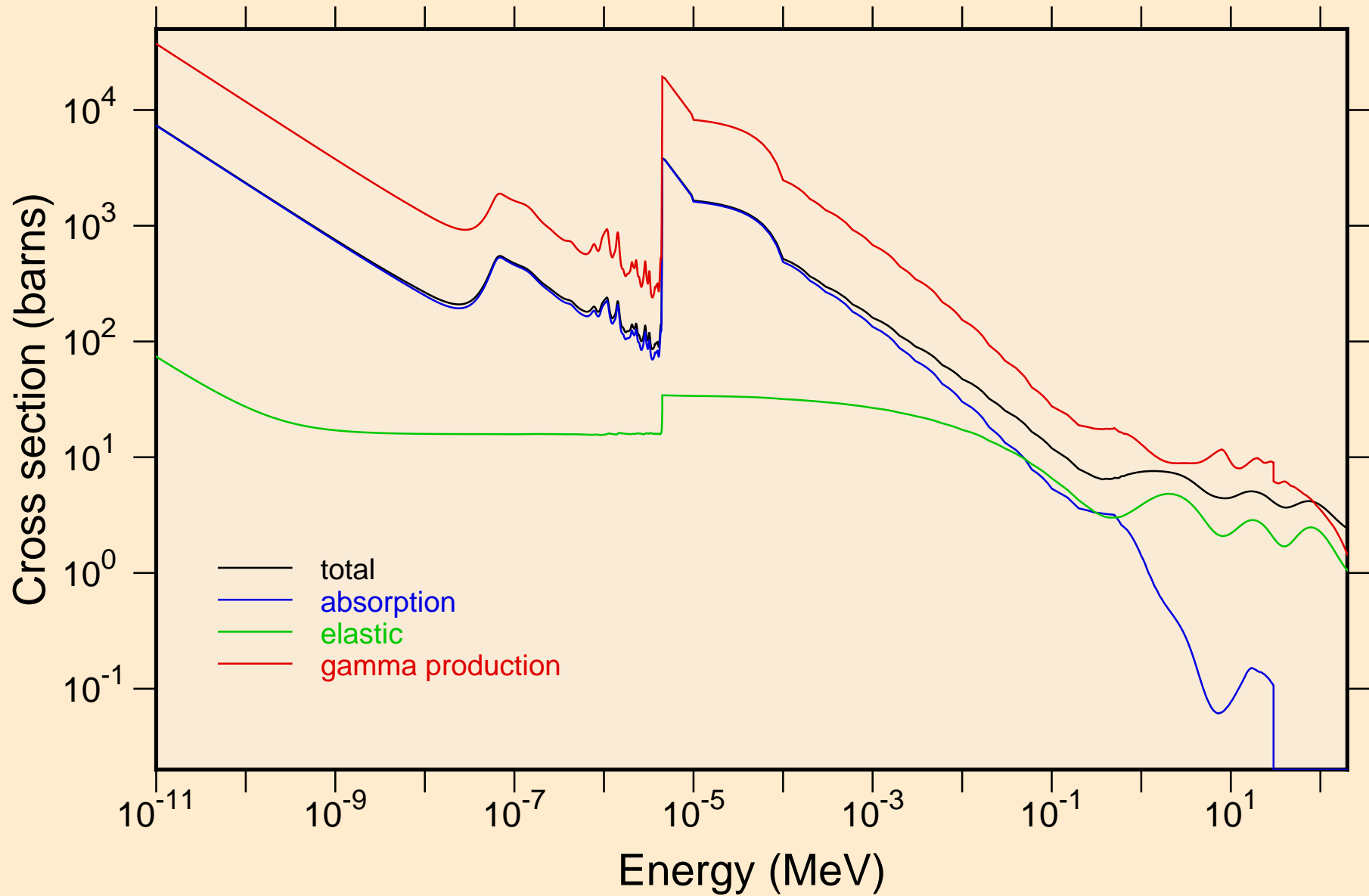
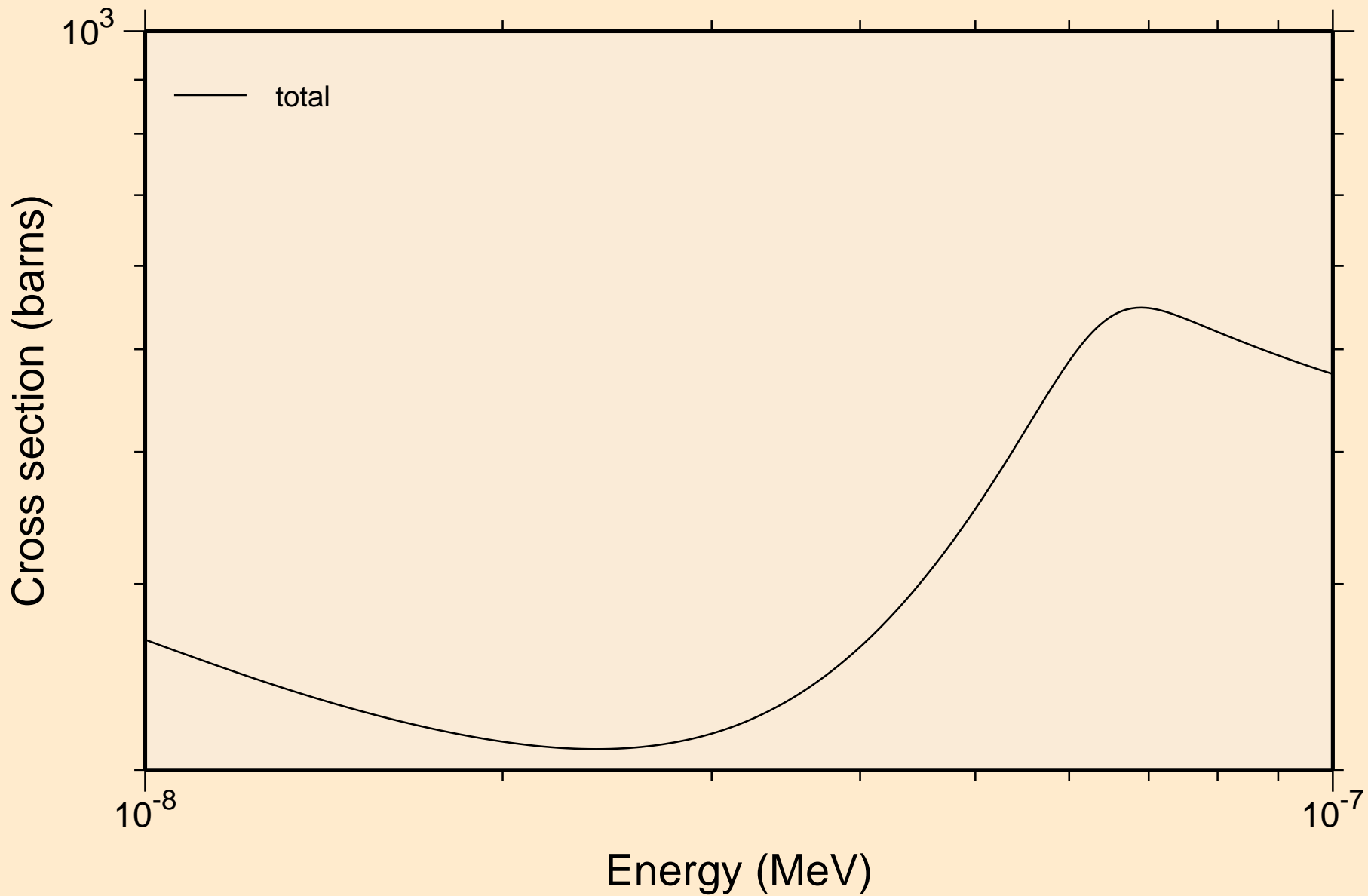


# HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

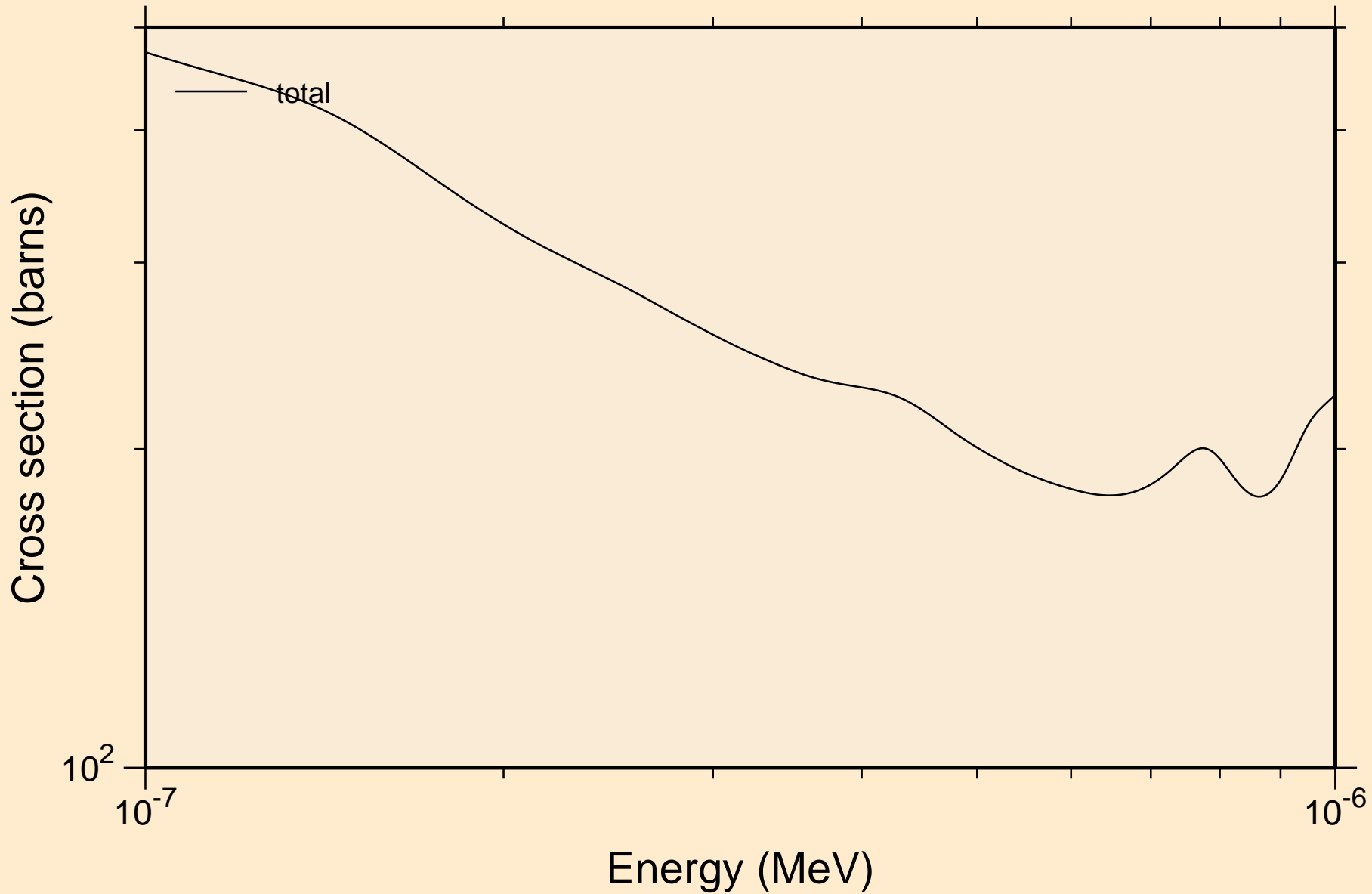
## Principal cross sections



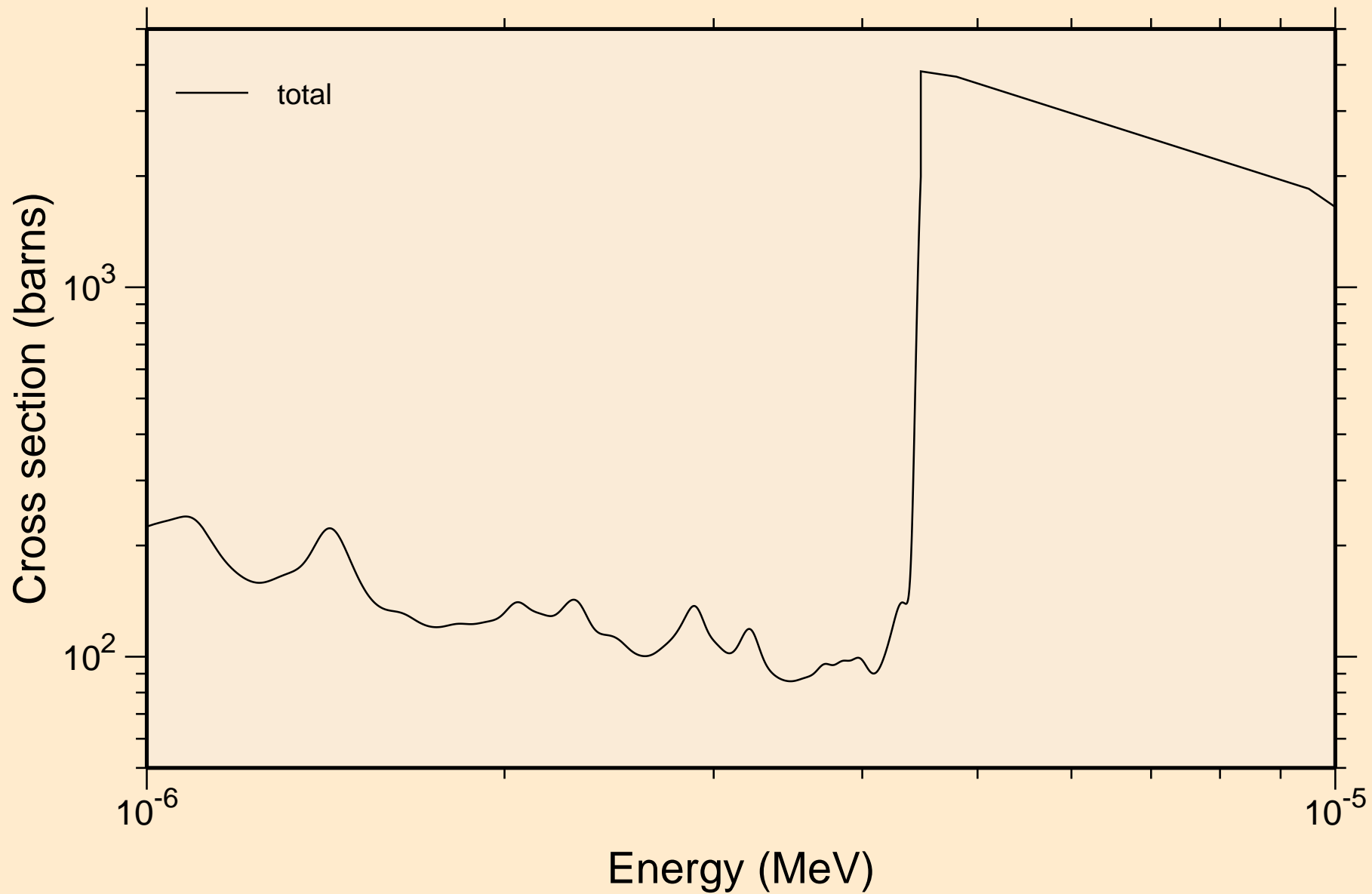
HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



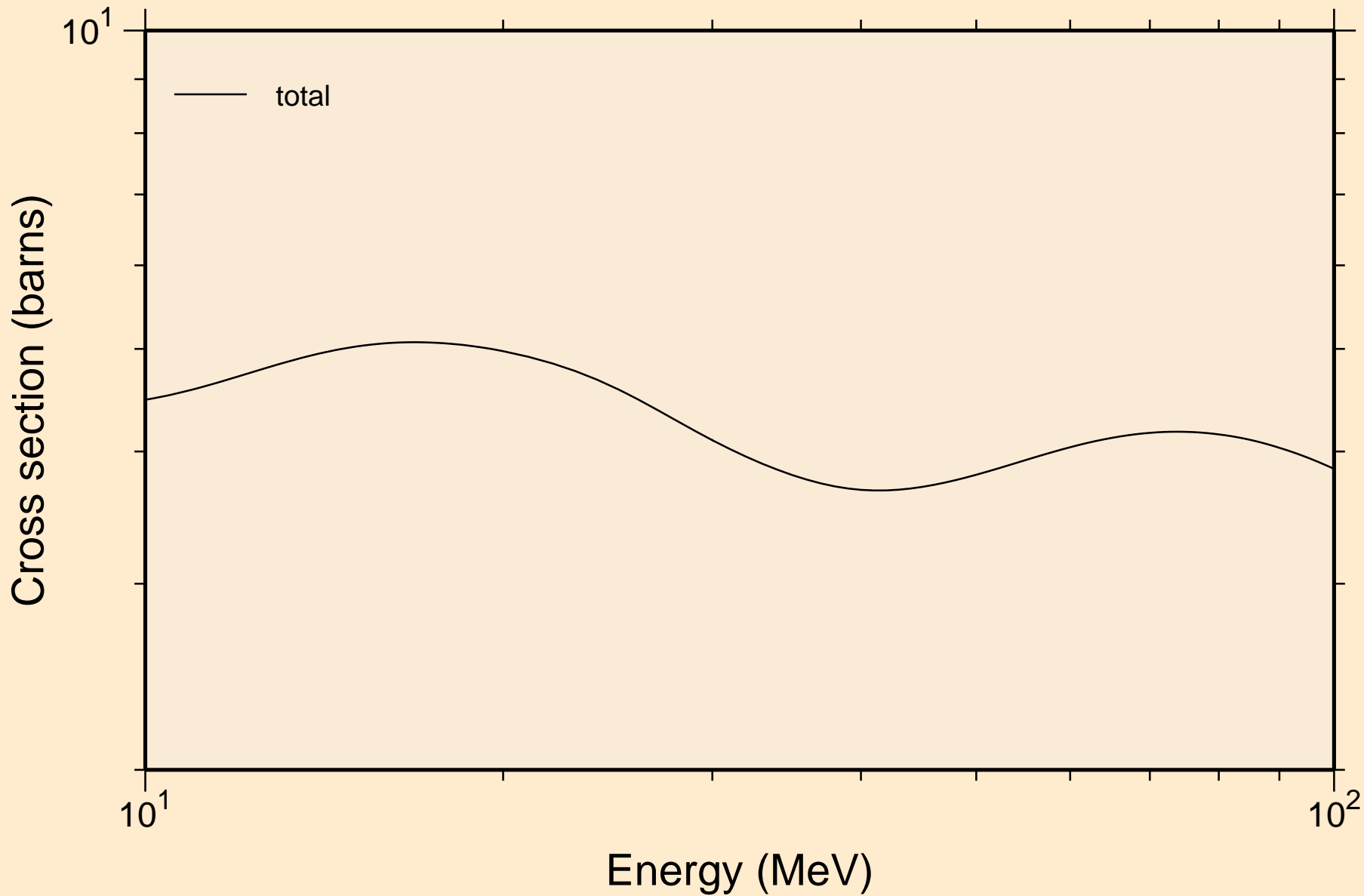
HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



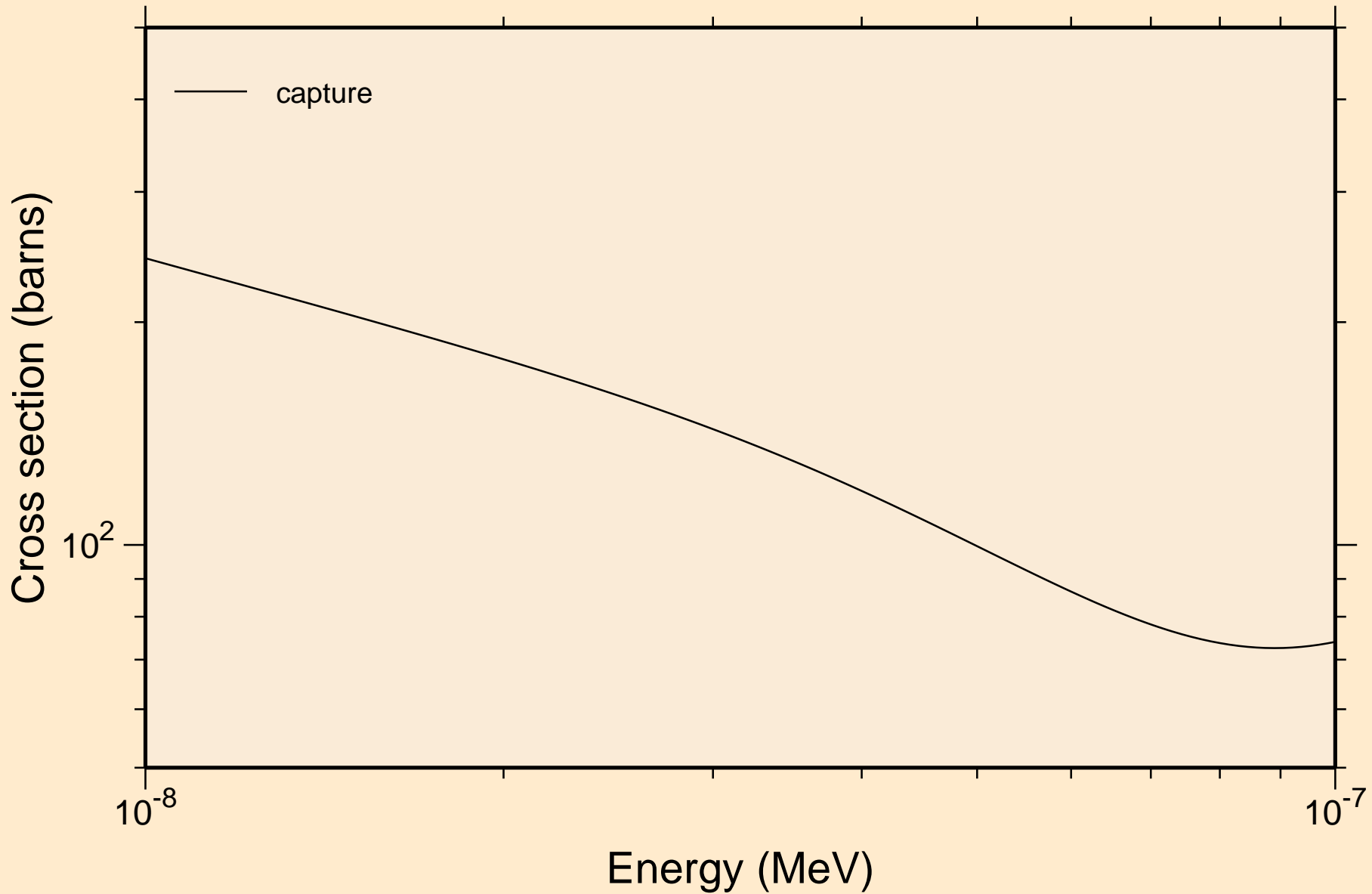
HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



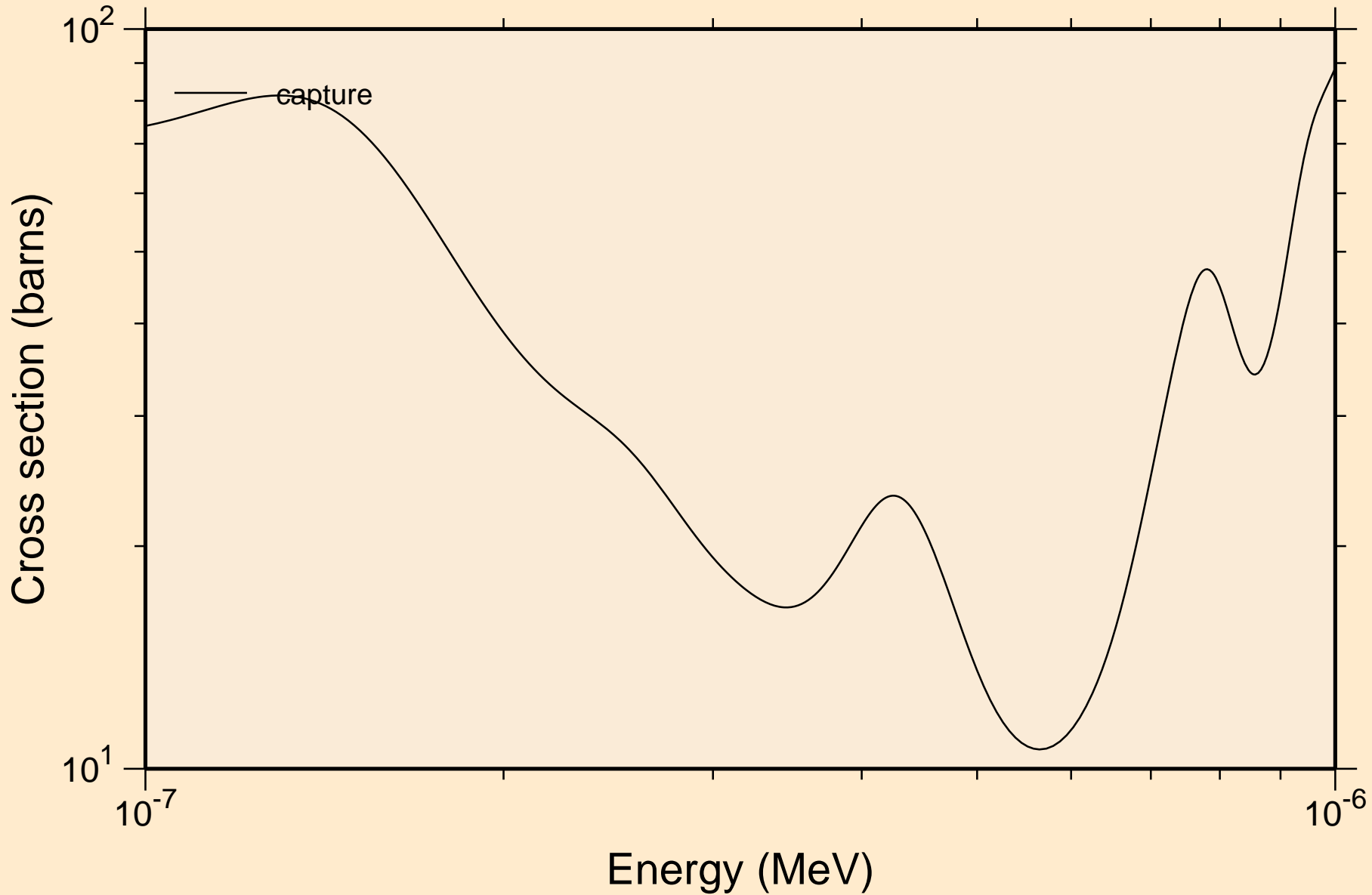
HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



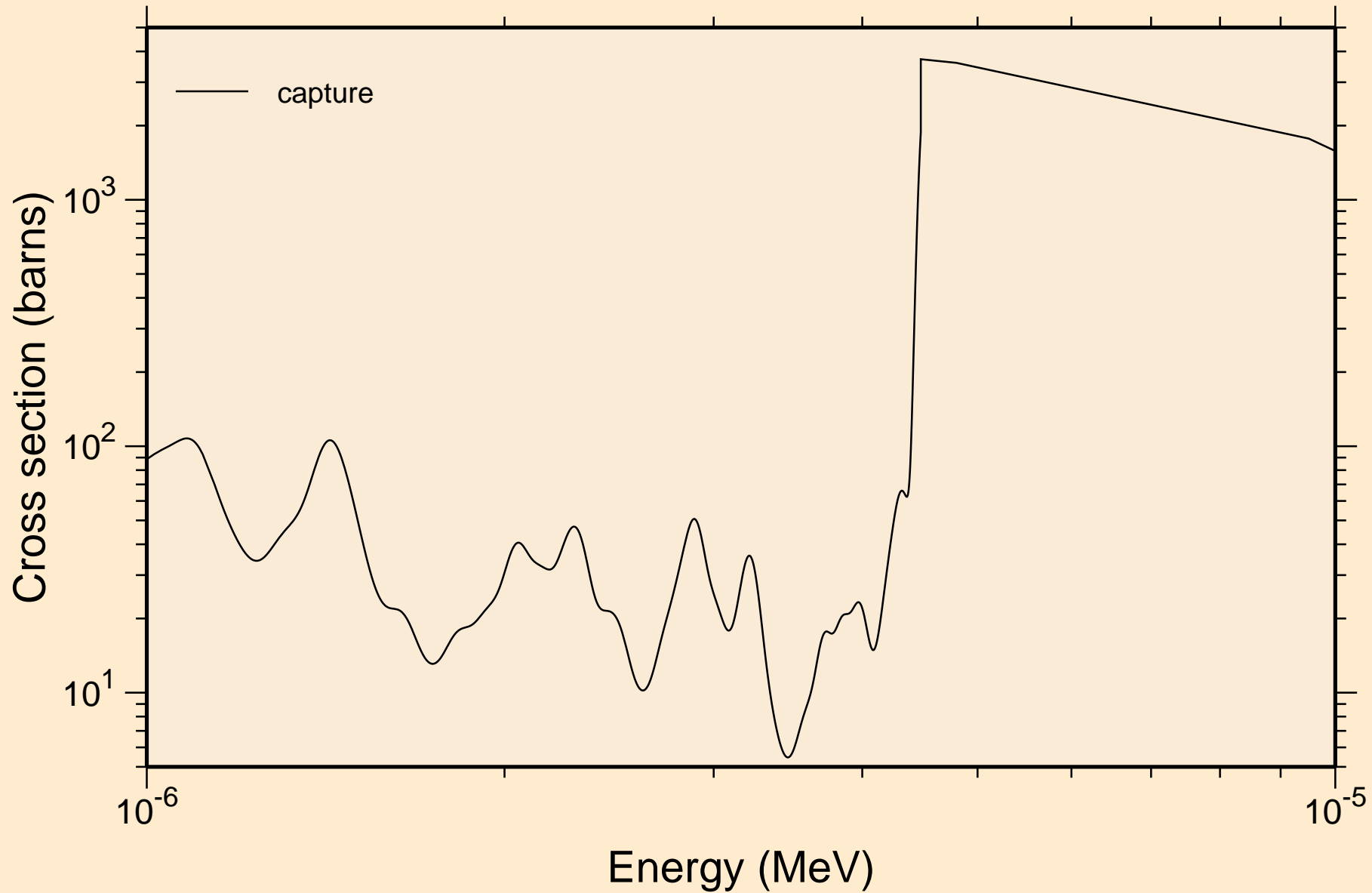
HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections

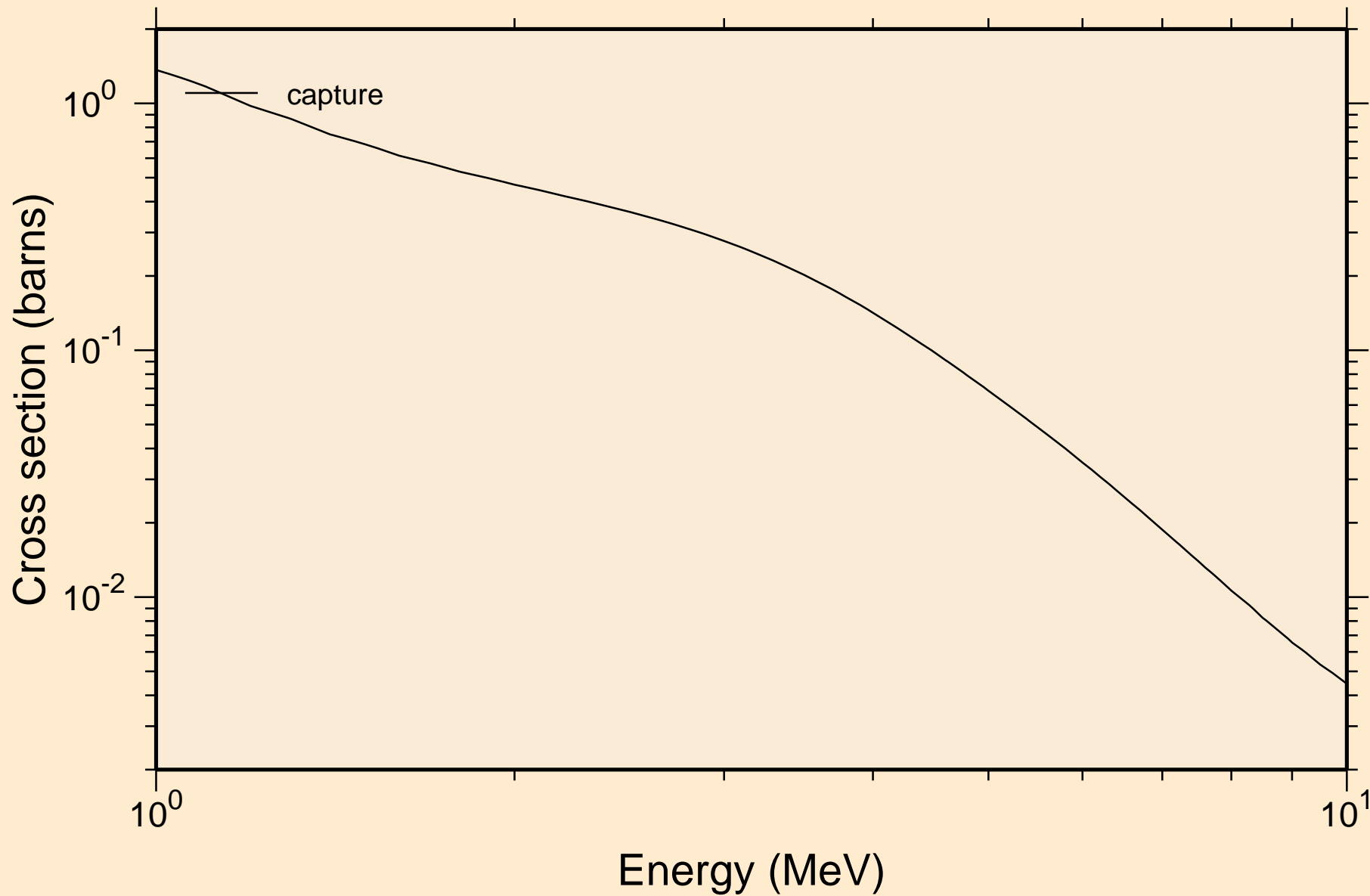


HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections

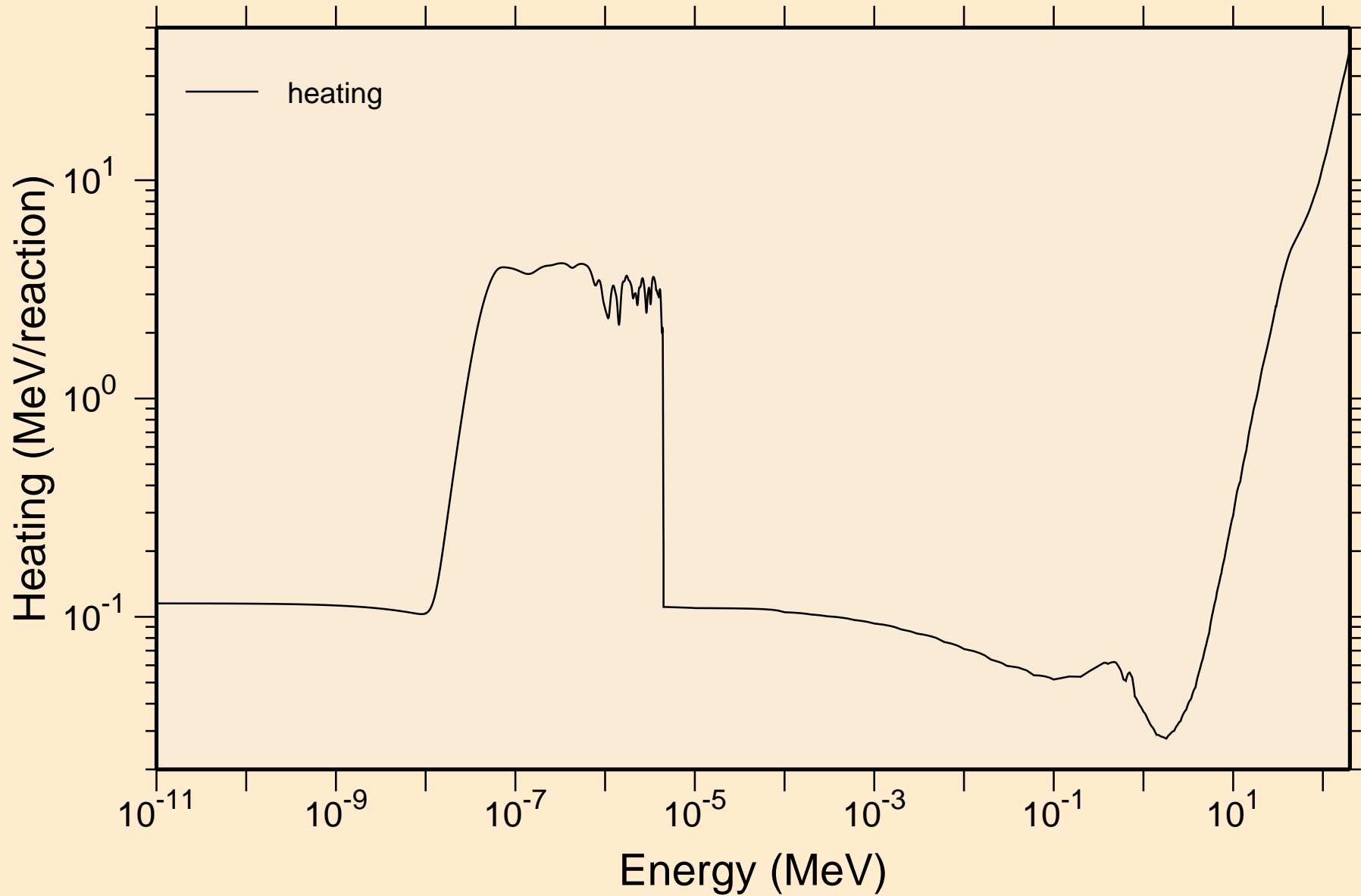




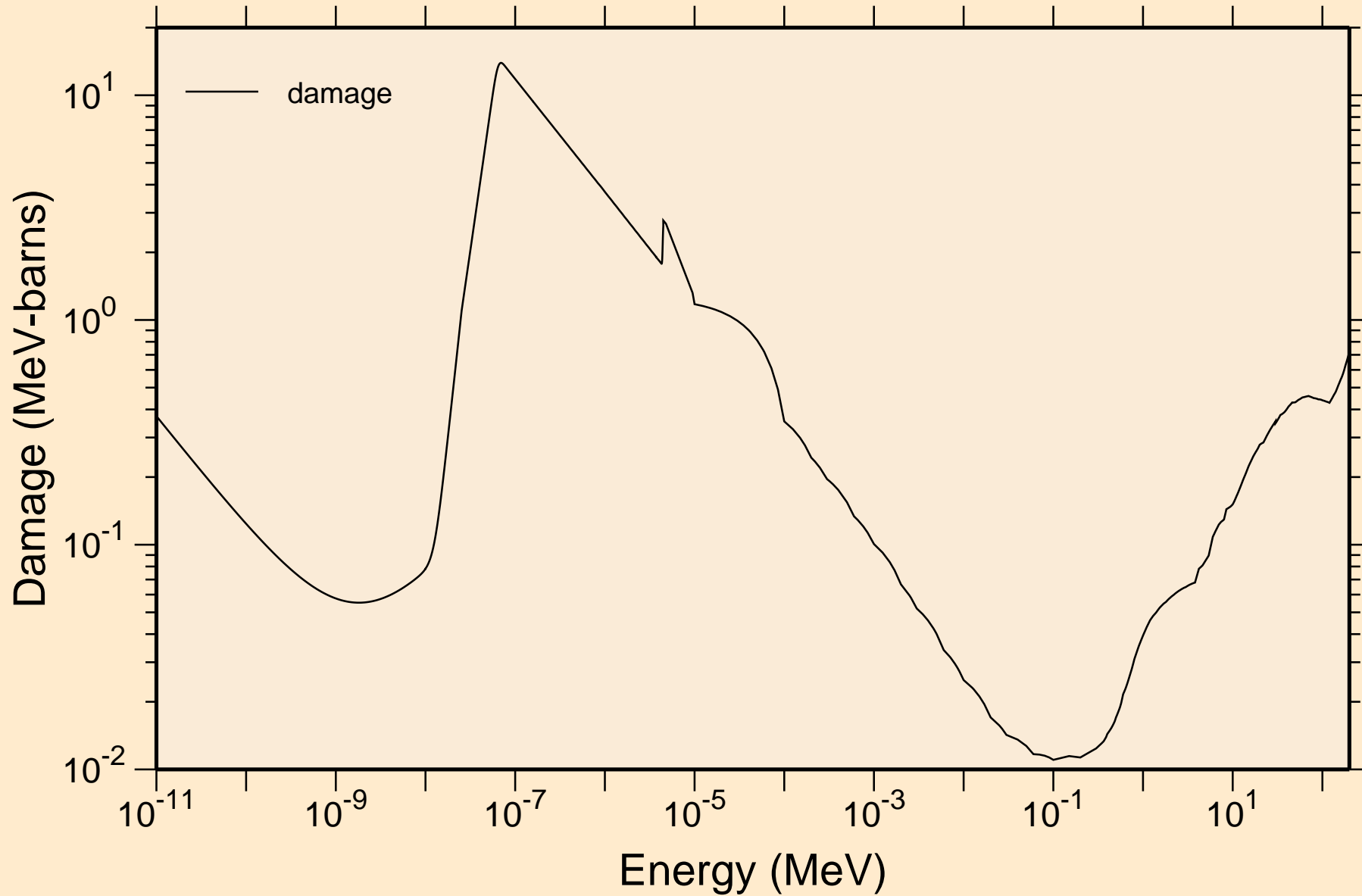
HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Heating

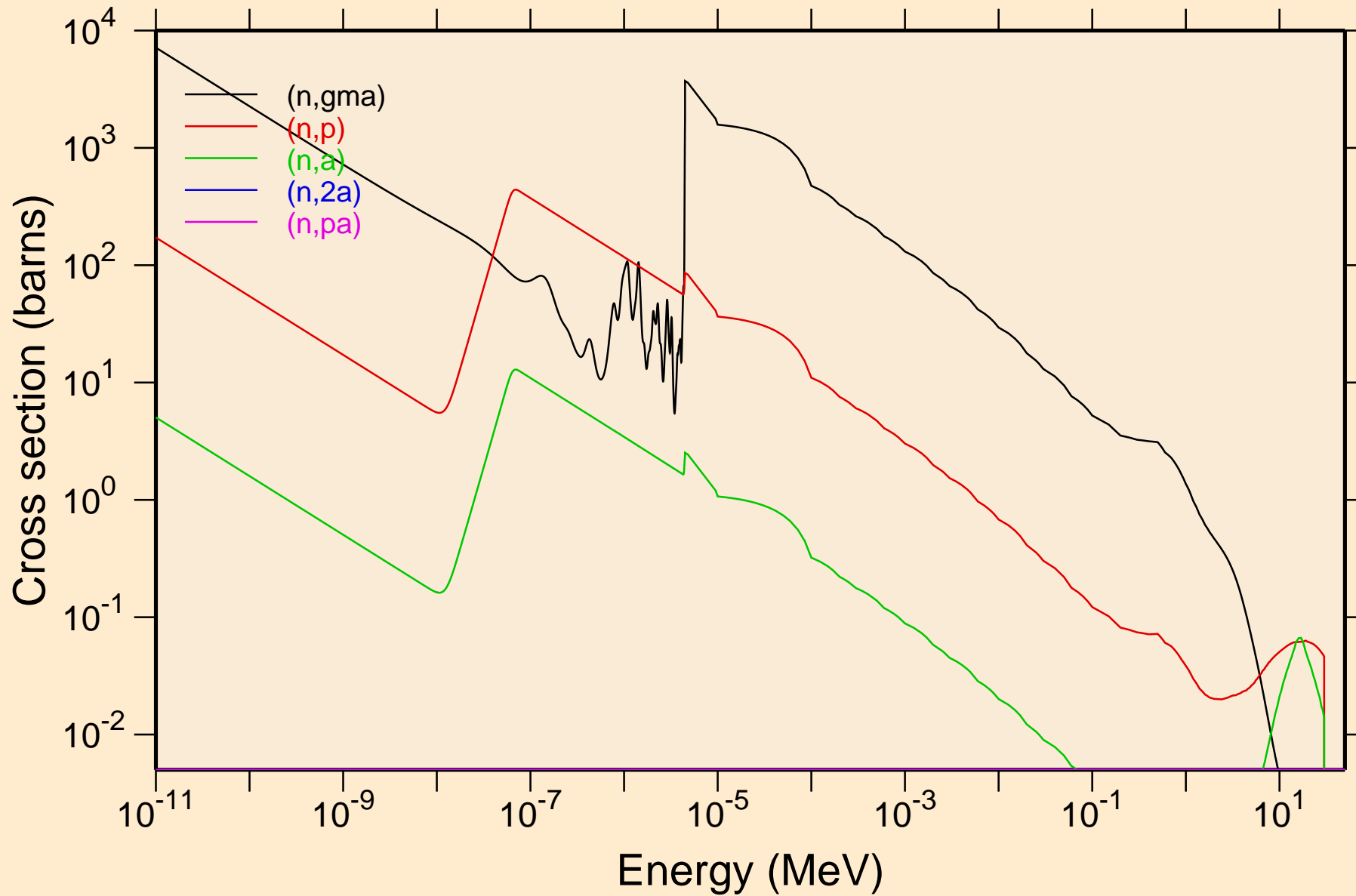


HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Damage

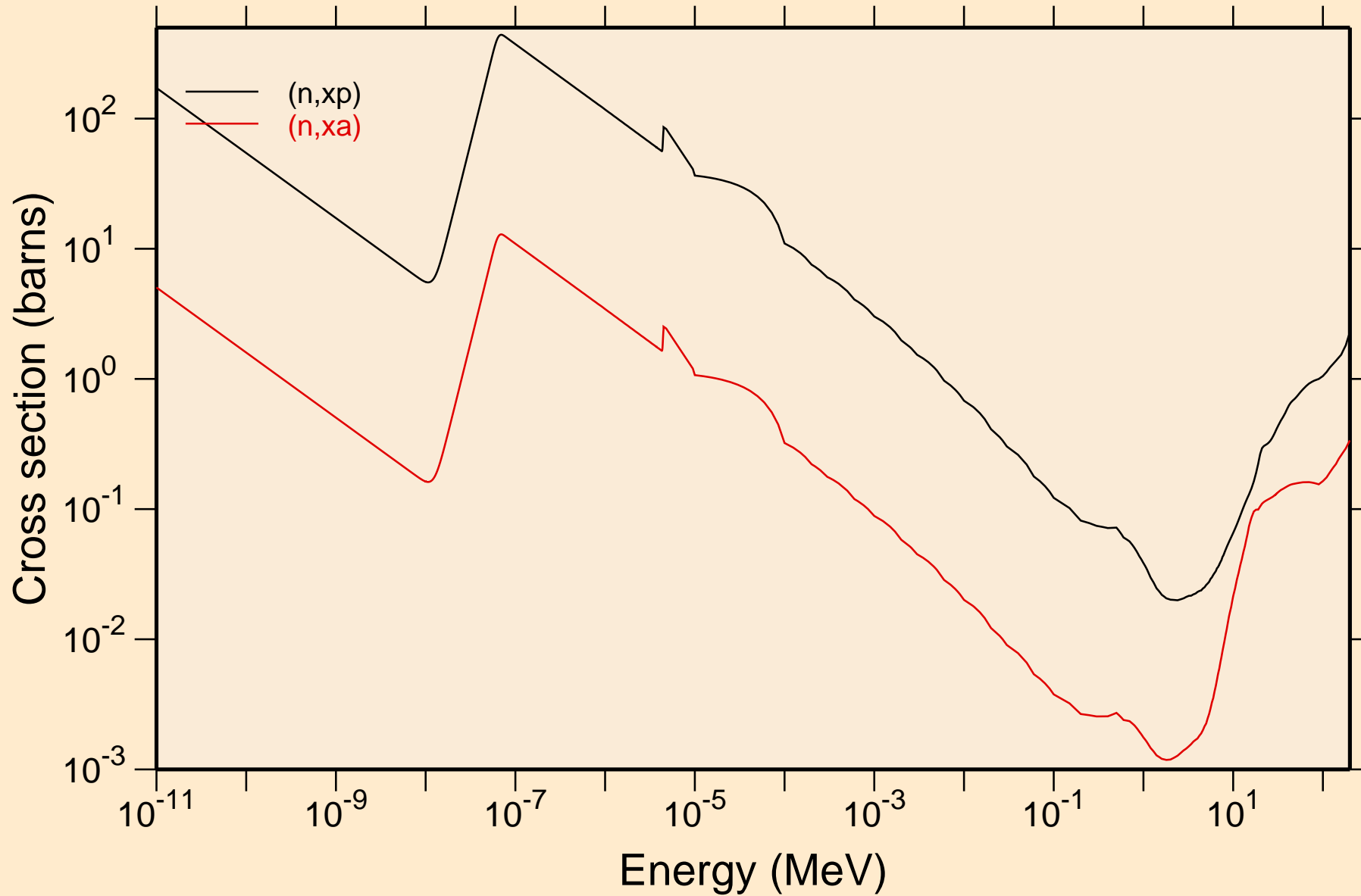


# HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Non-threshold reactions

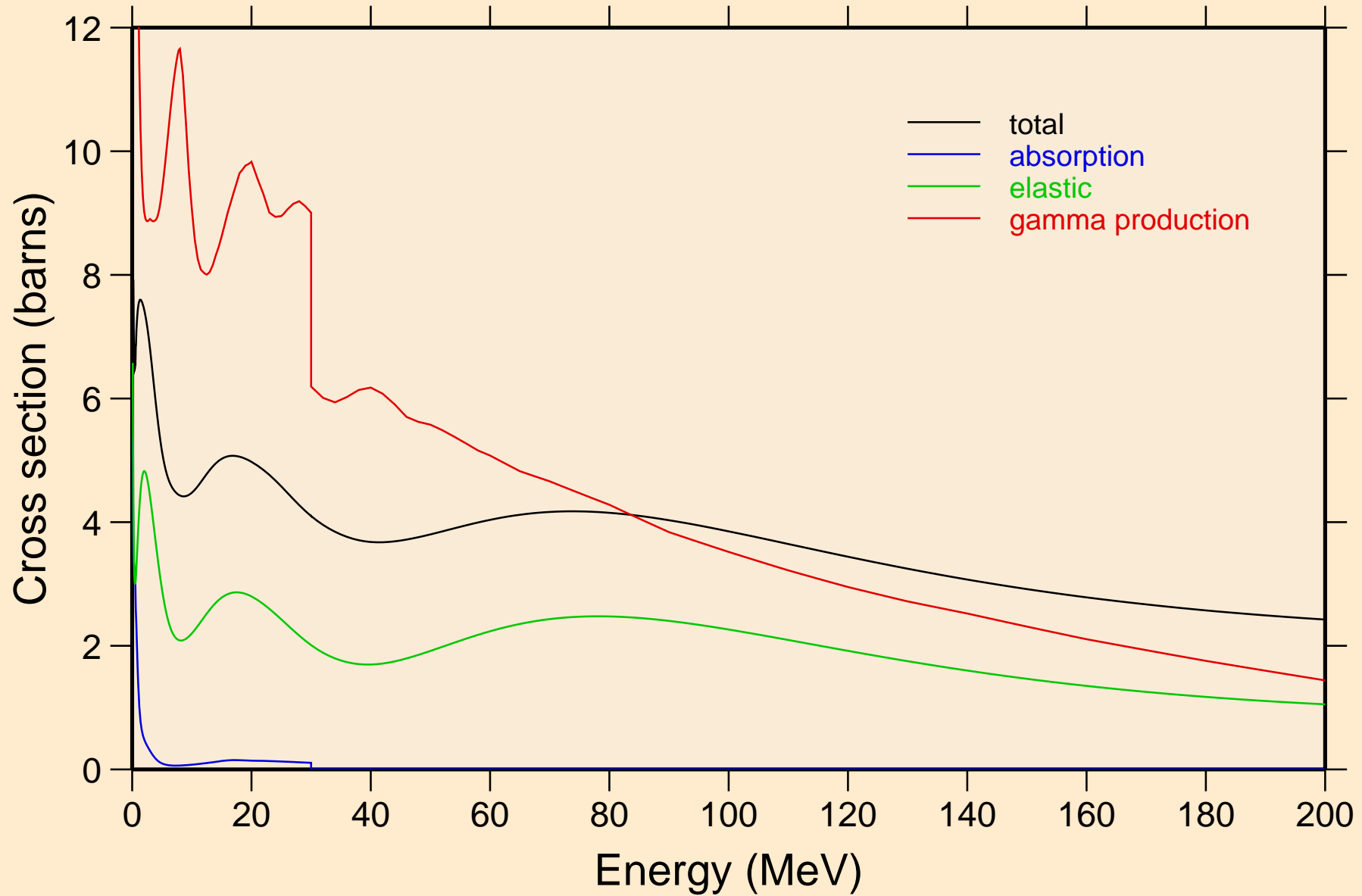


HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions

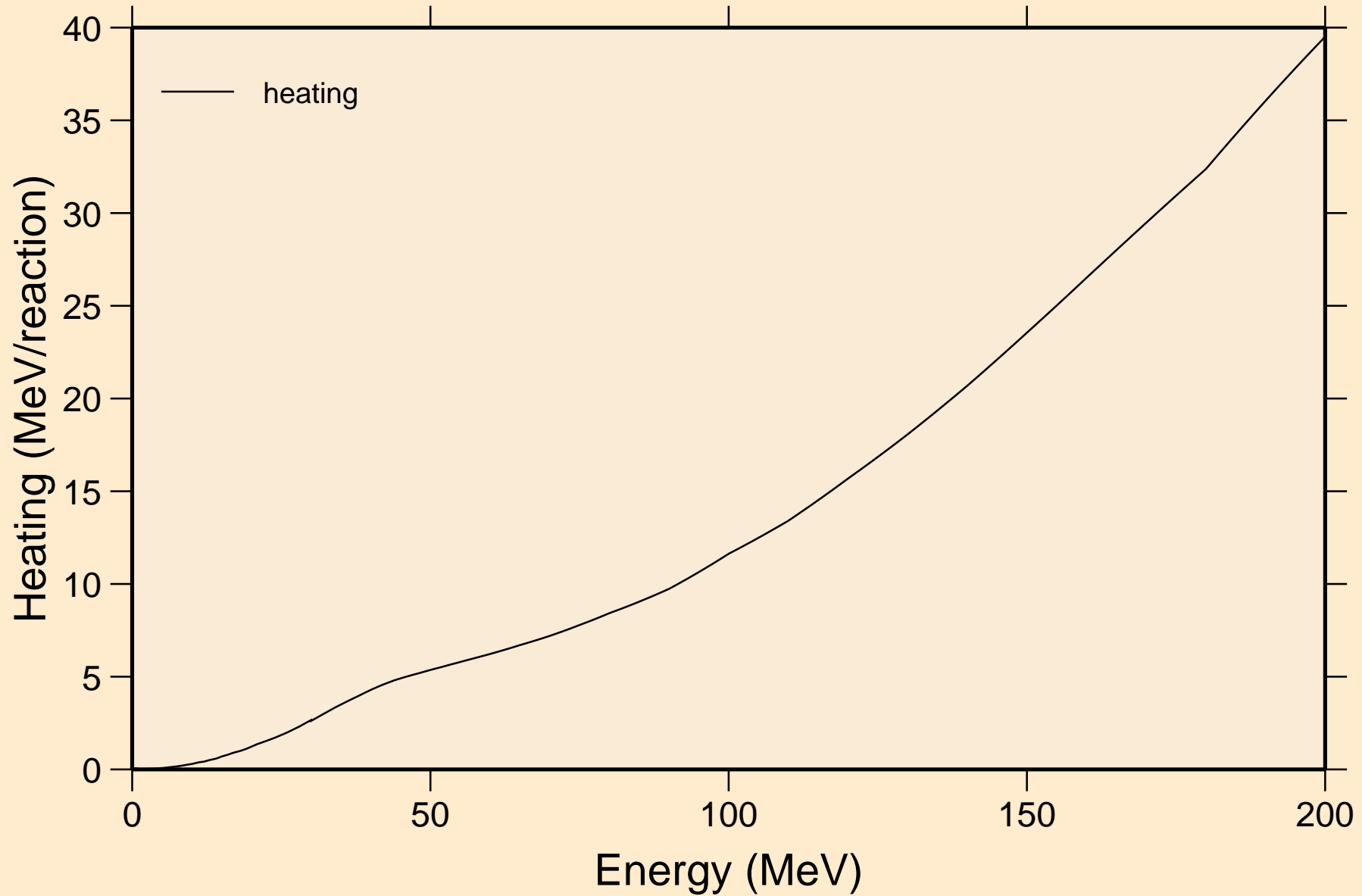


# HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Principal cross sections

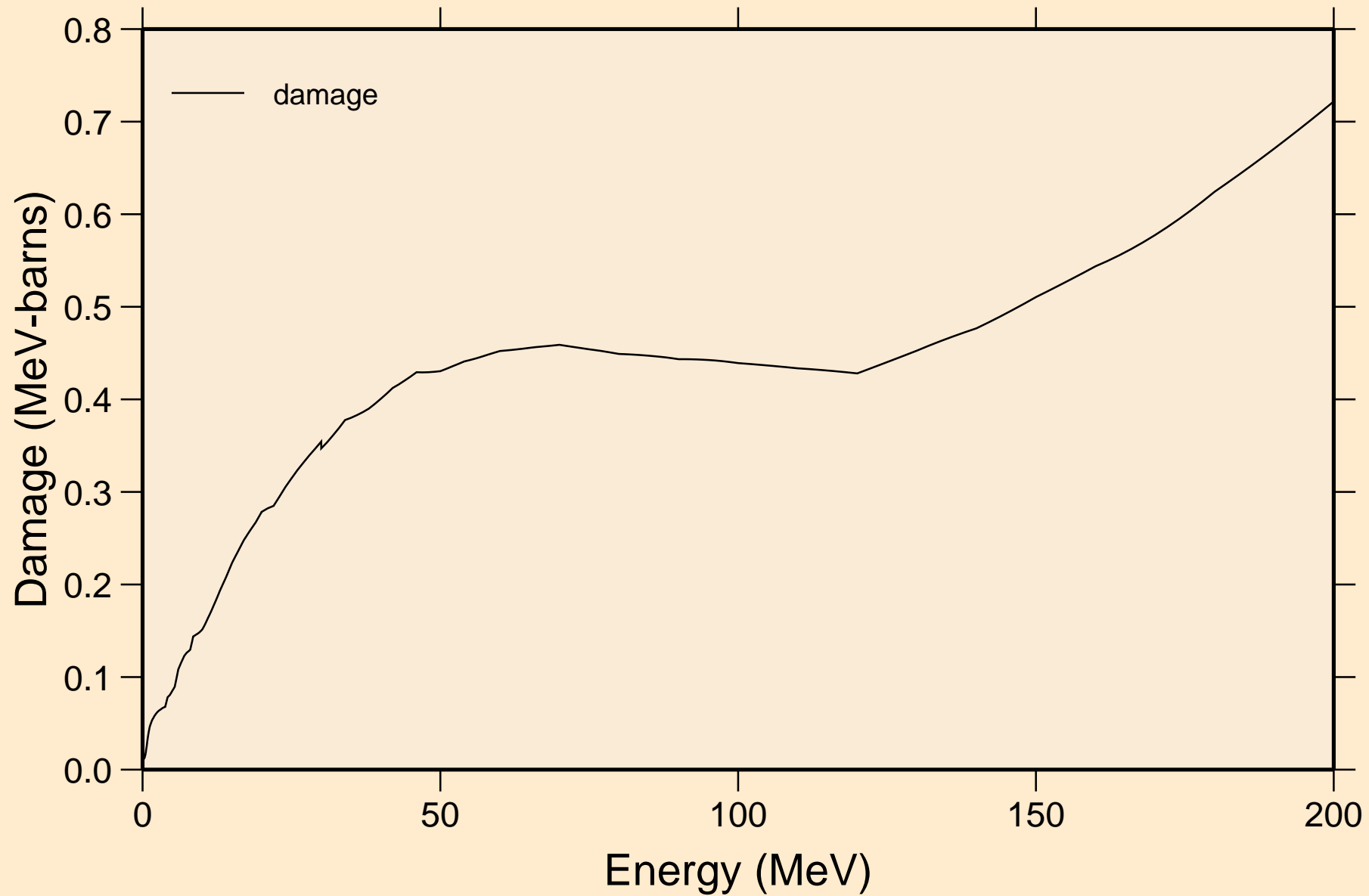


HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Heating



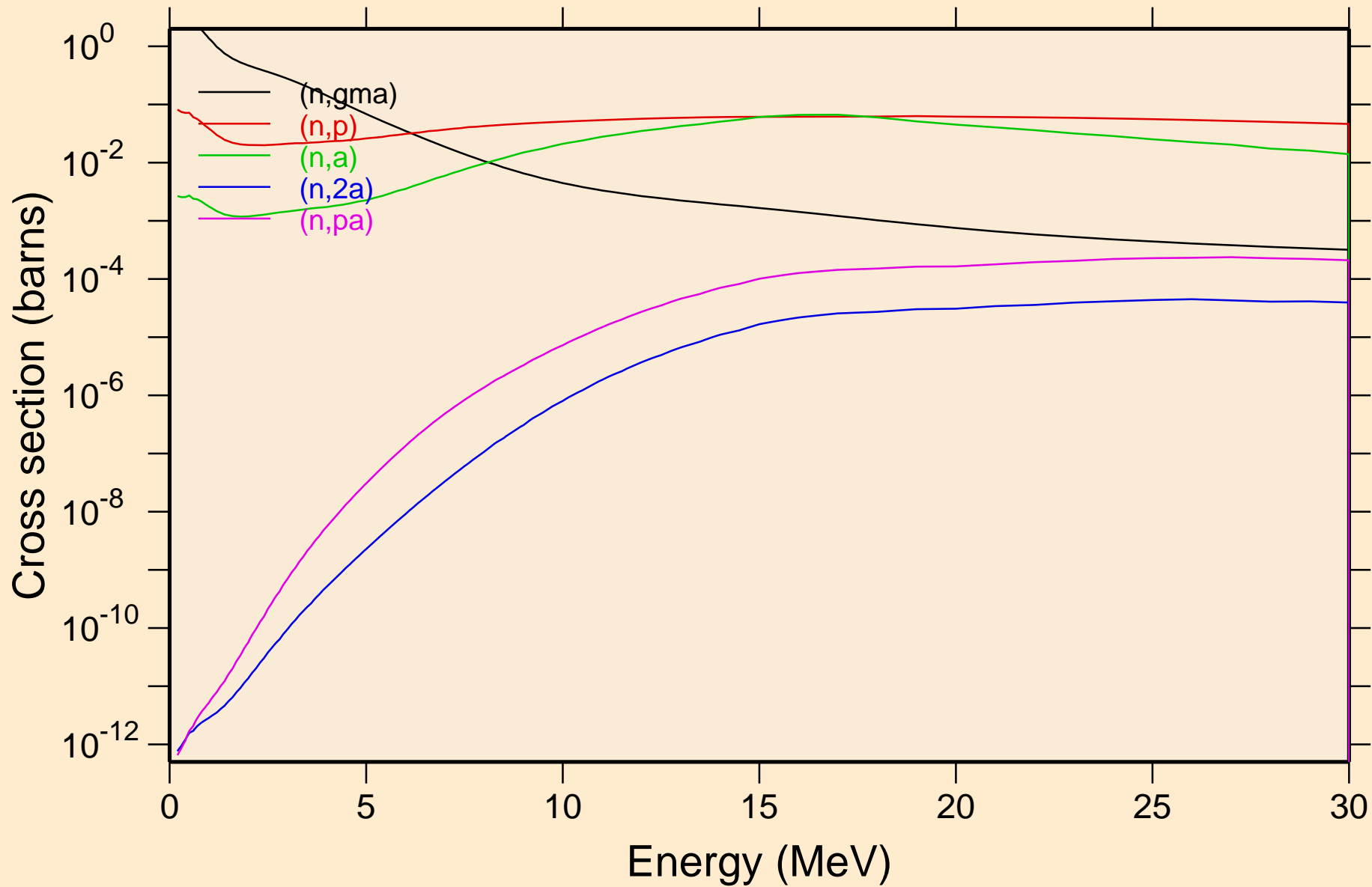
# HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Damage

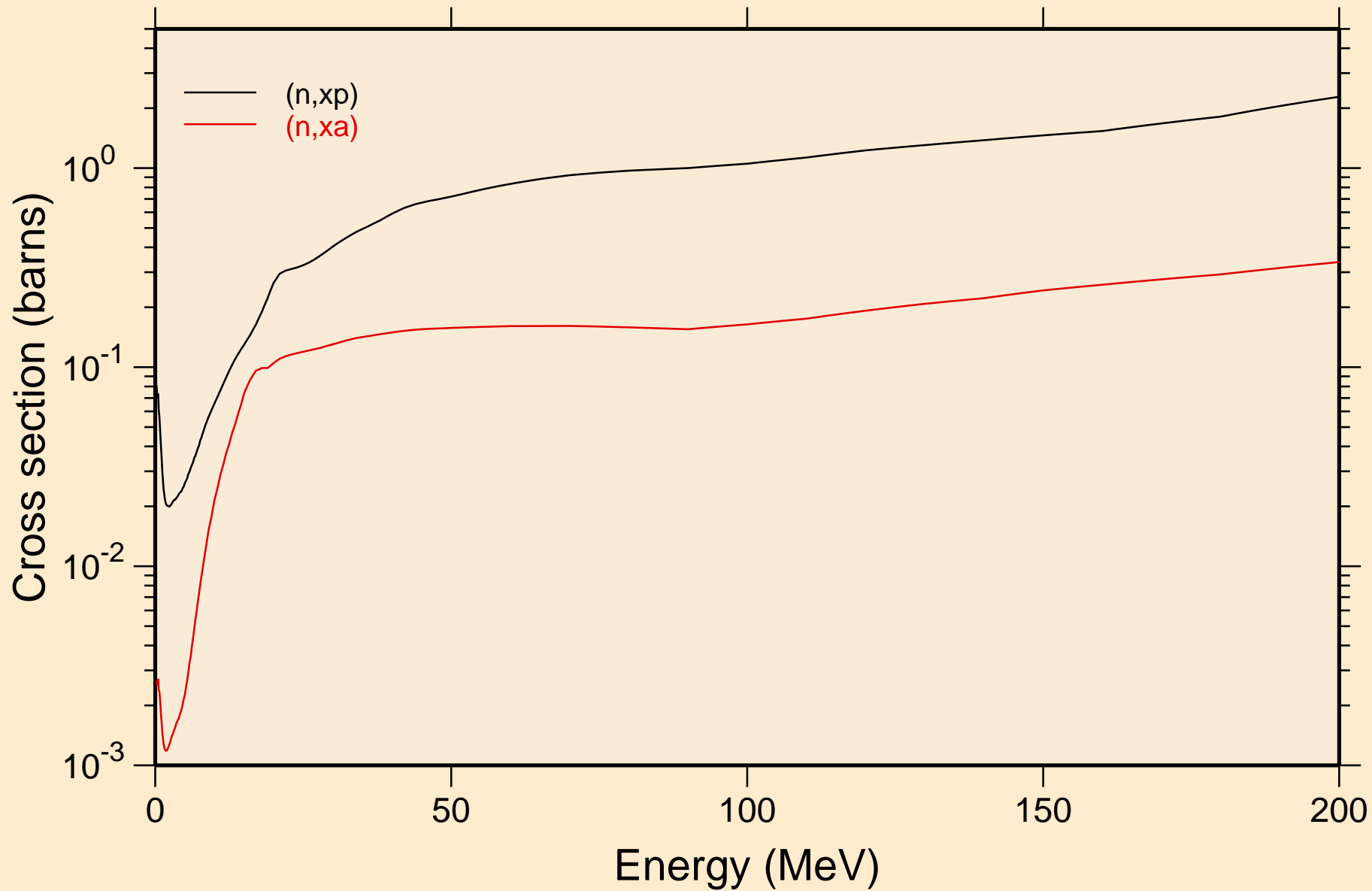




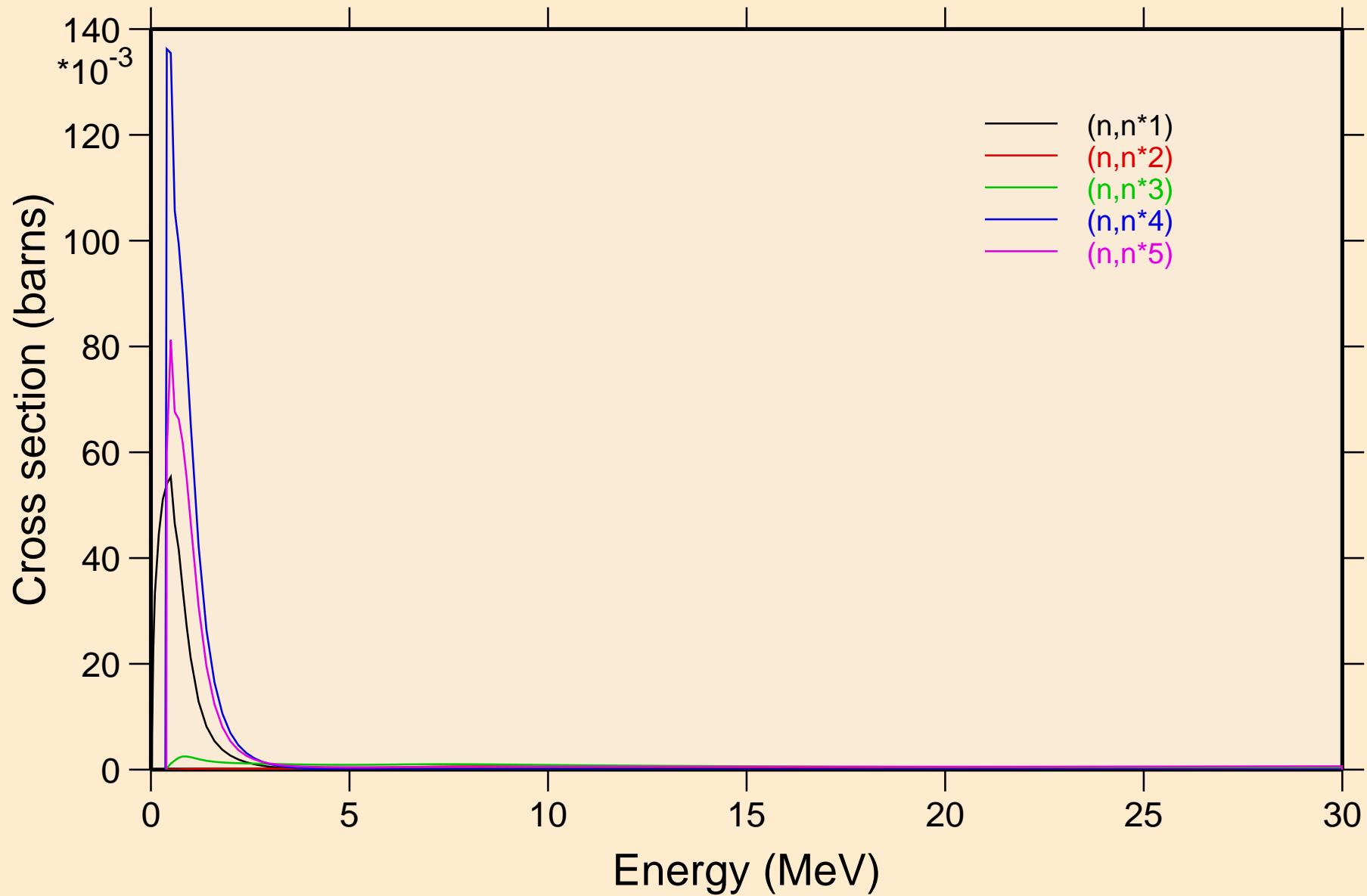
HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions



