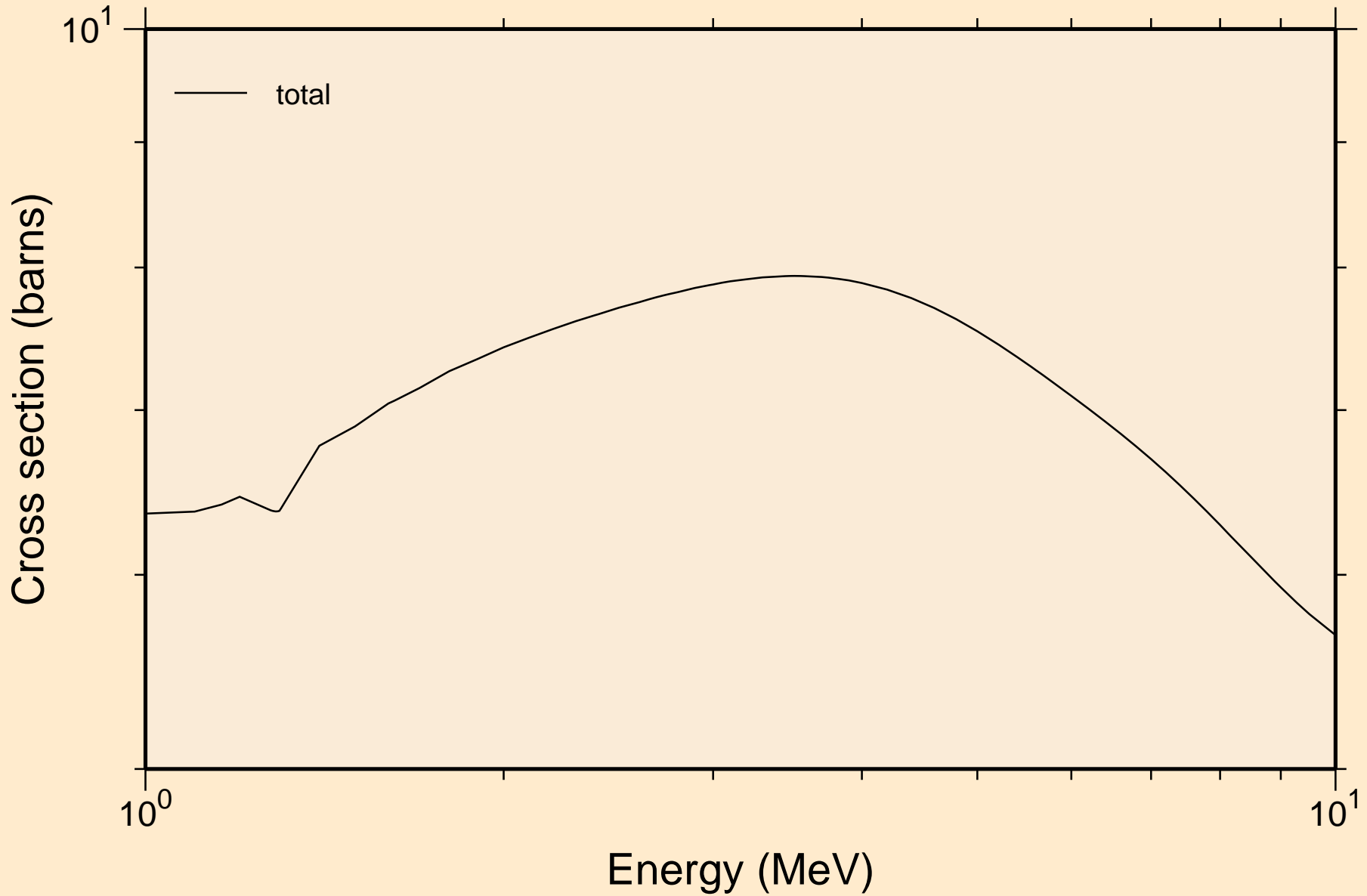
U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



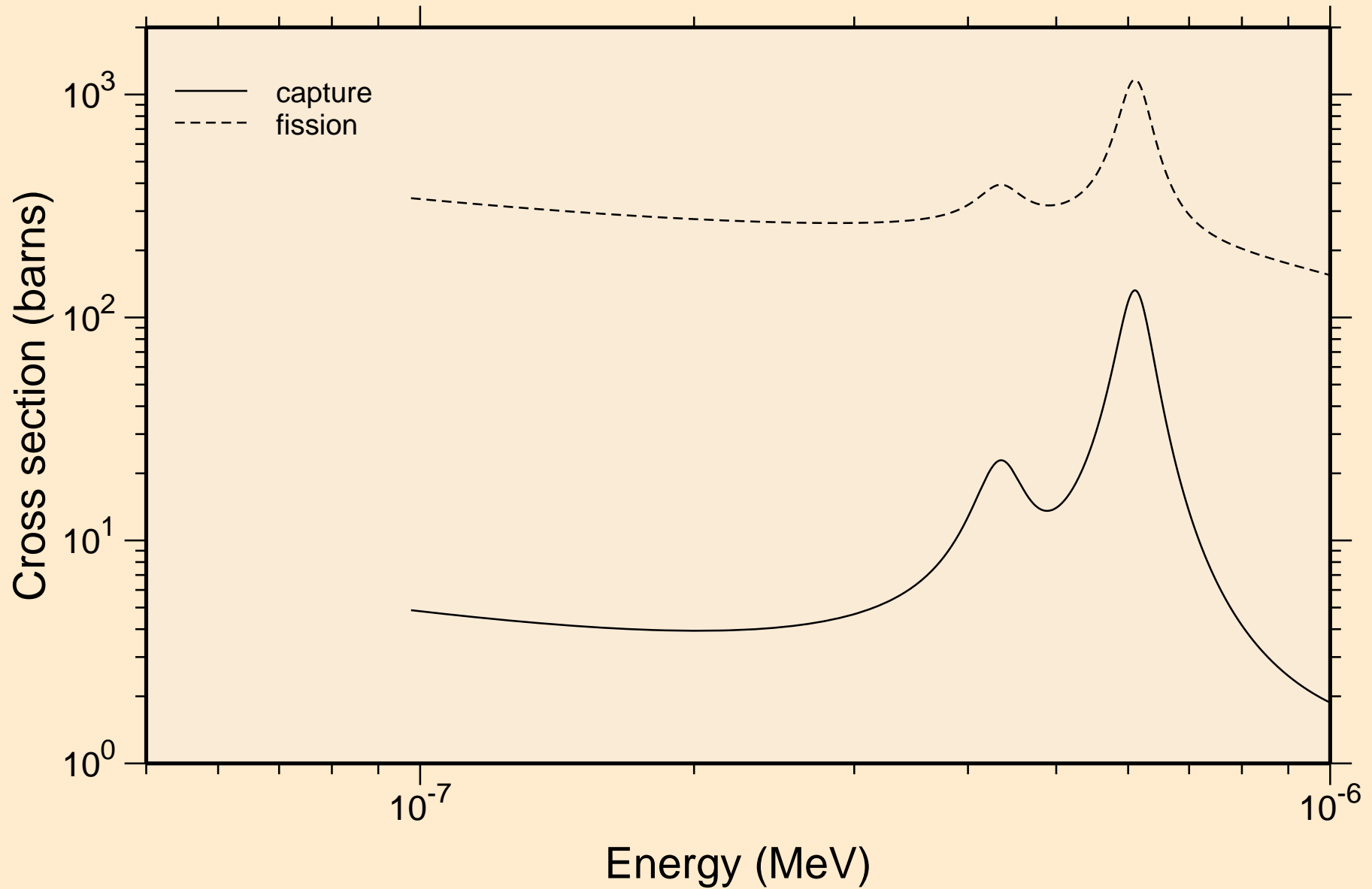
U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



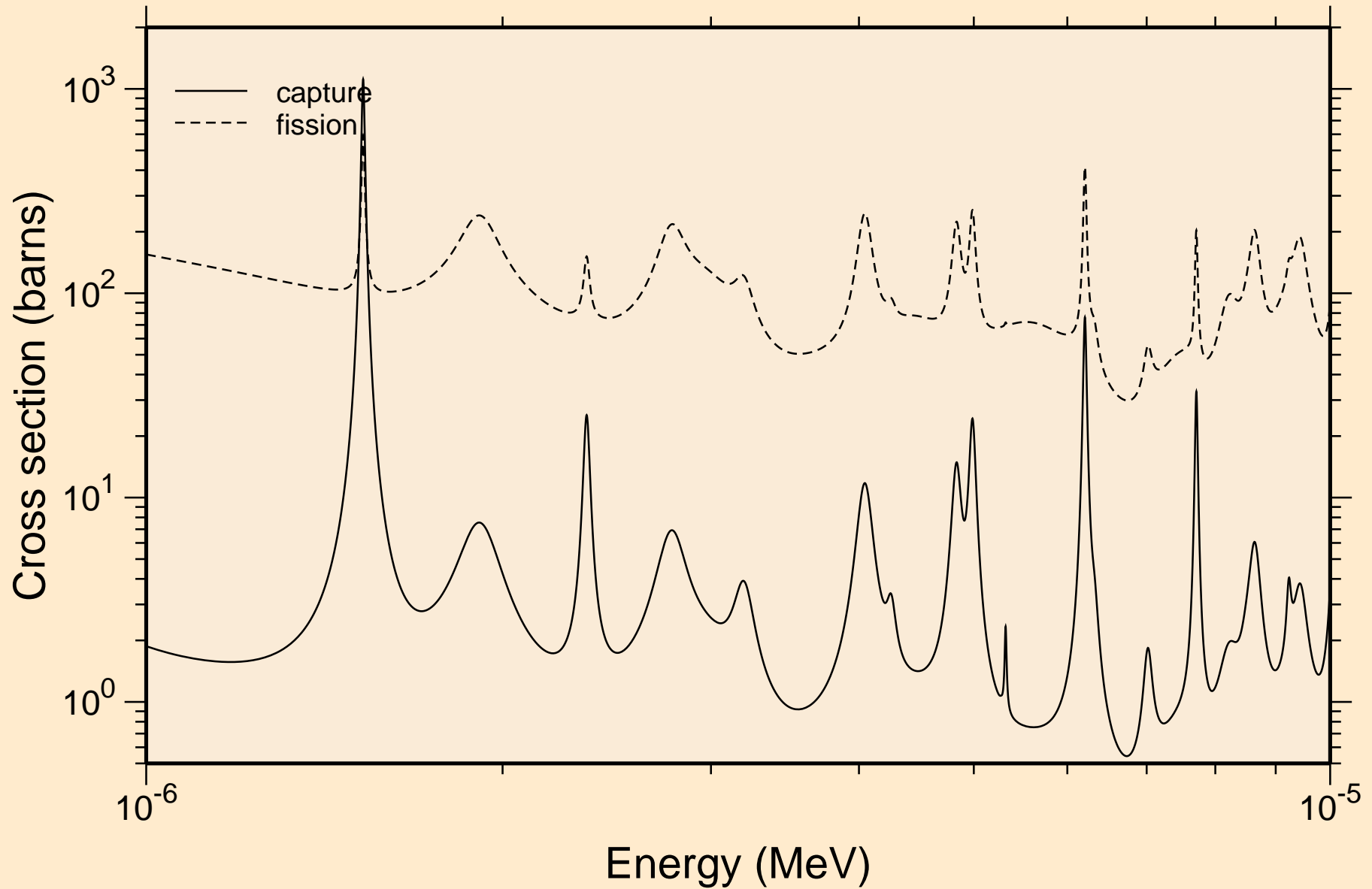
U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



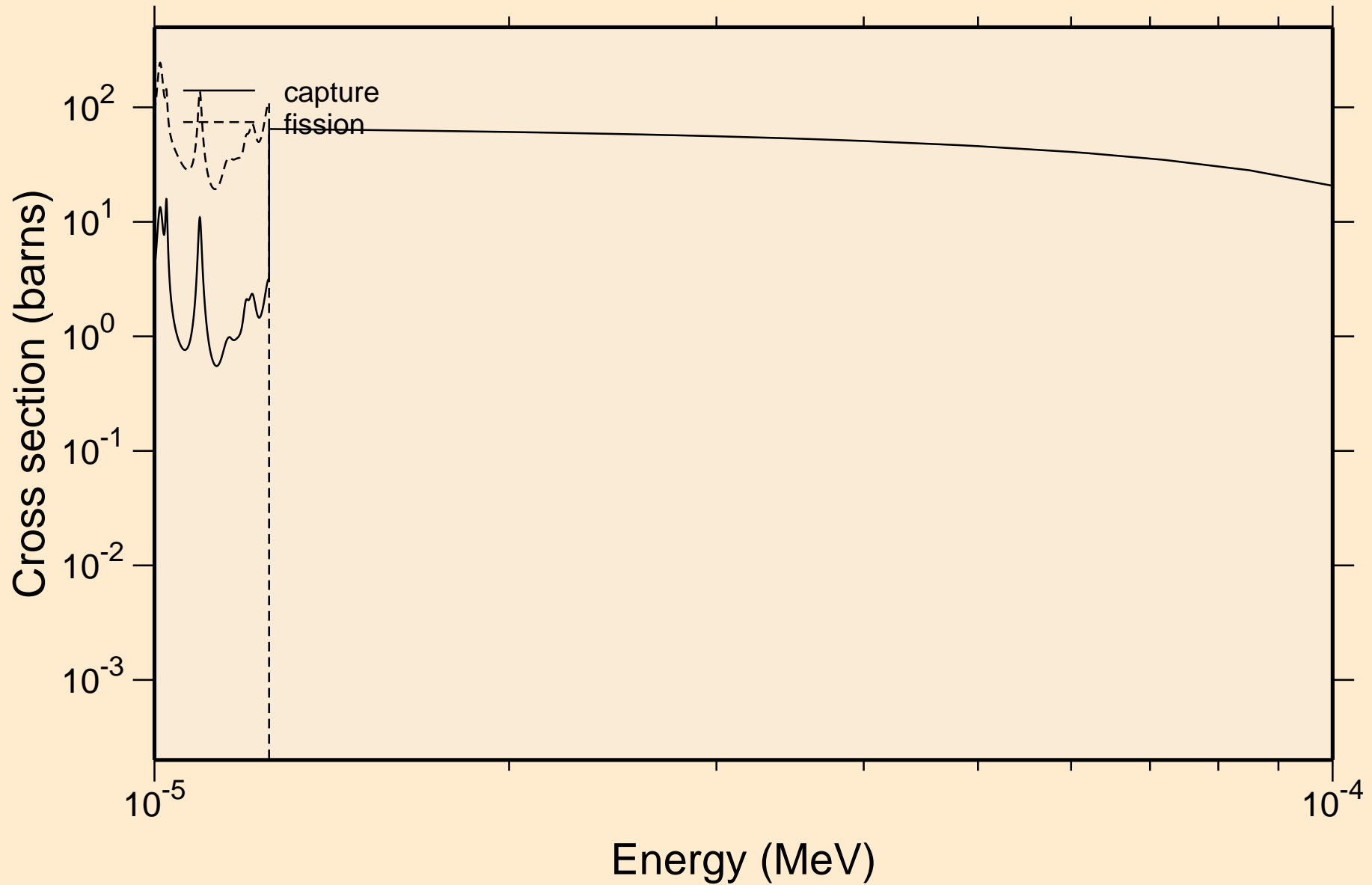
U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections

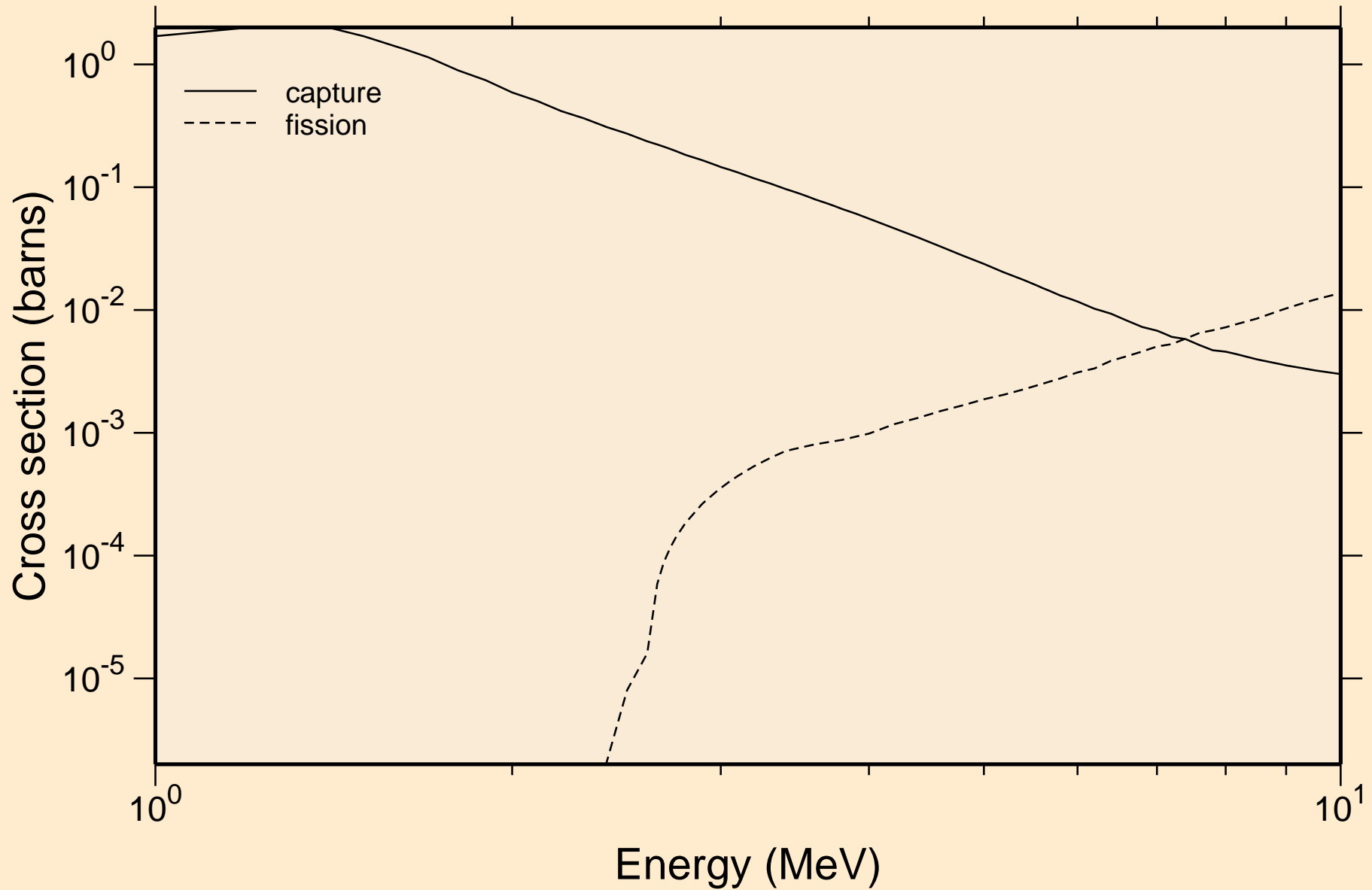


U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



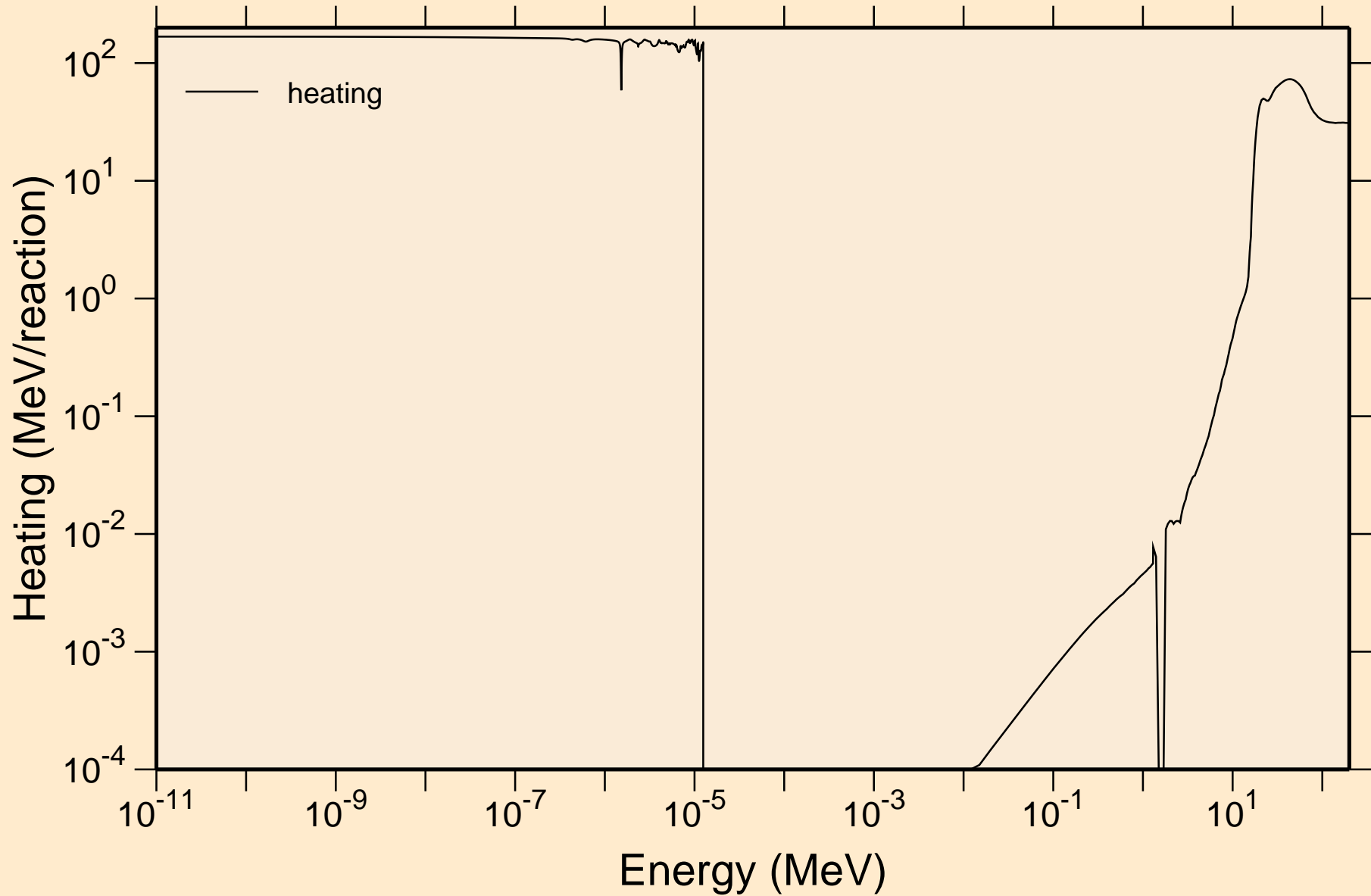


U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections

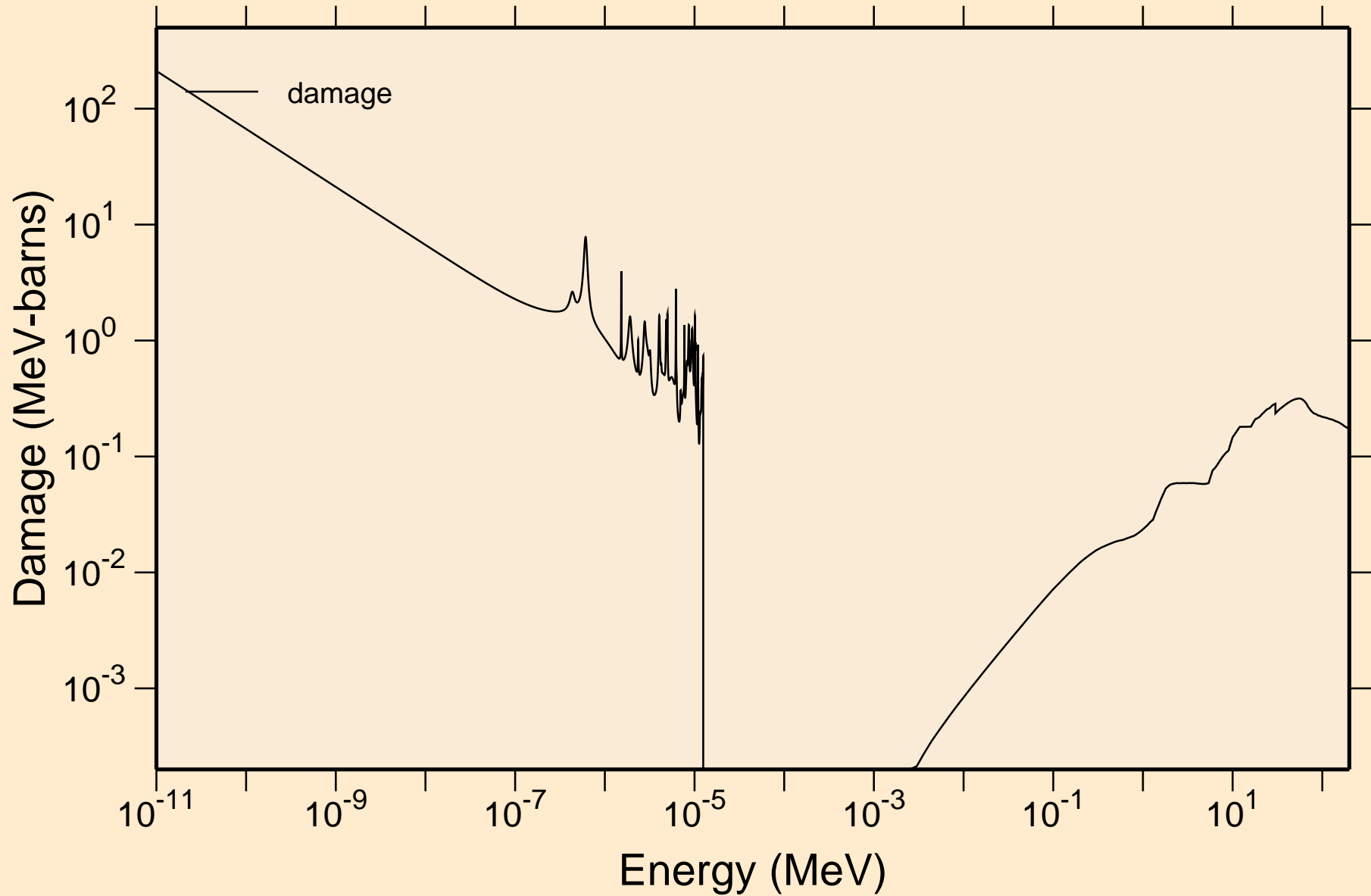


# U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Heating

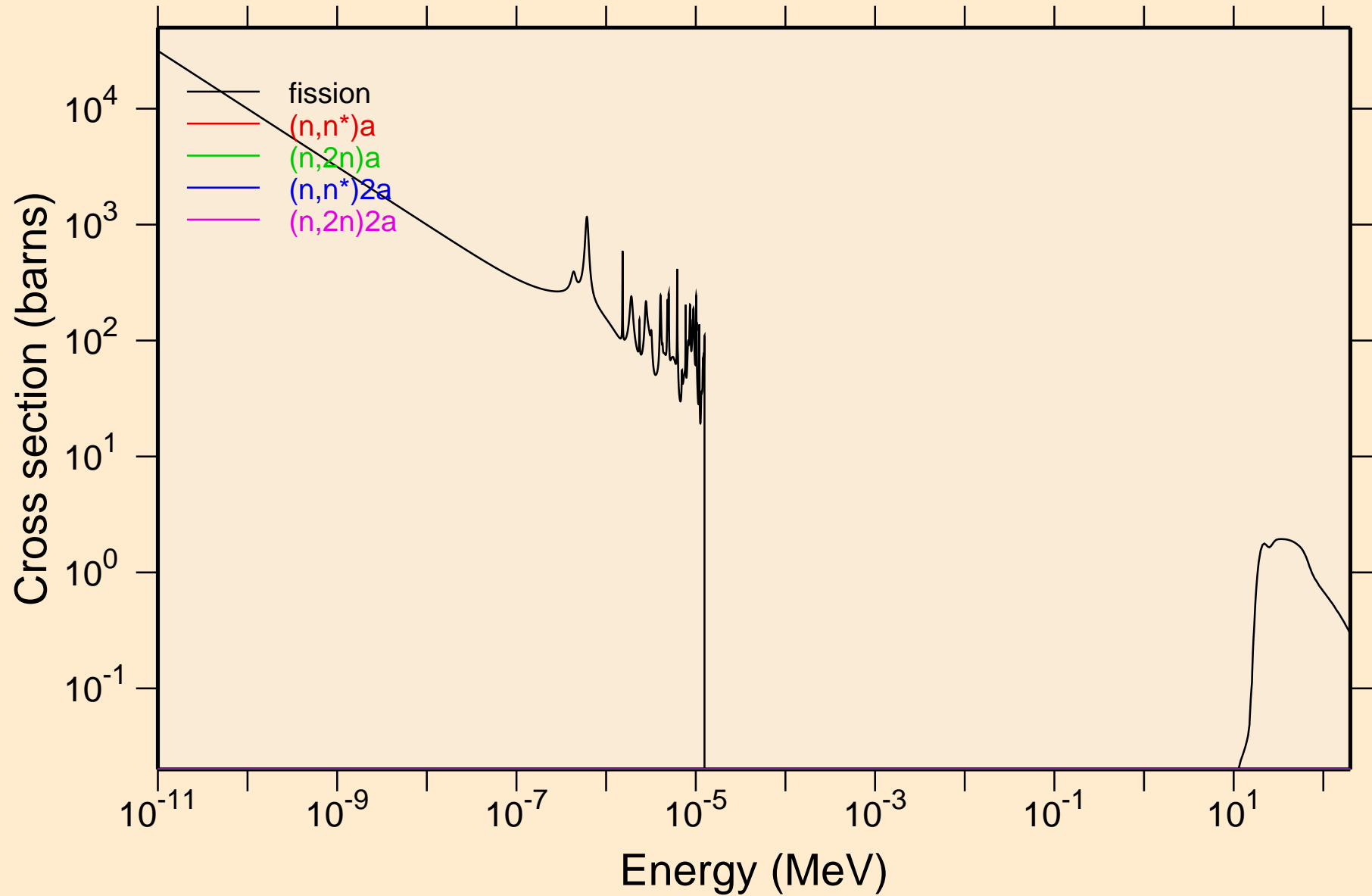


U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Damage

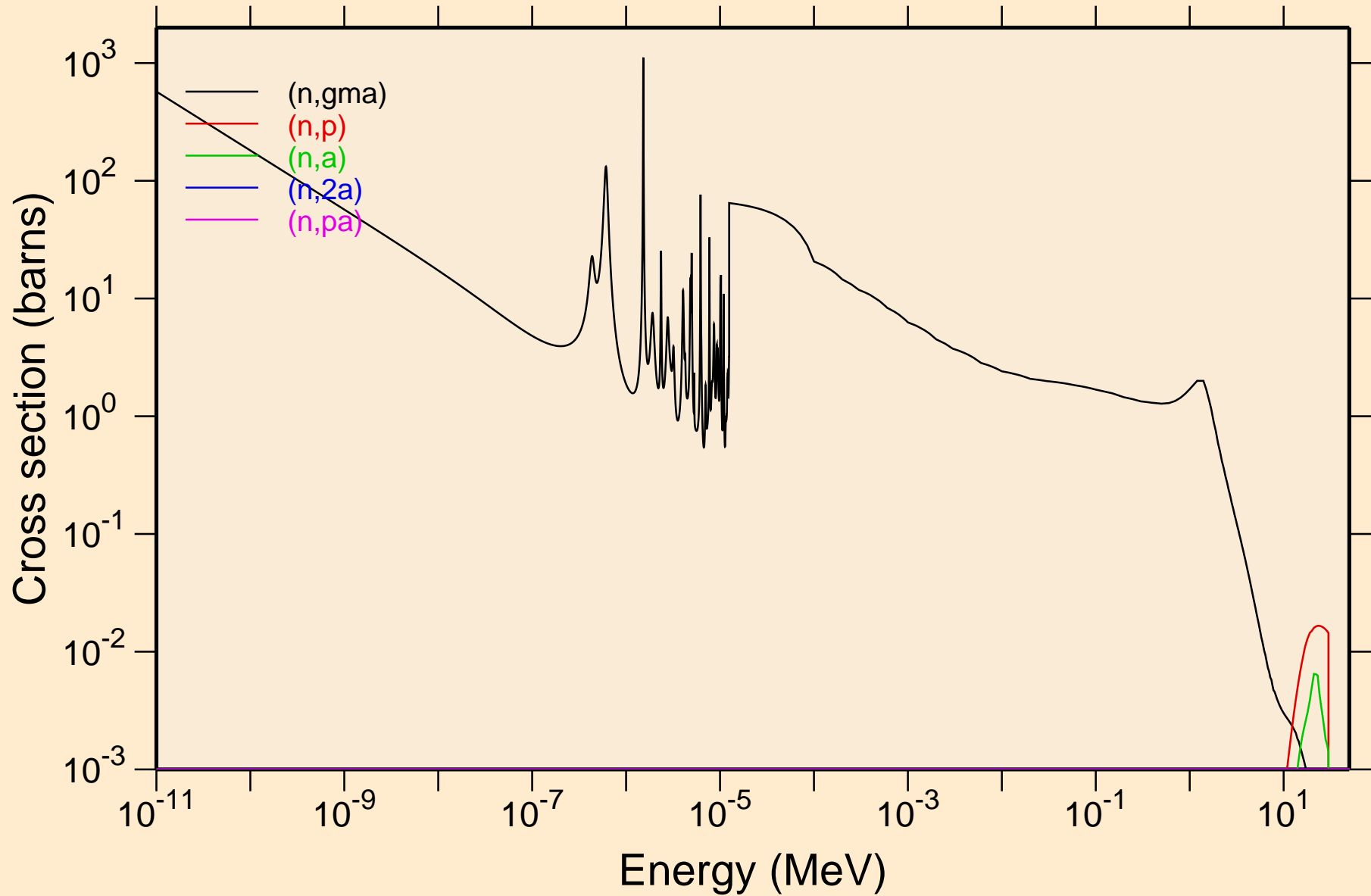


# U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Non-threshold reactions

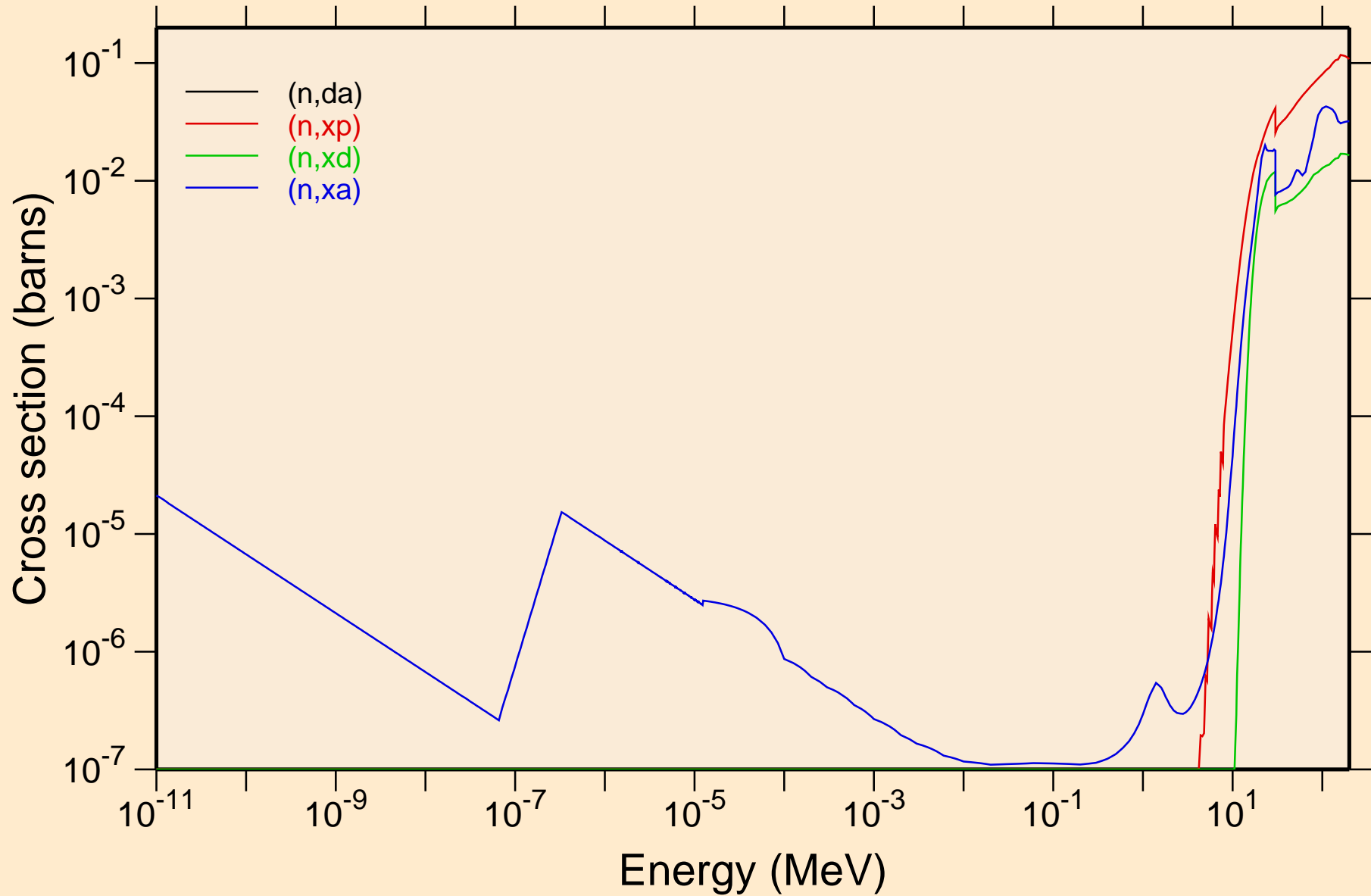


U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



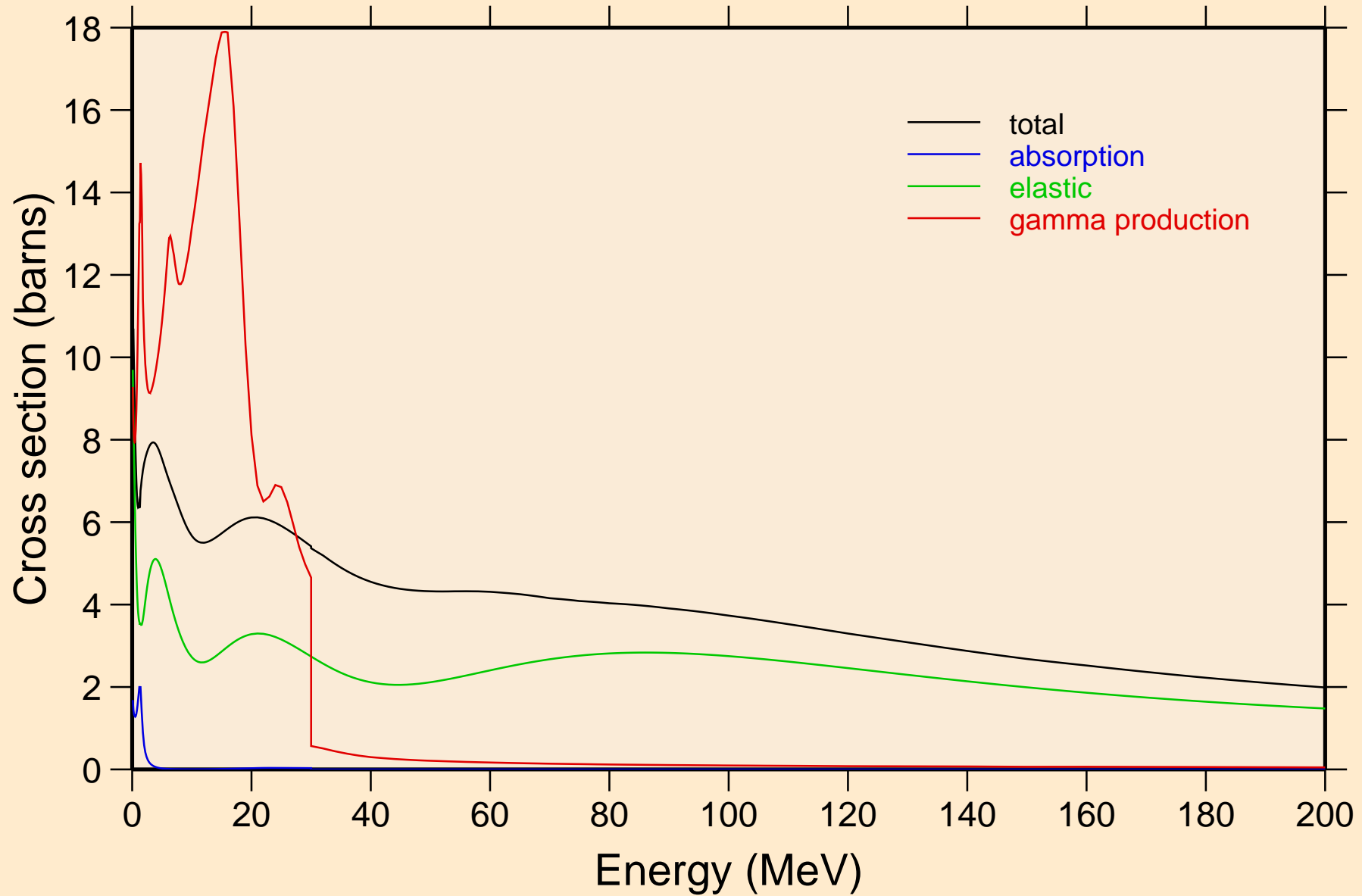
# U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Non-threshold reactions



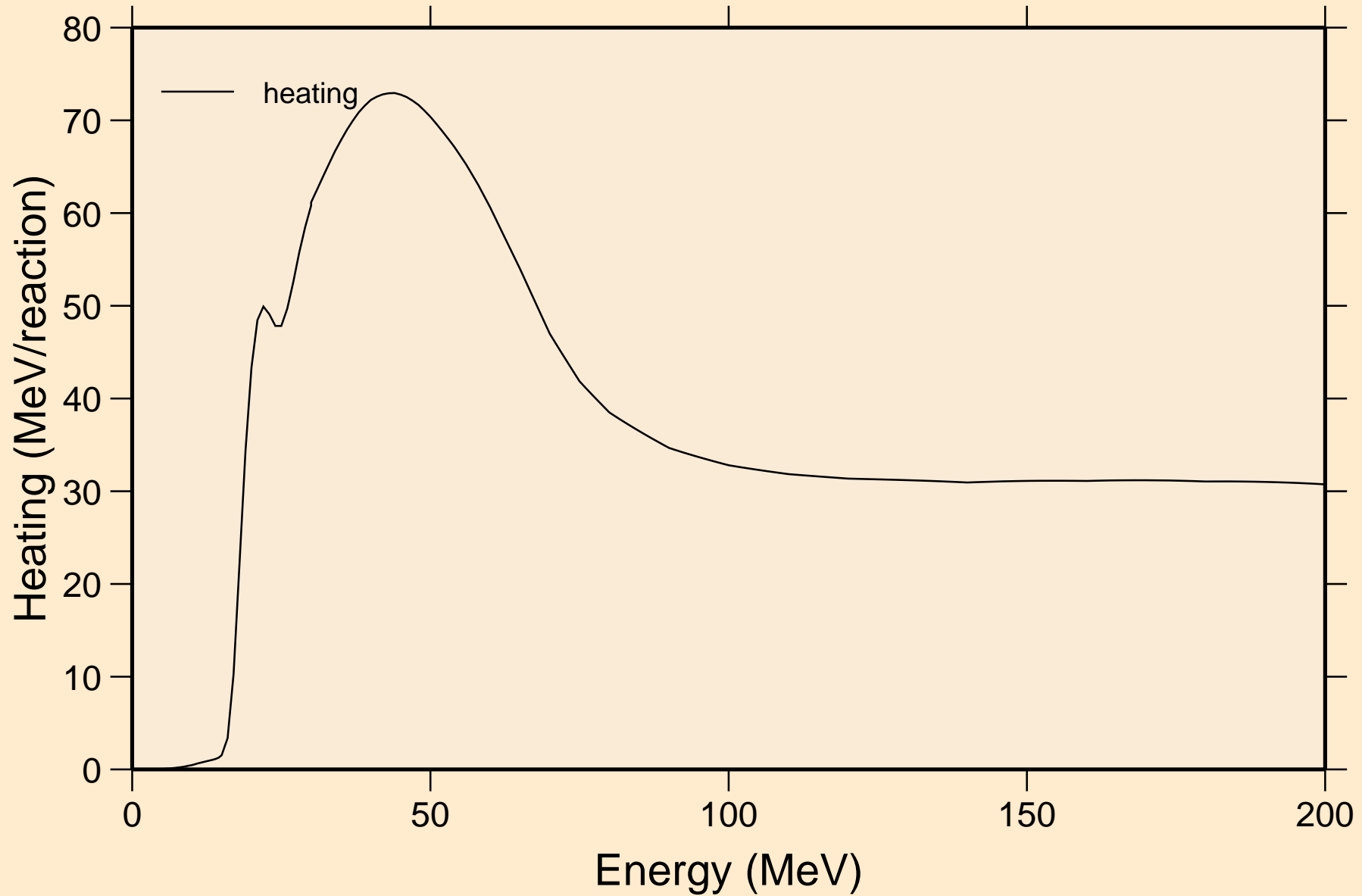
# U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections



# U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

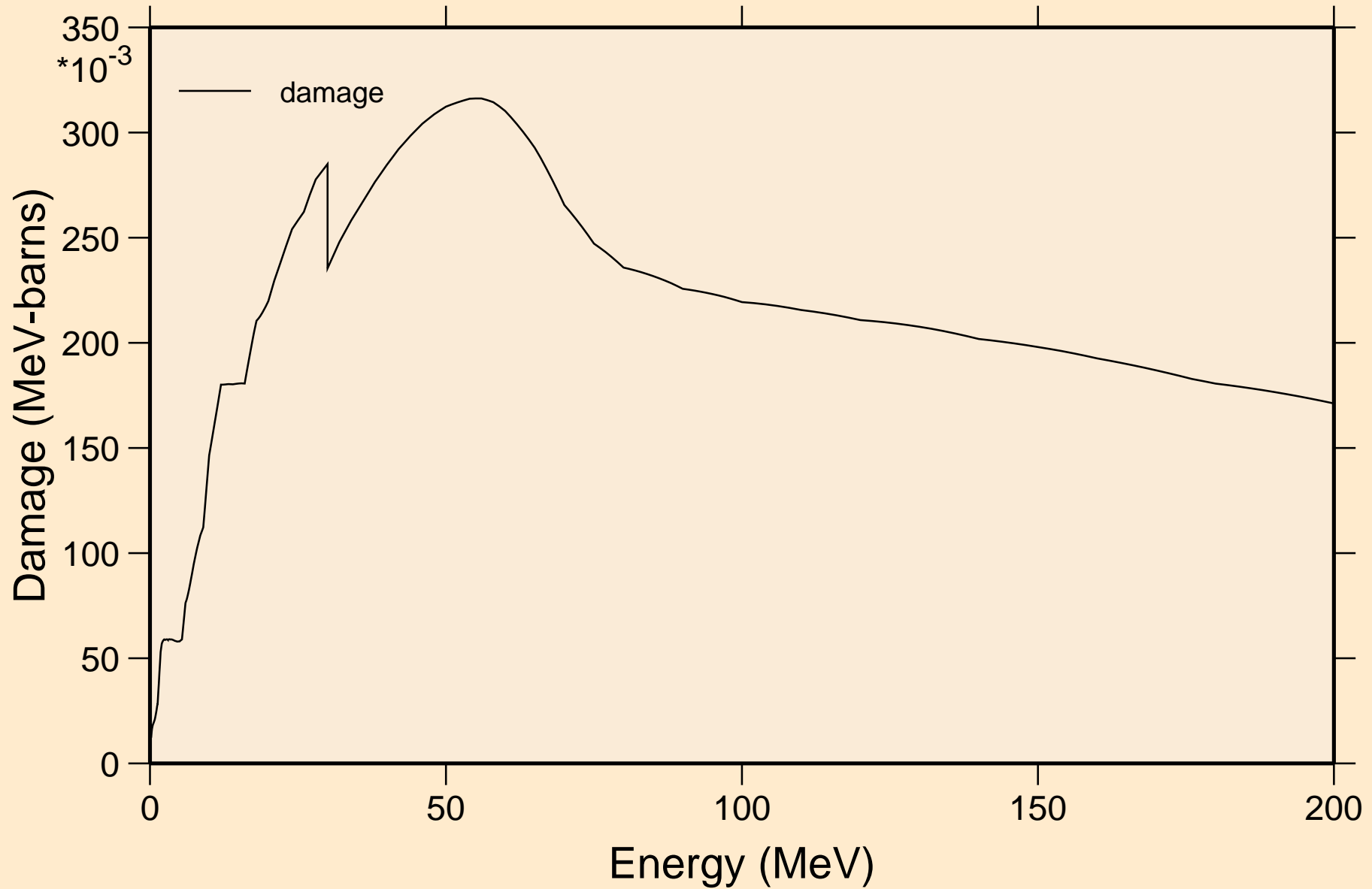
## Heating





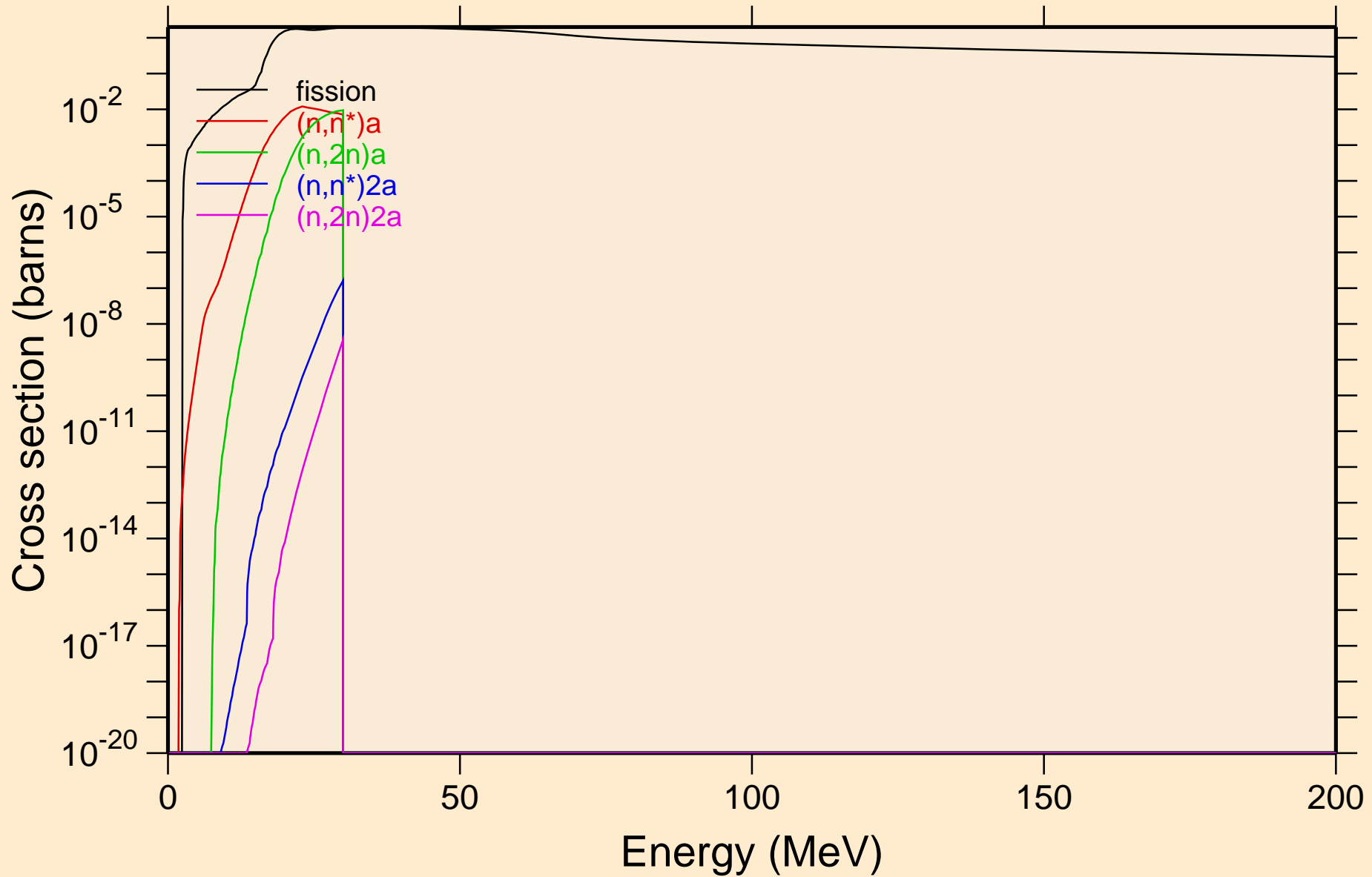
# U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Damage



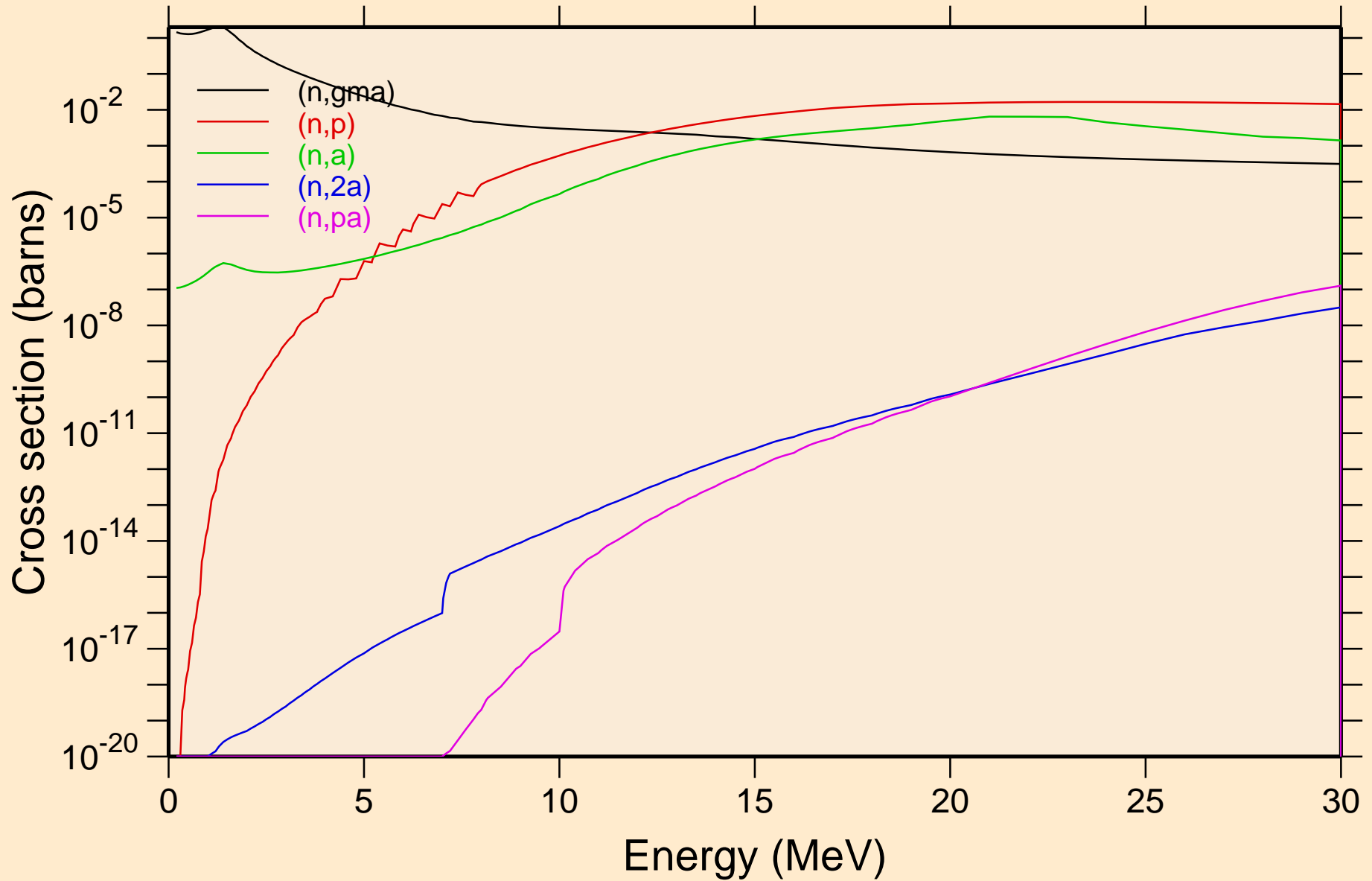
# U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Non-threshold reactions



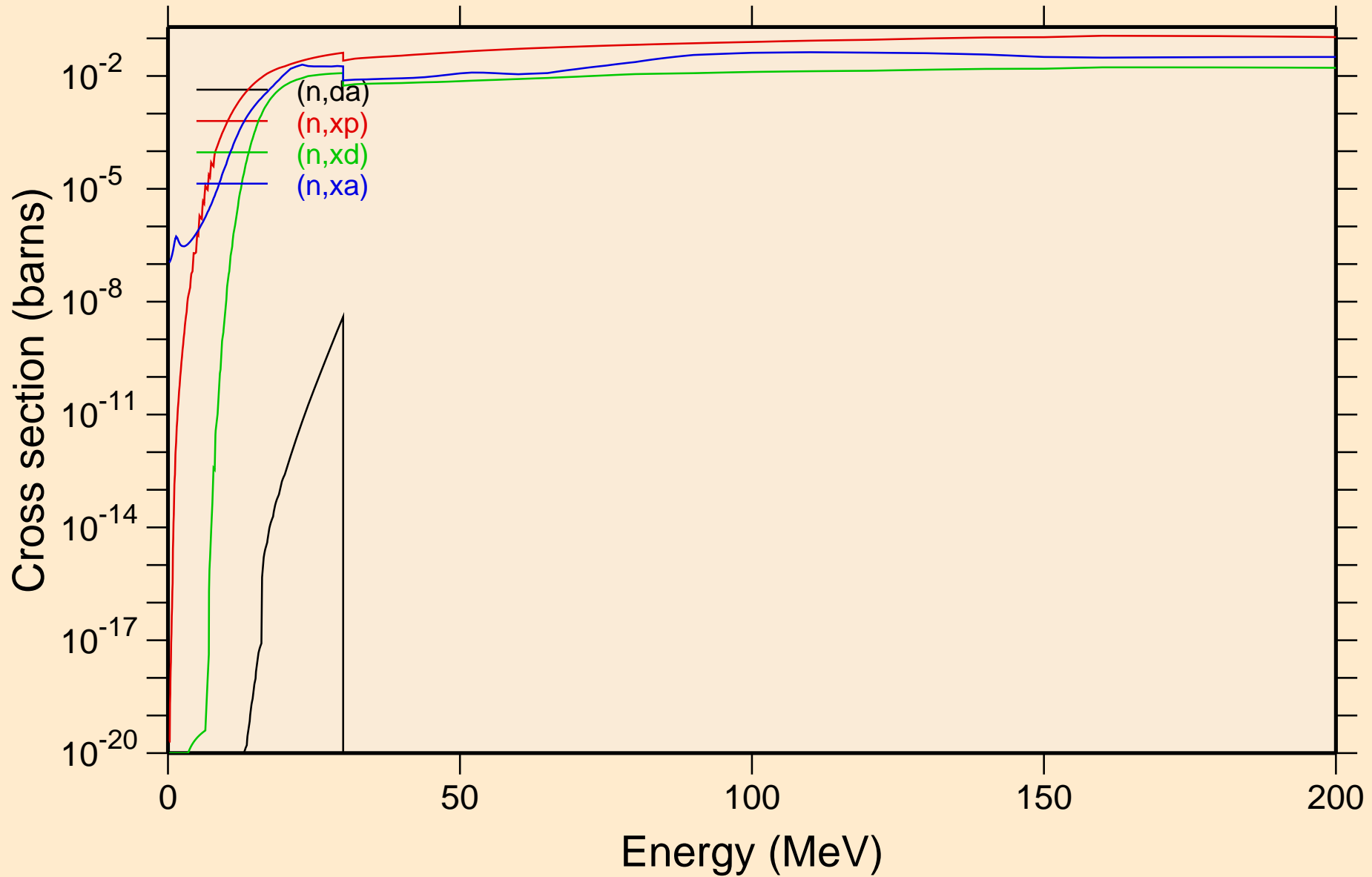
# U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Non-threshold reactions



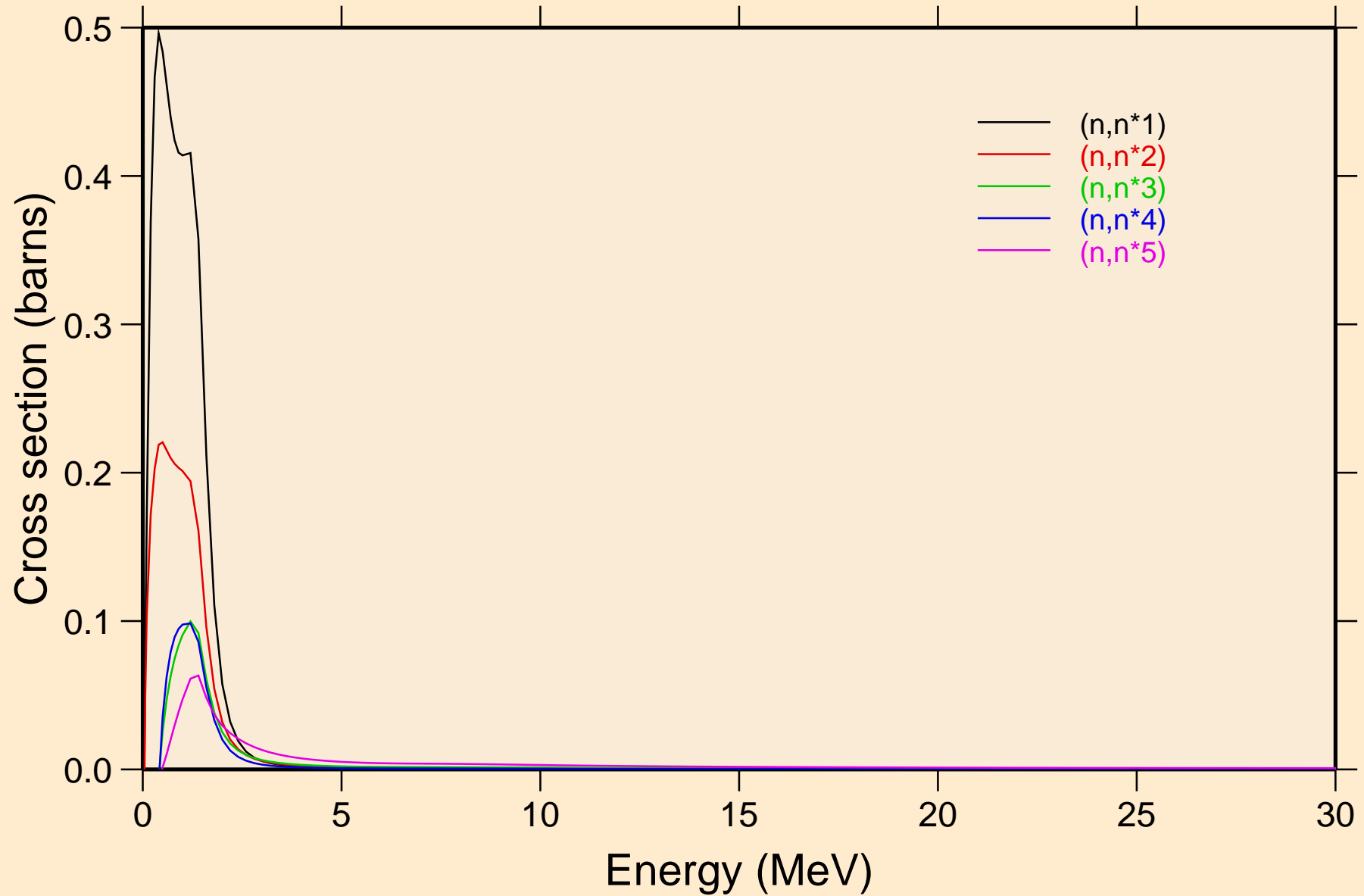
# U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Non-threshold reactions



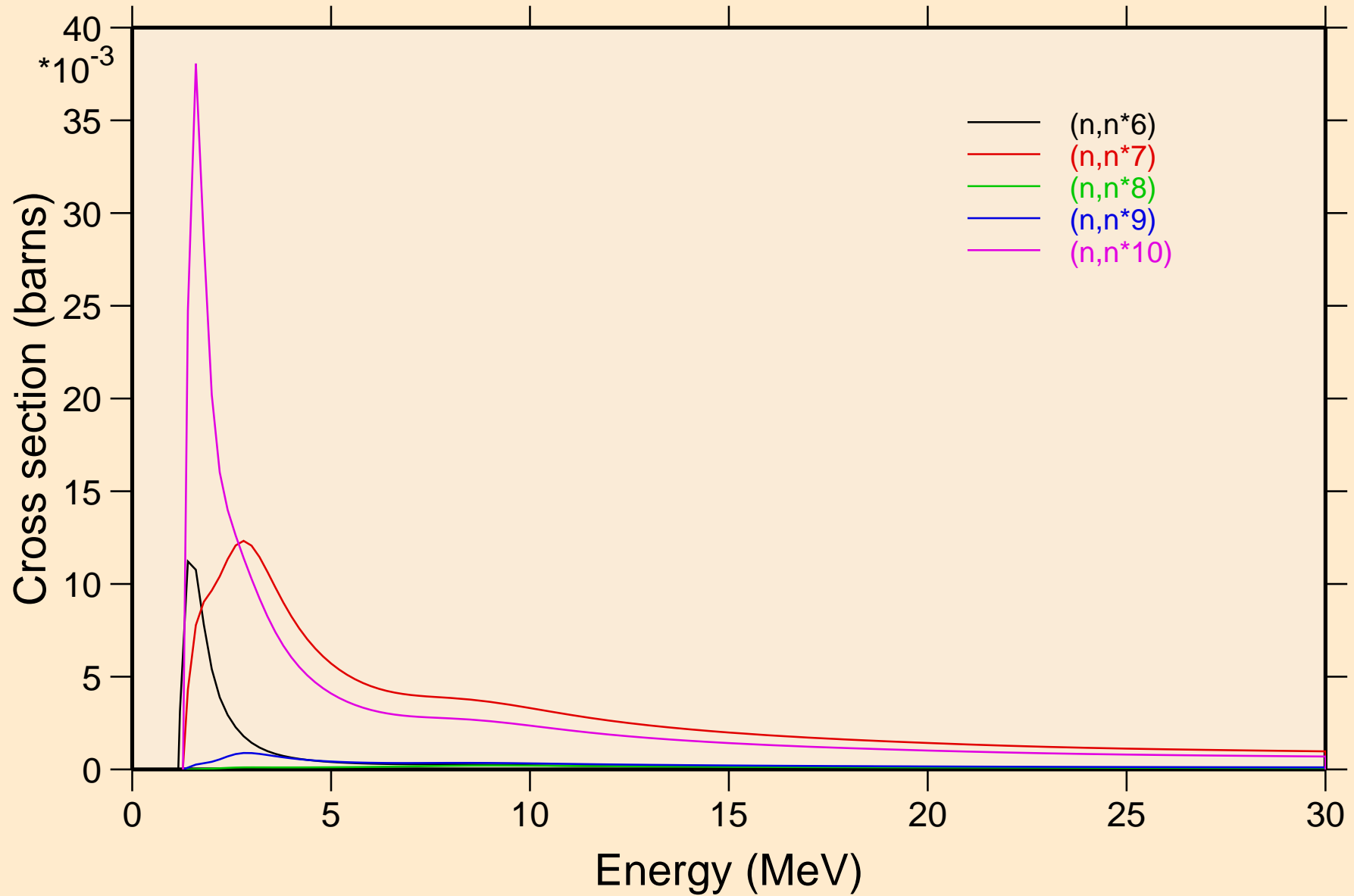
# U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Inelastic levels



