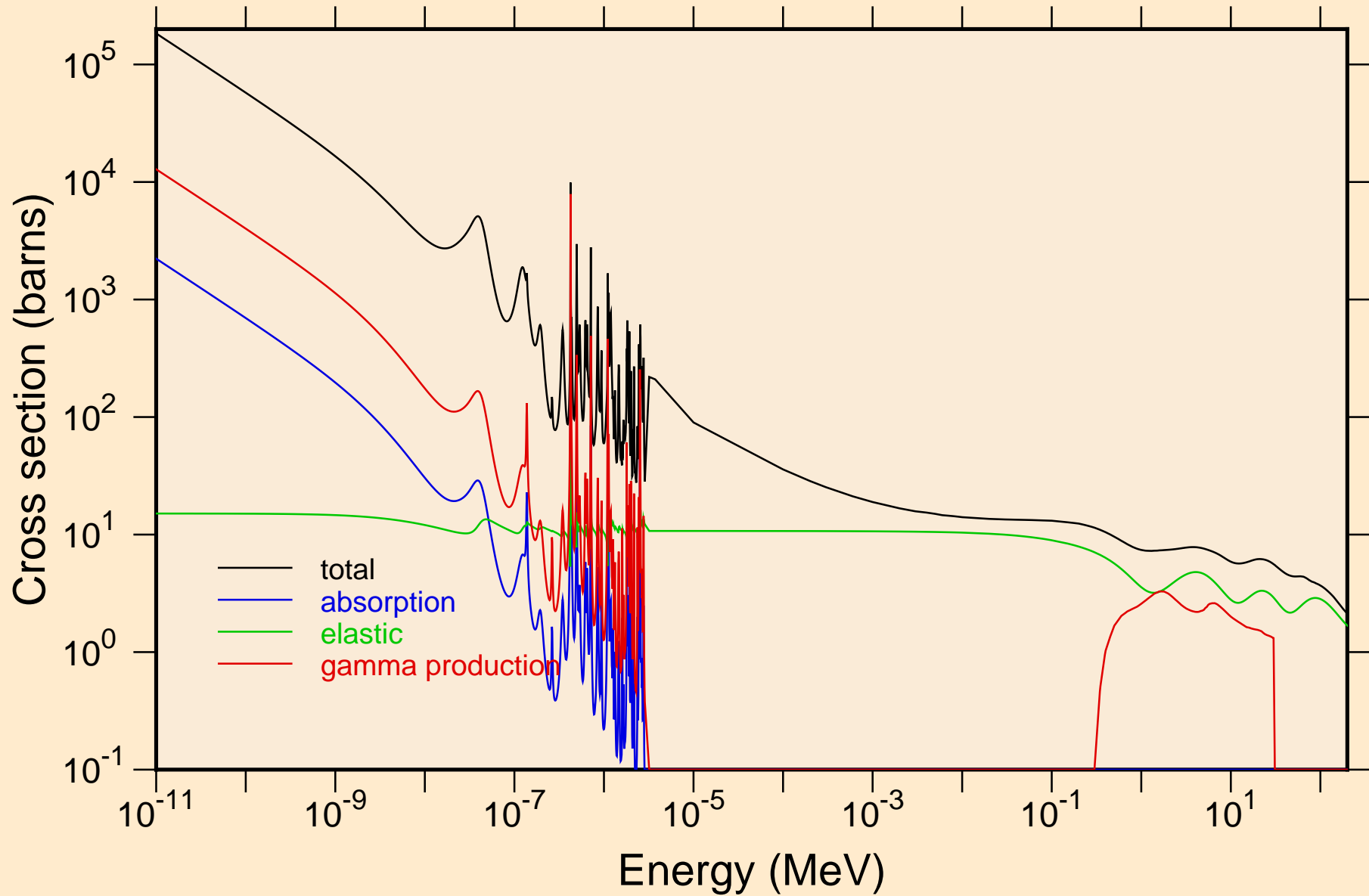
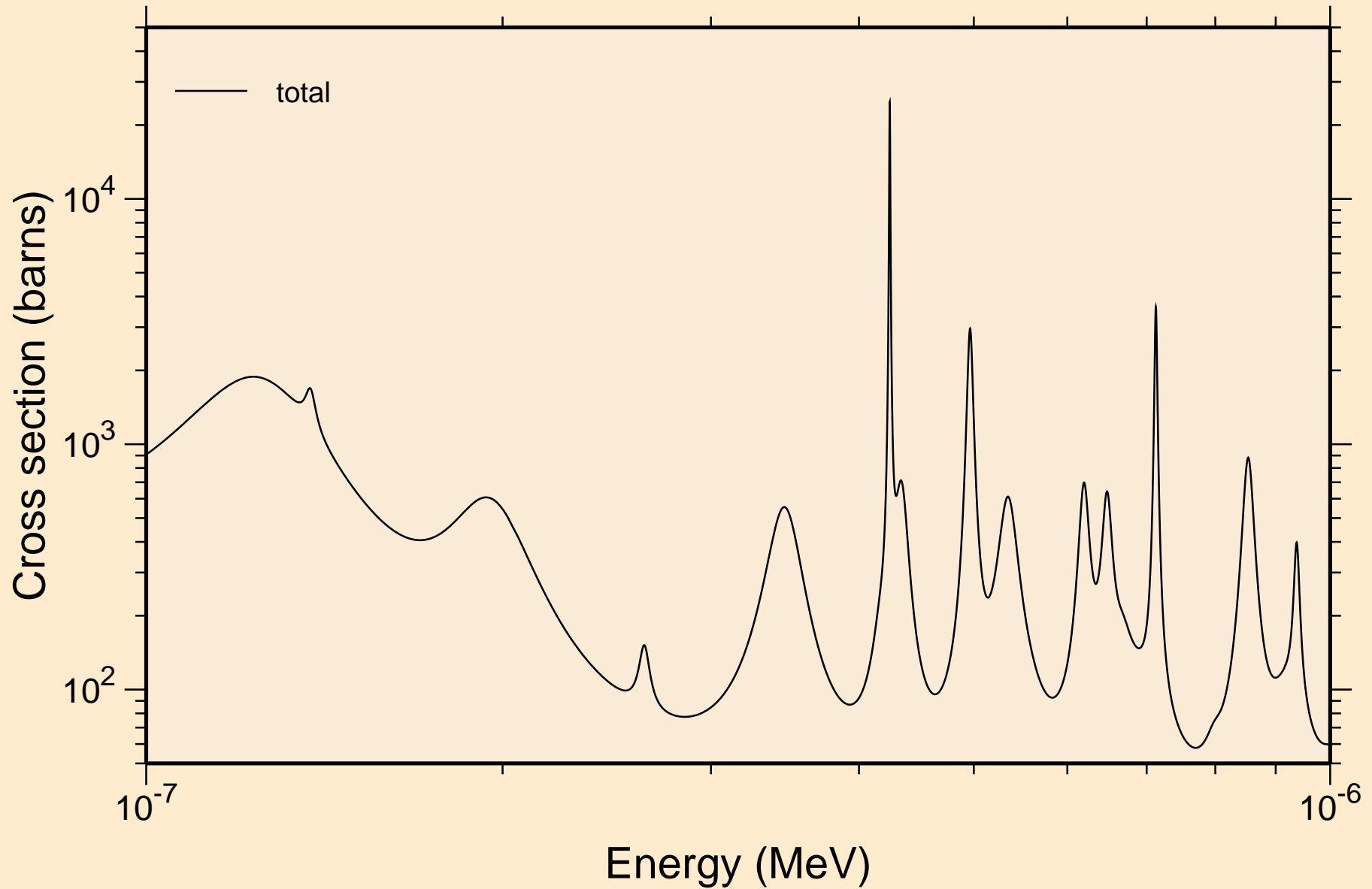


# ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

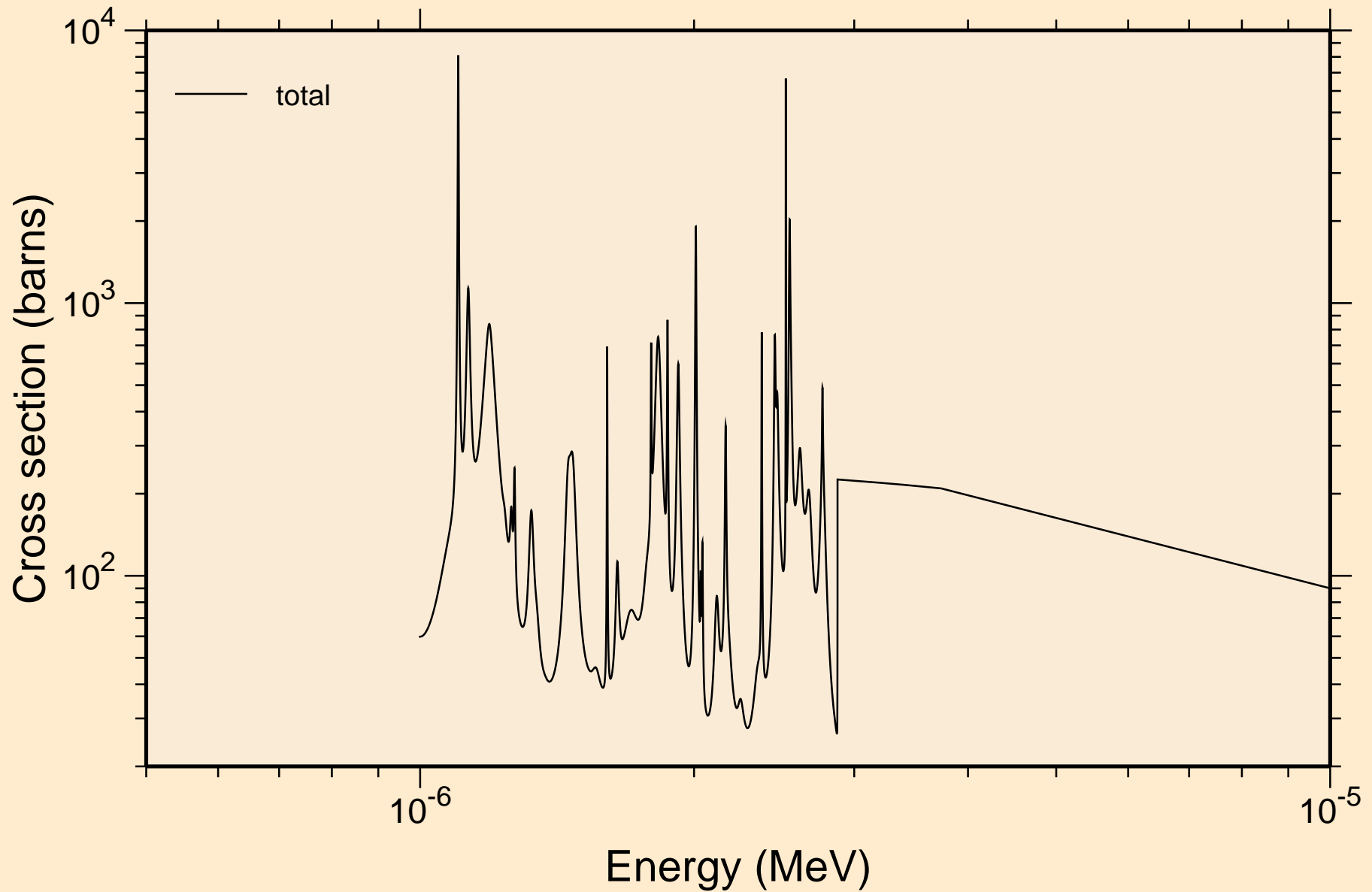
## Principal cross sections



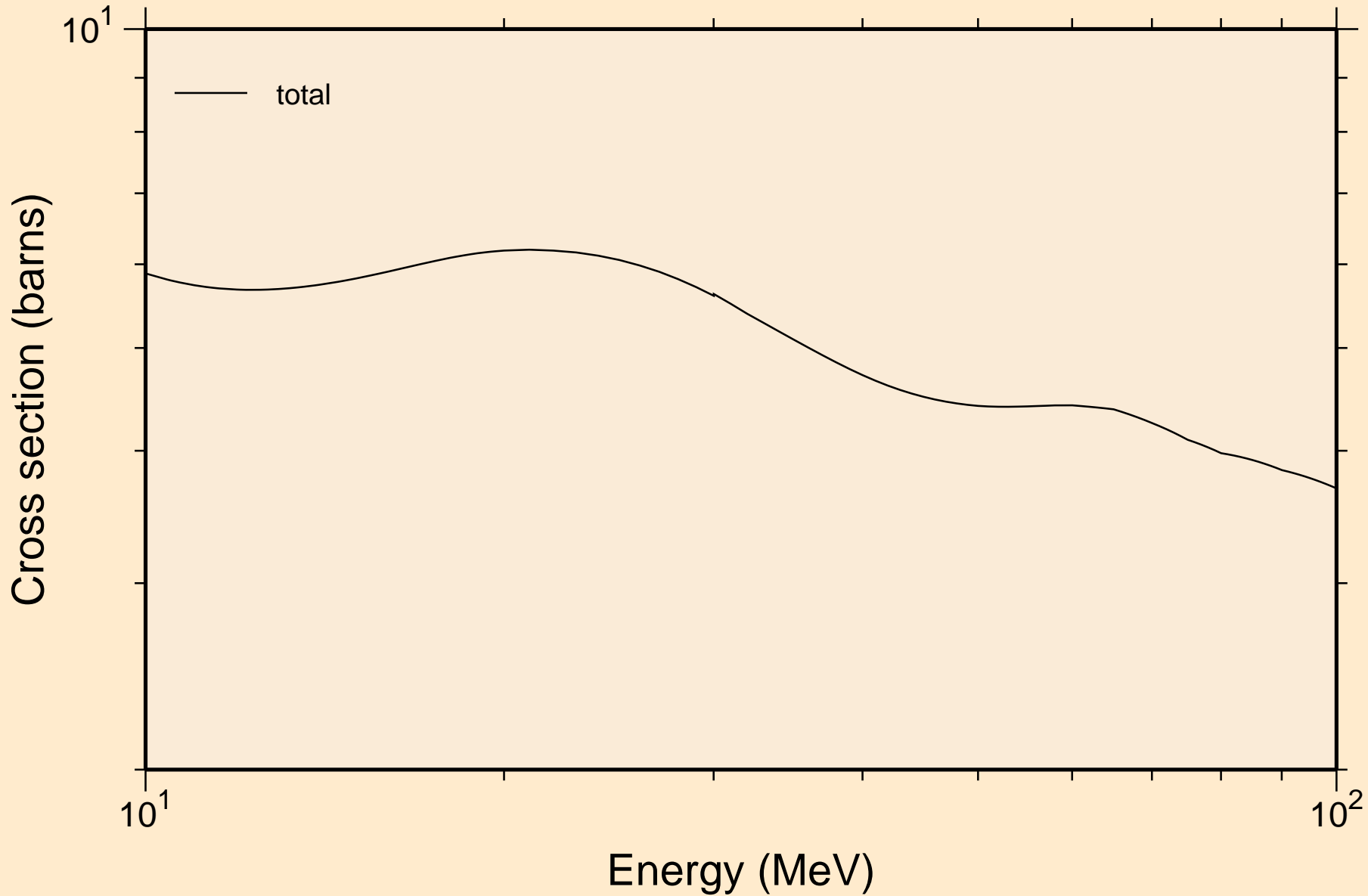
ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



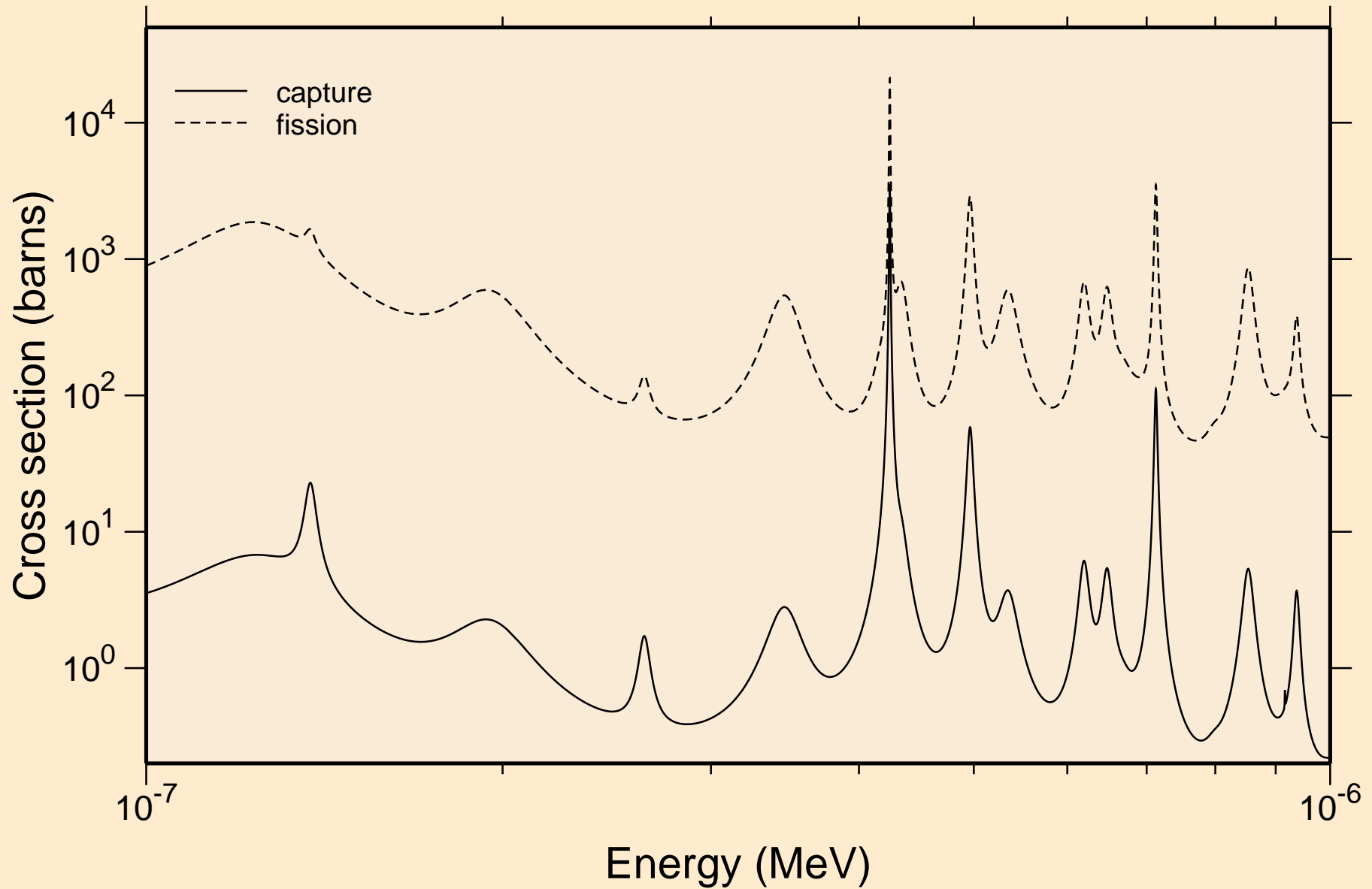
ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section

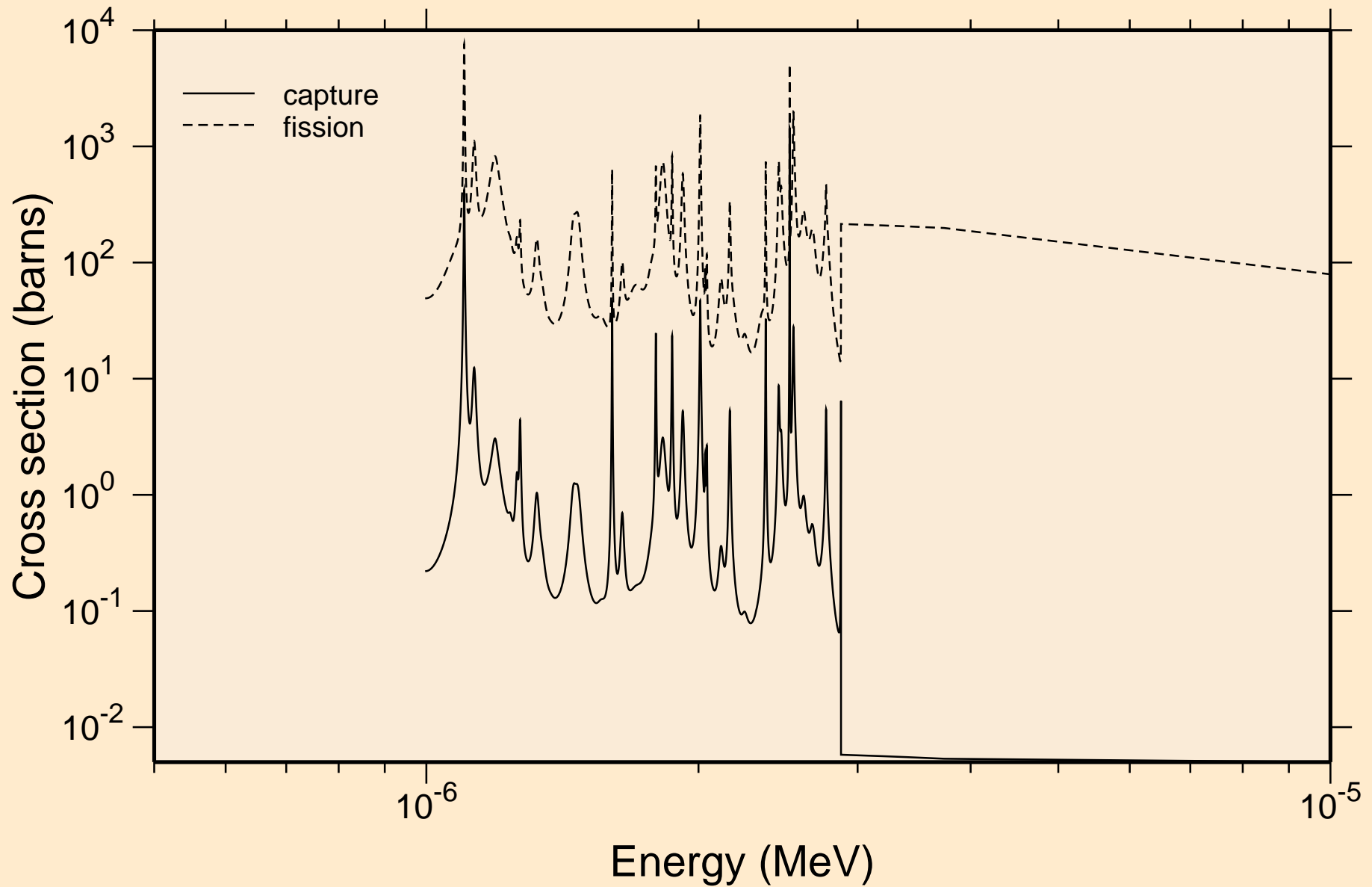


ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

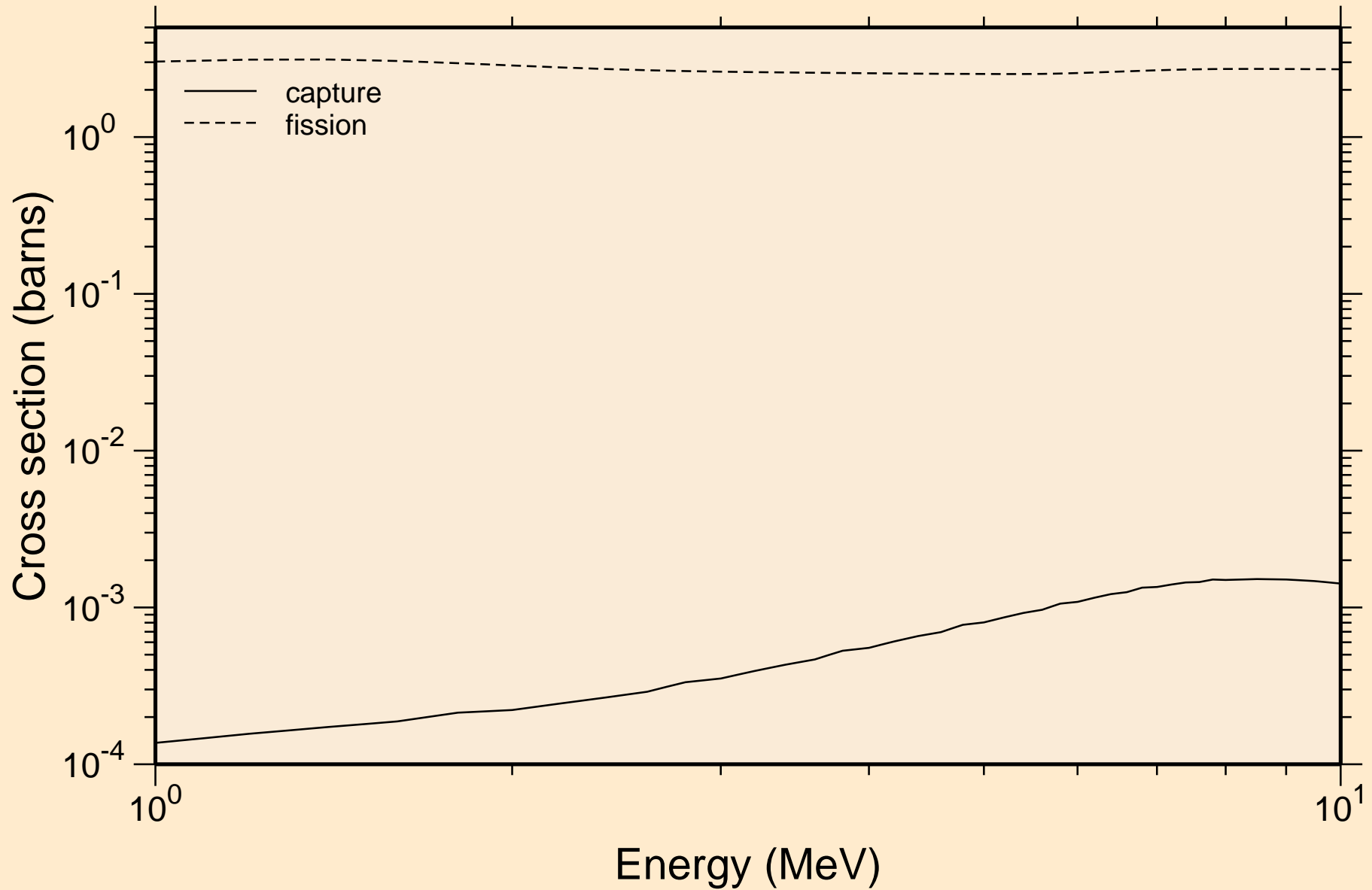


# ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## resonance absorption cross sections

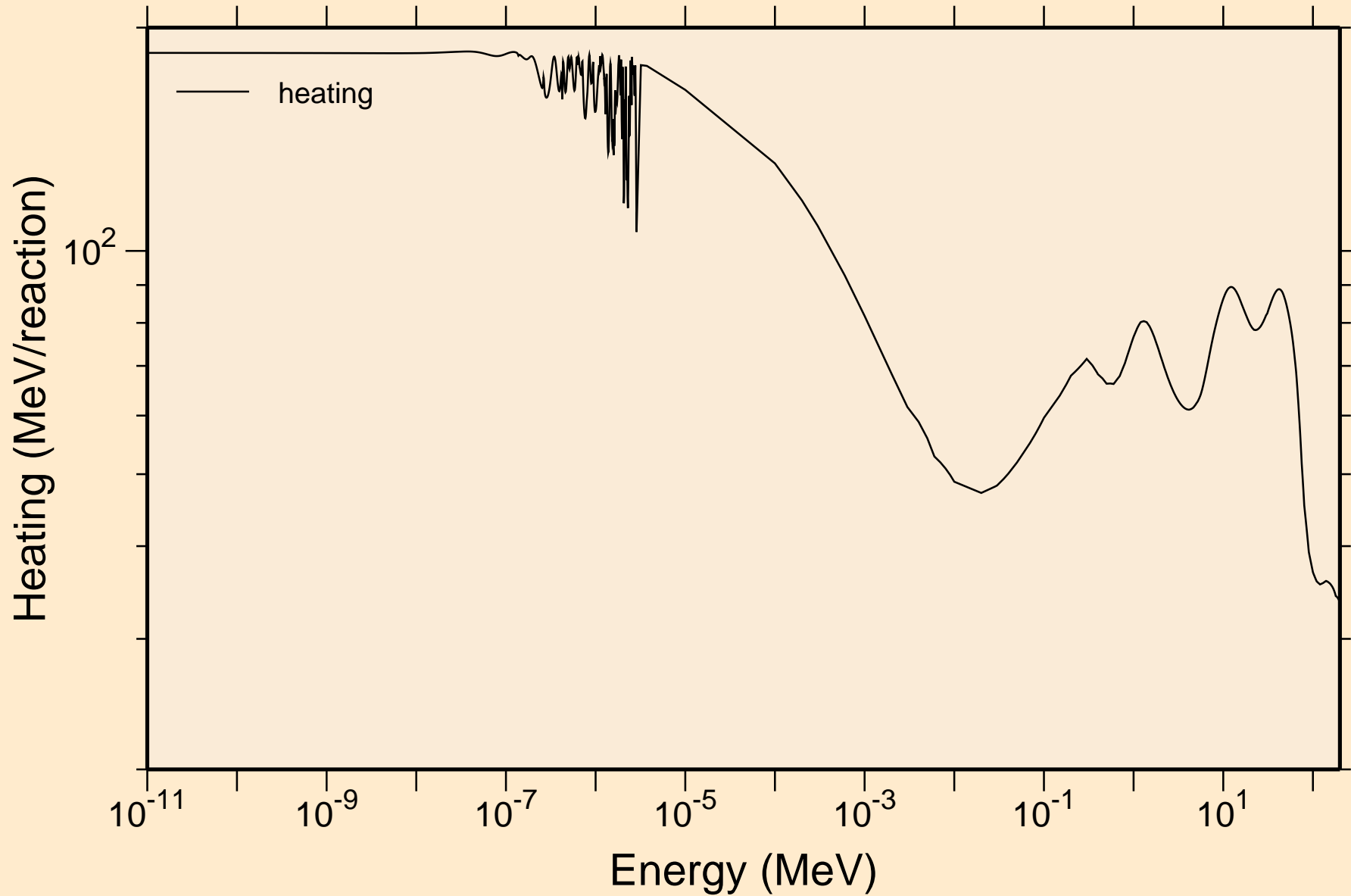


ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



# ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

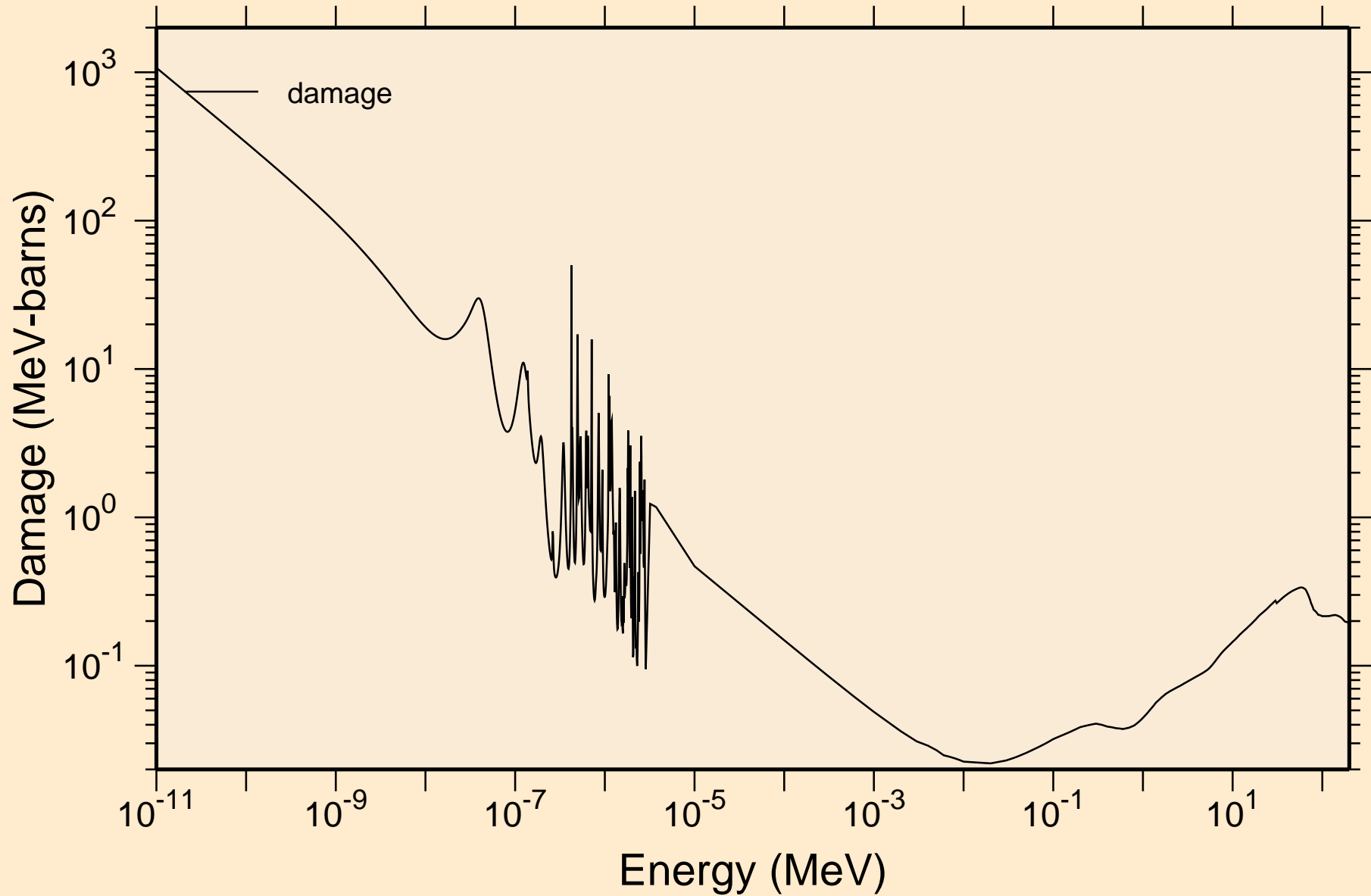
## Heating





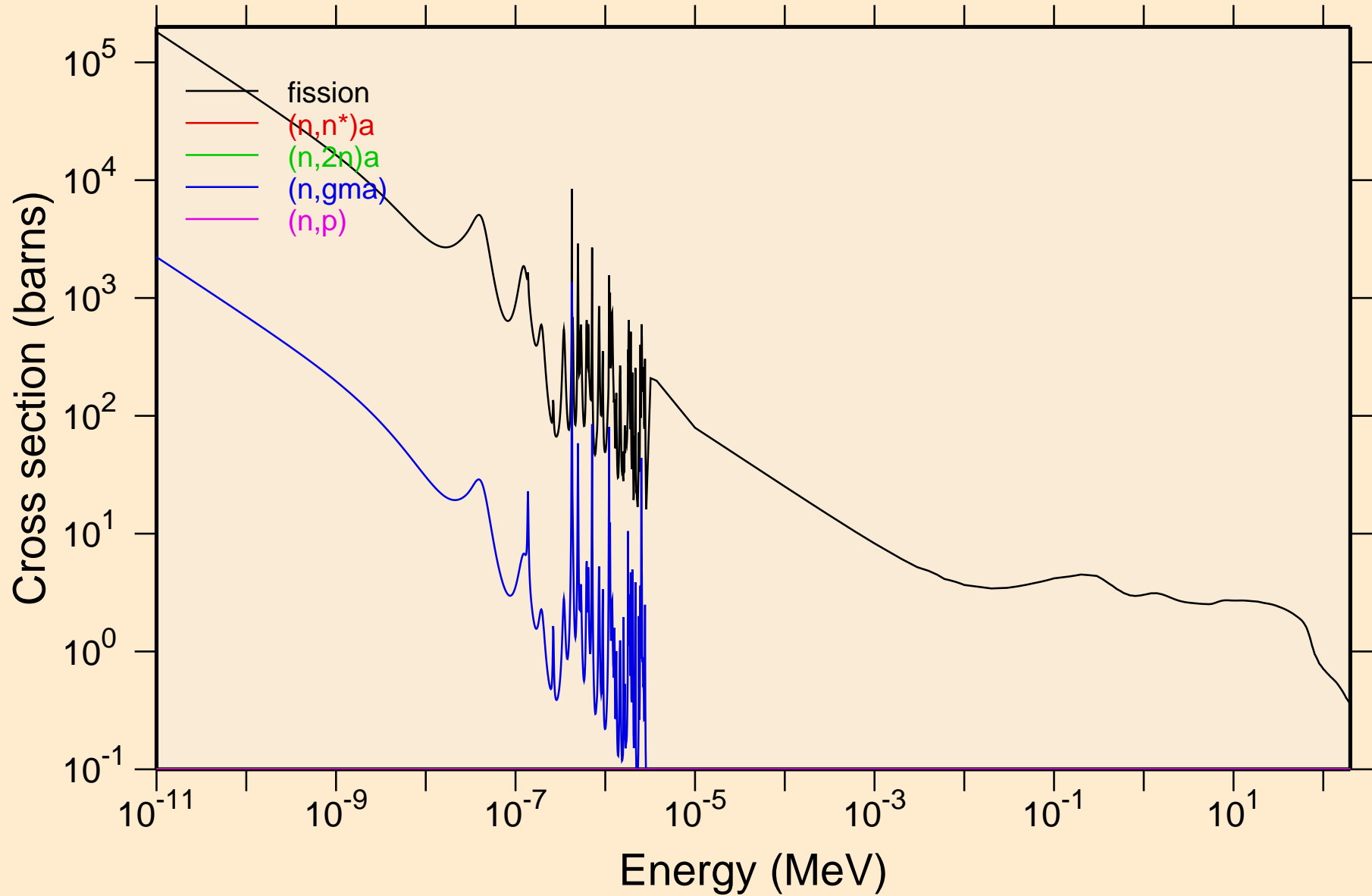
# ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Damage



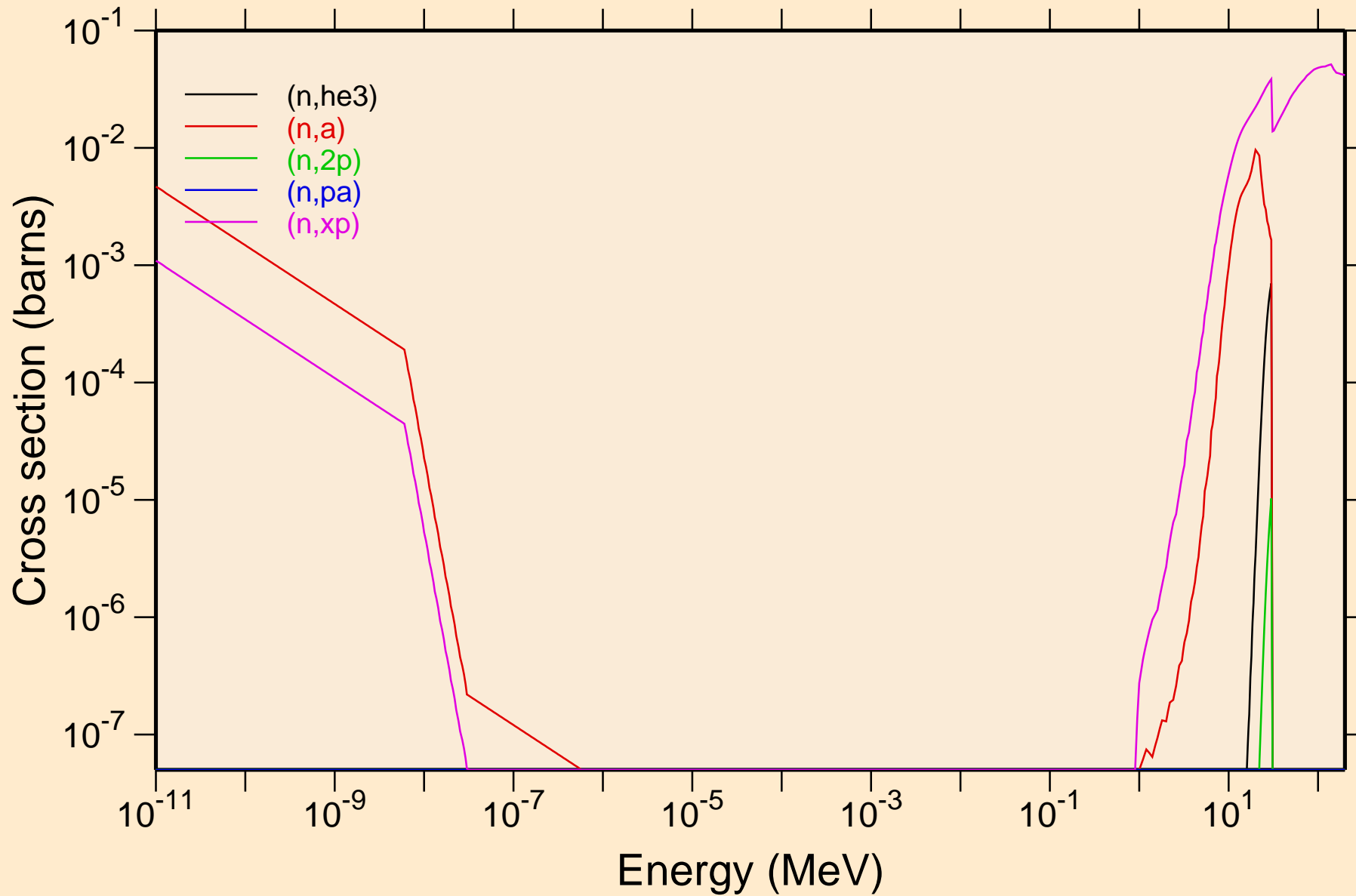
# ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Non-threshold reactions

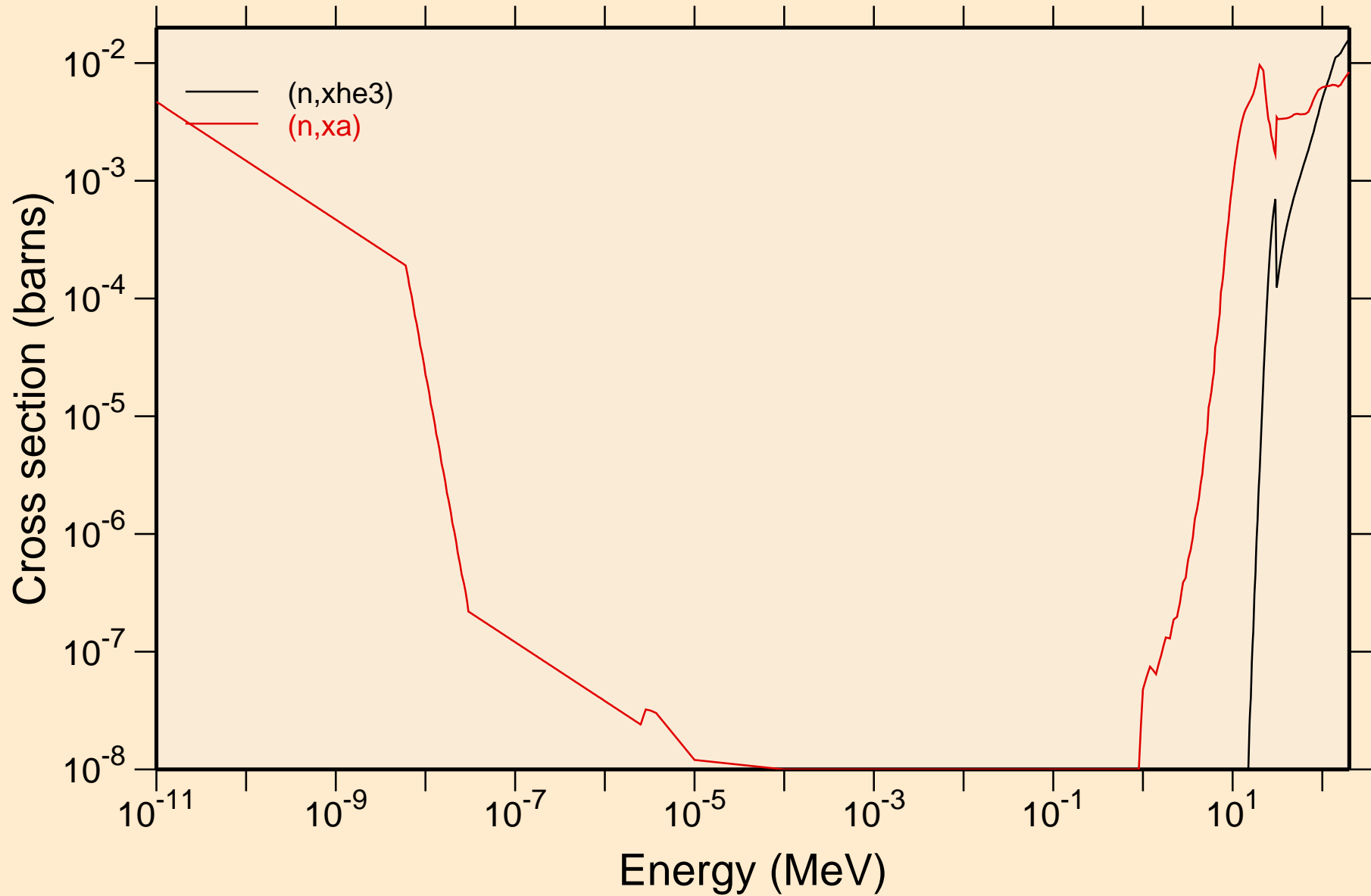


# ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Non-threshold reactions

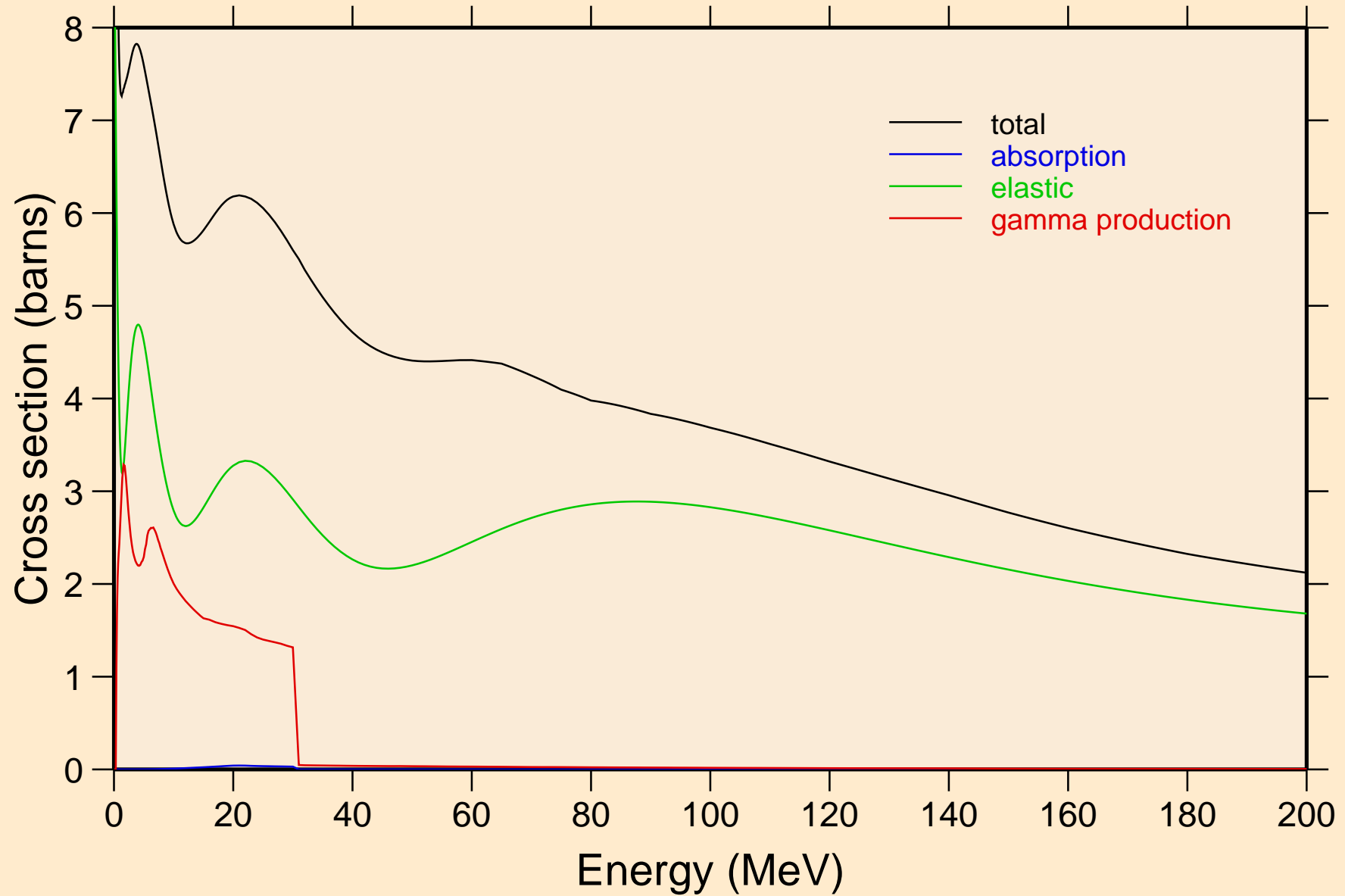


ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



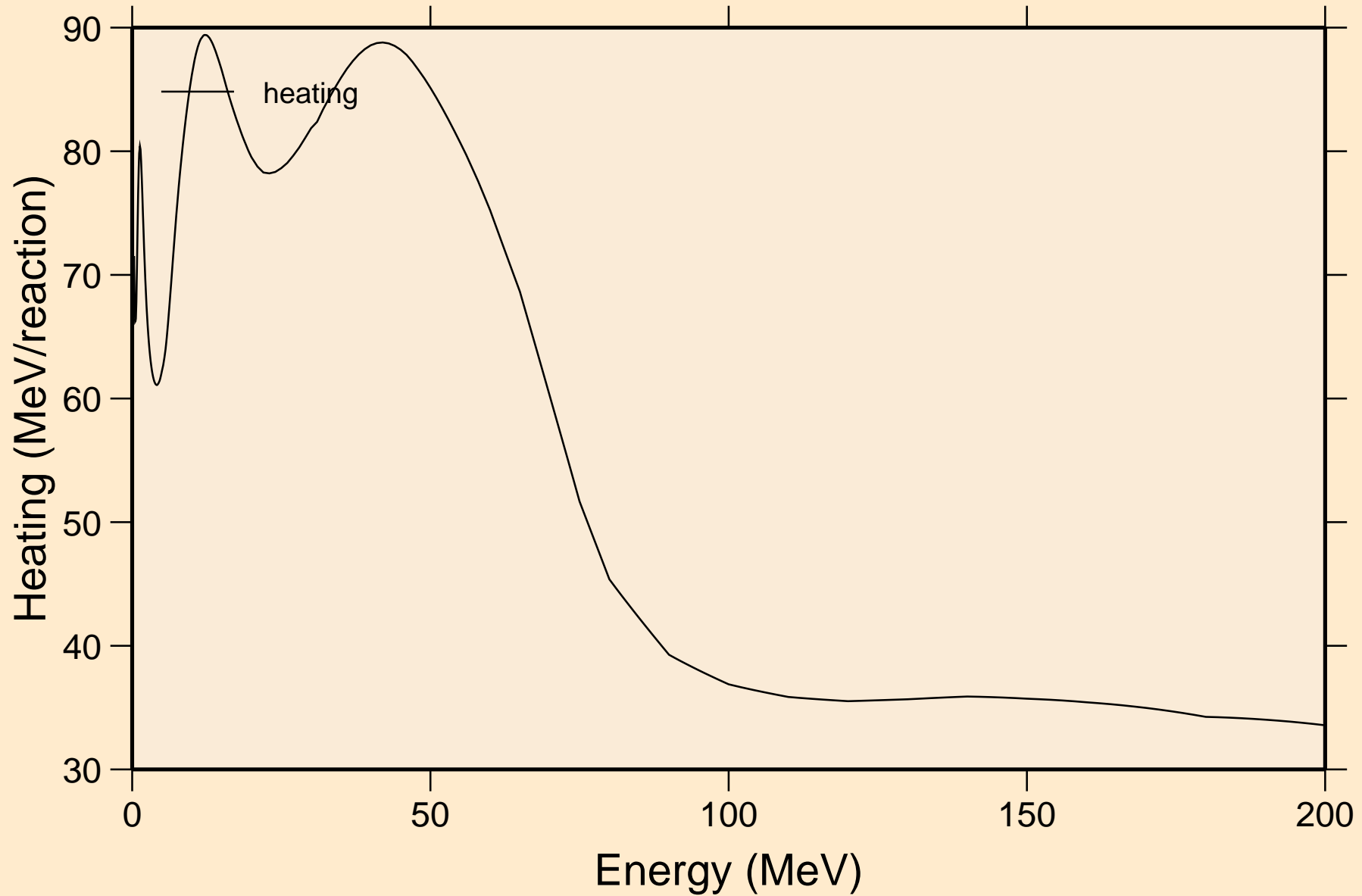
# ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