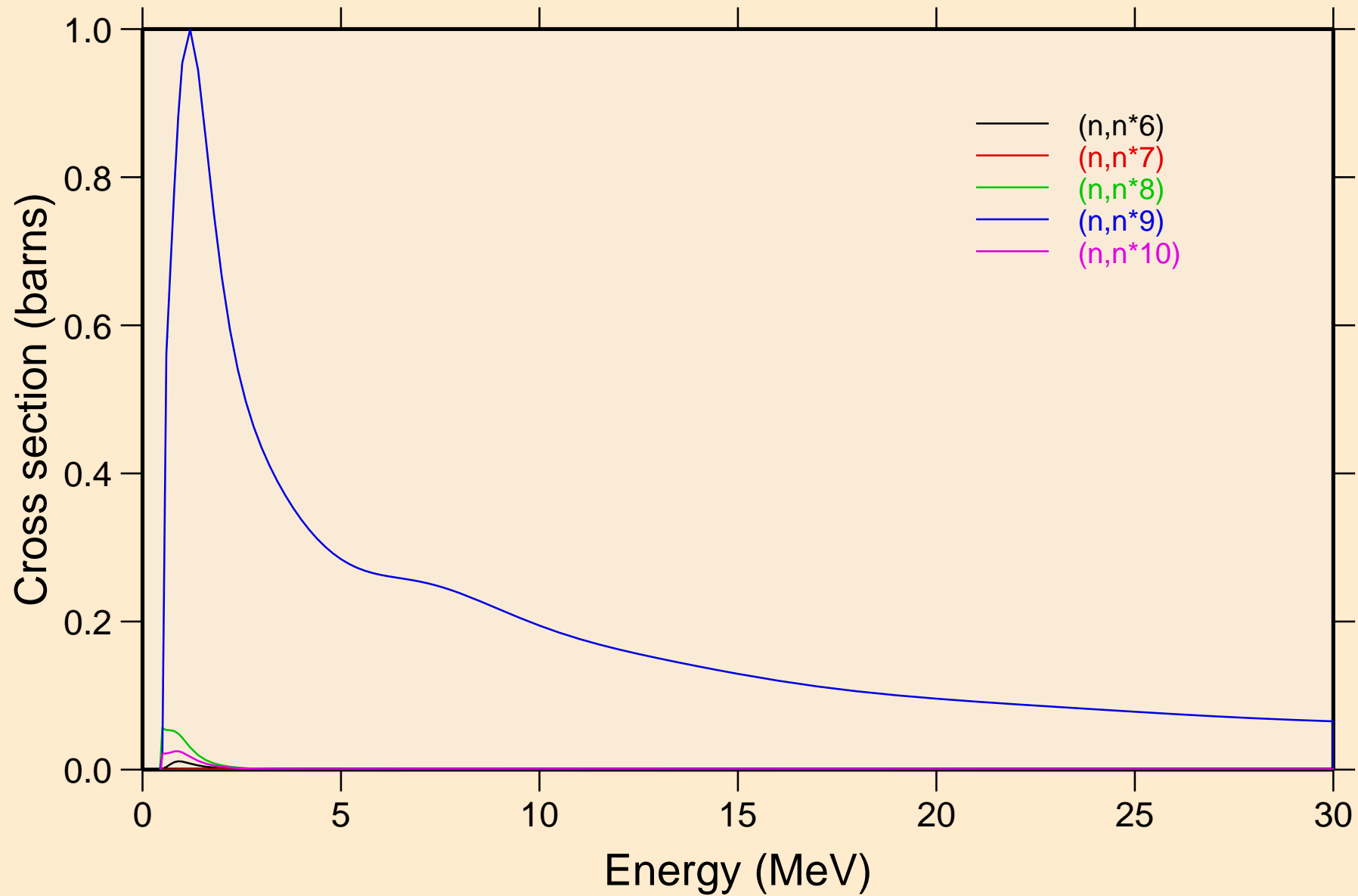
HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions



HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels

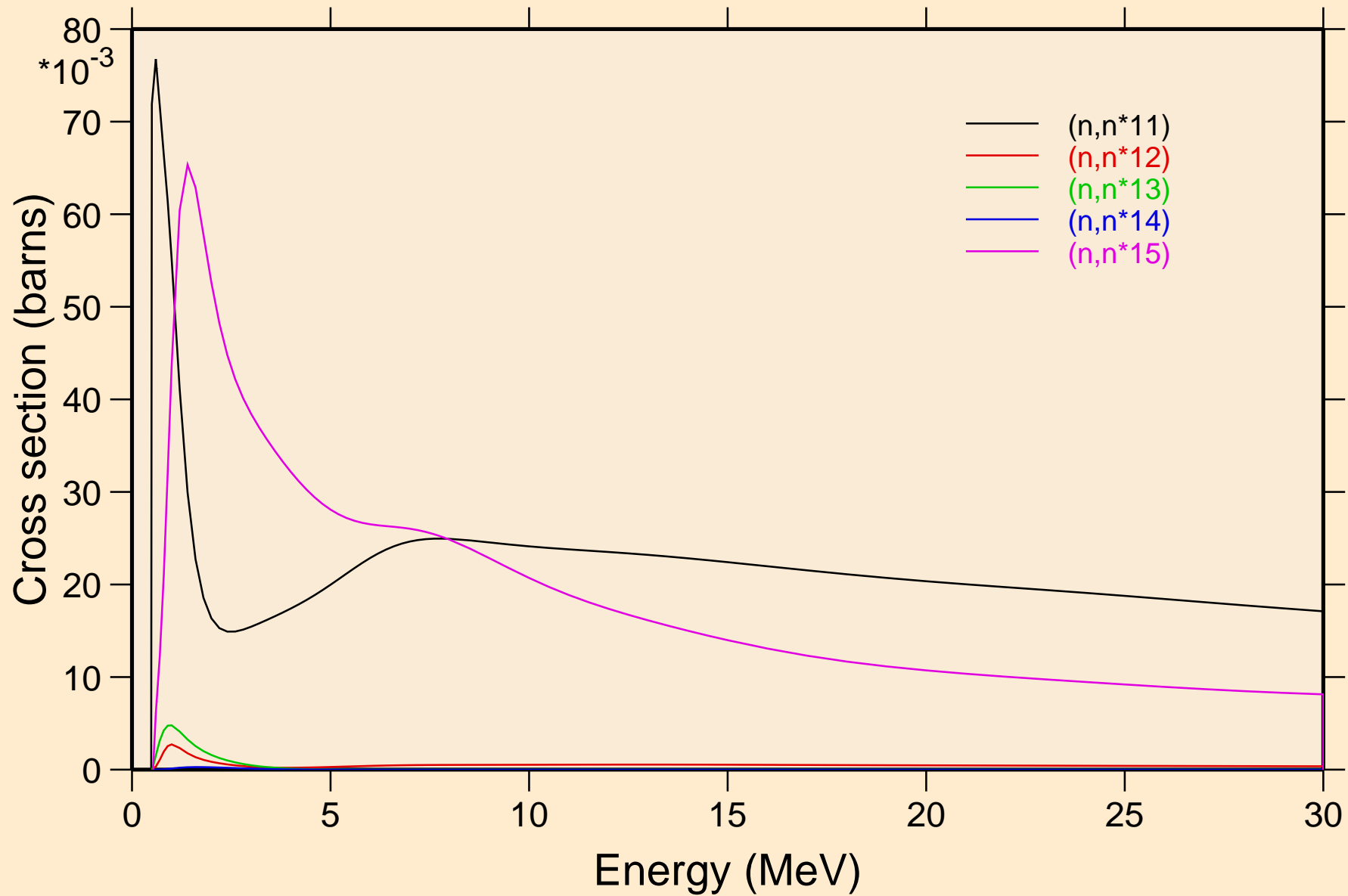


HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels

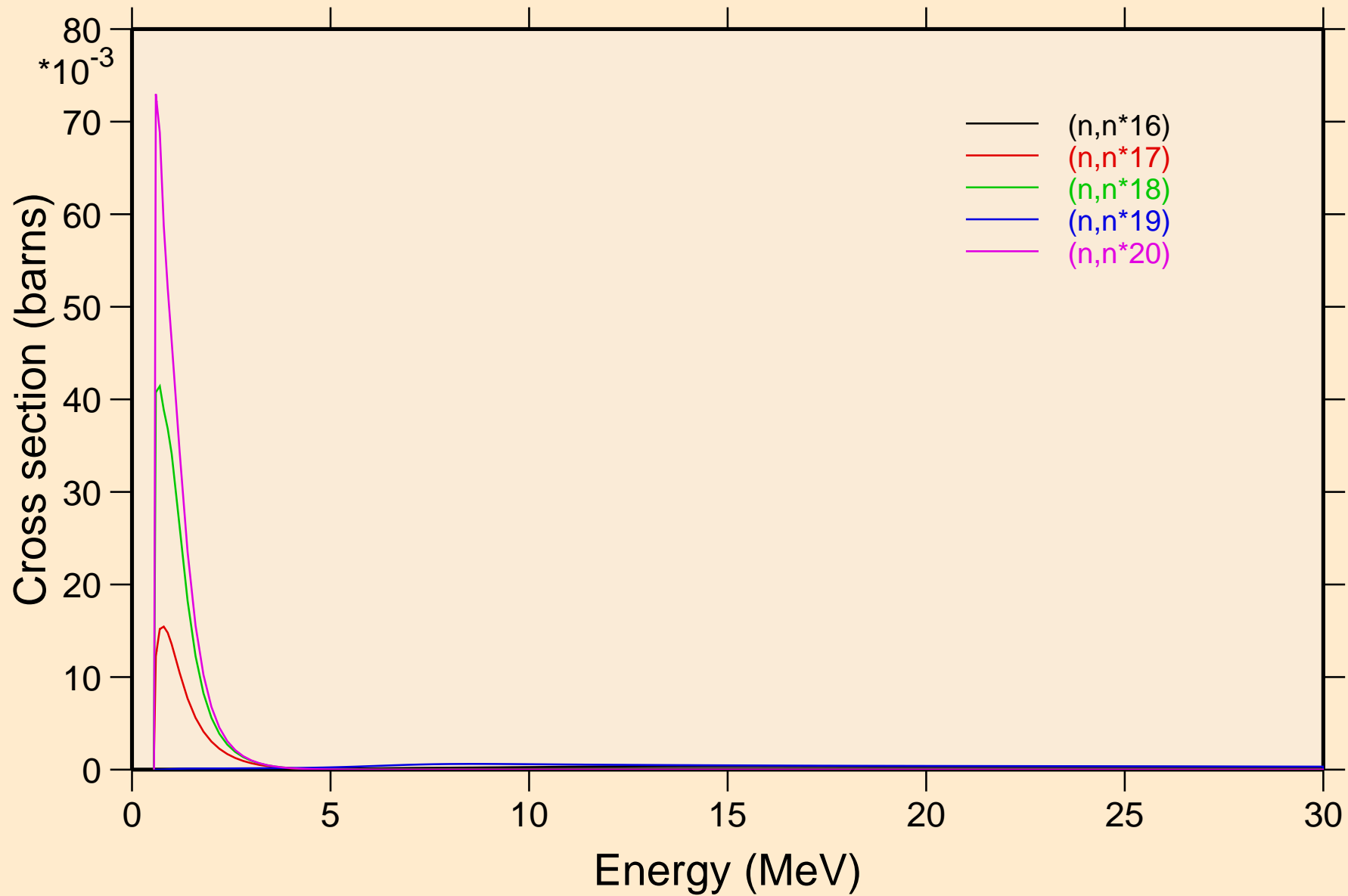


# HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

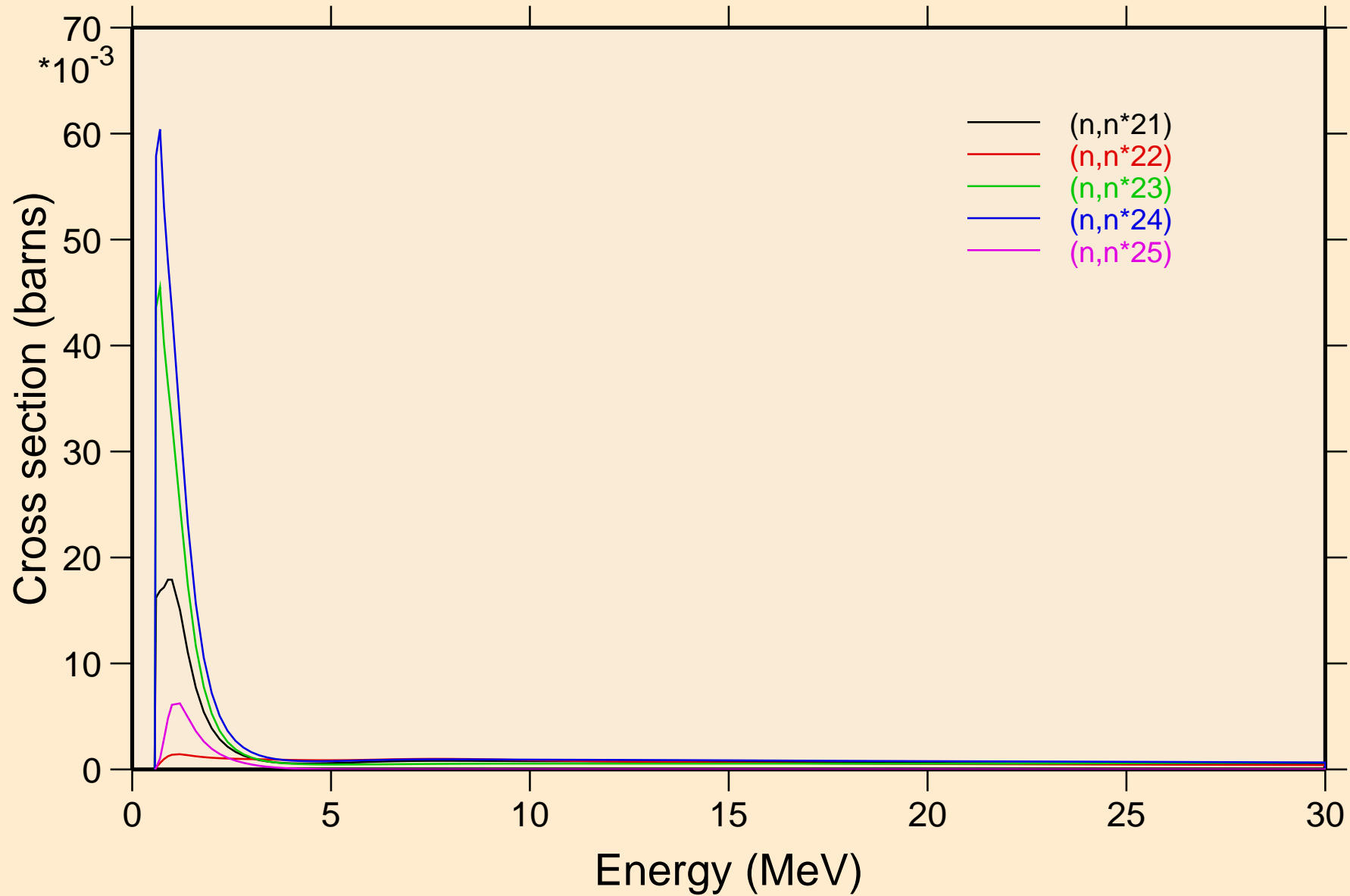
## Inelastic levels



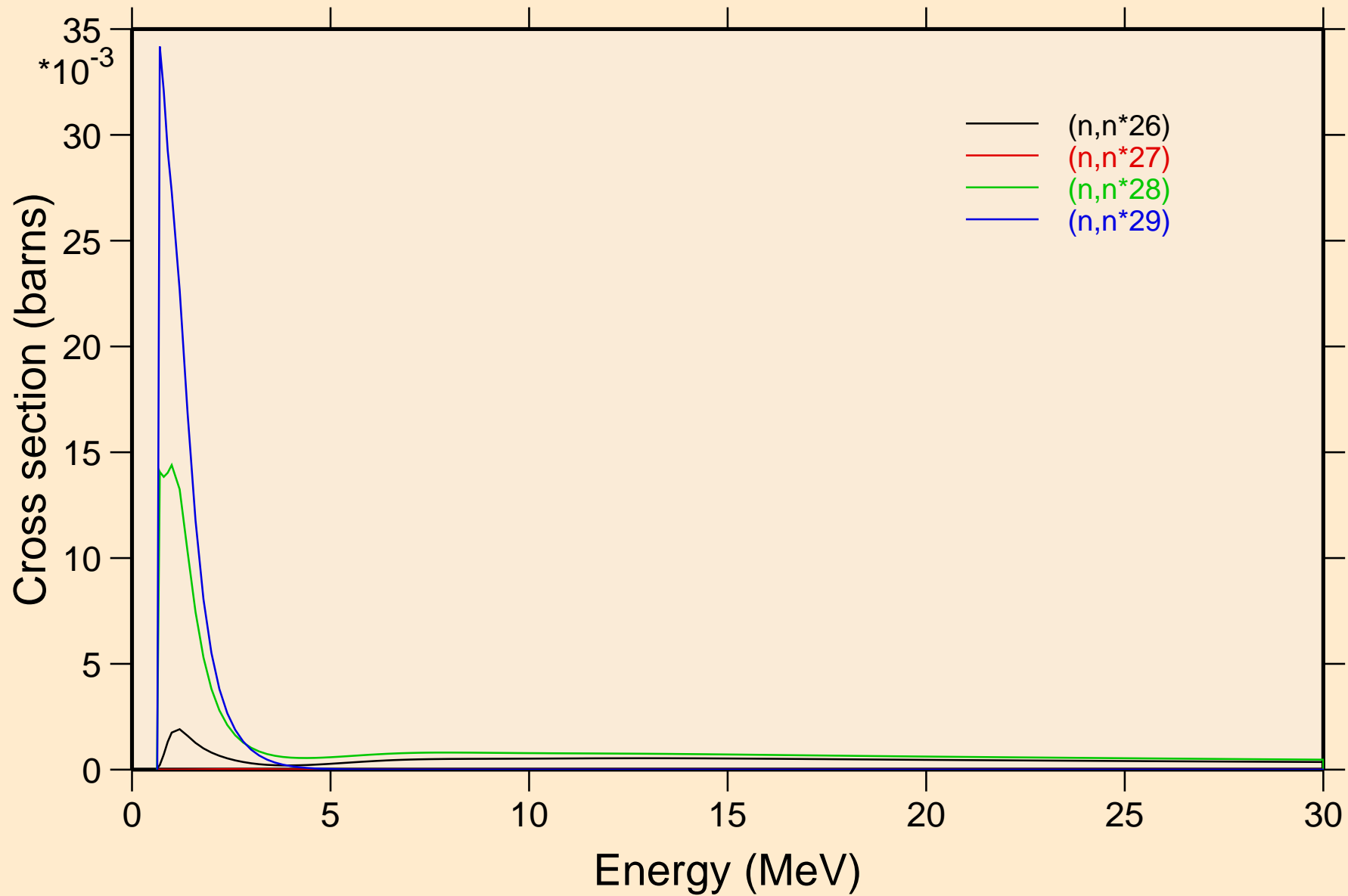
HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels

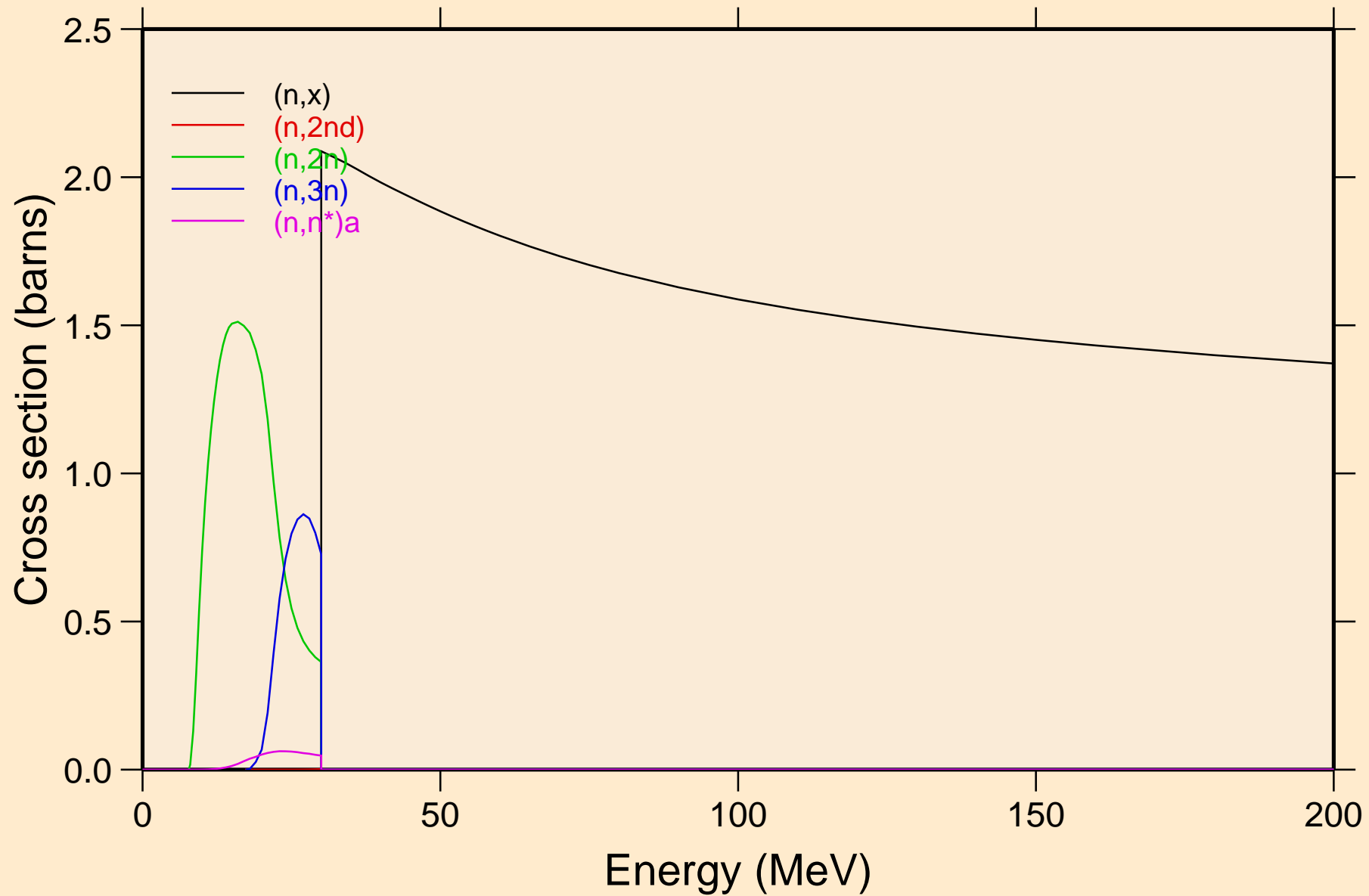


HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



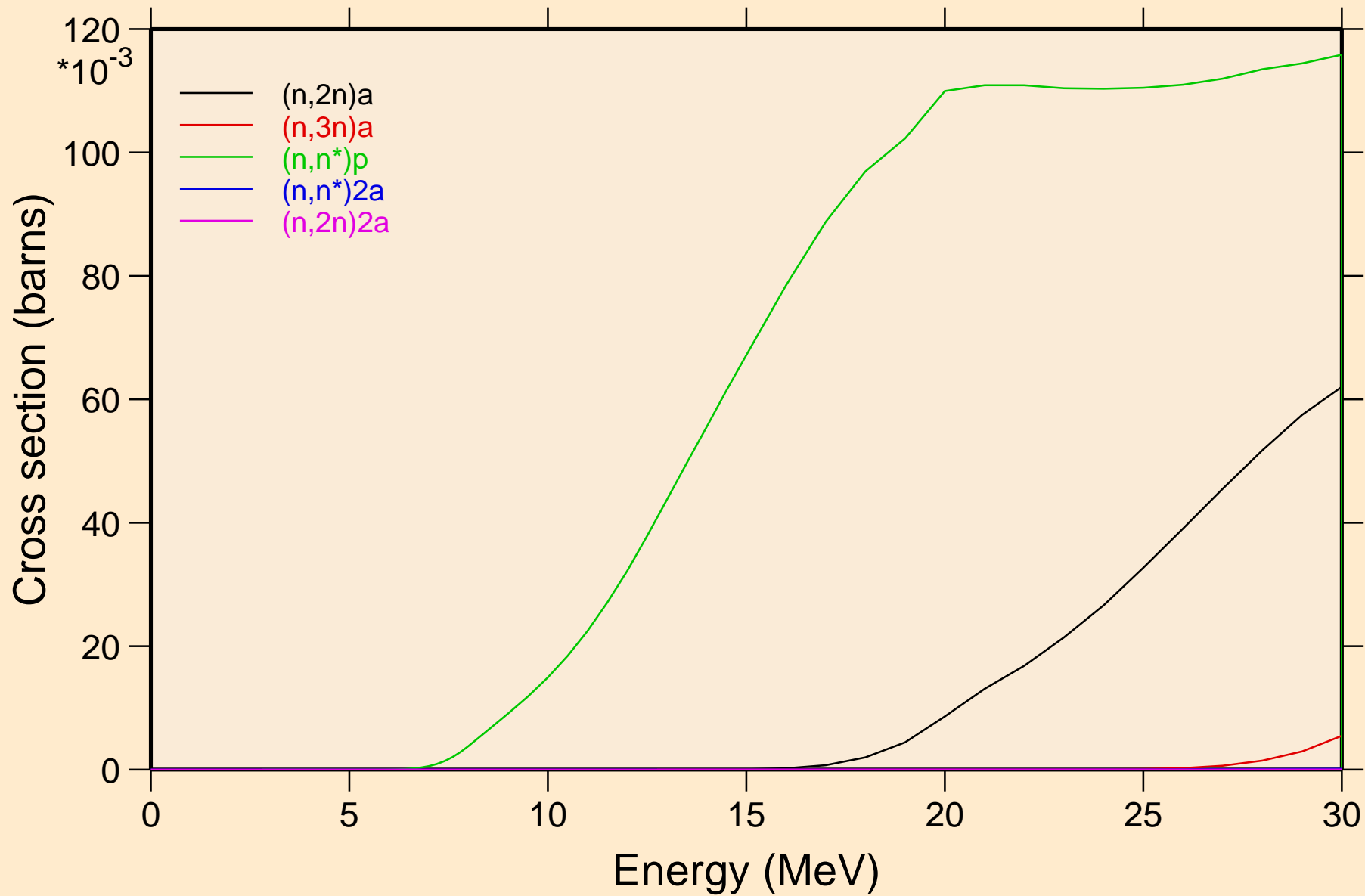


HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



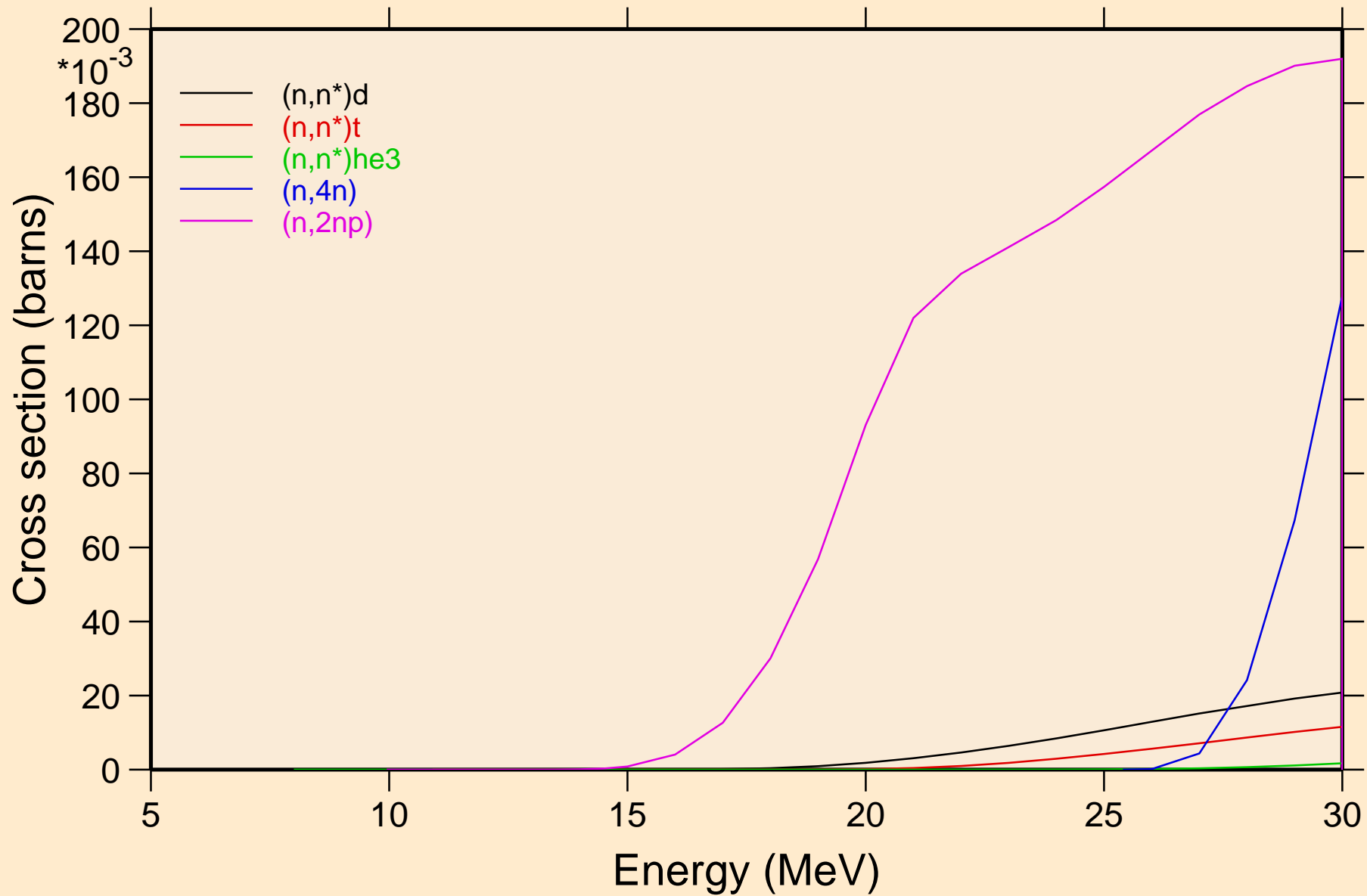
# HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Threshold reactions

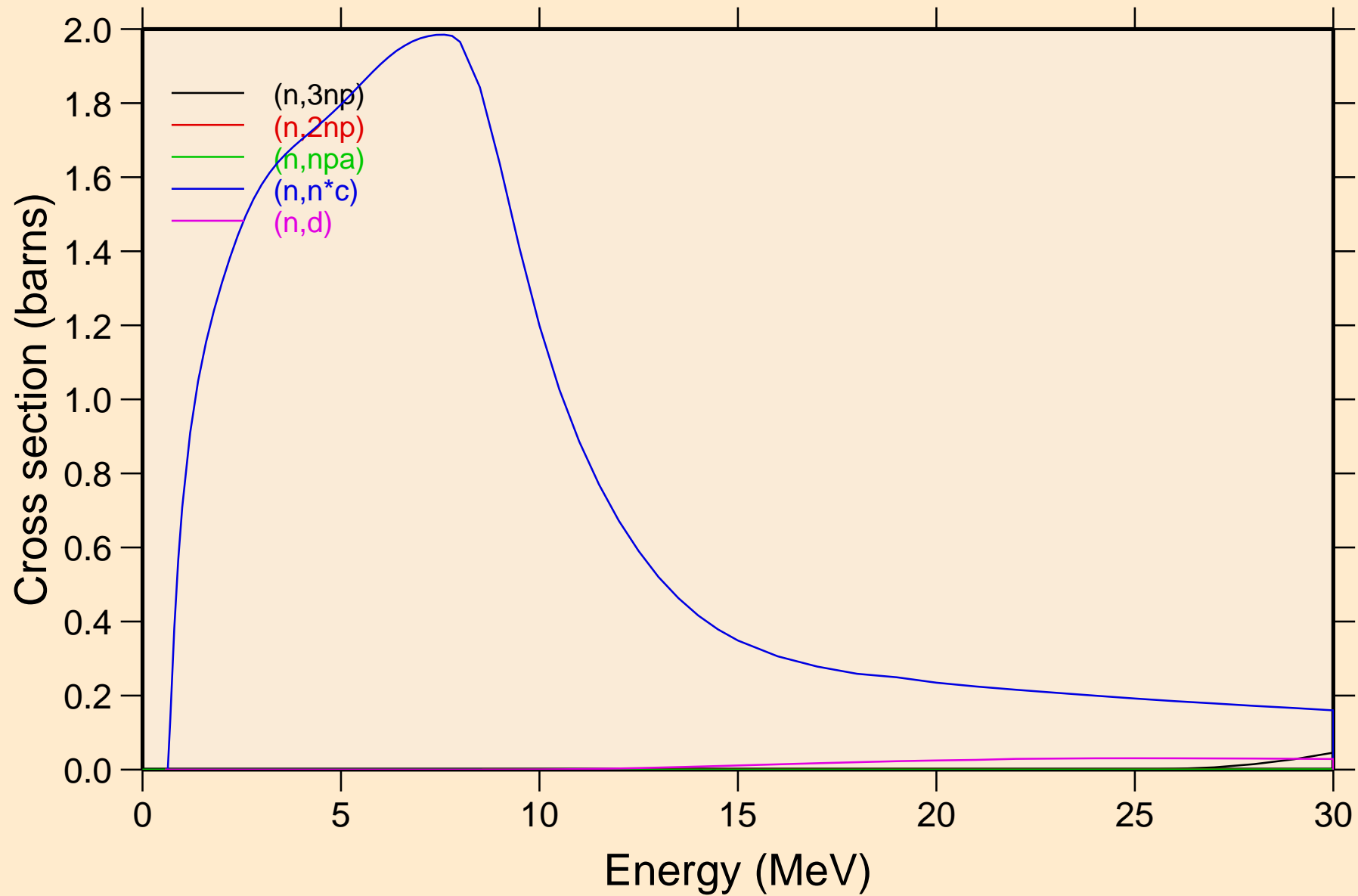


# HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

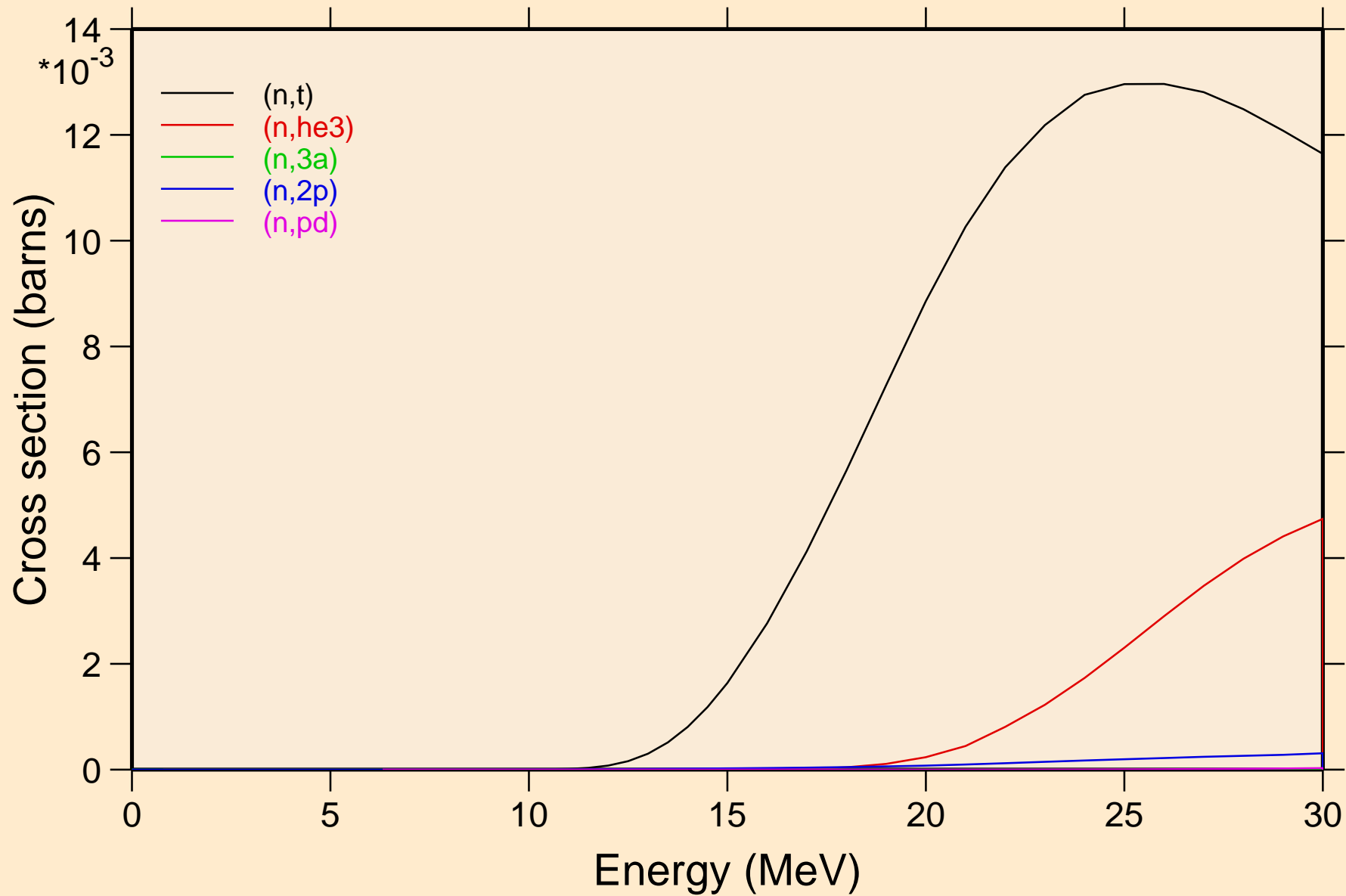
## Threshold reactions



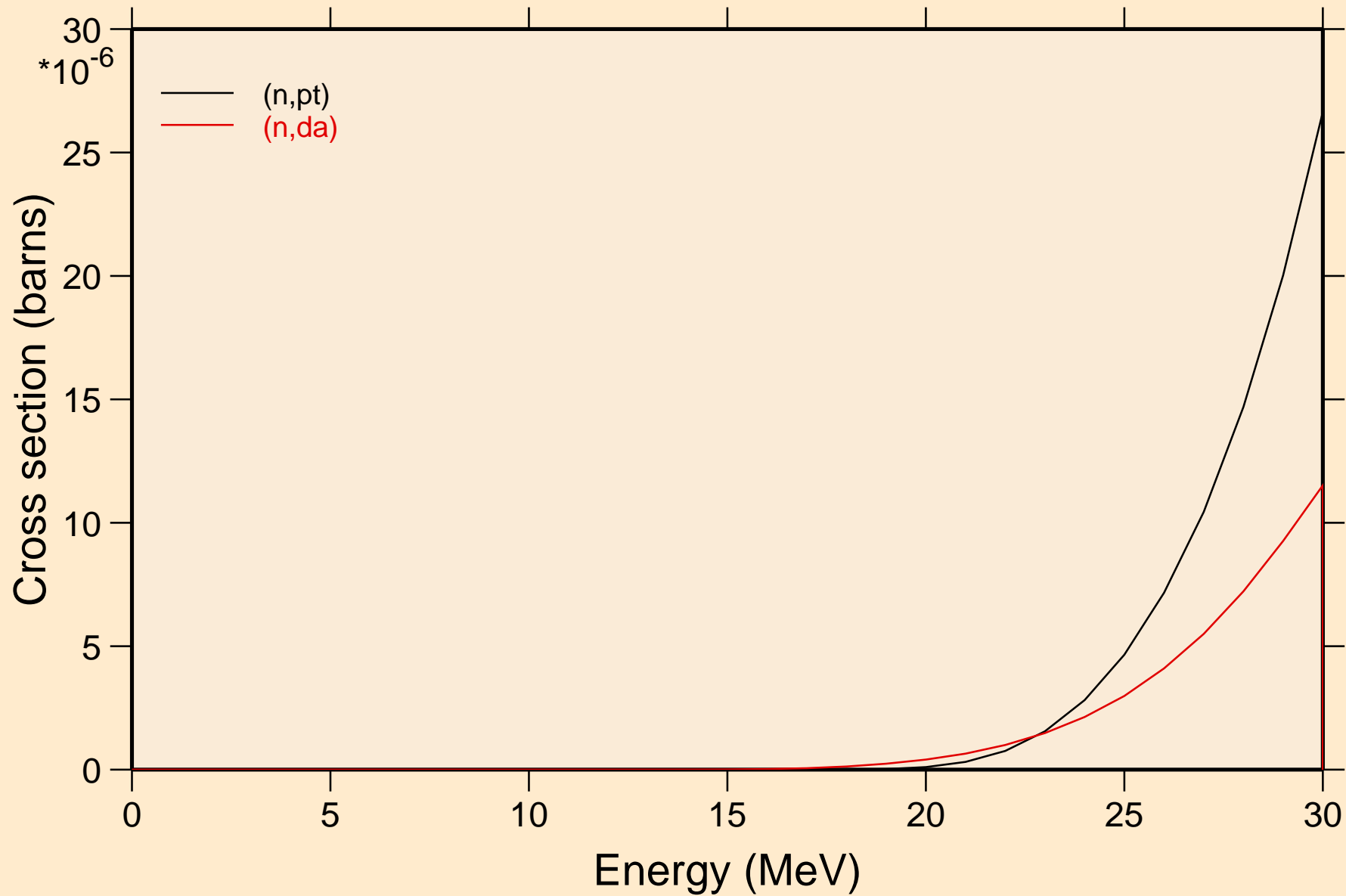
HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



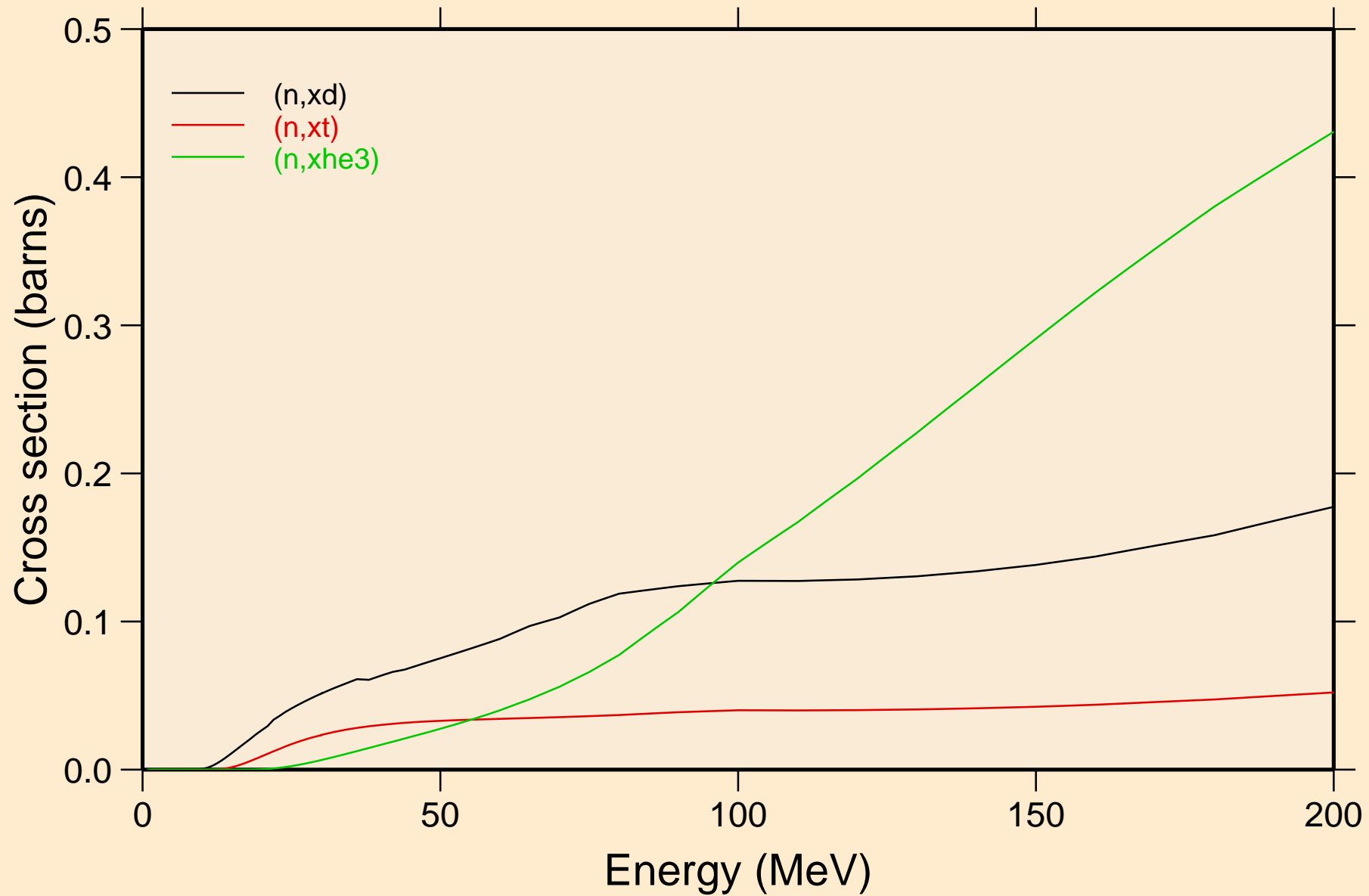
HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



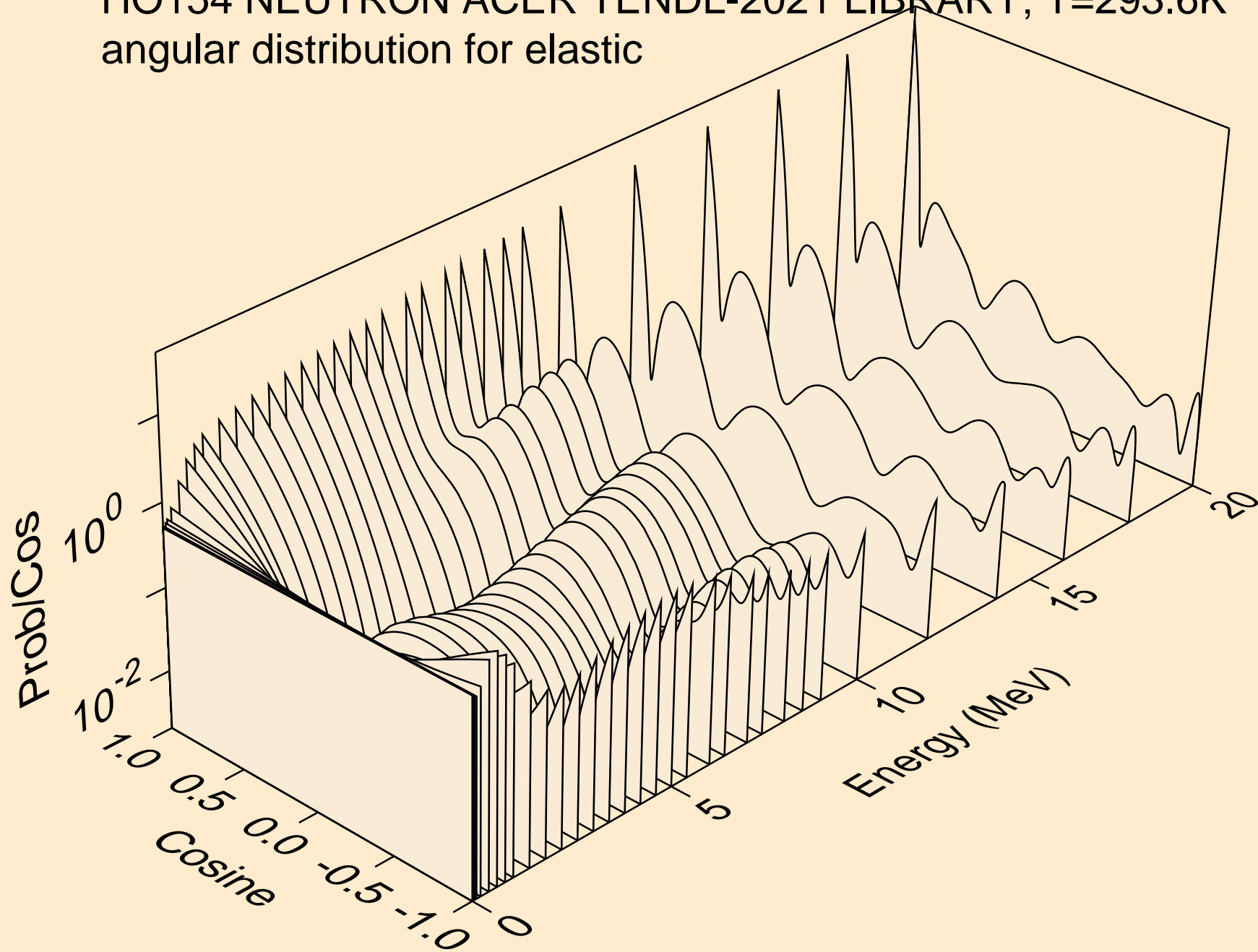
HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions

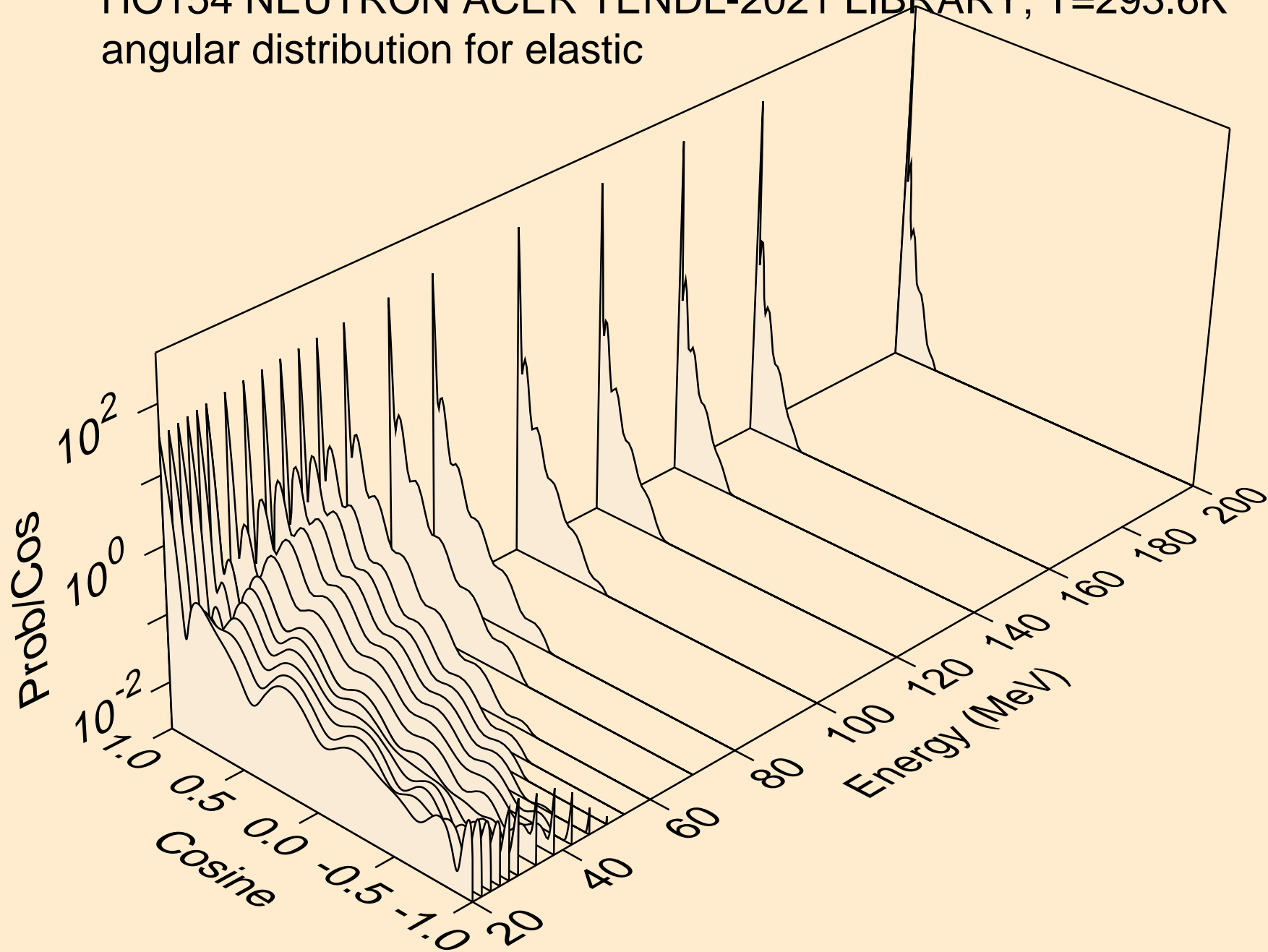


HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for elastic

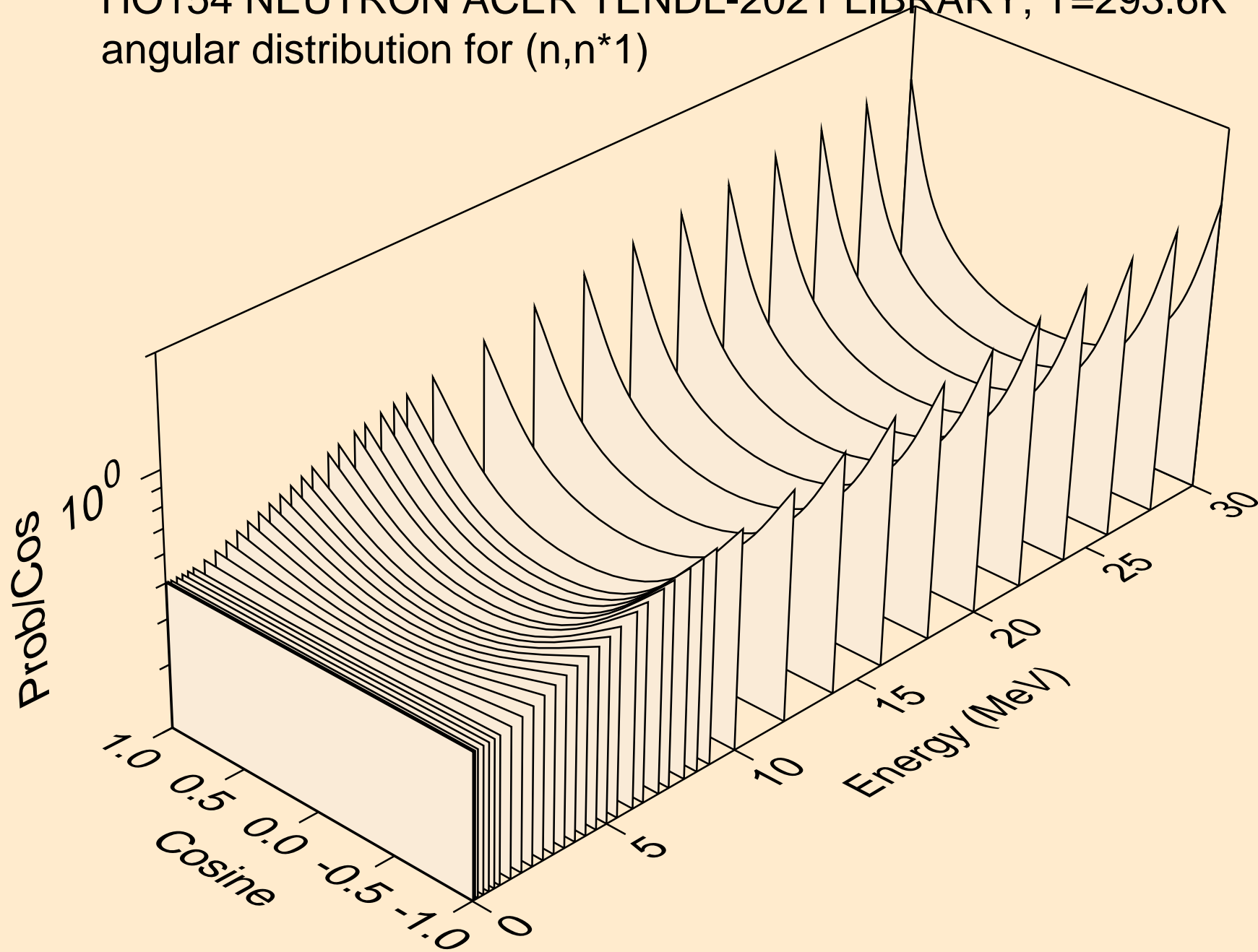




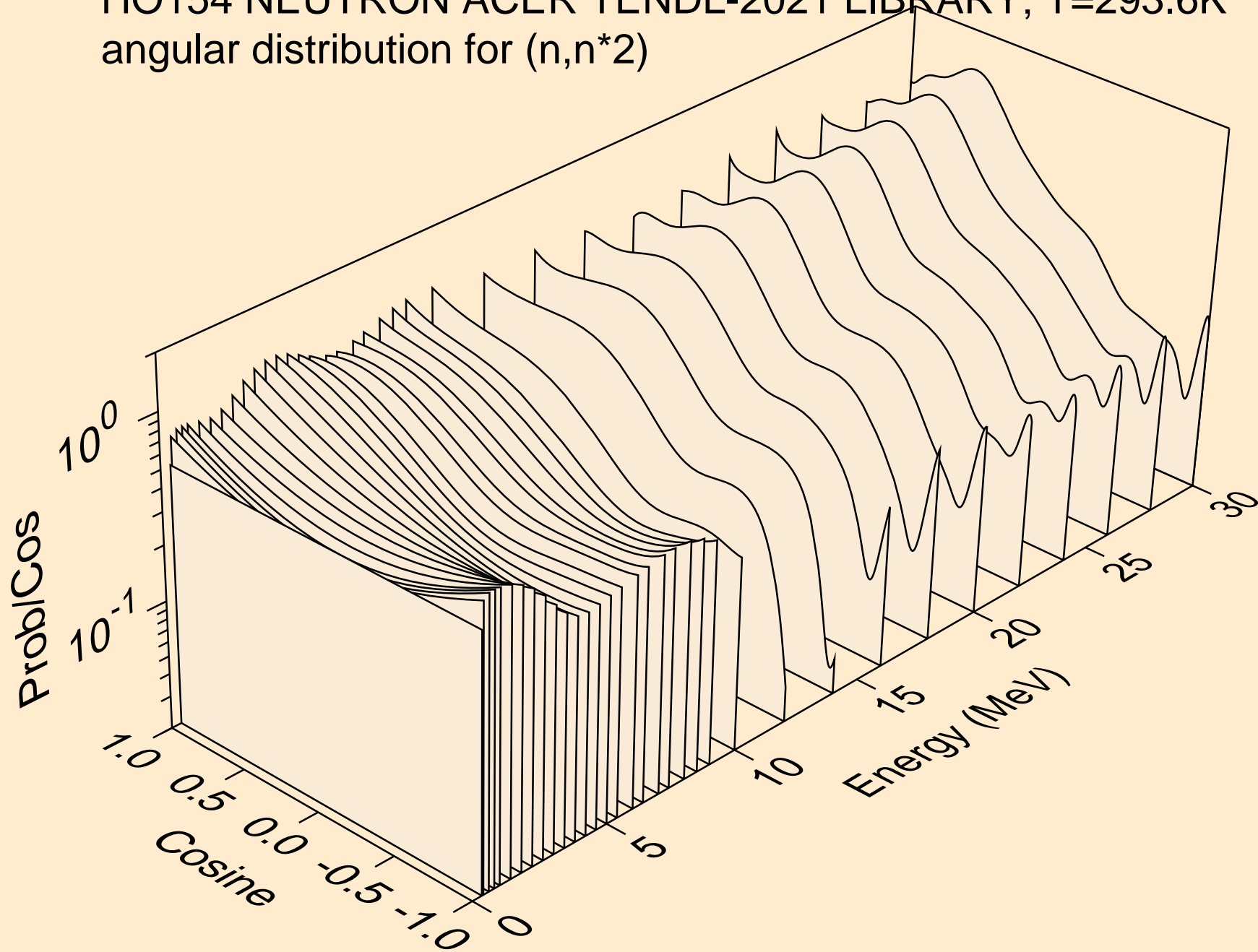
HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for elastic



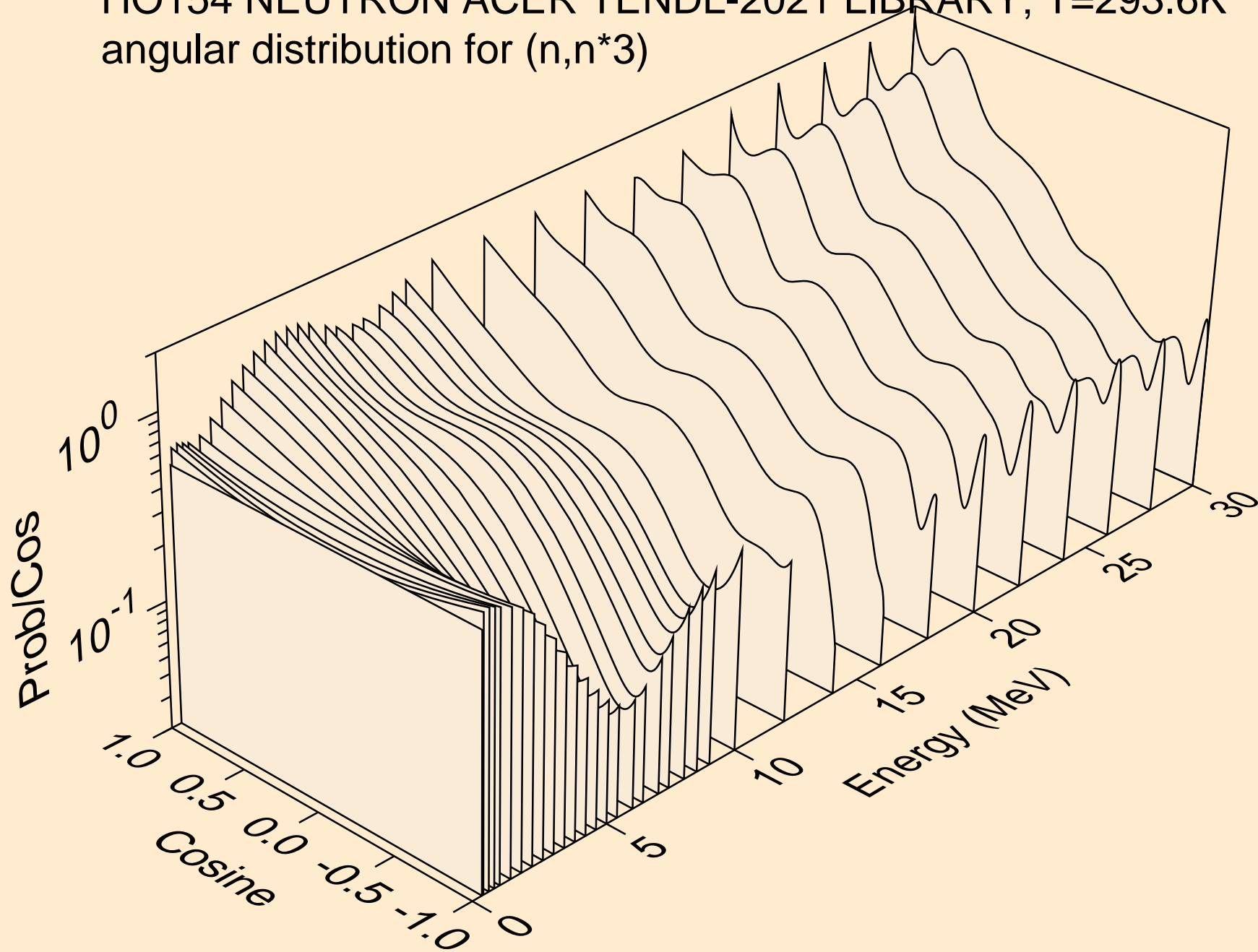
HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*1)



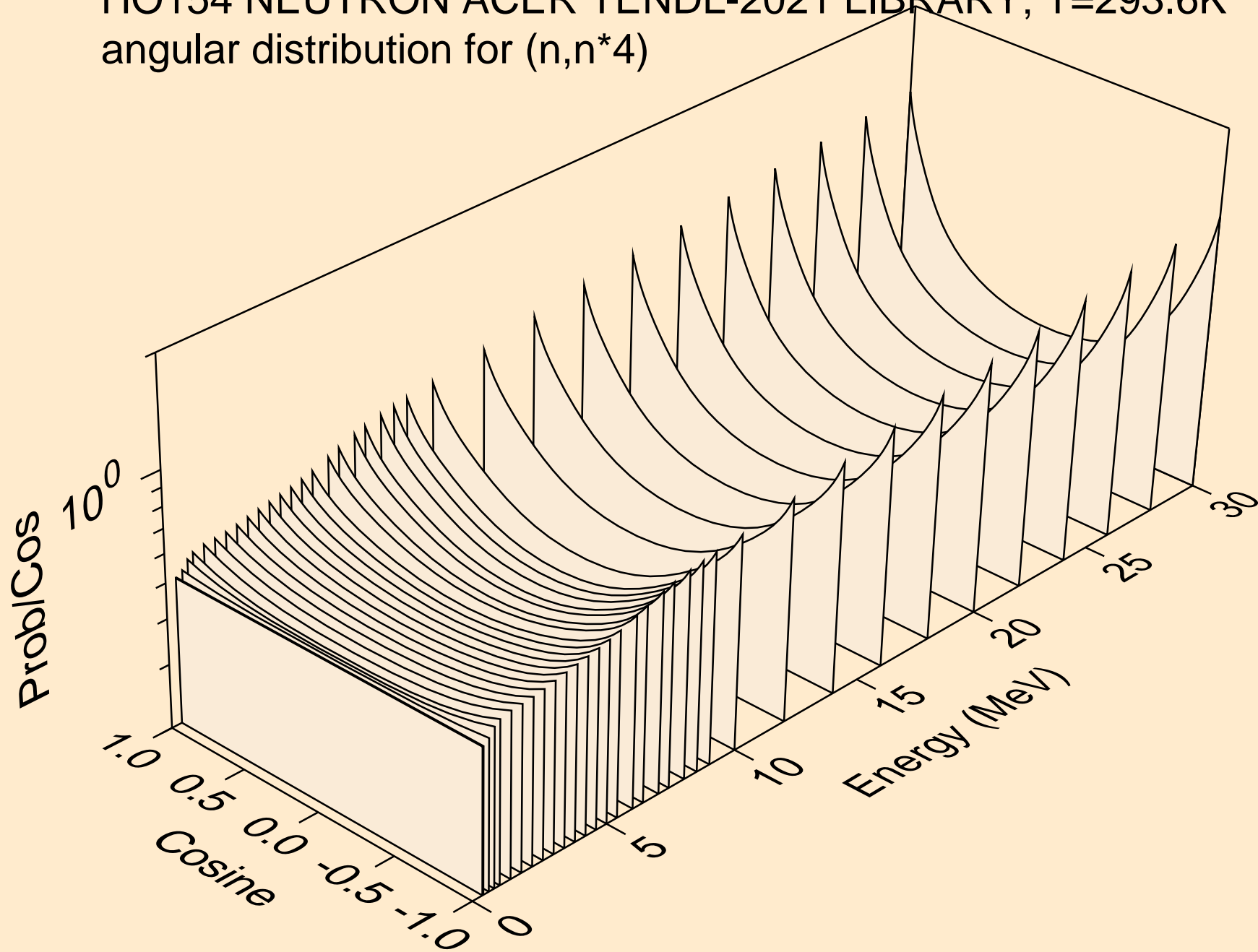
HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*2)



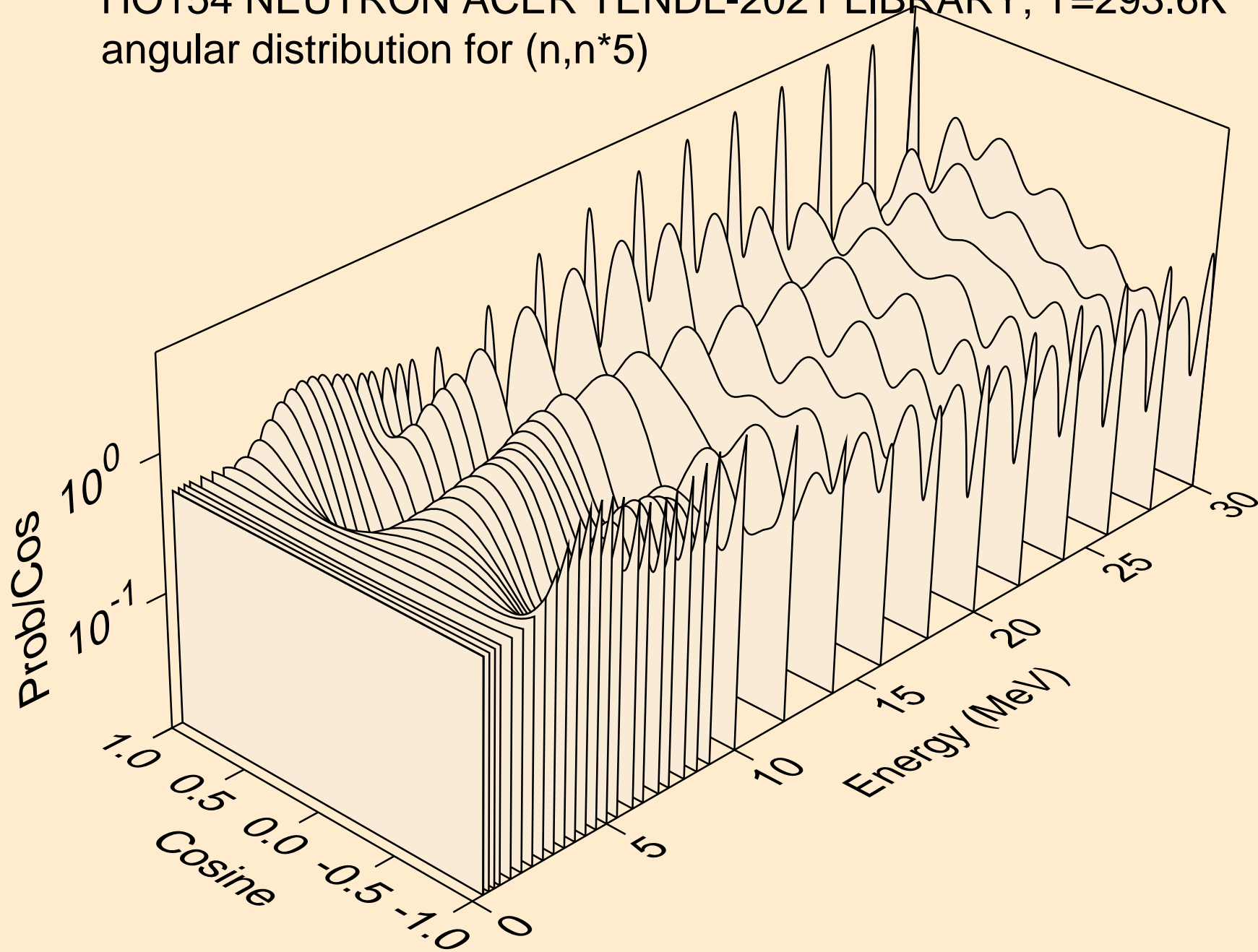
HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*3)