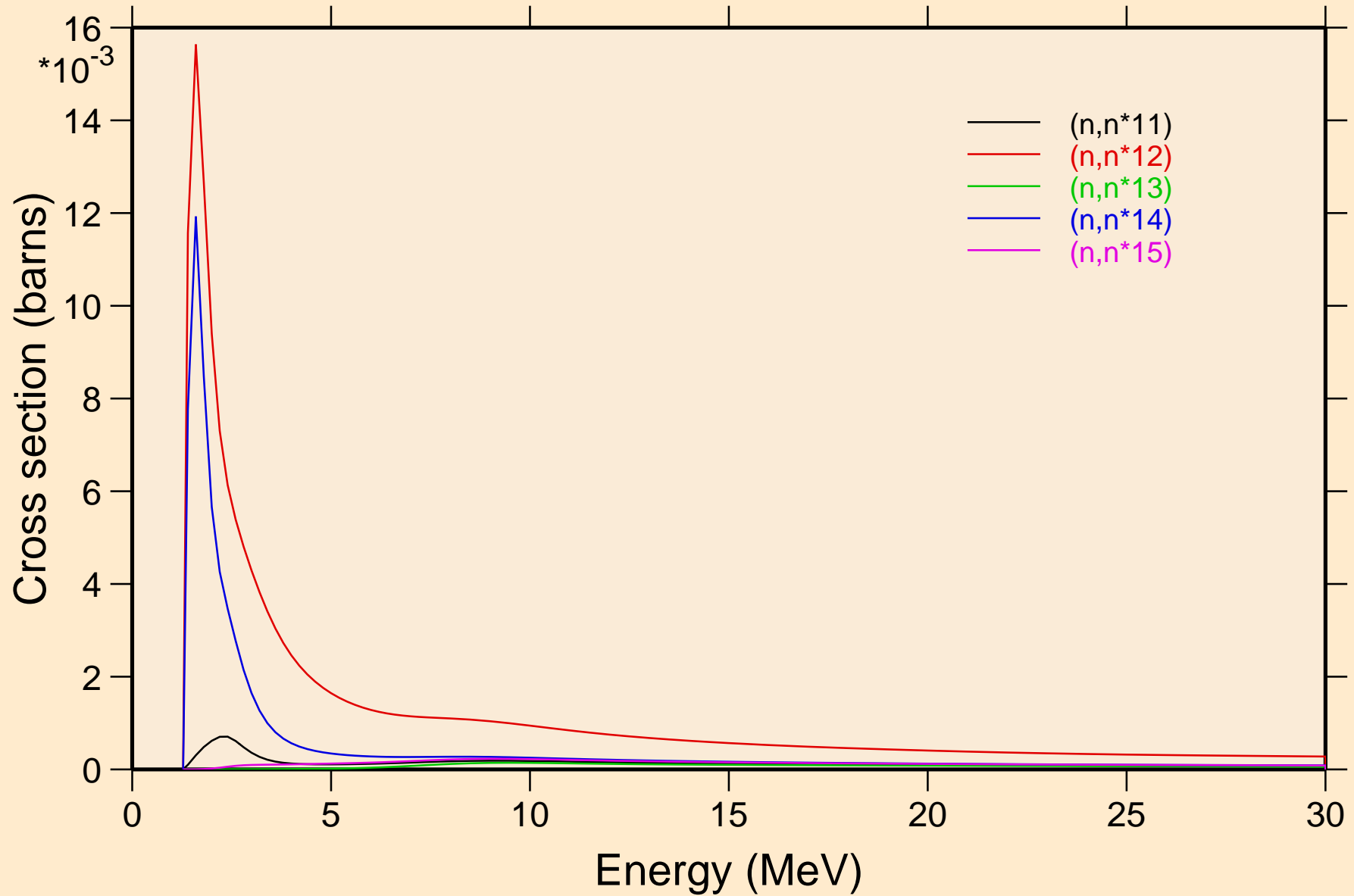
# U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Inelastic levels

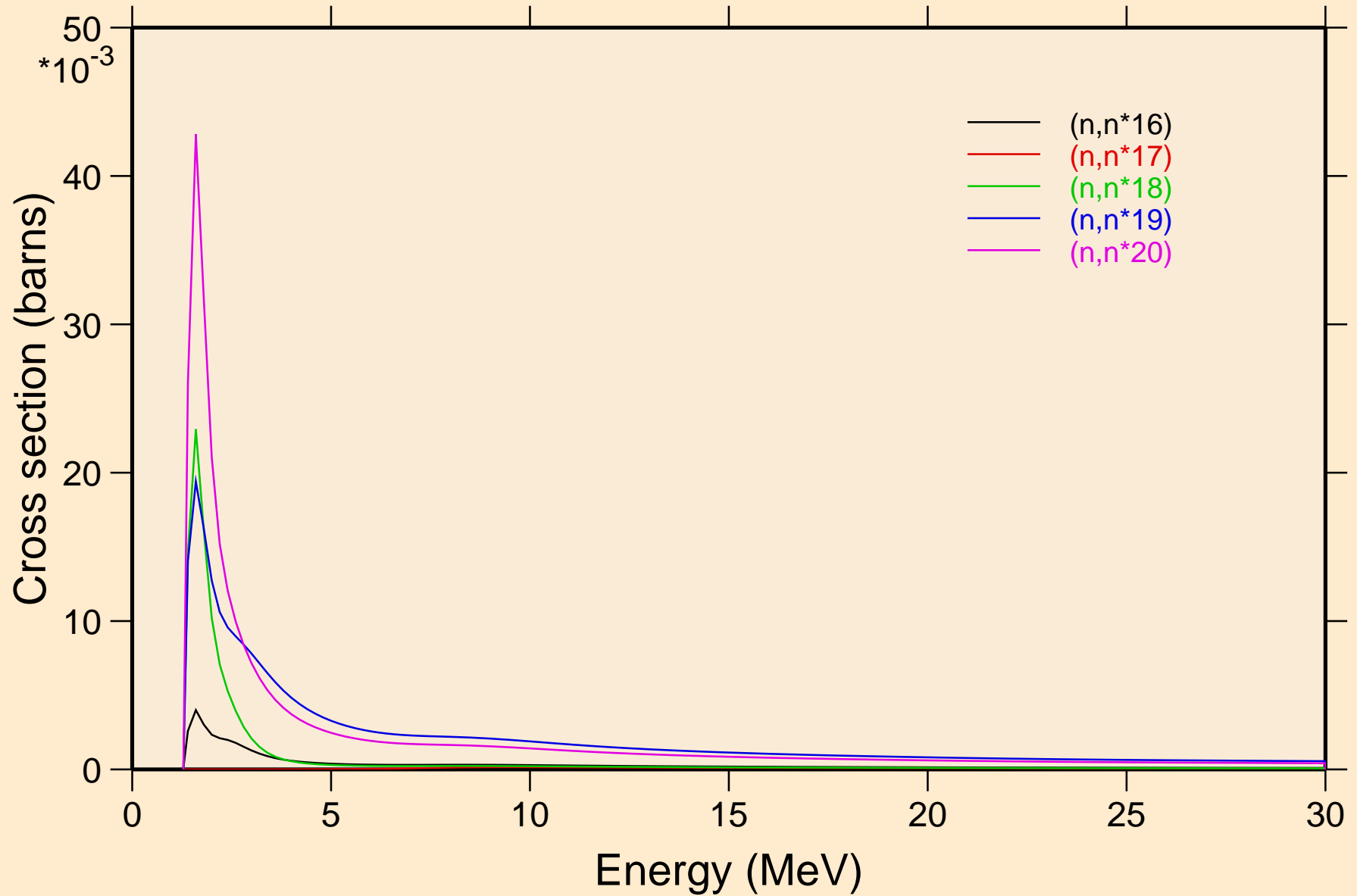


# U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Inelastic levels



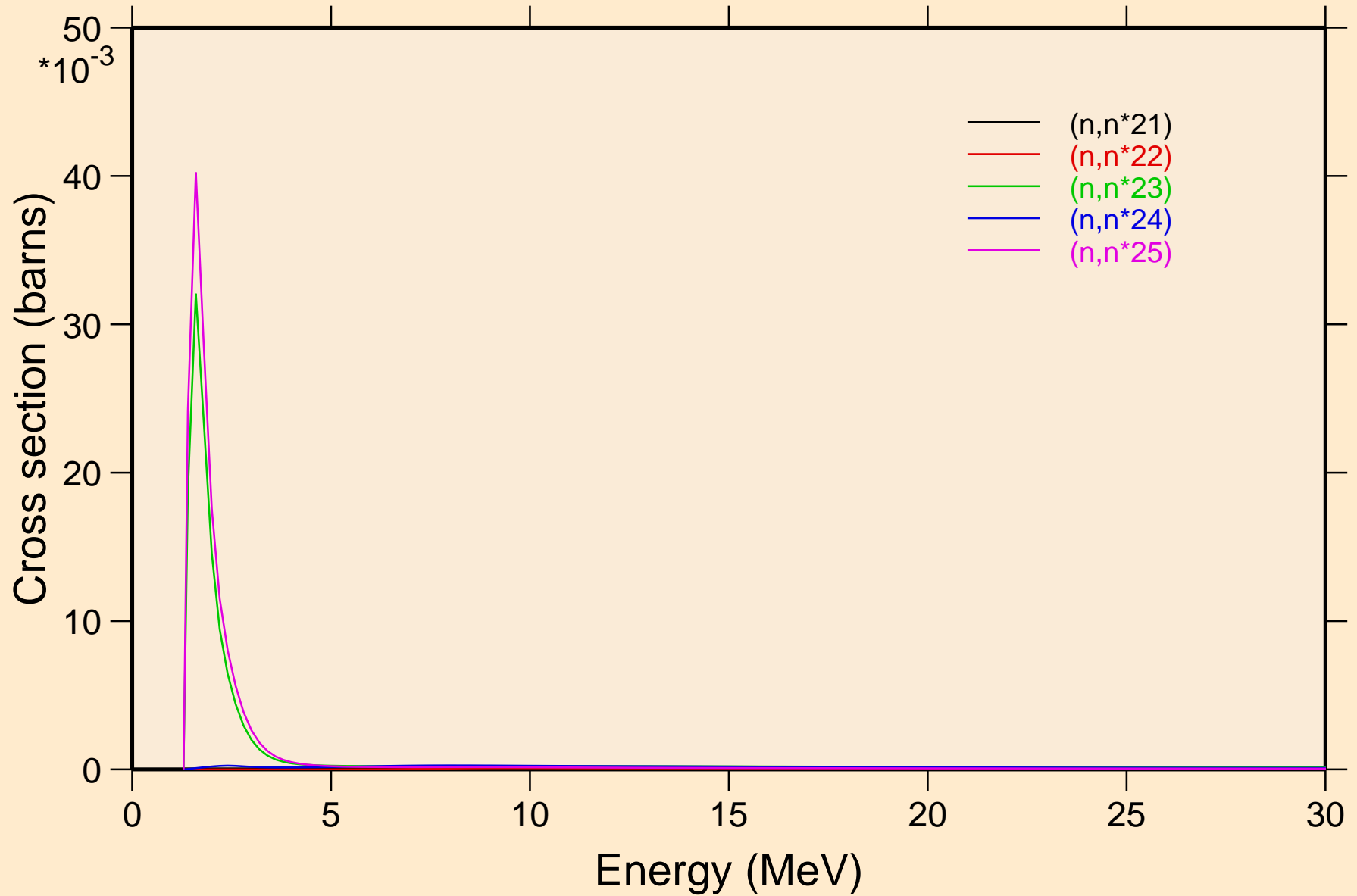
U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



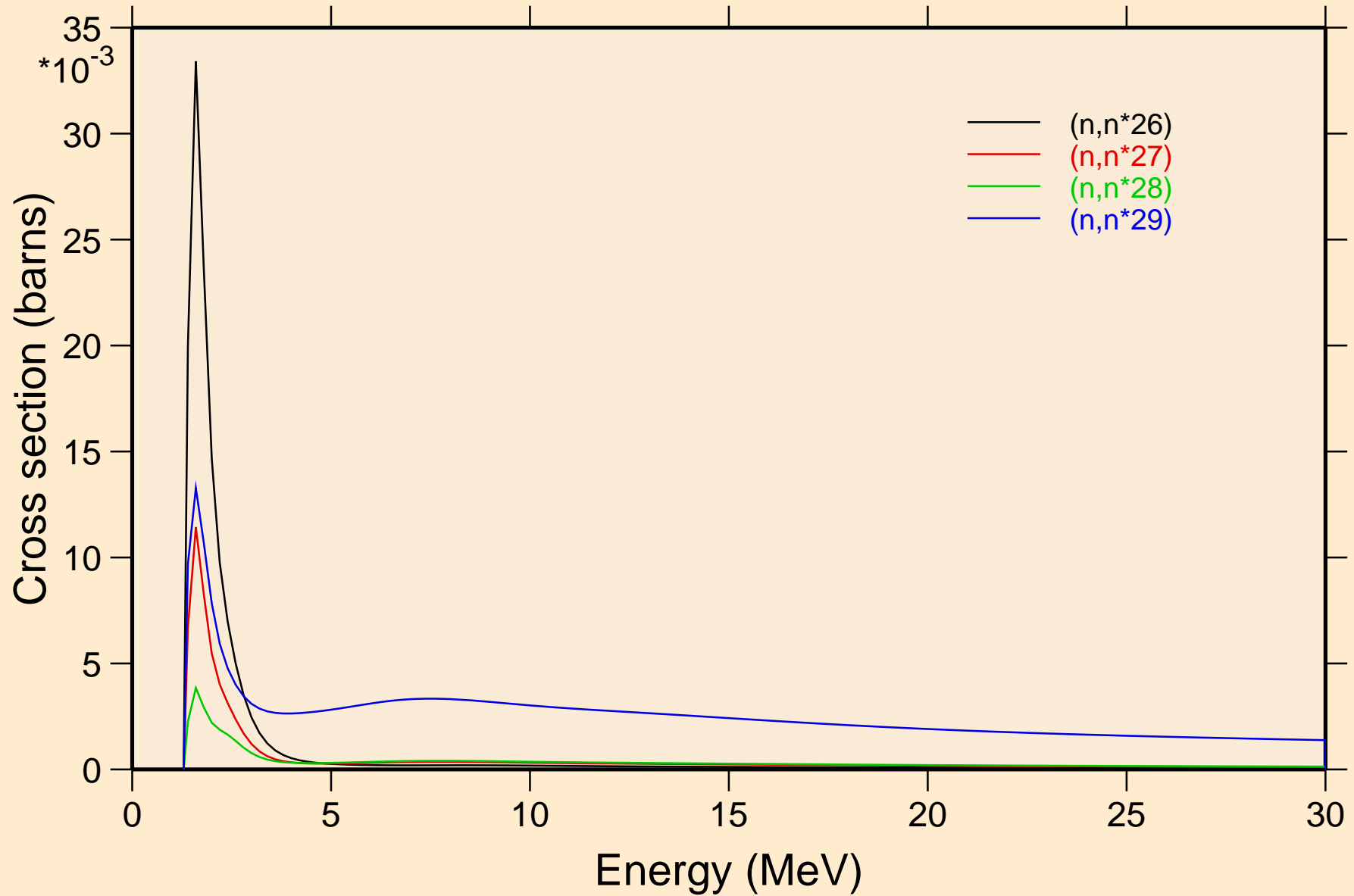


# U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Inelastic levels

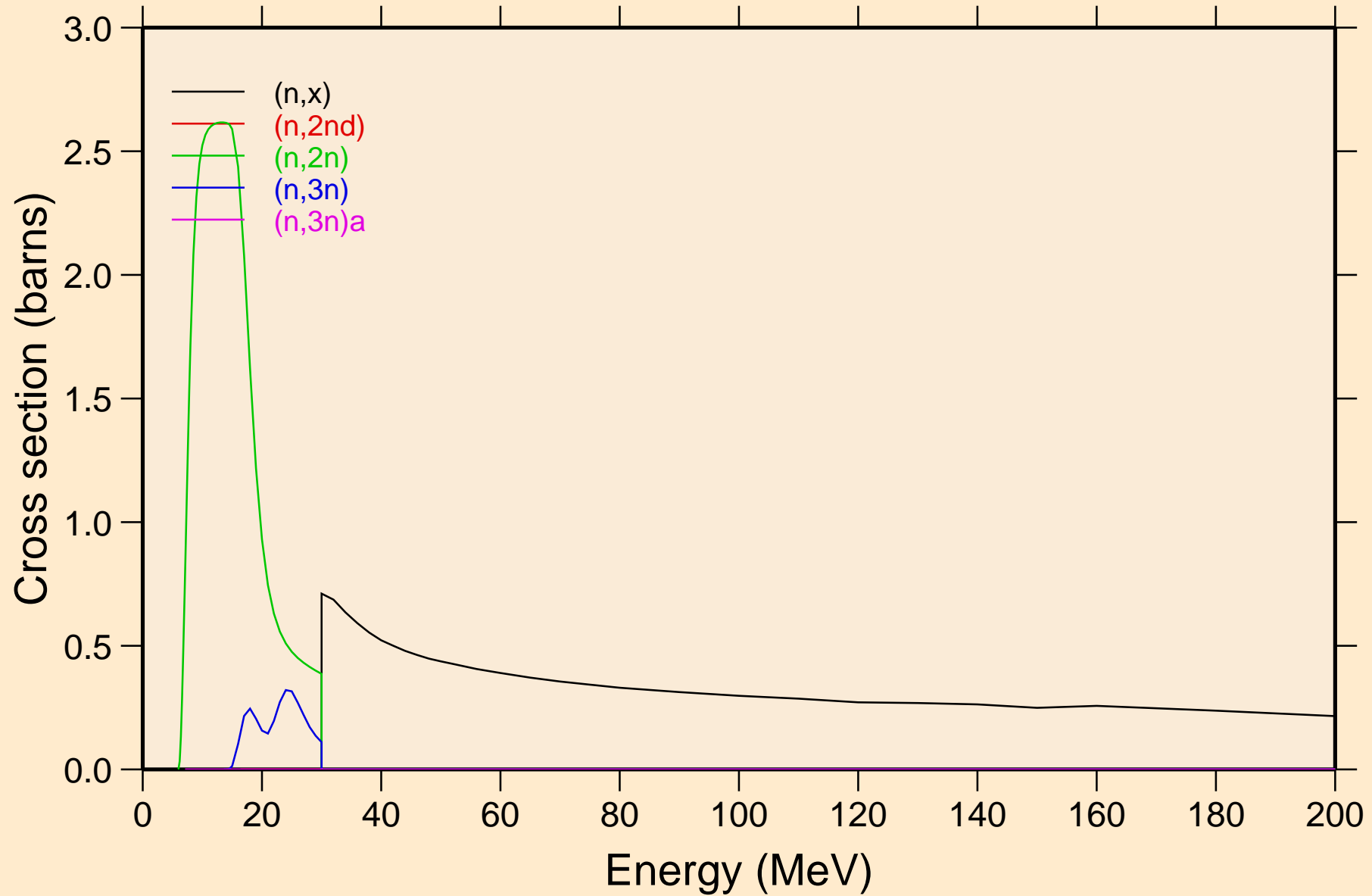


U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



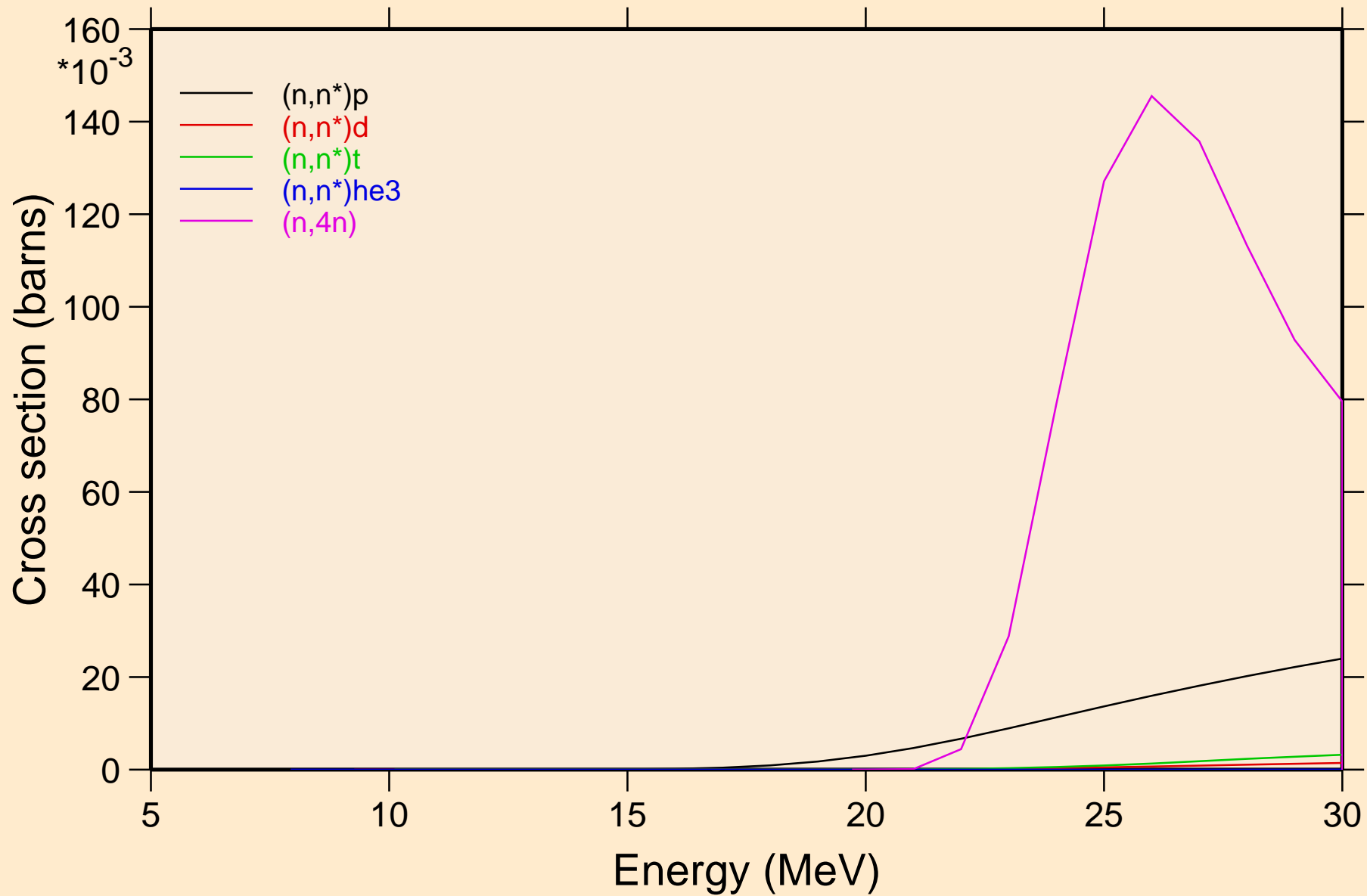
# U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions

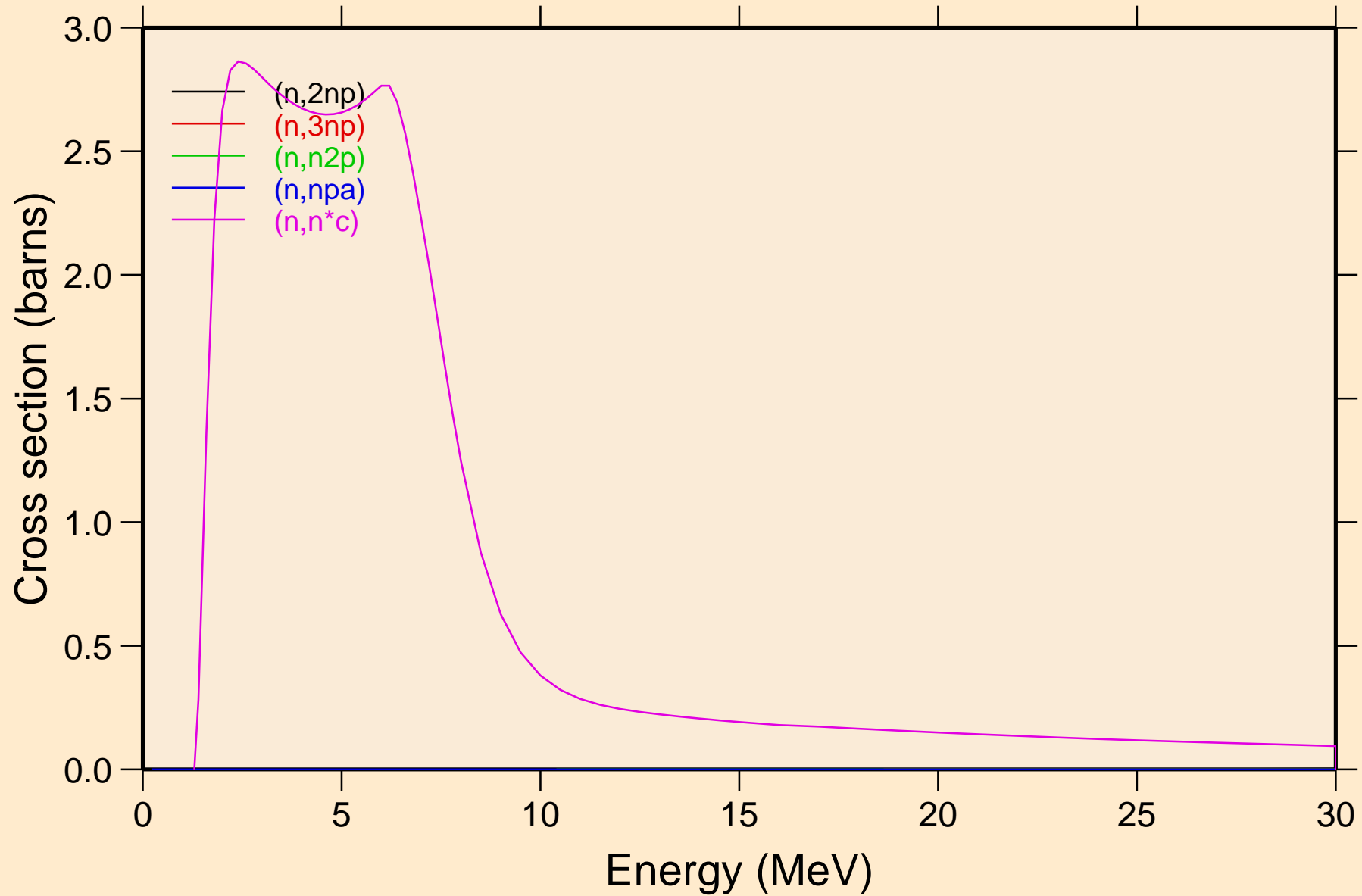


# U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

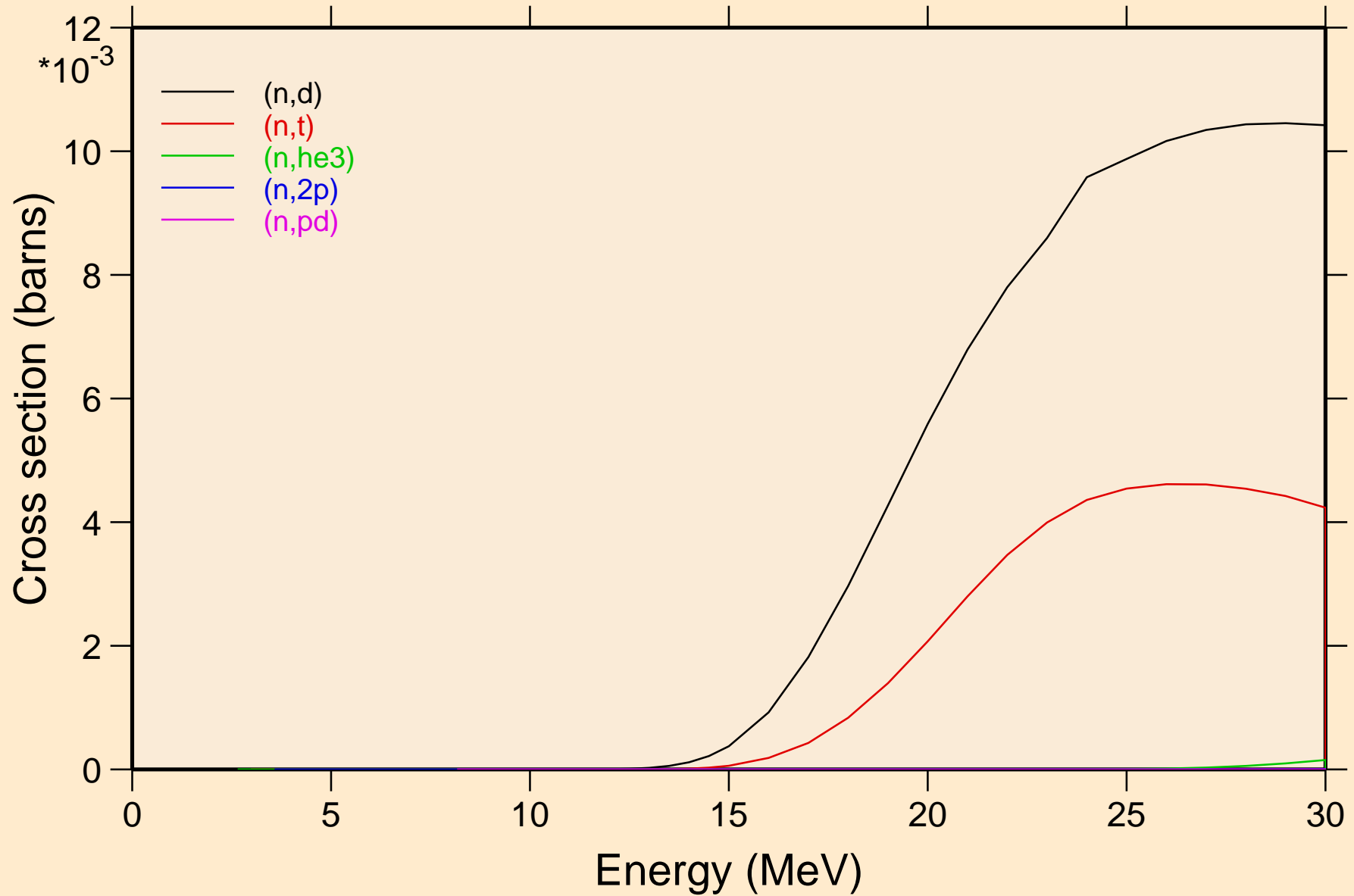
## Threshold reactions



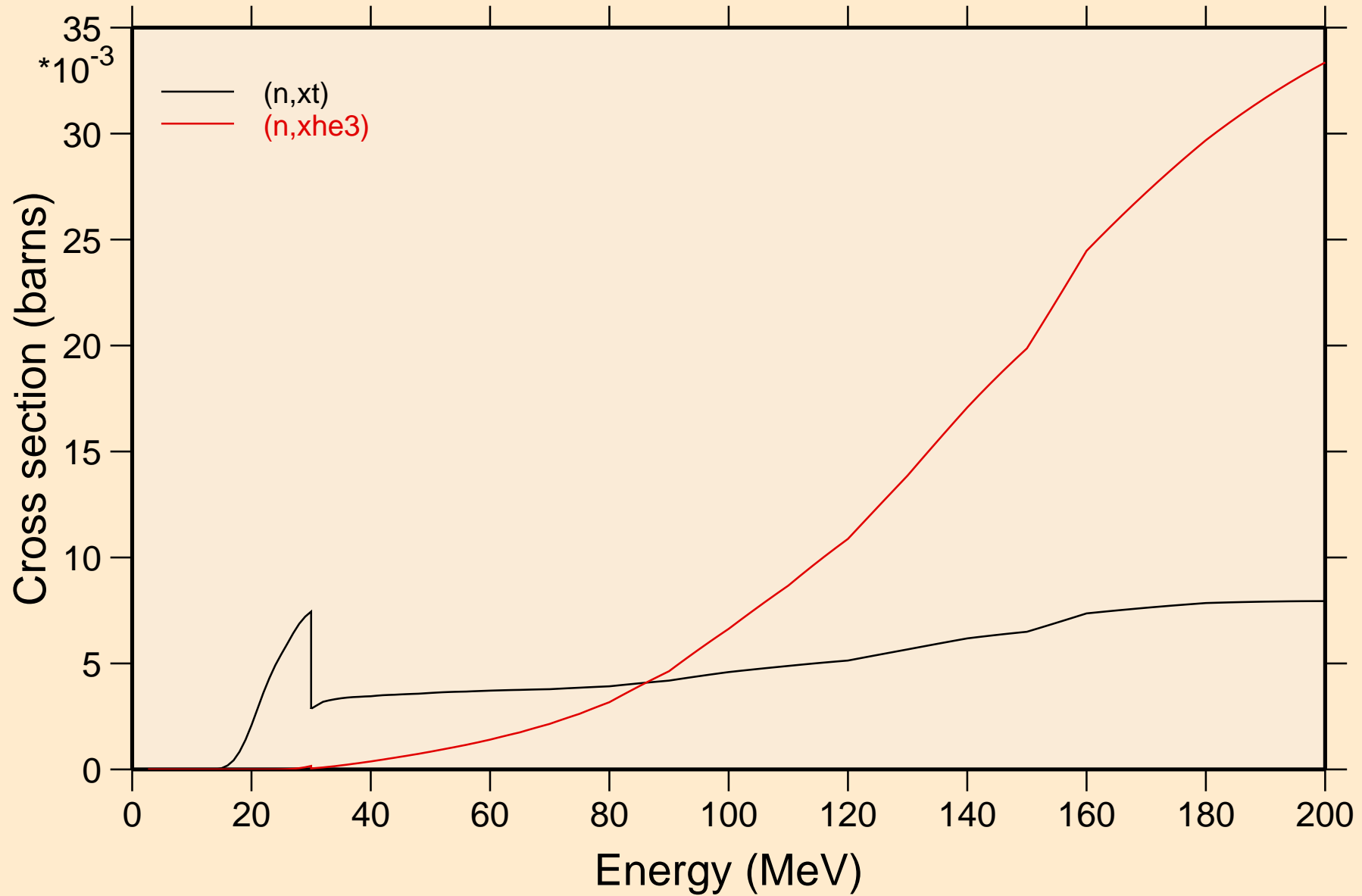
U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



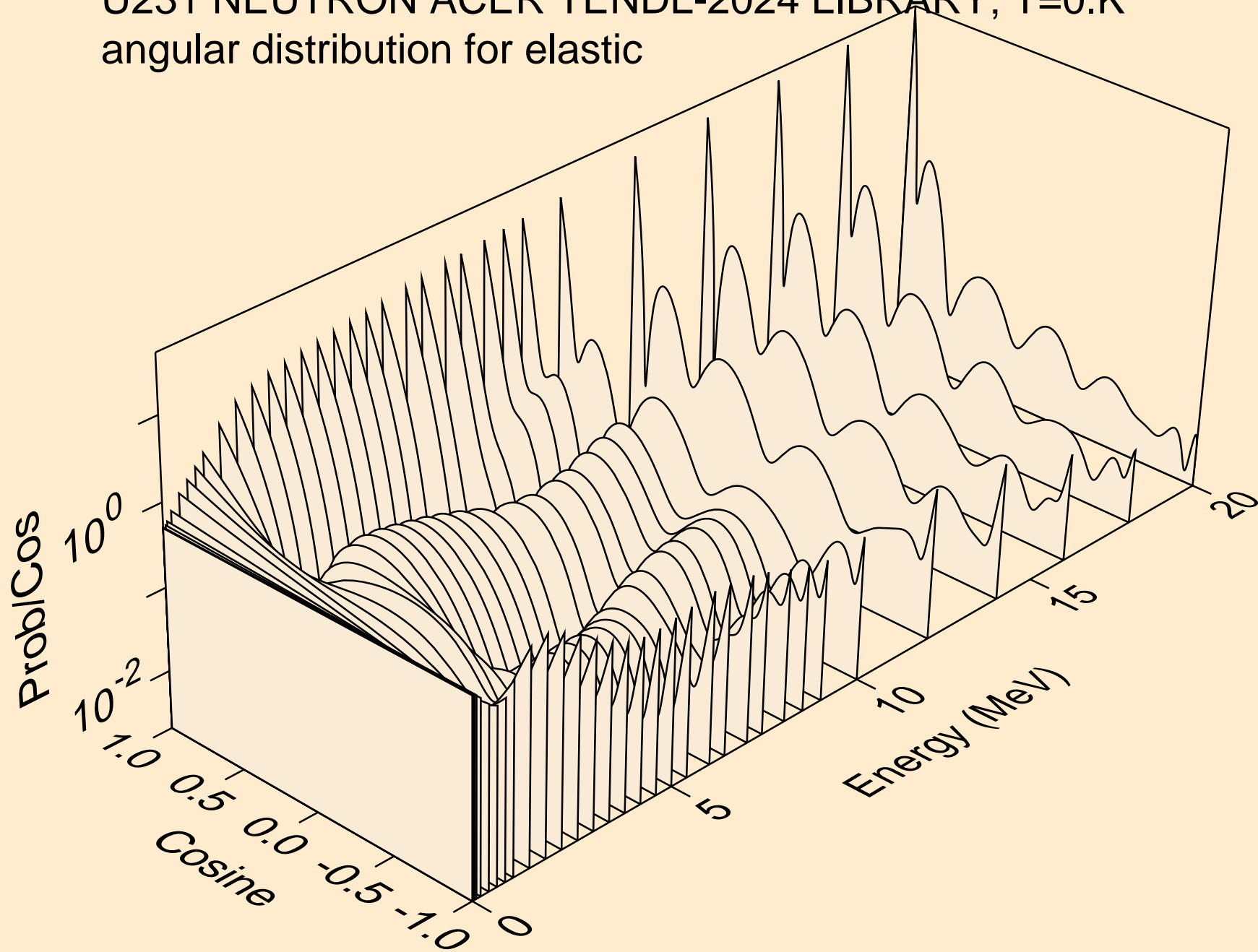
U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions

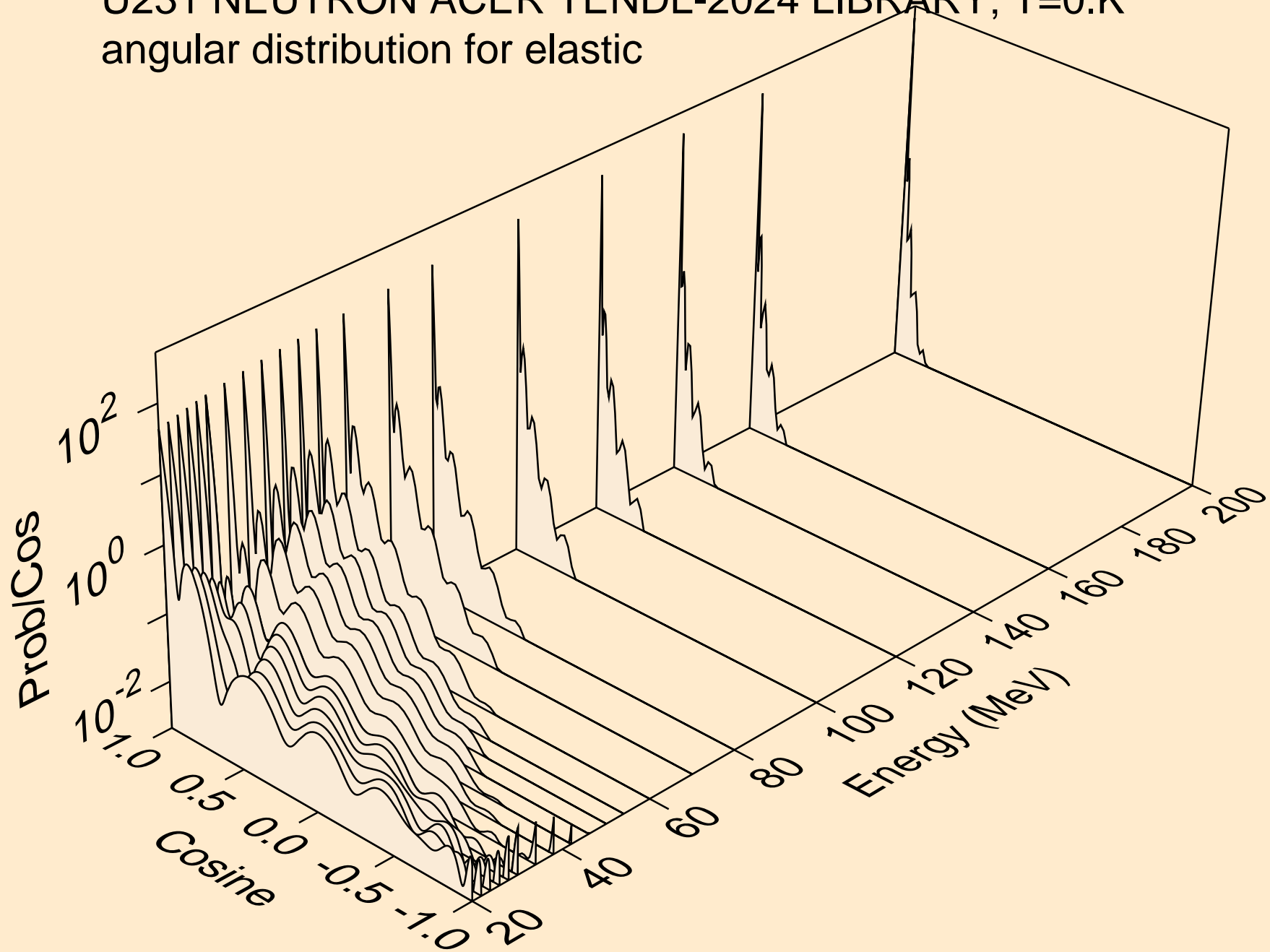


U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic

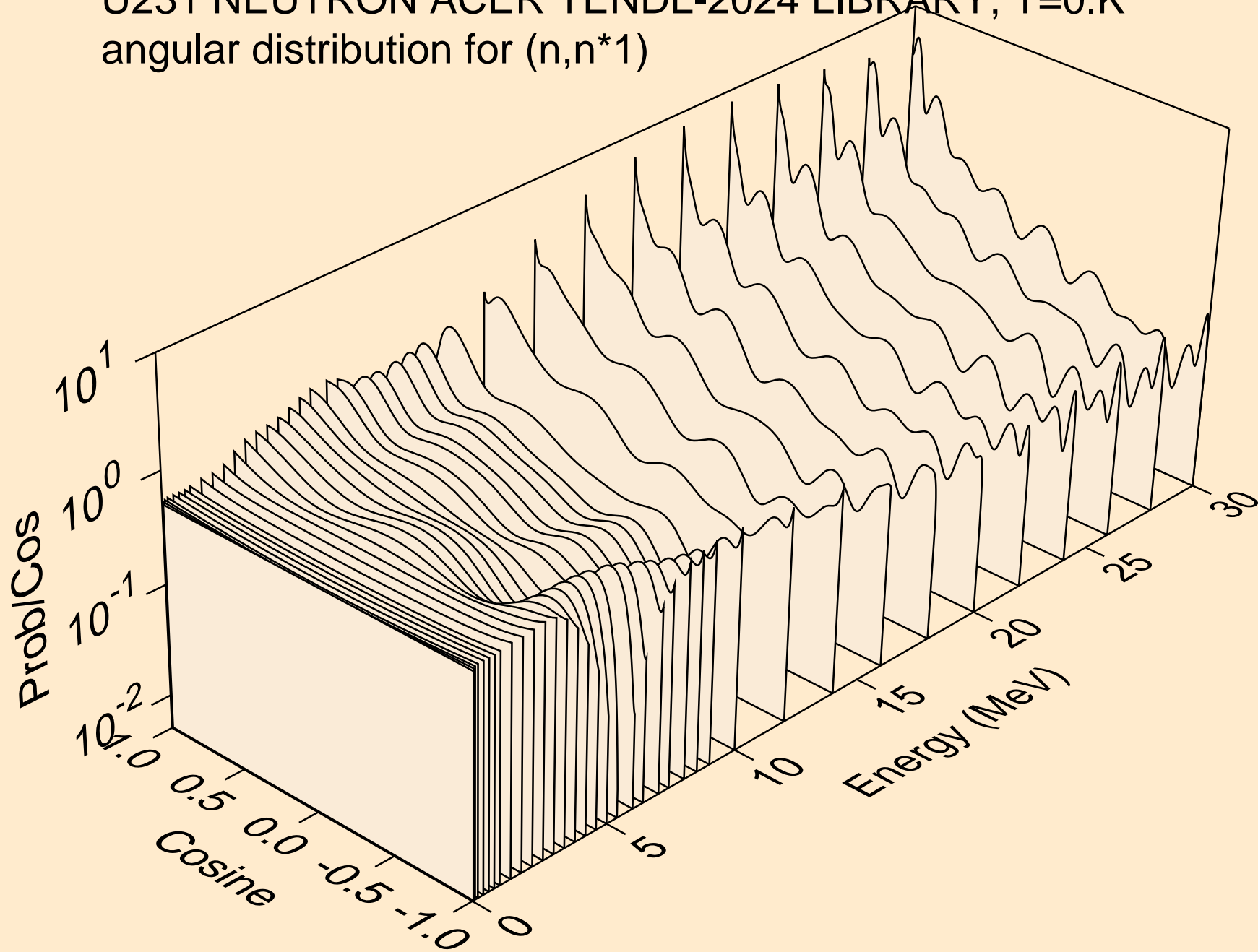




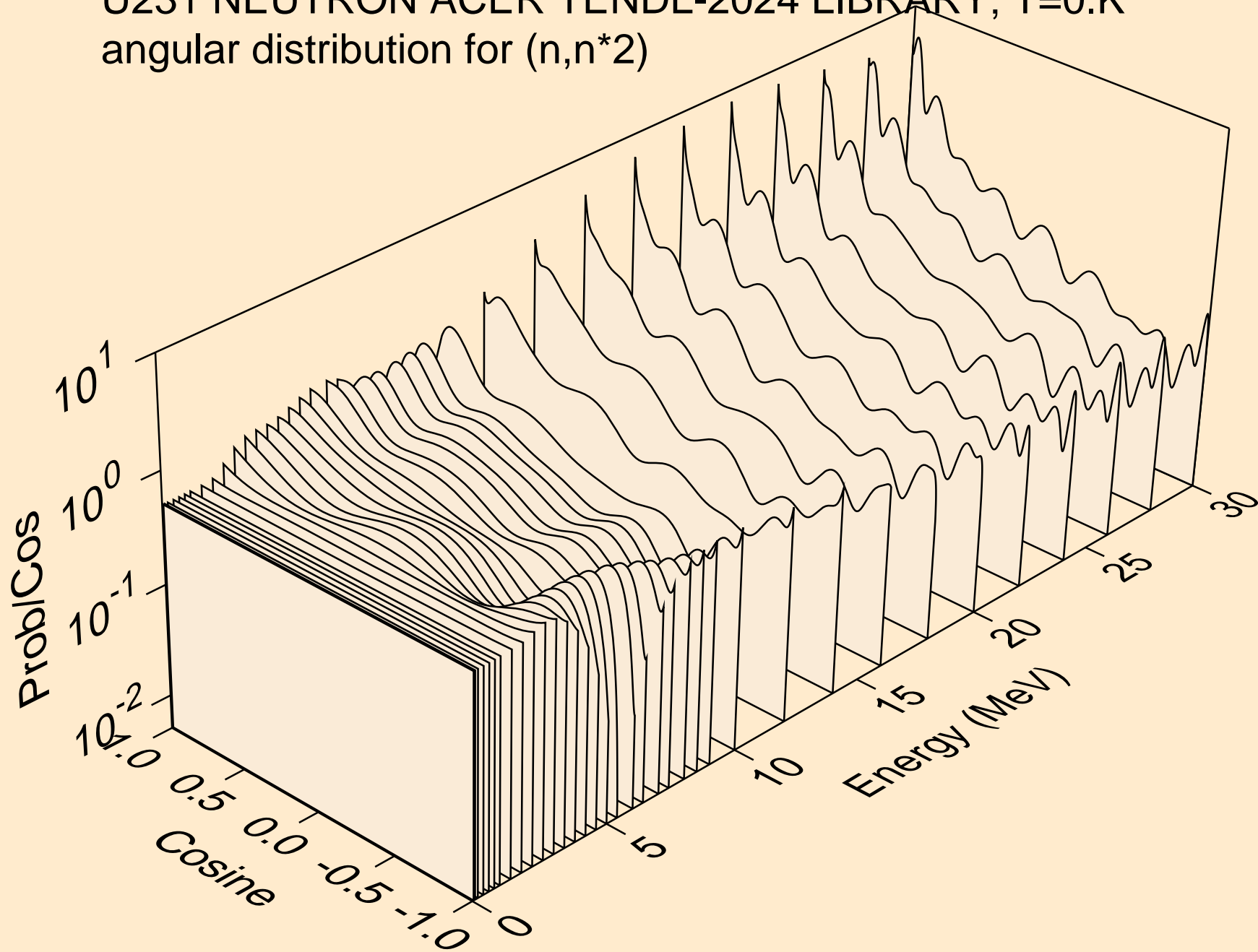
U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



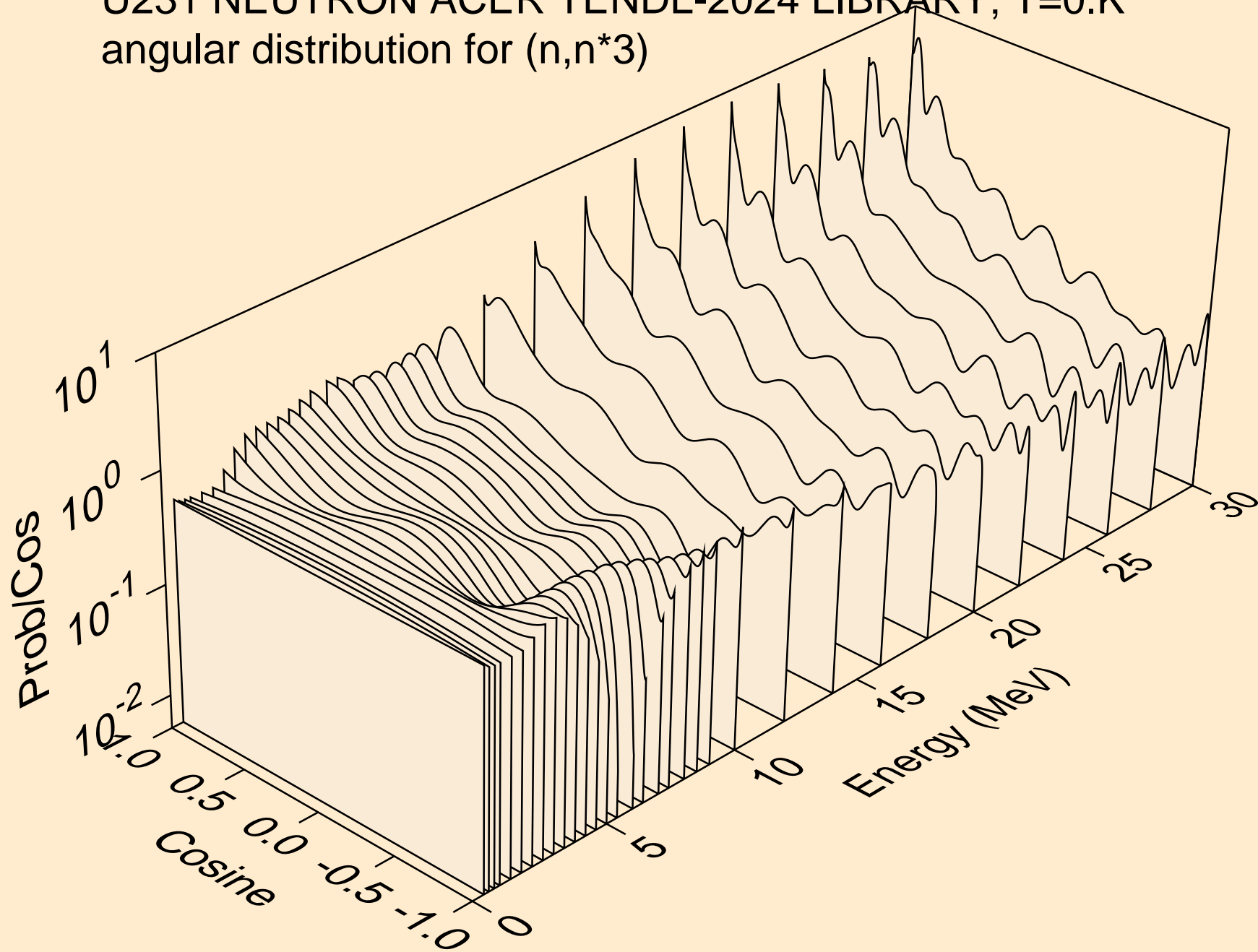
U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



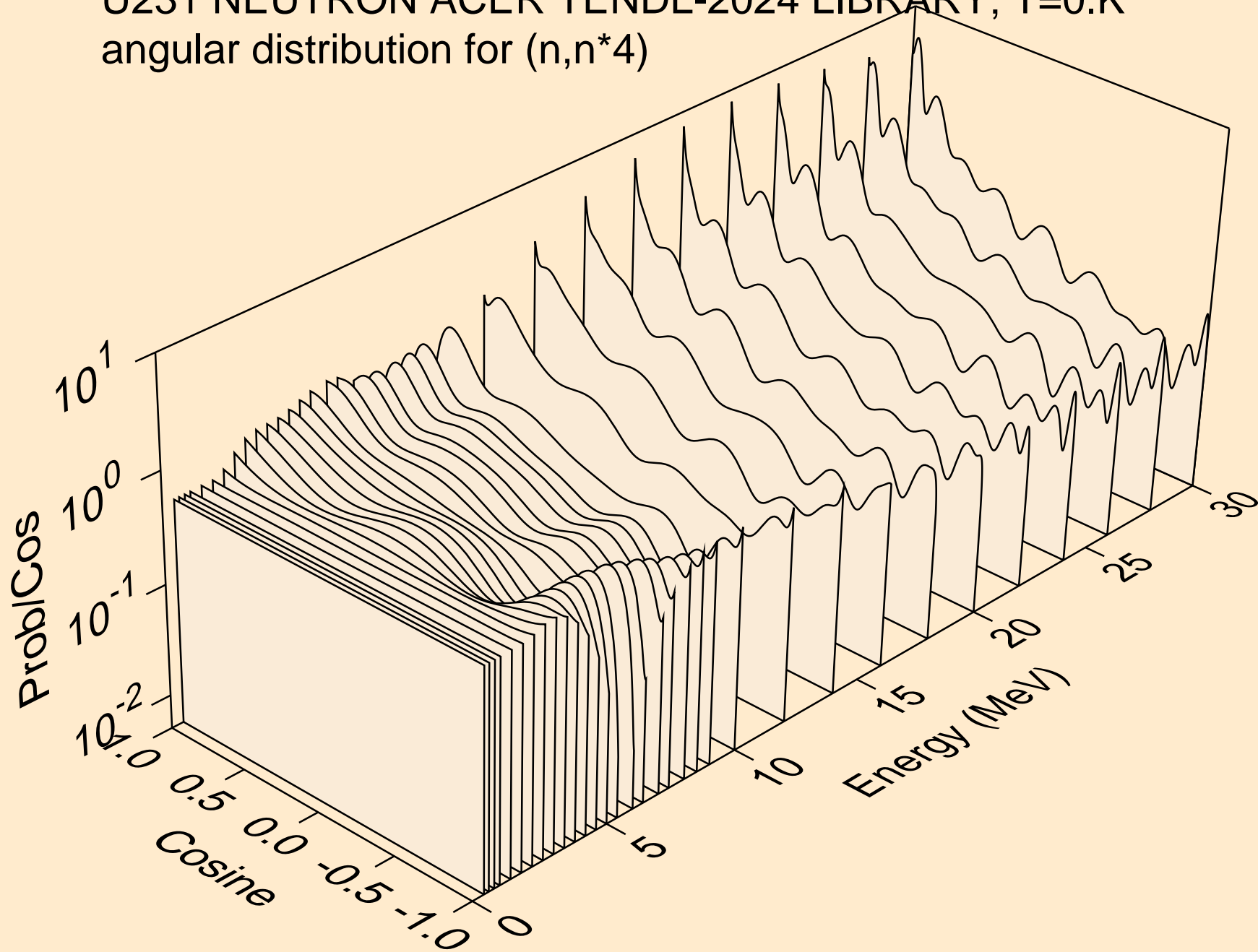
U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*2)



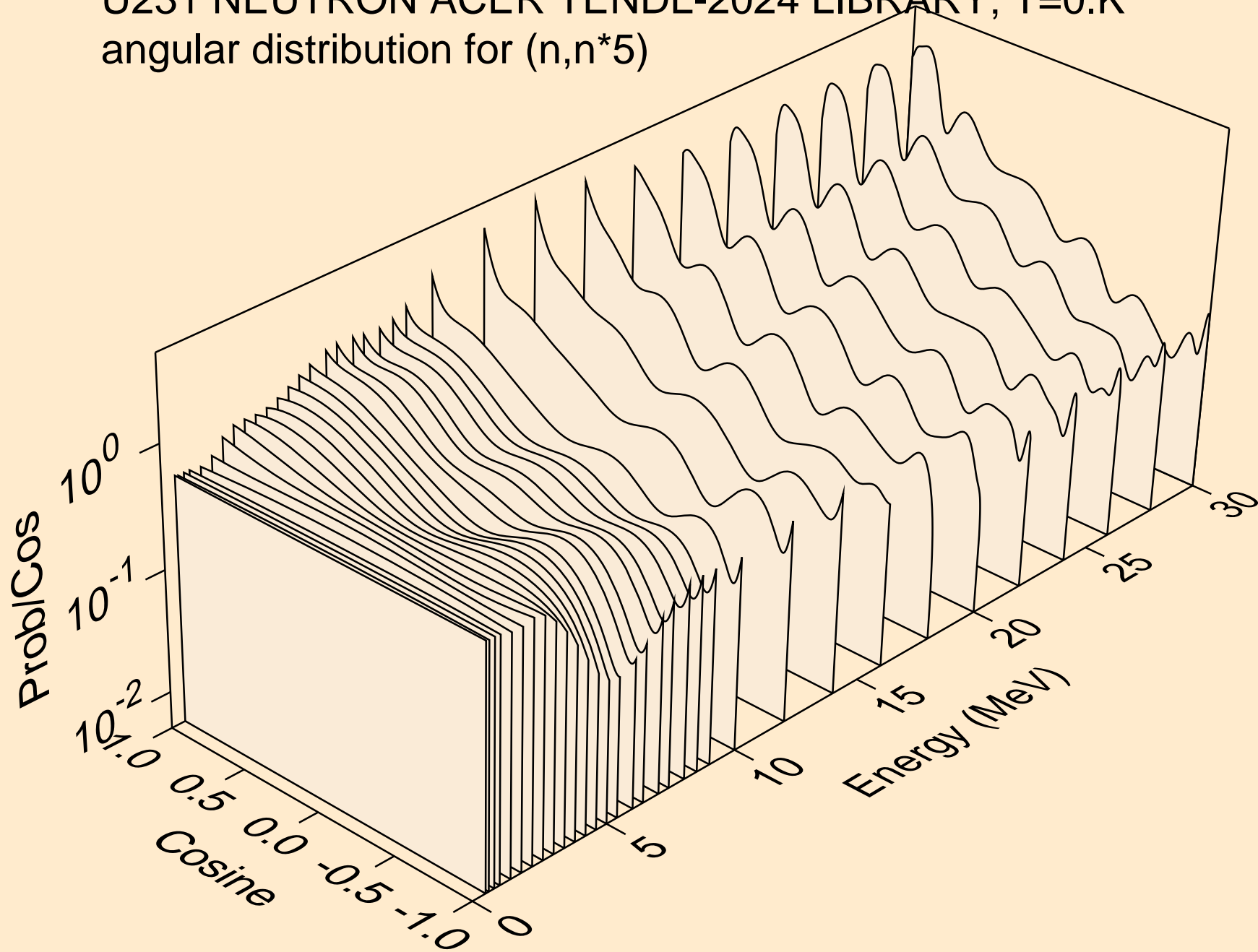
U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*3)



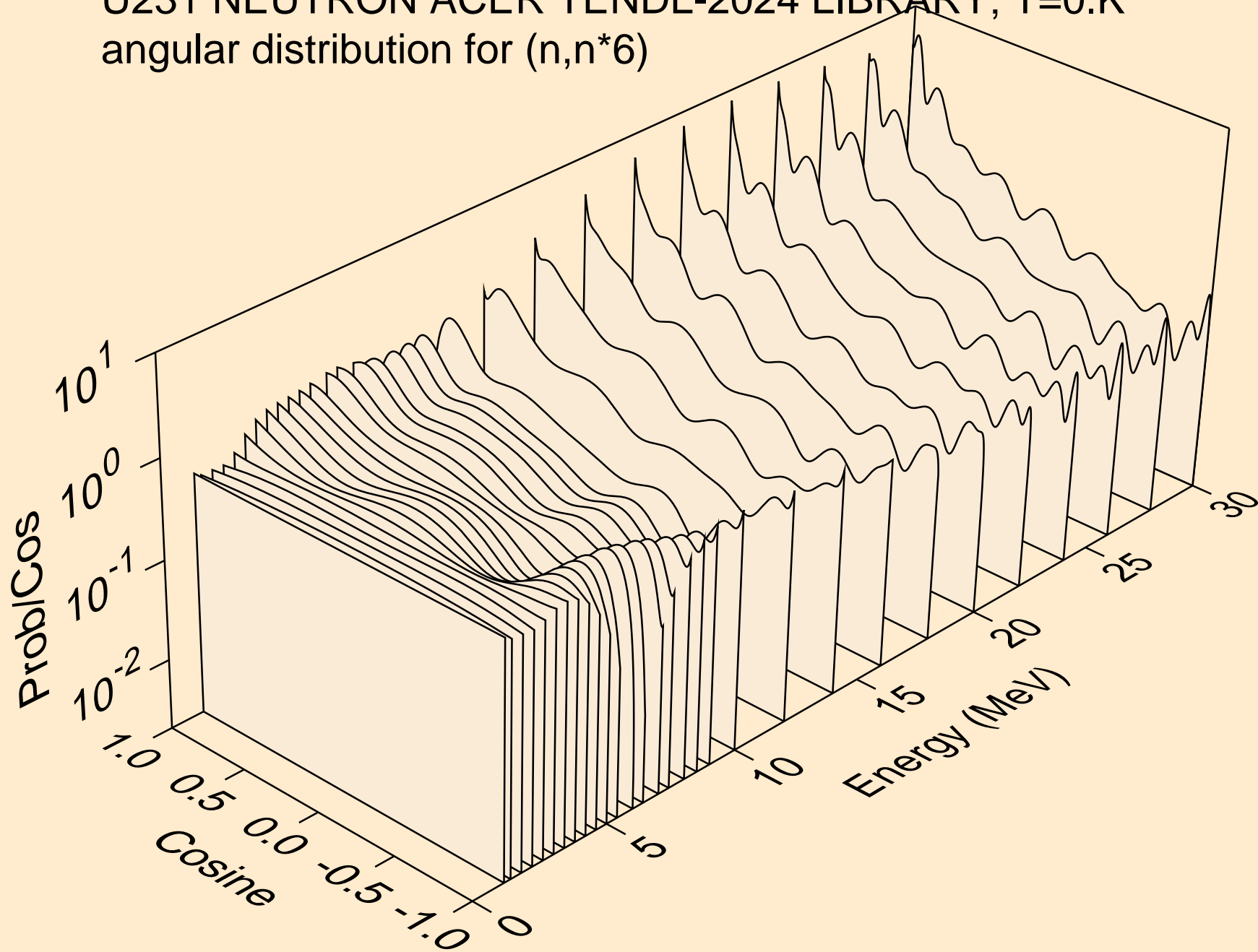
U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*4)



U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*5)

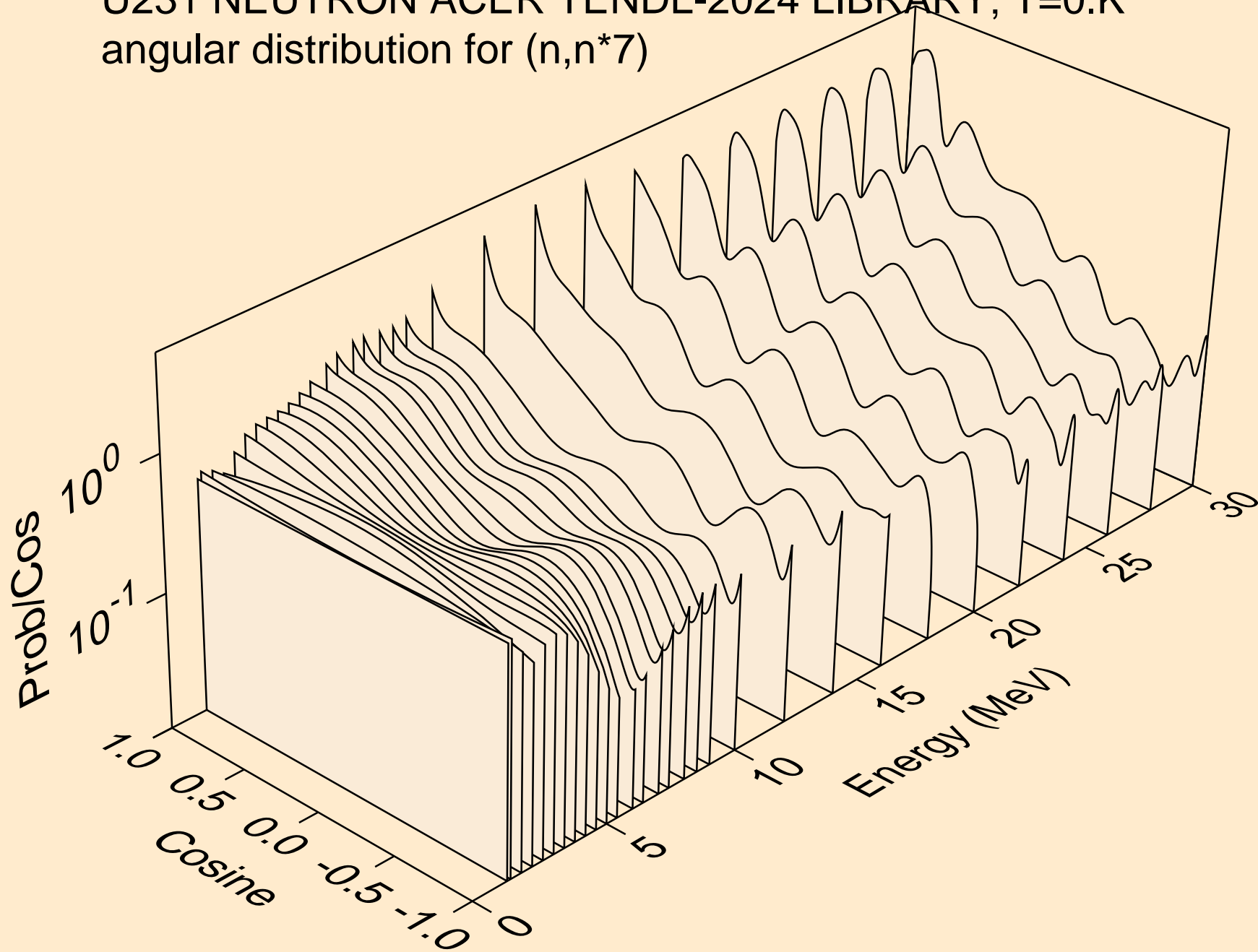


U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*6)



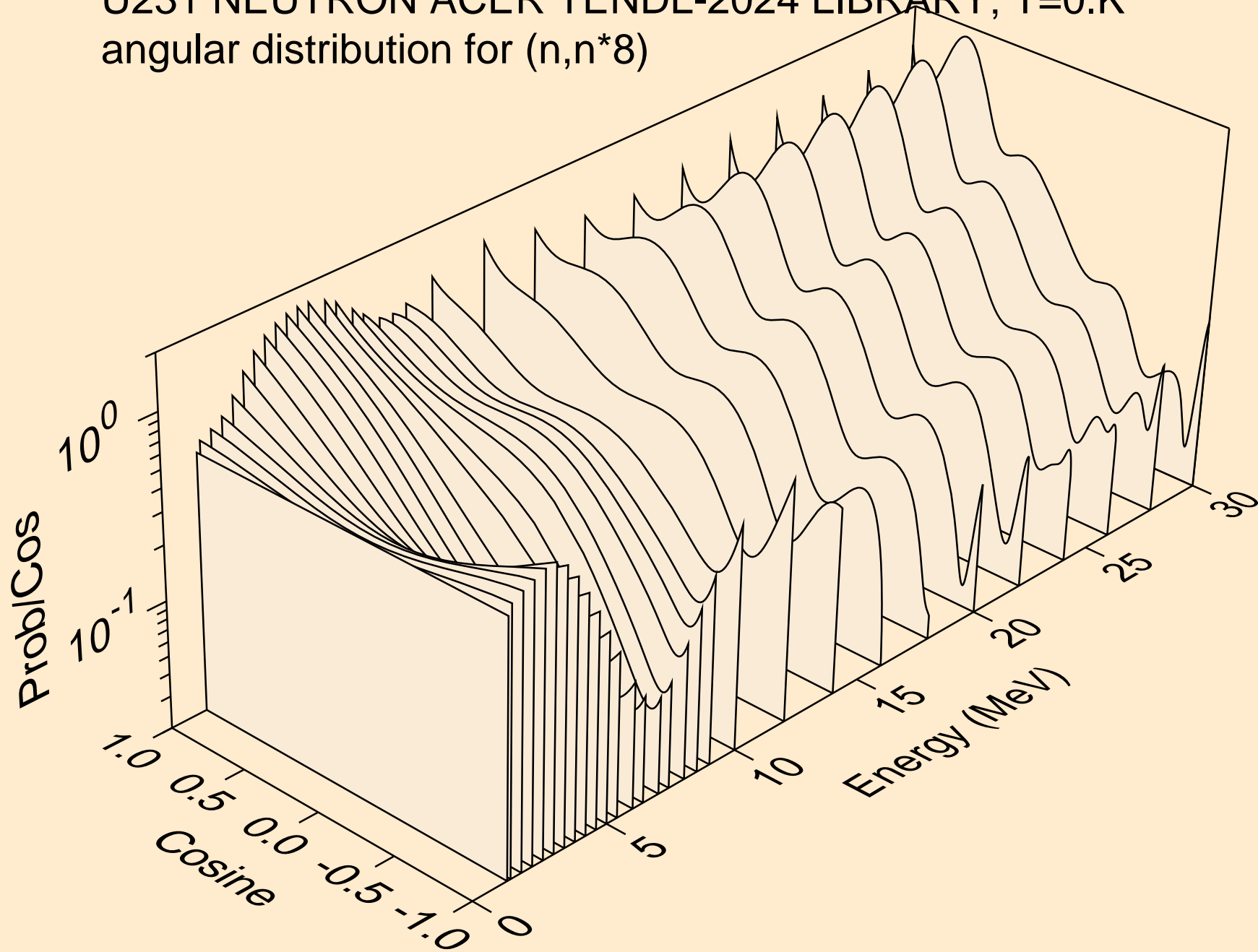


U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*7)