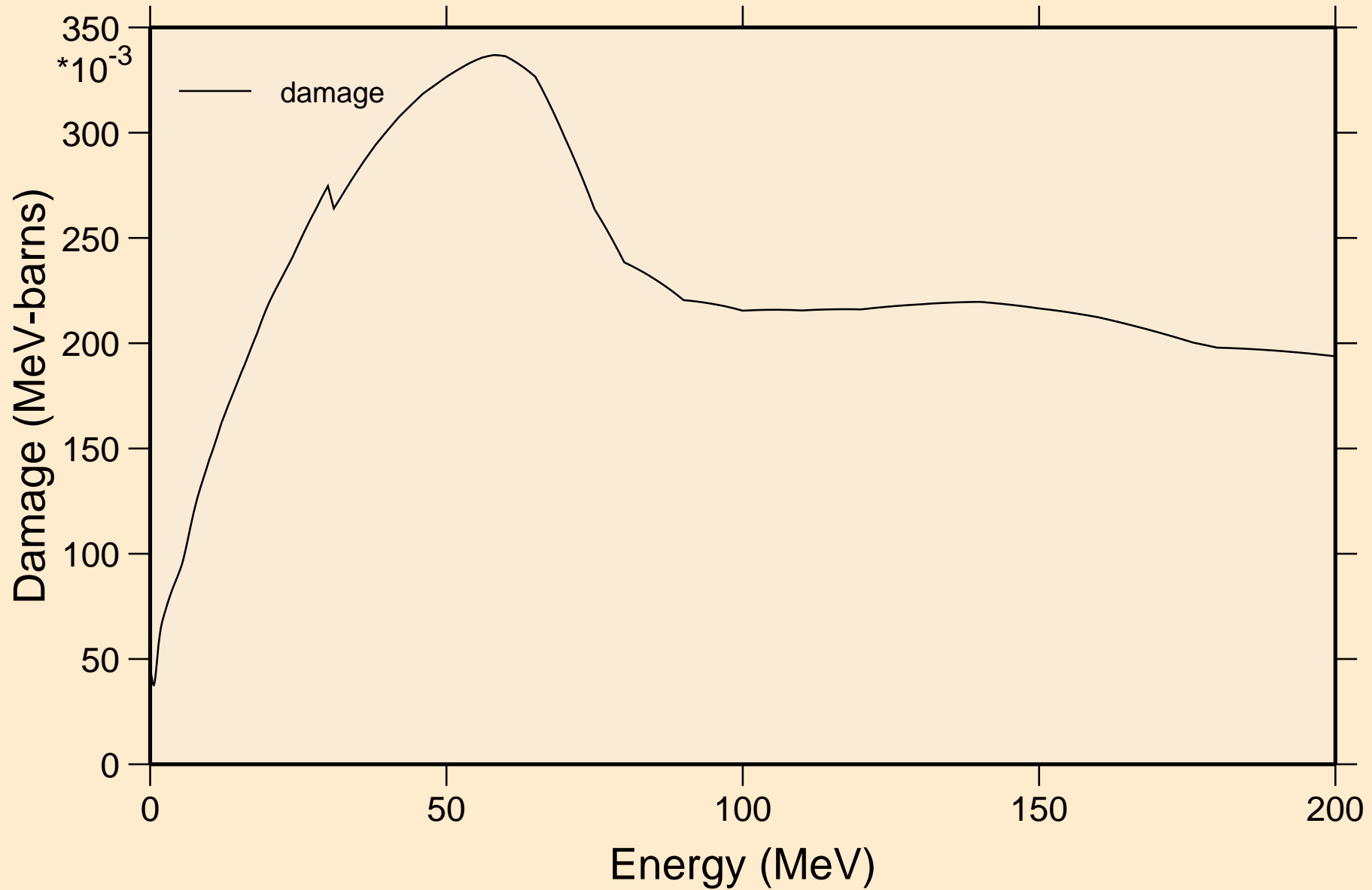
# ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Heating



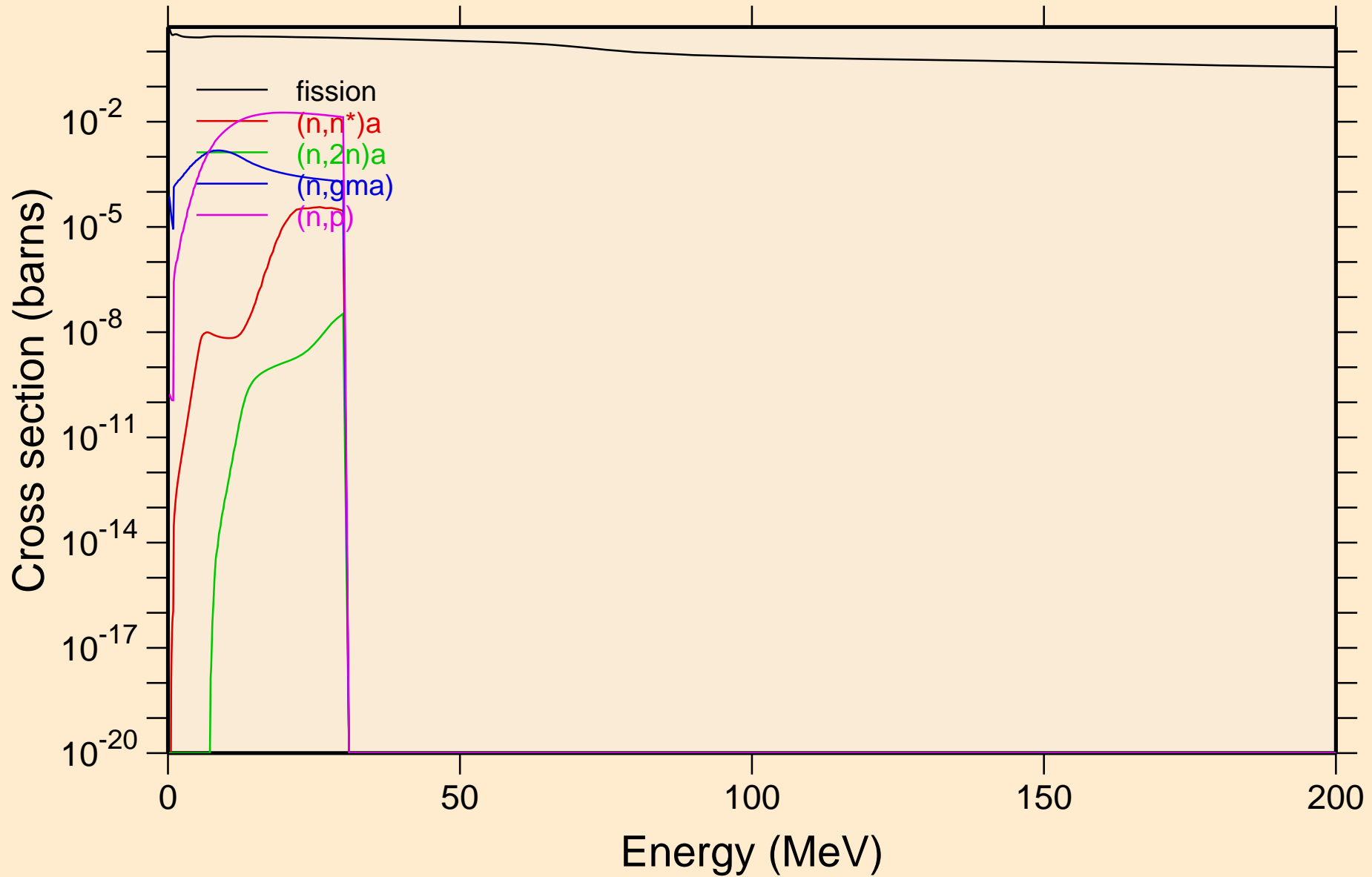
# ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Damage



# ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

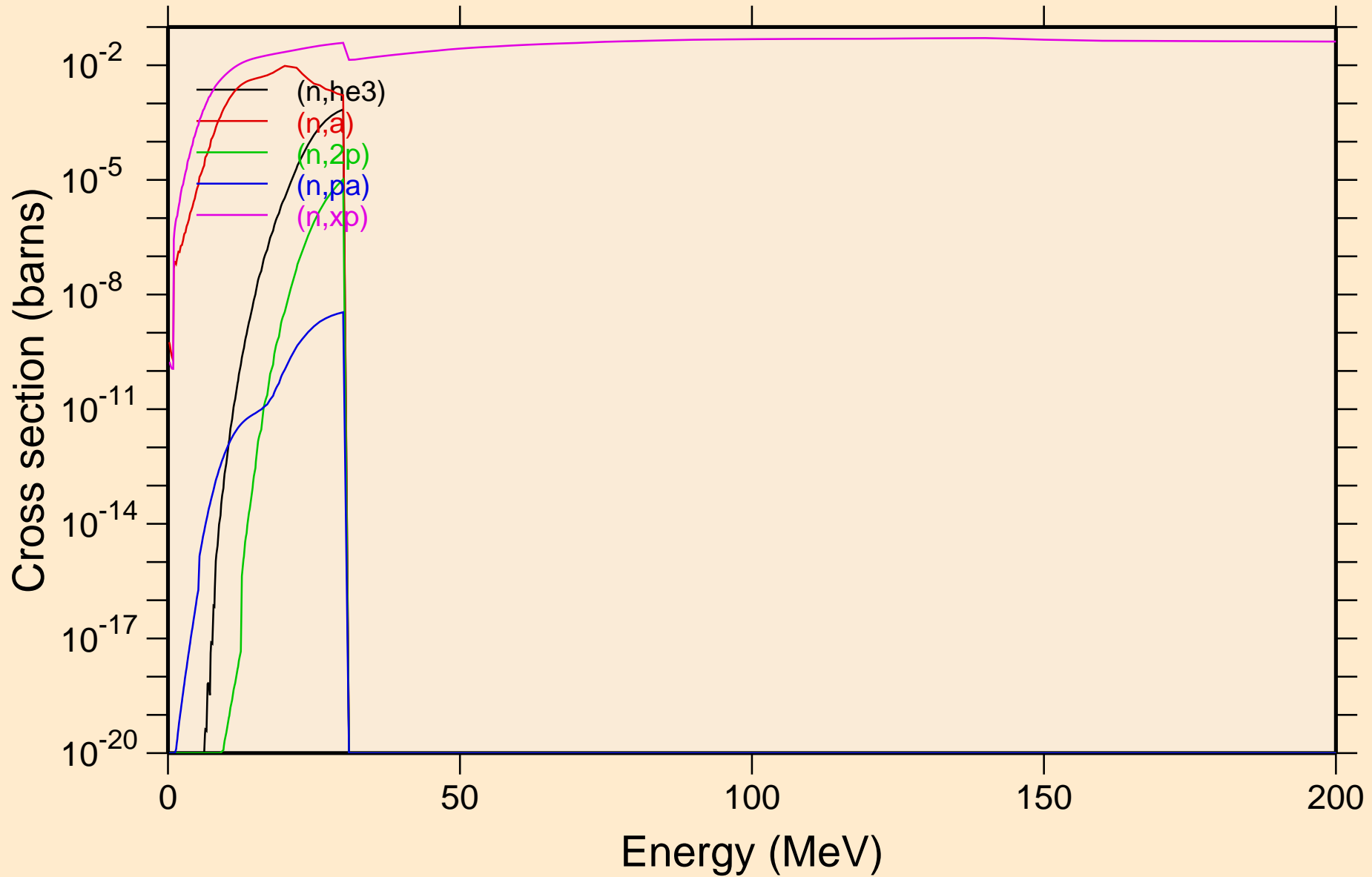
## Non-threshold reactions



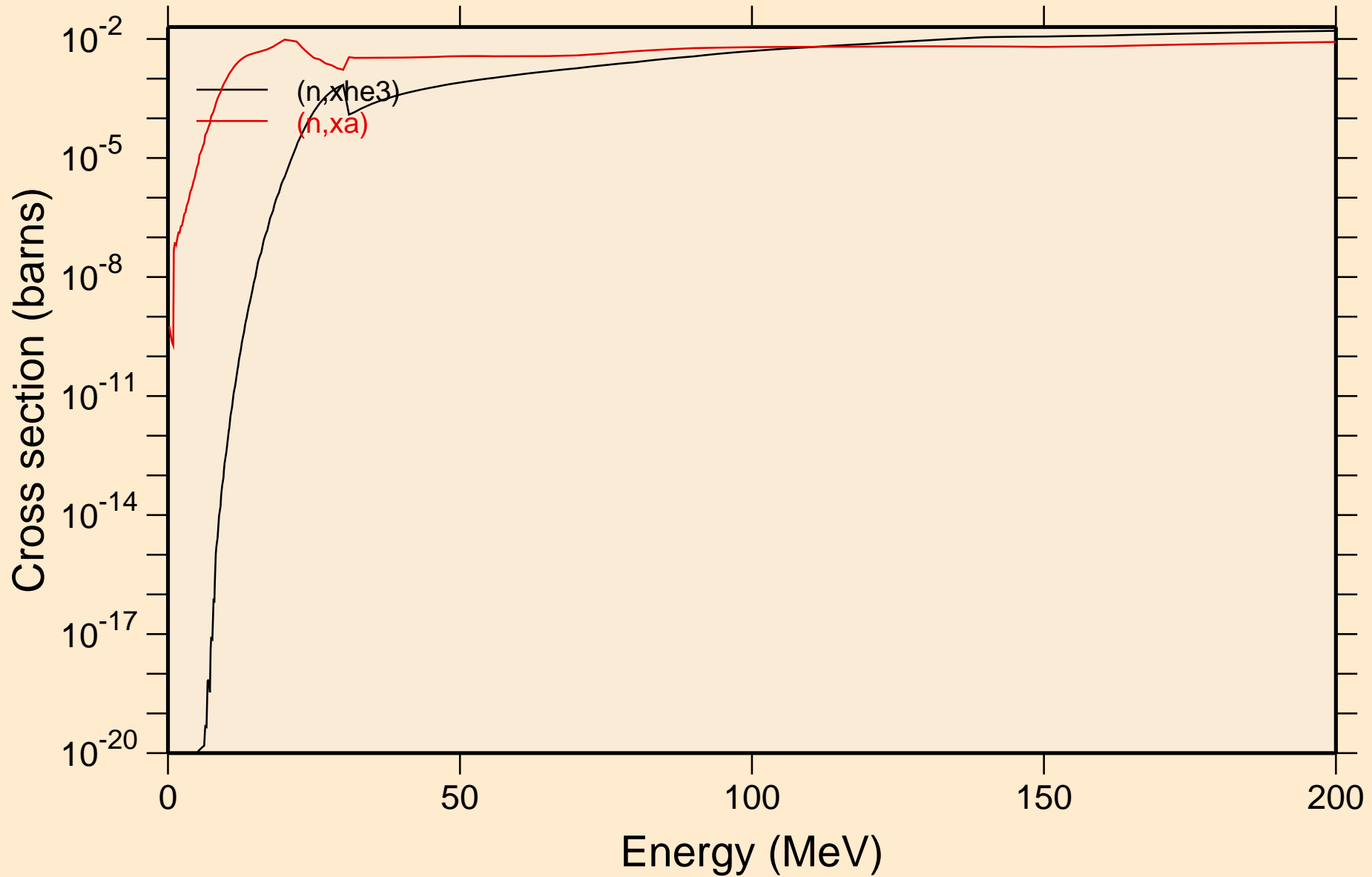


# ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

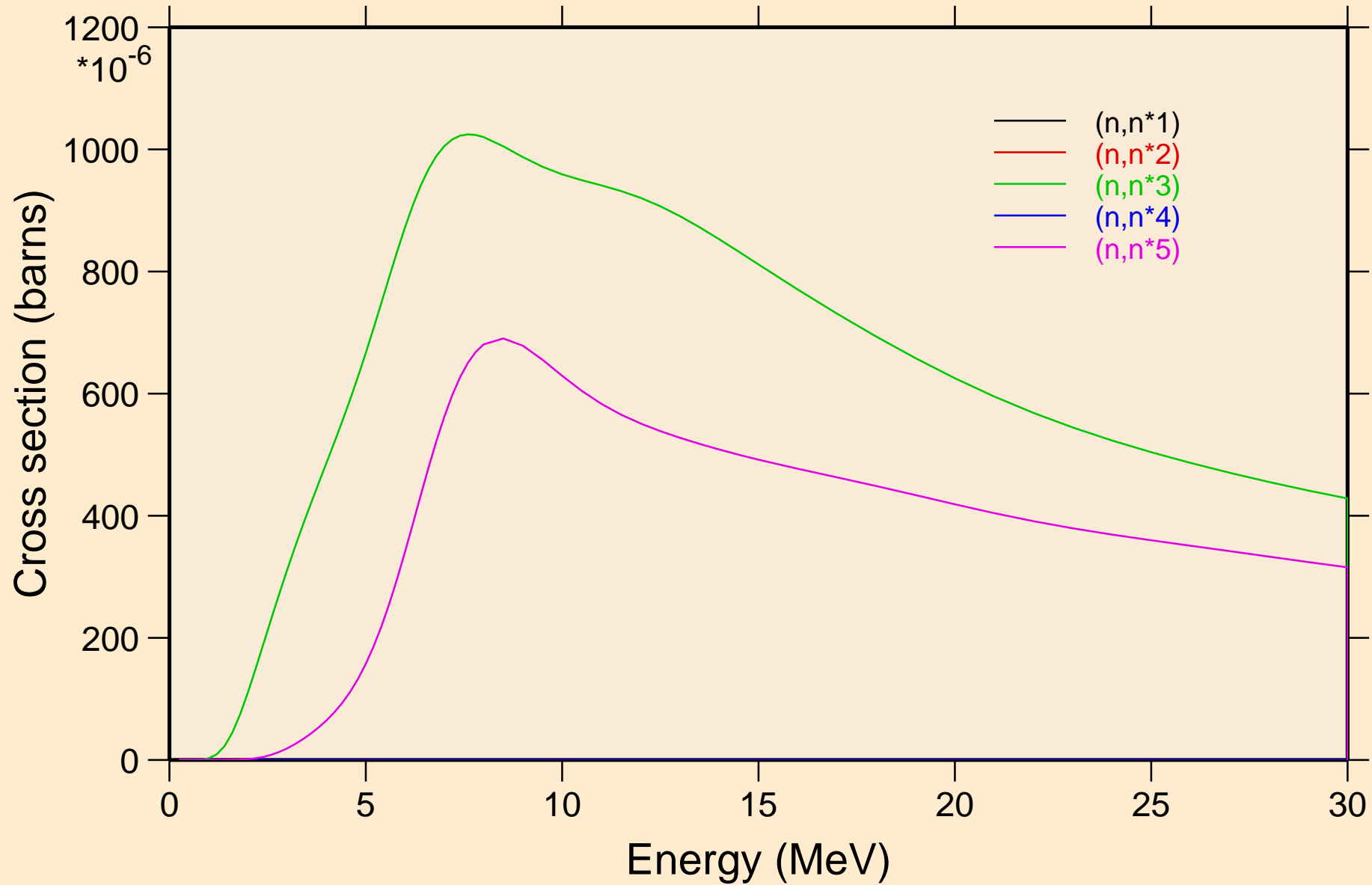
## Non-threshold reactions



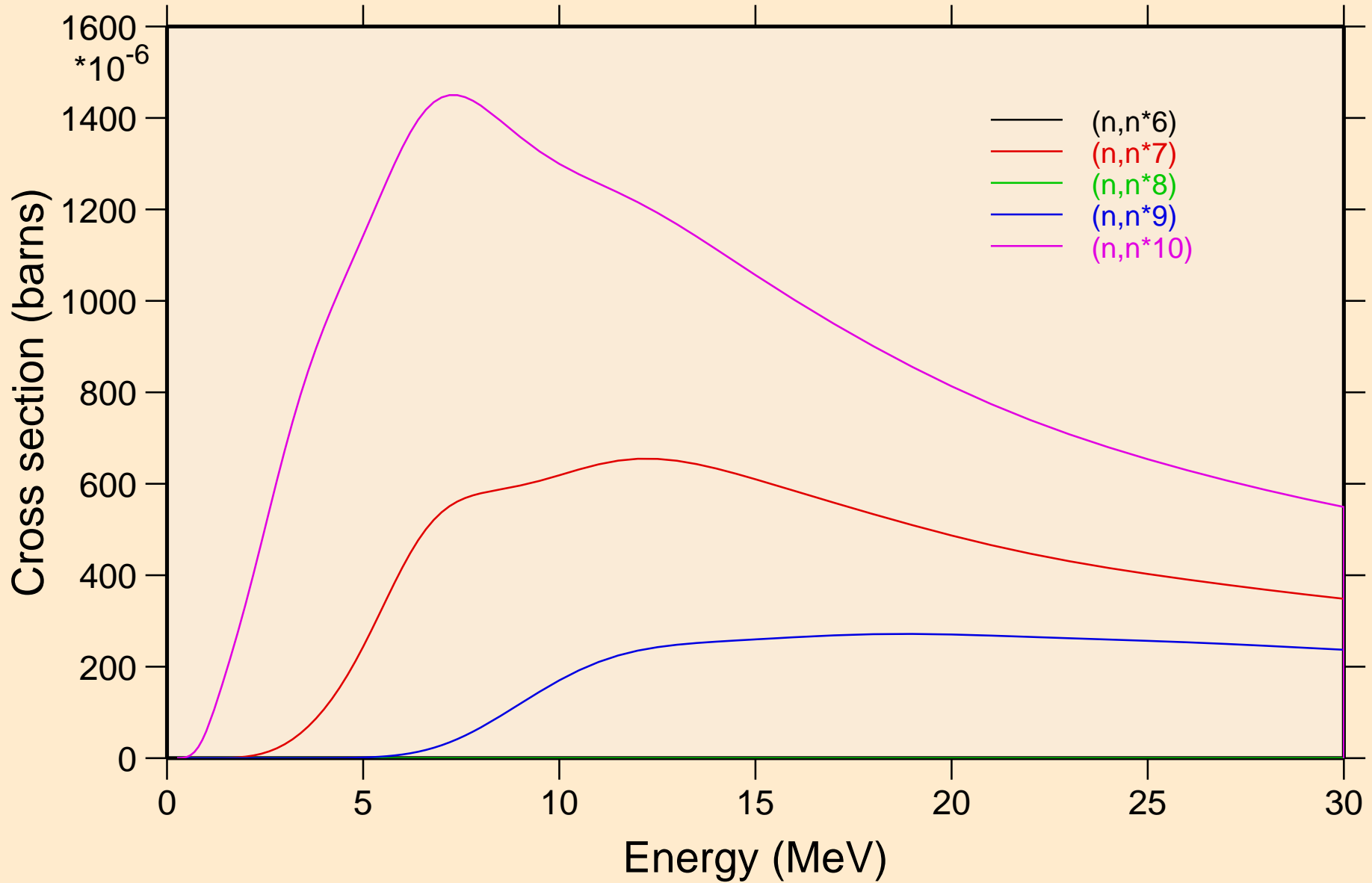
ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



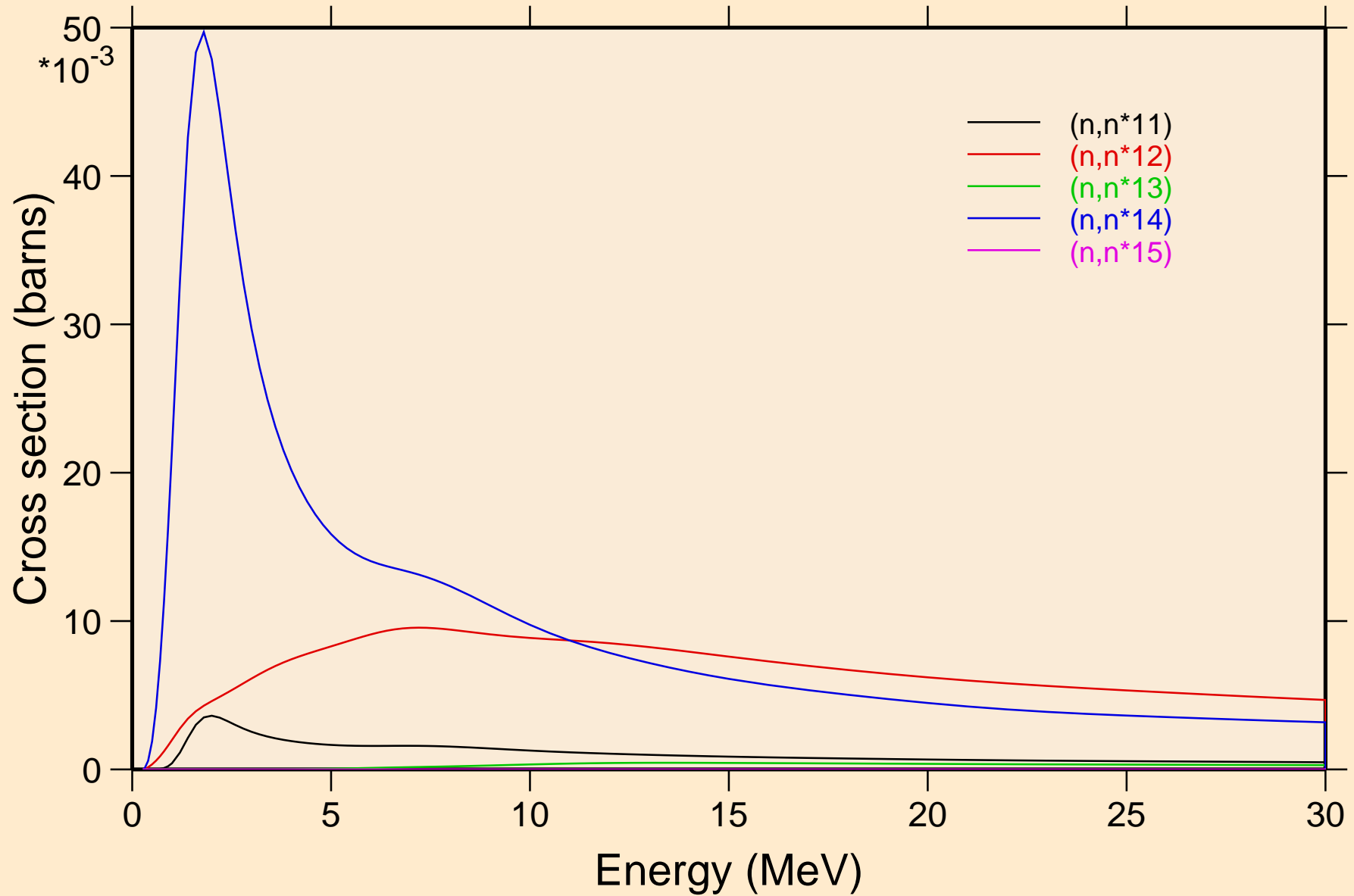
ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



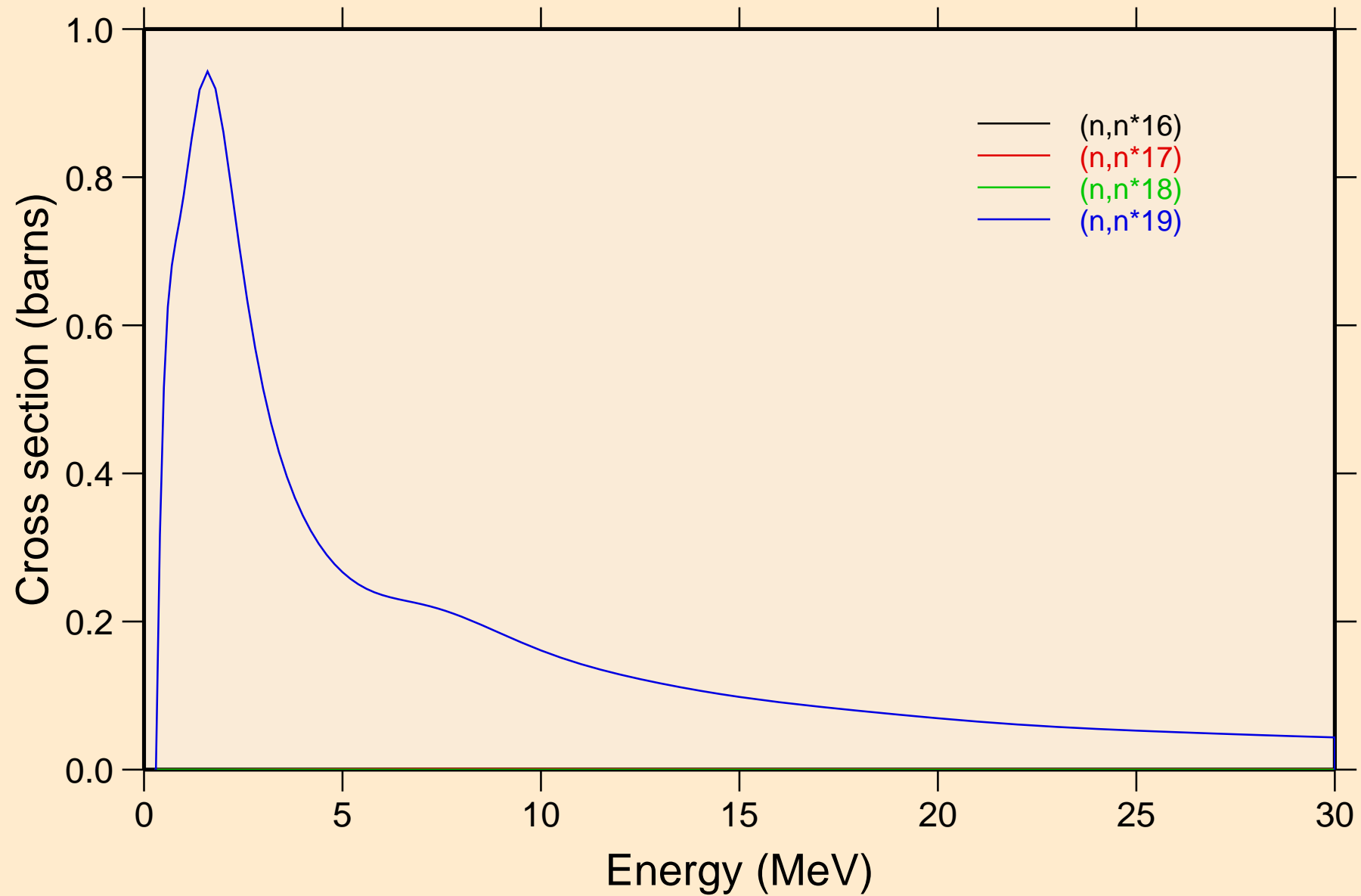
ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

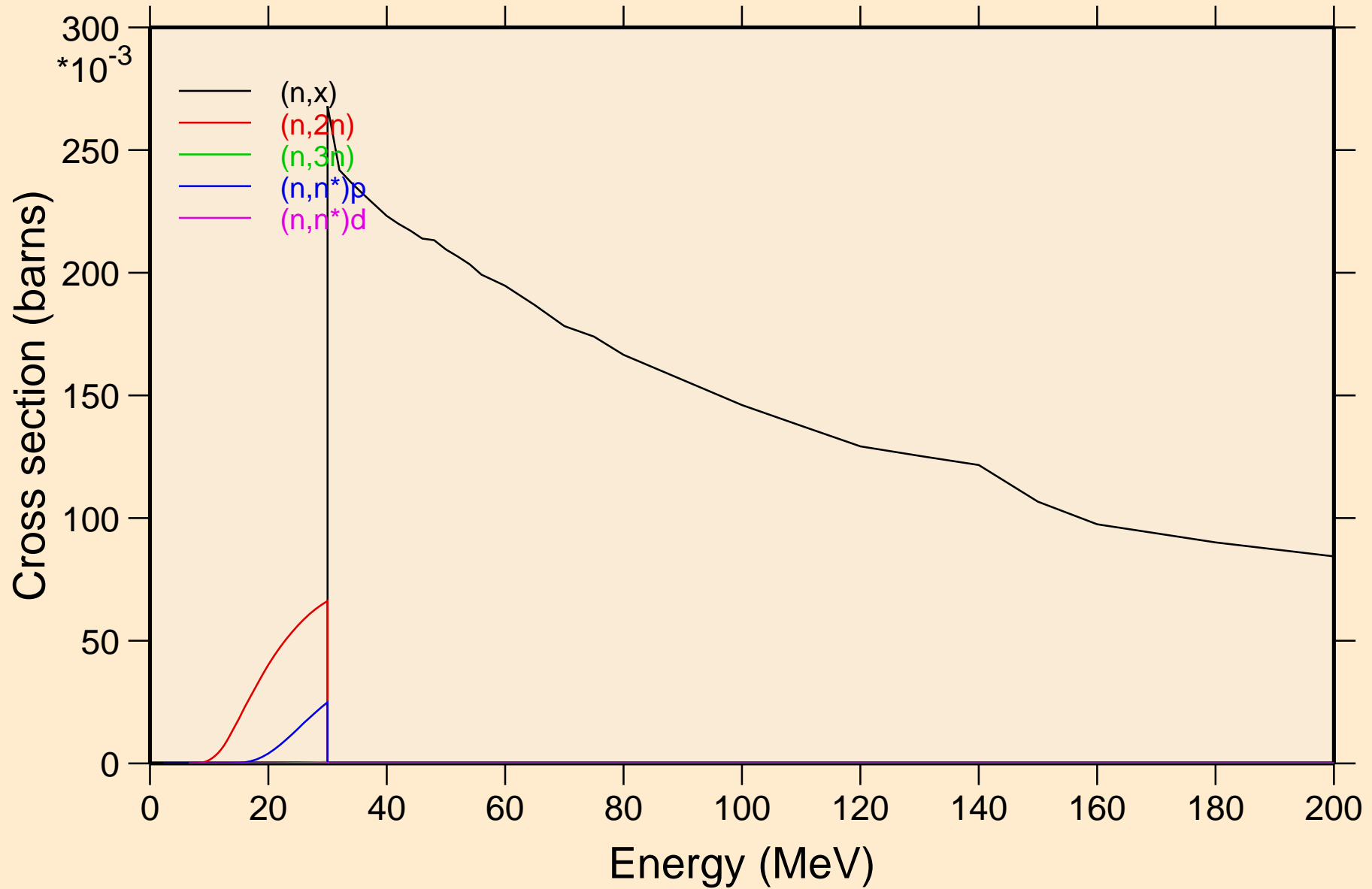


ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



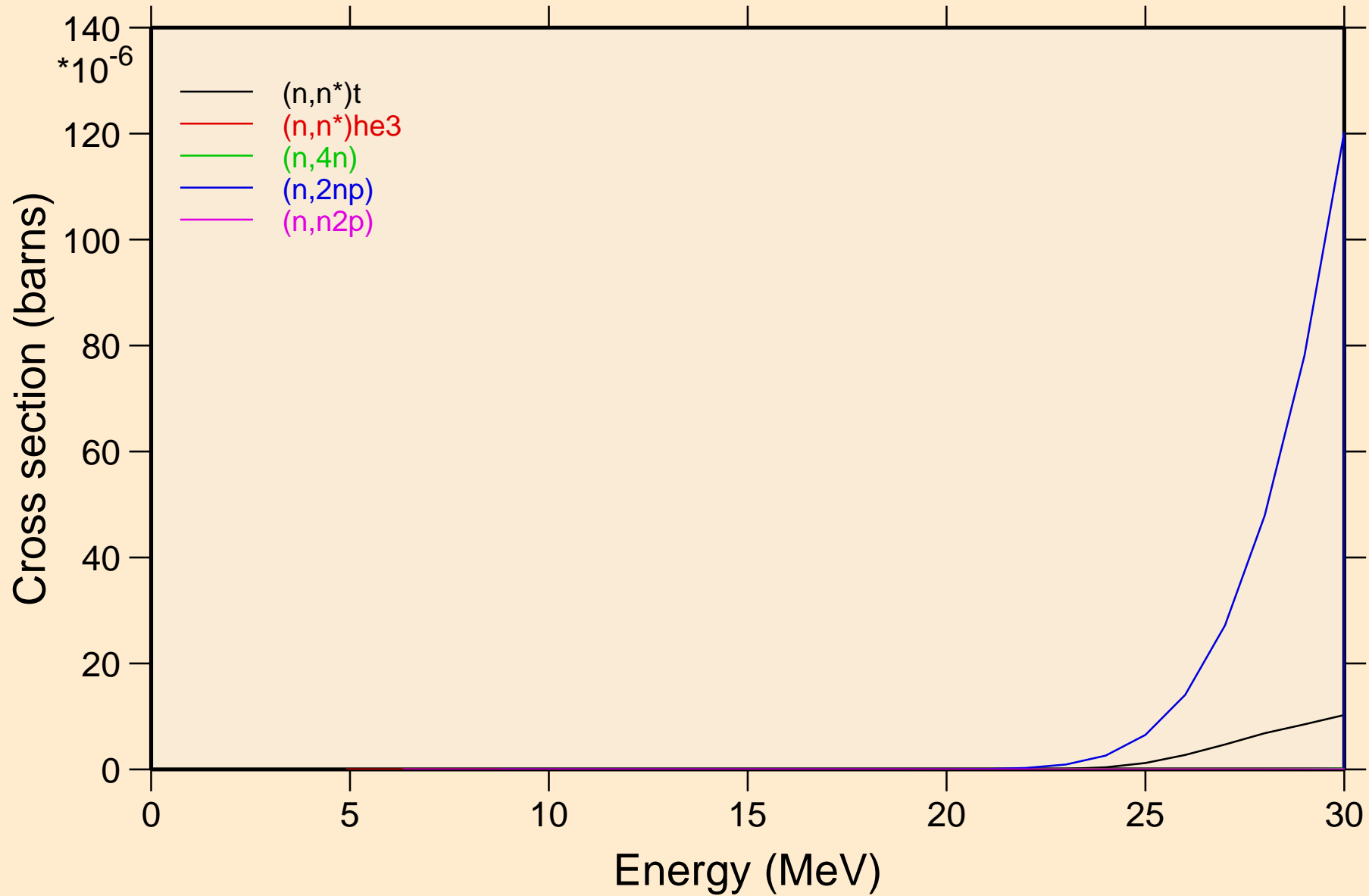
# ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



# ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

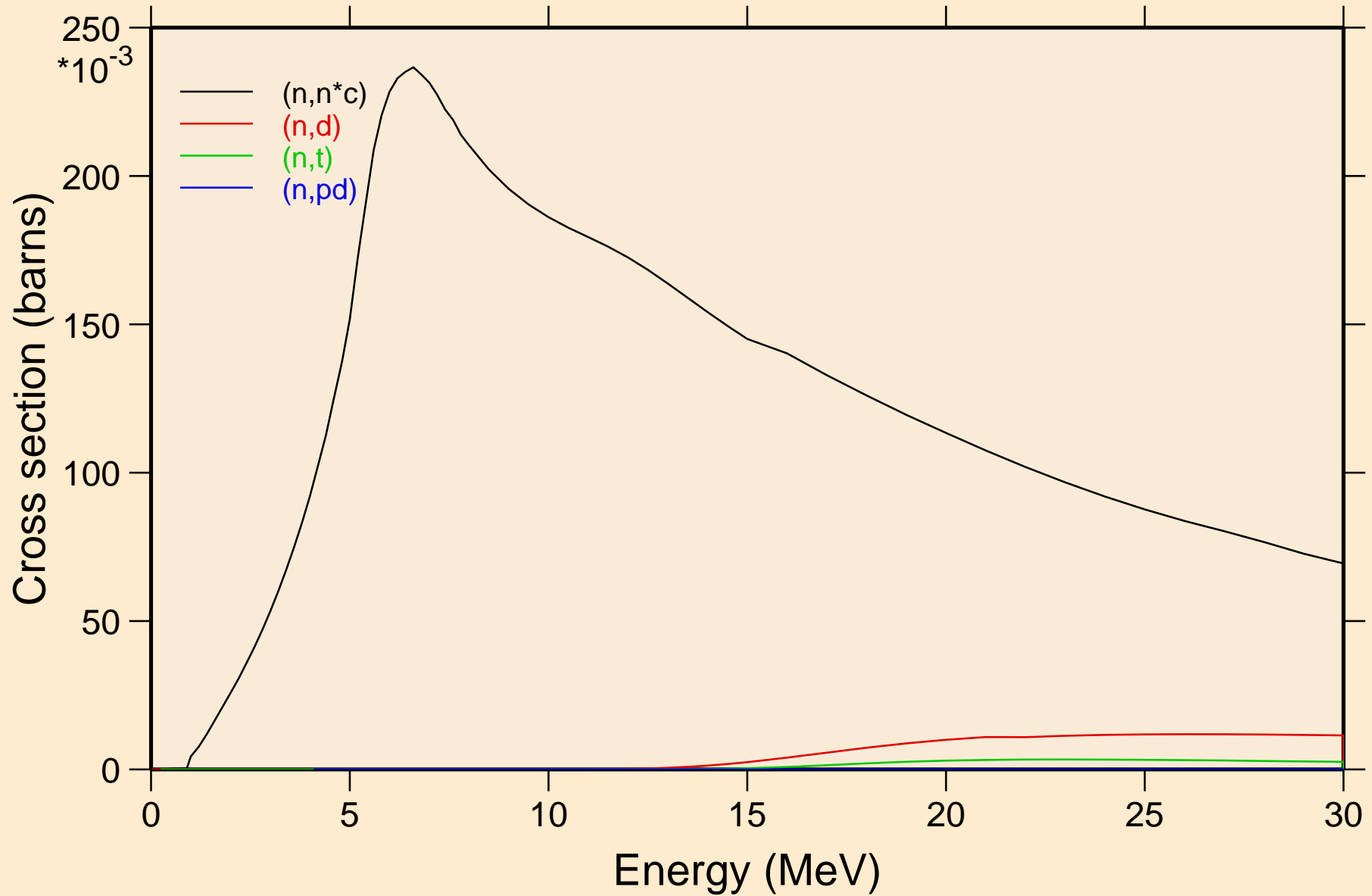
## Threshold reactions



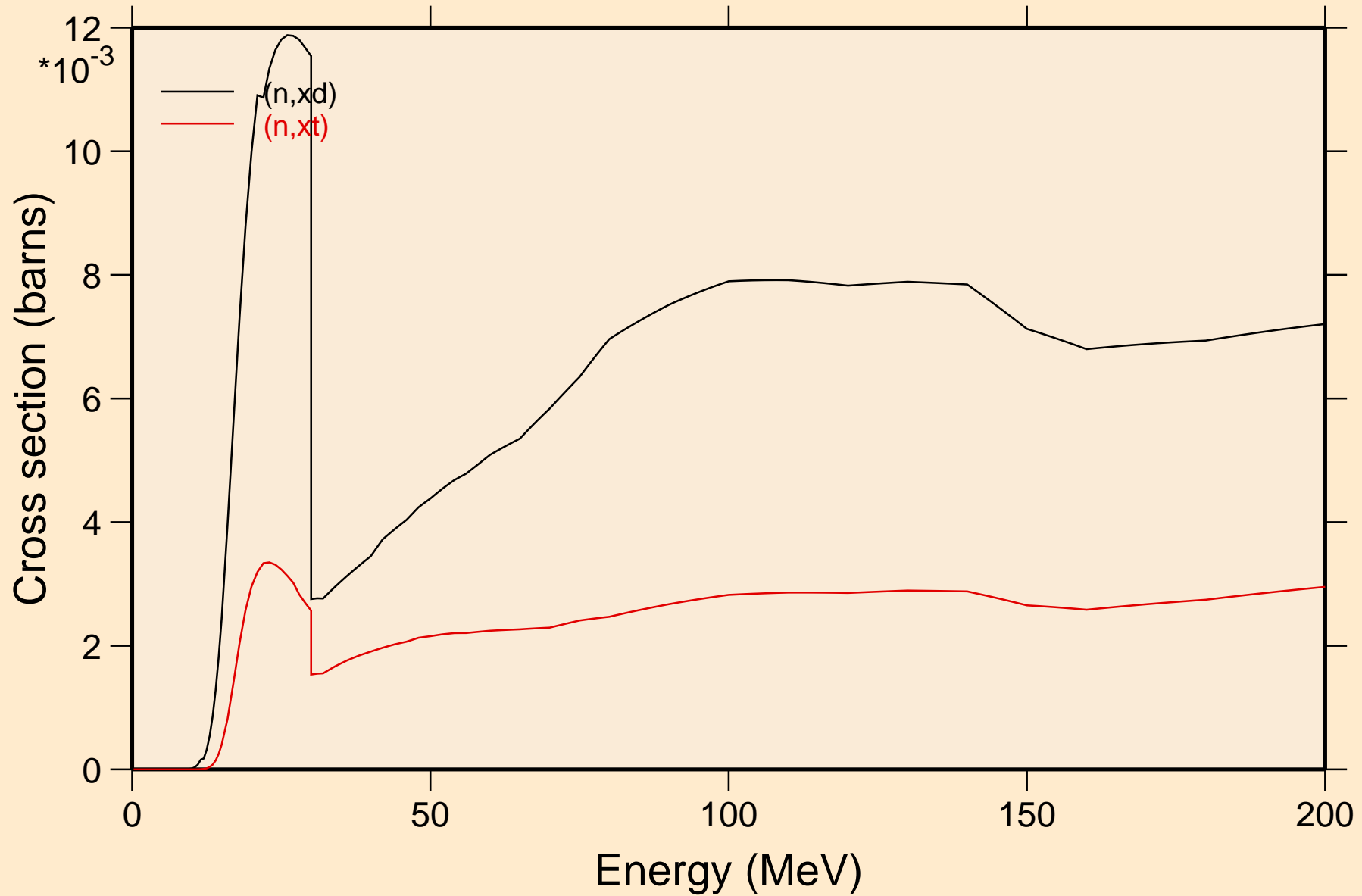


# ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

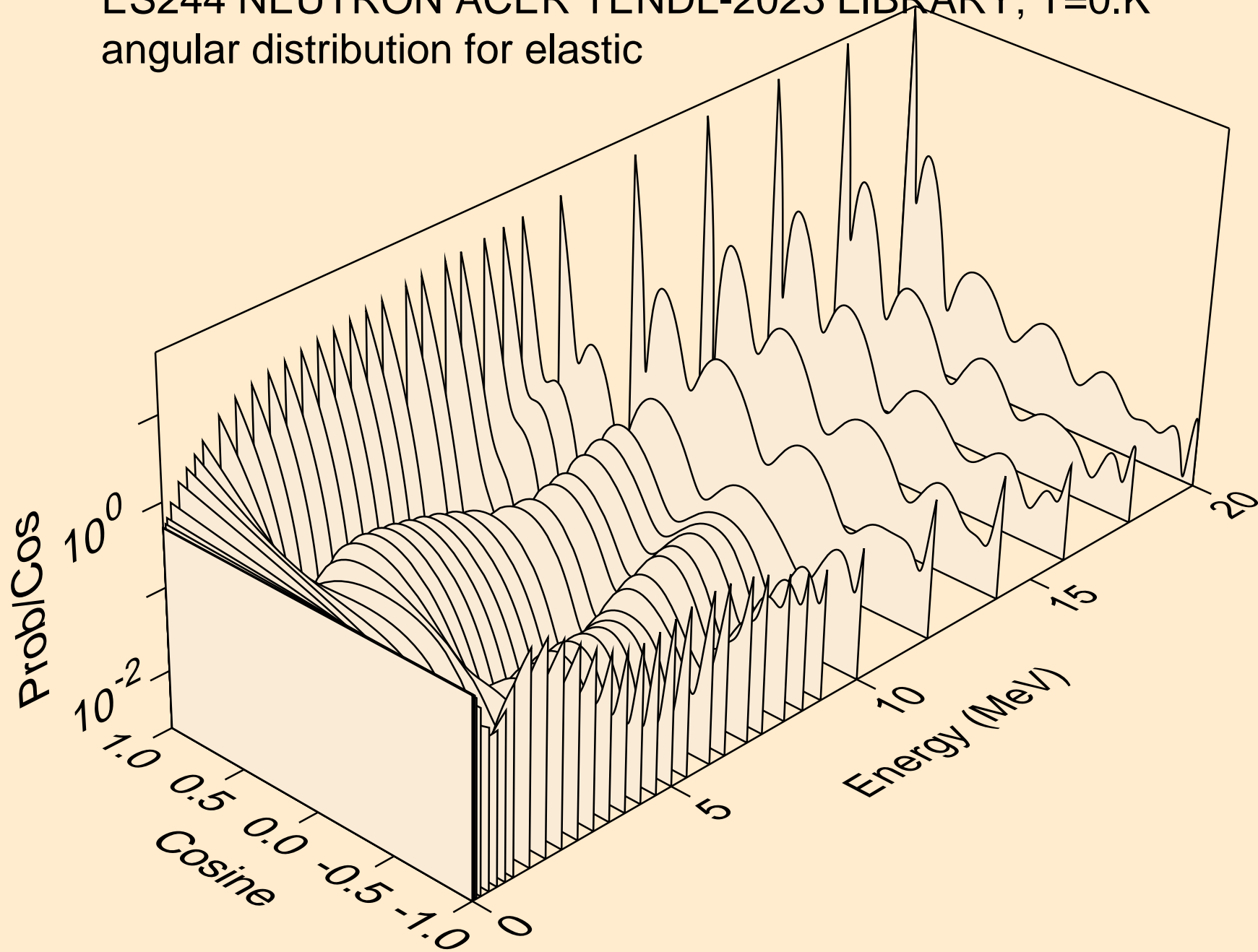
## Threshold reactions



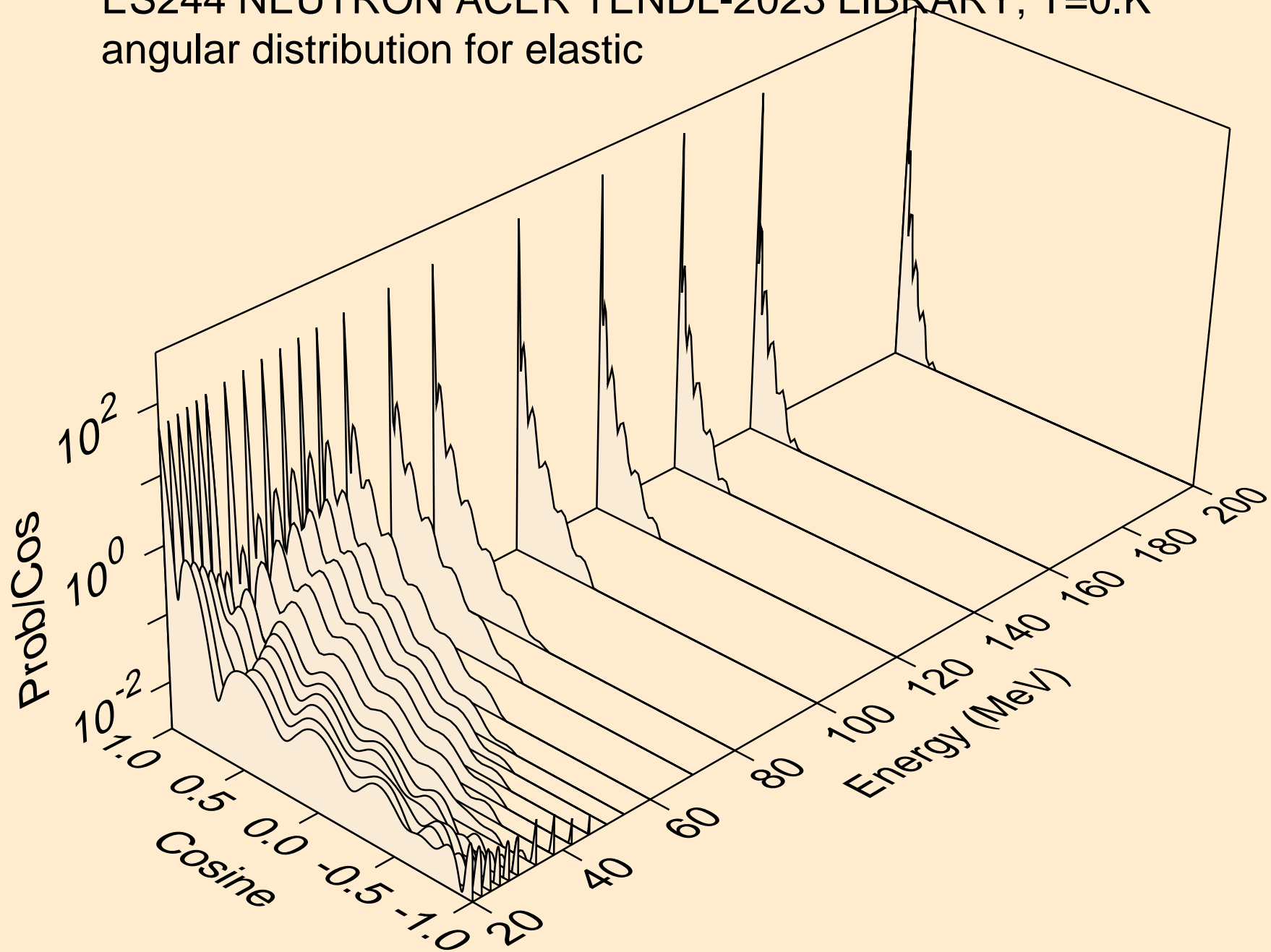
ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



