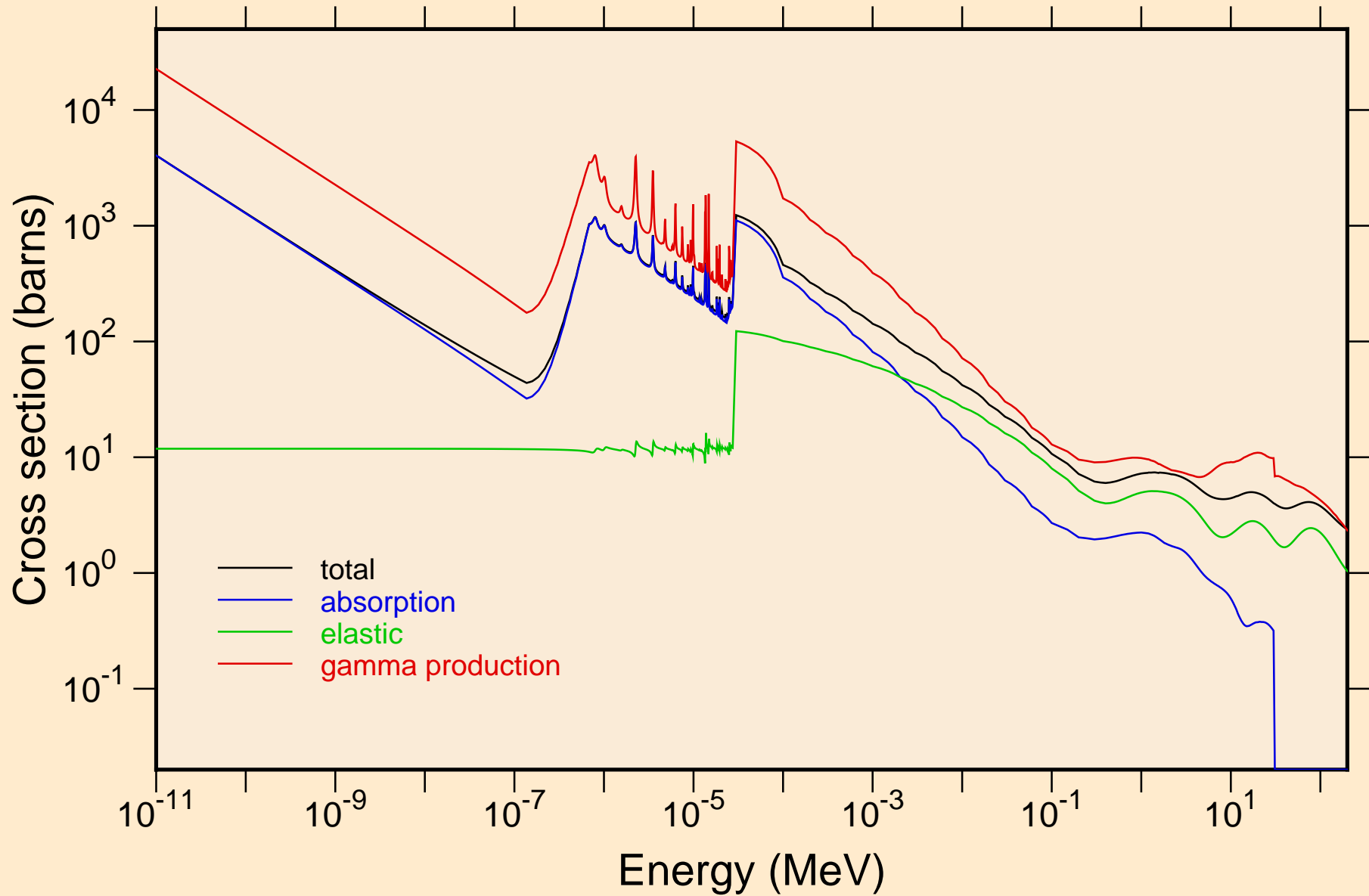
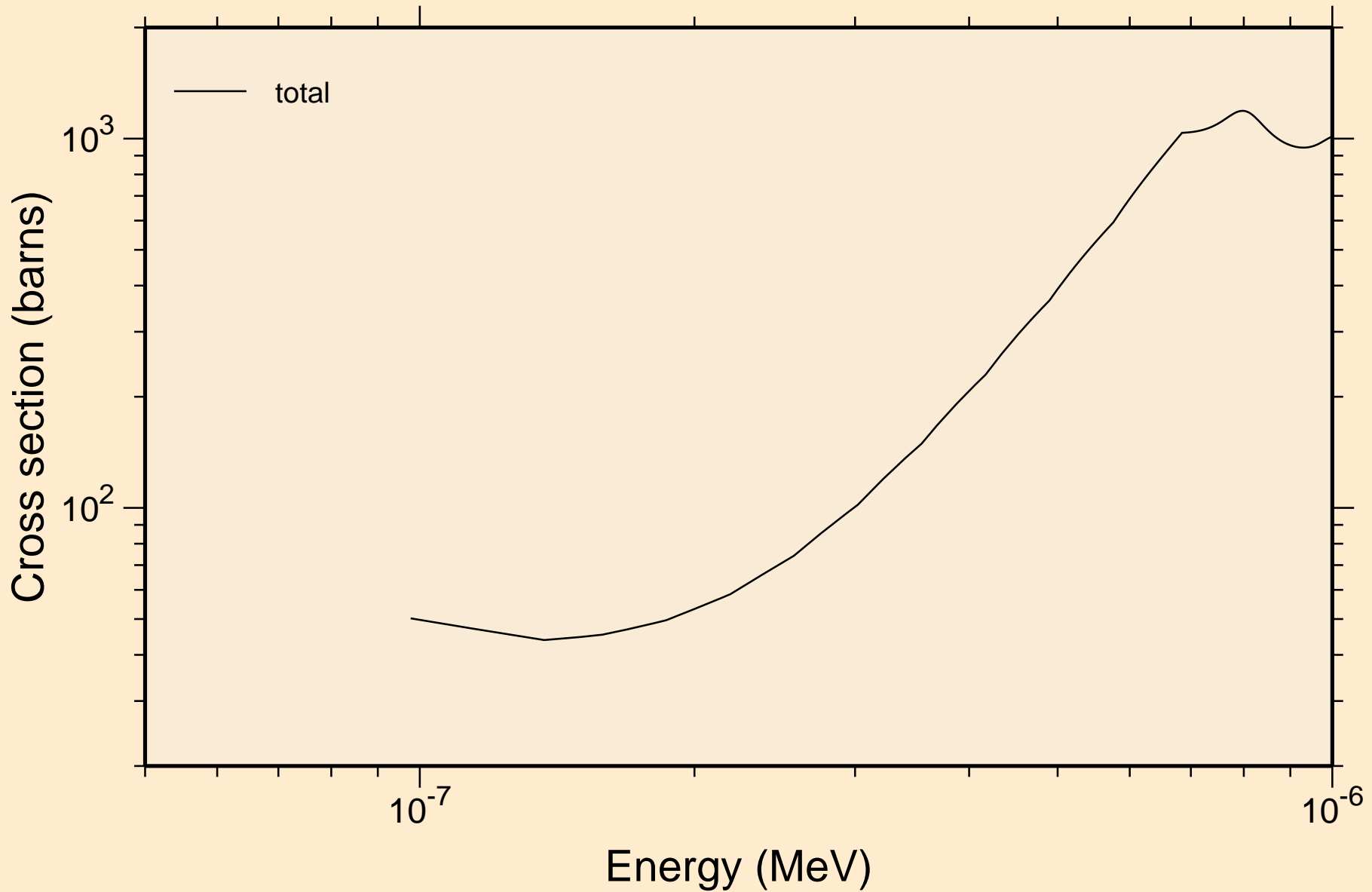


# HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

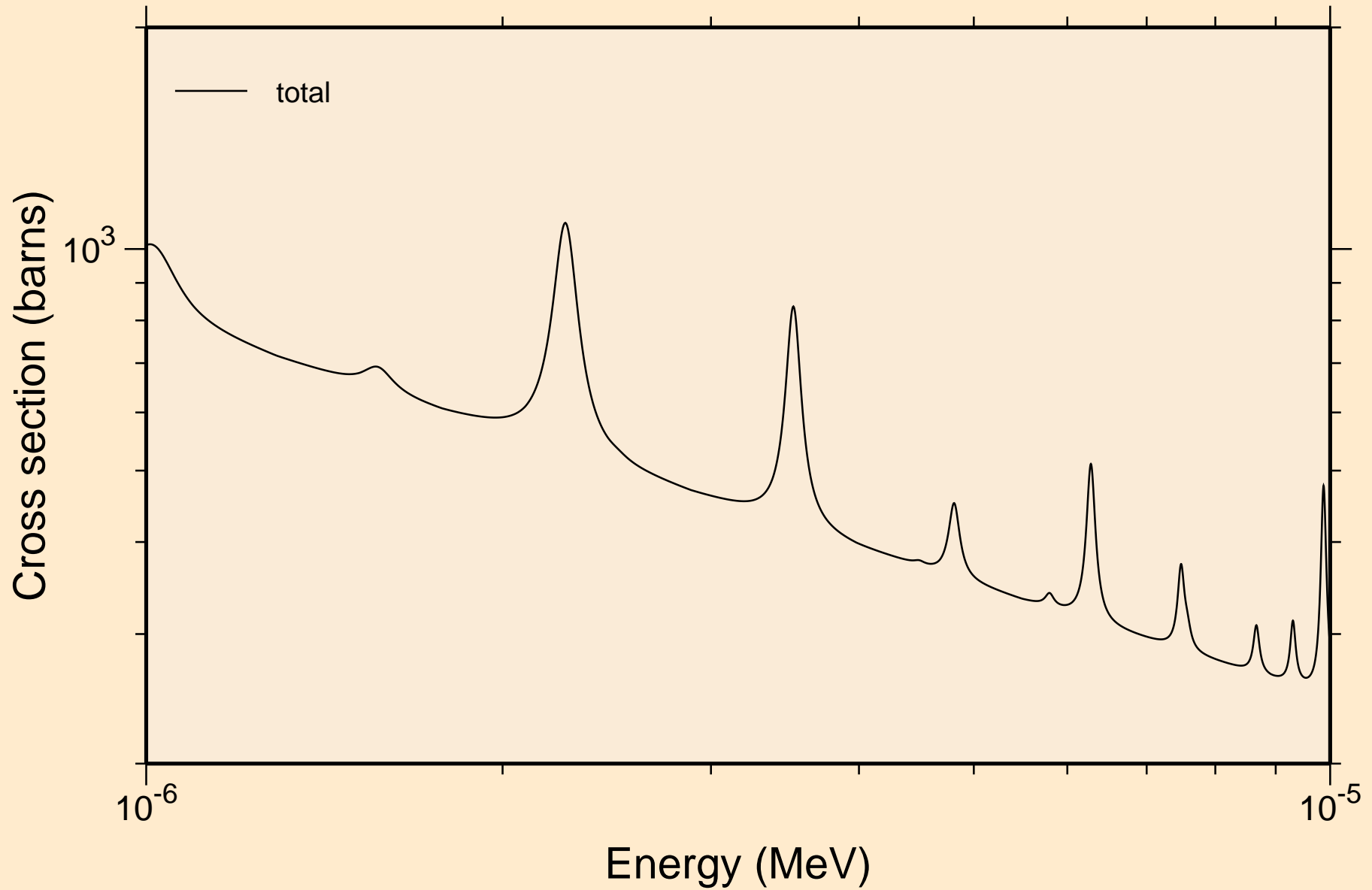
## Principal cross sections



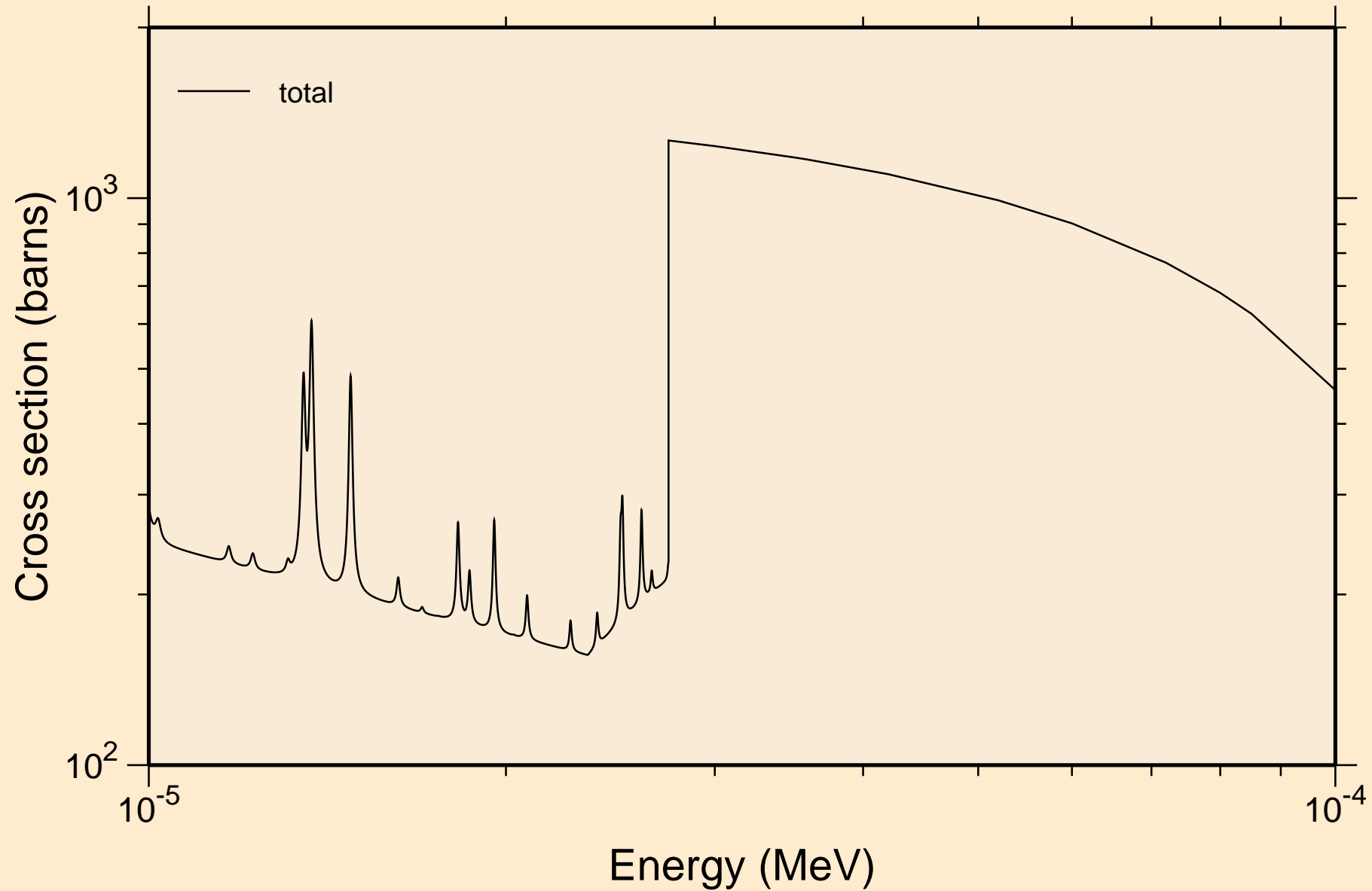
HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



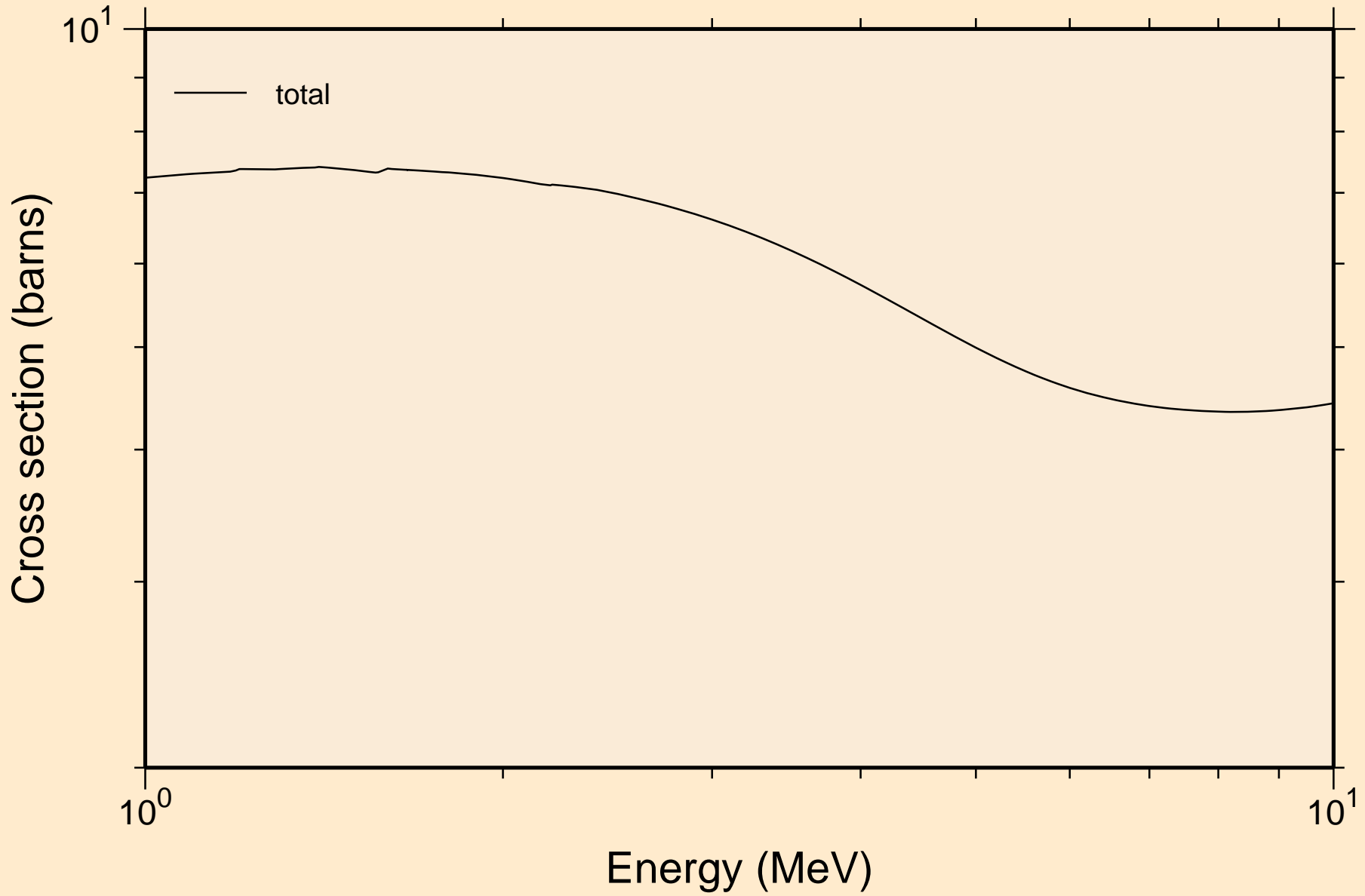
HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



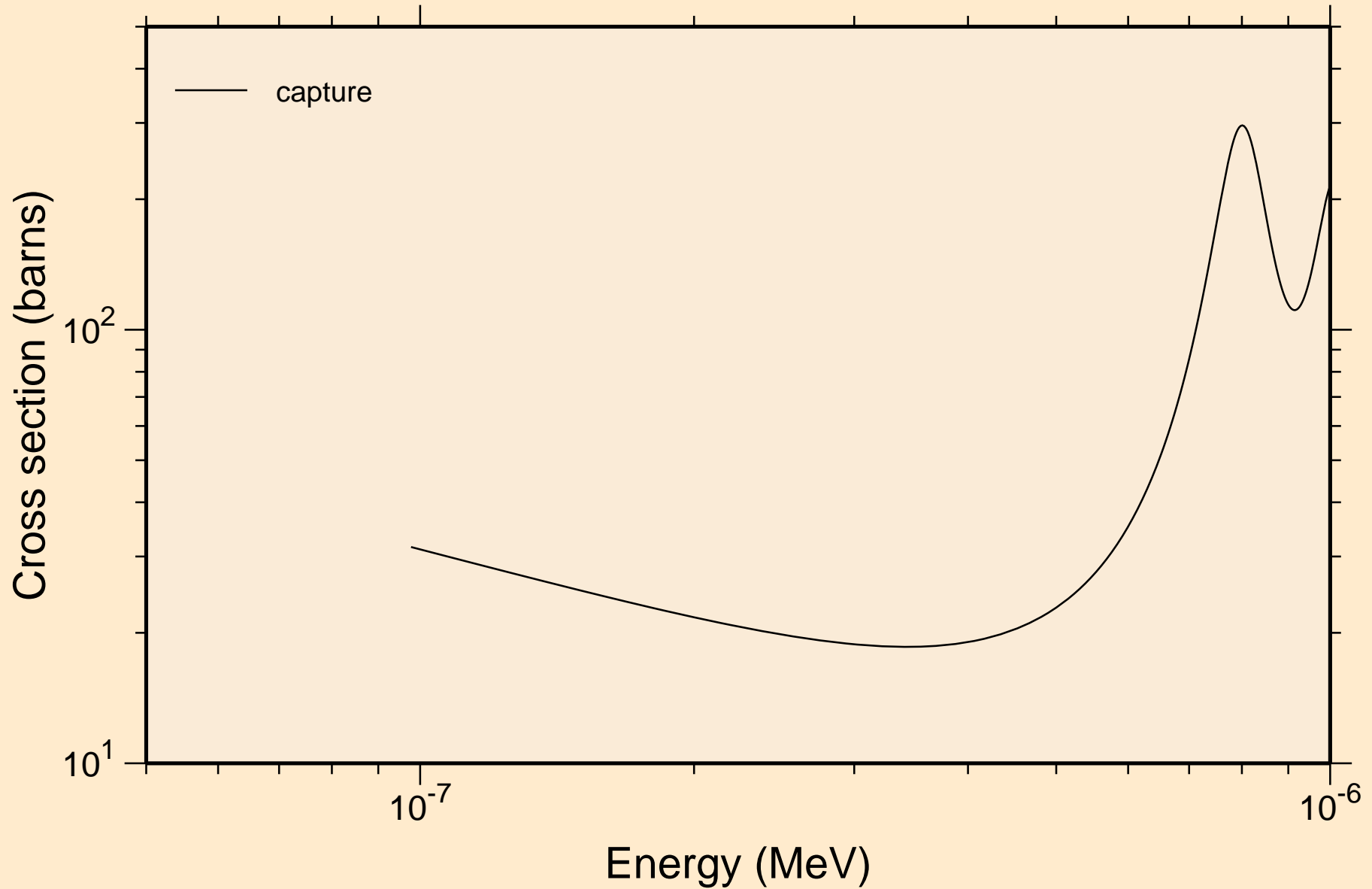
HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



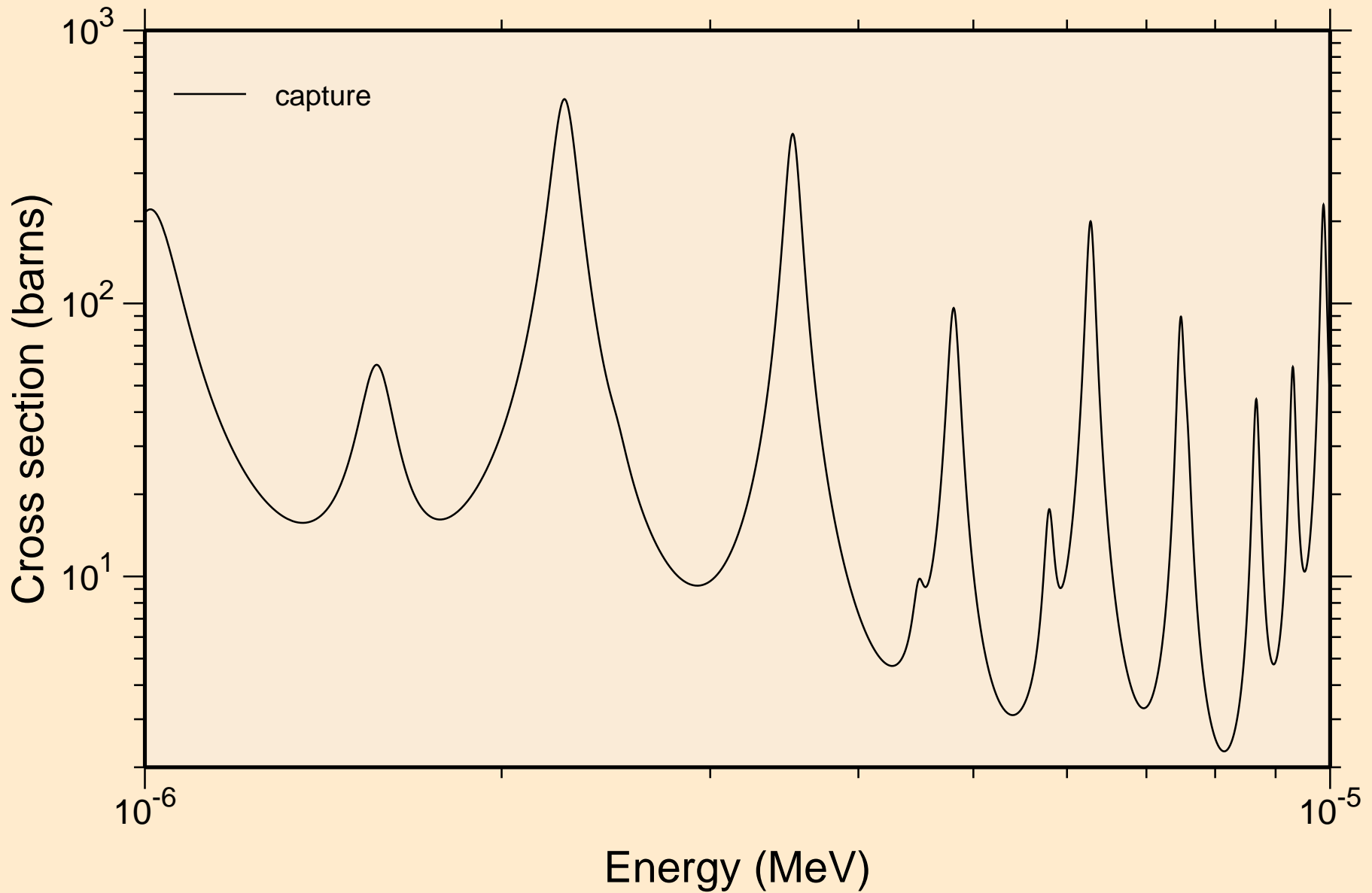
HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



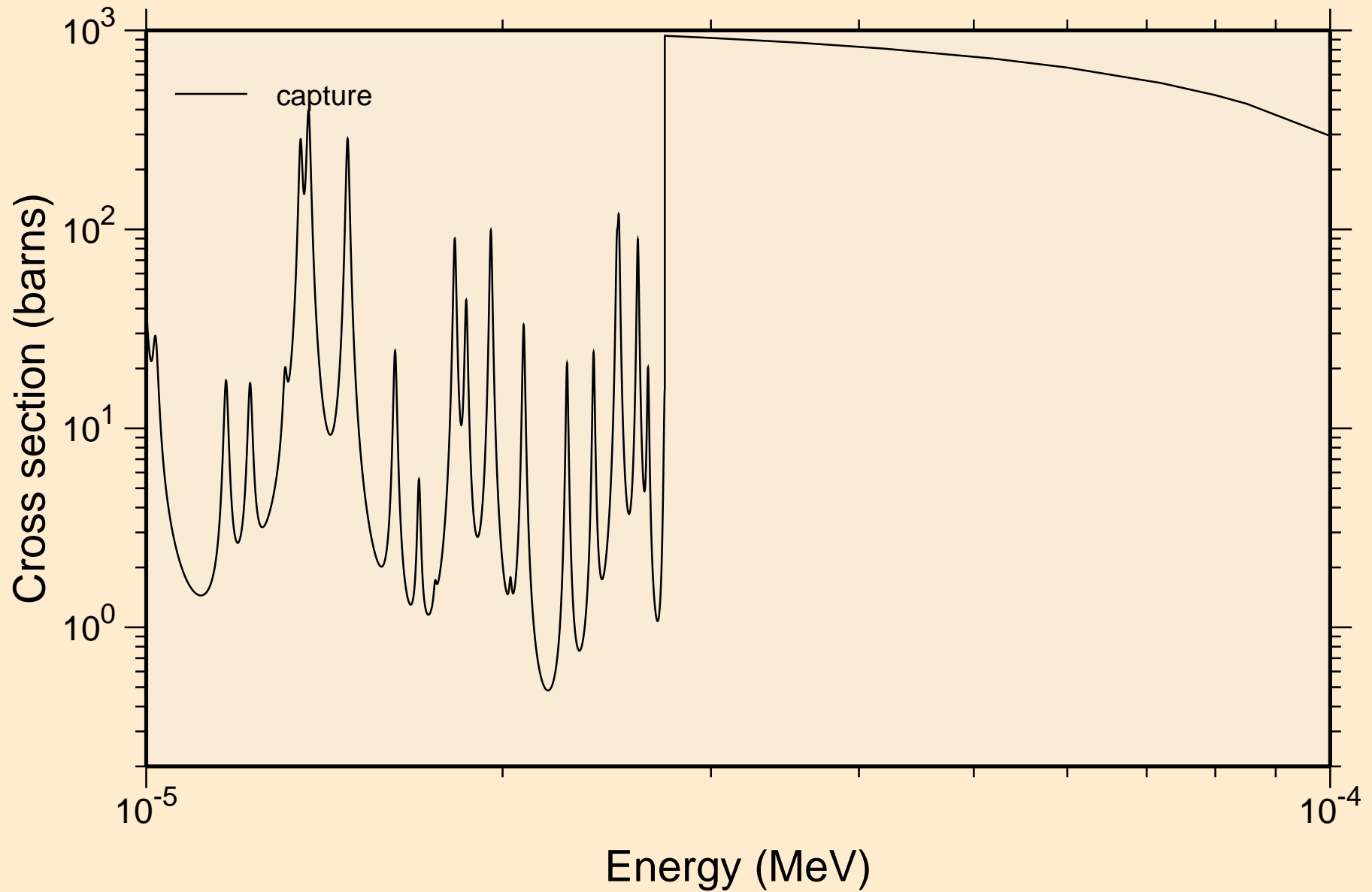
HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections

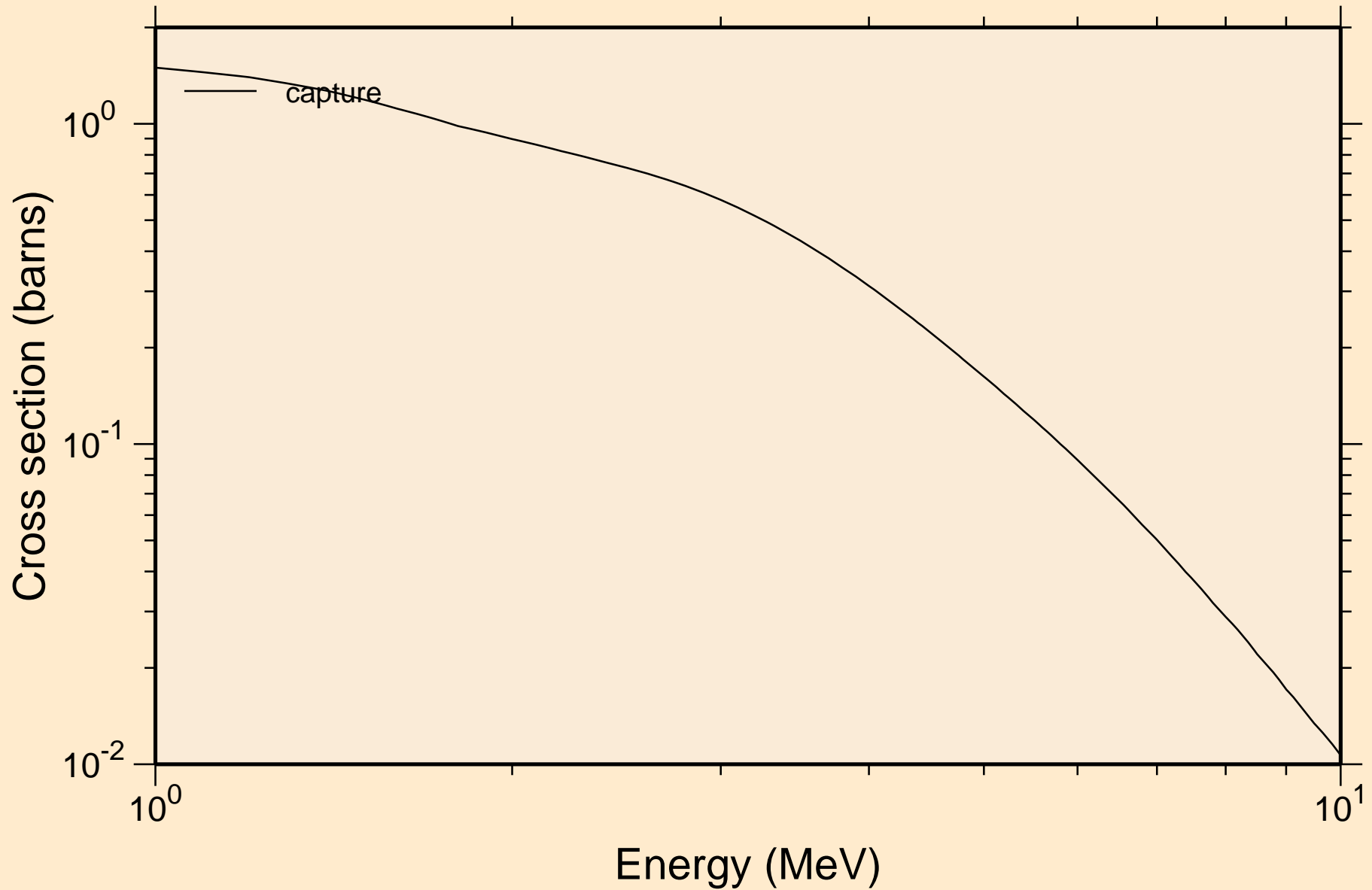


HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



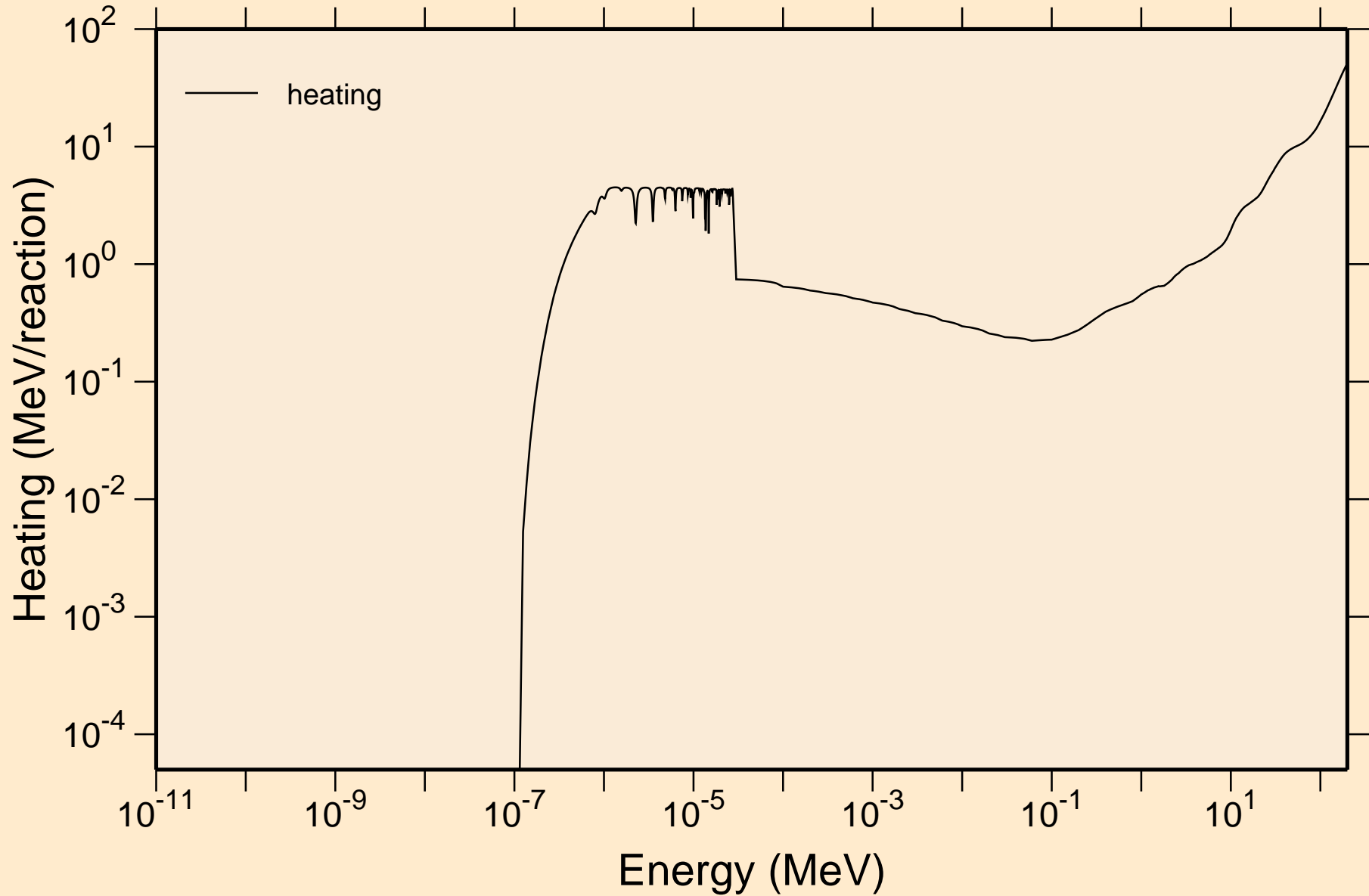


HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



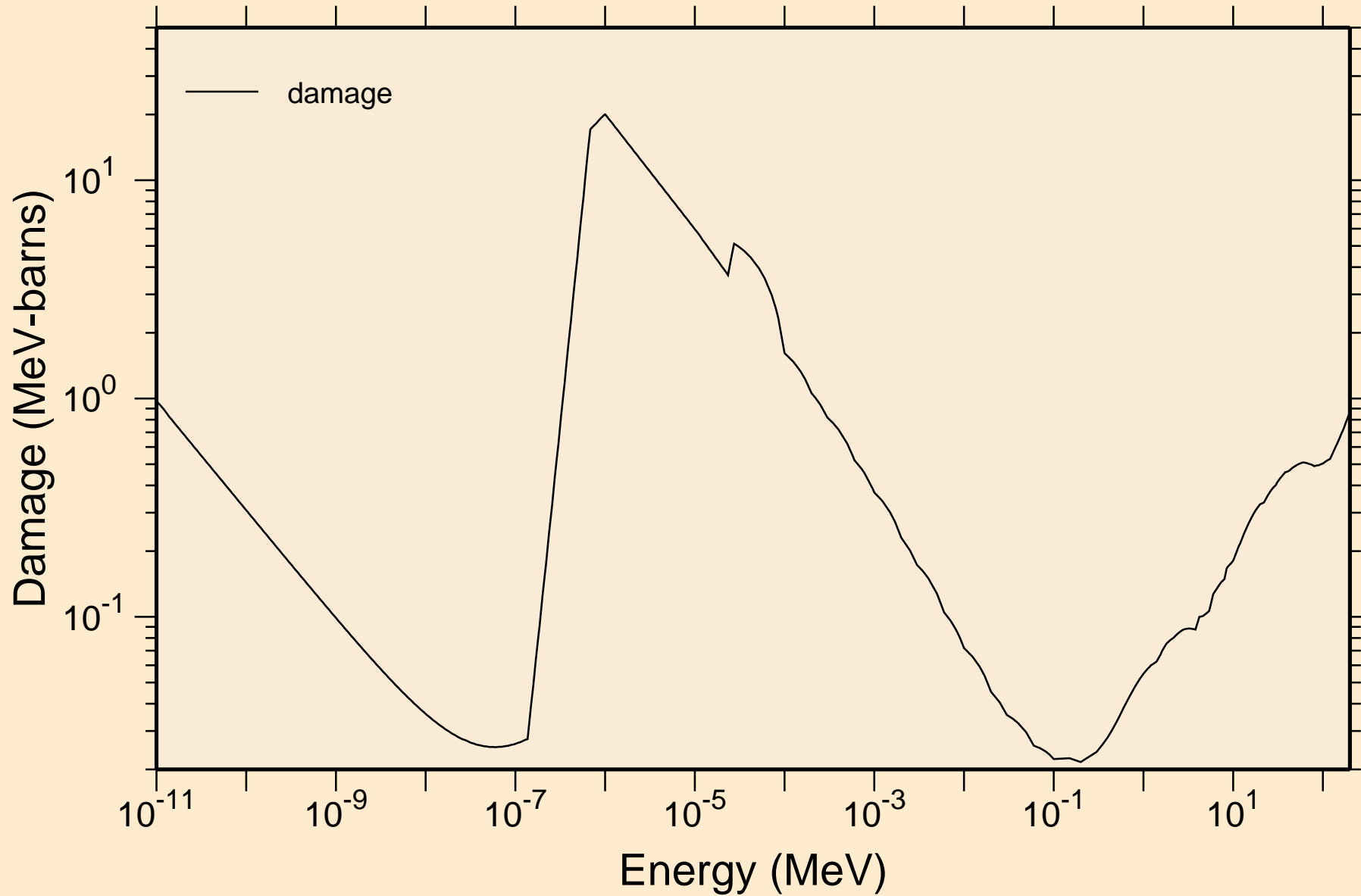
# HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Heating



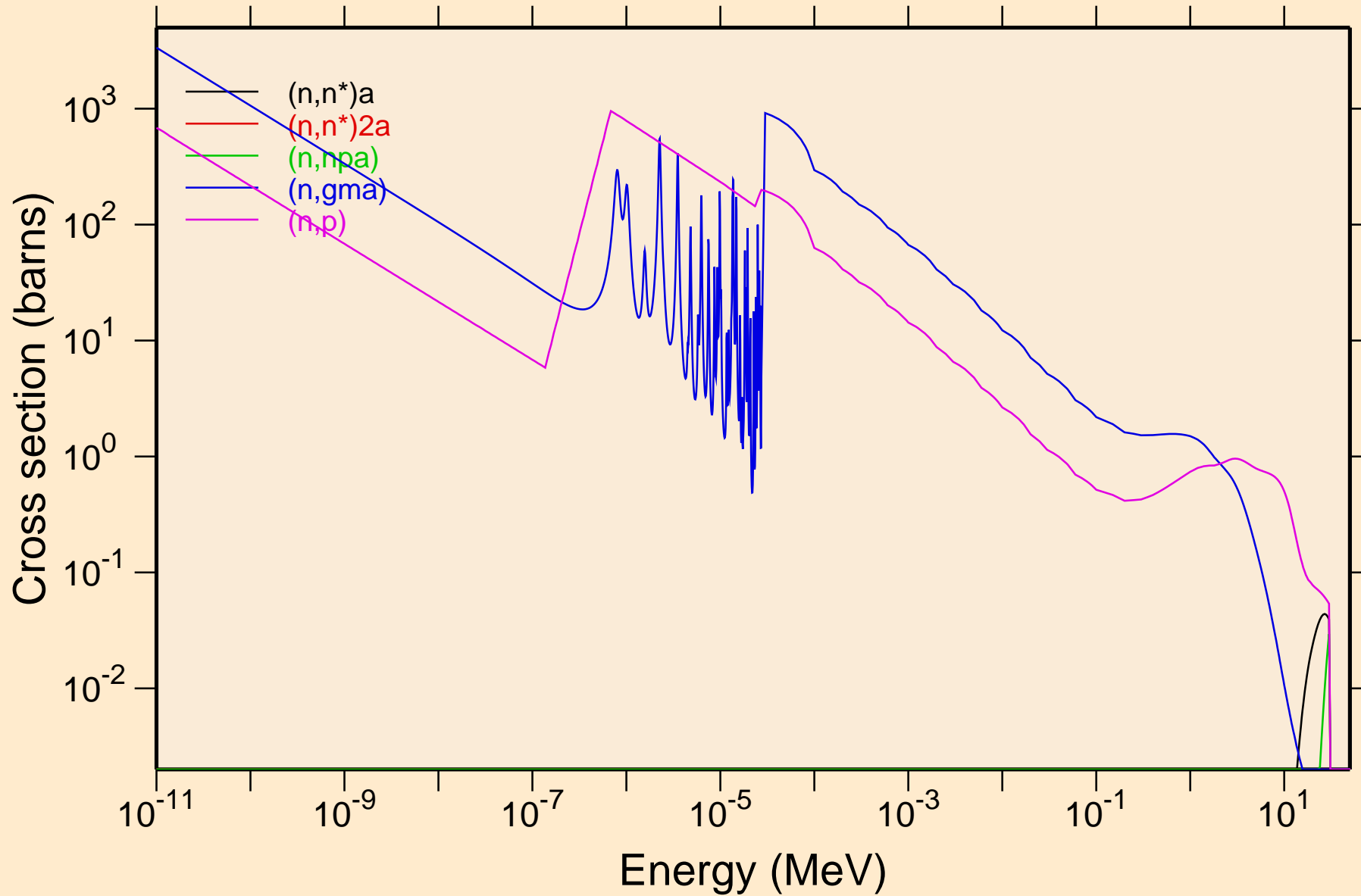
# HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Damage



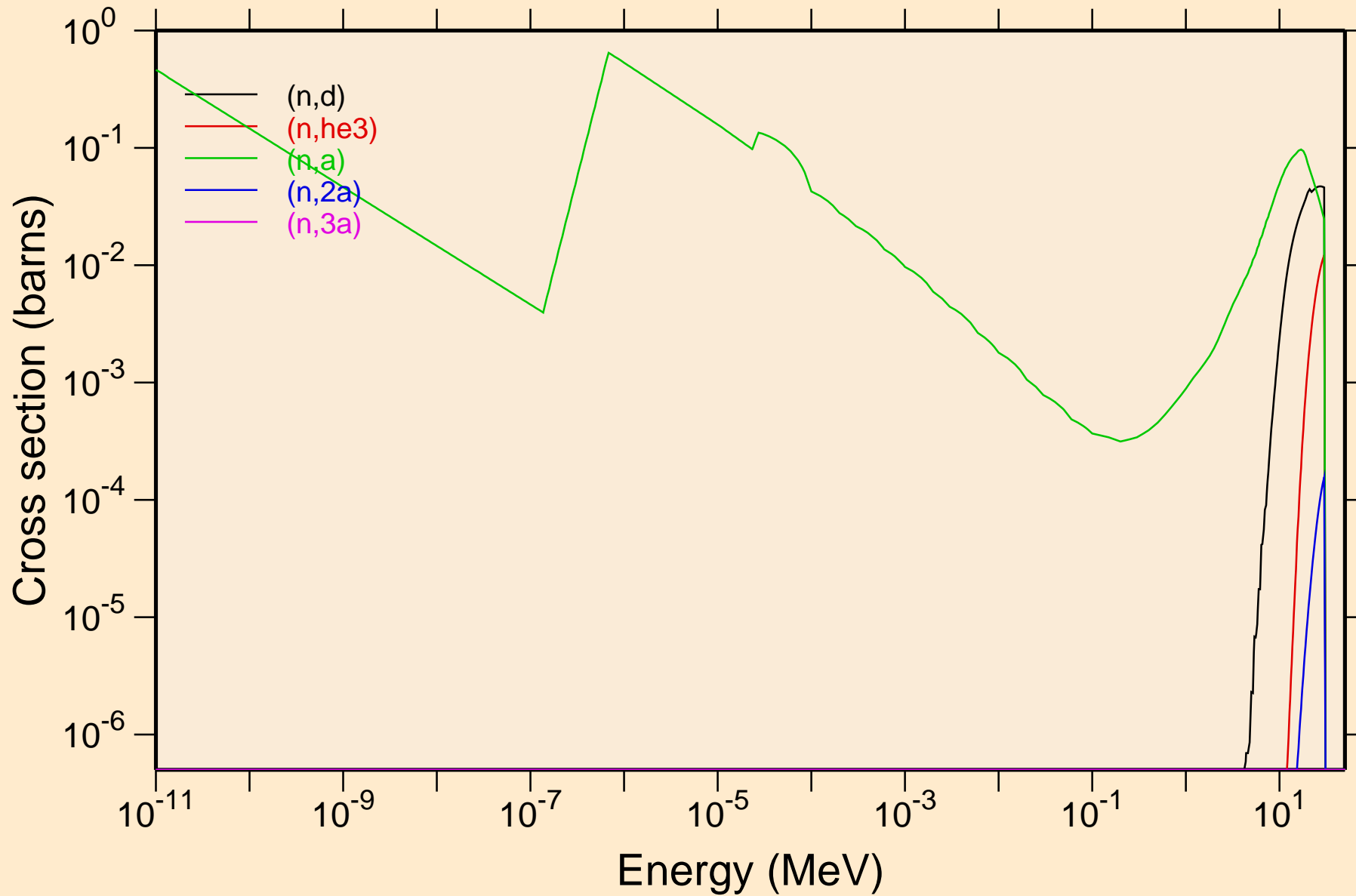
# HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Non-threshold reactions



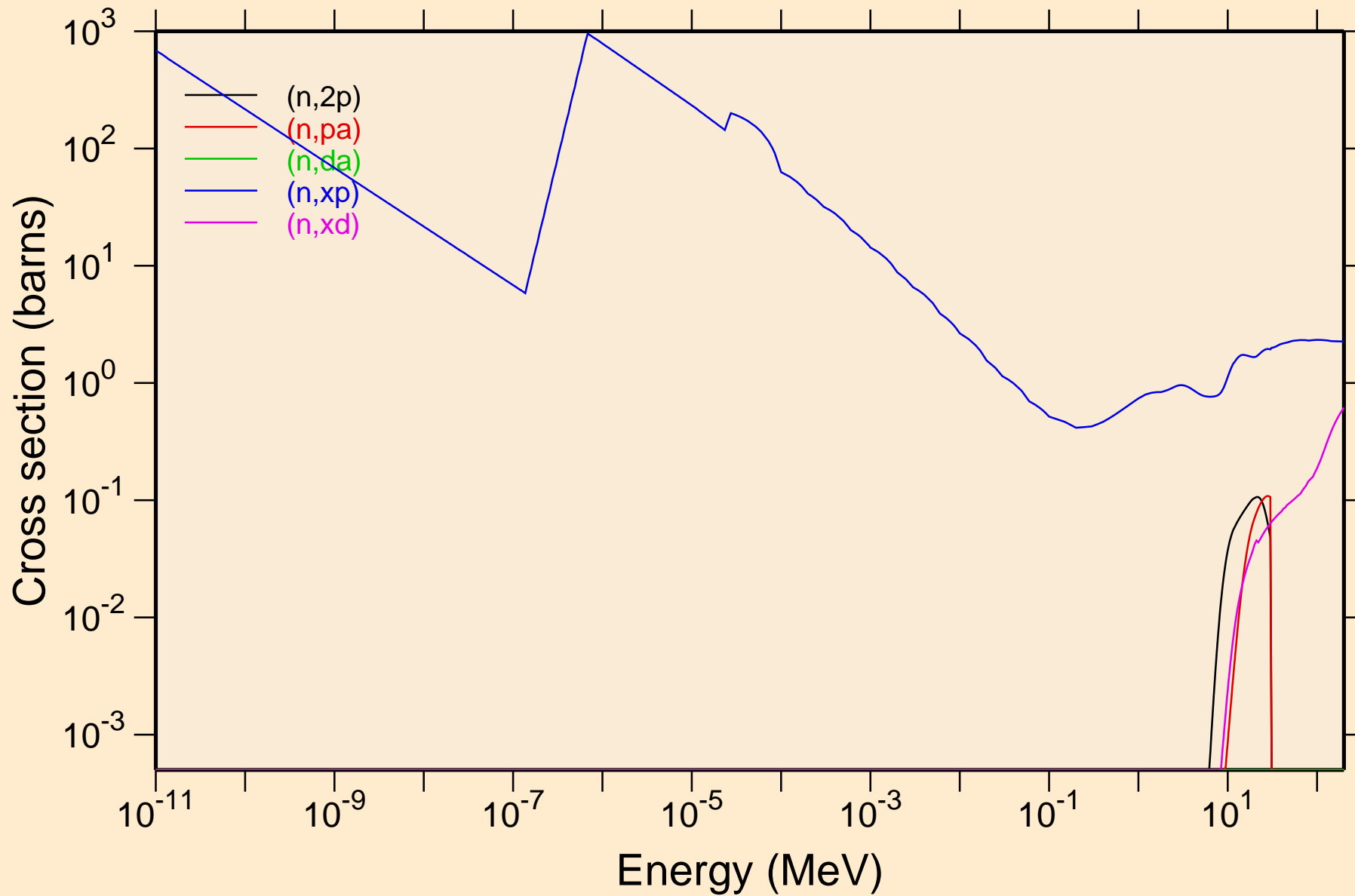
# HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Non-threshold reactions

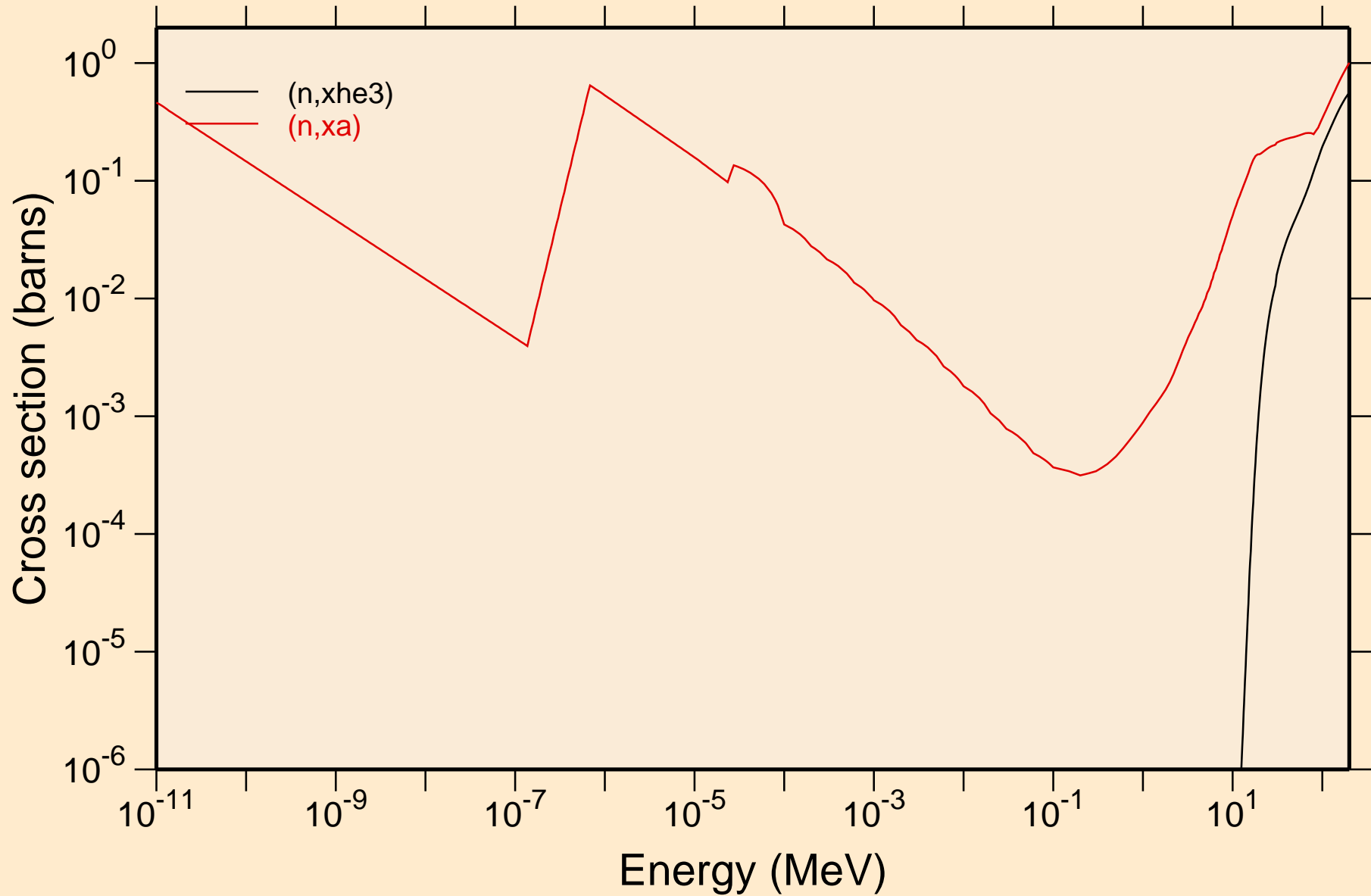


# HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Non-threshold reactions

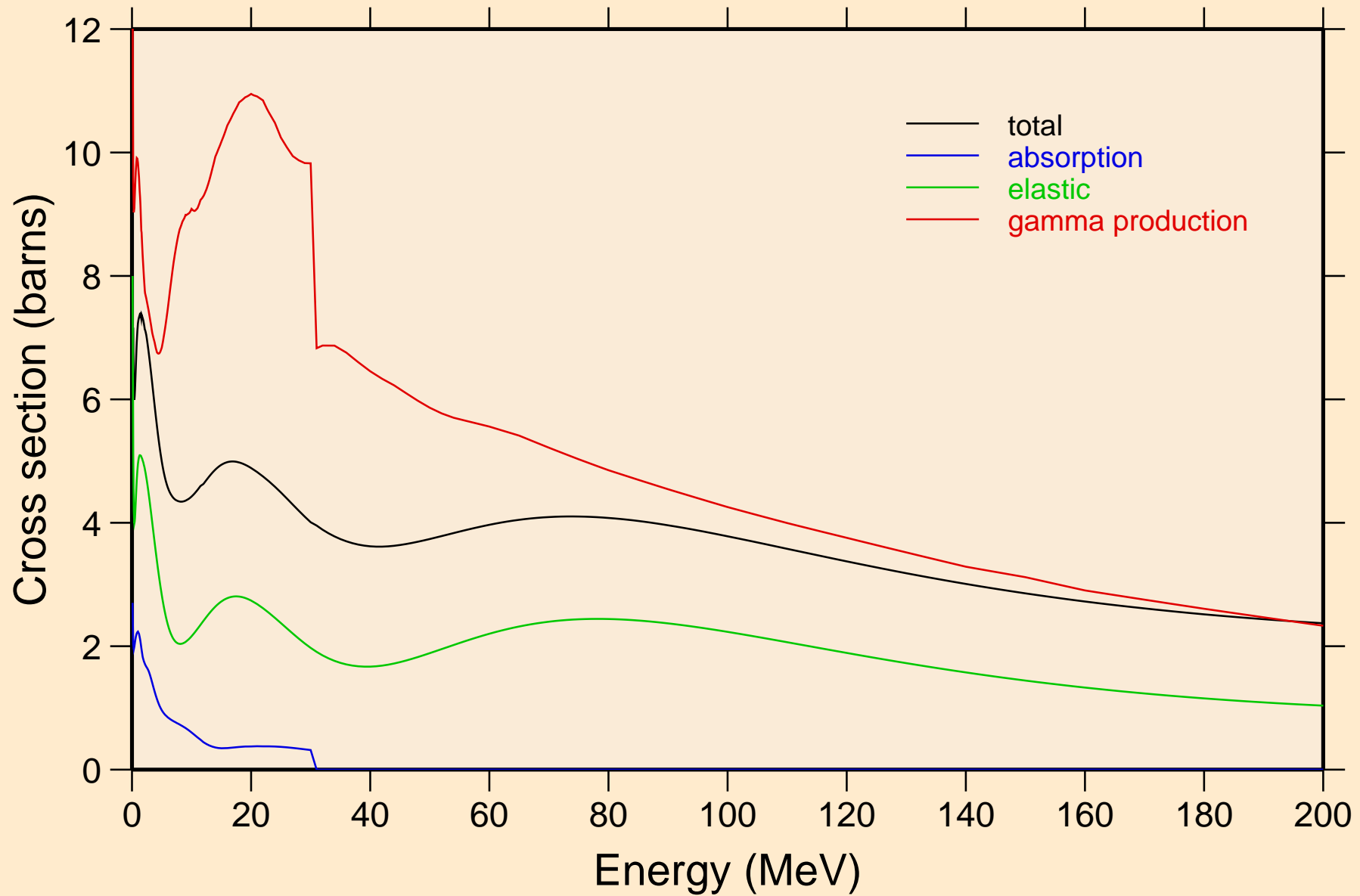


HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



# HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

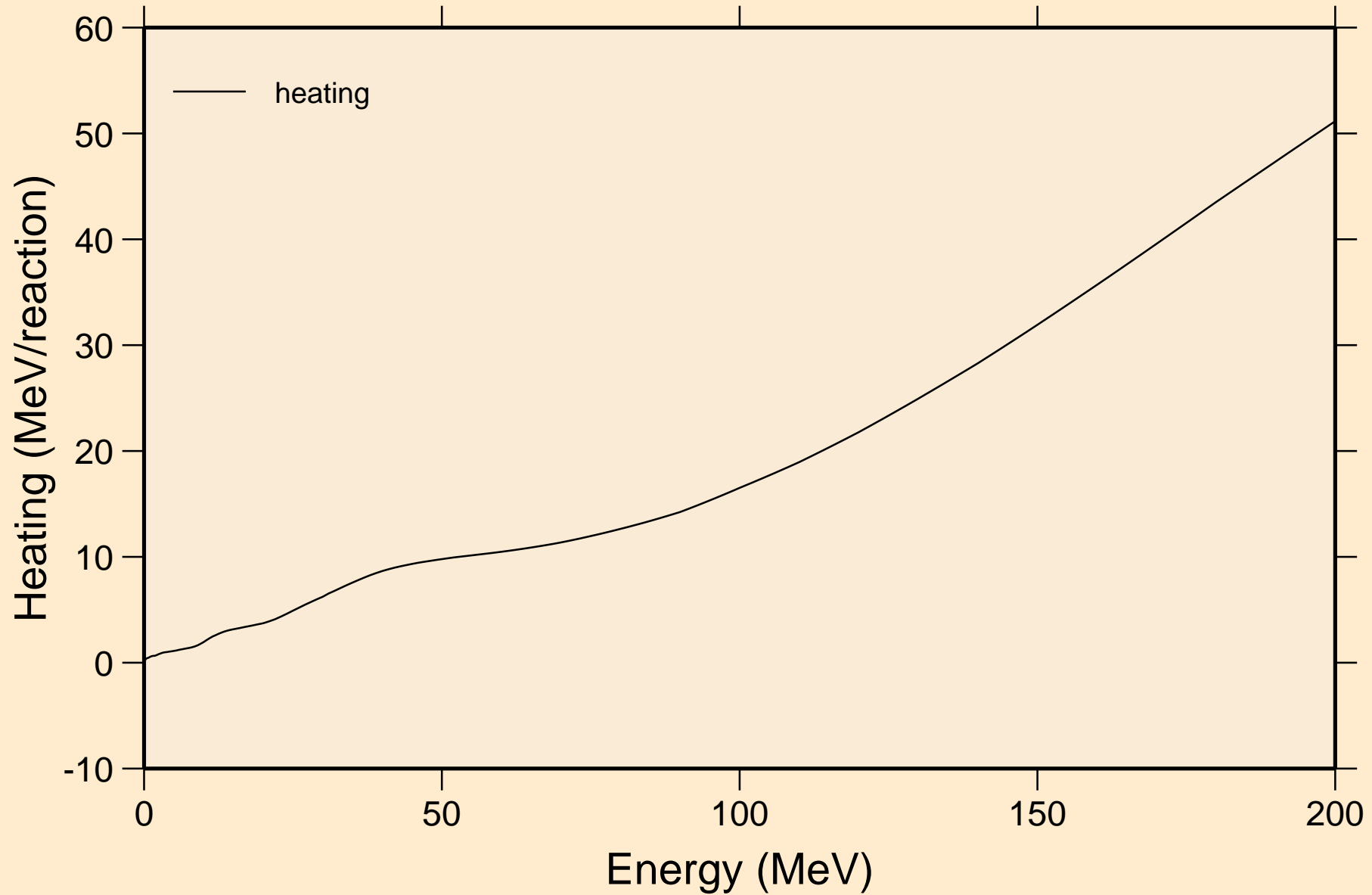
## Principal cross sections





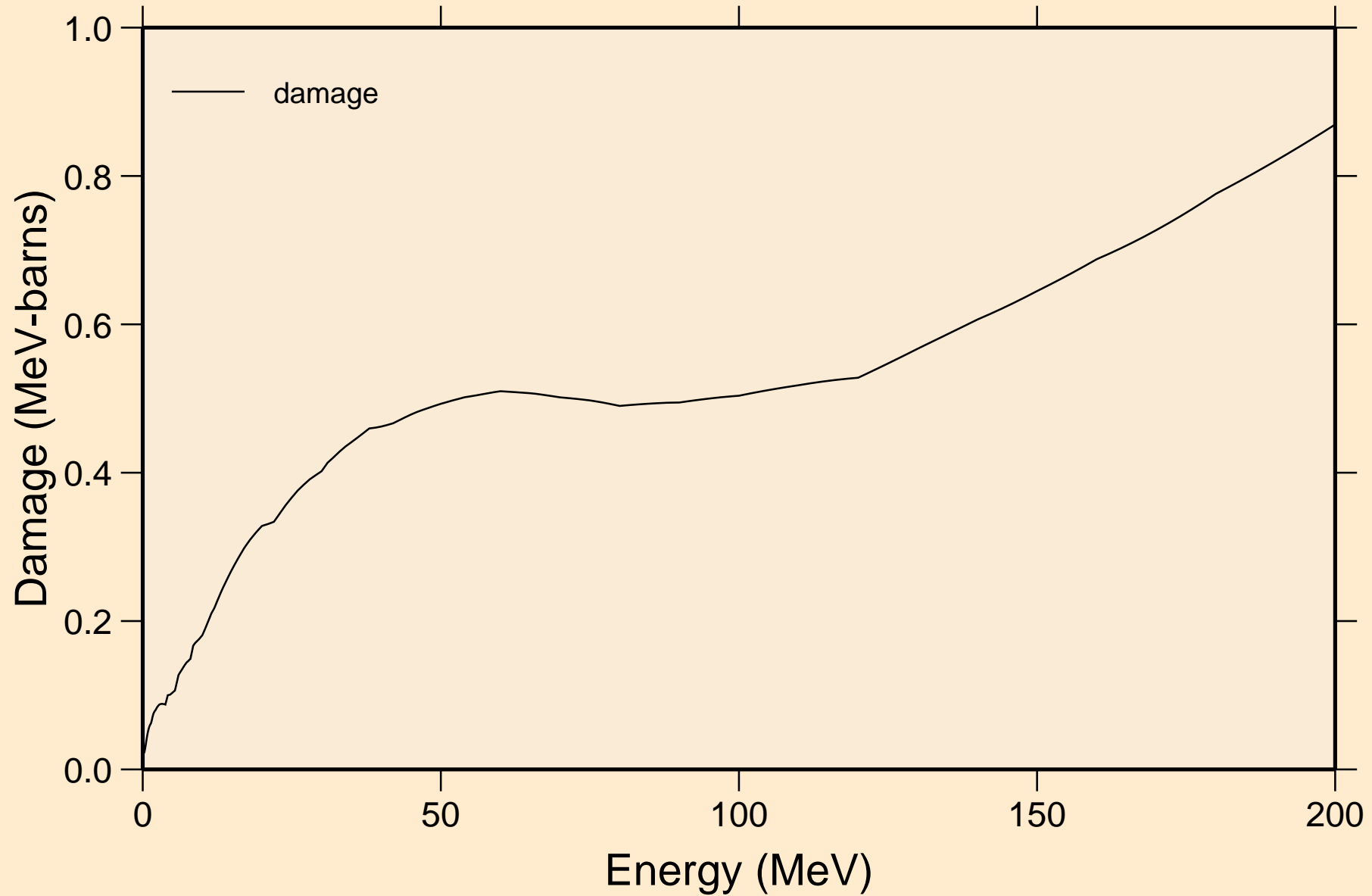
# HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Heating



