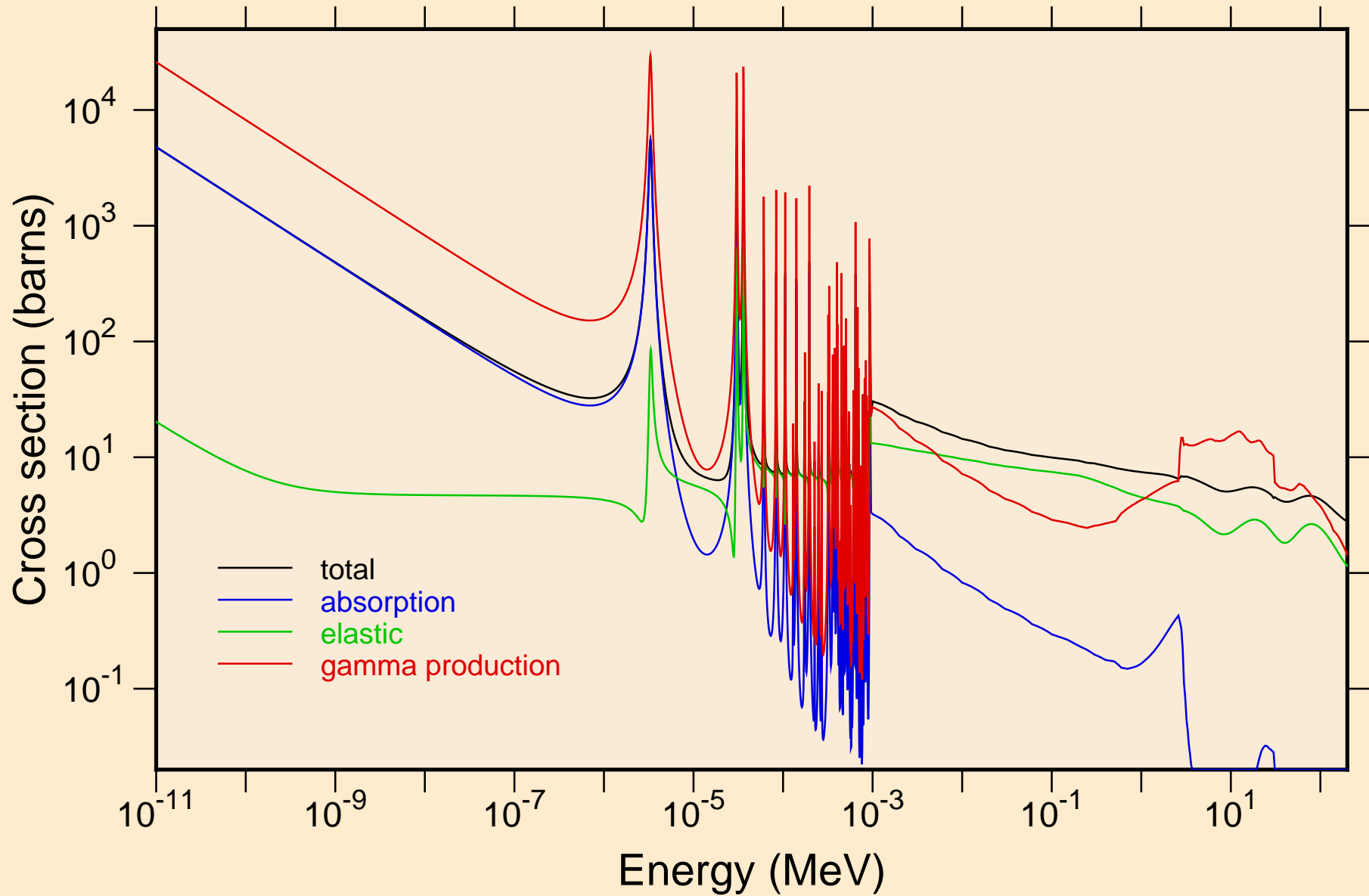
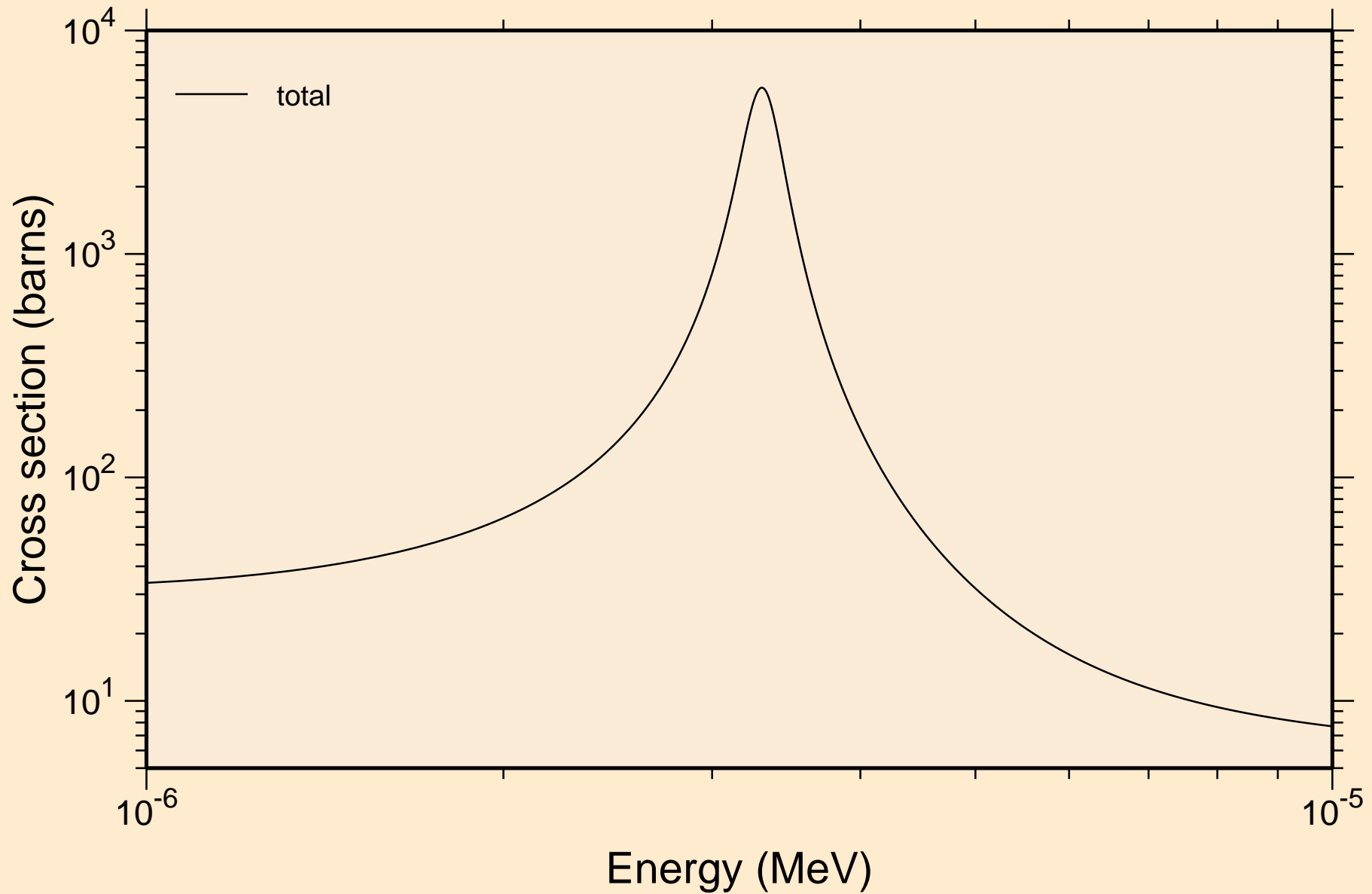


# HF182M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

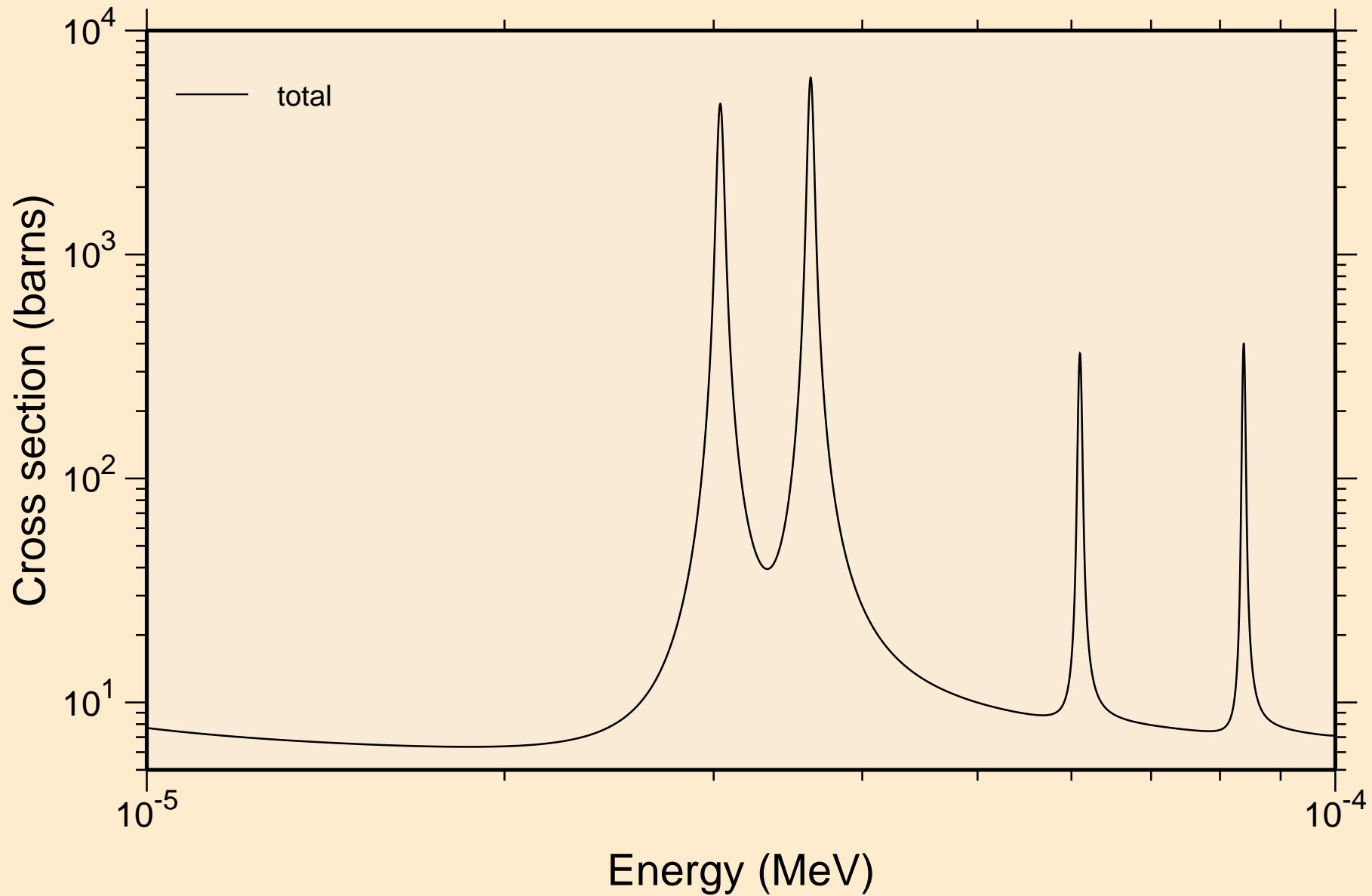
## Principal cross sections



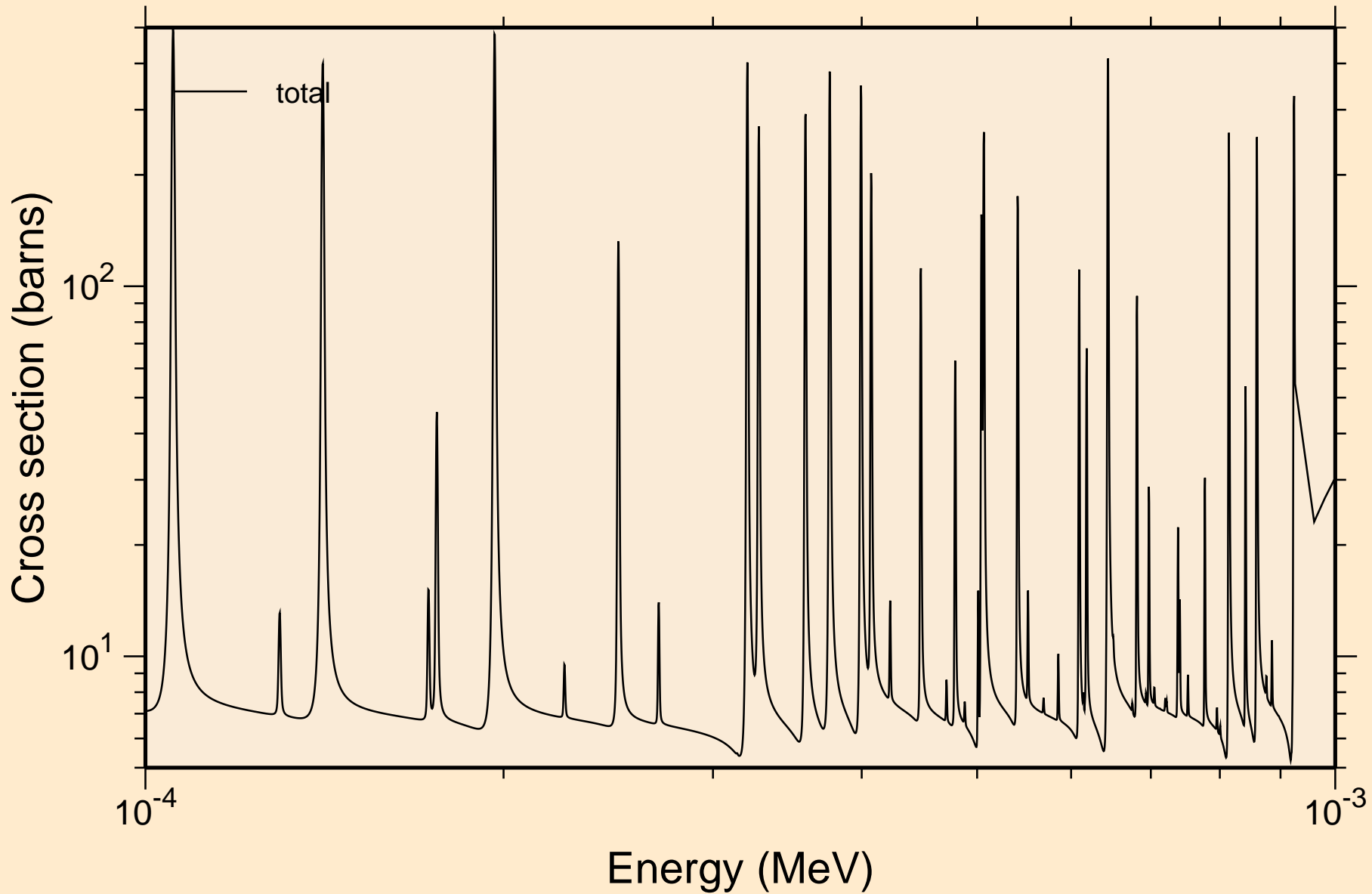
HF182M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



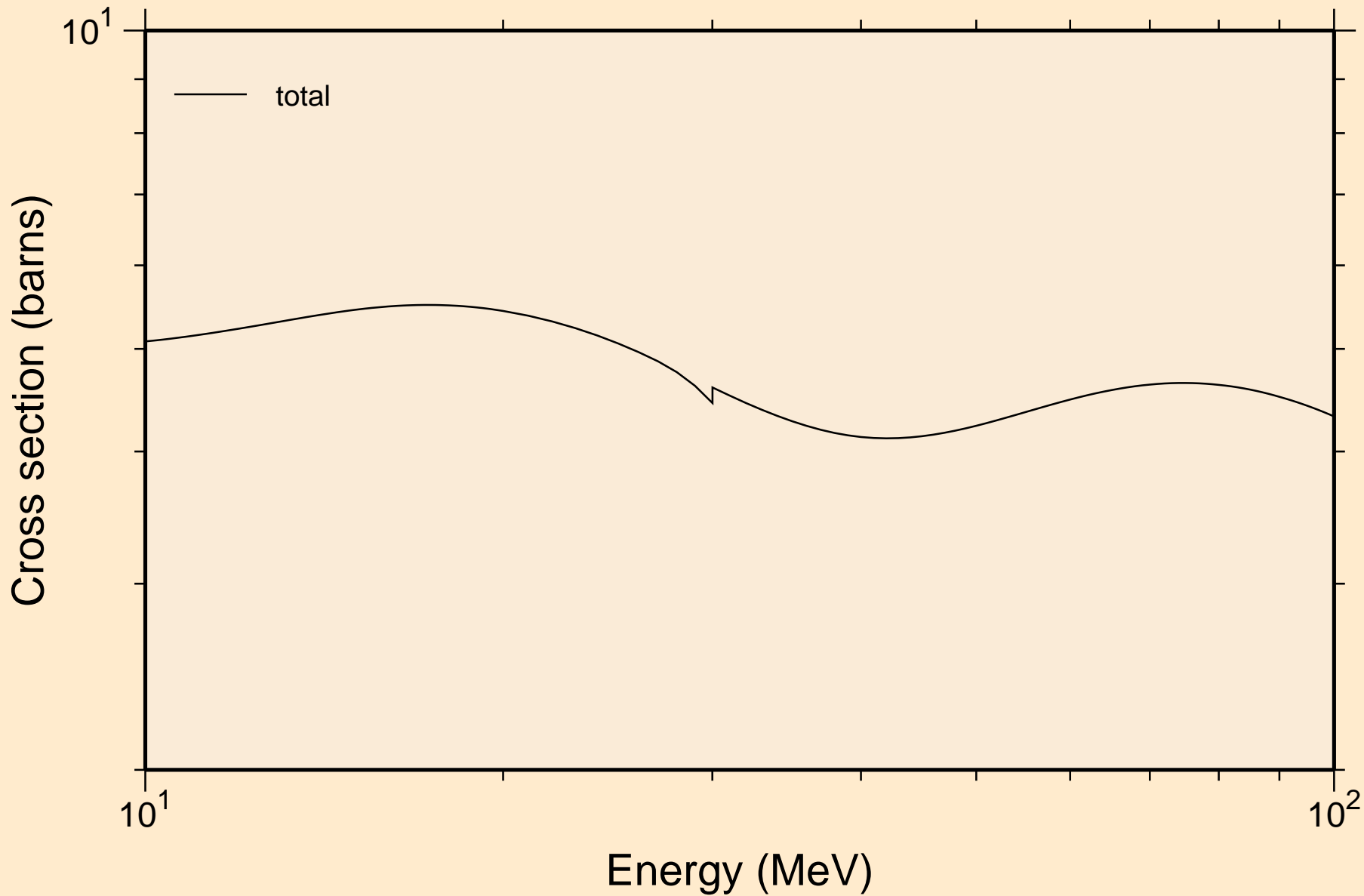
HF182M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



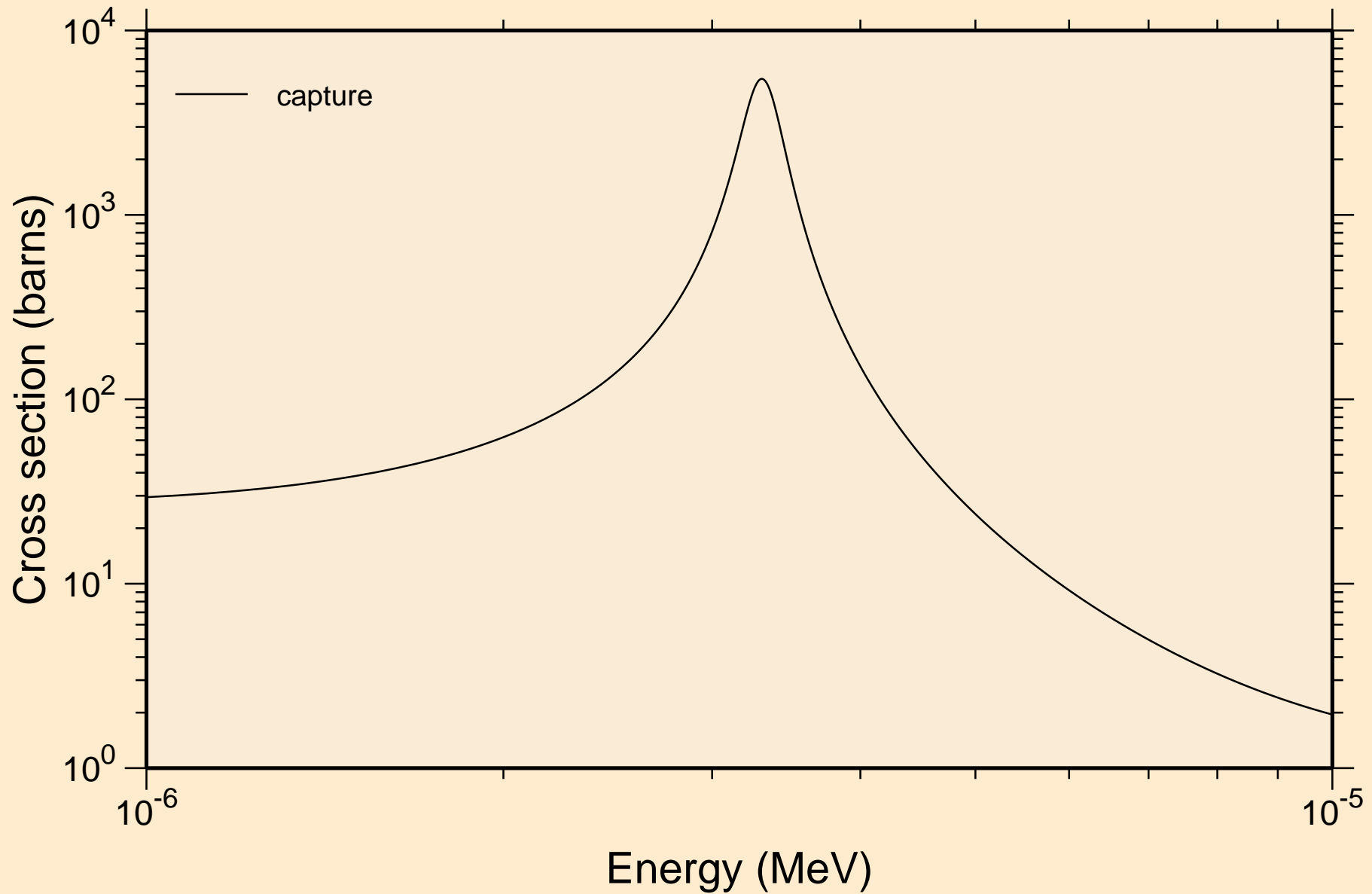
HF182M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



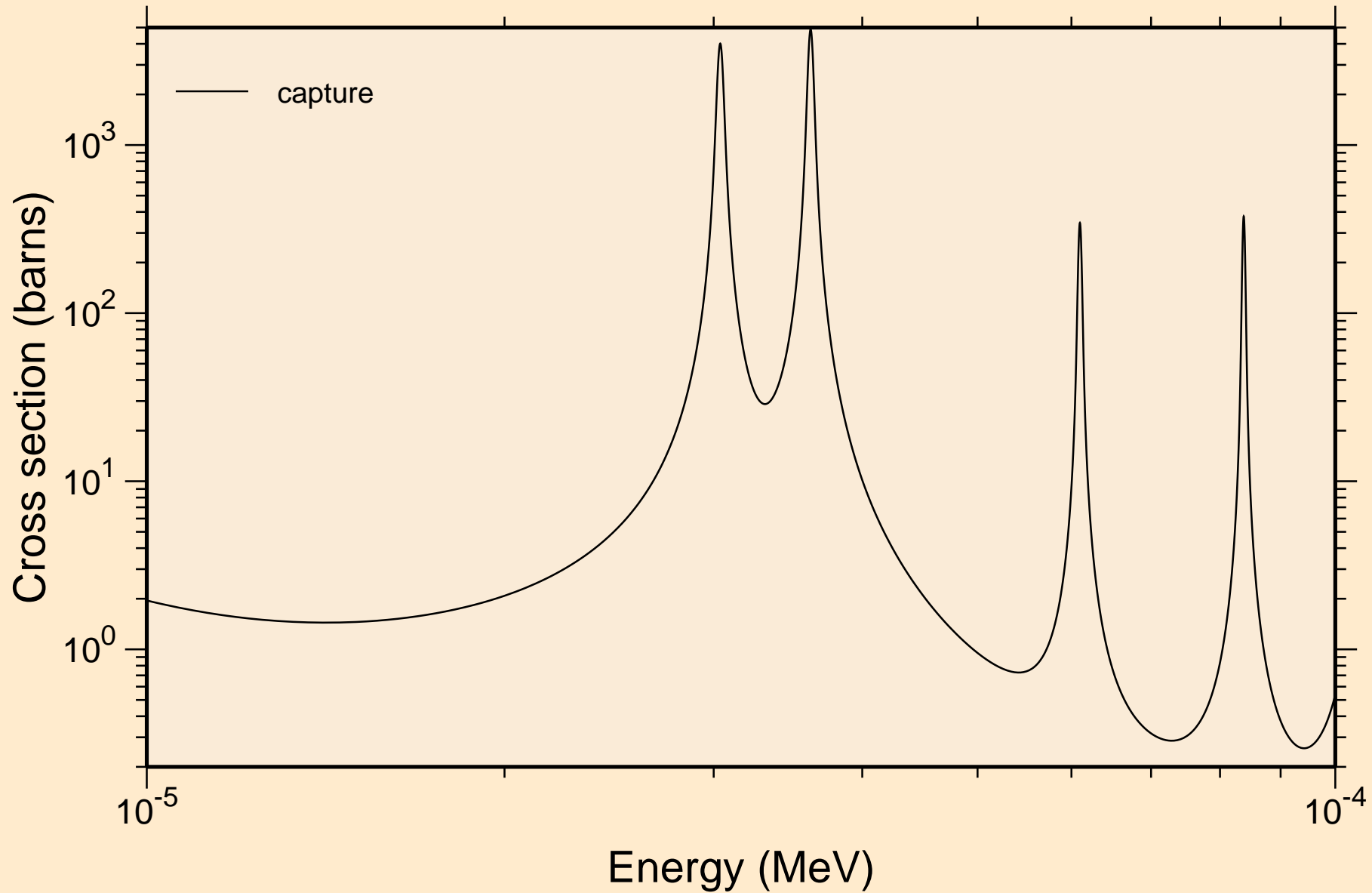
HF182M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



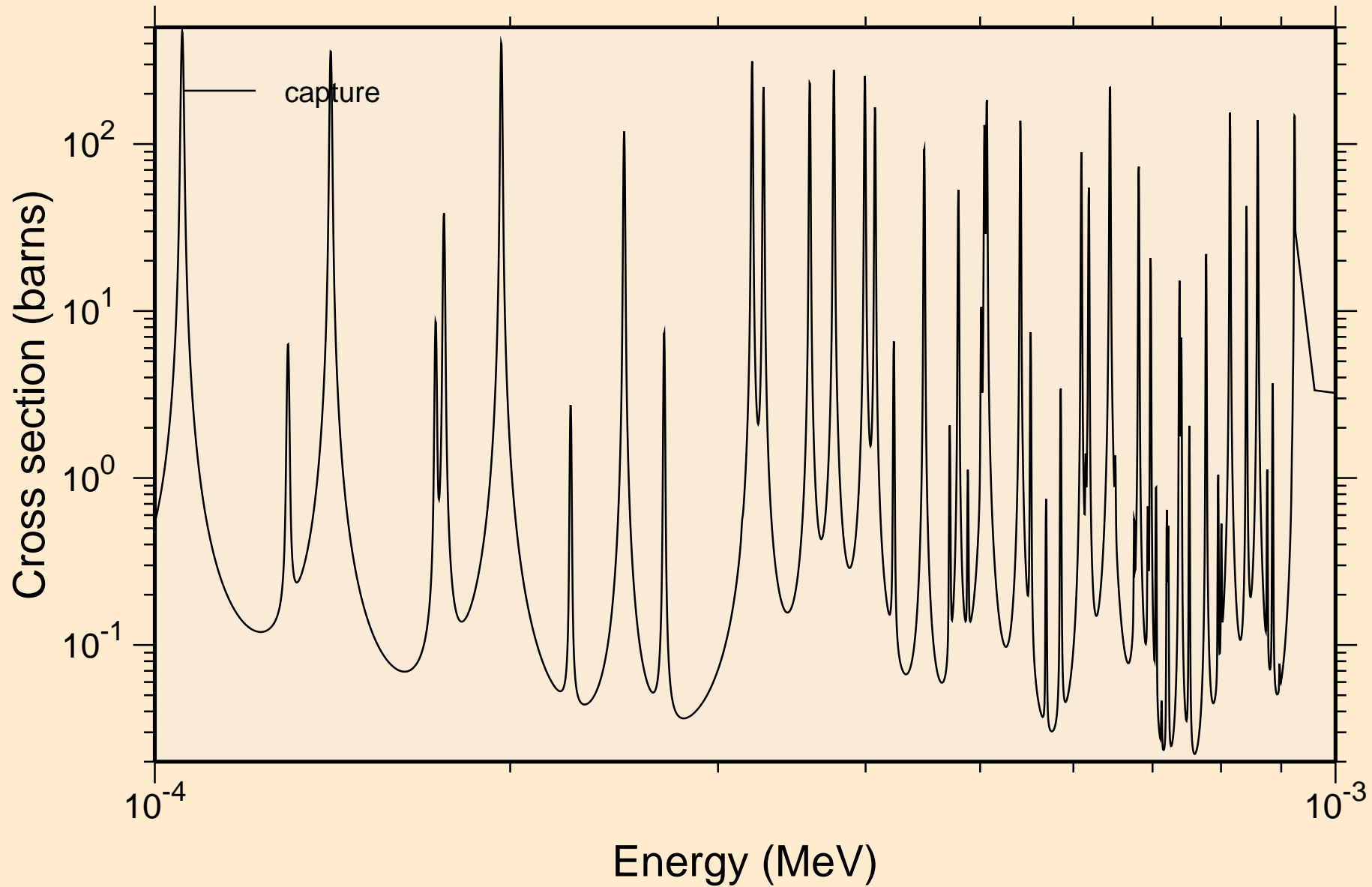
HF182M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



HF182M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections

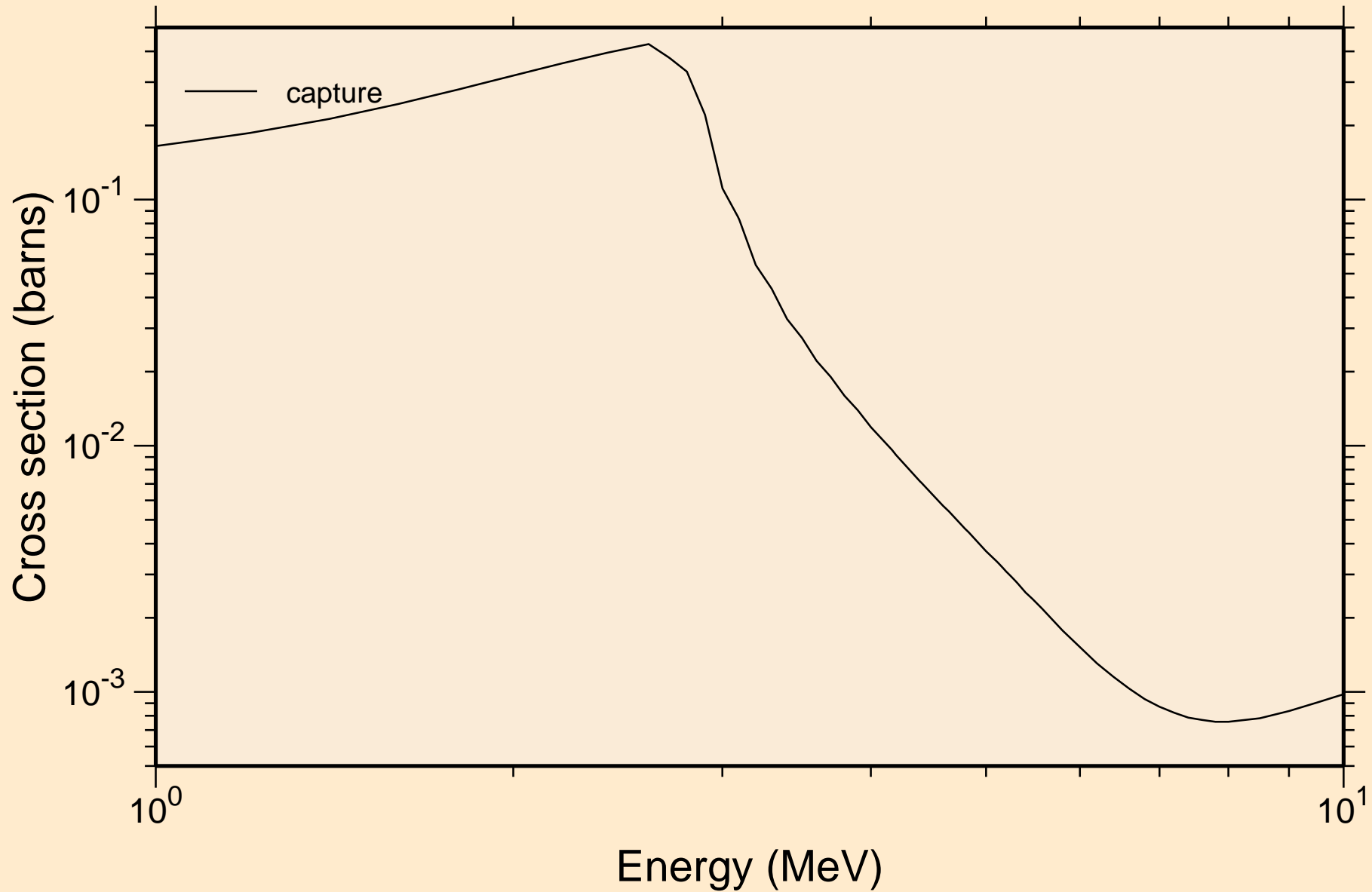


HF182M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections

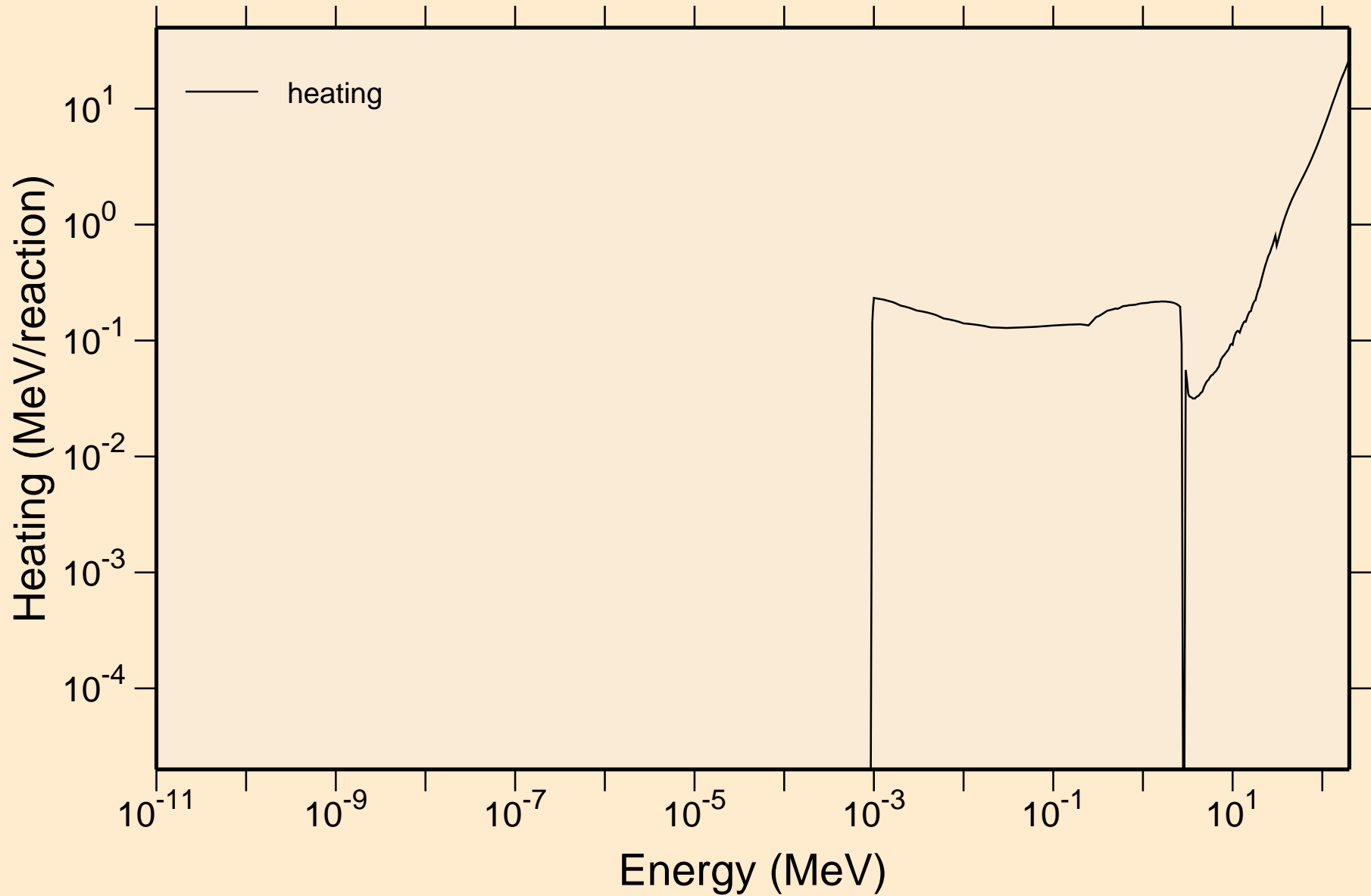




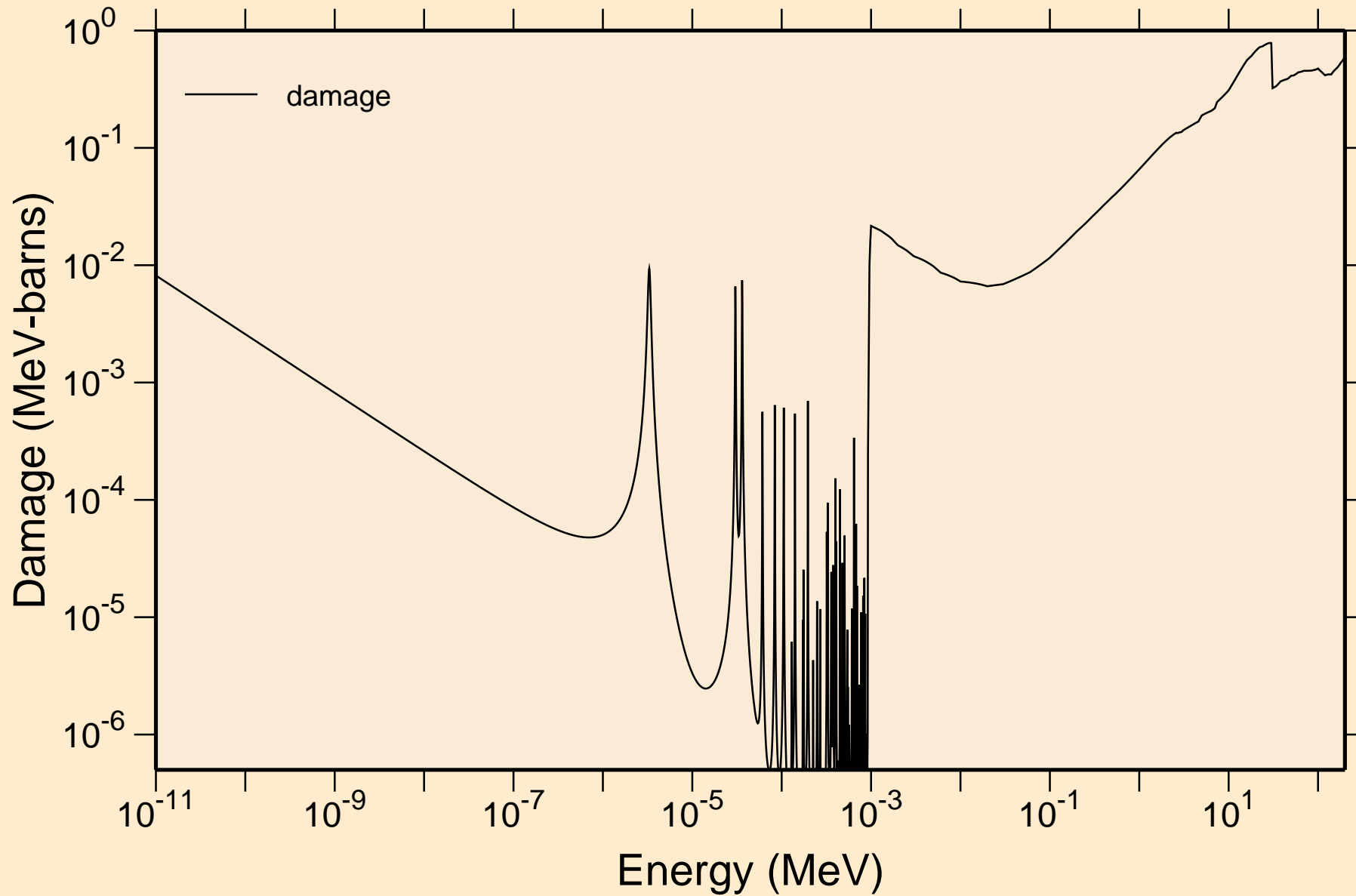
HF182M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