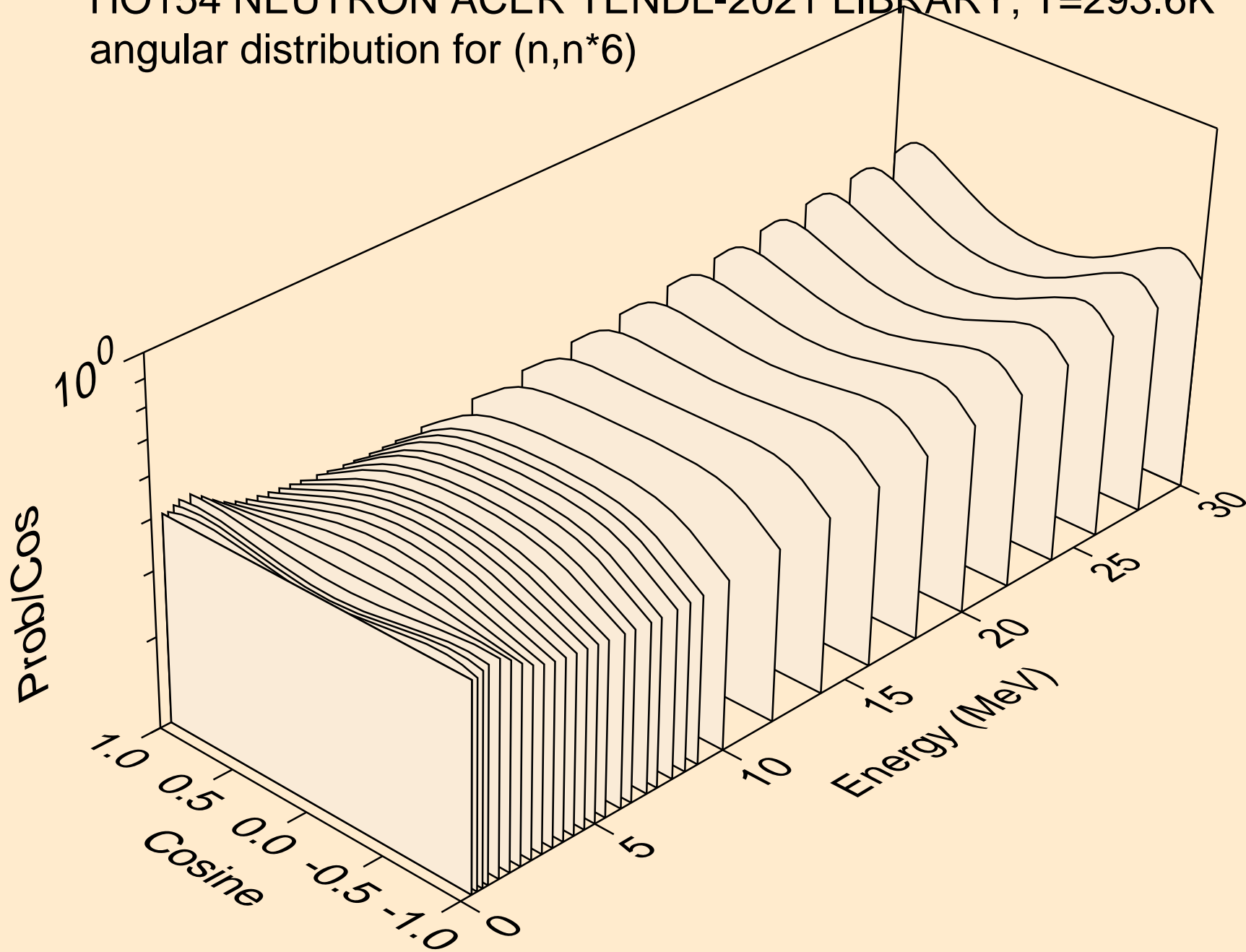
HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*4)



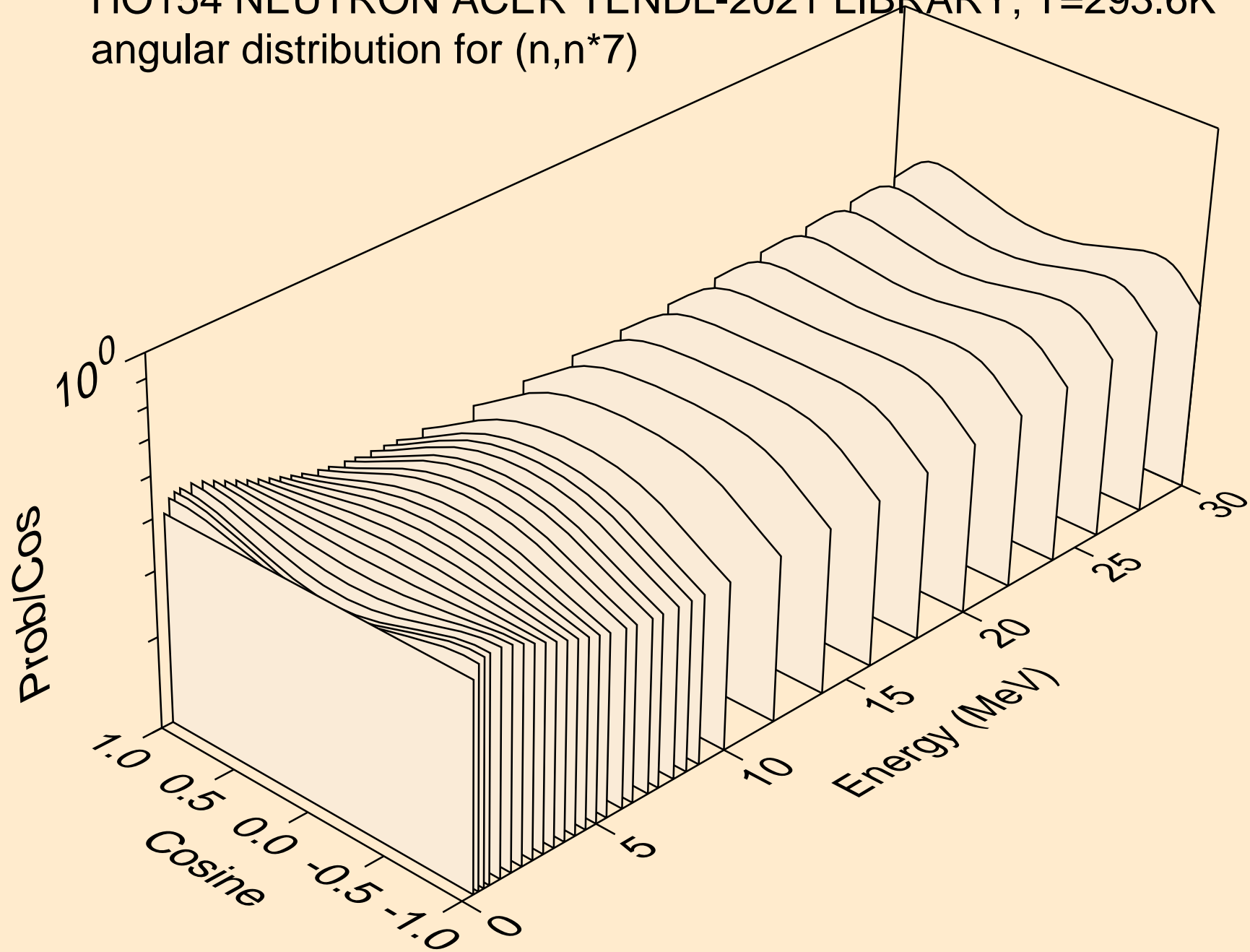
HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*5)



HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*6)

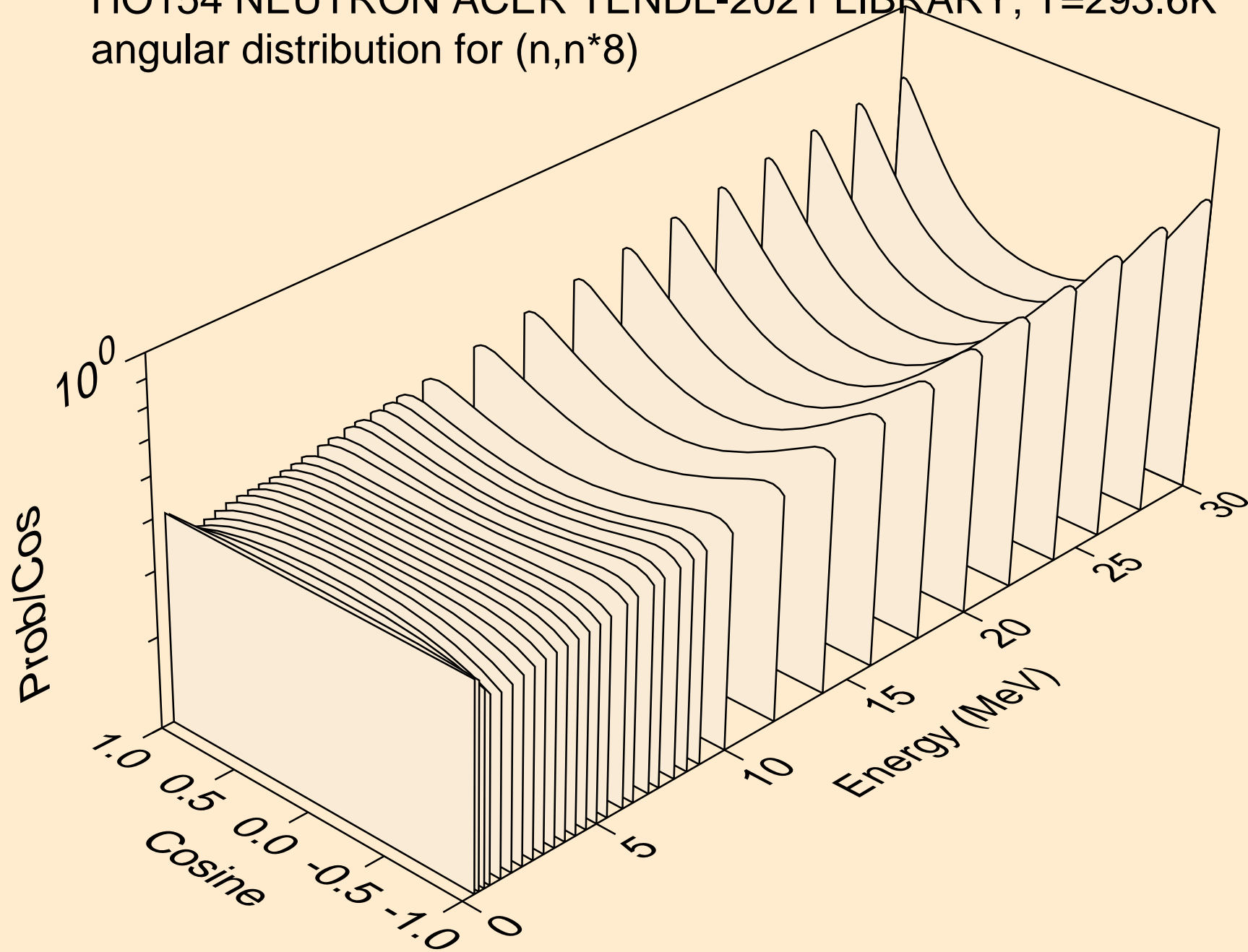


HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*7)

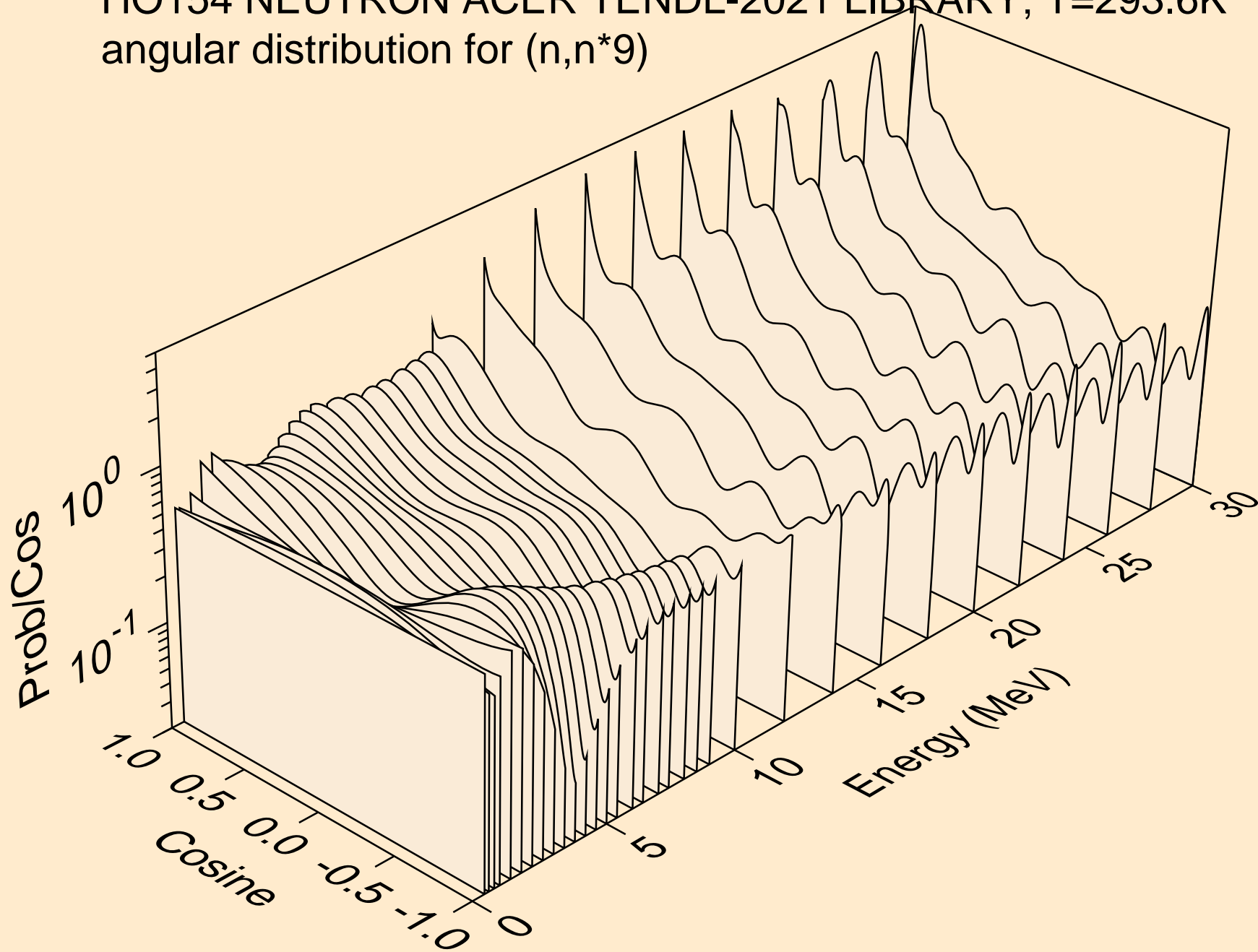




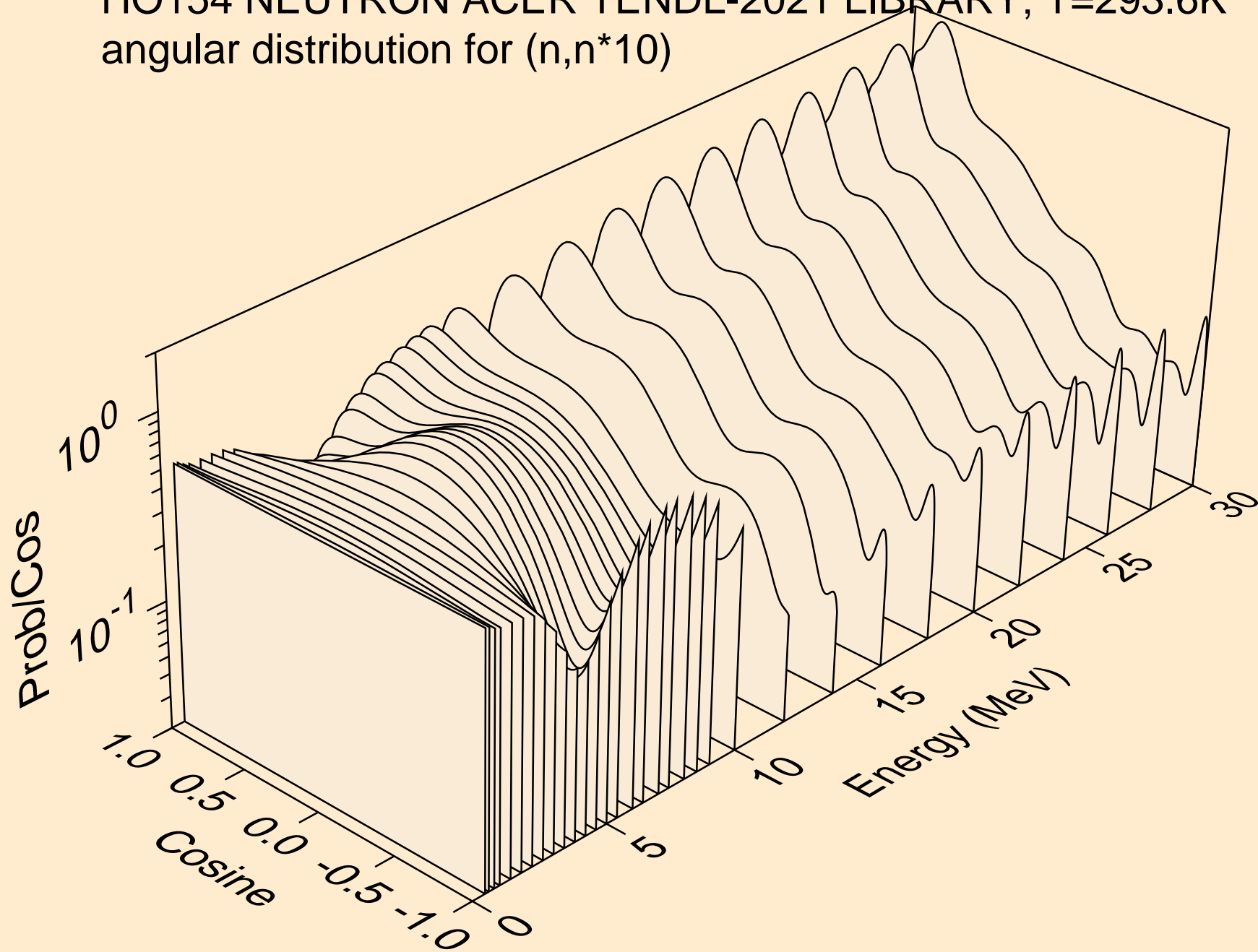
HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*8)



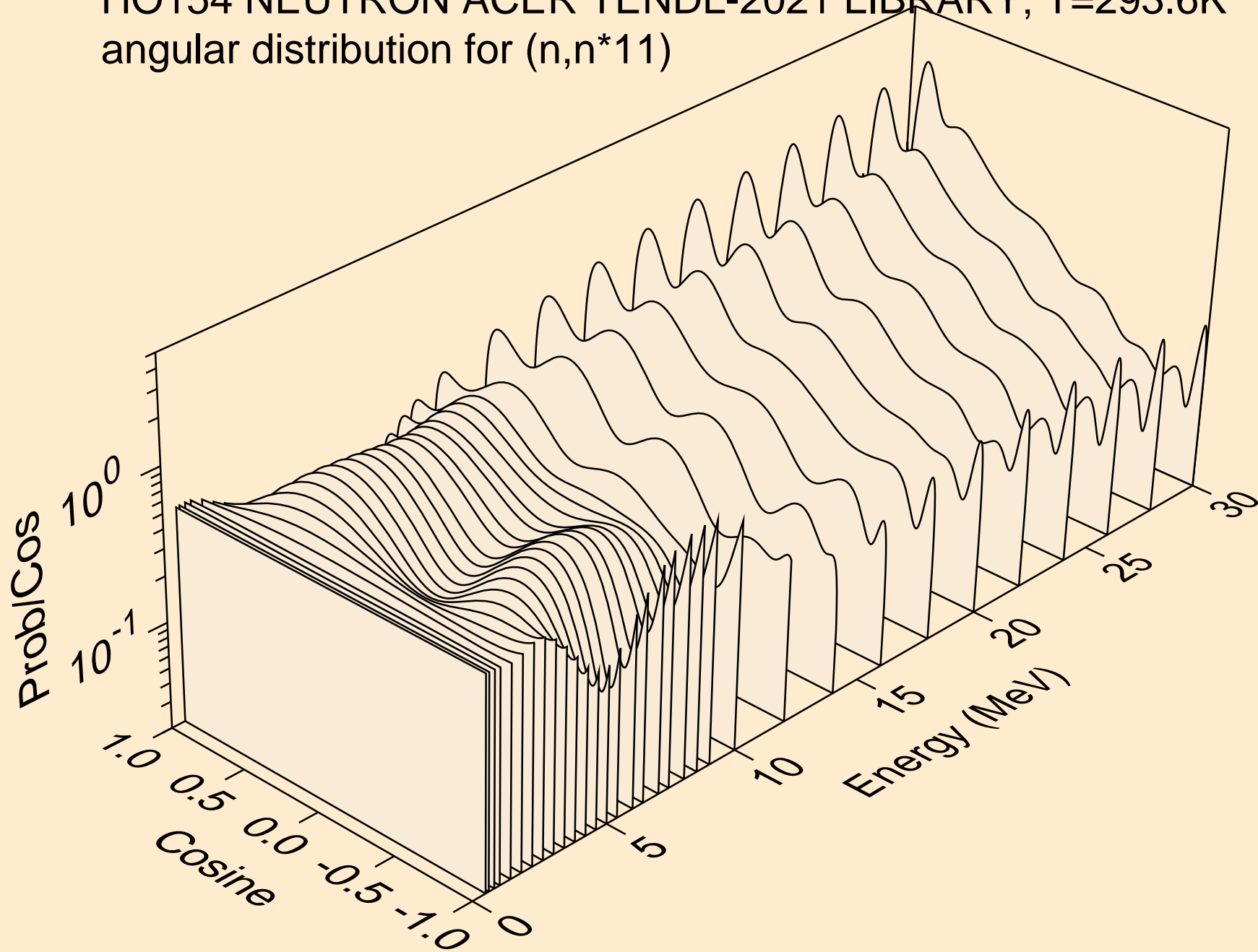
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angular distribution for (n,n\*9)



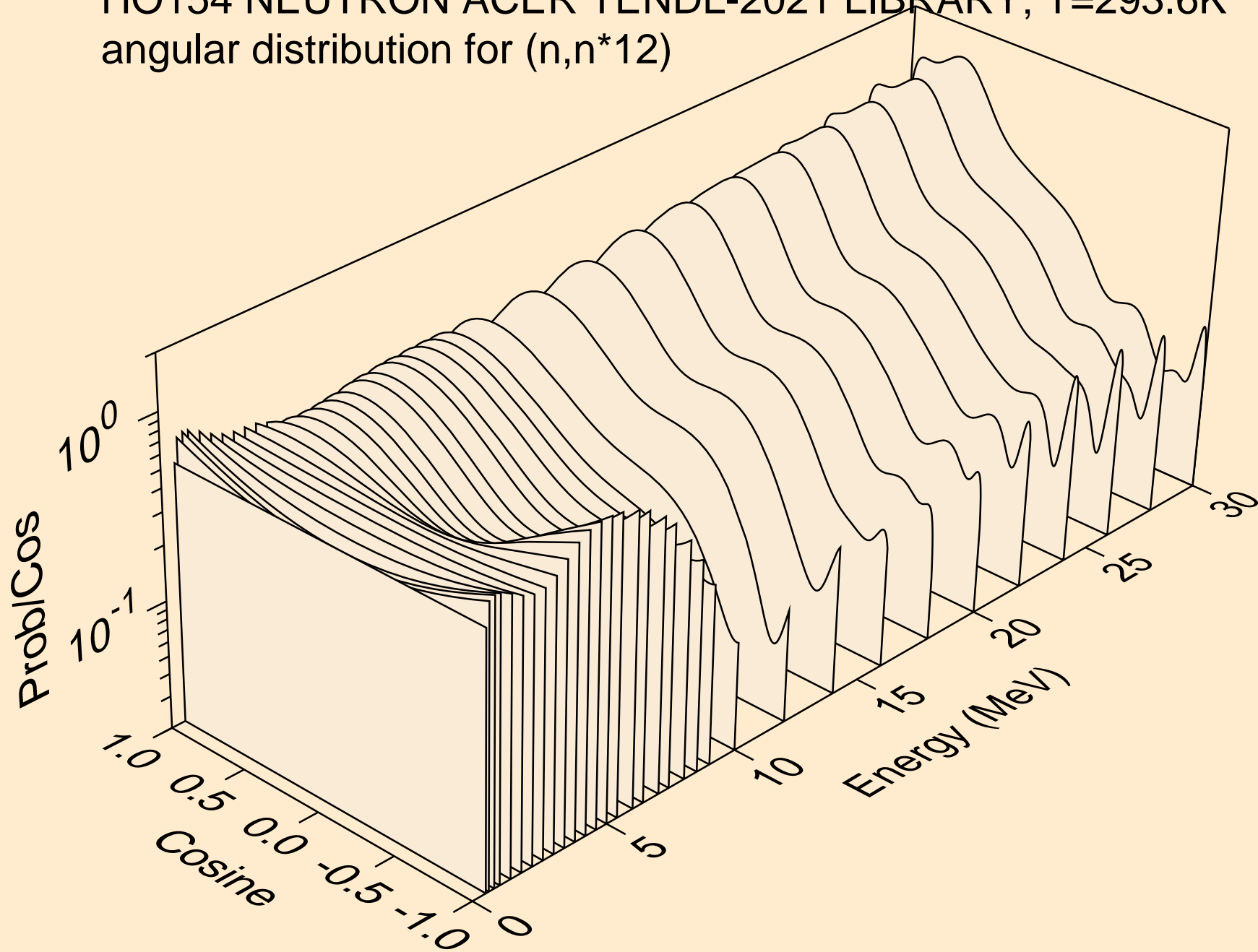
HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*10)



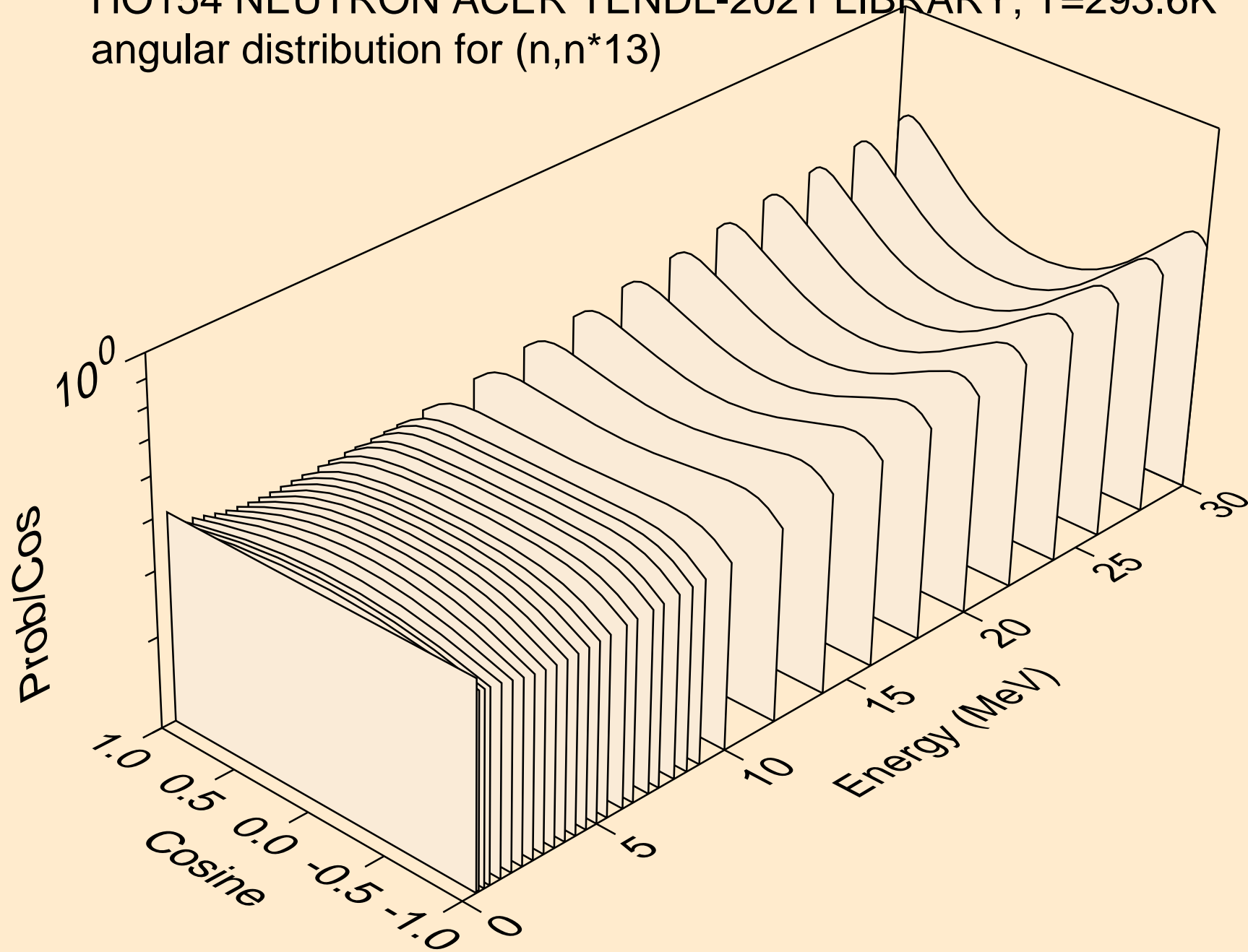
HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*11)



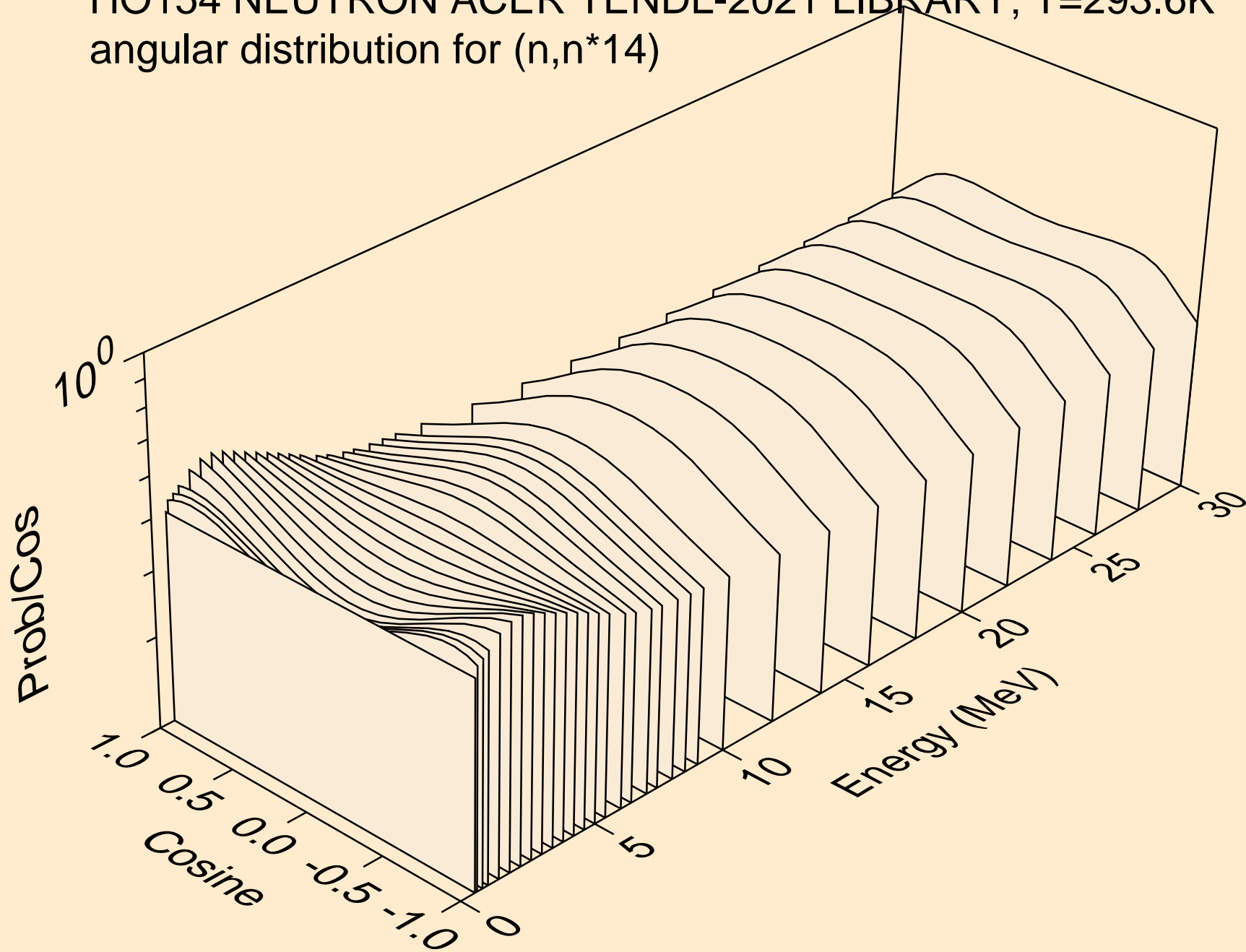
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angular distribution for (n,n\*12)



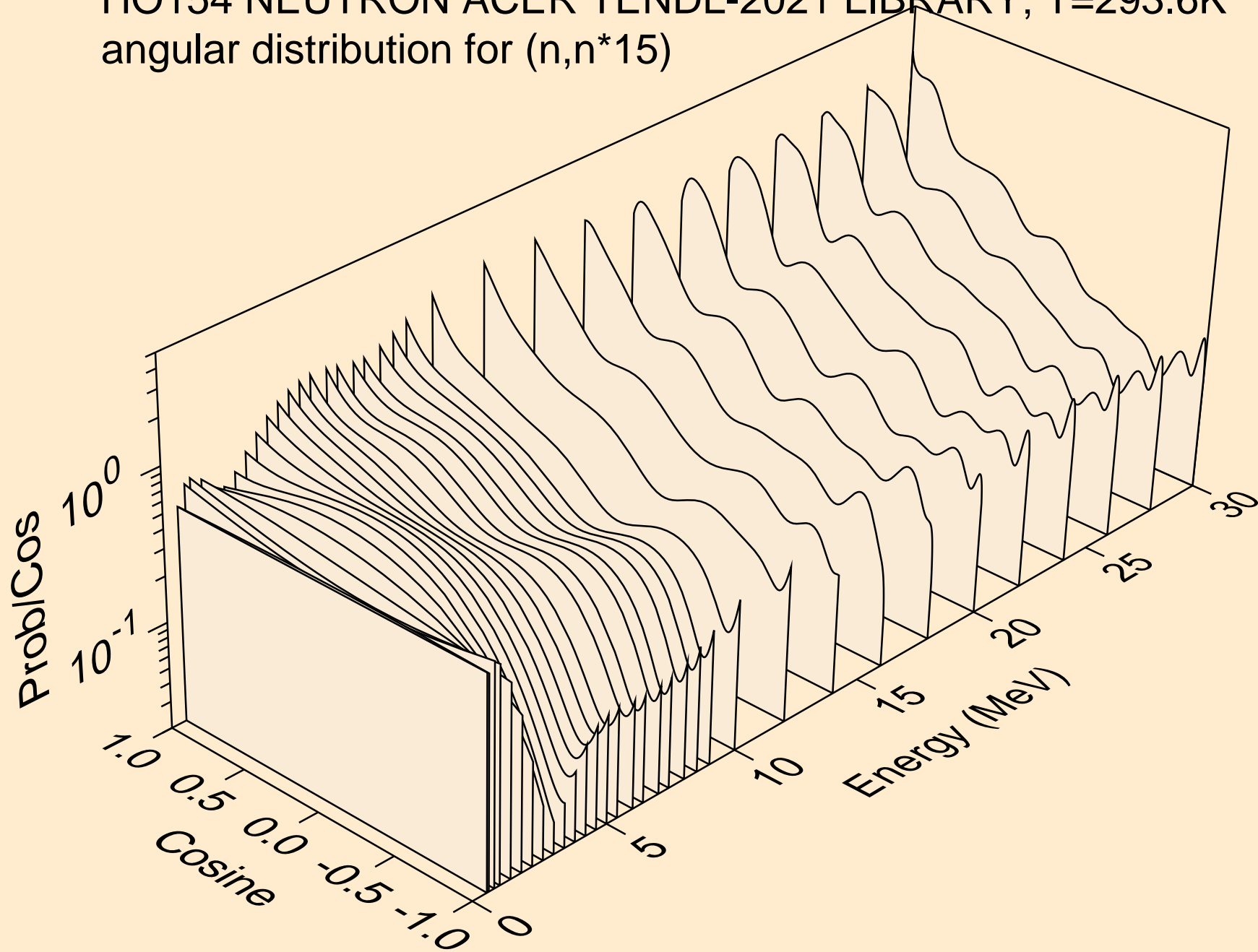
HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*13)



HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*14)

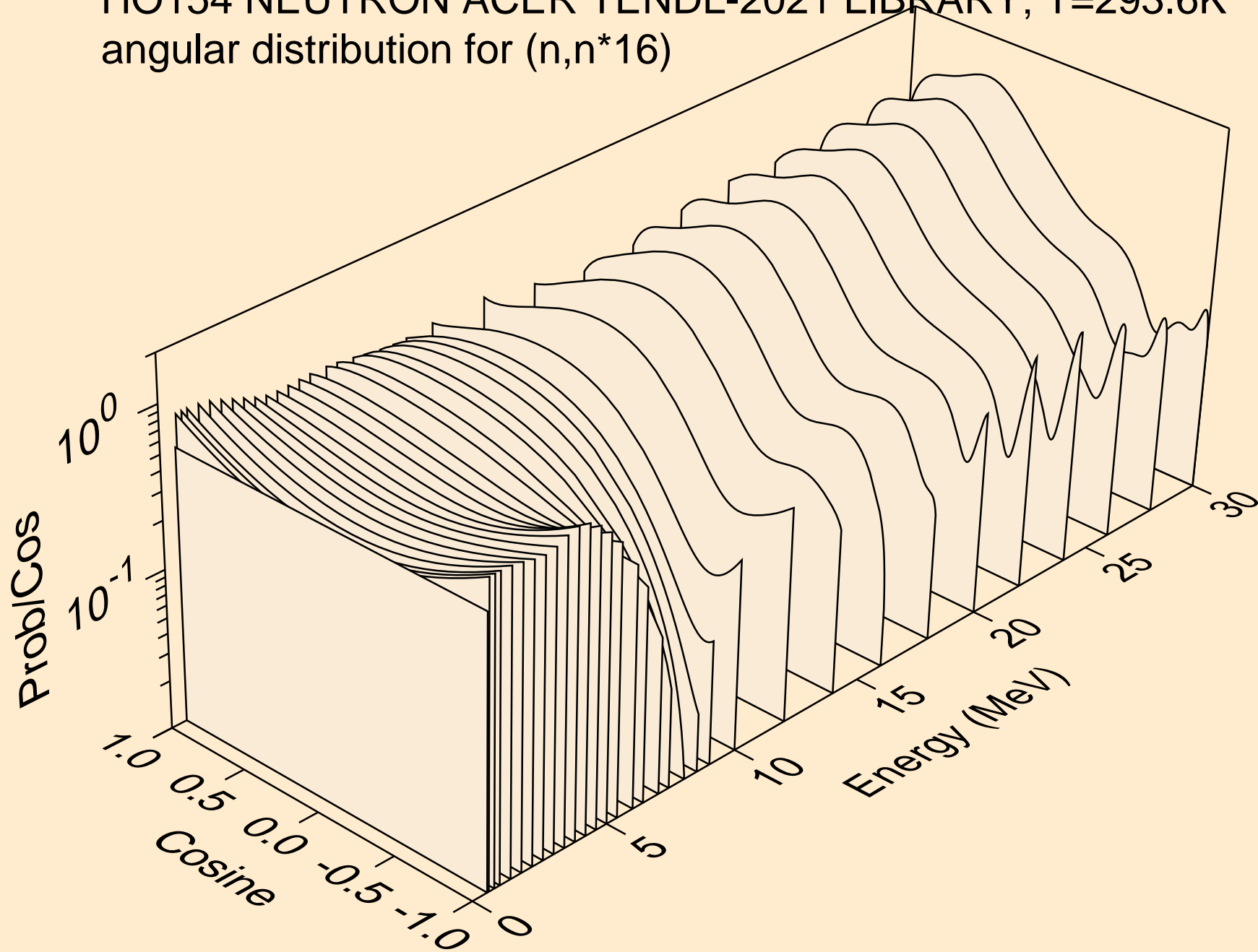


HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*15)

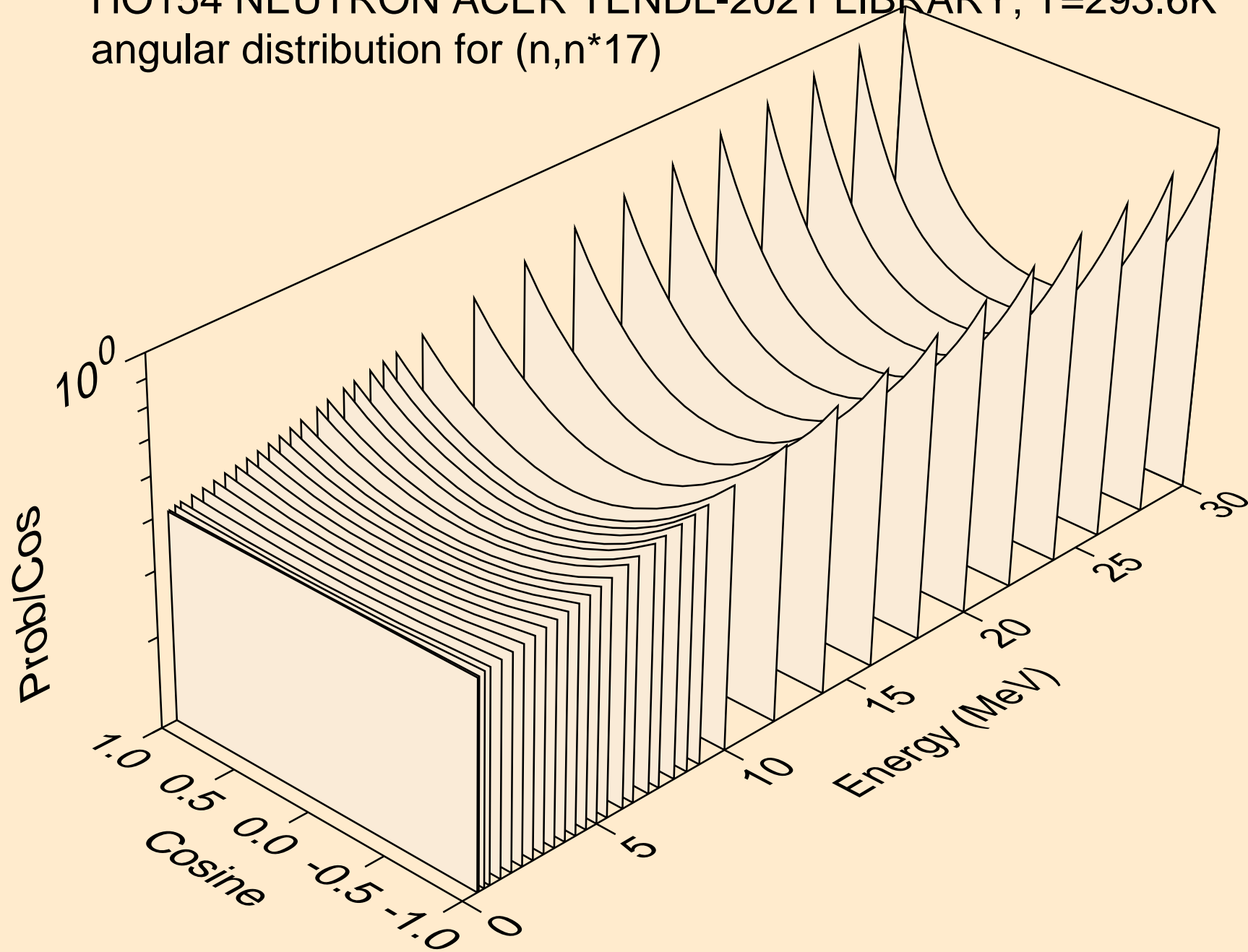




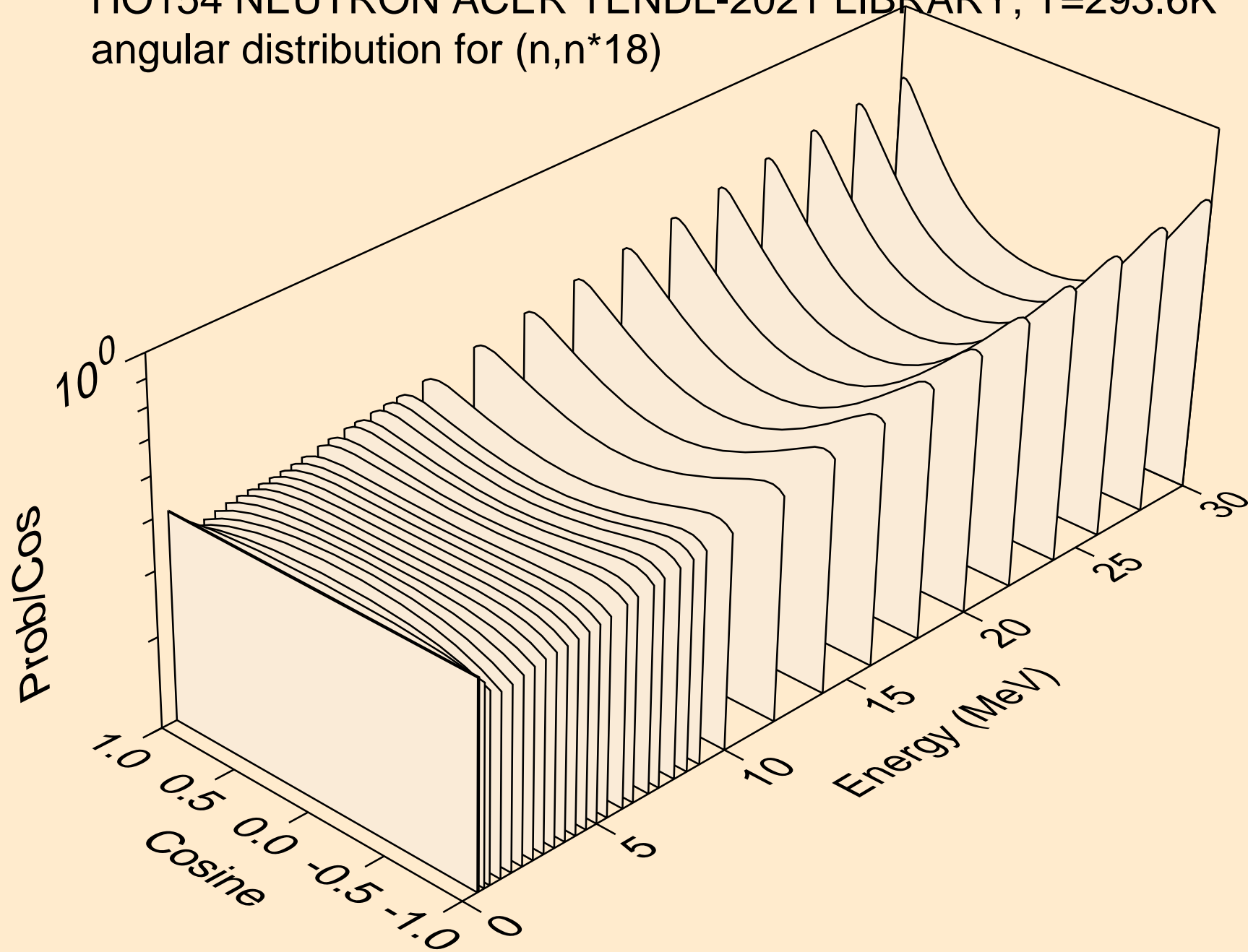
HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*16)



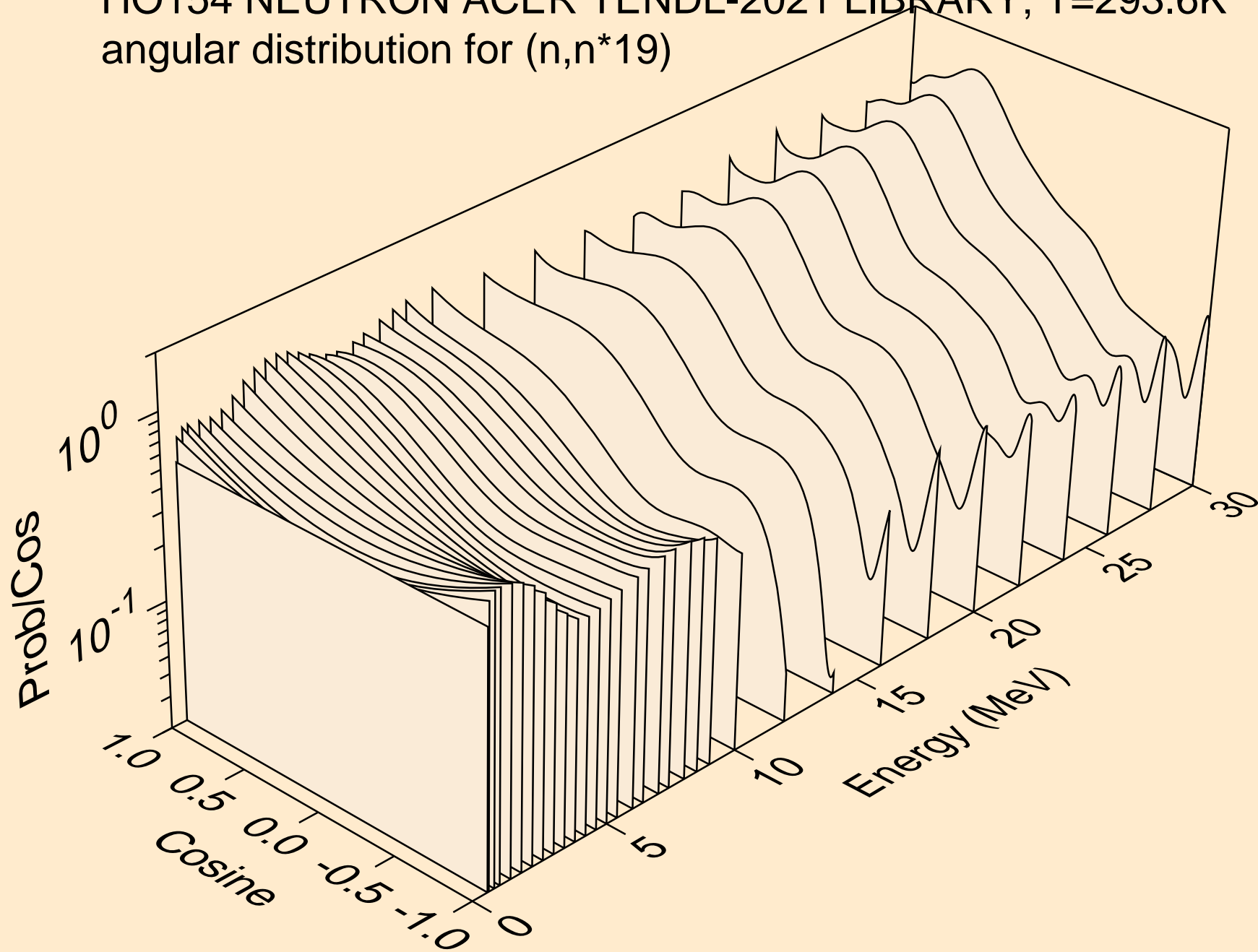
HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*17)



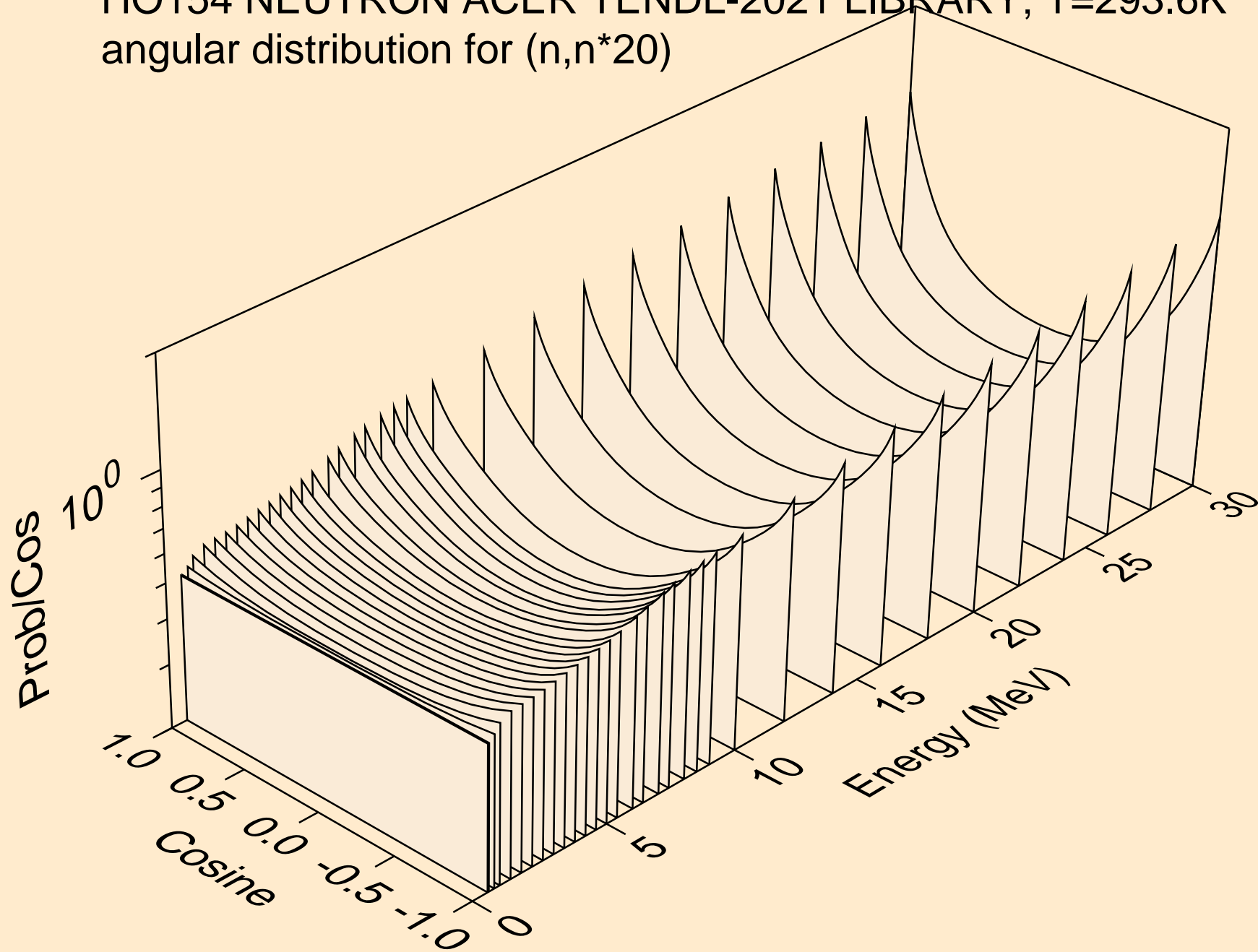
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angular distribution for (n,n\*18)



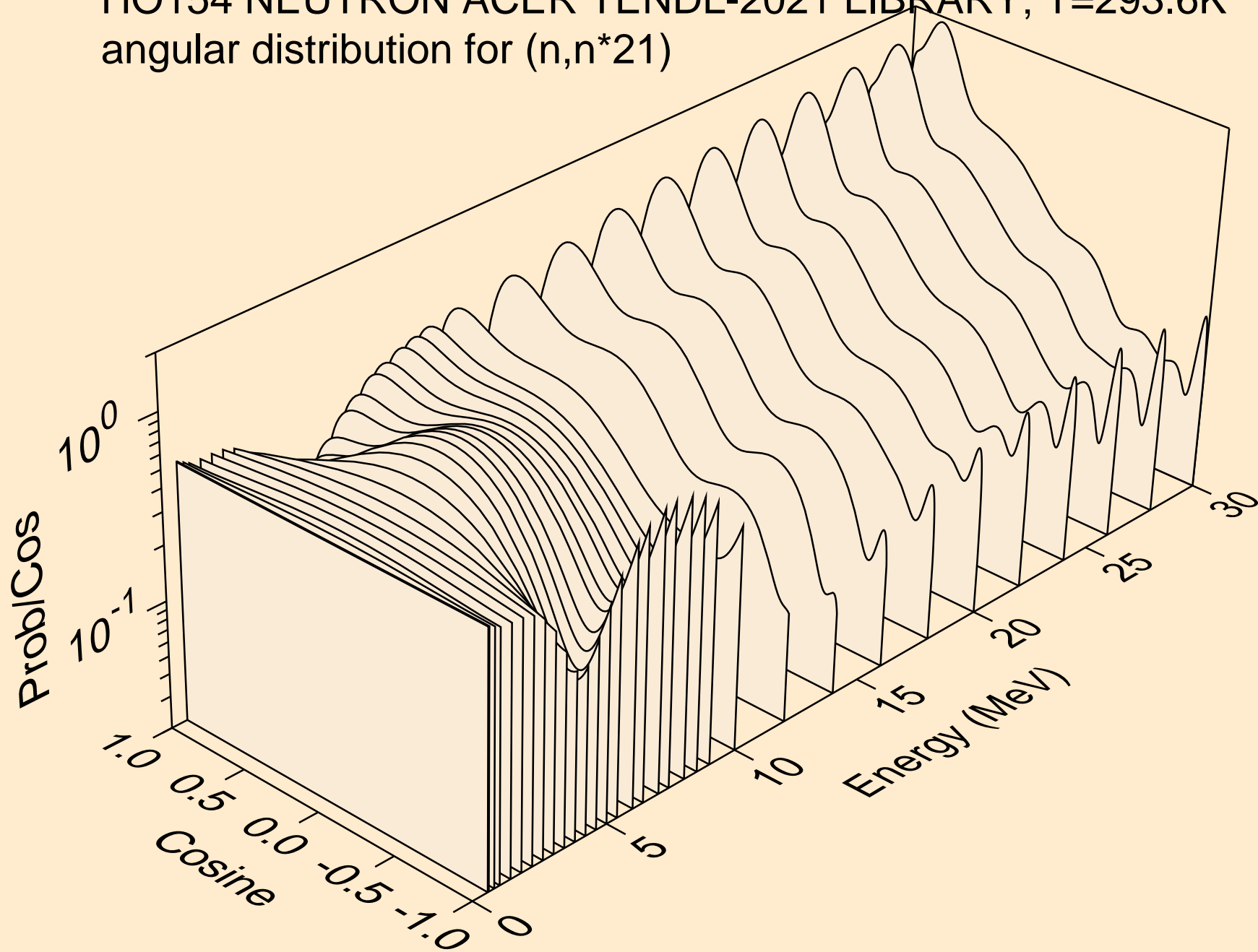
HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*19)



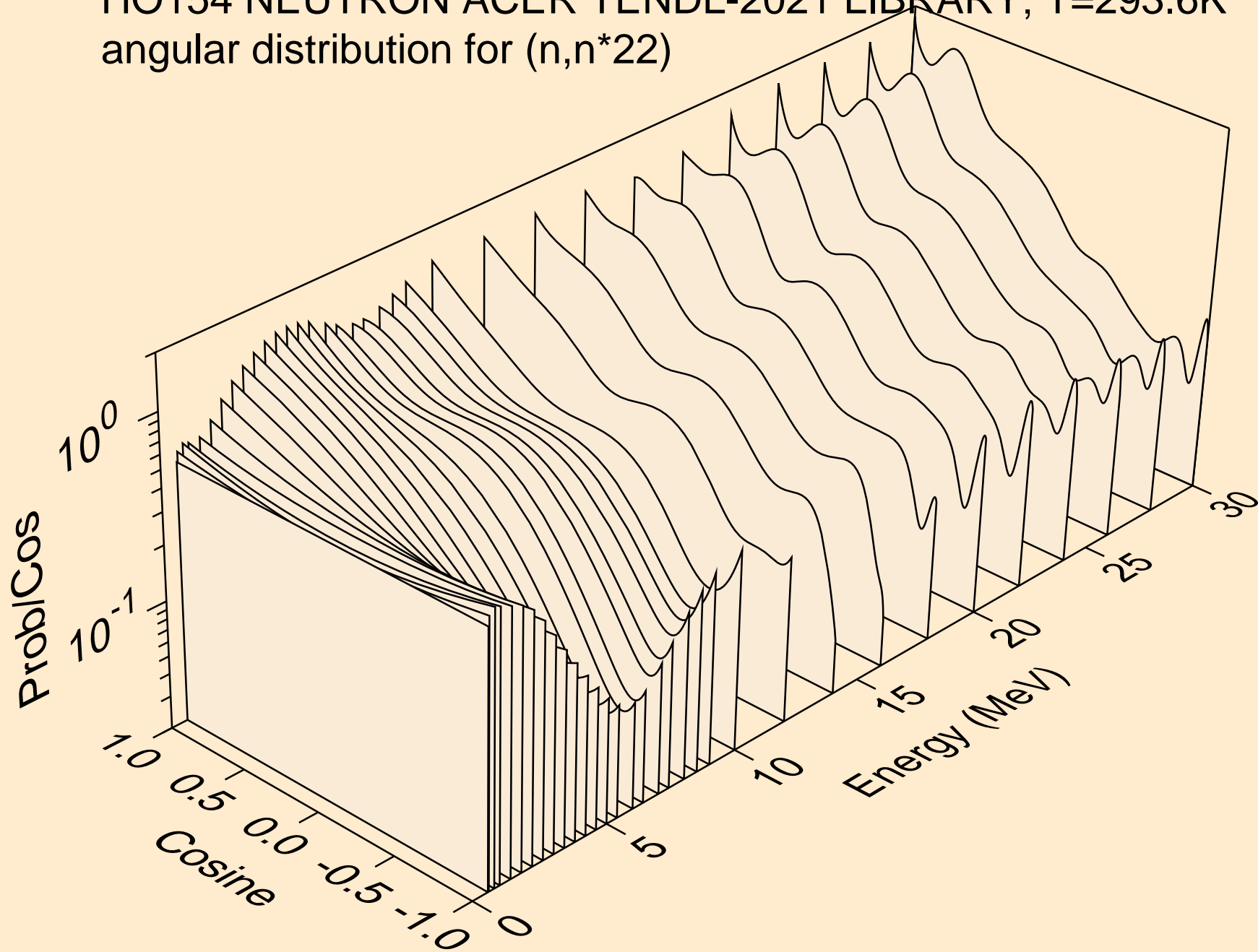
HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*20)



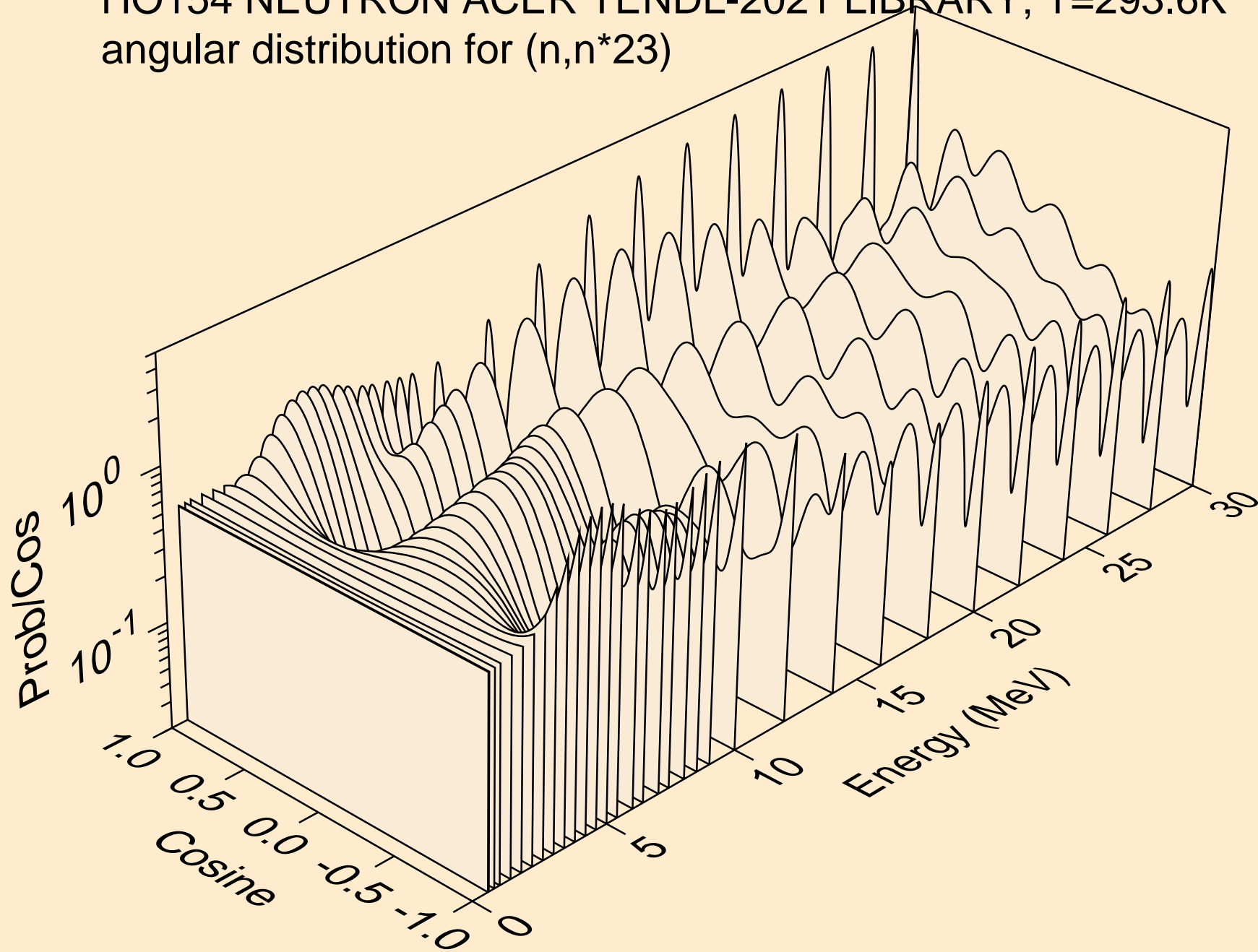
HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*21)



HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*22)

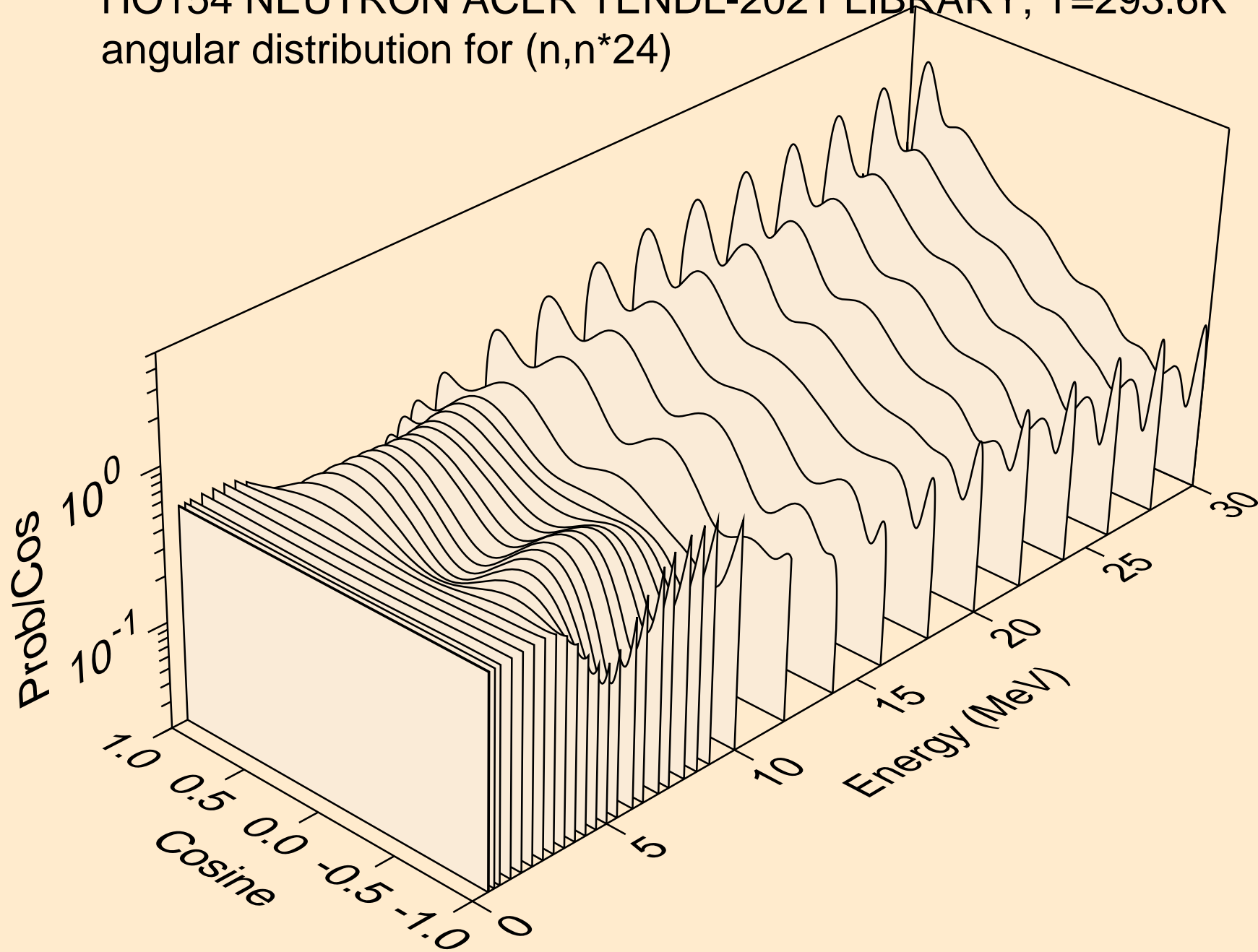


HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*23)