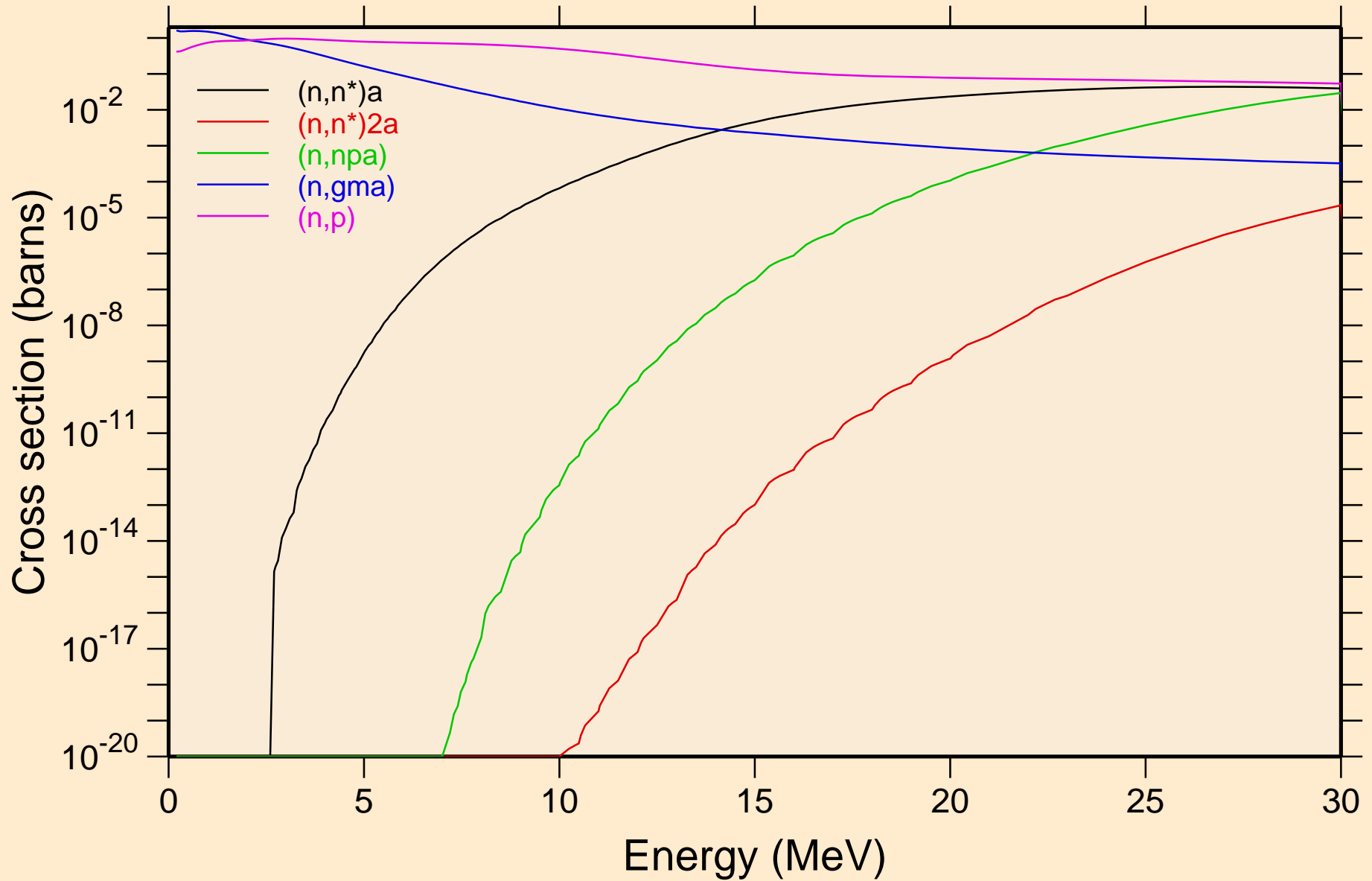
# HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Damage



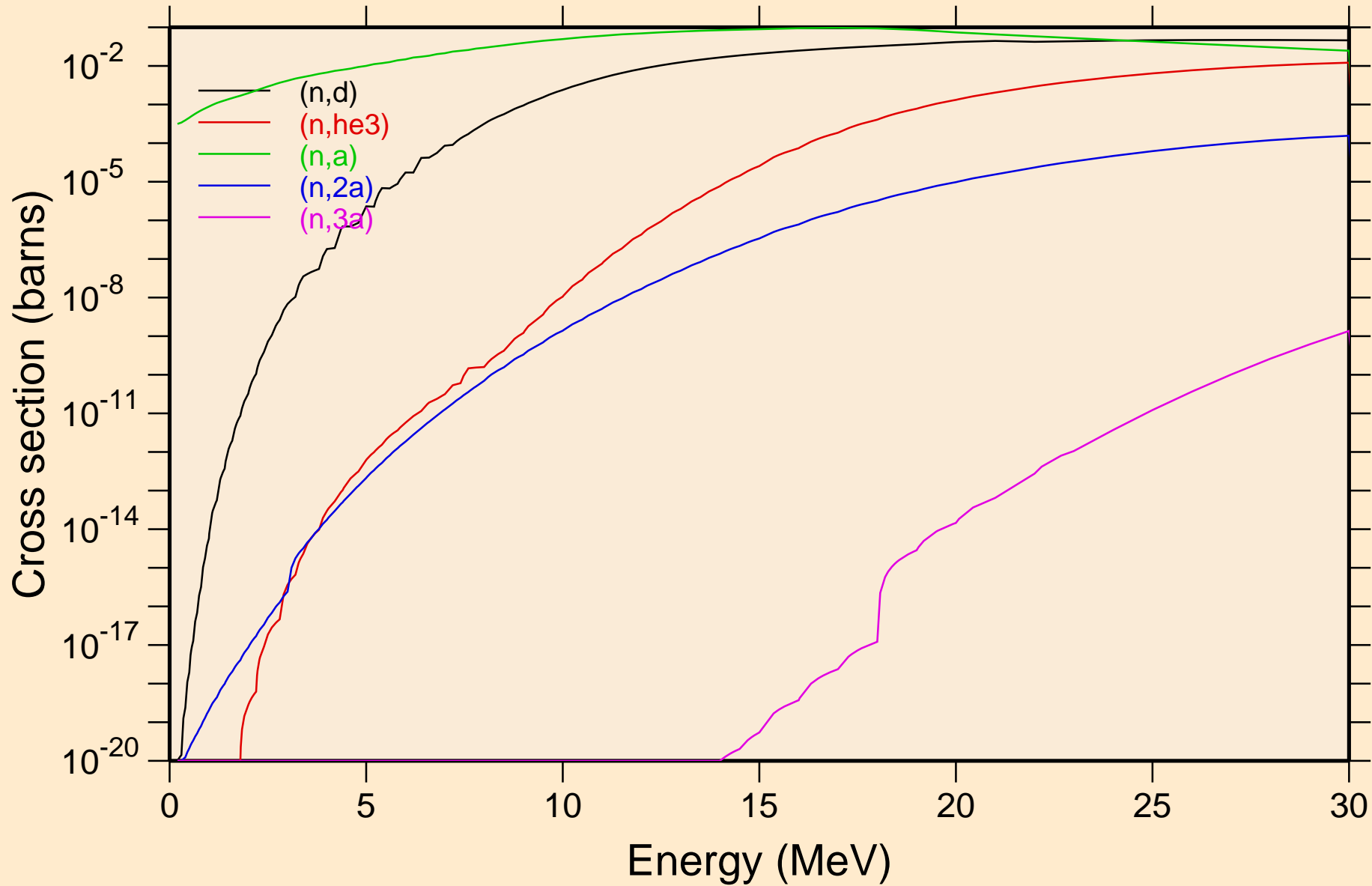
# HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Non-threshold reactions



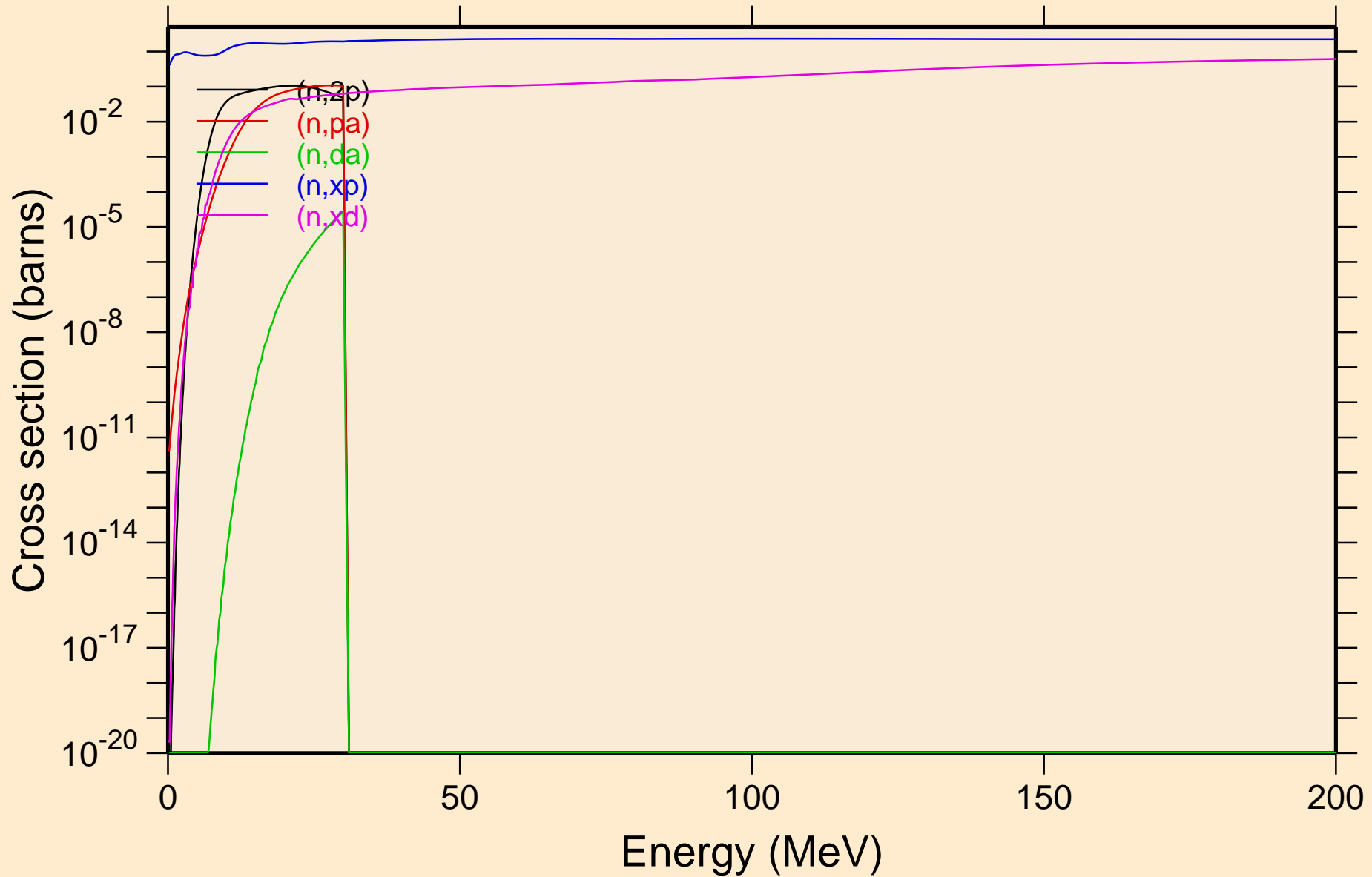
# HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Non-threshold reactions

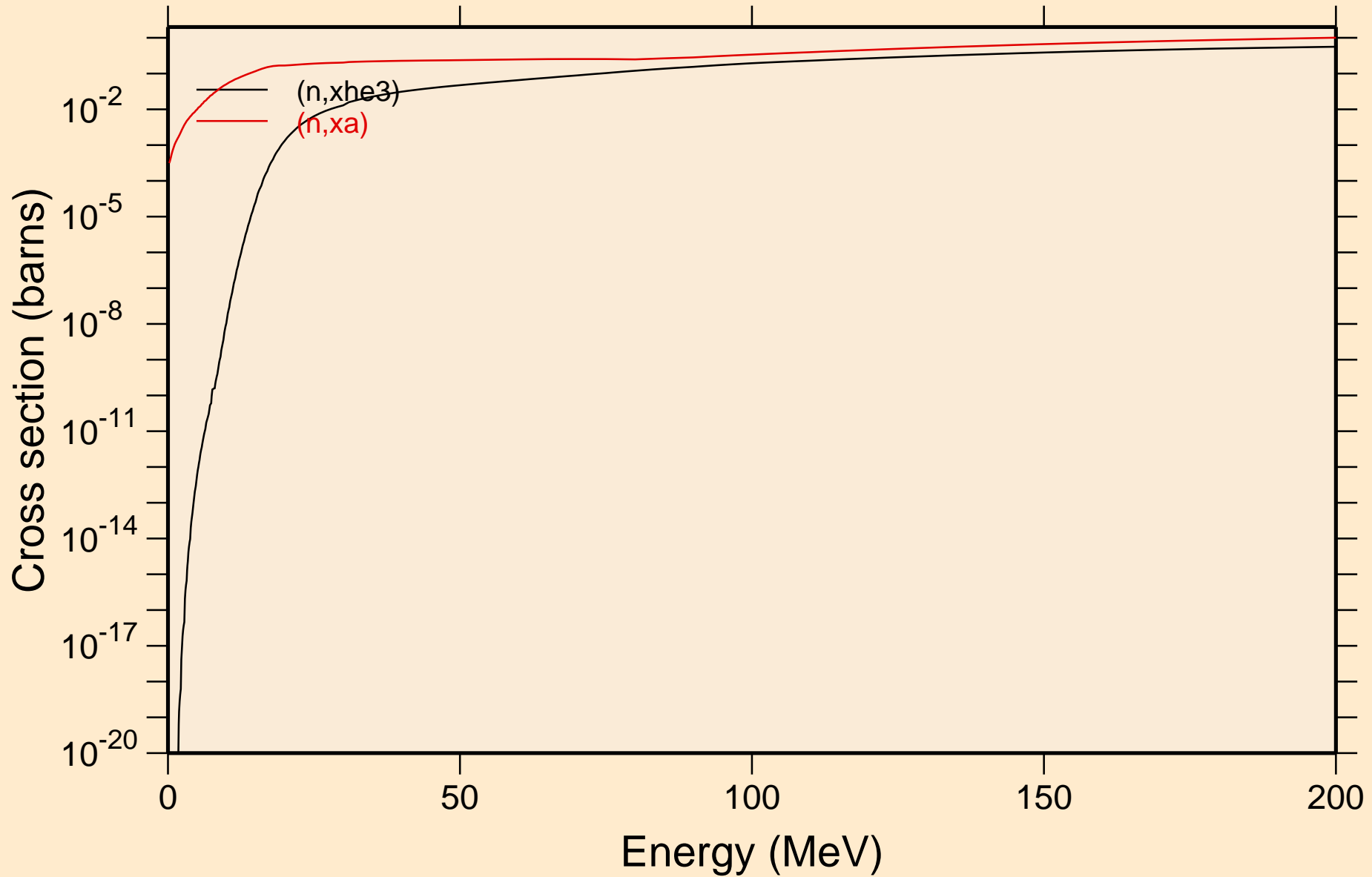


# HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

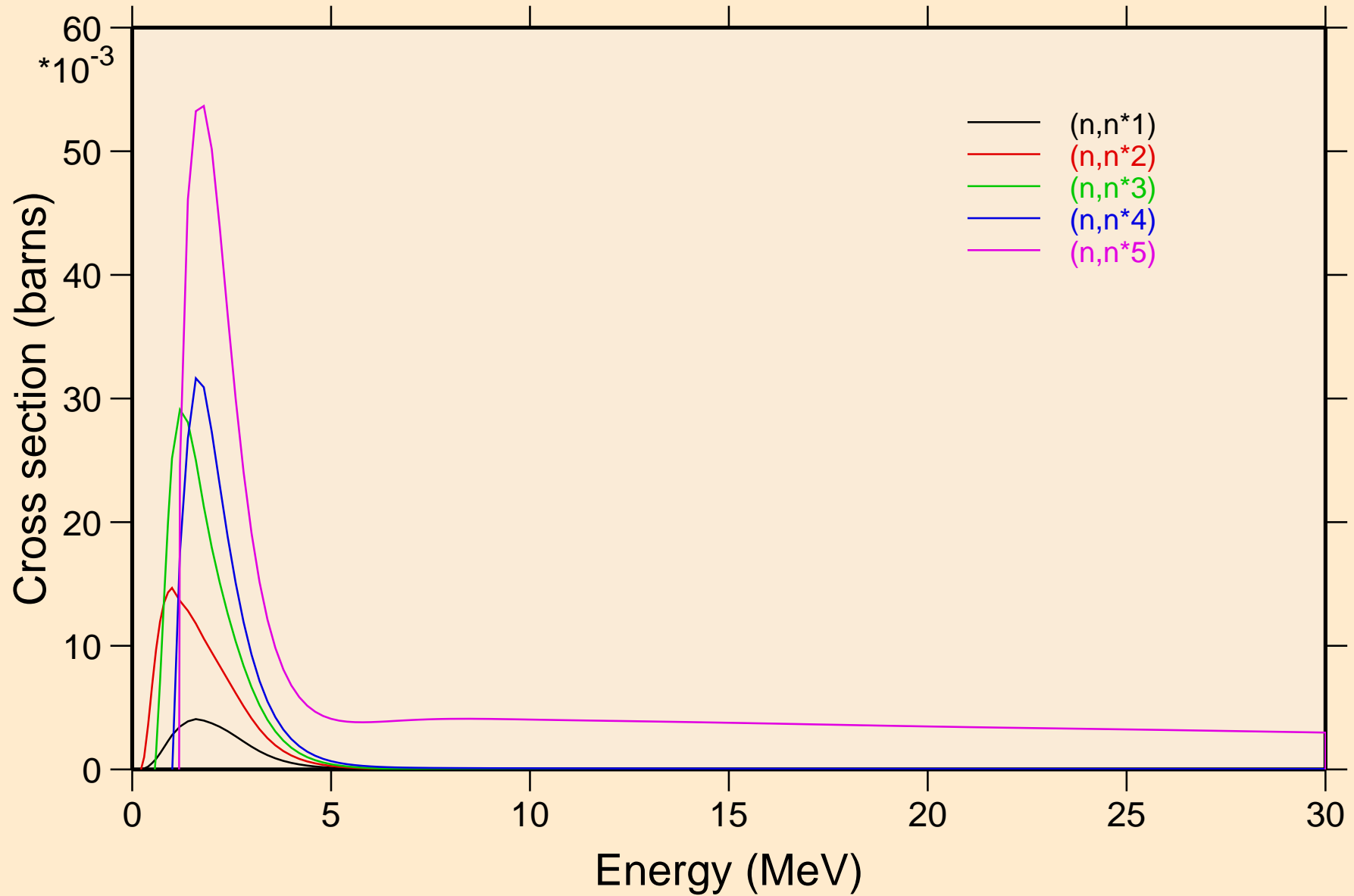
## Non-threshold reactions



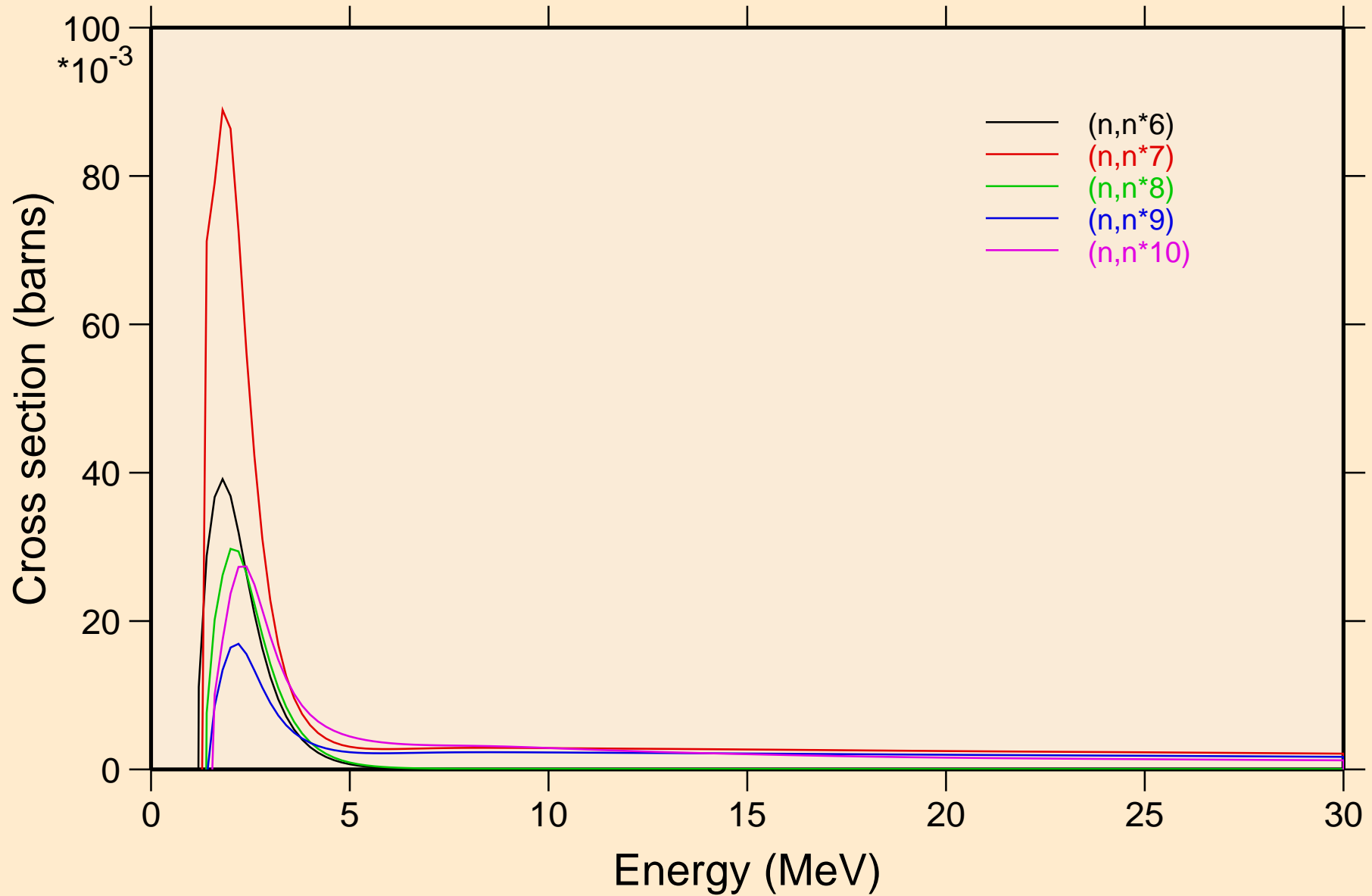
HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



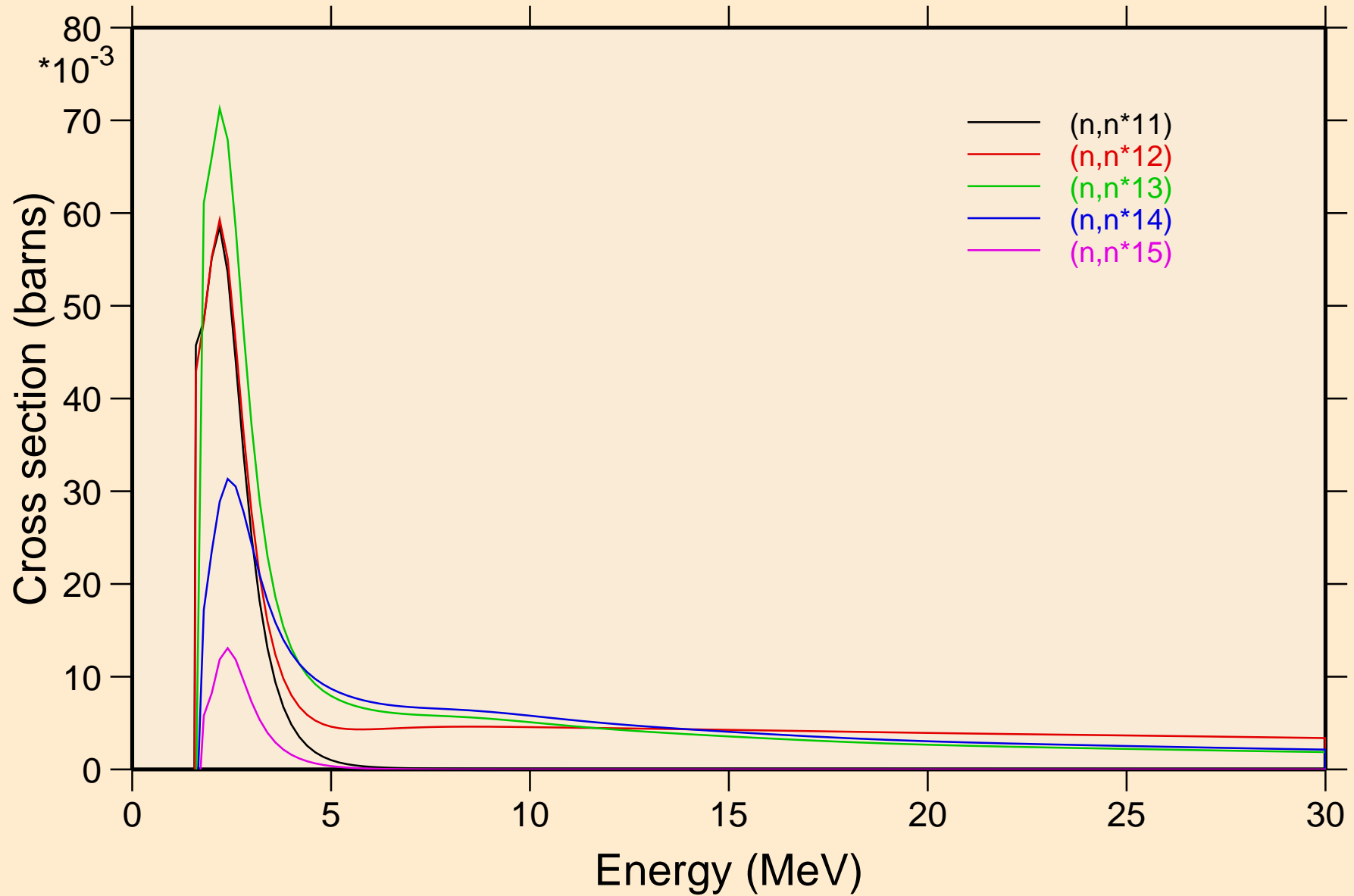
HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels





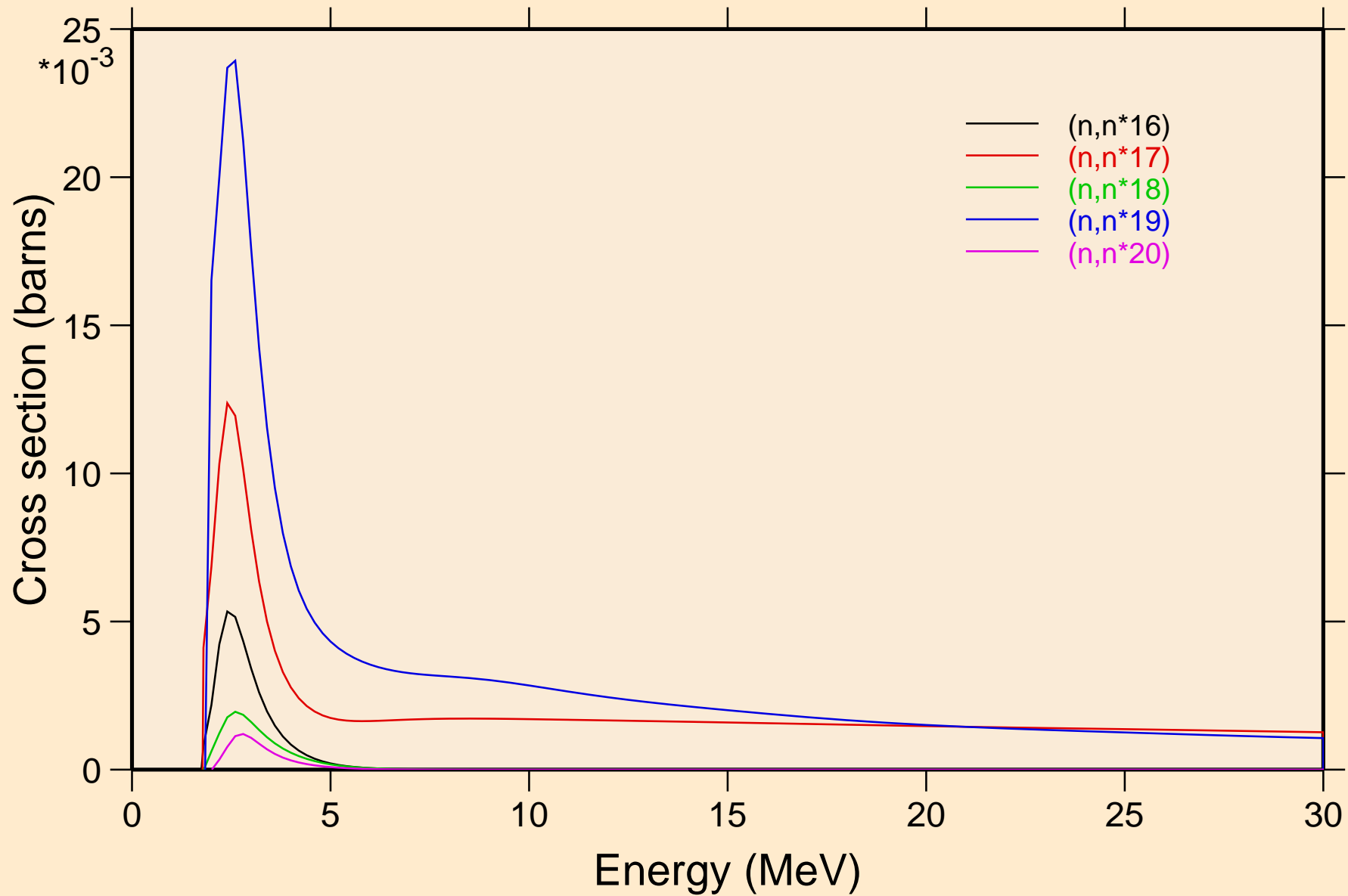
# HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Inelastic levels

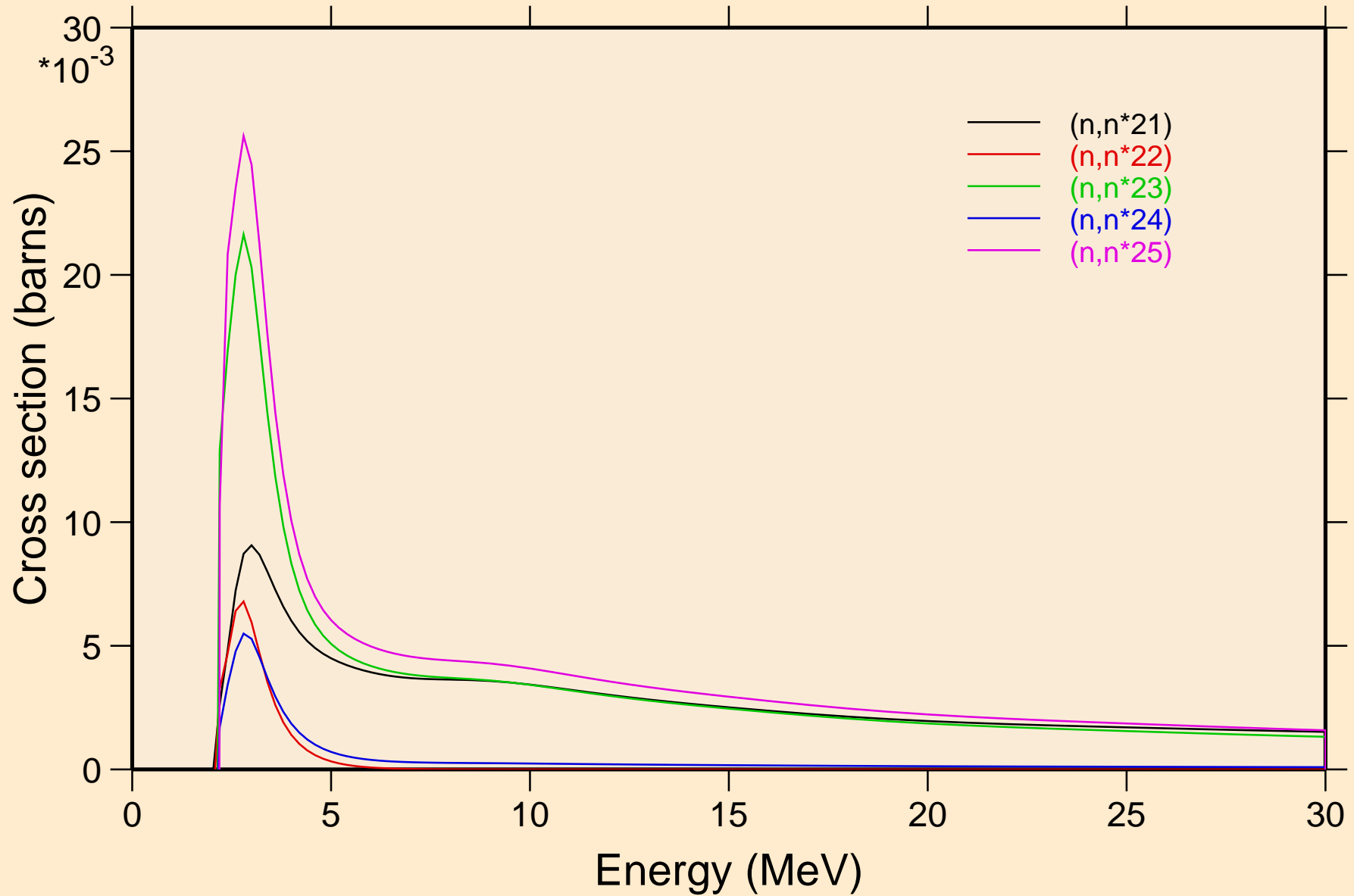


# HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

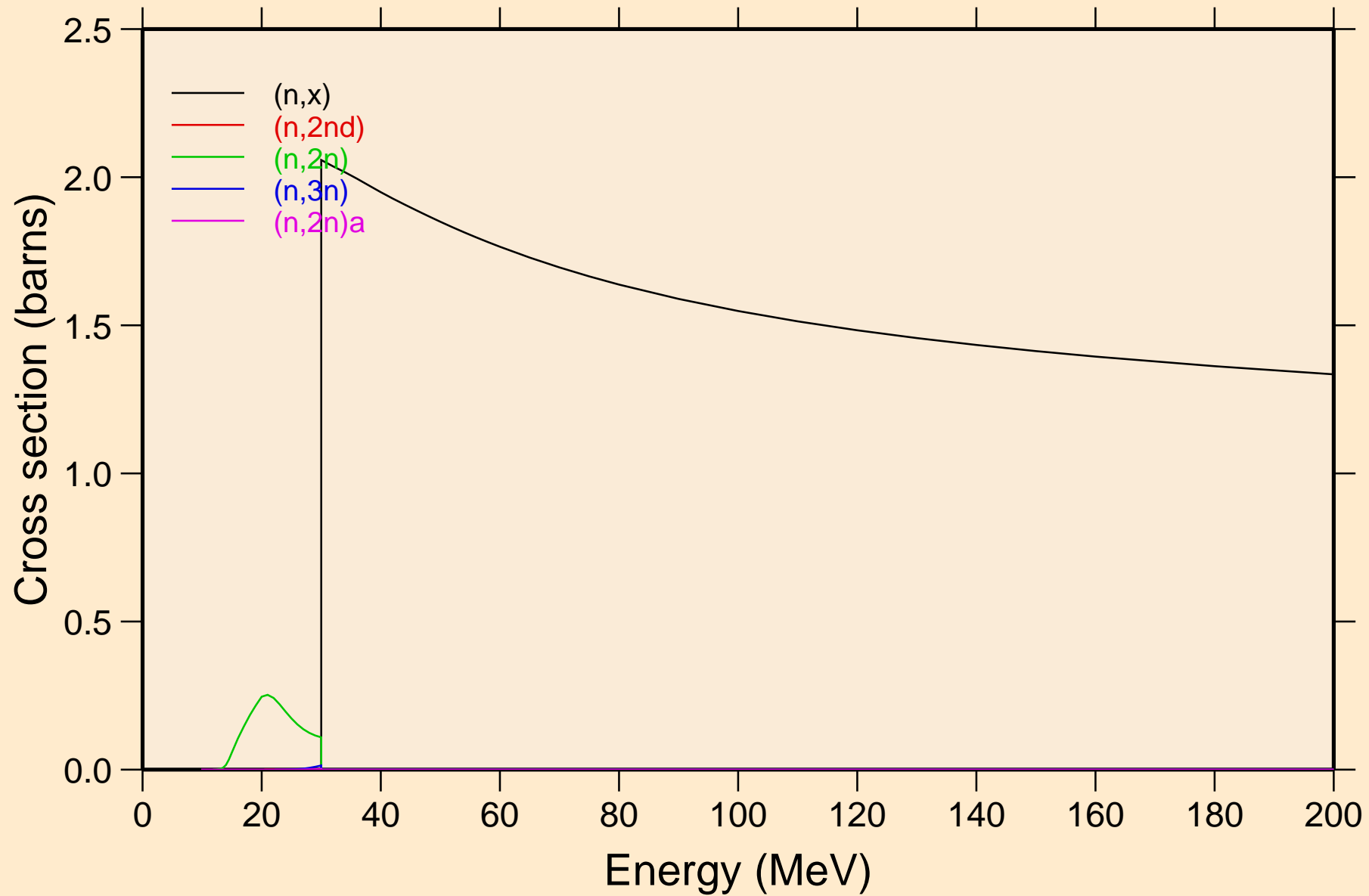
## Inelastic levels



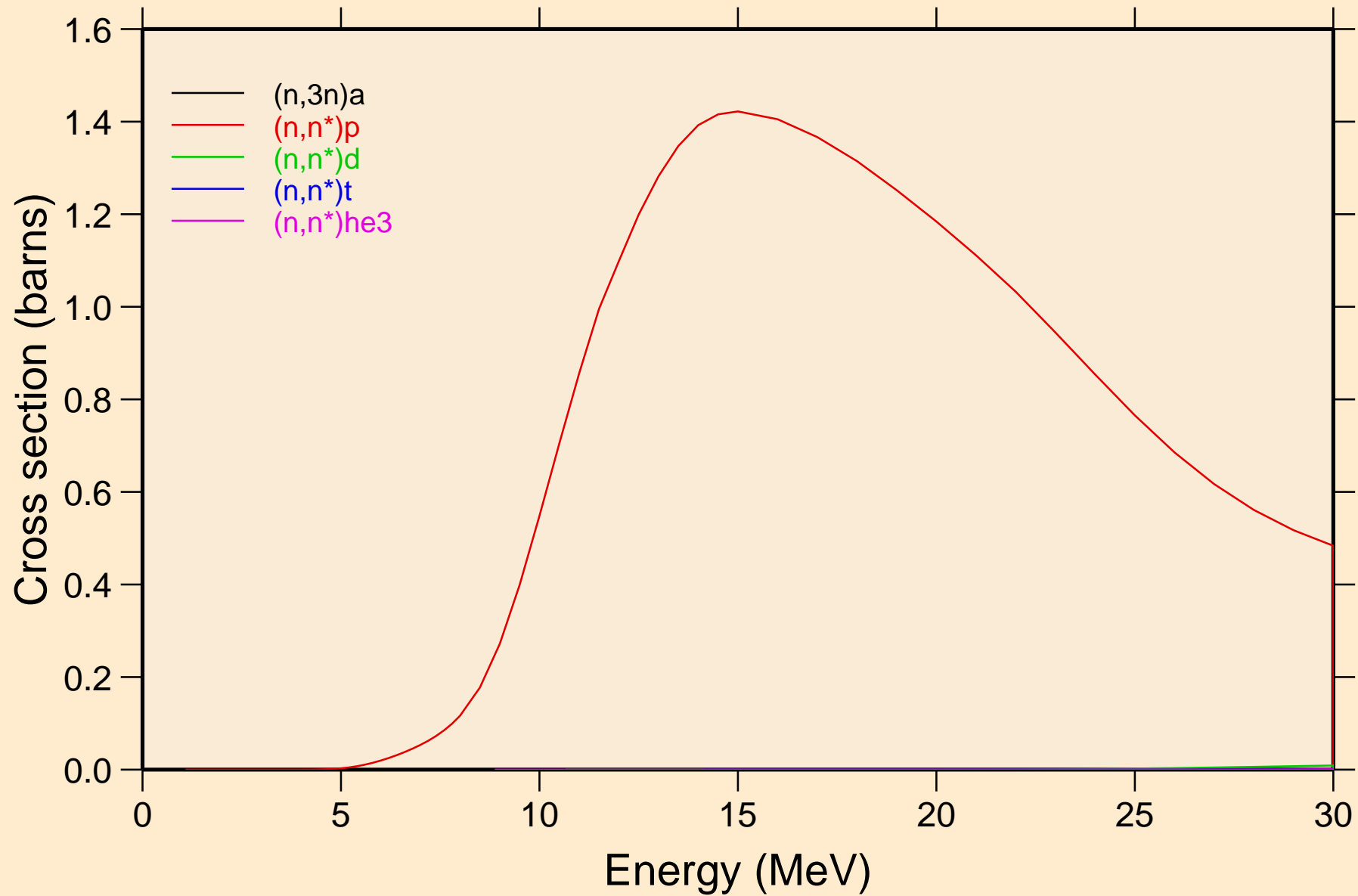
HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions

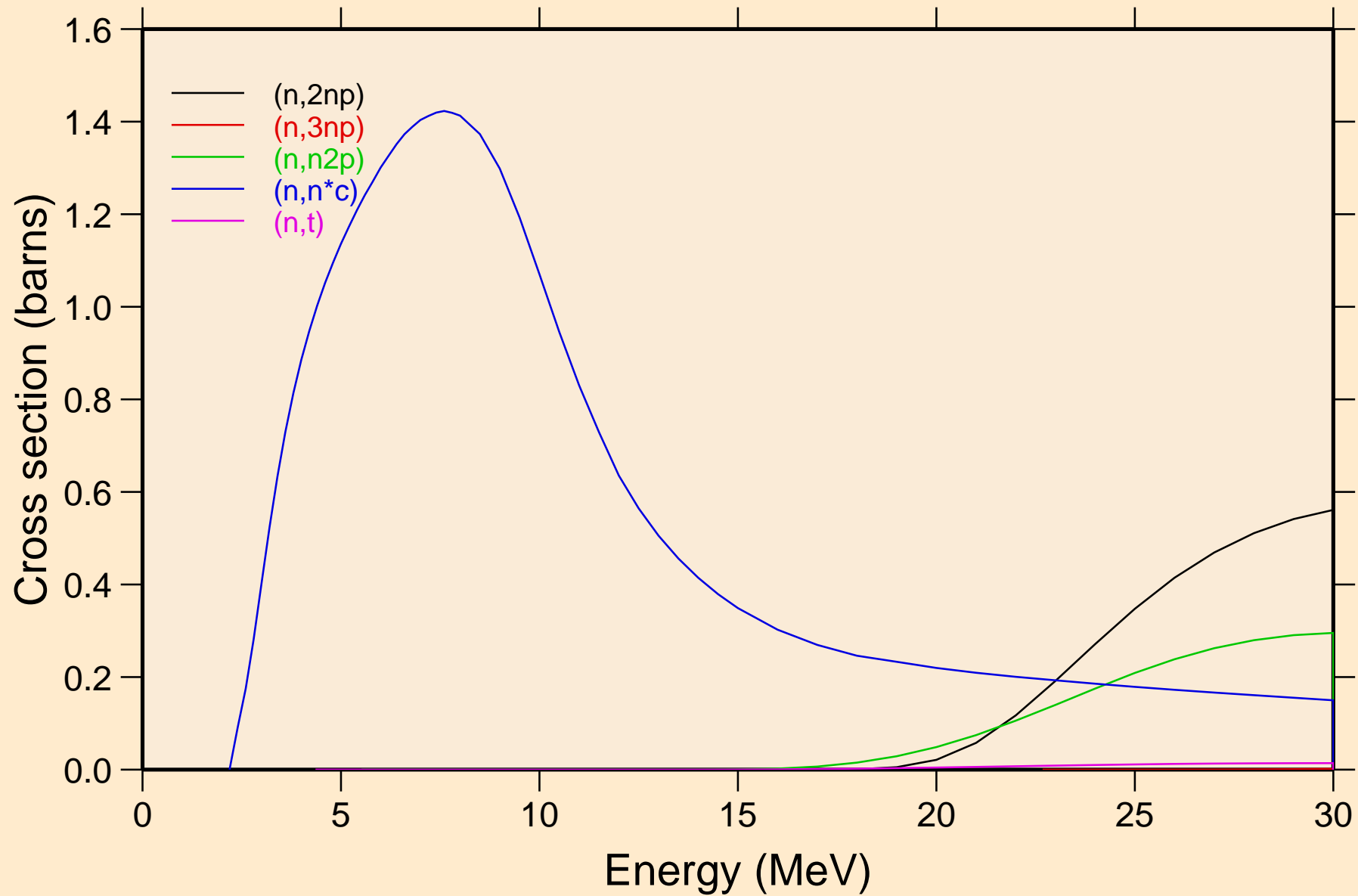


HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



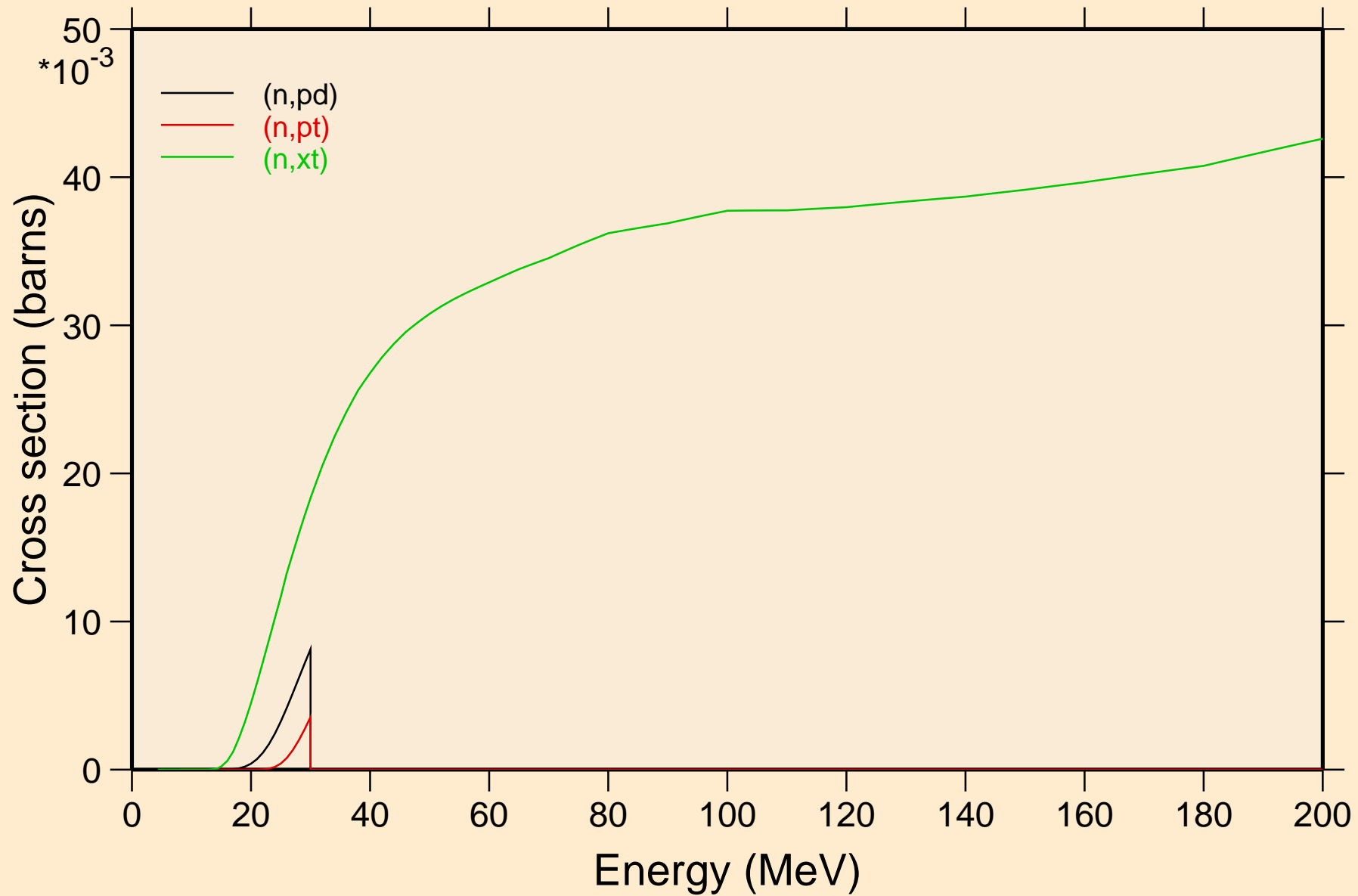
# HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions

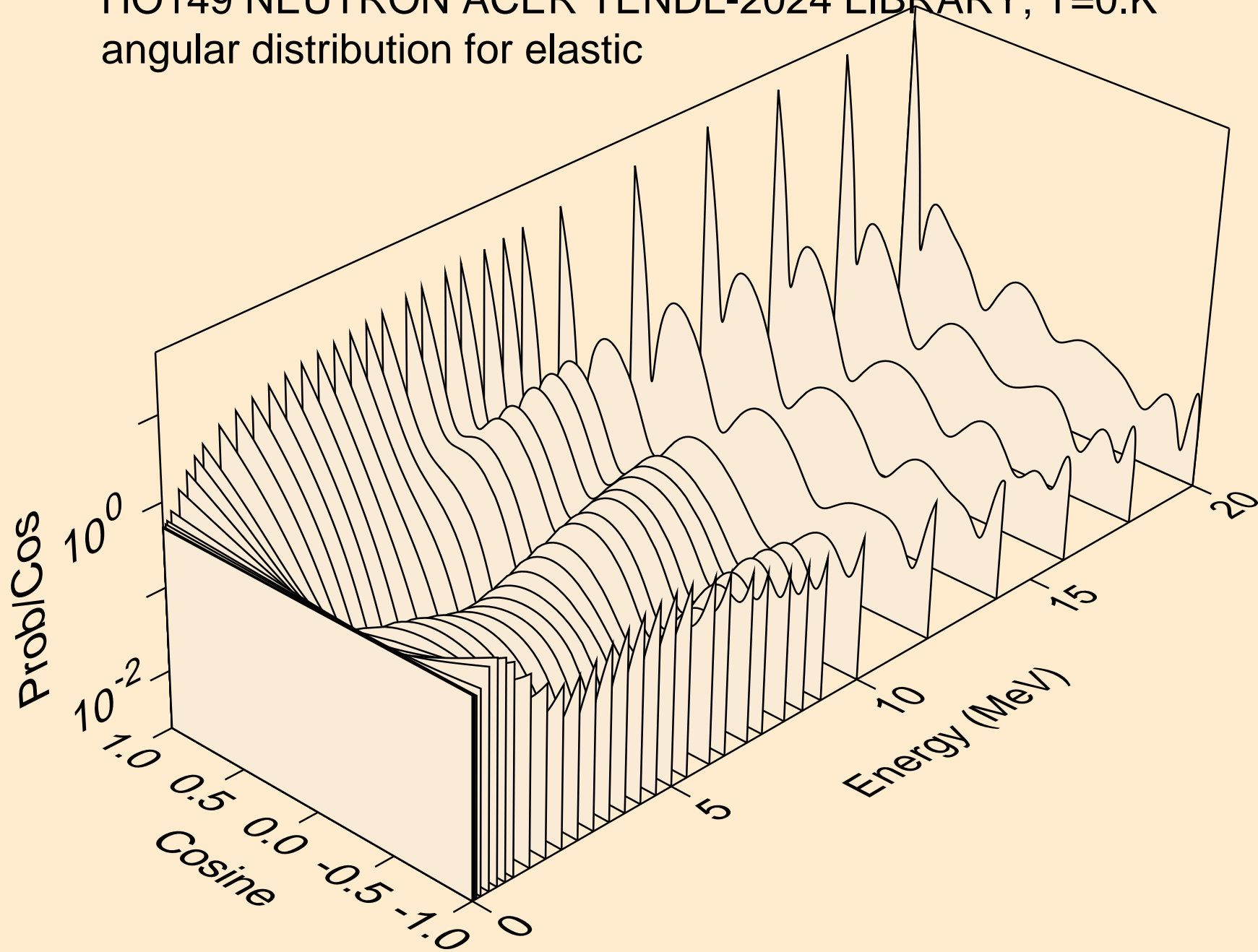


# HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions

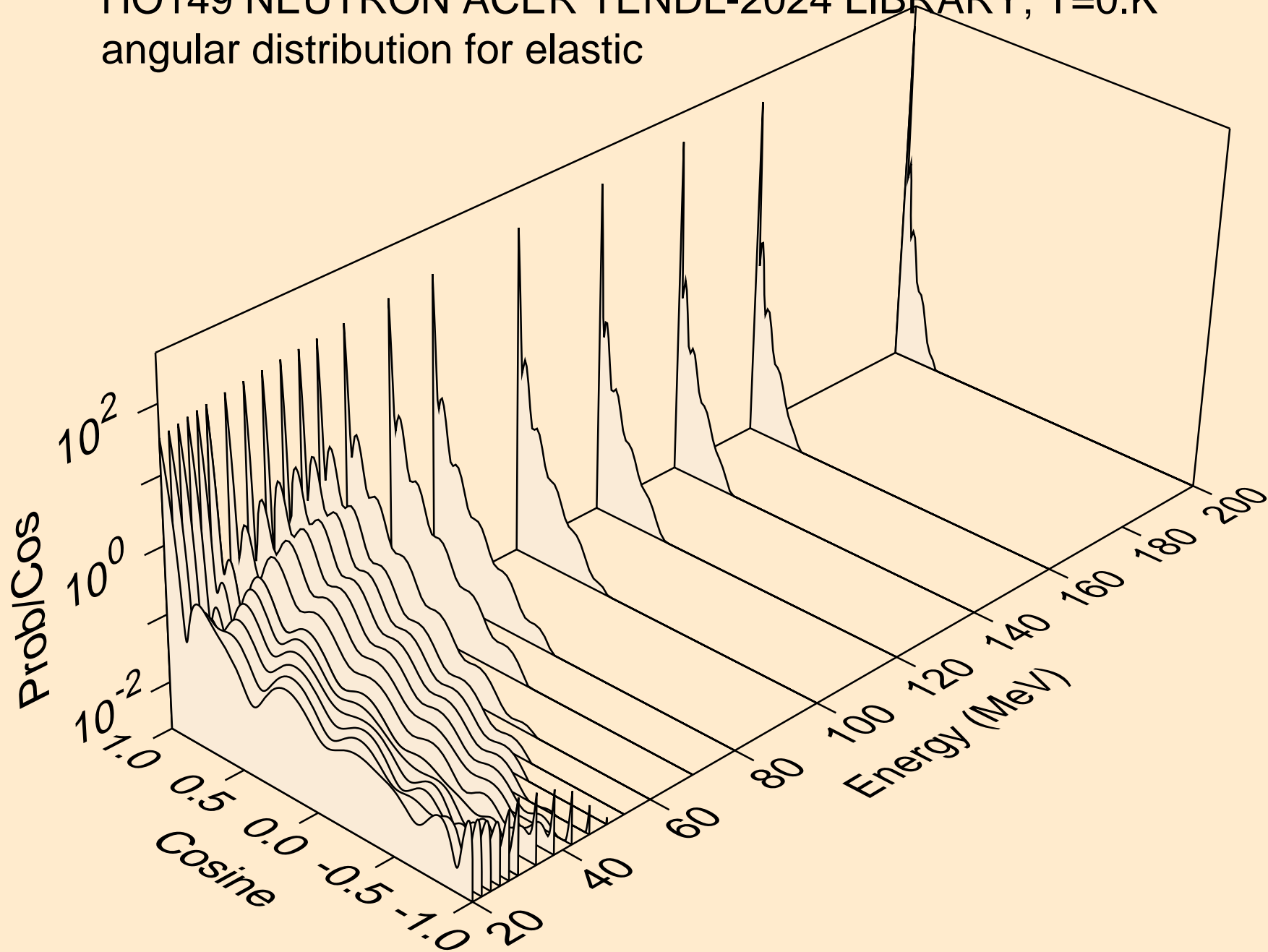


HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic

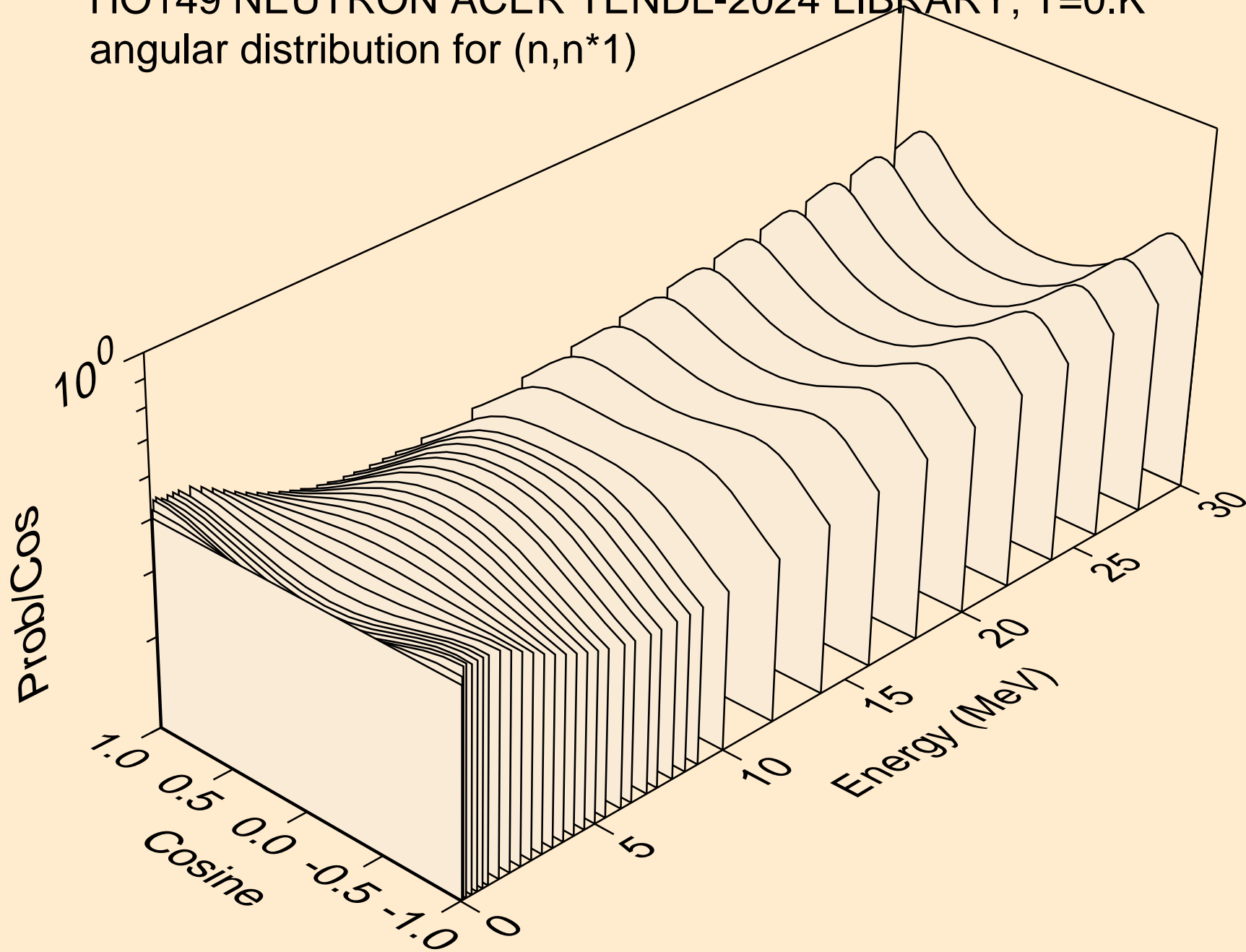




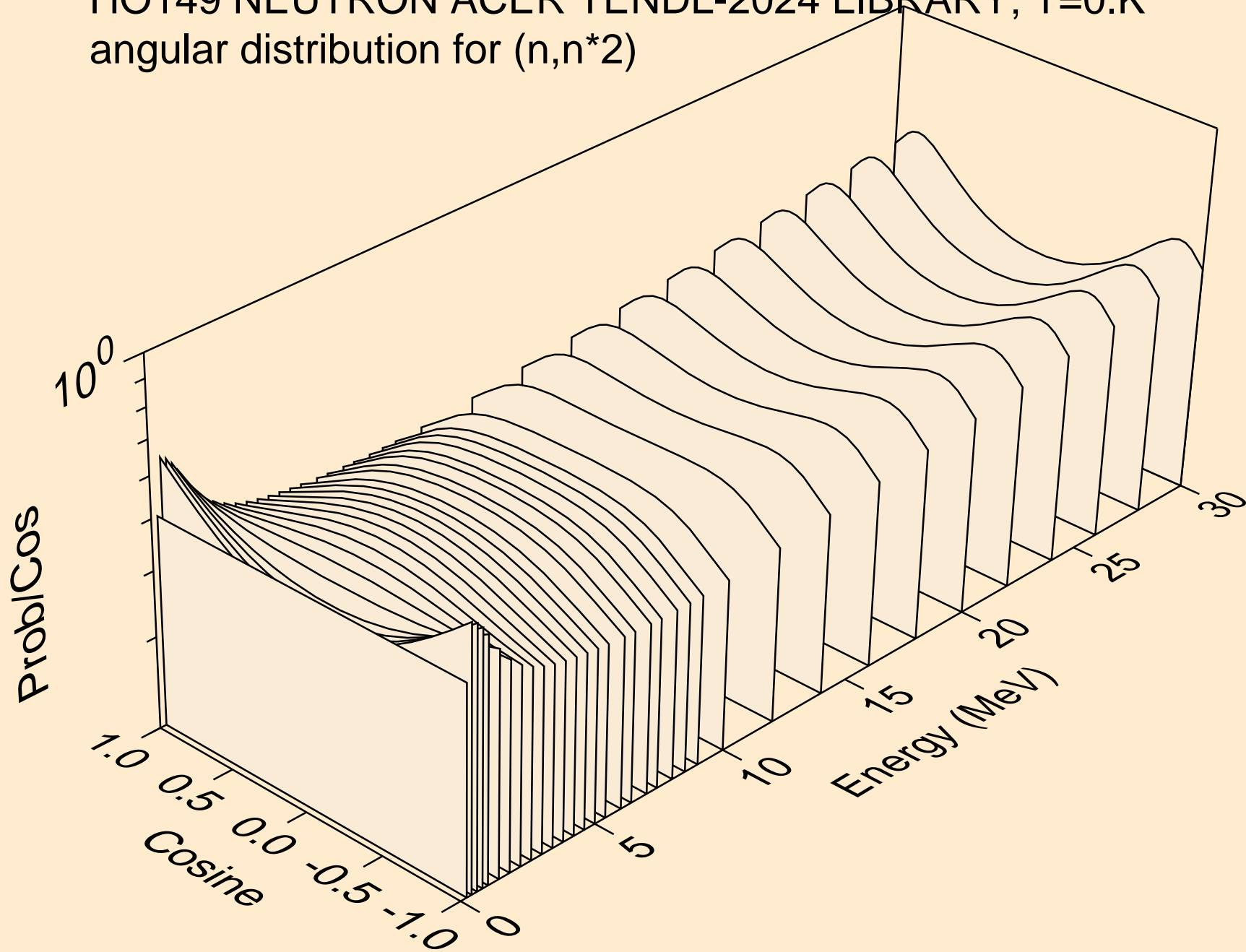
HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



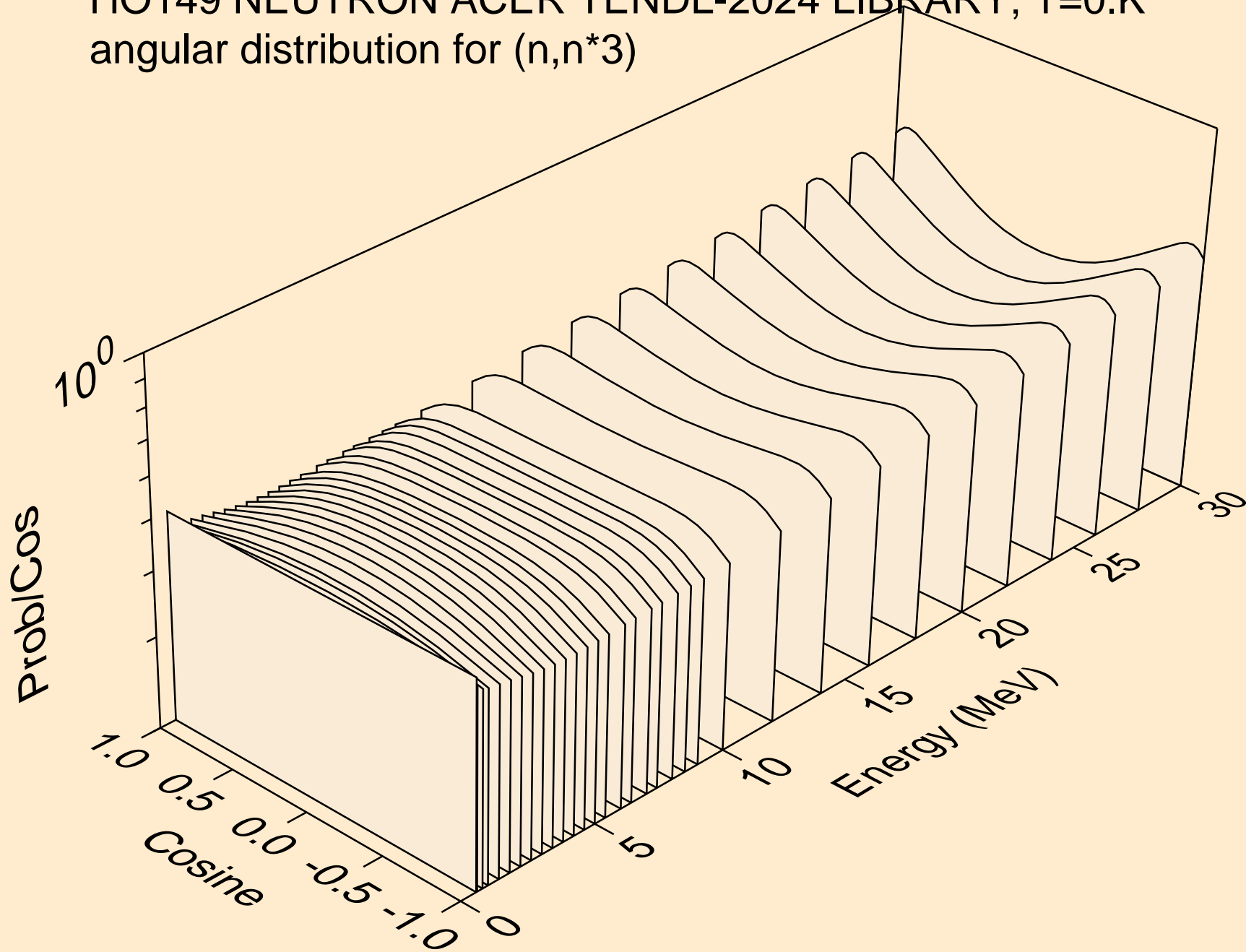
HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