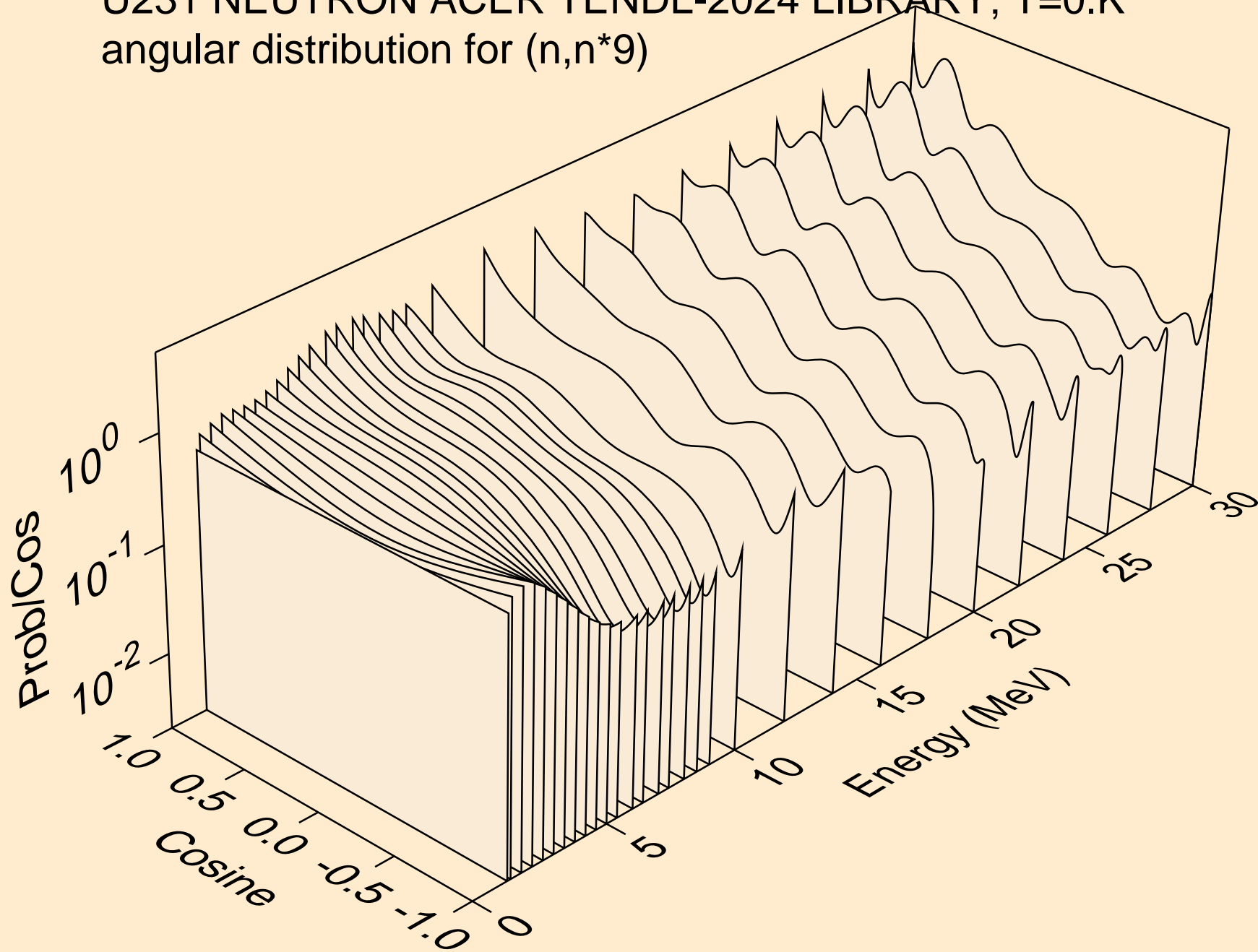




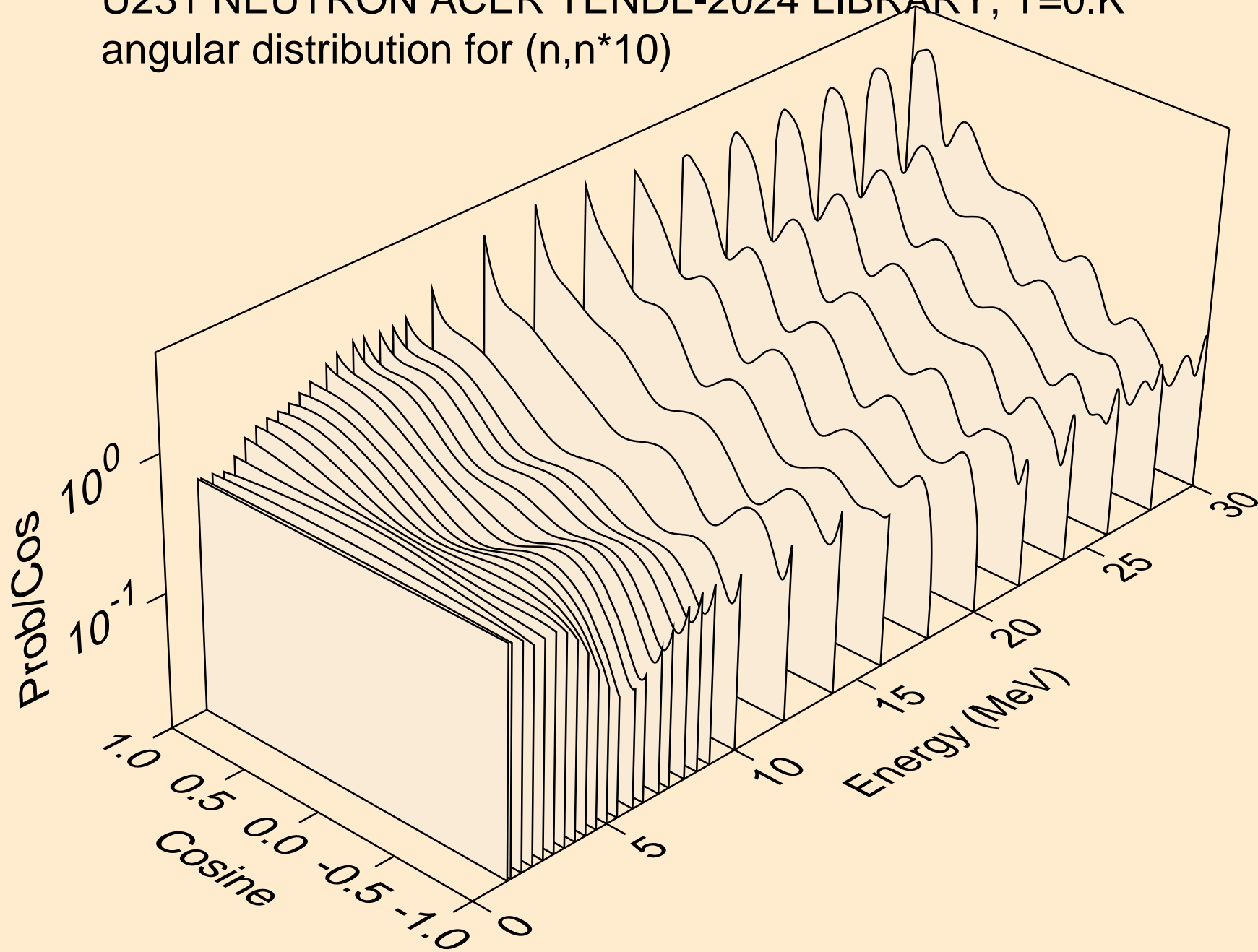
U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*8)



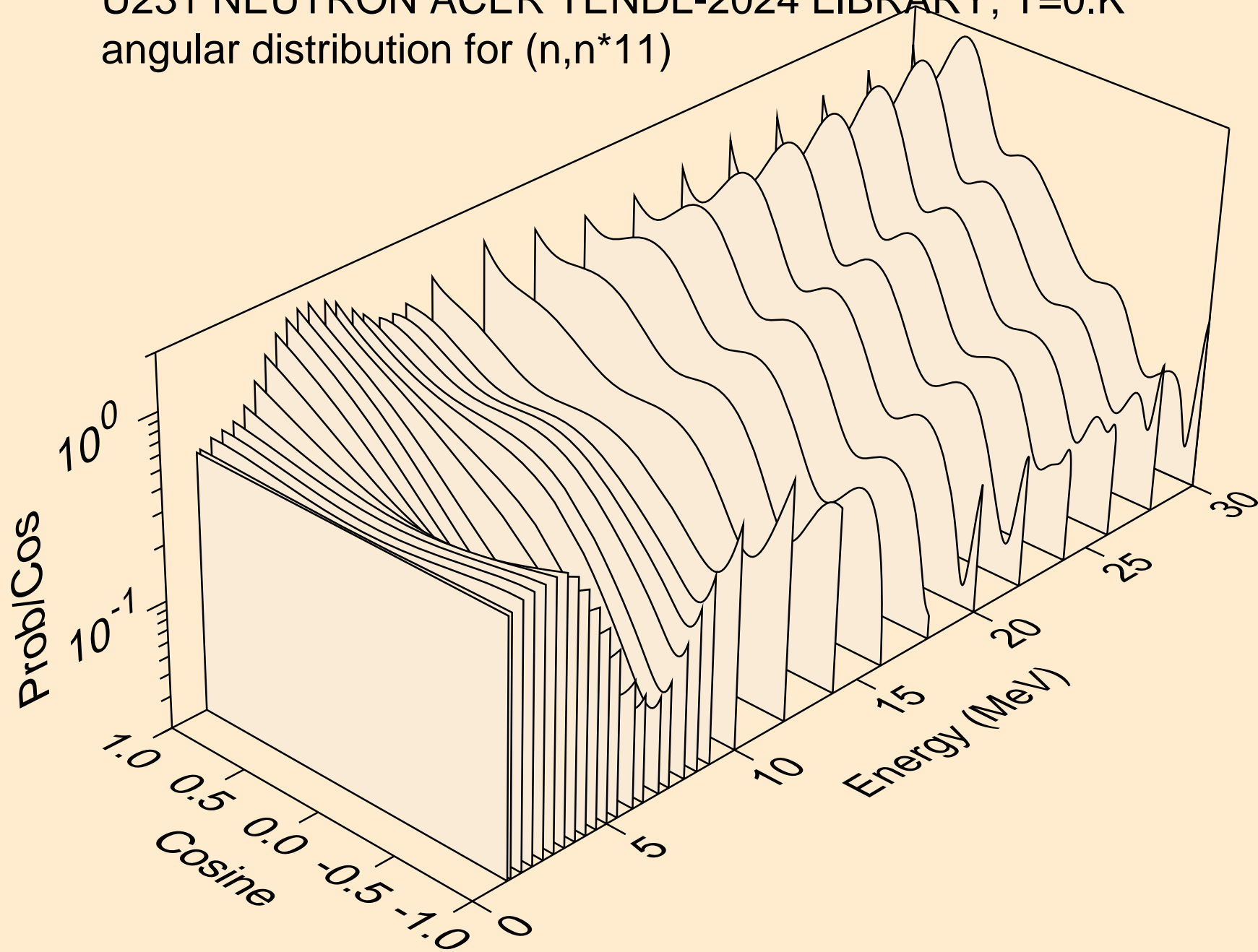
U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*9)



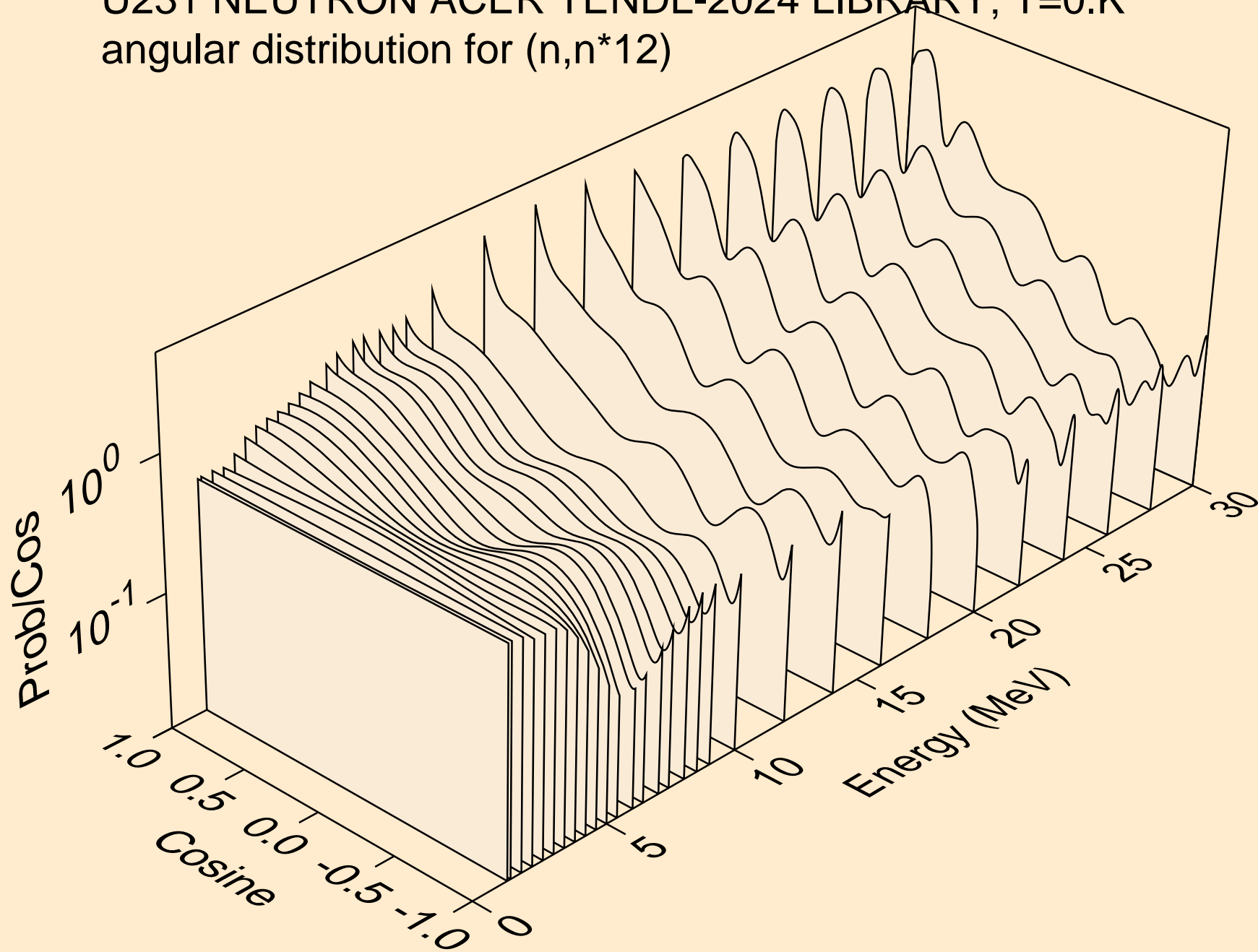
U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*10)



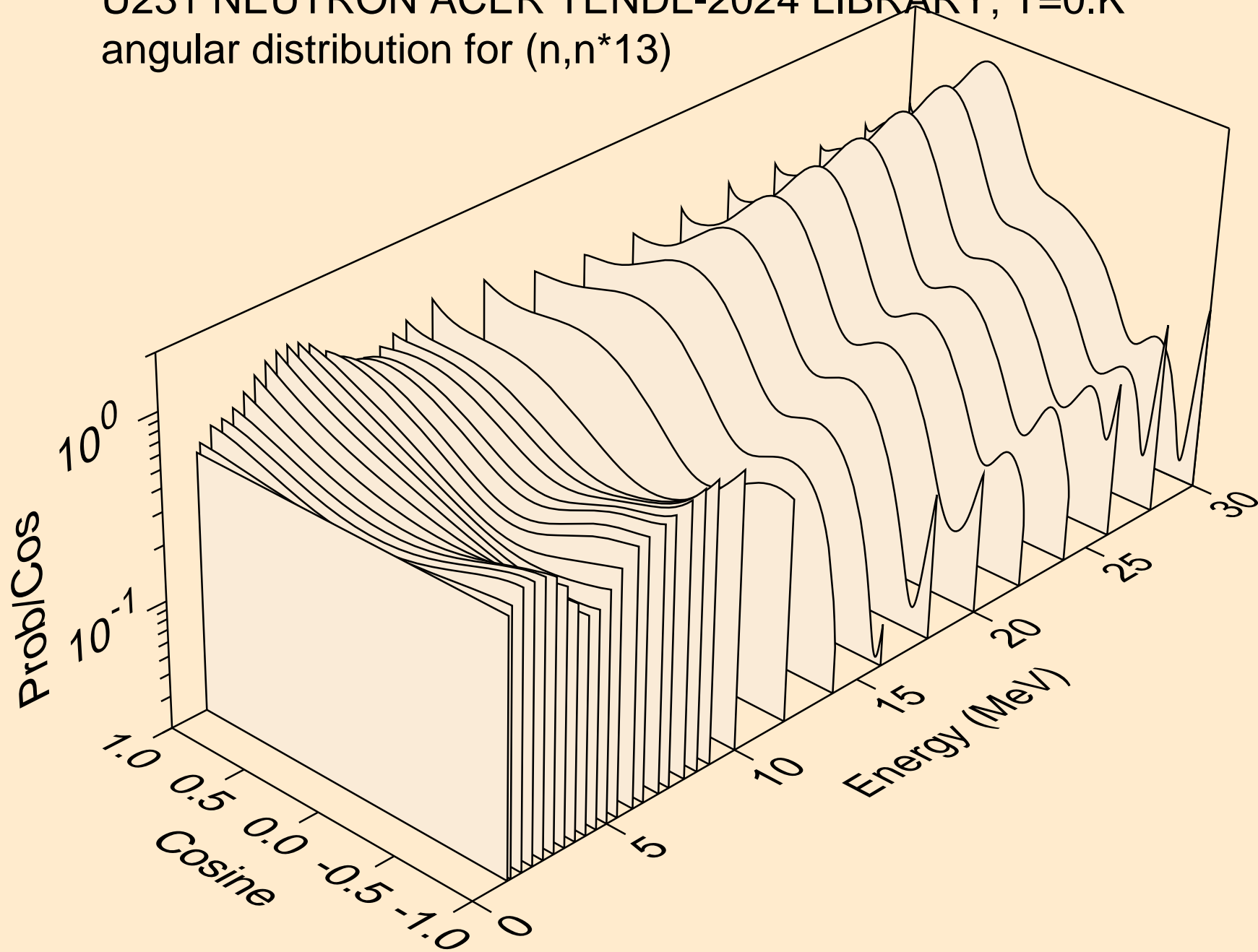
U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*11)



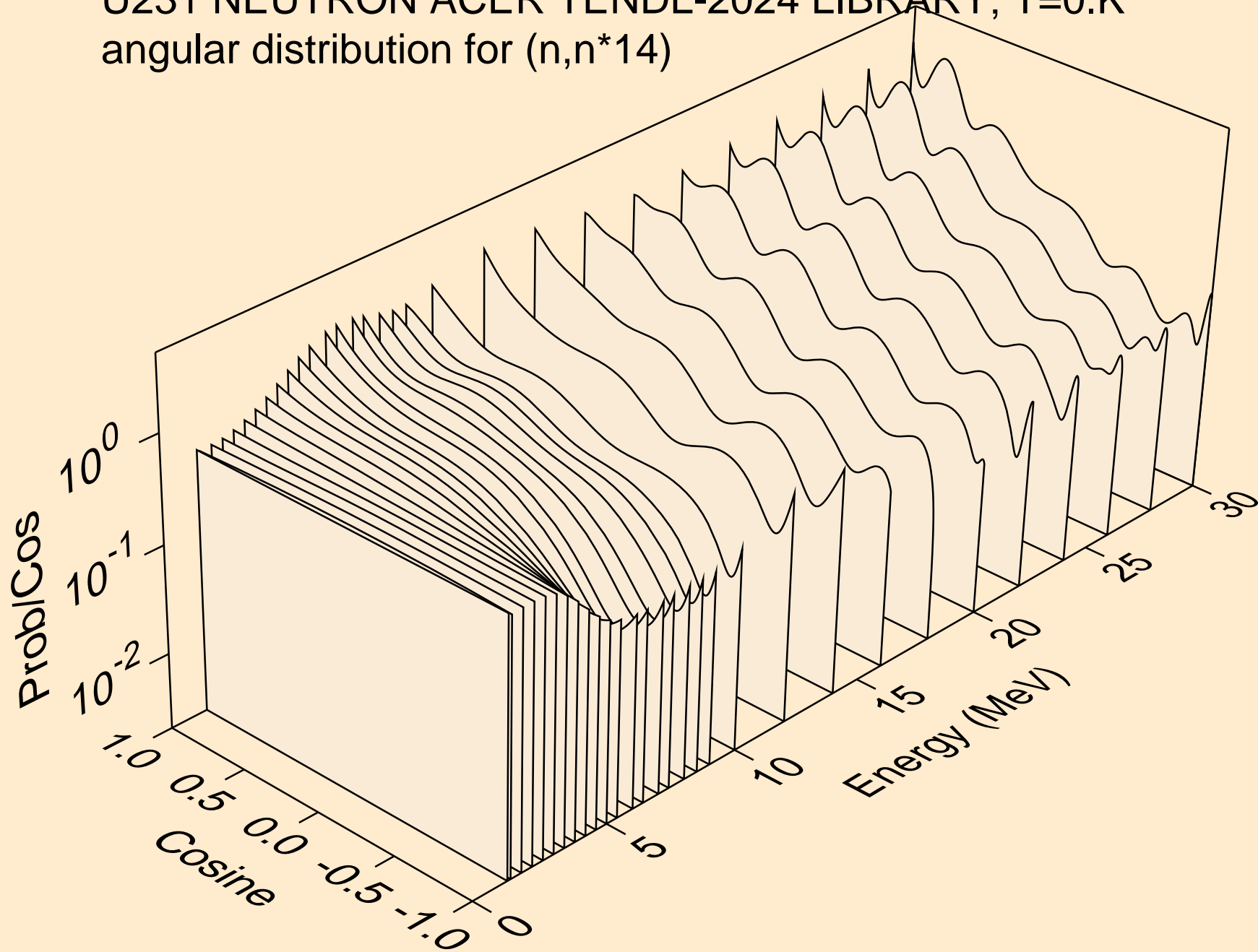
U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*12)



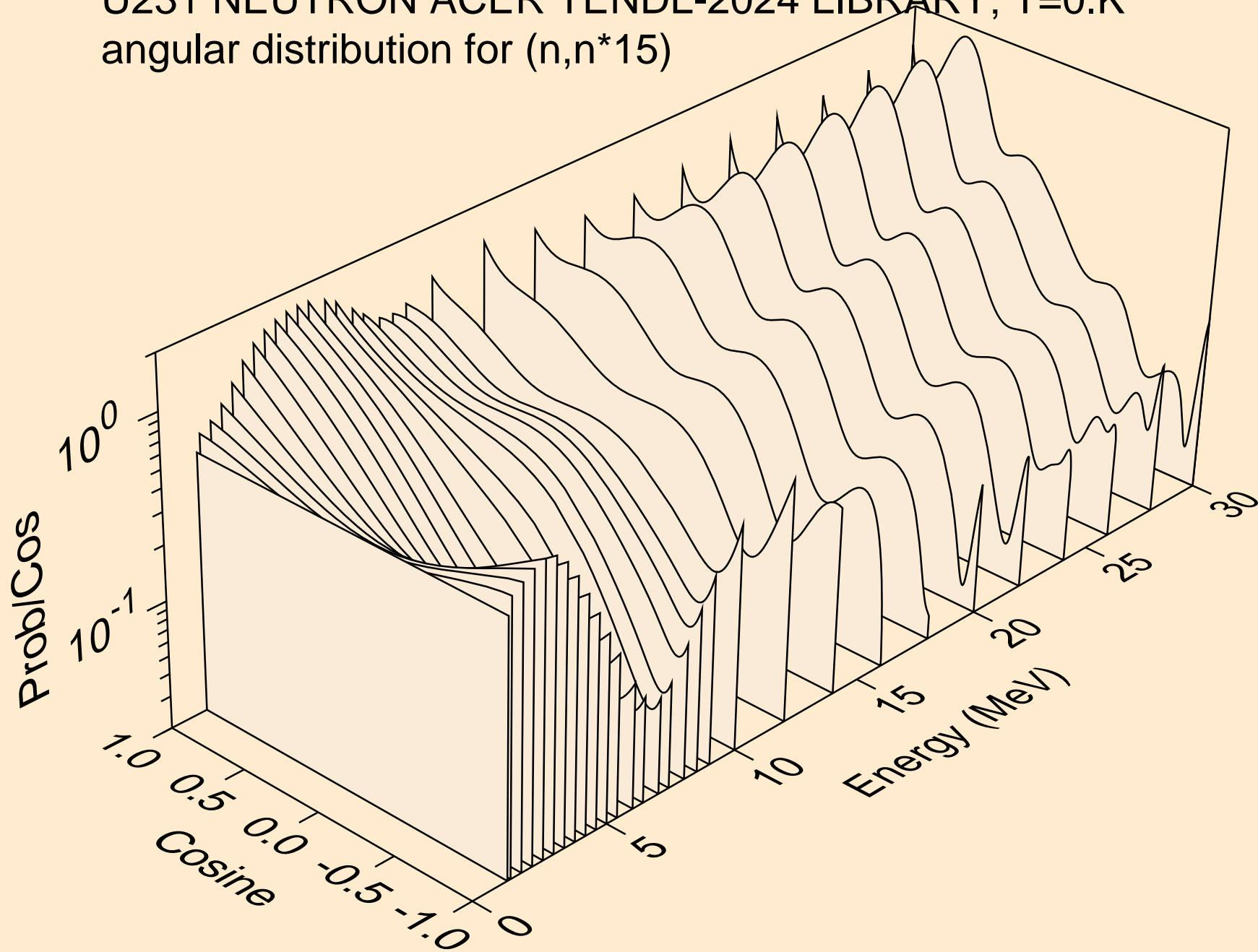
U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*13)



U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*14)

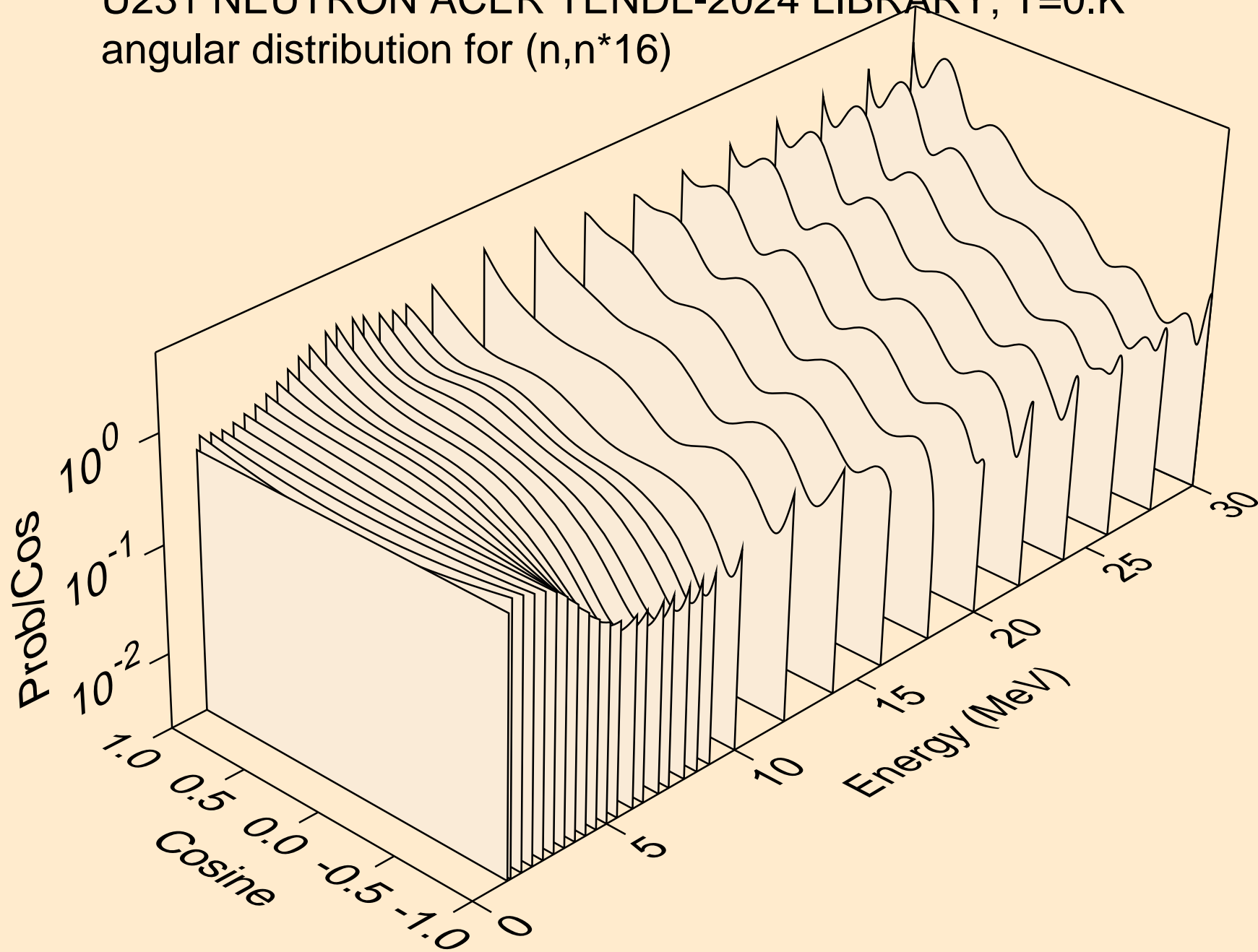


U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*15)

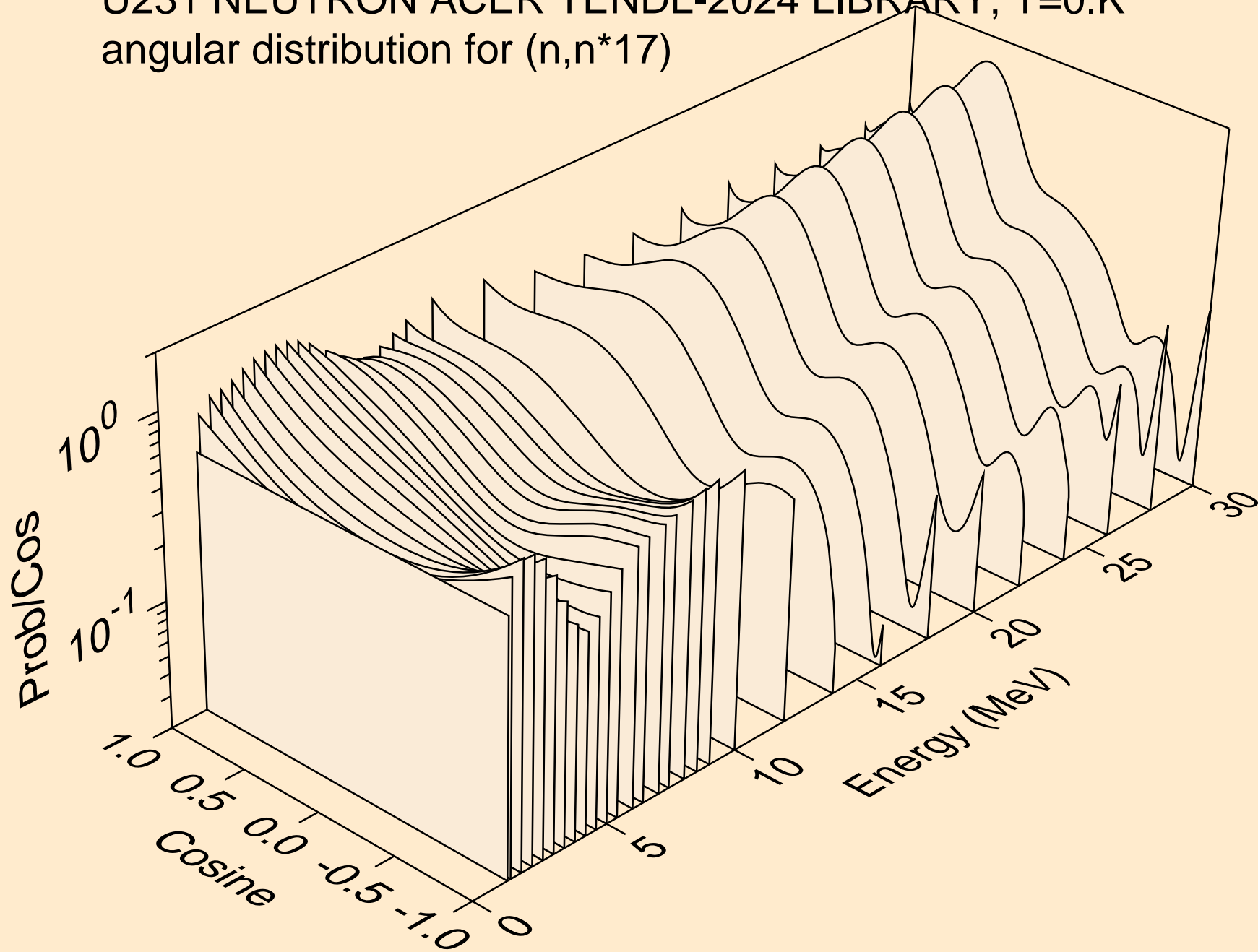




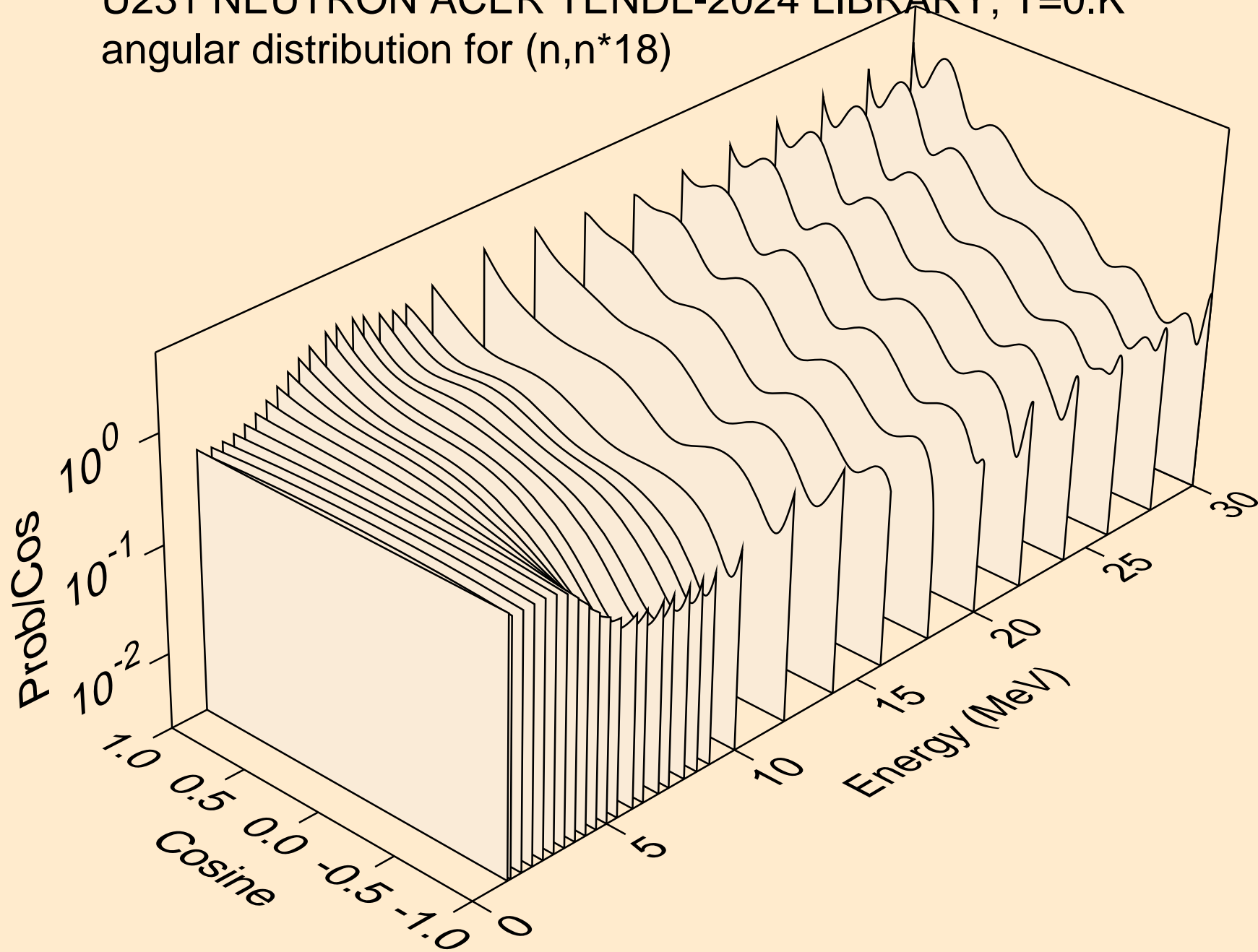
U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*16)



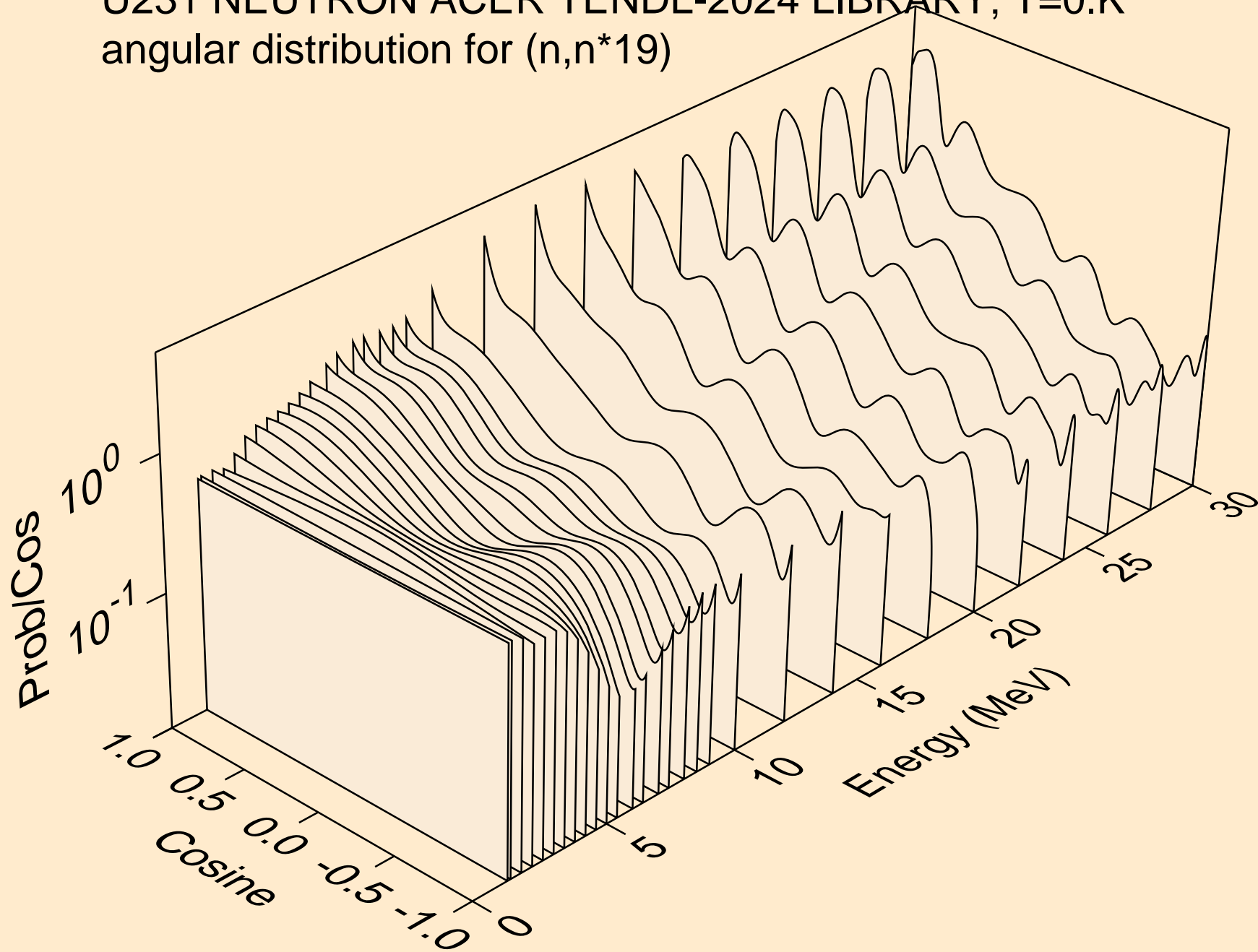
U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*17)



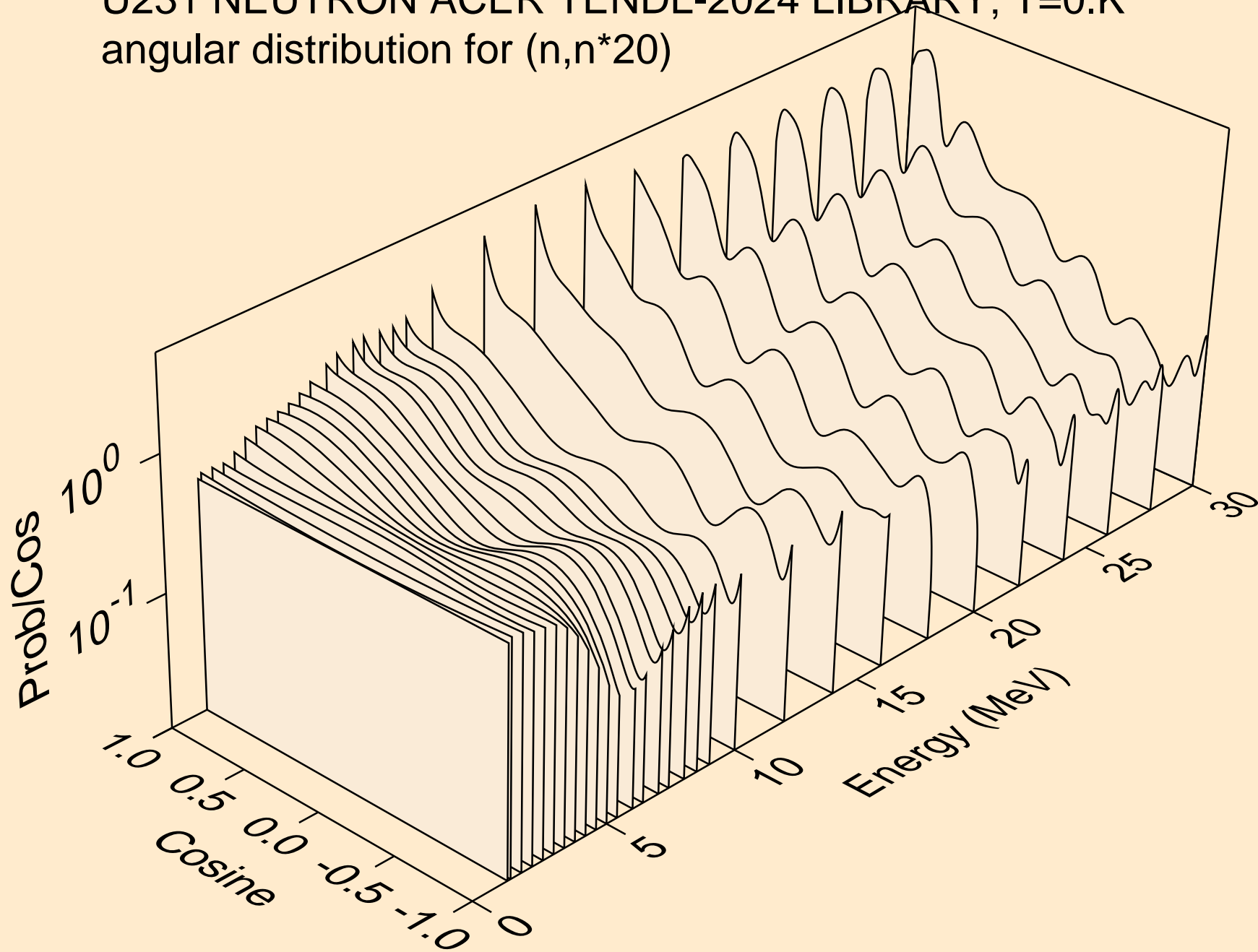
U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*18)



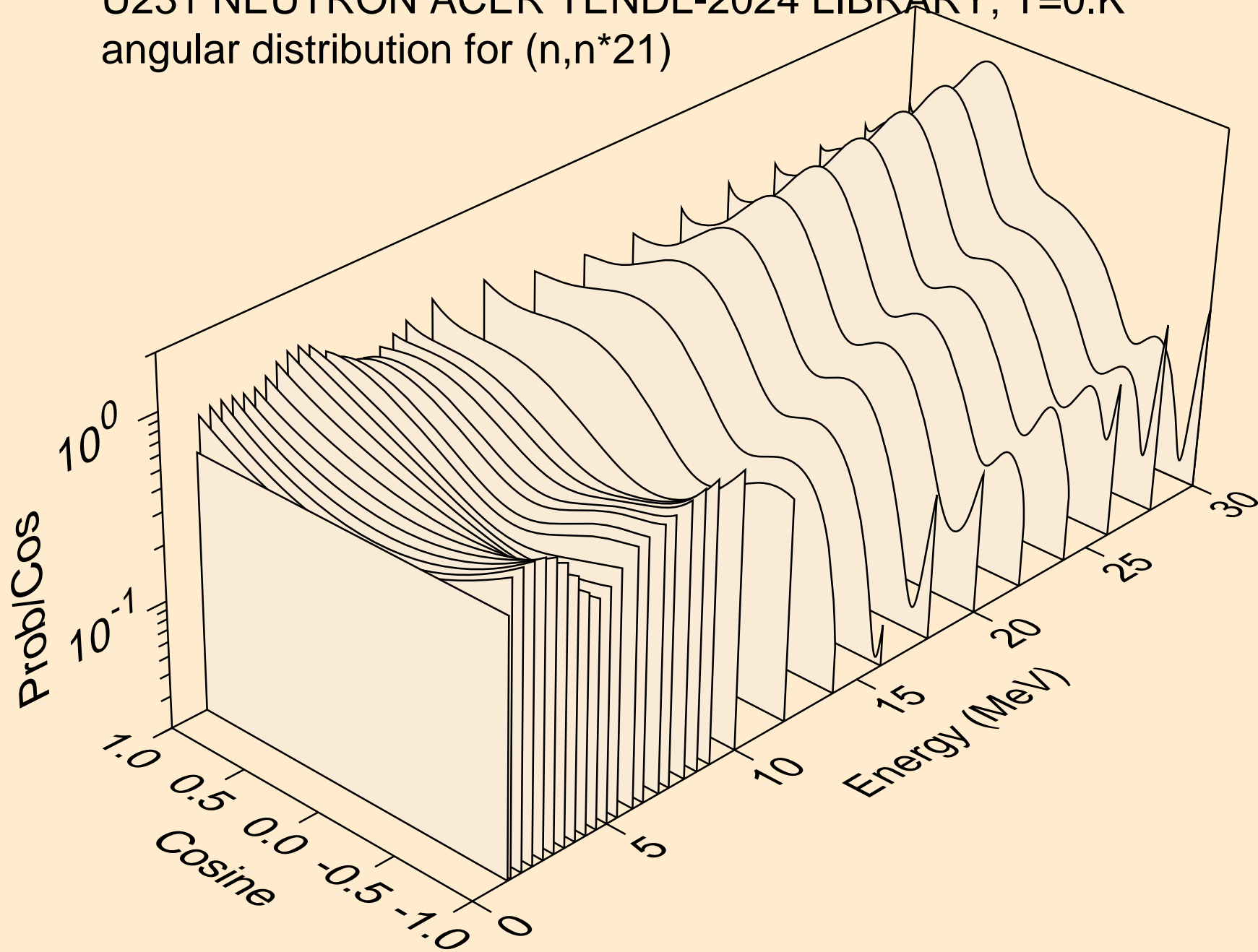
U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*19)



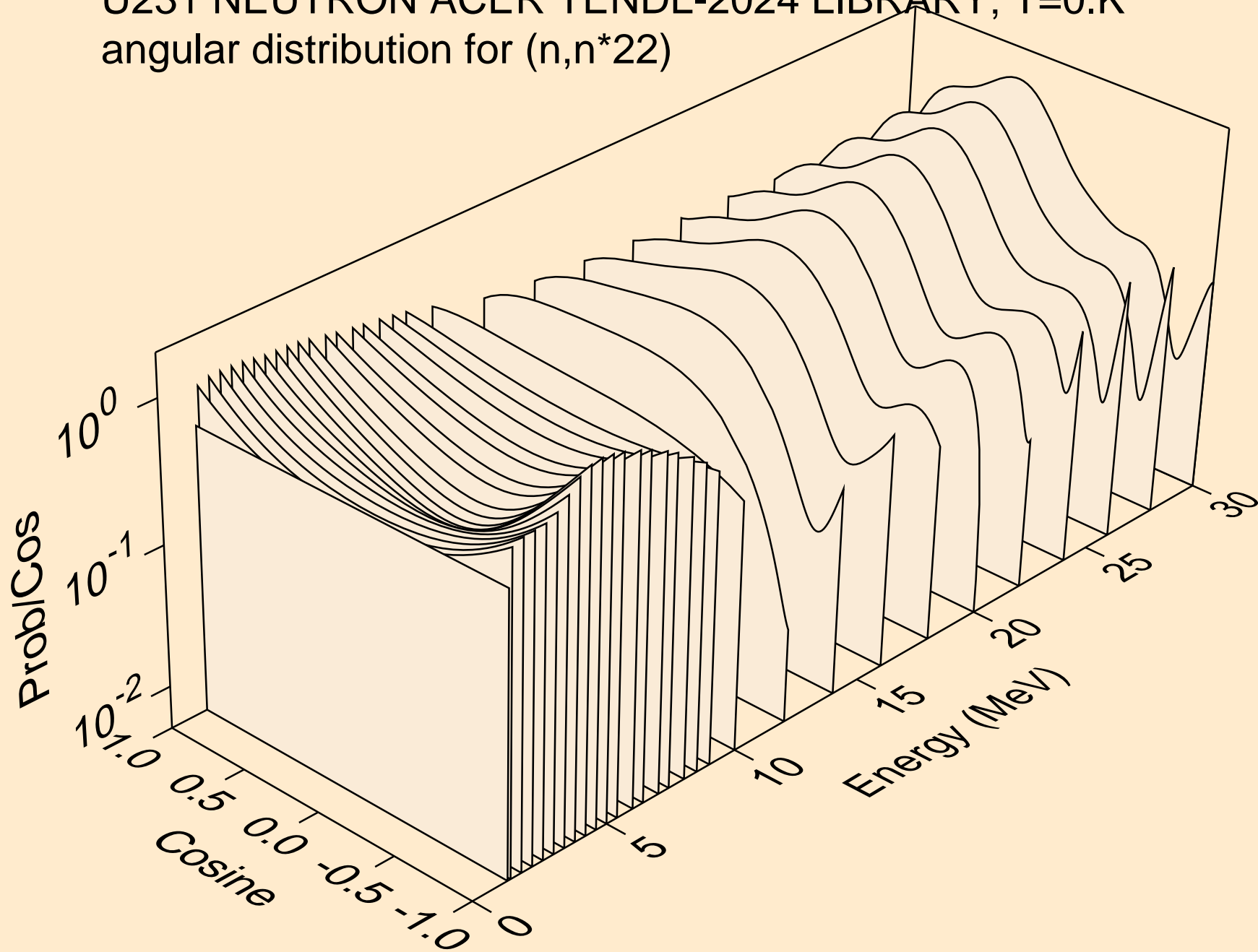
U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*20)



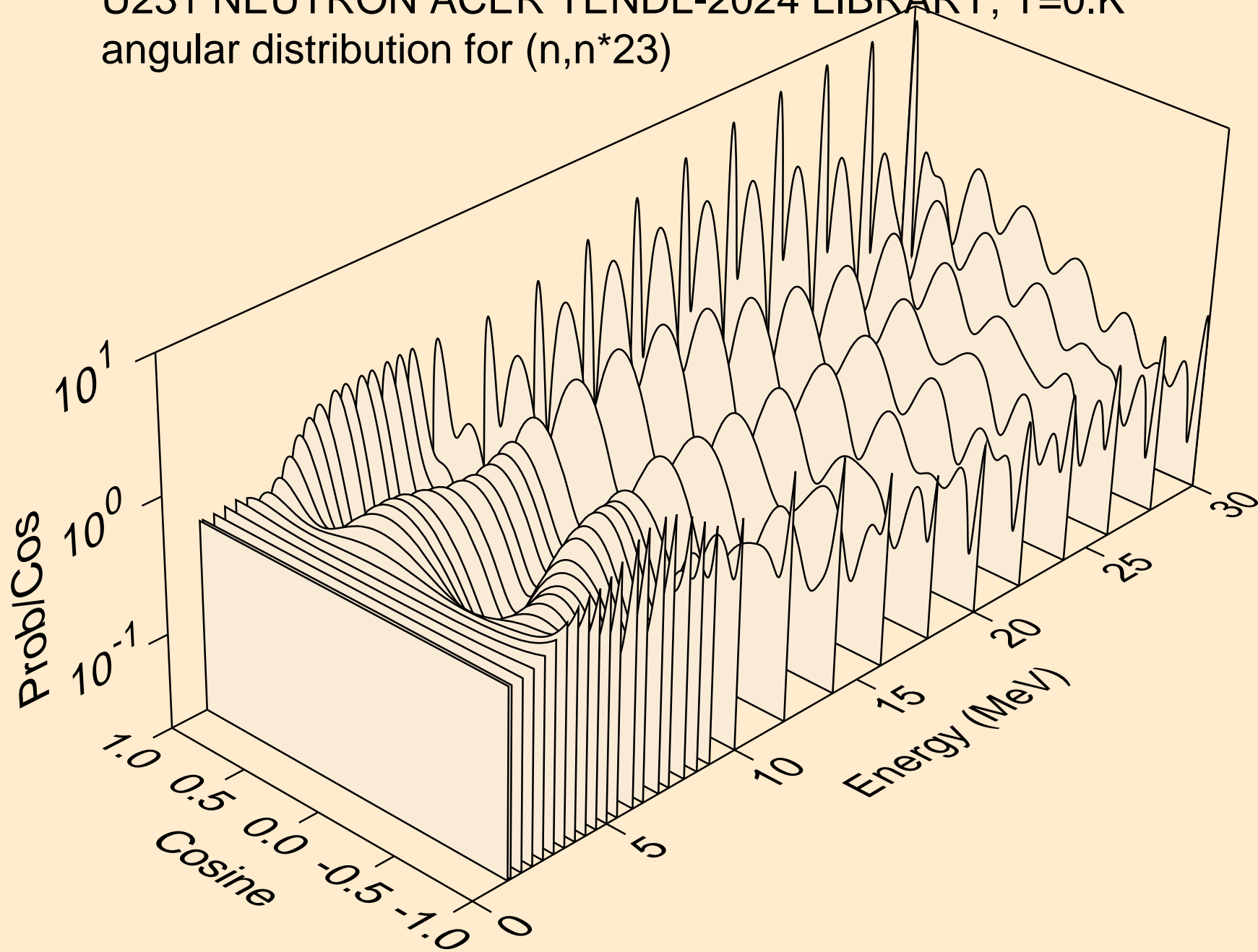
U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*21)



U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*22)

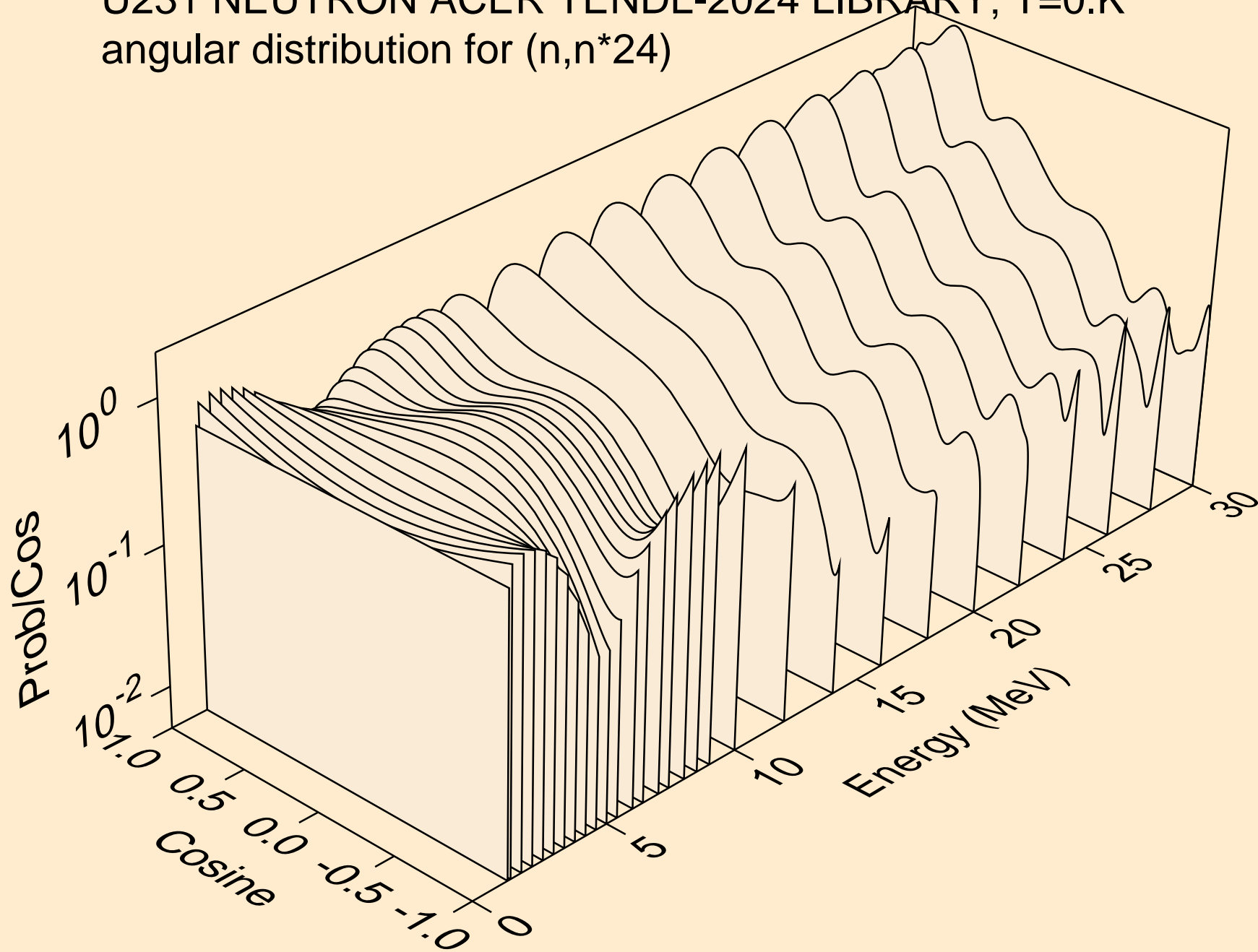


U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*23)

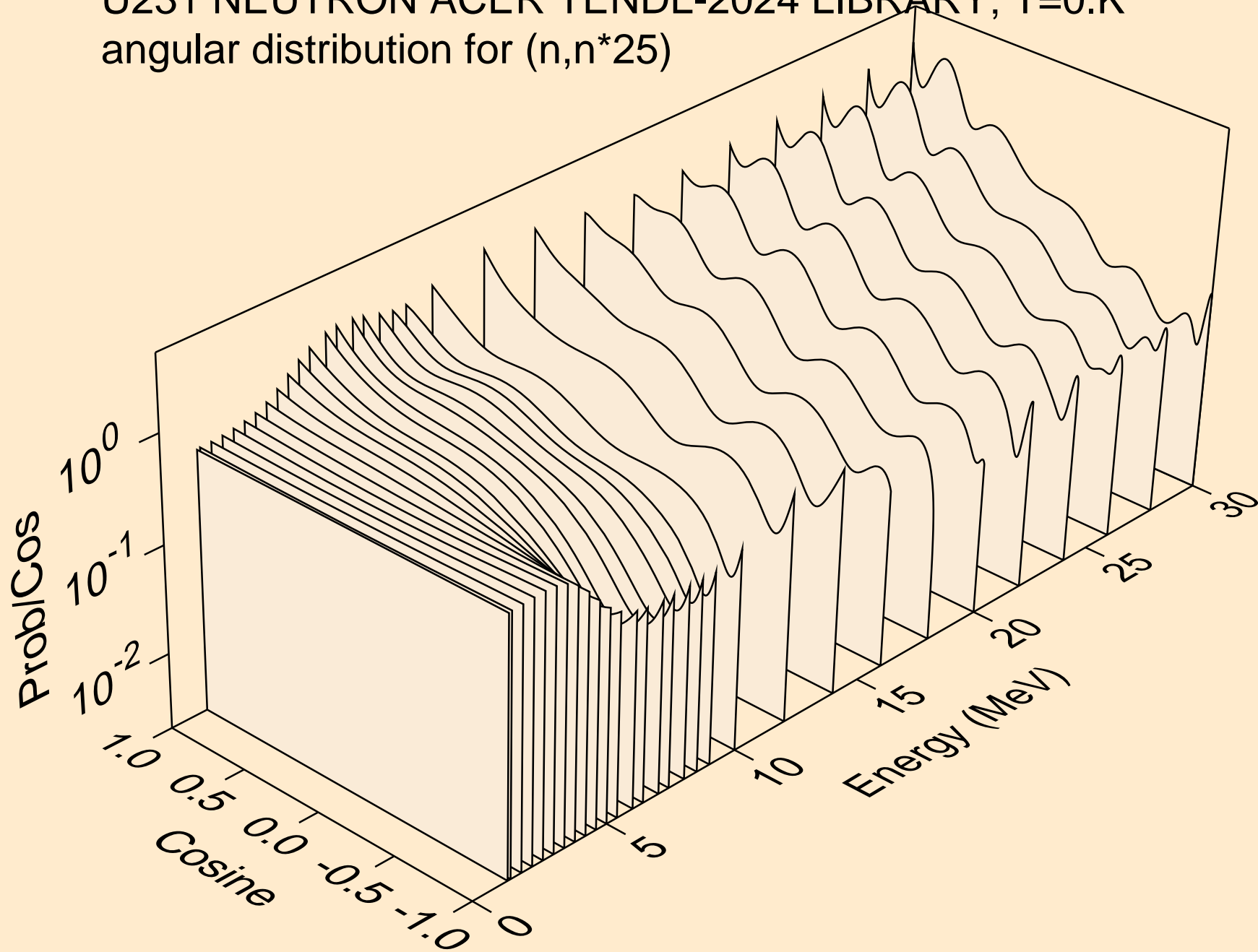




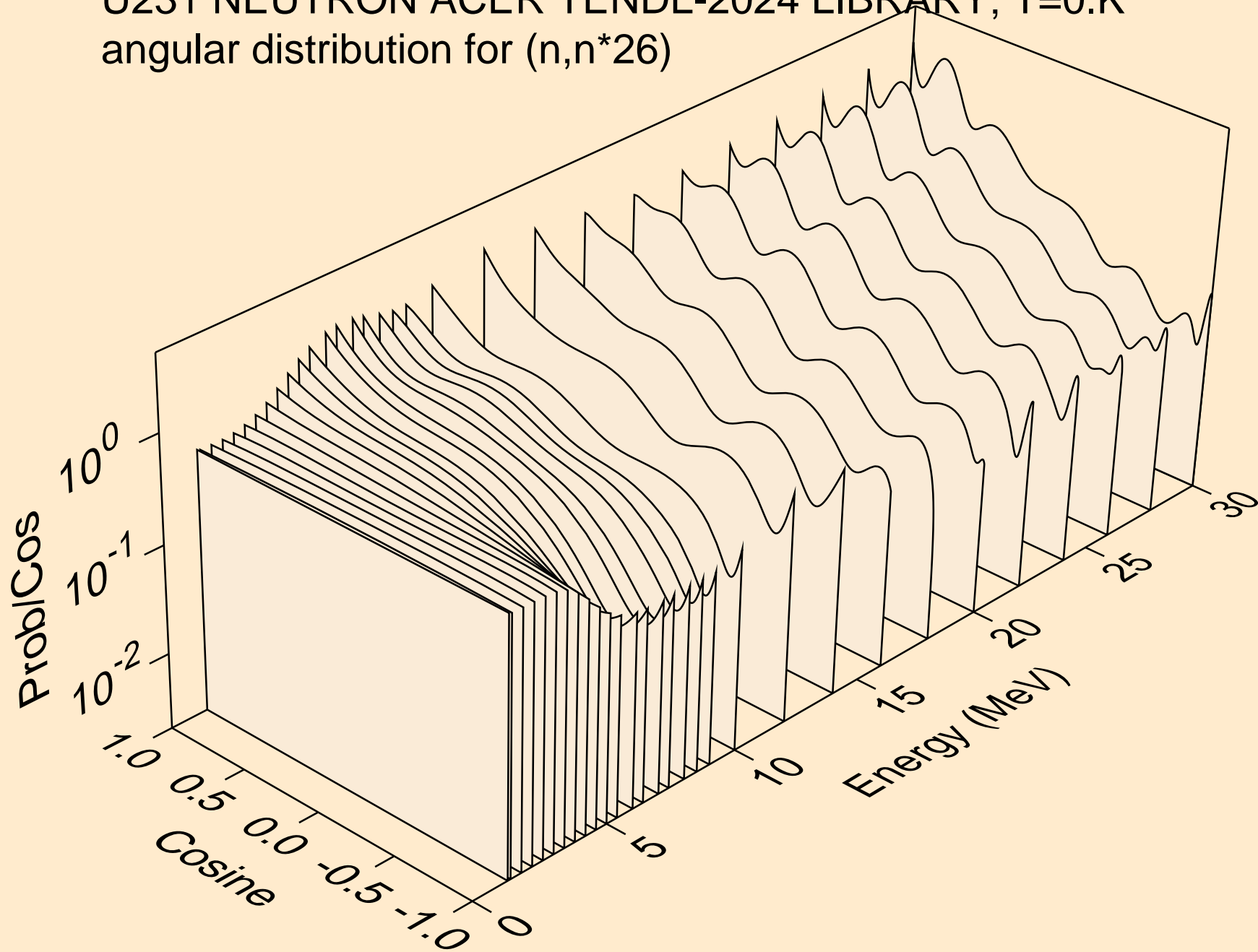
U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*24)



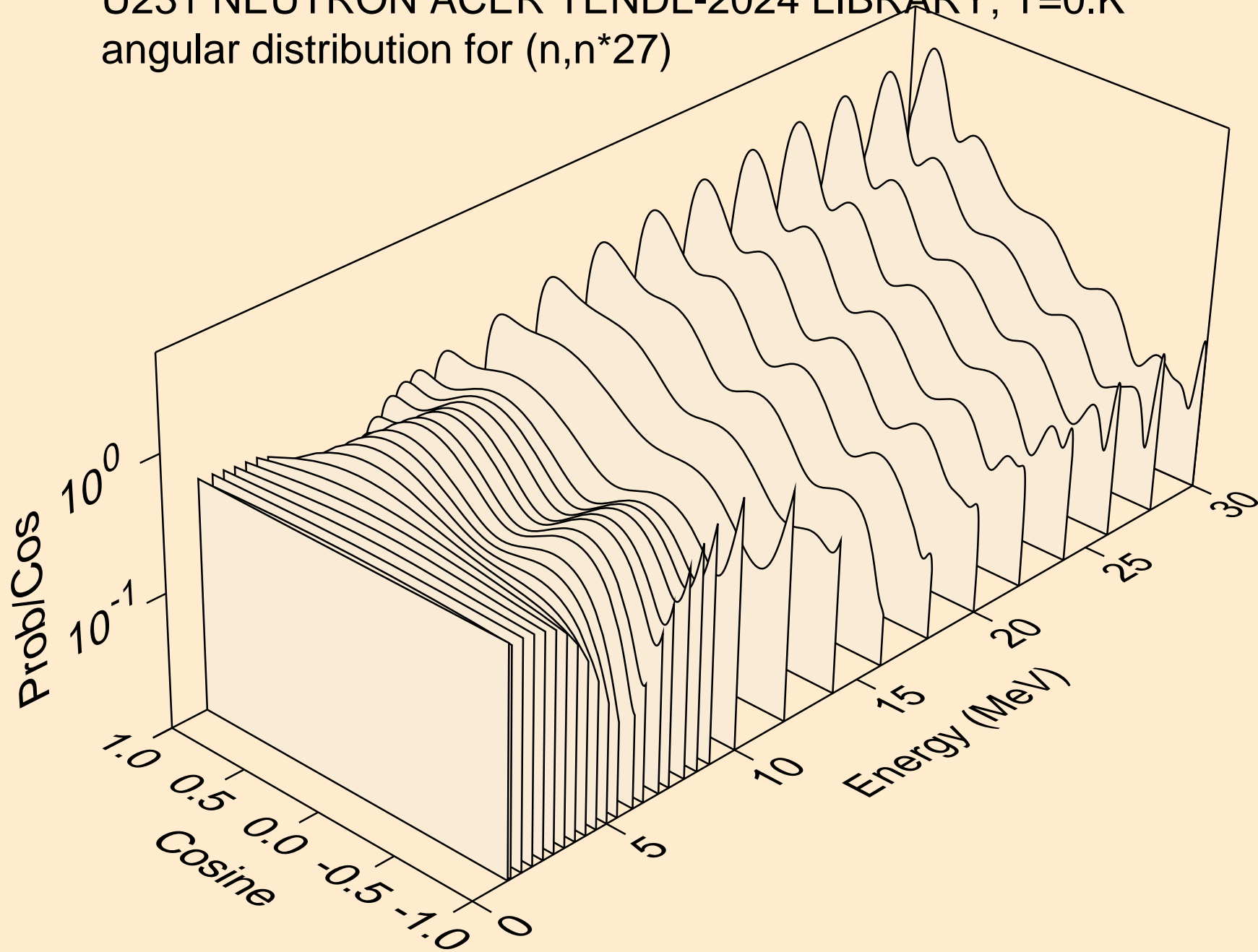
U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*25)



