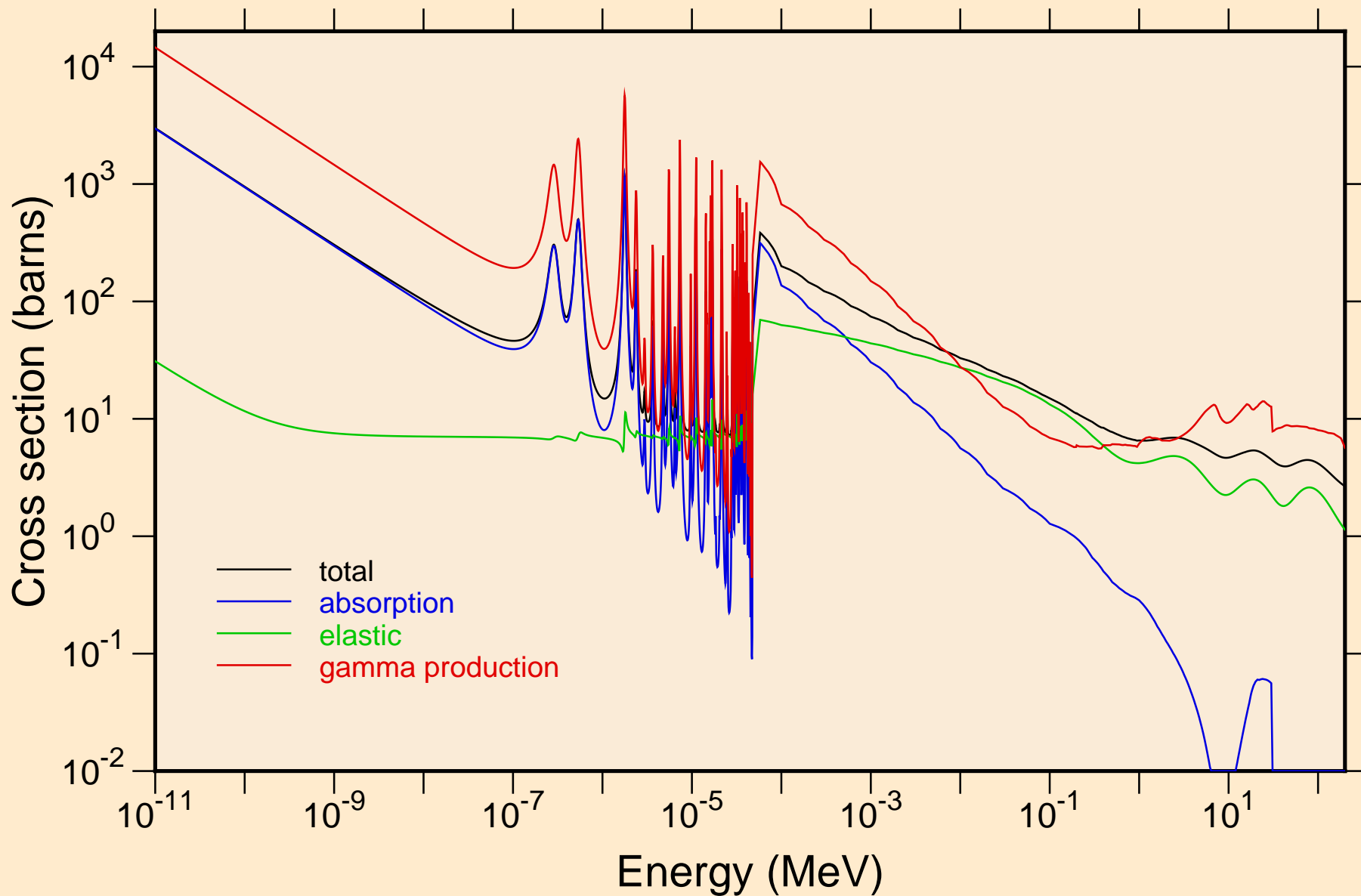
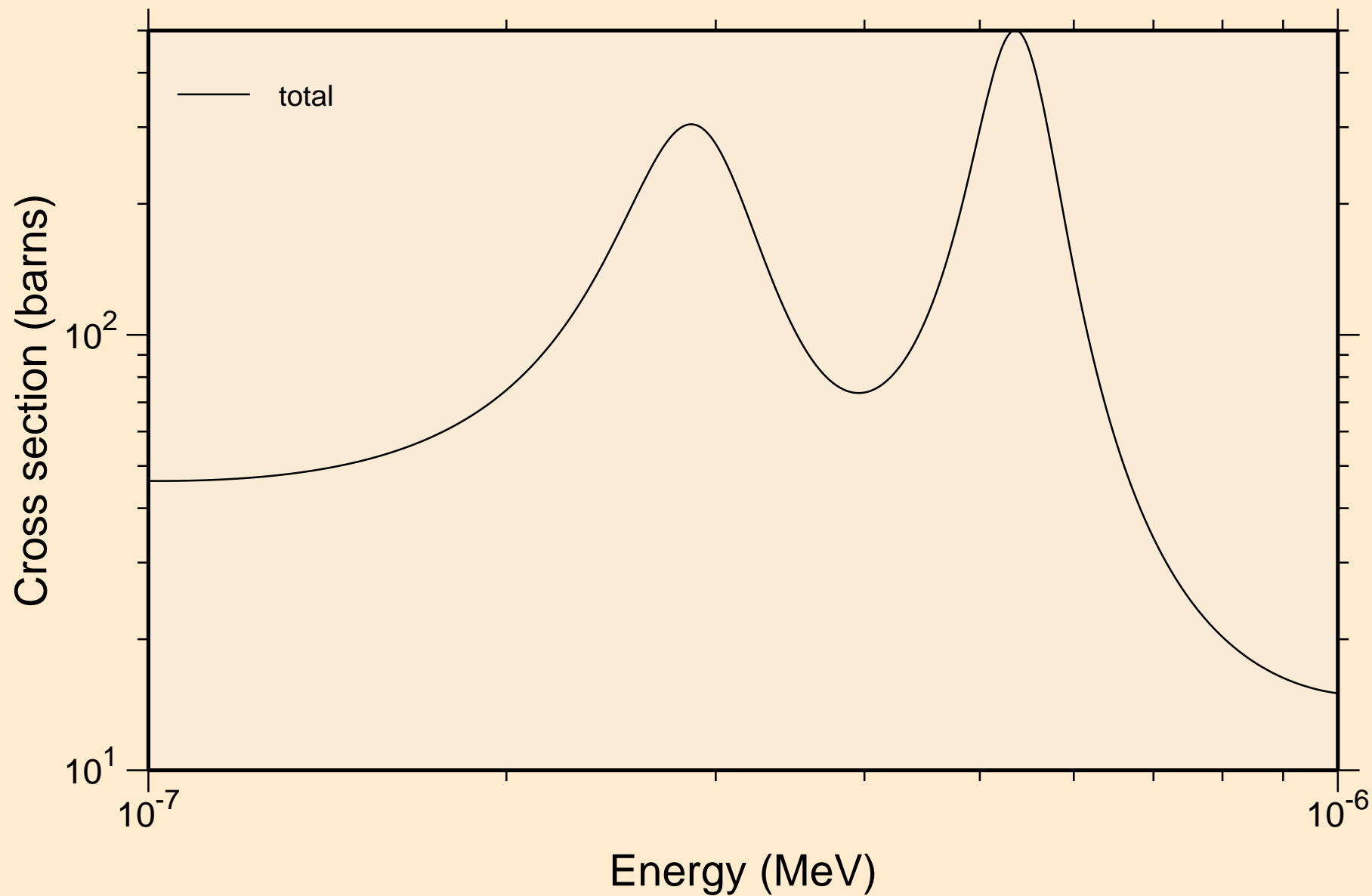


# HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

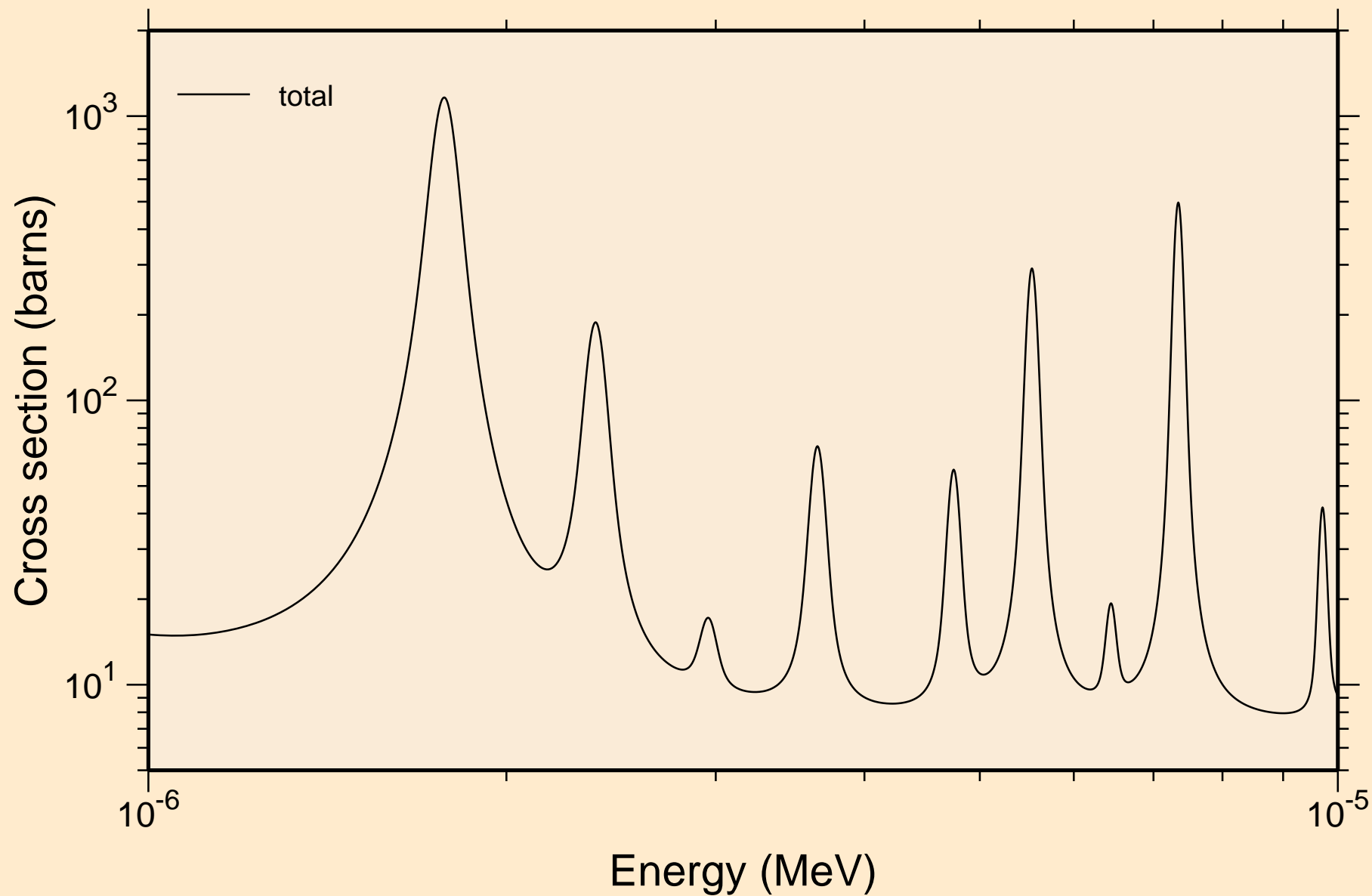
## Principal cross sections



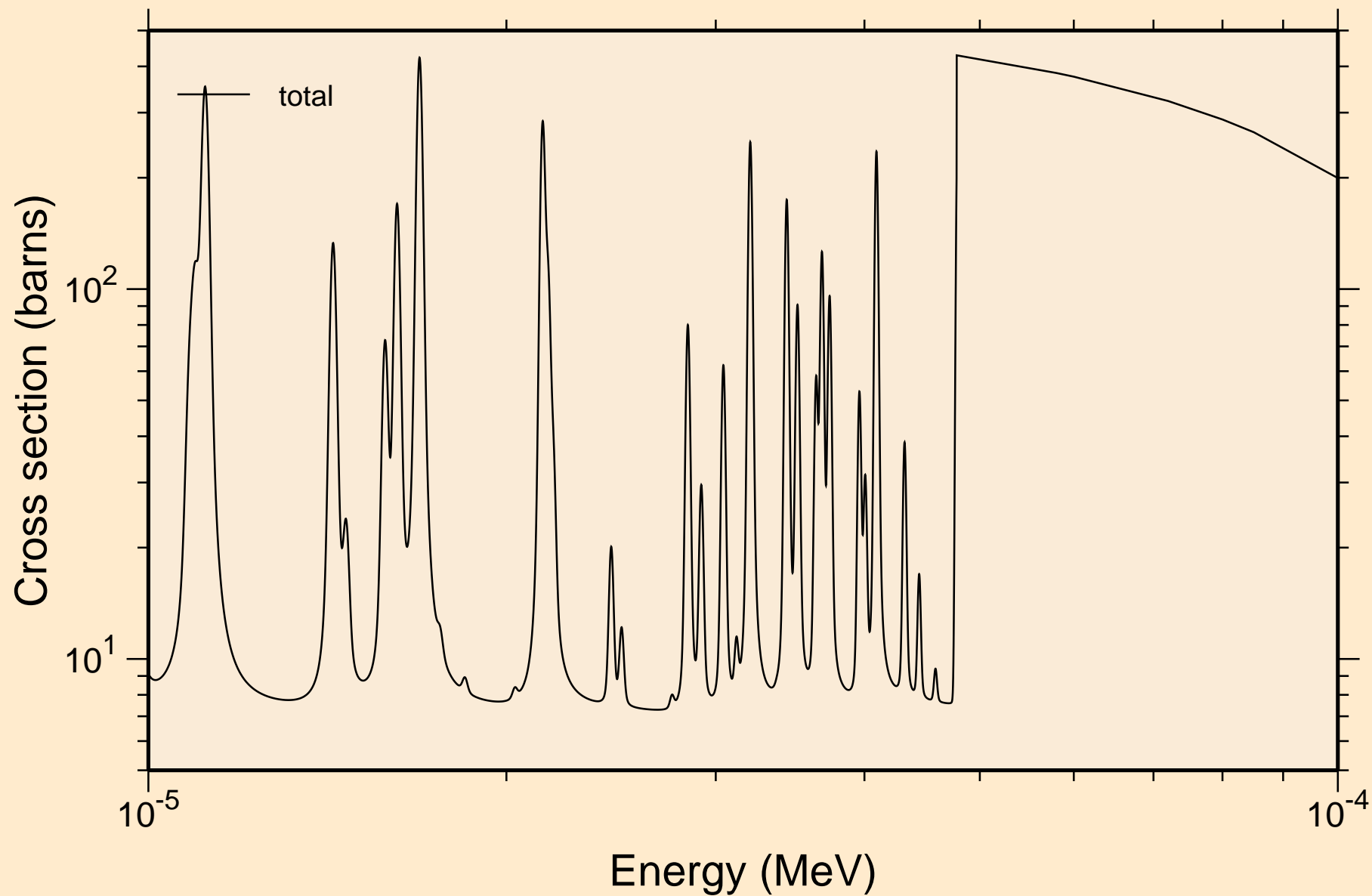
HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



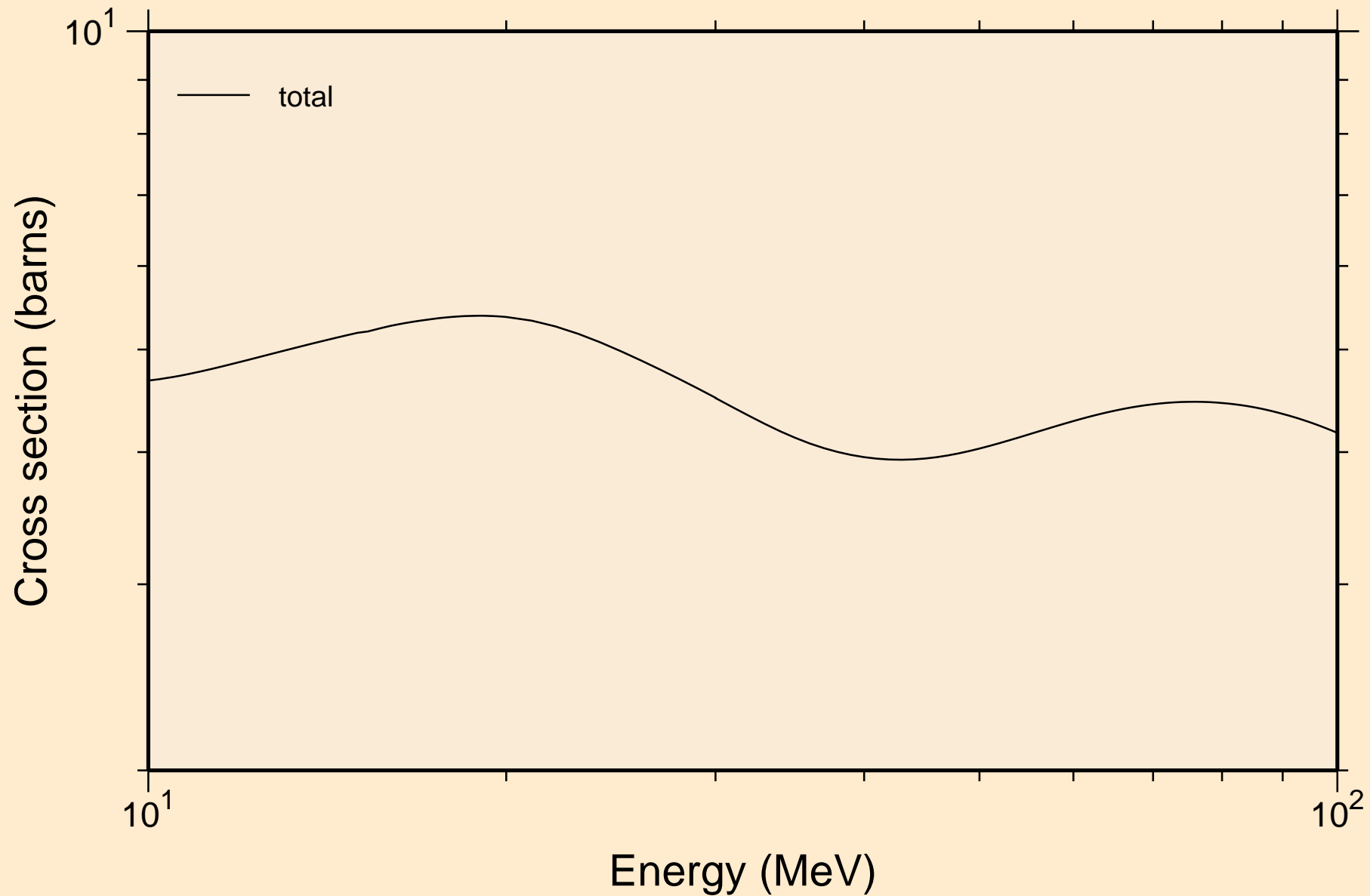
HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



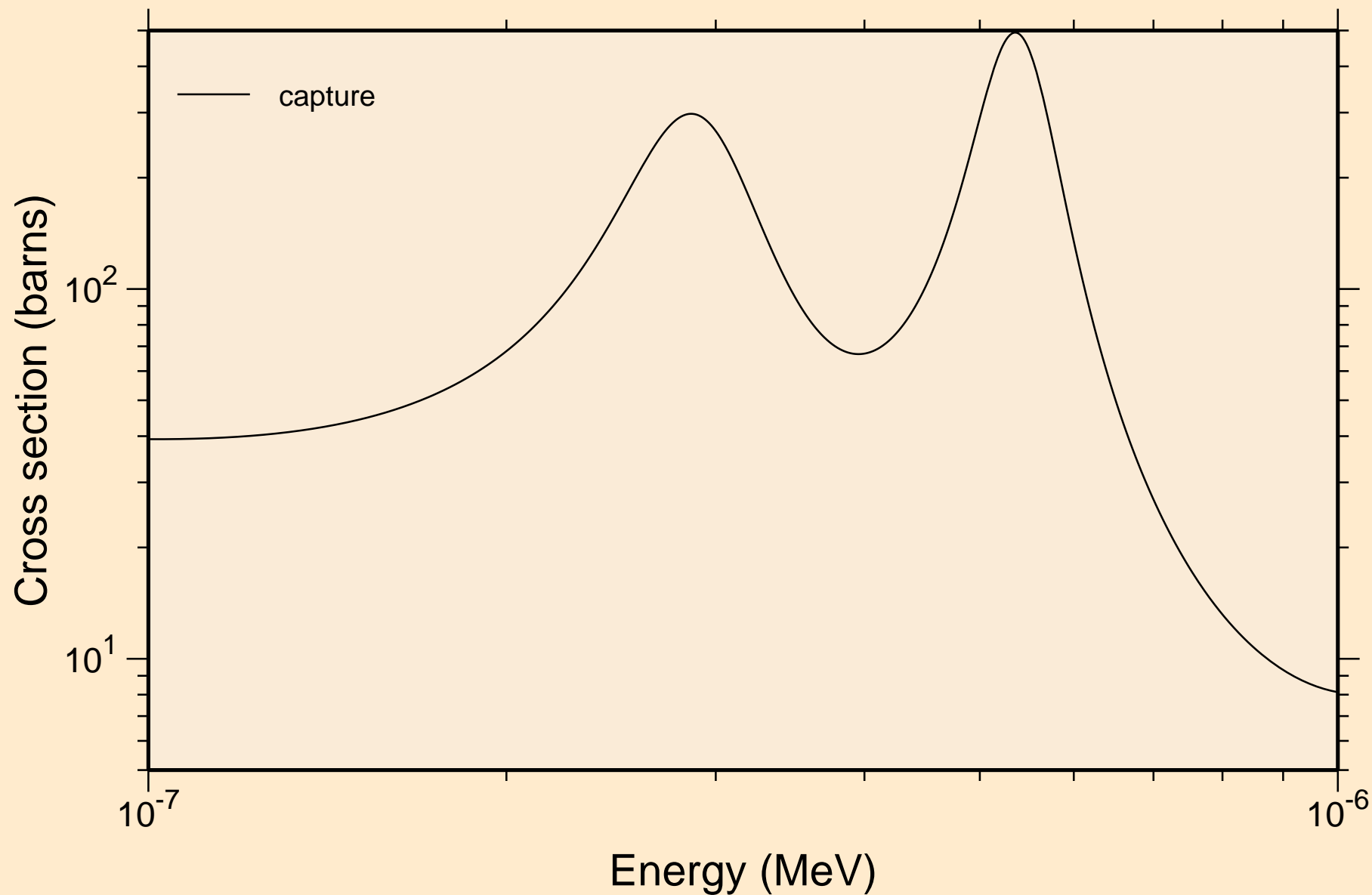
HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



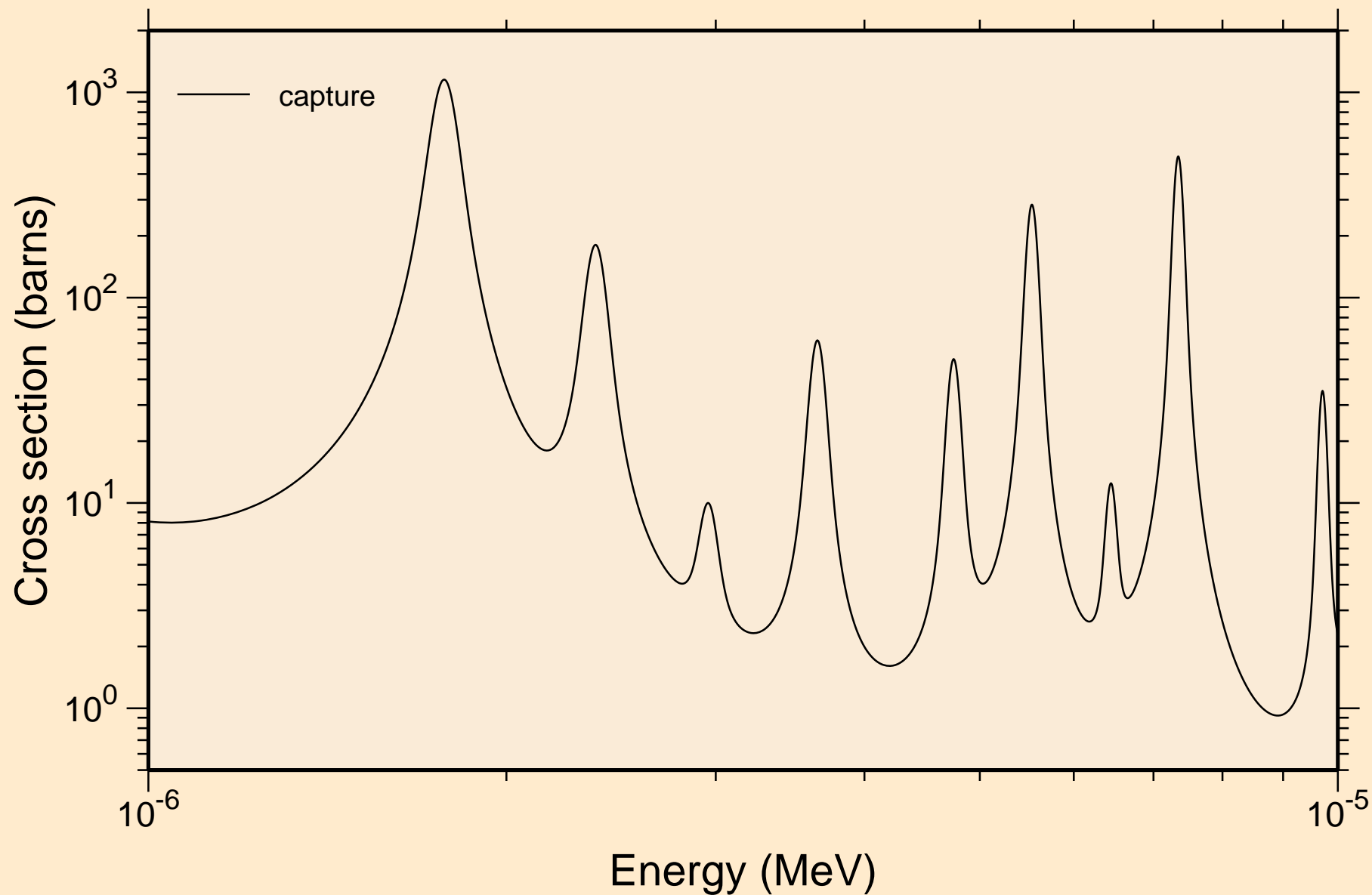
HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



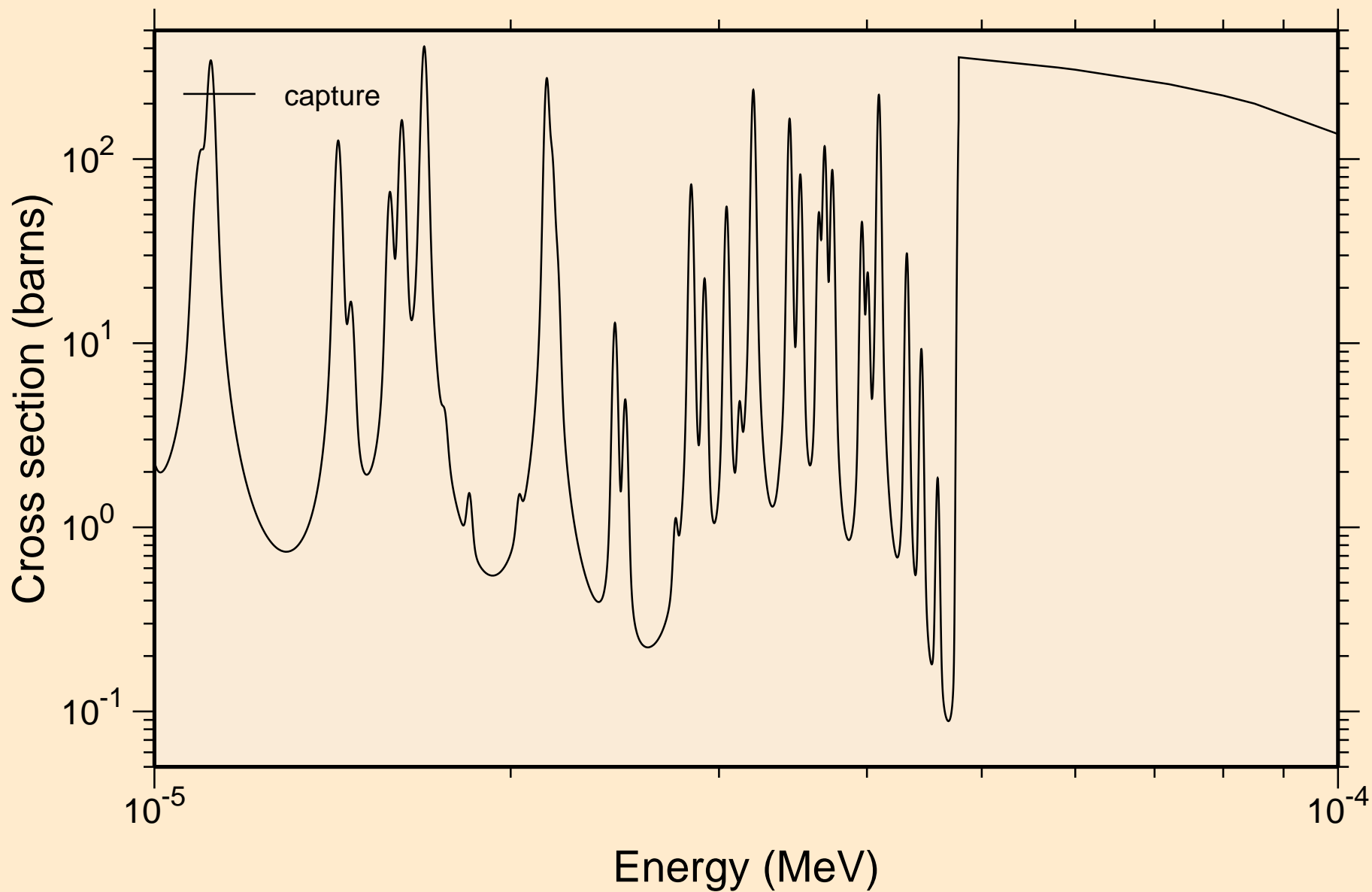
HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections

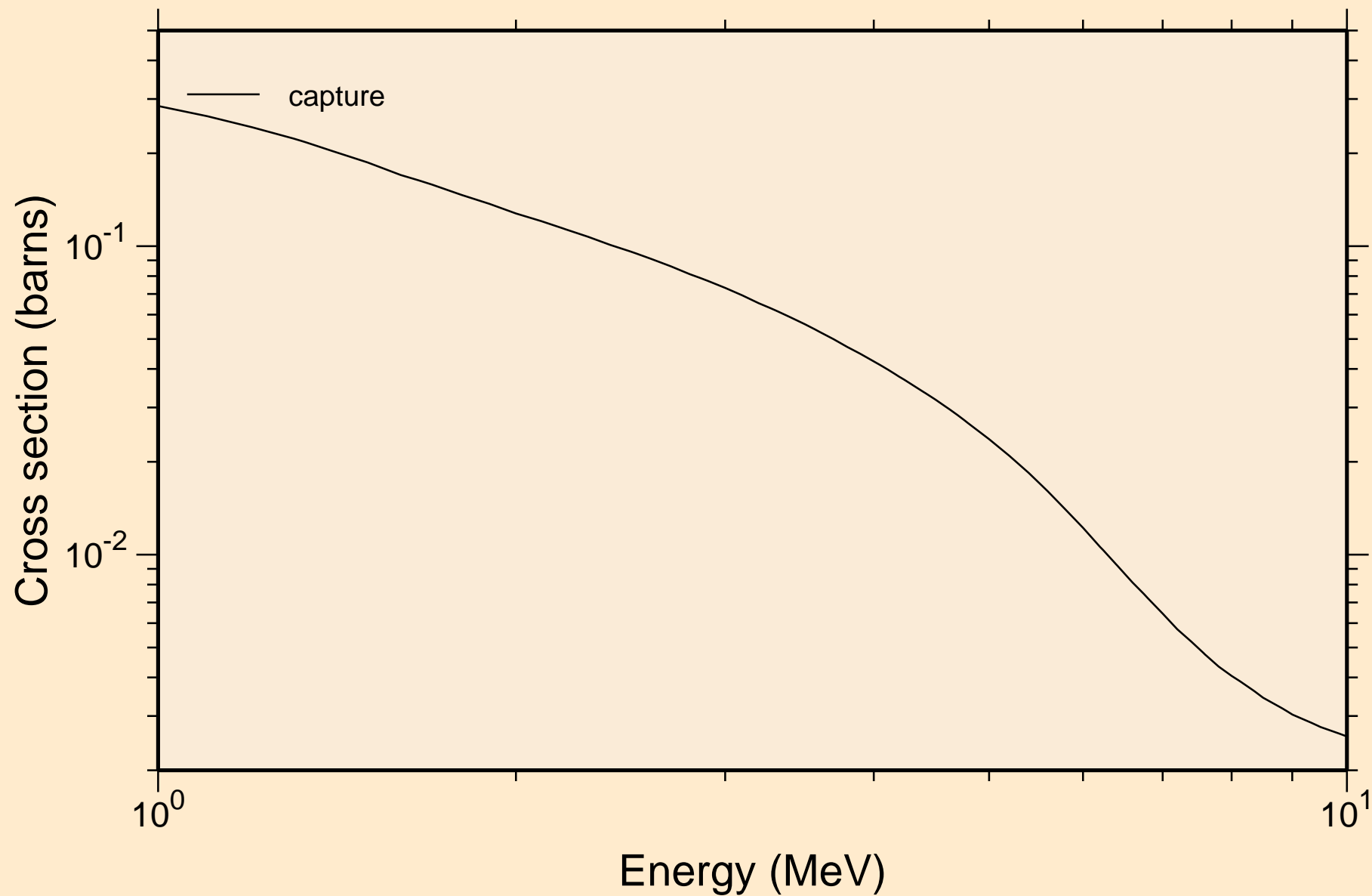


HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections

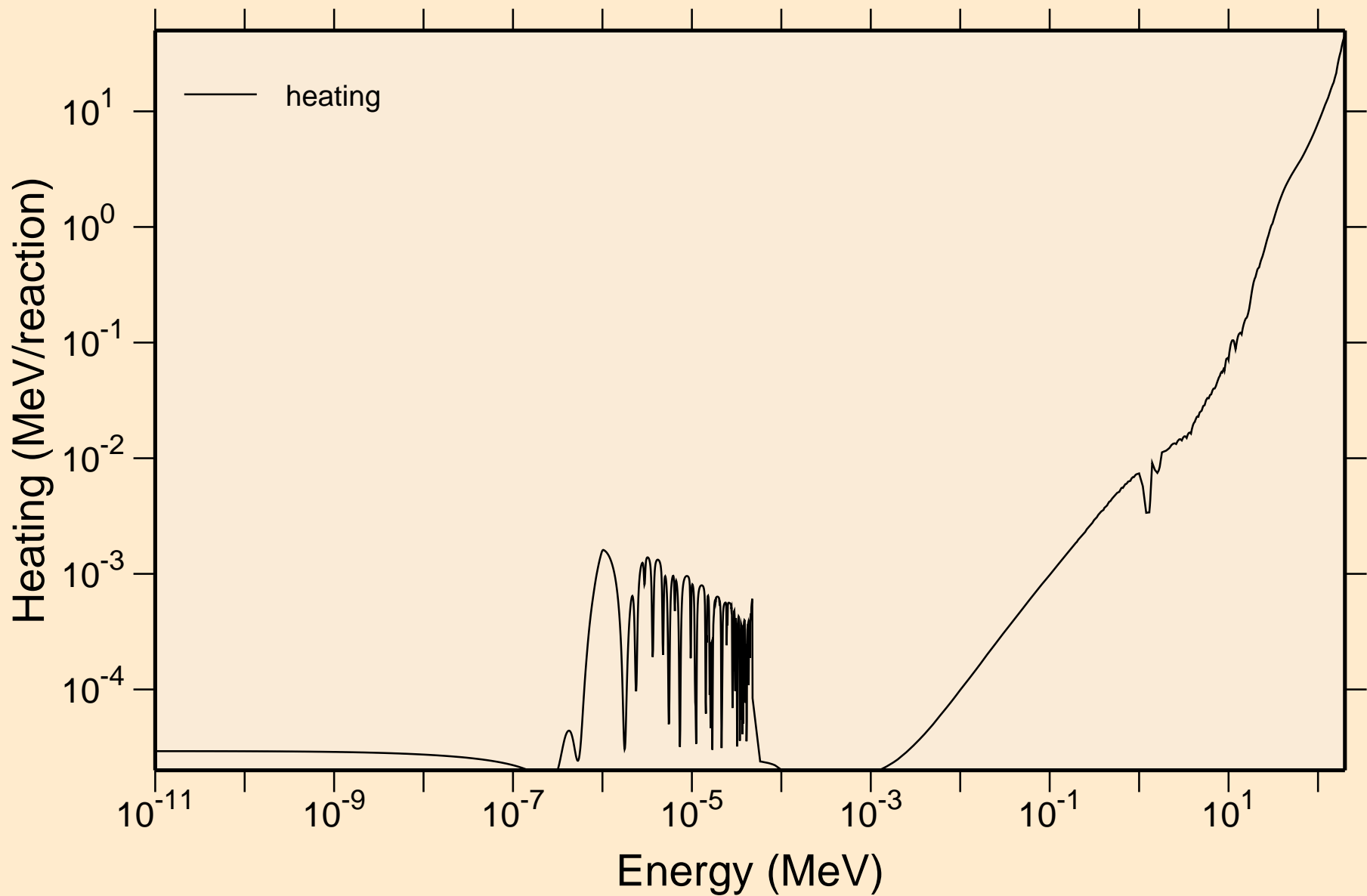




HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections

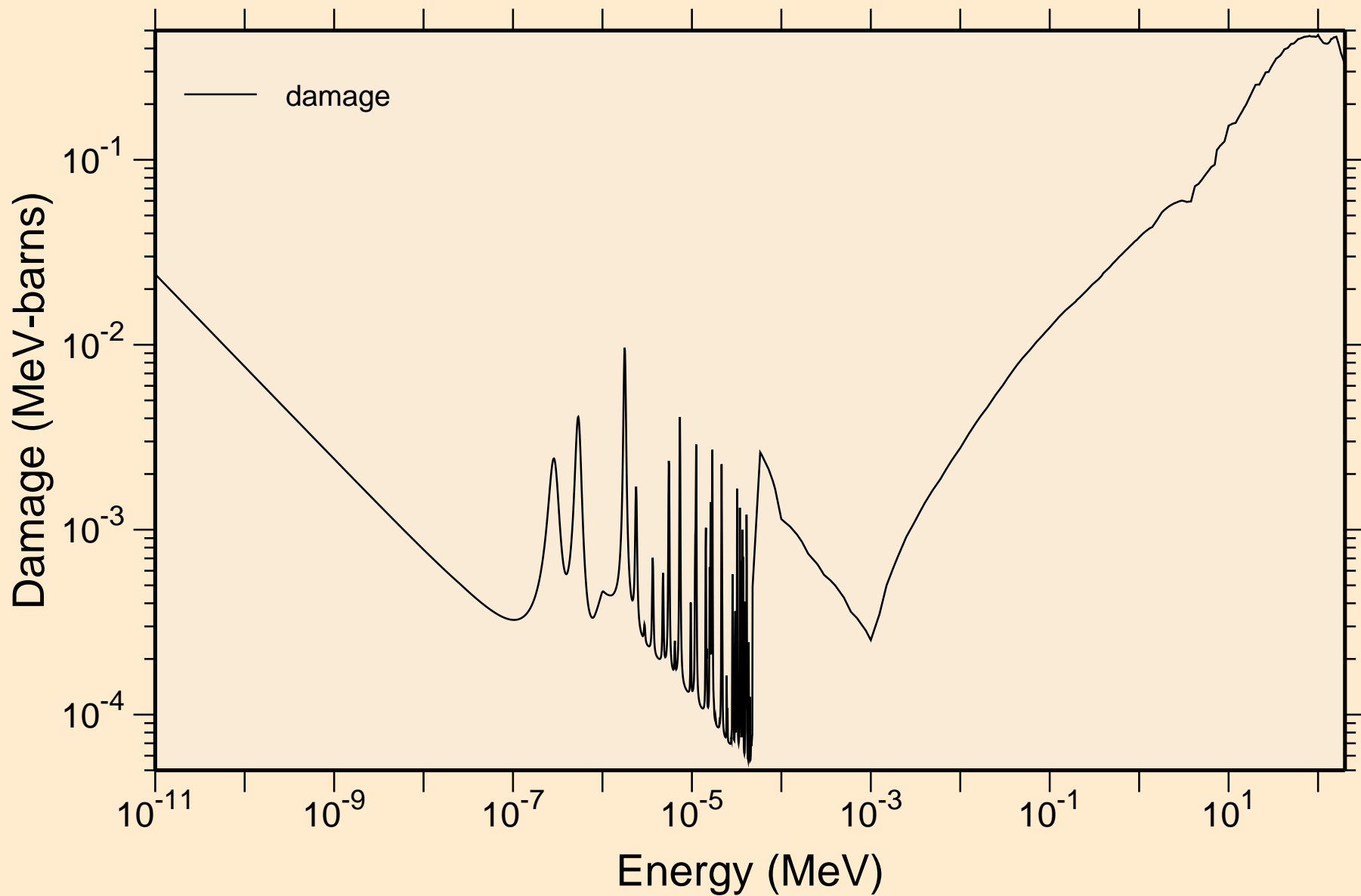


HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating



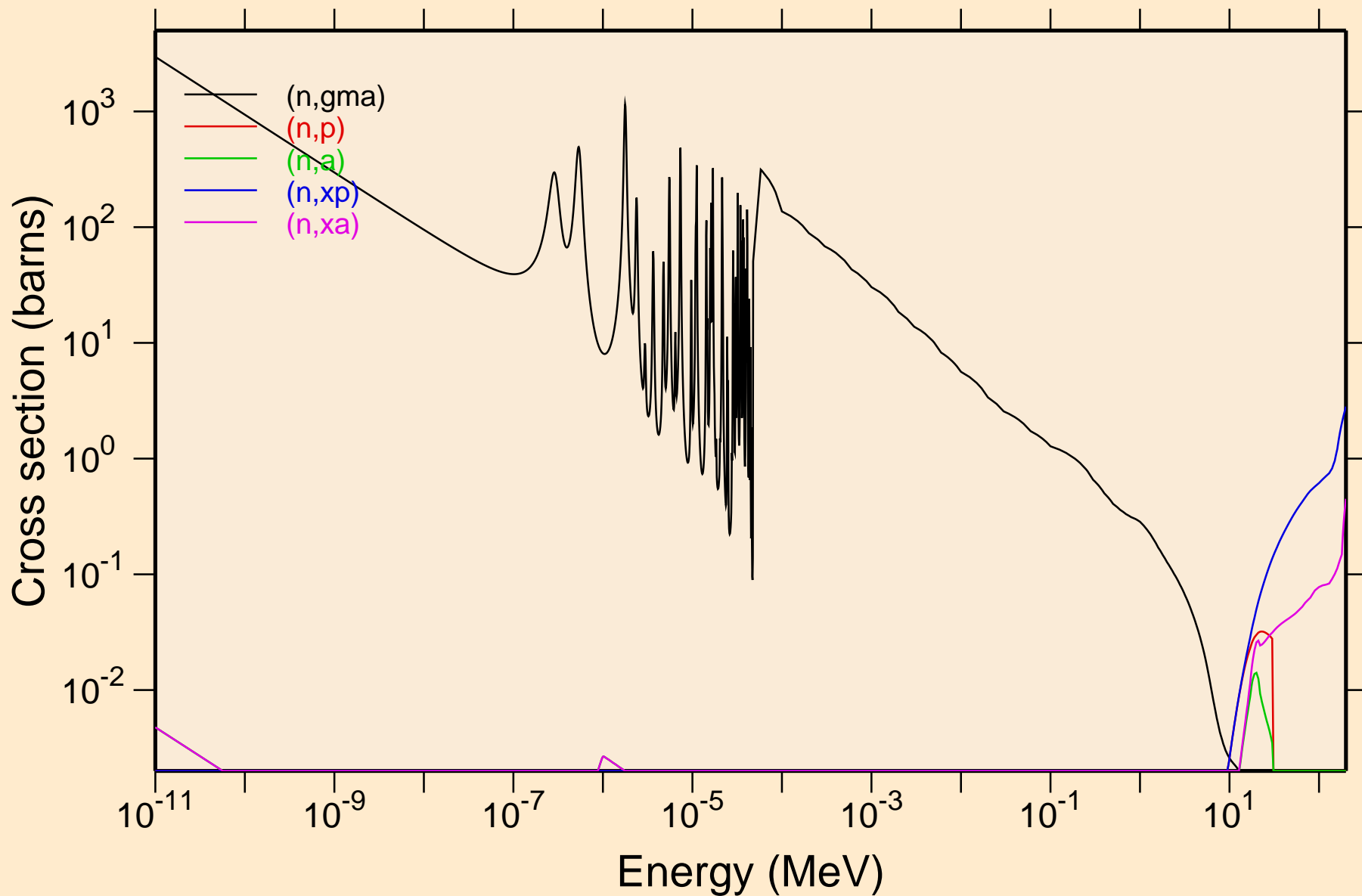
# HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Damage



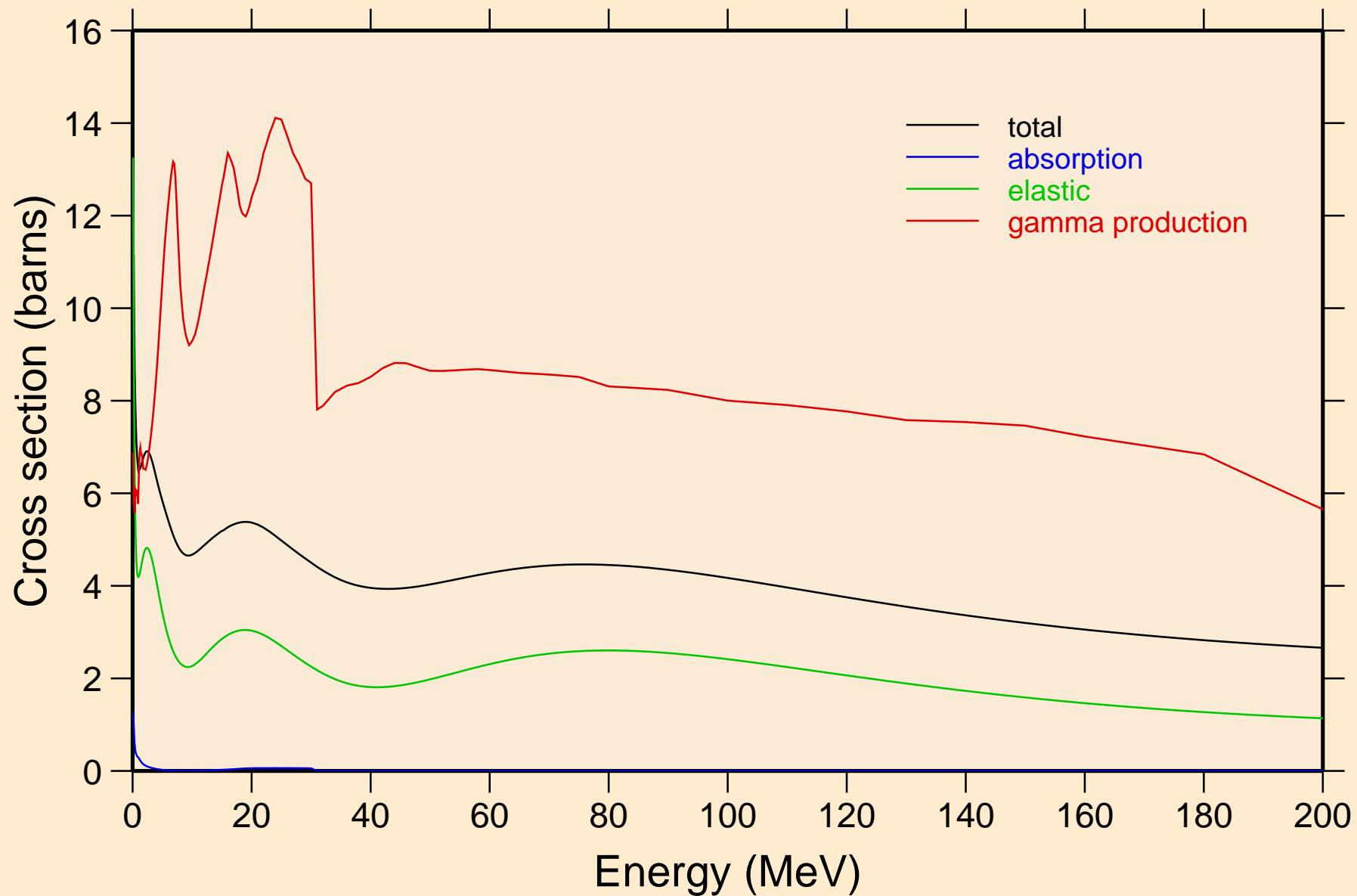
# HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Non-threshold reactions

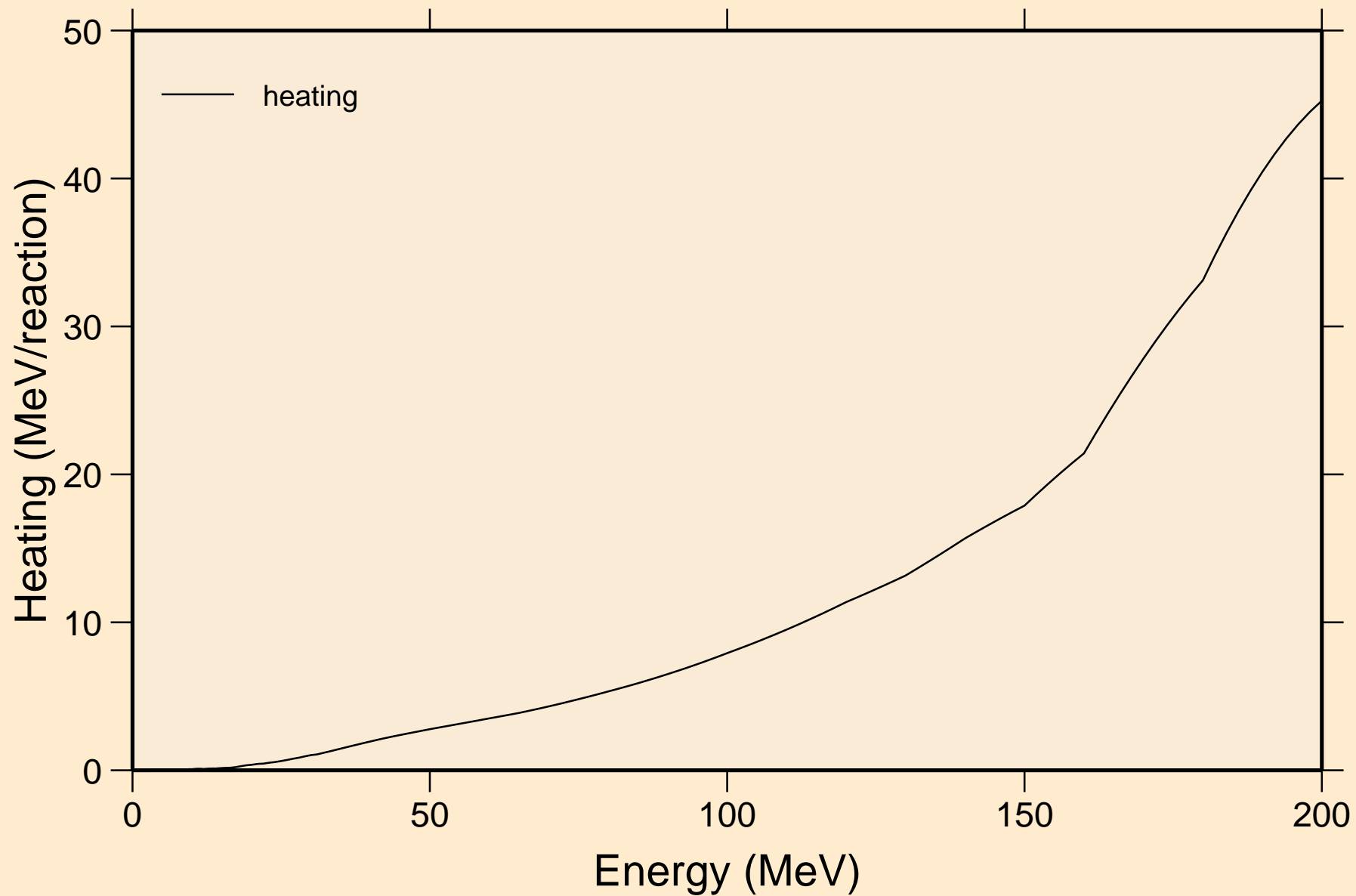


# HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Principal cross sections

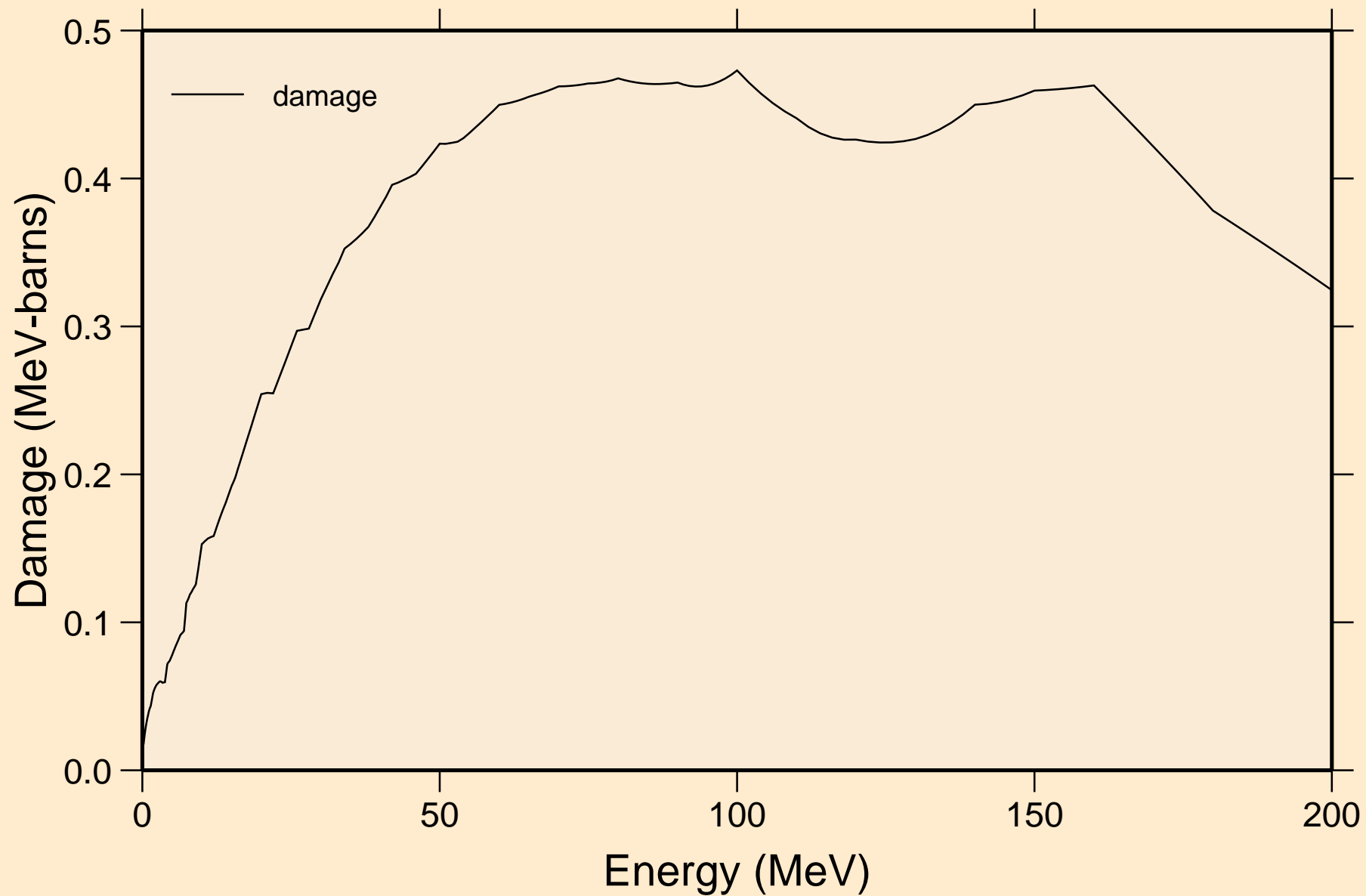


HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating



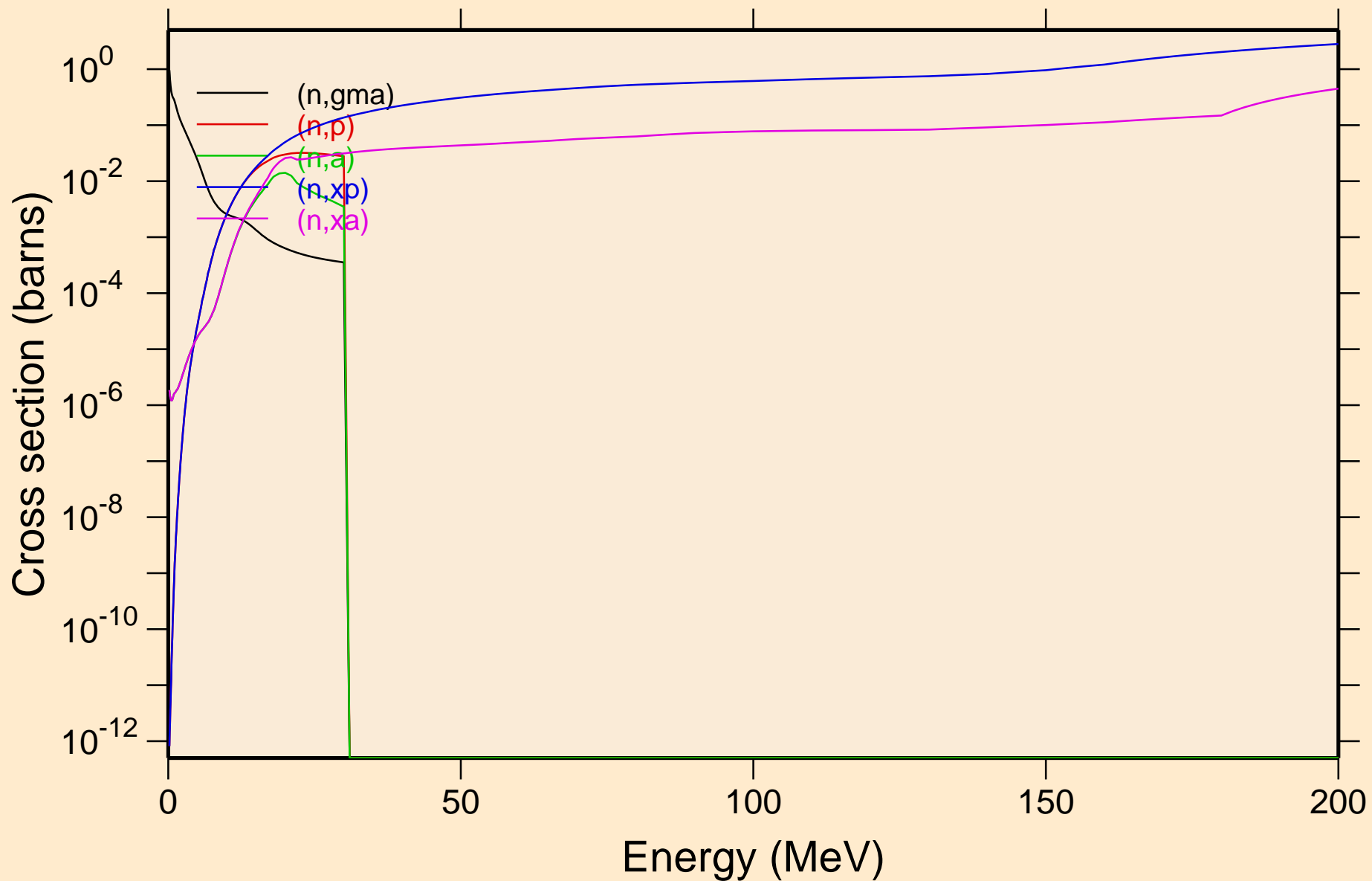
# HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Damage



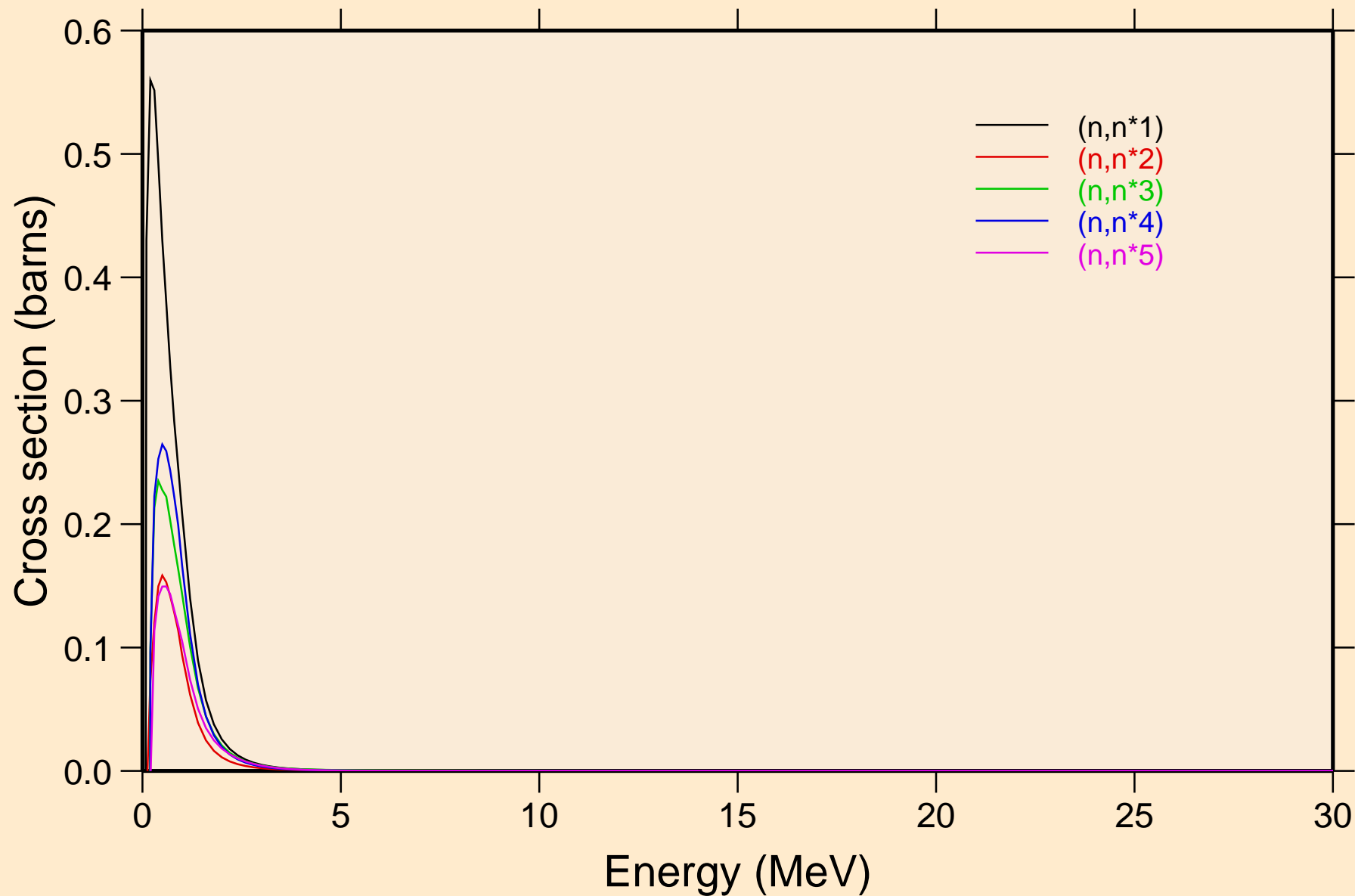
# HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Non-threshold reactions

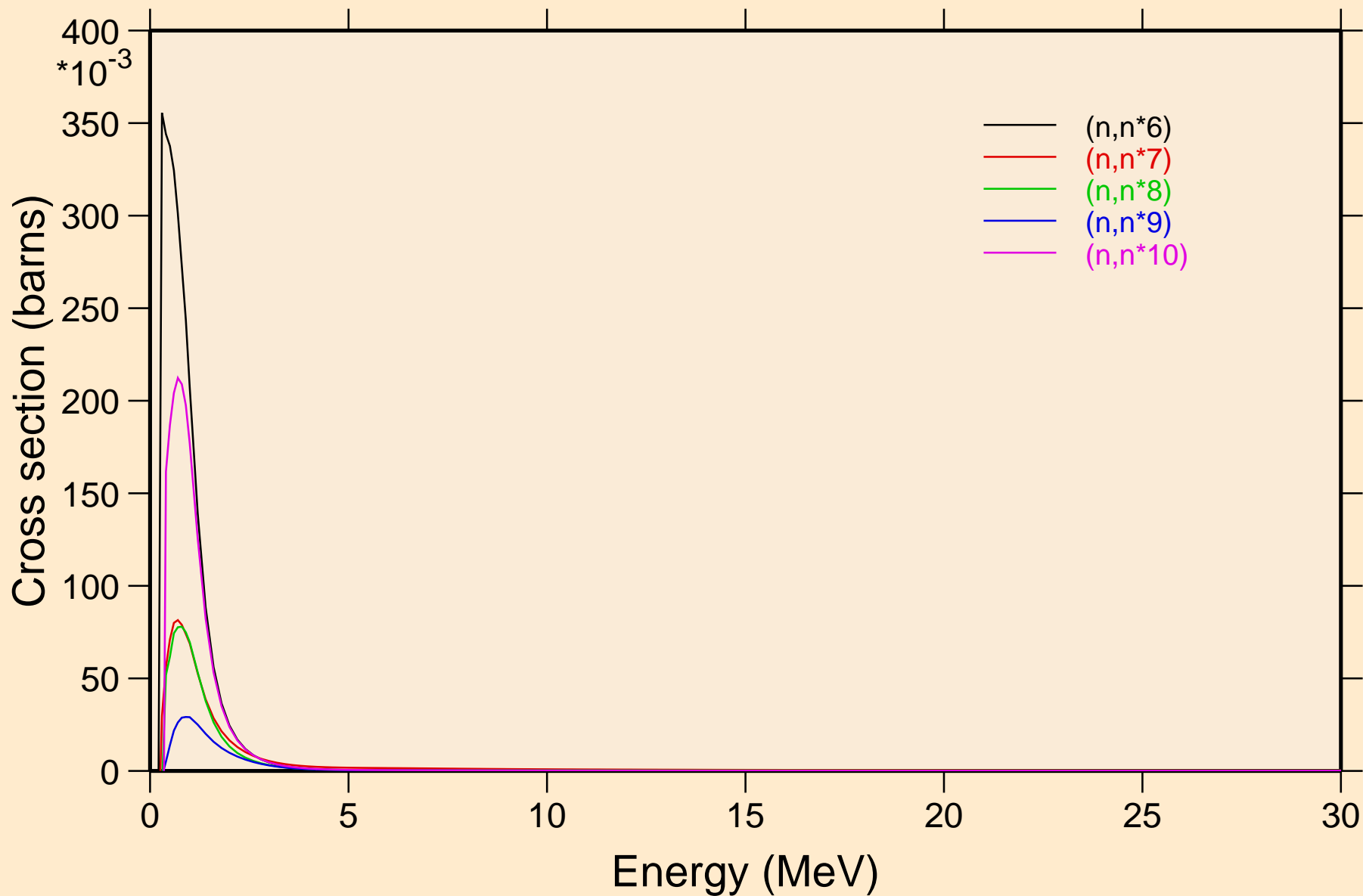




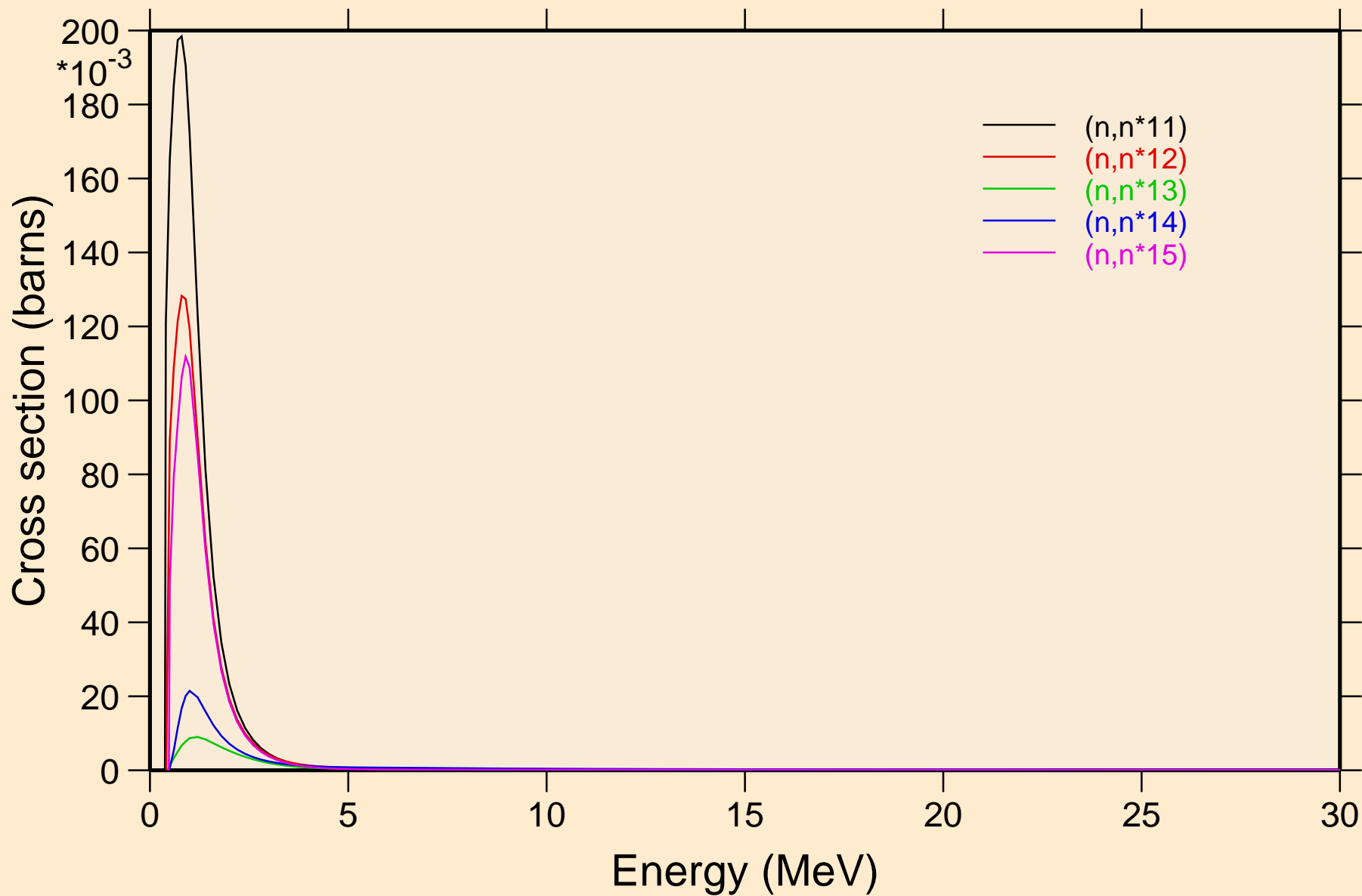
HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