HF182M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Heating

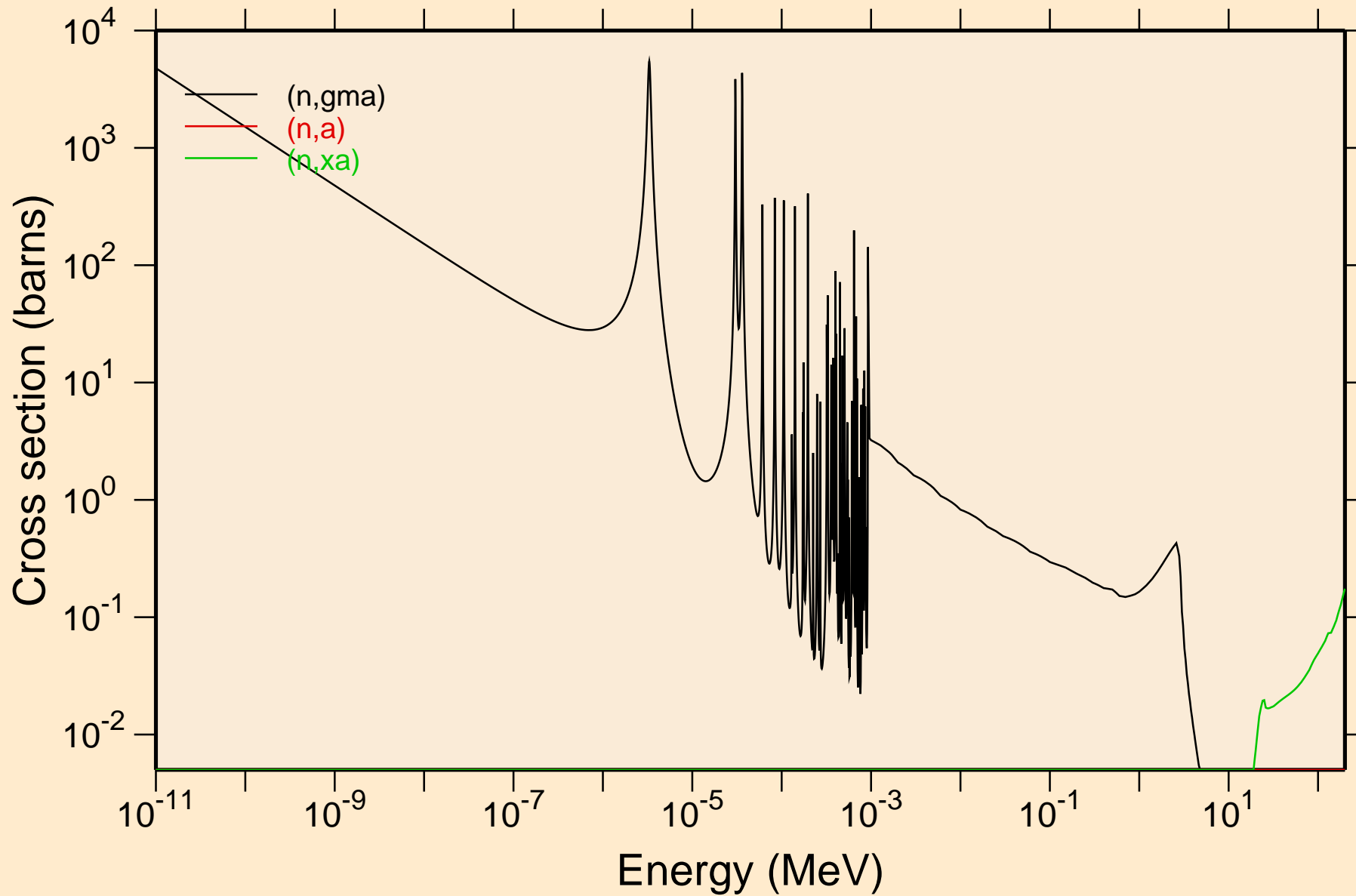


# HF182M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K Damage



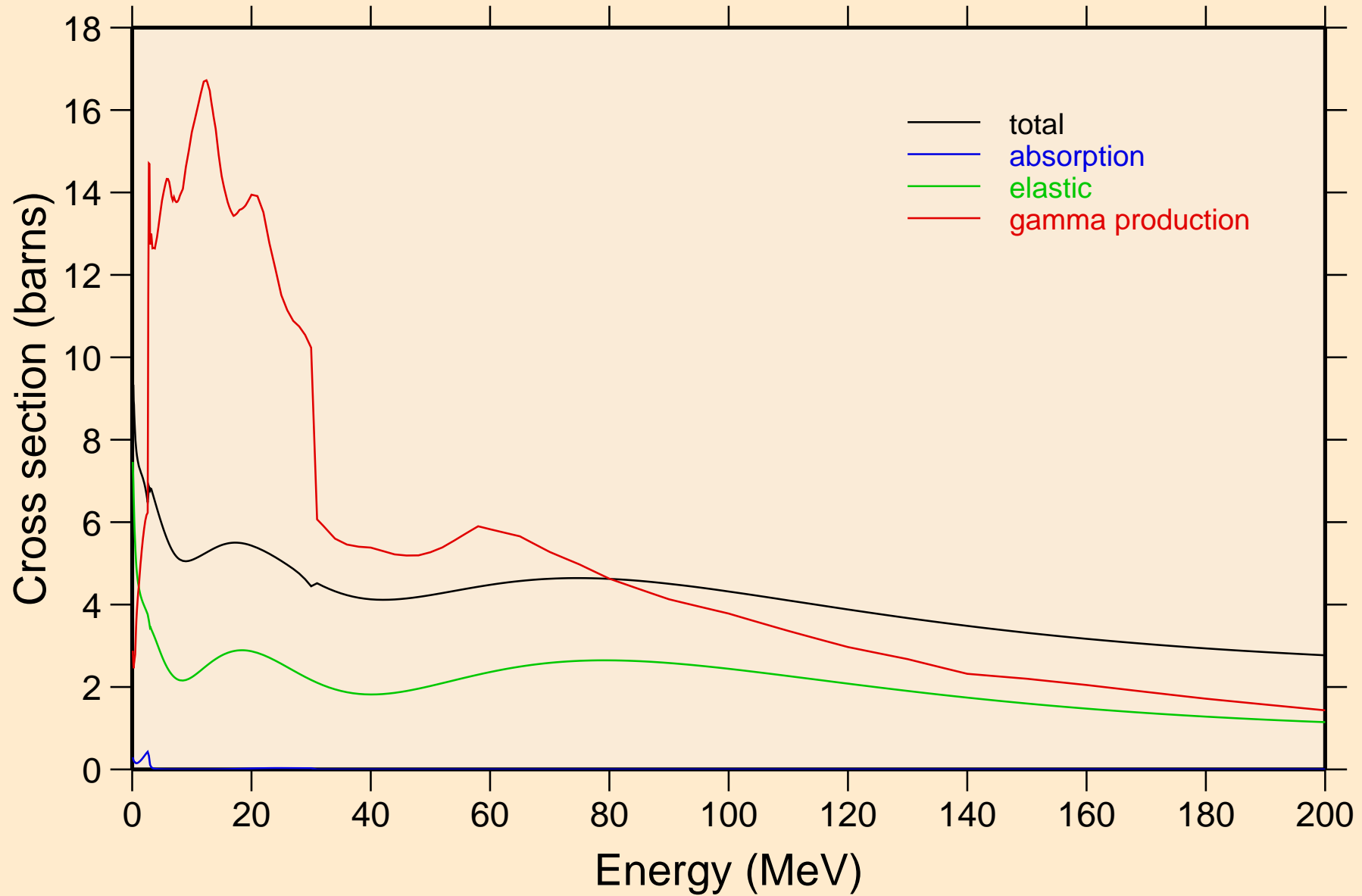
# HF182M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Non-threshold reactions

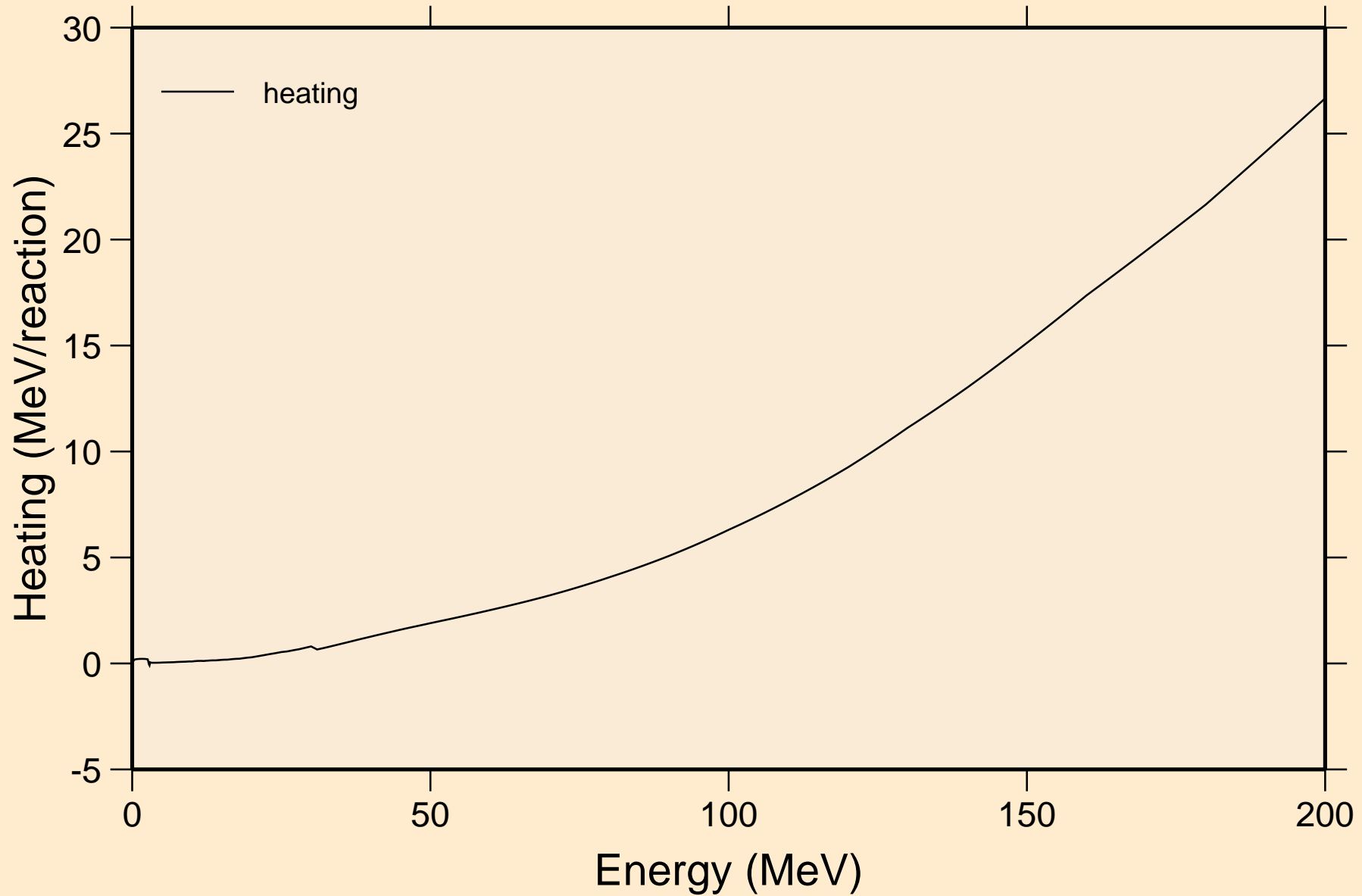


# HF182M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

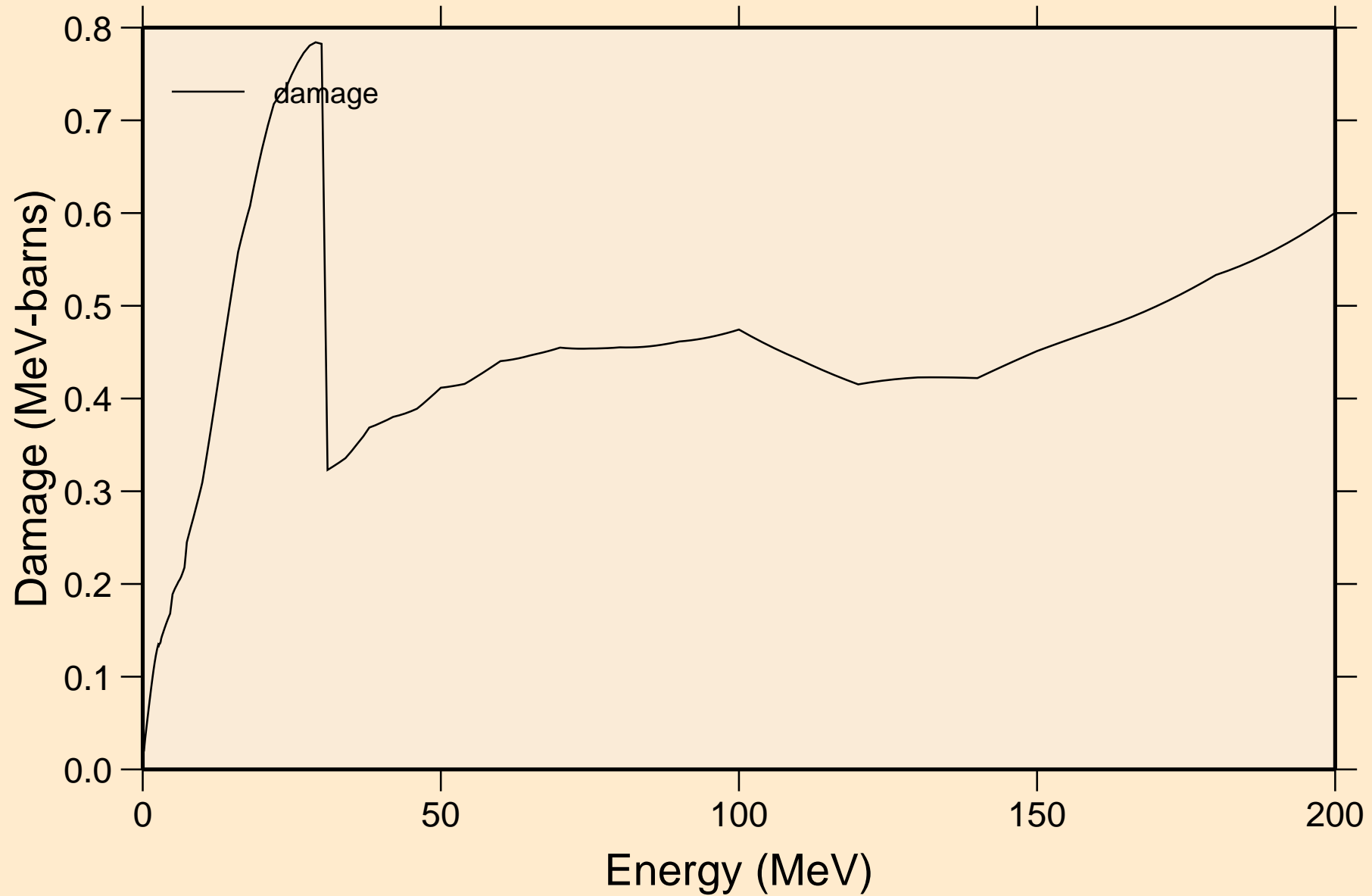
## Principal cross sections



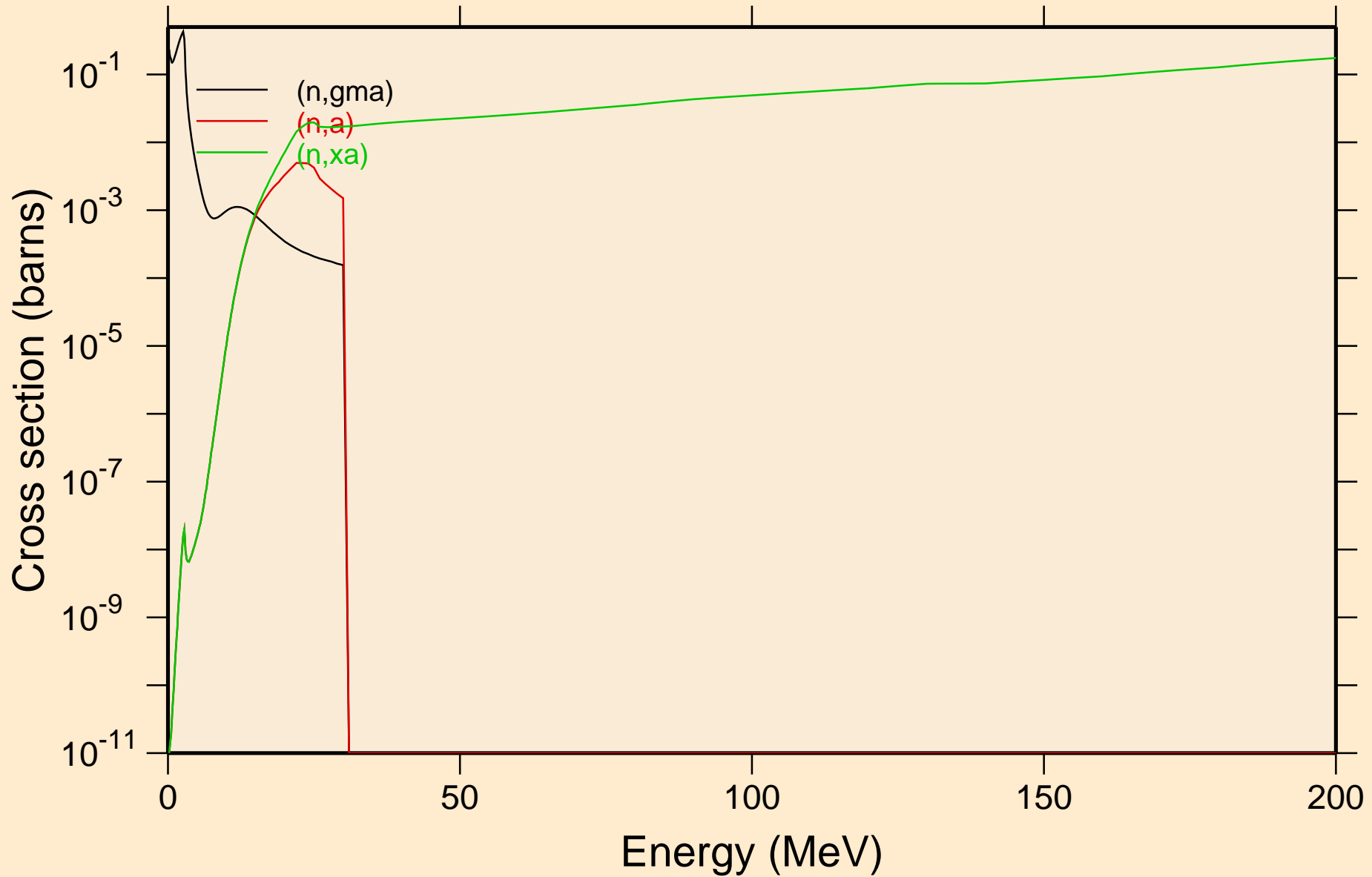
HF182M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Heating



# HF182M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K Damage

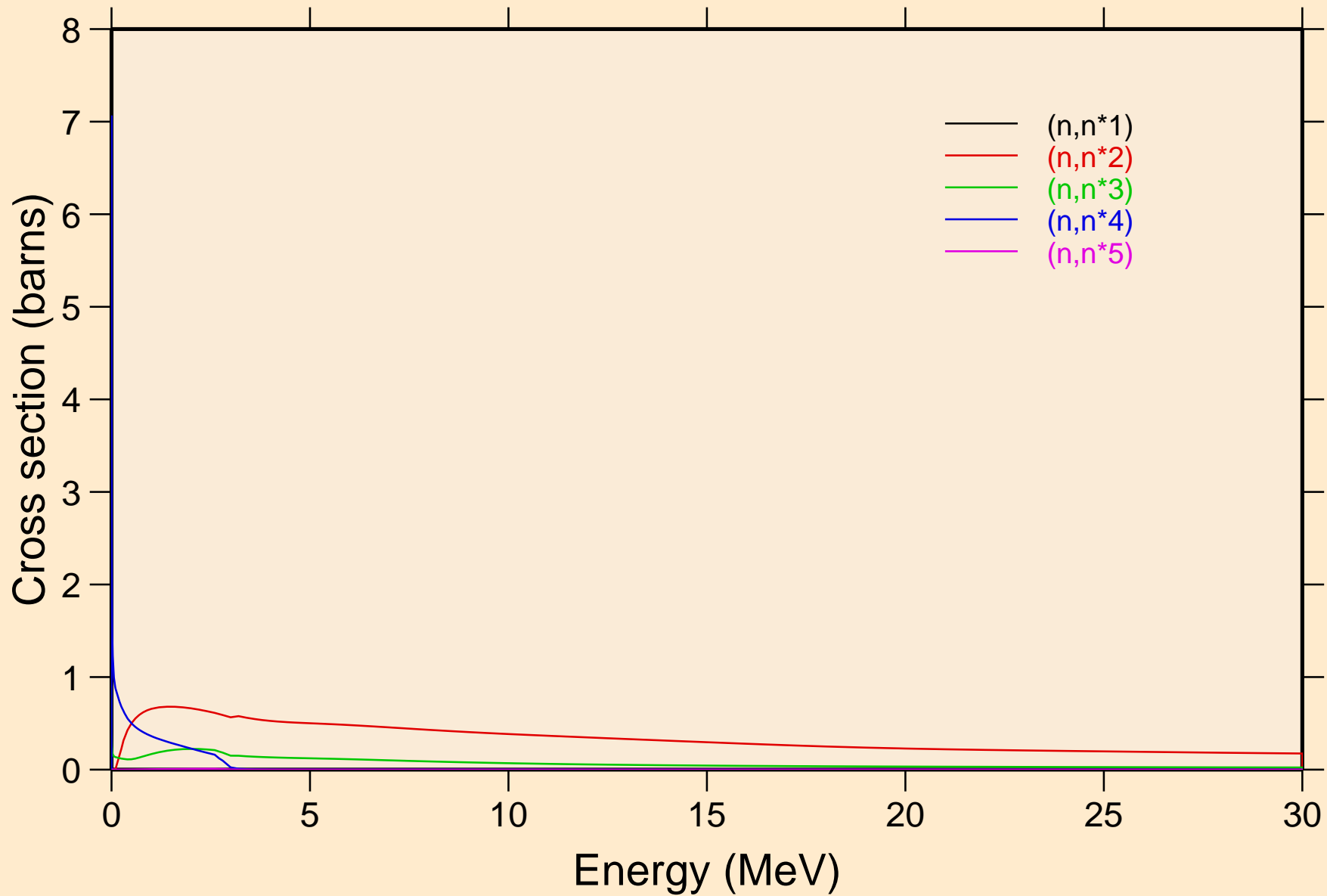


HF182M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions

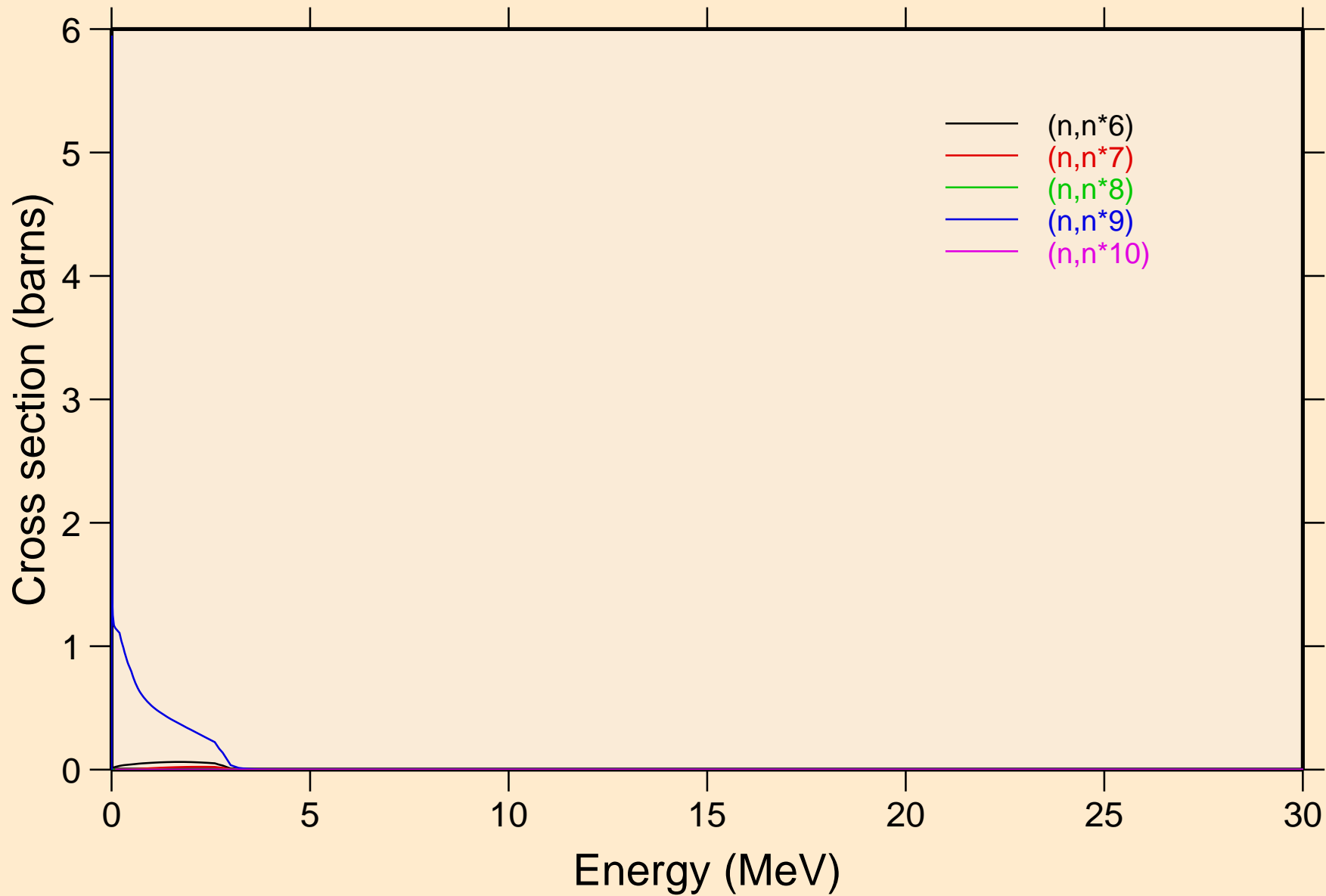




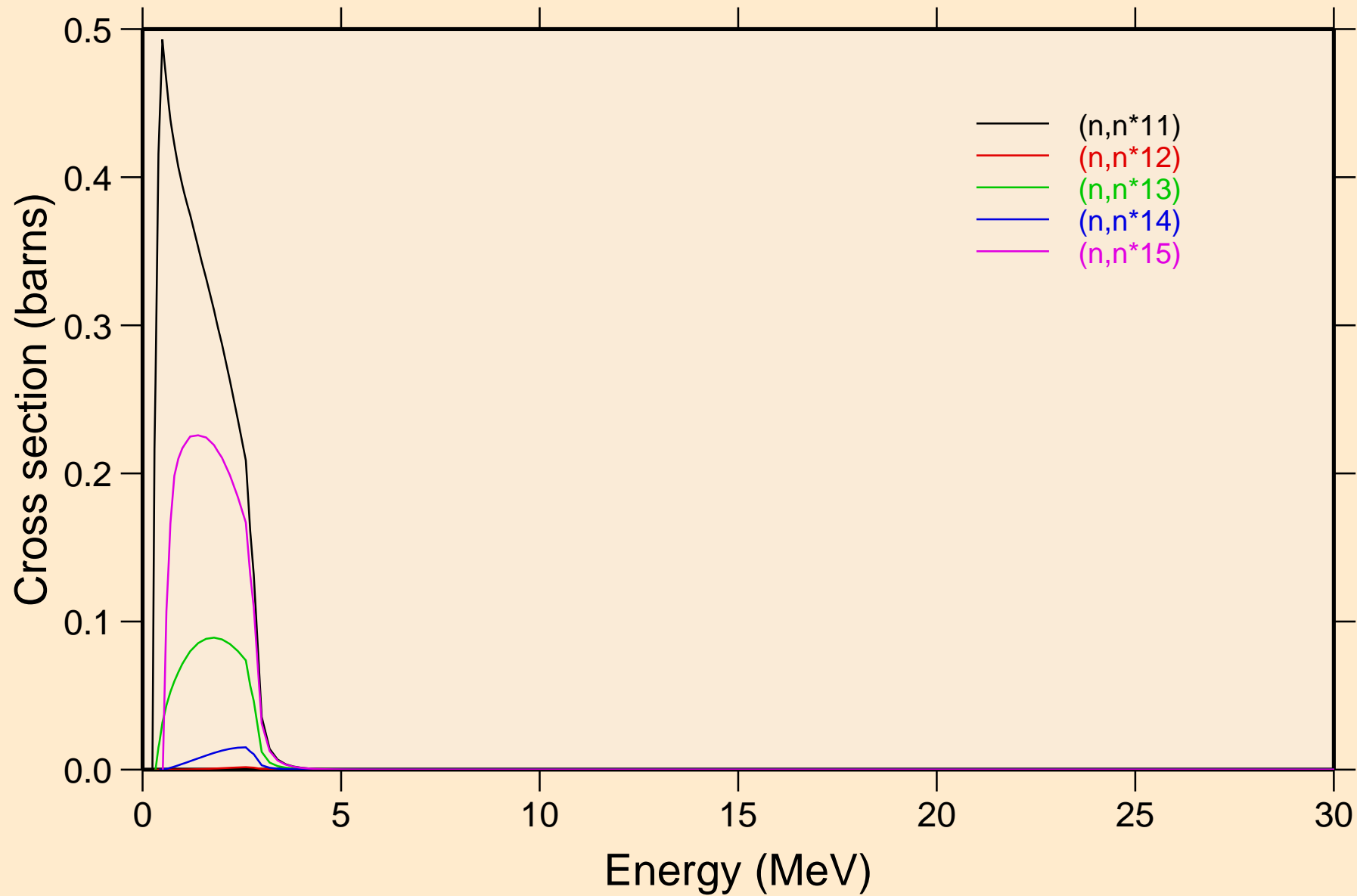
HF182M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



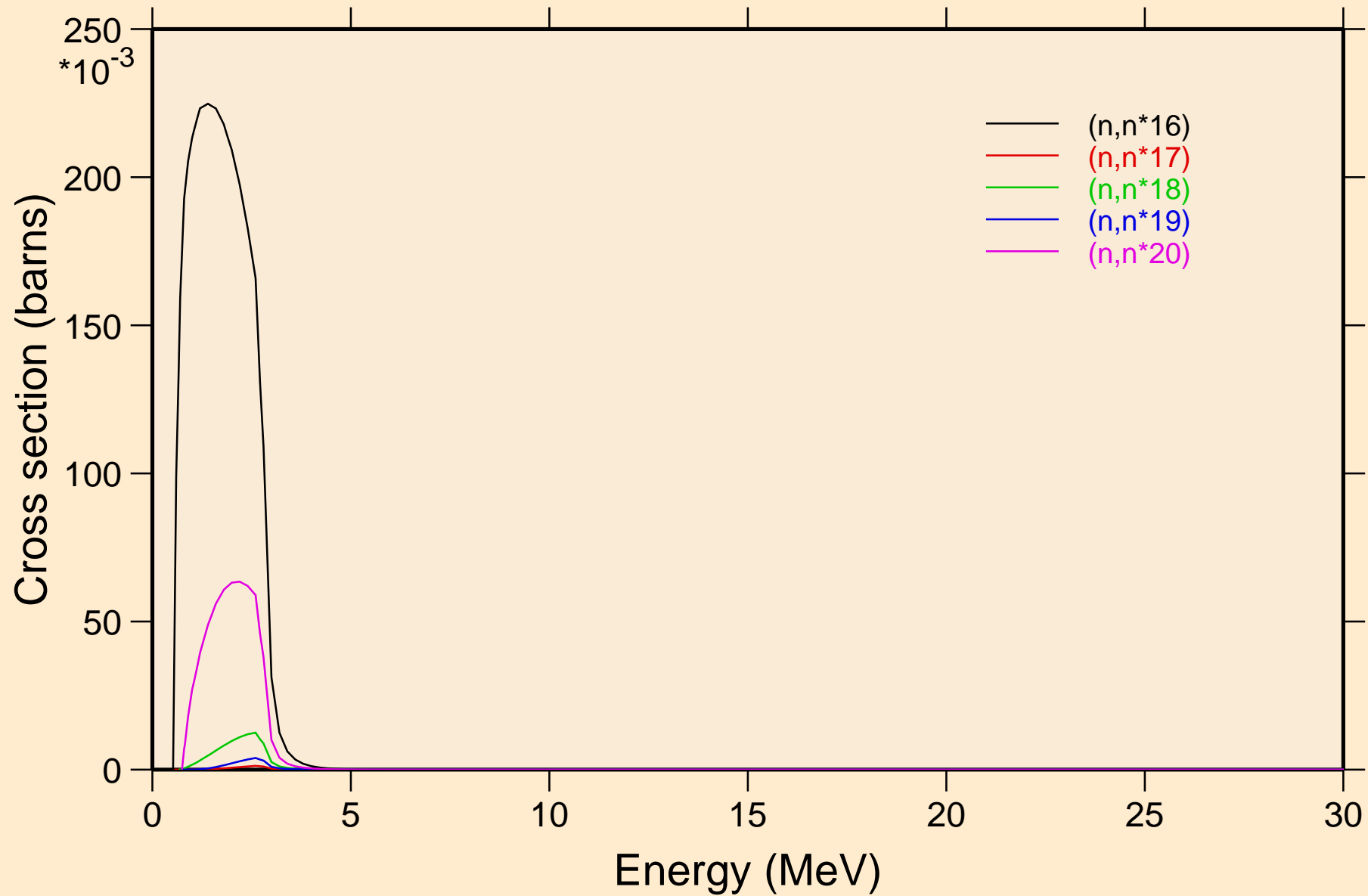
HF182M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