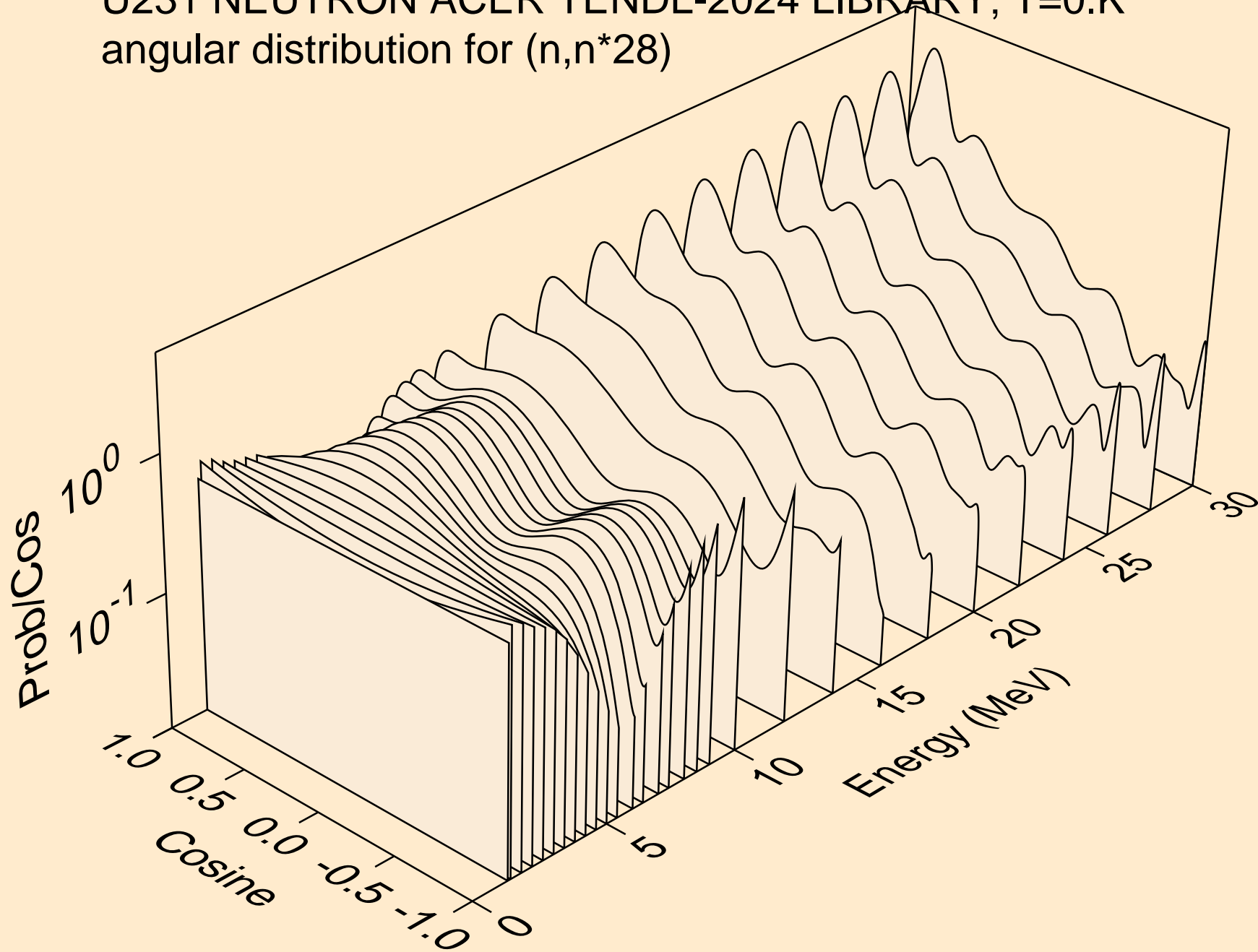
U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*26)



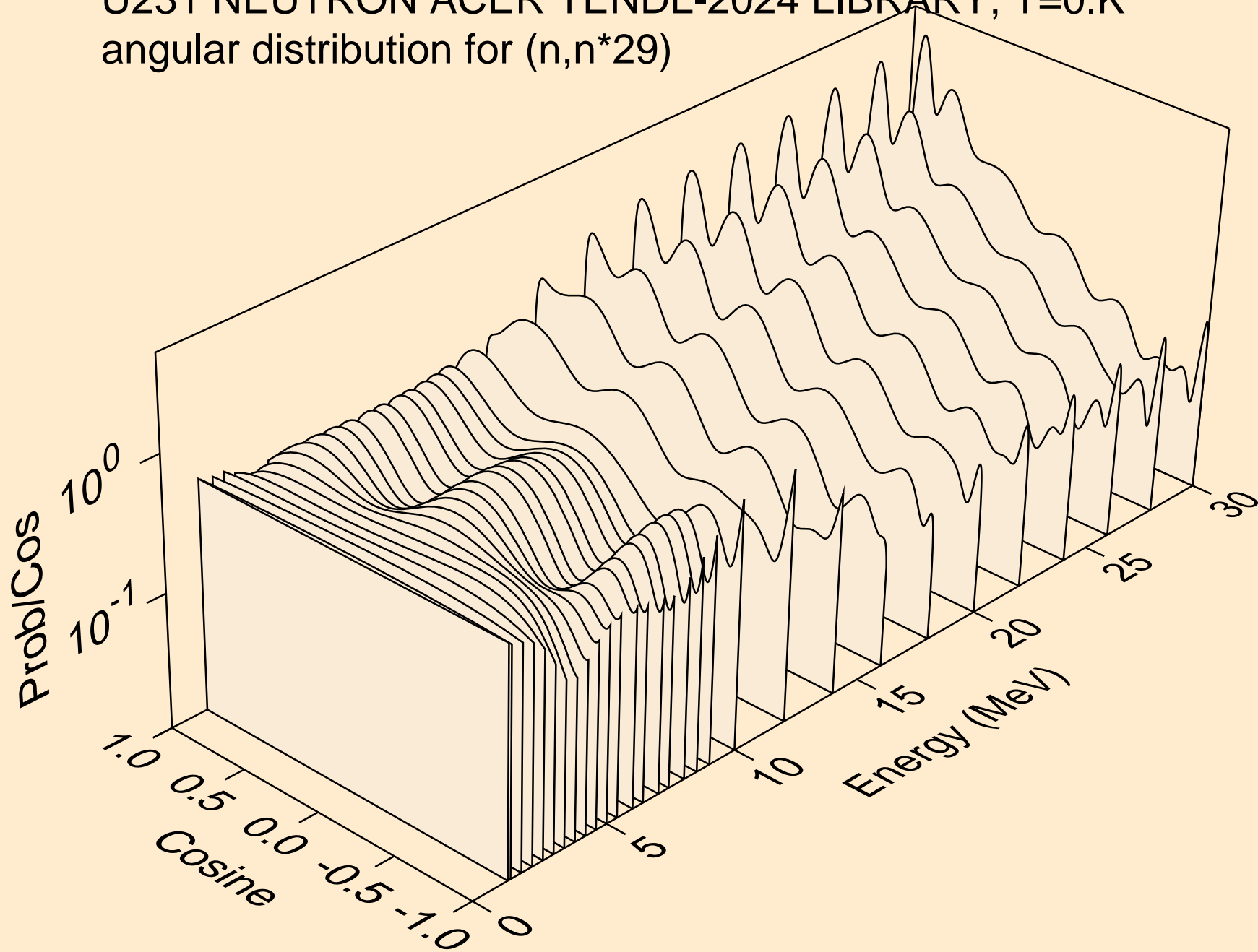
U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*27)



U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*28)

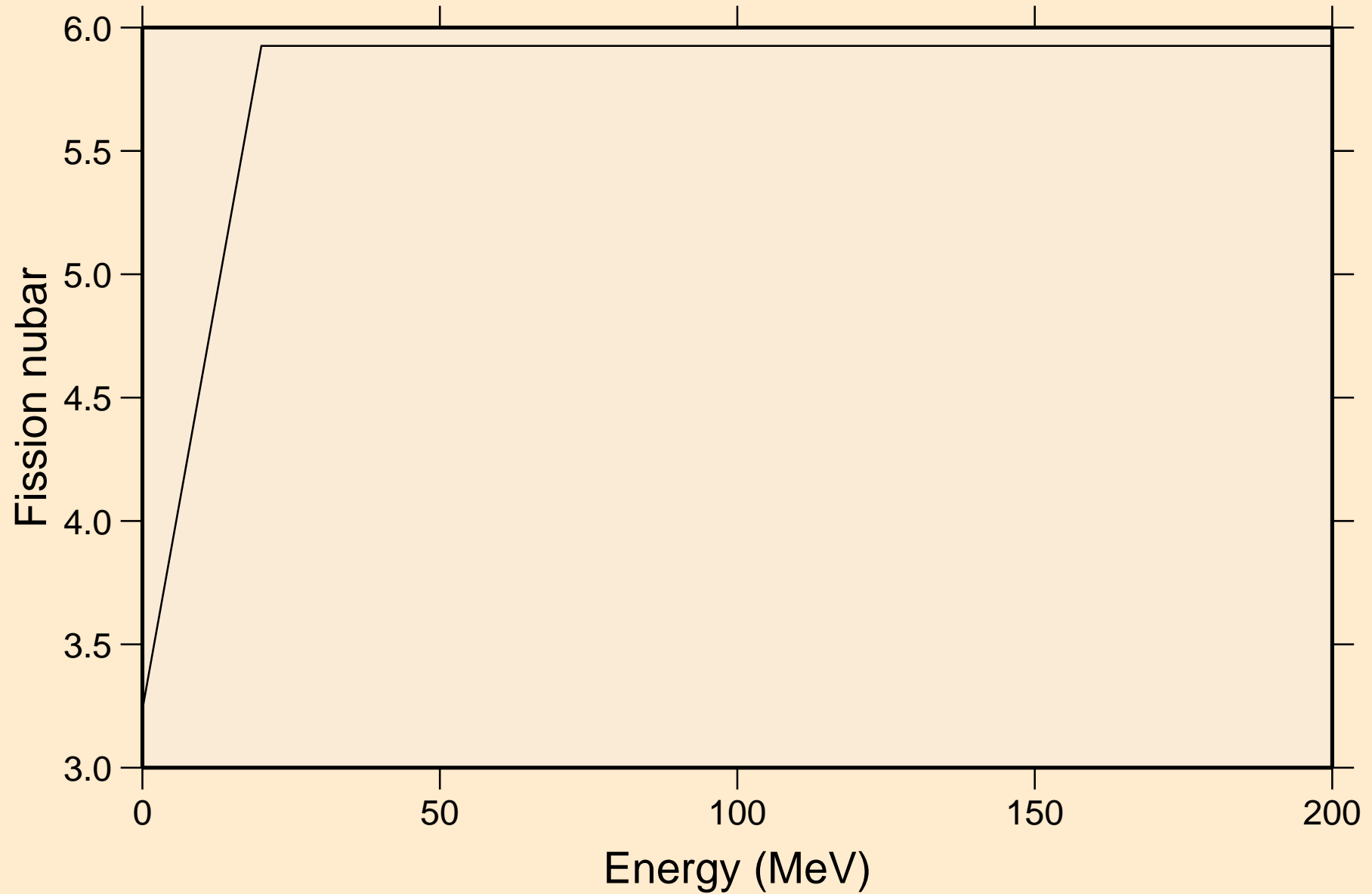


U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*29)

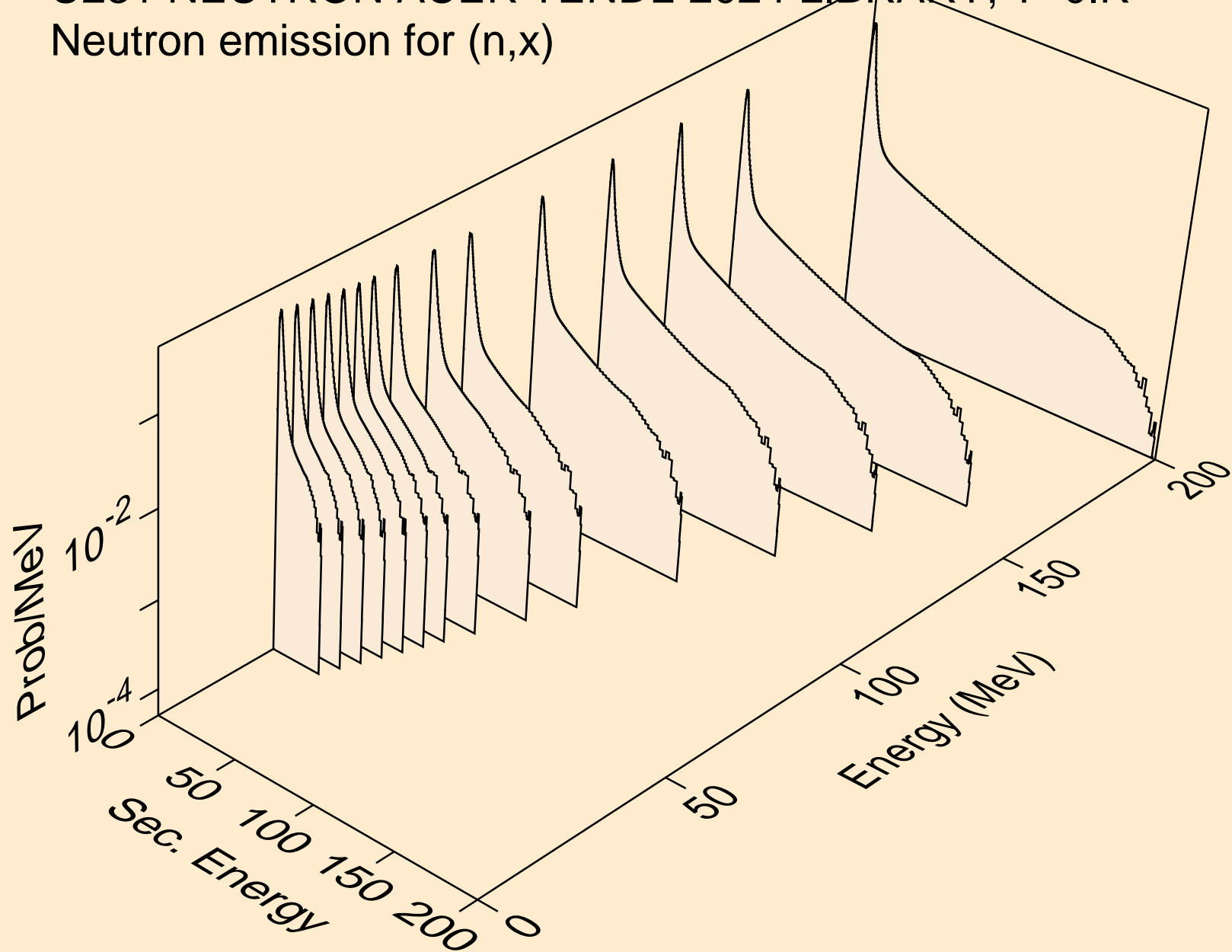


# U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

Total fission nubar

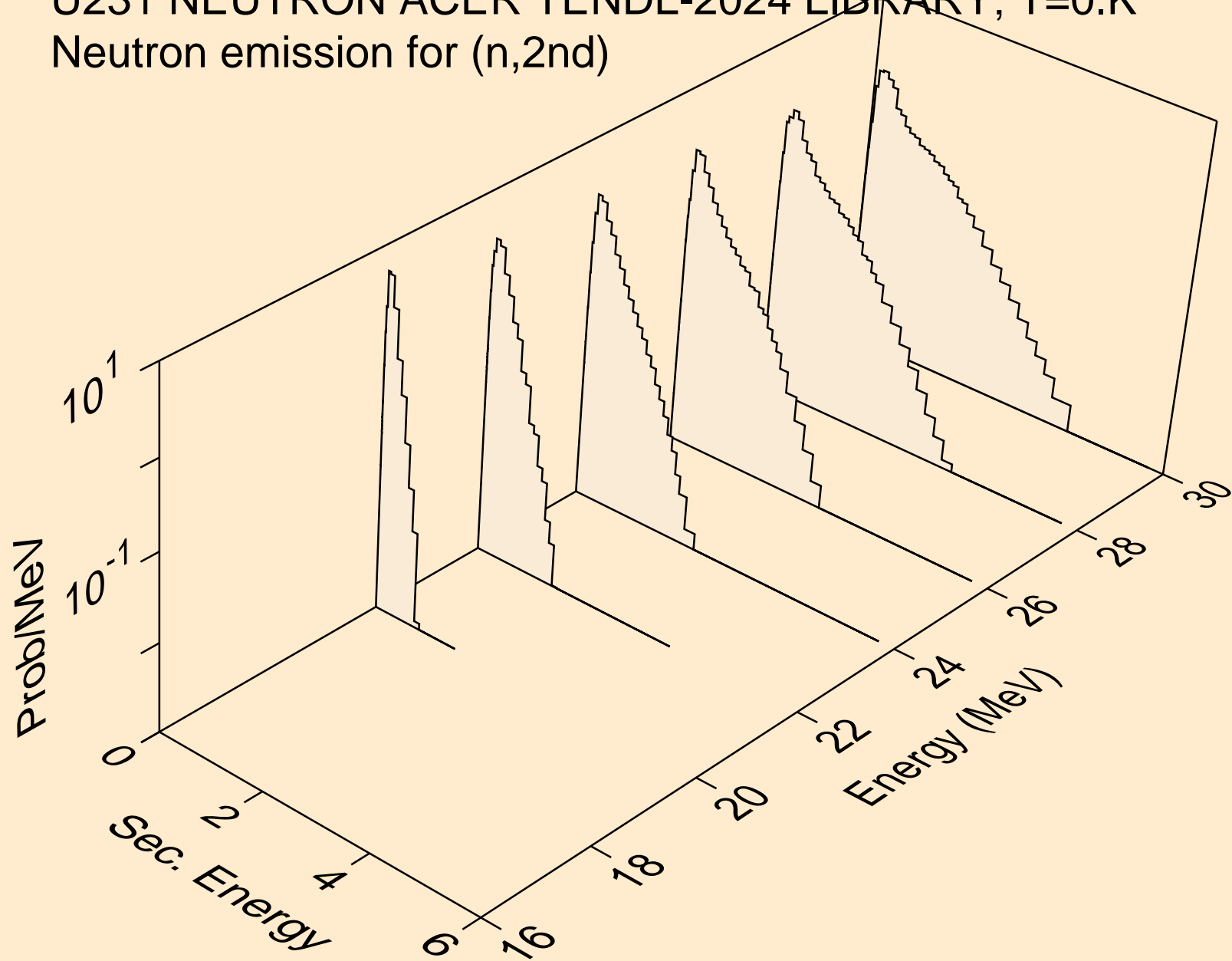


U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,x)

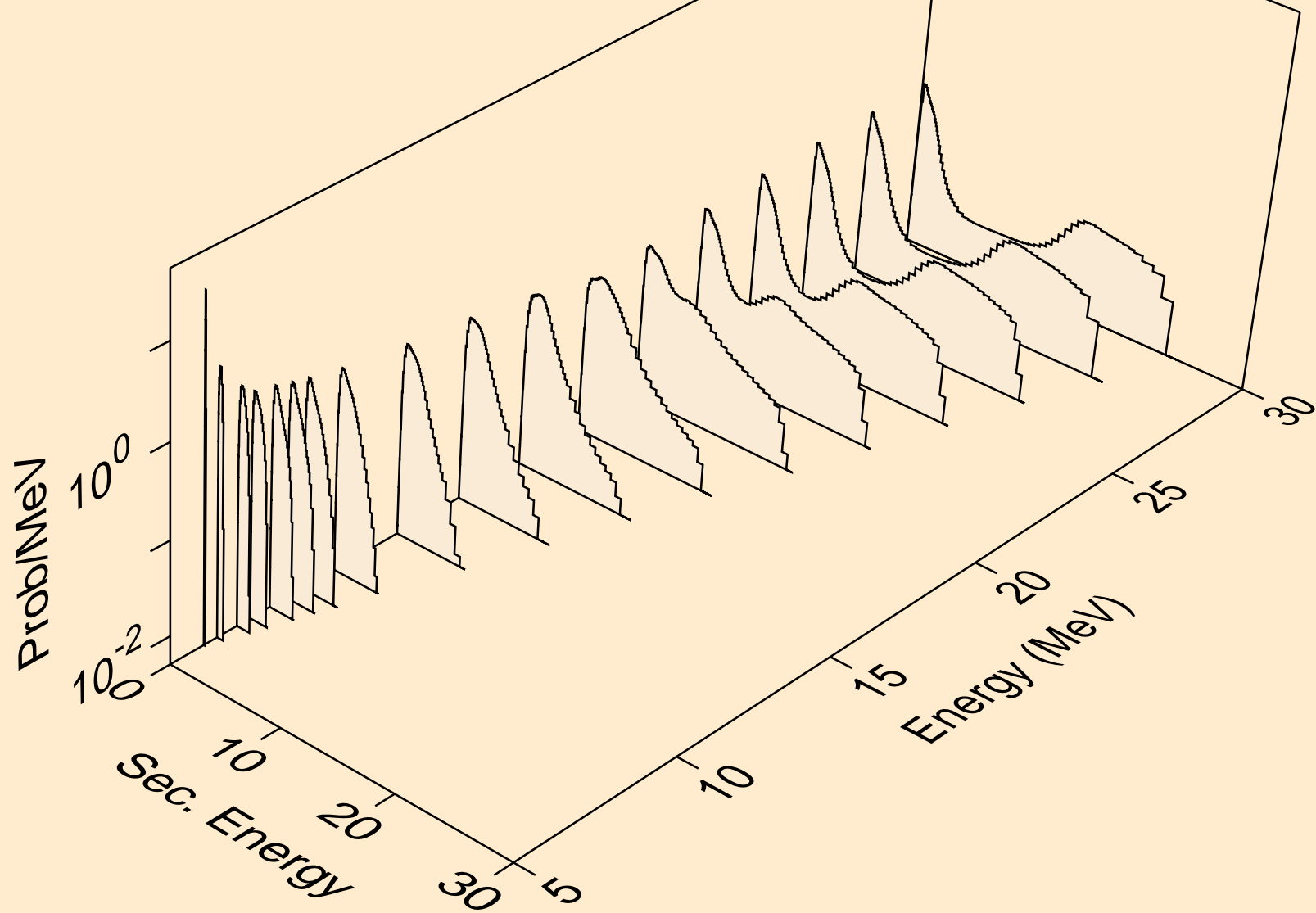




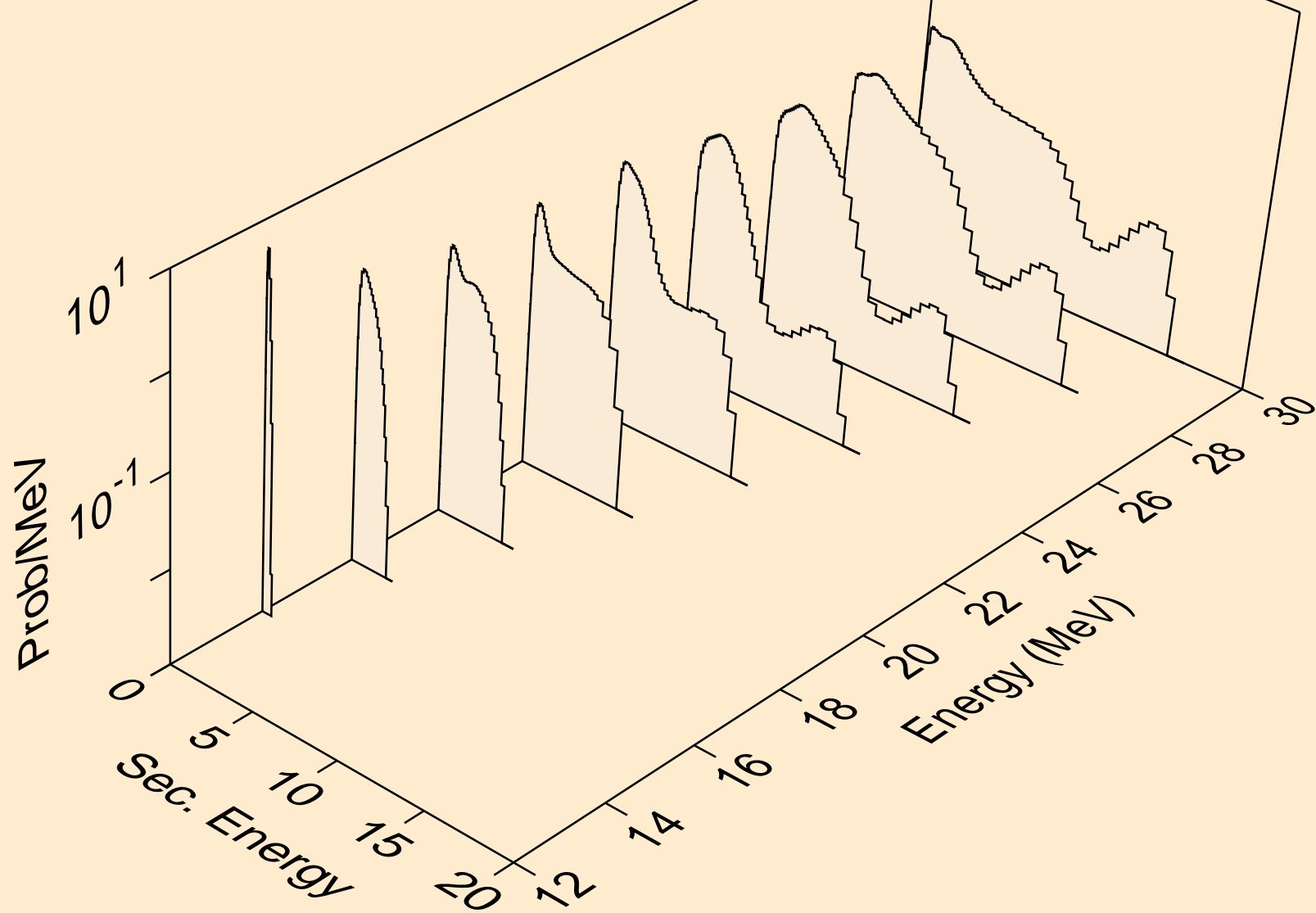
U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



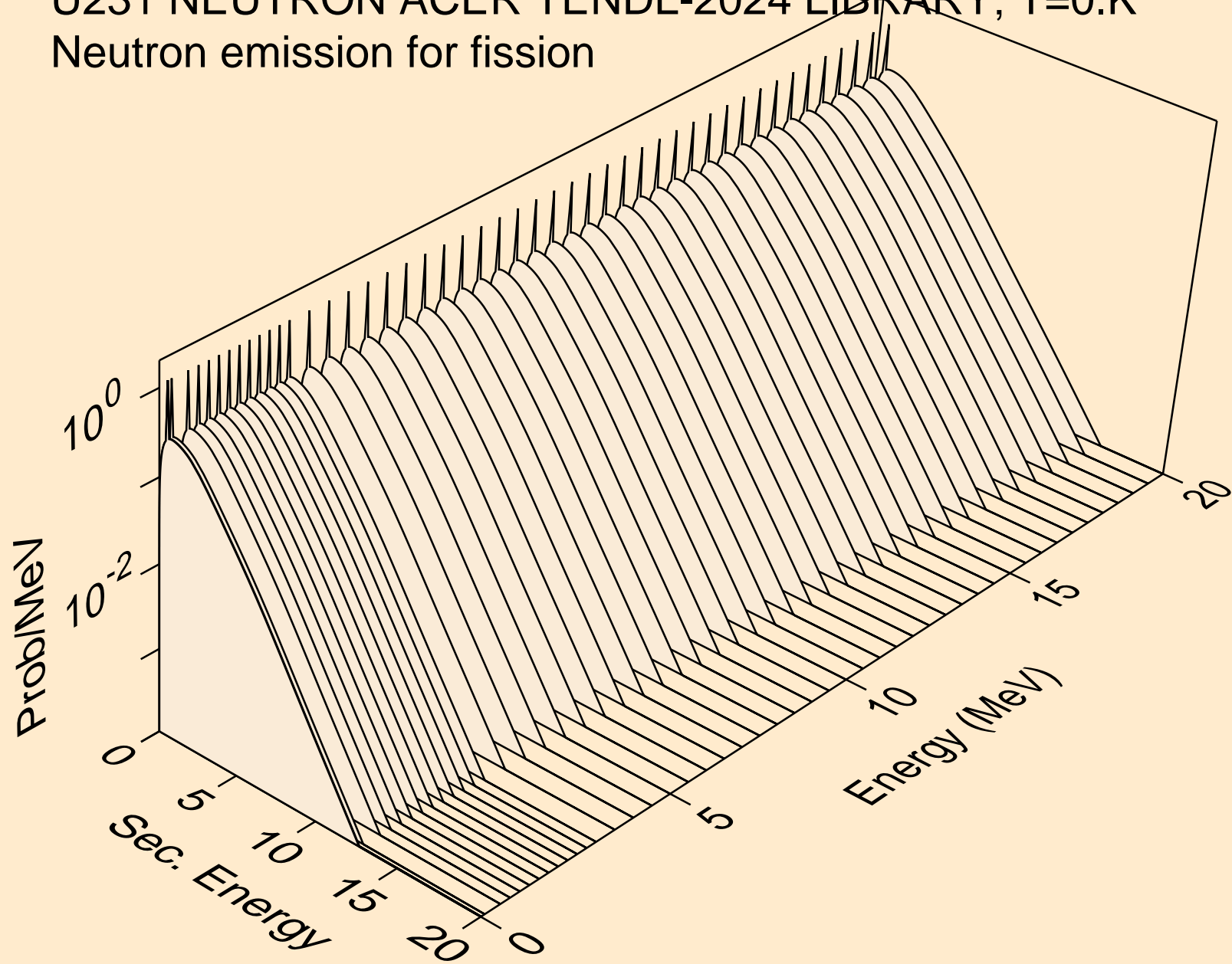
U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)



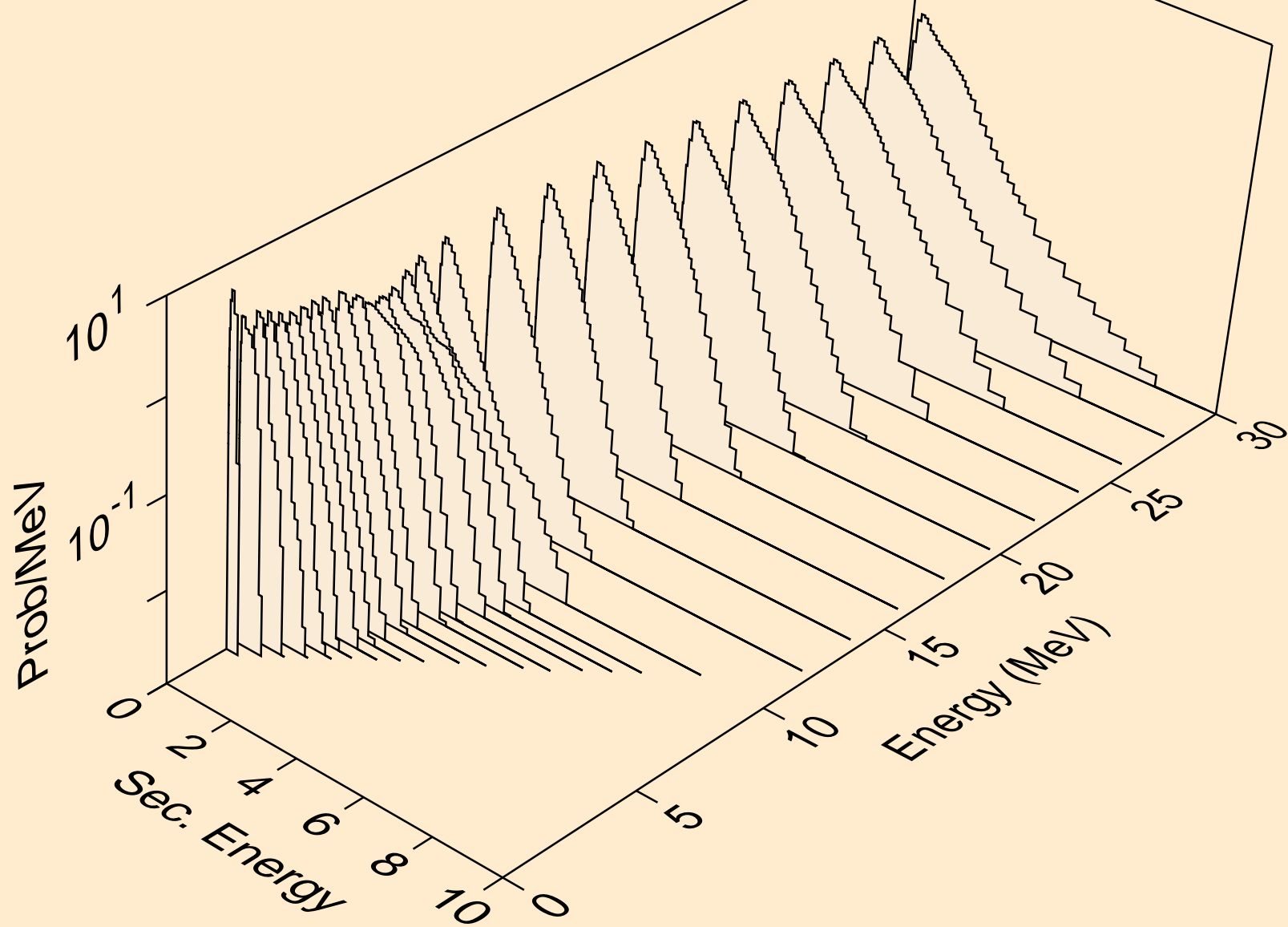
U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)



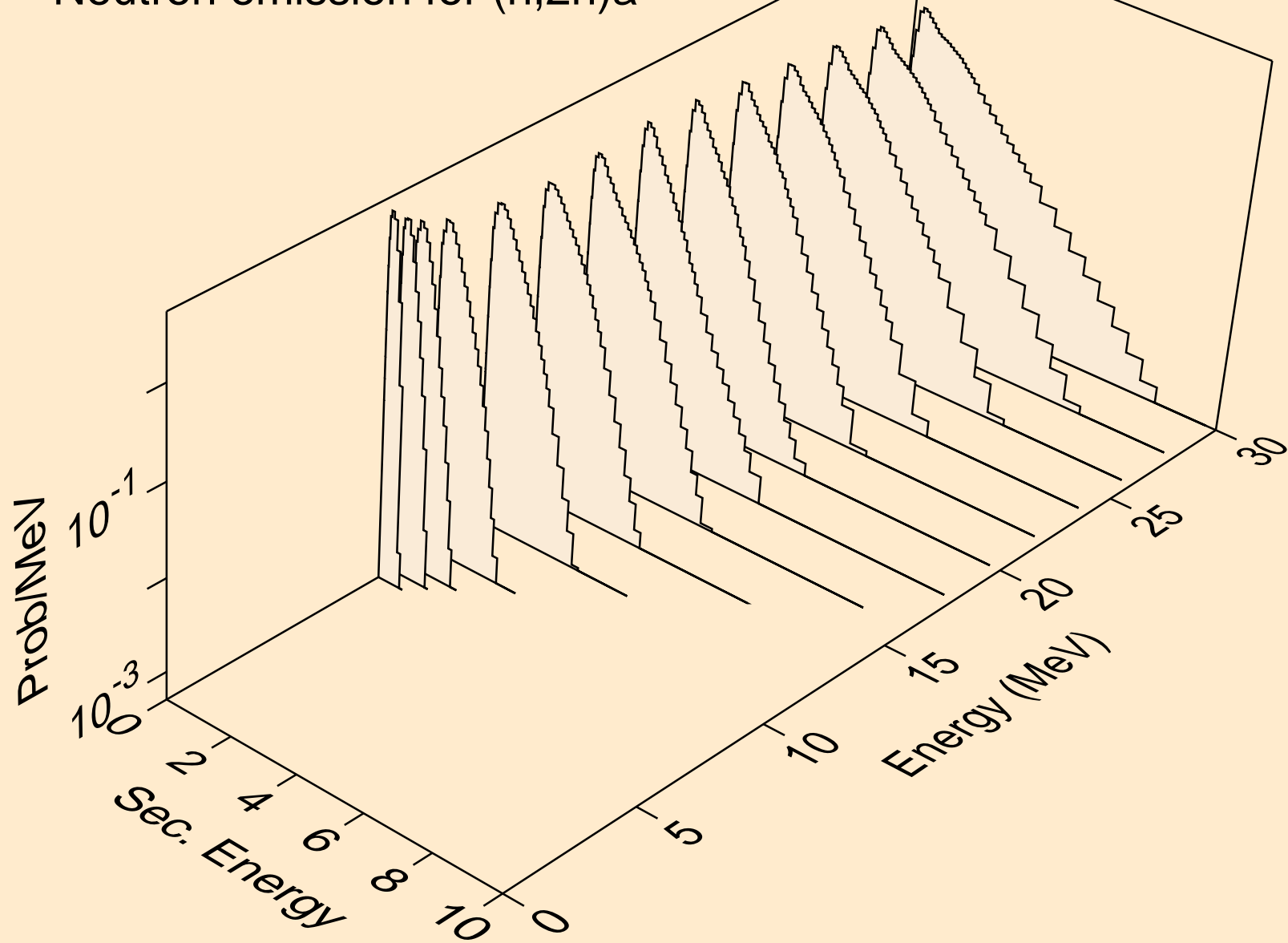
U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for fission



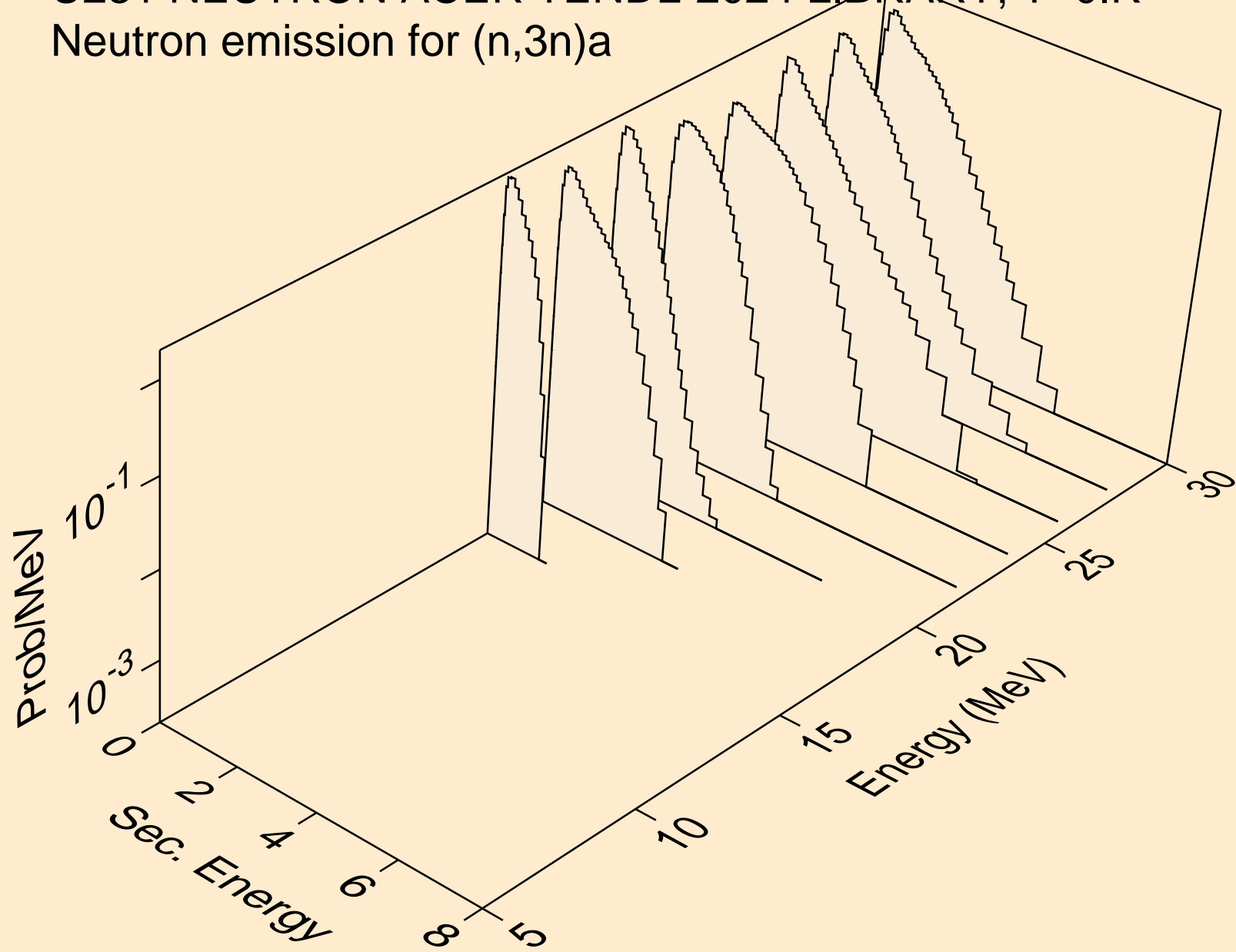
U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



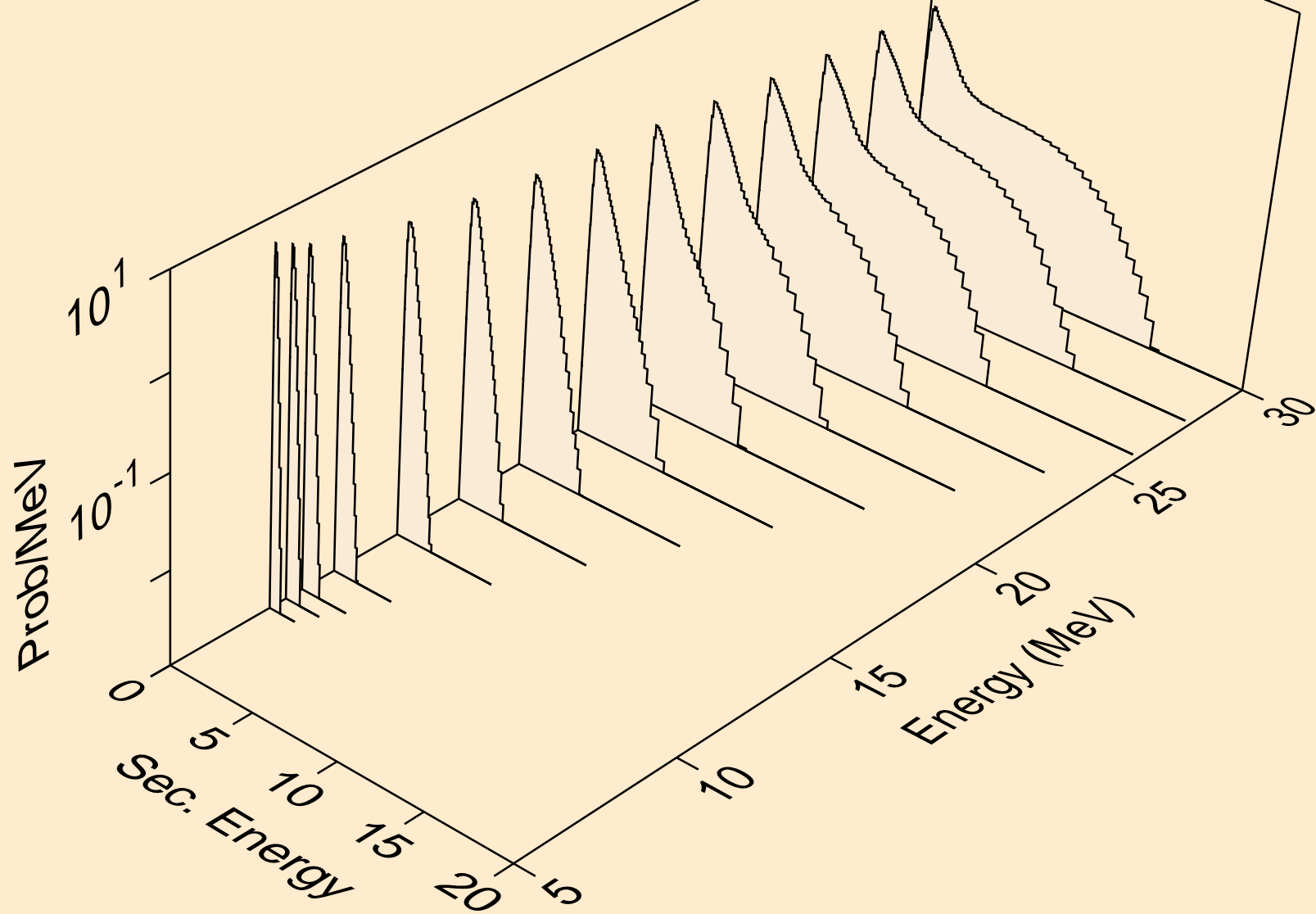
U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)a



U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)a

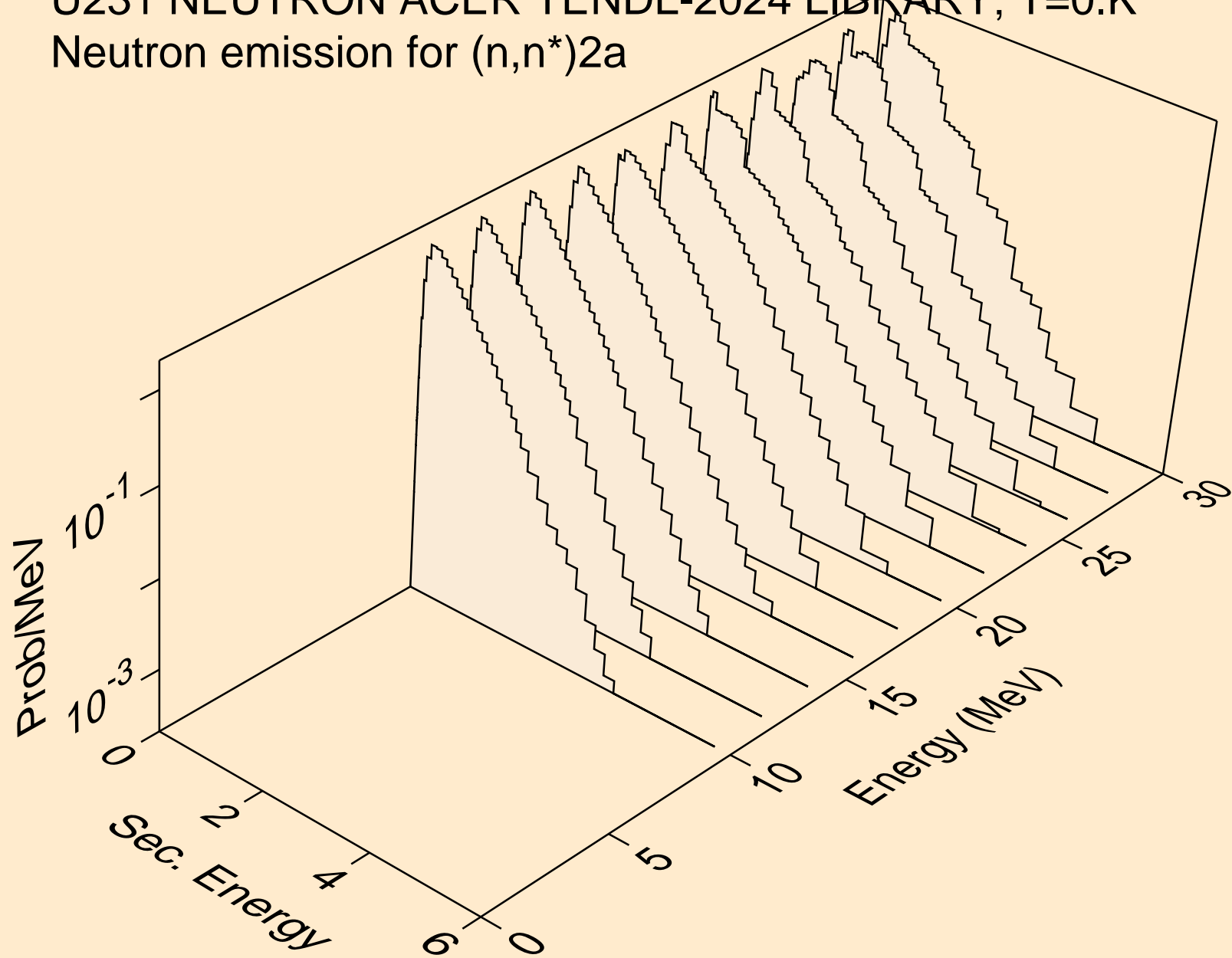


U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p

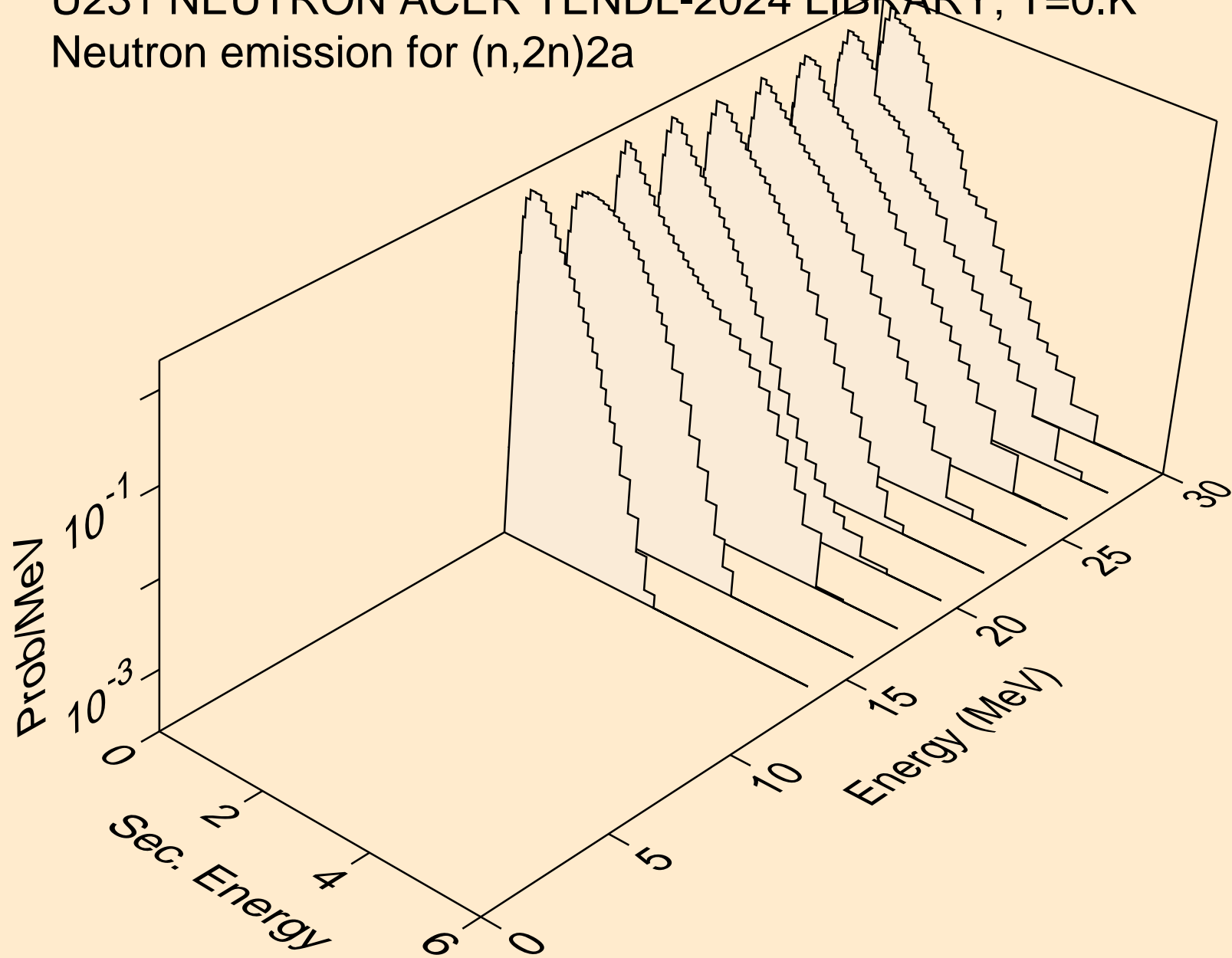




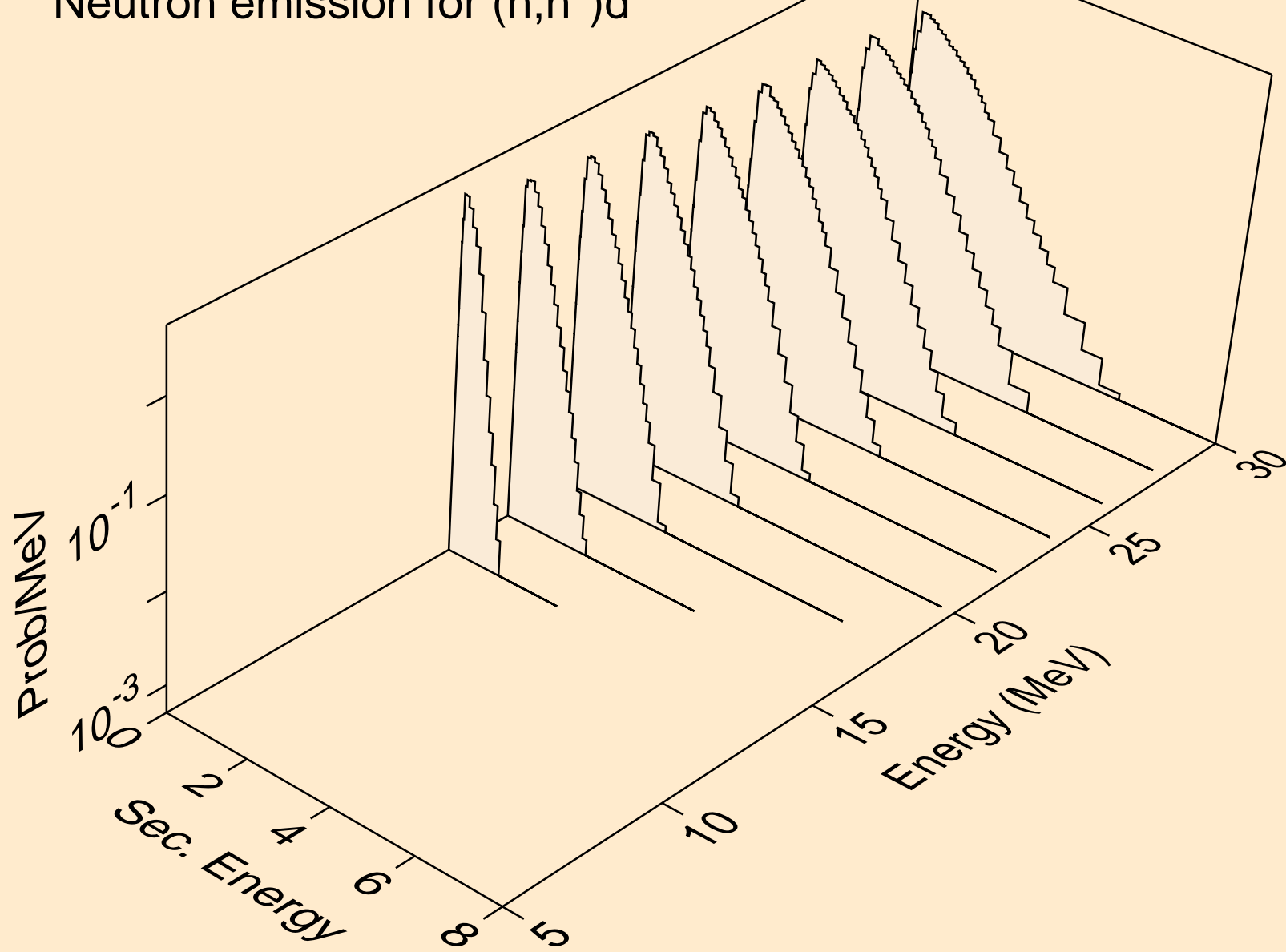
U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)2a



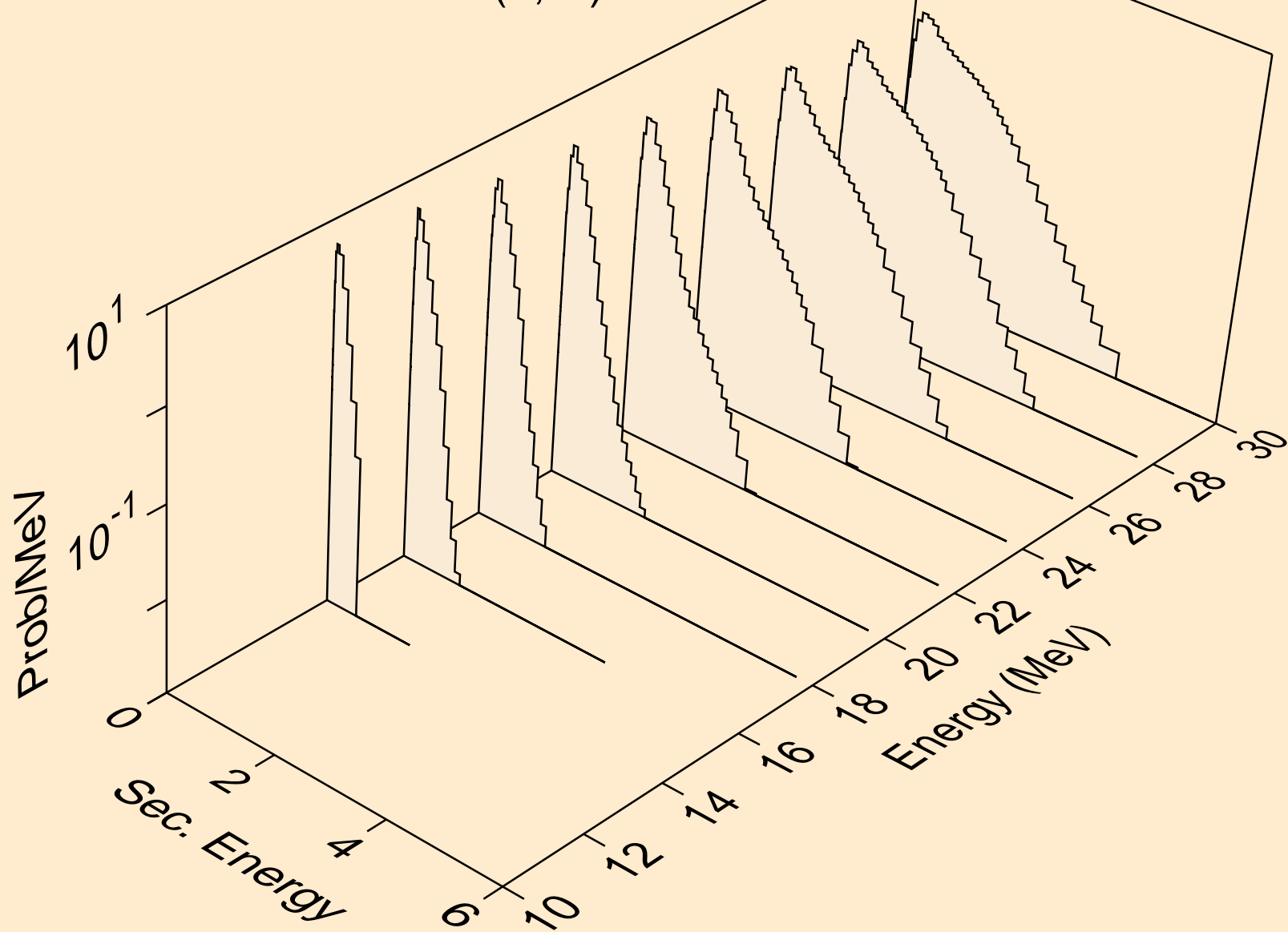
U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)2a



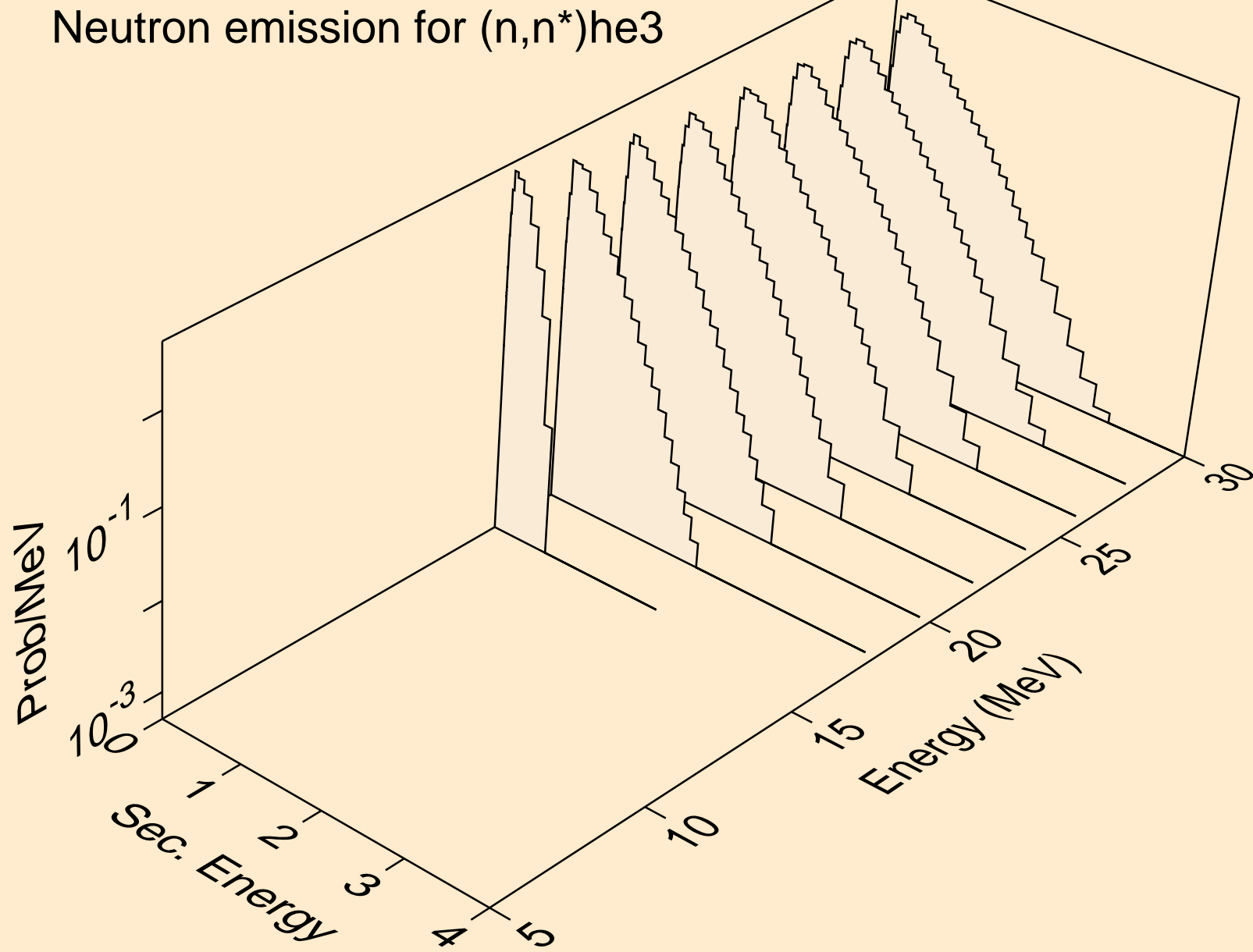
U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d



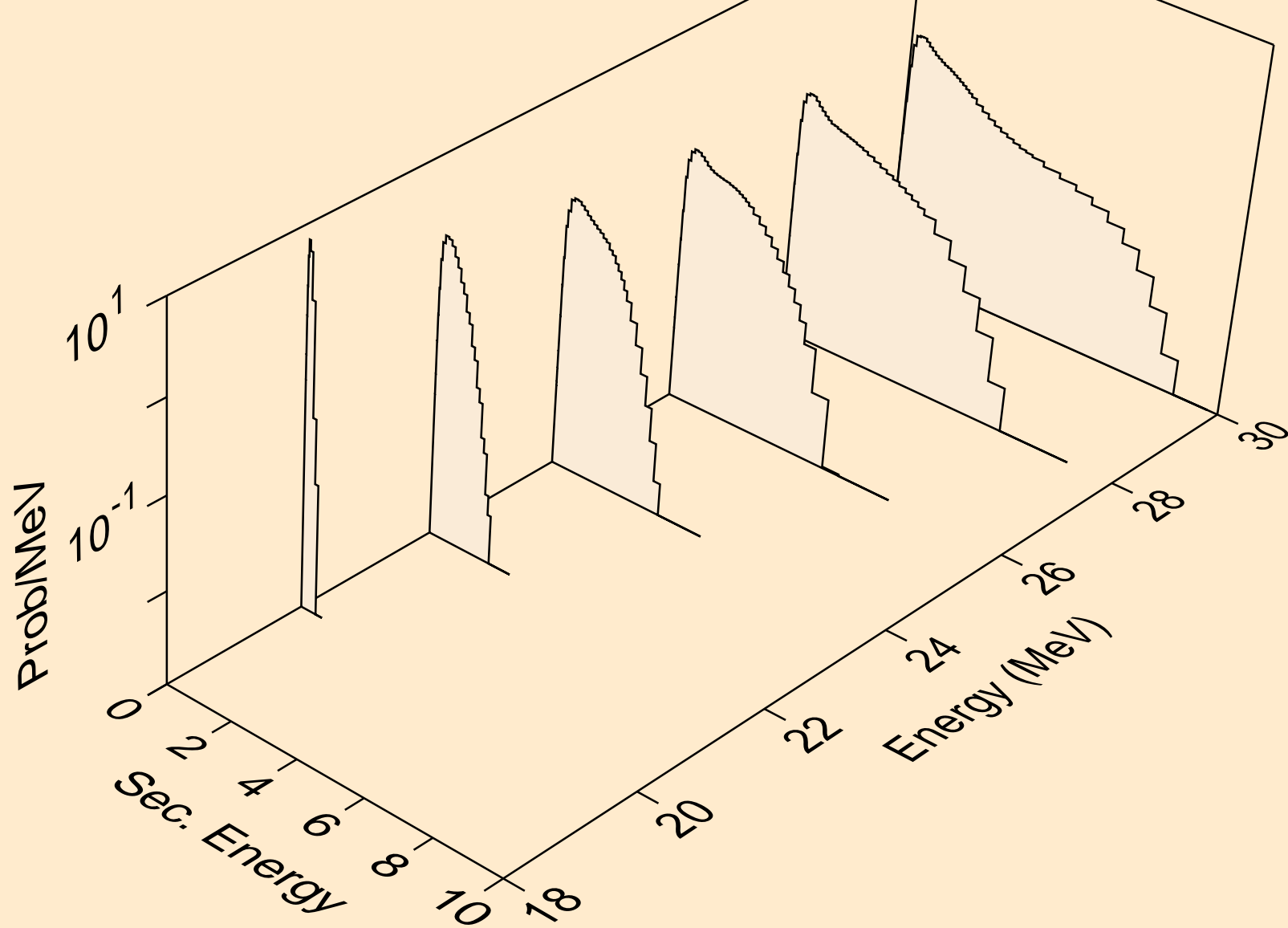
U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