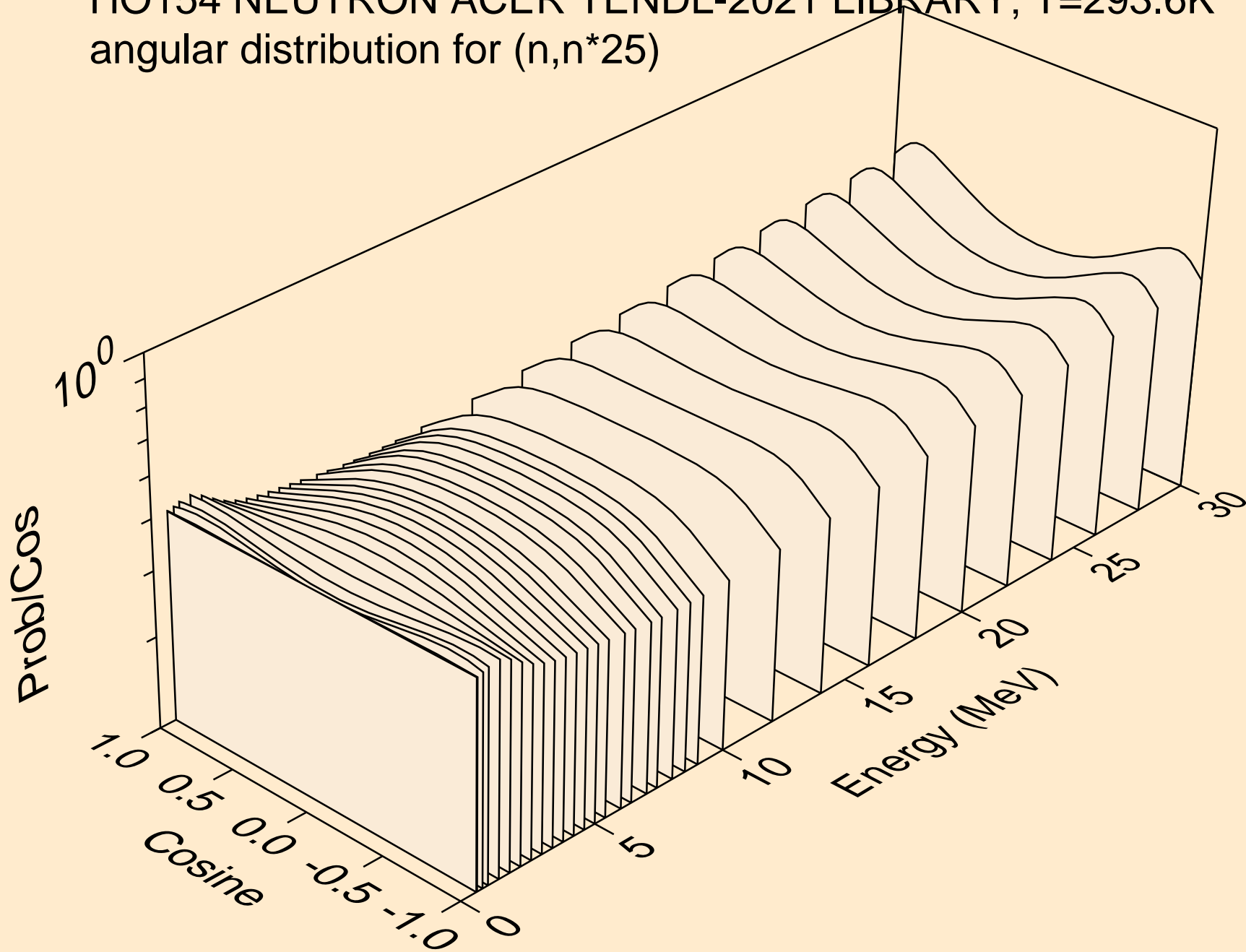




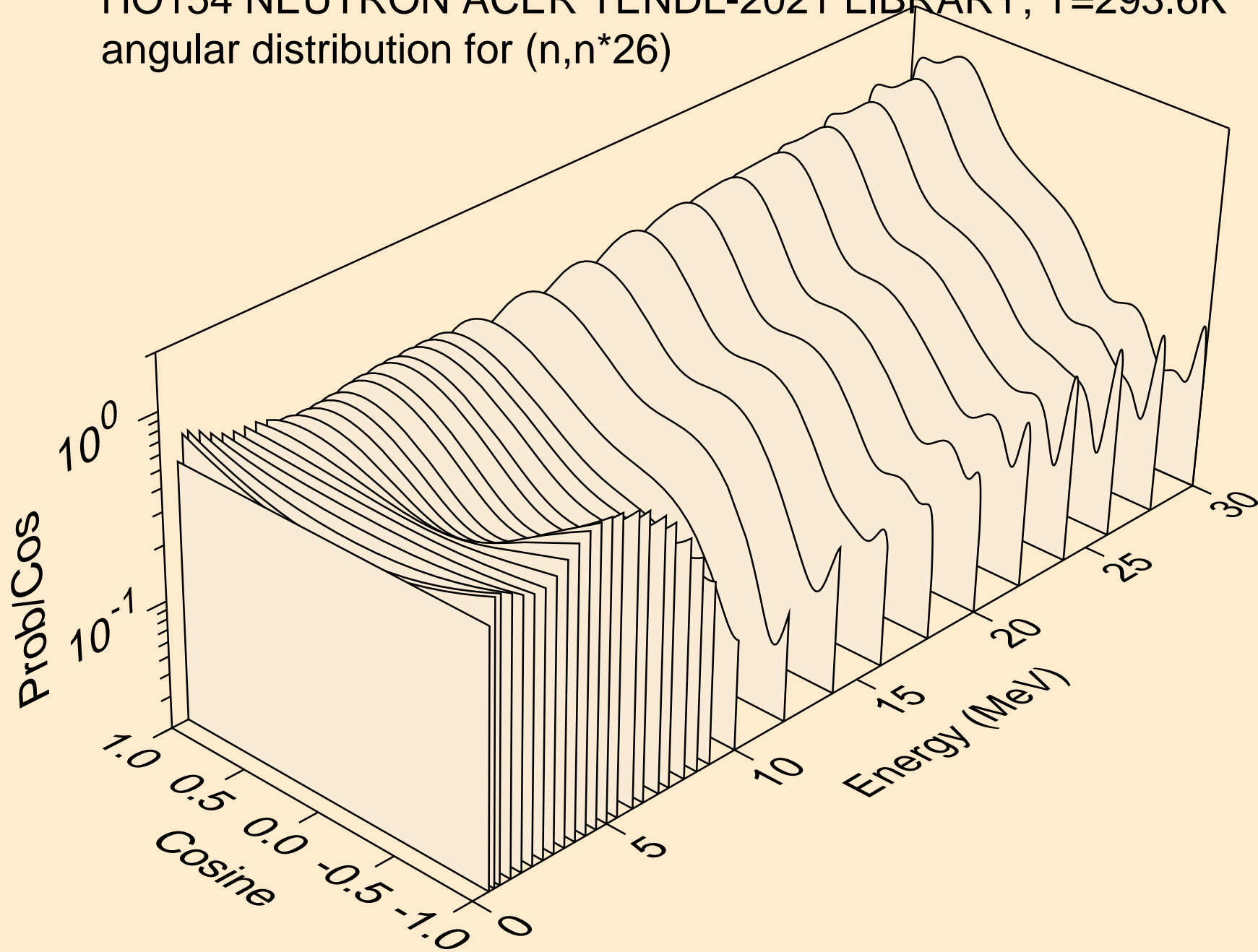
HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*24)



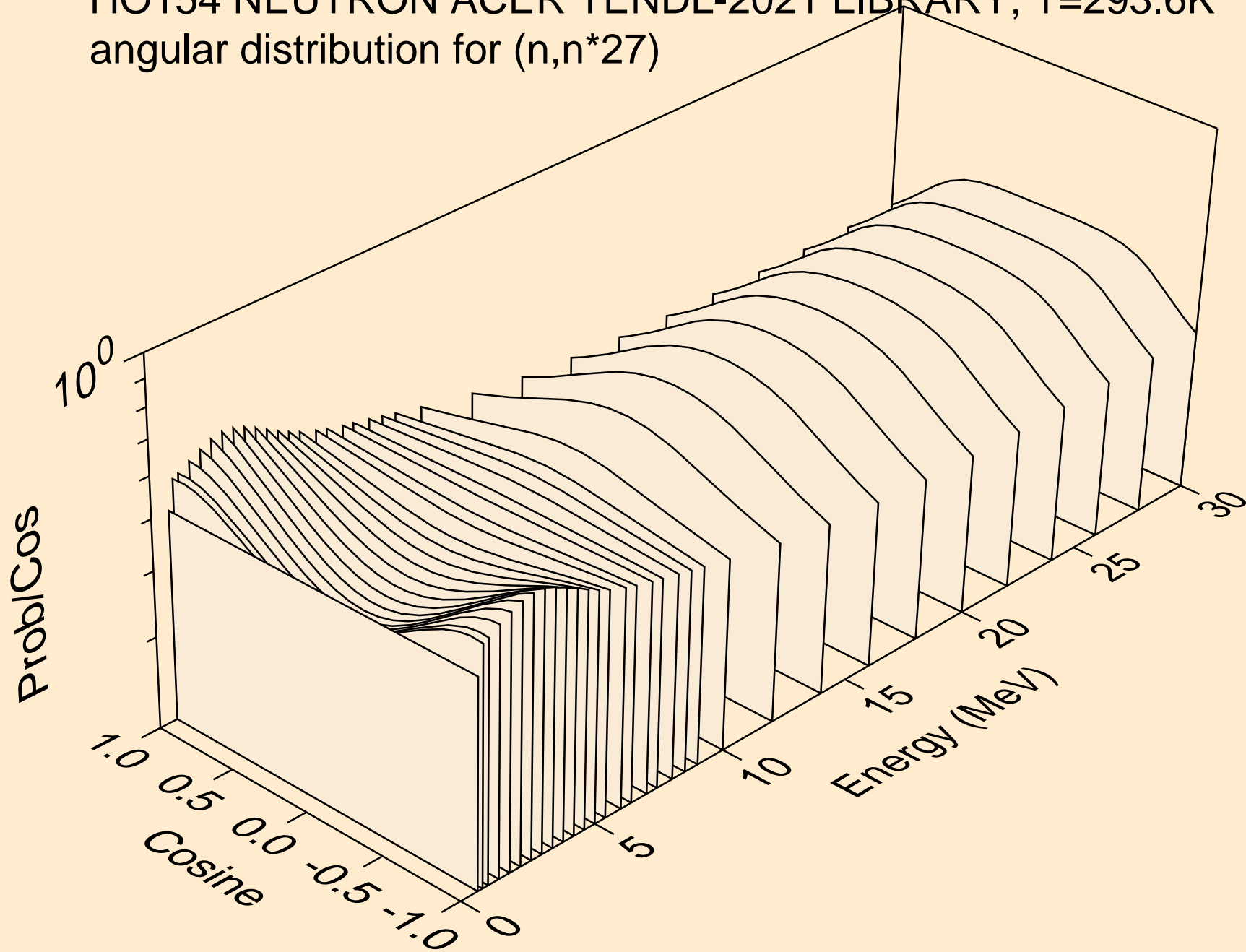
HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*25)



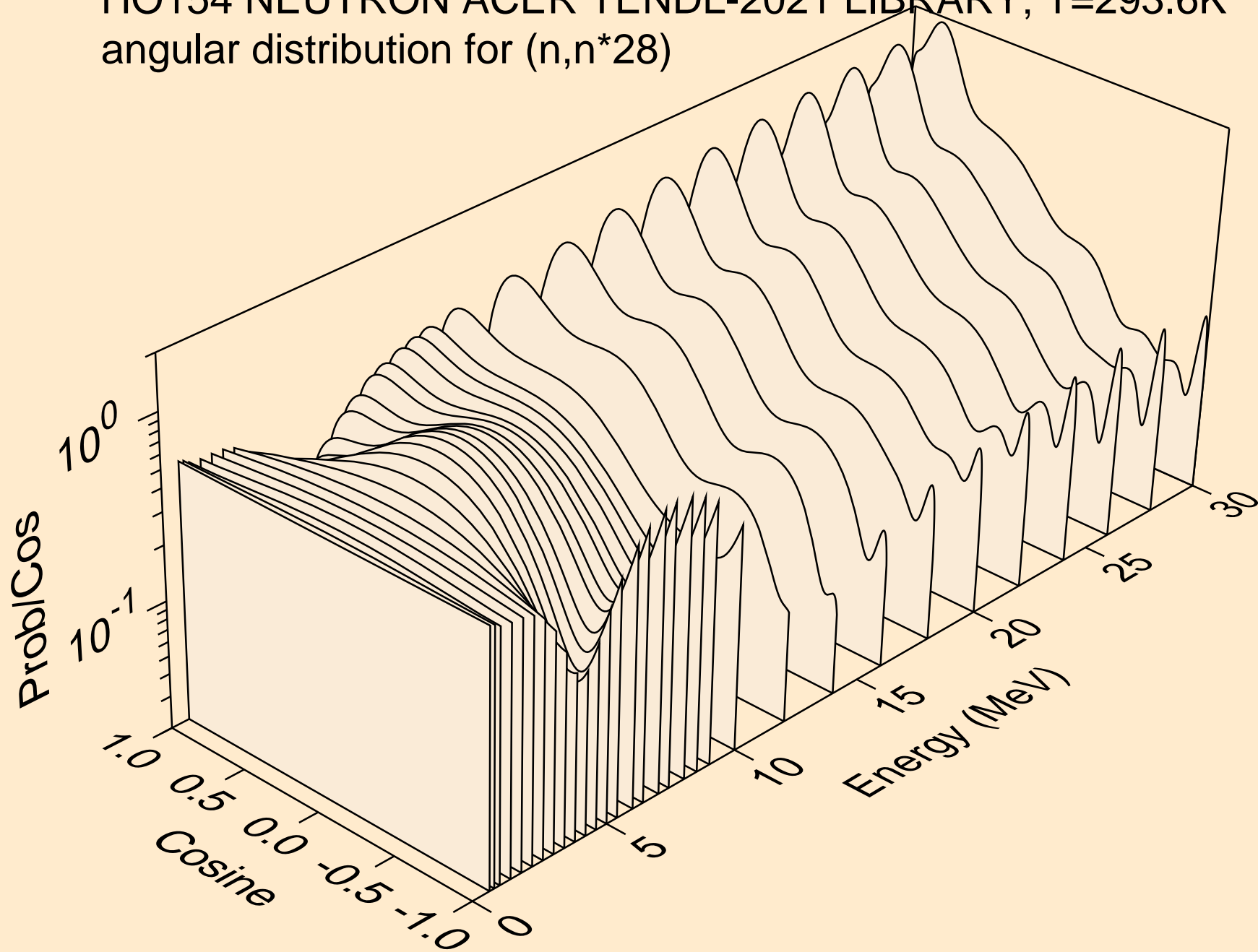
HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*26)



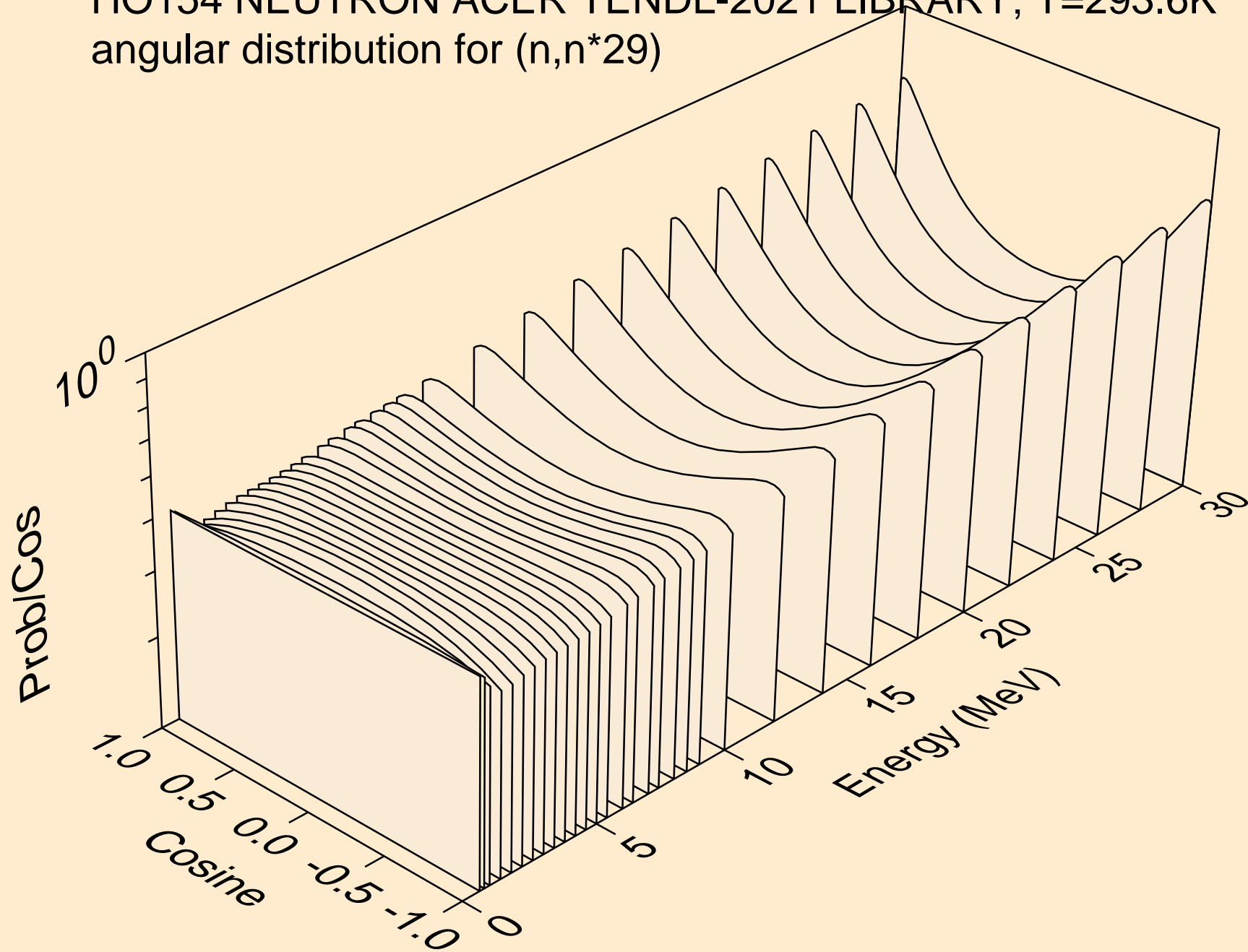
HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*27)



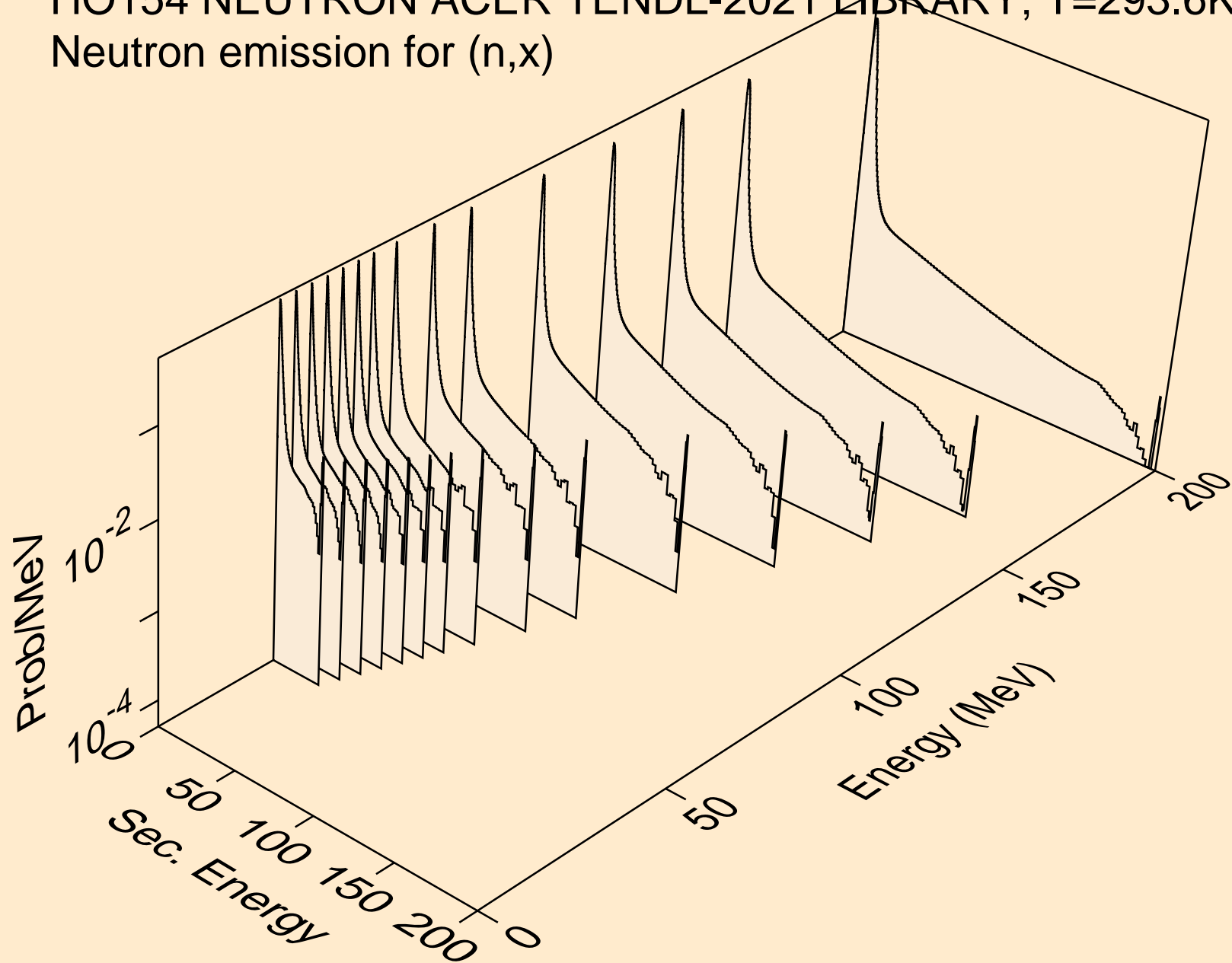
HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*28)



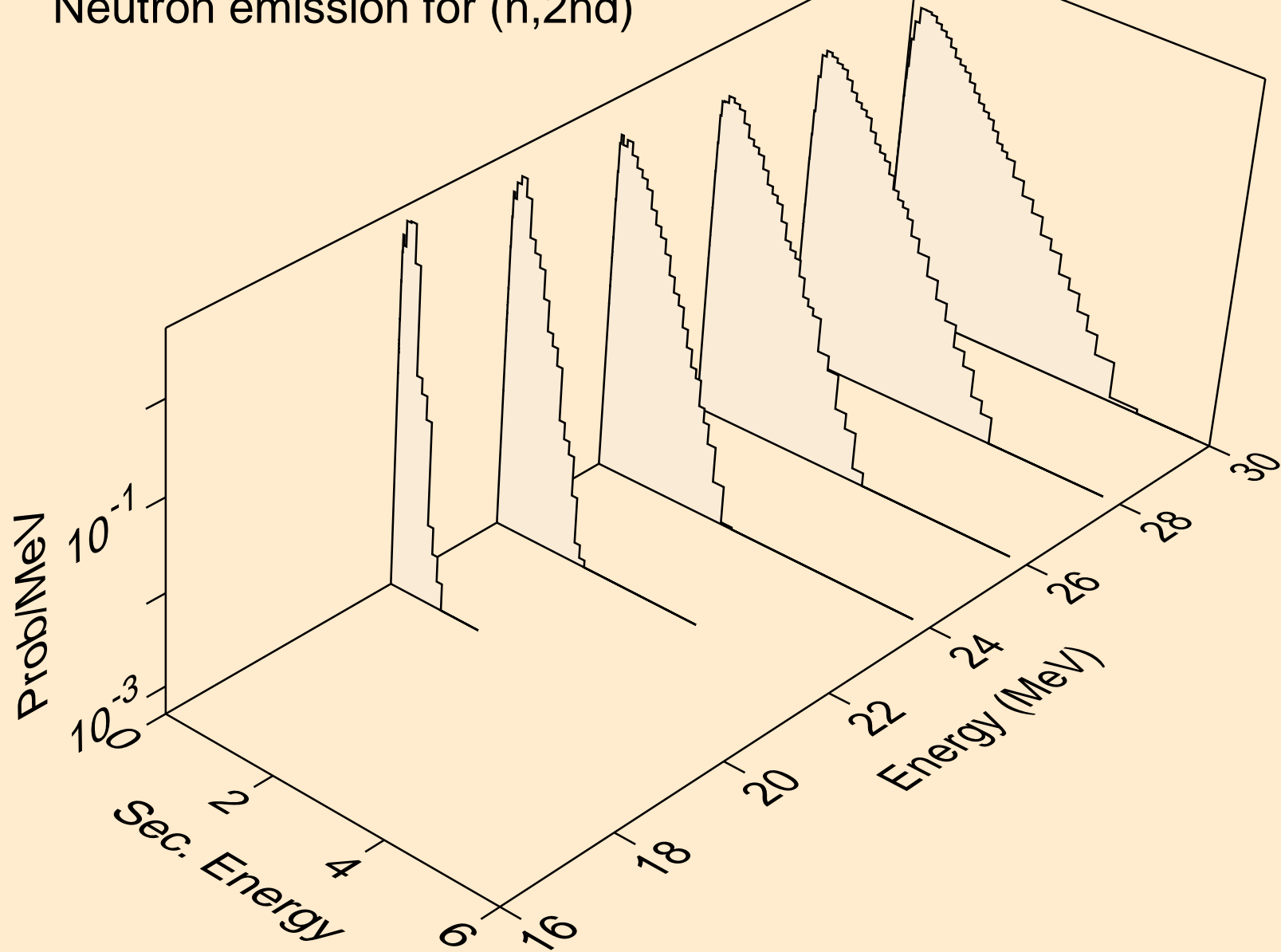
HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*29)



HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,x)

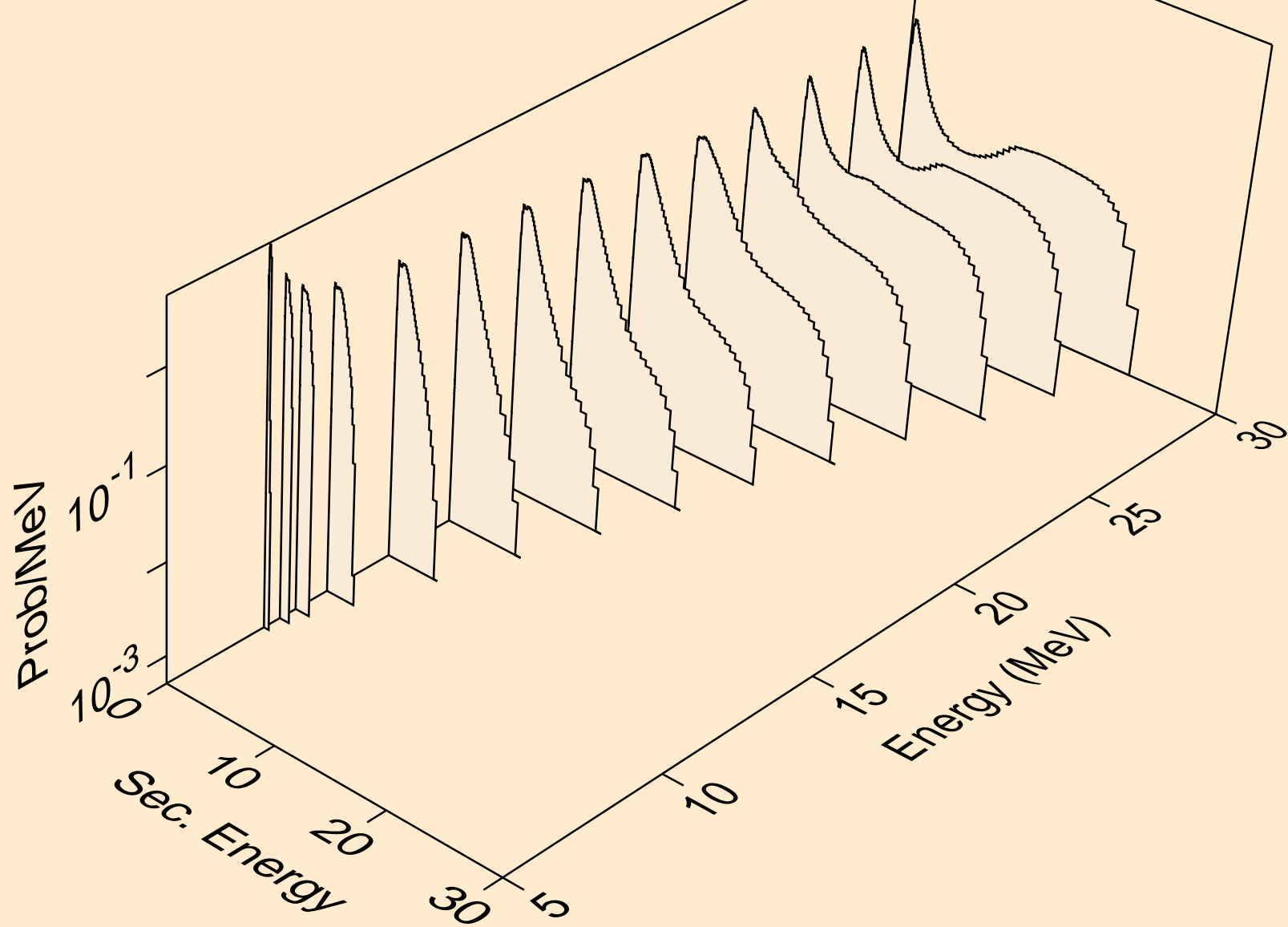


HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2nd)

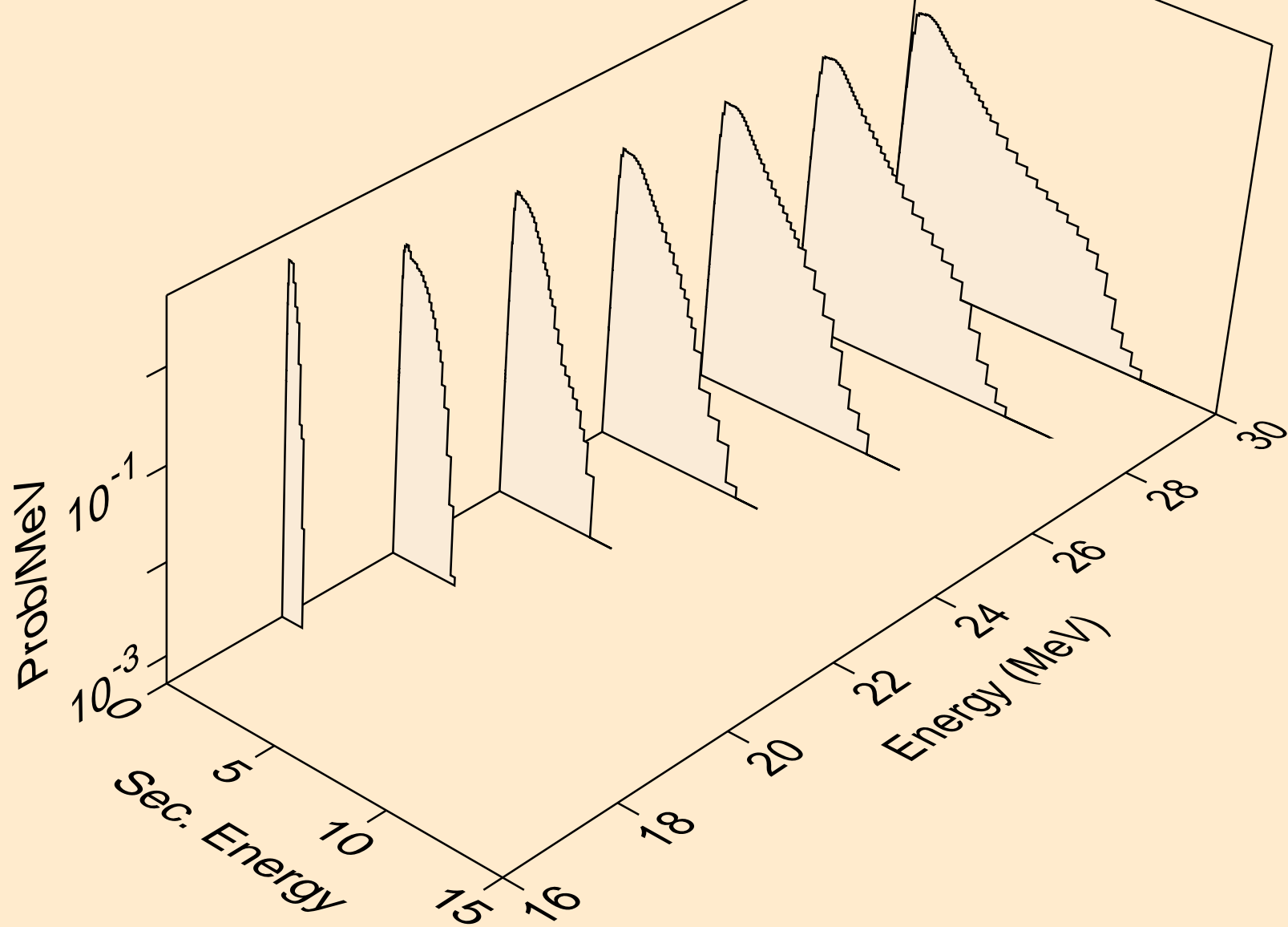




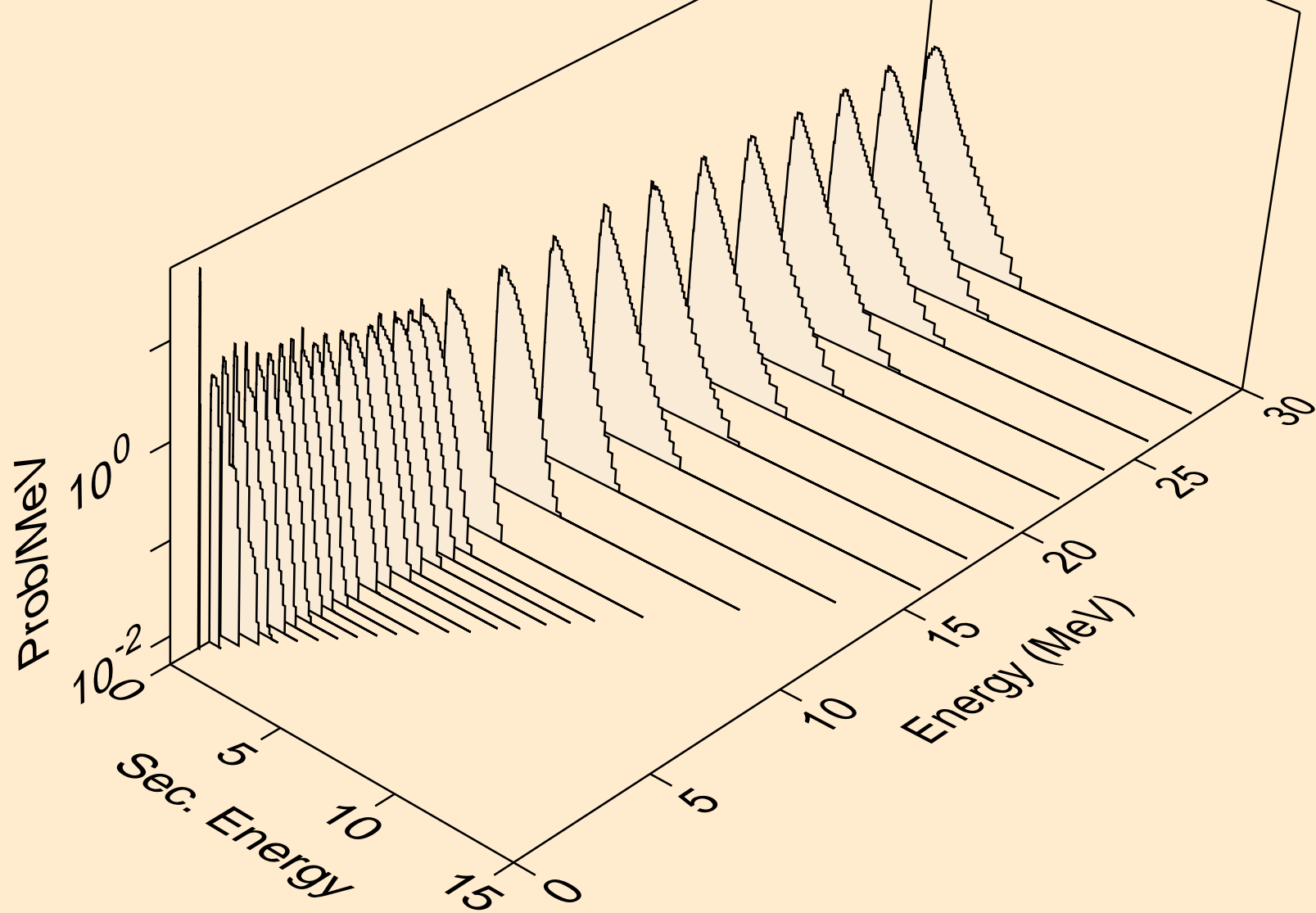
HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)



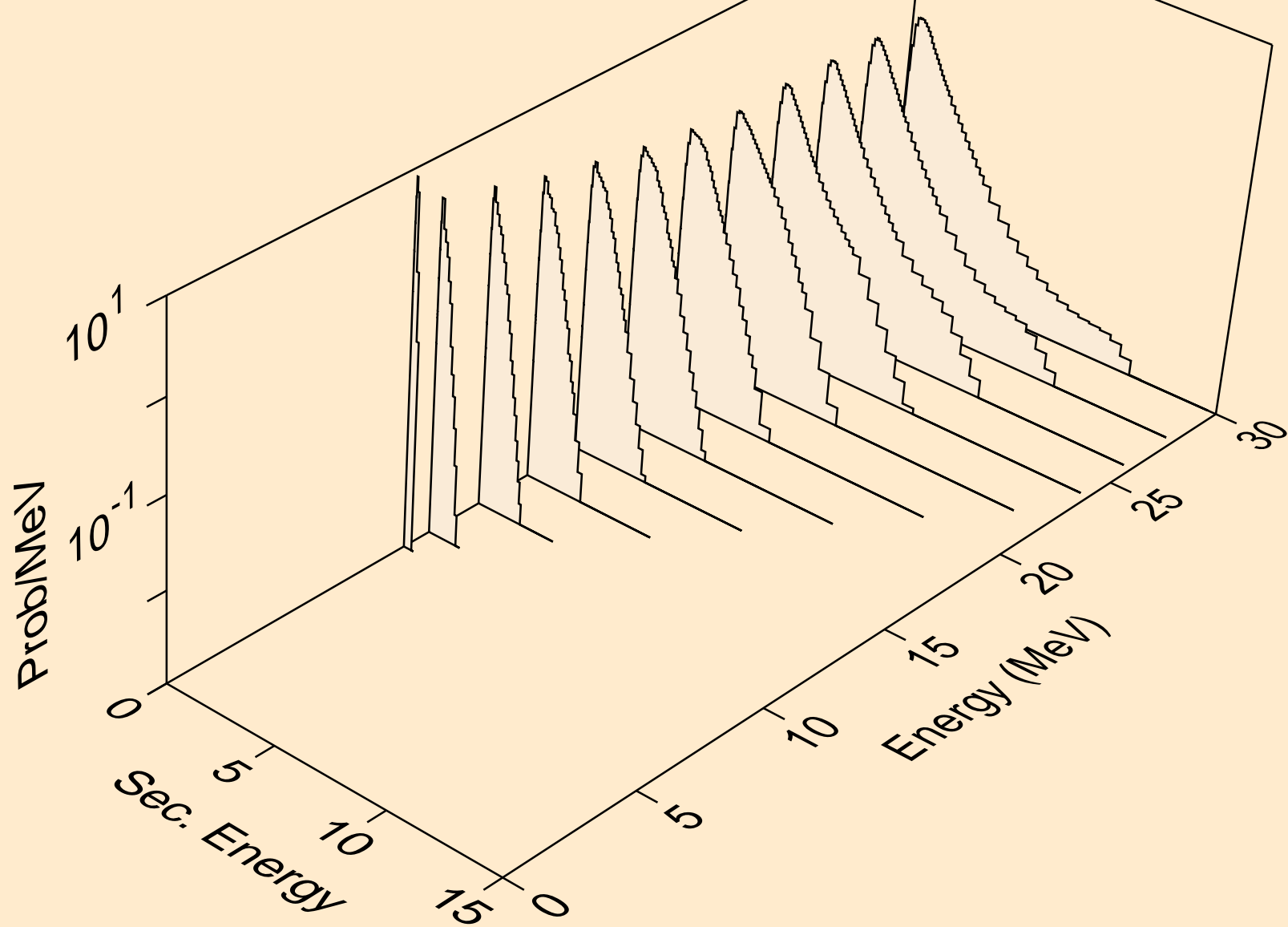
HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3n)



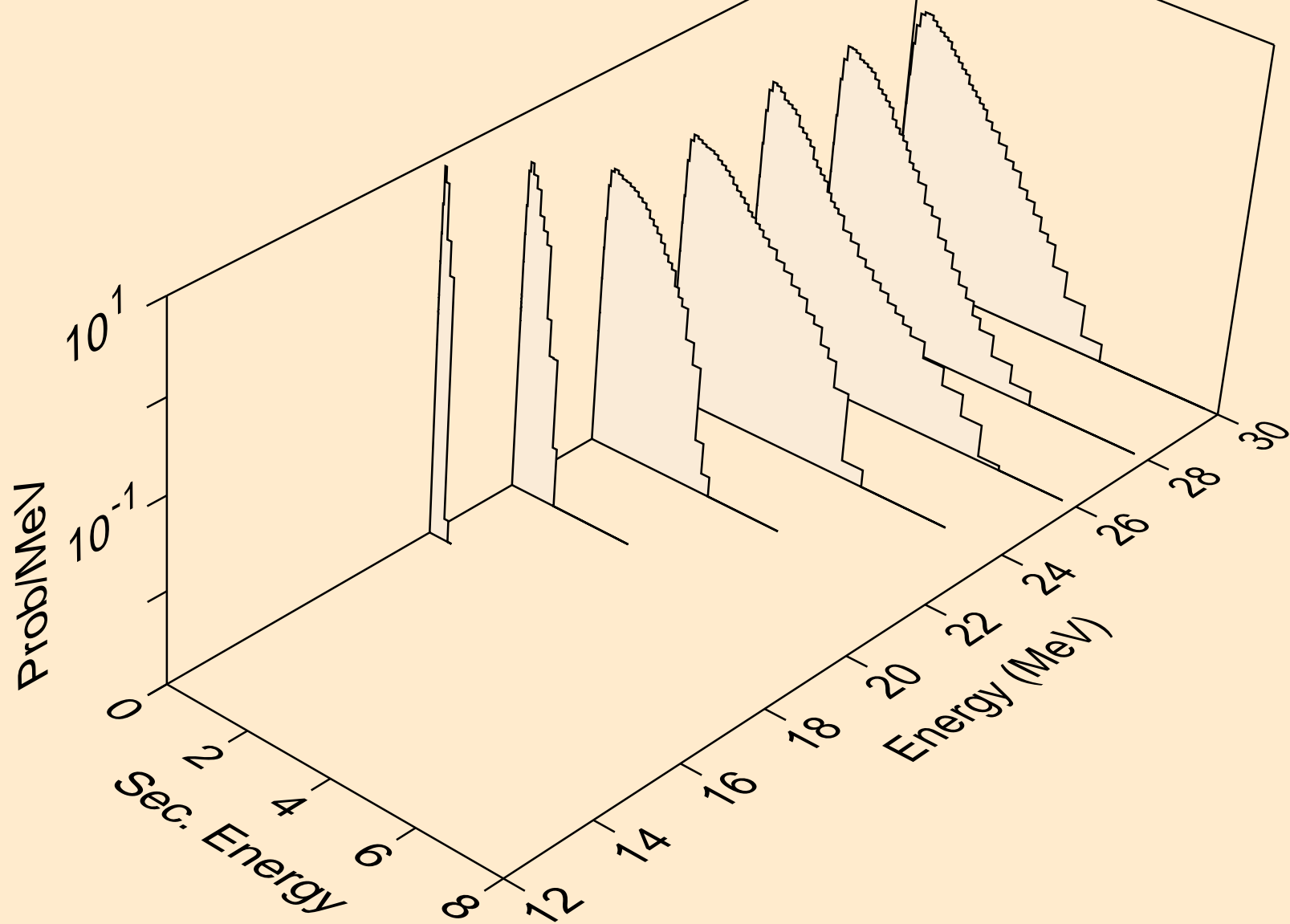
HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)a



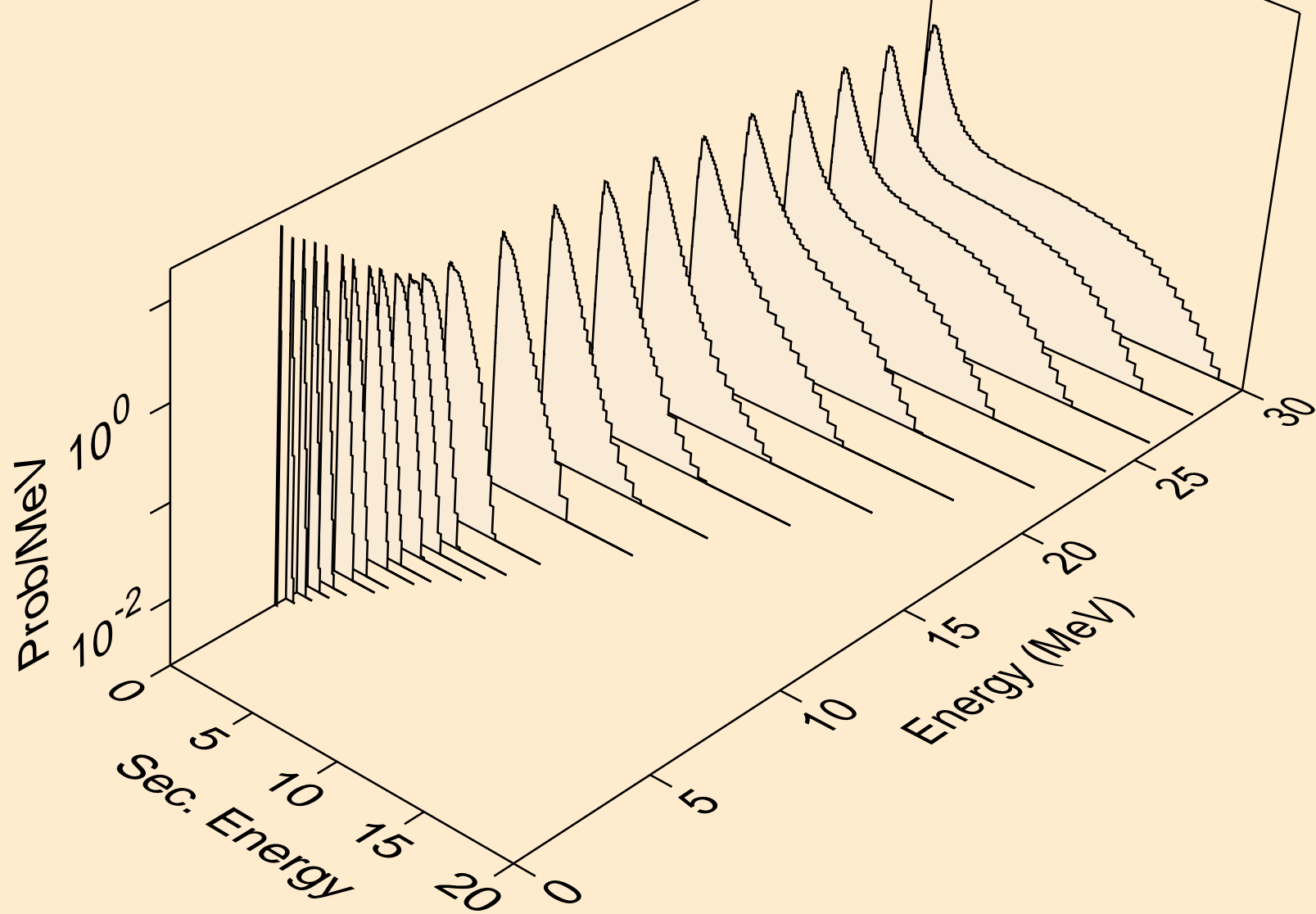
HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)a



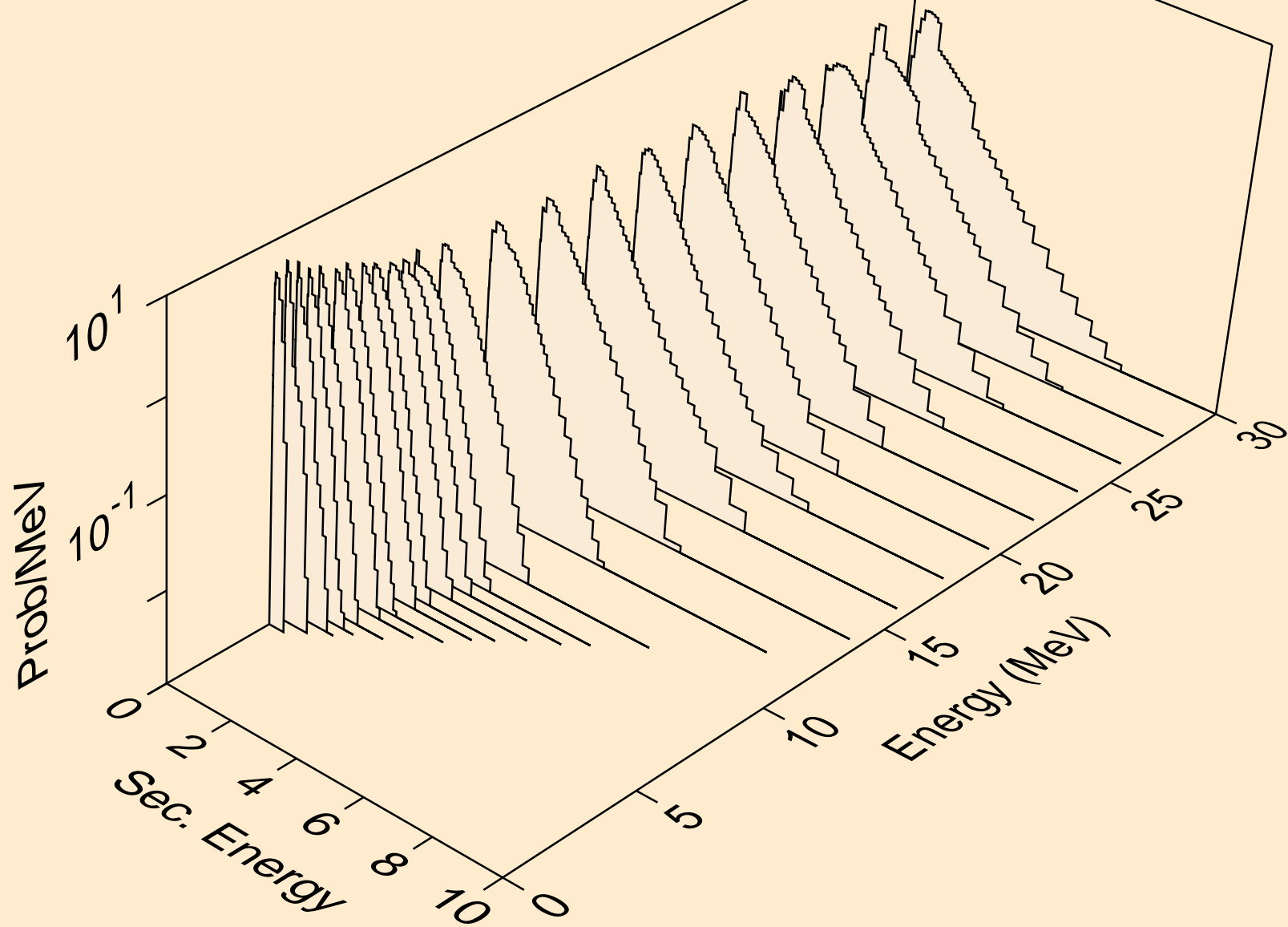
HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3n)a



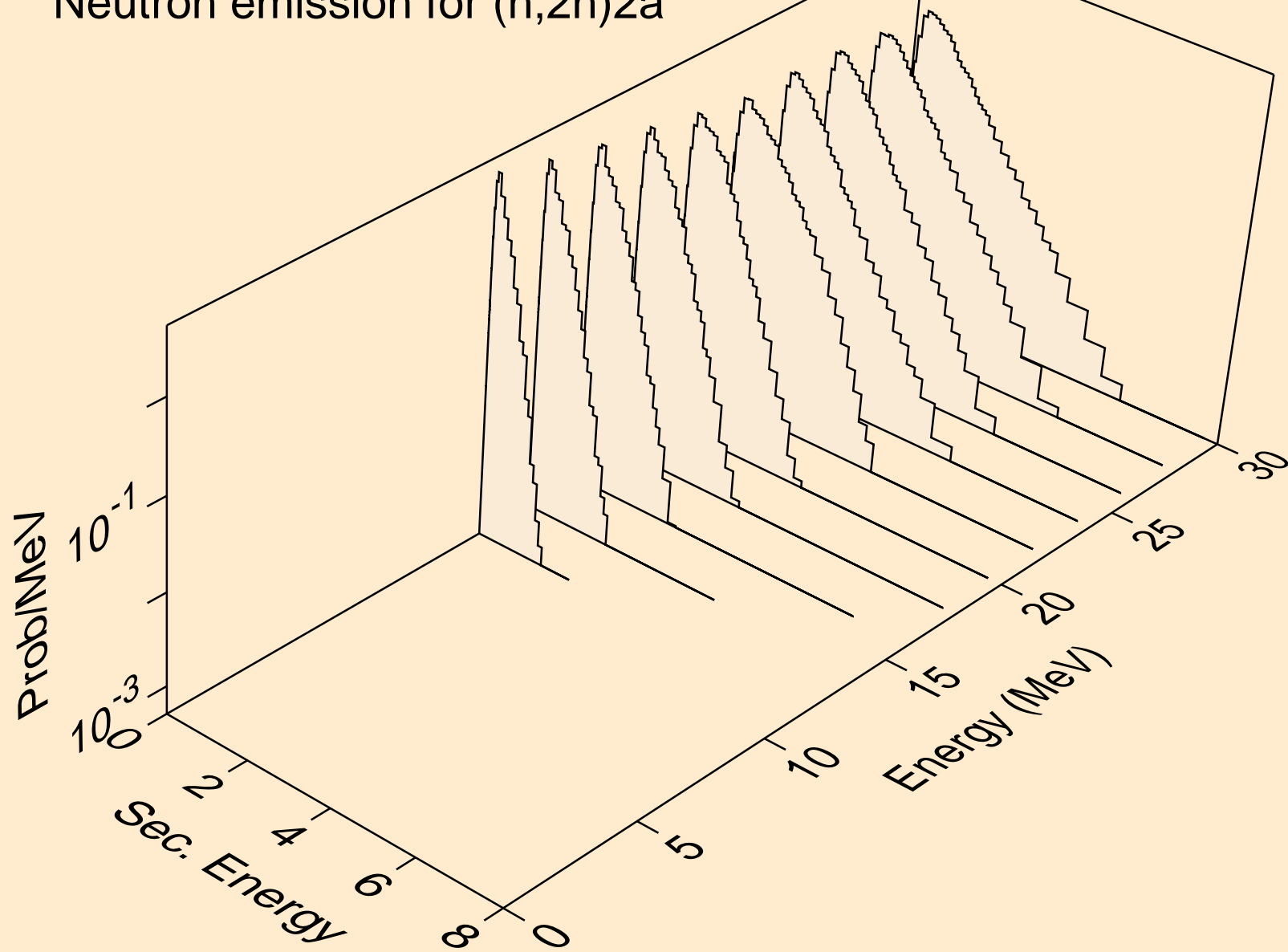
HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)p



HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)2a

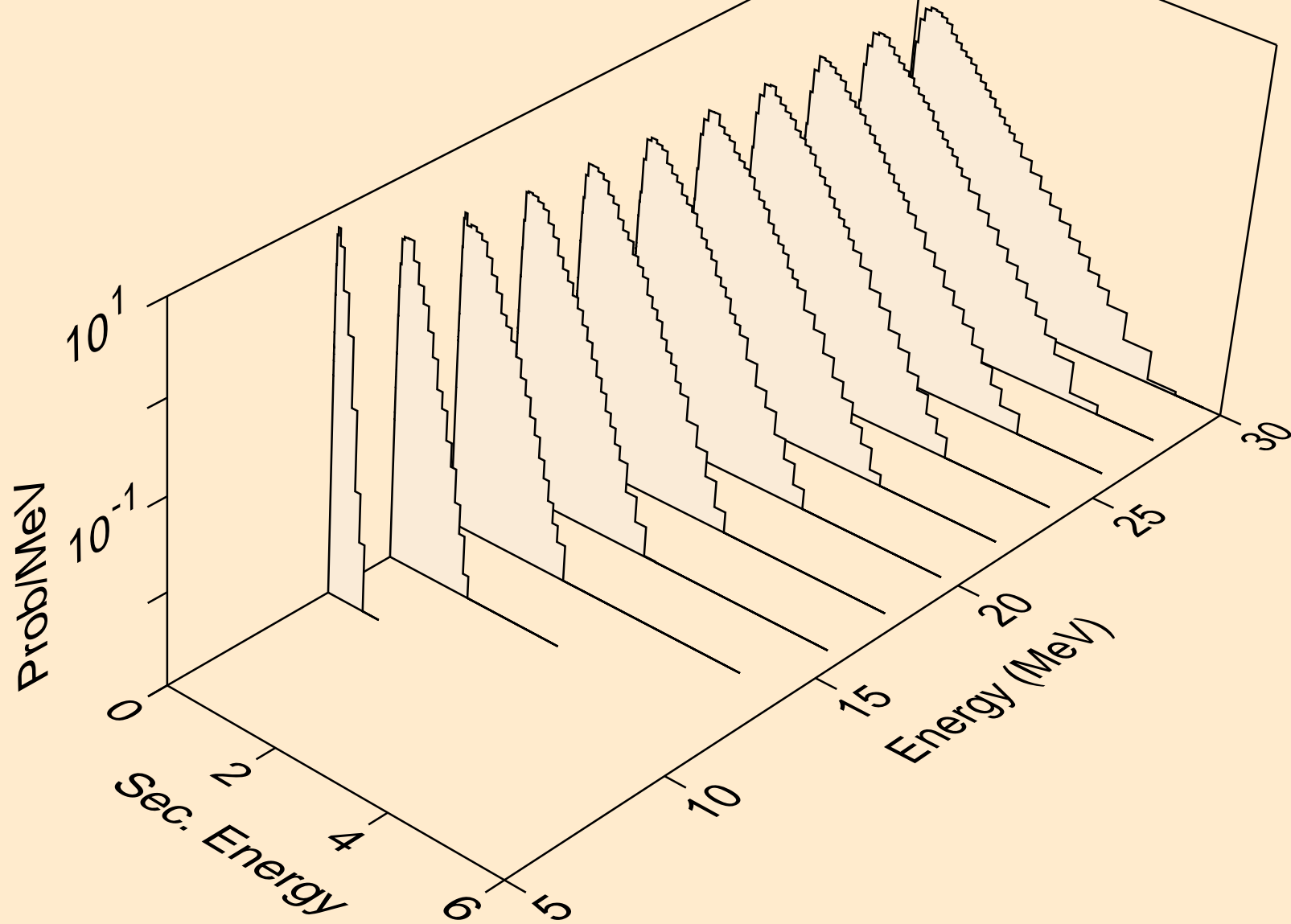


HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)2a

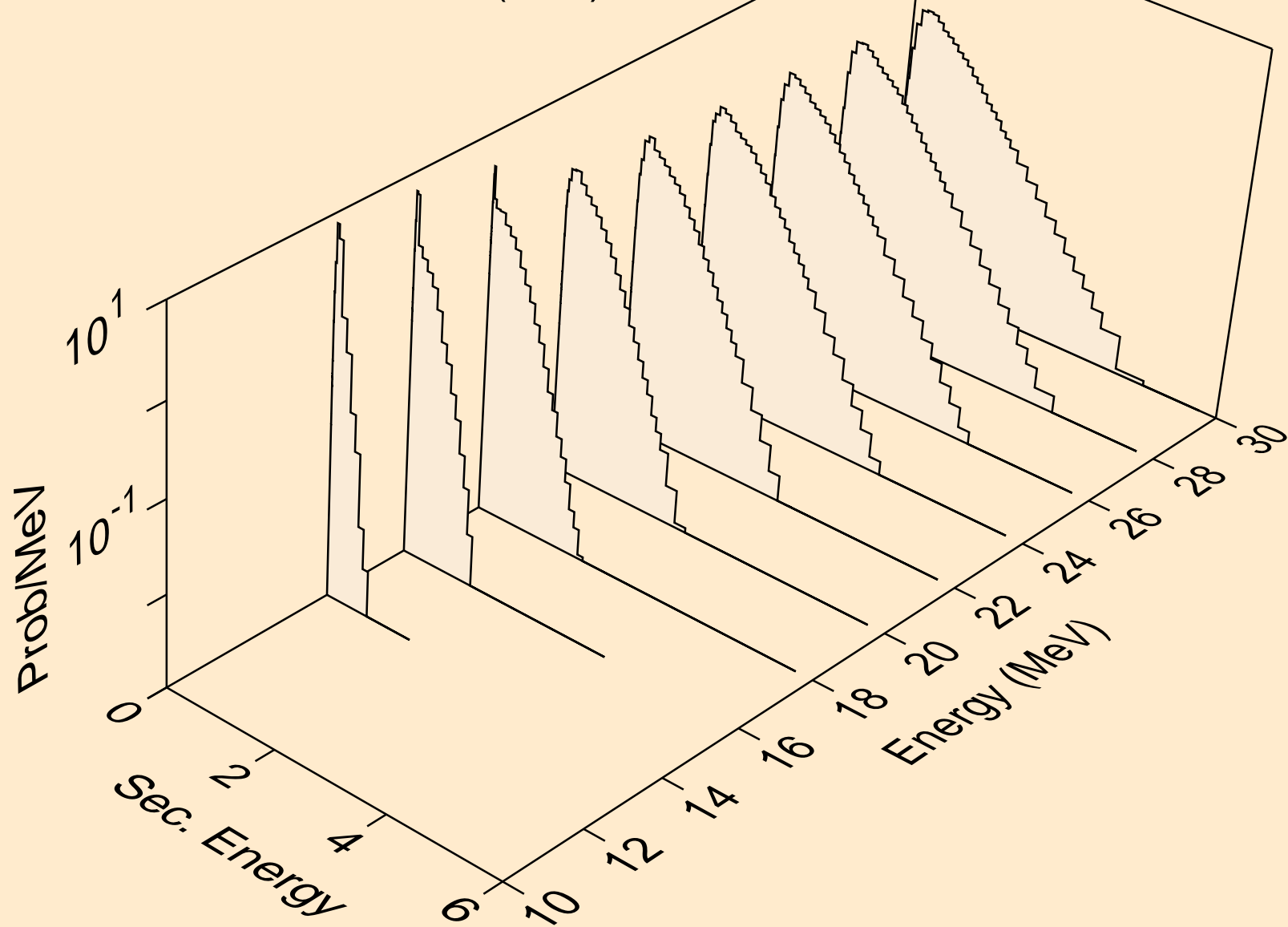




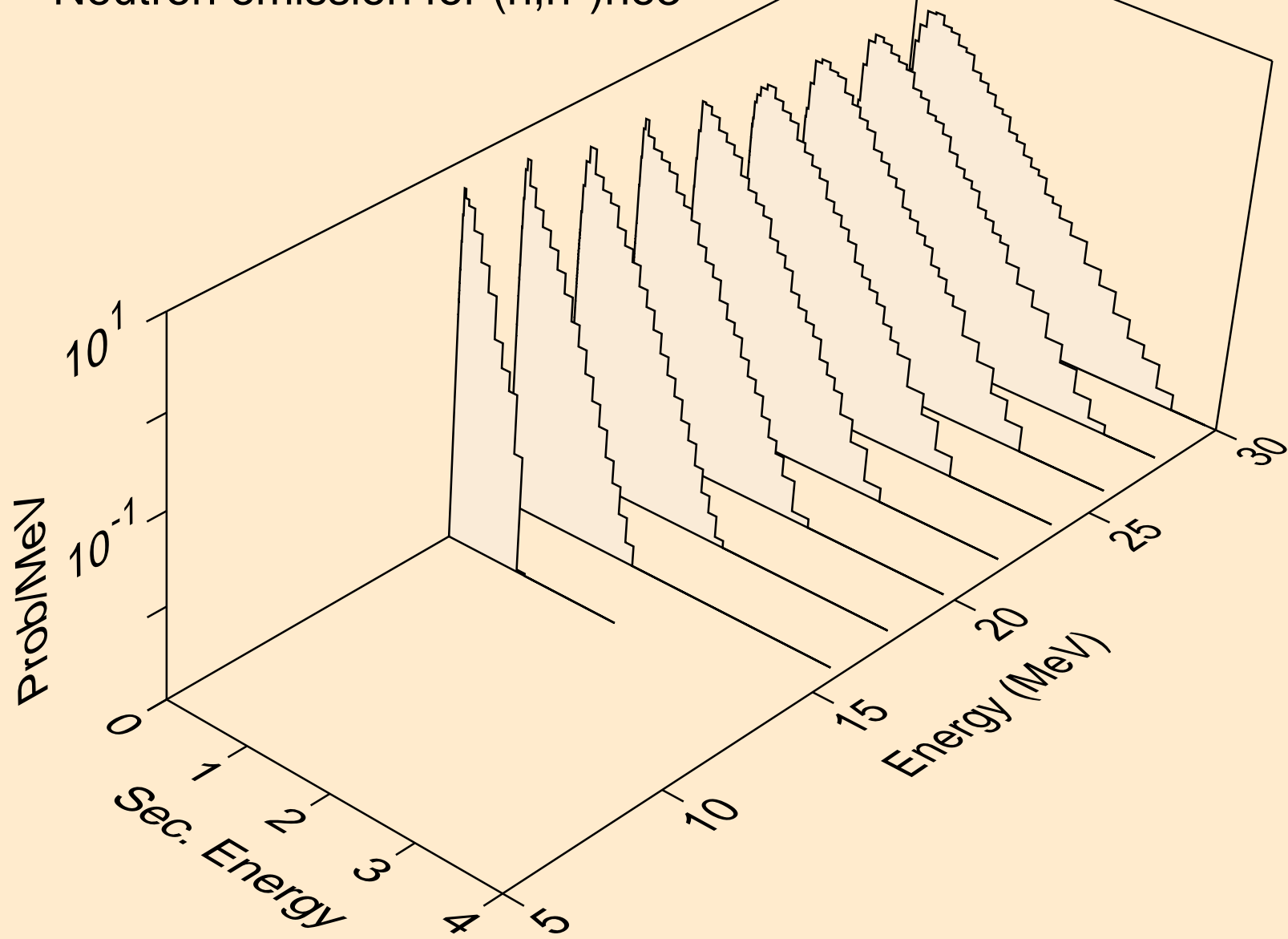
HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)d



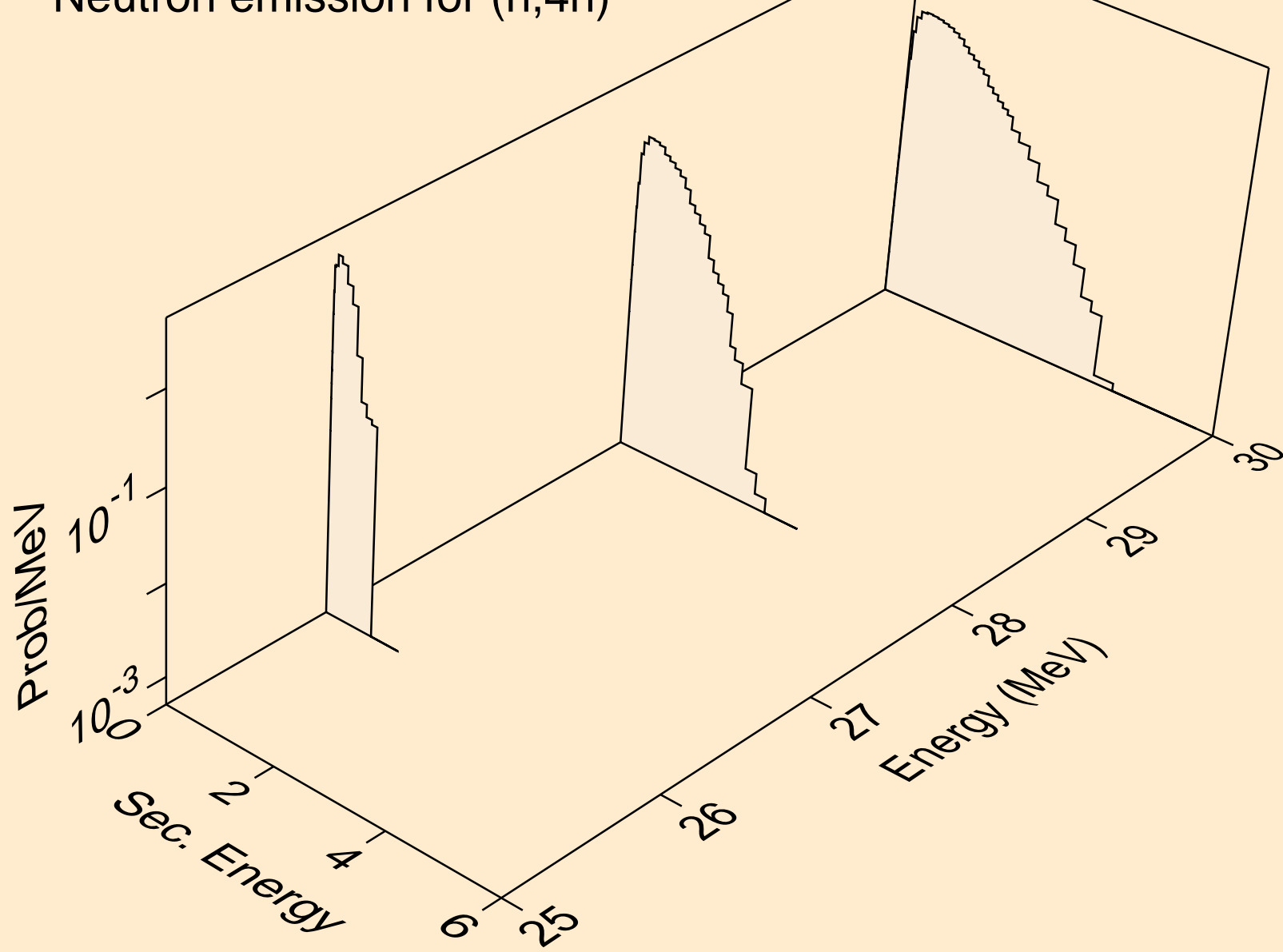
HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)t



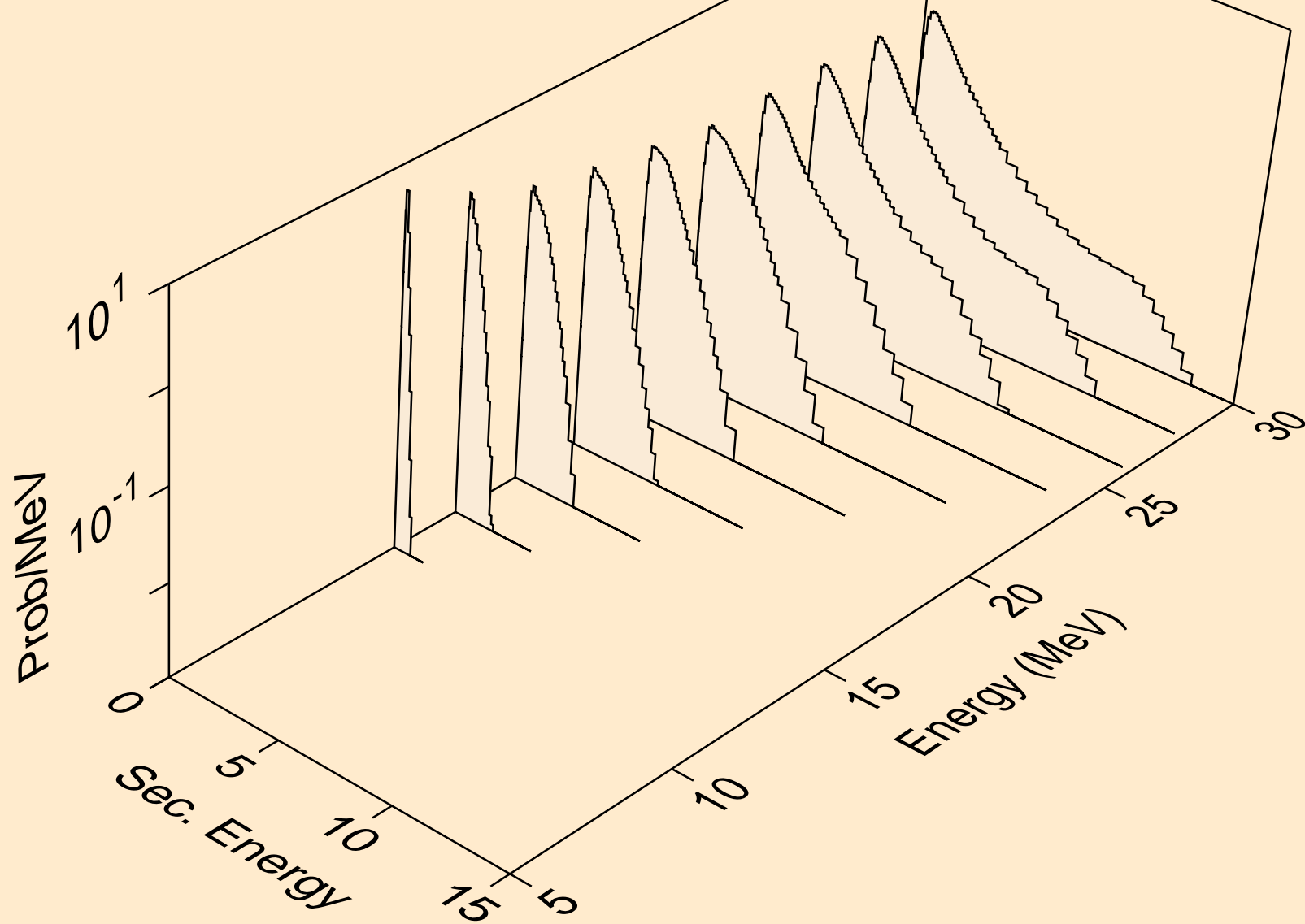
HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)he3