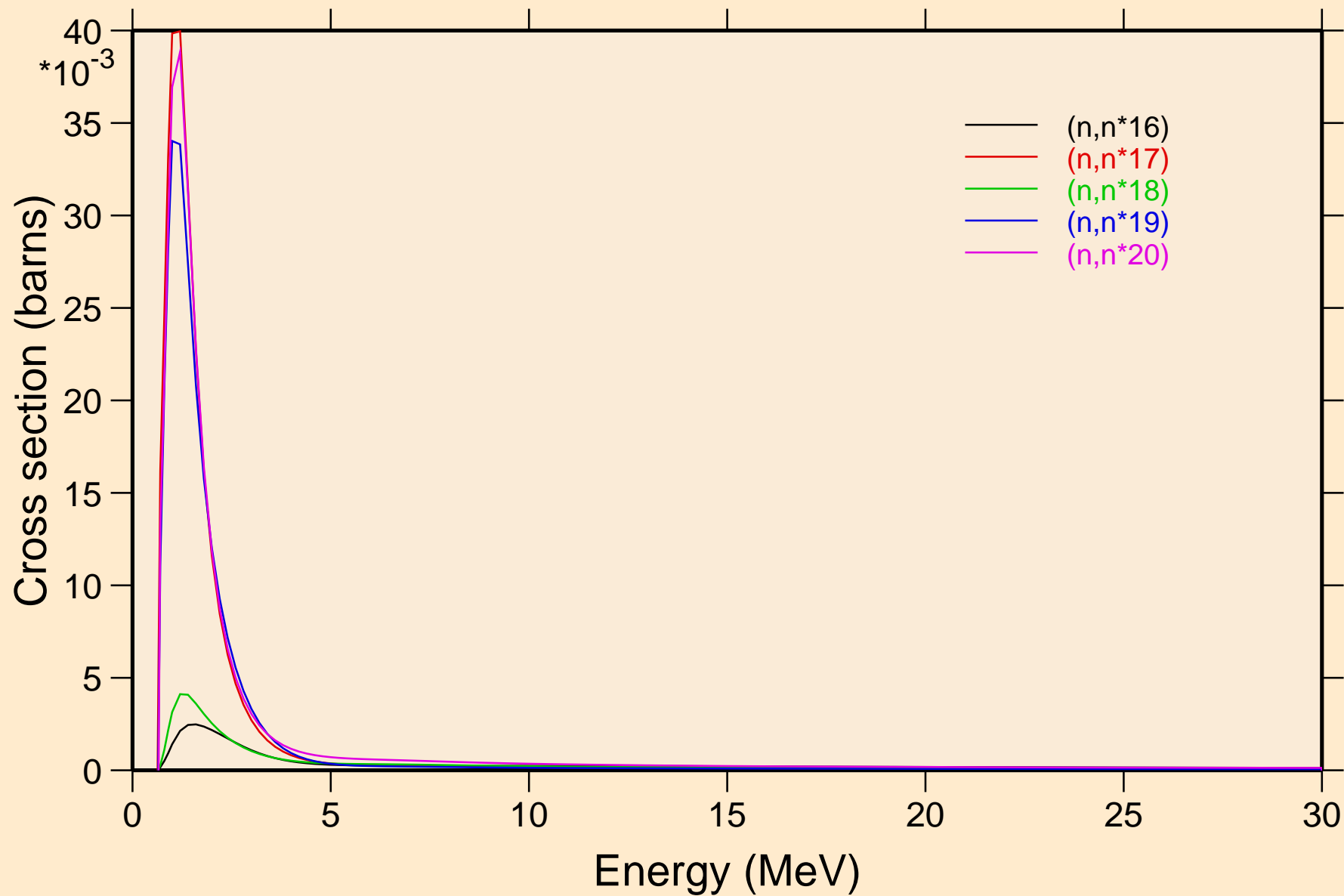
HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



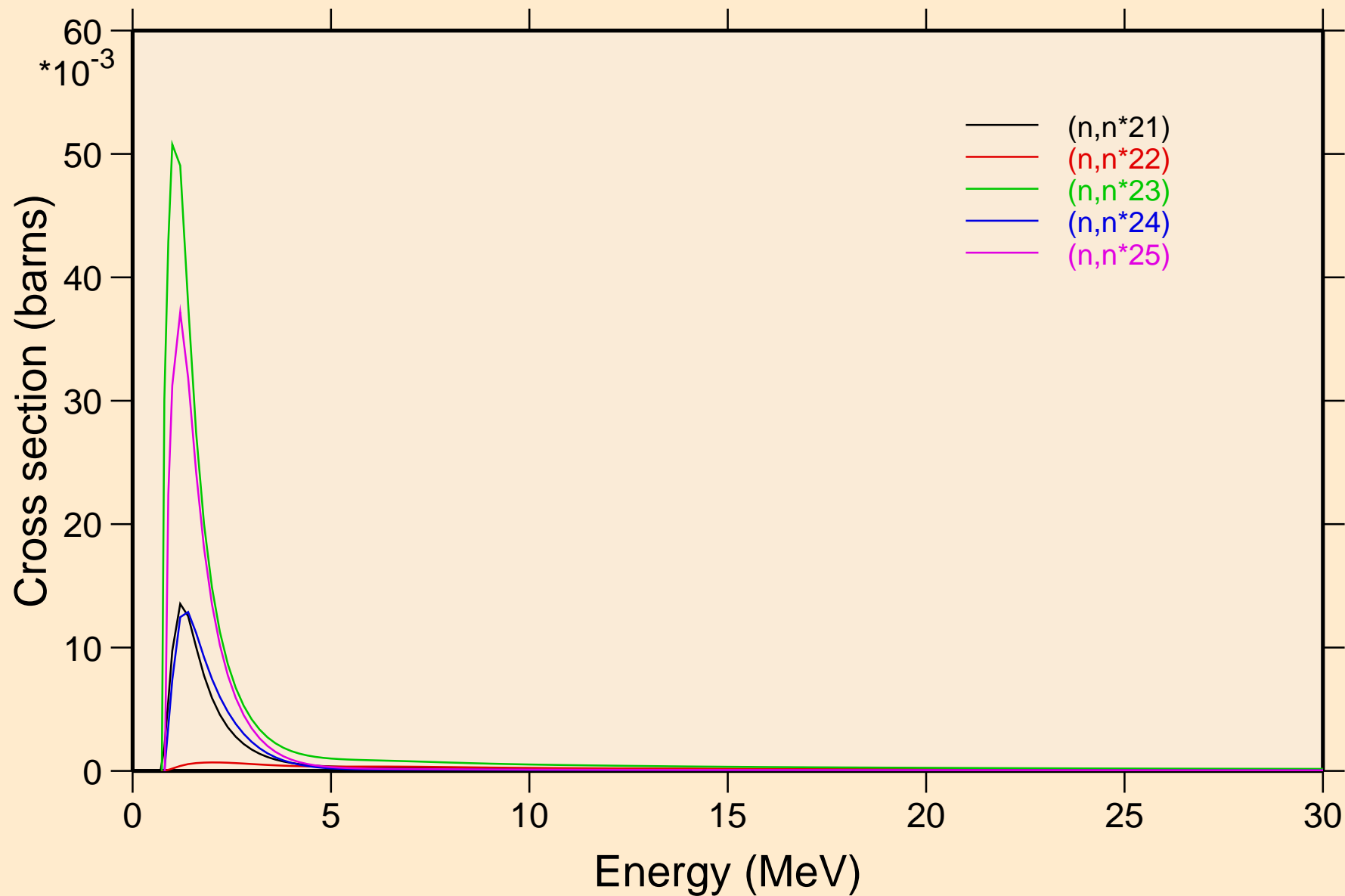
HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



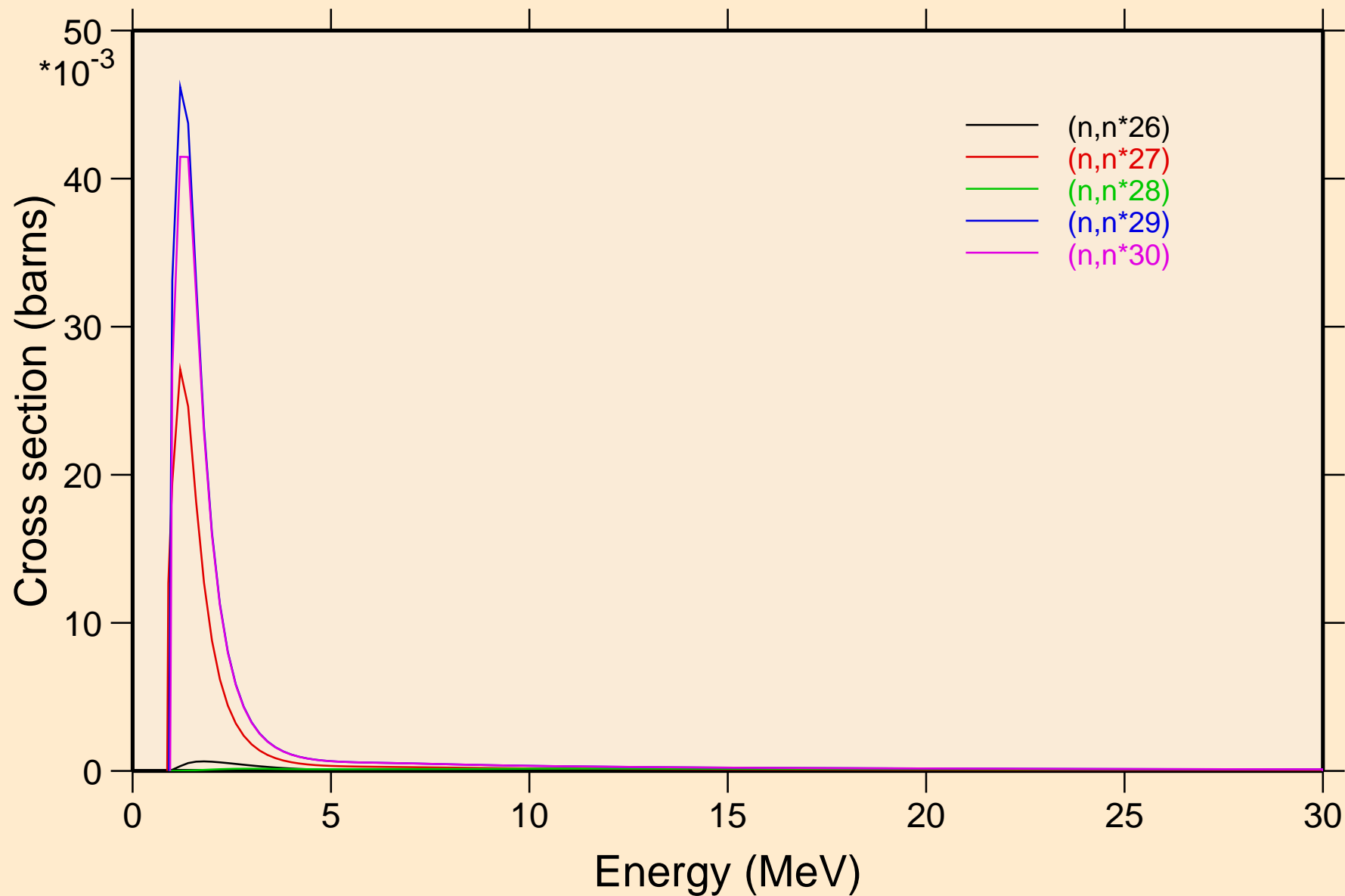
HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels

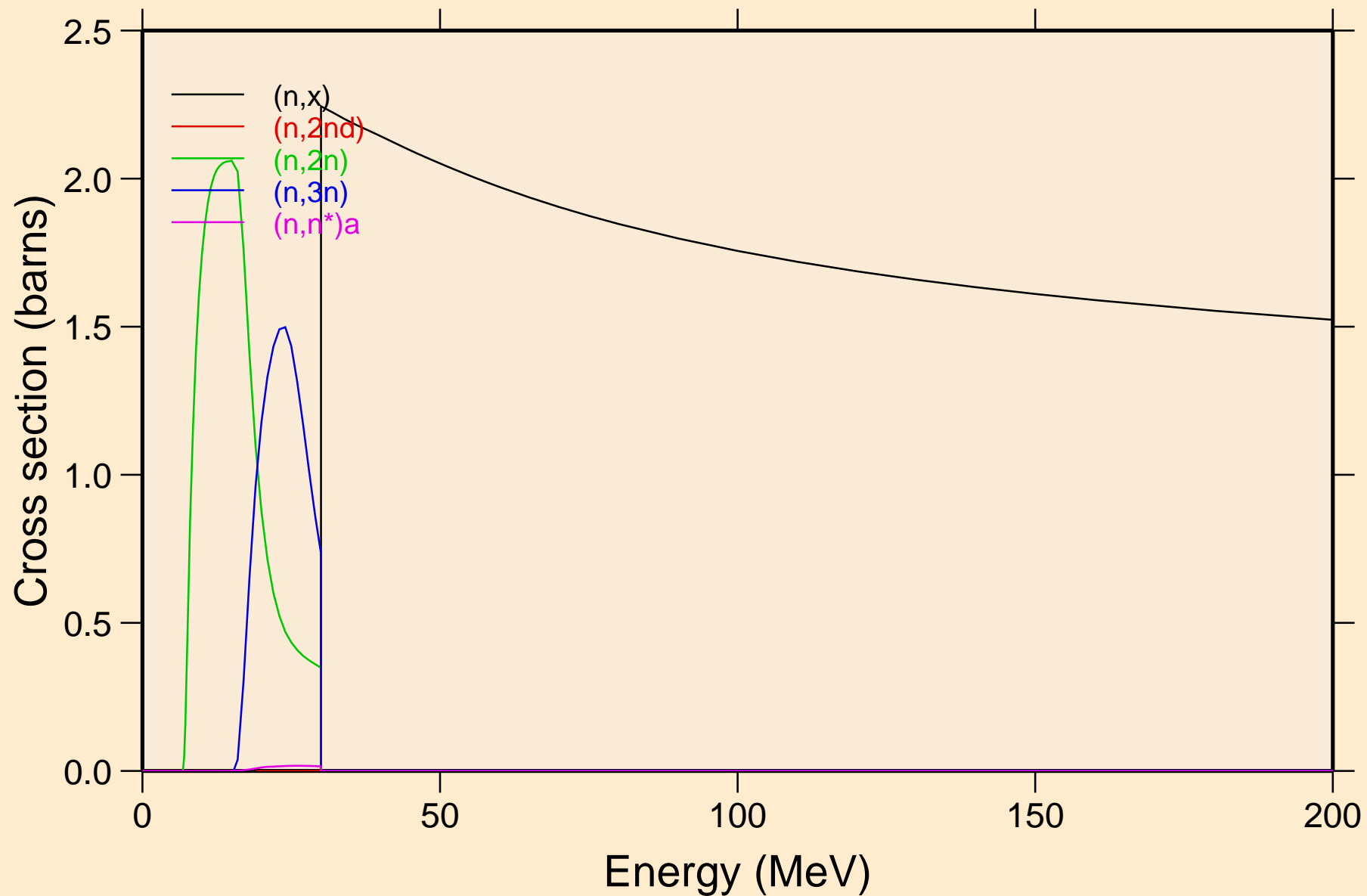


HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



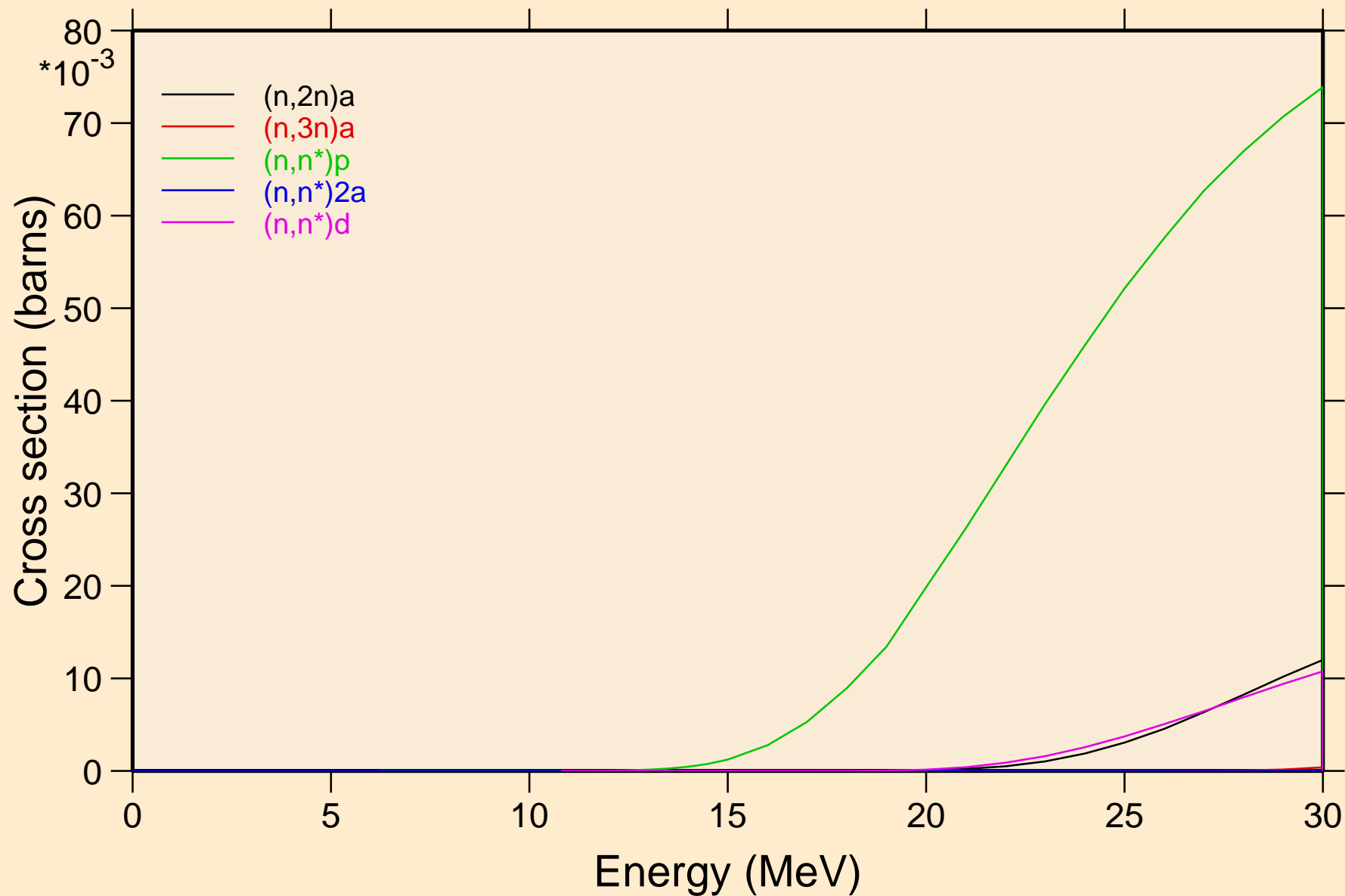
# HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Threshold reactions



# HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

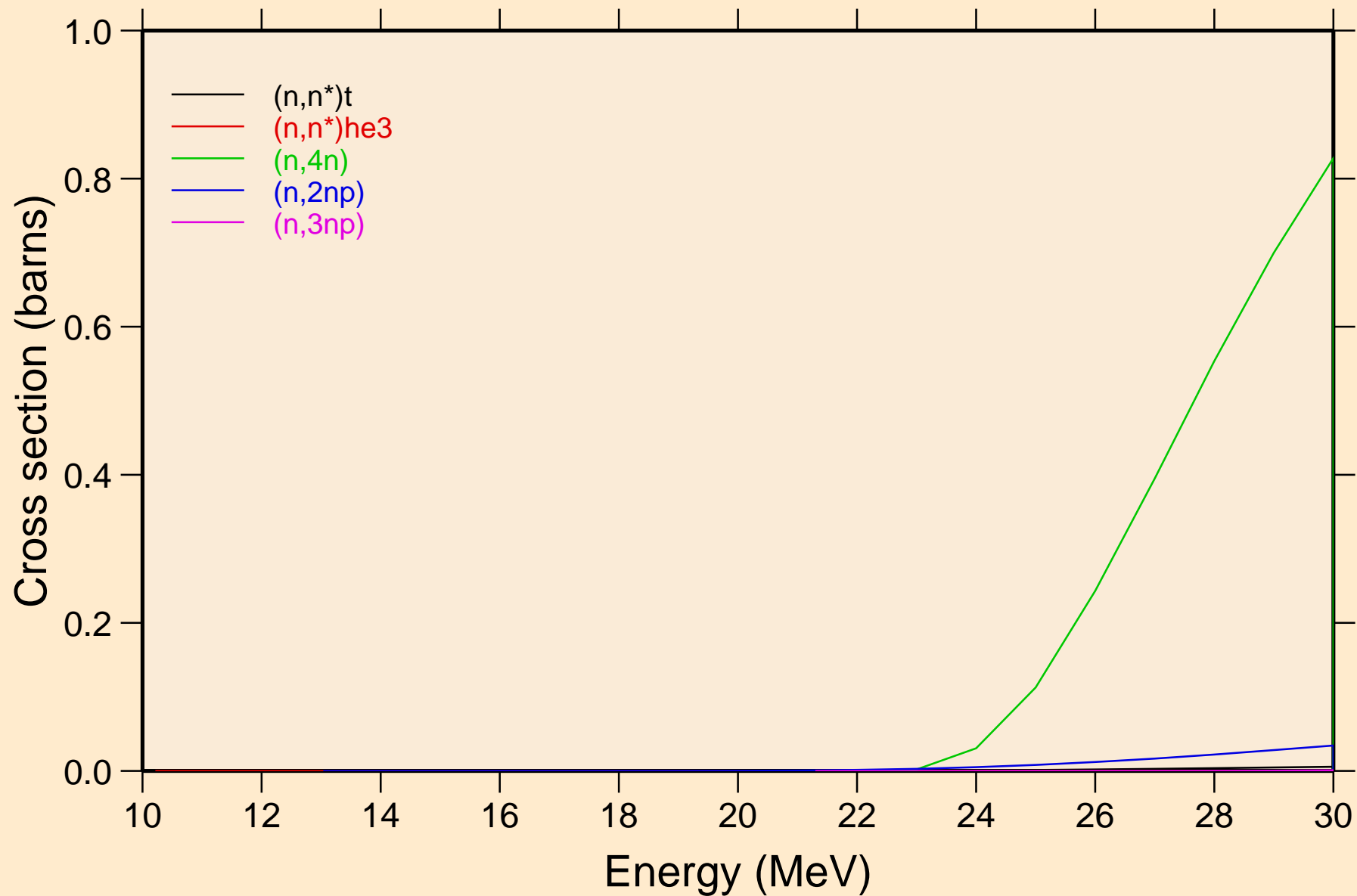
## Threshold reactions



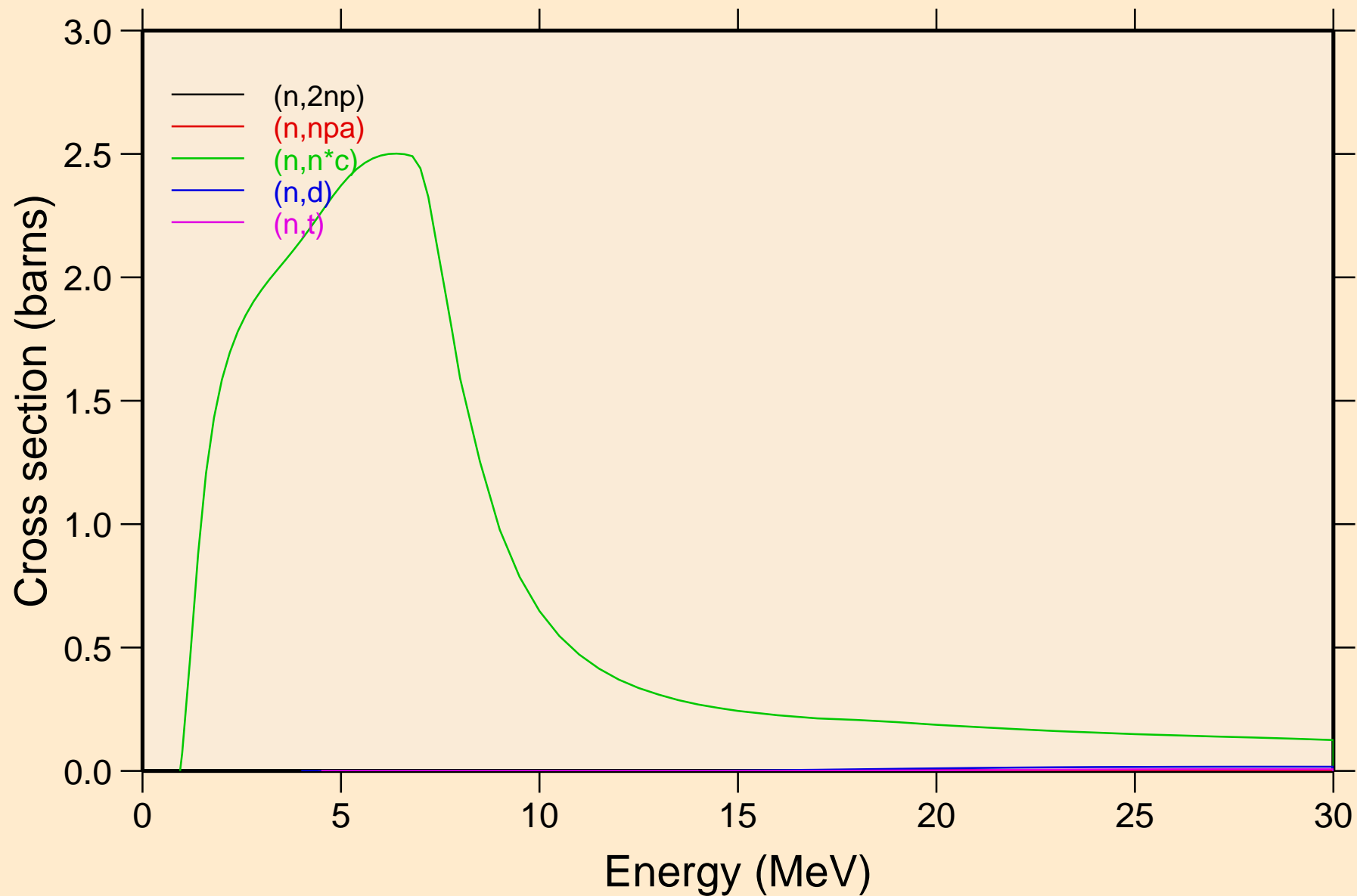


# HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Threshold reactions

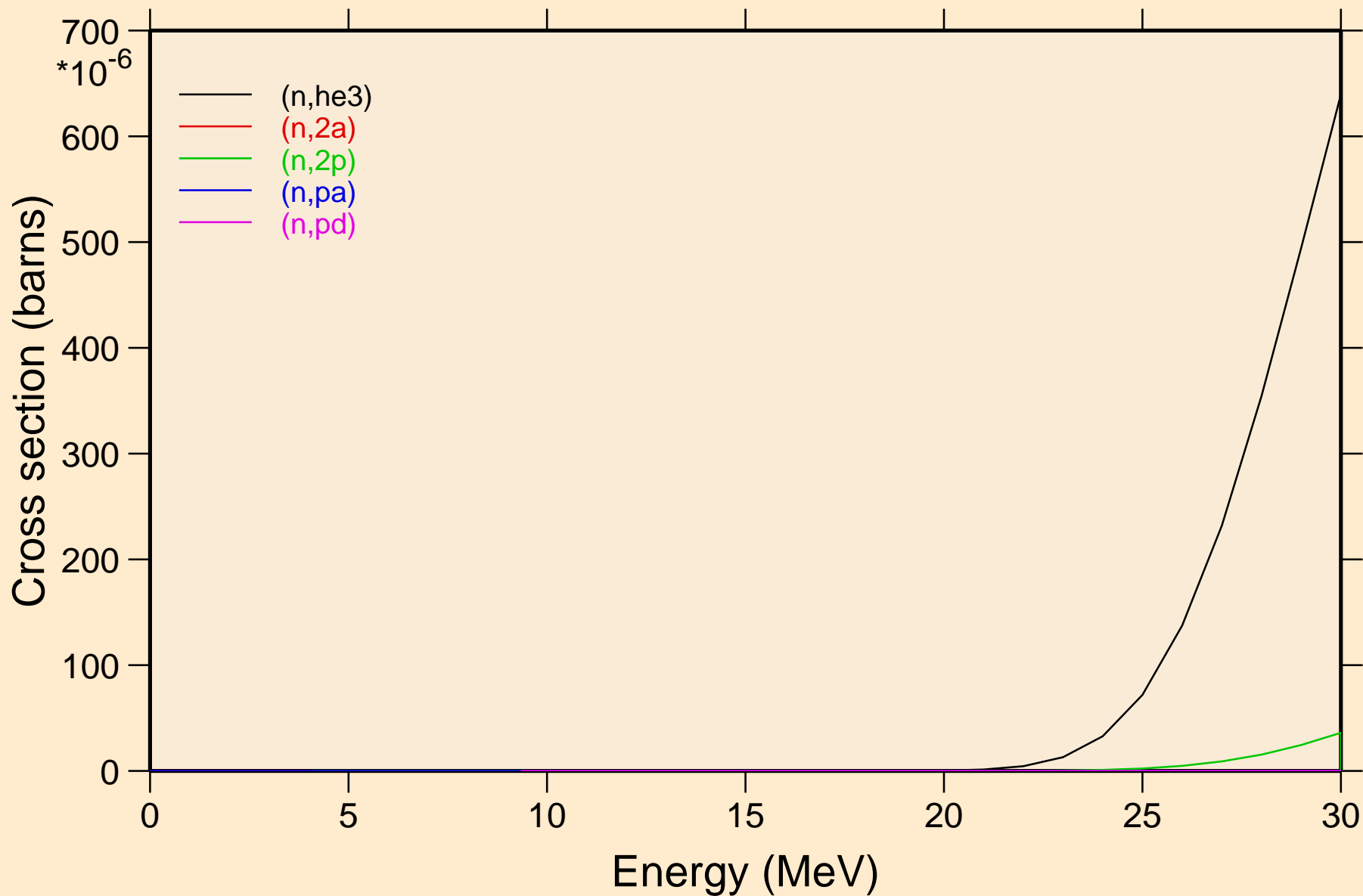


HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

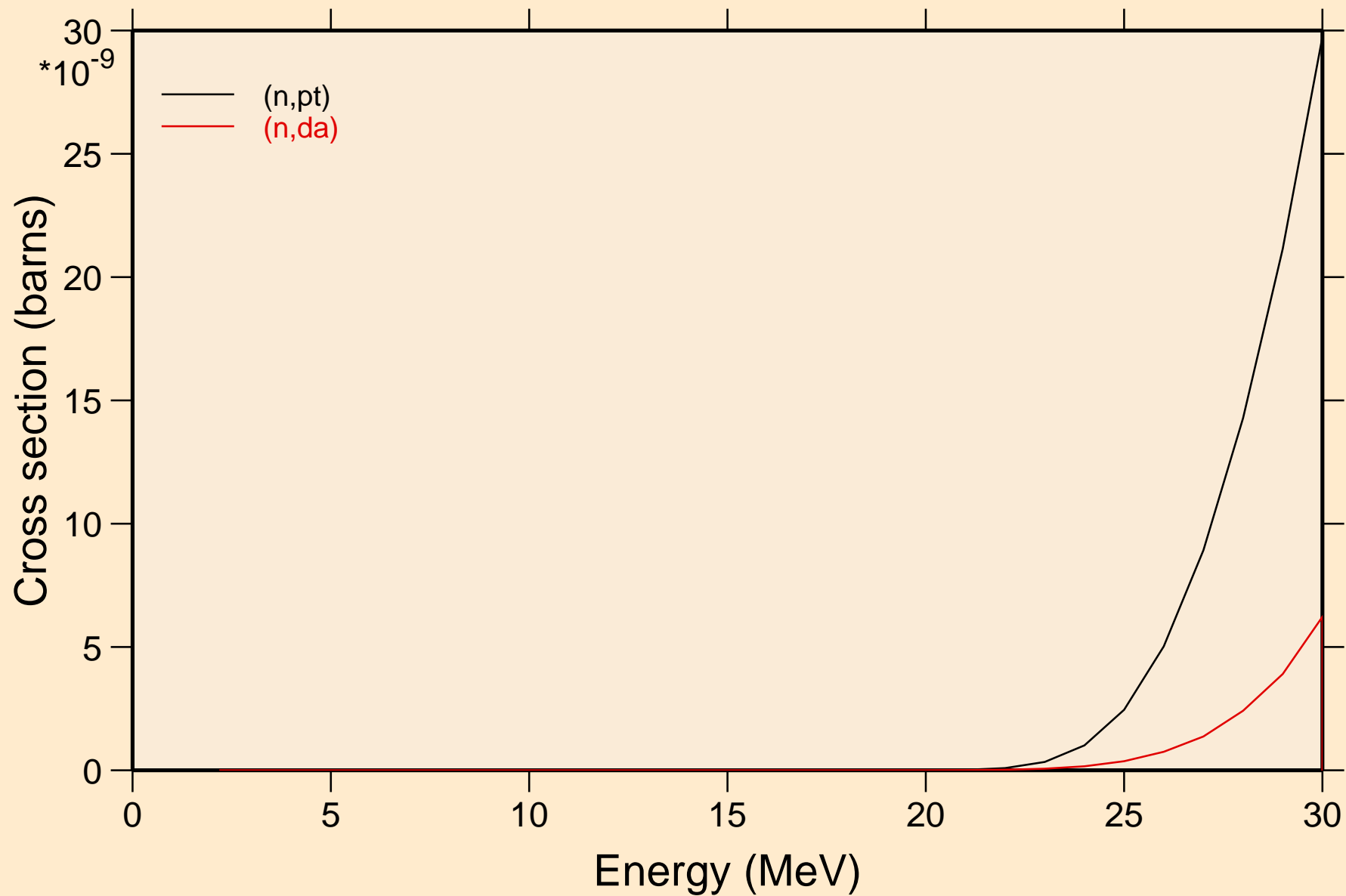


# HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Threshold reactions

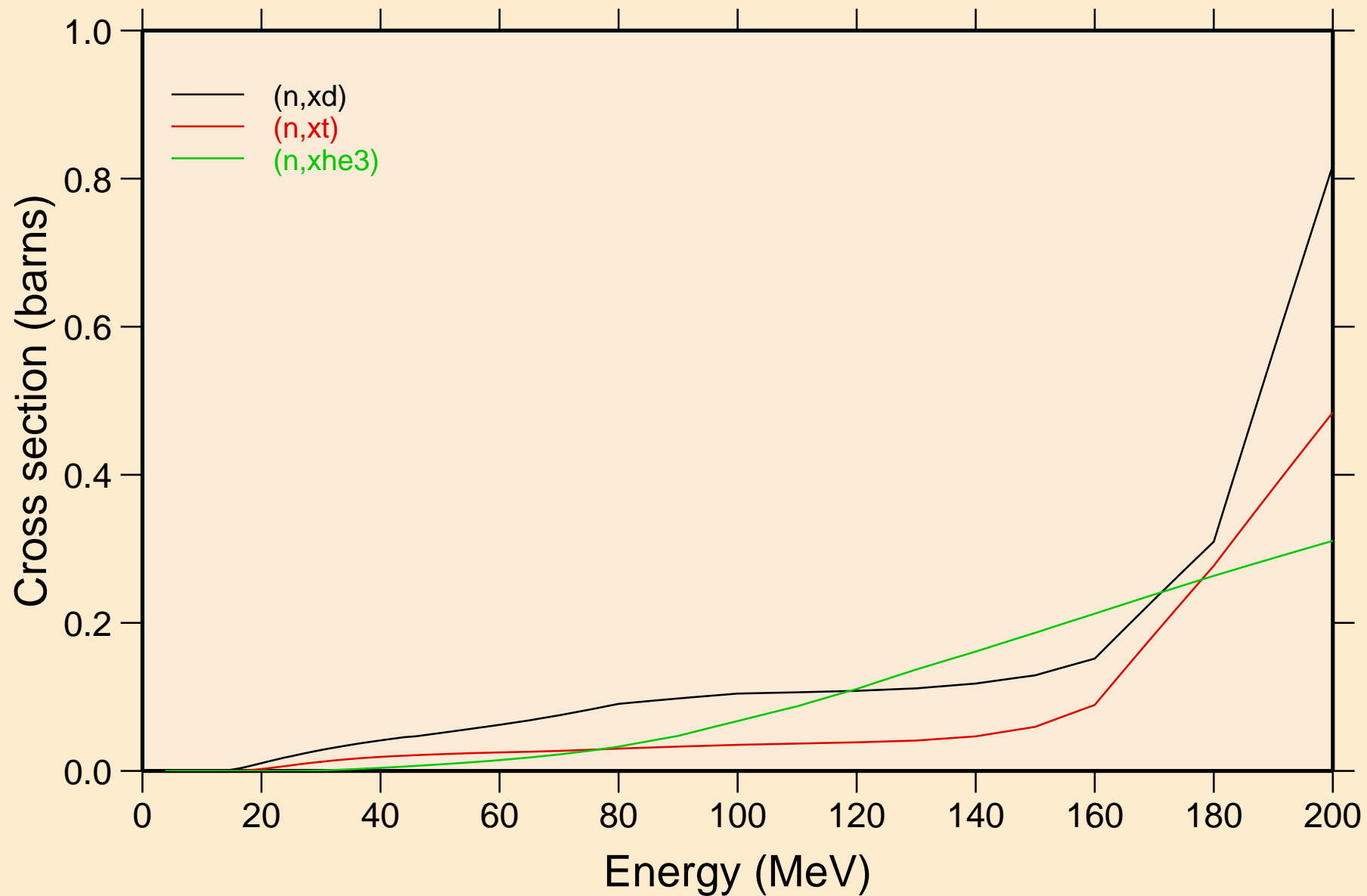


HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

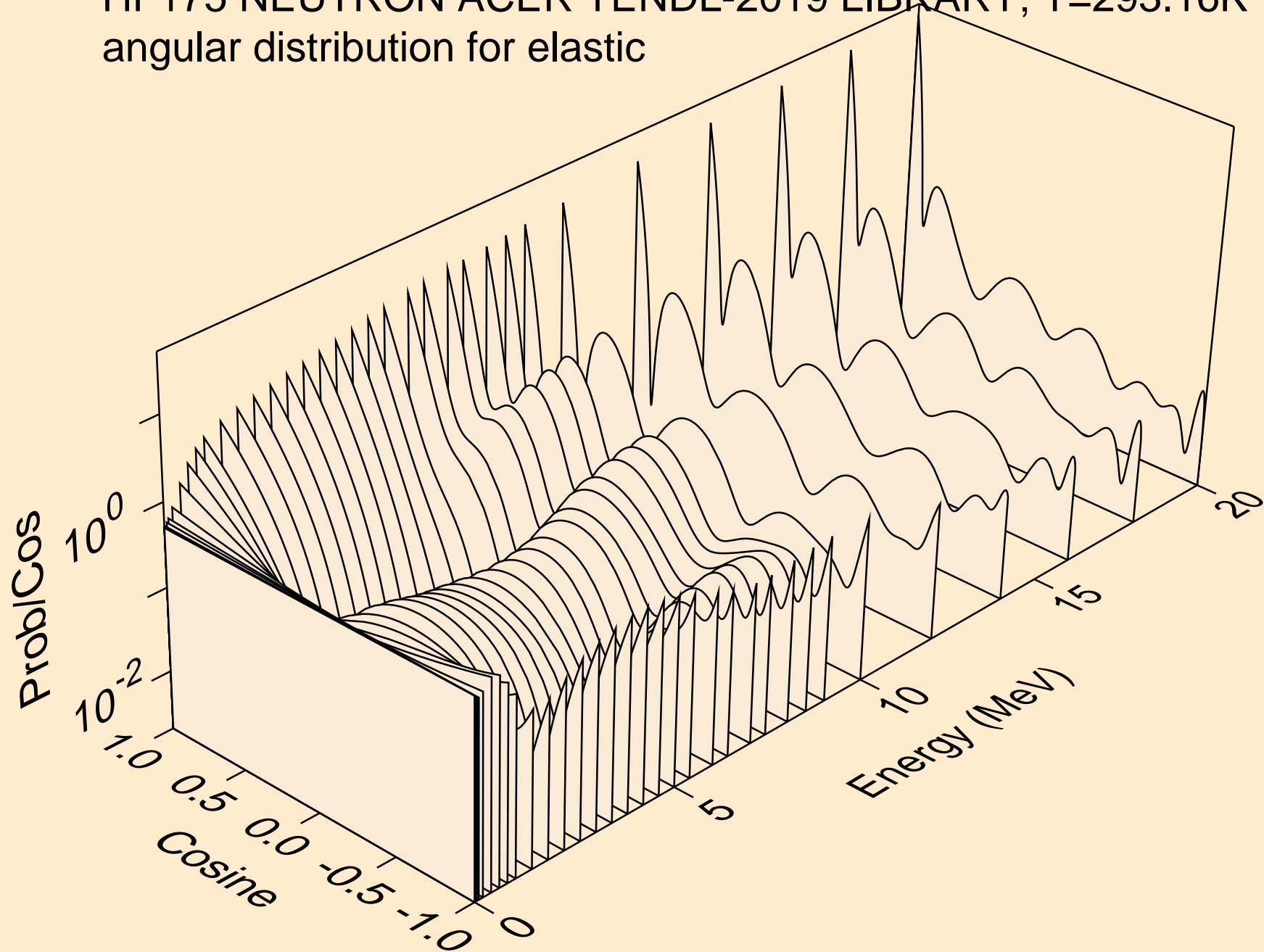


# HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

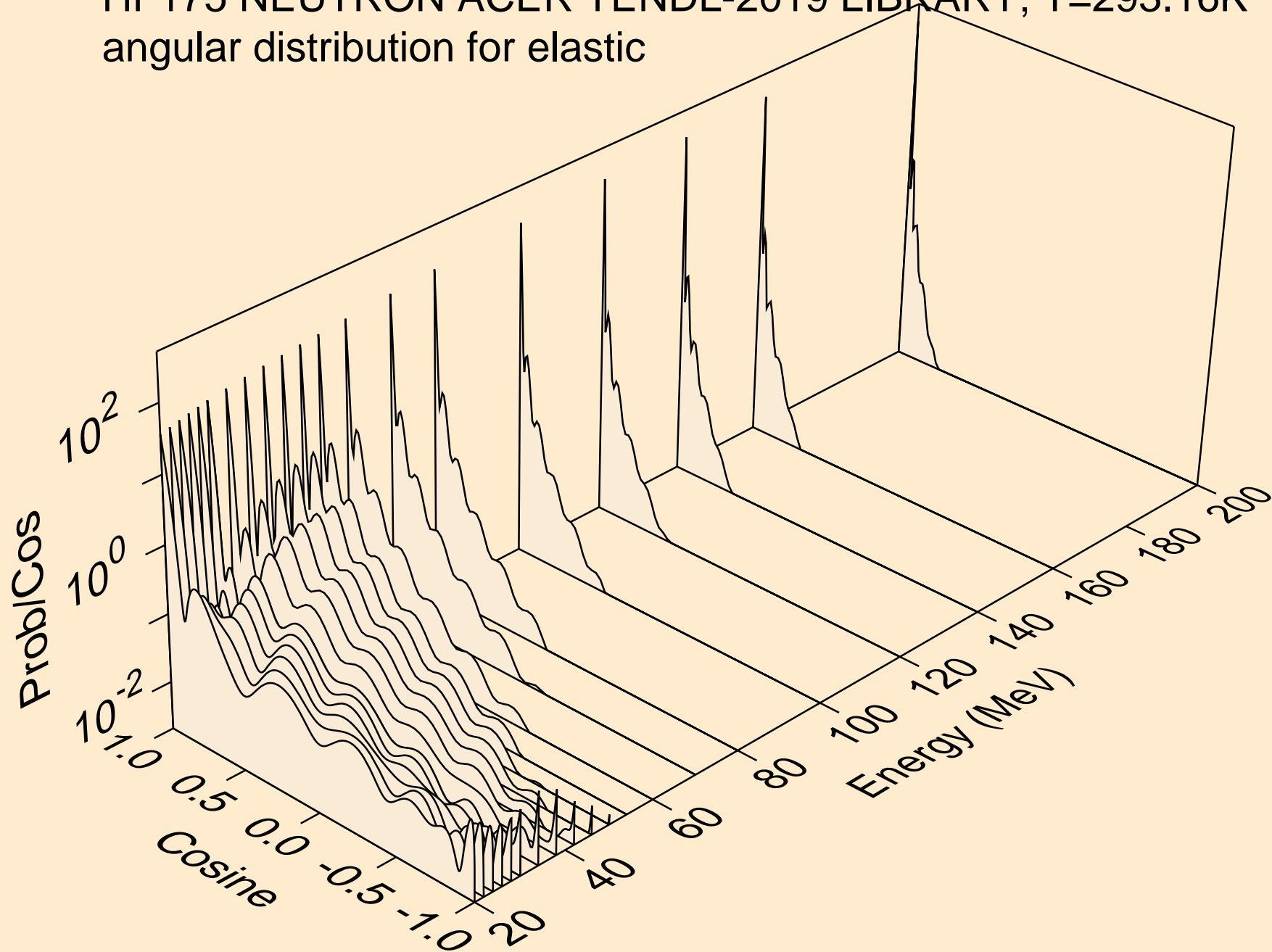
## Threshold reactions



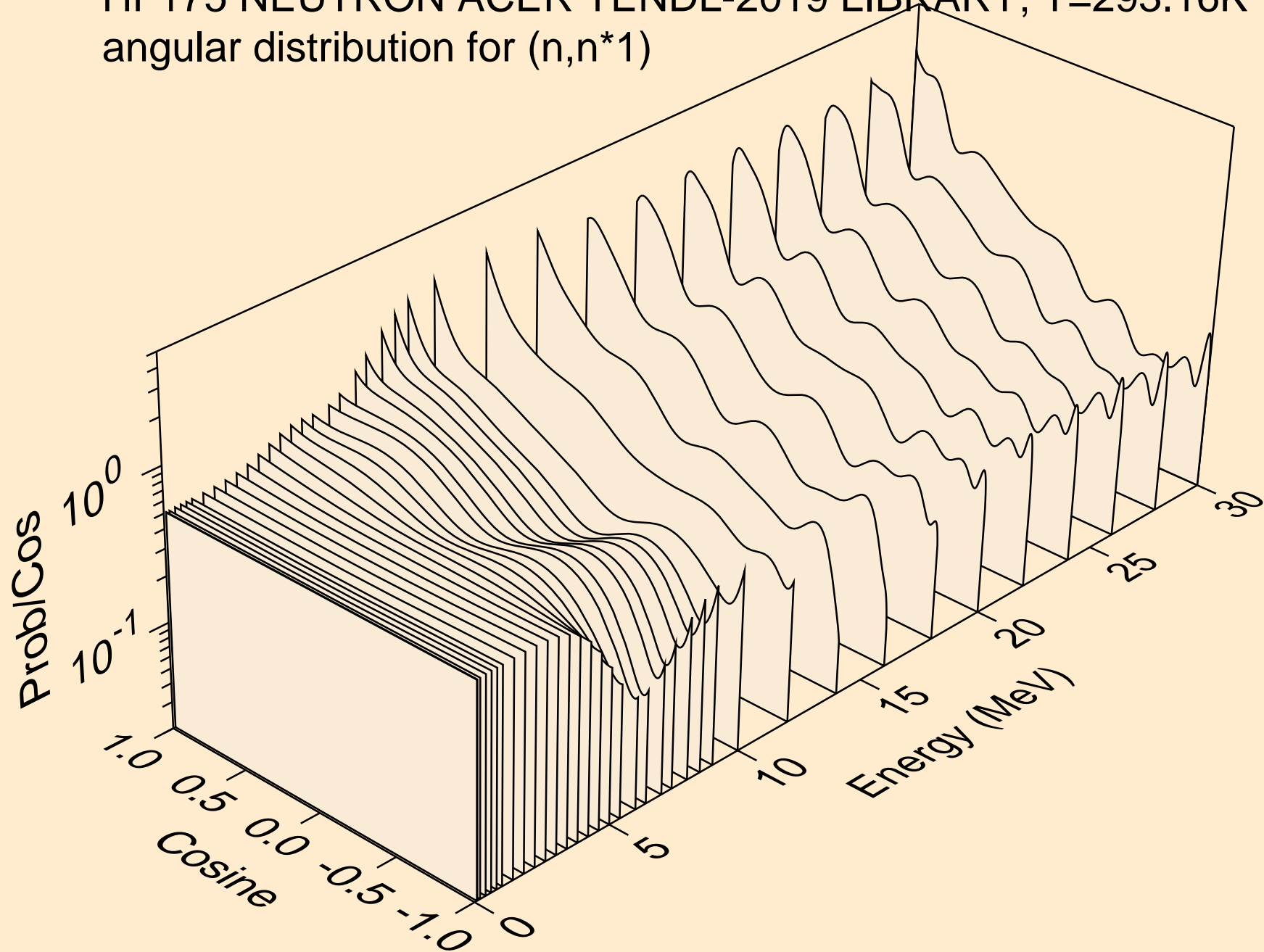
HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic



HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic

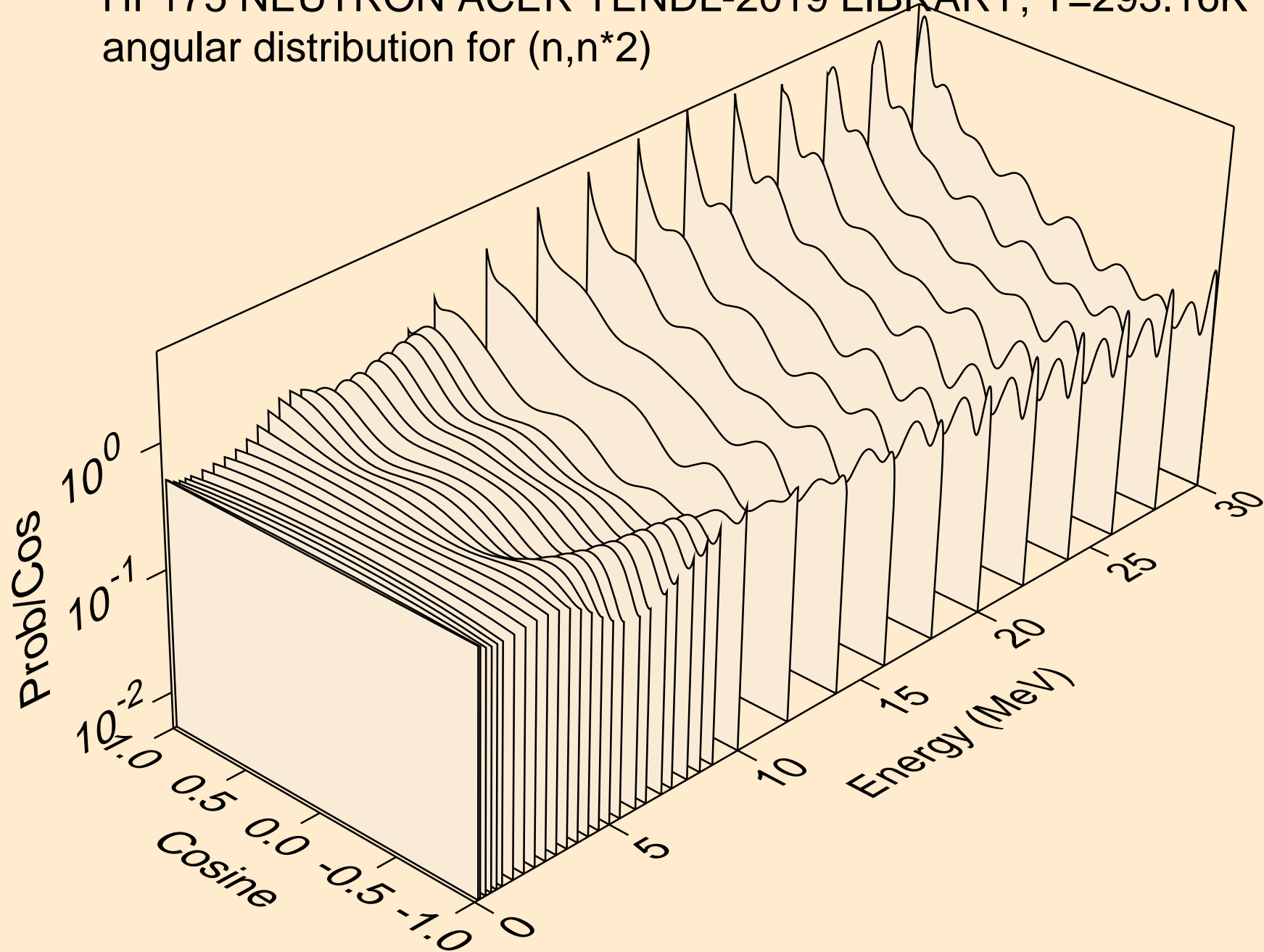


HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*1)

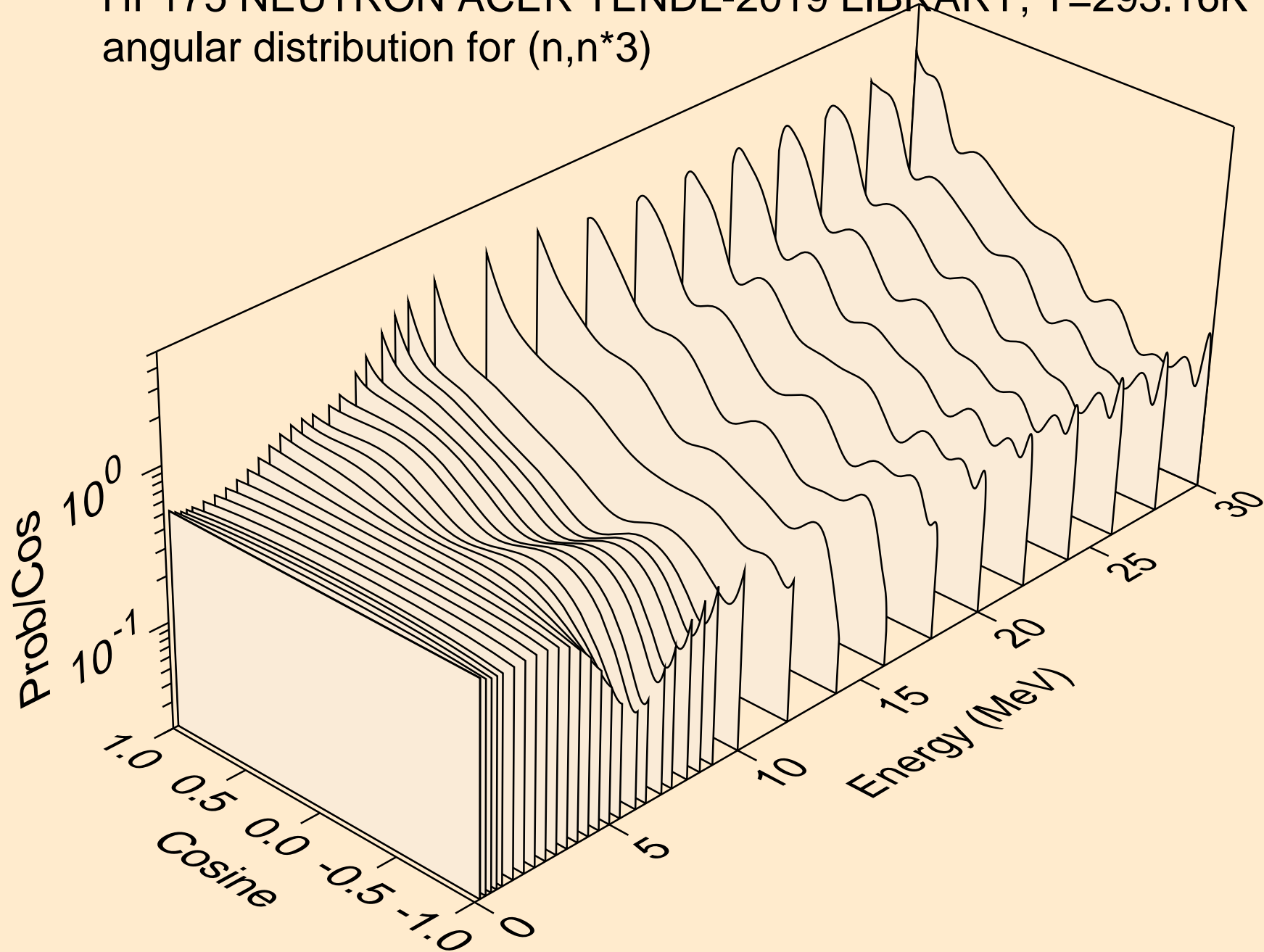




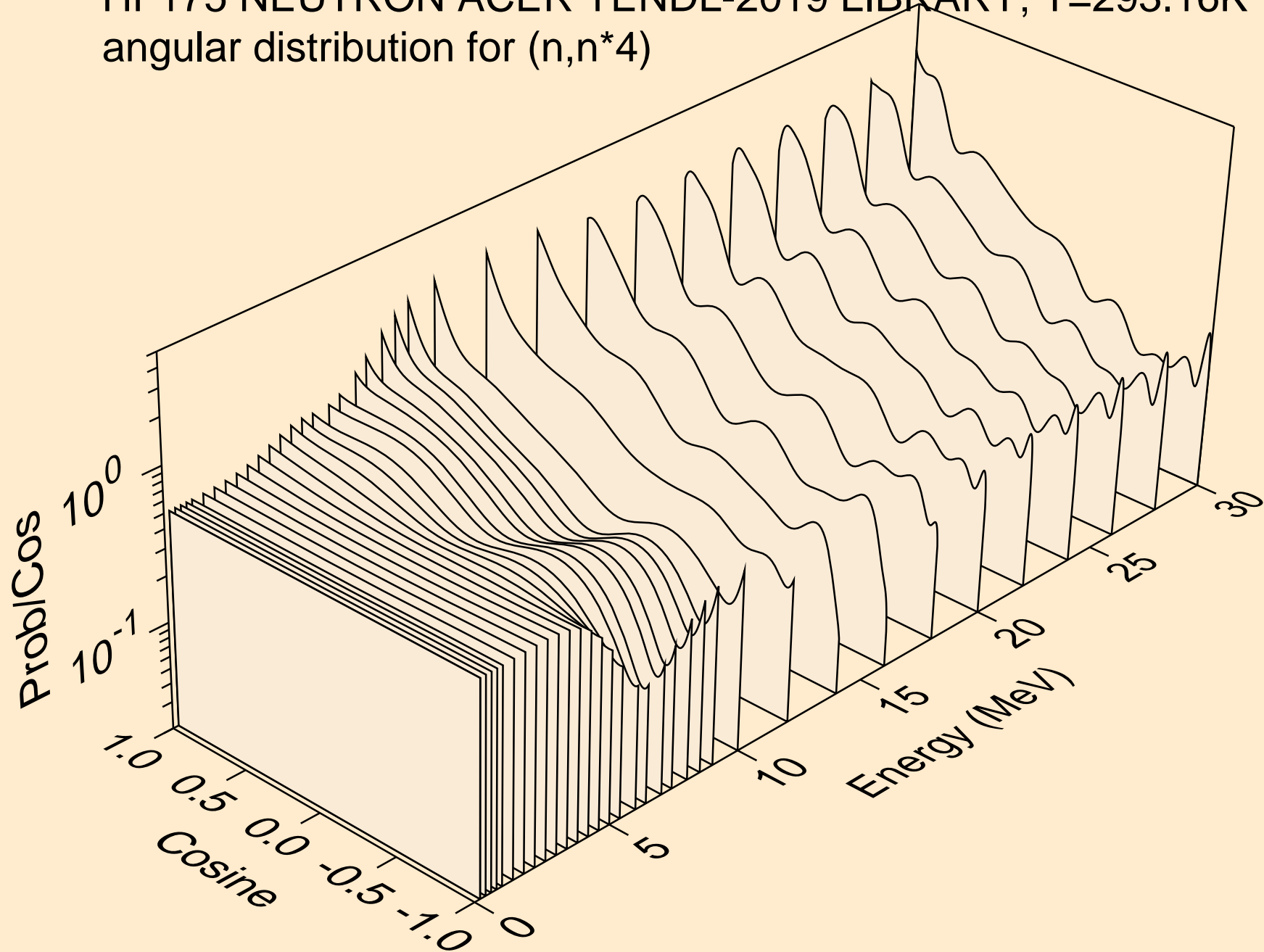
HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*2)



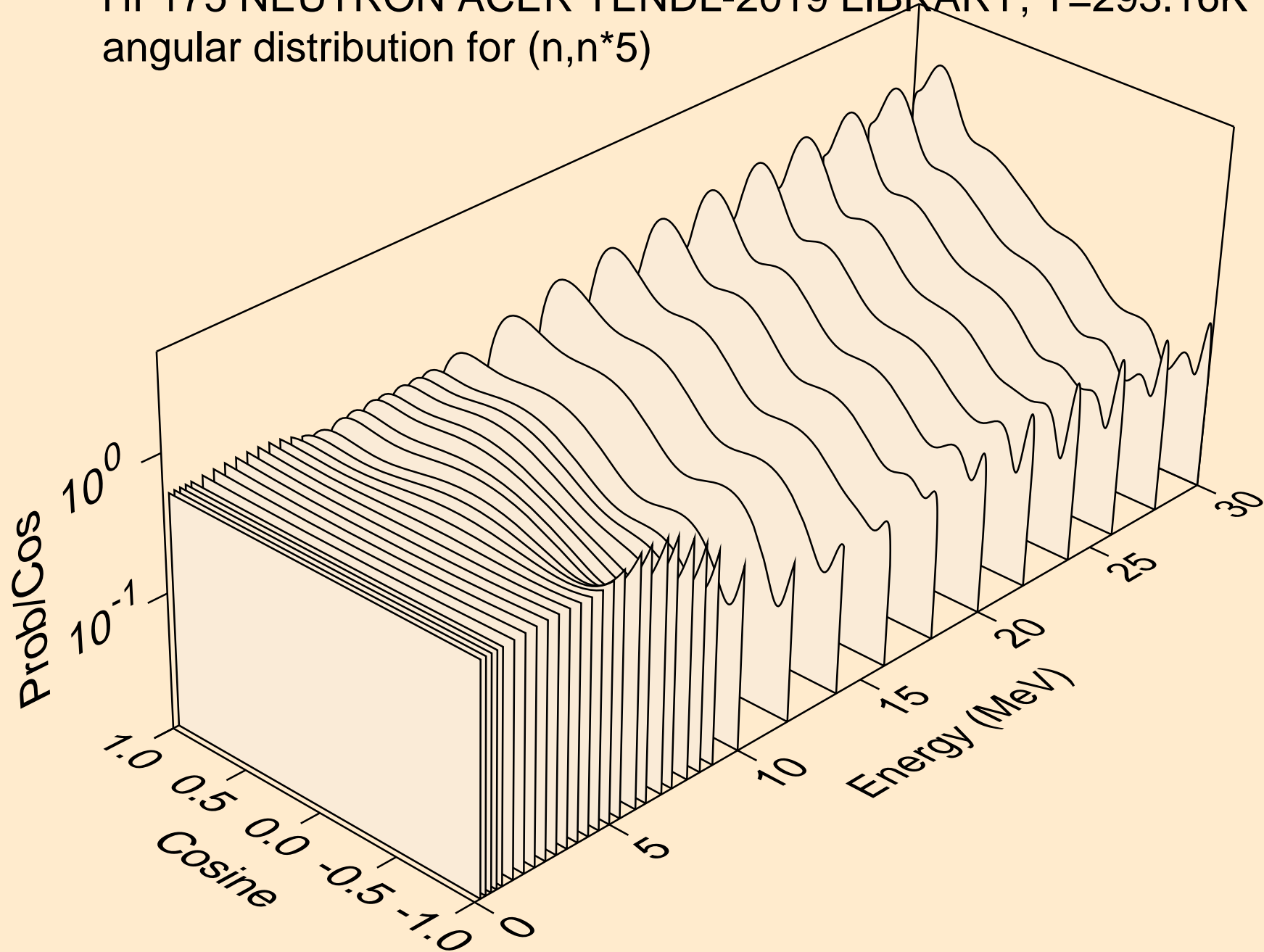
HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*3)



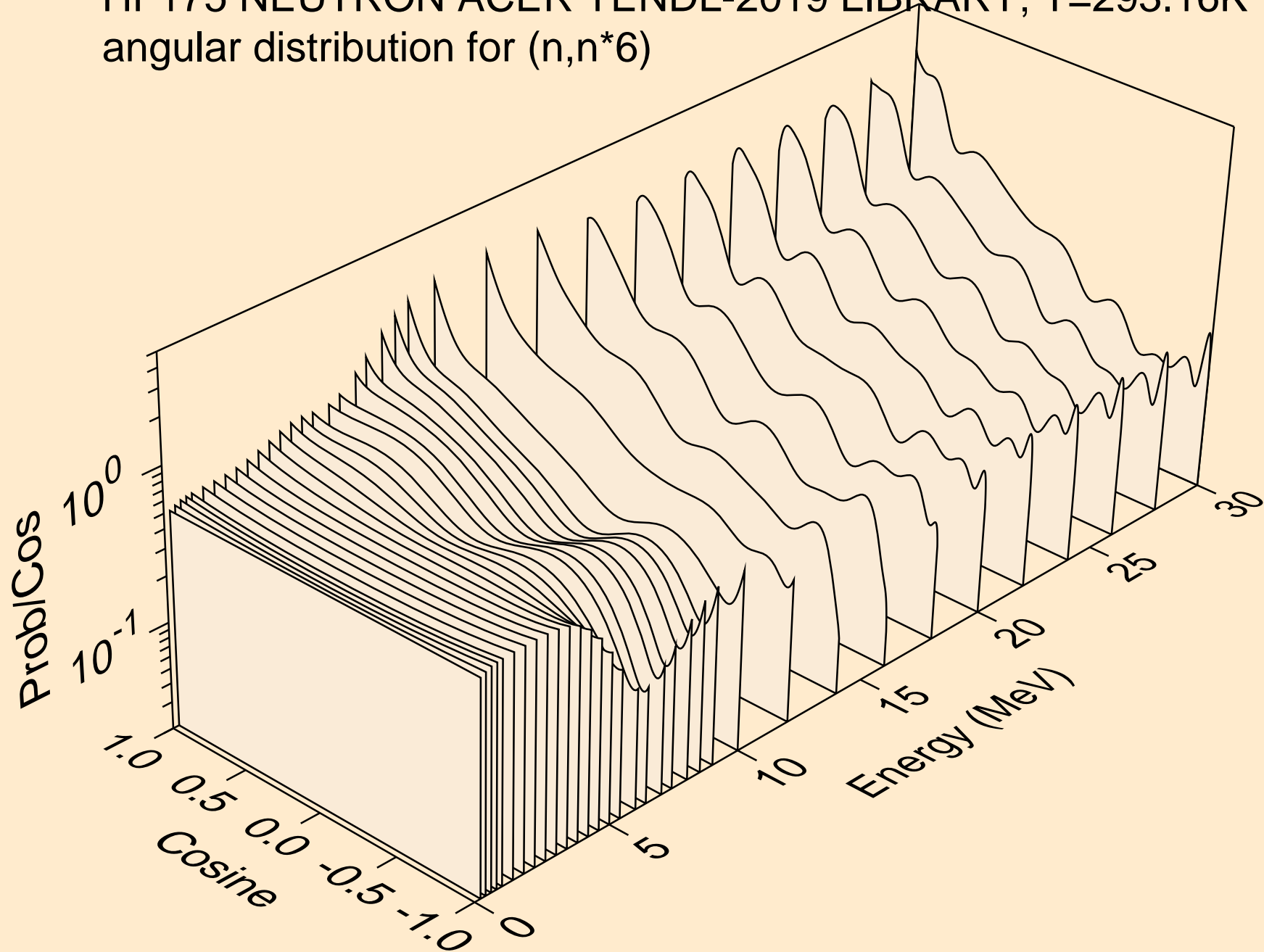
HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*4)