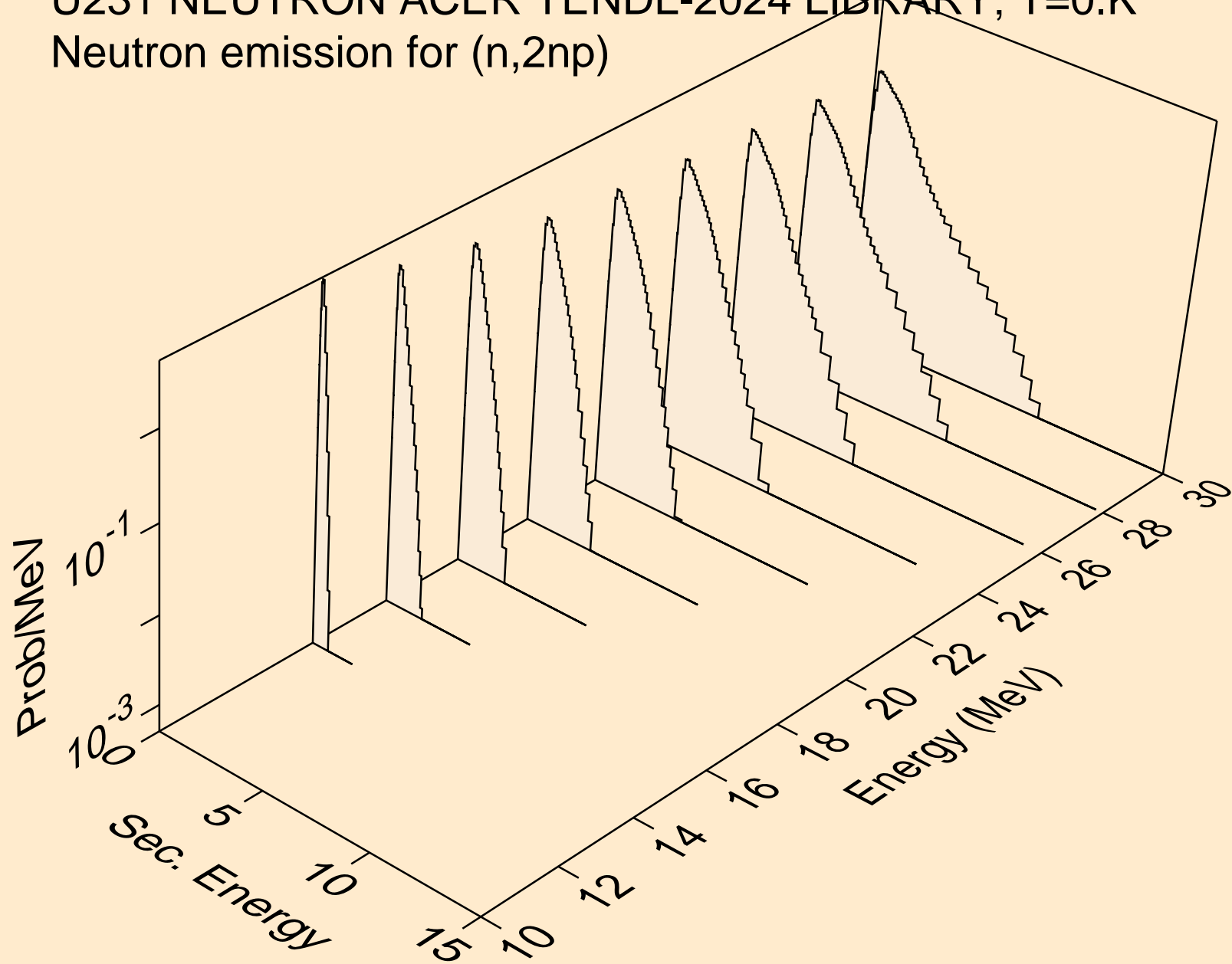
U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



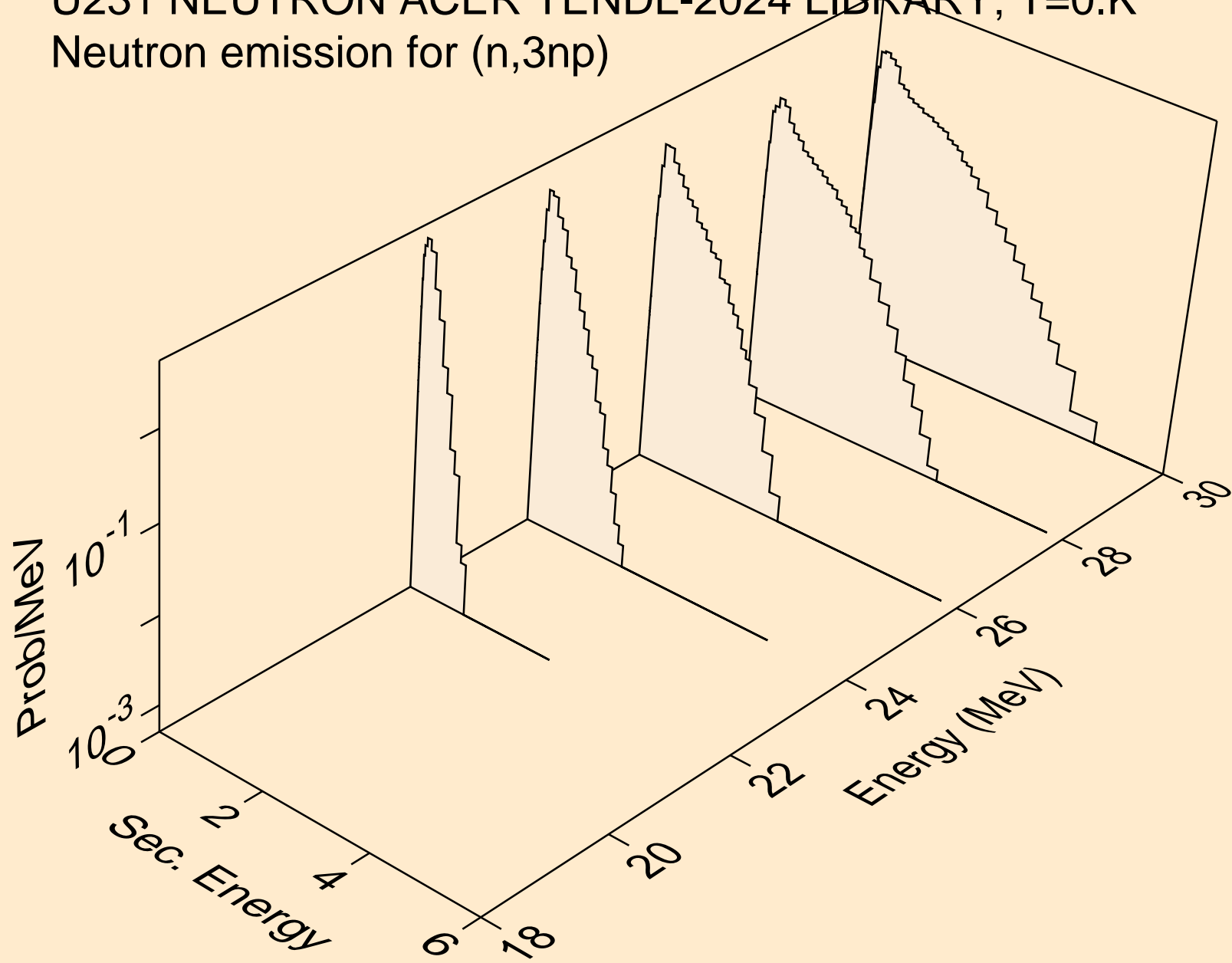
U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,4n)



U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2np)

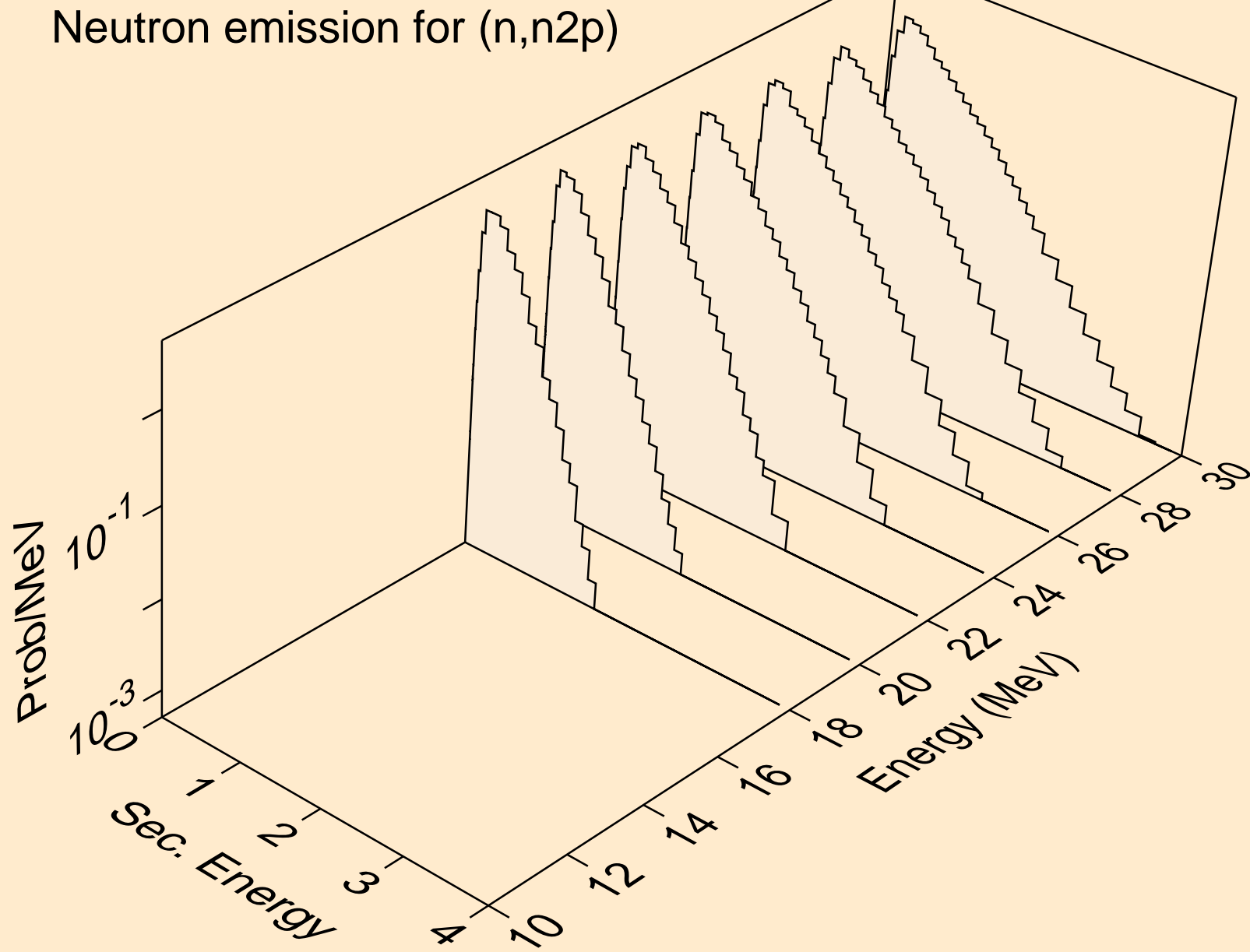


U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3np)

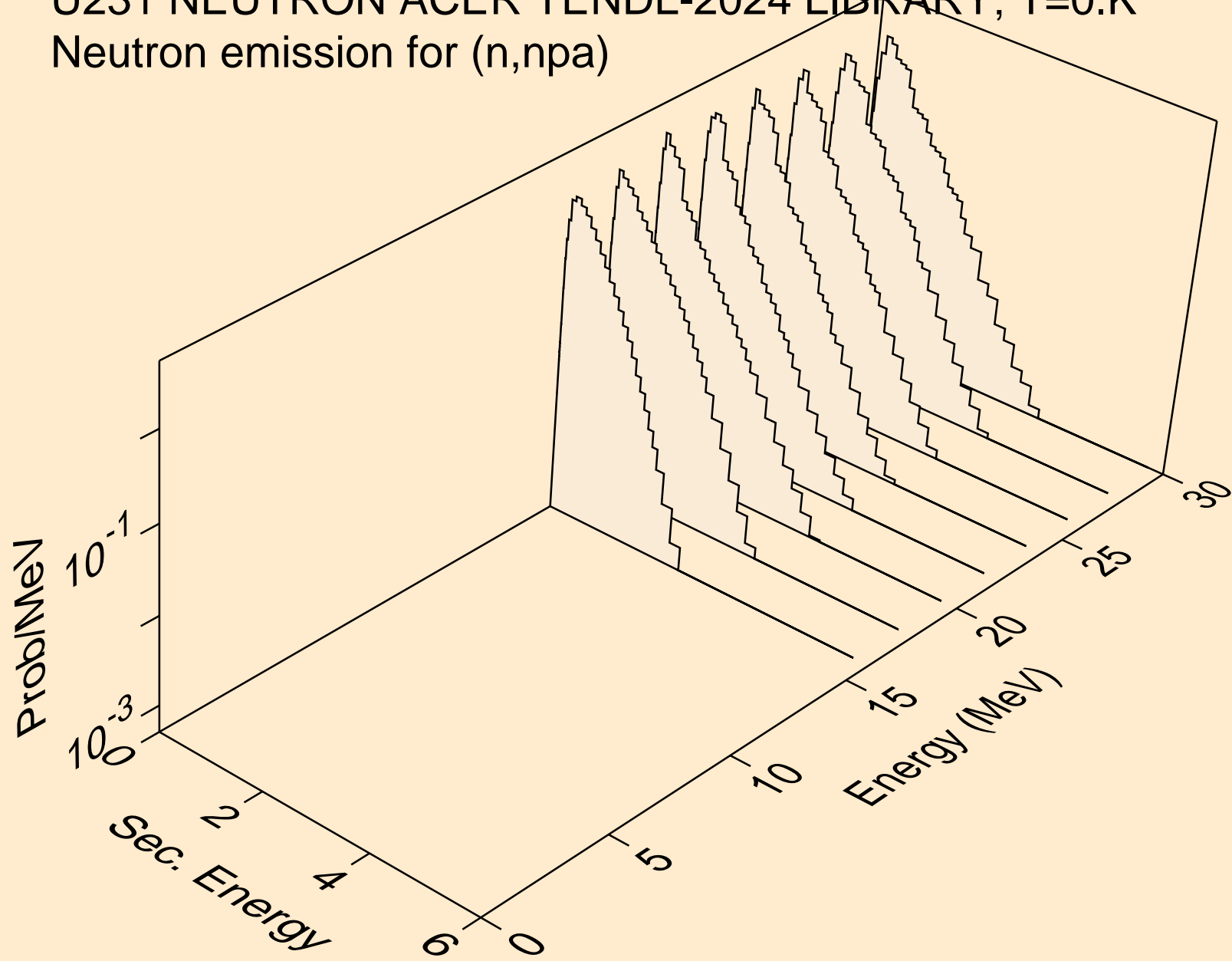




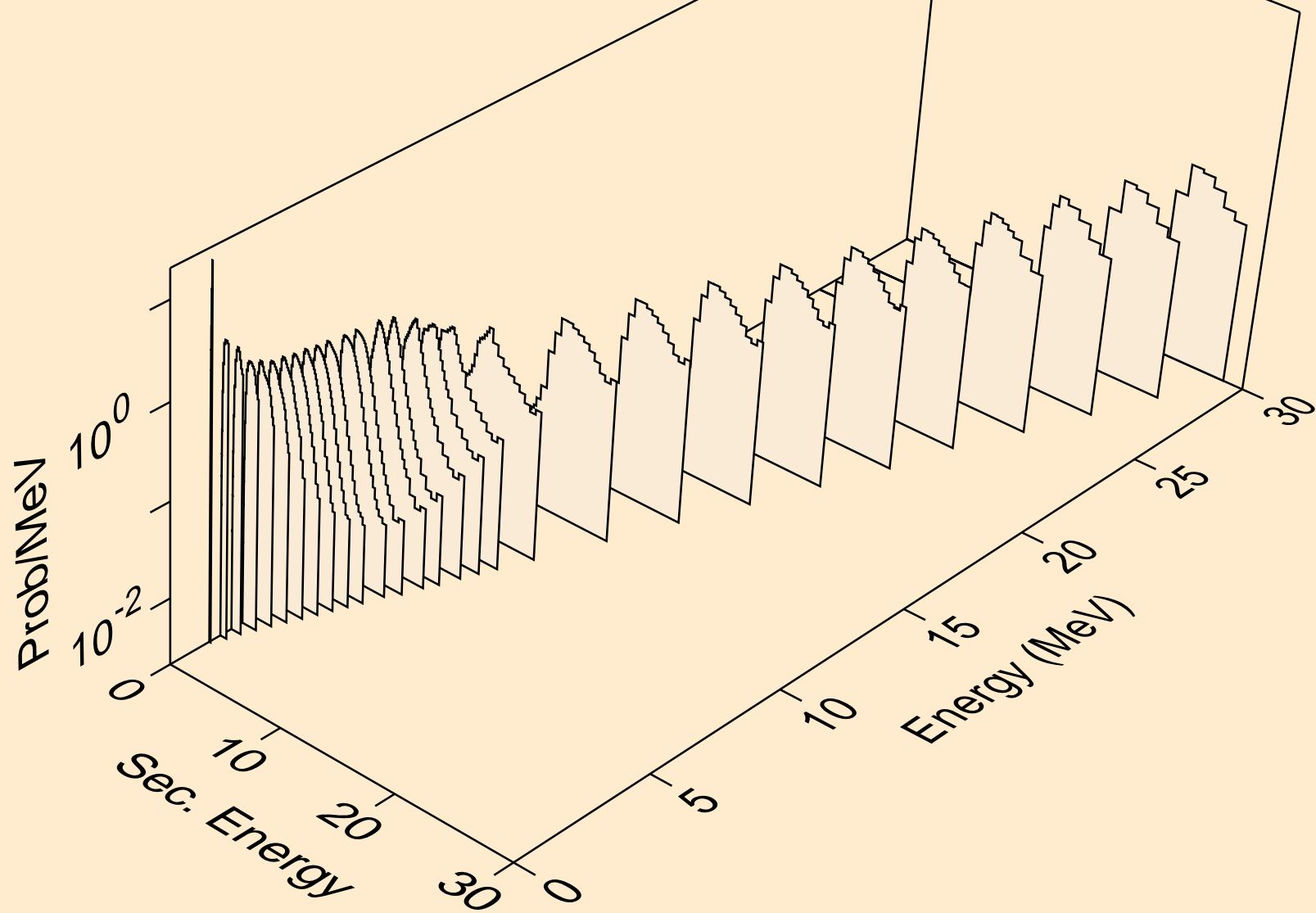
U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n2p)



U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,npa)

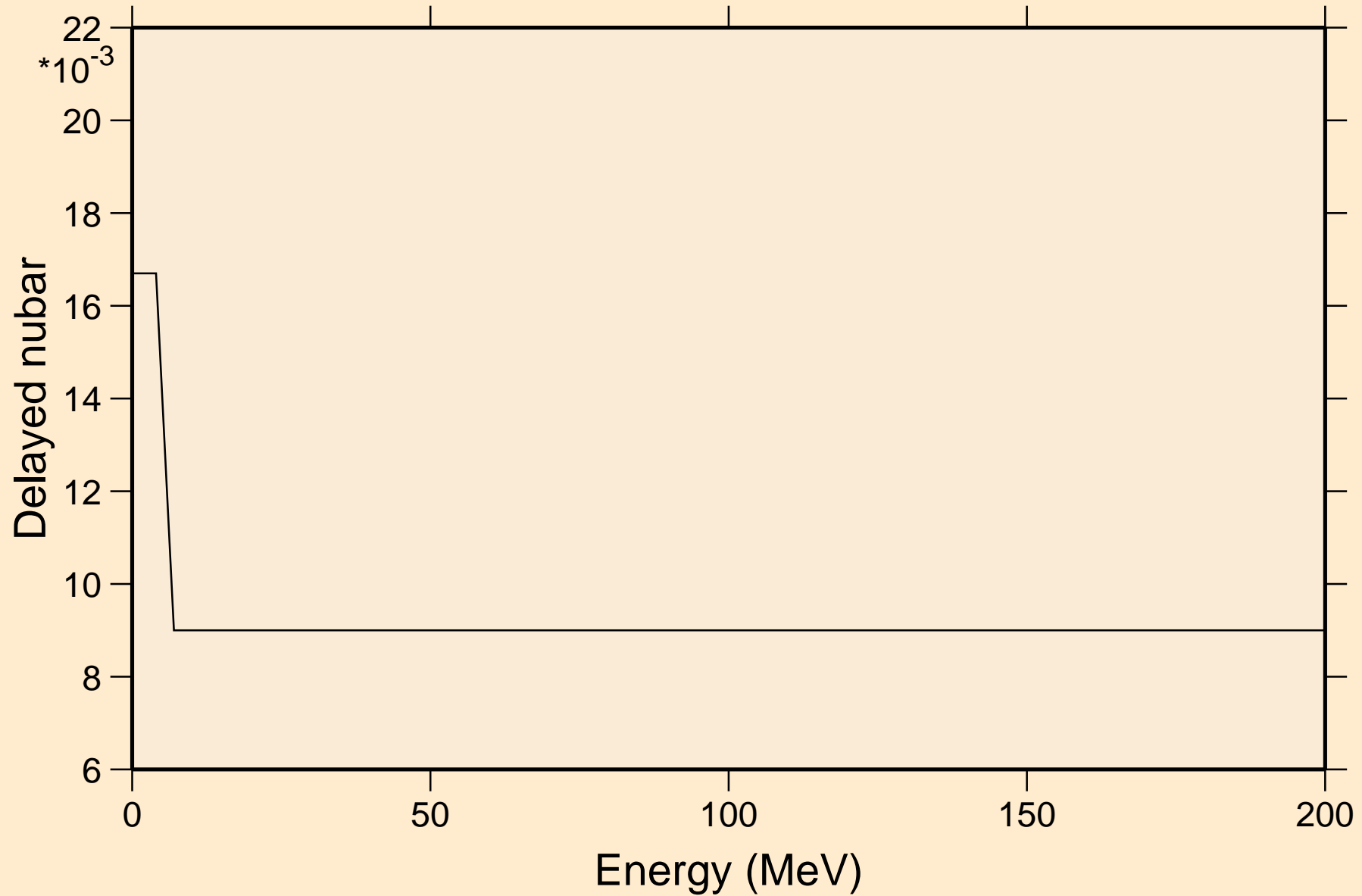


U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)



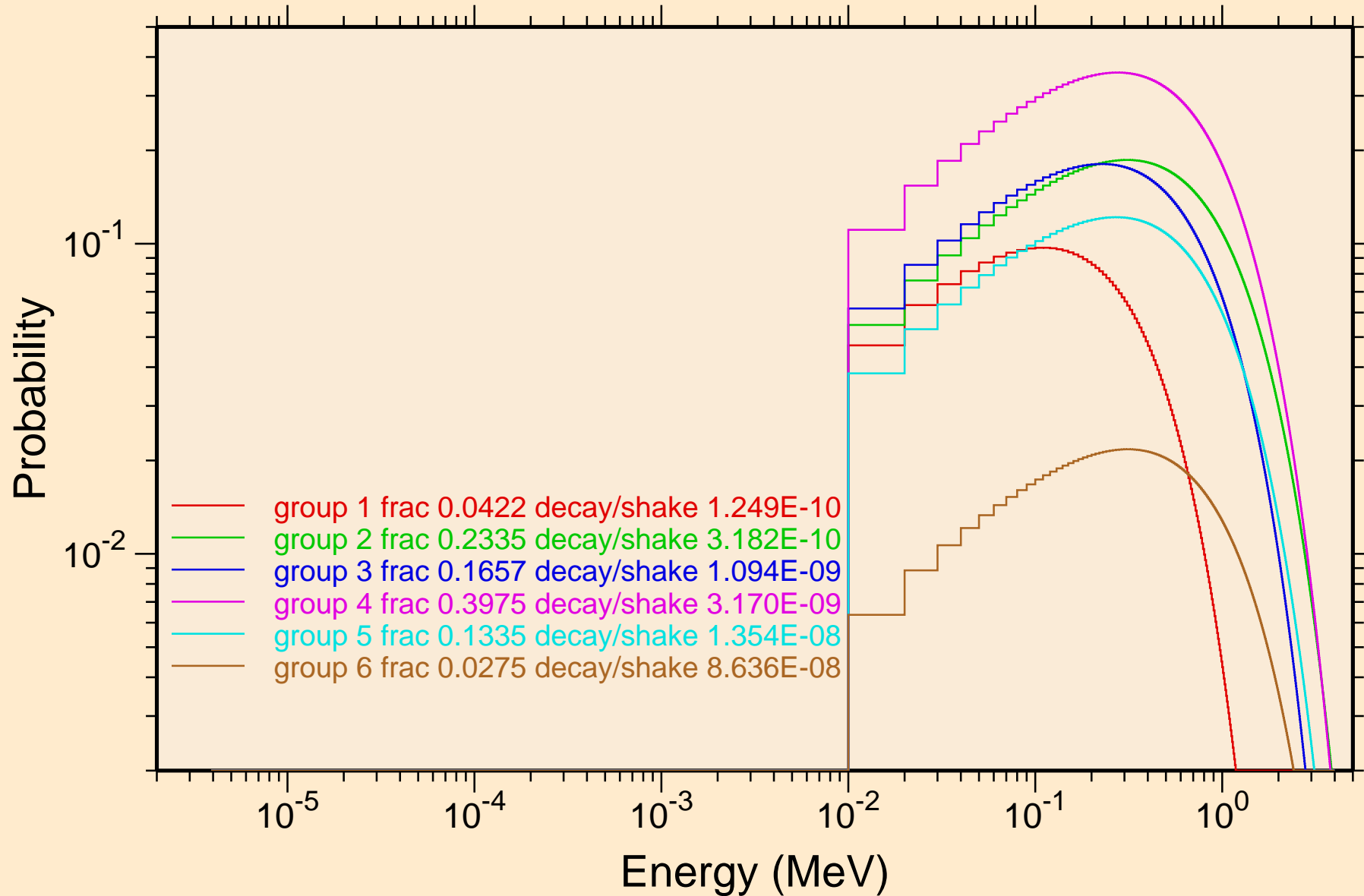
# U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Delayed nubar

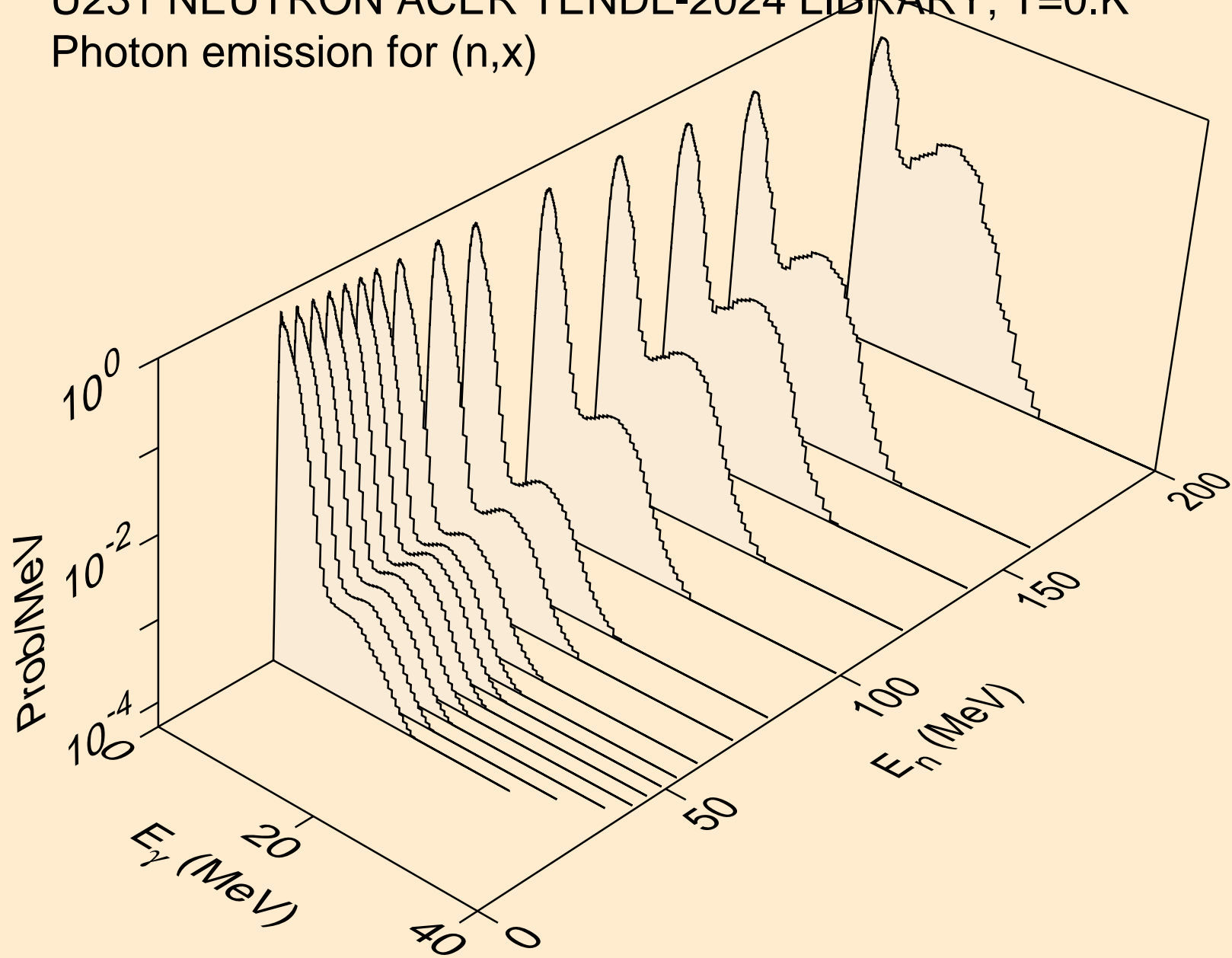


# U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

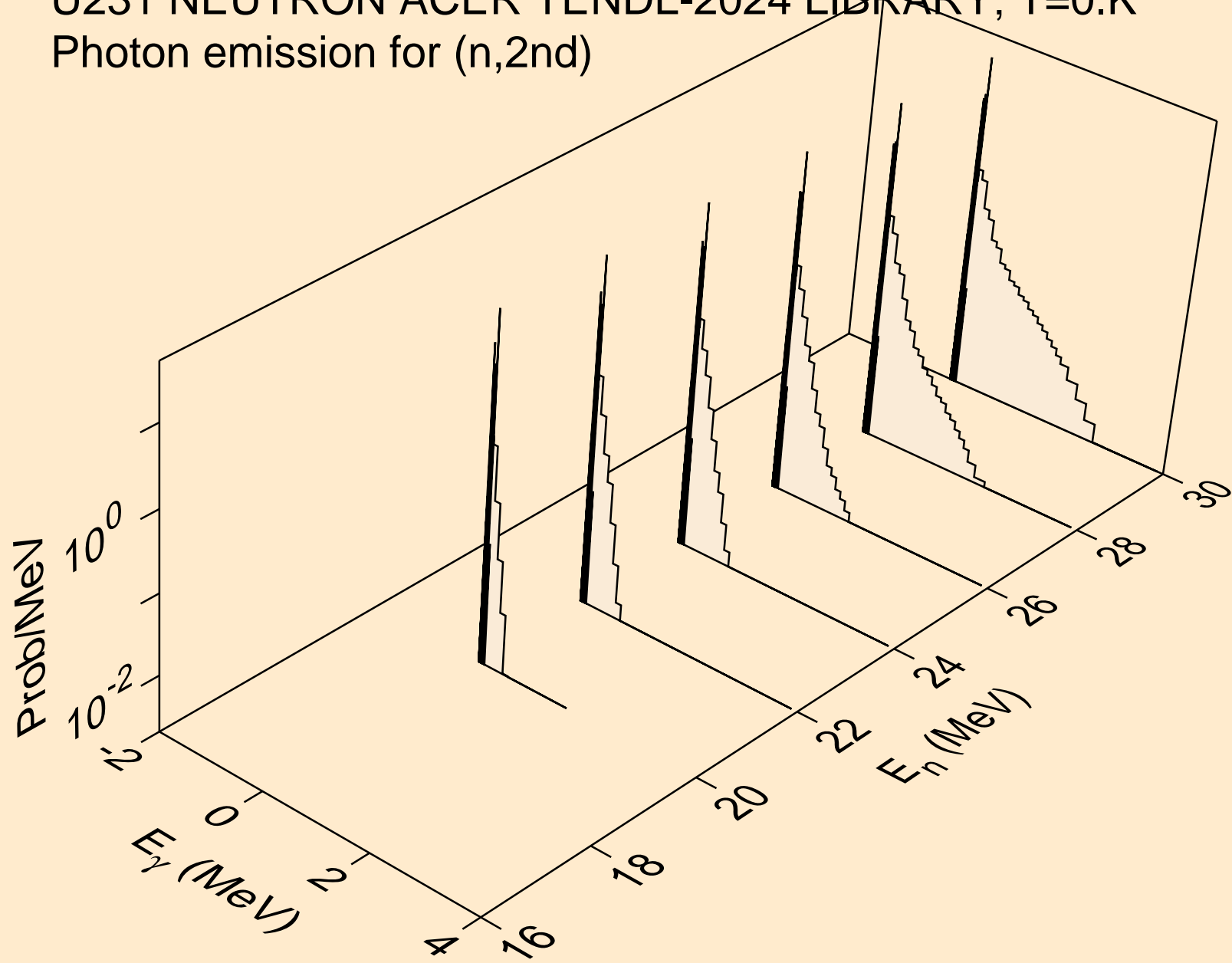
## Delayed neutron spectra



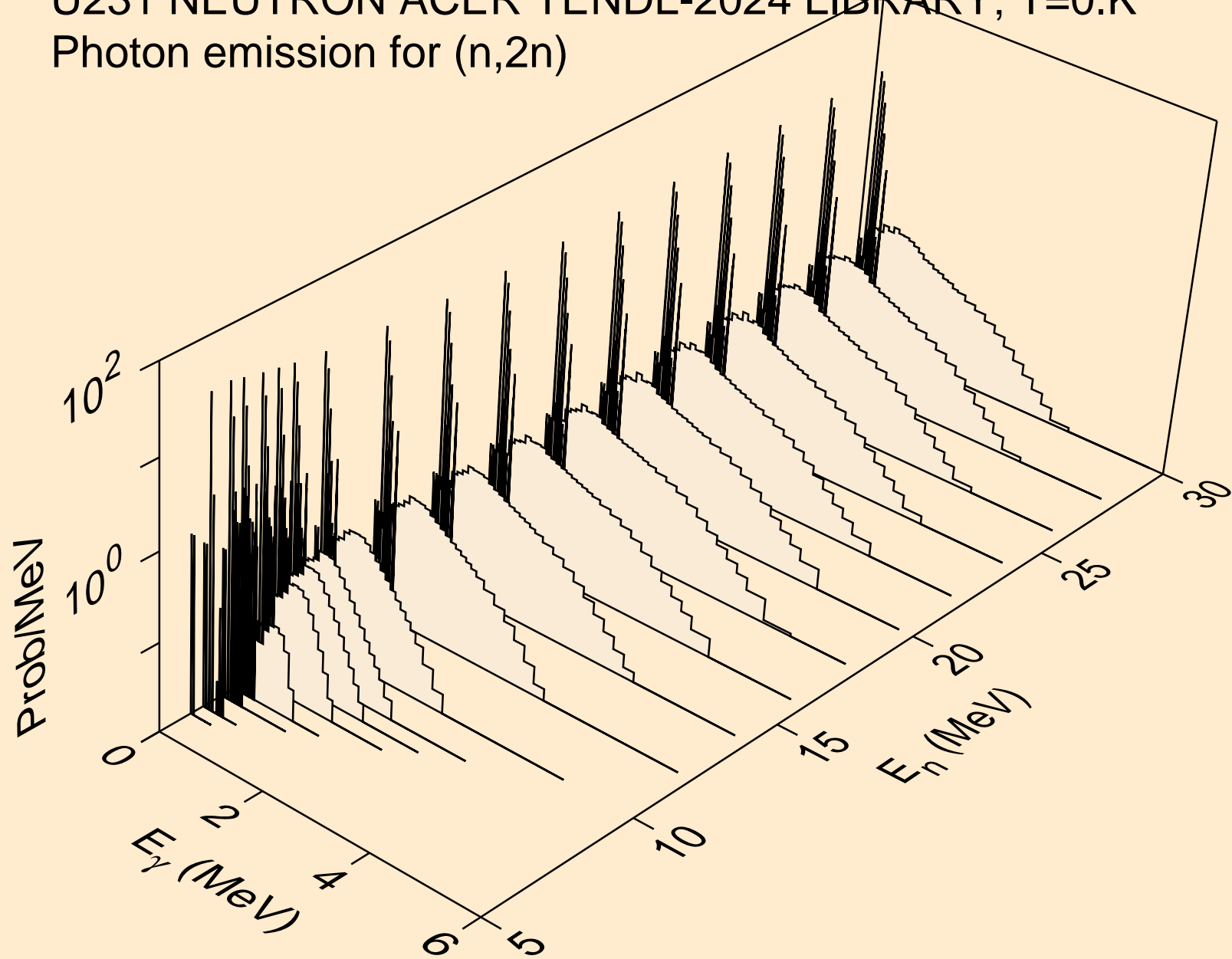
U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,x)



U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2nd)

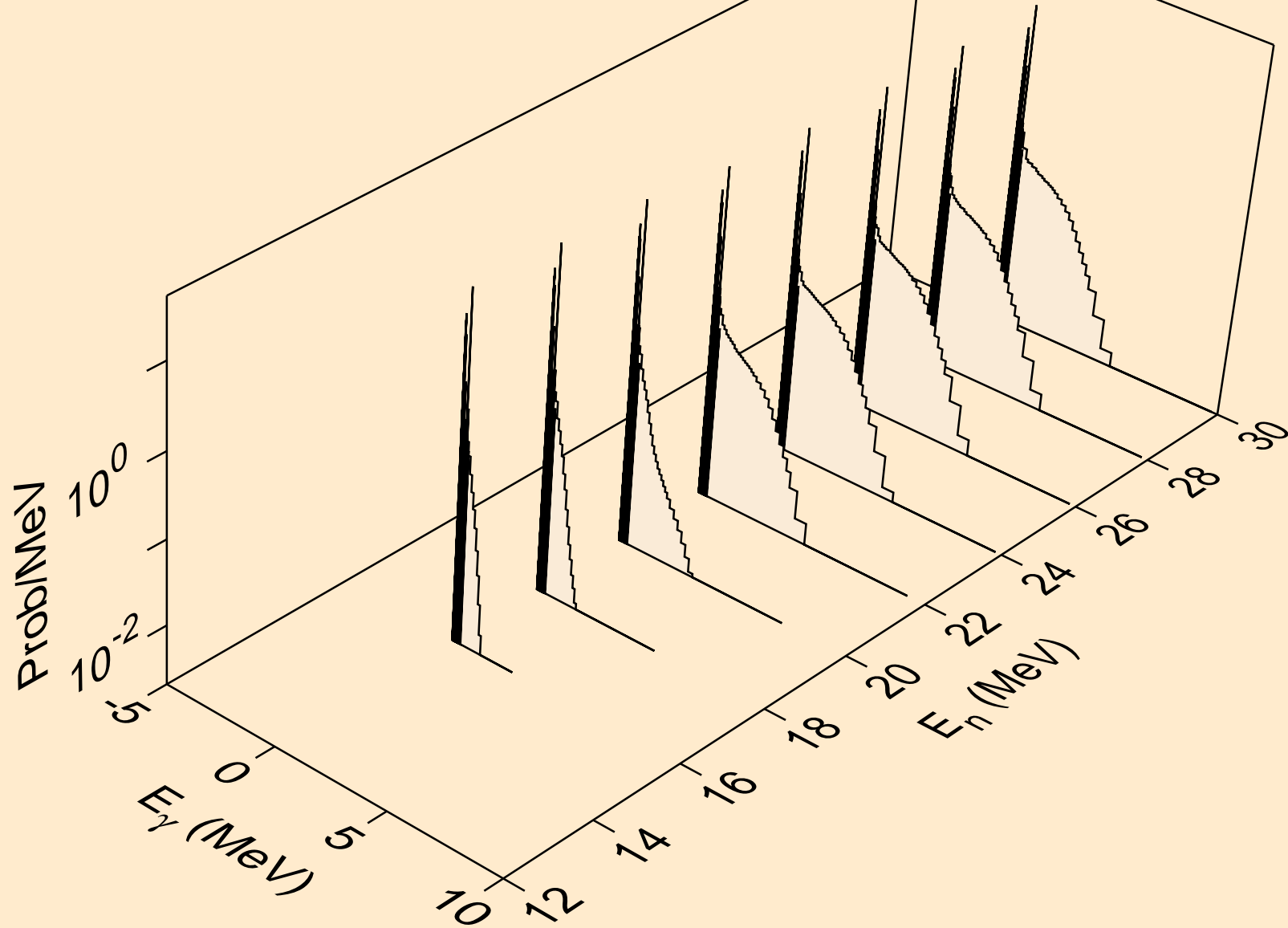


U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)

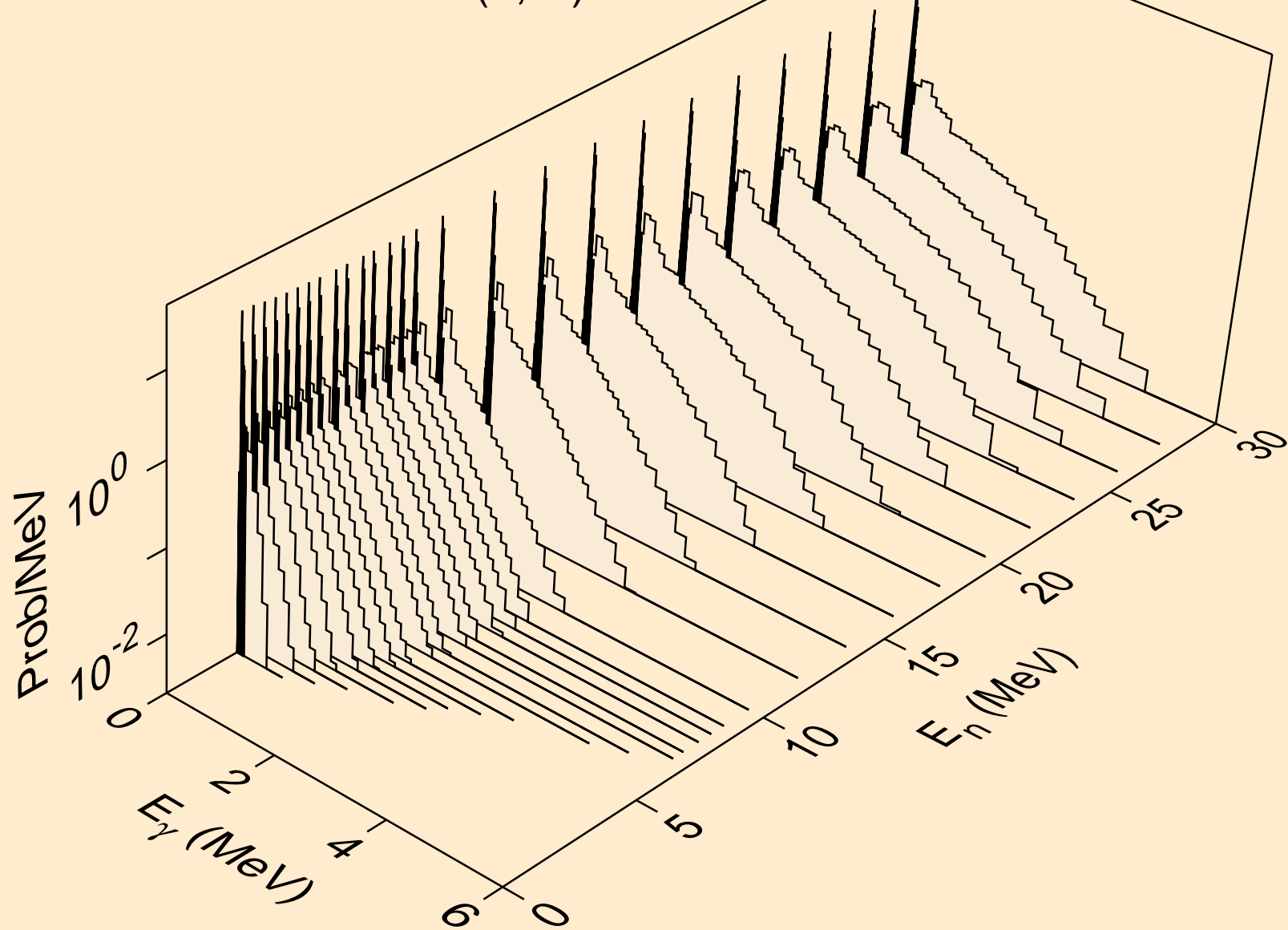




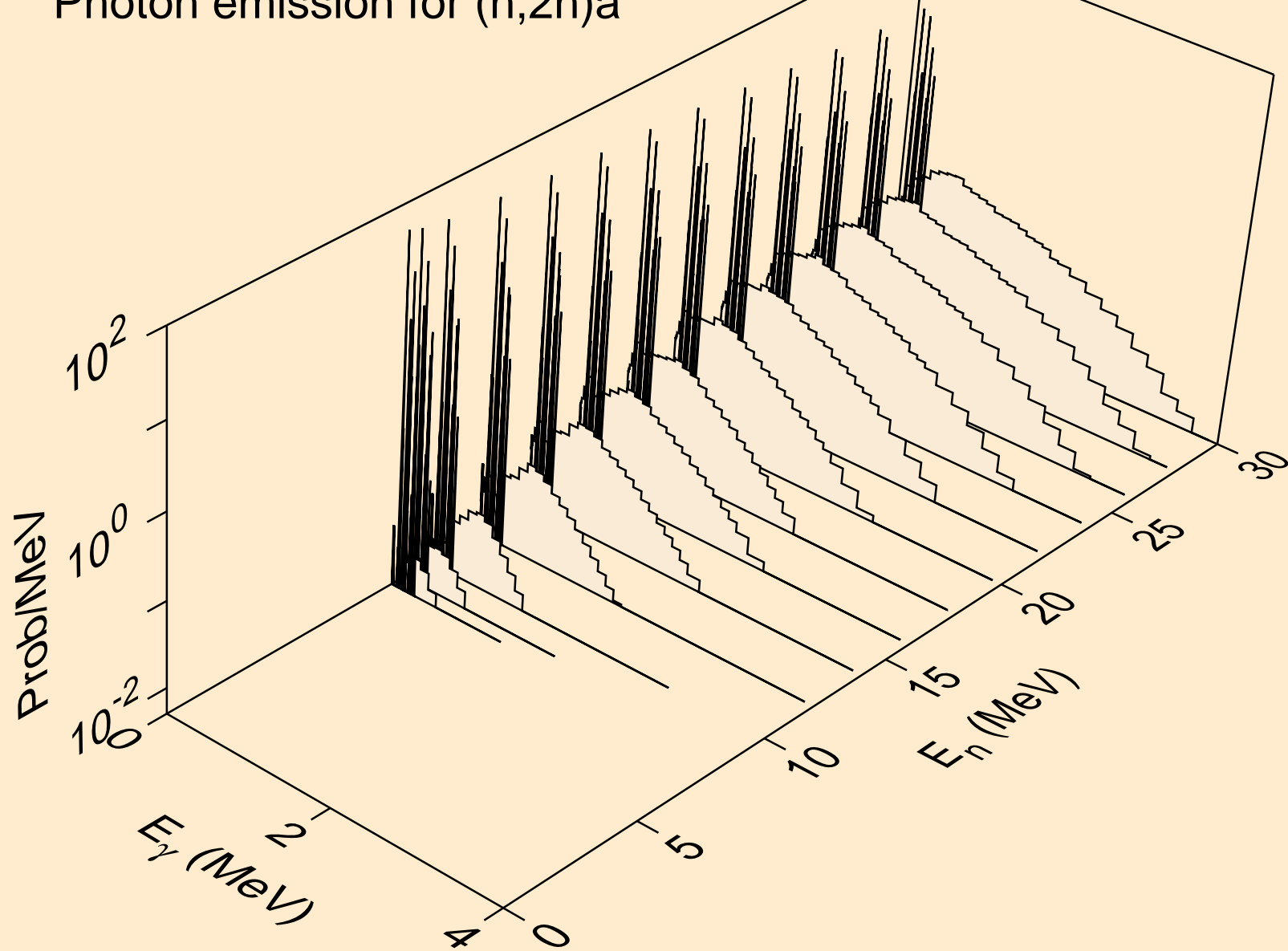
U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)



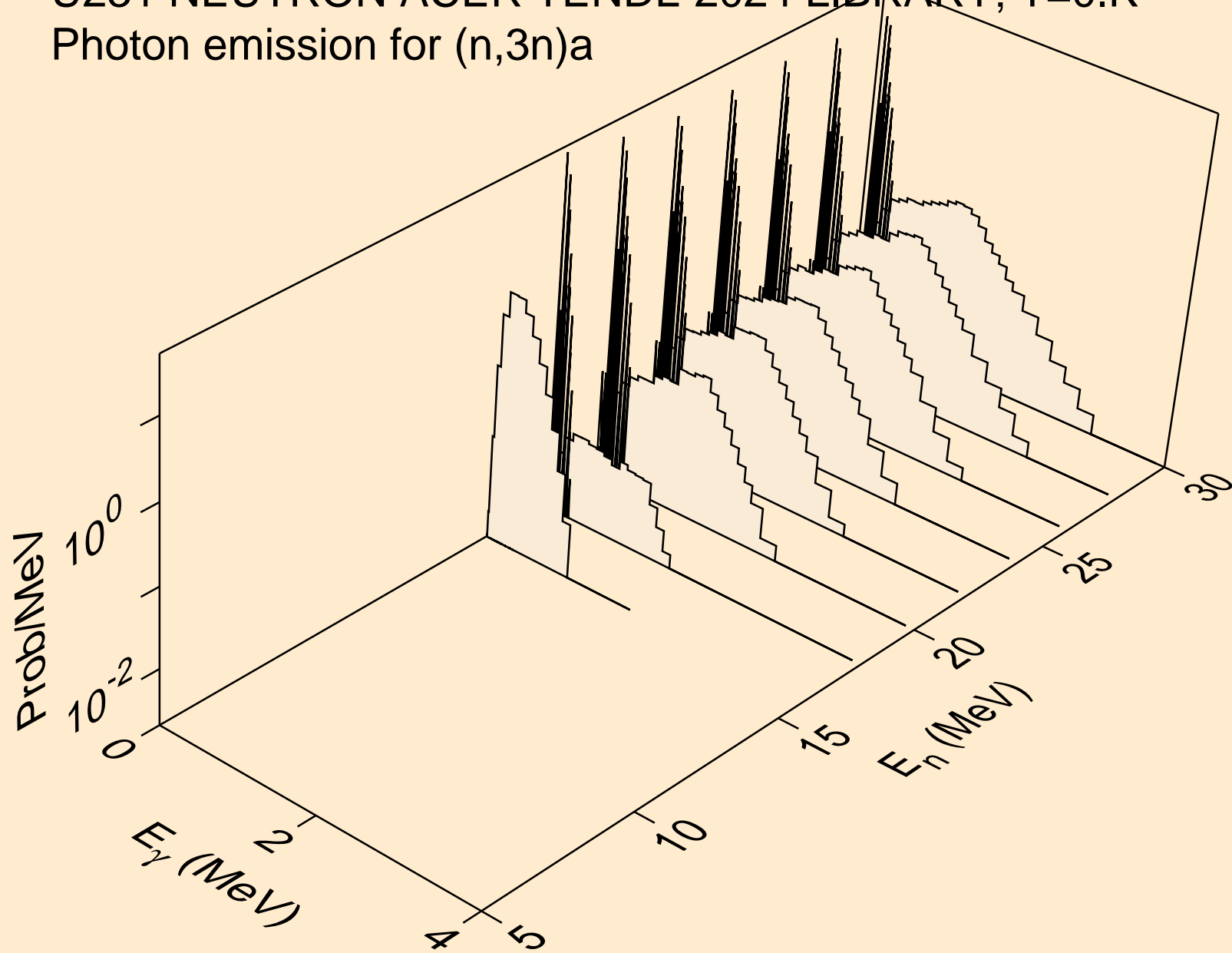
U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



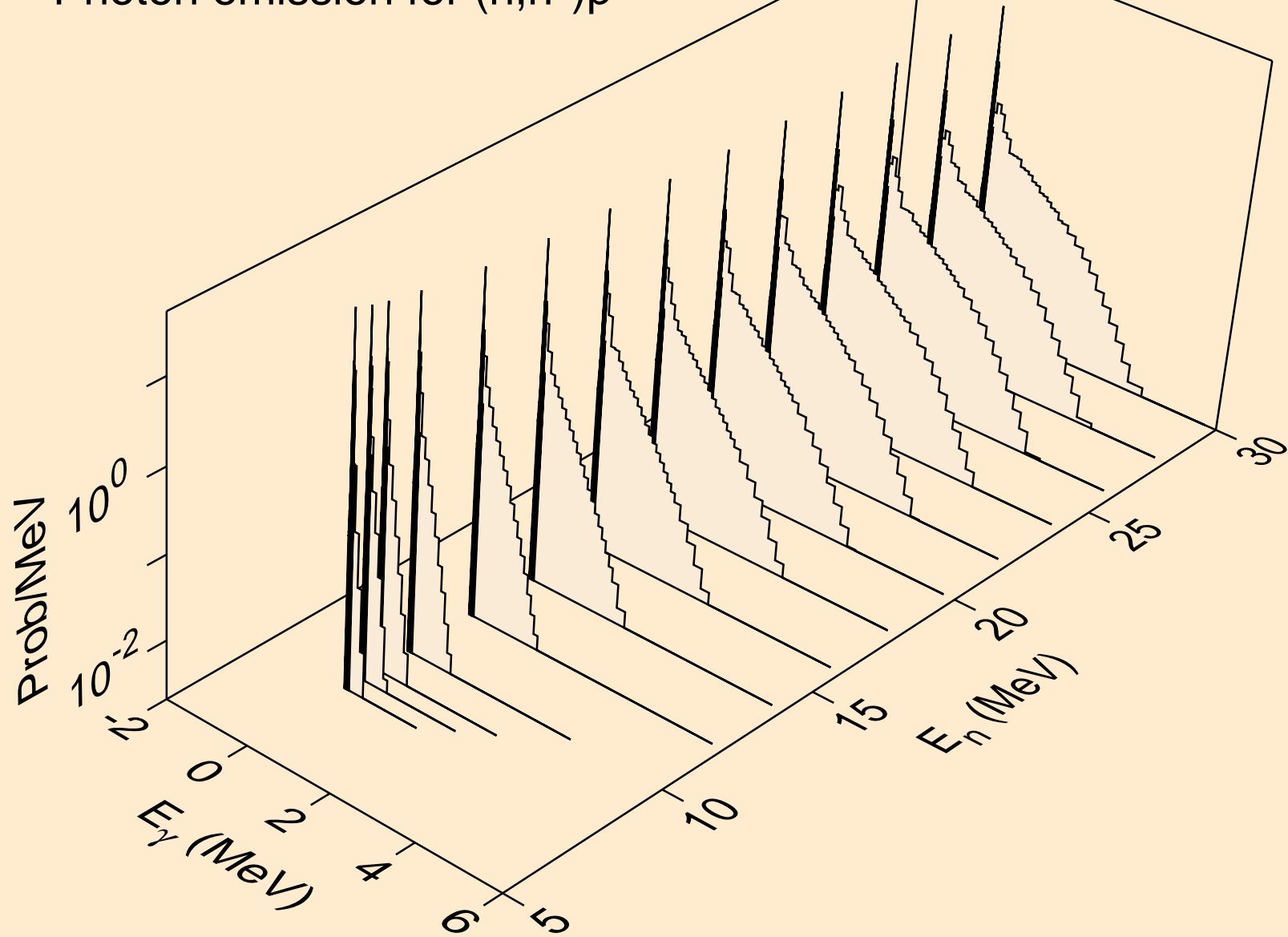
U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)a



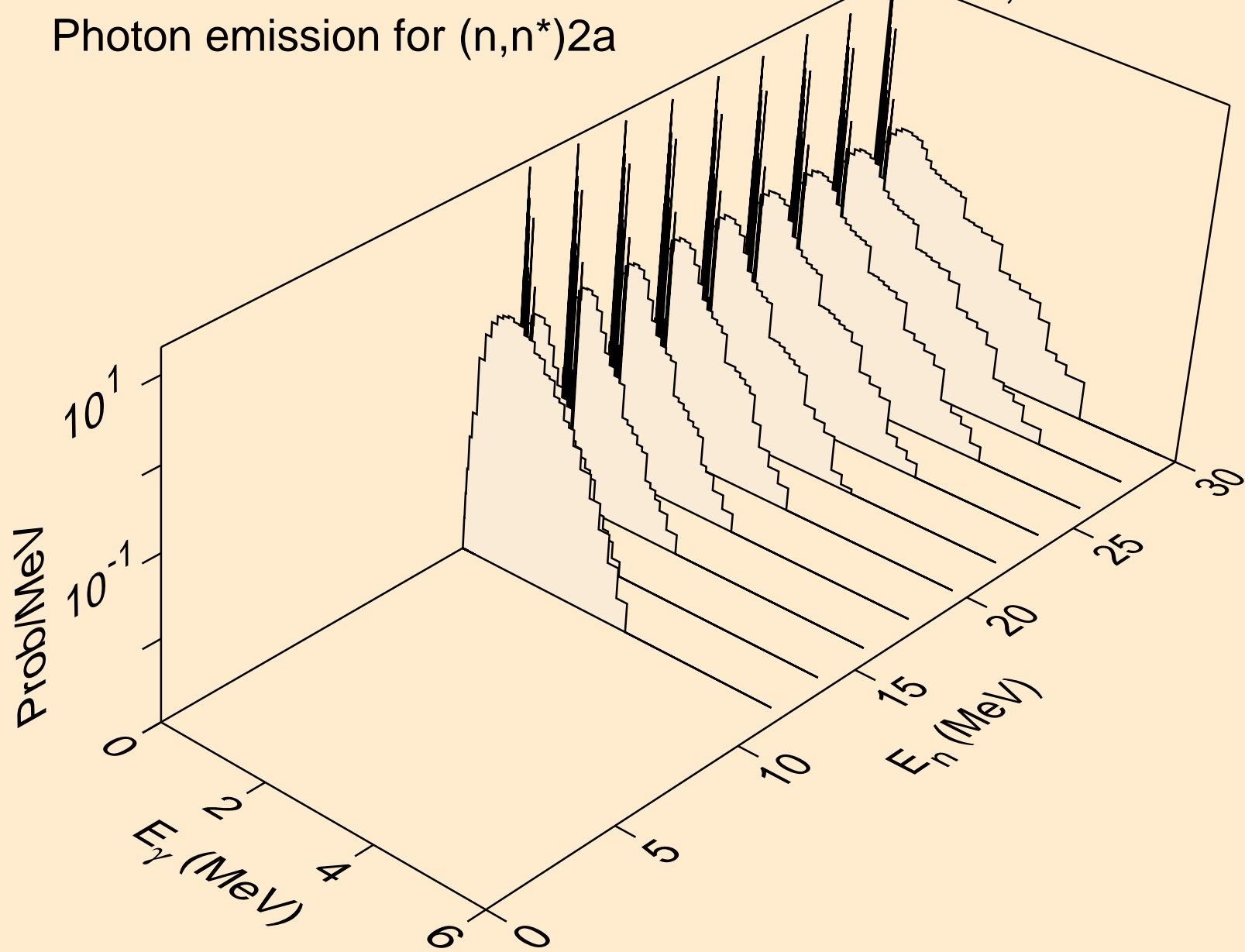
U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)a



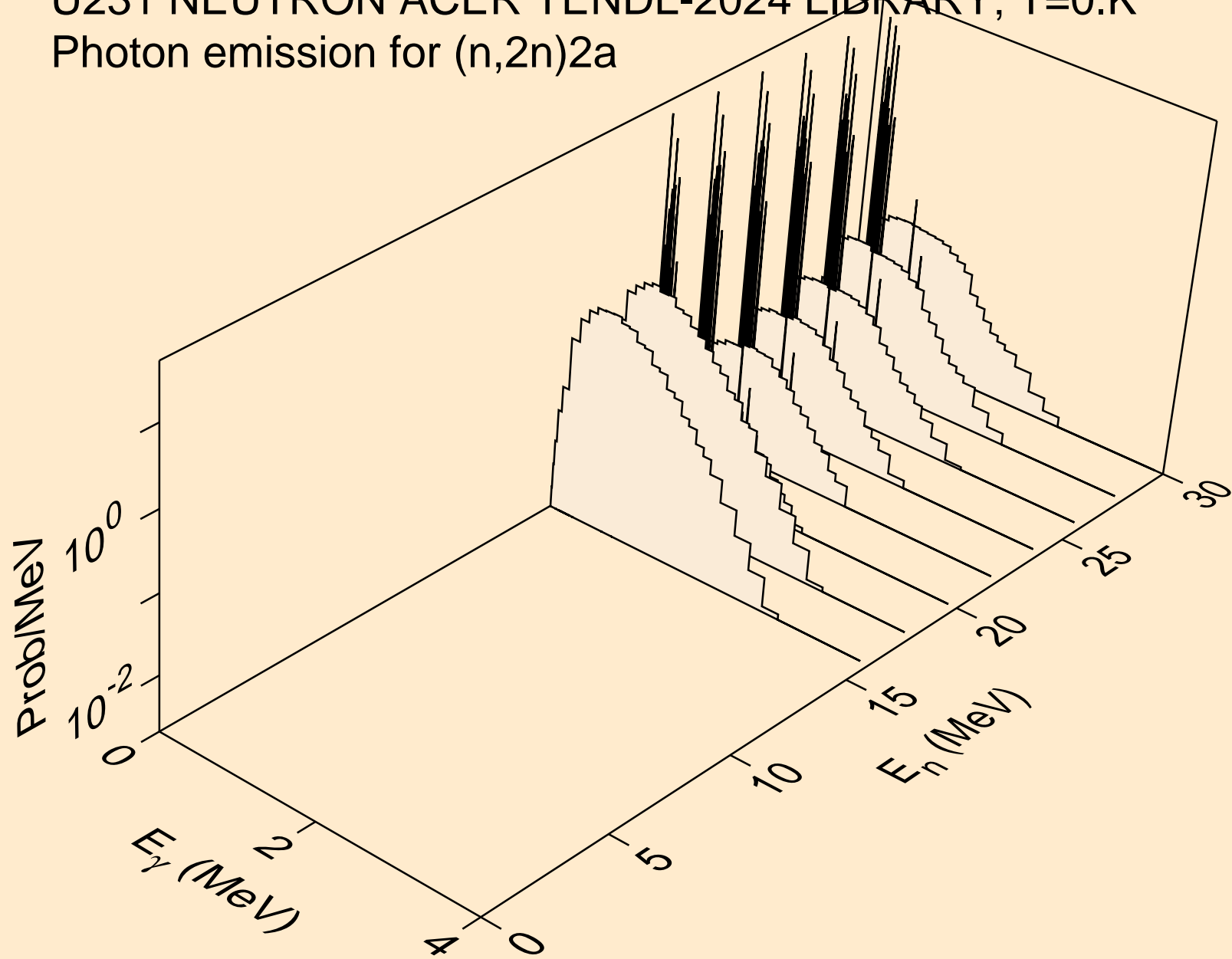
U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



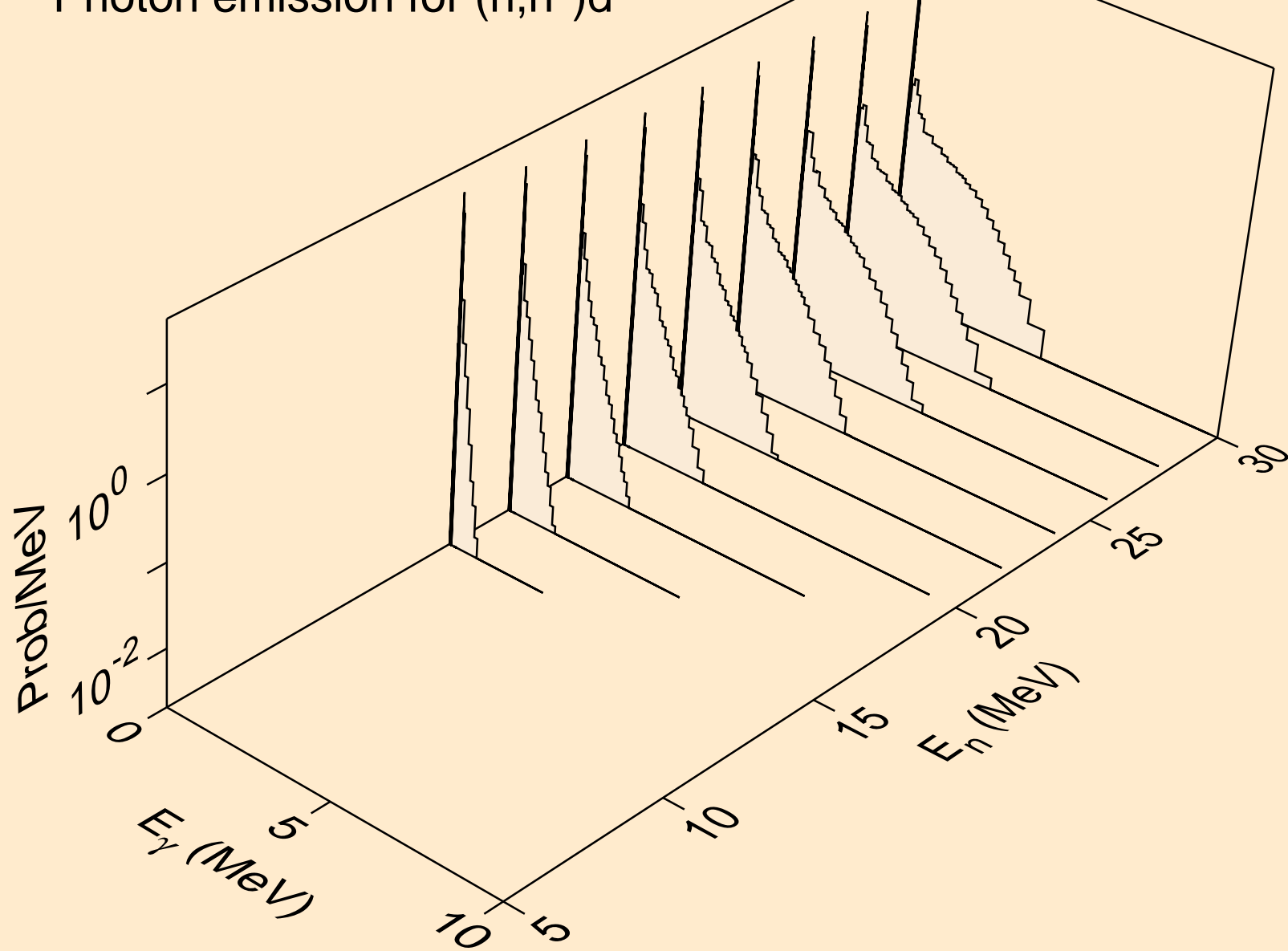
U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)2a