HF182M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels

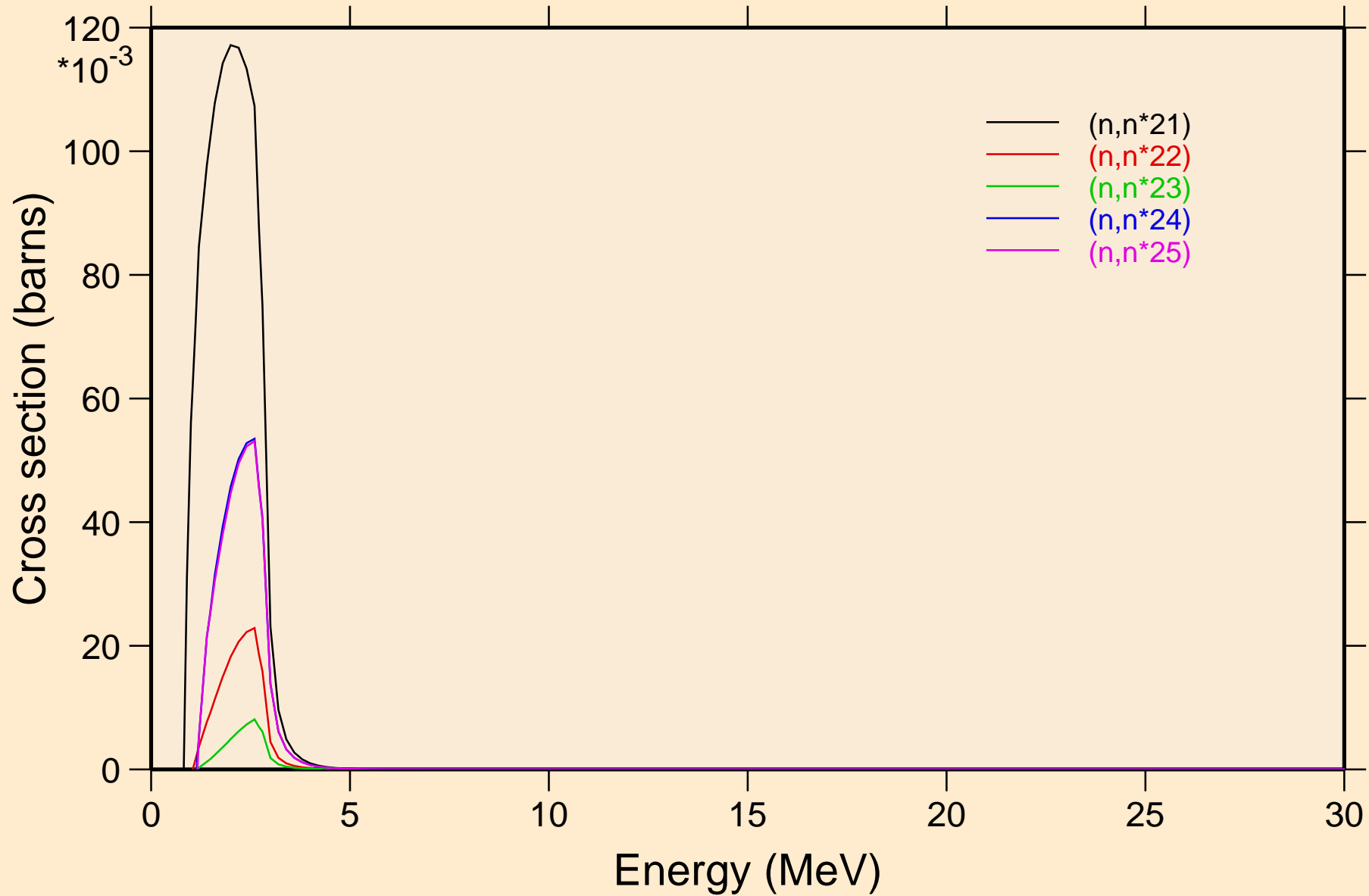


HF182M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels

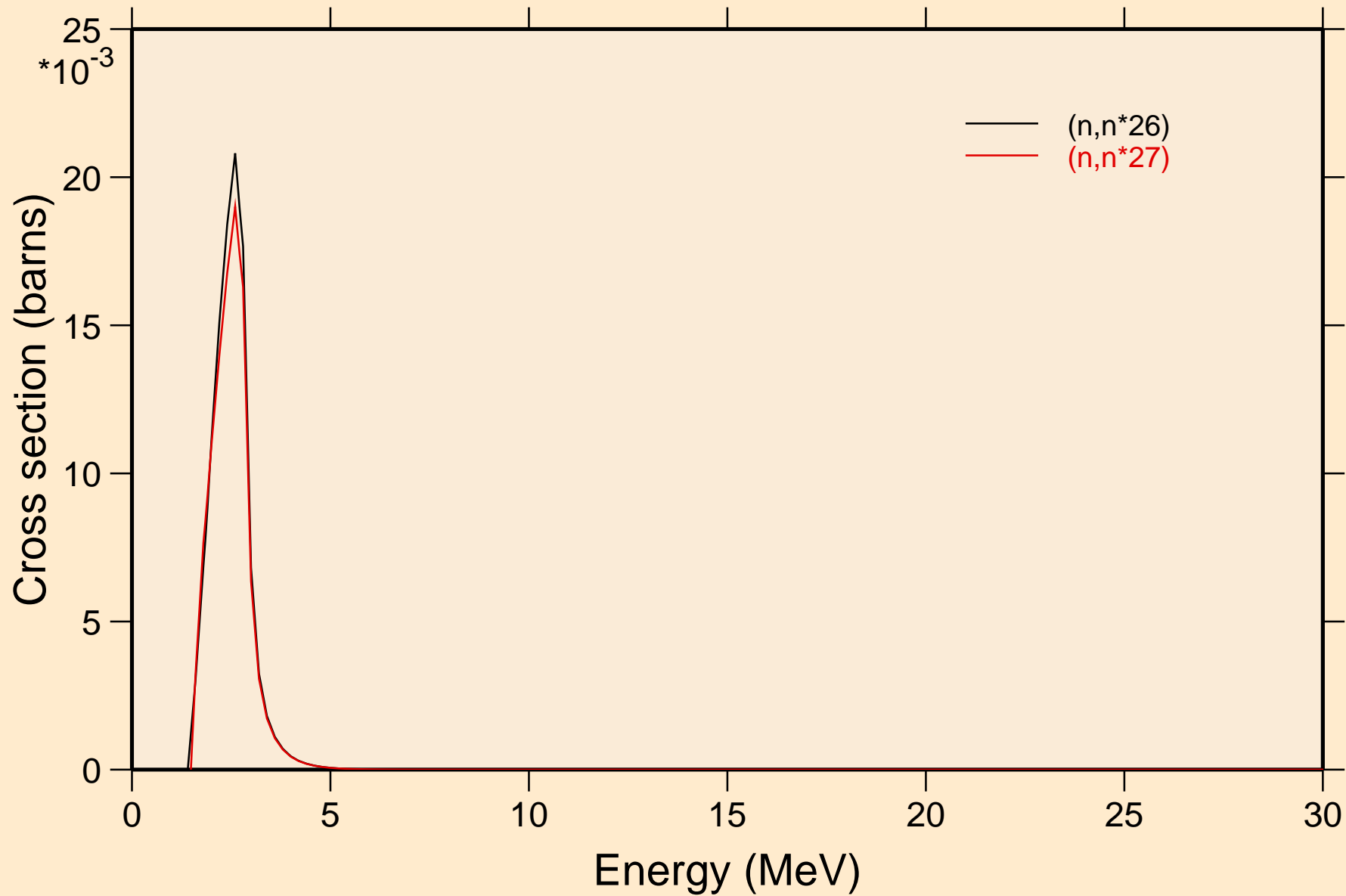


# HF182M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Inelastic levels

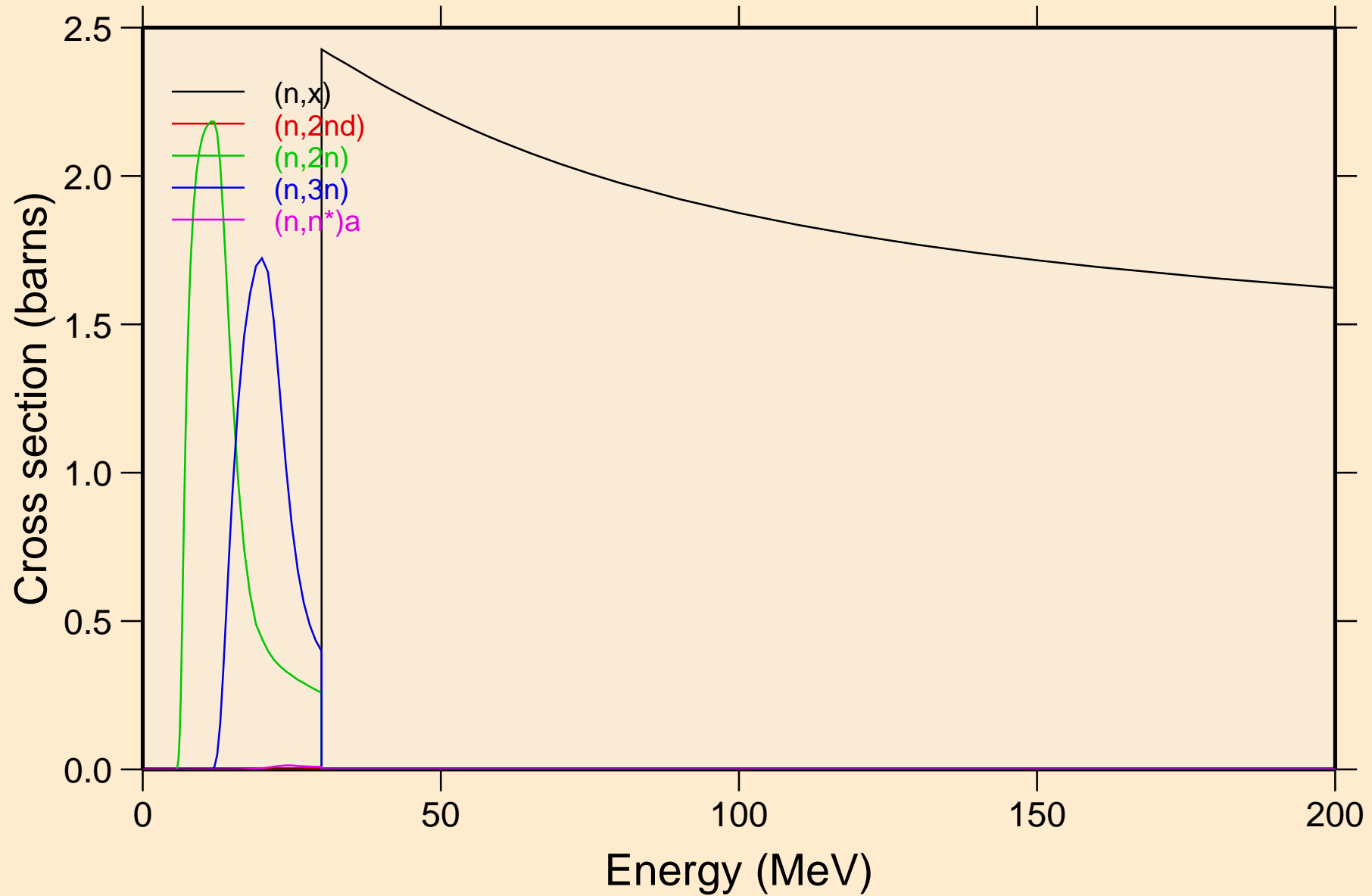


HF182M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels

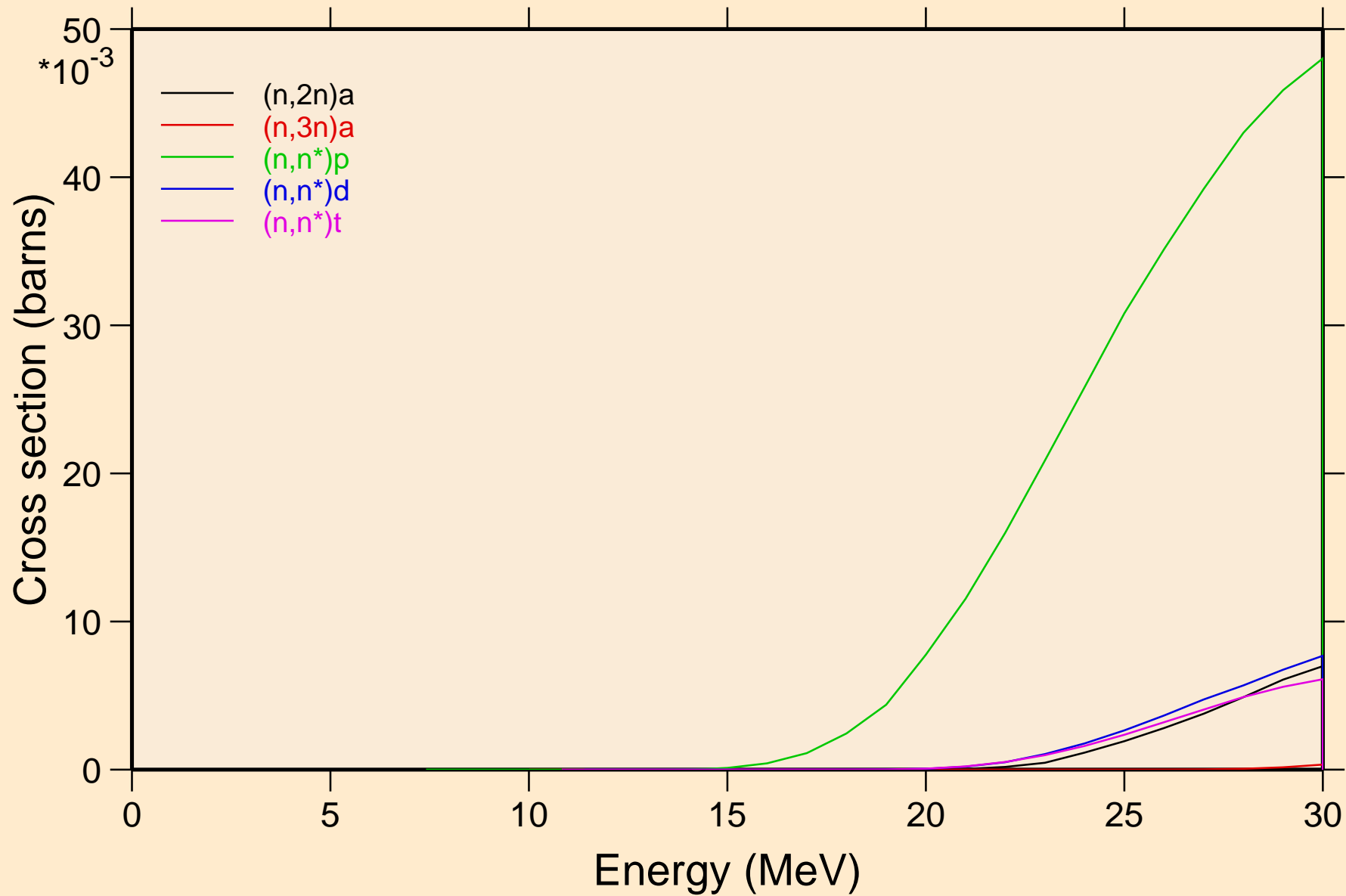


# HF182M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Threshold reactions

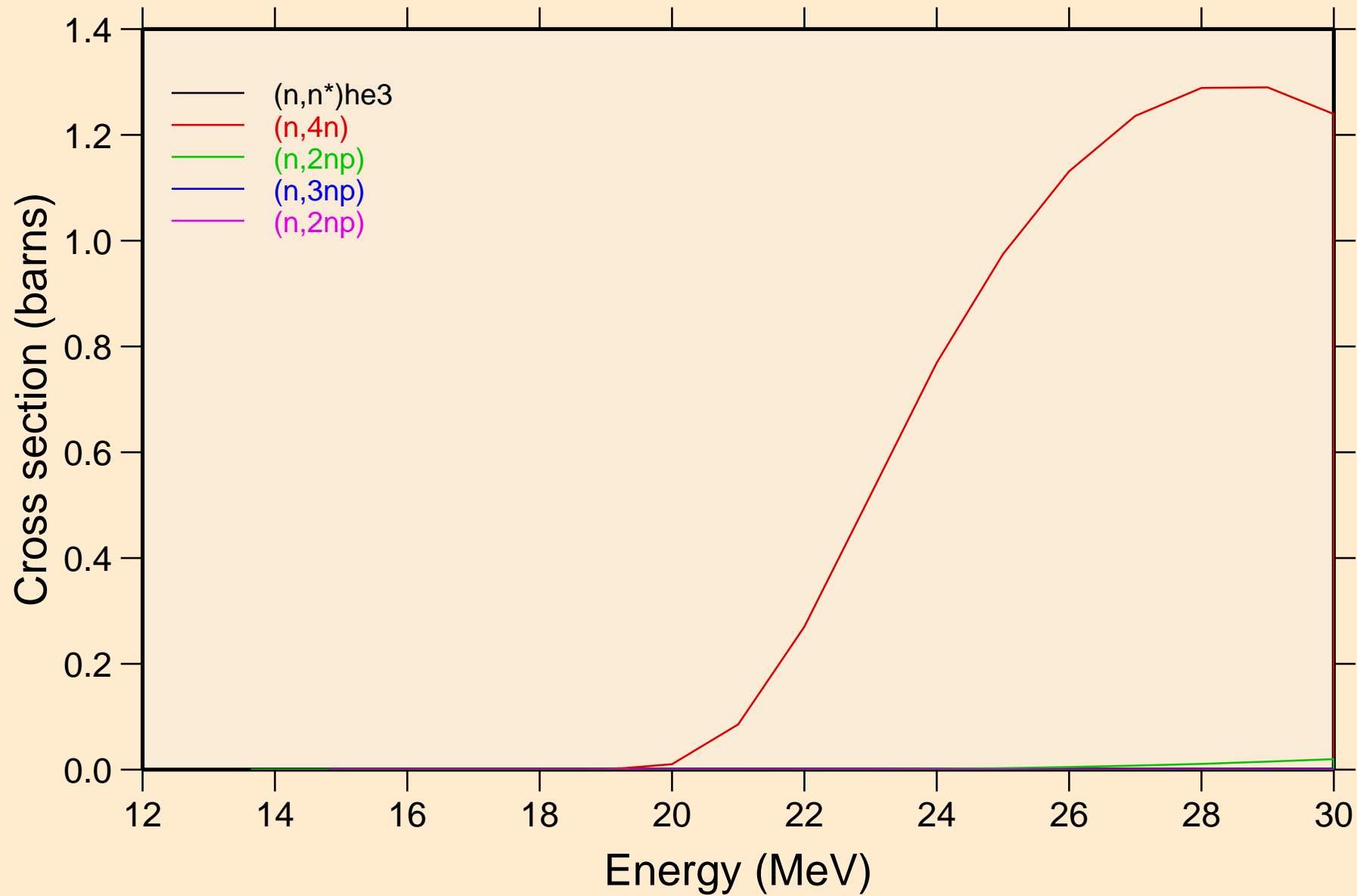


HF182M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions

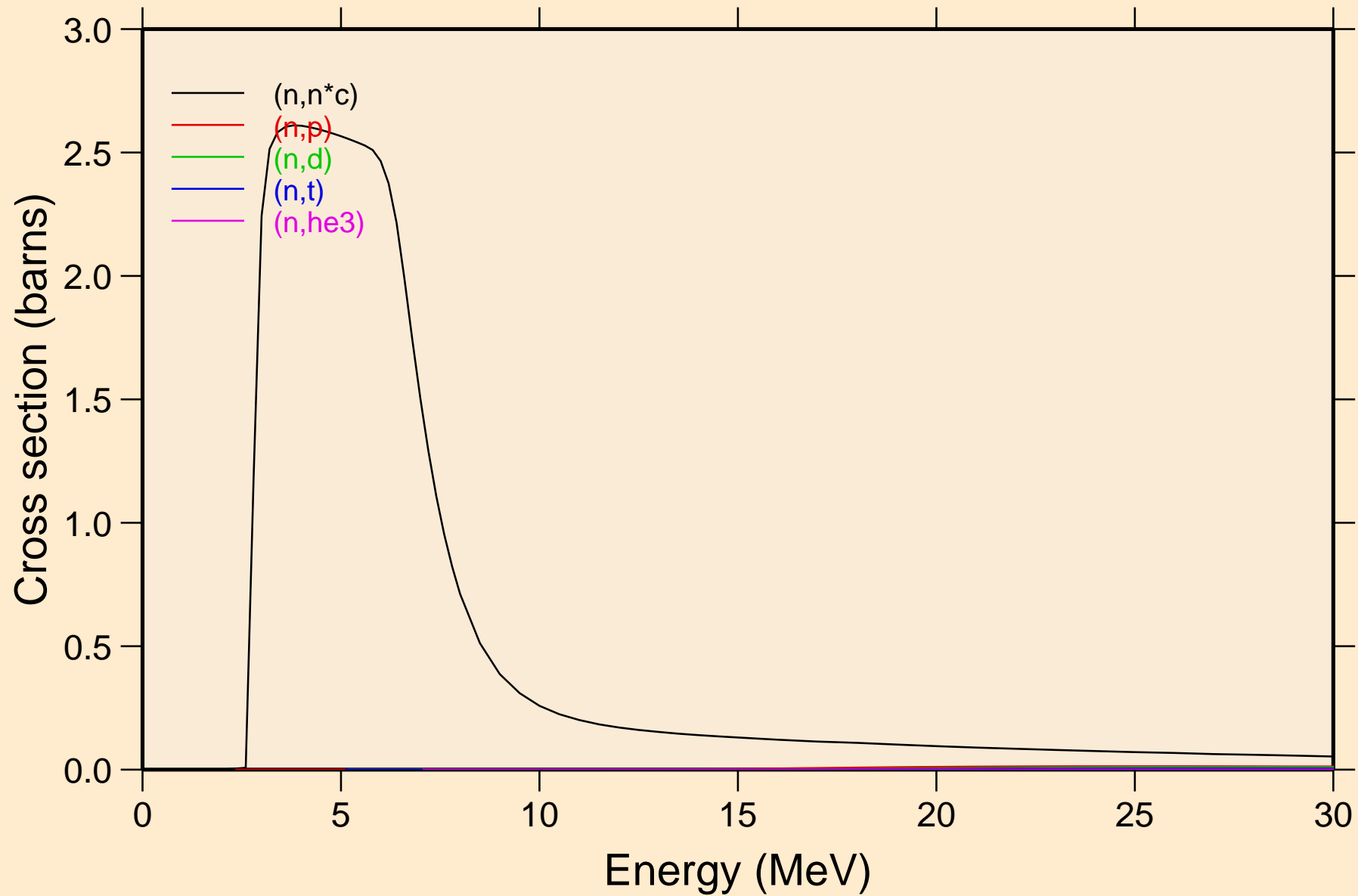




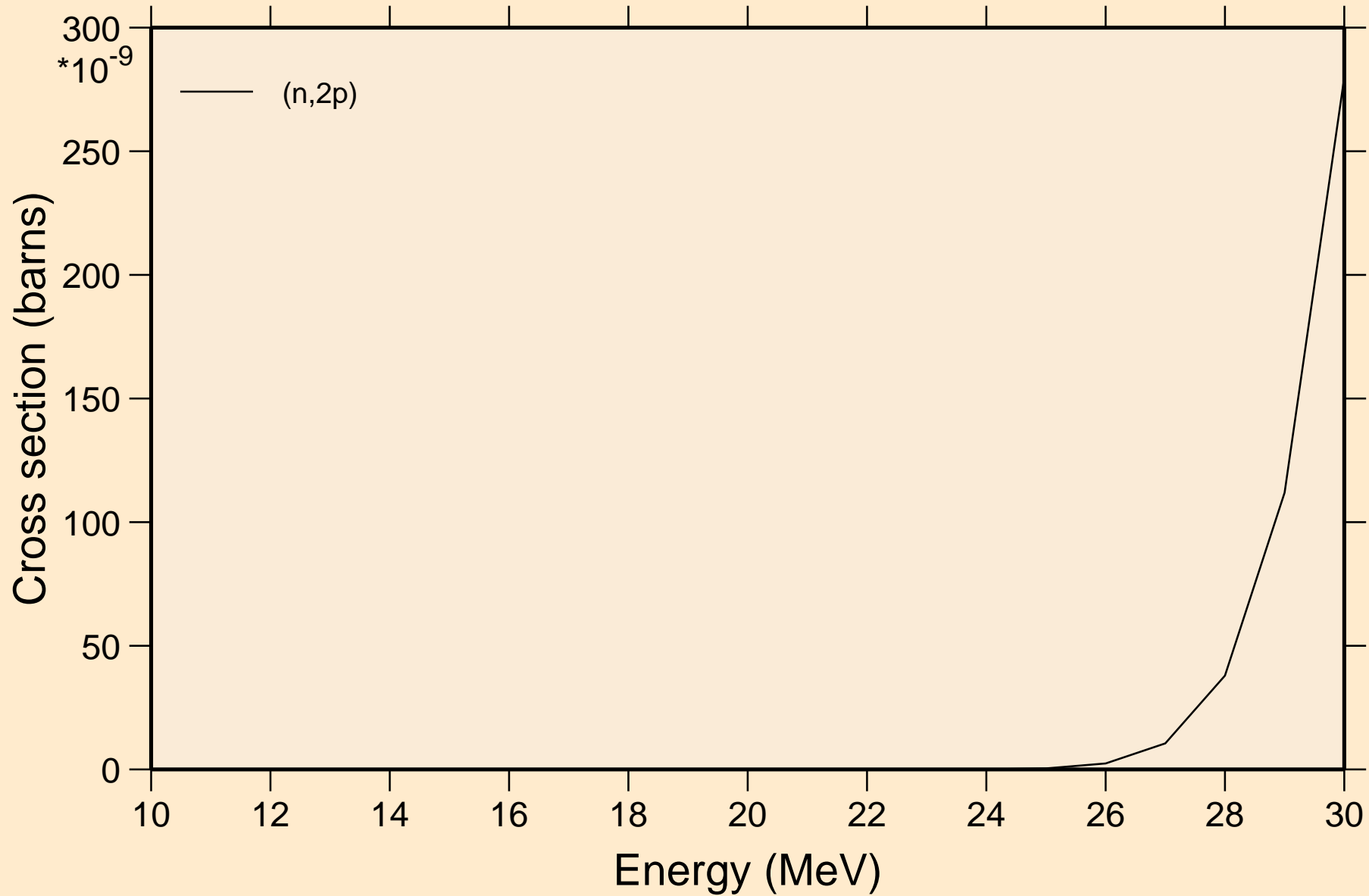
HF182M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



HF182M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions

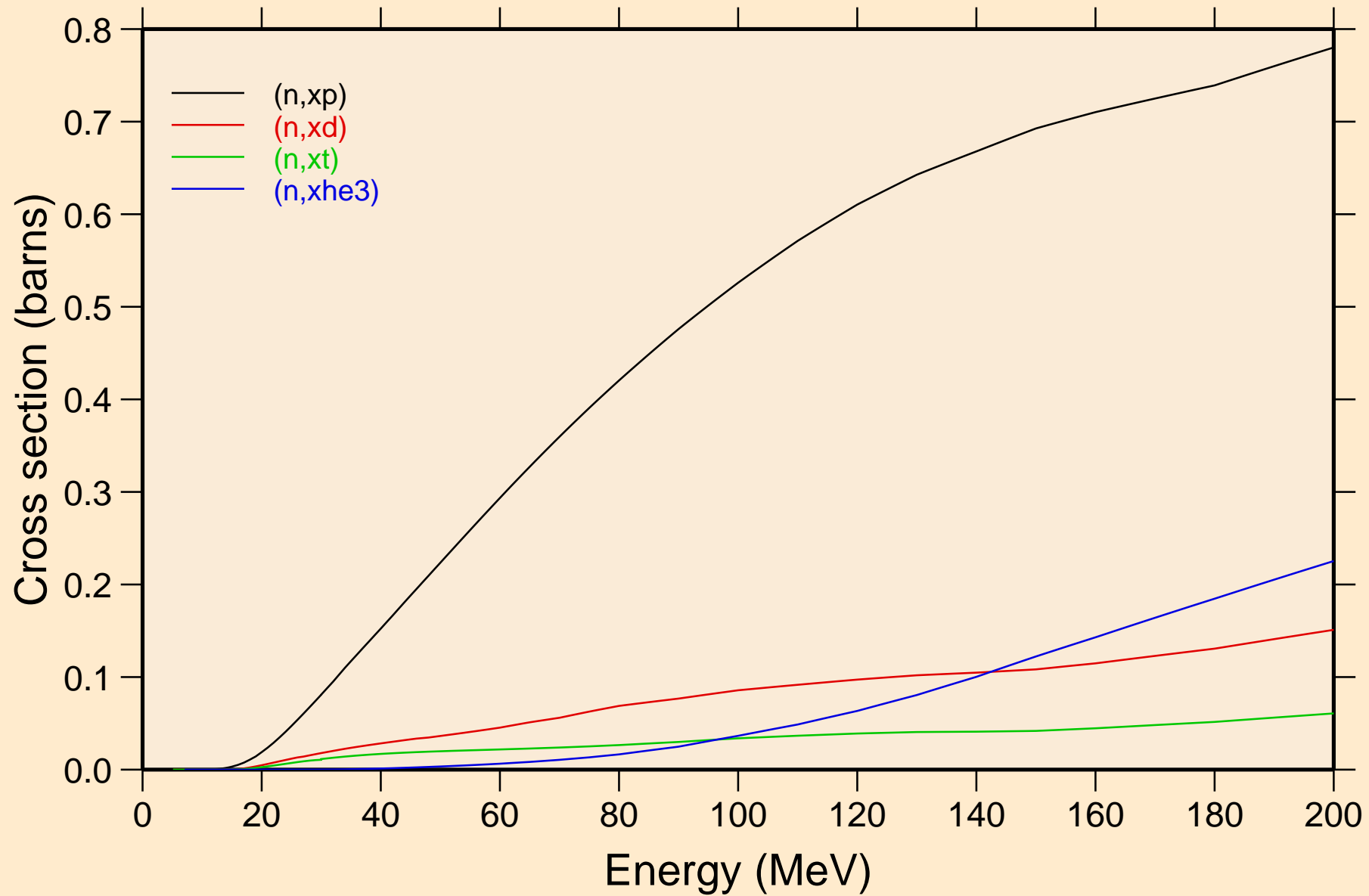


HF182M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions

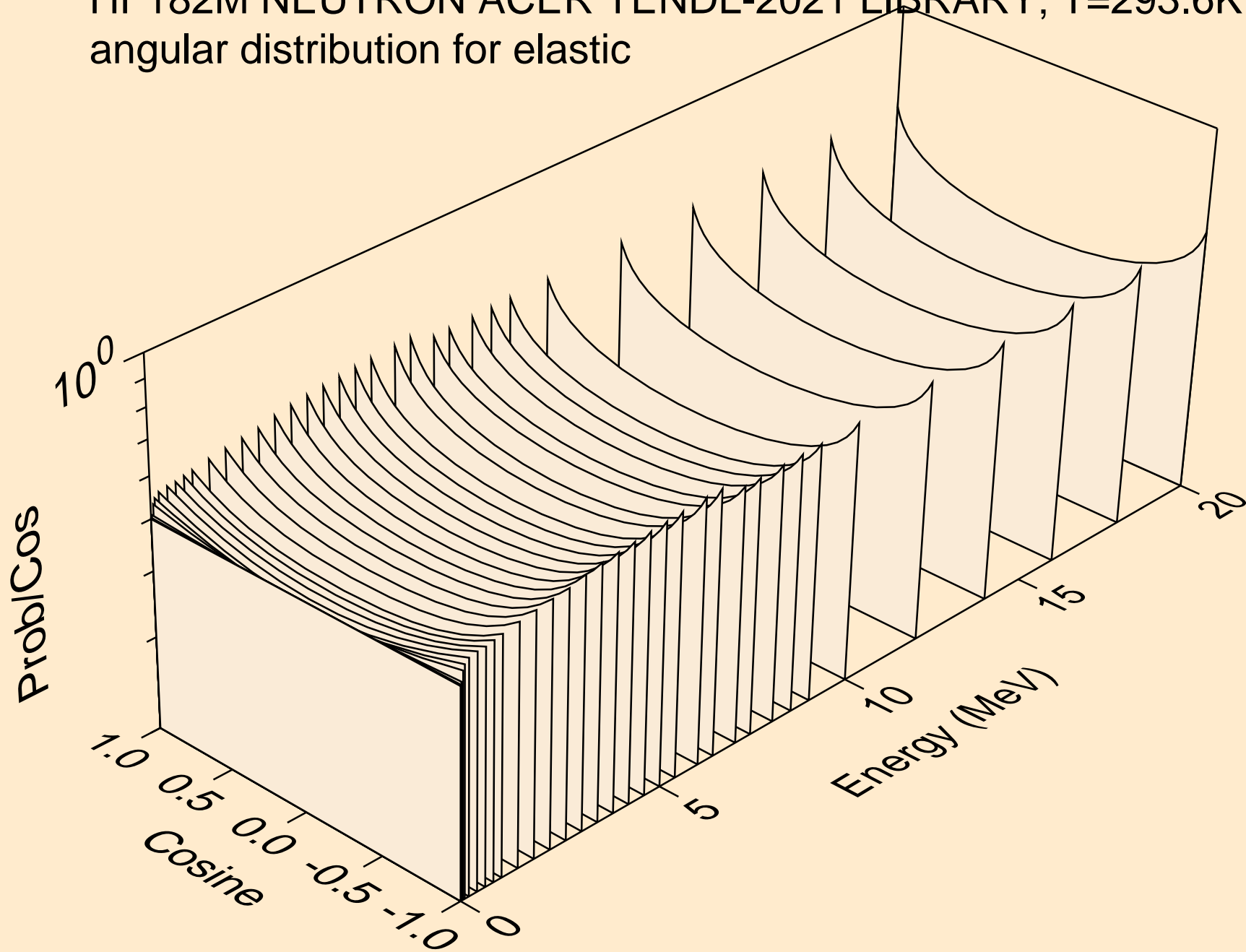


# HF182M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

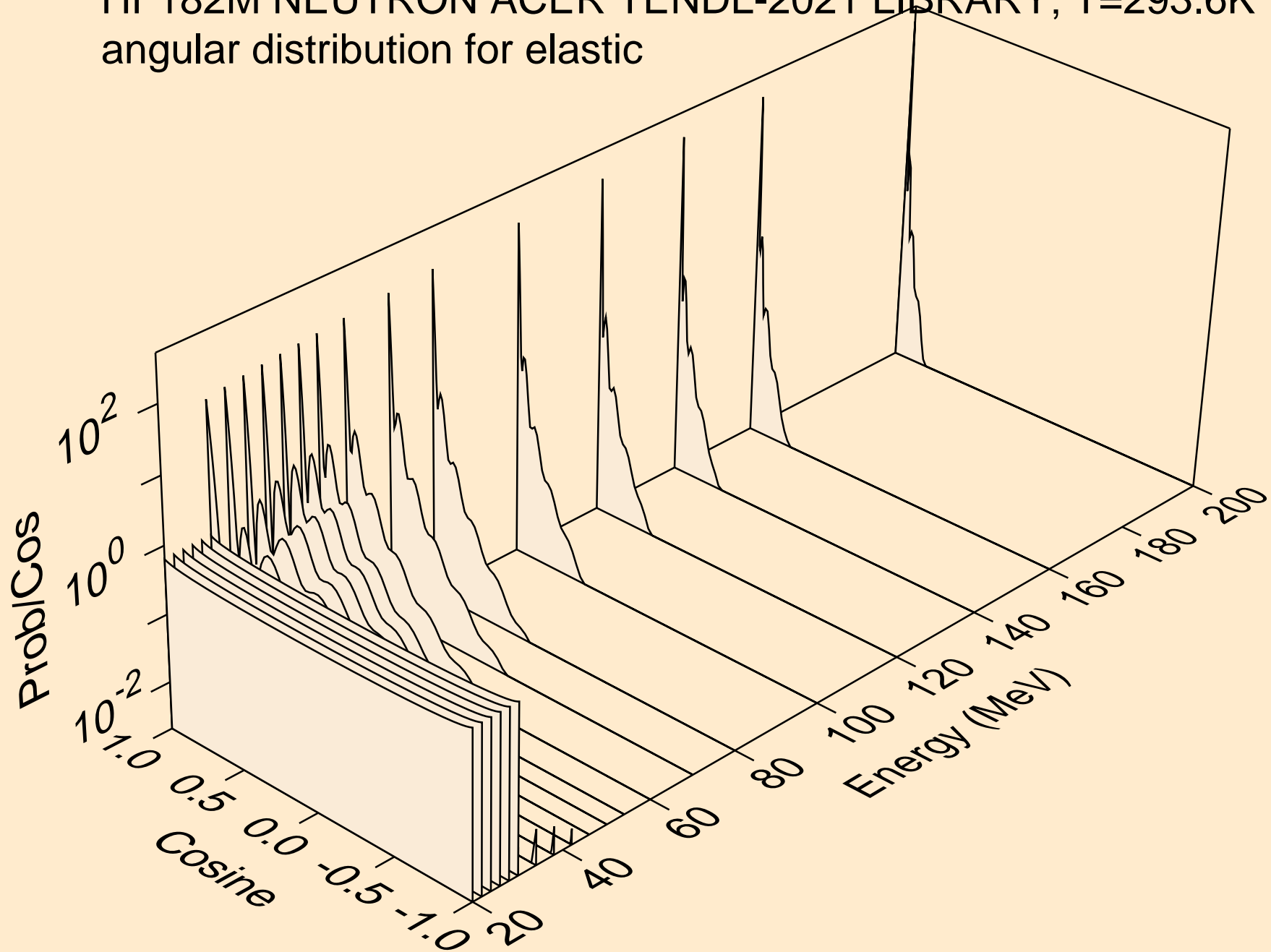
## Threshold reactions



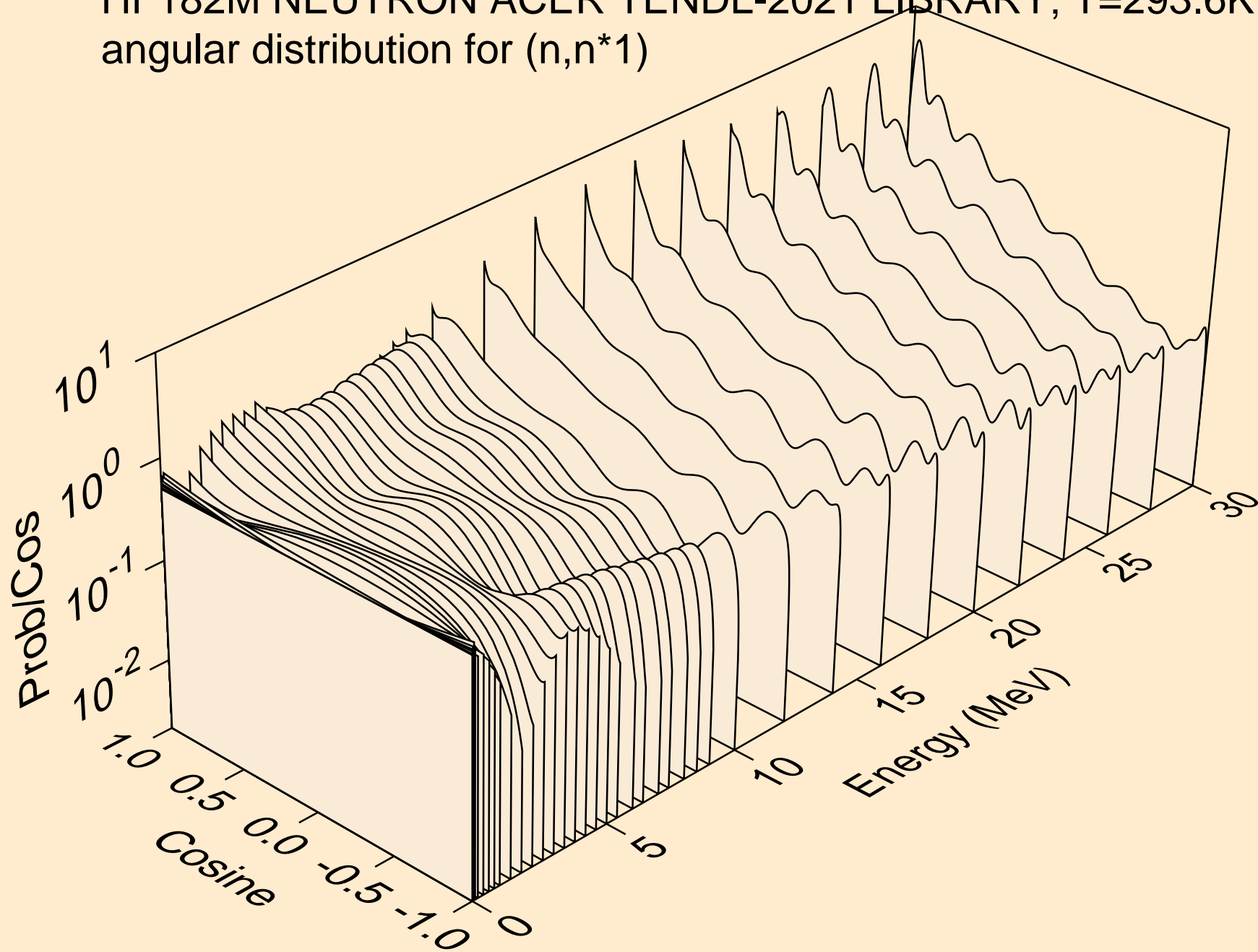
HF182M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for elastic



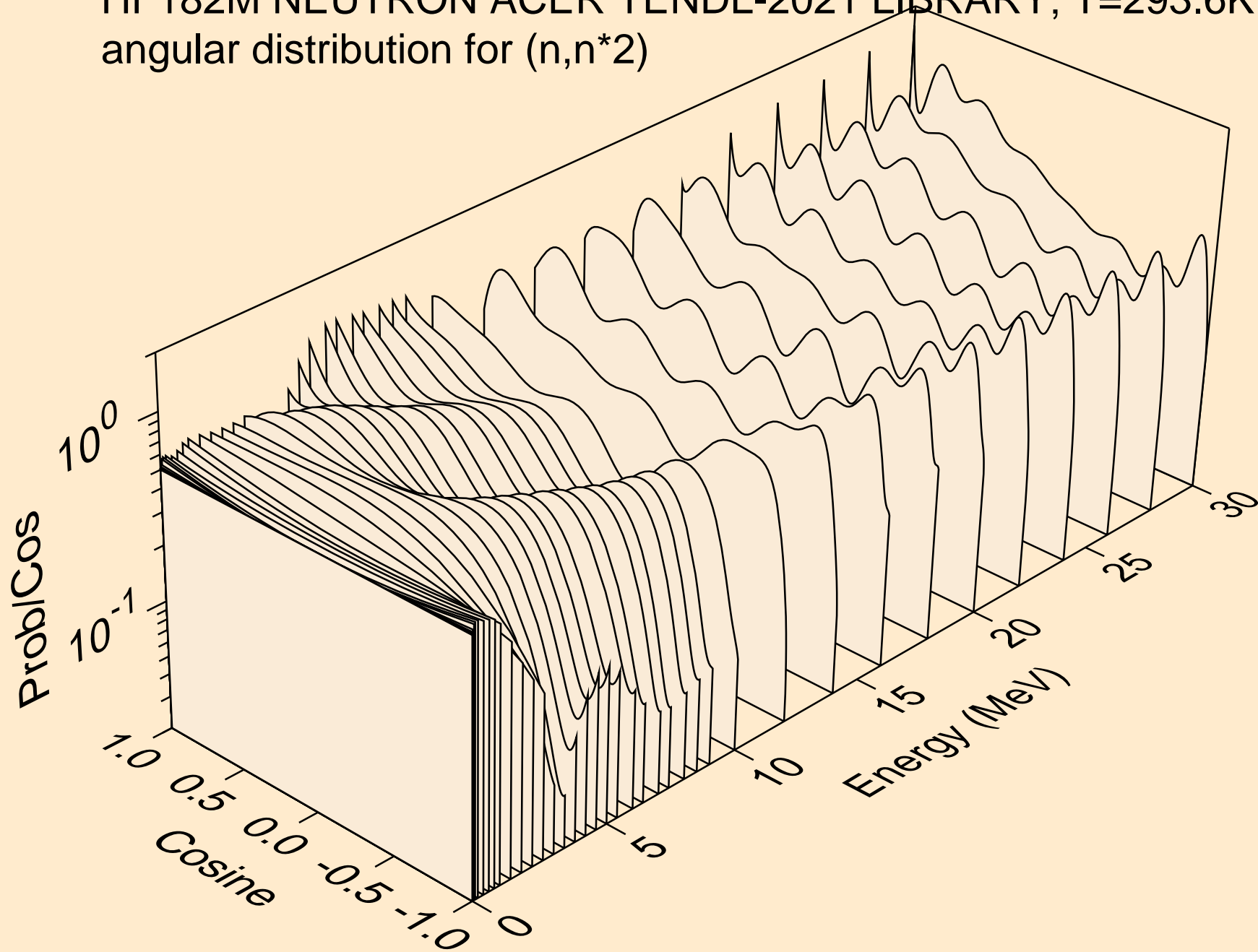
HF182M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for elastic



HF182M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*1)