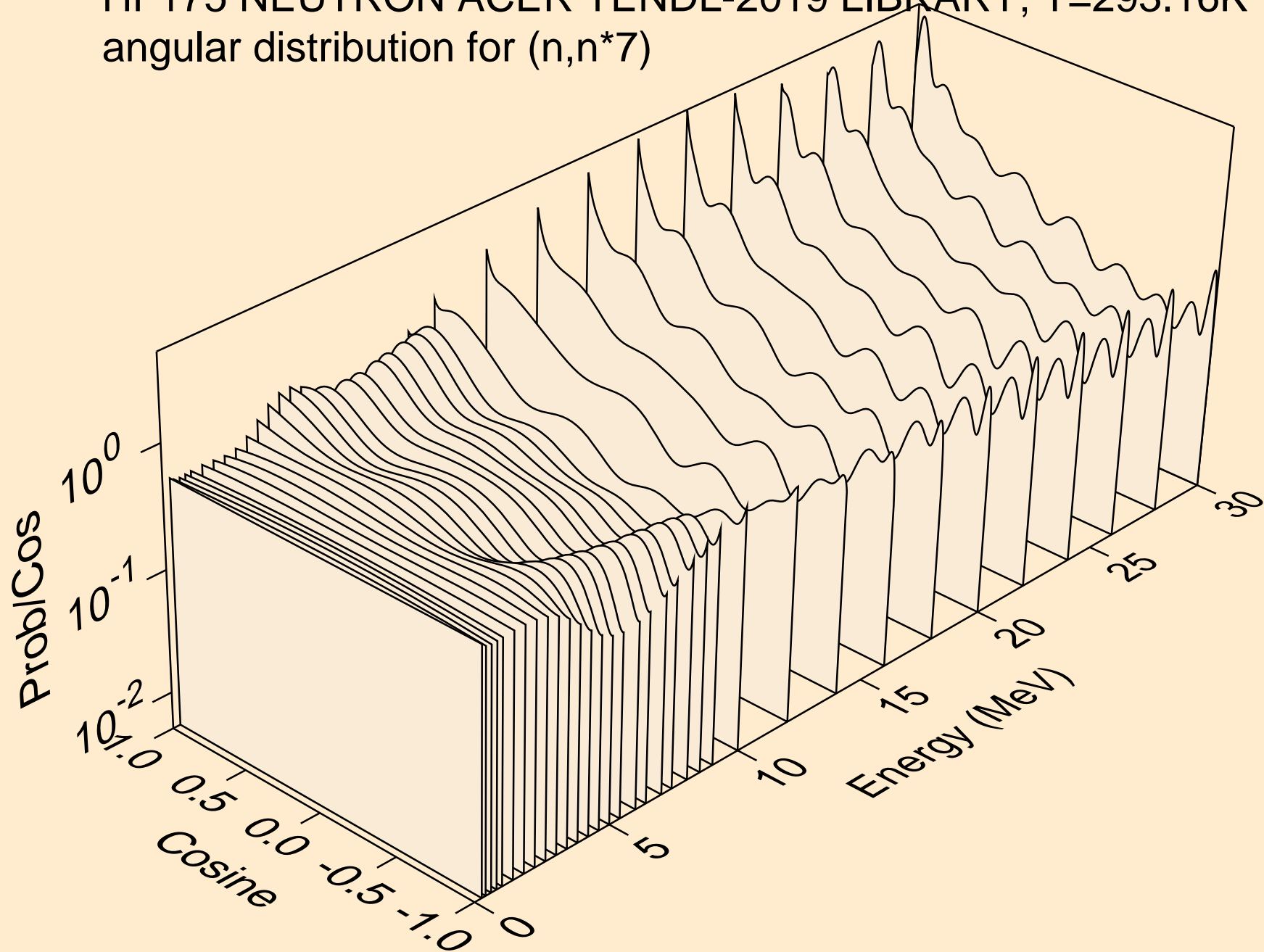
HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*5)



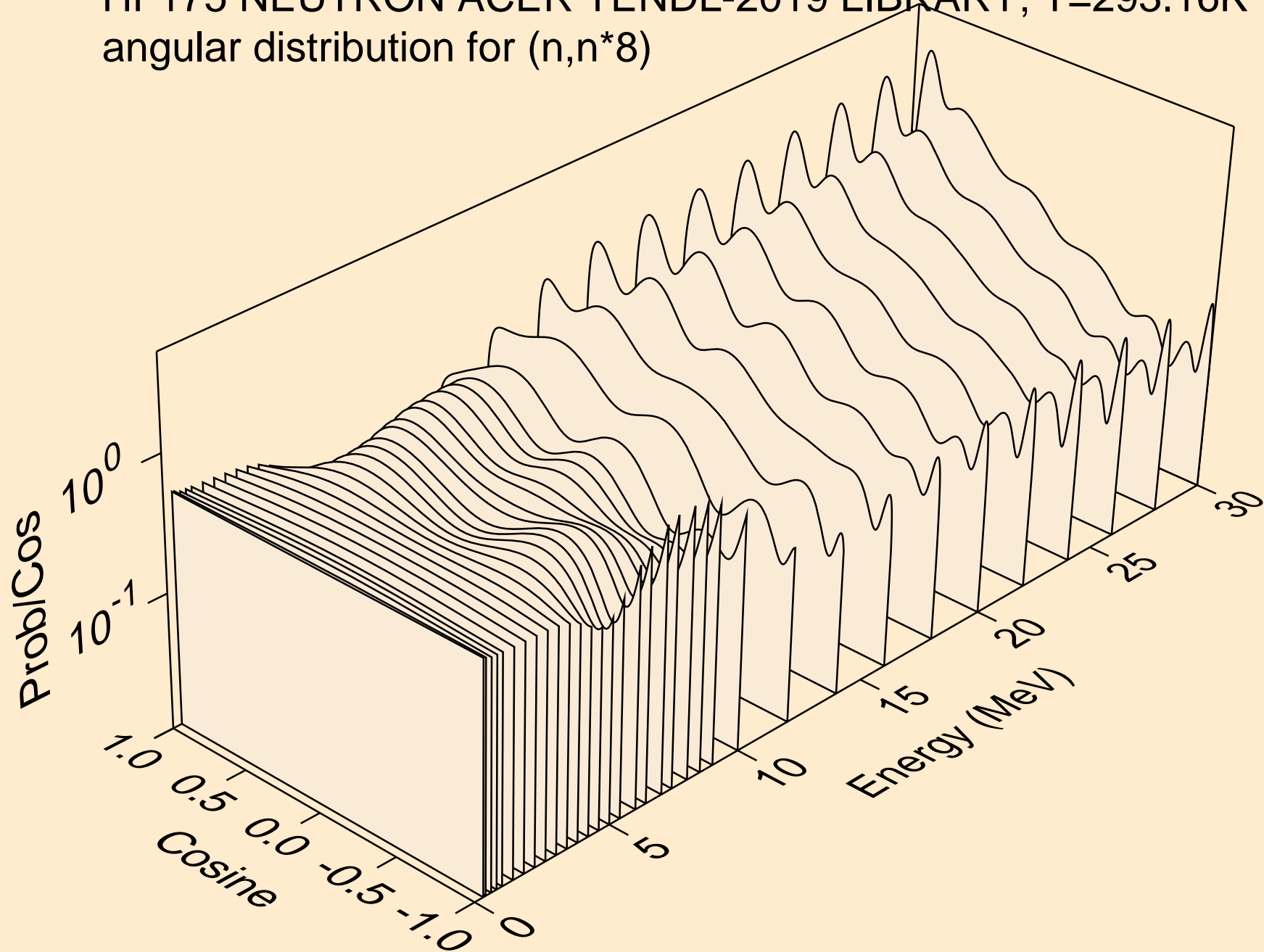
HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*6)



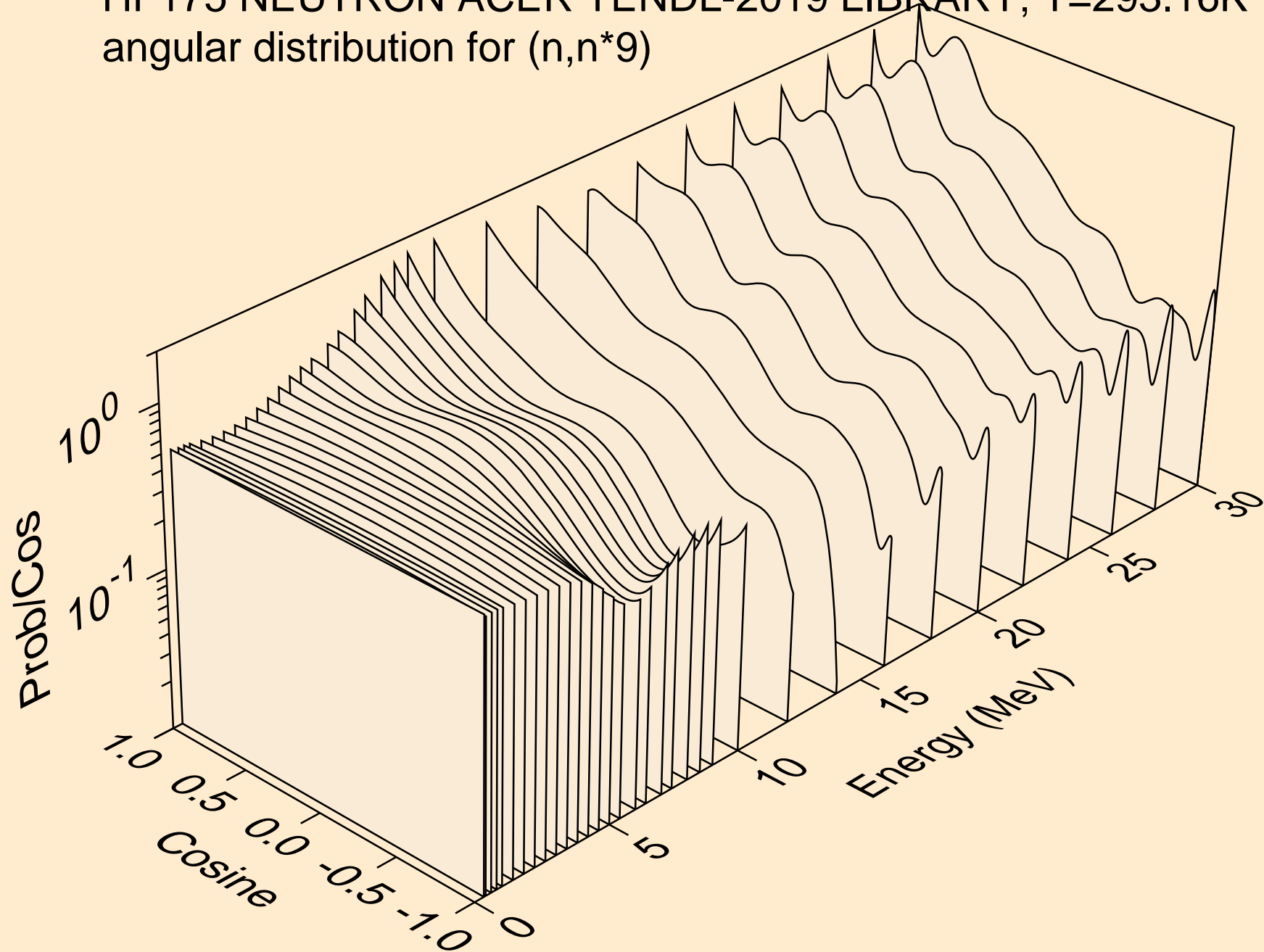
HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*7)



HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*8)

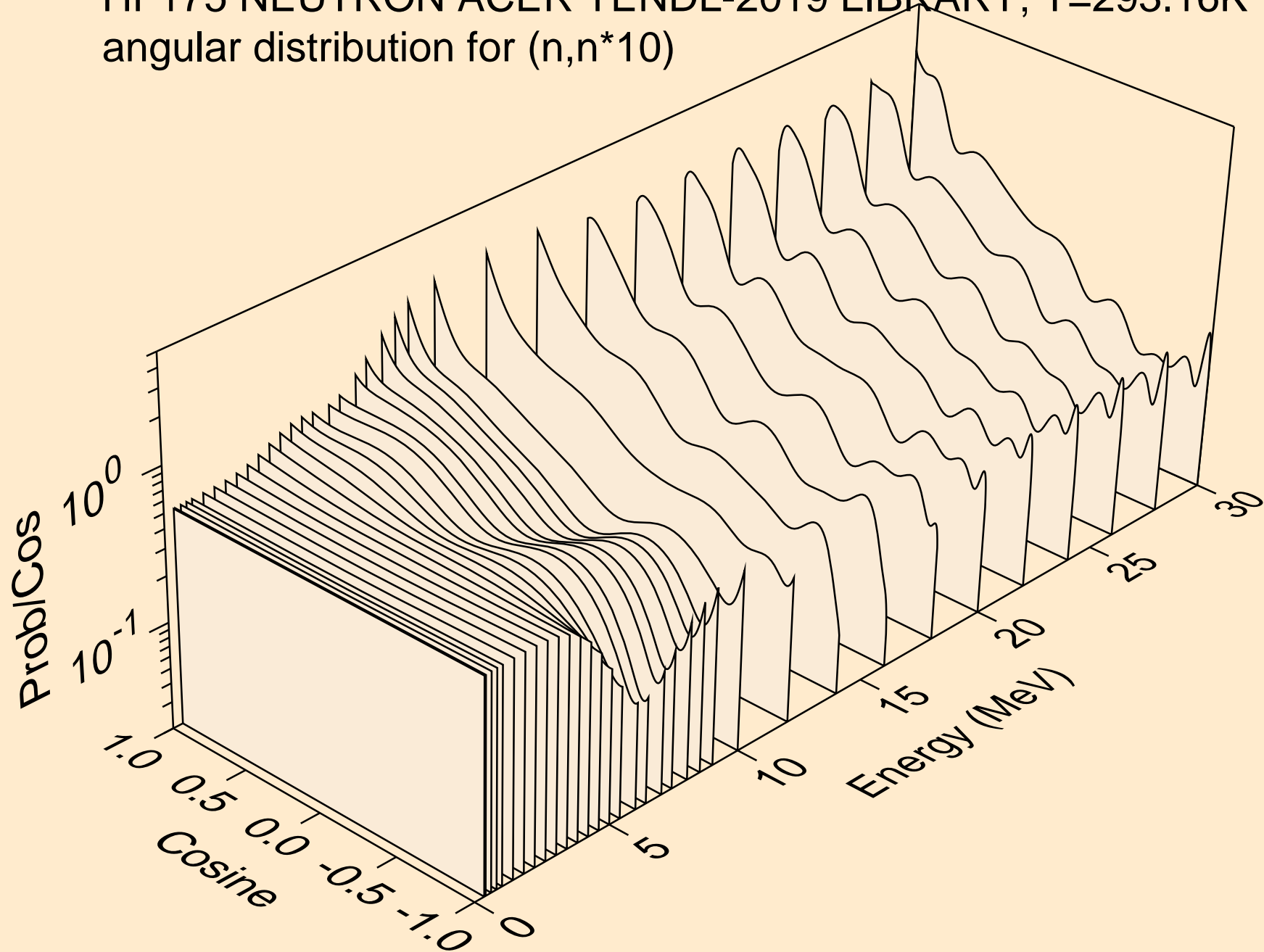


HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*9)

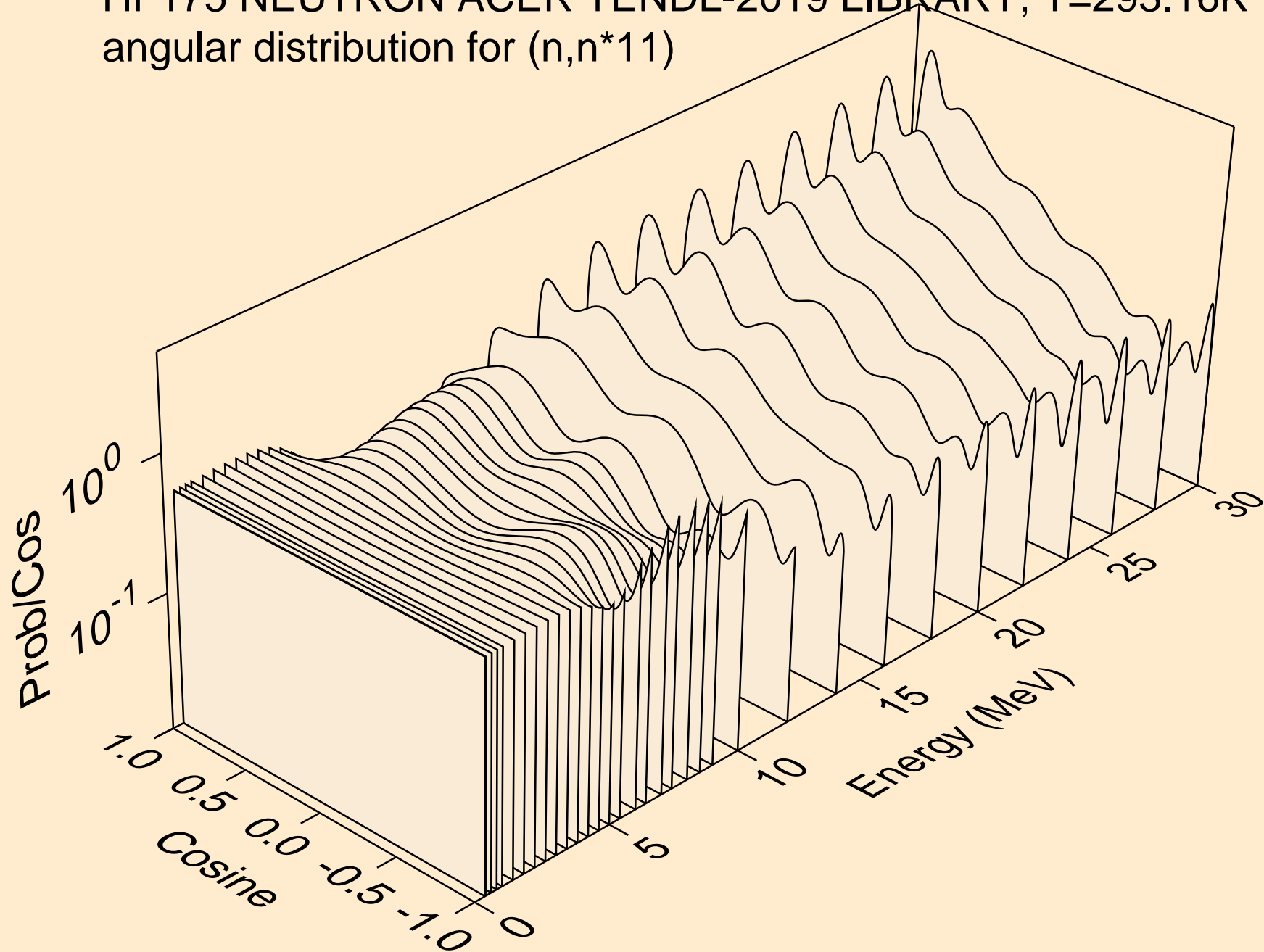




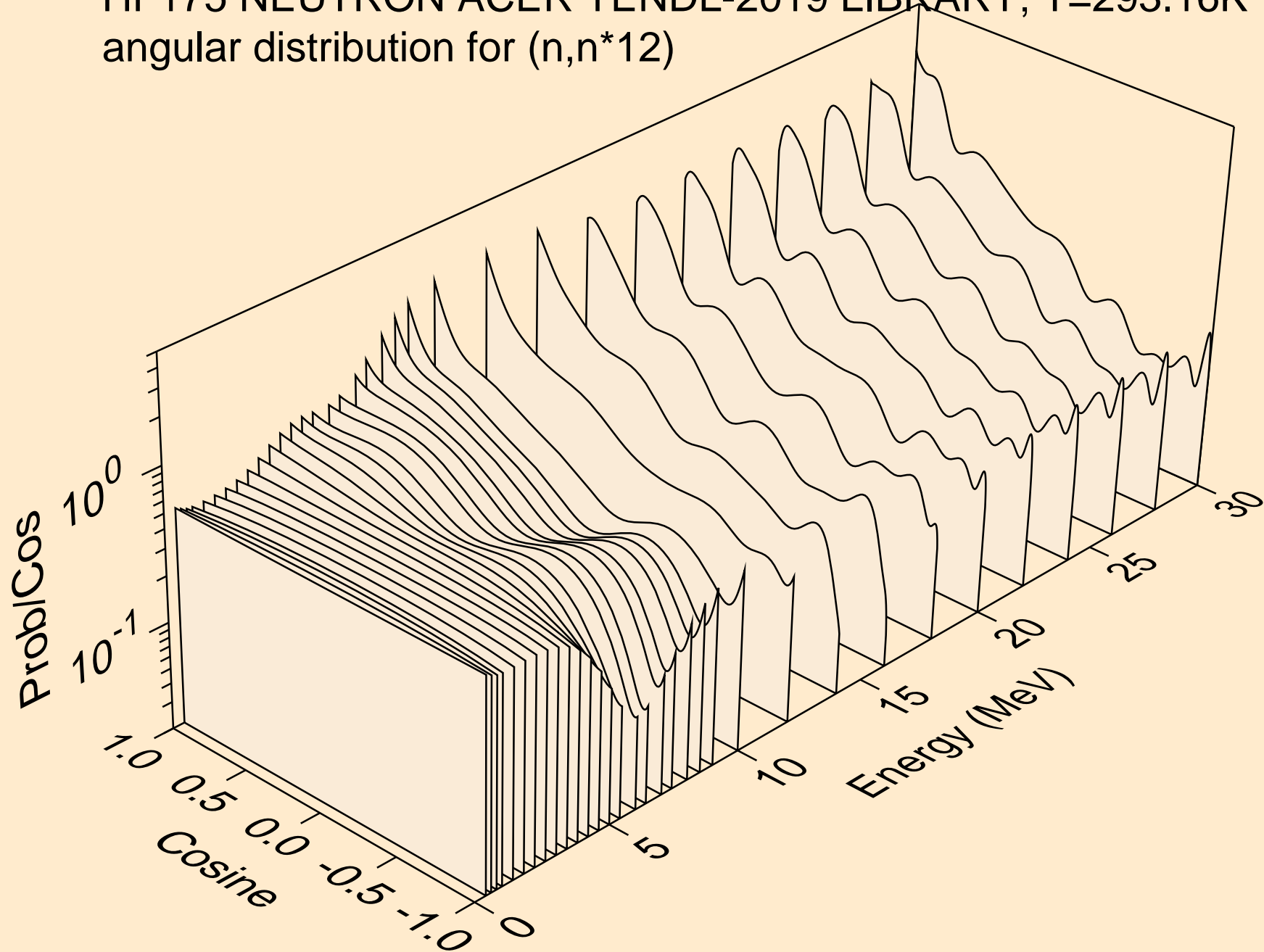
HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*10)



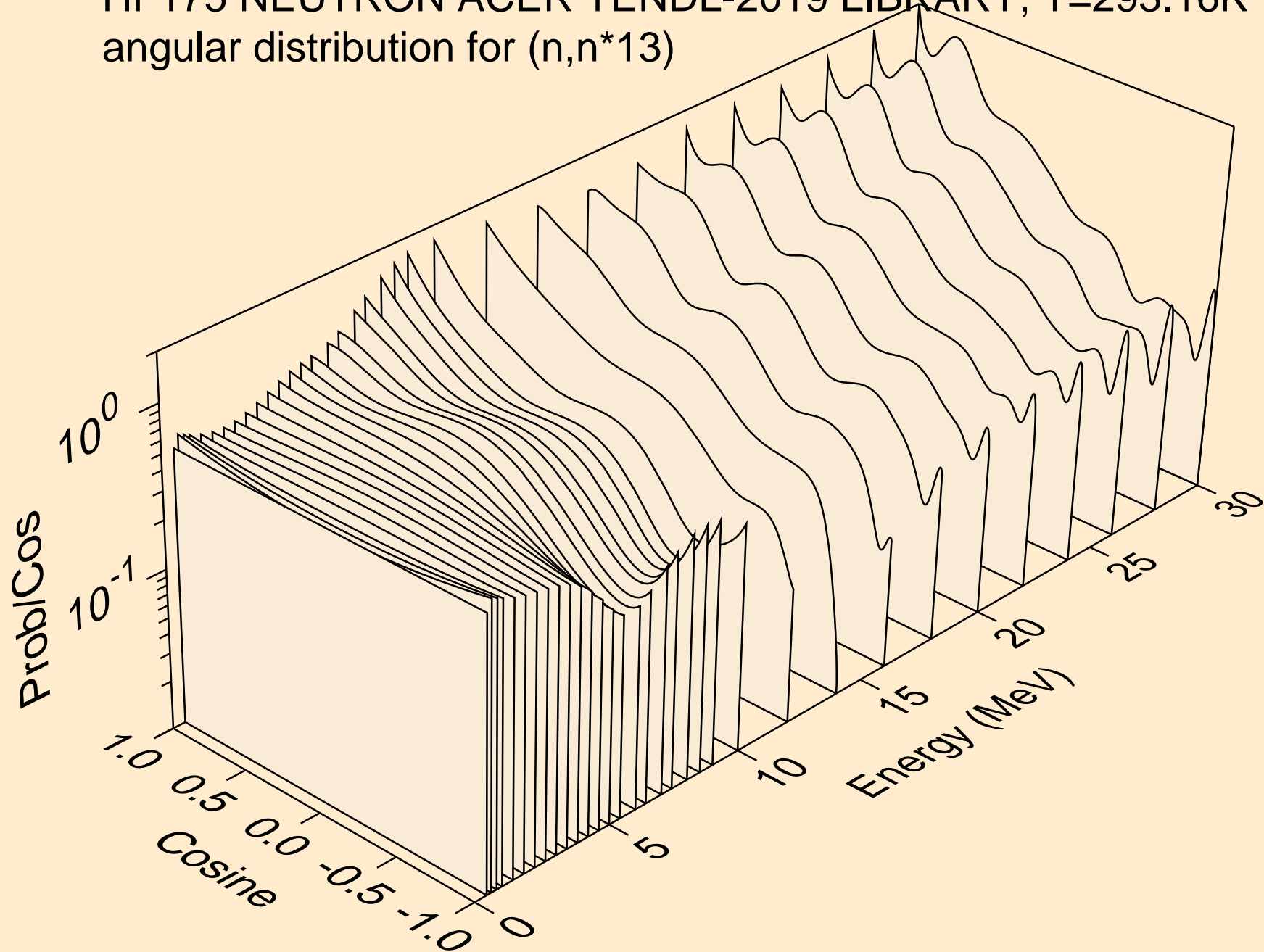
HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*11)



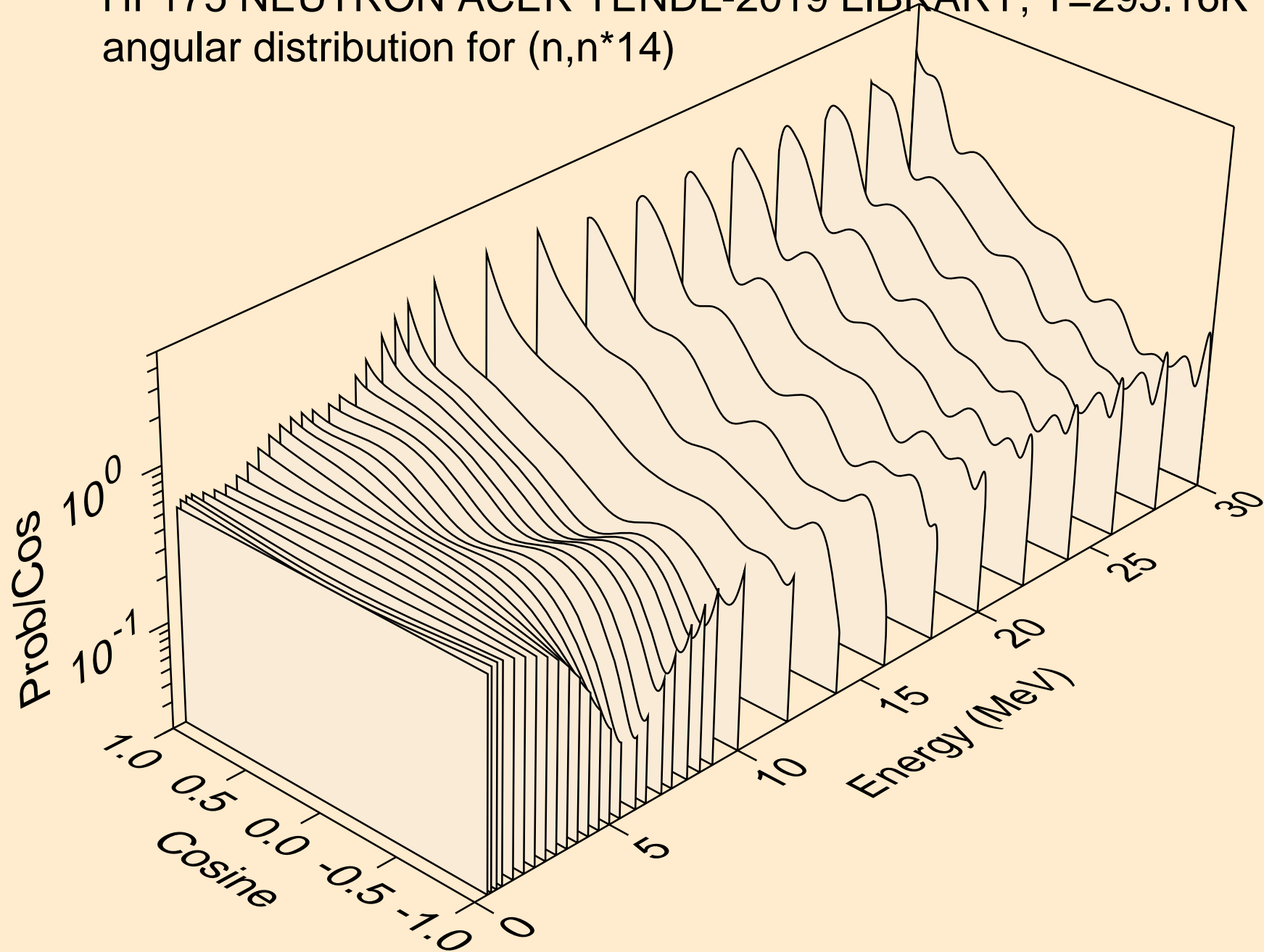
HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*12)



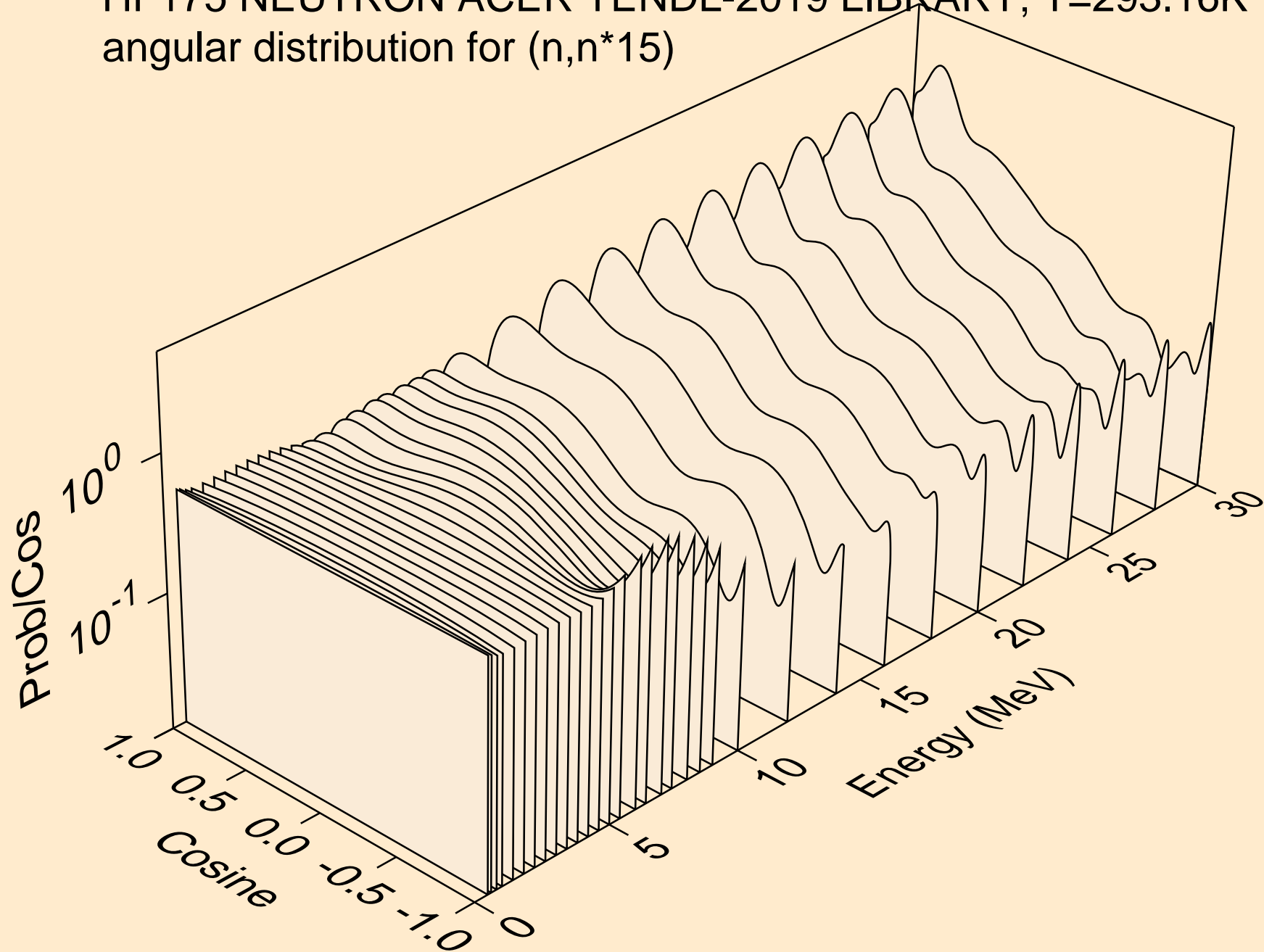
HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*13)



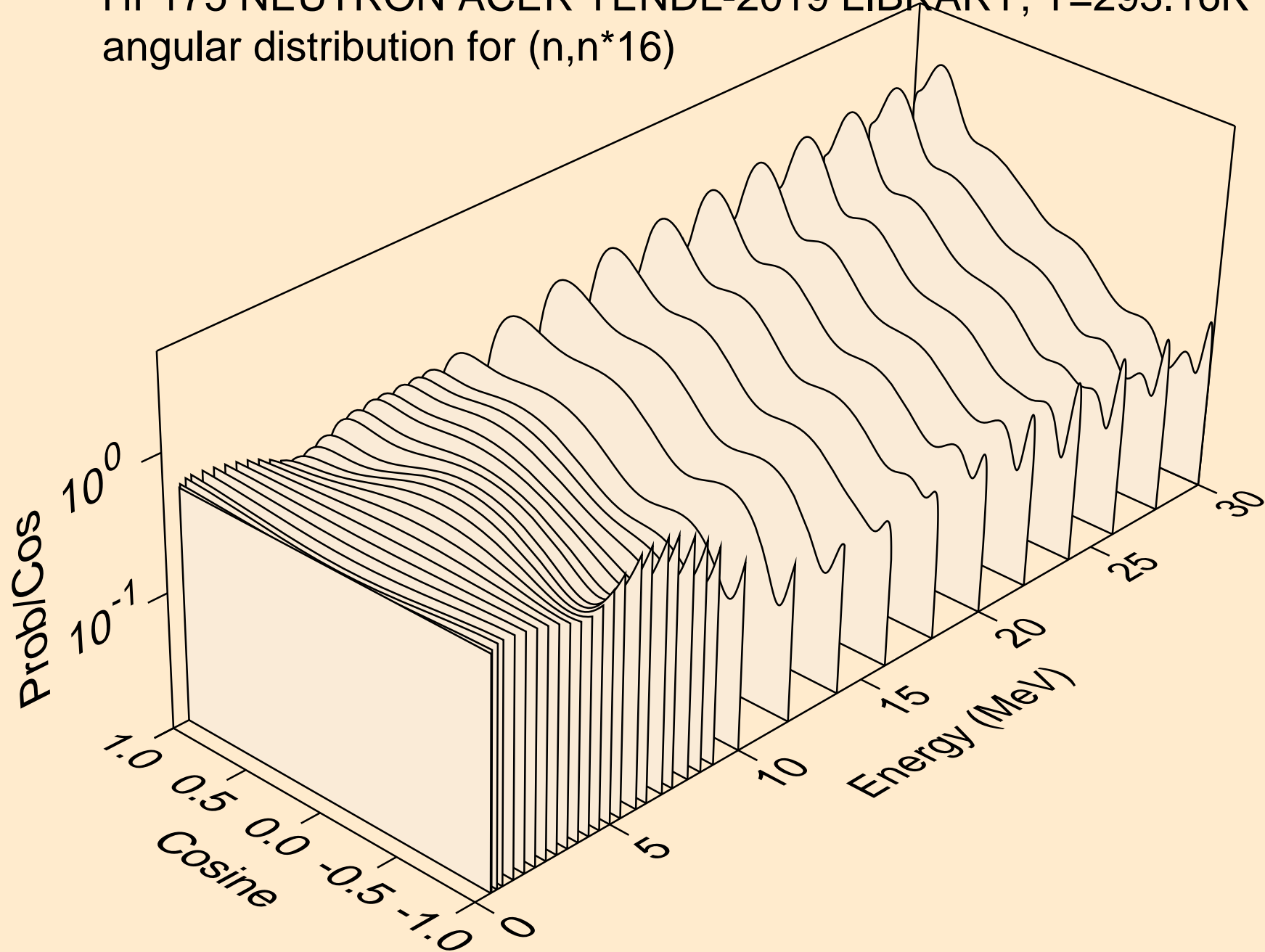
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angular distribution for (n,n\*14)



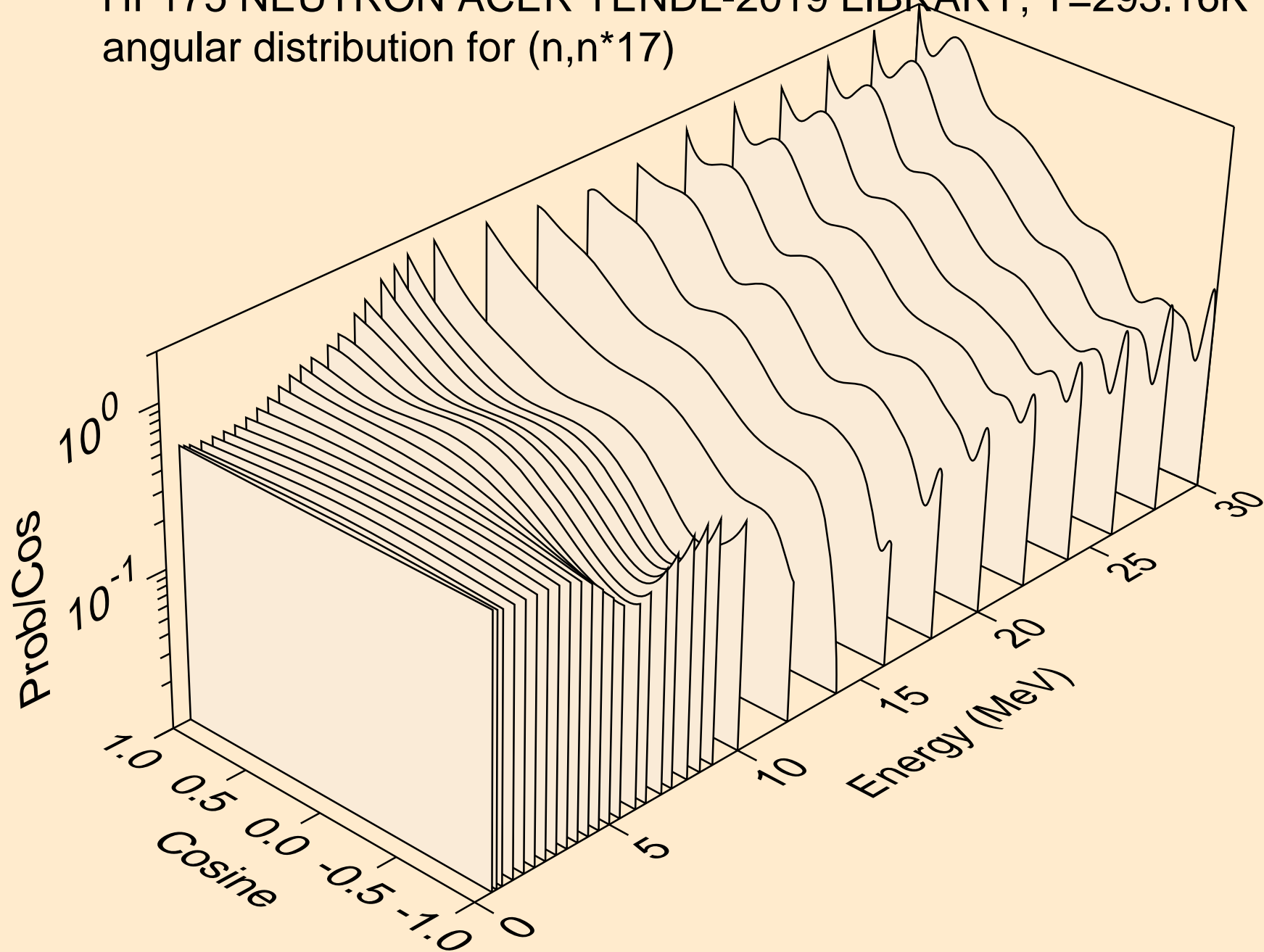
HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*15)



HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*16)

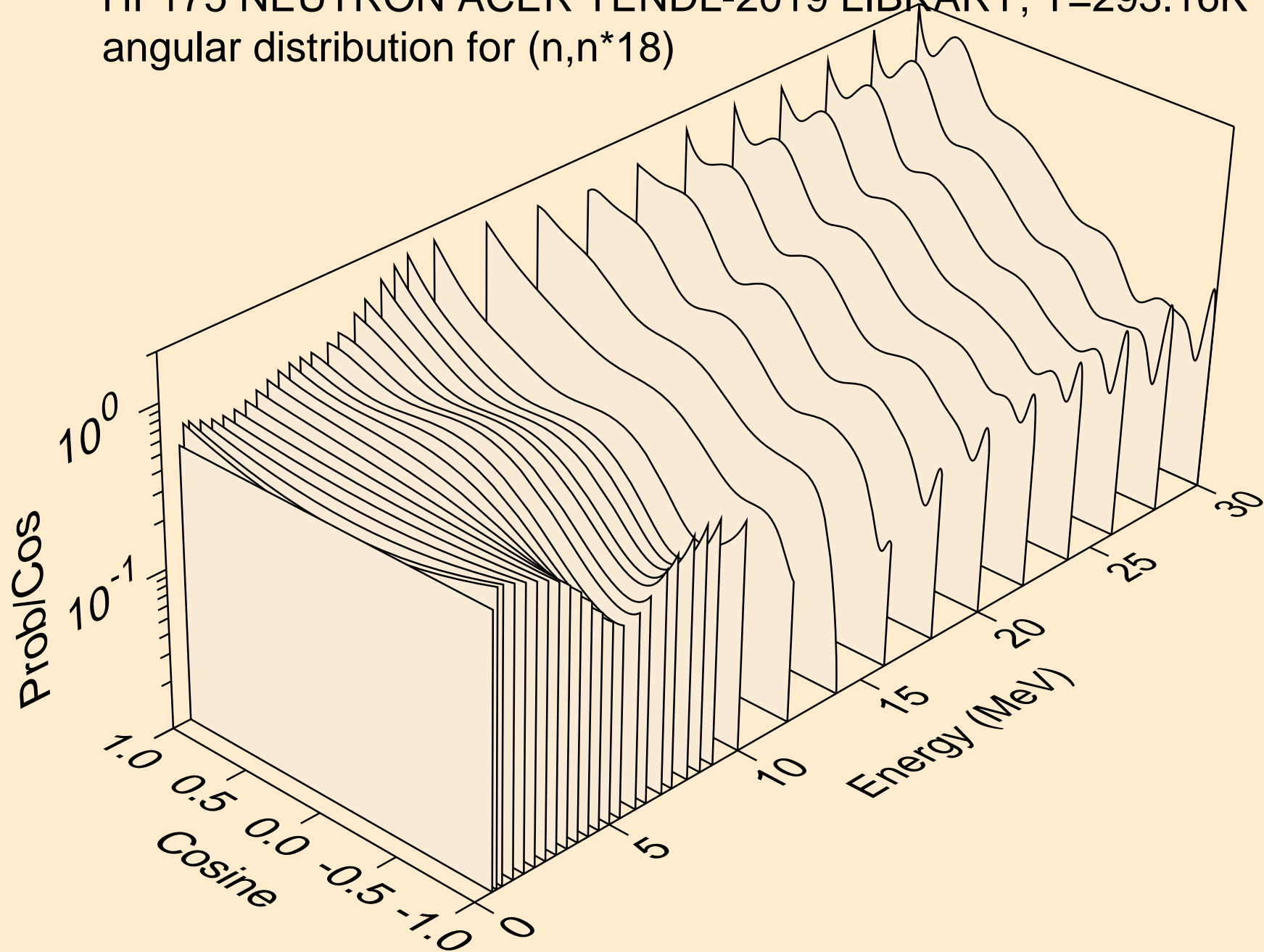


HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*17)

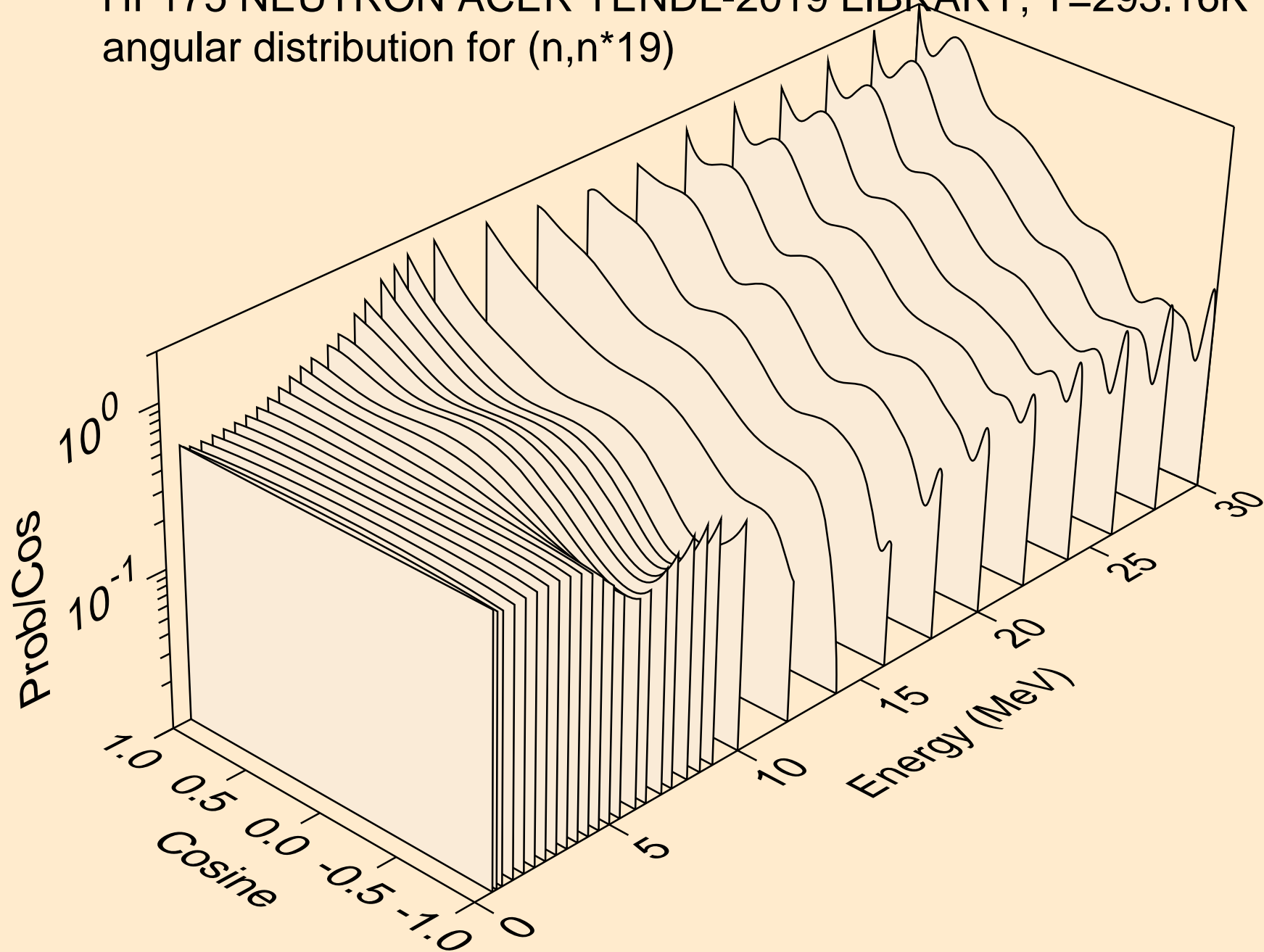




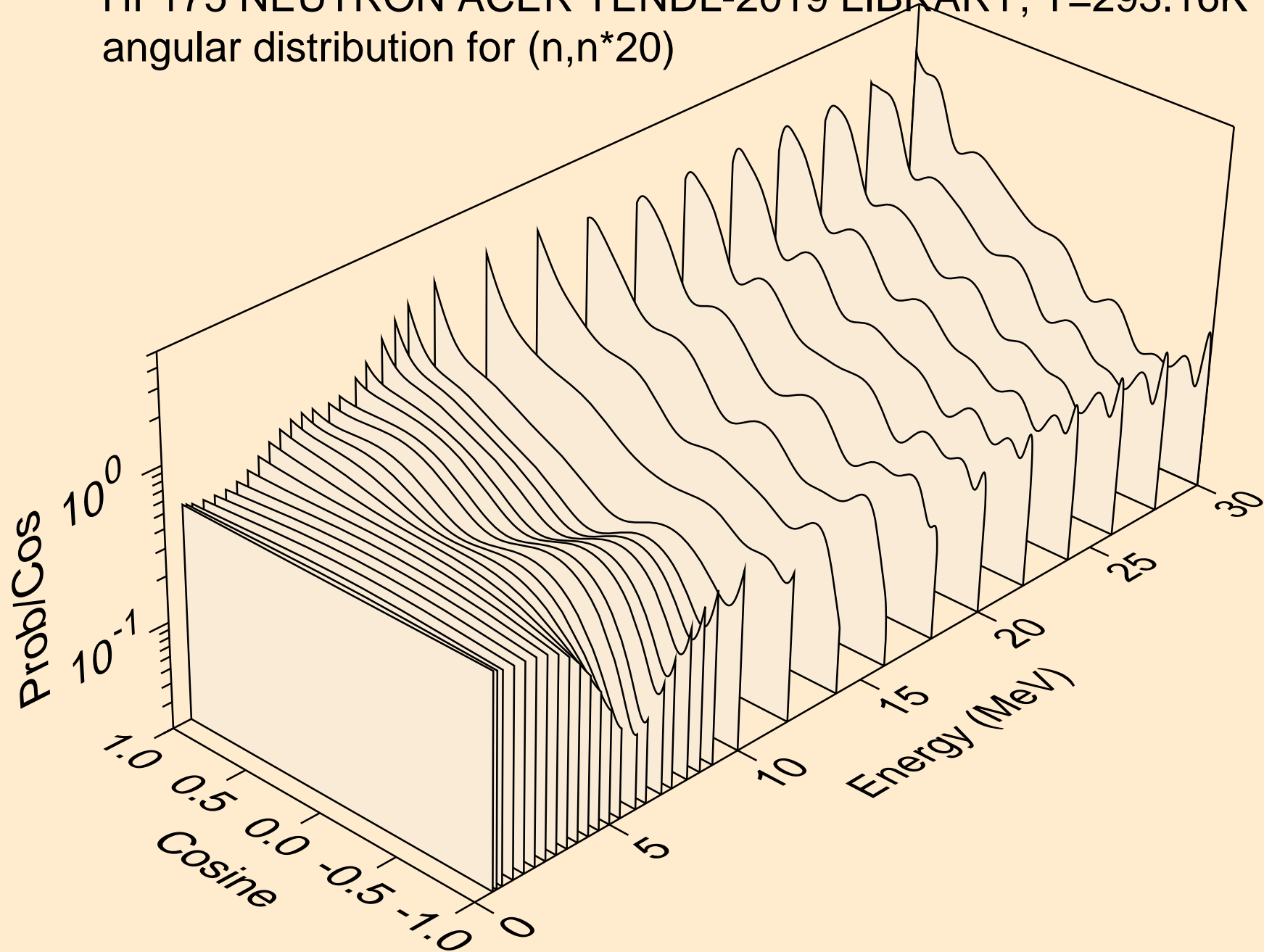
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angular distribution for (n,n\*18)



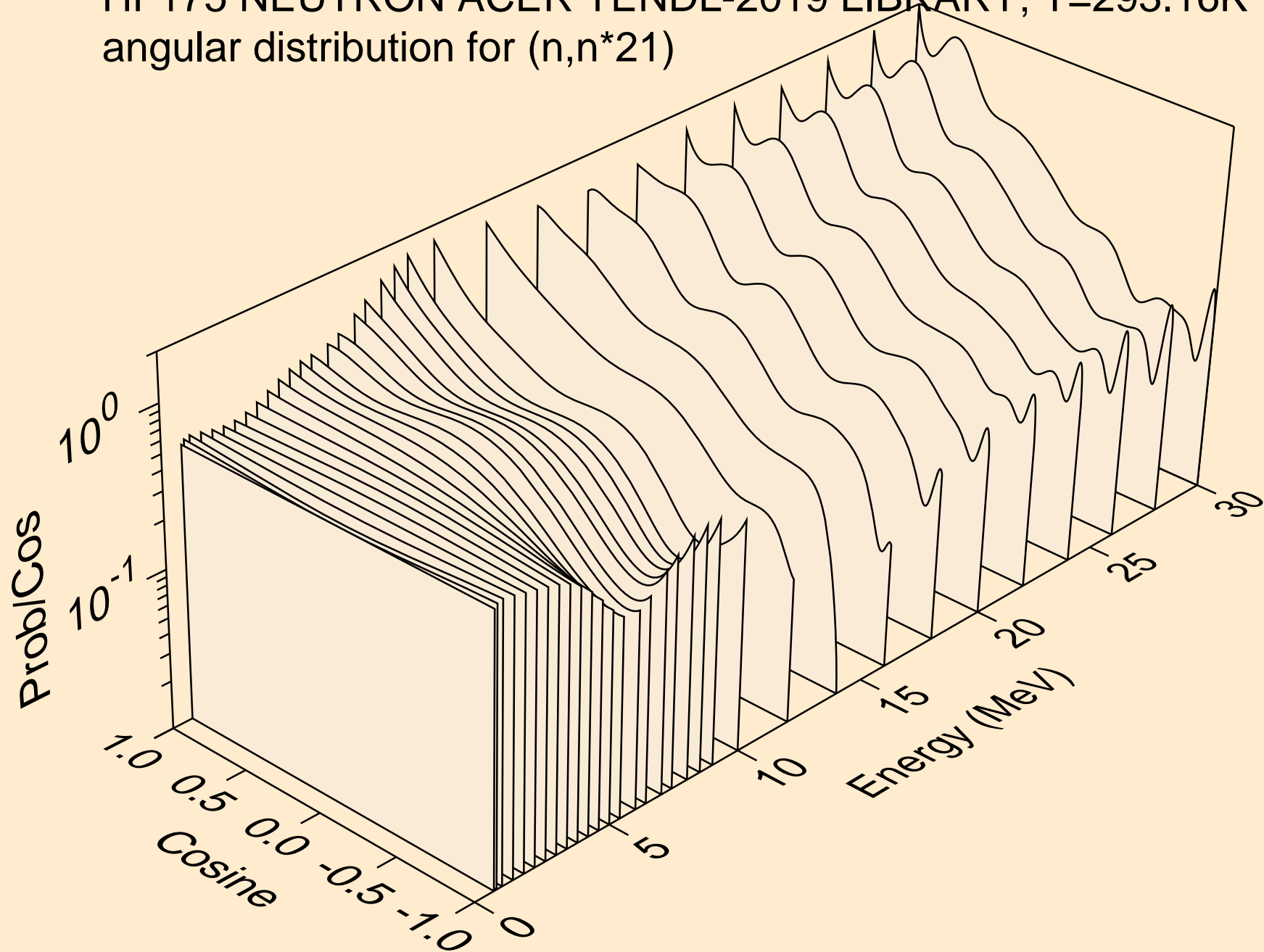
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angular distribution for (n,n\*19)



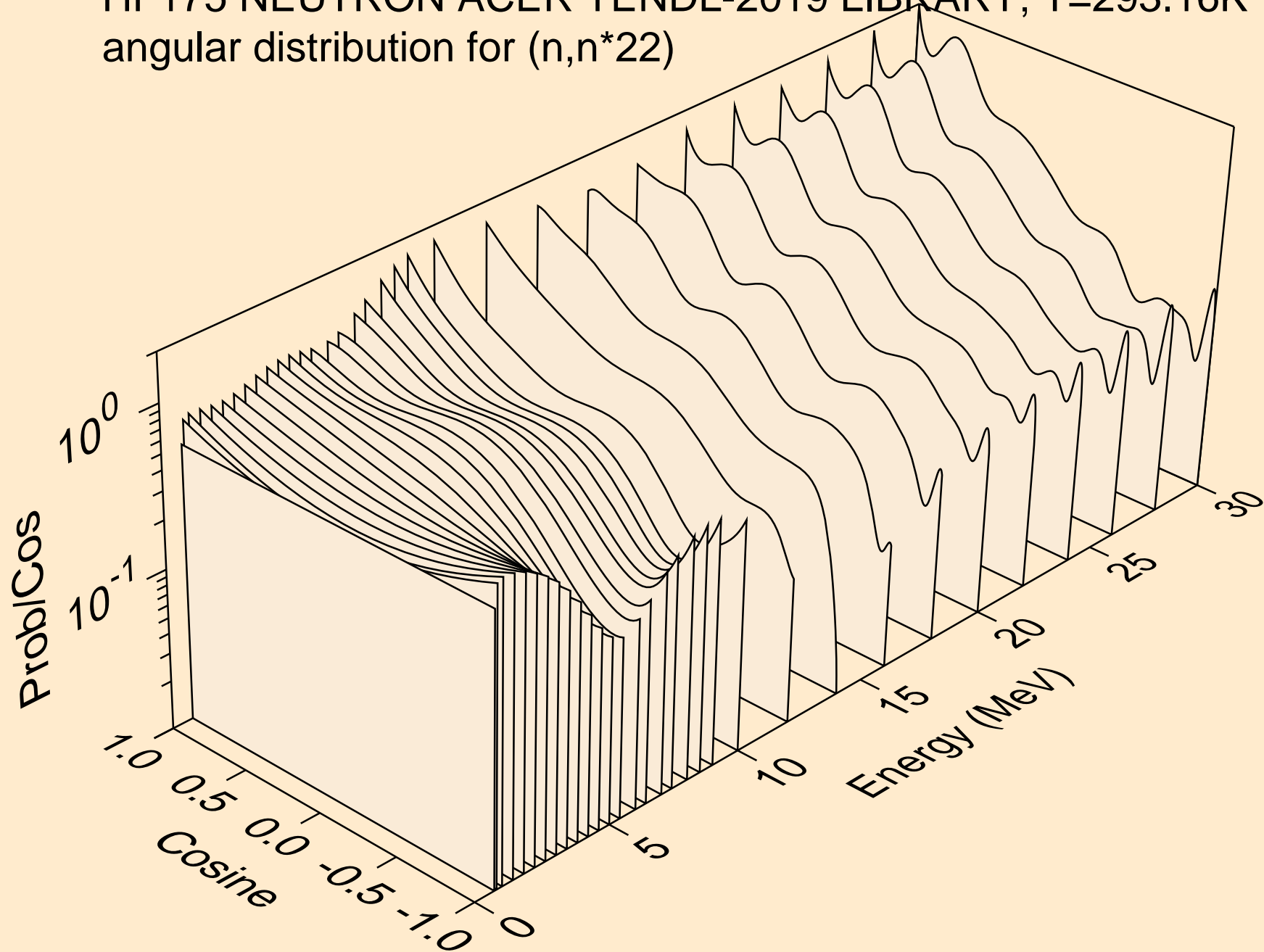
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angular distribution for (n,n\*20)



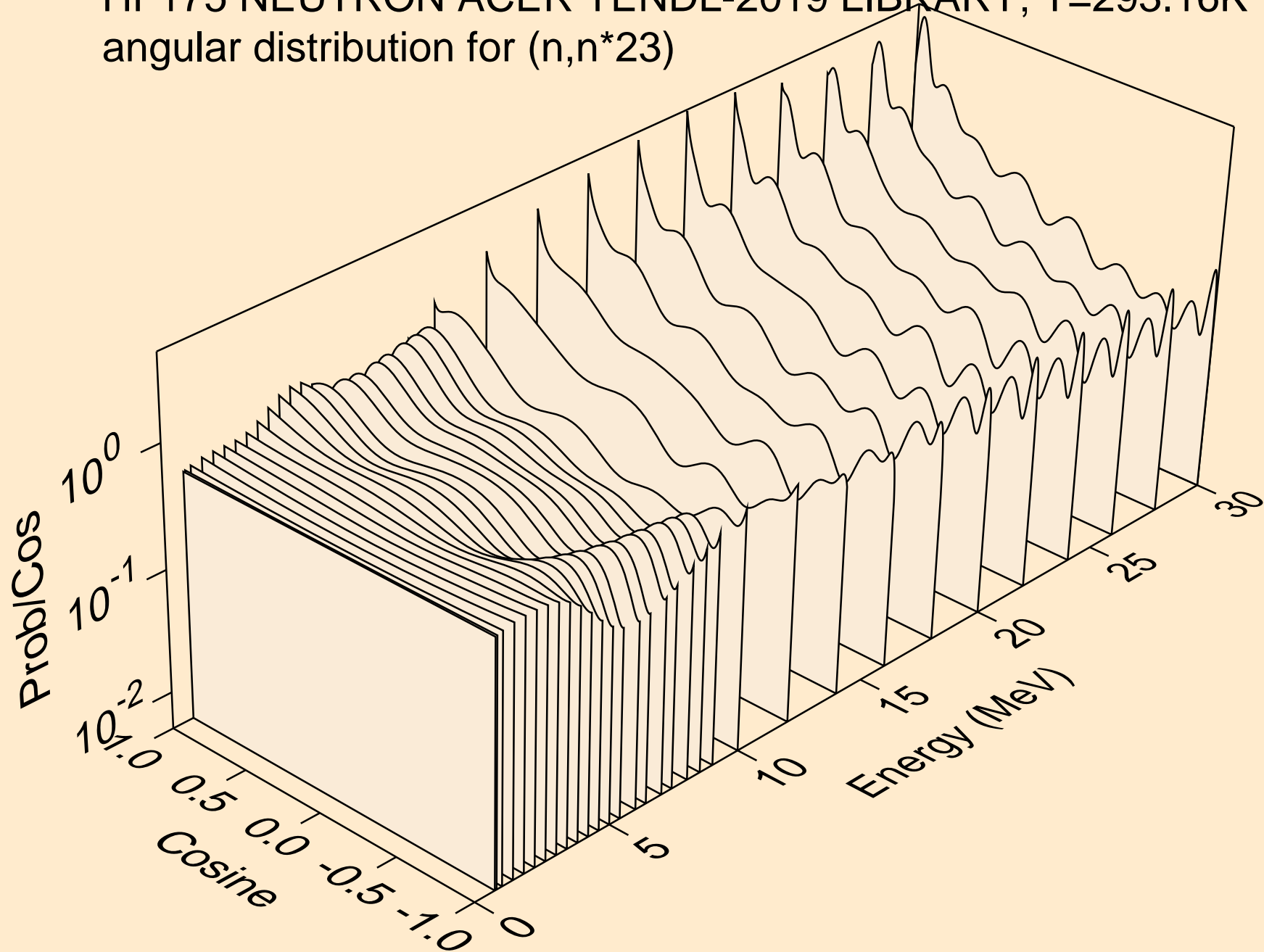
HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*21)



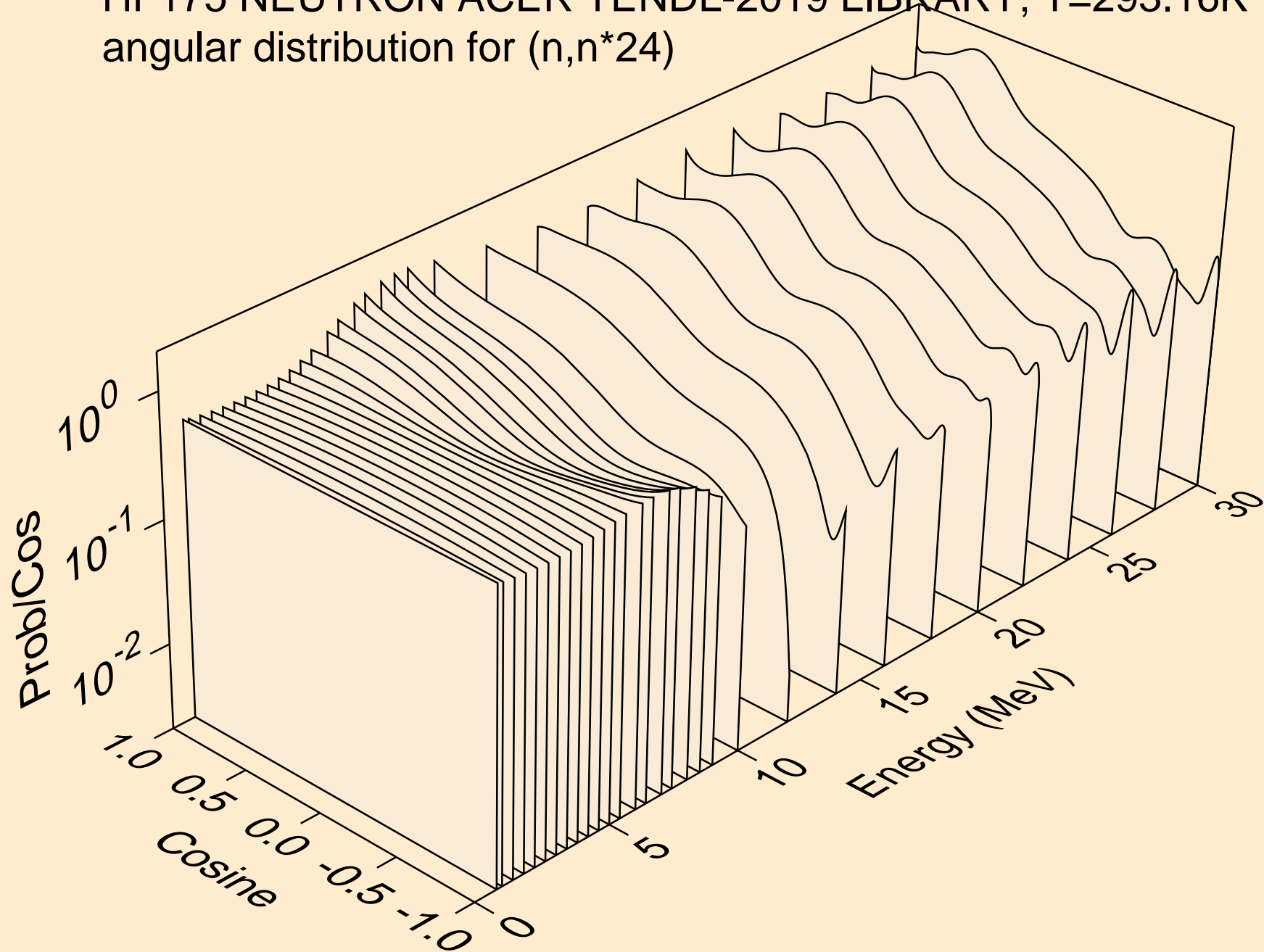
HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*22)