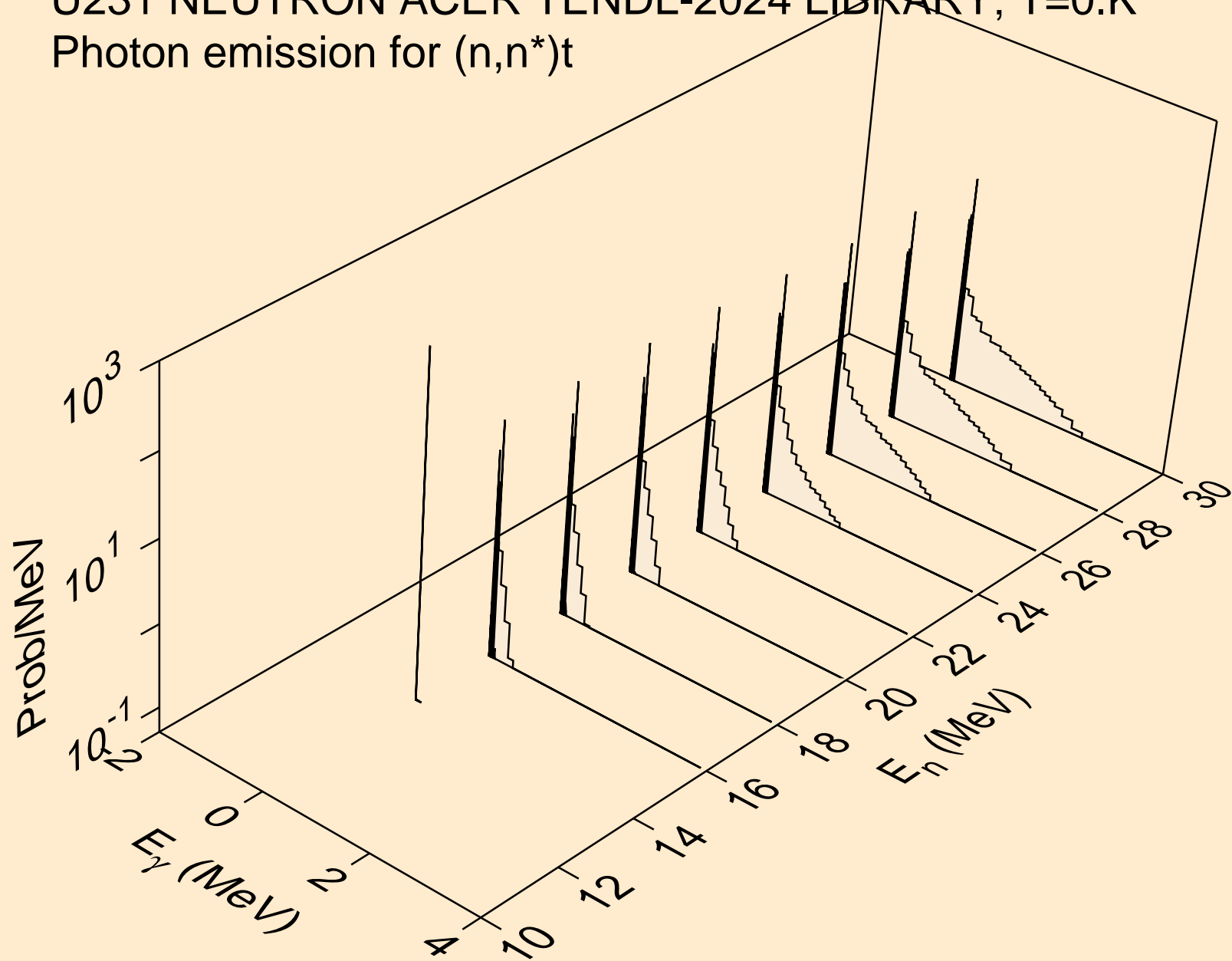


U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)d

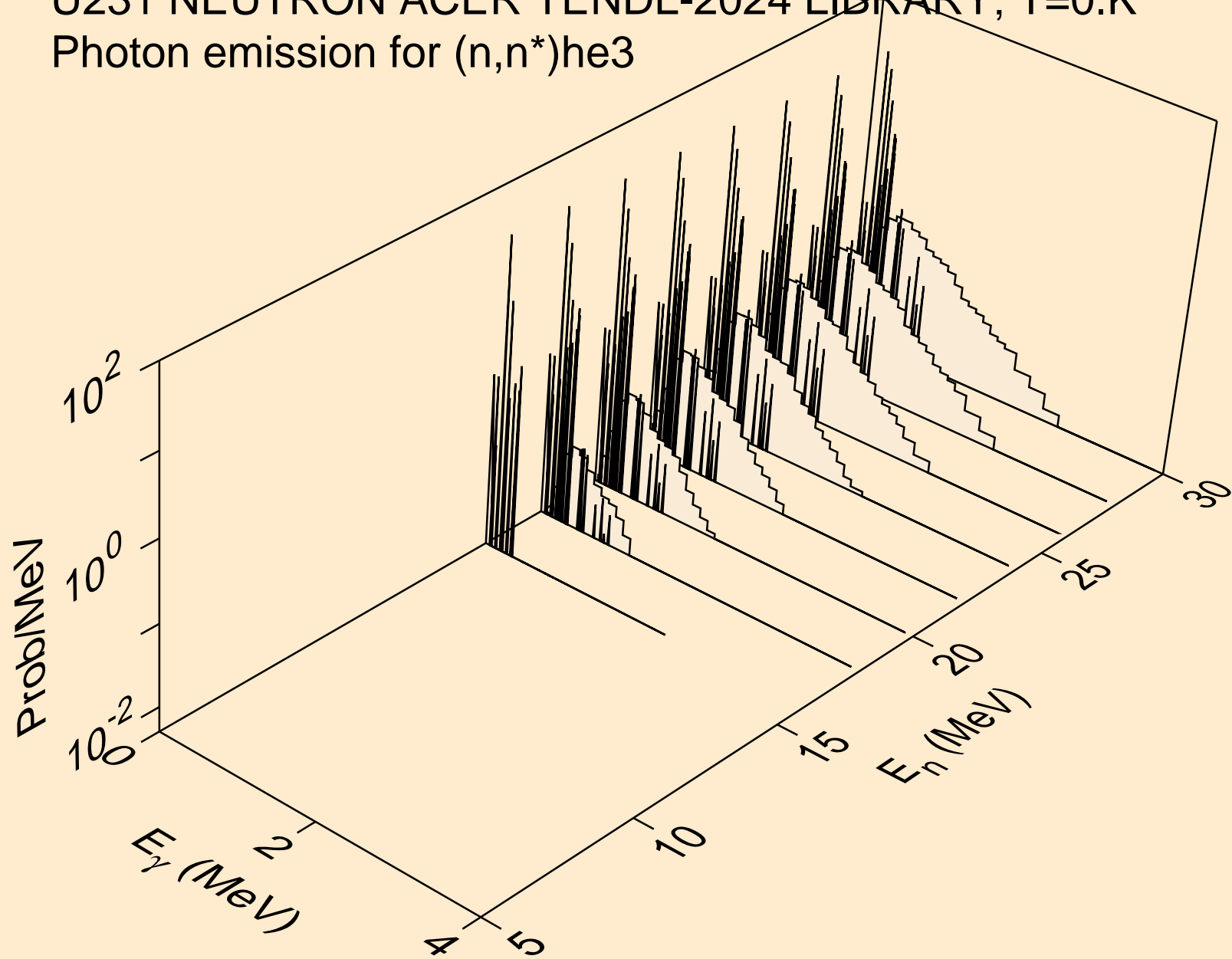




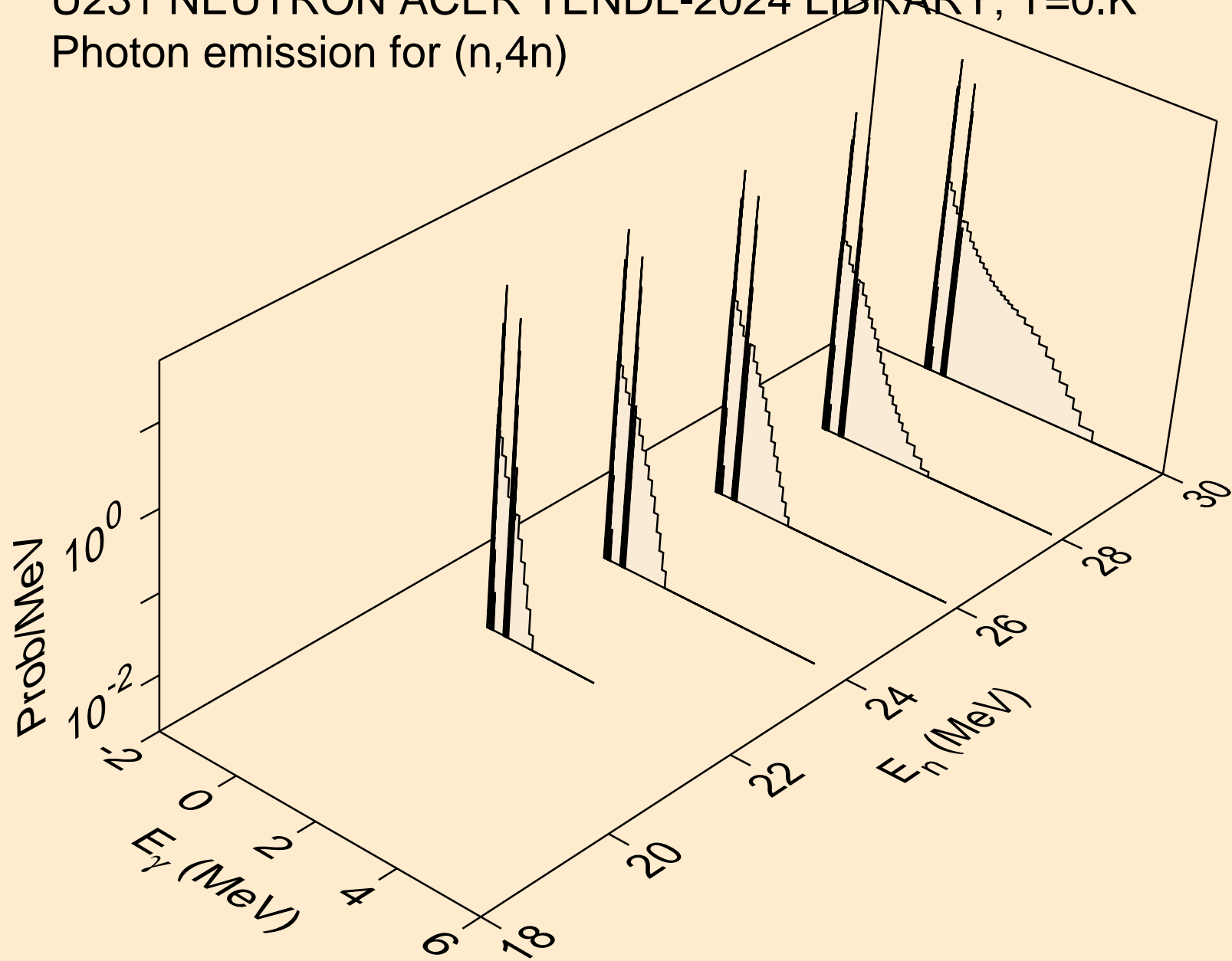
U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



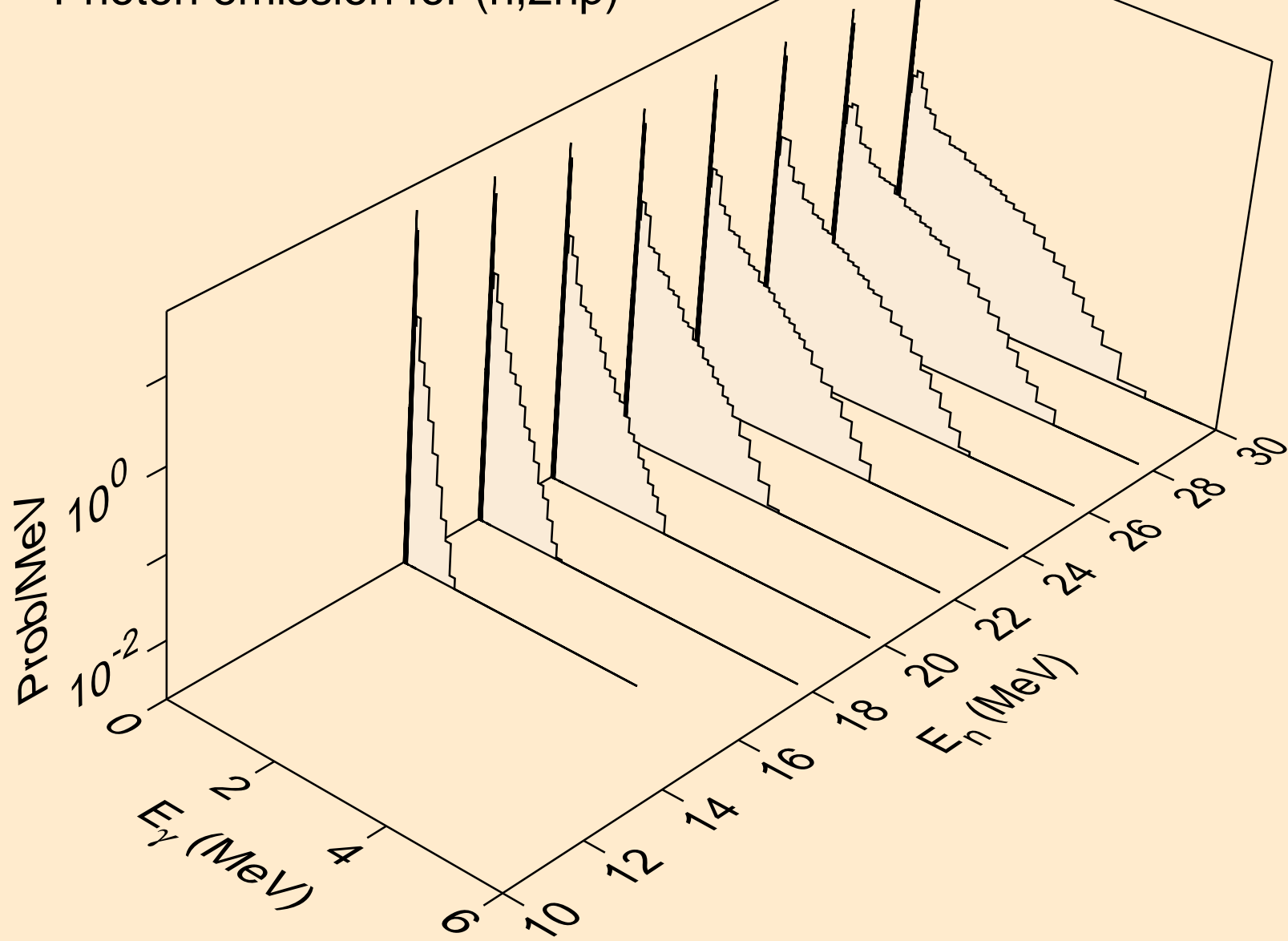
U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



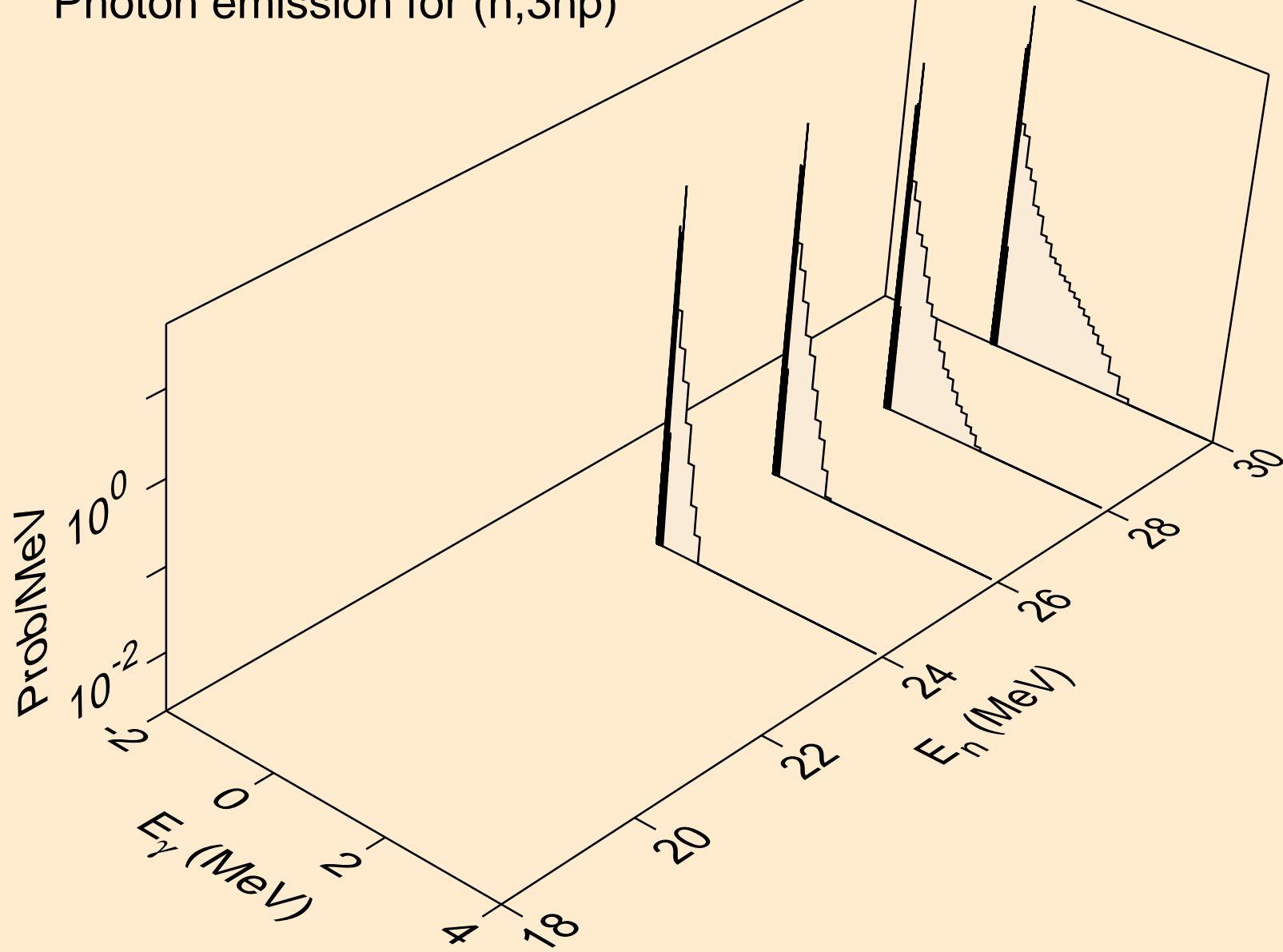
U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,4n)



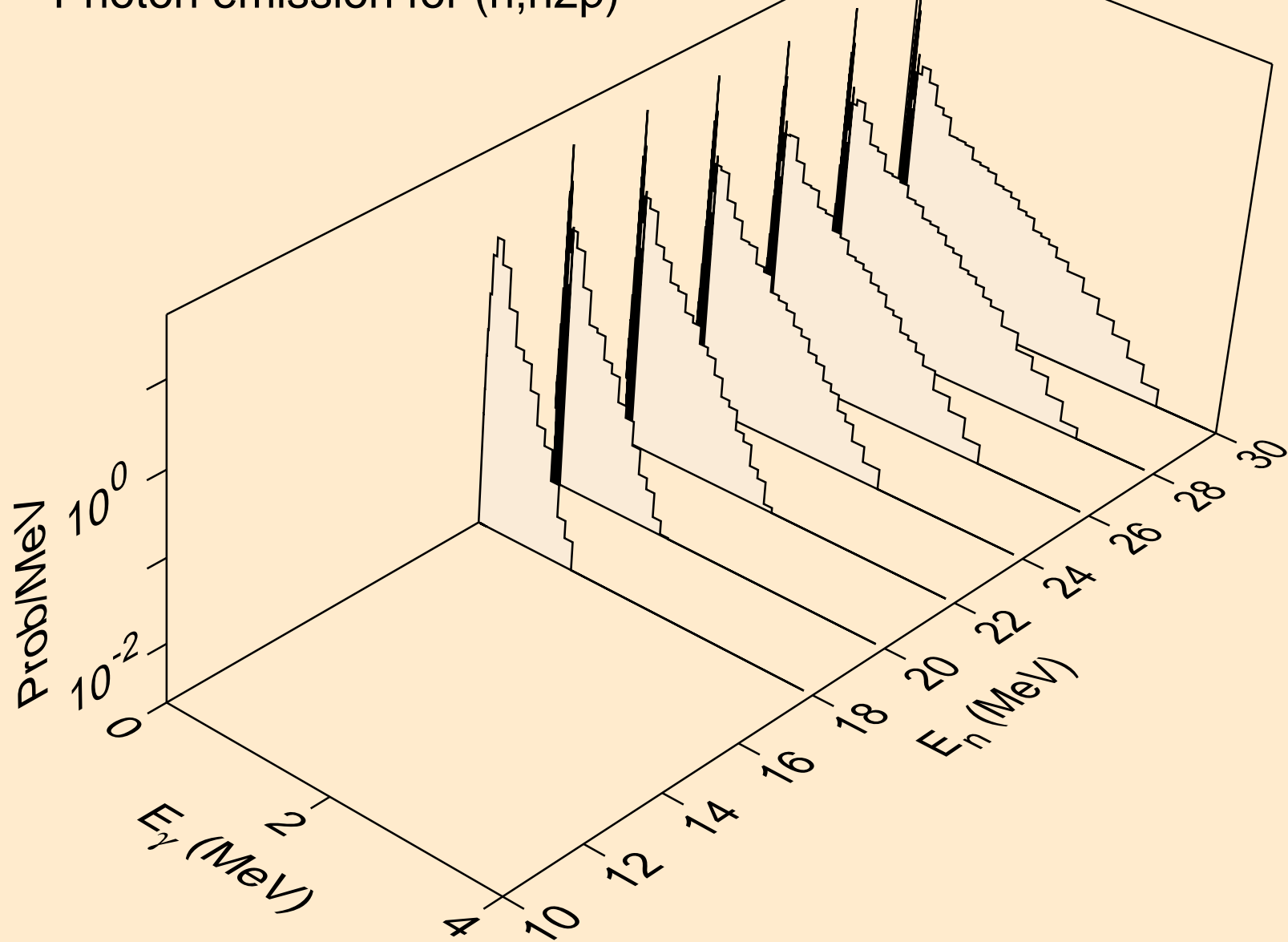
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Photon emission for (n,2np)



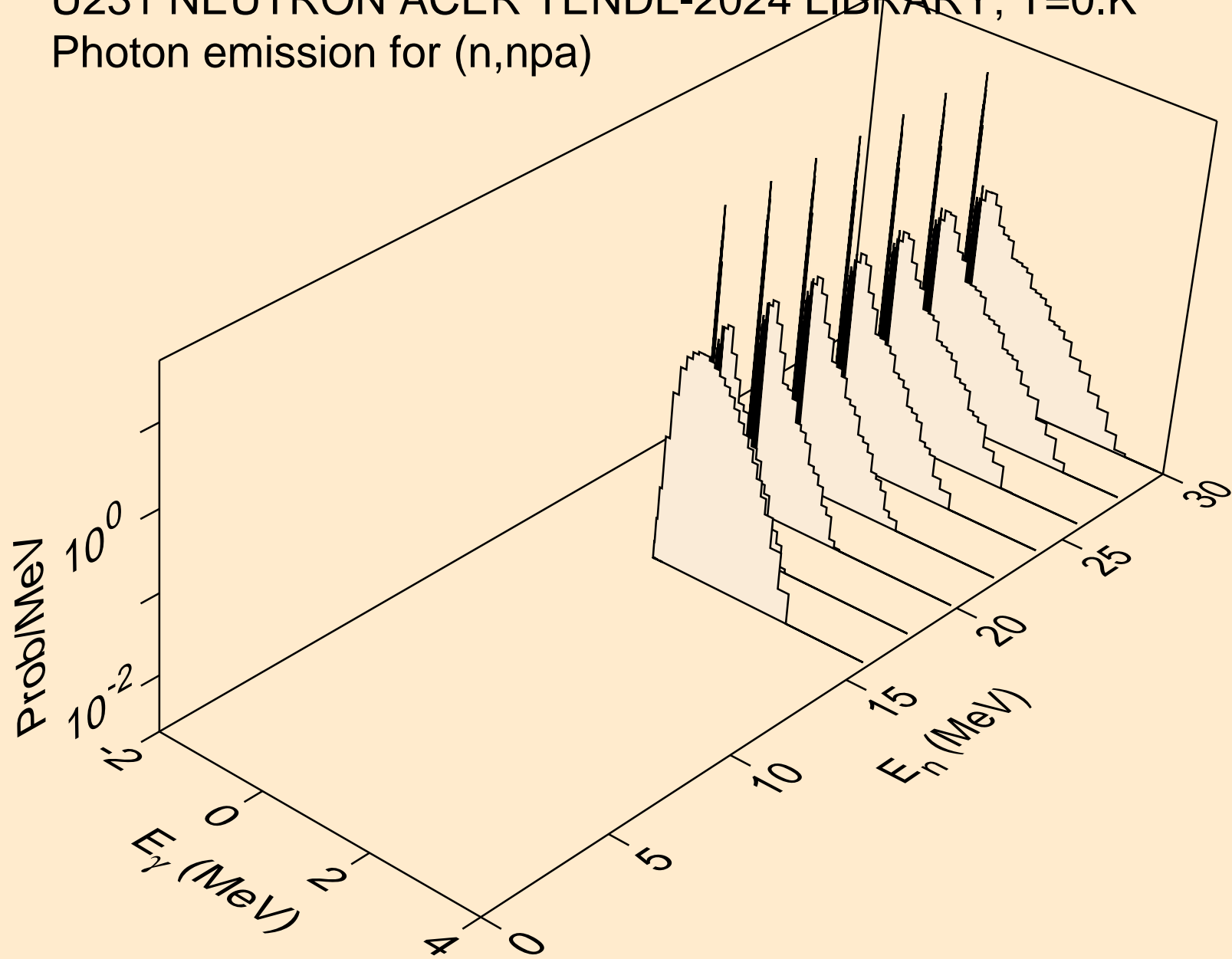
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Photon emission for (n,3np)



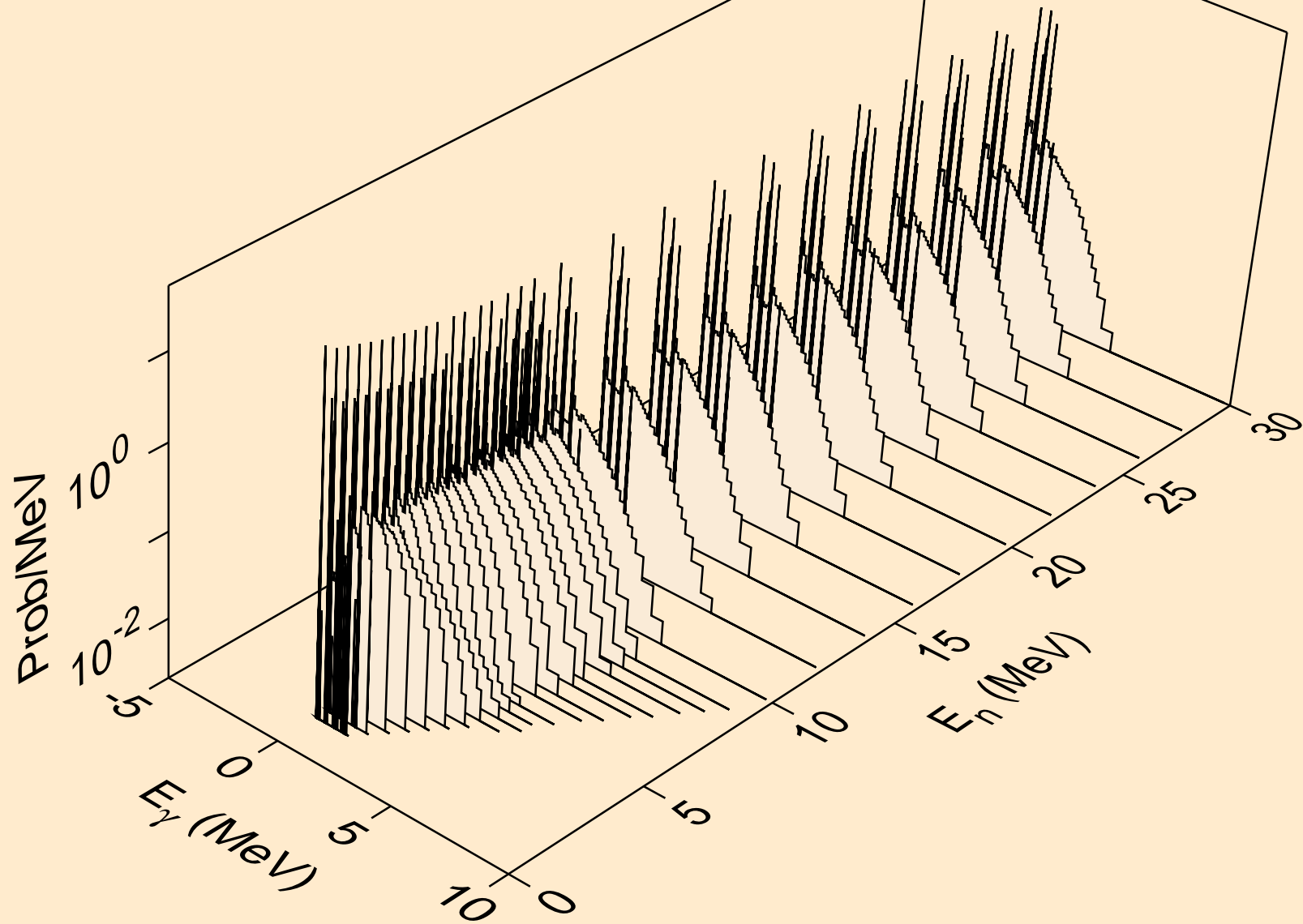
U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n2p)



U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,npa)

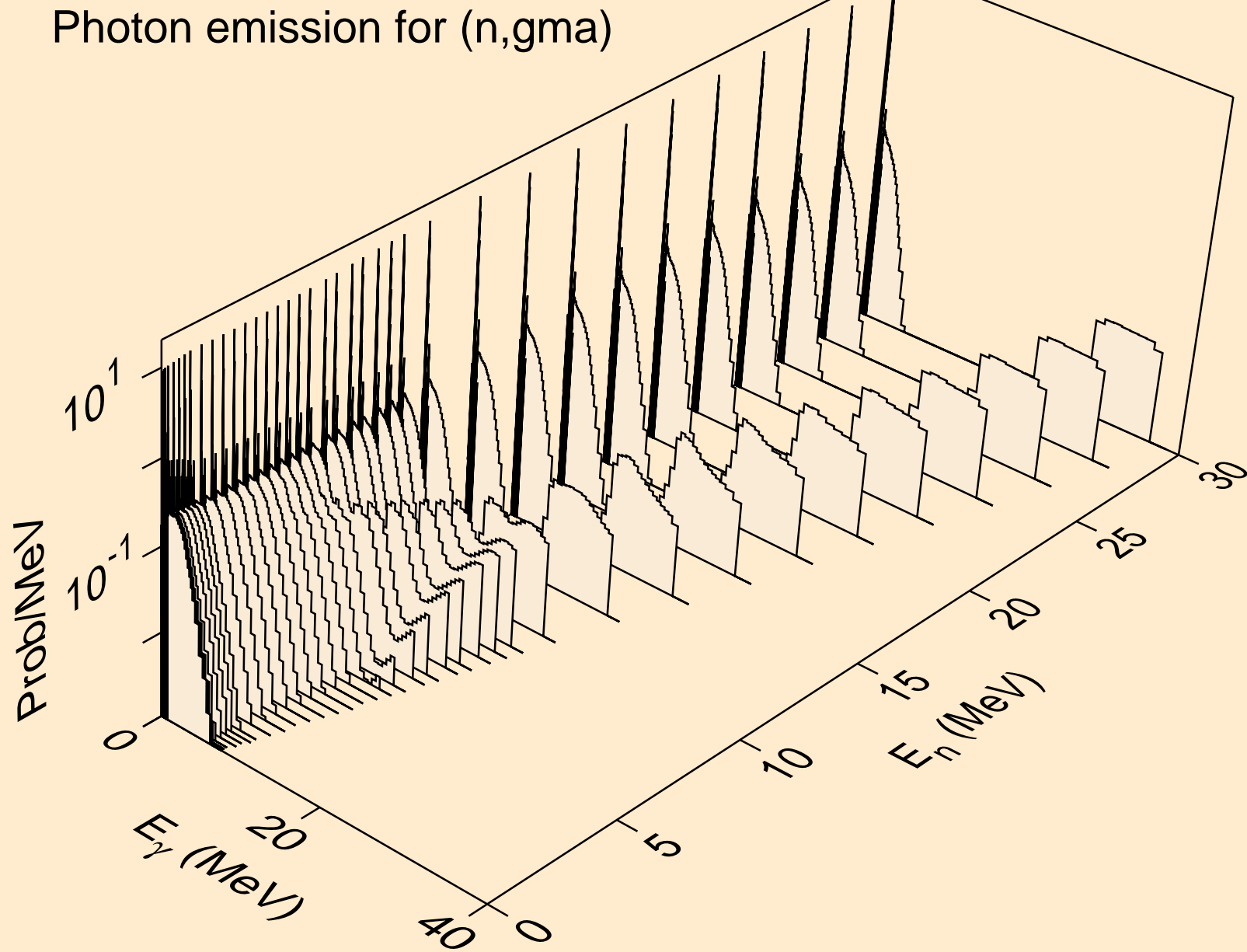


U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*c)

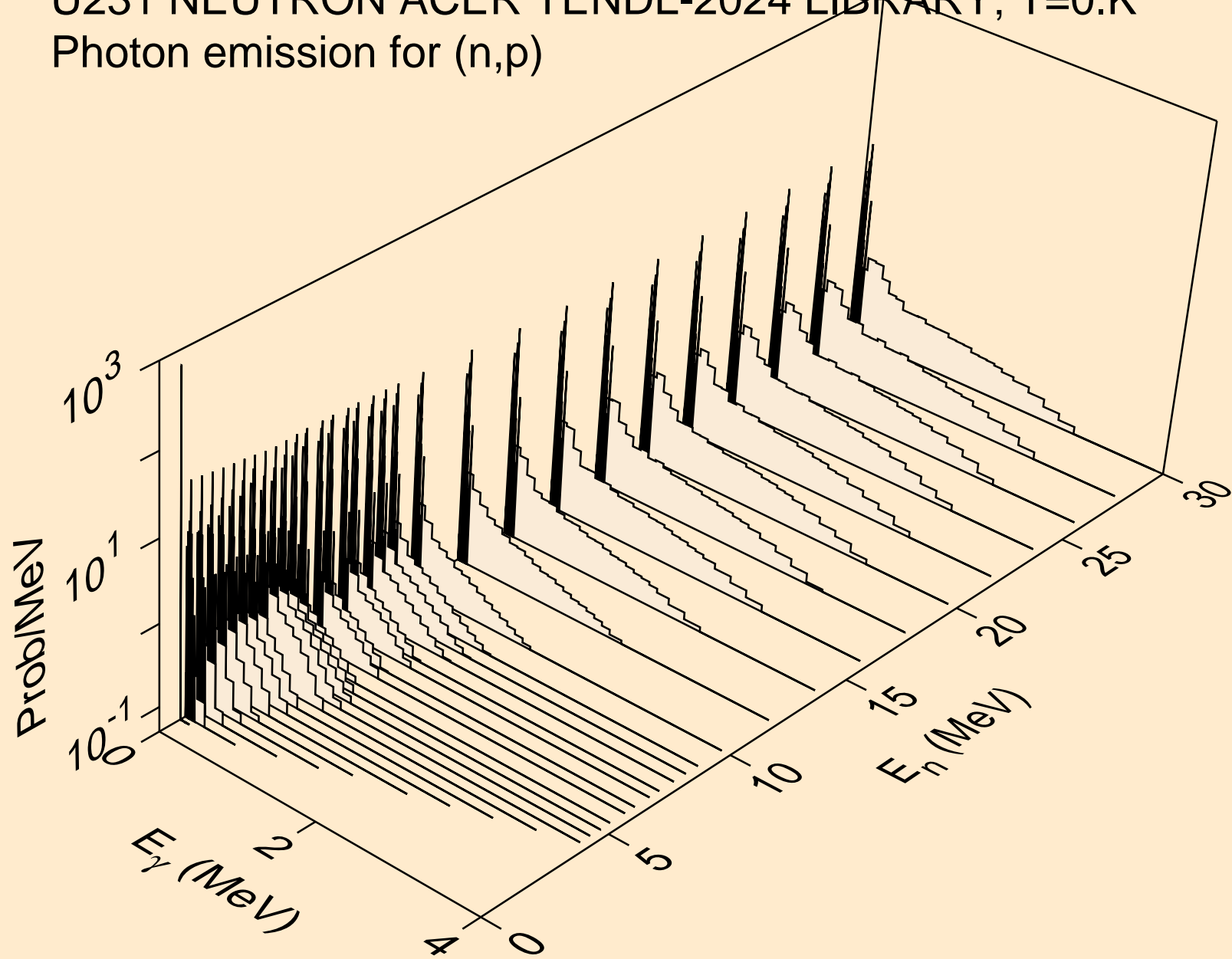




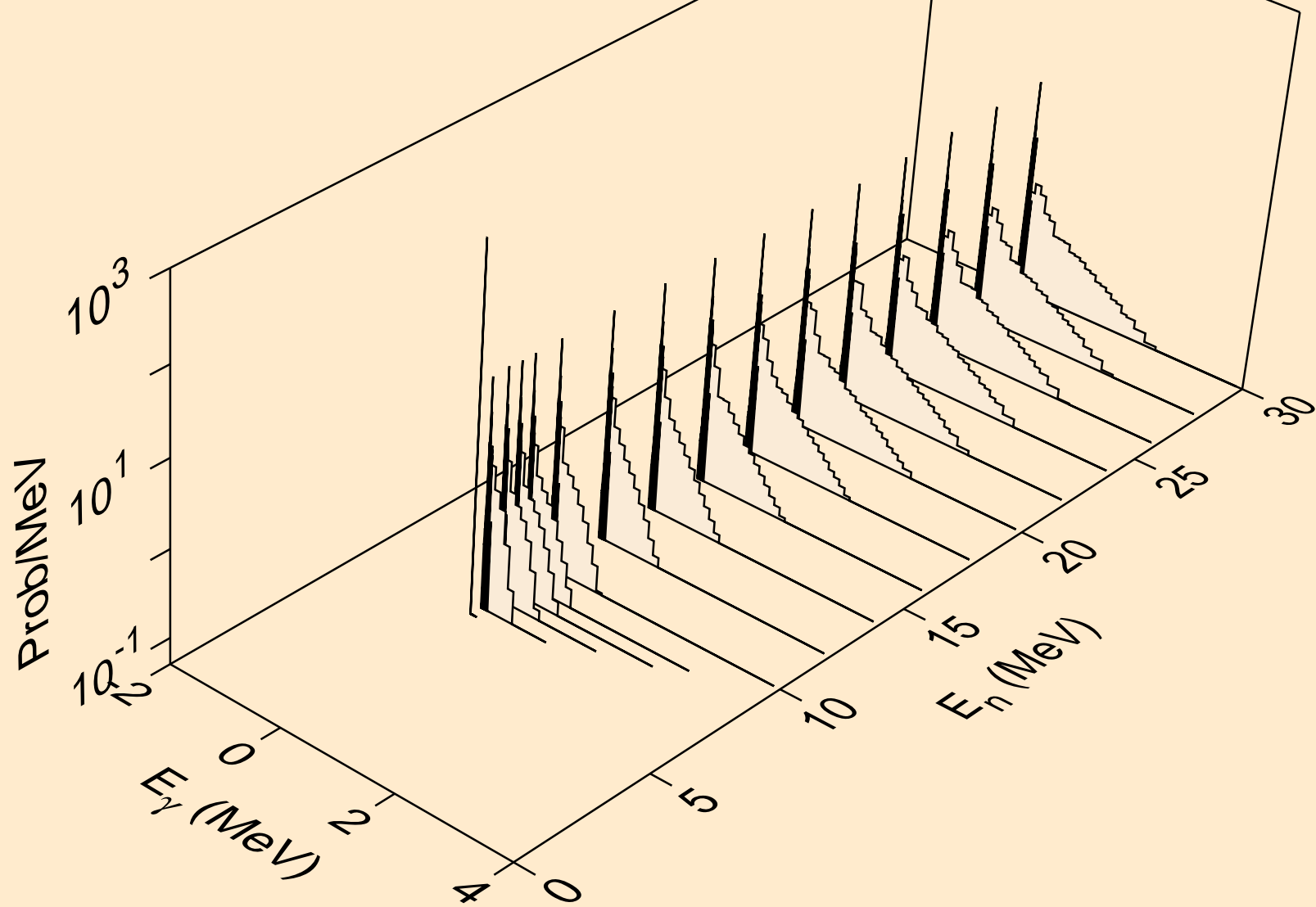
U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,gma)



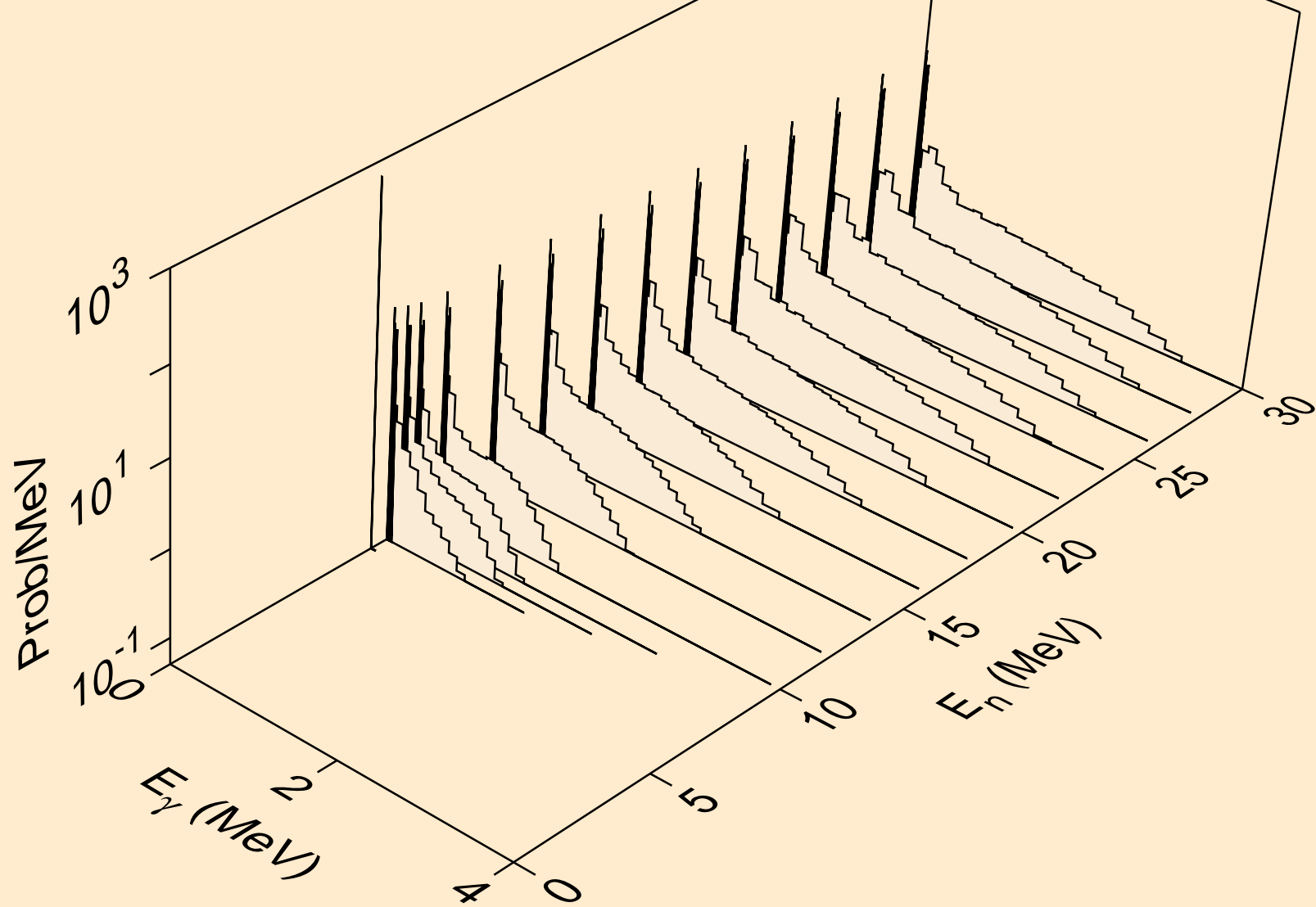
U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p)



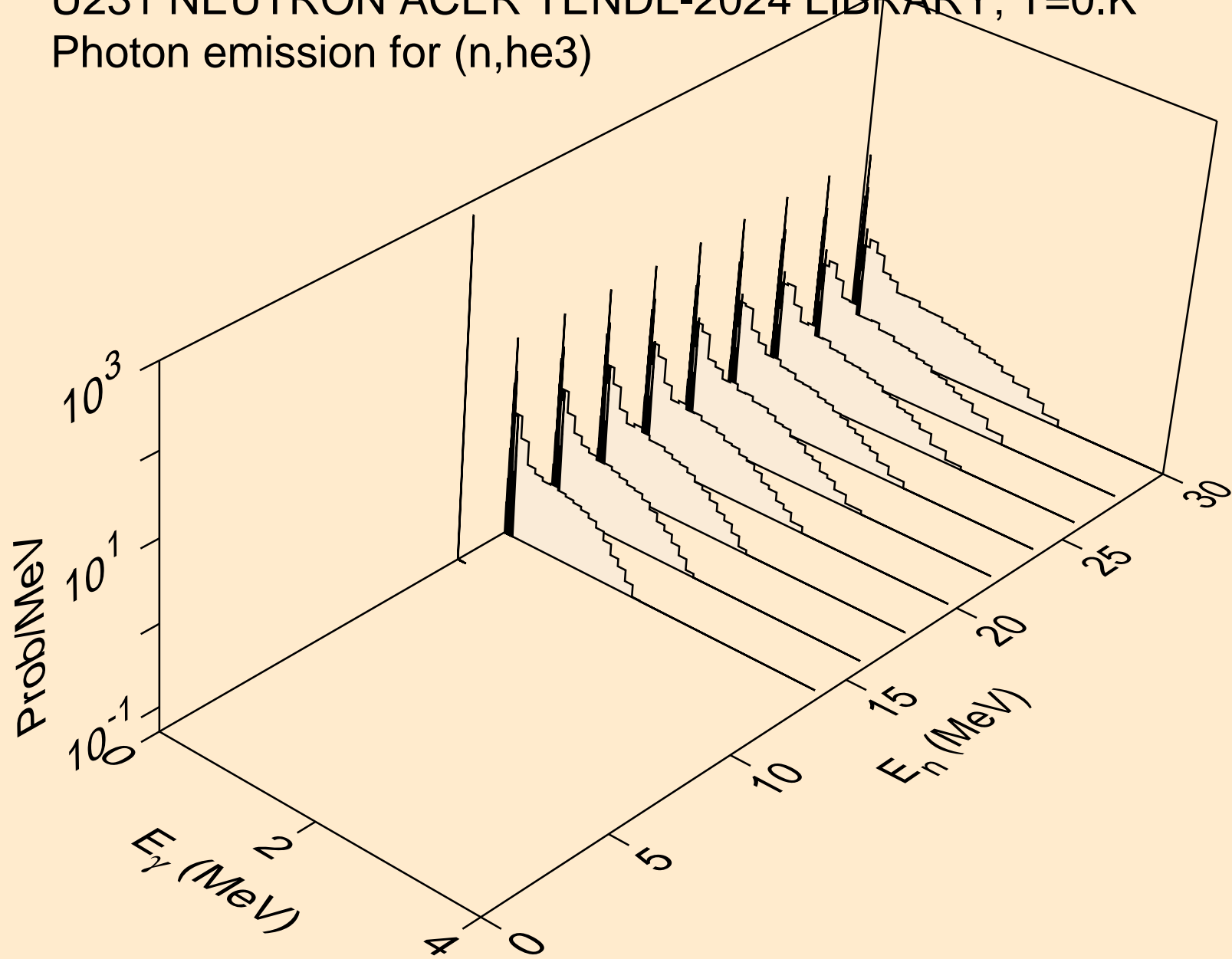
U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,d)



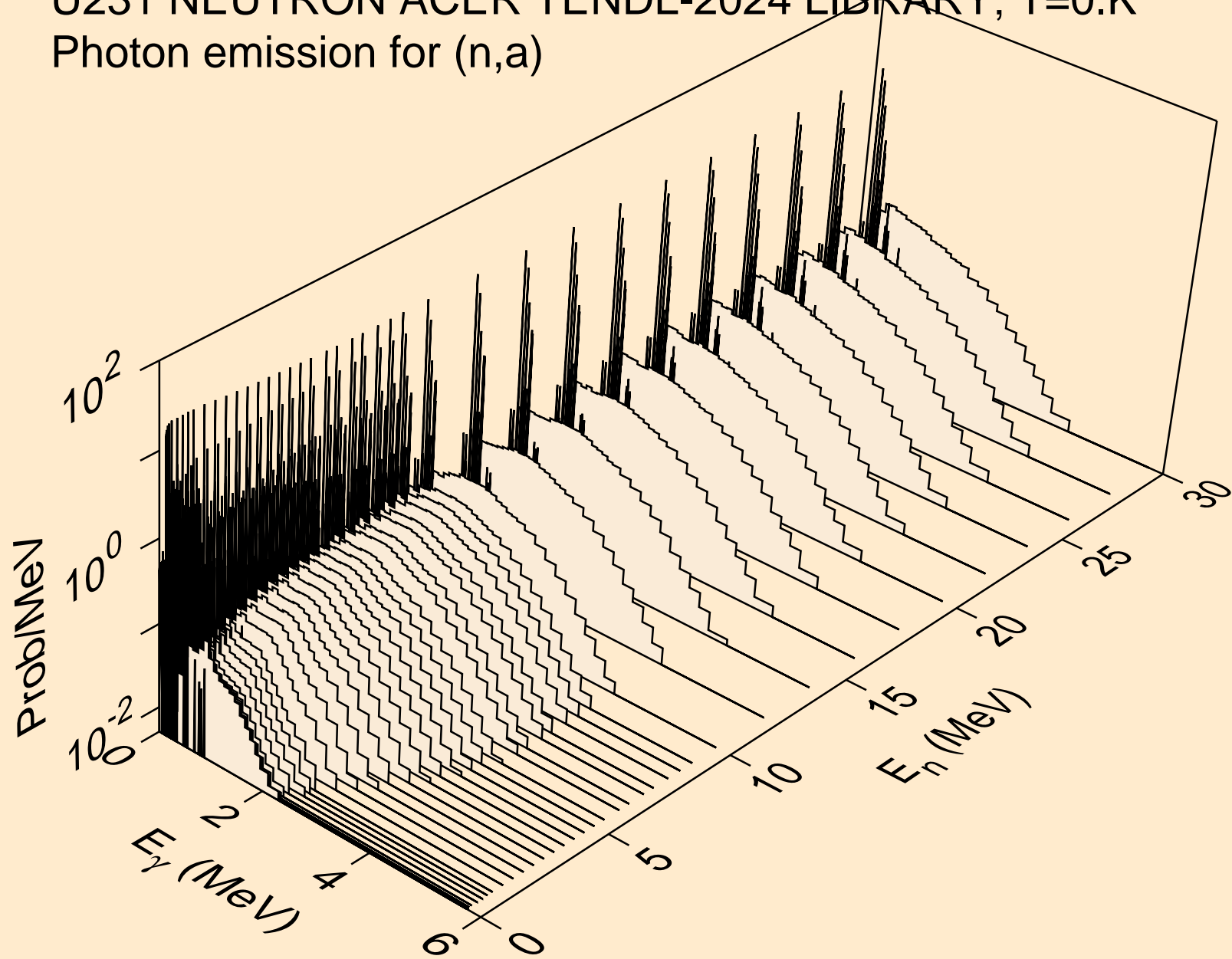
U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,t)



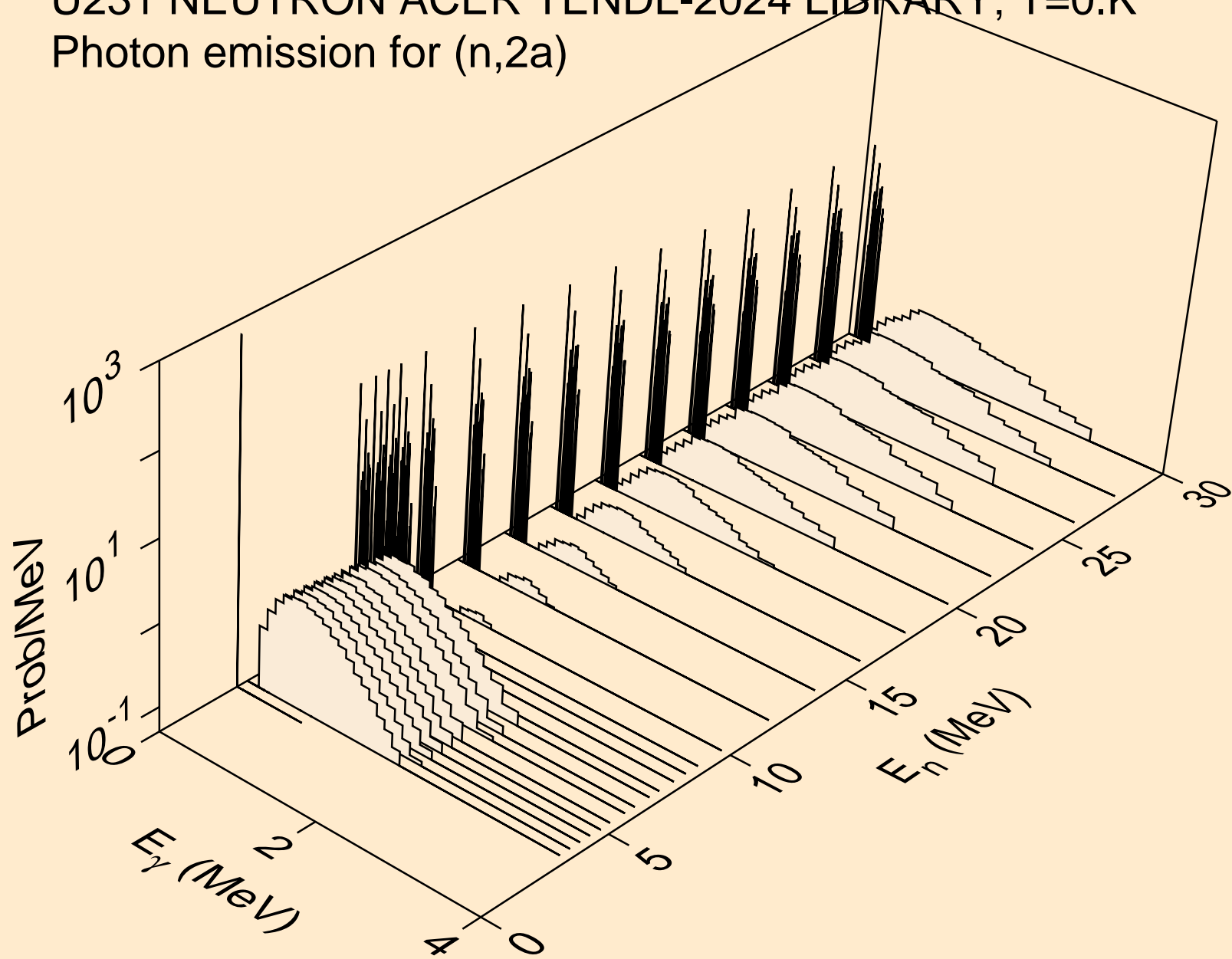
U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,he3)



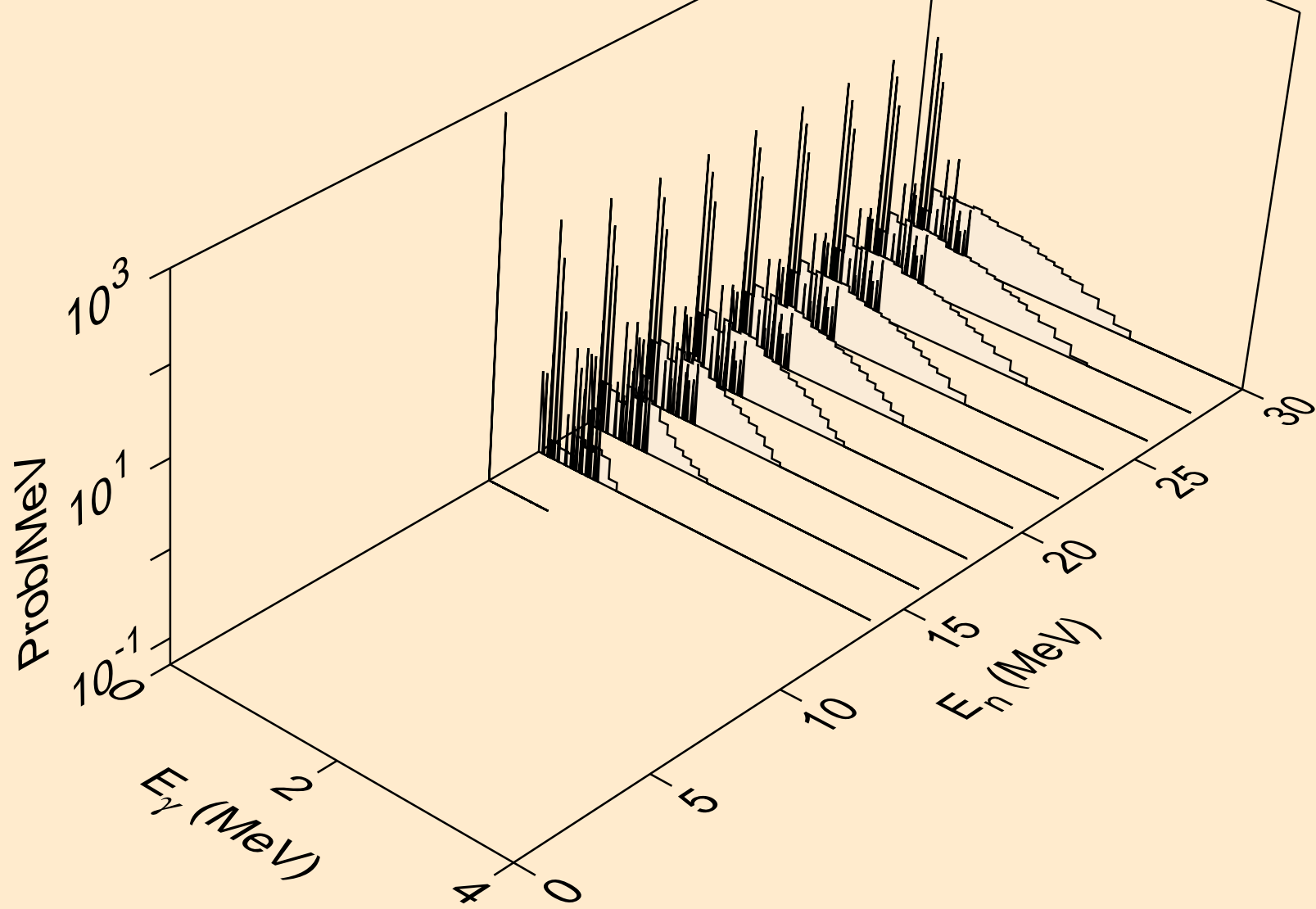
U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,a)



U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2a)

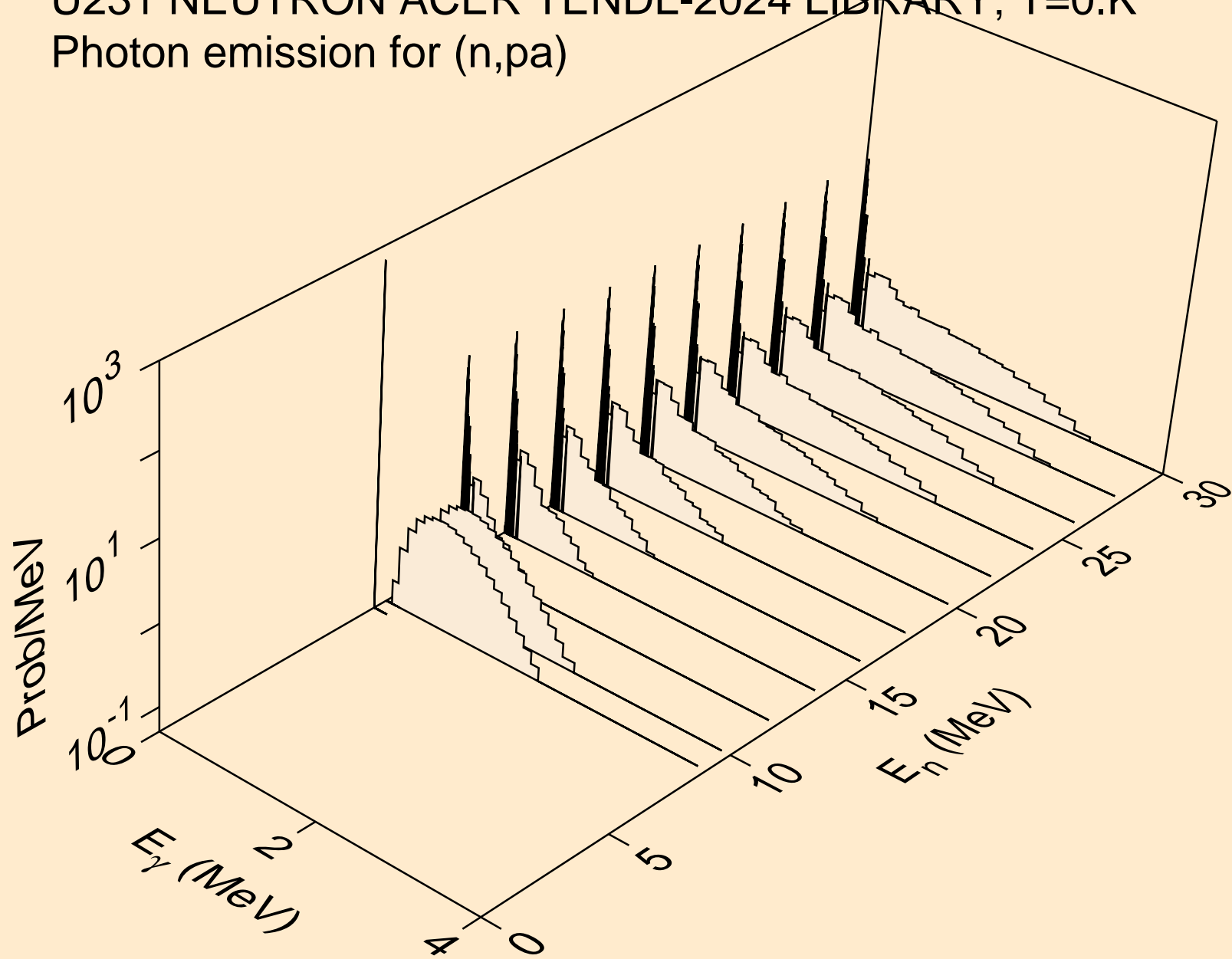


U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2p)

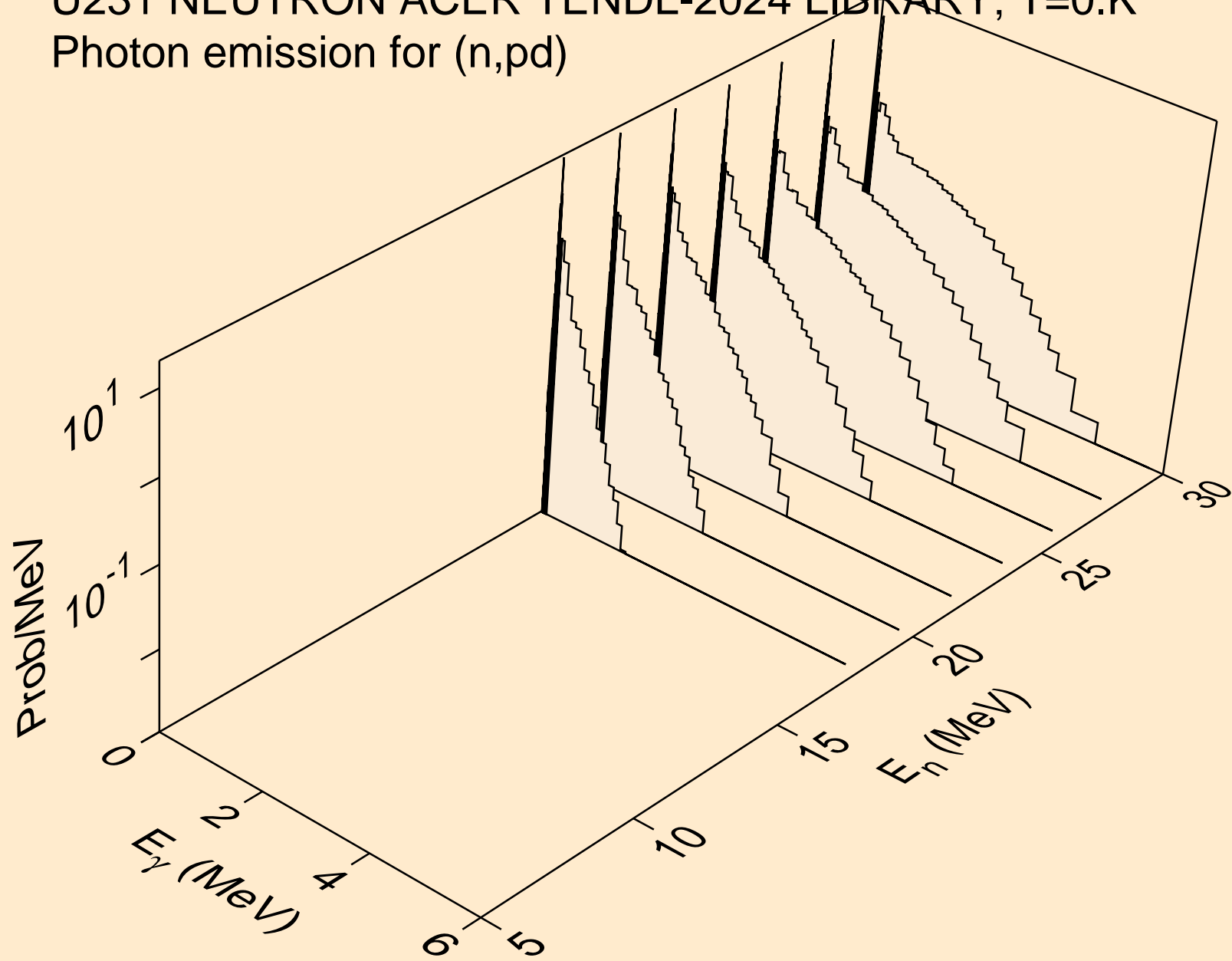




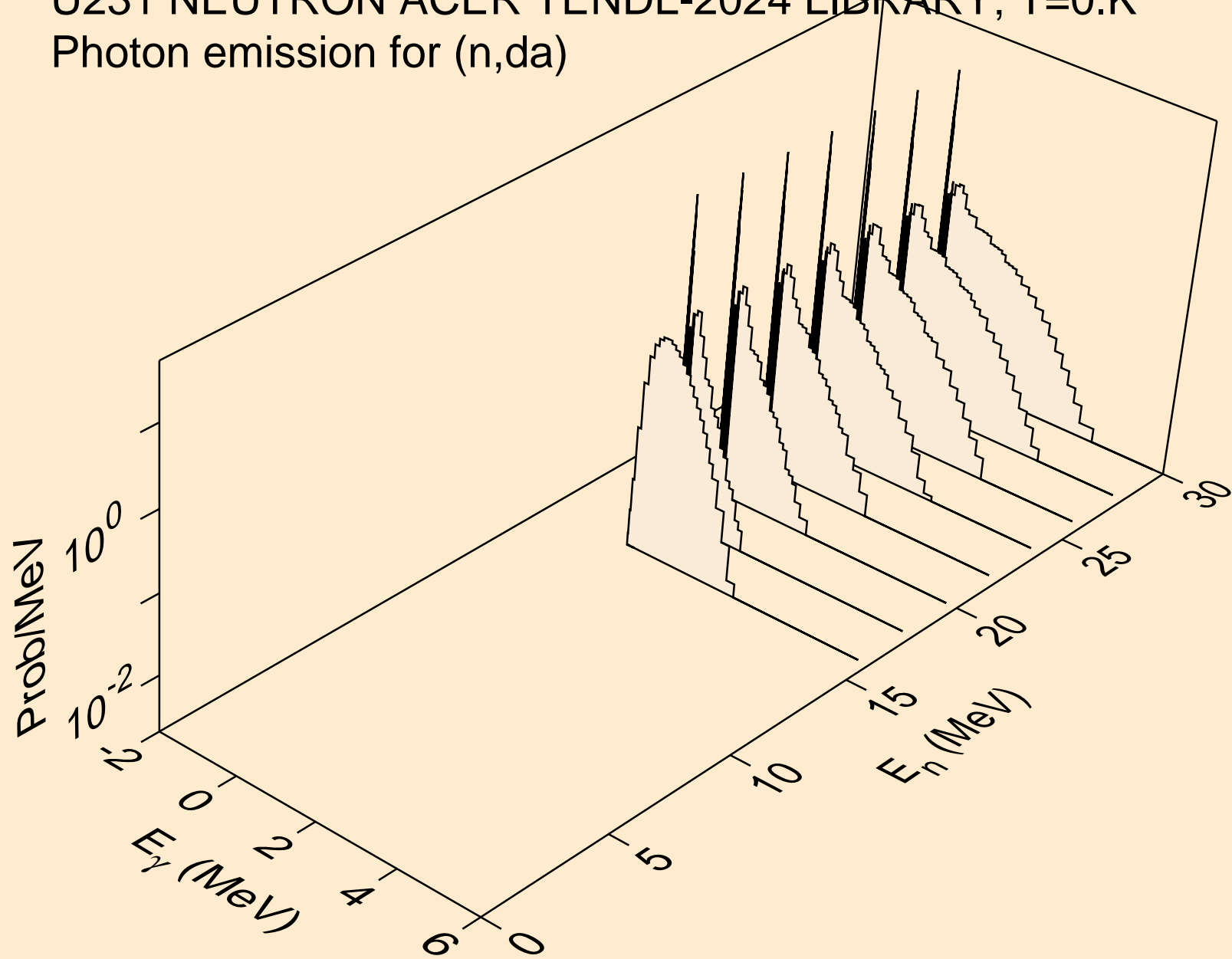
U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pa)