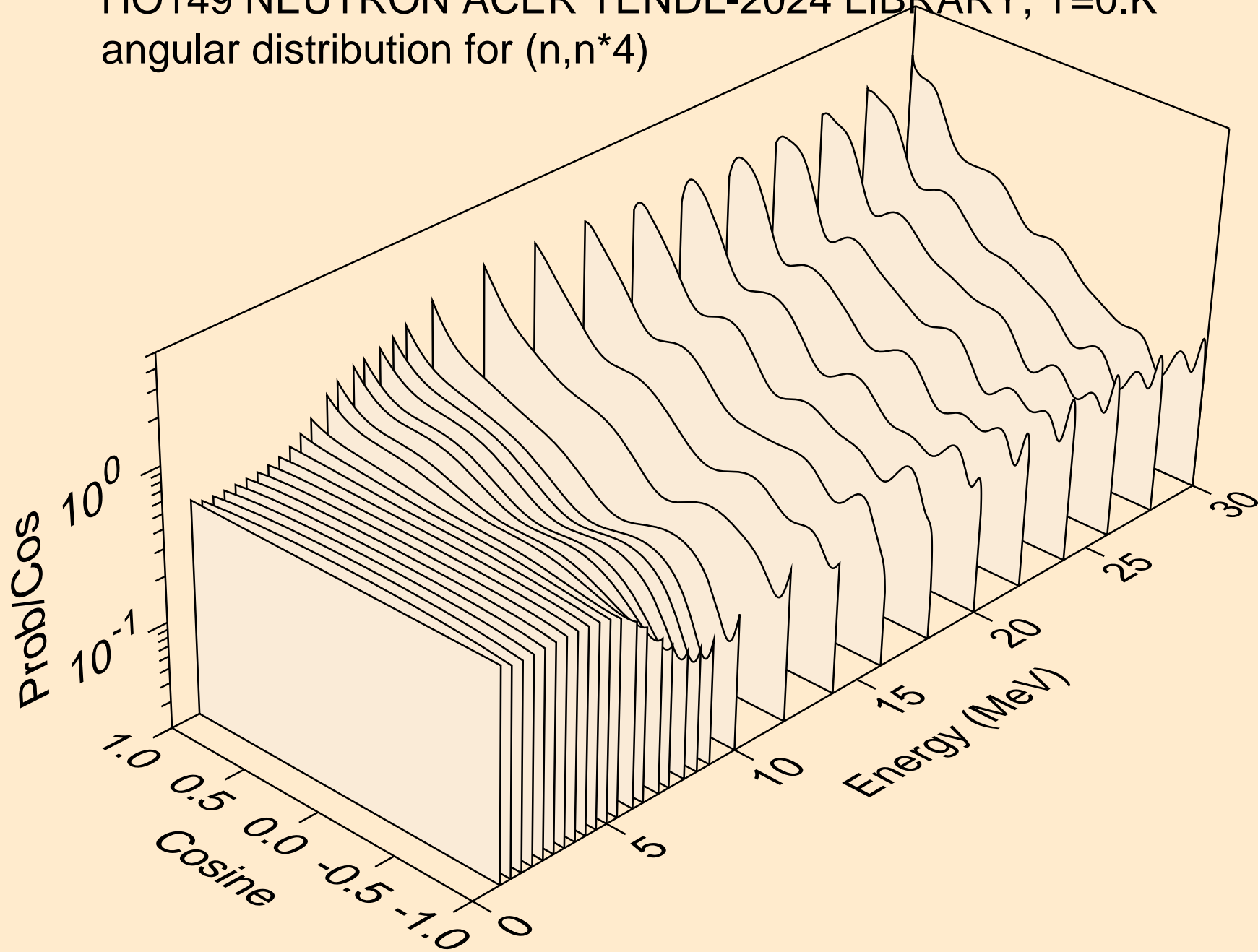
HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*2)



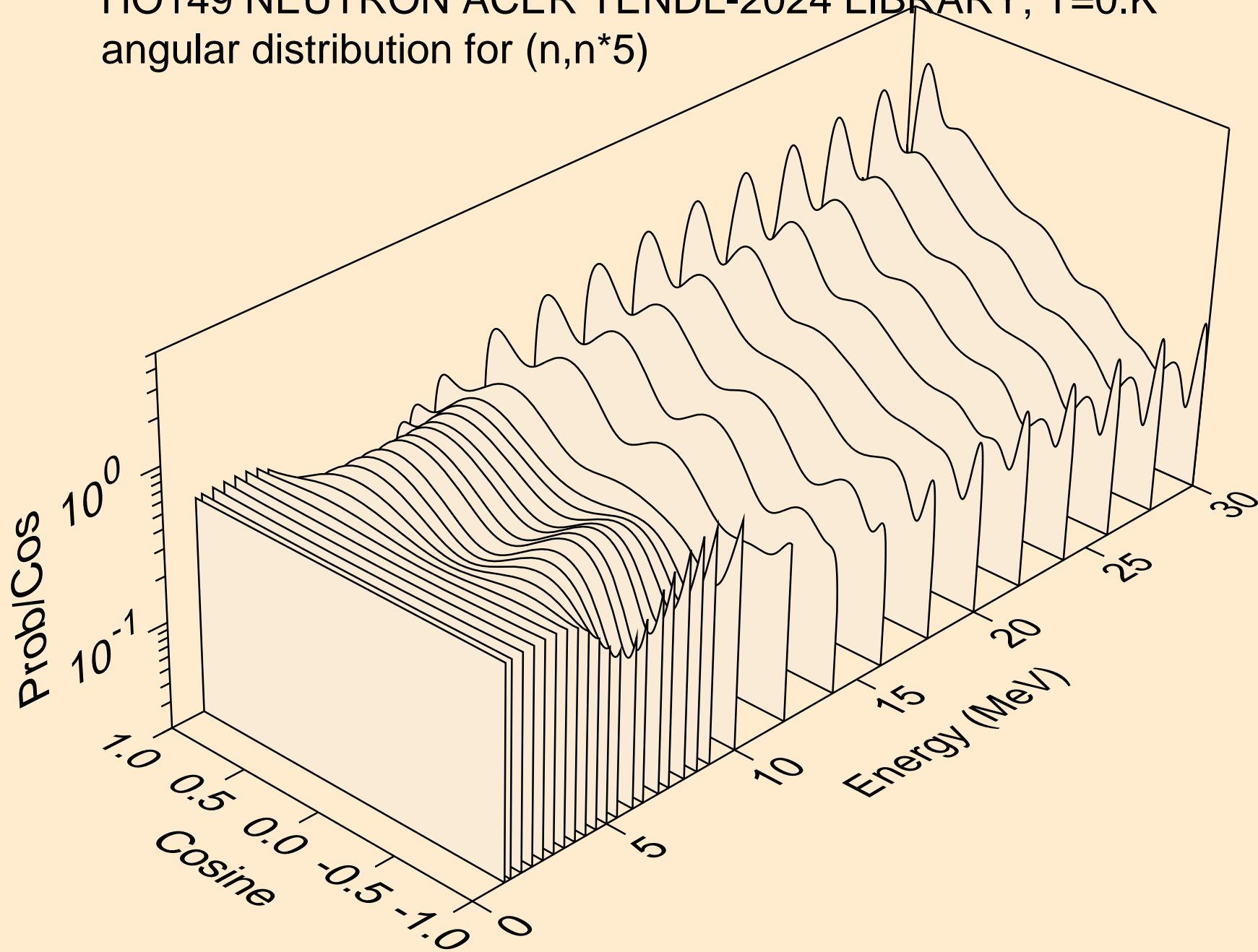
HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*3)



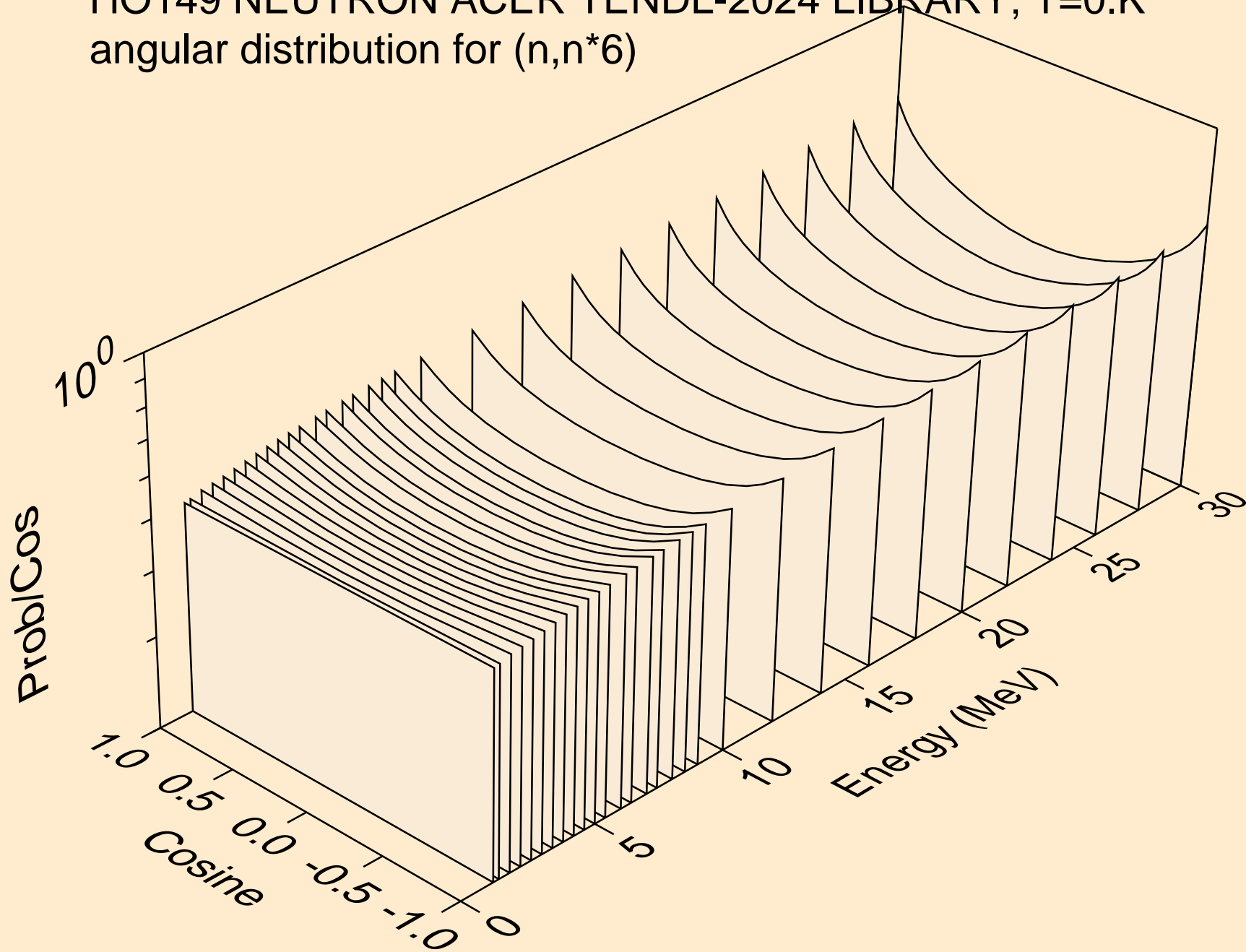
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angular distribution for (n,n\*4)



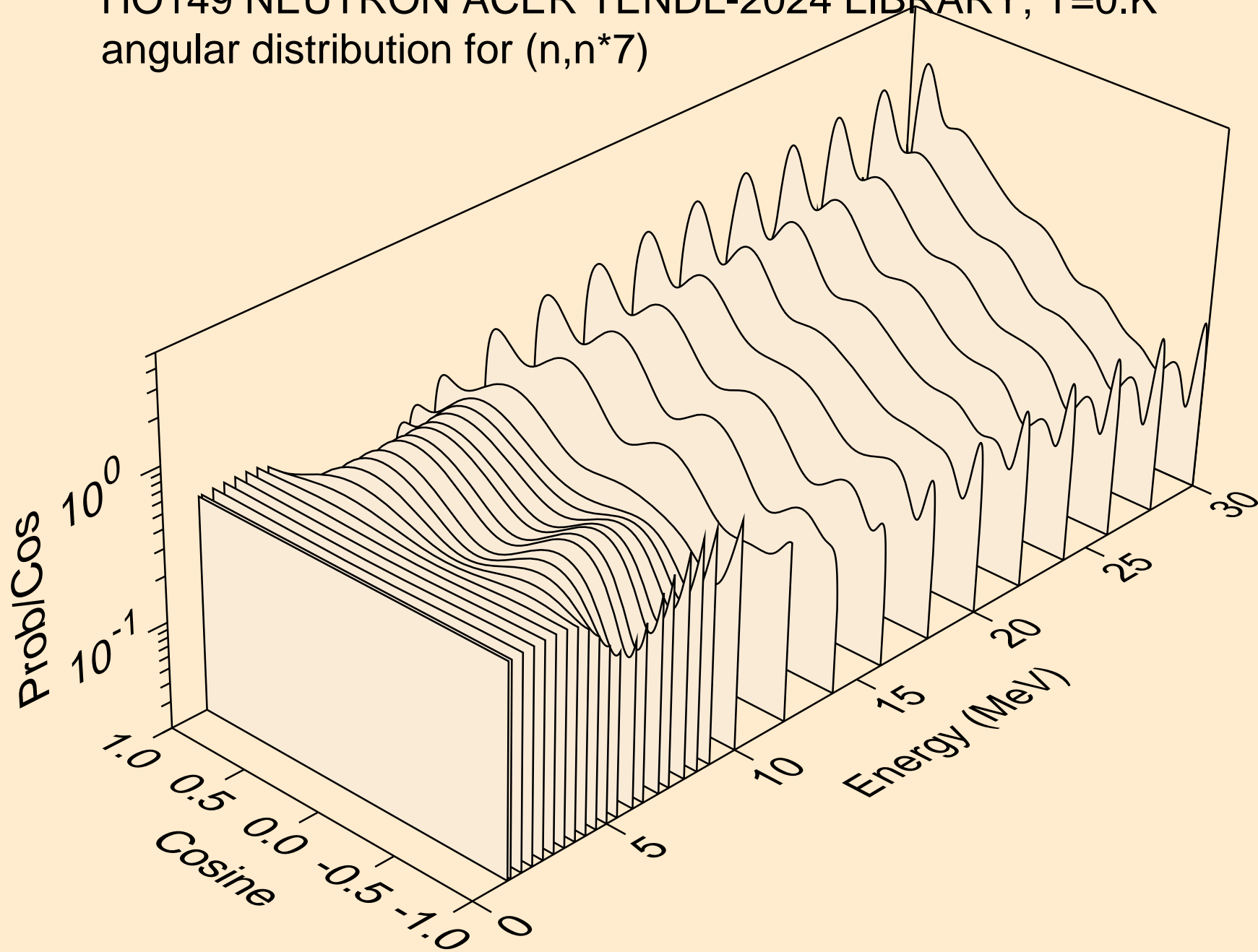
HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*5)



HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*6)

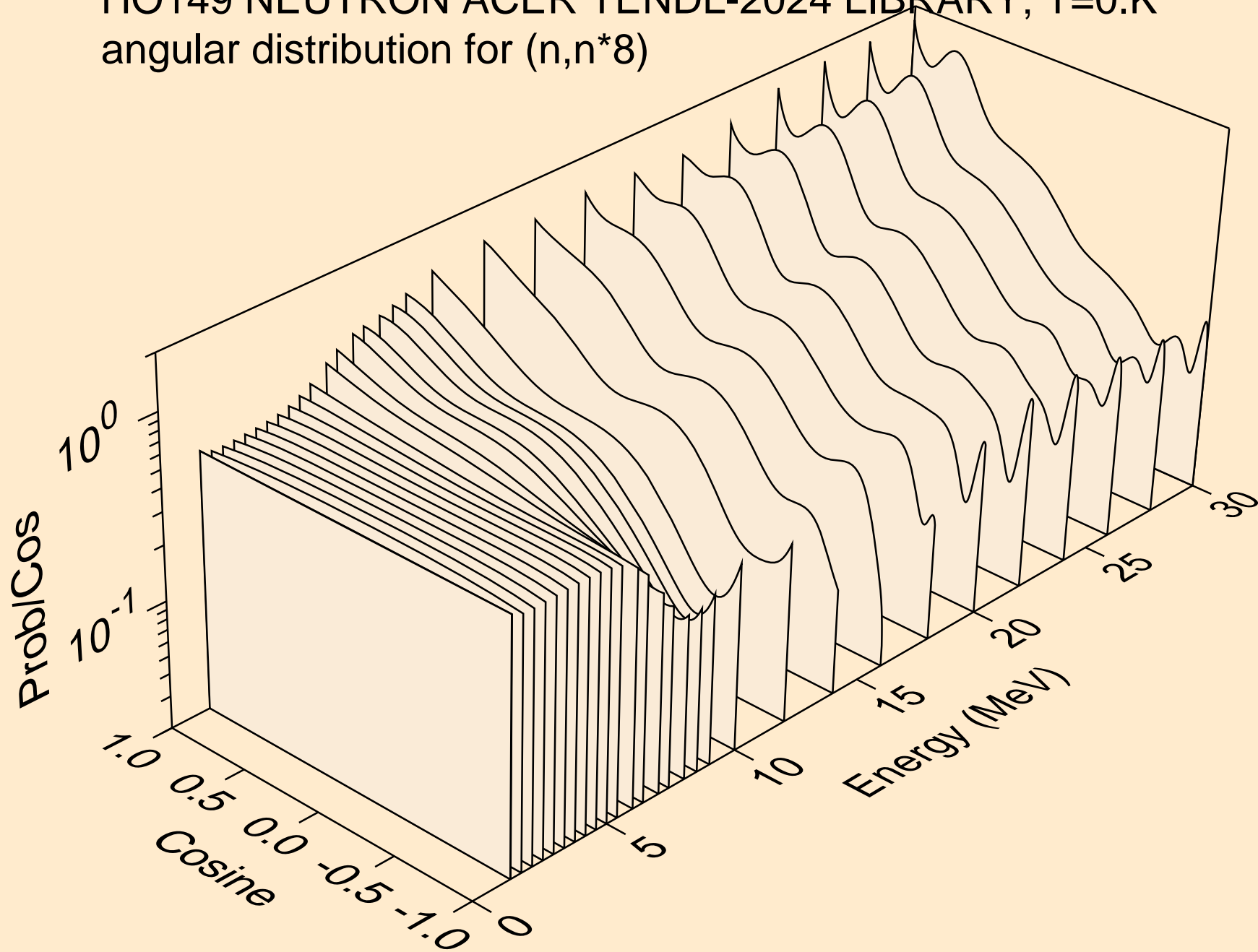


HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*7)

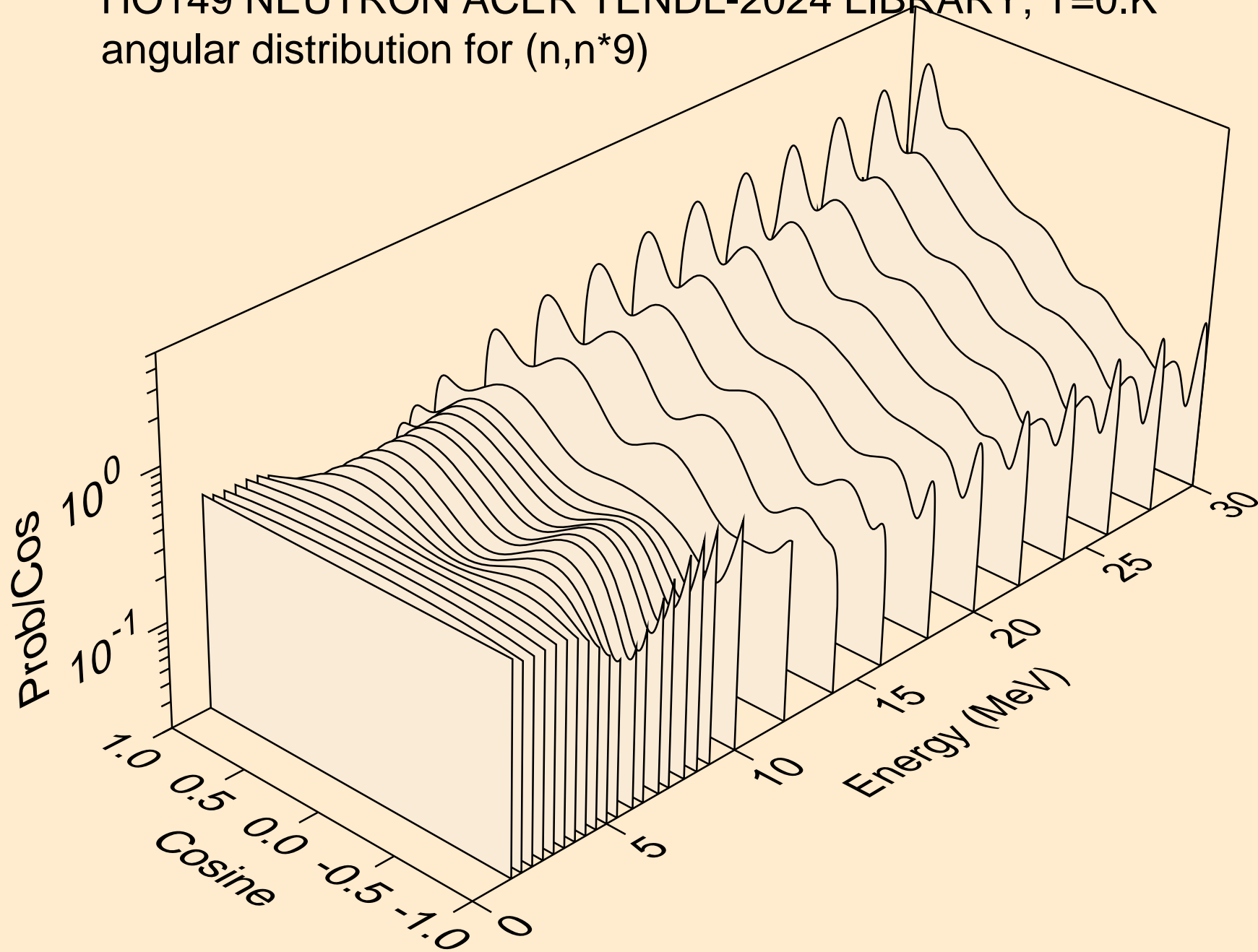




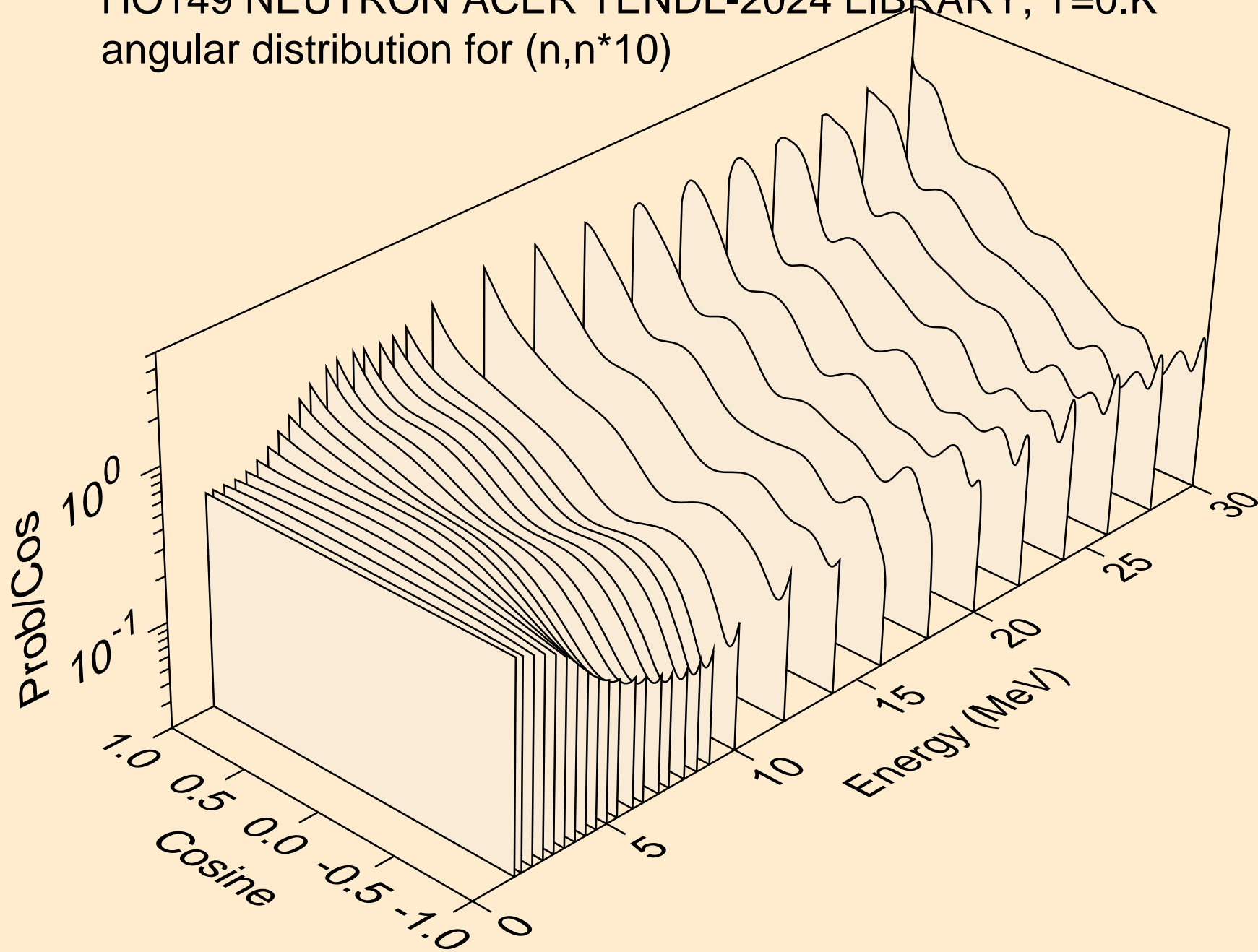
HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*8)



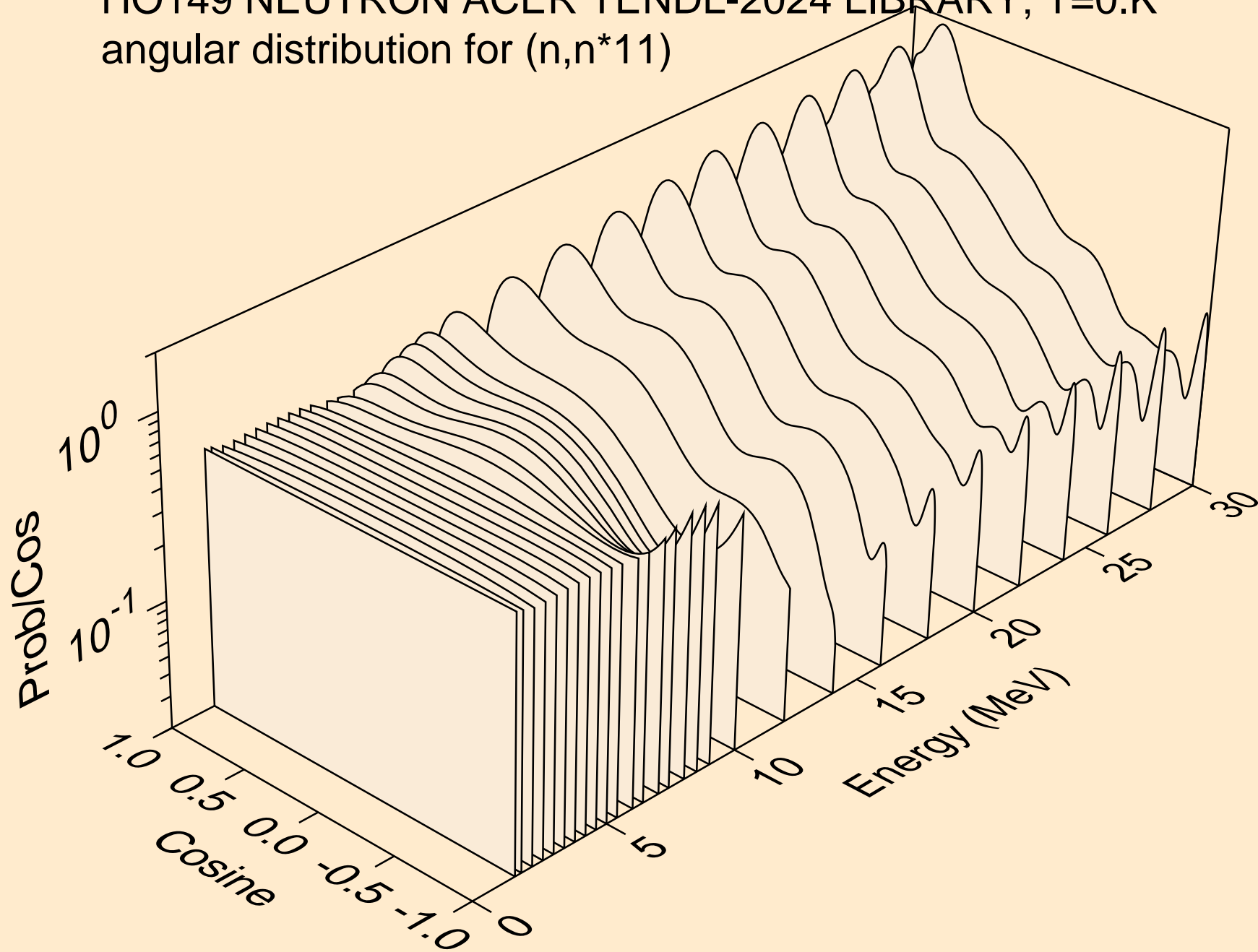
HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*9)



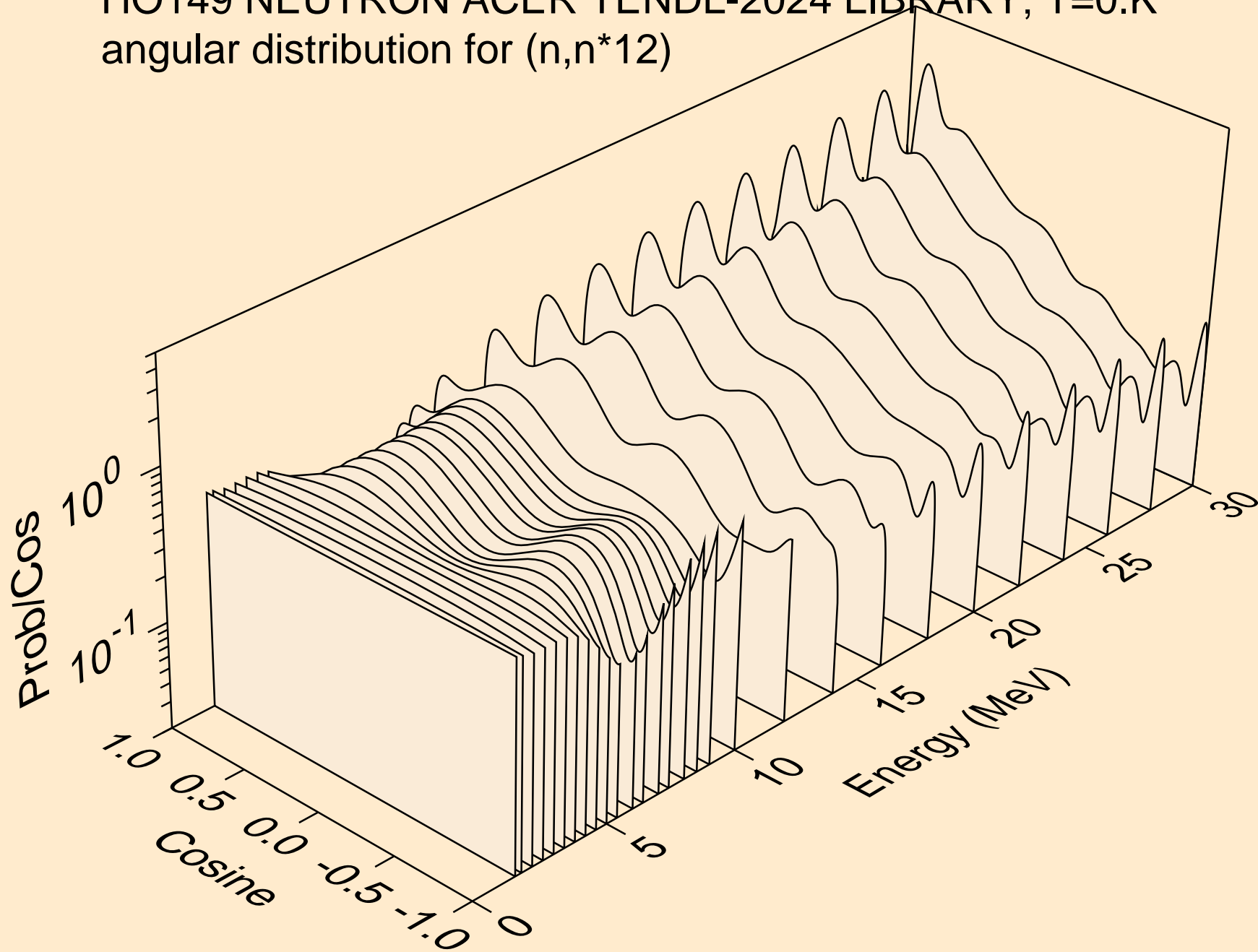
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angular distribution for (n,n\*10)



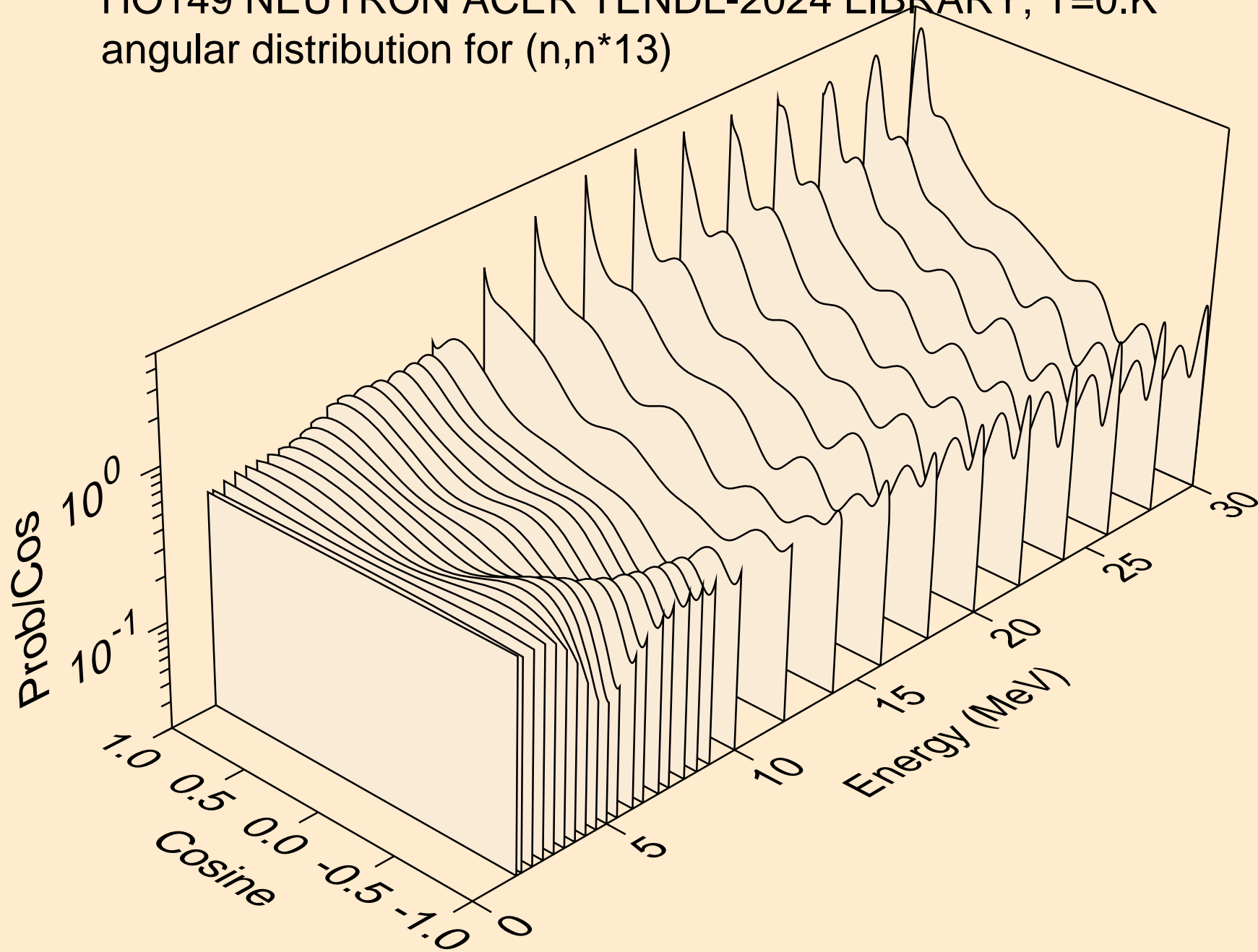
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angular distribution for (n,n\*11)



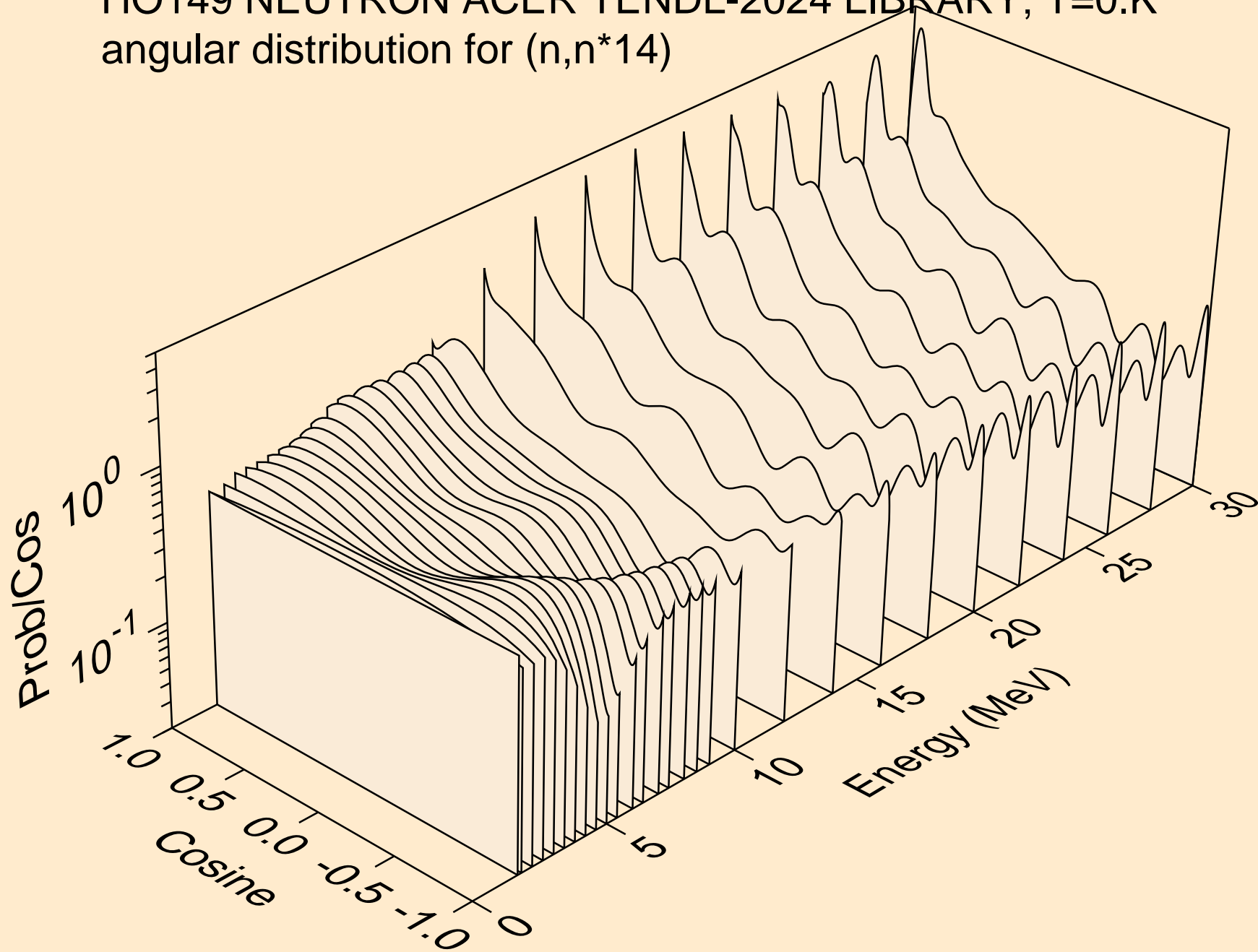
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angular distribution for (n,n\*12)



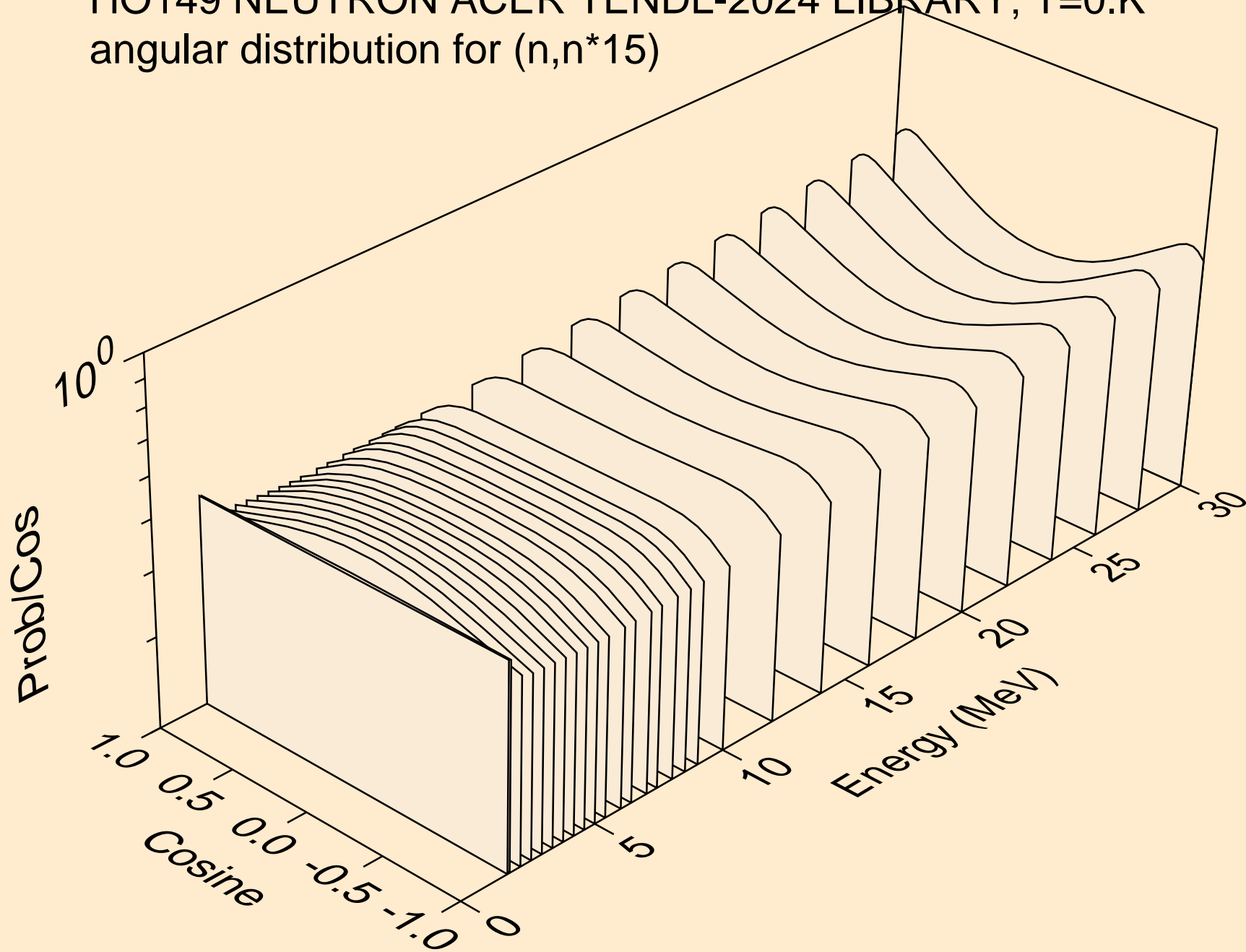
HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*13)



HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*14)

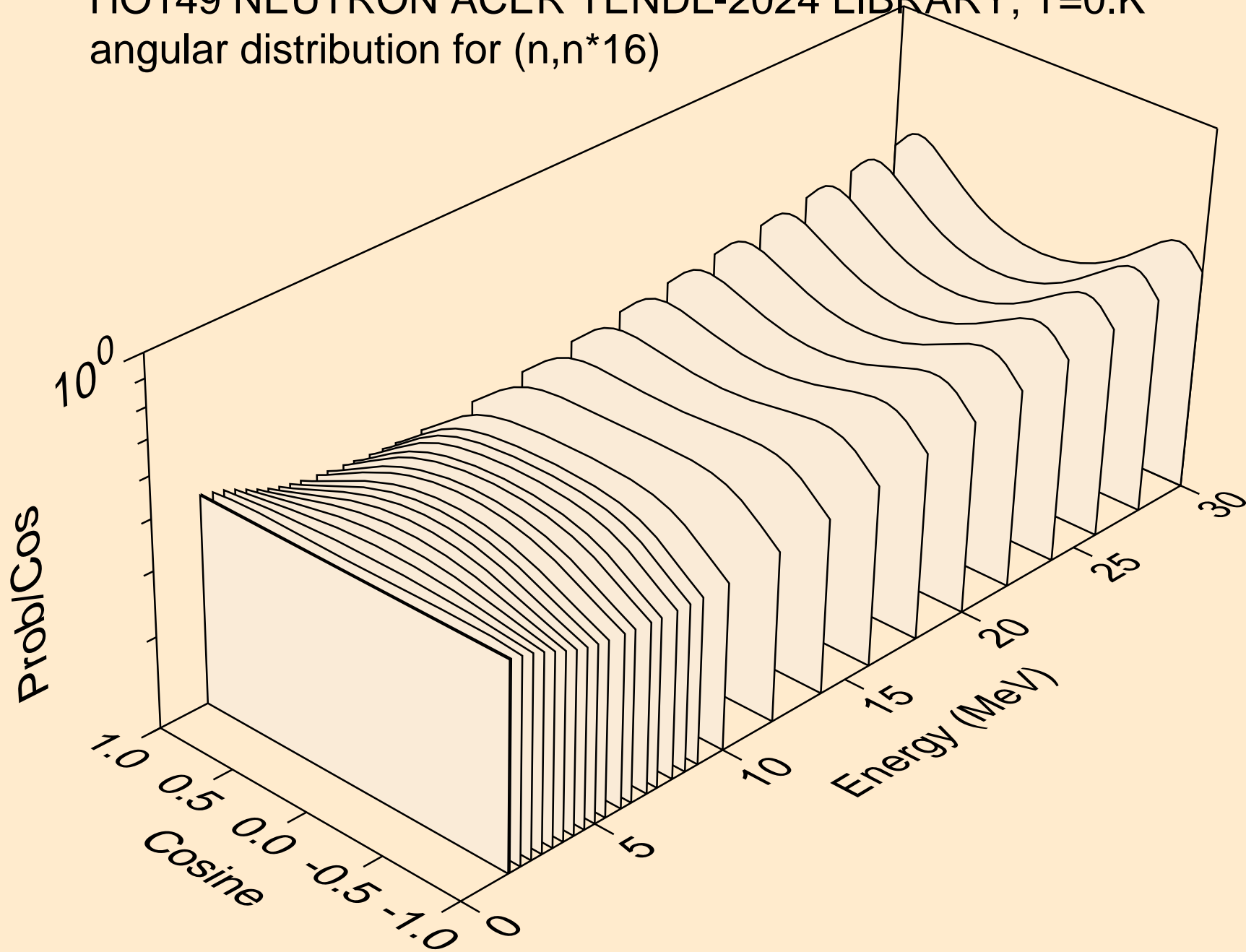


HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*15)

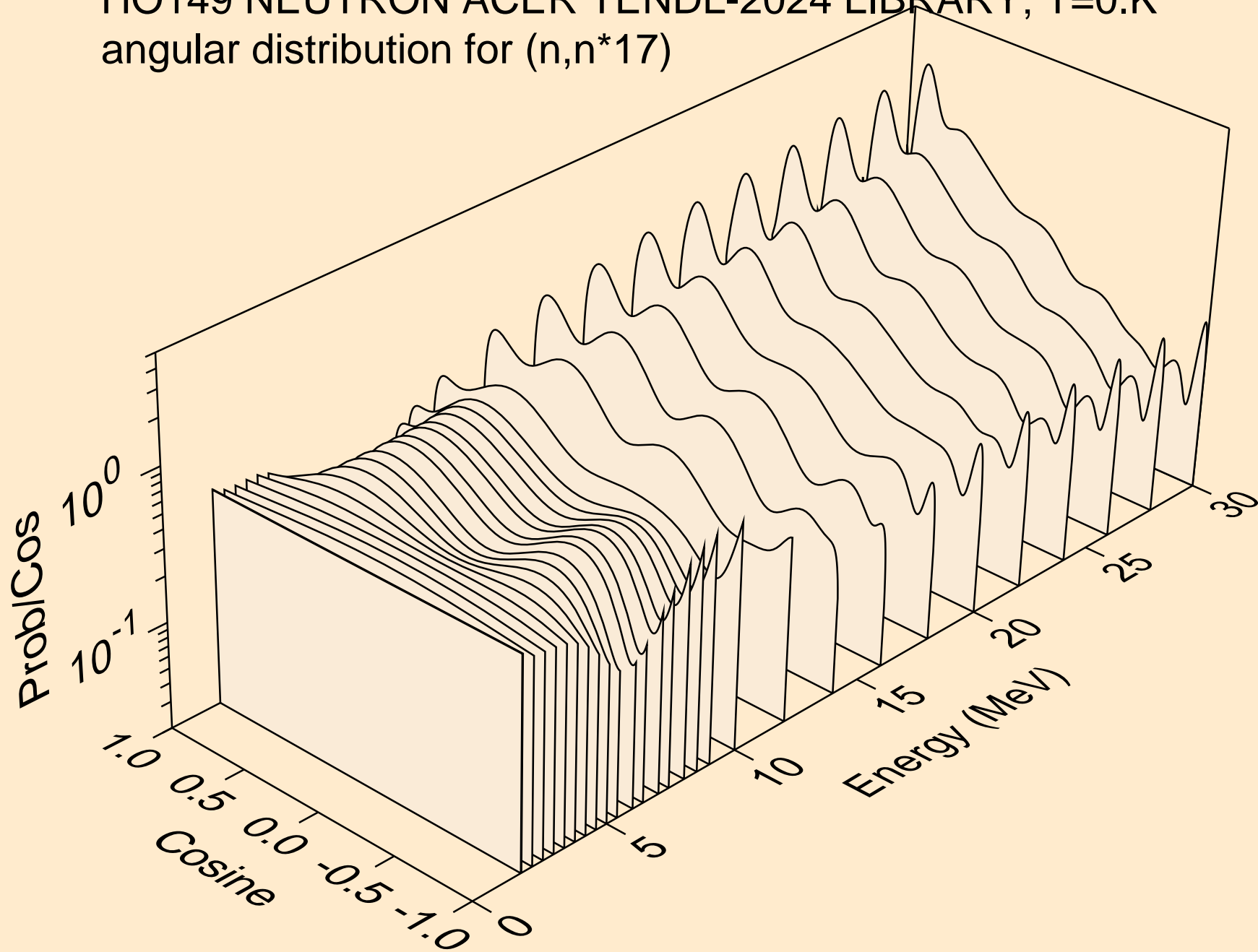




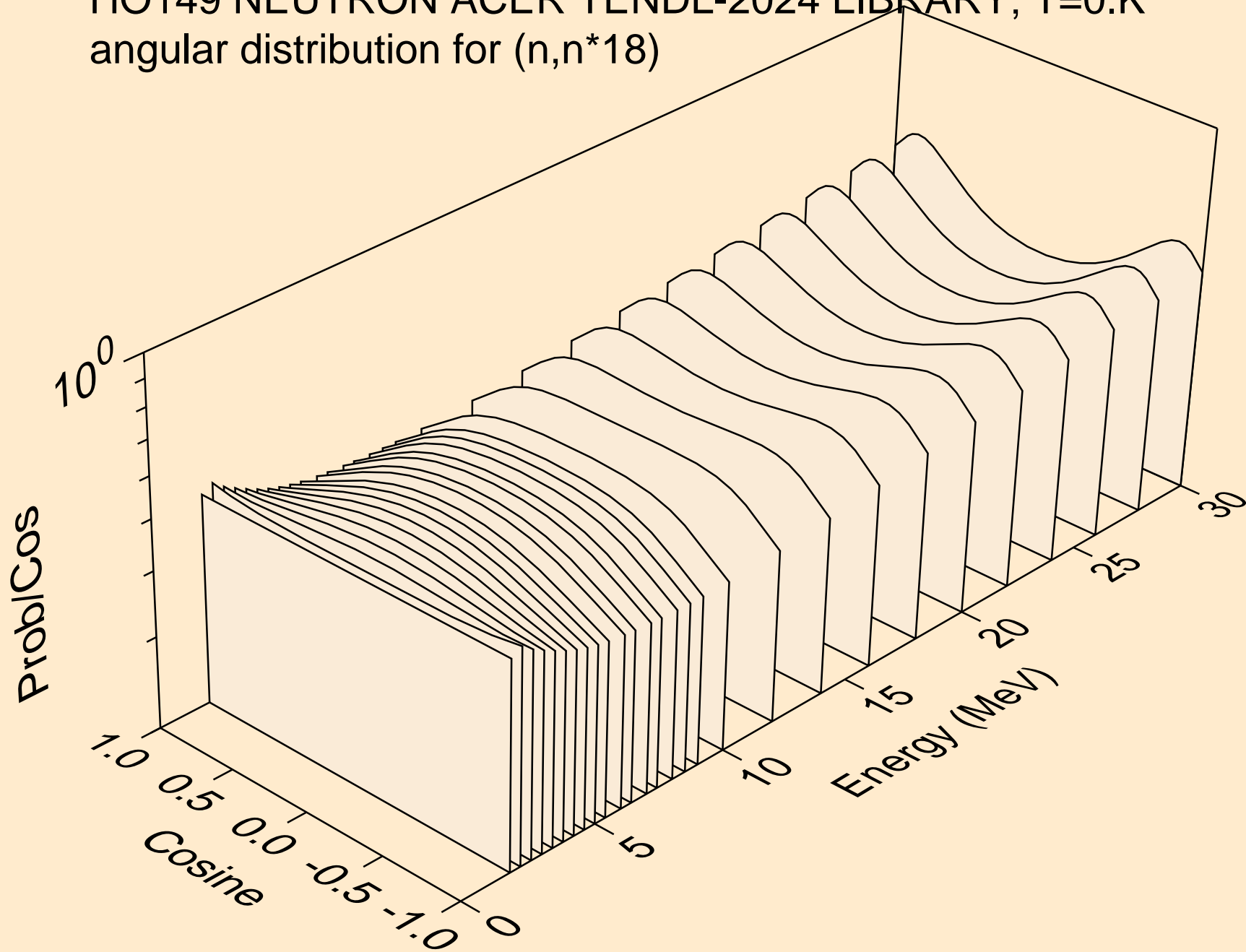
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angular distribution for (n,n\*16)



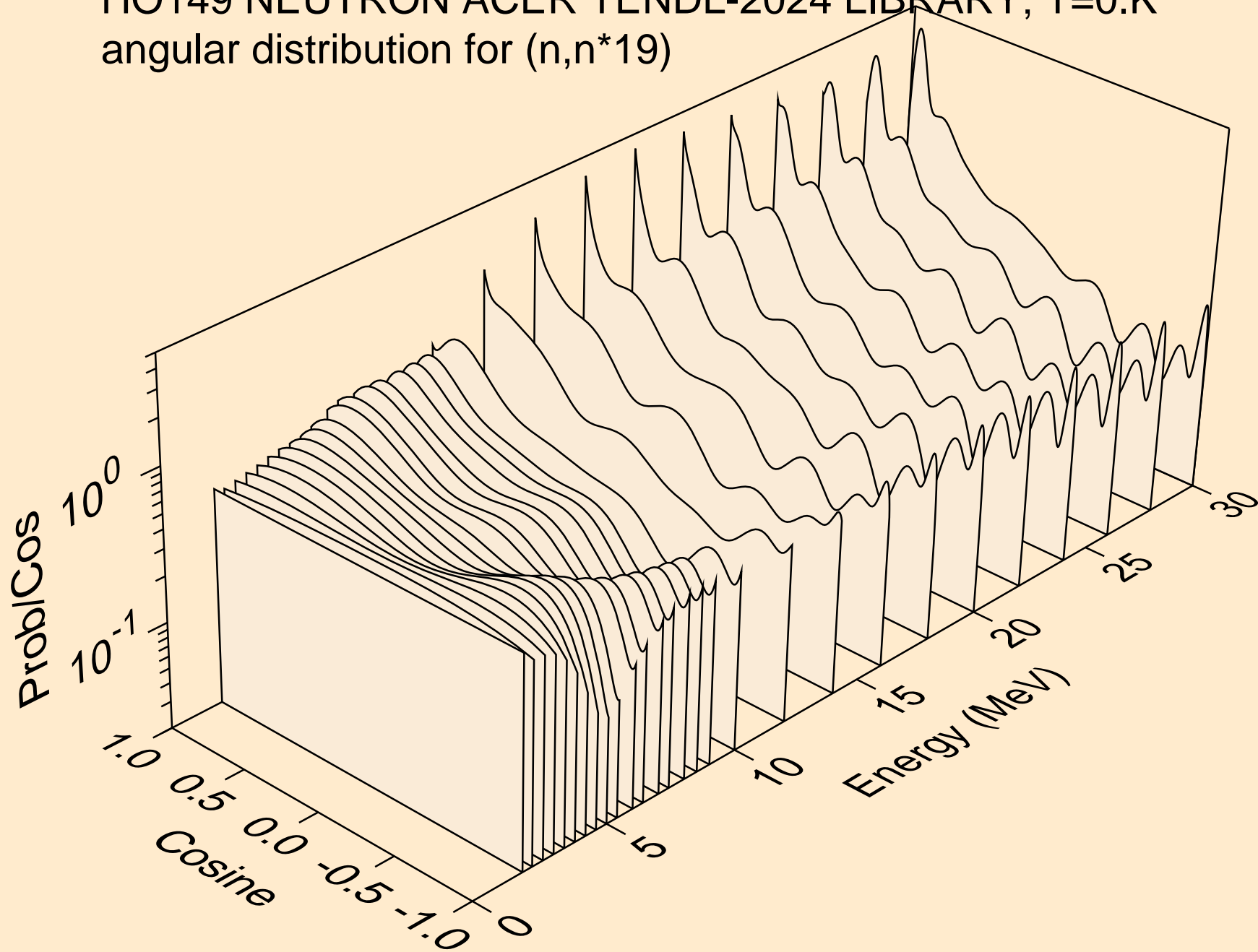
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angular distribution for (n,n\*17)



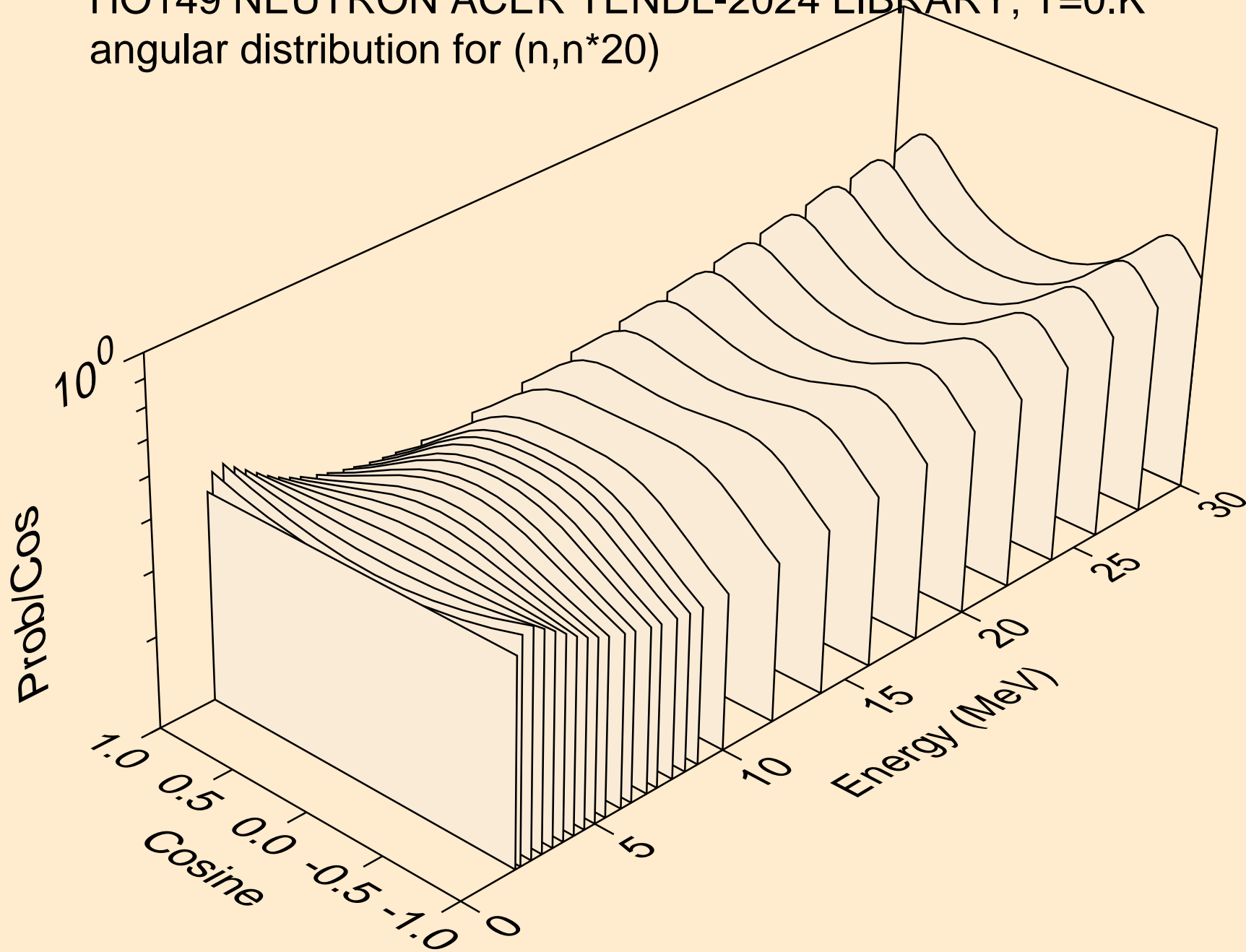
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angular distribution for (n,n\*18)



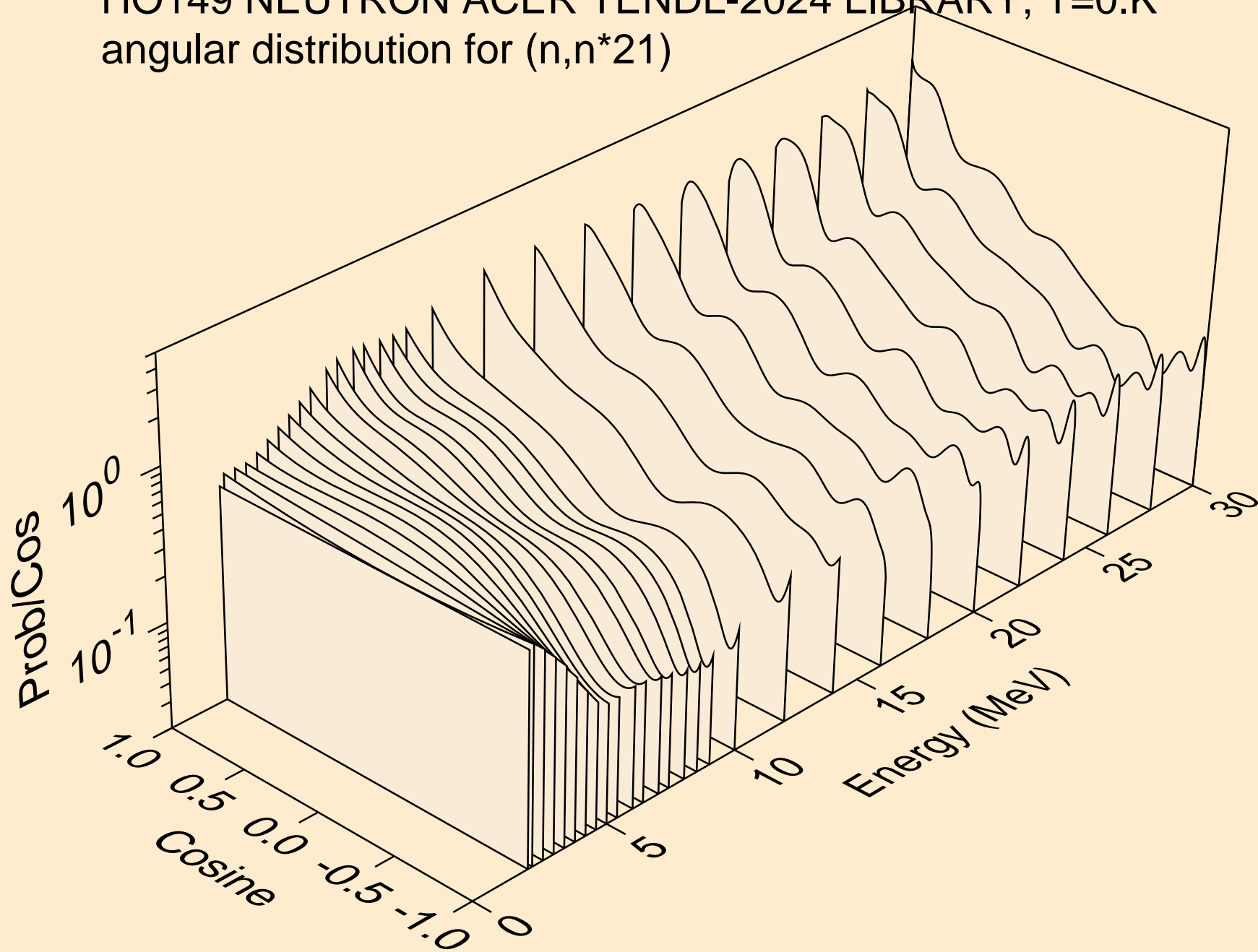
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angular distribution for (n,n\*19)