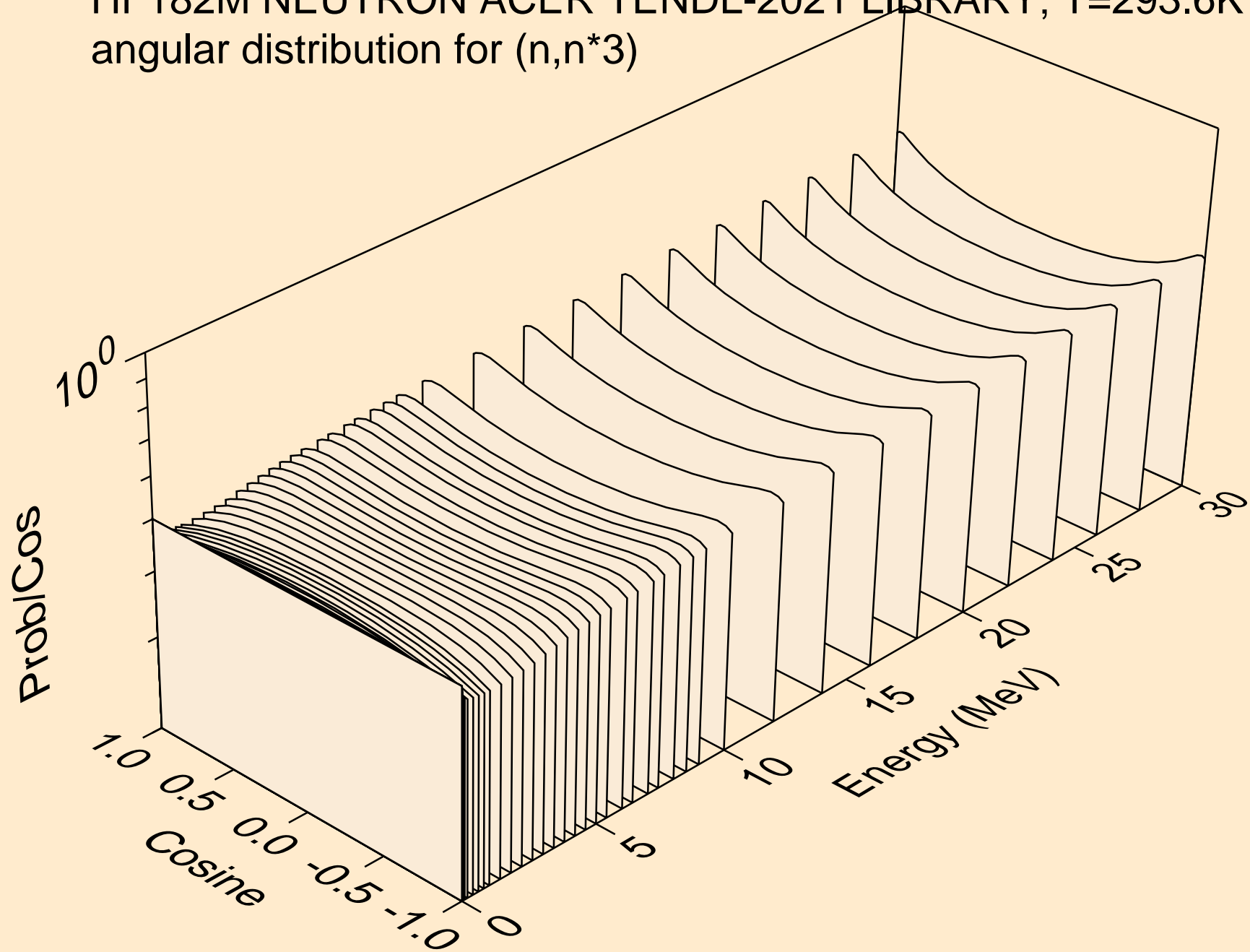


HF182M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*2)

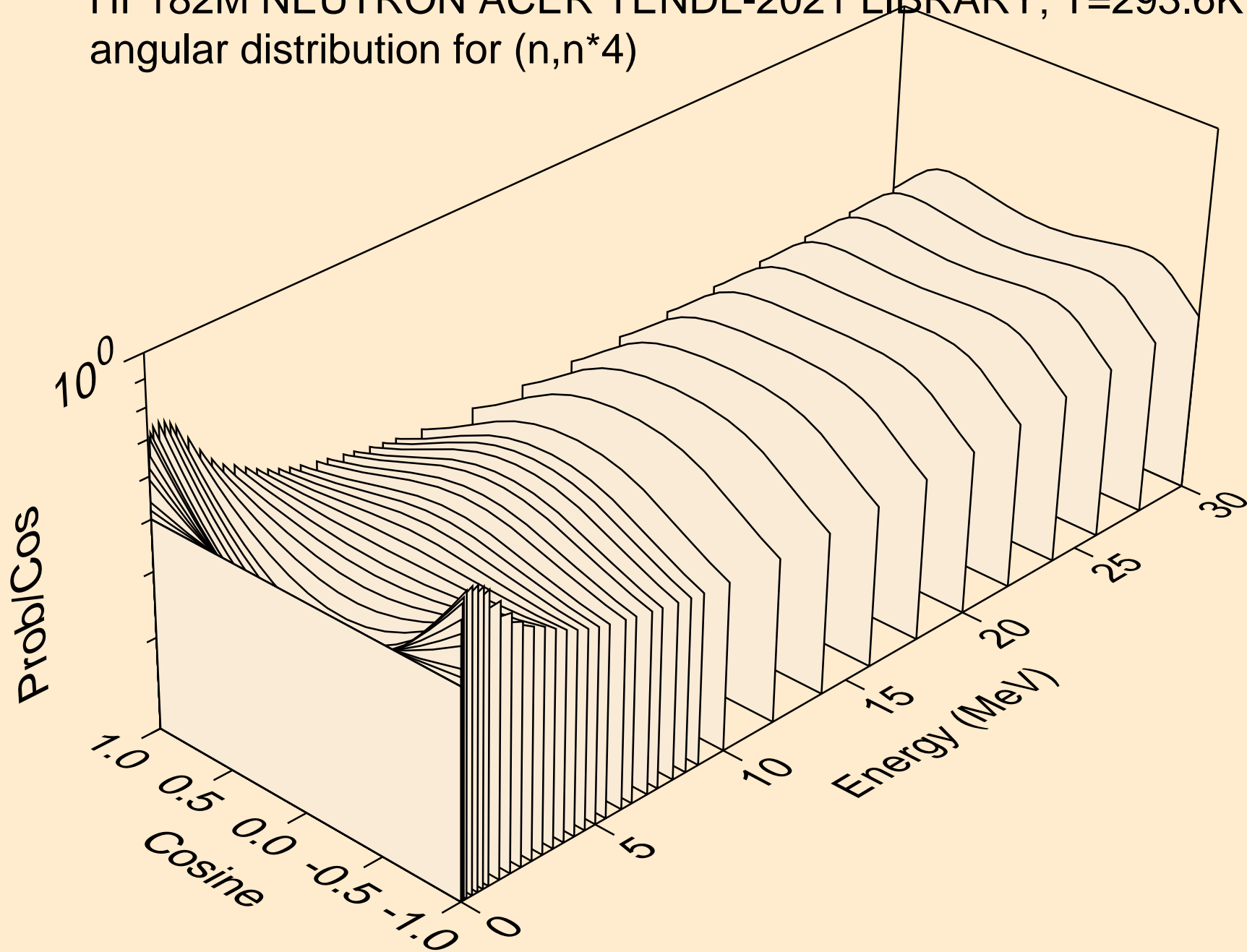




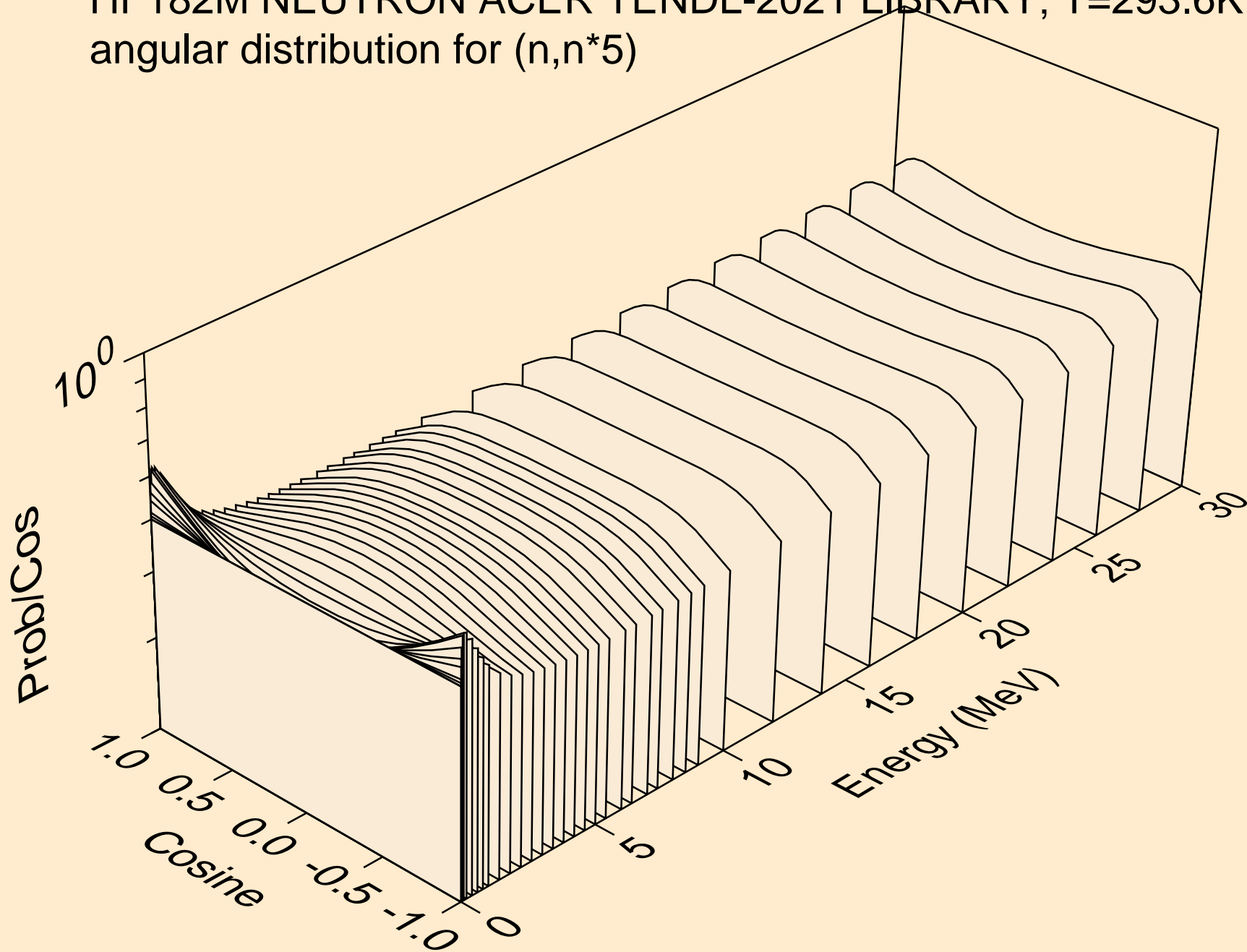
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angular distribution for (n,n\*3)



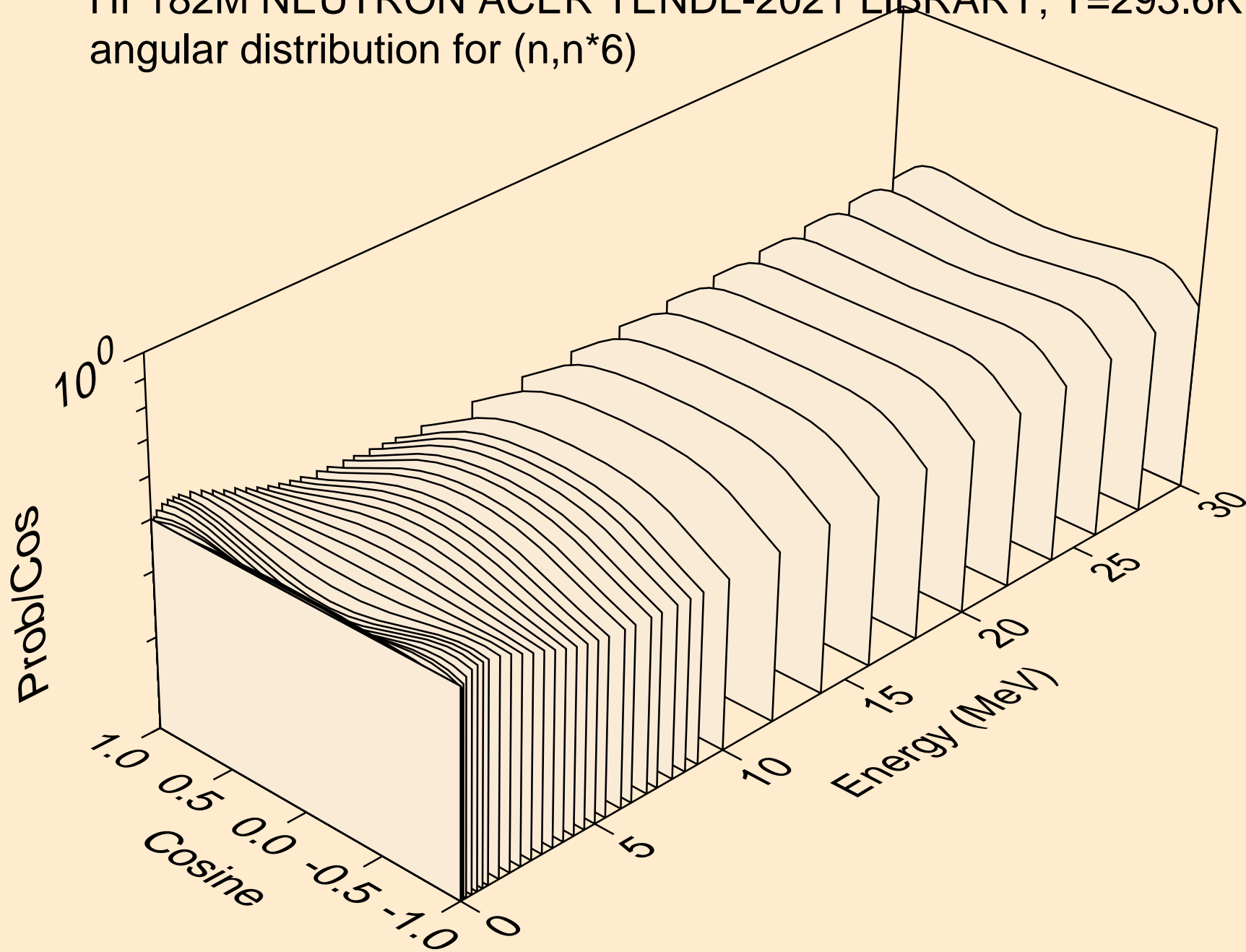
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angular distribution for (n,n\*4)



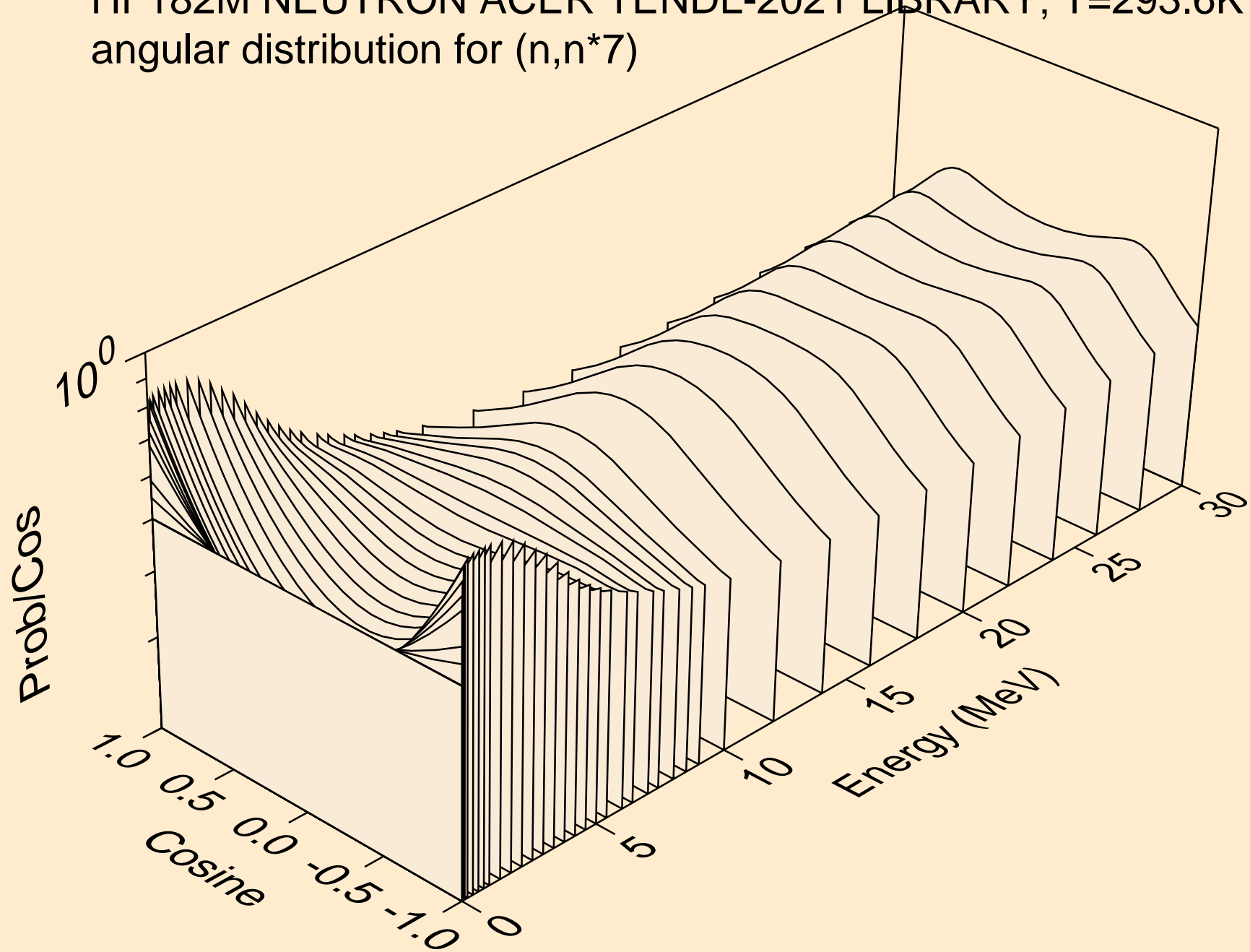
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angular distribution for (n,n\*5)



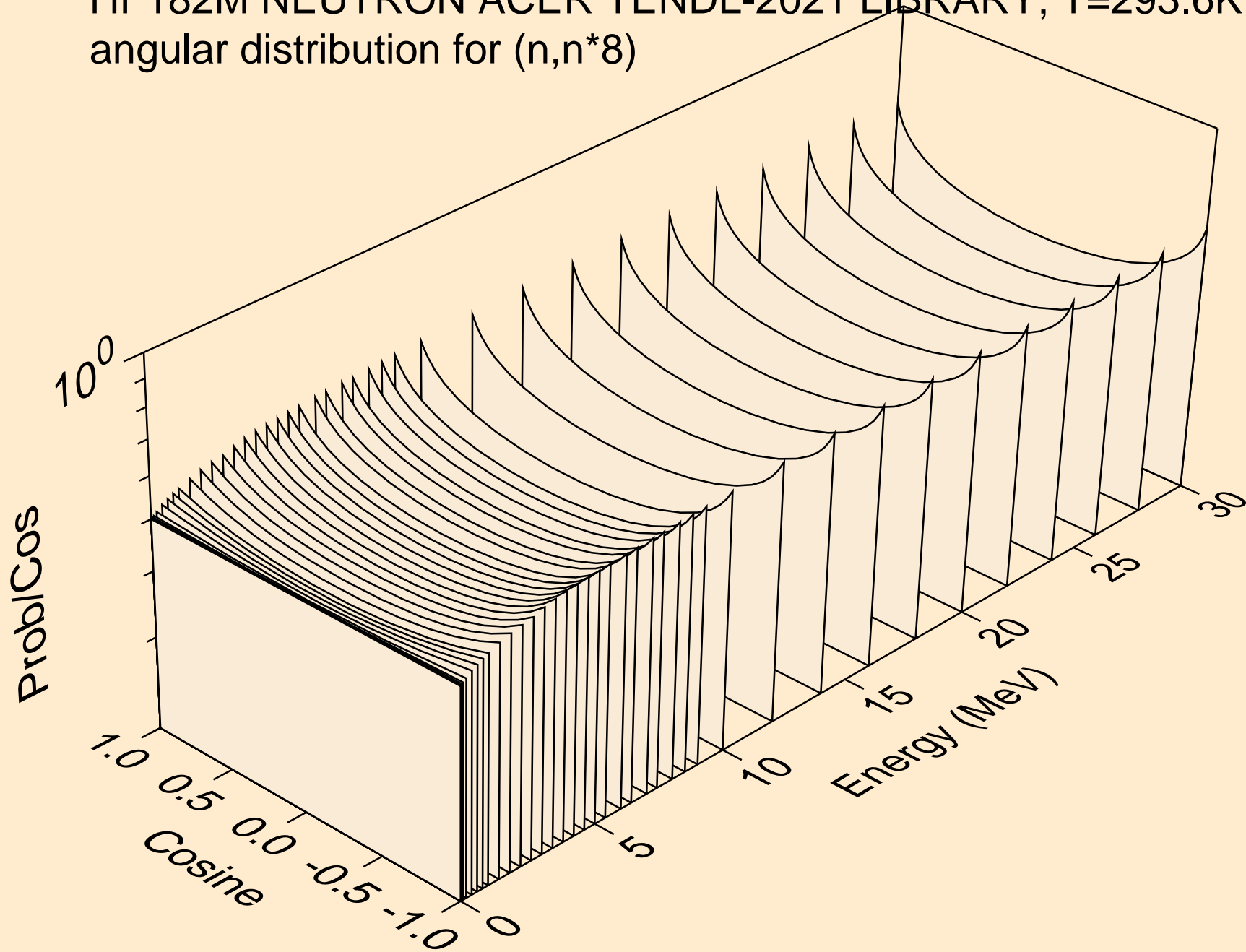
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angular distribution for (n,n\*6)



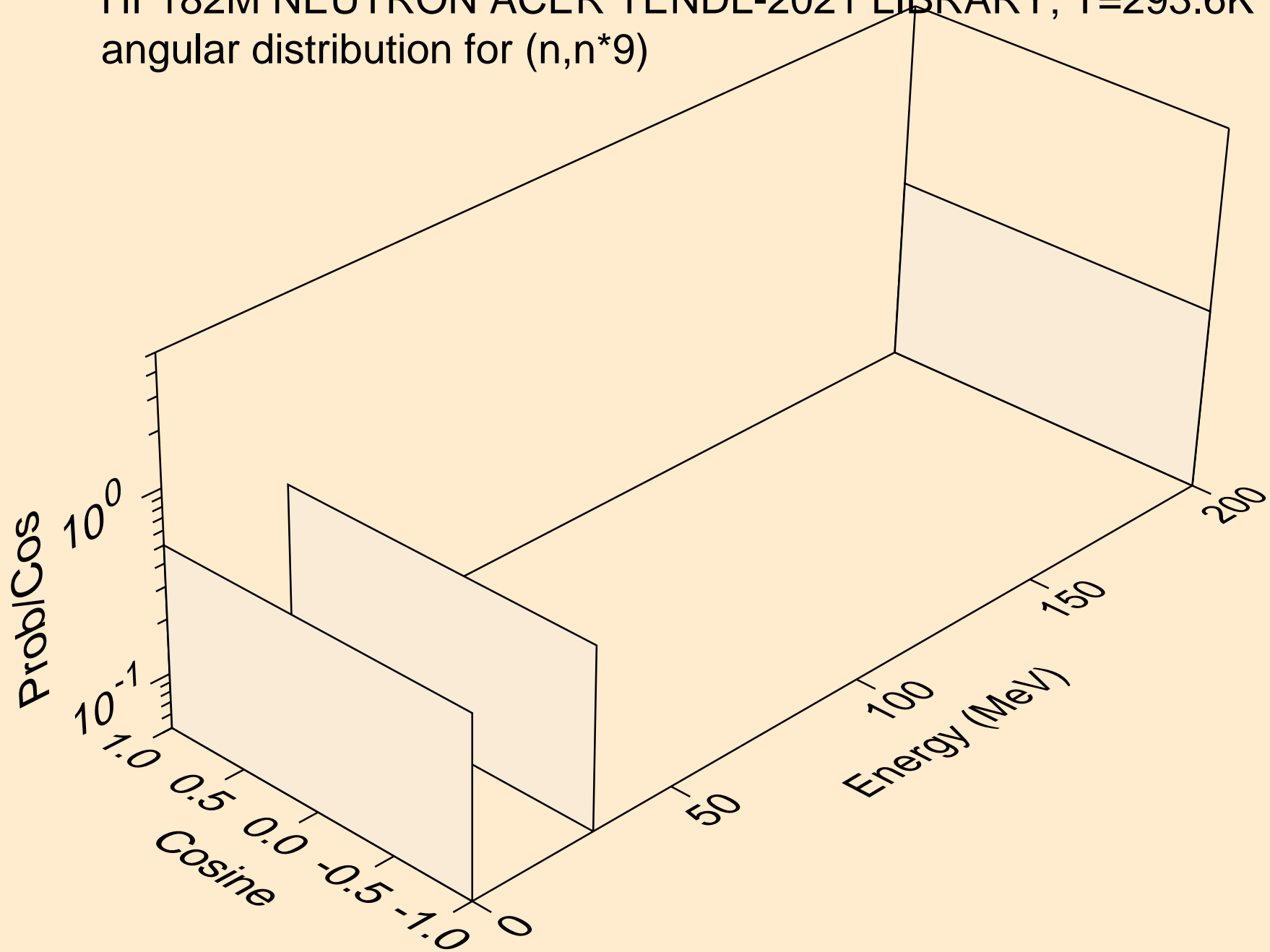
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angular distribution for (n,n\*7)



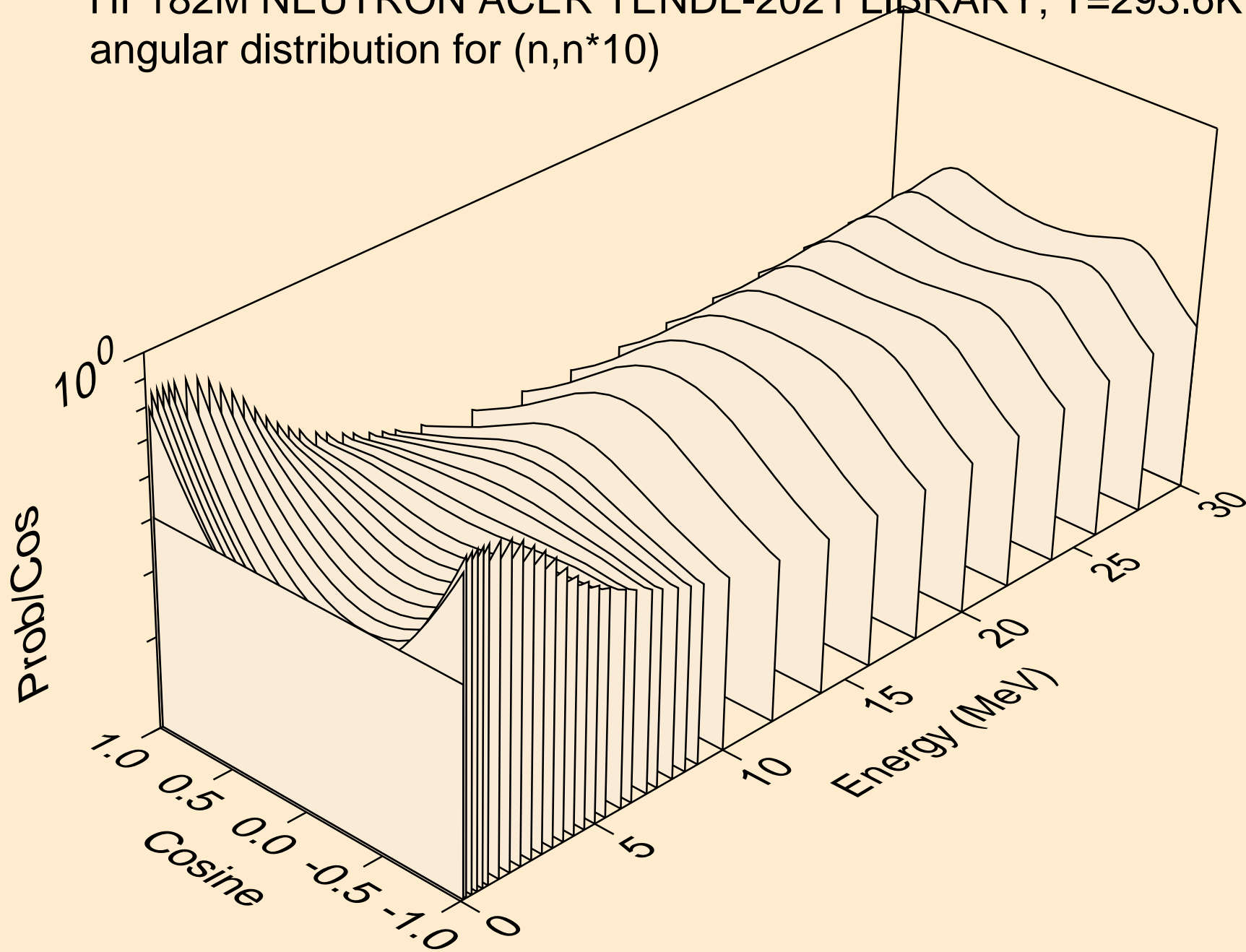
HF182M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*8)



HF182M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*9)

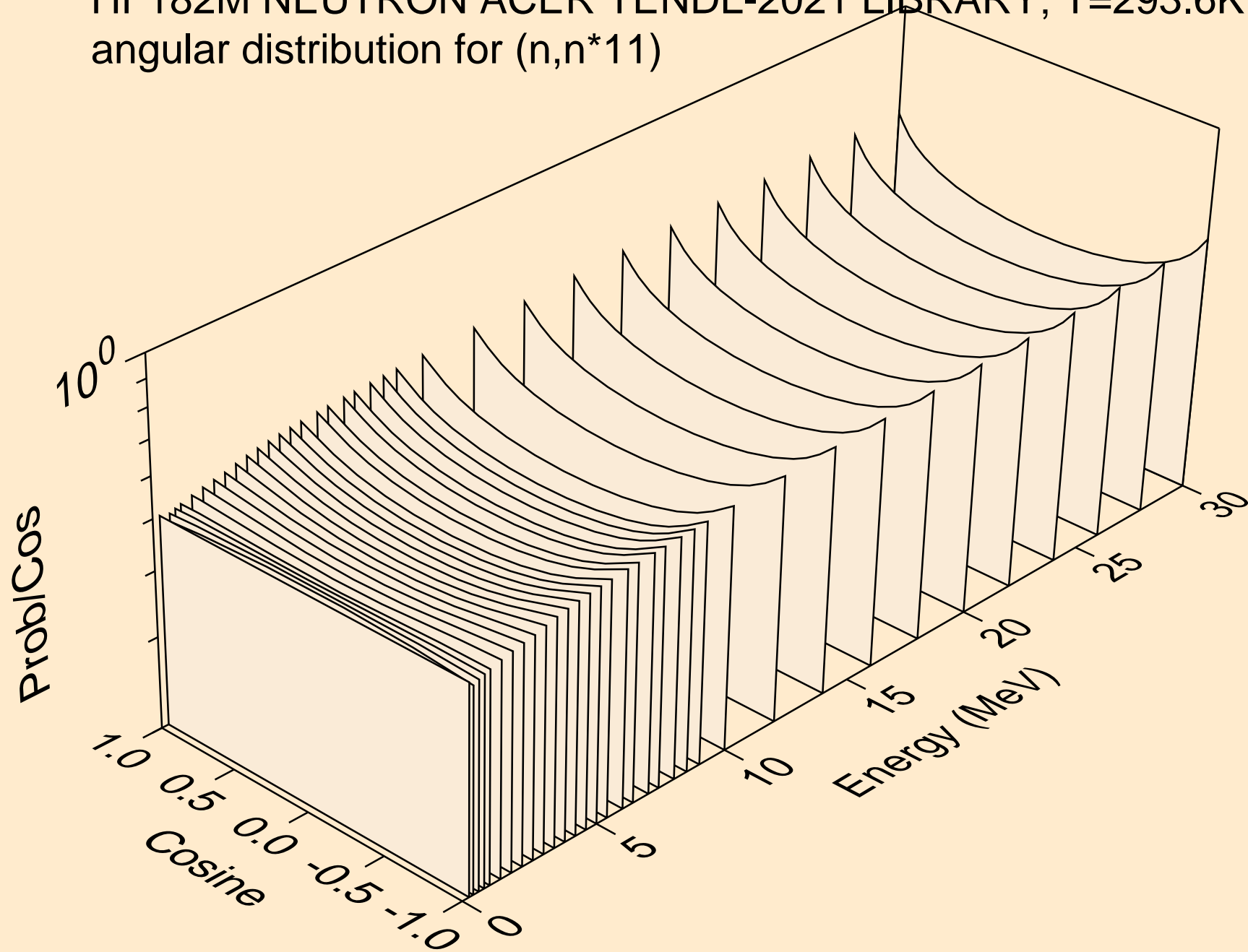


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angular distribution for (n,n\*10)

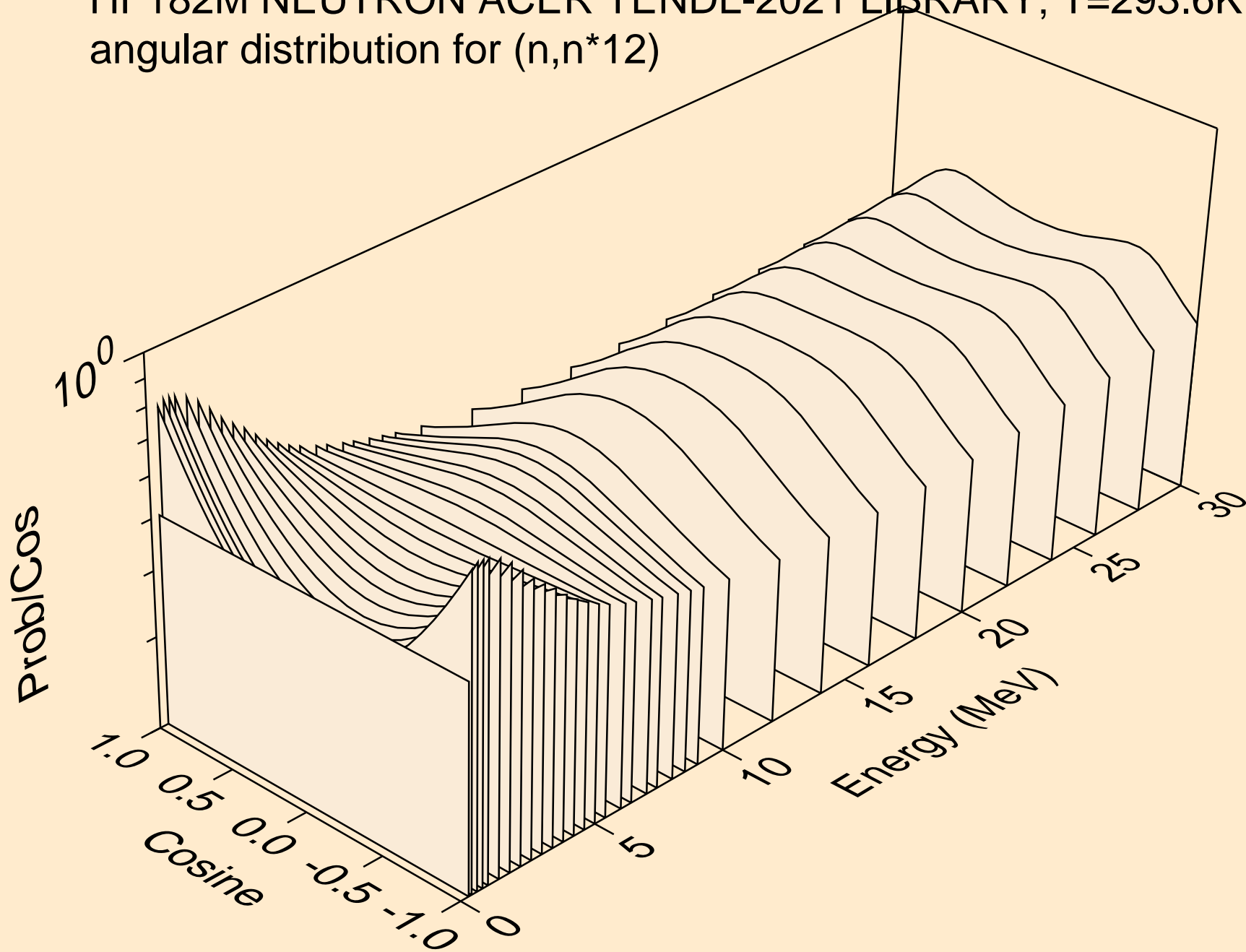




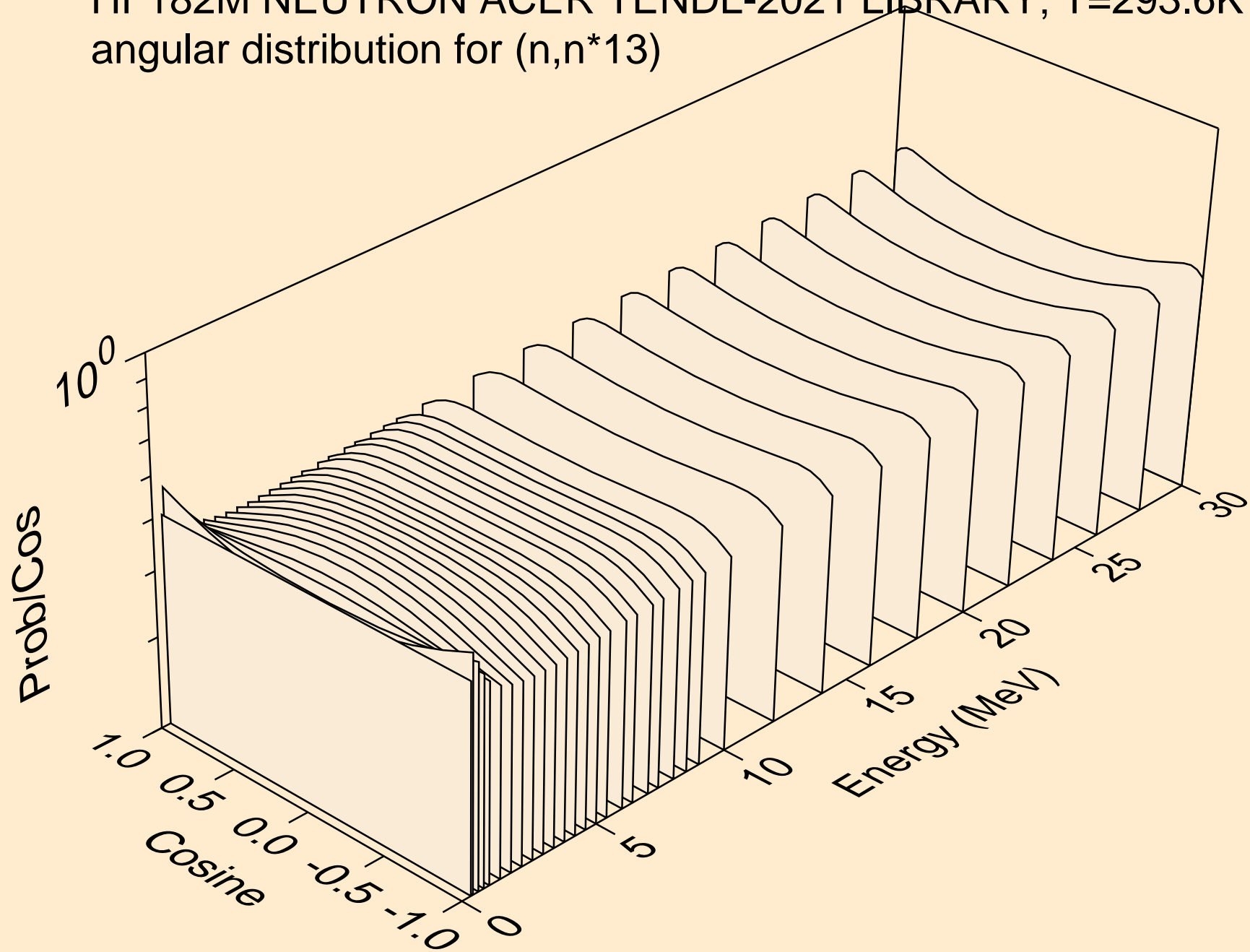
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angular distribution for (n,n\*11)



