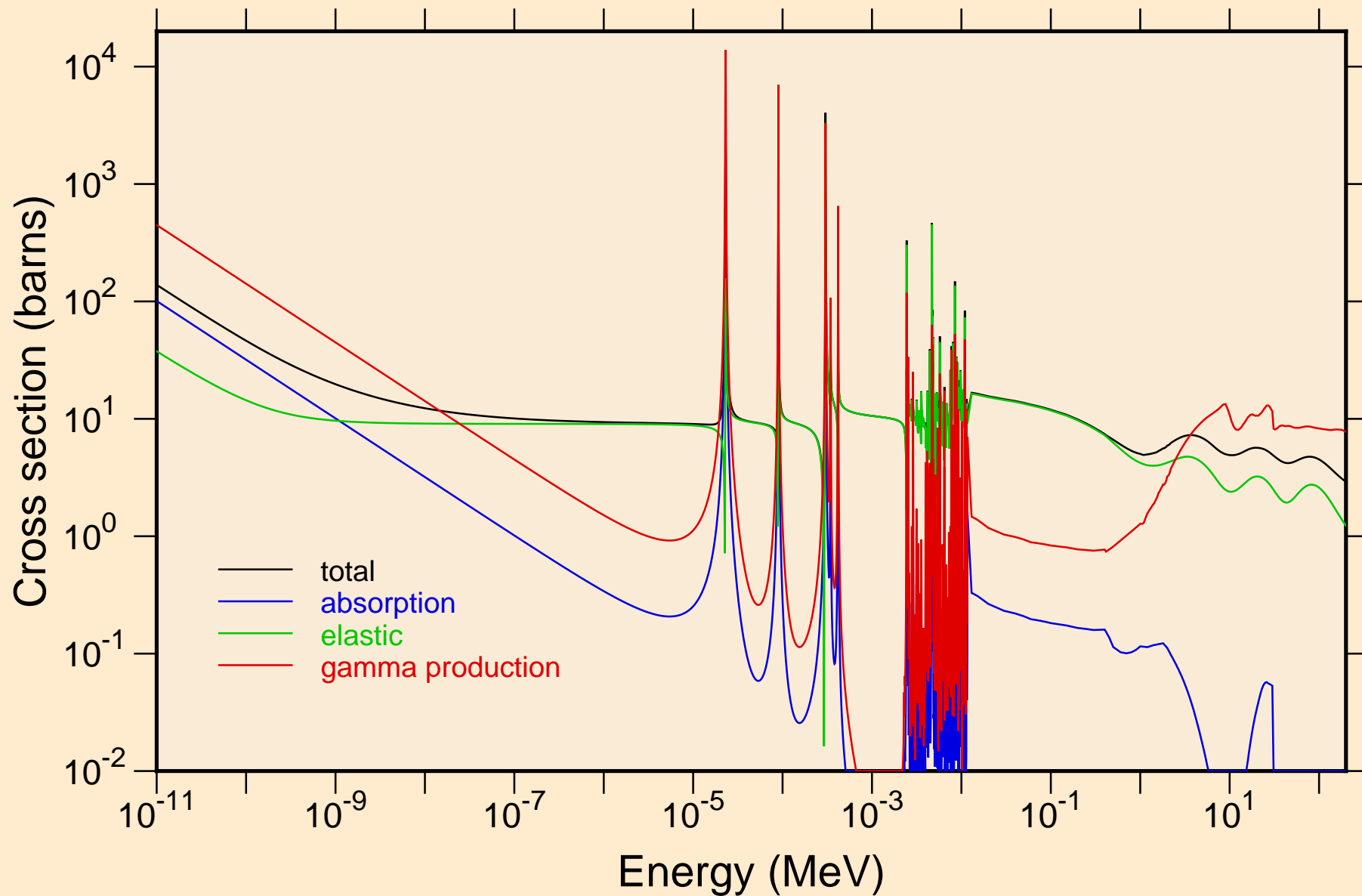
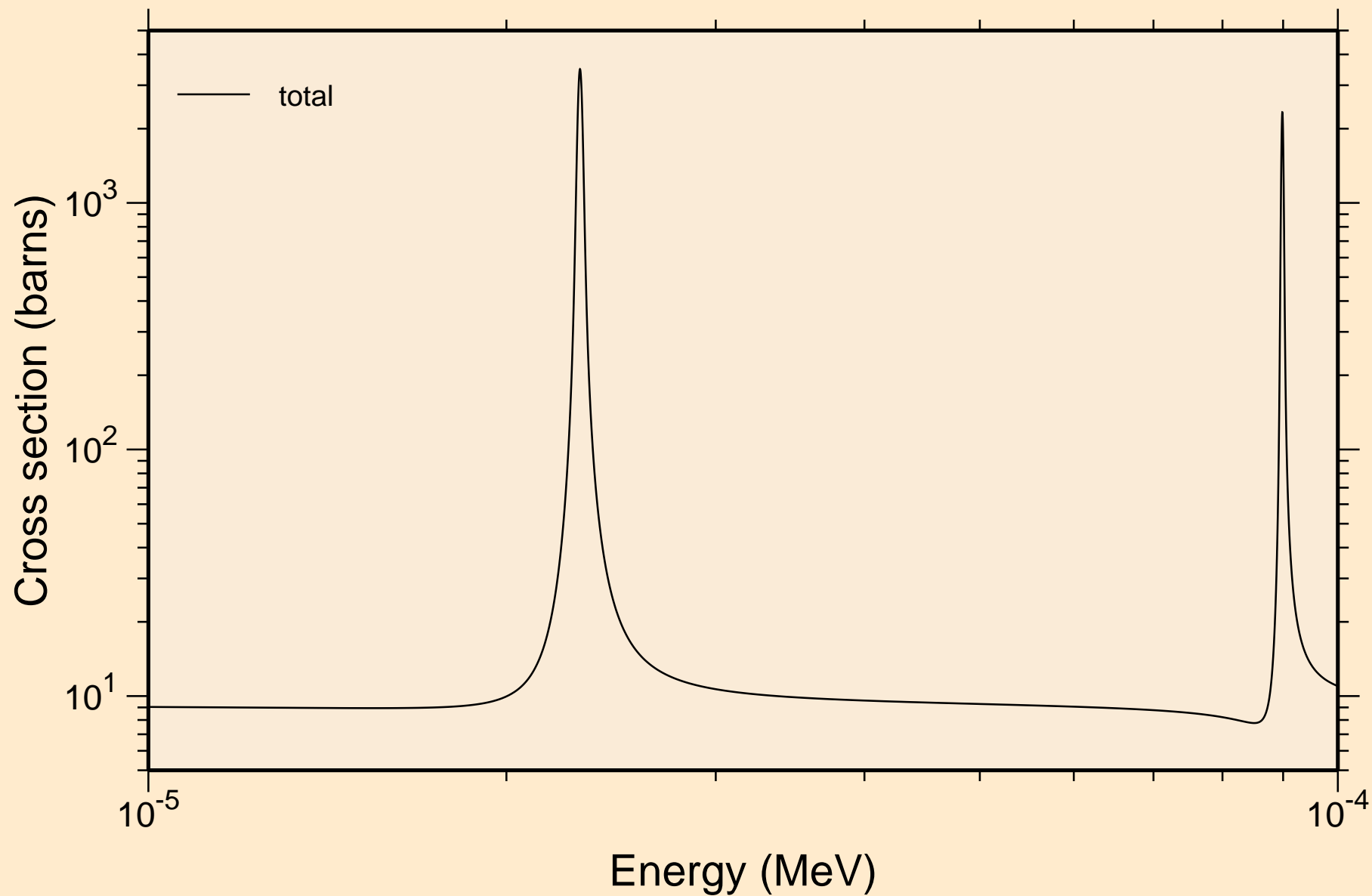


# HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

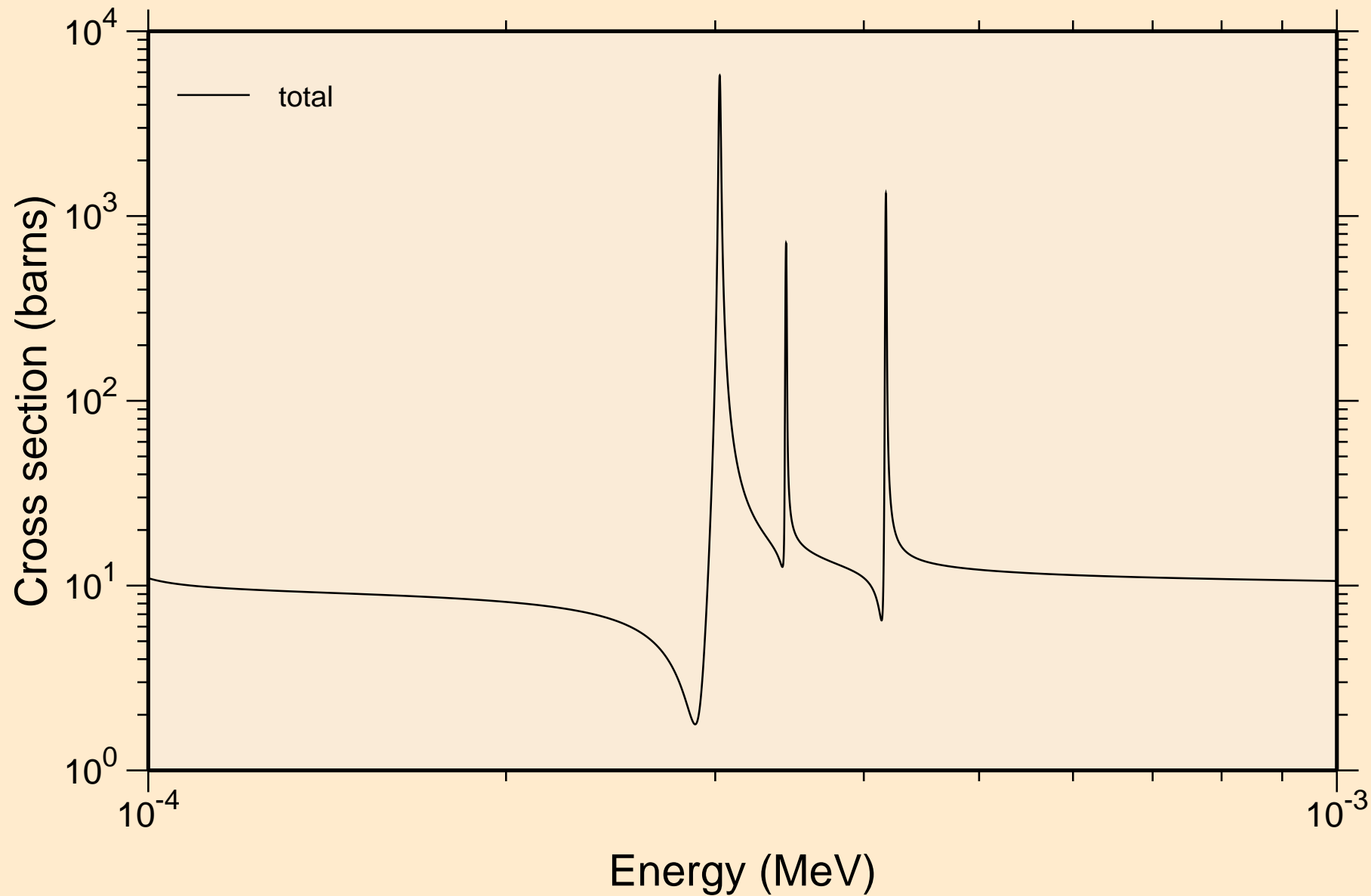
## Principal cross sections



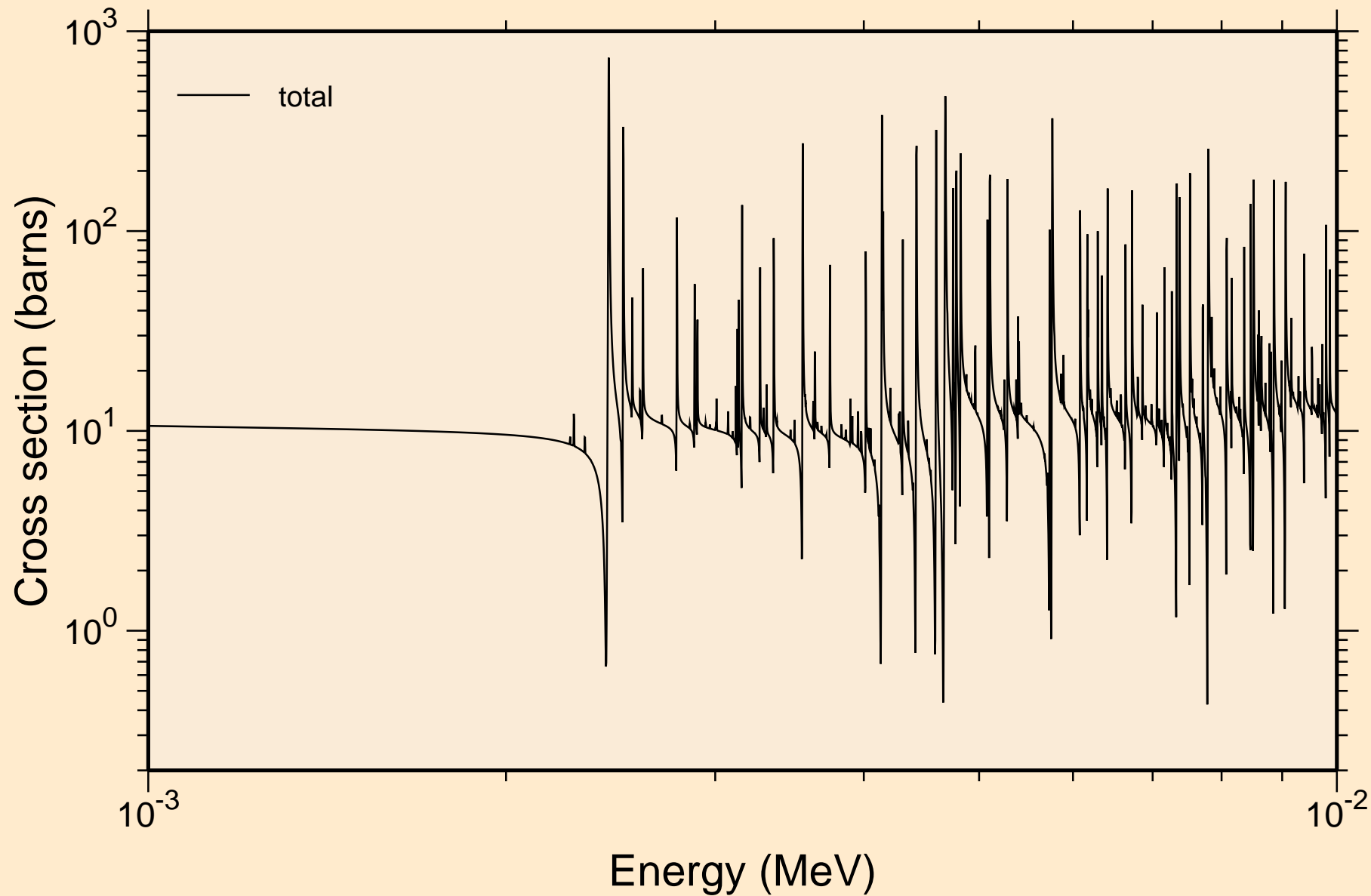
HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



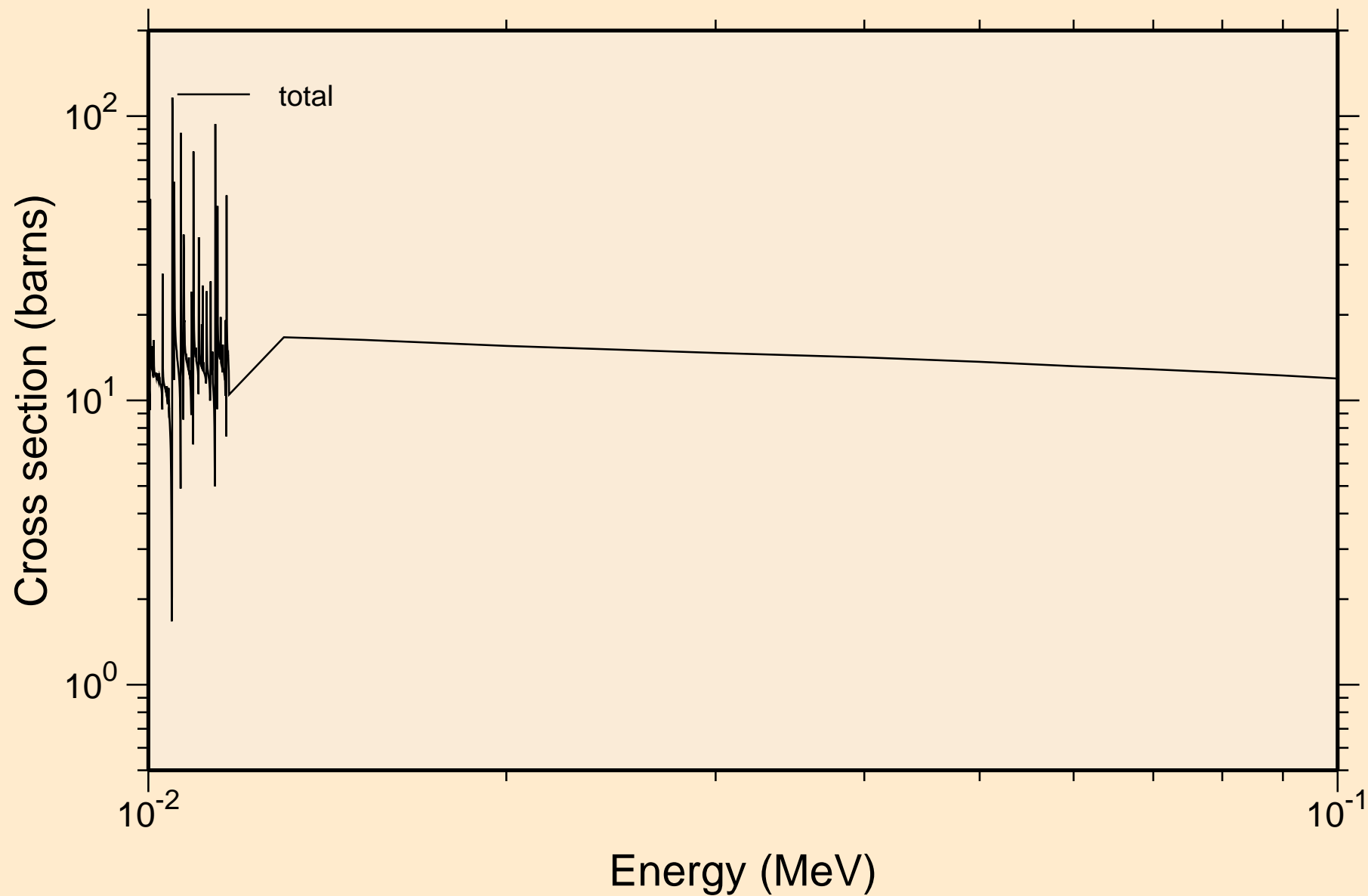
HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



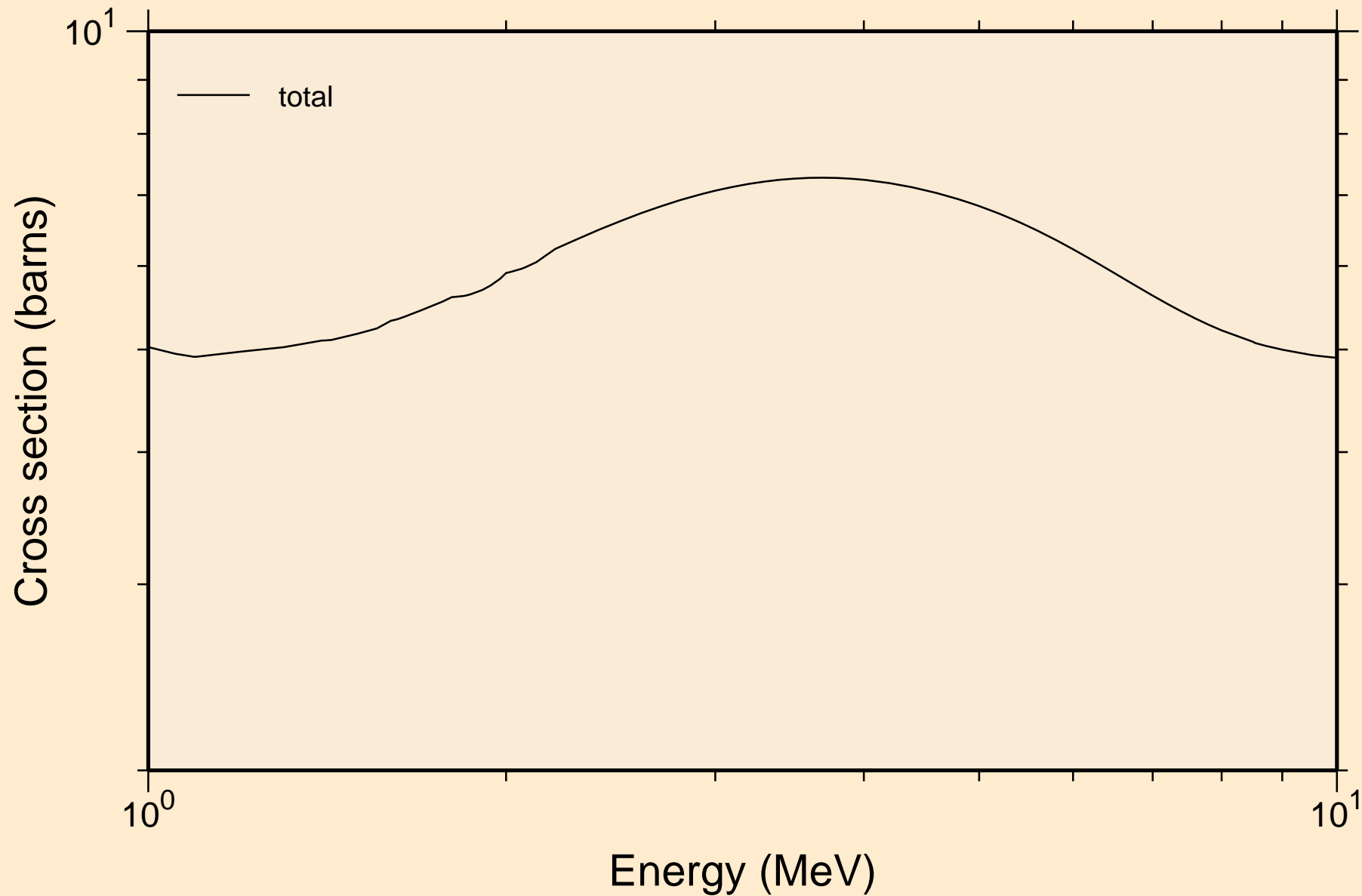
HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



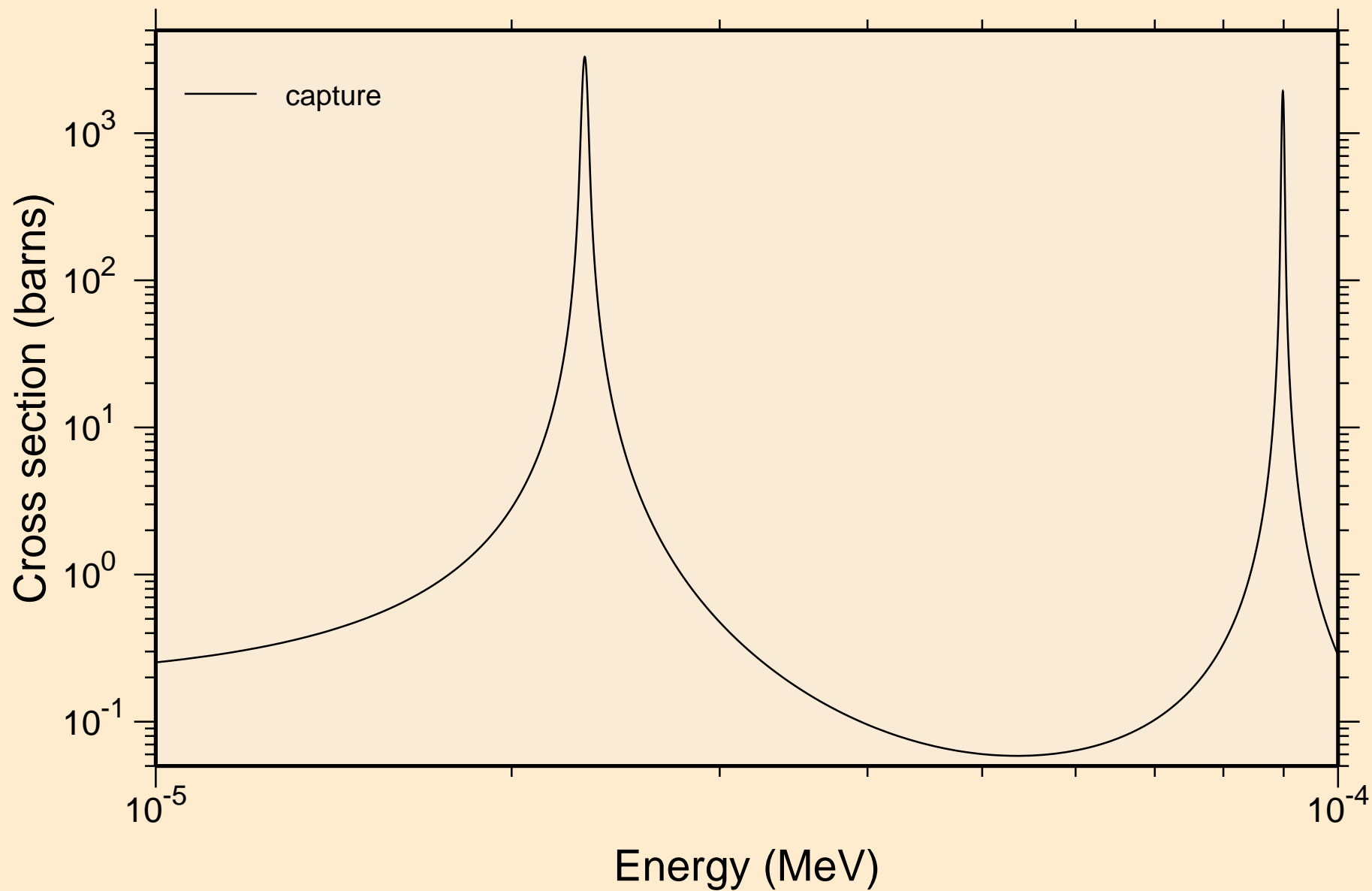
HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



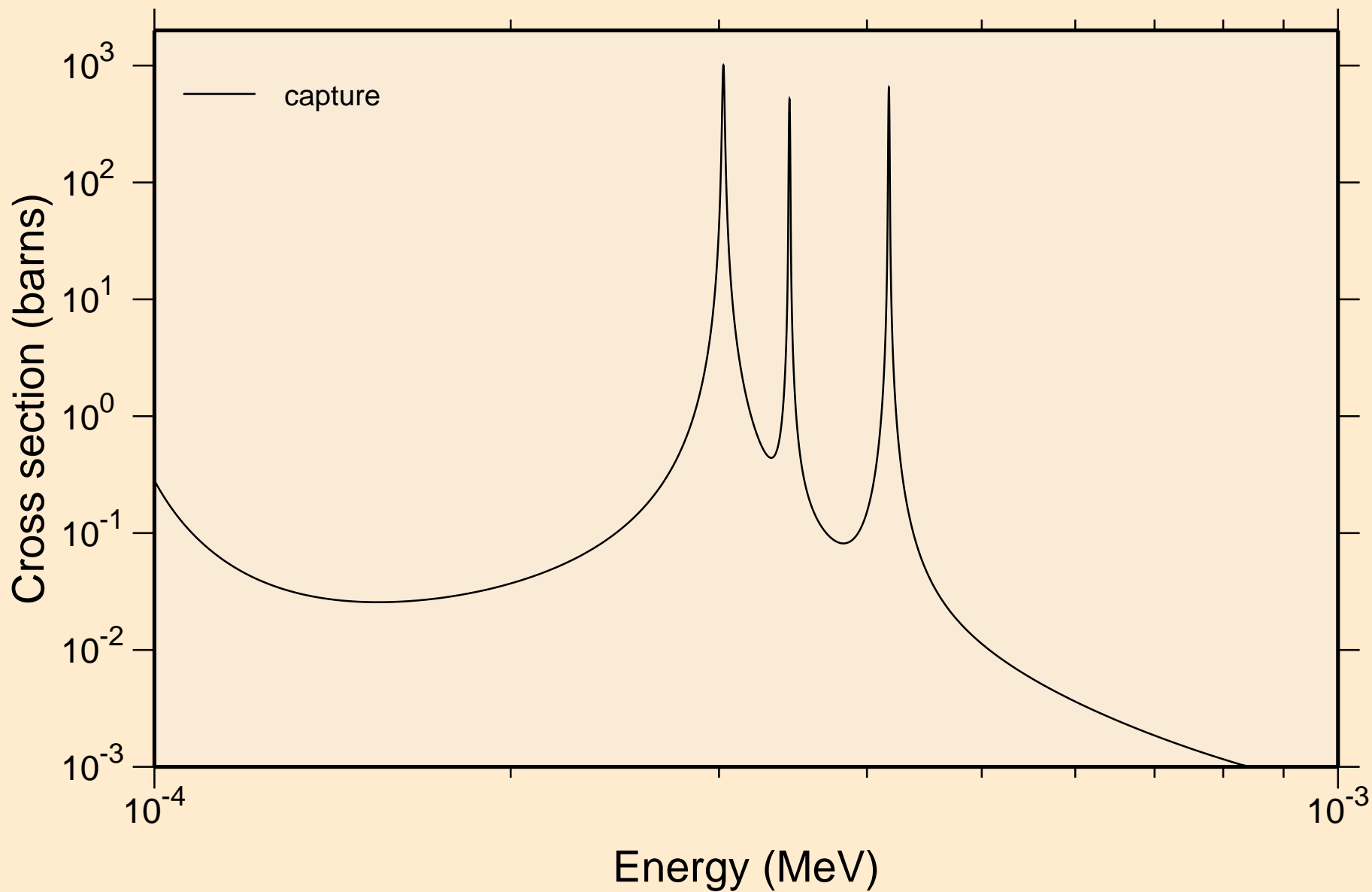
HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections

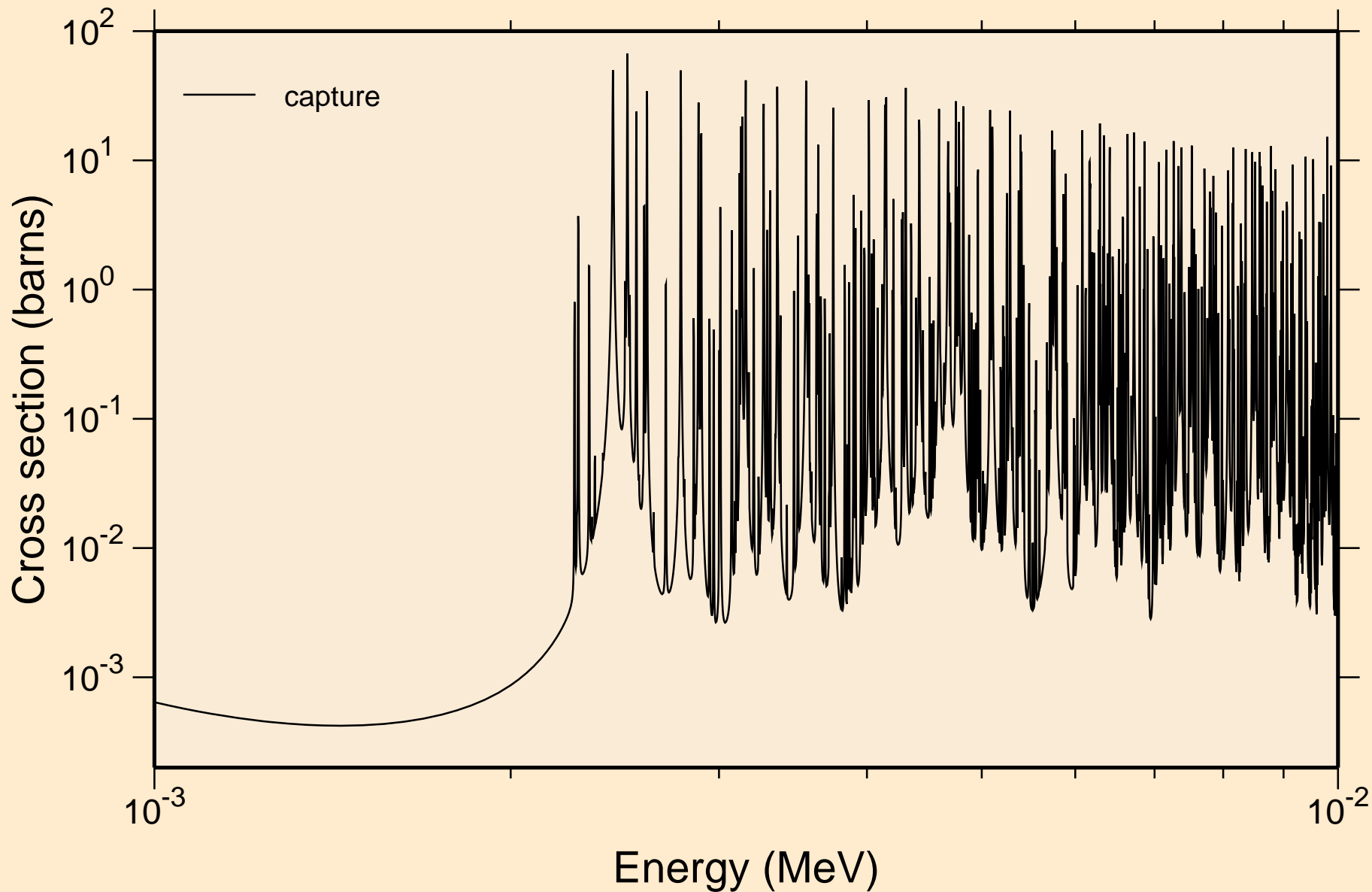


HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections

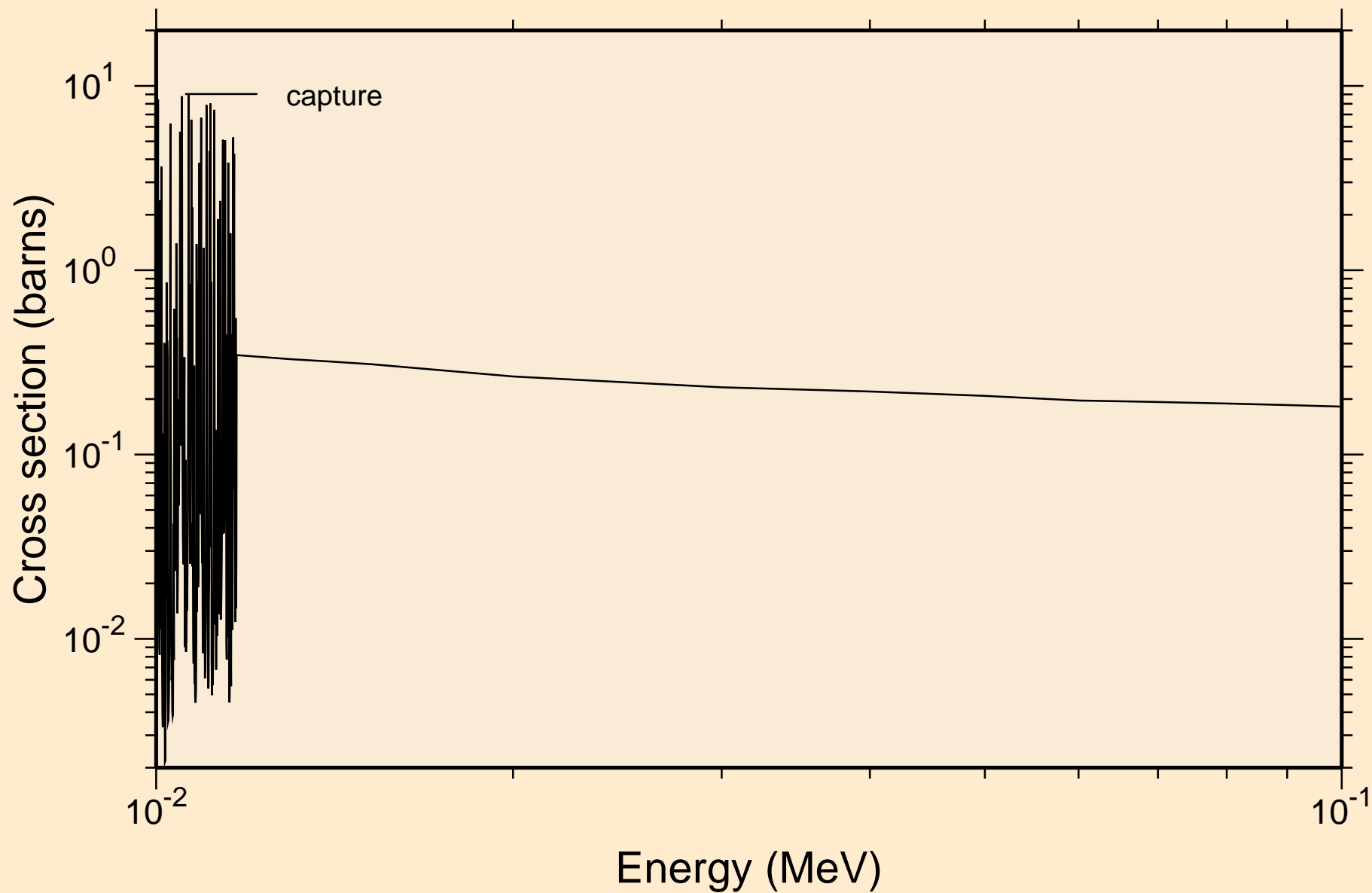




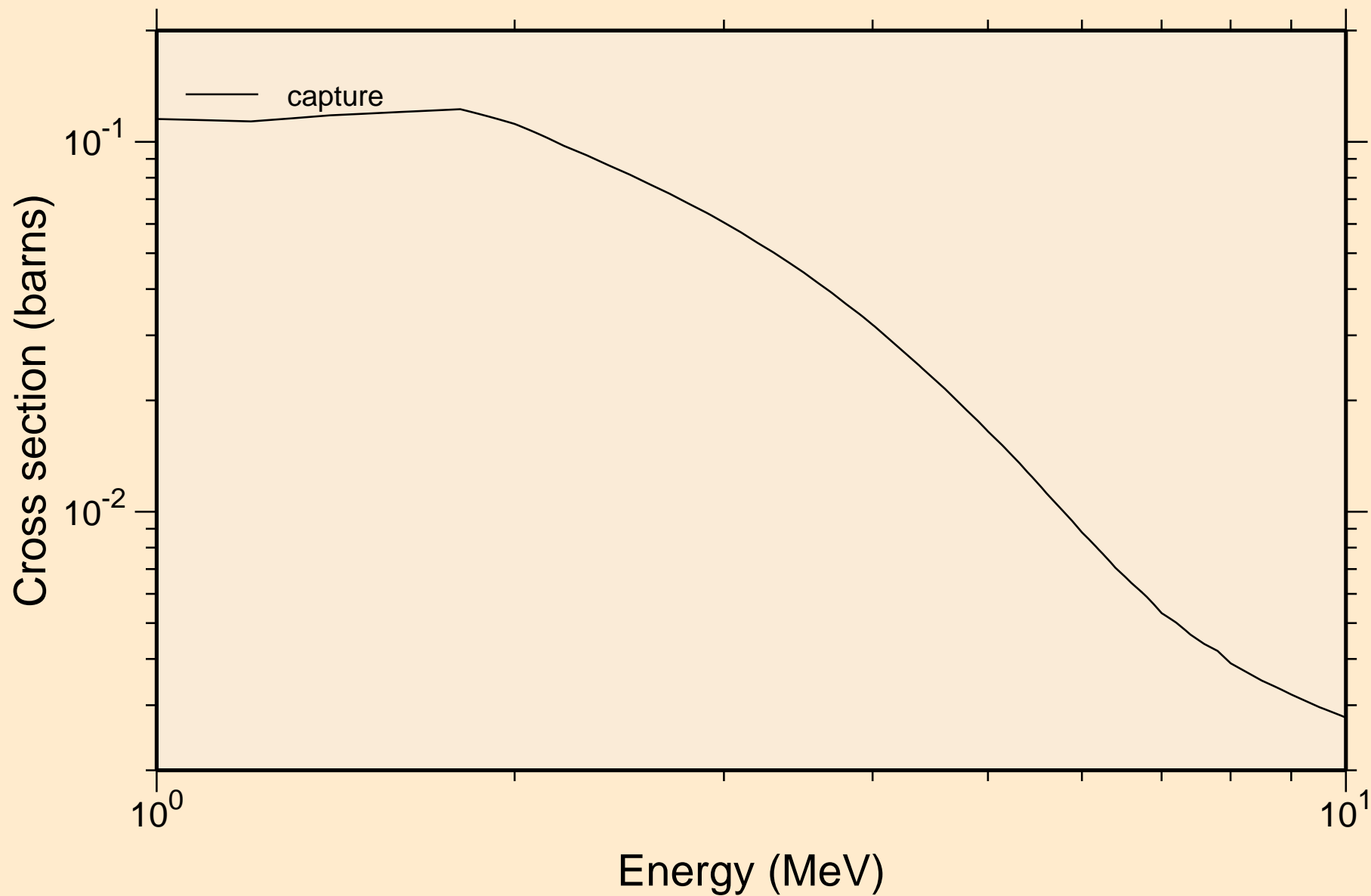
HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



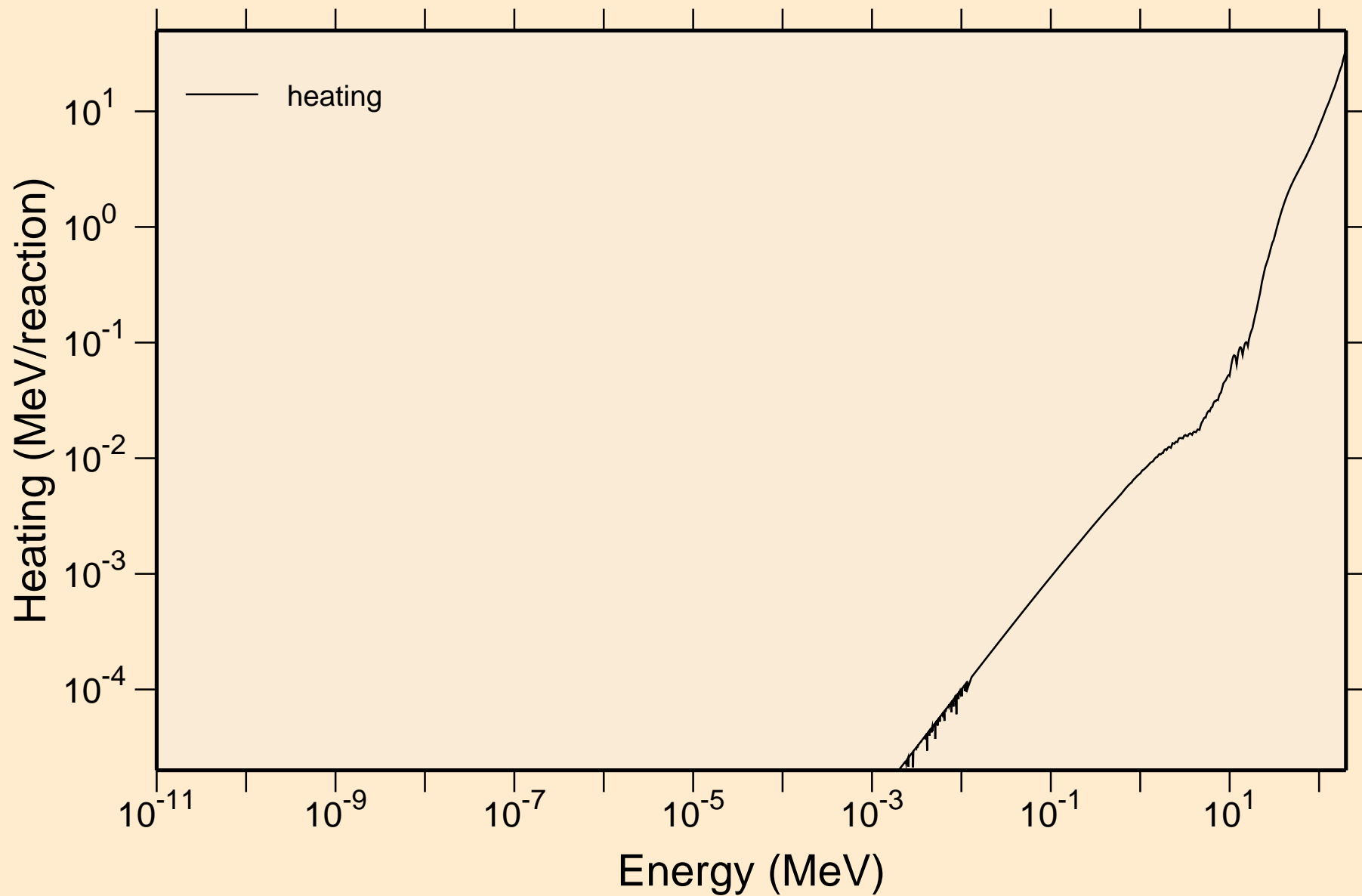
HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



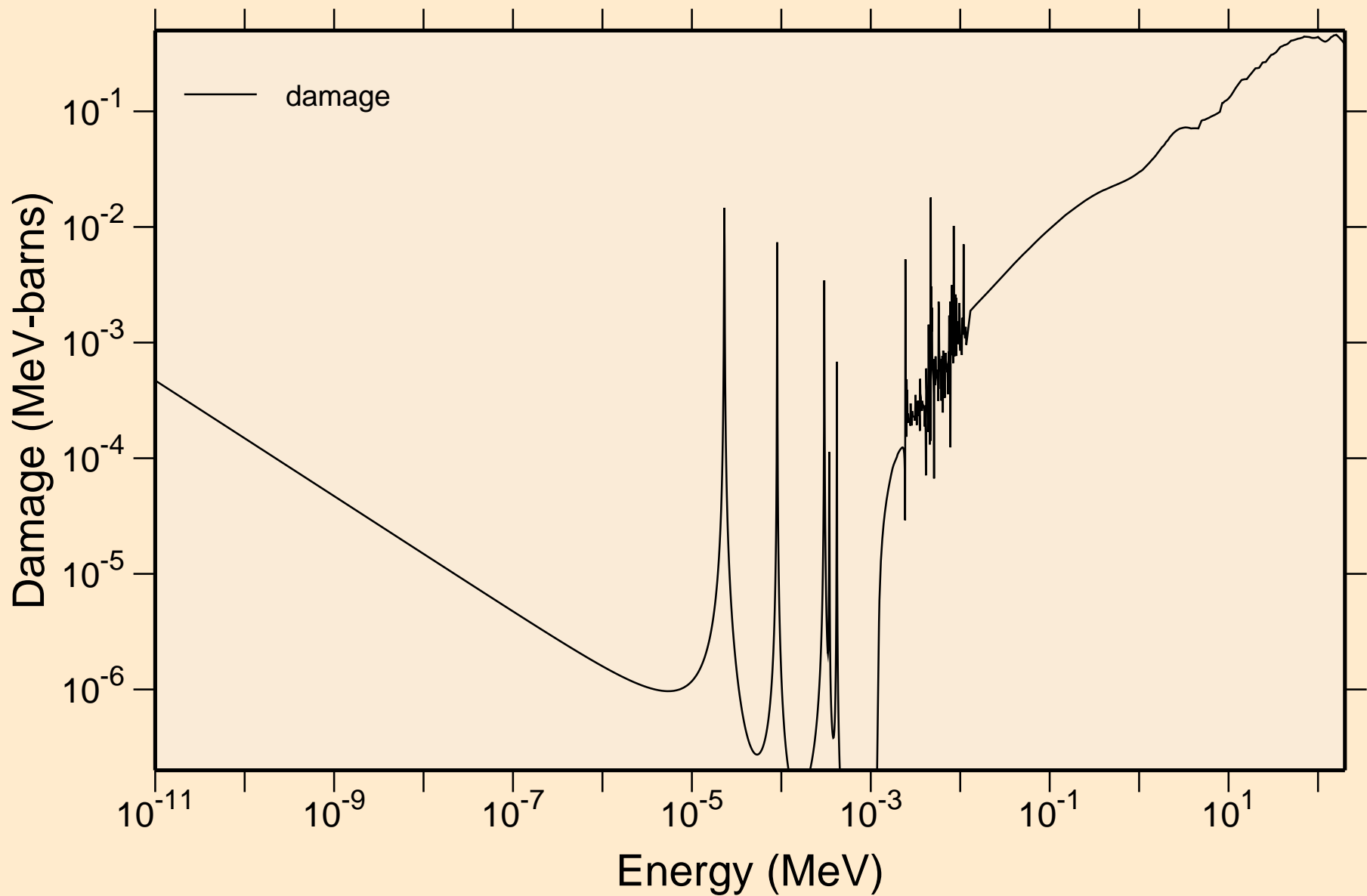
HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating

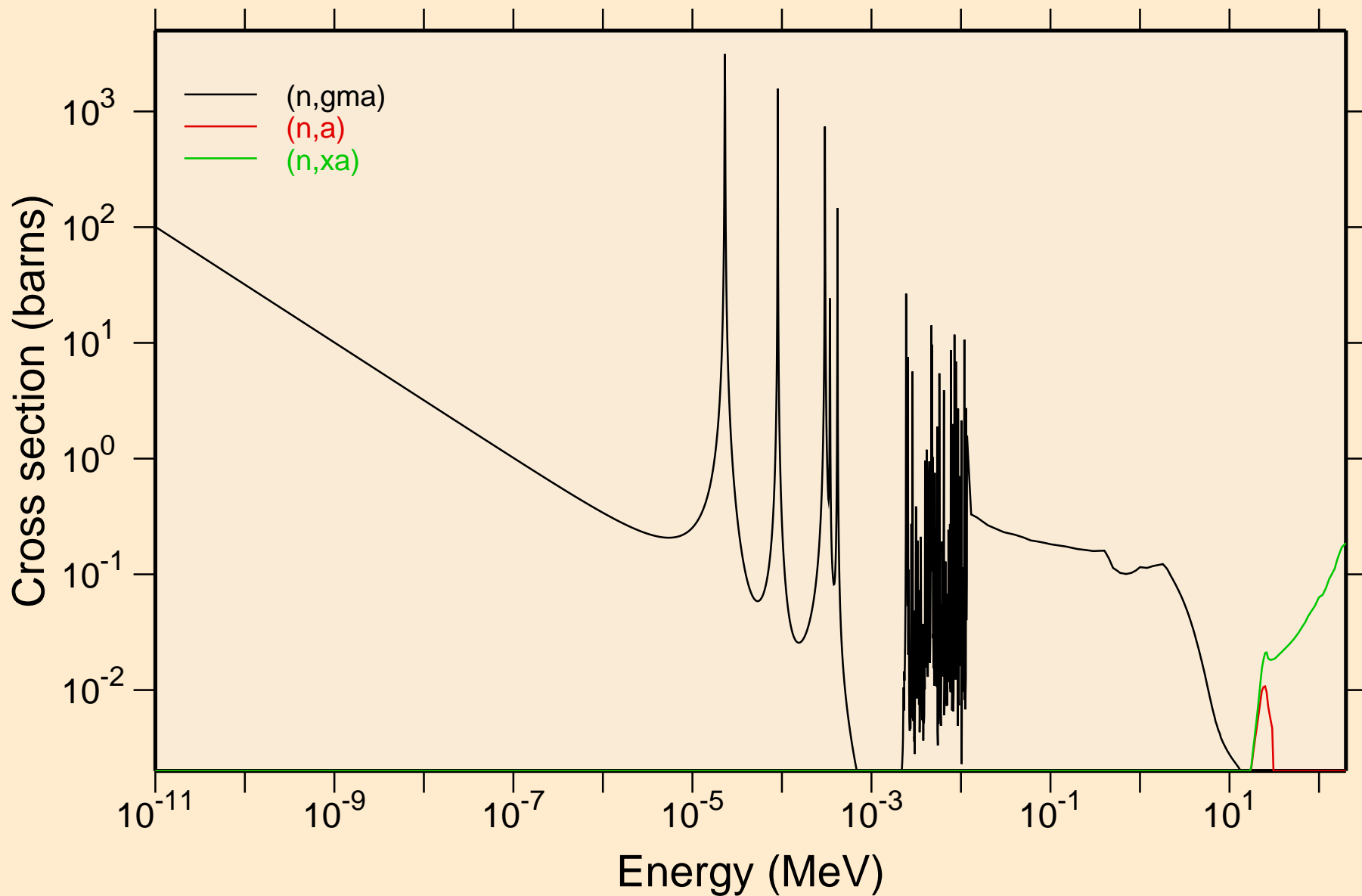


# HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K Damage



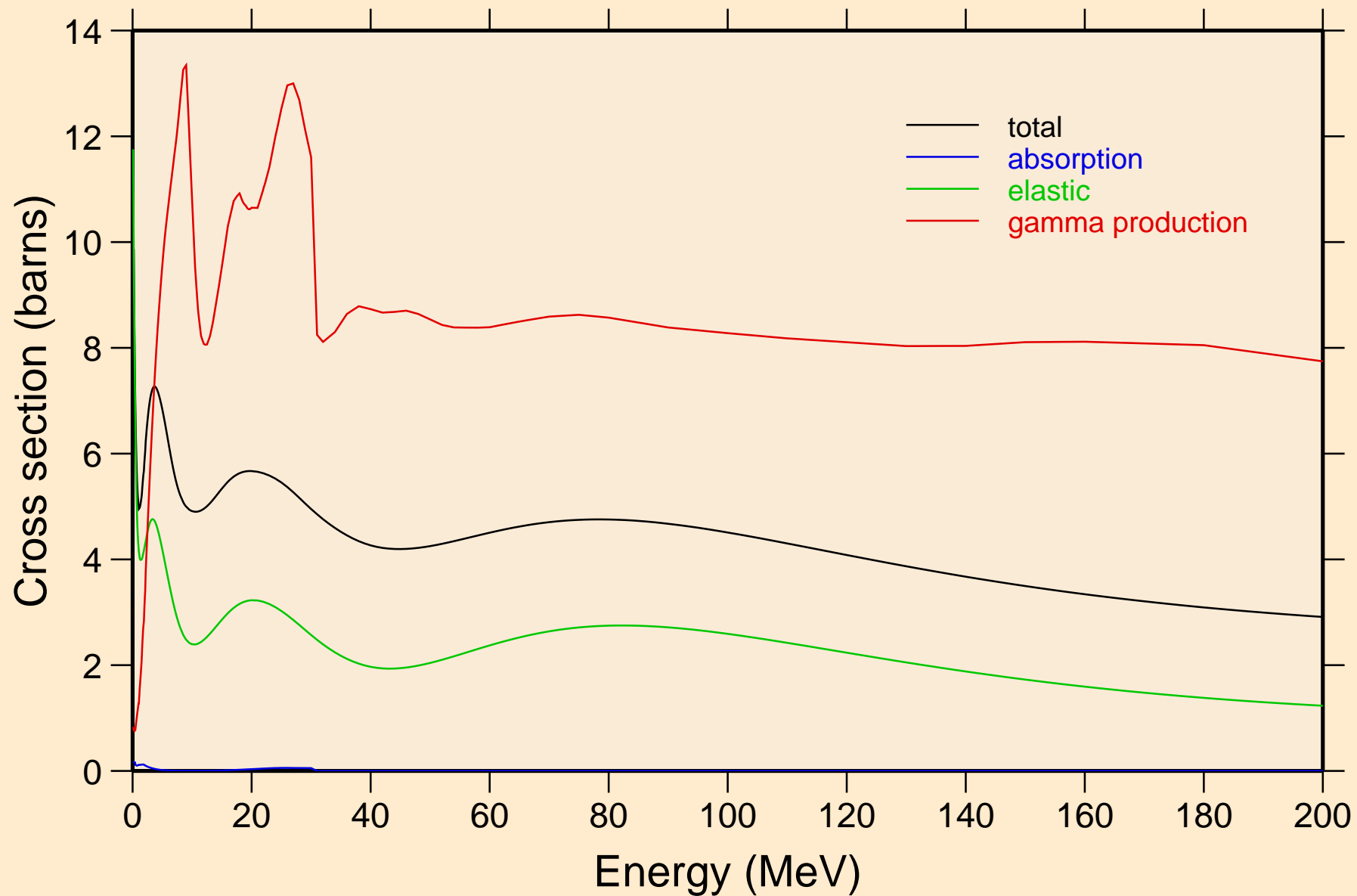
# HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Non-threshold reactions

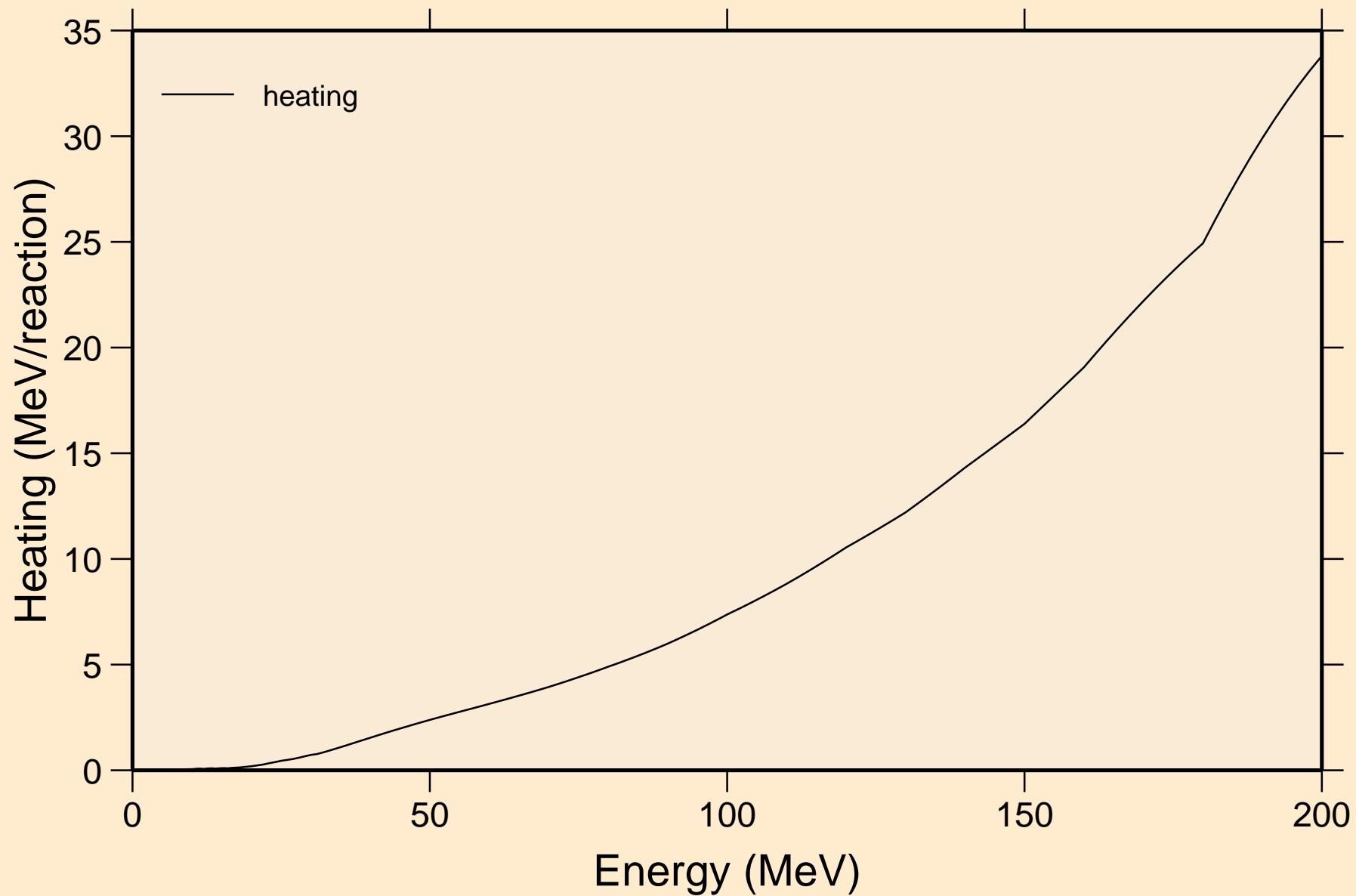


# HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Principal cross sections

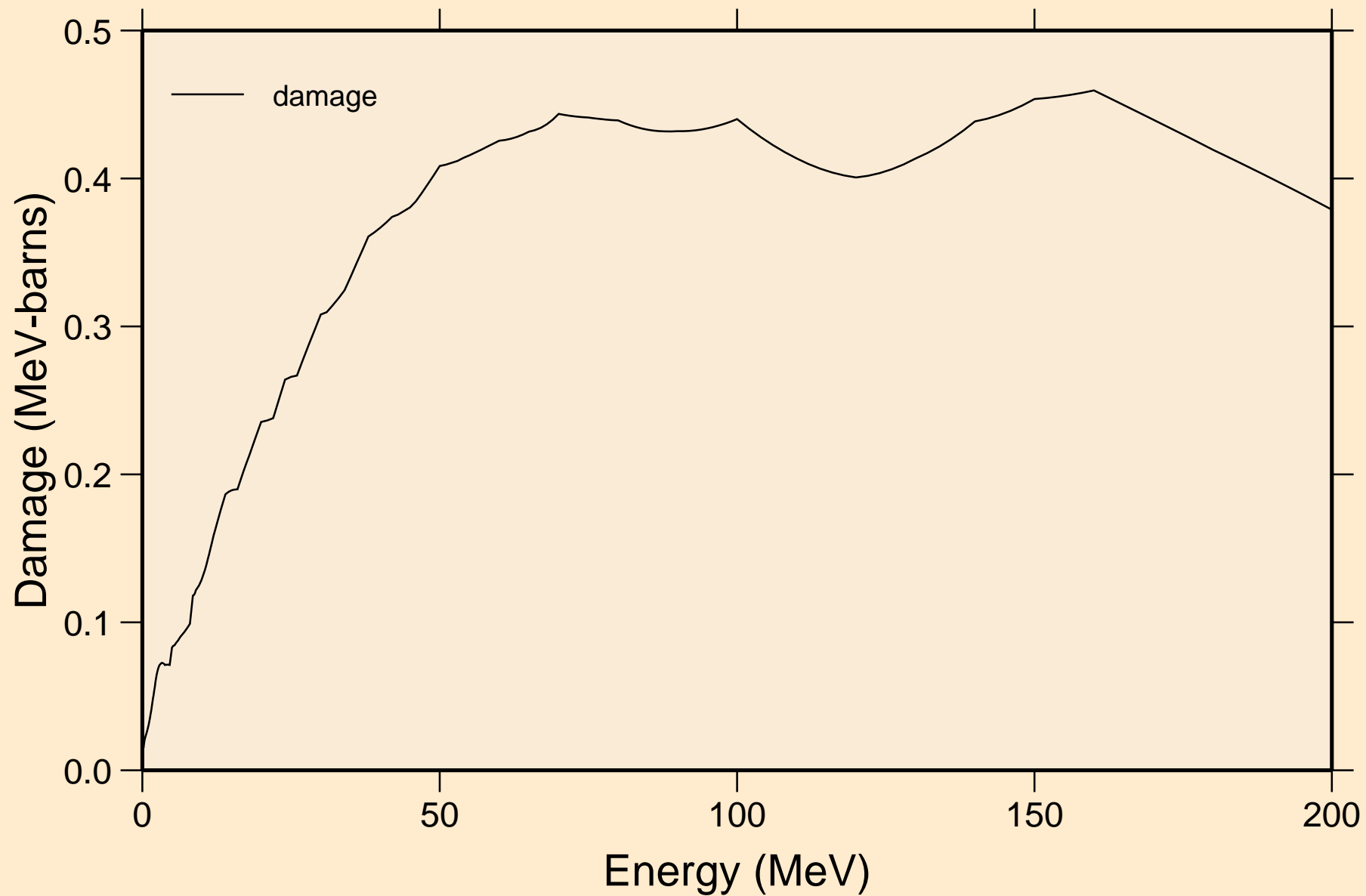


# HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K Heating

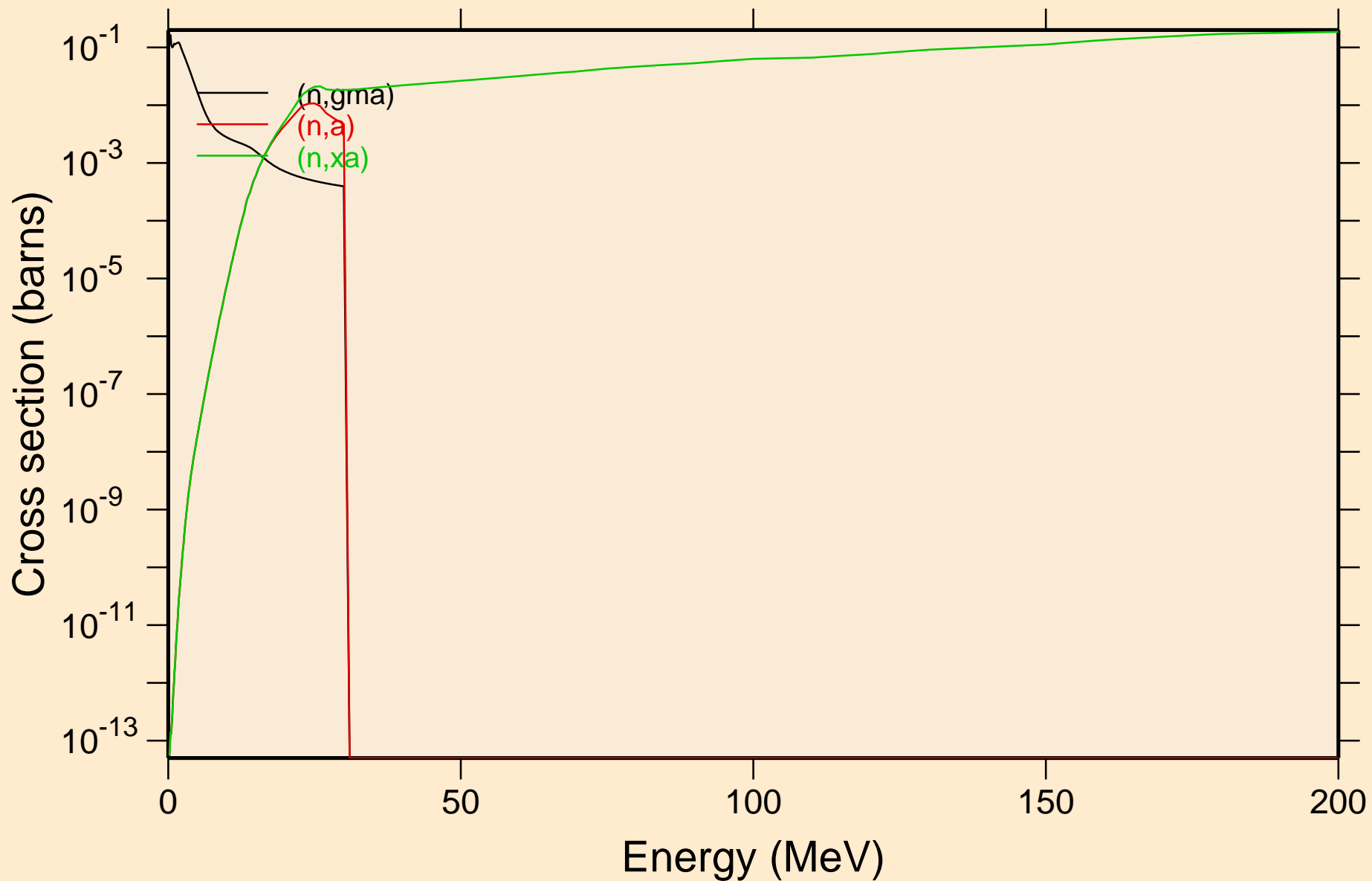




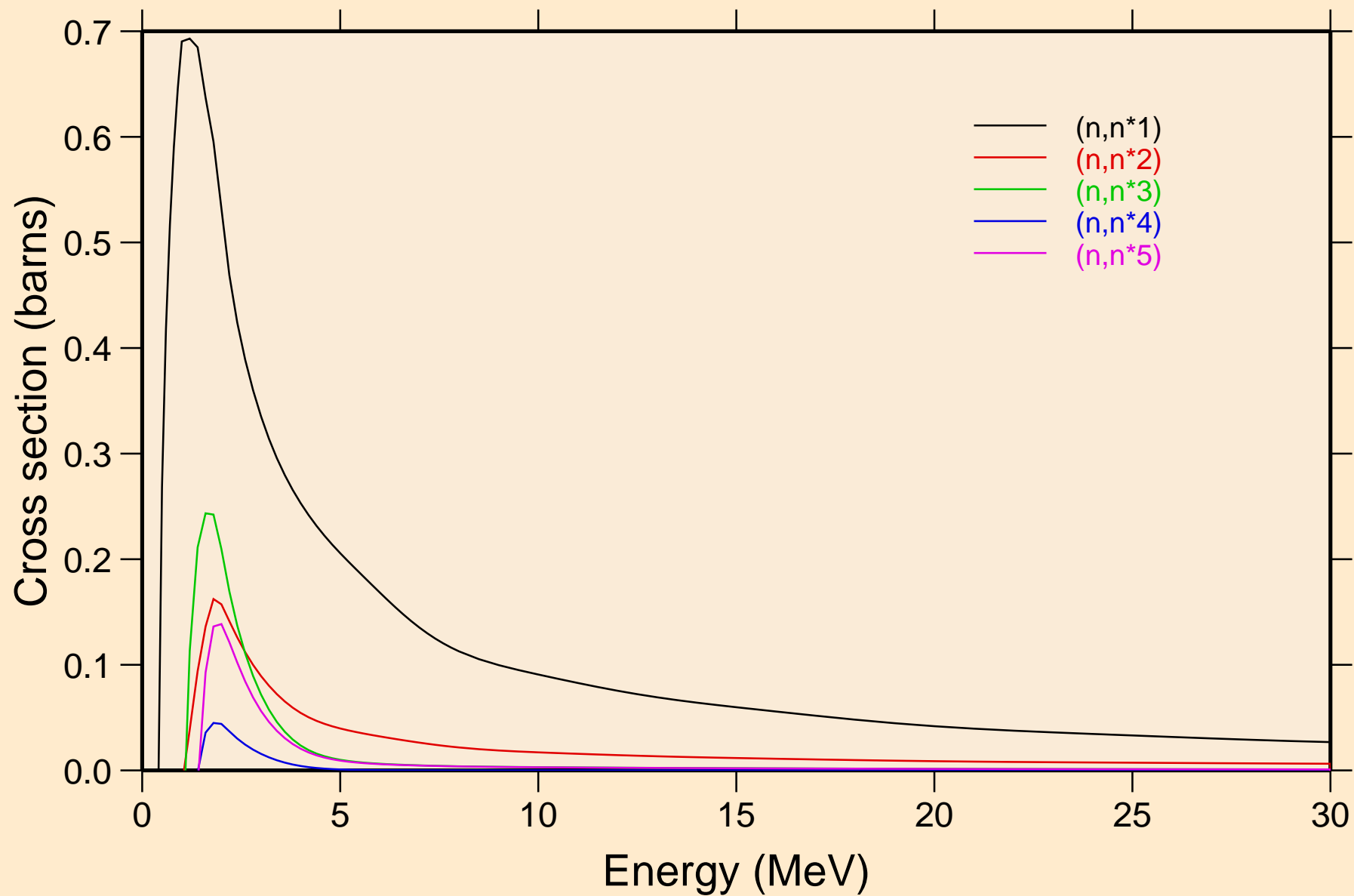
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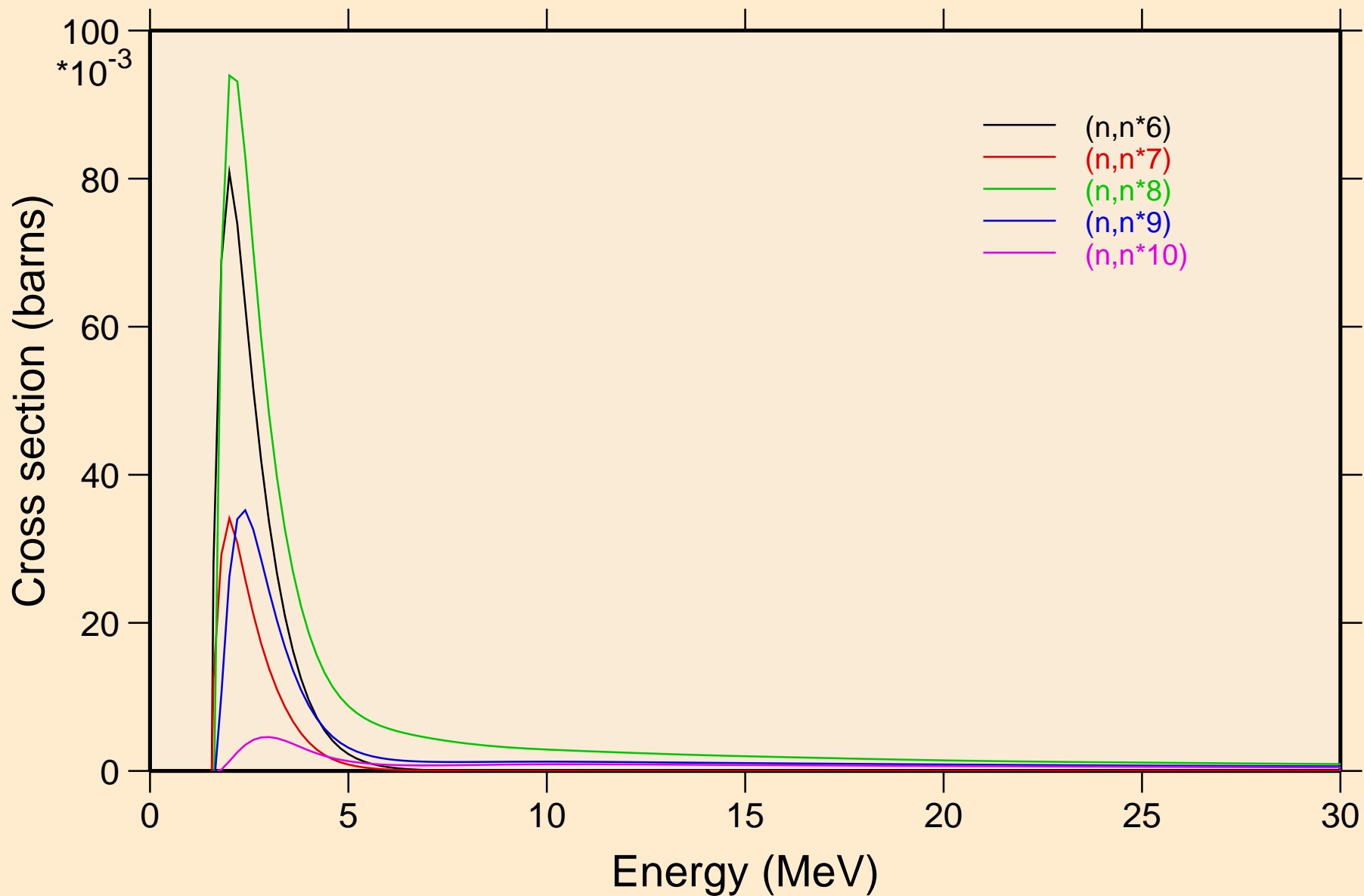
HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions



HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels

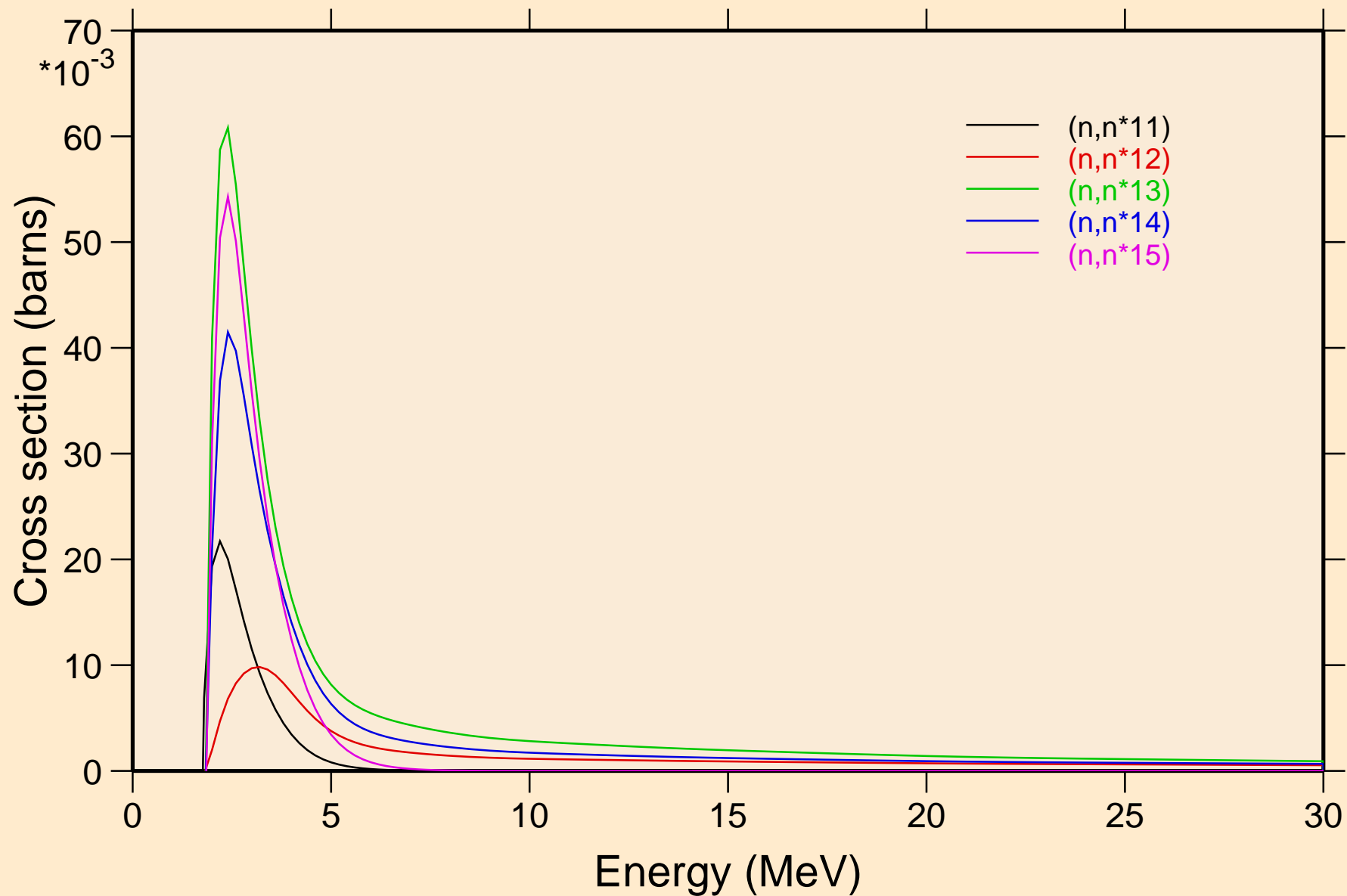


HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



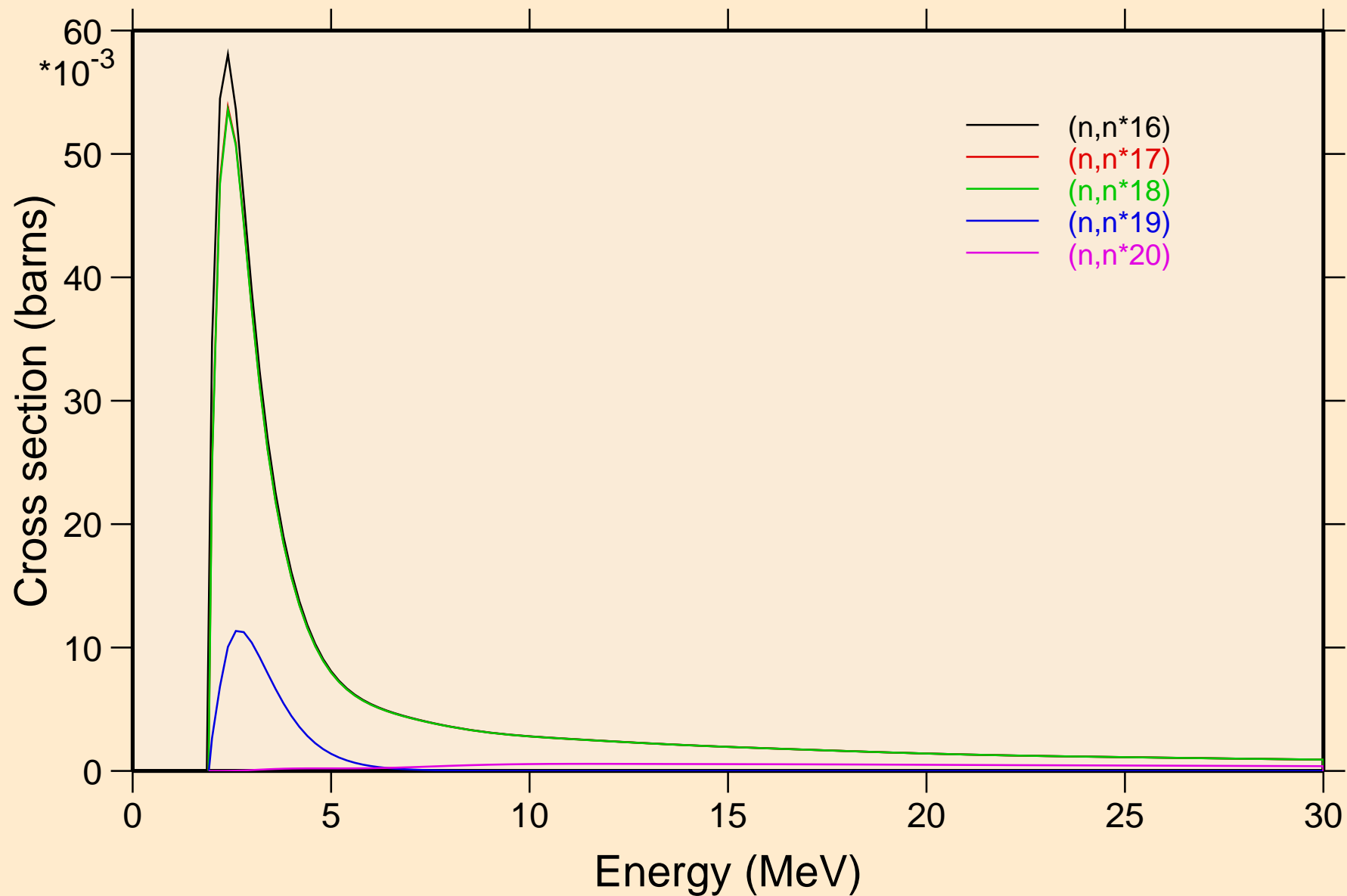
# HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Inelastic levels

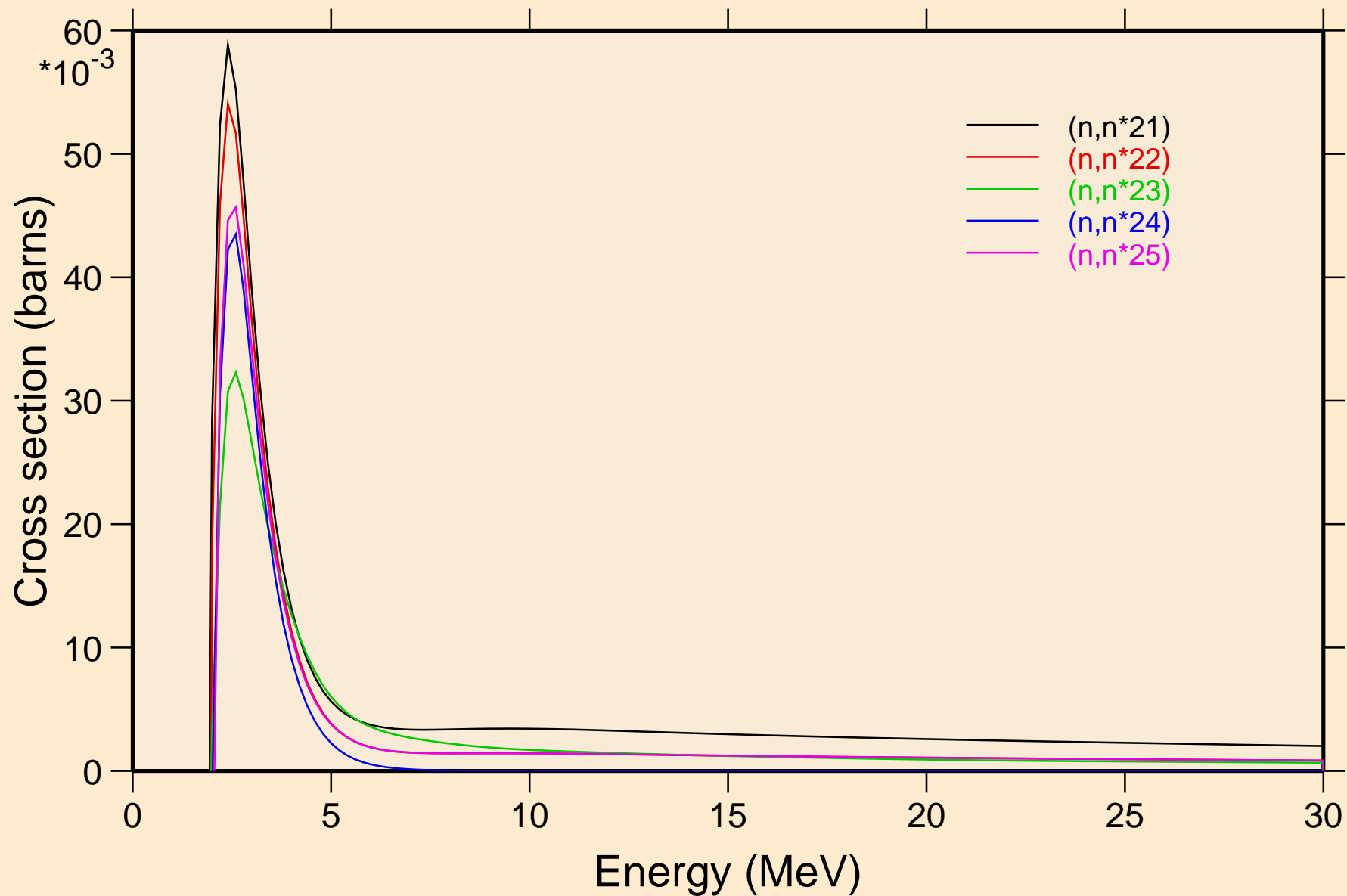


# HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

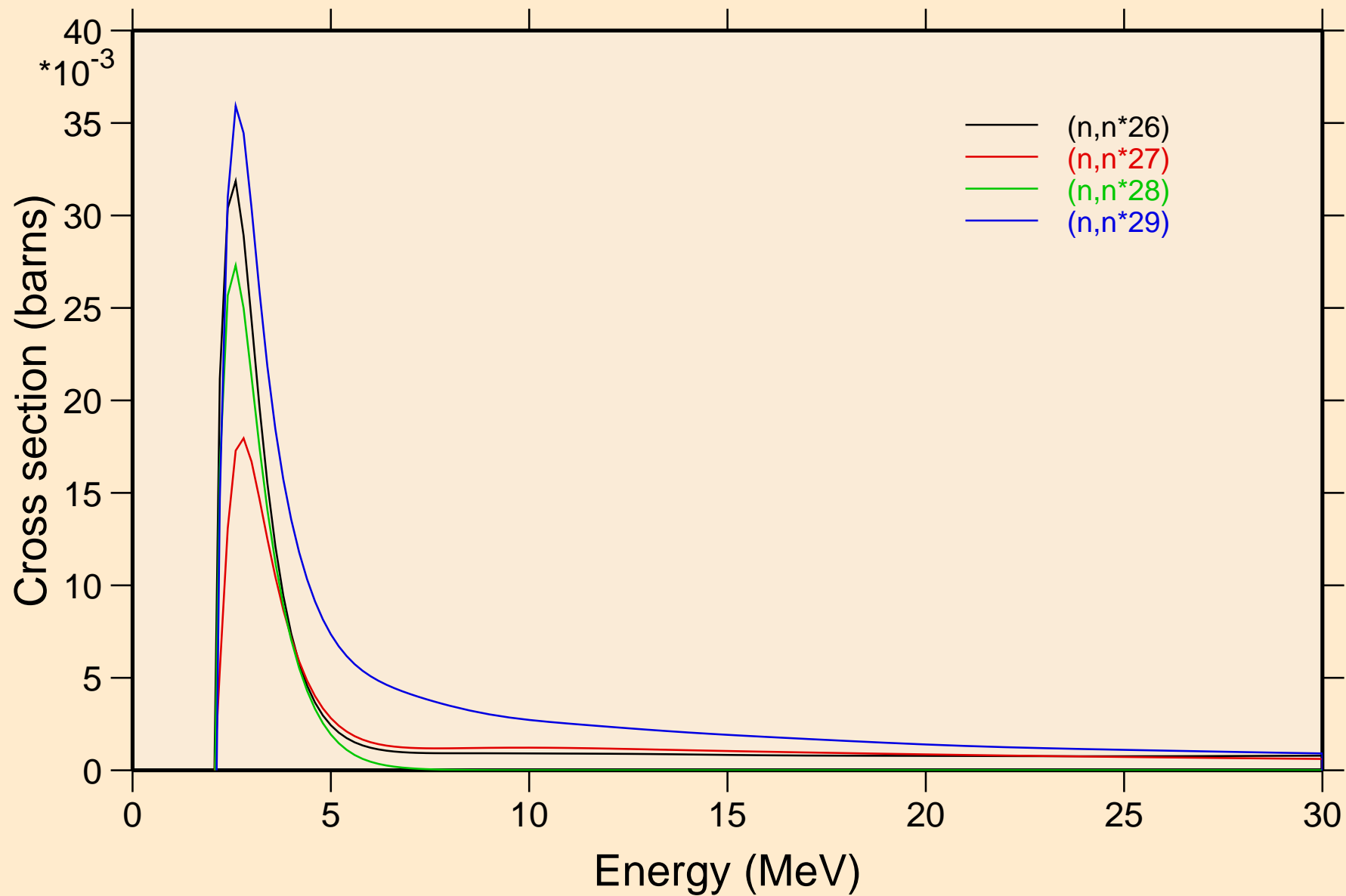
## Inelastic levels



HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



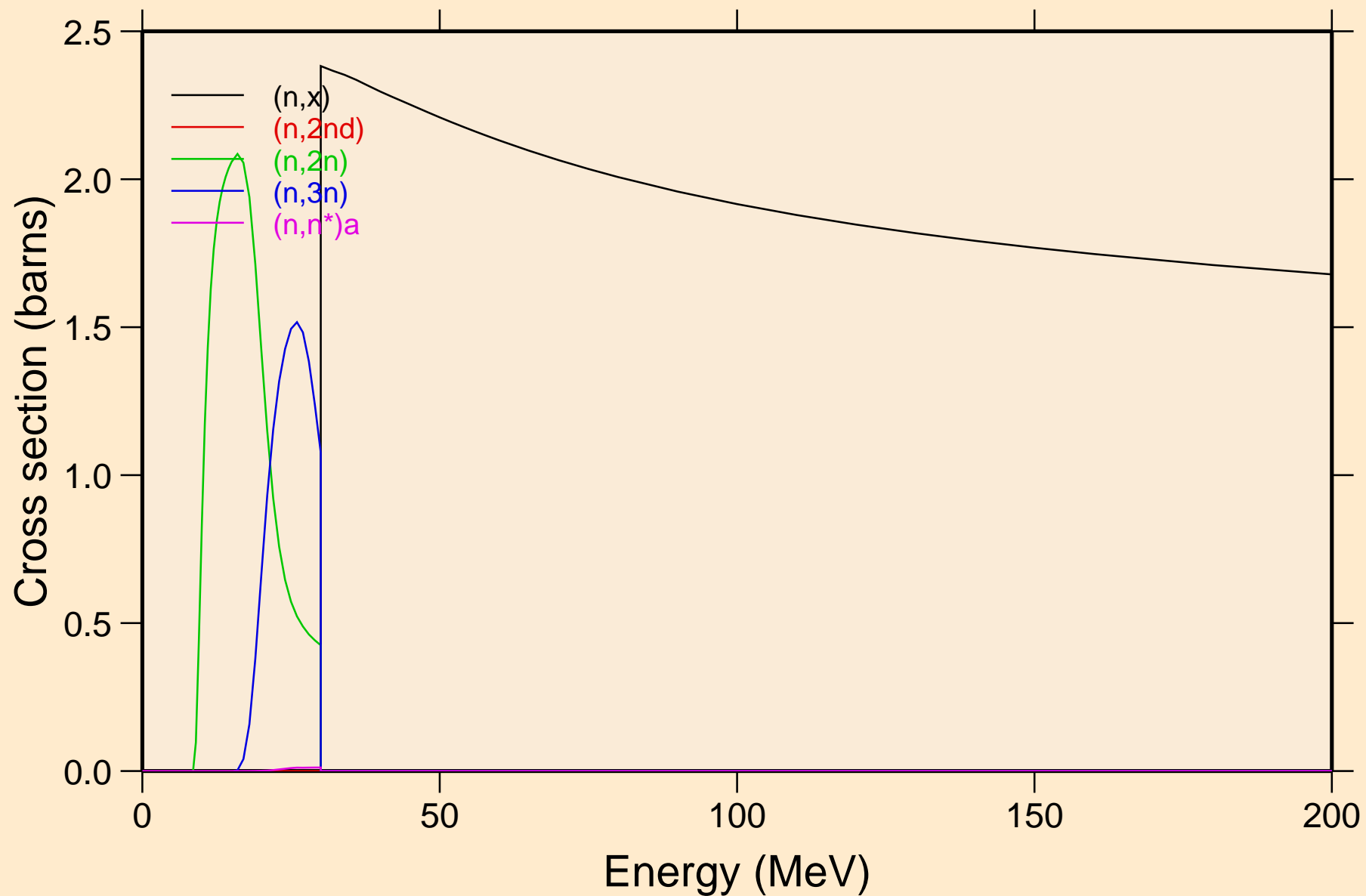
HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels





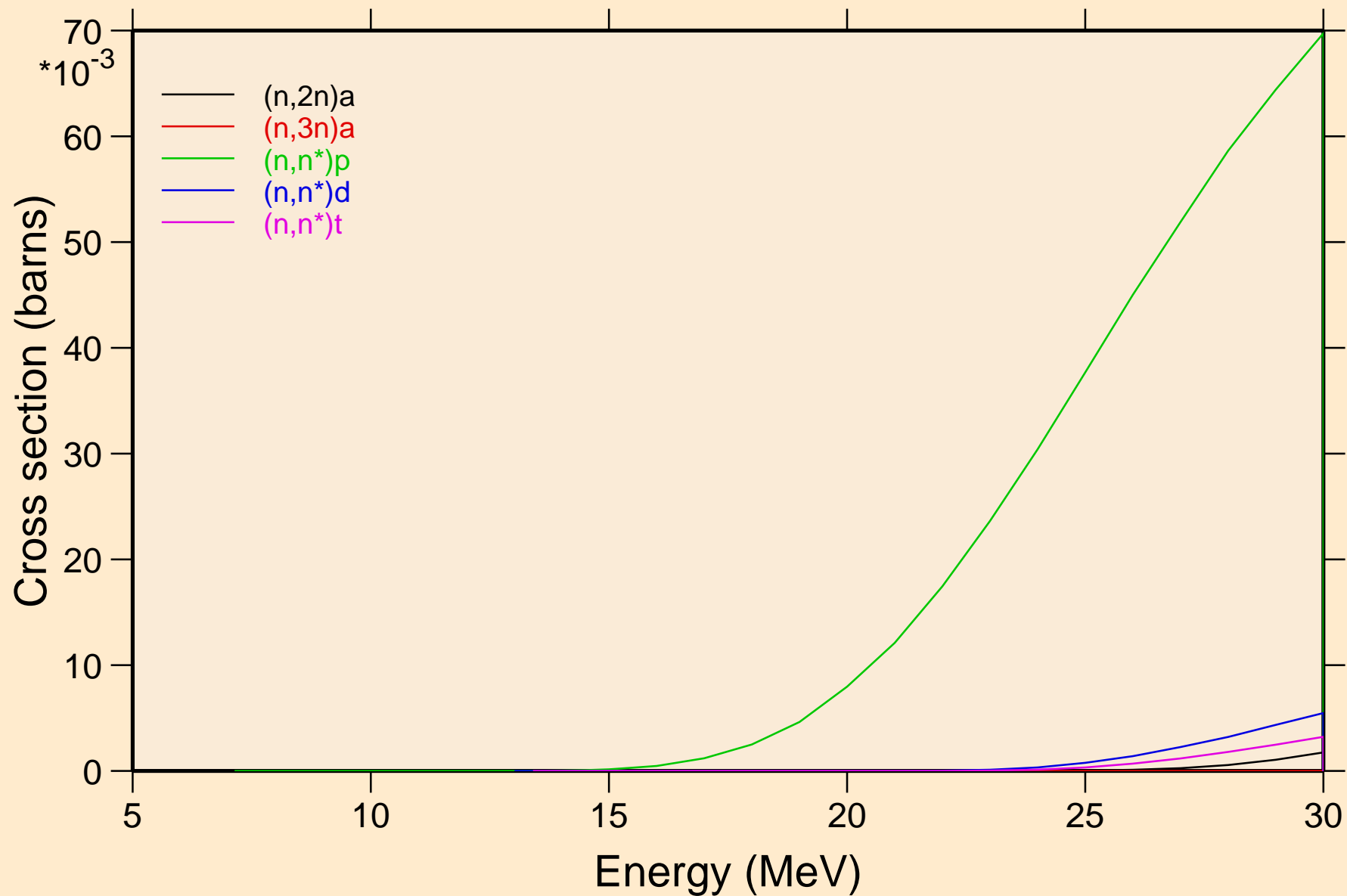
# HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Threshold reactions



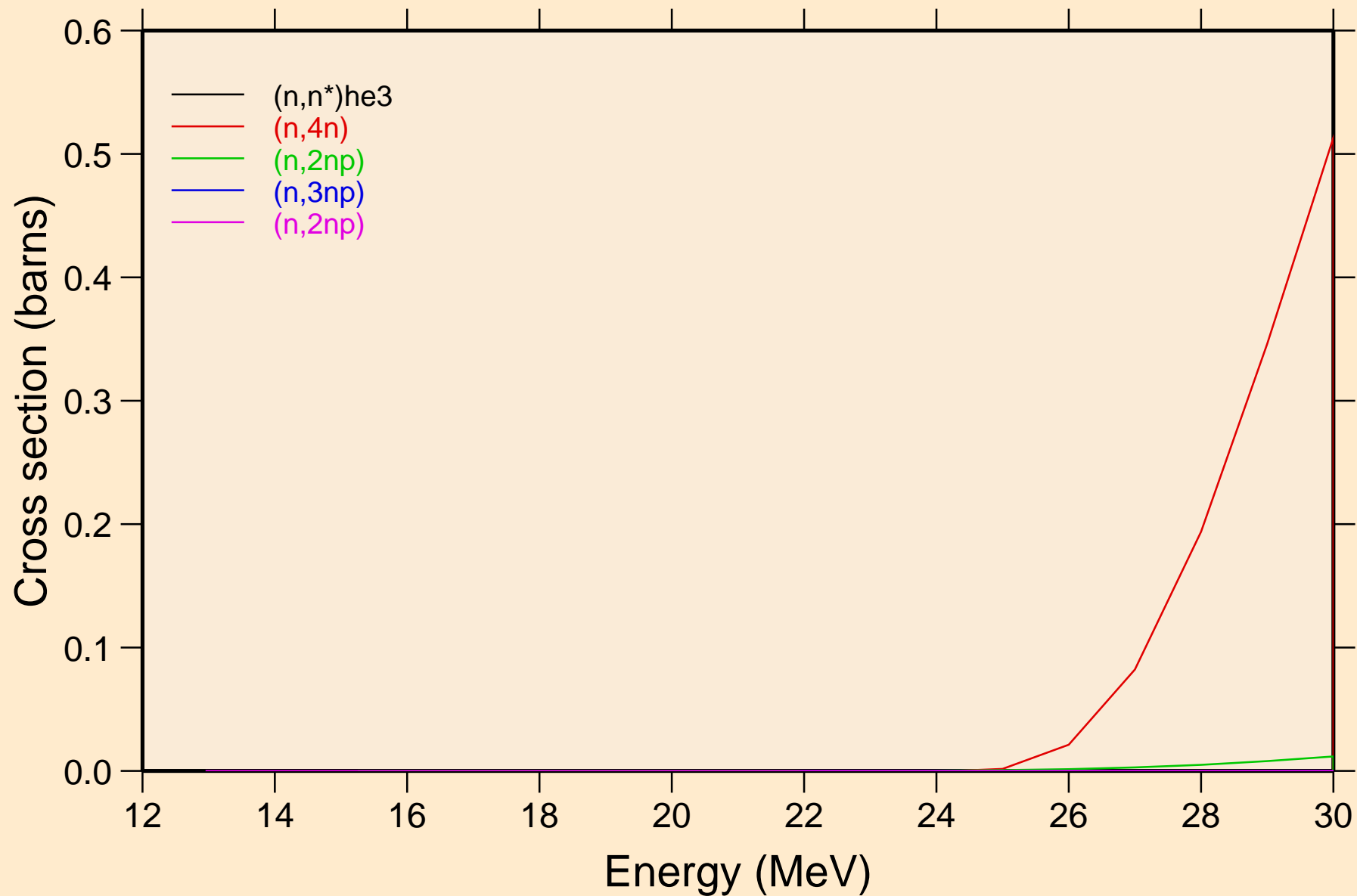
# HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Threshold reactions

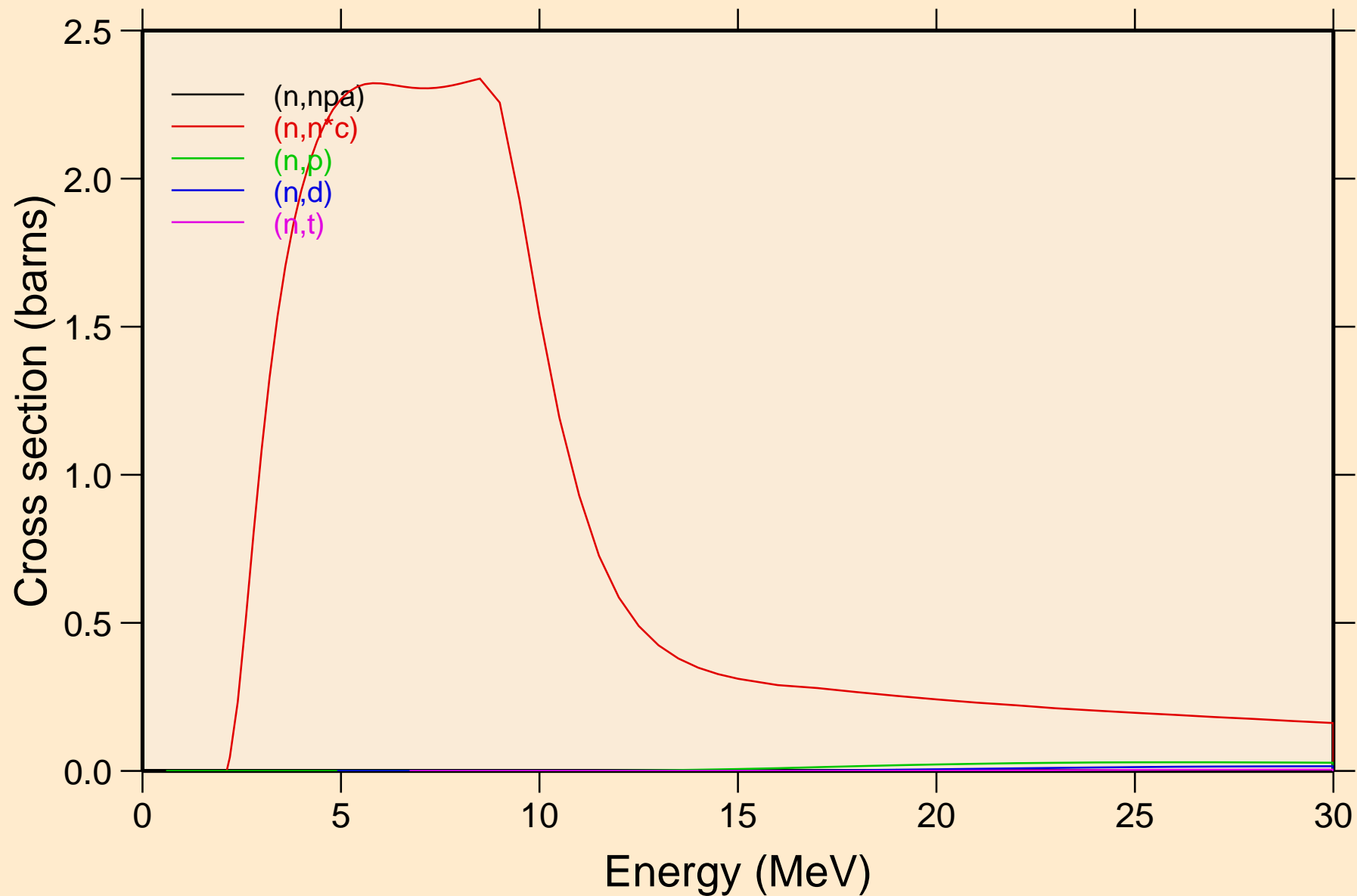


# HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Threshold reactions

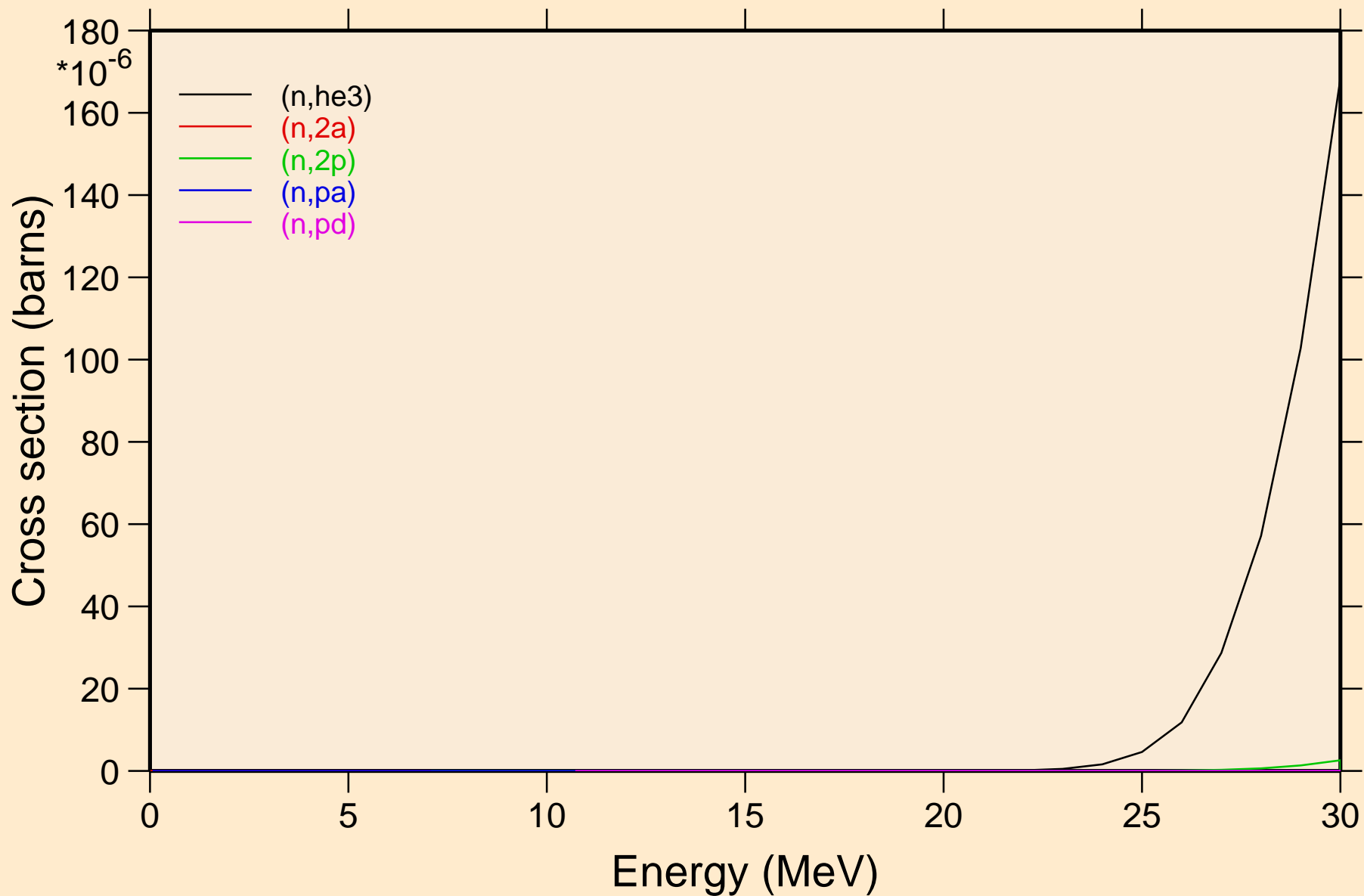


HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

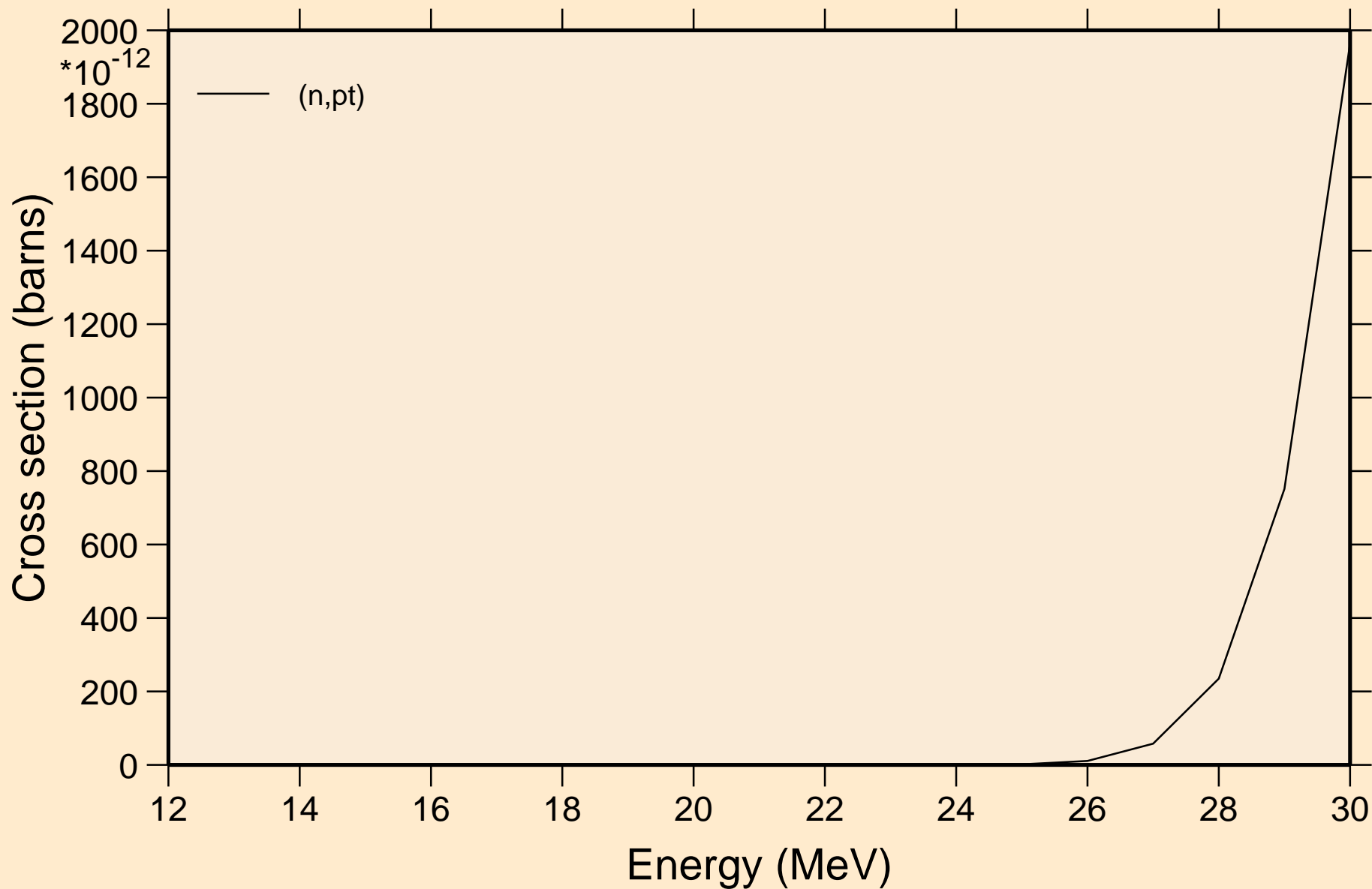


# HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

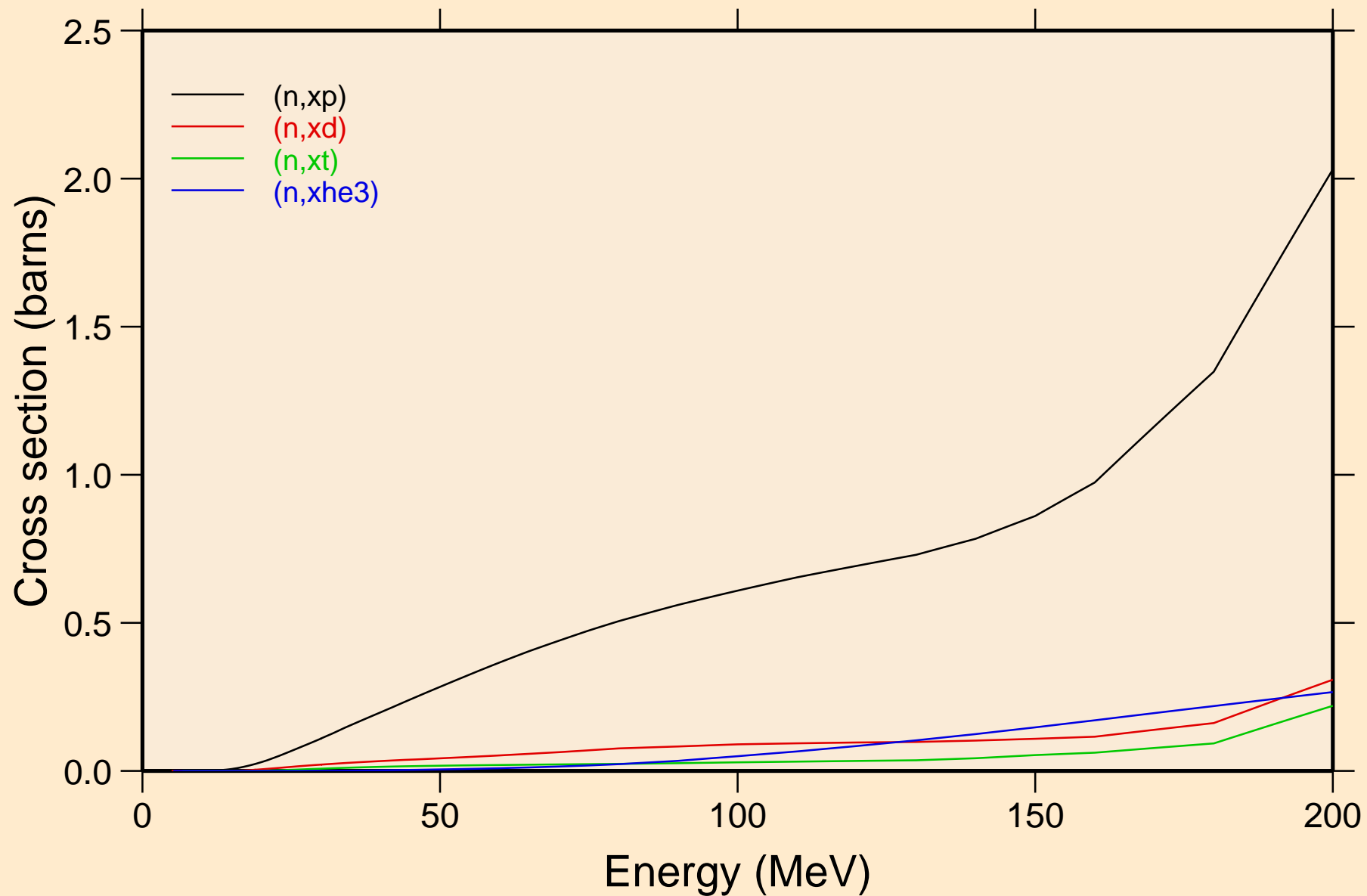
## Threshold reactions



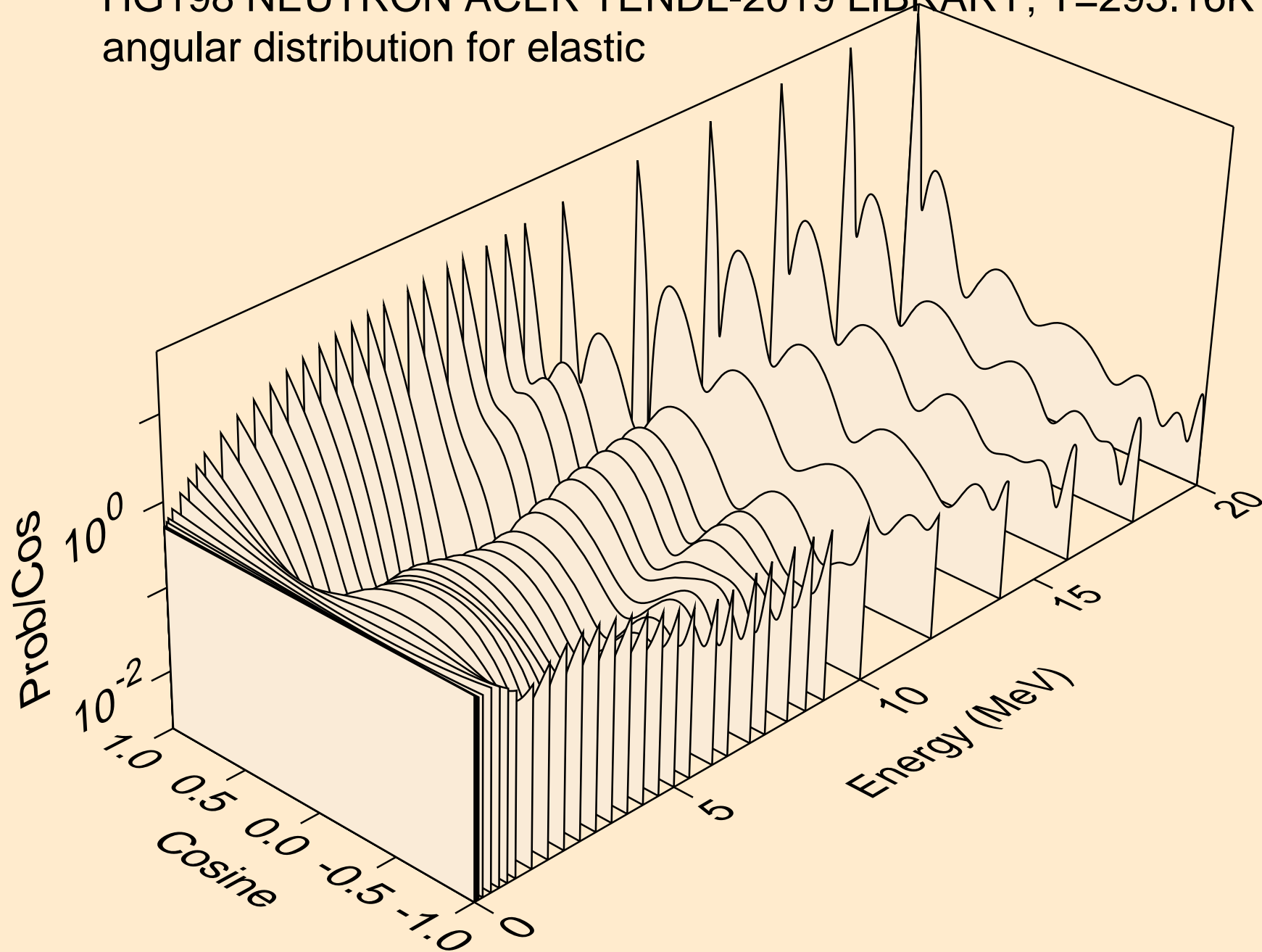
HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

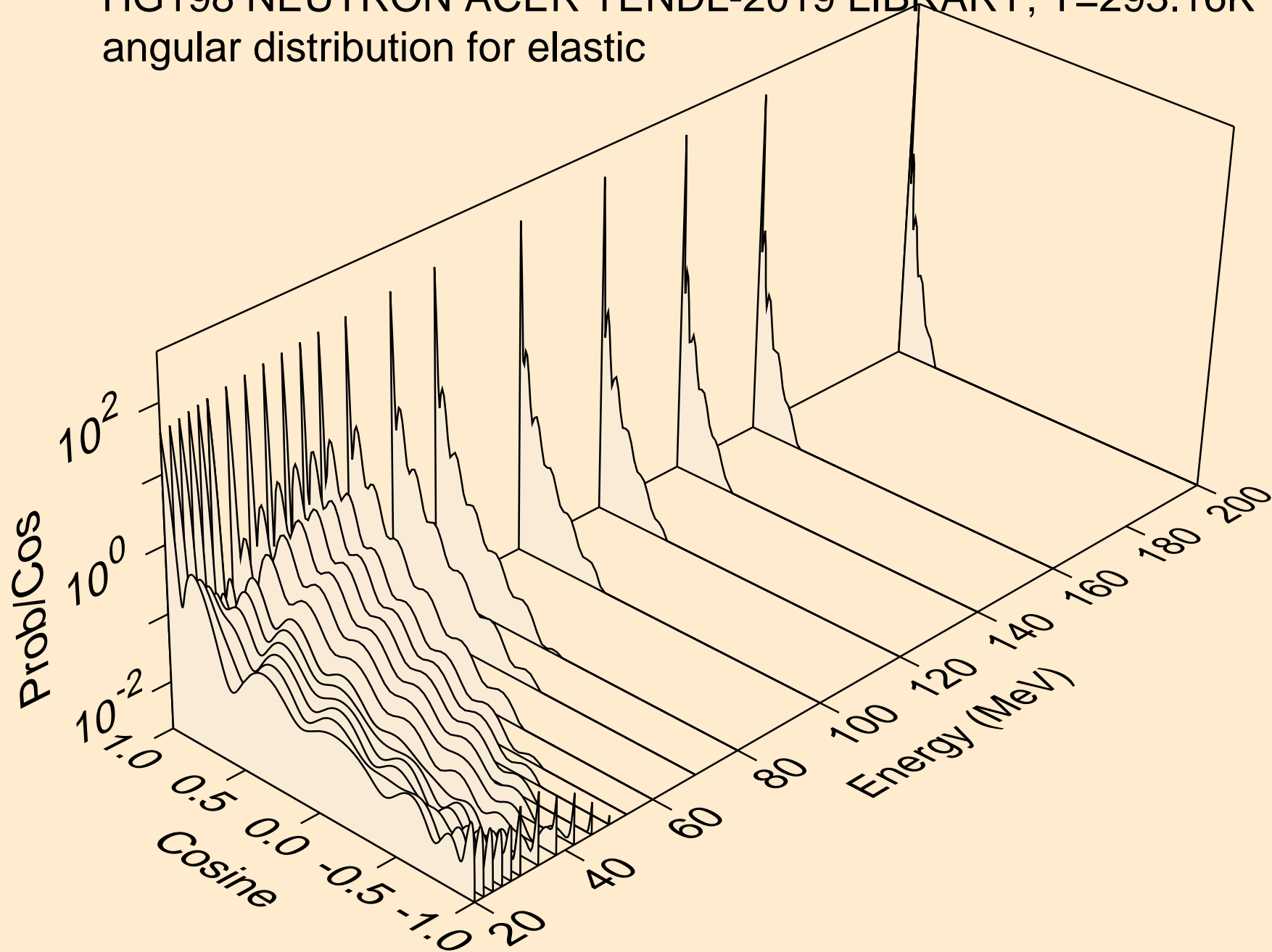


HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic

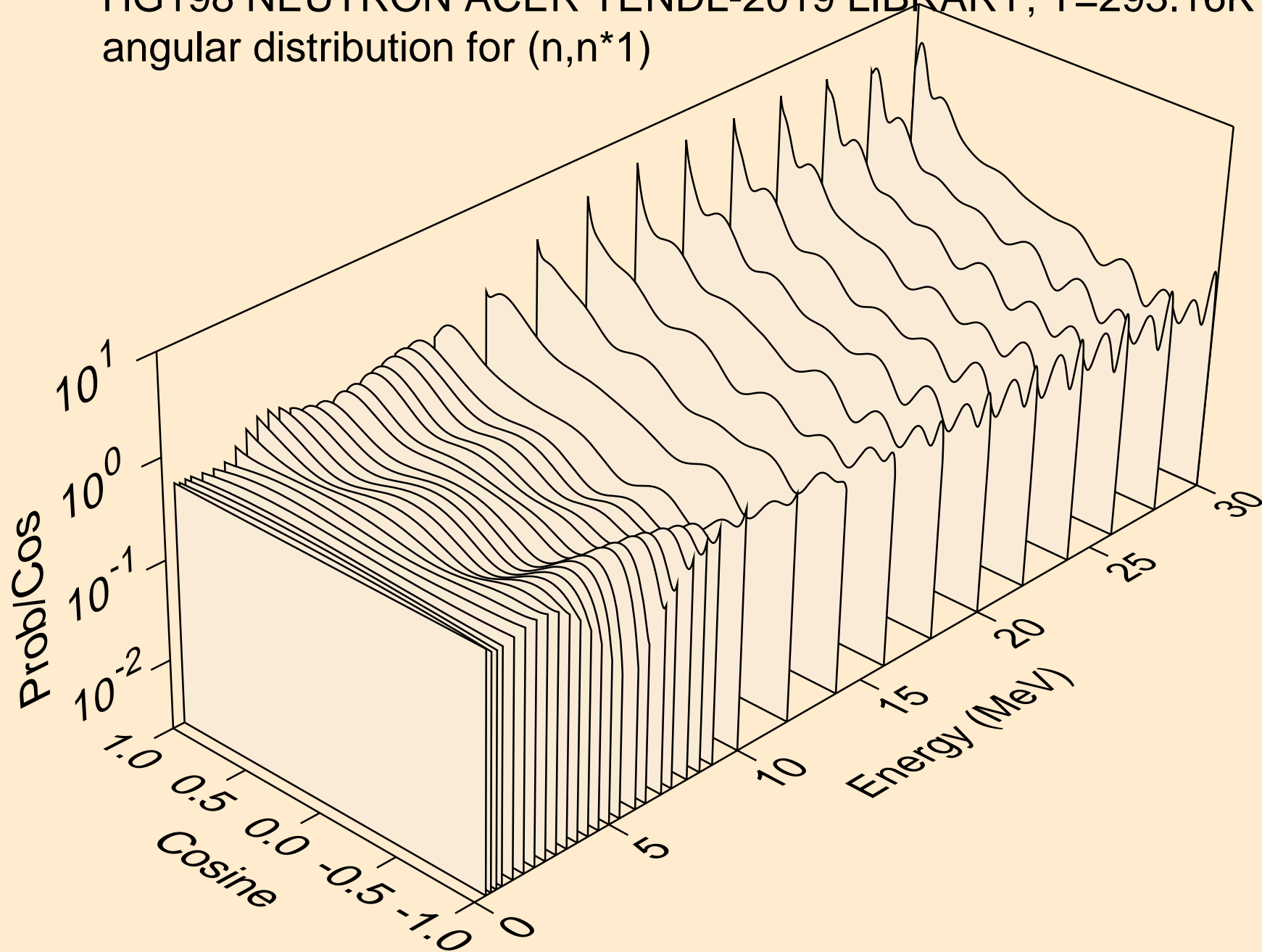




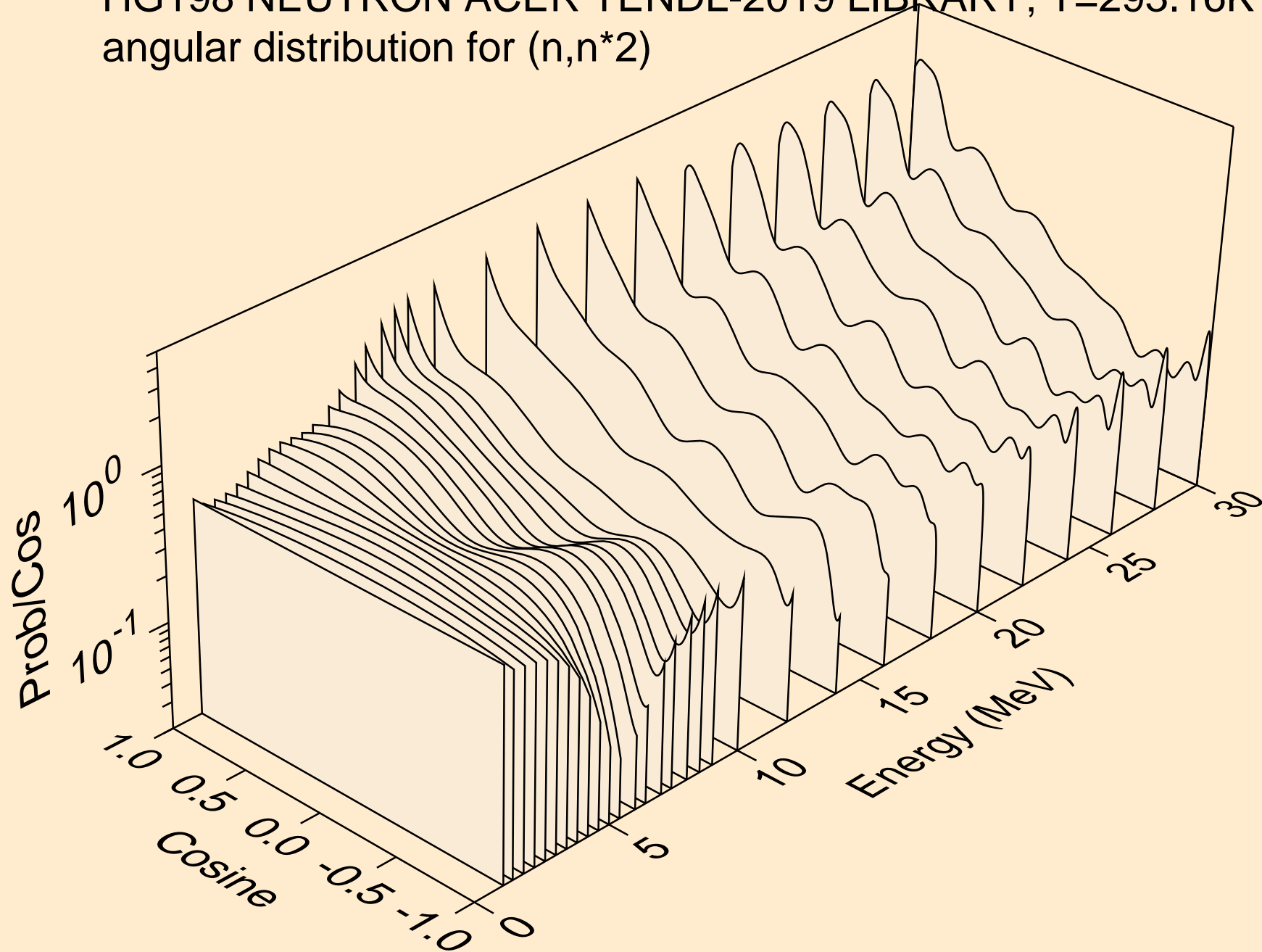
HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic