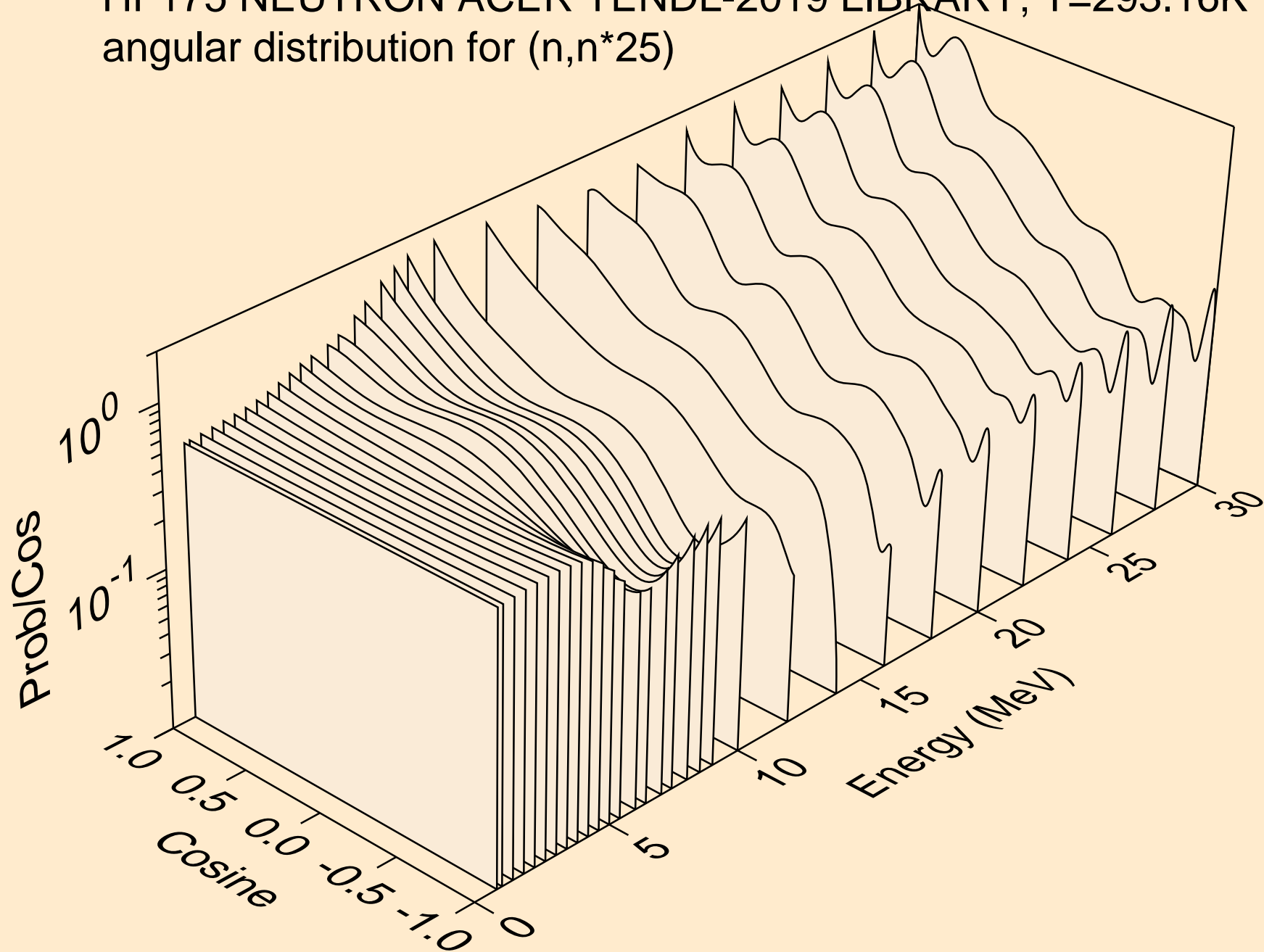
HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*23)



HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*24)

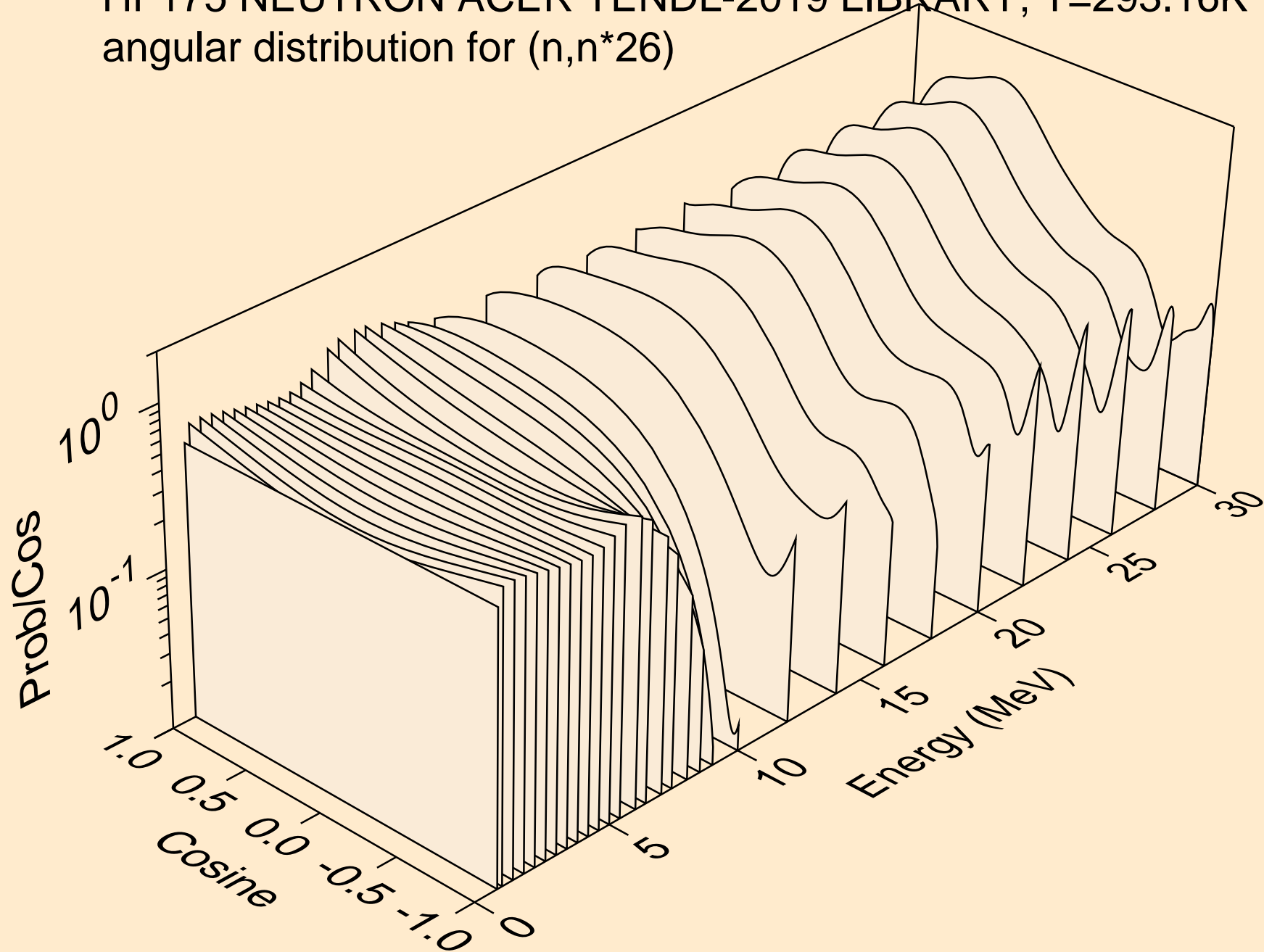


HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*25)

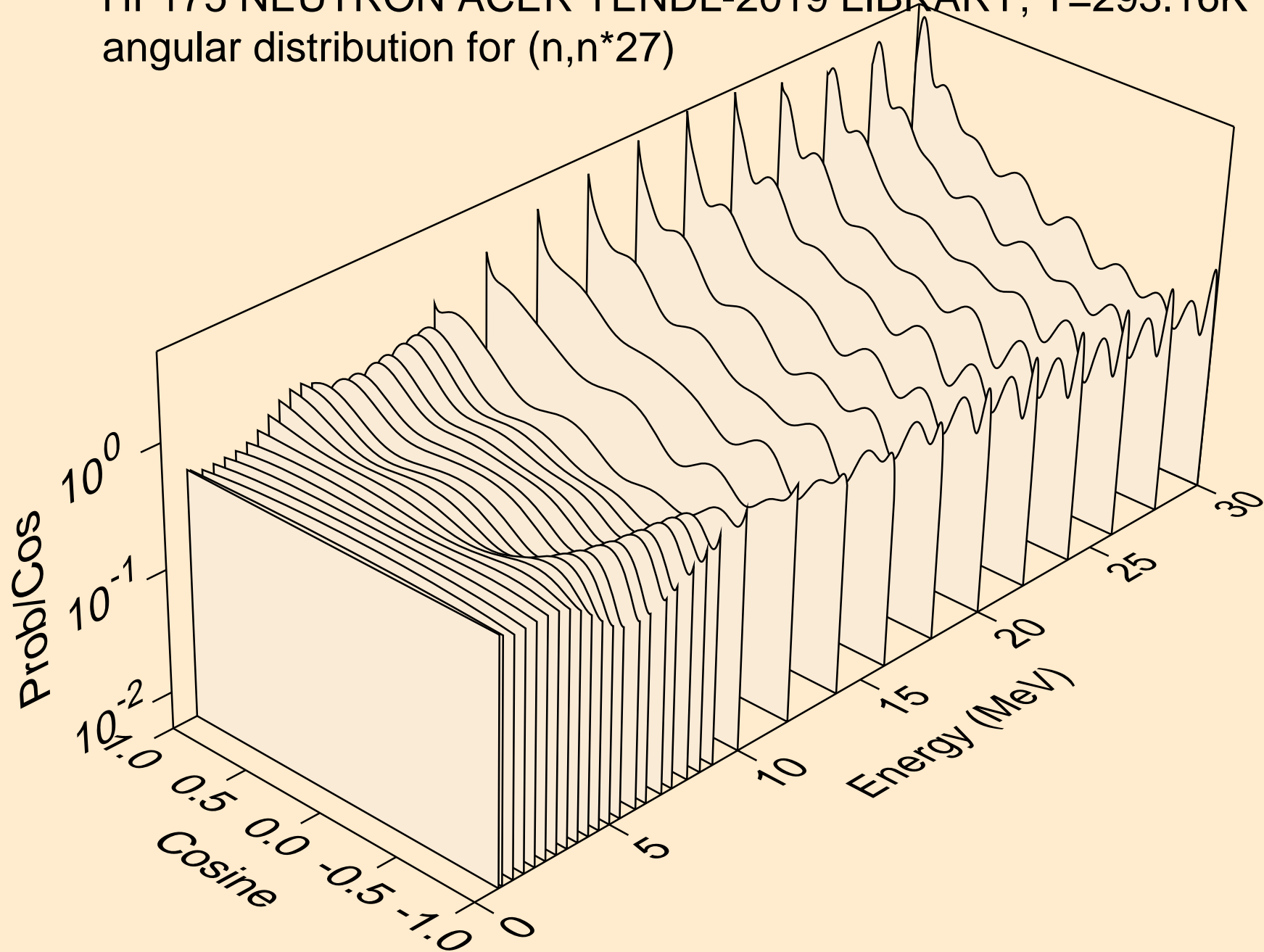




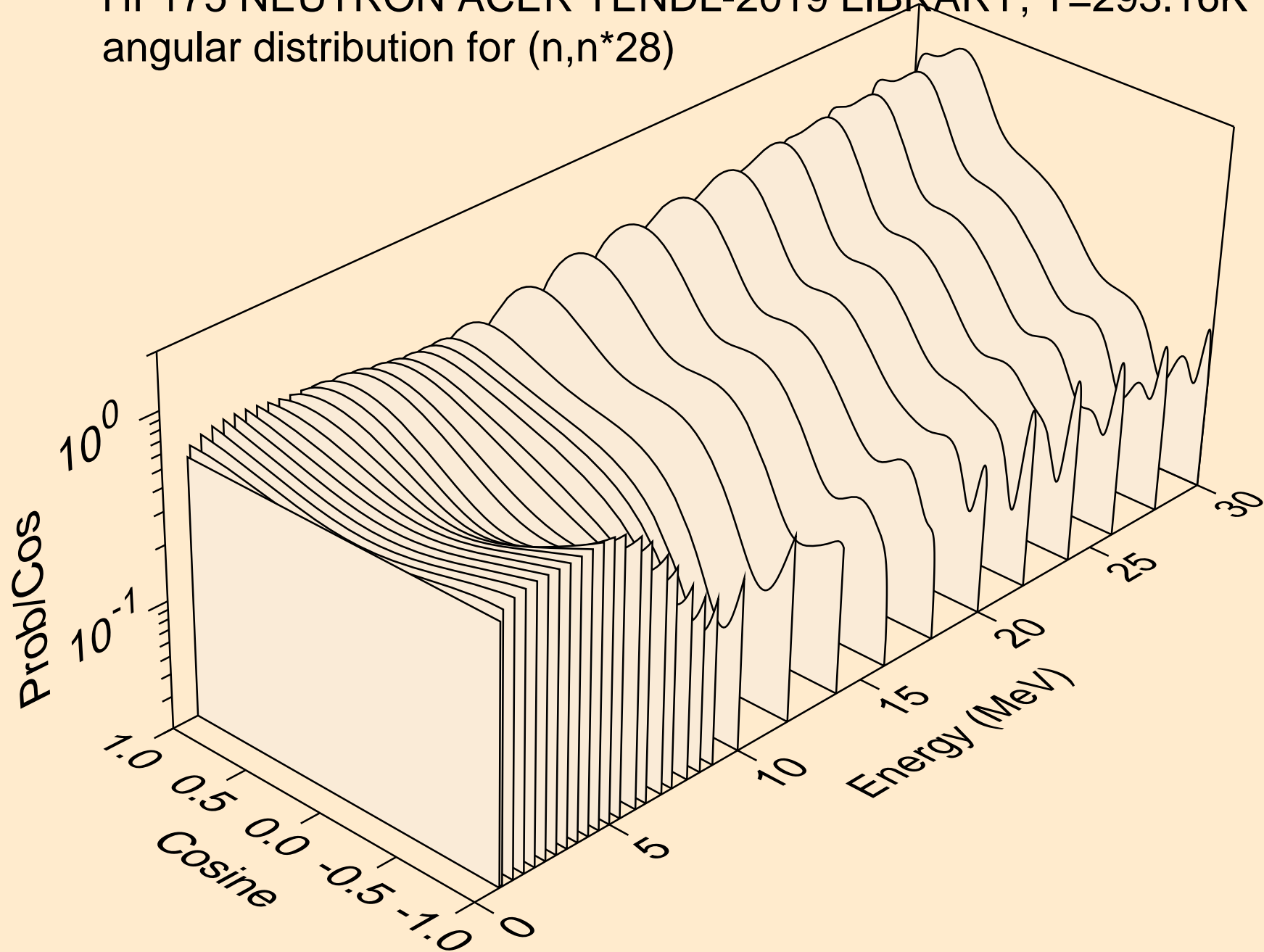
HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*26)



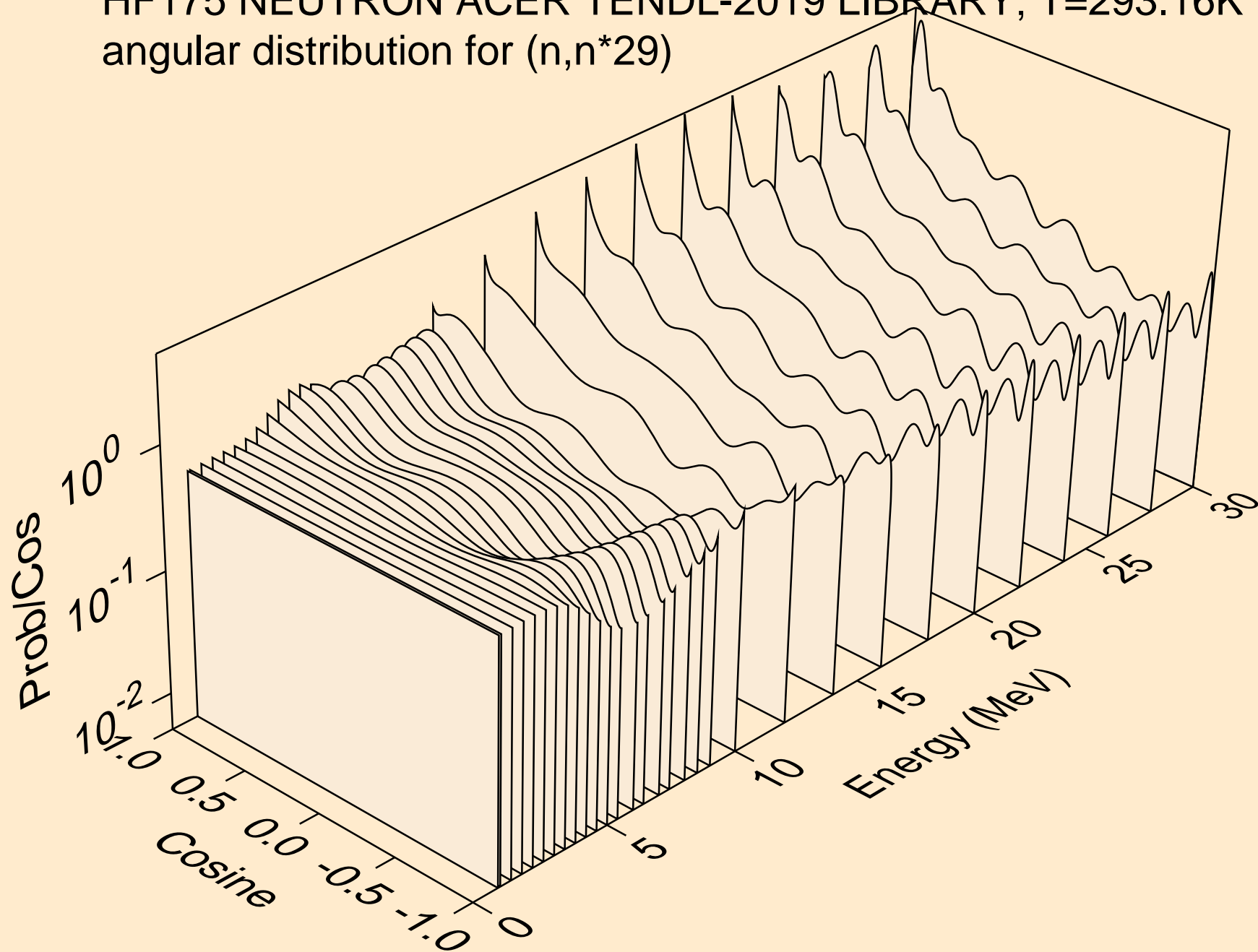
HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*27)



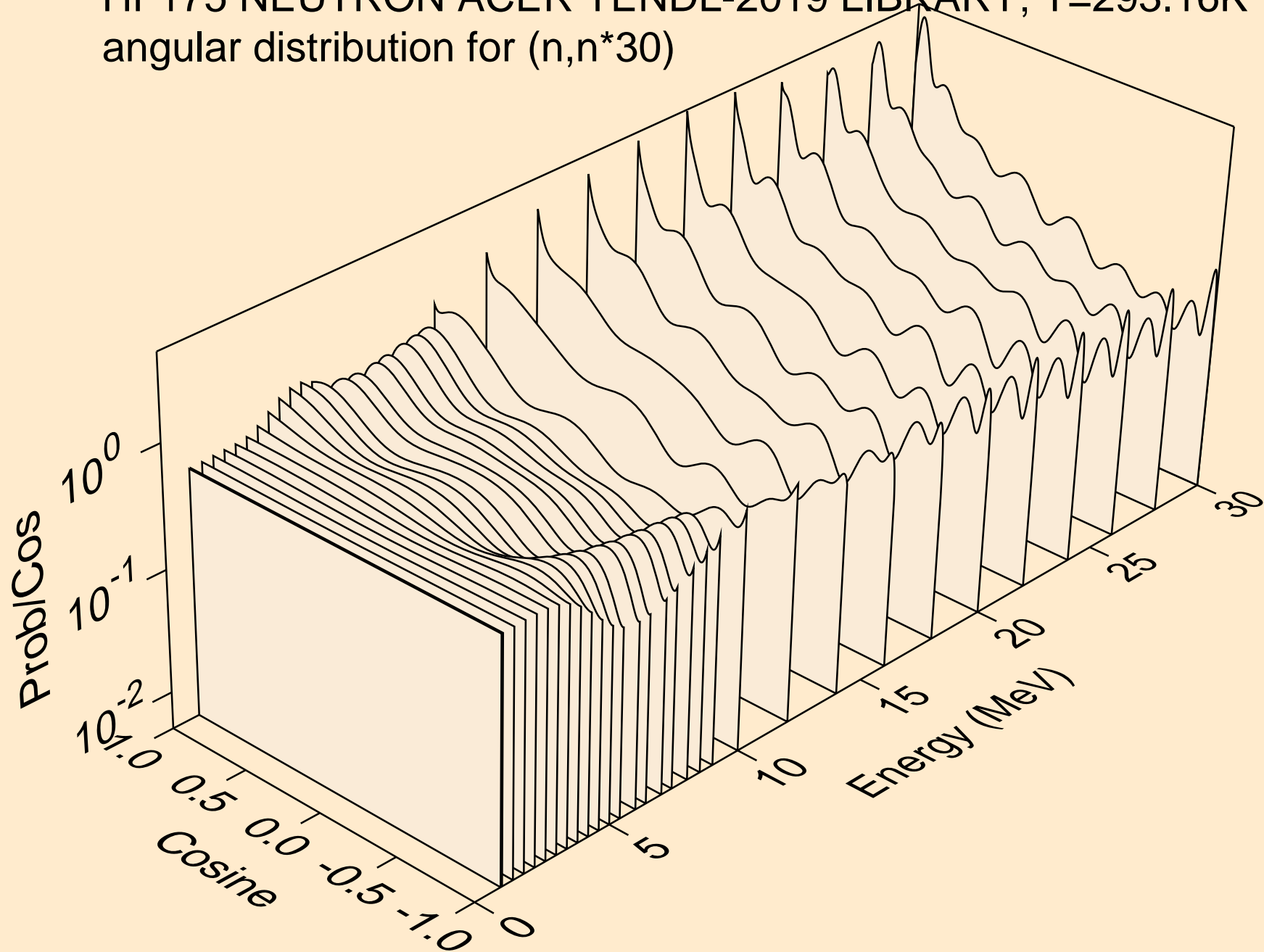
HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*28)



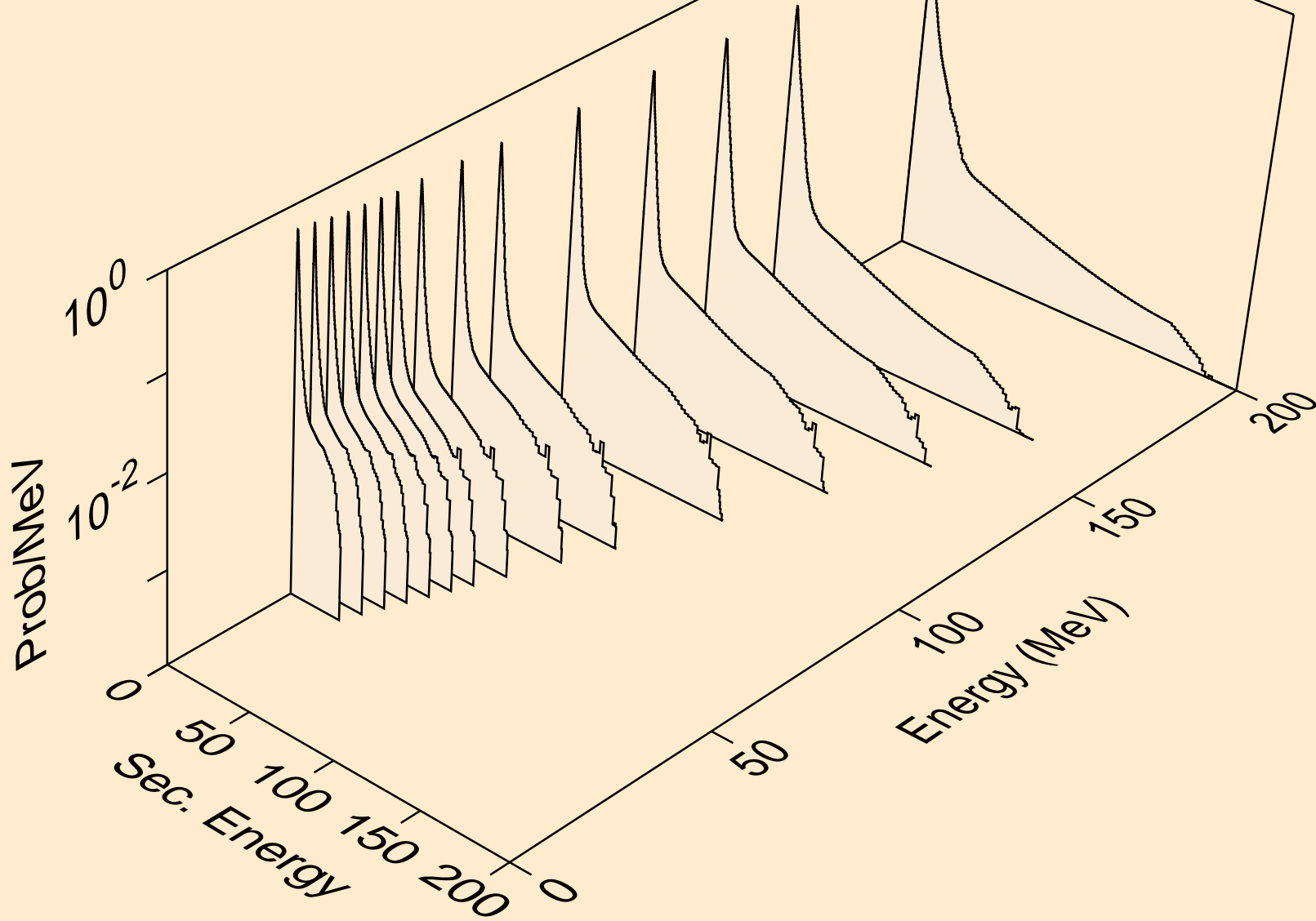
HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*29)



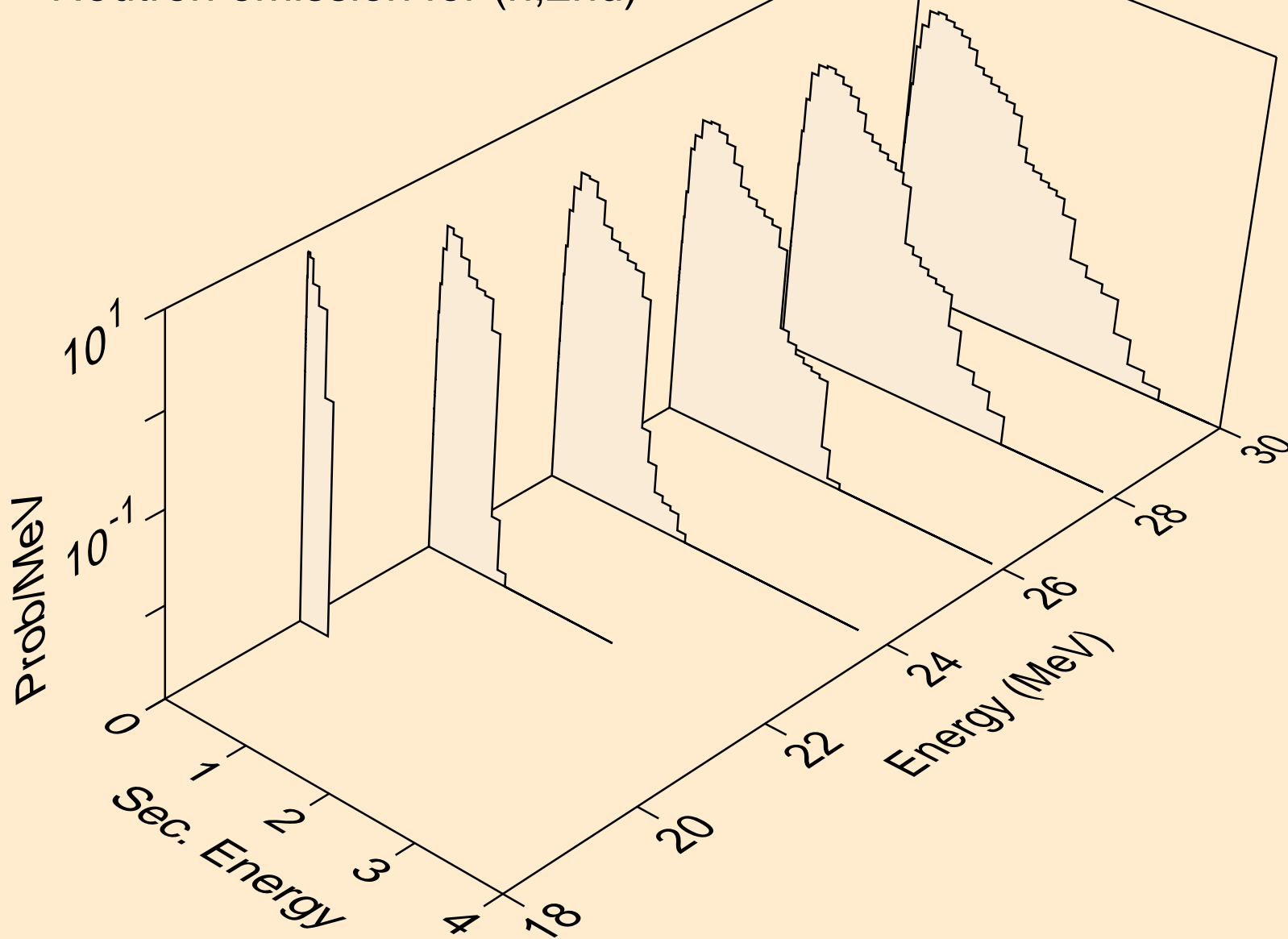
HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*30)



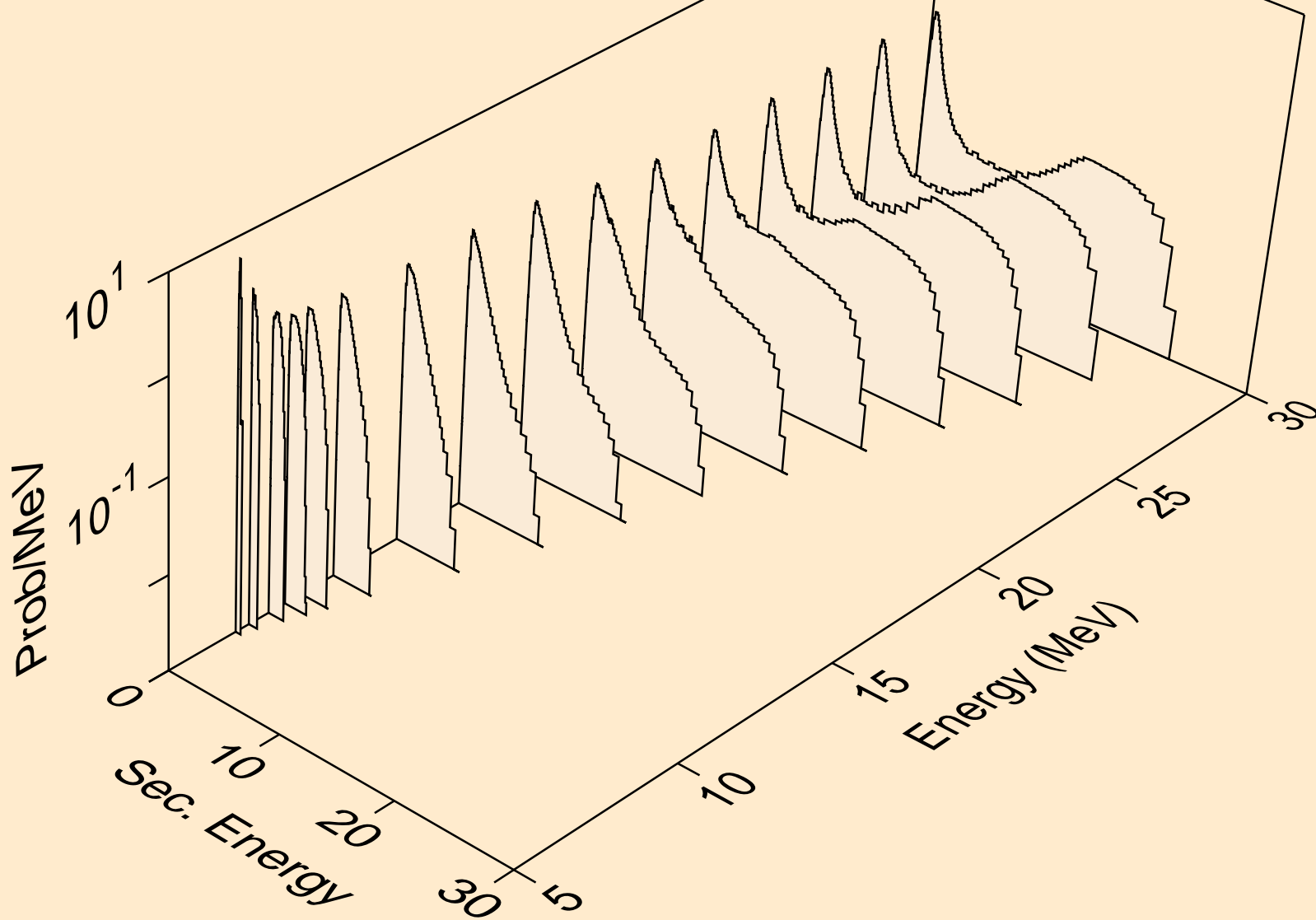
HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,x)



HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2nd)

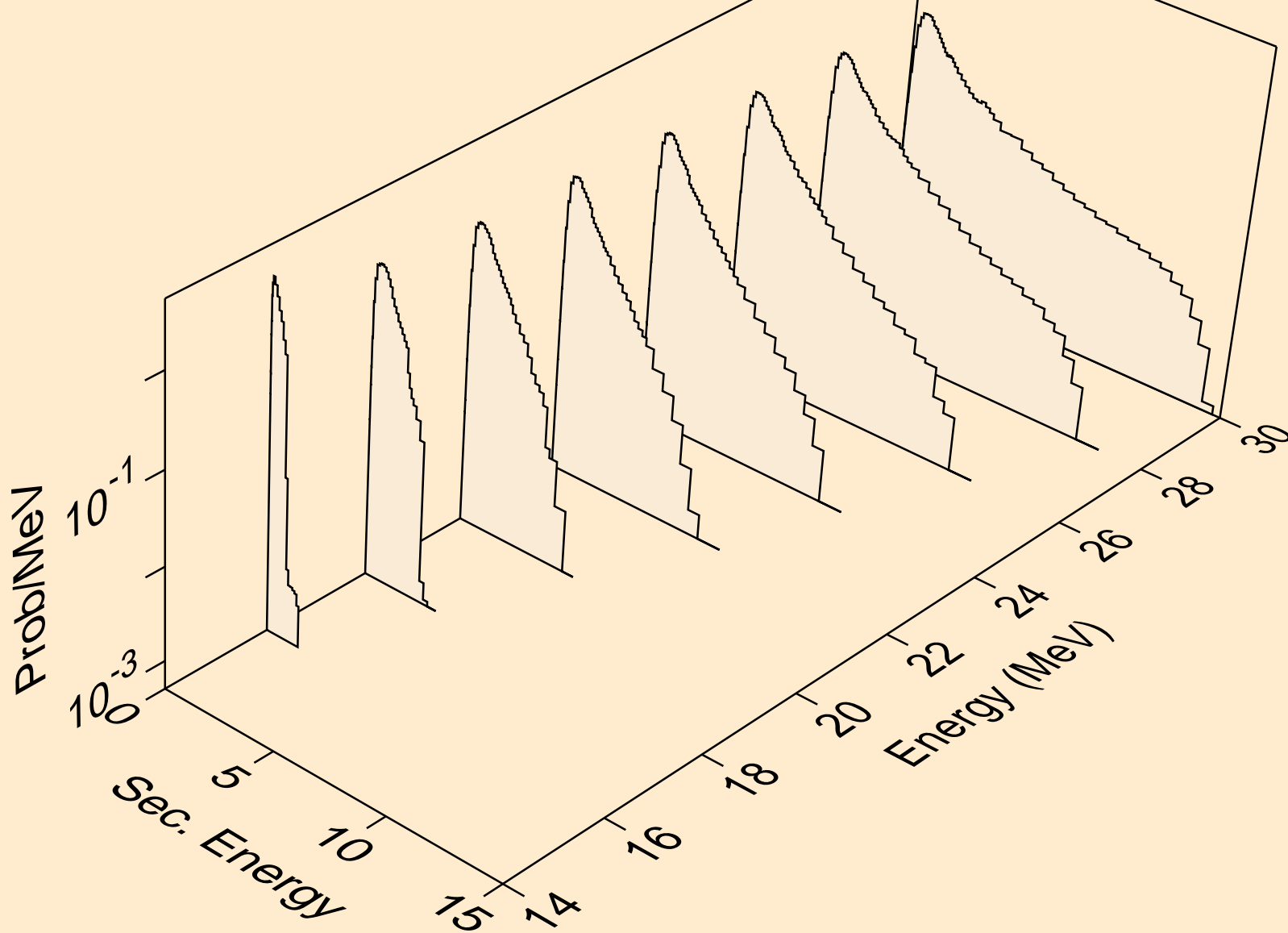


HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)

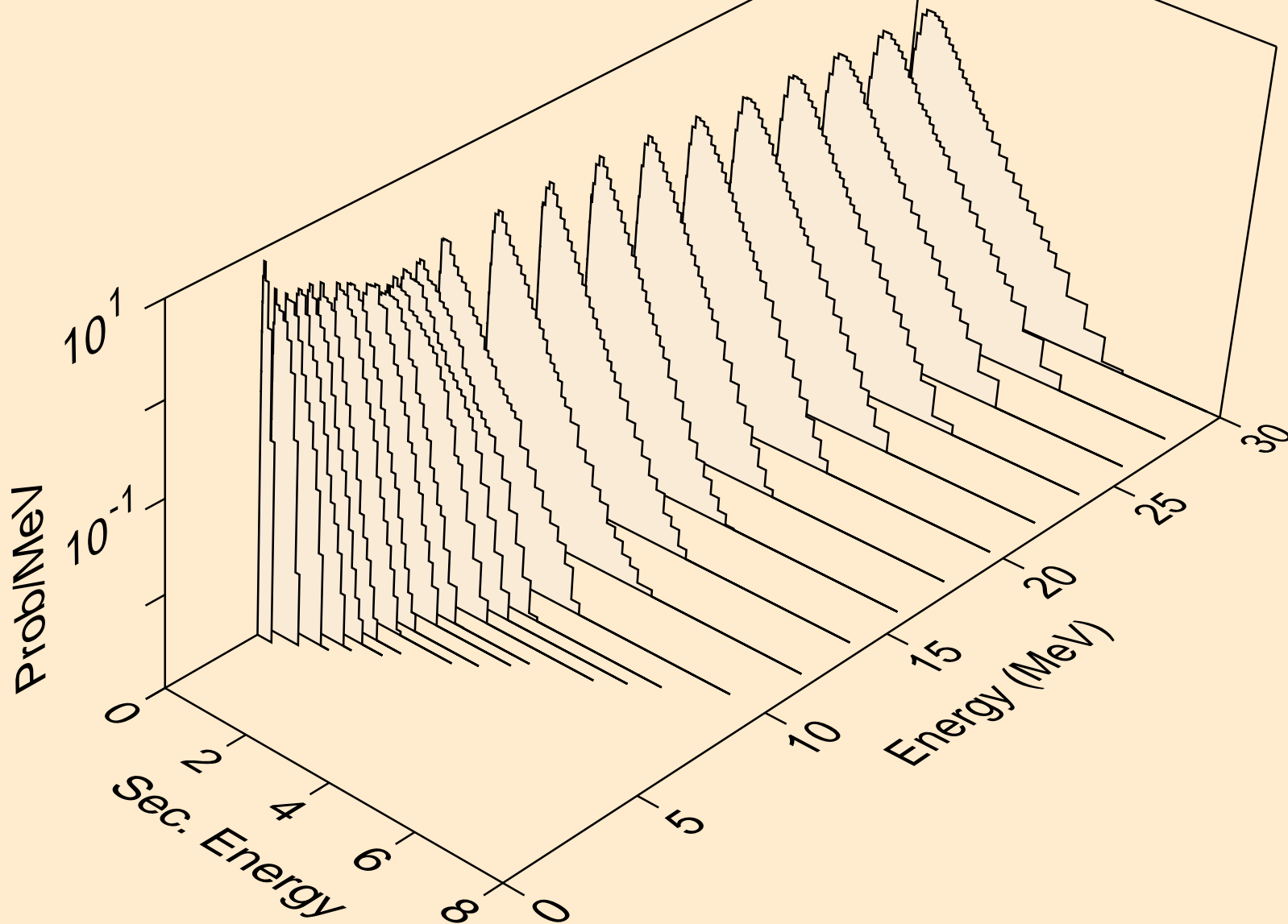




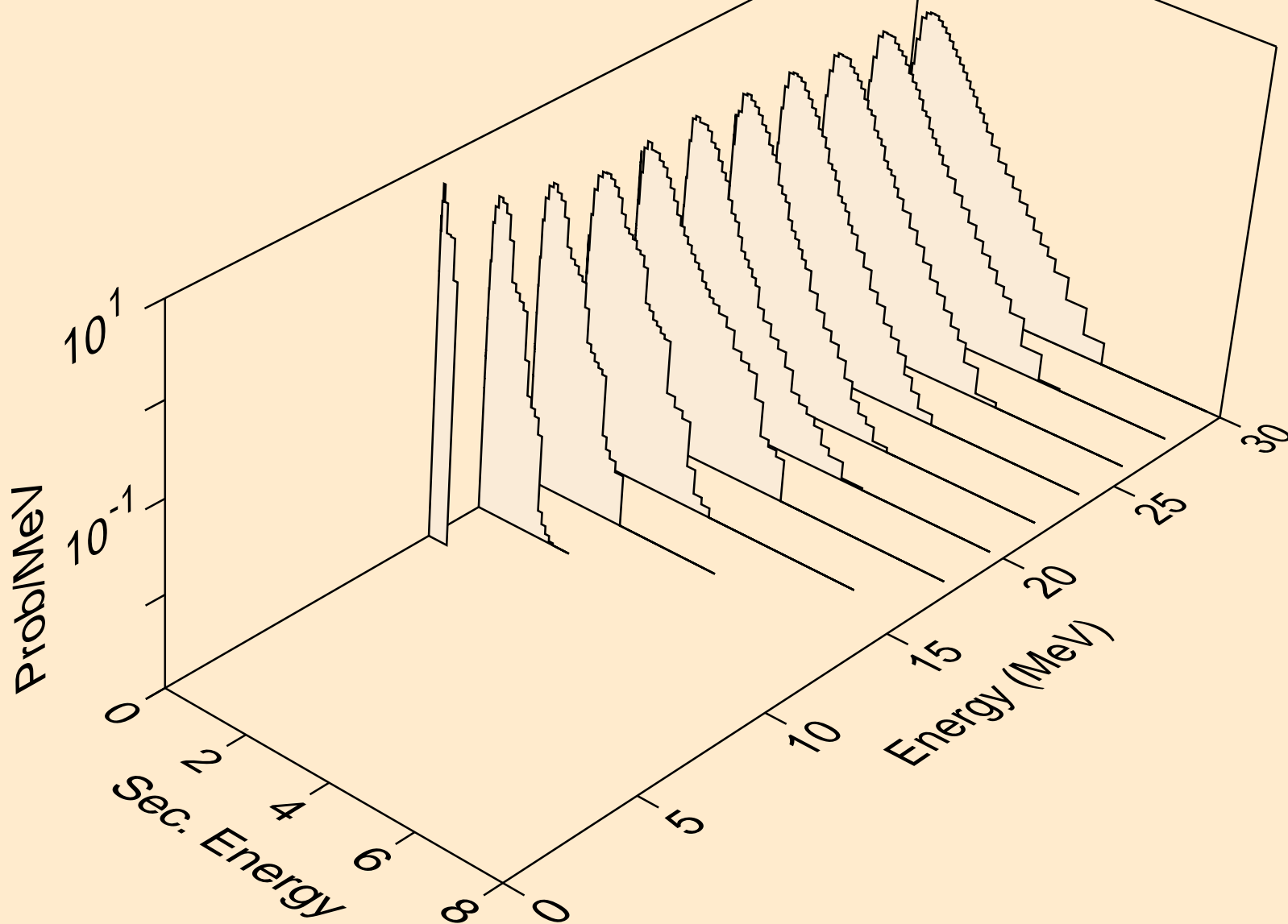
HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)



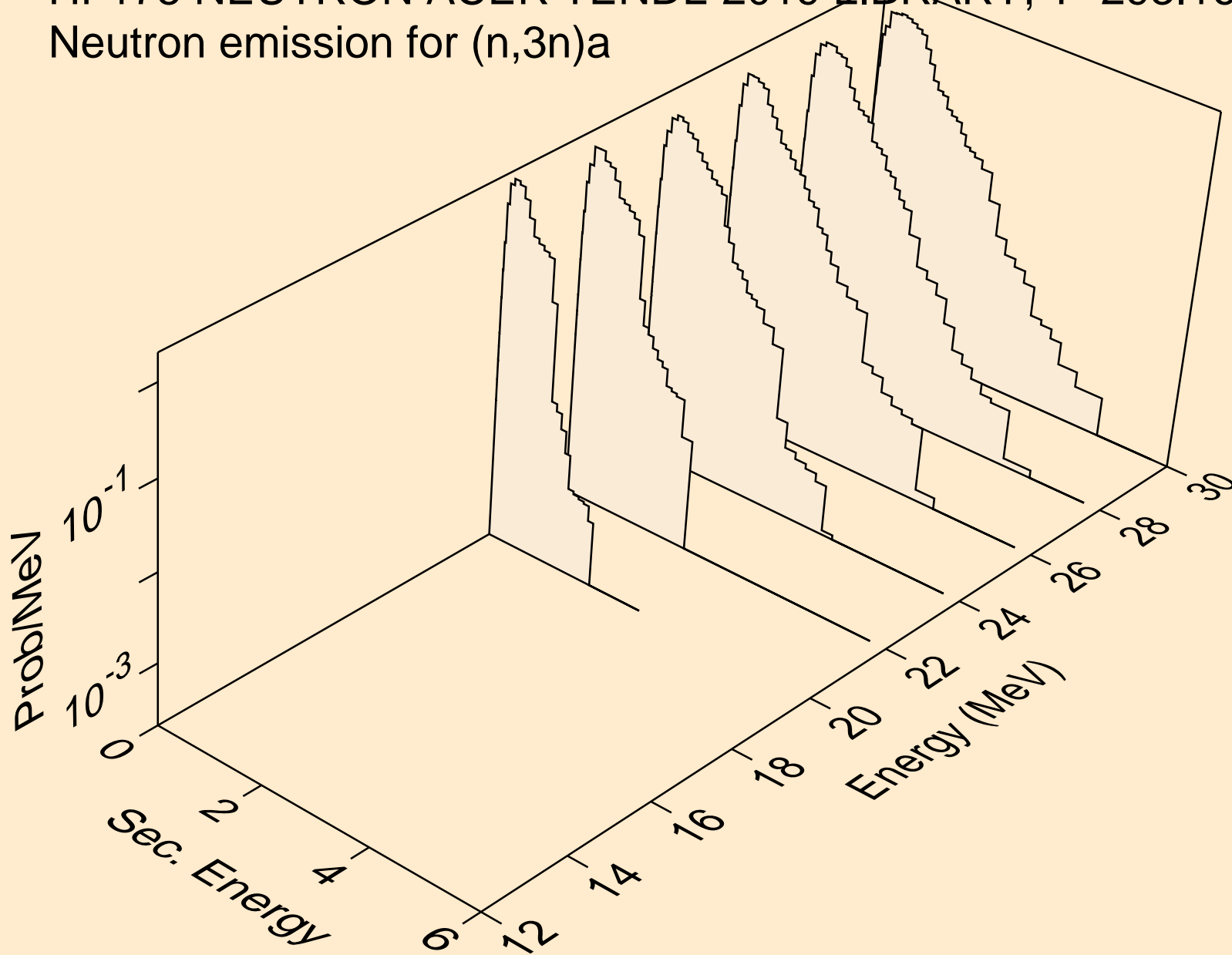
HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)a



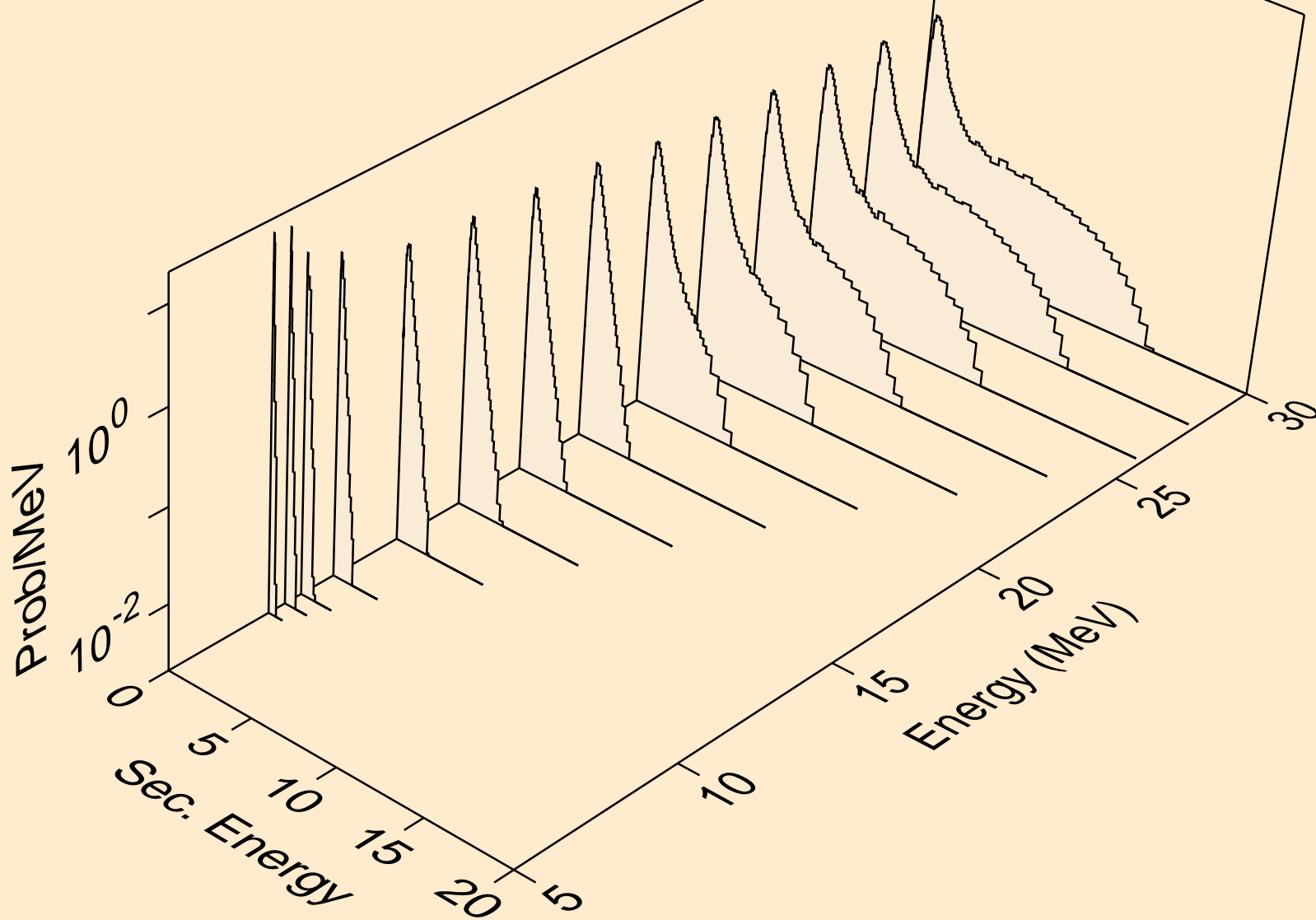
HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)a



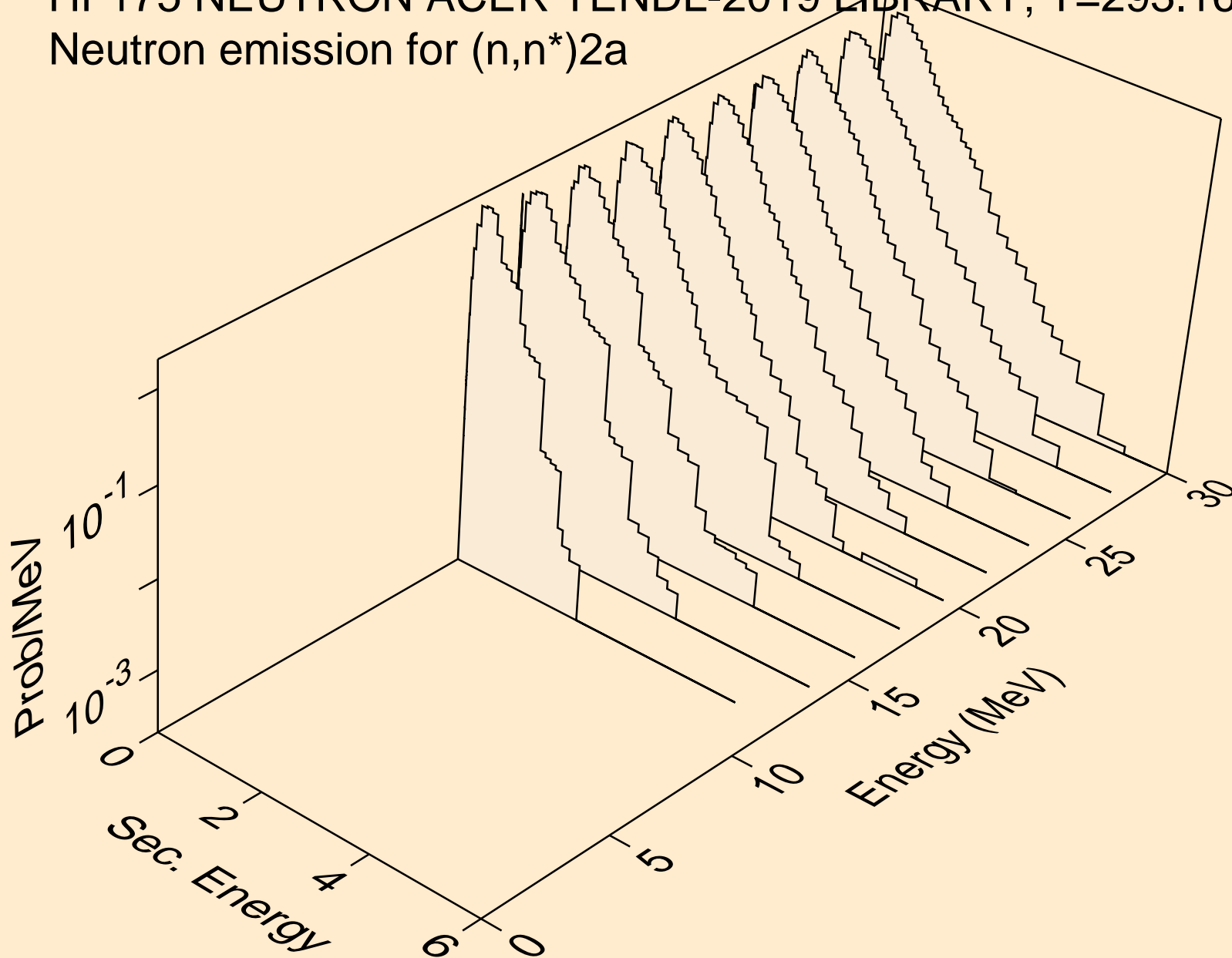
HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)a



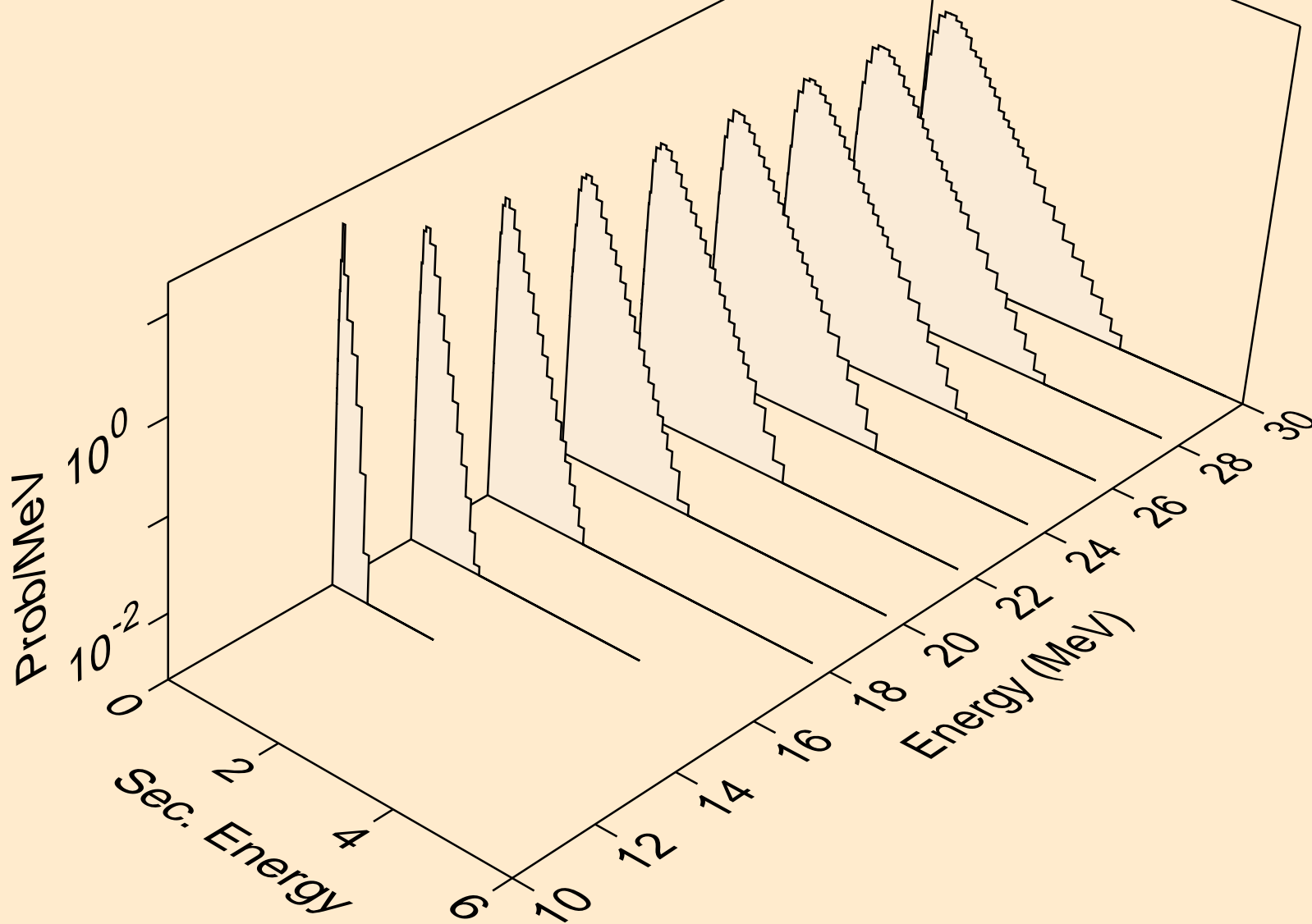
HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)p



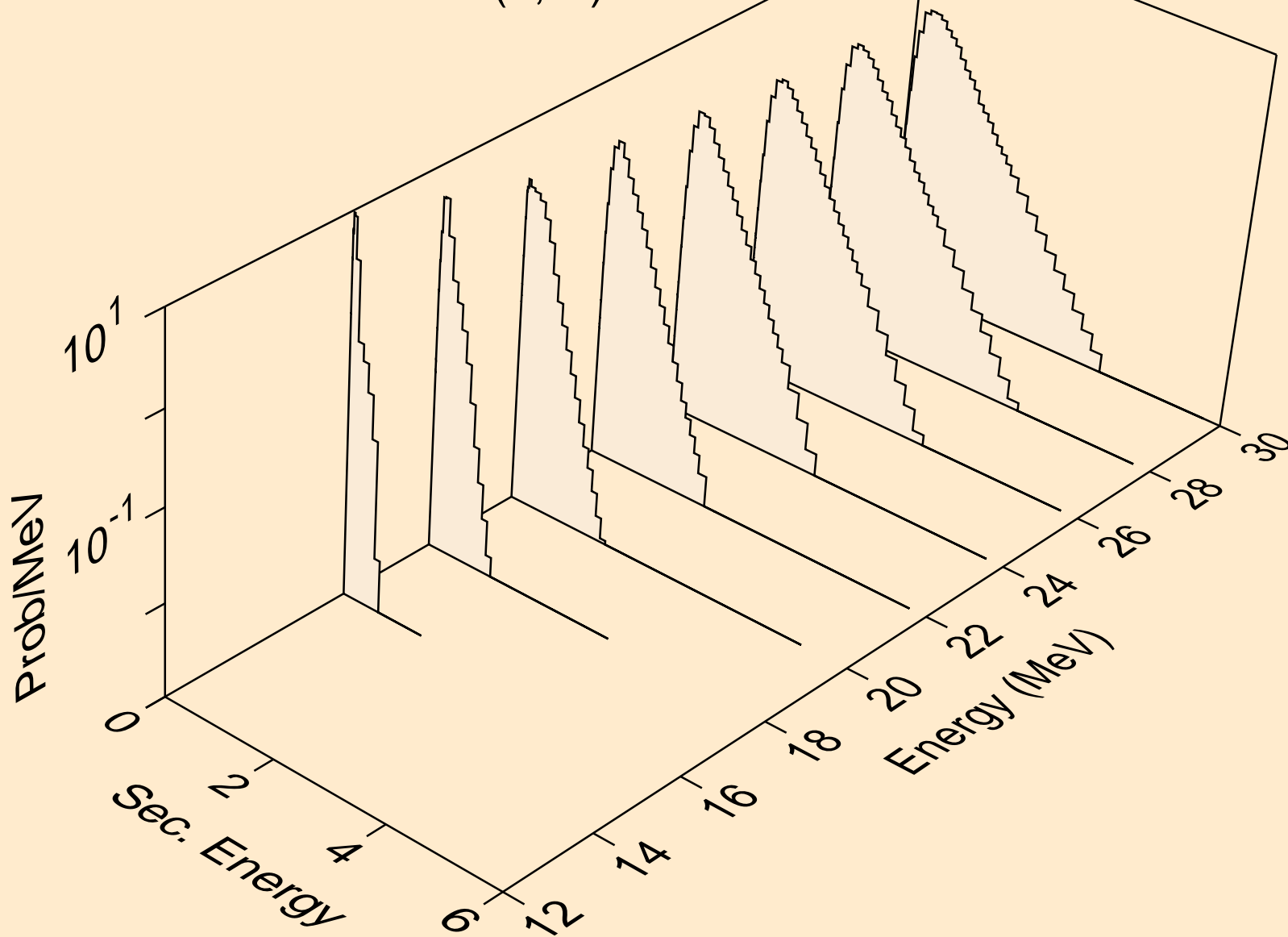
HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)2a



HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)d

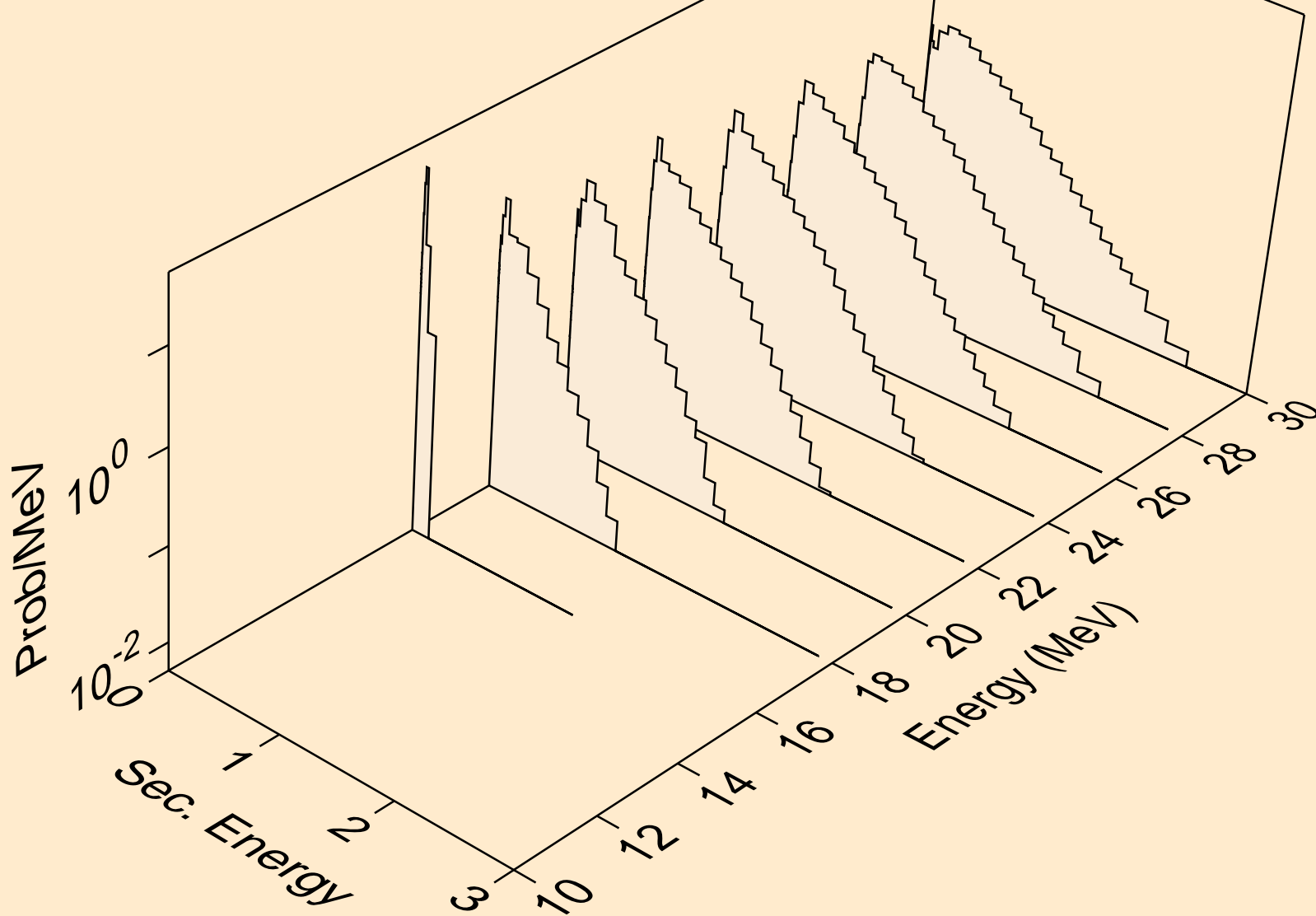


HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)t

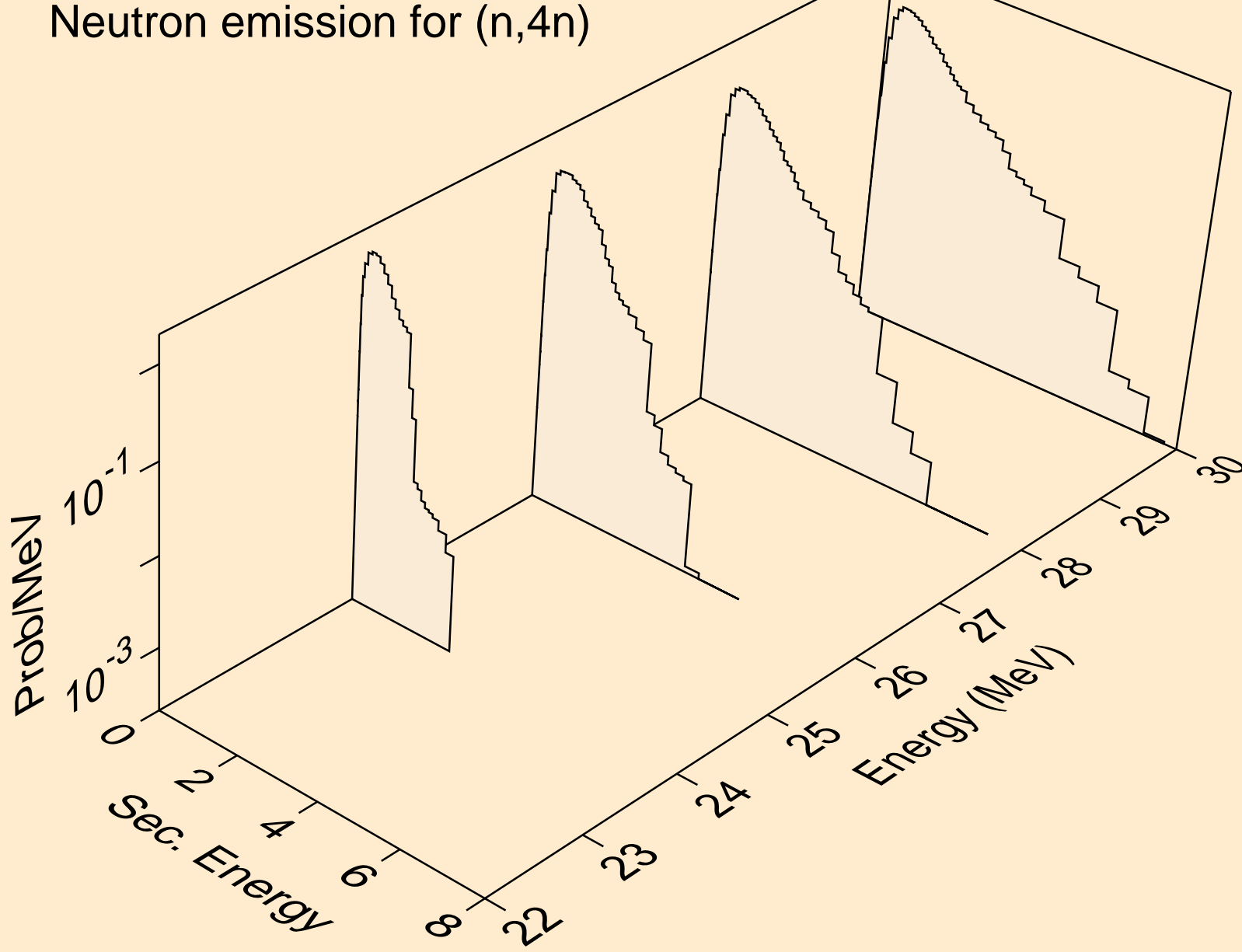




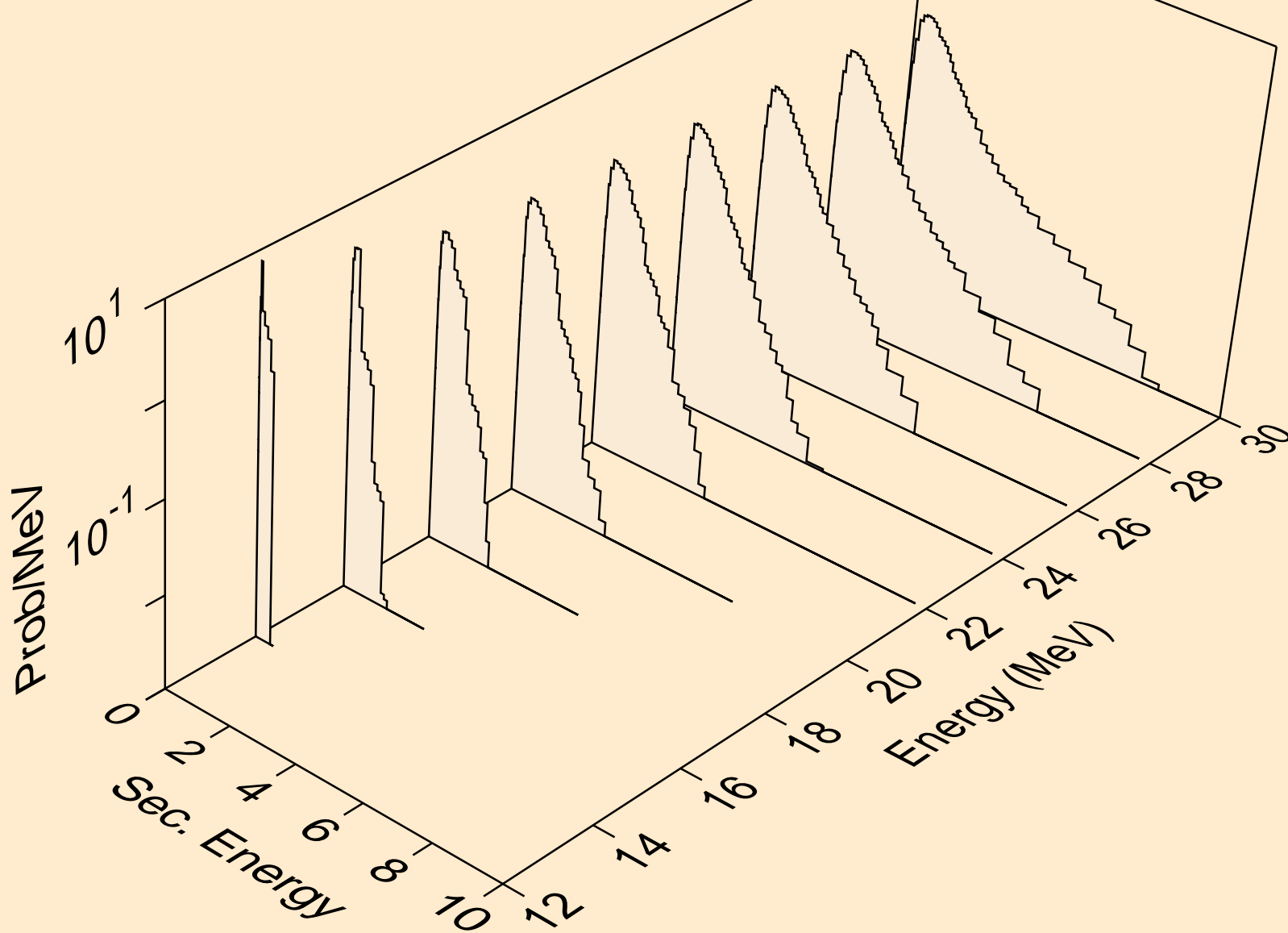
HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)he3



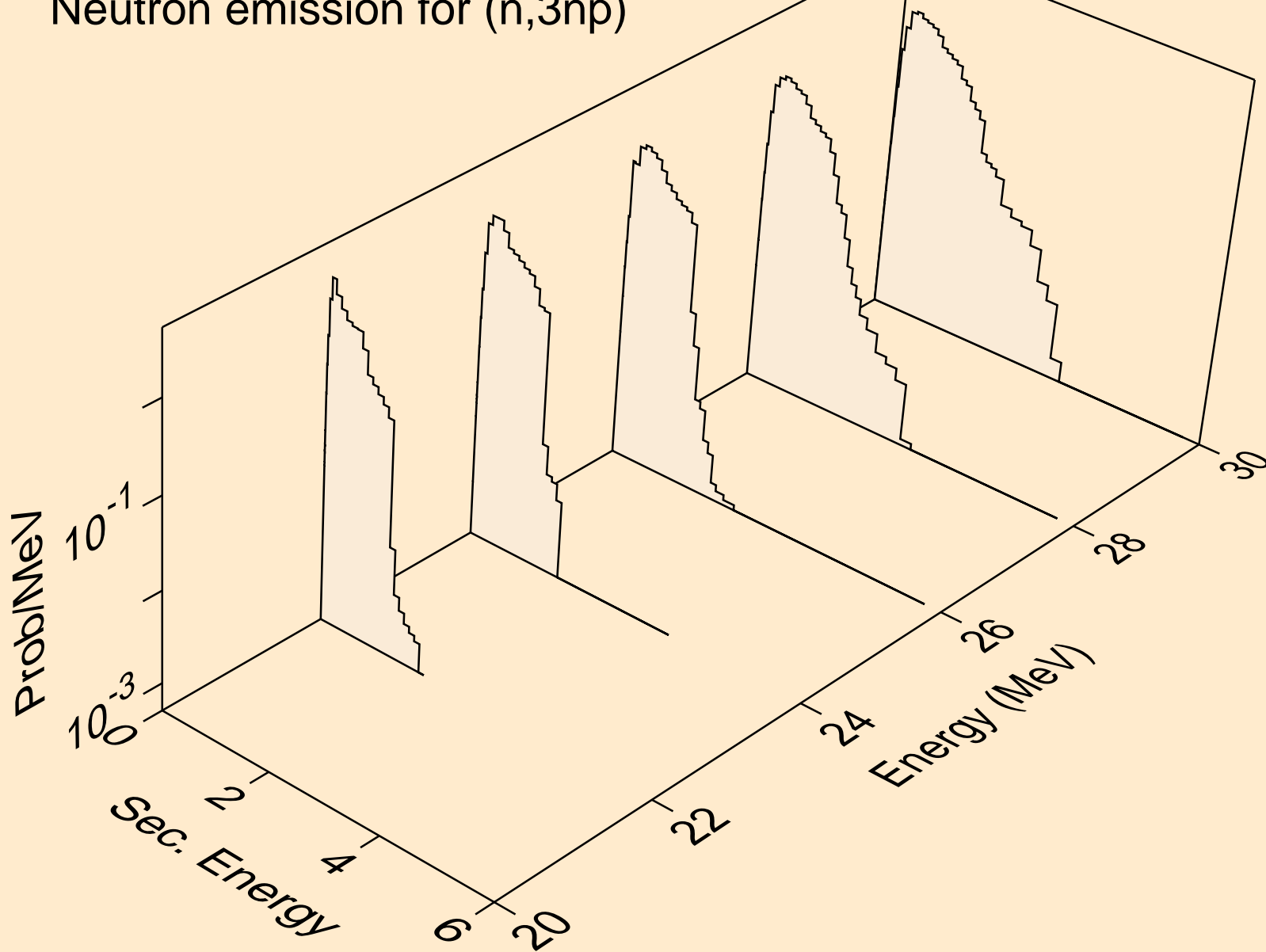
HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,4n)



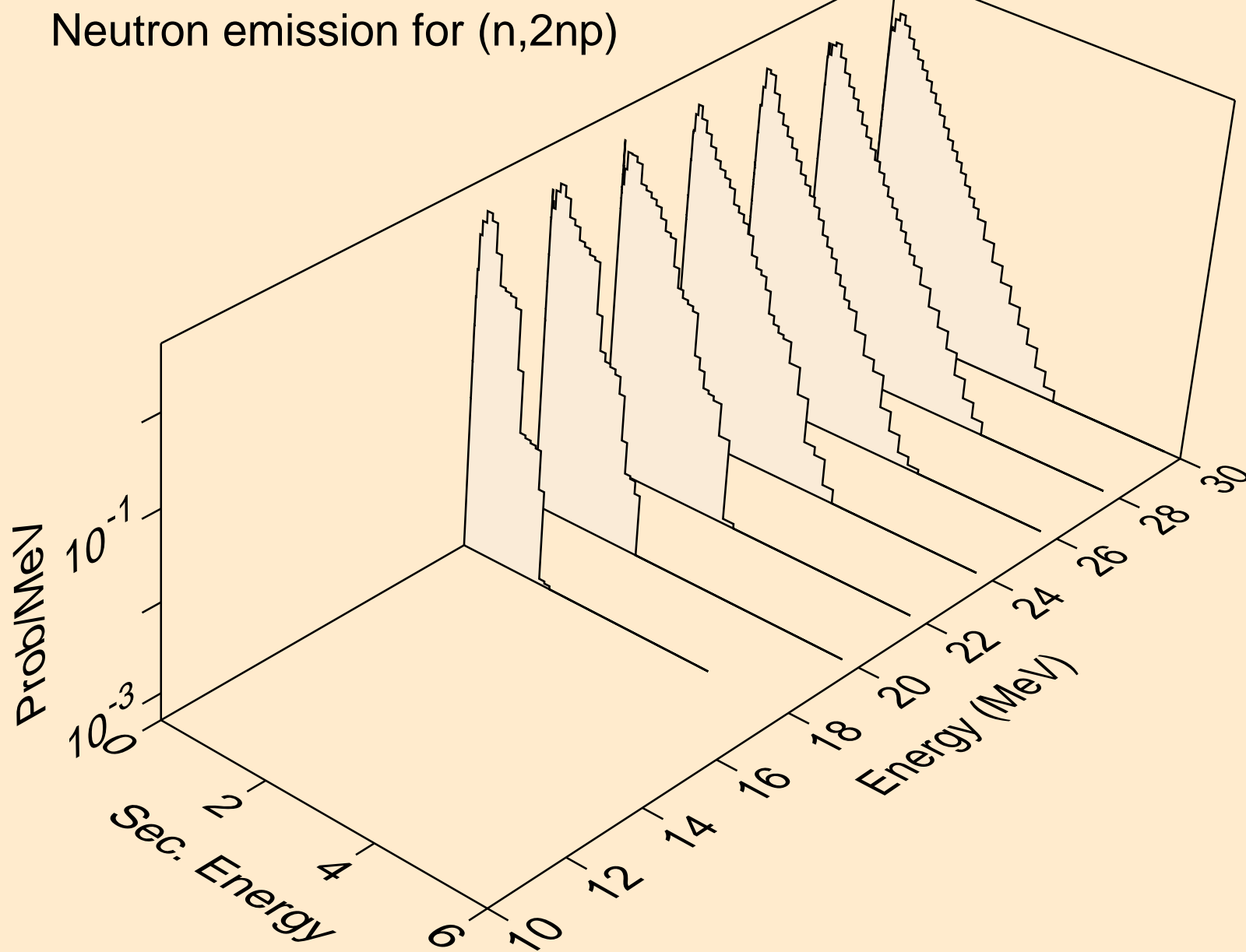
HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2np)



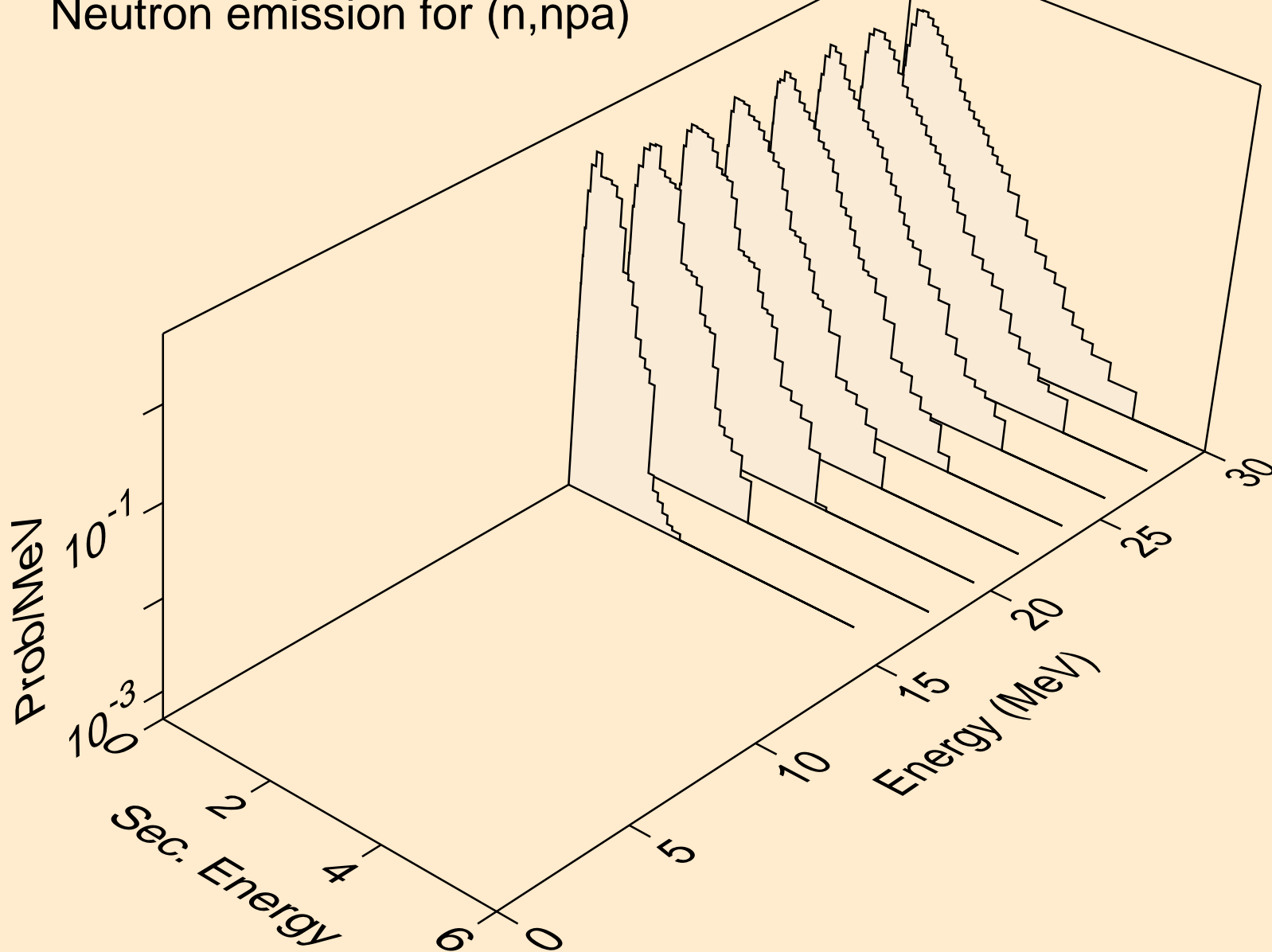
HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3np)



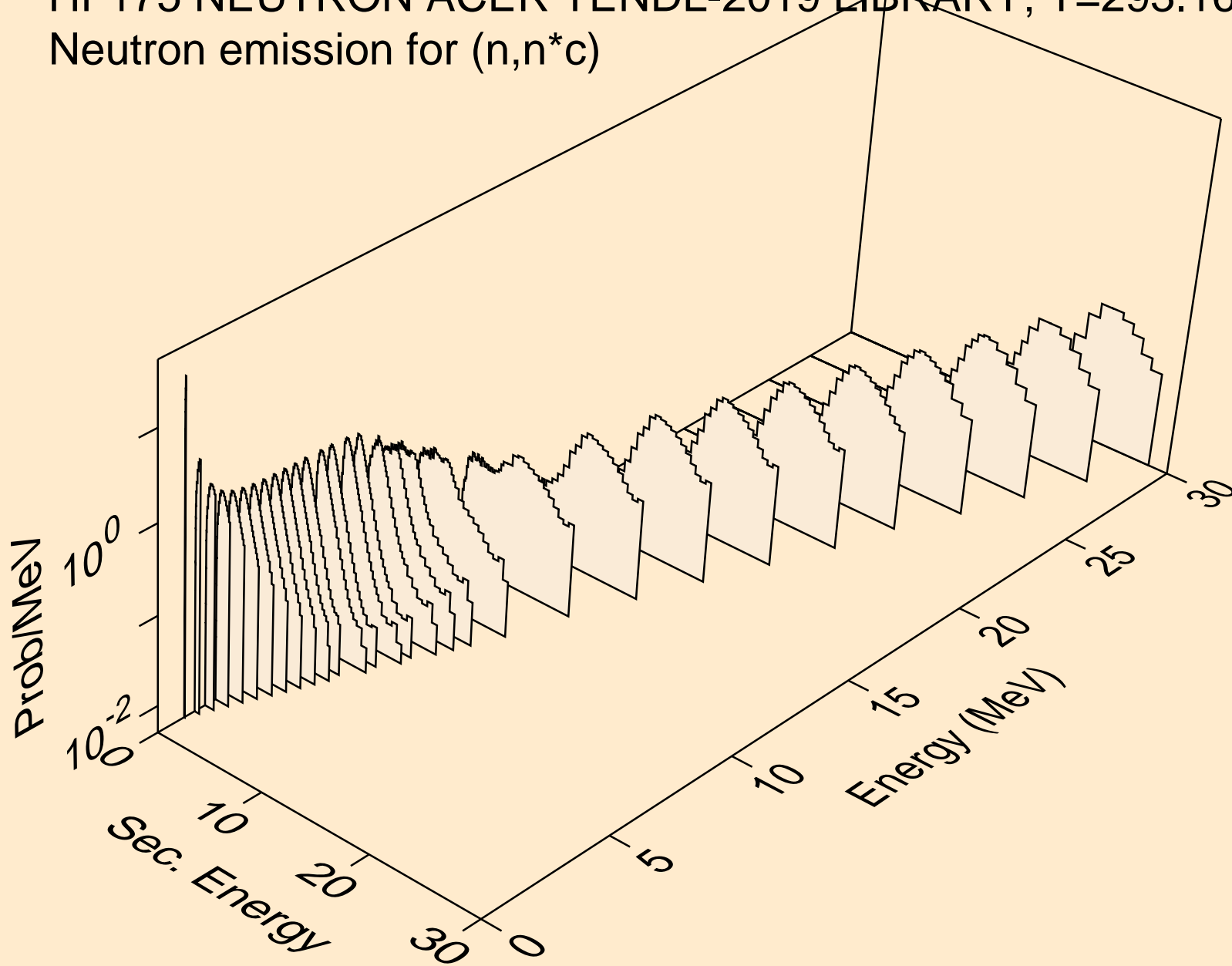
HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2np)



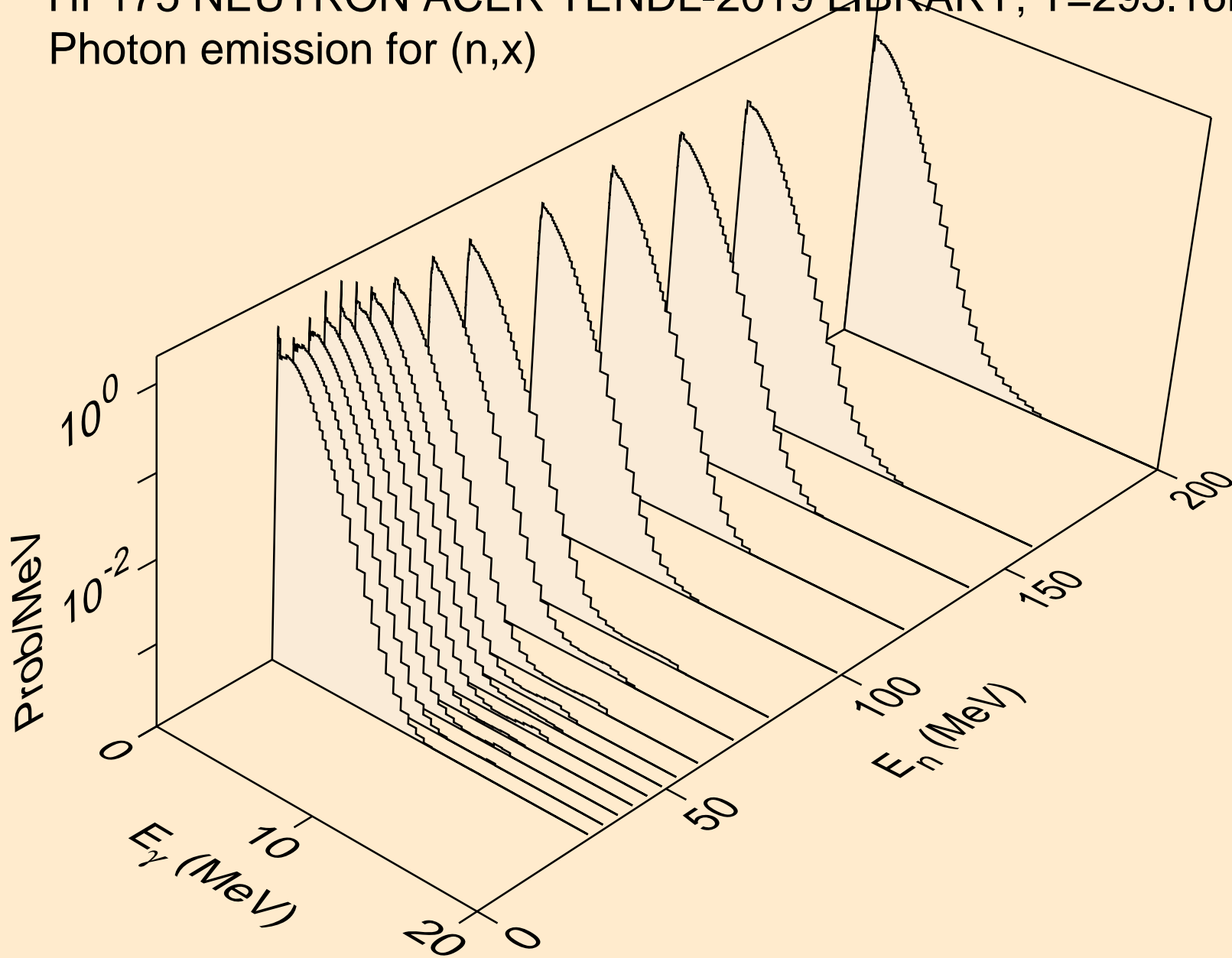
HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,npa)



HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*c)

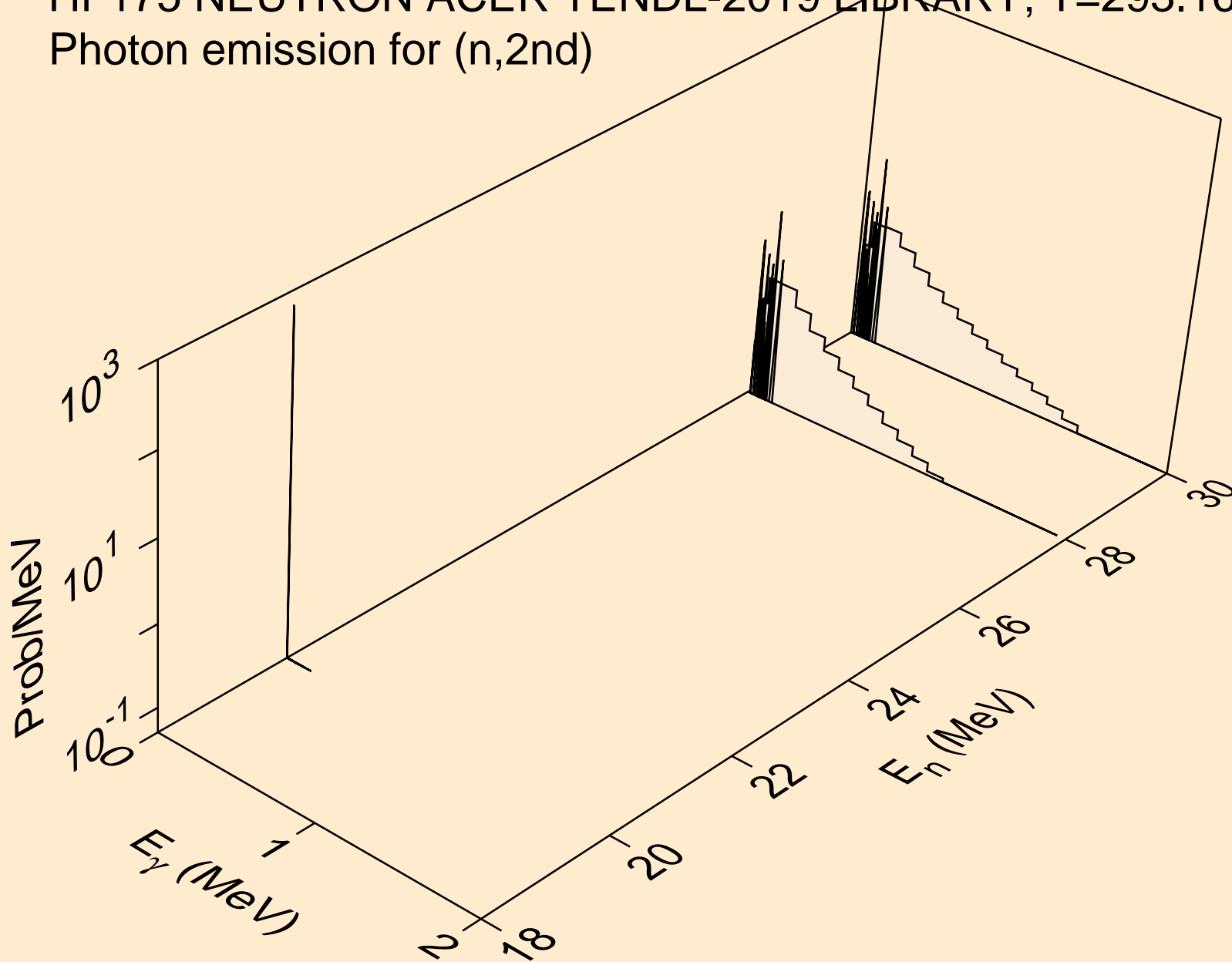


HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,x)

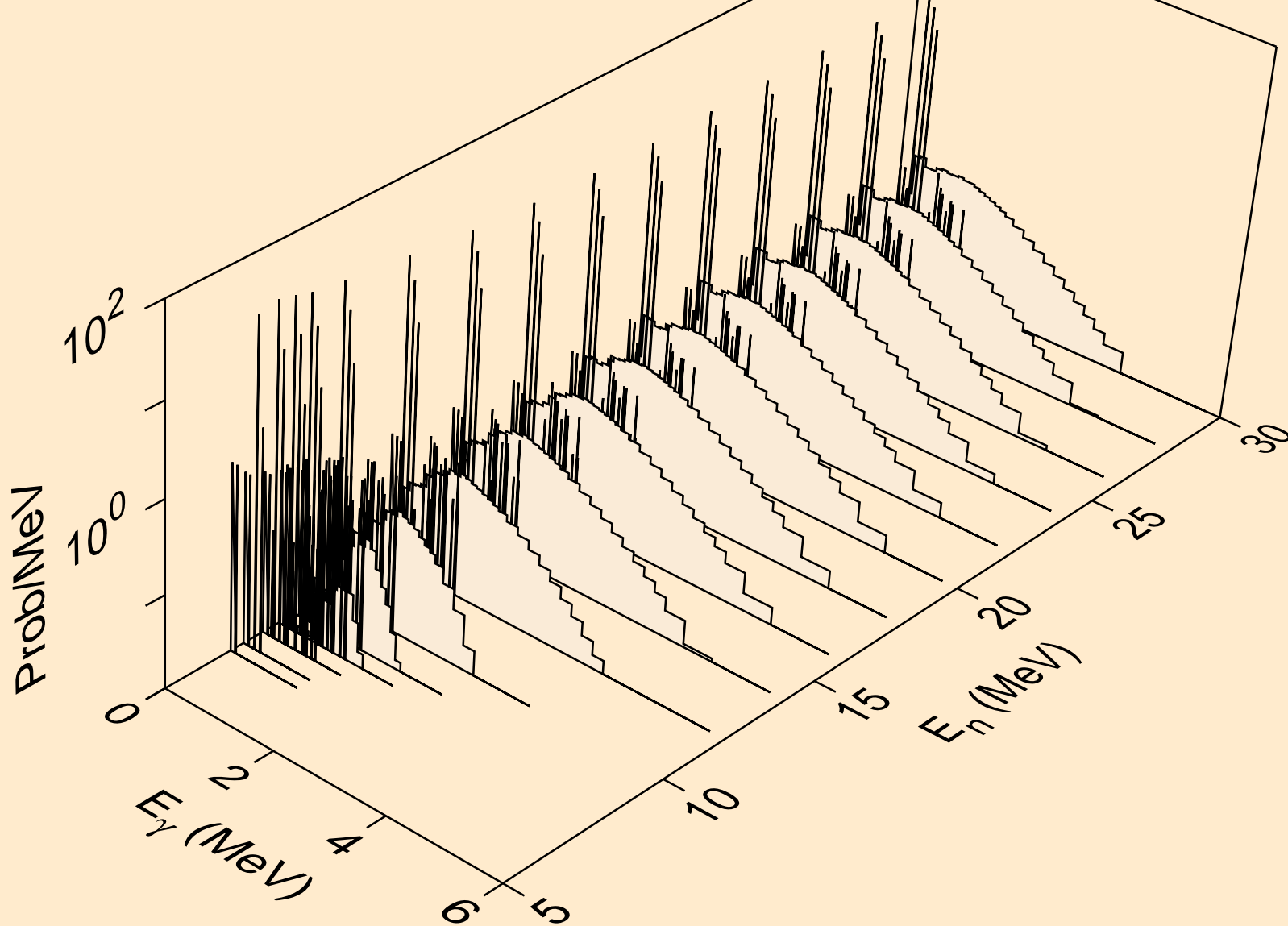




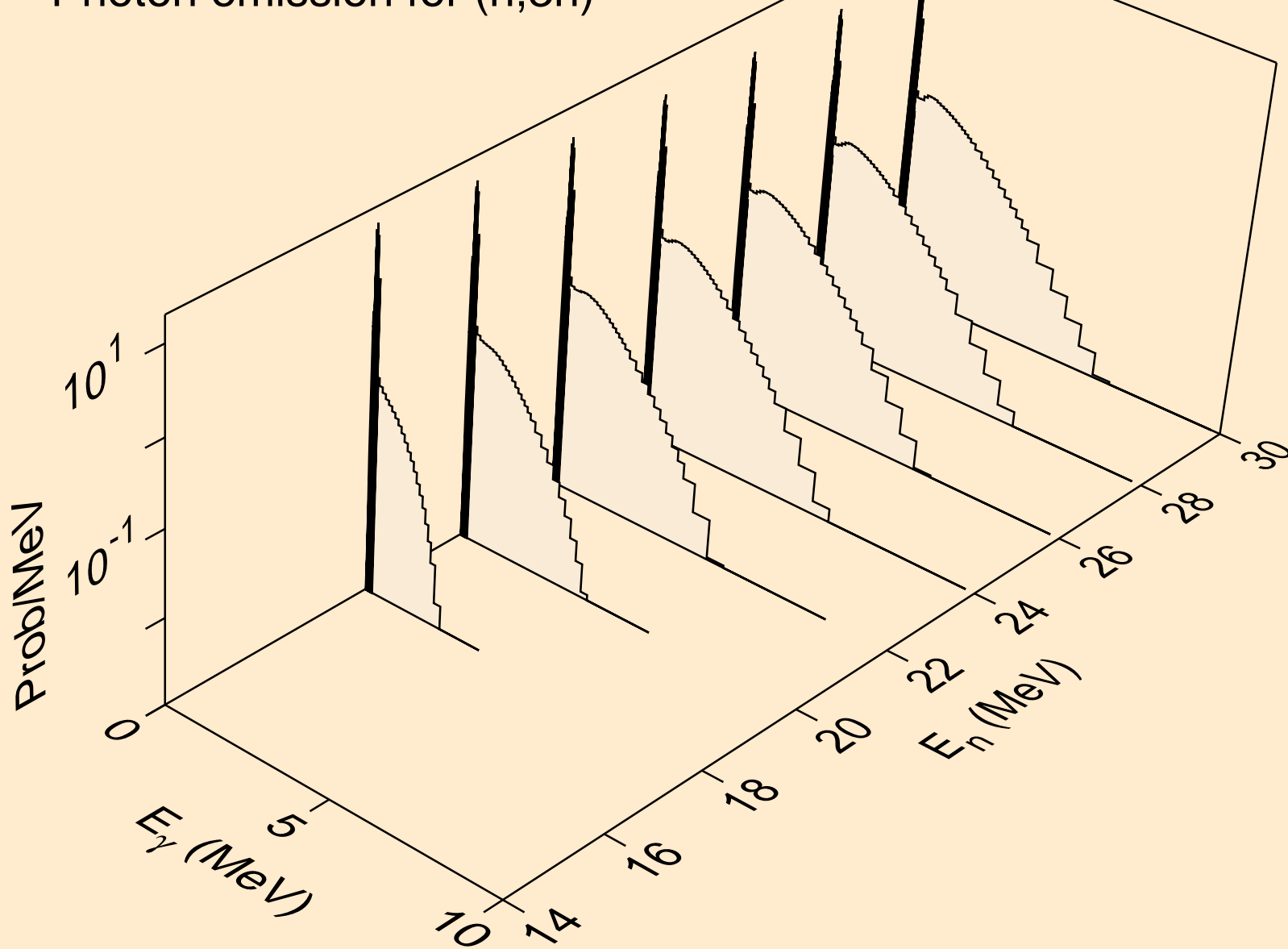
HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2nd)



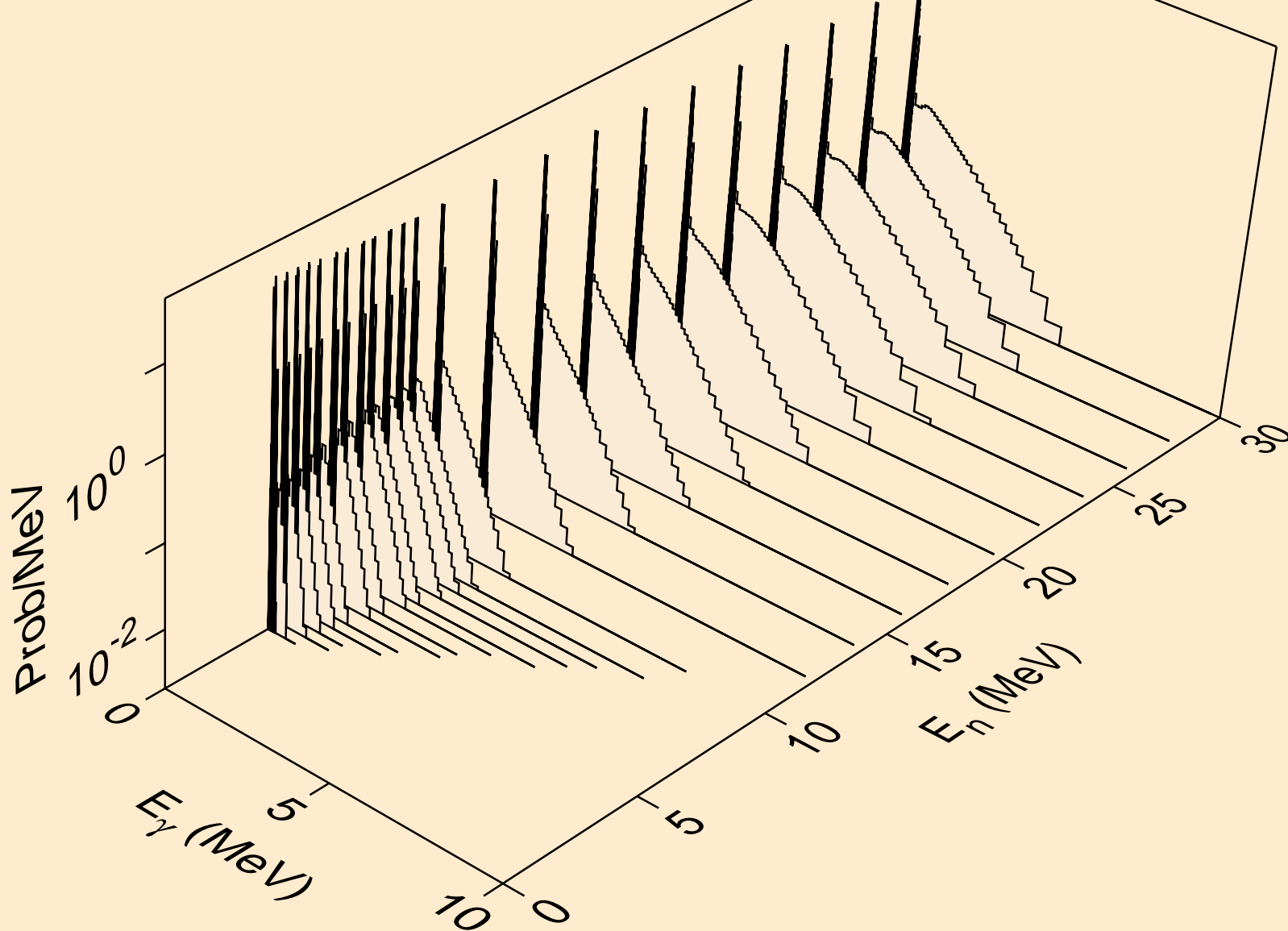
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Photon emission for (n,2n)



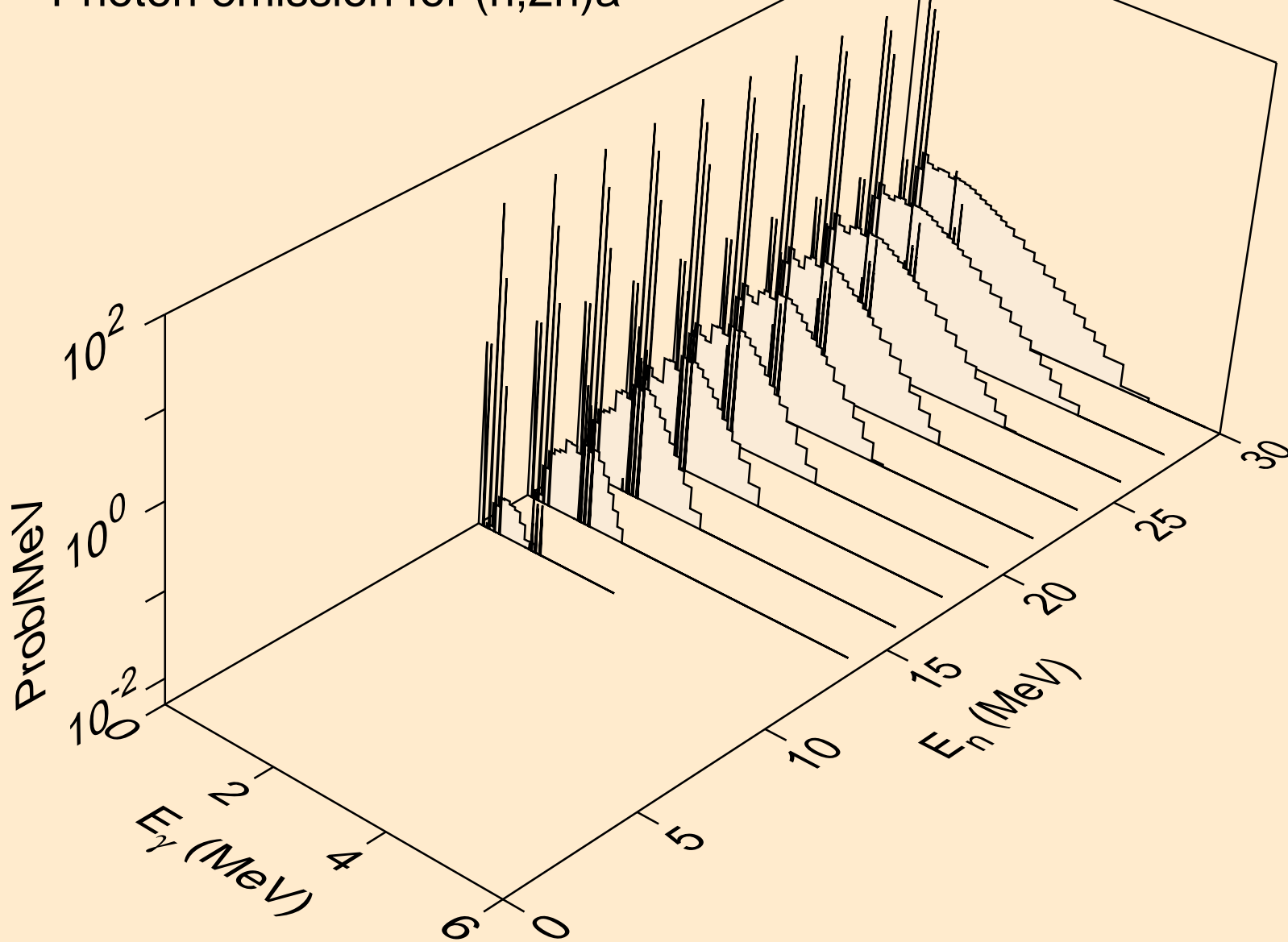
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Photon emission for (n,3n)



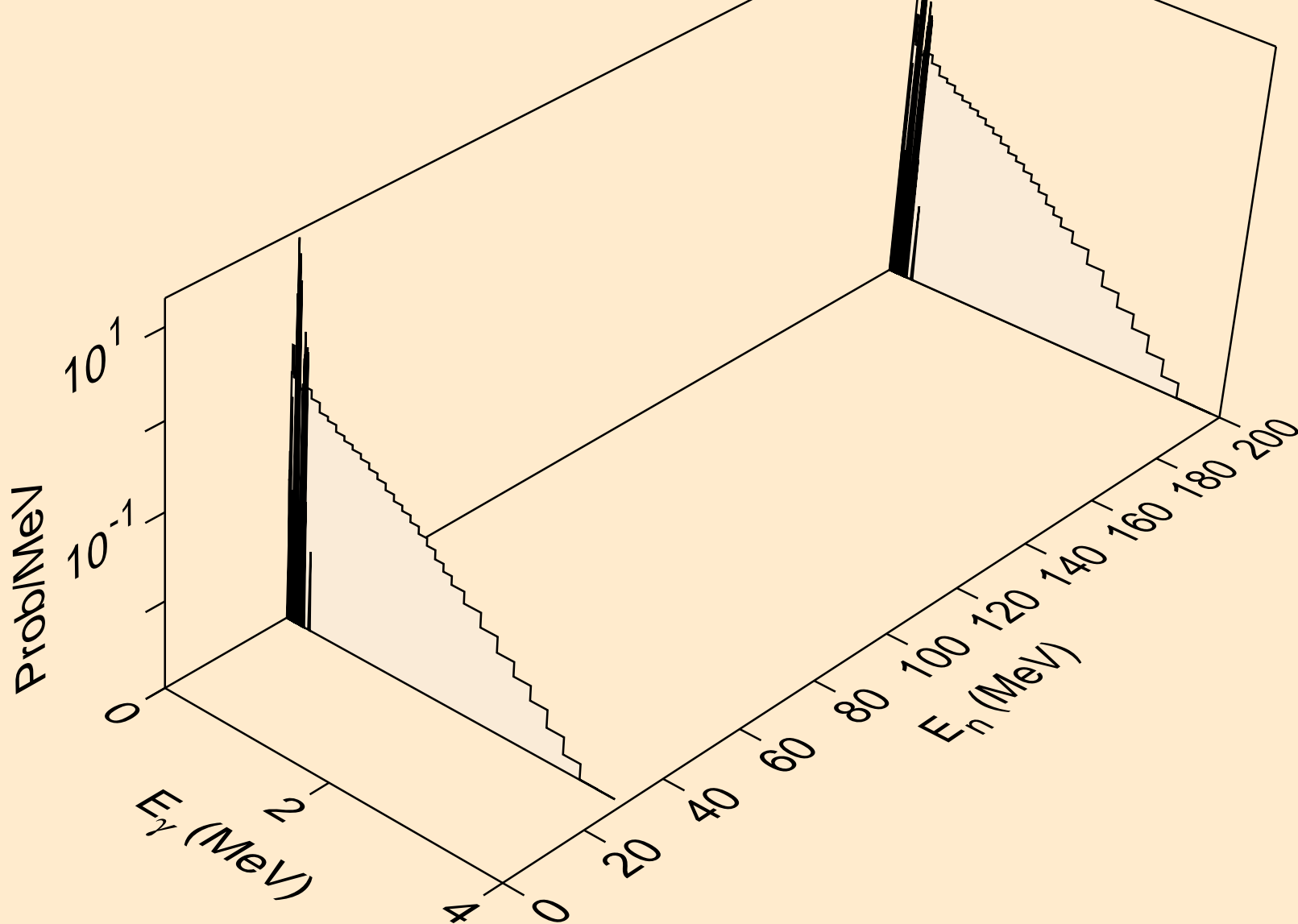
HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)a



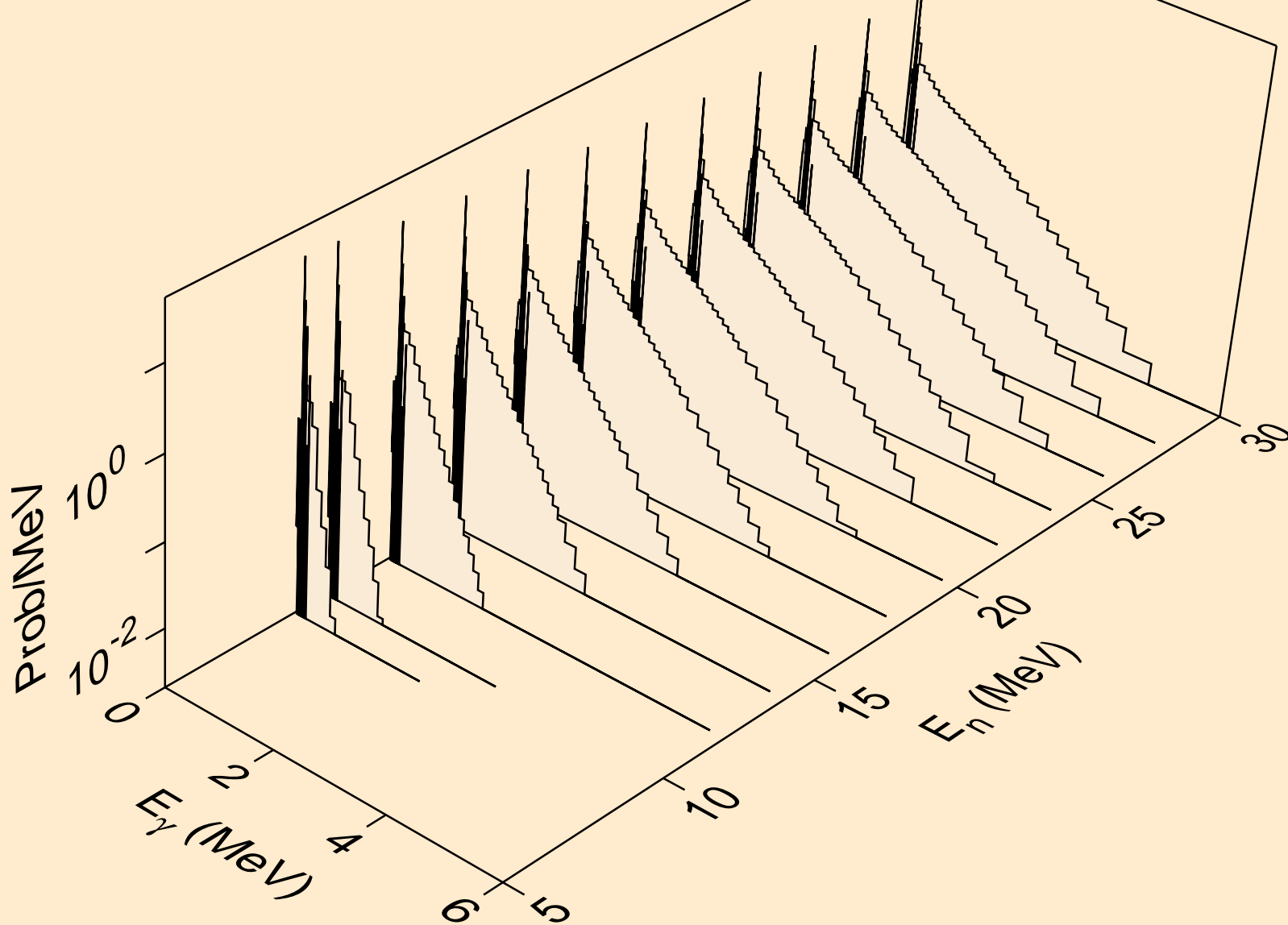
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Photon emission for (n,2n)a



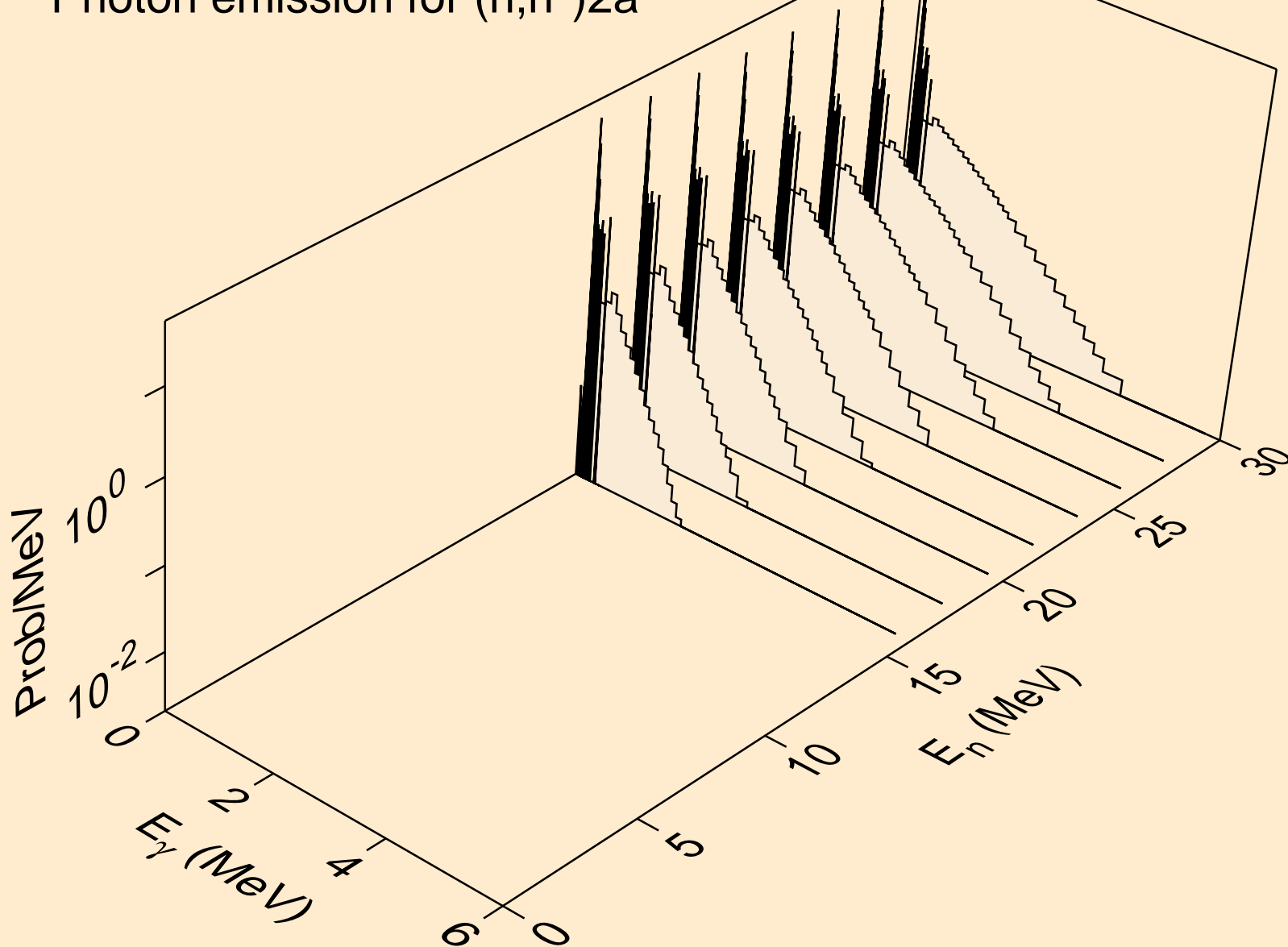
HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3n)a



HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)p

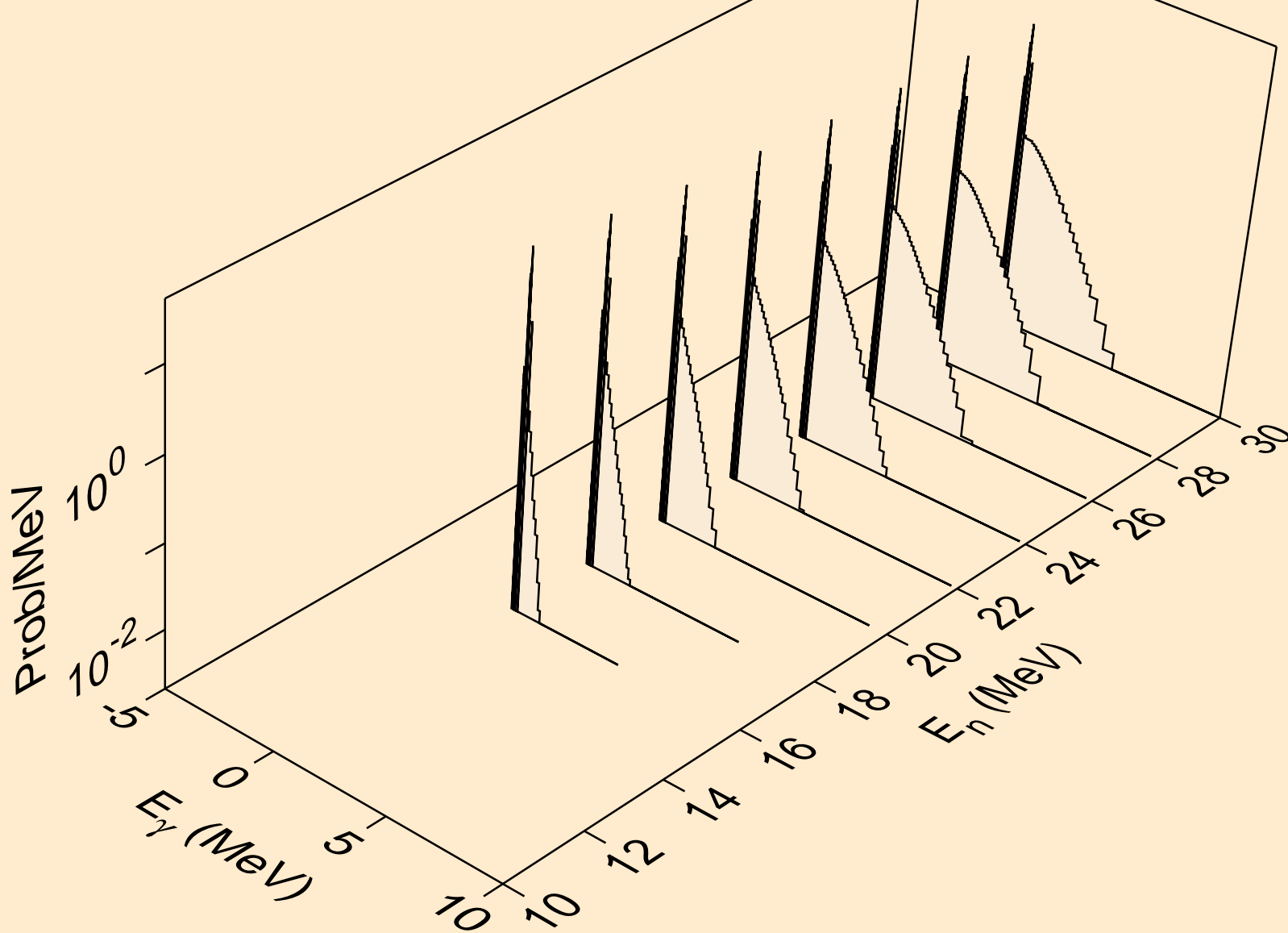


HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)2a

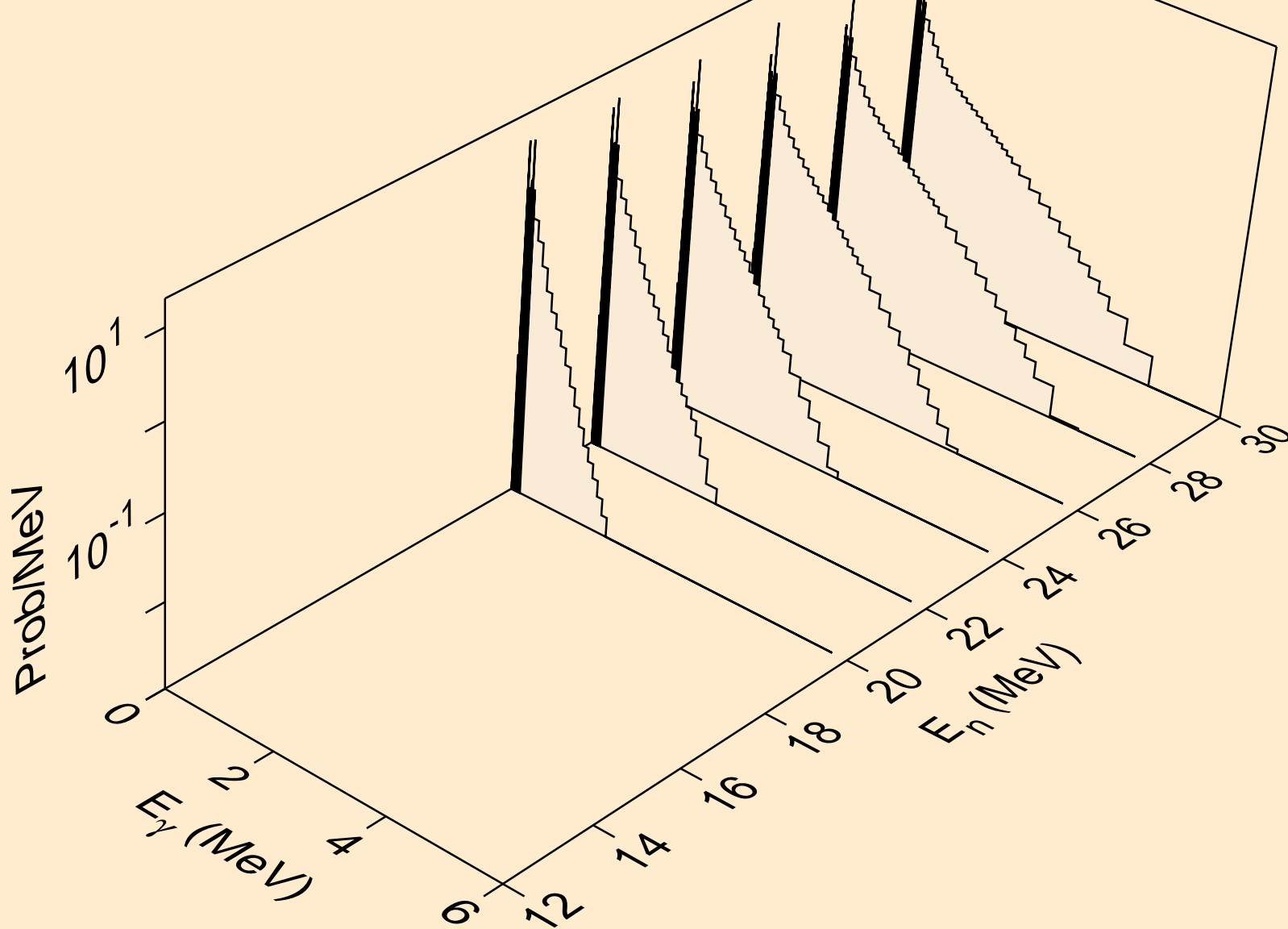




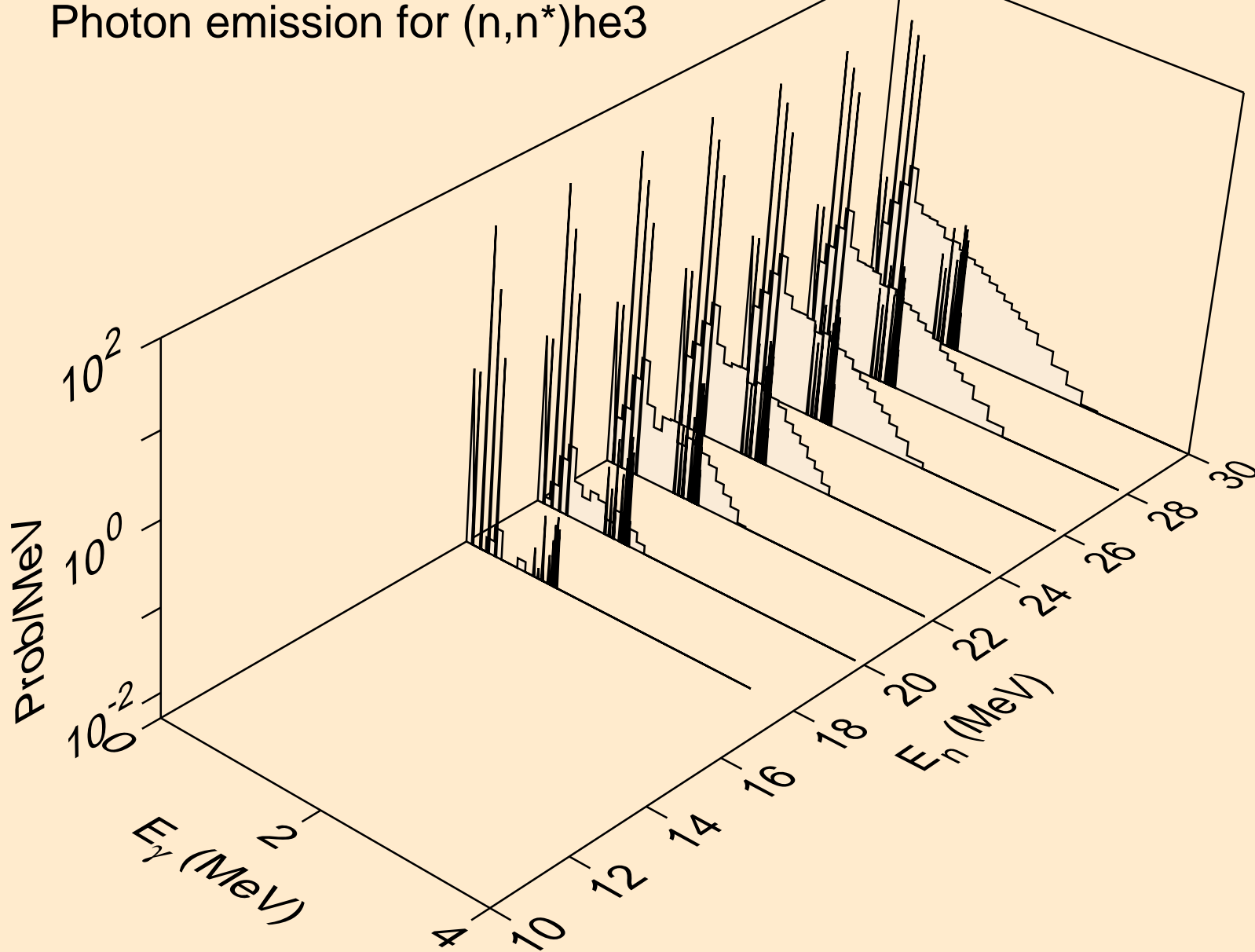
HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)d



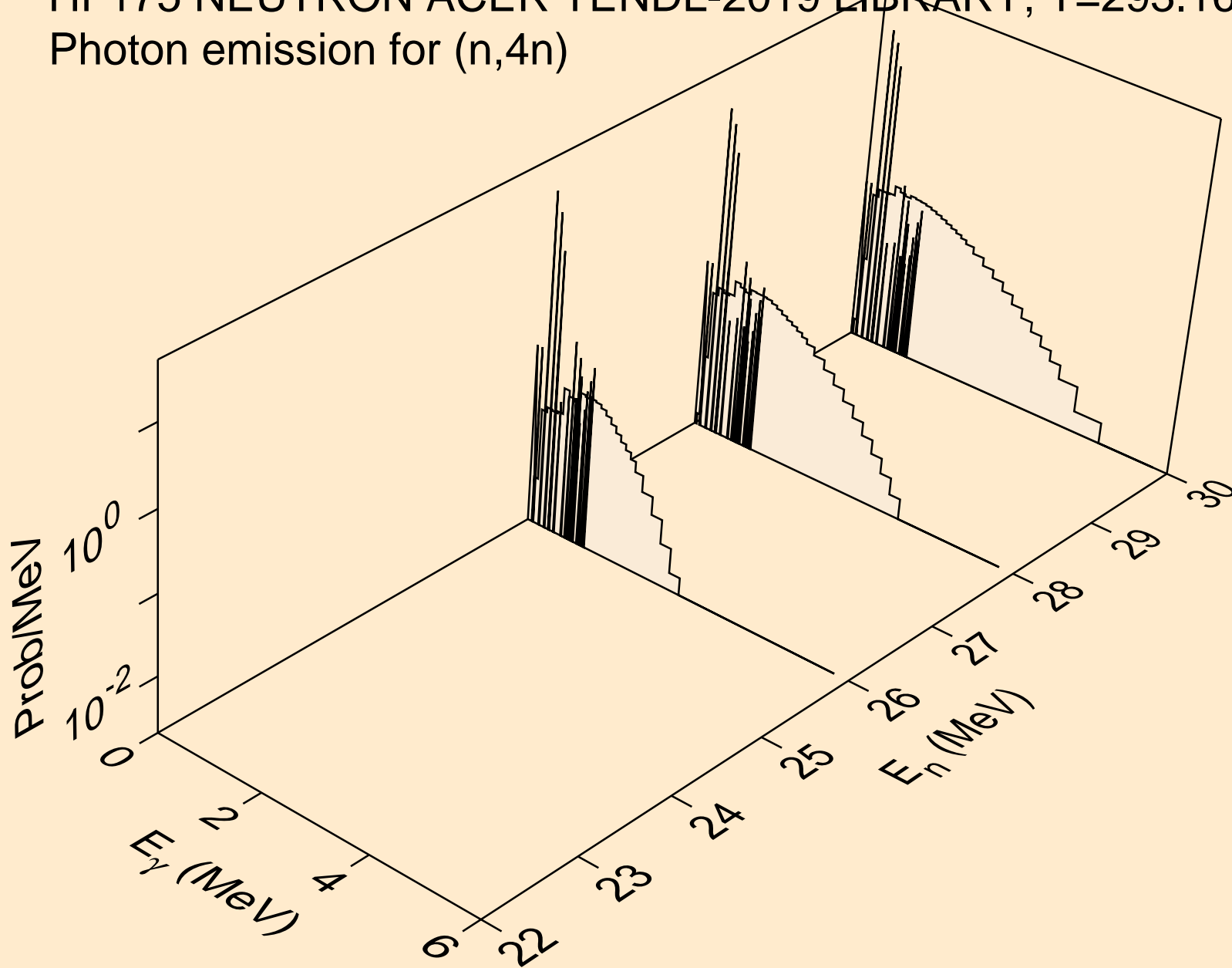
HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)t