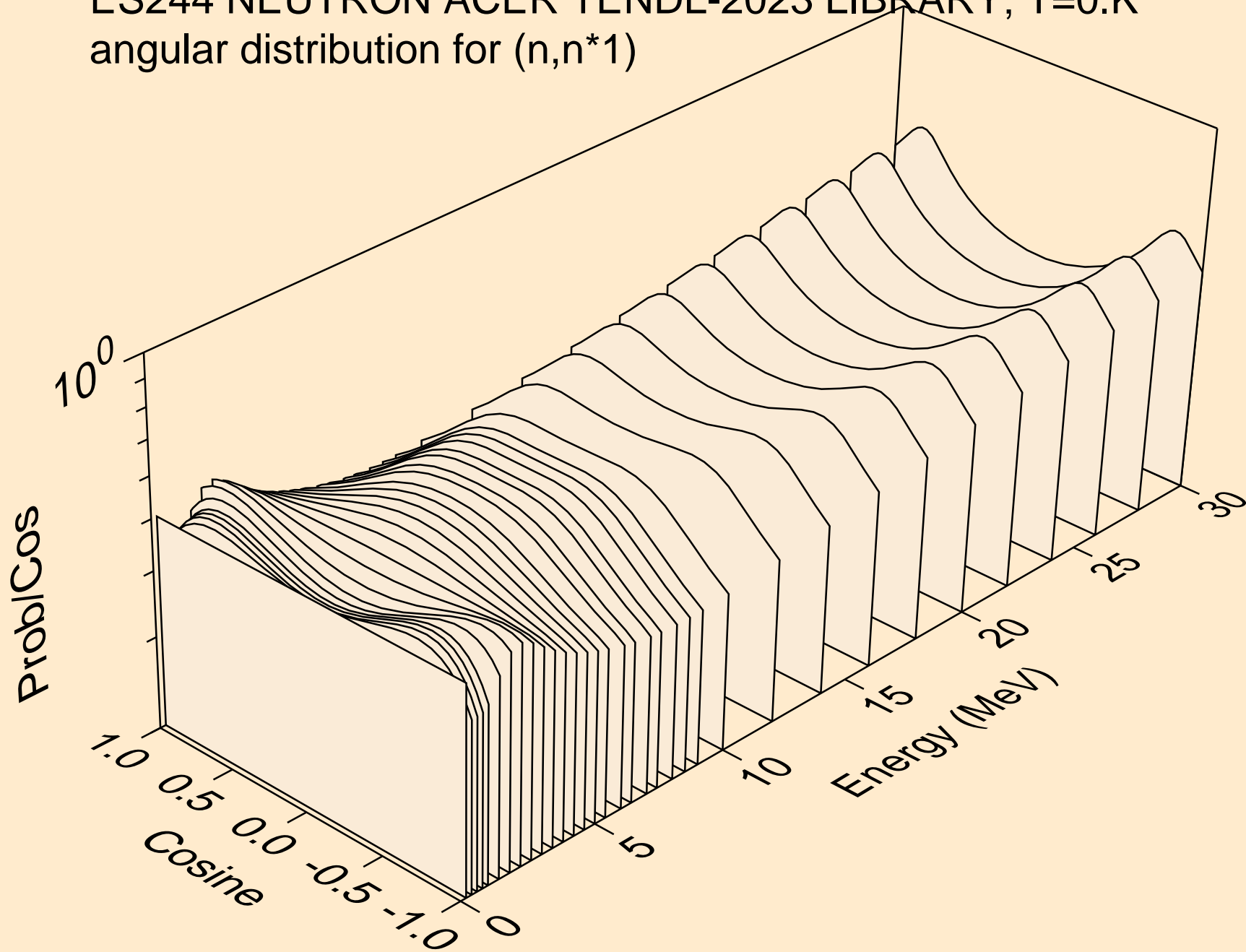
ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



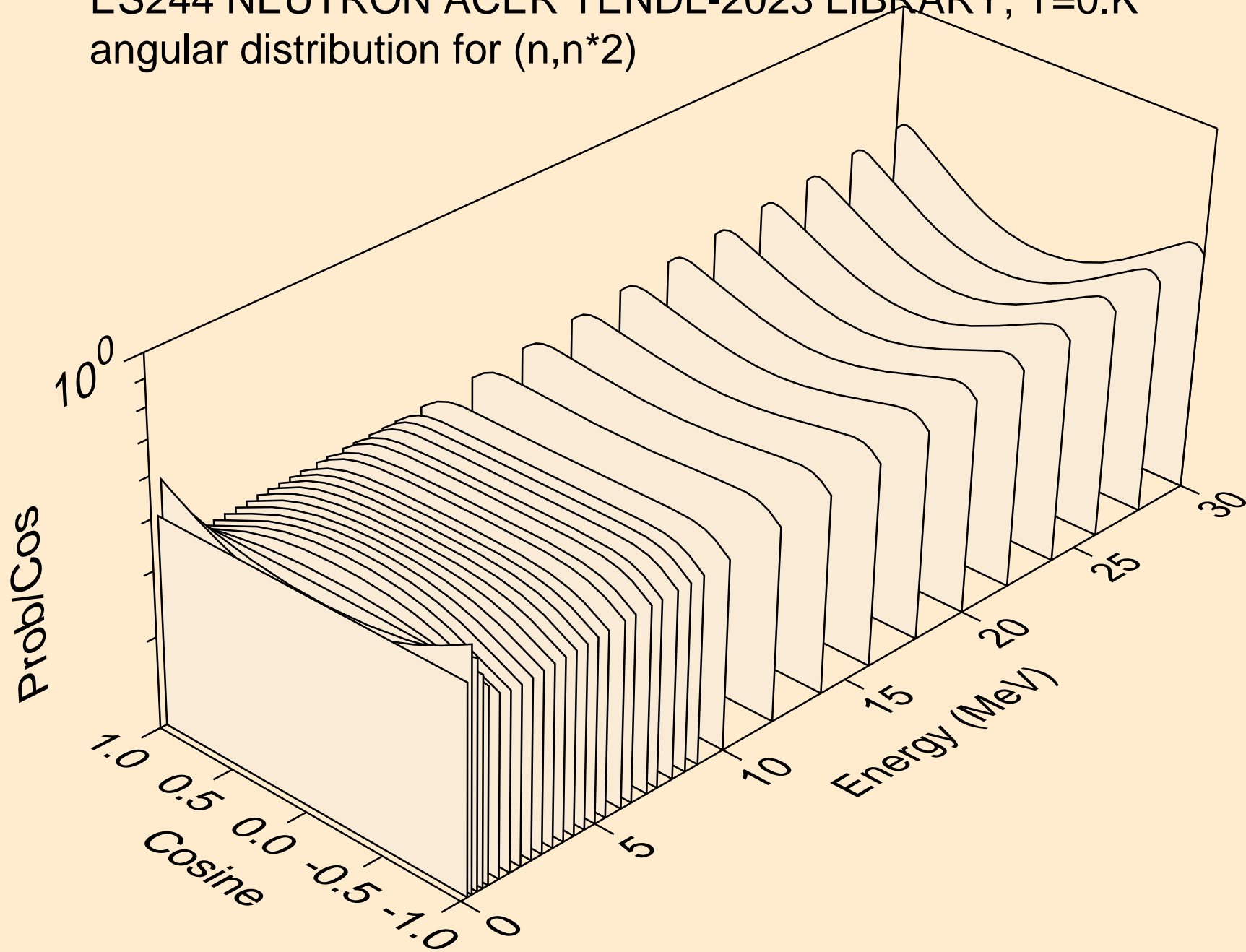
ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



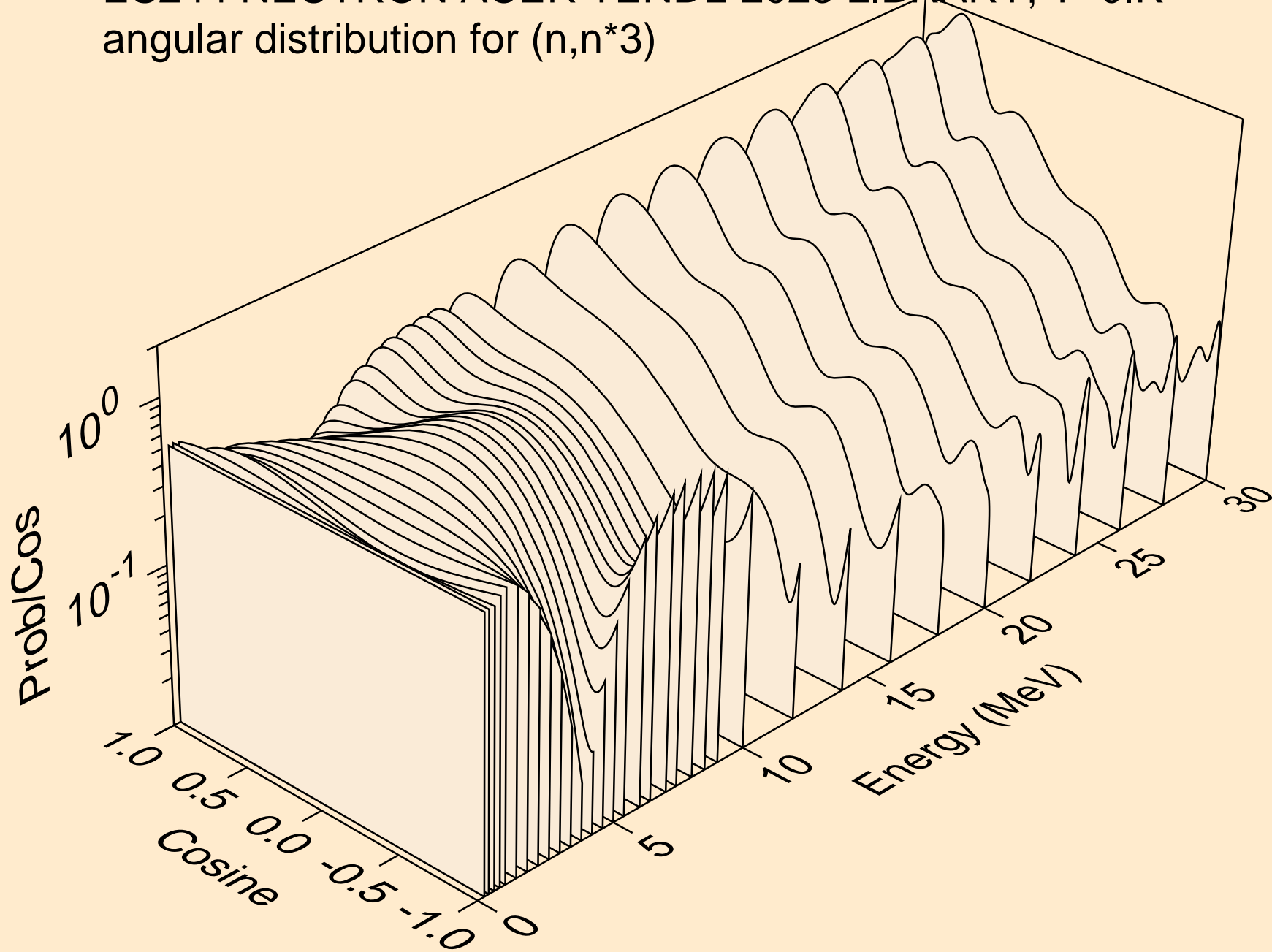
ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



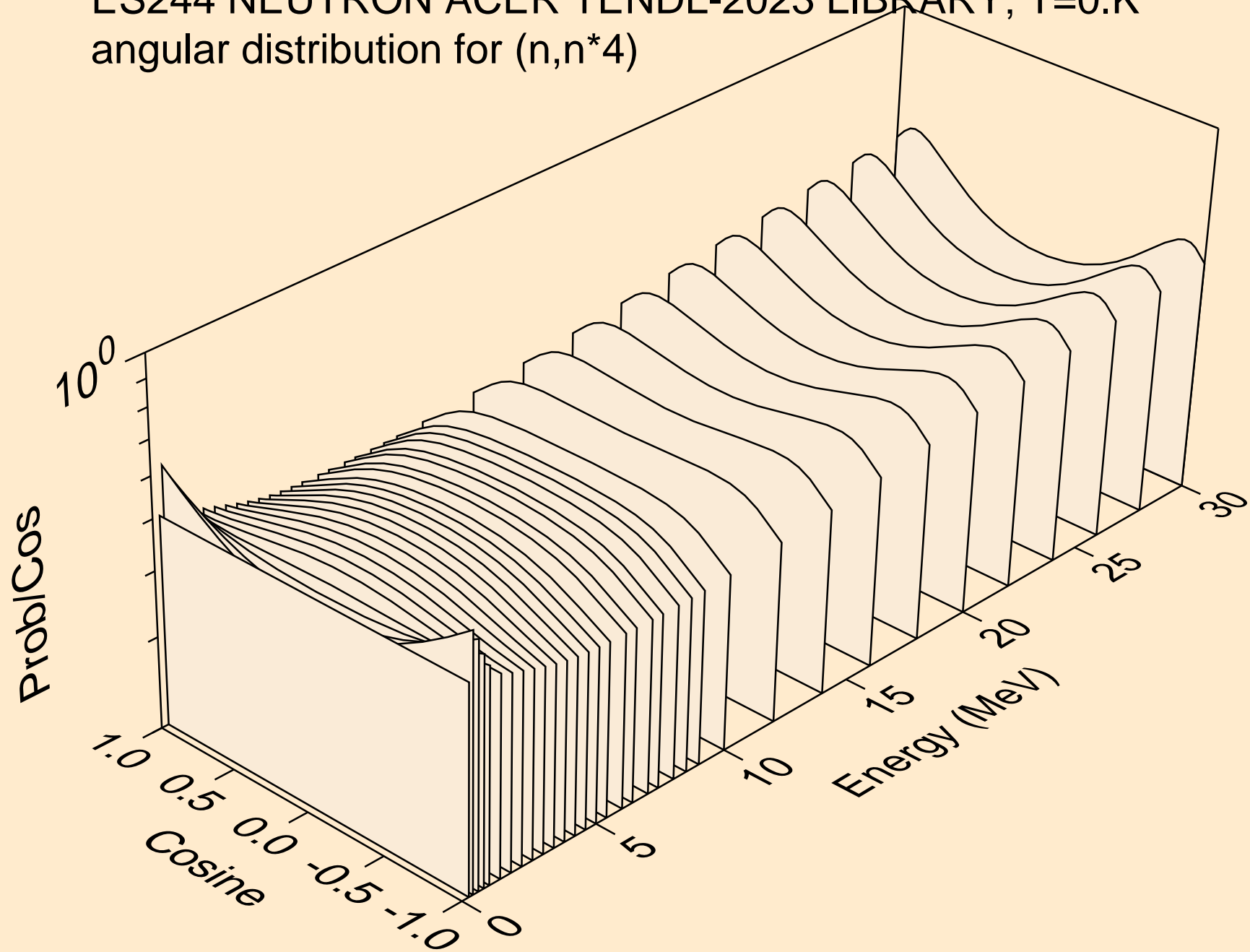
ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*2)



ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*3)

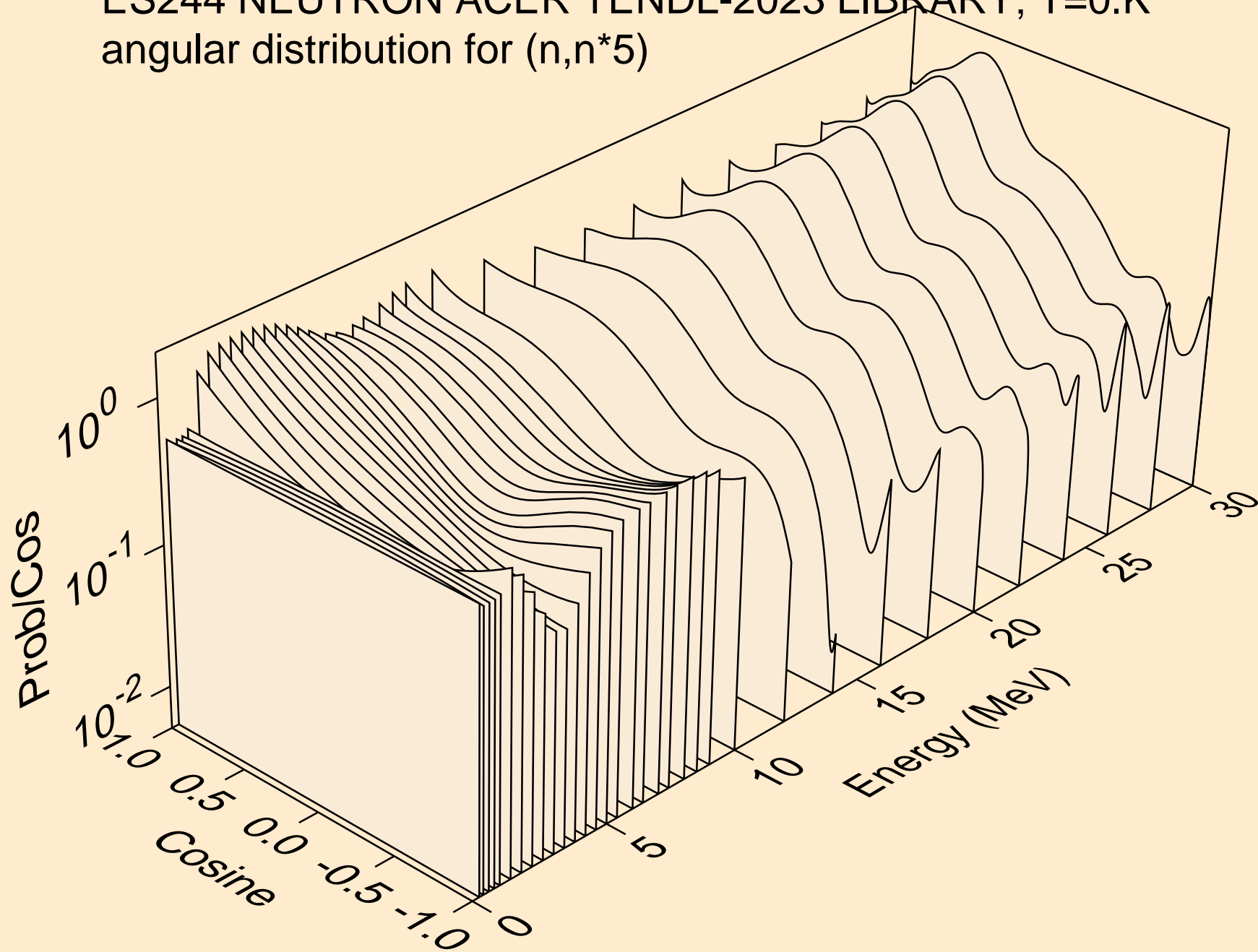


ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*4)

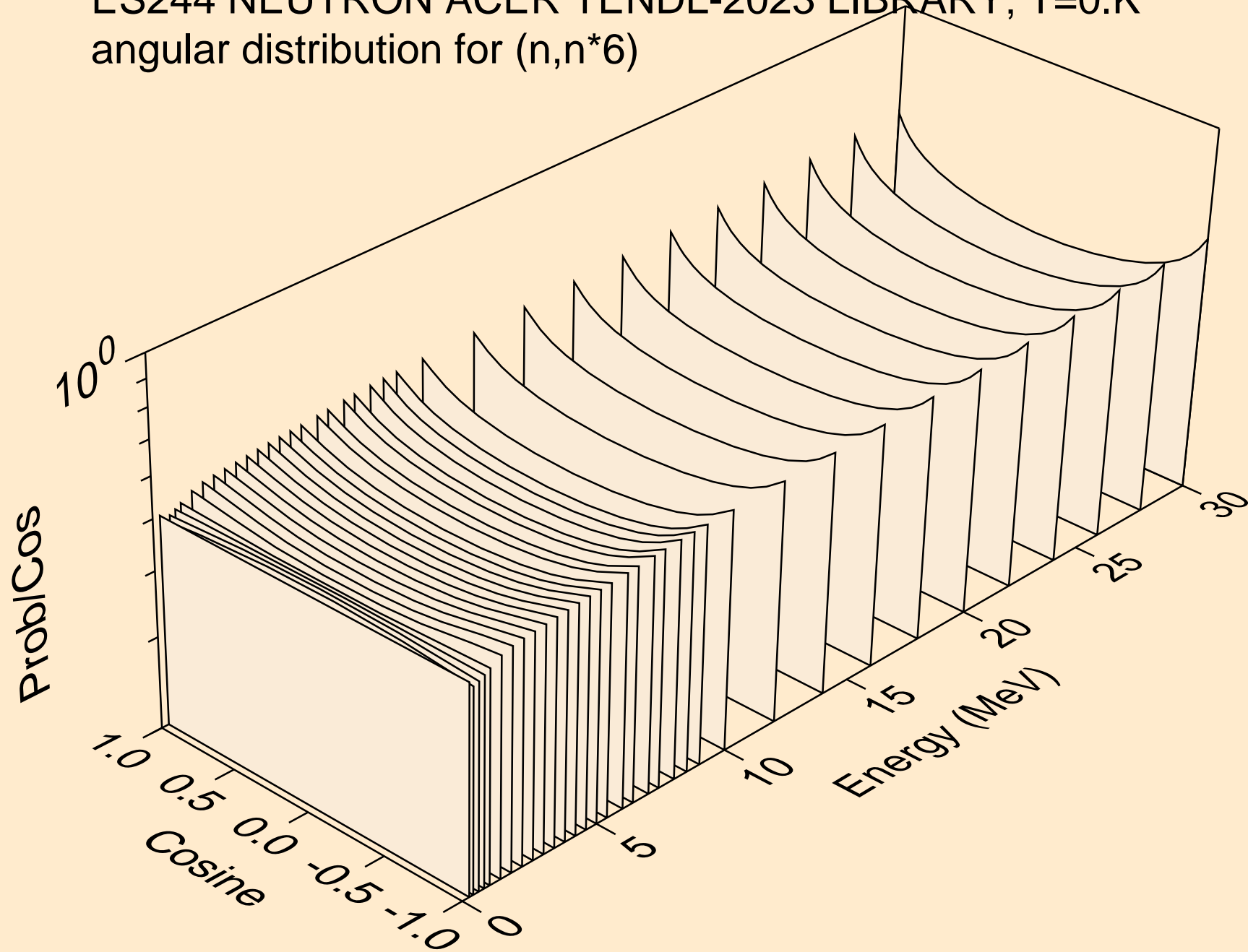




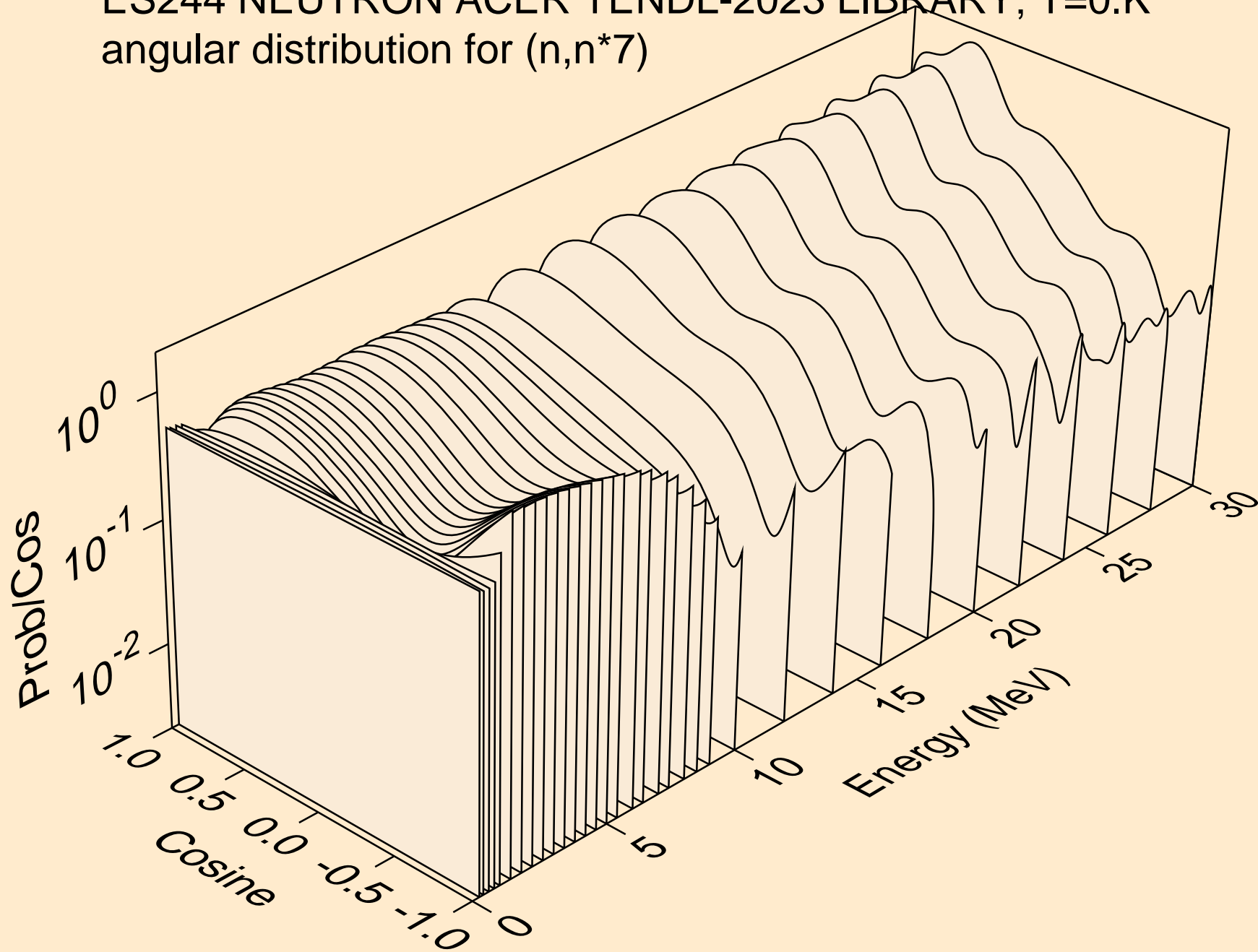
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angular distribution for (n,n\*5)



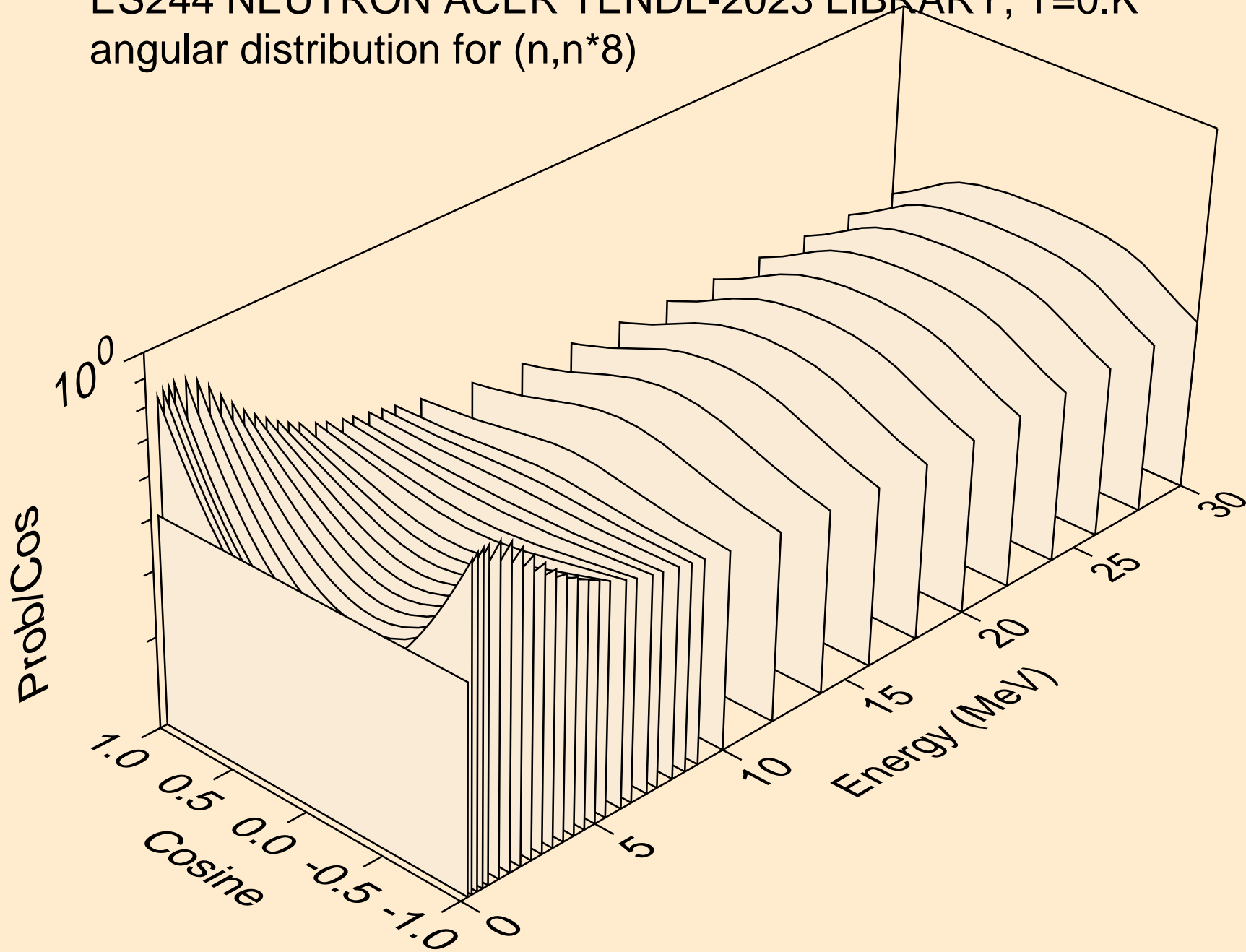
ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*6)



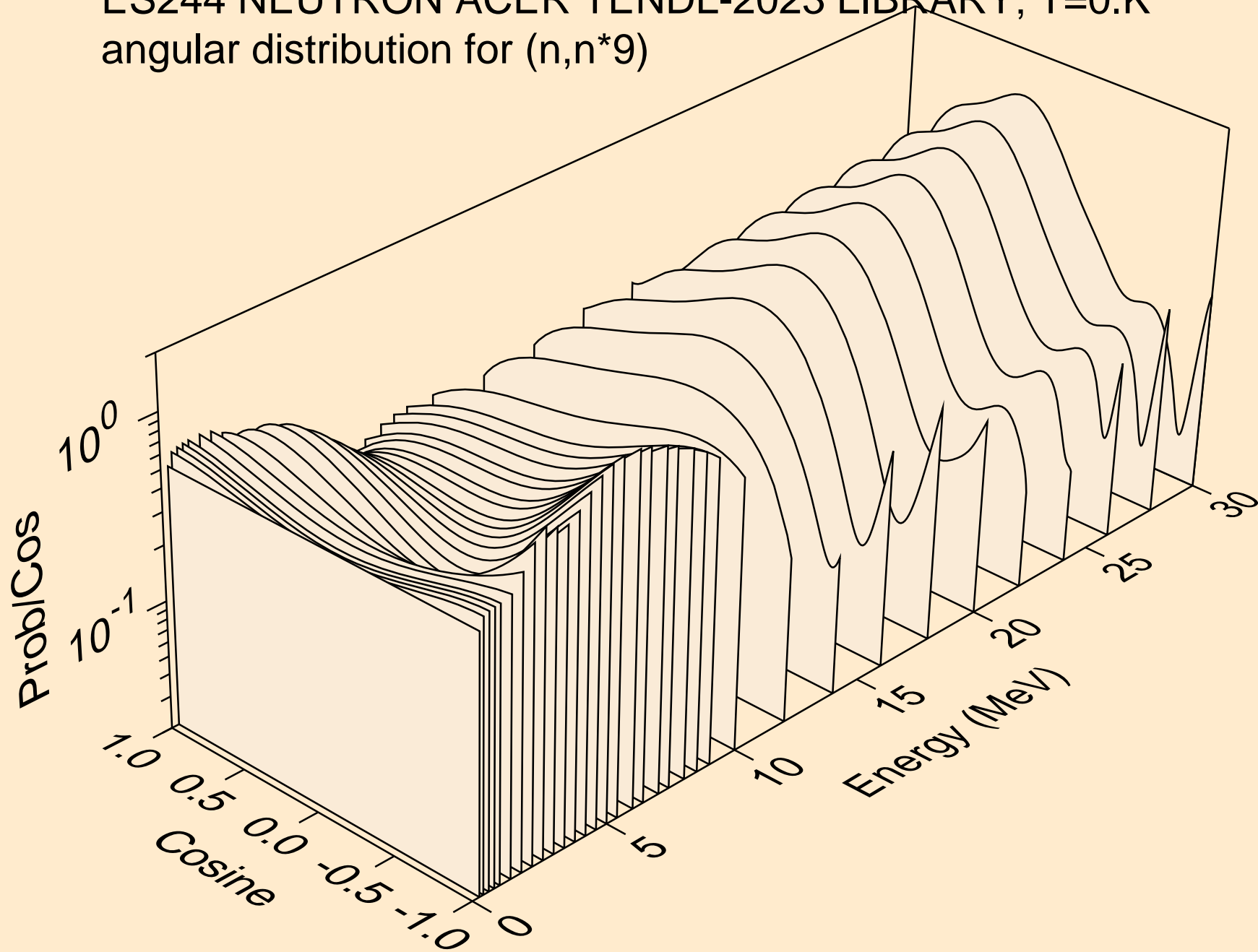
ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*7)



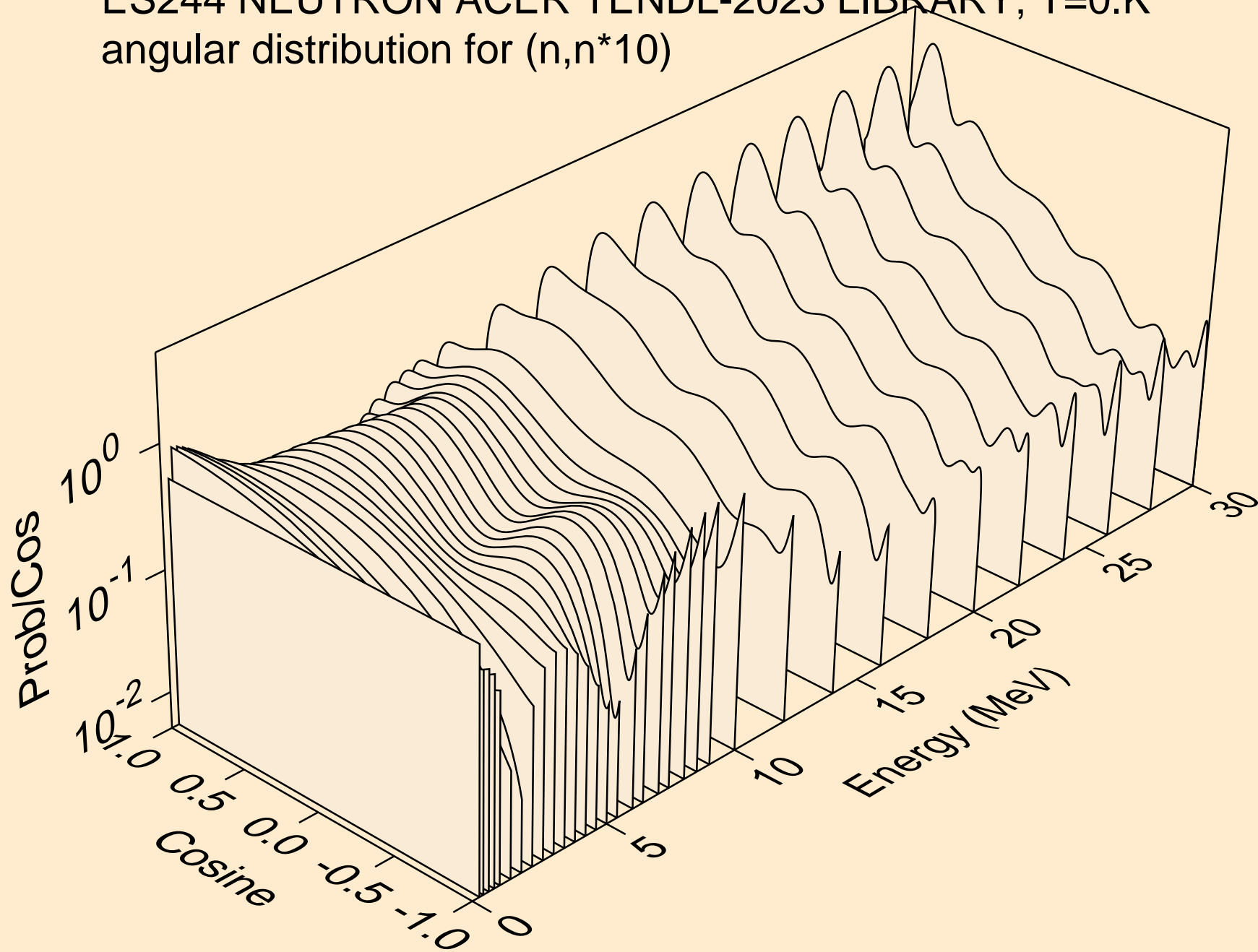
ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*8)



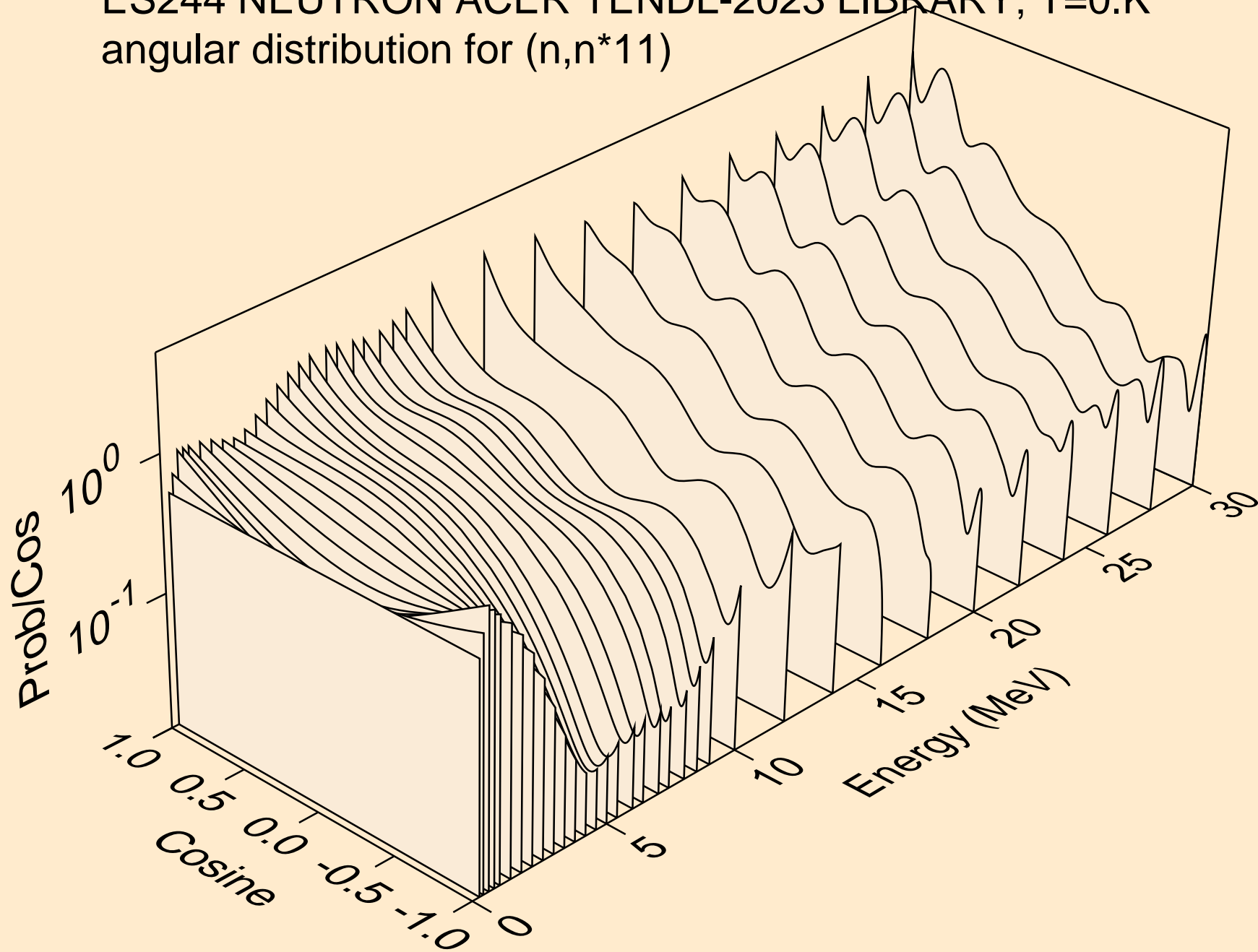
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angular distribution for (n,n\*9)



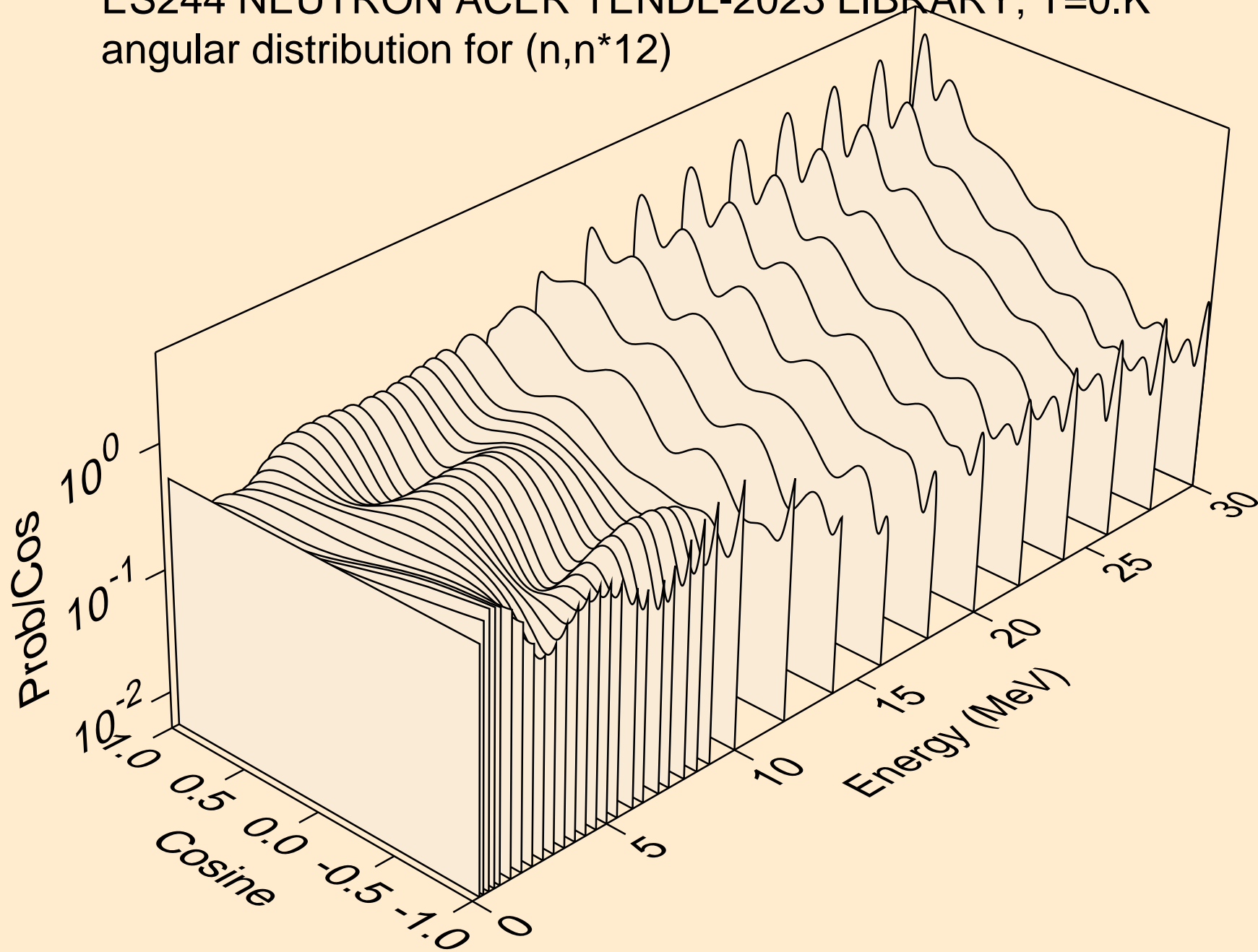
ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*10)



ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*11)

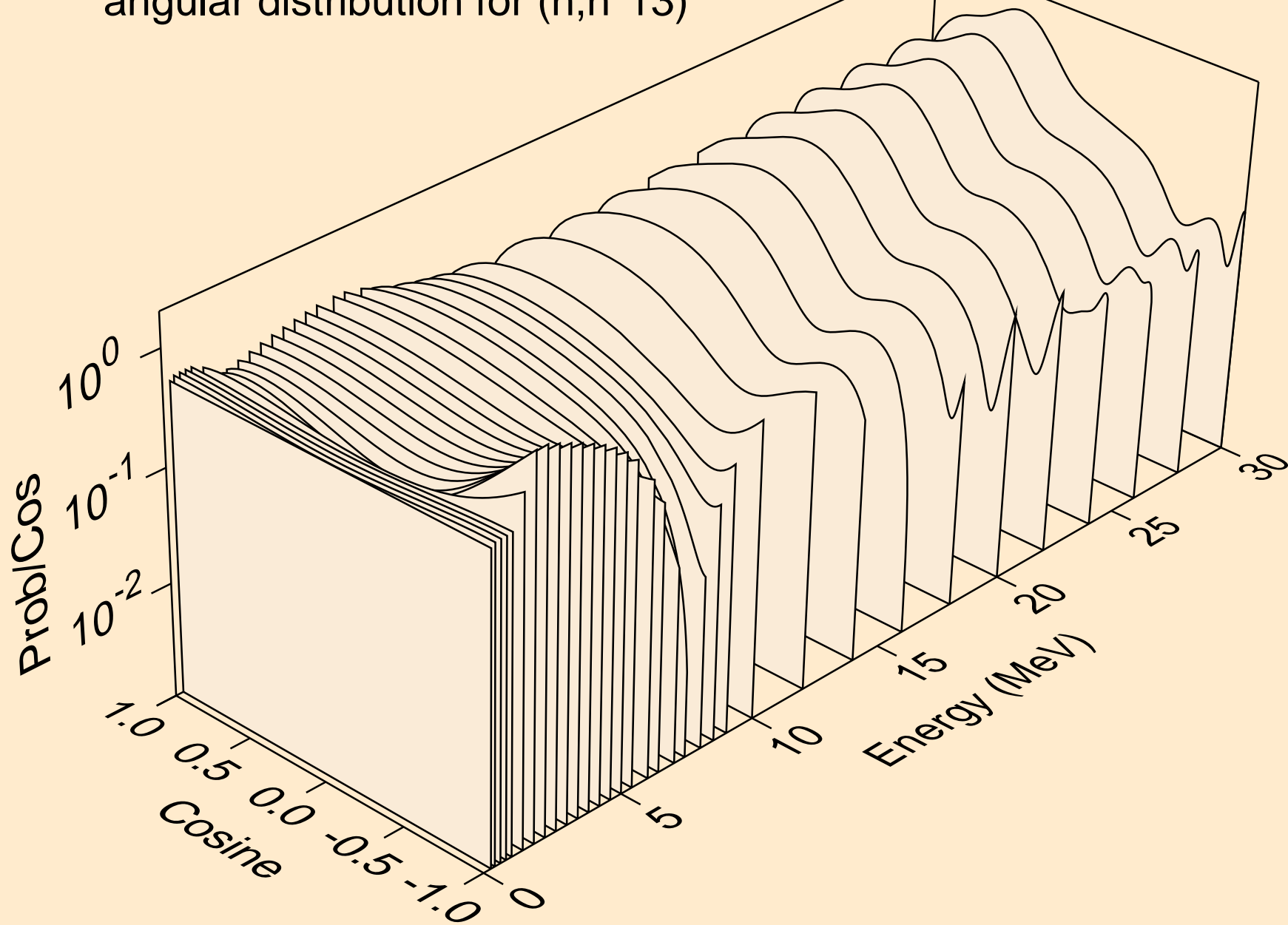


ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*12)

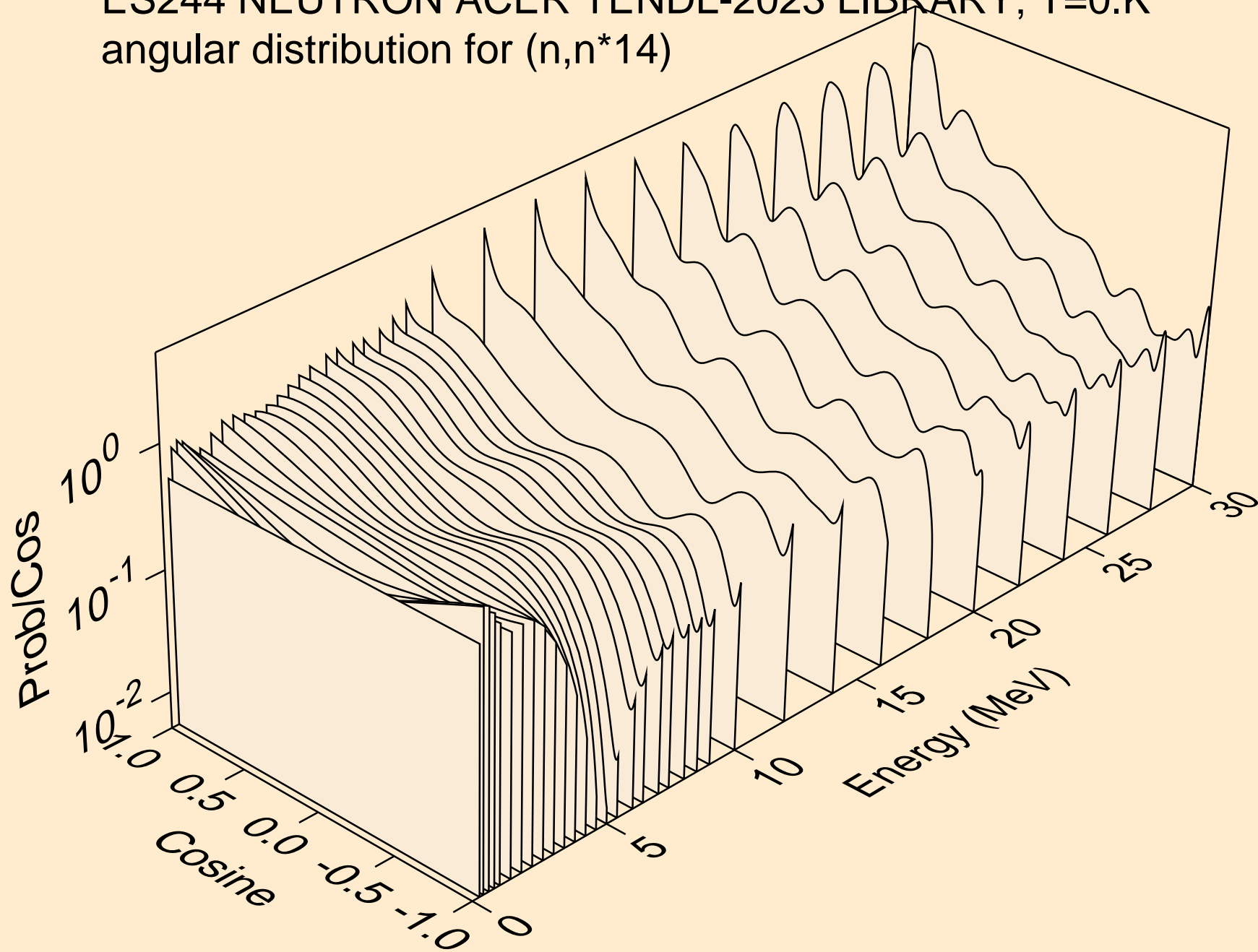




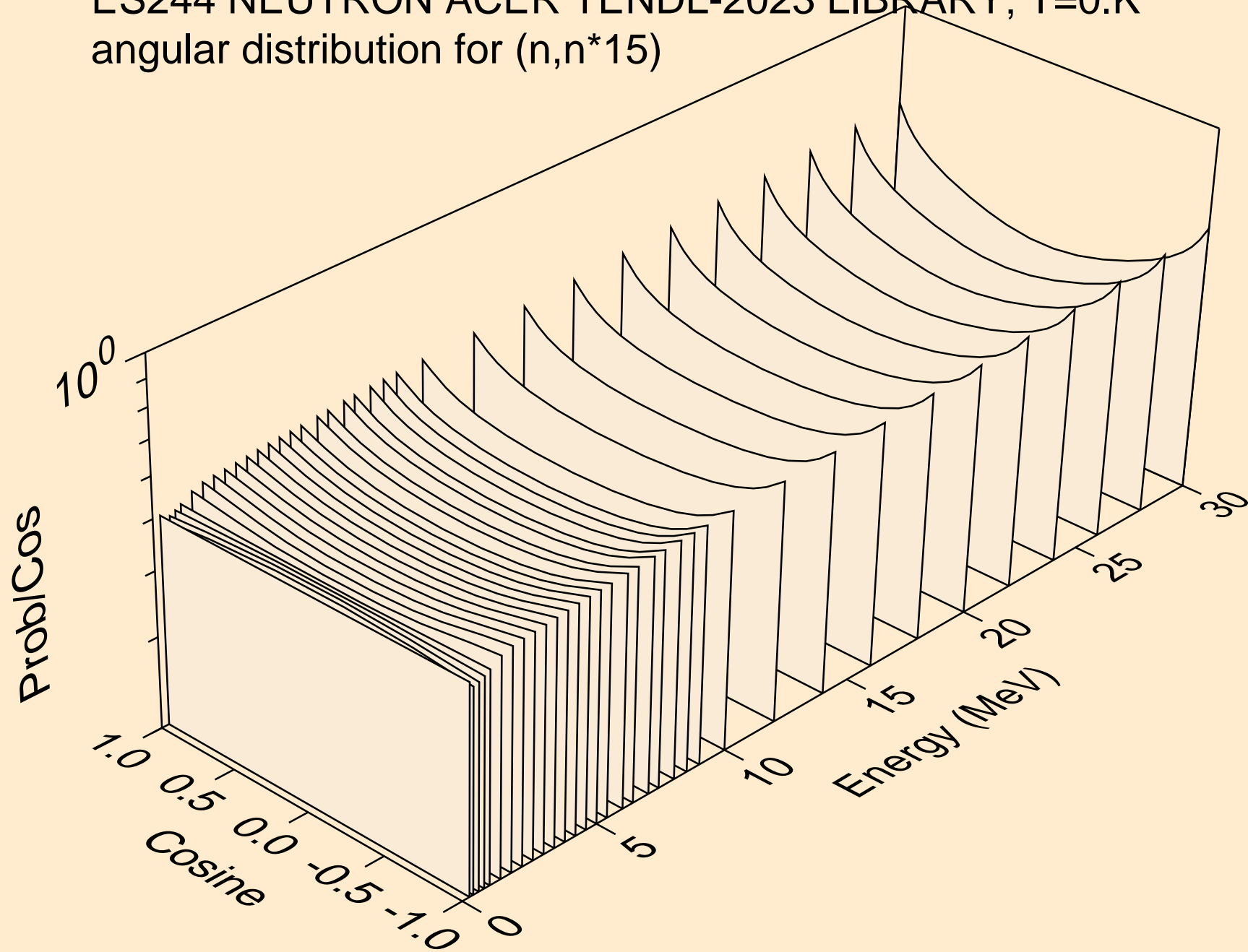
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angular distribution for (n,n\*13)