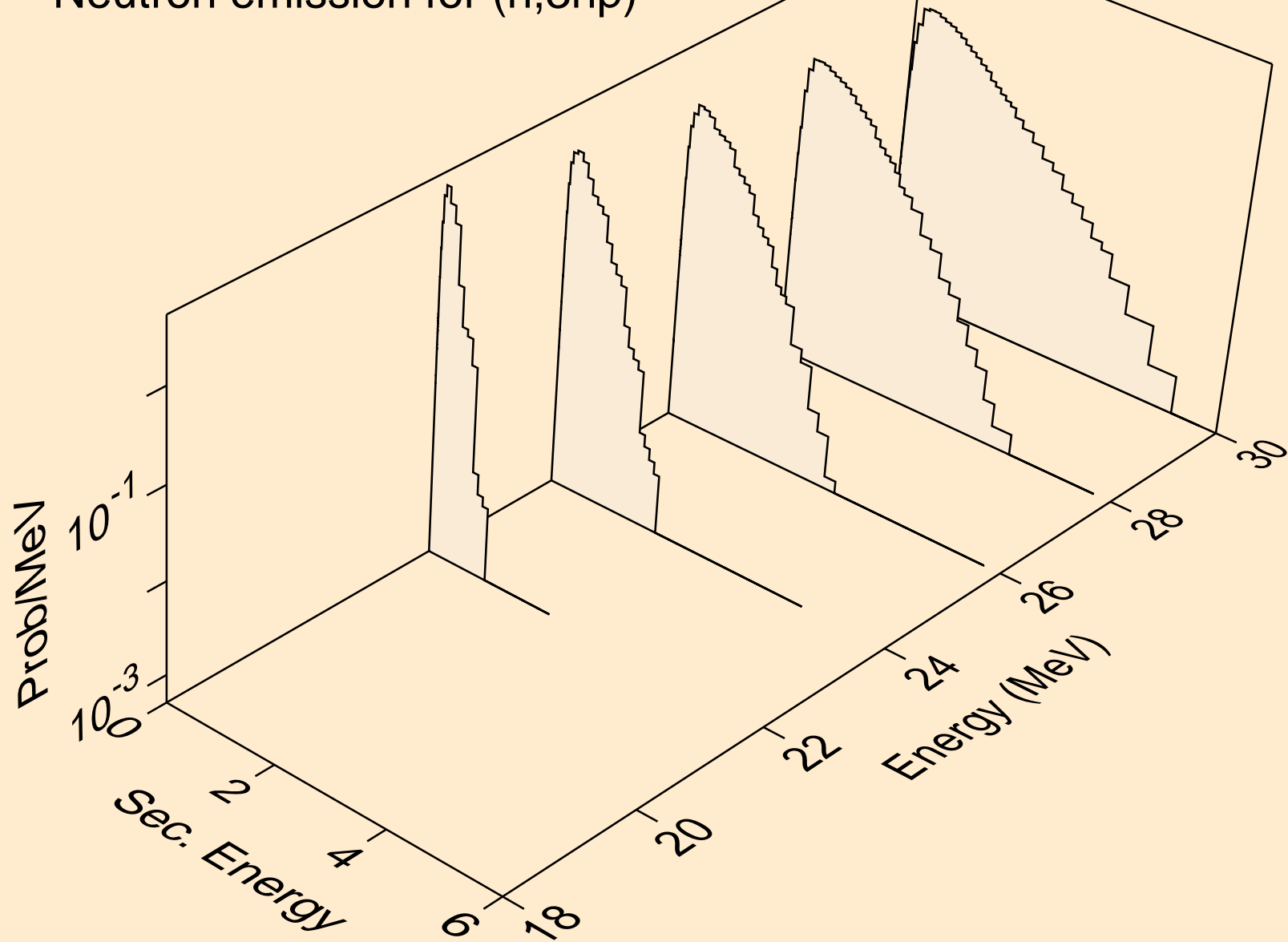
HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,4n)



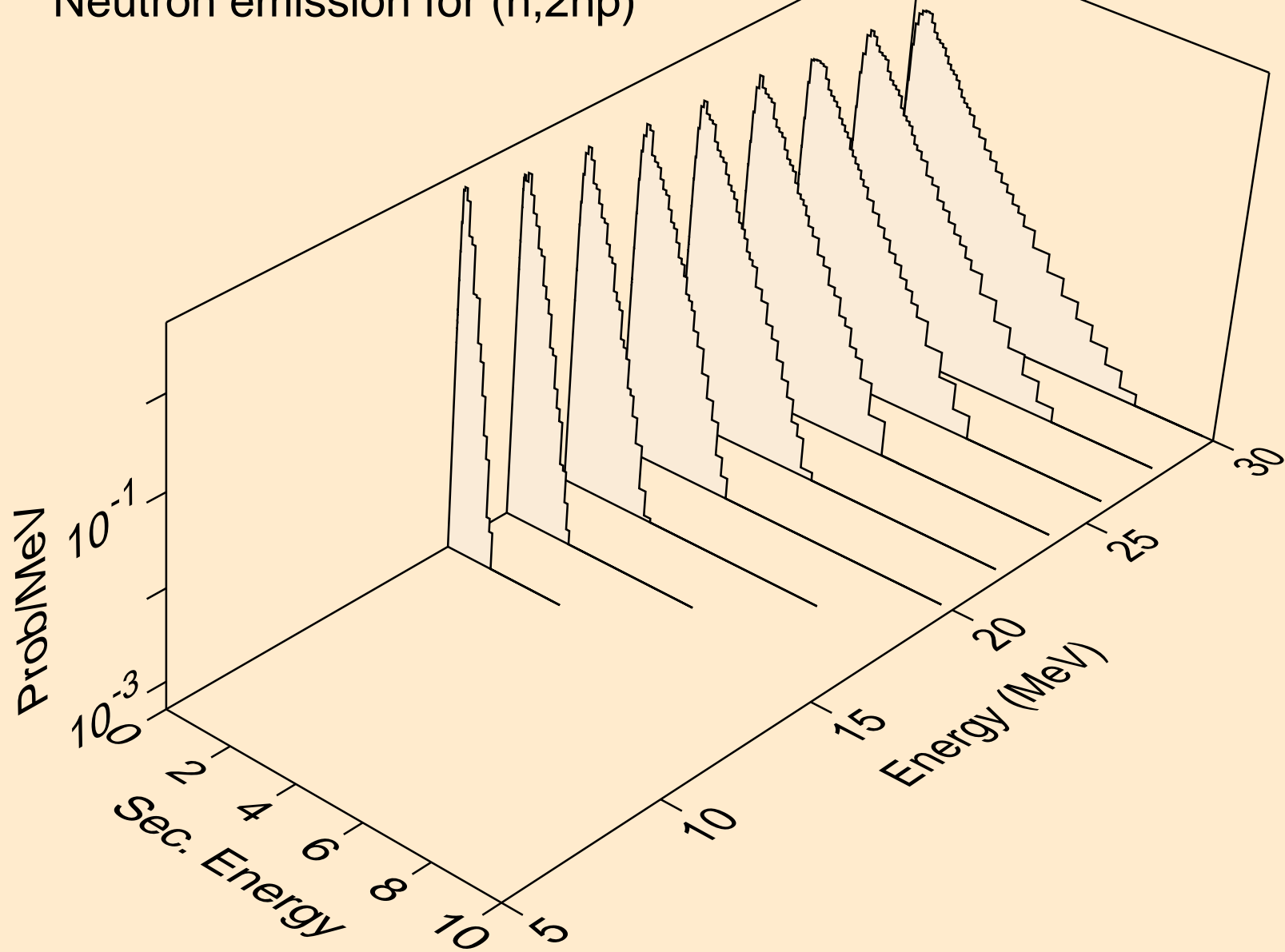
HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2np)



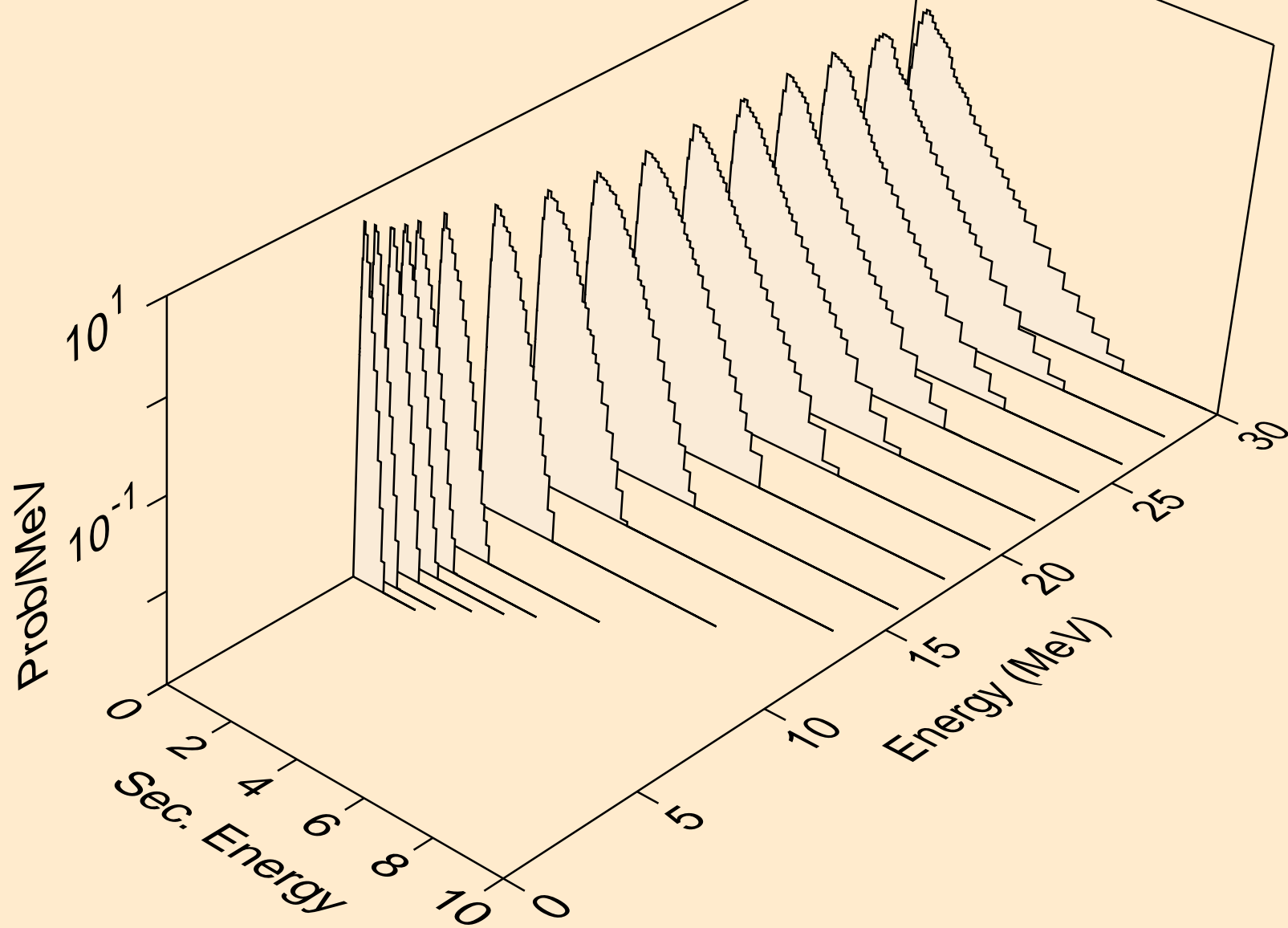
HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3np)



HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2np)

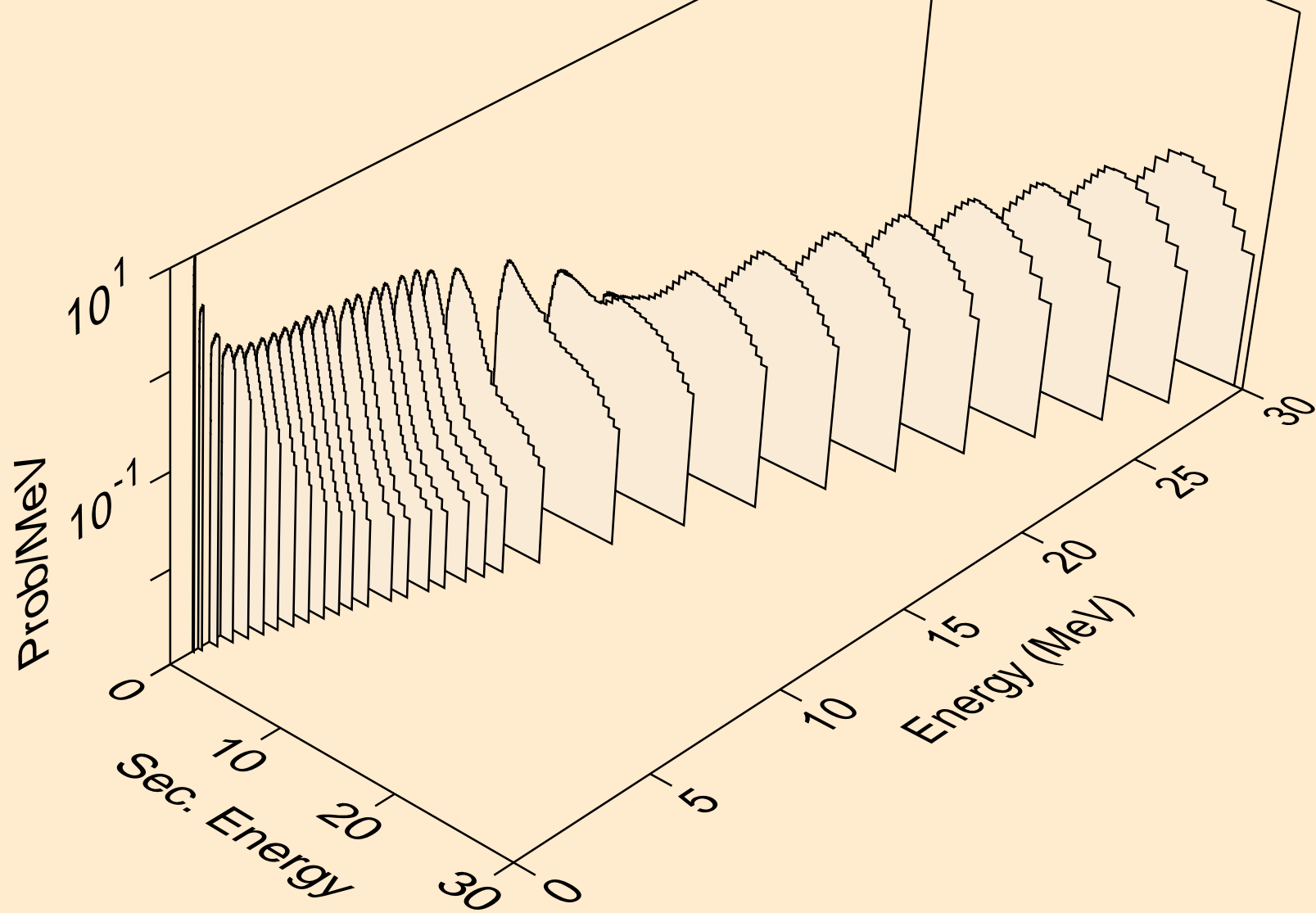


HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,npa)

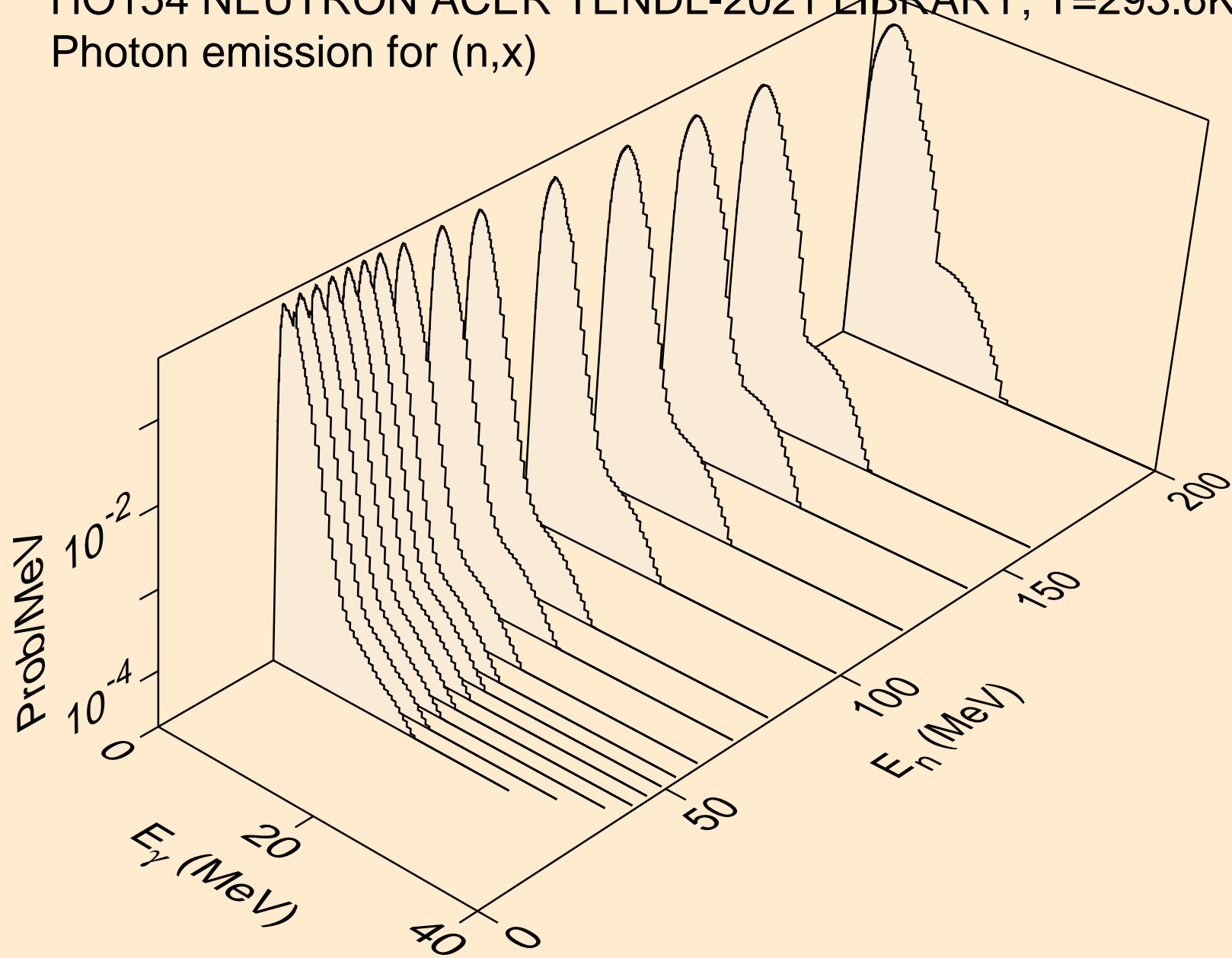




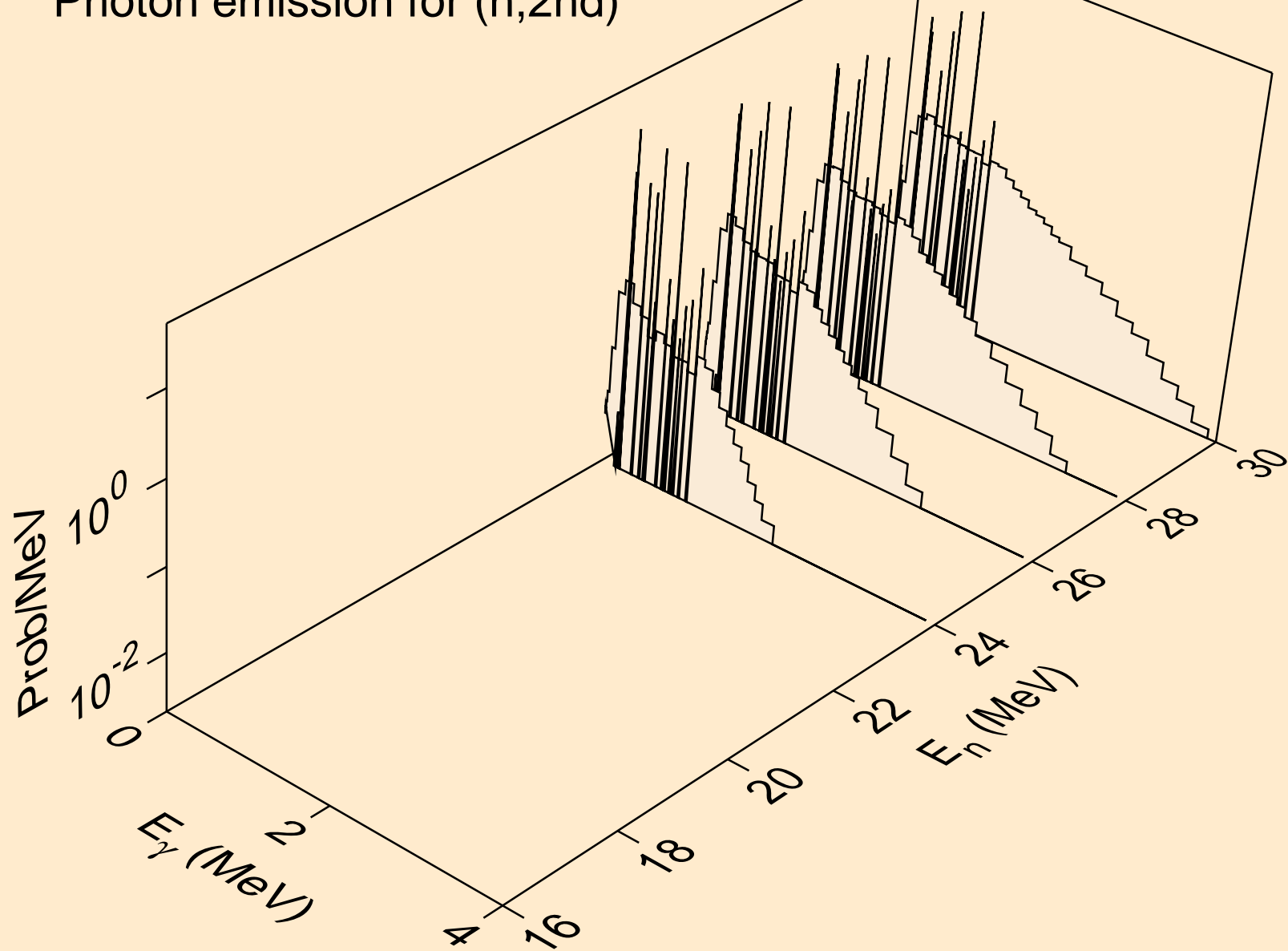
HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*c)



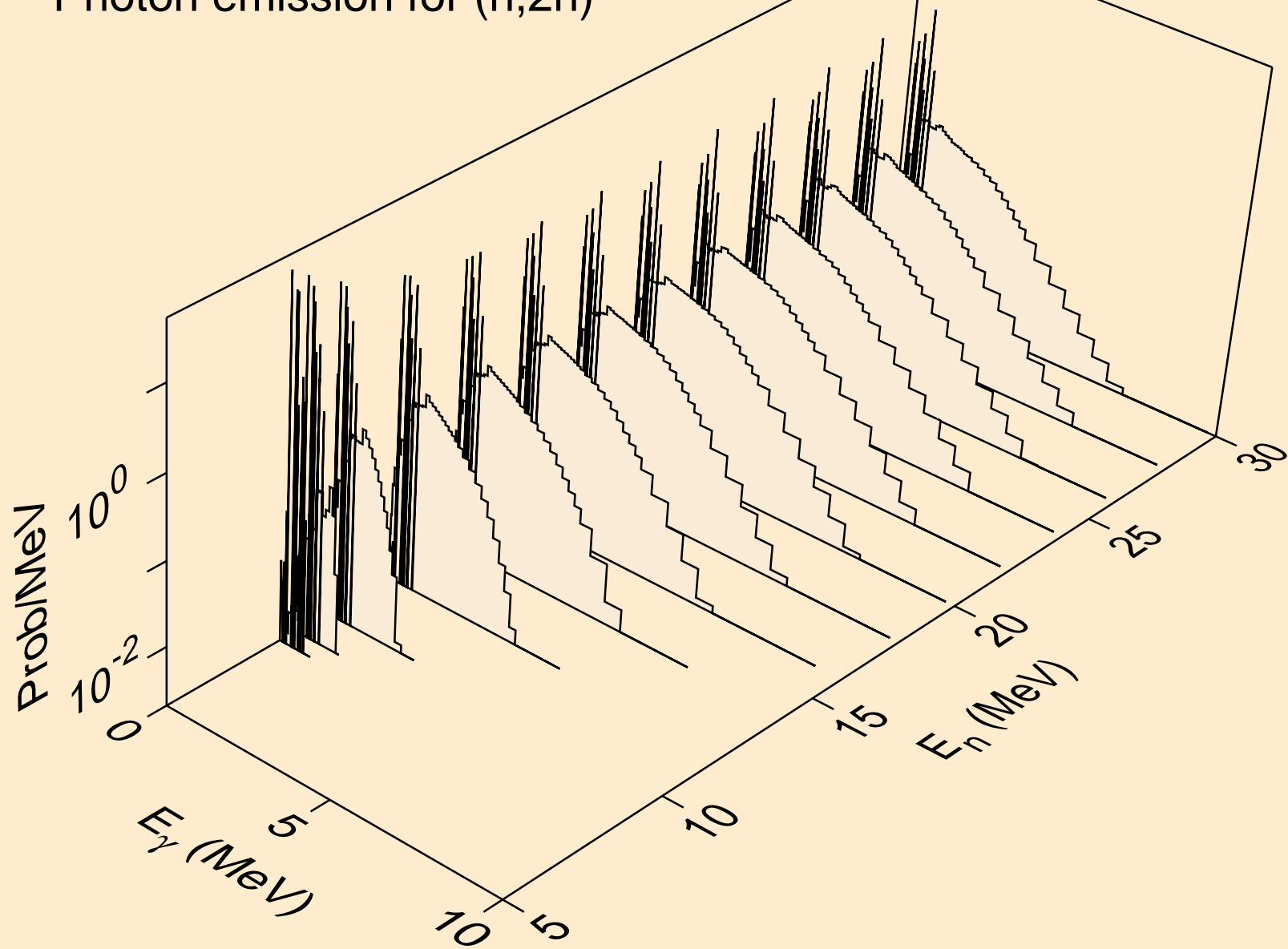
HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,x)



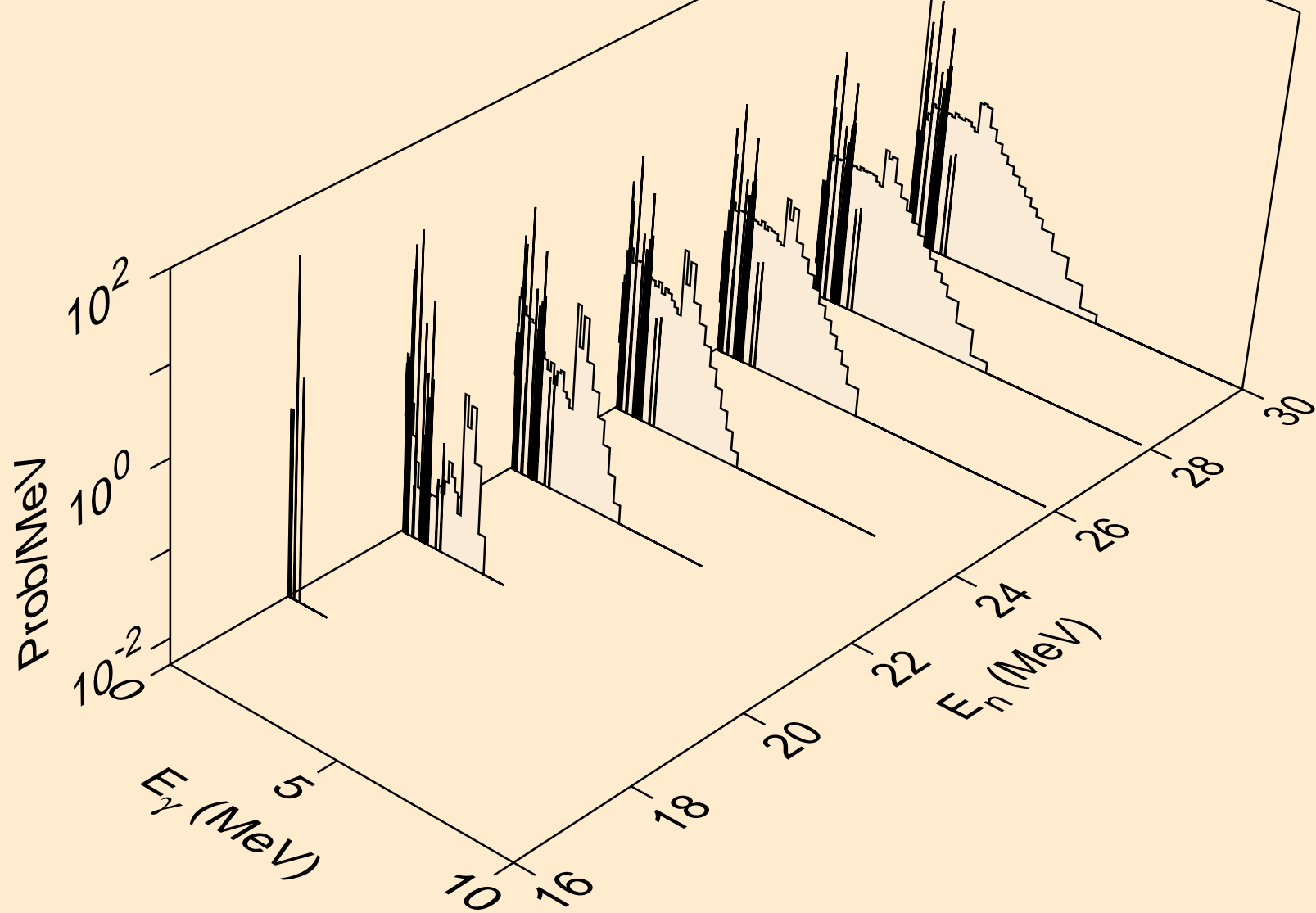
HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2nd)



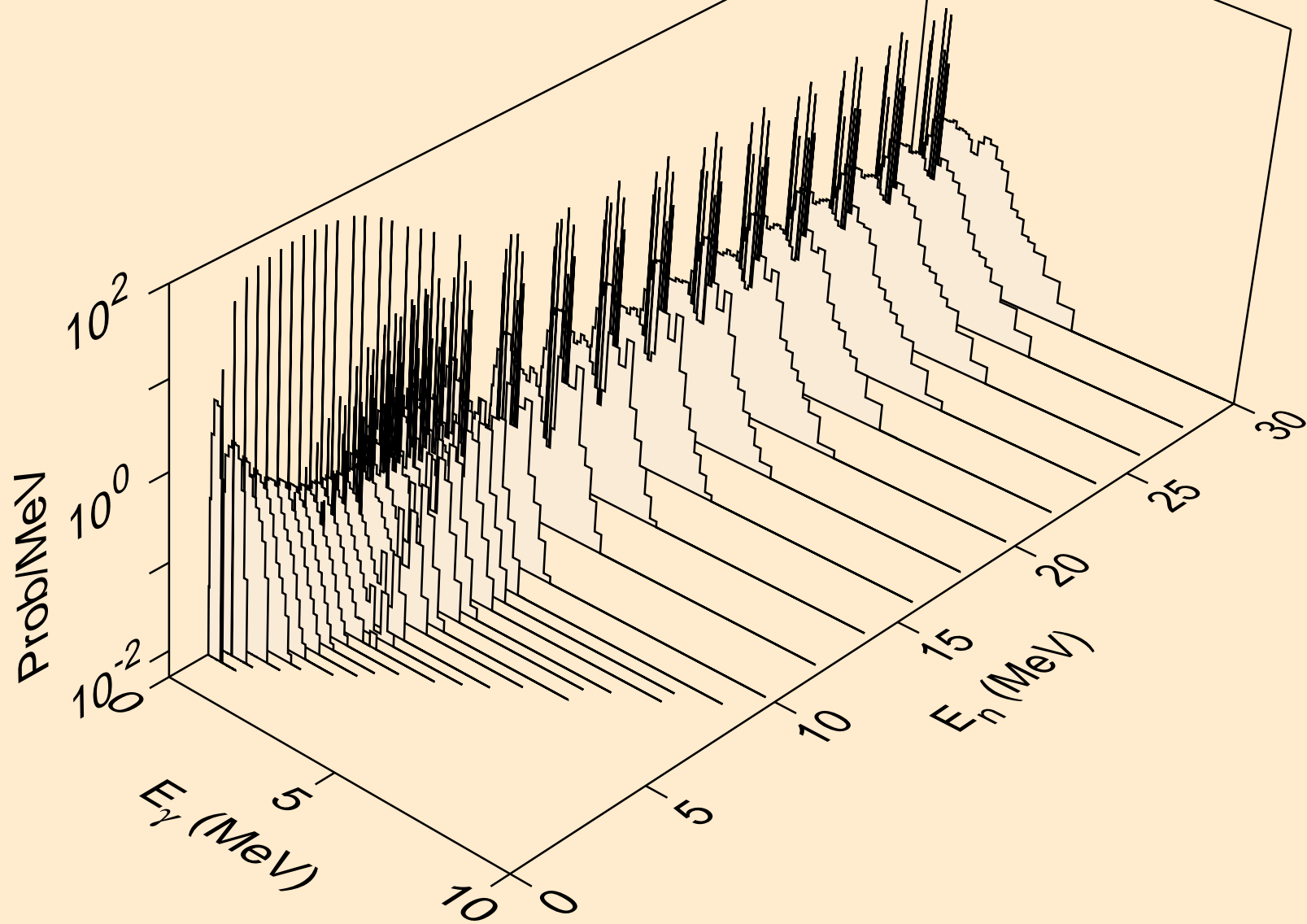
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Photon emission for (n,2n)



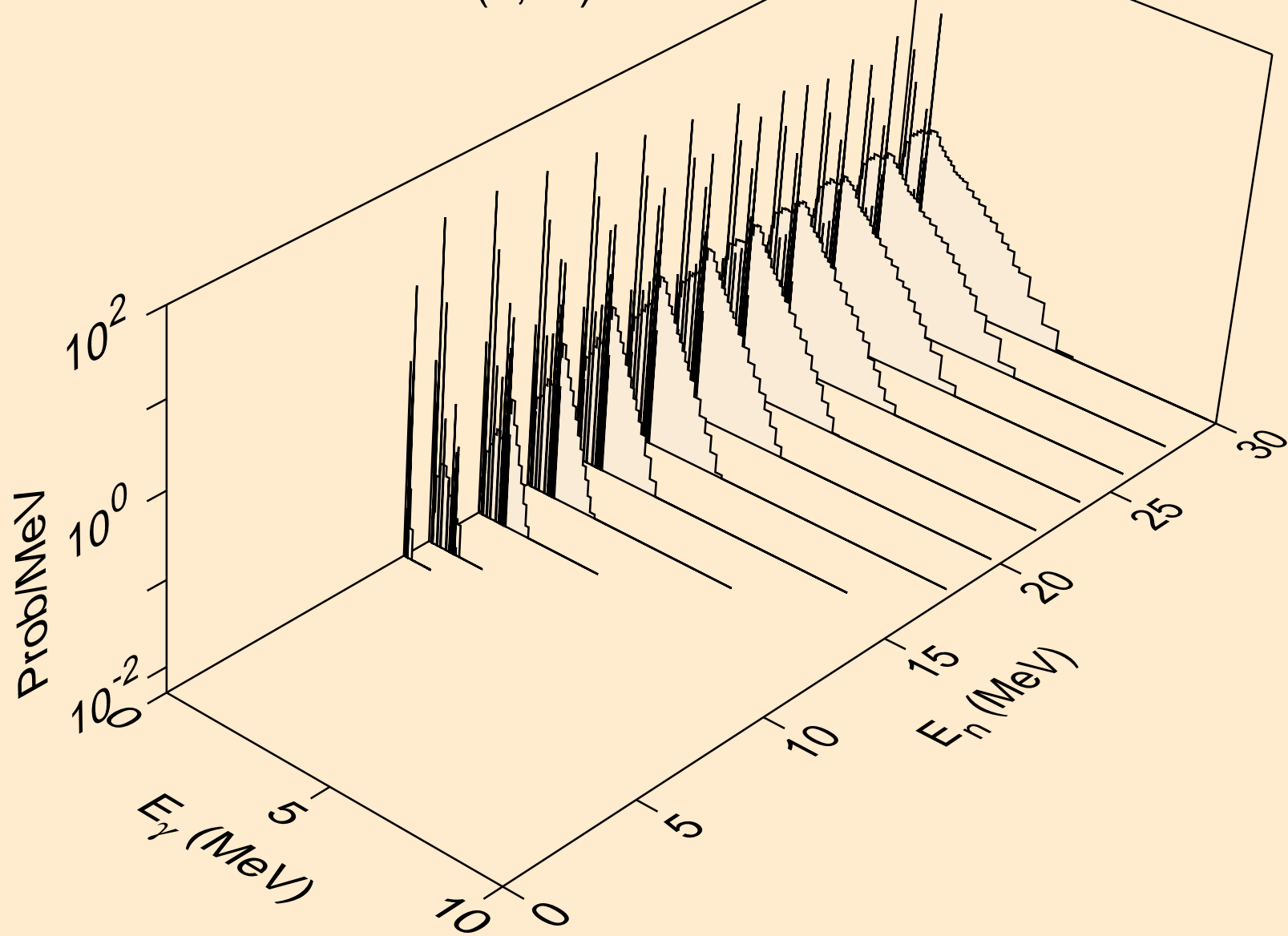
HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3n)



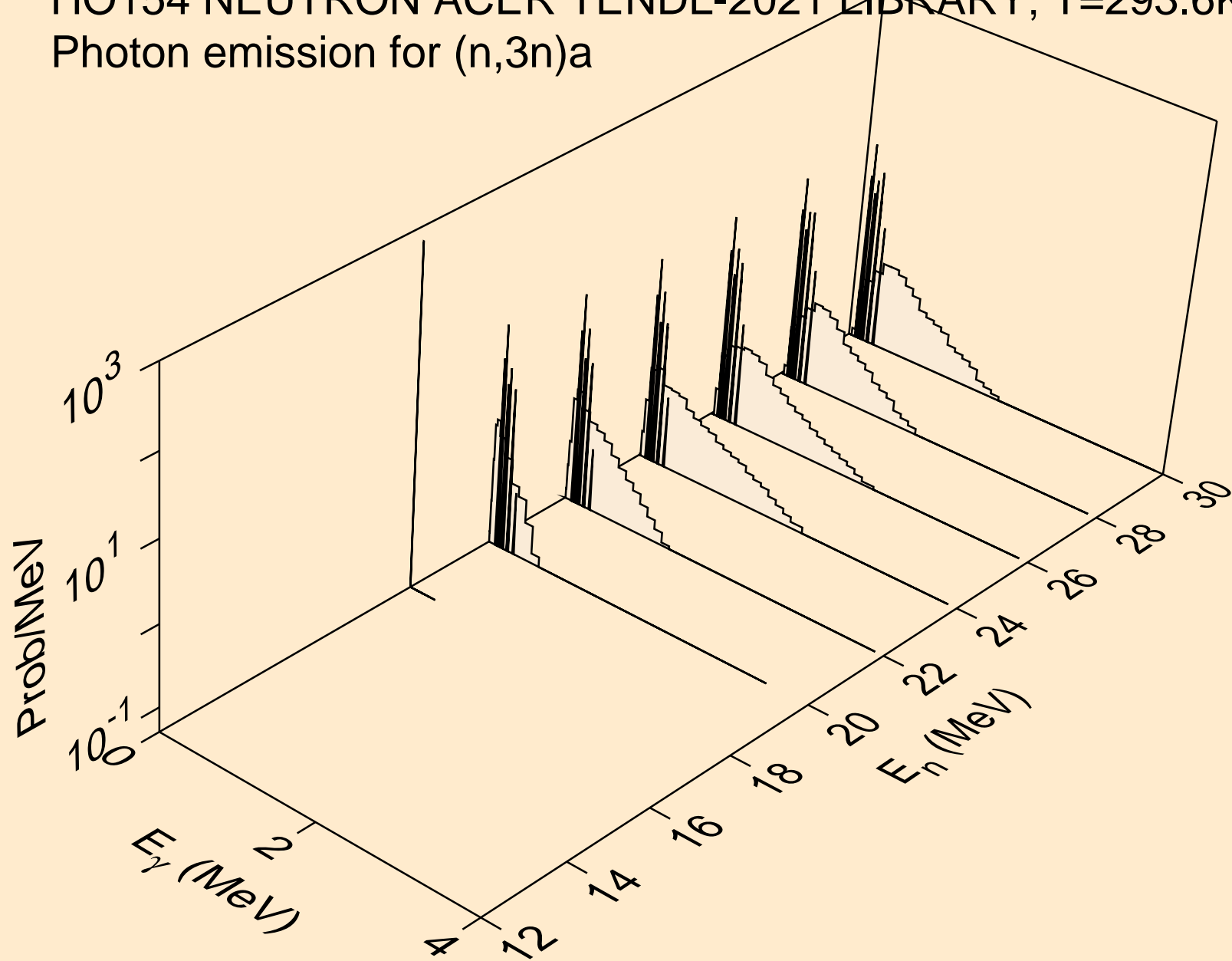
HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)a



HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2n)a

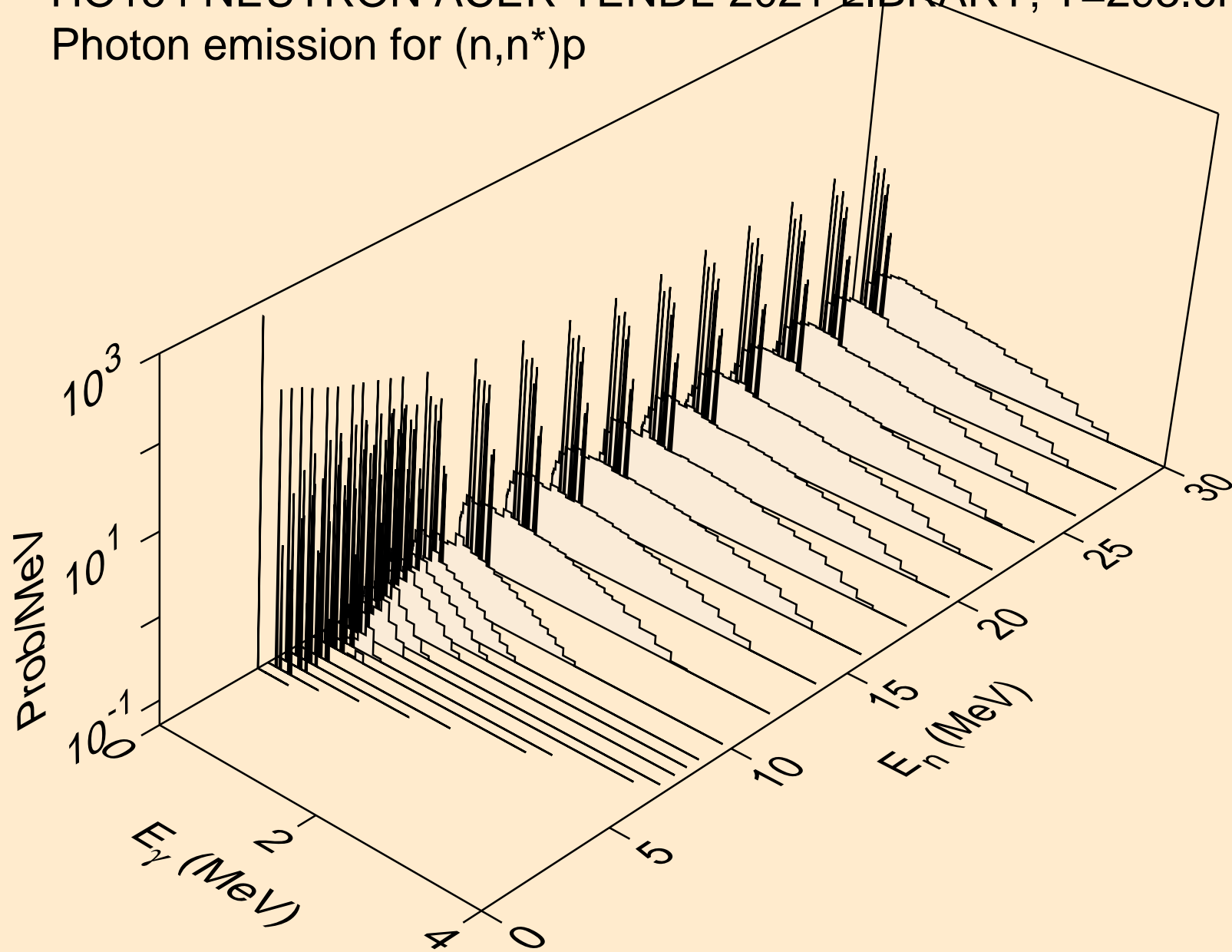


HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3n)a

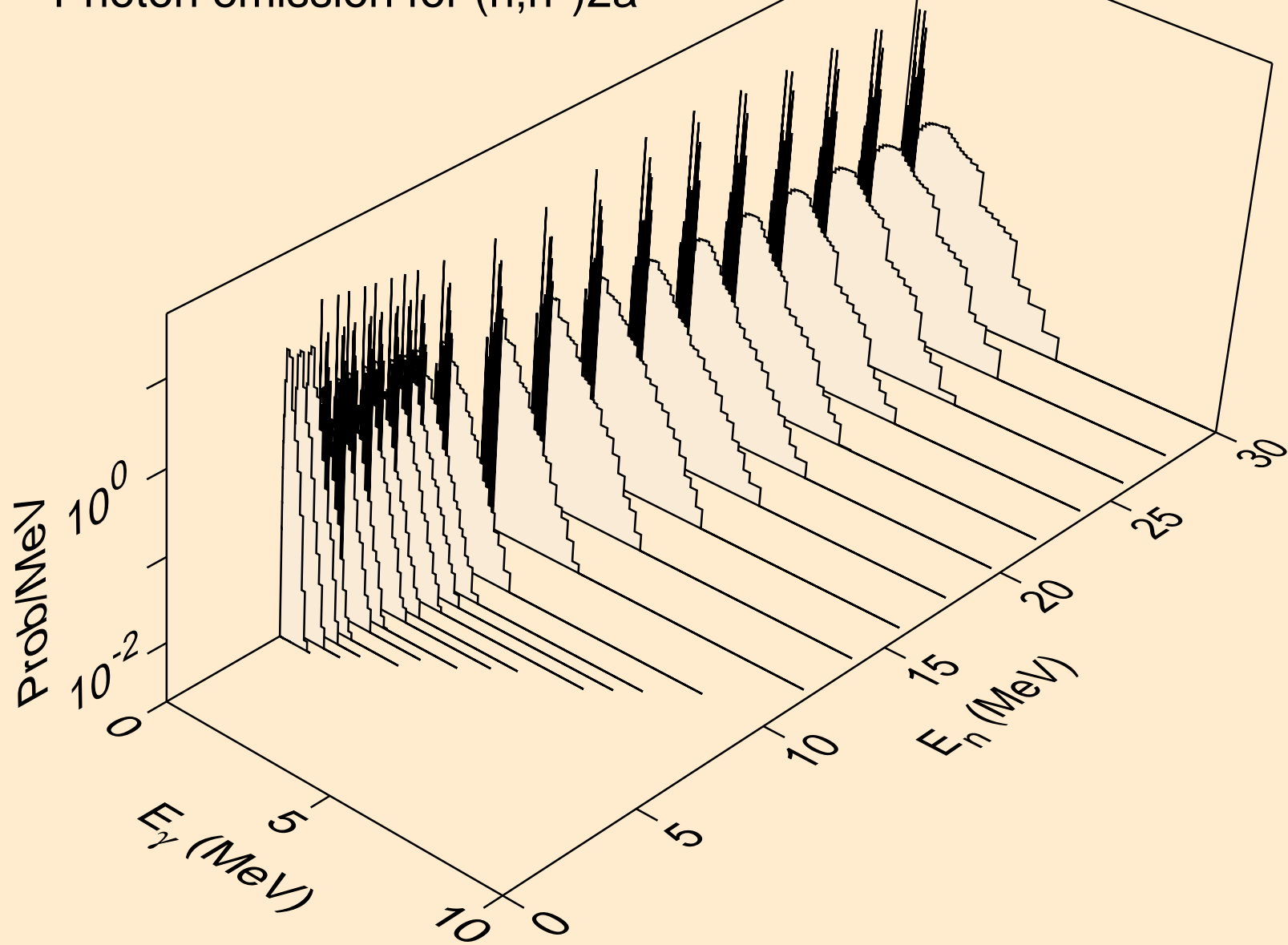




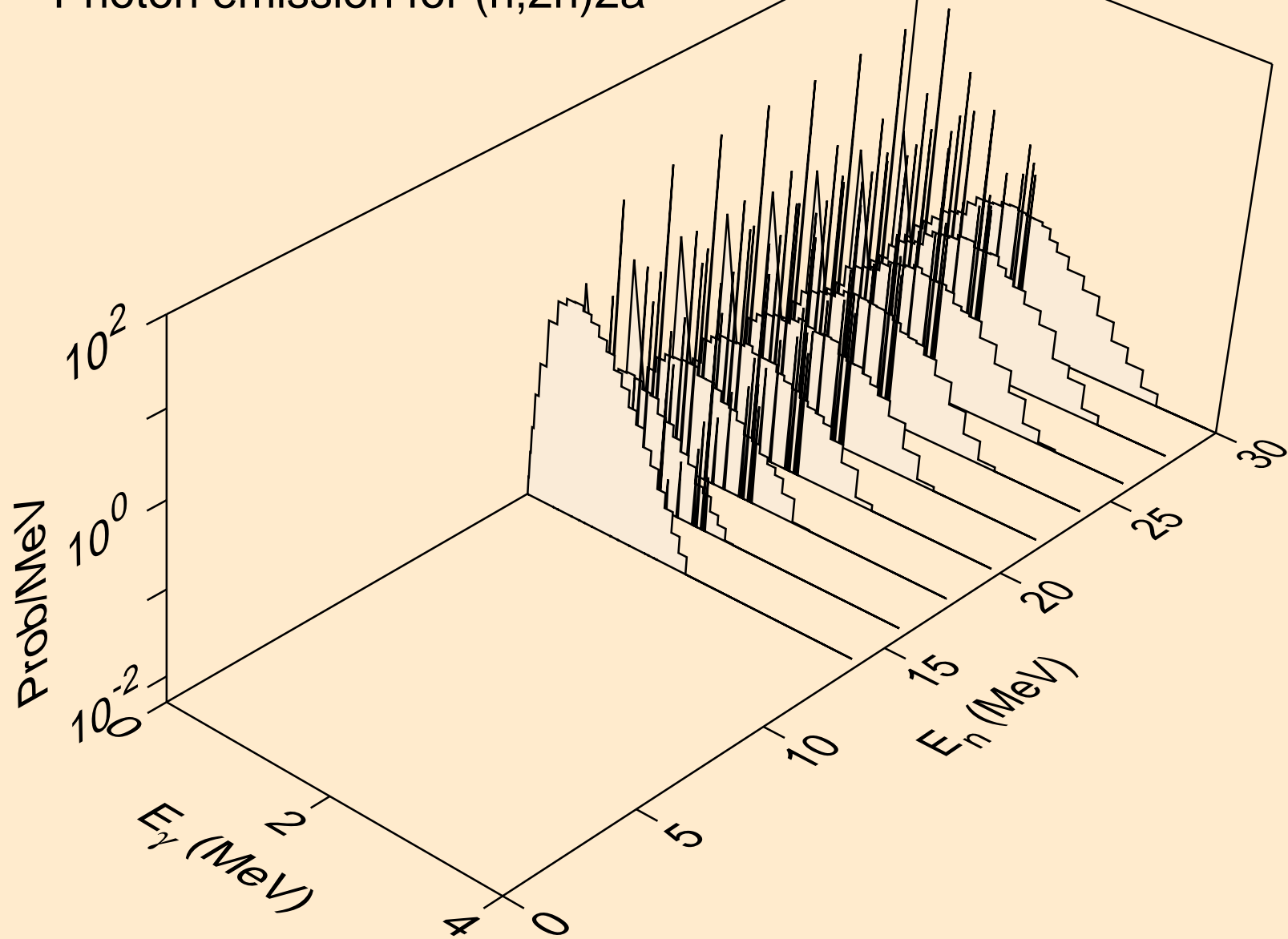
HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)p



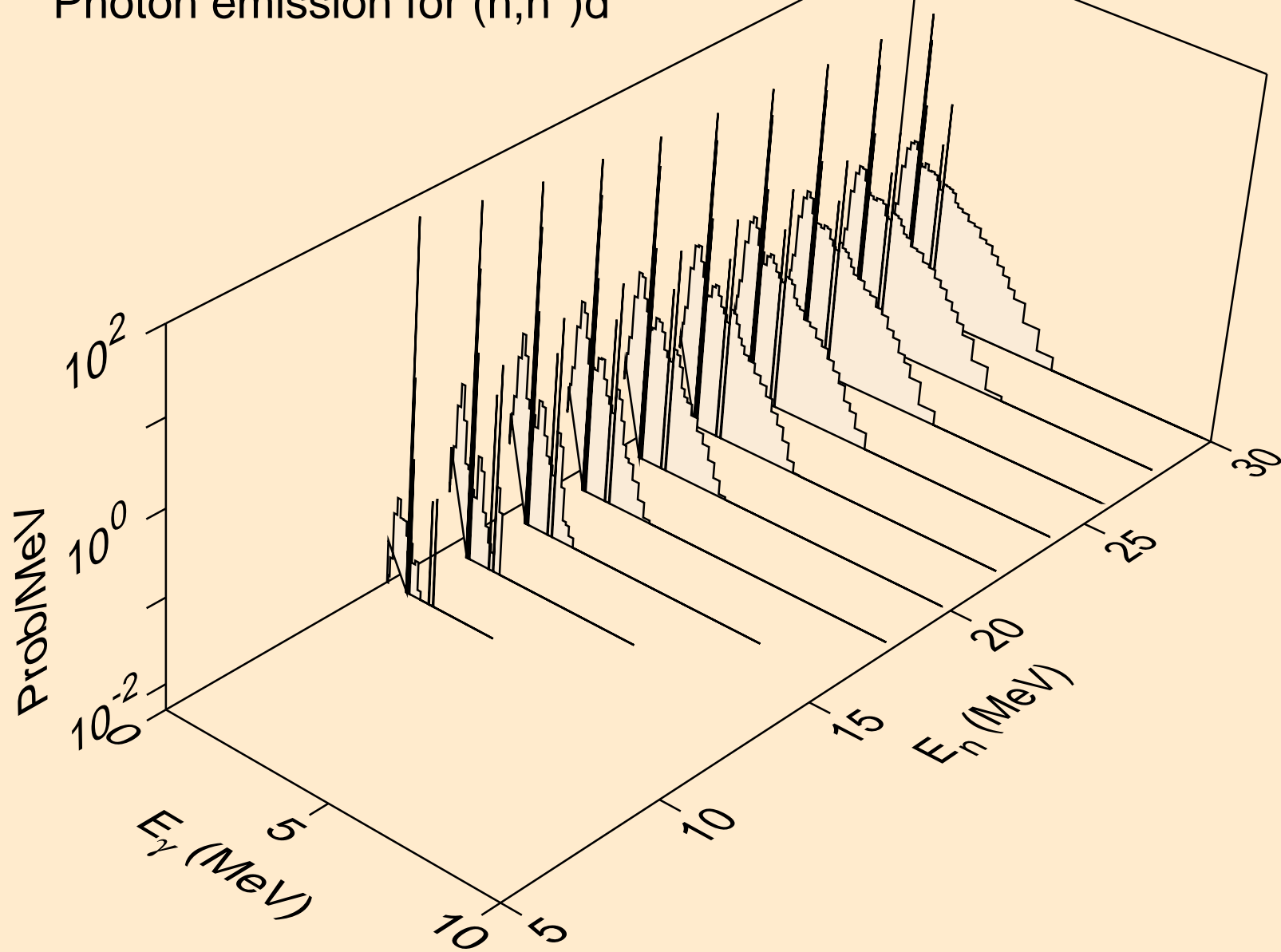
HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)2a



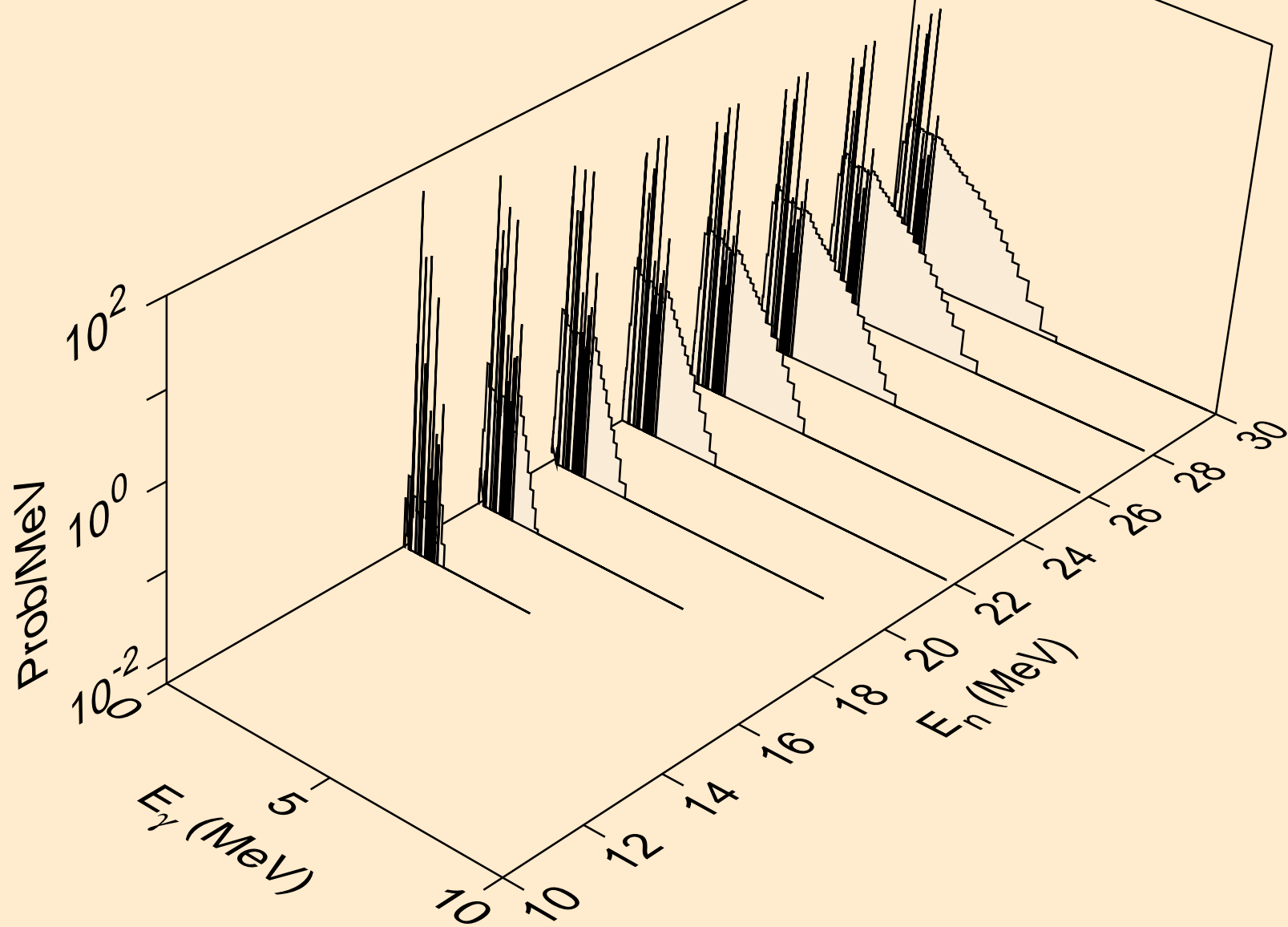
HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2n)2a



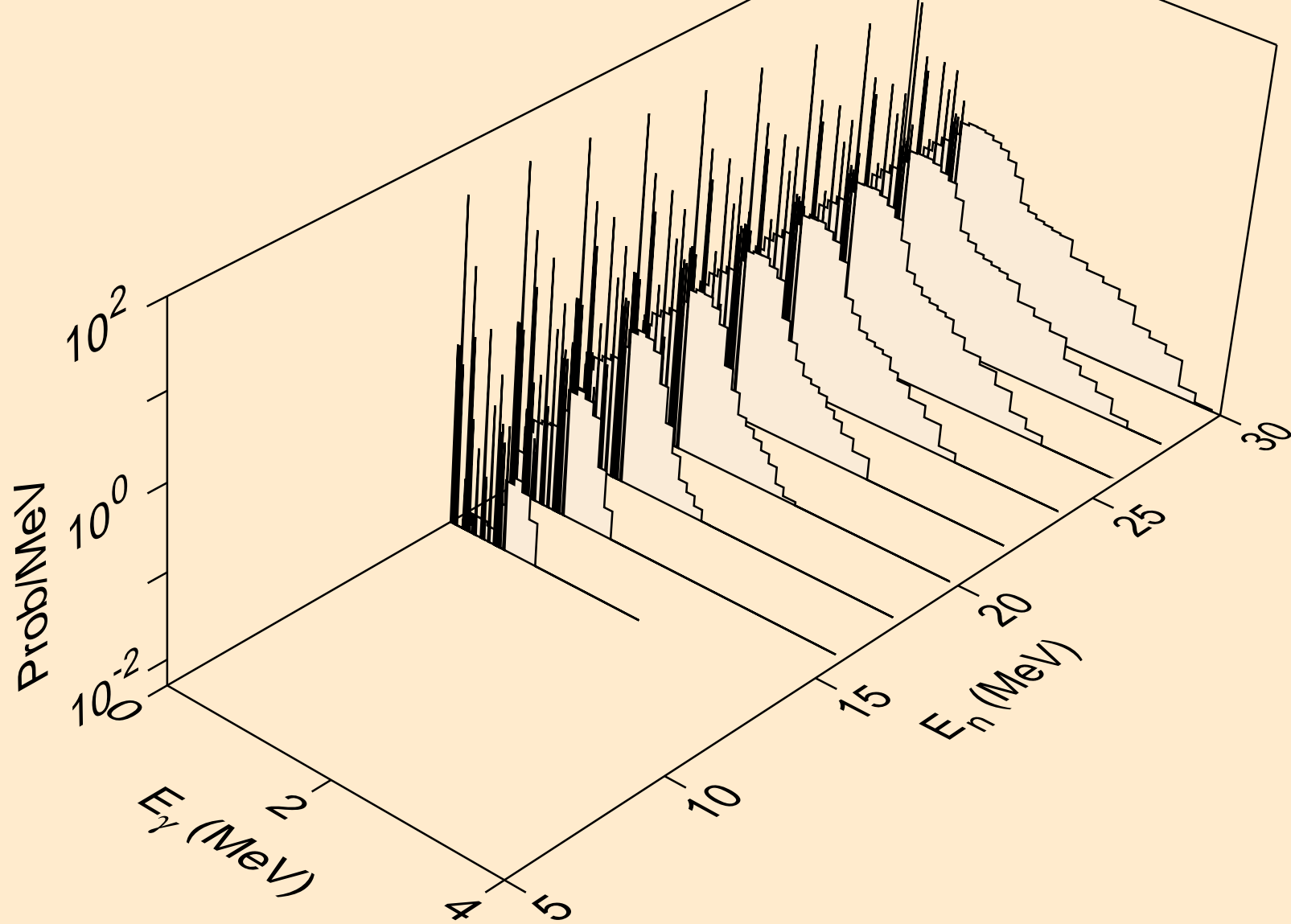
HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)d



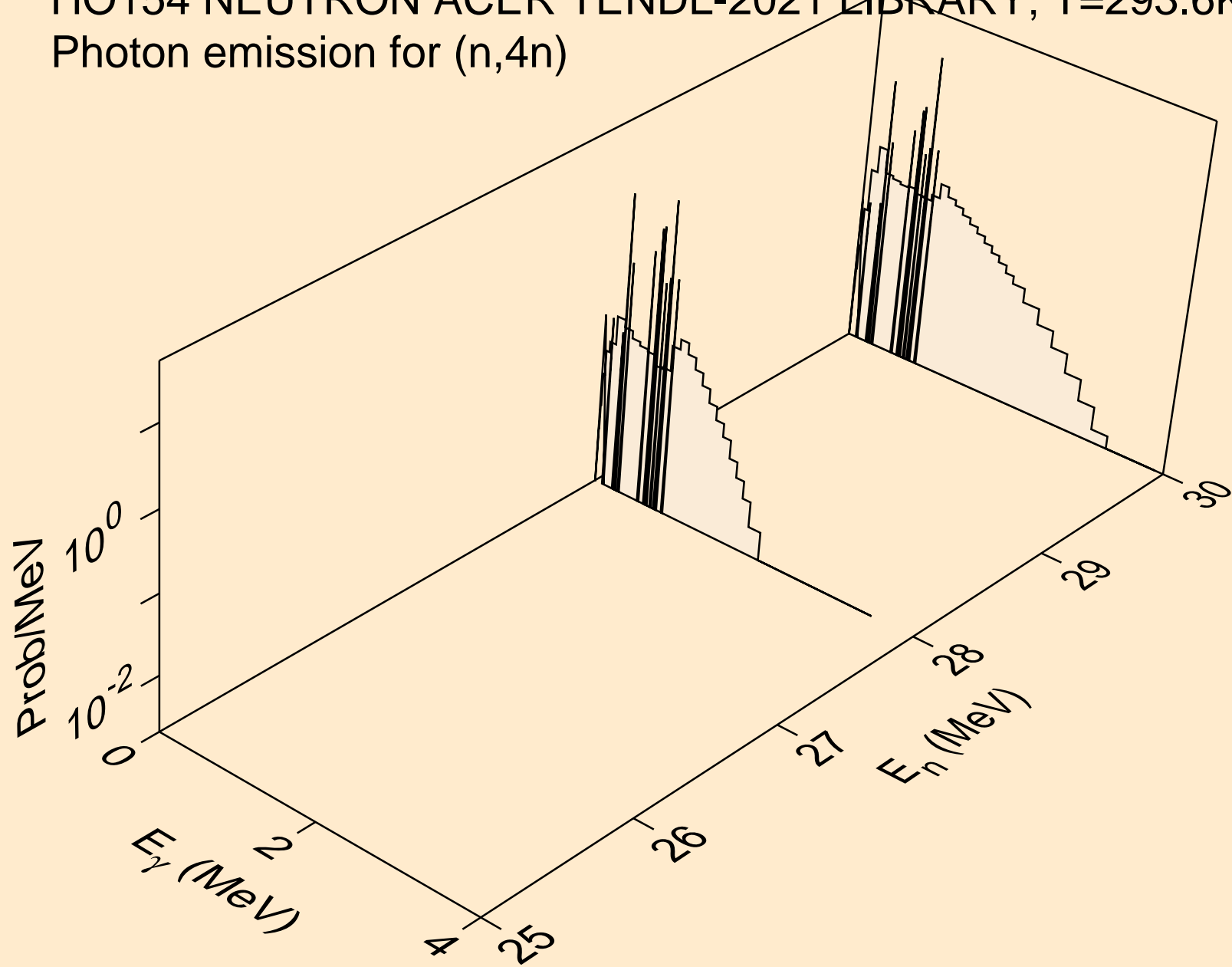
HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)t



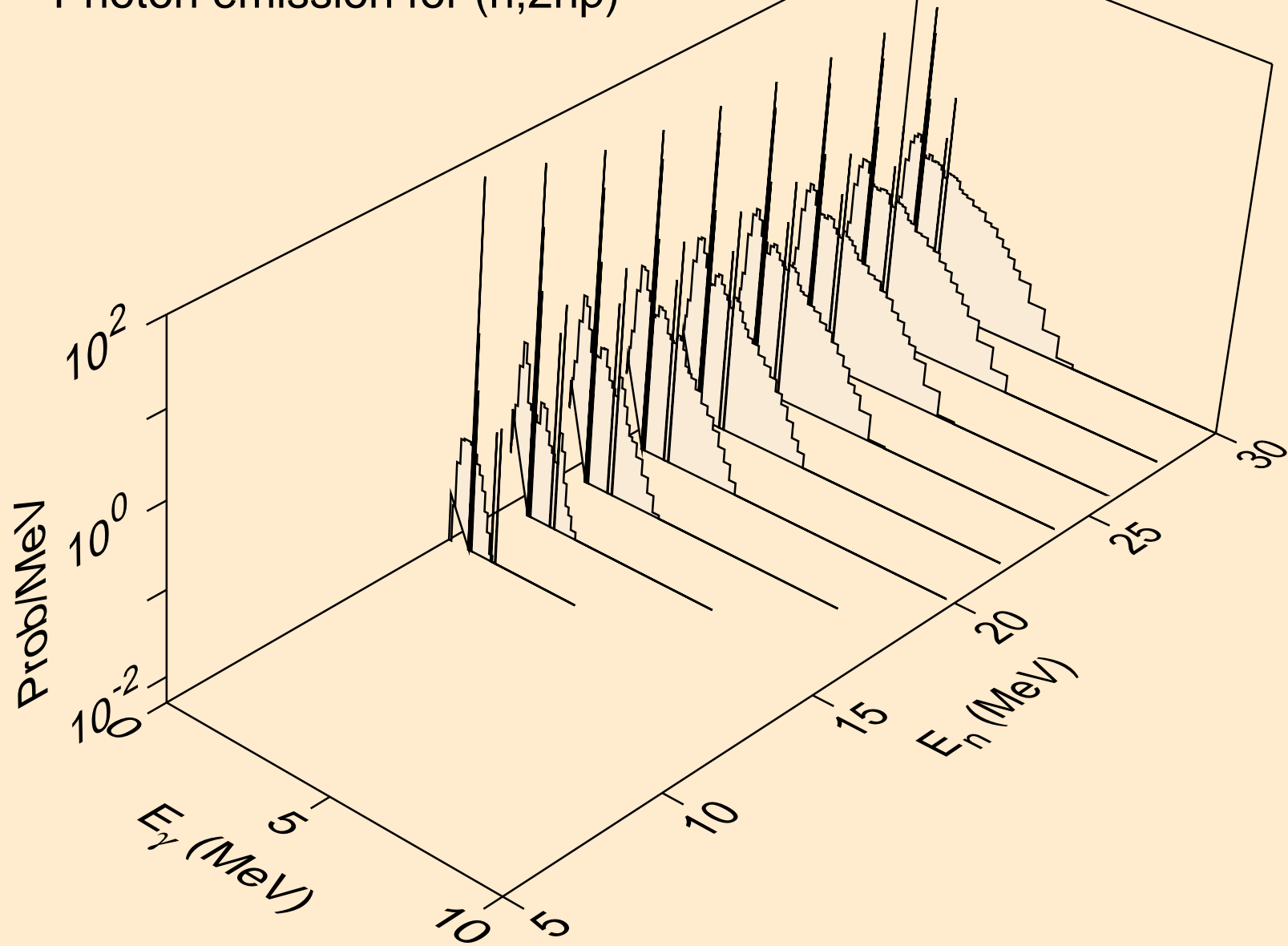
HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)he3



HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,4n)

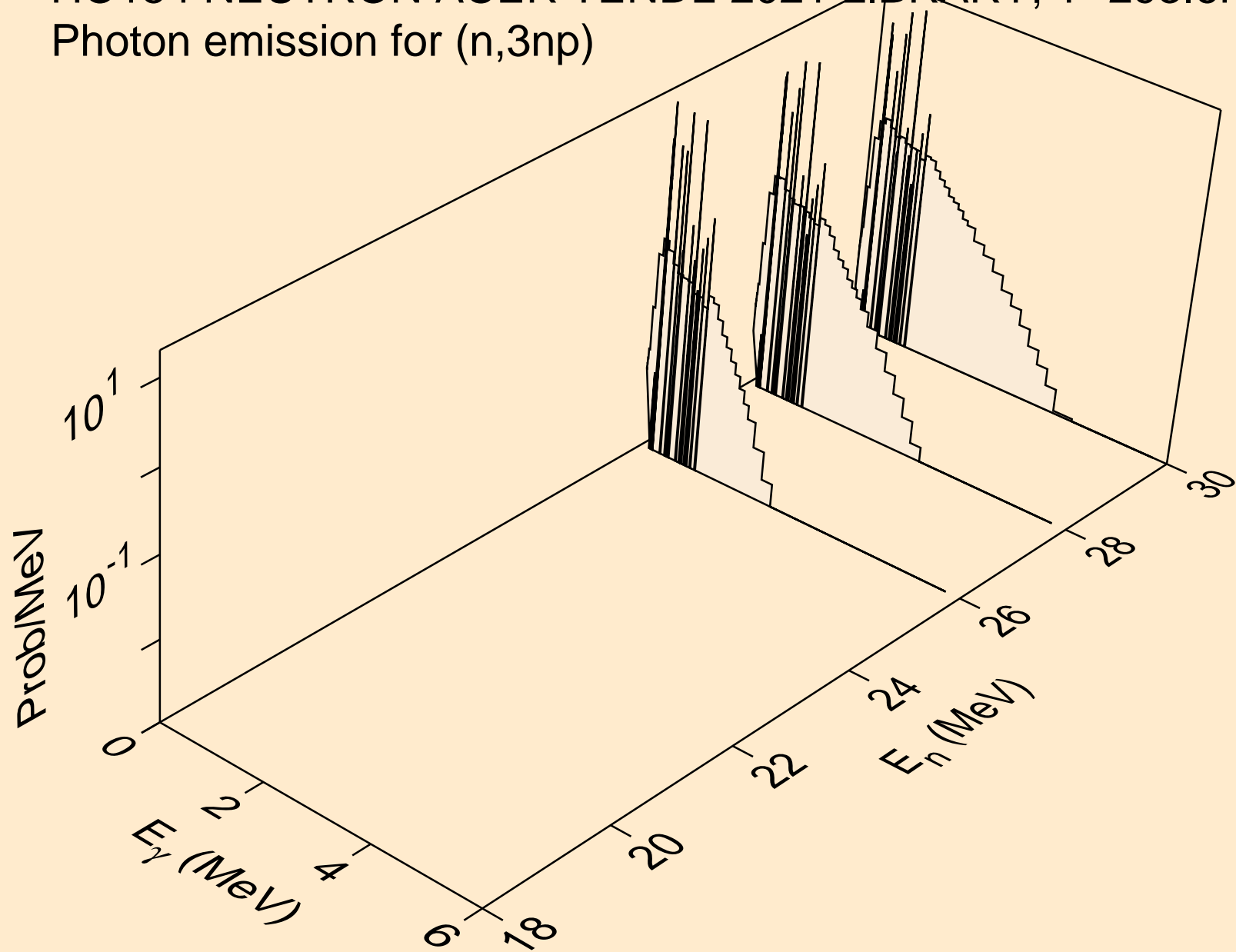


HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2np)

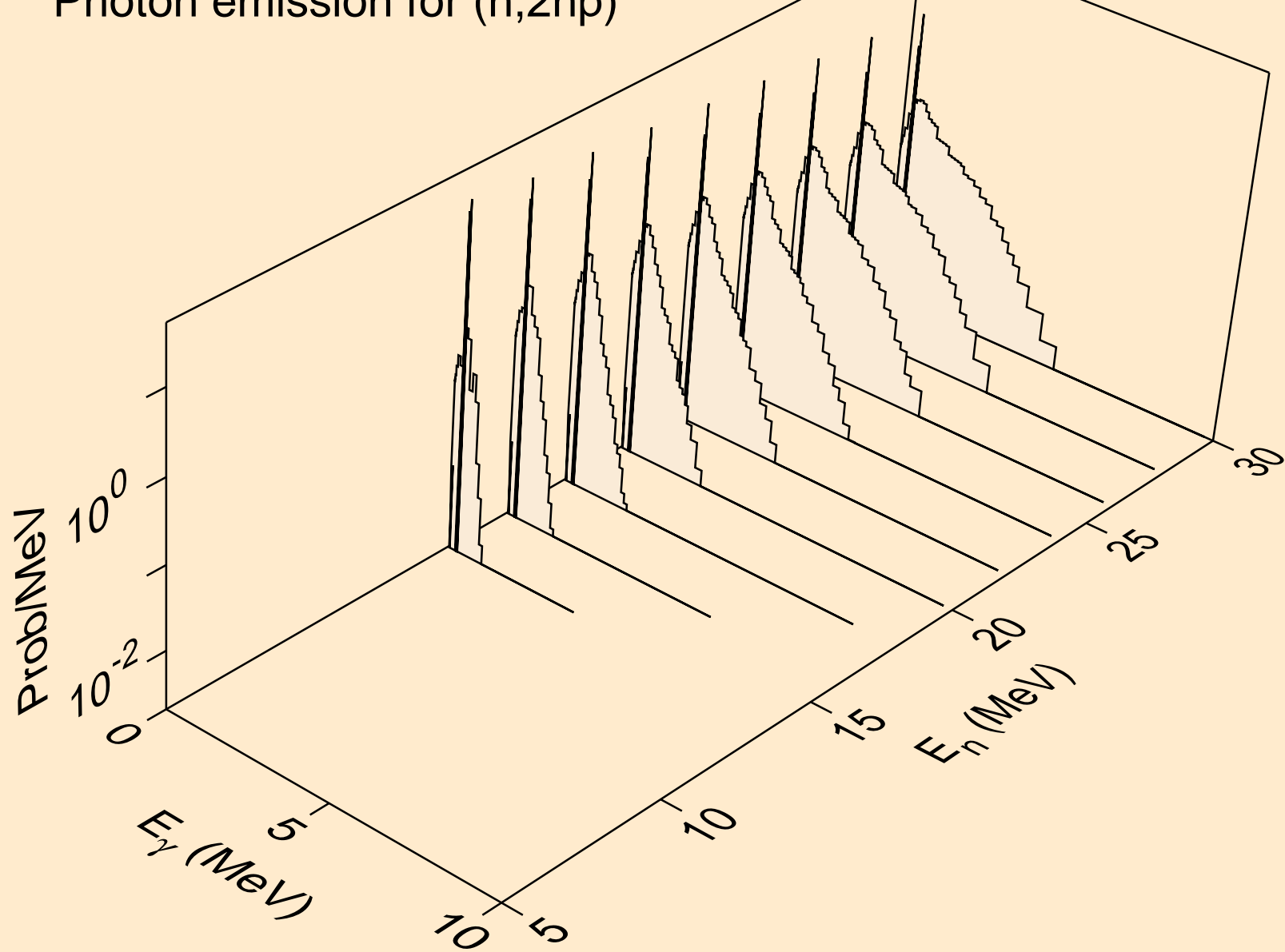




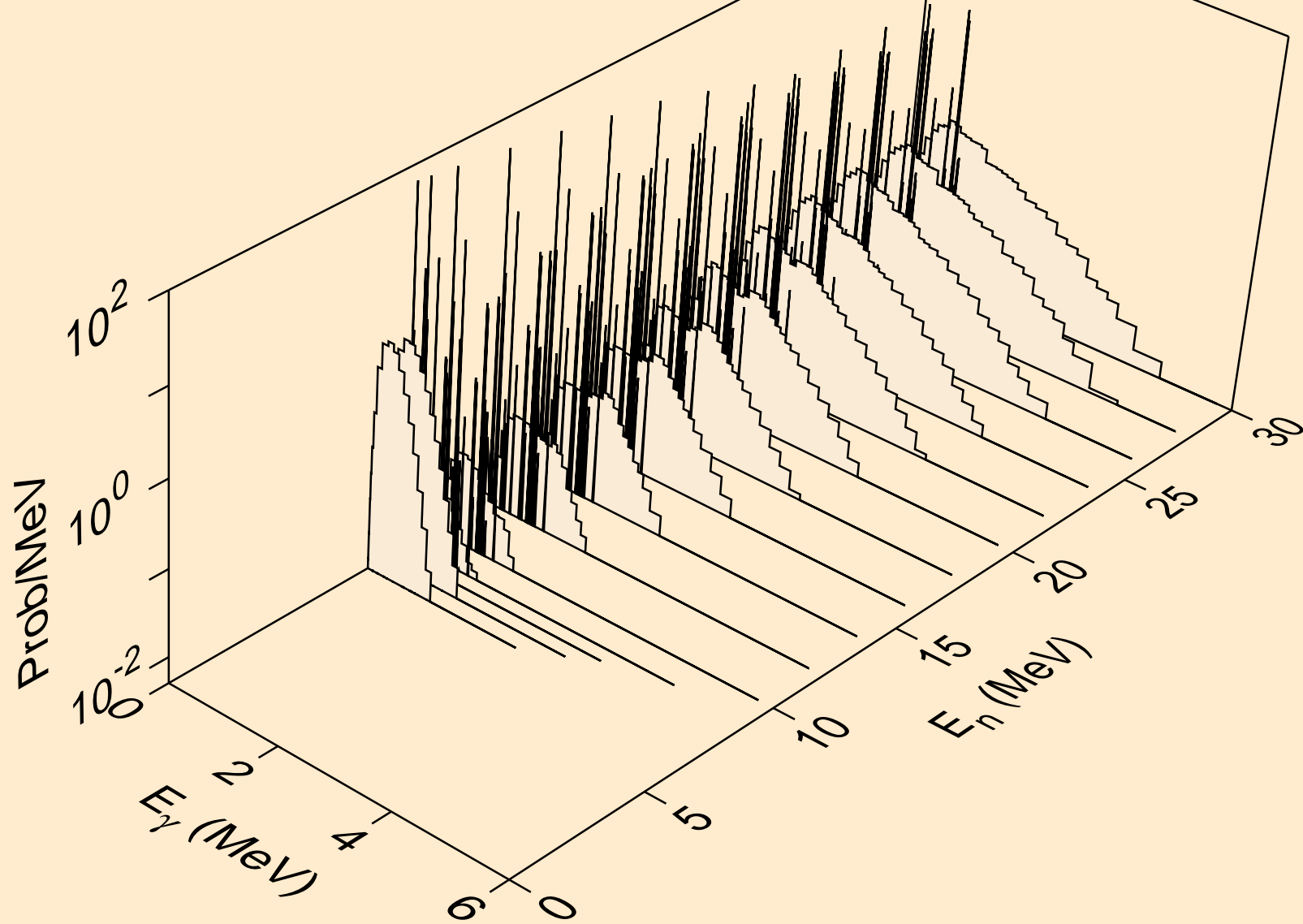
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Photon emission for (n,3np)



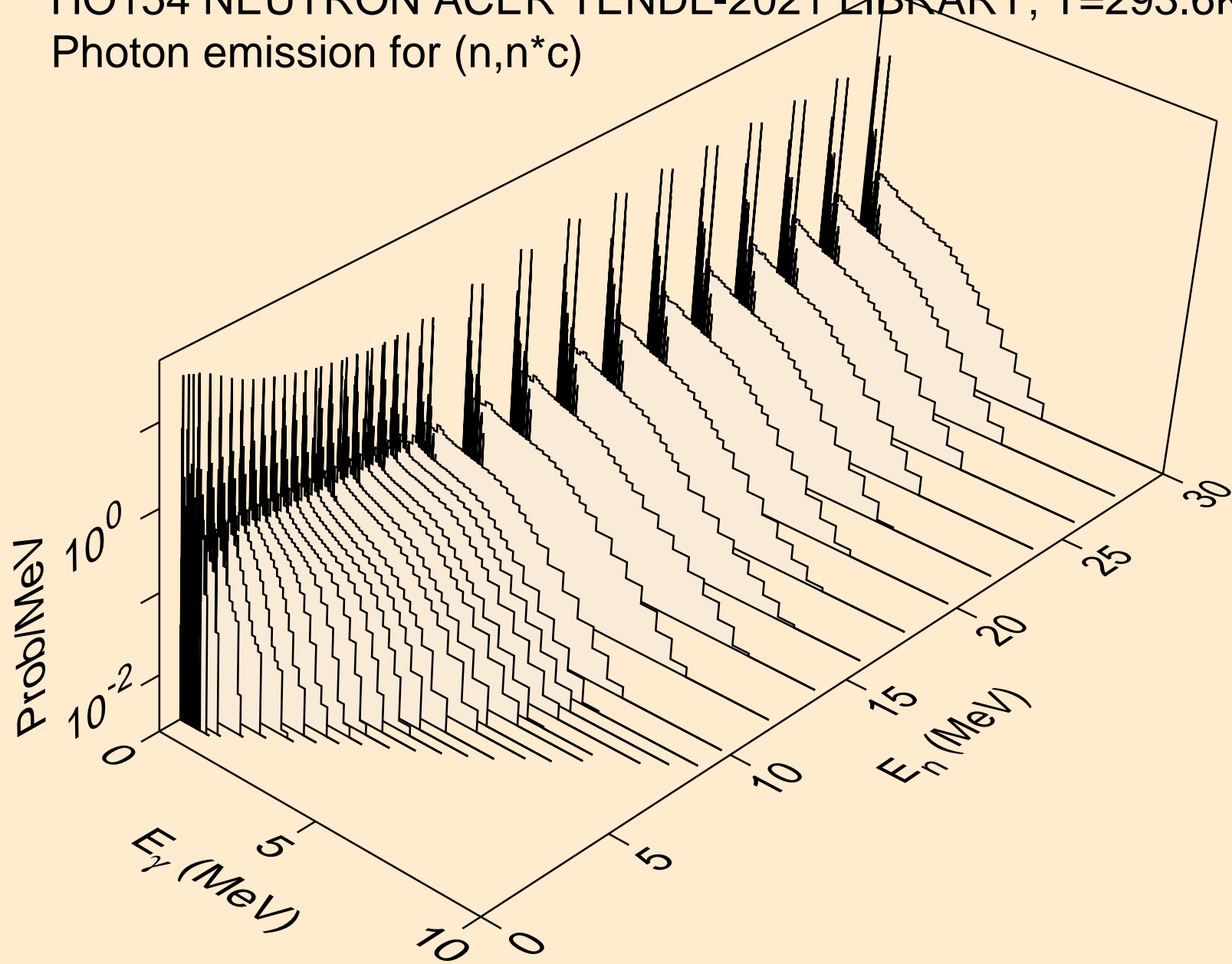
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Photon emission for (n,2np)



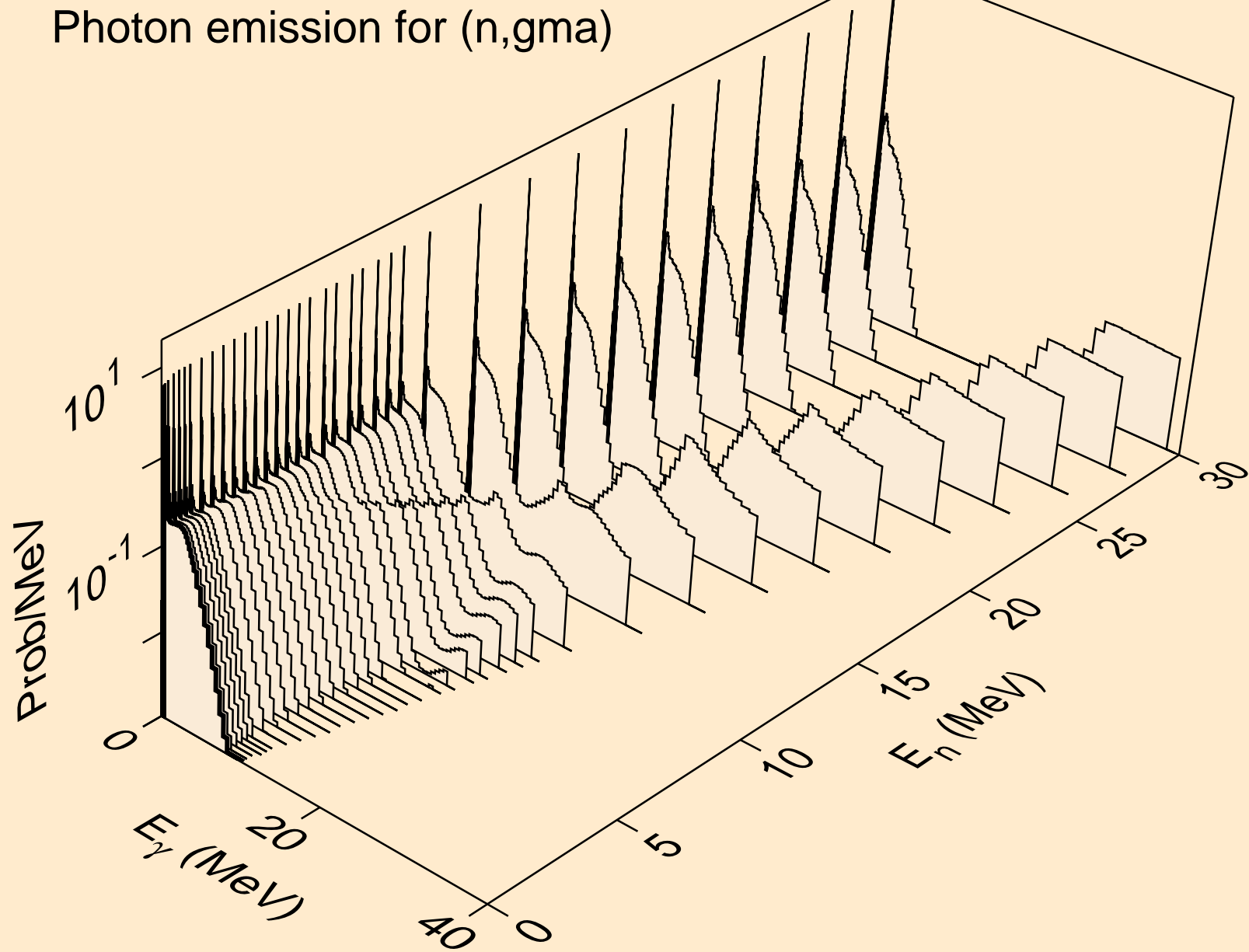
HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,npa)



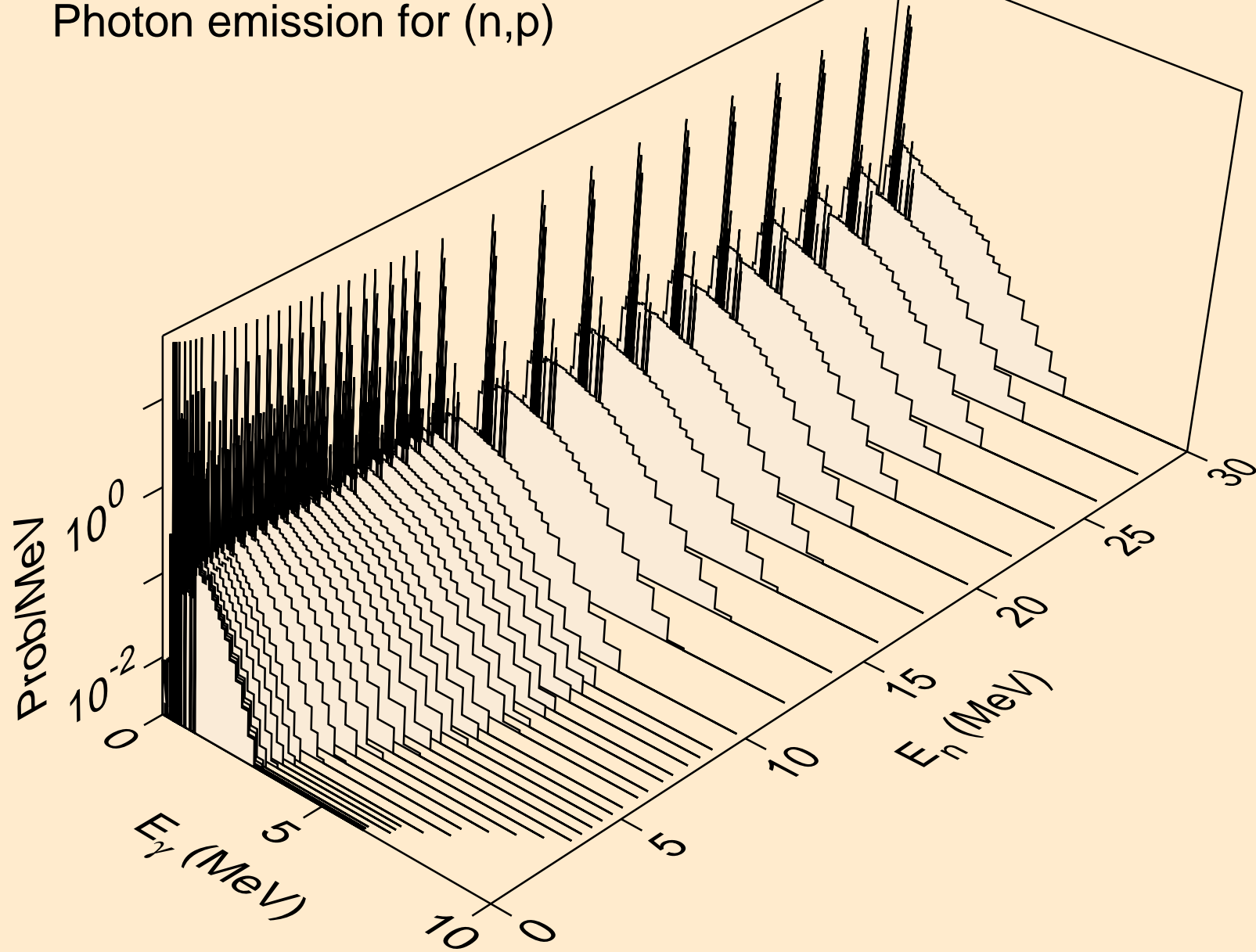
HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*c)



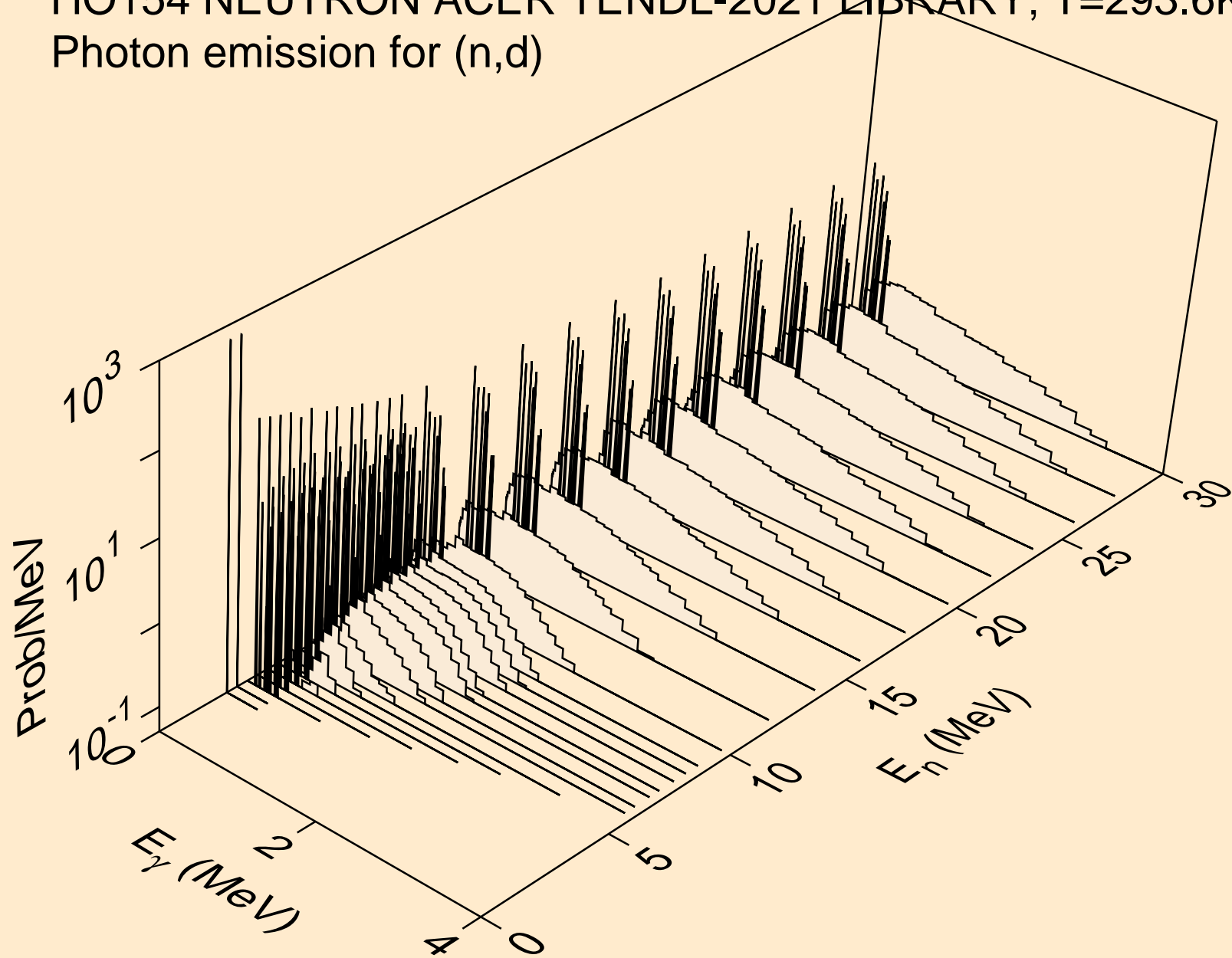
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Photon emission for (n,gma)



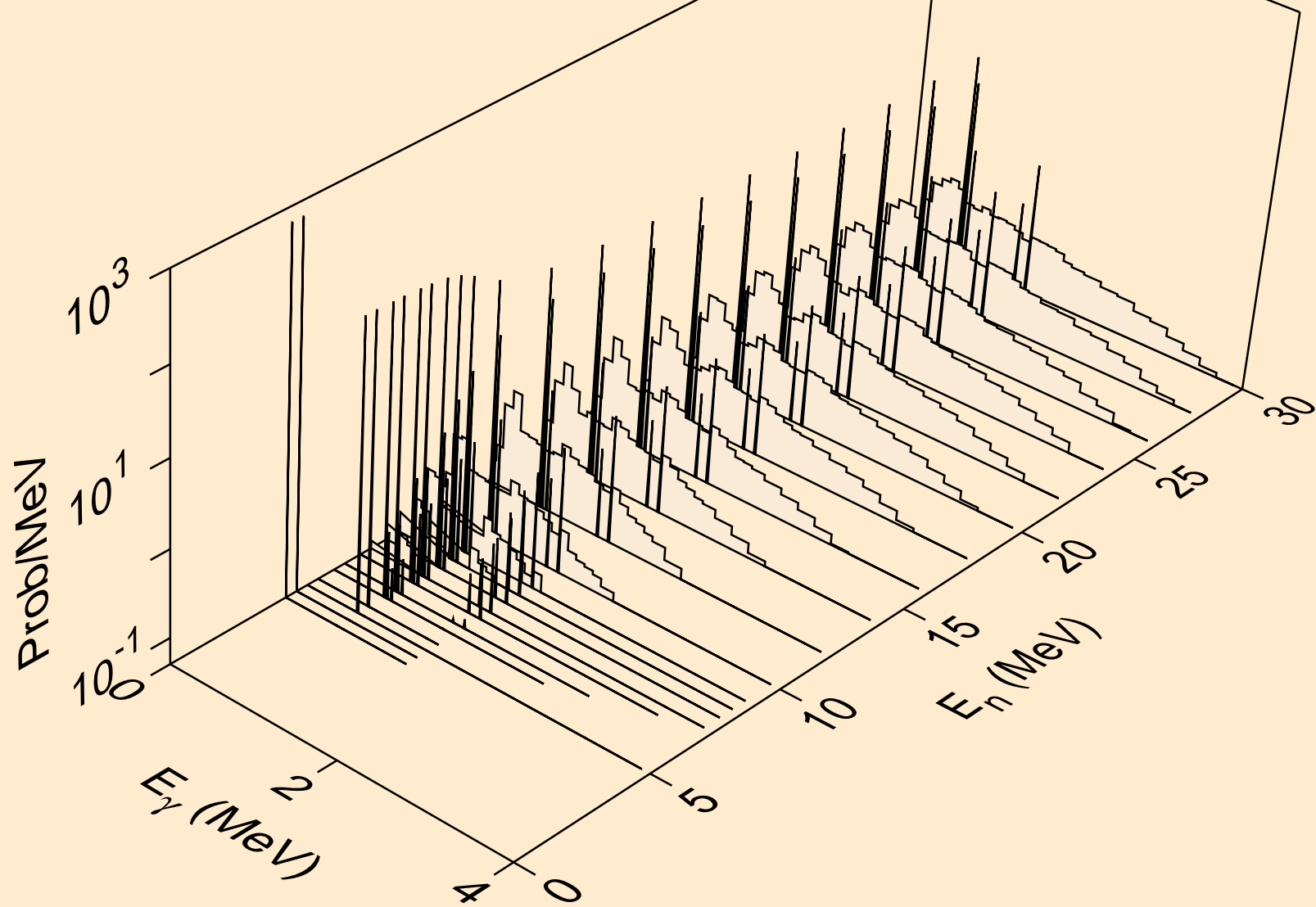
HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,p)



HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,d)

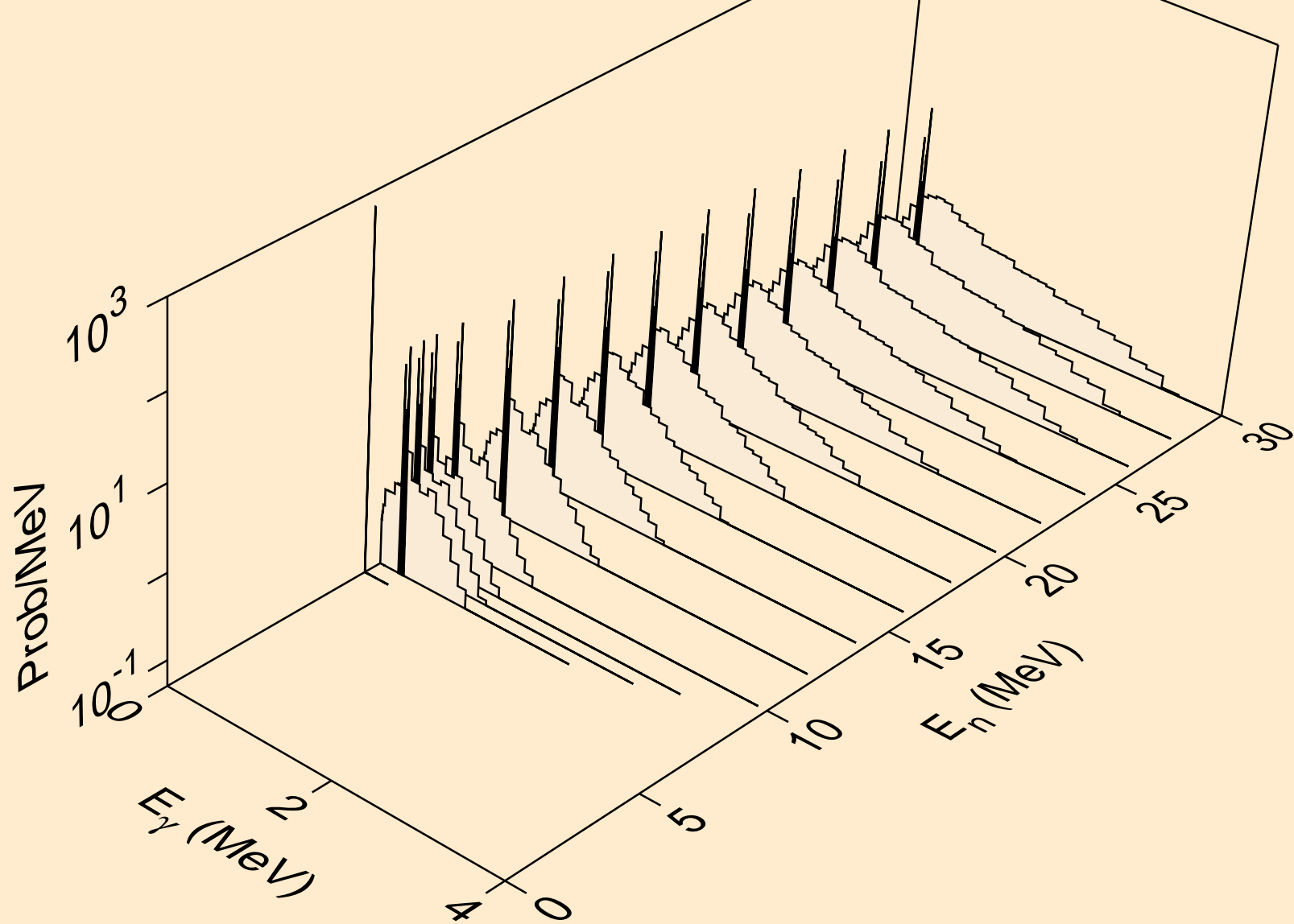


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Photon emission for (n,t)

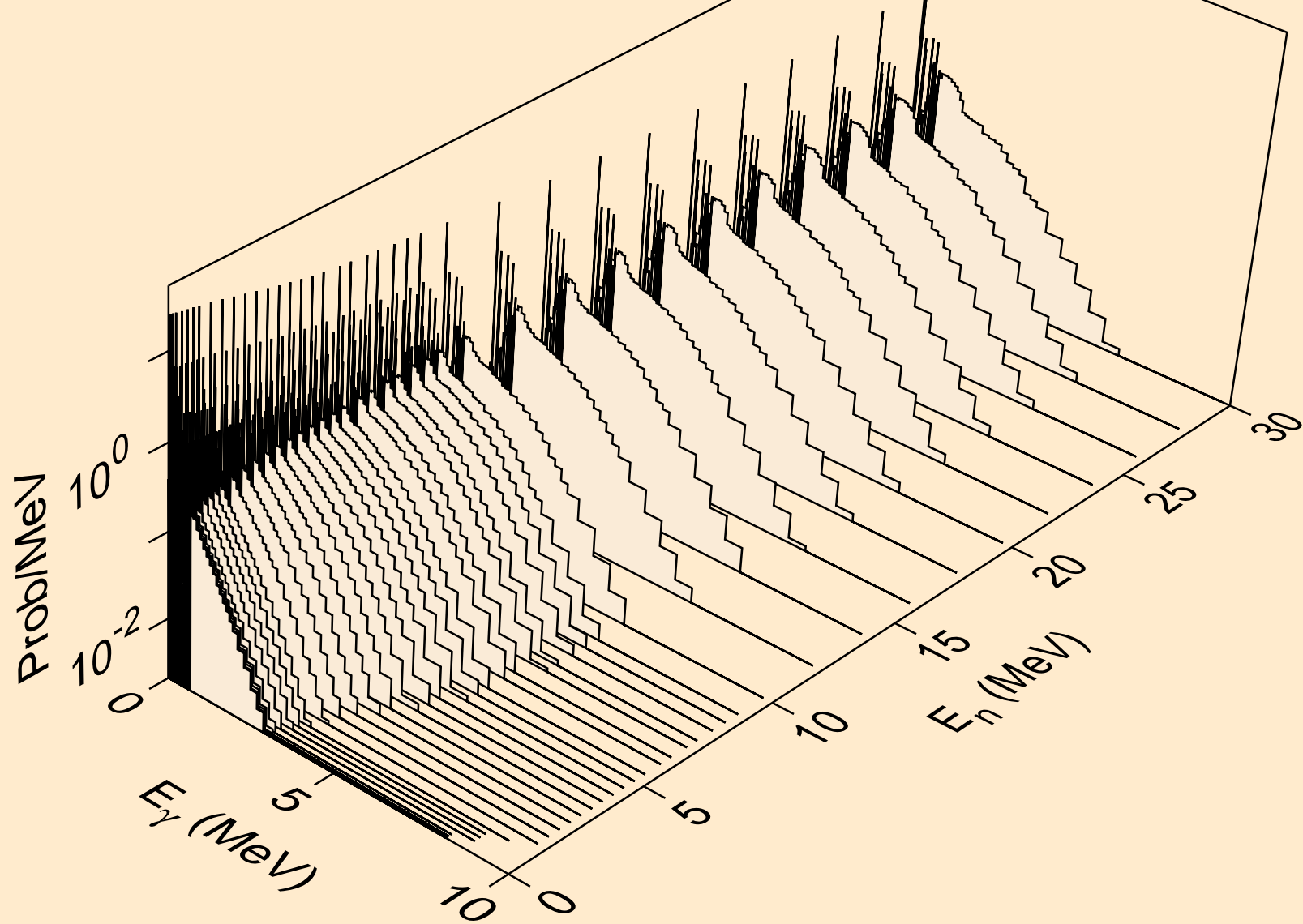




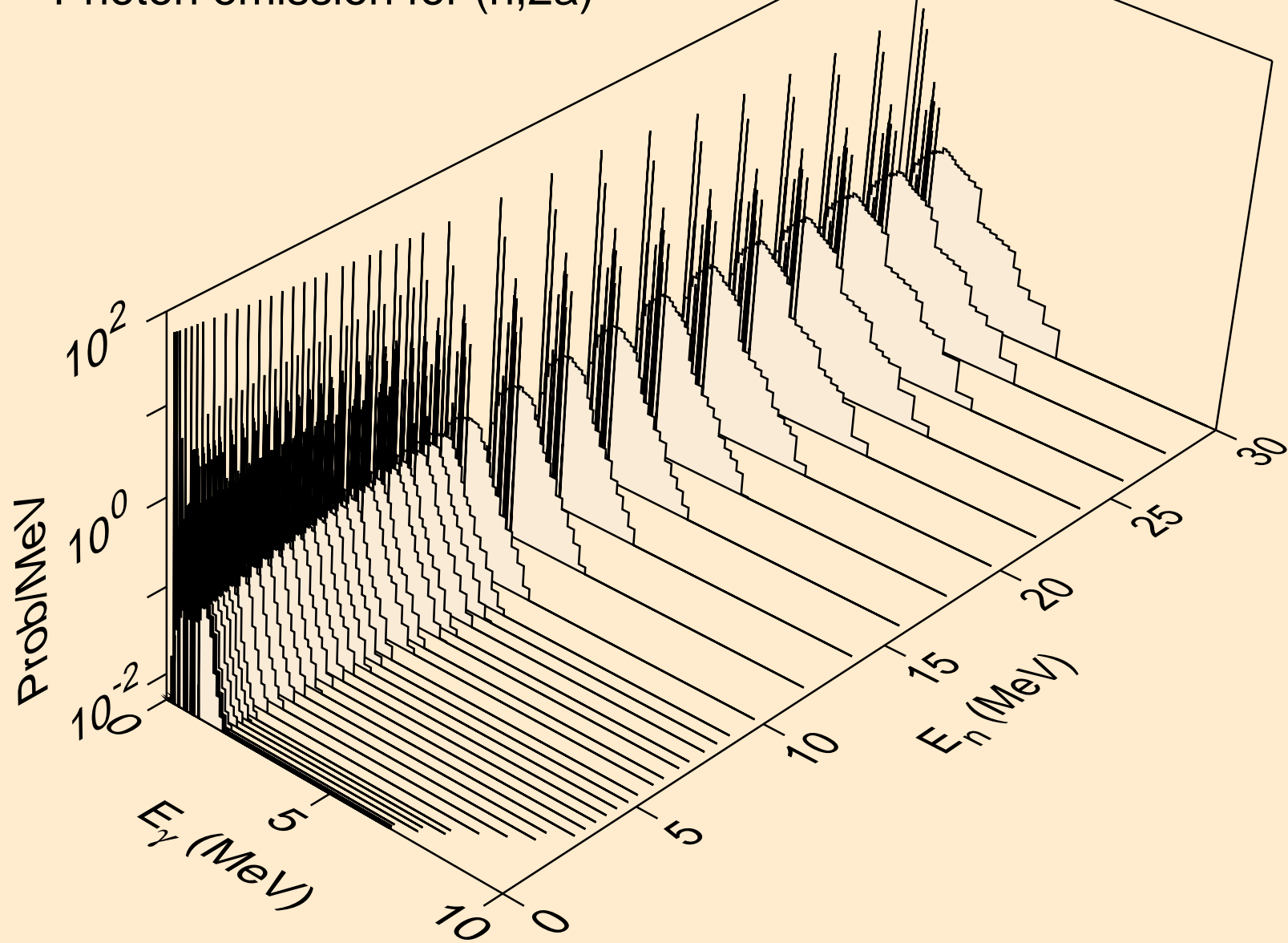
HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,he3)



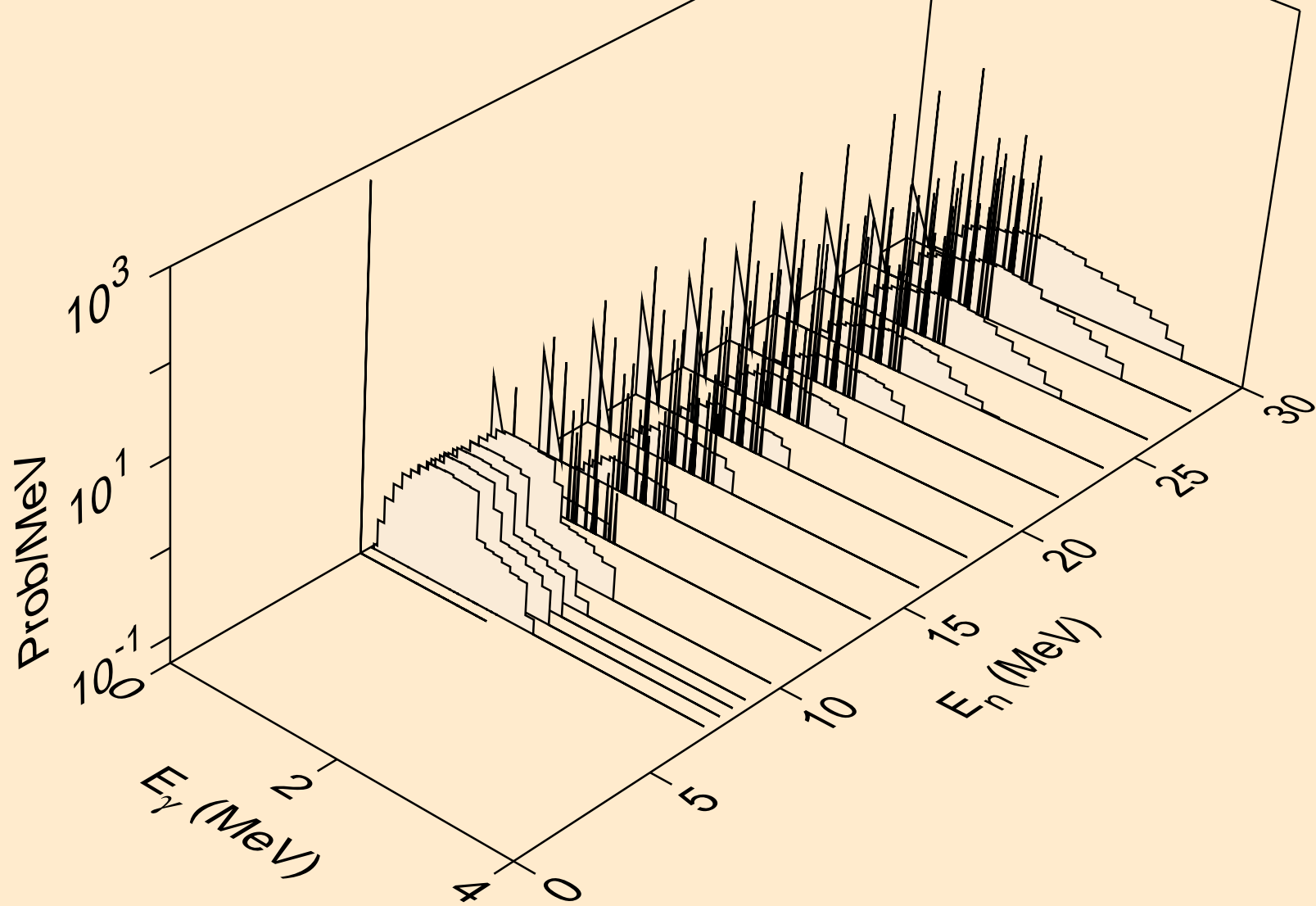
HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,a)



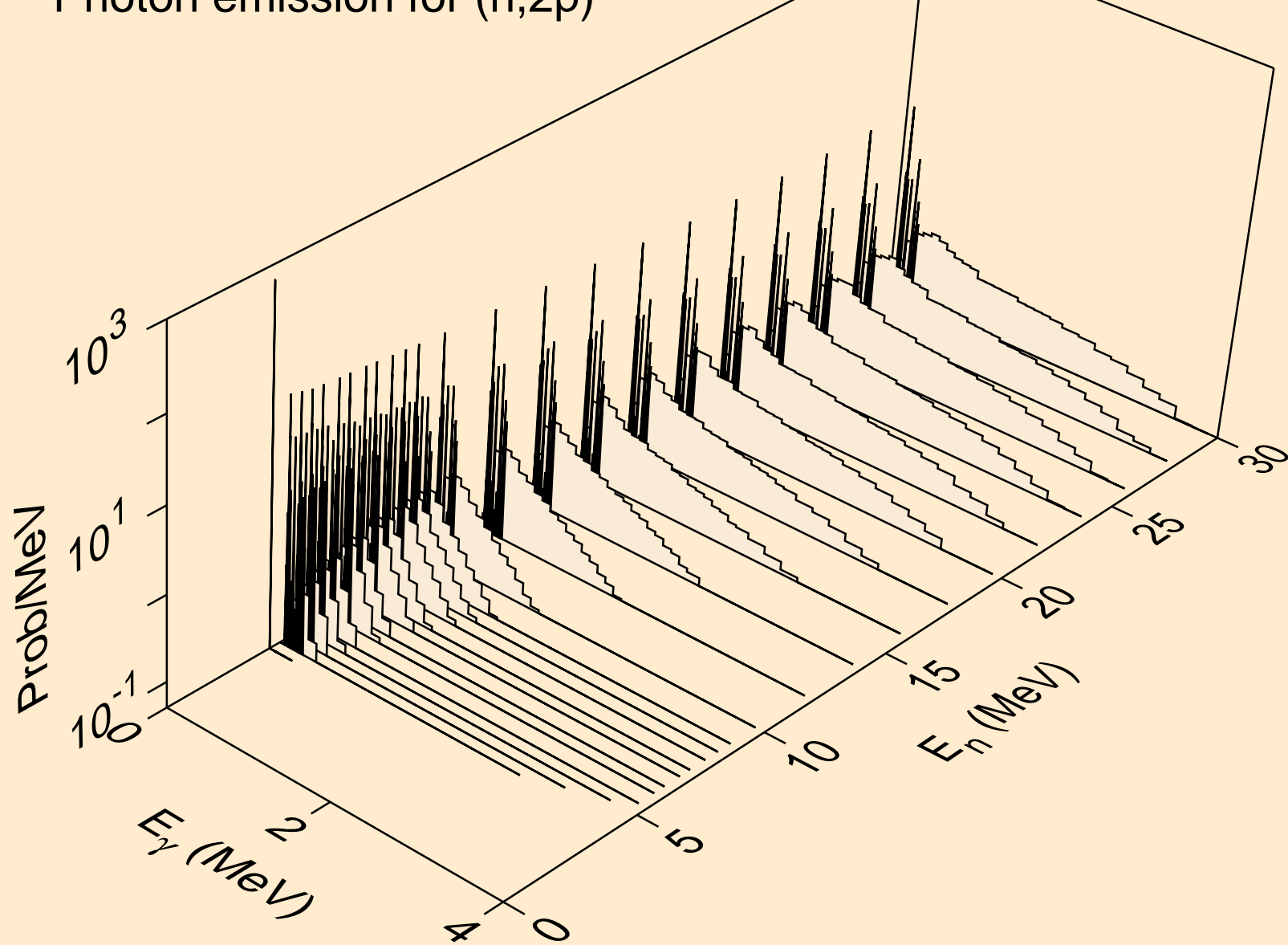
HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2a)



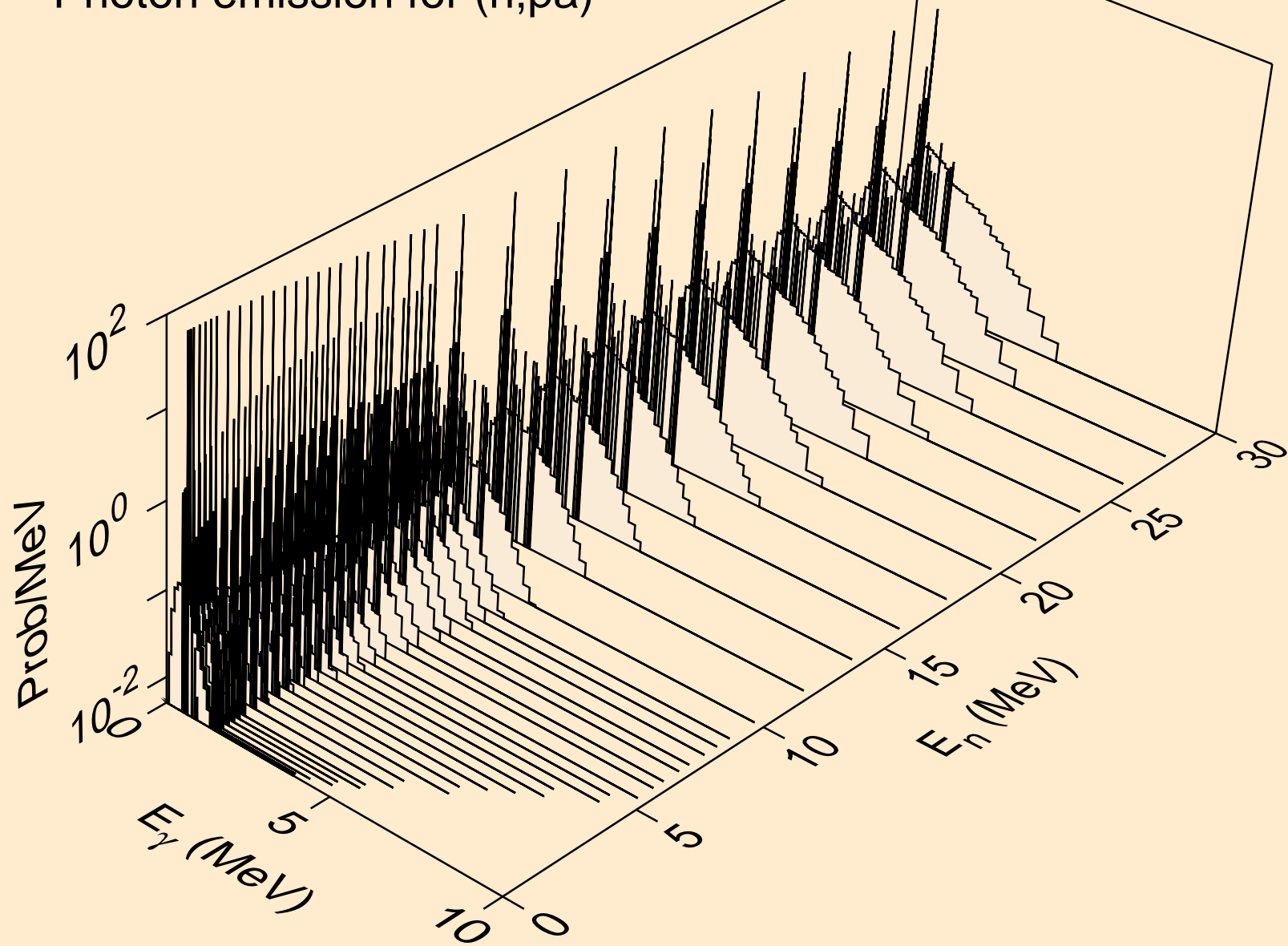
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Photon emission for (n,3a)



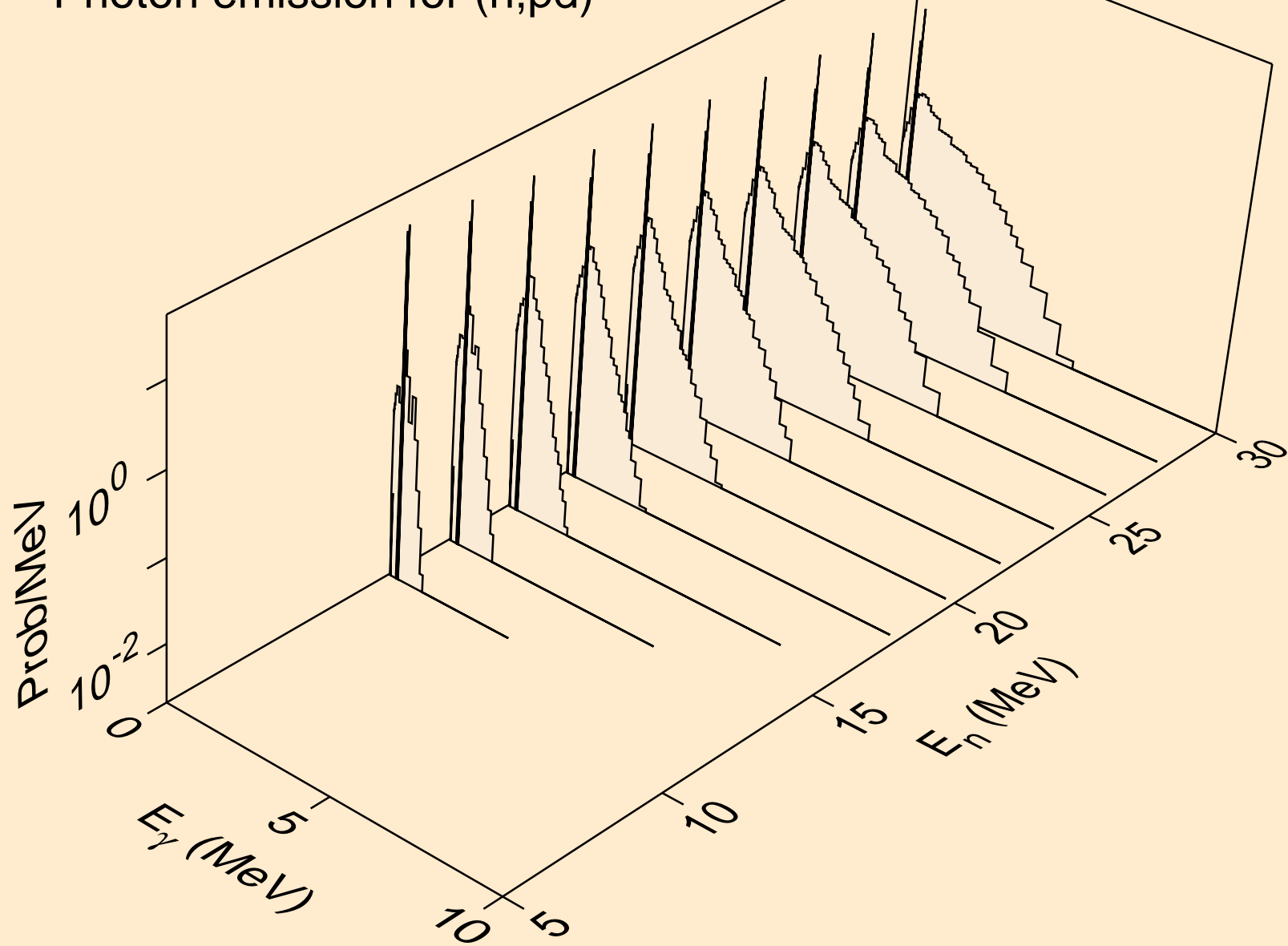
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Photon emission for (n,2p)



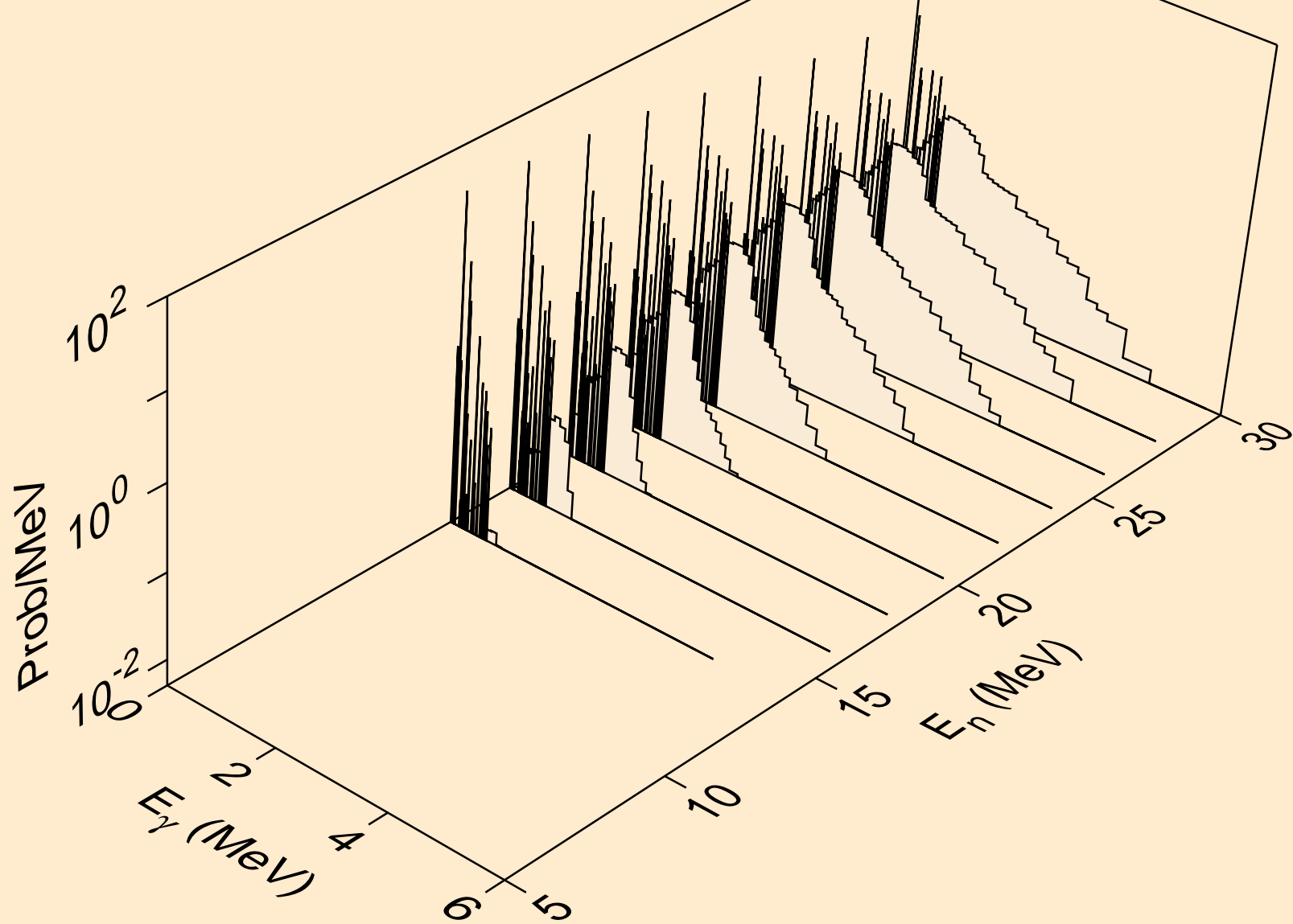
HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,p $\alpha$ )



HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,pd)

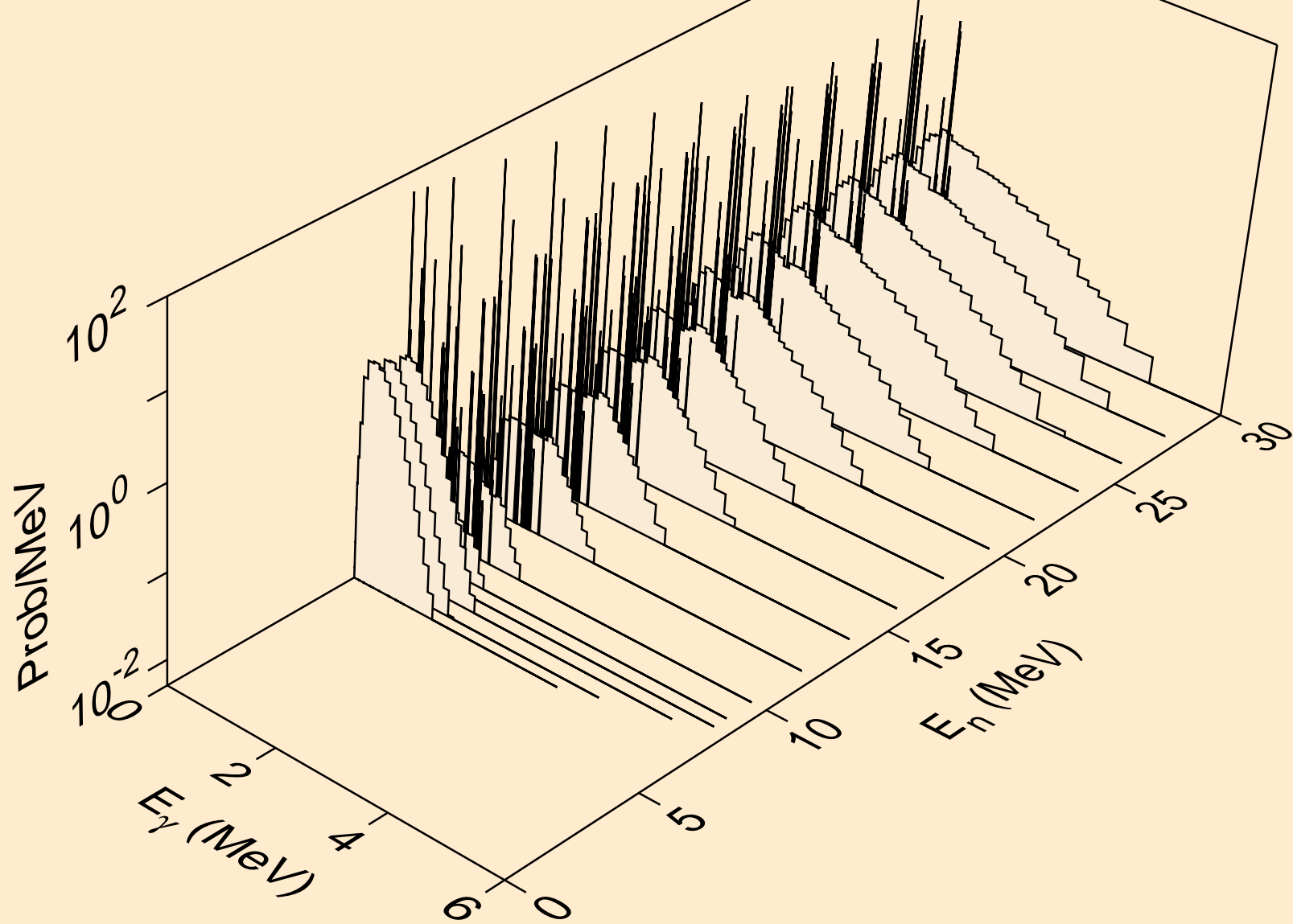


HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,pt)

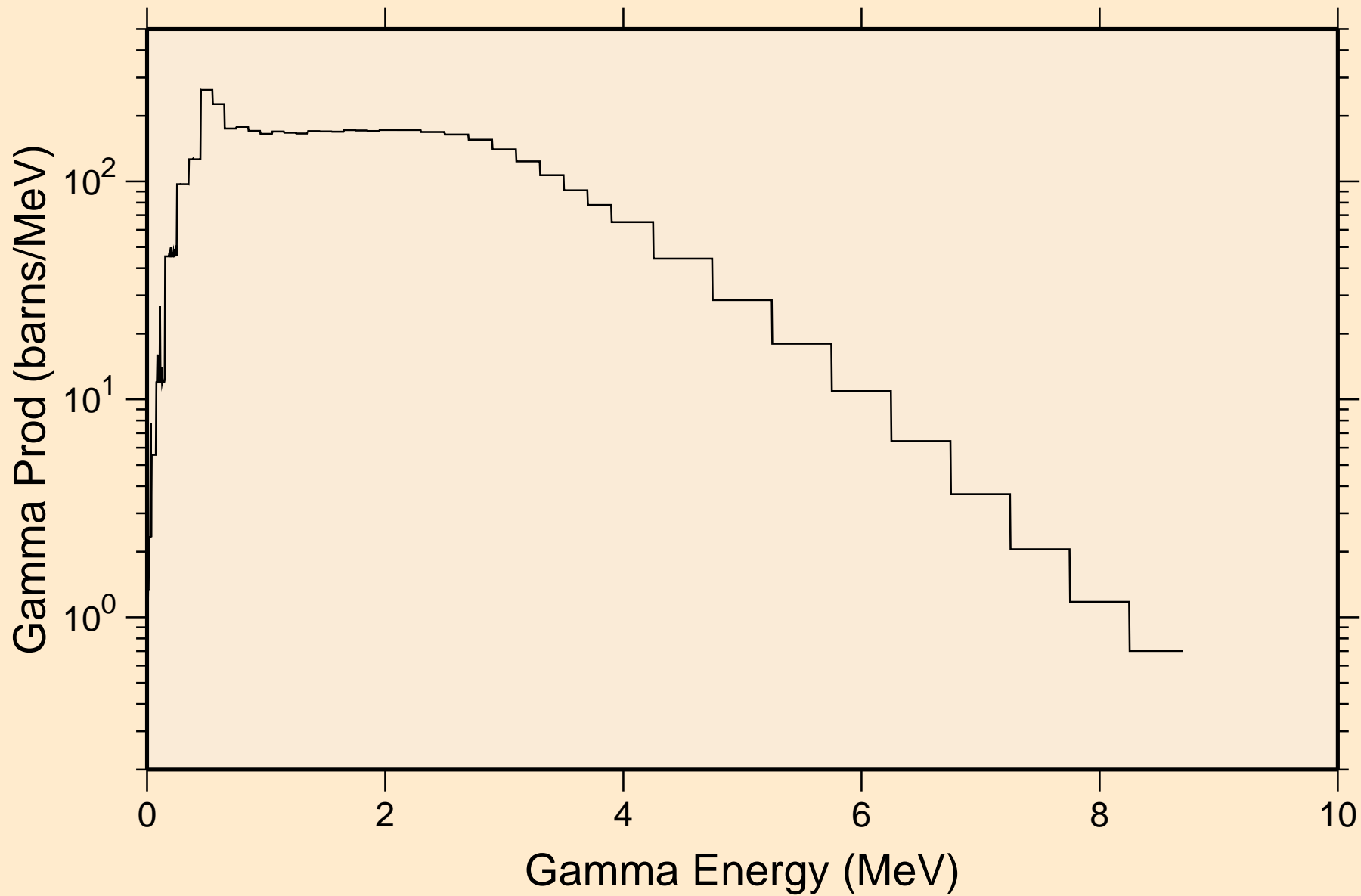




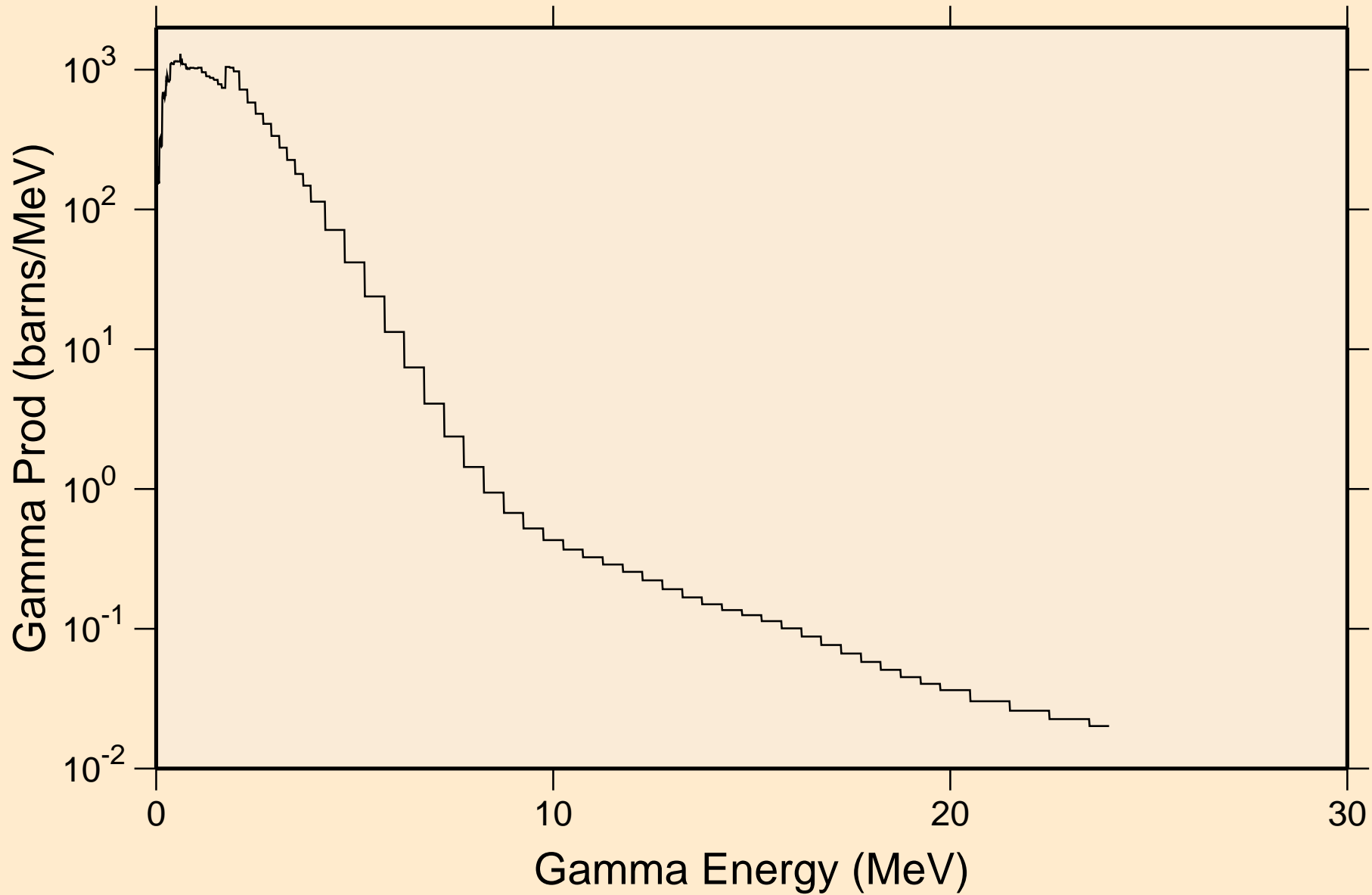
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Photon emission for (n,da)