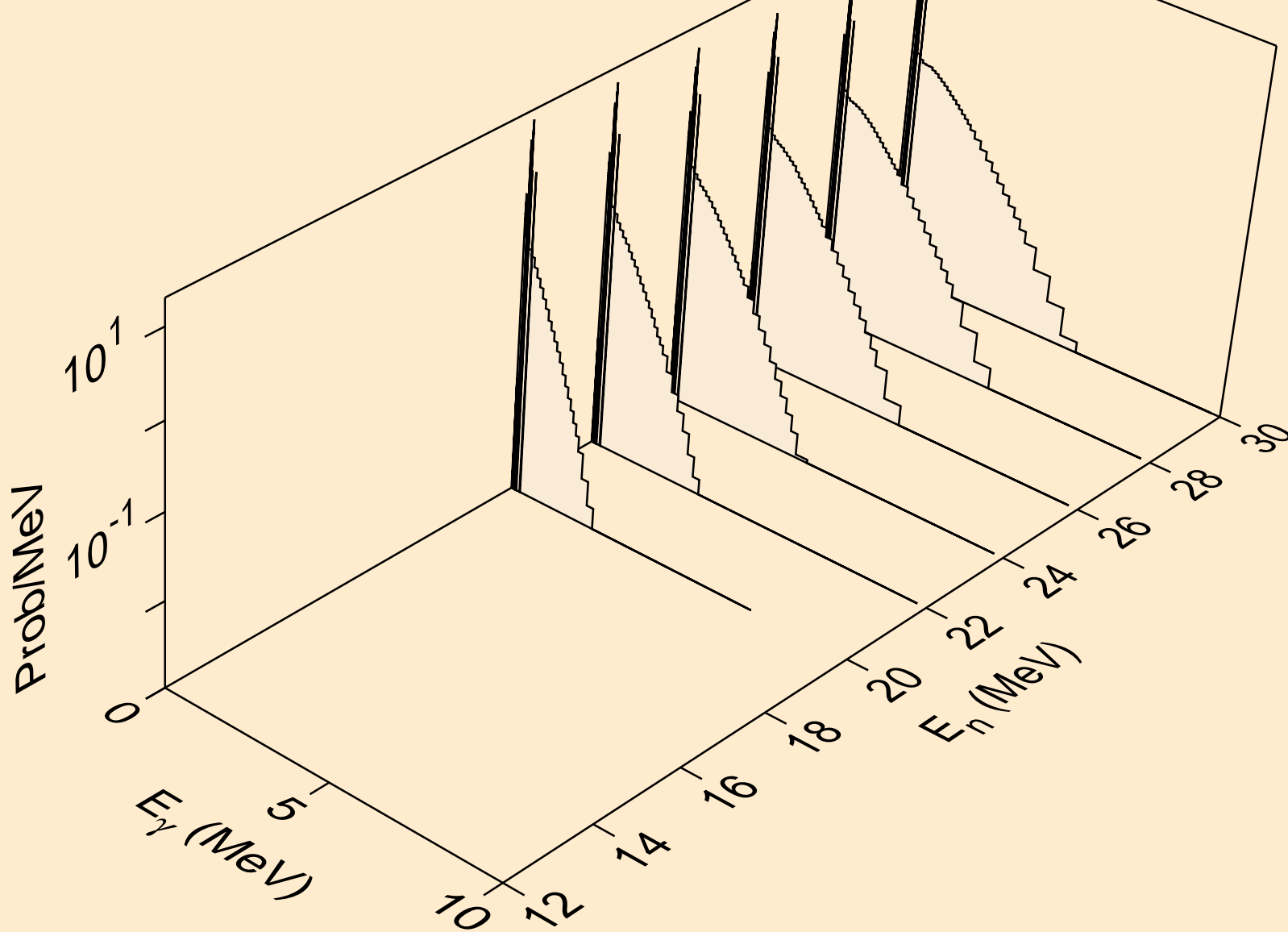
HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)he3



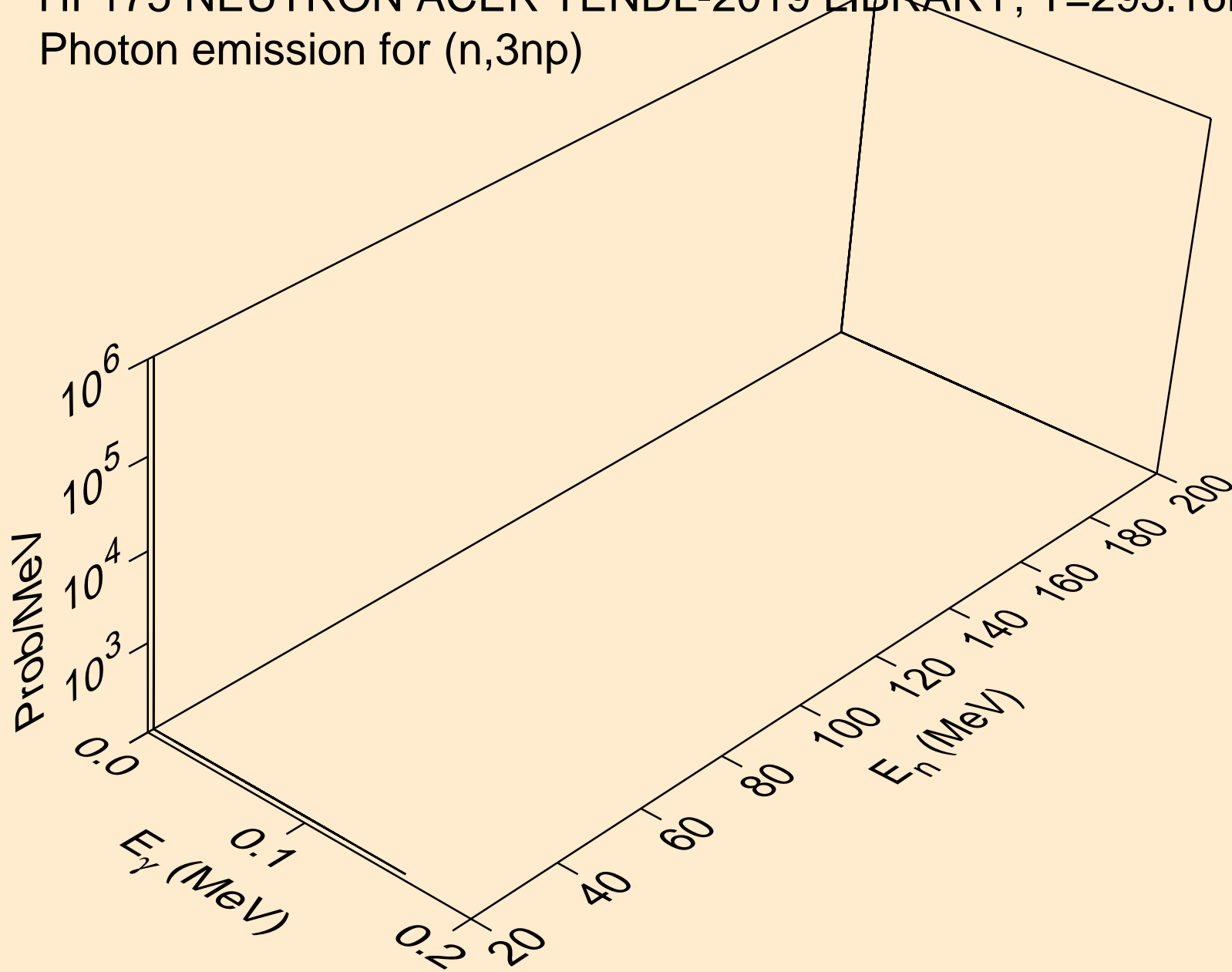
HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,4n)



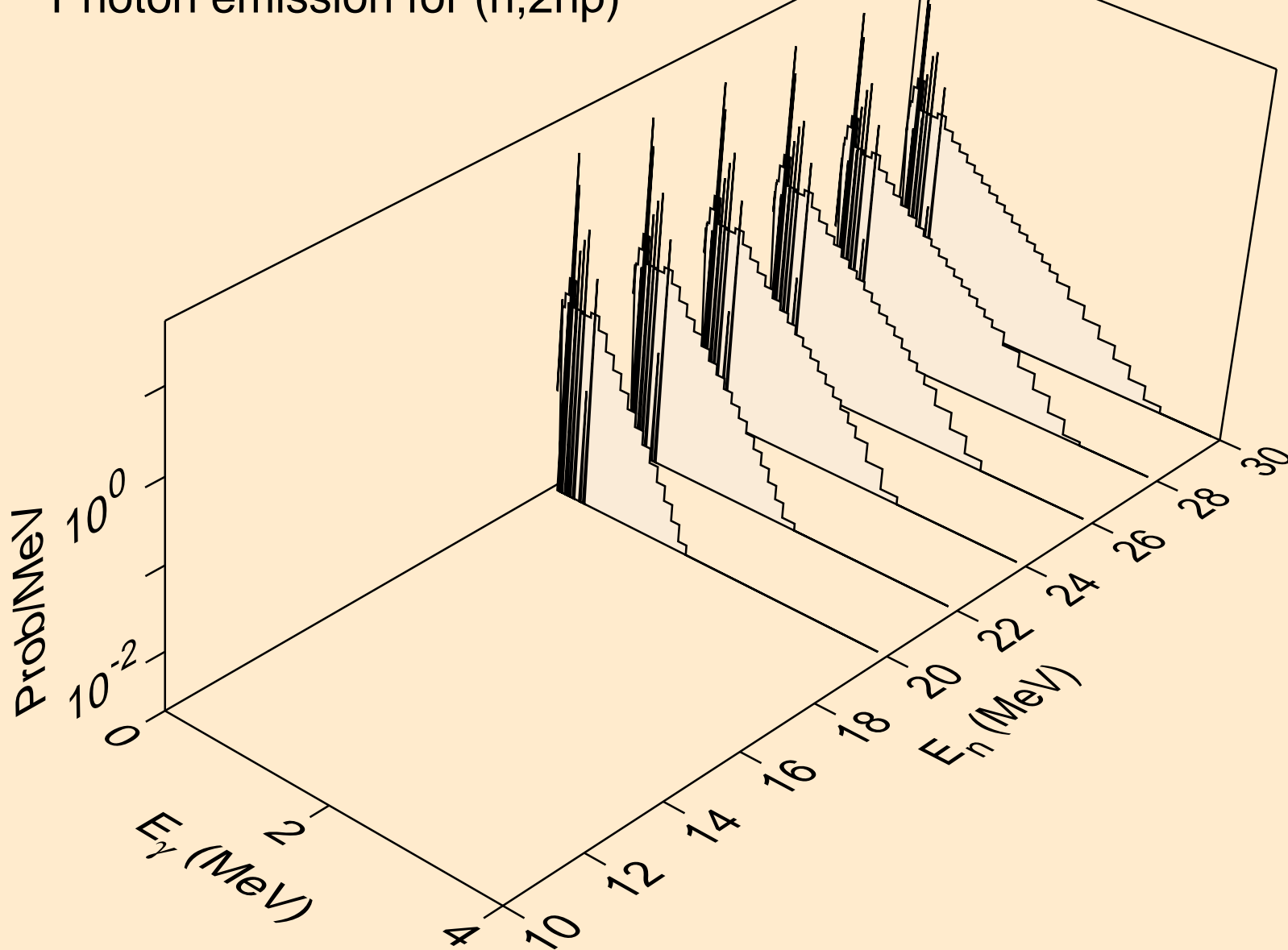
HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2np)



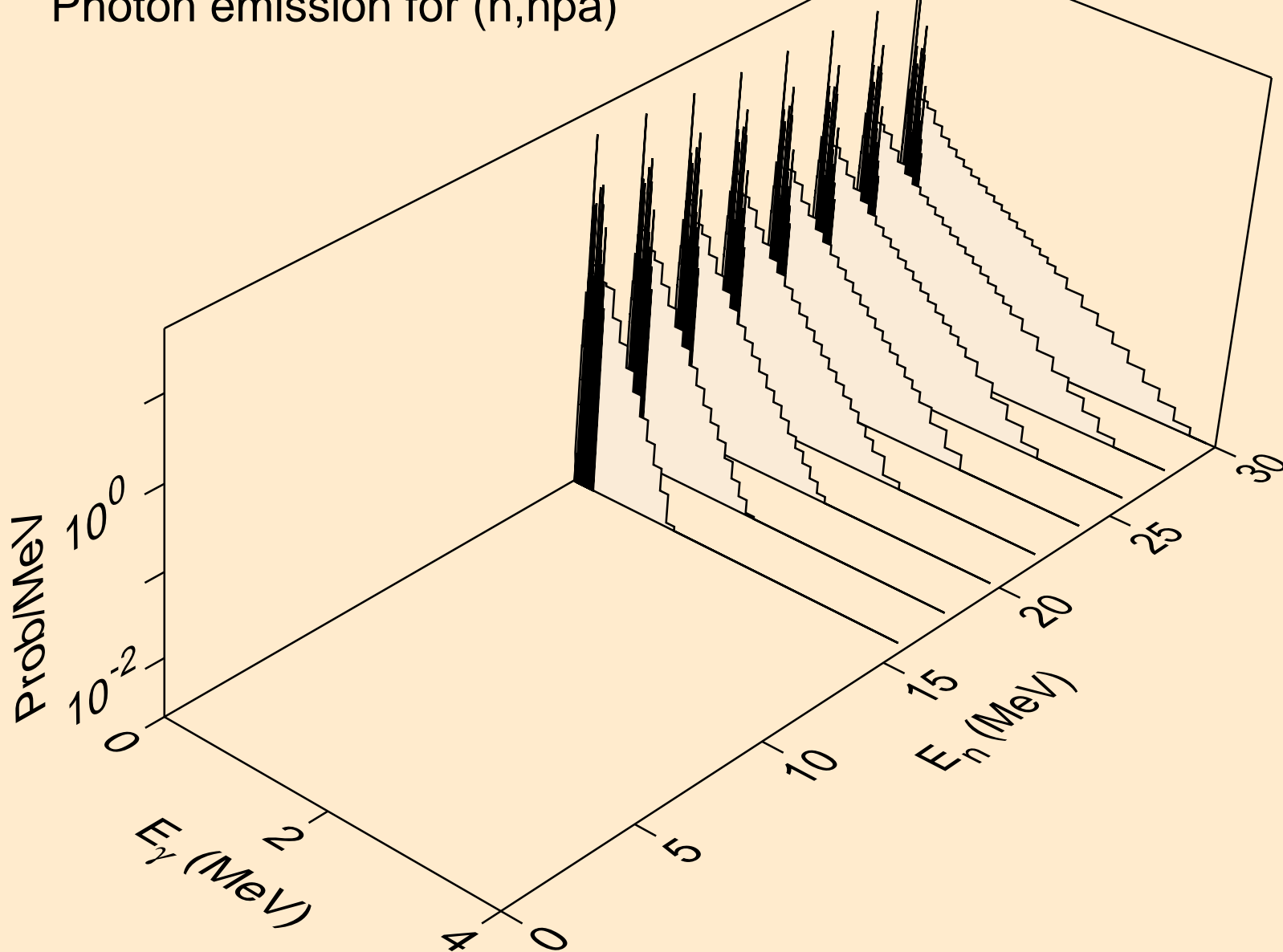
HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3np)



HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2np)

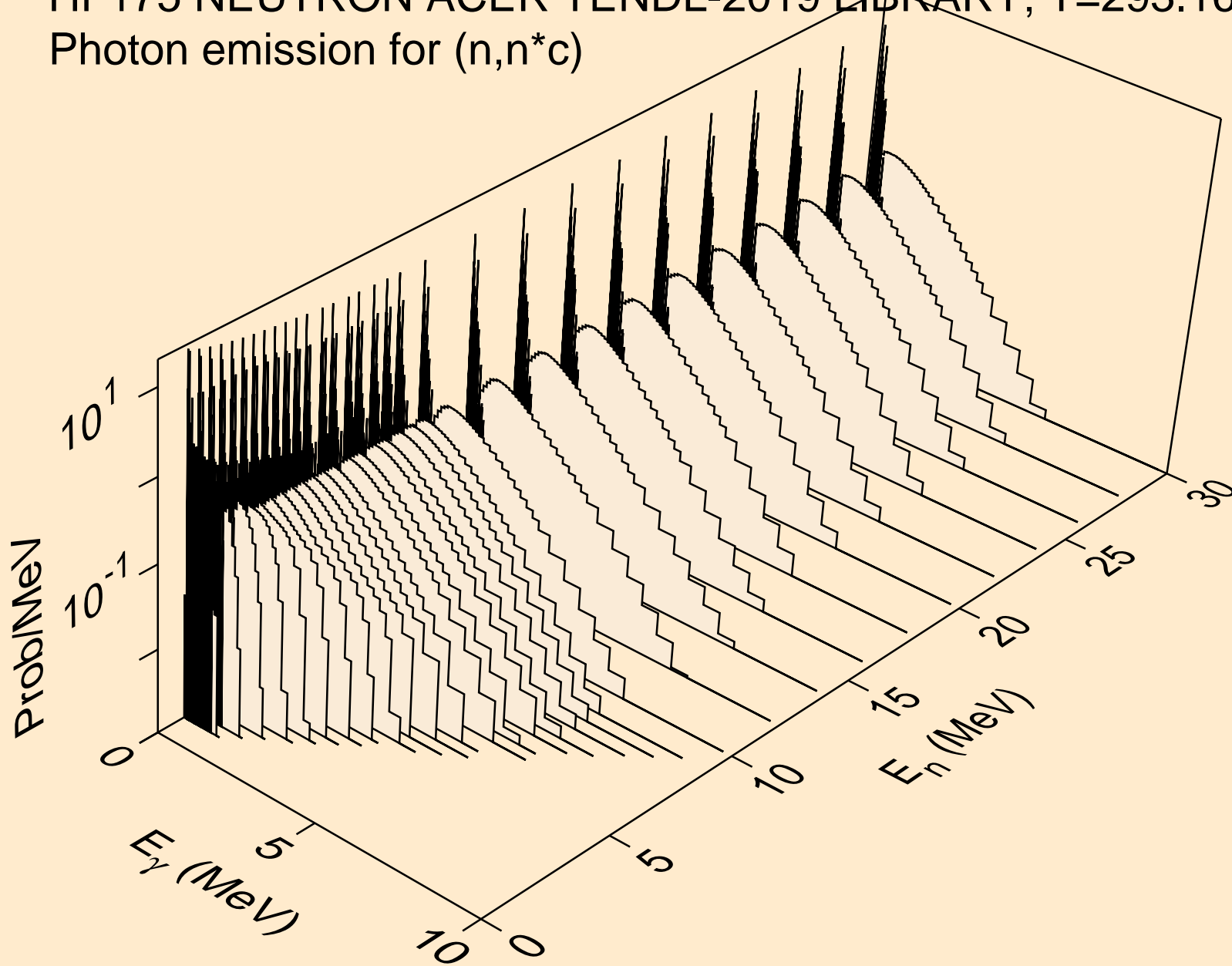


HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,npa)

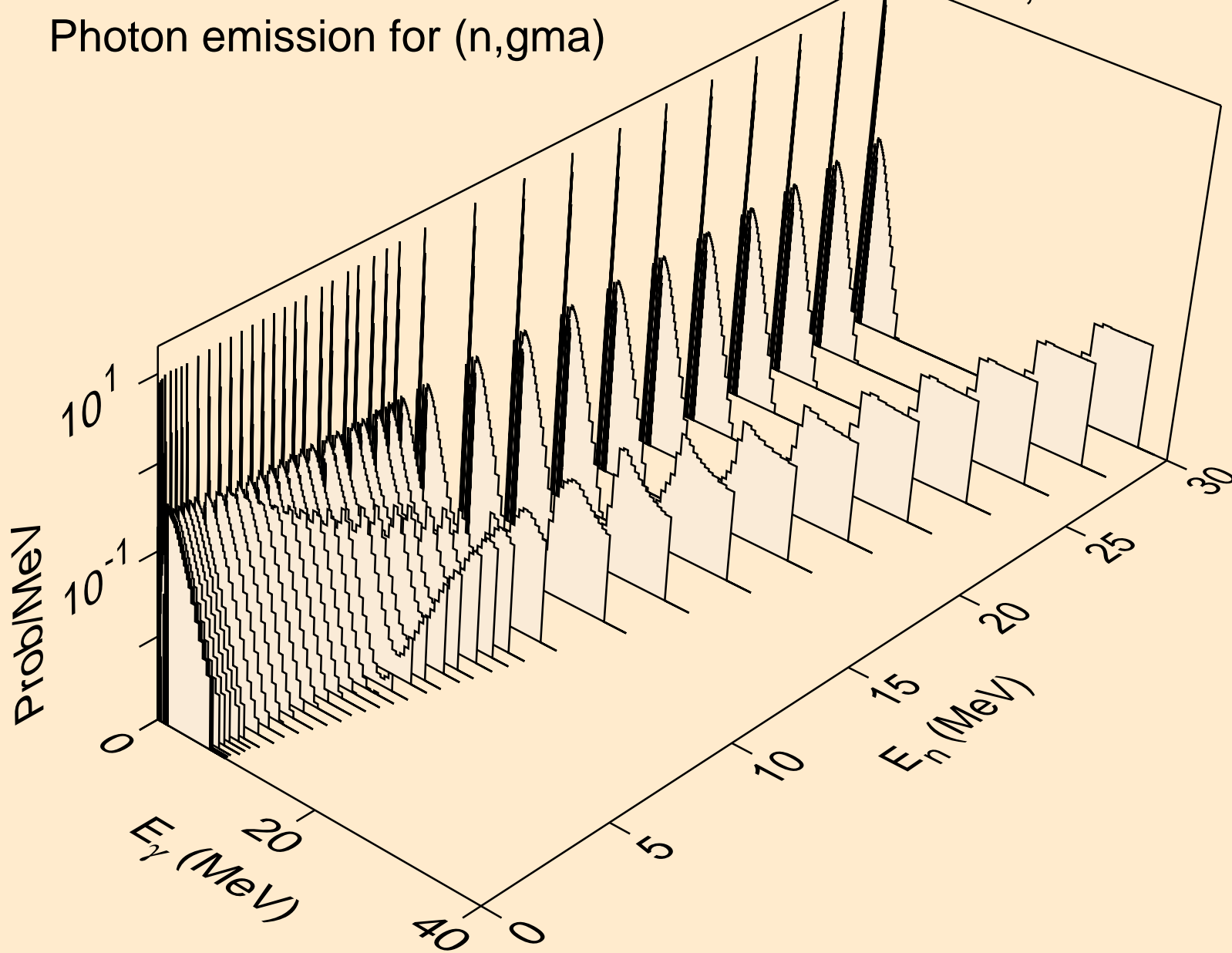




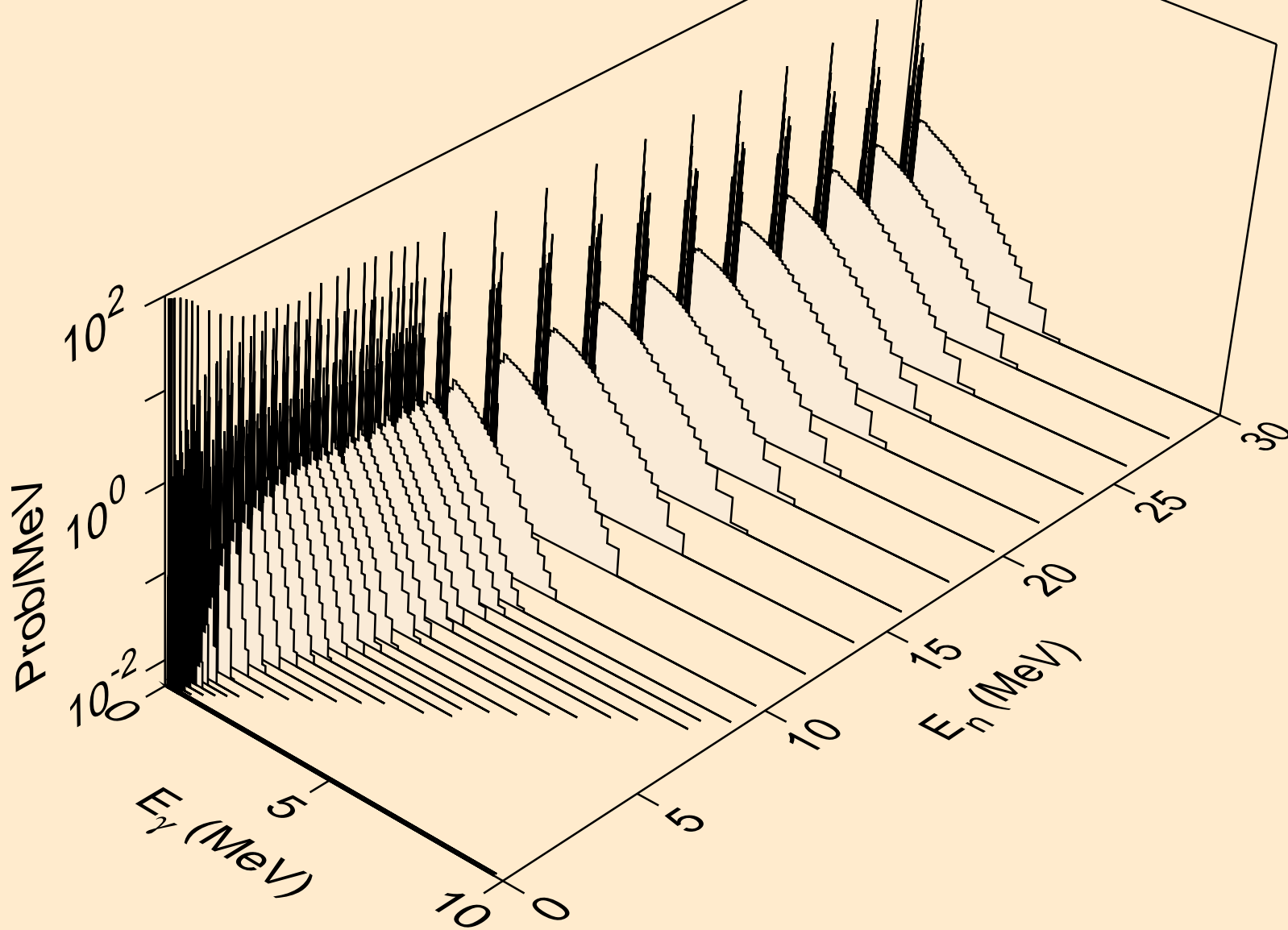
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Photon emission for (n,n\*c)



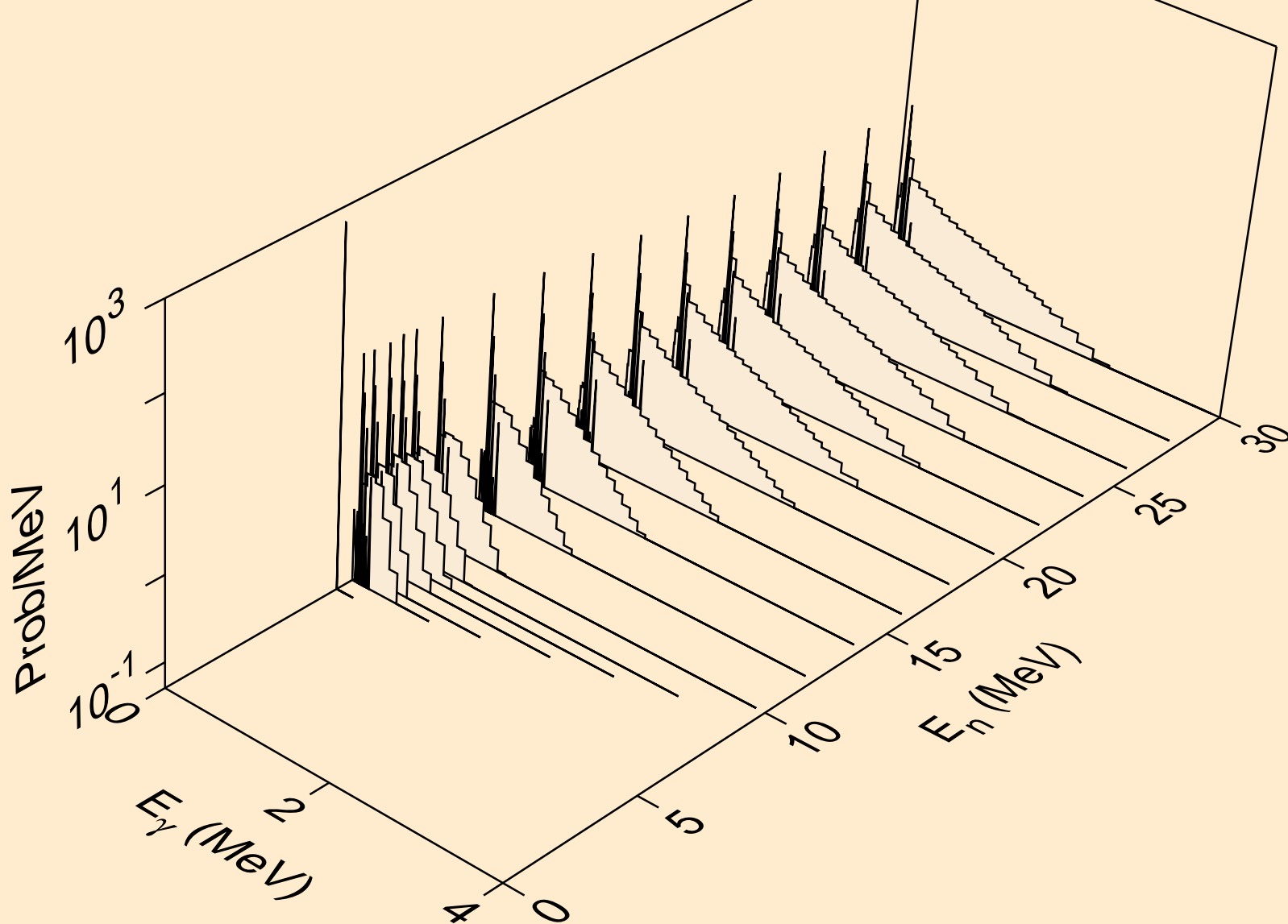
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Photon emission for (n,gma)



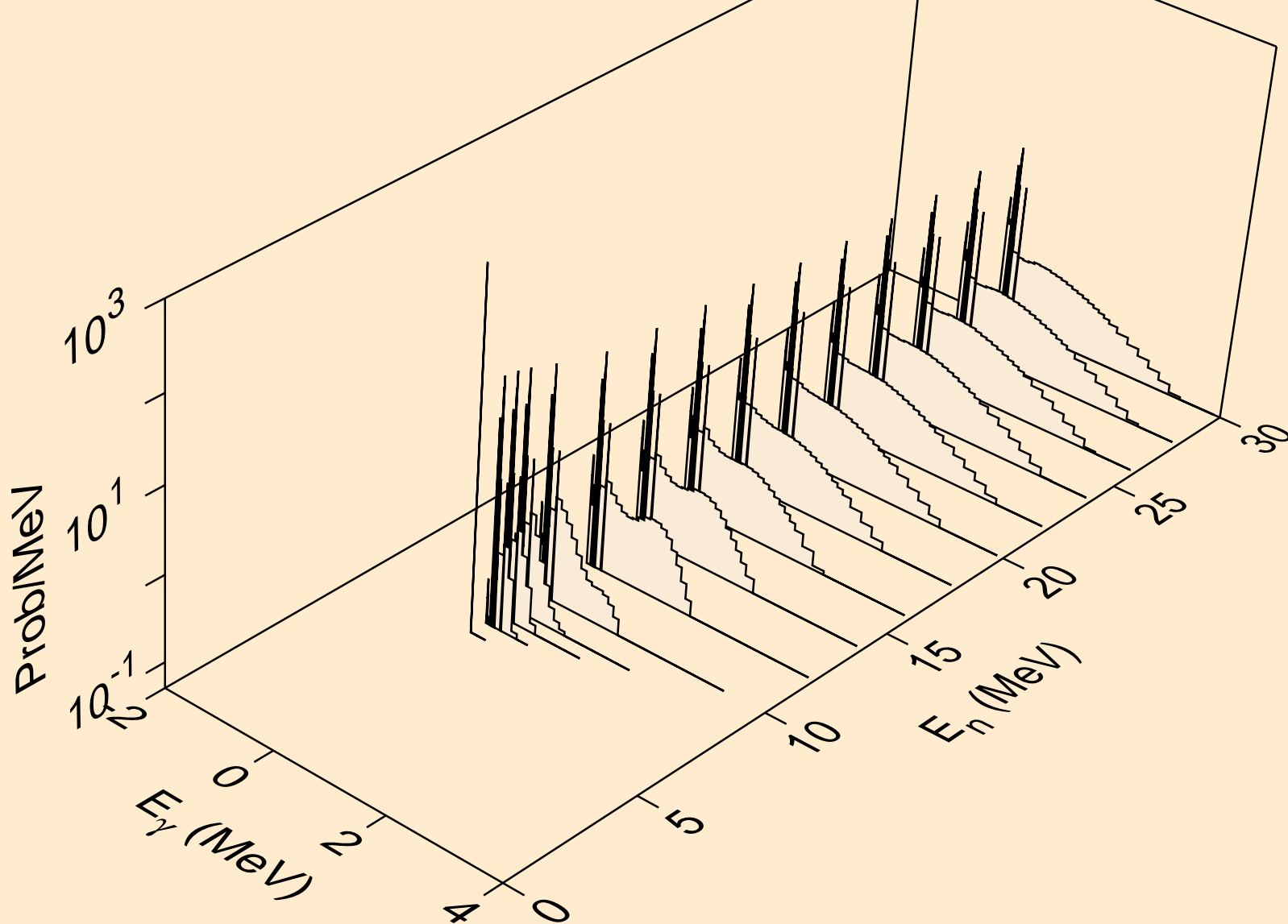
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Photon emission for (n,p)



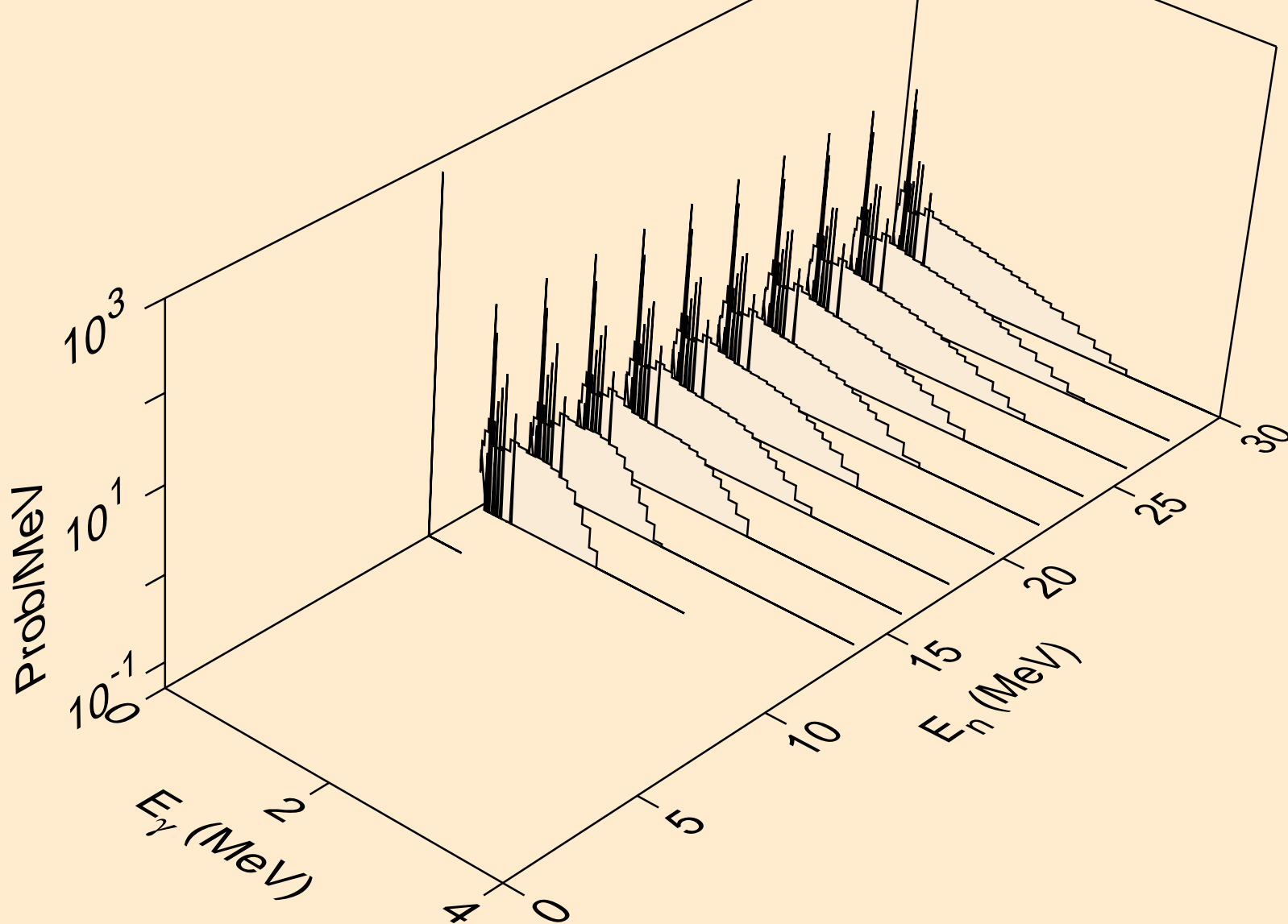
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Photon emission for (n,d)



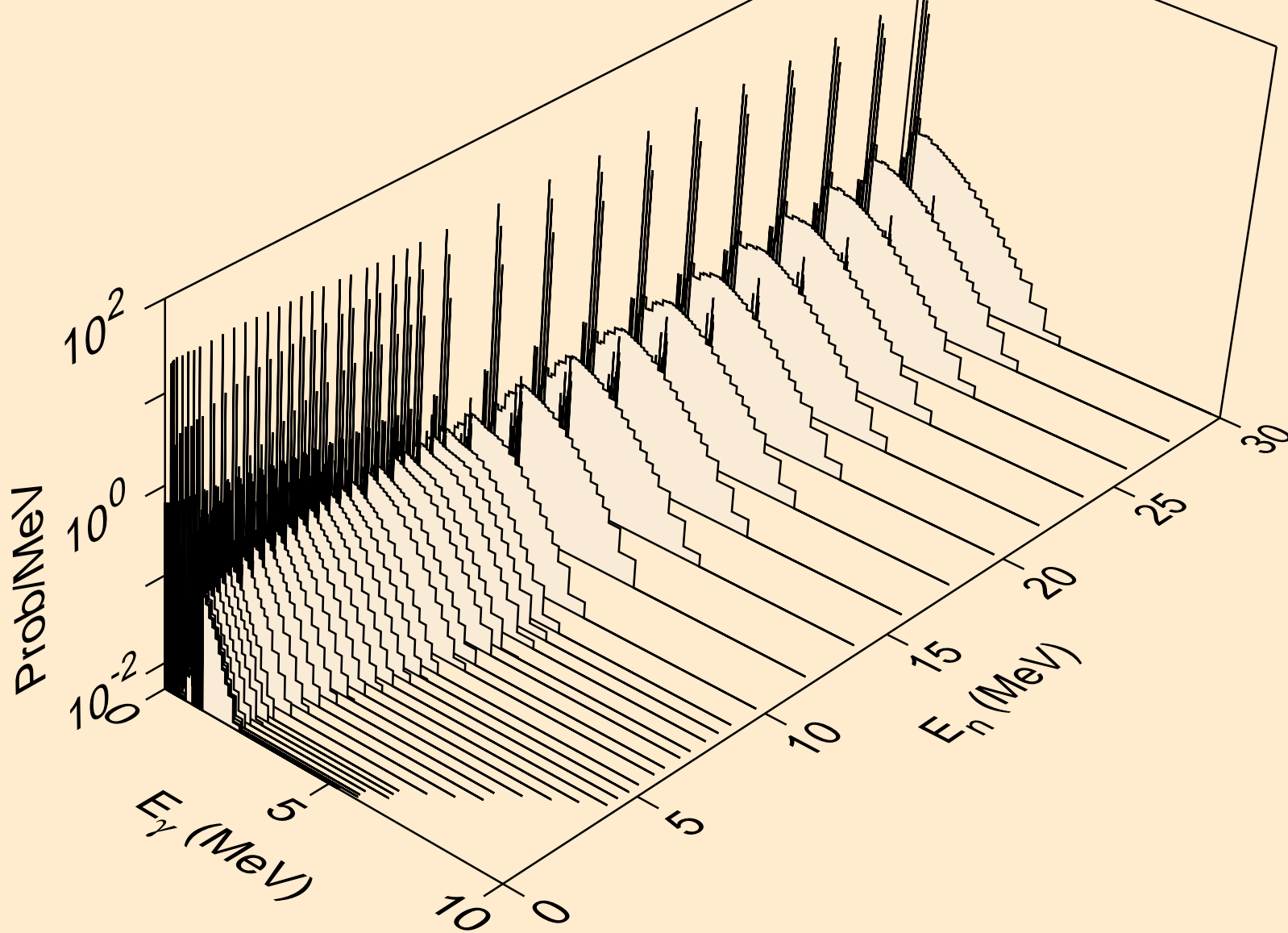
HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,t)



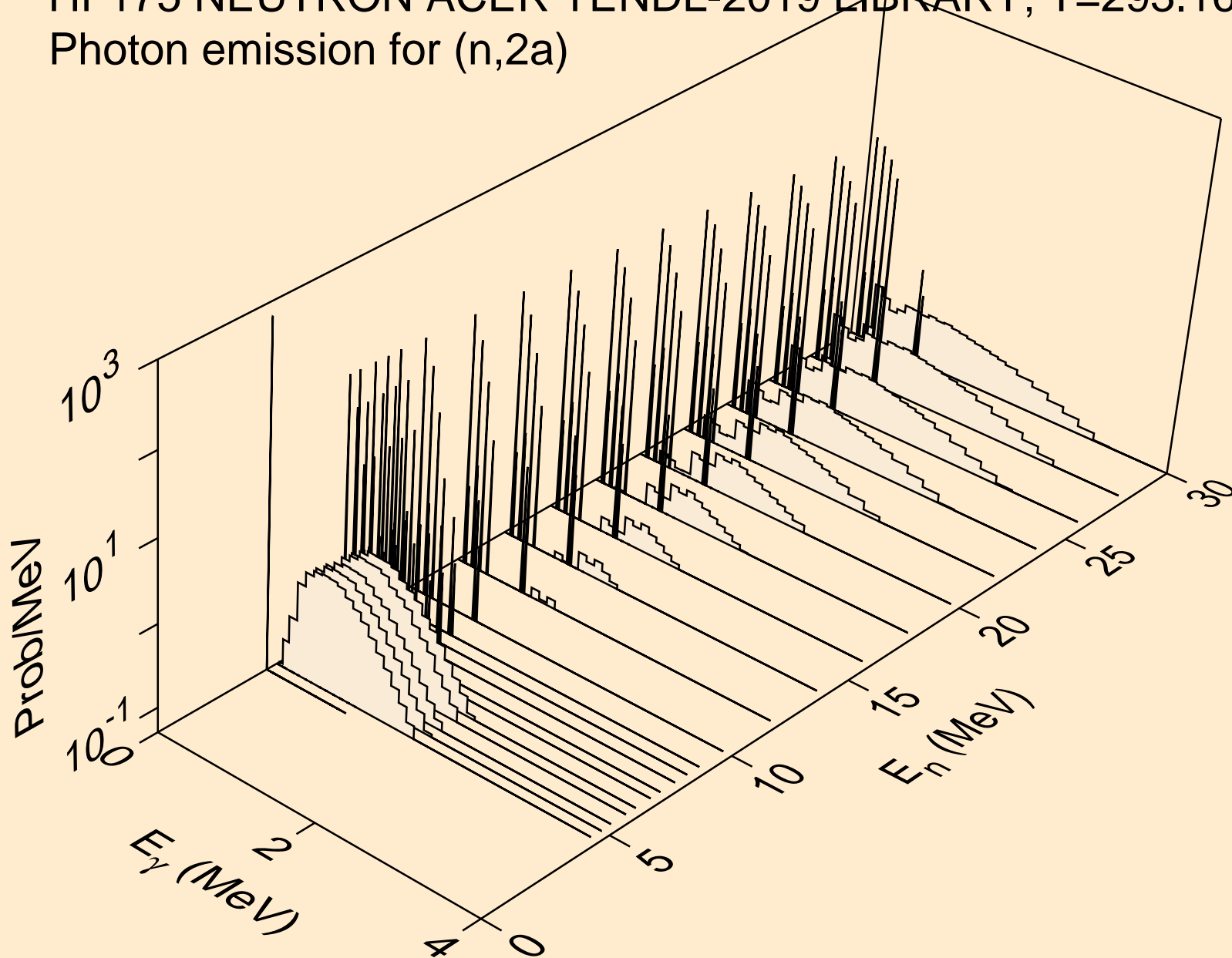
HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,he3)



HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,a)

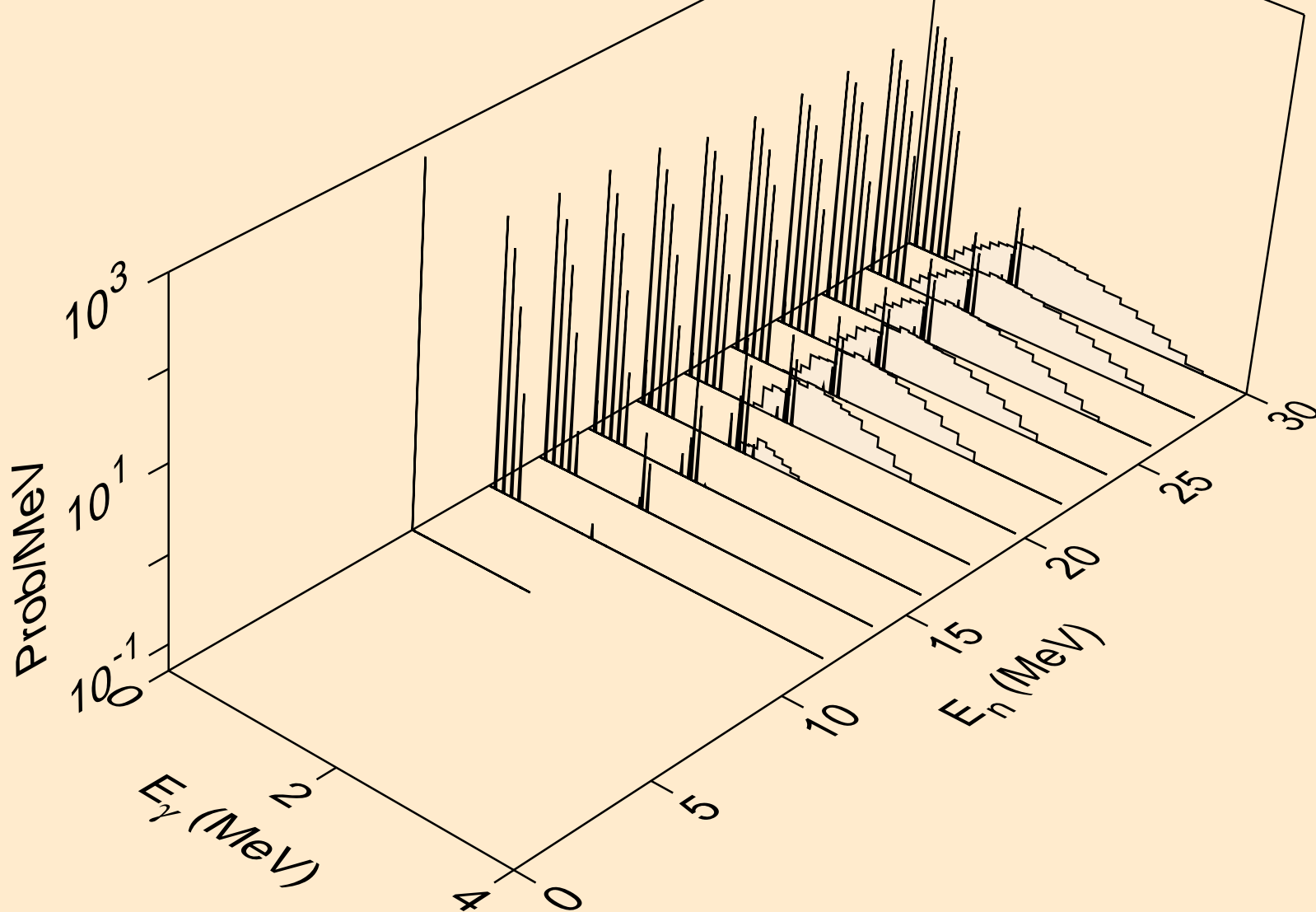


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Photon emission for (n,2a)

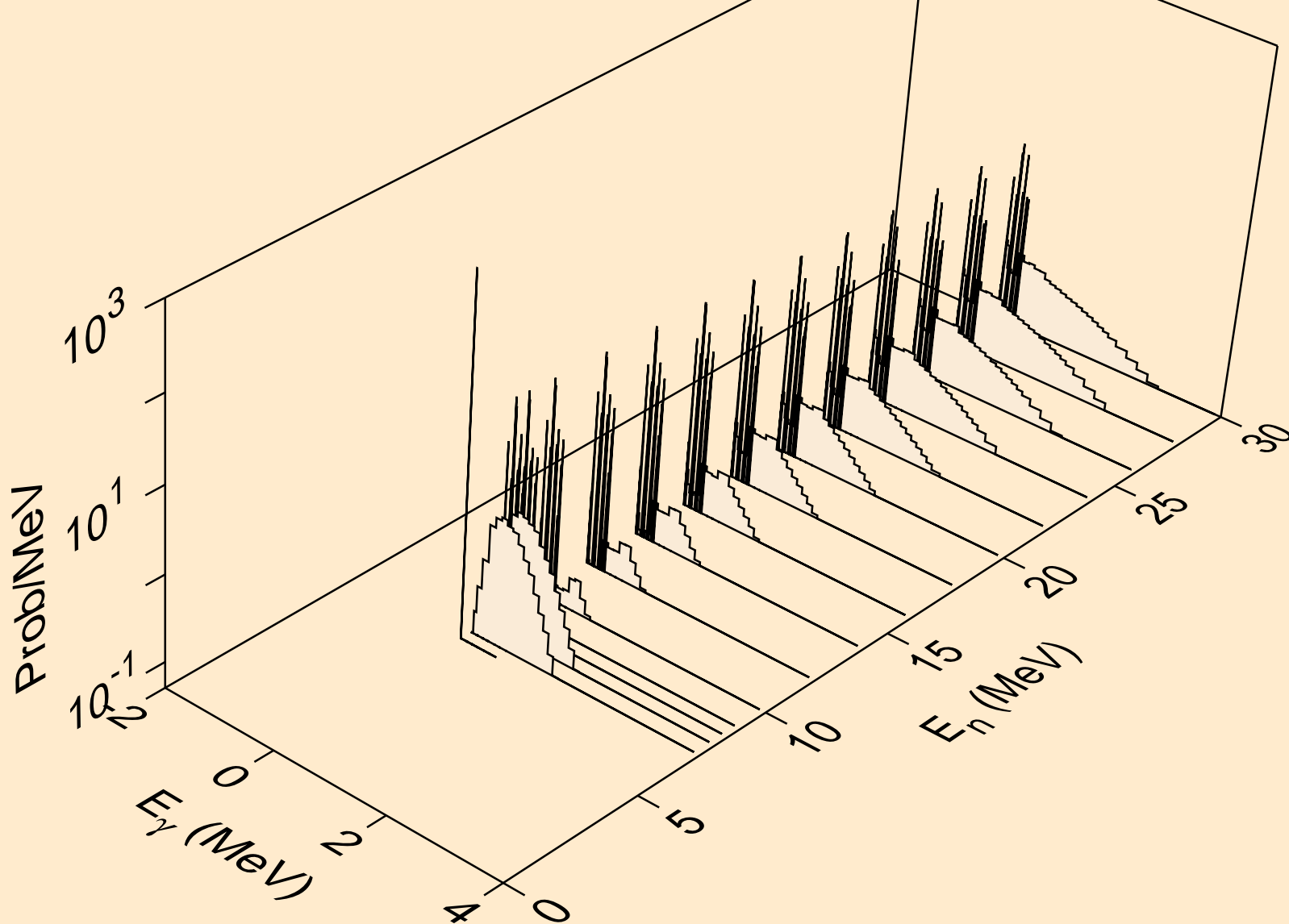




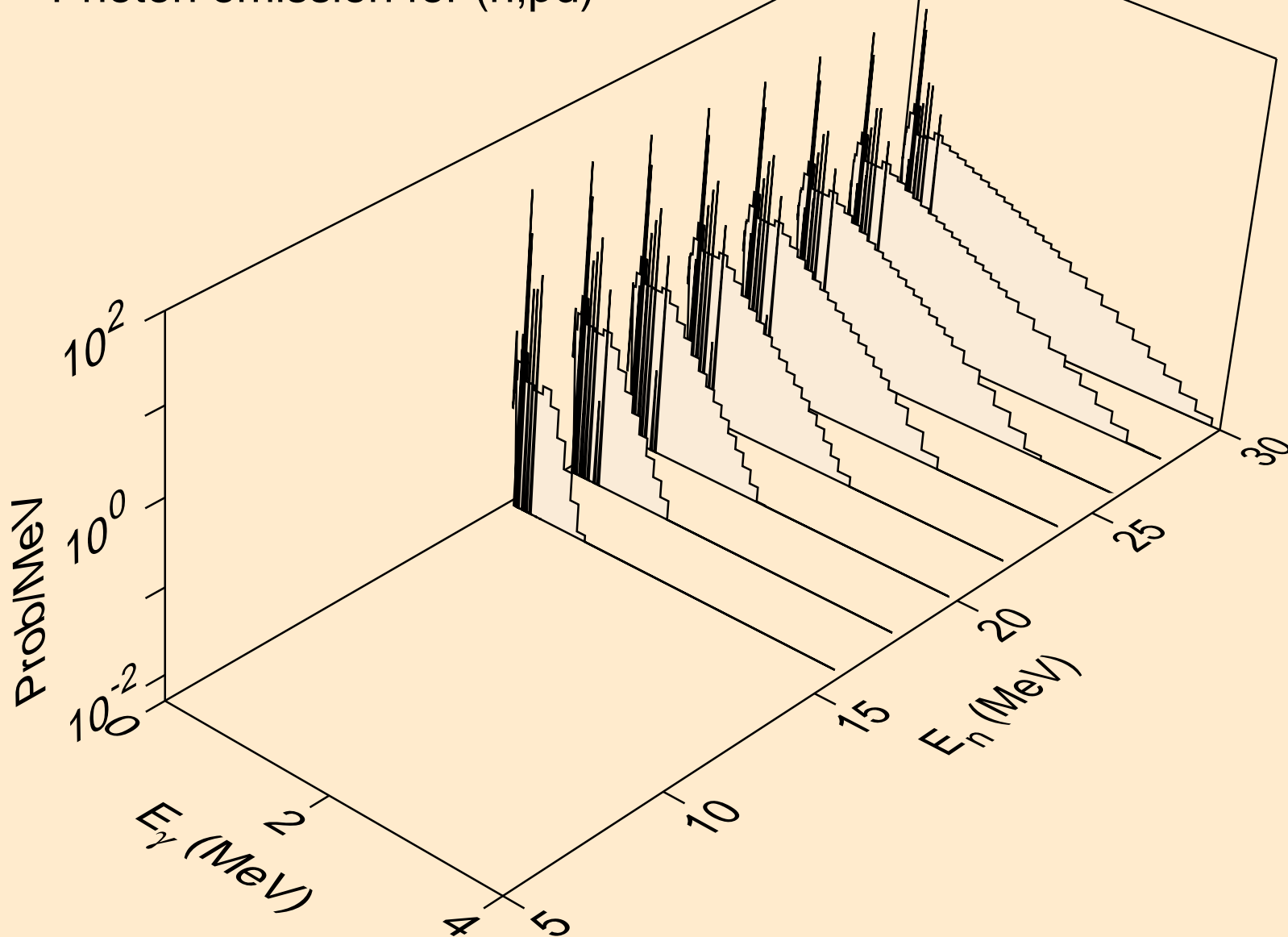
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Photon emission for (n,2p)



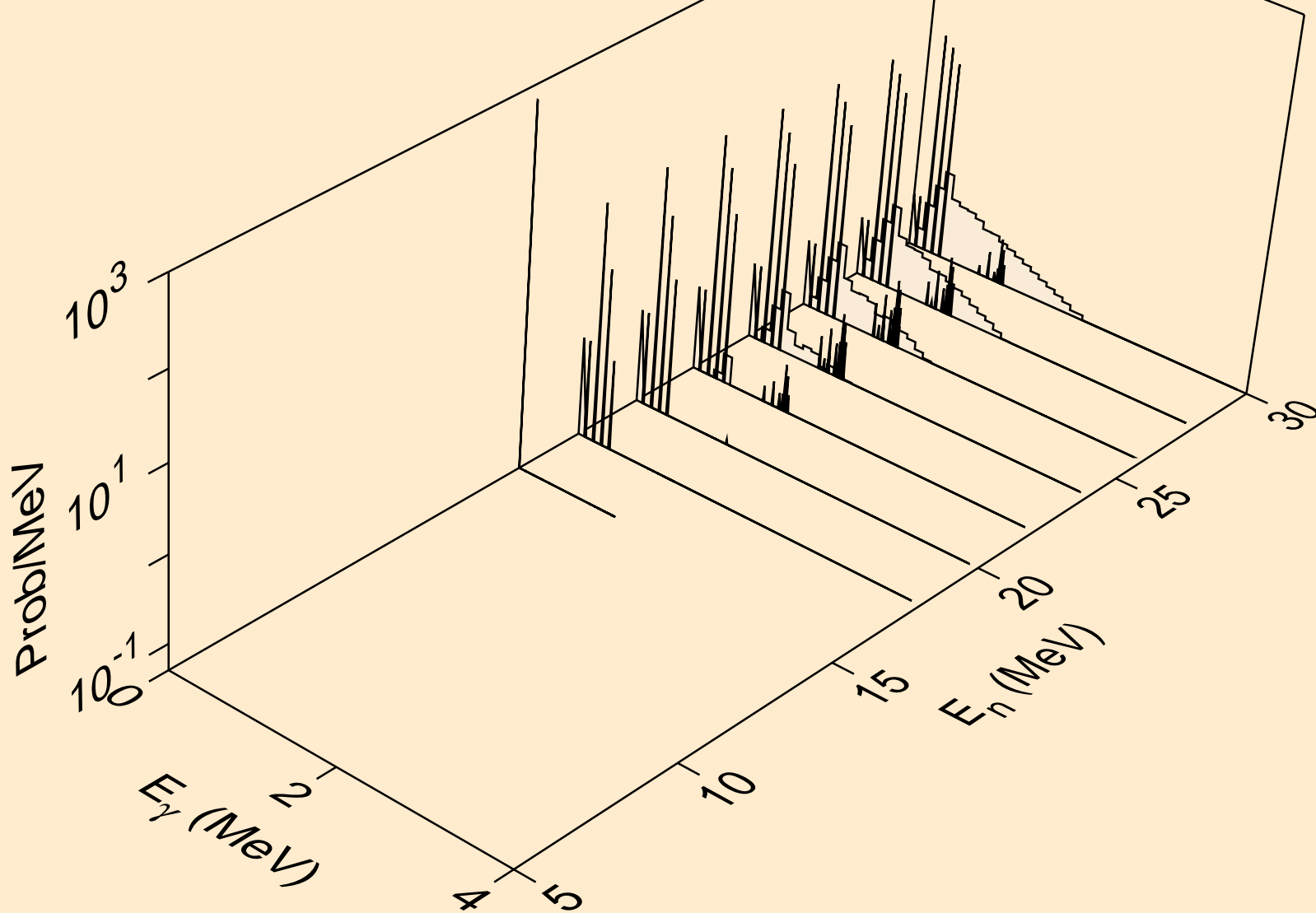
HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,p $\alpha$ )



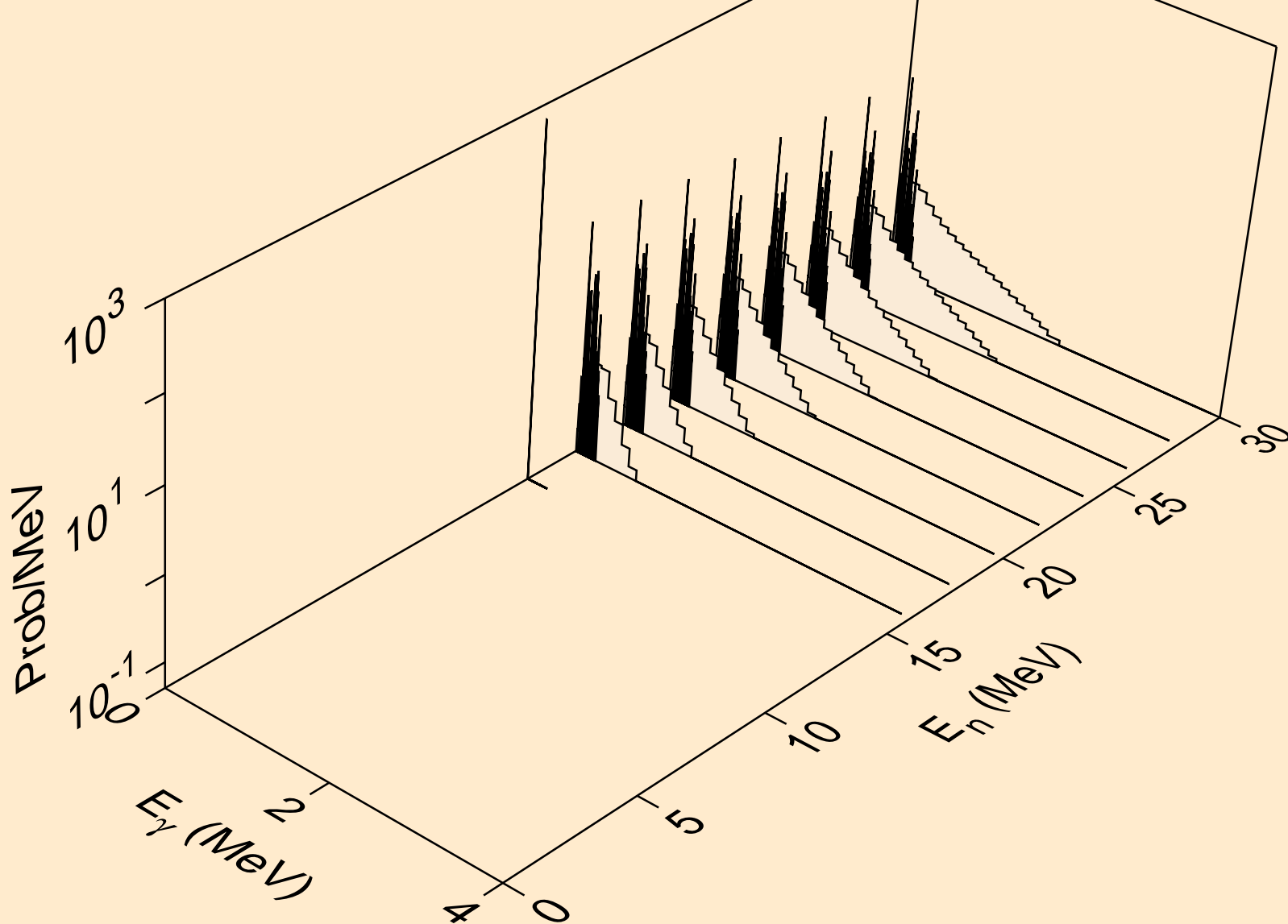
HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,pd)



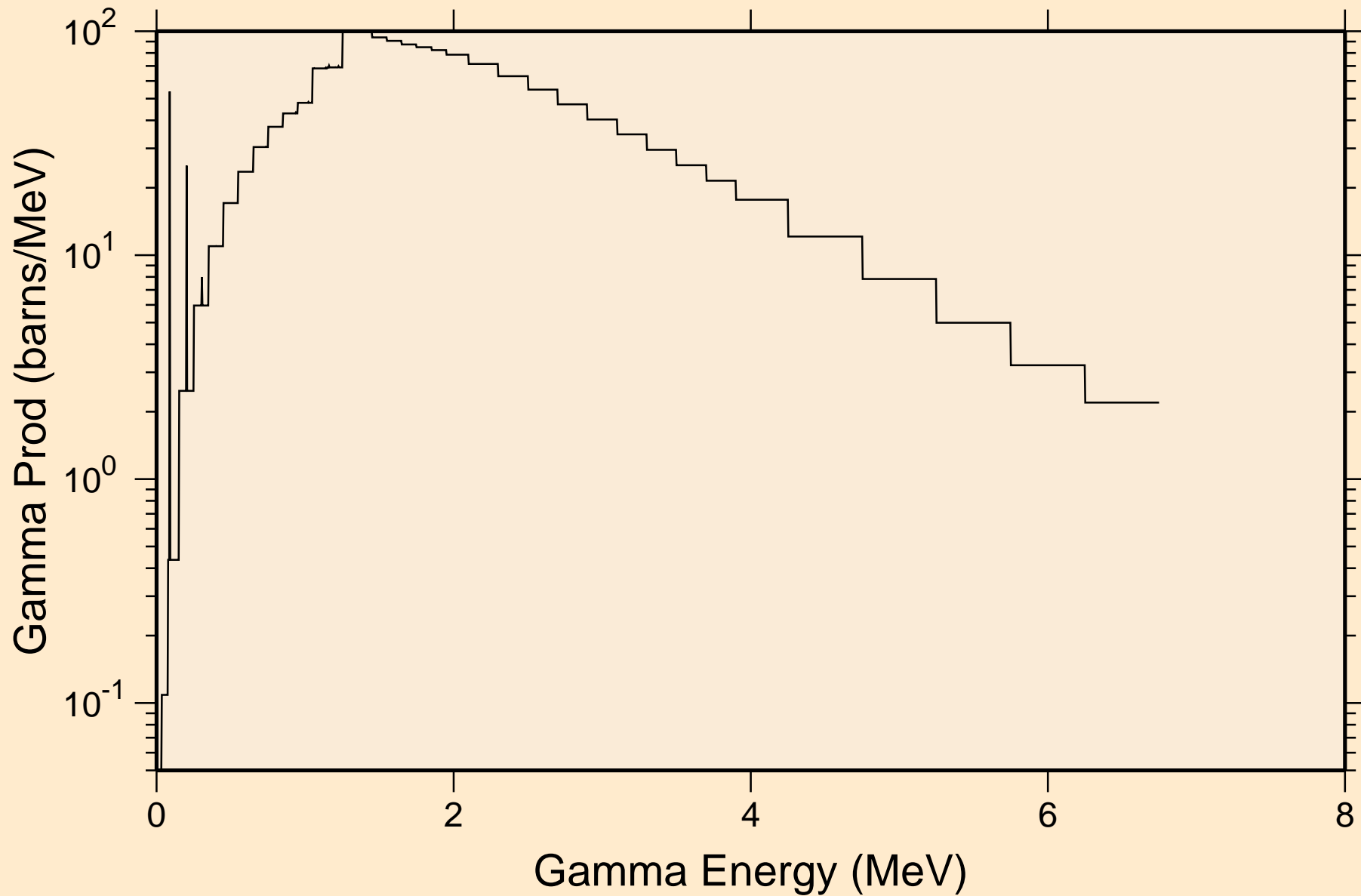
HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,pt)