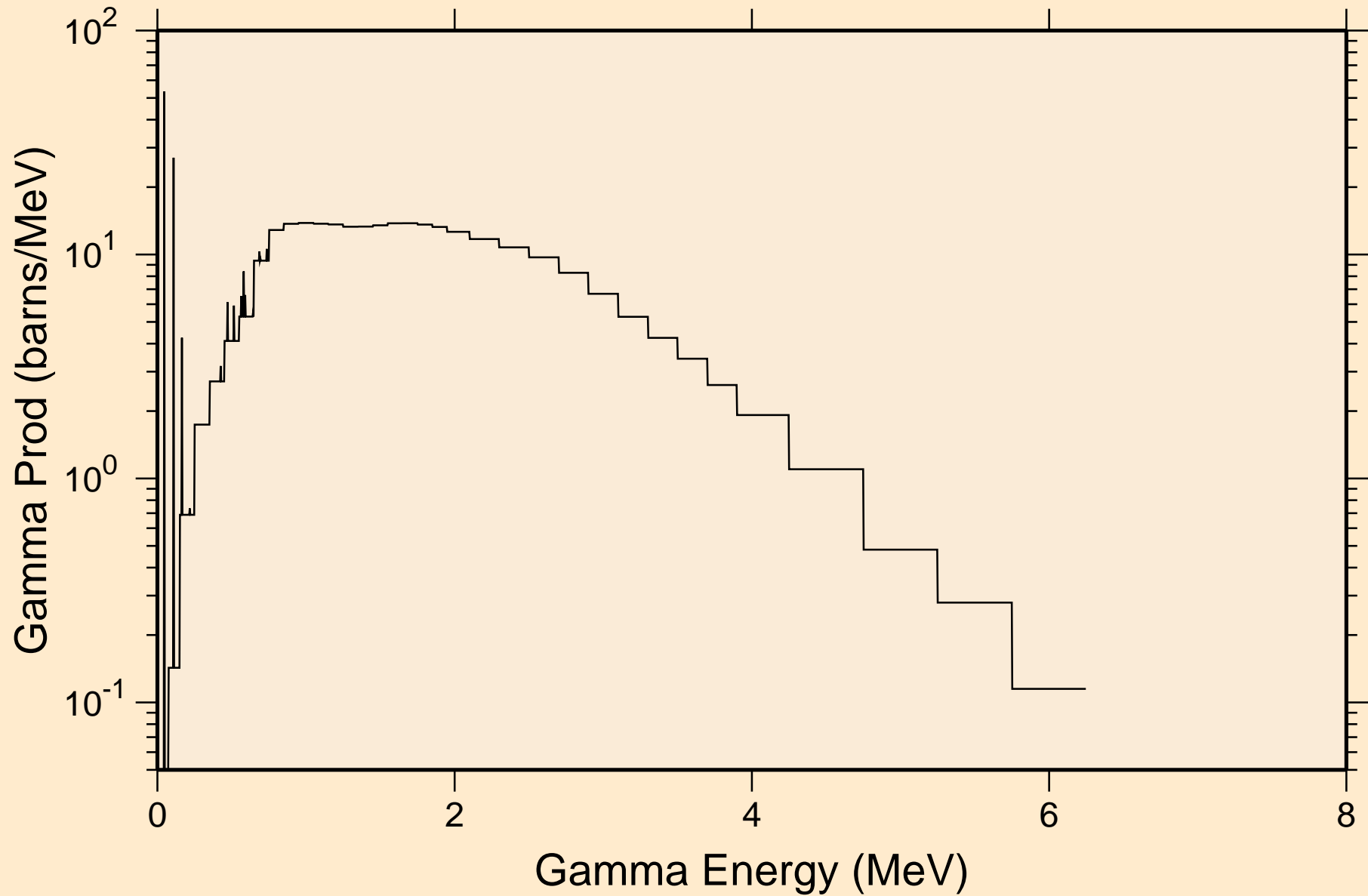
U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pd)



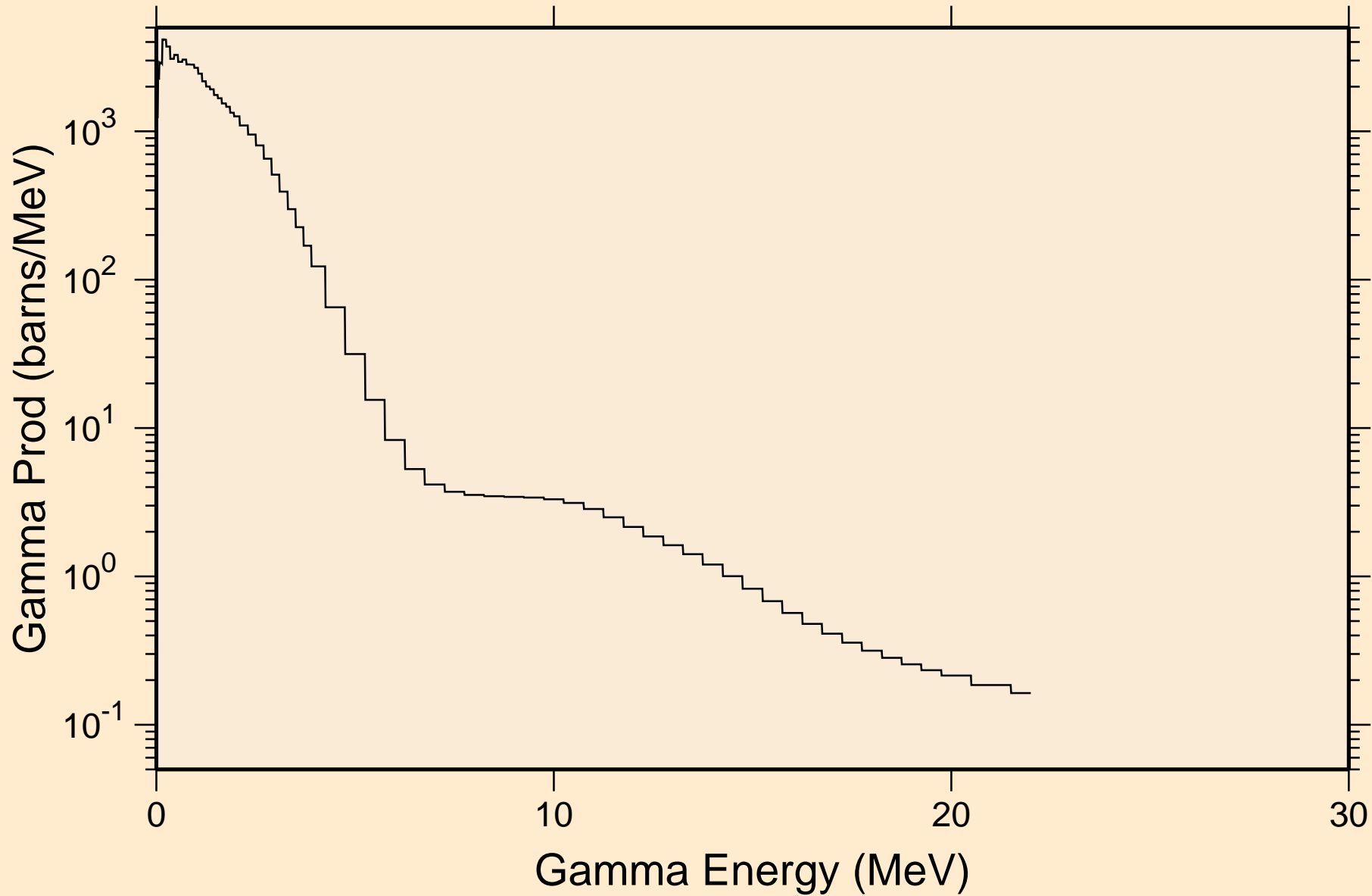
U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,da)



U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
thermal capture photon spectrum

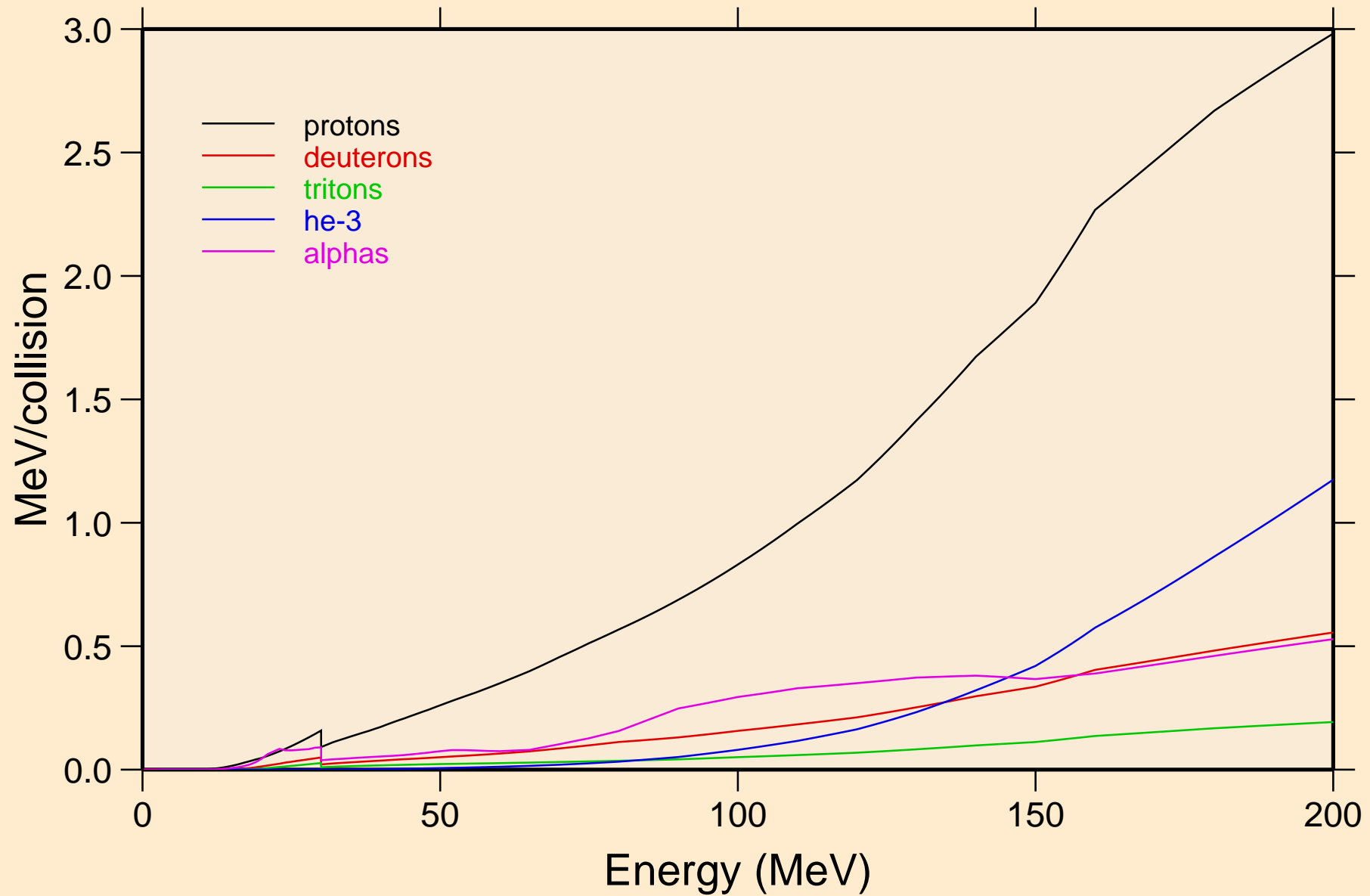


U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
14 MeV photon spectrum

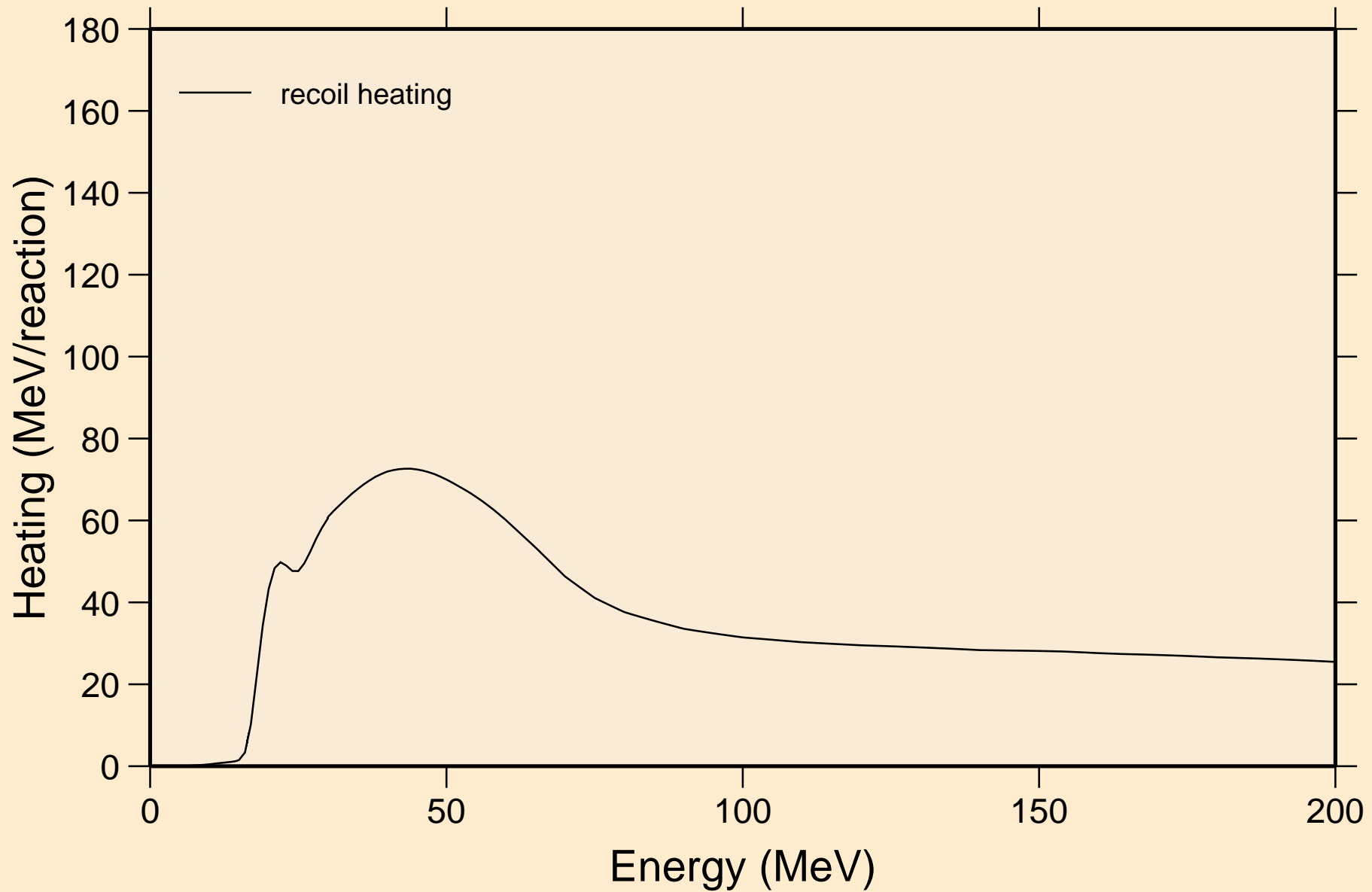


# U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Particle heating contributions

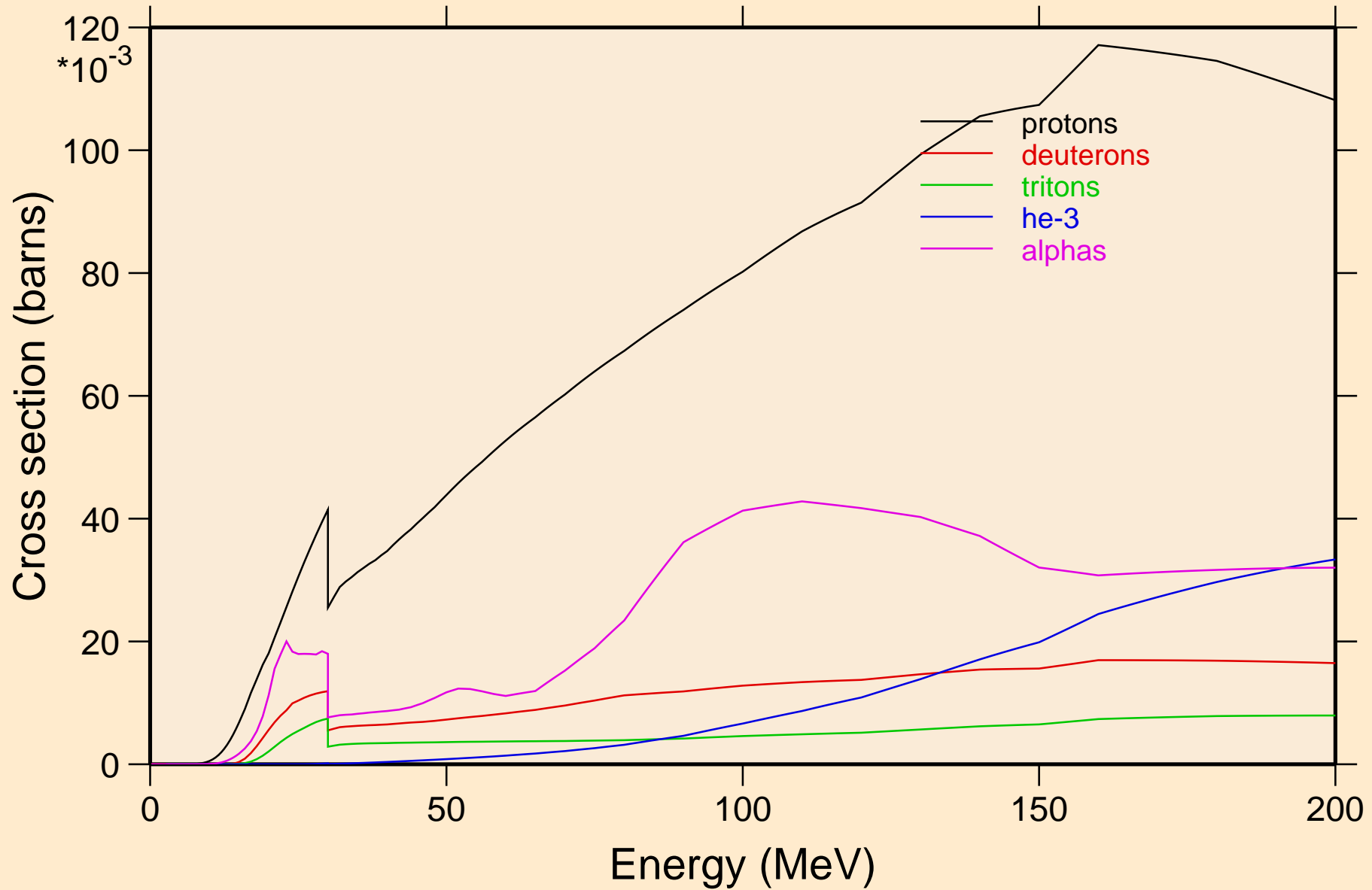


U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Recoil Heating



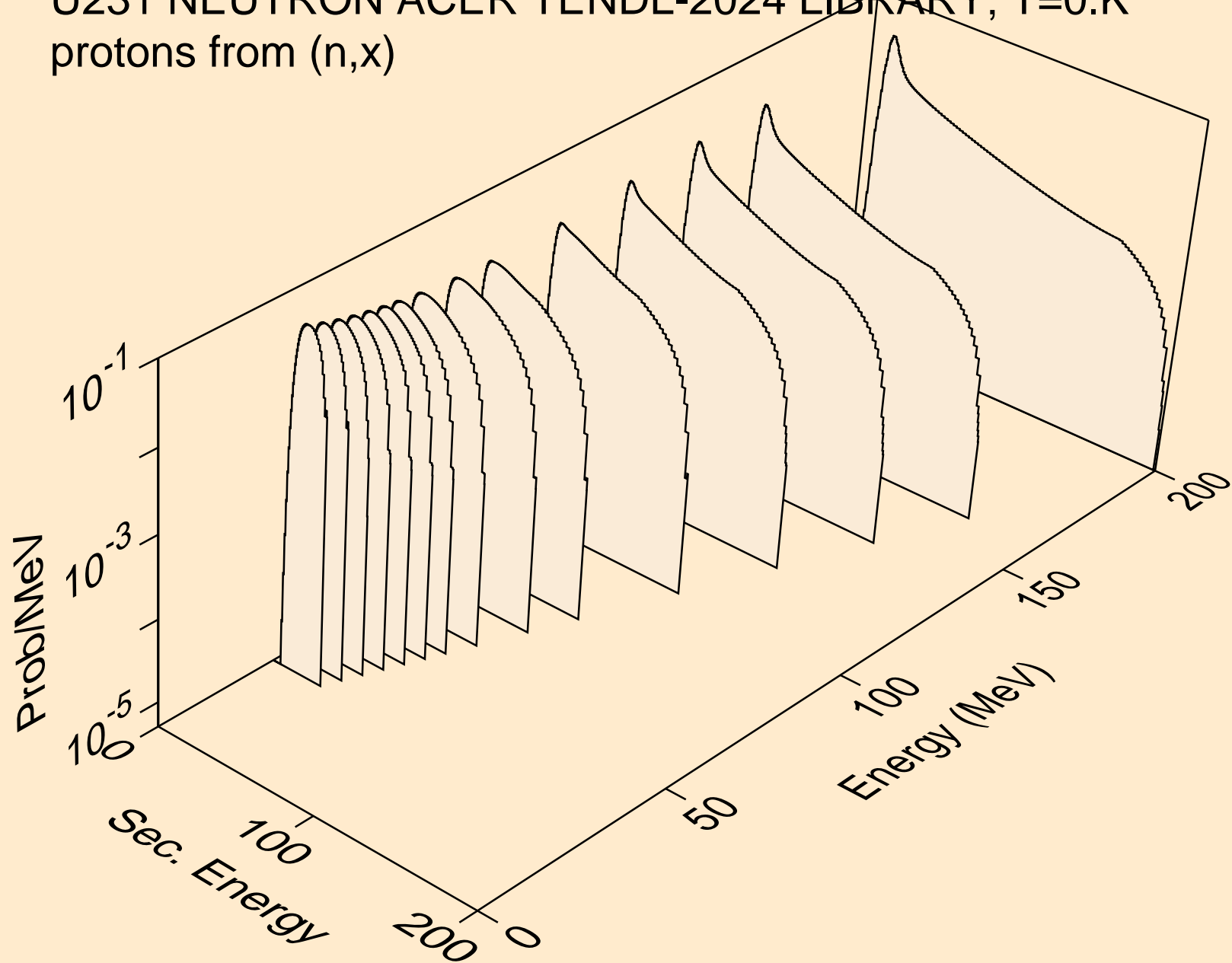
# U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Particle production cross sections

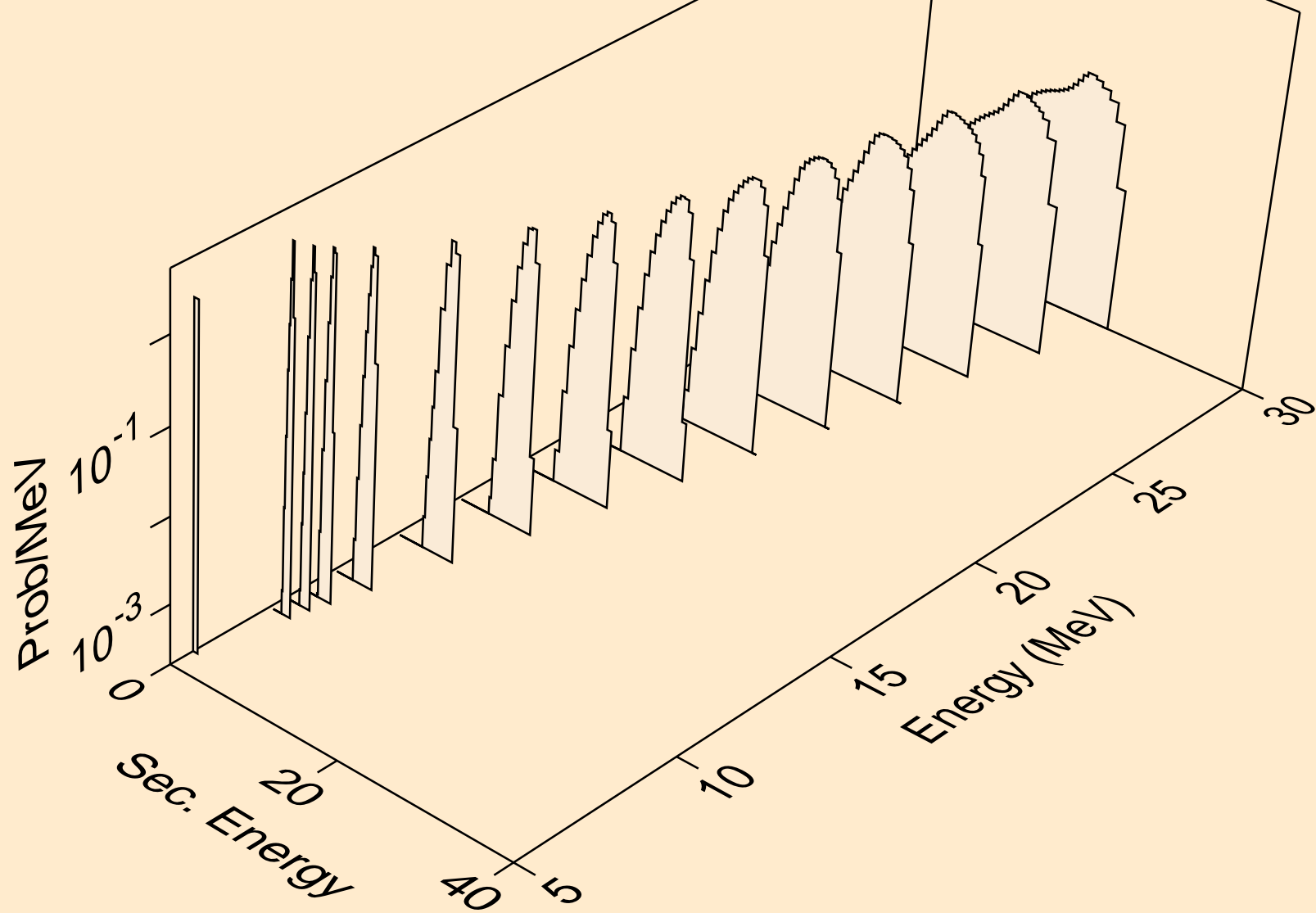




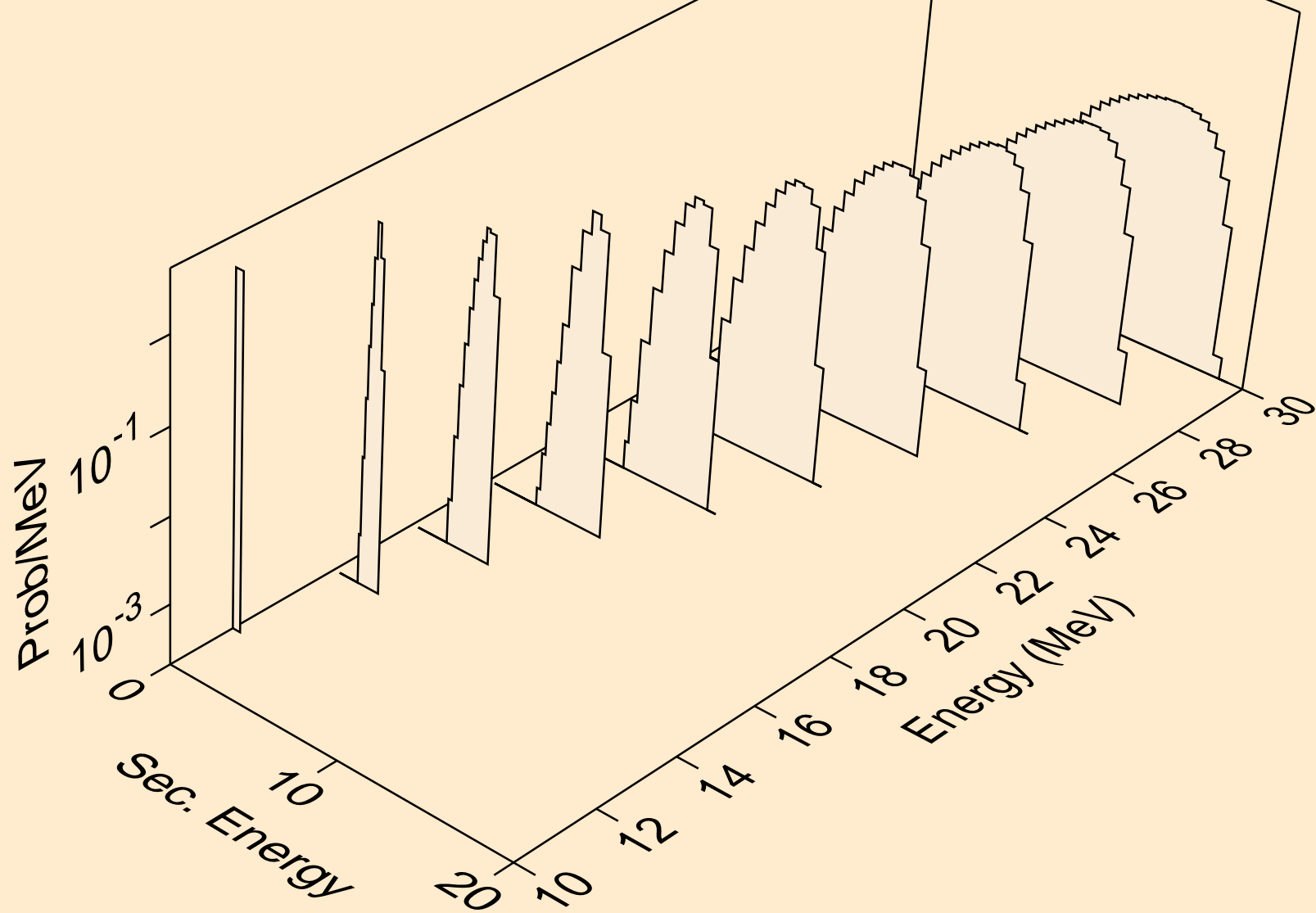
U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,x)



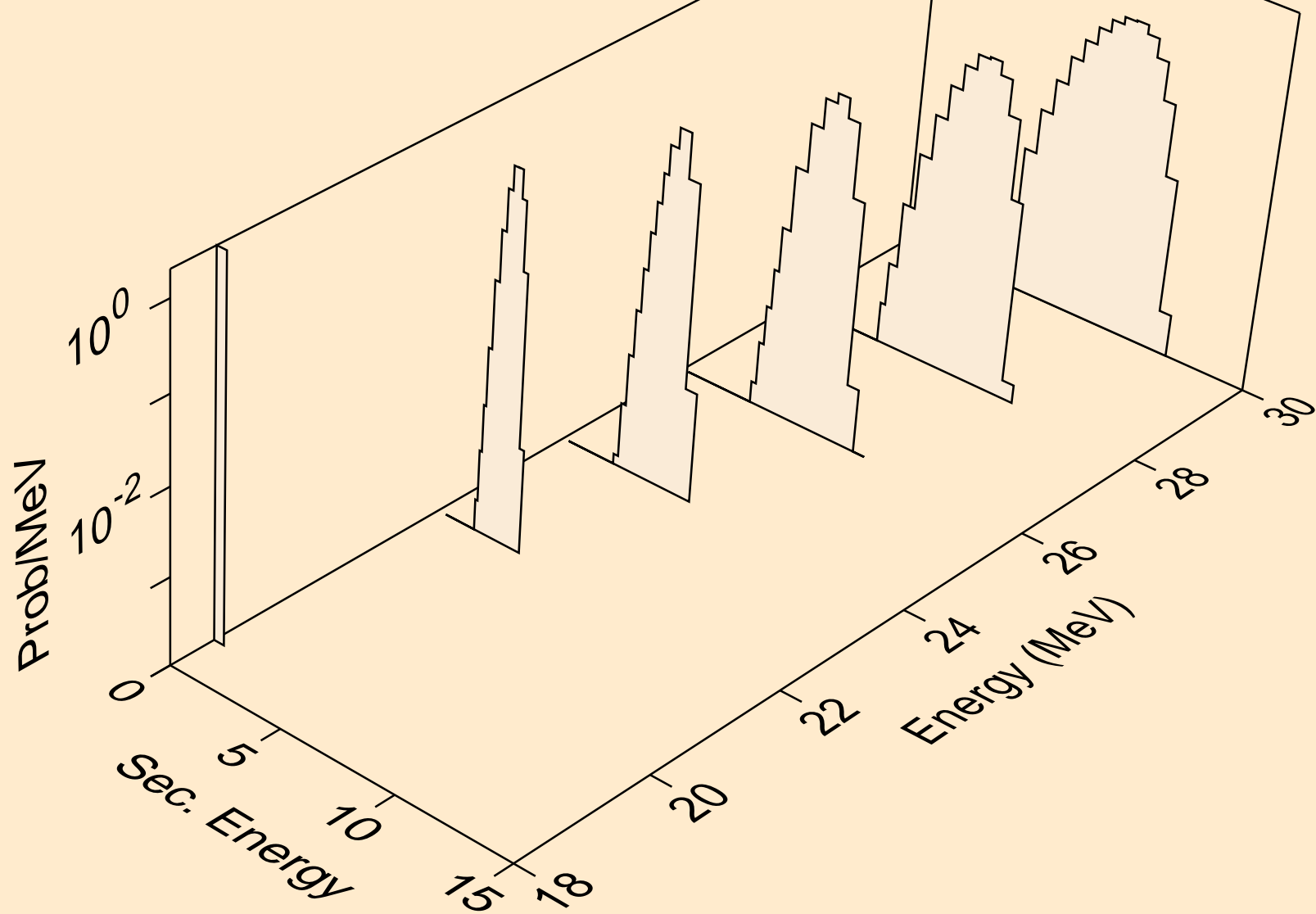
U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,n\*)p



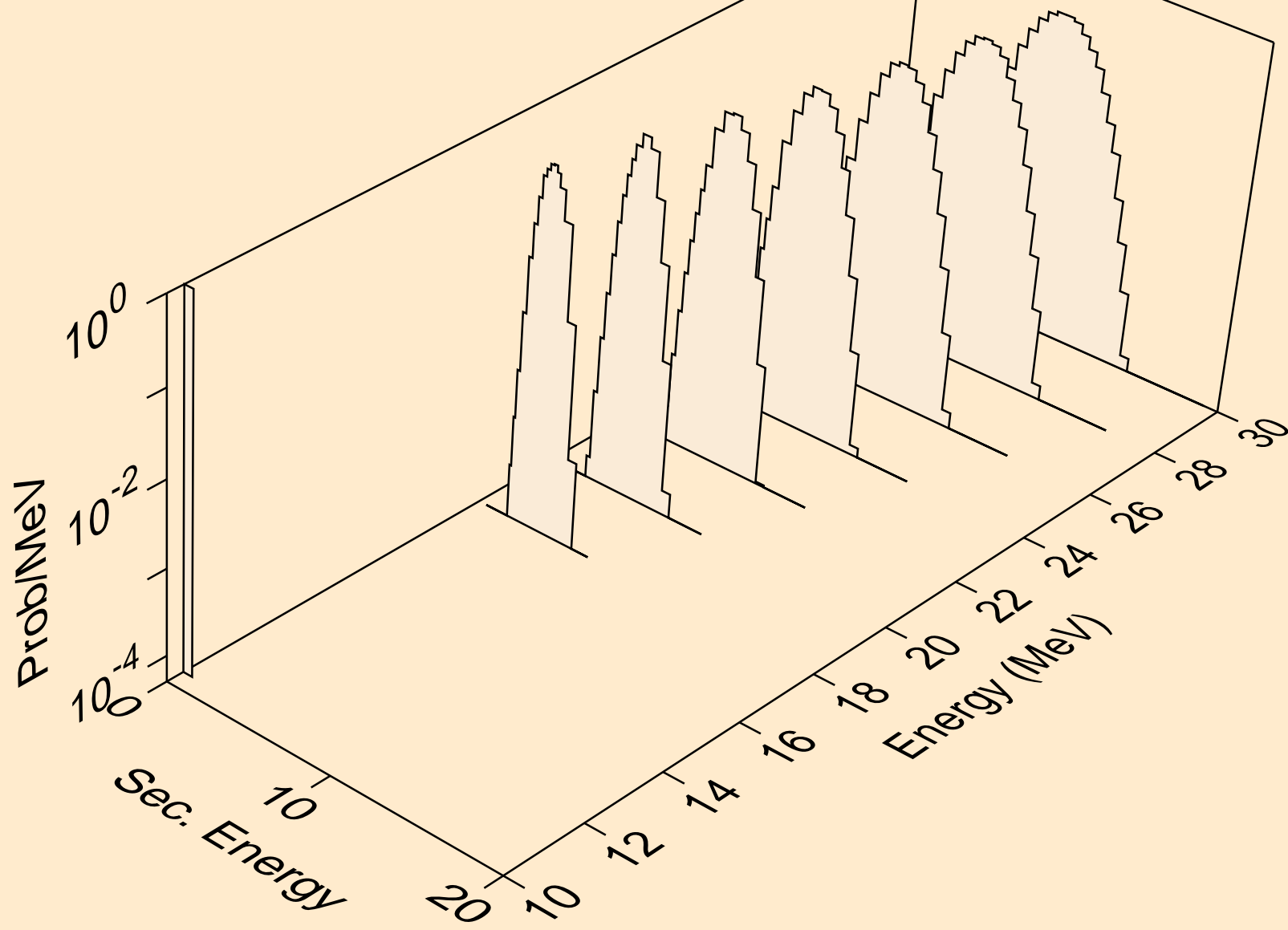
U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,2np)



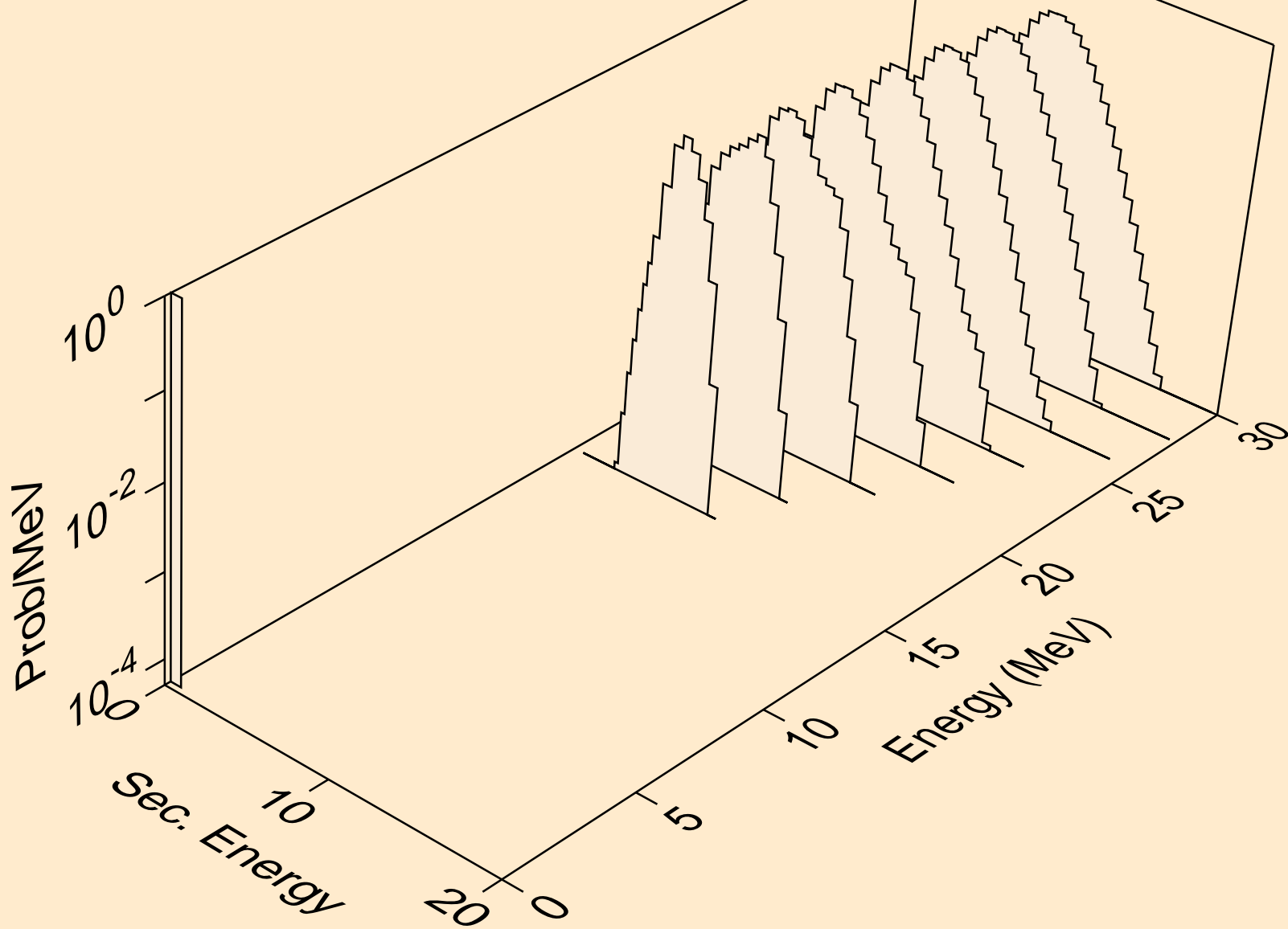
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protons from (n,3np)



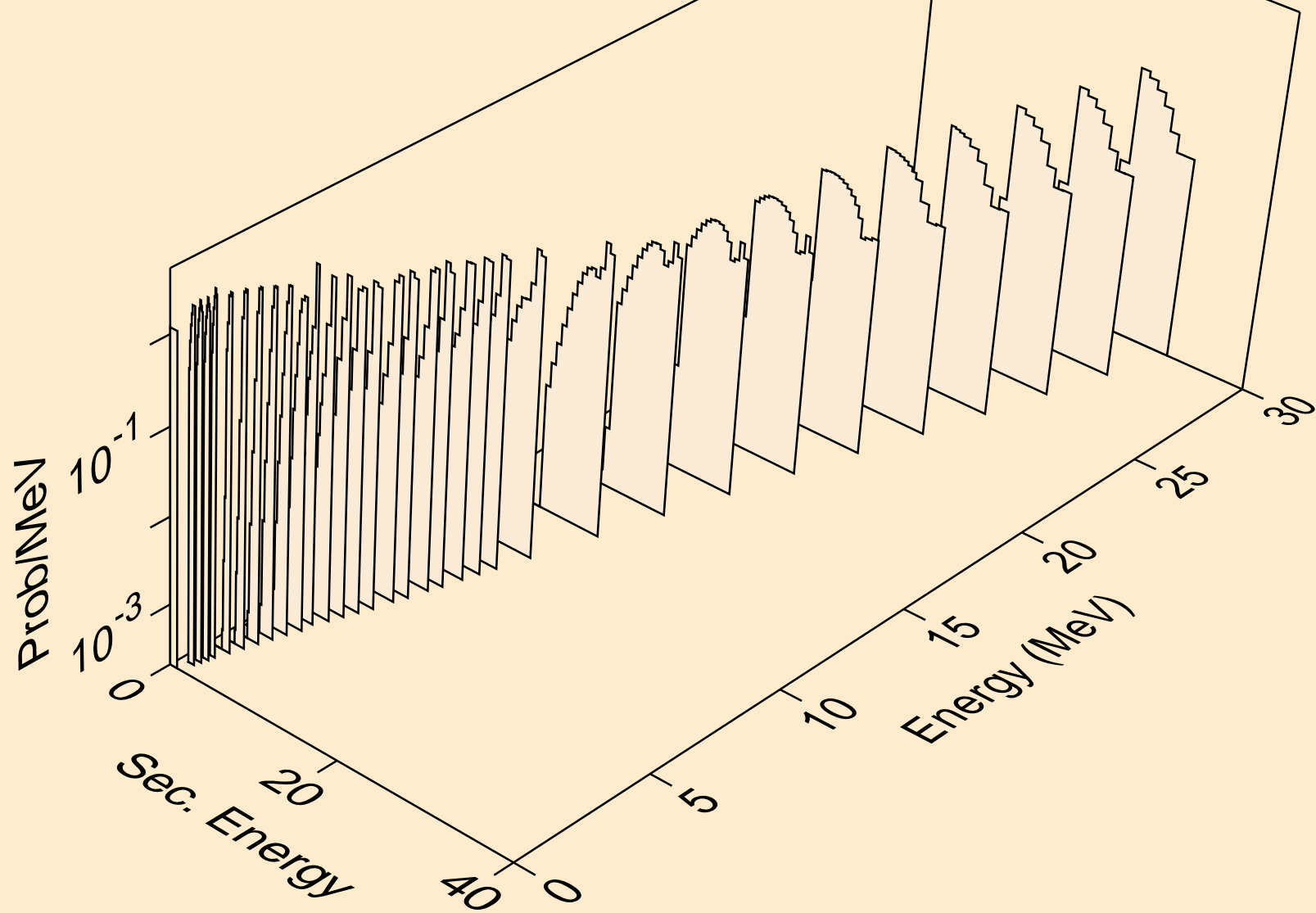
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protons from (n,n2p)



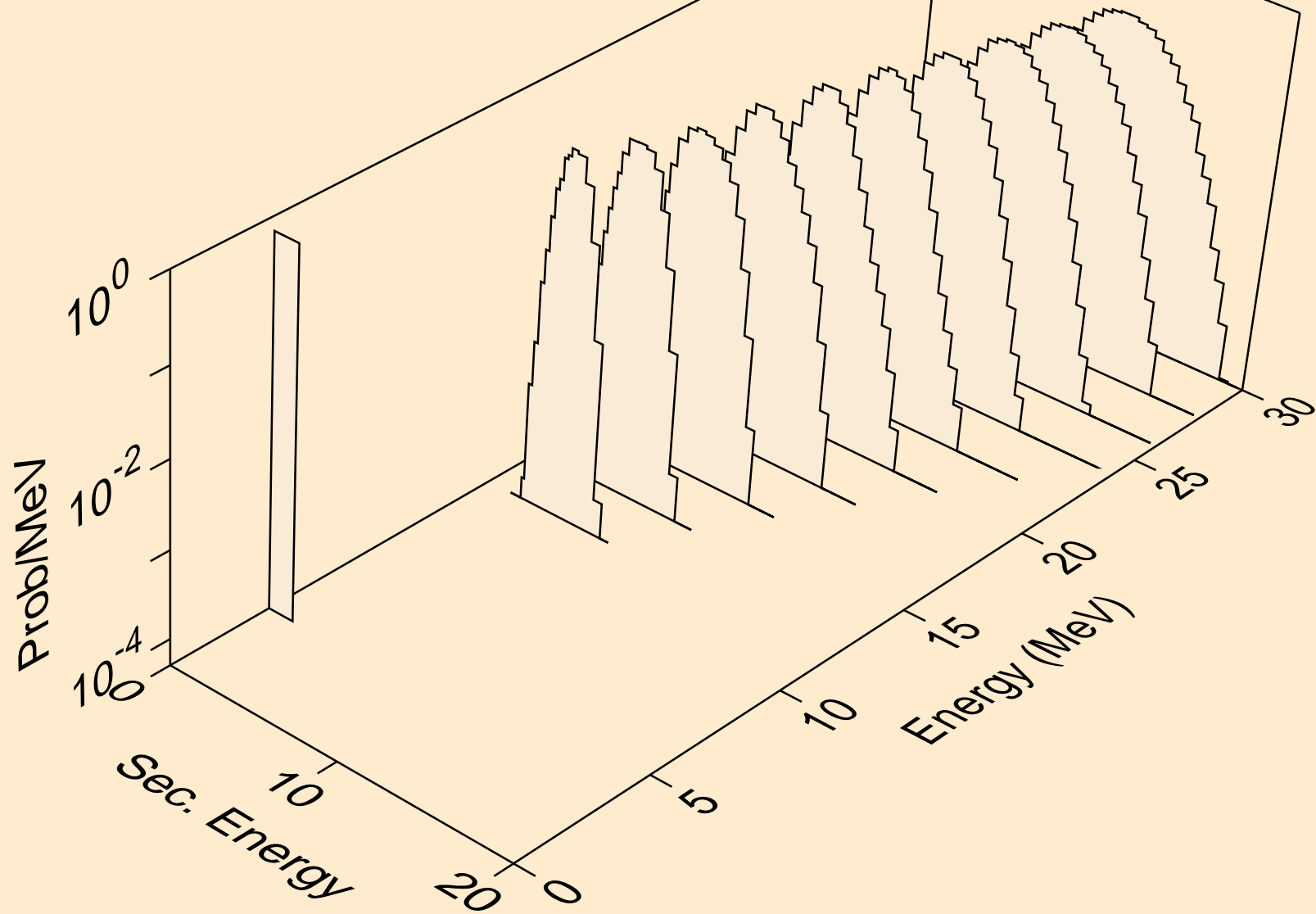
U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,npa)



U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,p)

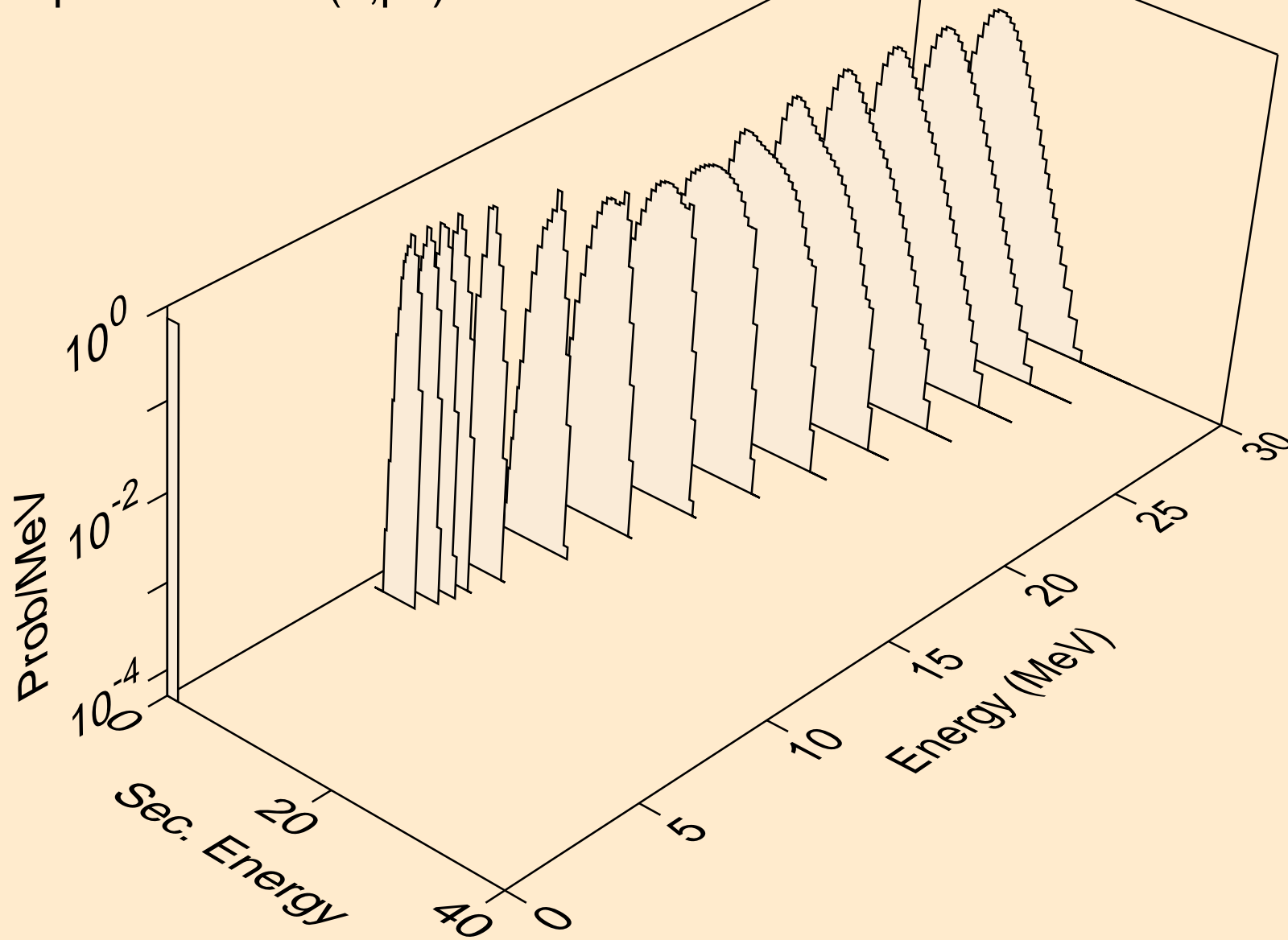


U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,2p)

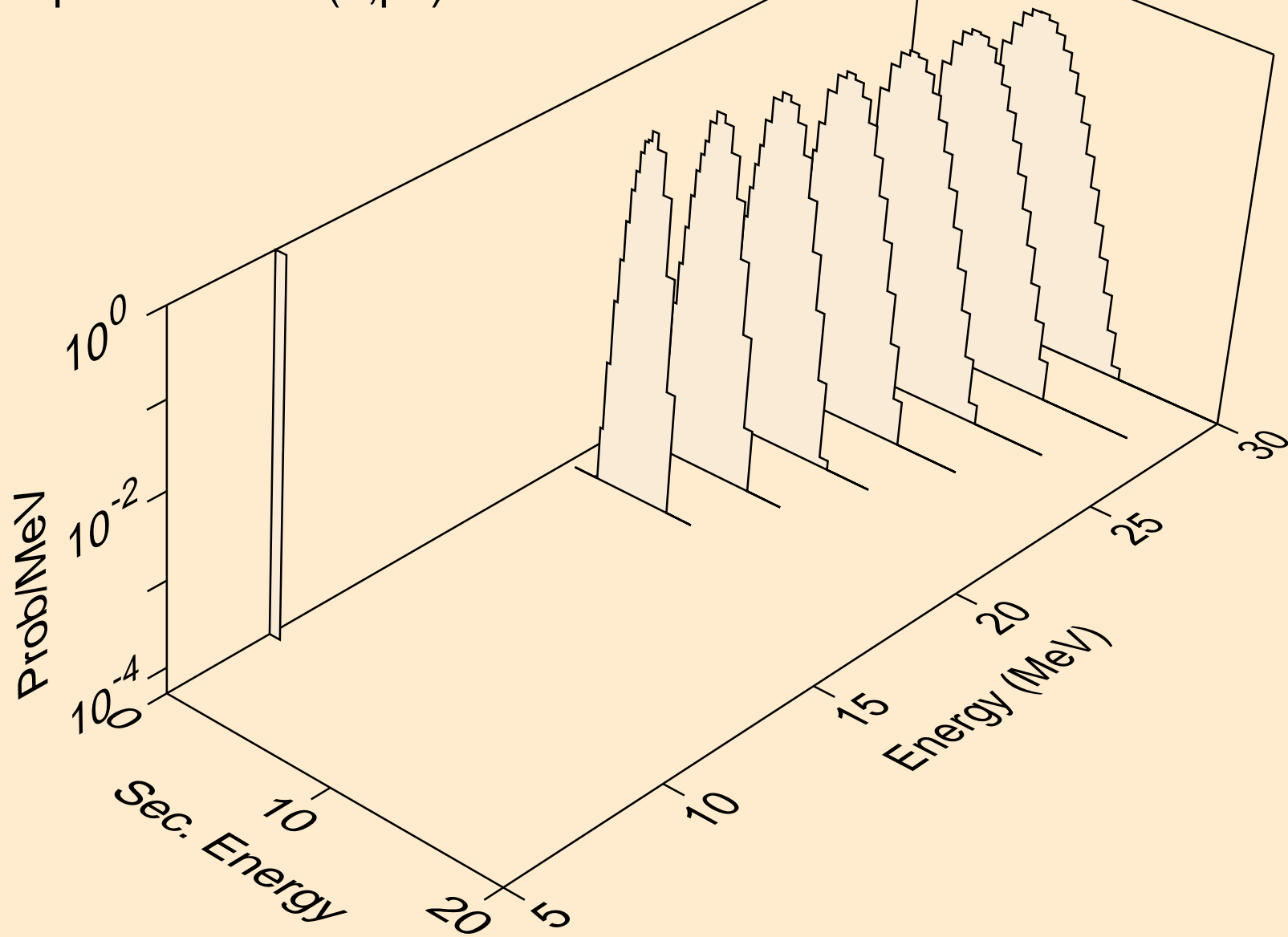




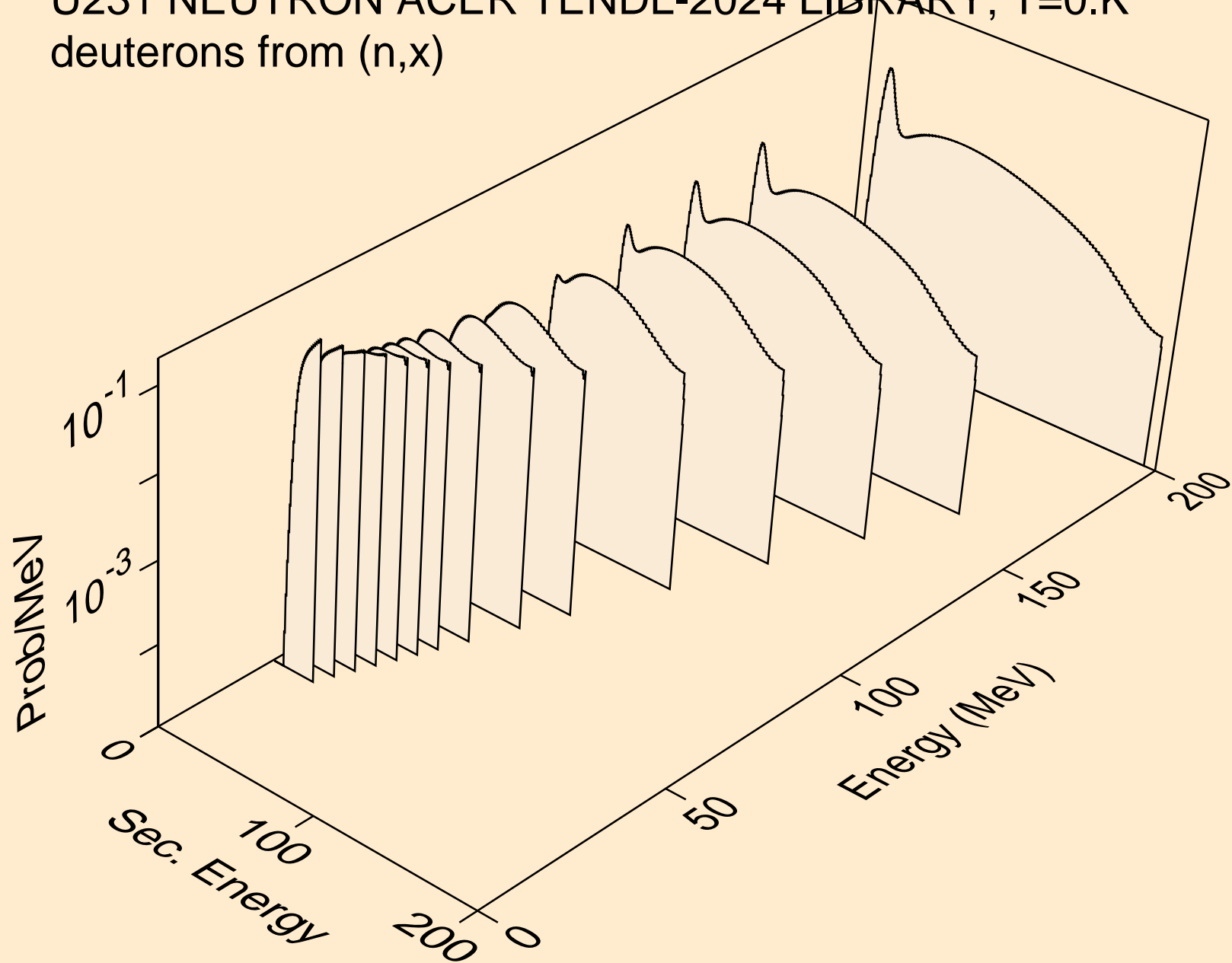
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protons from (n,p)



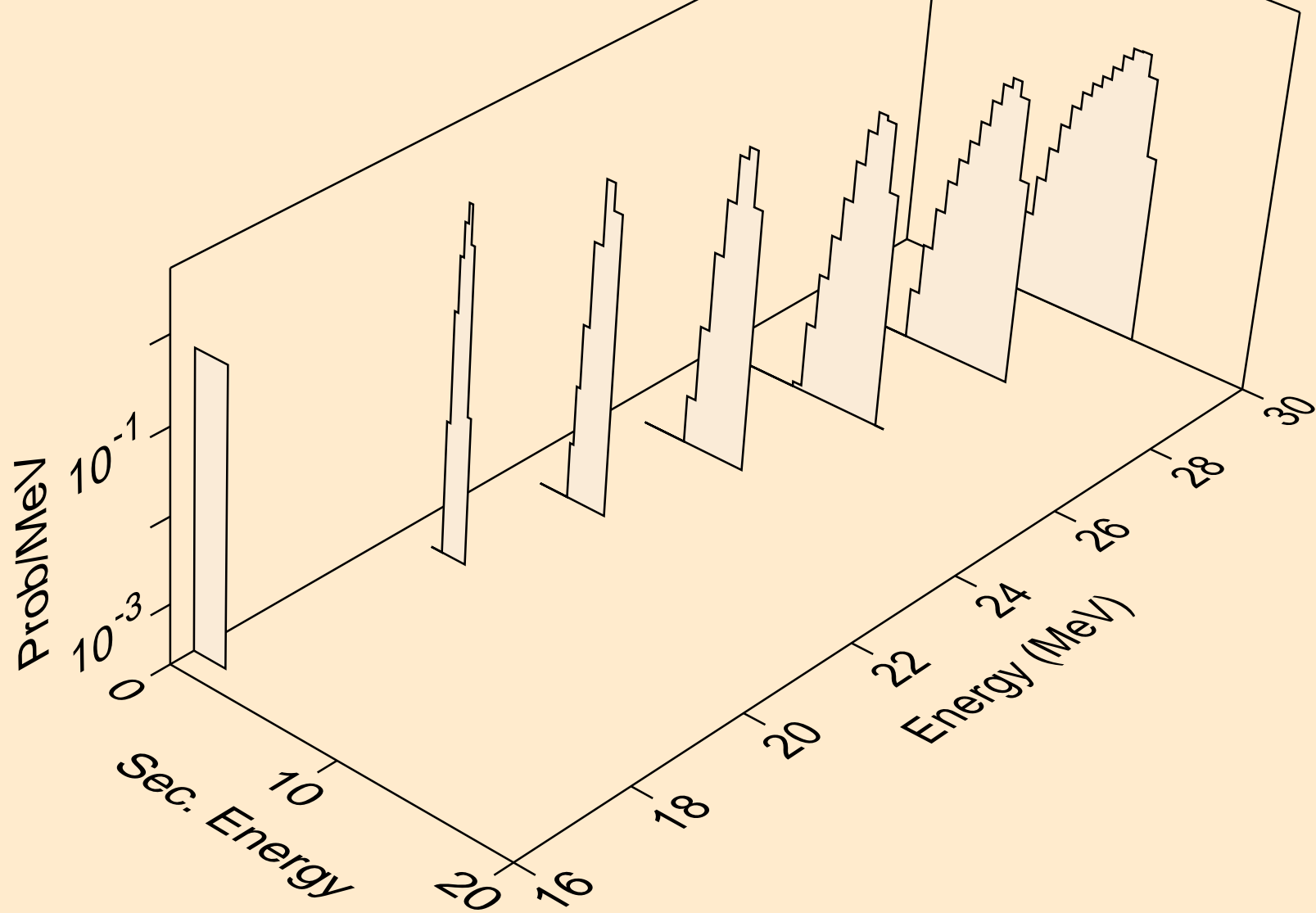
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protons from (n,pd)



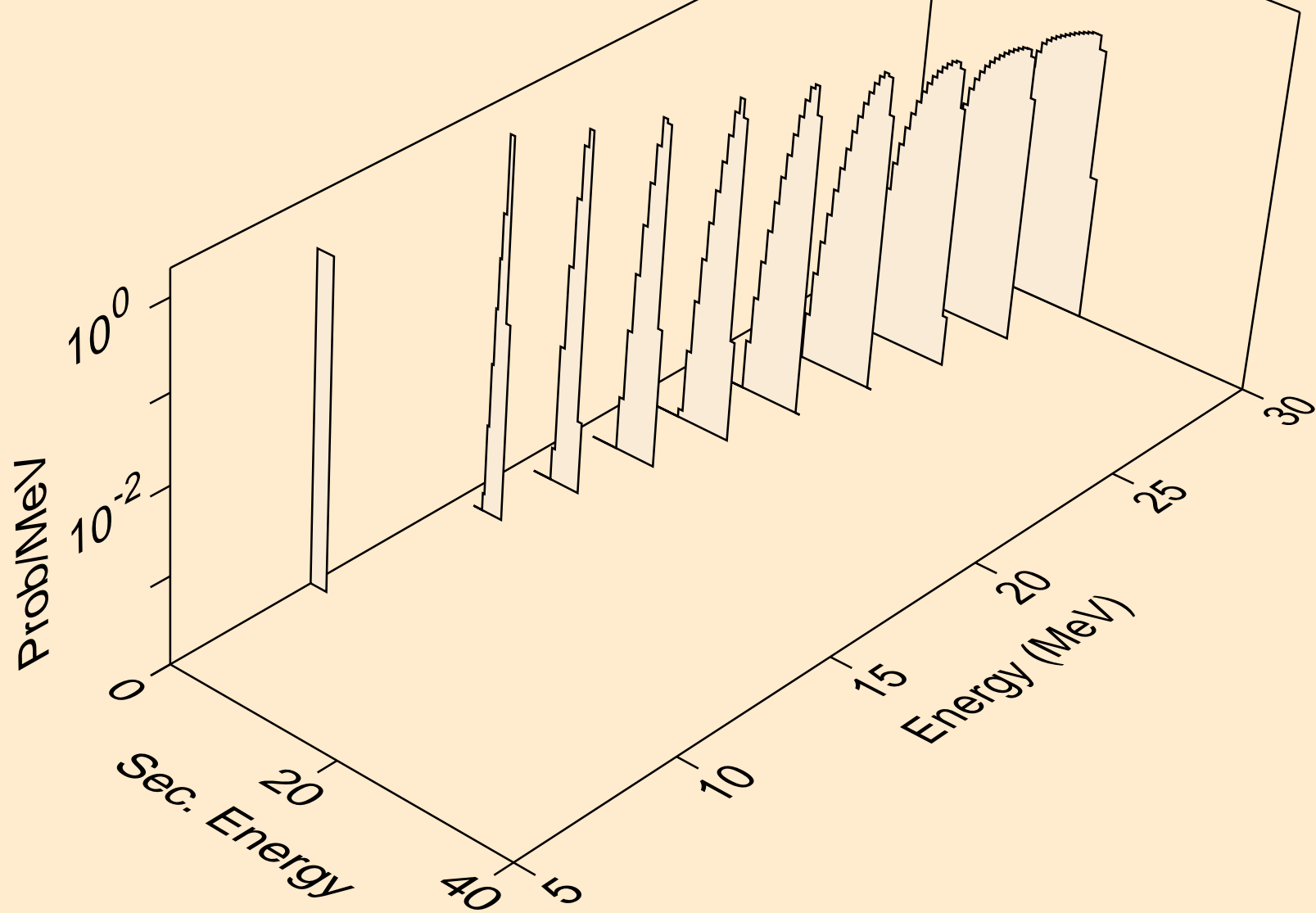
U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,x)



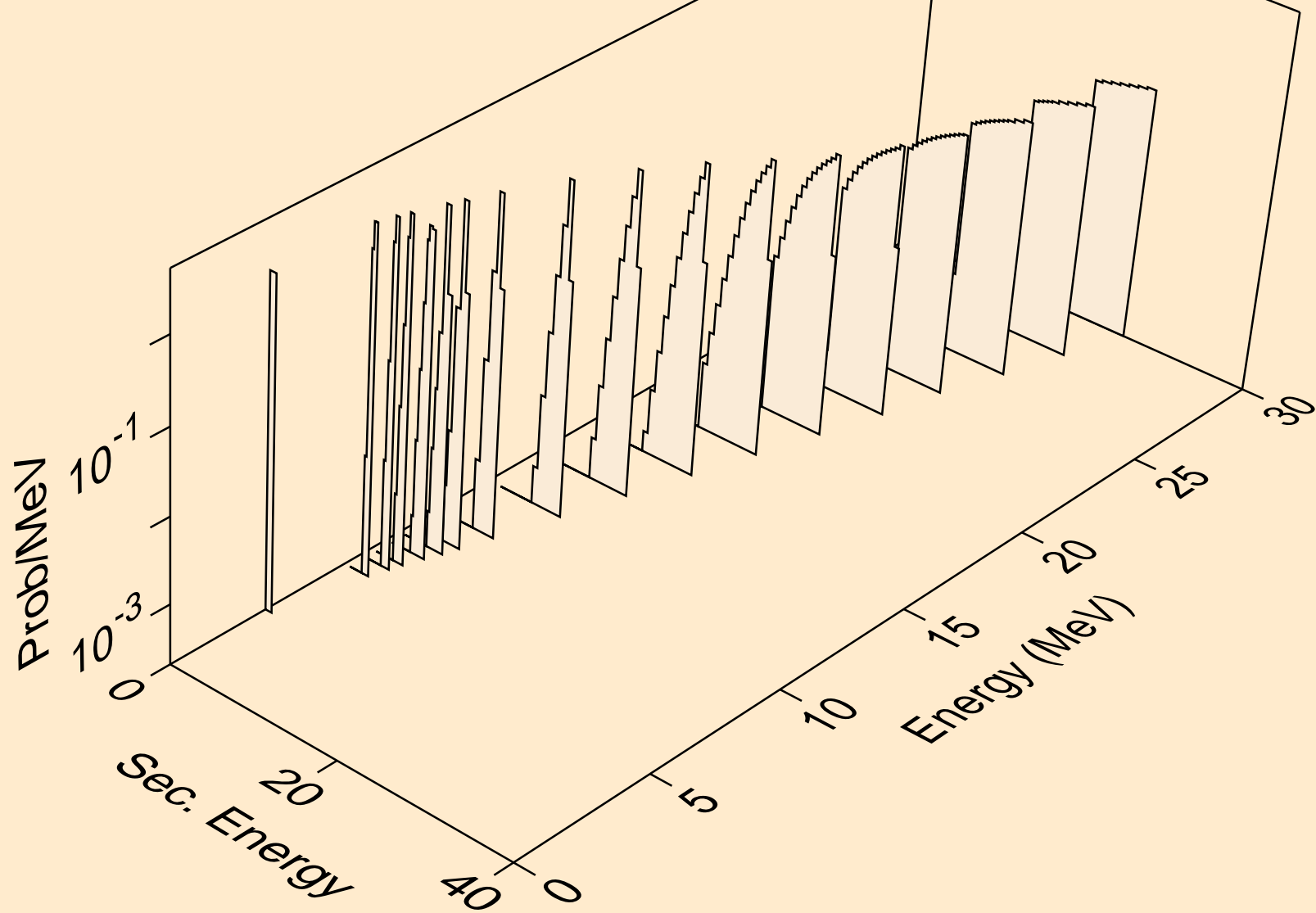
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deuterons from (n,2nd)