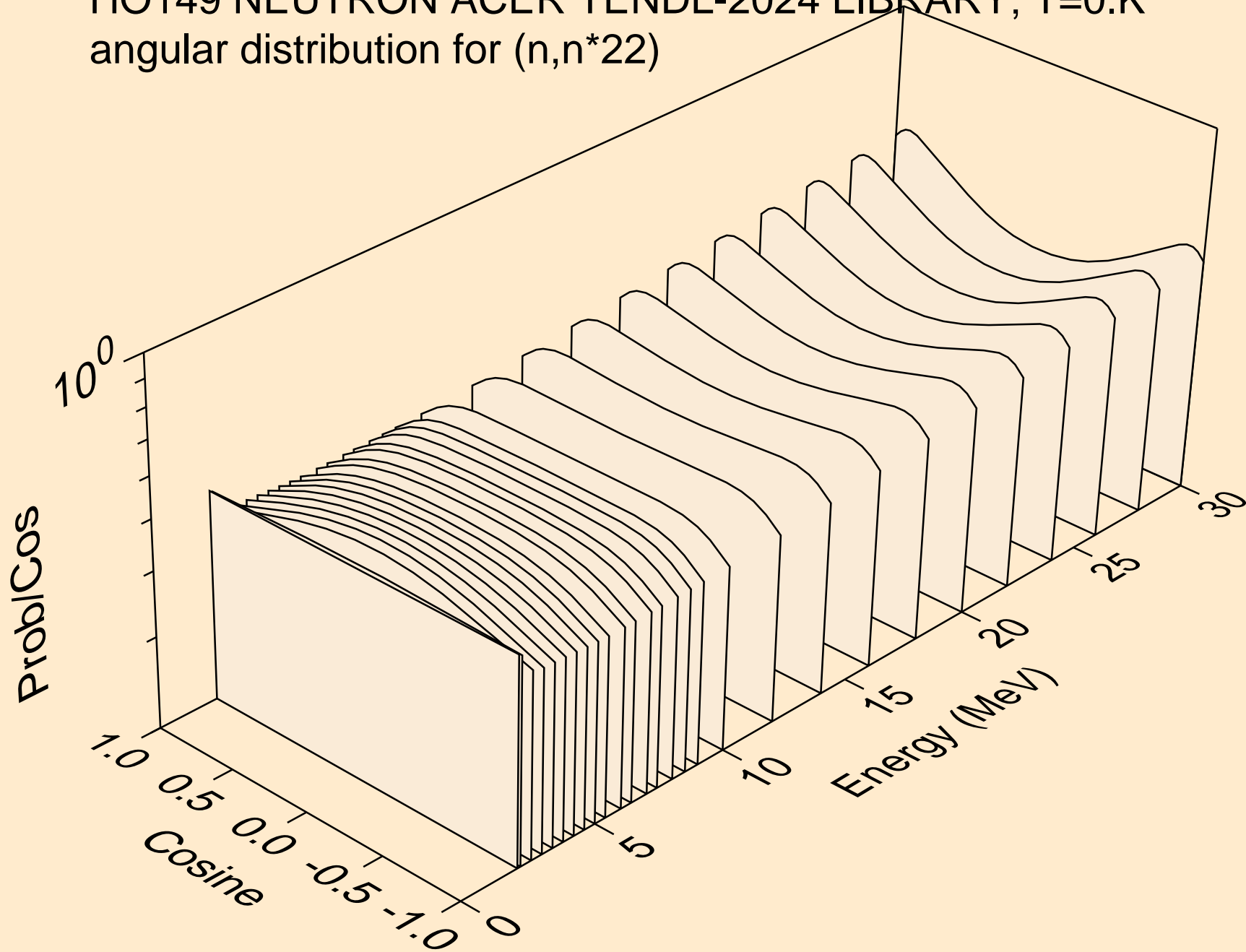
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angular distribution for (n,n\*20)



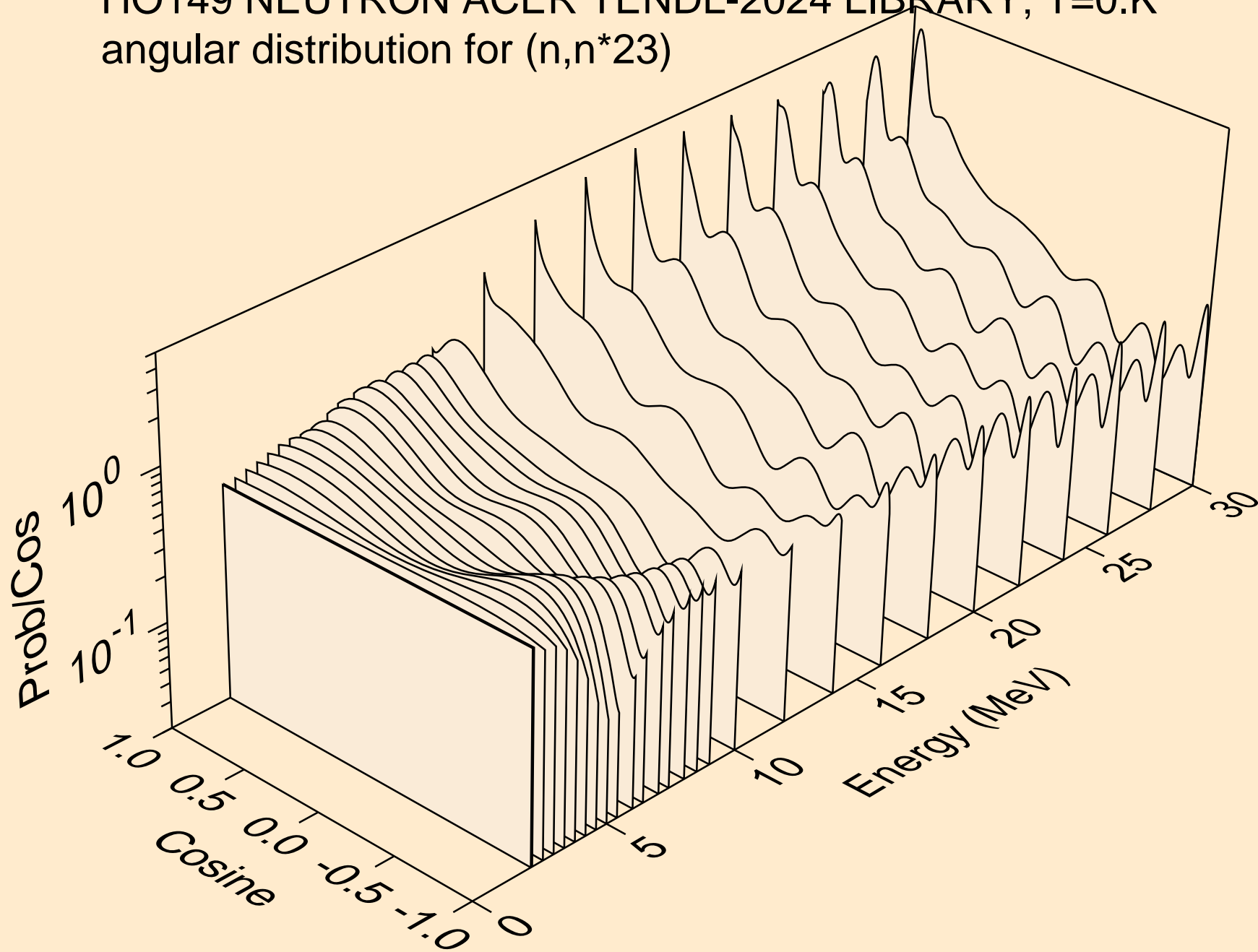
HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*21)



HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*22)

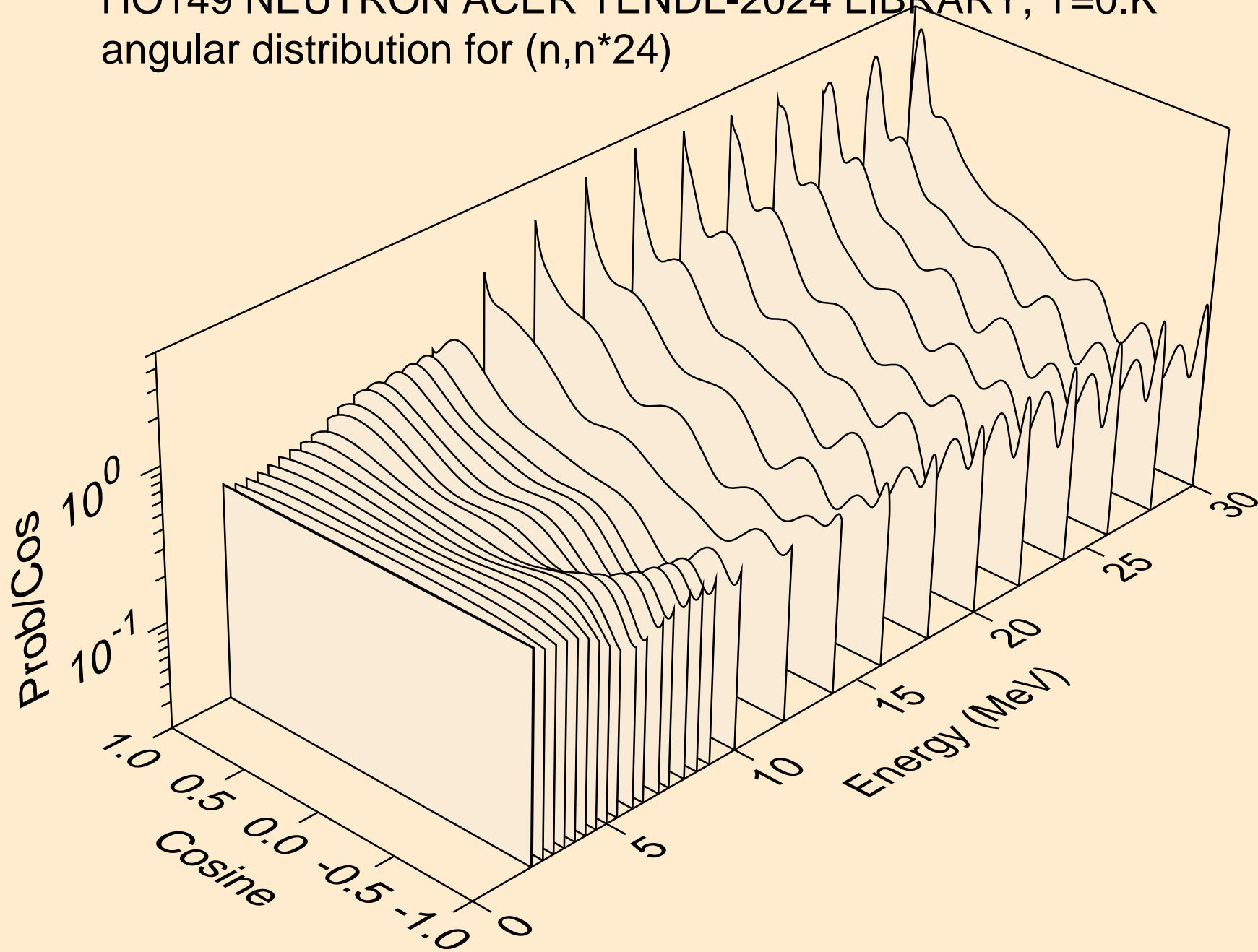


HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*23)

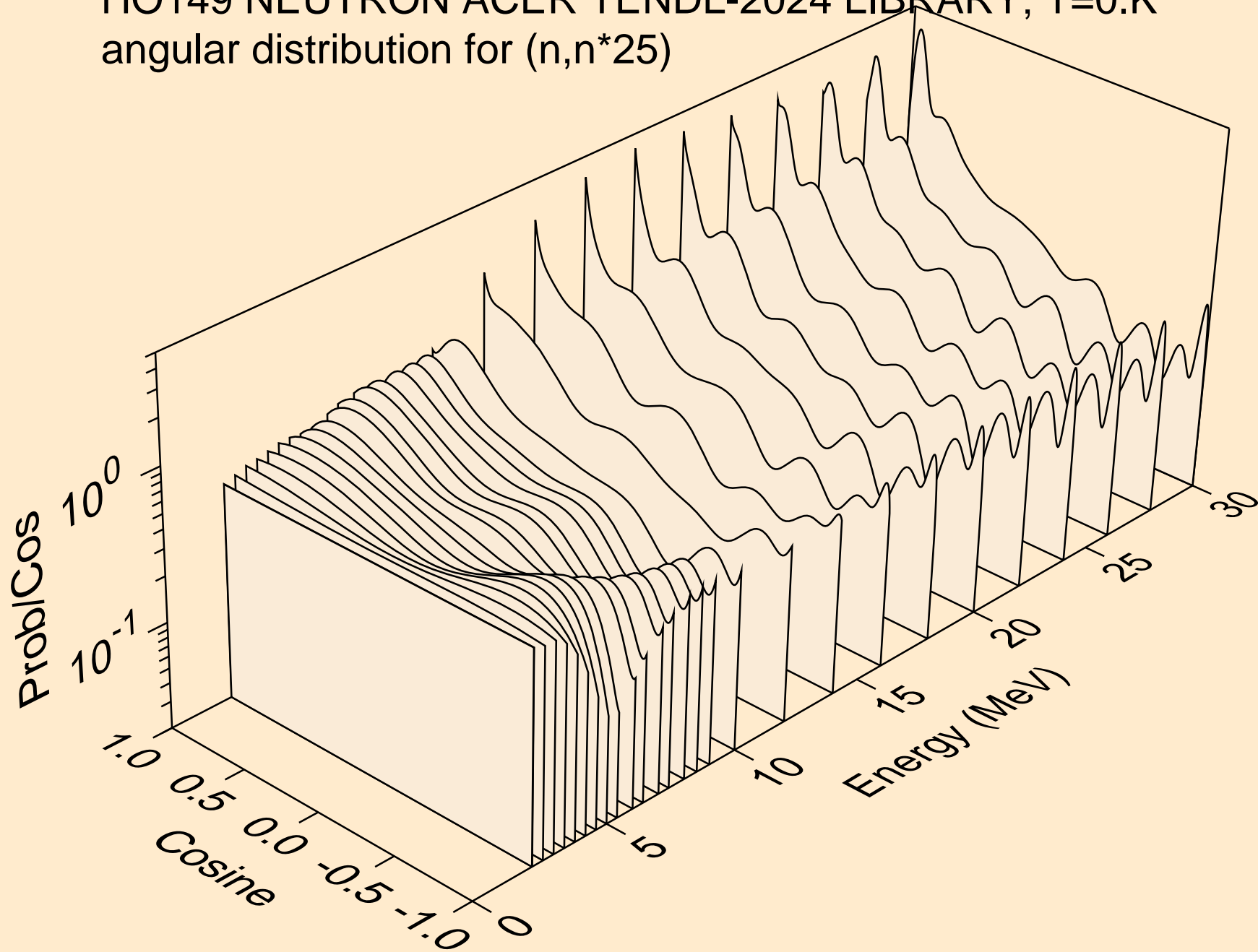




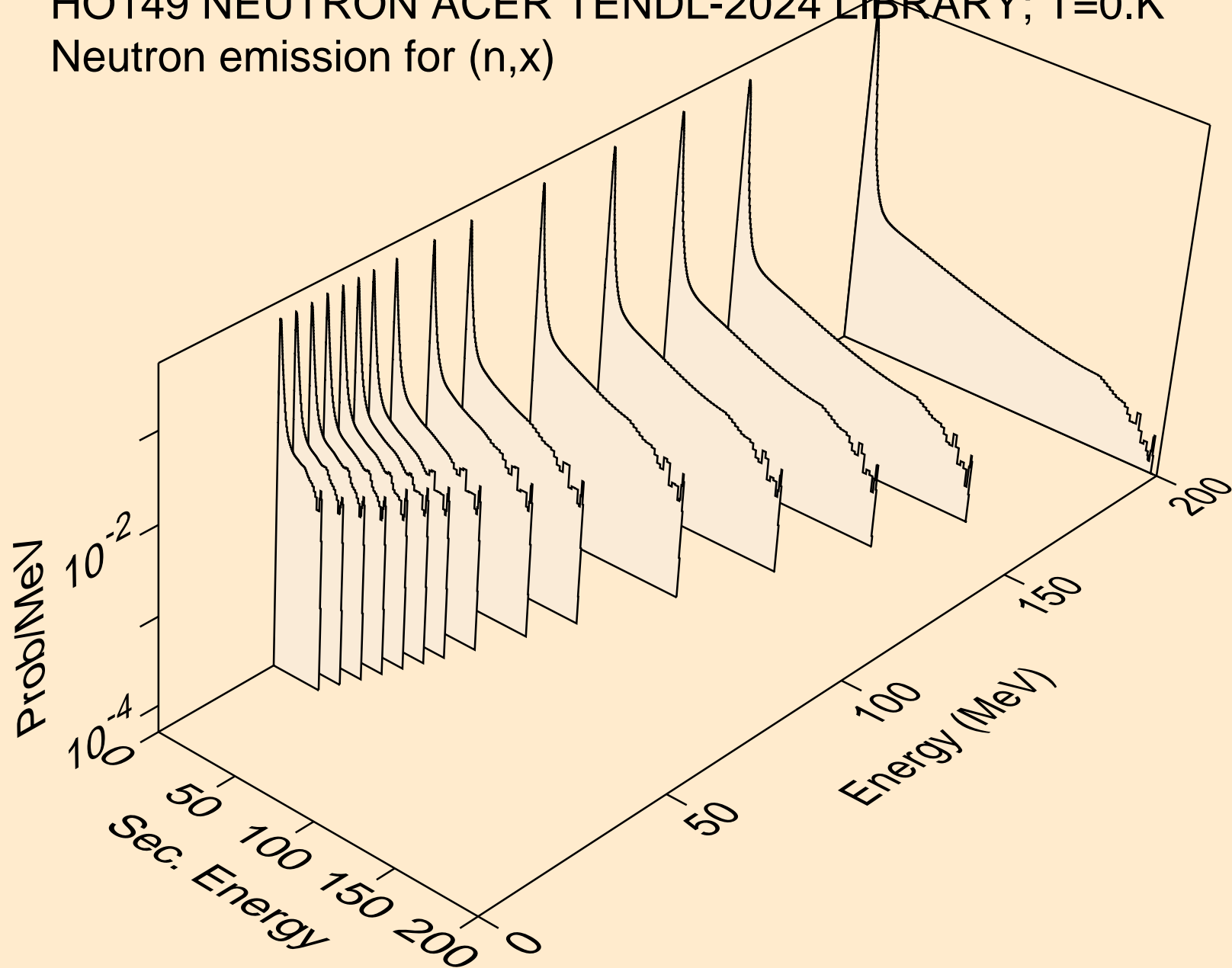
HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*24)



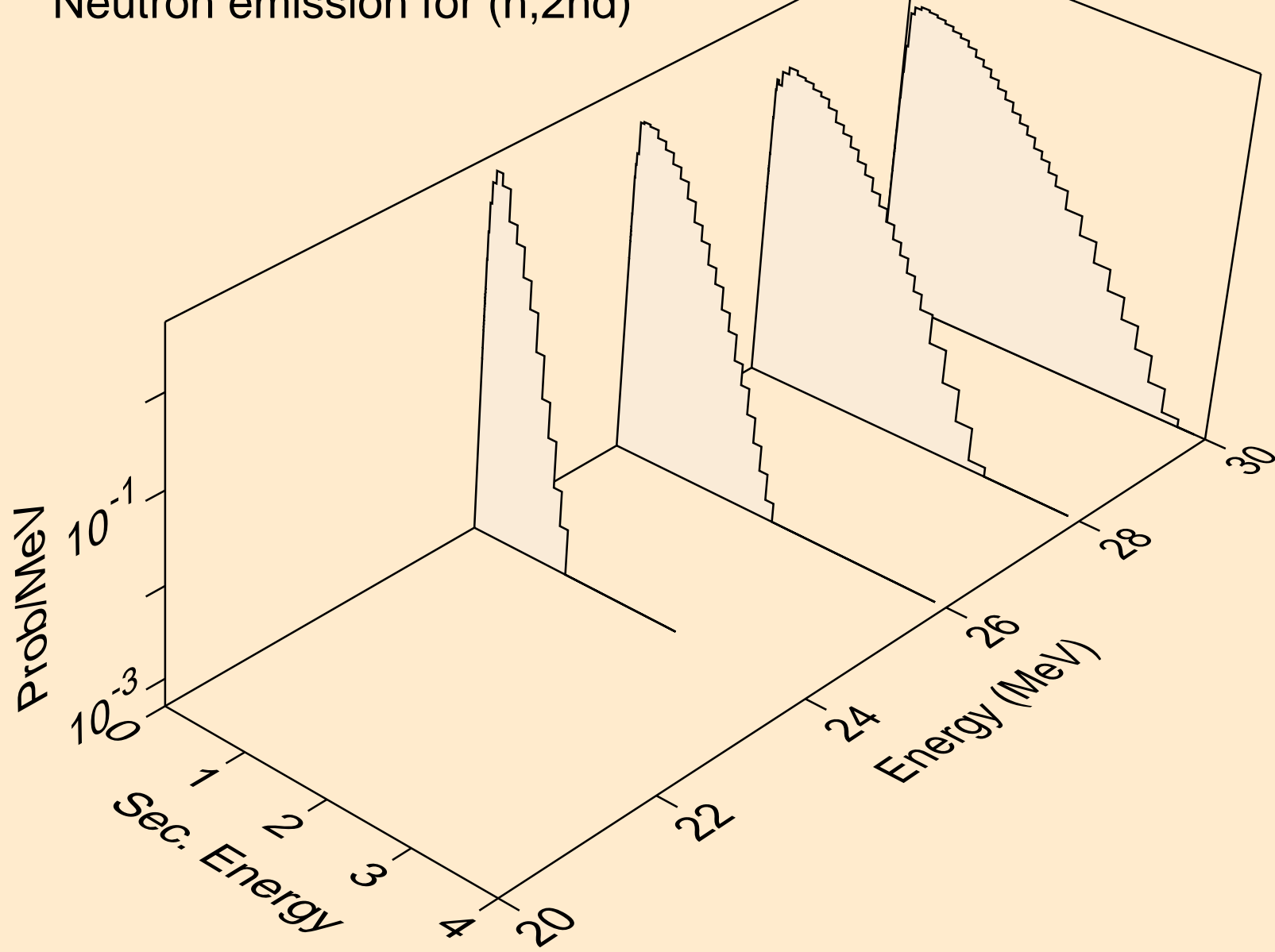
HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*25)



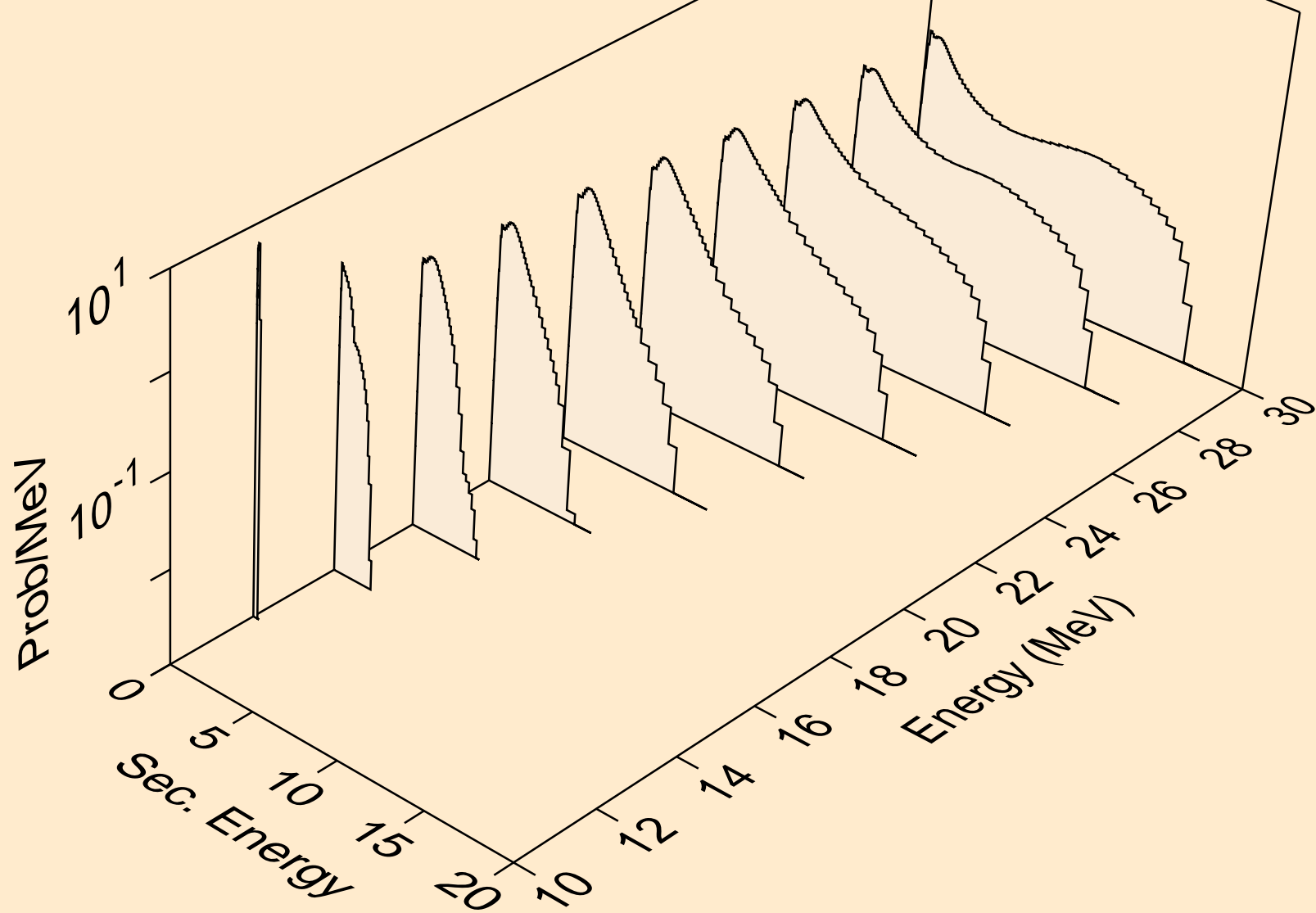
HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,x)



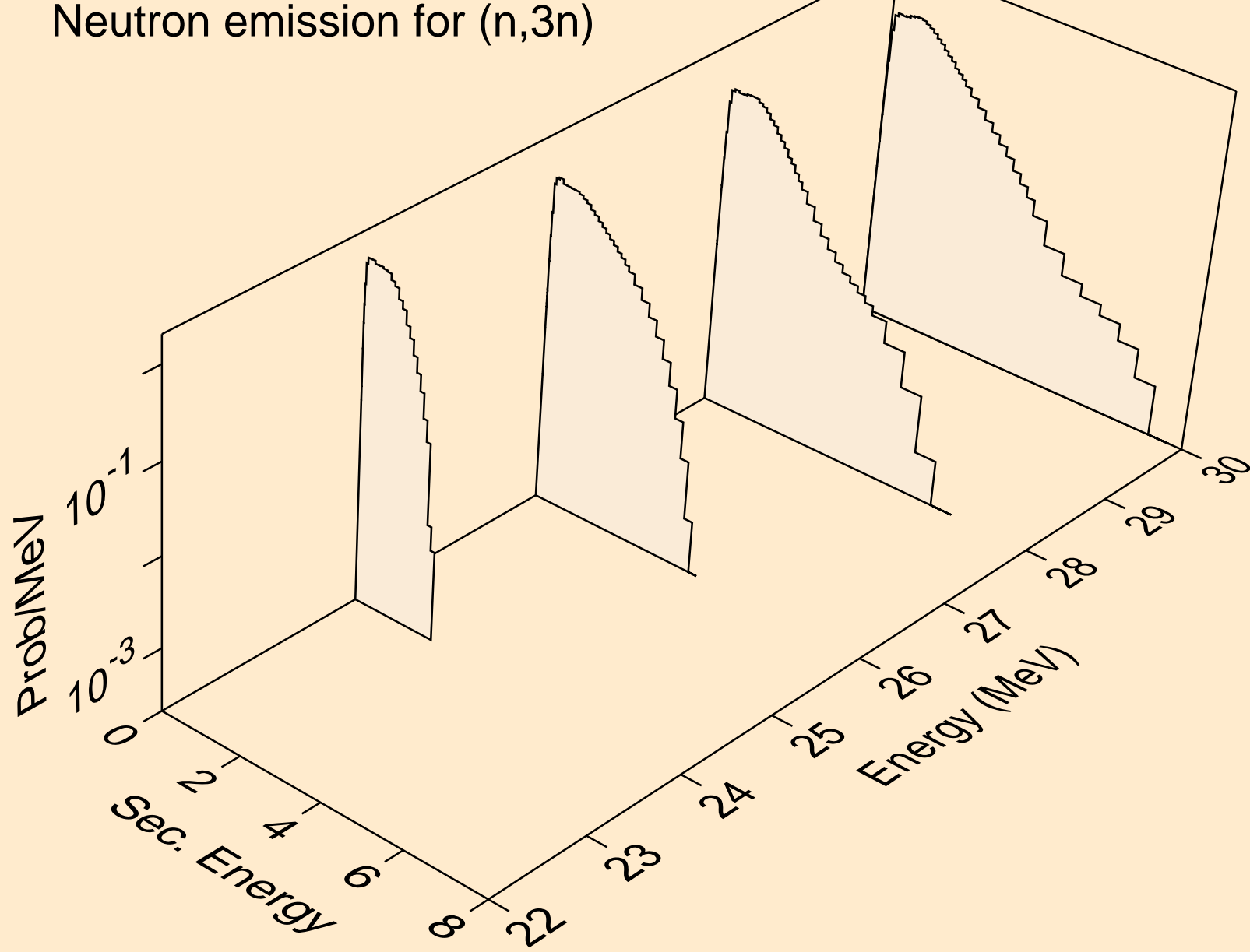
HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



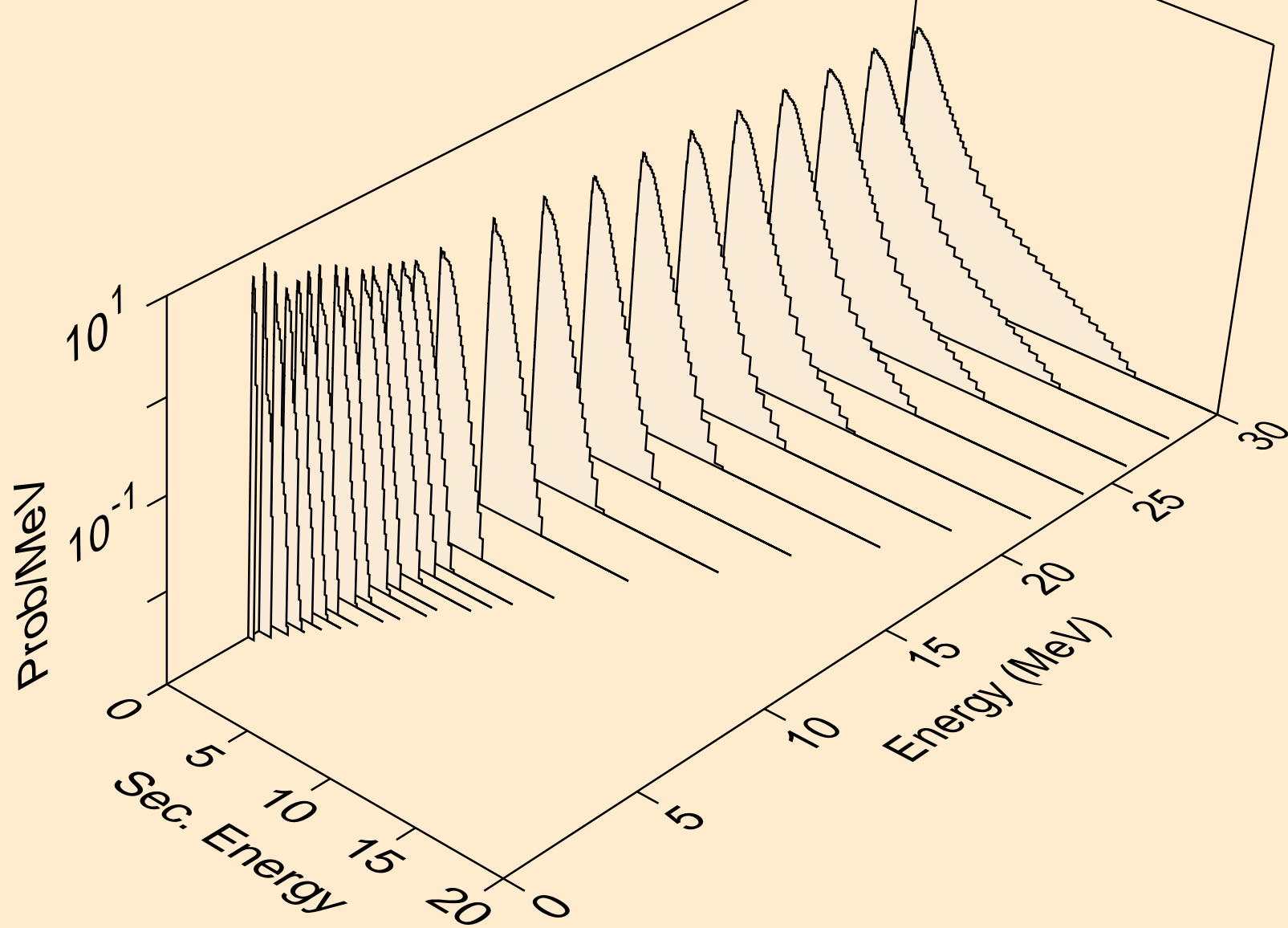
HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)



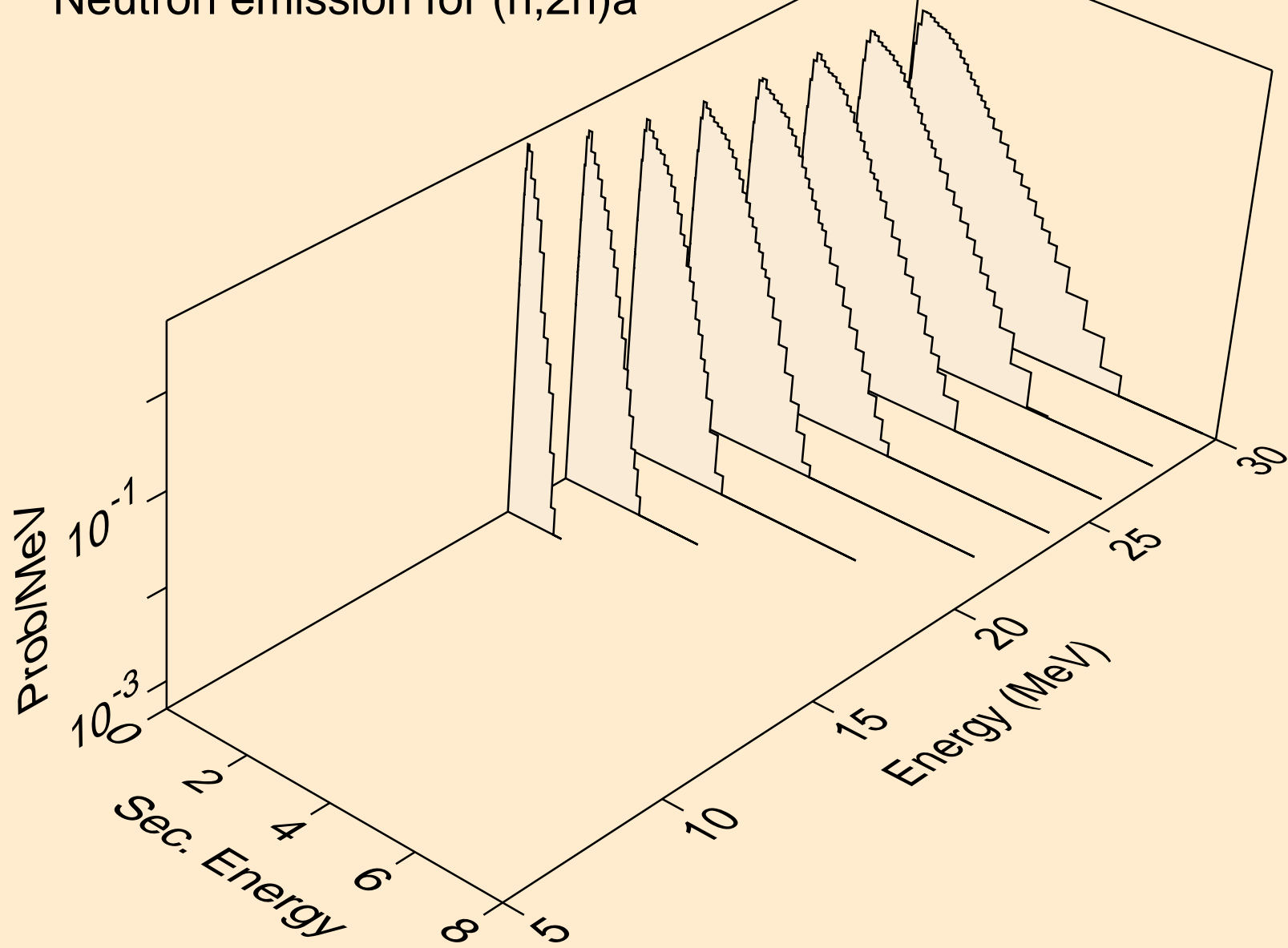
HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)



HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a

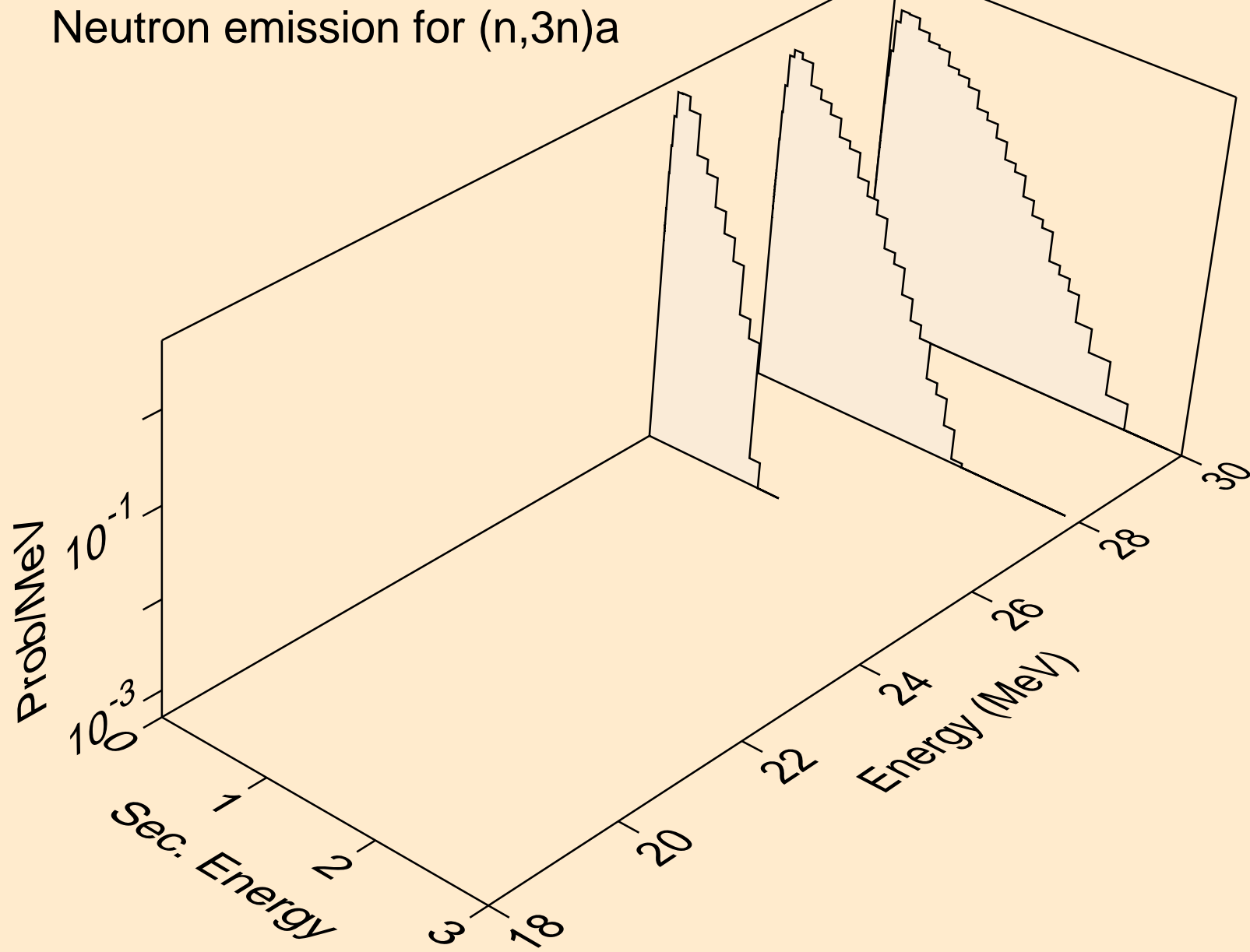


HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)a

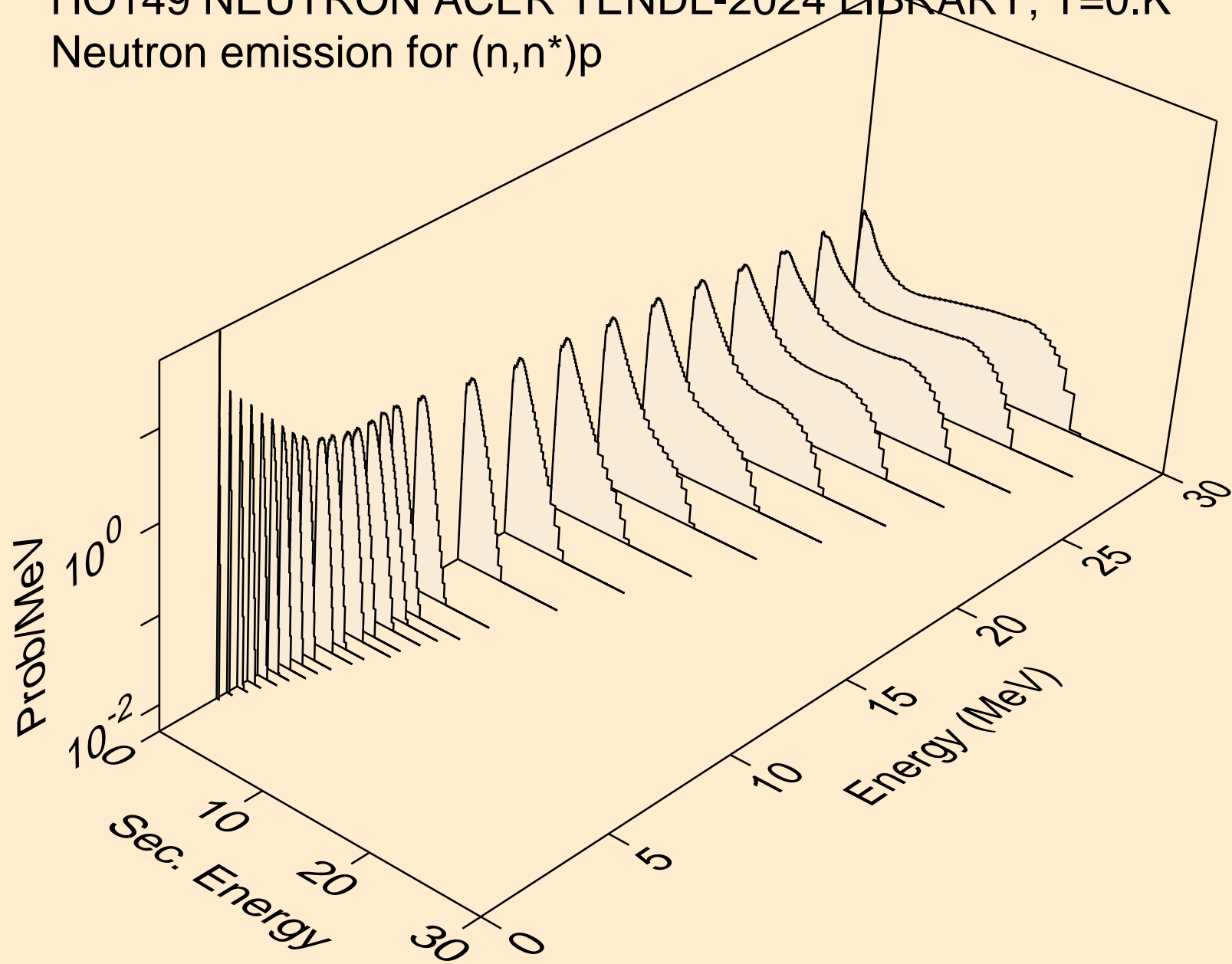




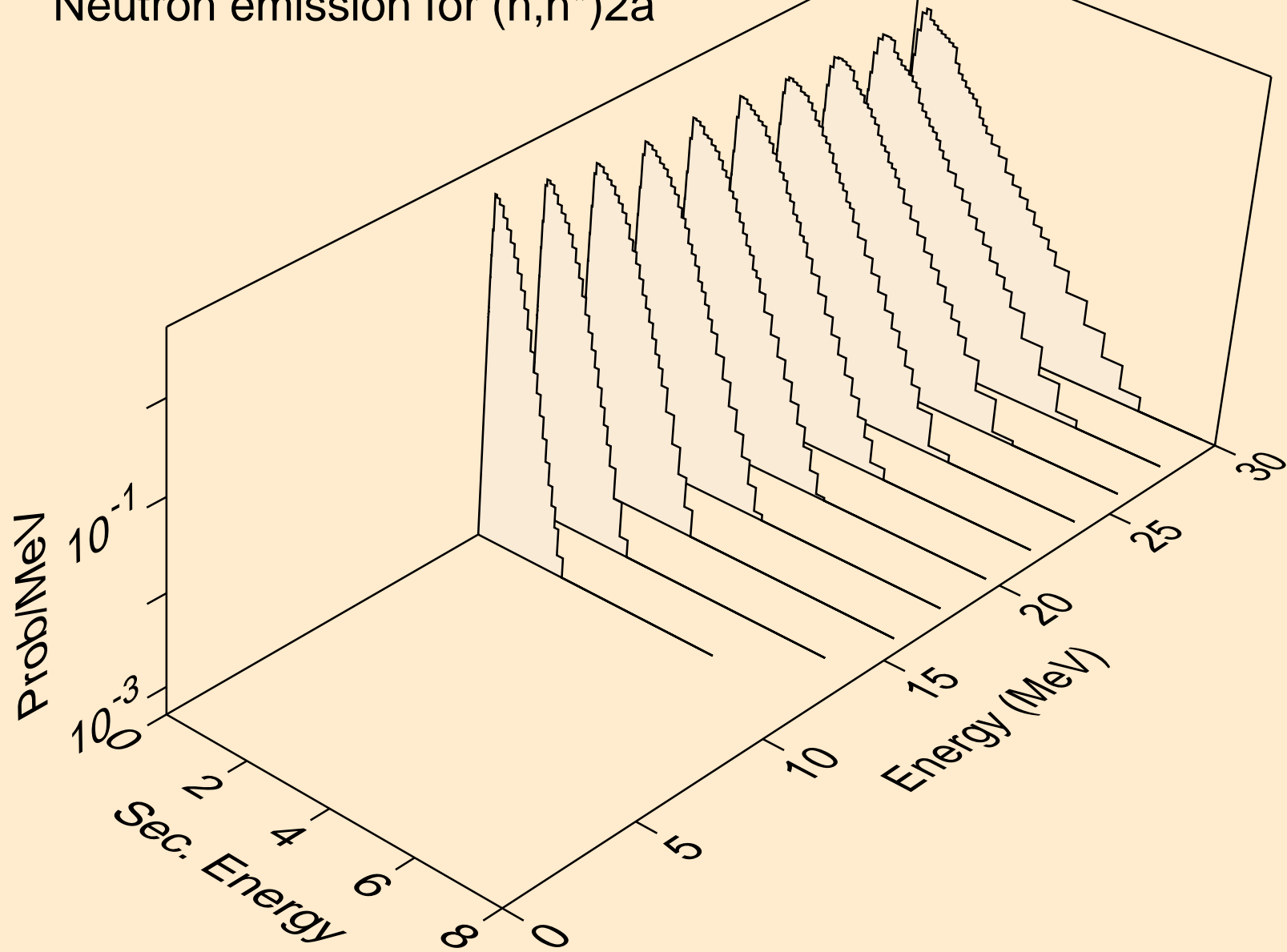
HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)a



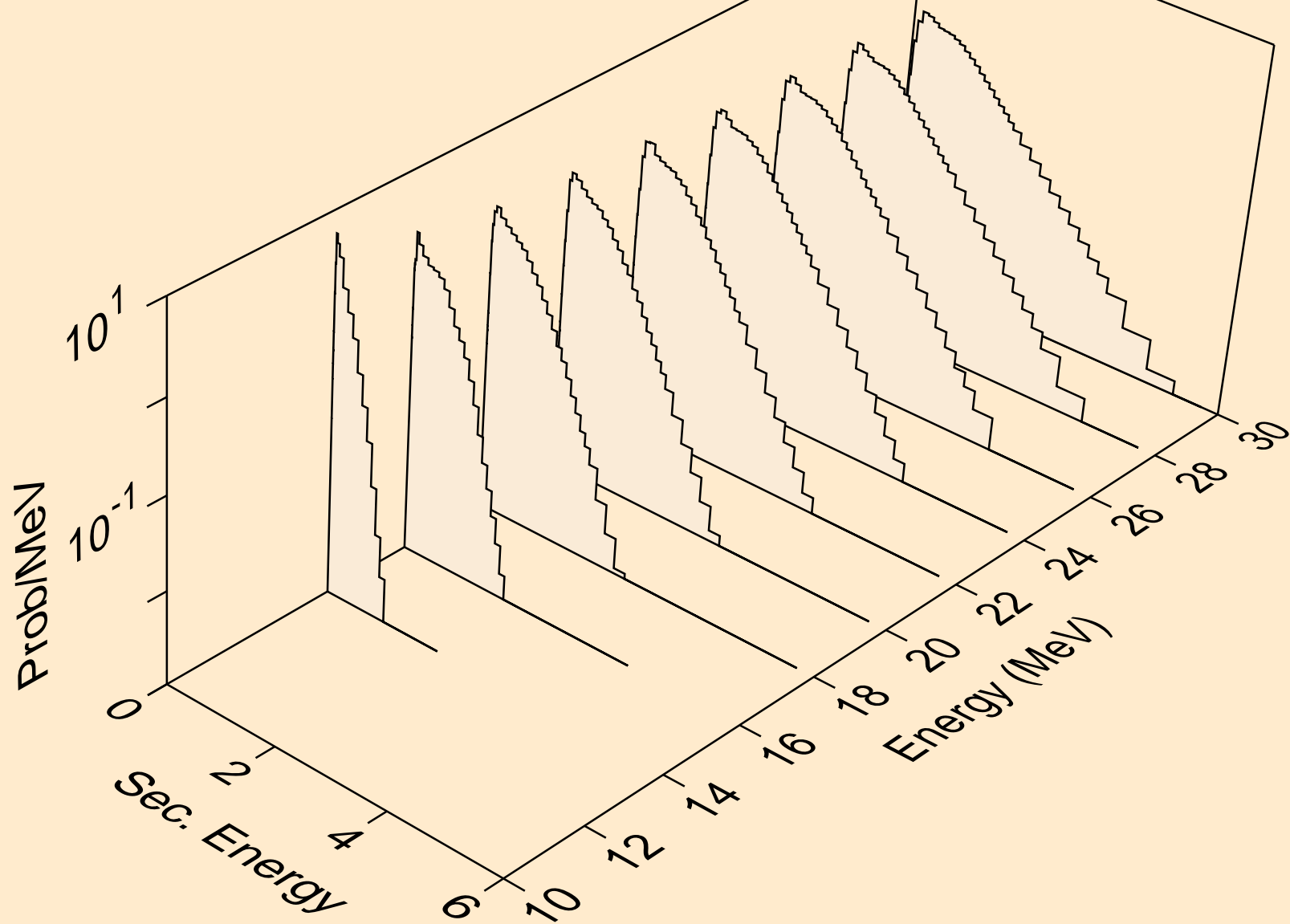
HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



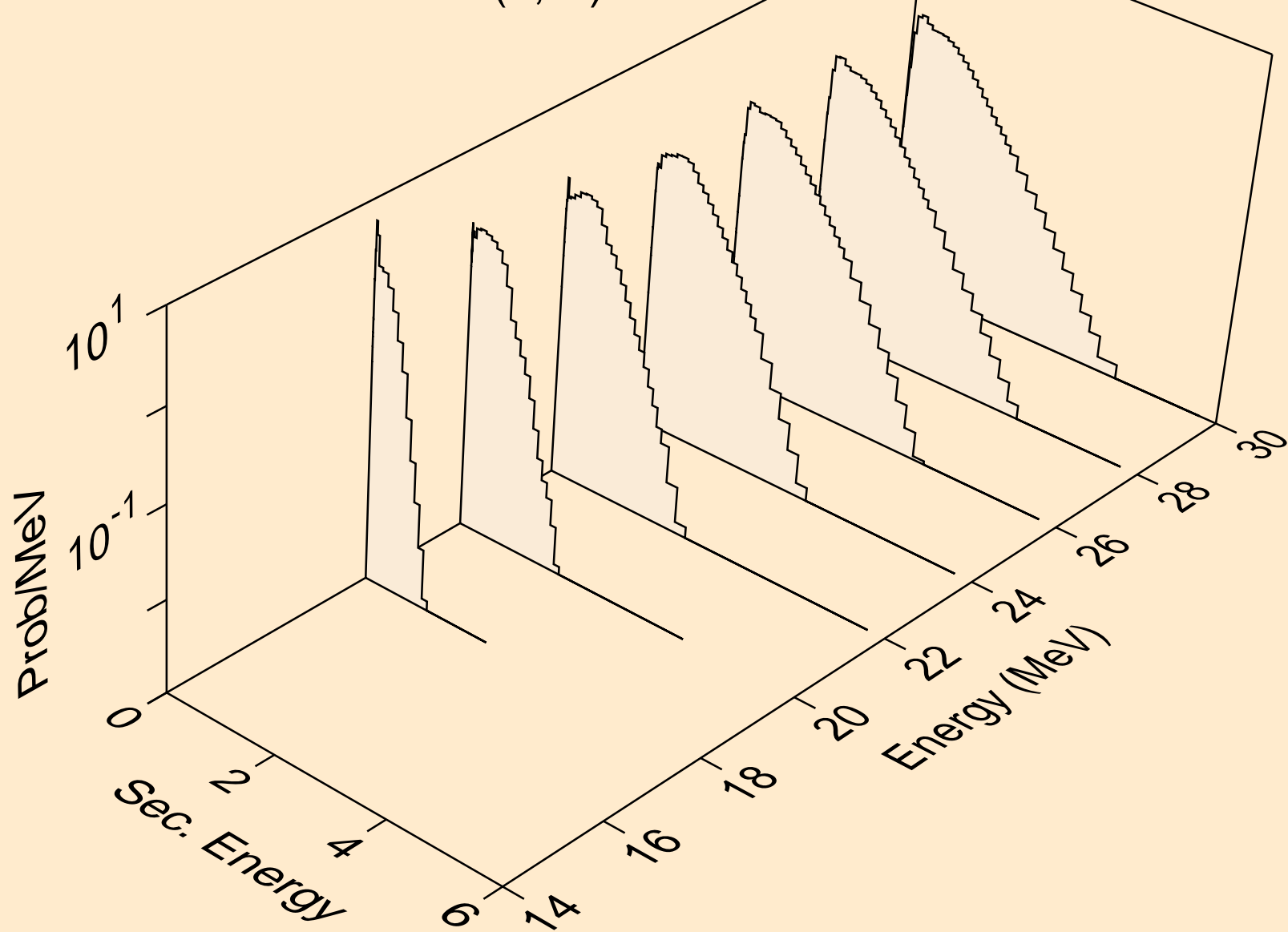
HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)2a



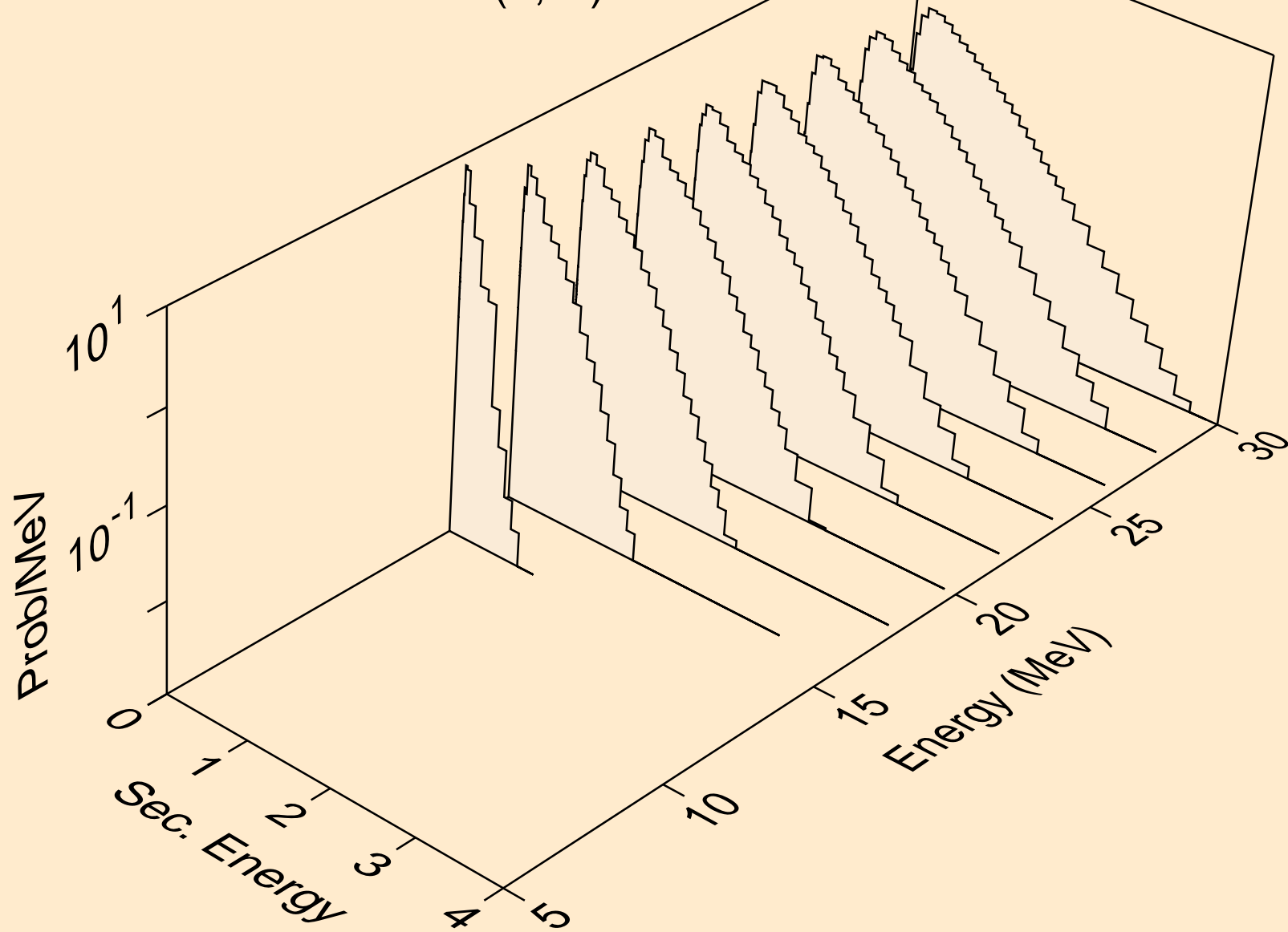
HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d



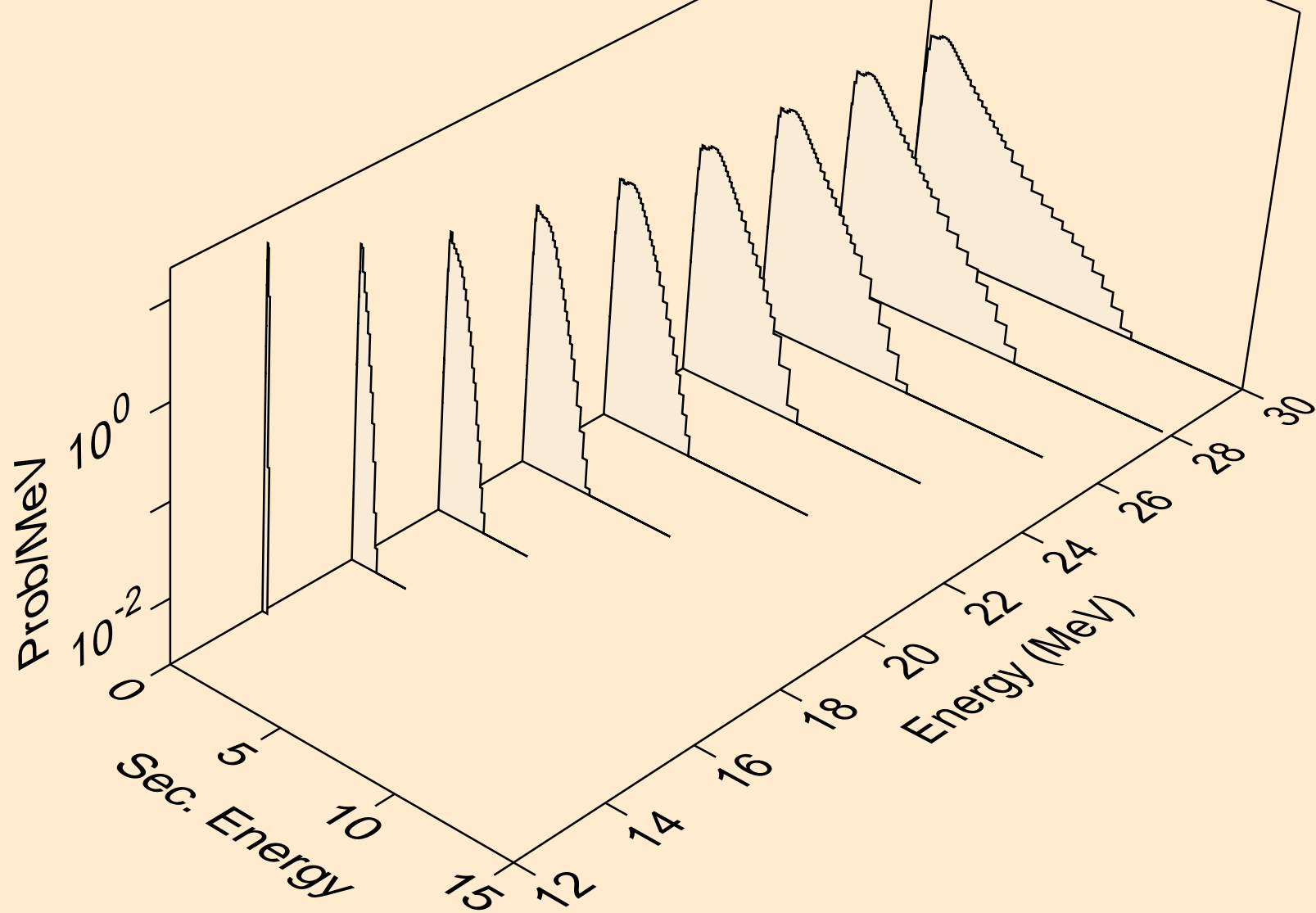
HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



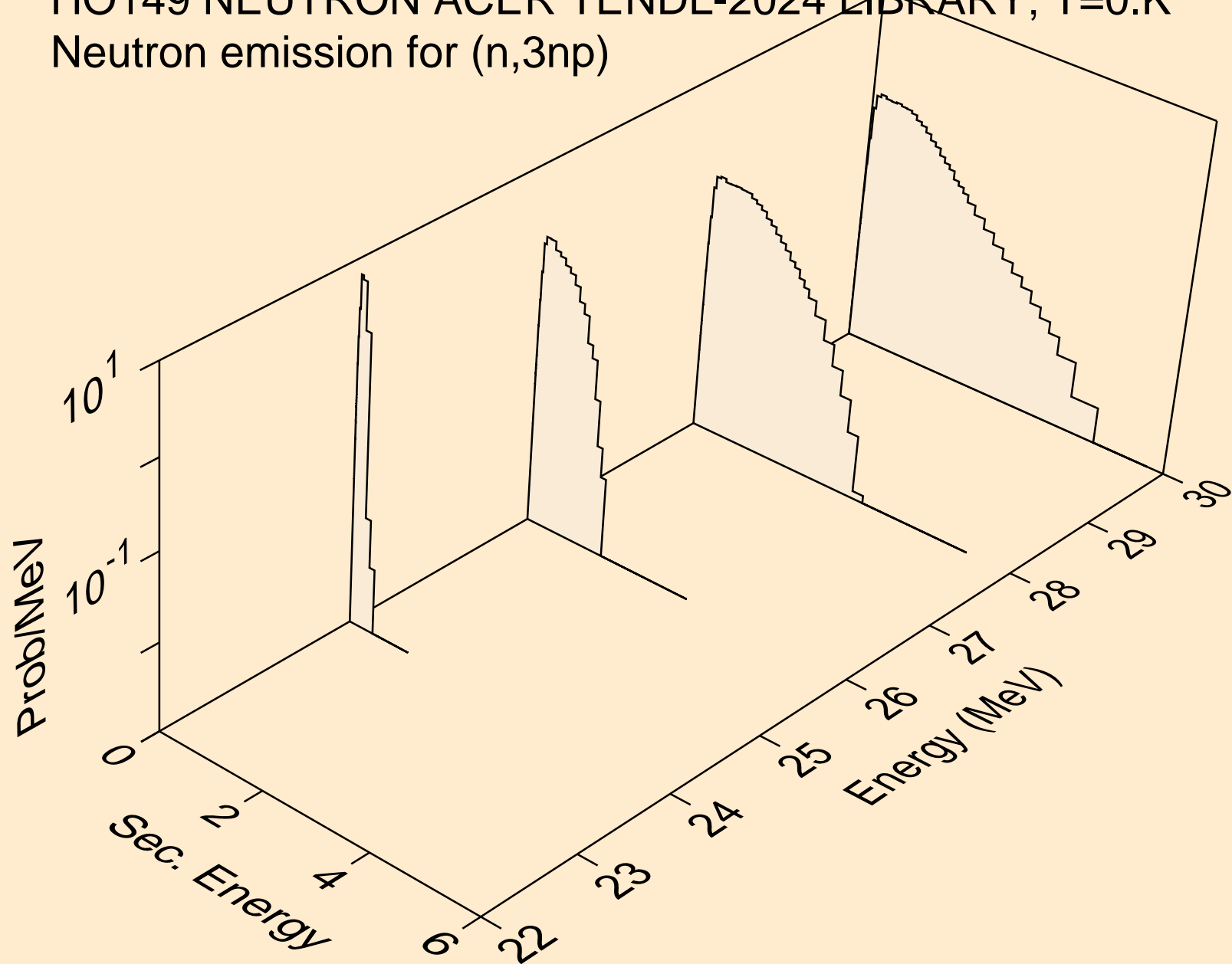
HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2np)