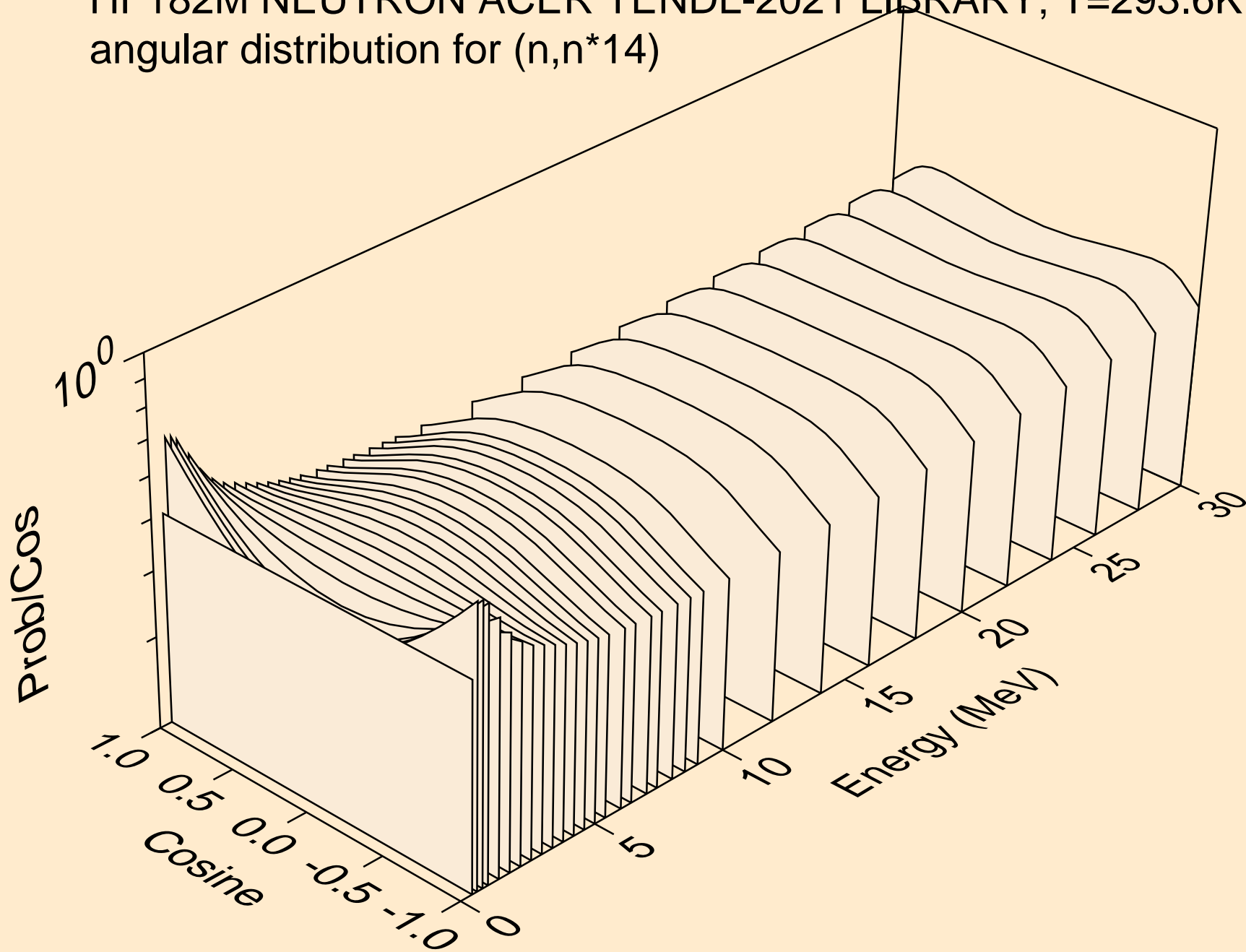
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angular distribution for (n,n\*12)



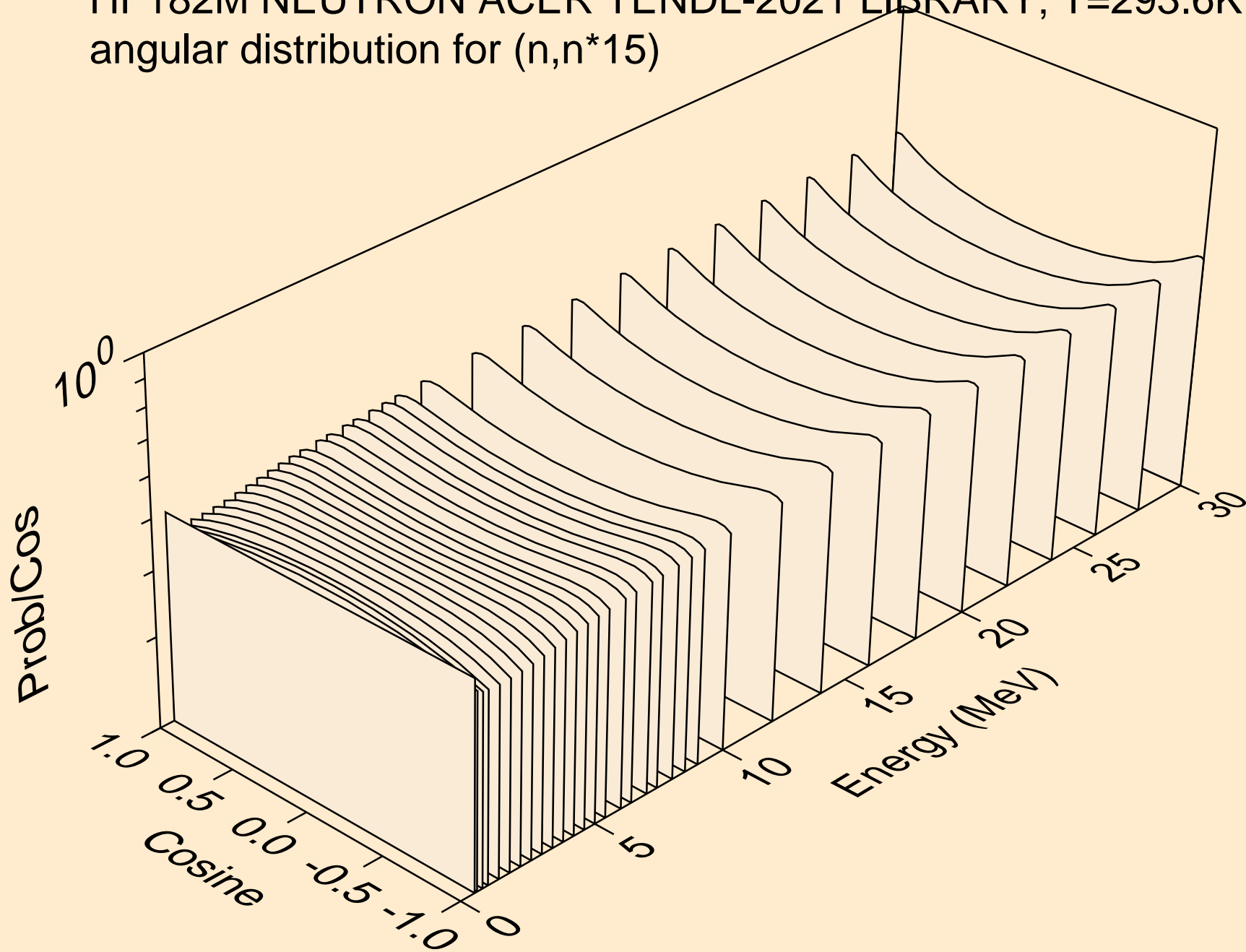
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angular distribution for (n,n\*13)



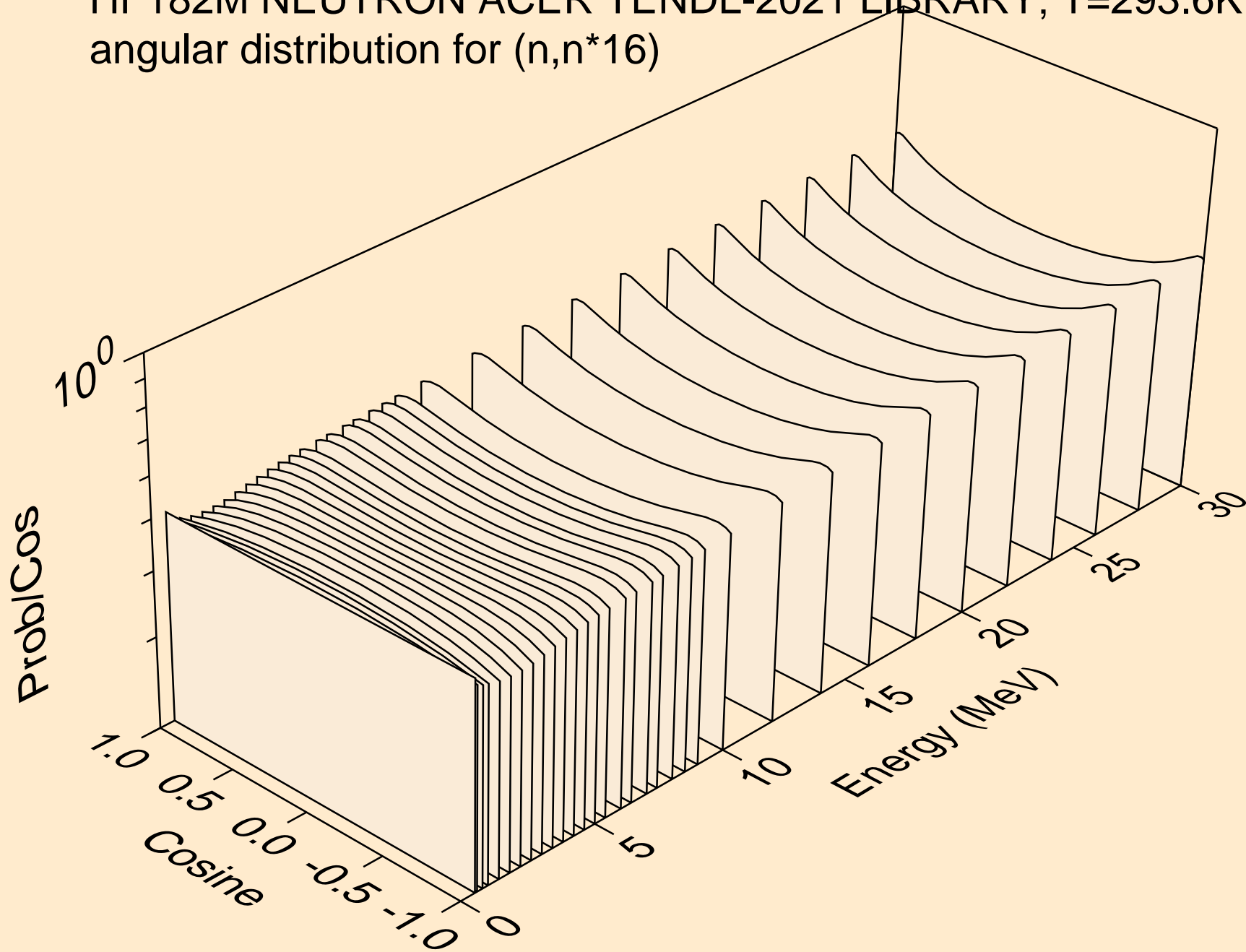
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angular distribution for (n,n\*14)



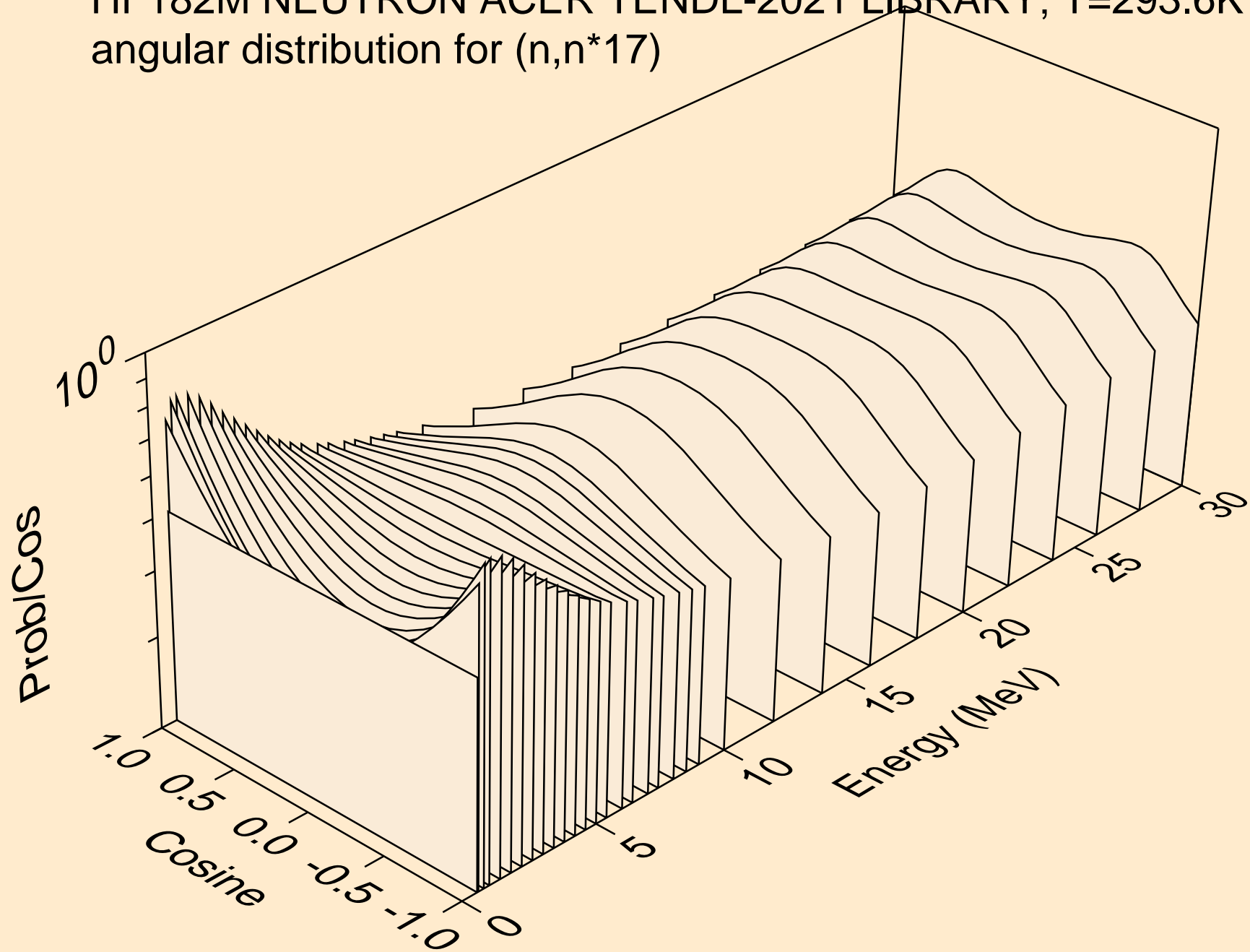
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angular distribution for (n,n\*15)



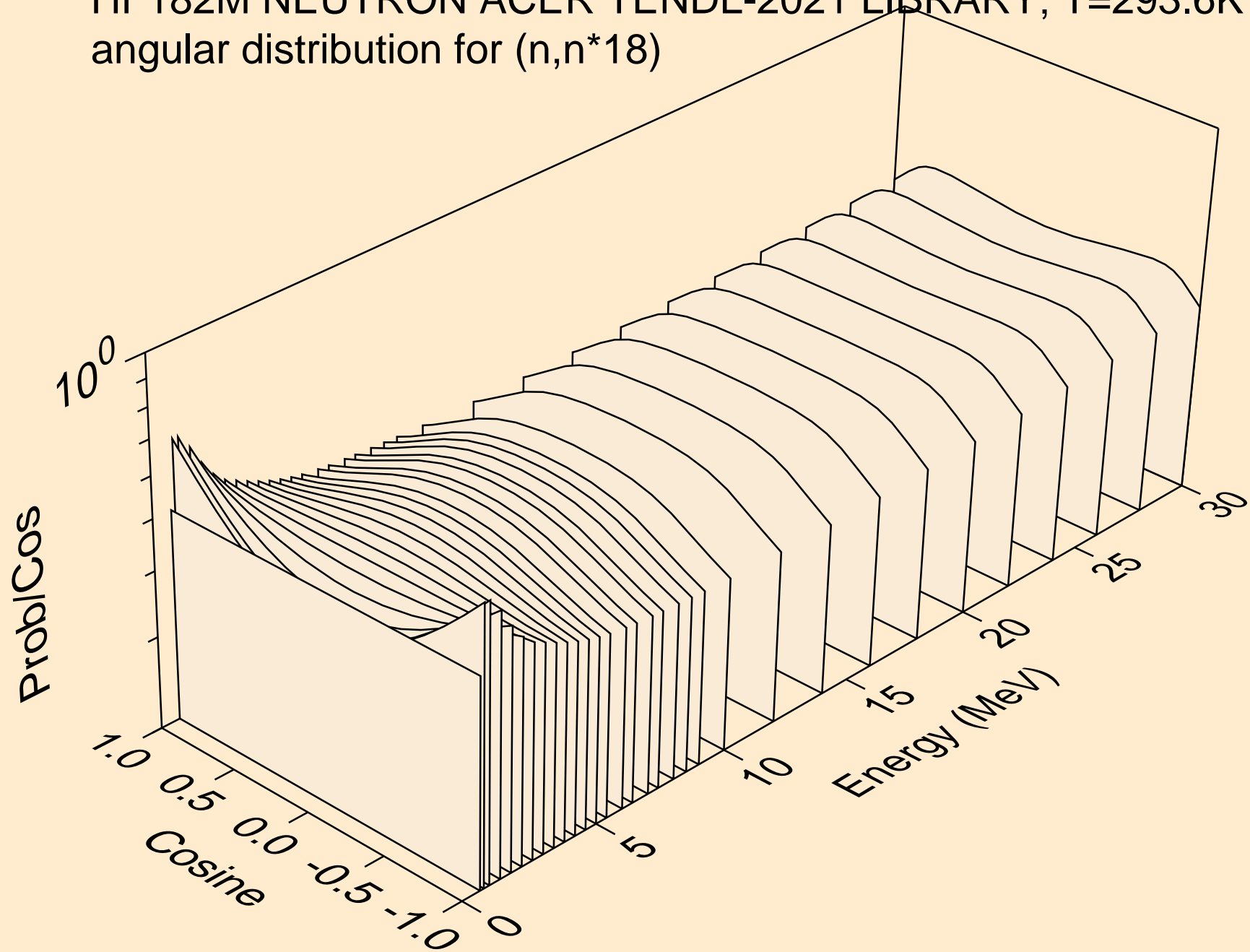
HF182M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*16)



HF182M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*17)

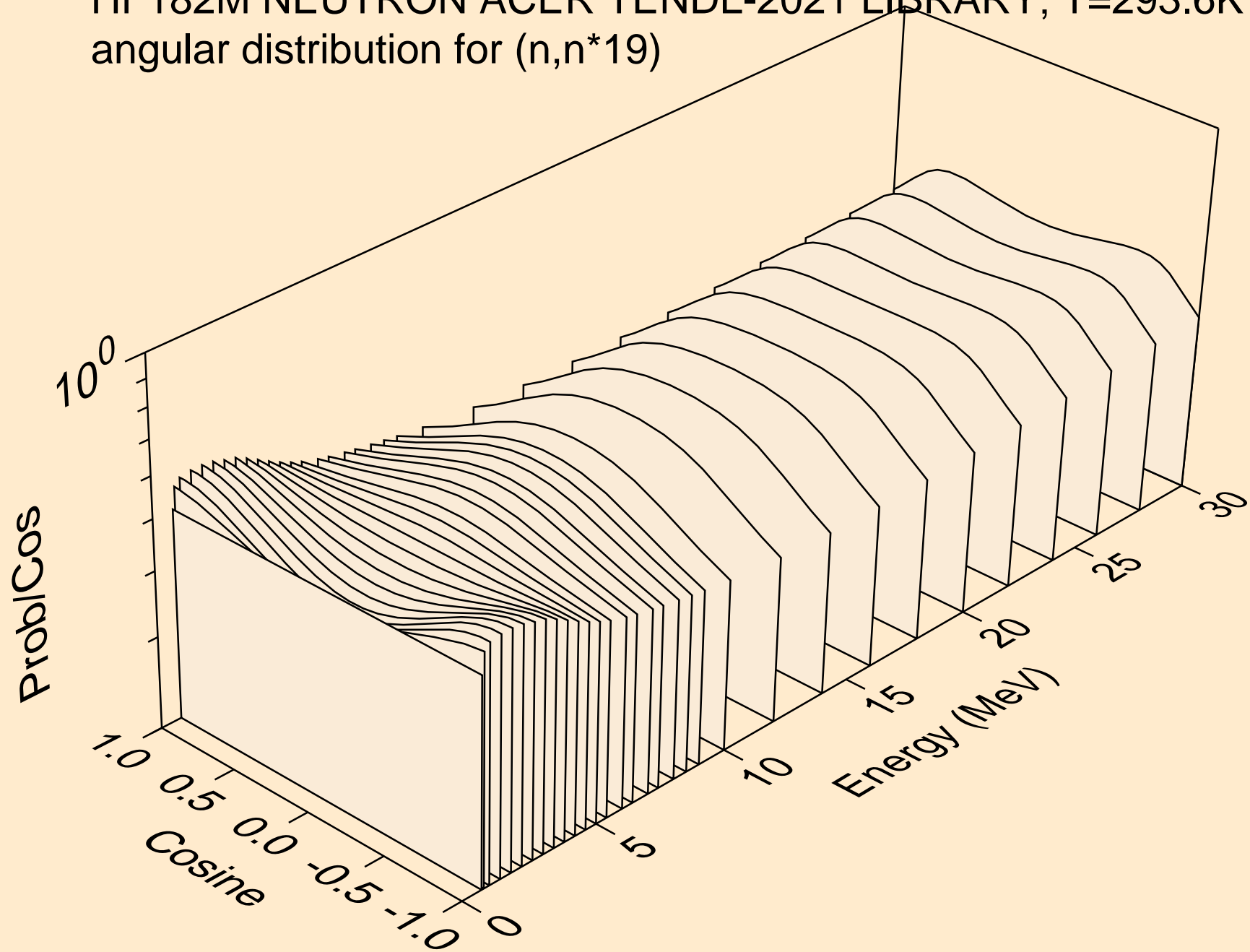


HF182M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*18)

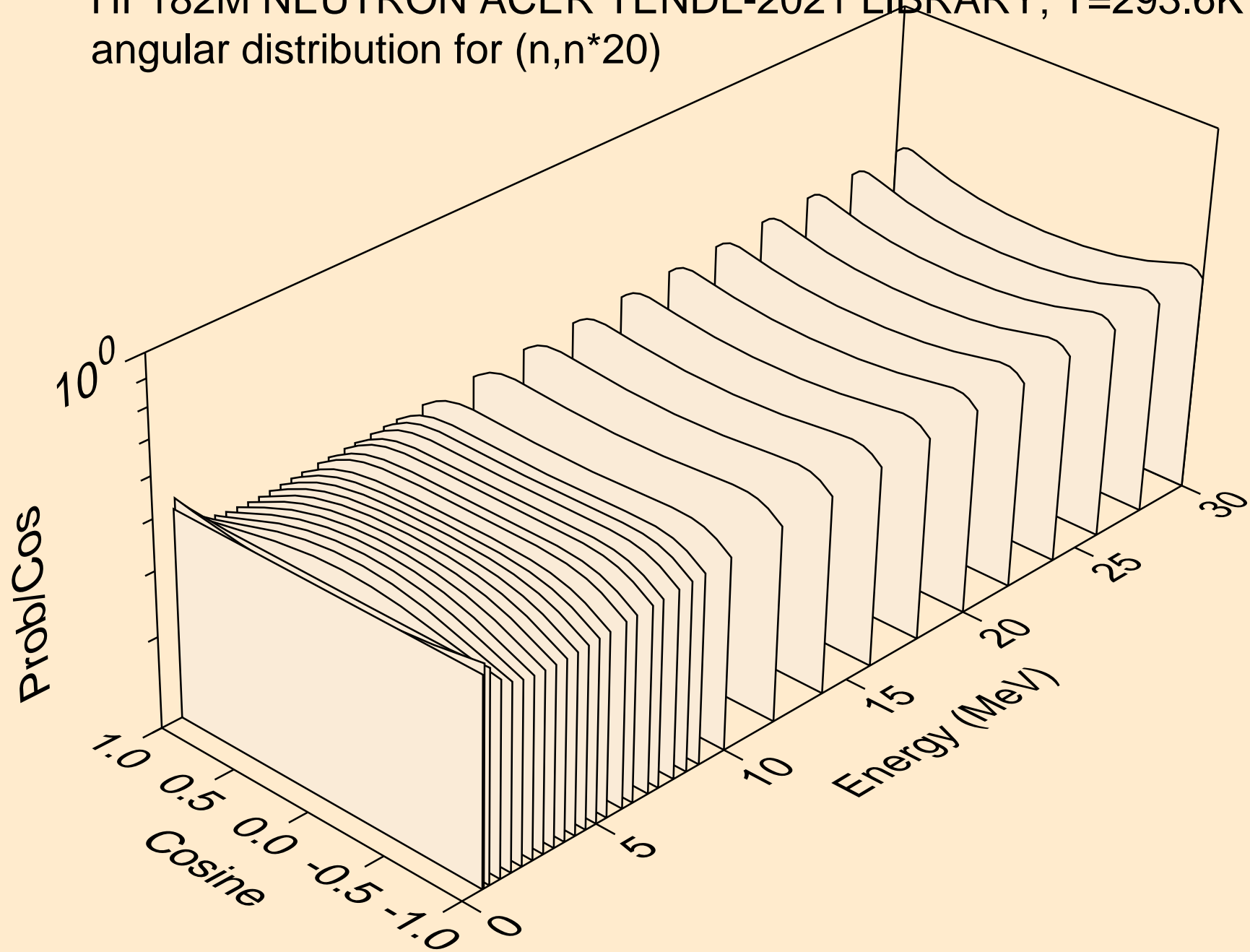




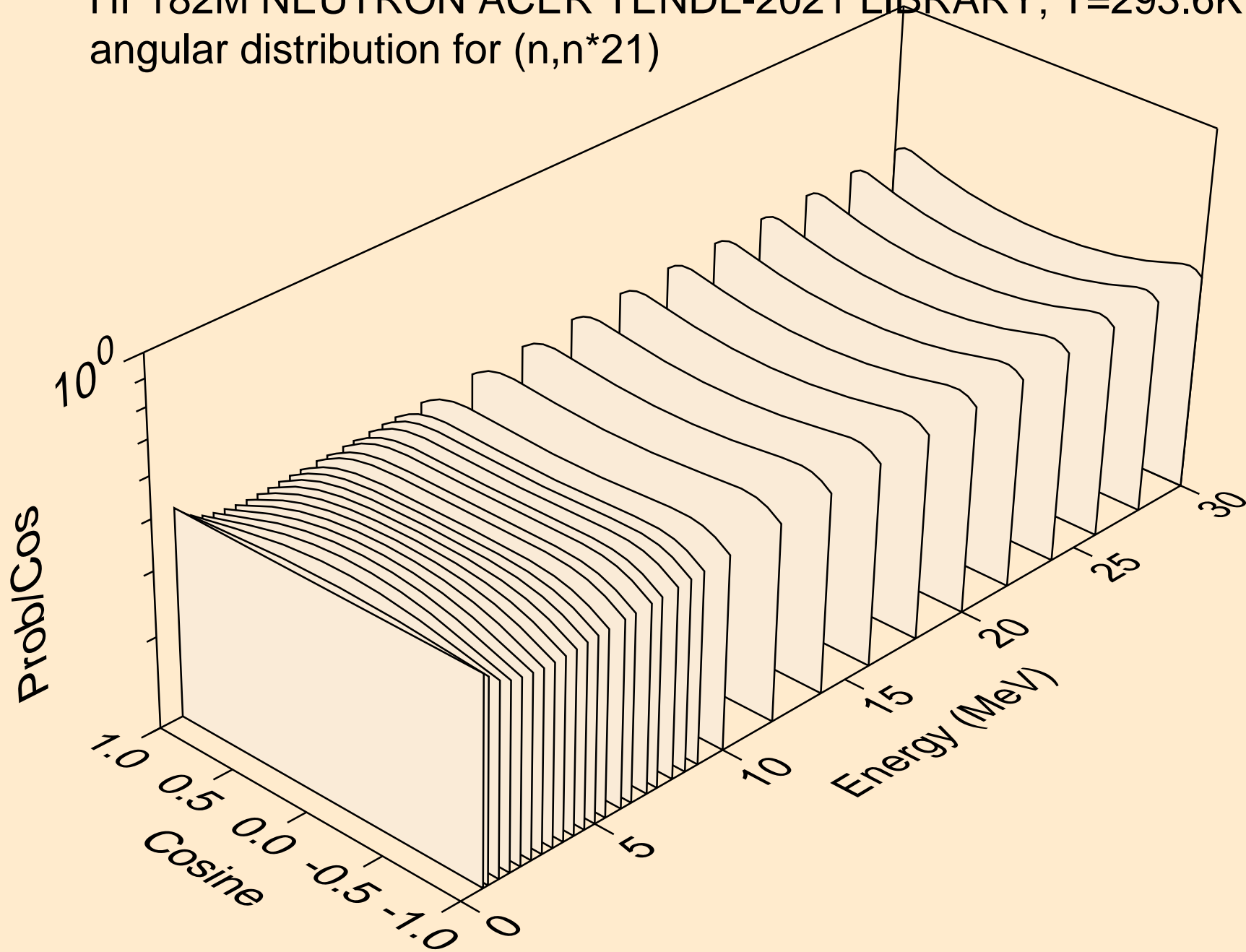
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angular distribution for (n,n\*19)



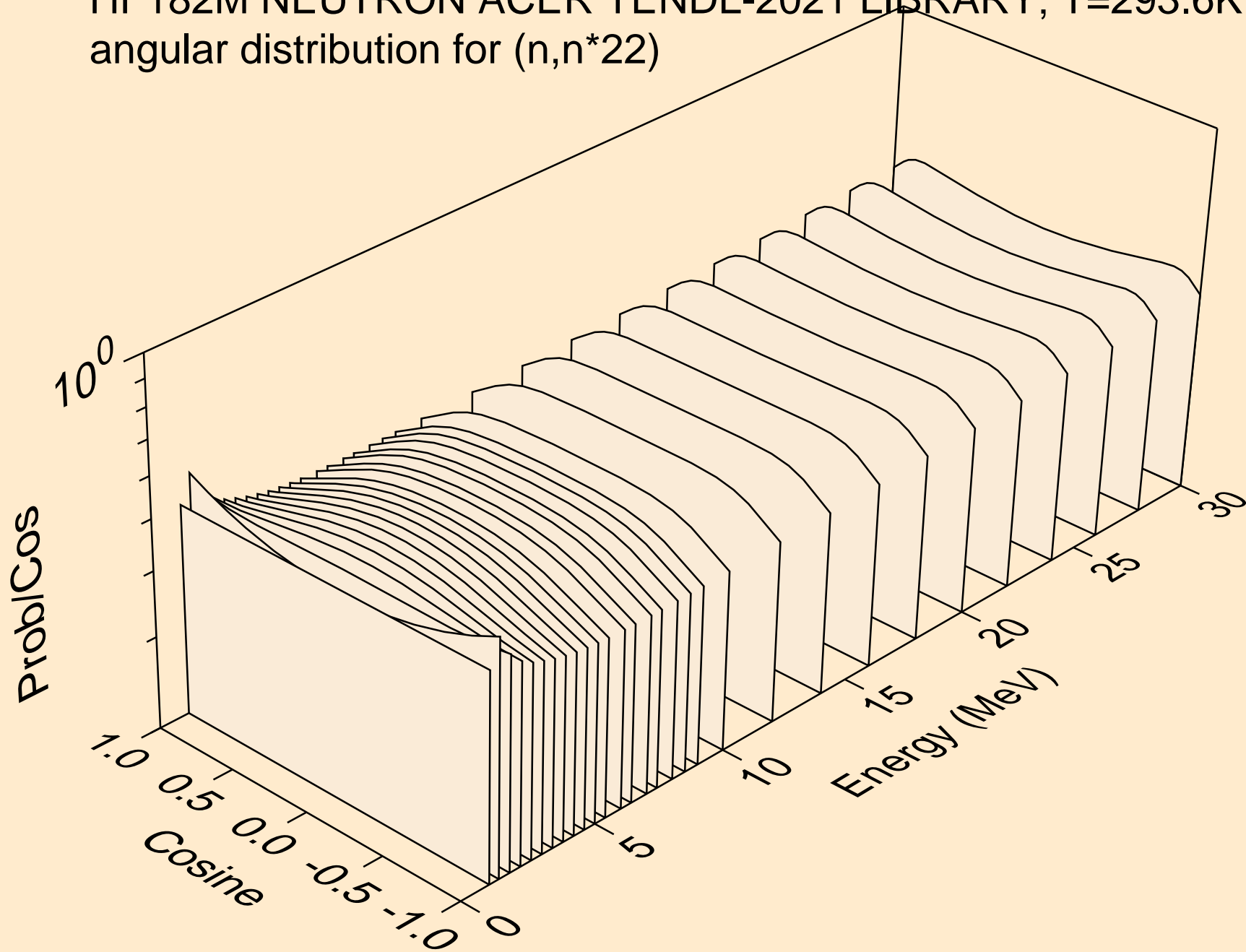
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angular distribution for (n,n\*20)



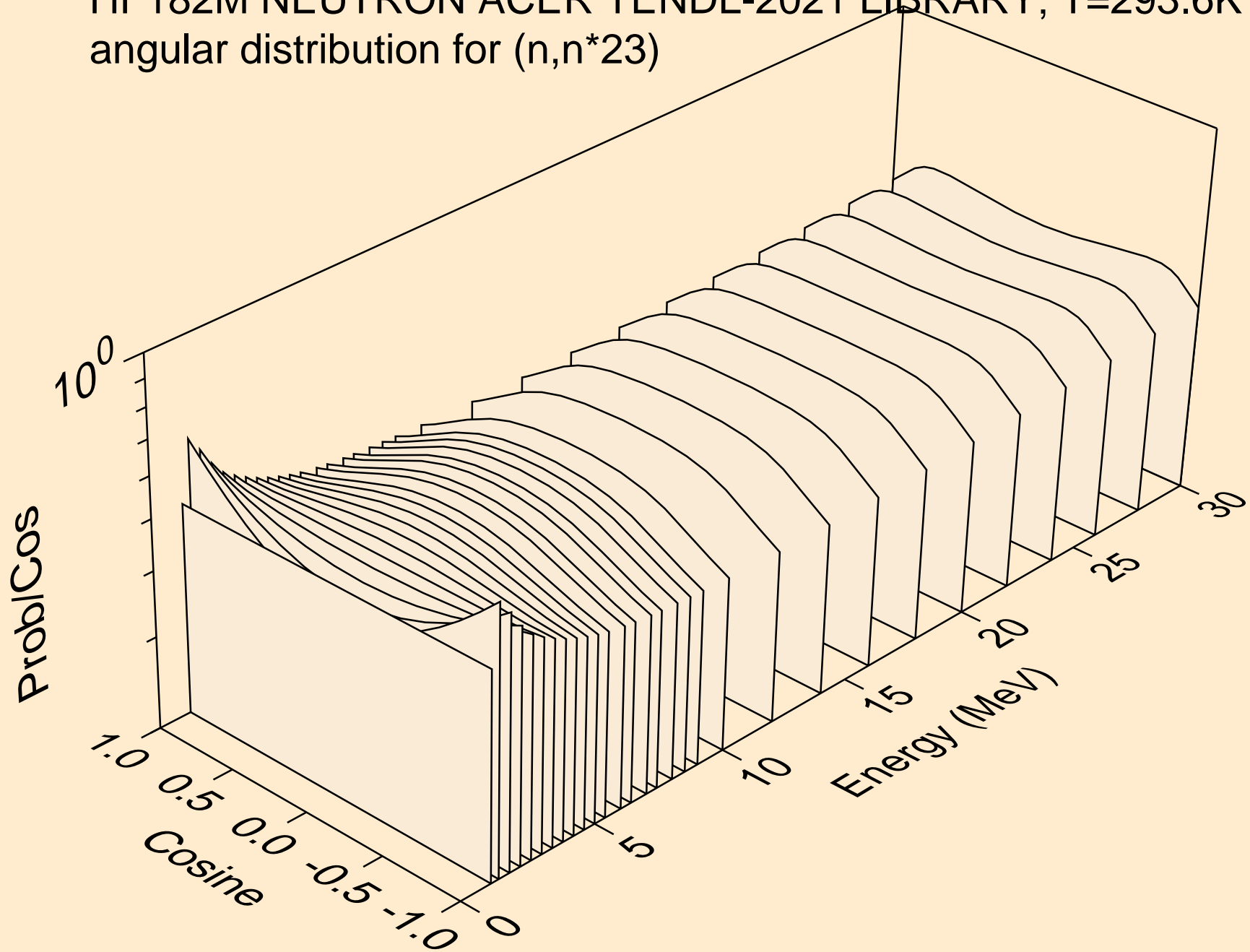
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angular distribution for (n,n\*21)



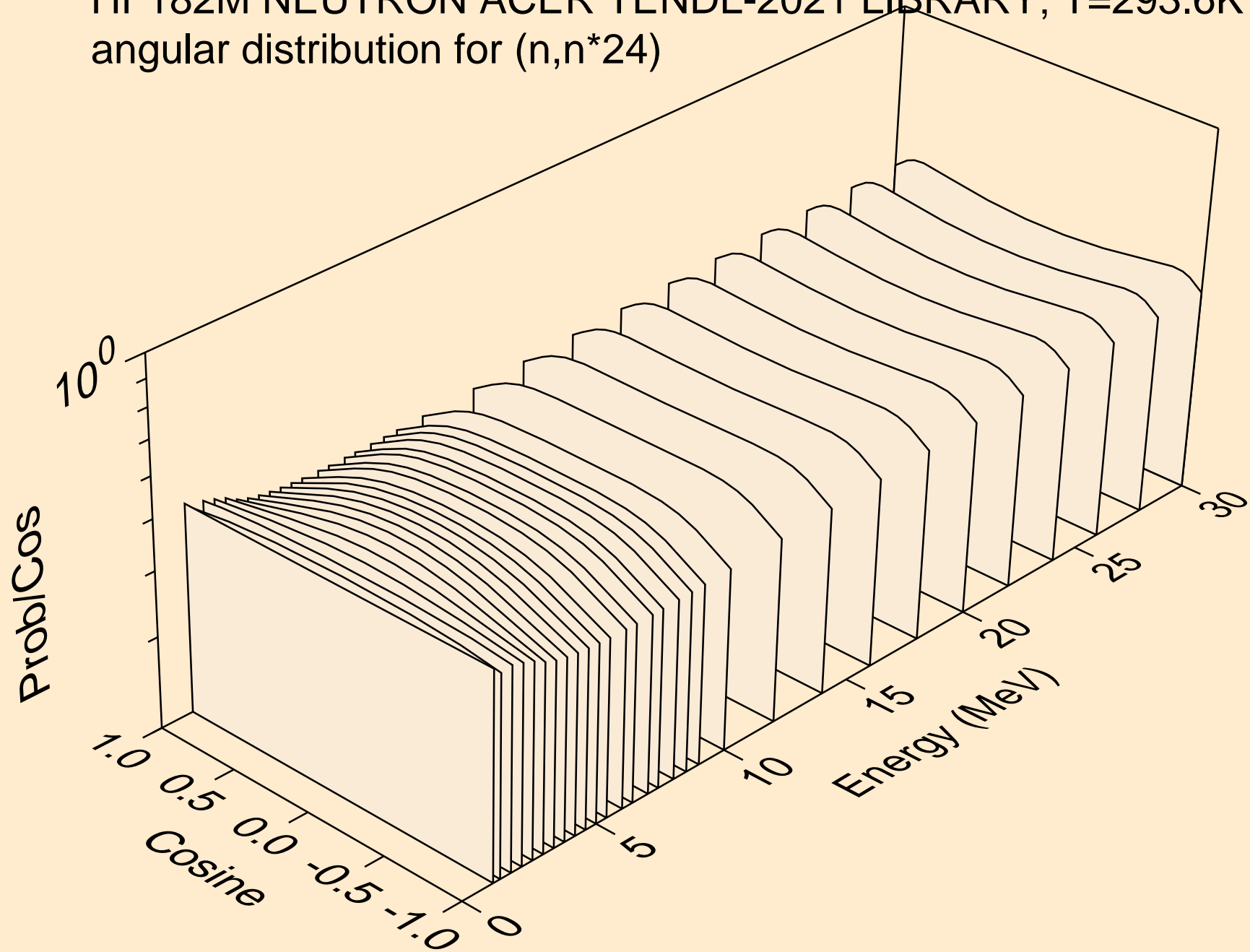
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angular distribution for (n,n\*22)