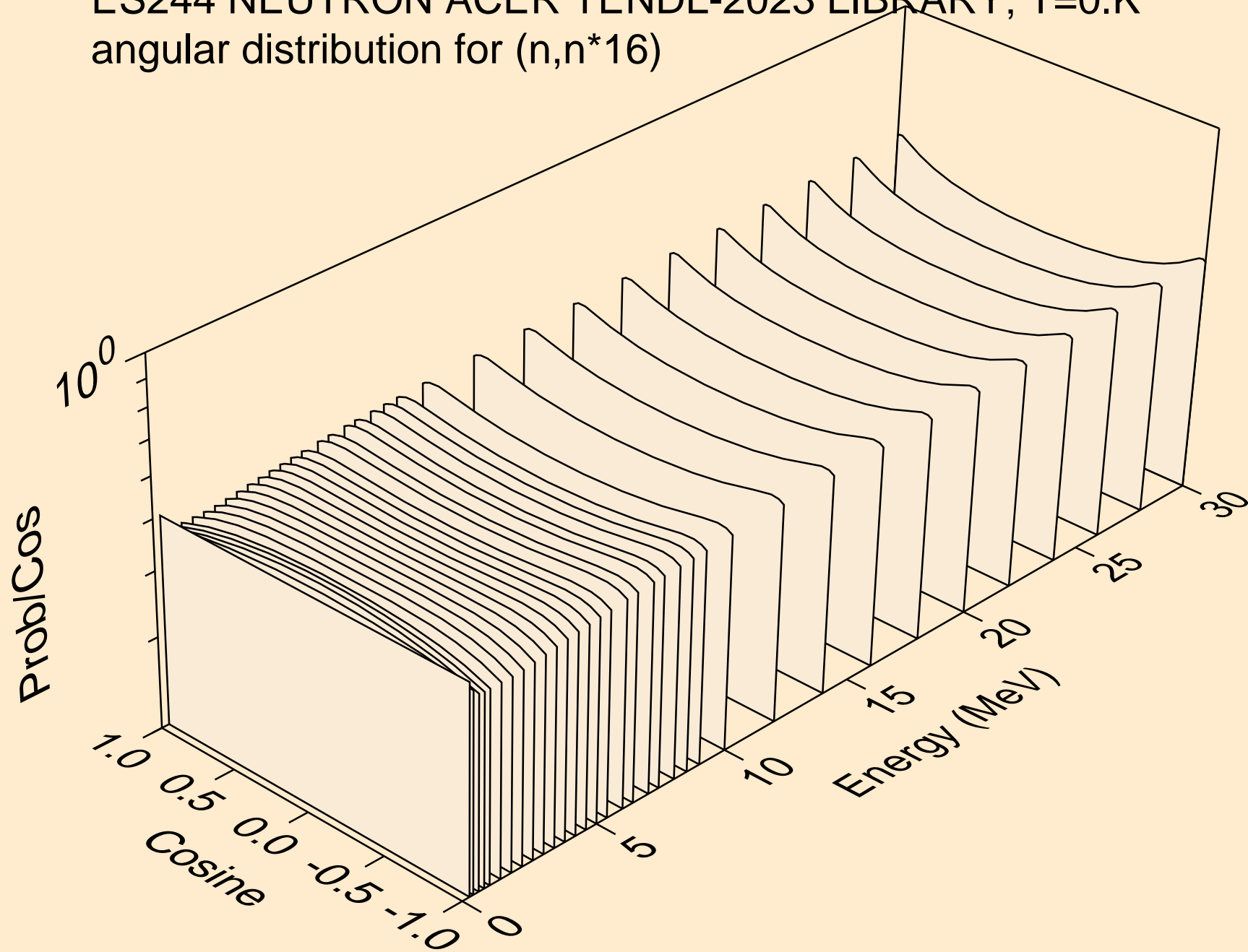
ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*14)



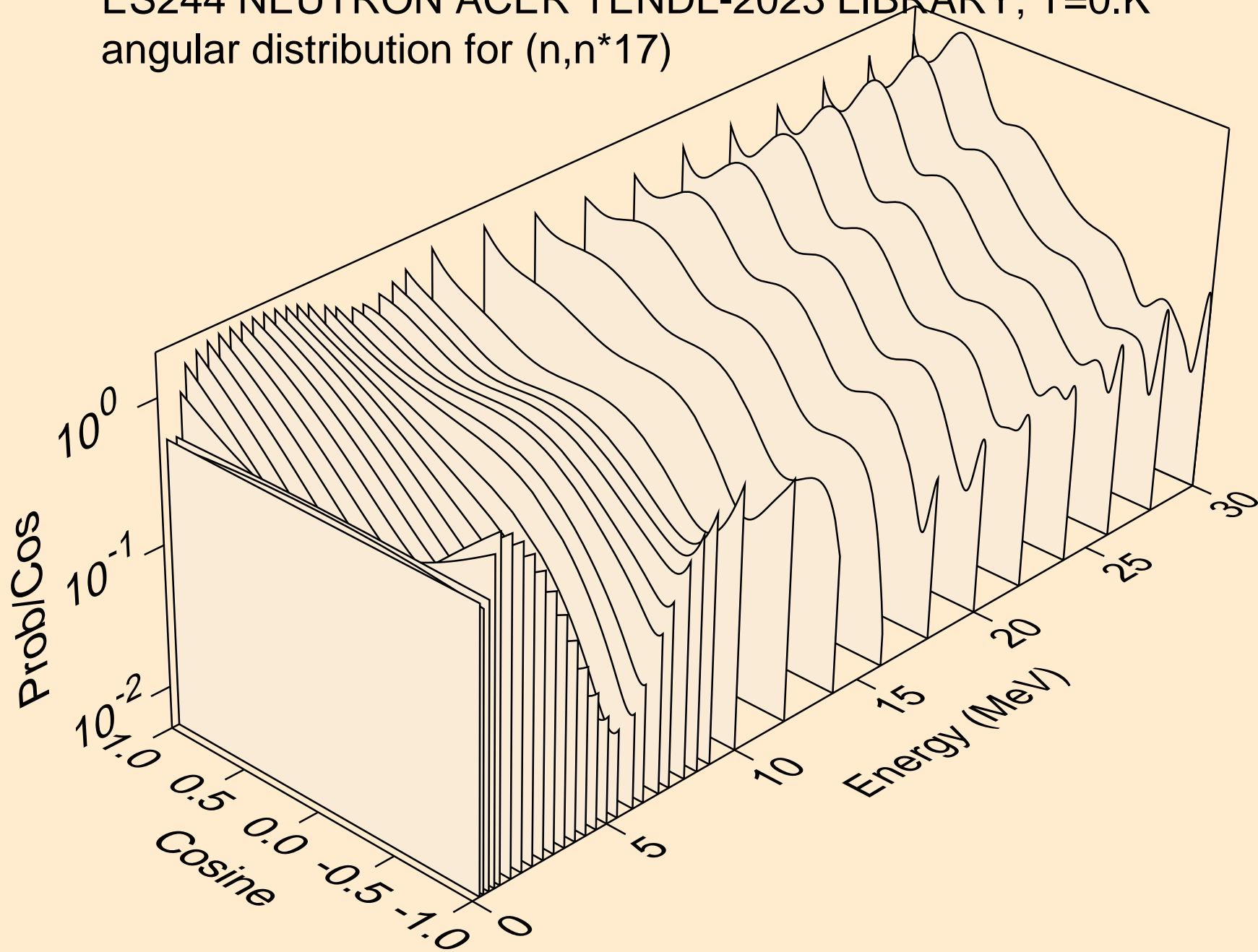
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angular distribution for (n,n\*15)



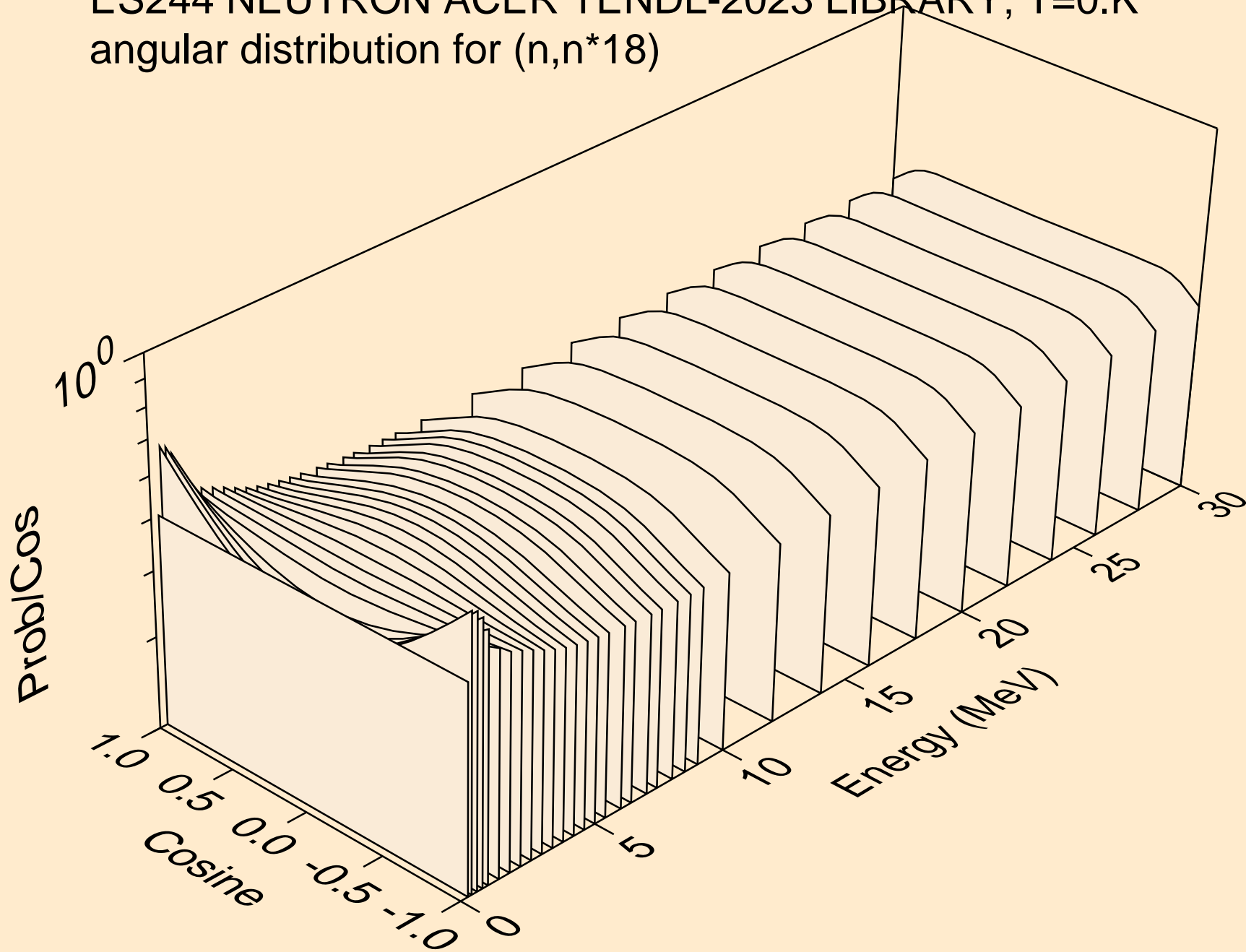
ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*16)



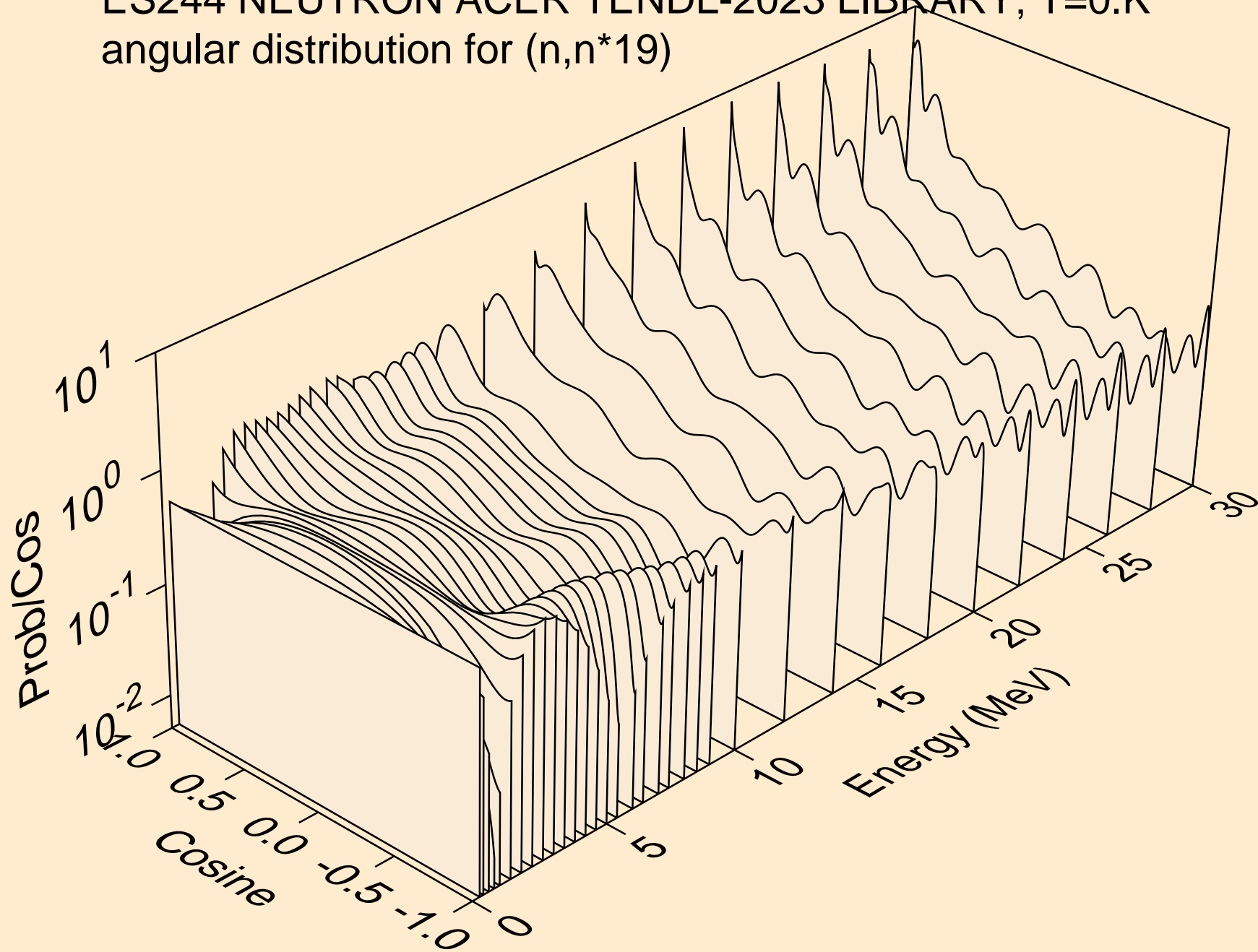
ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*17)



ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*18)

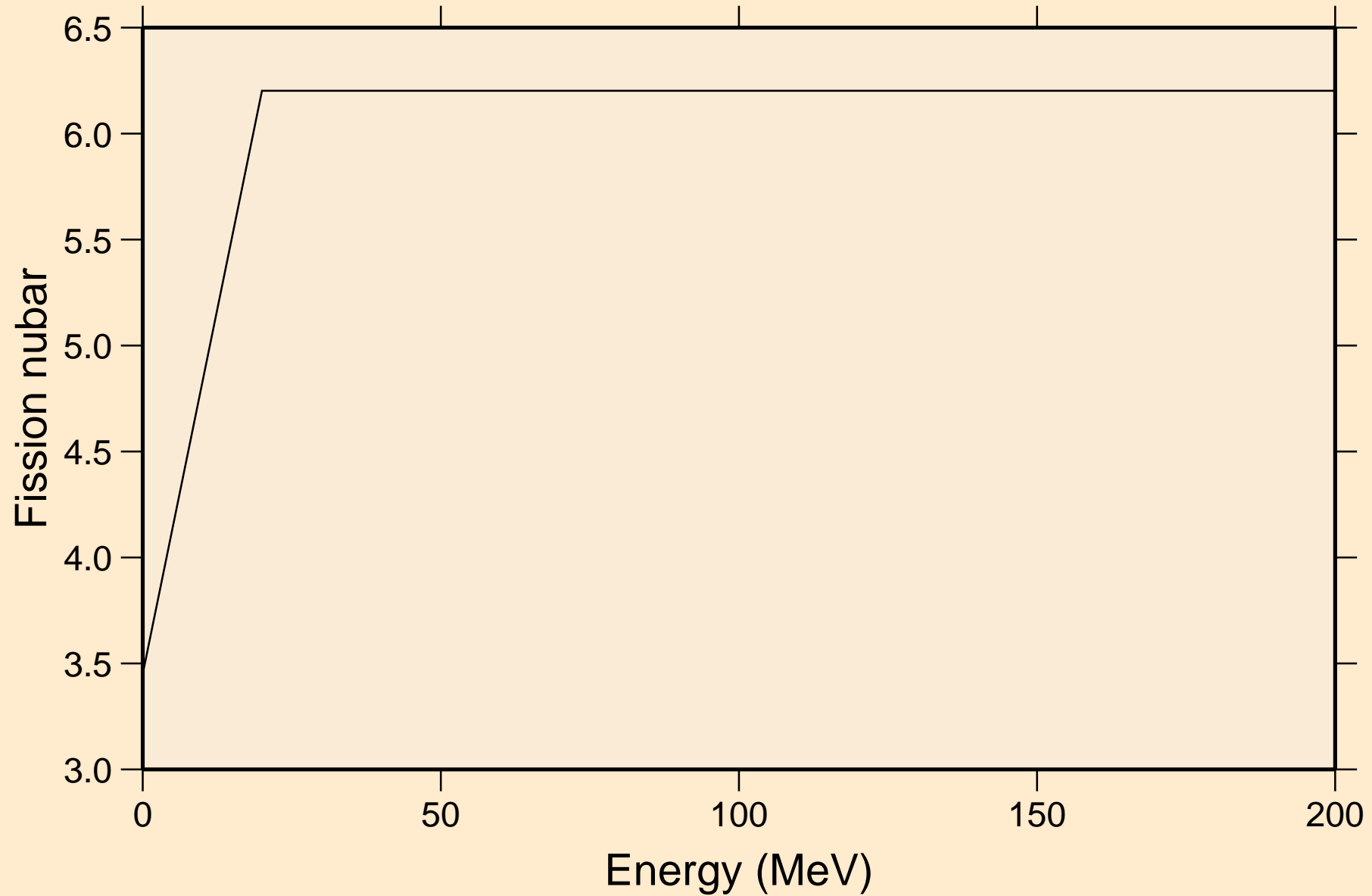


ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*19)



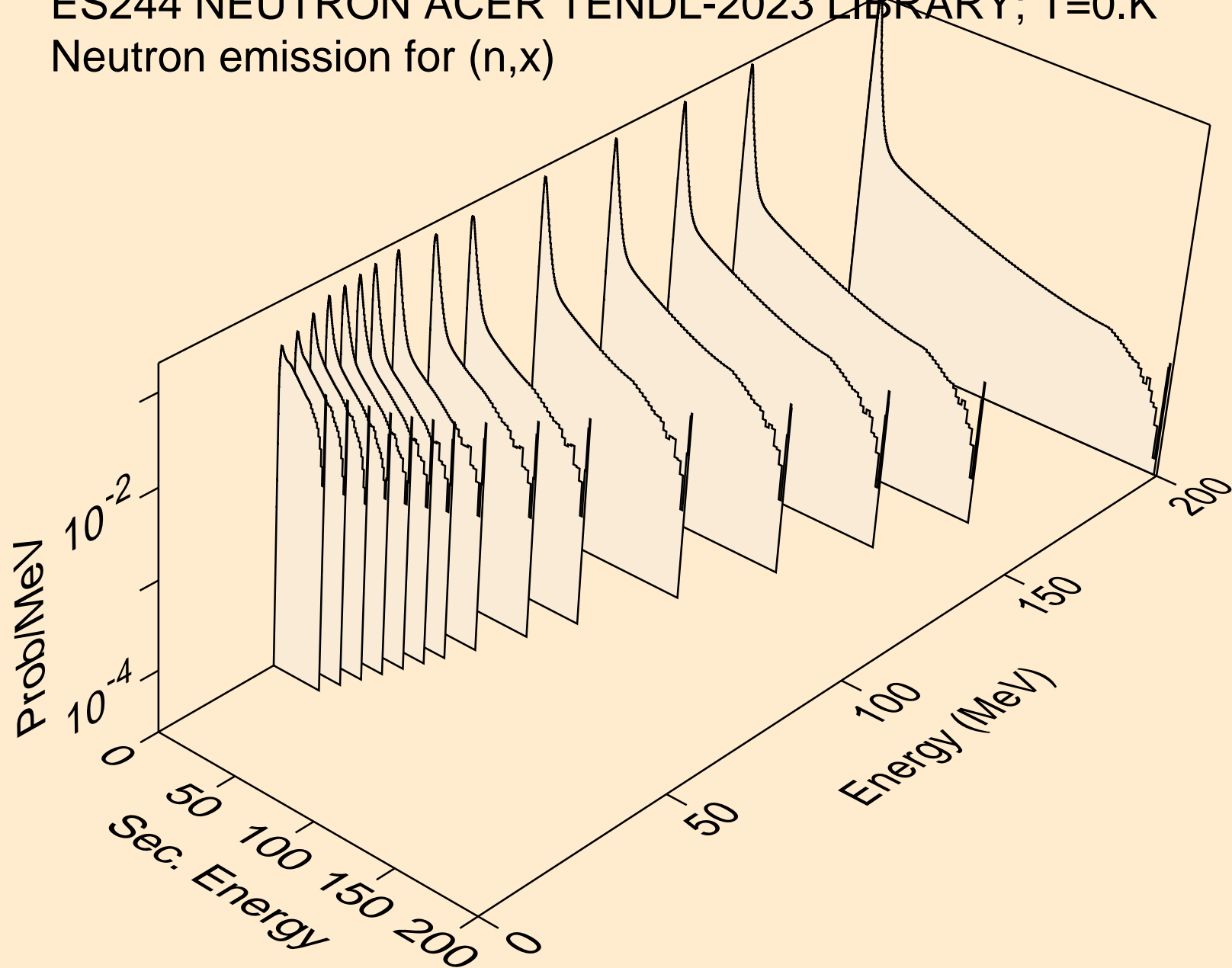
# ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Total fission nubar

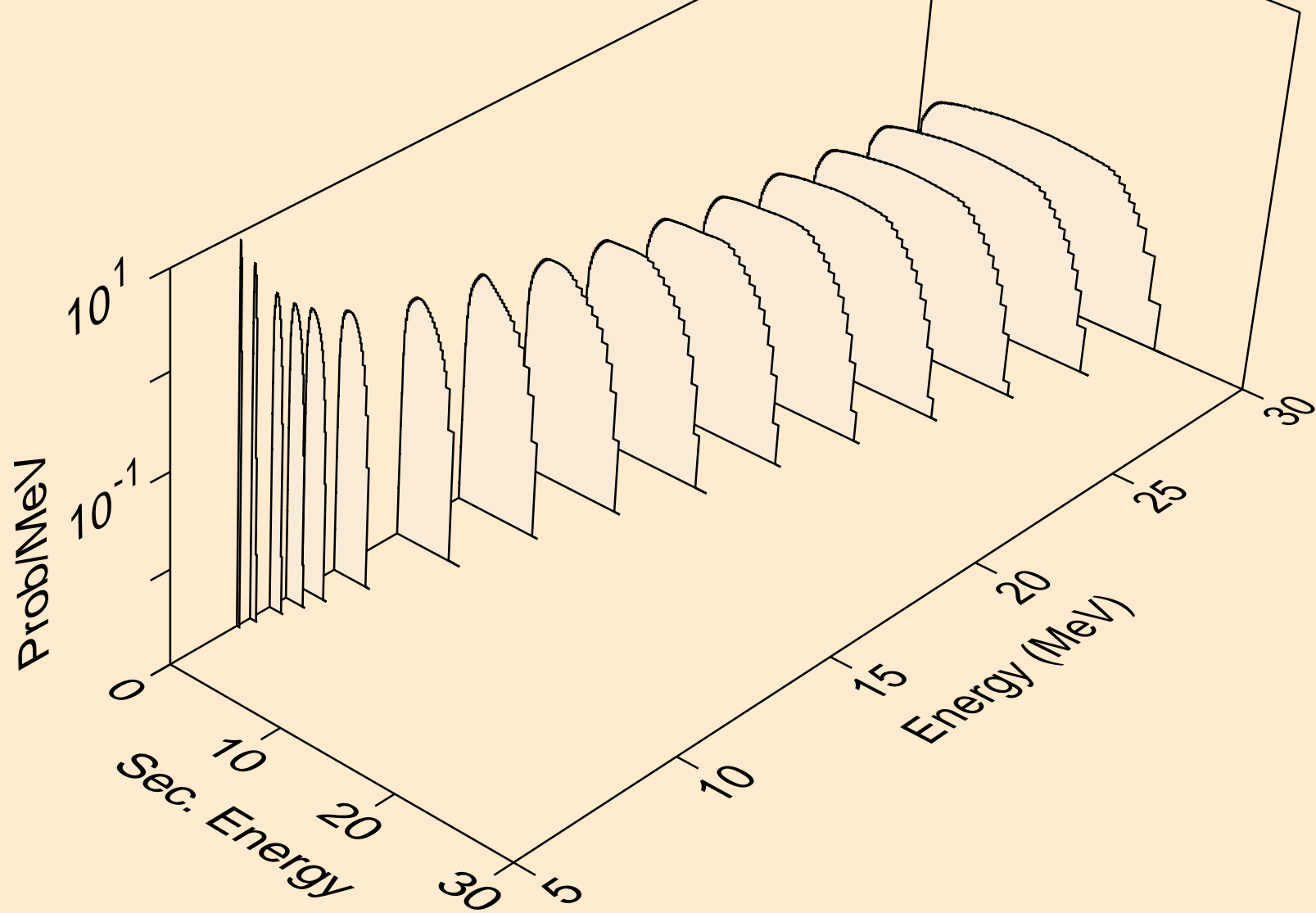




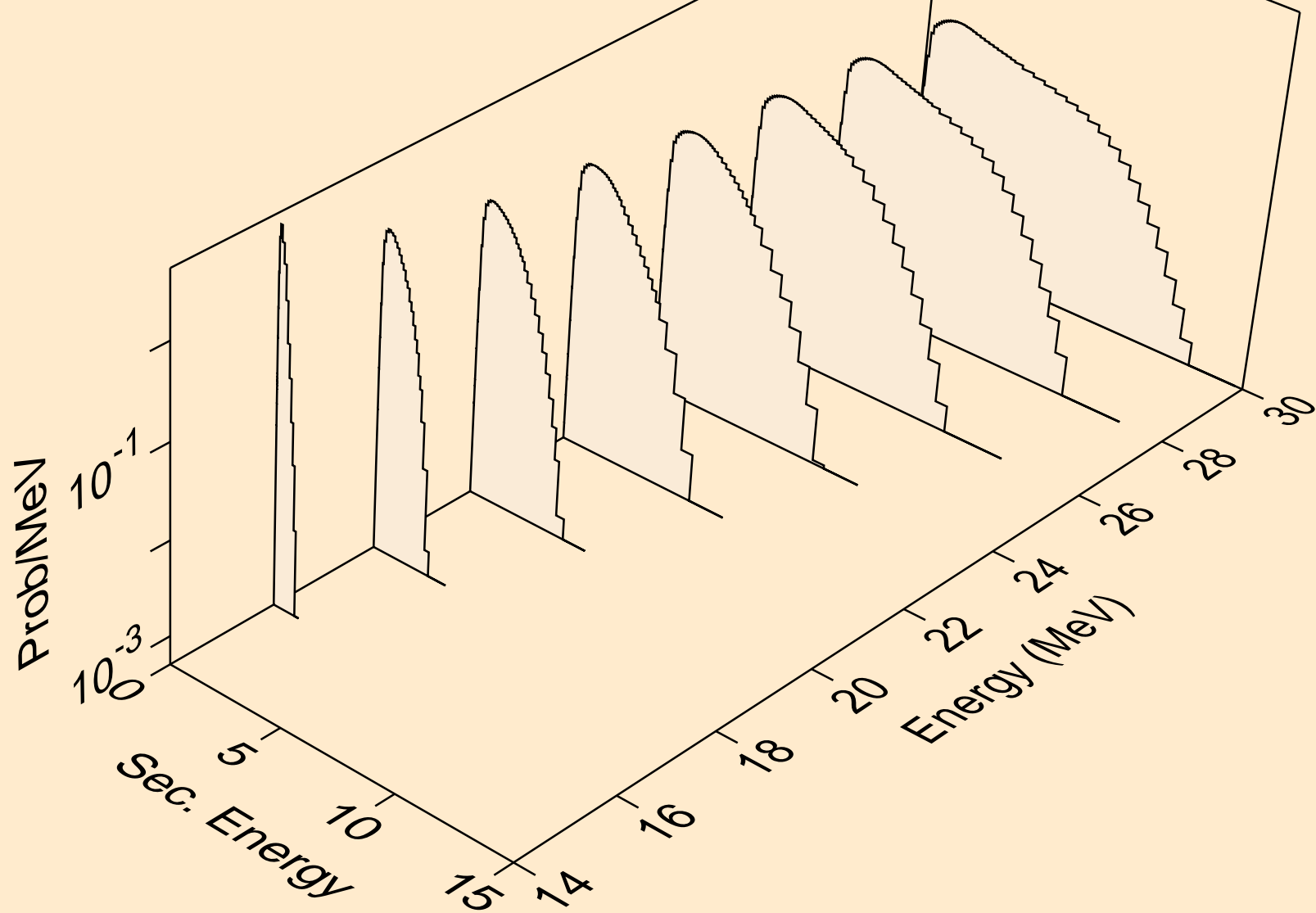
ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,x)



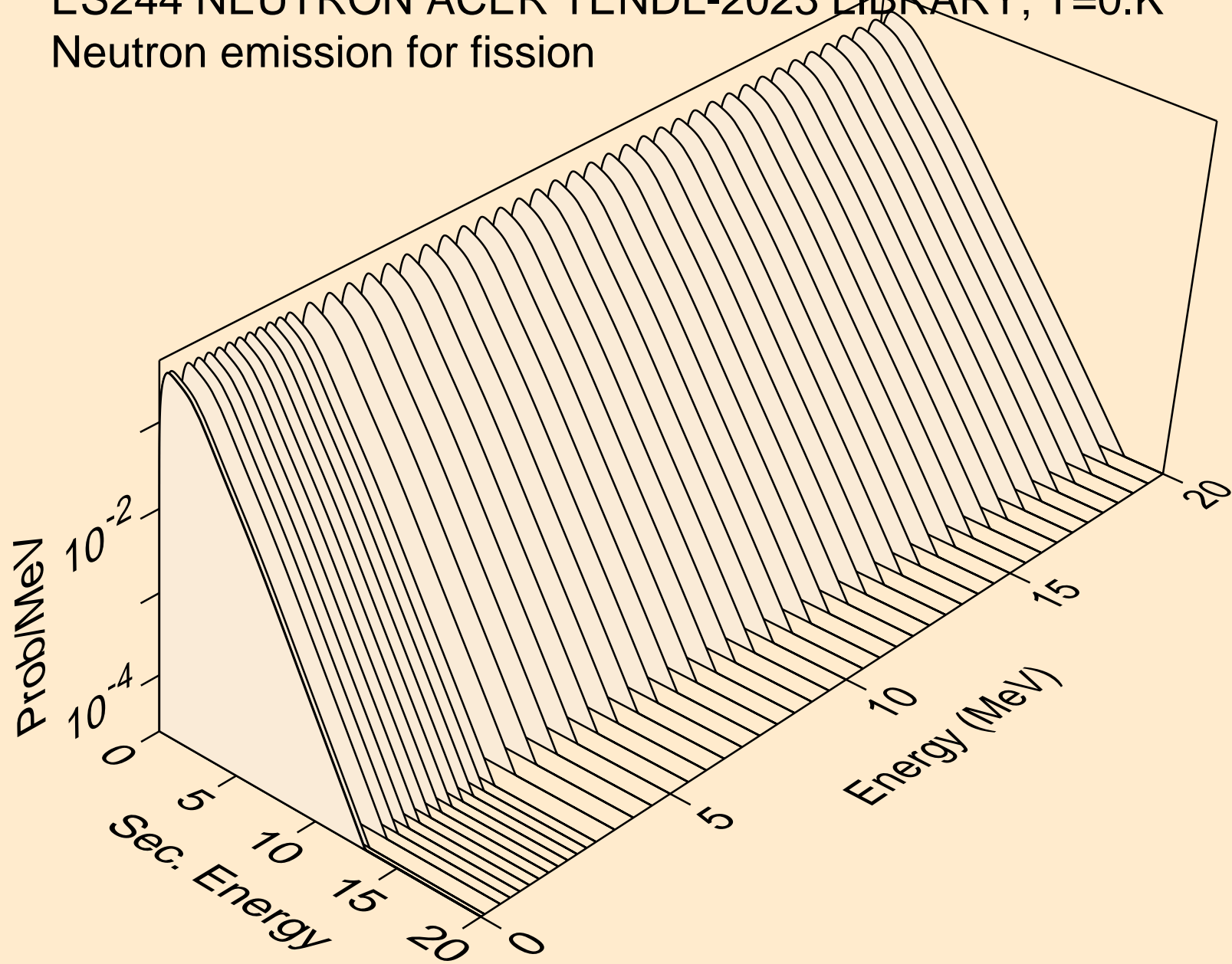
ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)



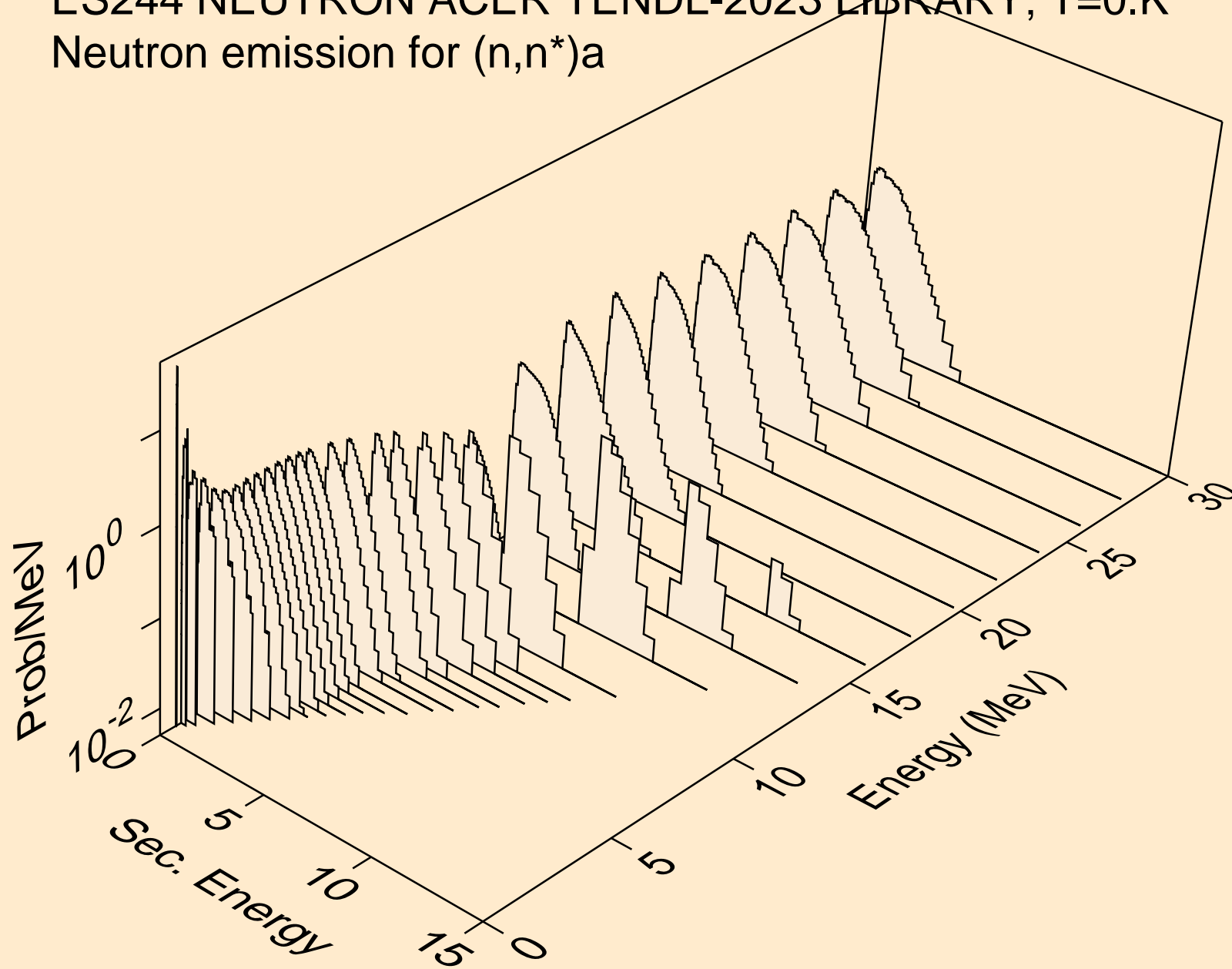
ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)



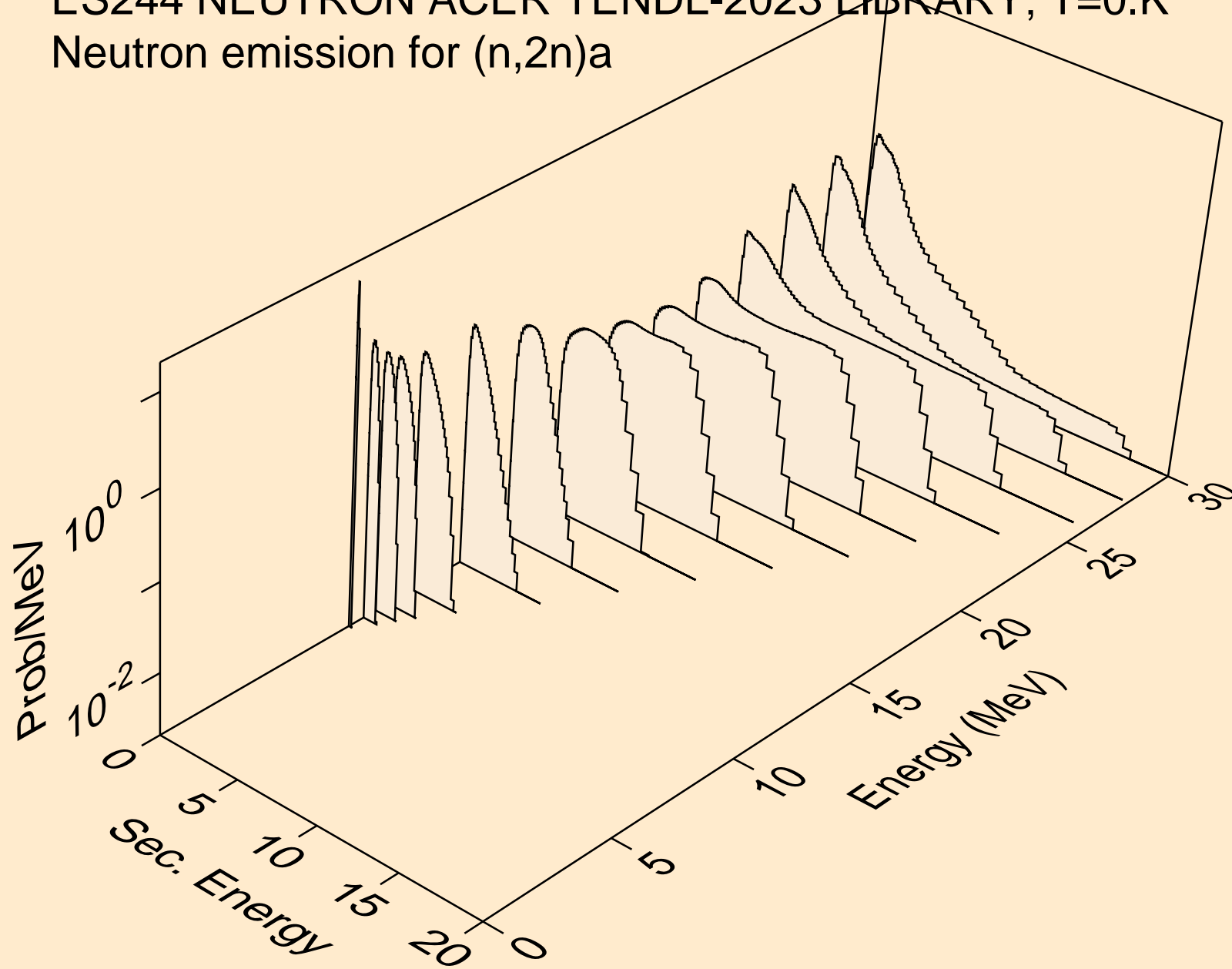
ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for fission



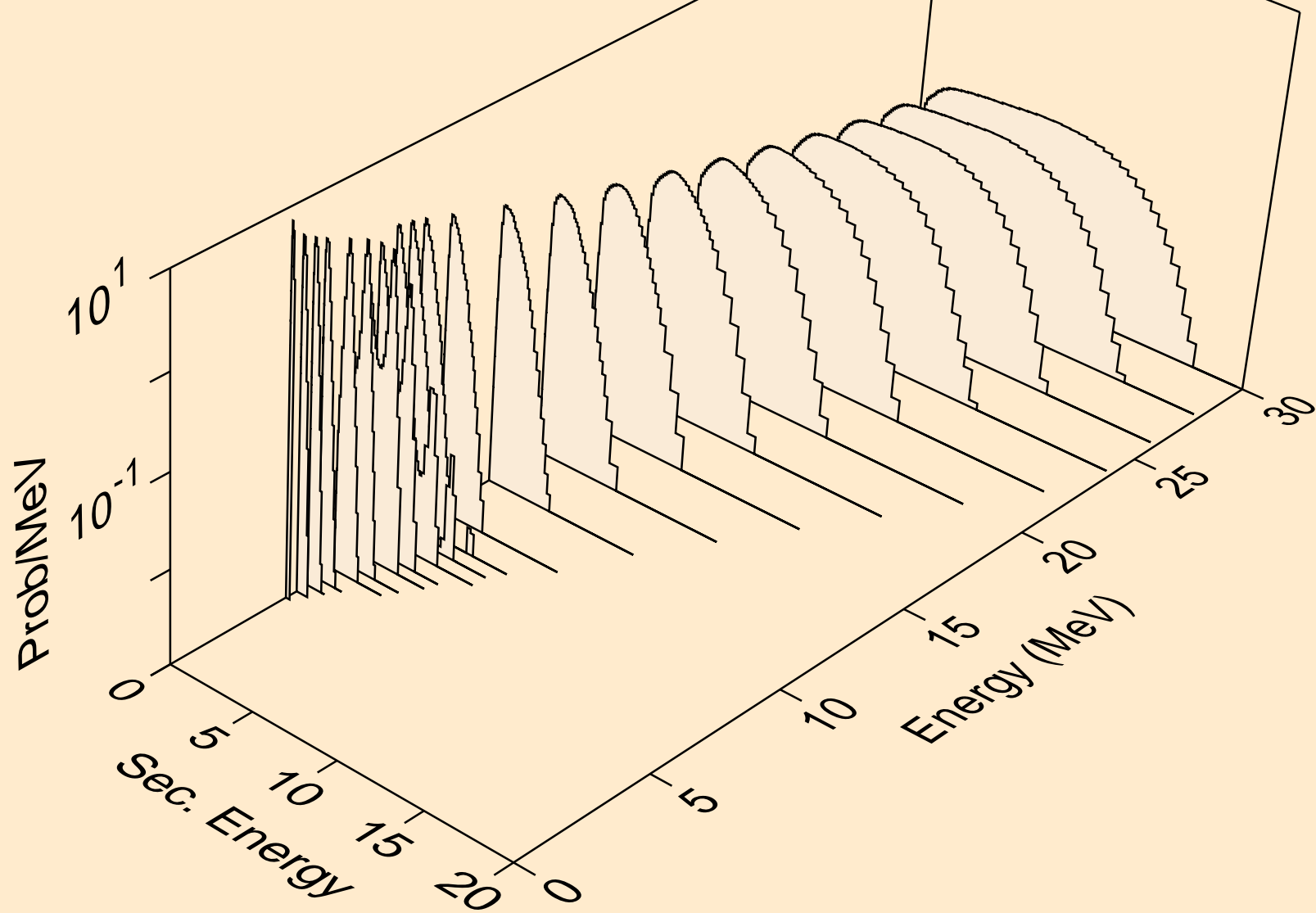
ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



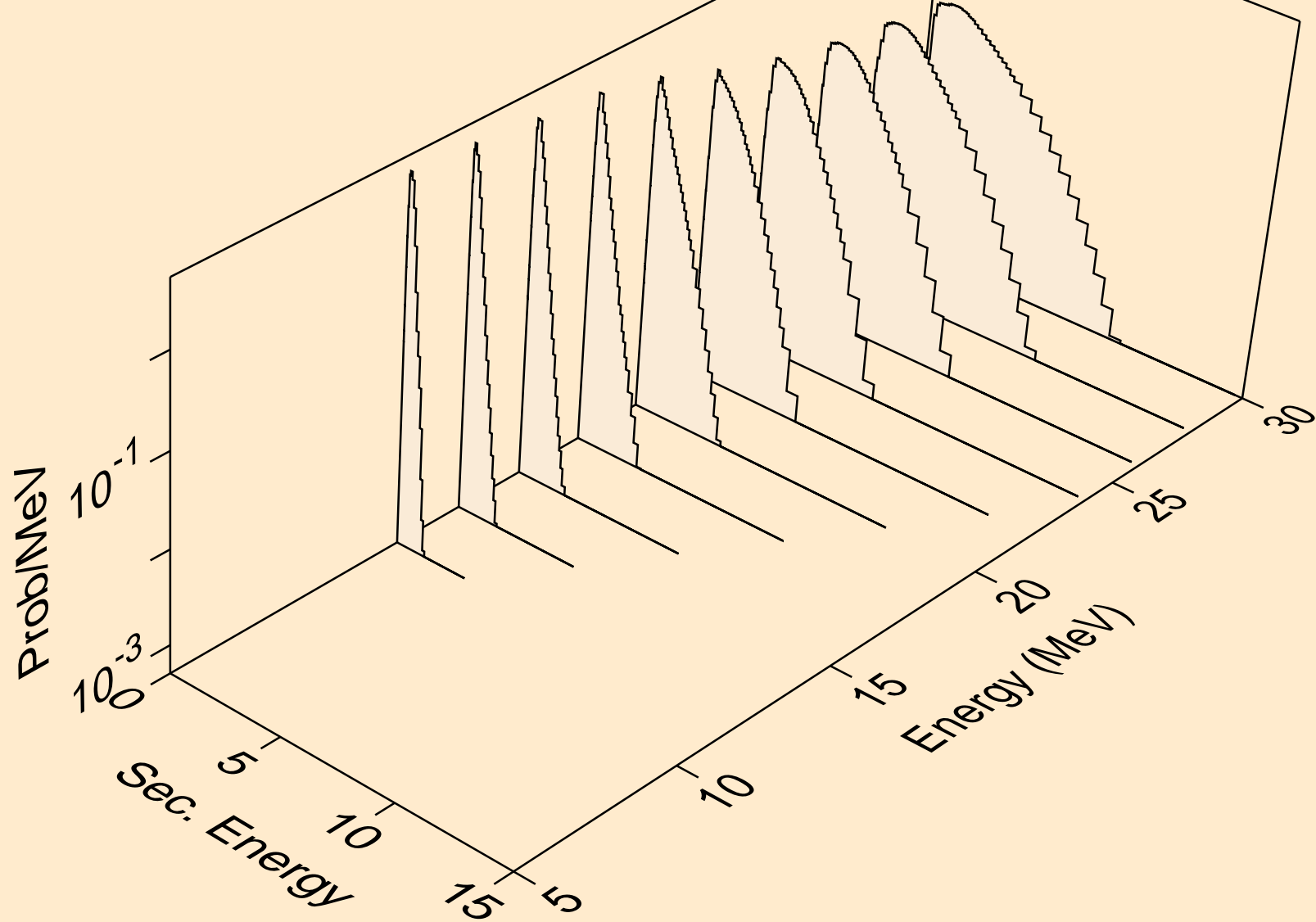
ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)a



ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p

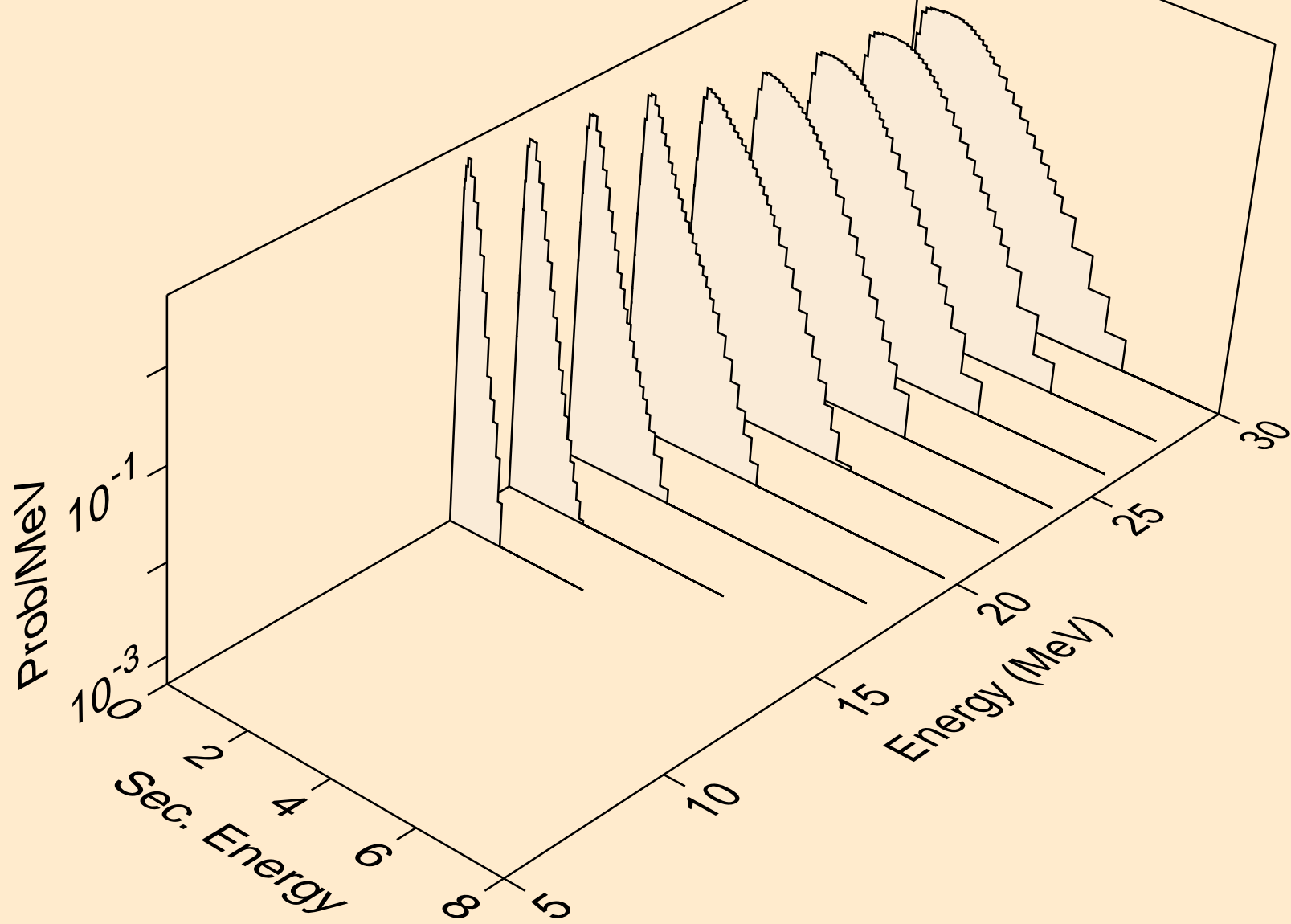


ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d

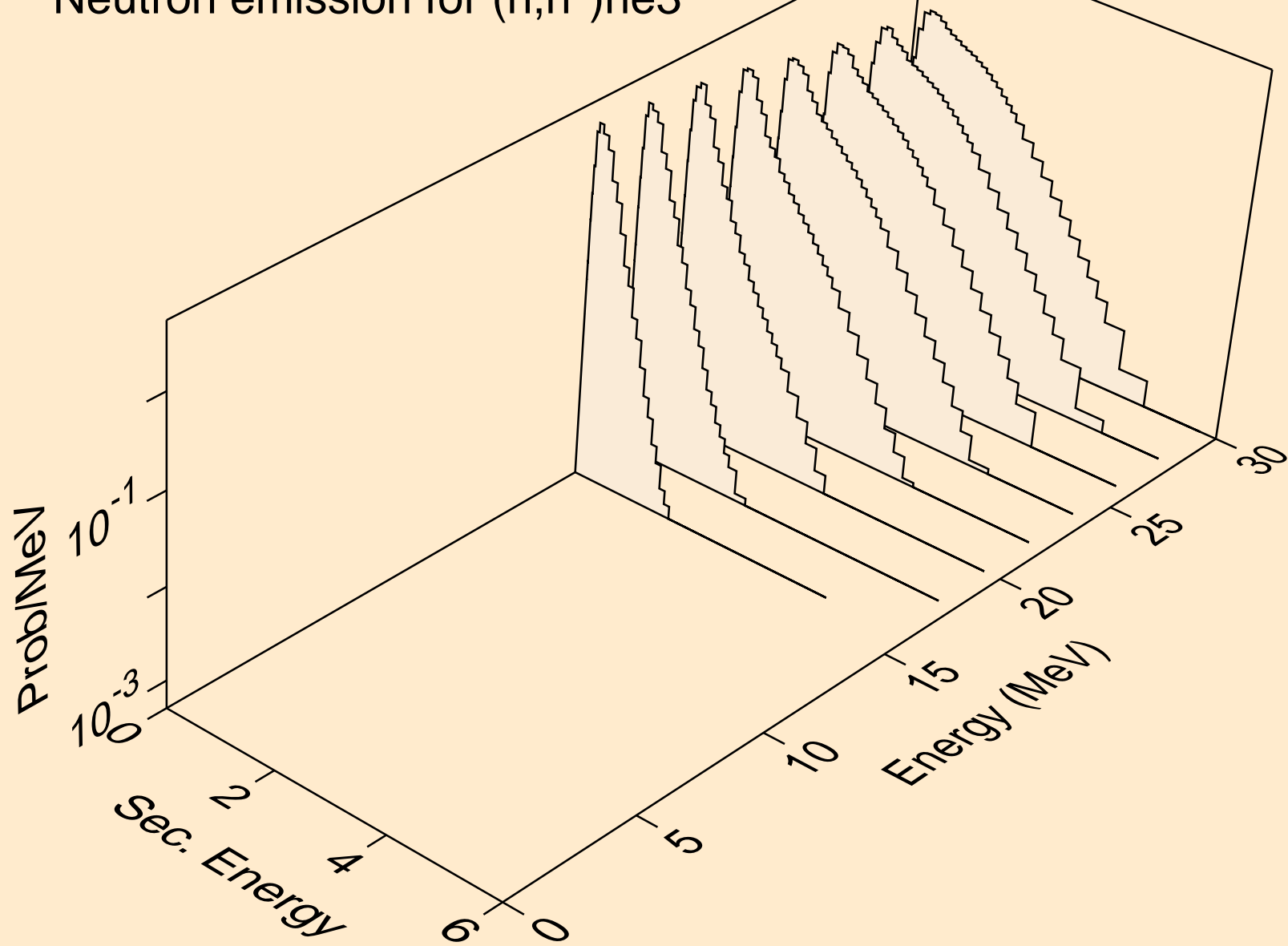




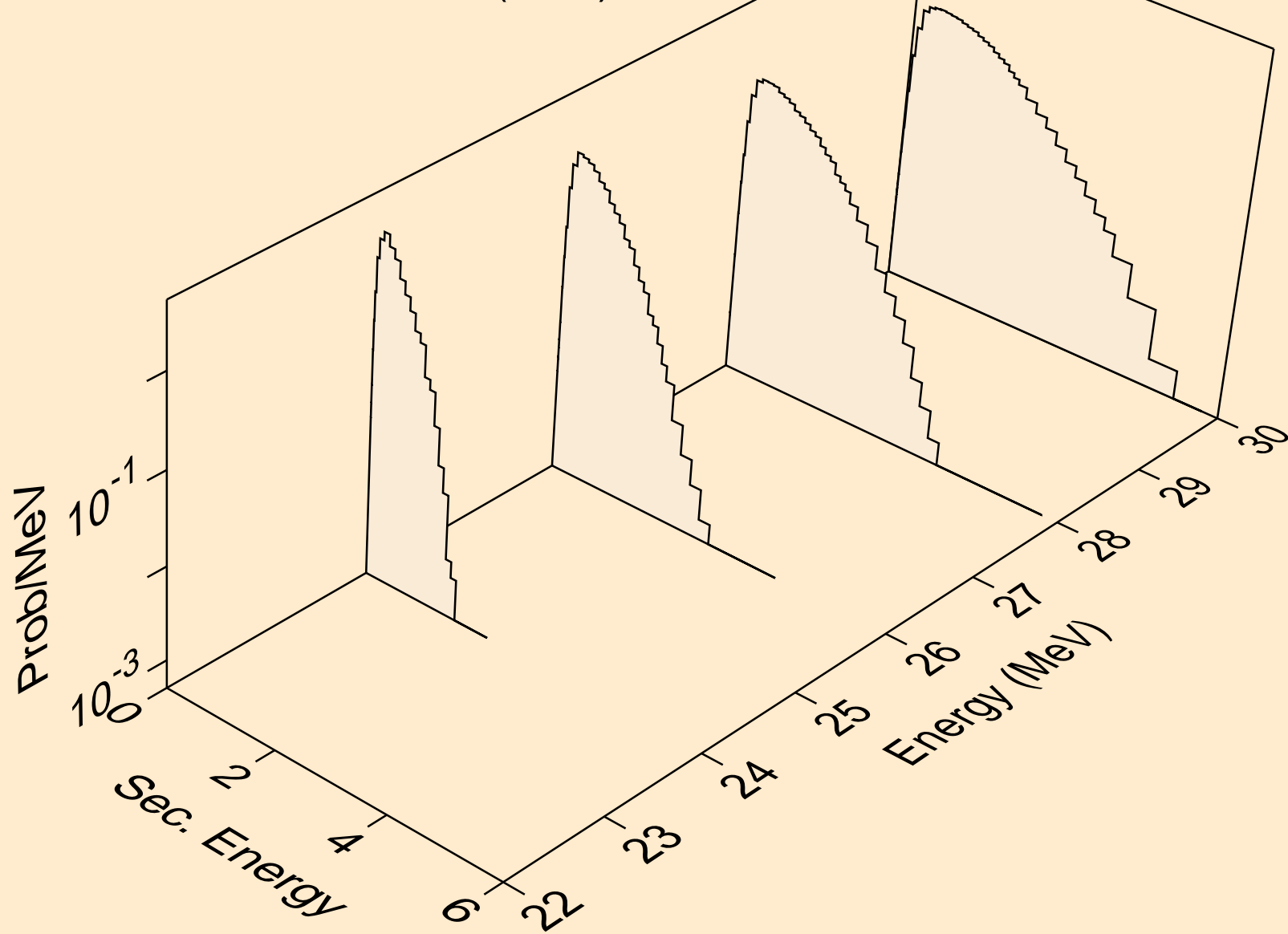
ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



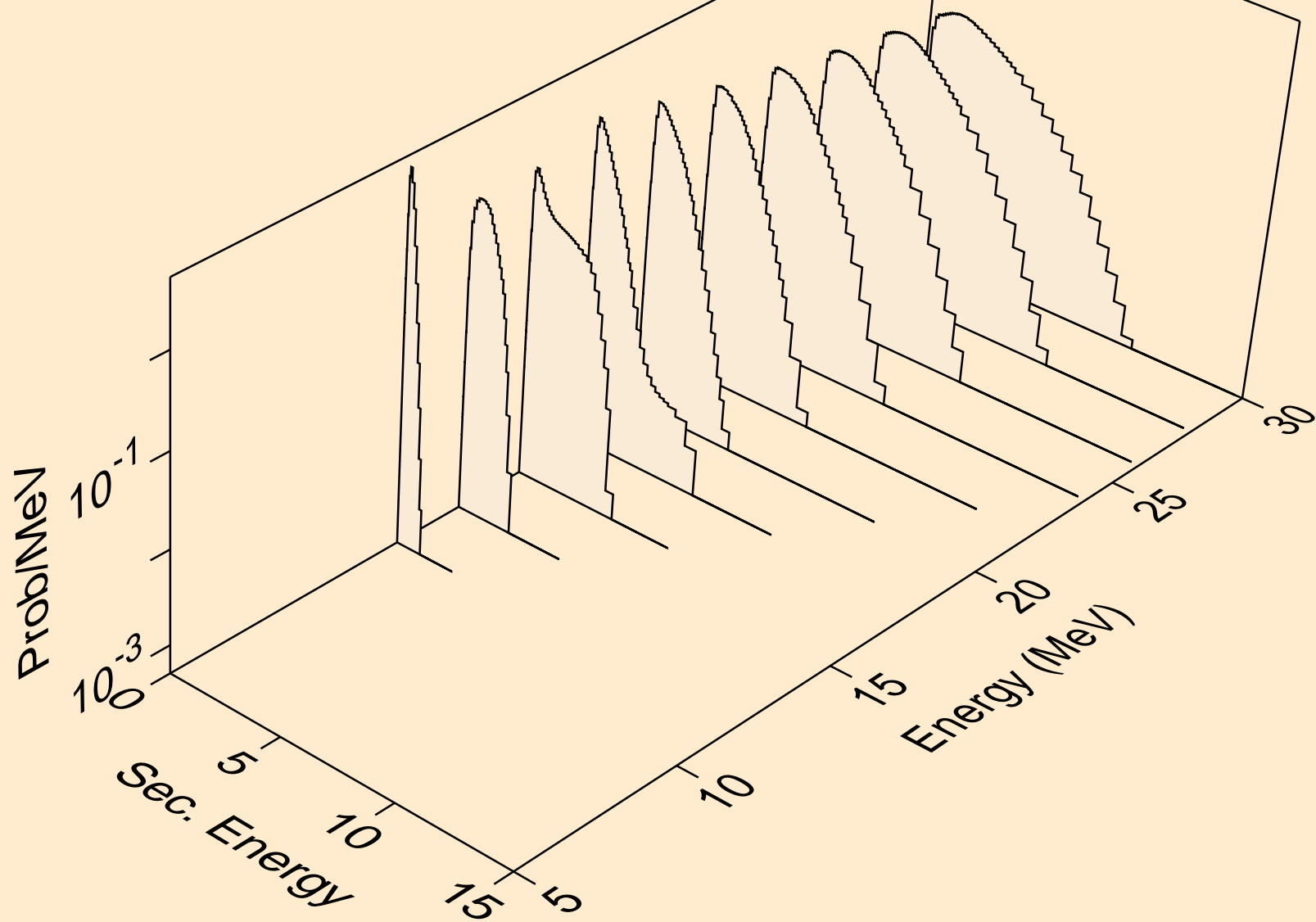
ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



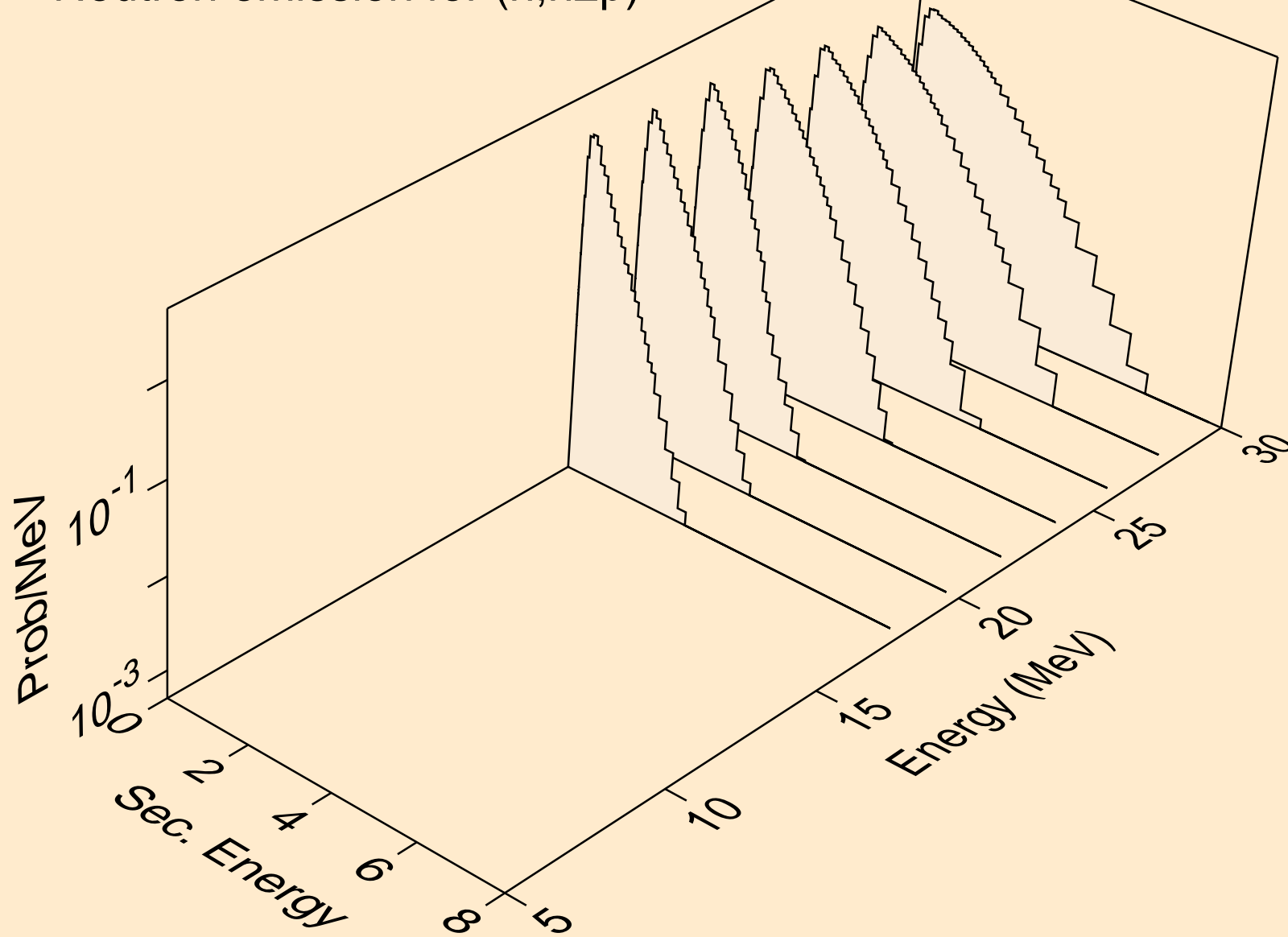
ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,4n)



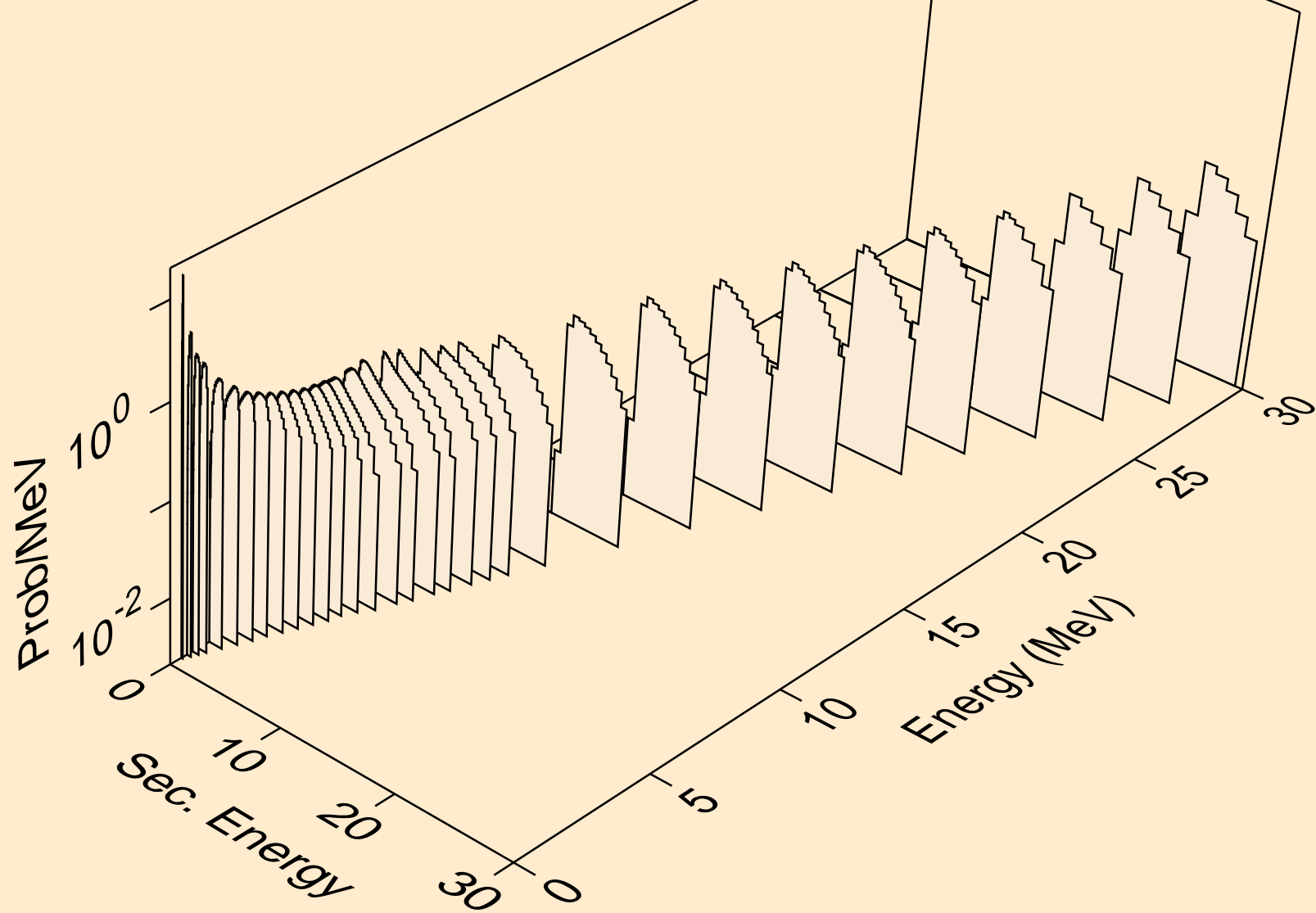
ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2np)



ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n2p)

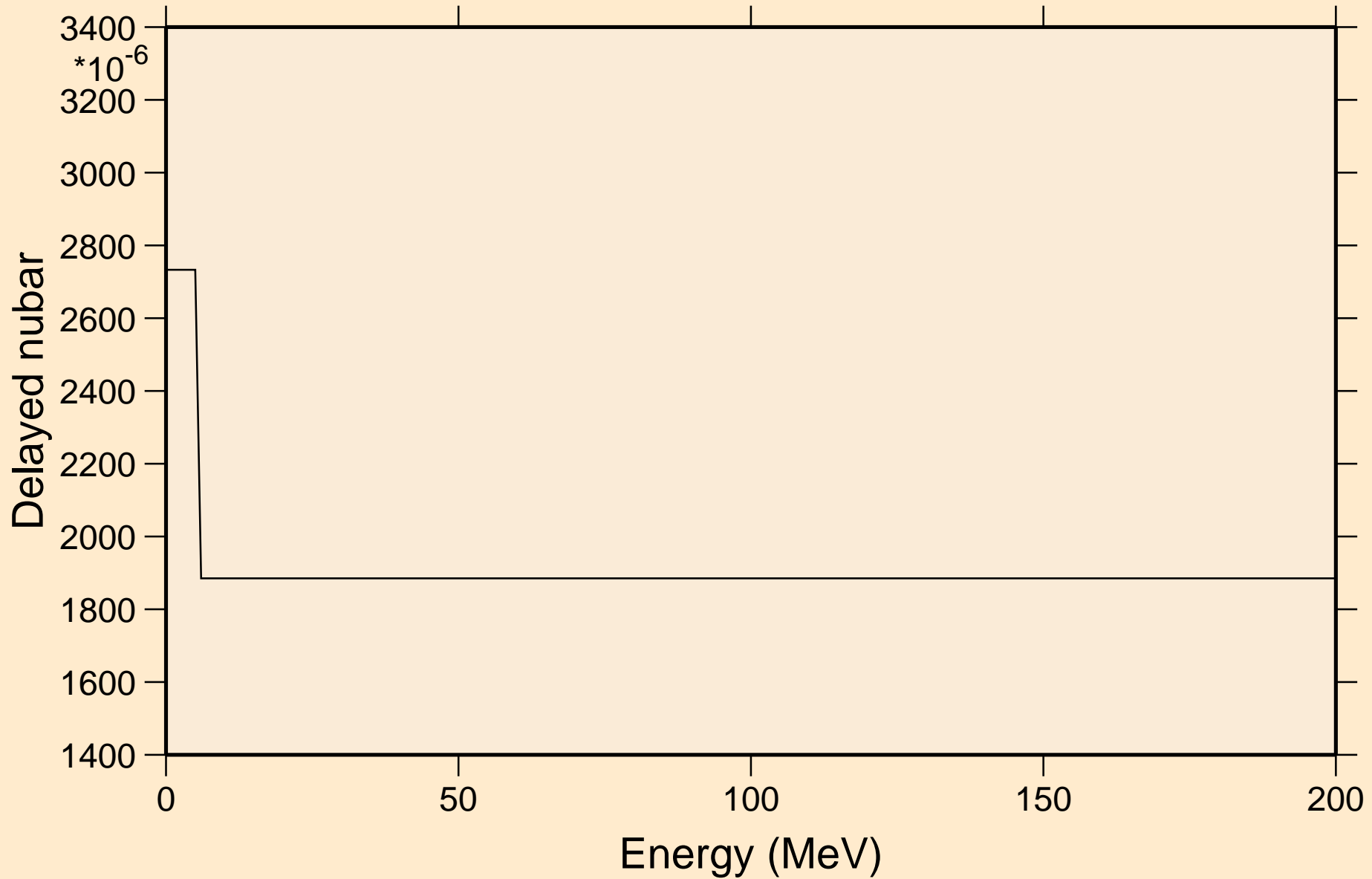


ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)



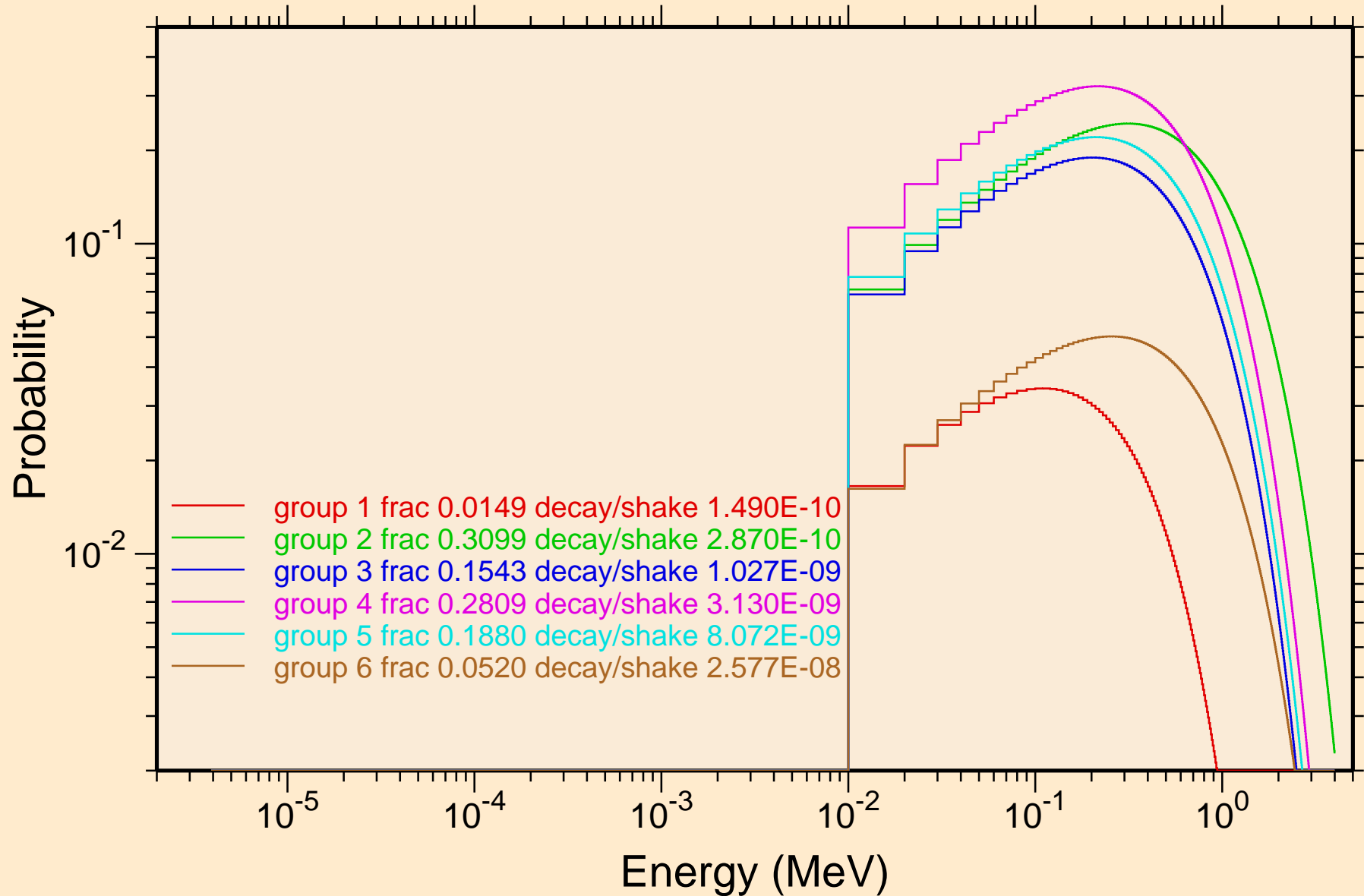
# ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Delayed nubar



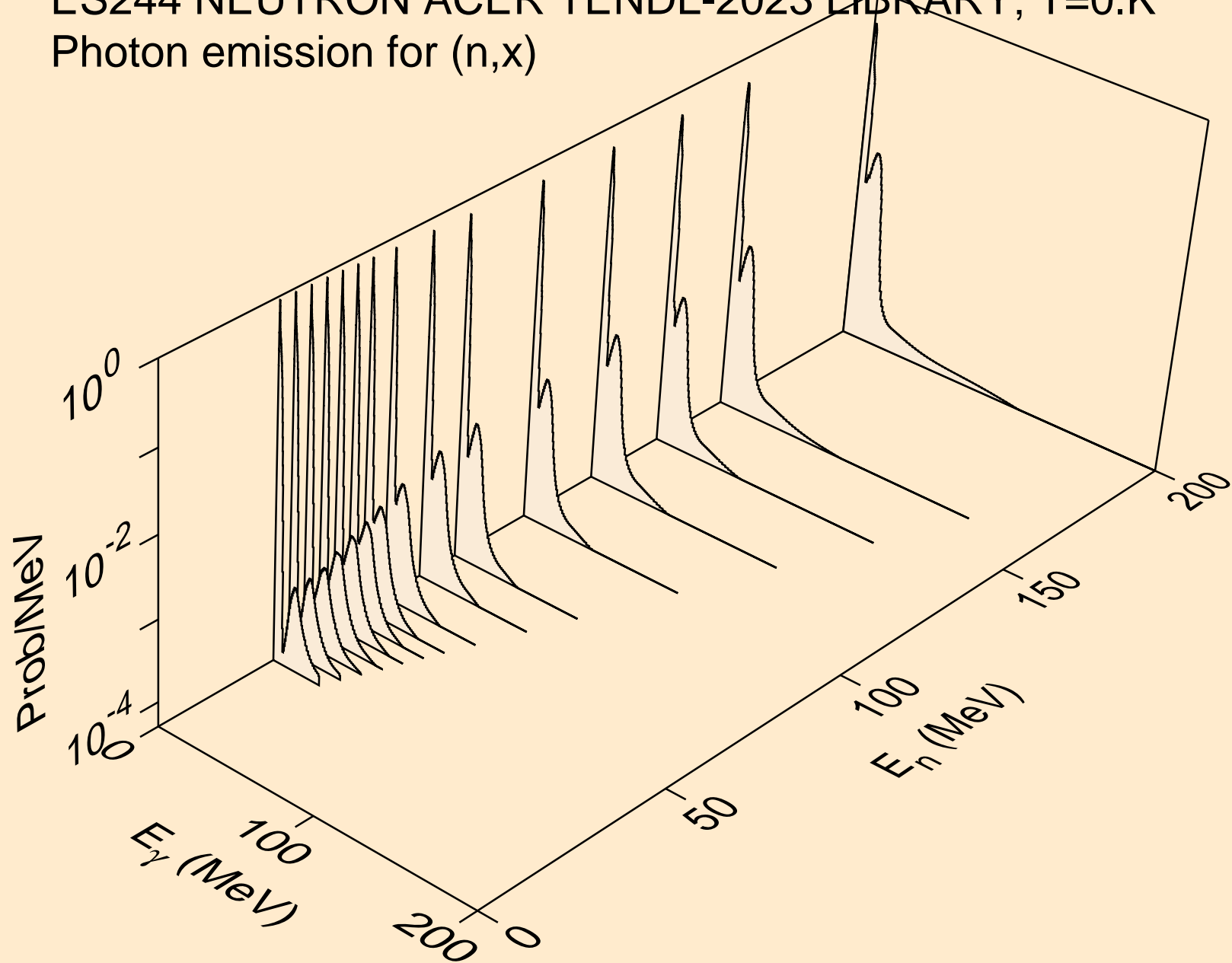
# ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Delayed neutron spectra

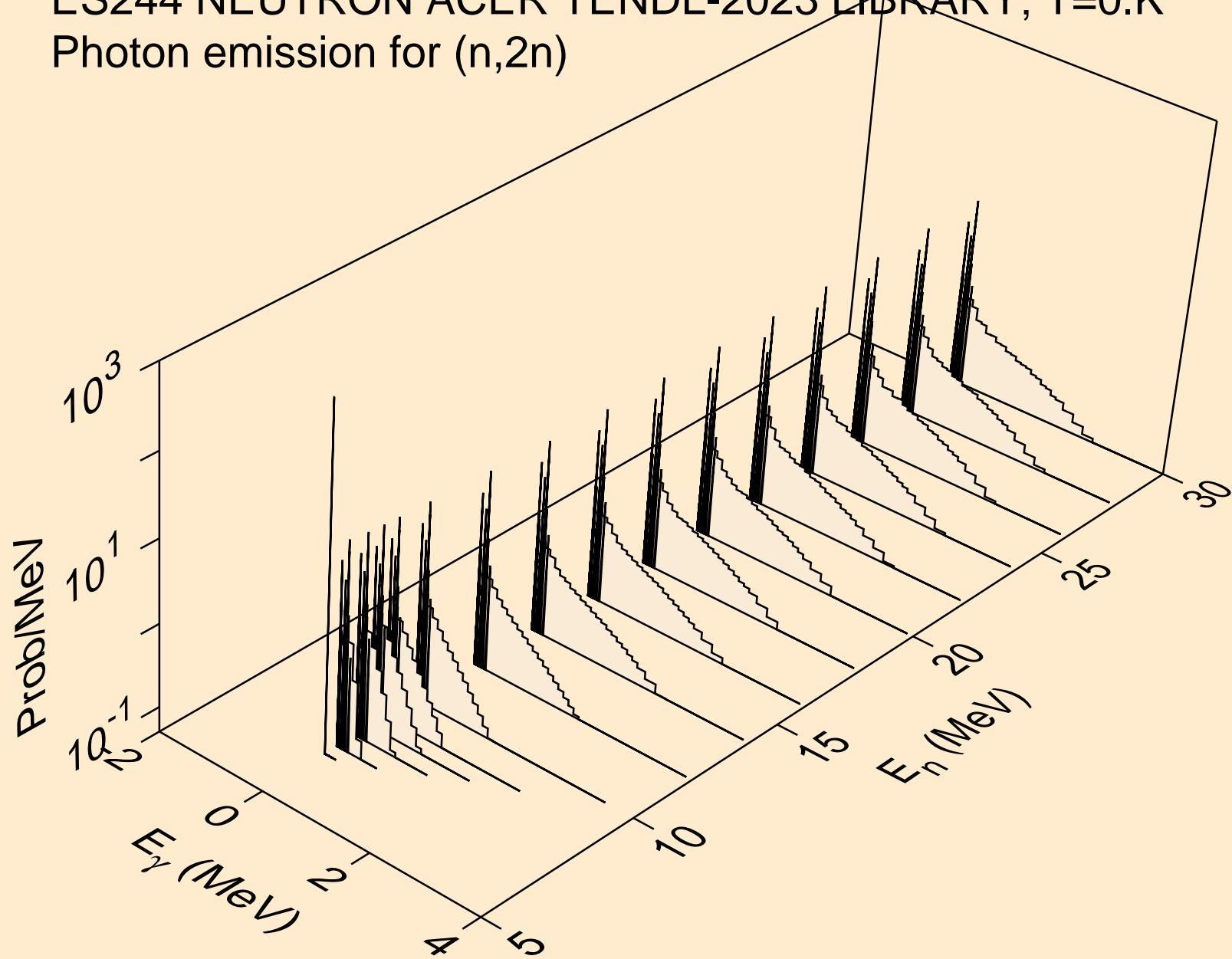




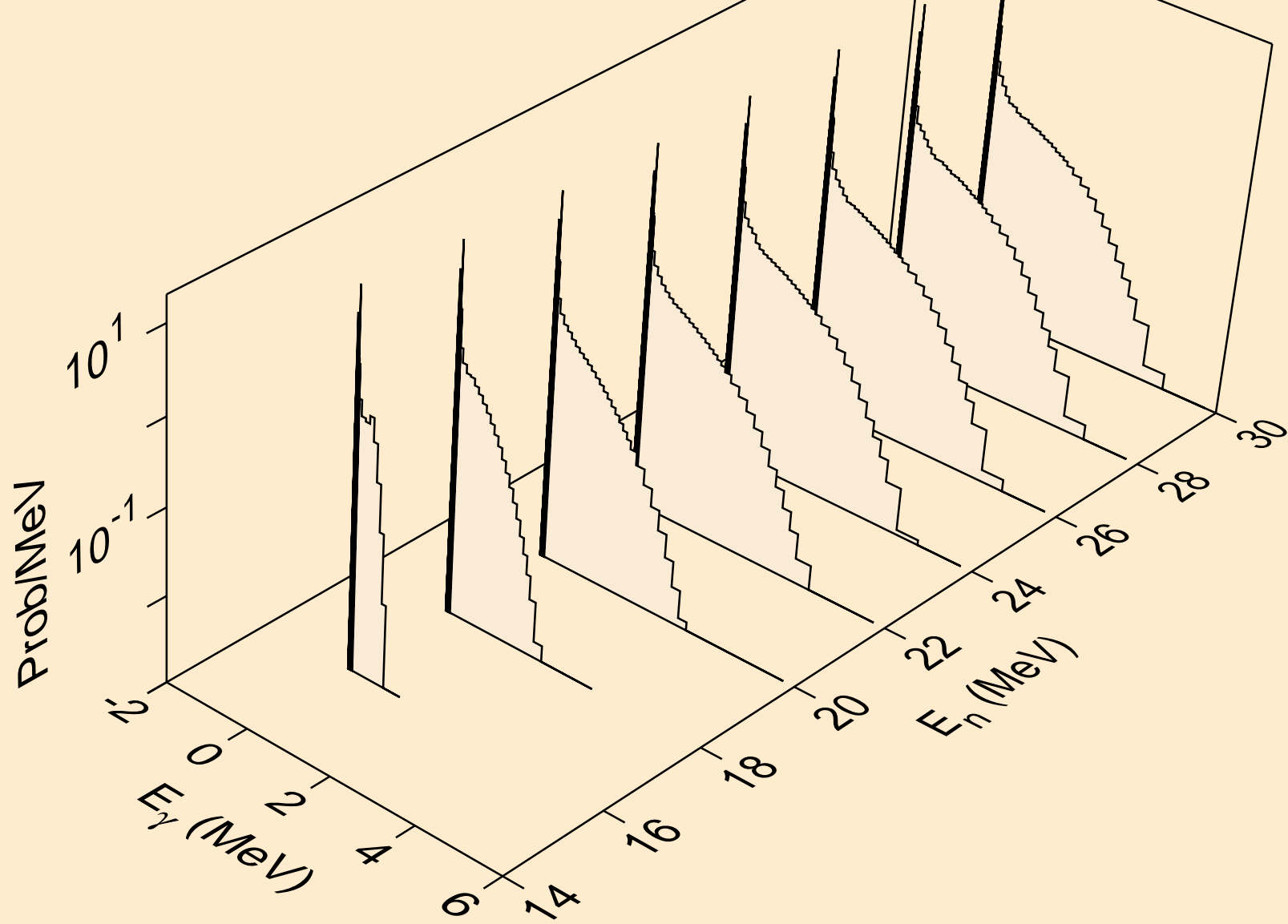
ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,x)



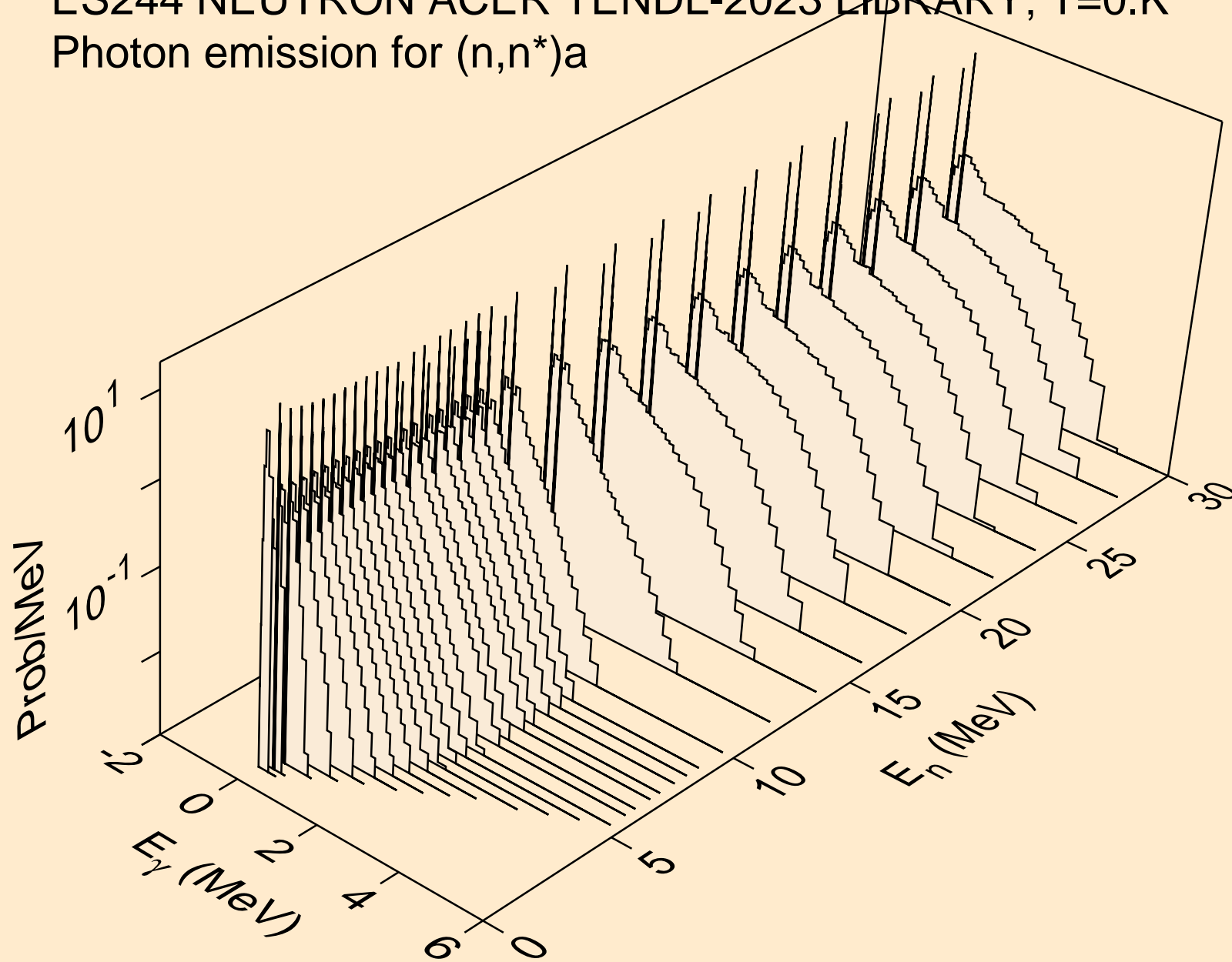
ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



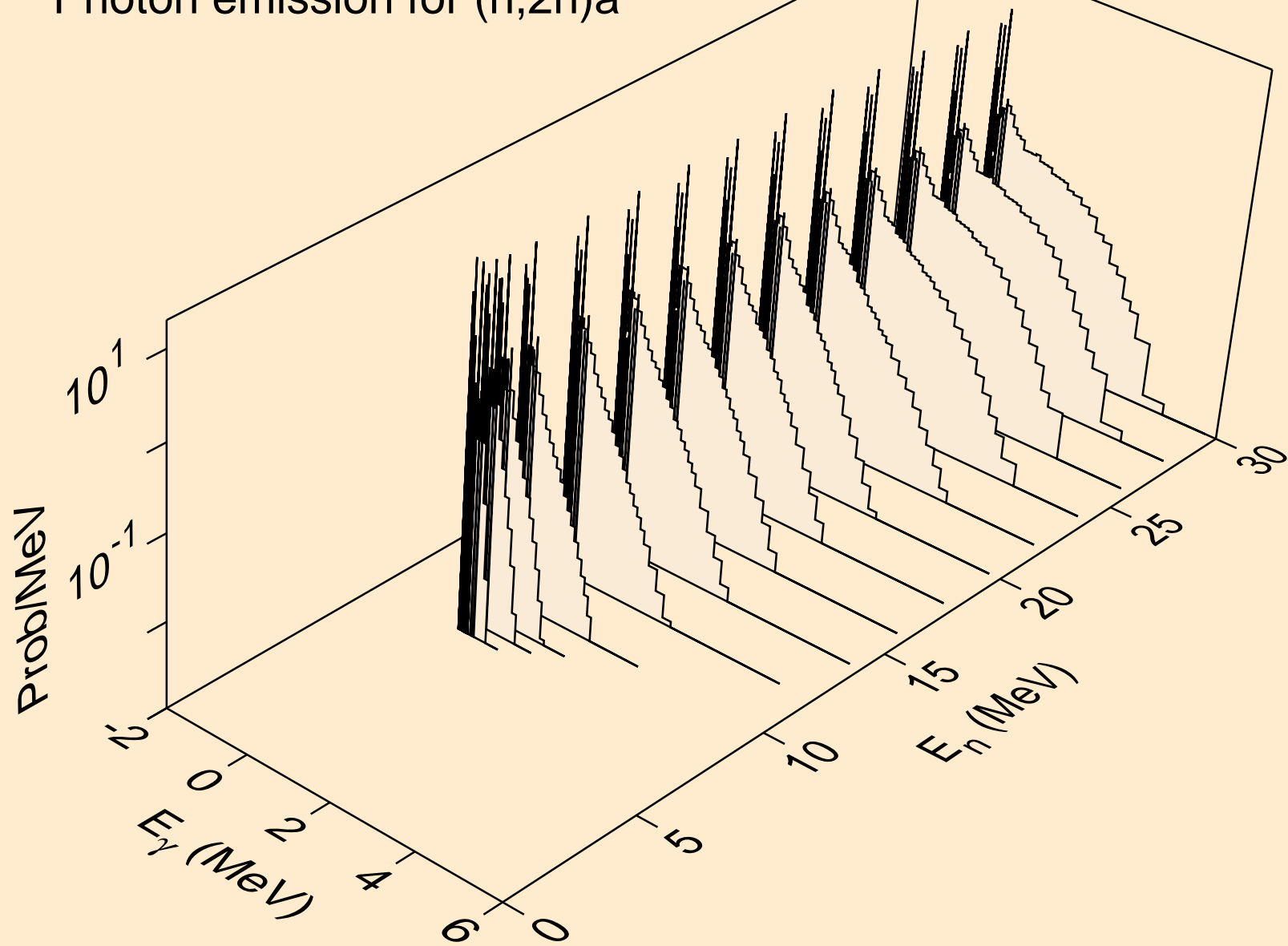
ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



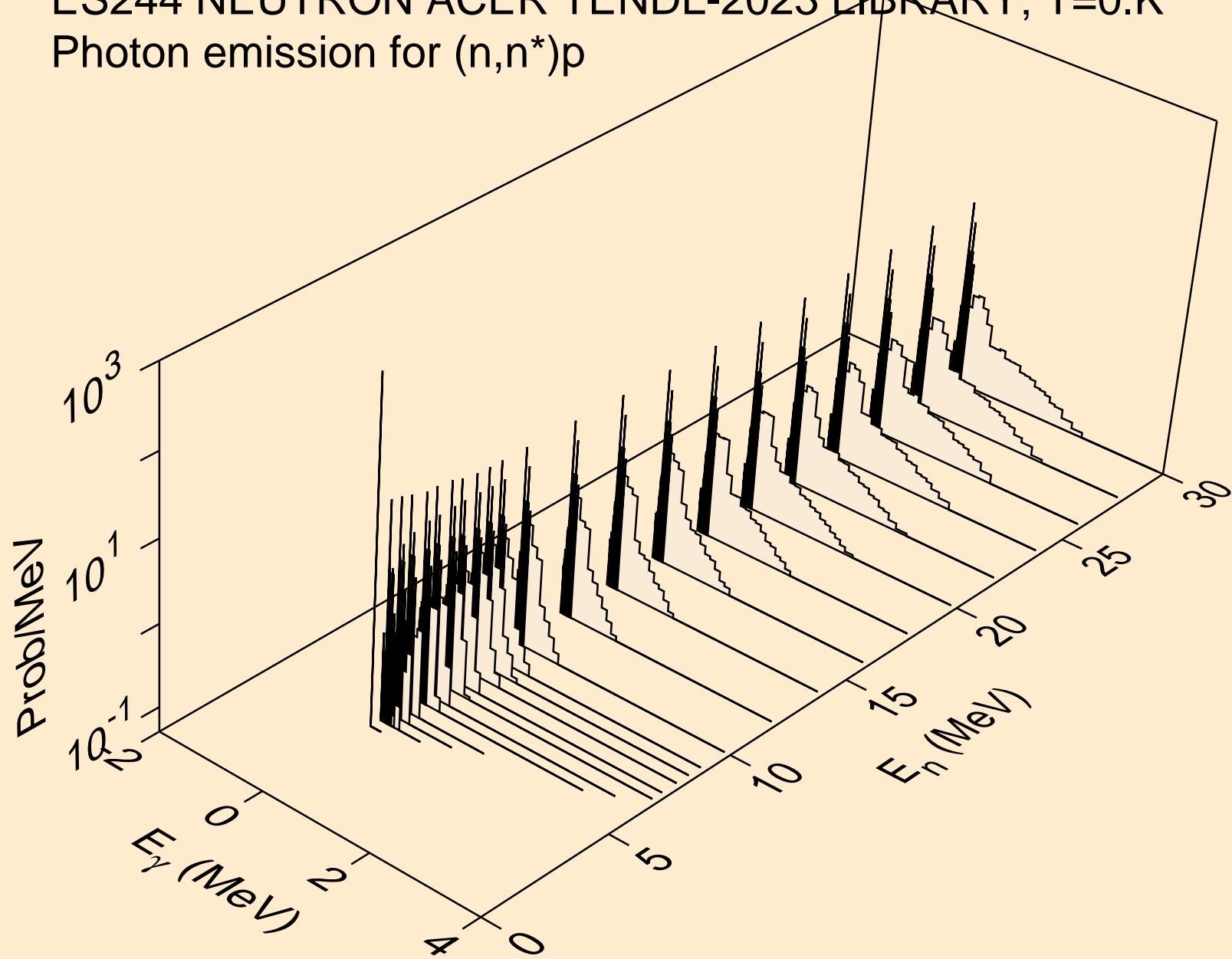
ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



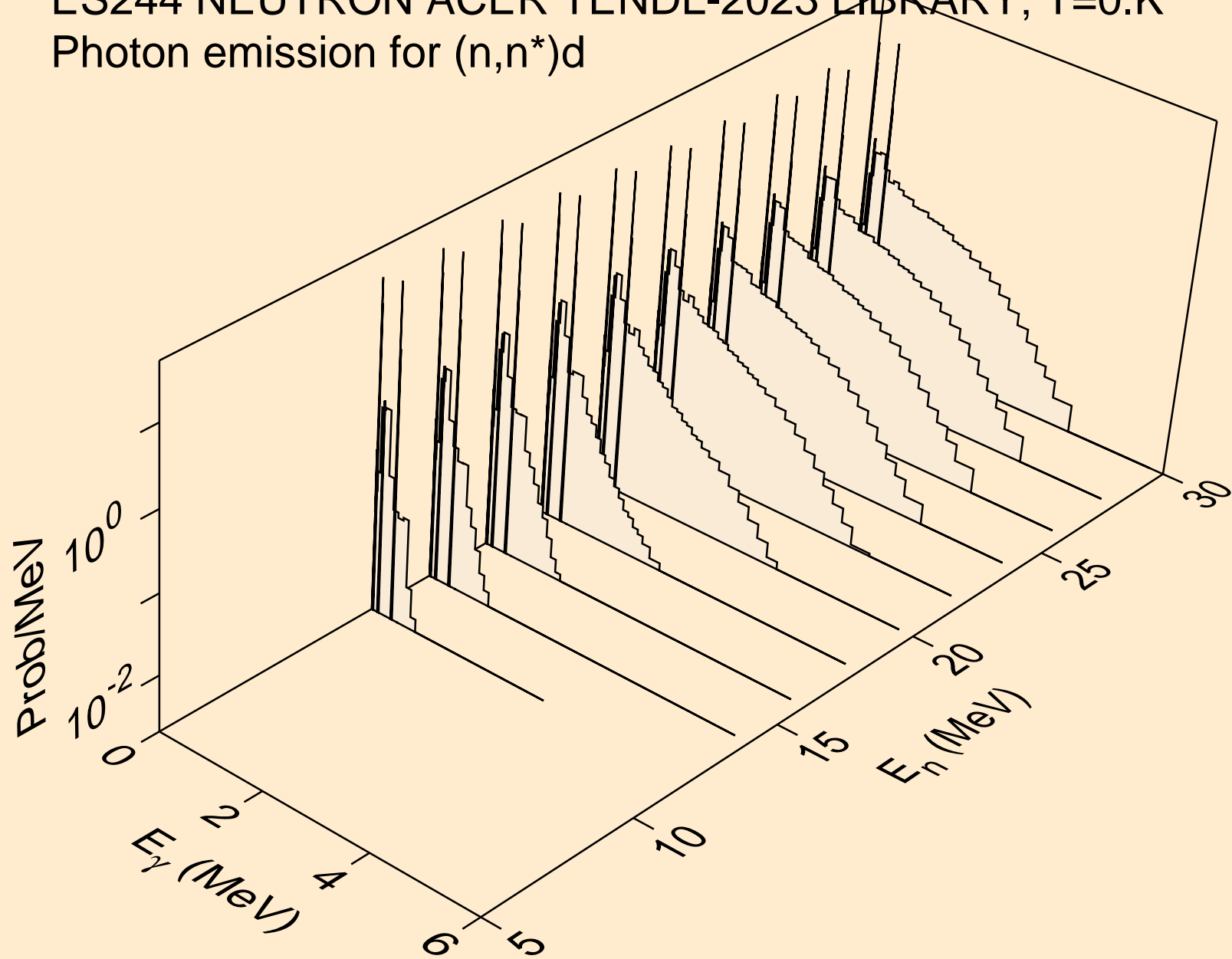
ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a