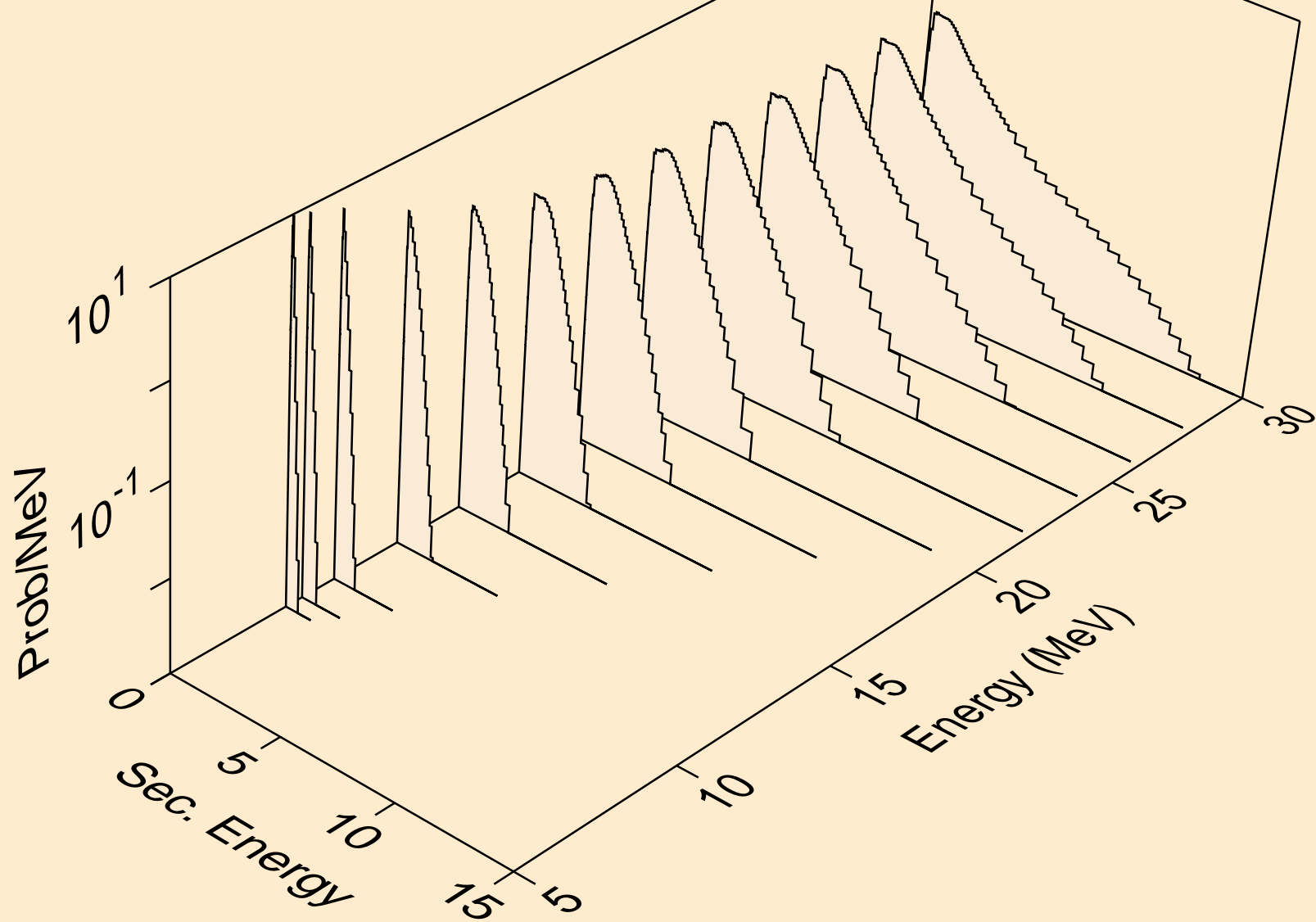


HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3np)

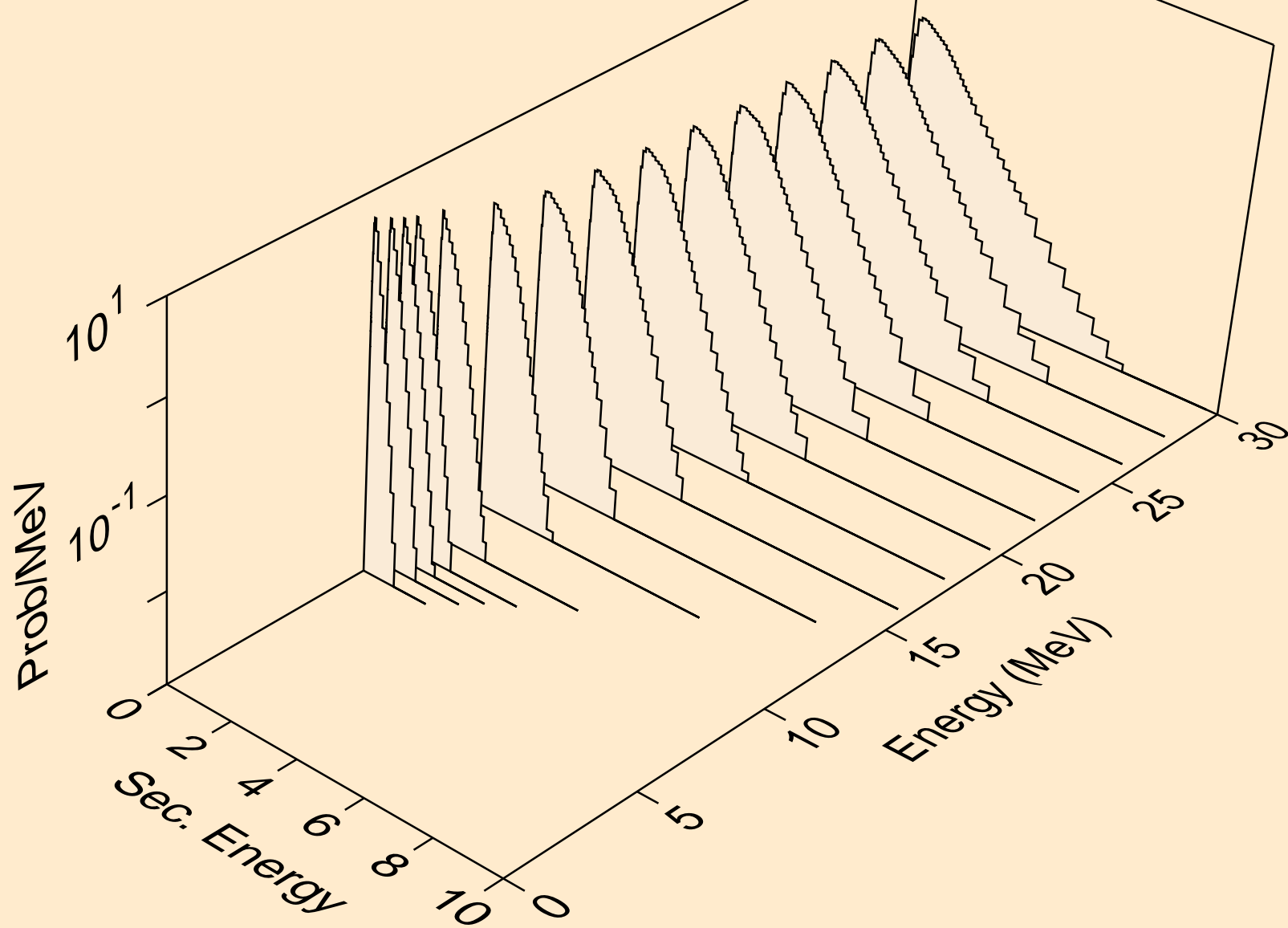




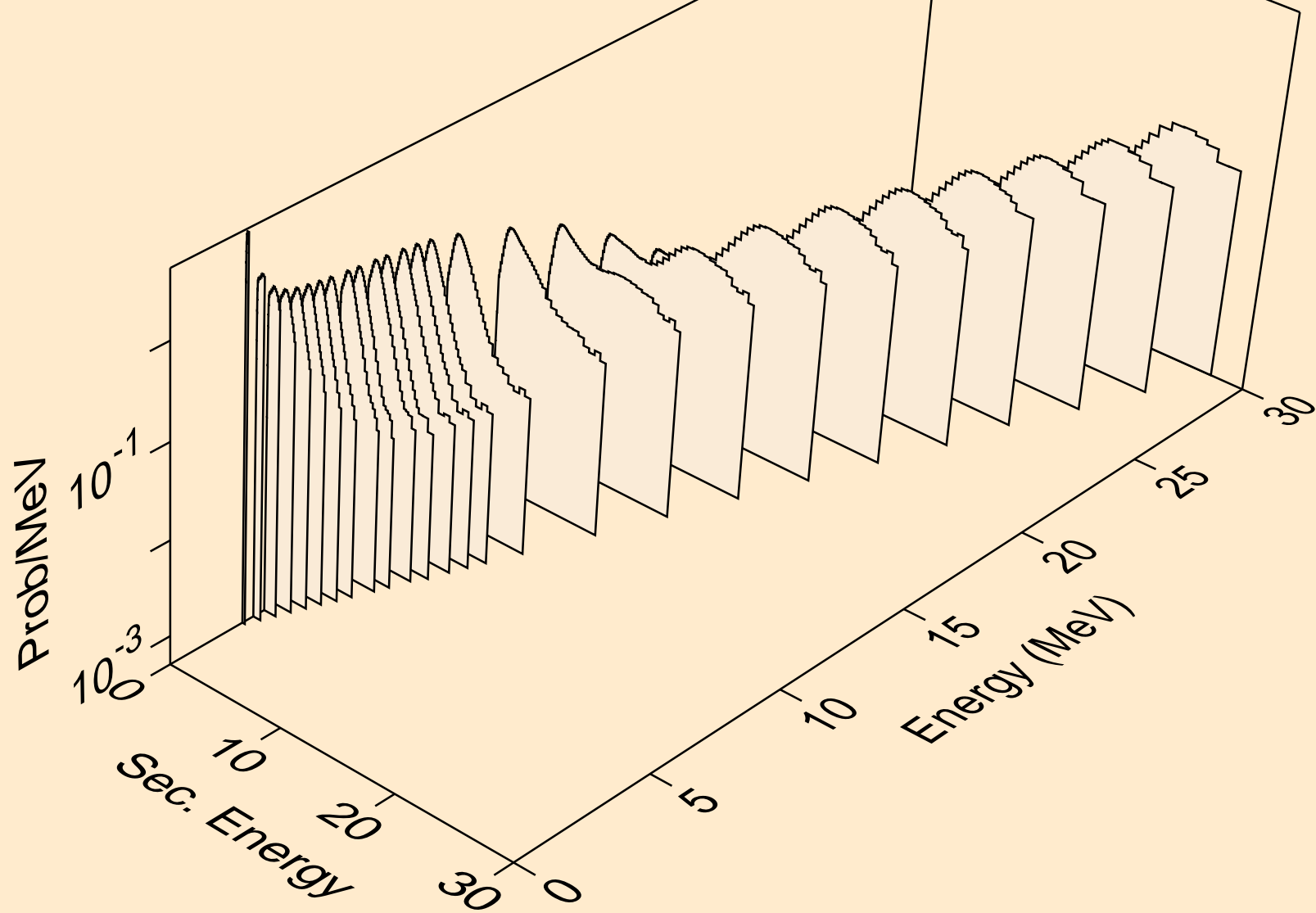
HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n2p)



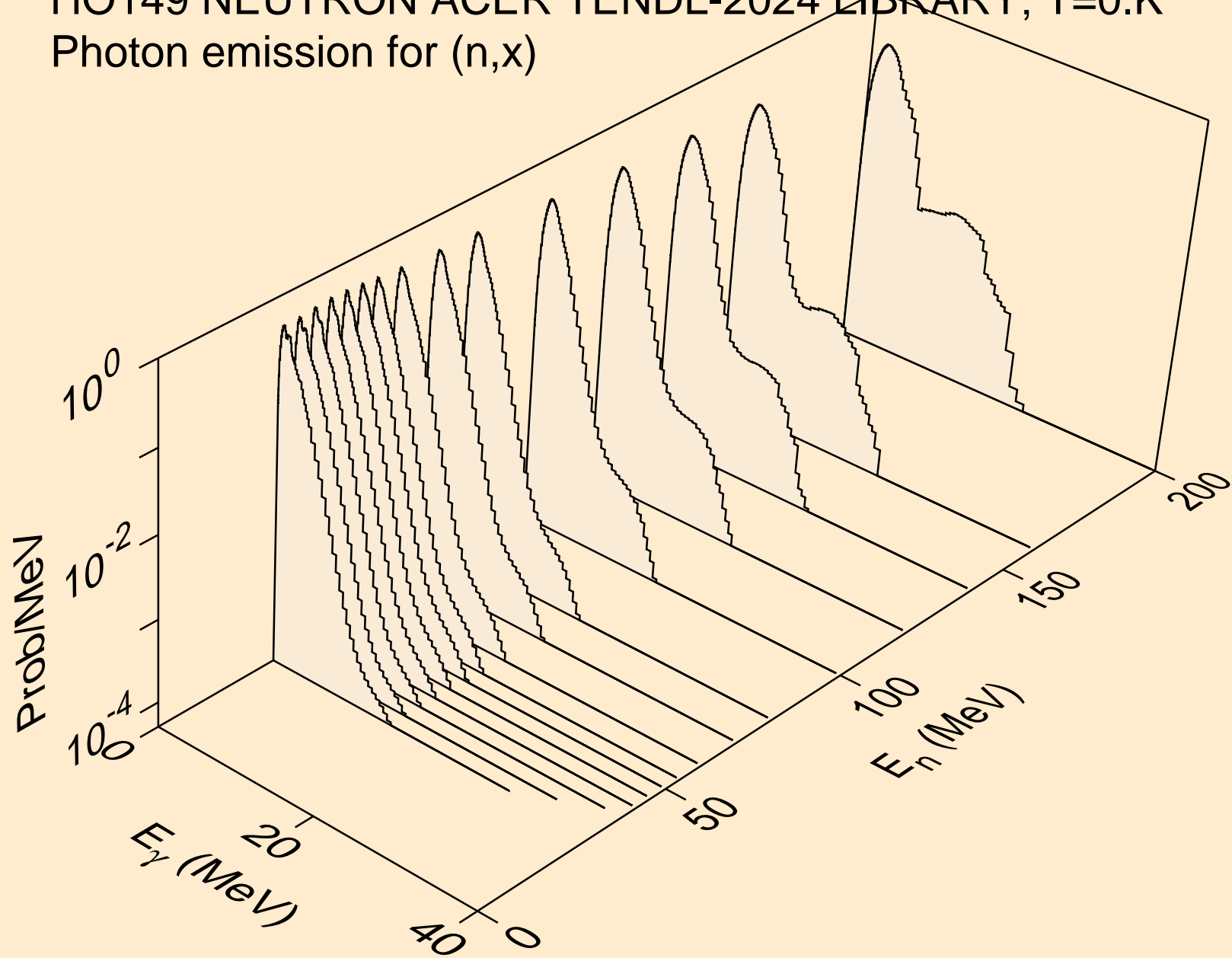
HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,npa)



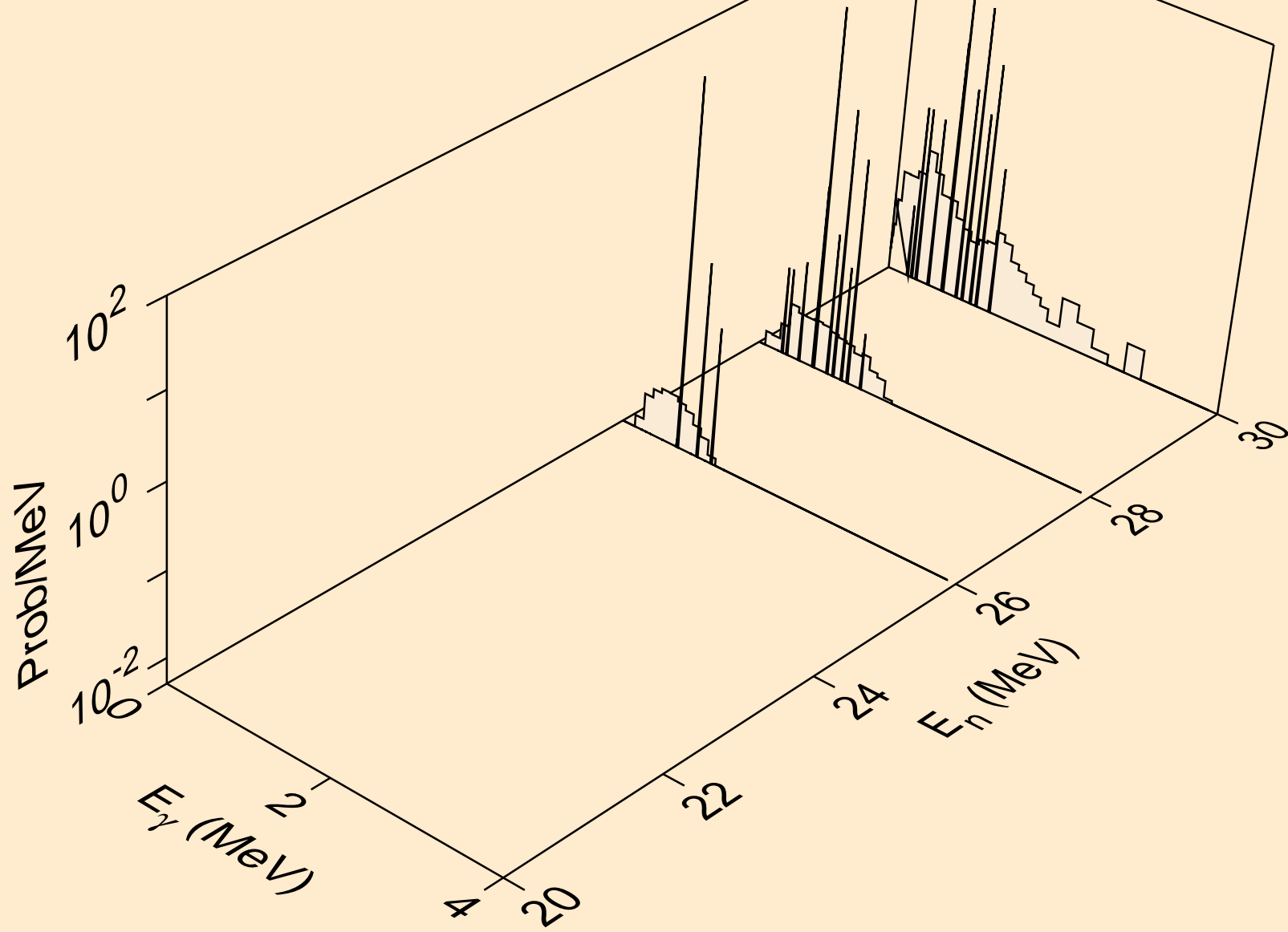
HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)



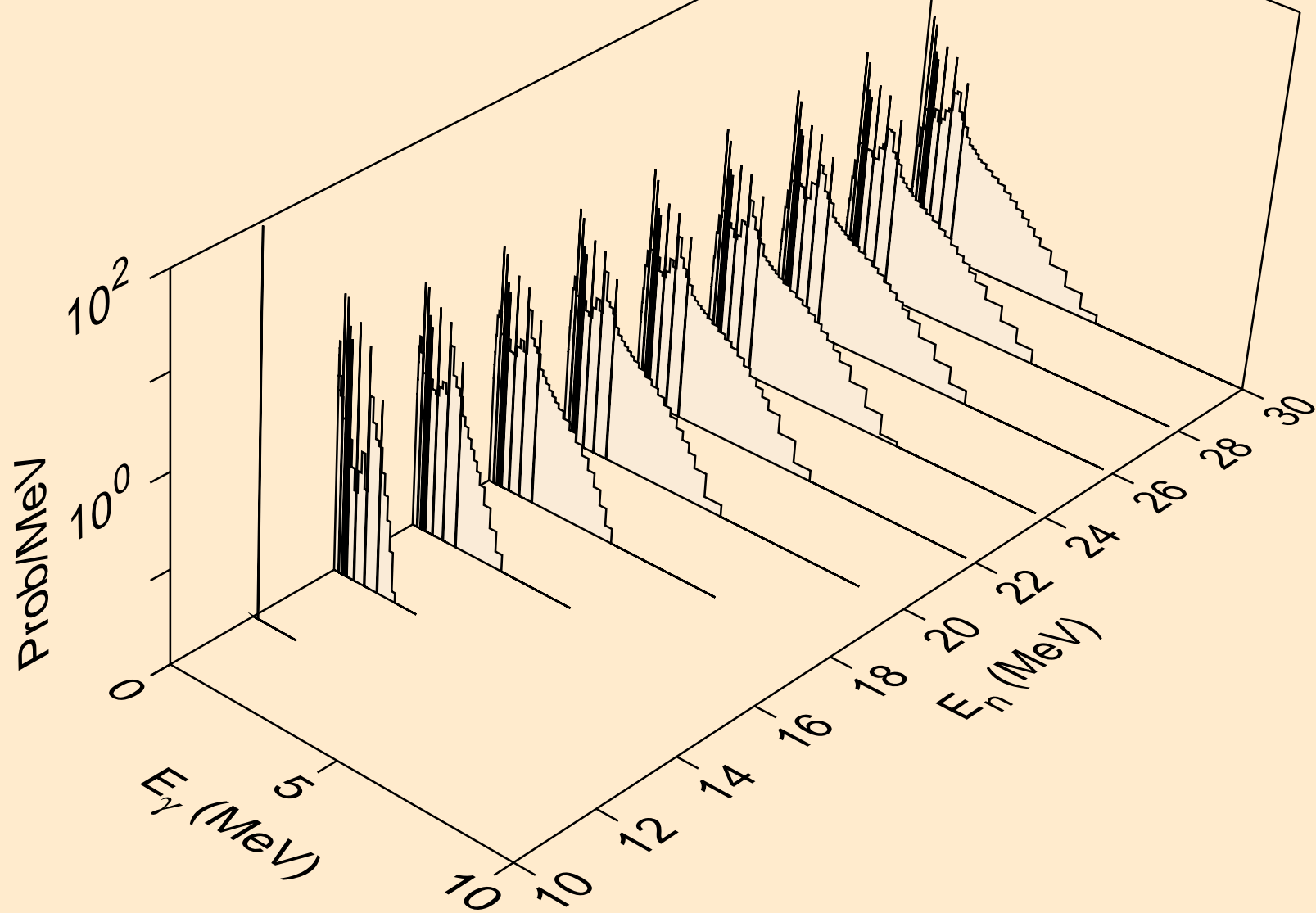
HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,x)



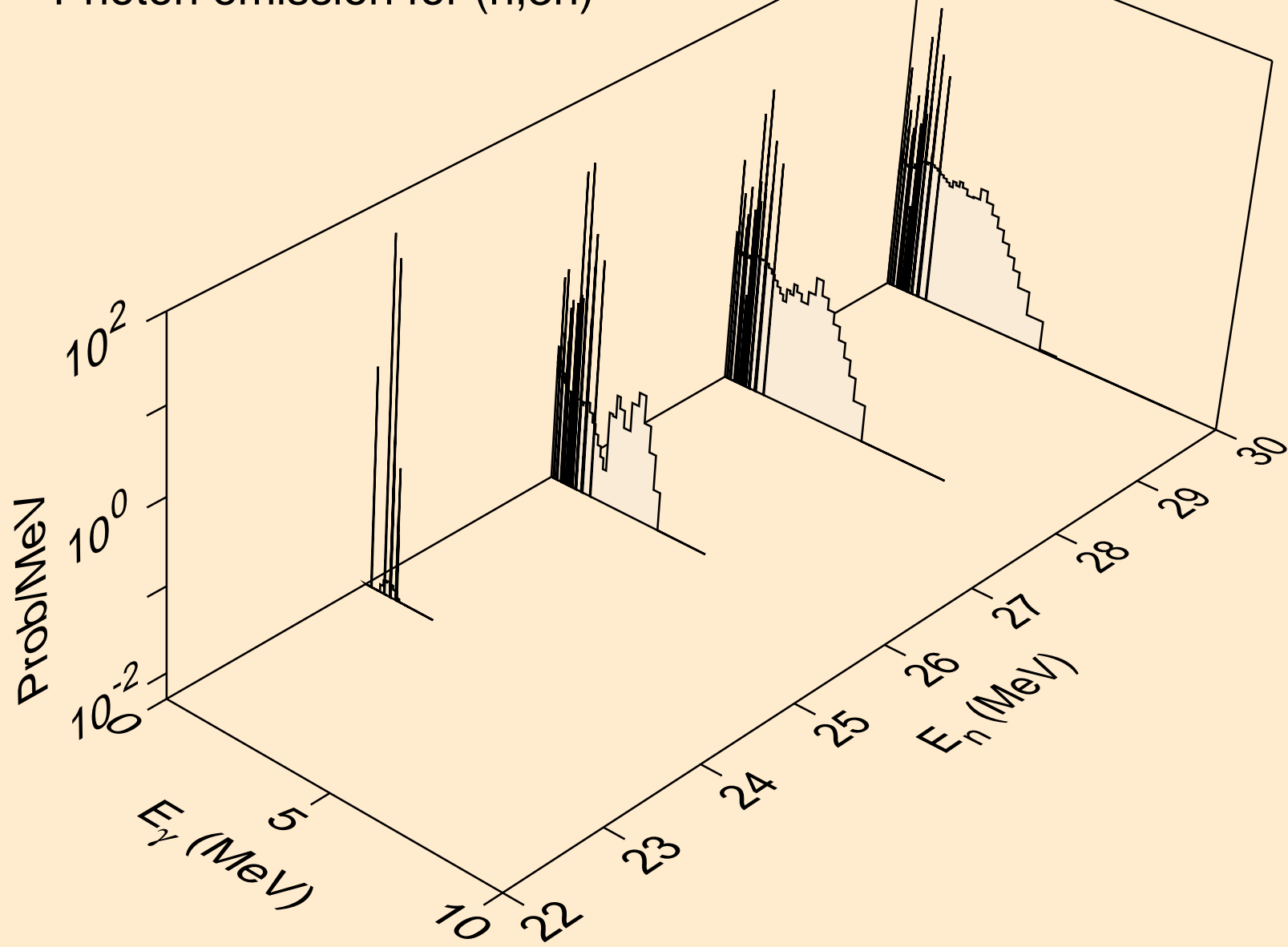
HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2nd)



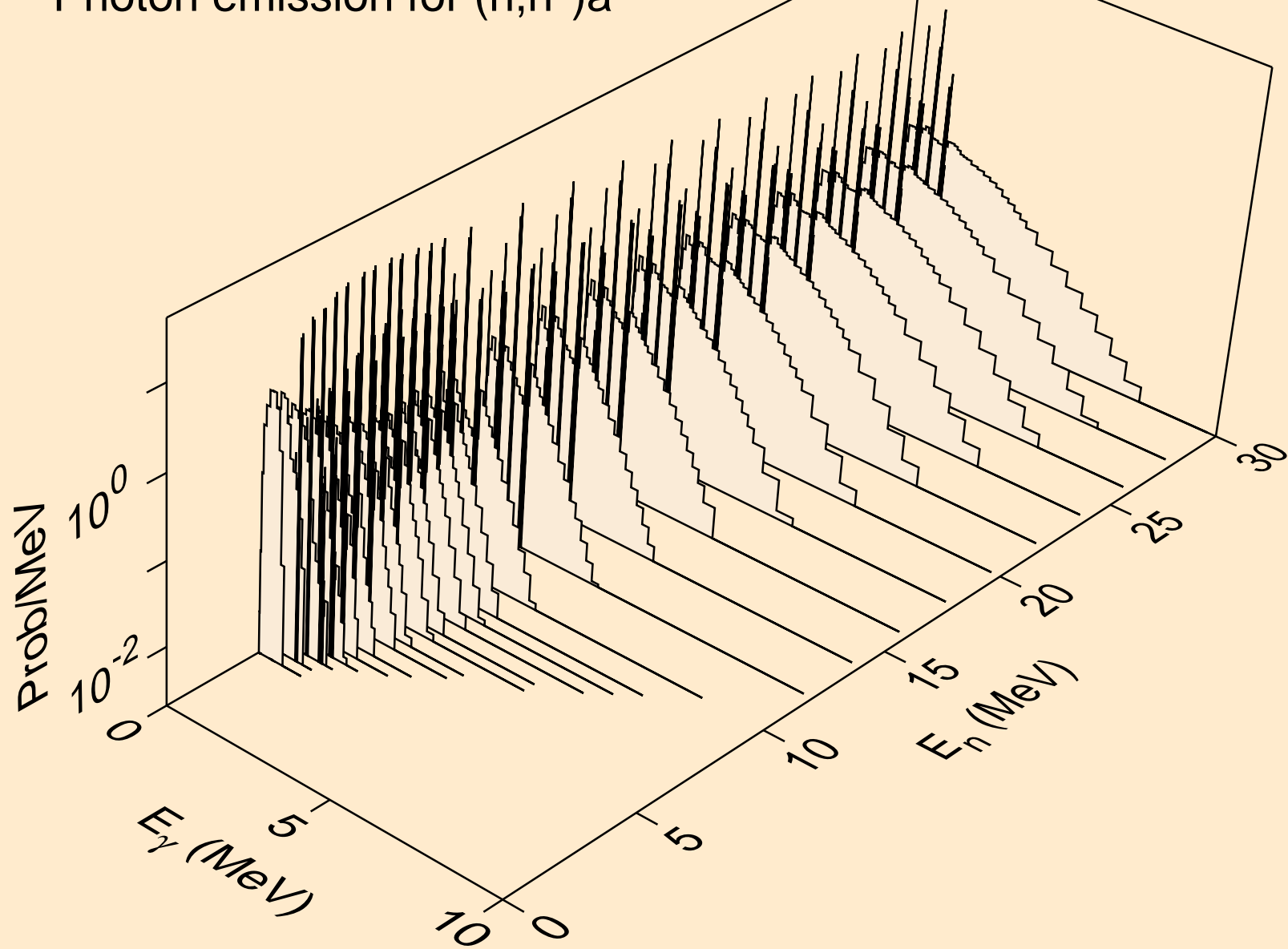
HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)



HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)

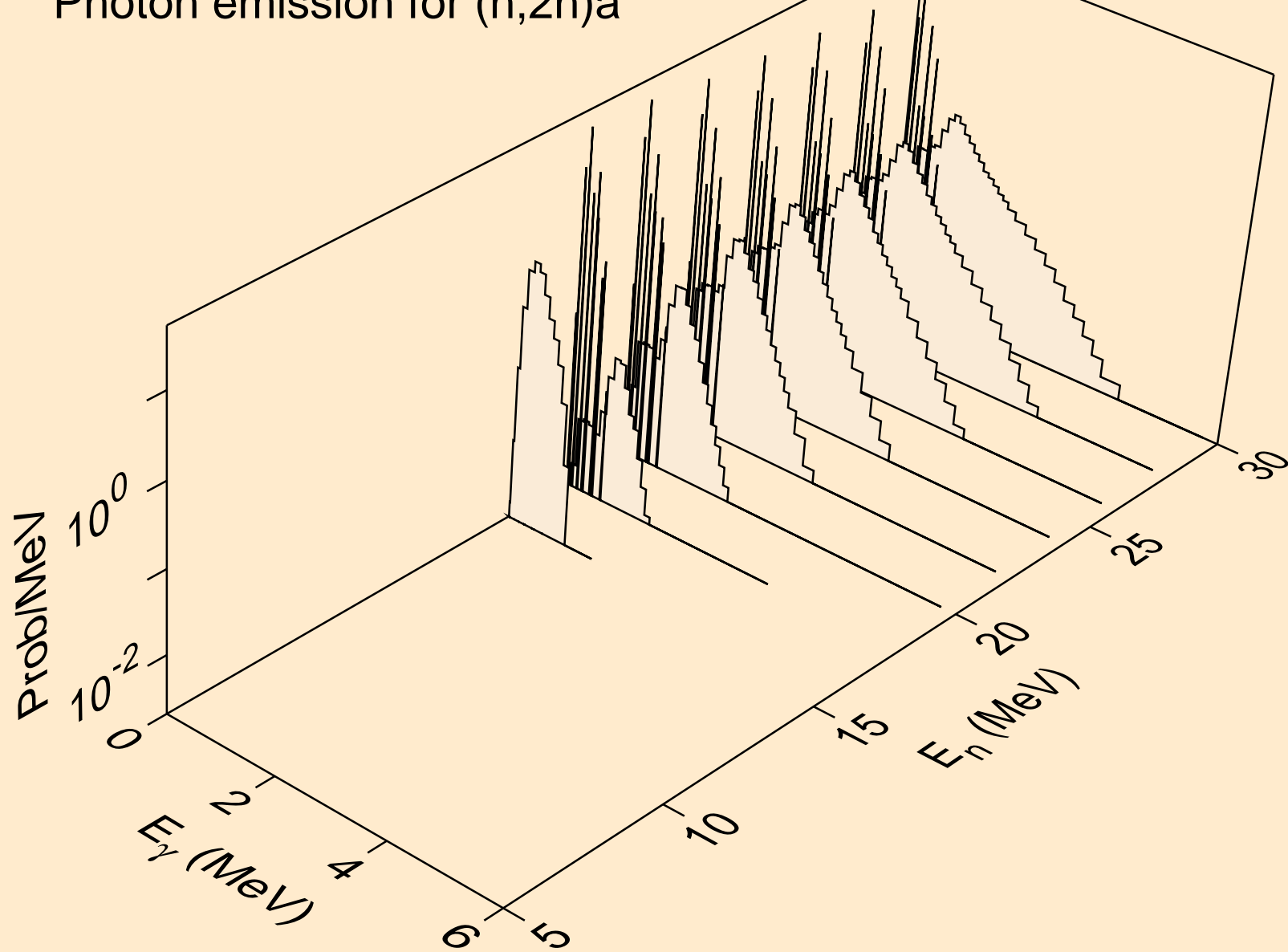


HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)a

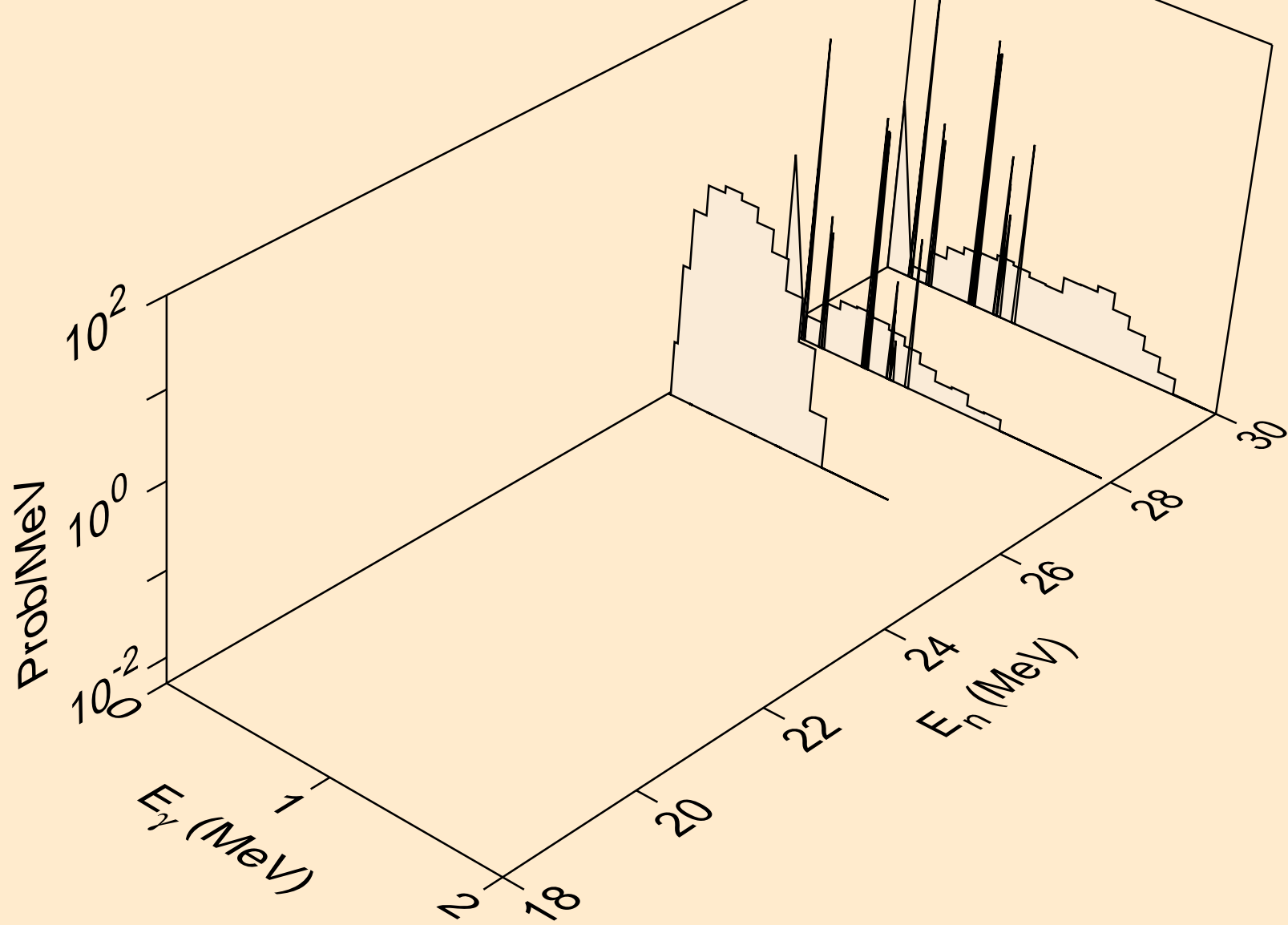




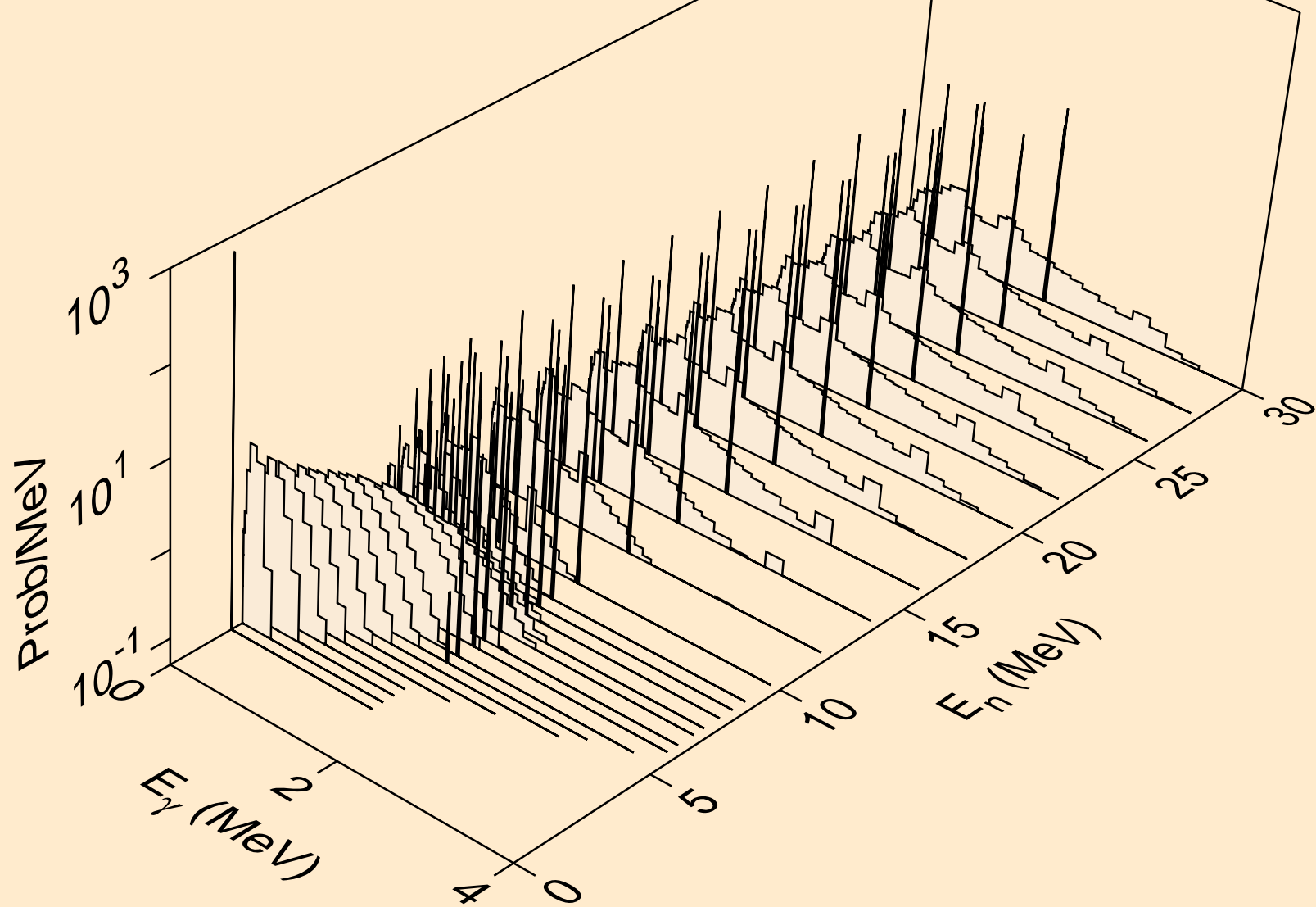
HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)a



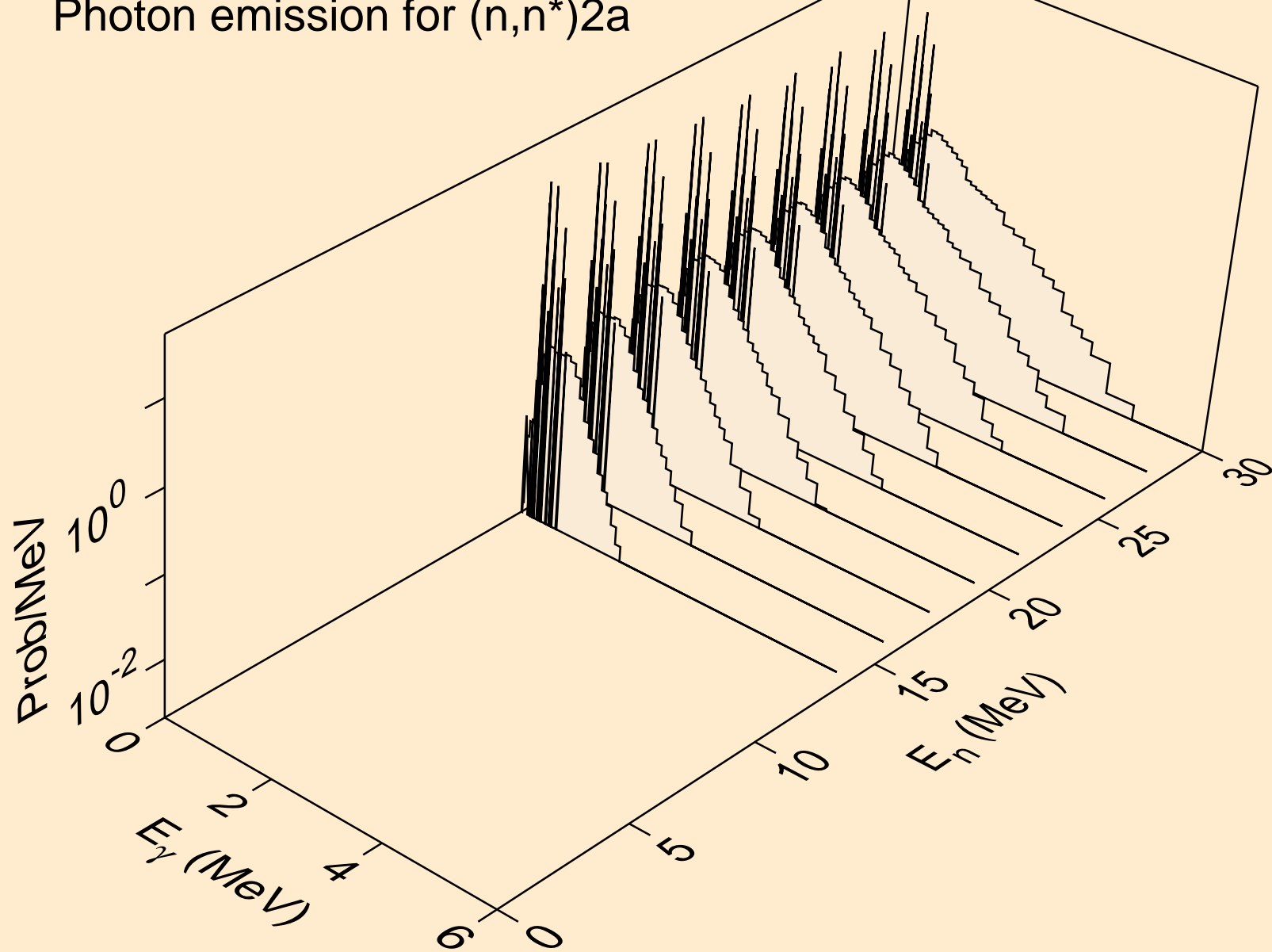
HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)a



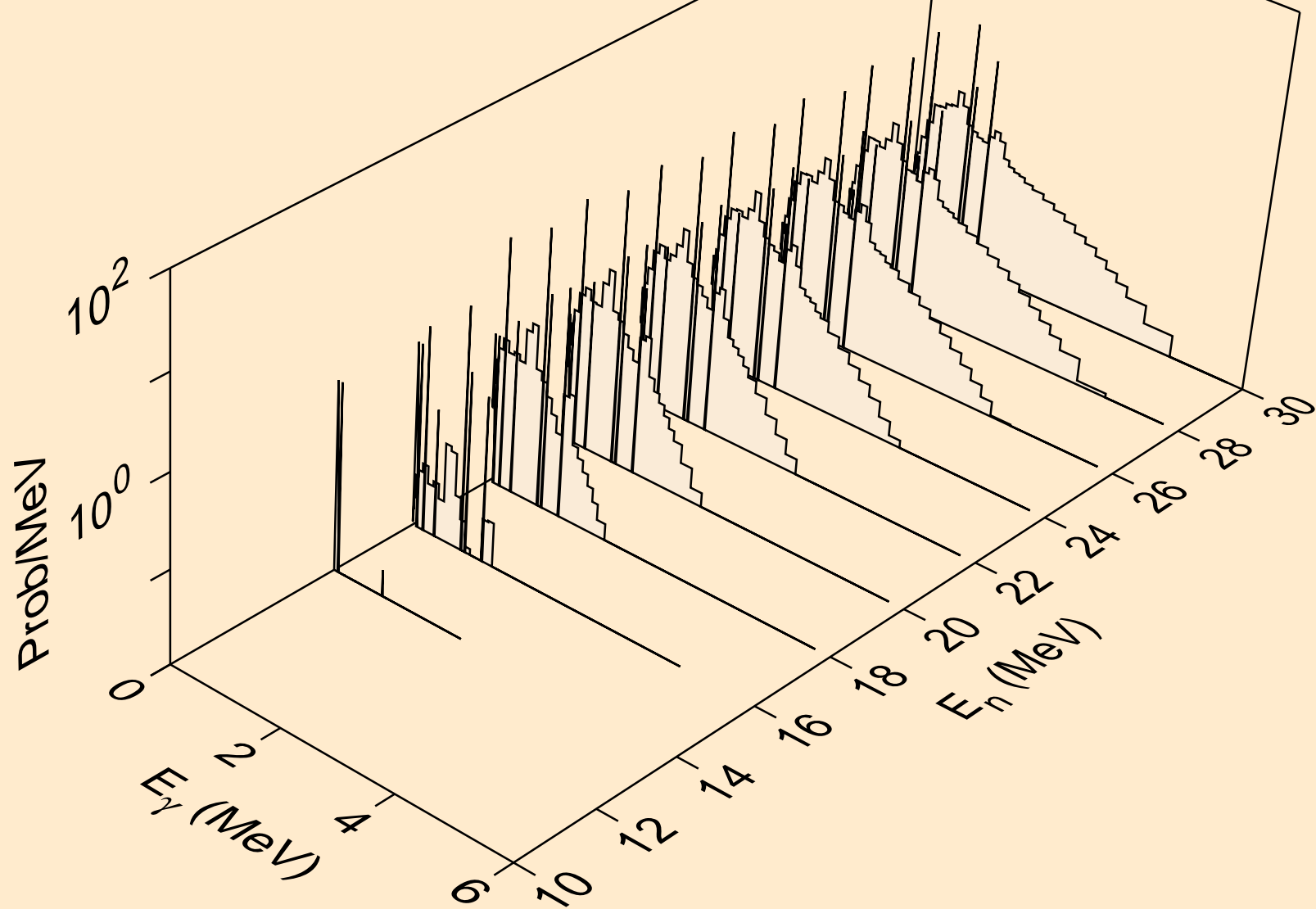
HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



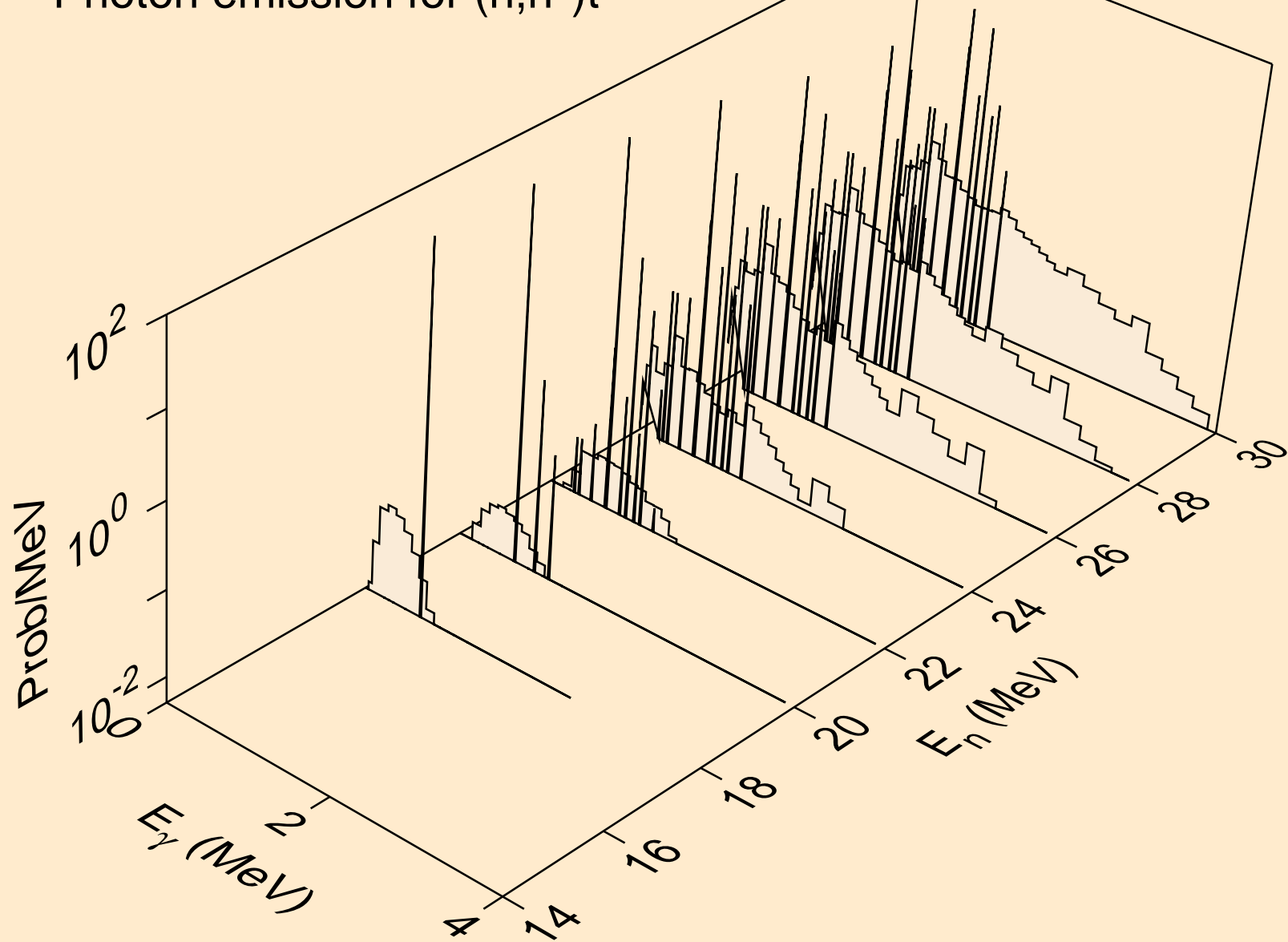
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Photon emission for (n,n\*)2a



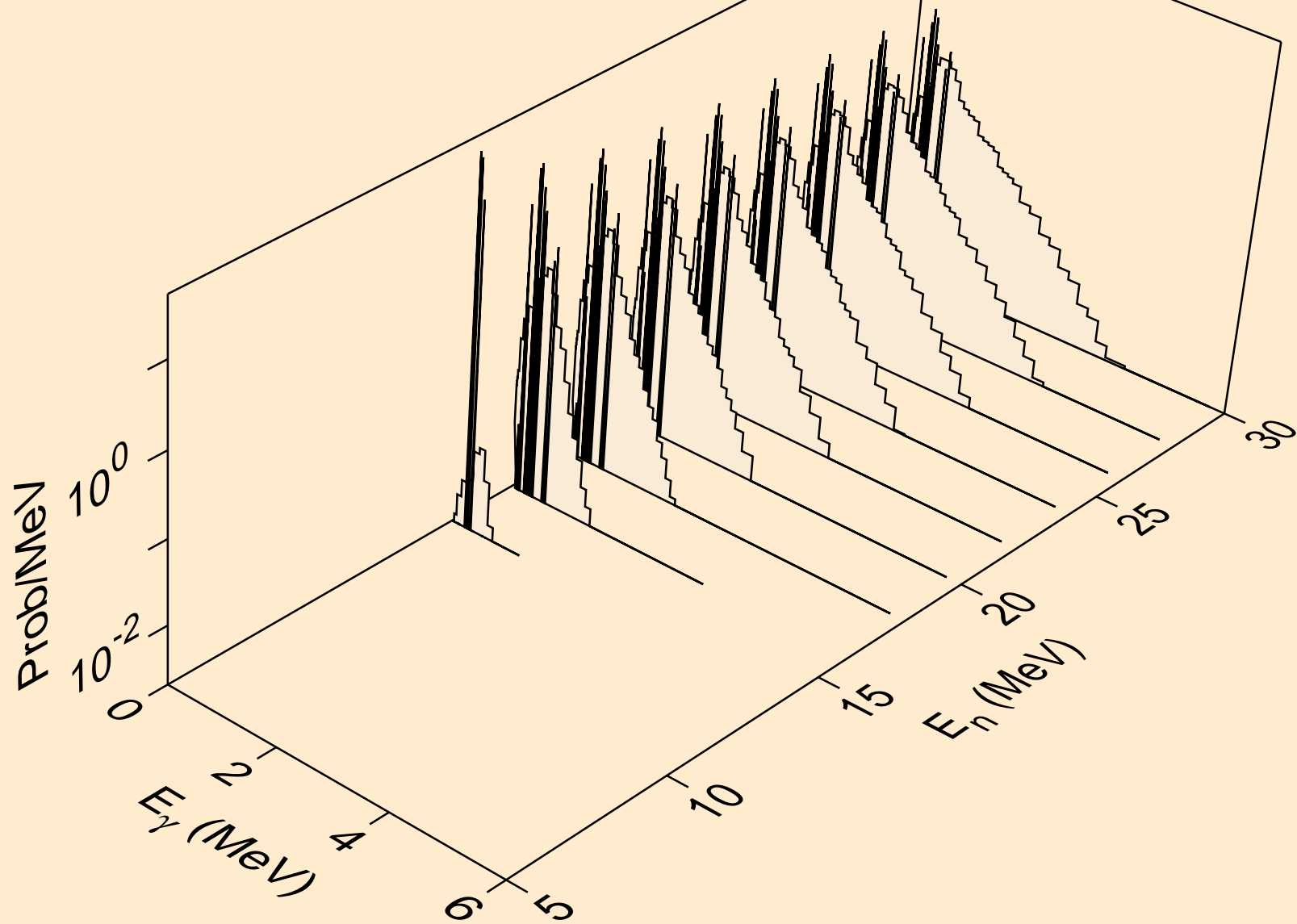
HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



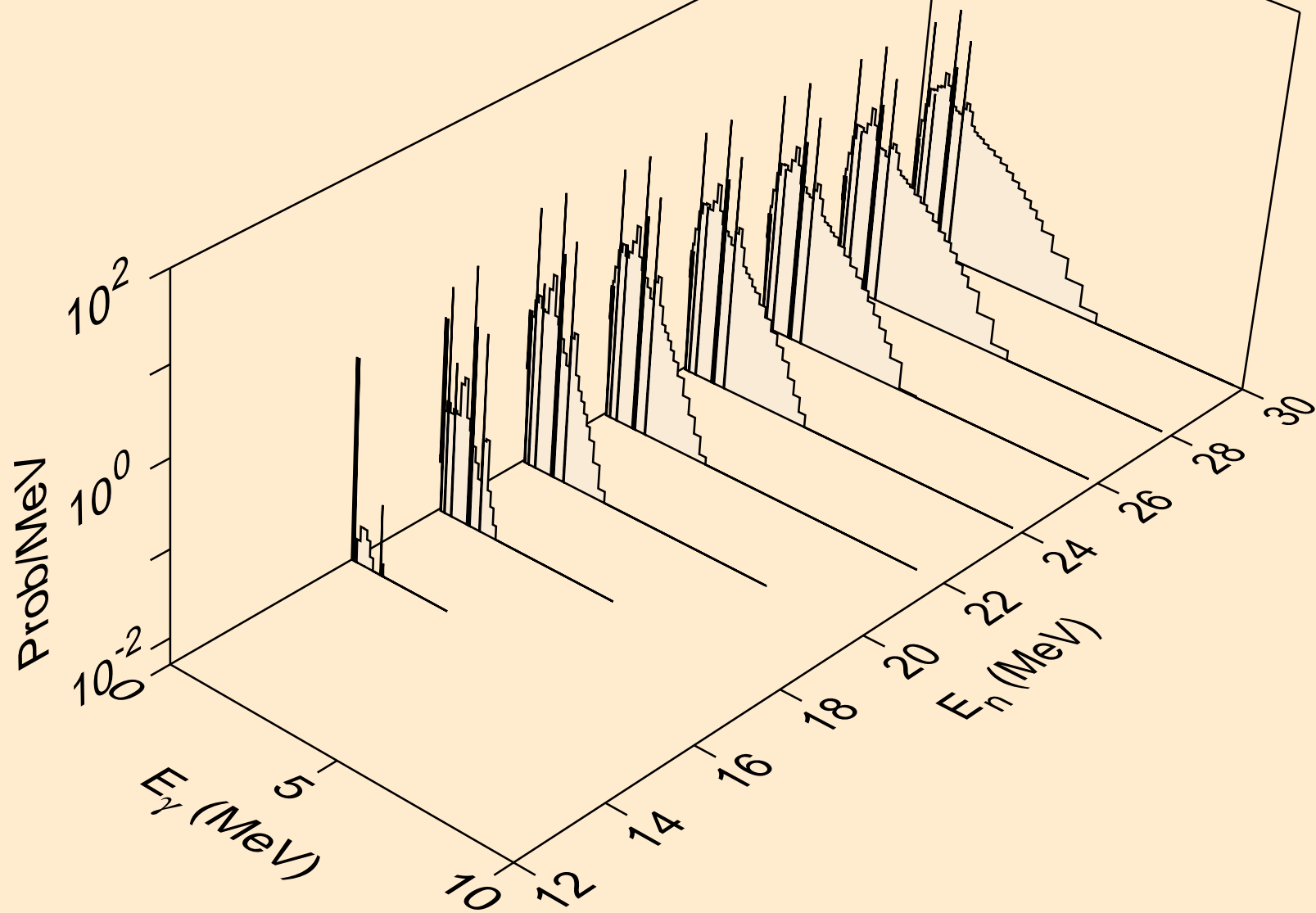
HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3

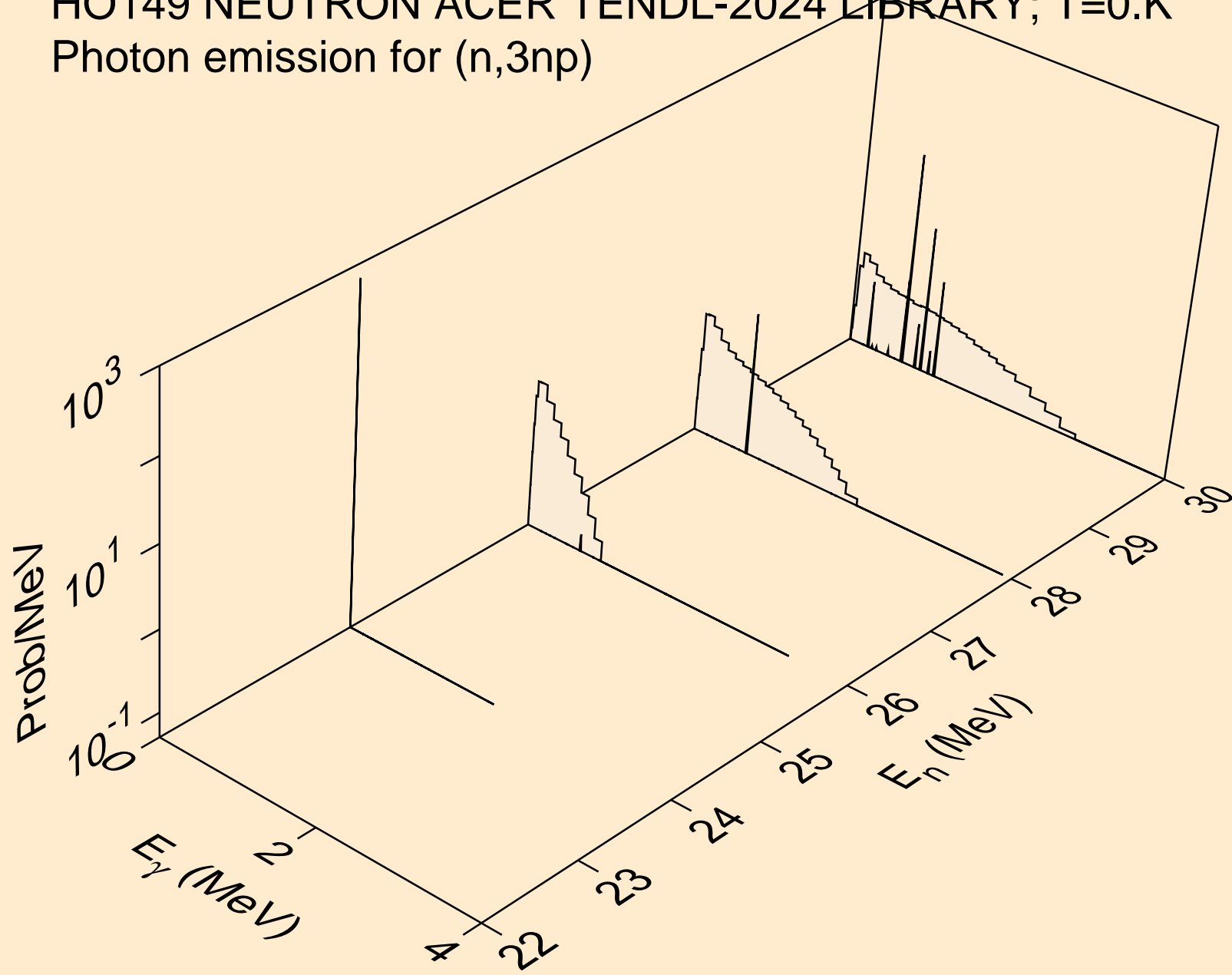


HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2np)

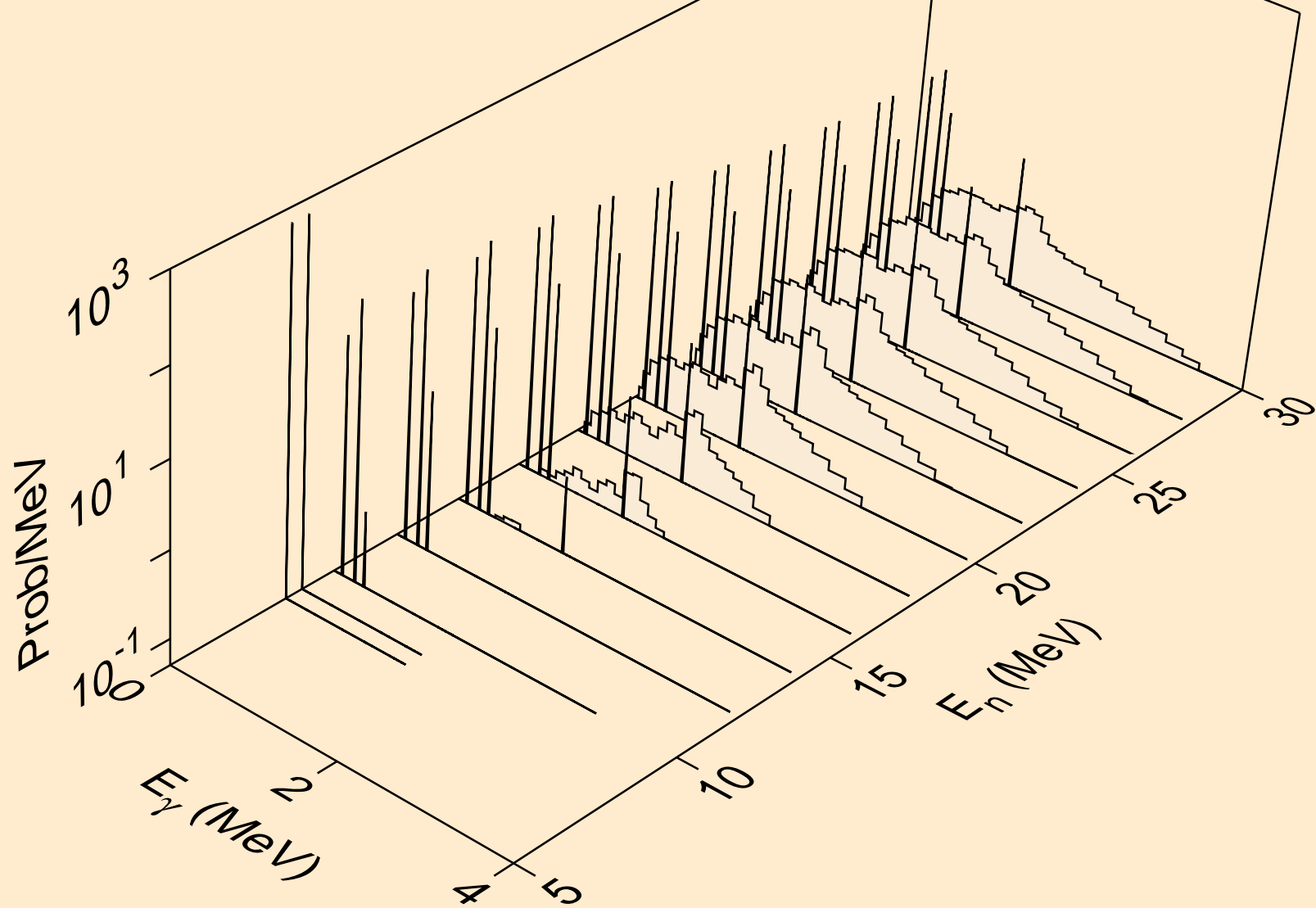




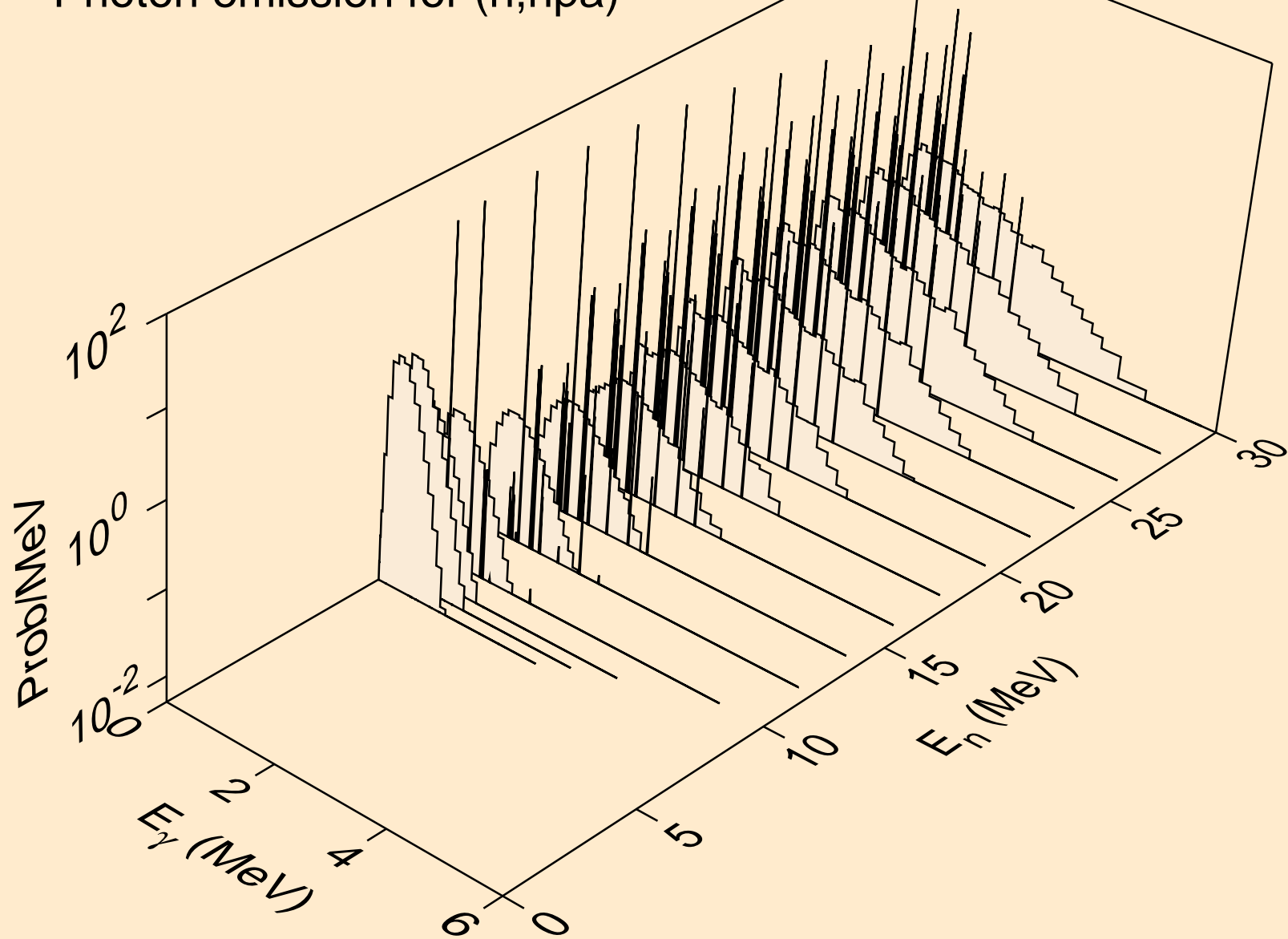
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Photon emission for (n,3np)