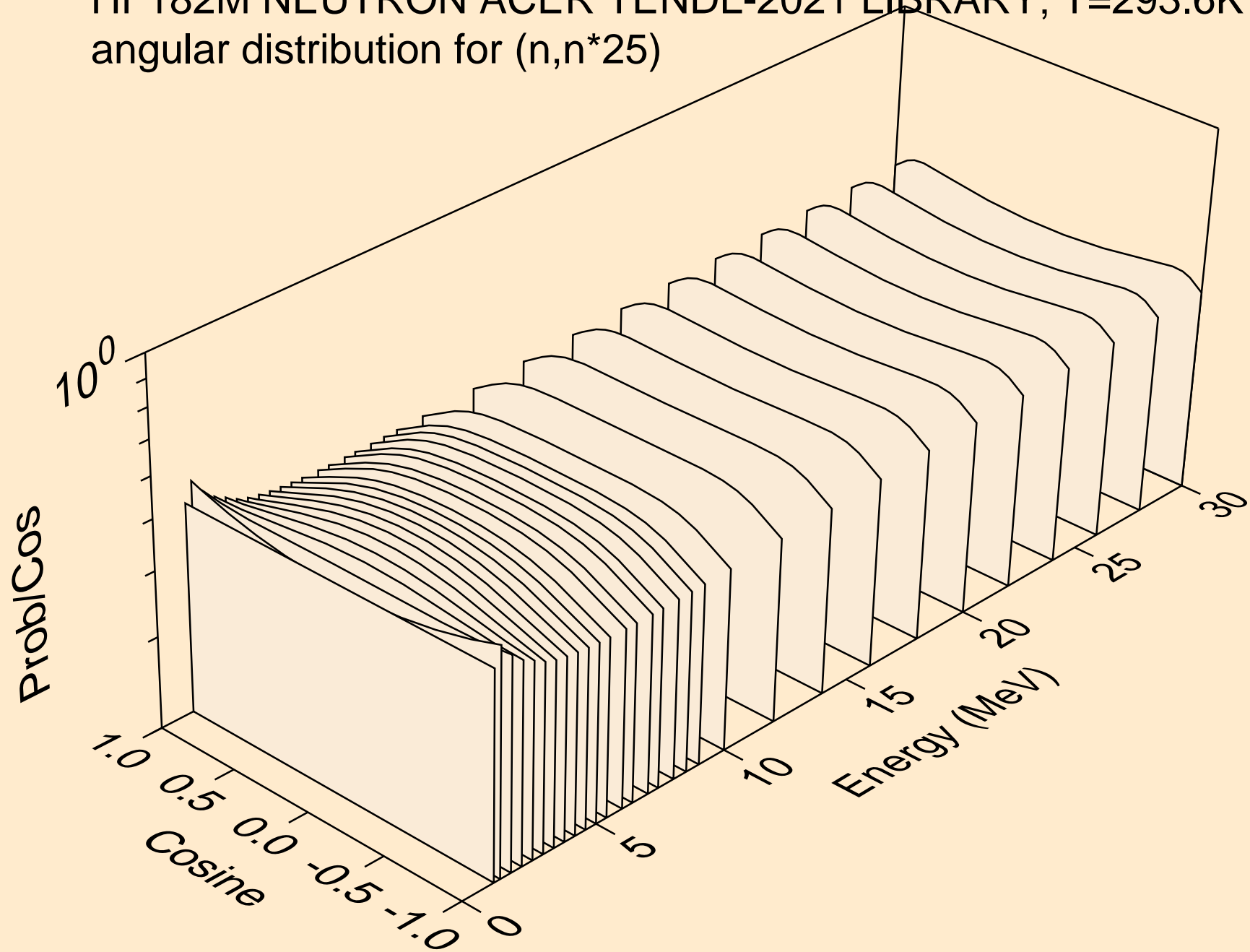
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angular distribution for (n,n\*23)



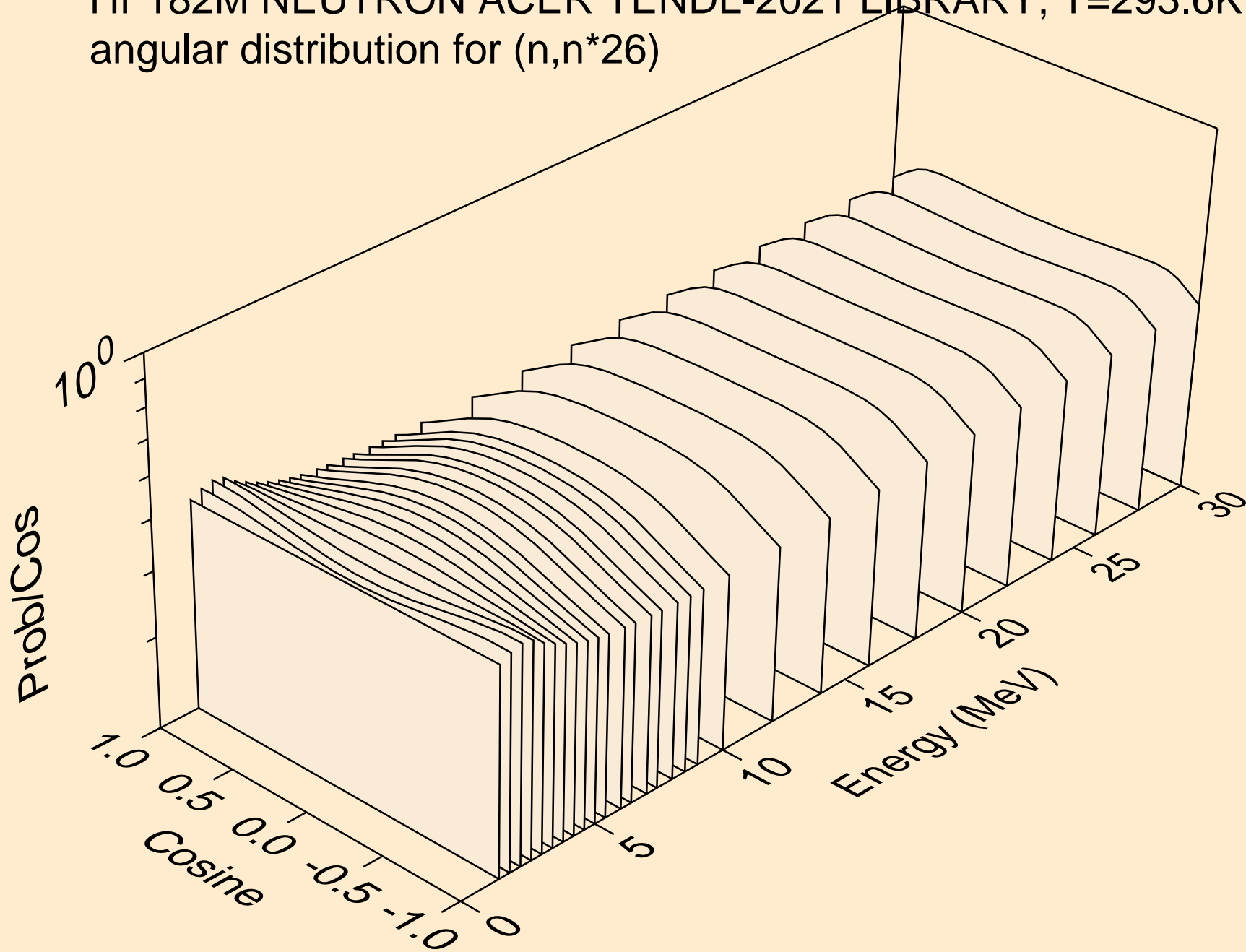
HF182M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*24)



HF182M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*25)

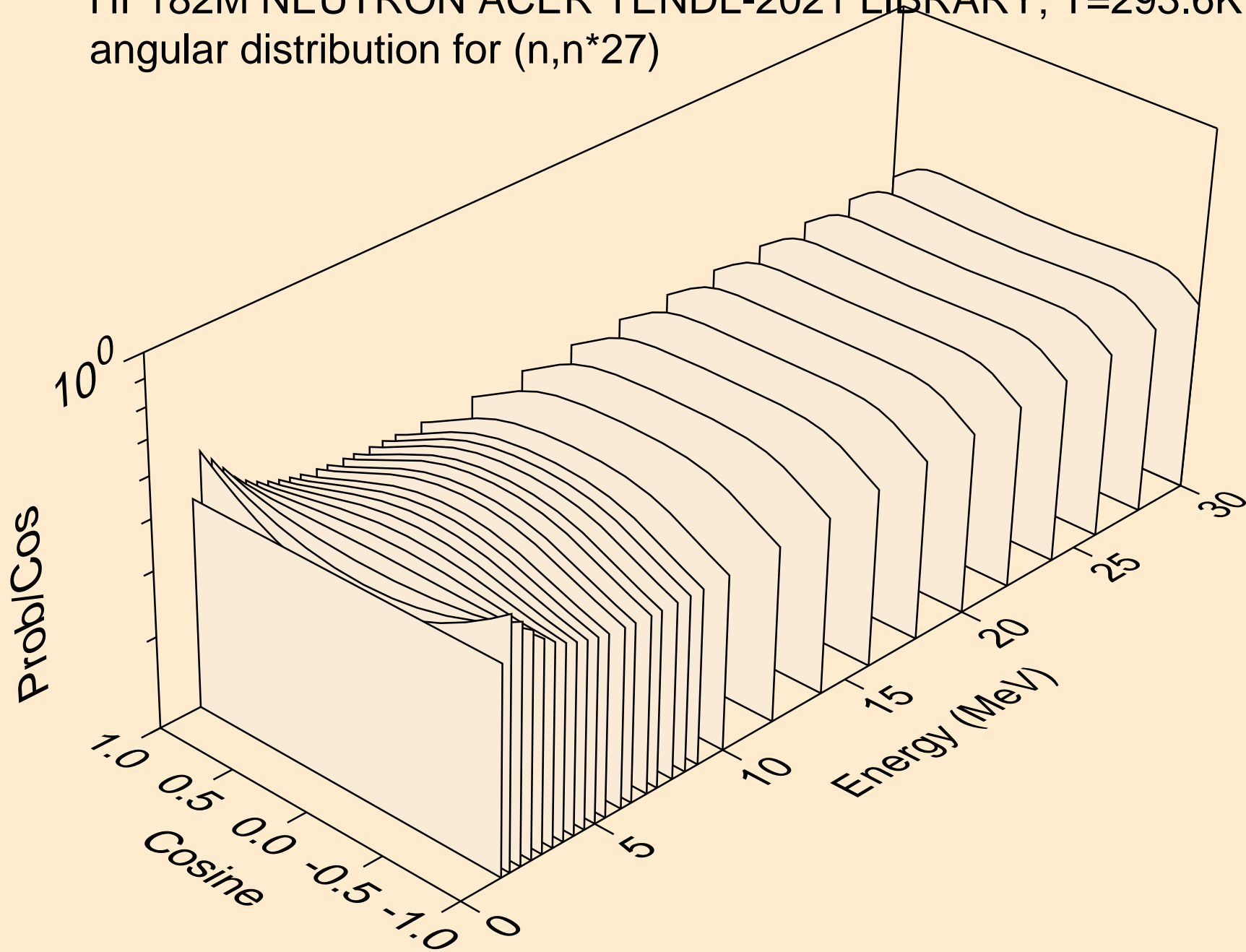


HF182M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*26)

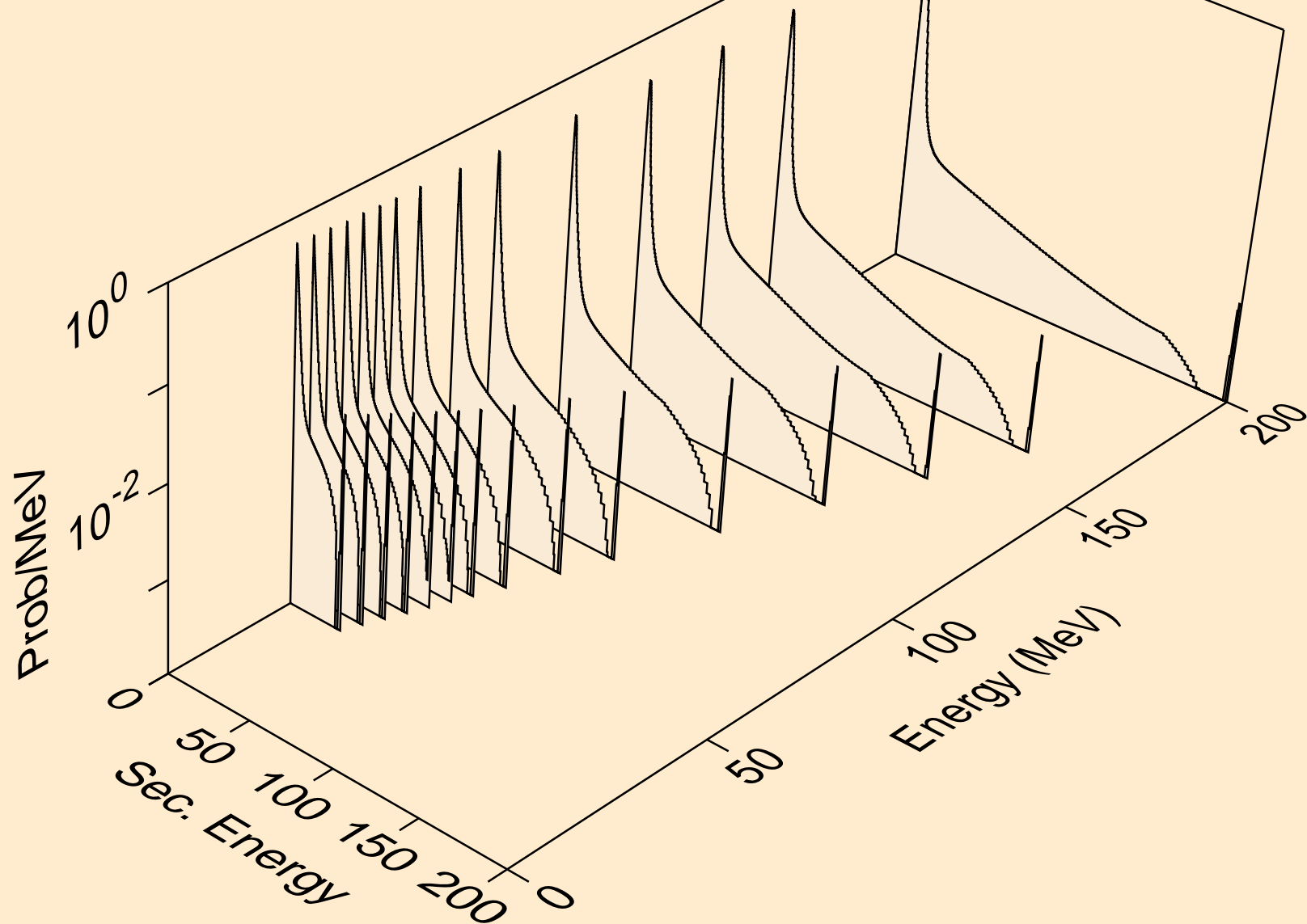




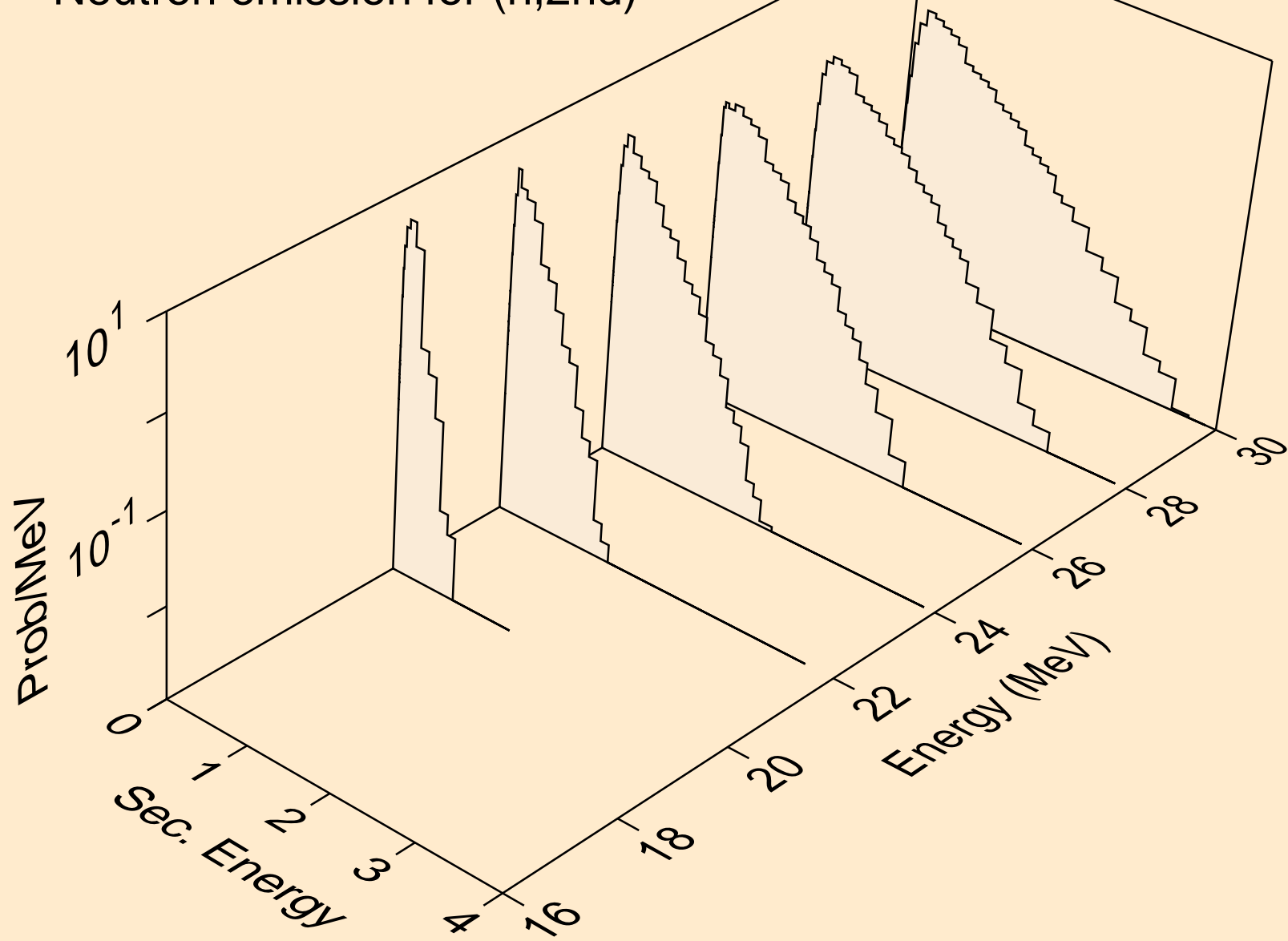
HF182M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*27)



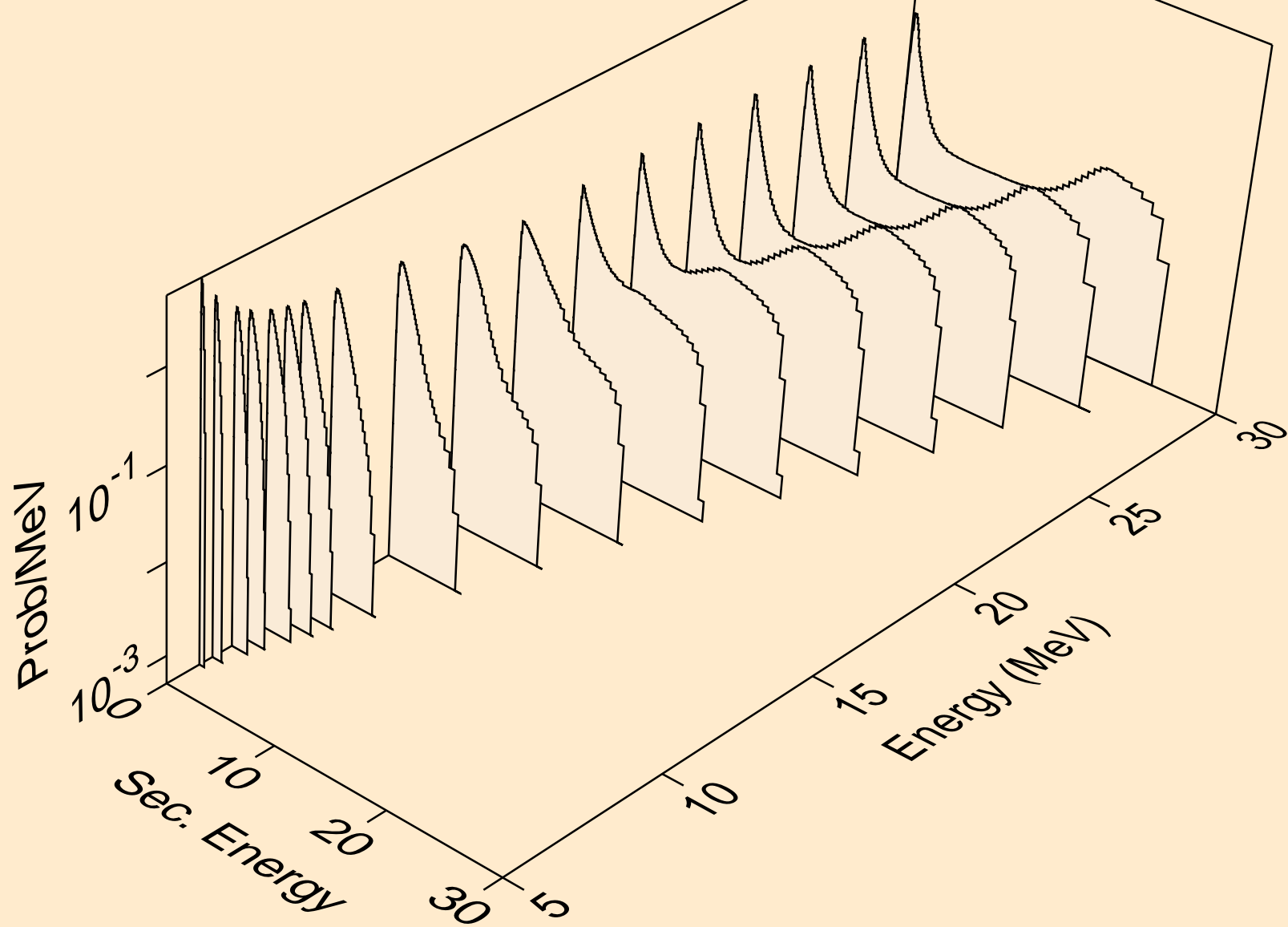
HF182M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,x)



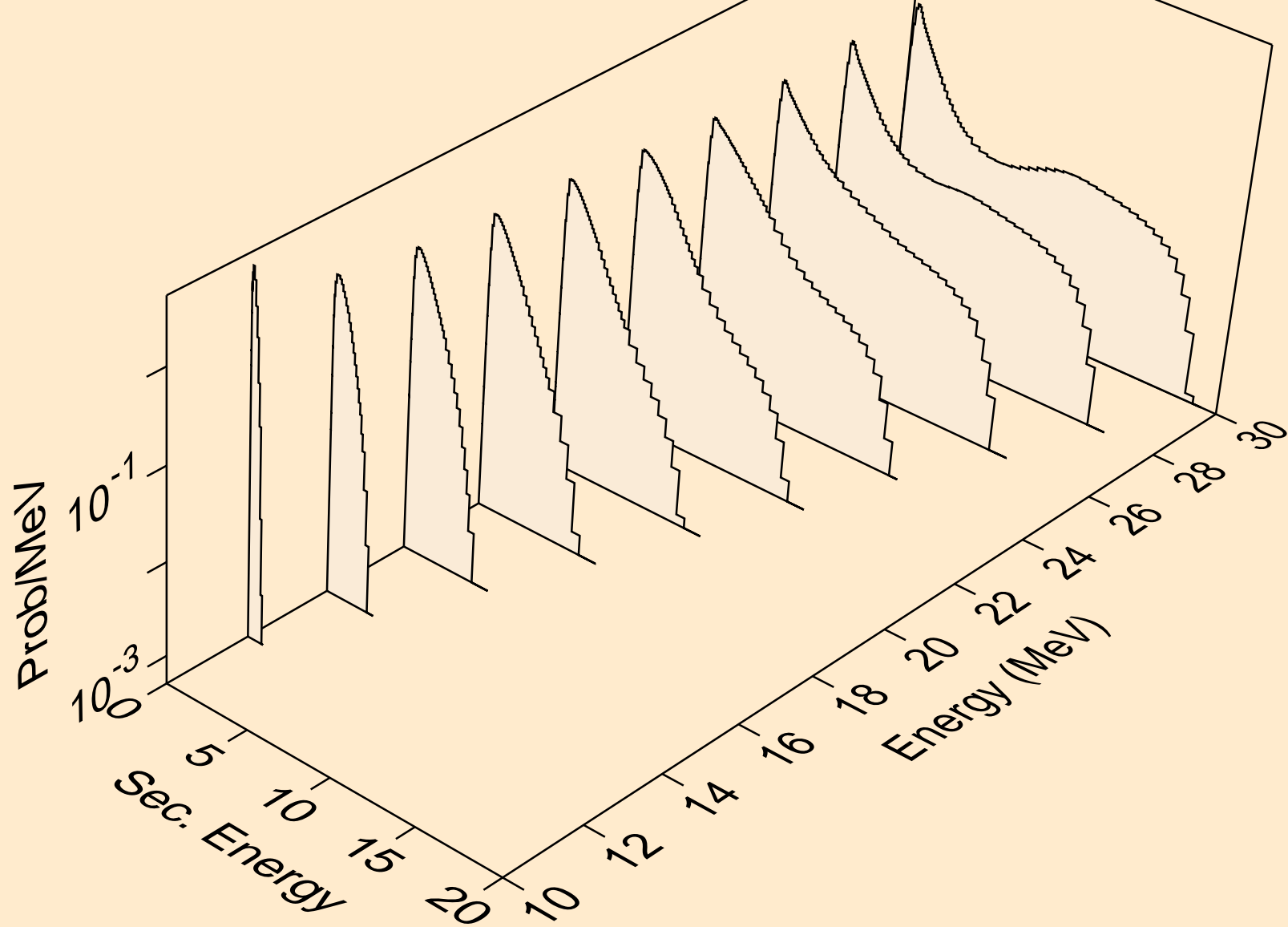
HF182M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2nd)



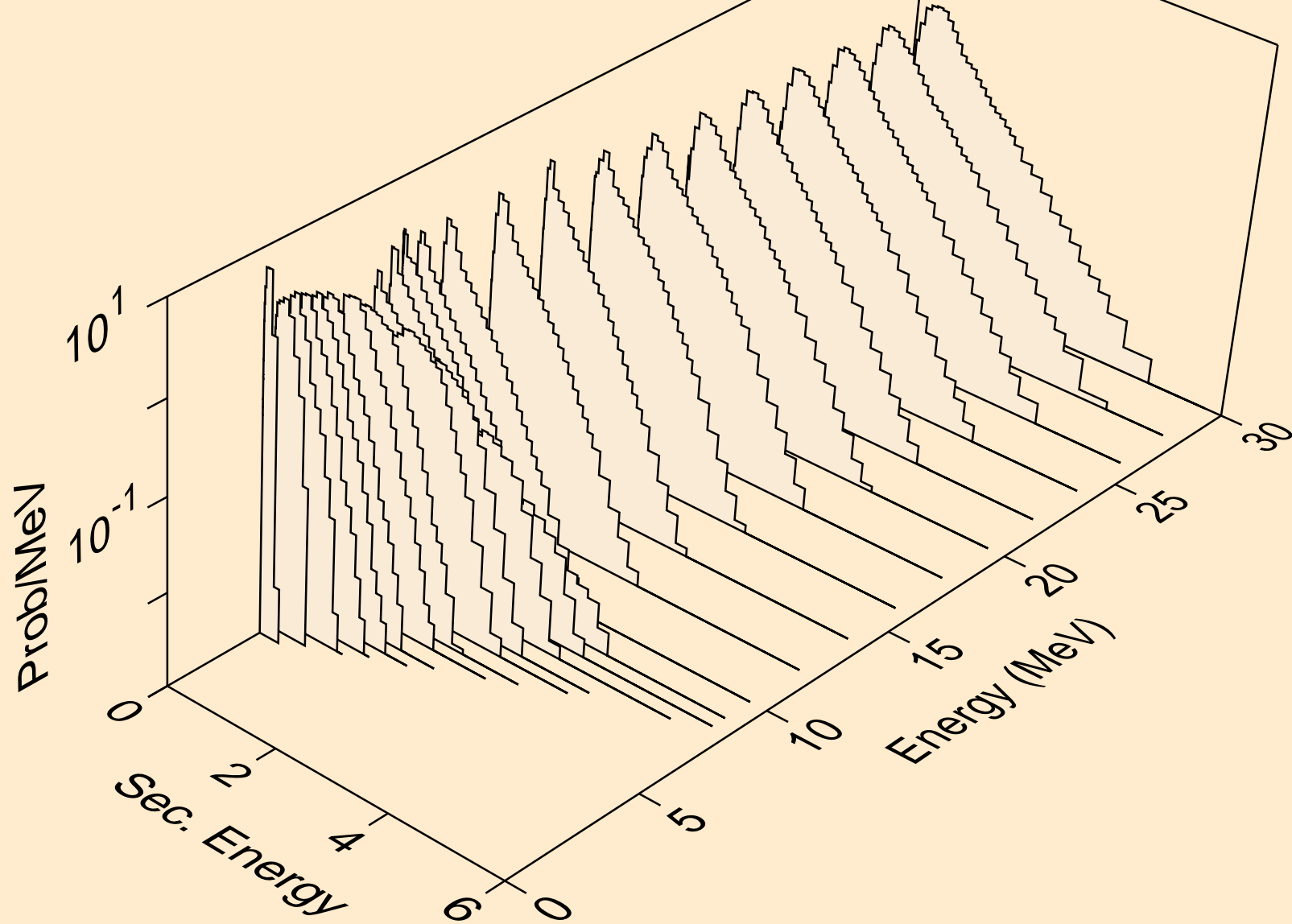
HF182M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)



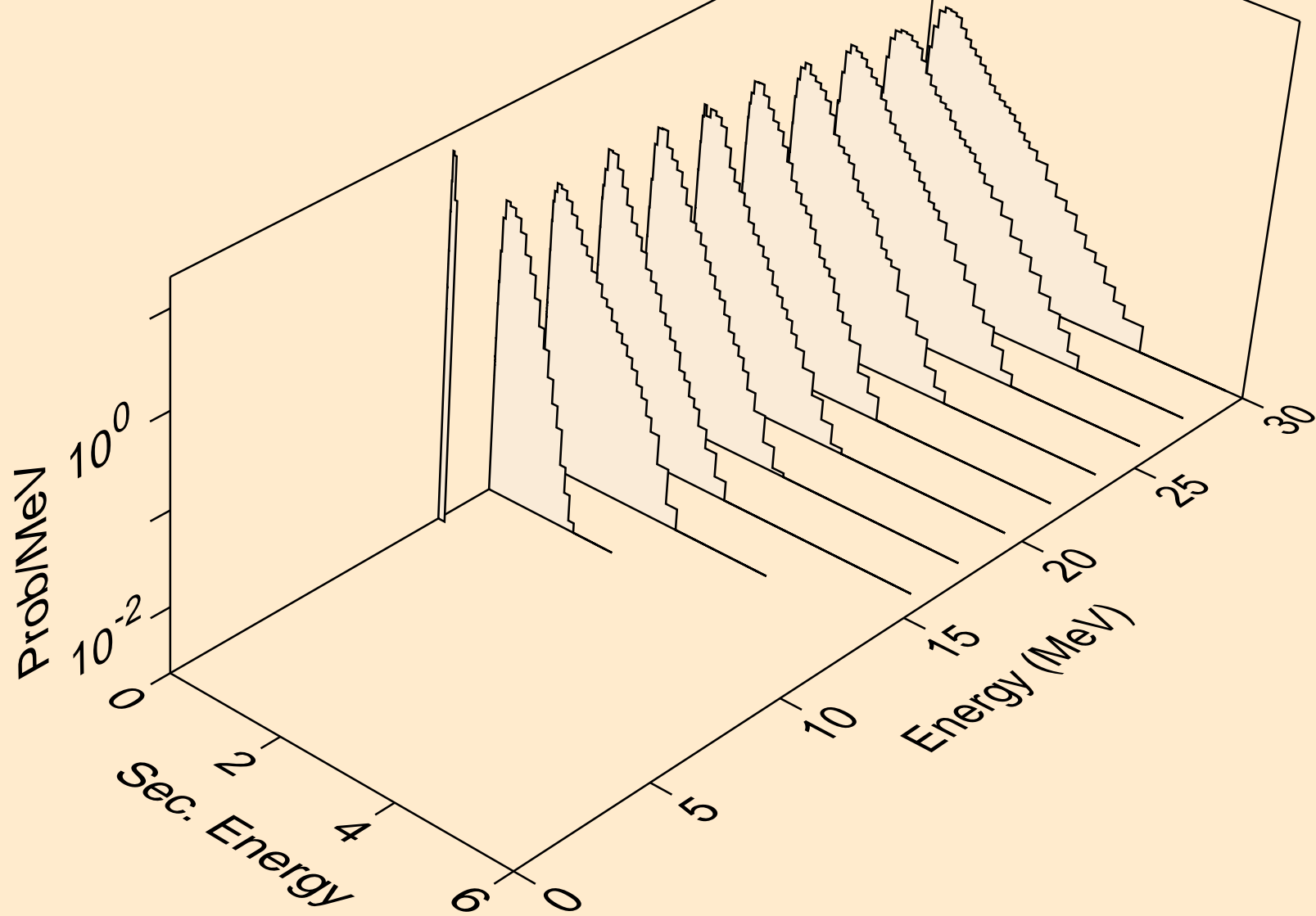
HF182M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3n)



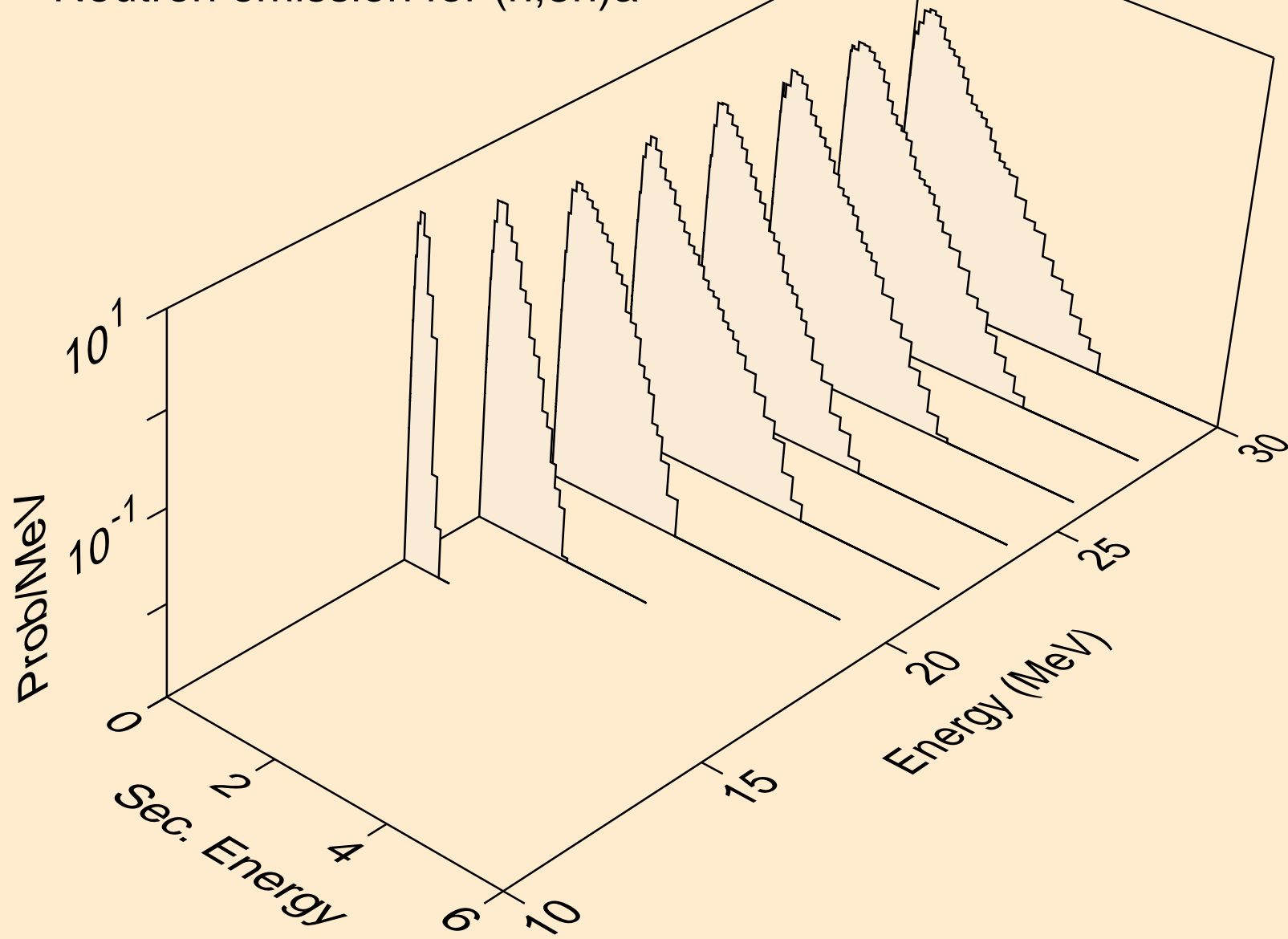
HF182M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)a