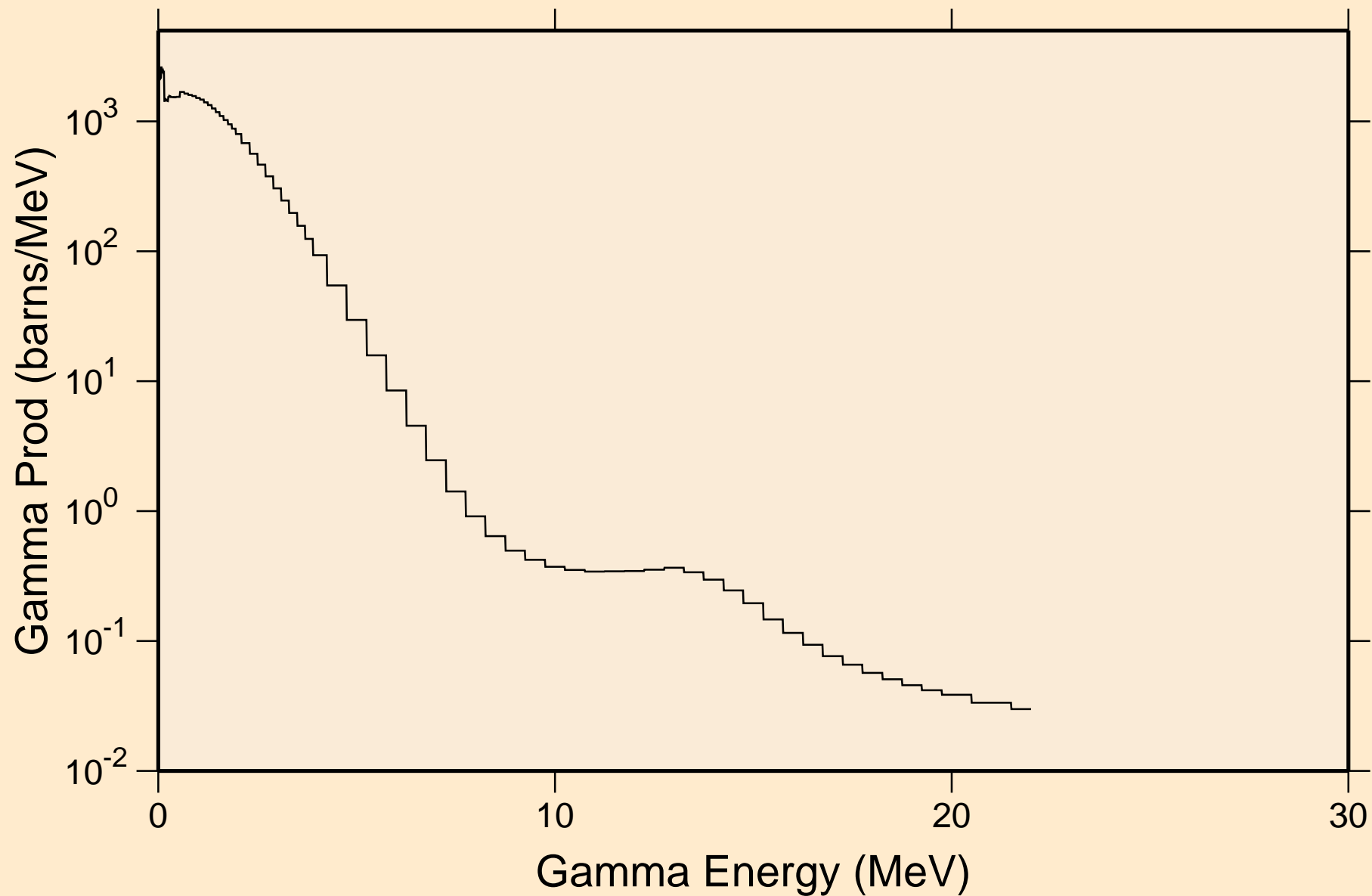
HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,da)



HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
thermal capture photon spectrum

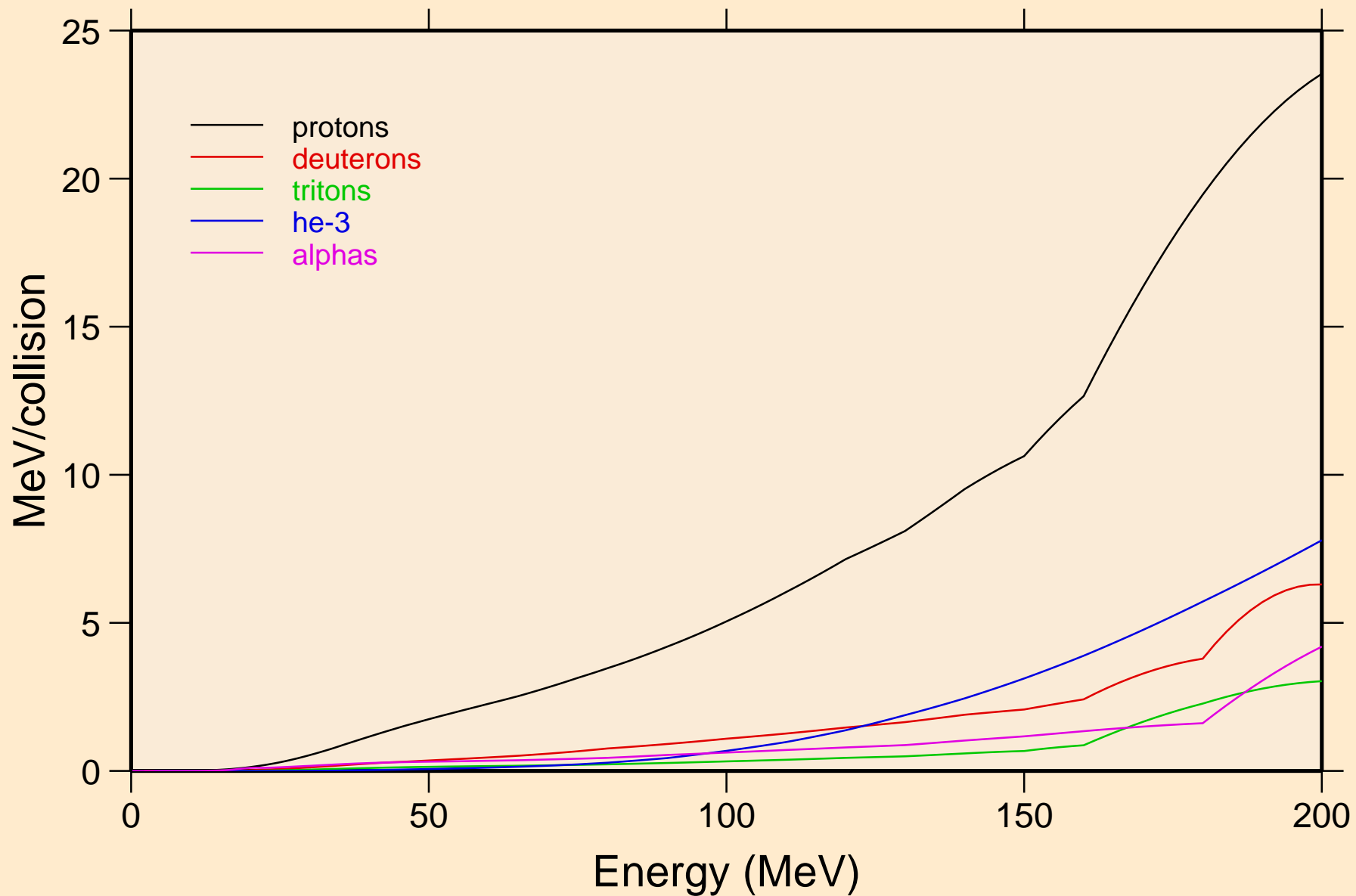


HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
14 MeV photon spectrum



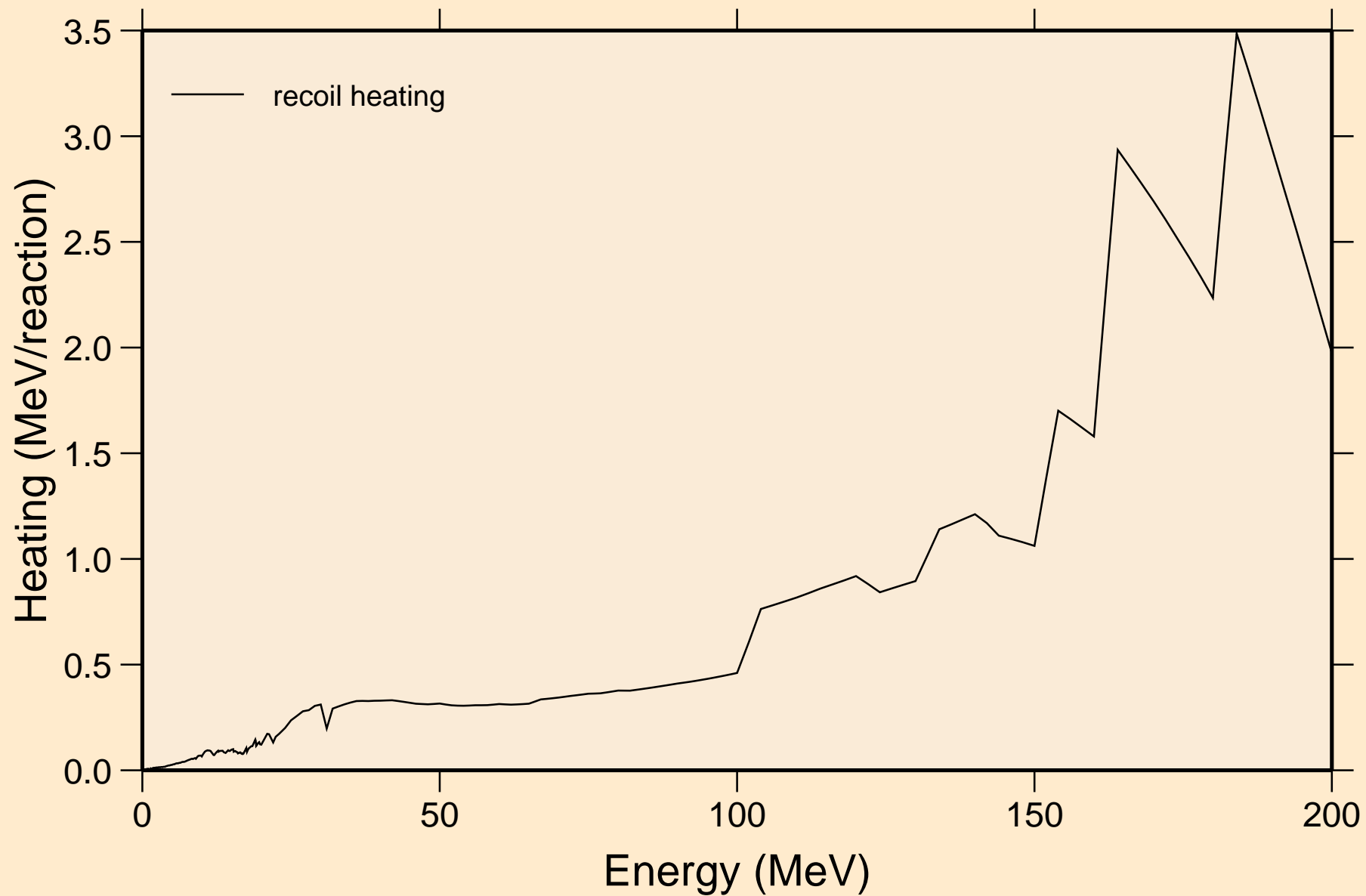
# HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Particle heating contributions



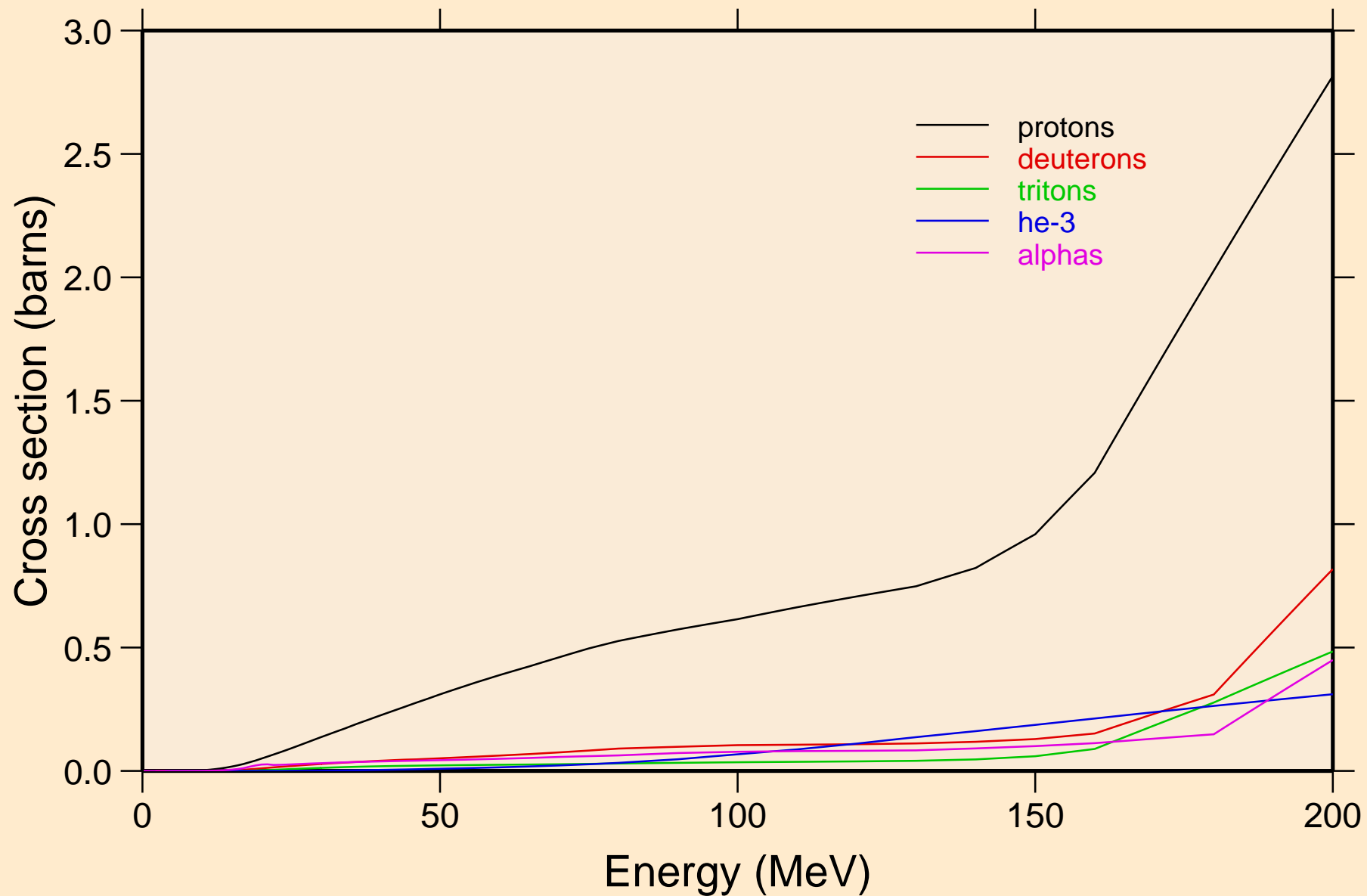


HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Recoil Heating

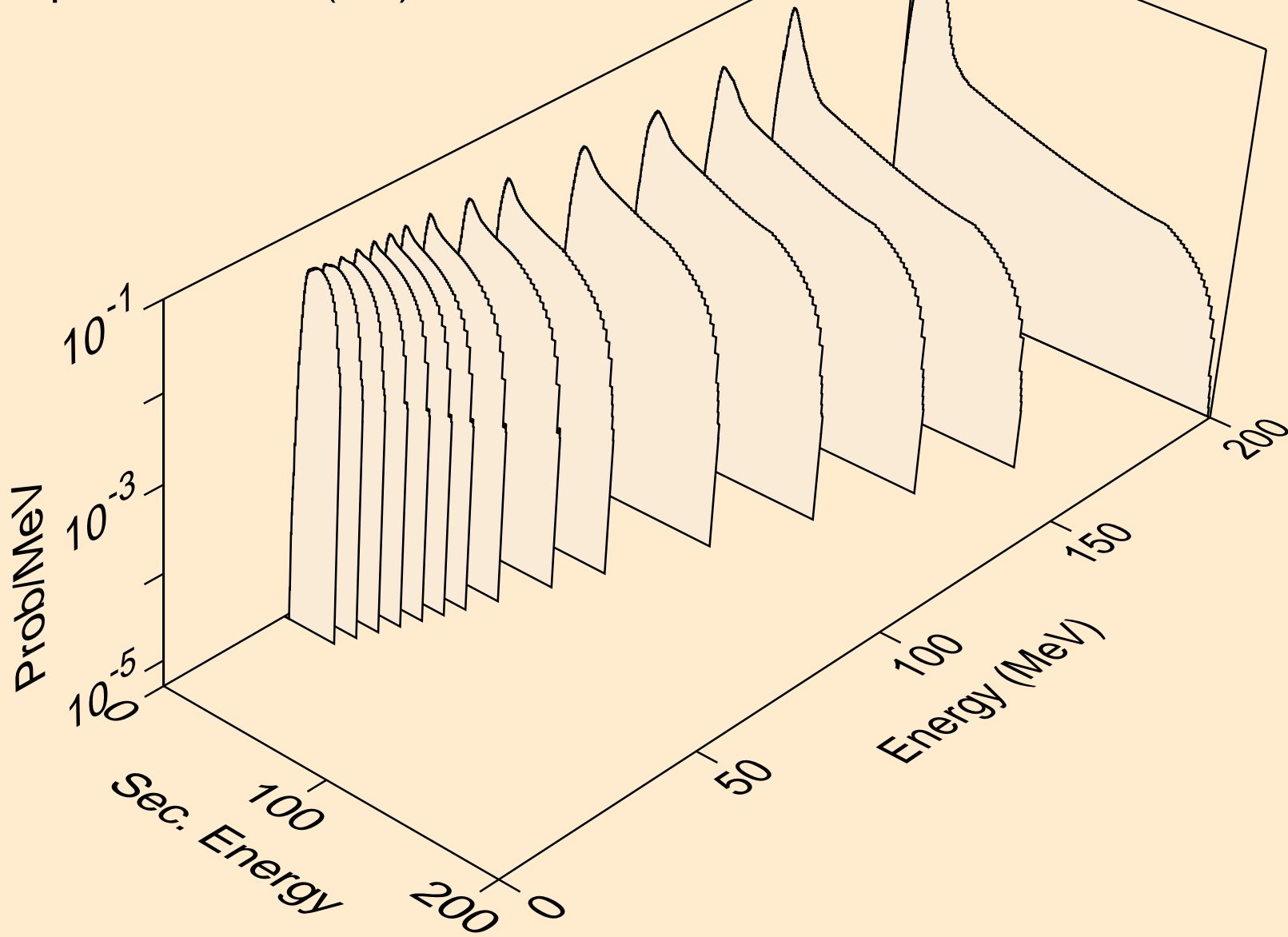


# HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

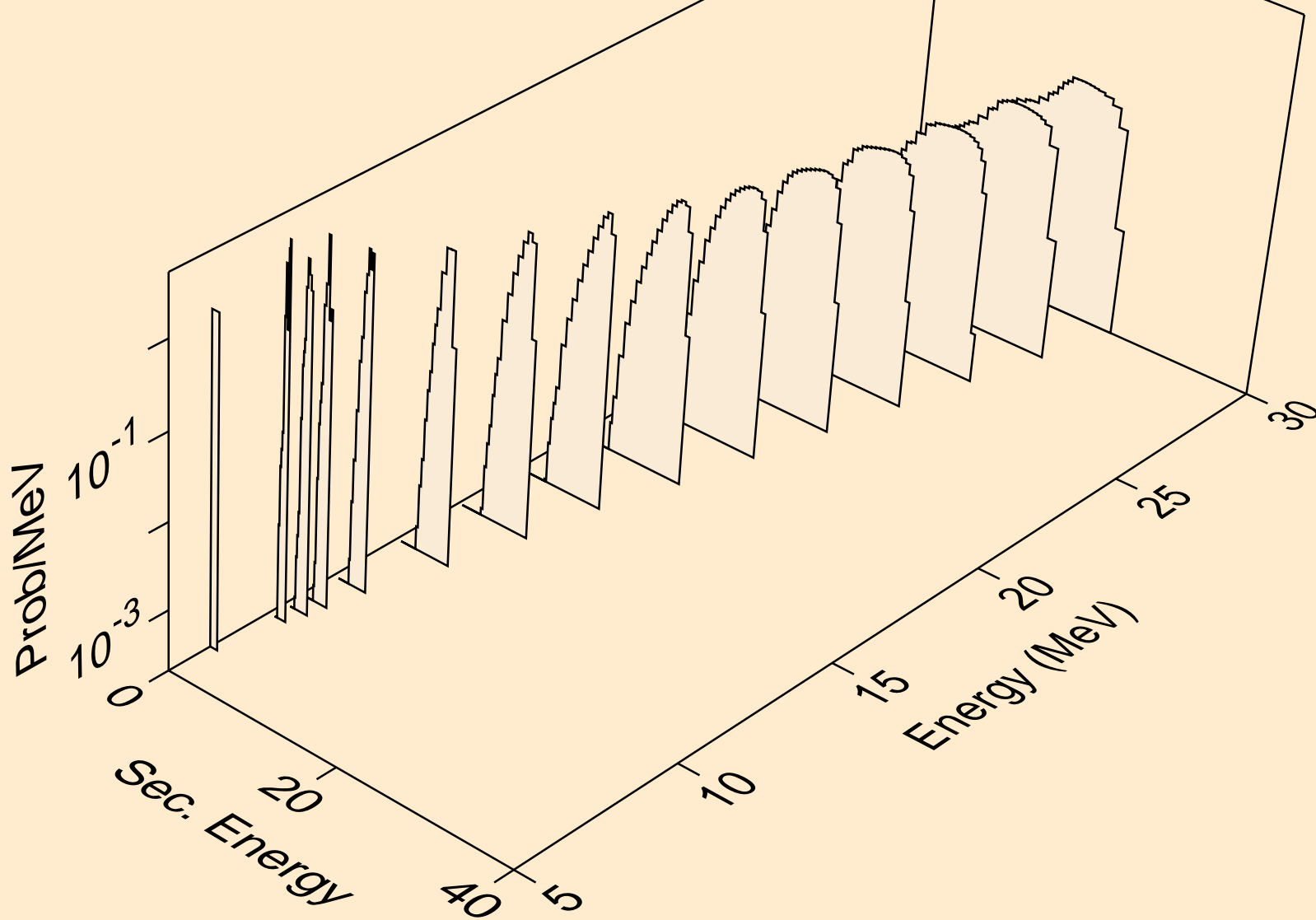
## Particle production cross sections



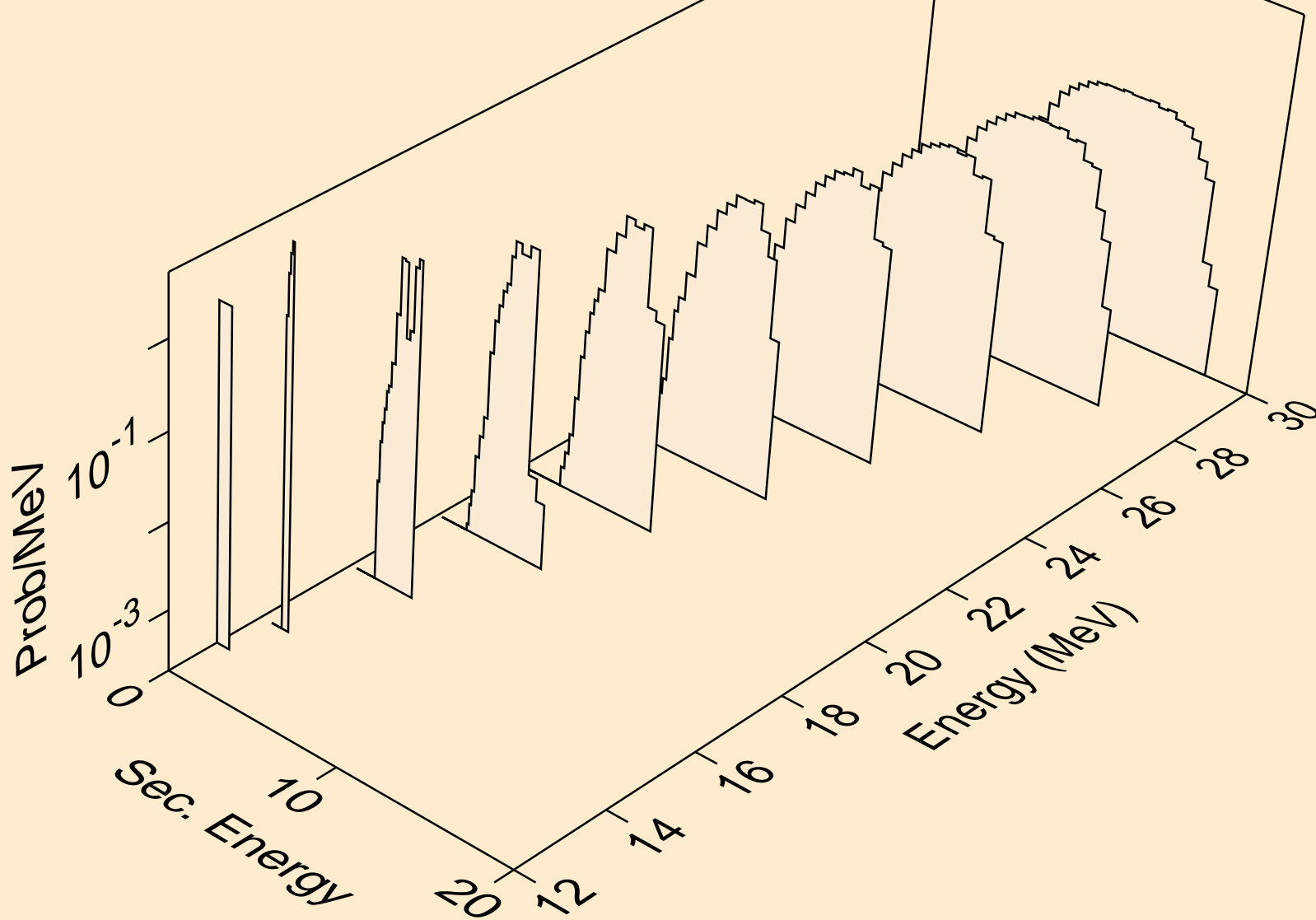
HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,x)



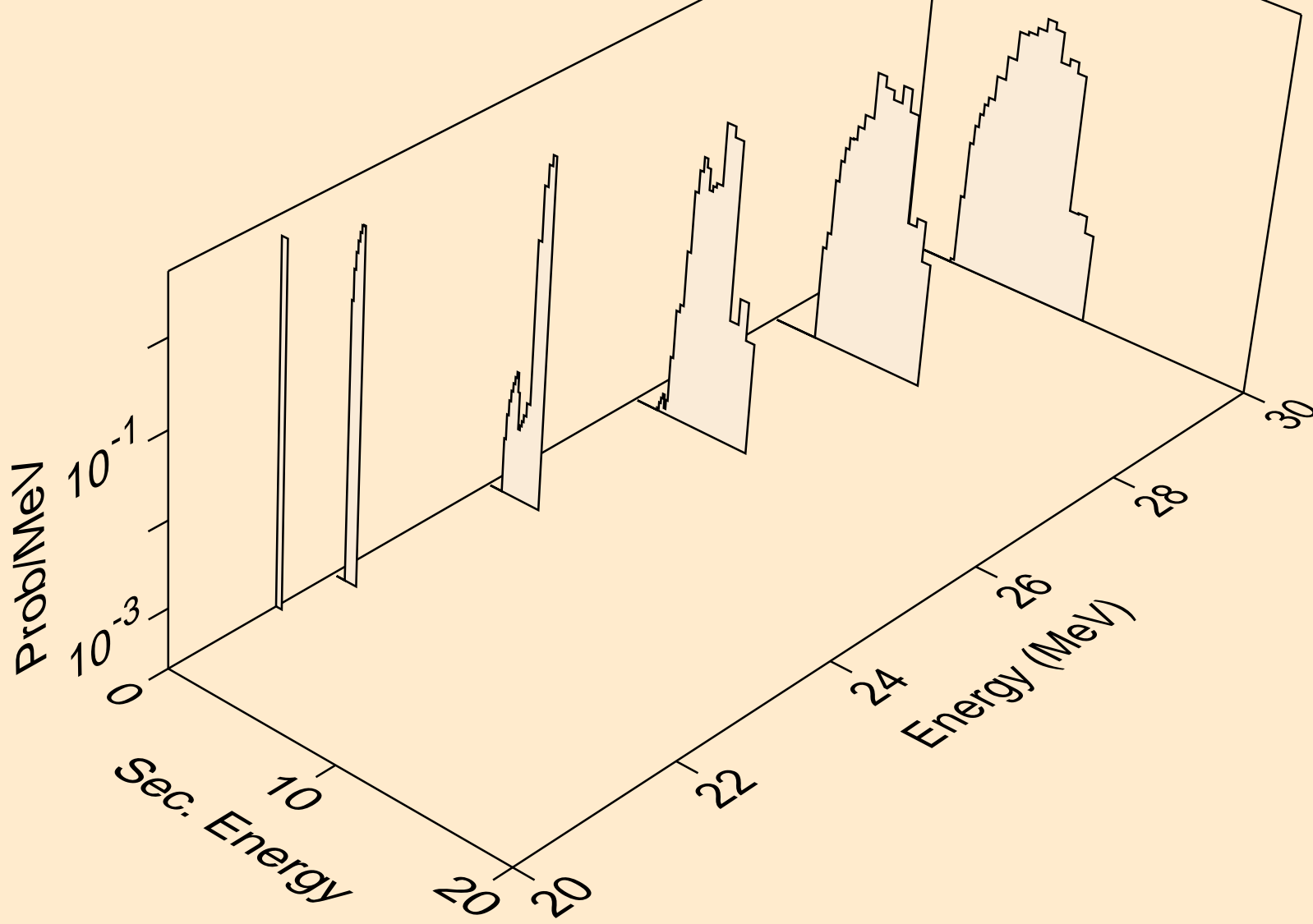
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protons from (n,n\*)p



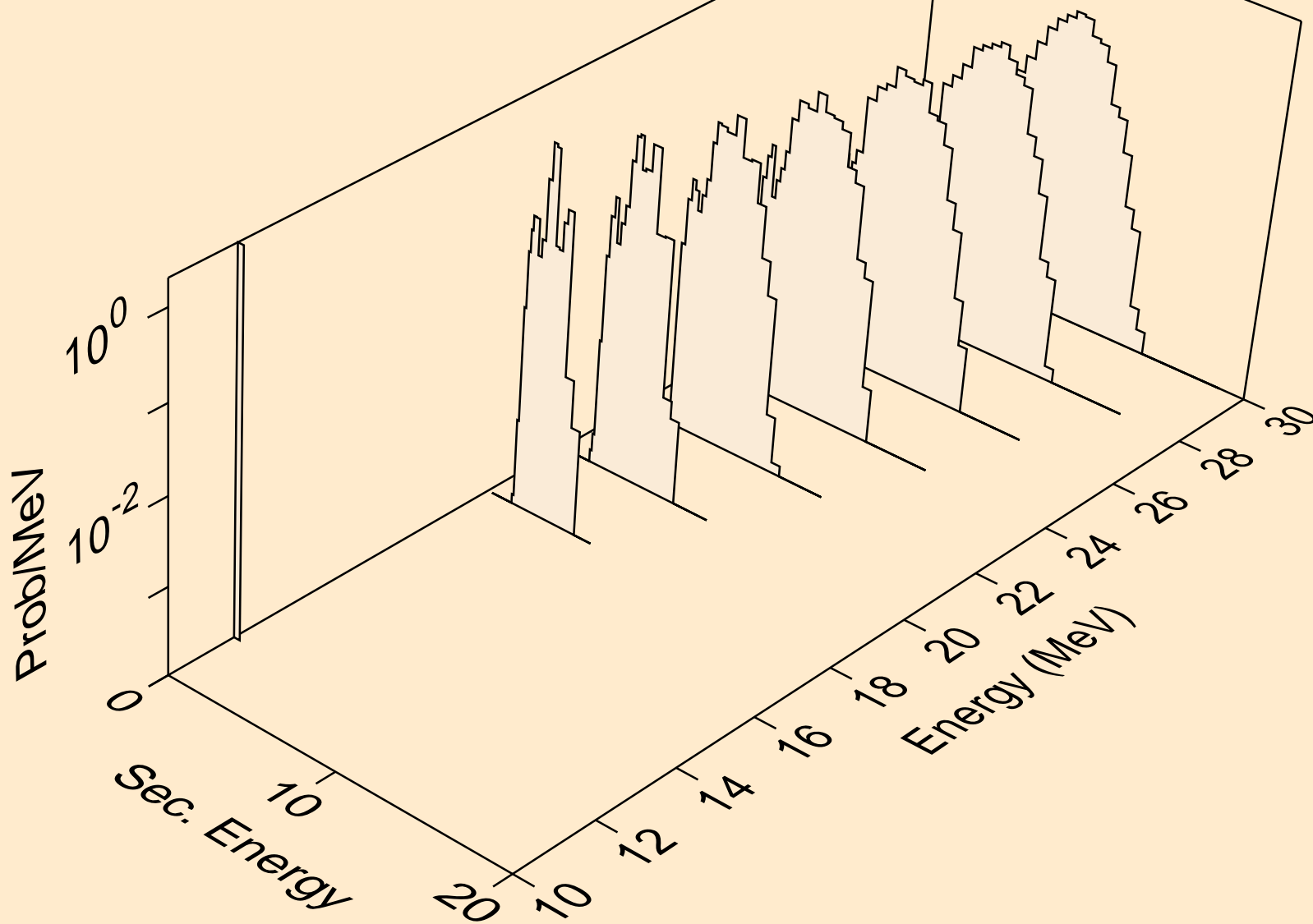
HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,2np)



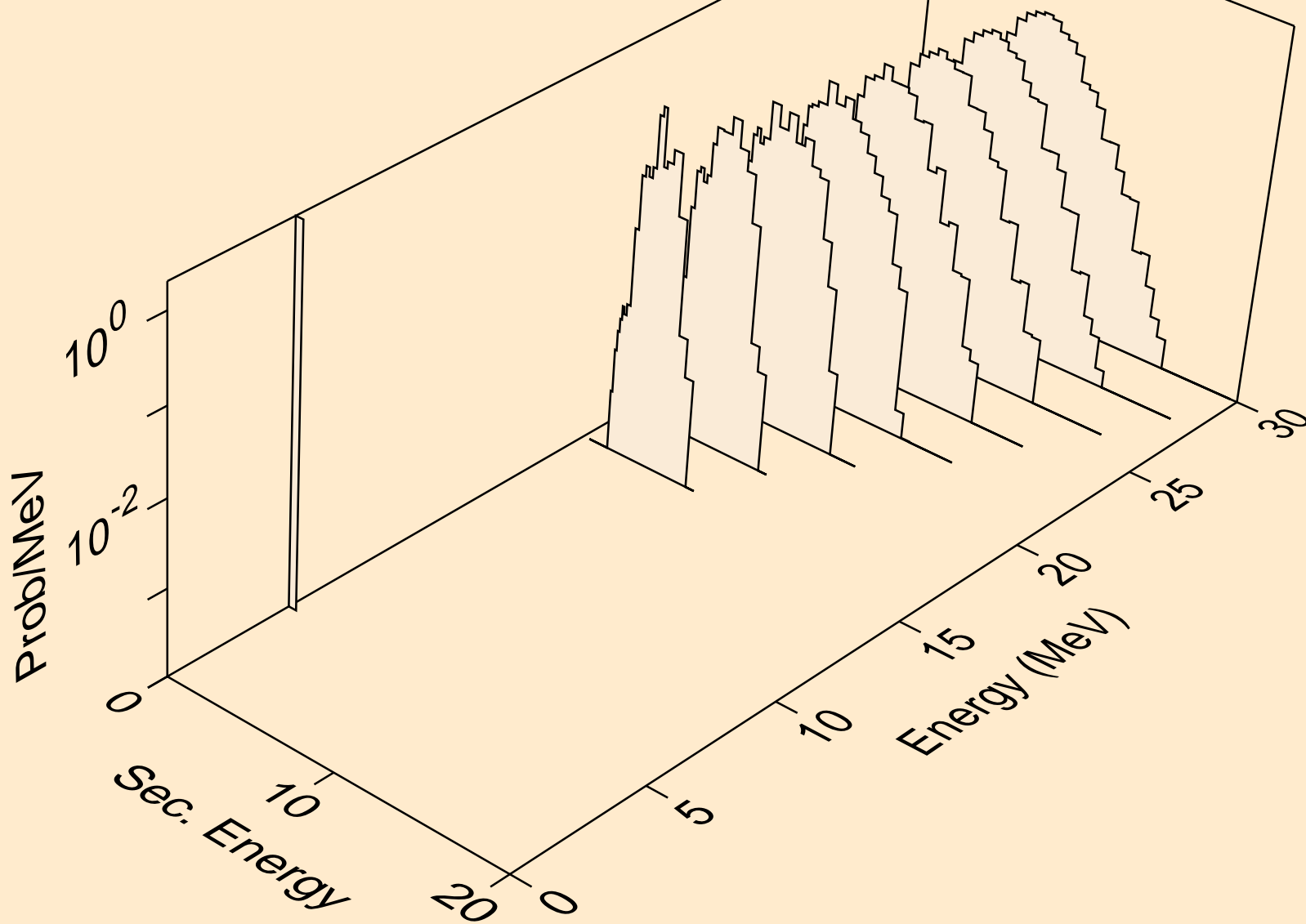
HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,3np)



HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,2np)

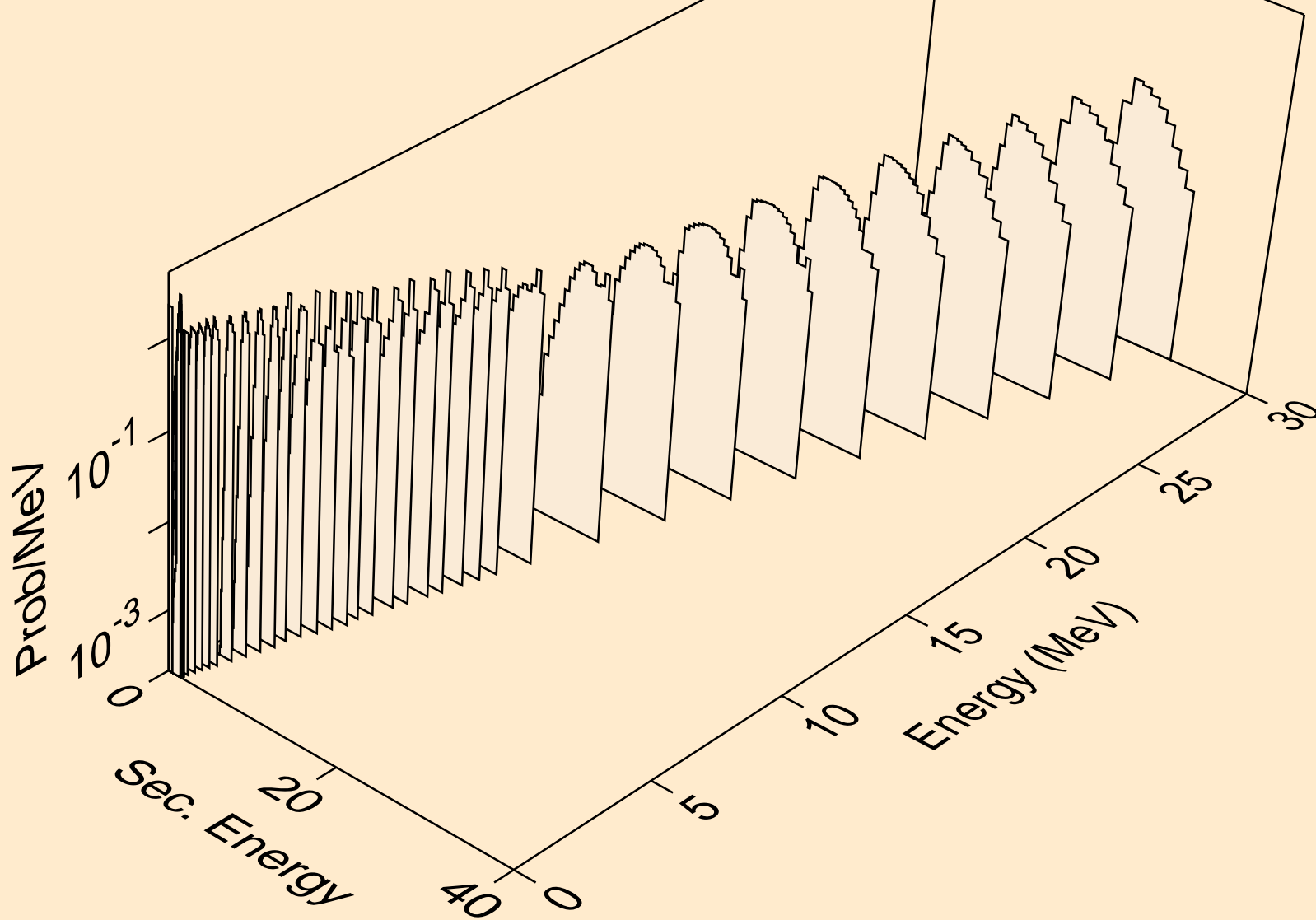


HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,npa)

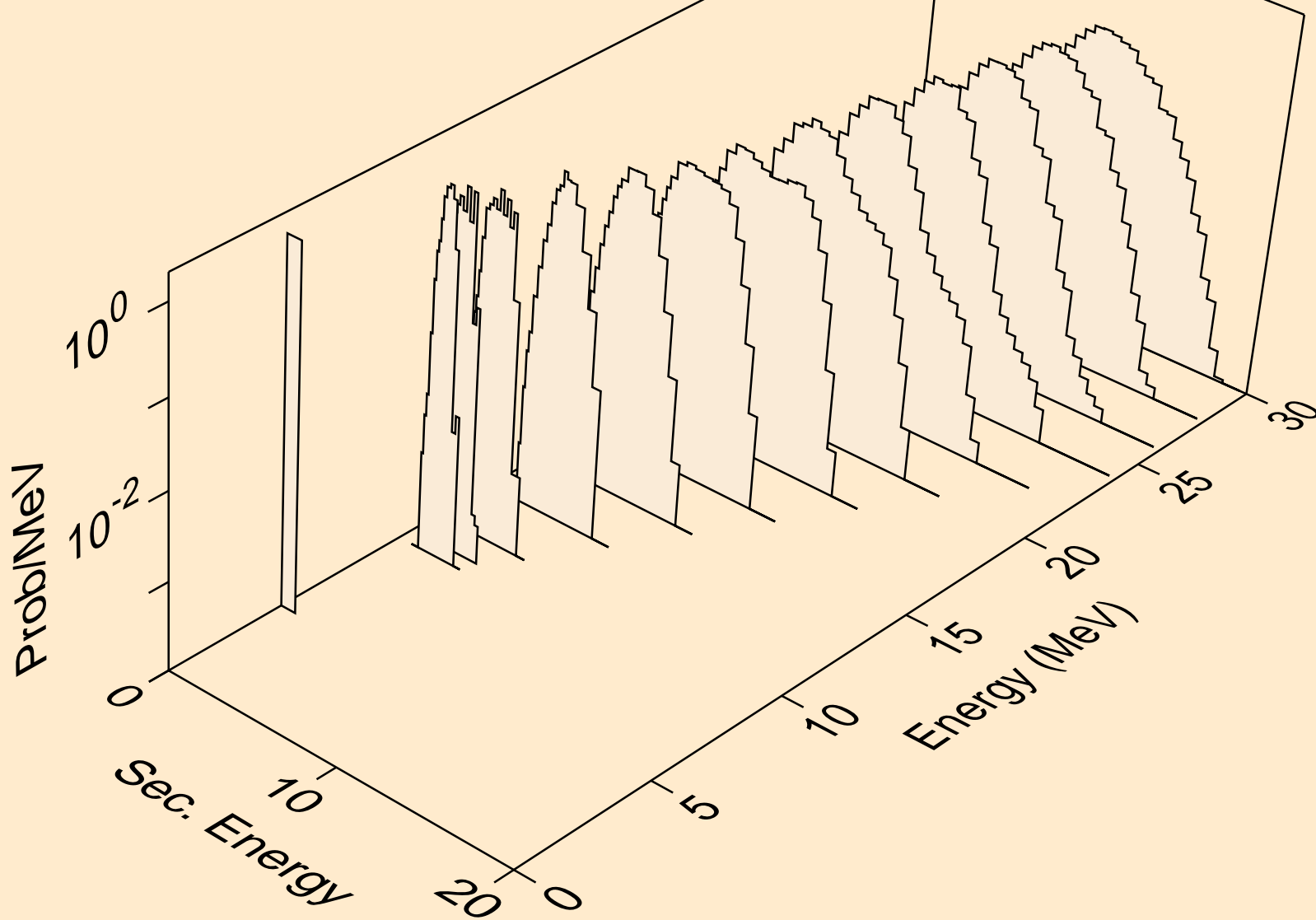




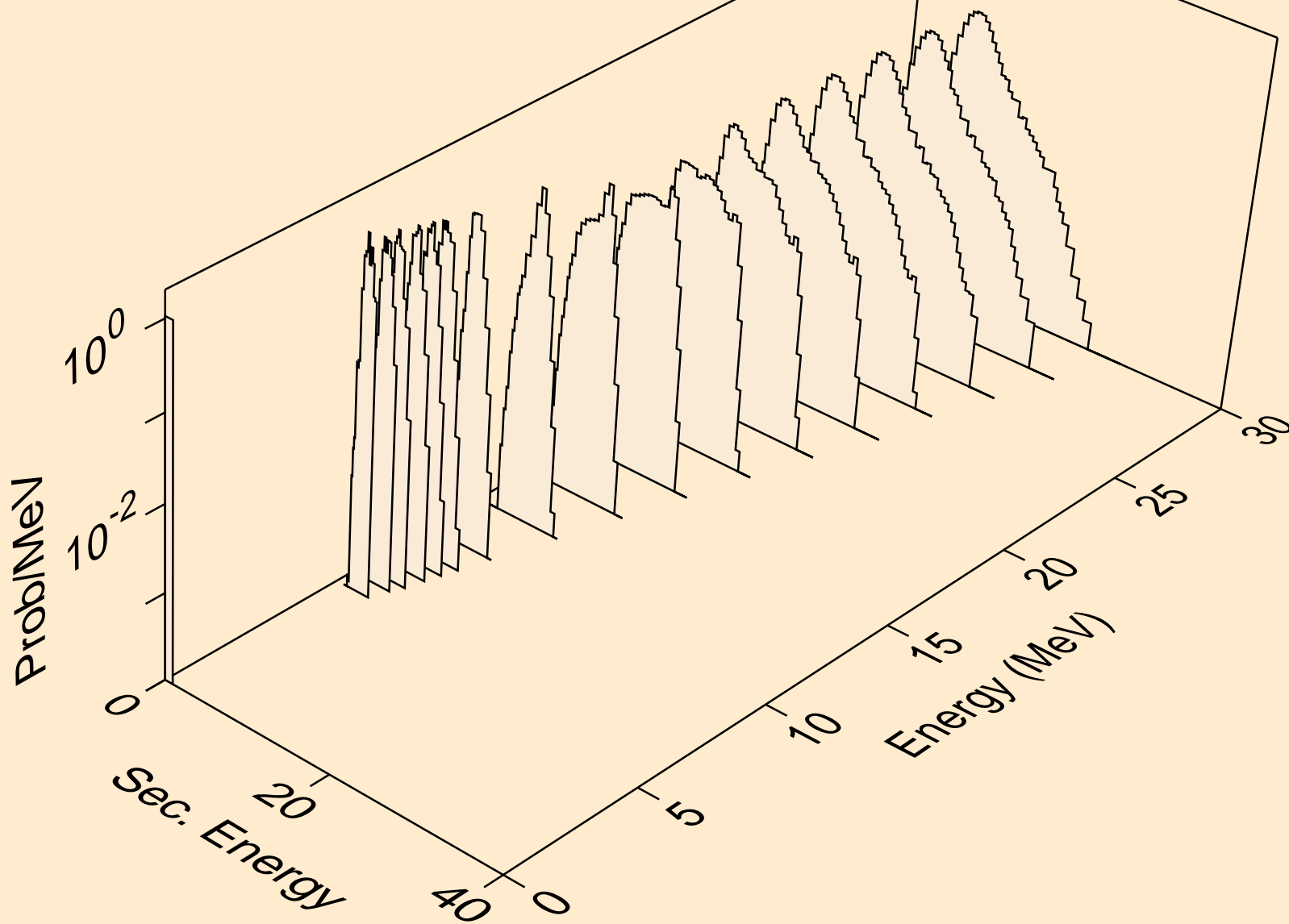
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protons from (n,p)



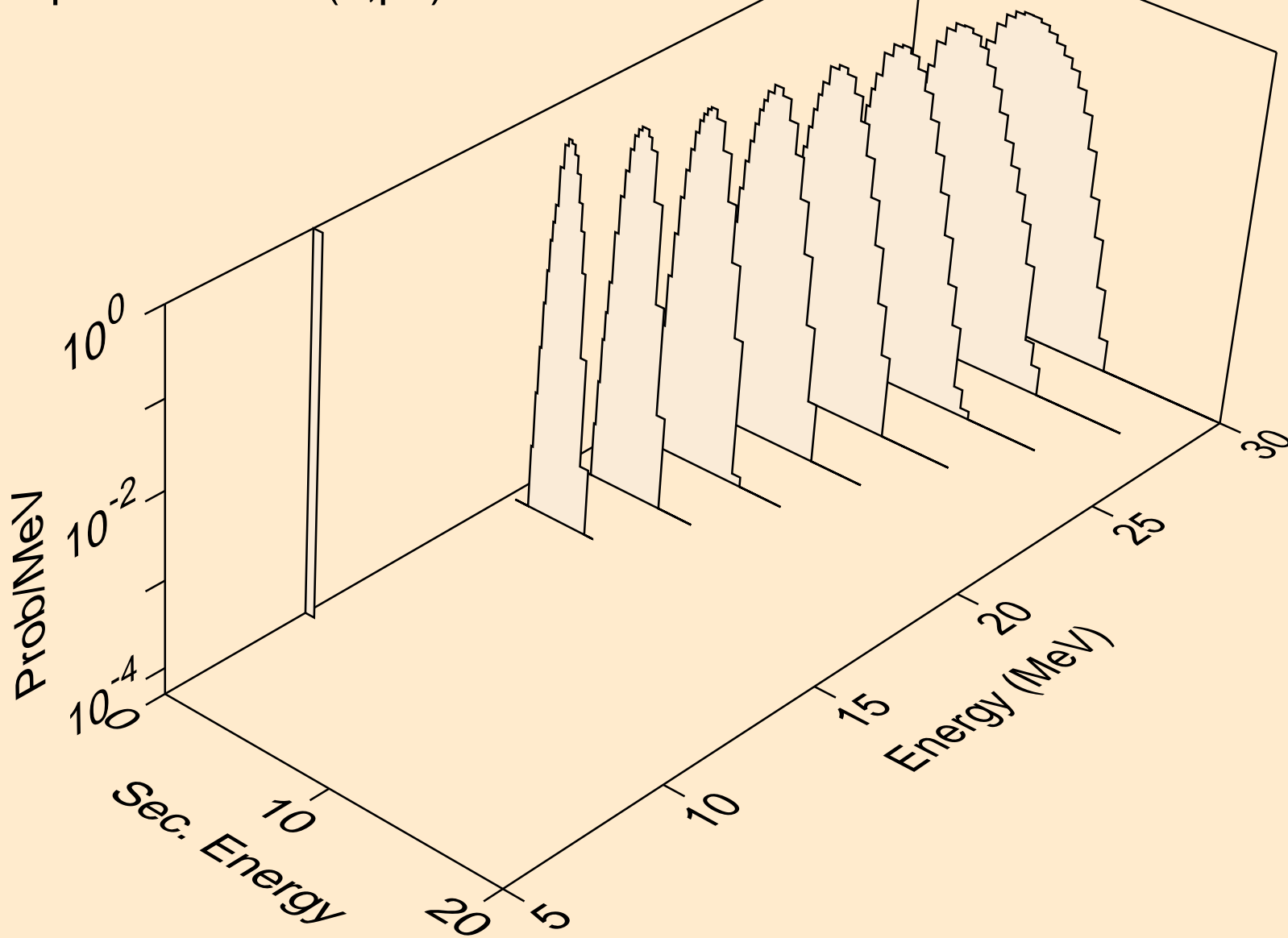
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protons from (n,2p)



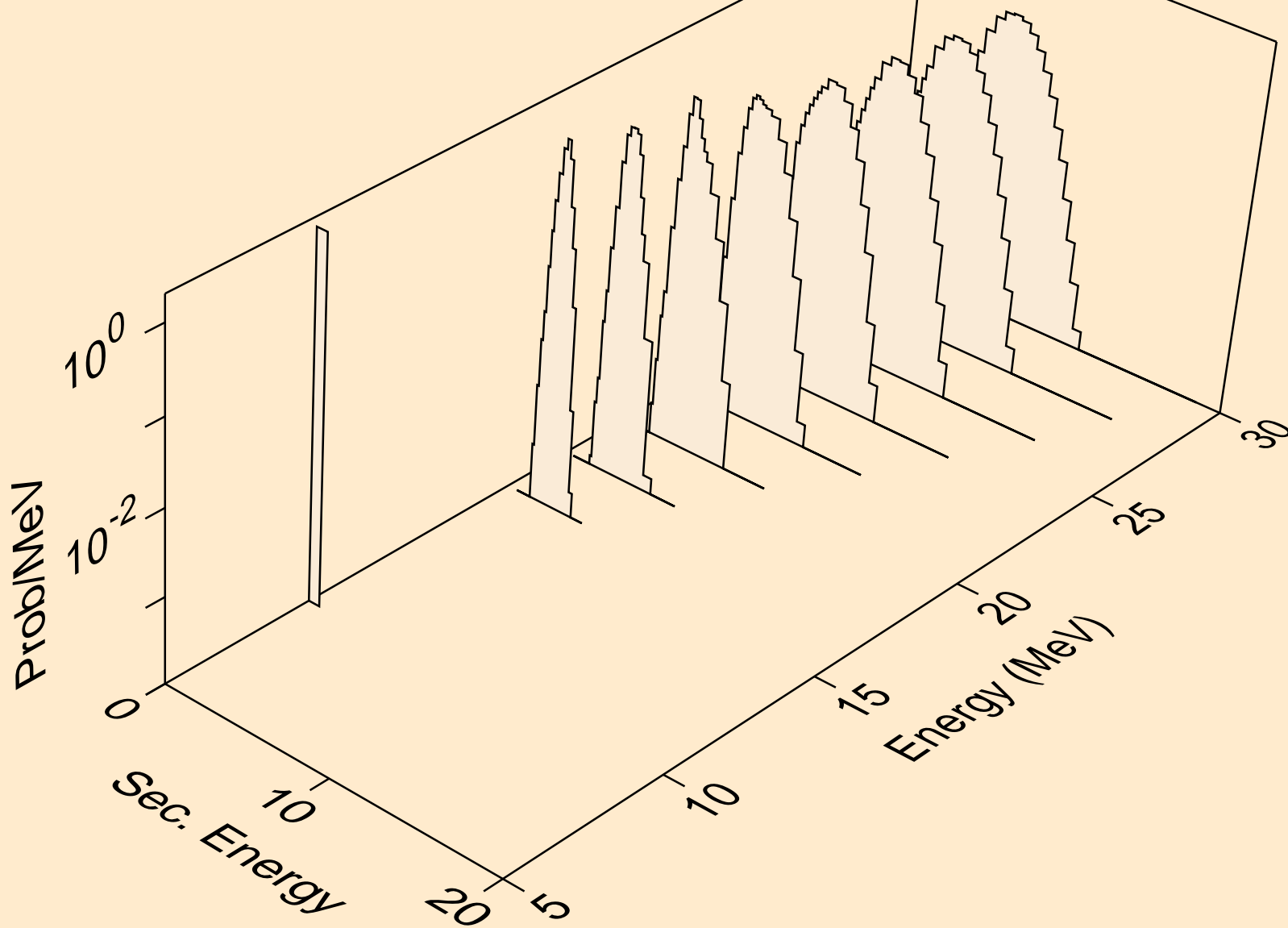
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protons from (n,p)



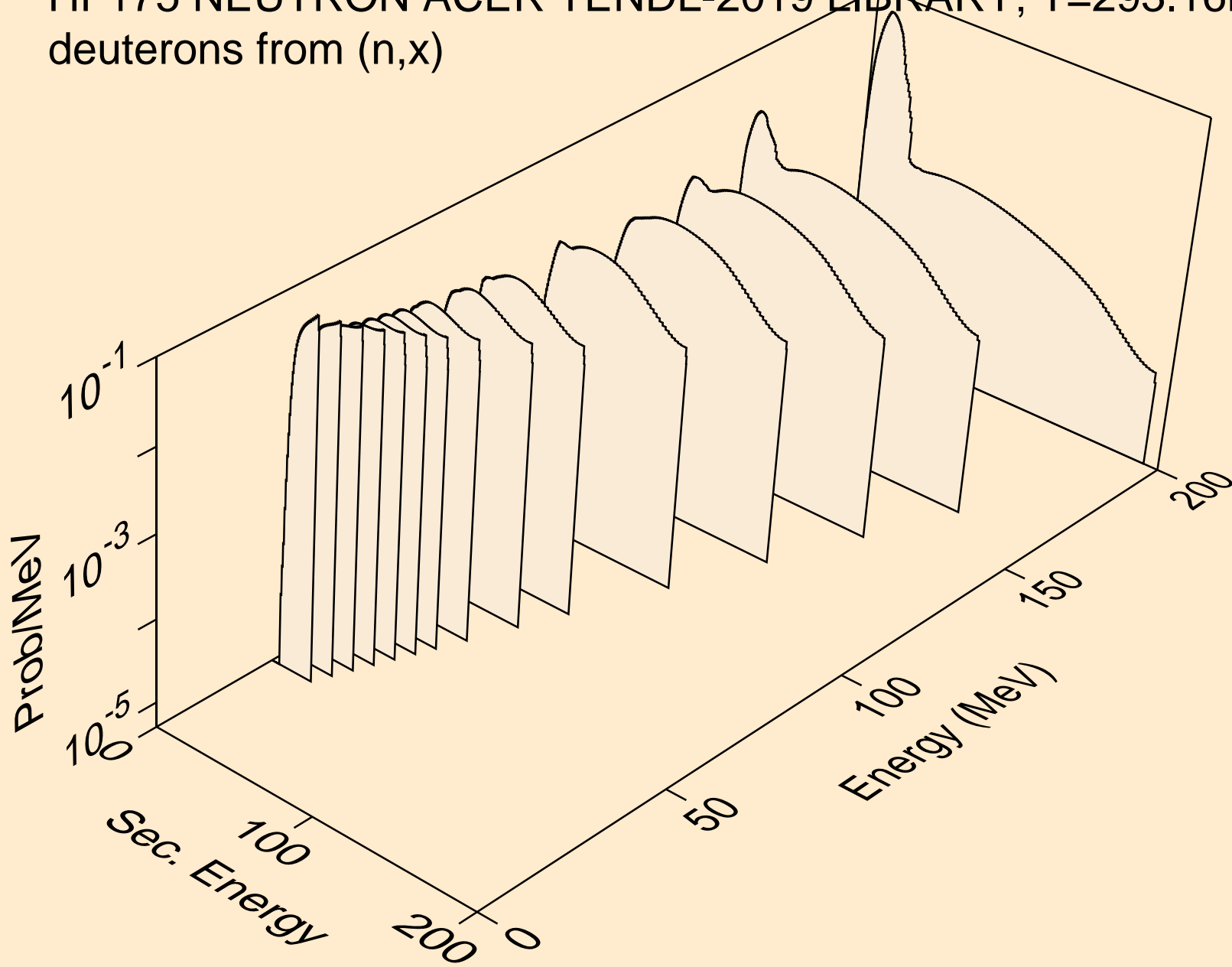
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protons from (n,pd)



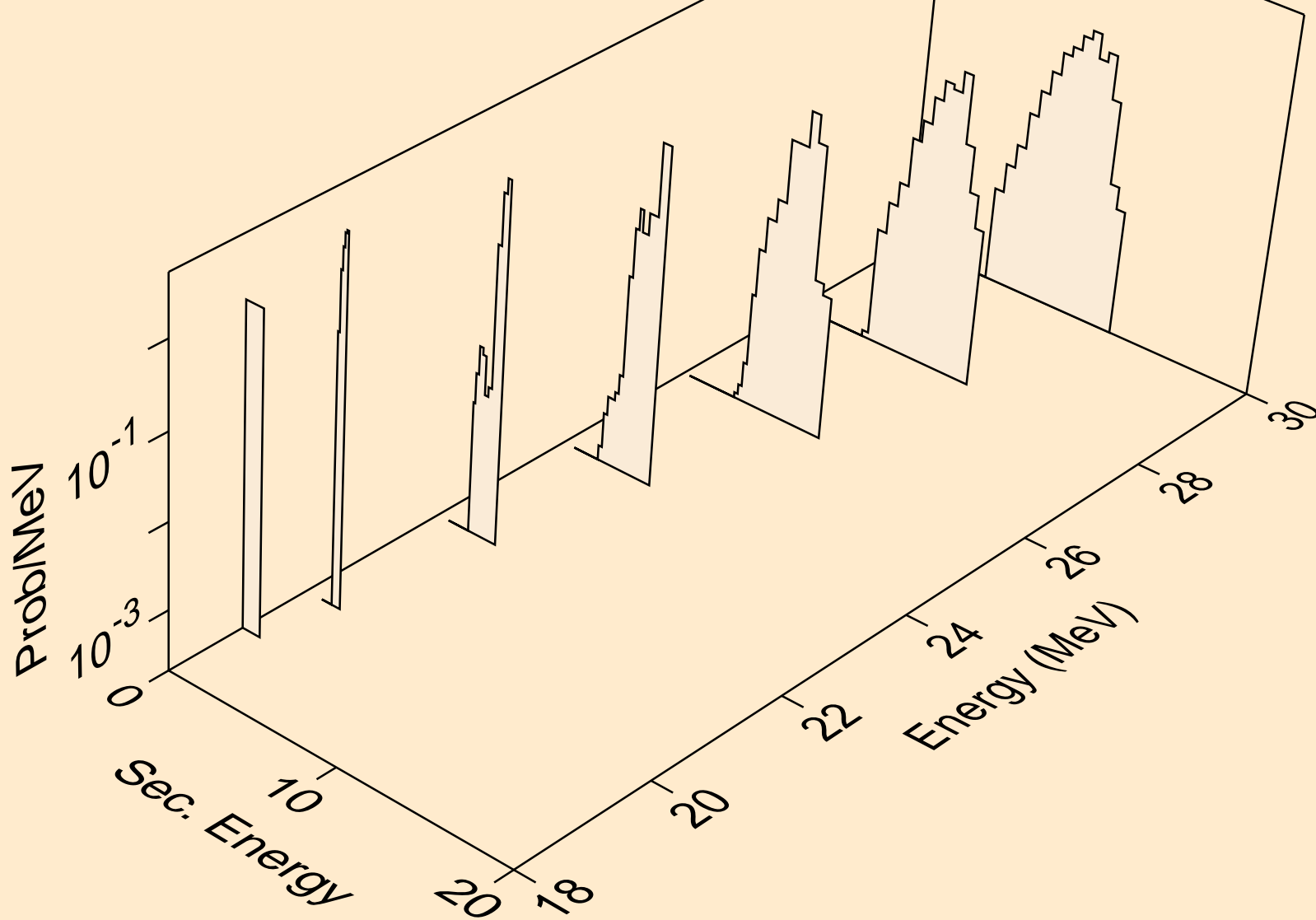
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protons from (n,pt)



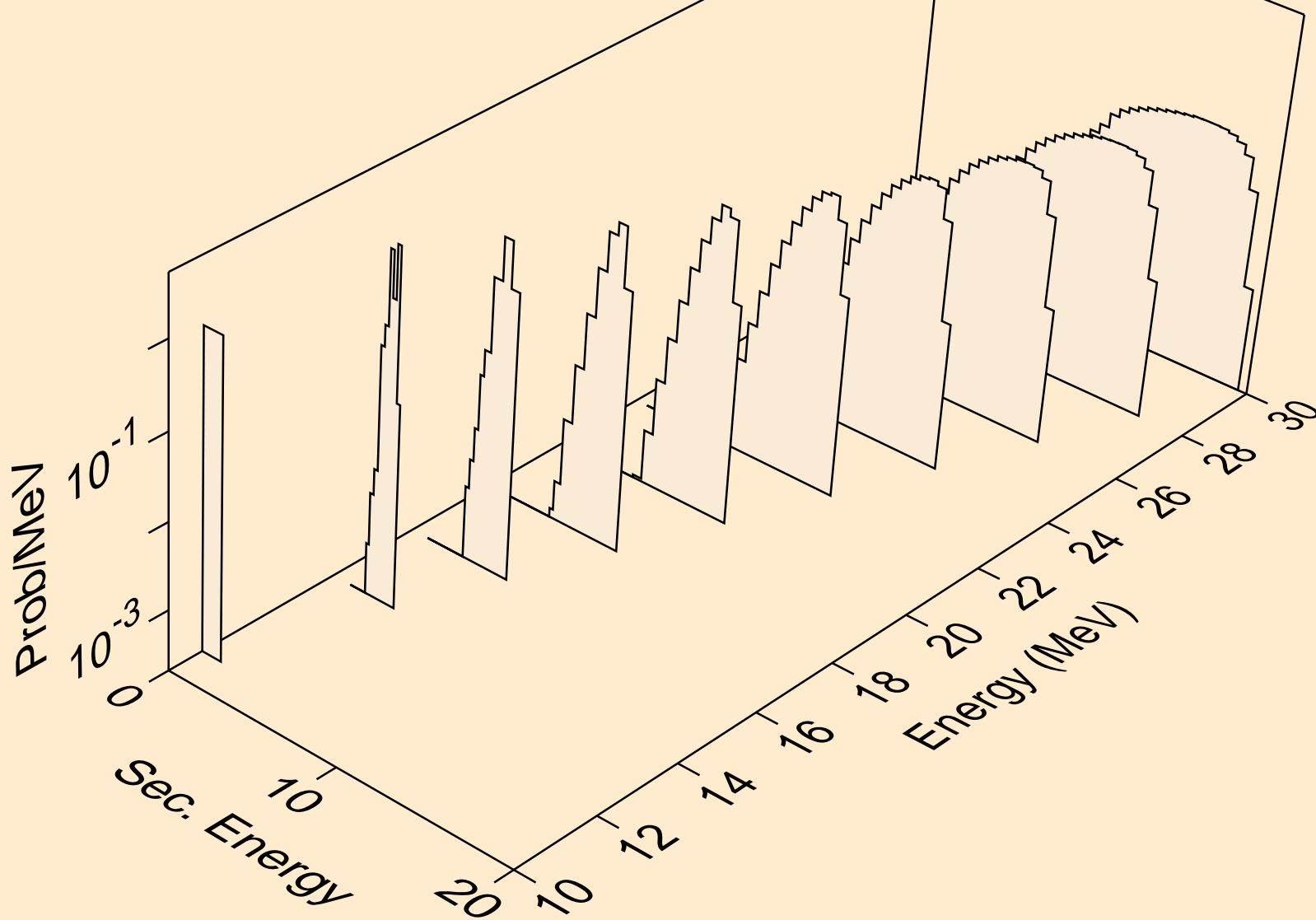
HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,x)



HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
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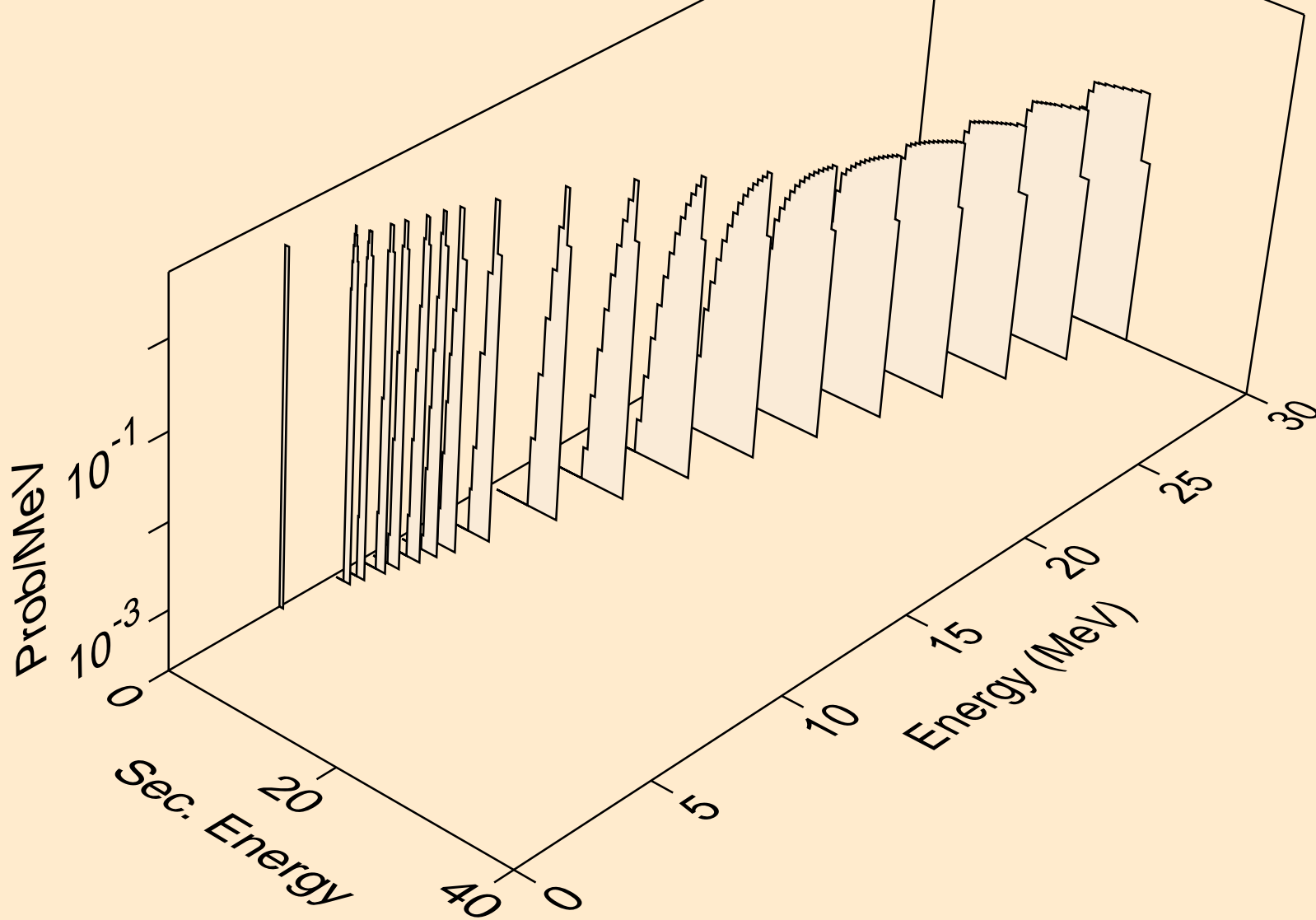


HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
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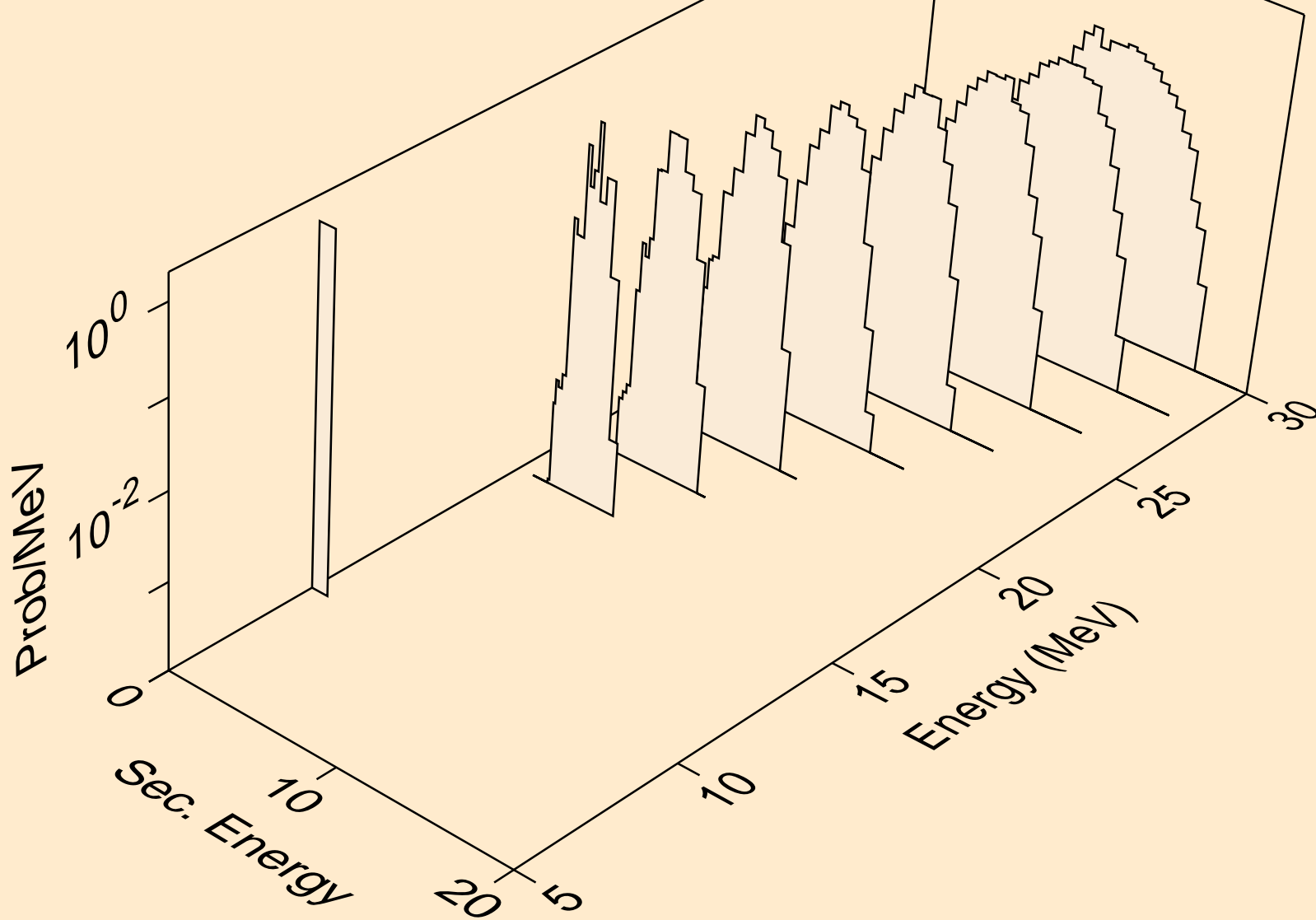




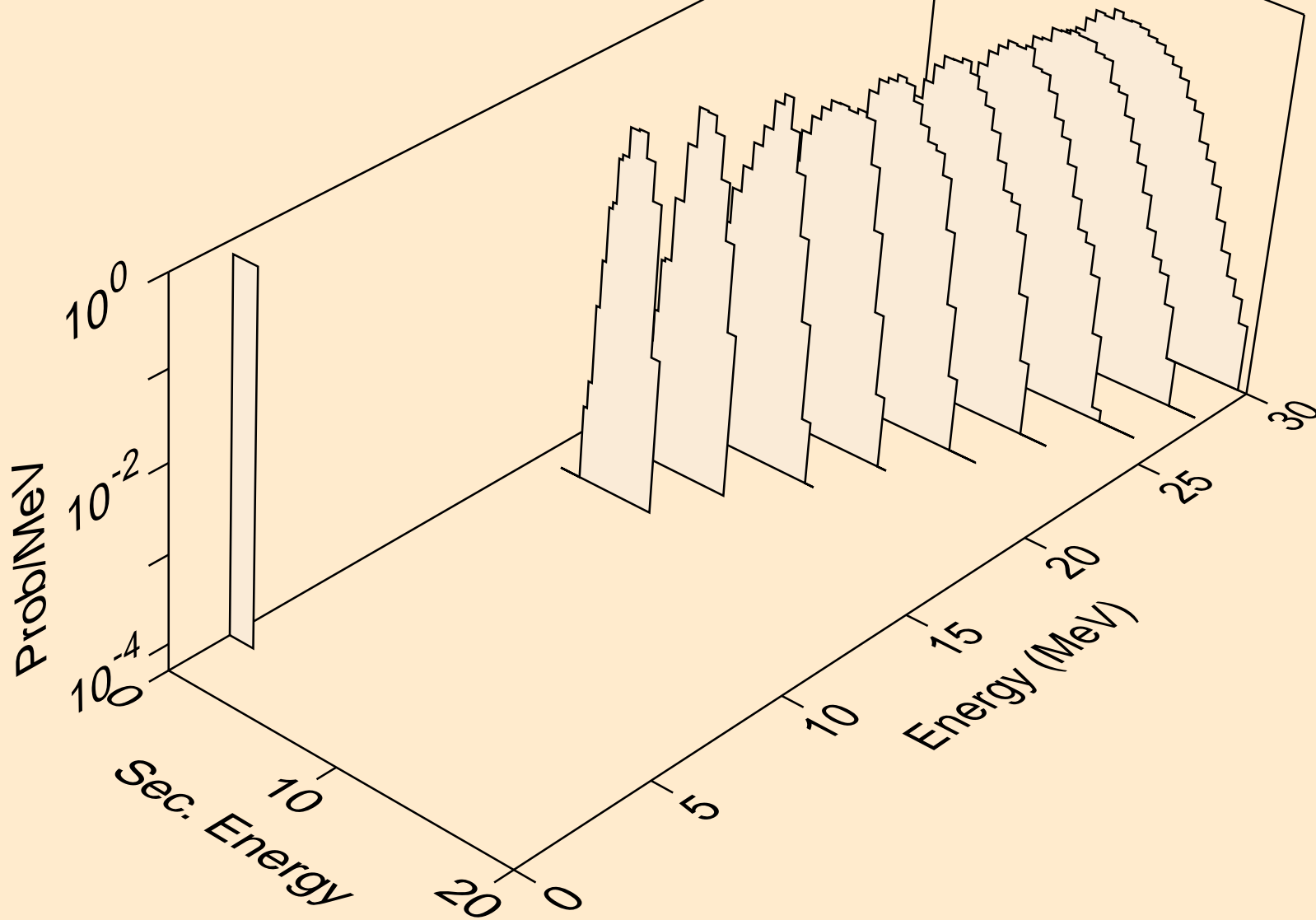
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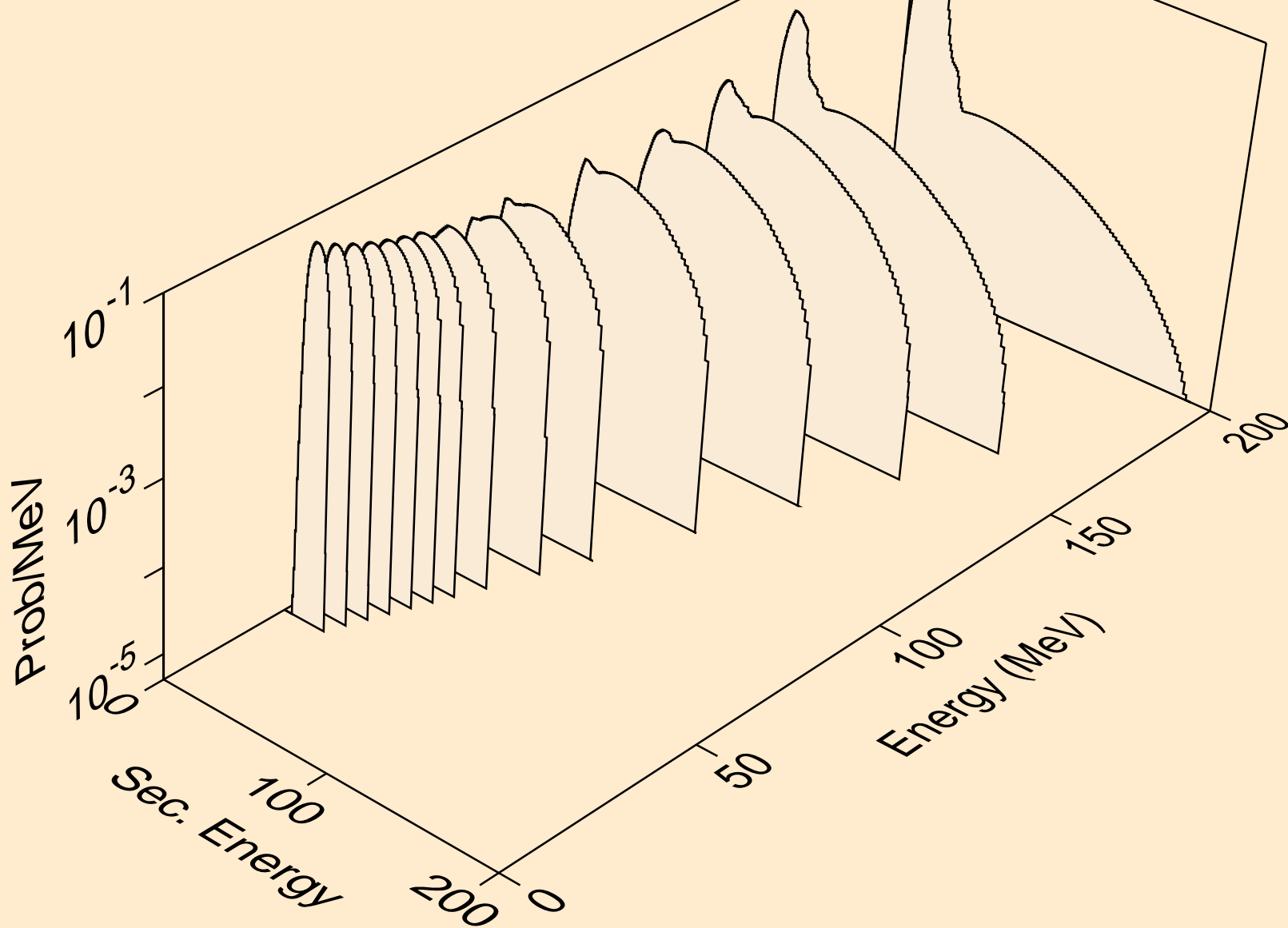
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deuterons from (n,pd)



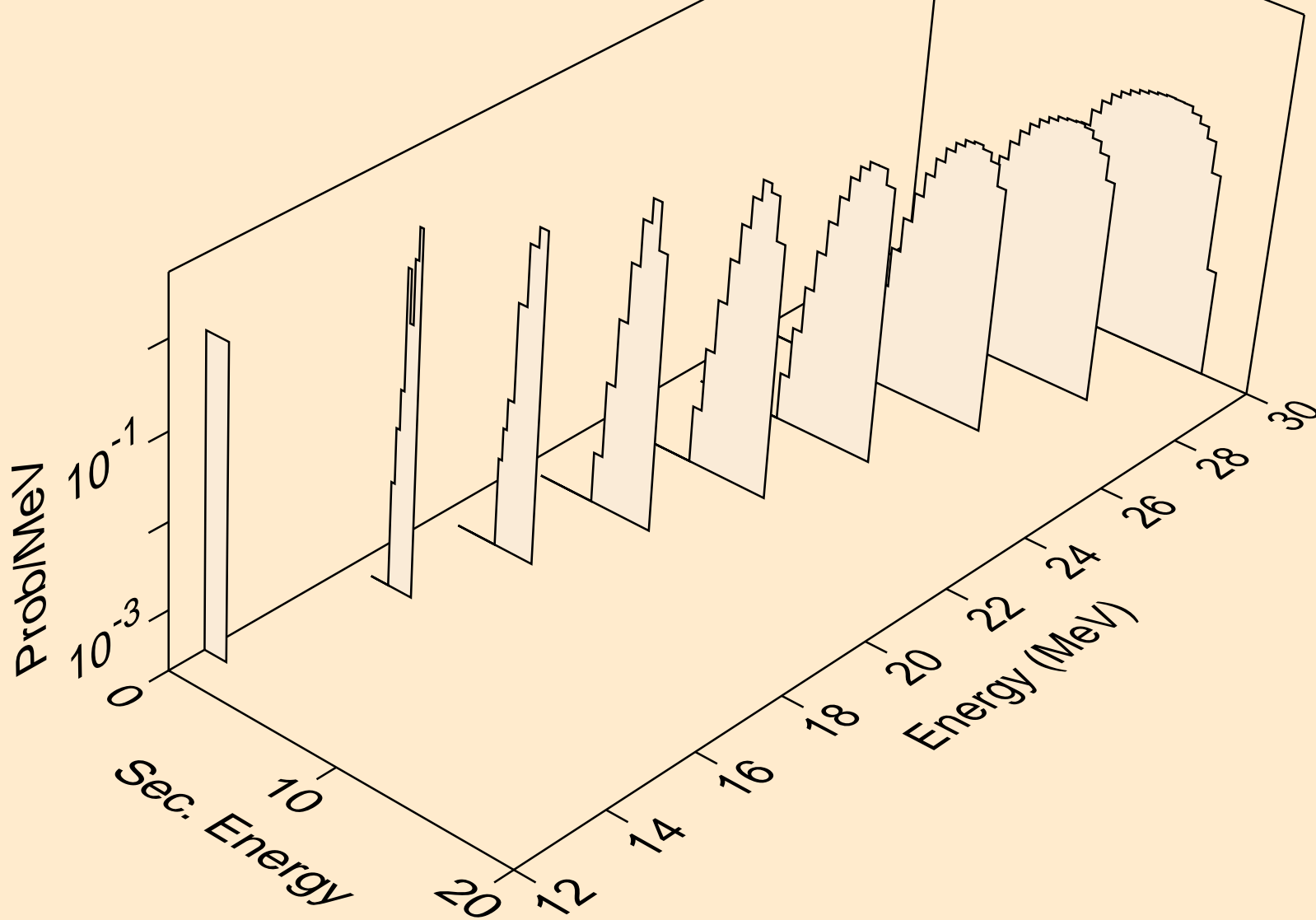
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deuterons from (n,da)



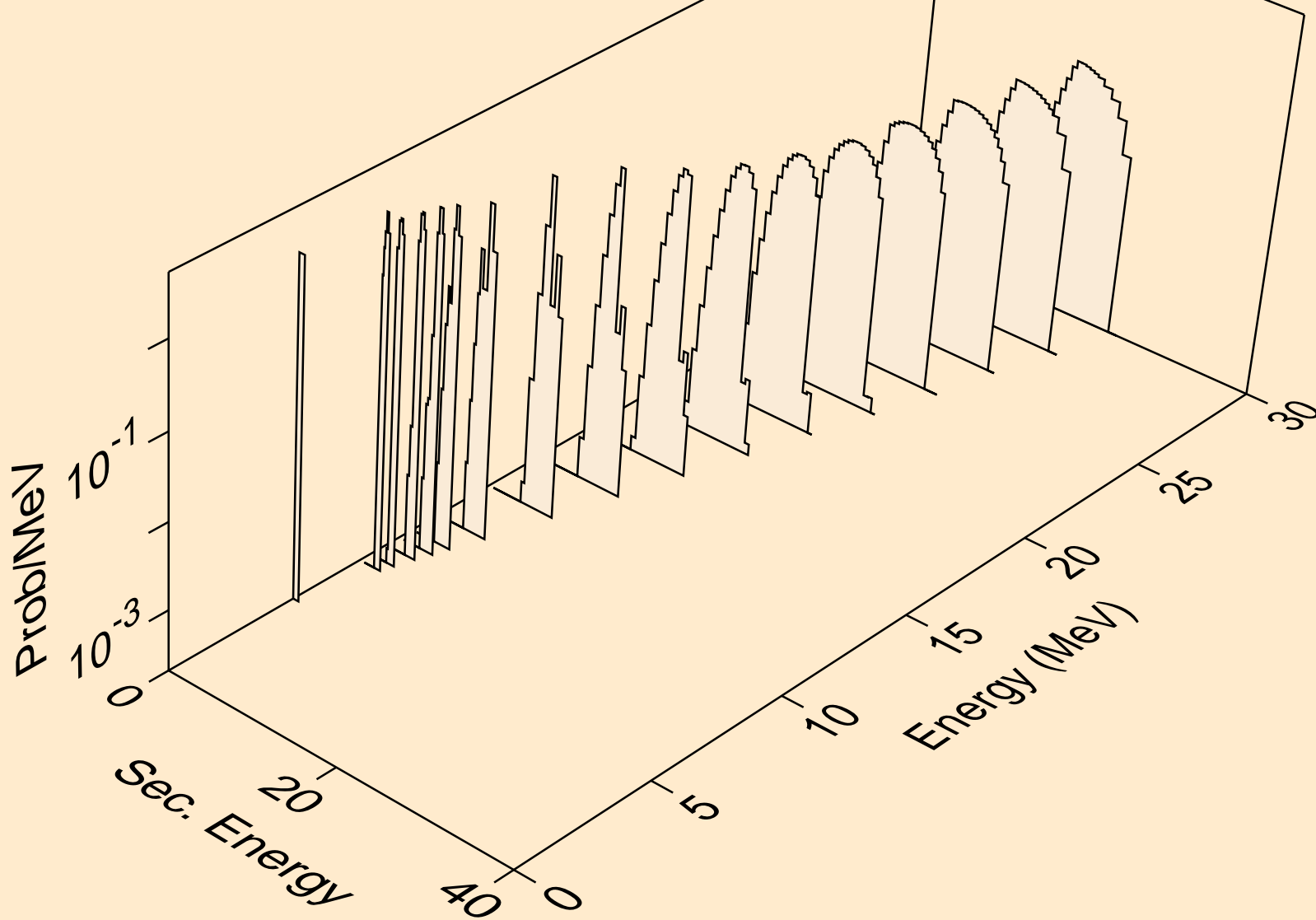
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tritons from (n,x)



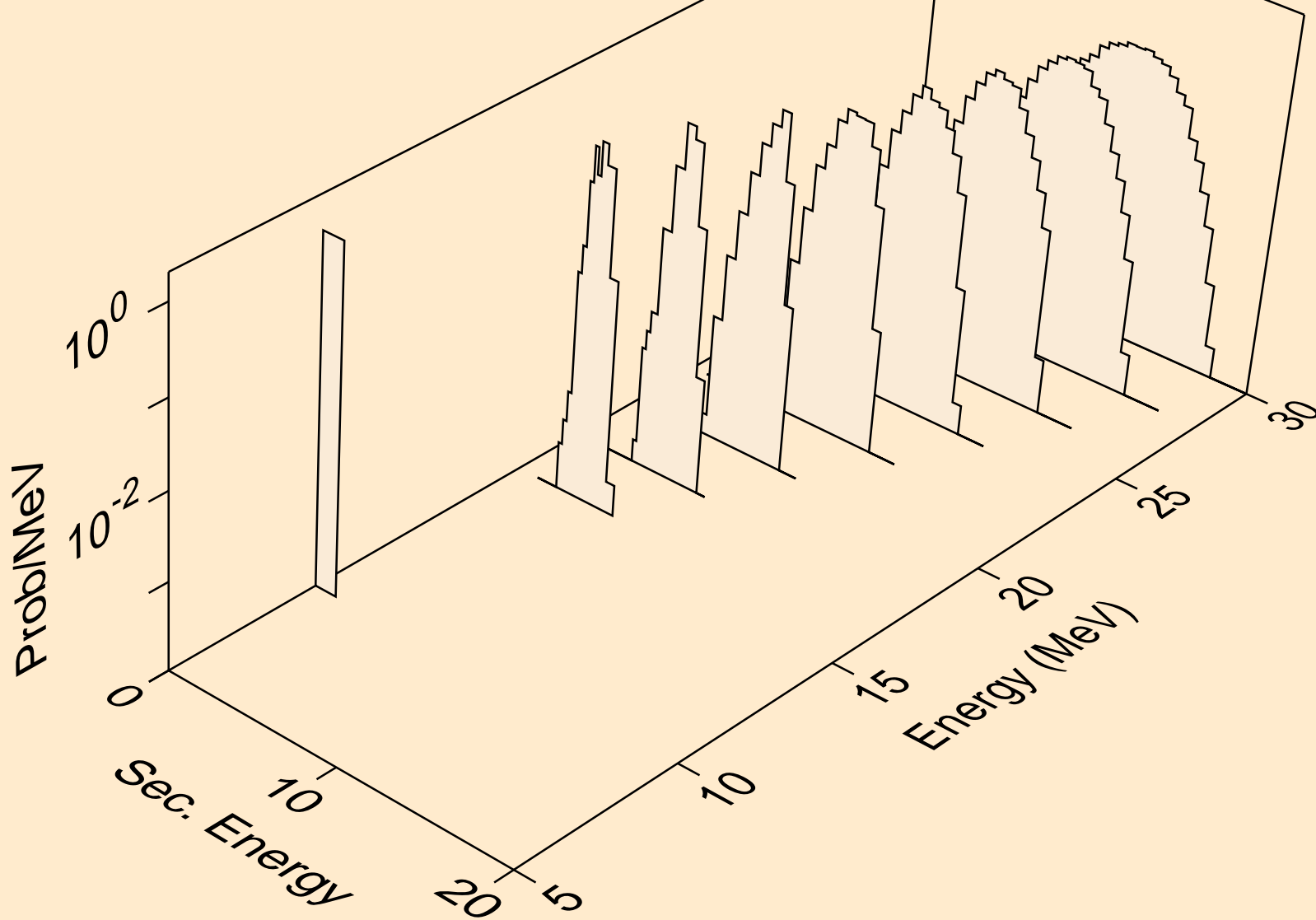
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tritons from (n,n\*)t



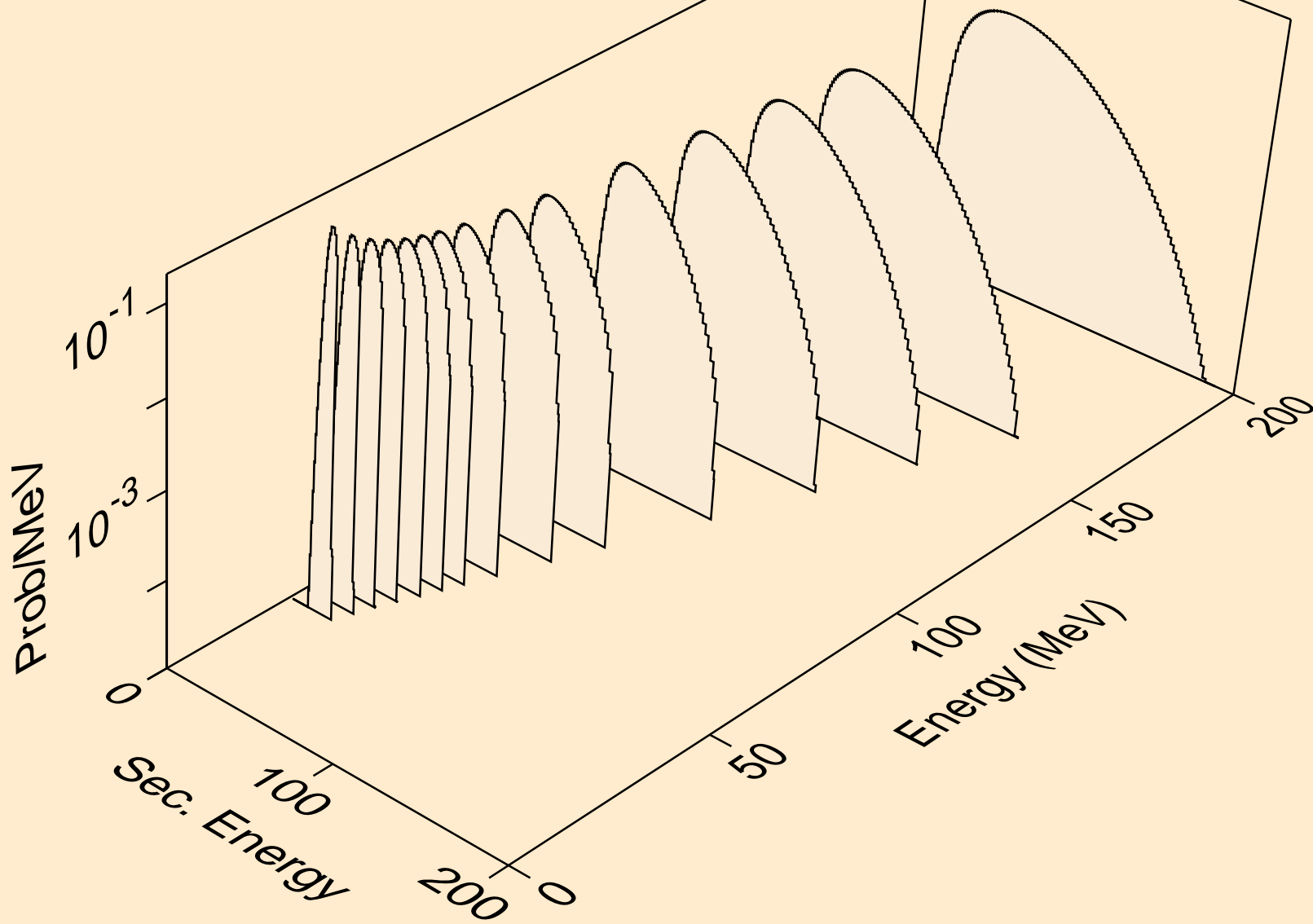
HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,t)



HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,pt)

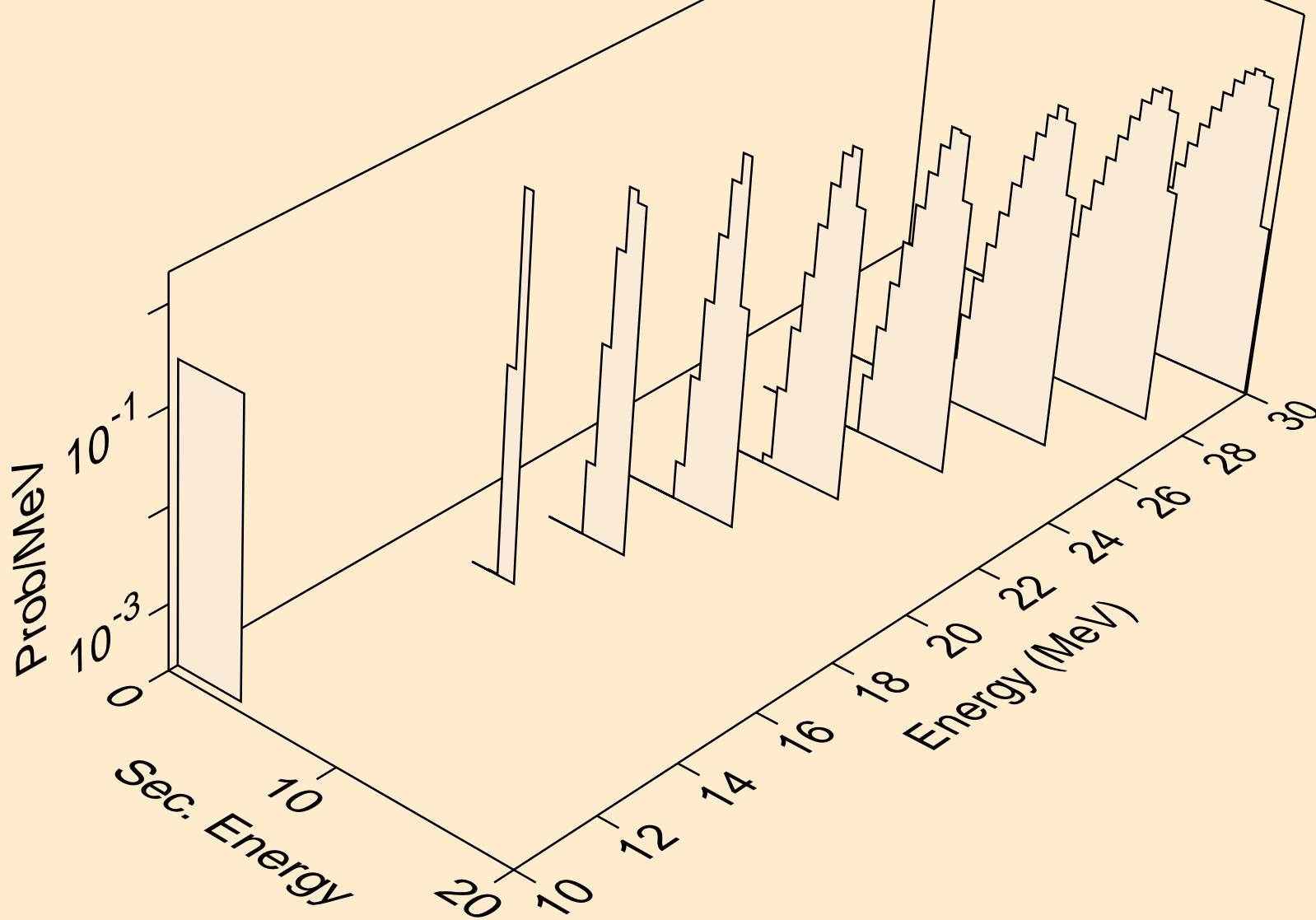


HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,x)

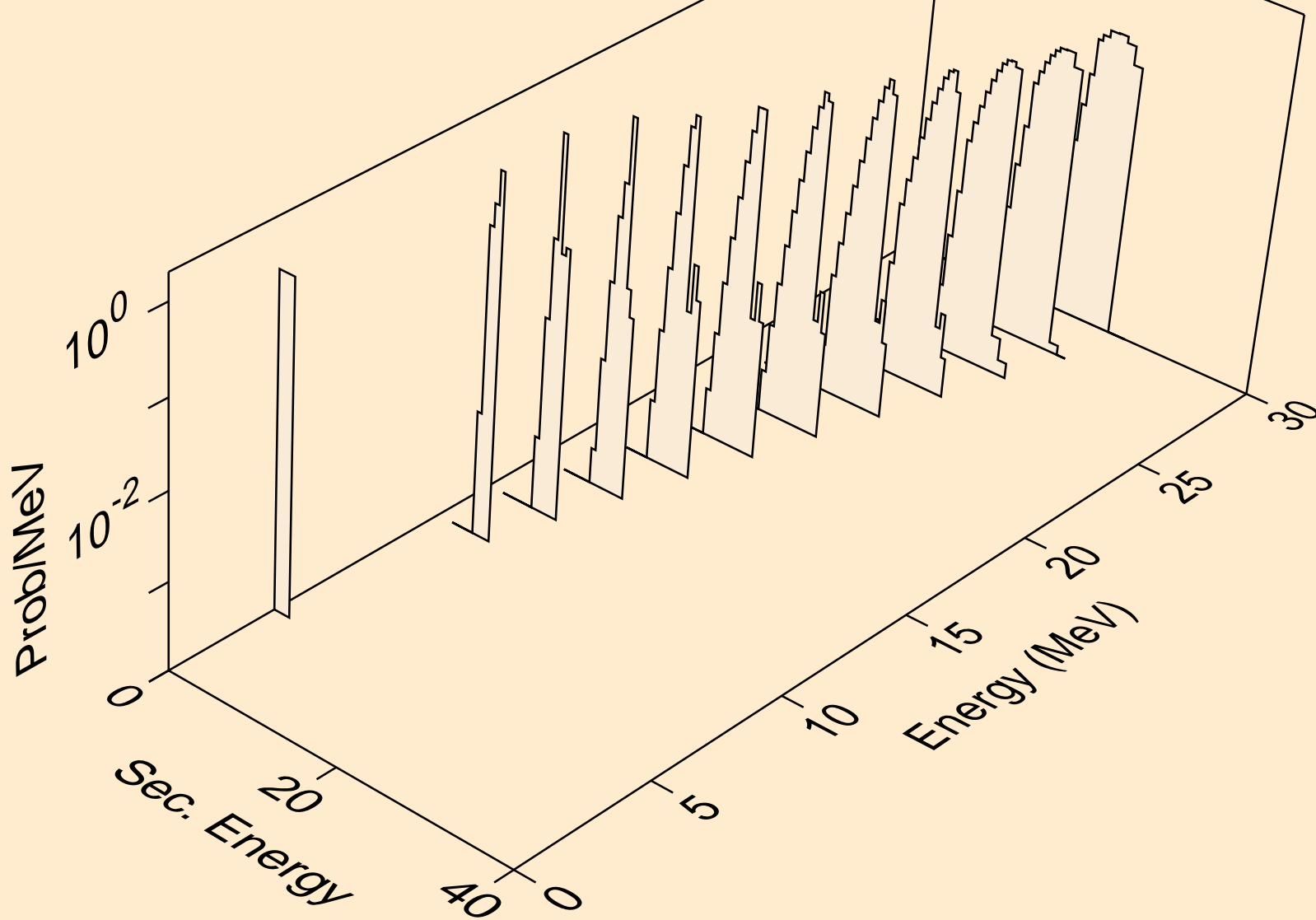




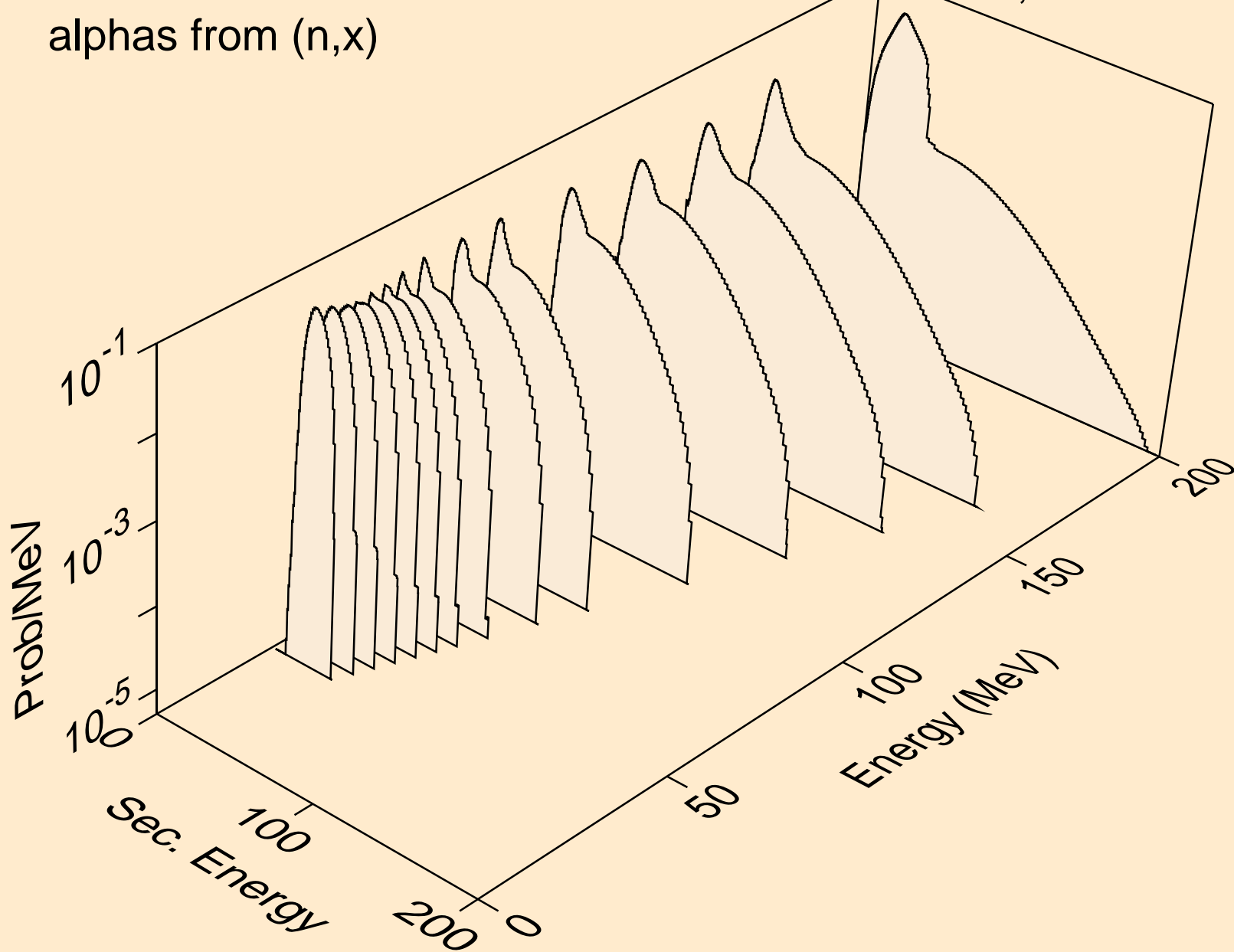
HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,n\*)he3



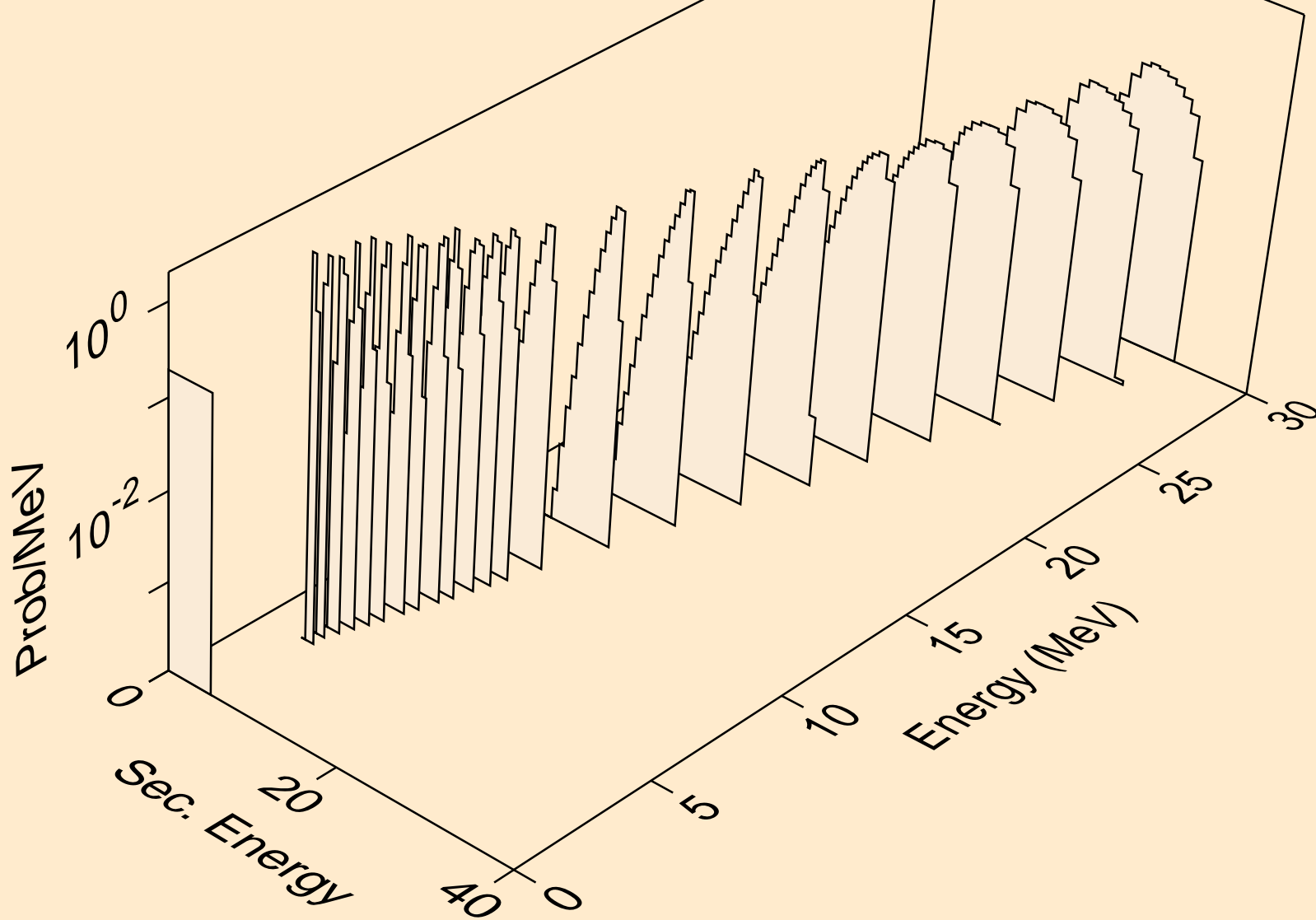
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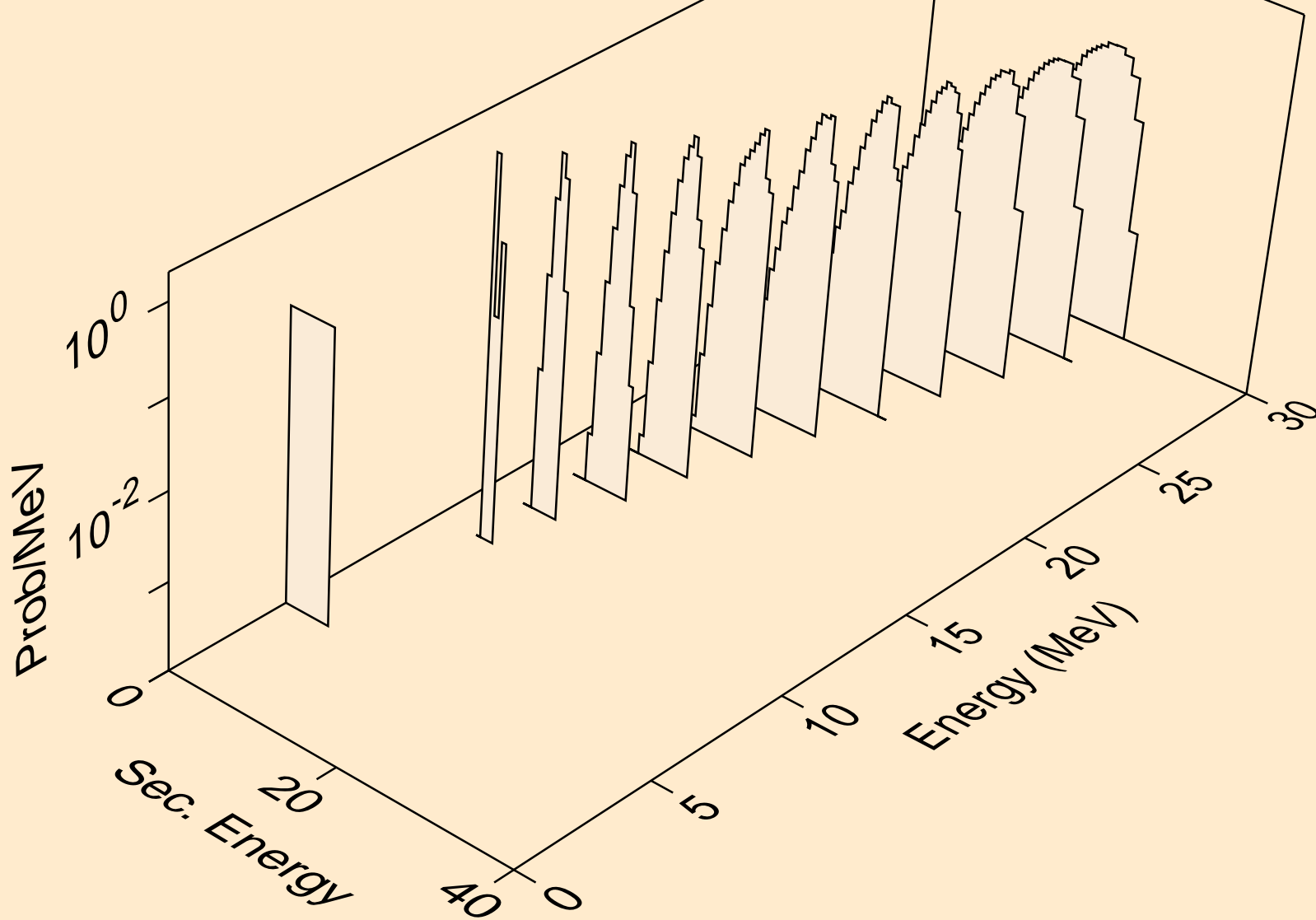
HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,x)



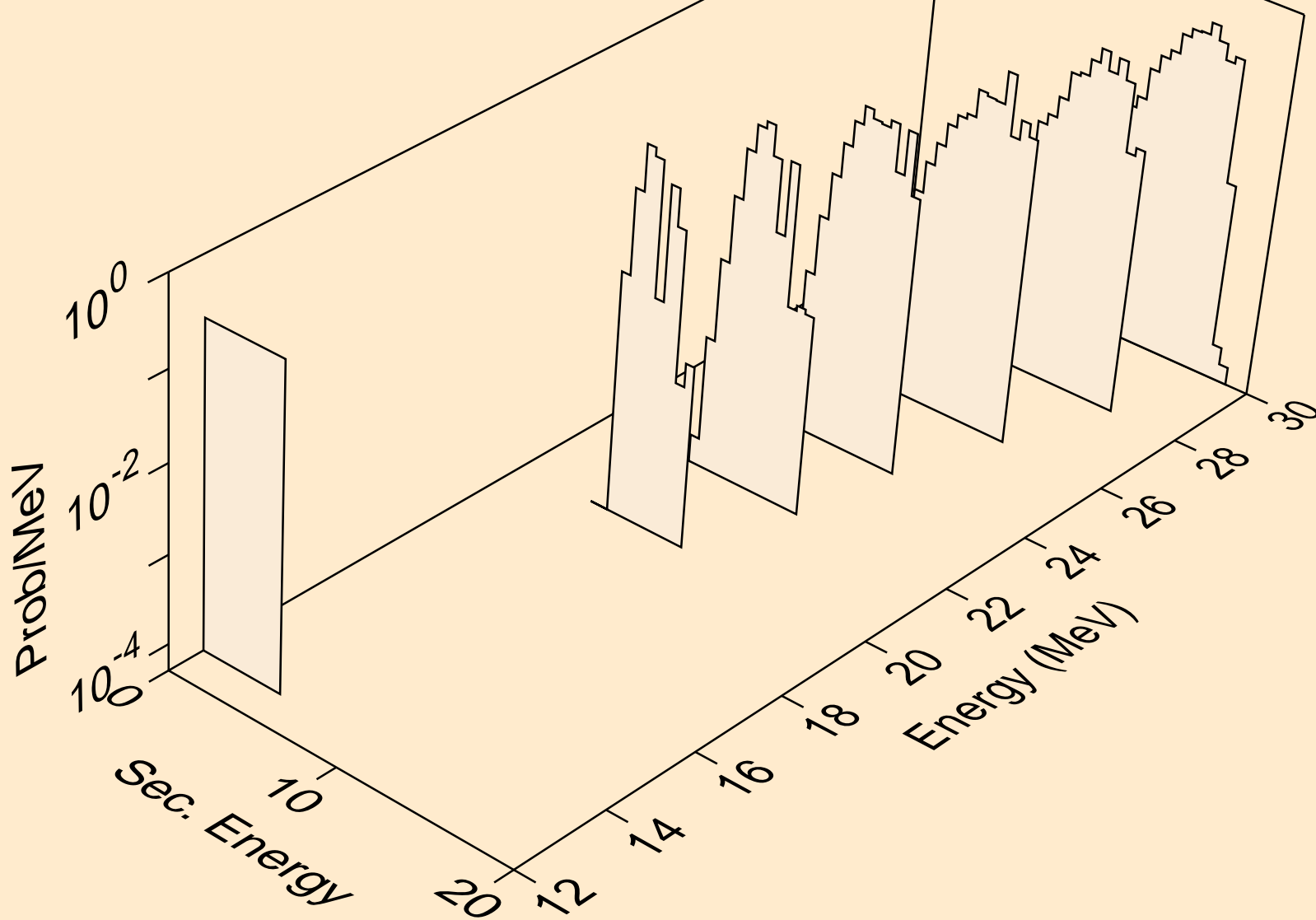
HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)a



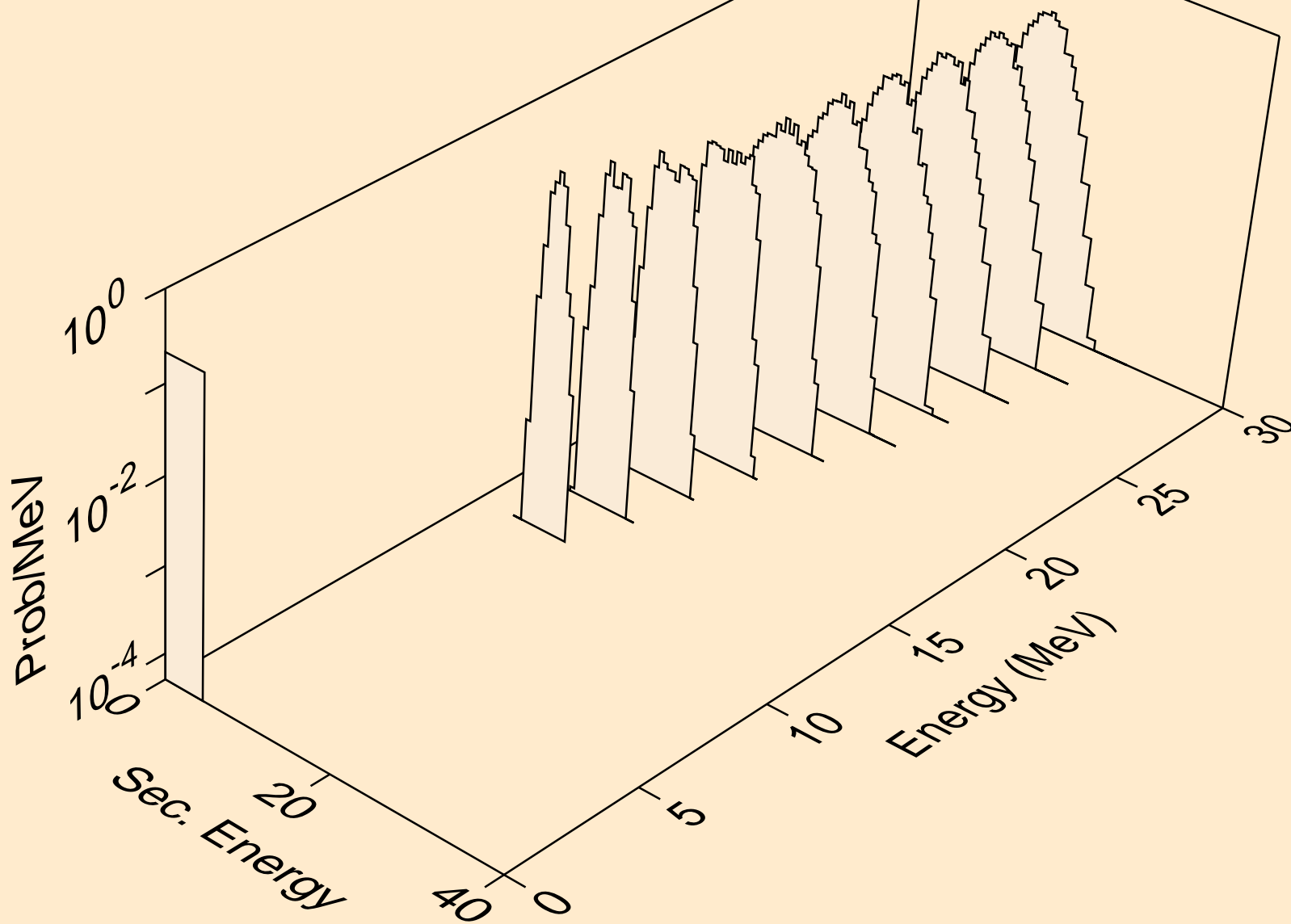
HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2n)a



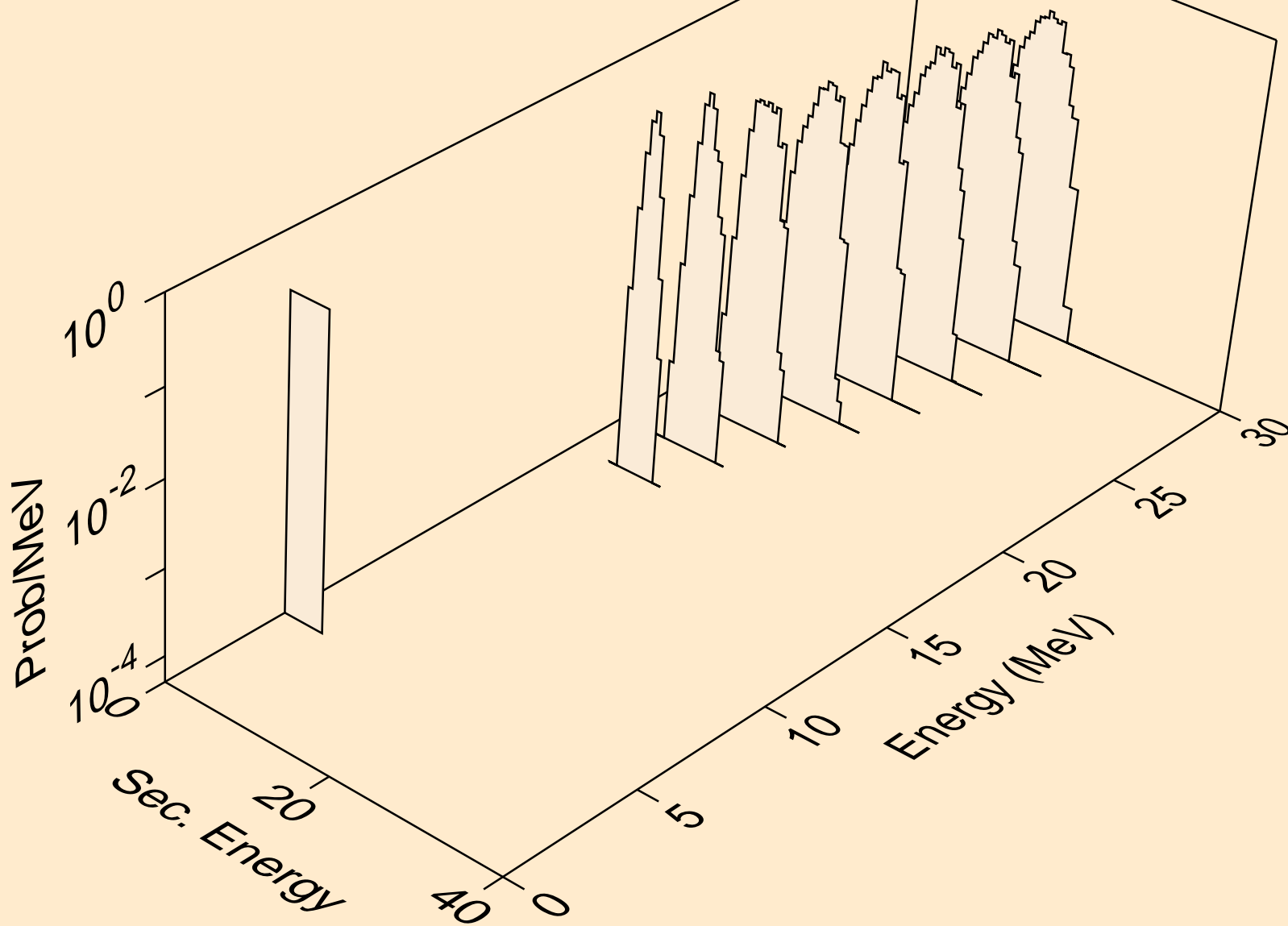
HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,3n)a



HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)2a

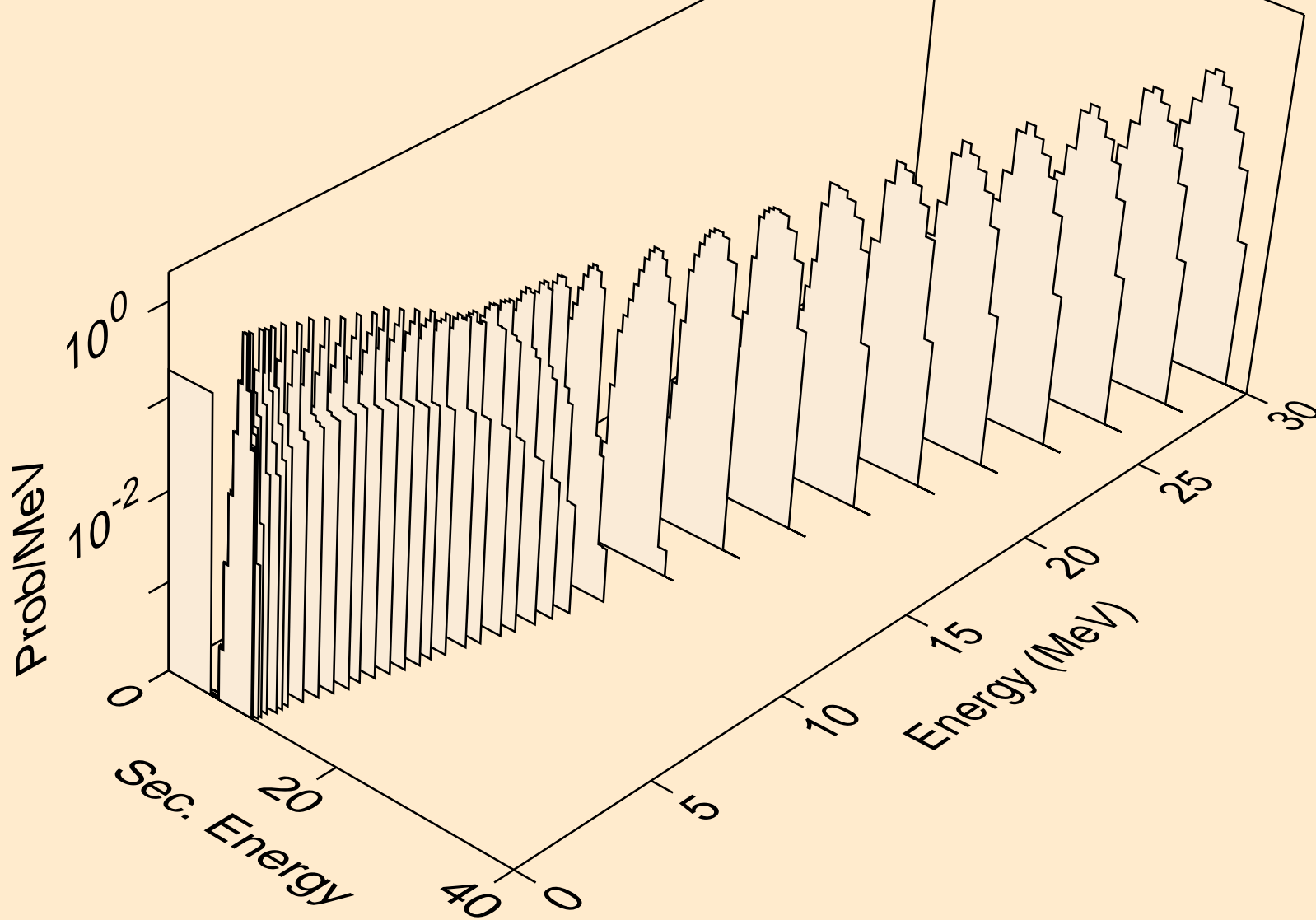


HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,npa)

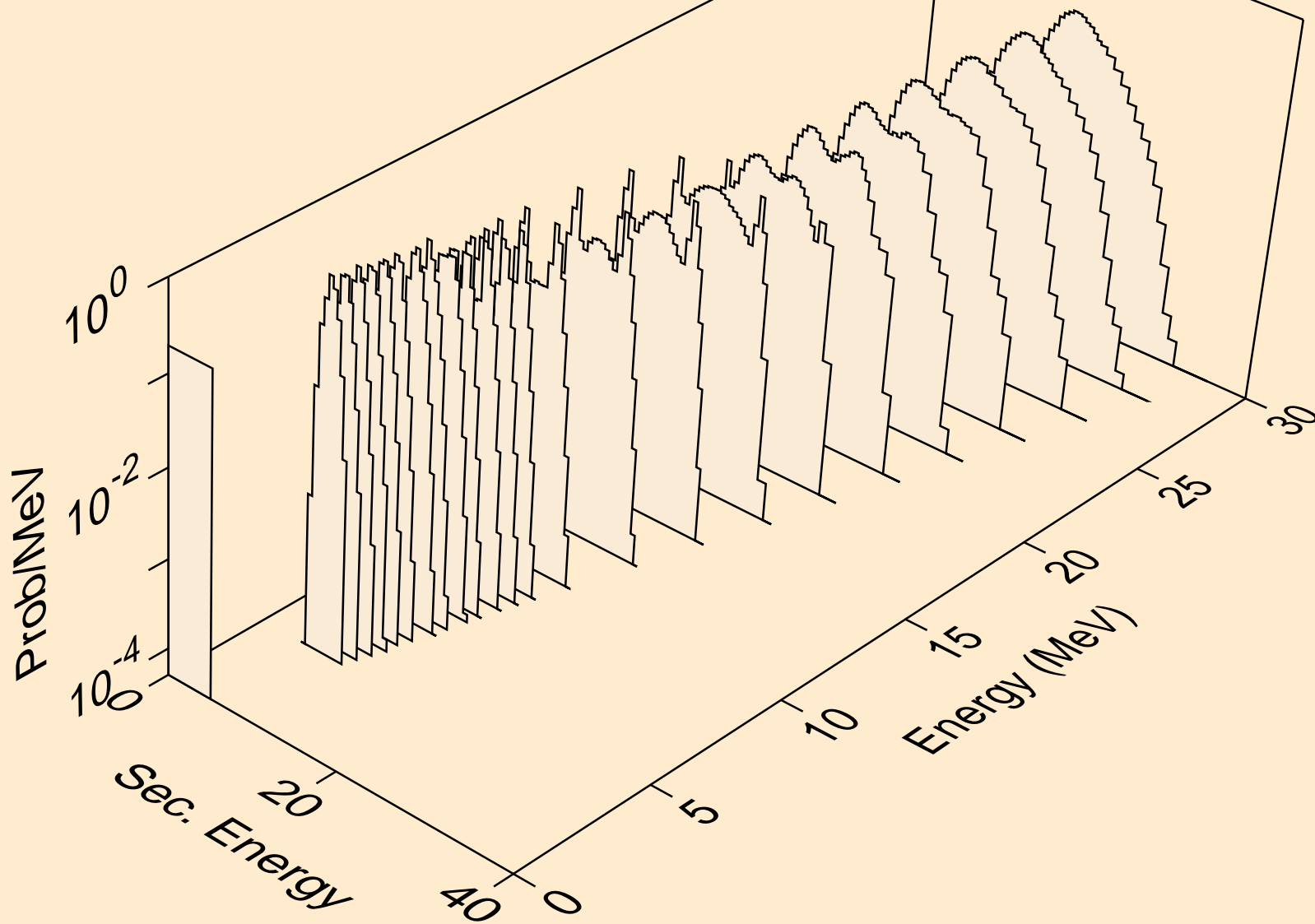




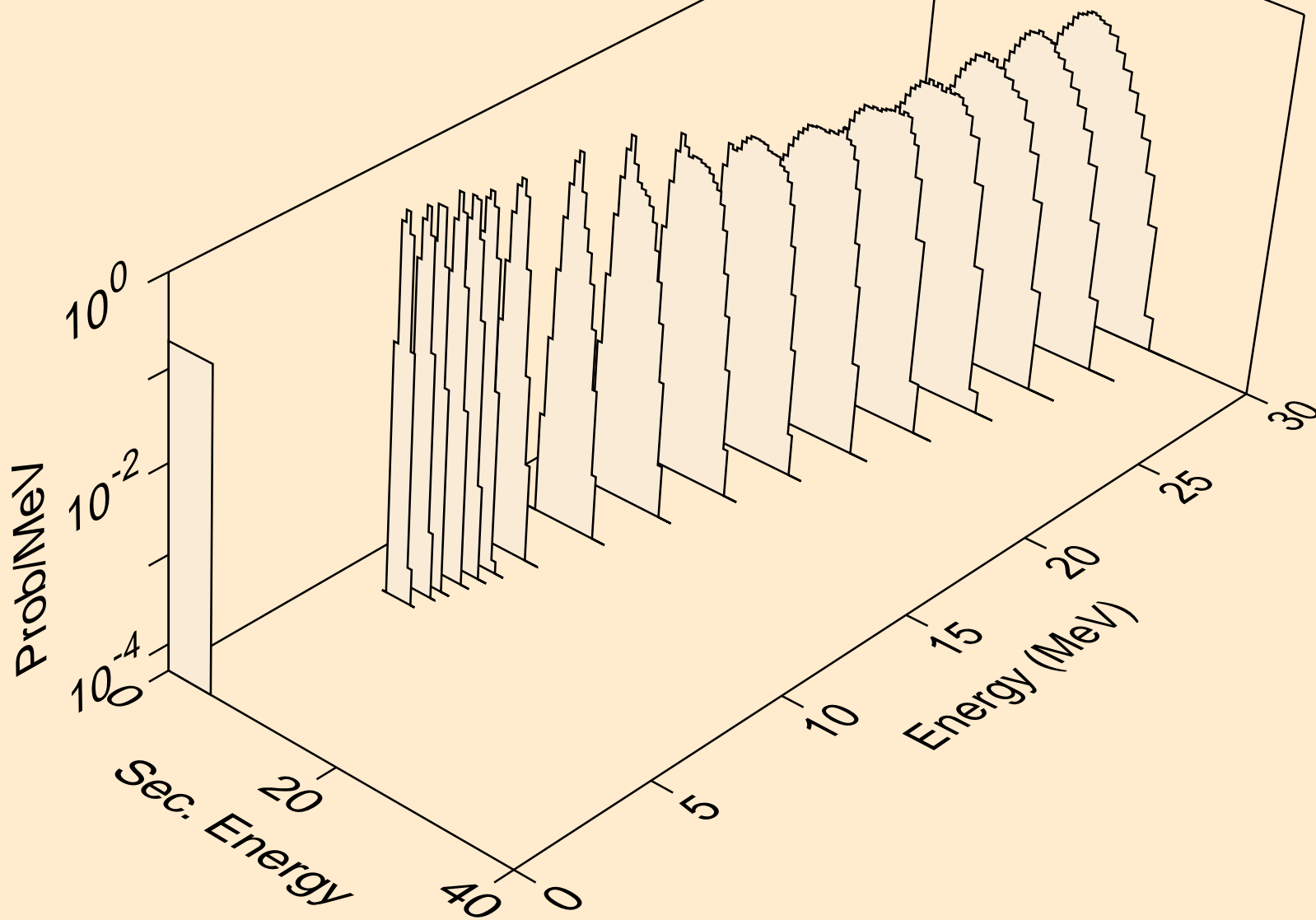
HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,a)



HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2a)



HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,pa)



HF175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,da)