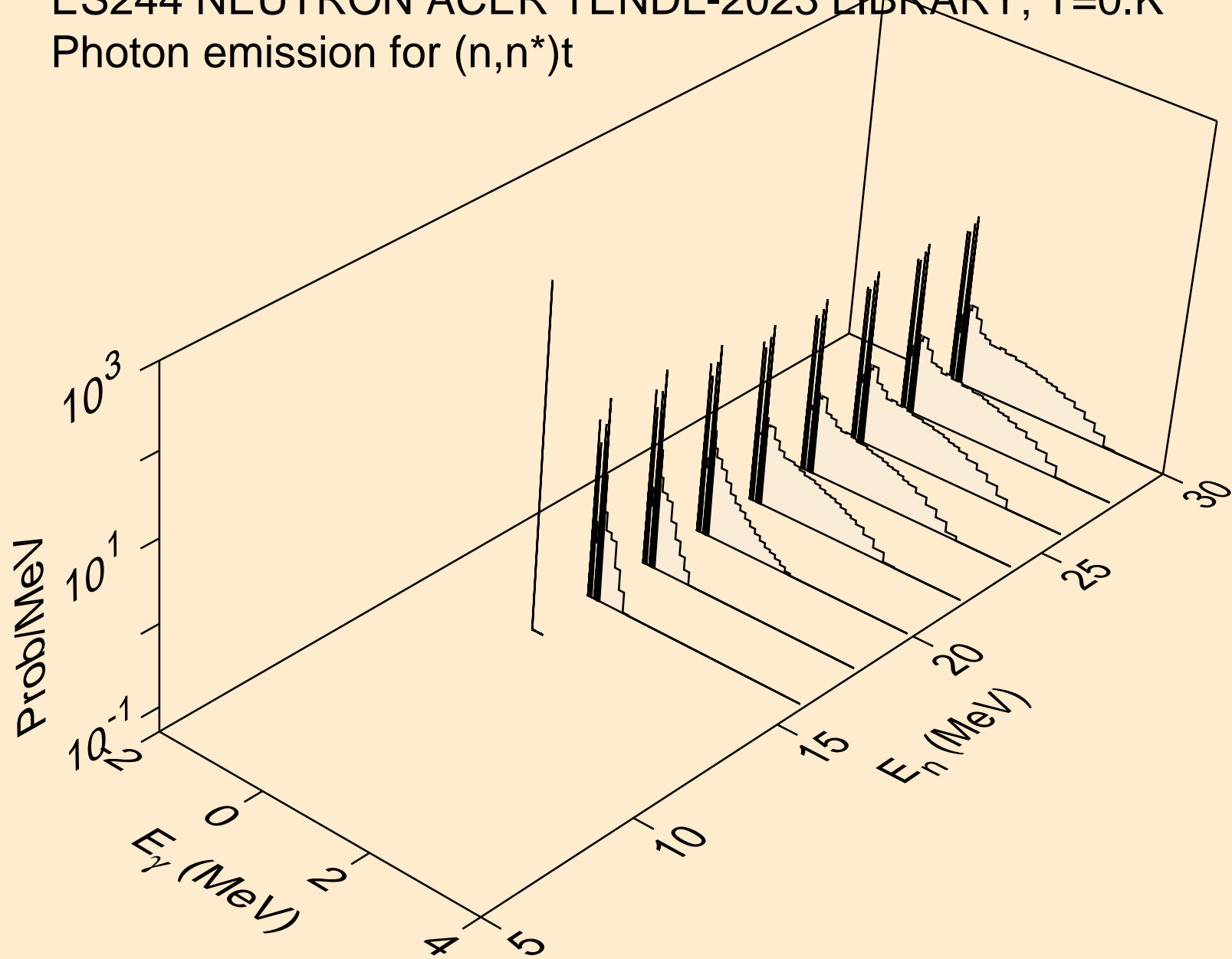
ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d

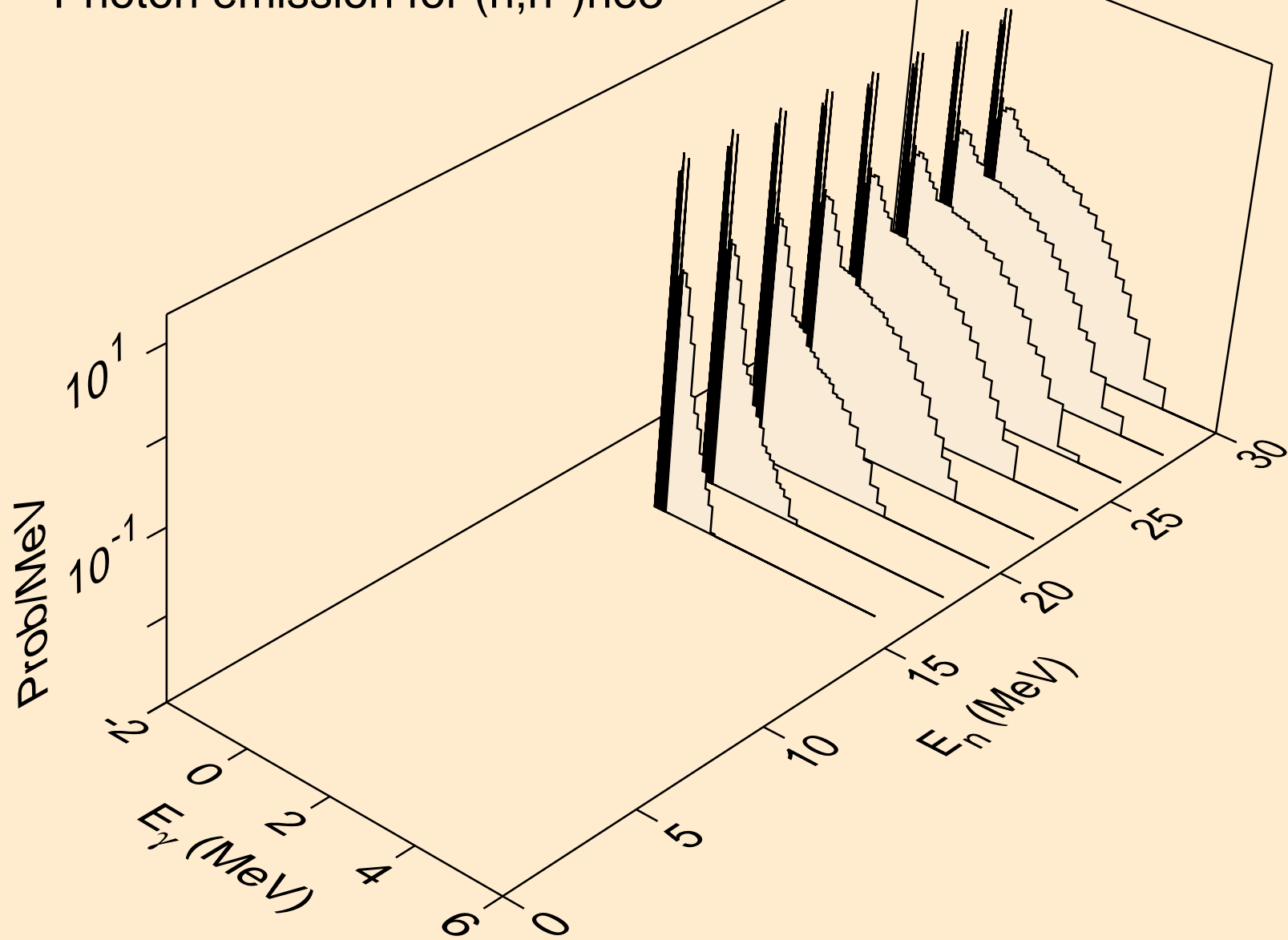


ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t

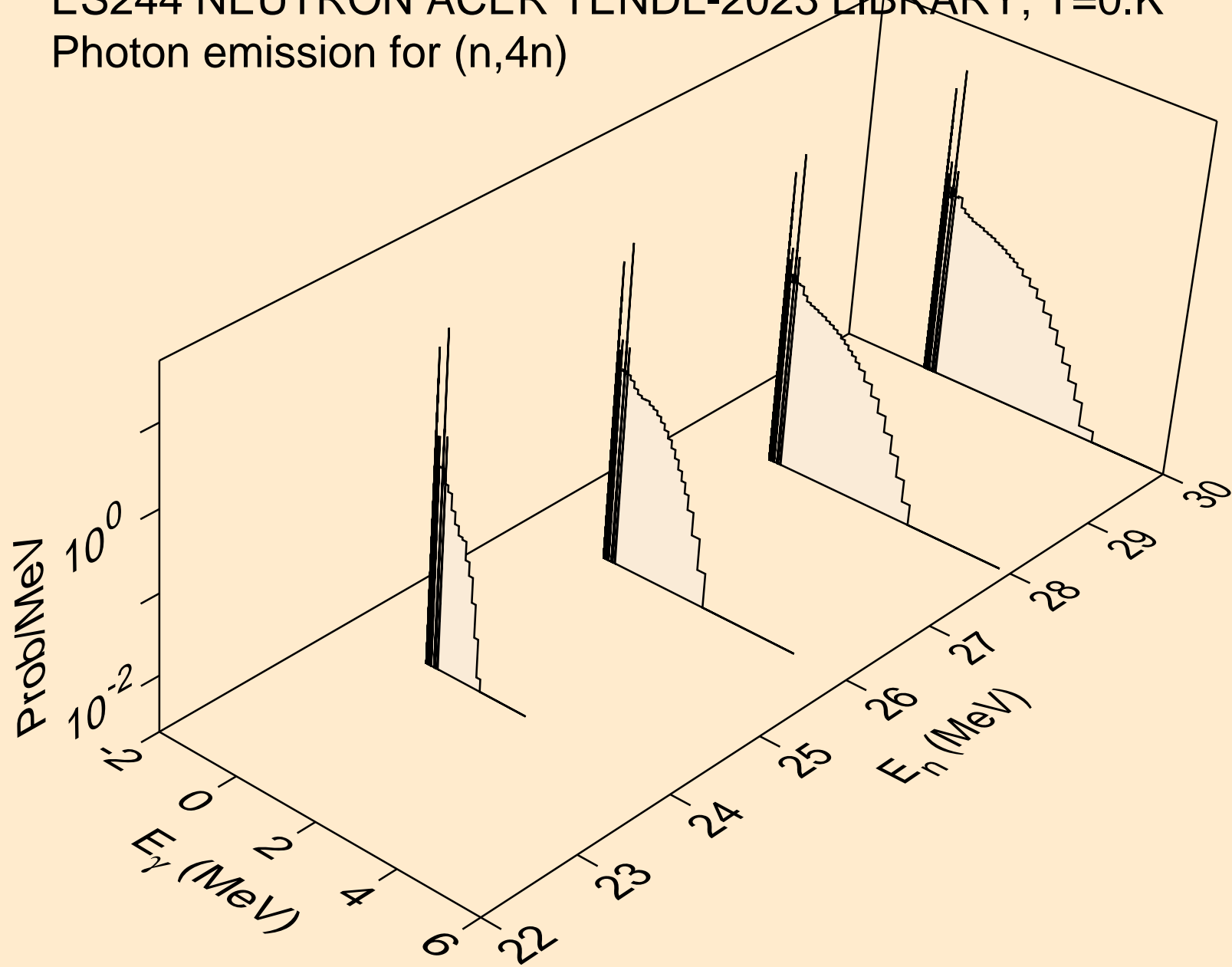




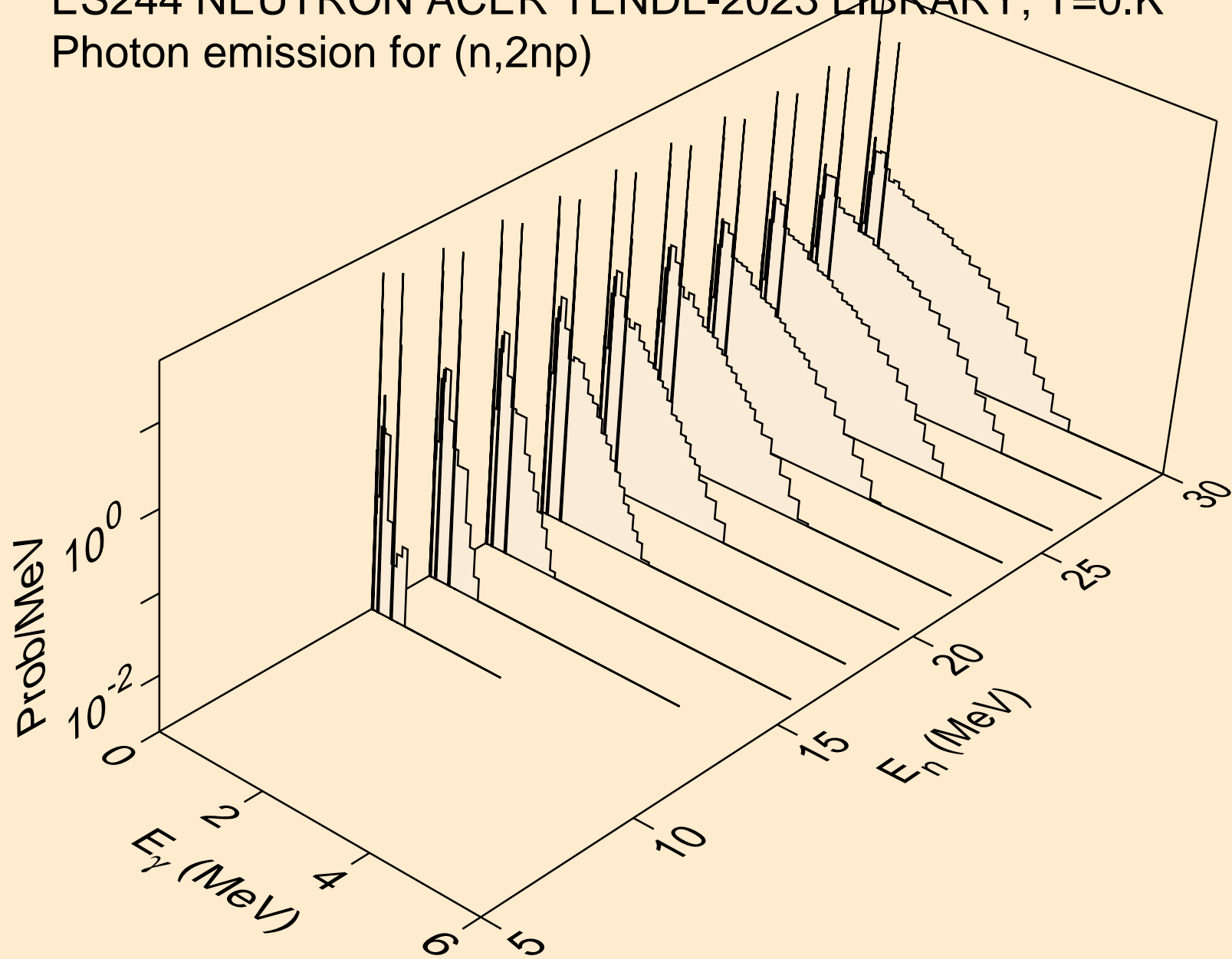
ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



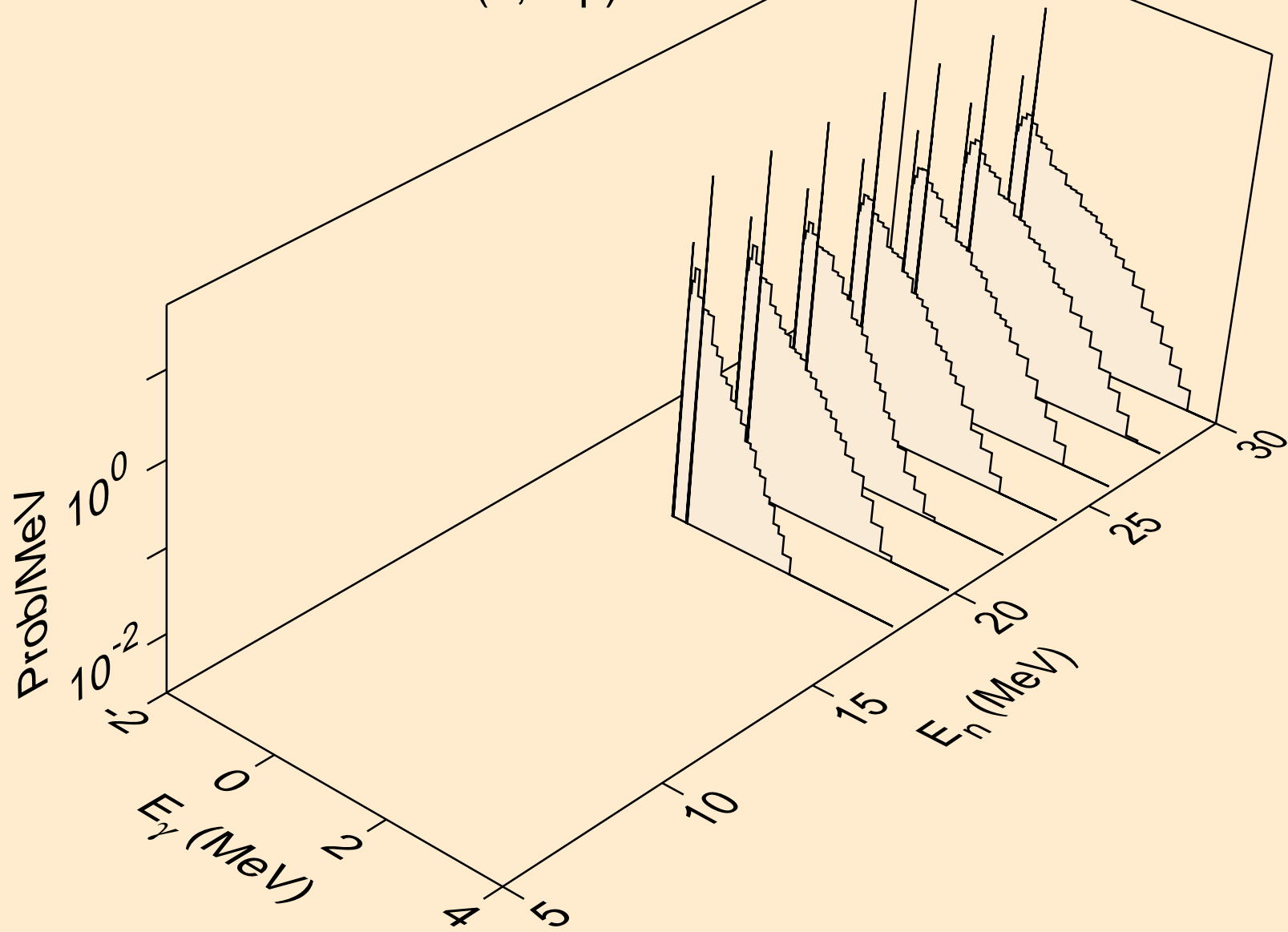
ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,4n)



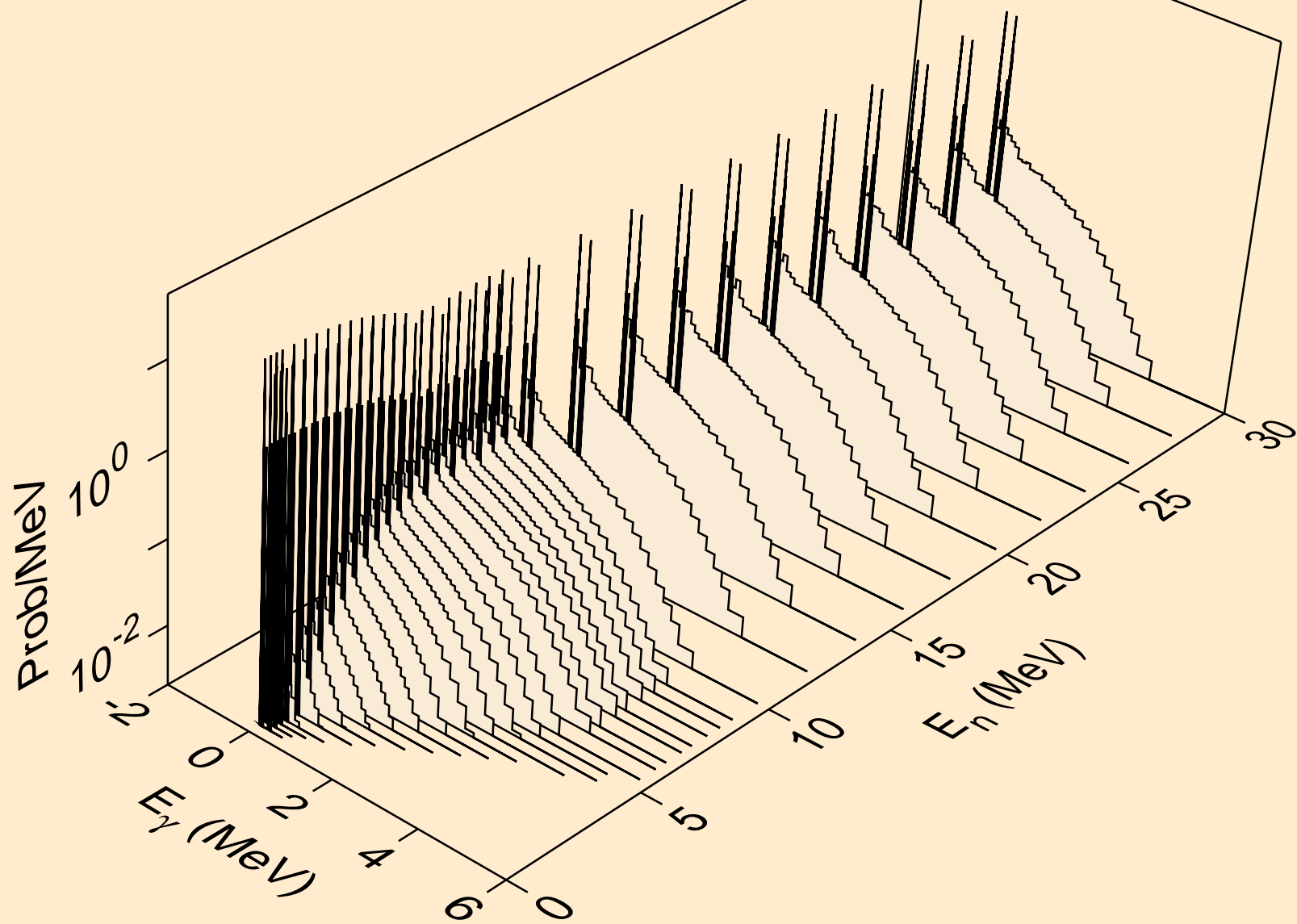
ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)



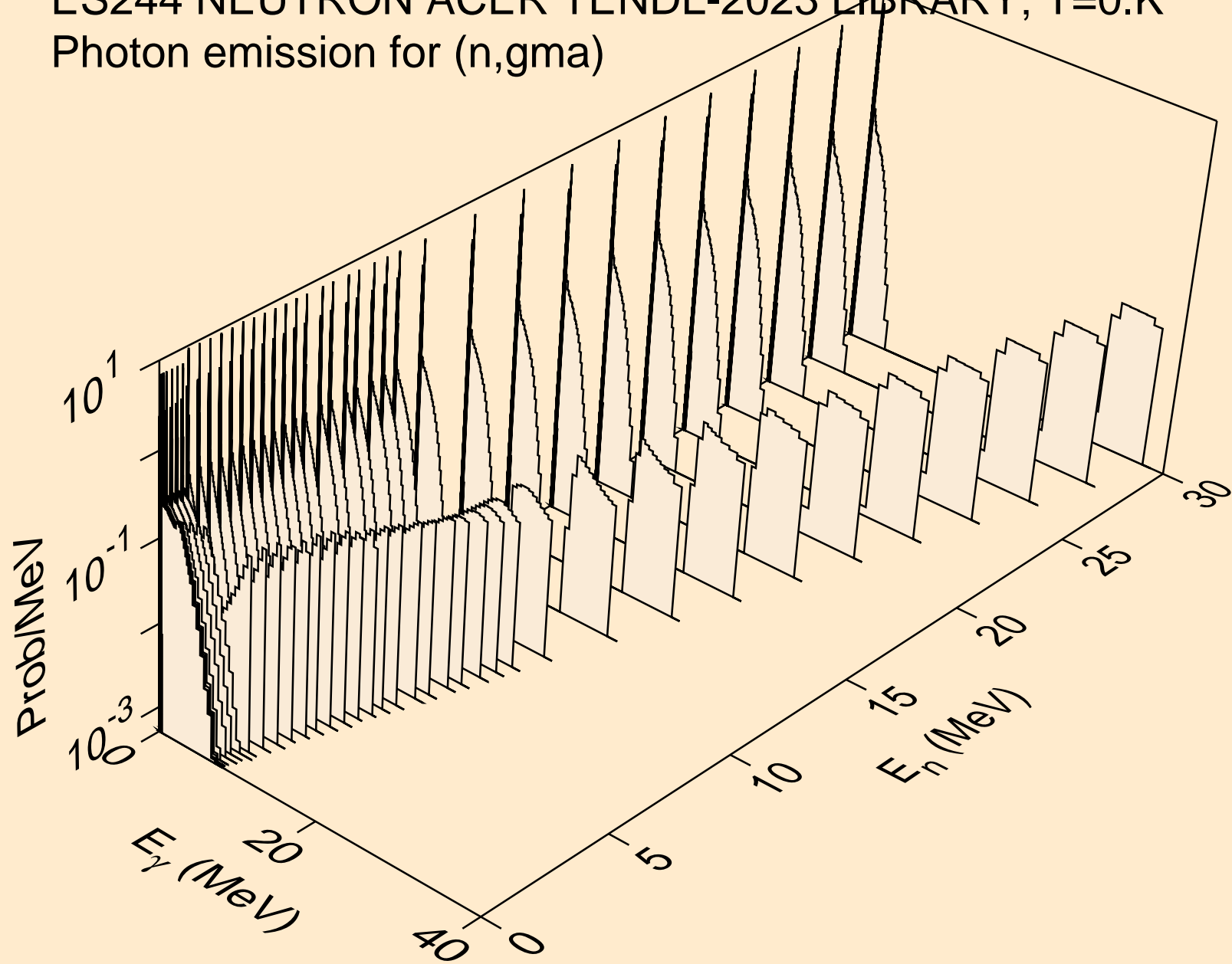
ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)



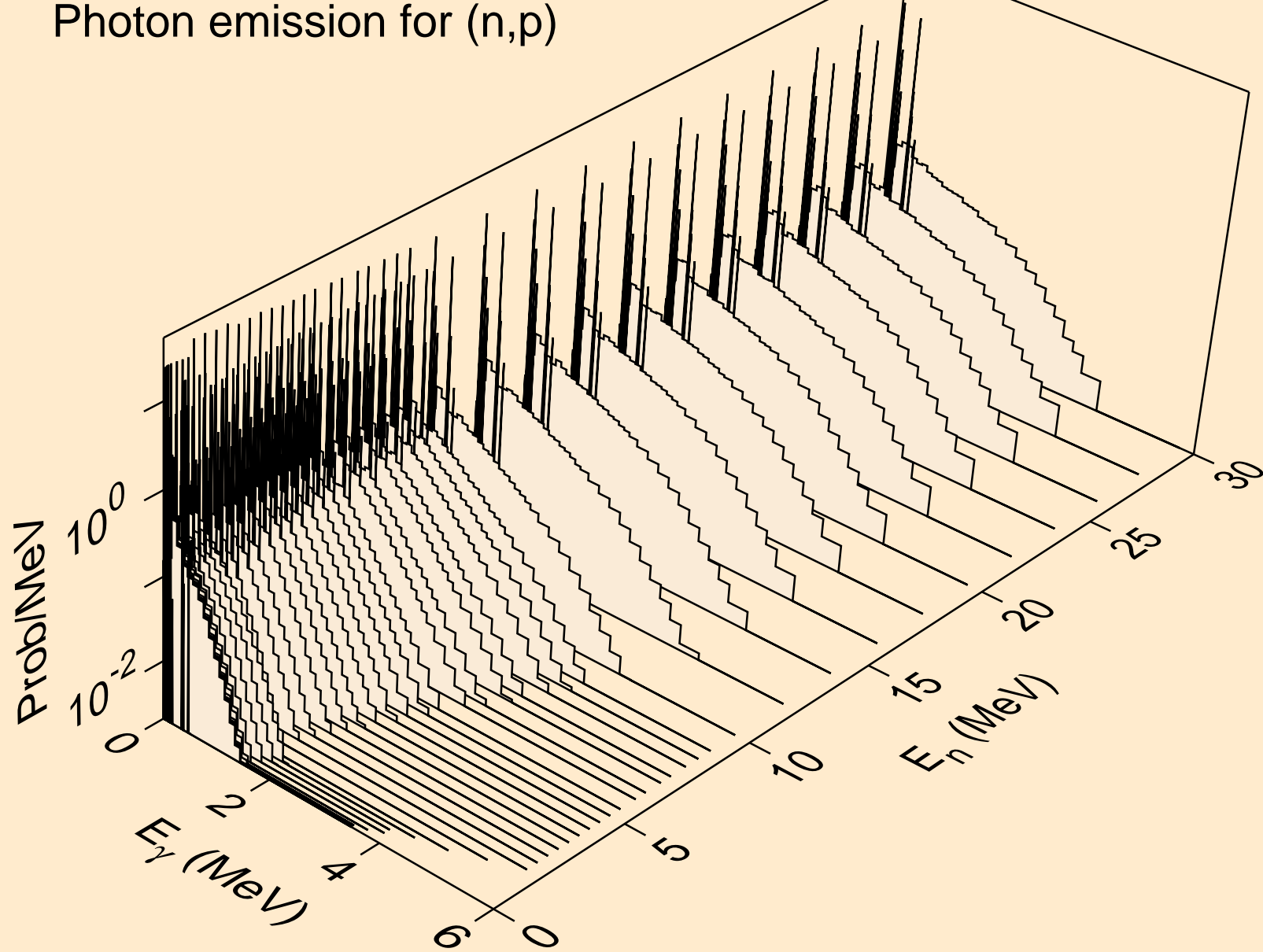
ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*c)



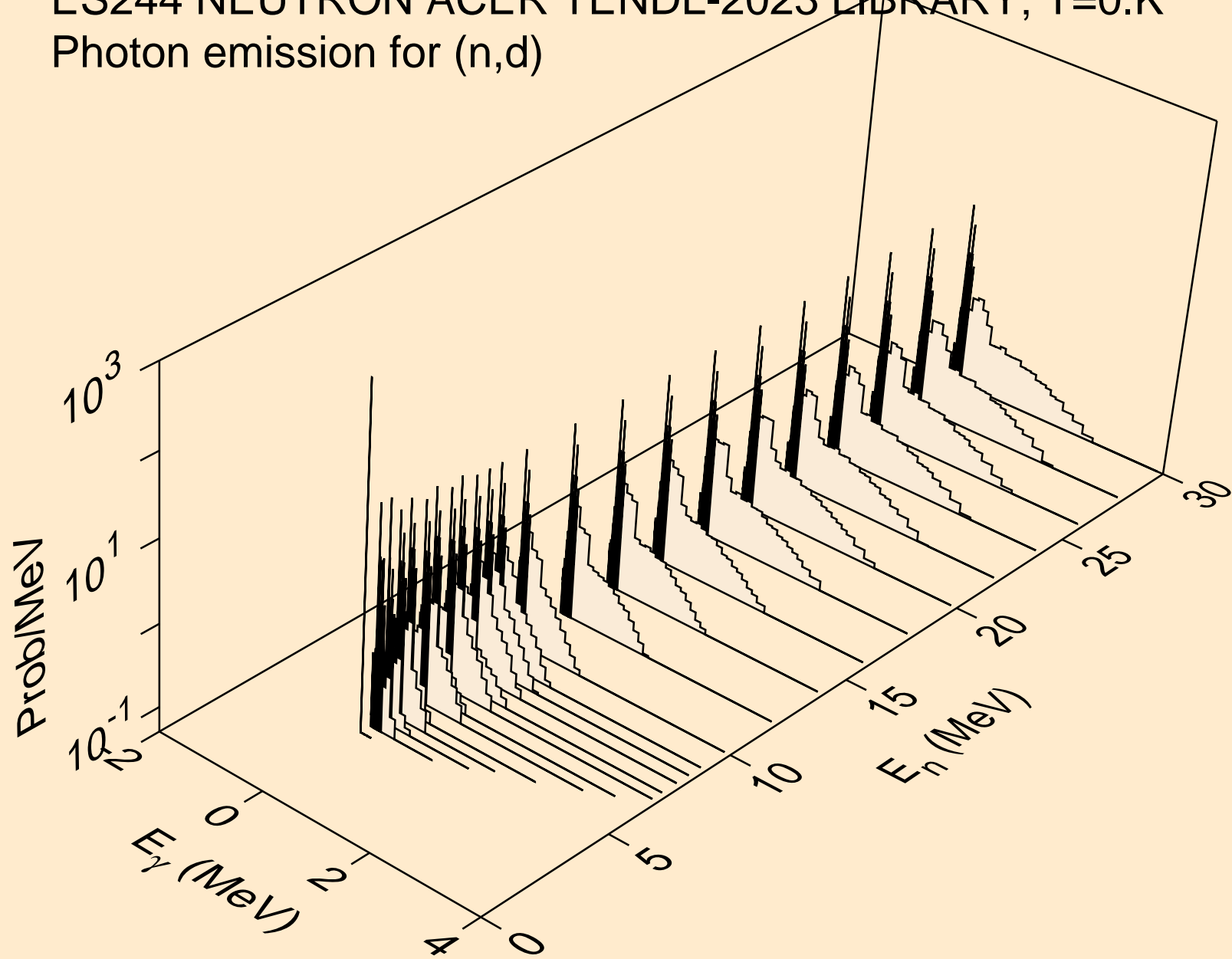
ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)



ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)

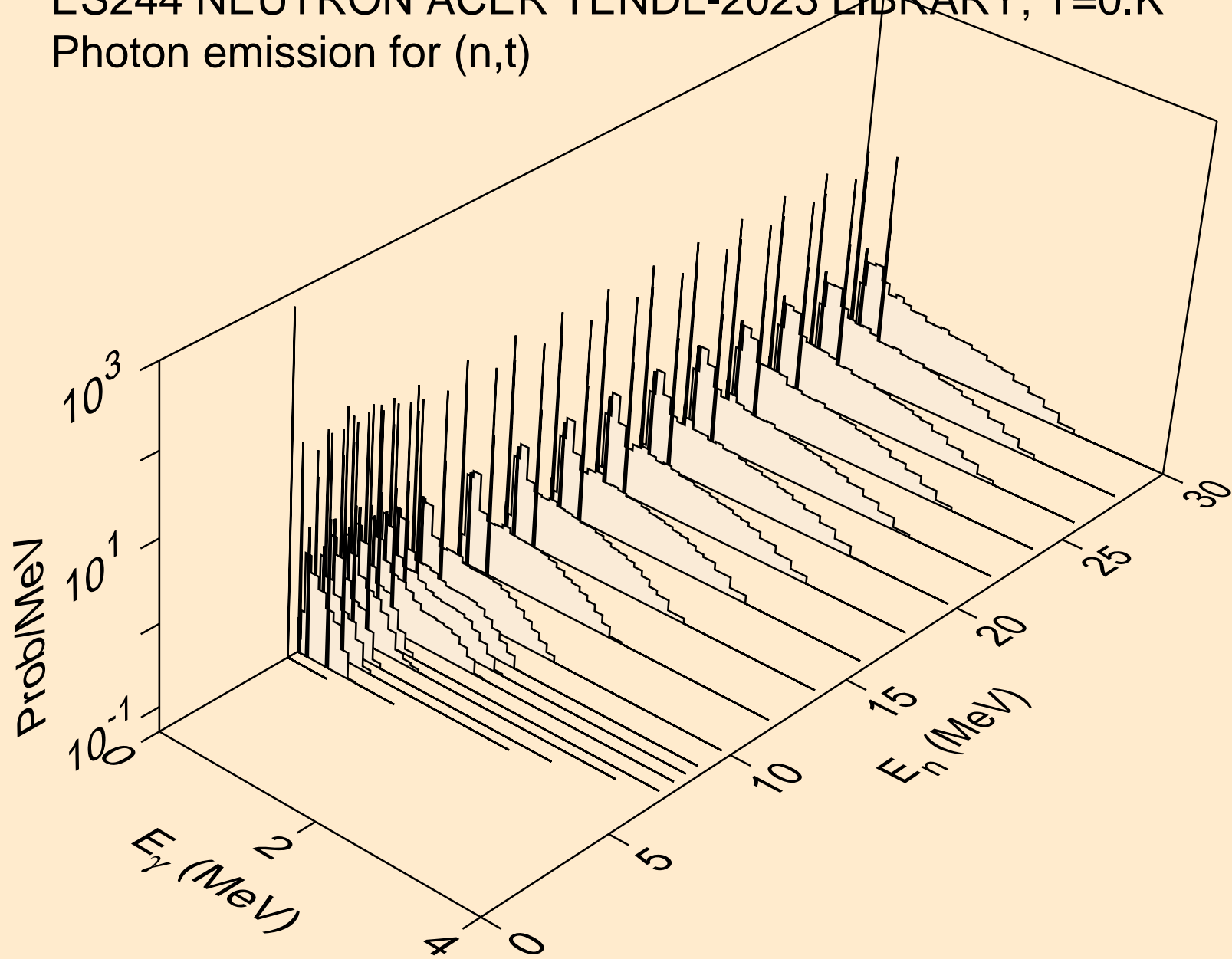


ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)

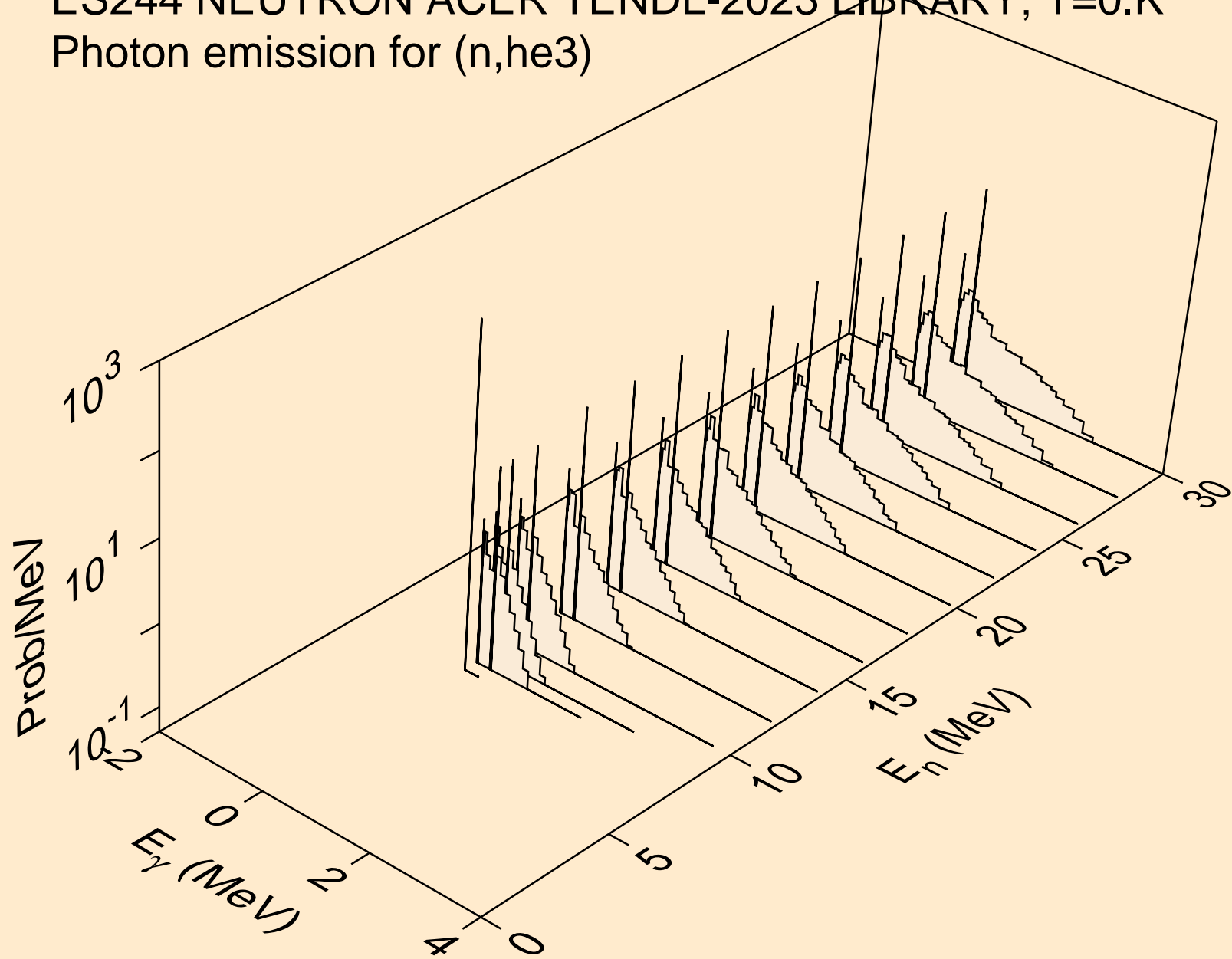




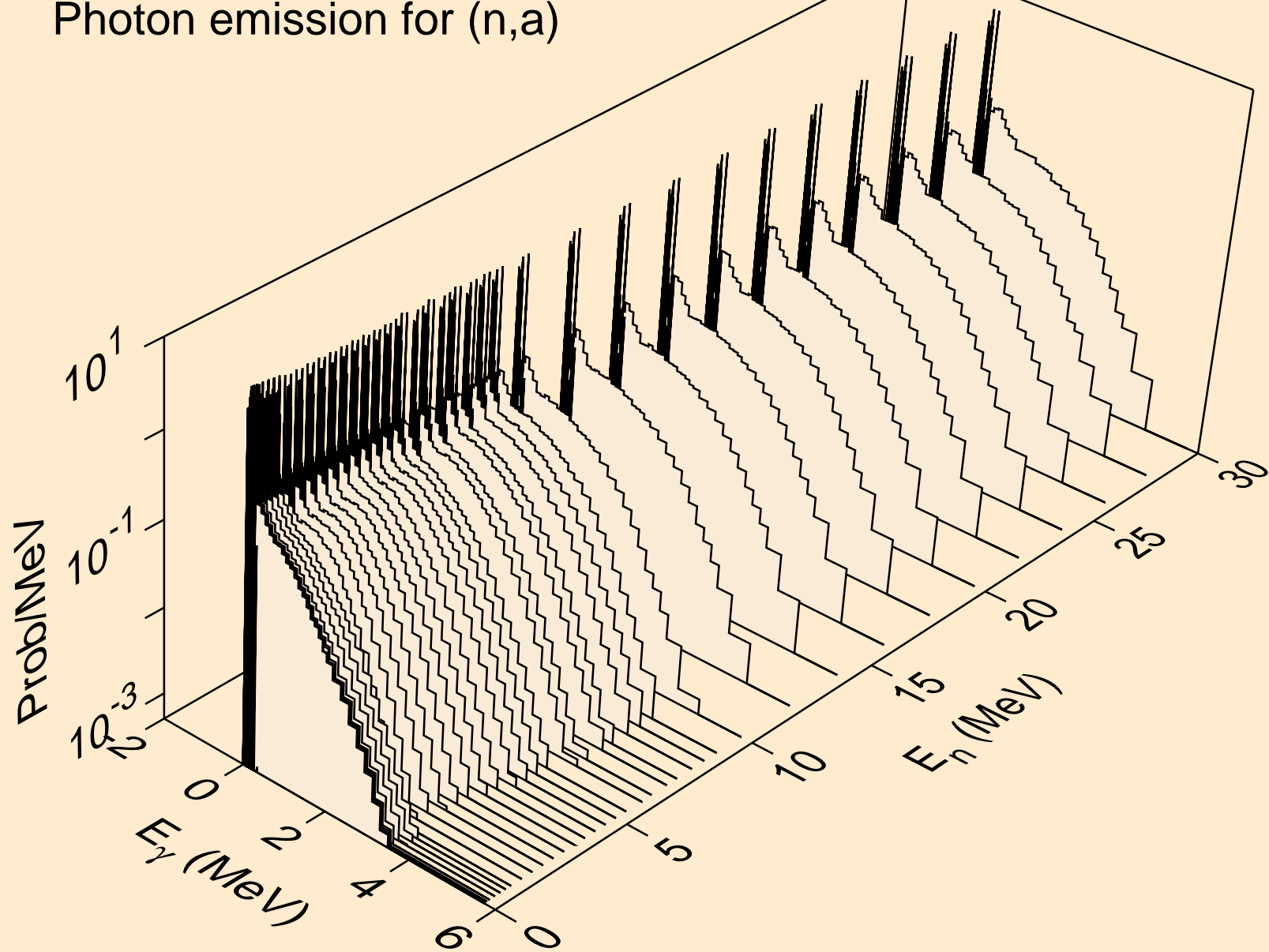
ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)



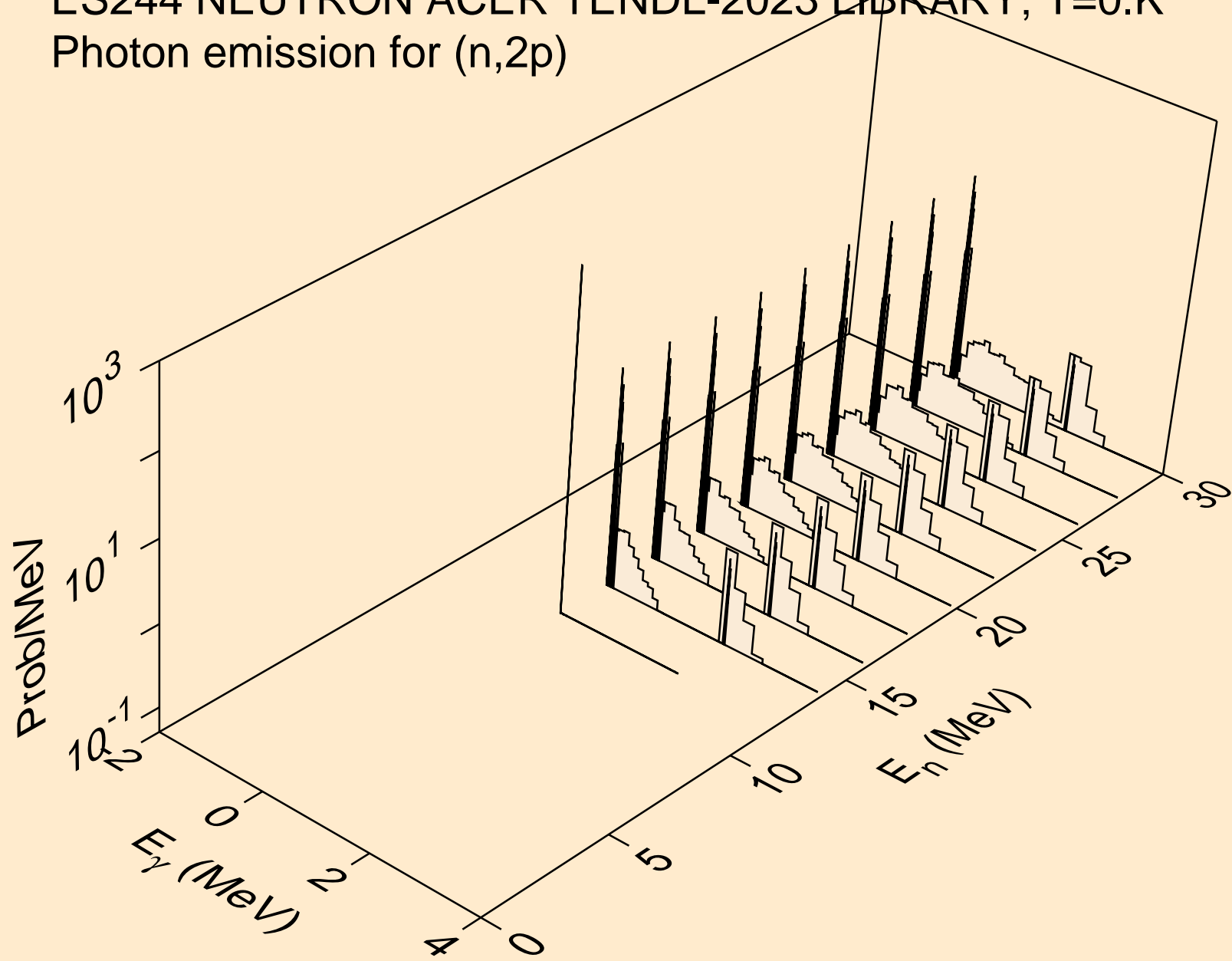
ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)



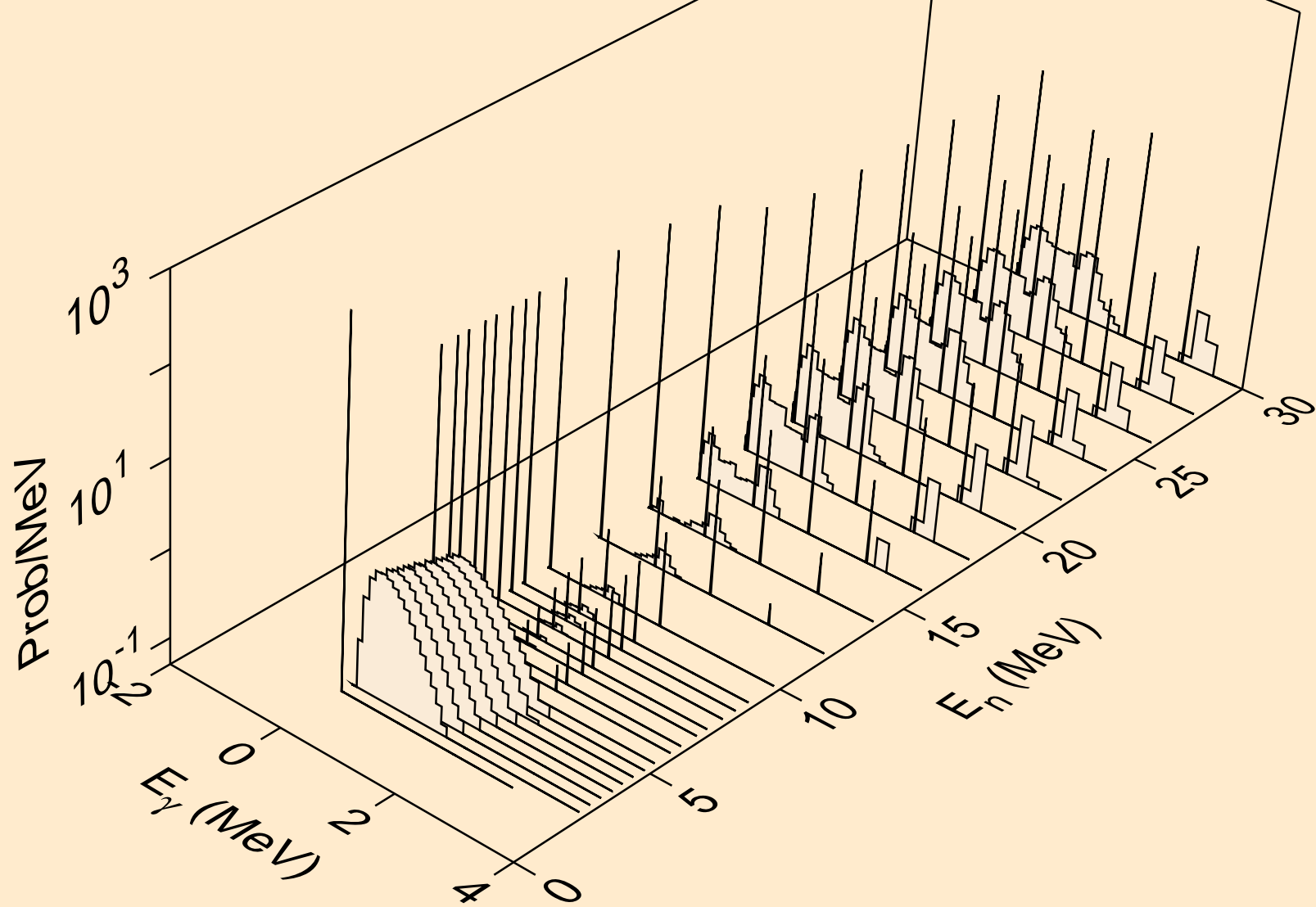
ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)