HF182M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)<sub>a</sub>

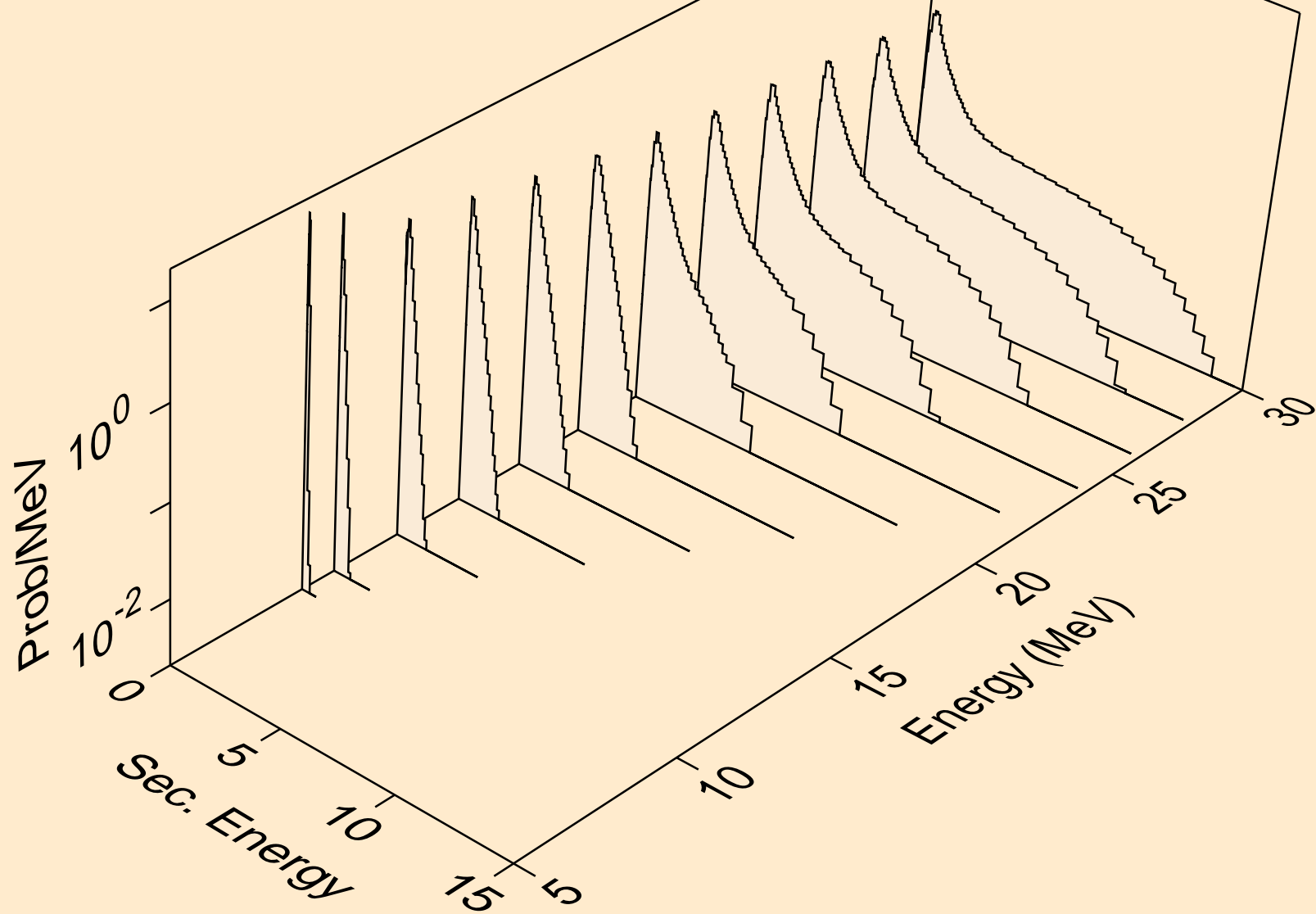


HF182M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3n)a

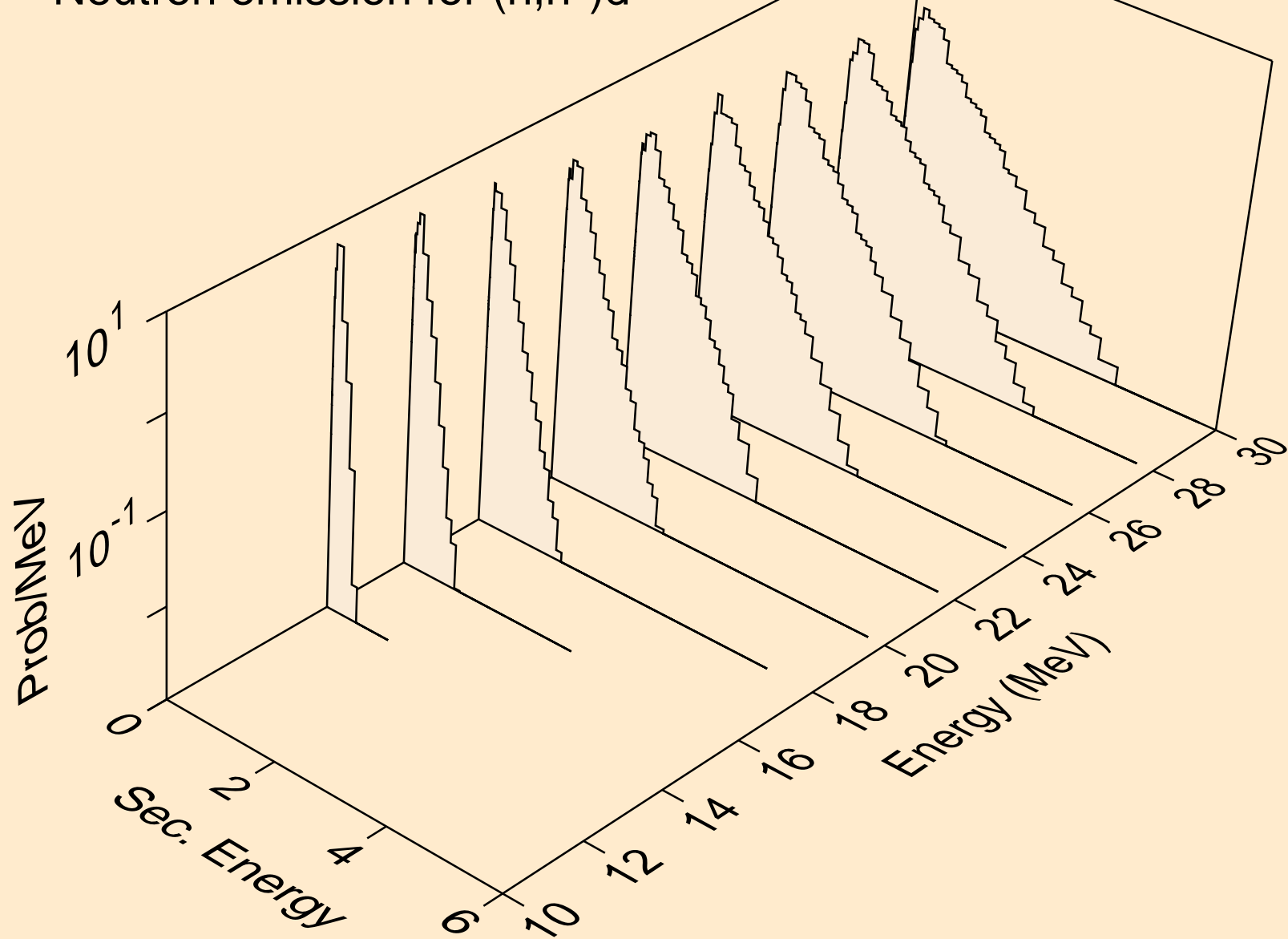




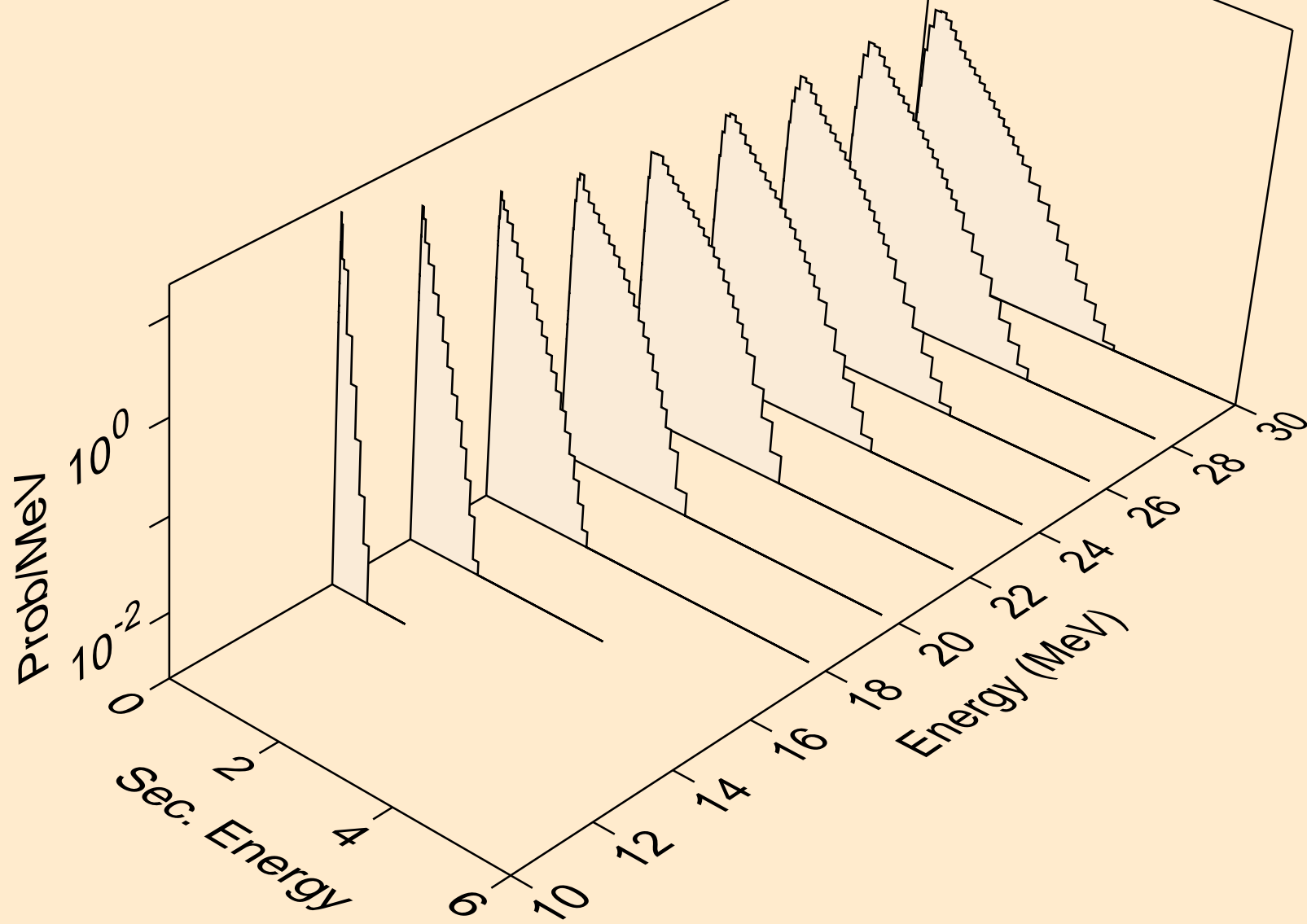
HF182M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)p



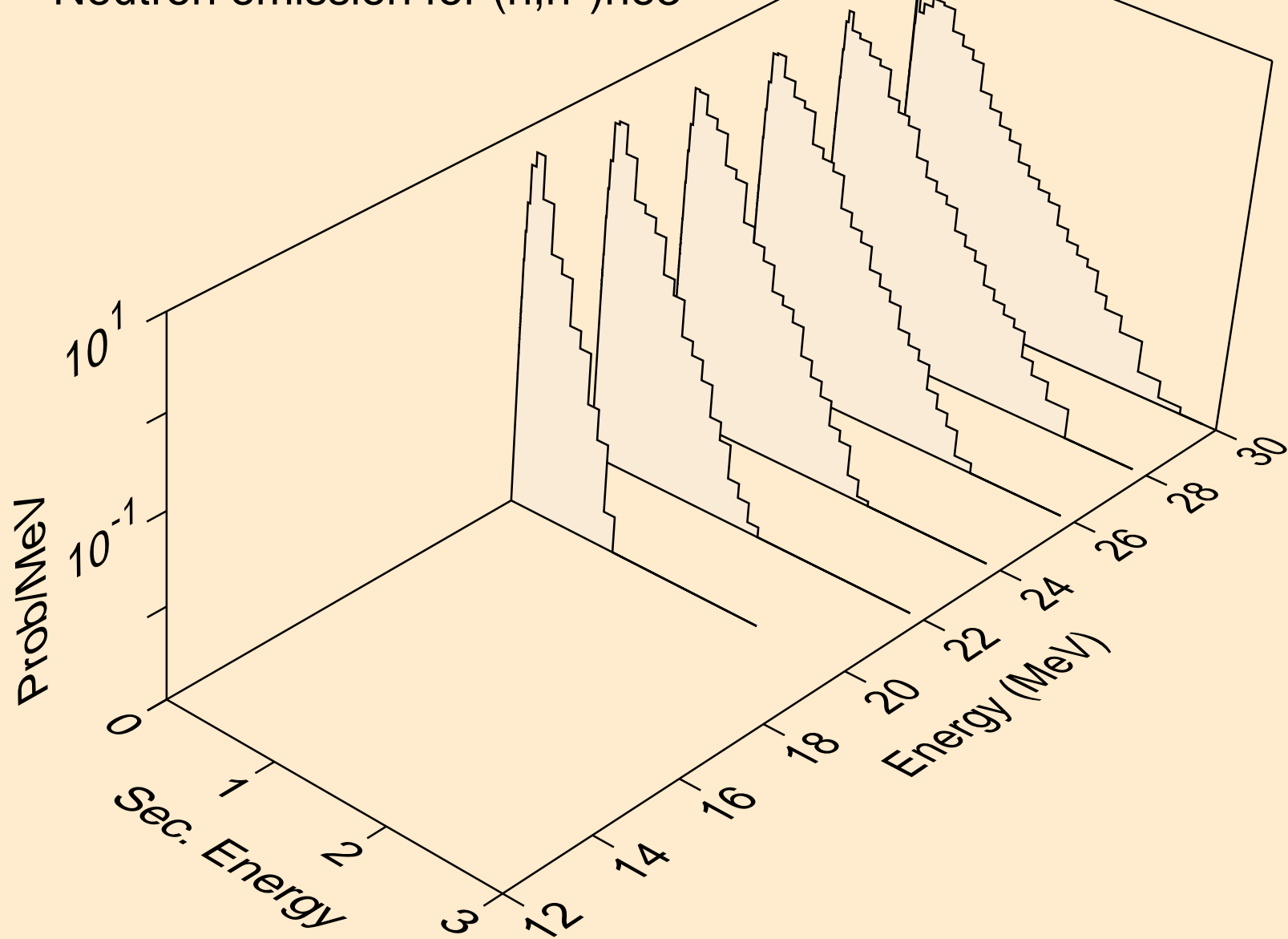
HF182M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)d



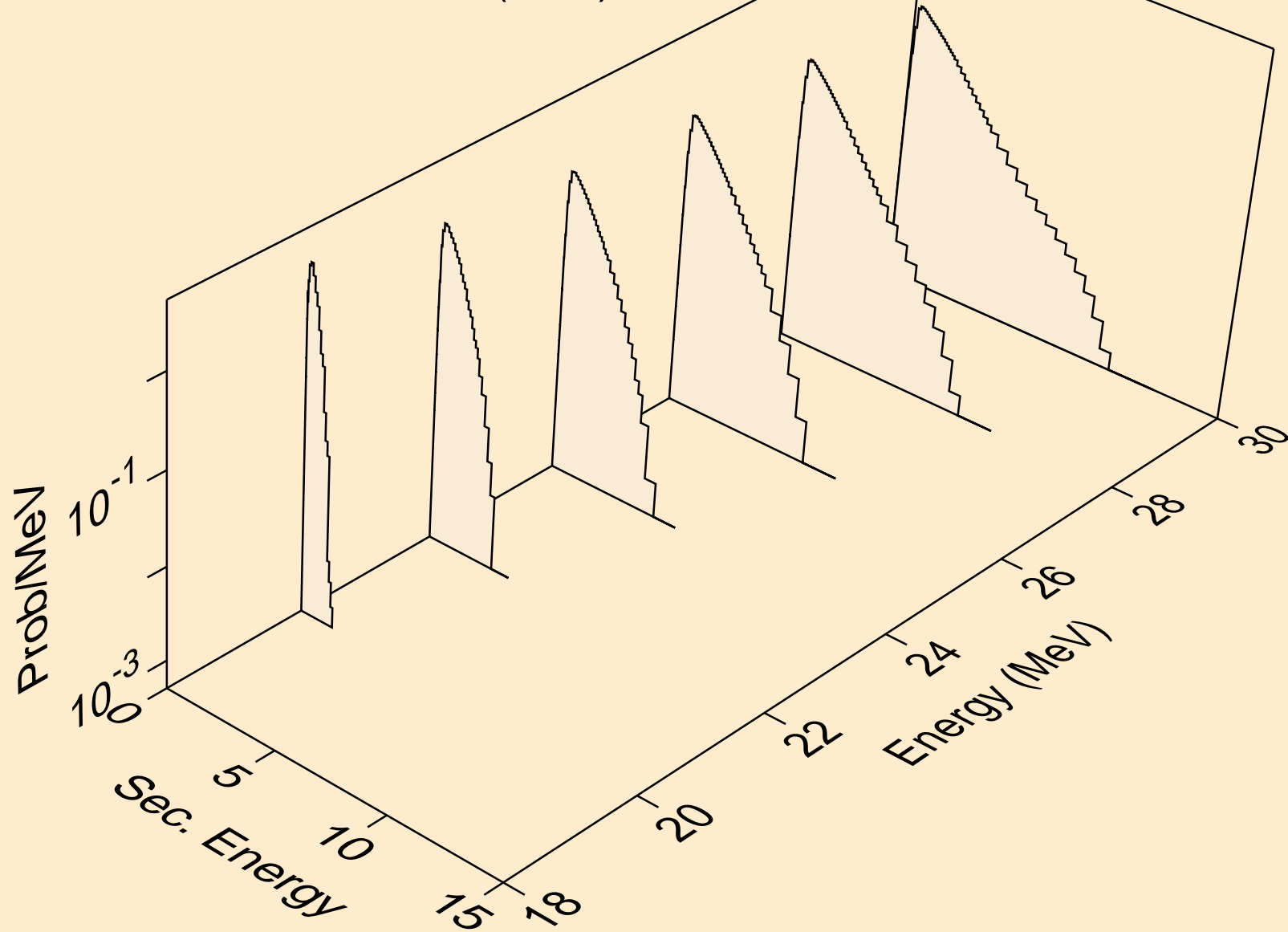
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Neutron emission for (n,n\*)t



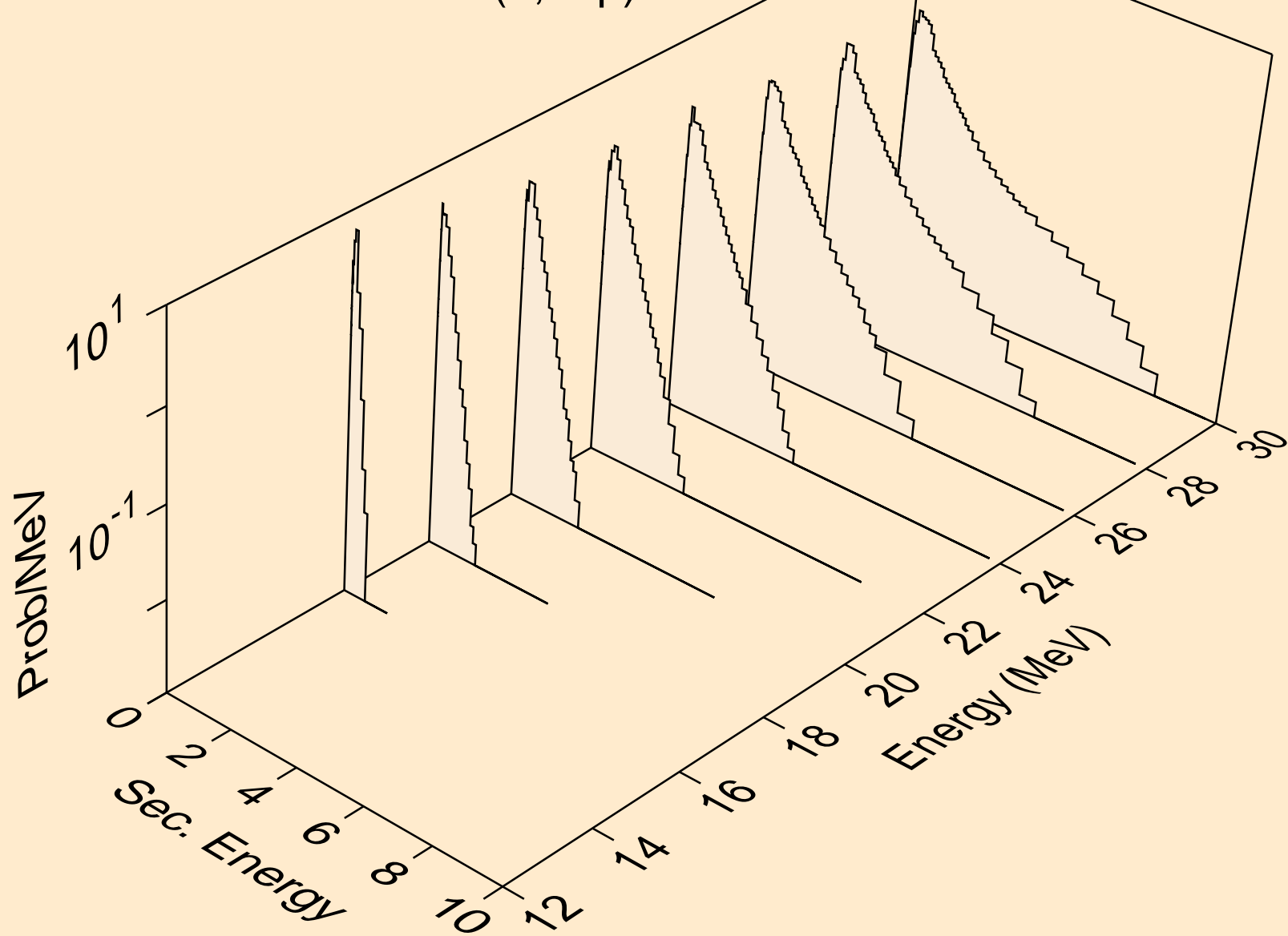
HF182M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)he3



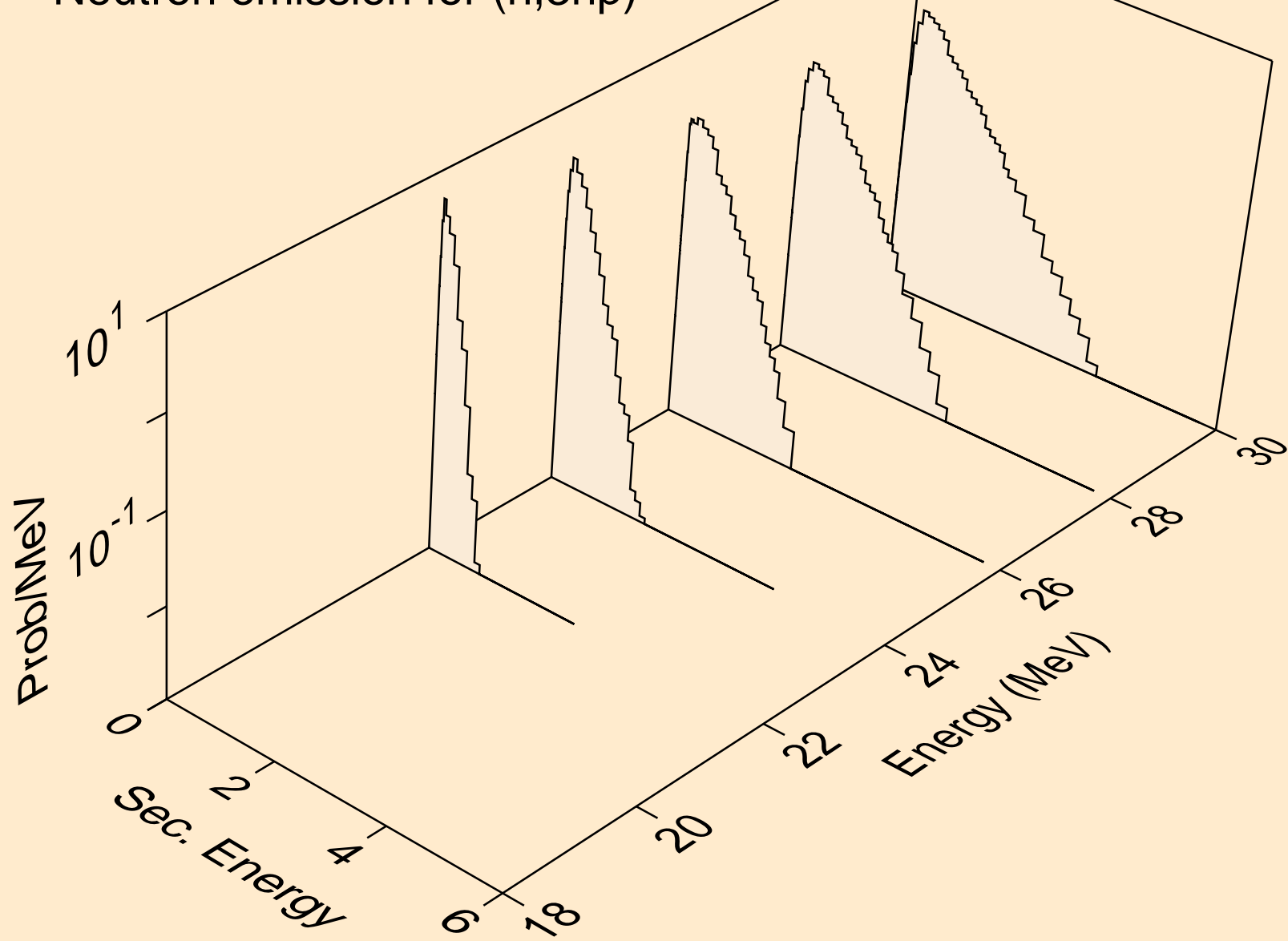
HF182M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,4n)



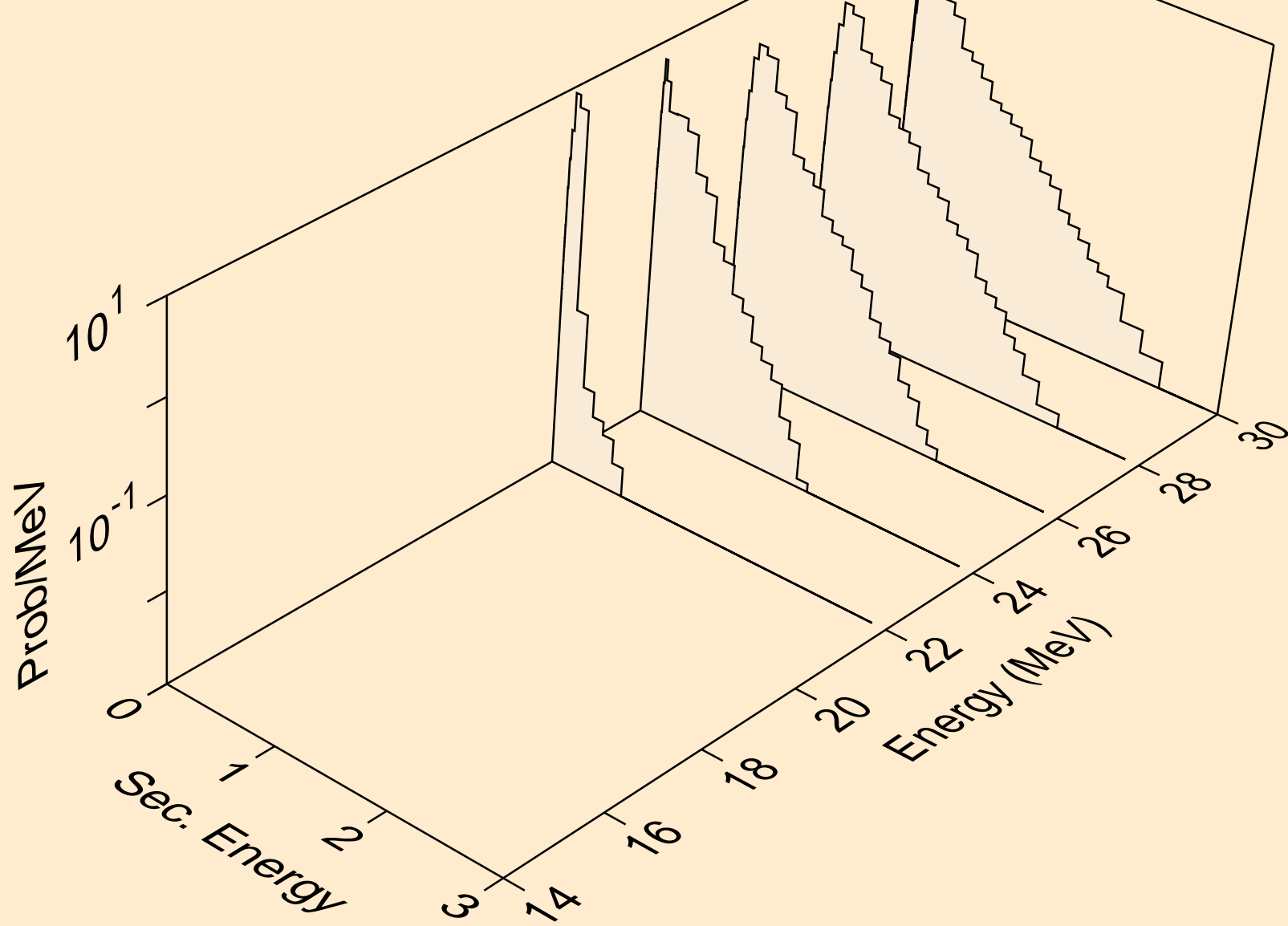
HF182M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2np)



HF182M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3np)

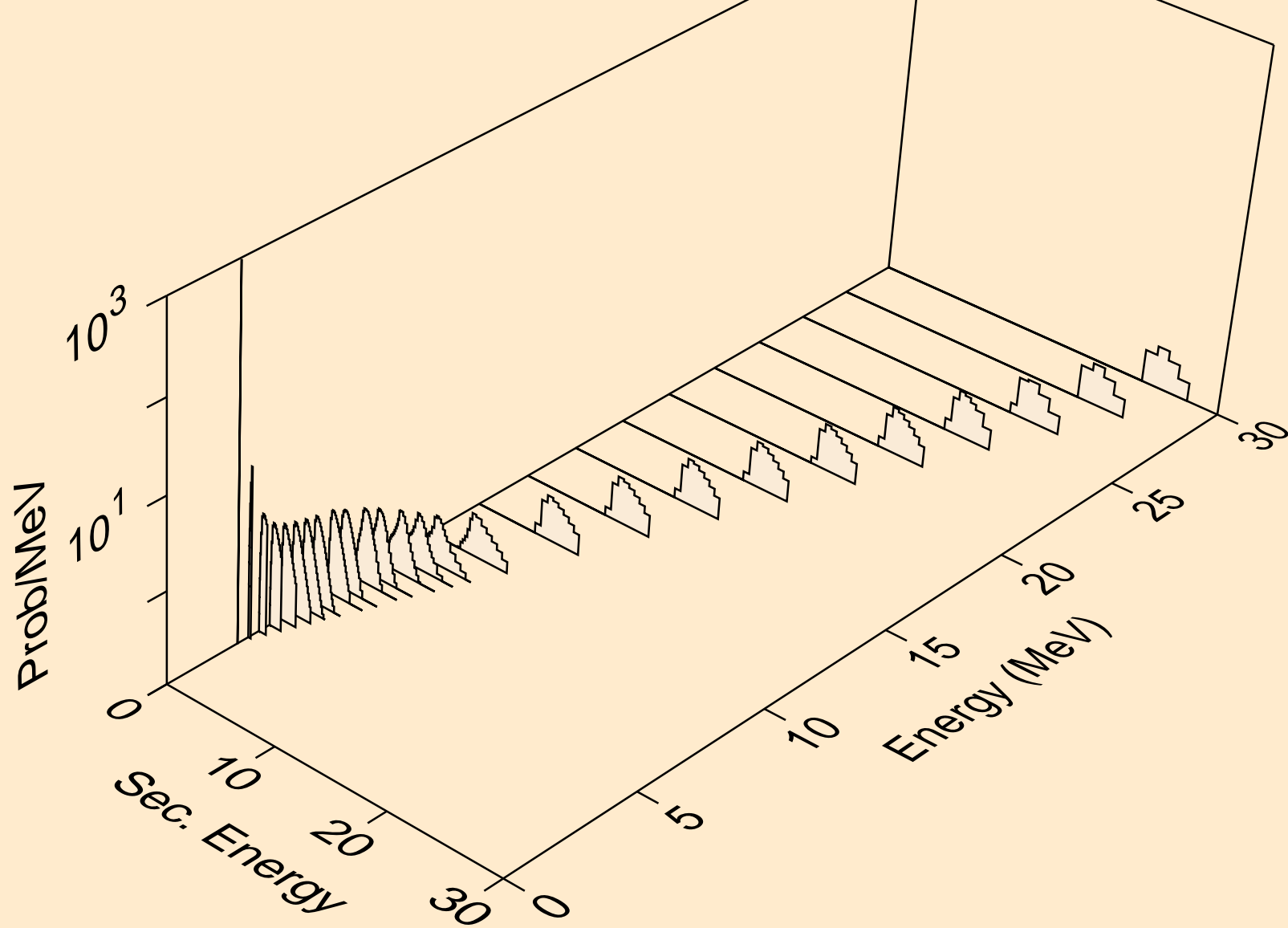


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Neutron emission for (n,2np)

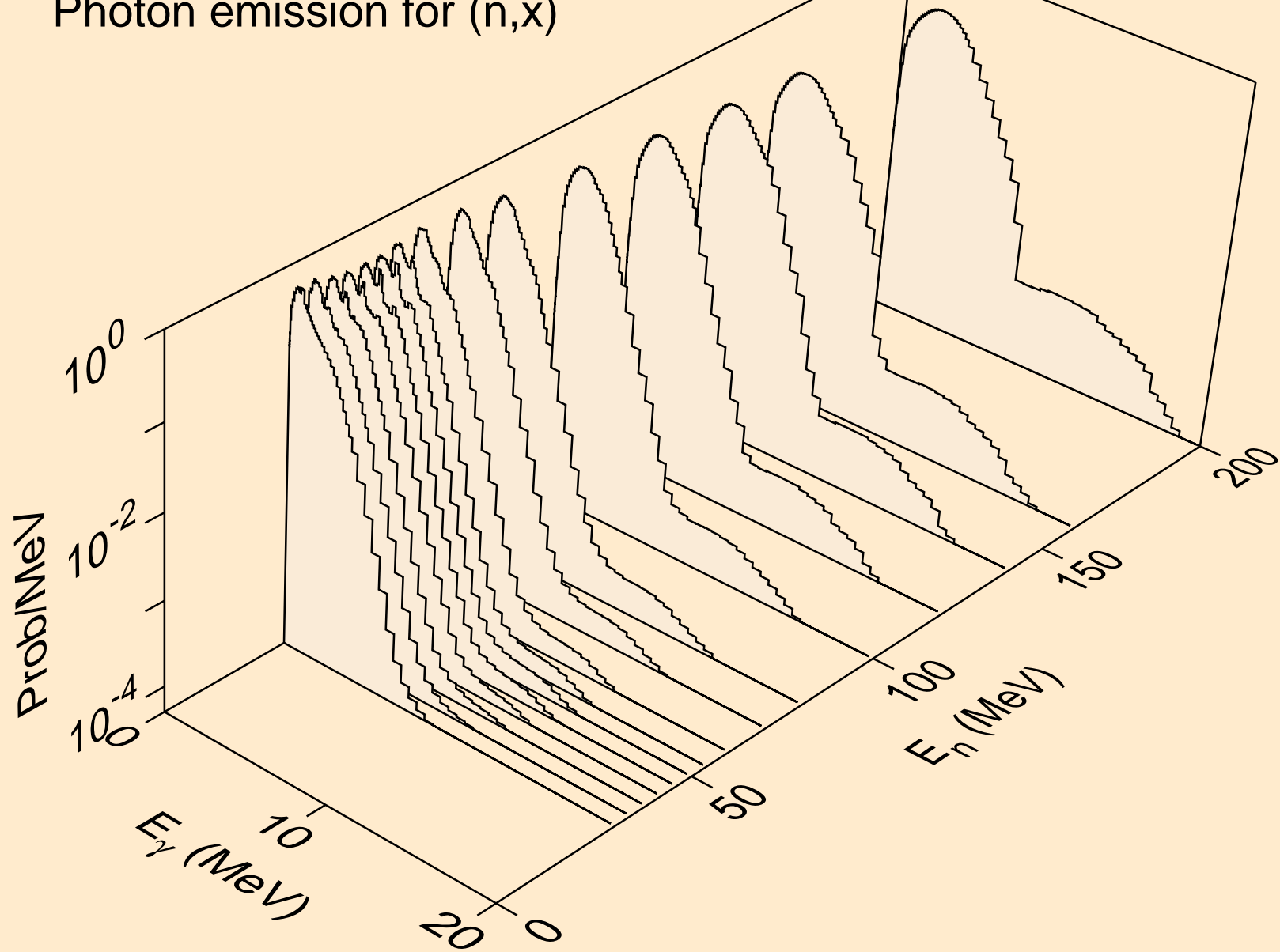




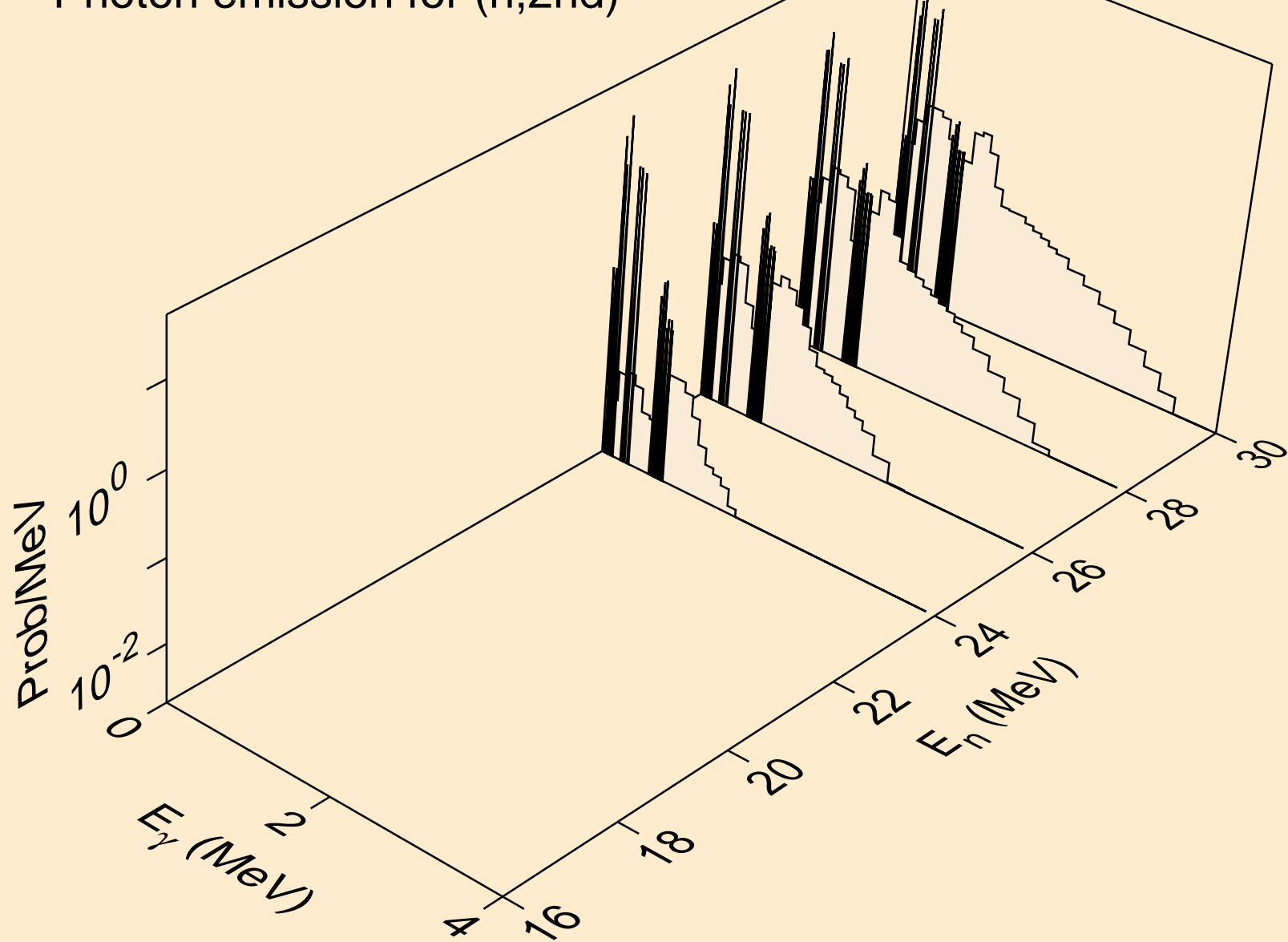
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Neutron emission for (n,n\*c)



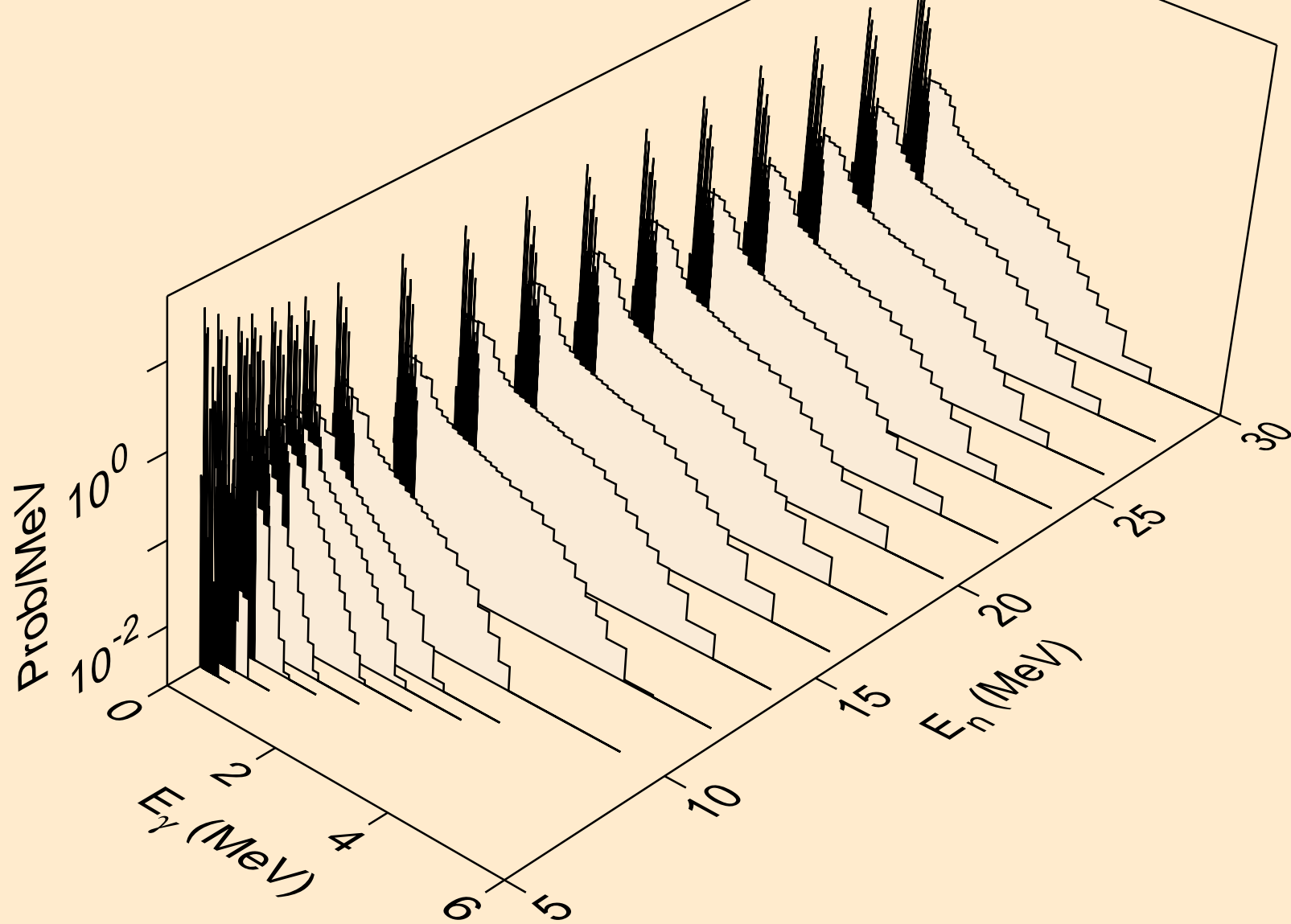
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Photon emission for (n,x)