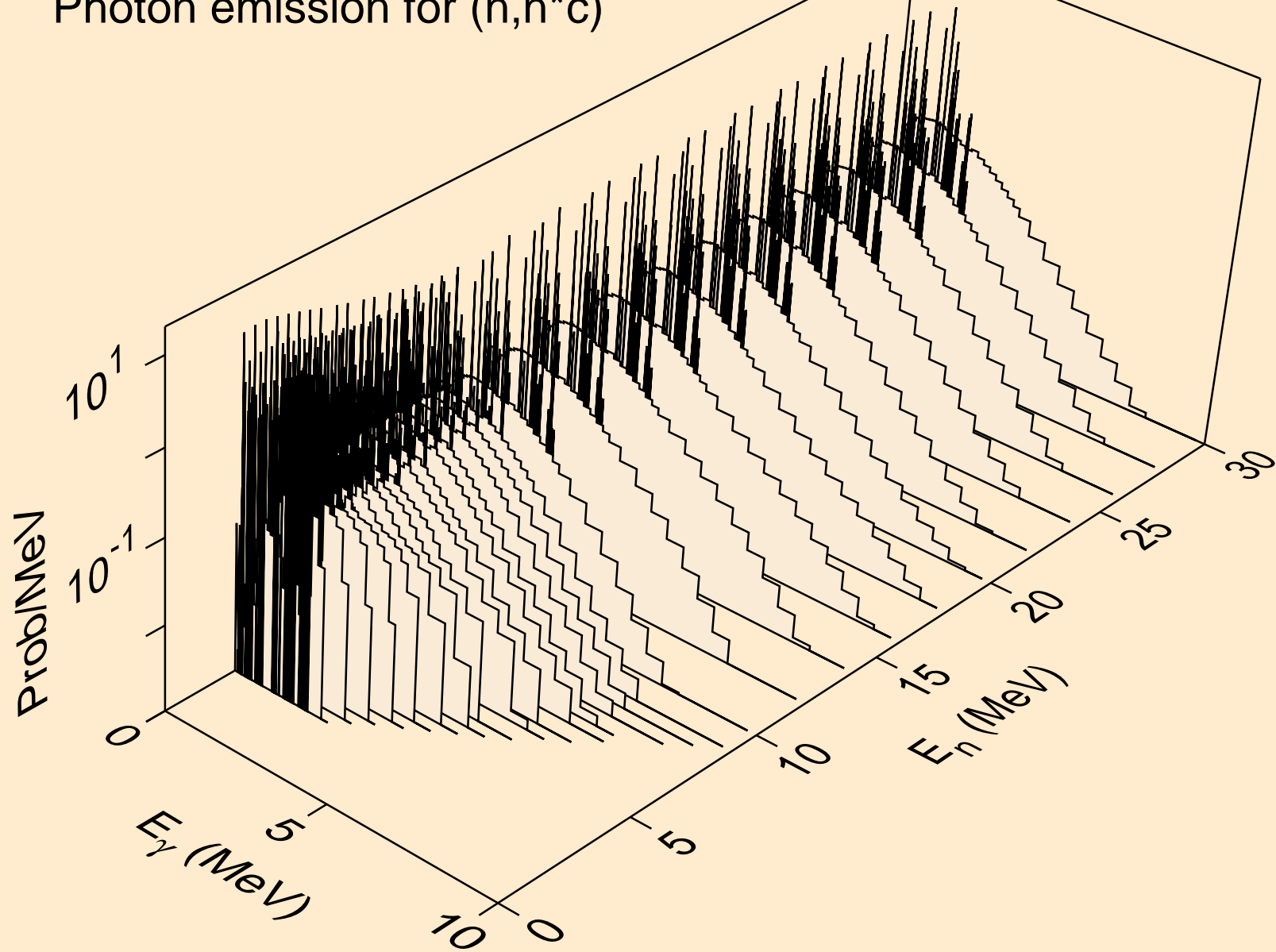
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Photon emission for (n,n2p)



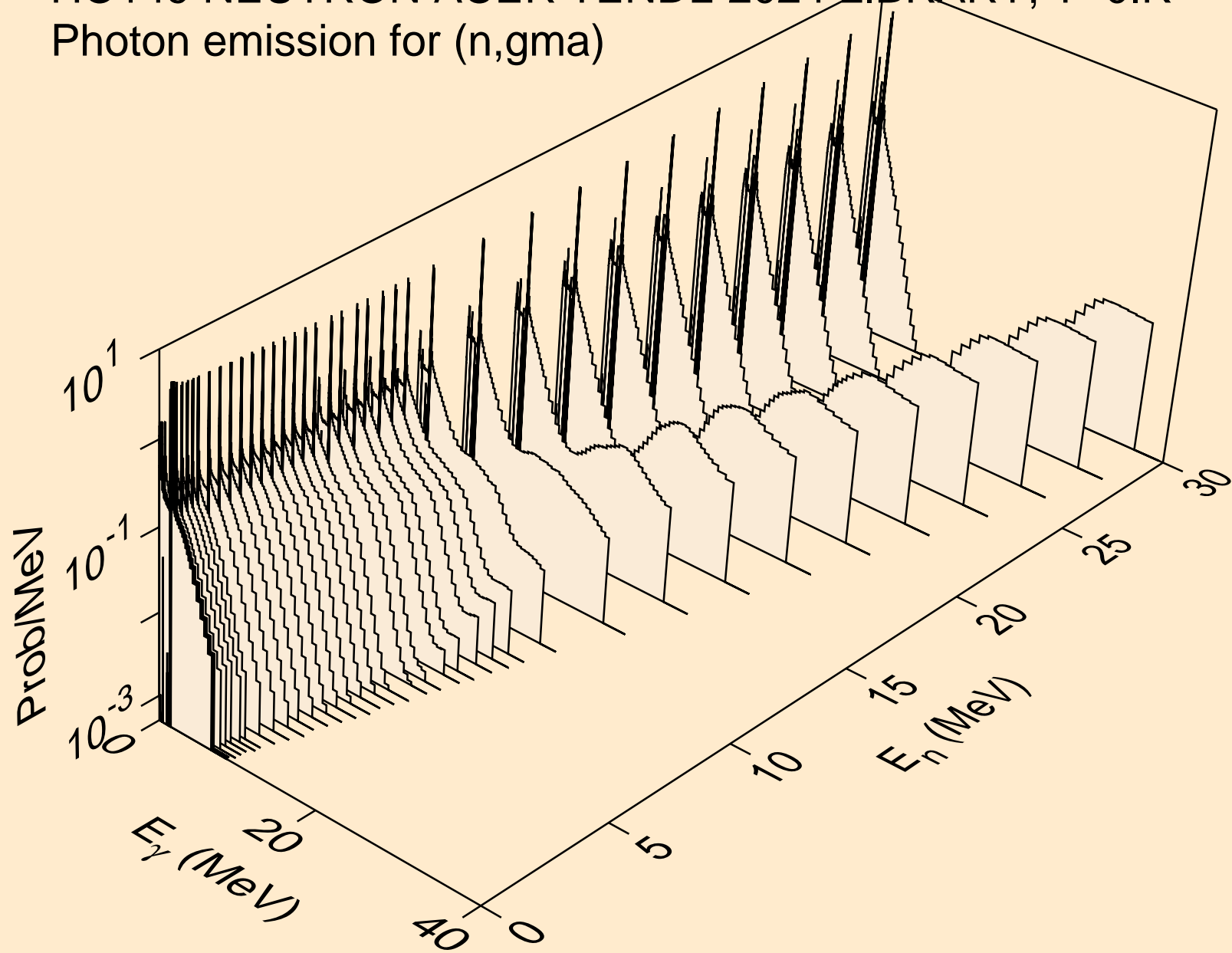
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Photon emission for (n,npa)



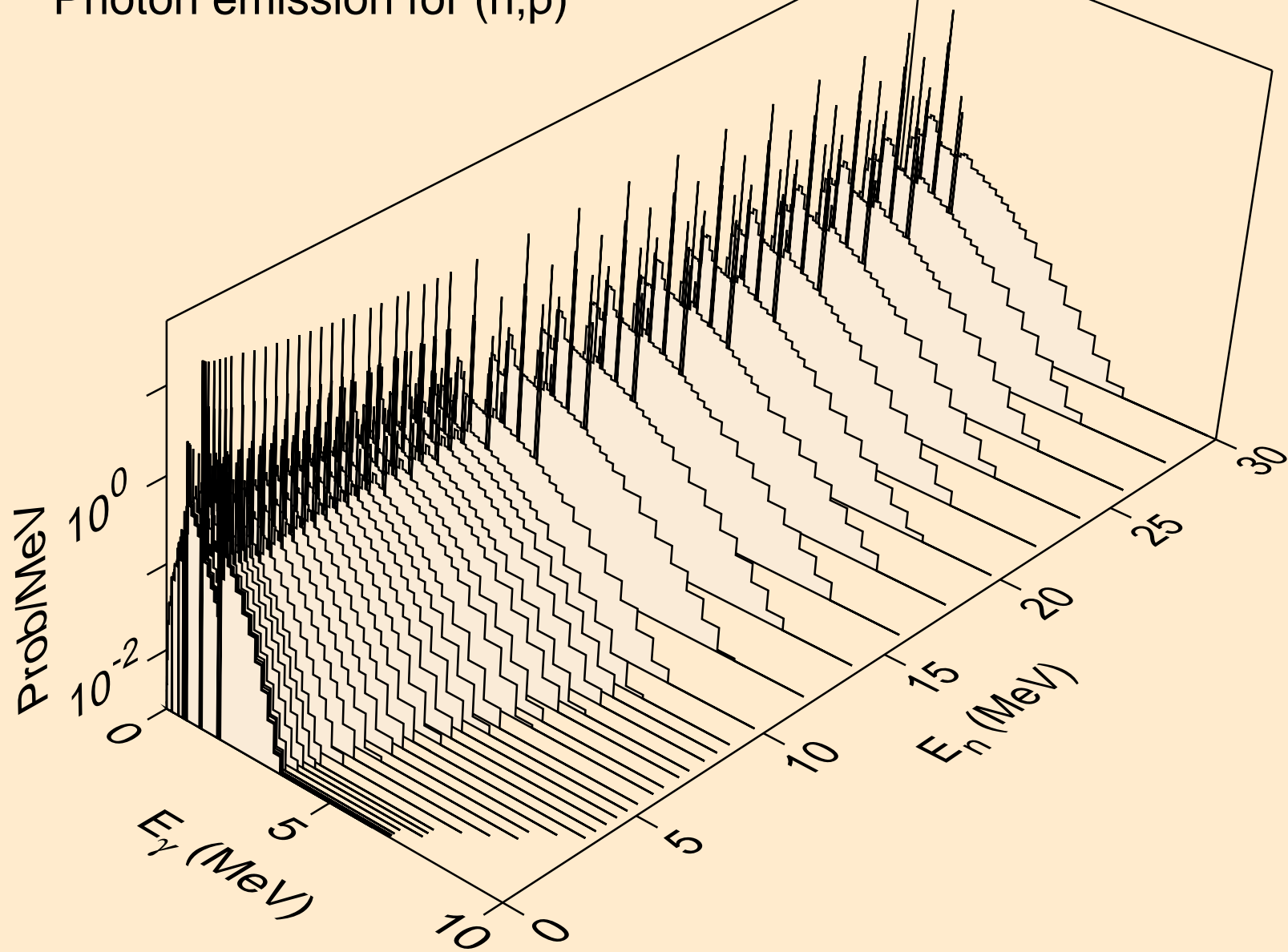
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Photon emission for (n,n\*c)



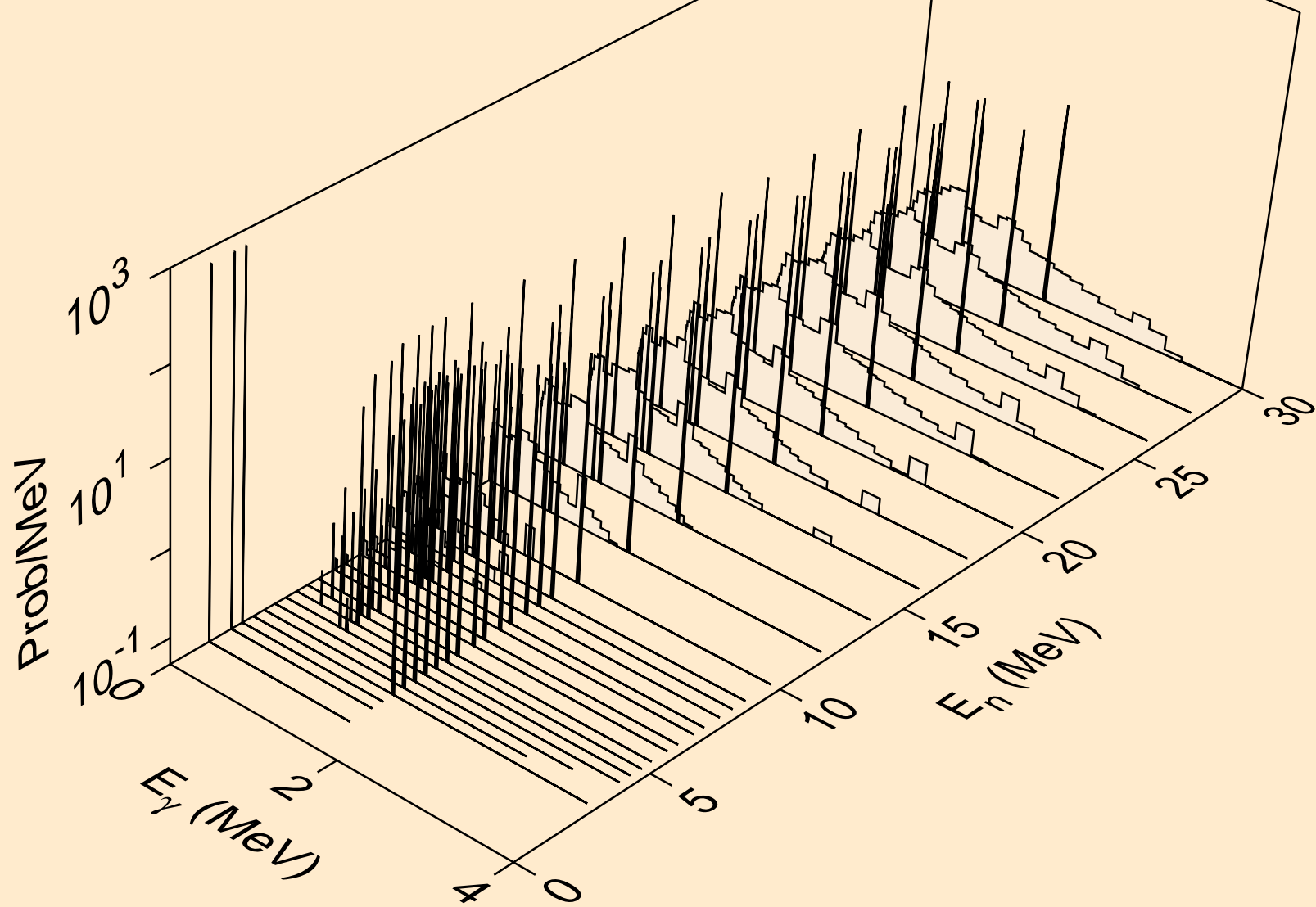
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Photon emission for (n,gma)



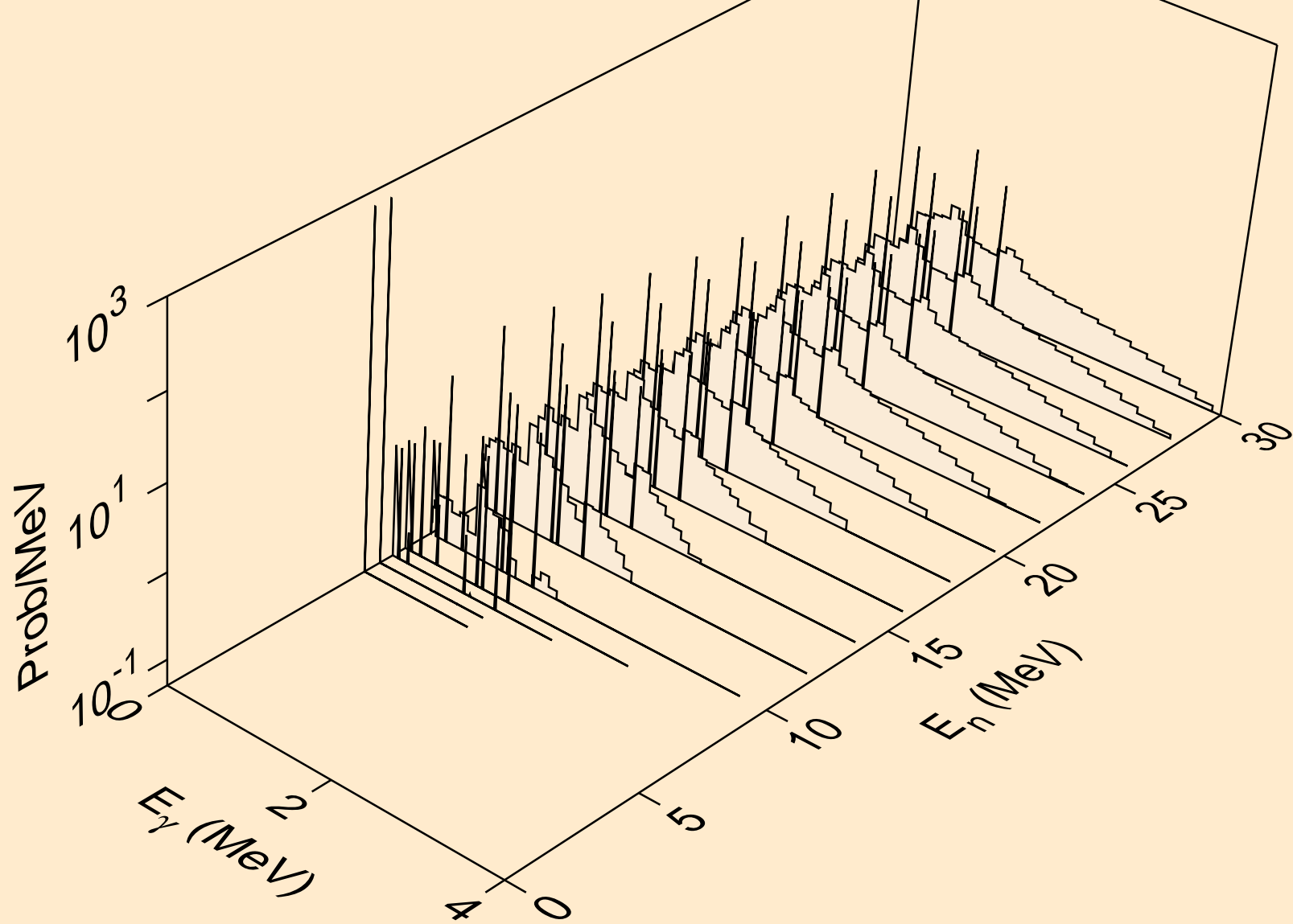
HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p)



HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,d)

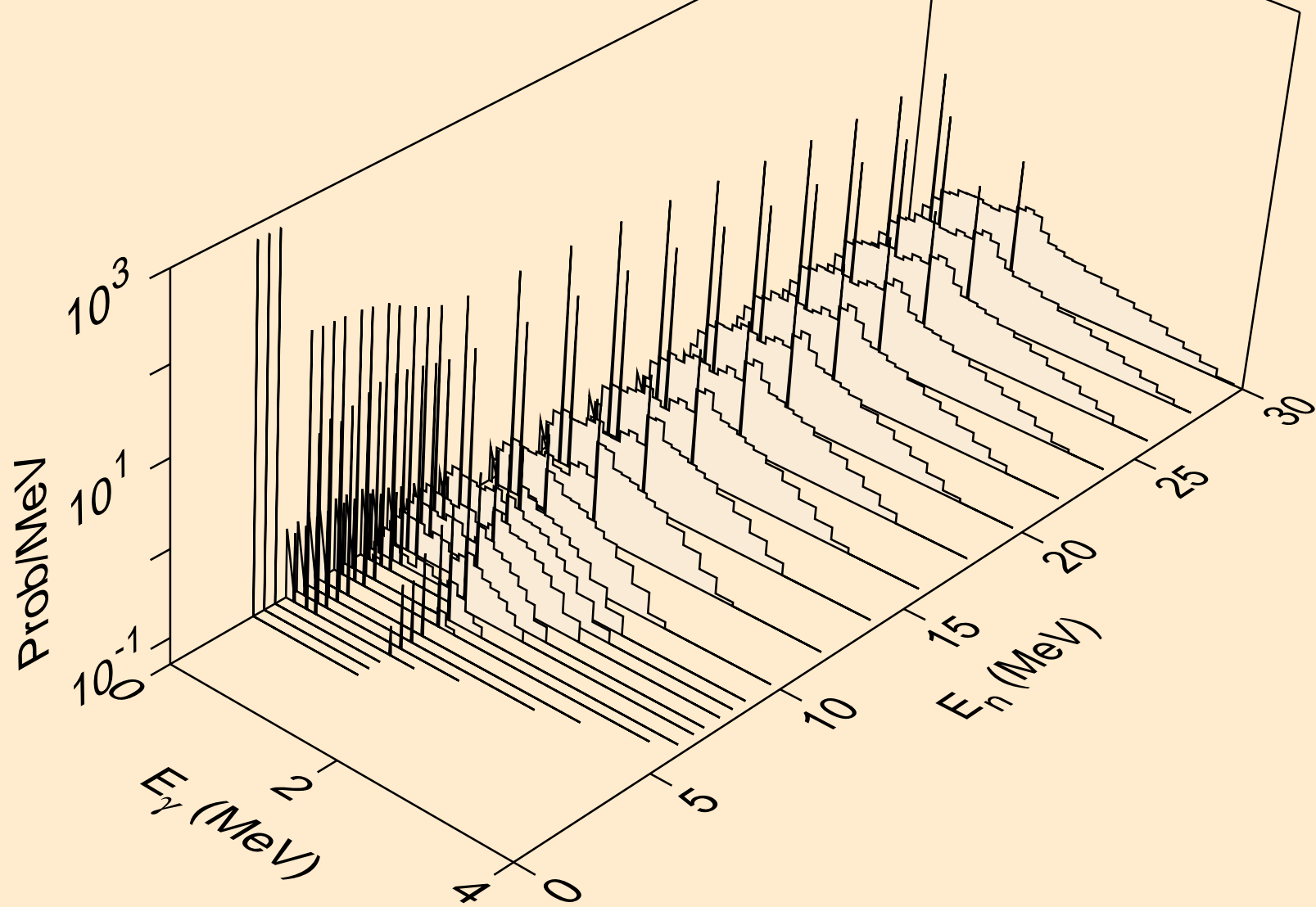


HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,t)

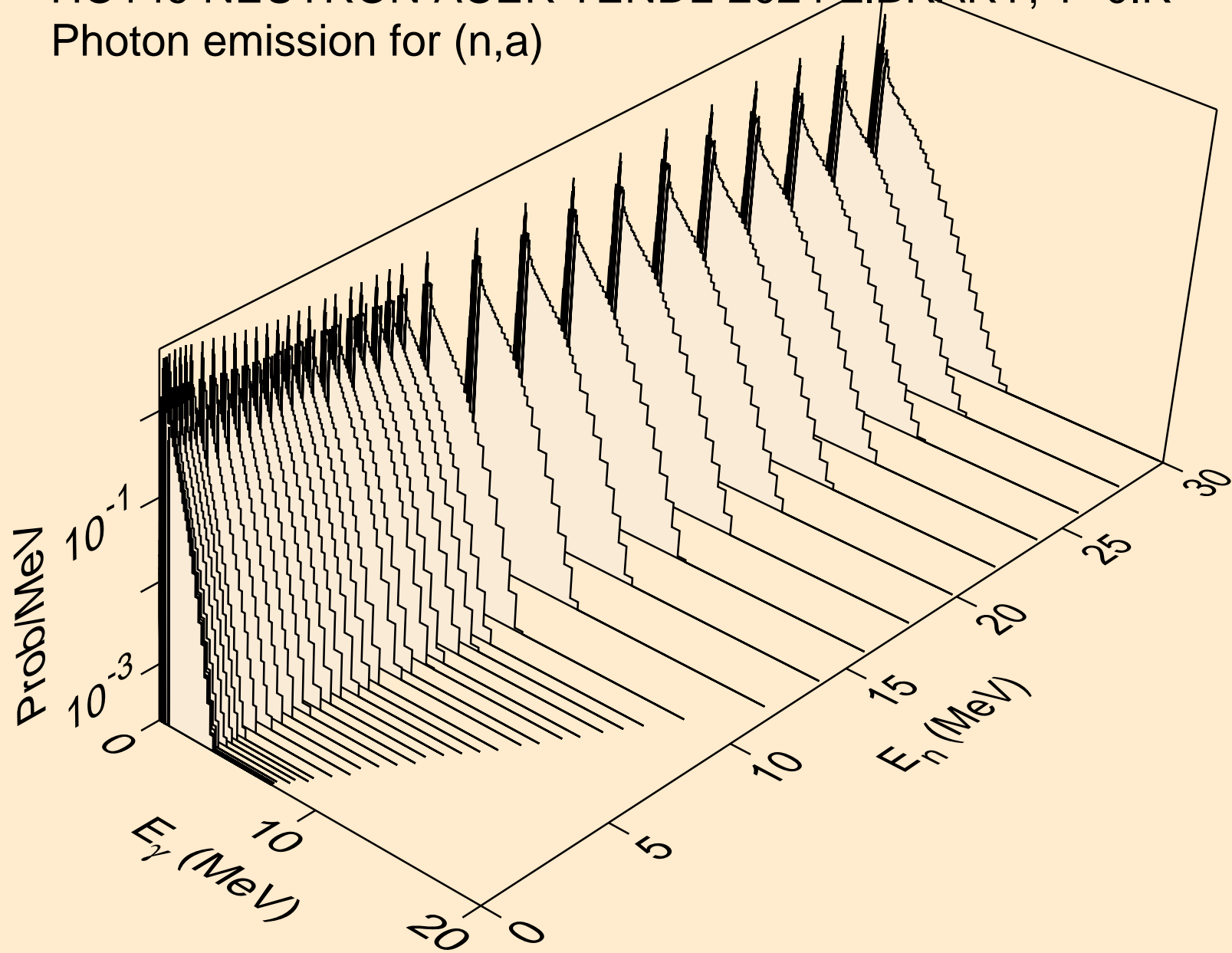




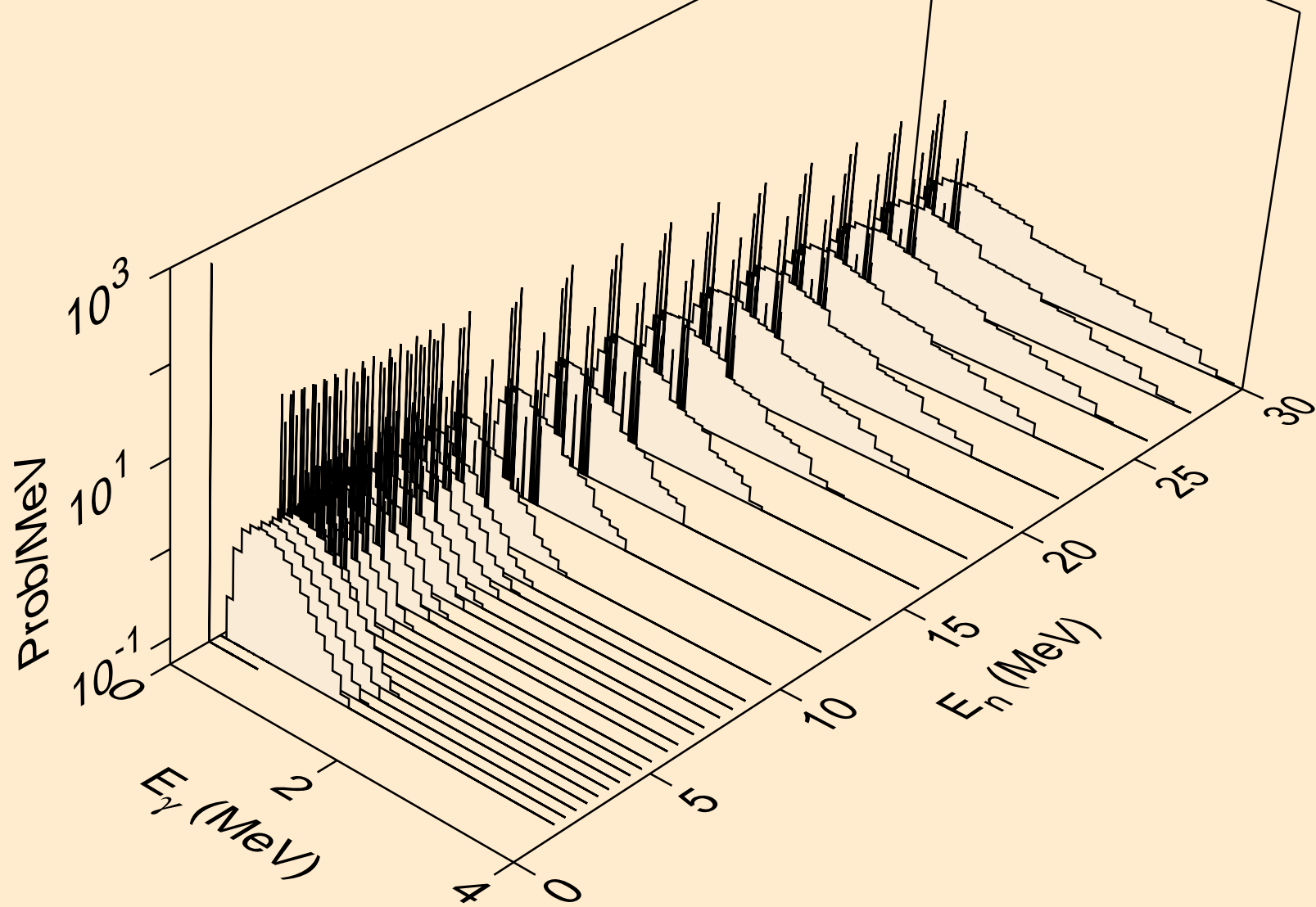
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Photon emission for (n,he3)



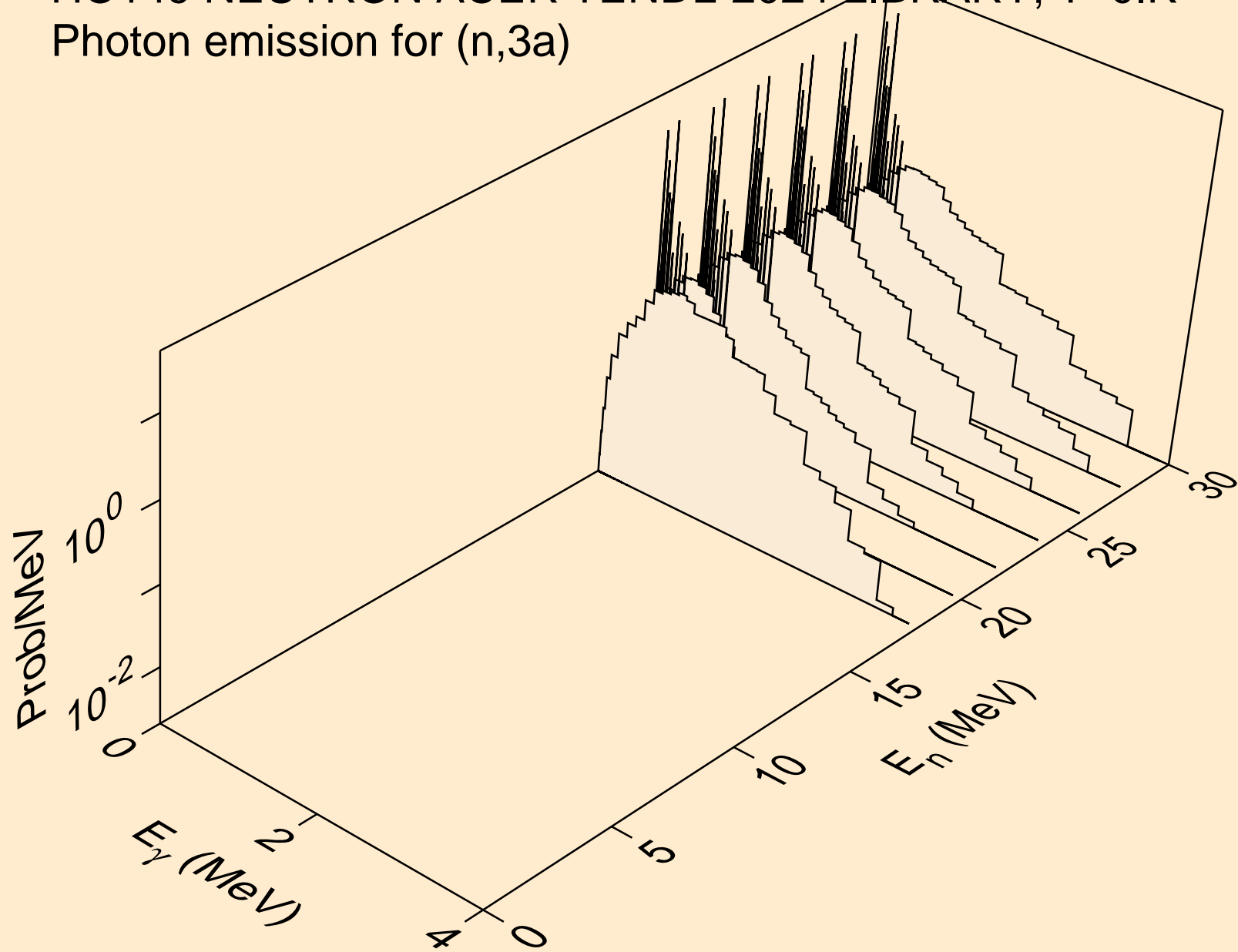
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Photon emission for (n,a)



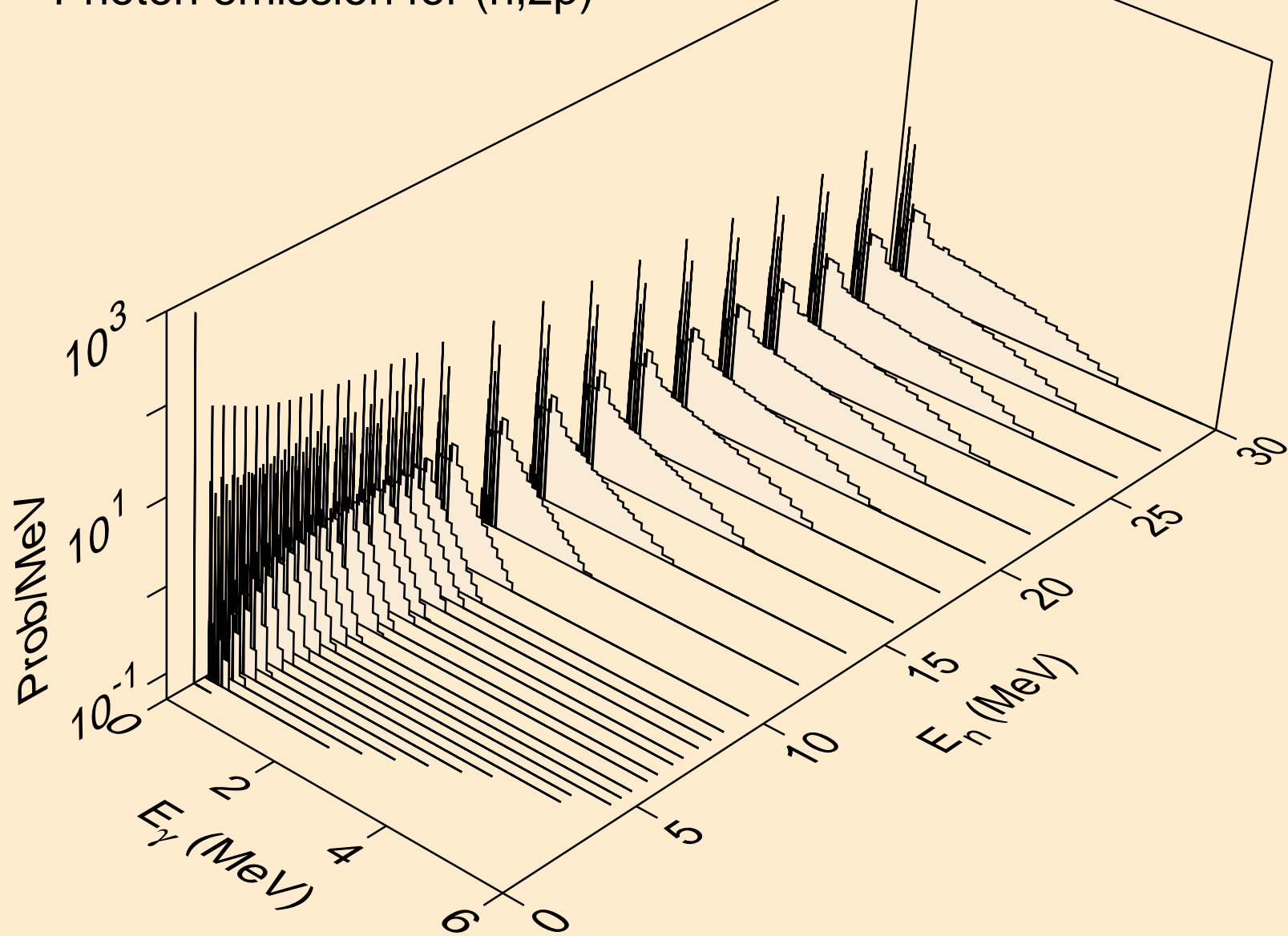
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Photon emission for (n,2a)



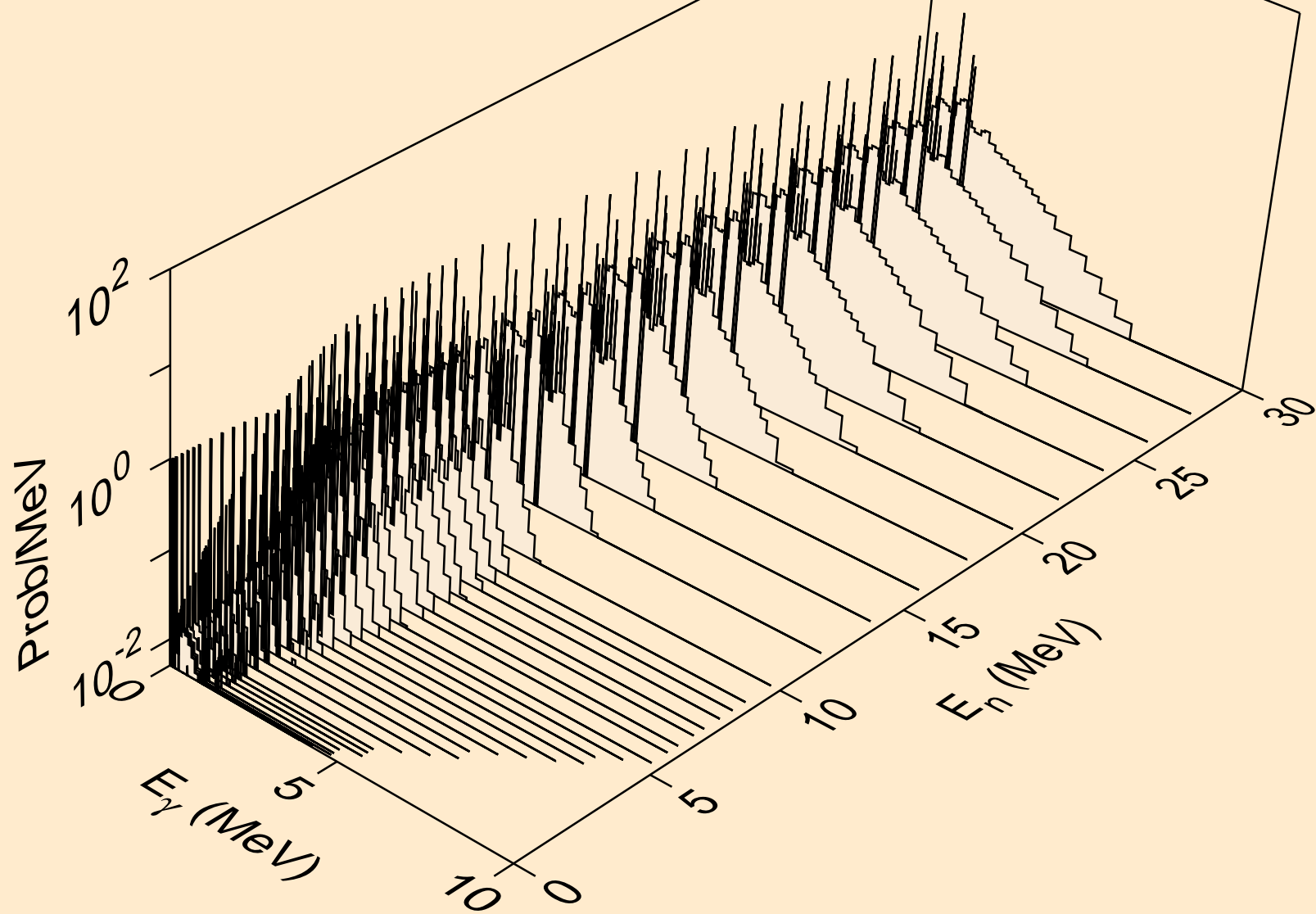
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Photon emission for (n,3a)



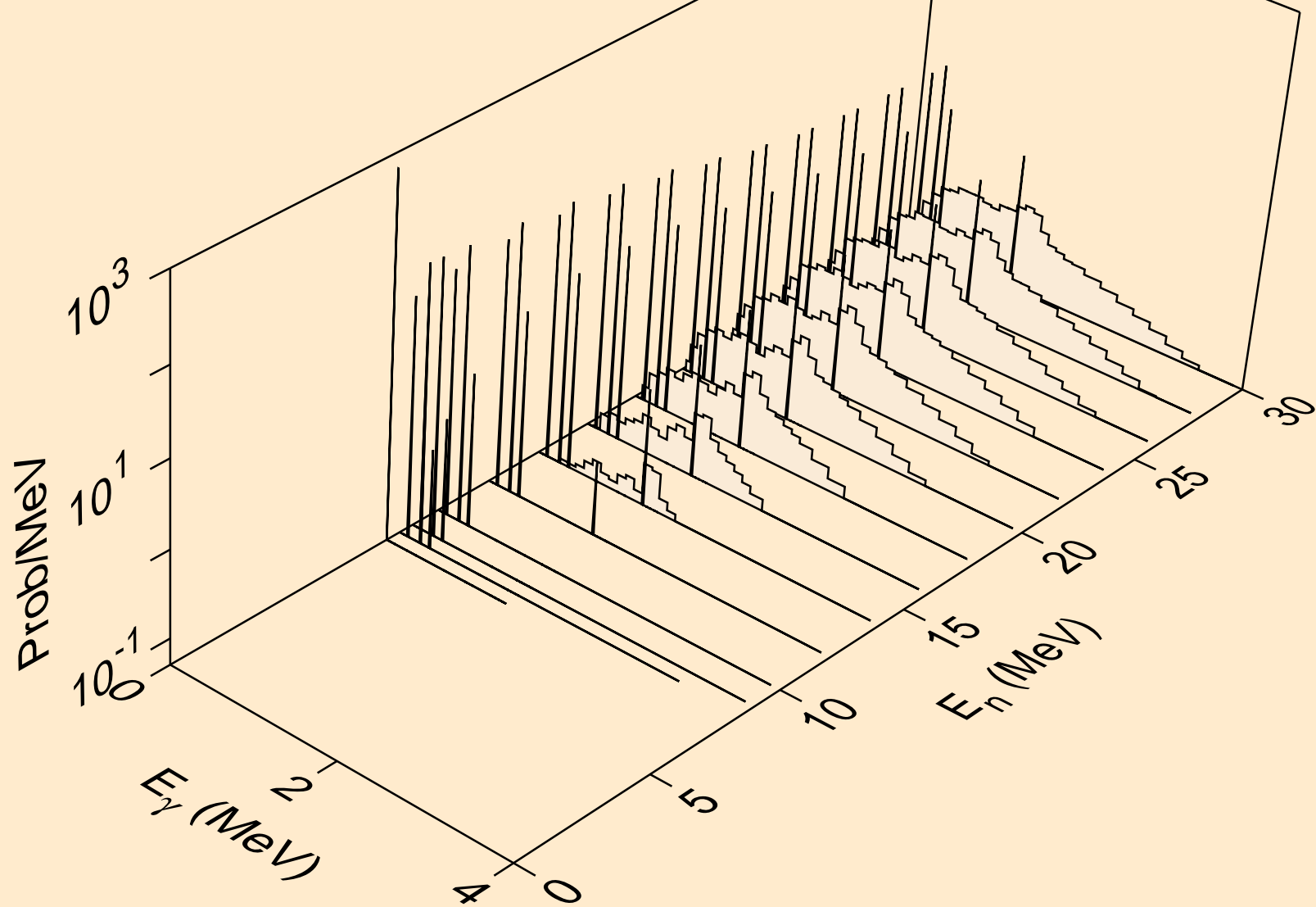
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Photon emission for (n,2p)



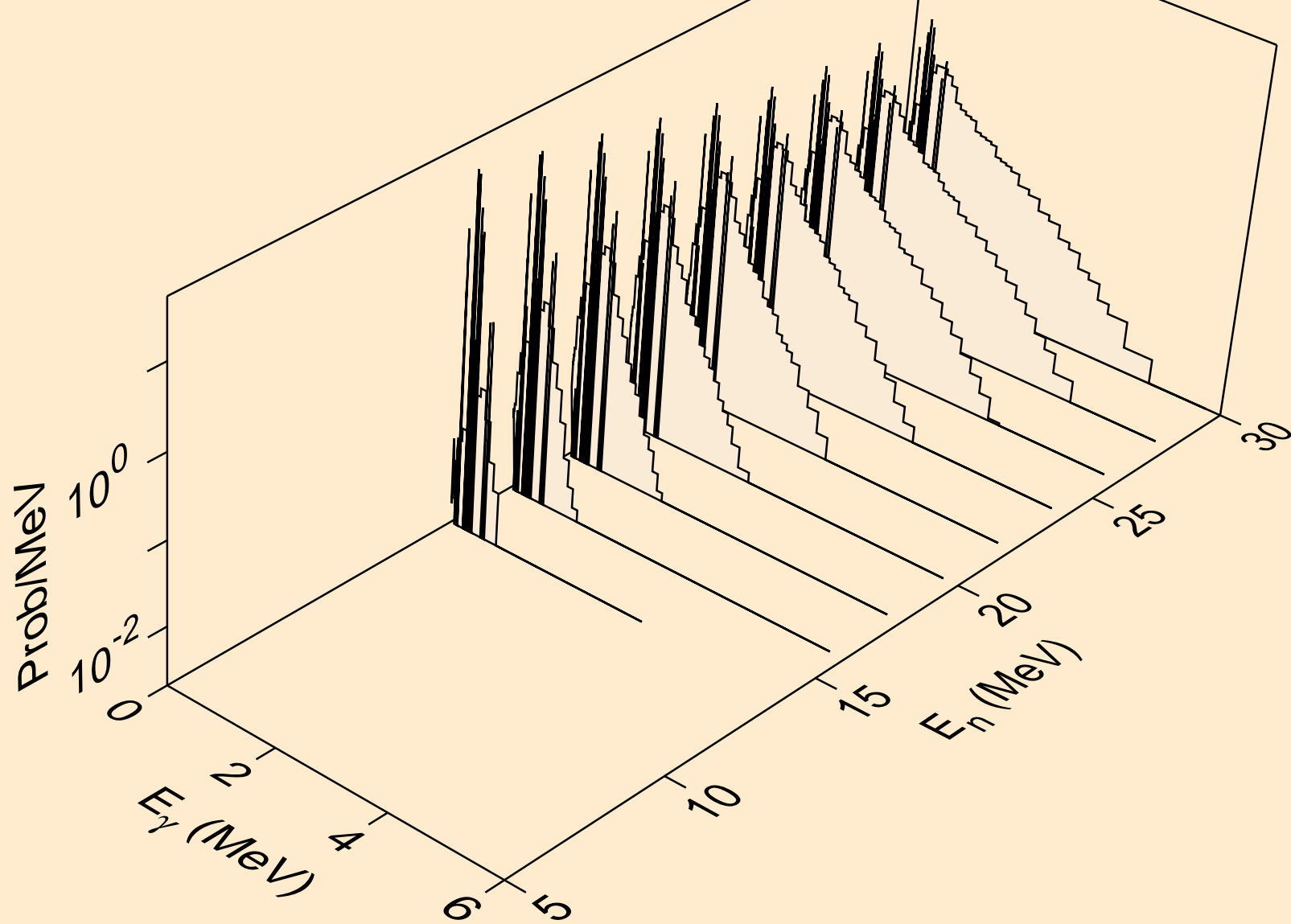
HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p)



HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pd)

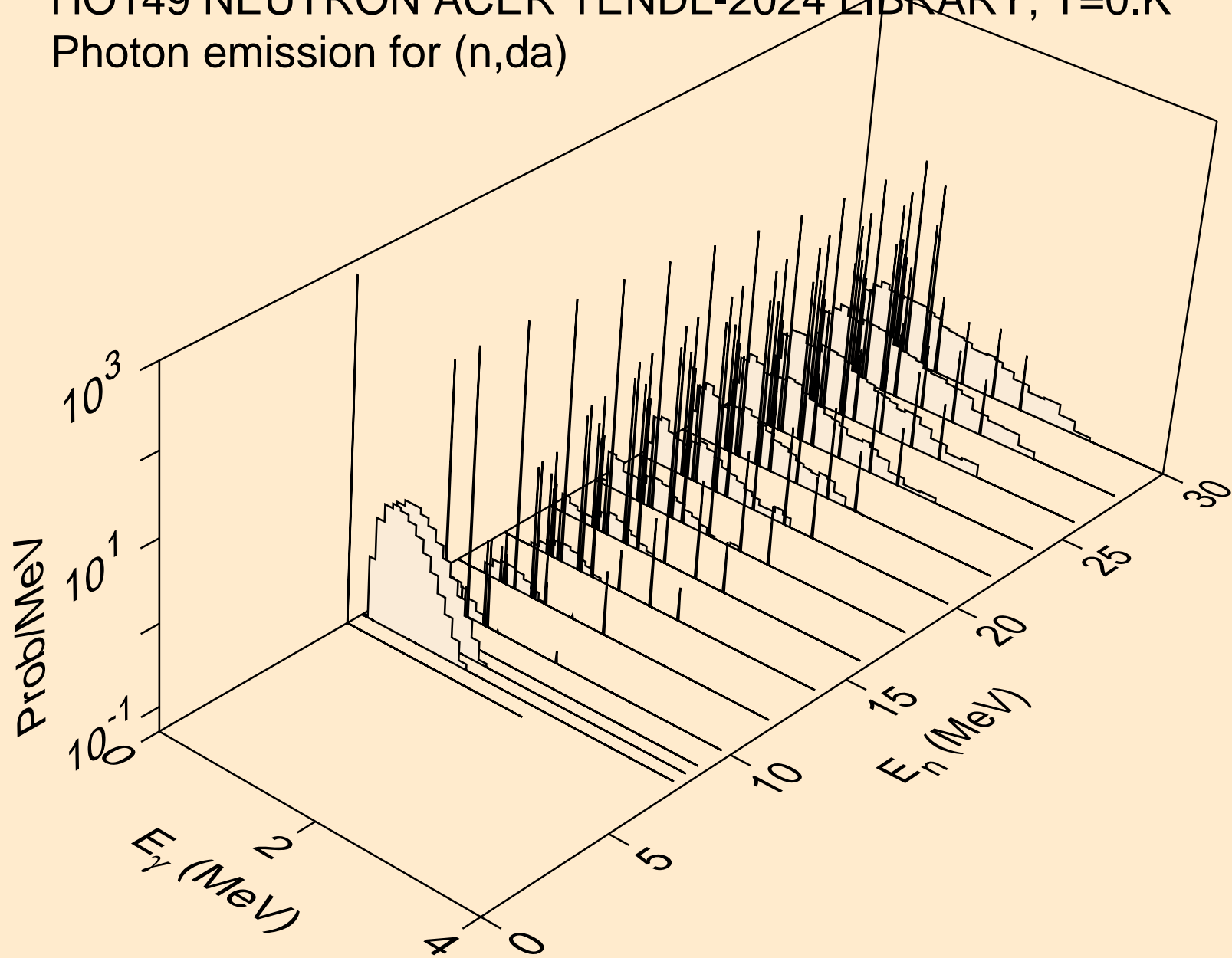


HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pt)

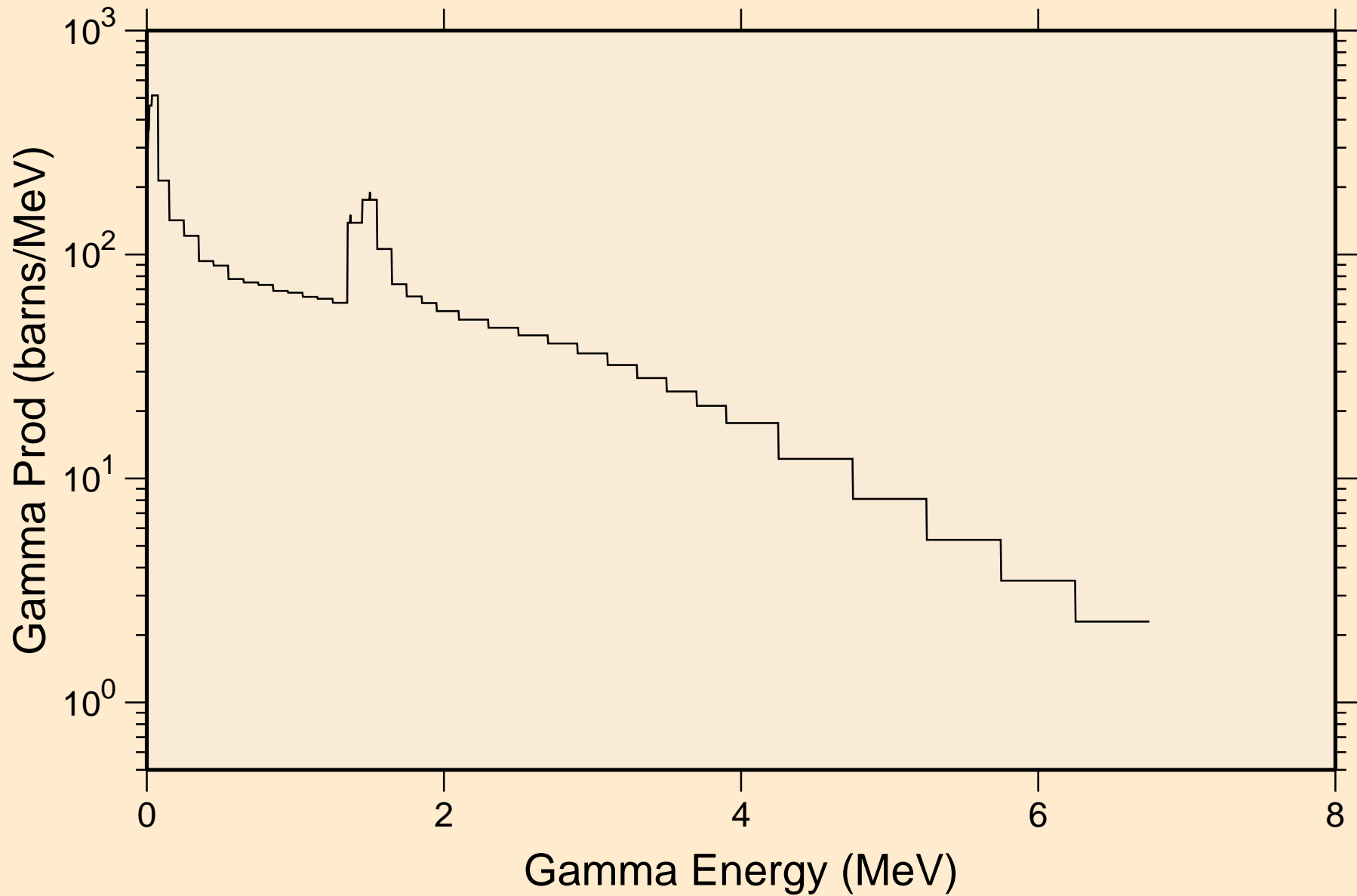




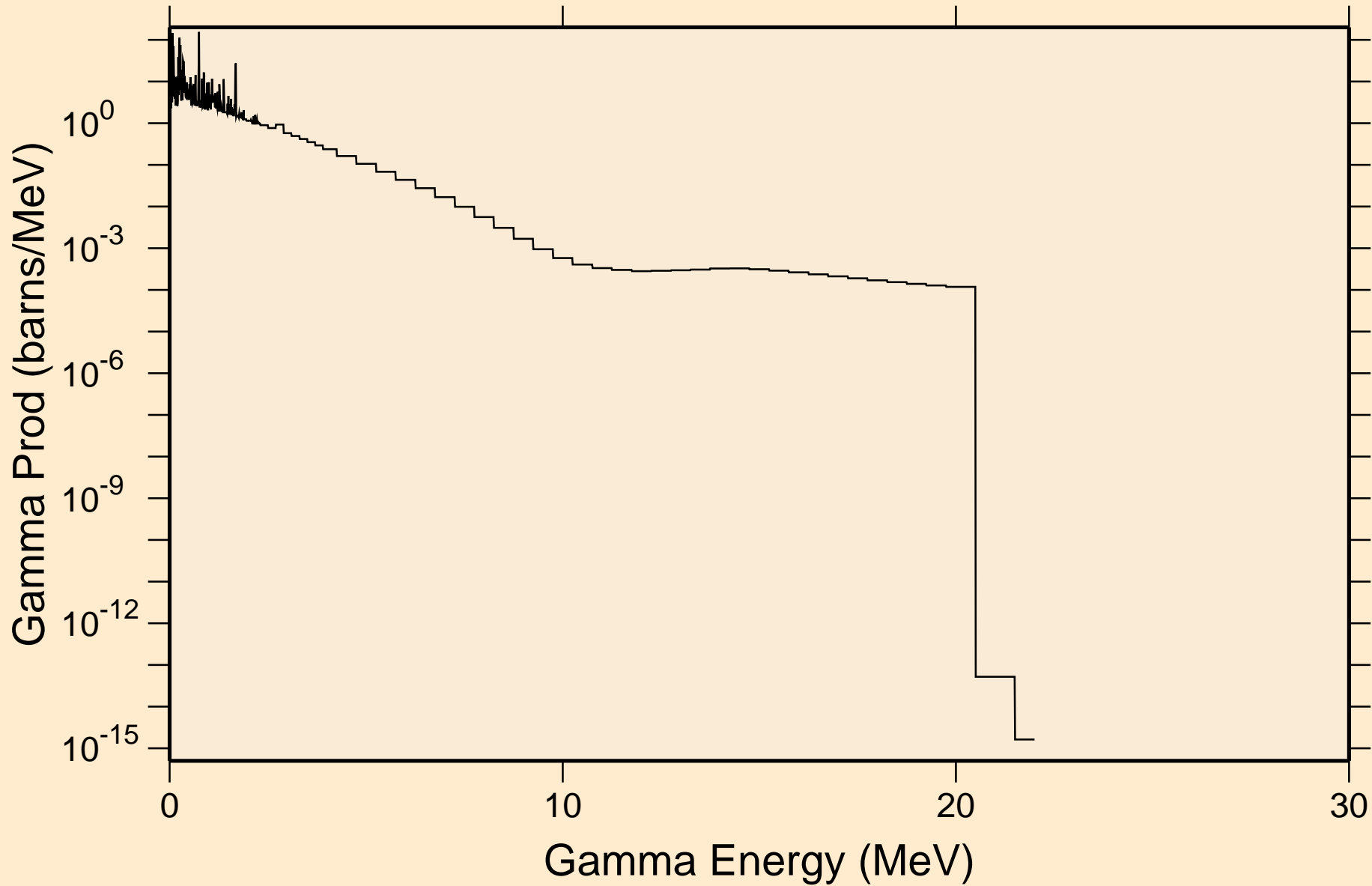
HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,da)



HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
thermal capture photon spectrum