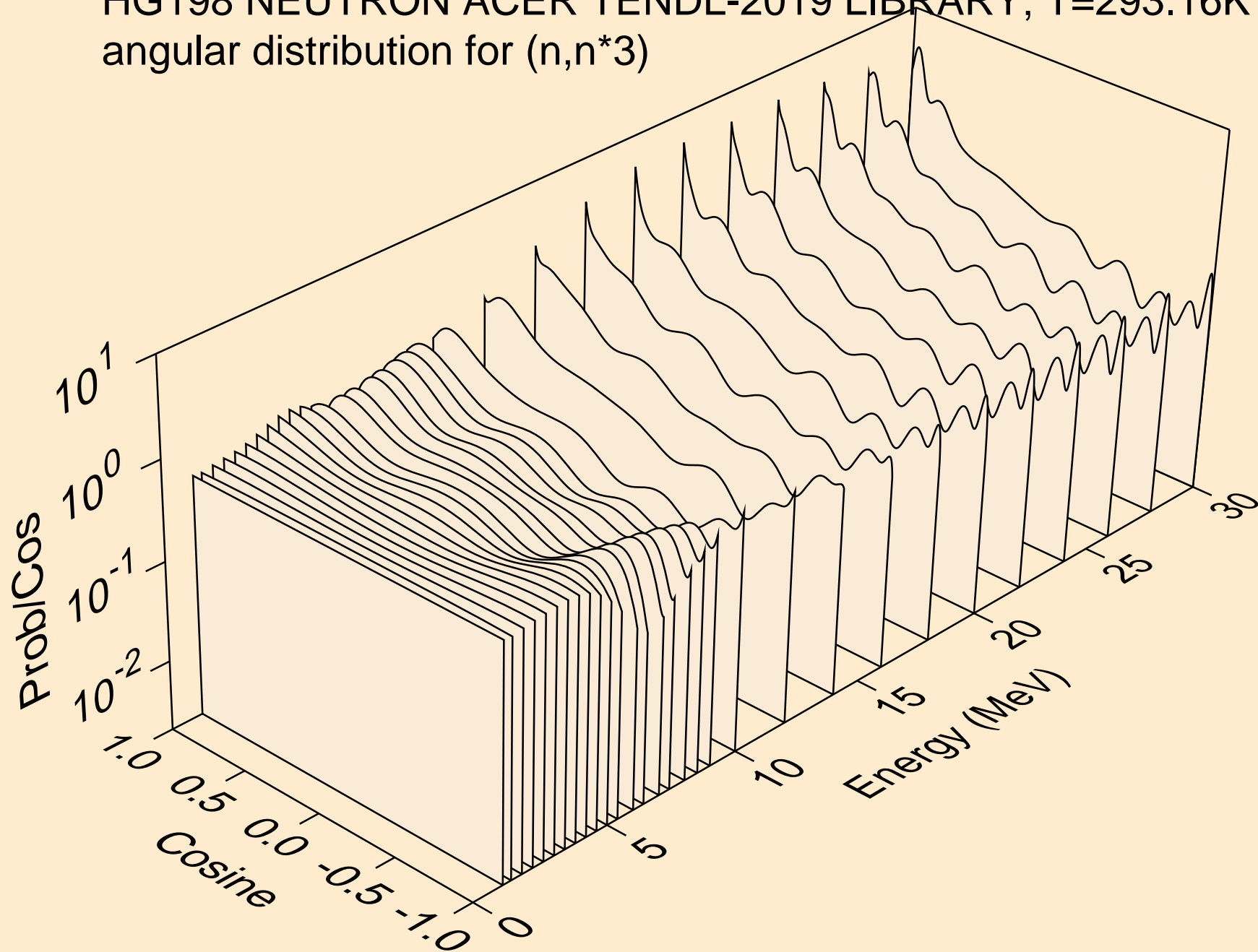
HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*1)



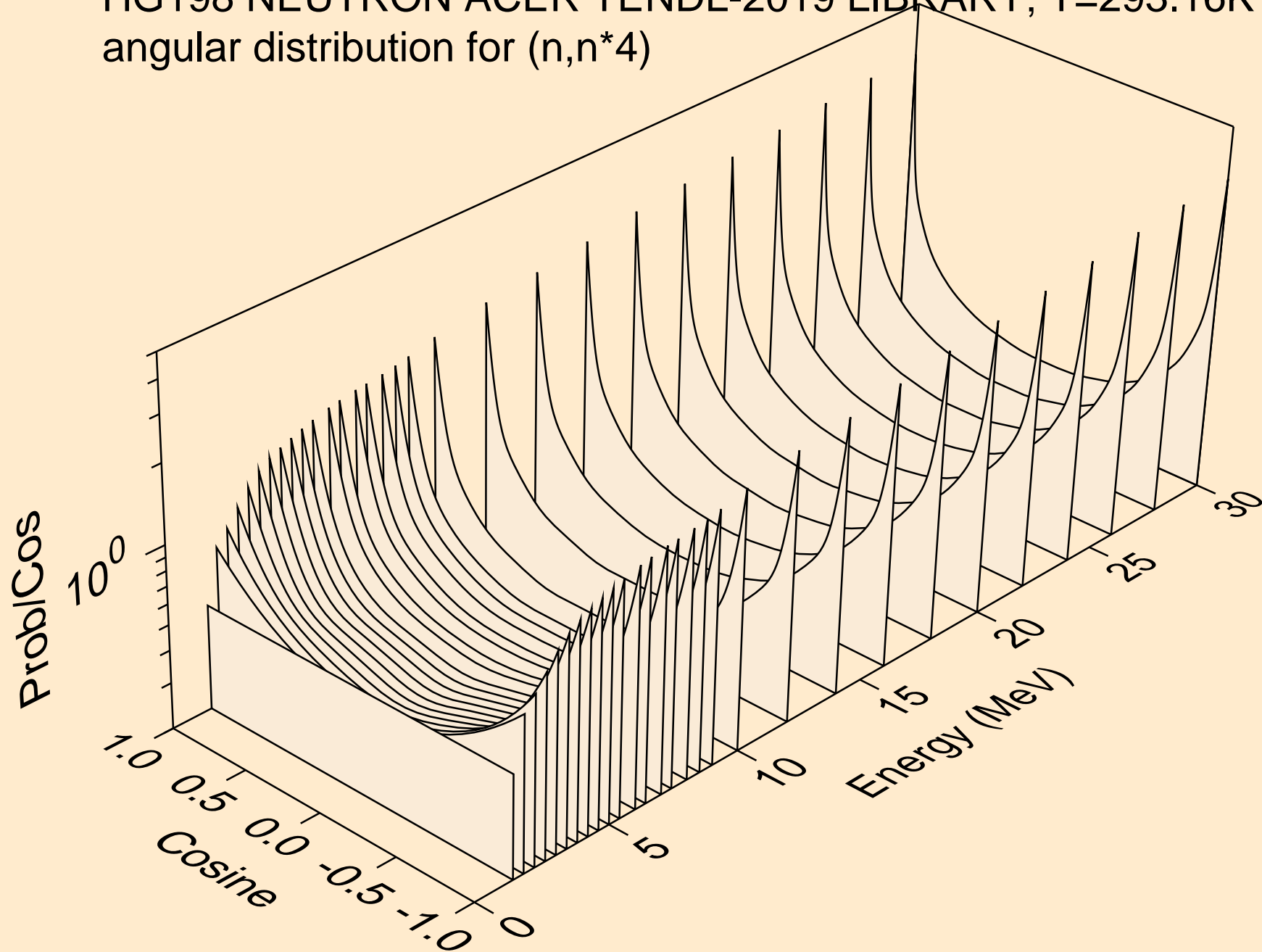
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angular distribution for (n,n\*2)



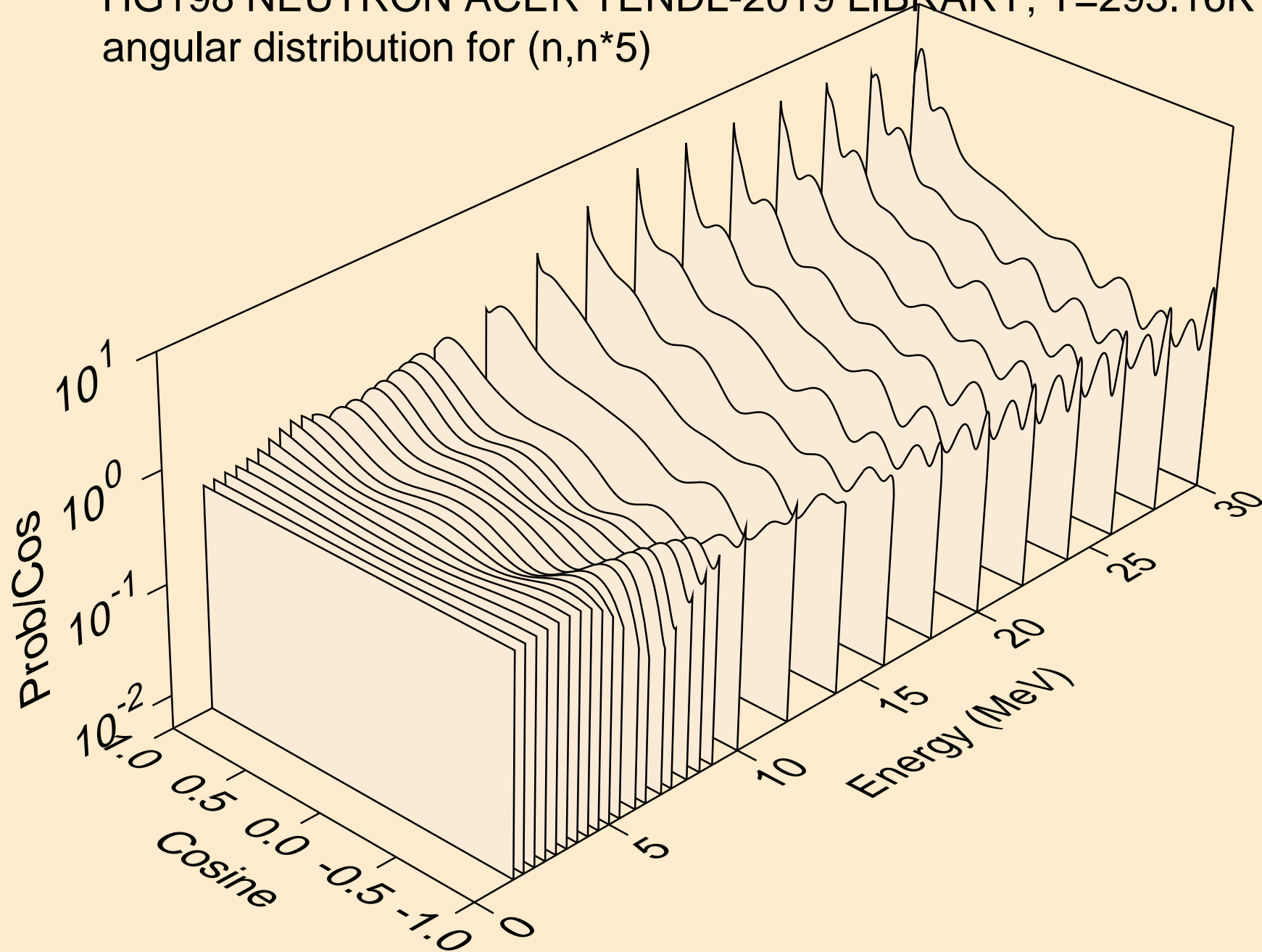
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angular distribution for (n,n\*3)



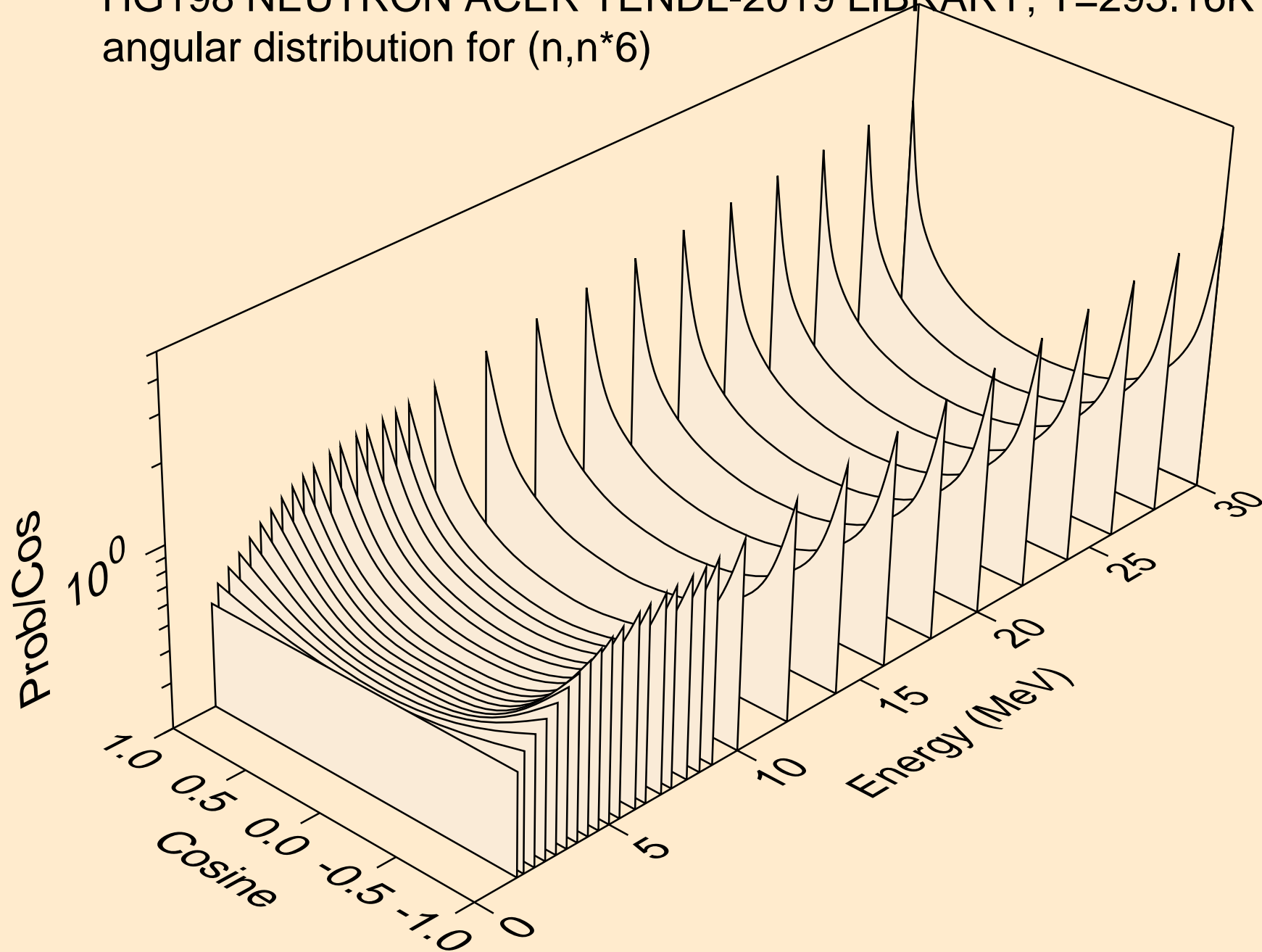
HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*4)



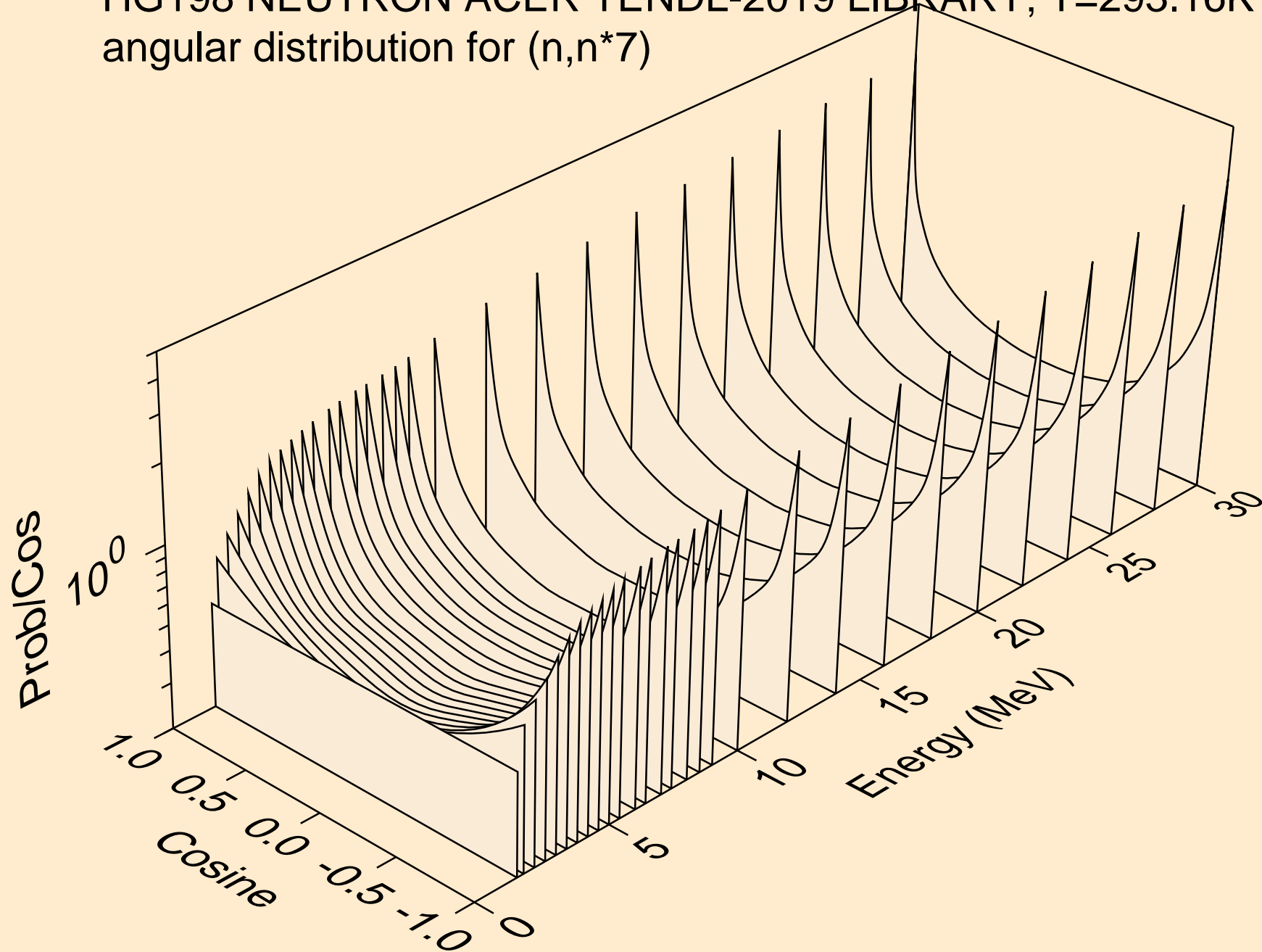
HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*5)



HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*6)

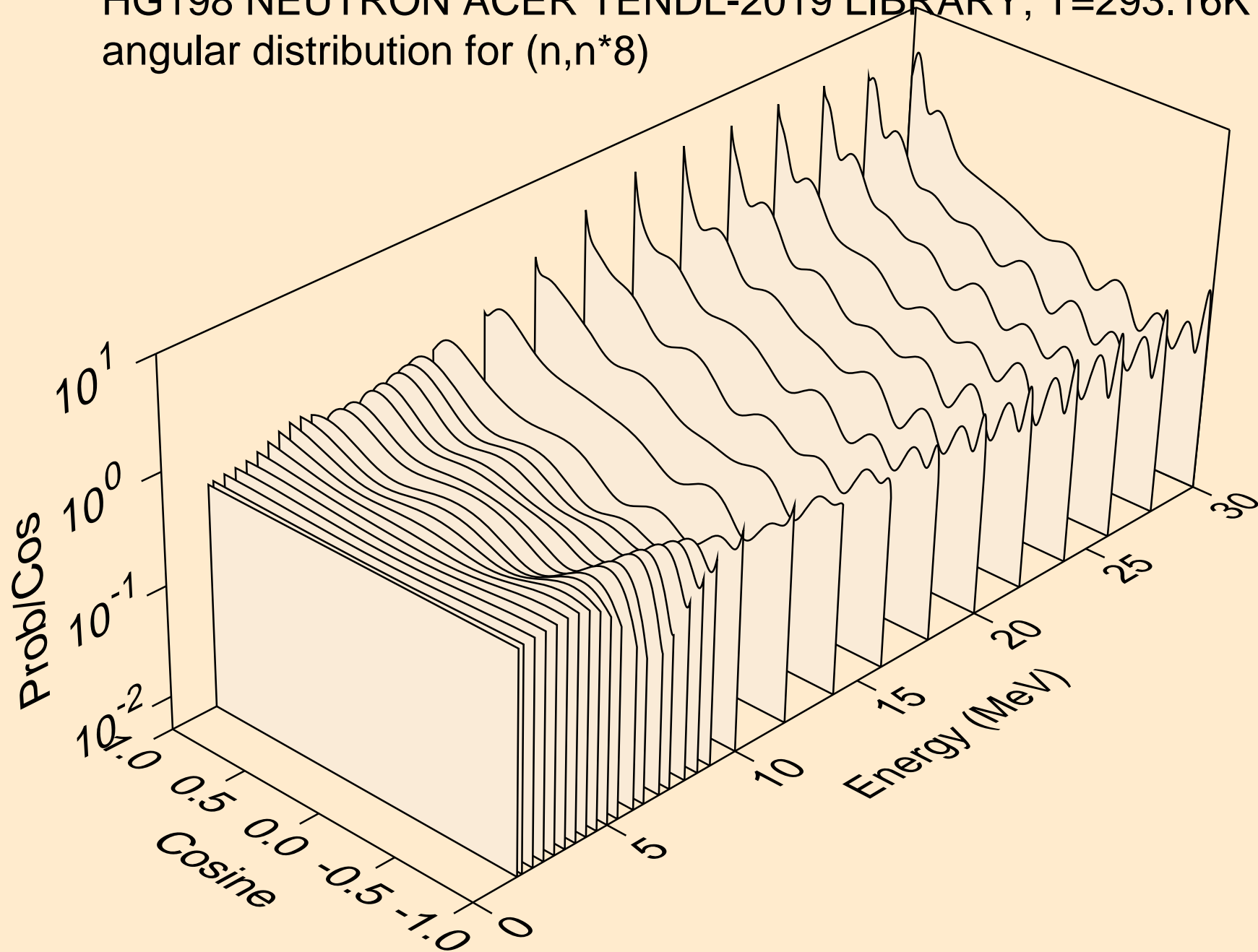


HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*7)

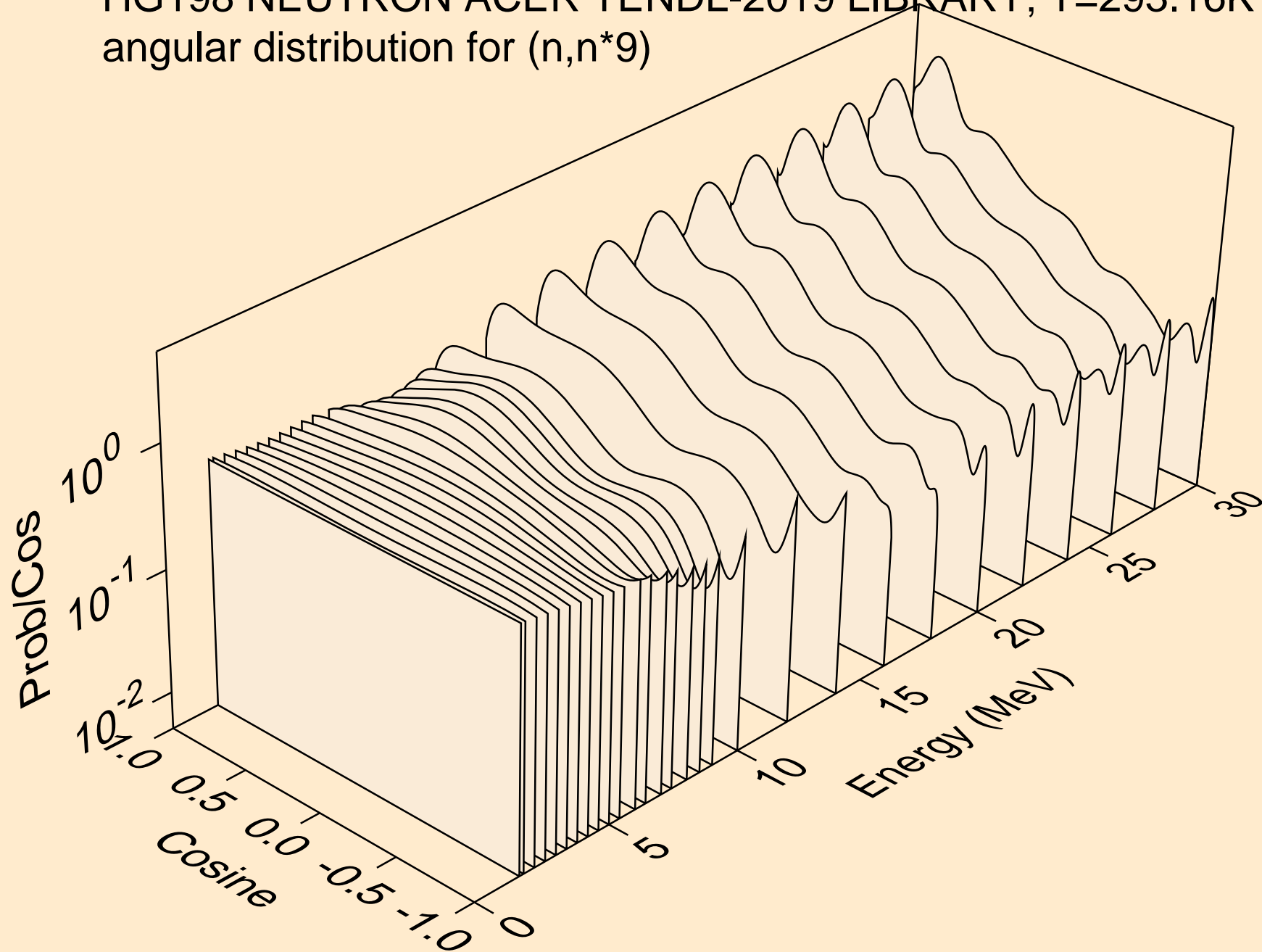




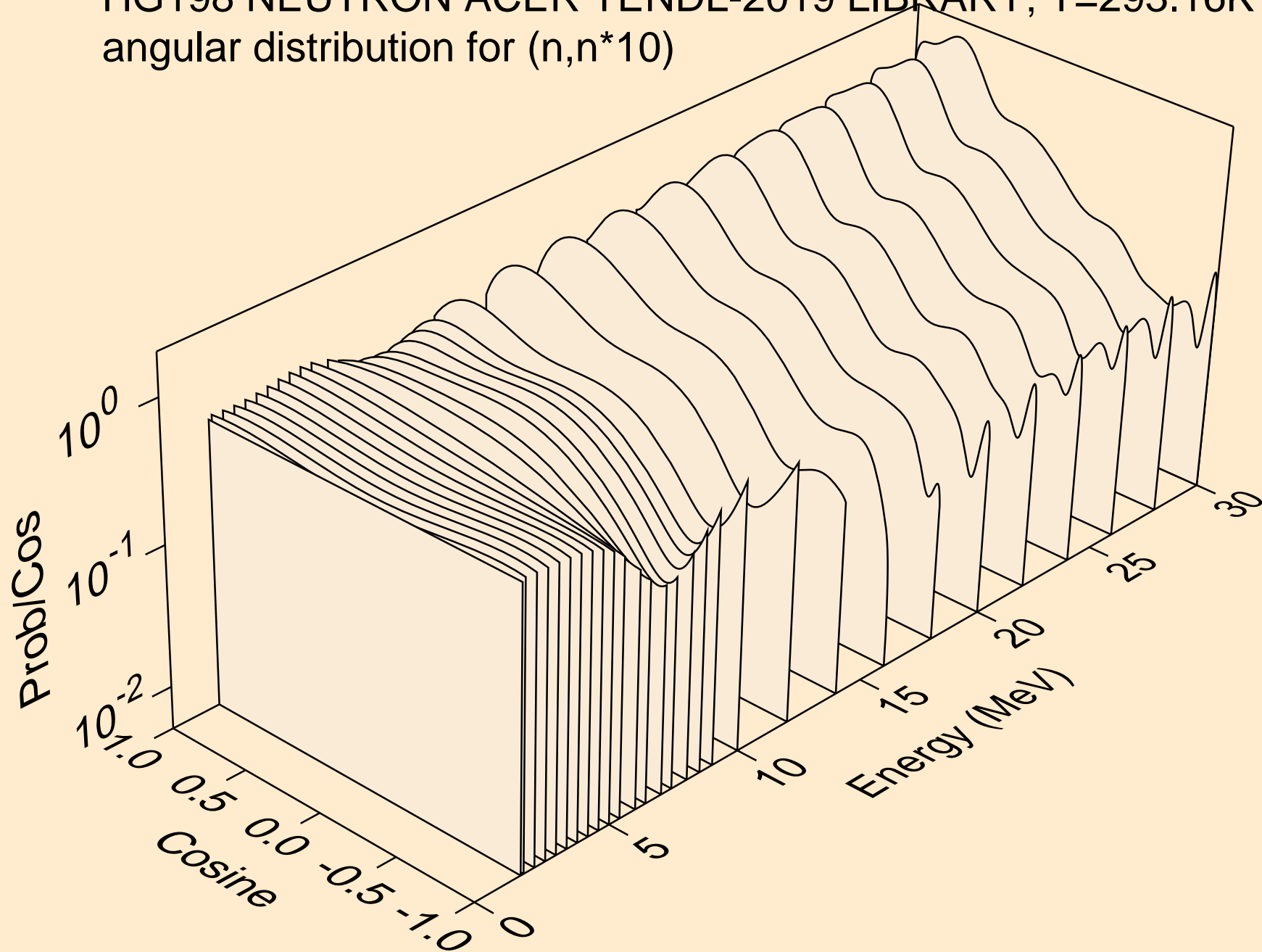
HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*8)



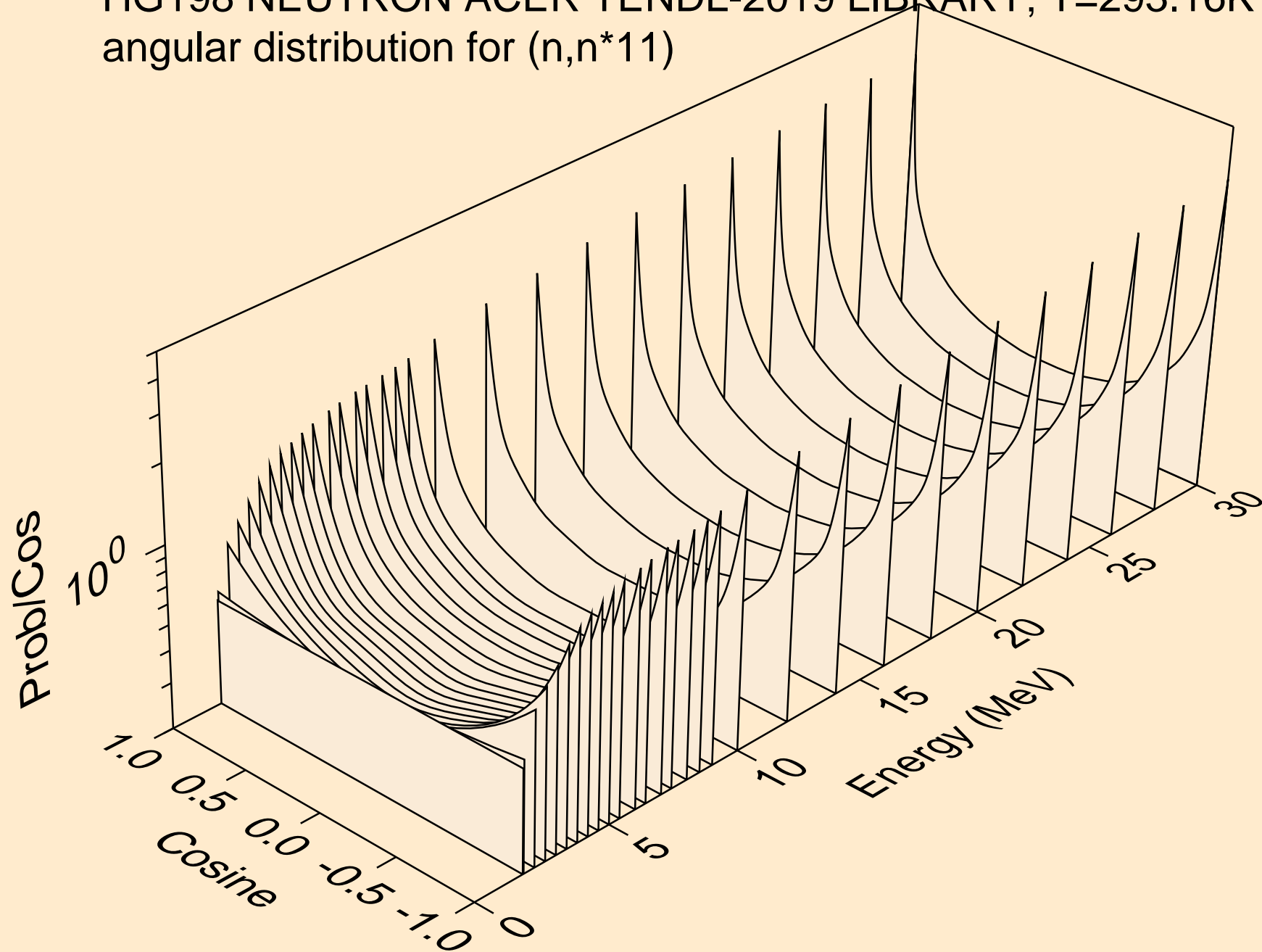
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angular distribution for (n,n\*9)



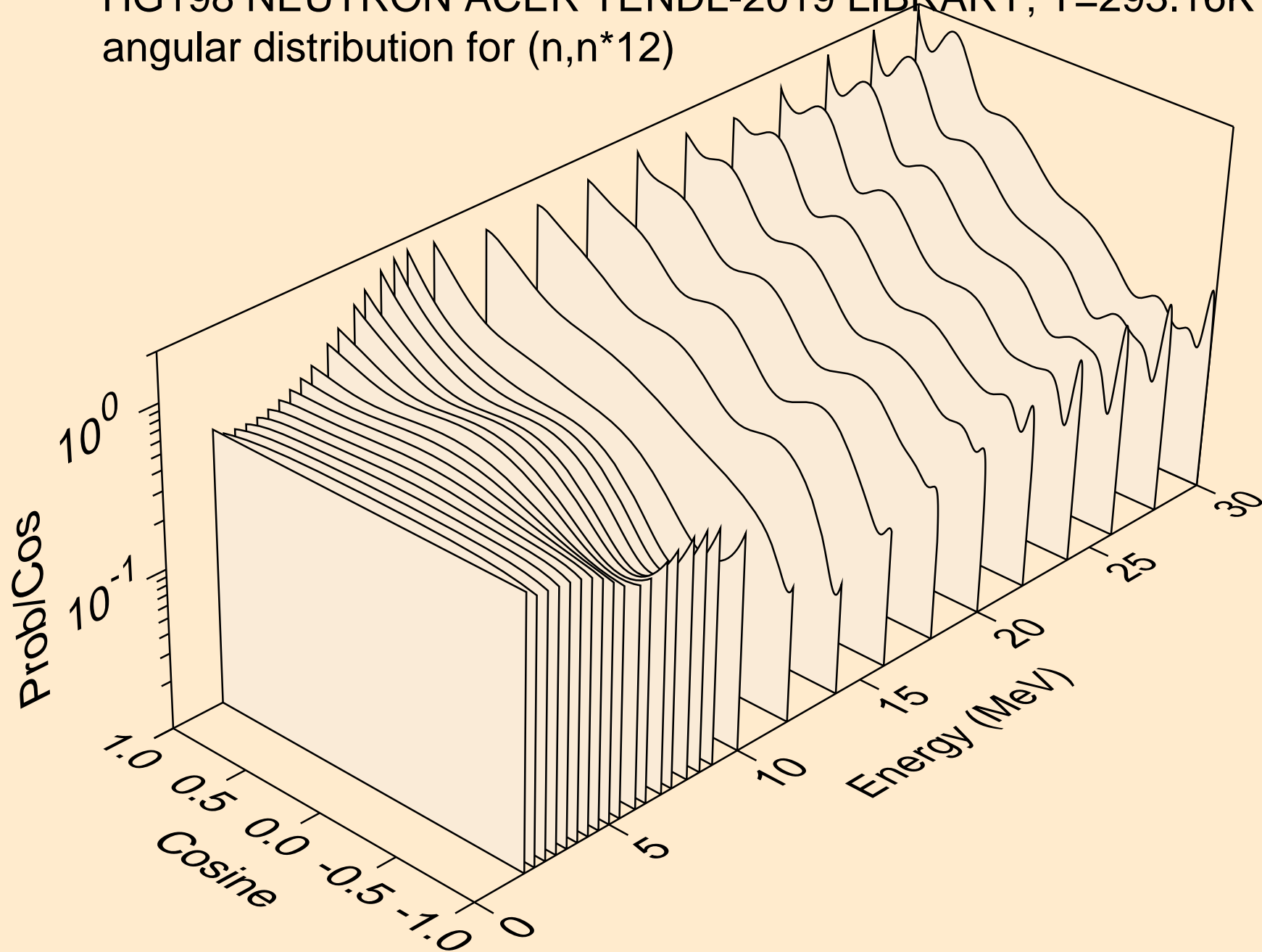
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angular distribution for (n,n\*10)



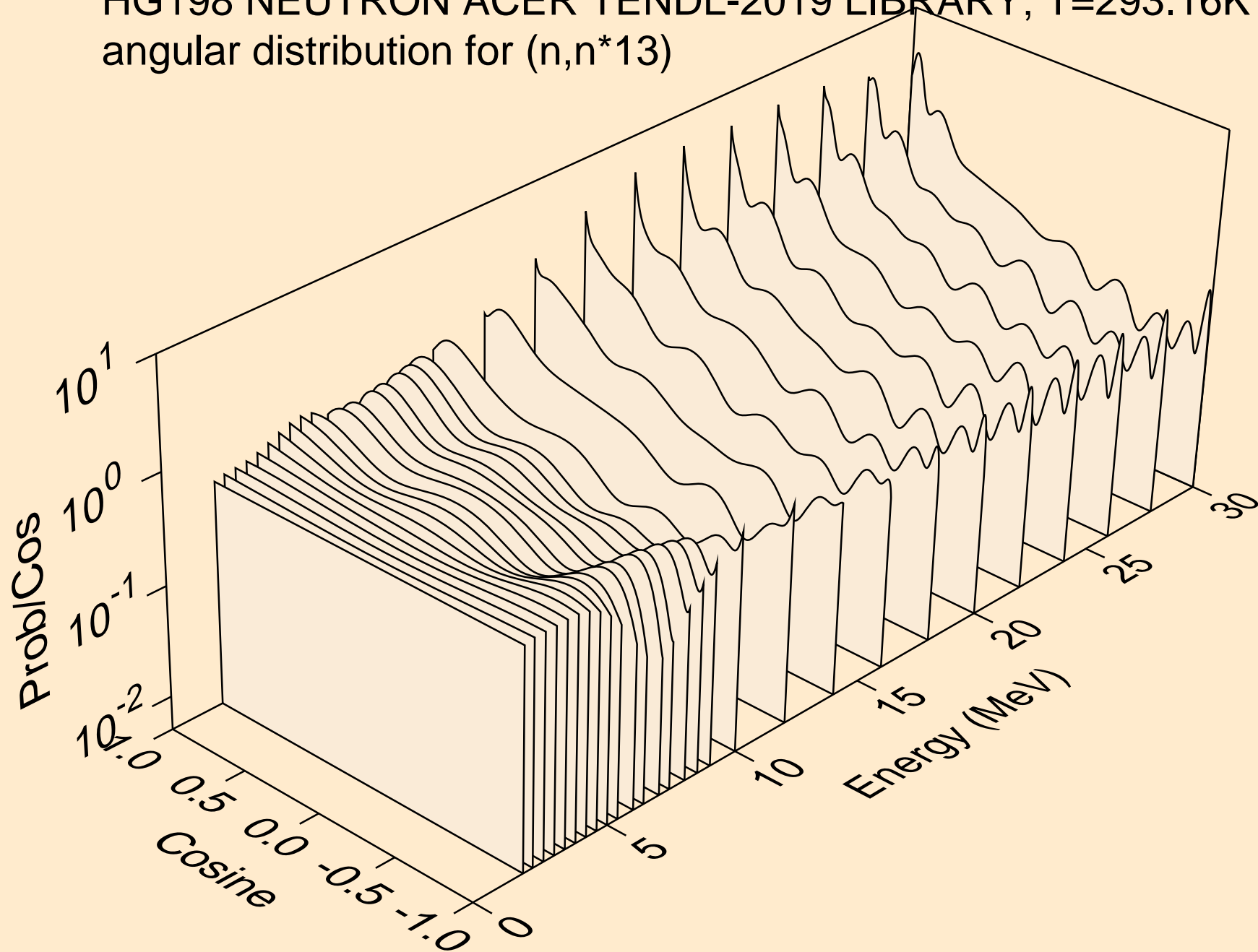
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angular distribution for (n,n\*11)



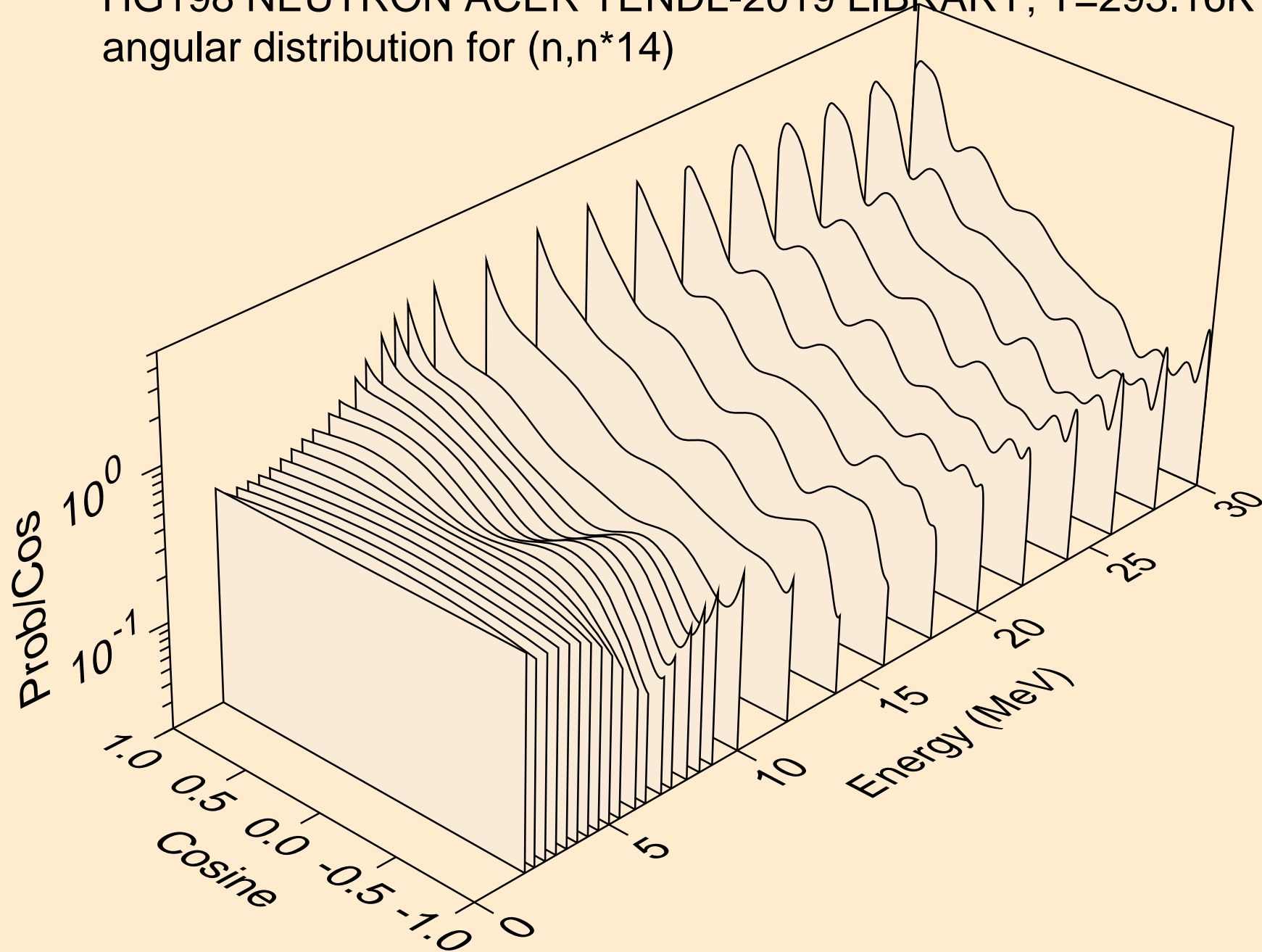
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angular distribution for (n,n\*12)



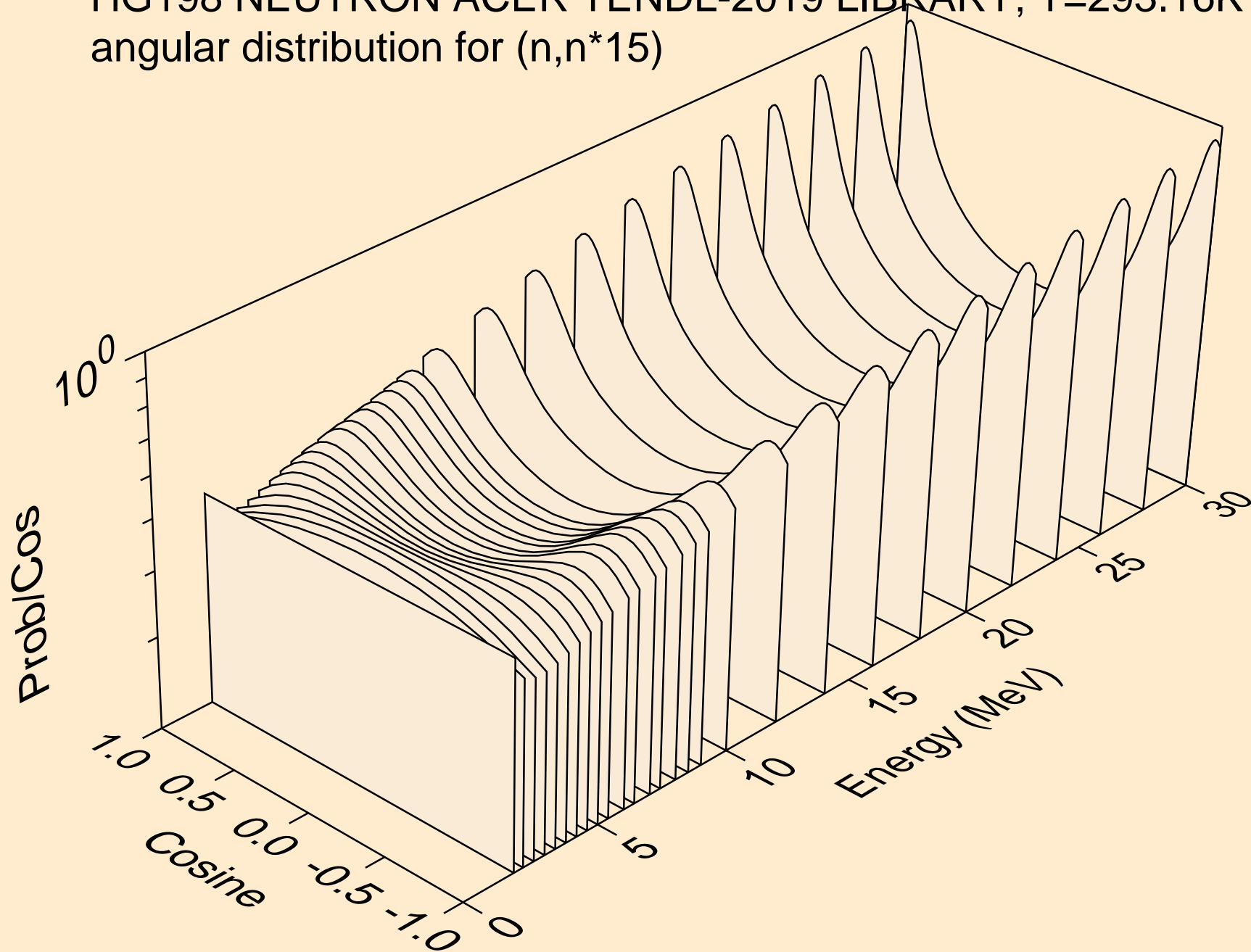
HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*13)



HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*14)

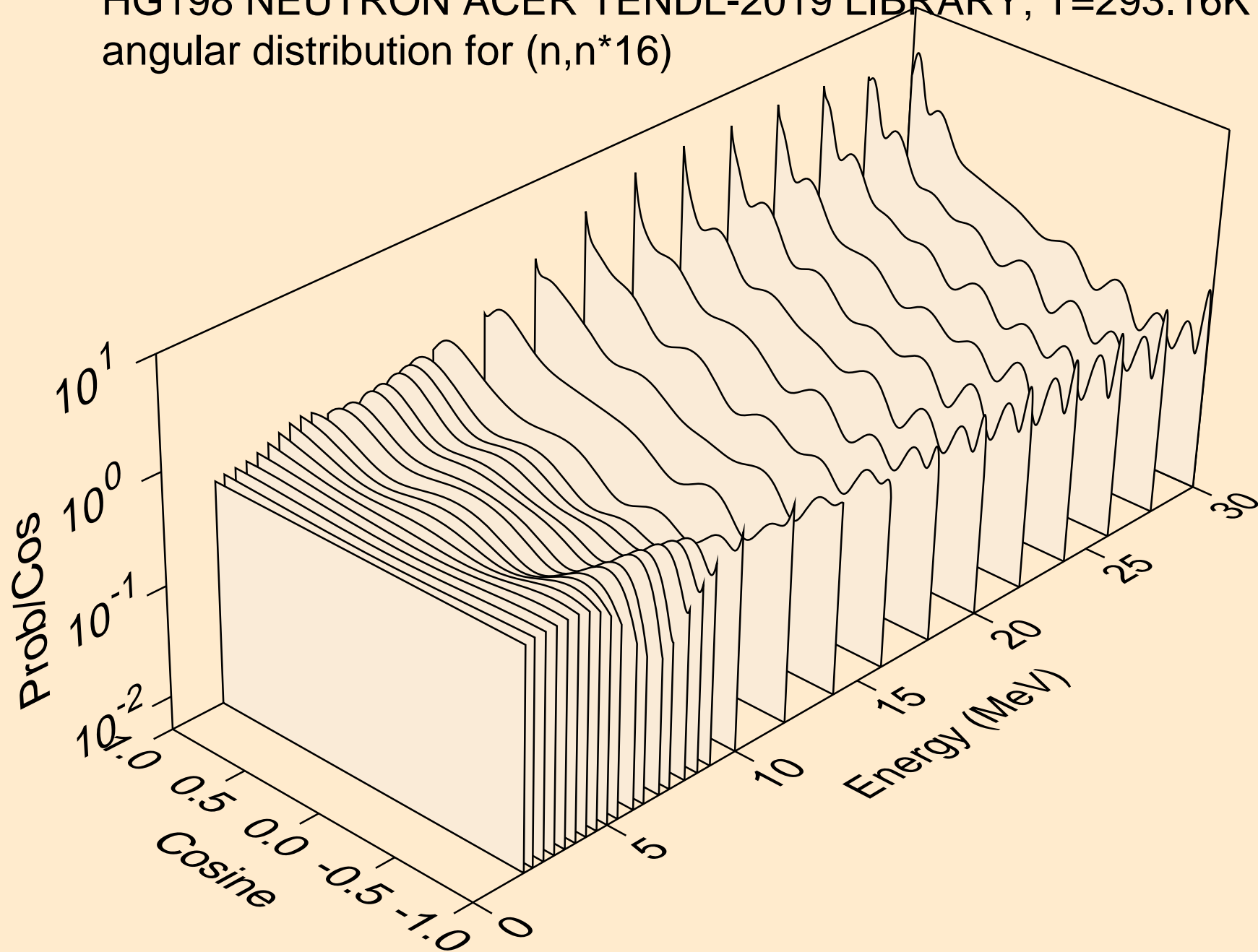


HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*15)

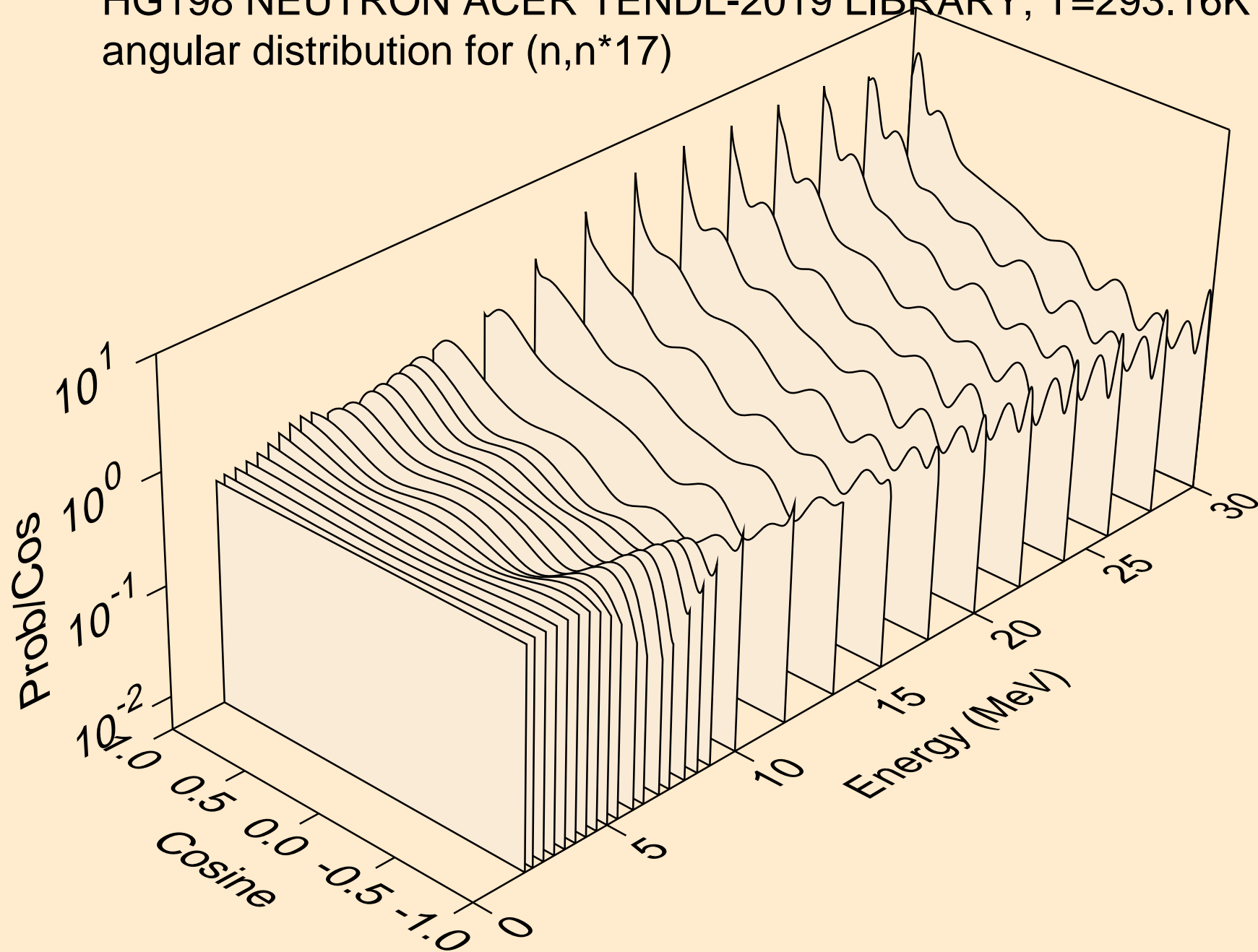




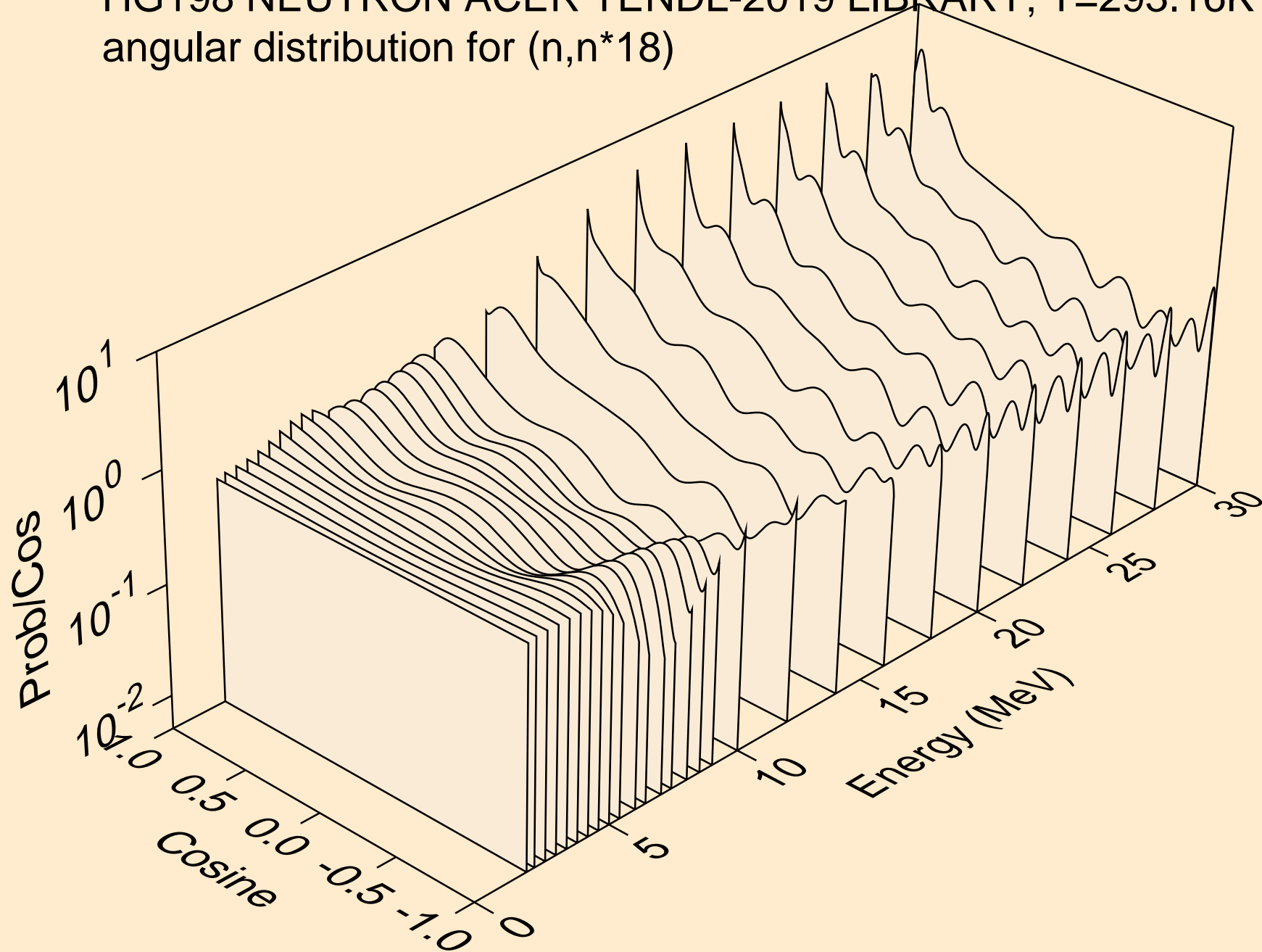
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angular distribution for (n,n\*16)



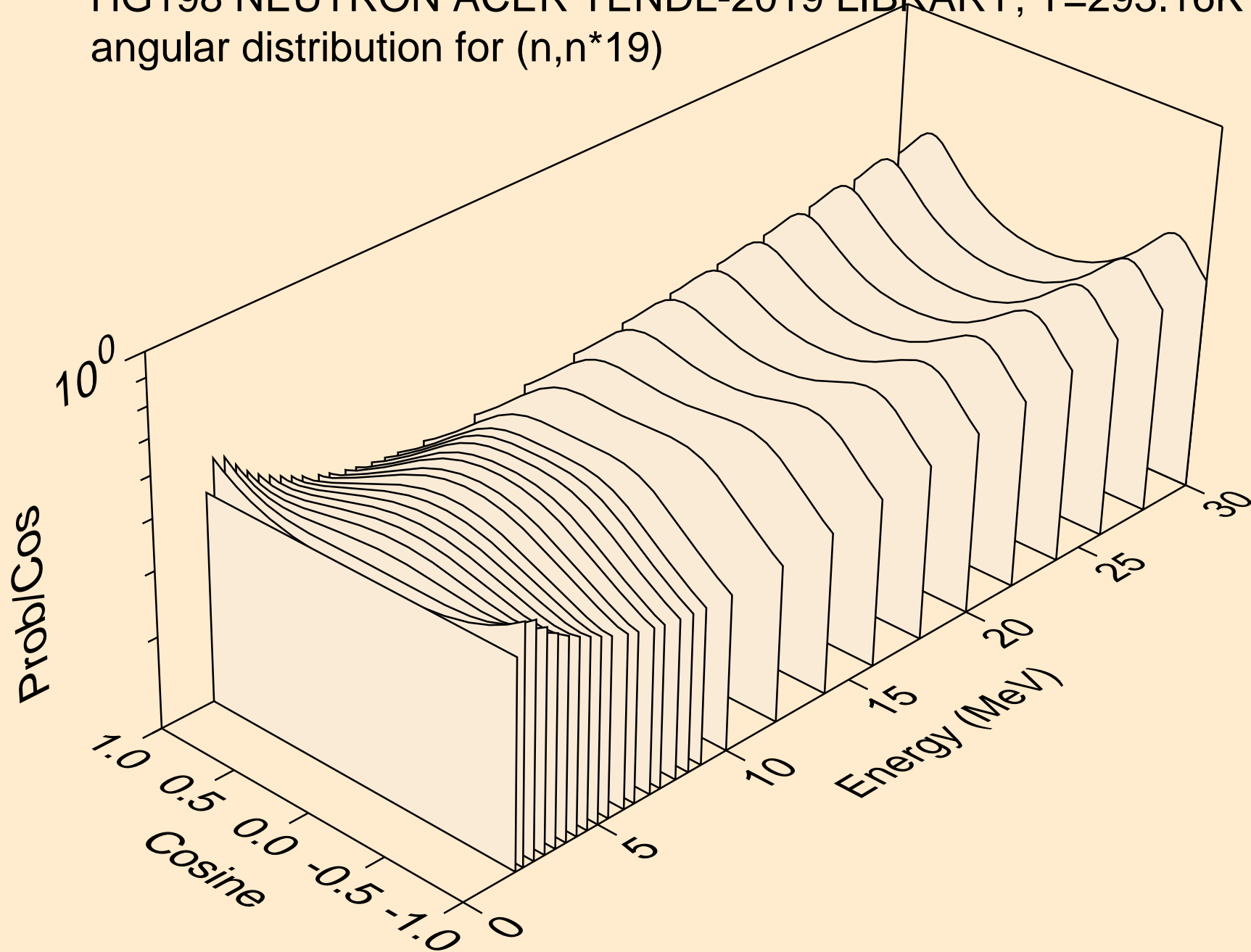
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angular distribution for (n,n\*17)



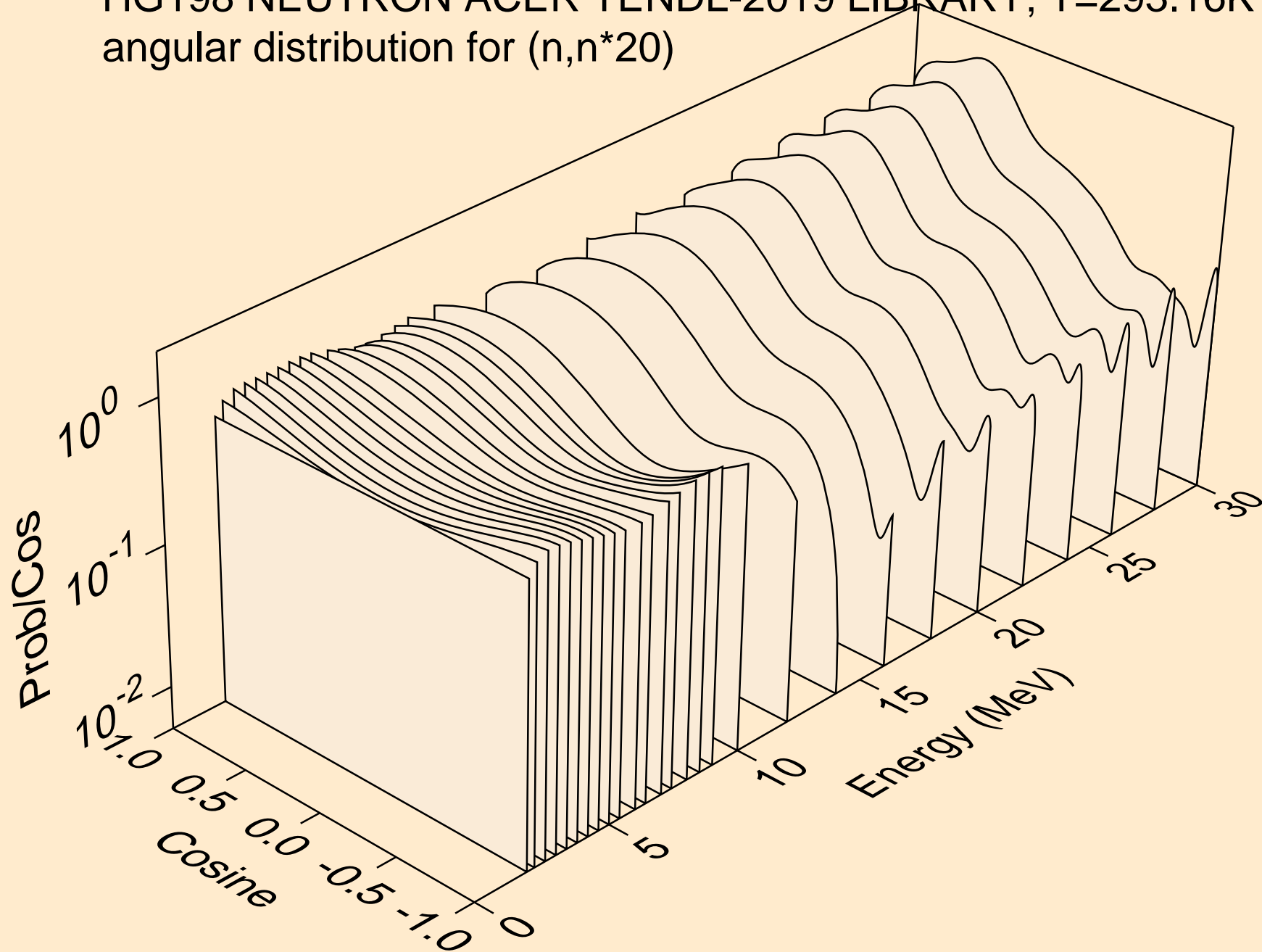
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angular distribution for (n,n\*18)