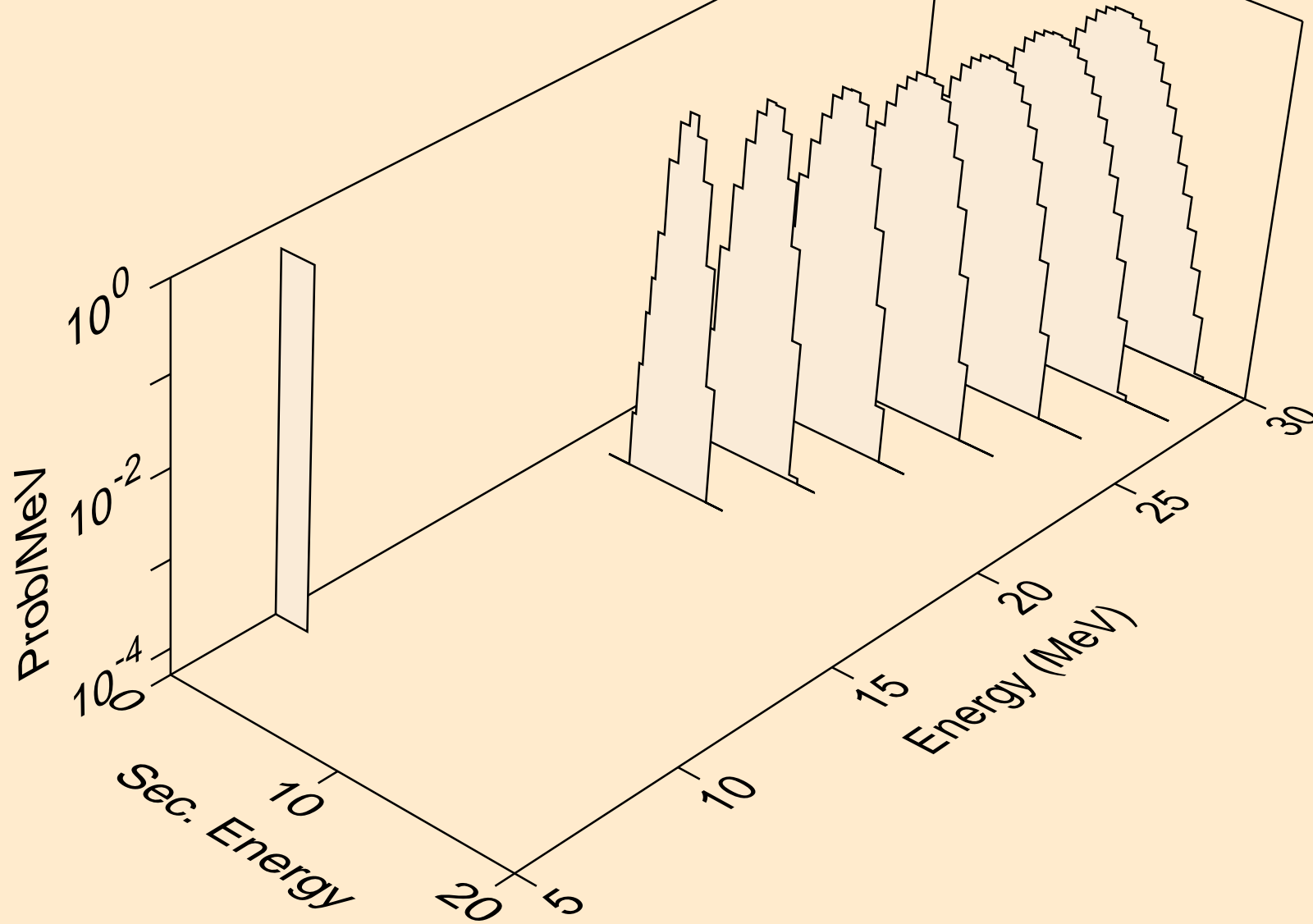
U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,n\*)d



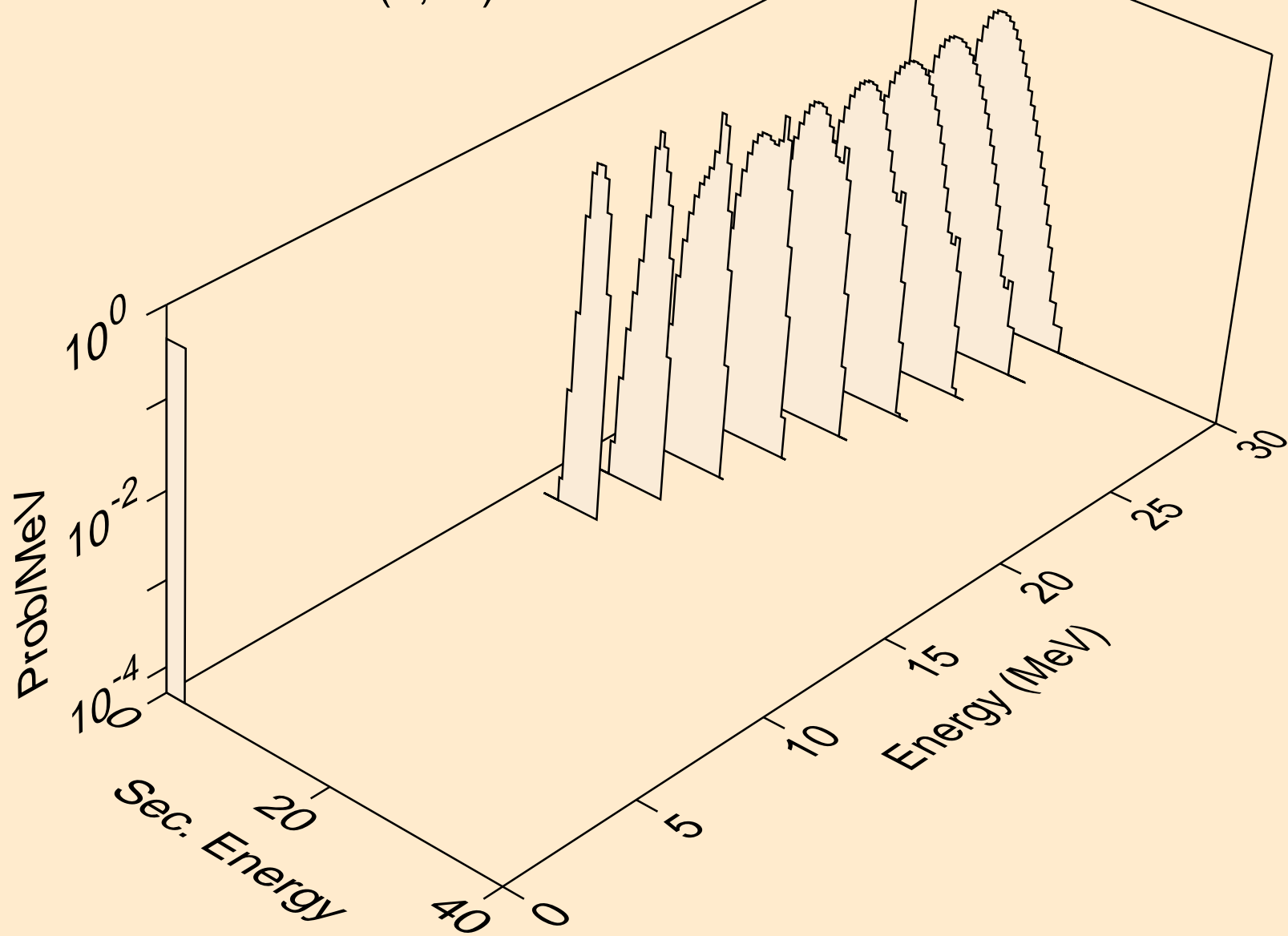
U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,d)



U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,pd)

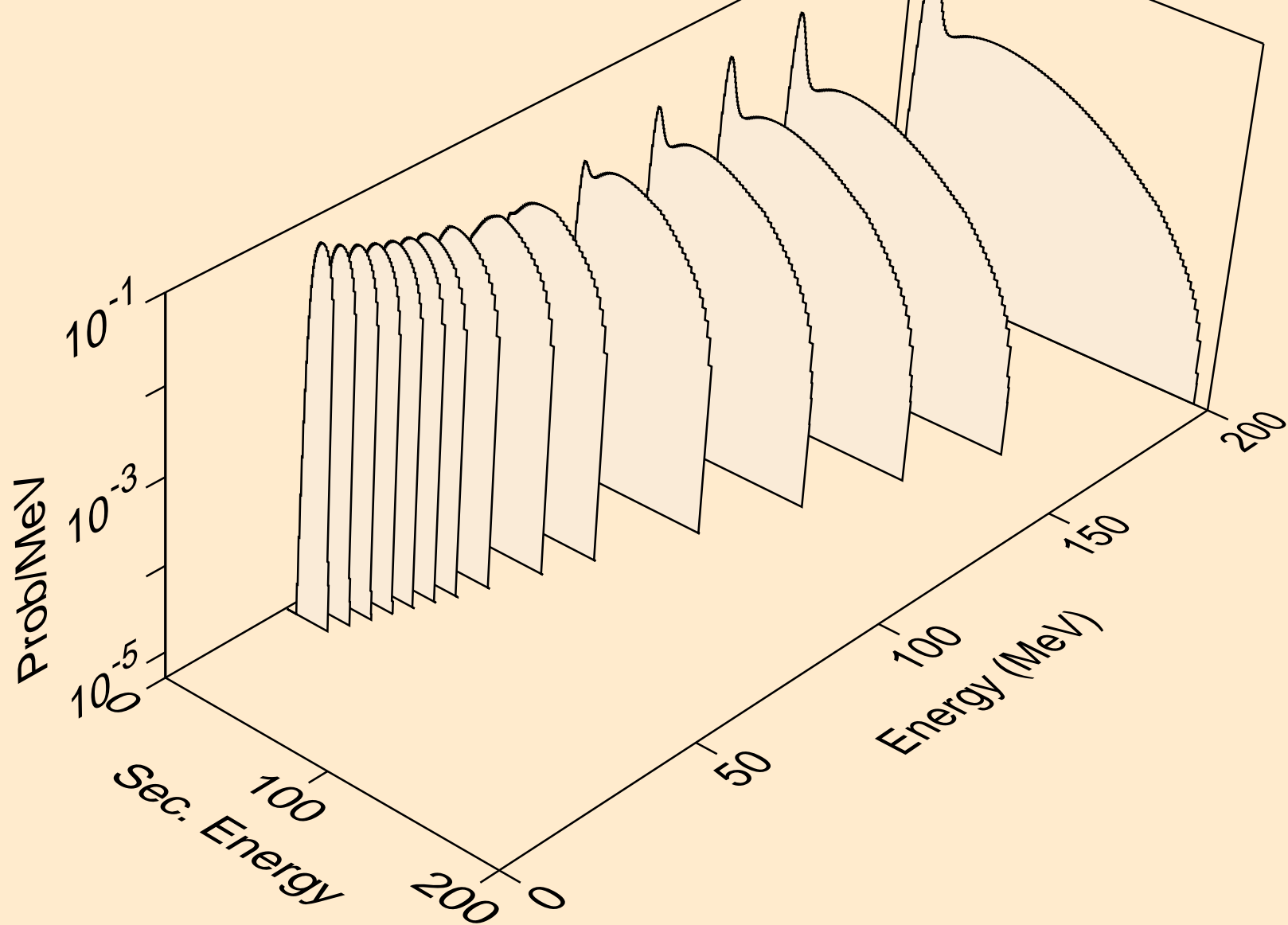


U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,da)

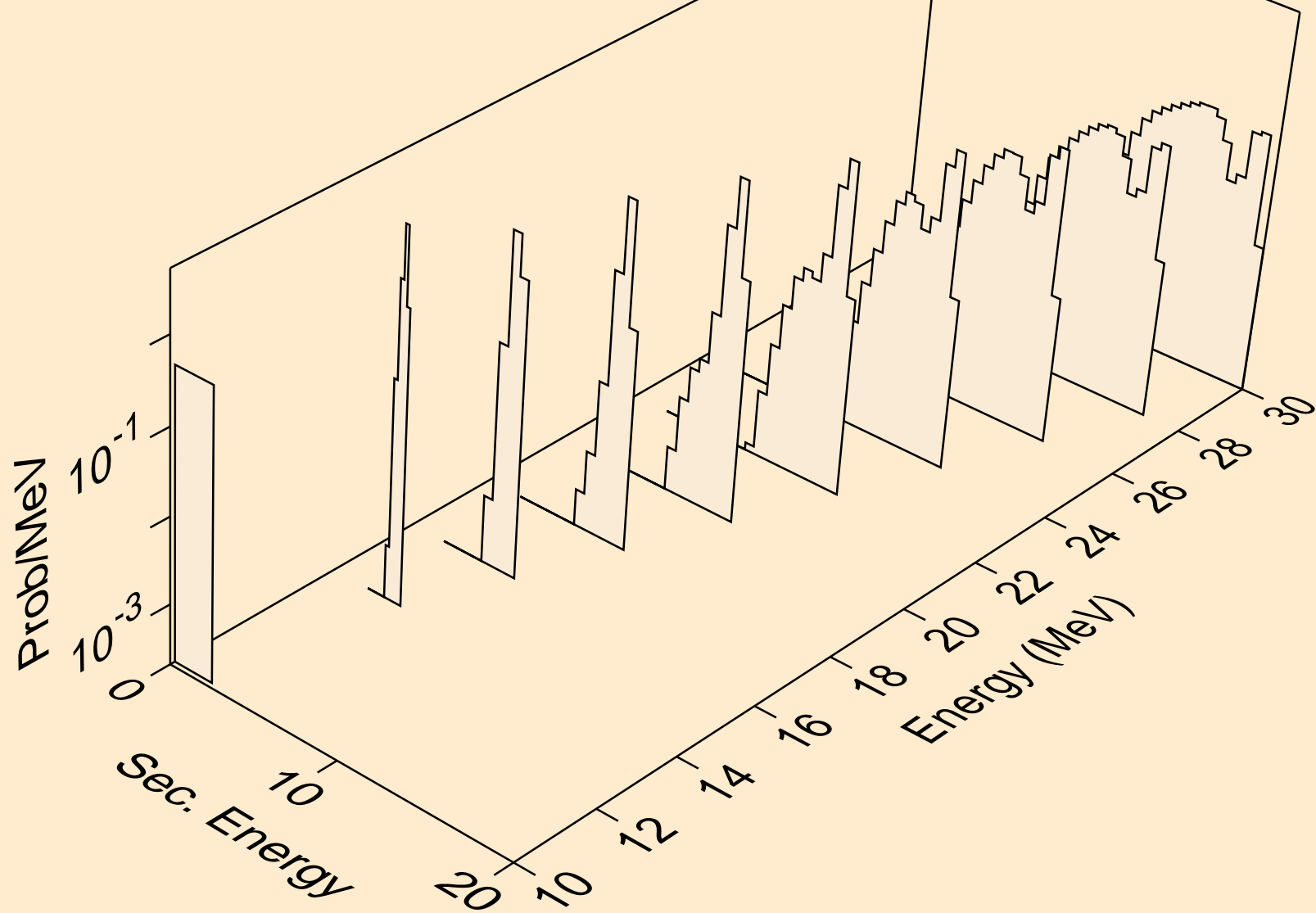




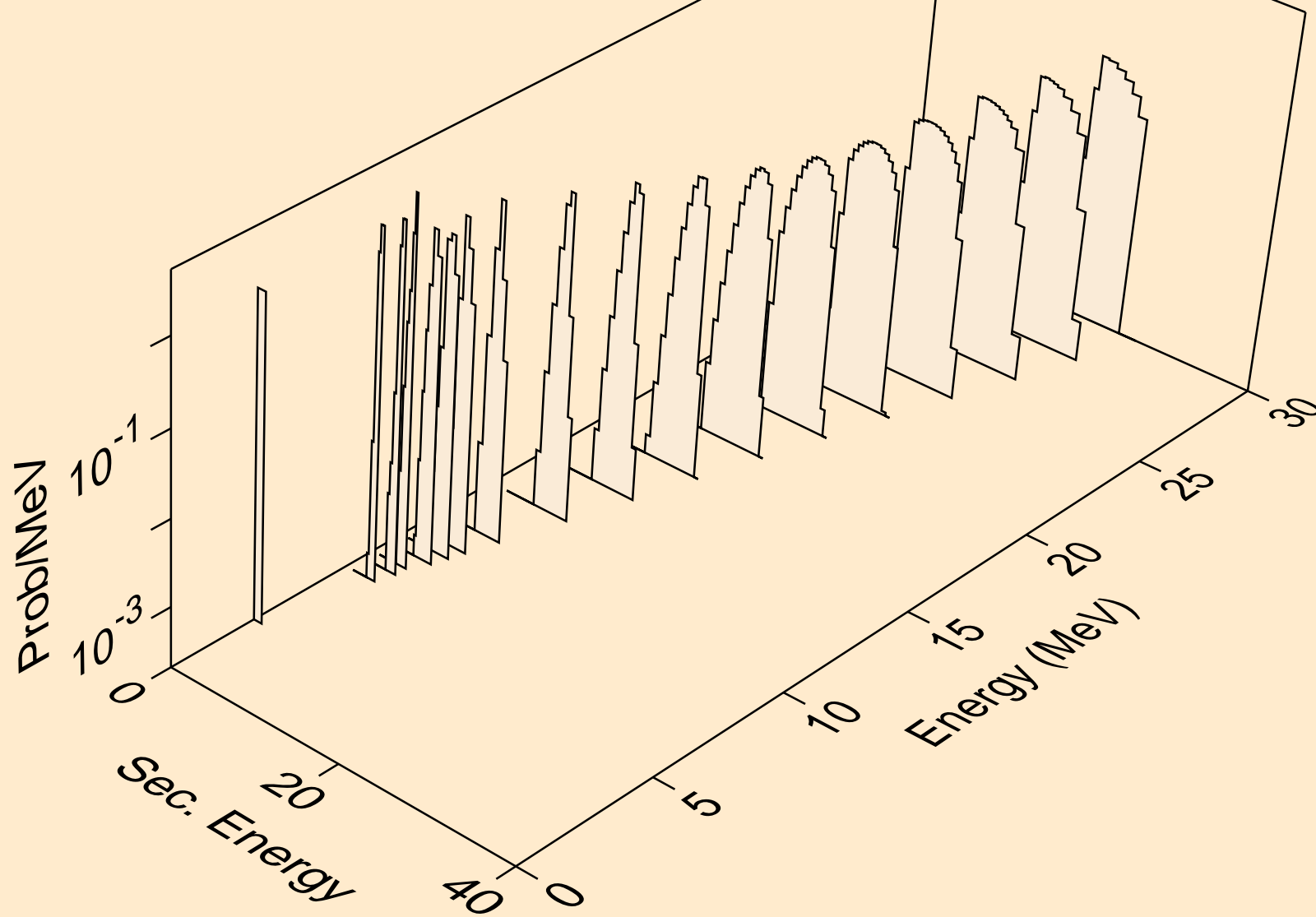
U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,x)



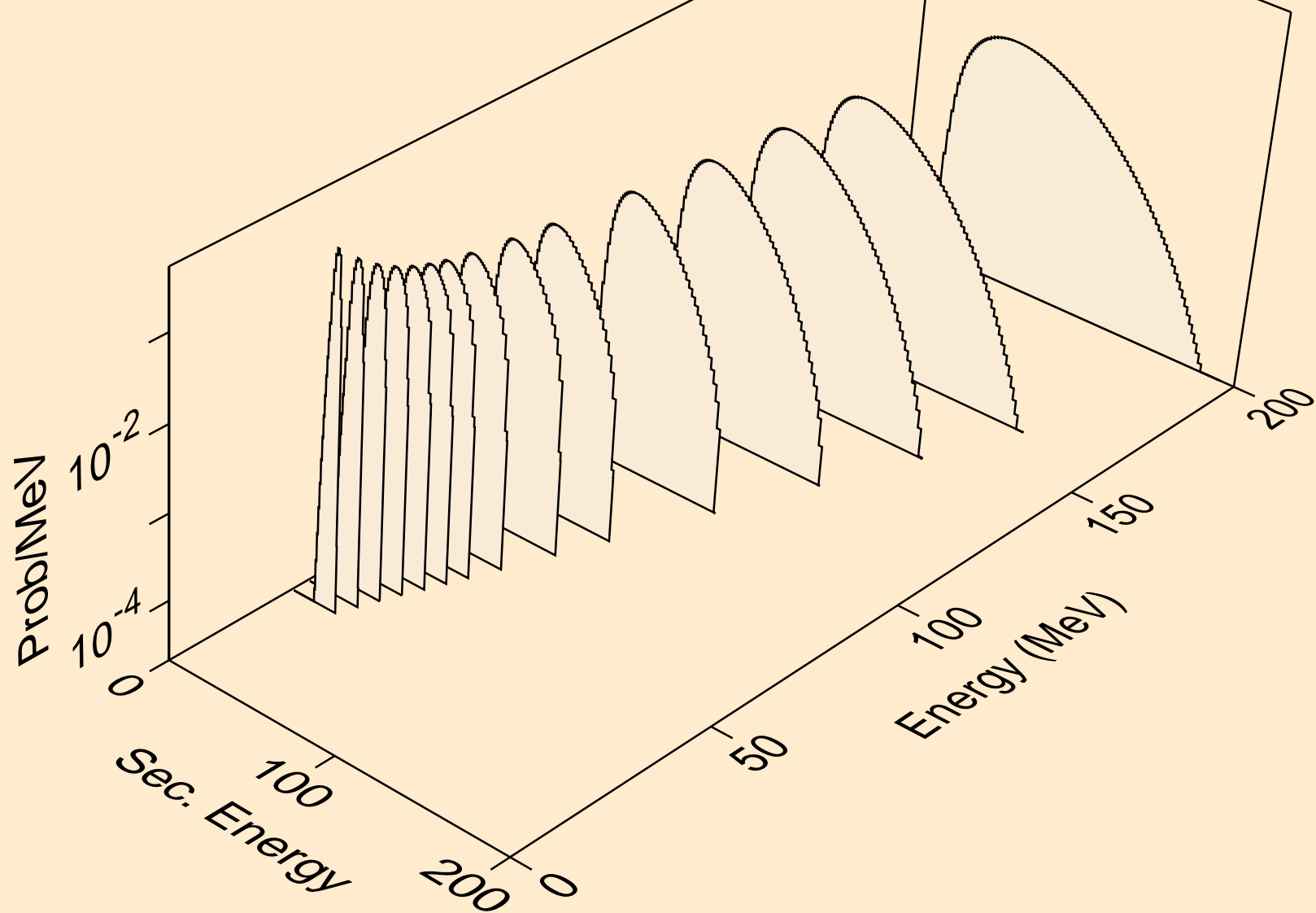
U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,n\*)t



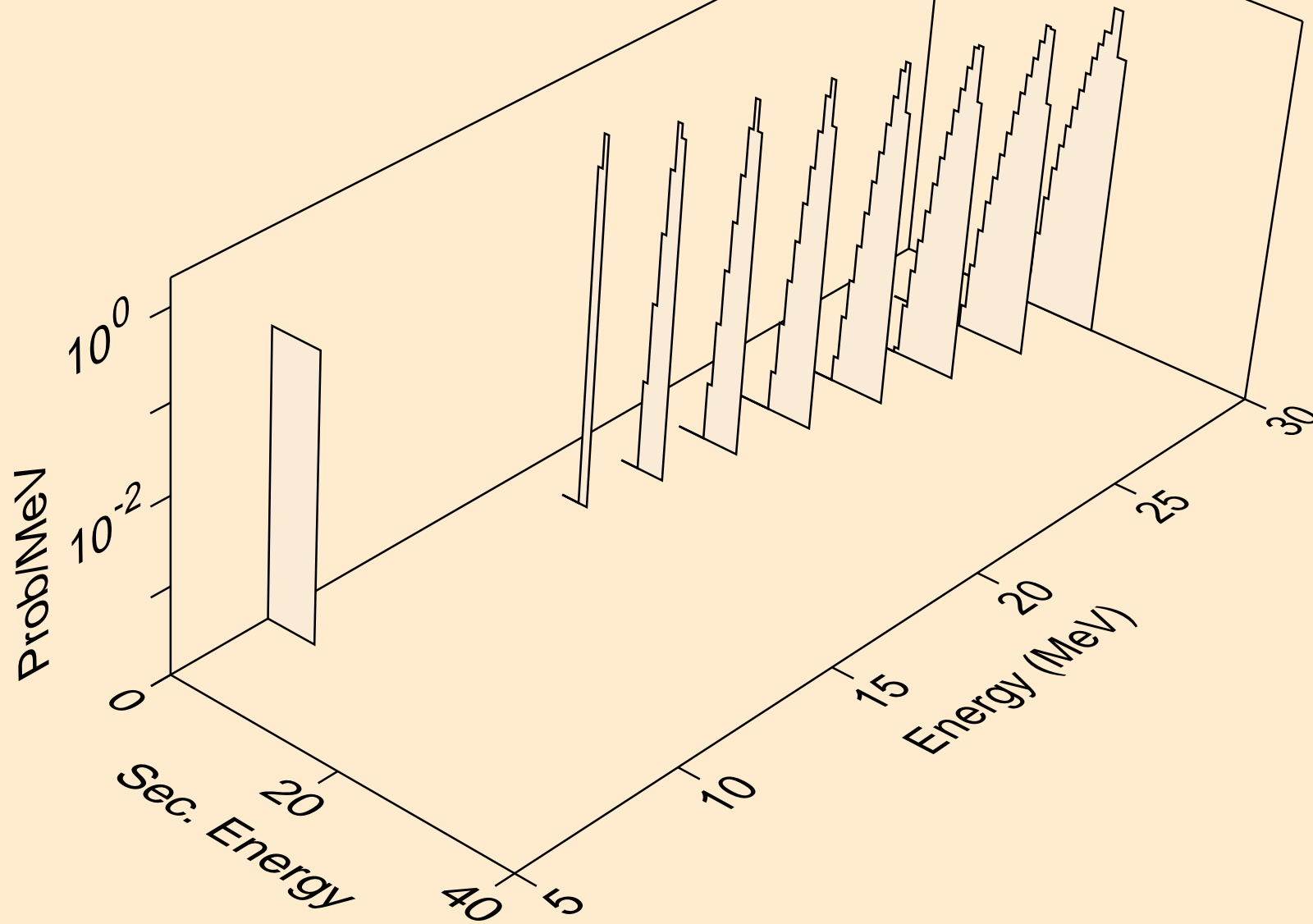
U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,t)



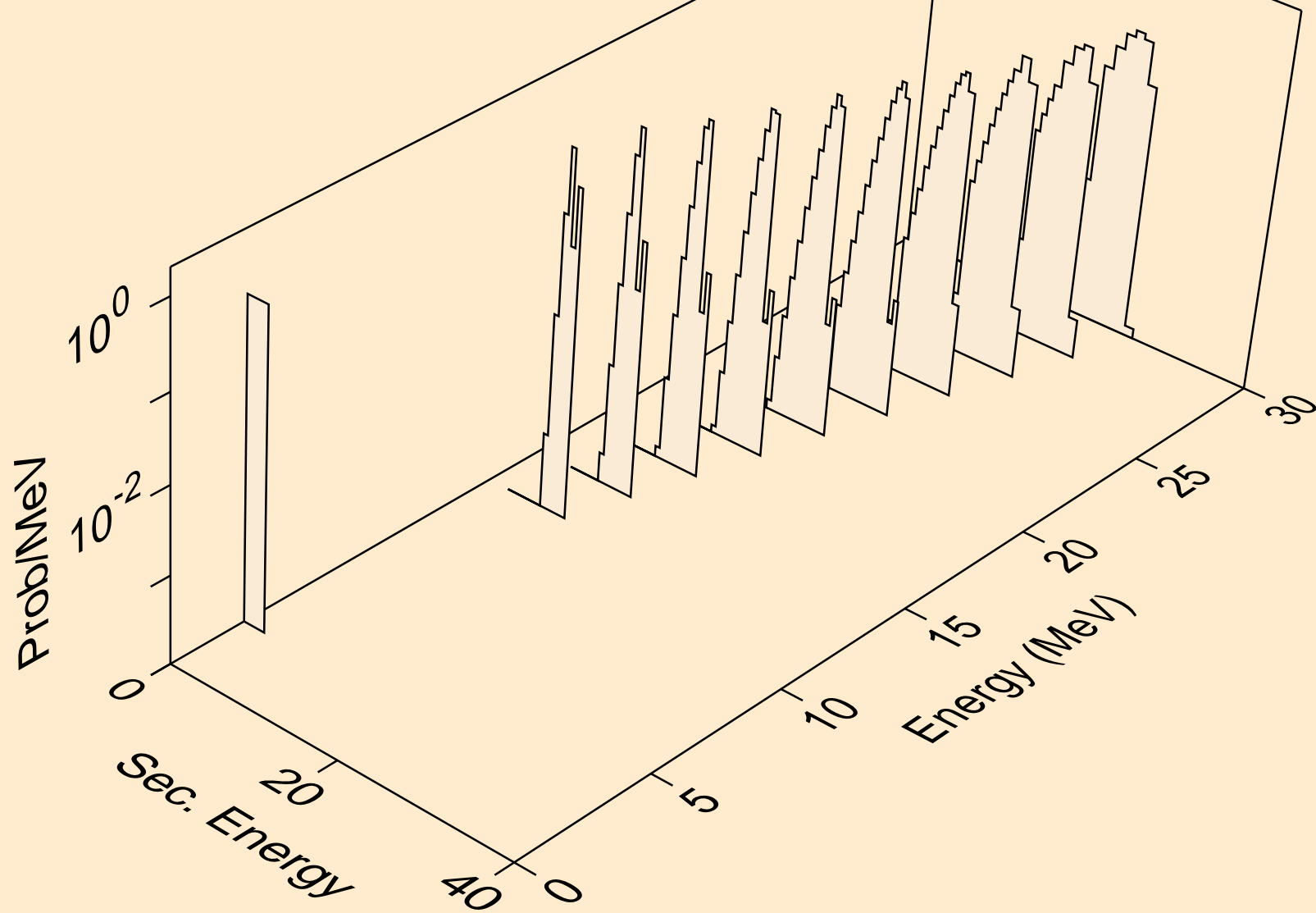
U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,x)



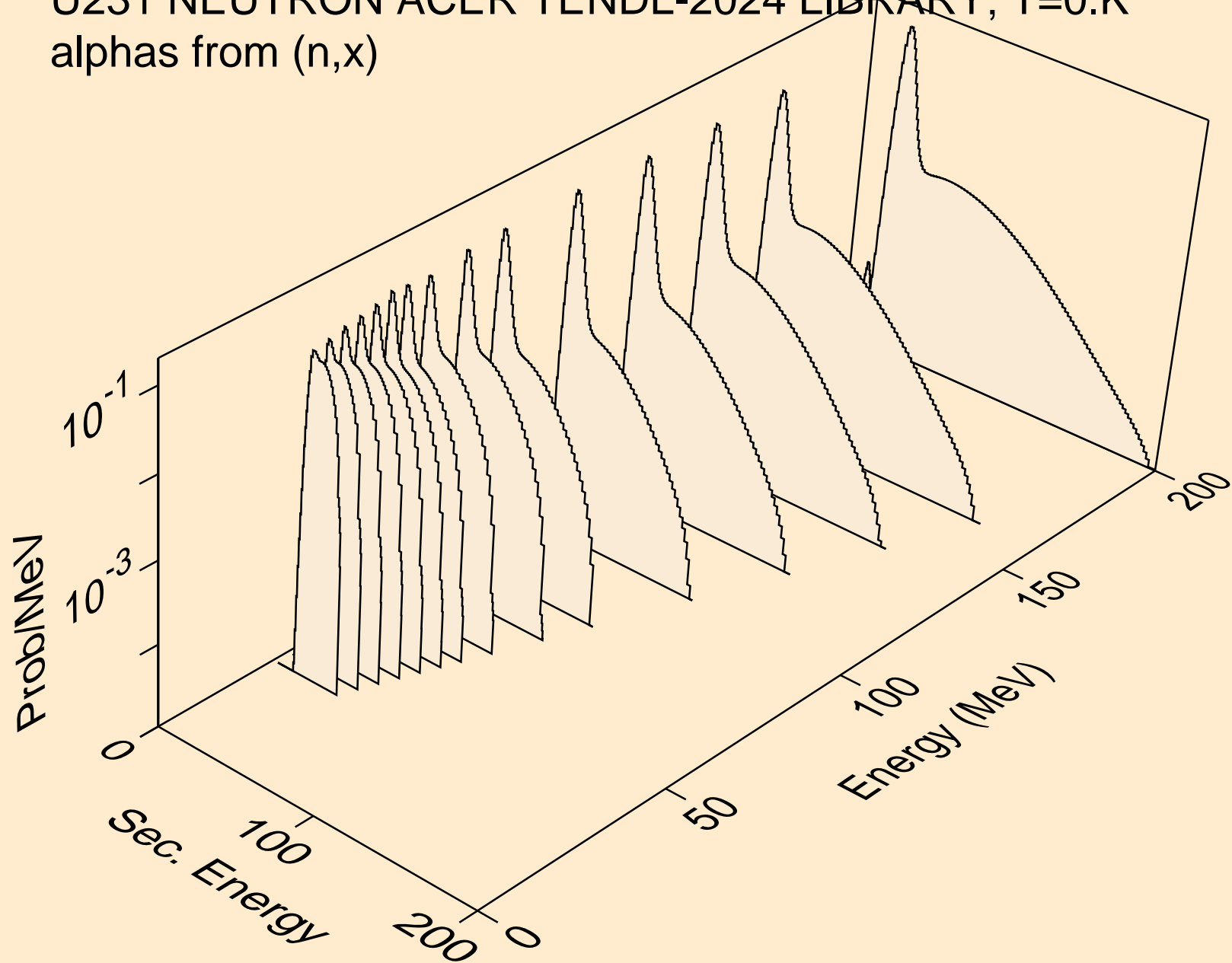
U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,n\*)he3



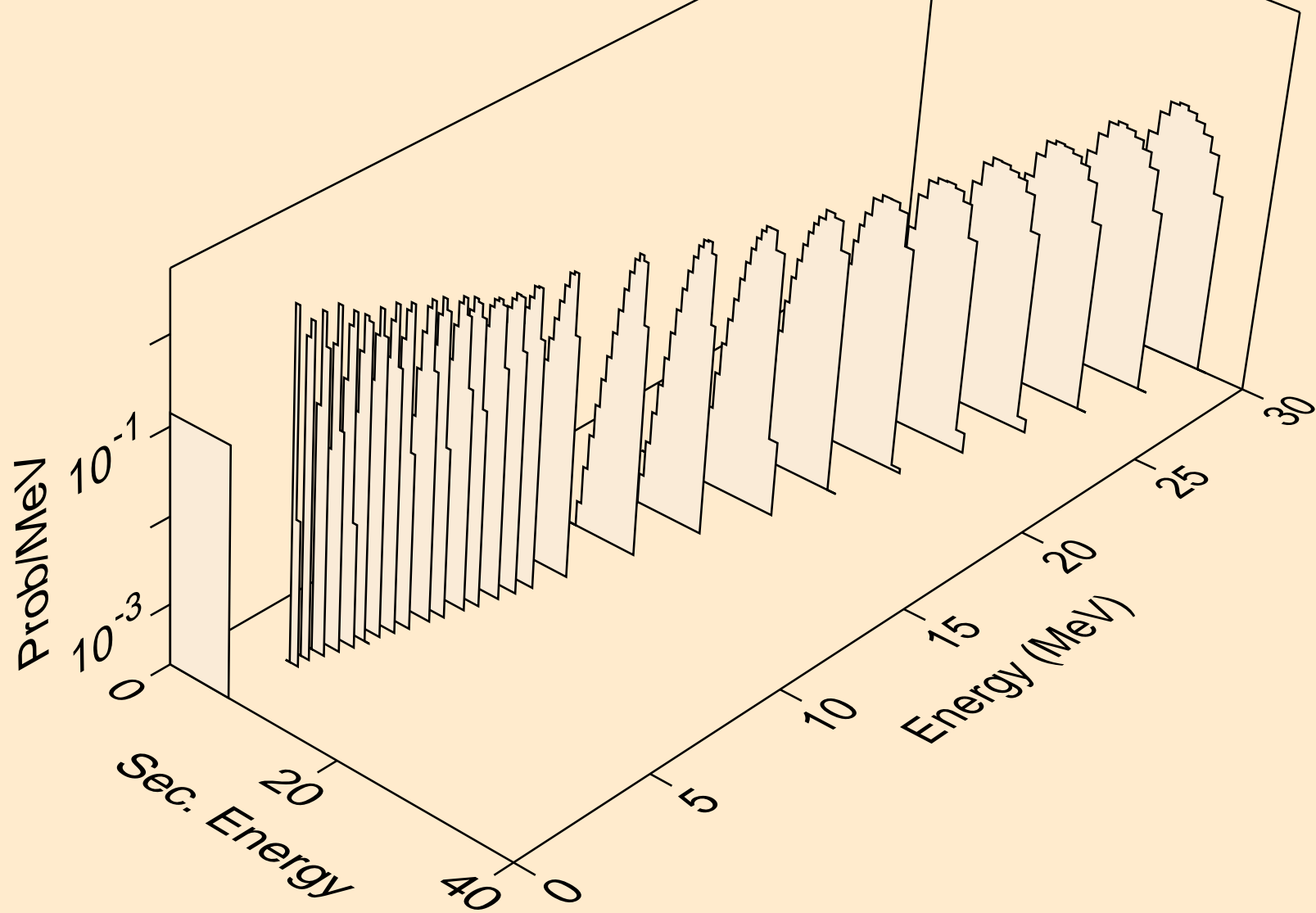
U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,he3)



U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,x)

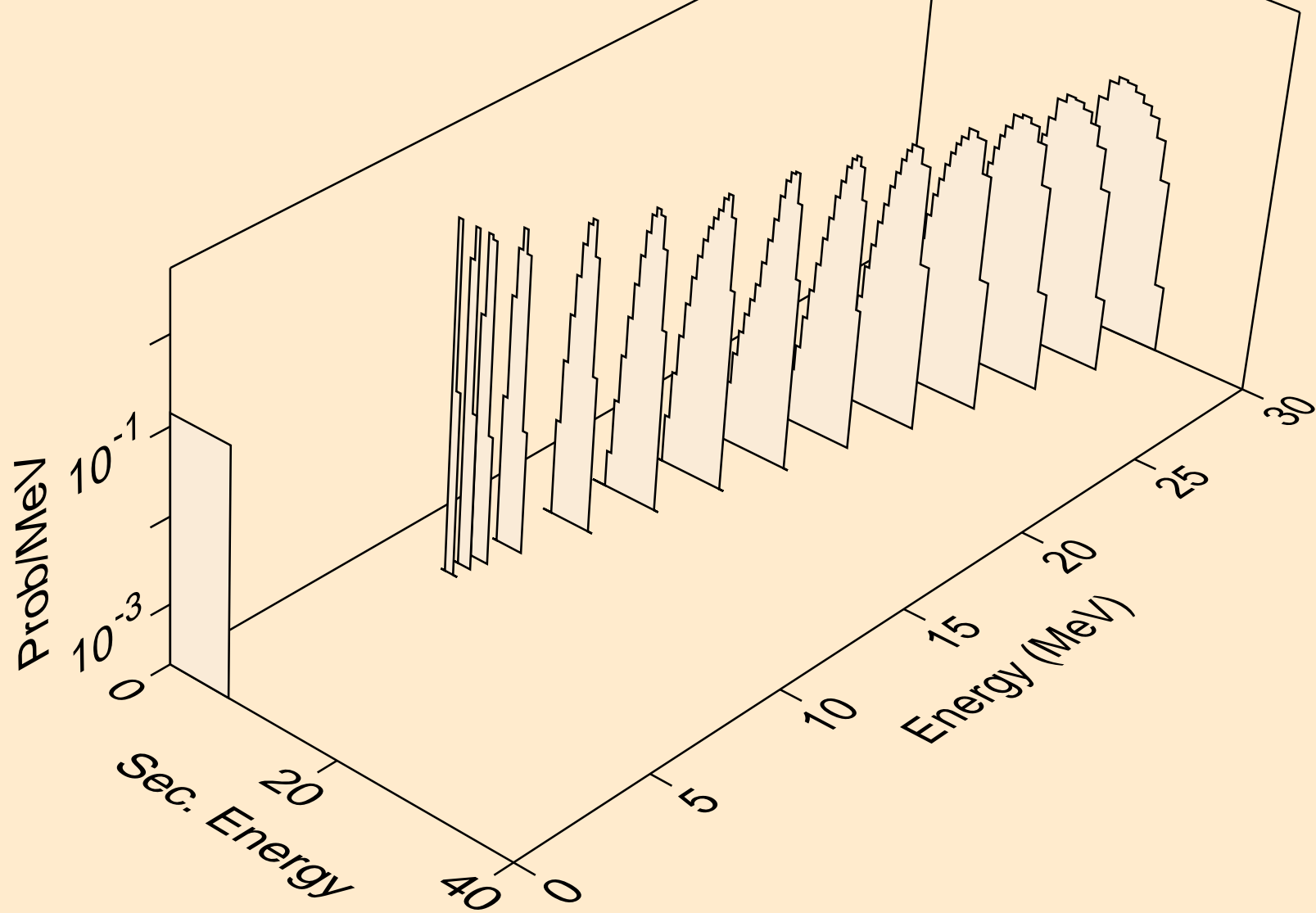


U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)a

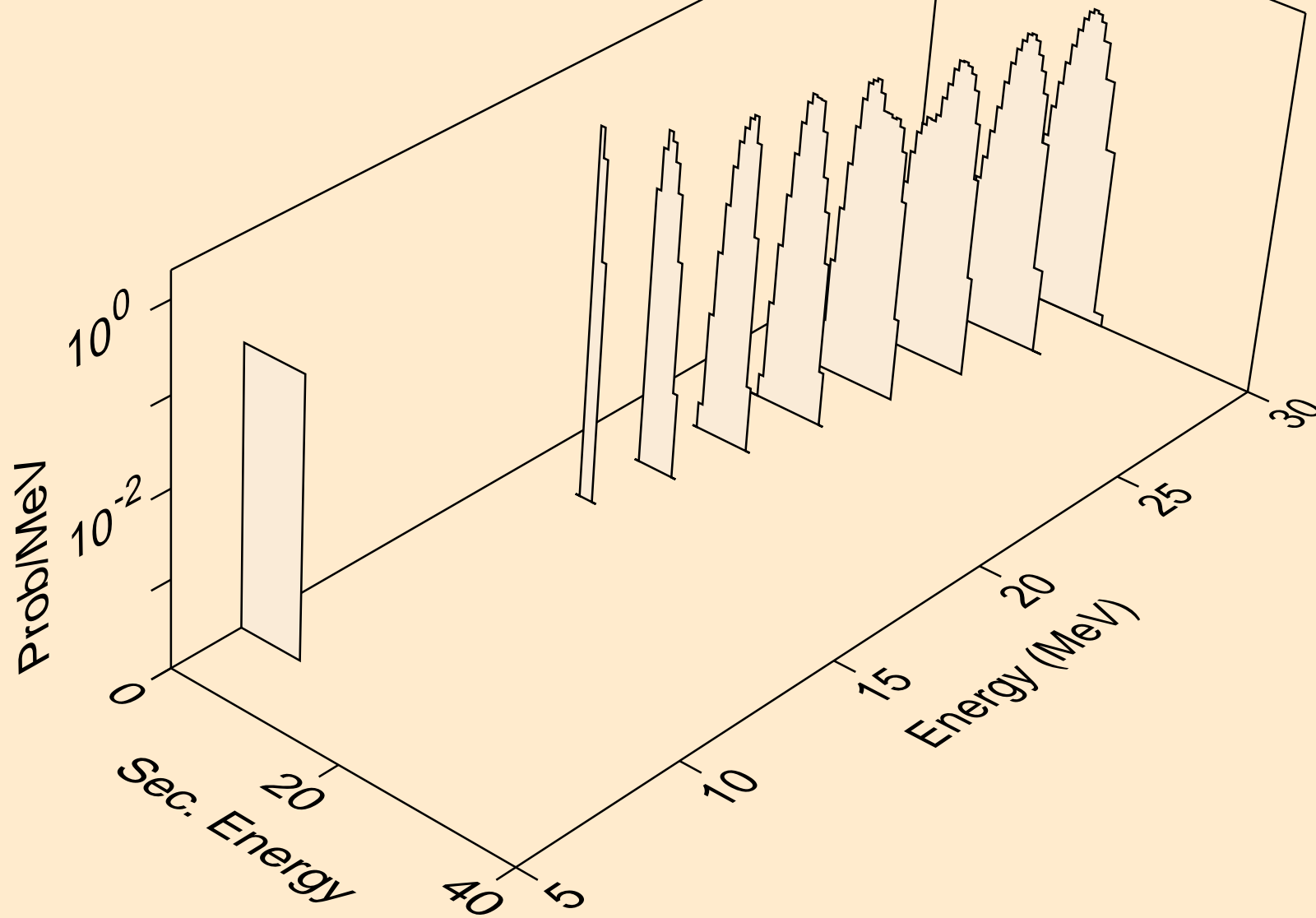




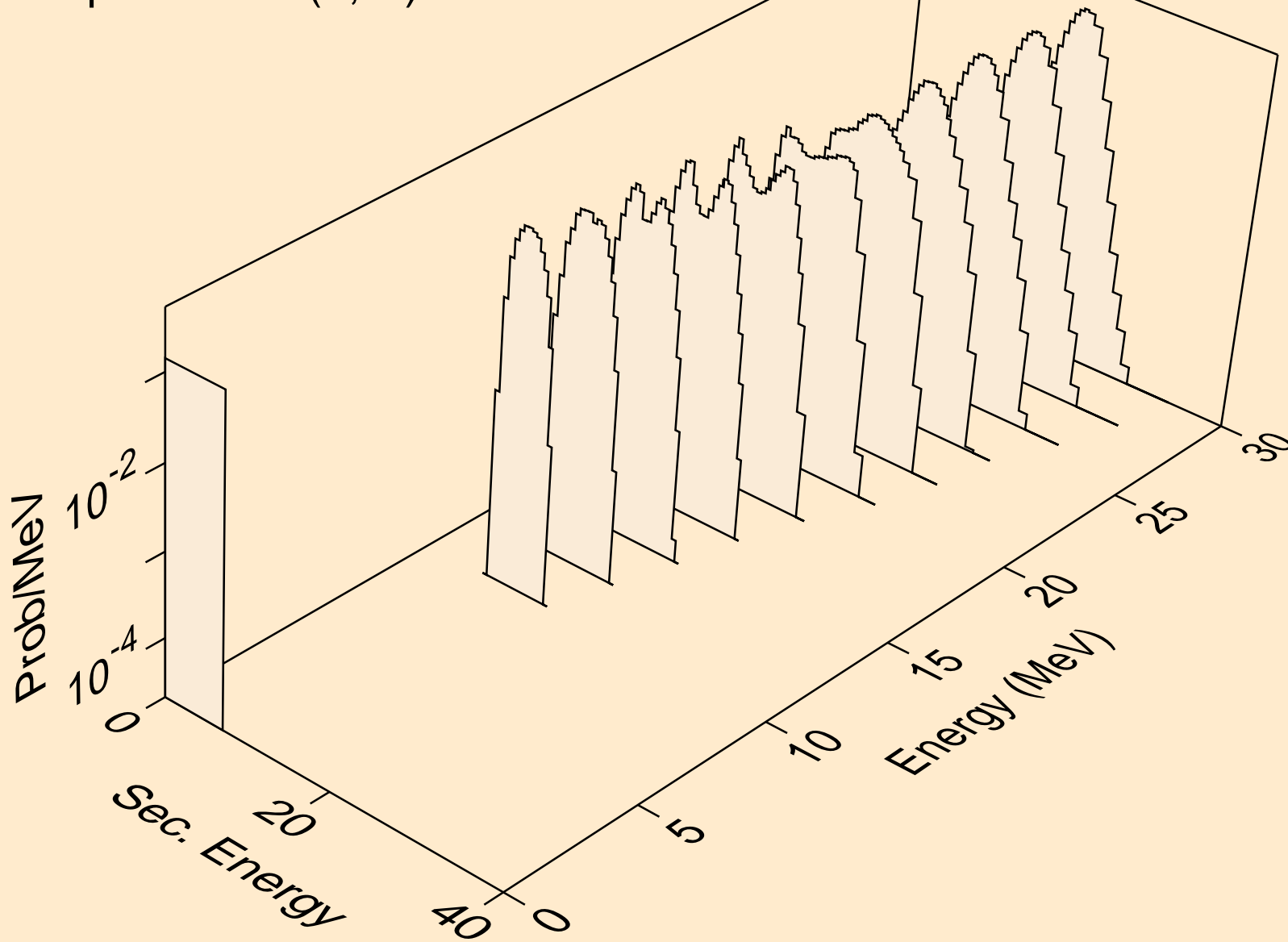
U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2n)a



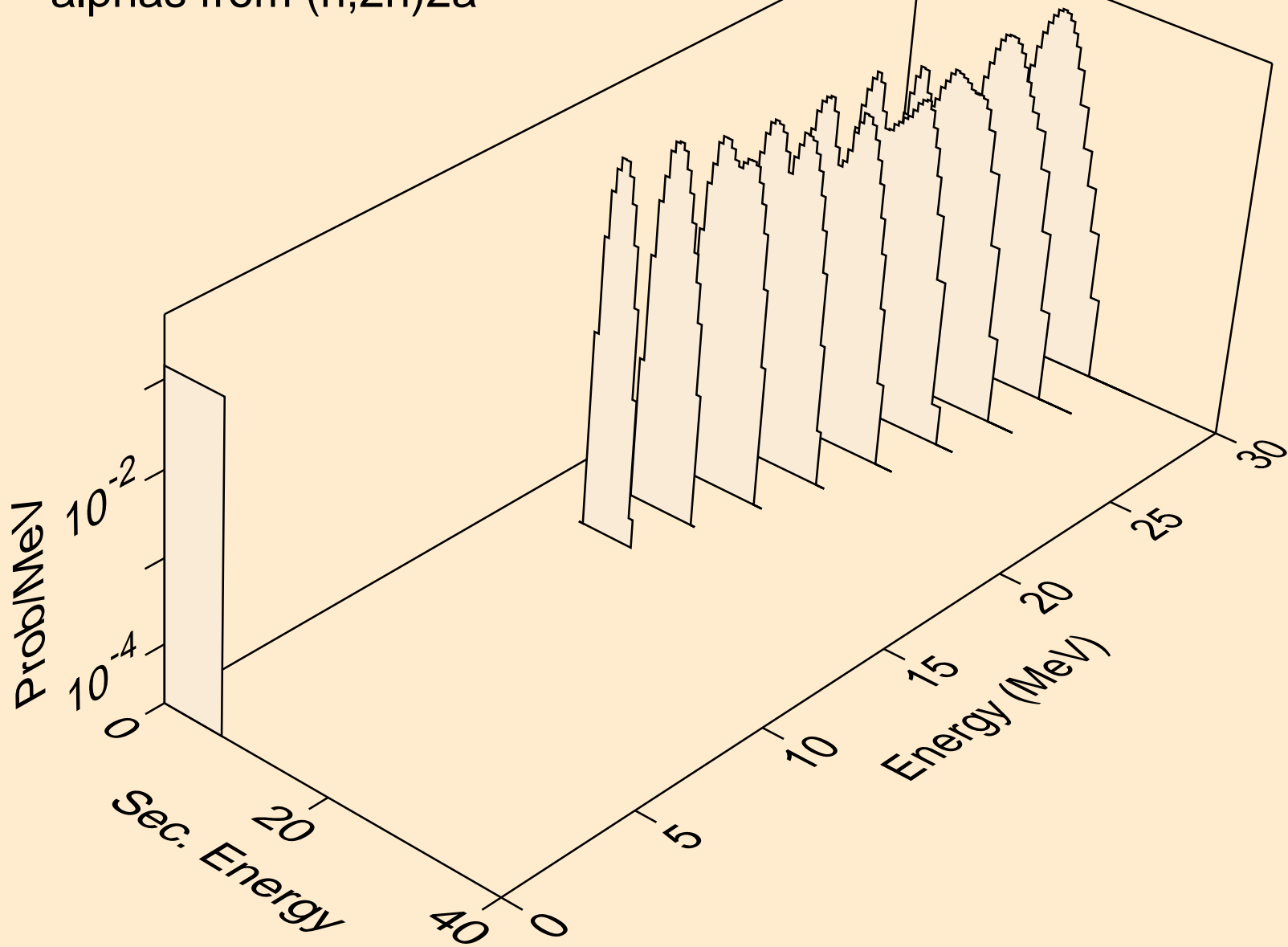
U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,3n)a



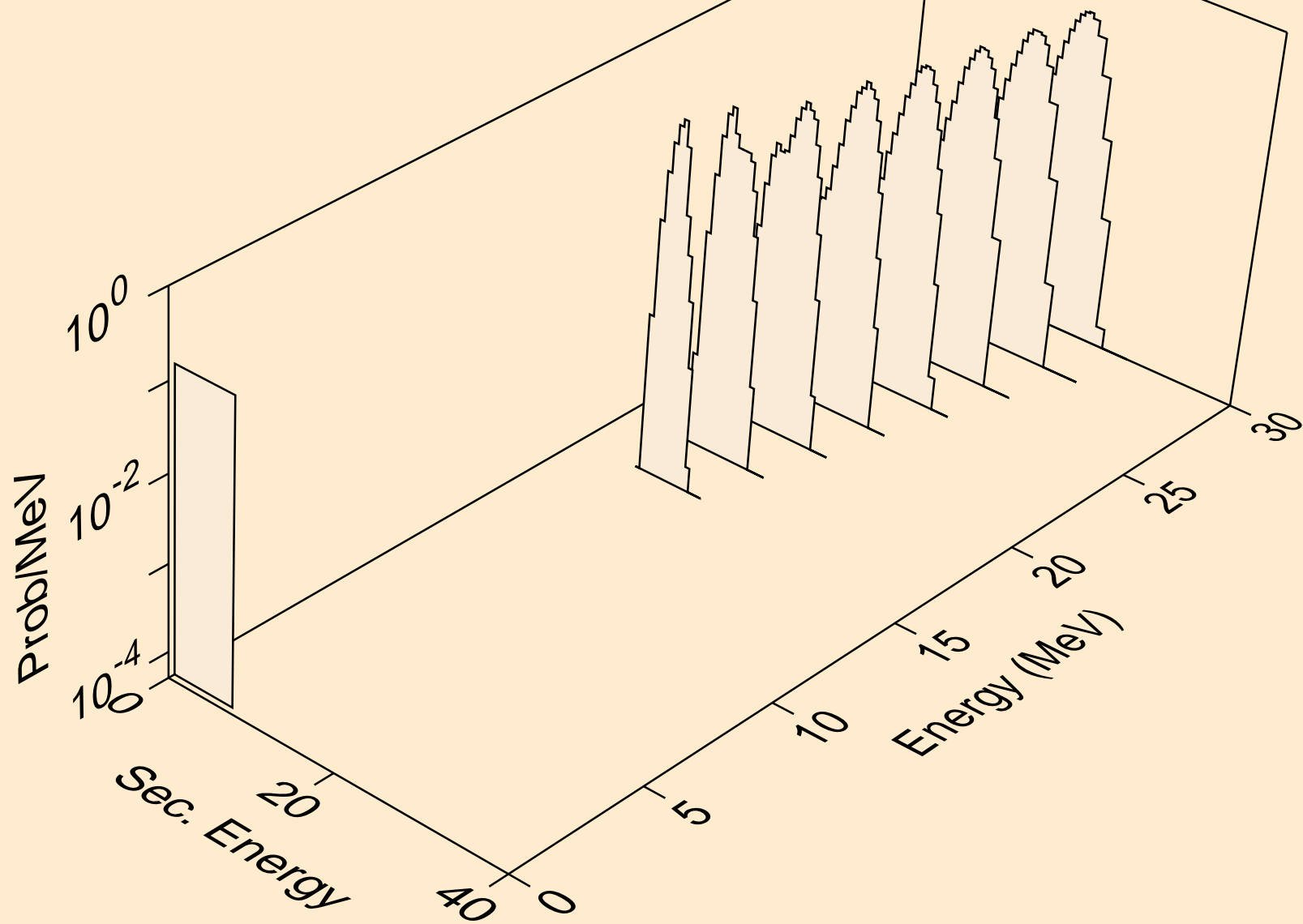
U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)2a



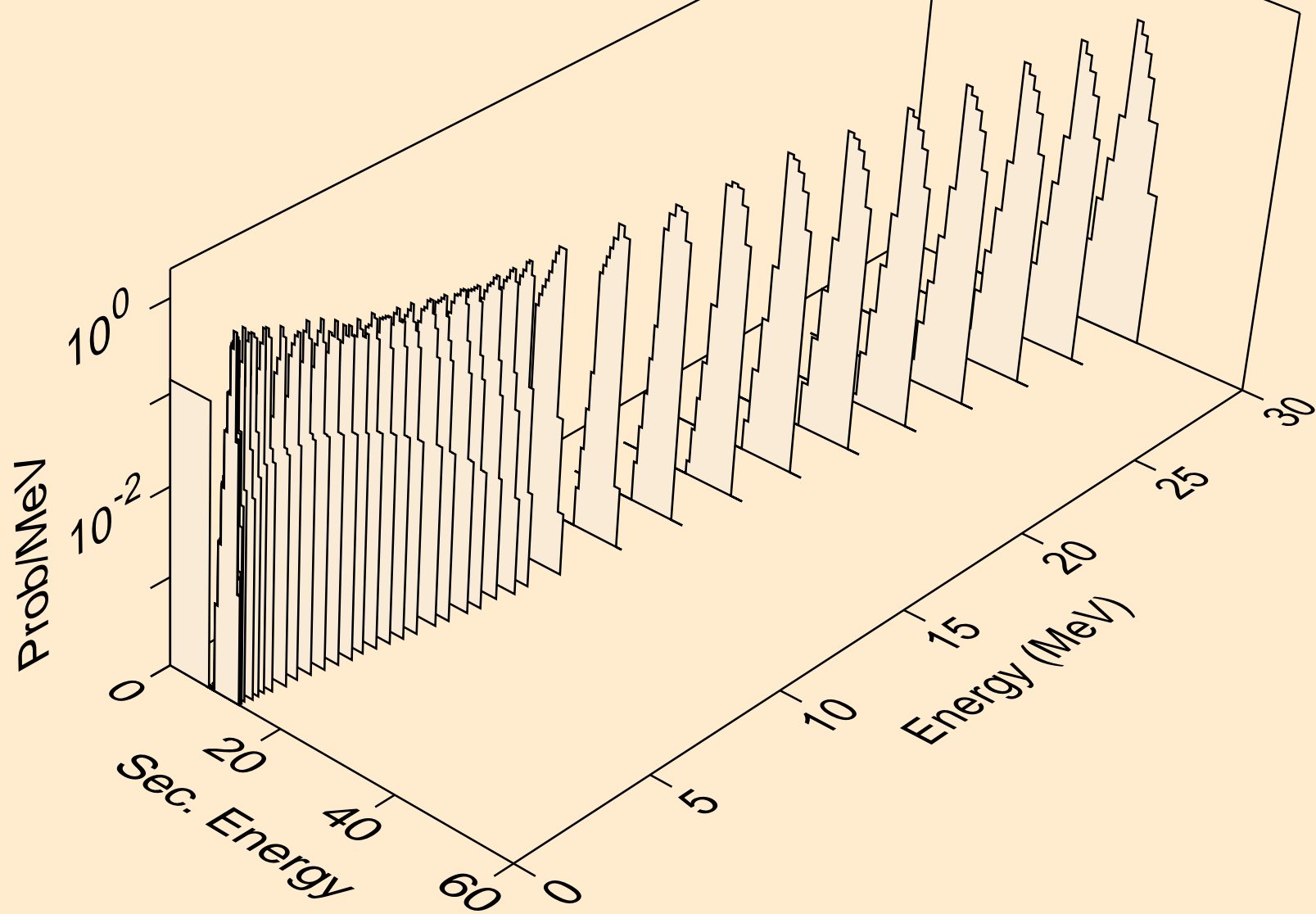
U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2n)2a



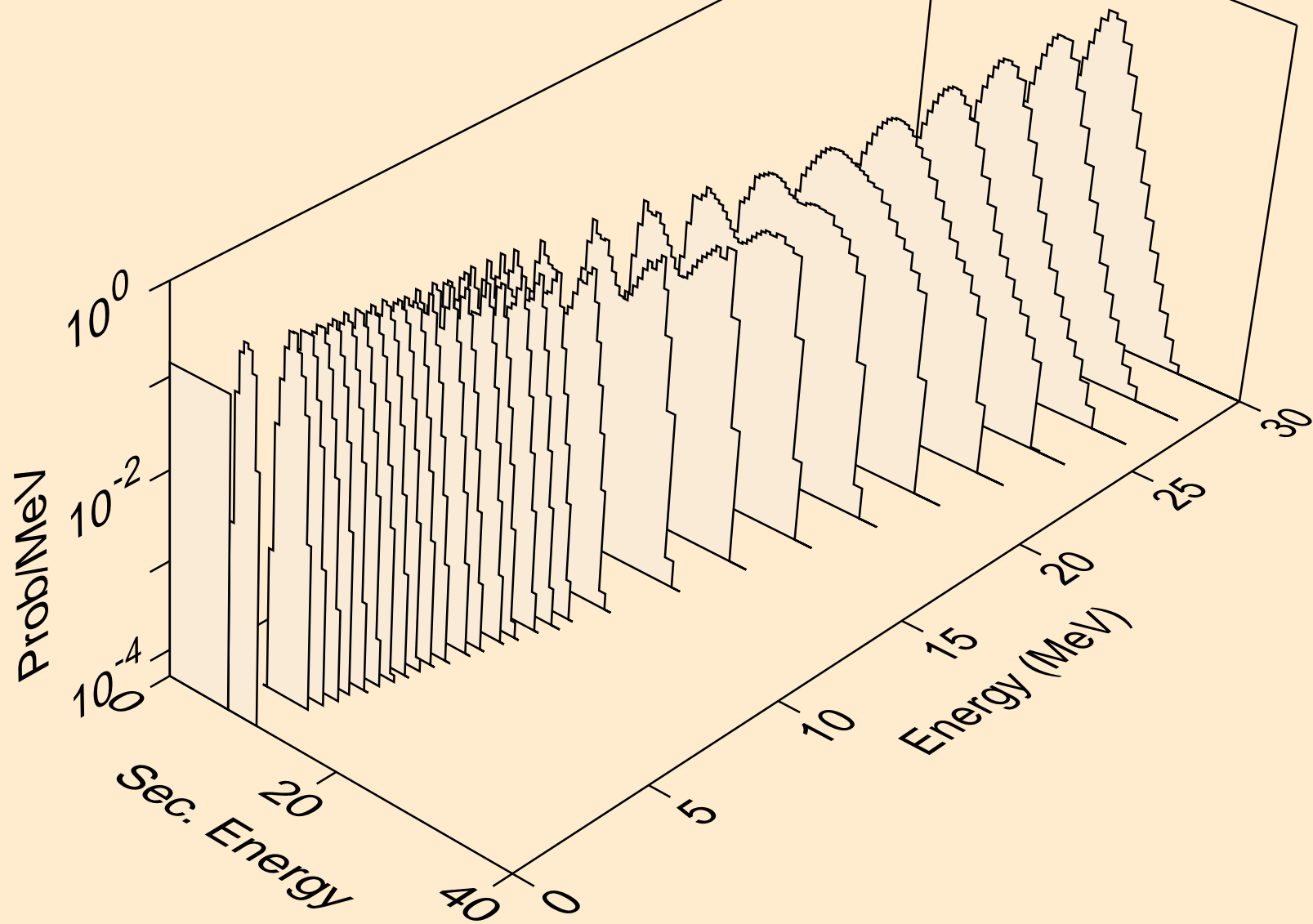
U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,npa)



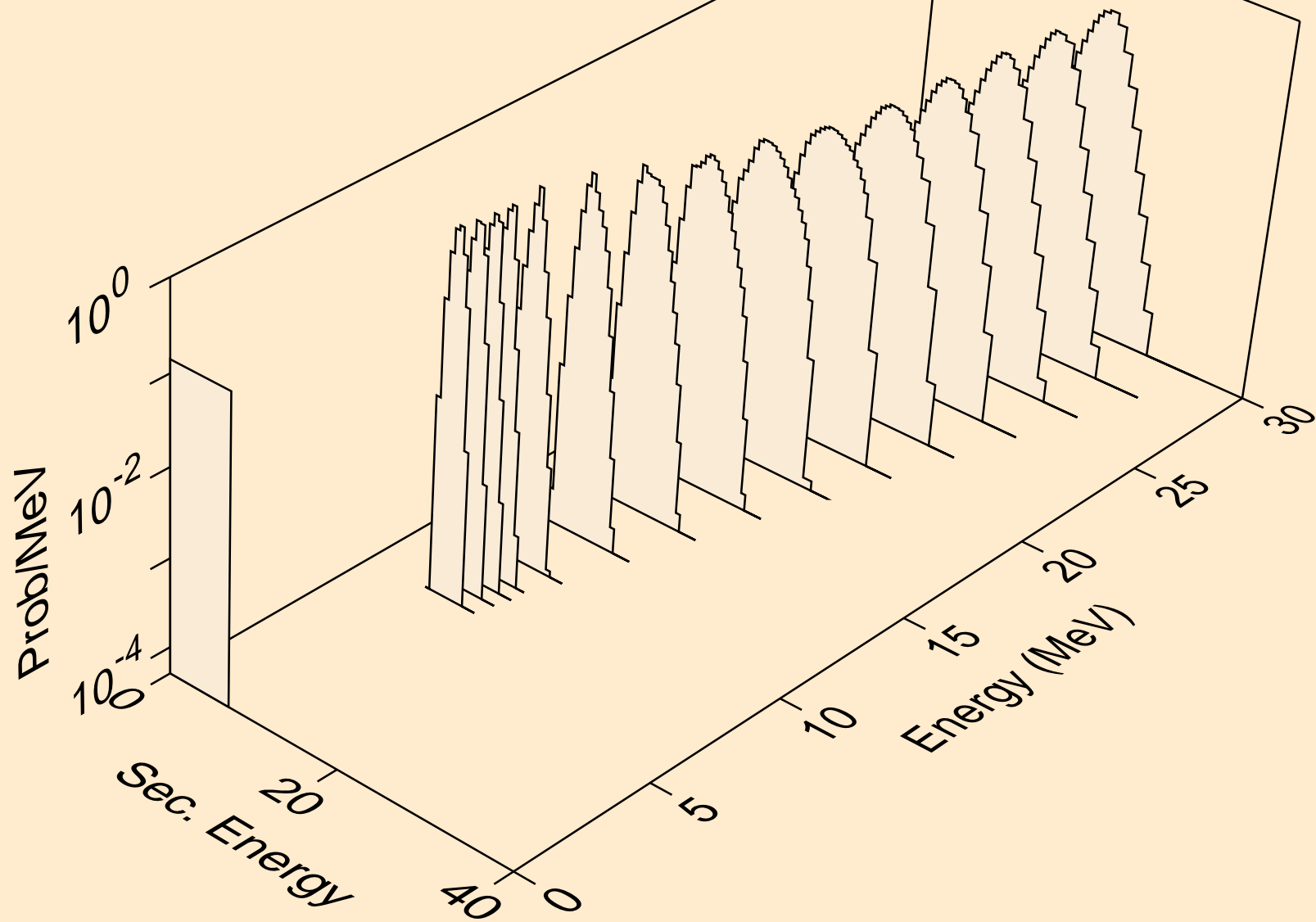
U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,a)



U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2a)



U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,pa)





U231 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,da)