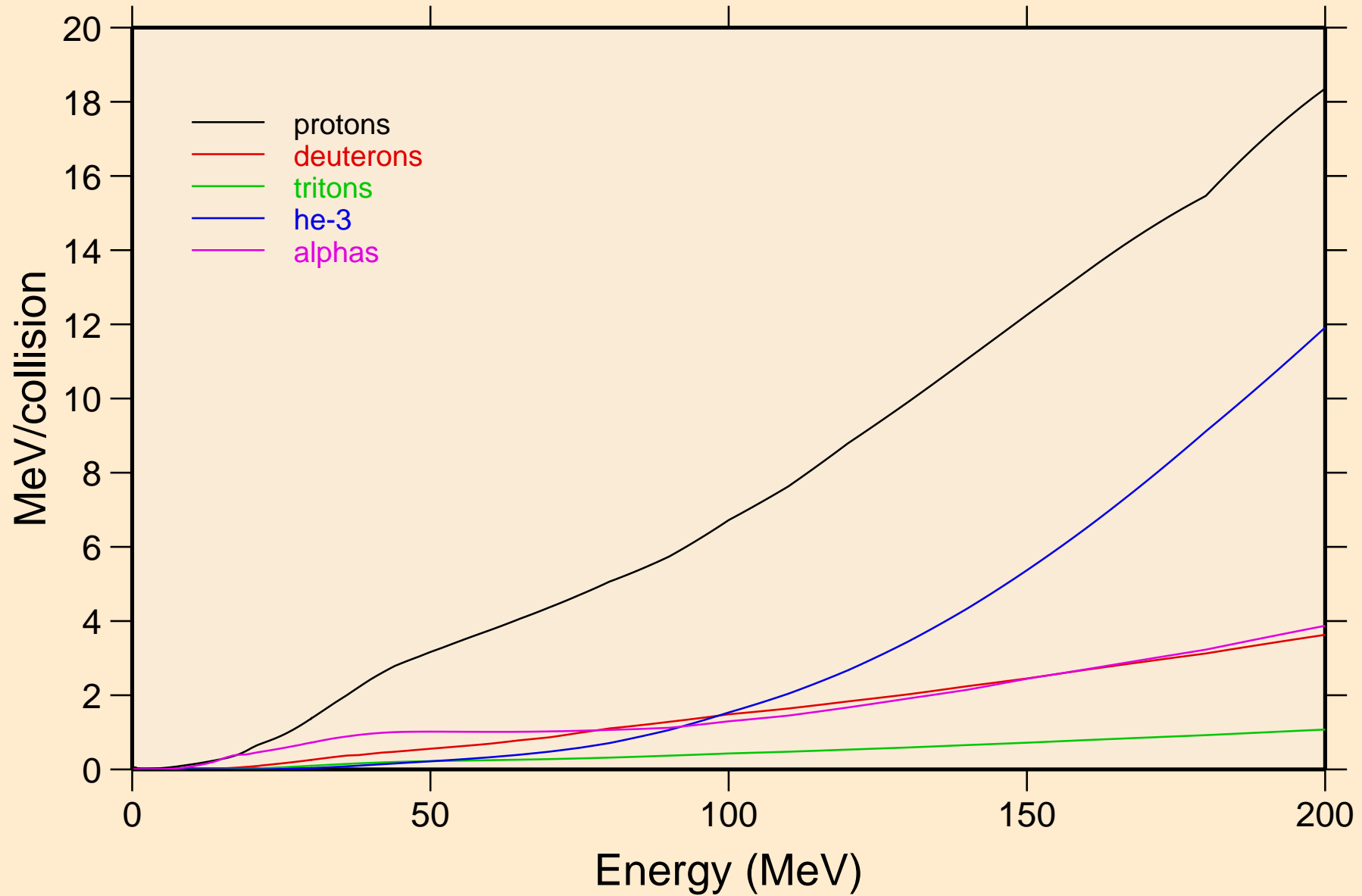
HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
thermal capture photon spectrum



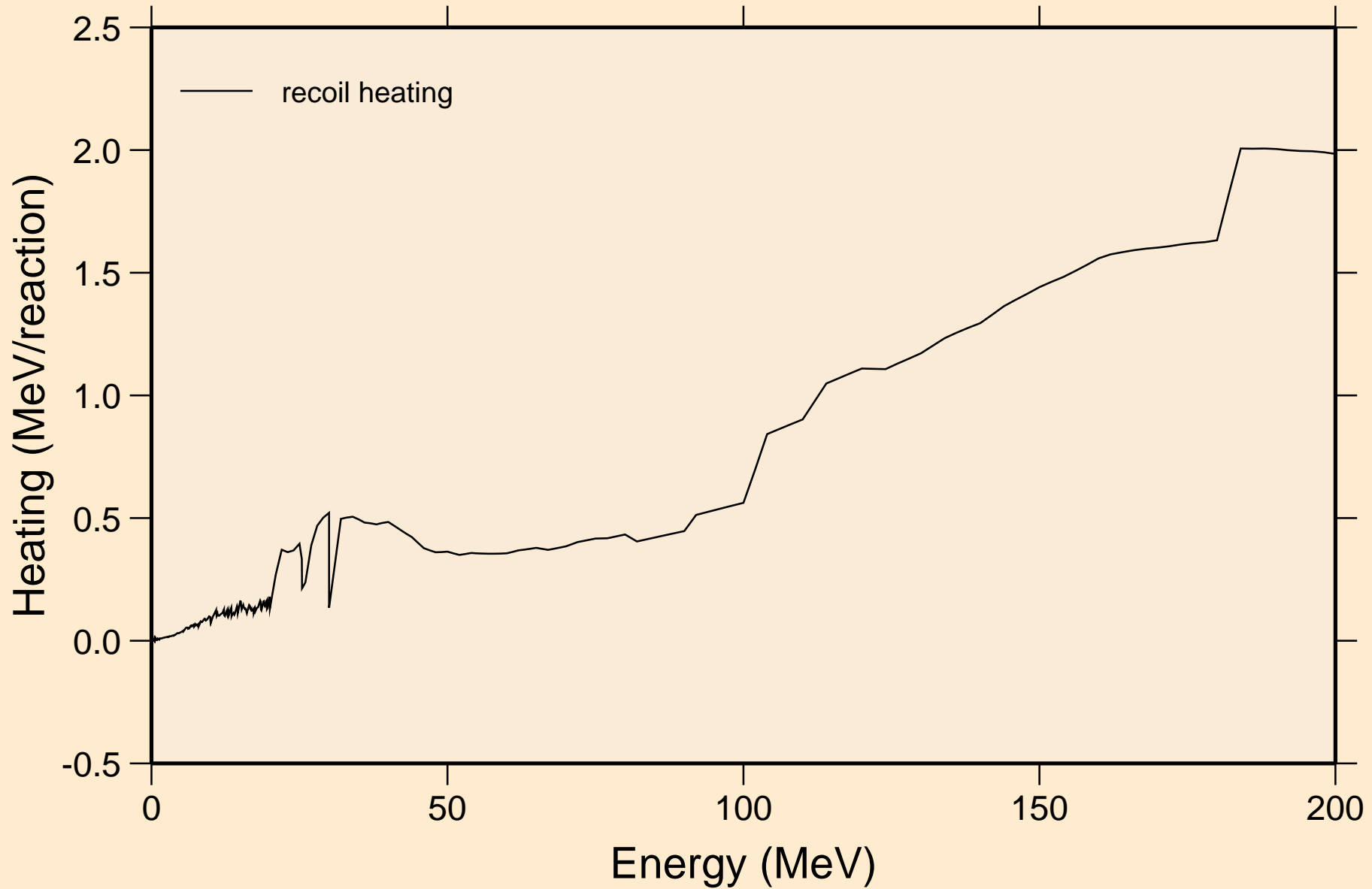
HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
14 MeV photon spectrum



HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Particle heating contributions

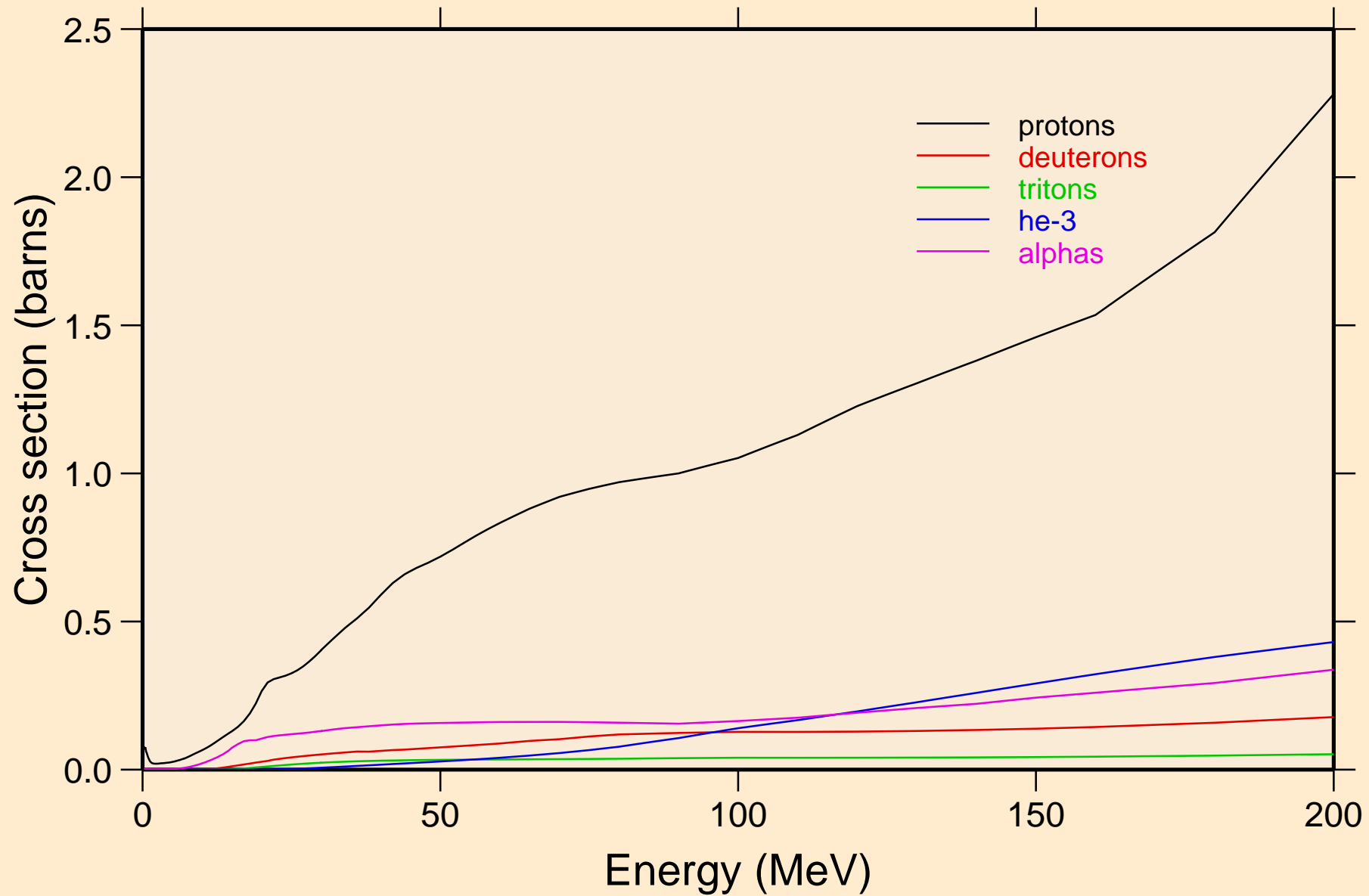


HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Recoil Heating

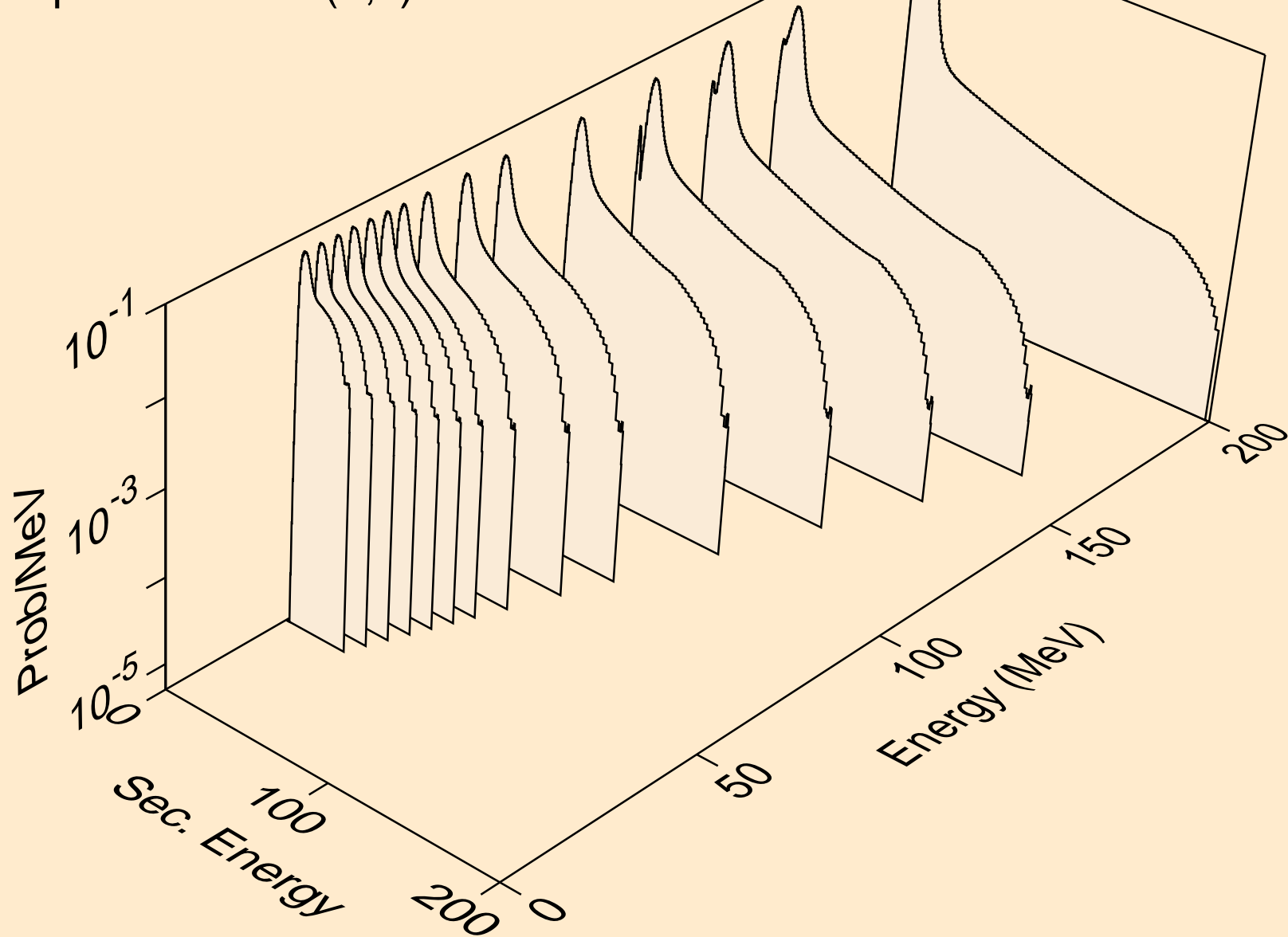


# HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

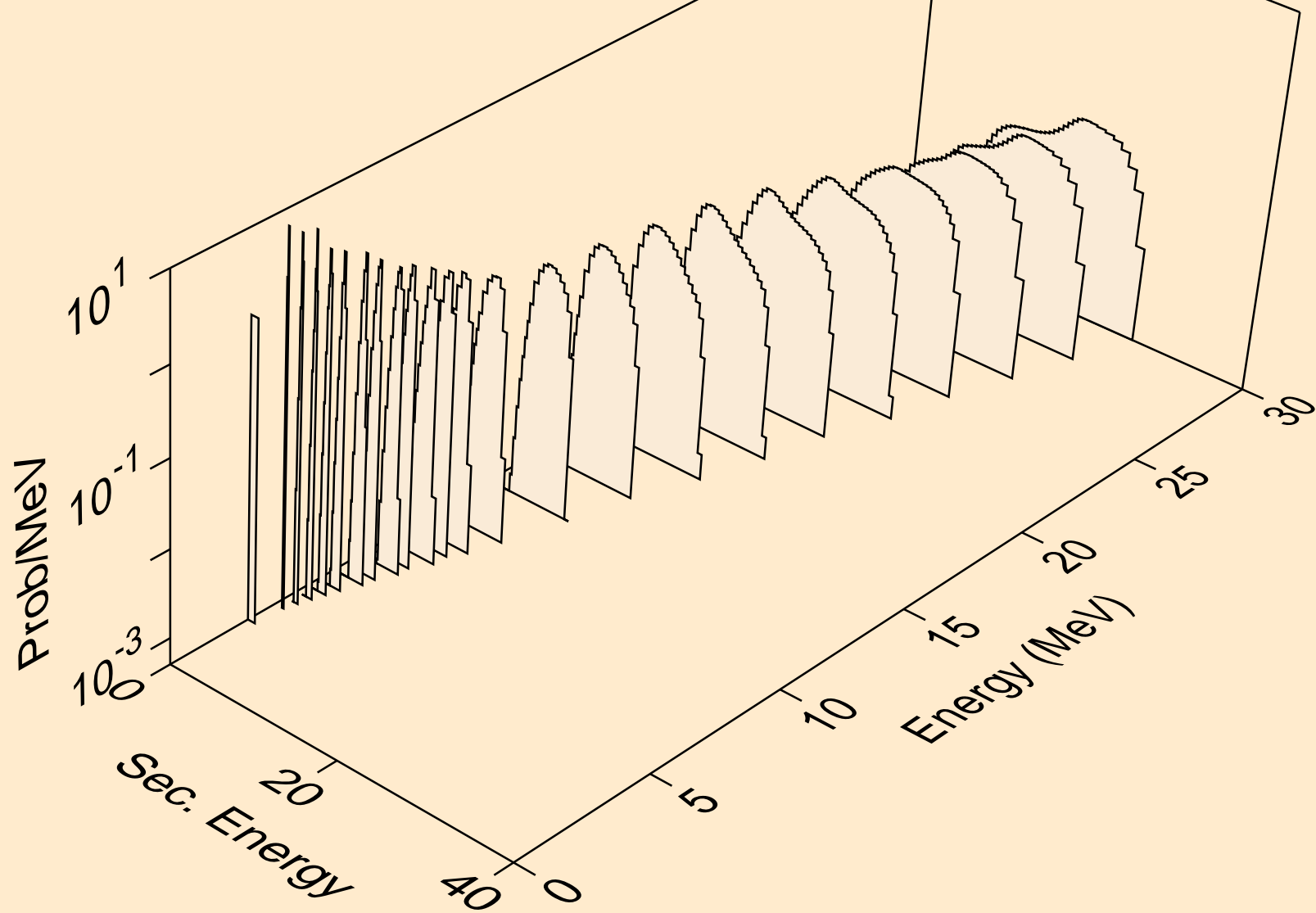
## Particle production cross sections



HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,x)

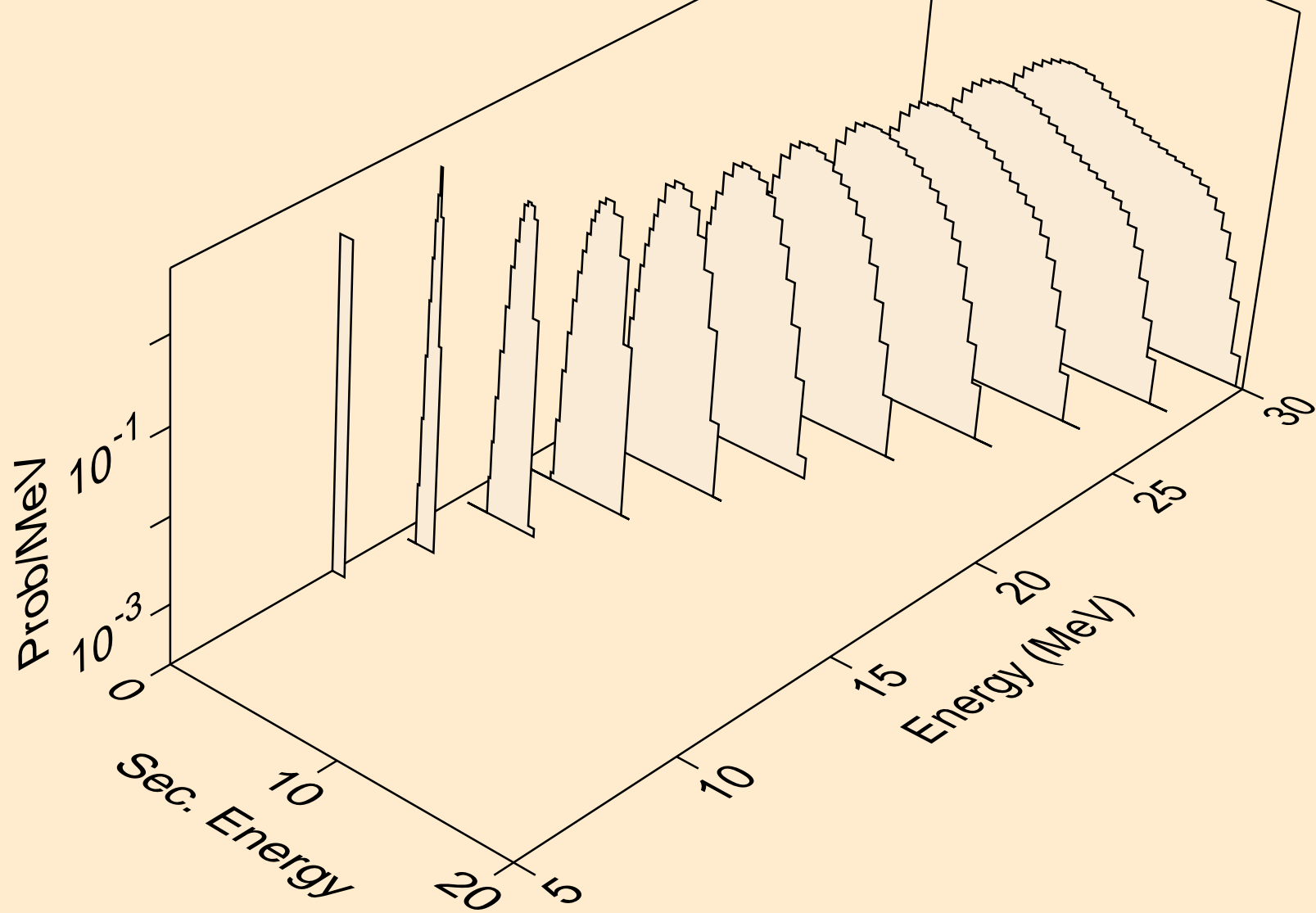


HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,n\*)p

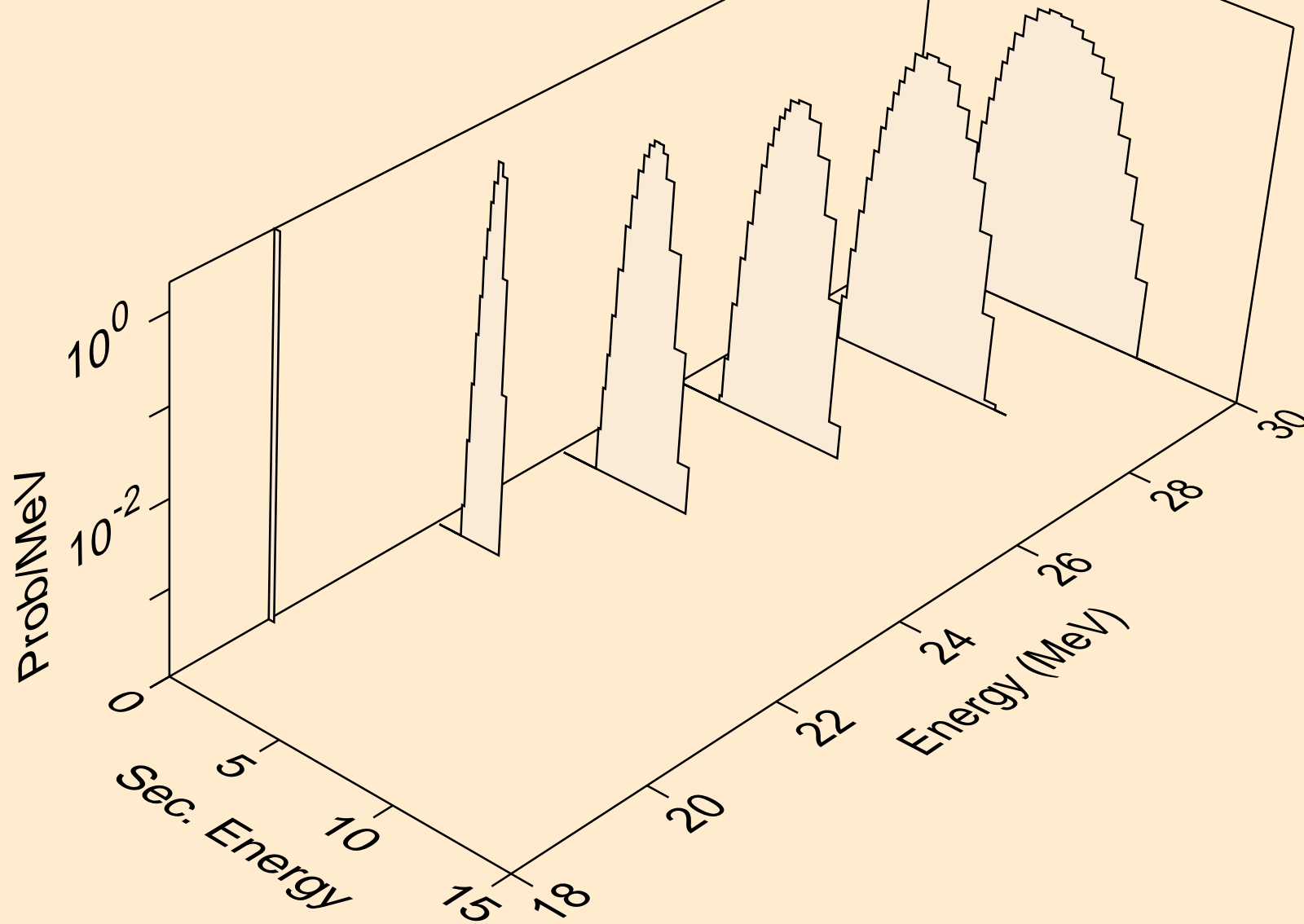




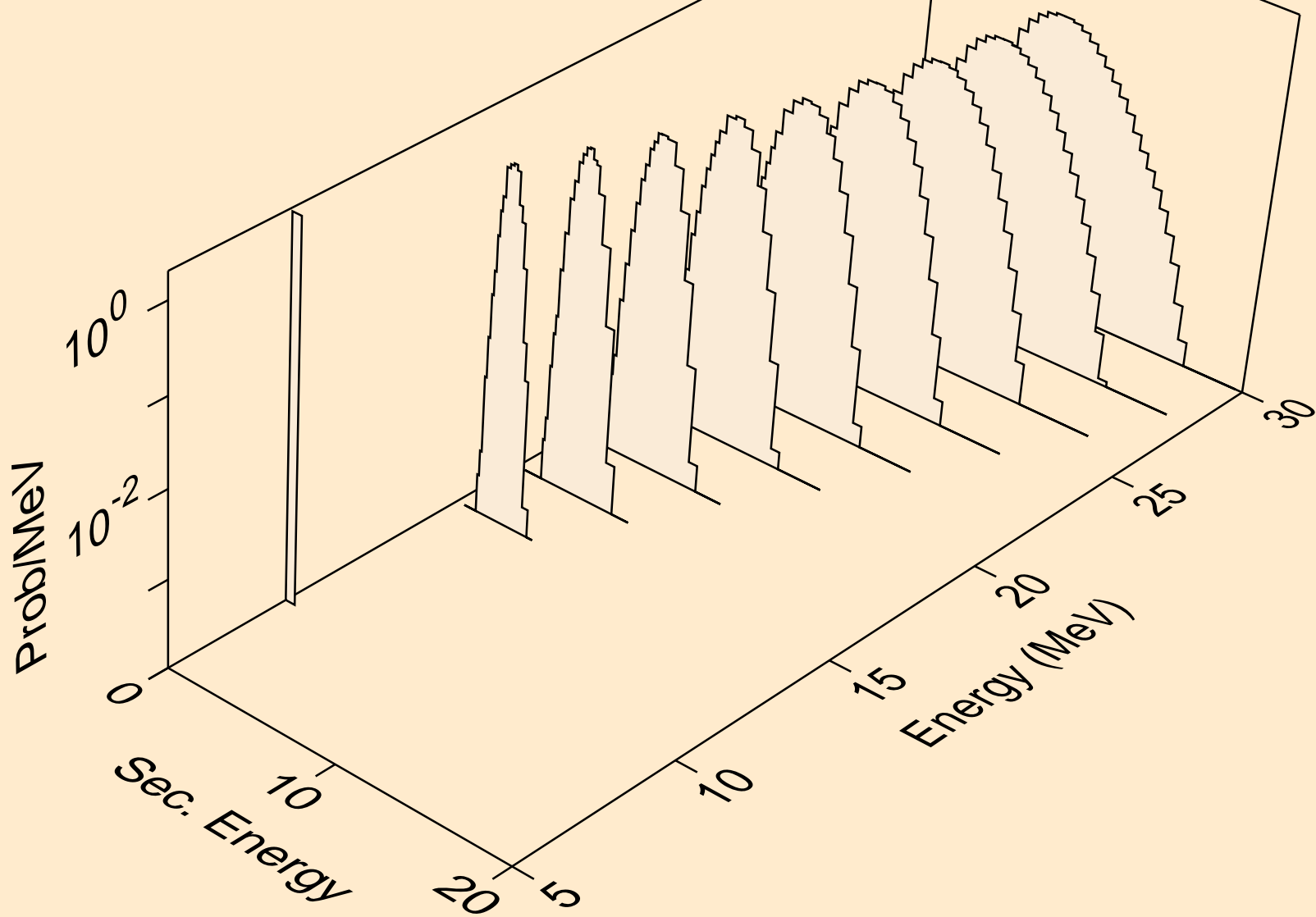
HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,2np)



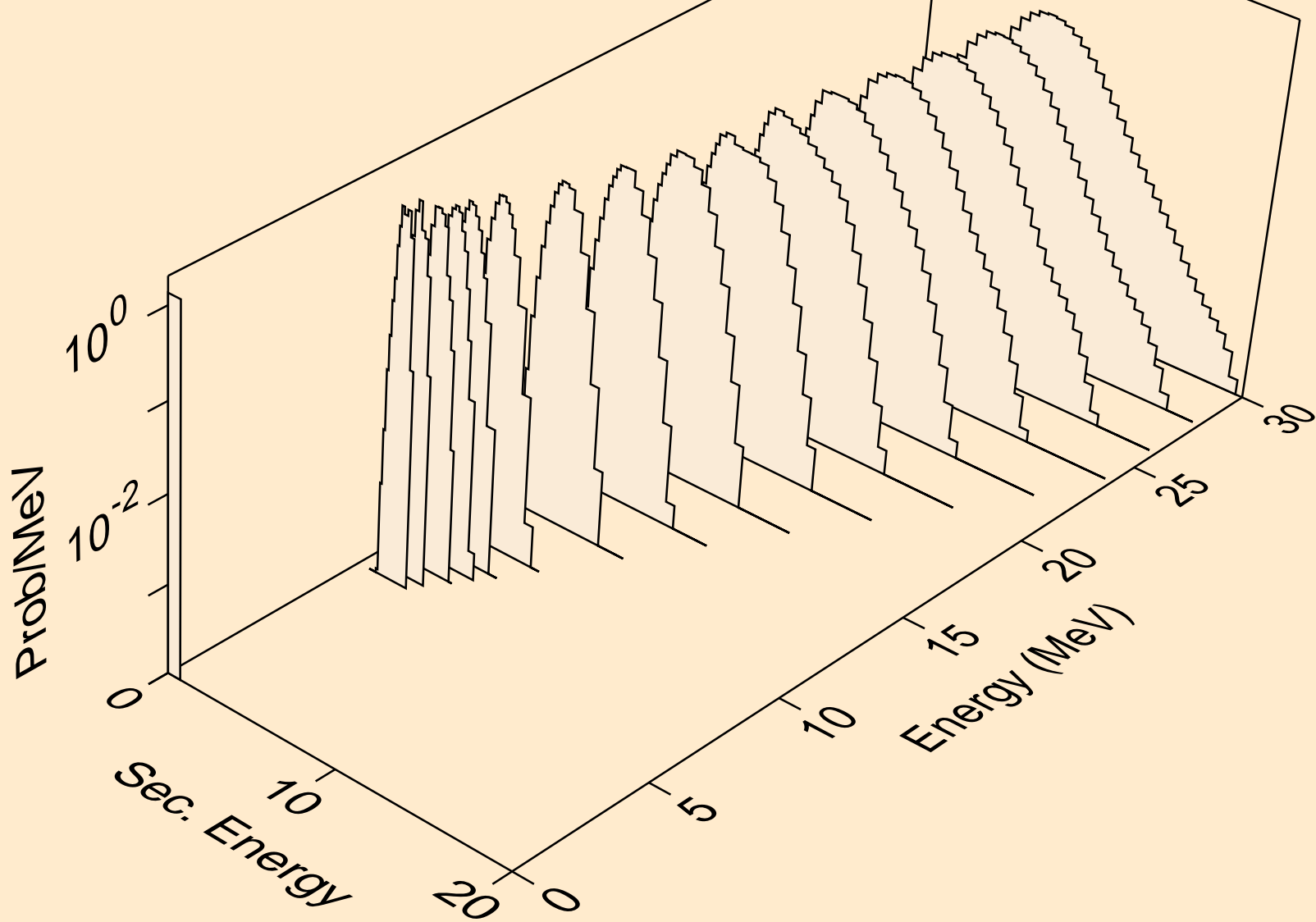
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protons from (n,3np)



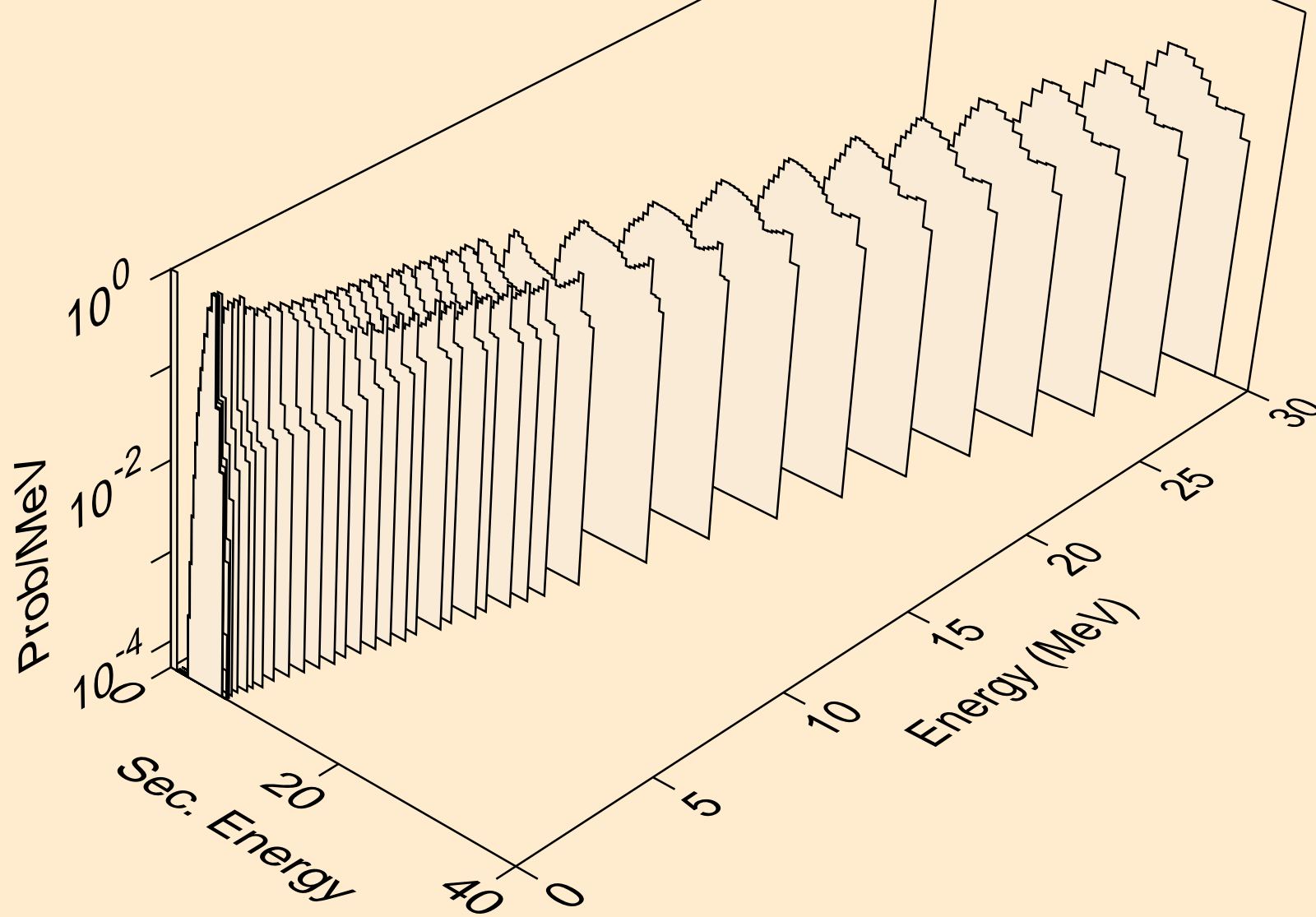
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protons from (n,2np)



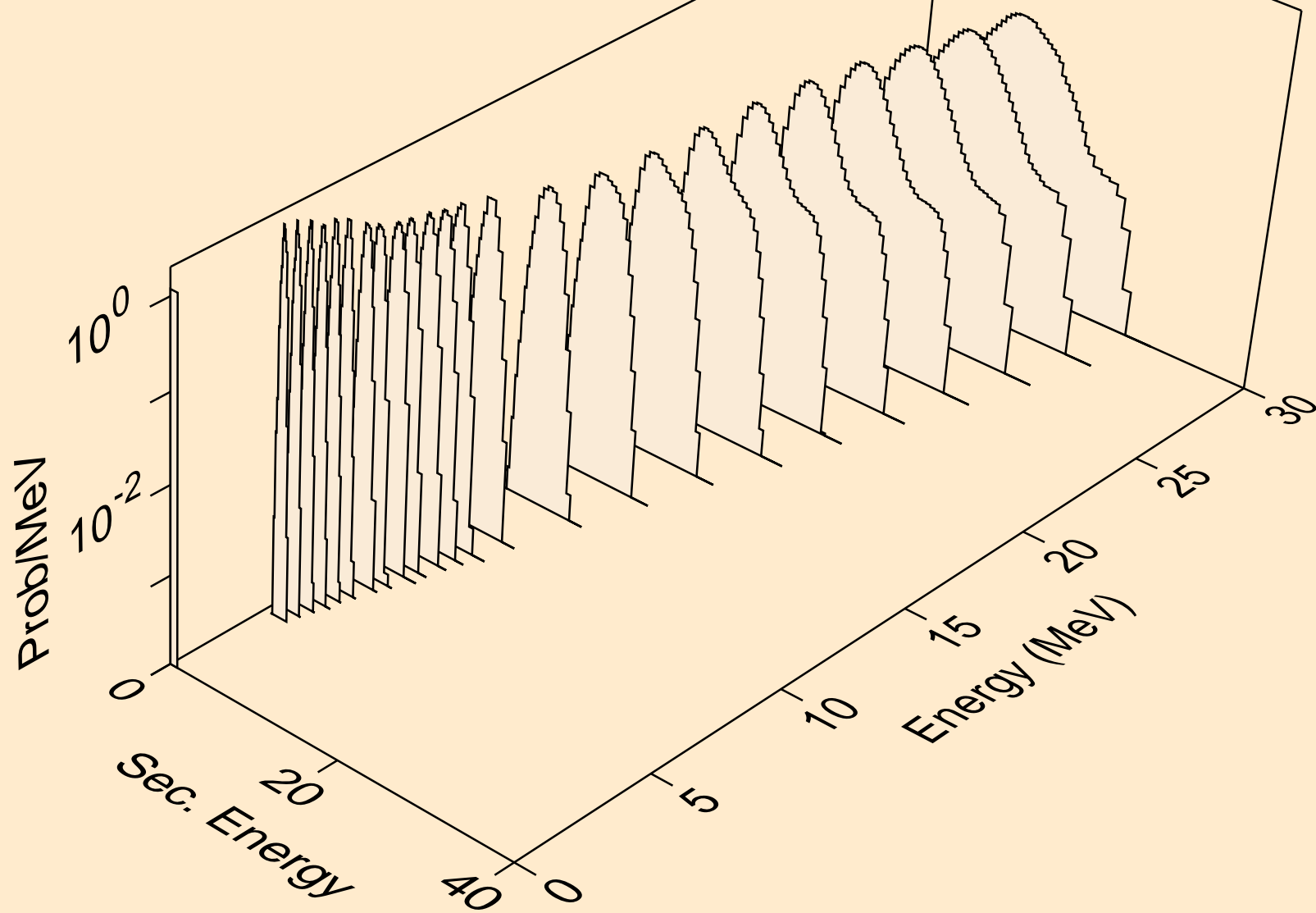
HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,npa)



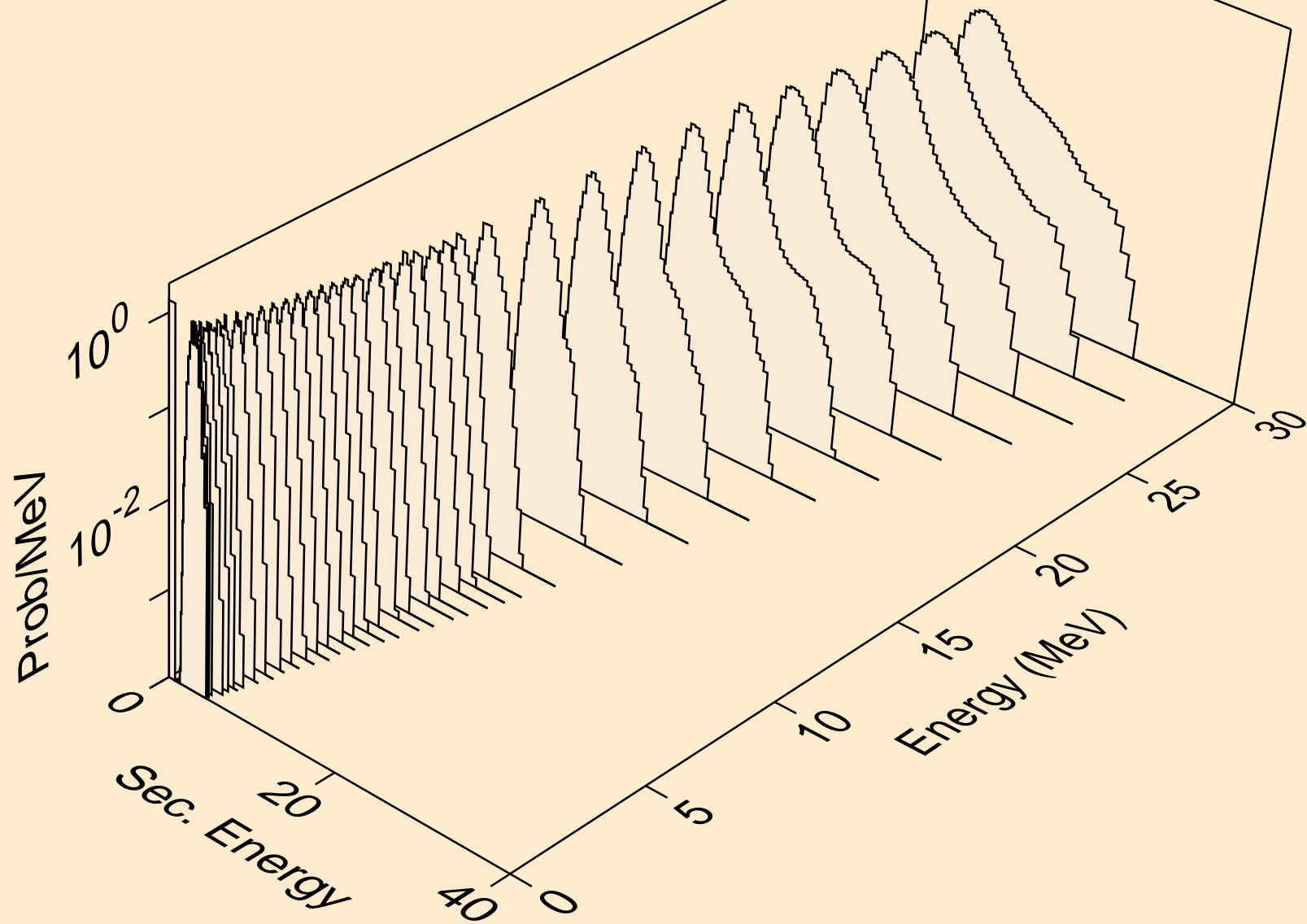
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protons from (n,p)



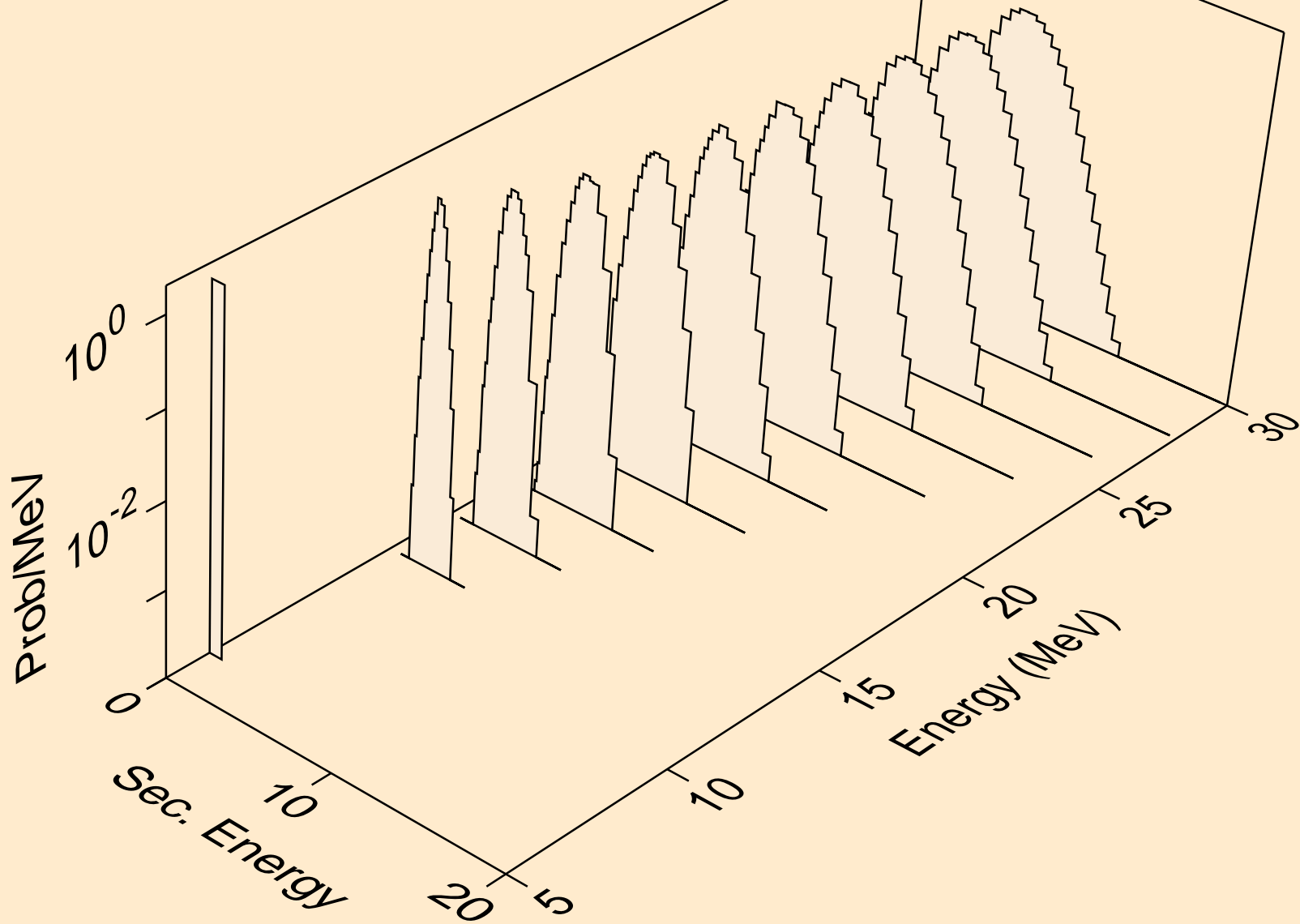
HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,2p)



HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,p)

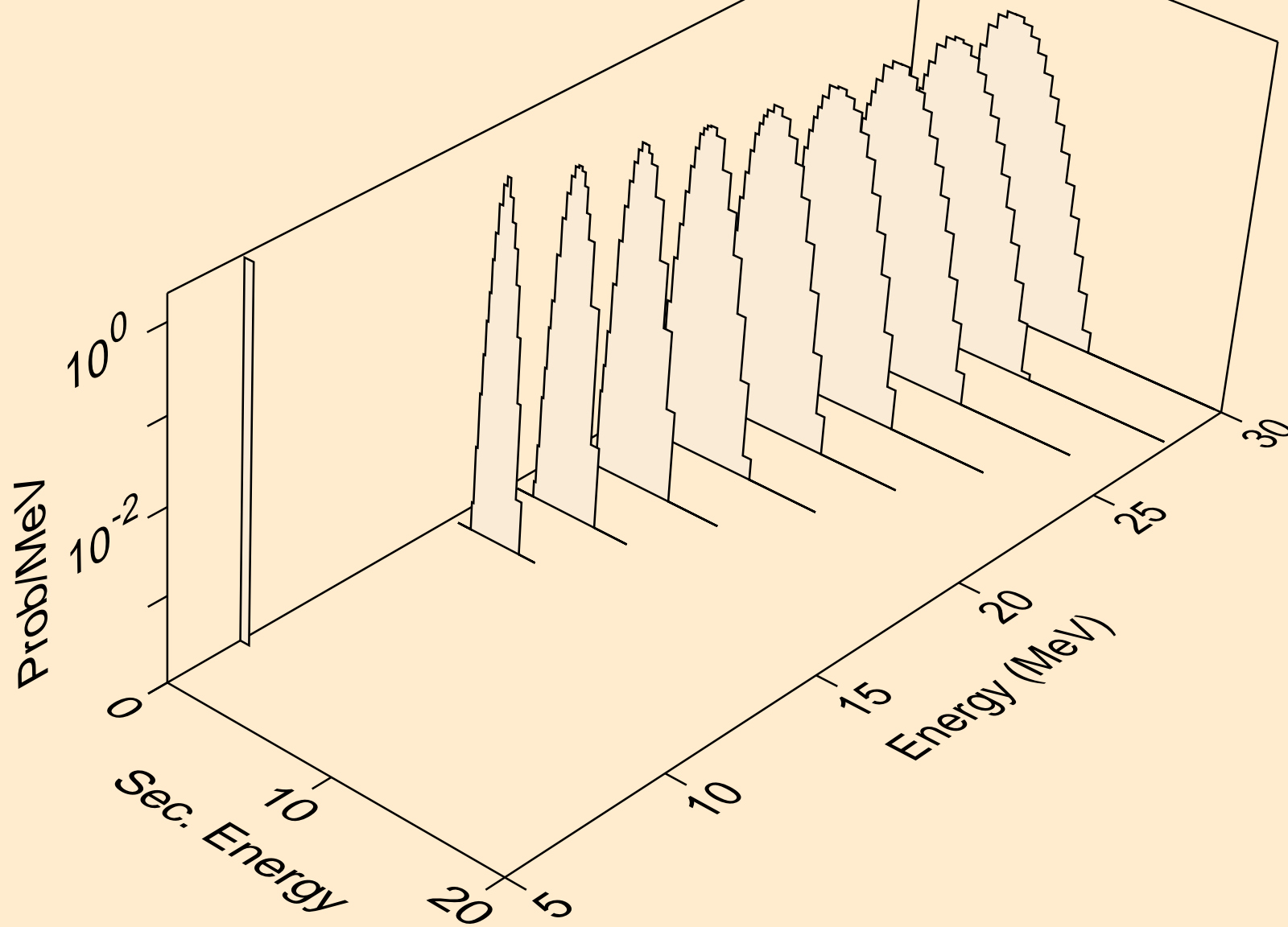


HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,pd)

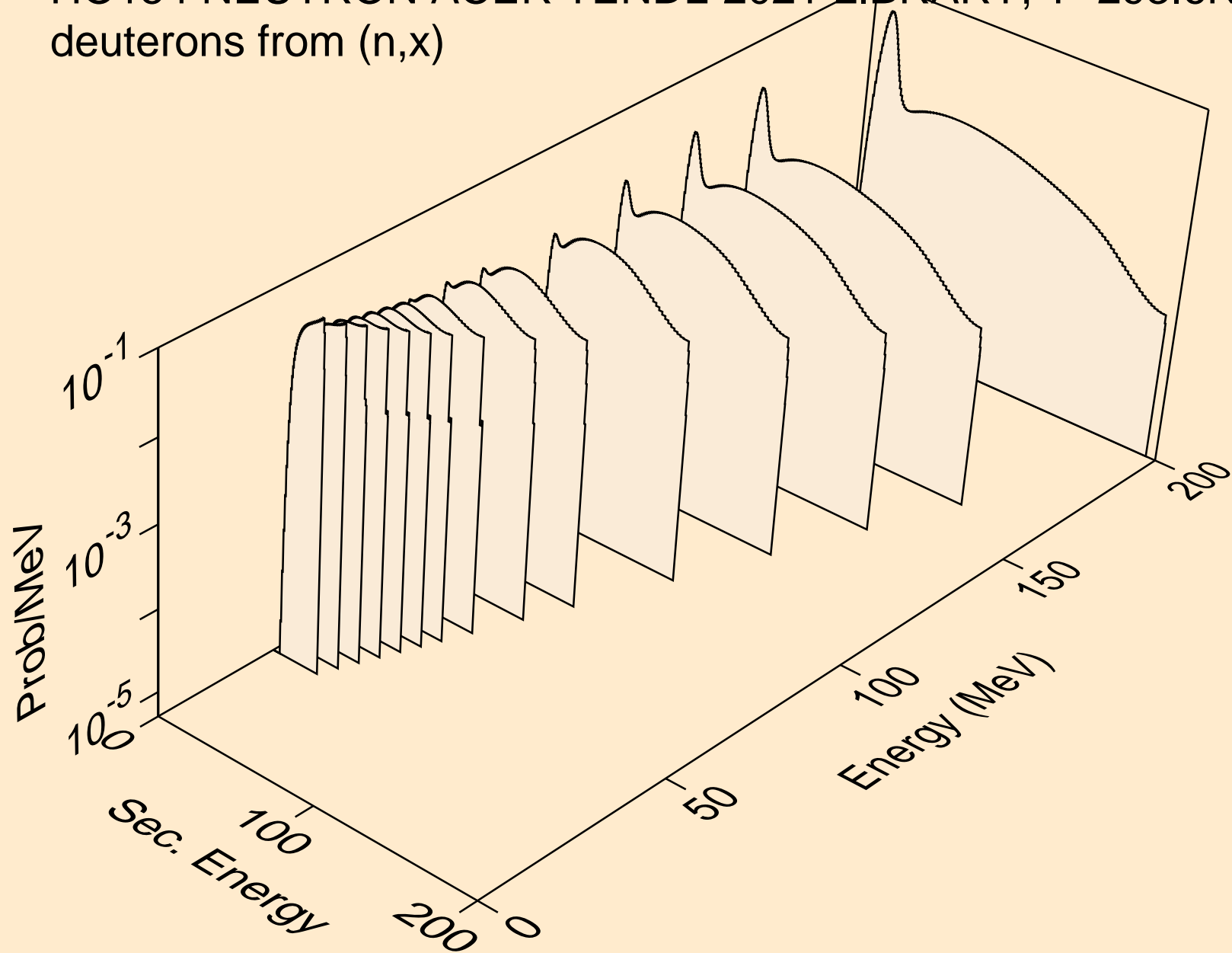




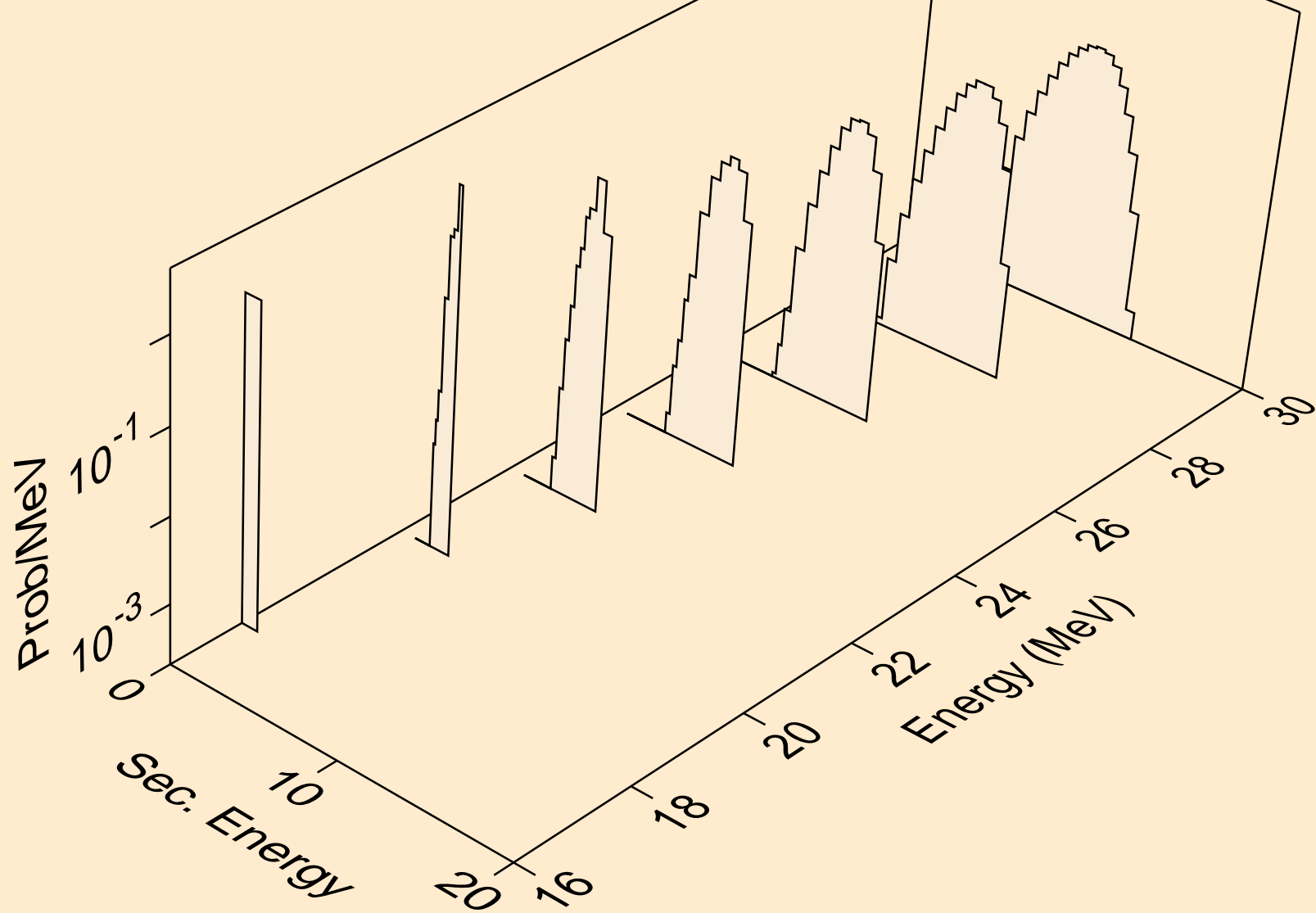
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protons from (n,pt)



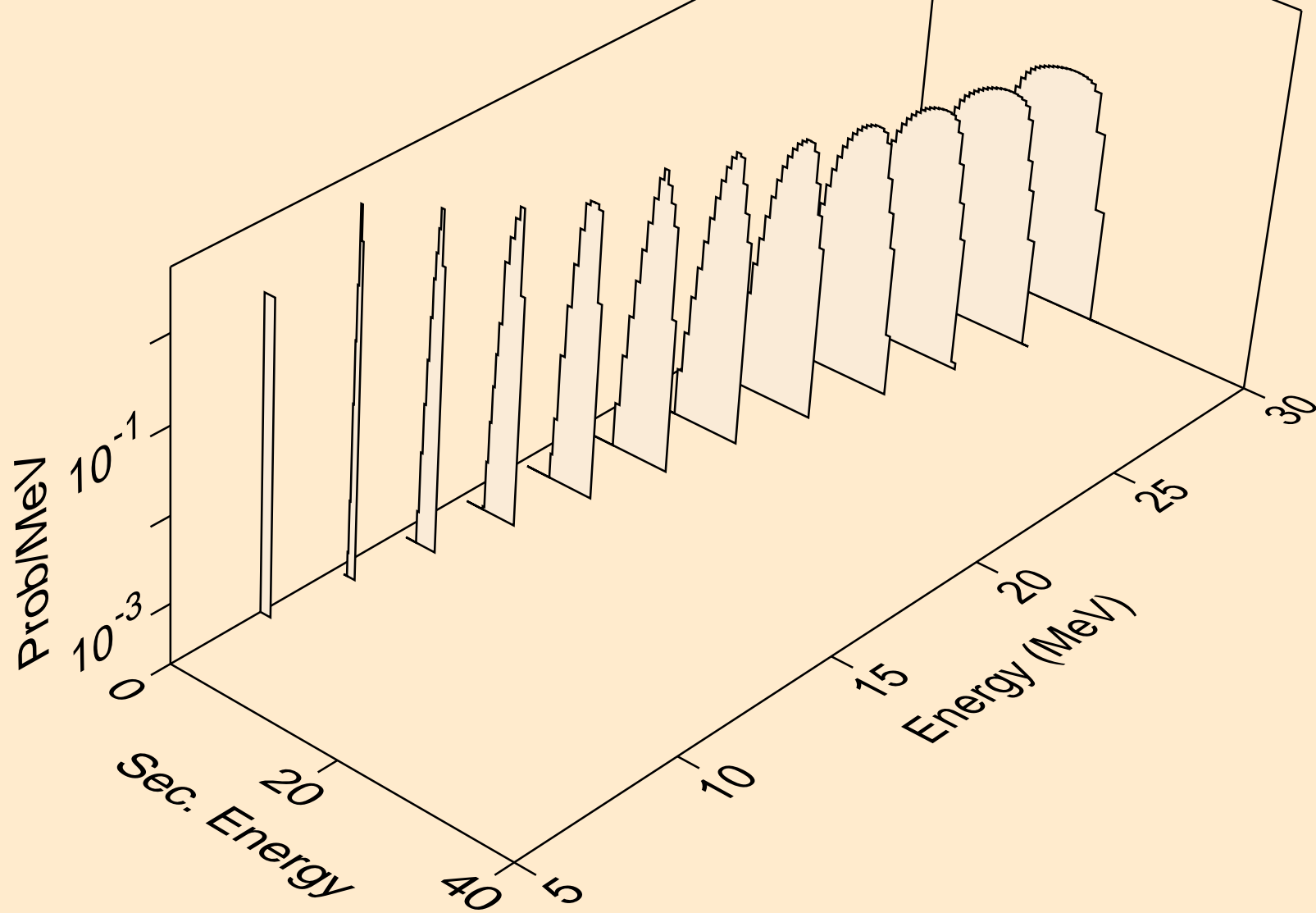
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deuterons from (n,x)



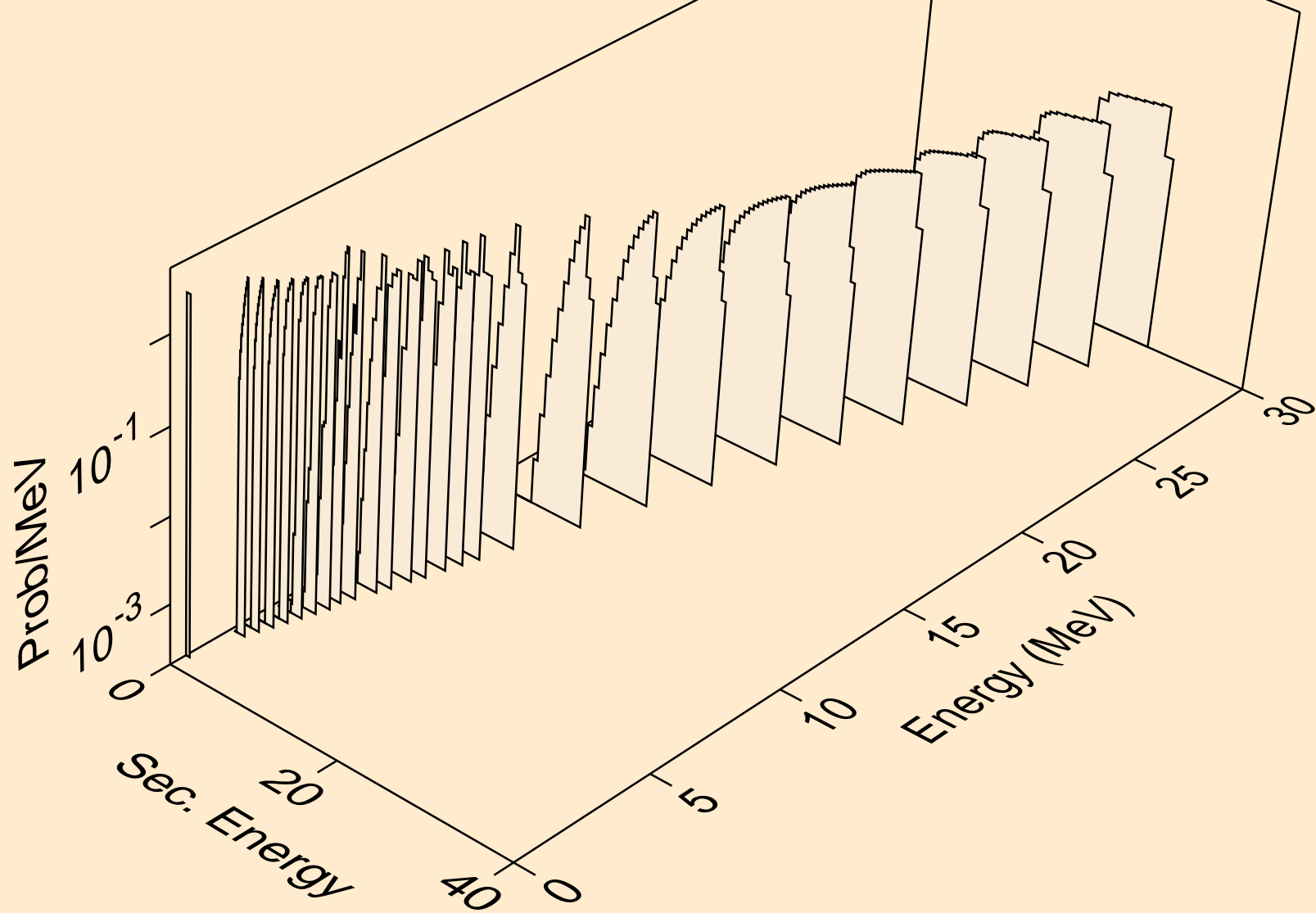
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deuterons from (n,2nd)



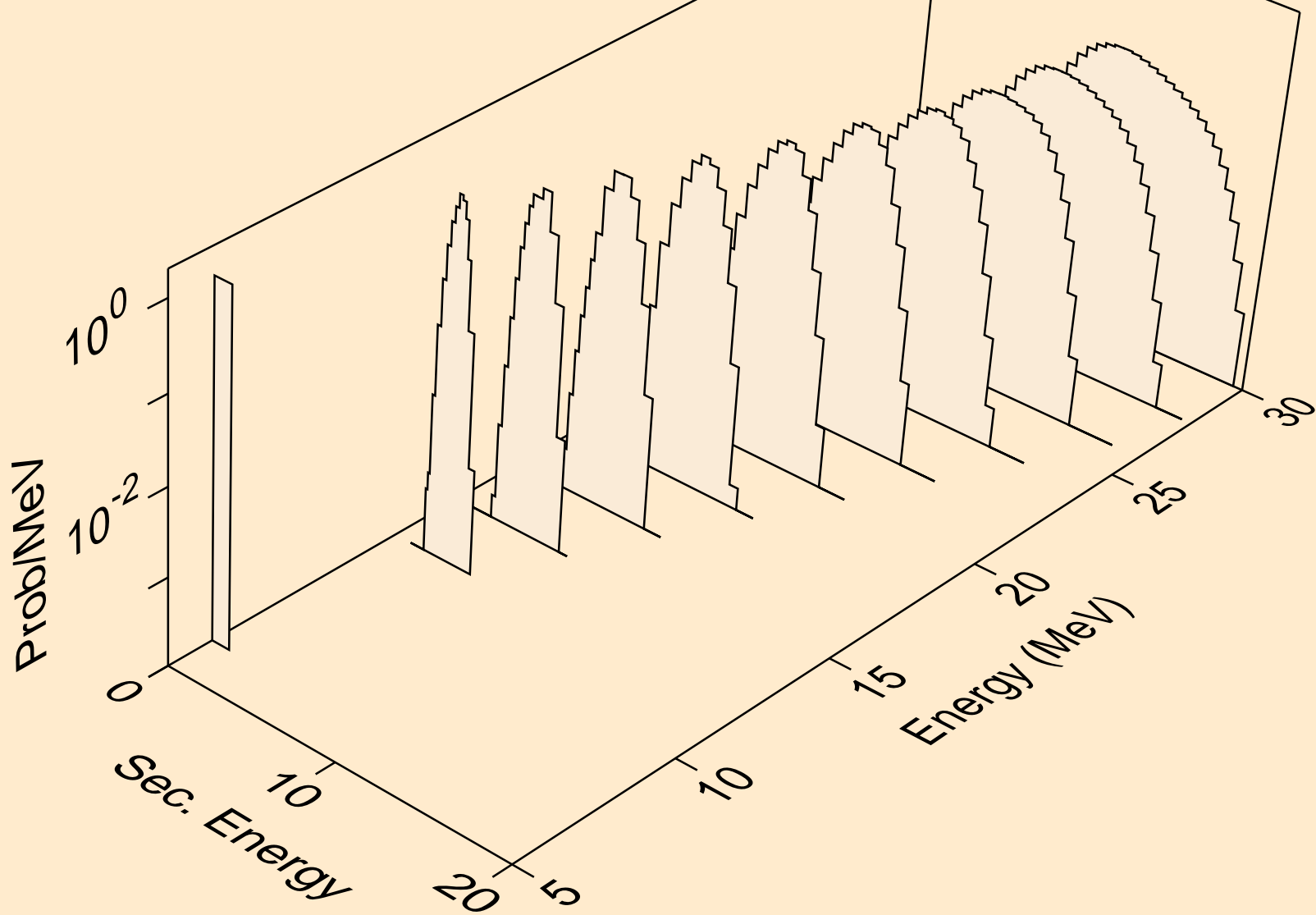
HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,n\*)d