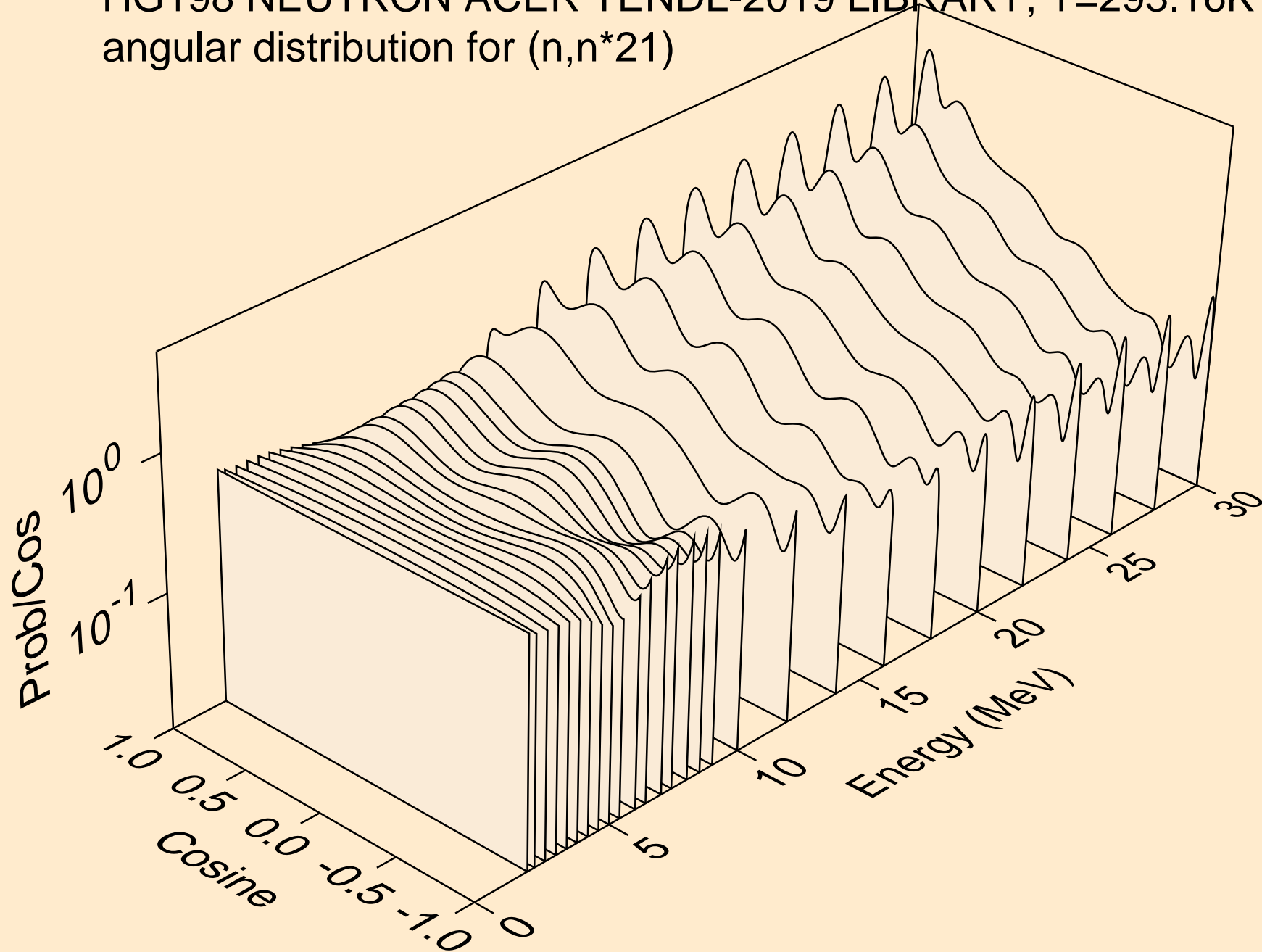
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angular distribution for (n,n\*19)



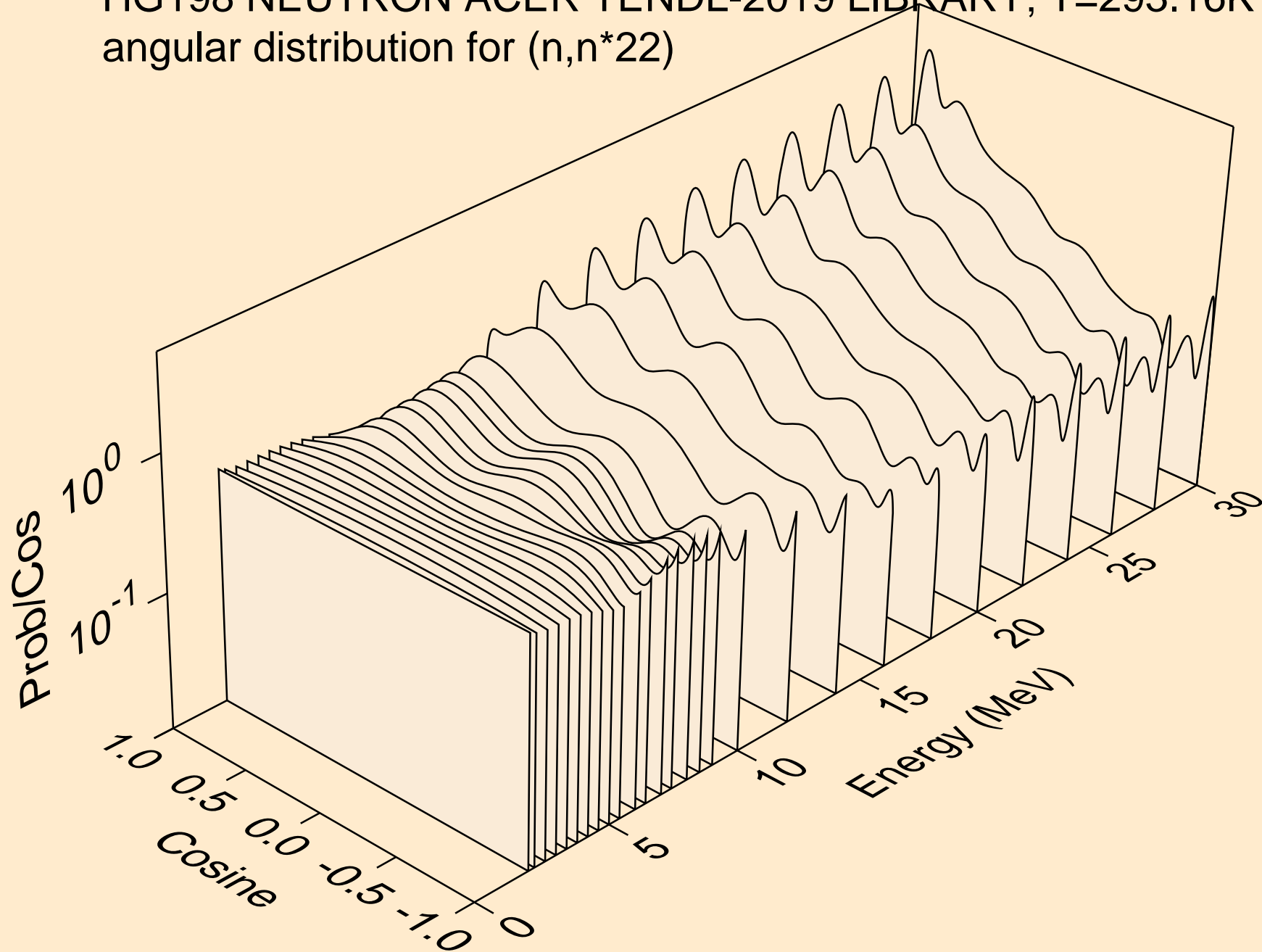
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angular distribution for (n,n\*20)



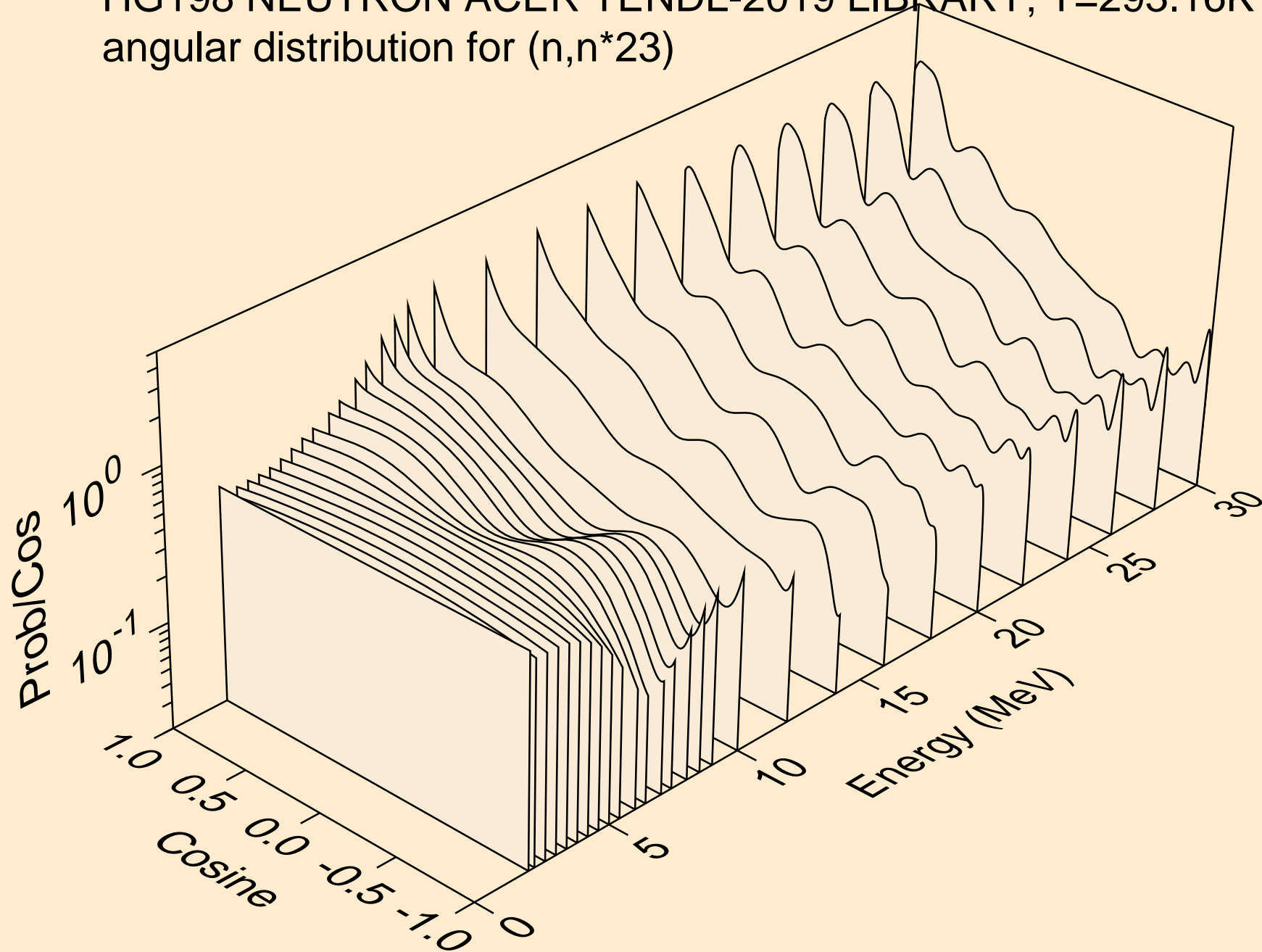
HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*21)



HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*22)

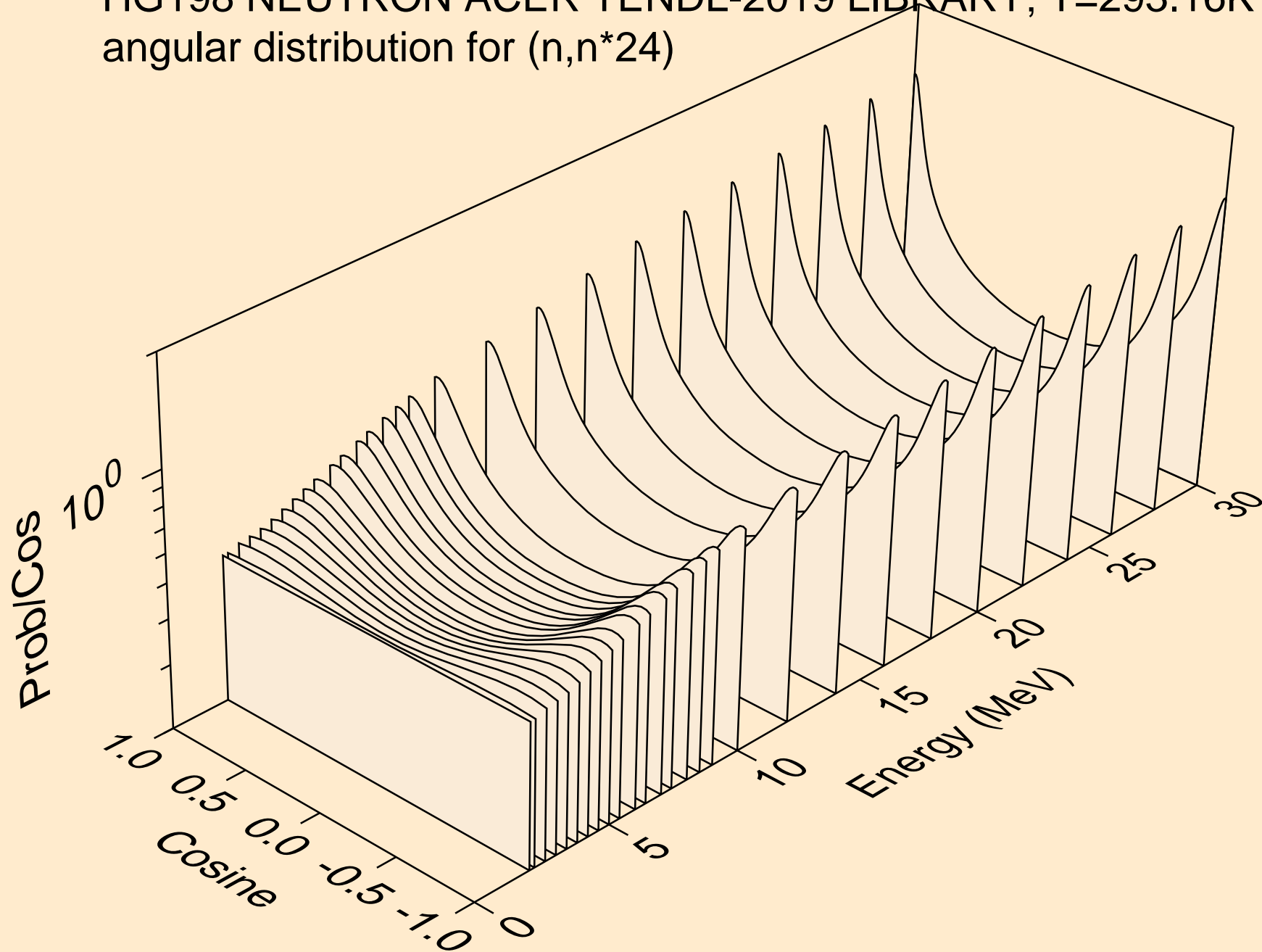


HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*23)

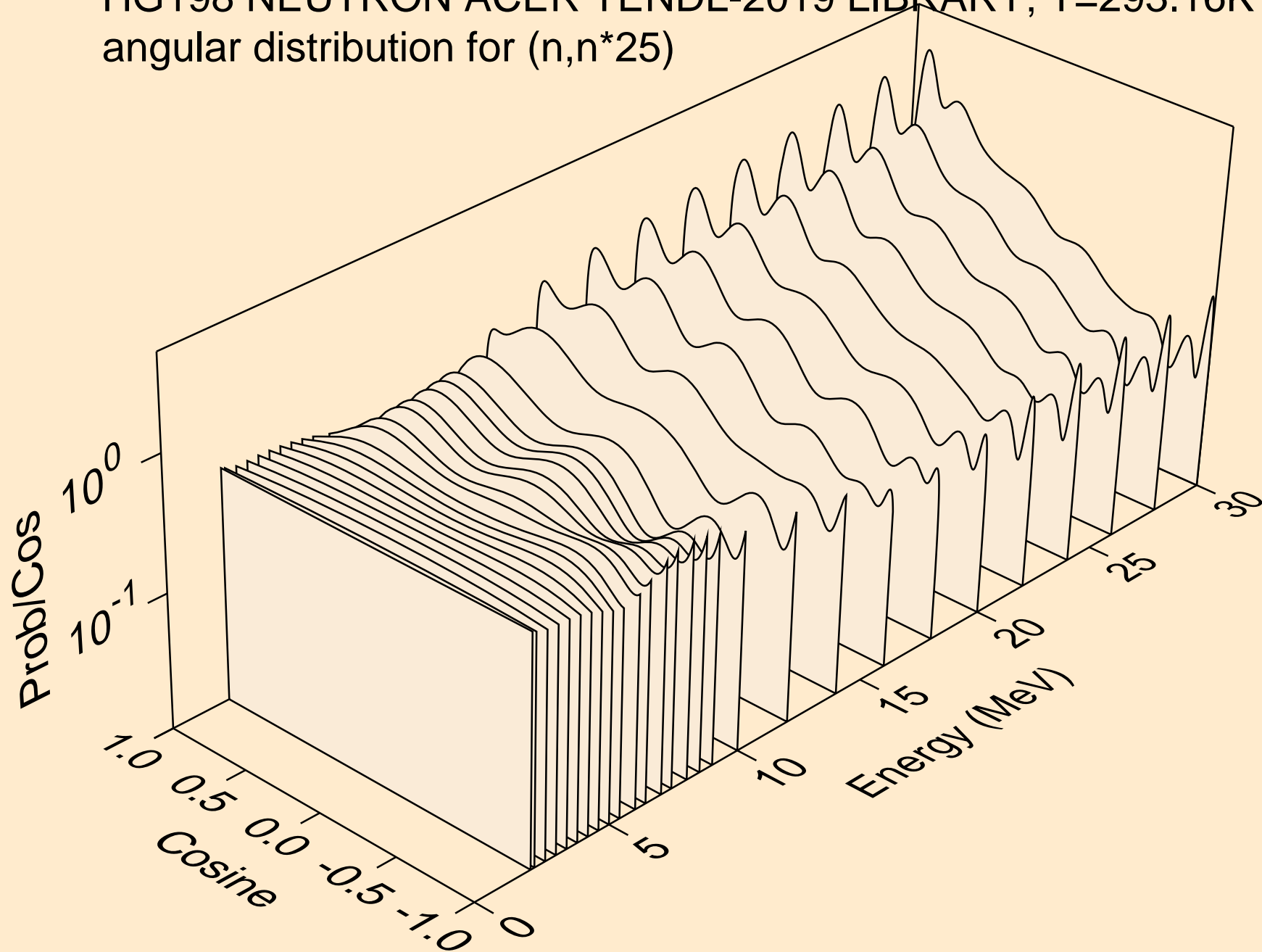




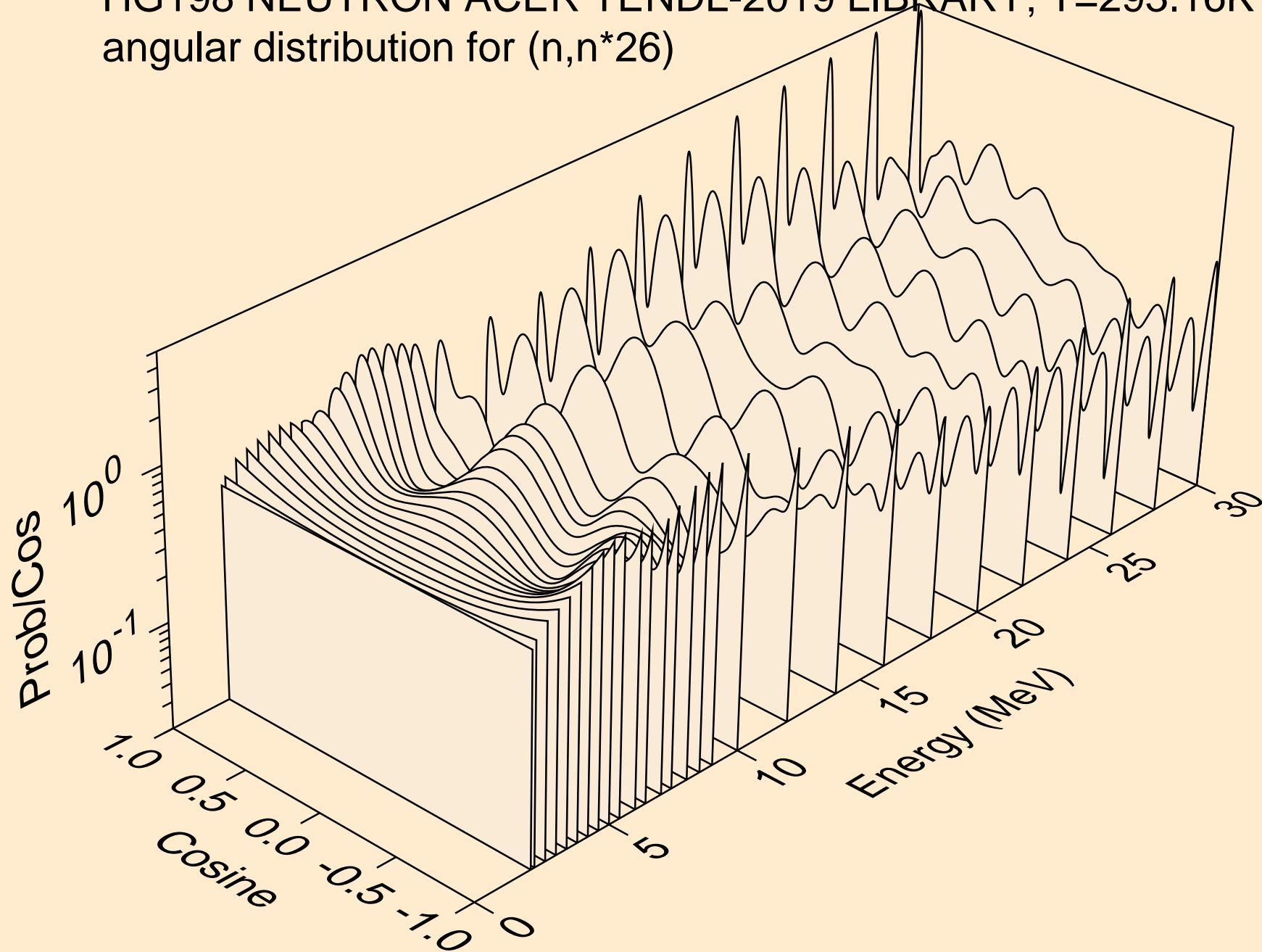
HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*24)



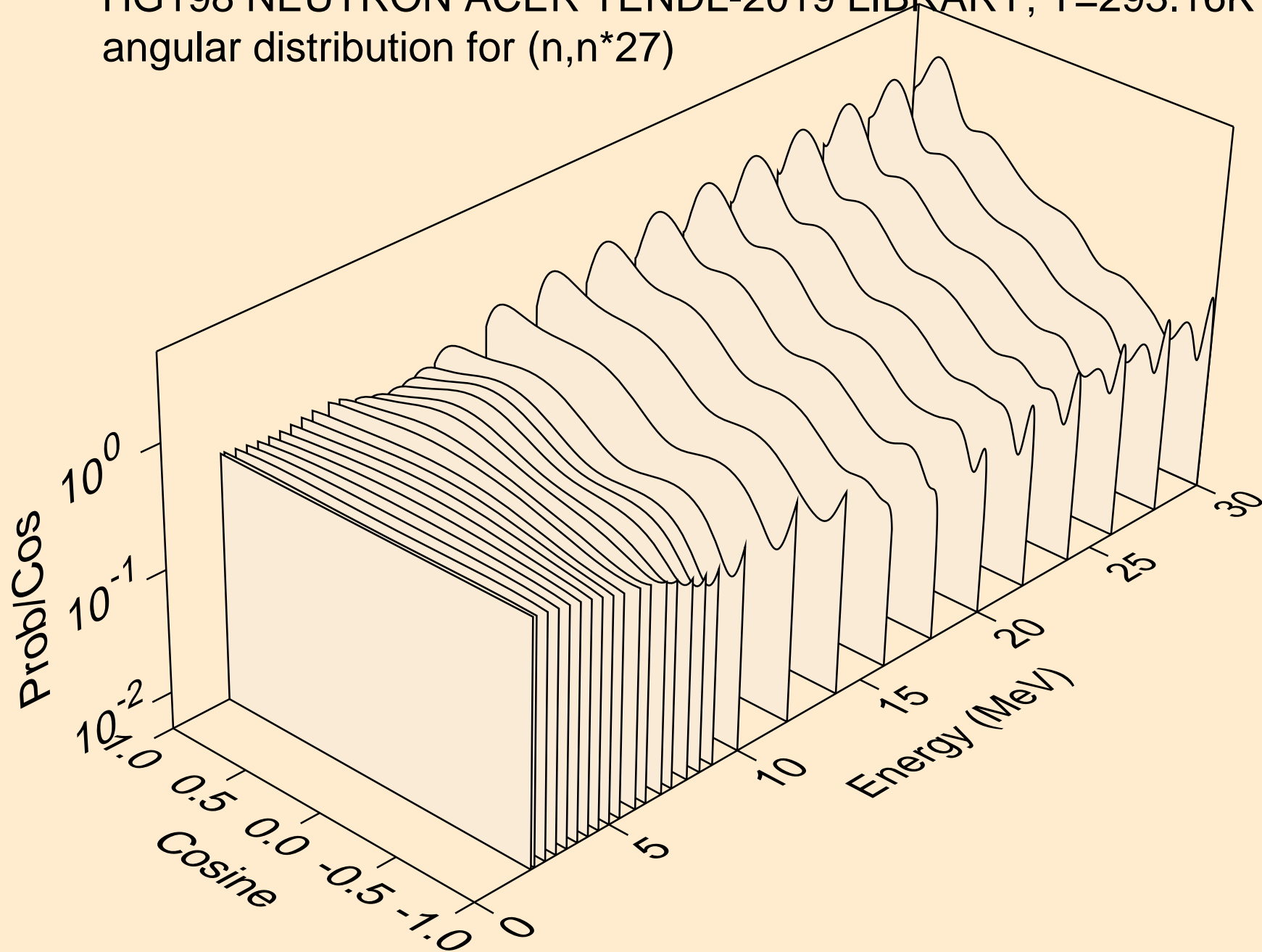
HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*25)



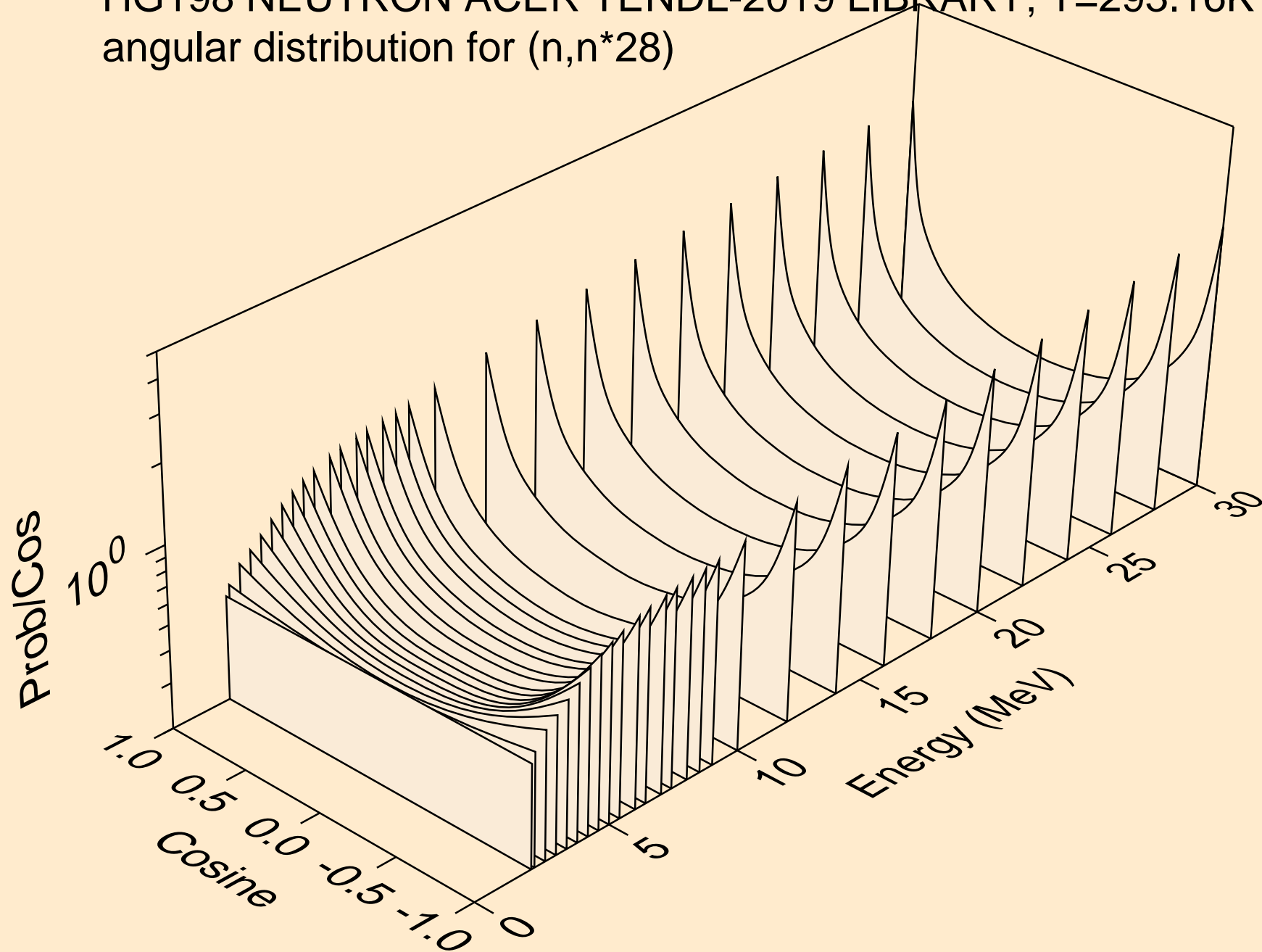
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angular distribution for (n,n\*26)



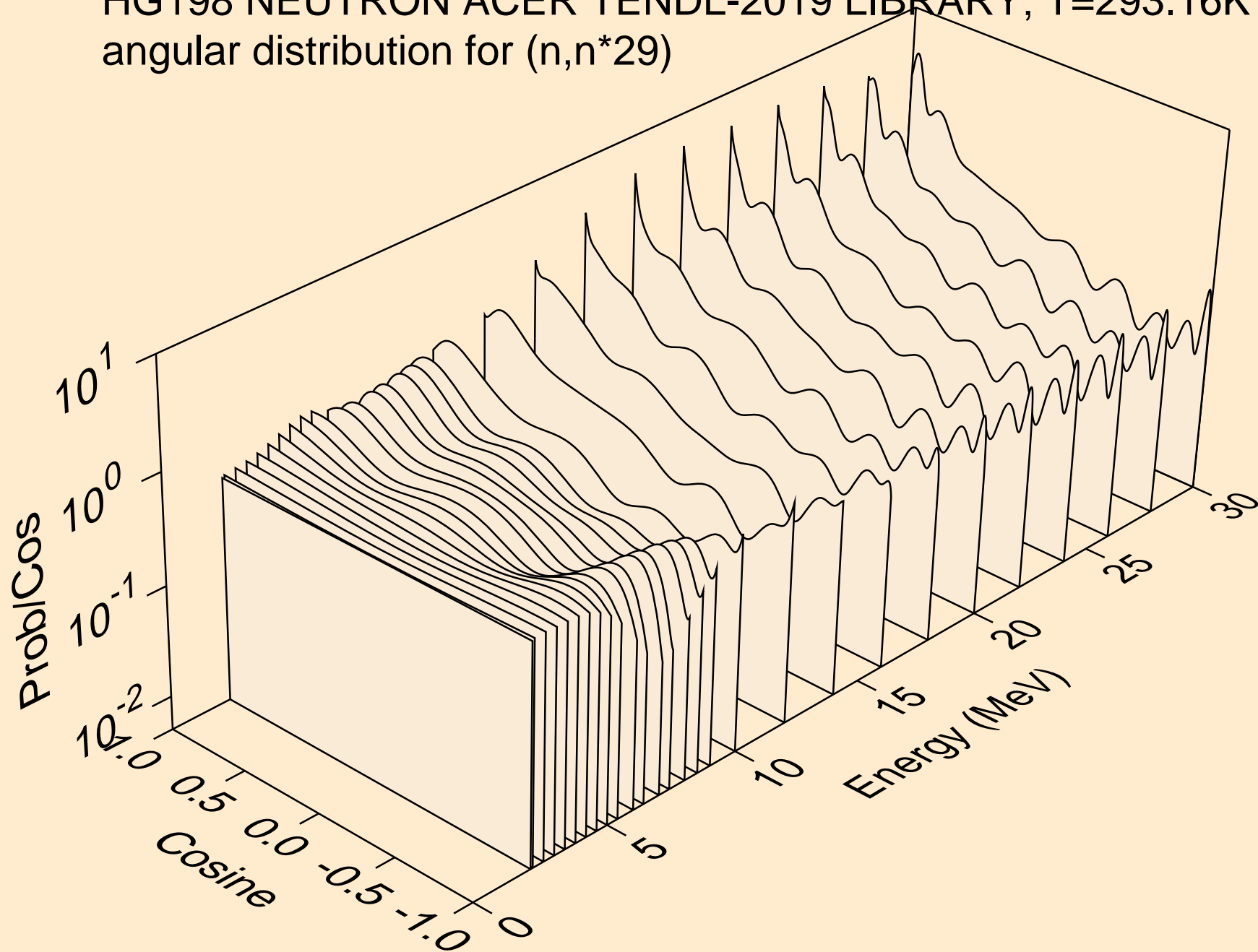
HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*27)



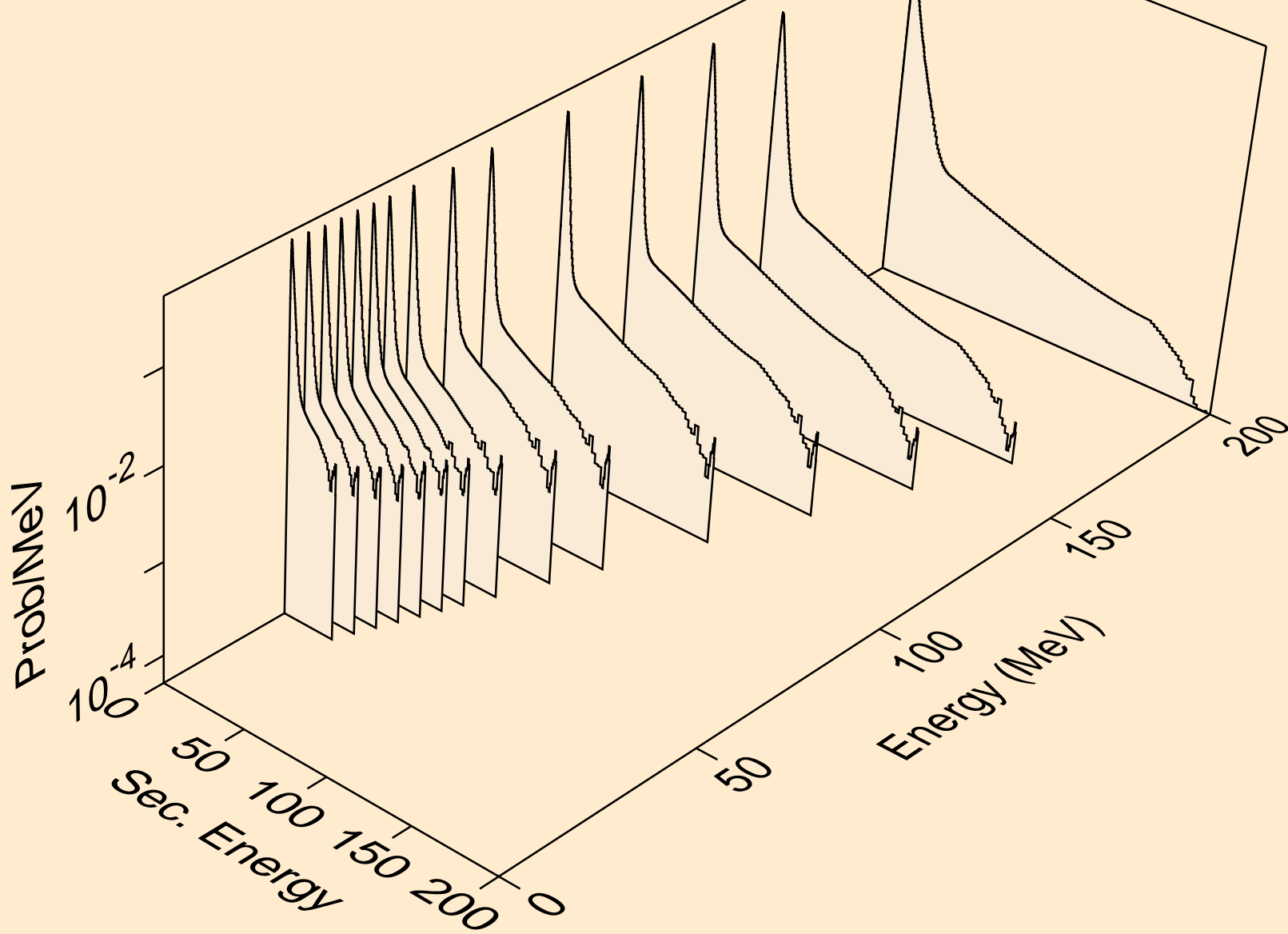
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angular distribution for (n,n\*28)



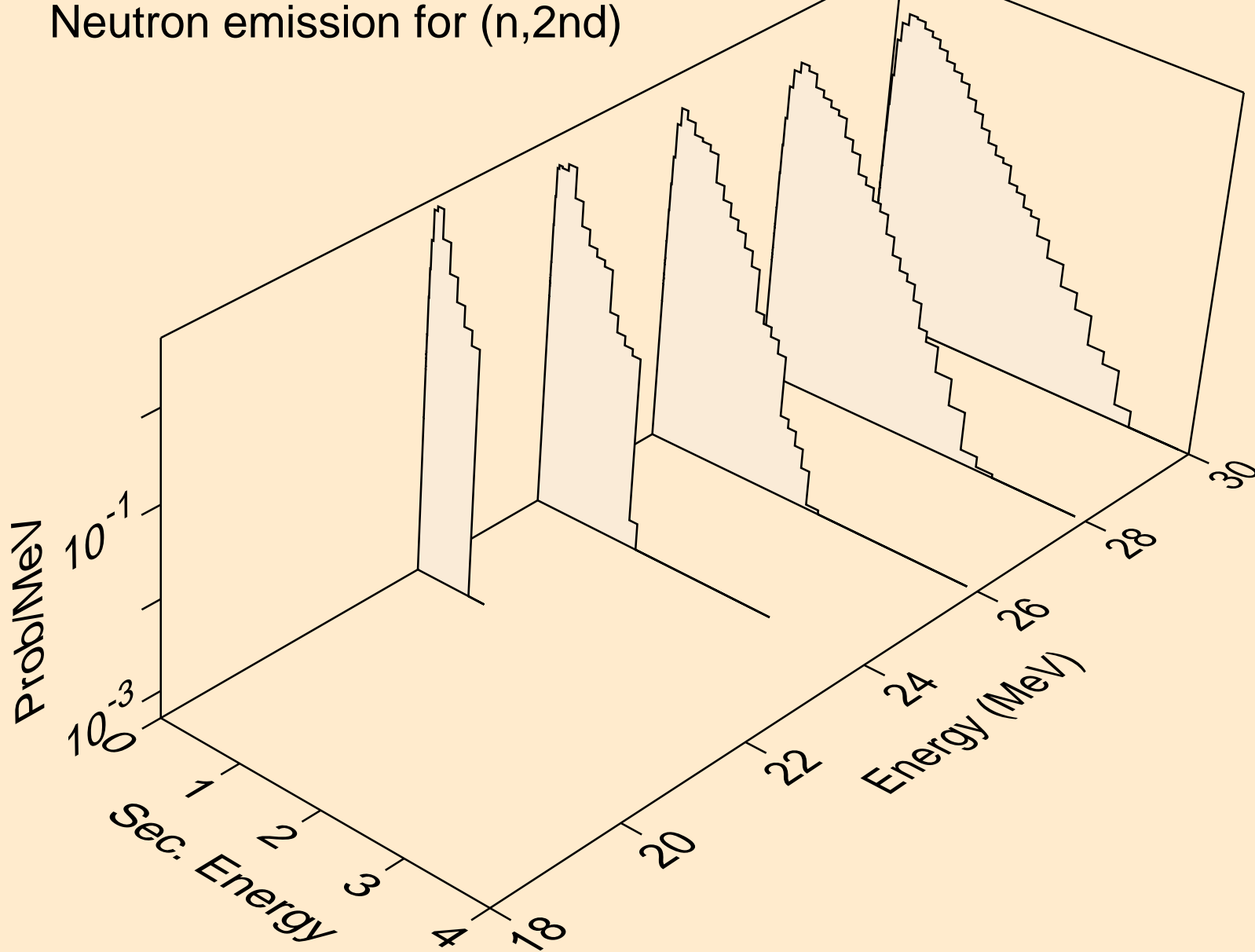
HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*29)



HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,x)

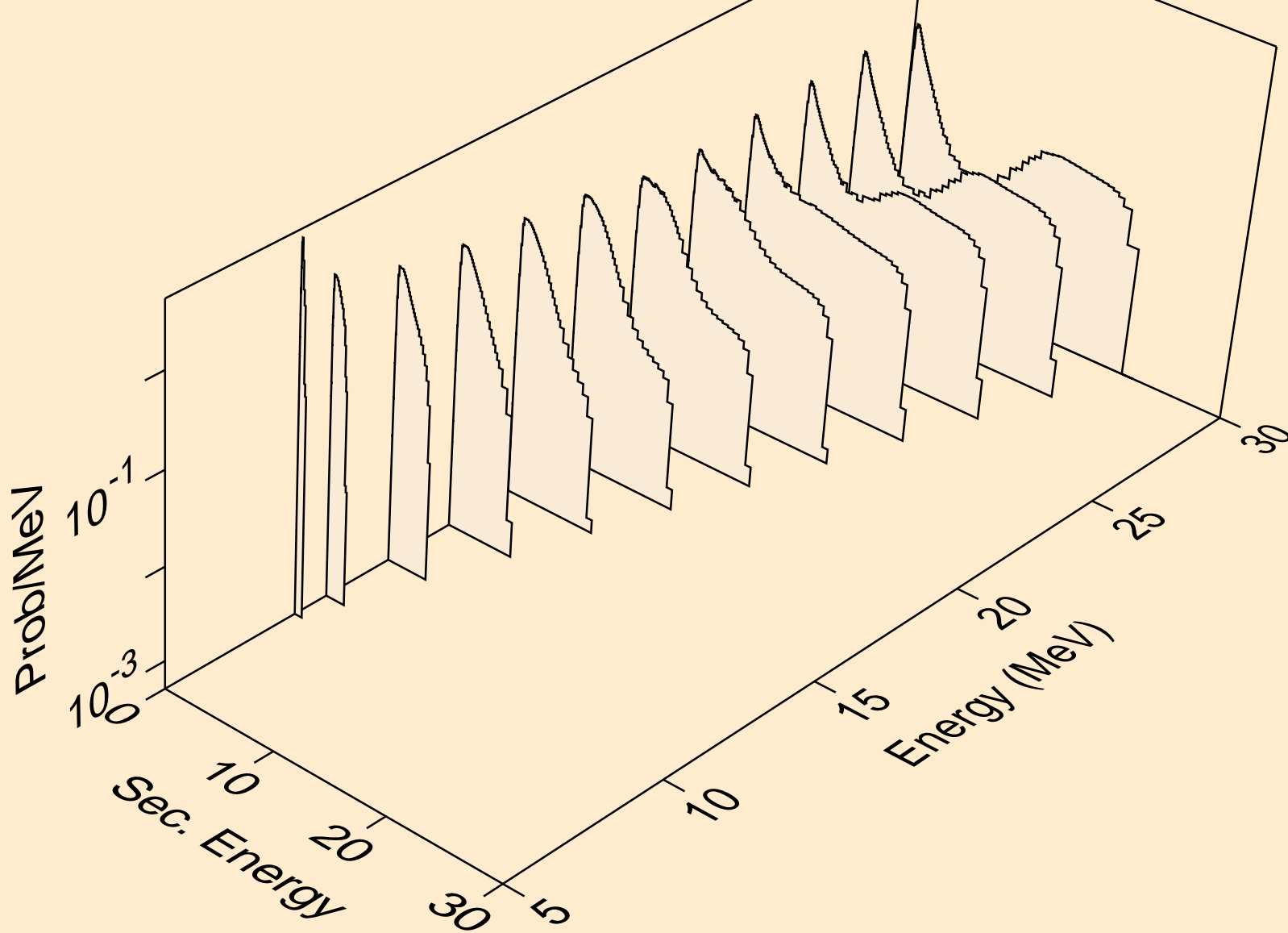


HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2nd)

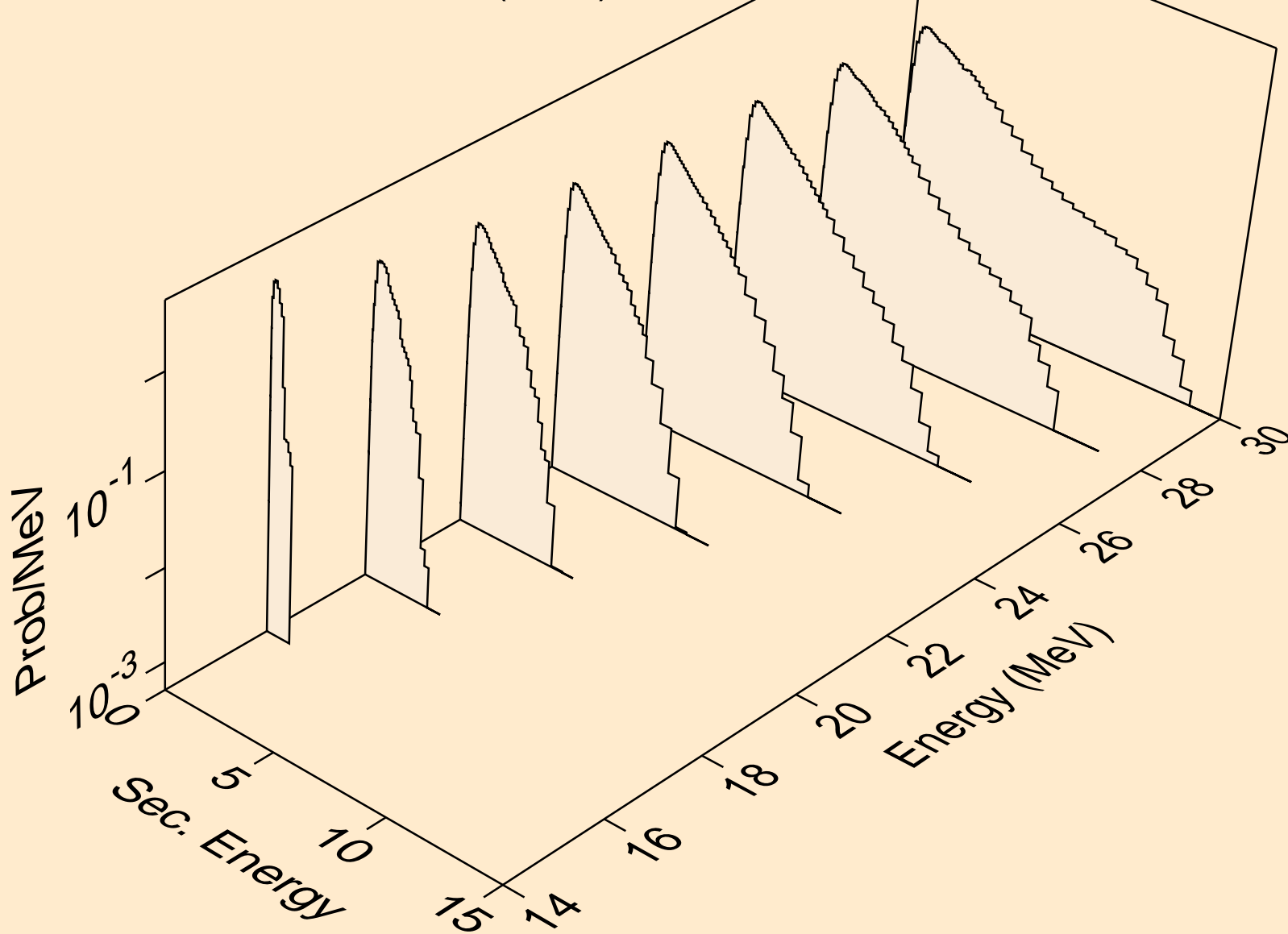




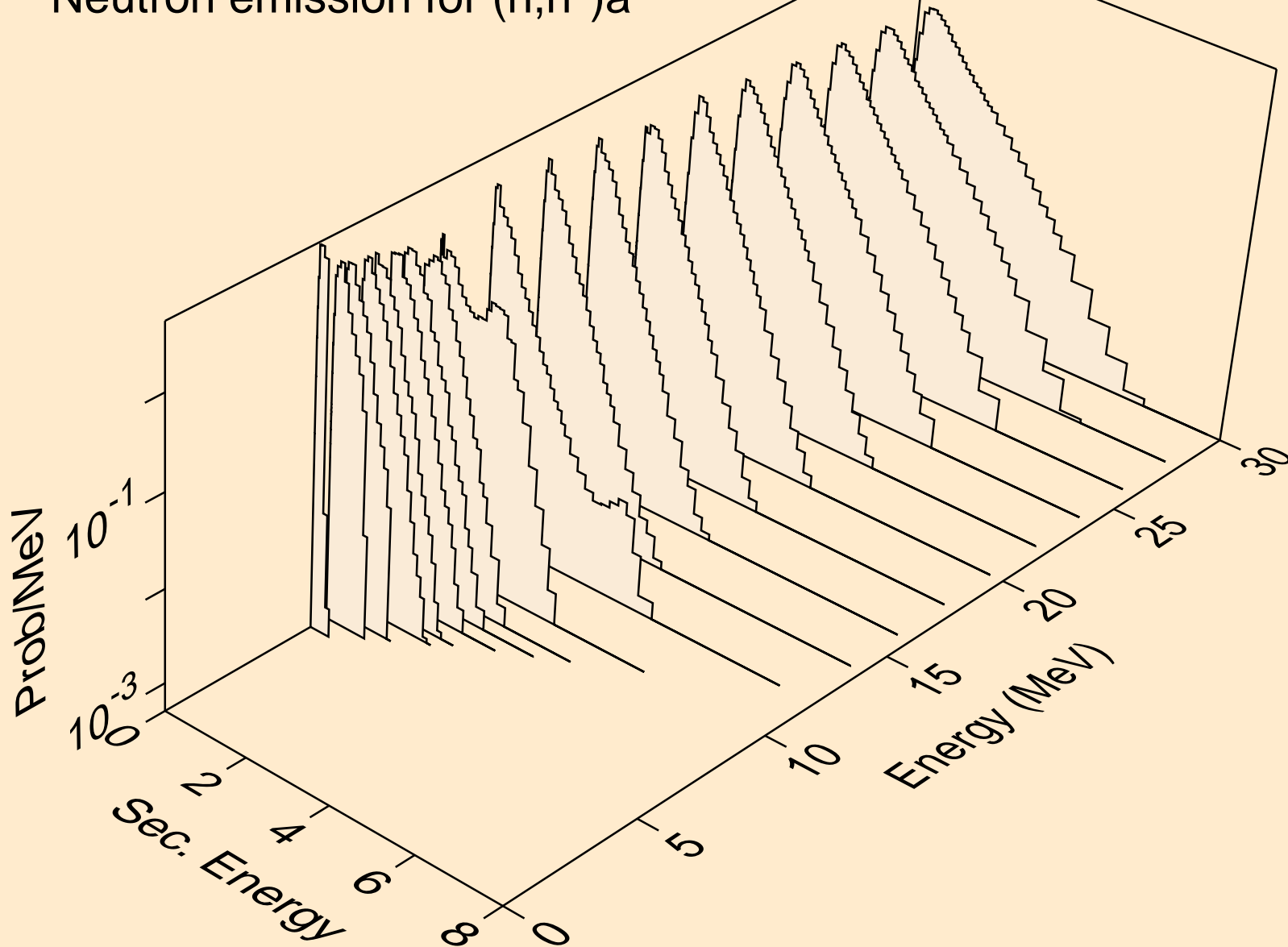
HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)



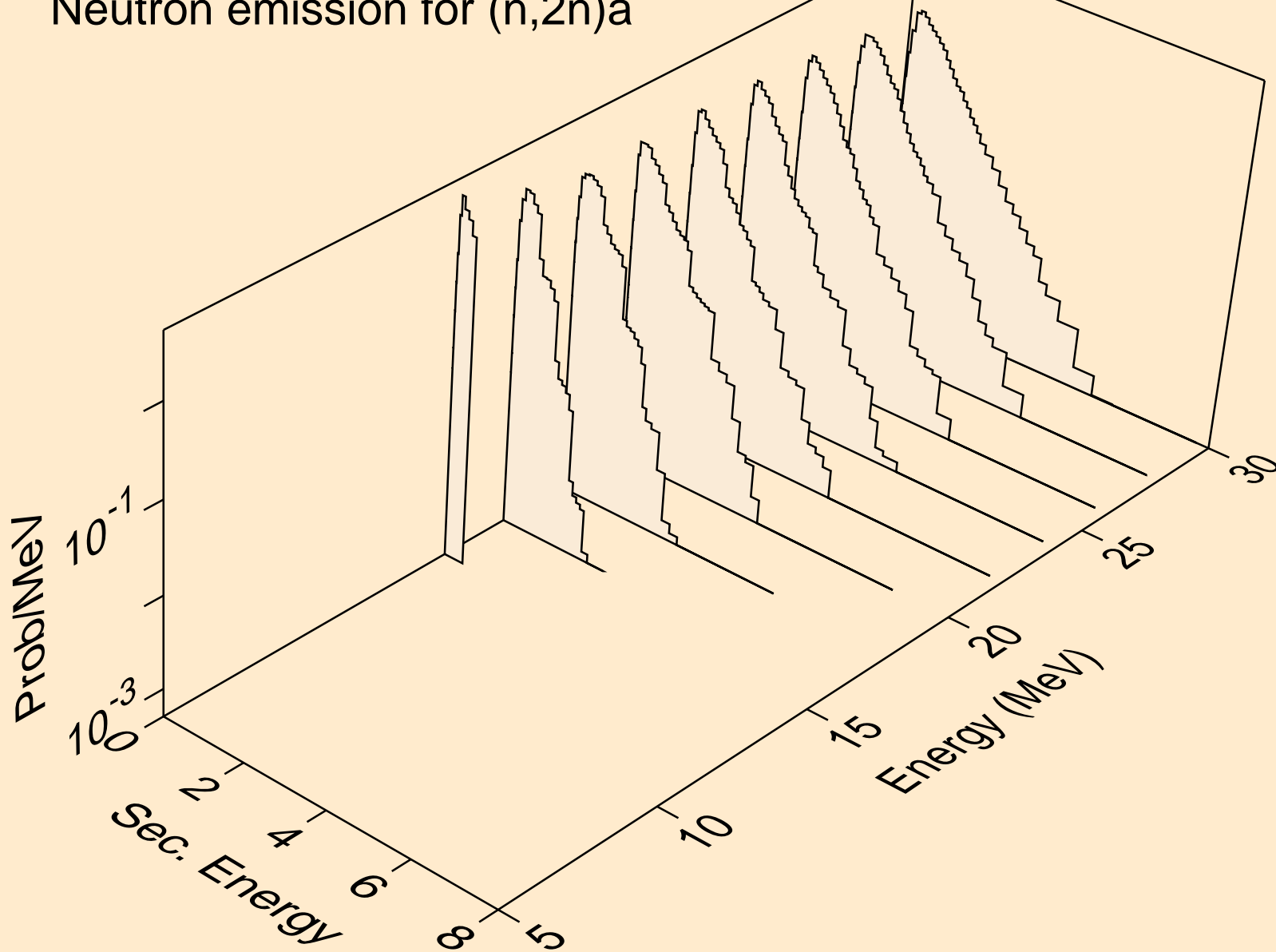
HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)



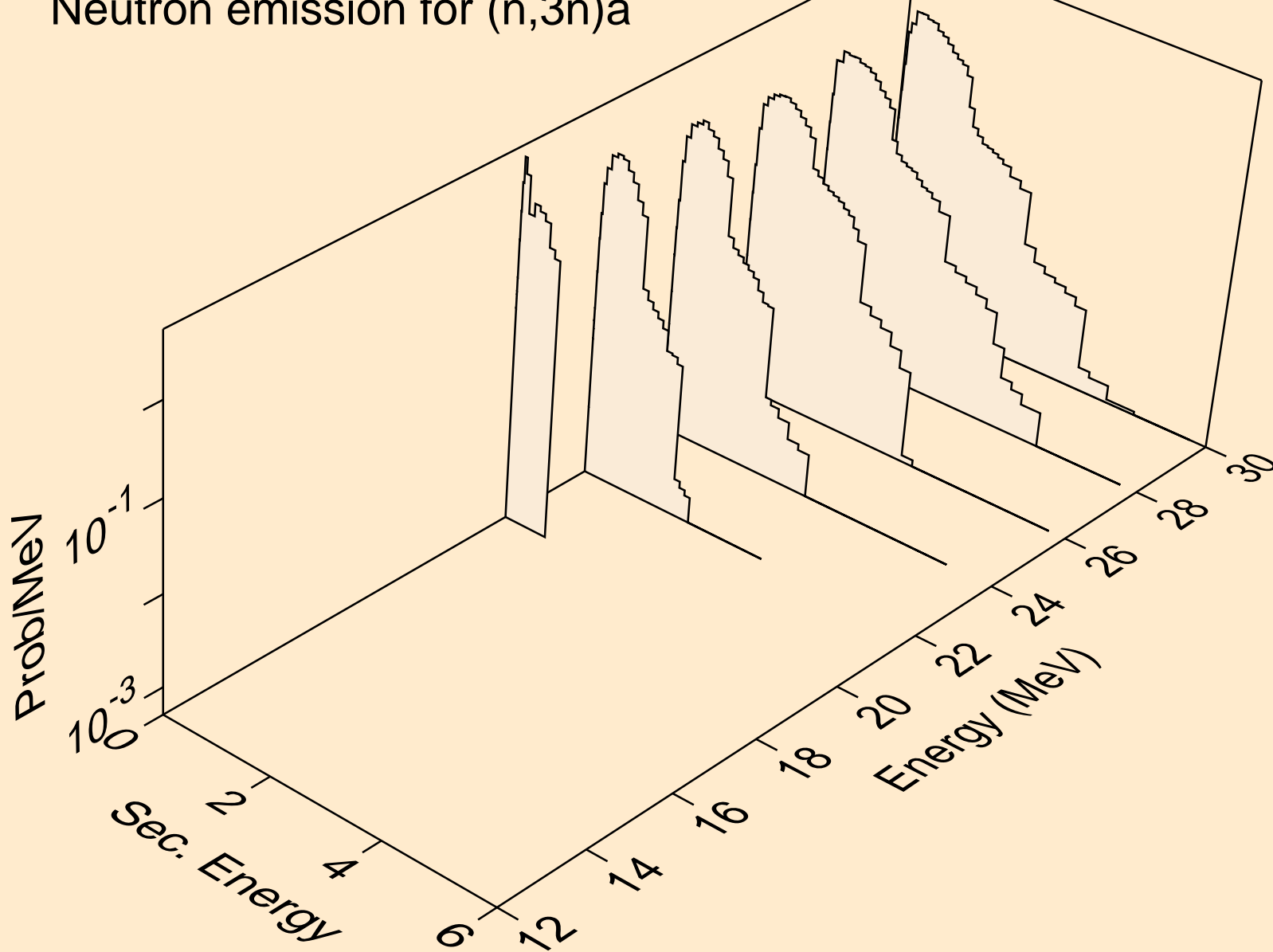
HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)a



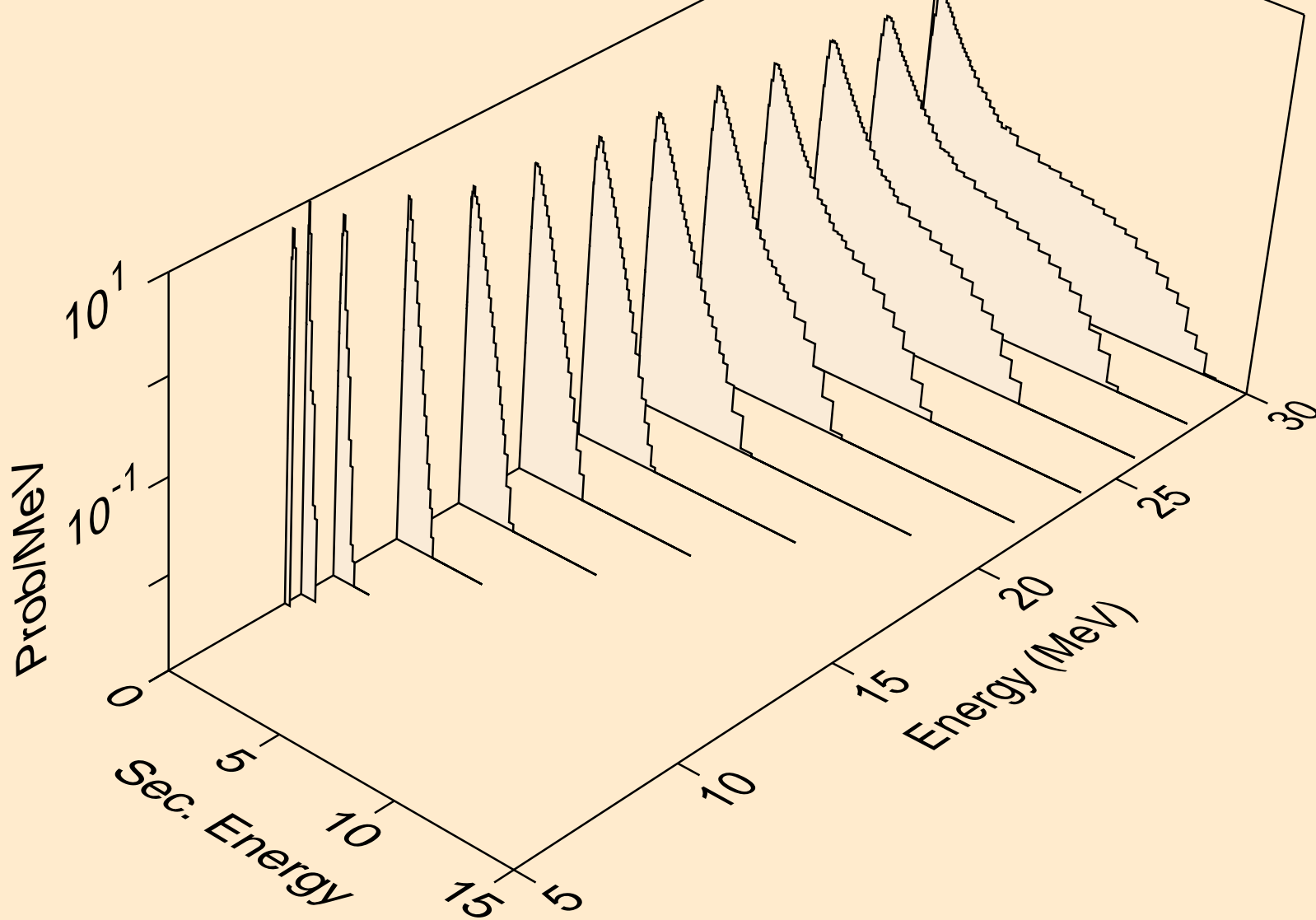
HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)a



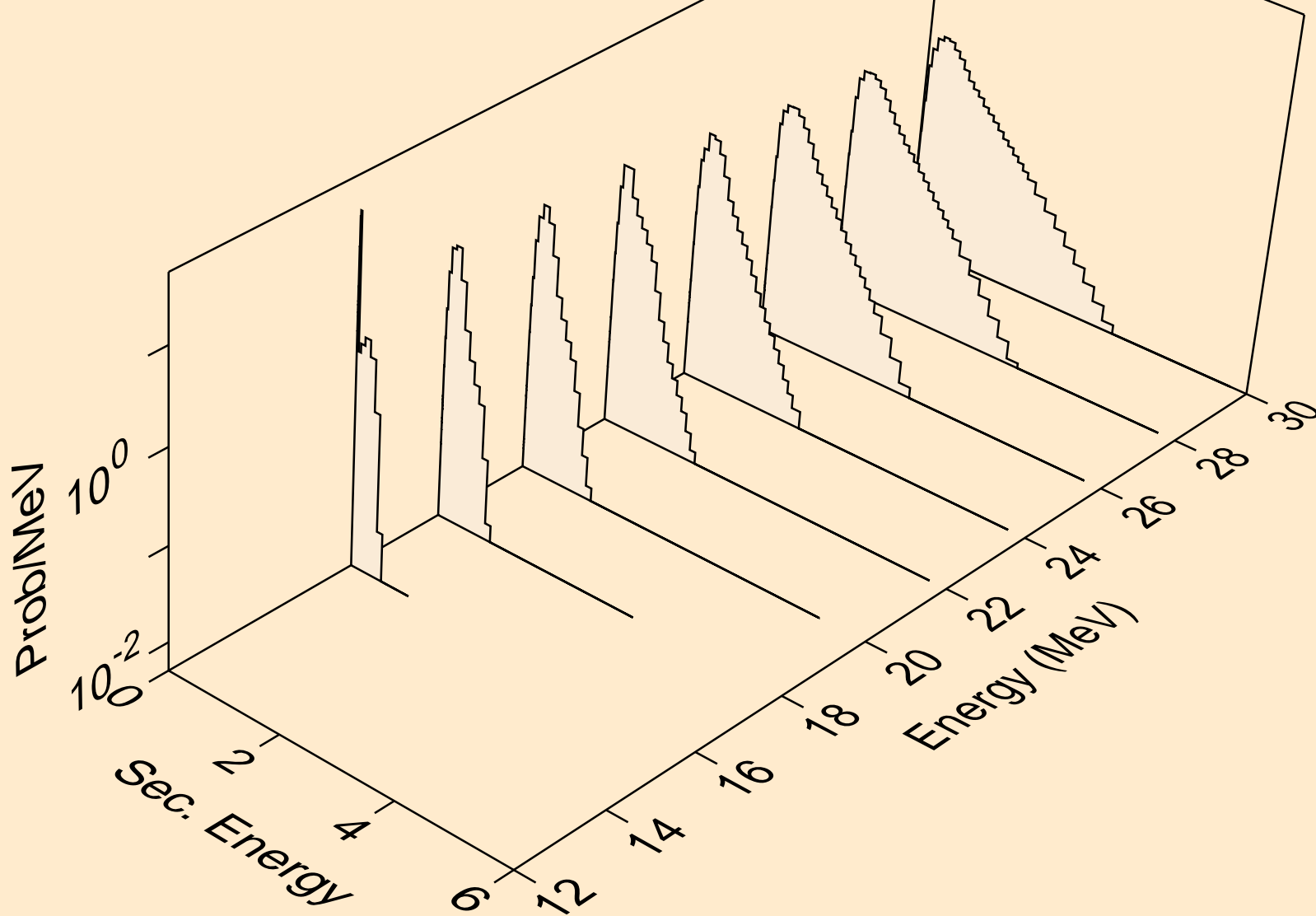
HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)a