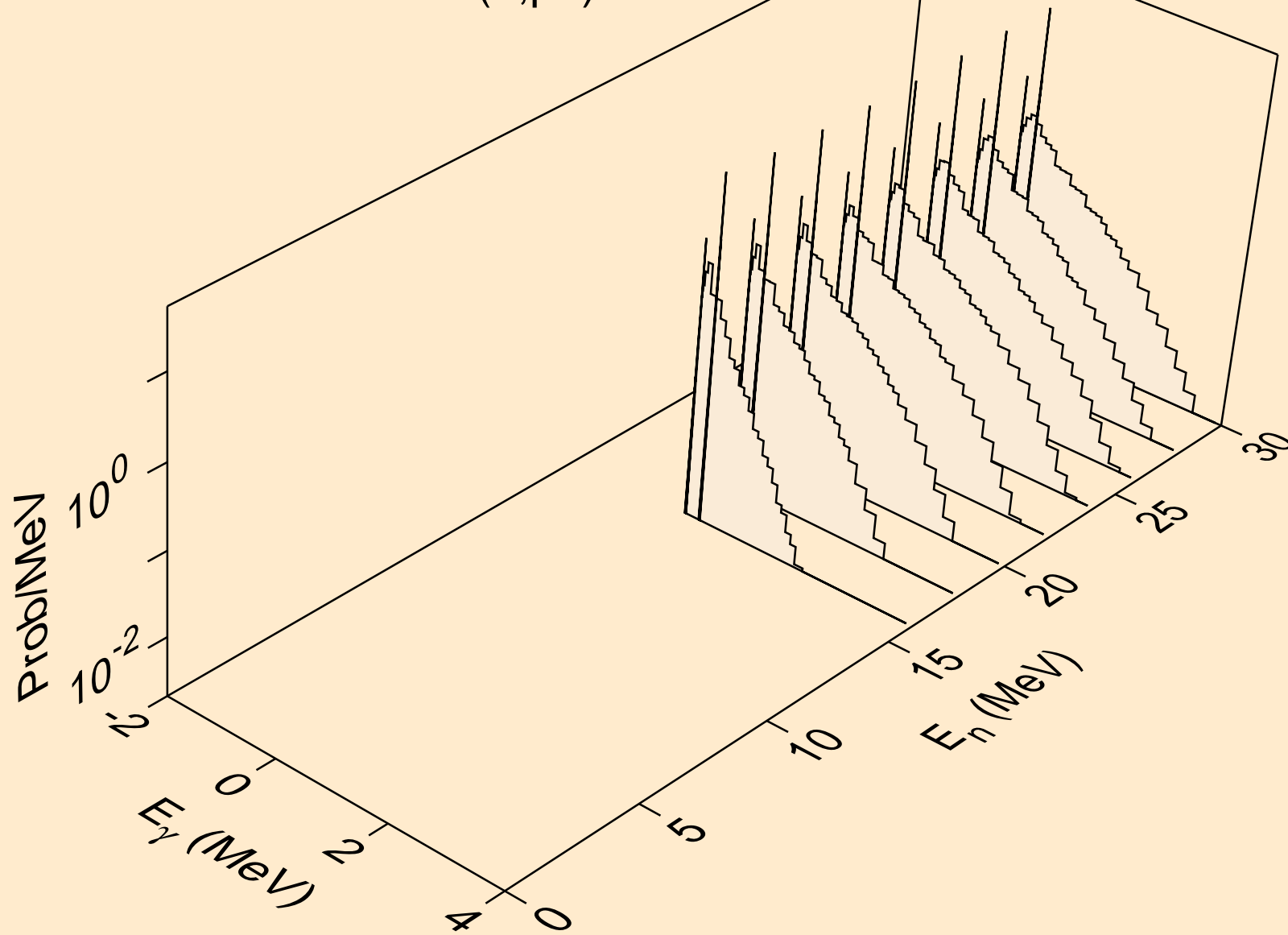
ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)



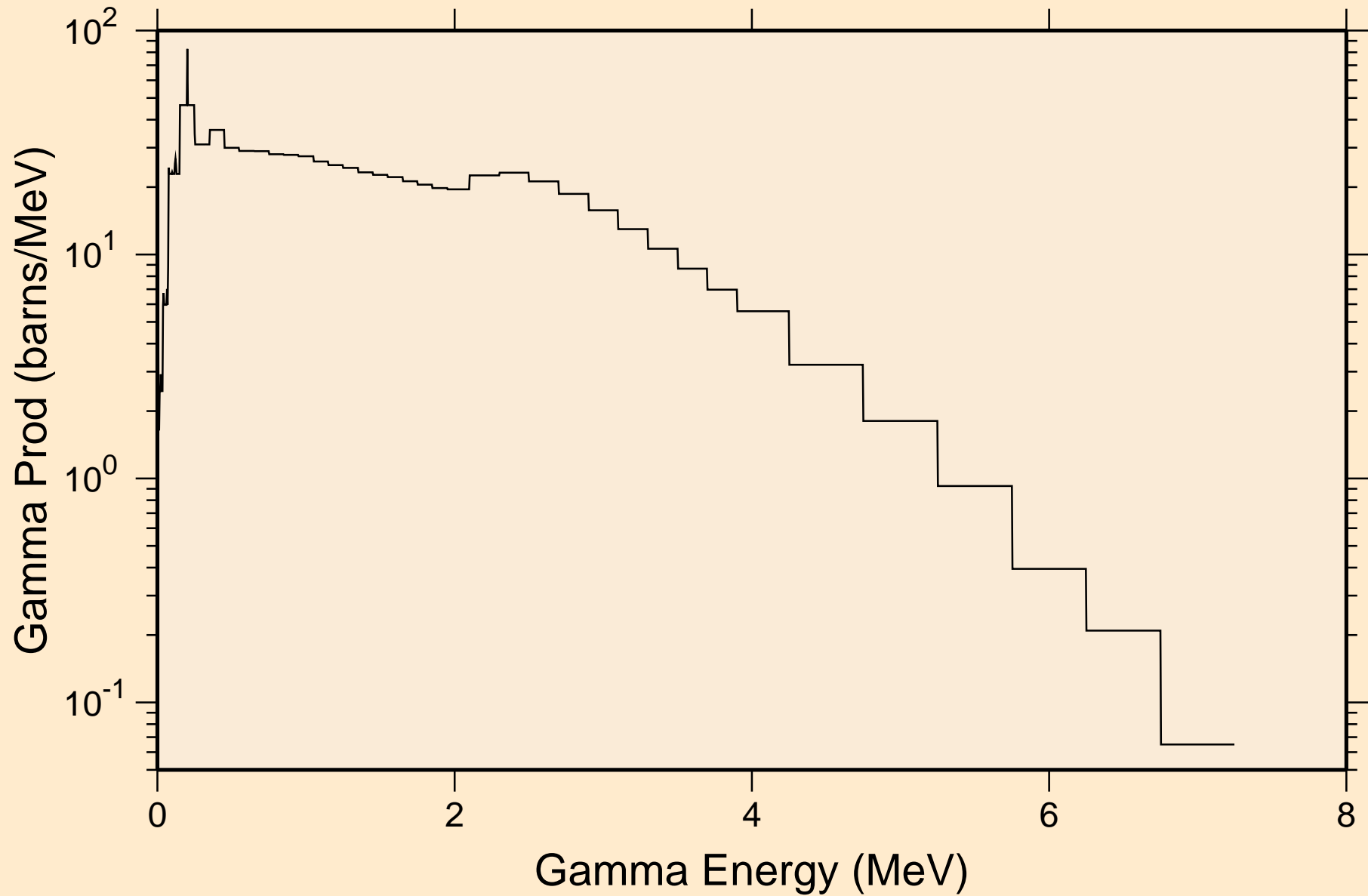
ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p $\alpha$ )



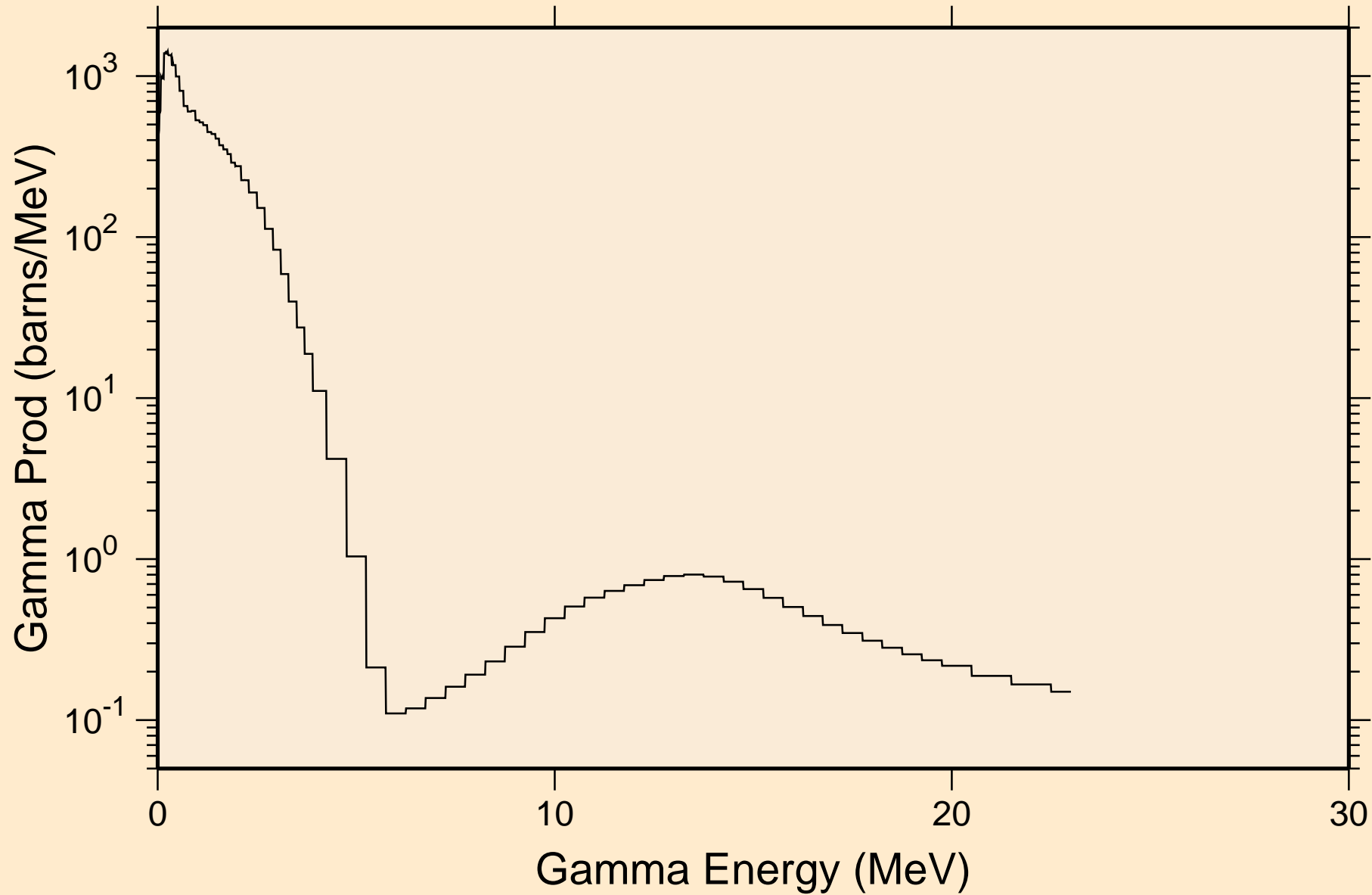
ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)



ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
thermal capture photon spectrum



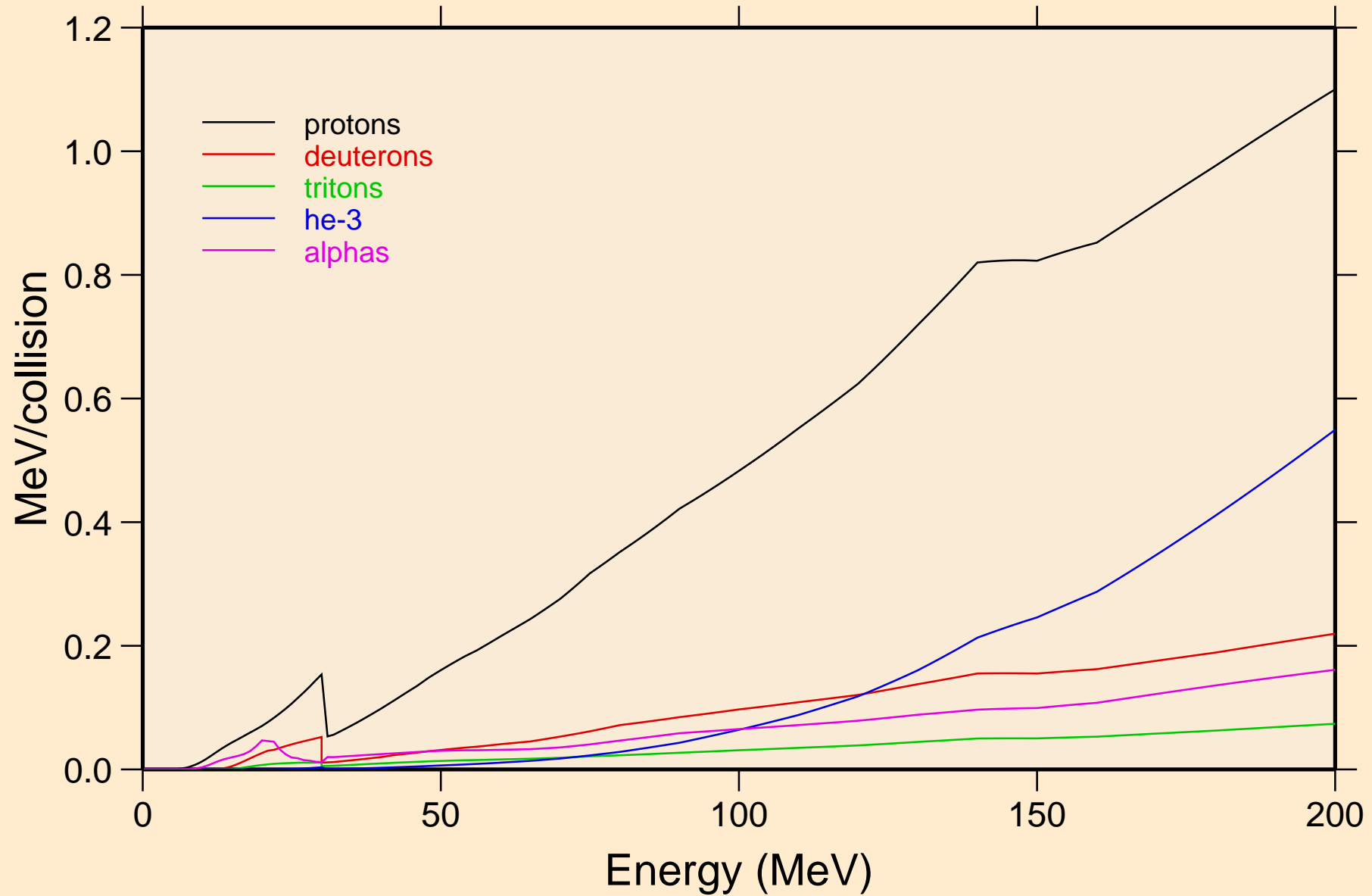
ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
14 MeV photon spectrum



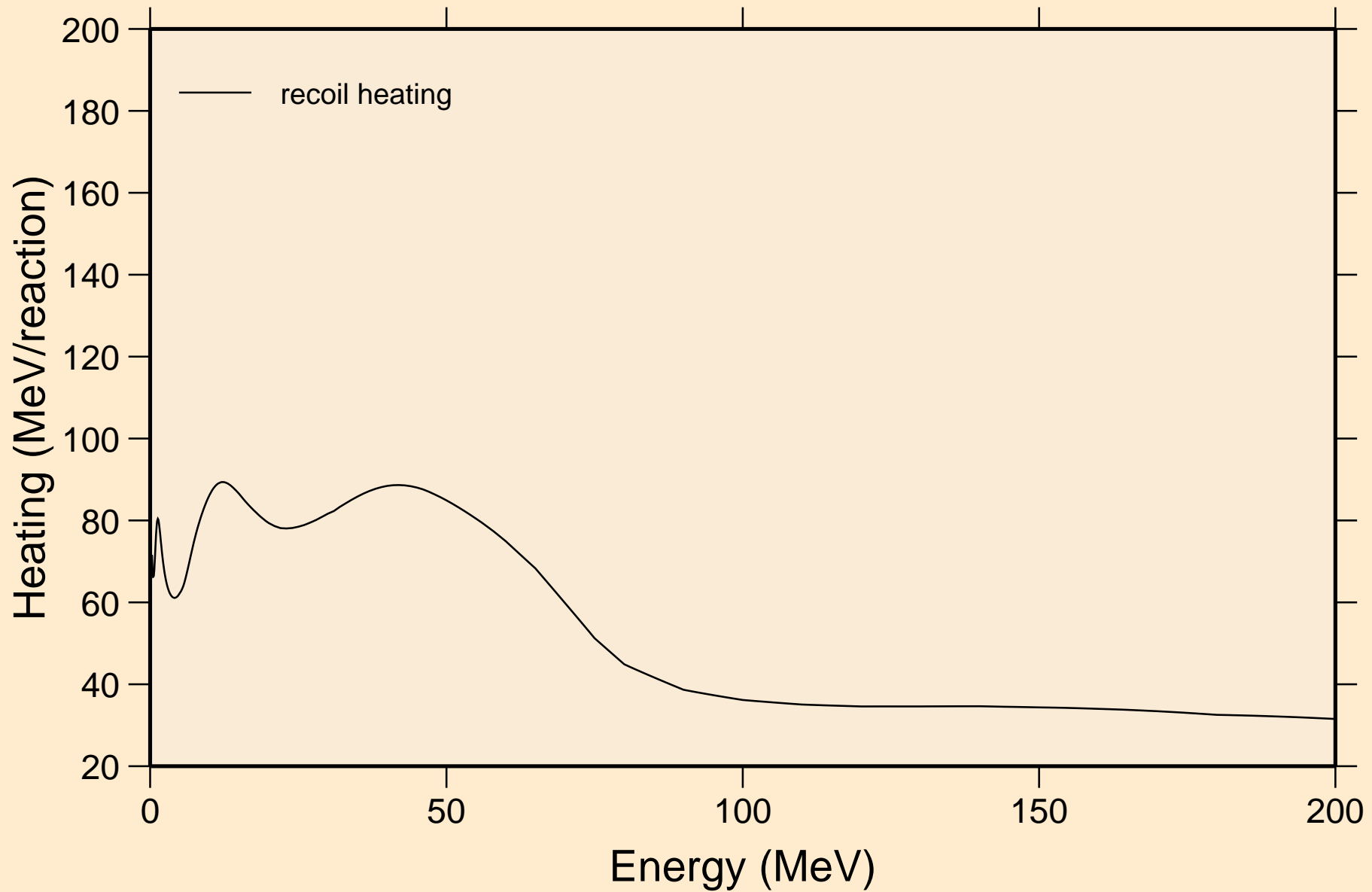


# ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Particle heating contributions

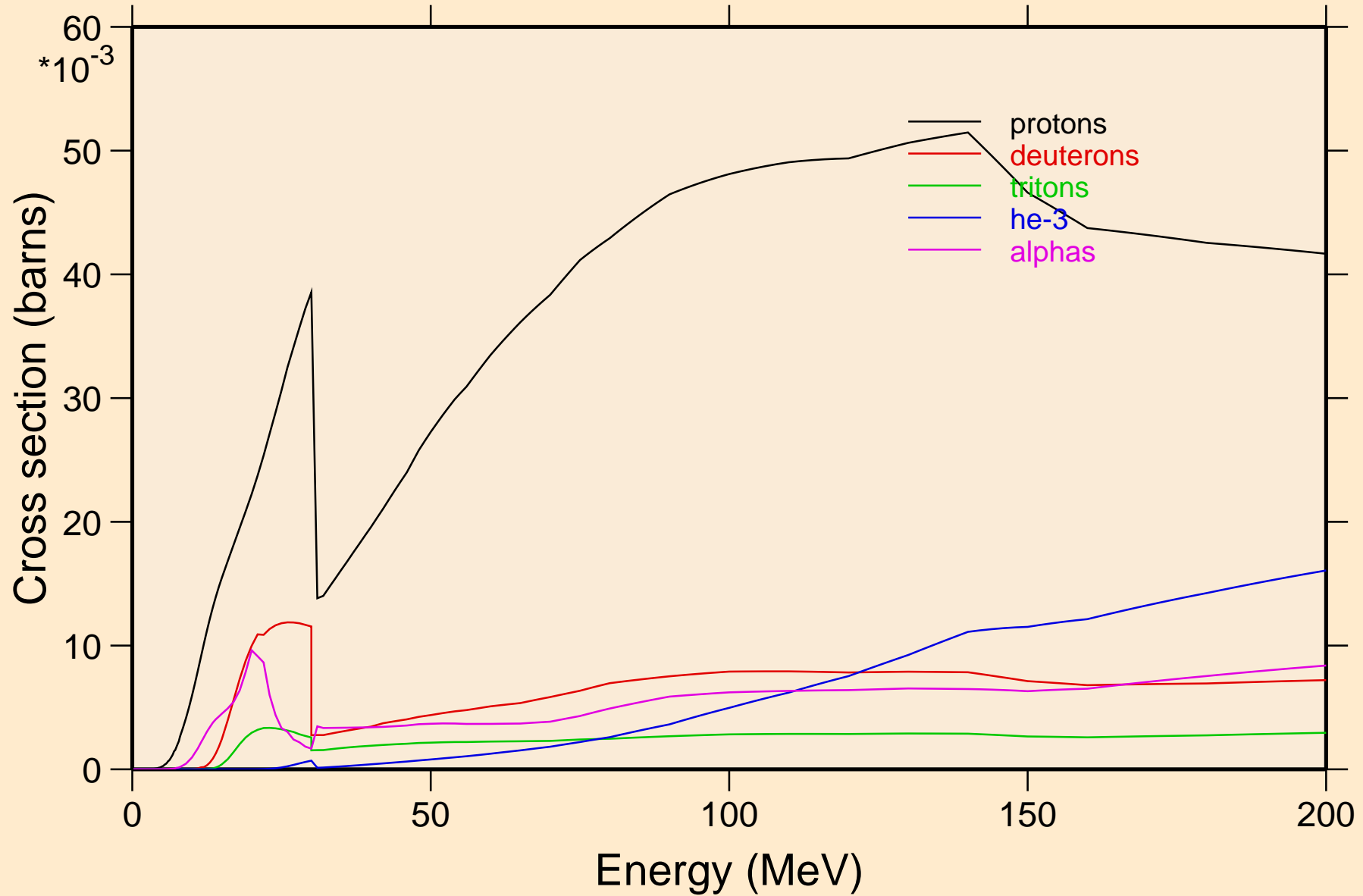


ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating

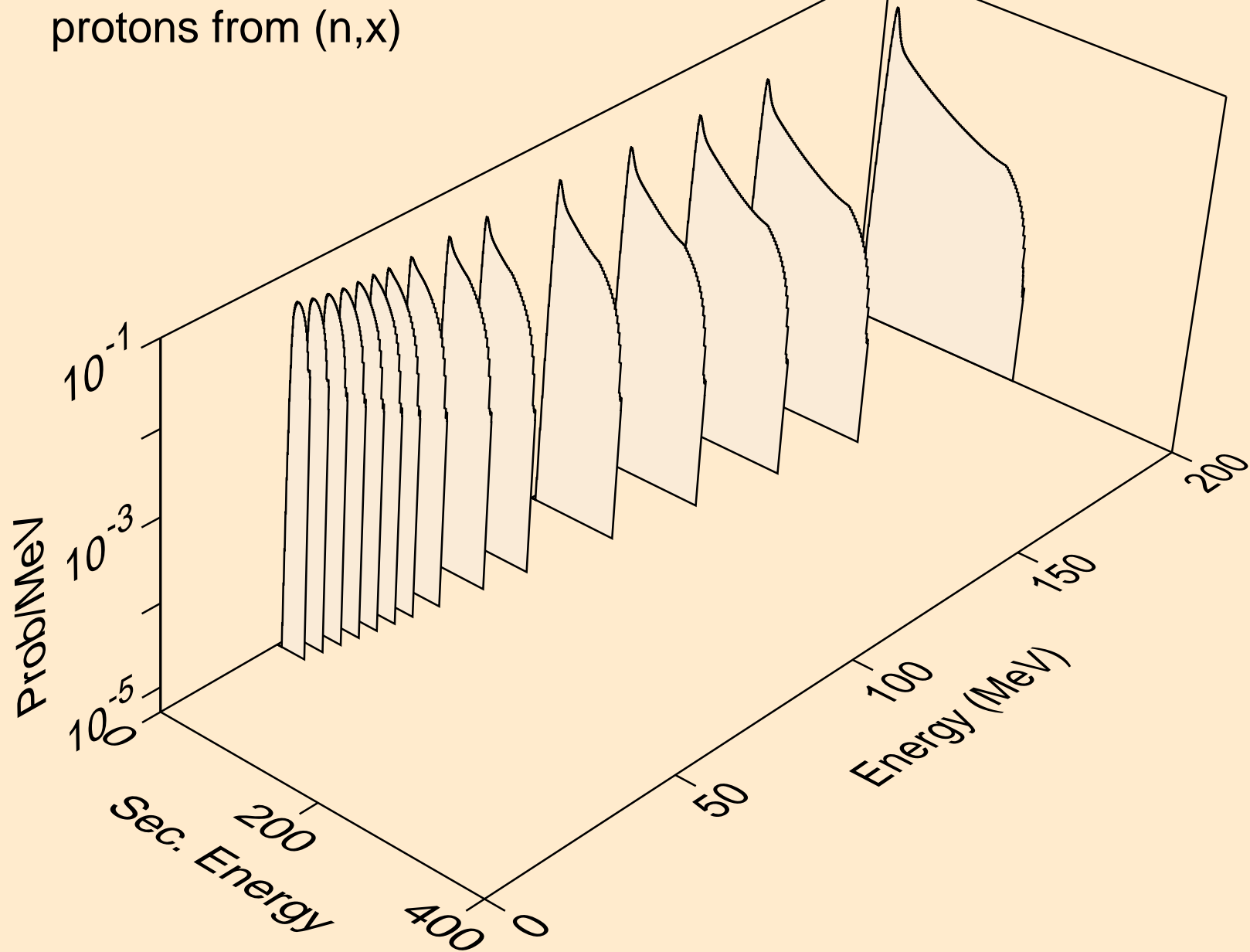


# ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

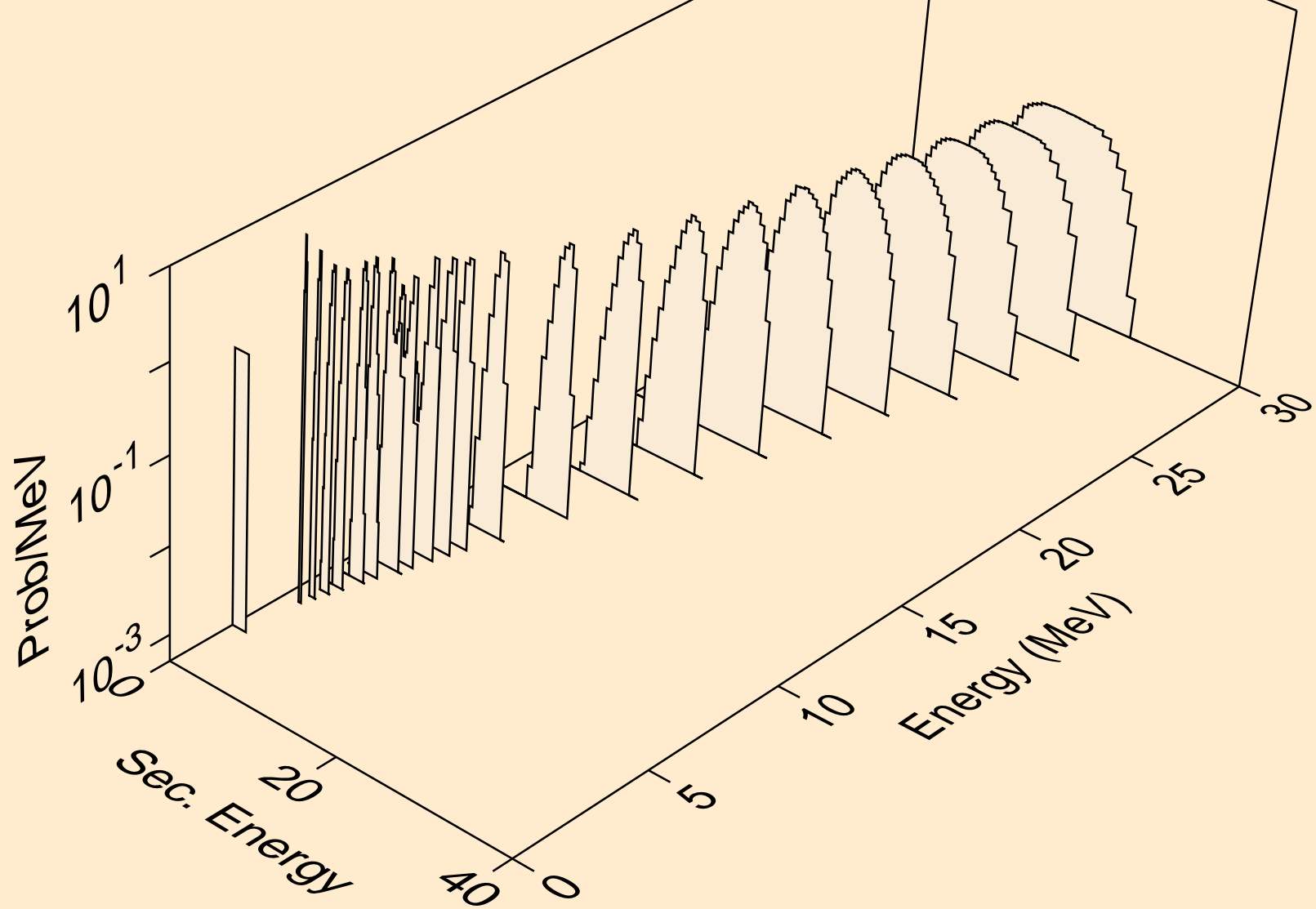
## Particle production cross sections



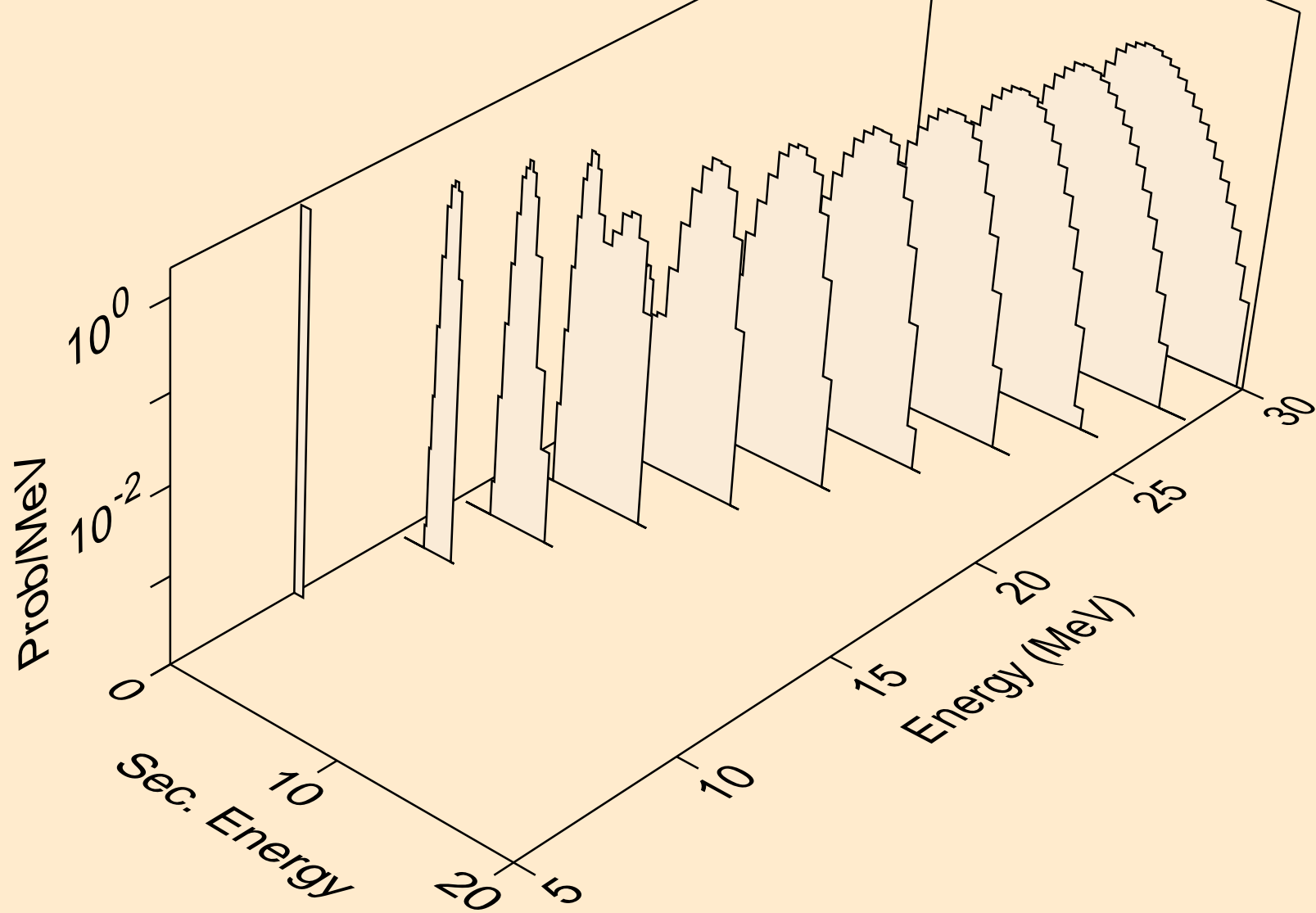
ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,x)



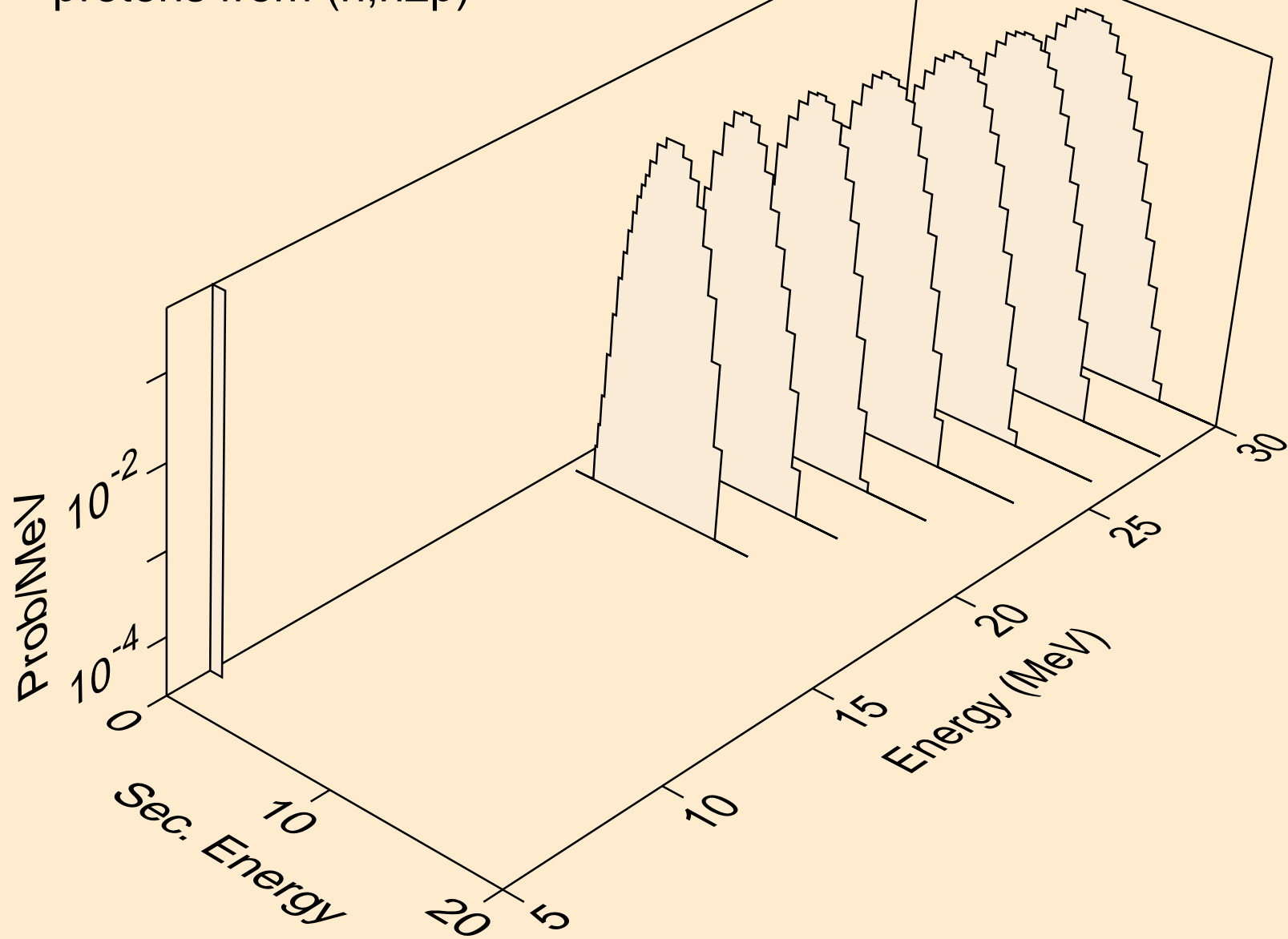
ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n\*)p



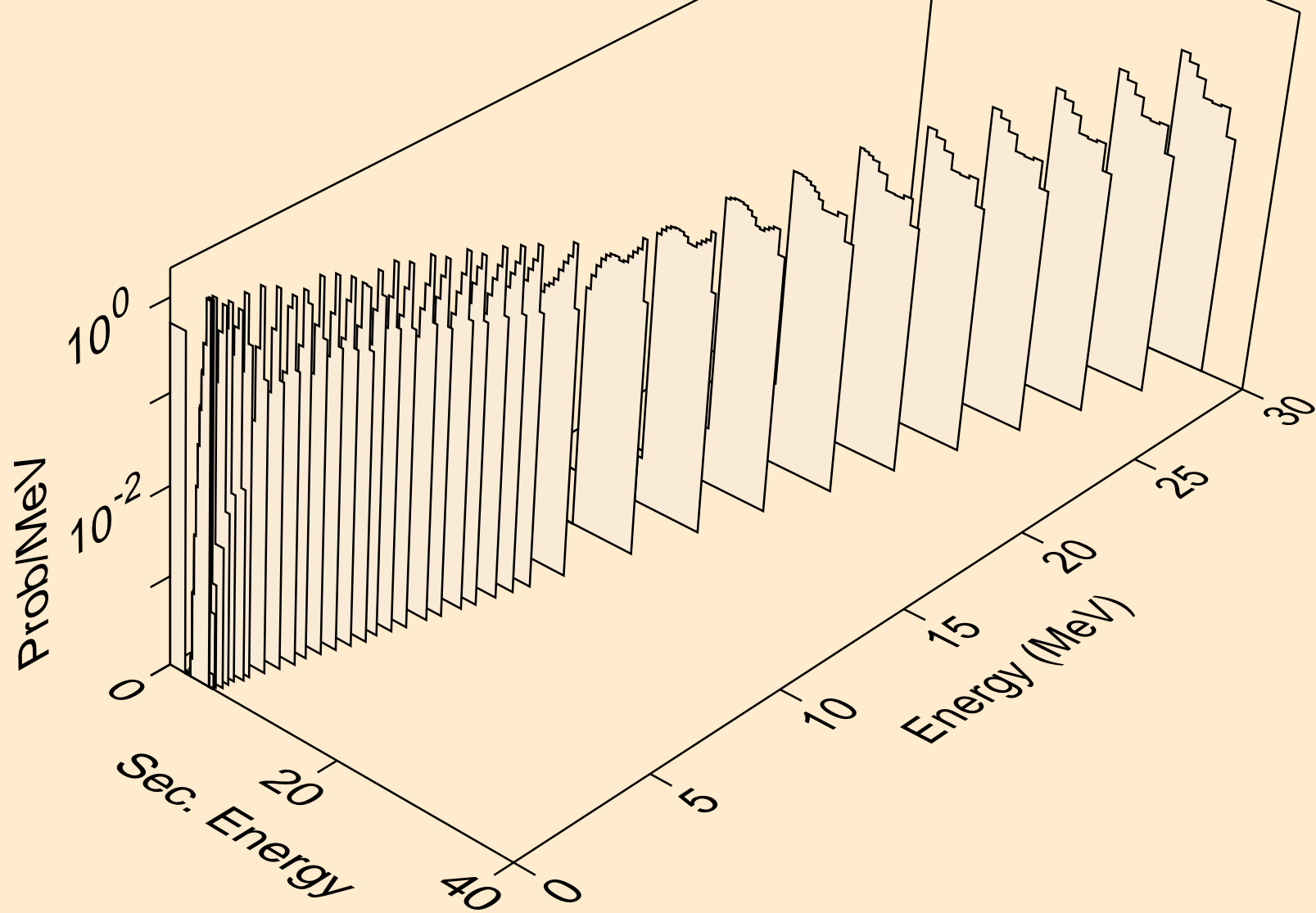
ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,2np)



ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n2p)

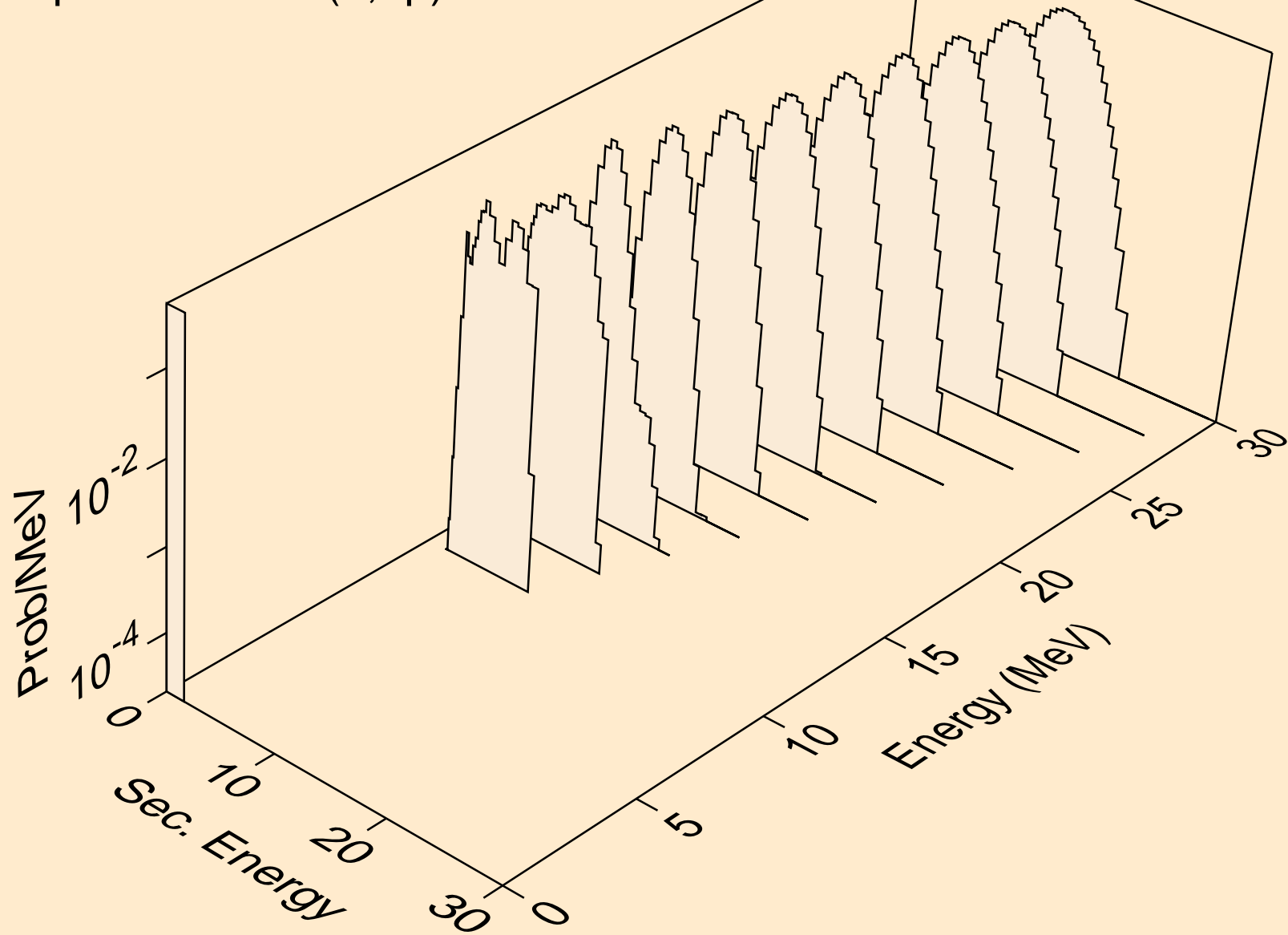


ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,p)

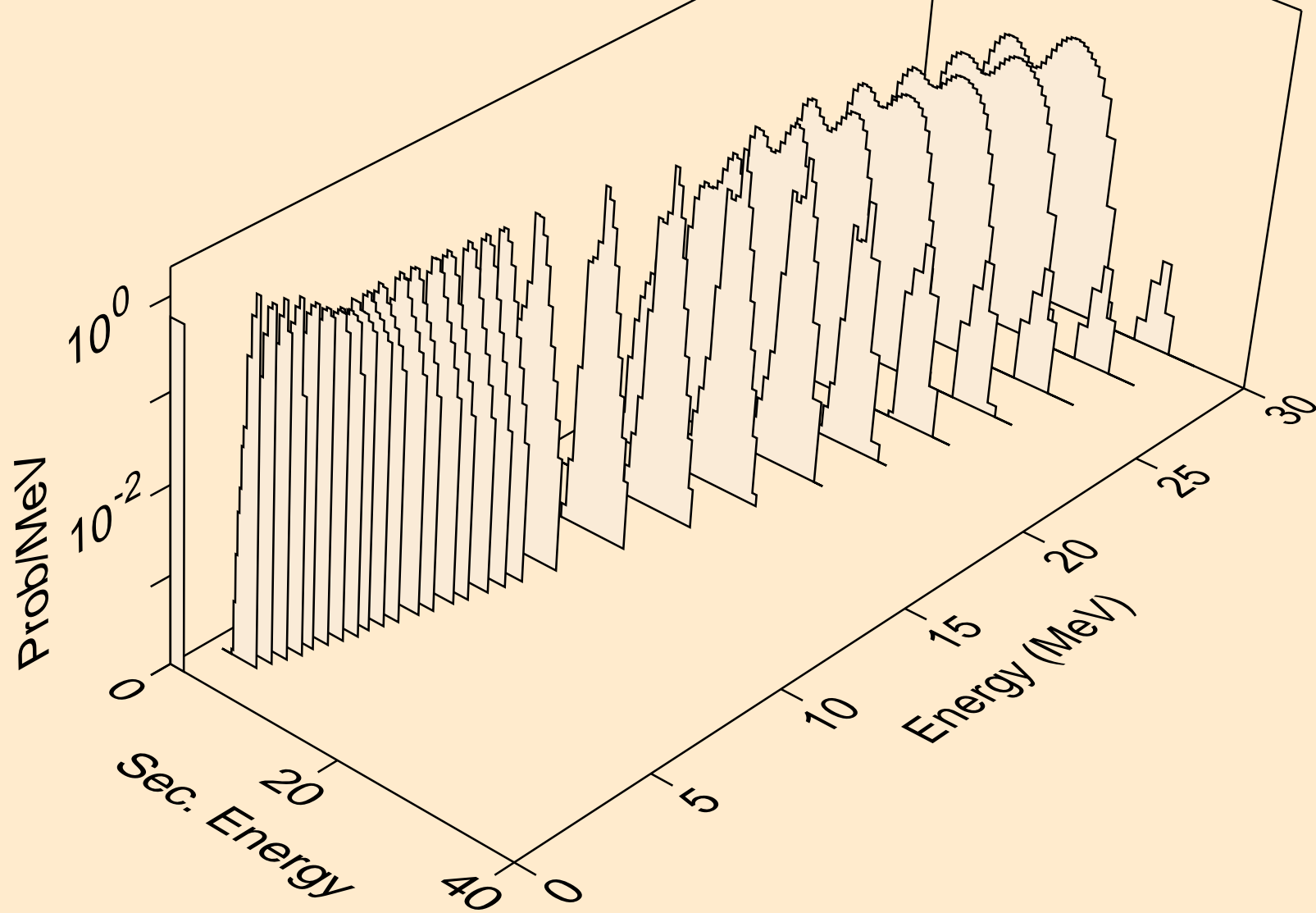




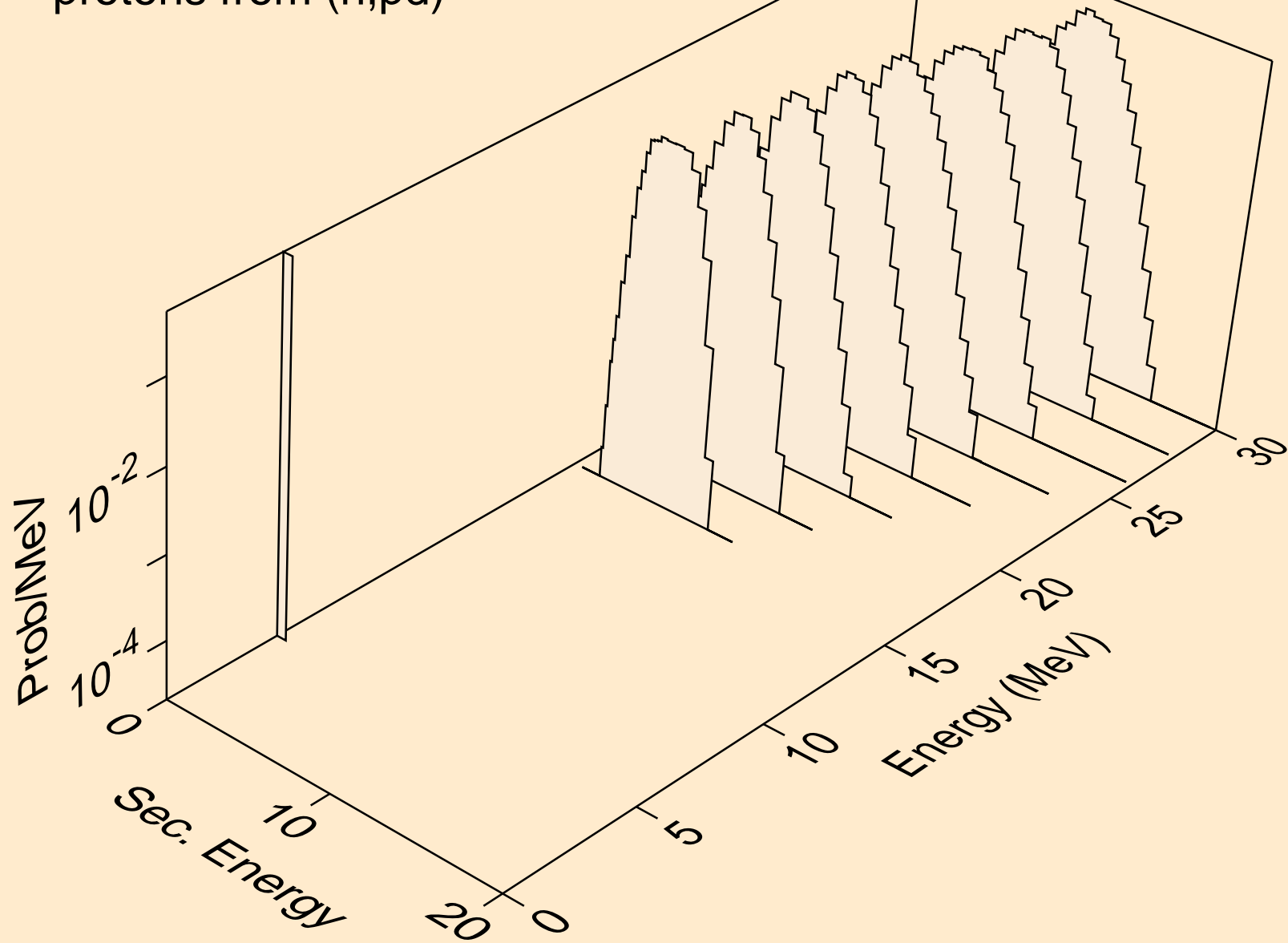
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protons from (n,2p)