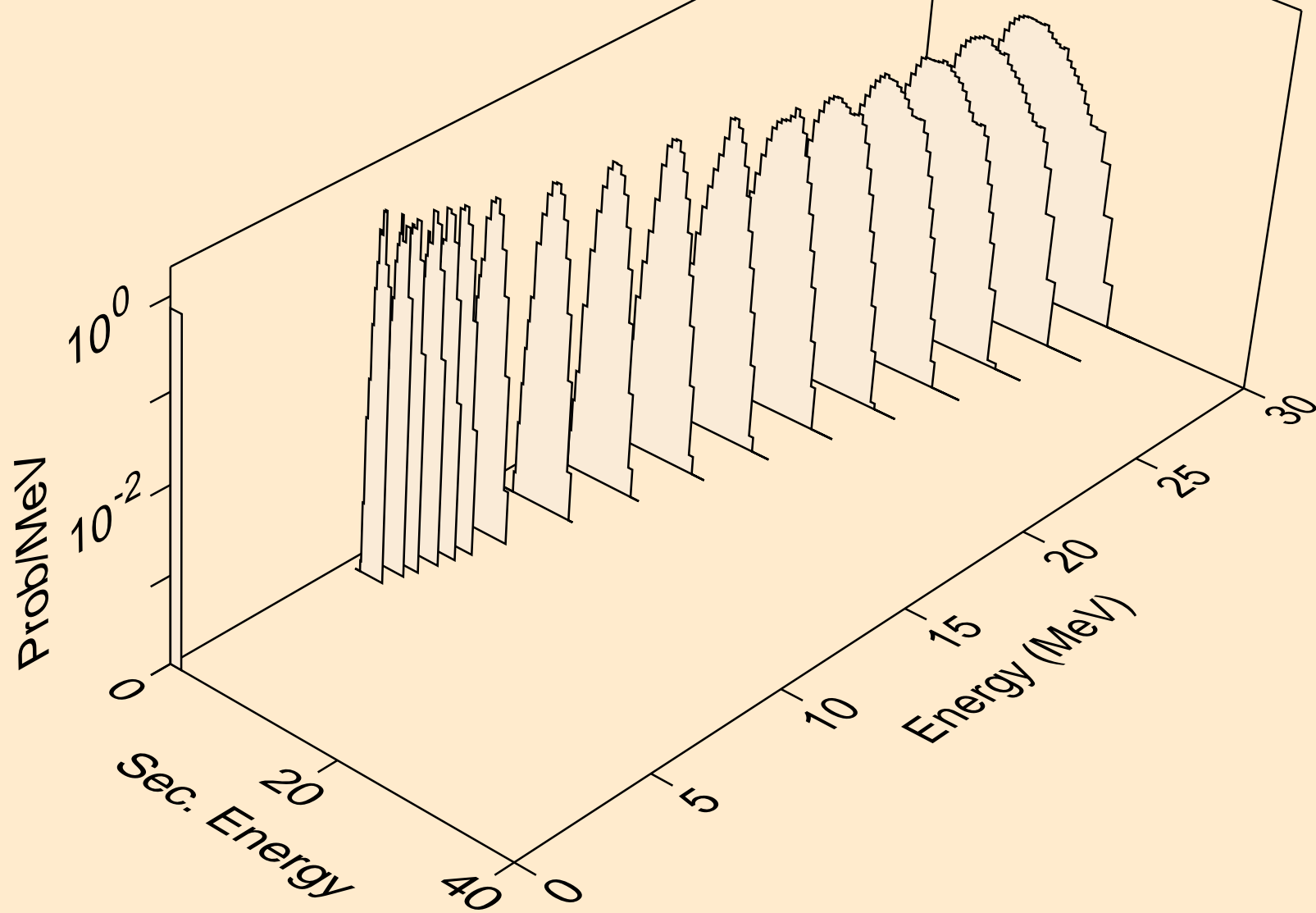
HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,d)



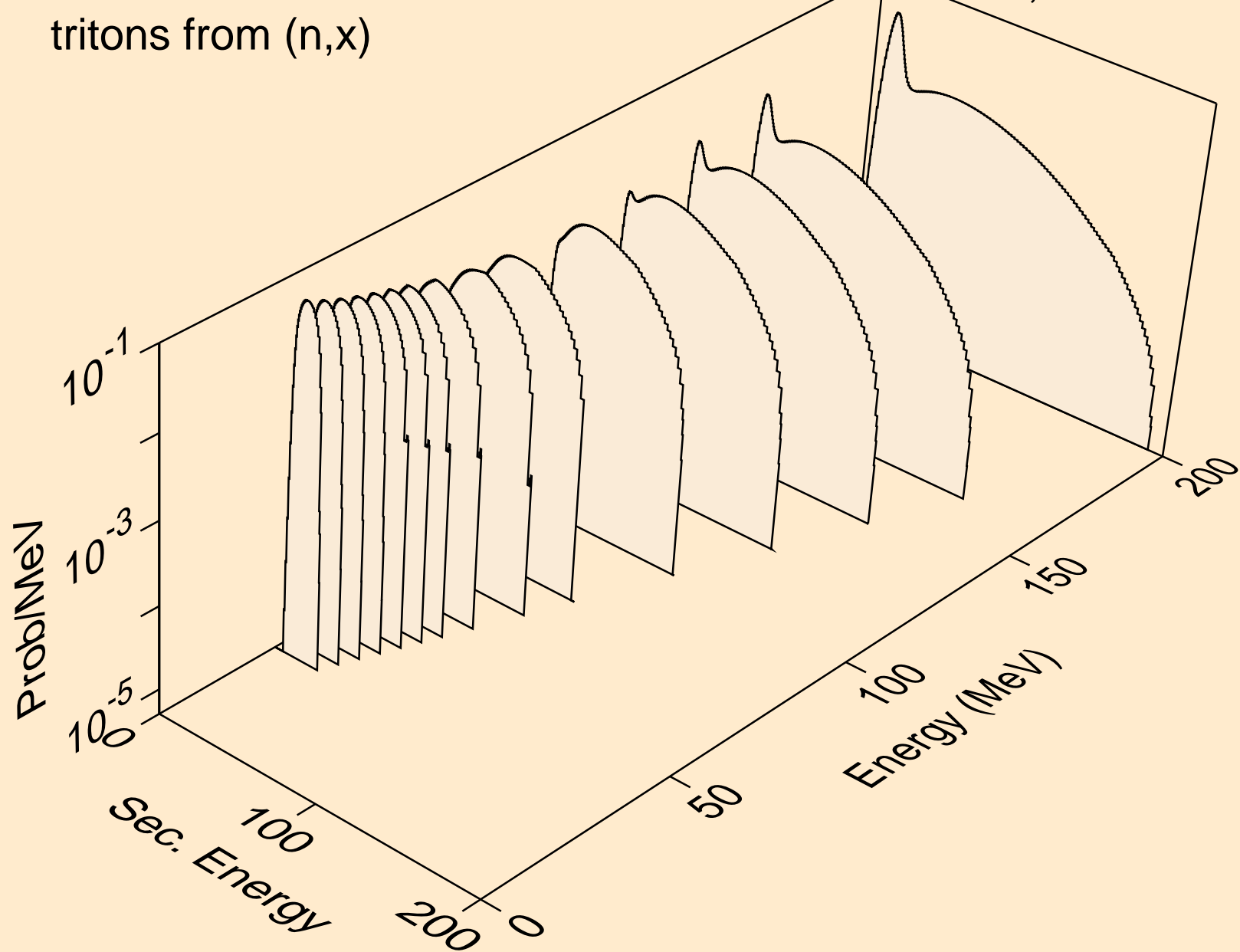
HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,pd)



HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,da)

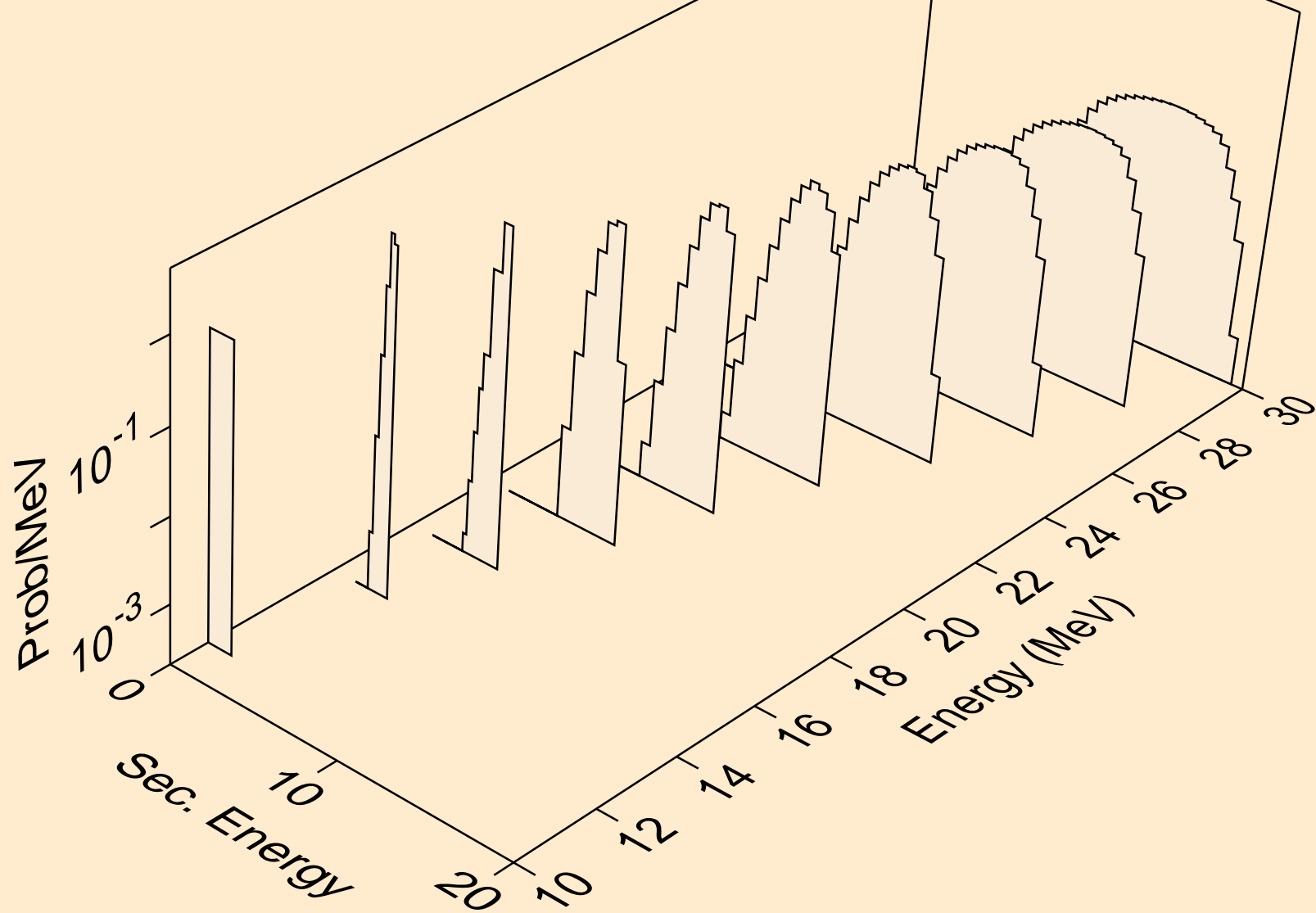


HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,x)

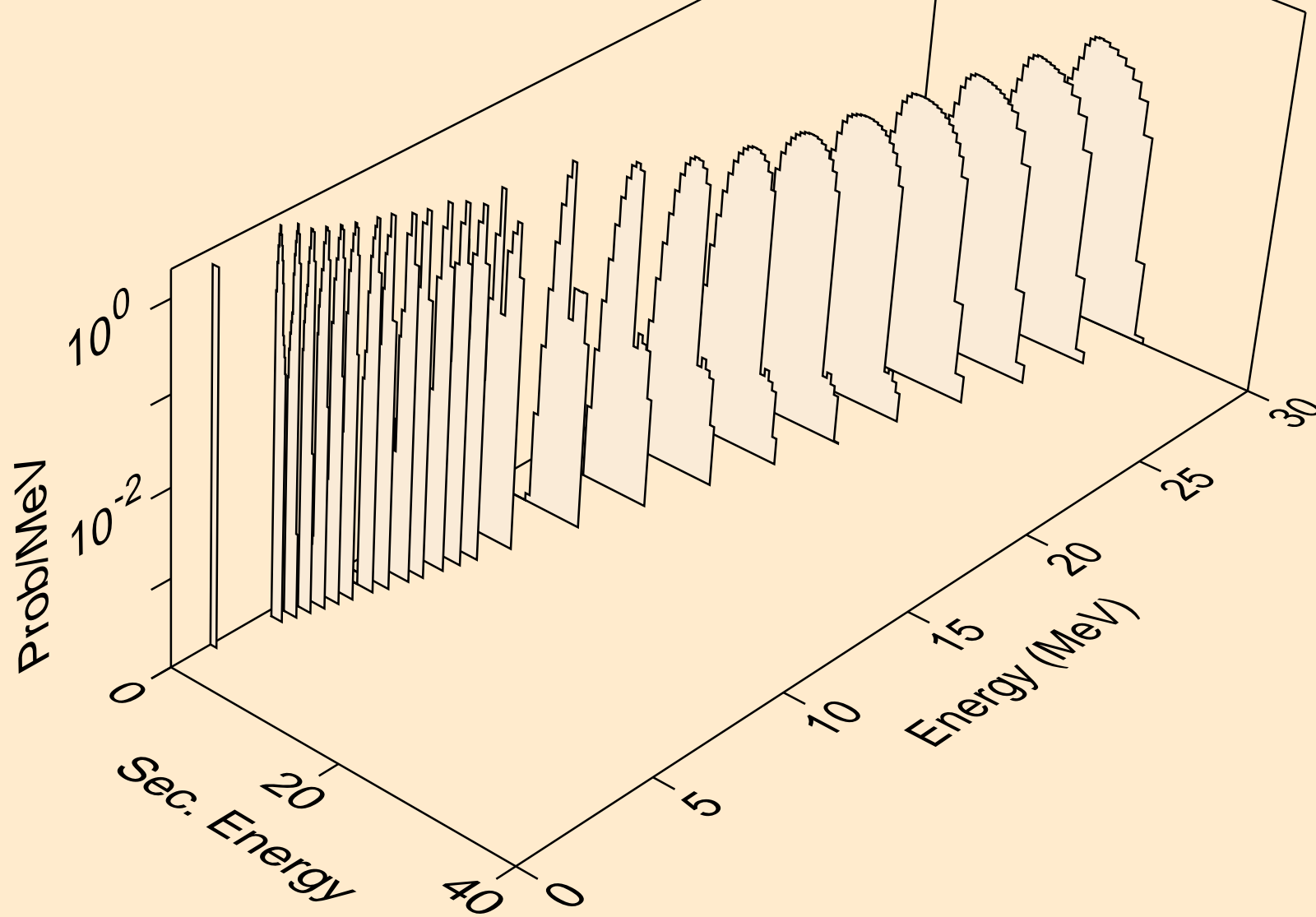




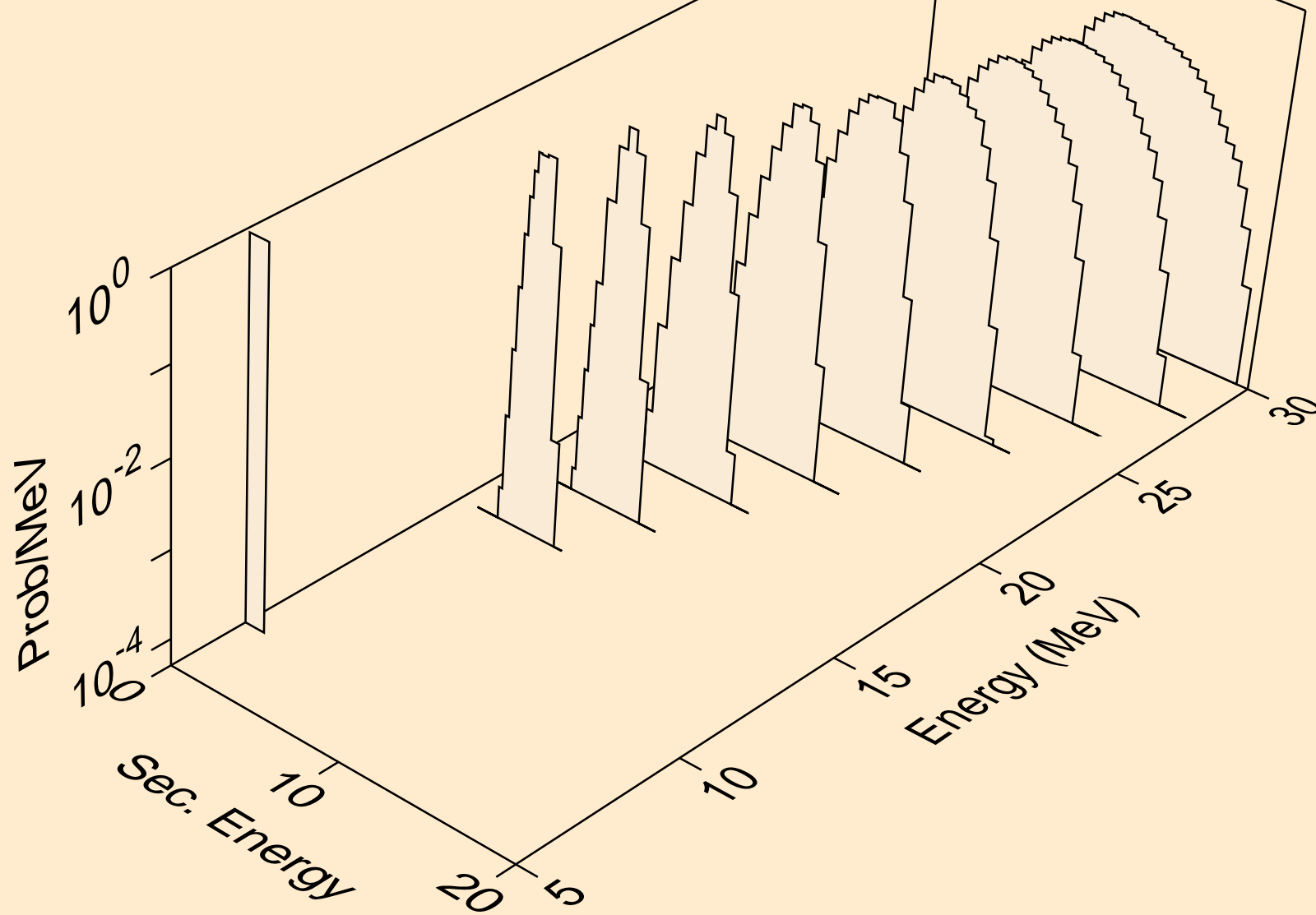
HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,n\*)t



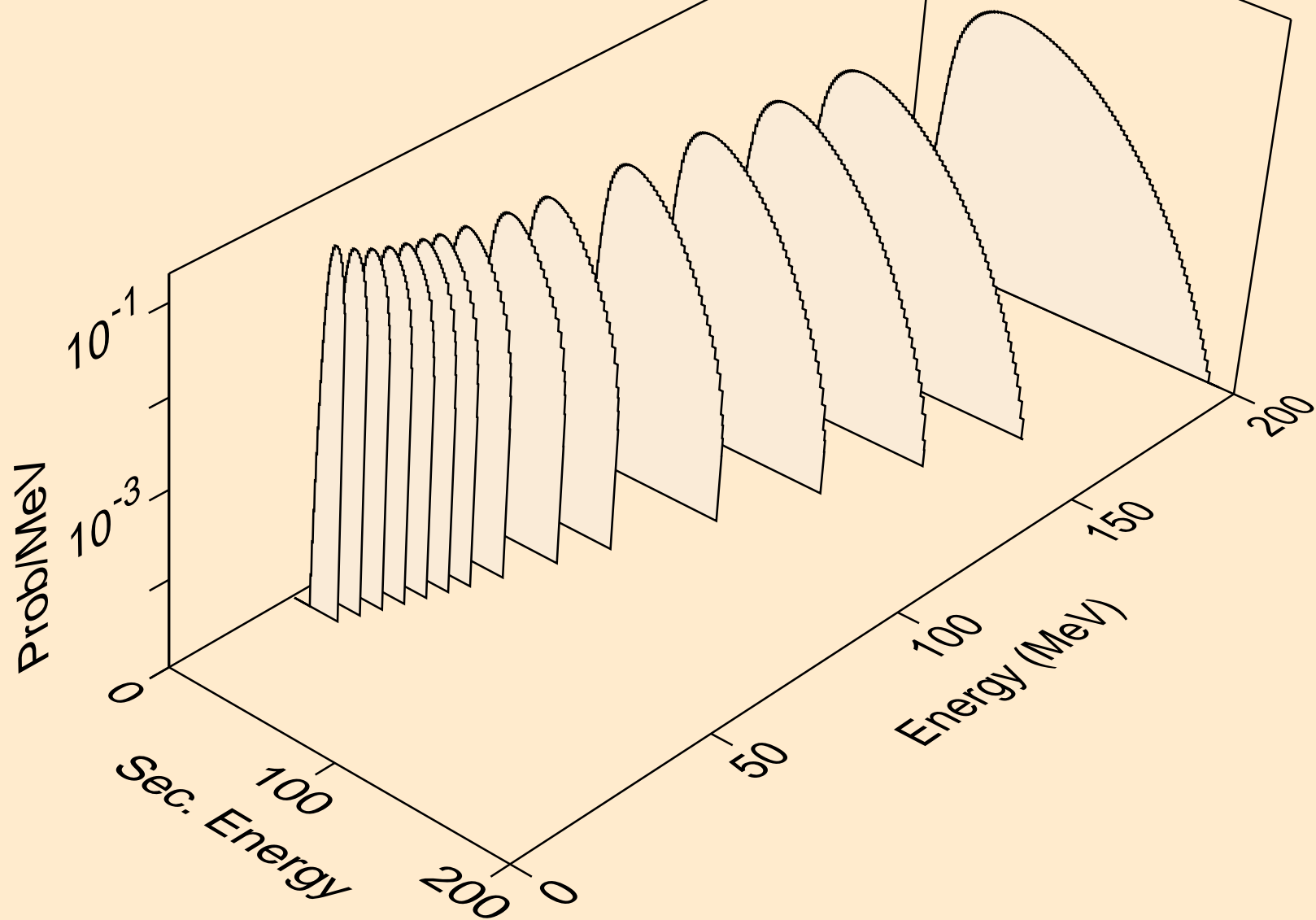
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tritons from (n,t)



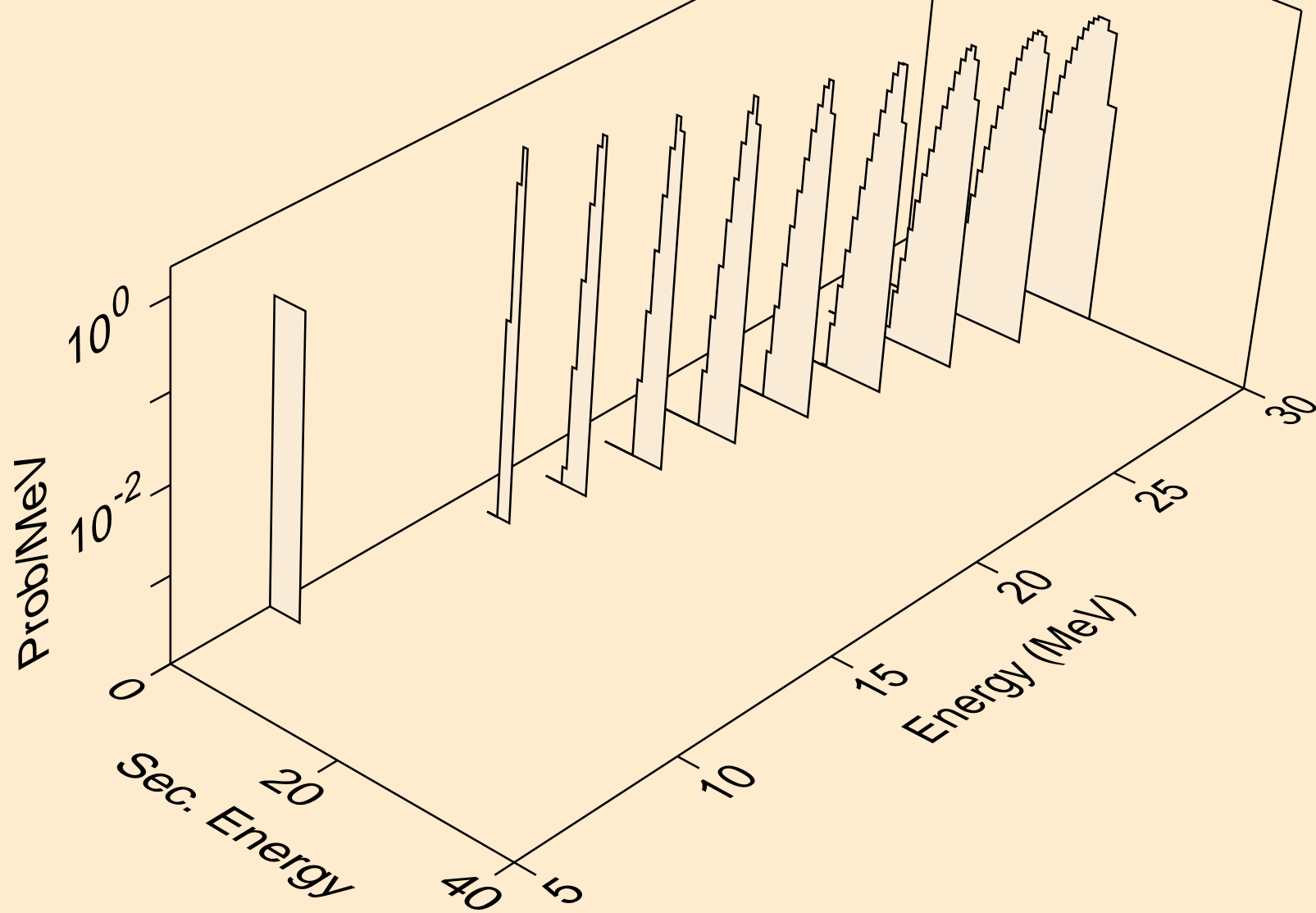
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tritons from (n,pt)



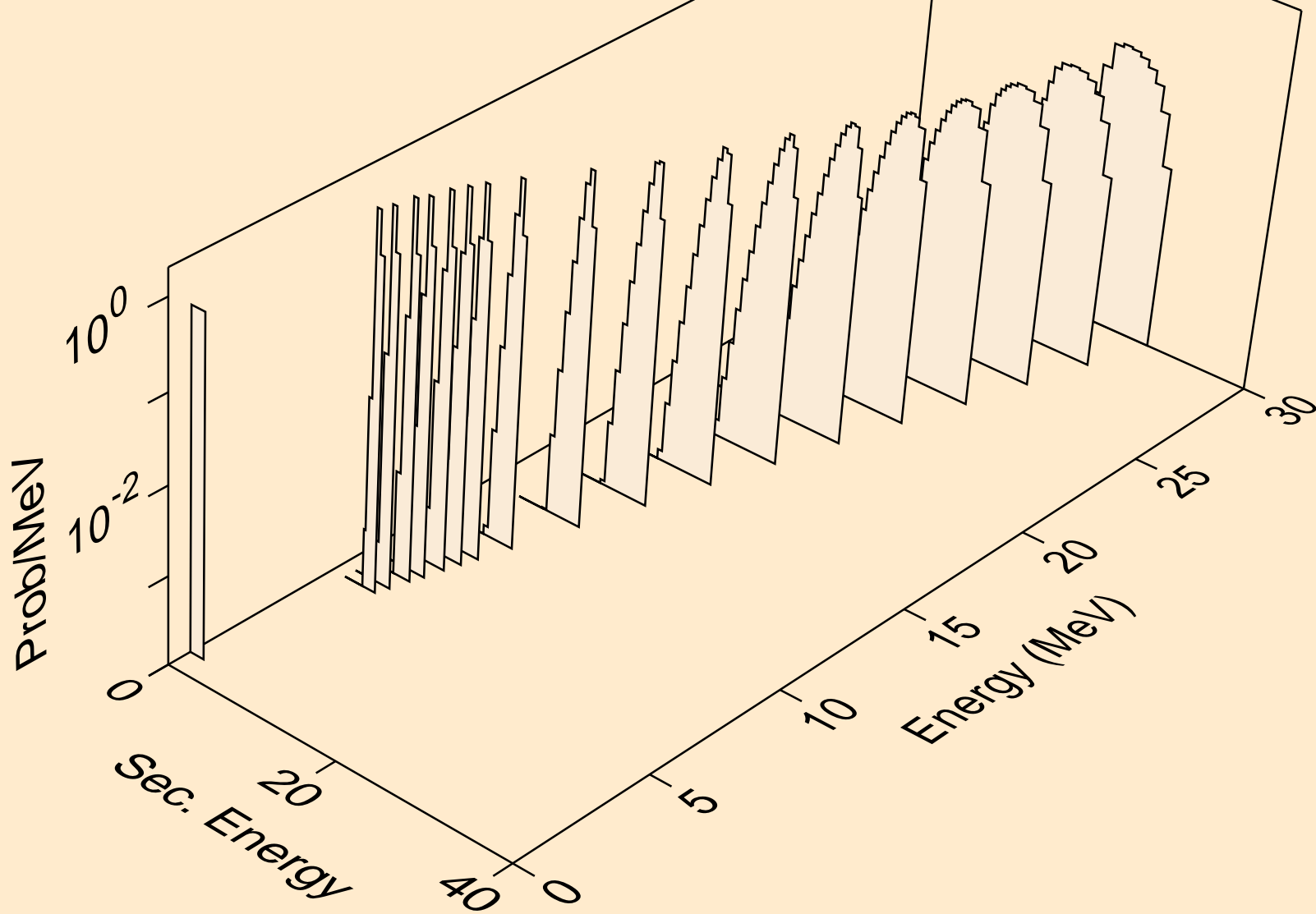
HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
he3s from (n,x)



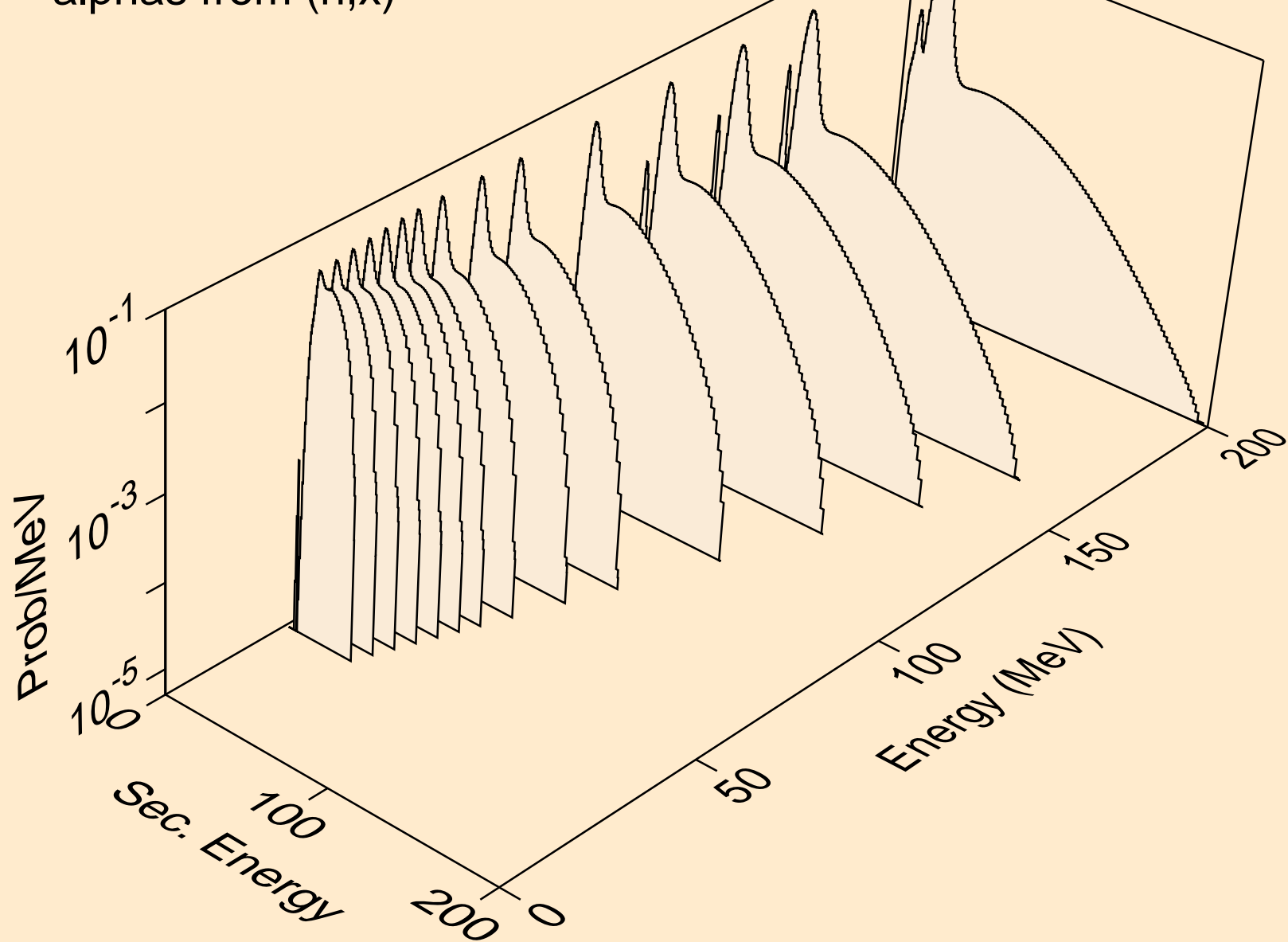
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he3s from (n,n\*)he3



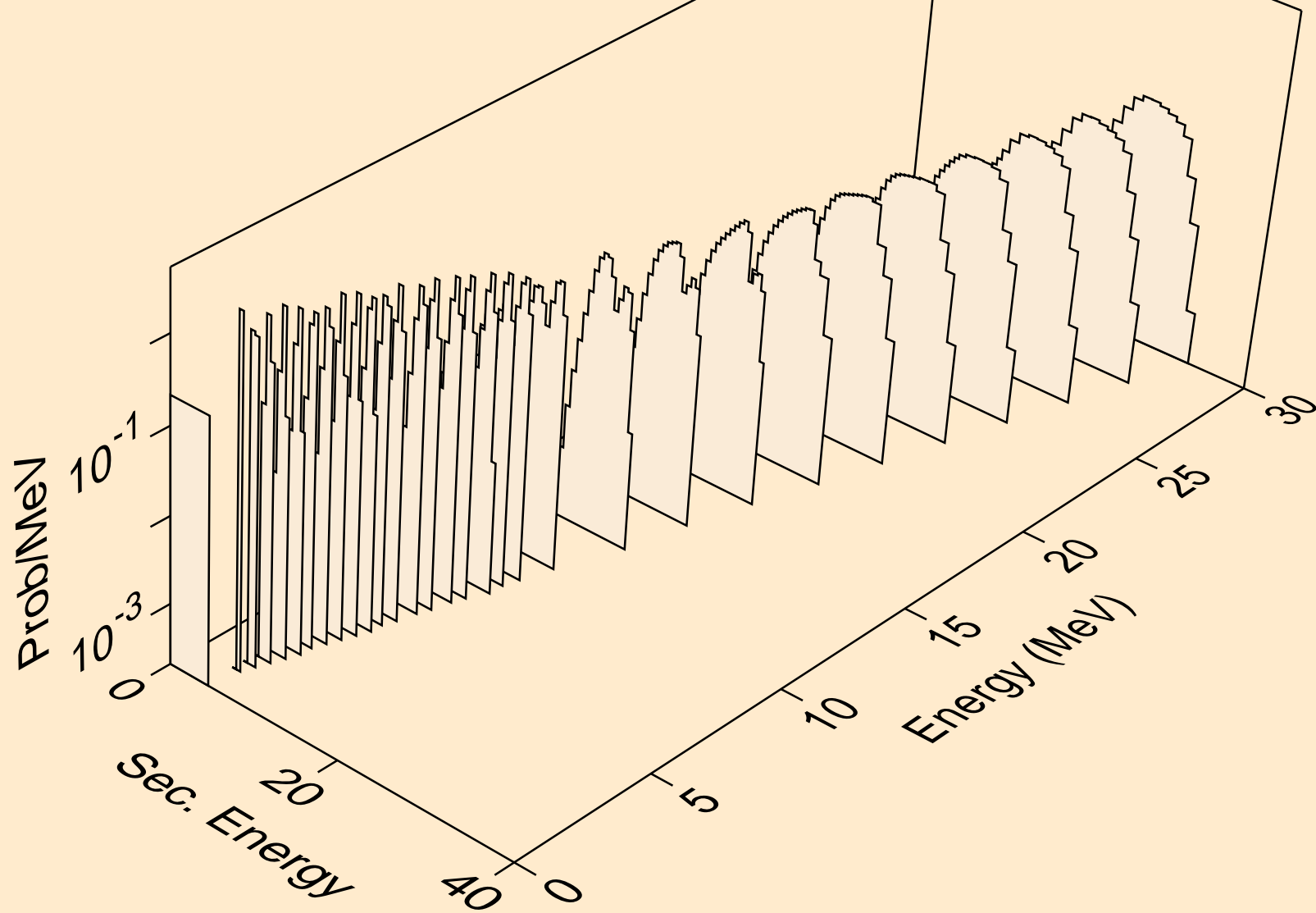
HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
he3s from (n,he3)



HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,x)

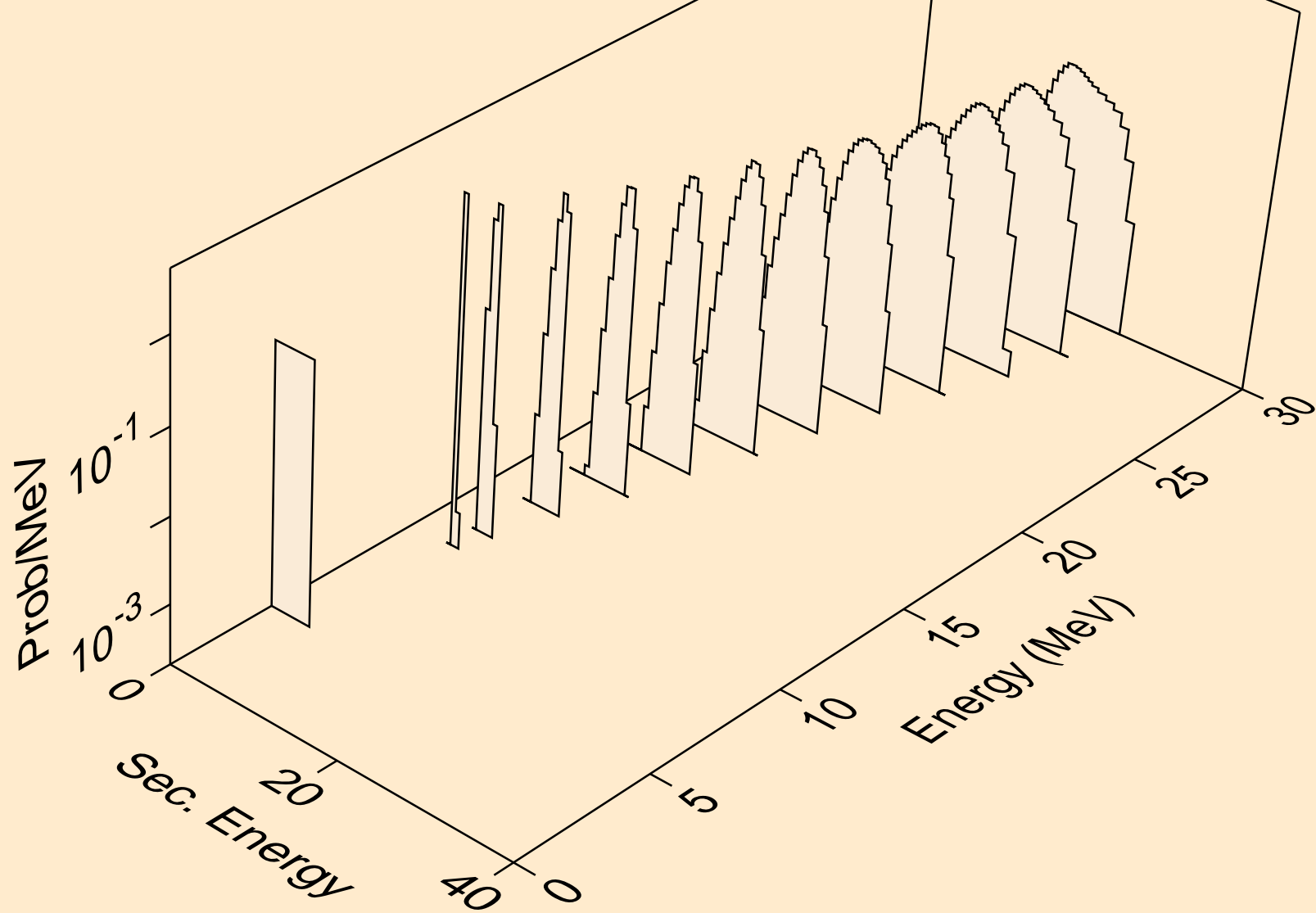


HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,n\*)a

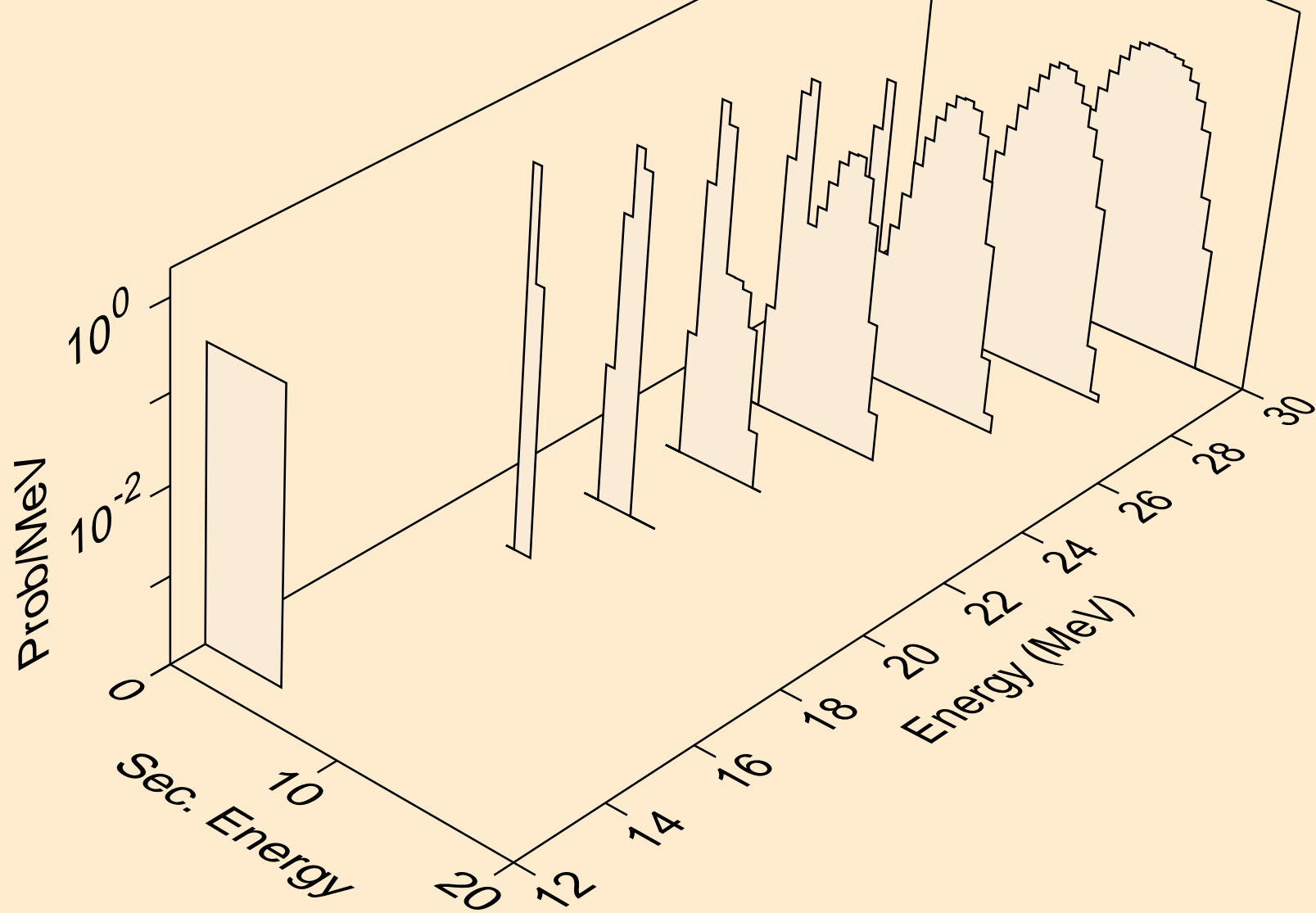




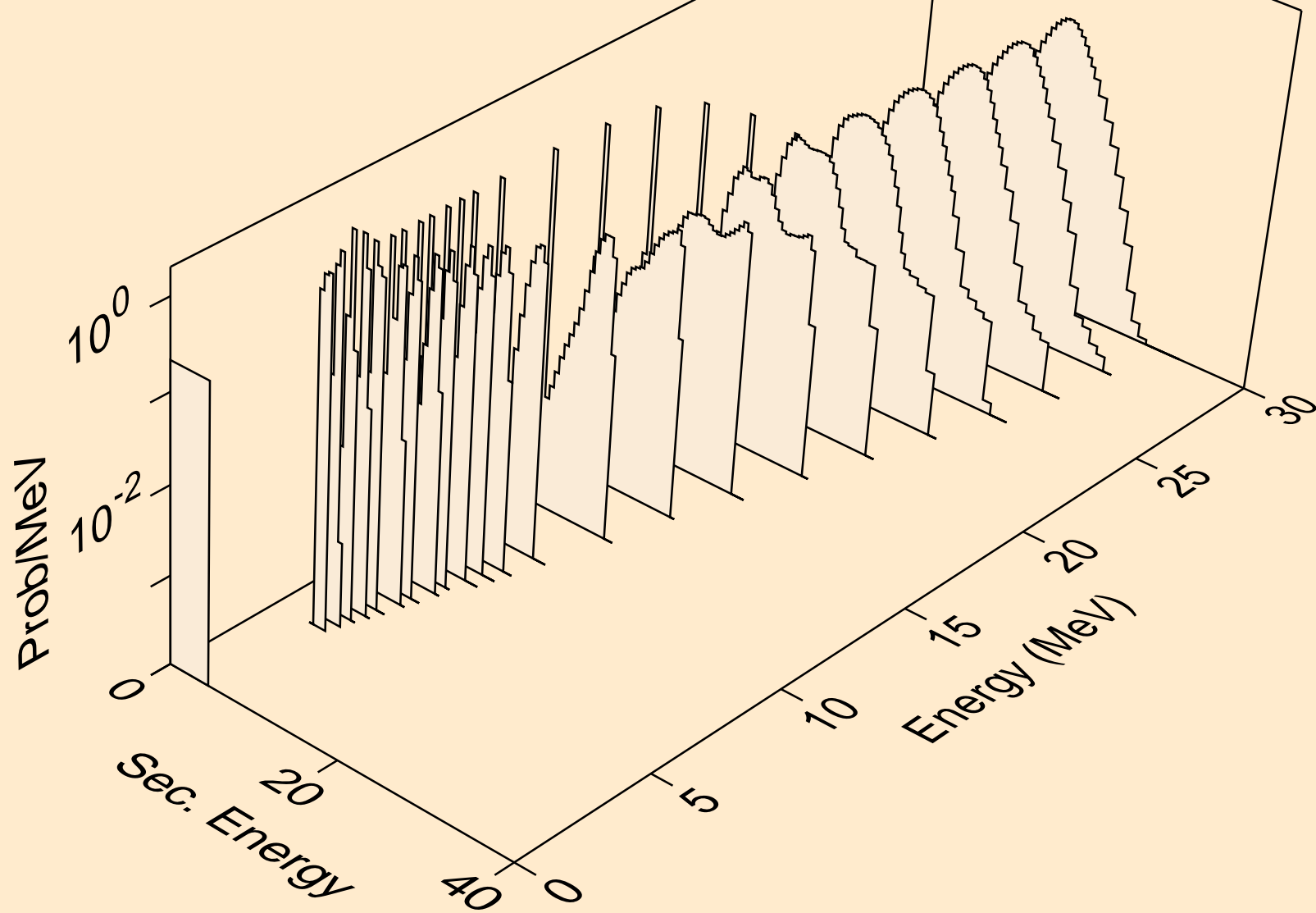
HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2n)a



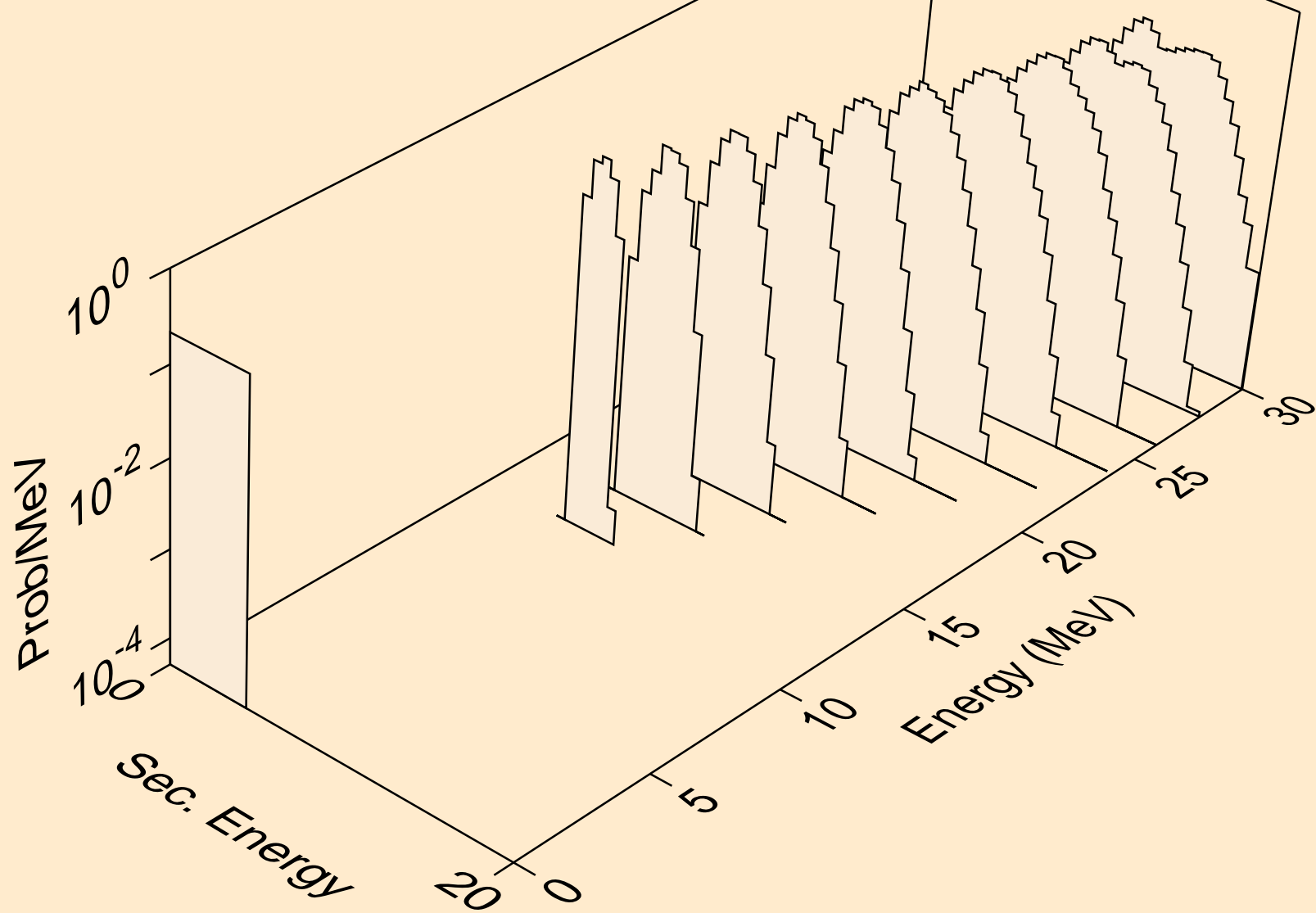
HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,3n)a



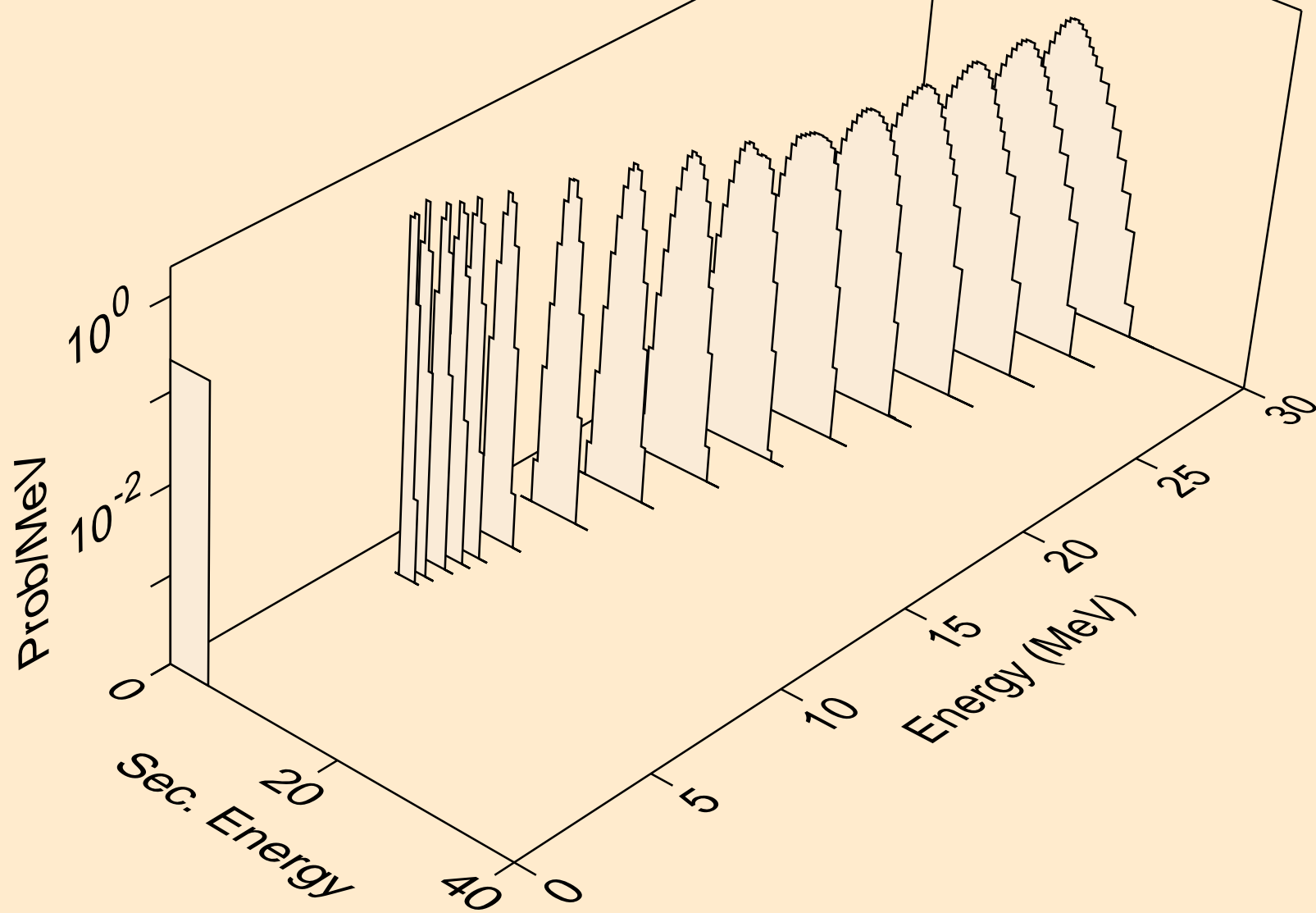
HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,n\*)2a



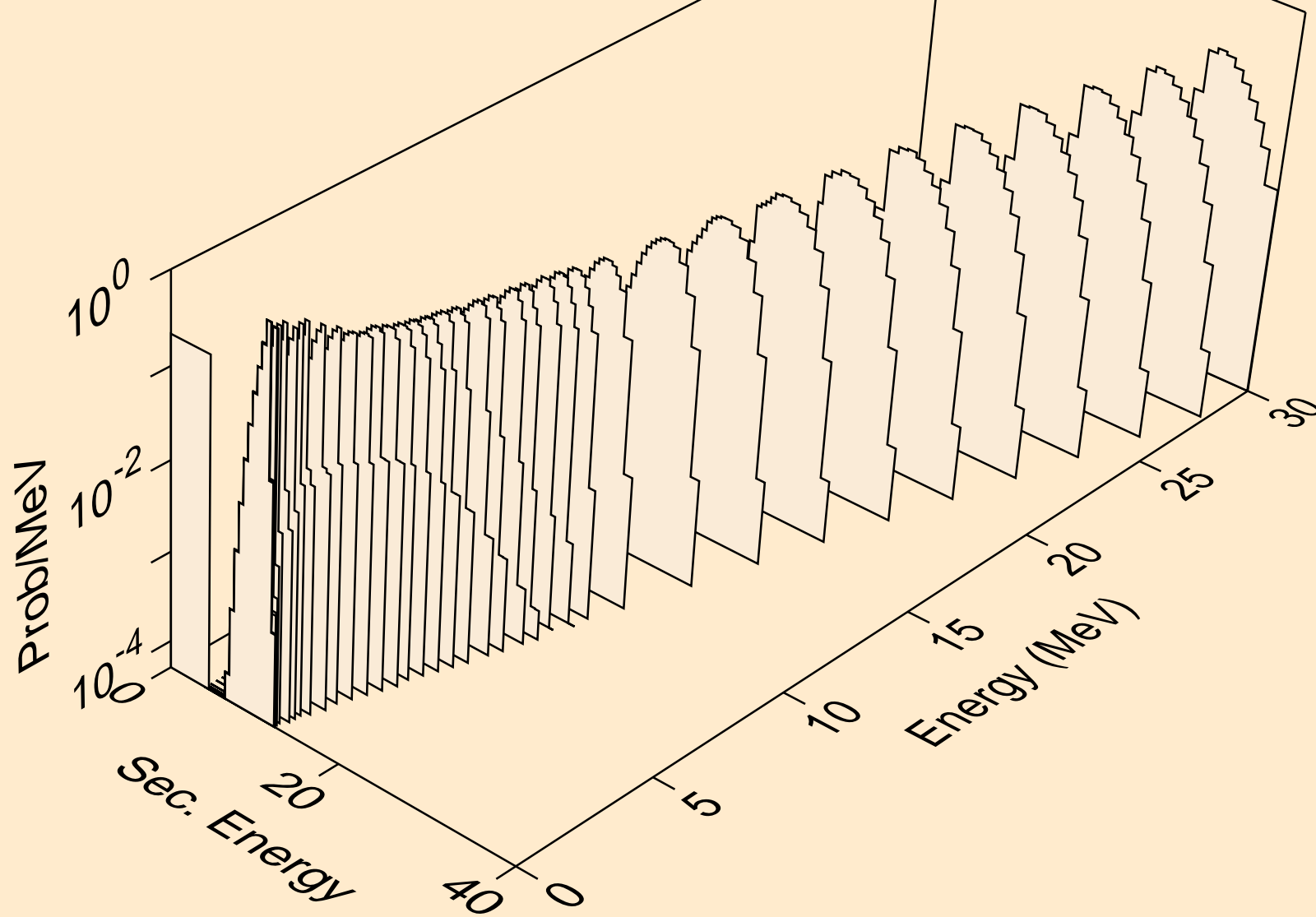
HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2n)2a



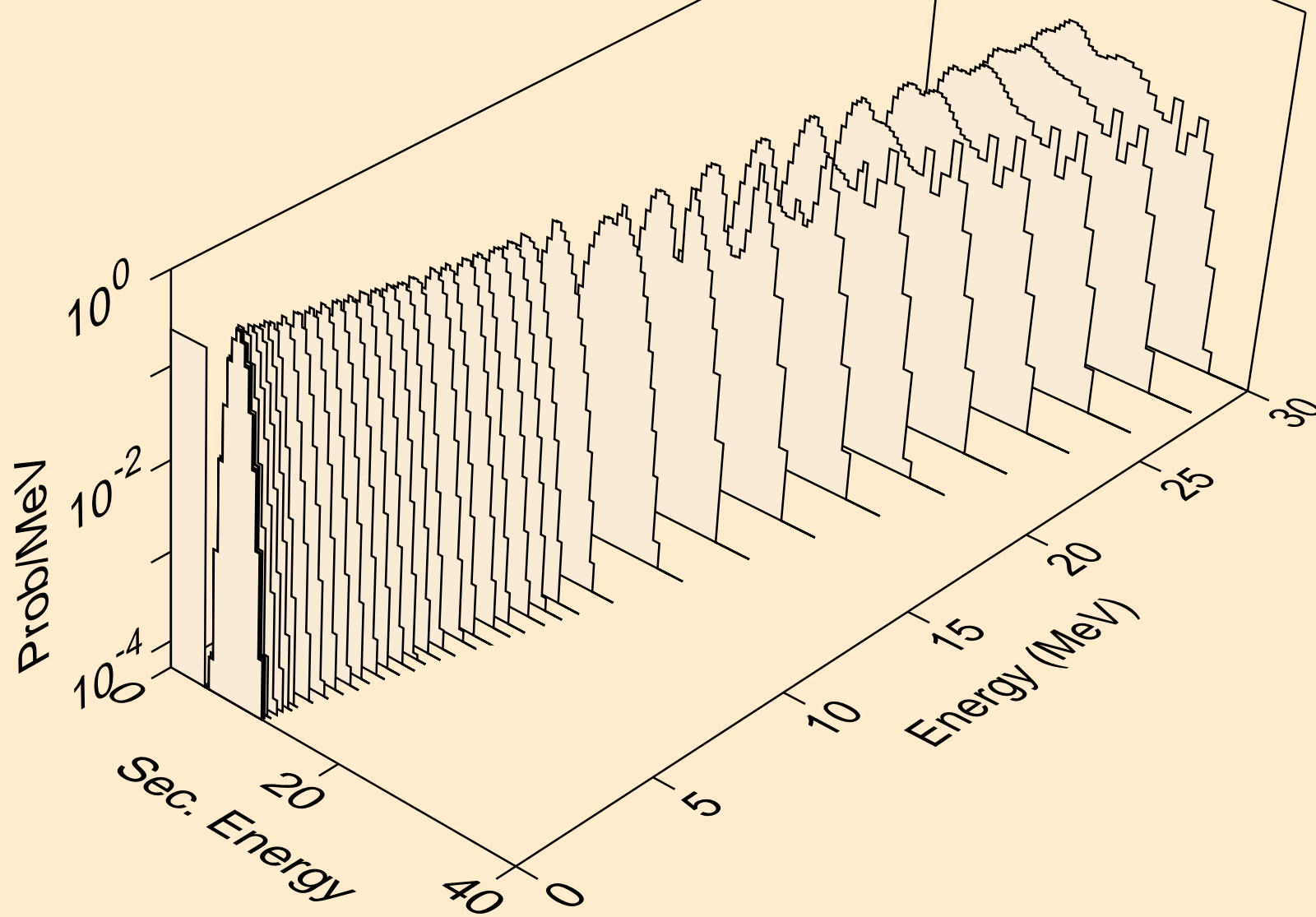
HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,npa)



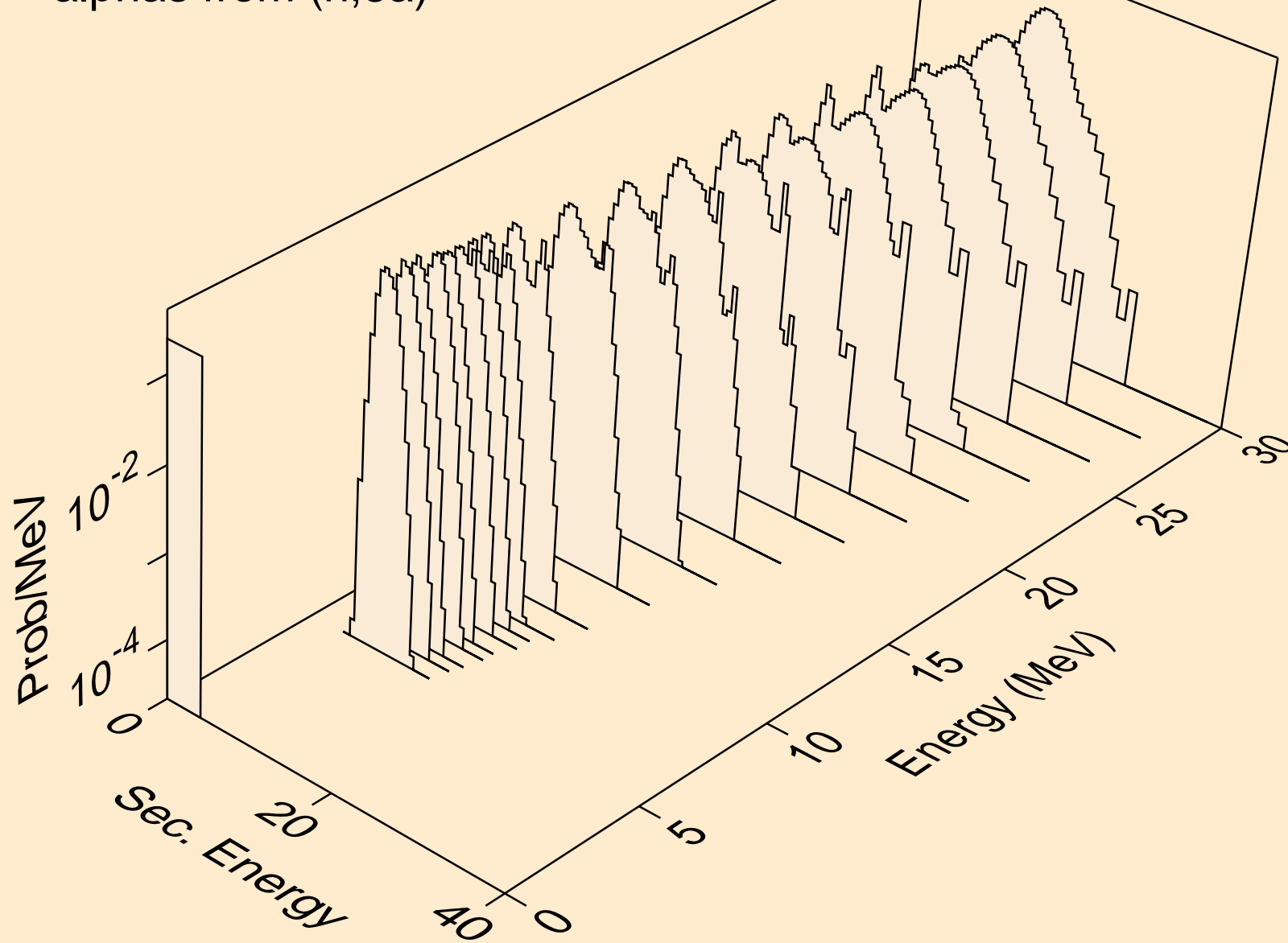
HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,a)



HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2a)

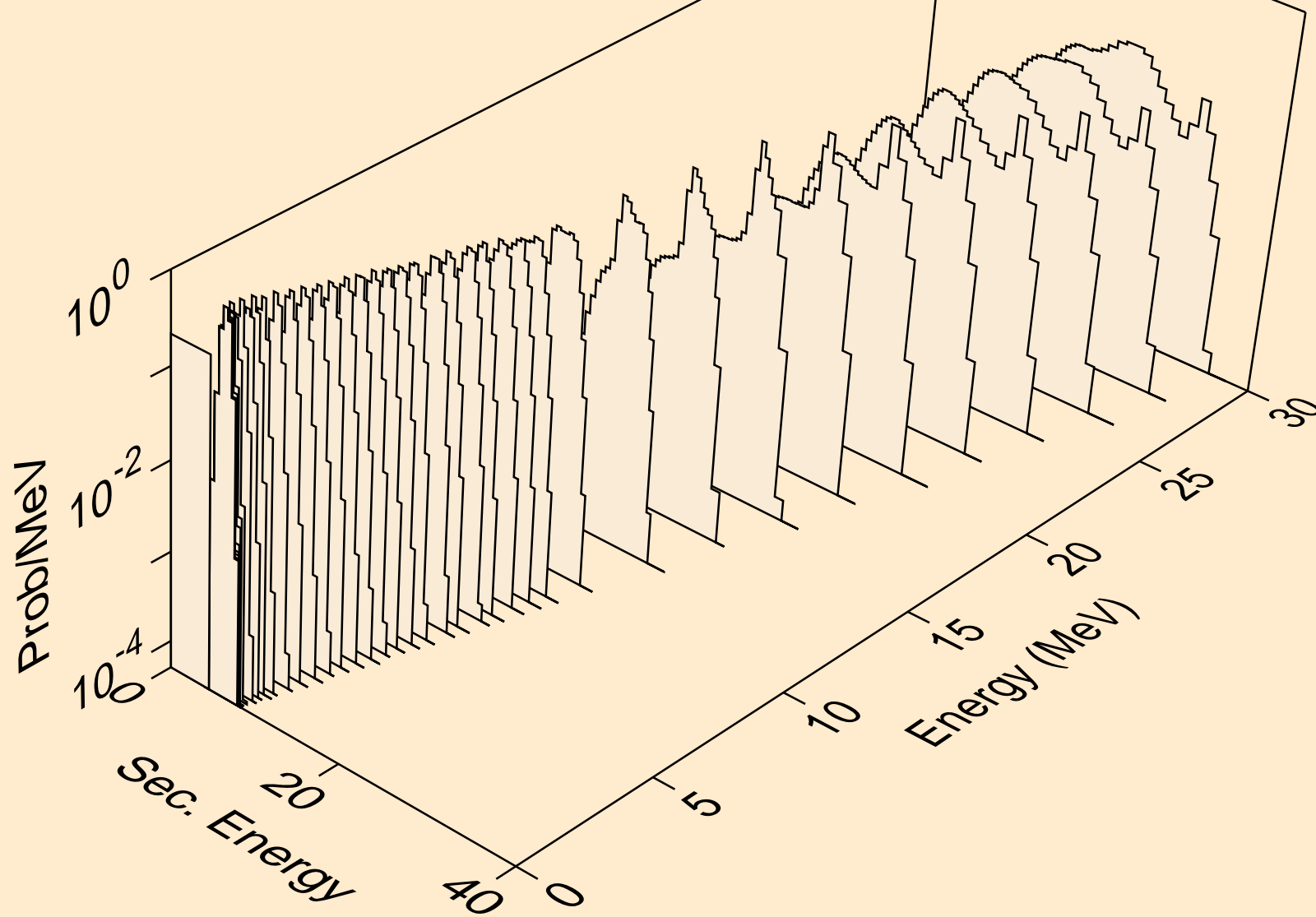


HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,3a)





HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,pa)



HO154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,da)