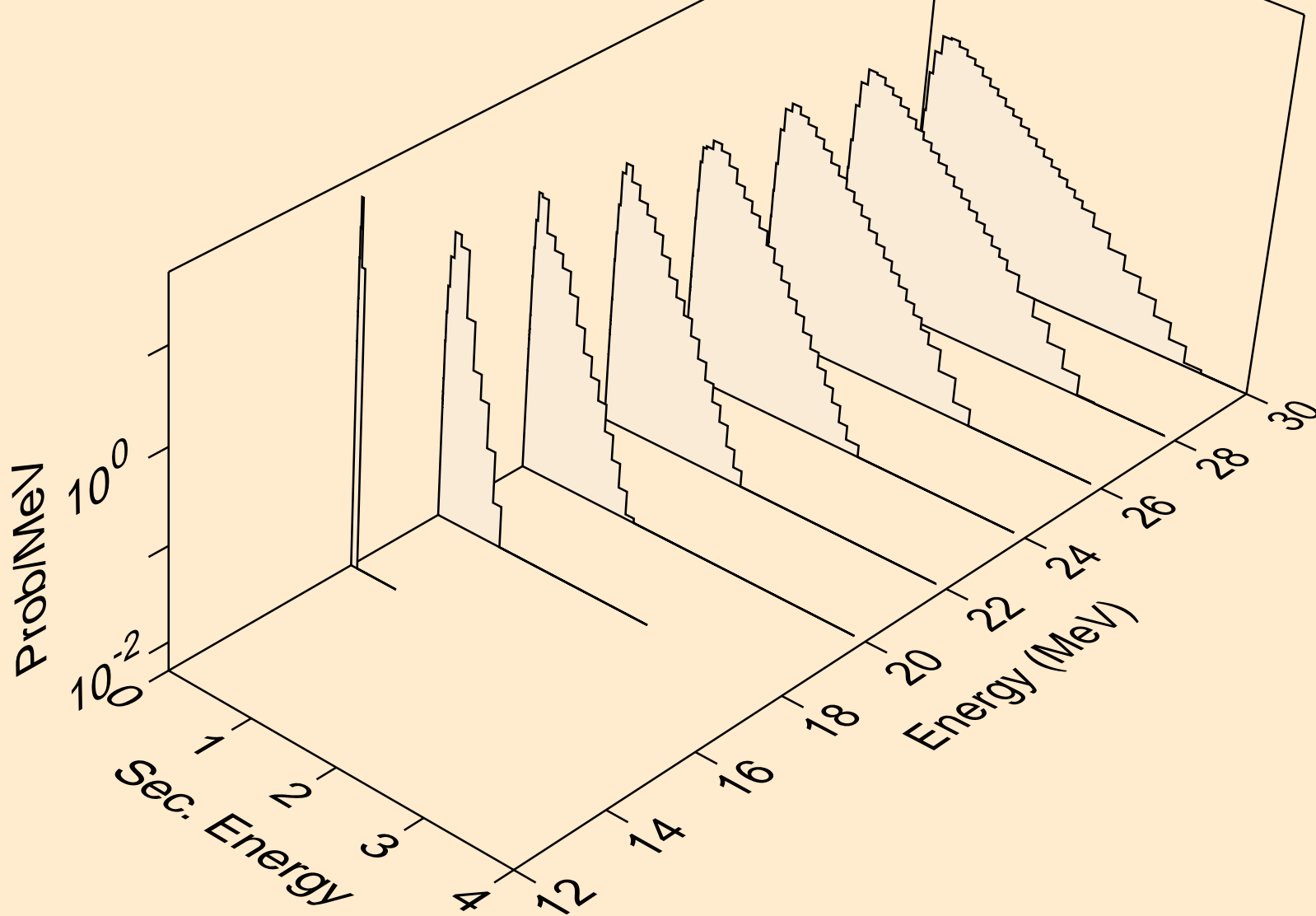
HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)p



HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)d

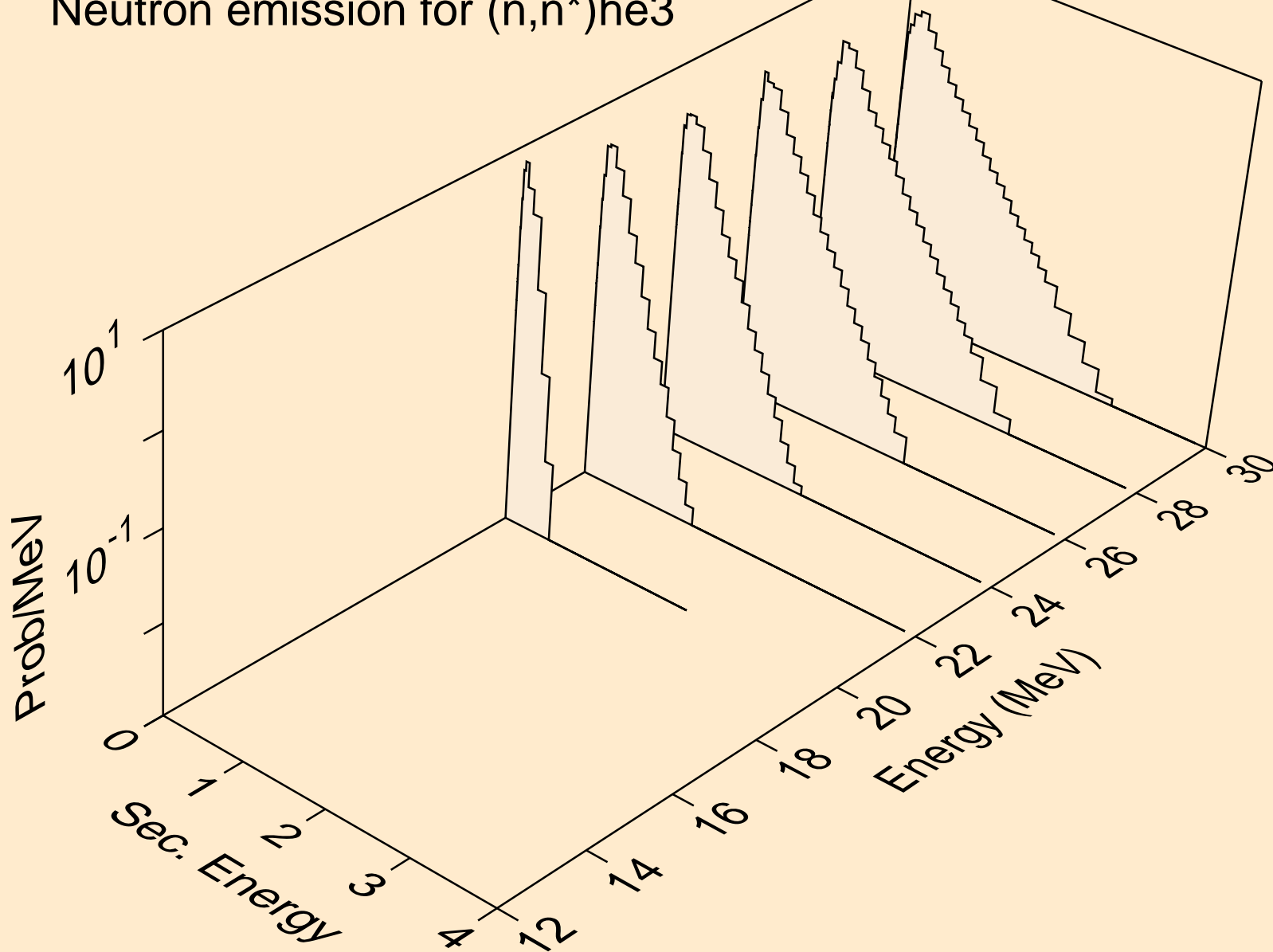


HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)t

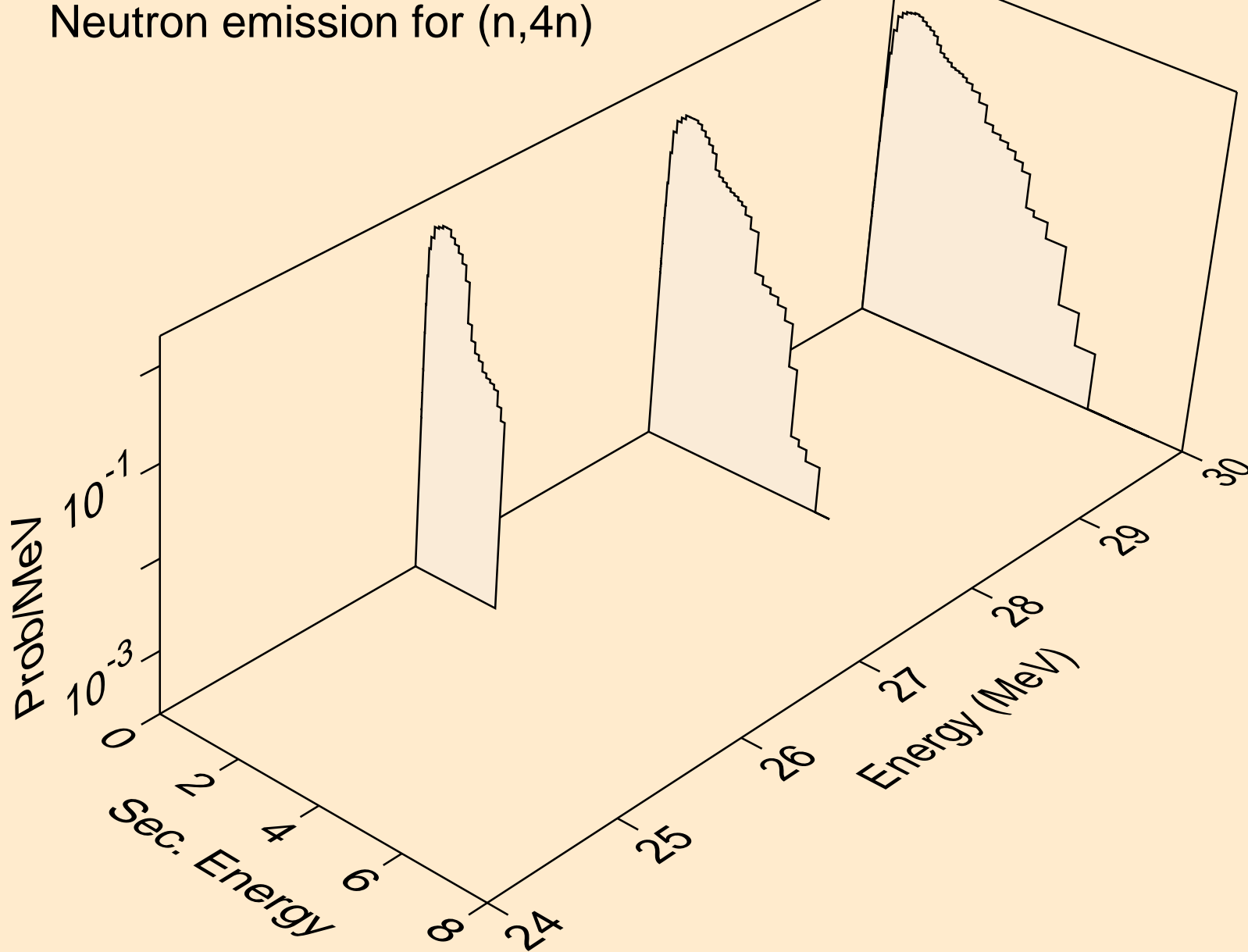




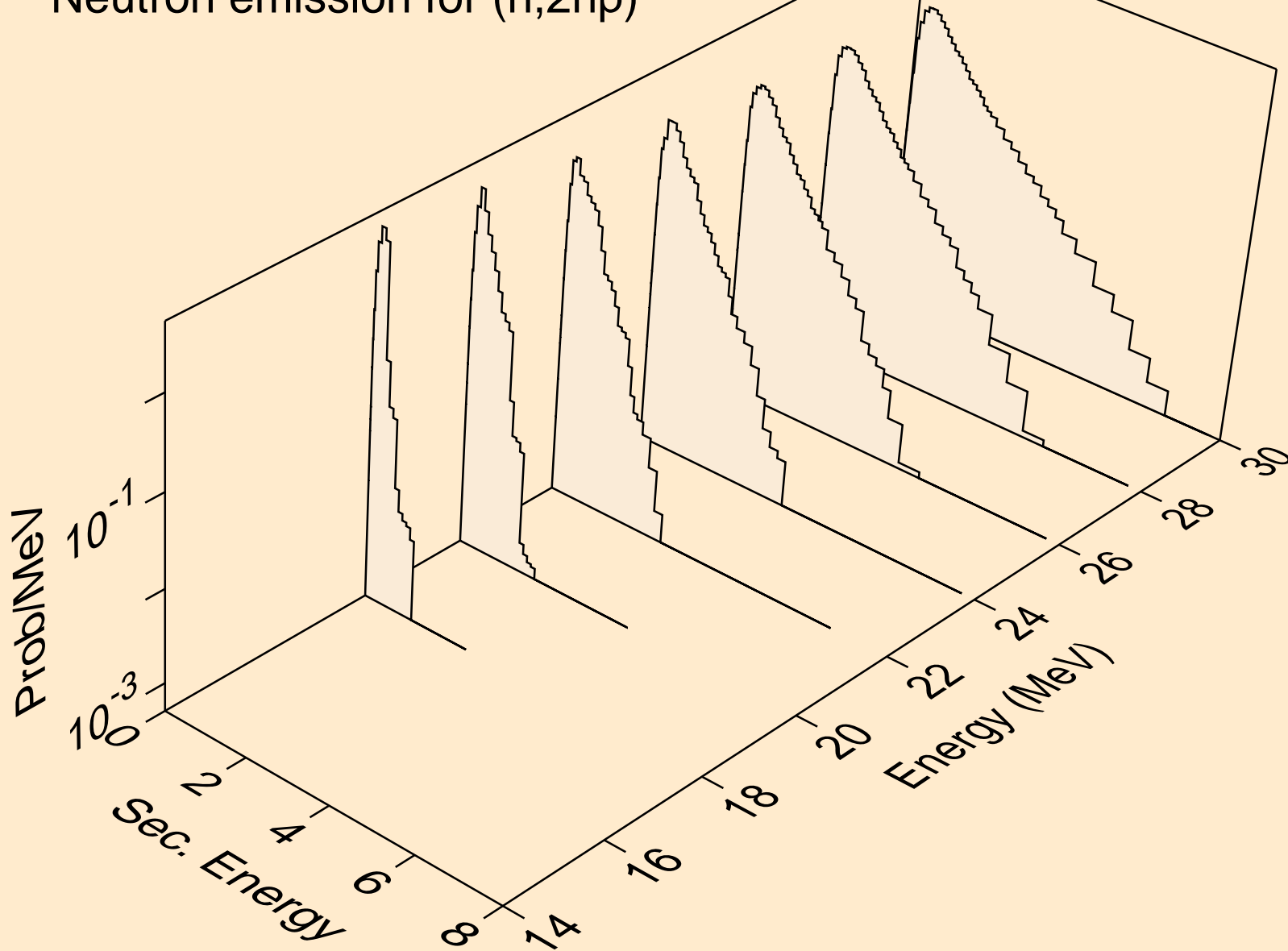
HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)he3



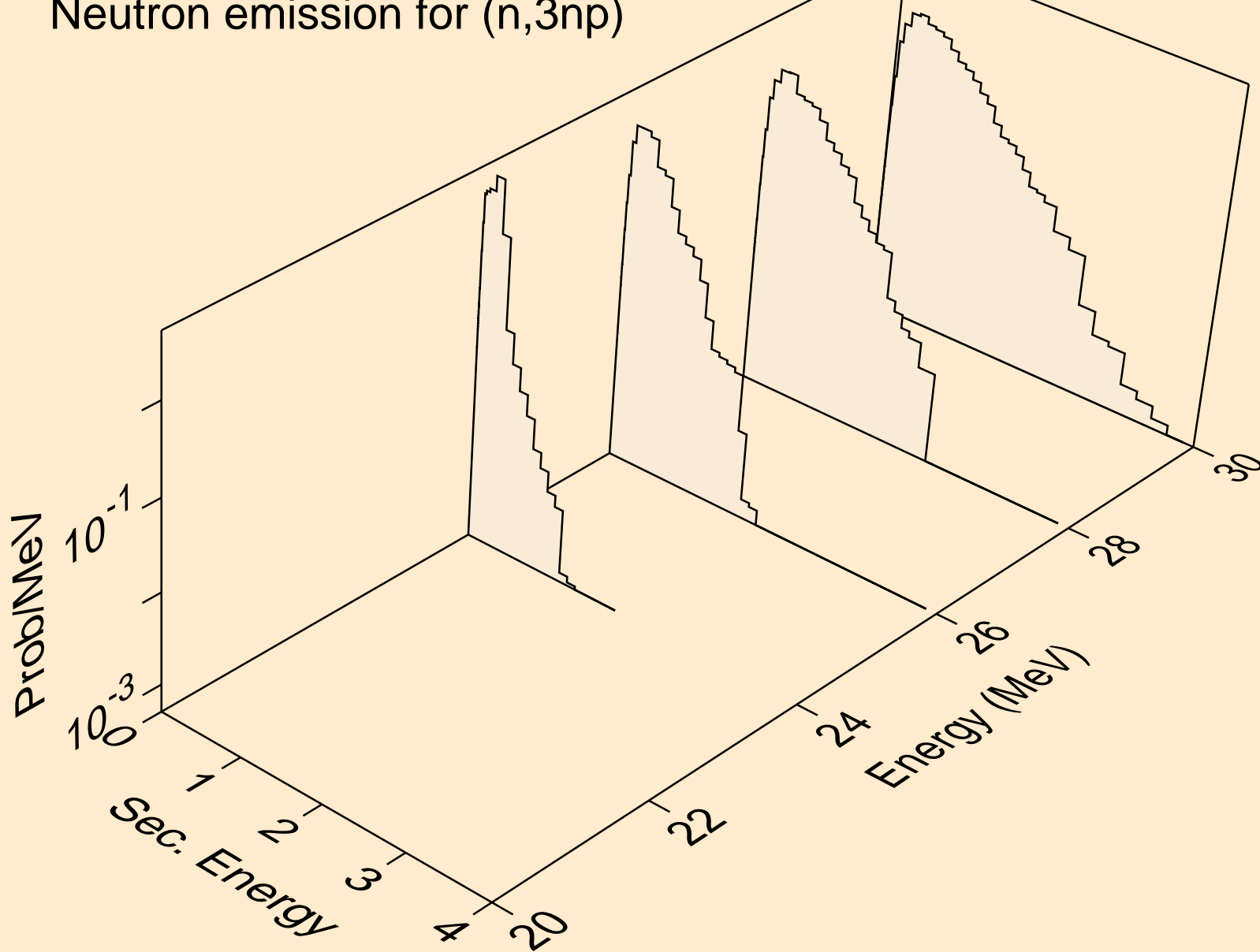
HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,4n)



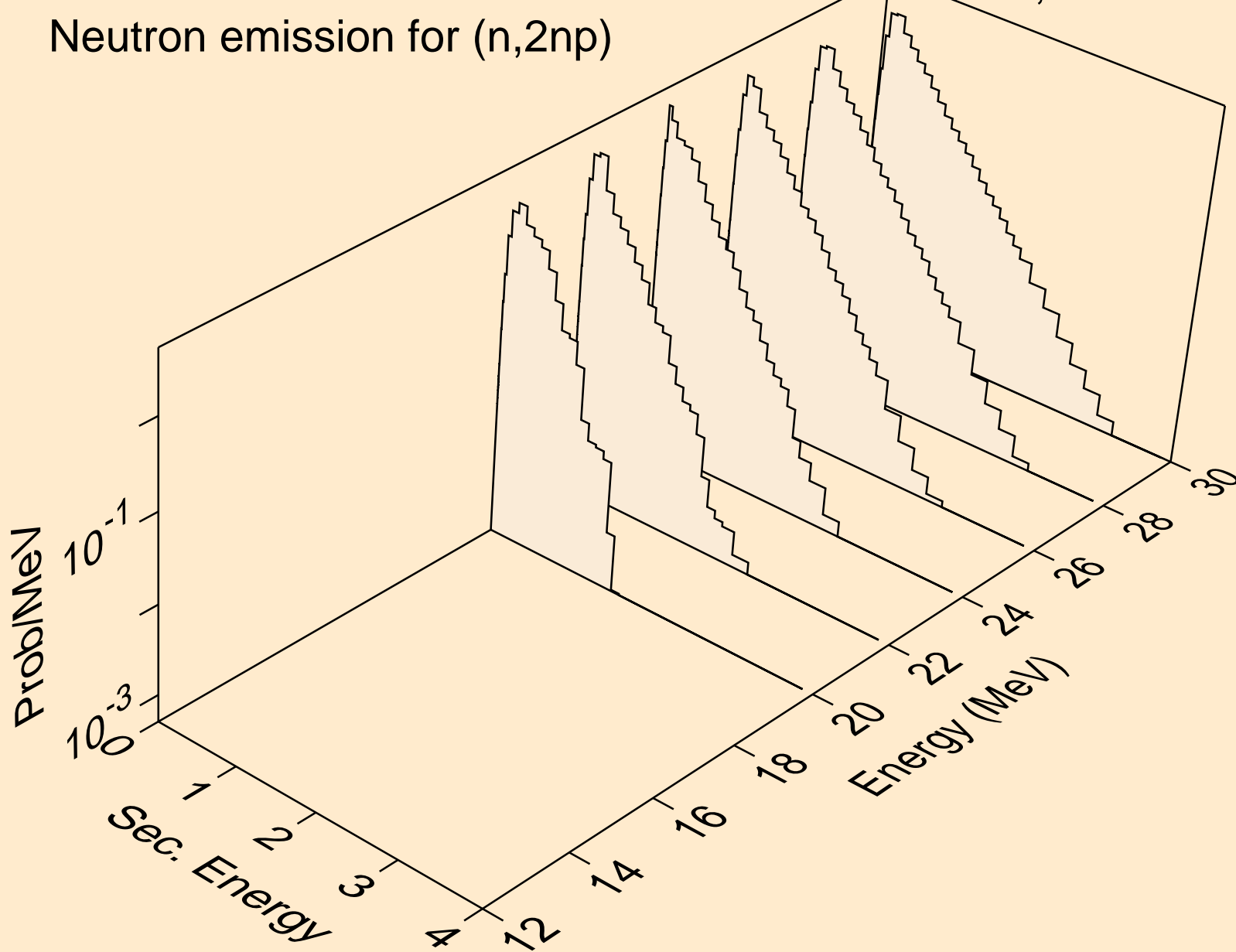
HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2np)



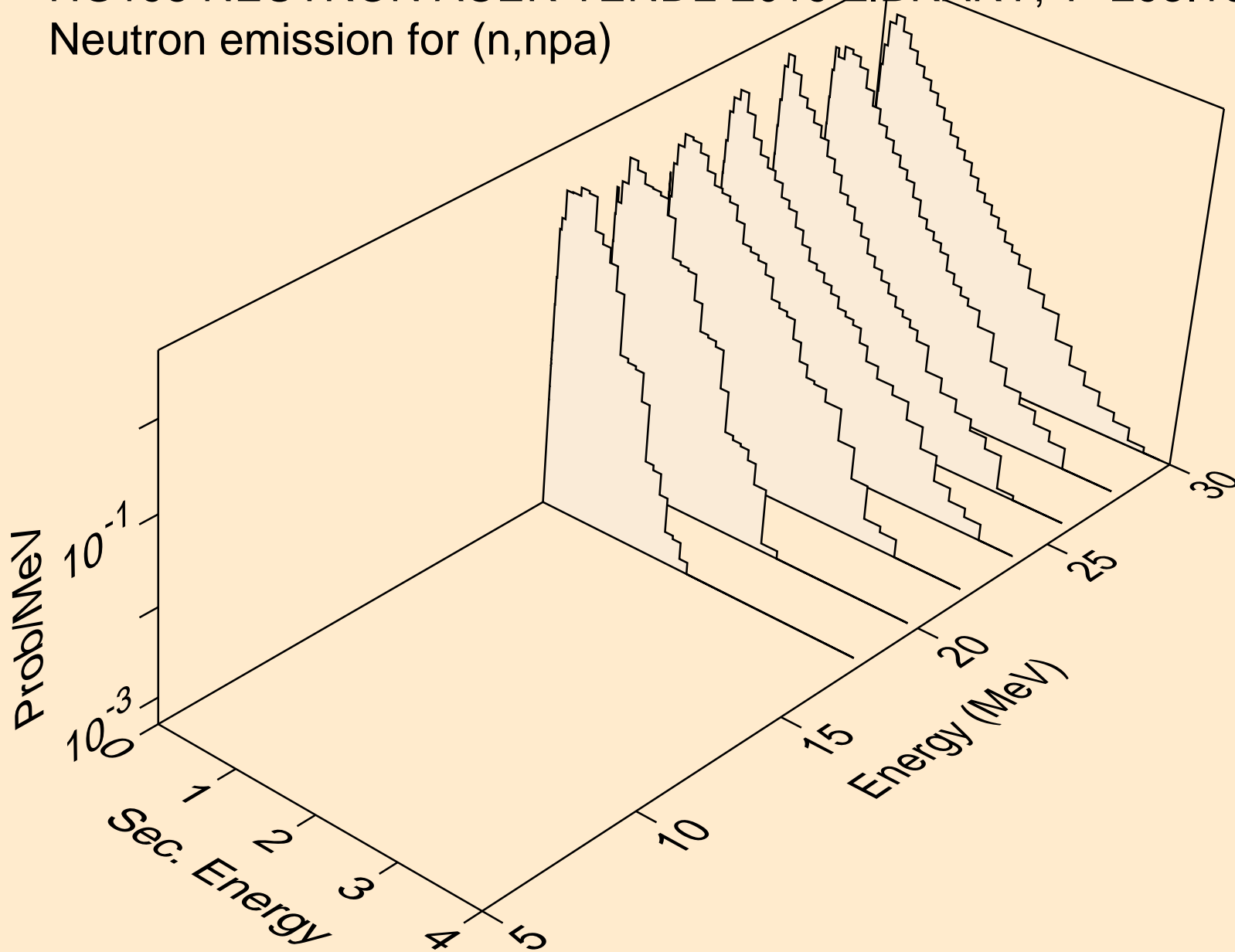
HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3np)



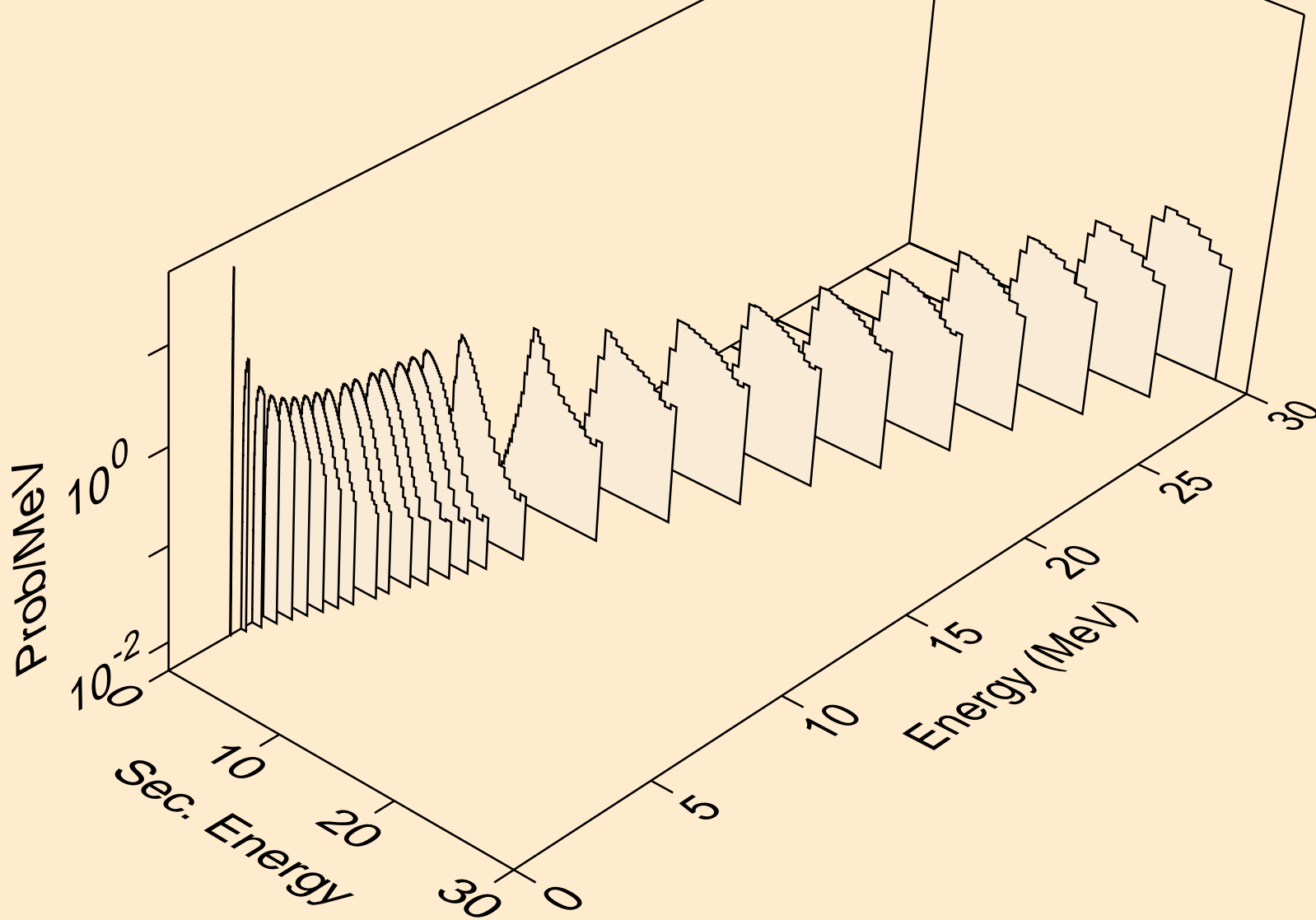
HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2np)



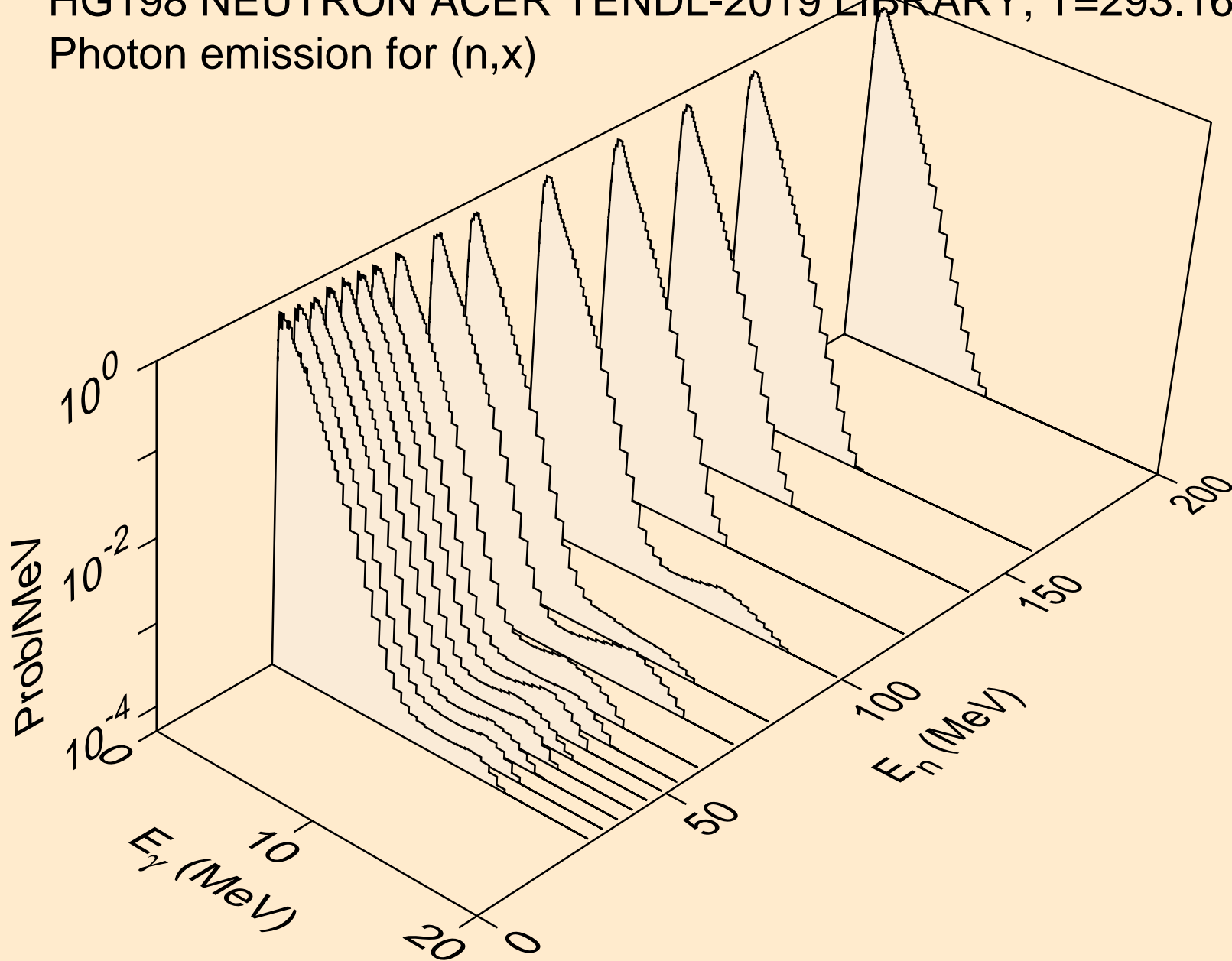
HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,npa)



HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*c)

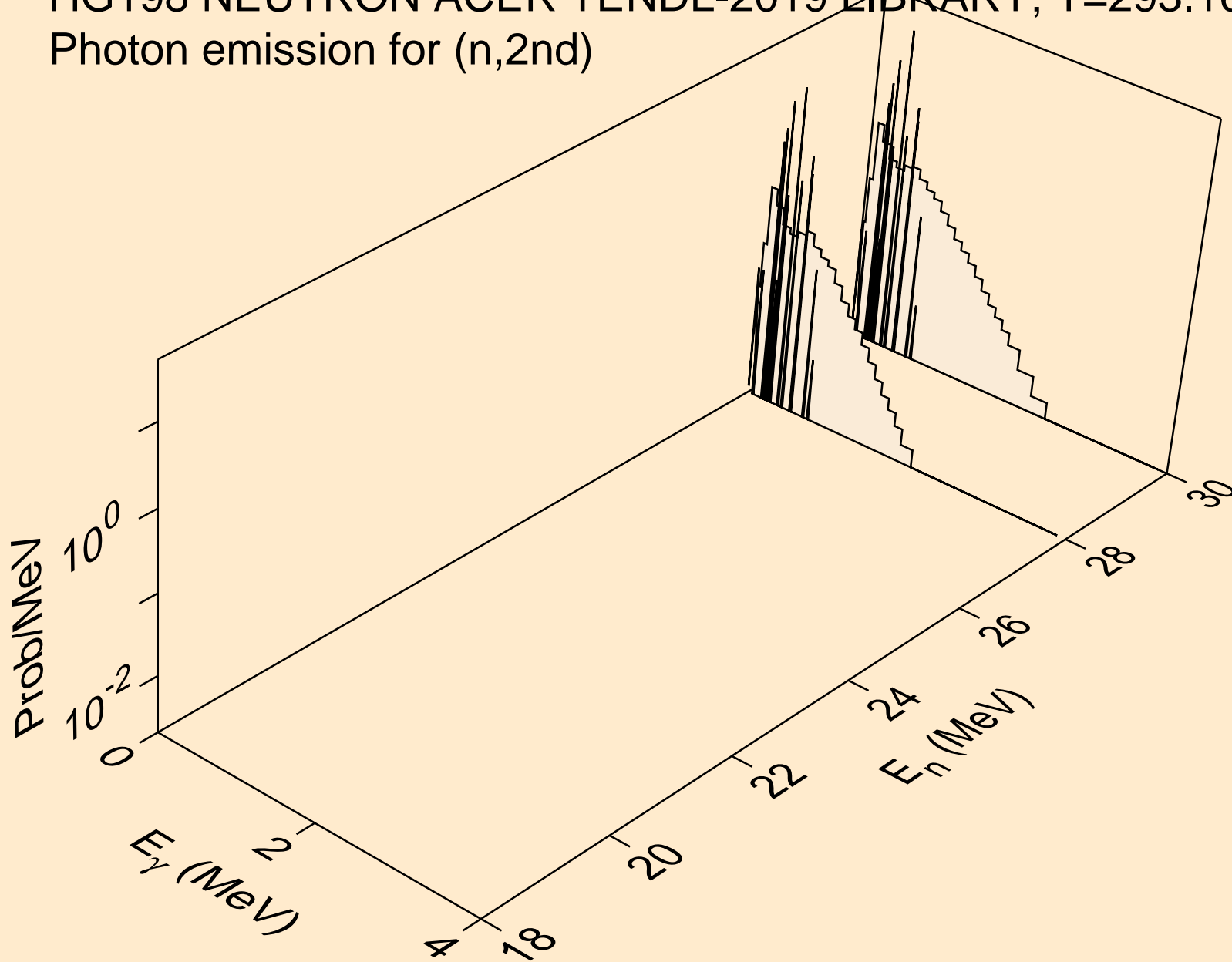


HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,x)

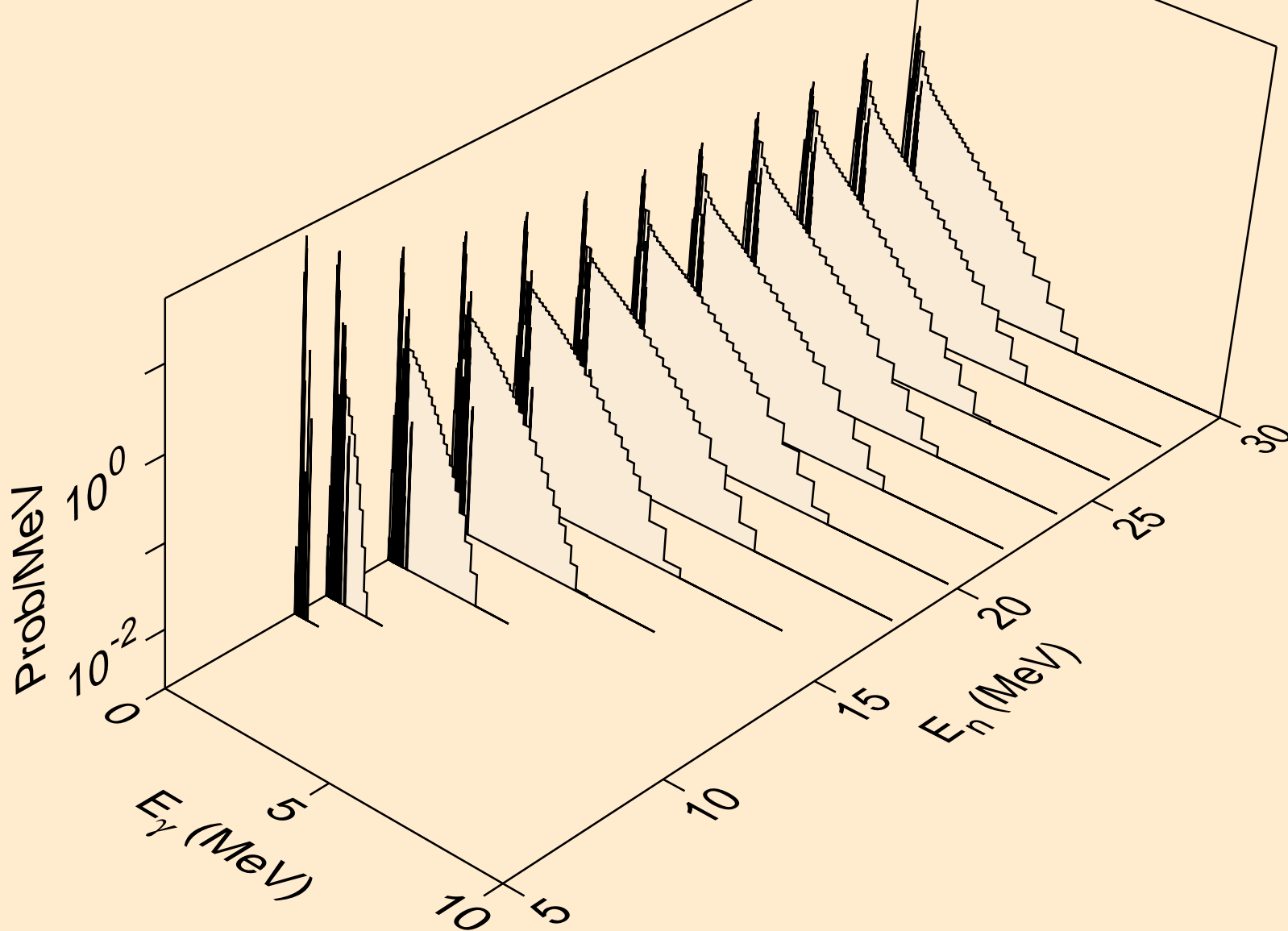




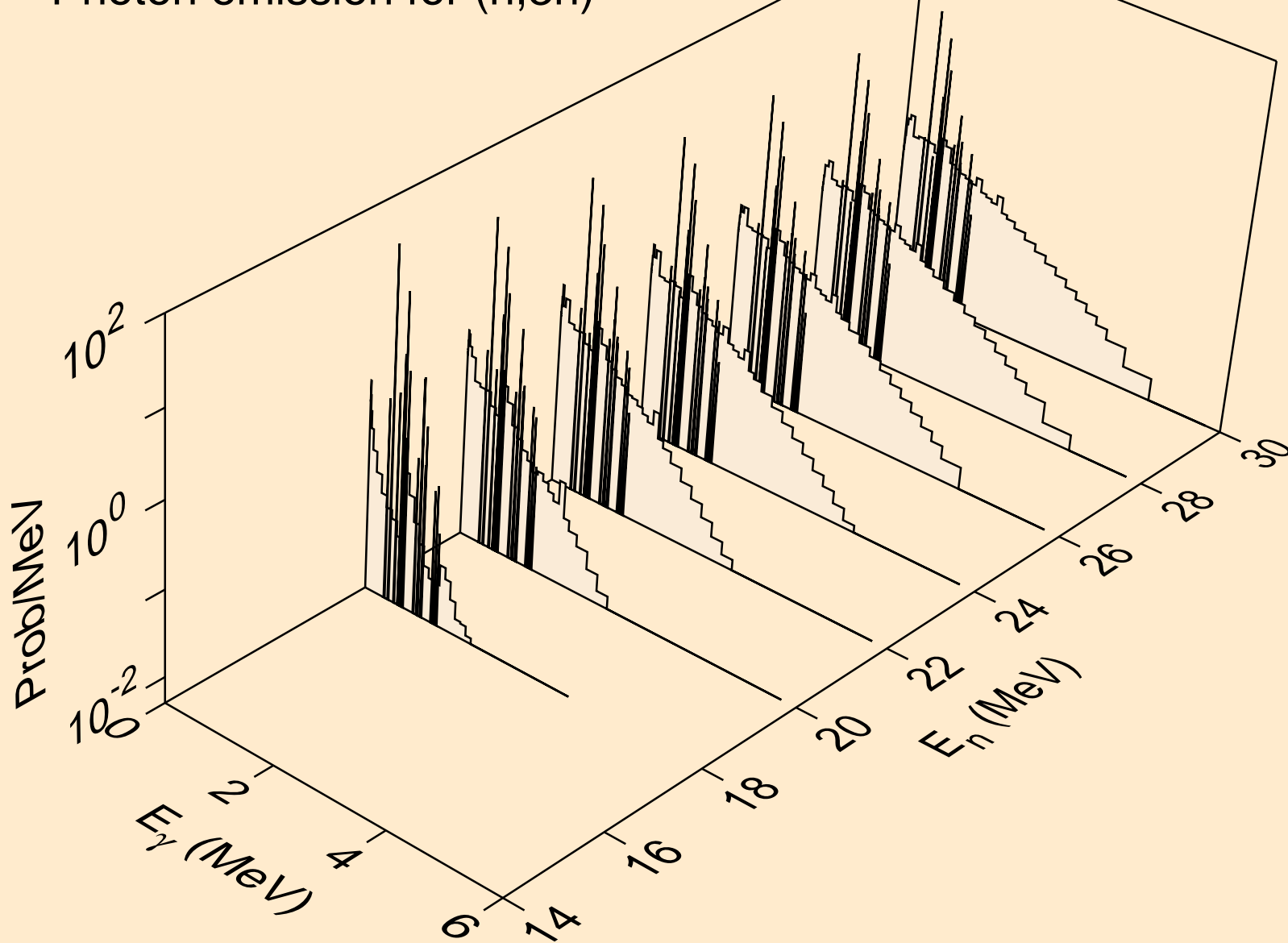
HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2nd)



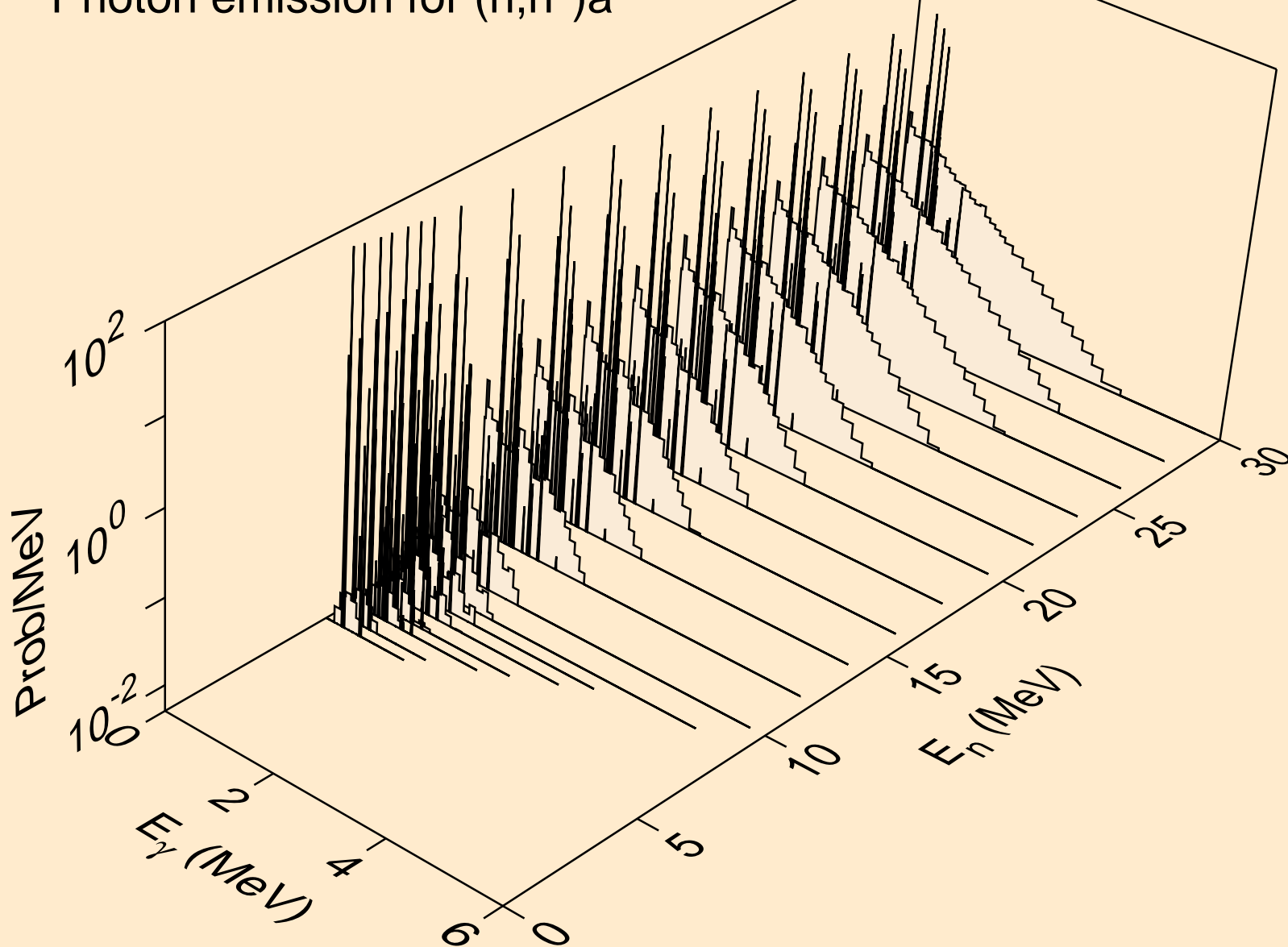
HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n)



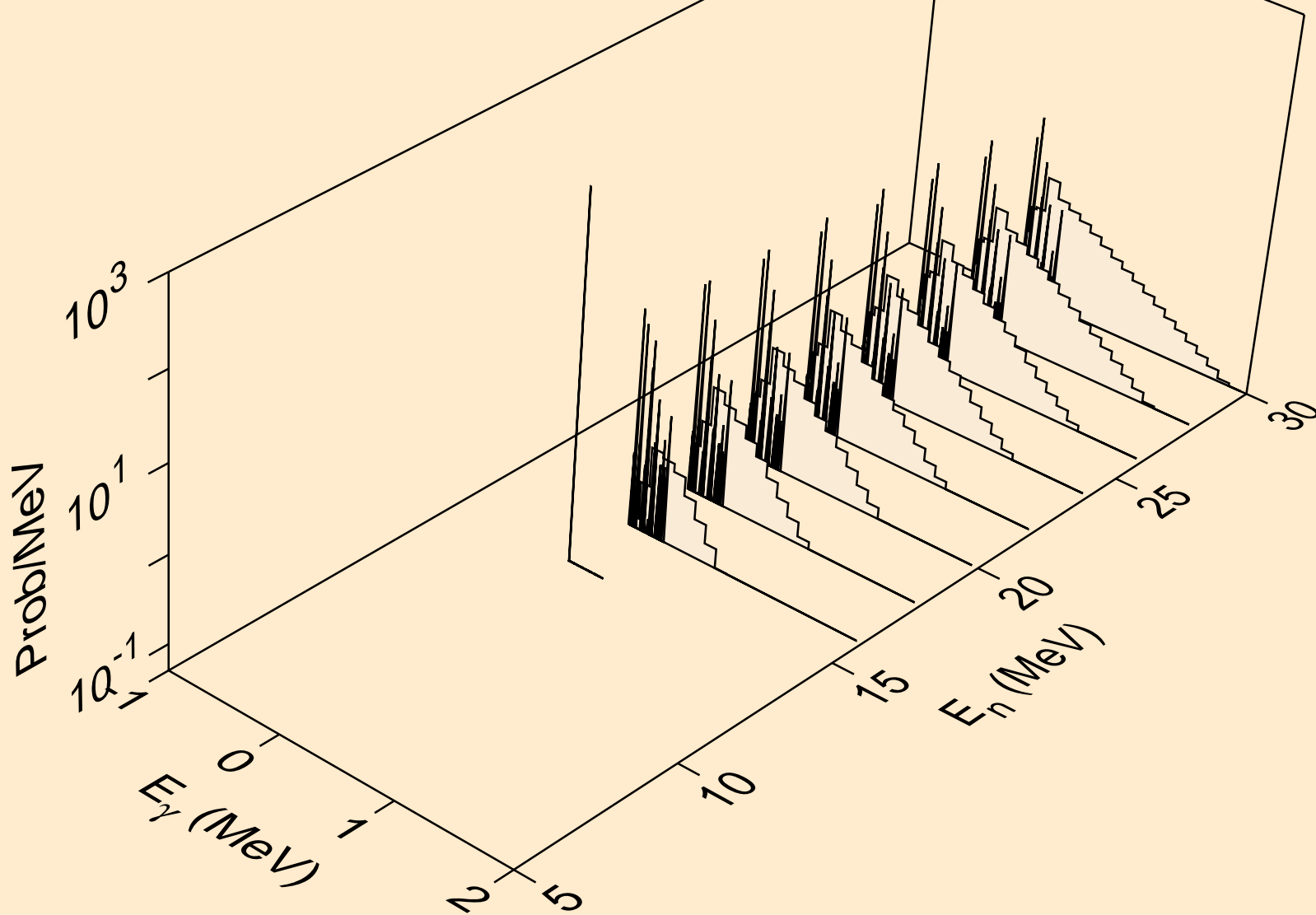
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Photon emission for (n,3n)



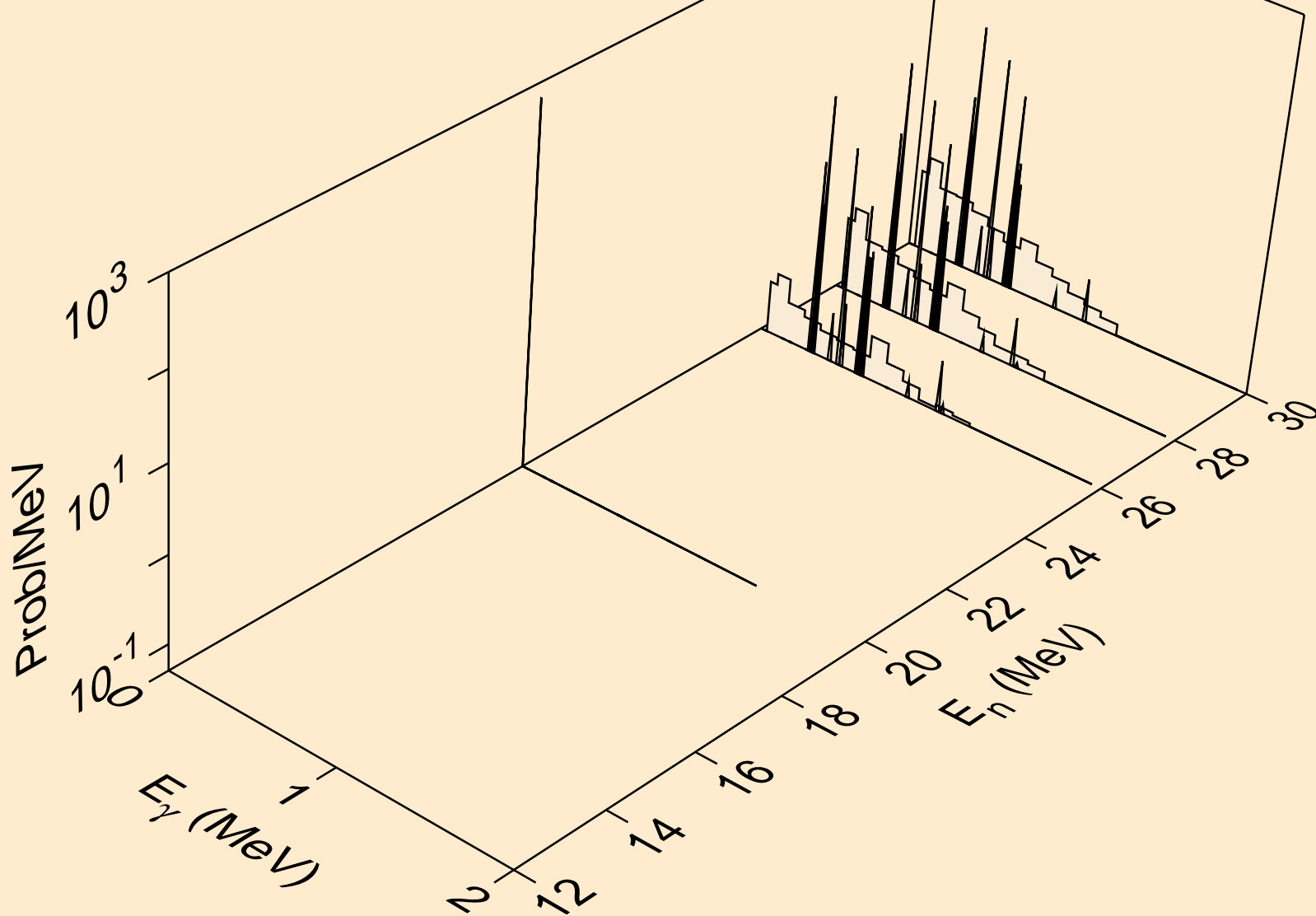
HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)a



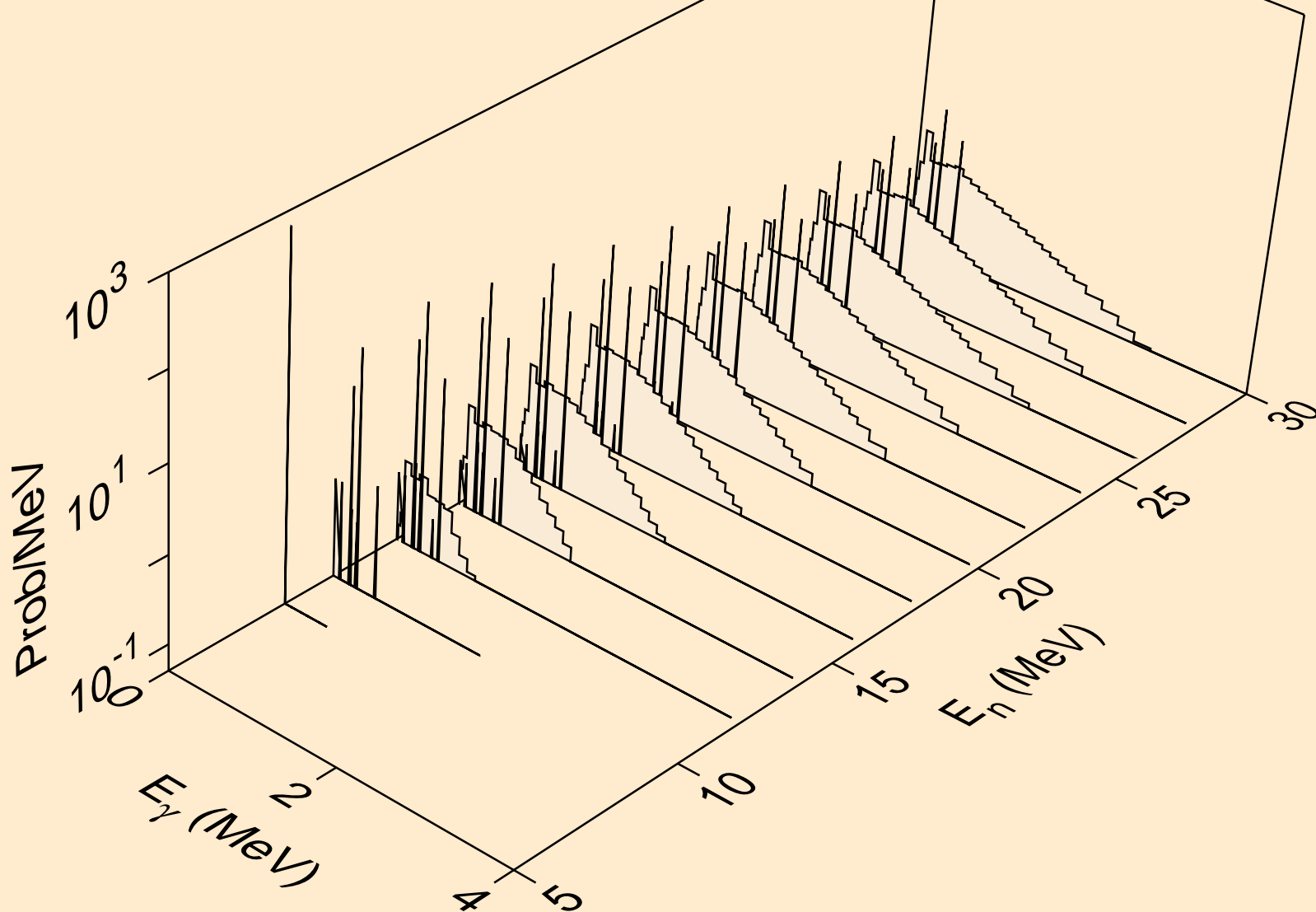
HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n)a



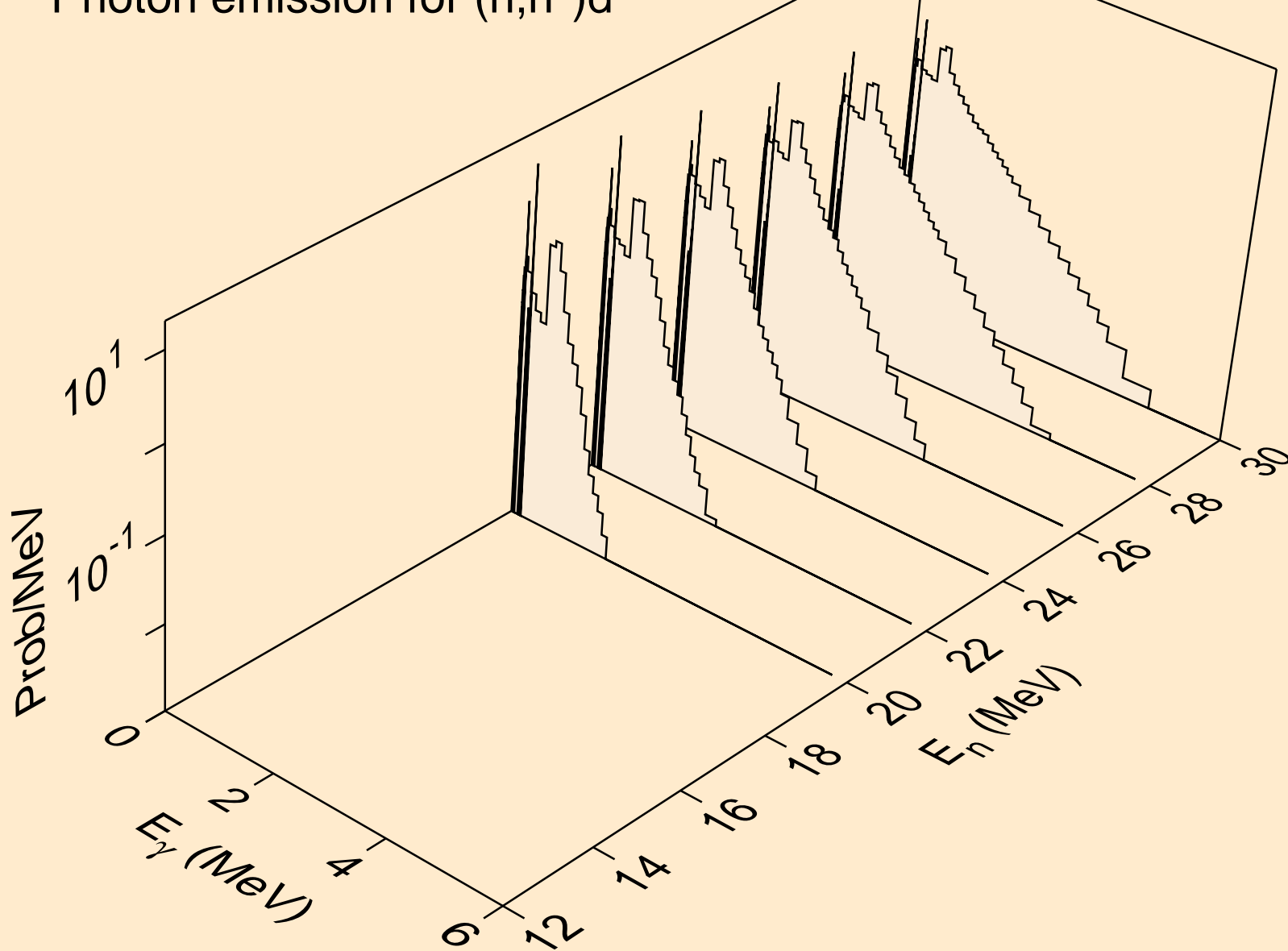
HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3n)a



HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)p

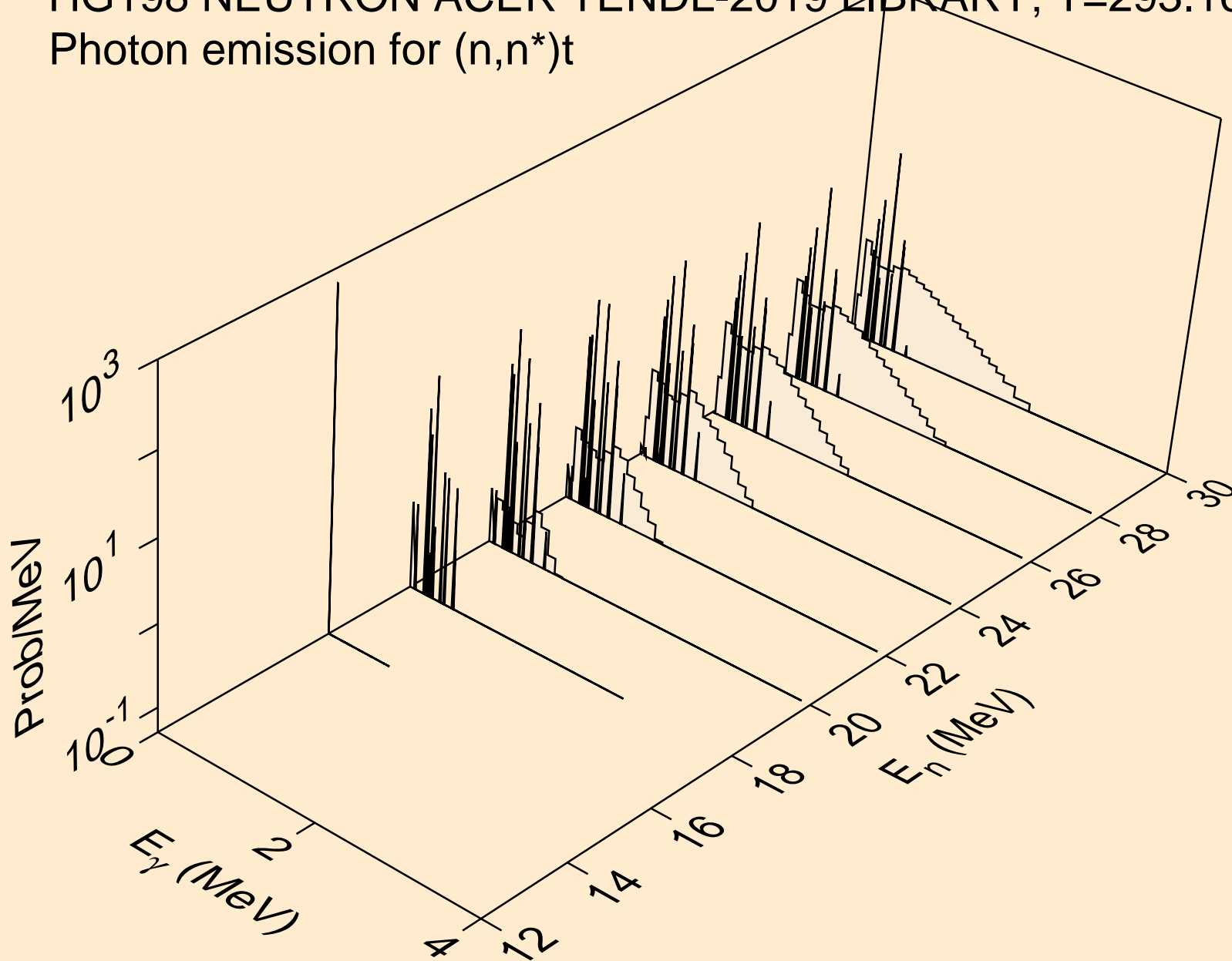


HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)d

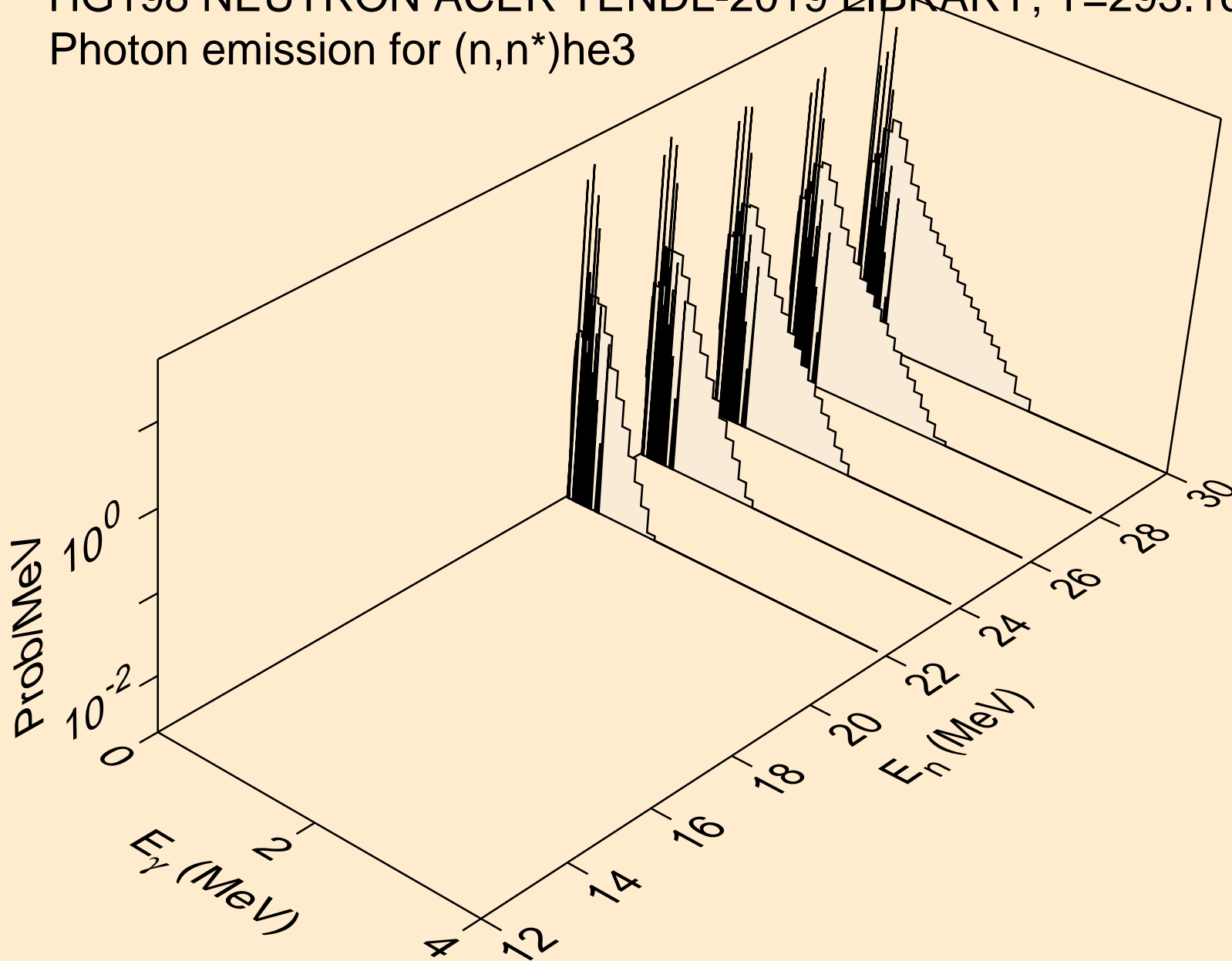




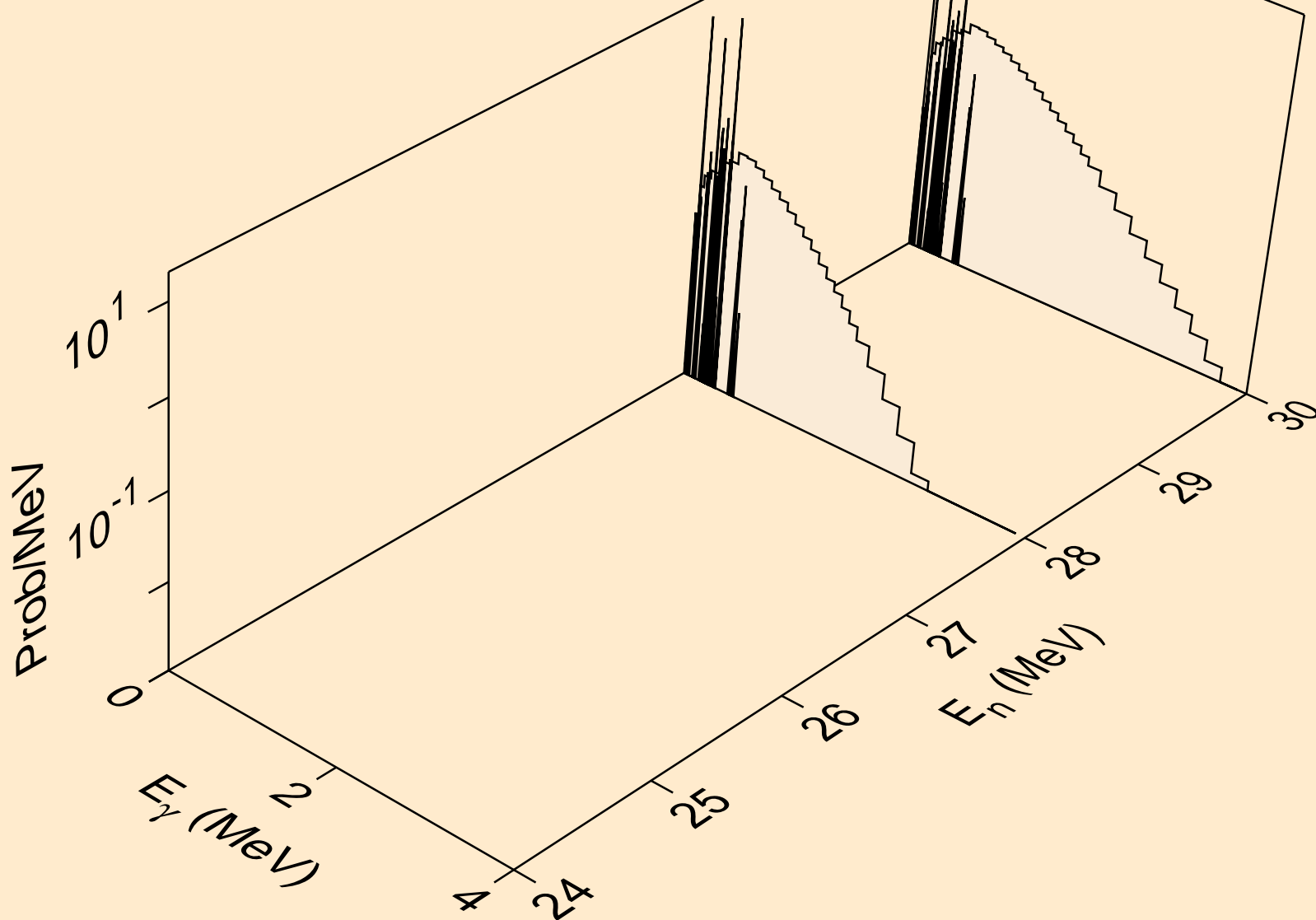
HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)t



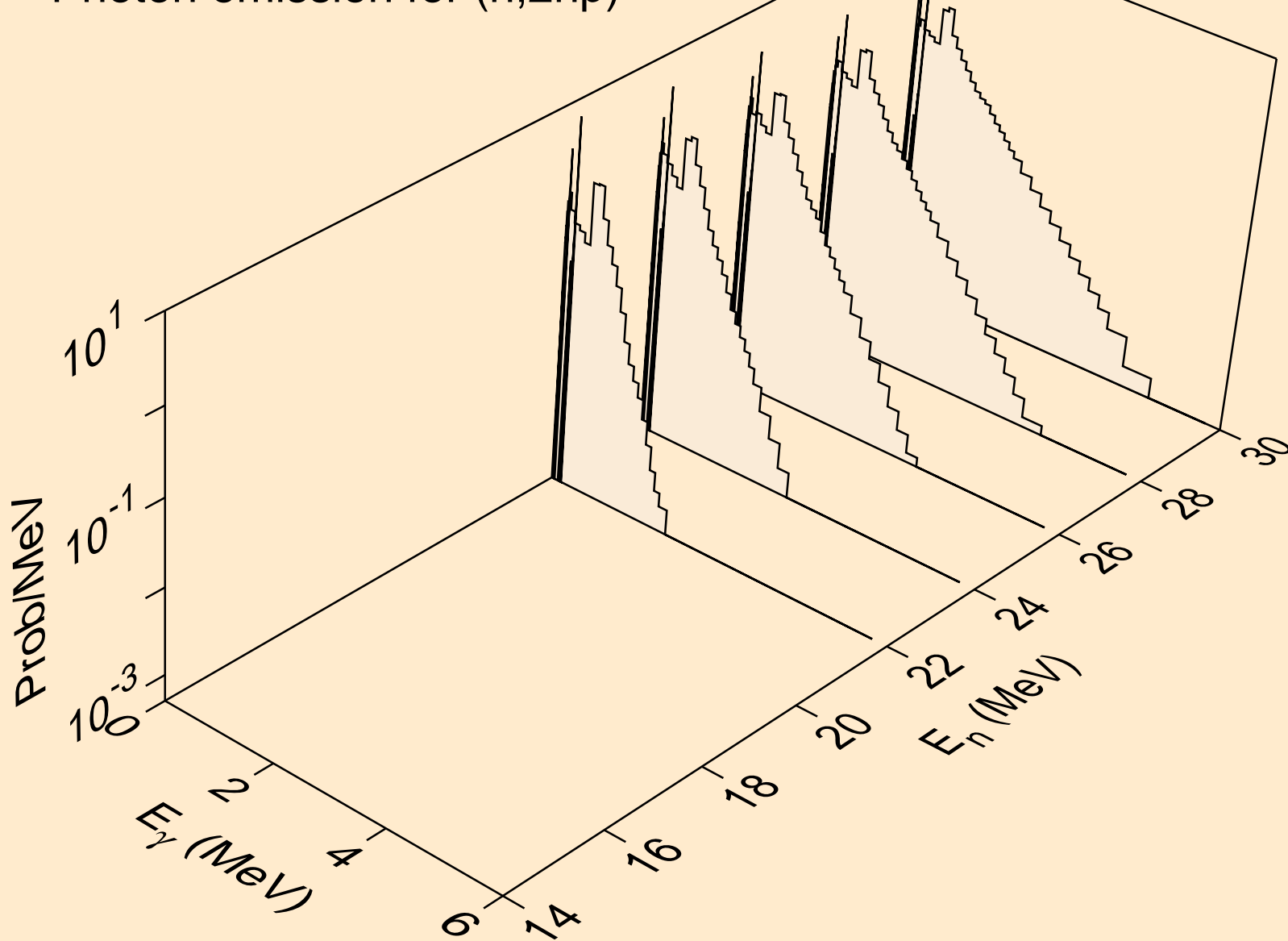
HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)he3



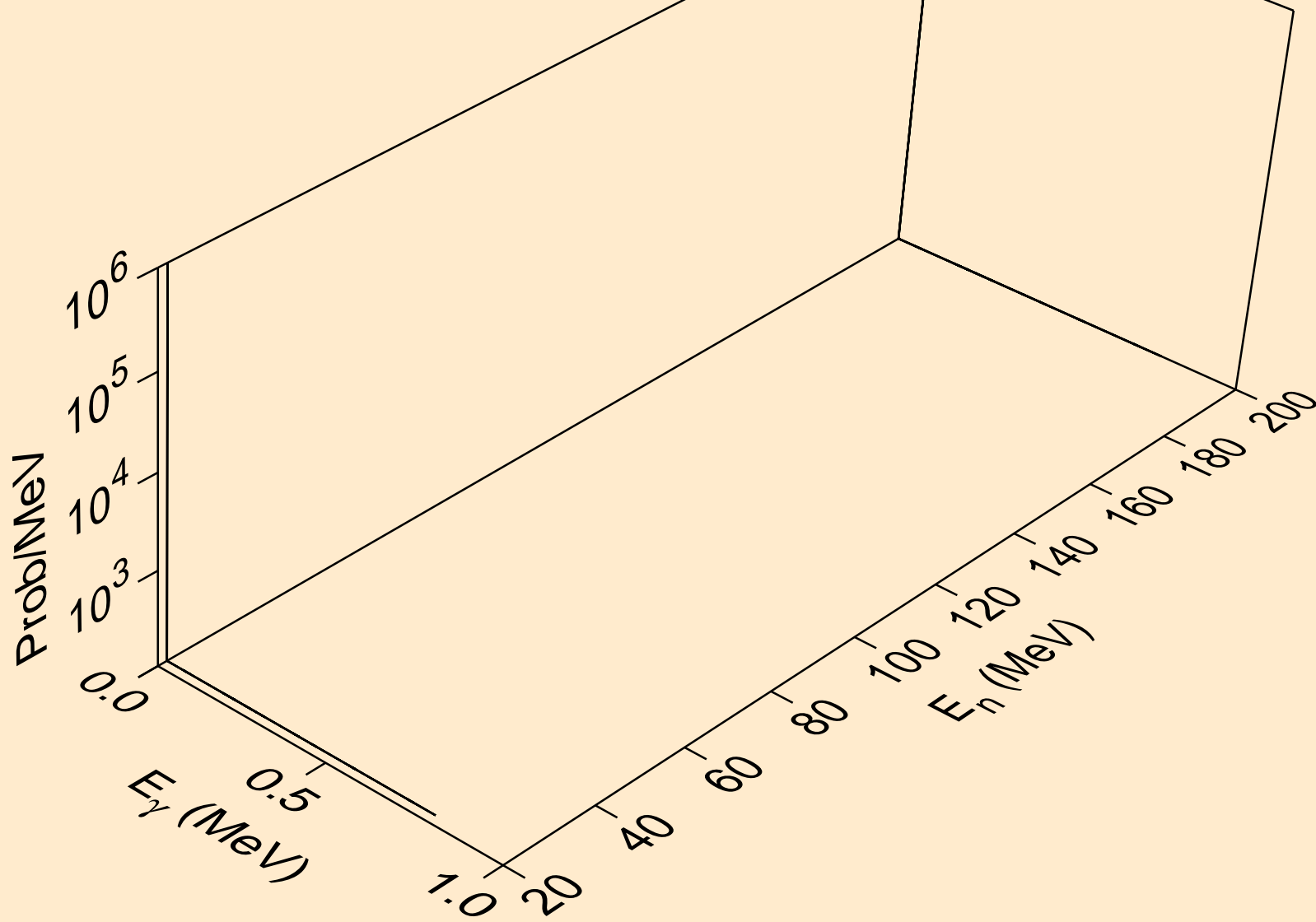
HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,4n)



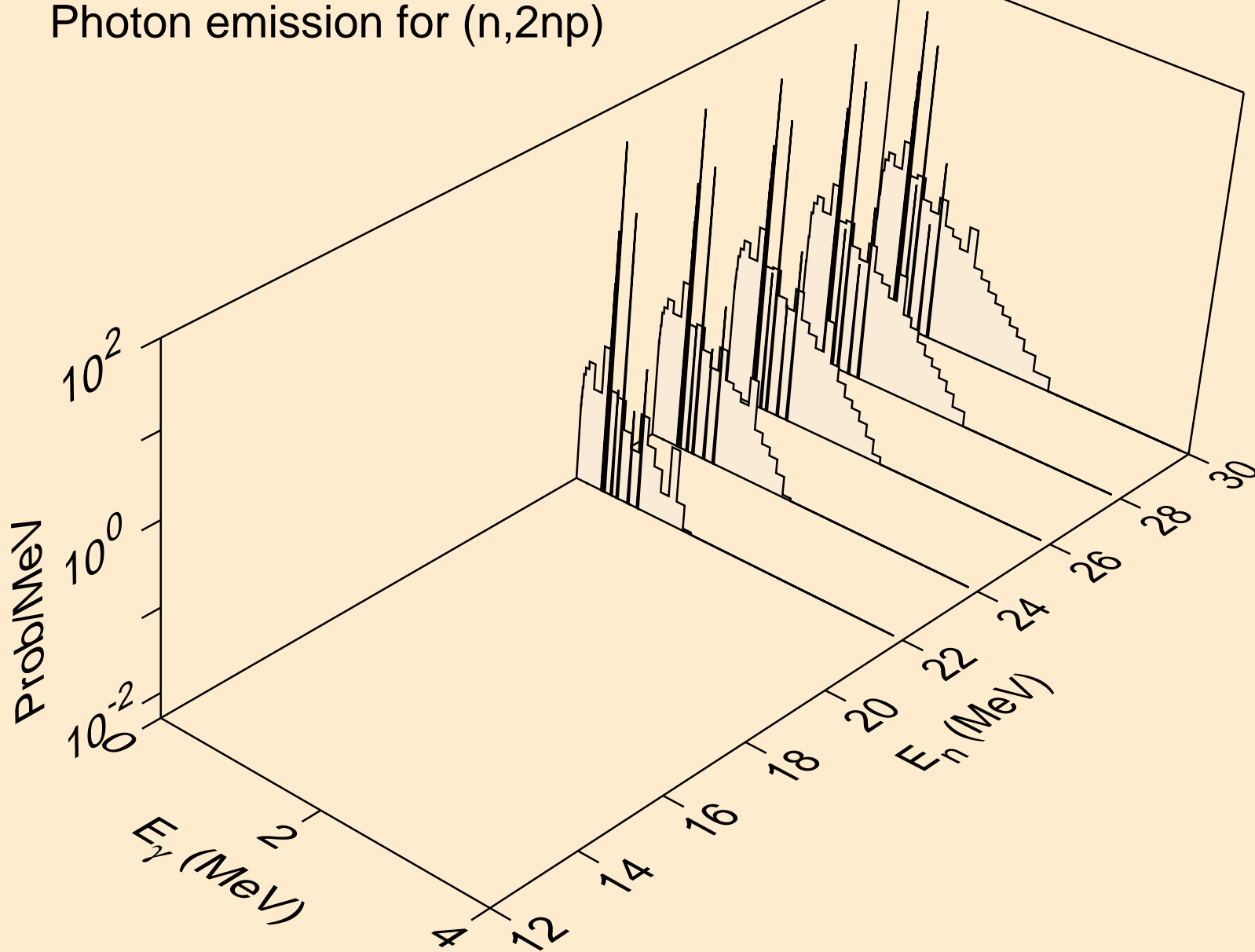
HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2np)



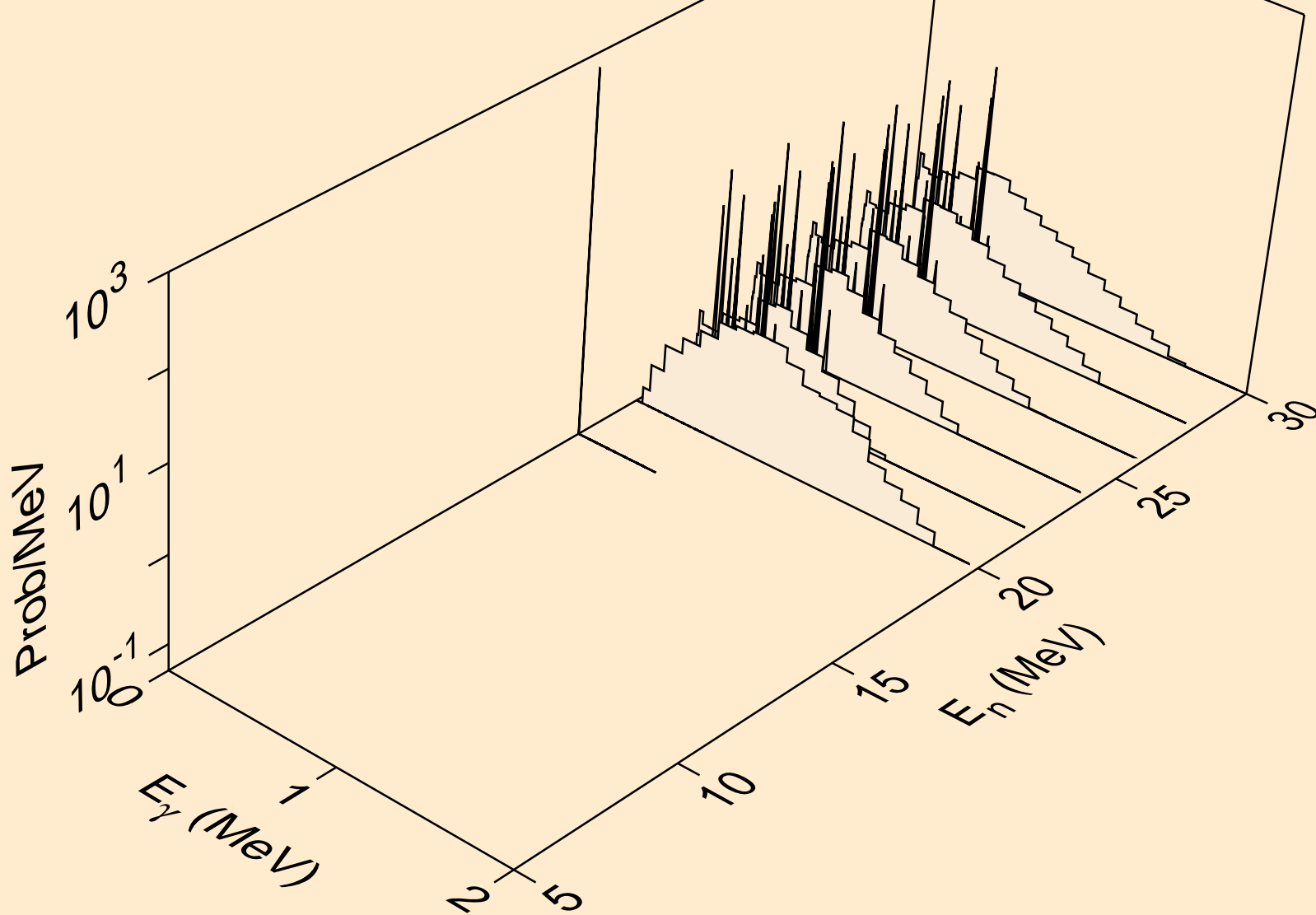
HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3np)



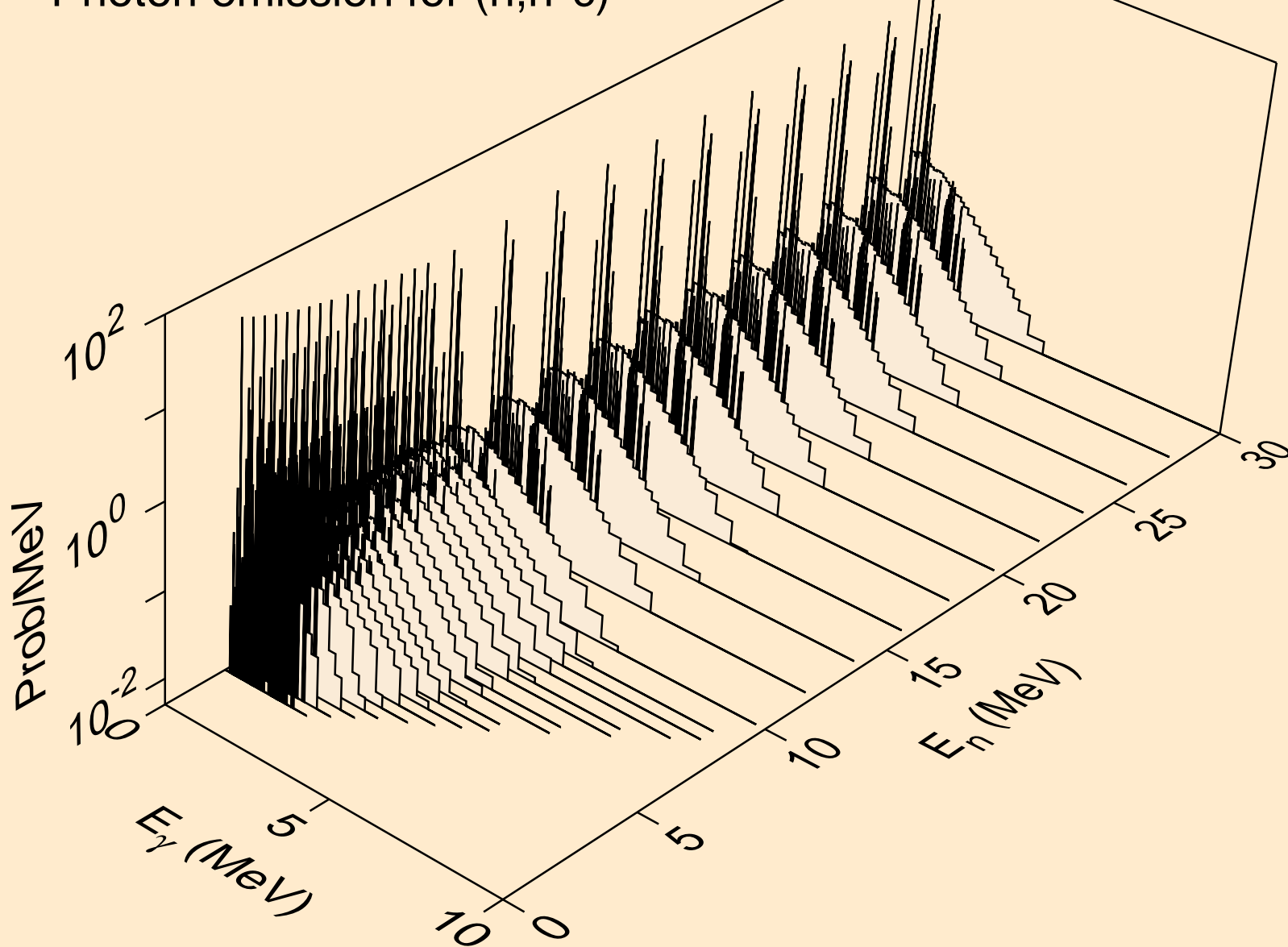
HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2np)



HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,npa)

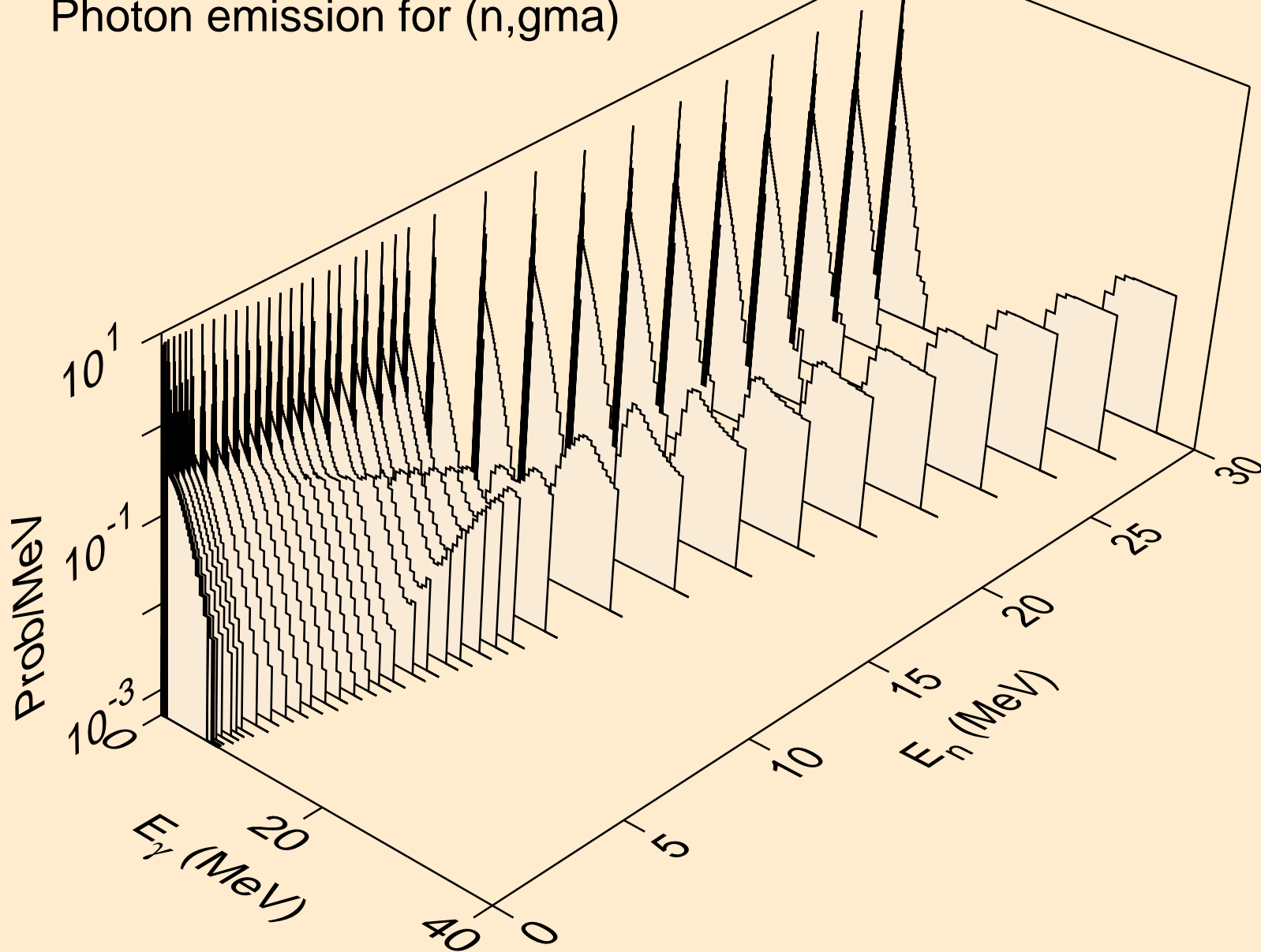


HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*c)

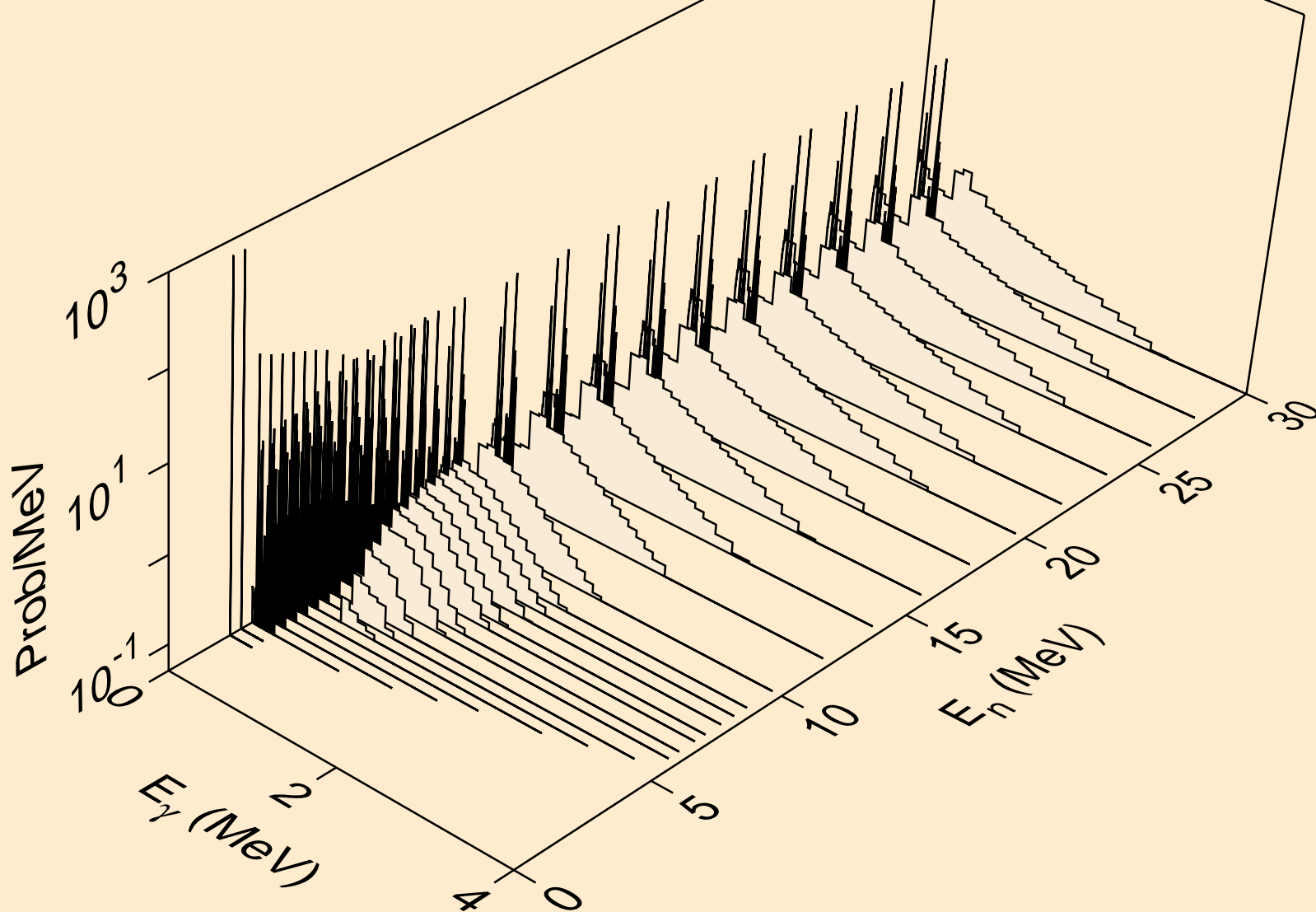




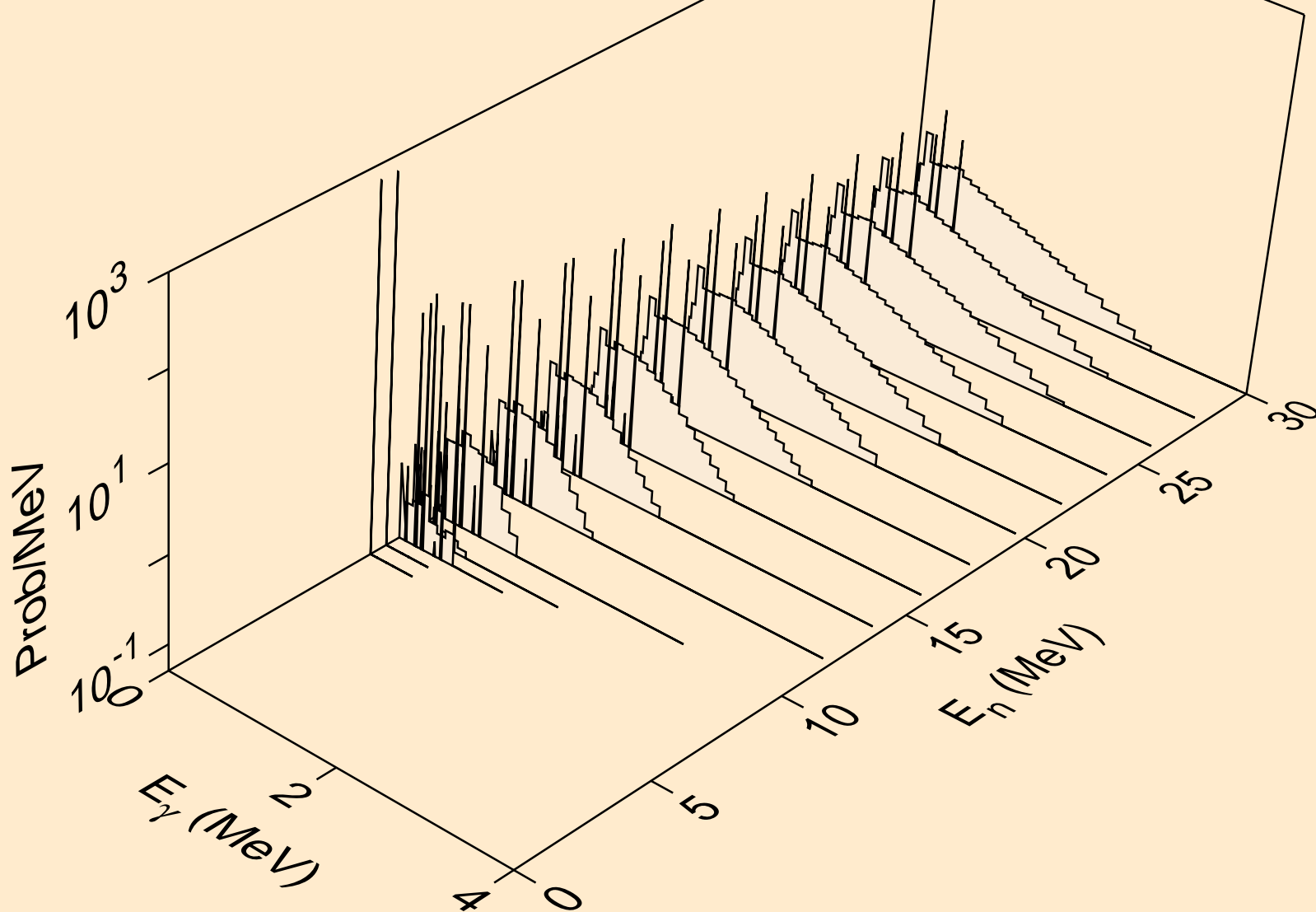
HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,gma)



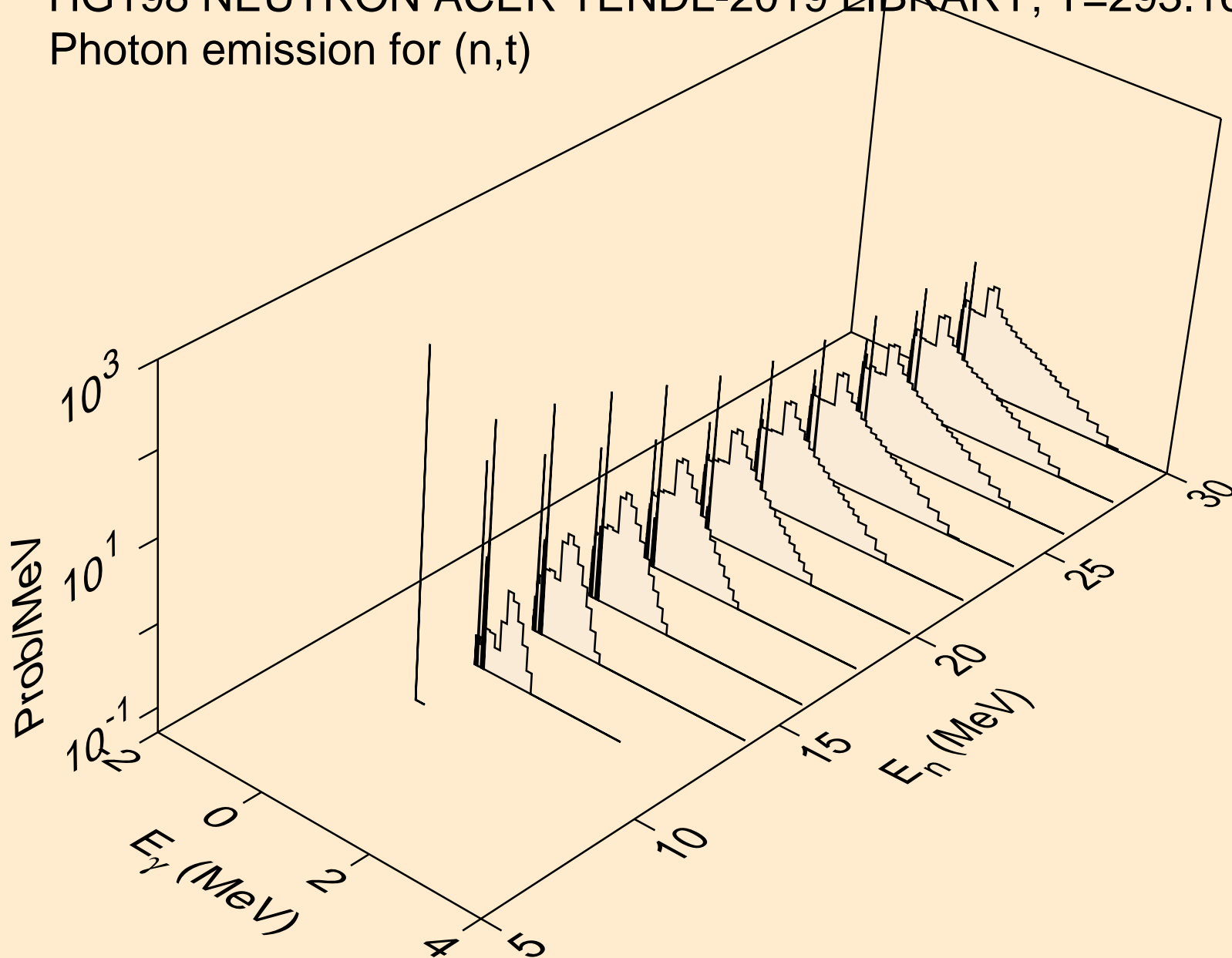
HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,p)



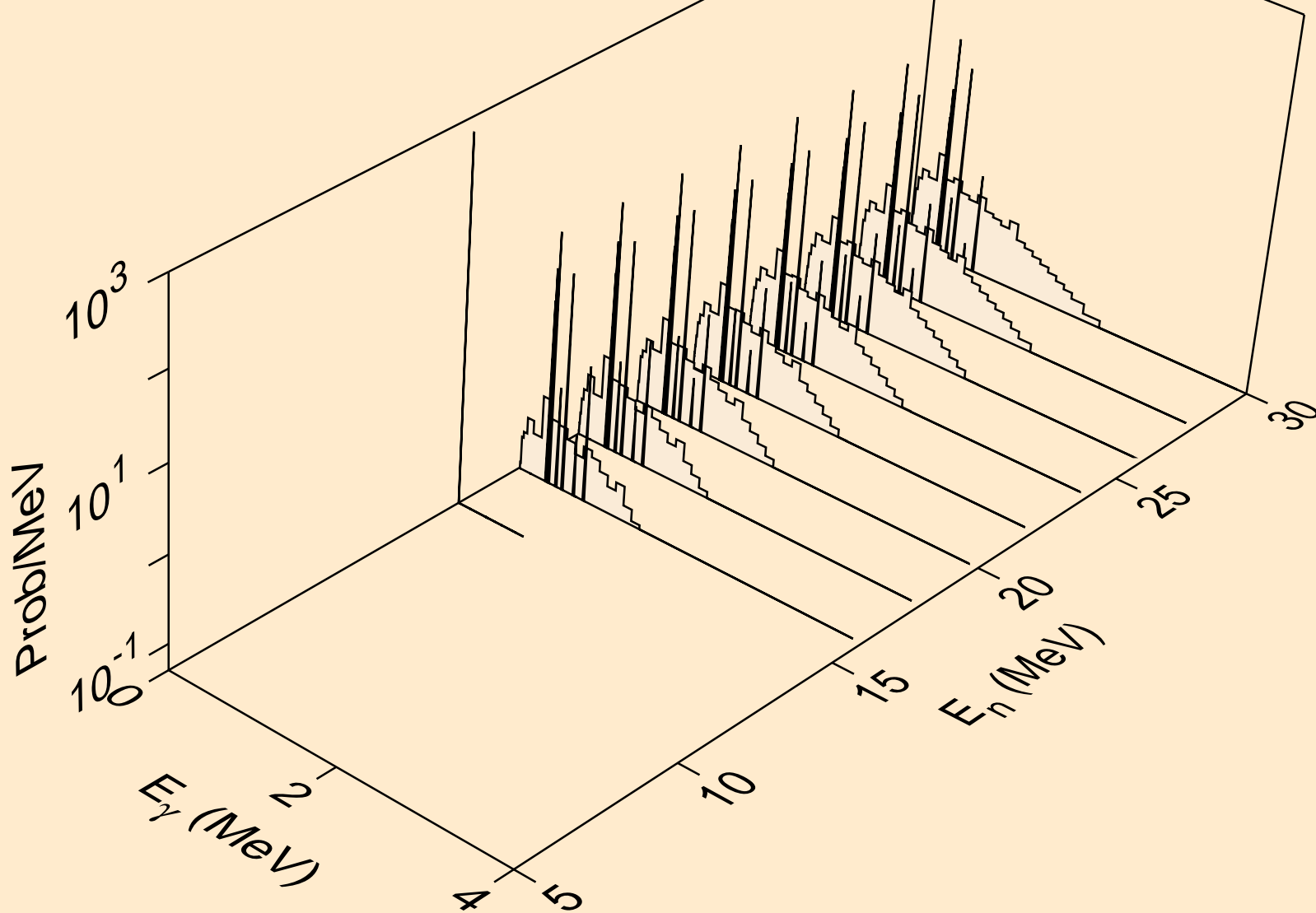
HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,d)



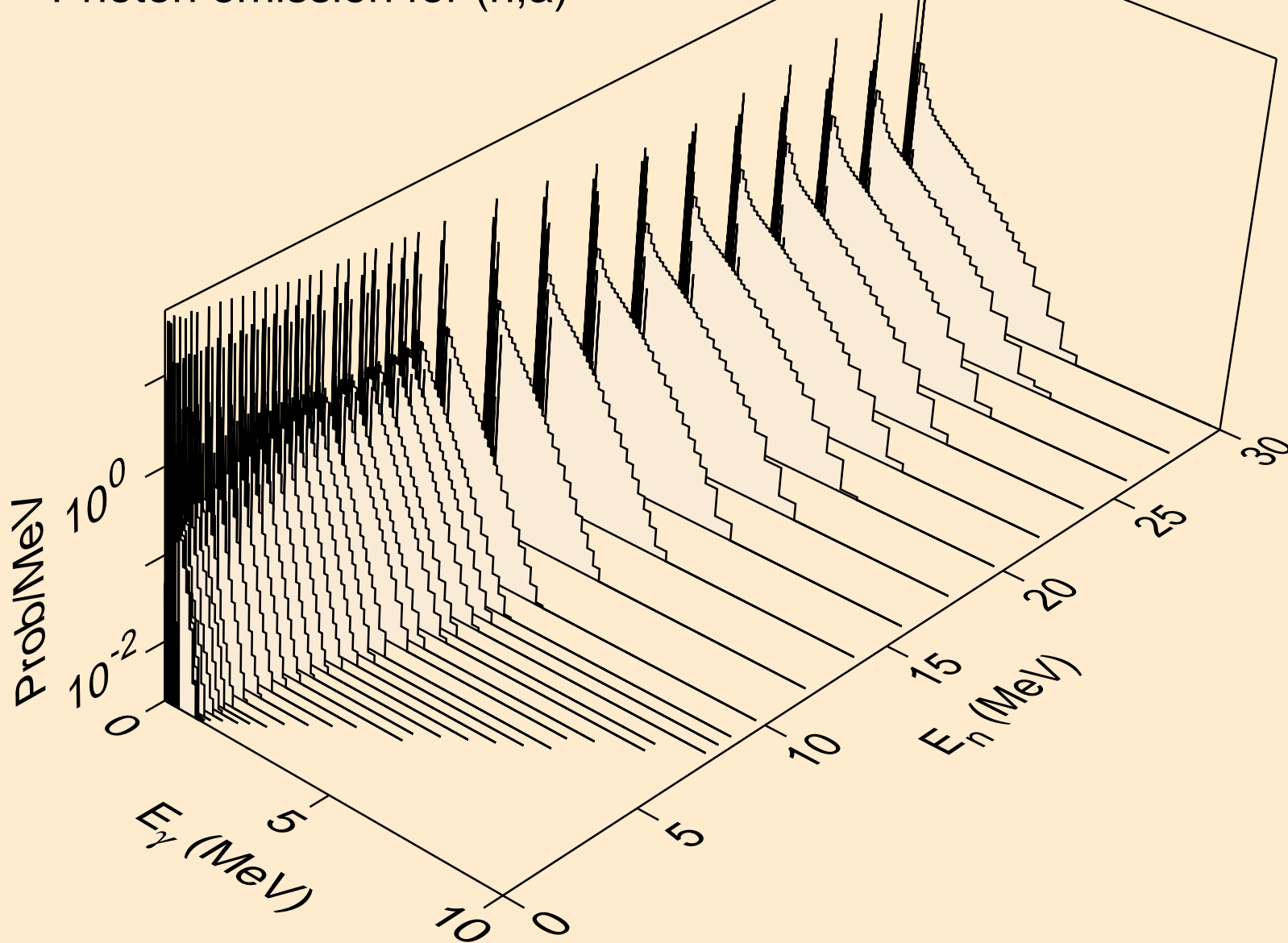
HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,t)



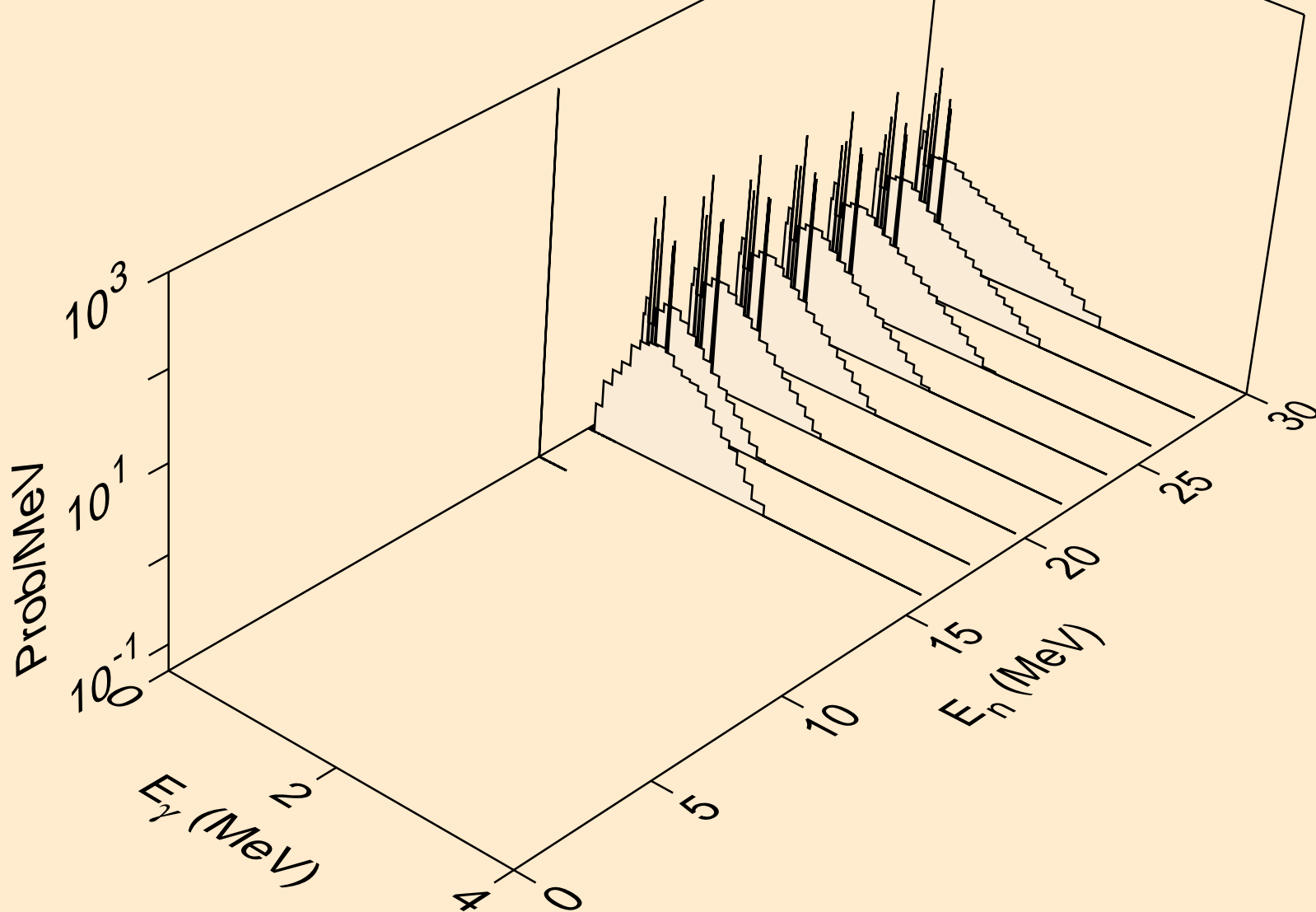
HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,he3)



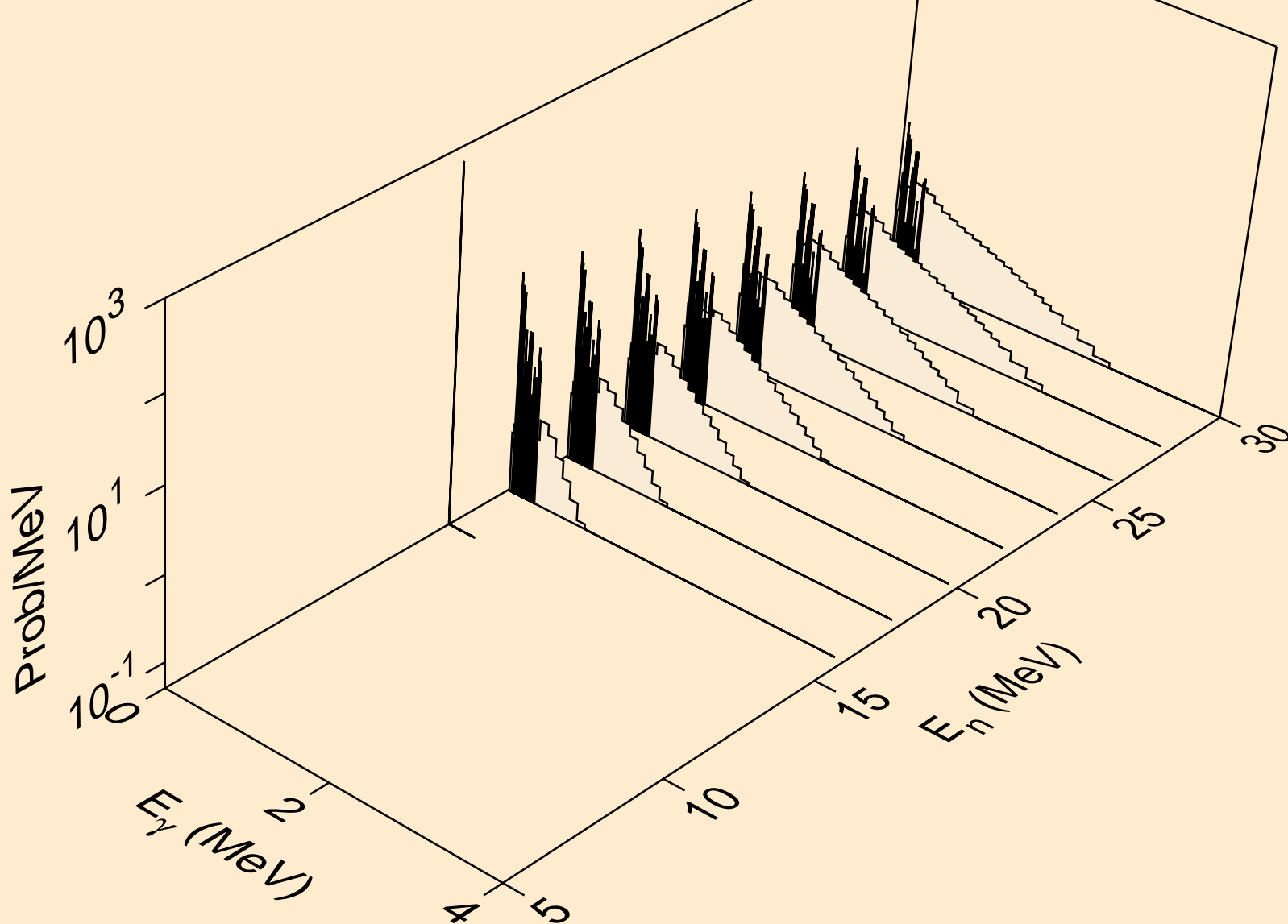
HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,a)



HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2a)

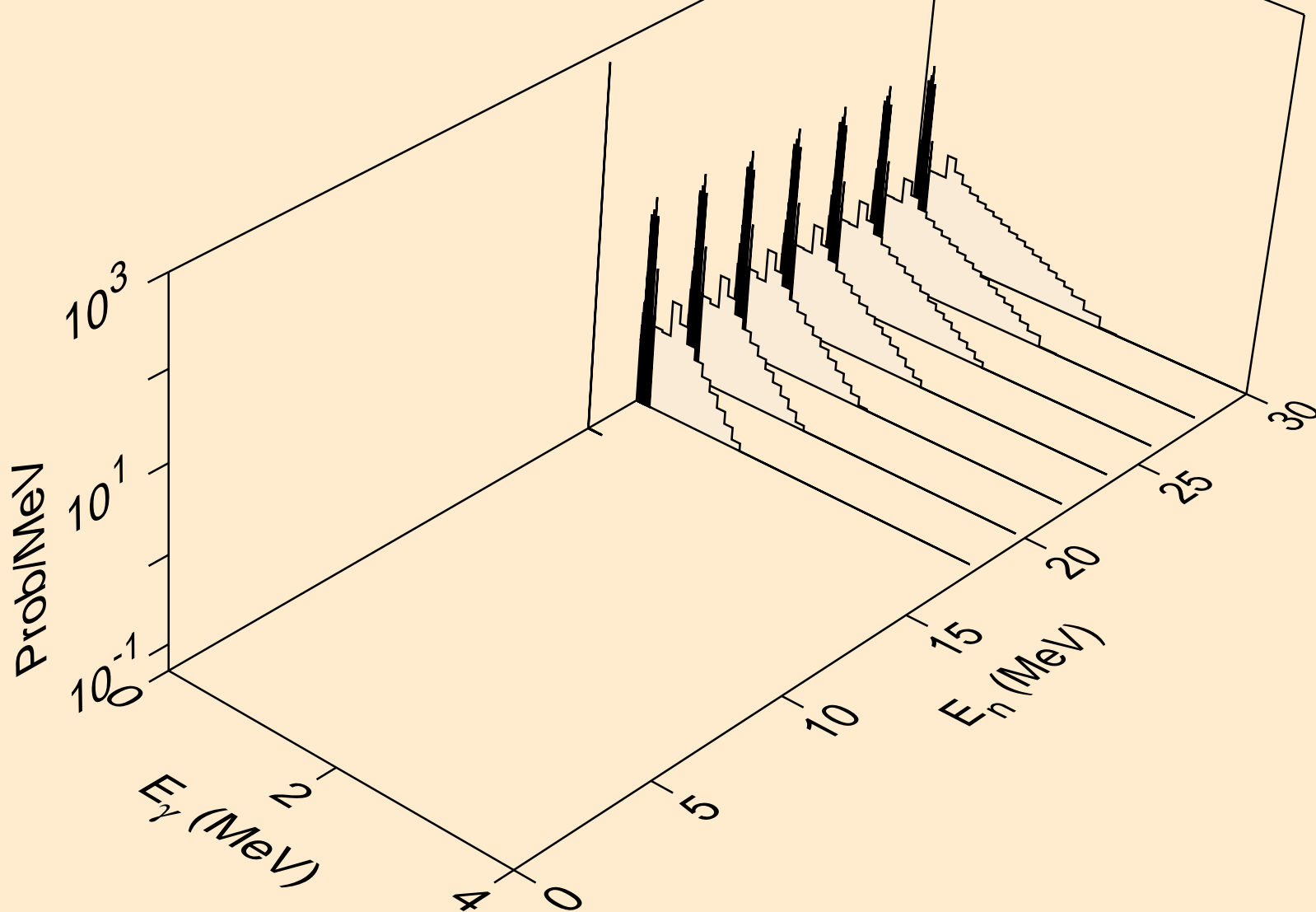


HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2p)

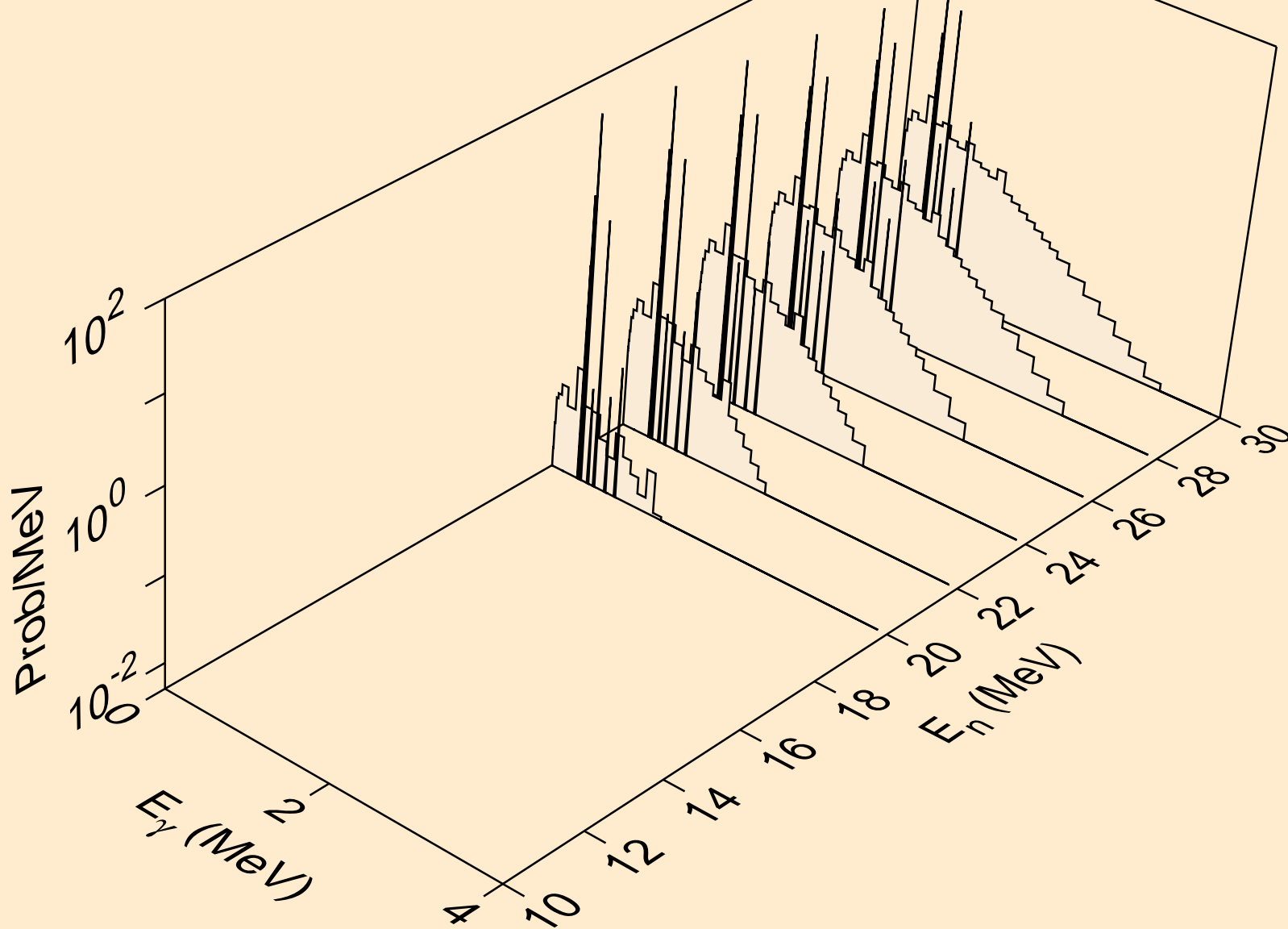




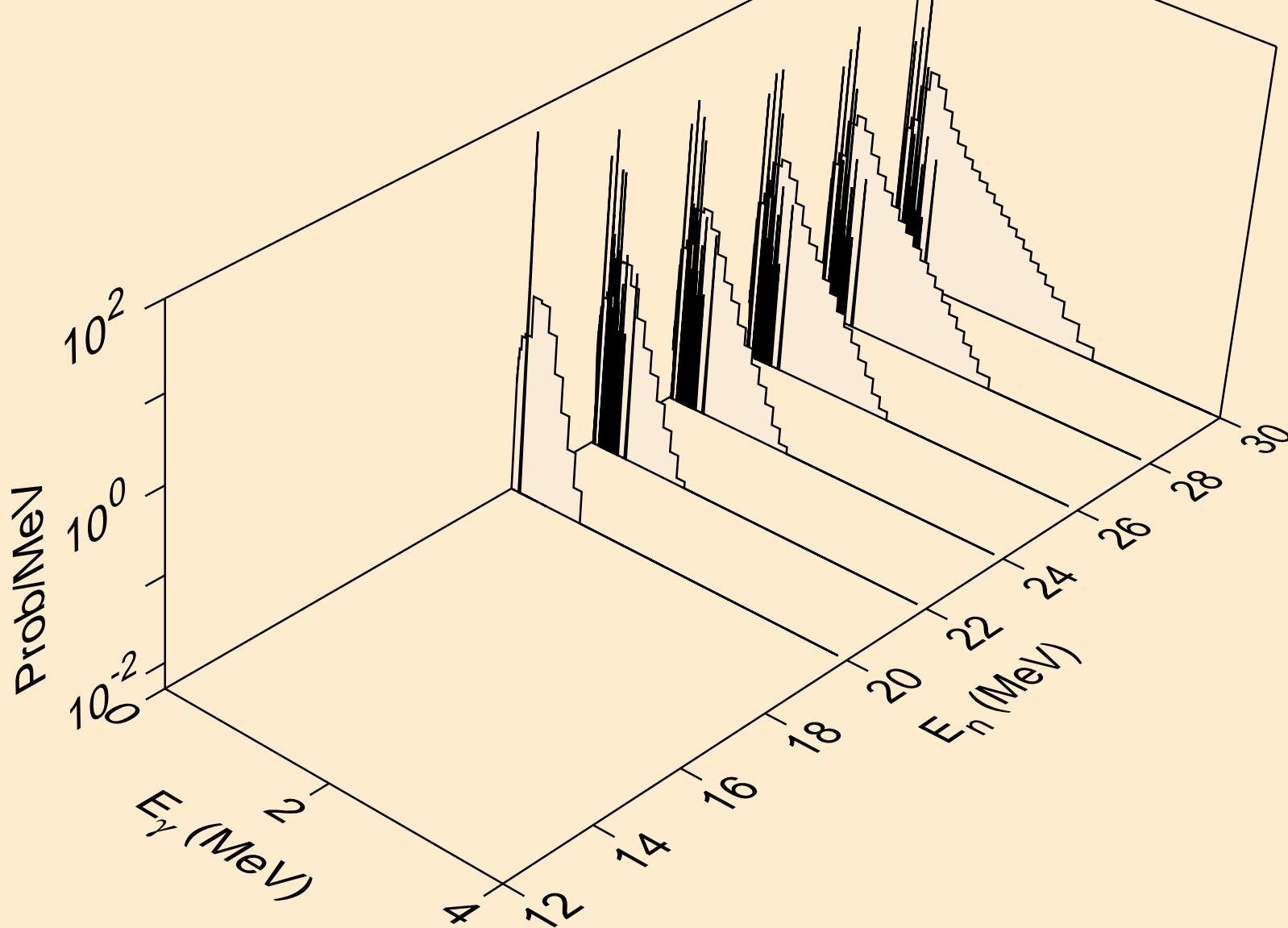
HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,p)