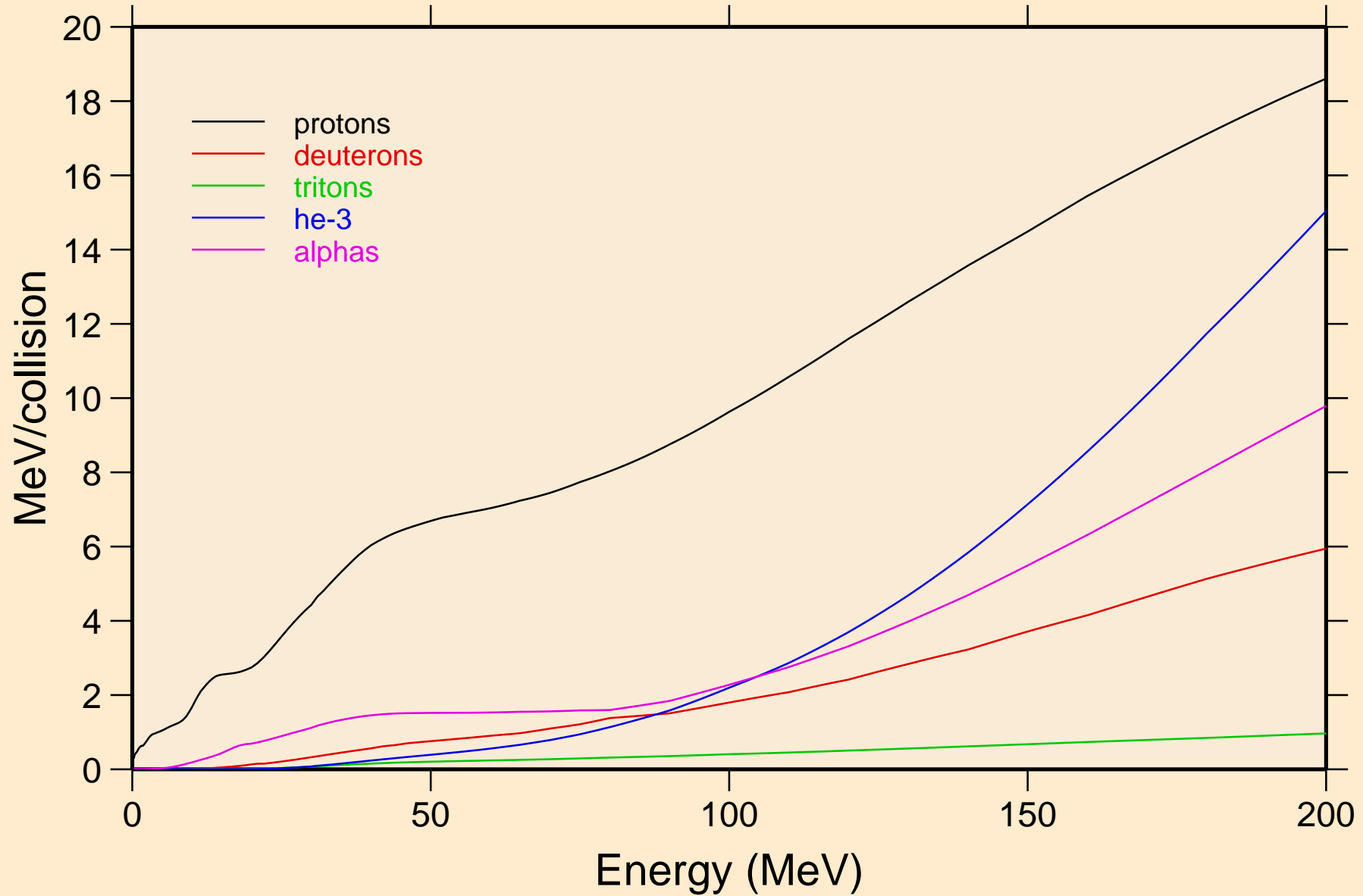


HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
14 MeV photon spectrum

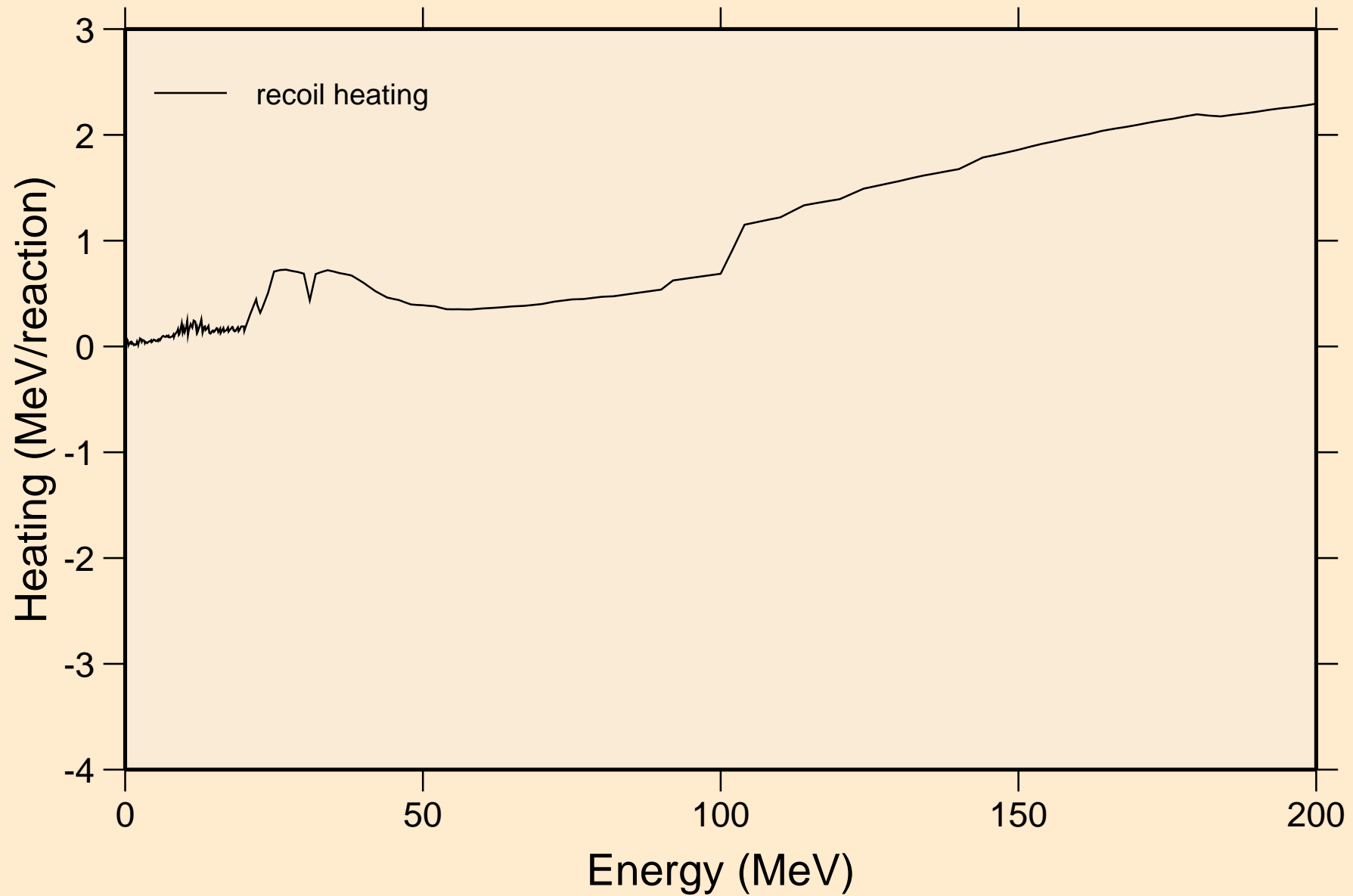


# HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Particle heating contributions

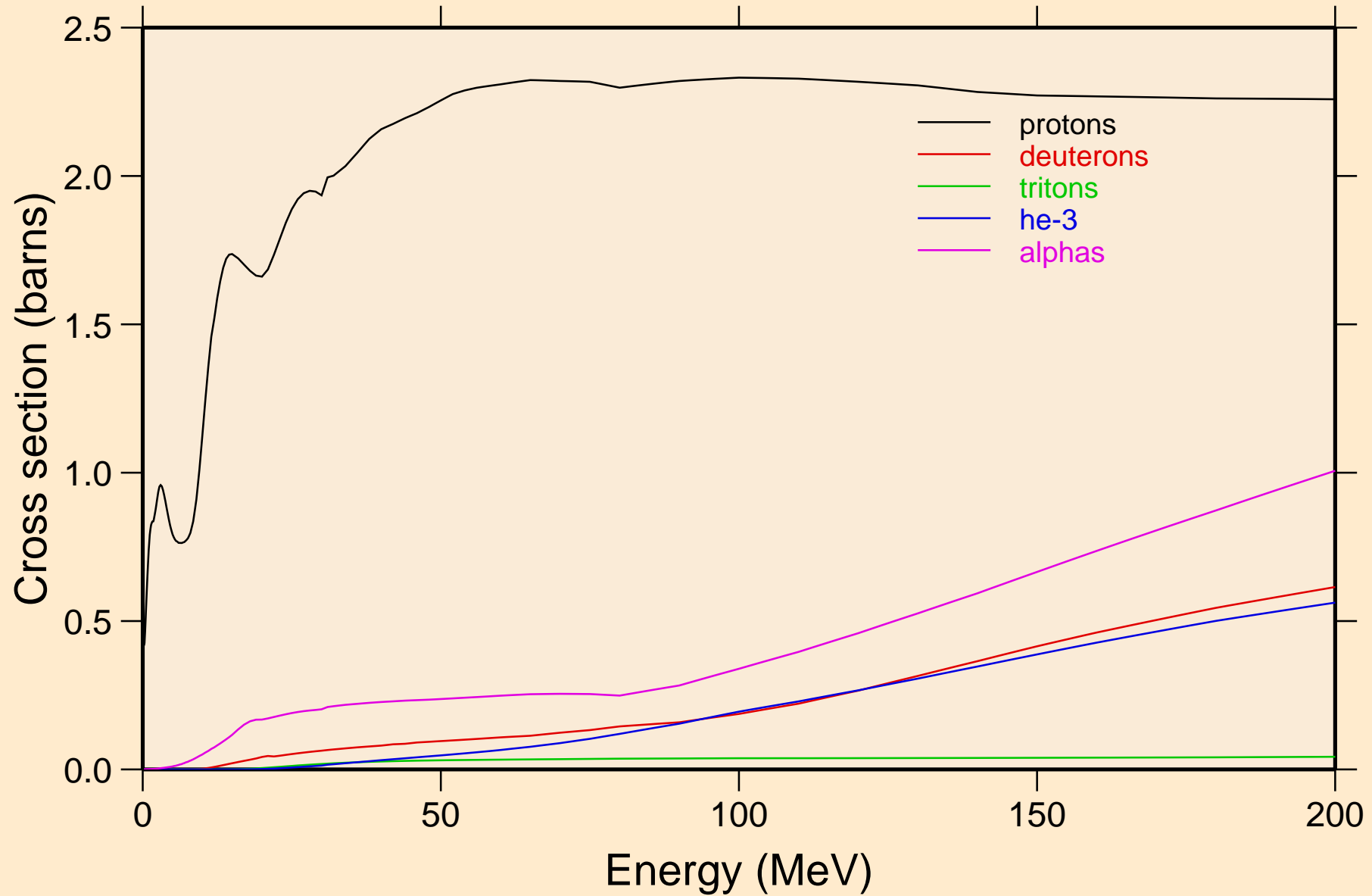


HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Recoil Heating

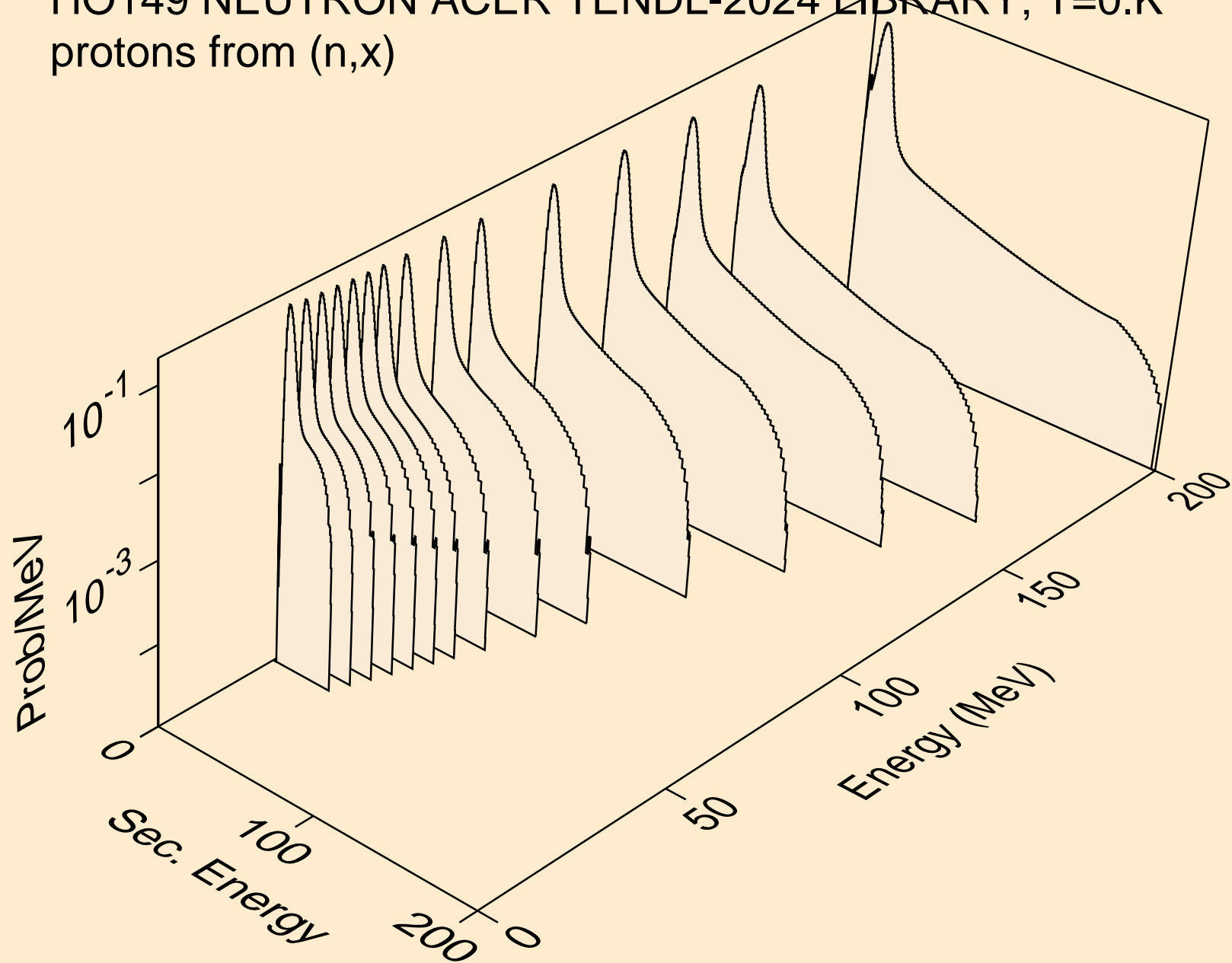


# HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

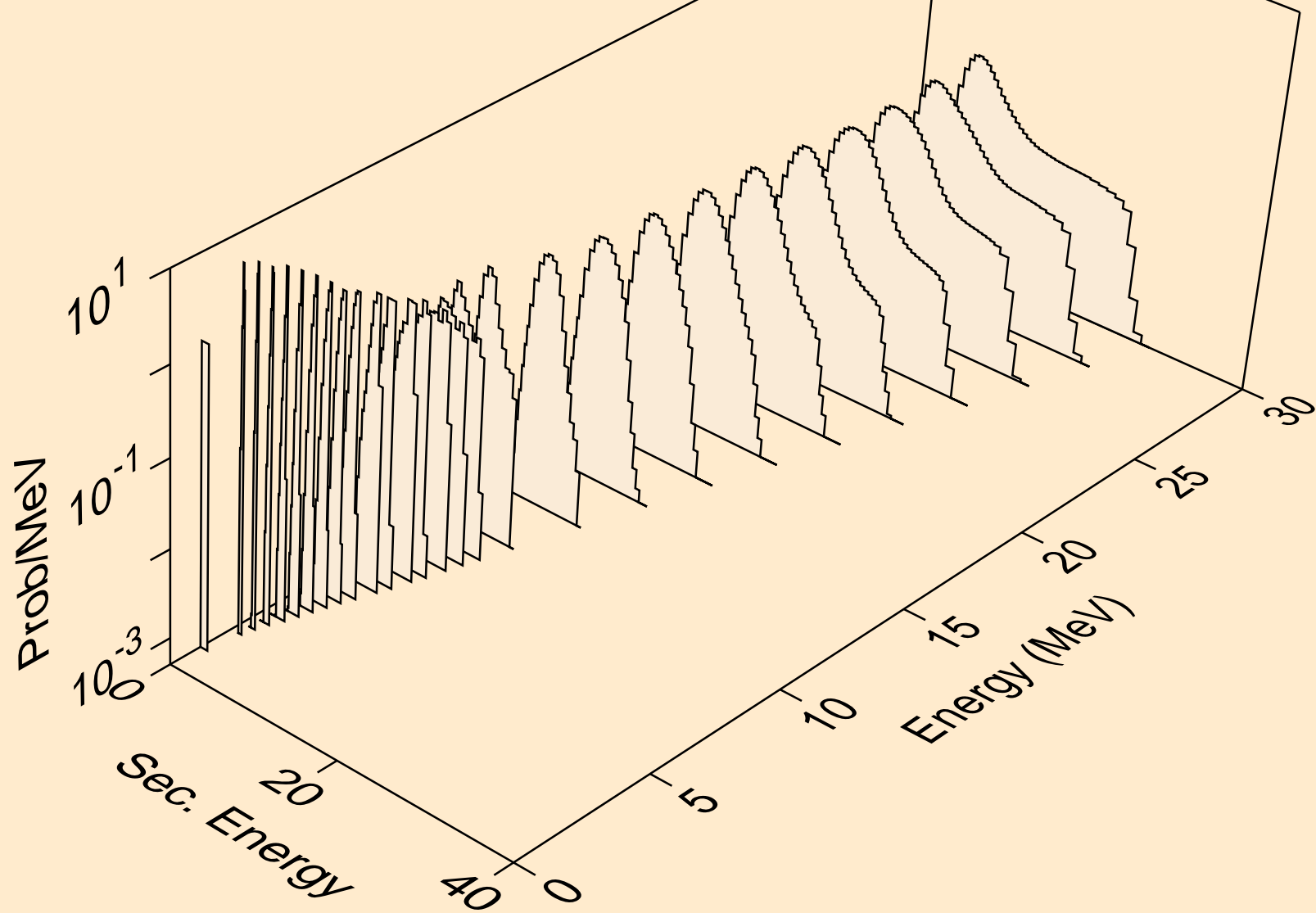
## Particle production cross sections



HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,x)

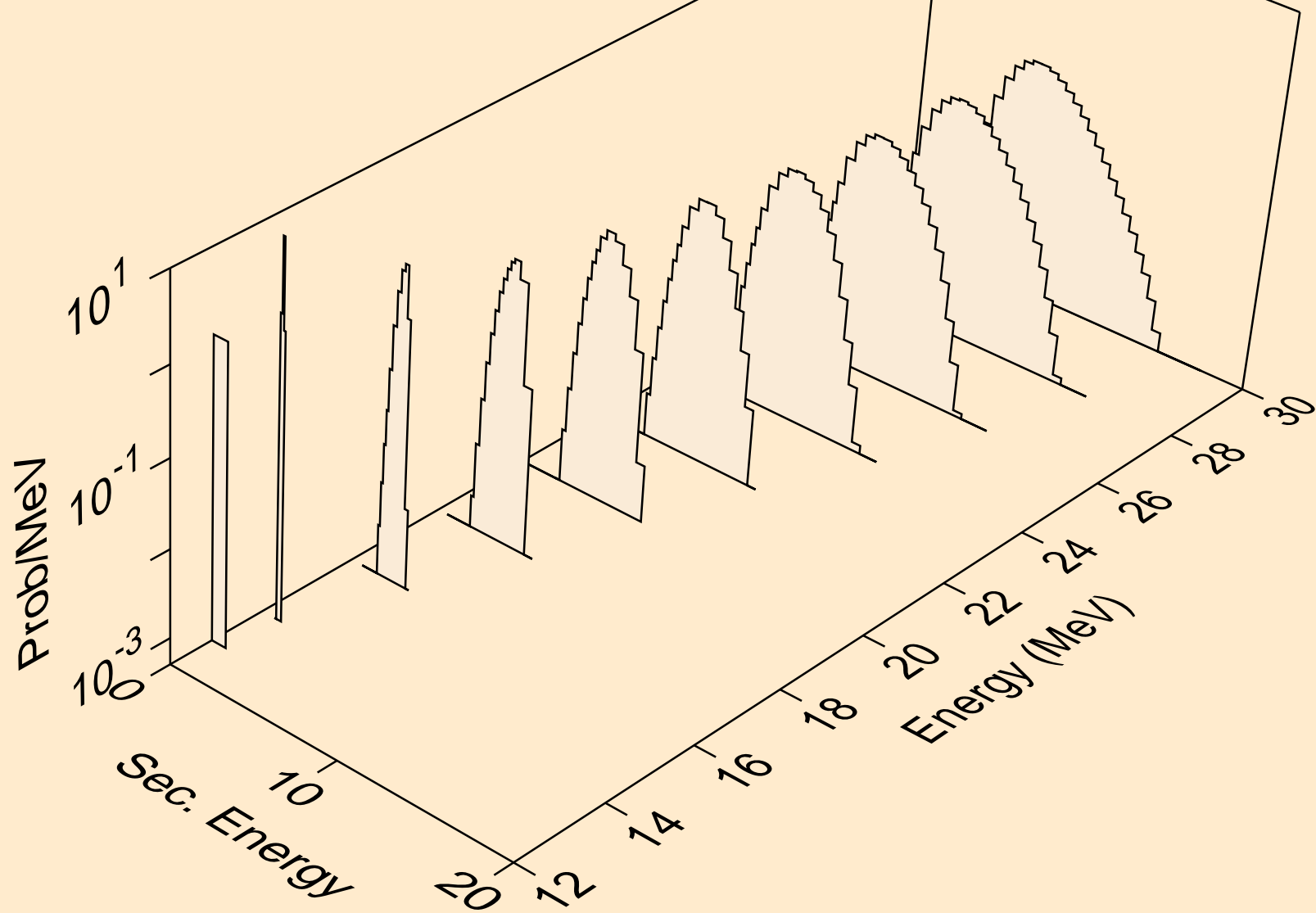


HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,n\*)p

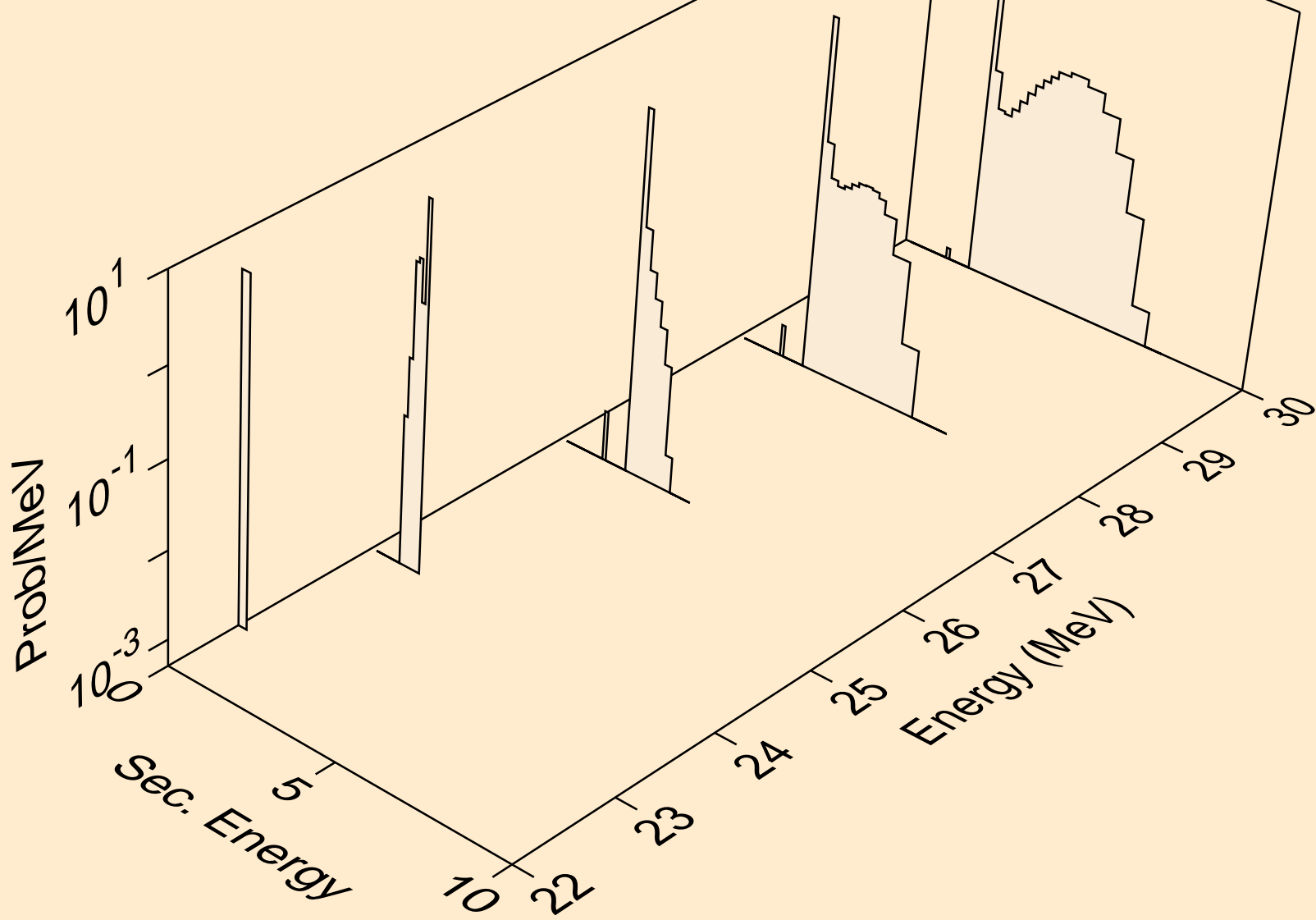




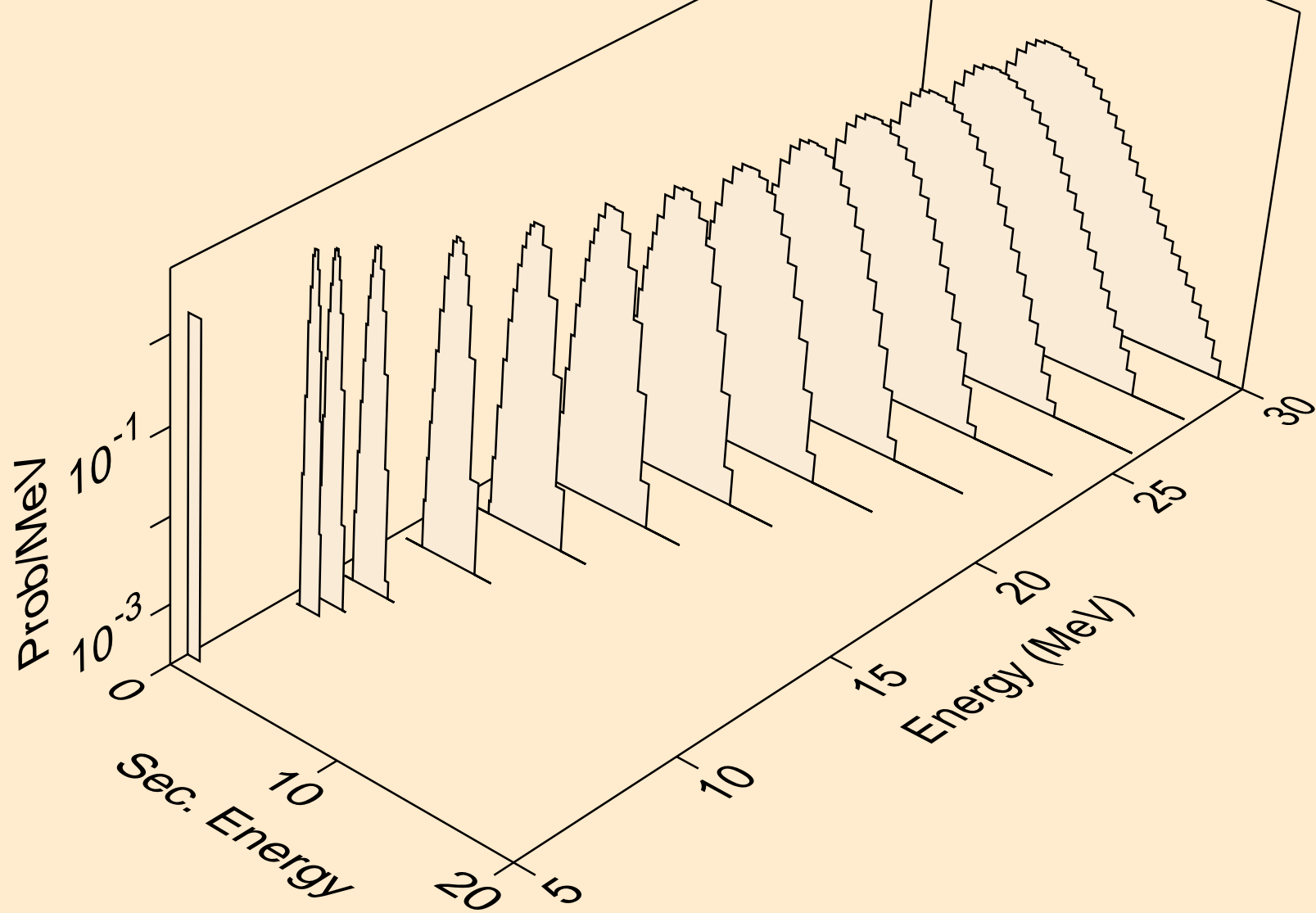
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protons from (n,2np)



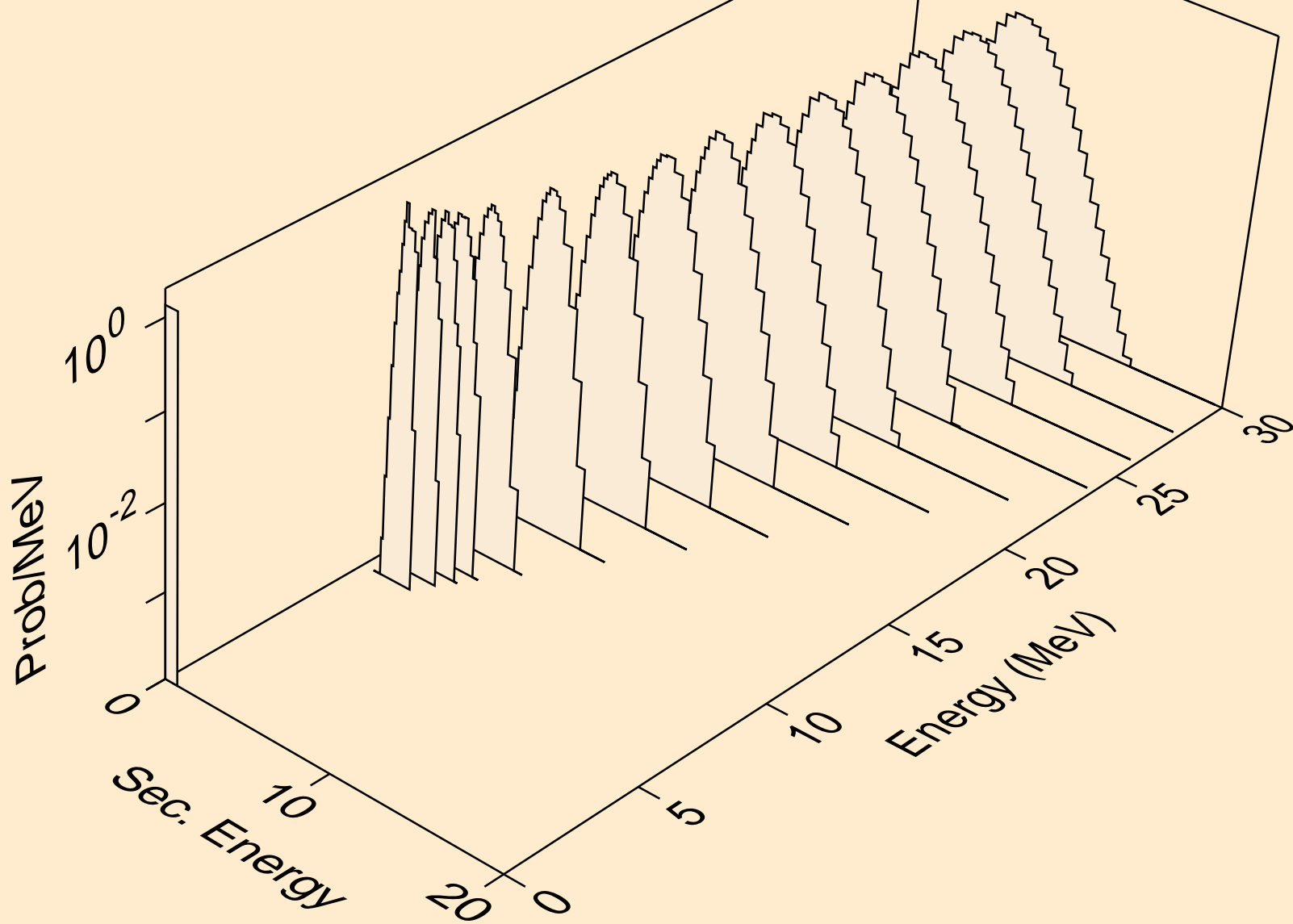
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protons from (n,3np)



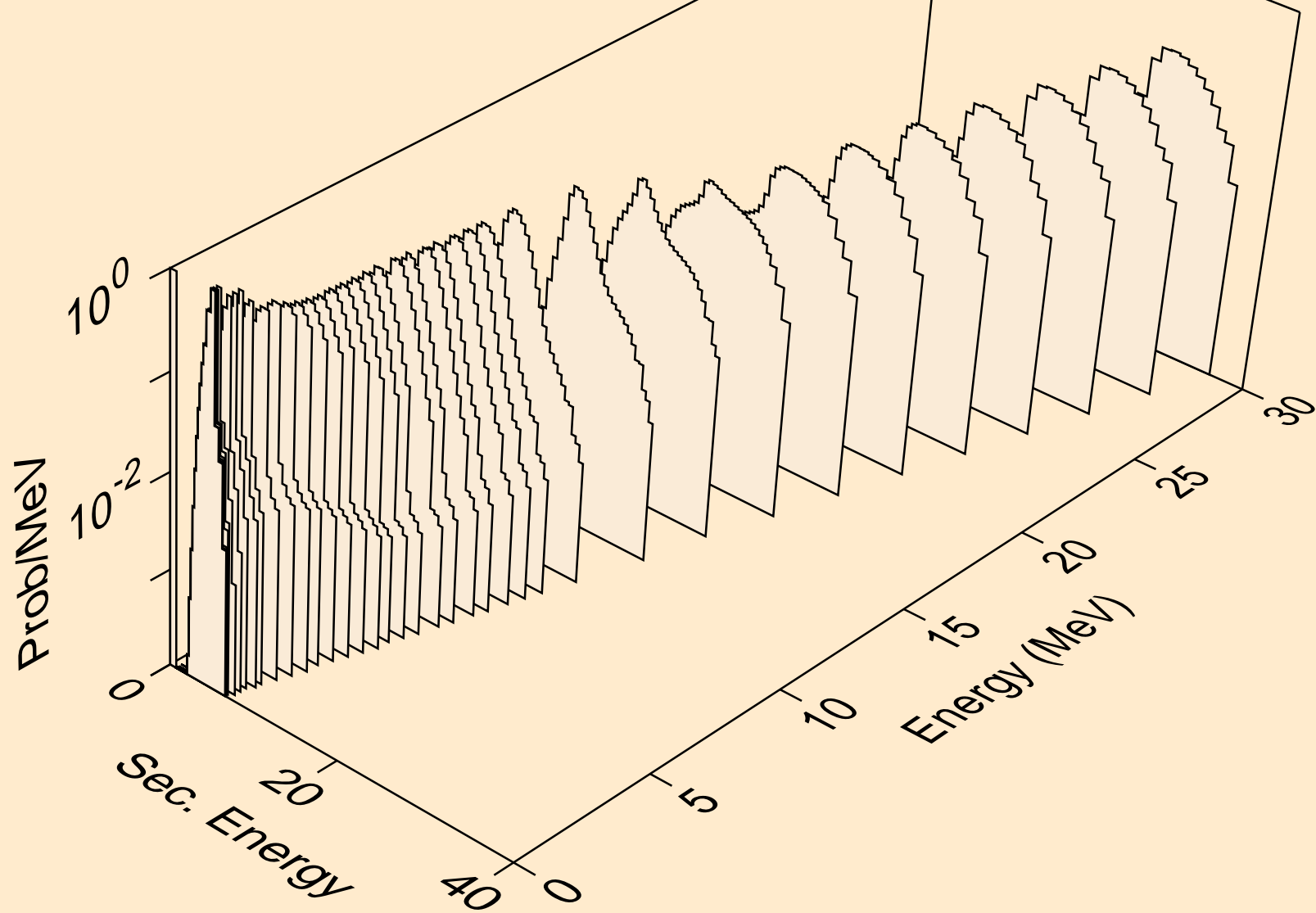
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protons from (n,n2p)



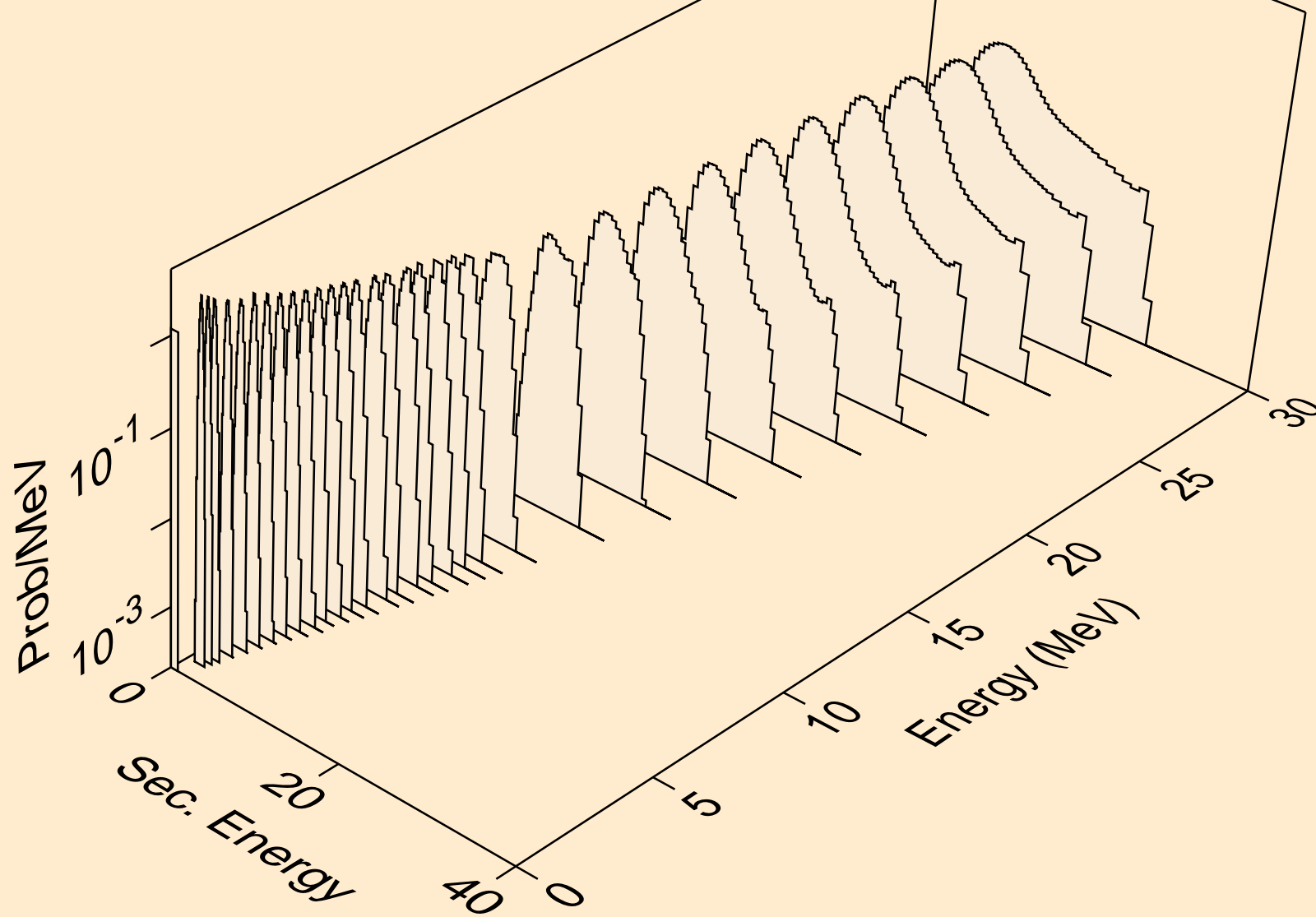
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protons from (n,npa)



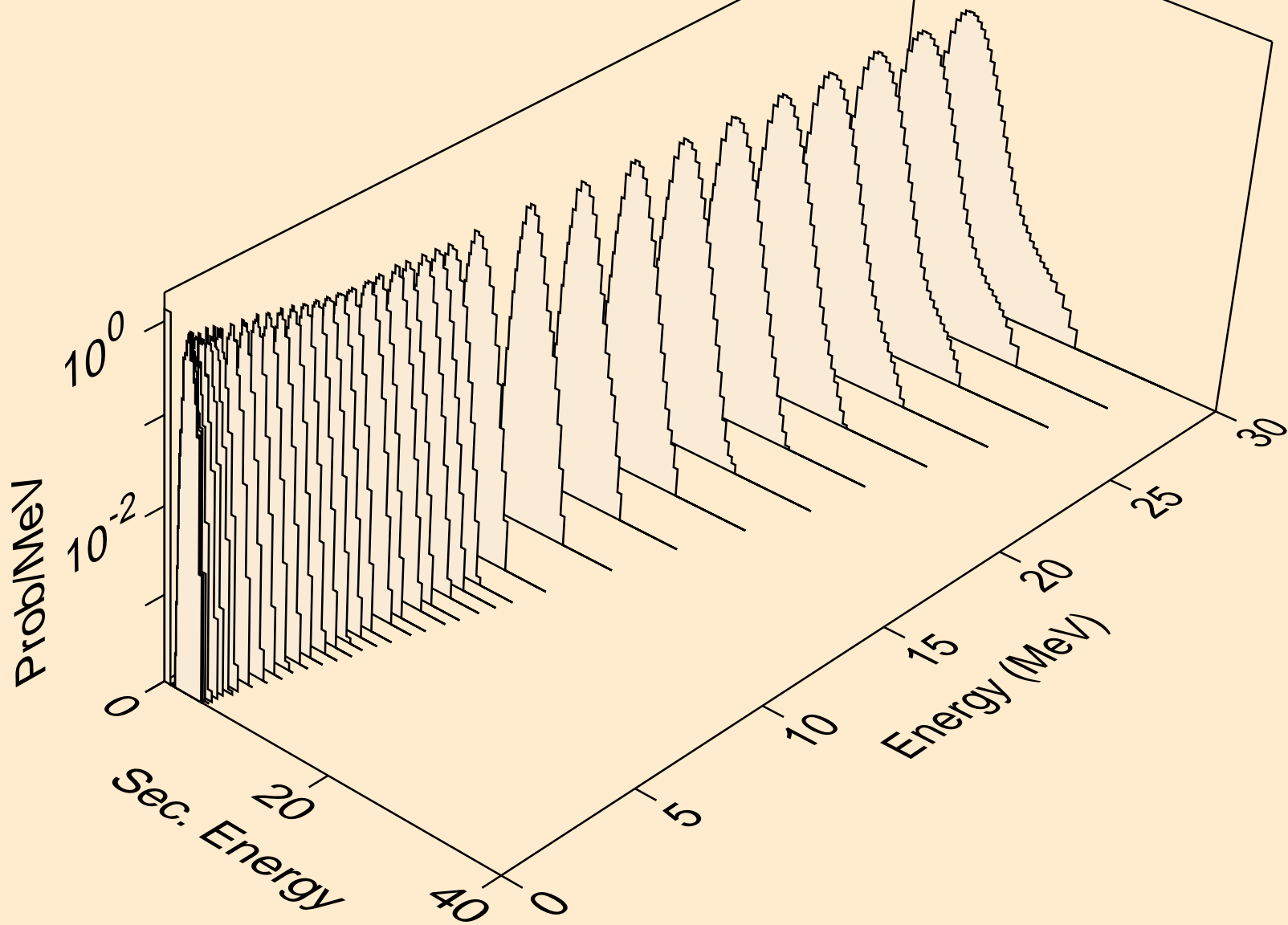
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protons from (n,p)



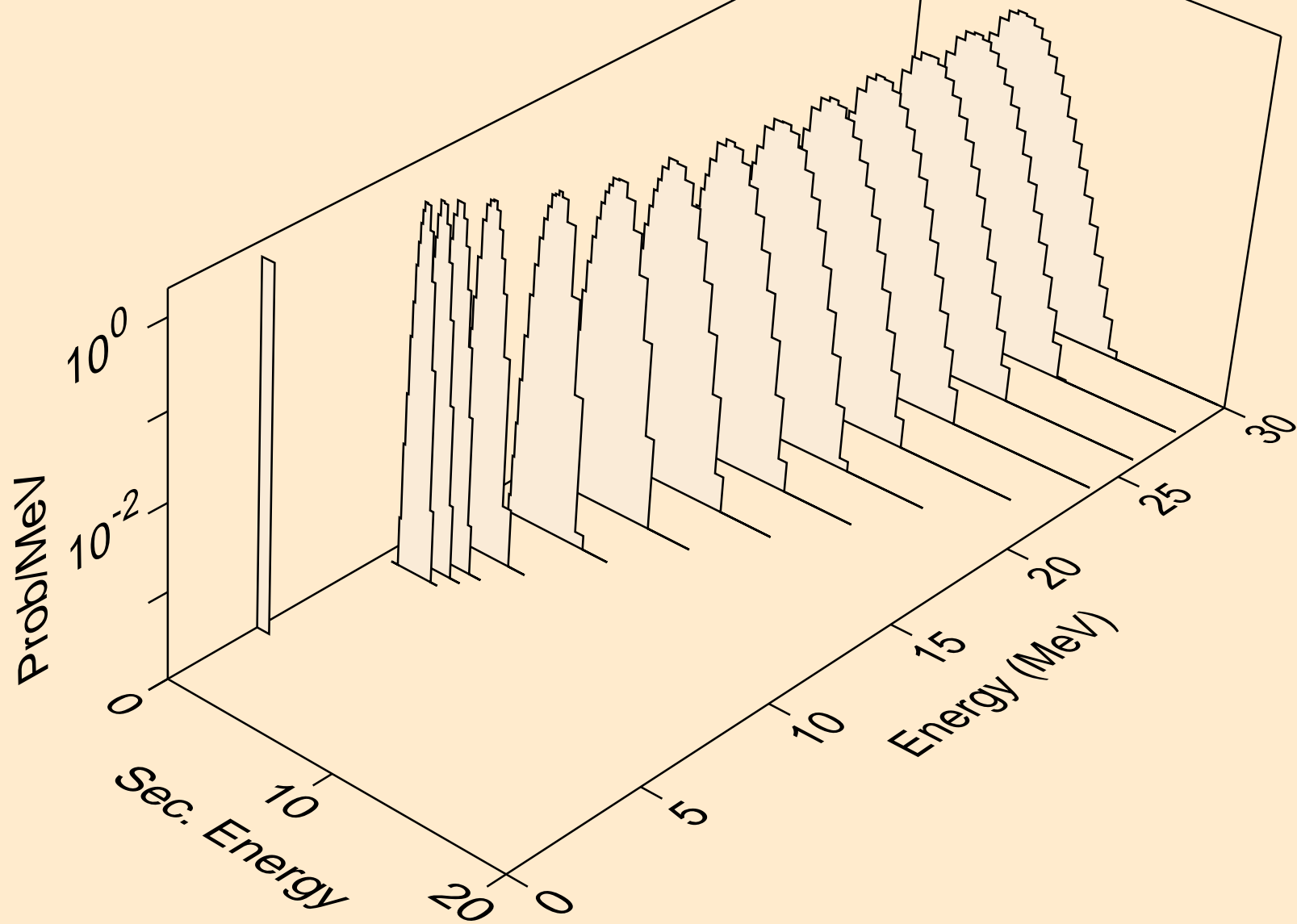
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protons from (n,2p)



HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,p)

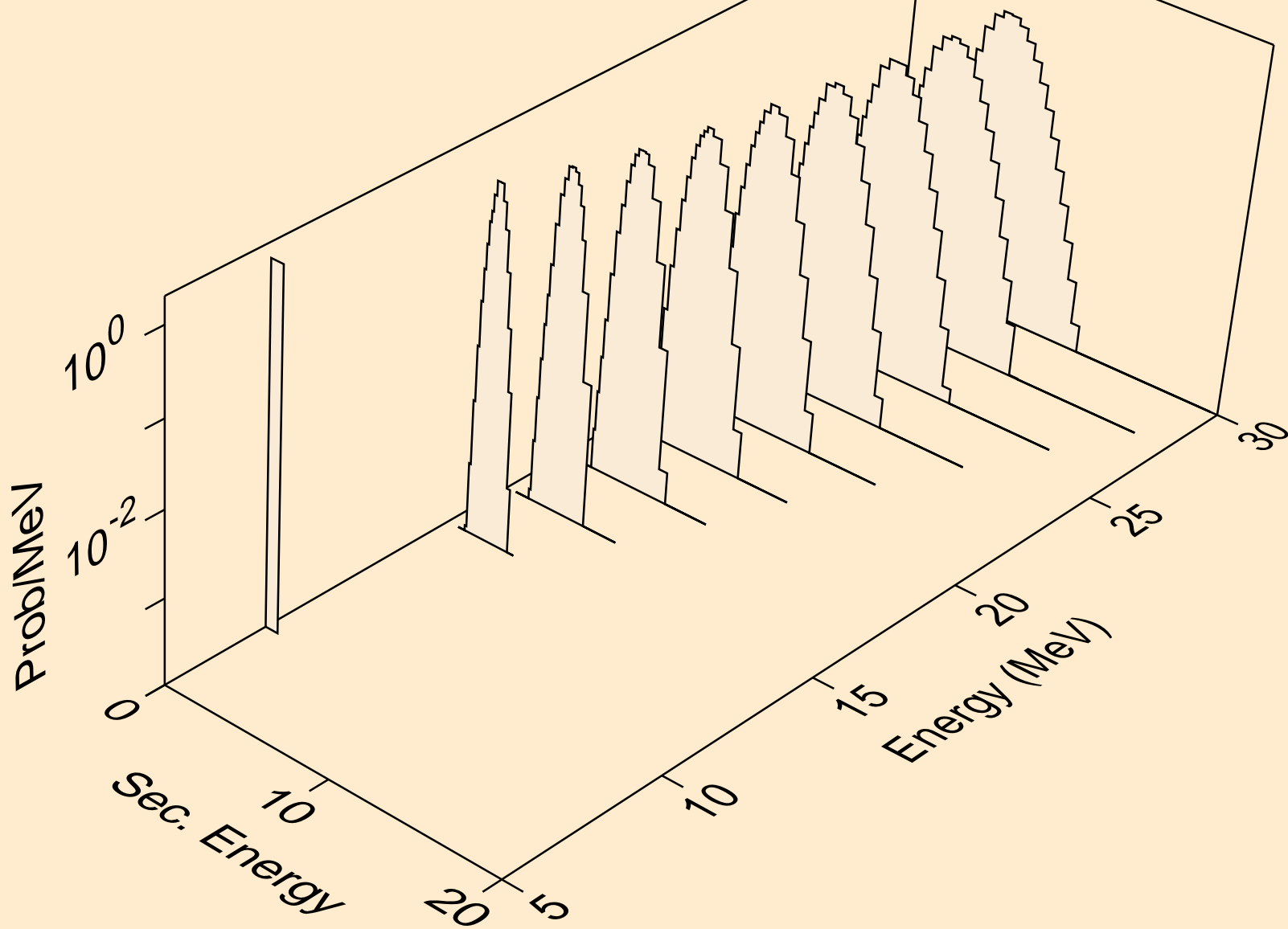


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protons from (n,pd)

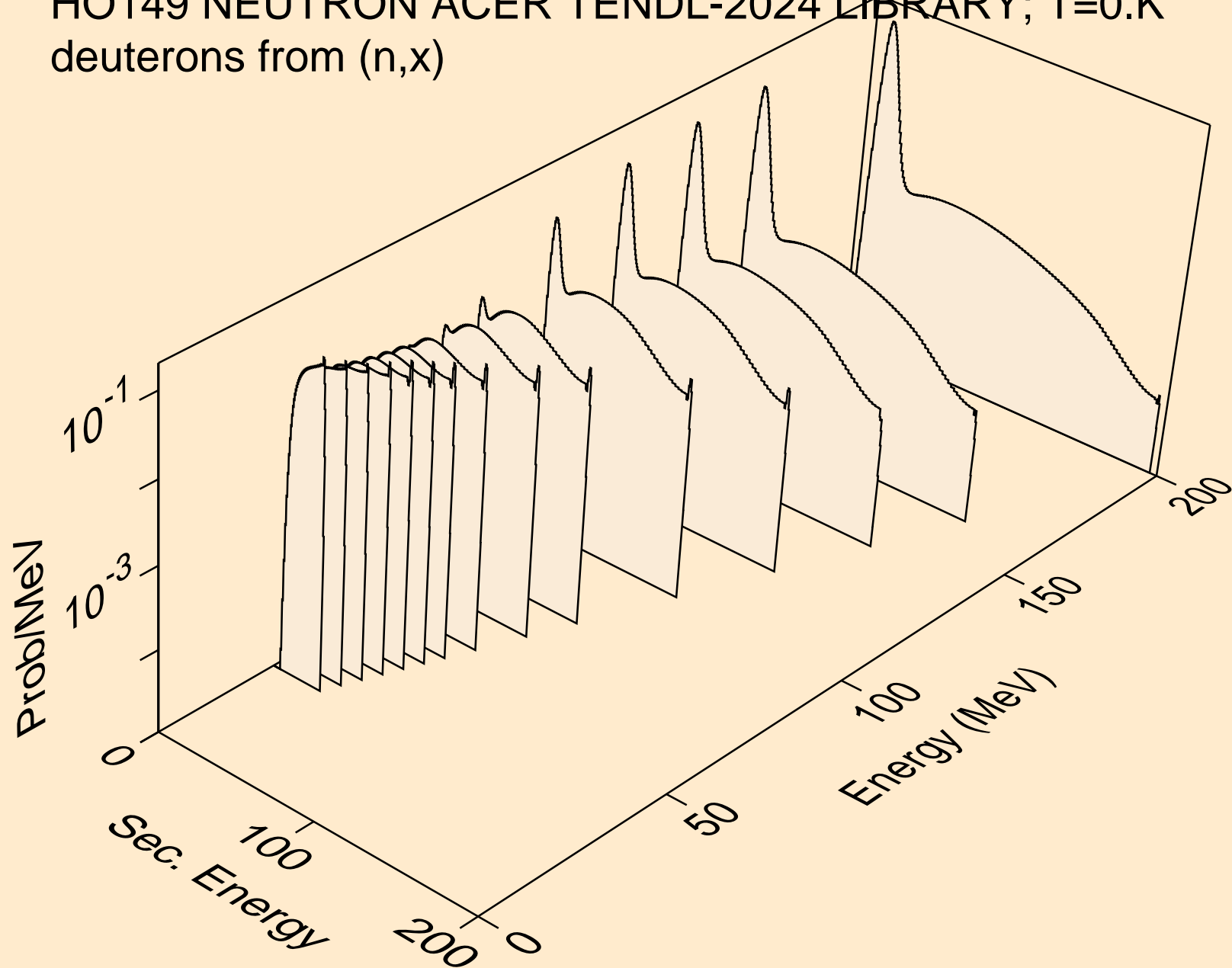




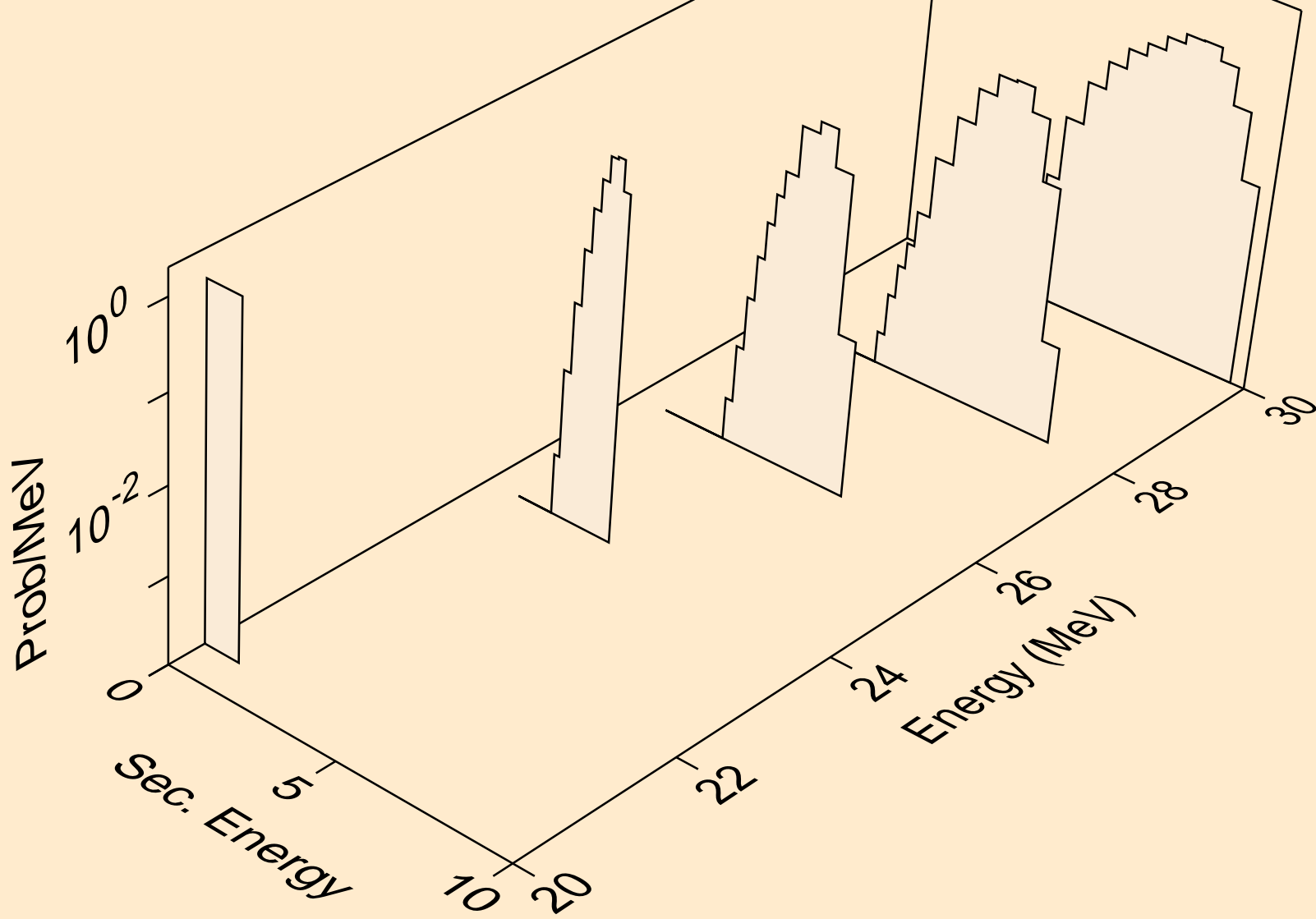
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protons from (n,pt)



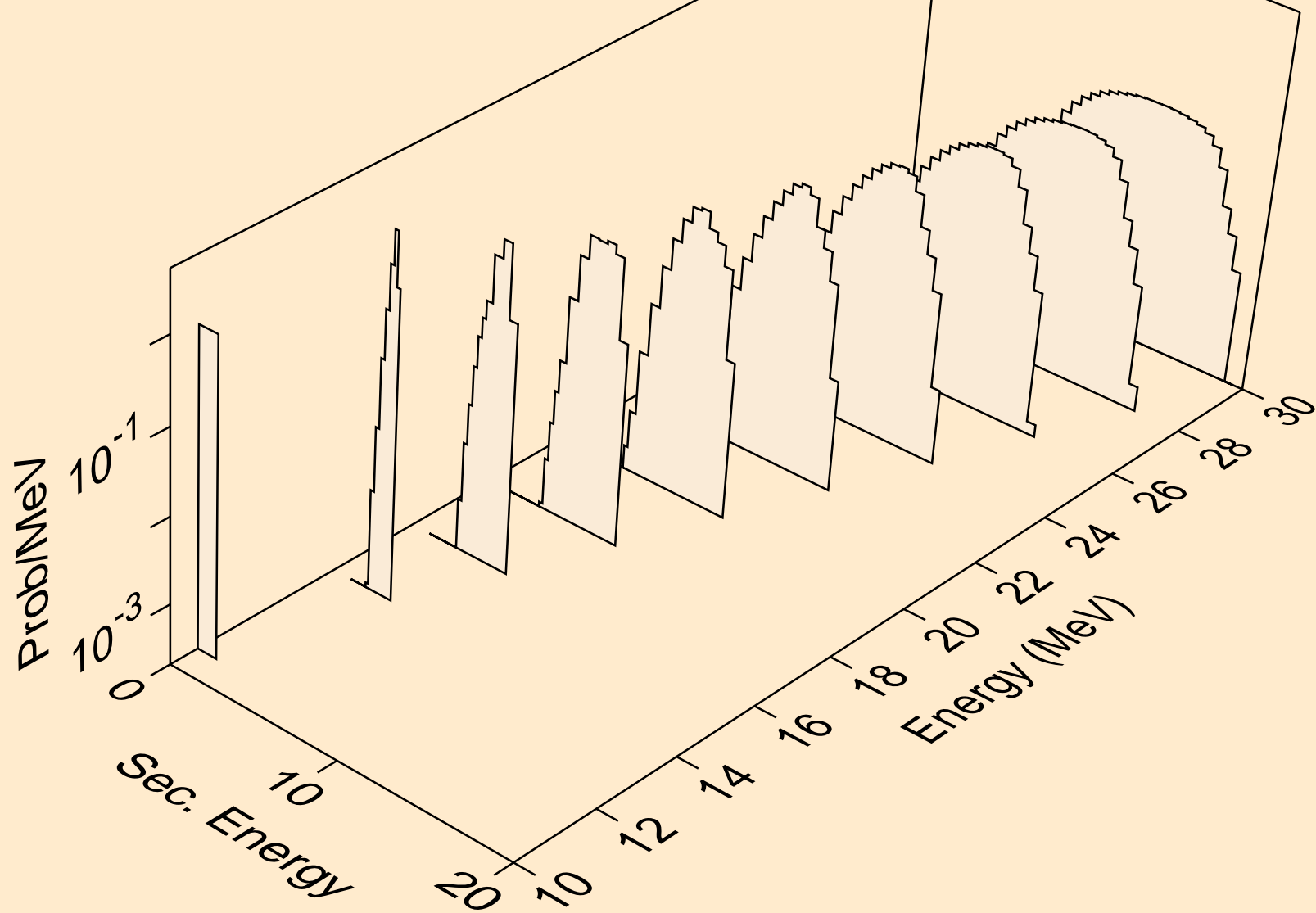
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deuterons from (n,x)



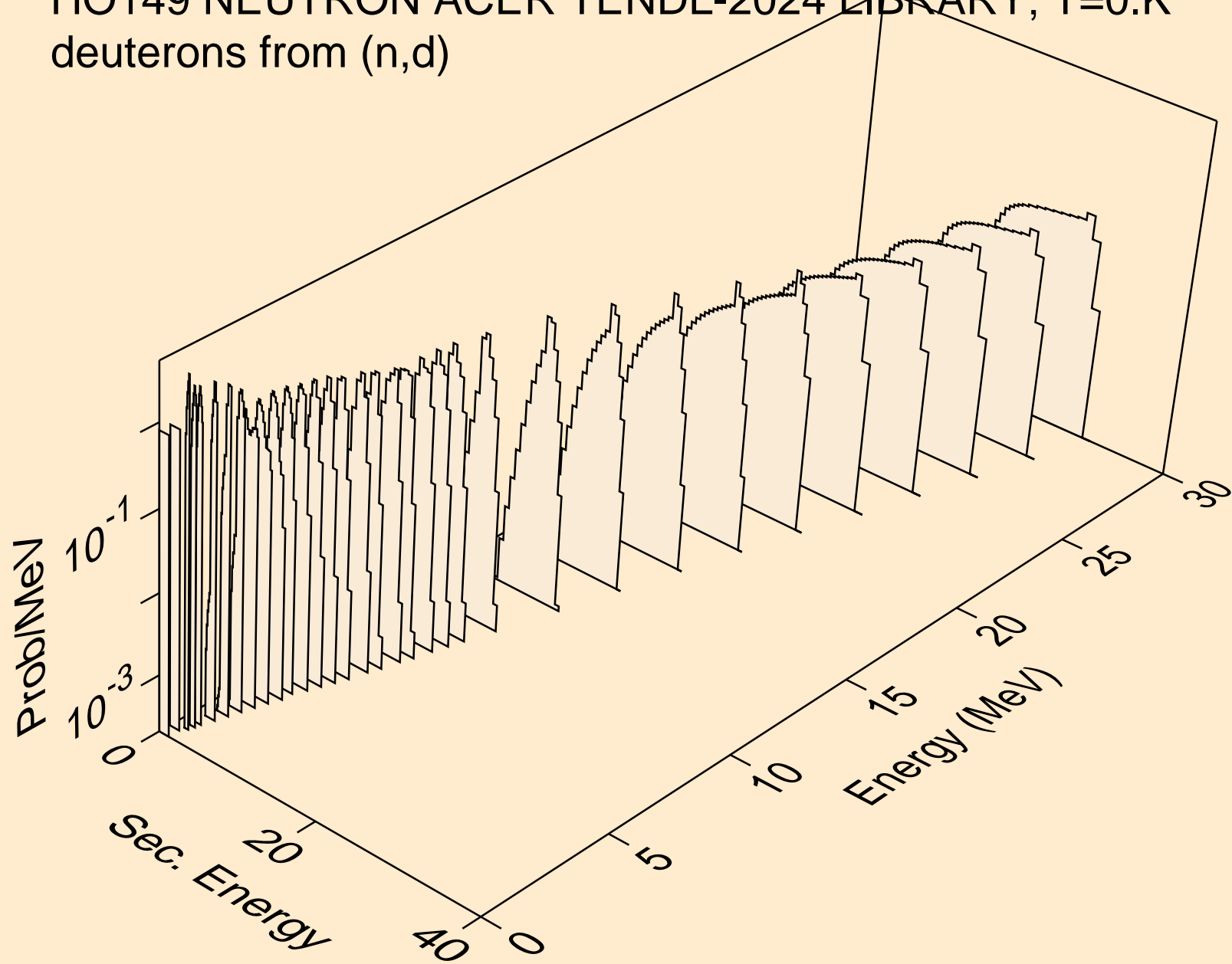
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deuterons from (n,2nd)



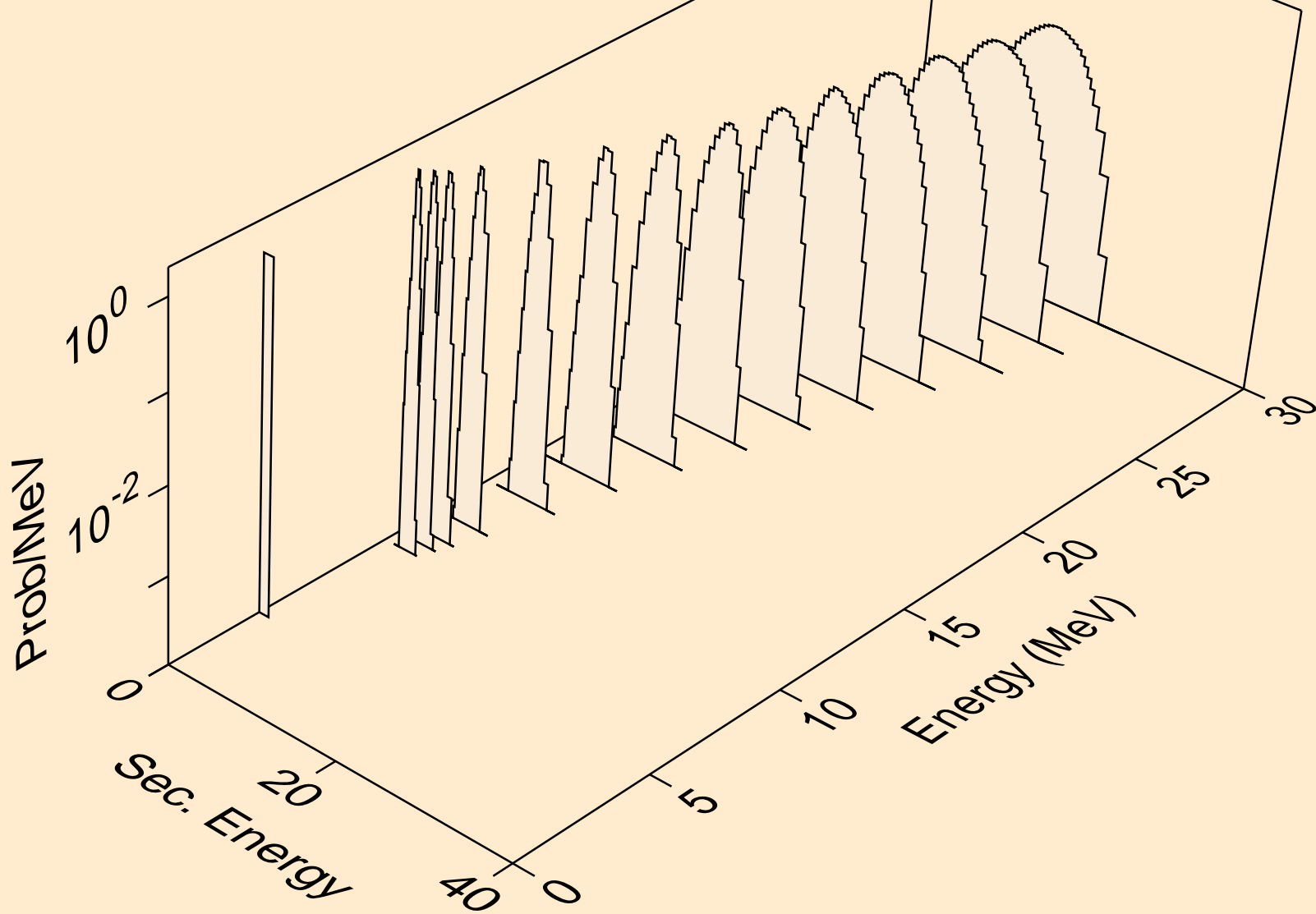
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deuterons from (n,n\*)d