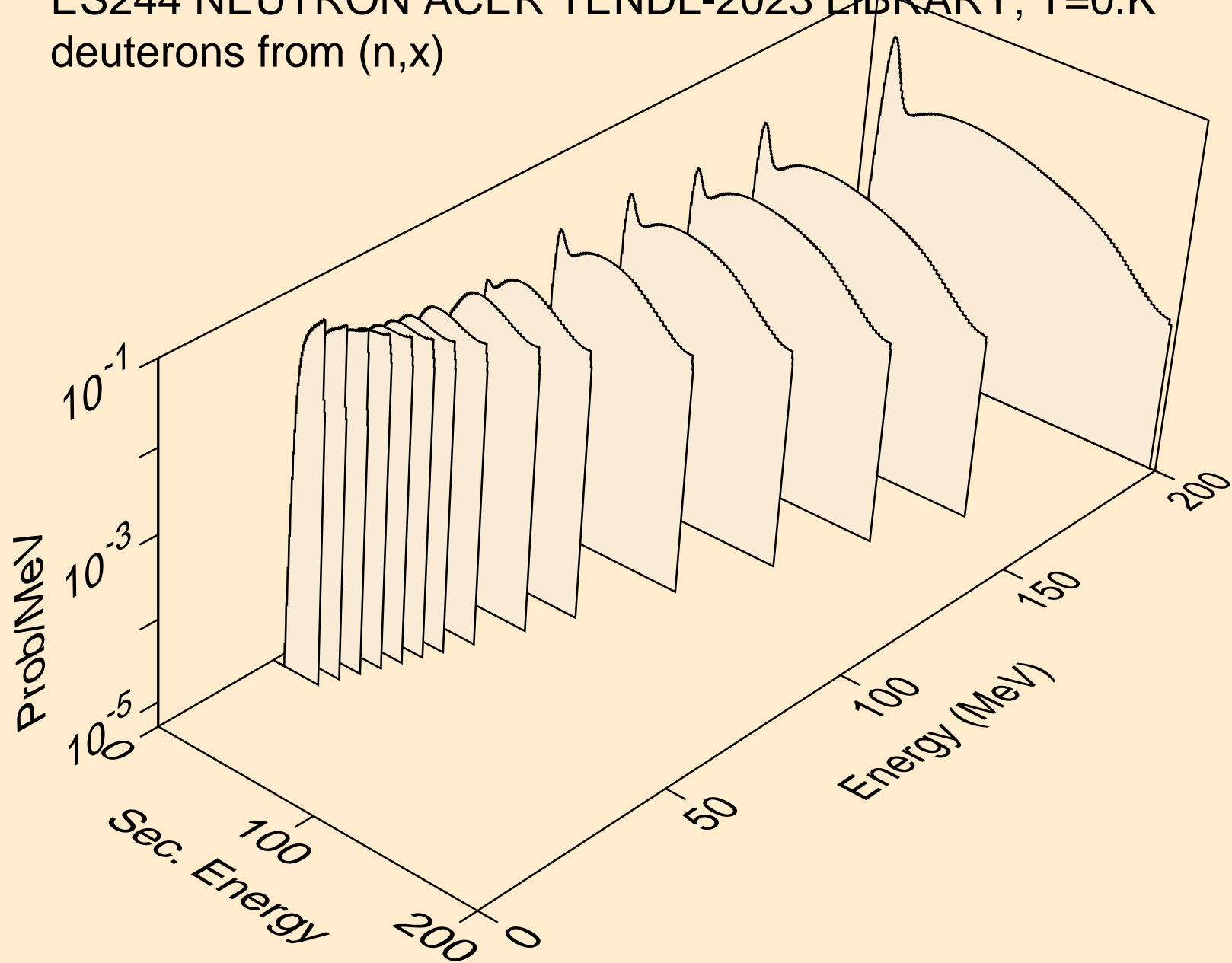
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protons from (n,p)



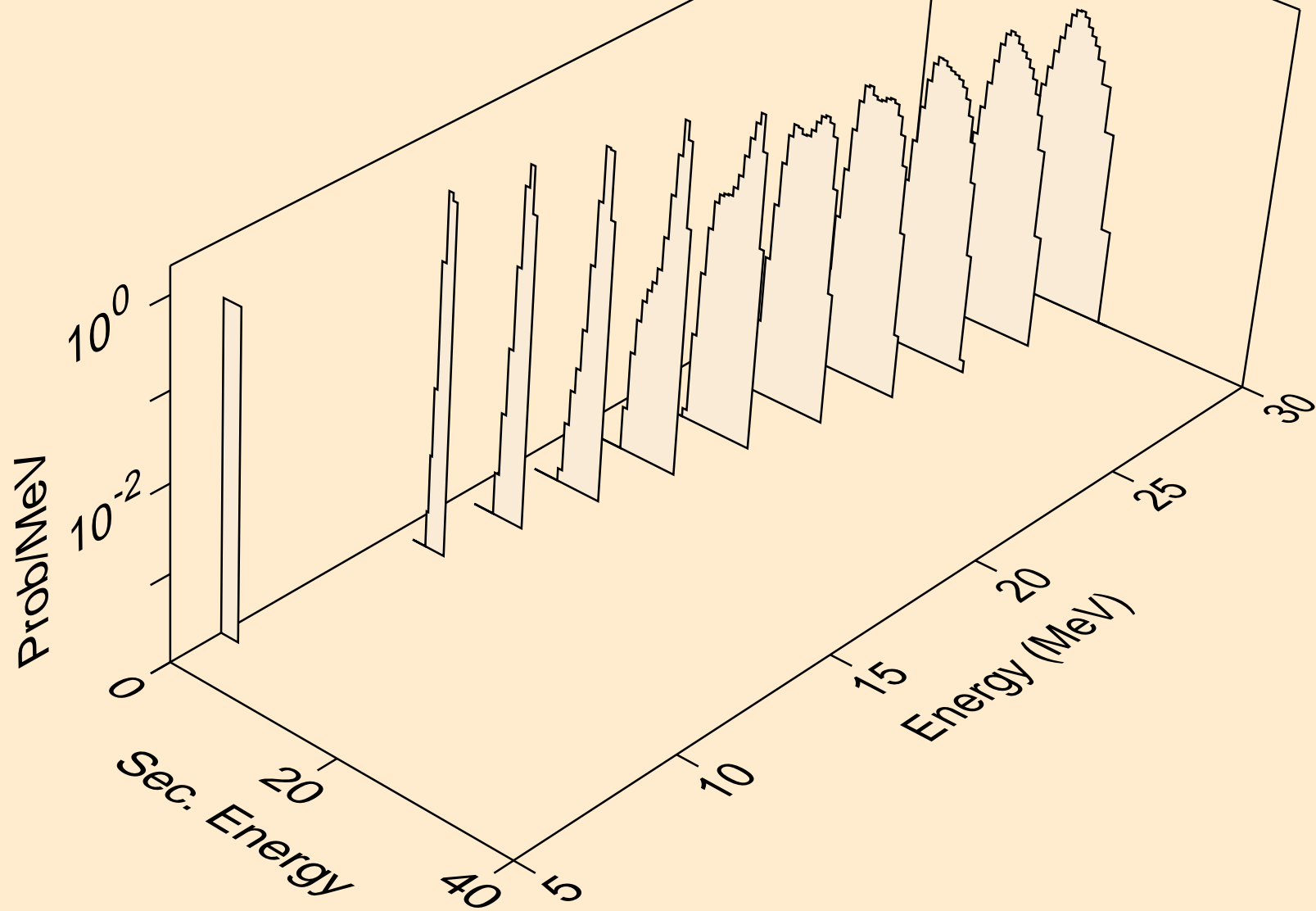
ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,pd)



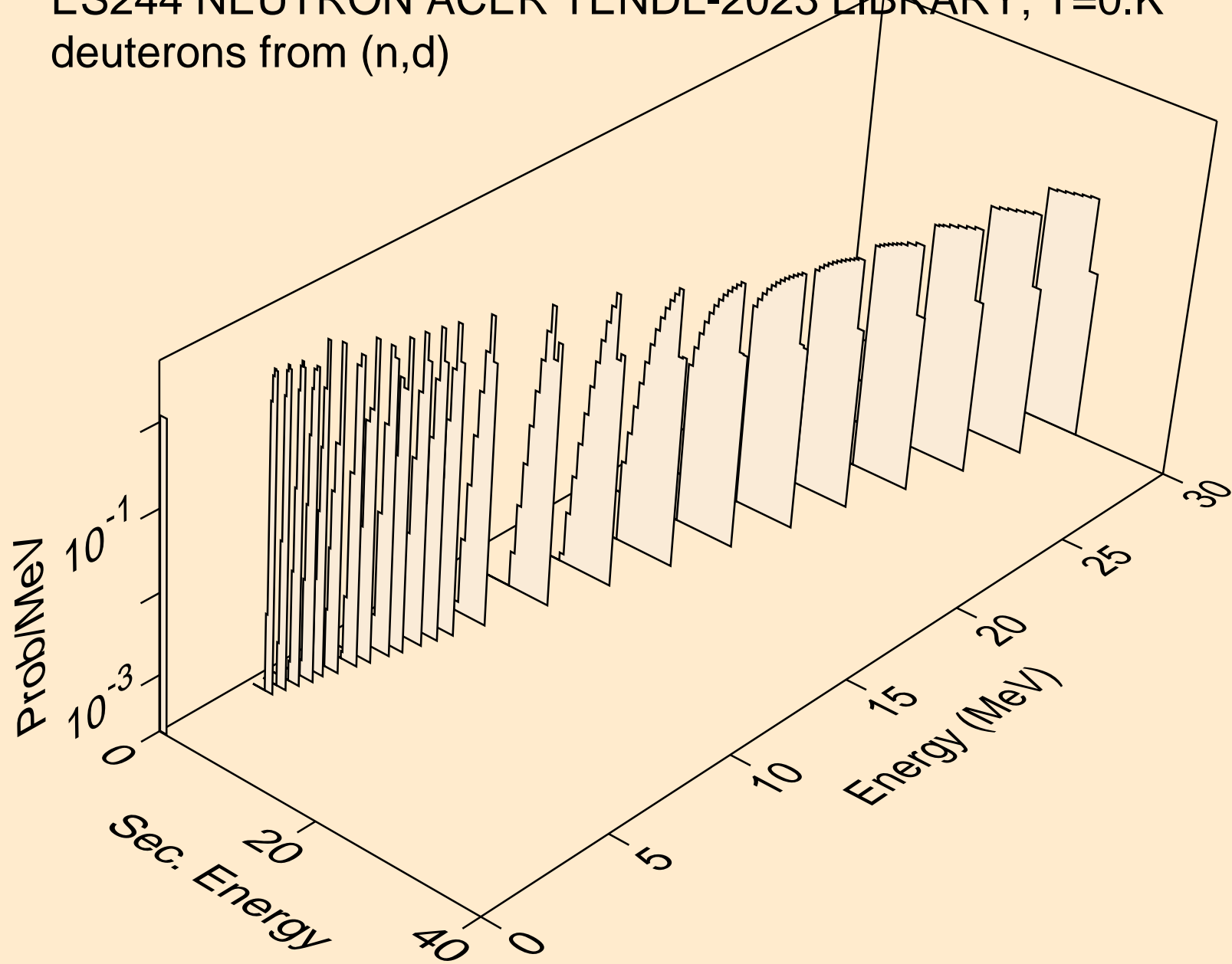
ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,x)



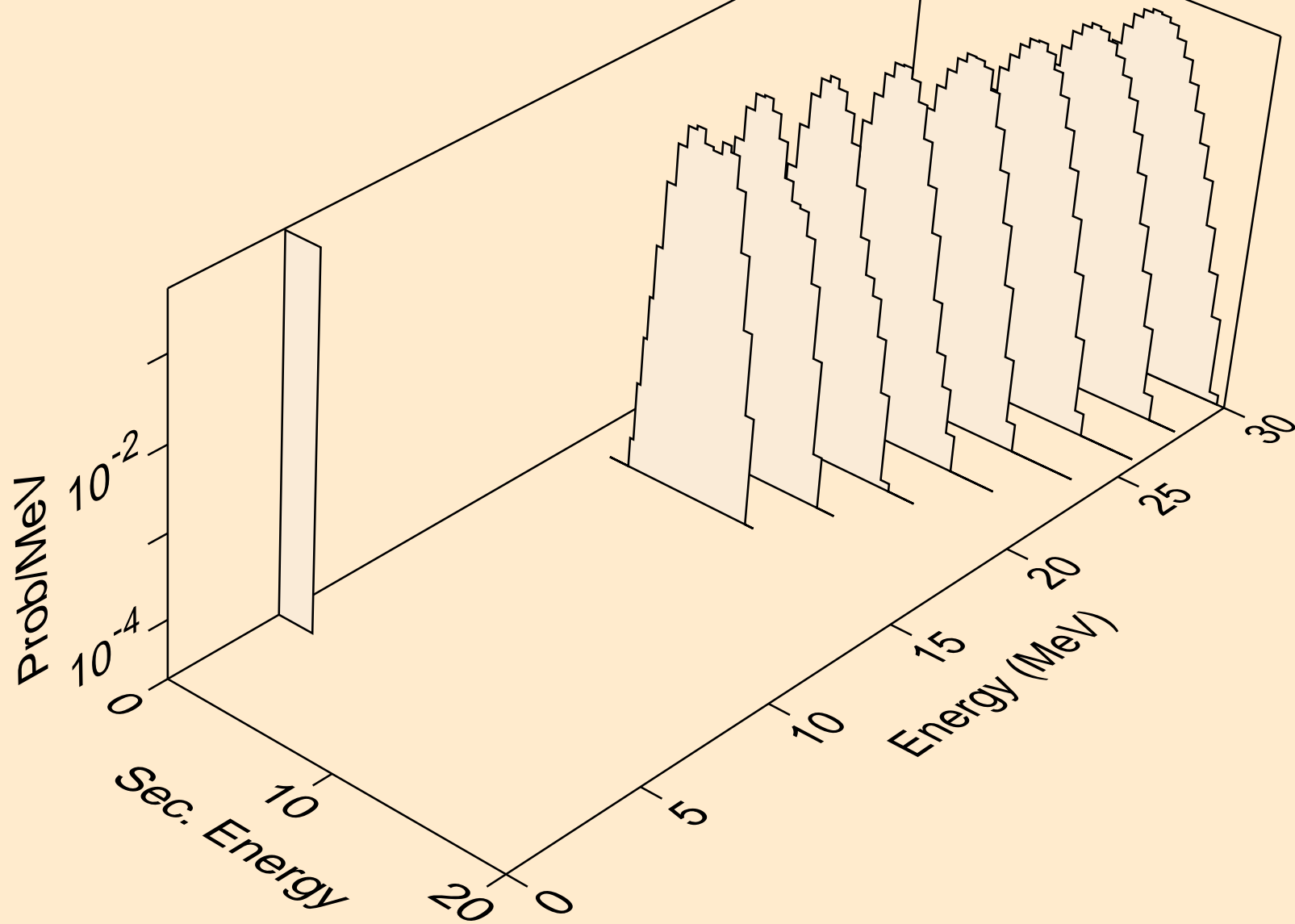
ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,n\*)d



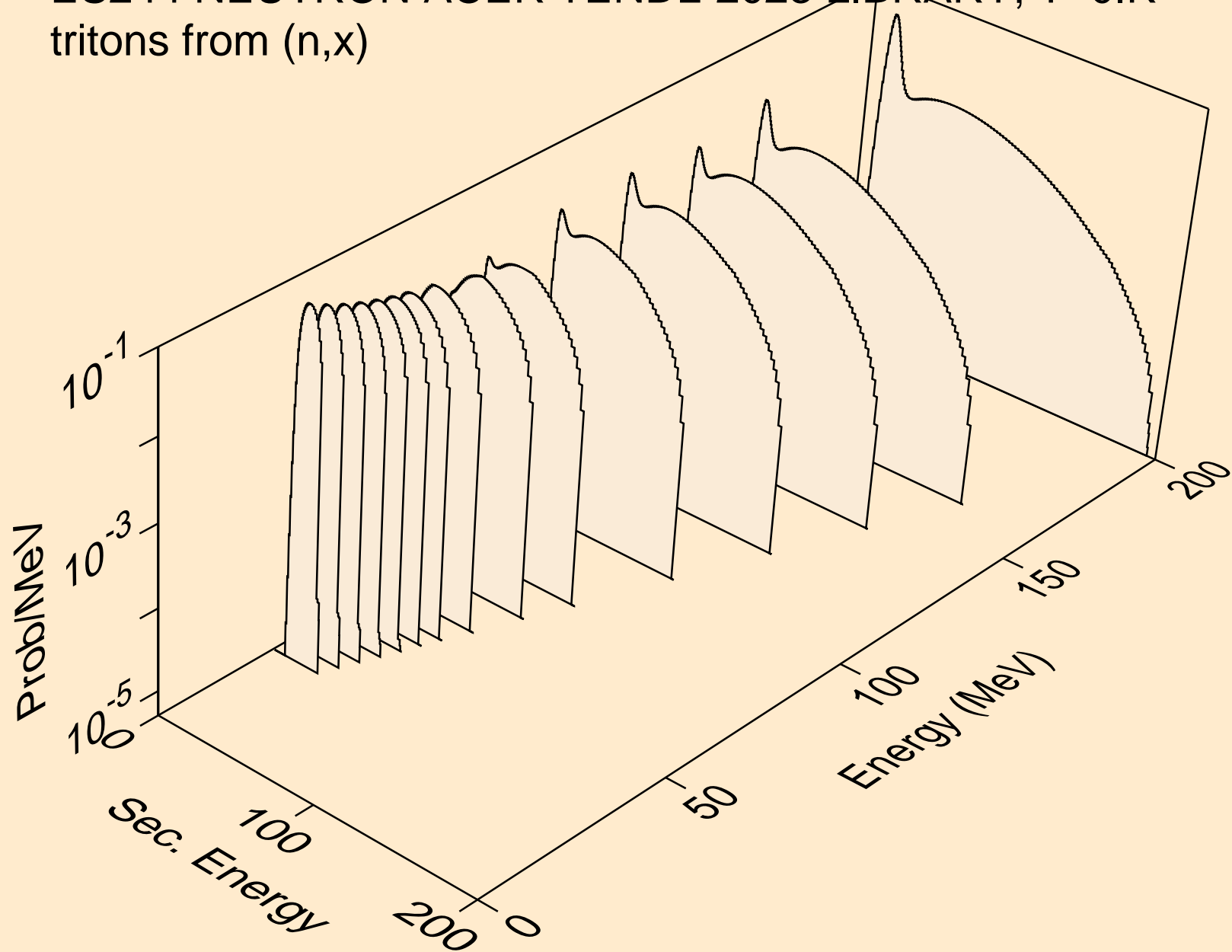
ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,d)



ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,pd)

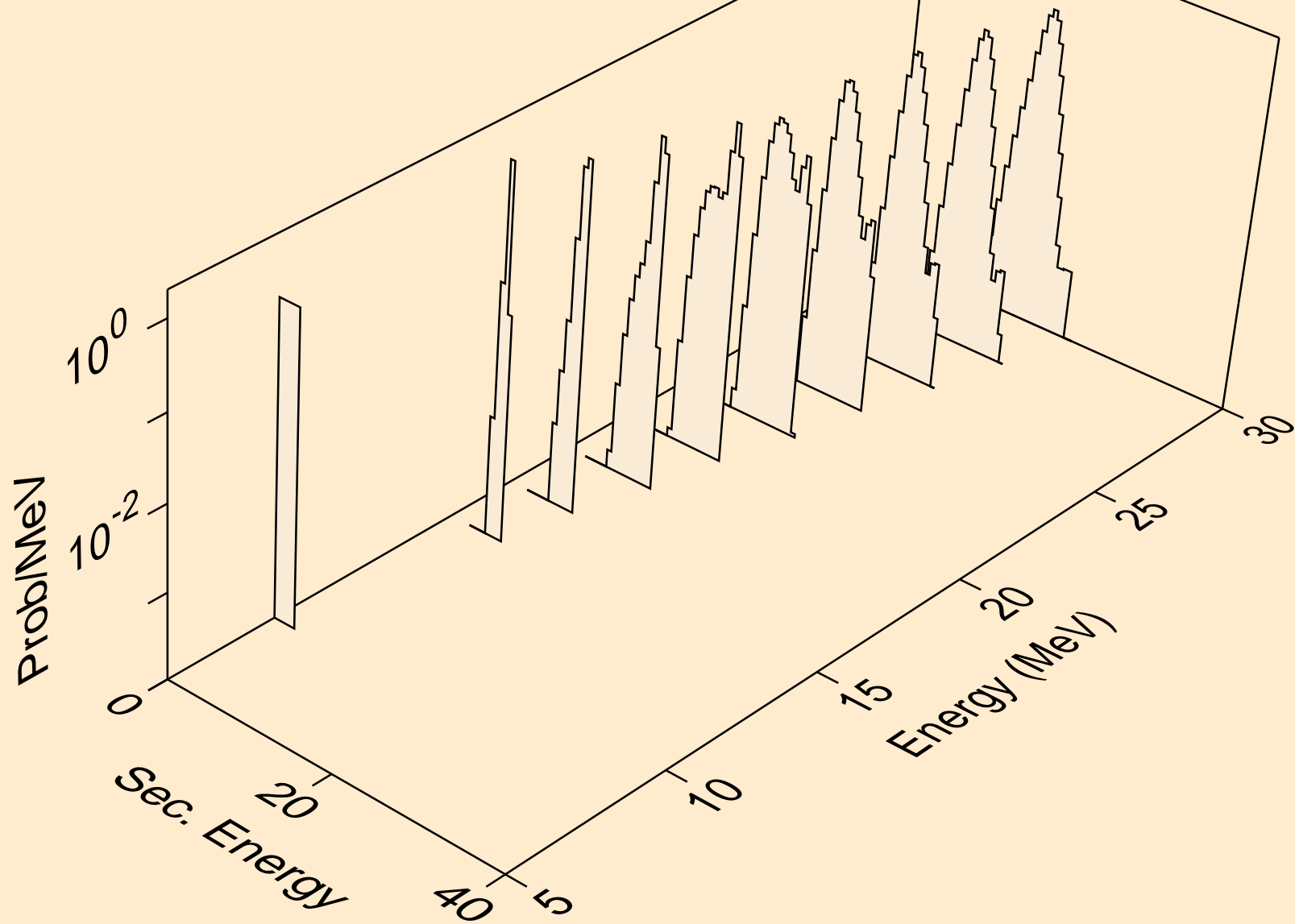


ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,x)

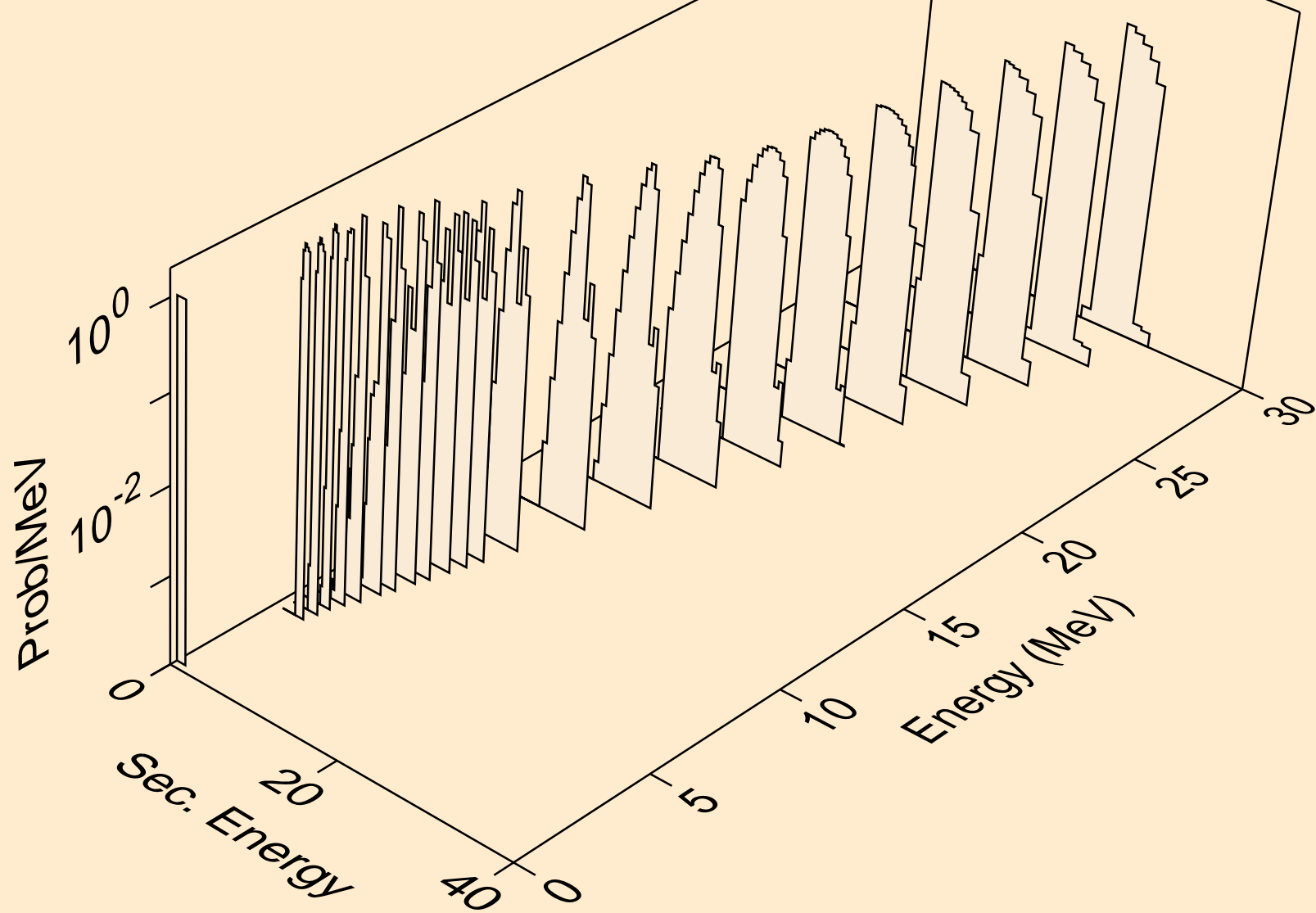




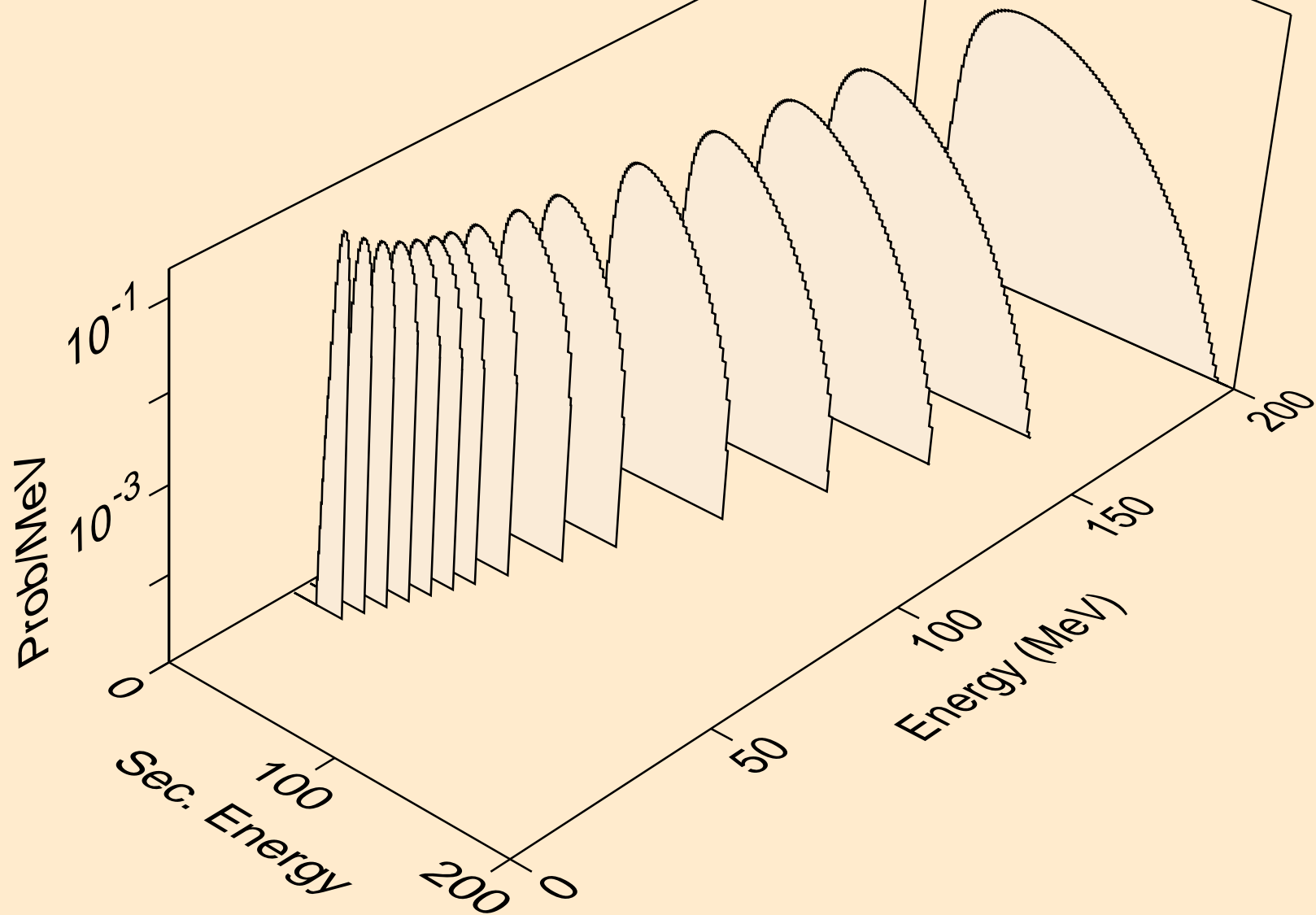
ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,n\*)t



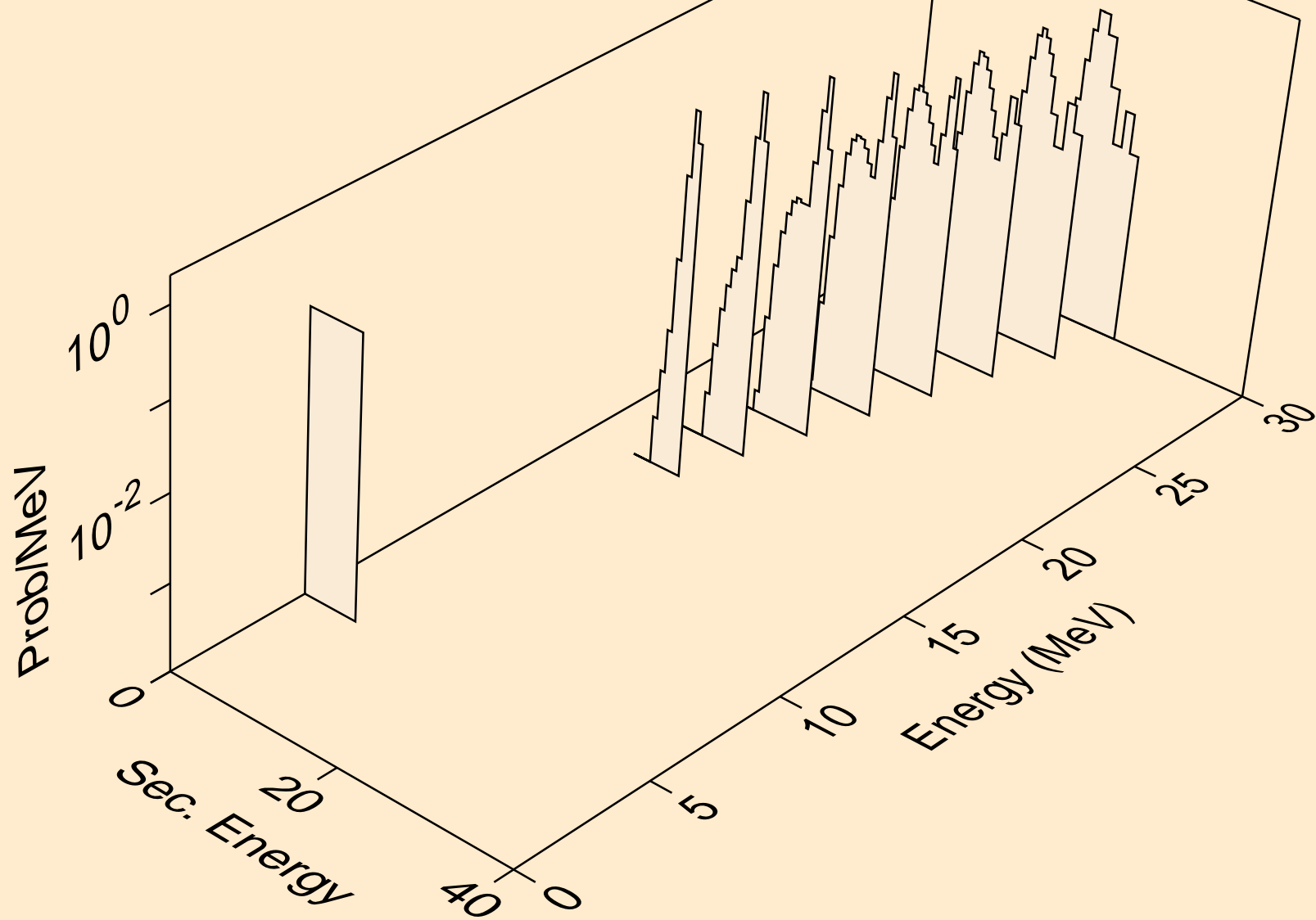
ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,t)



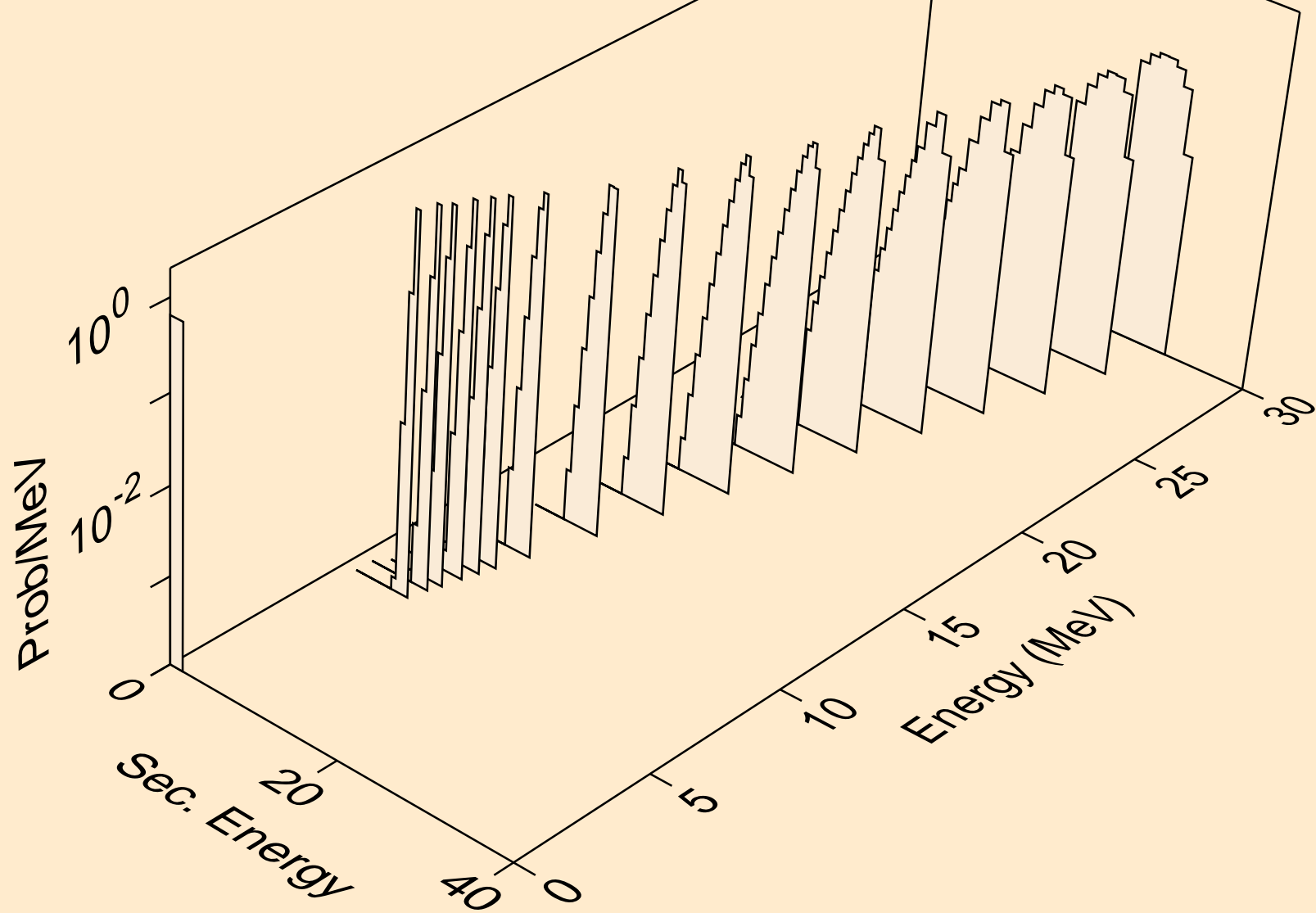
ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,x)



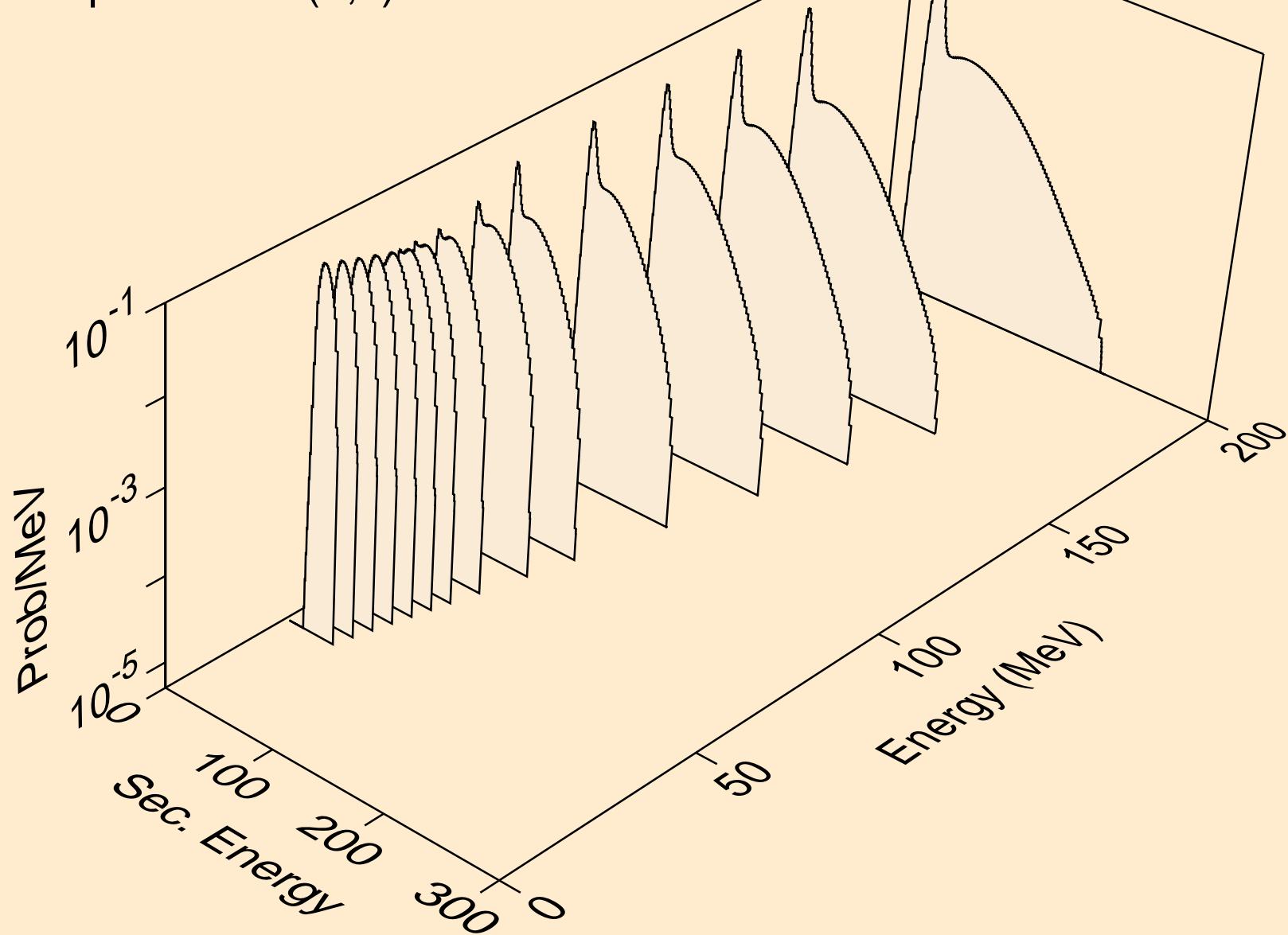
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he3s from (n,n\*)he3



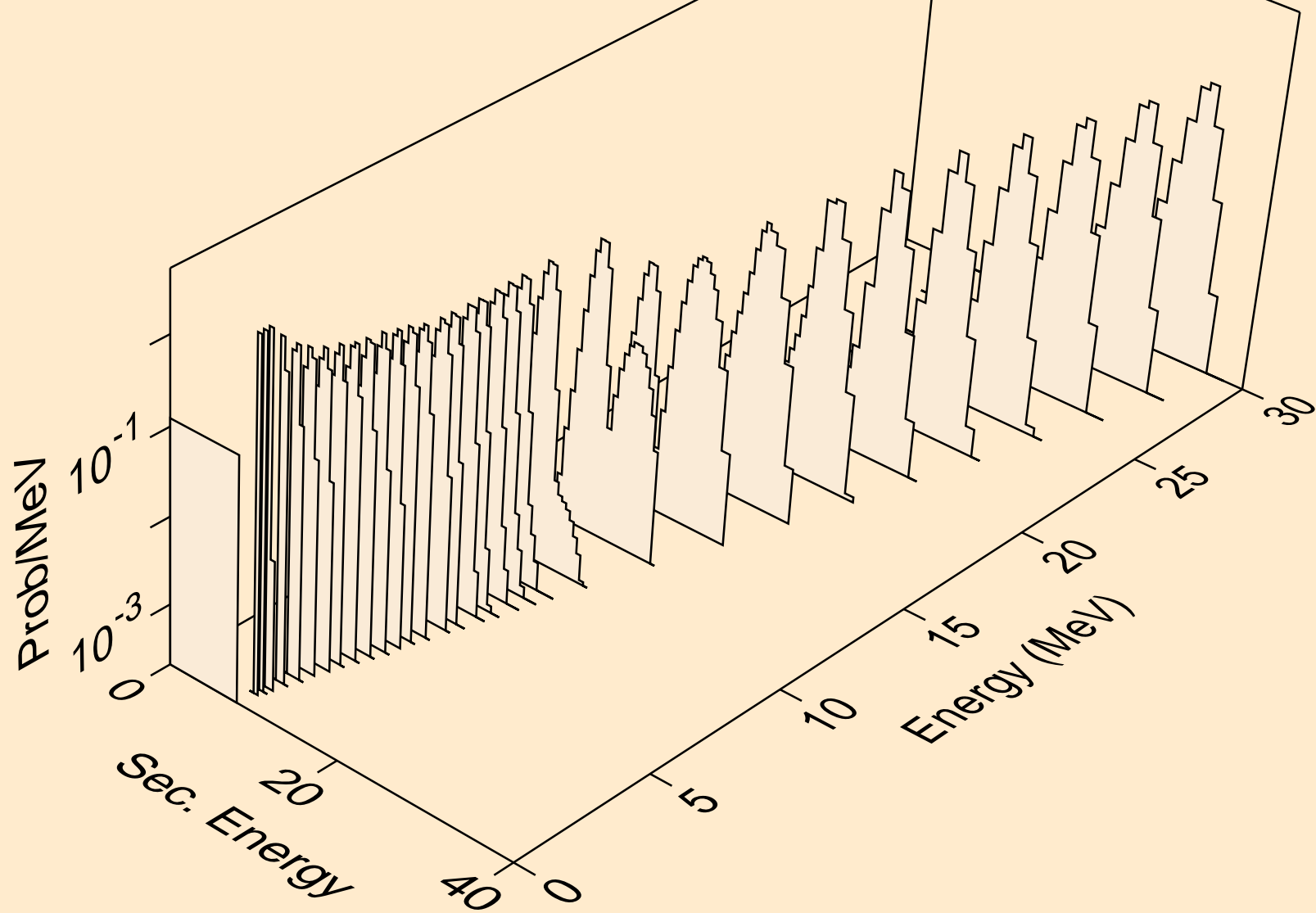
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he3s from (n,he3)



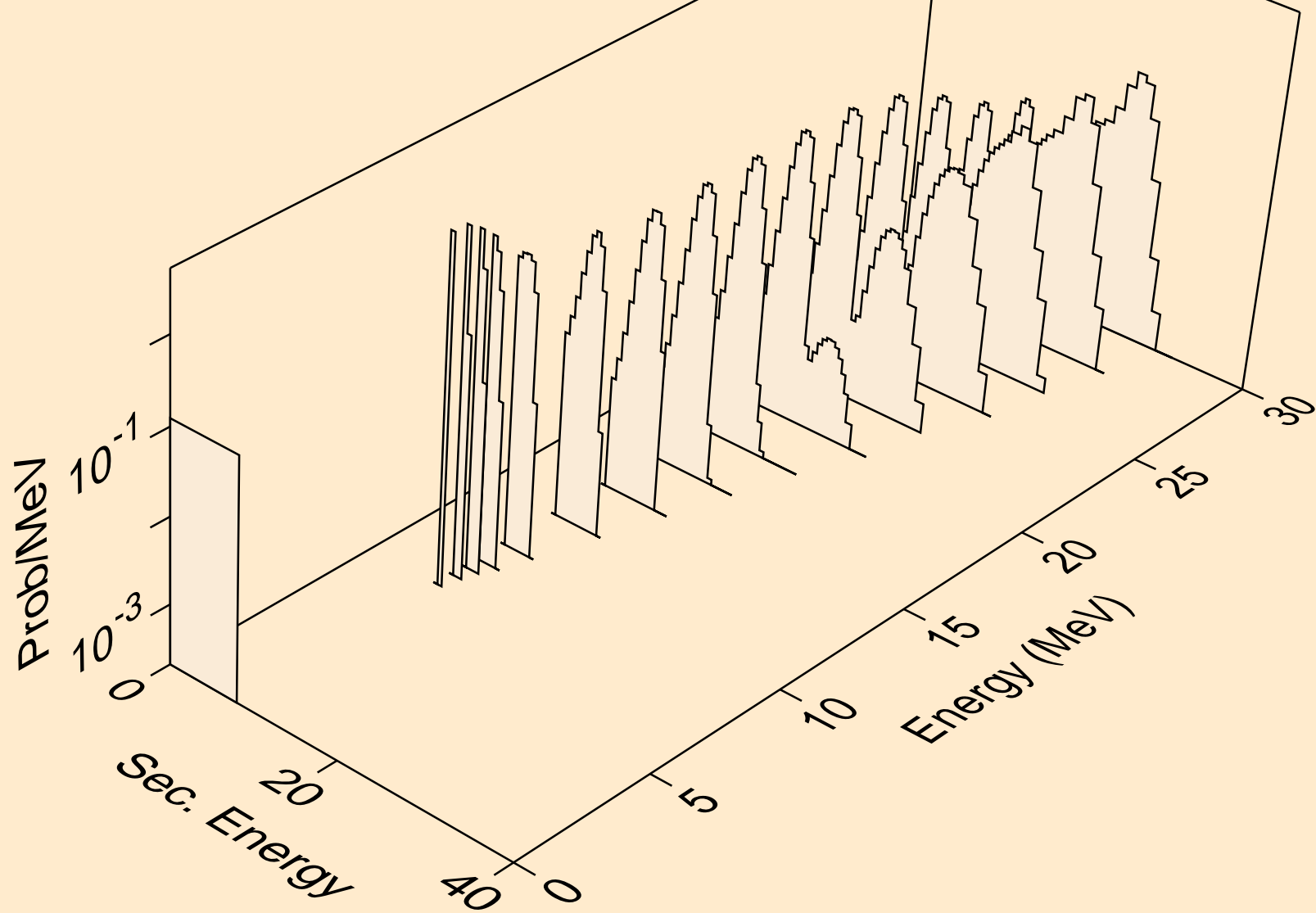
ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,x)



ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)a

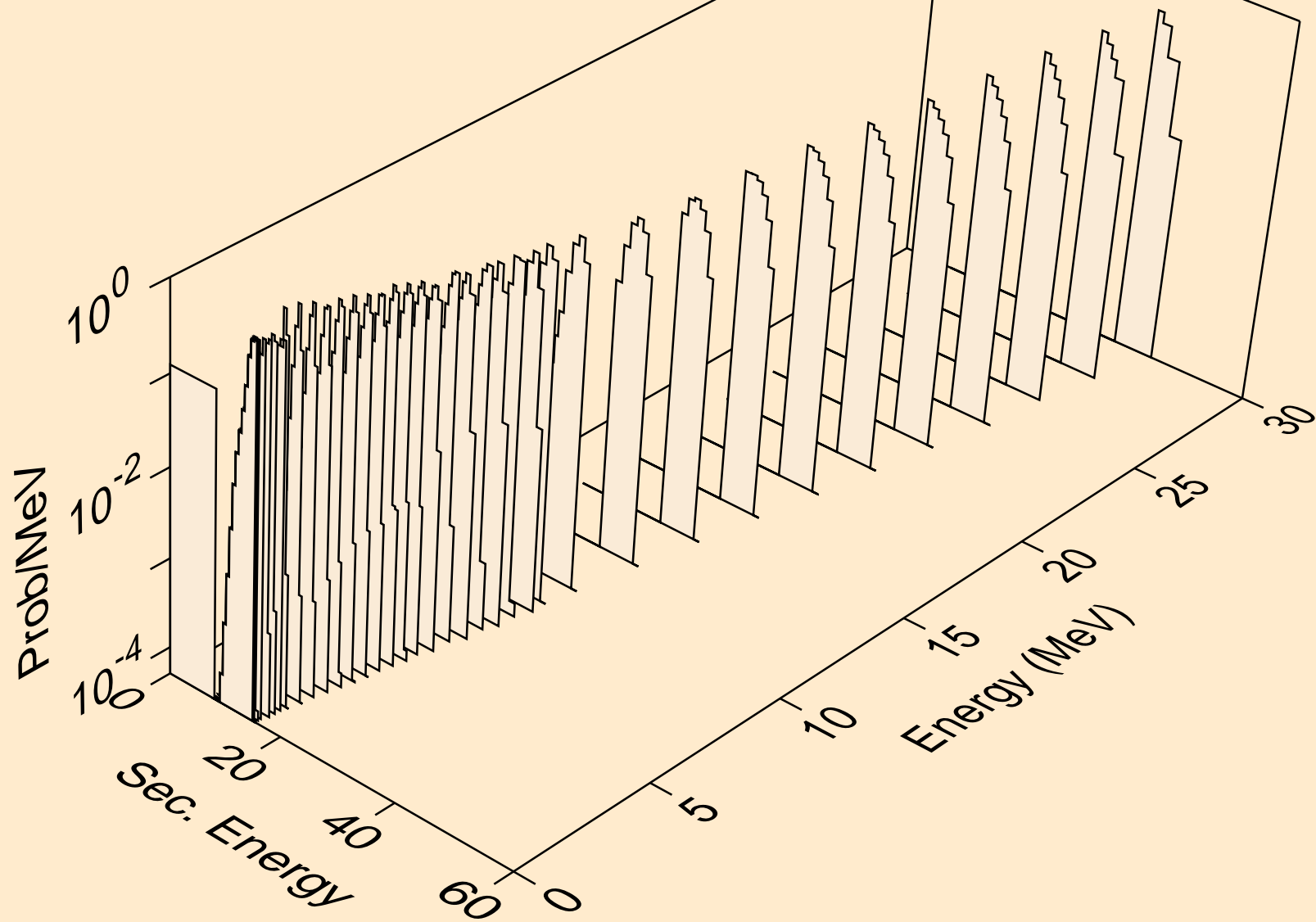


ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2n)a





ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,a)



ES244 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,pa)