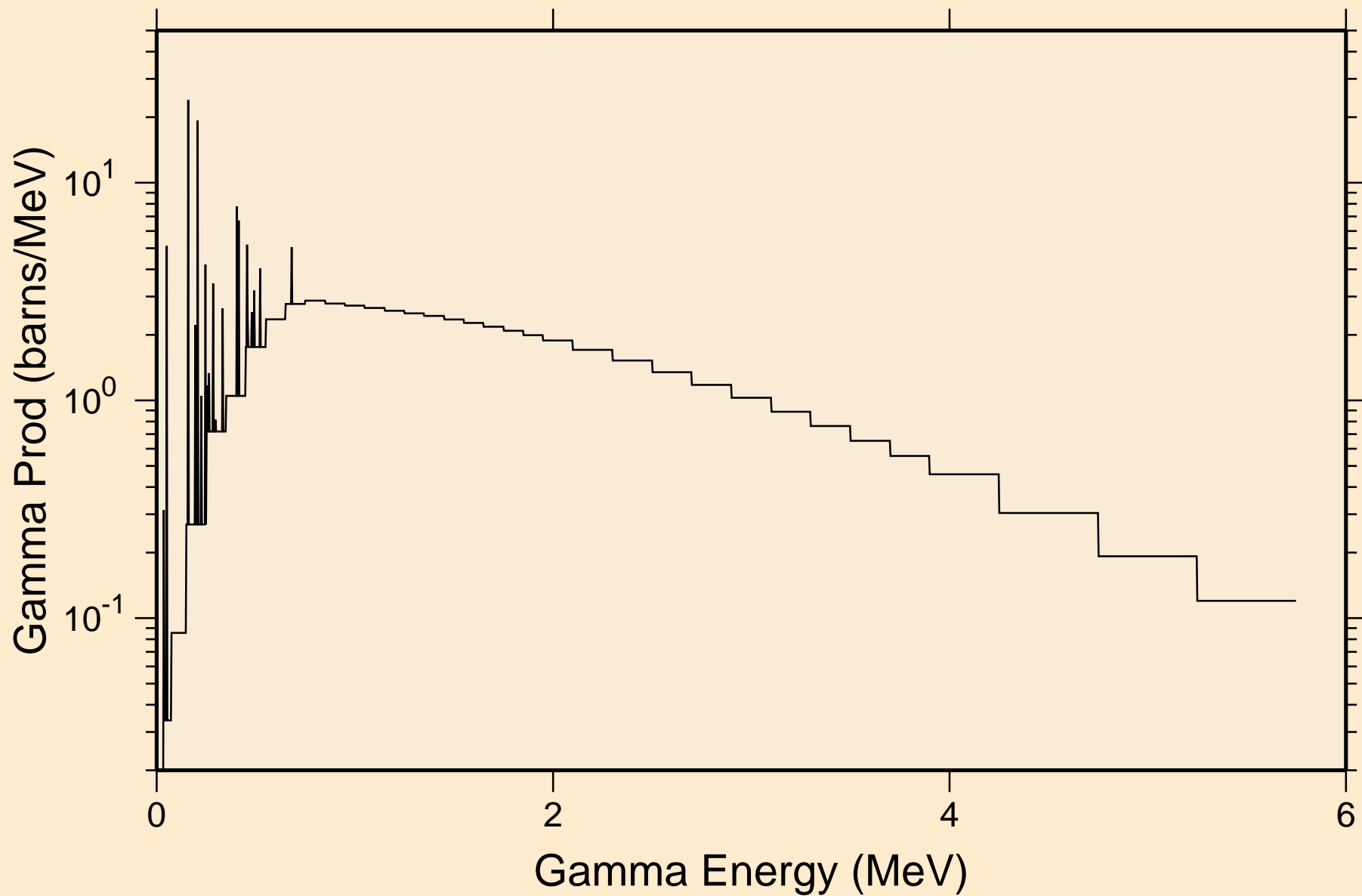
HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,pd)



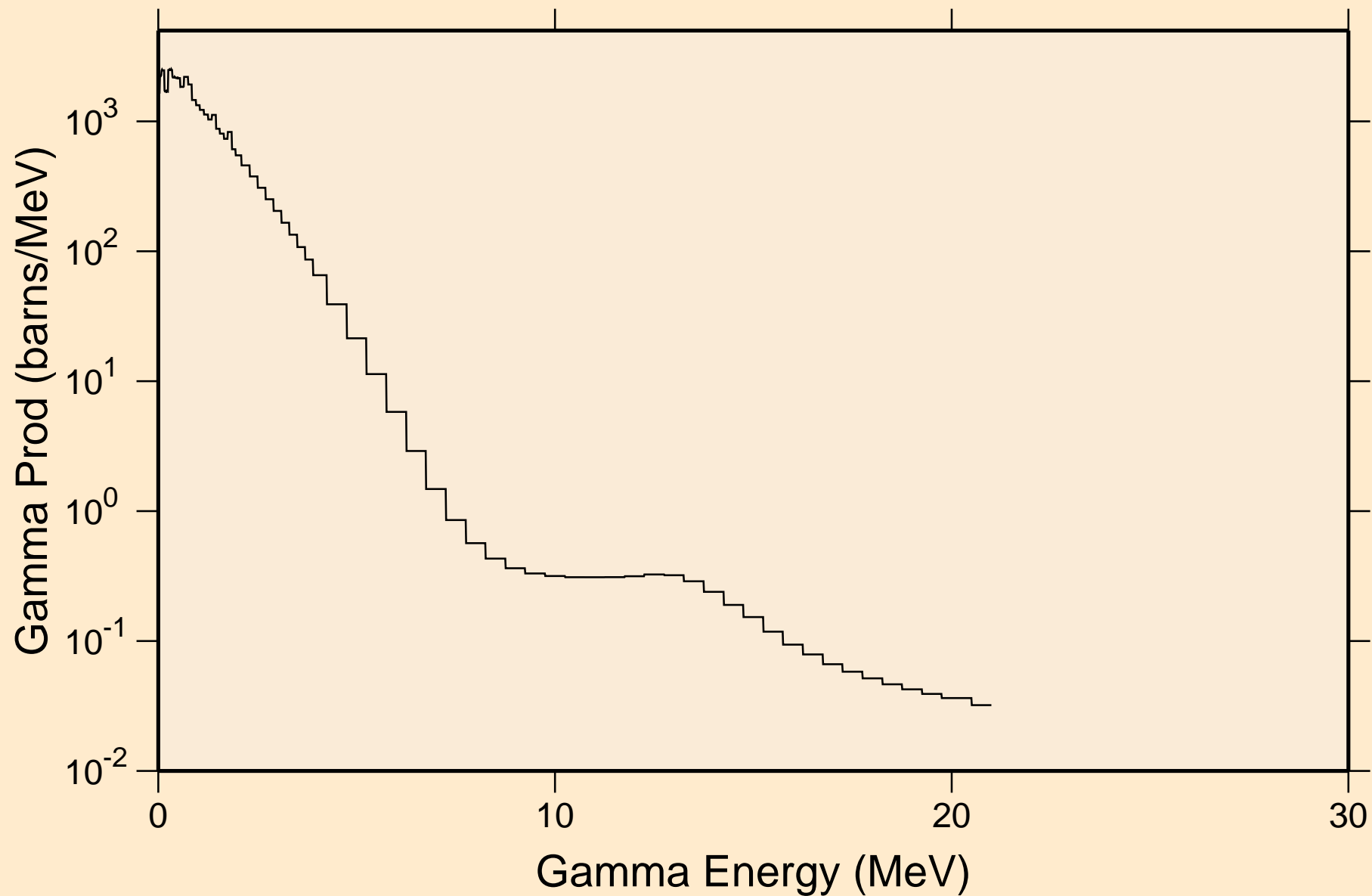
HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,pt)



HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
thermal capture photon spectrum

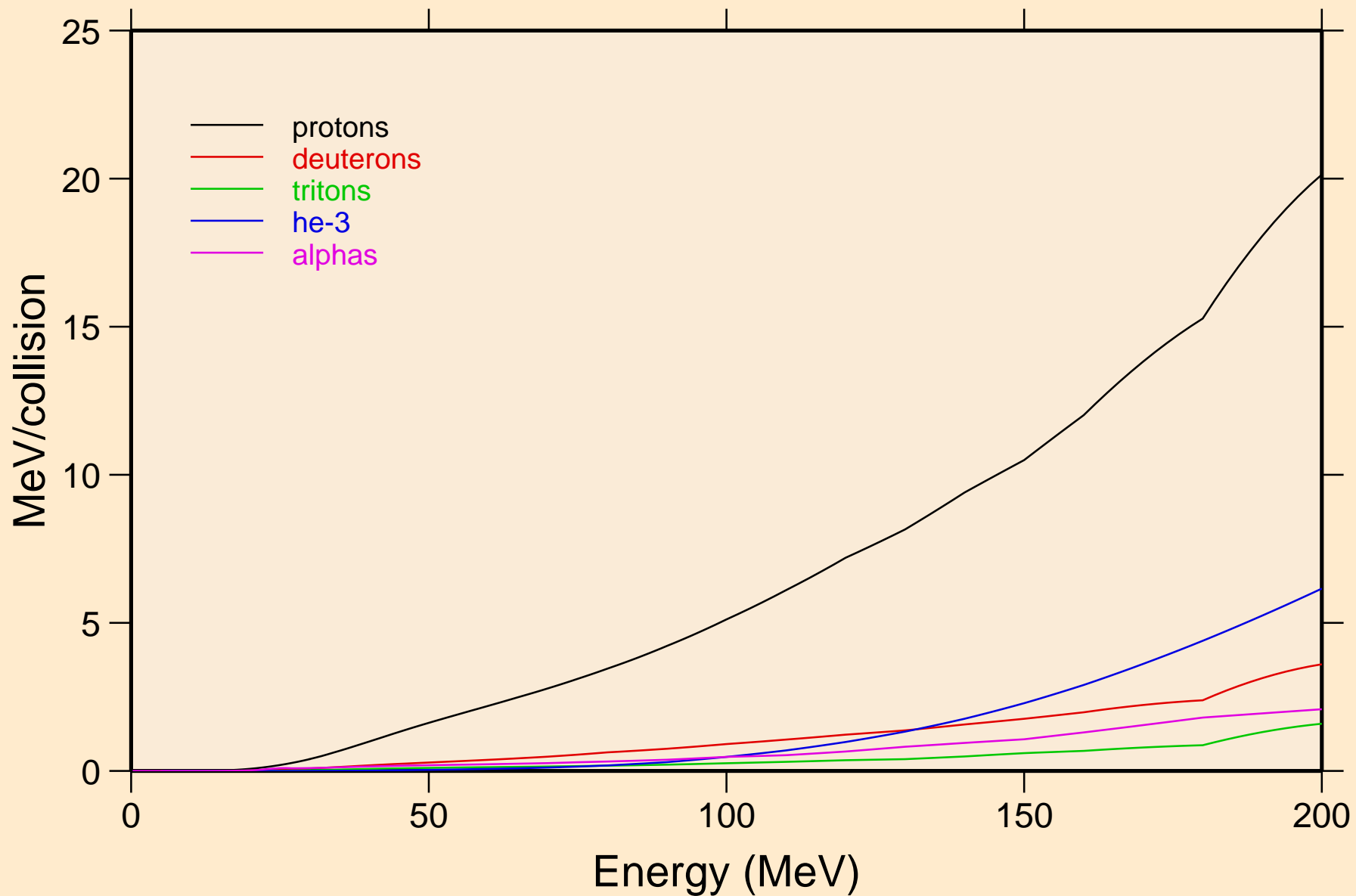


HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
14 MeV photon spectrum

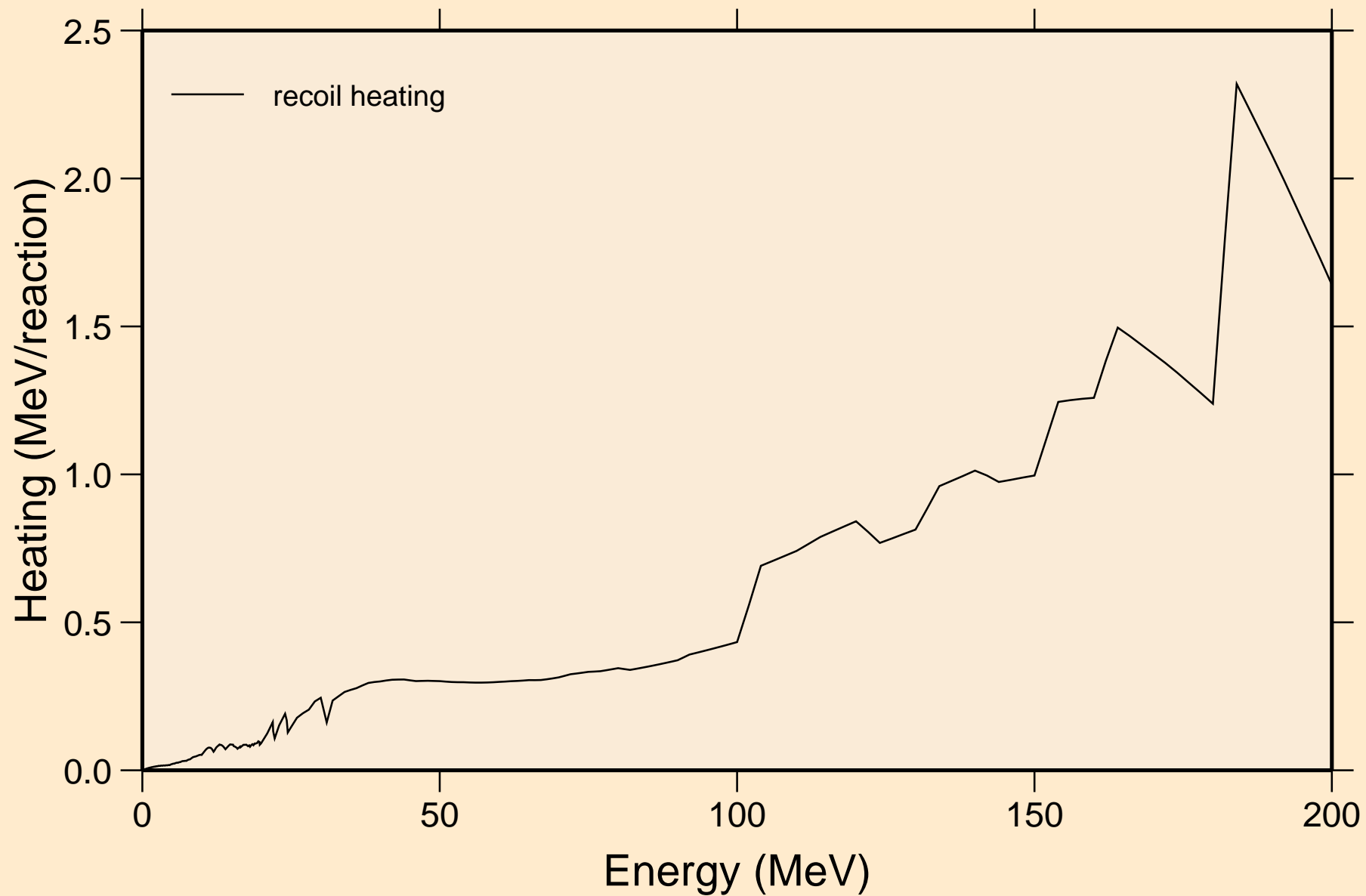


# HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

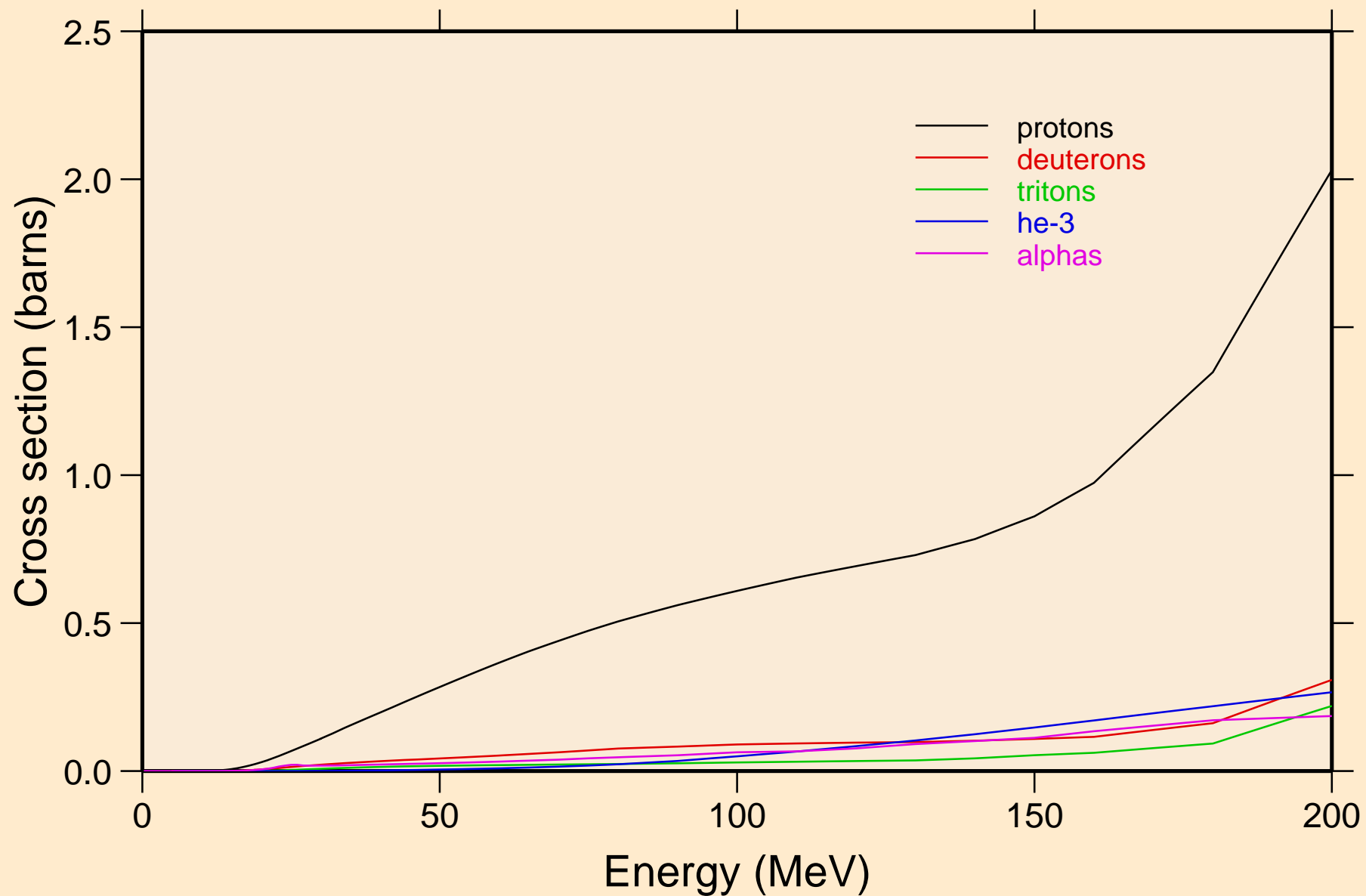
## Particle heating contributions



HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Recoil Heating

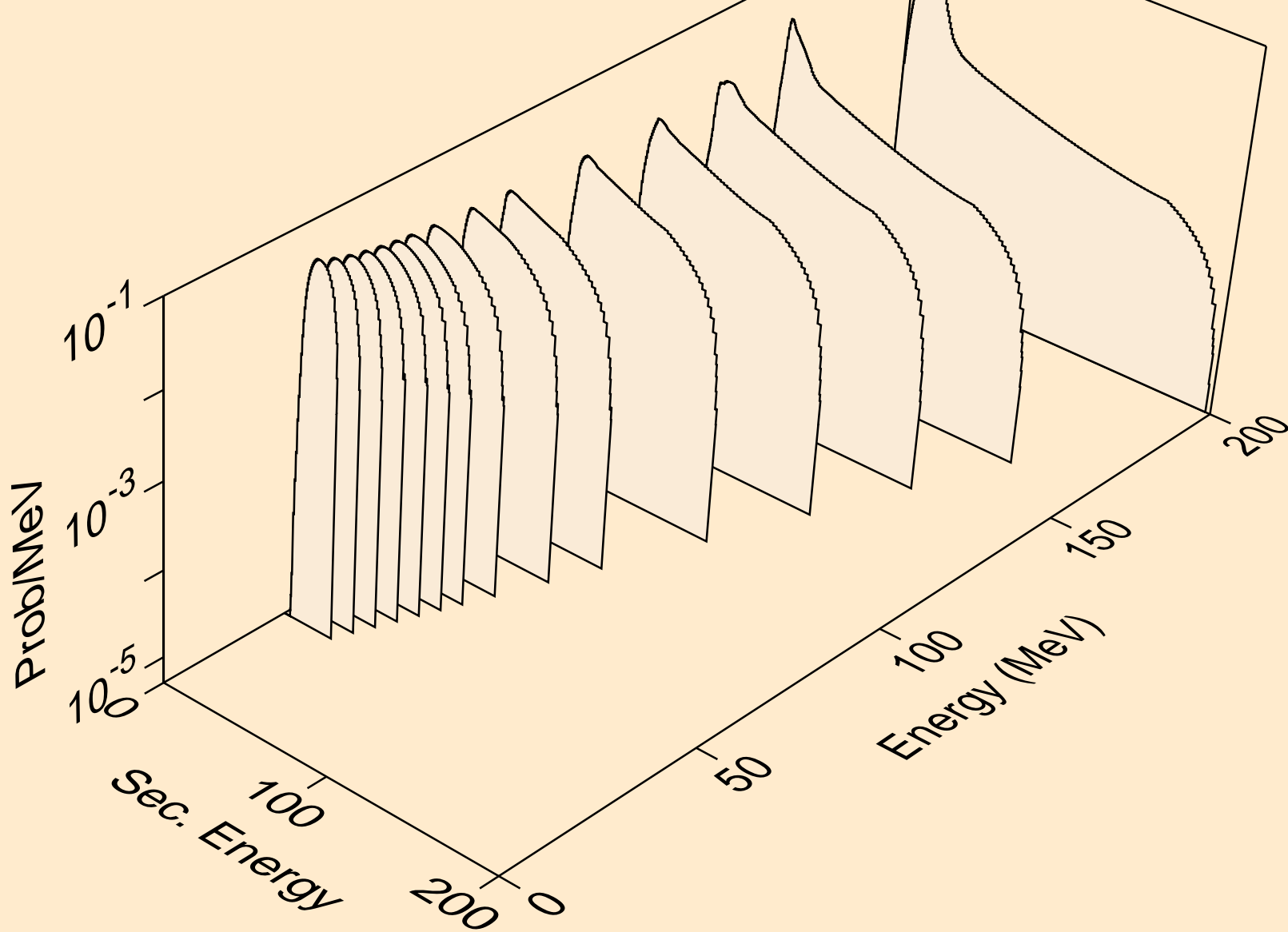


HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Particle production cross sections

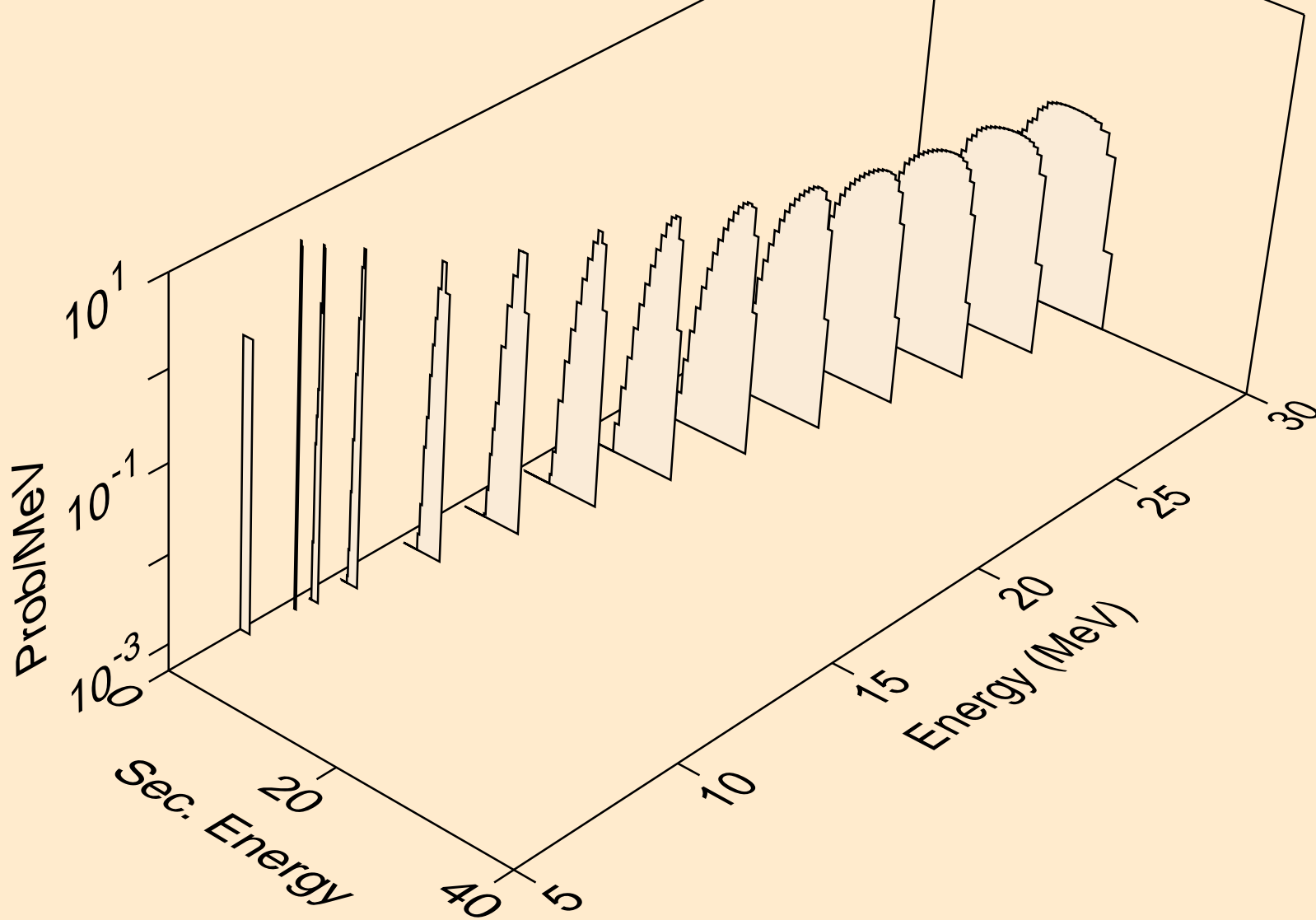




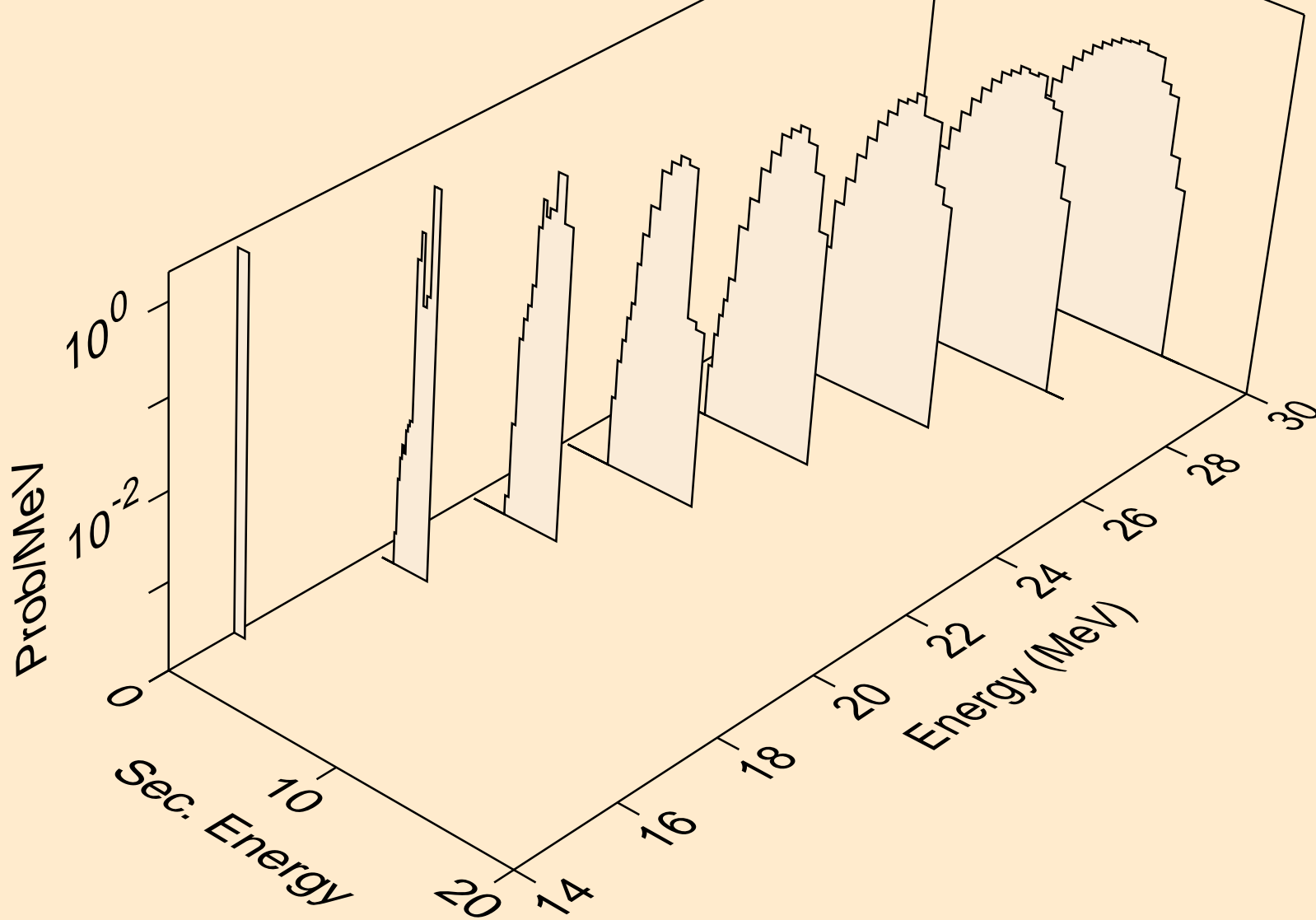
HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,x)



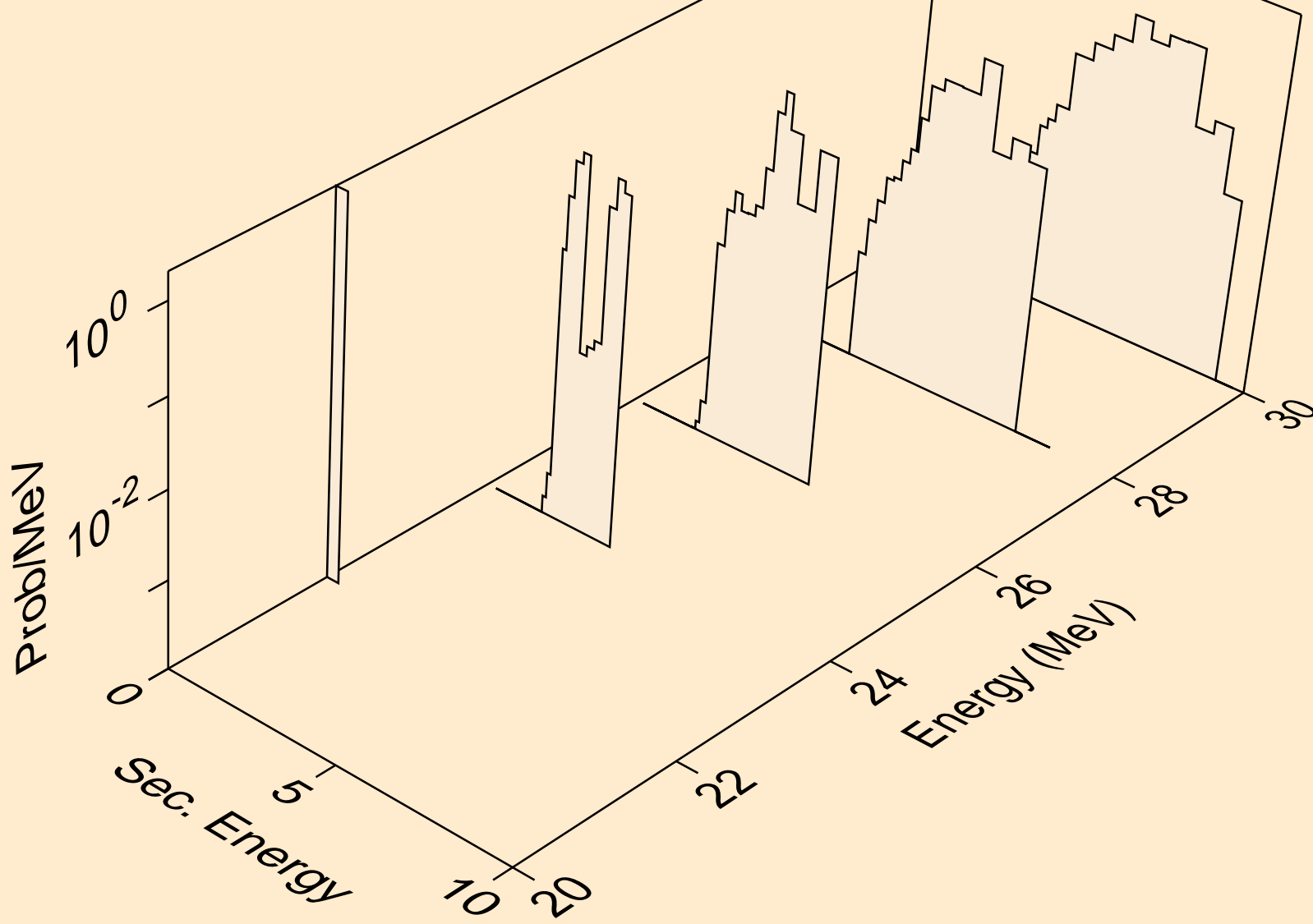
HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,n\*)p



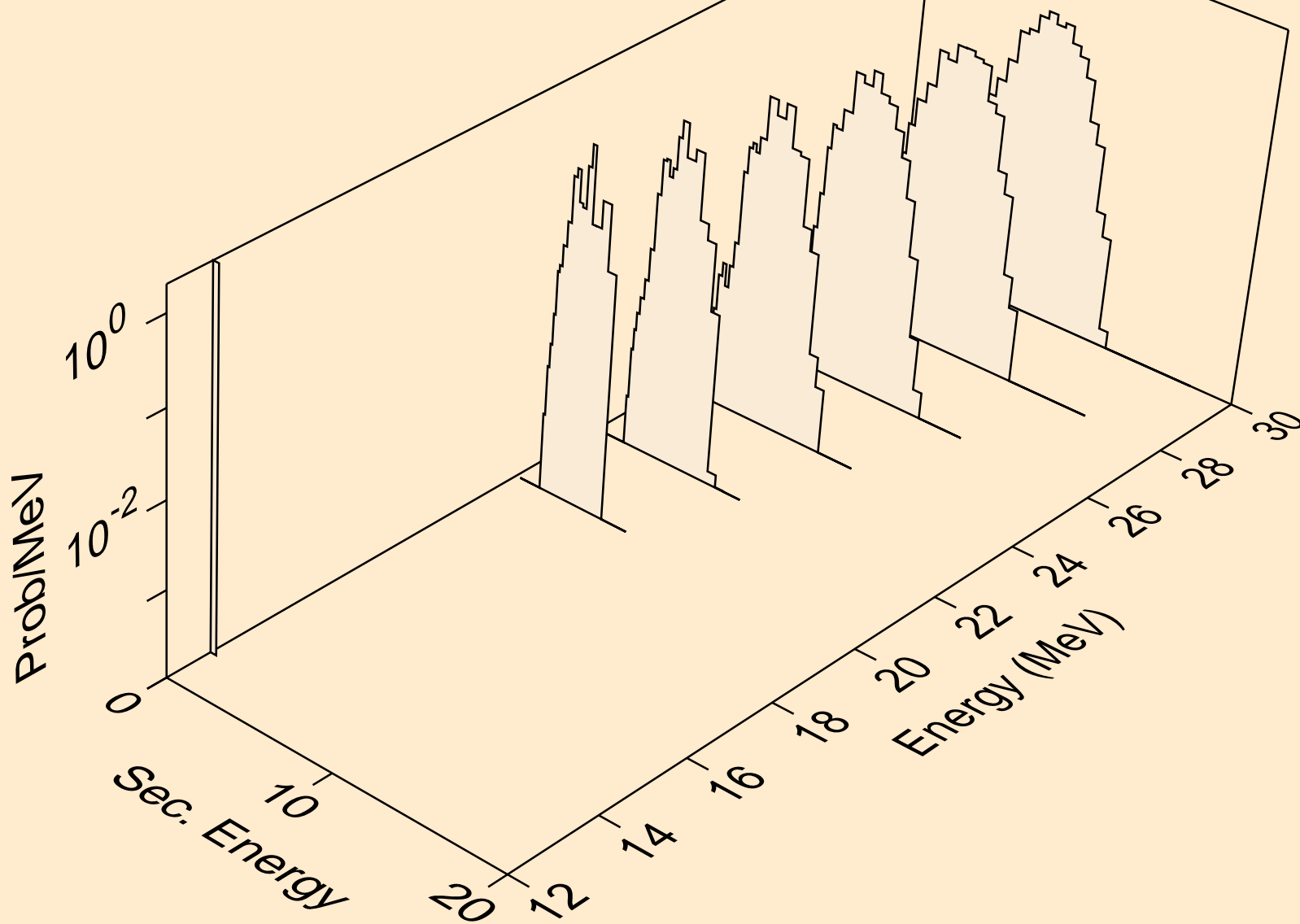
HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,2np)



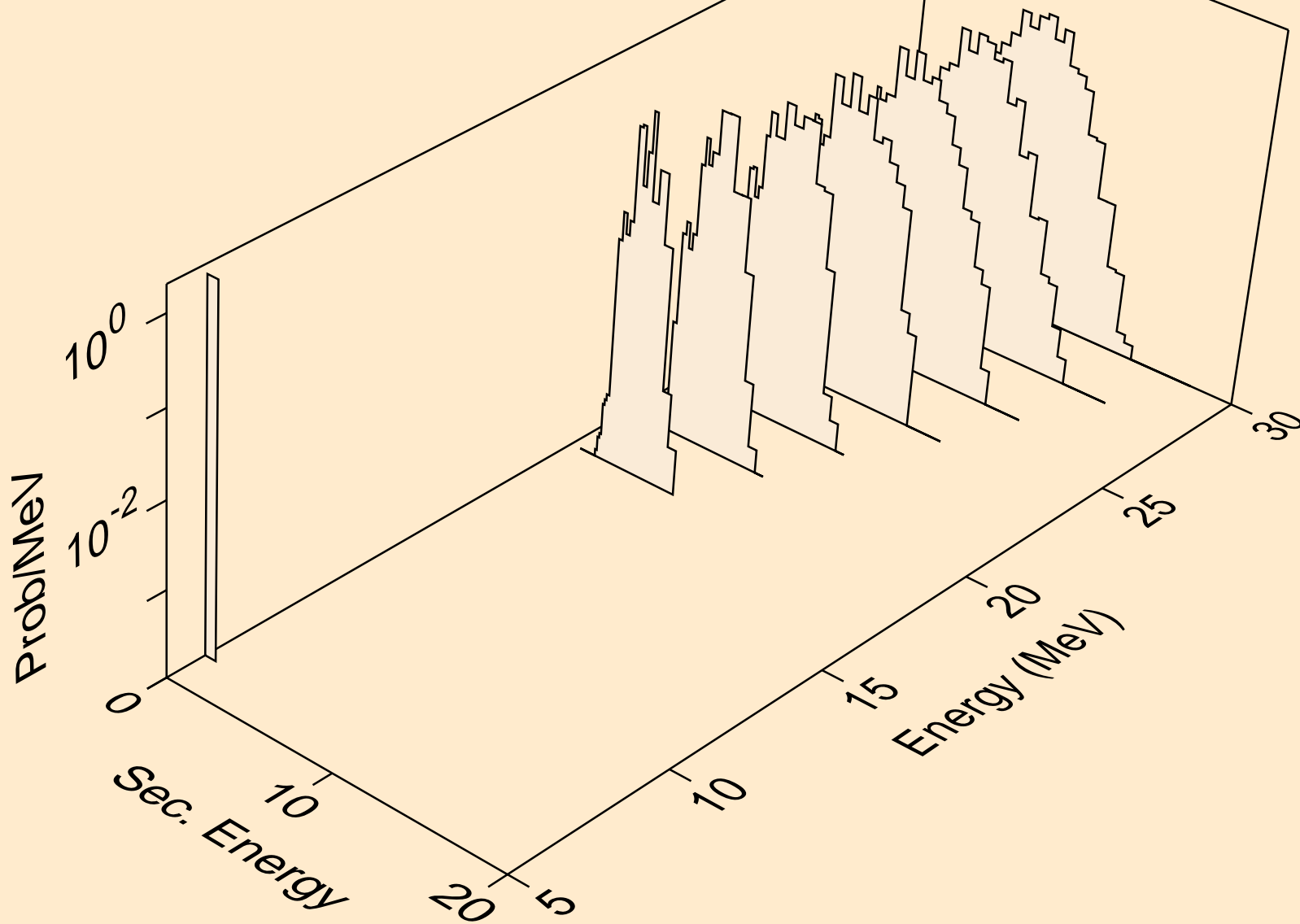
HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,3np)



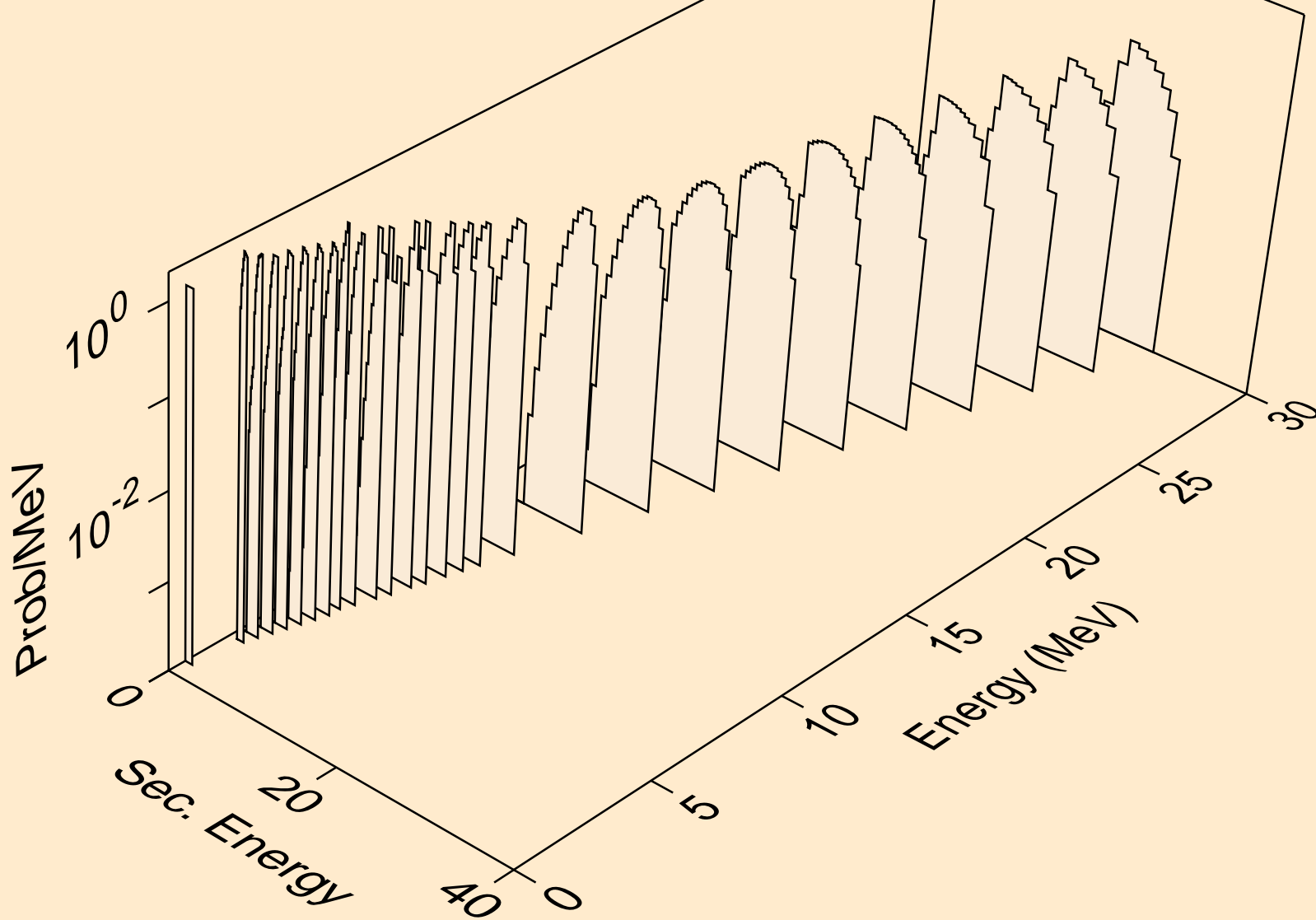
HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,2np)



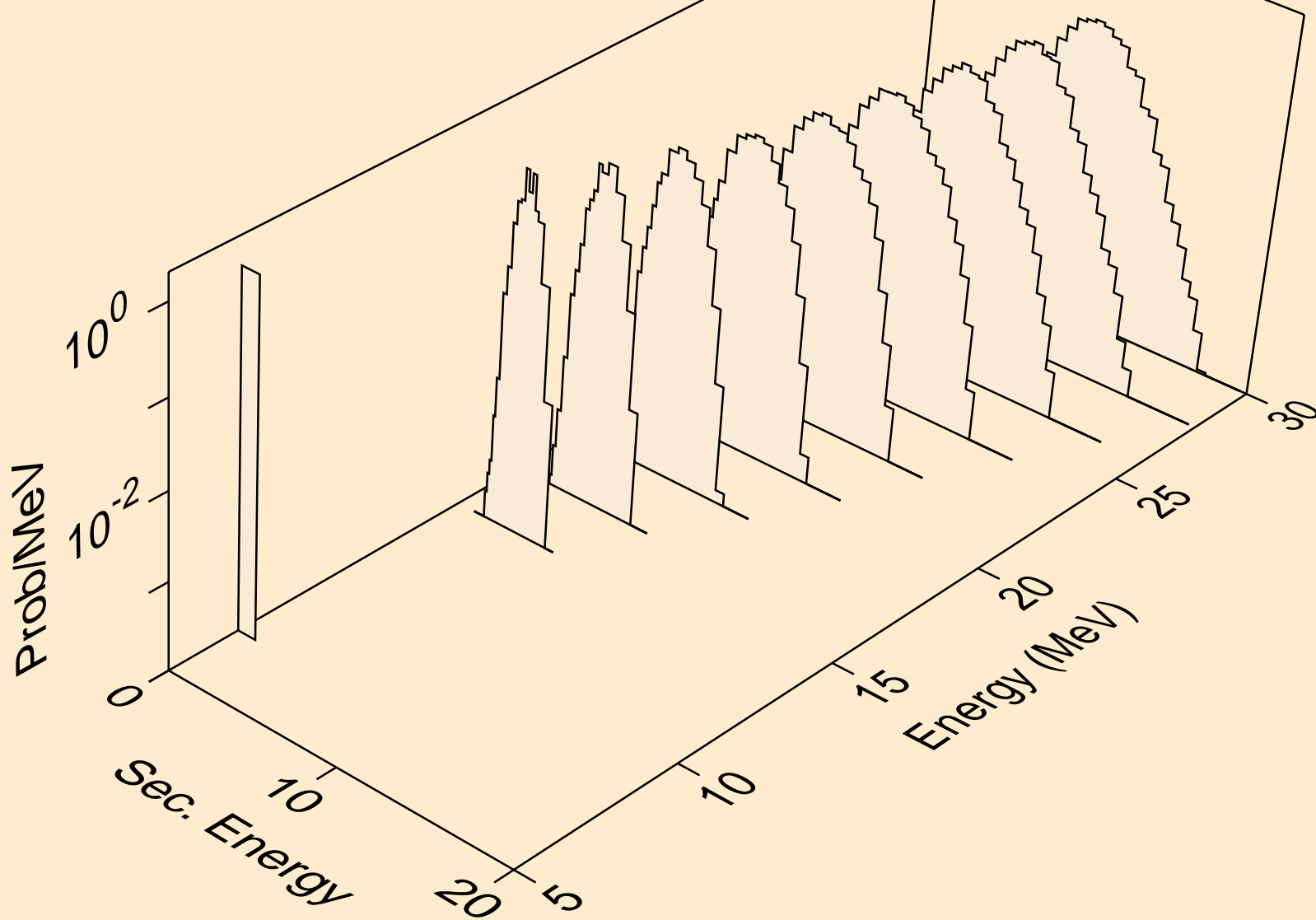
HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,npa)



HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,p)

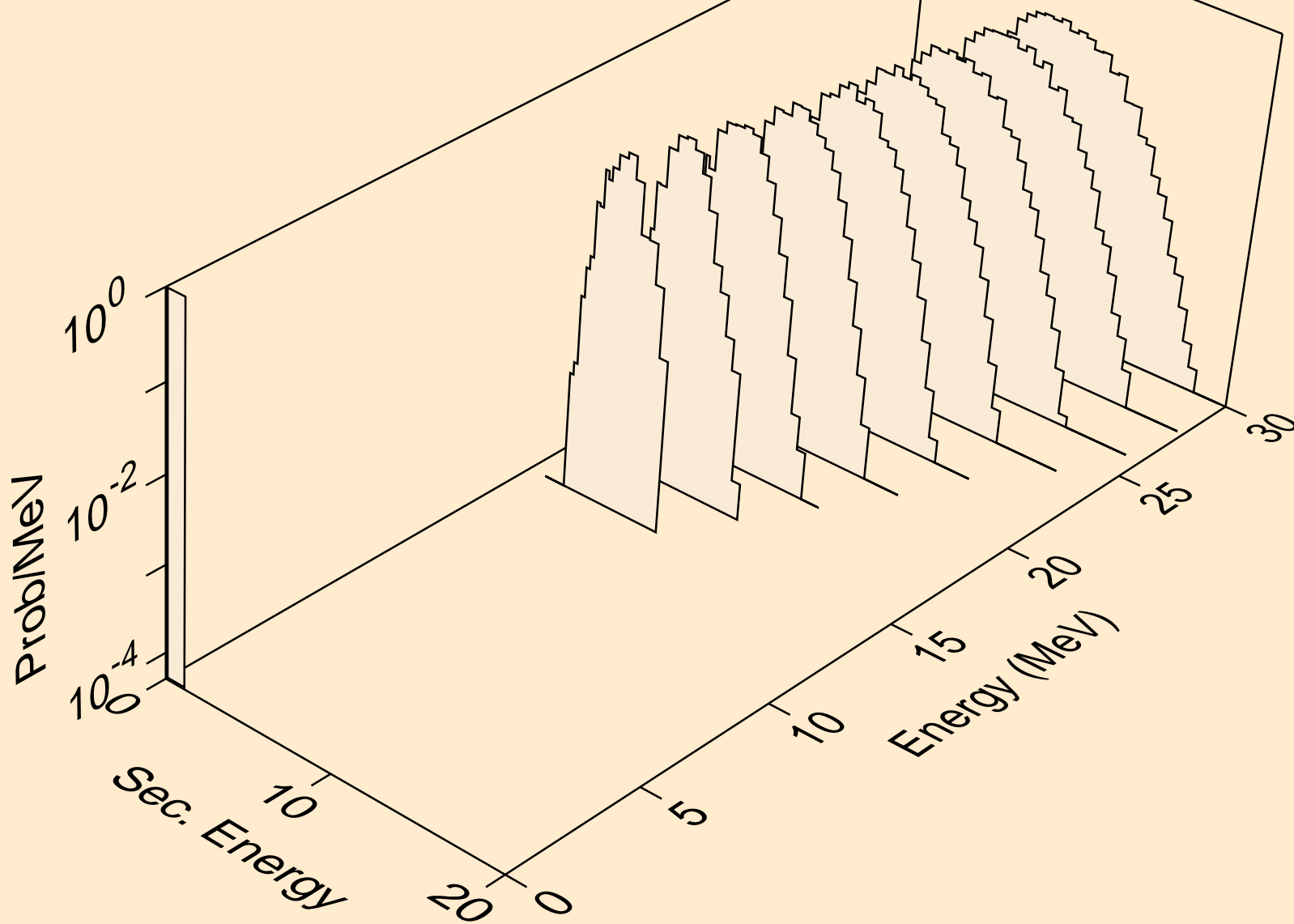


HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,2p)

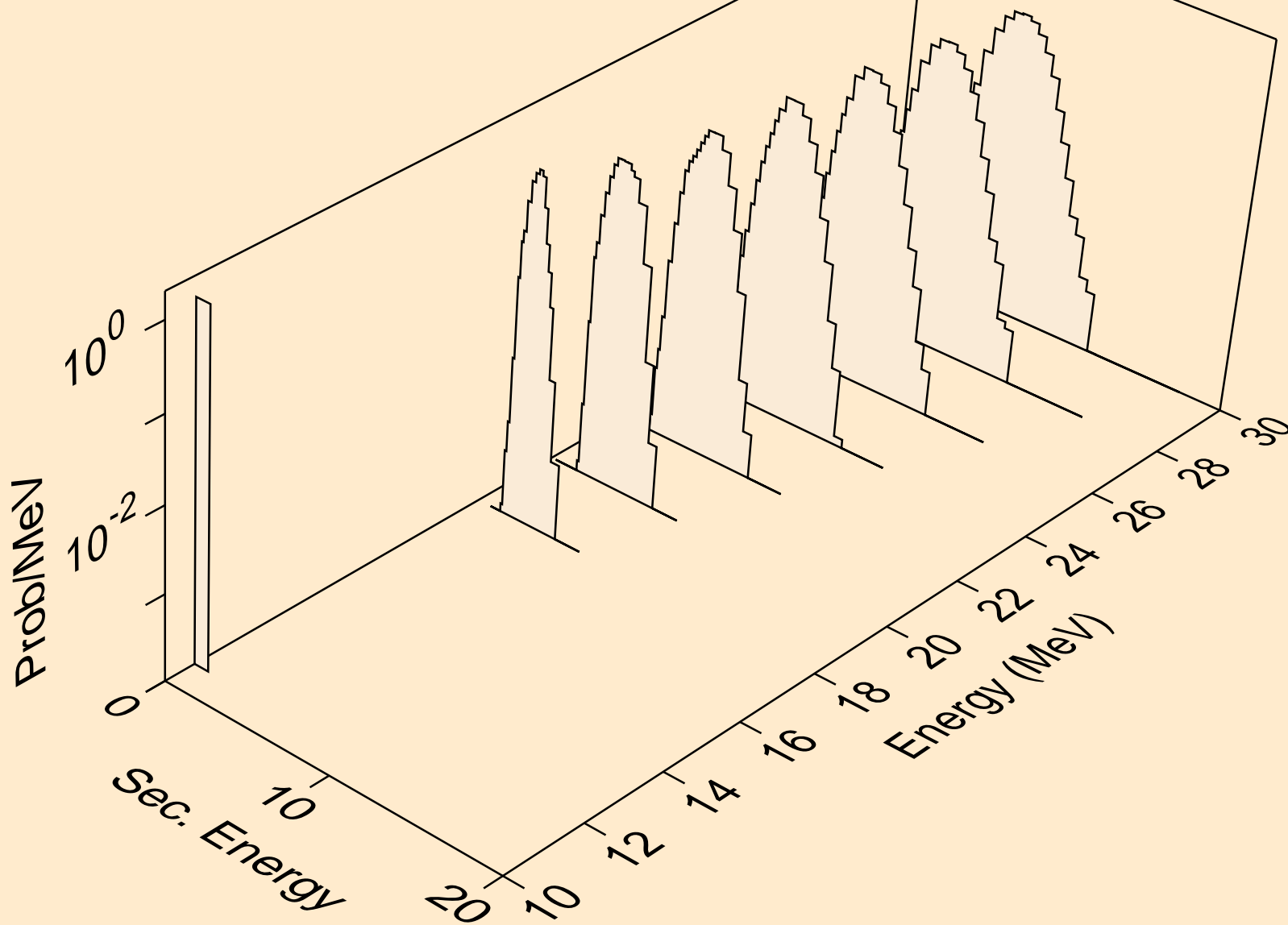




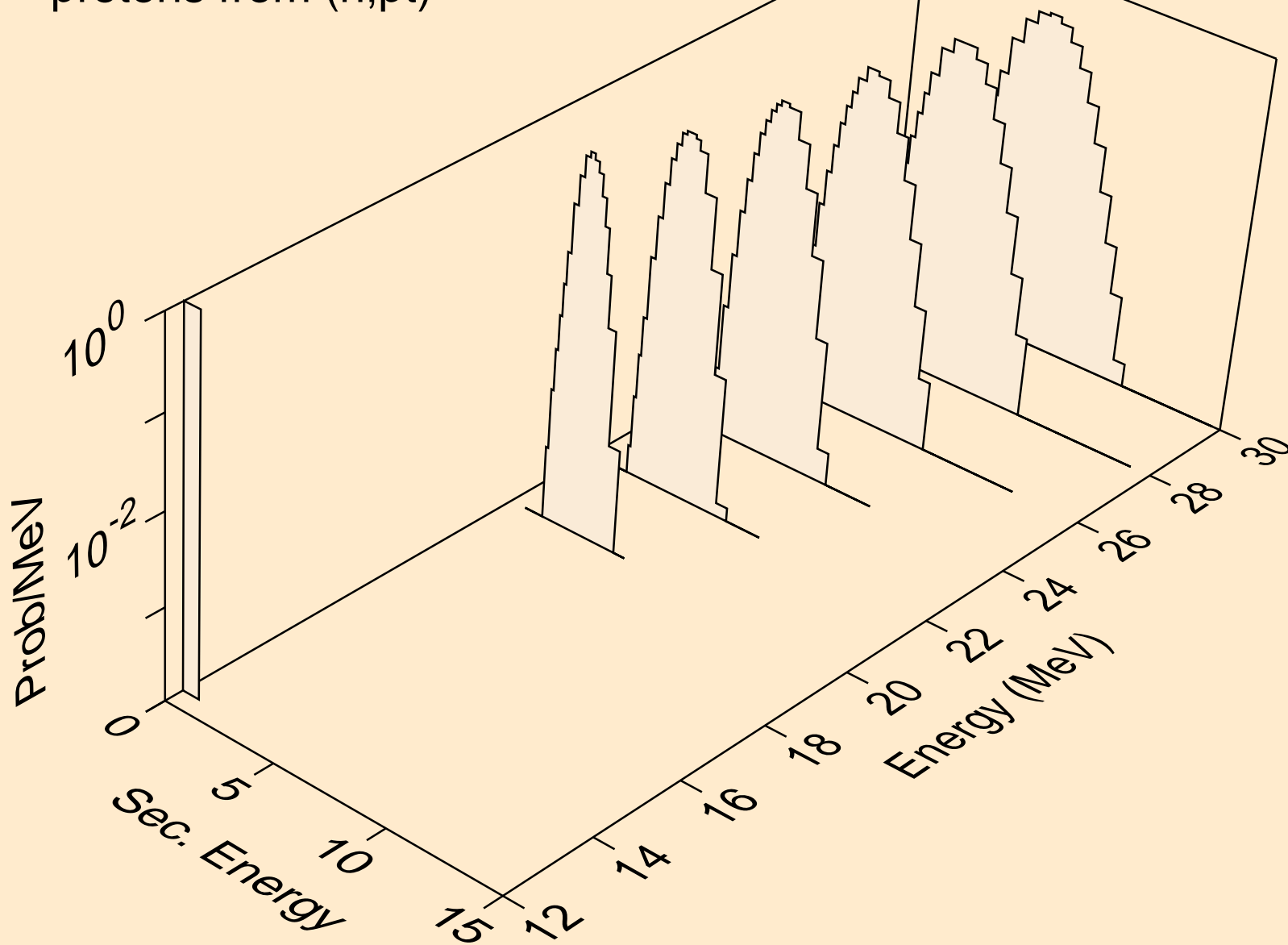
HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,p)



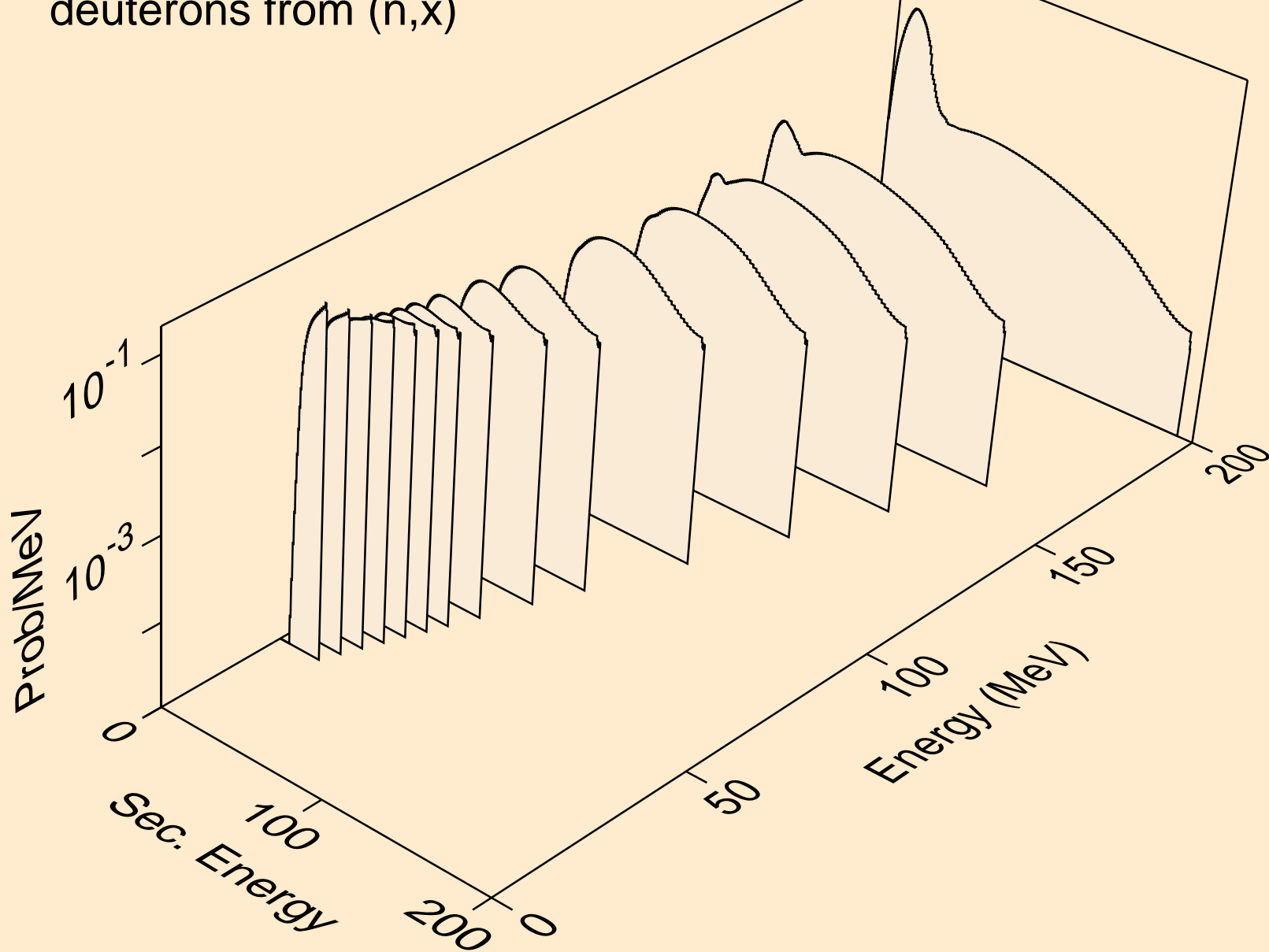
HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,pd)