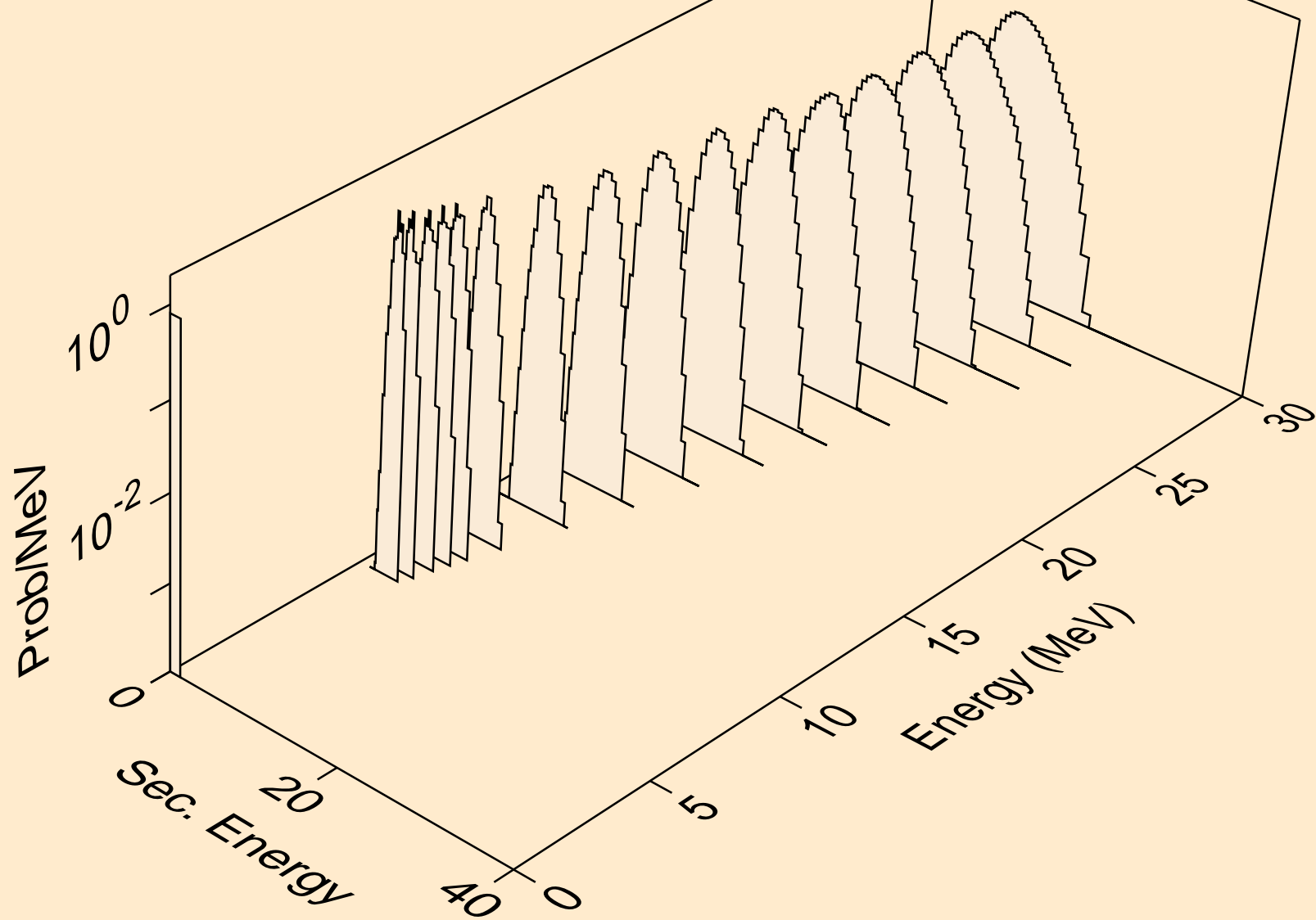
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deuterons from (n,d)



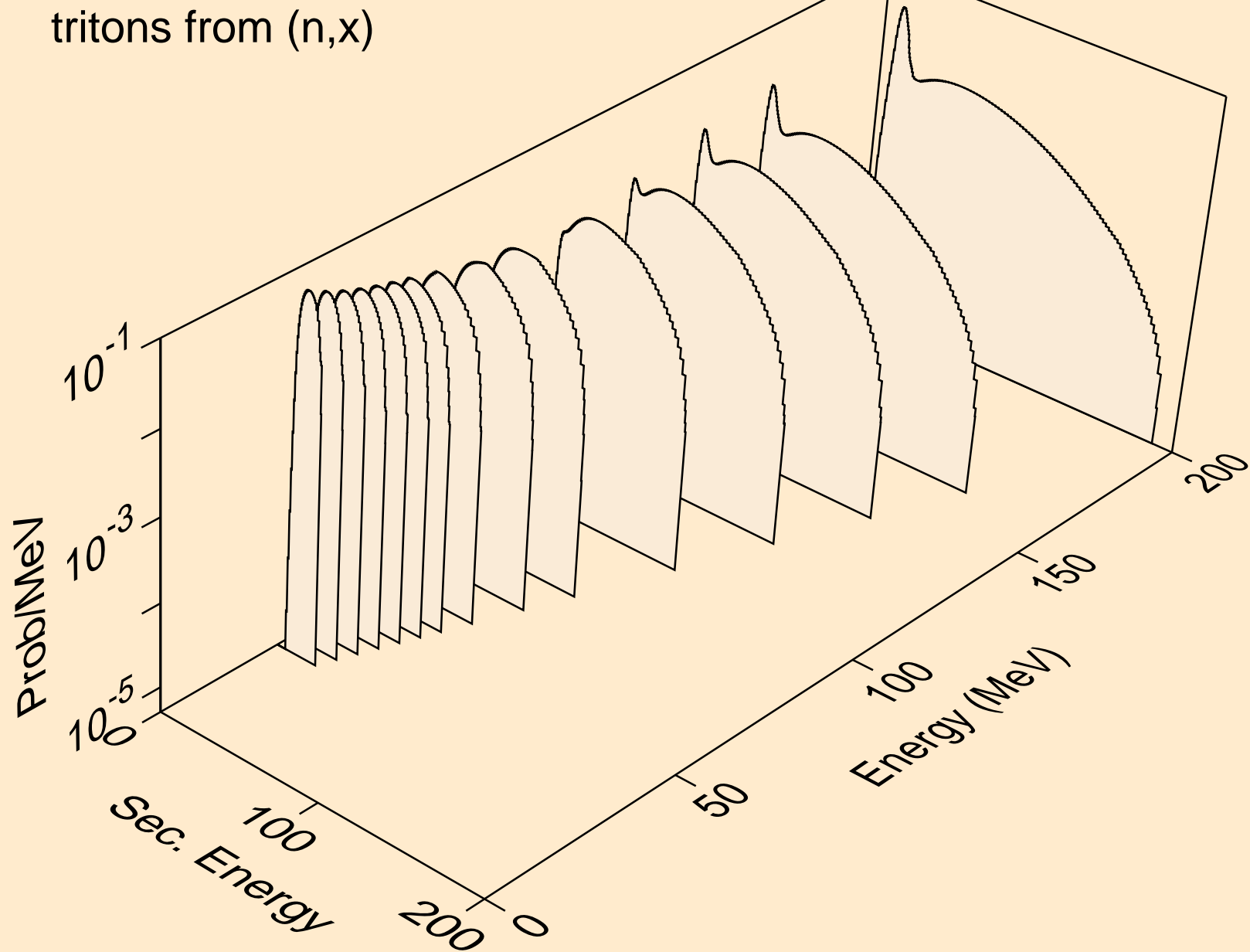
HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,pd)



HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,da)

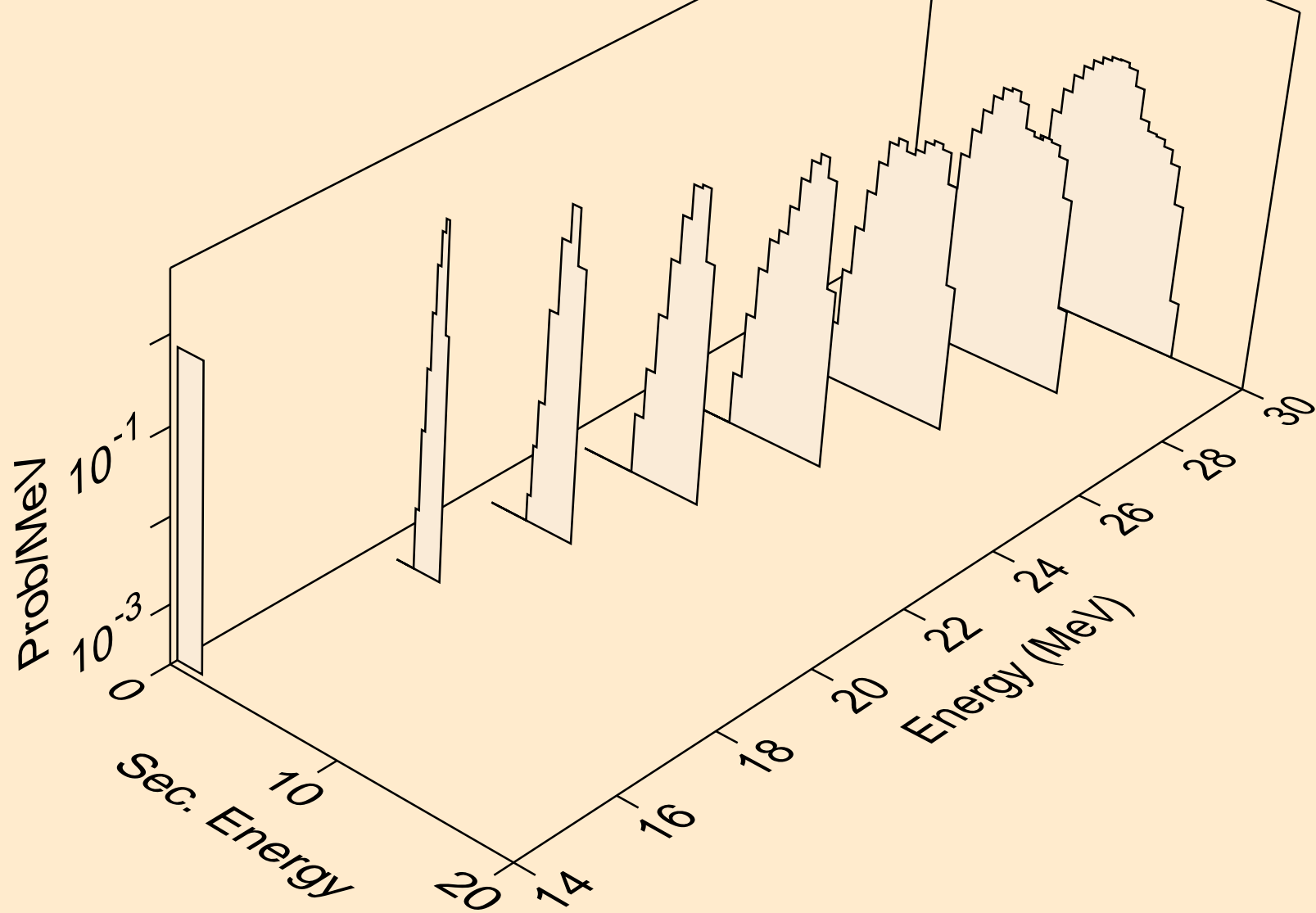


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tritons from (n,x)

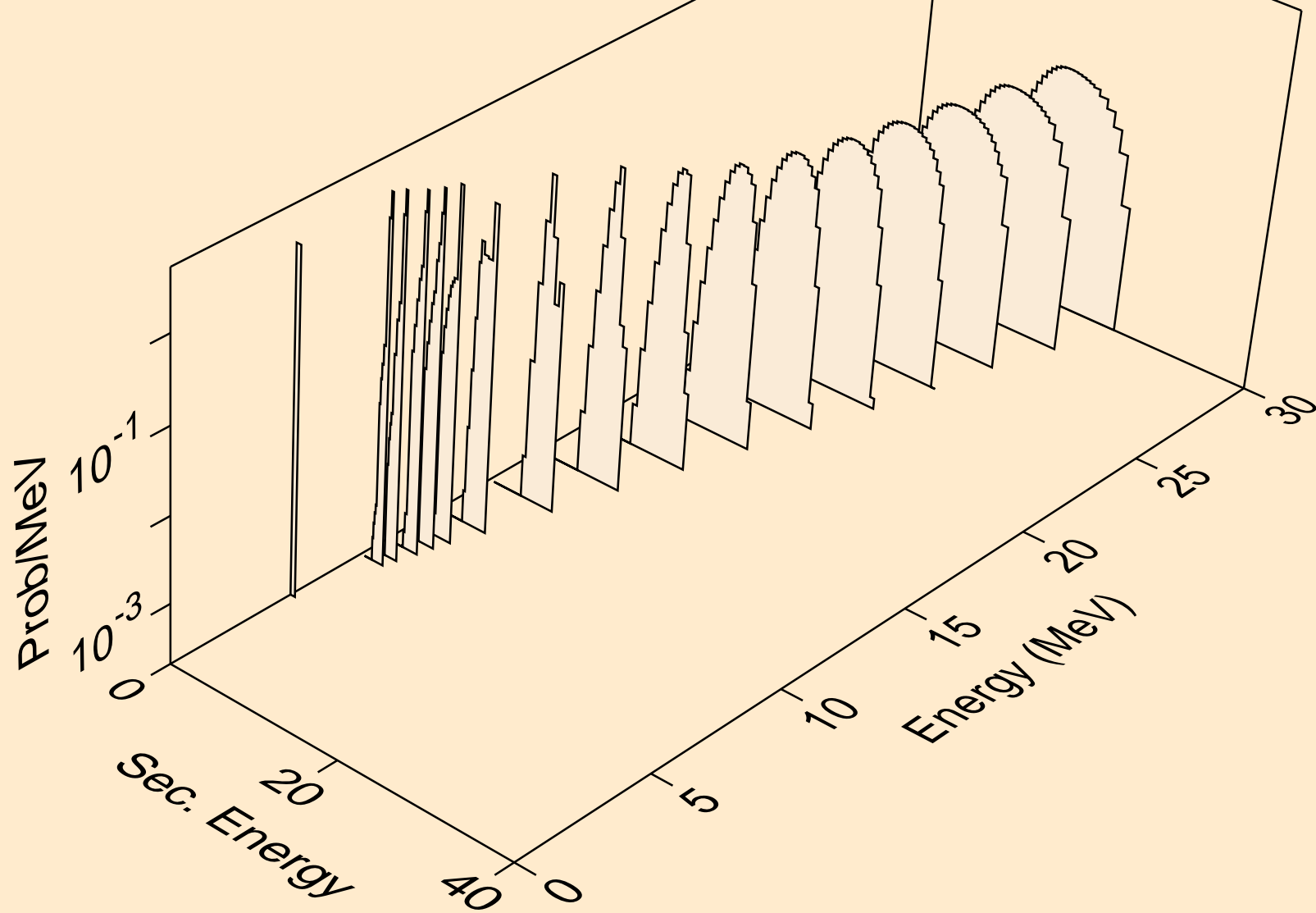




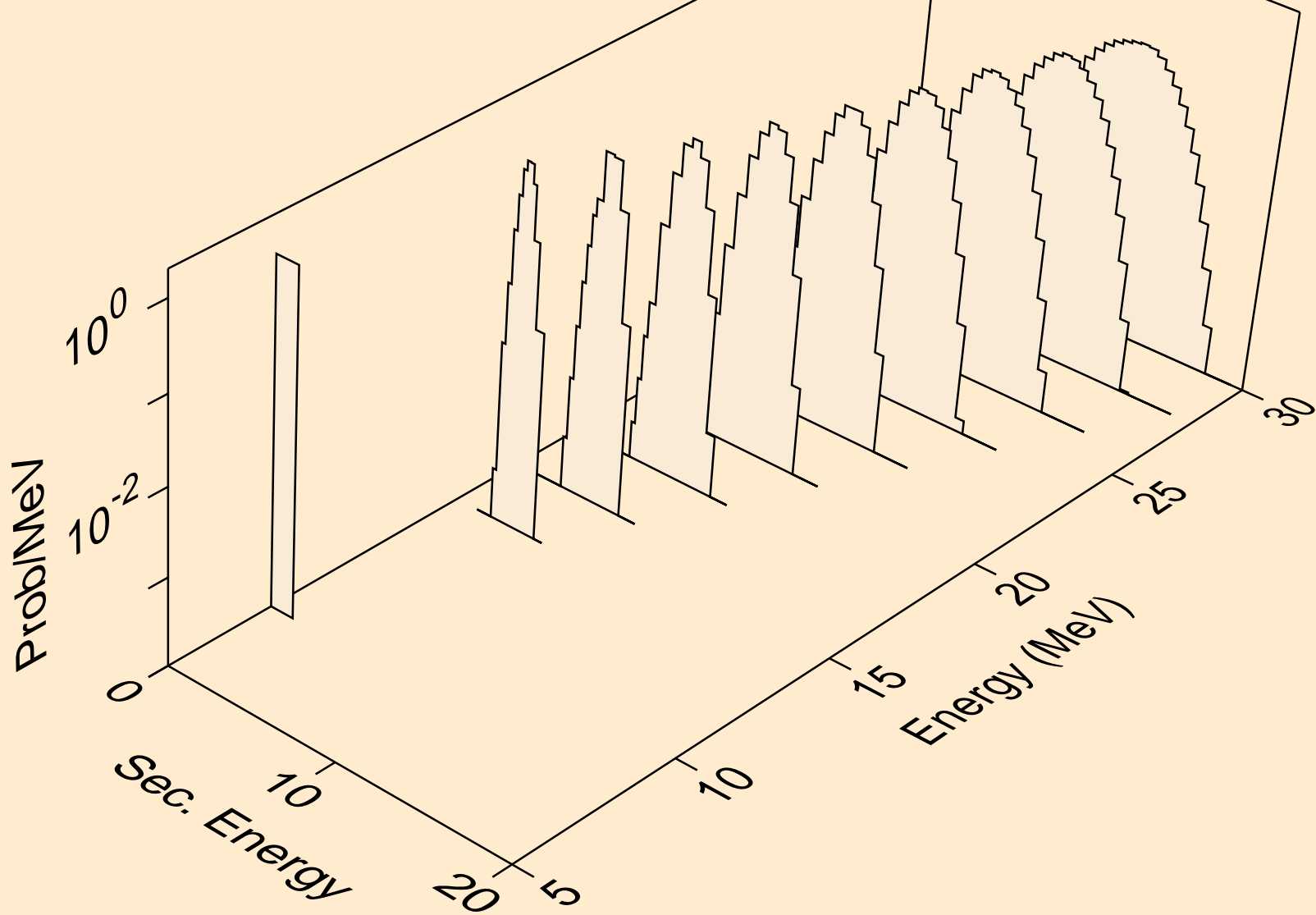
HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,n\*)t



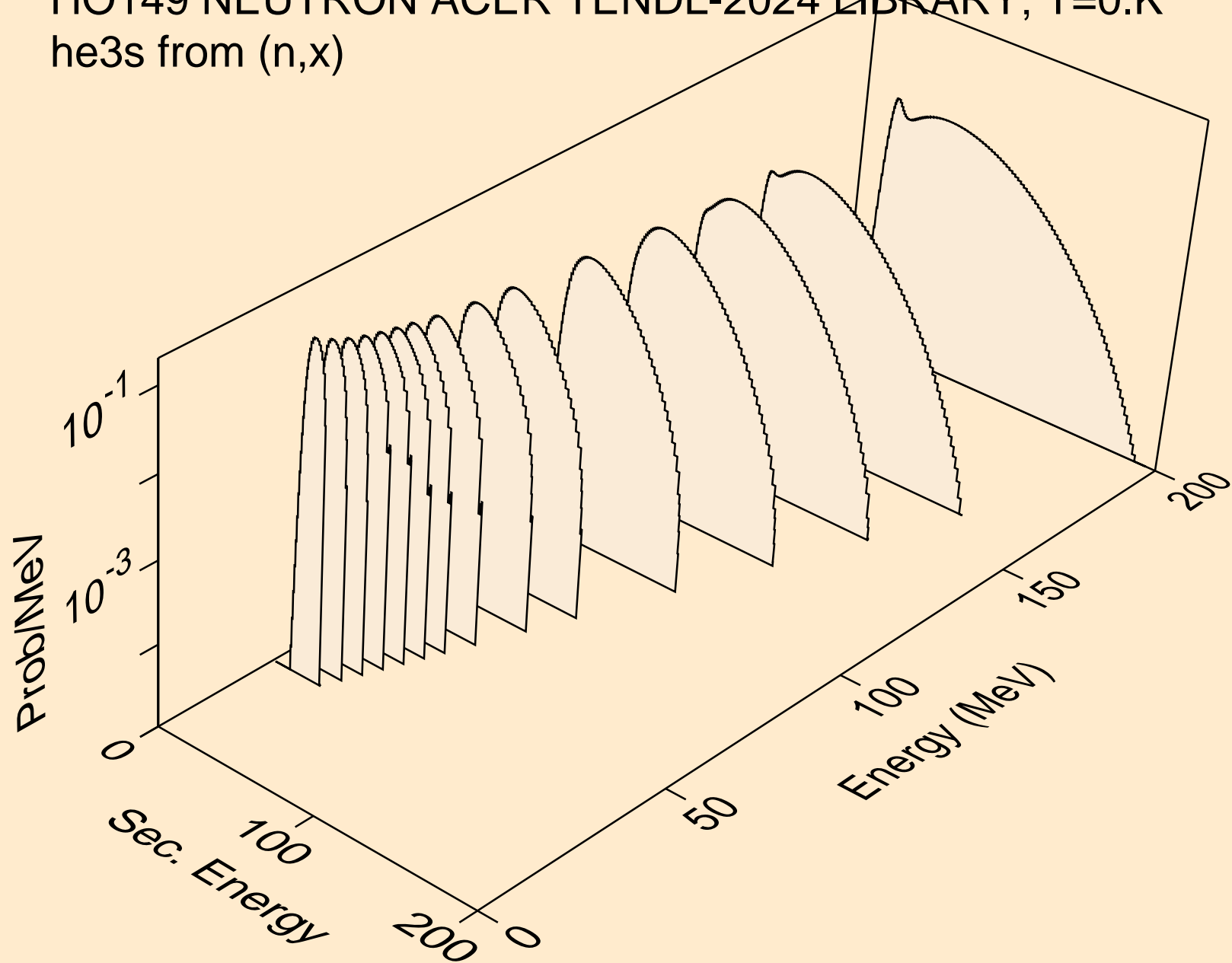
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tritons from (n,t)



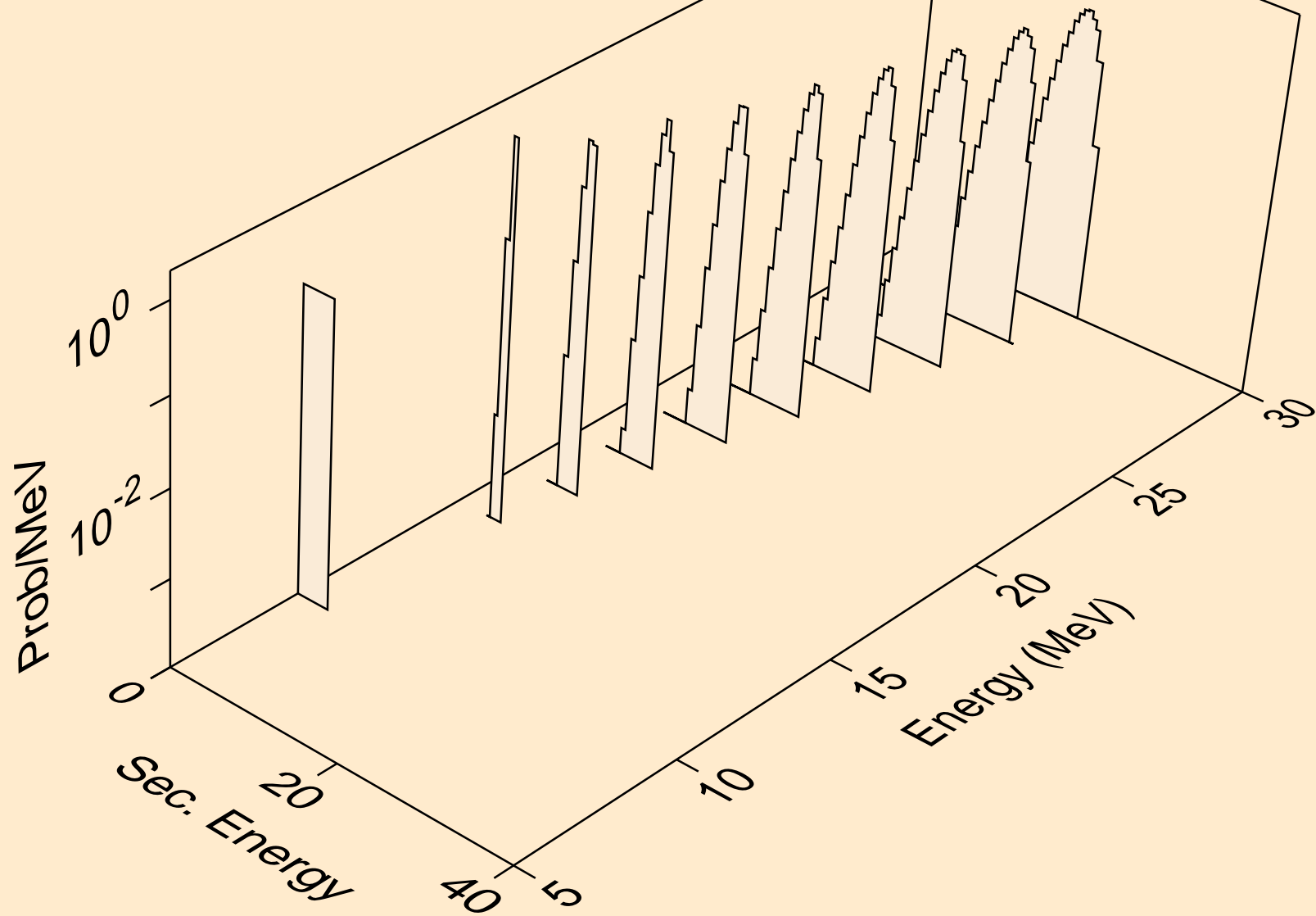
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tritons from (n,pt)



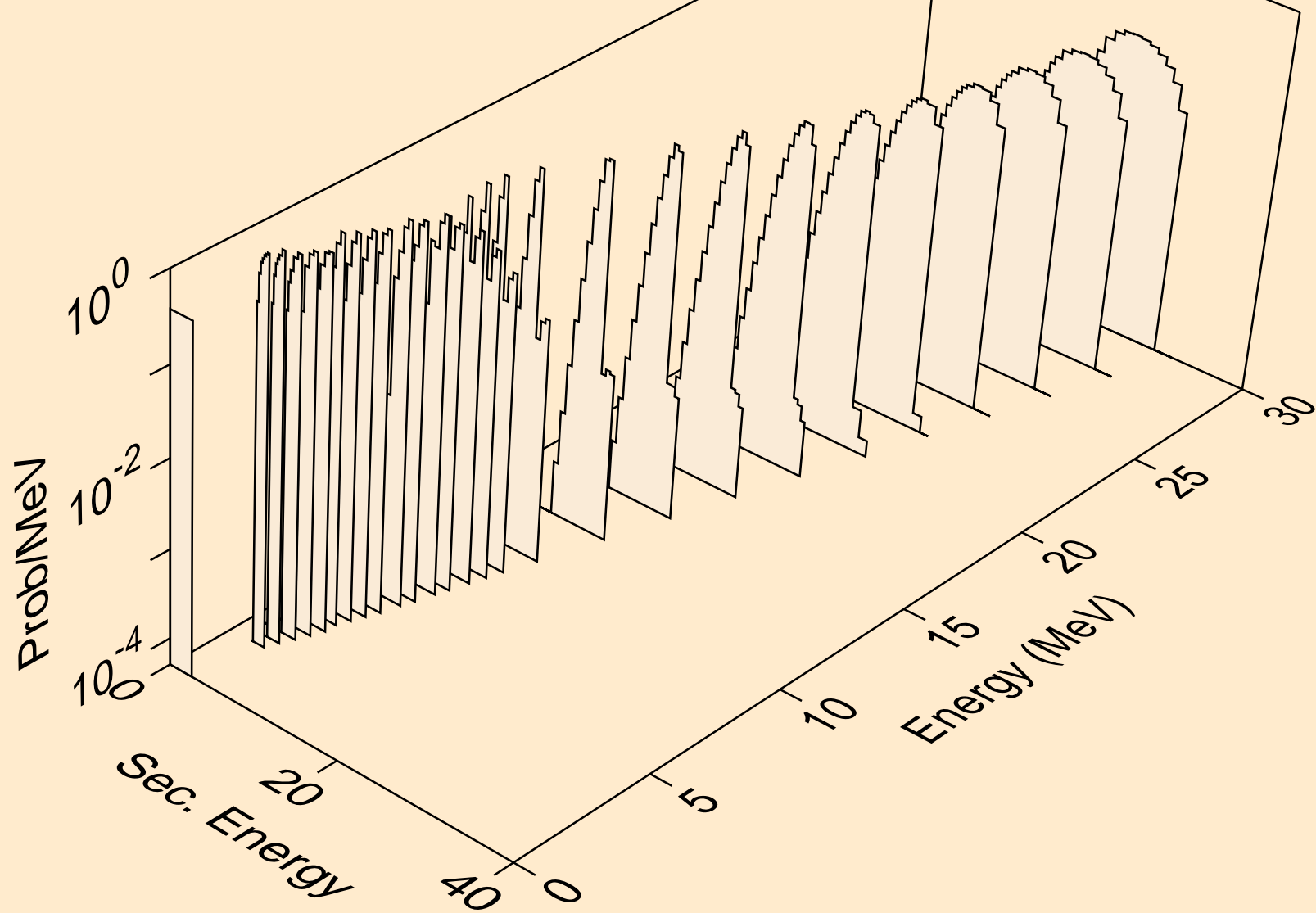
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he3s from (n,x)



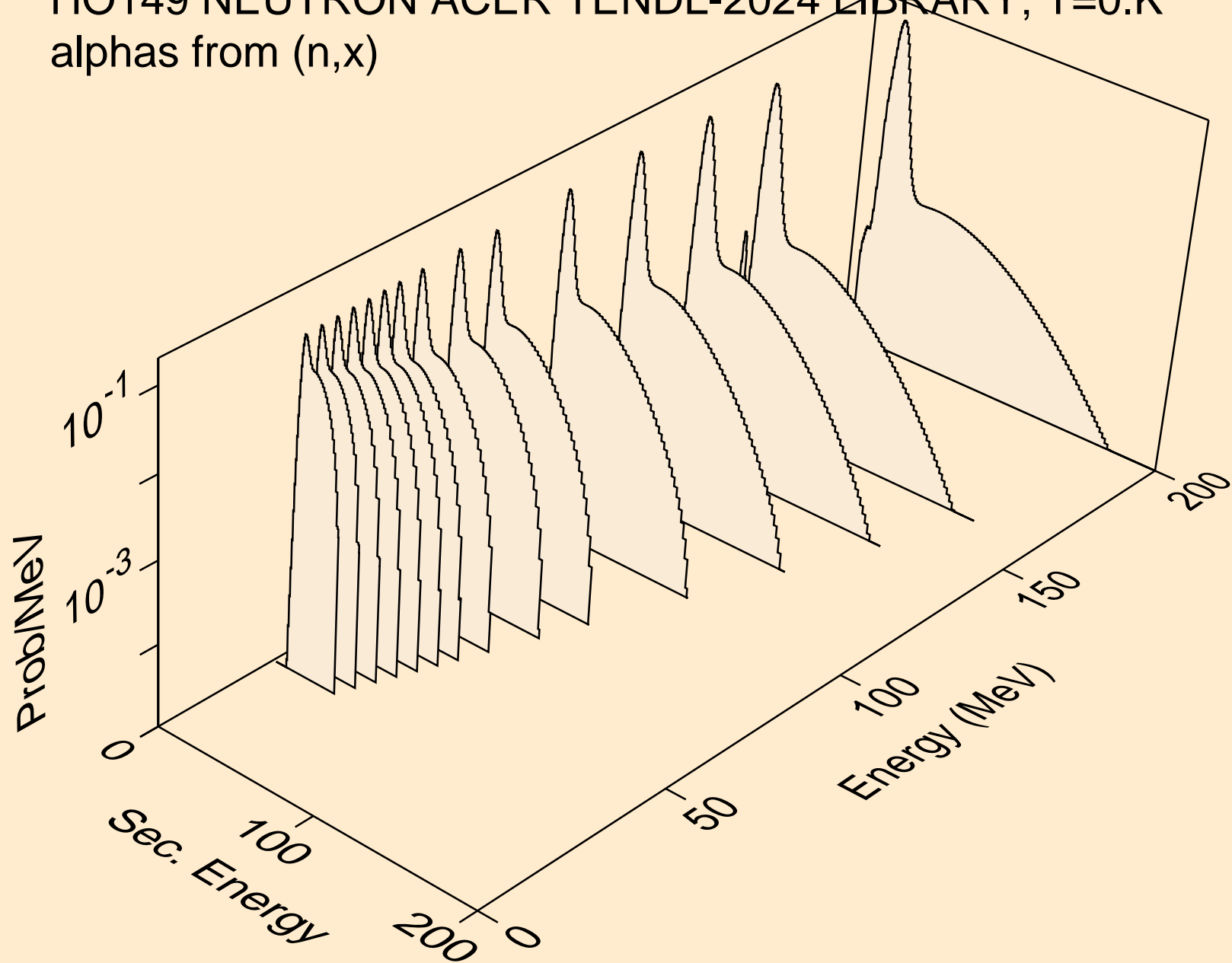
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he3s from (n,n\*)he3



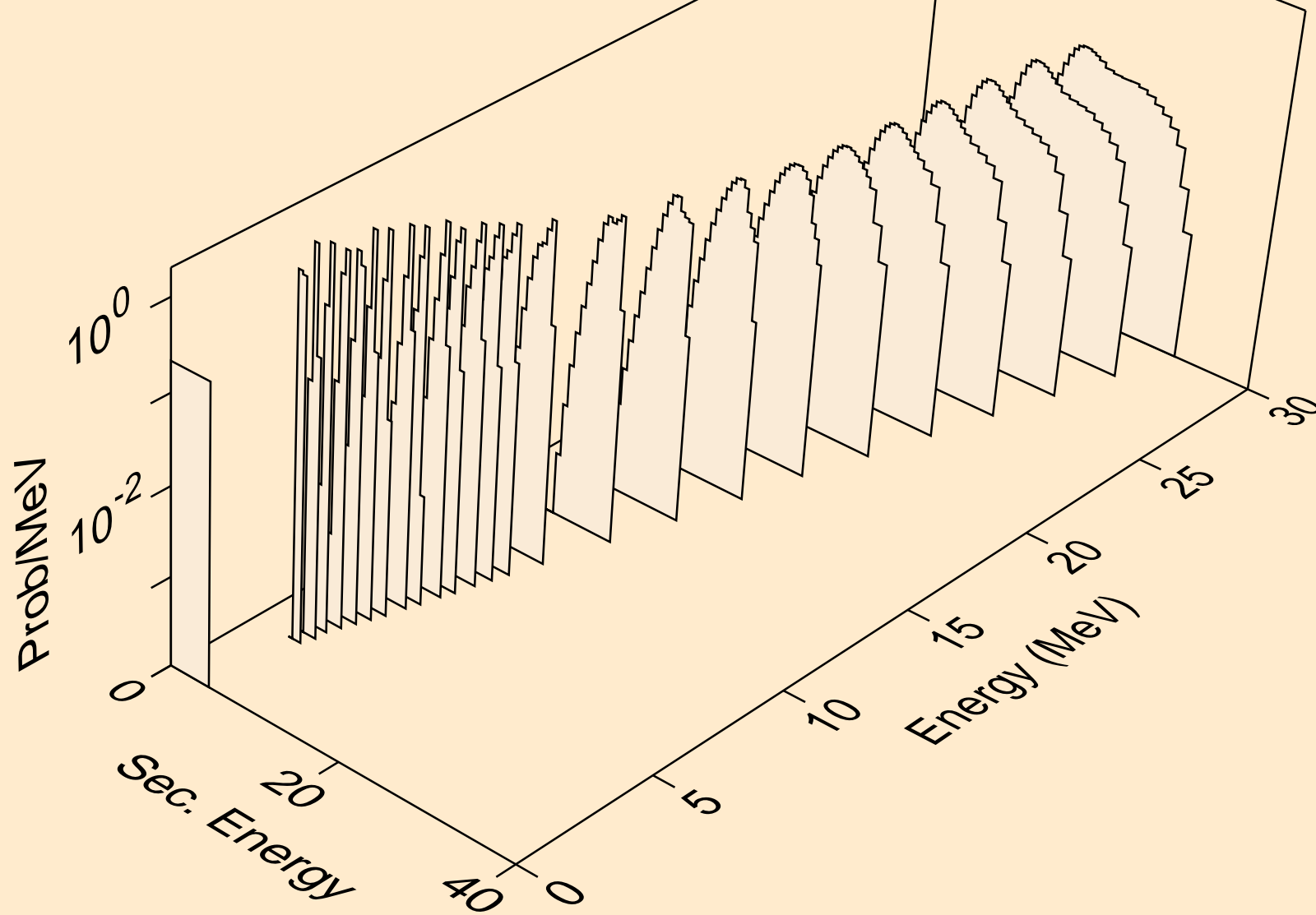
HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,he3)



HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,x)

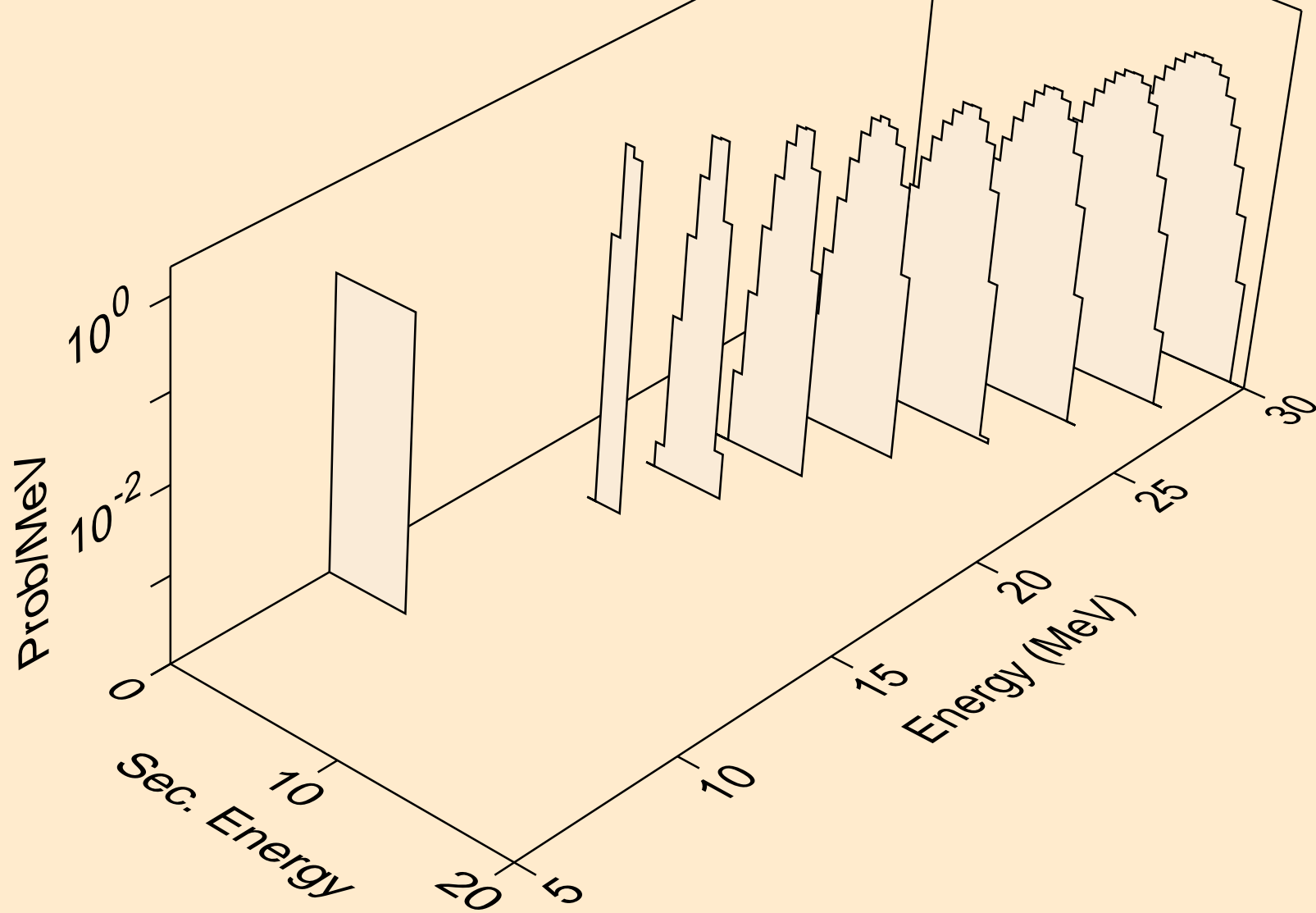


HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)a

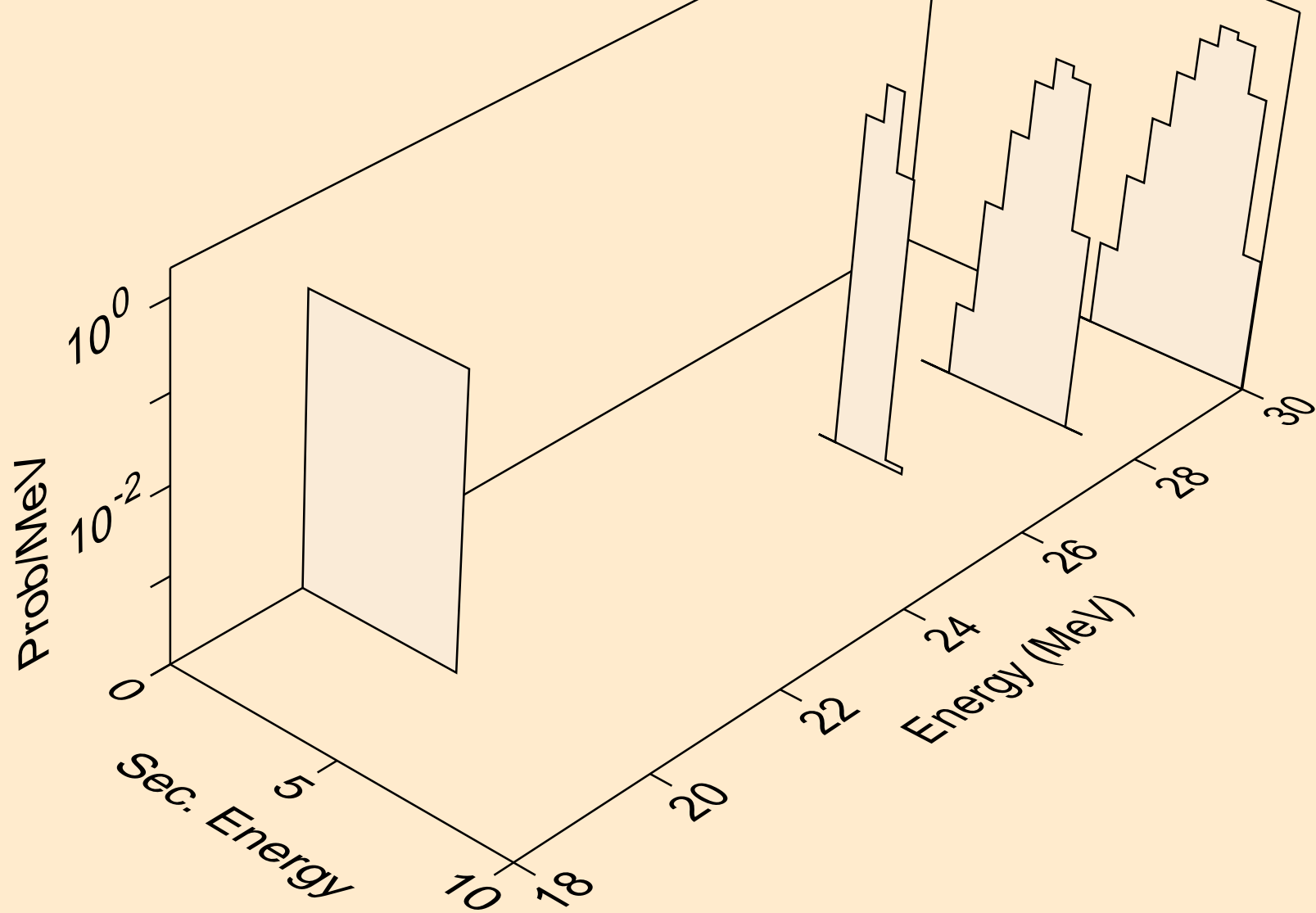




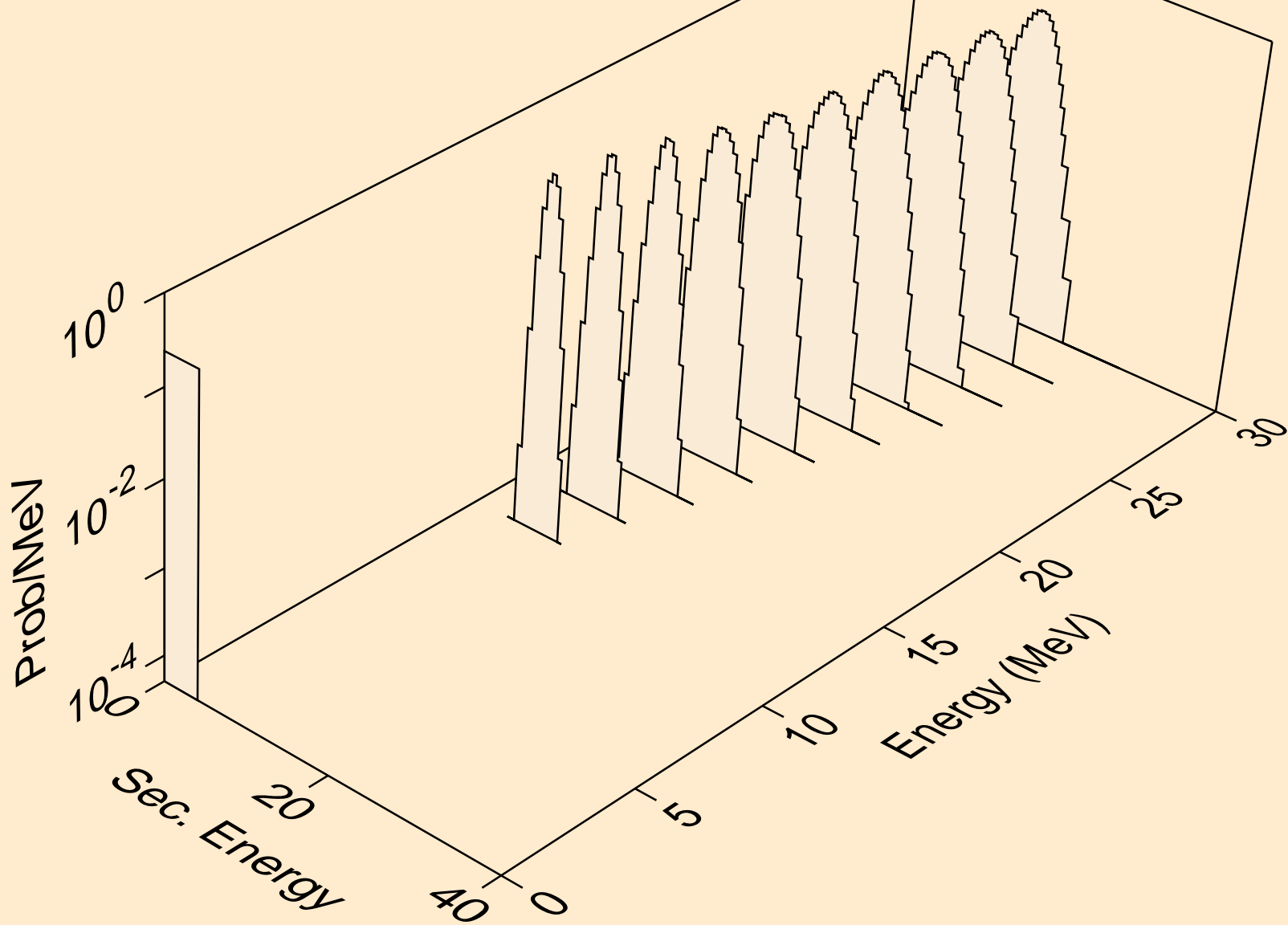
HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2n)a



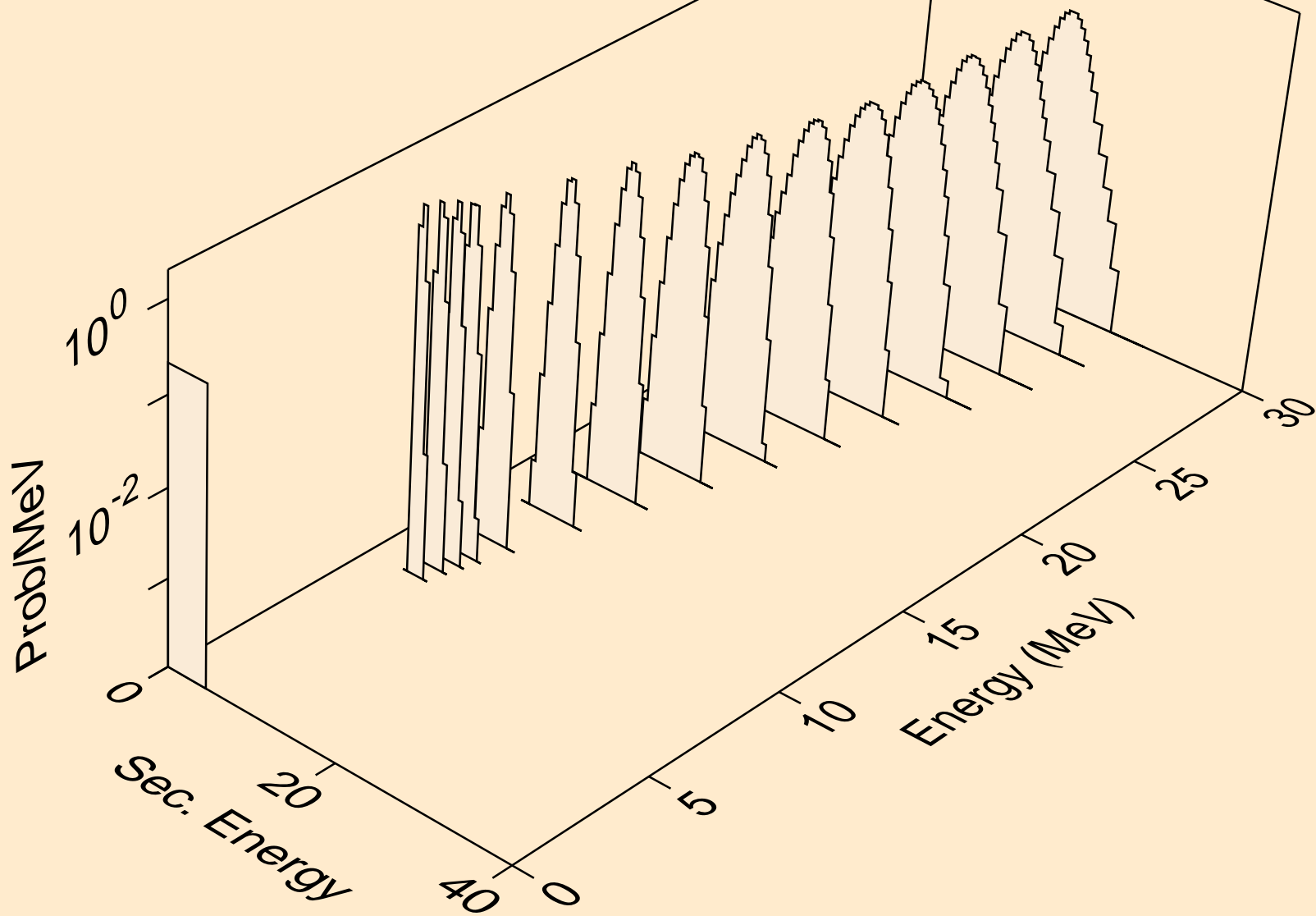
HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,3n)a



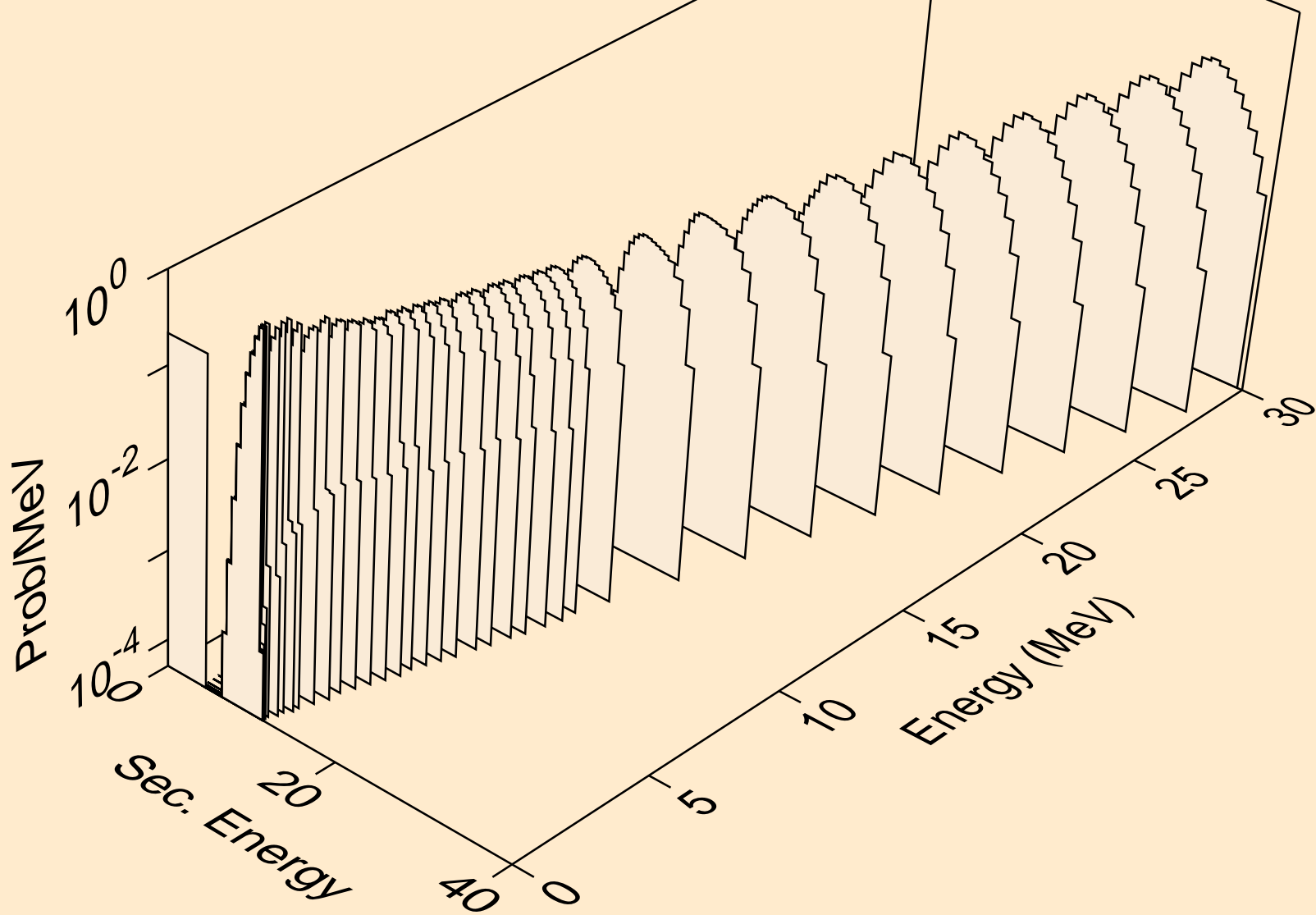
HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)2a



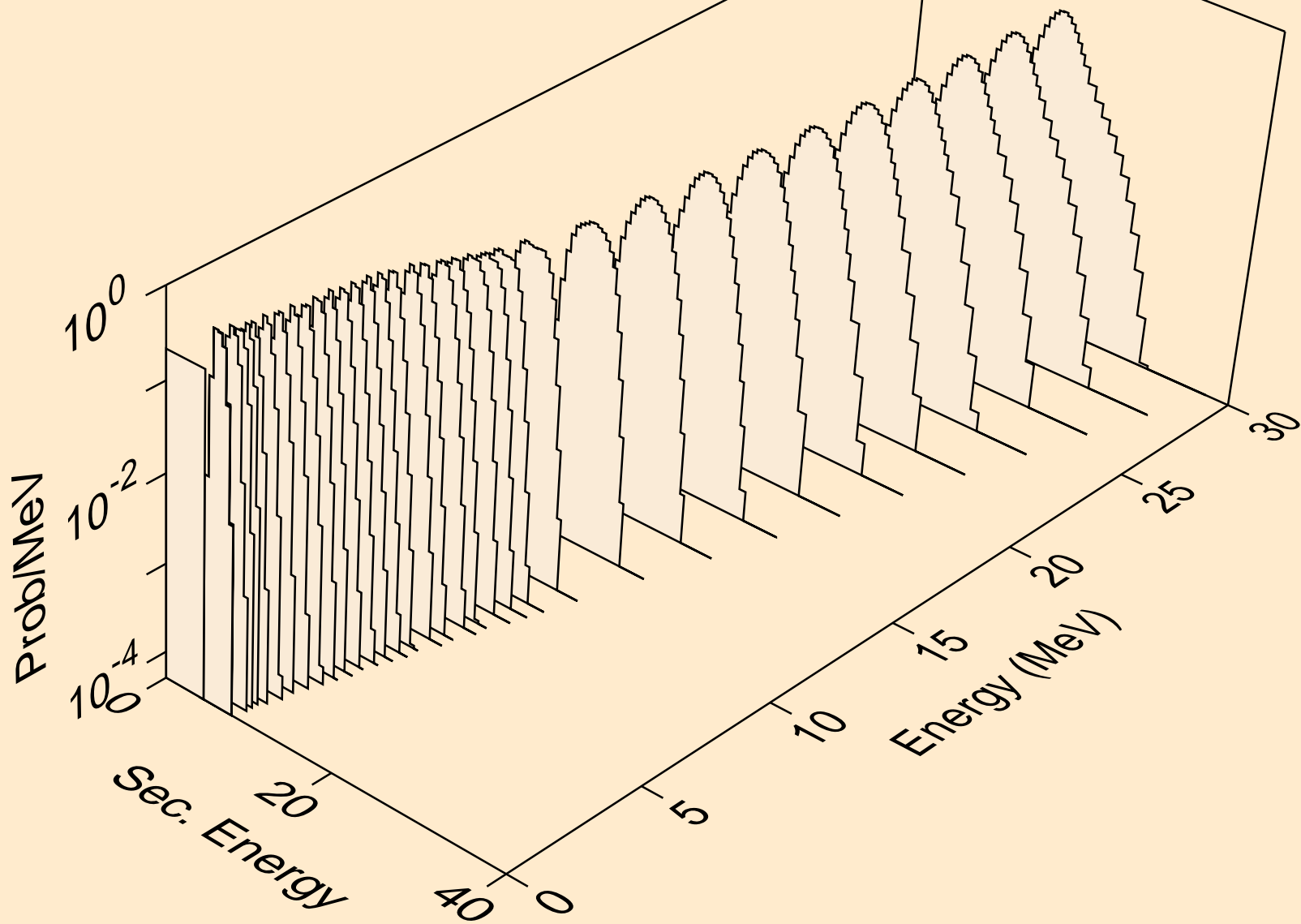
HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,npa)



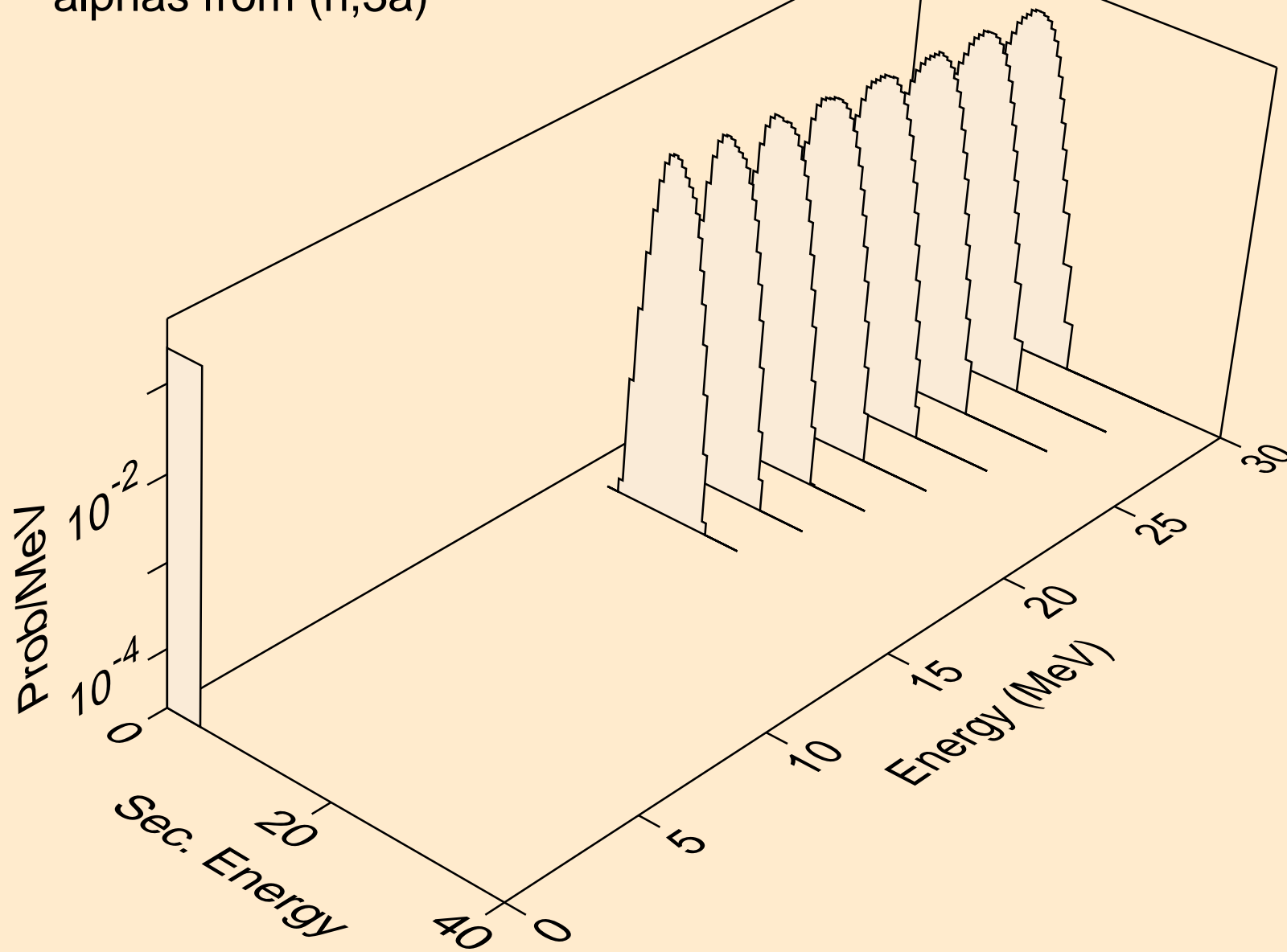
HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,a)



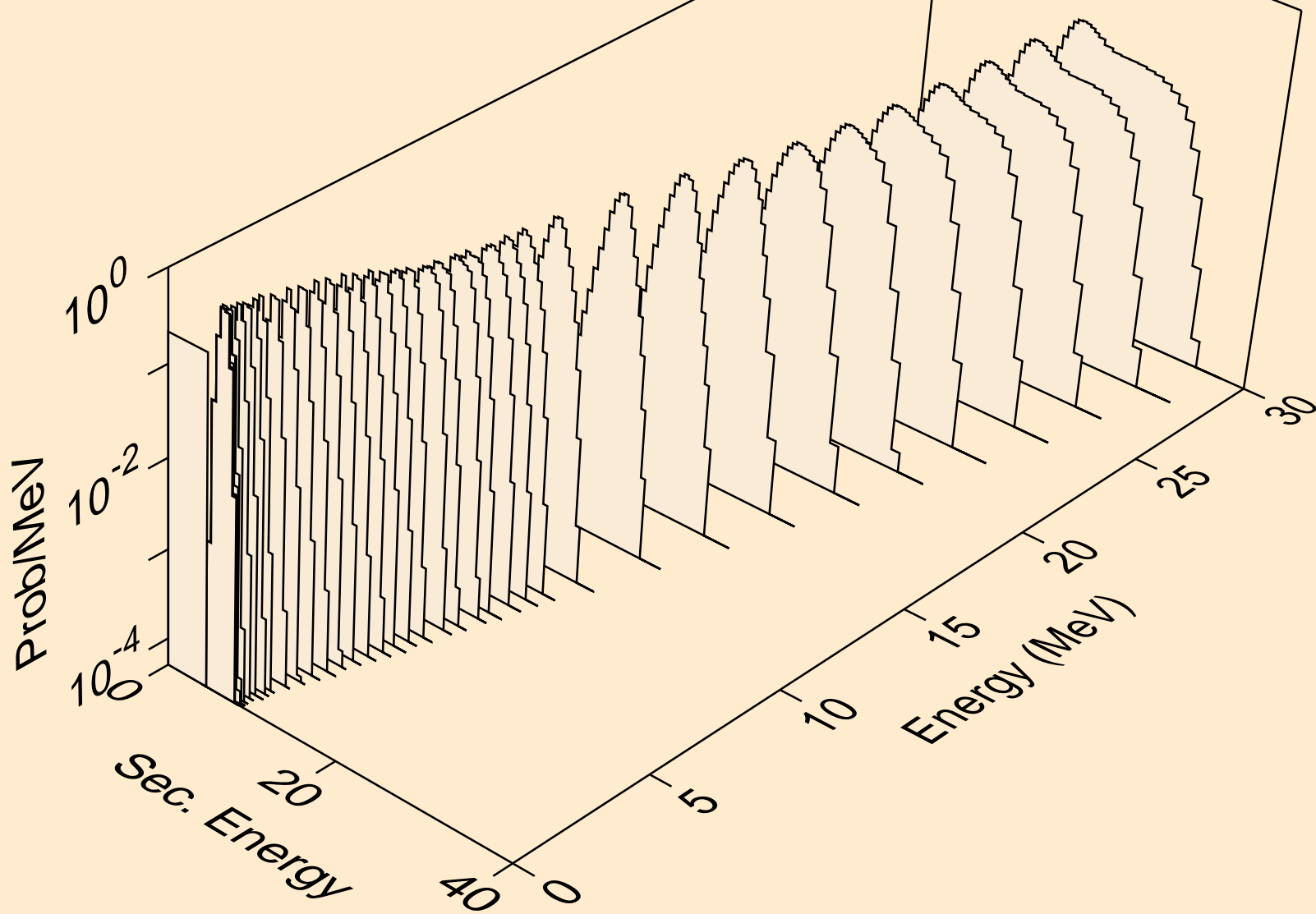
HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2a)



HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,3a)



HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,pa)





HO149 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,da)