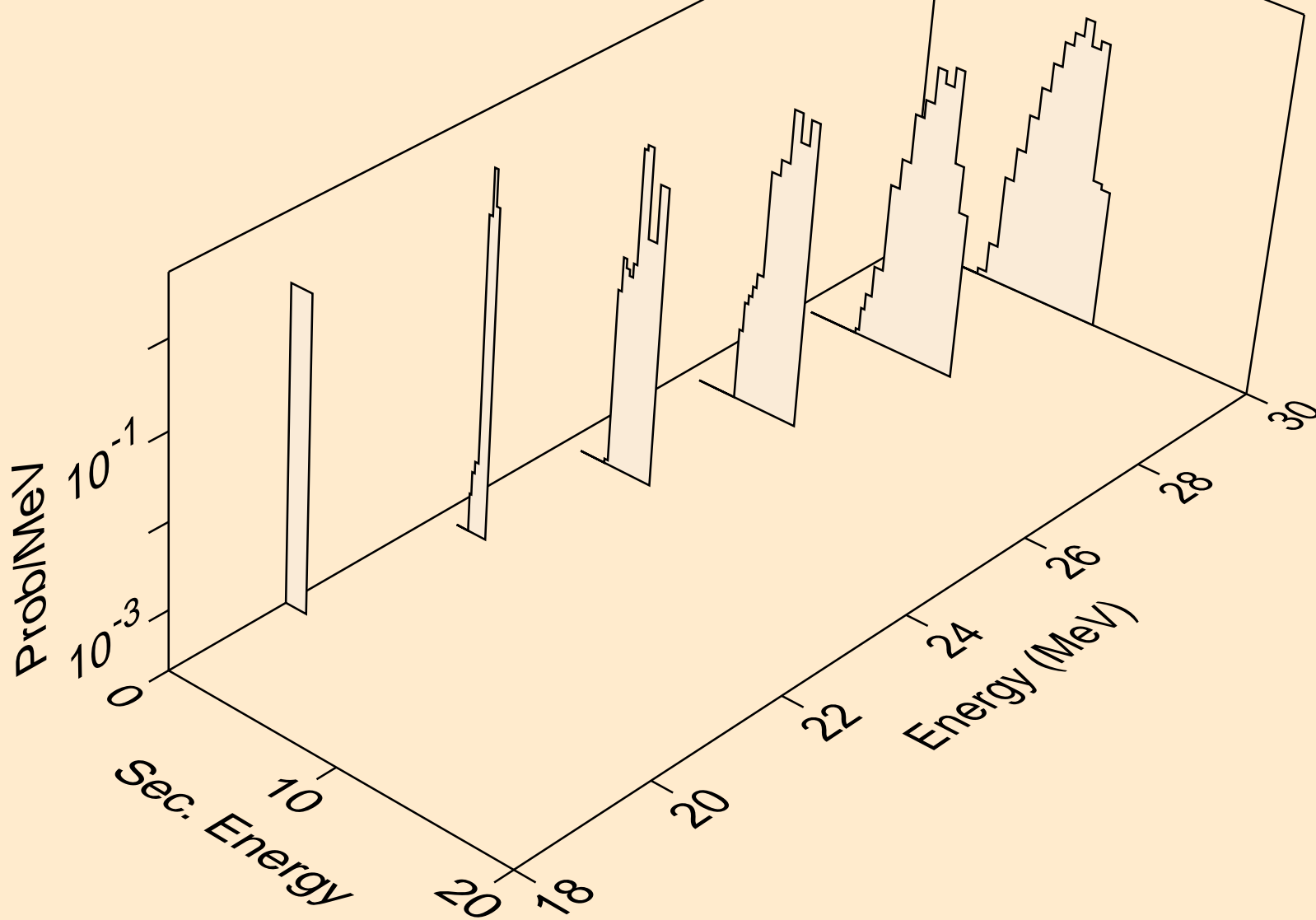
HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,pt)



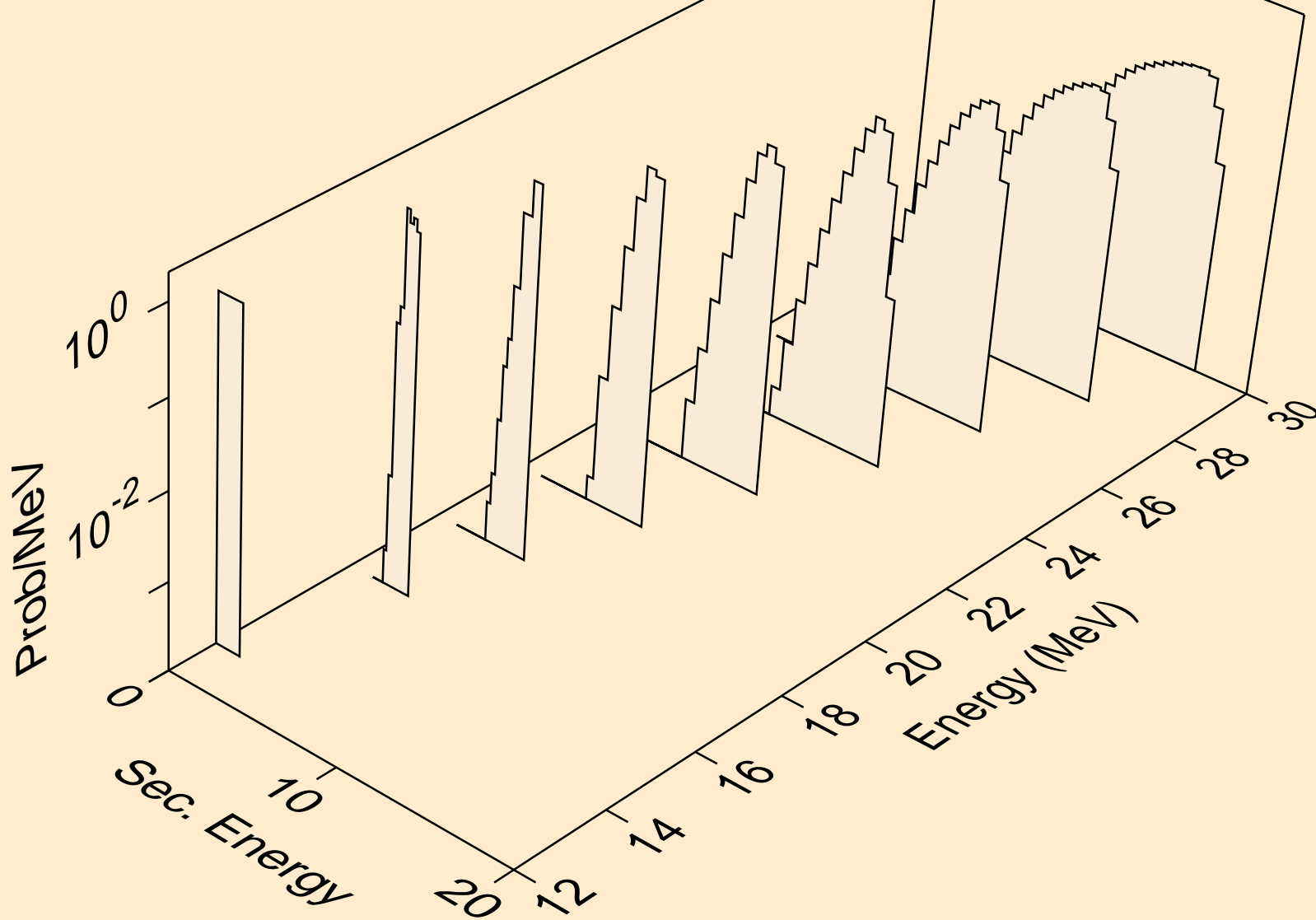
HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,x)



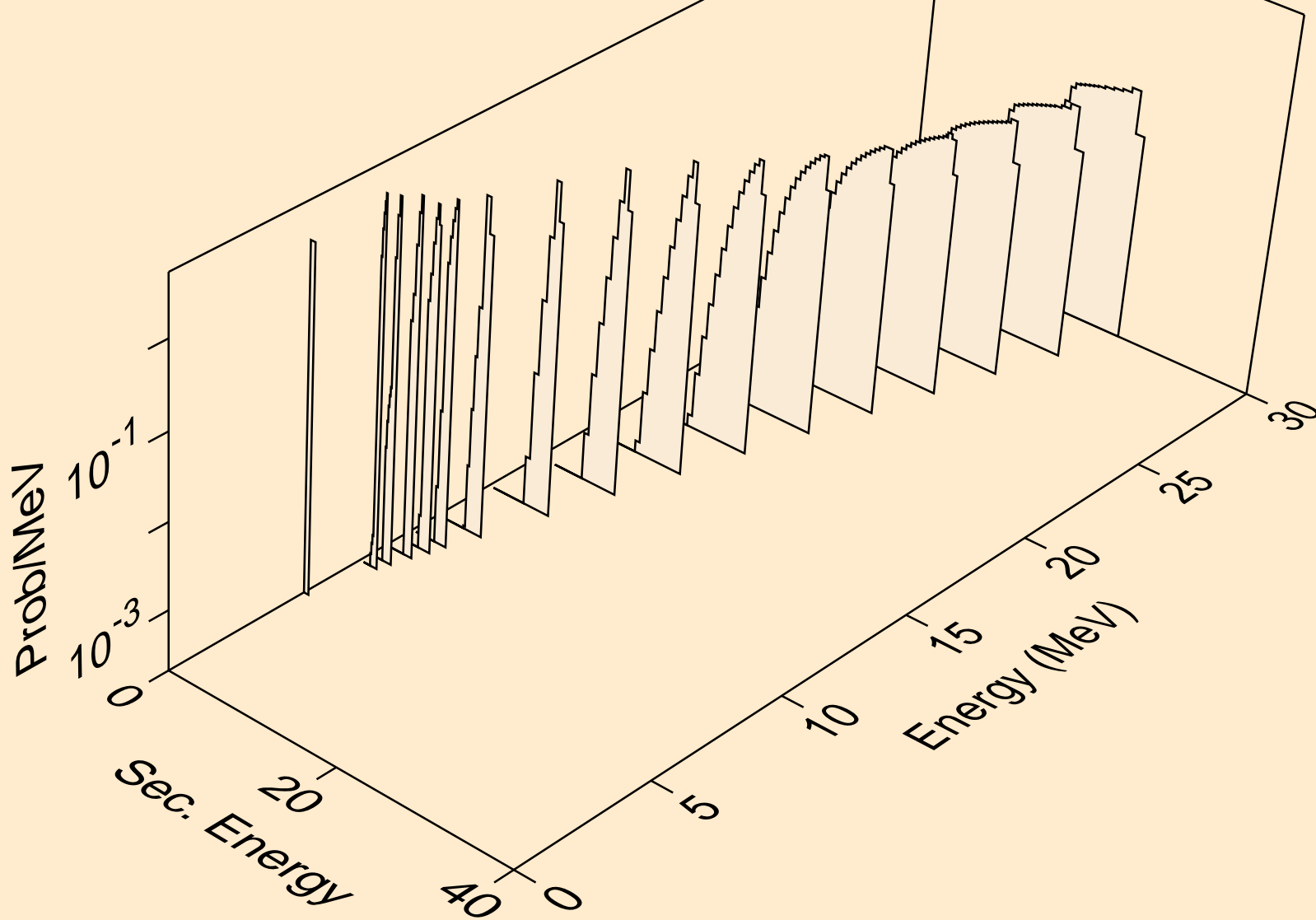
HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,2nd)



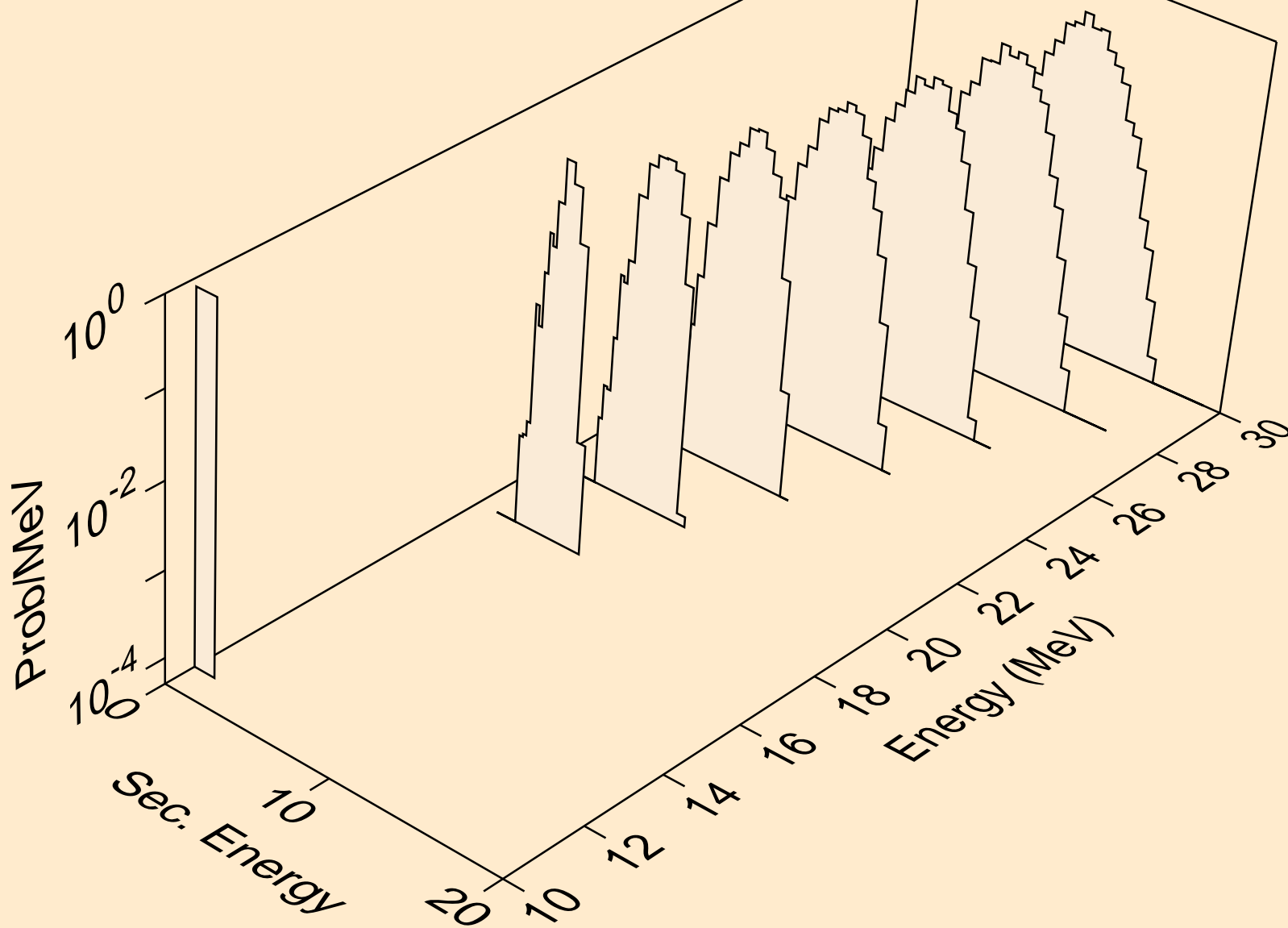
HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,n\*)d



HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,d)

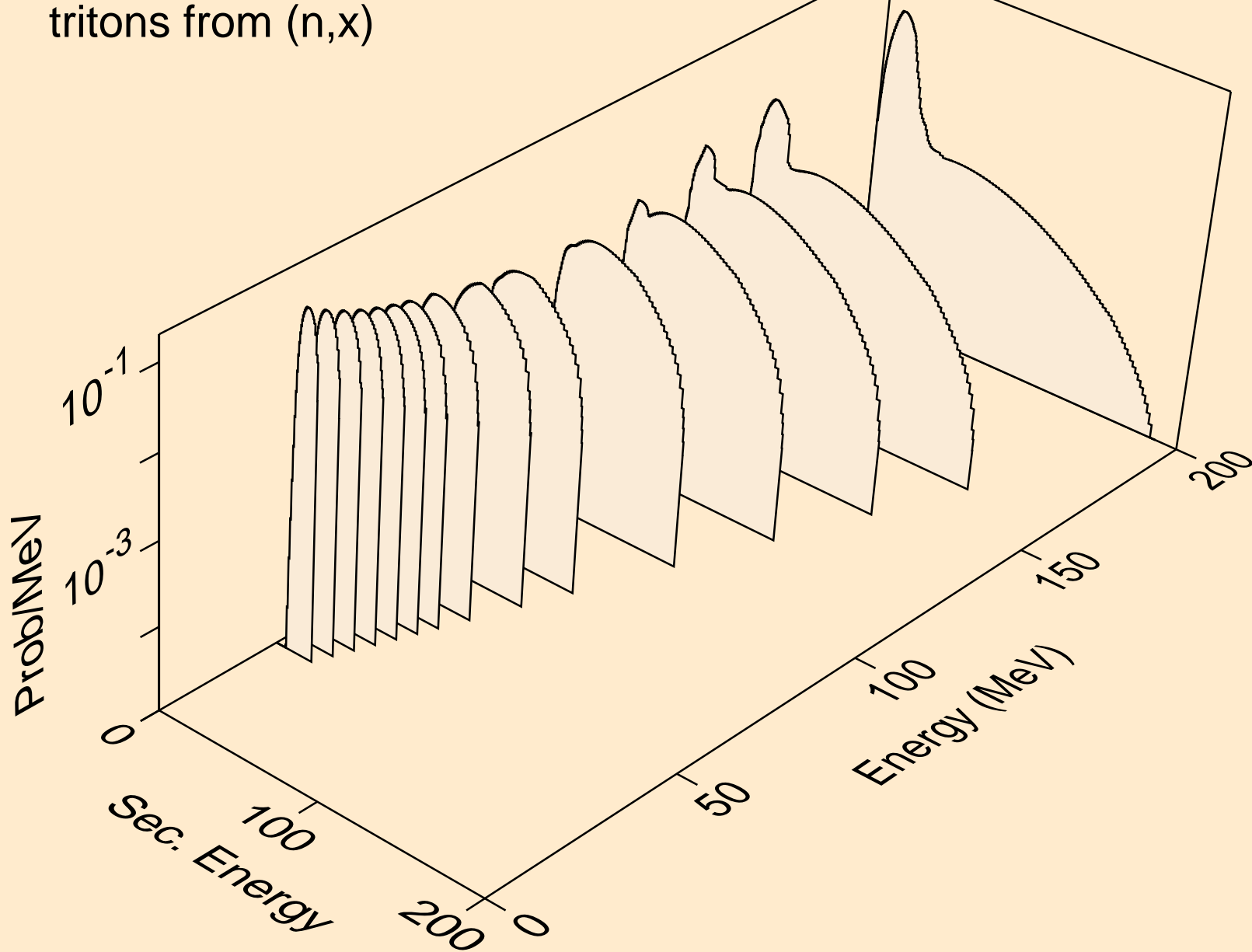


HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,pd)

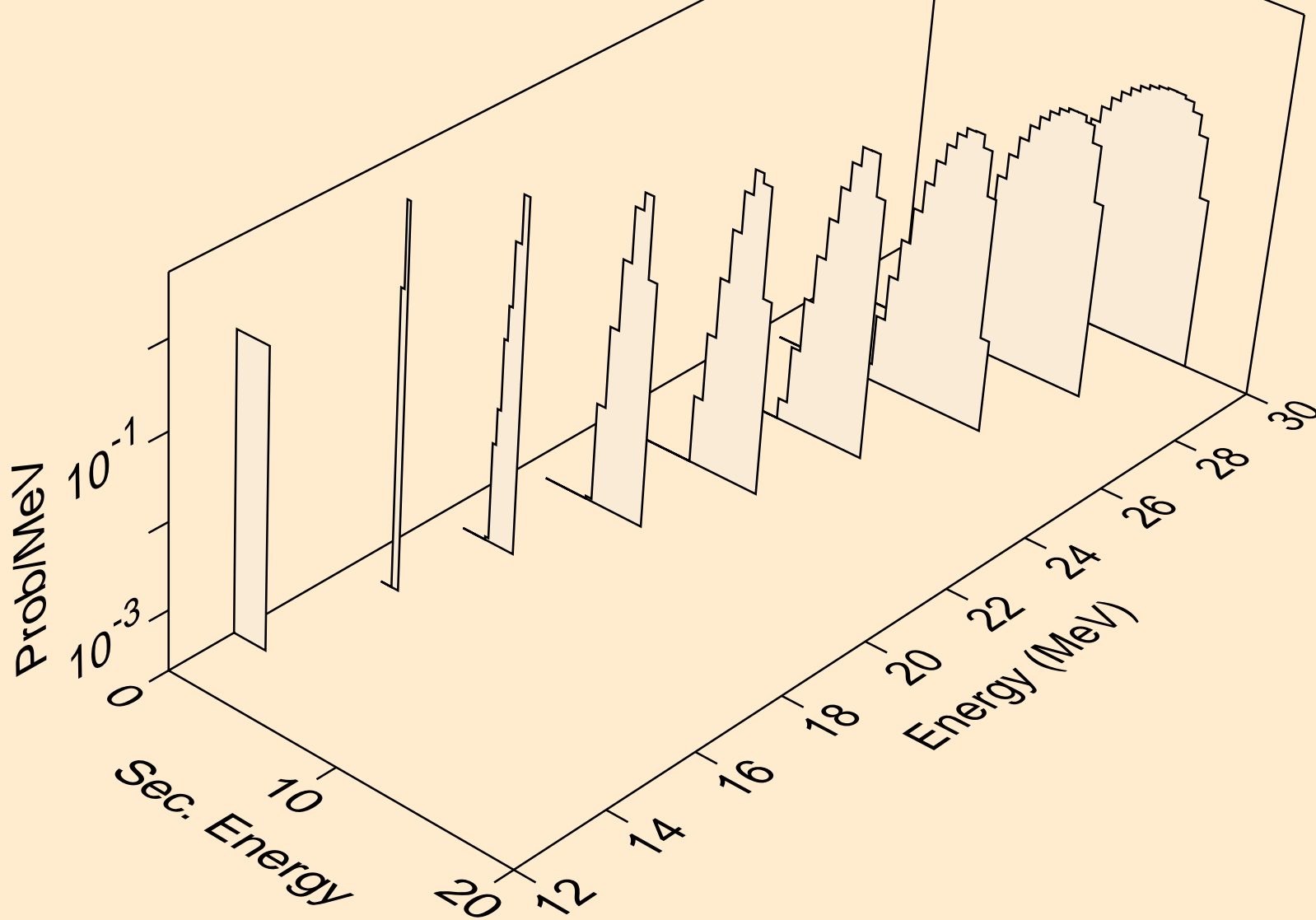




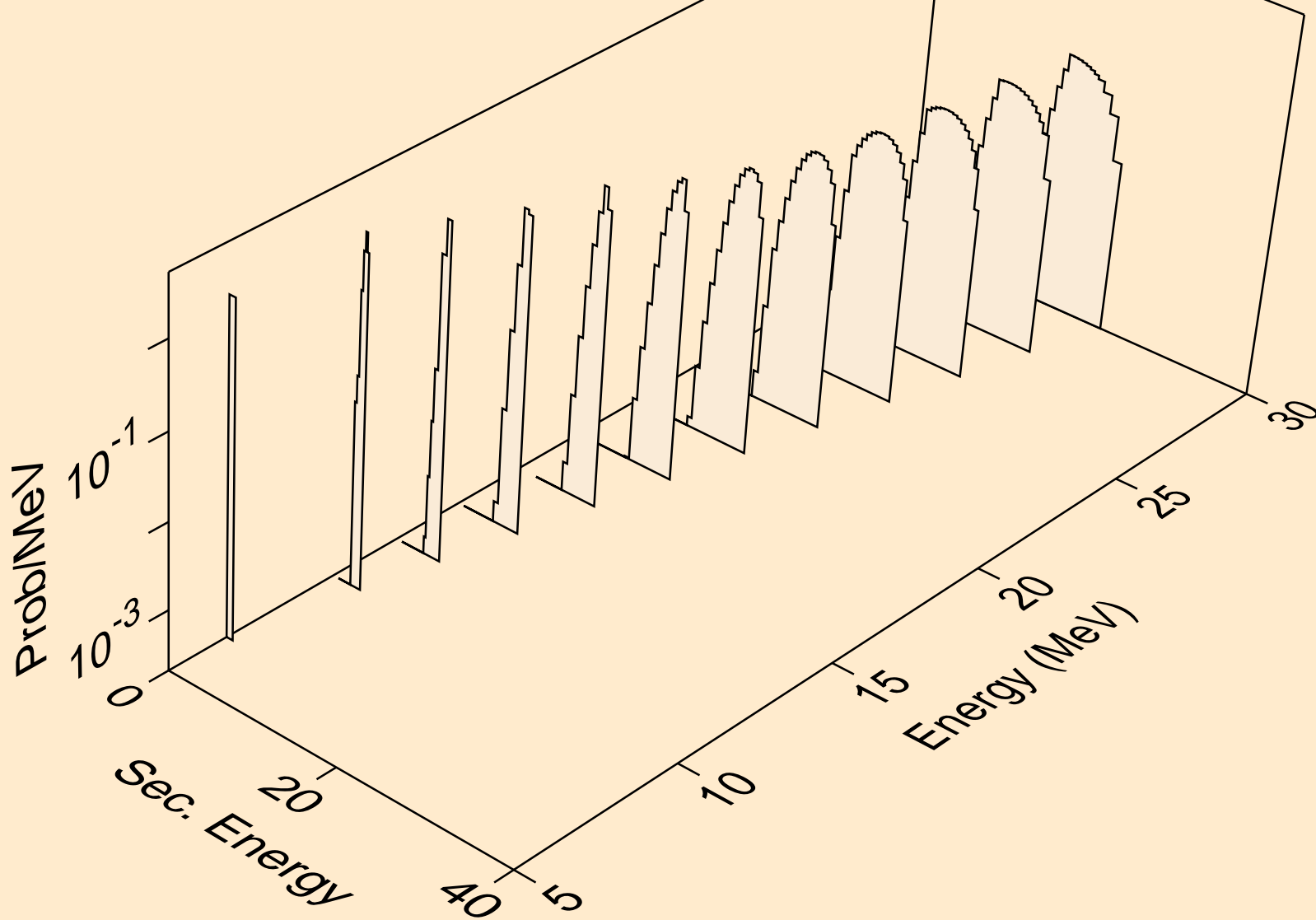
HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,x)



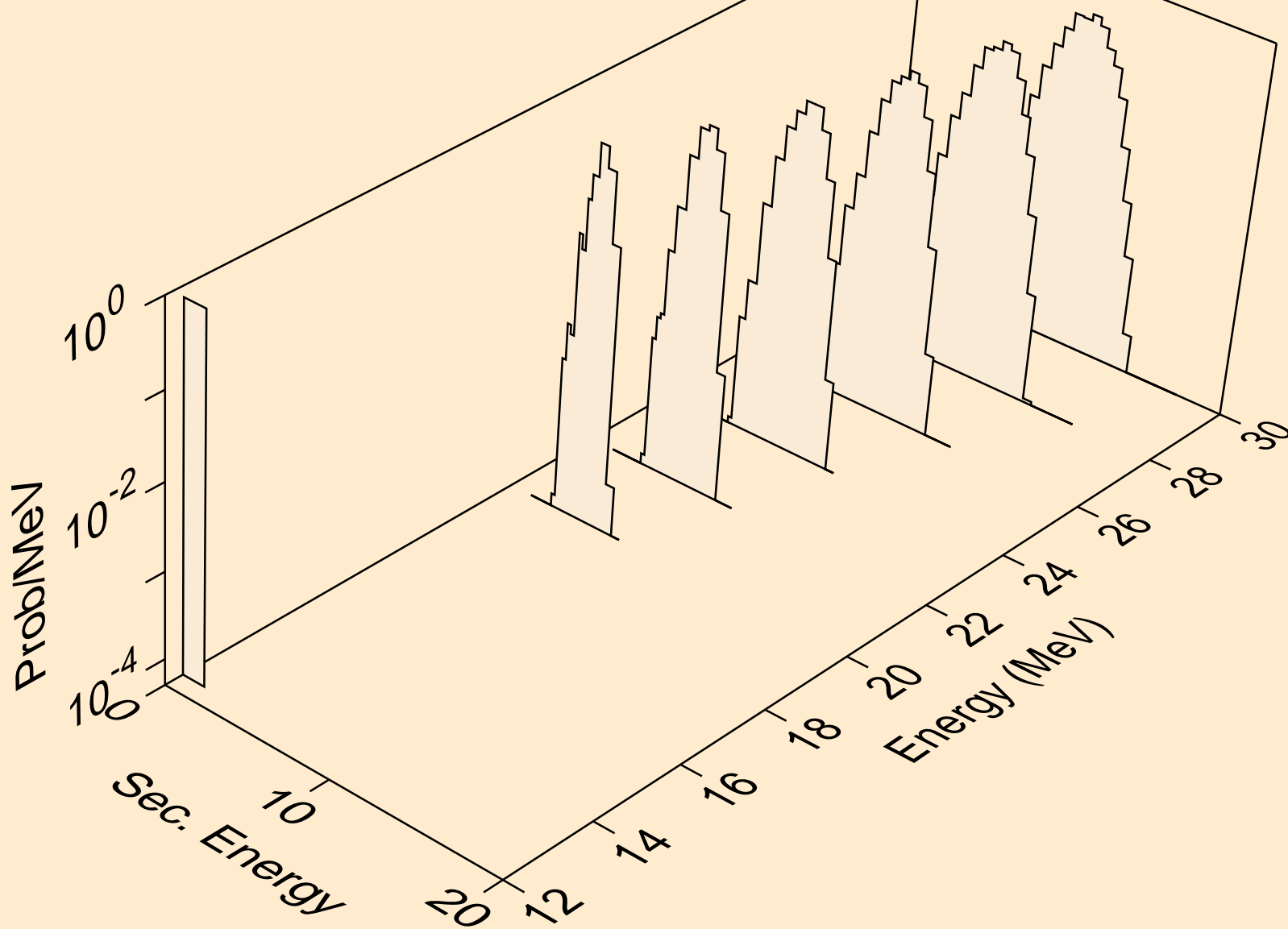
HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,n\*)t



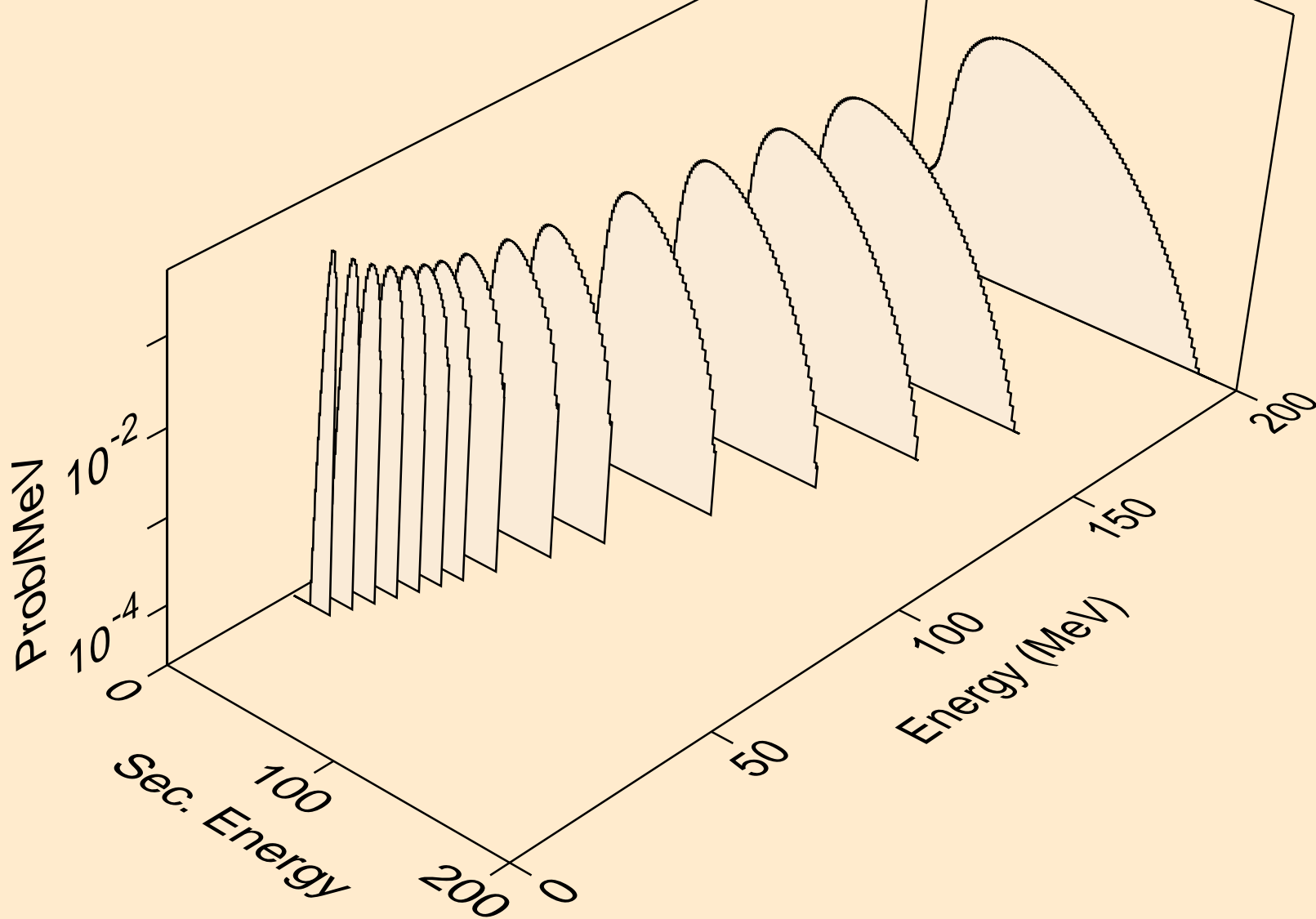
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tritons from (n,t)



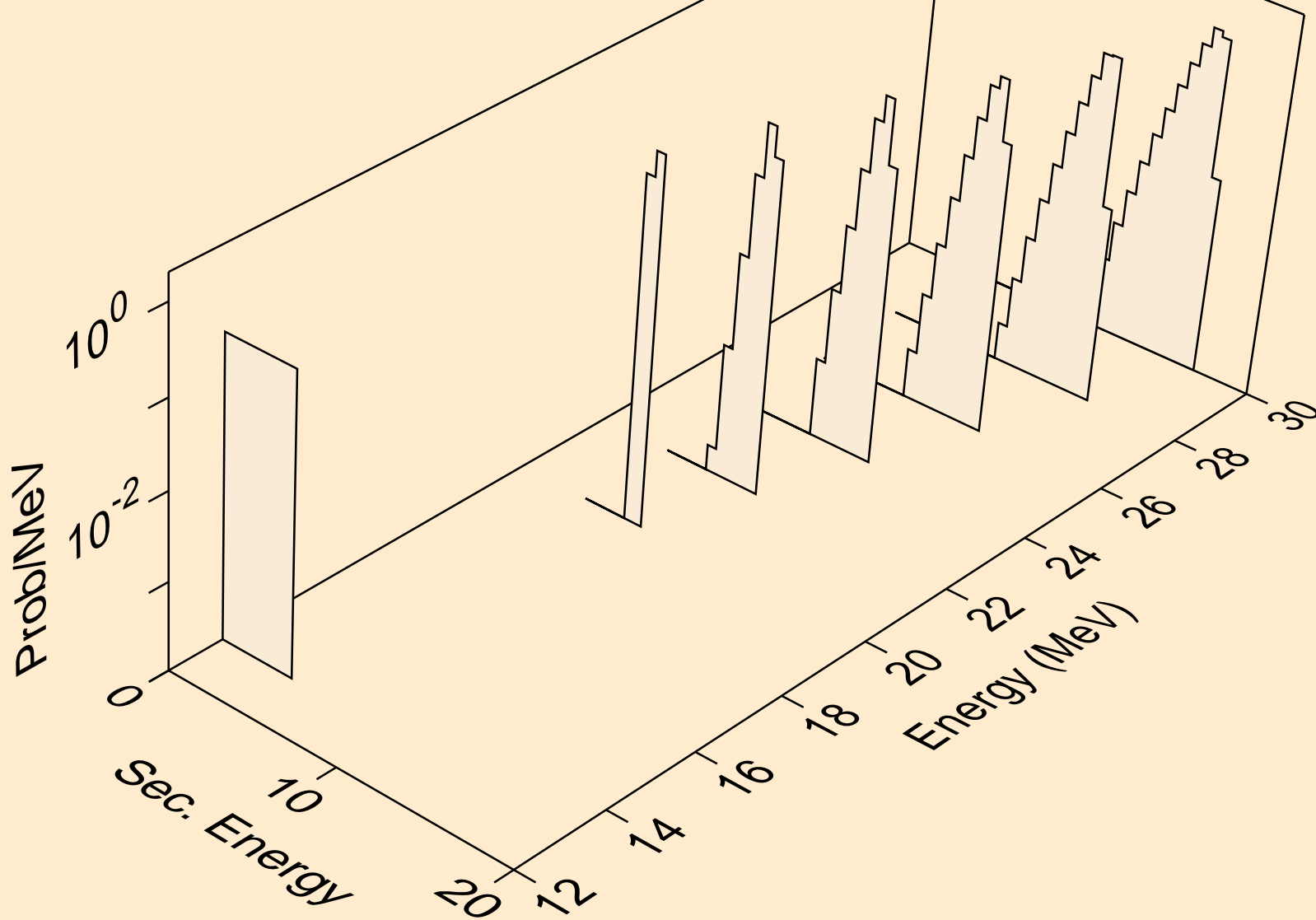
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tritons from (n,pt)



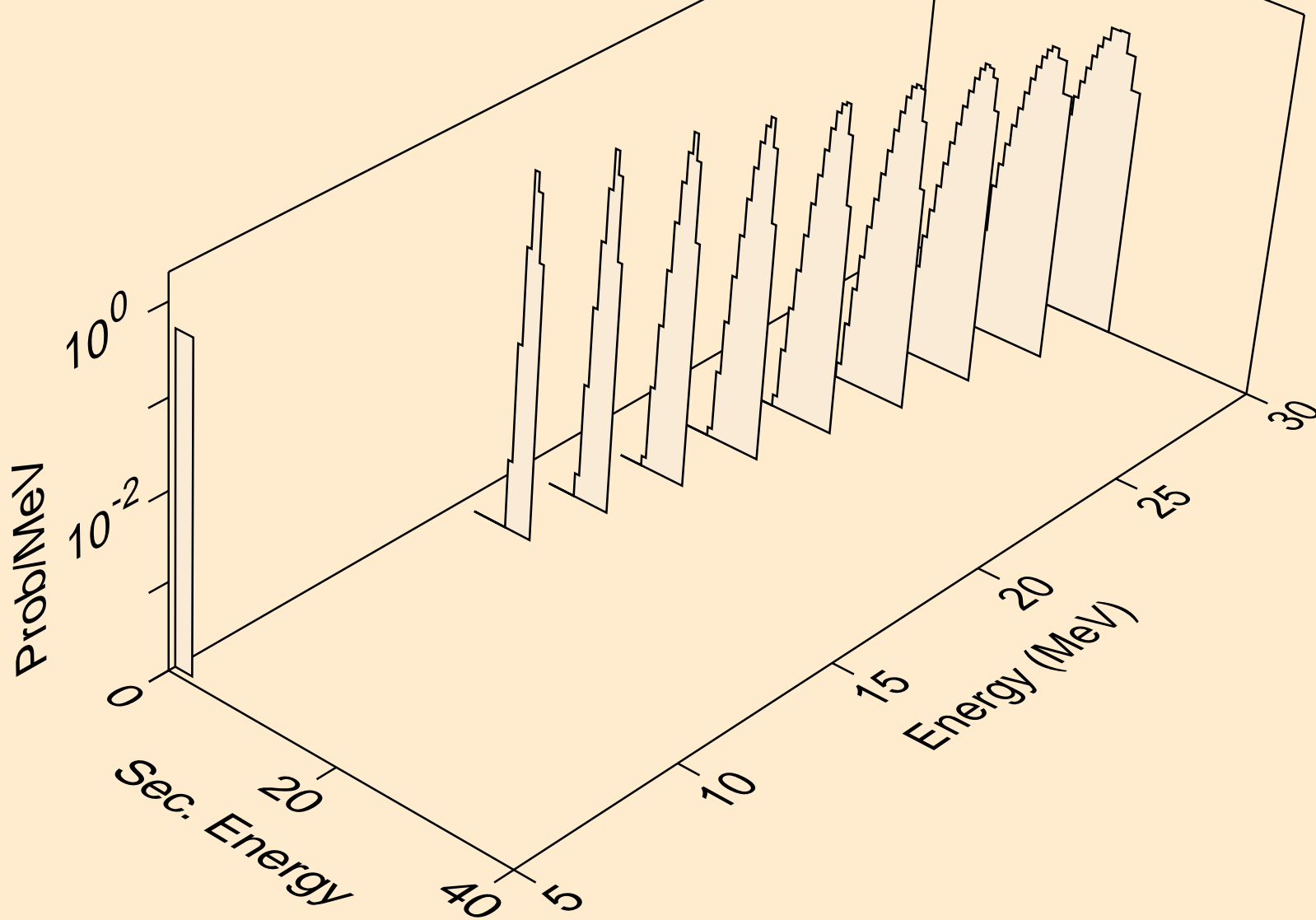
HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,x)



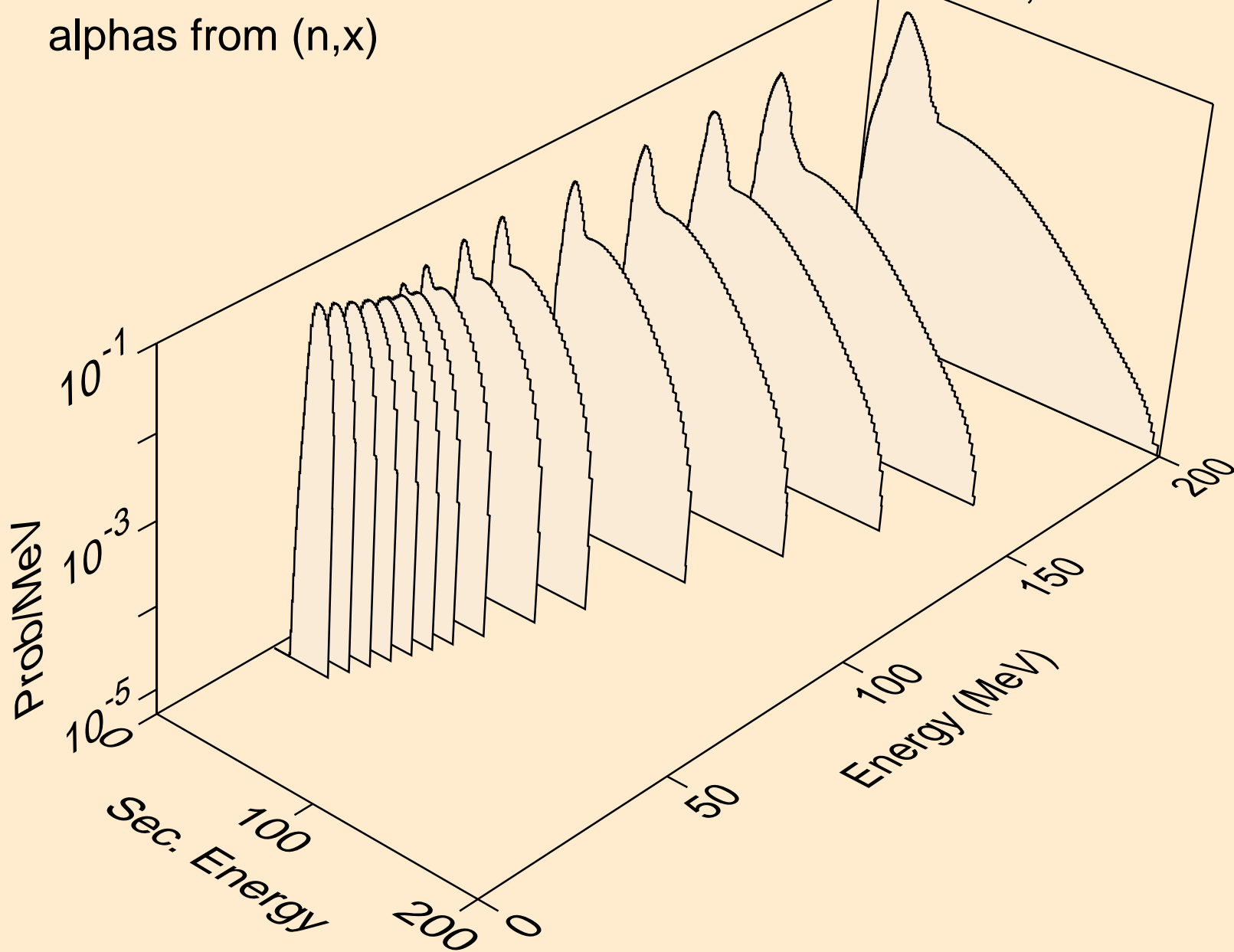
HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,n\*)he3



HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,he3)

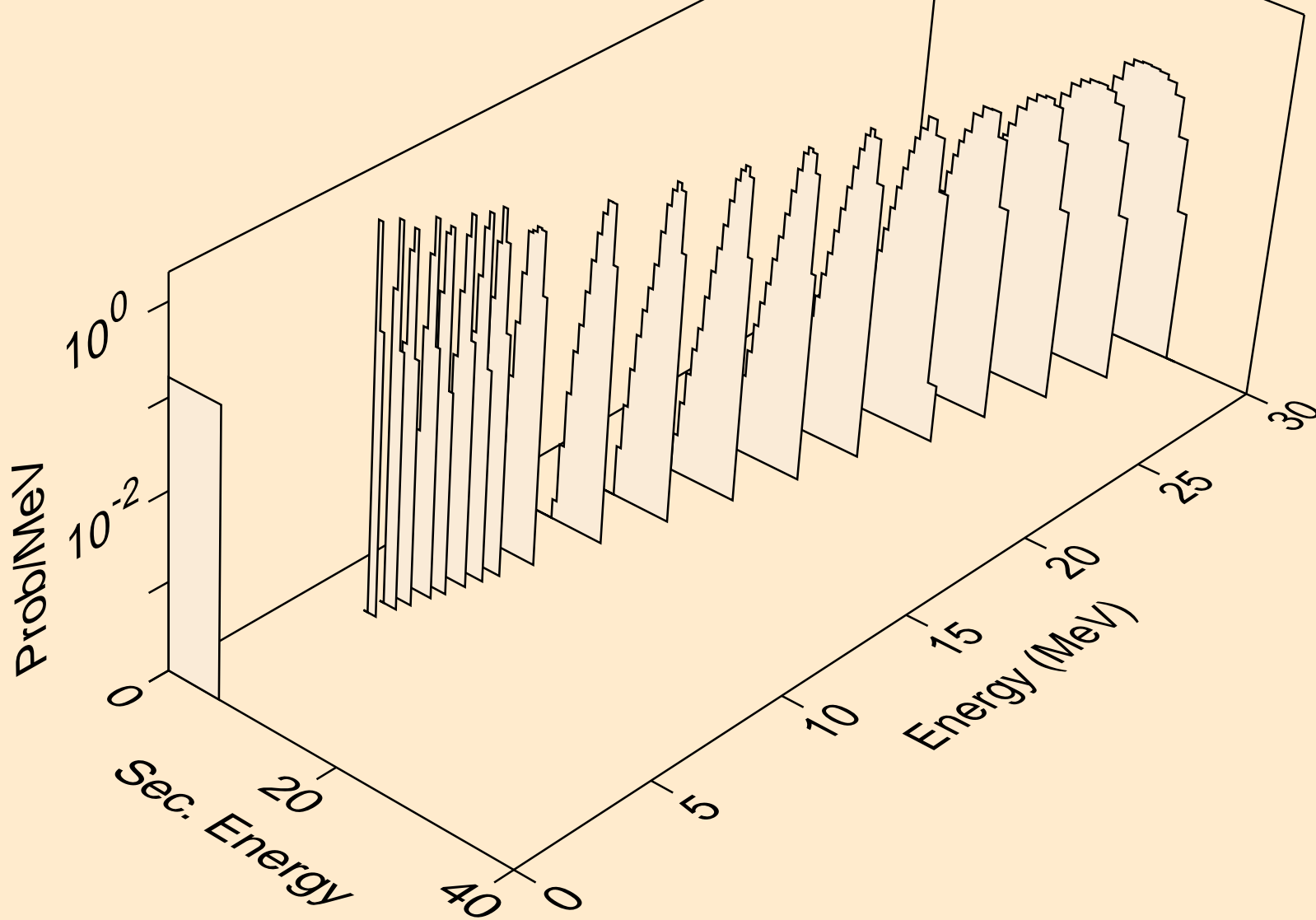


HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,x)

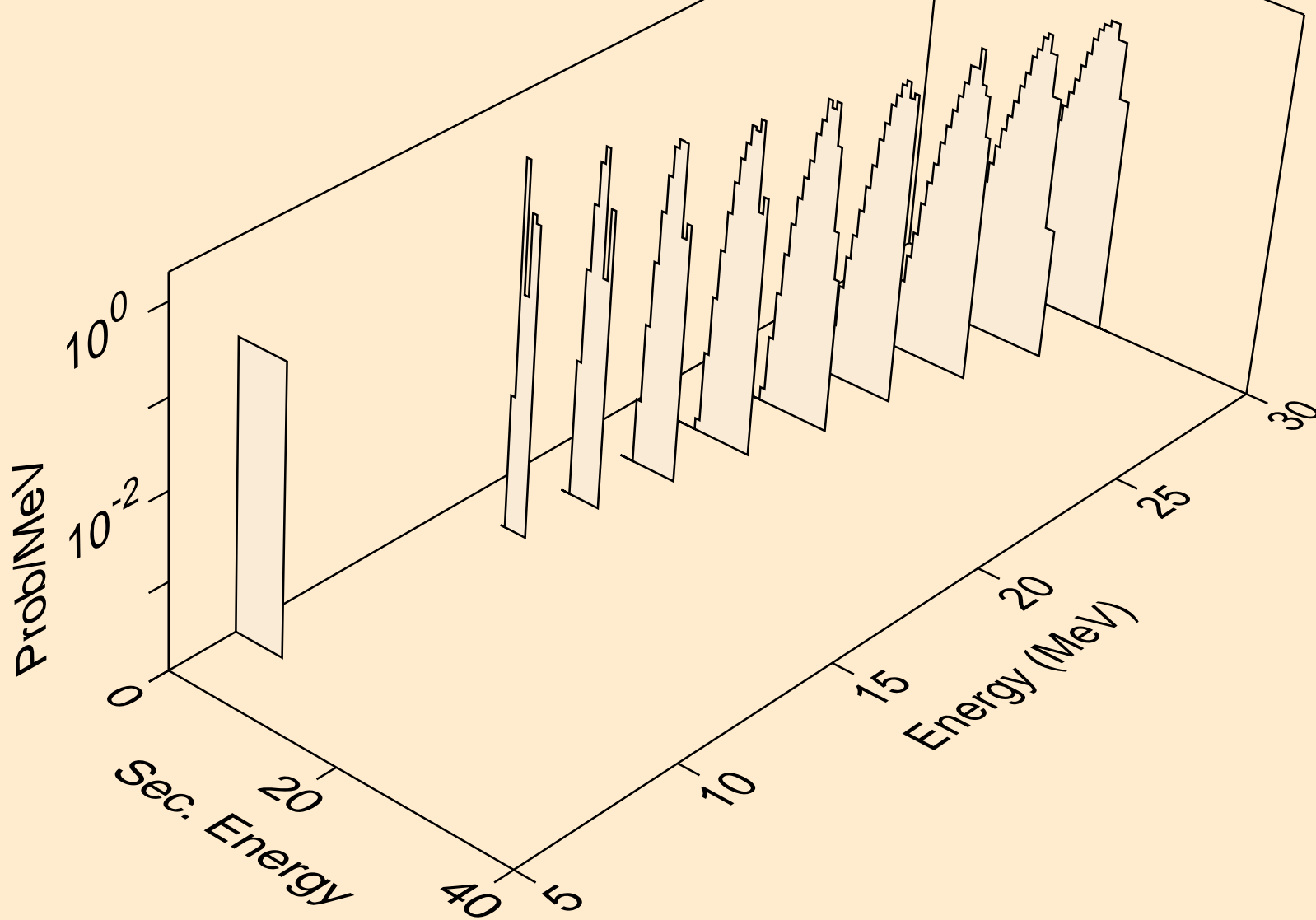




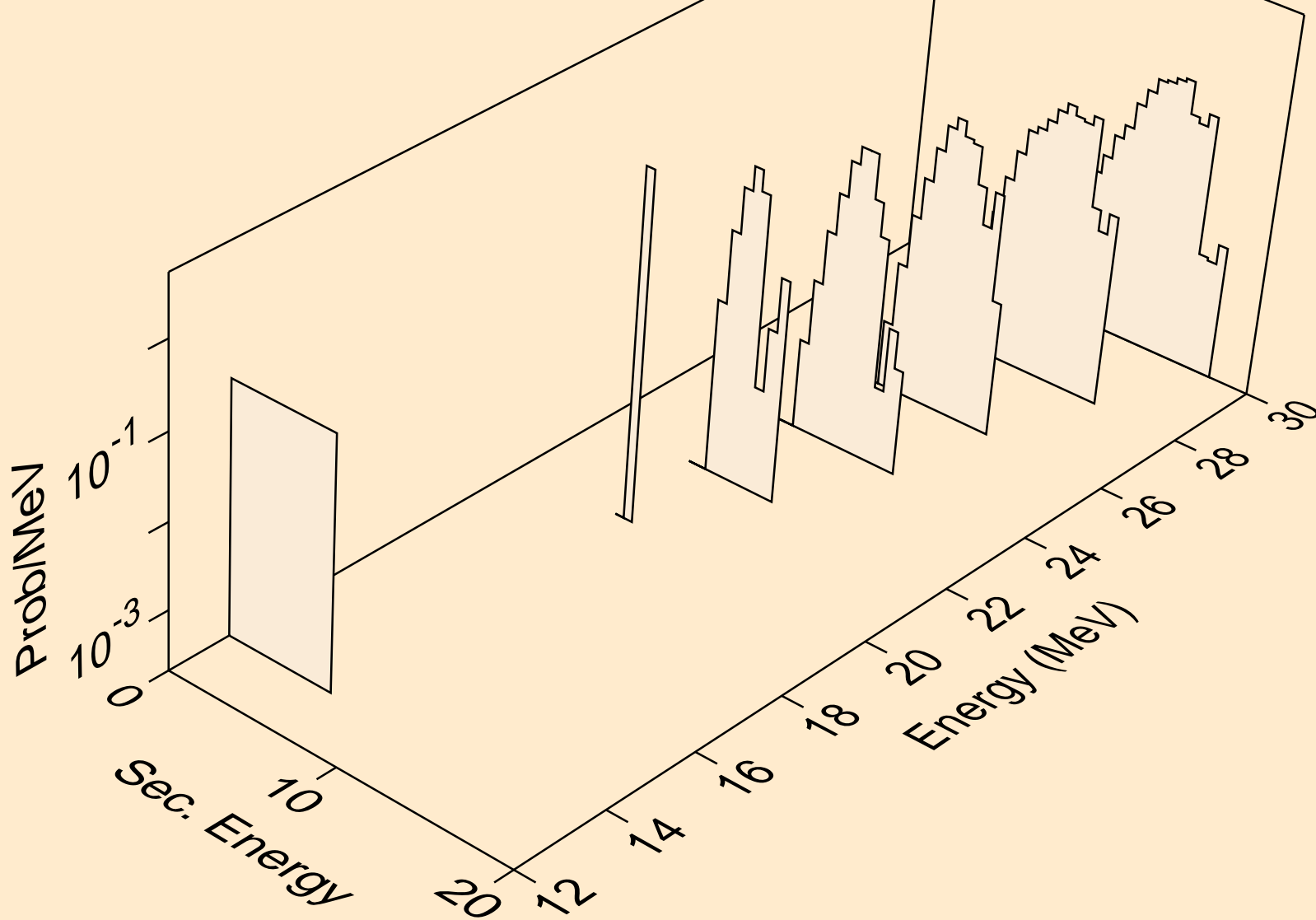
HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)a



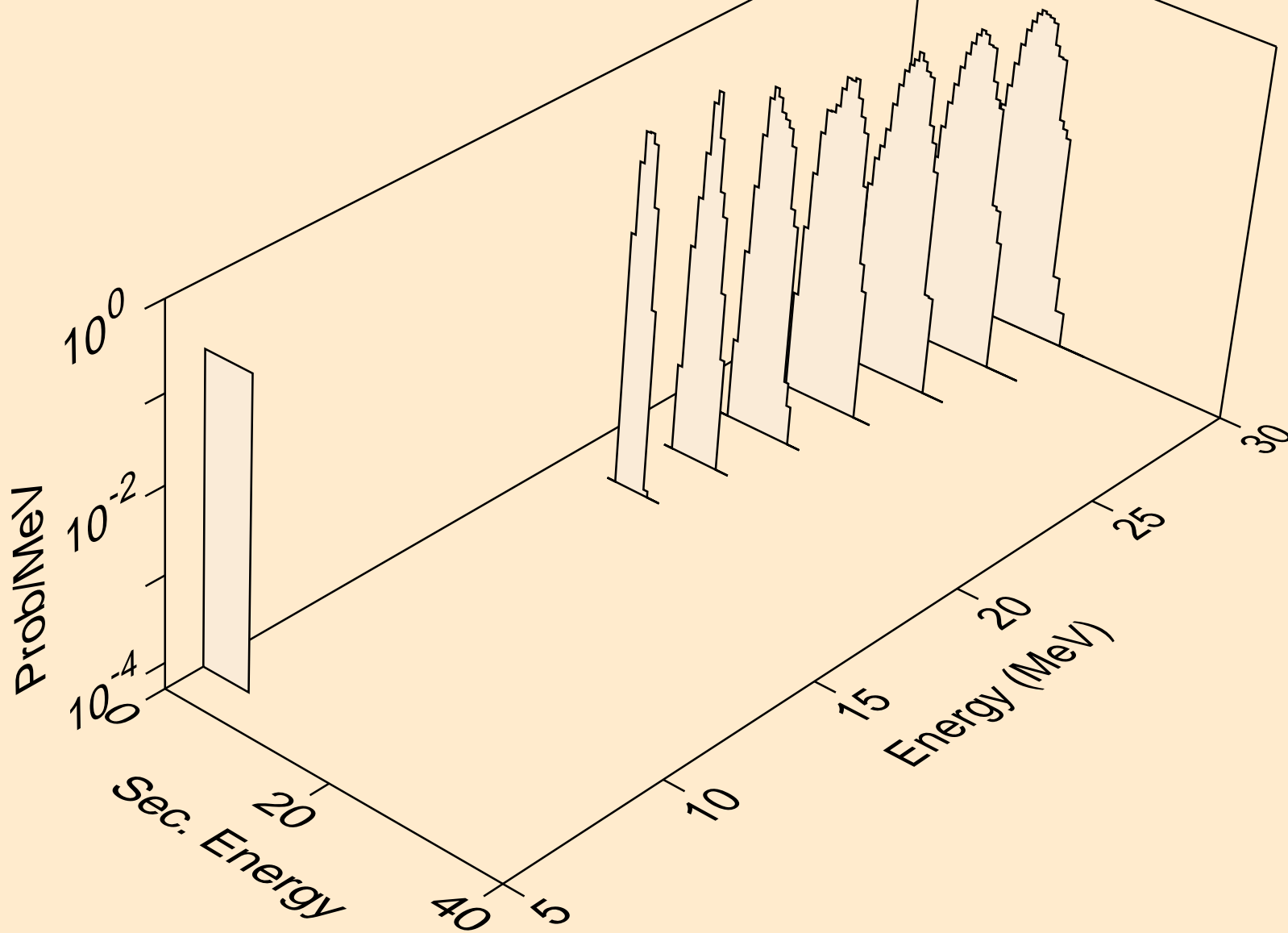
HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2n)a



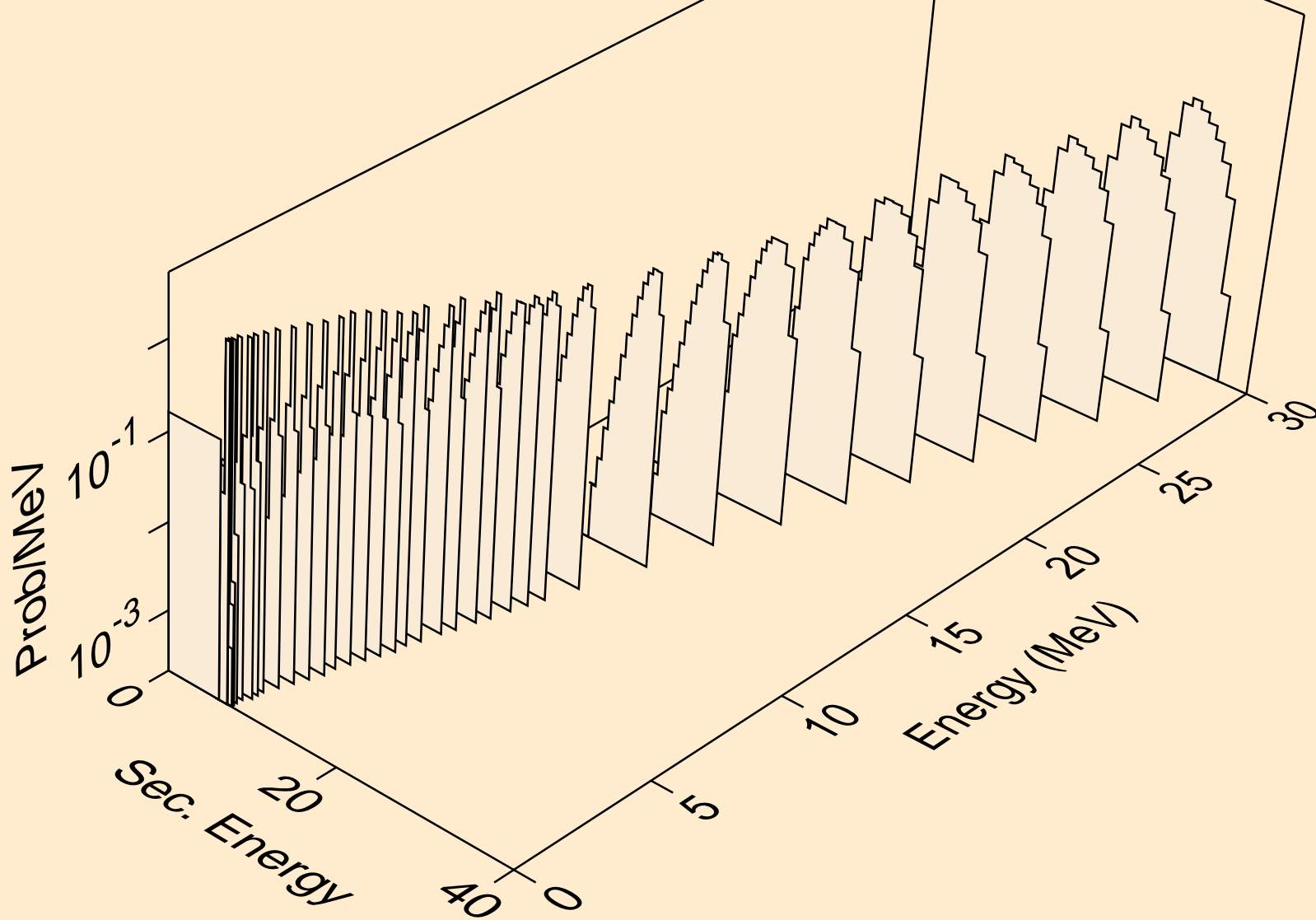
HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,3n)a



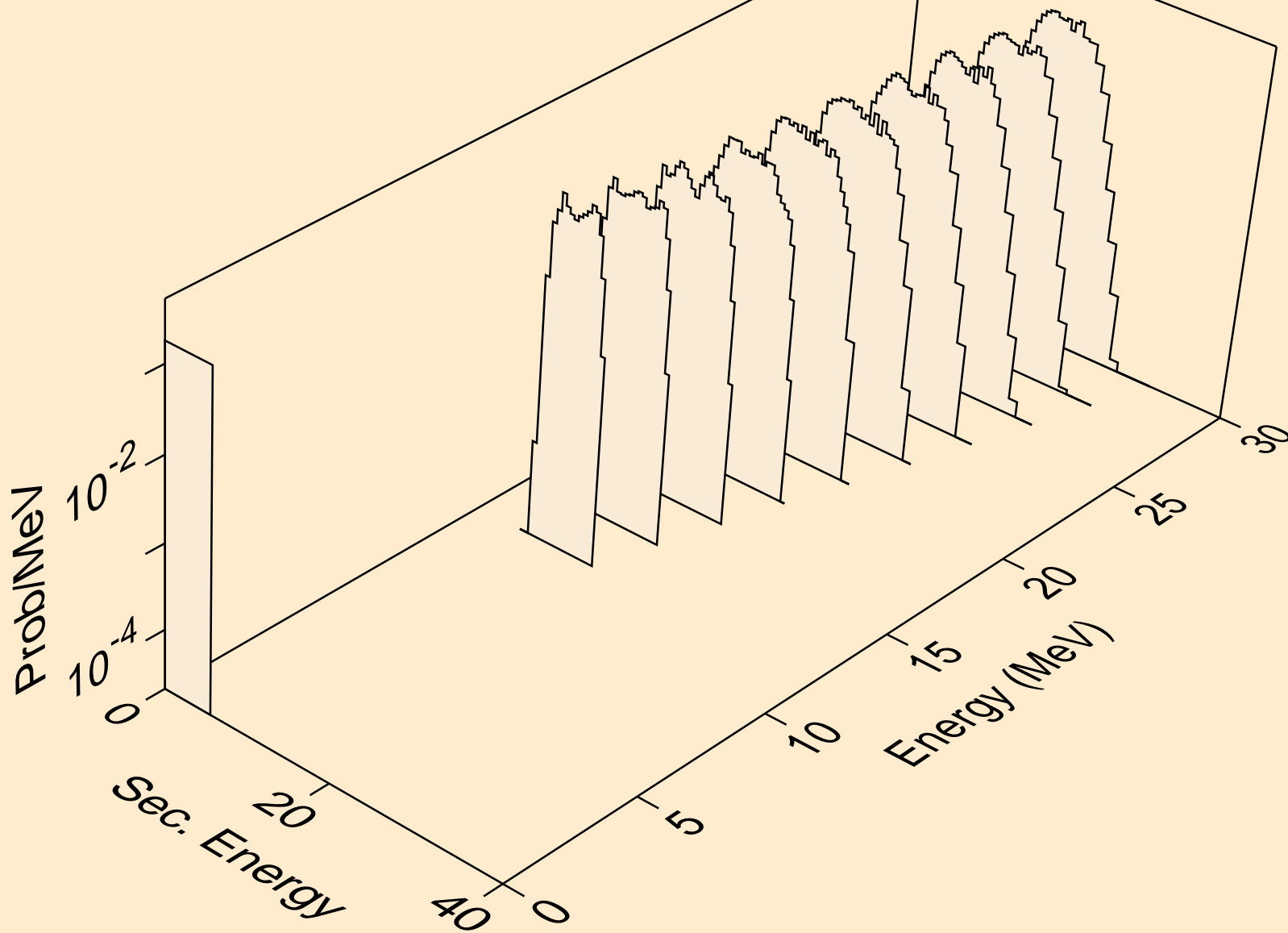
HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,npa)



HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,a)



HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2a)



HG198 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,pa)