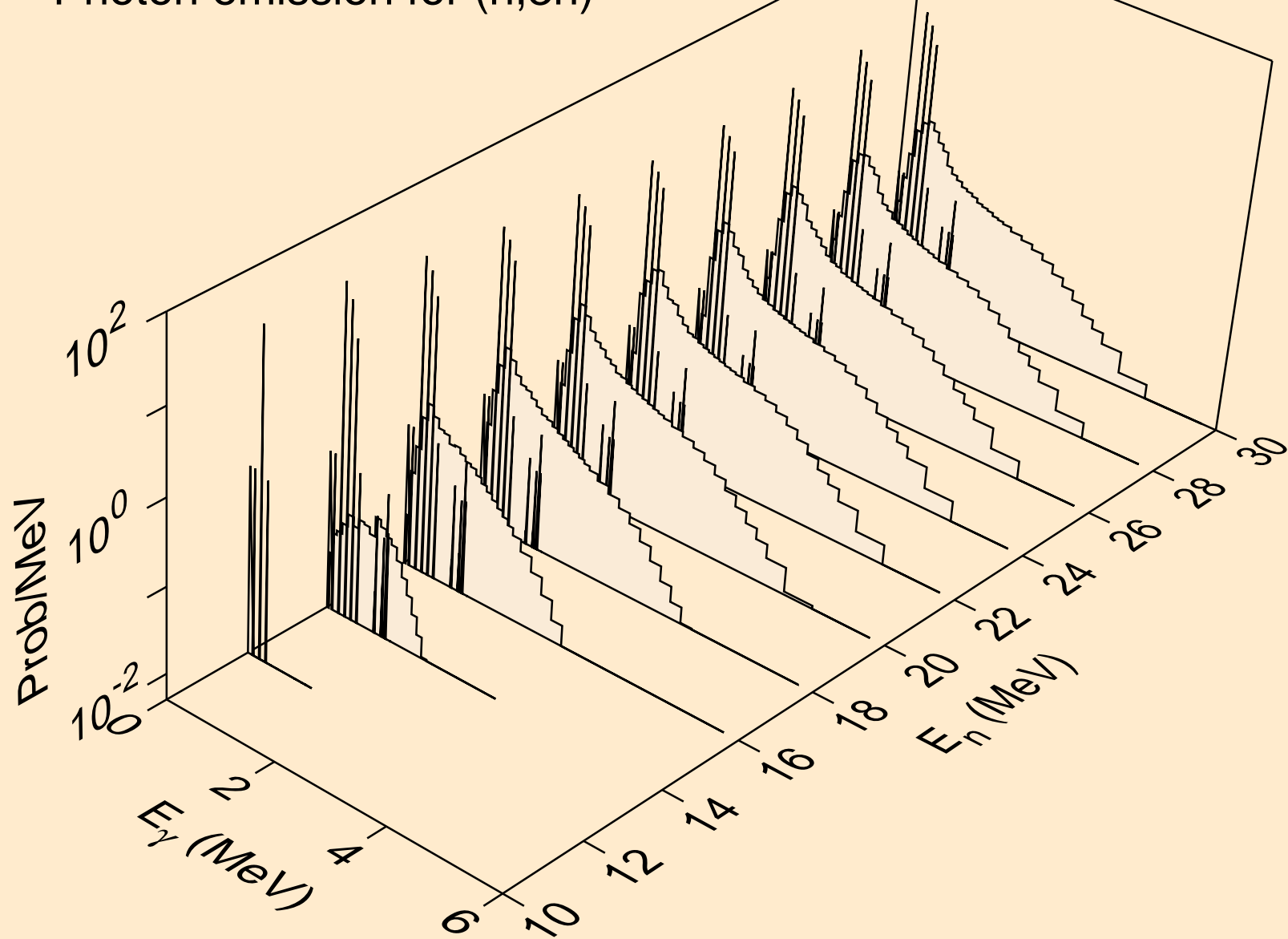
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Photon emission for (n,2nd)



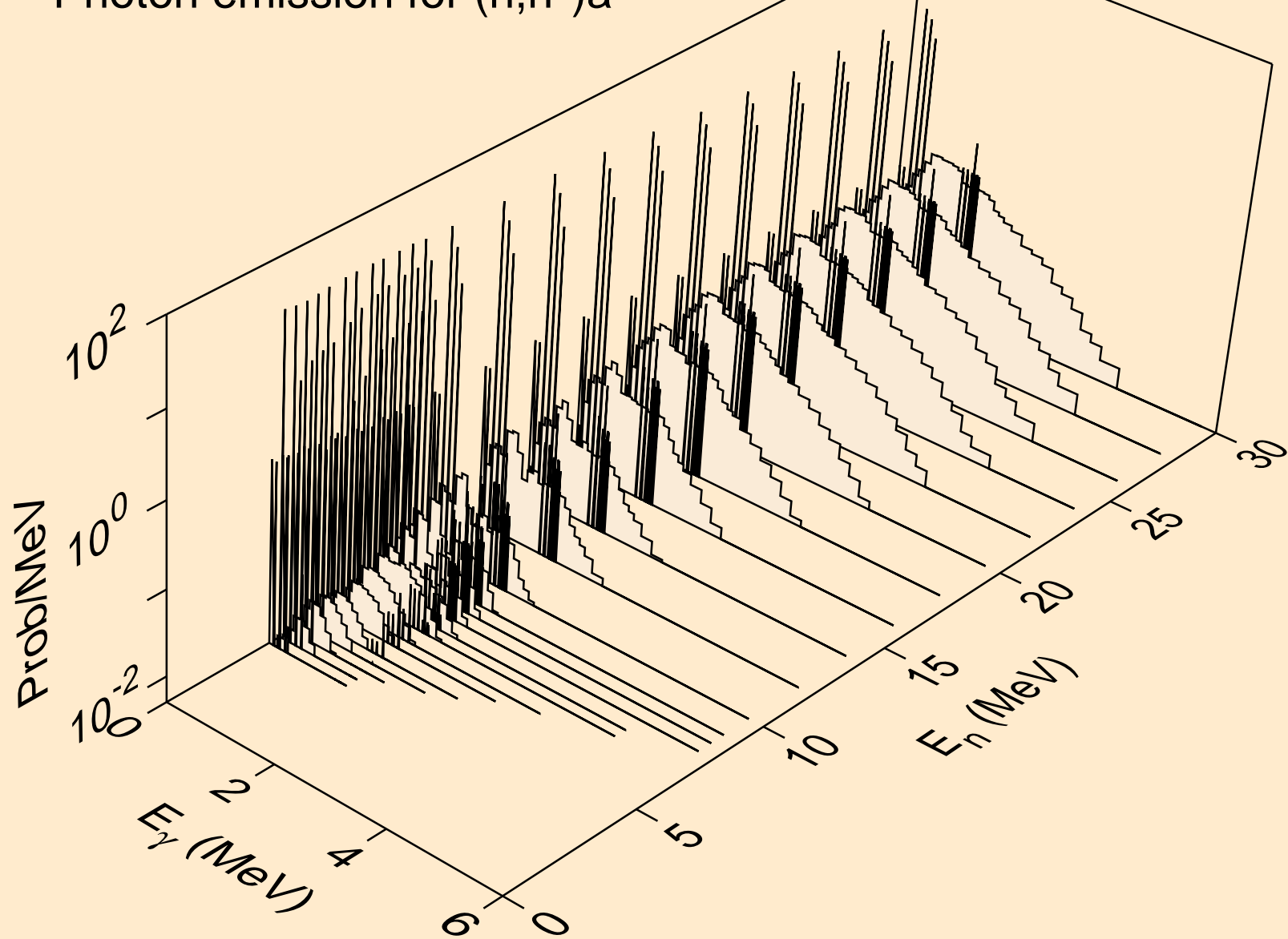
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Photon emission for (n,2n)



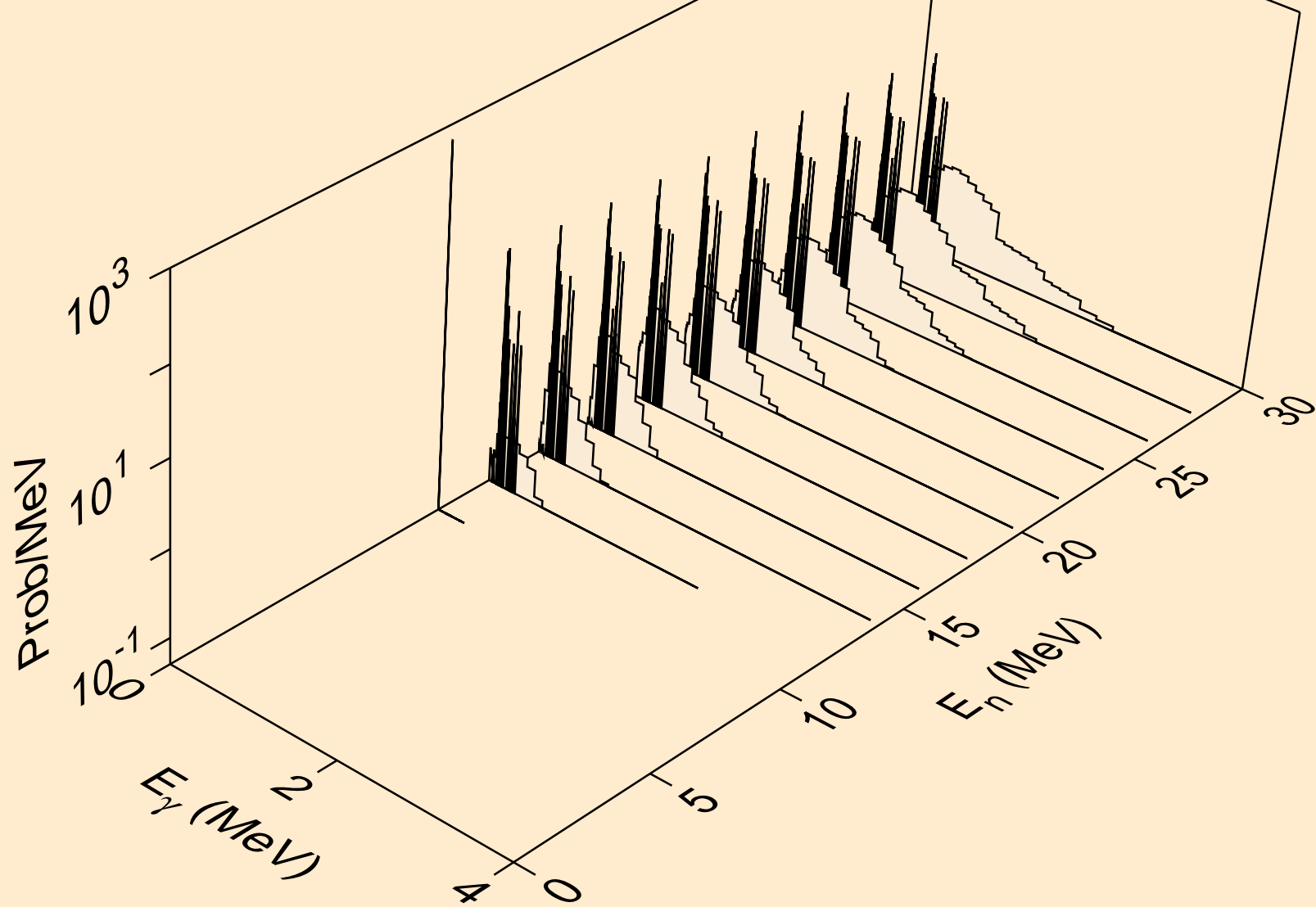
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Photon emission for (n,3n)



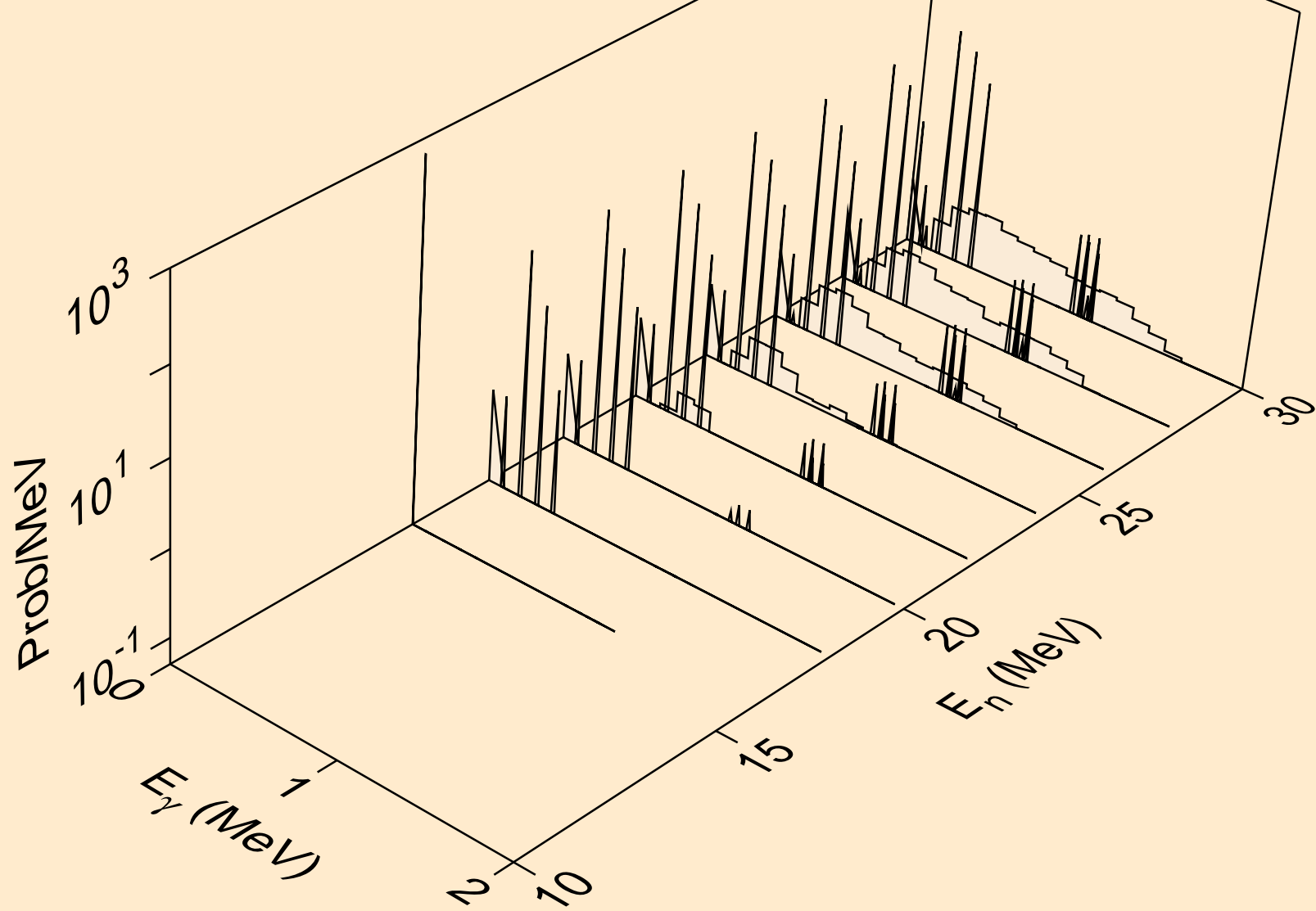
HF182M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)a



HF182M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2n) $\alpha$

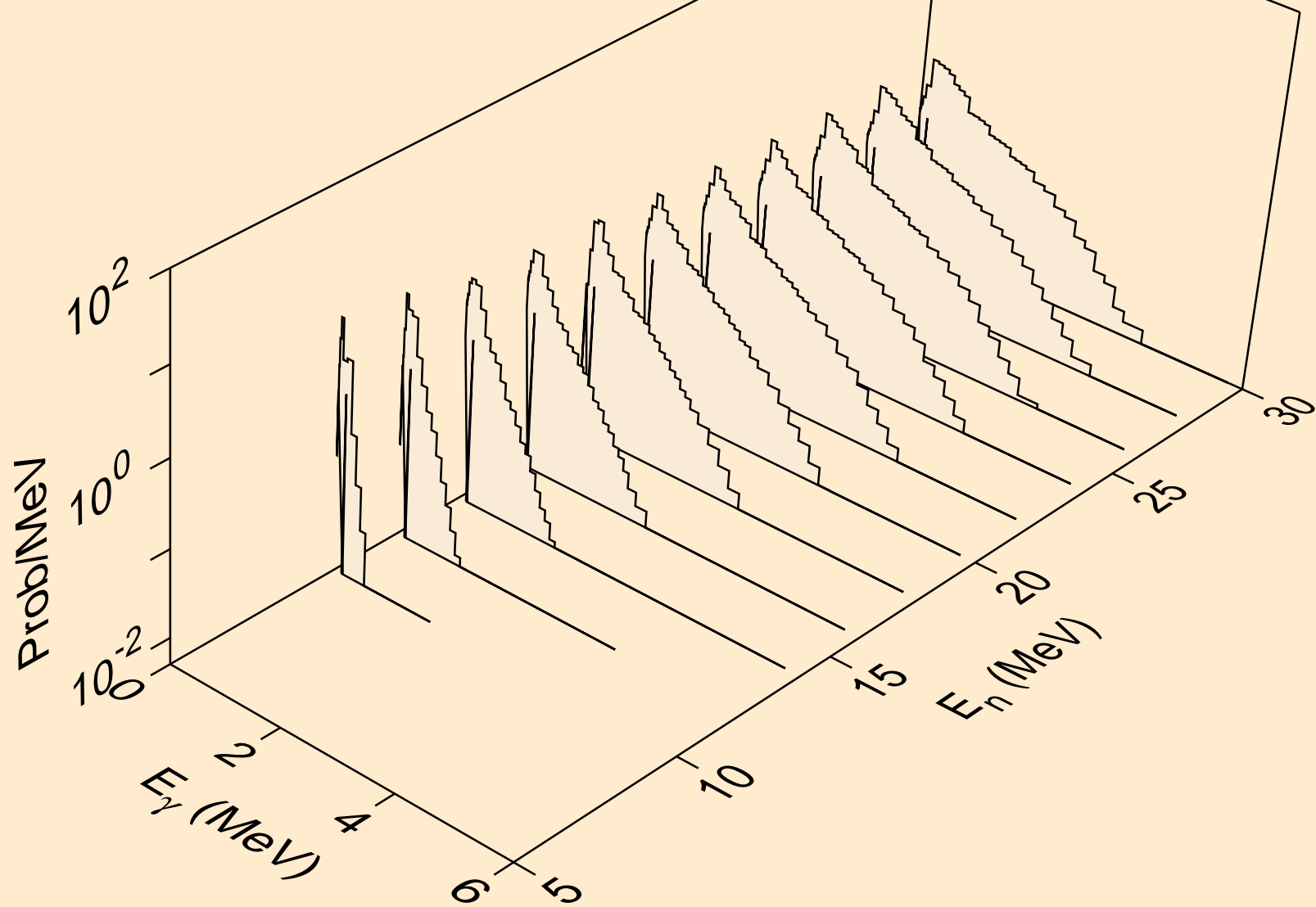


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Photon emission for (n,3n)a

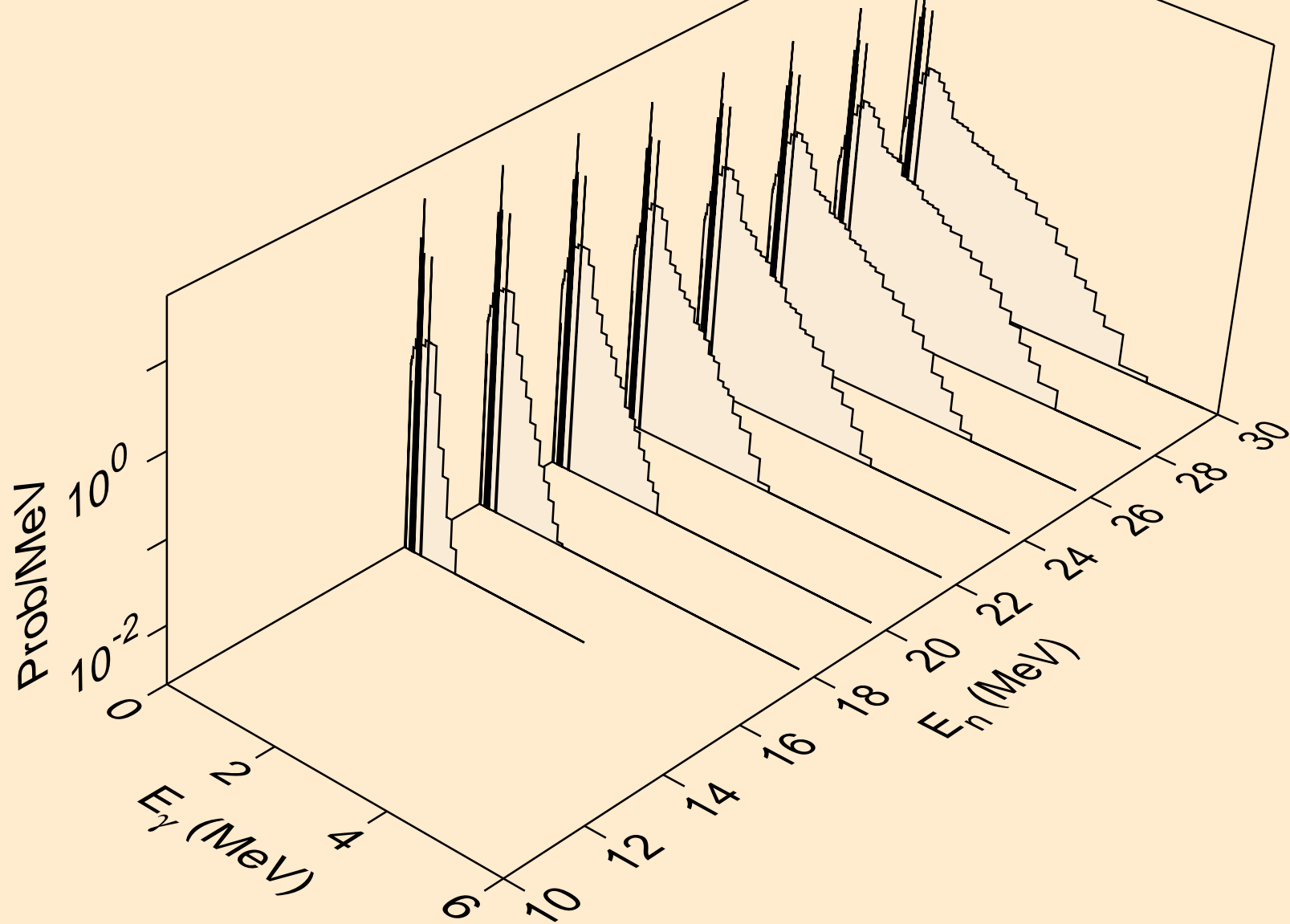




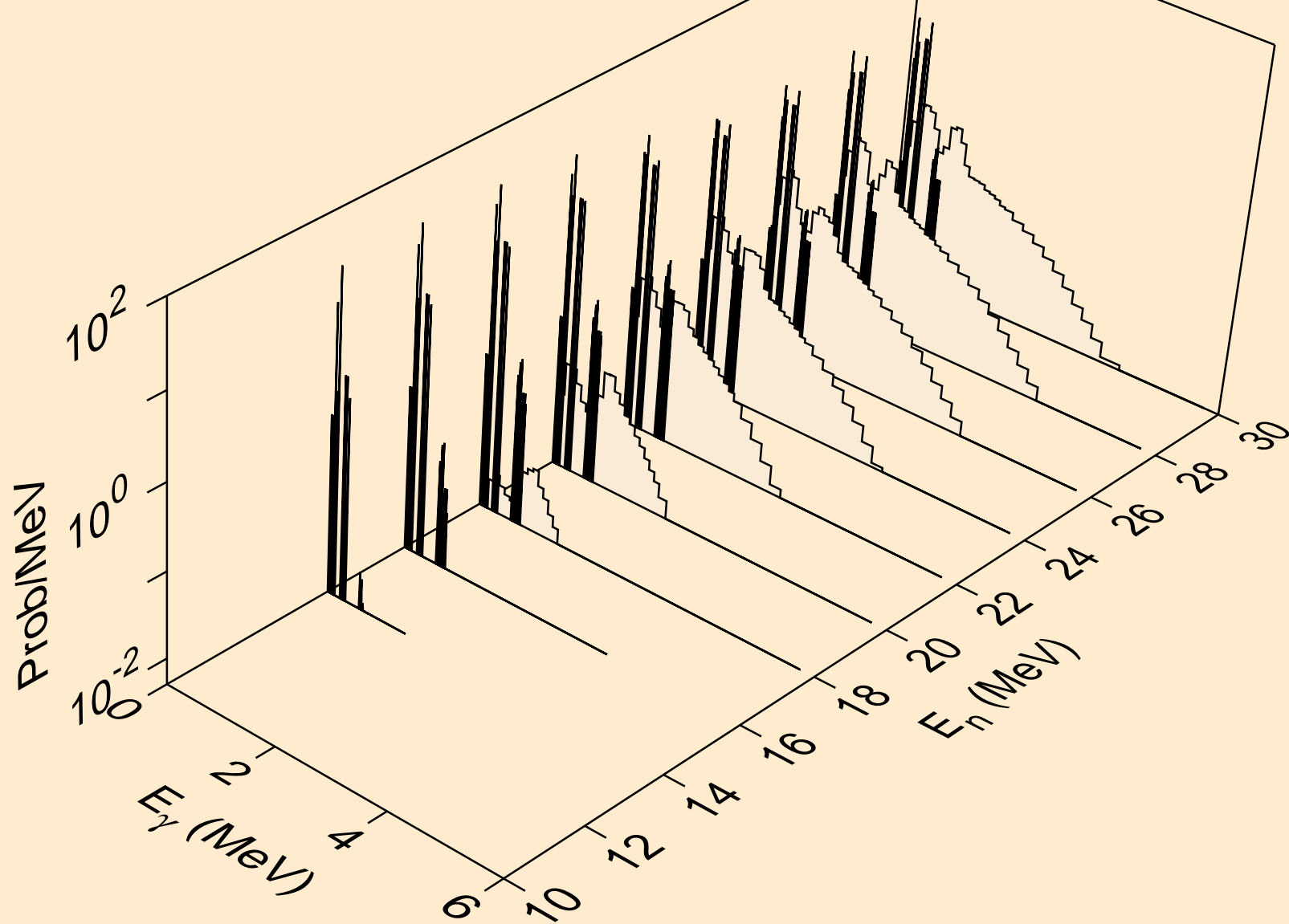
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Photon emission for (n,n\*)p



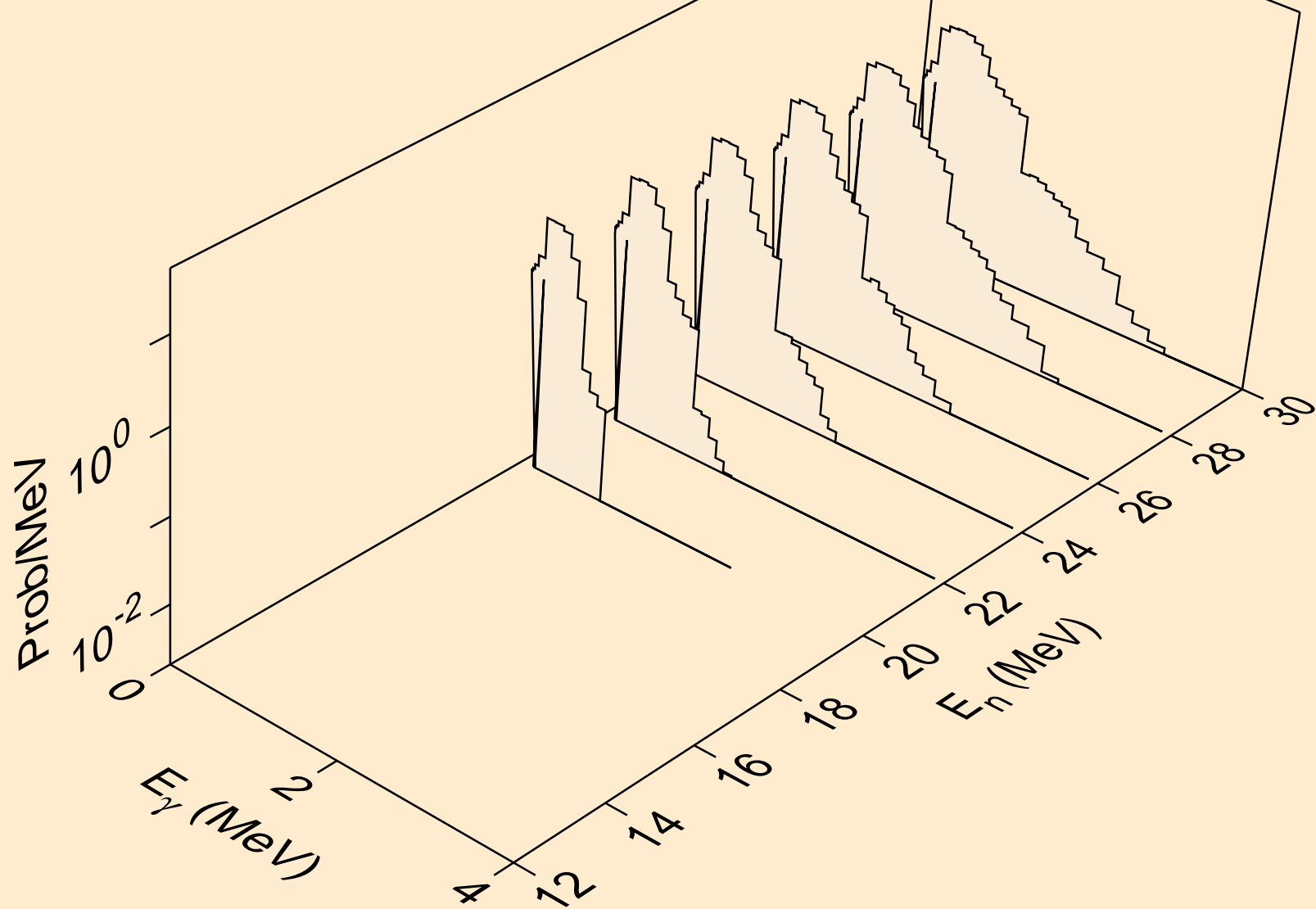
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Photon emission for (n,n\*)d



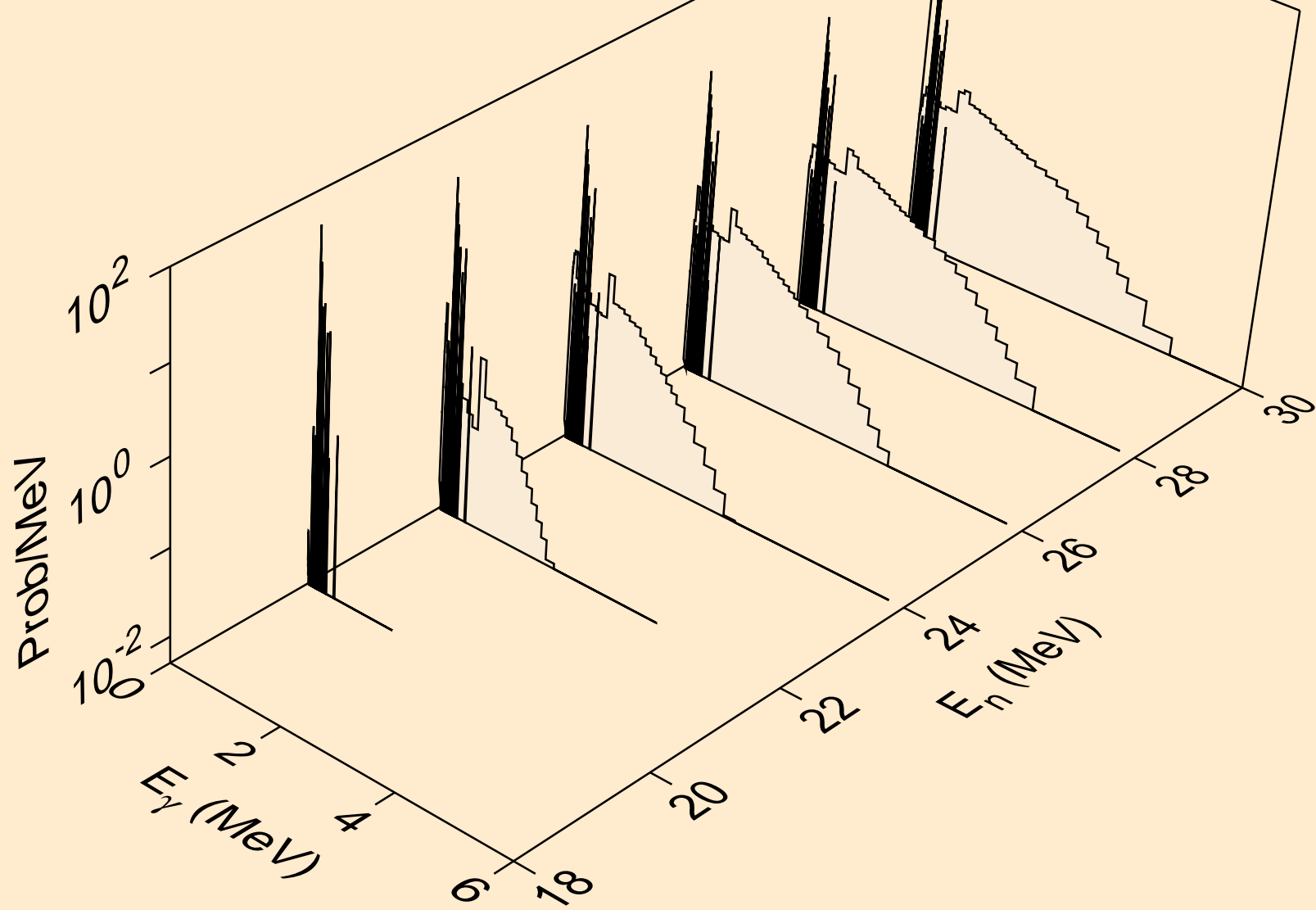
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Photon emission for (n,n\*)t



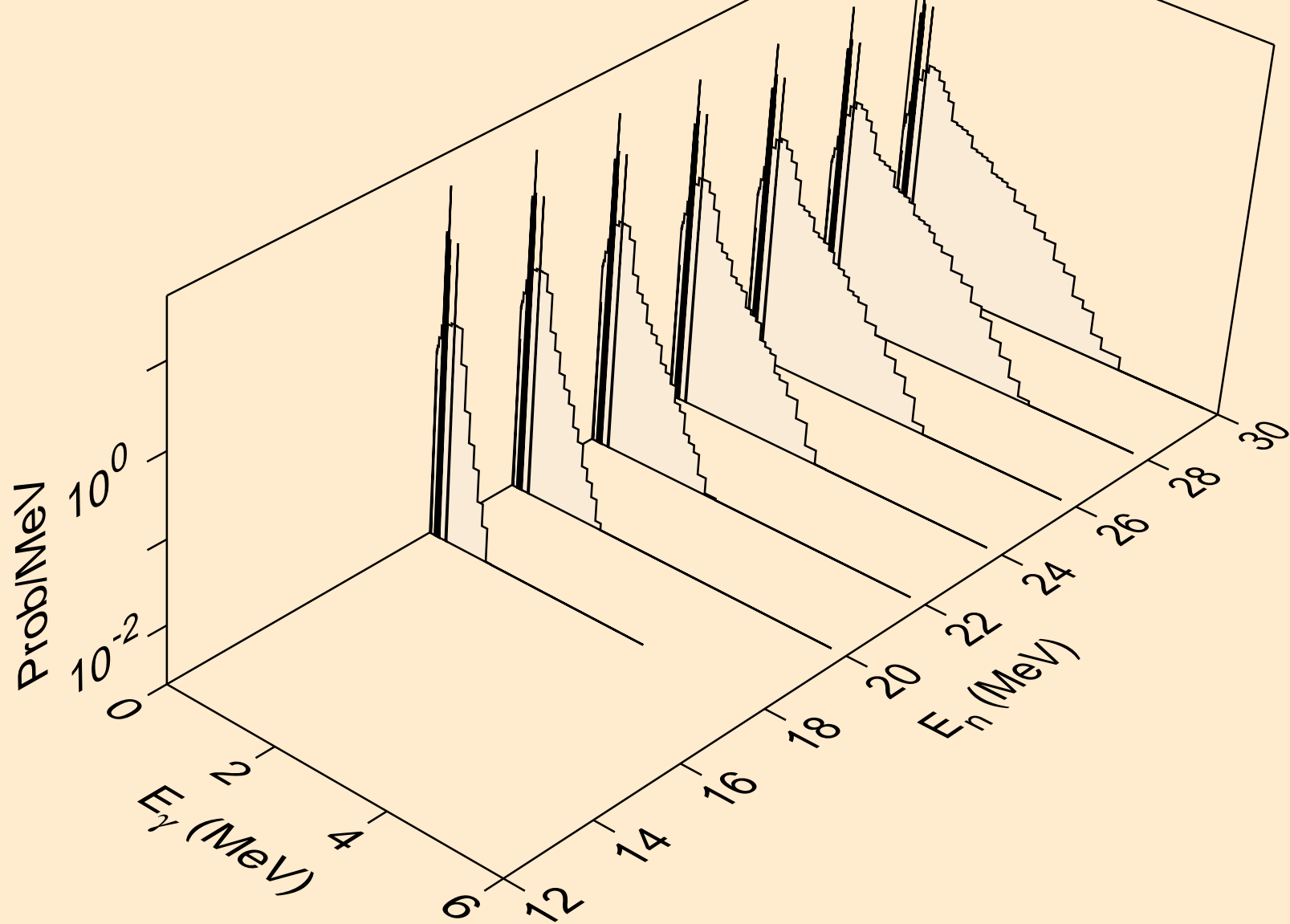
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Photon emission for (n,n\*)he3



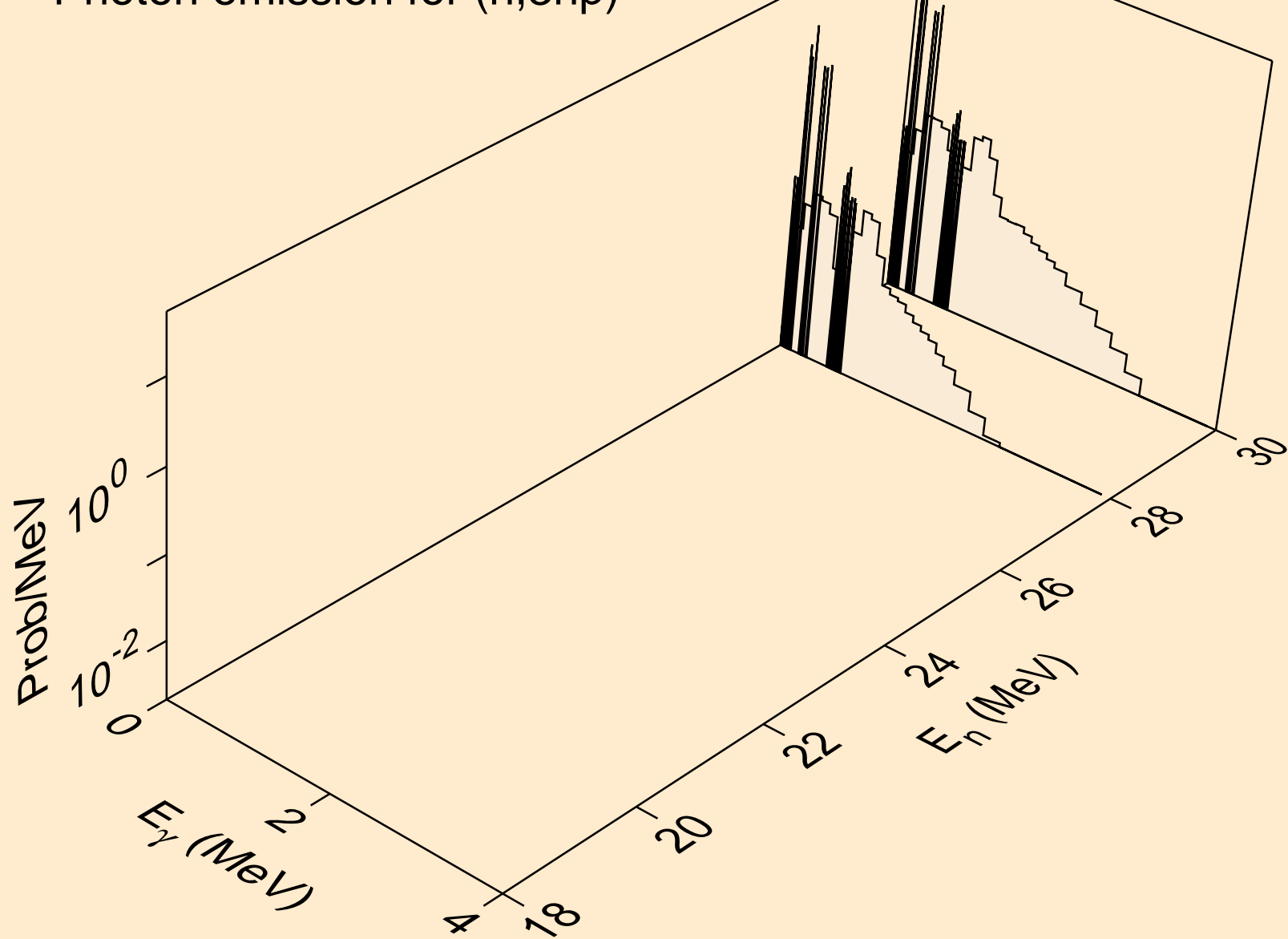
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Photon emission for (n,4n)



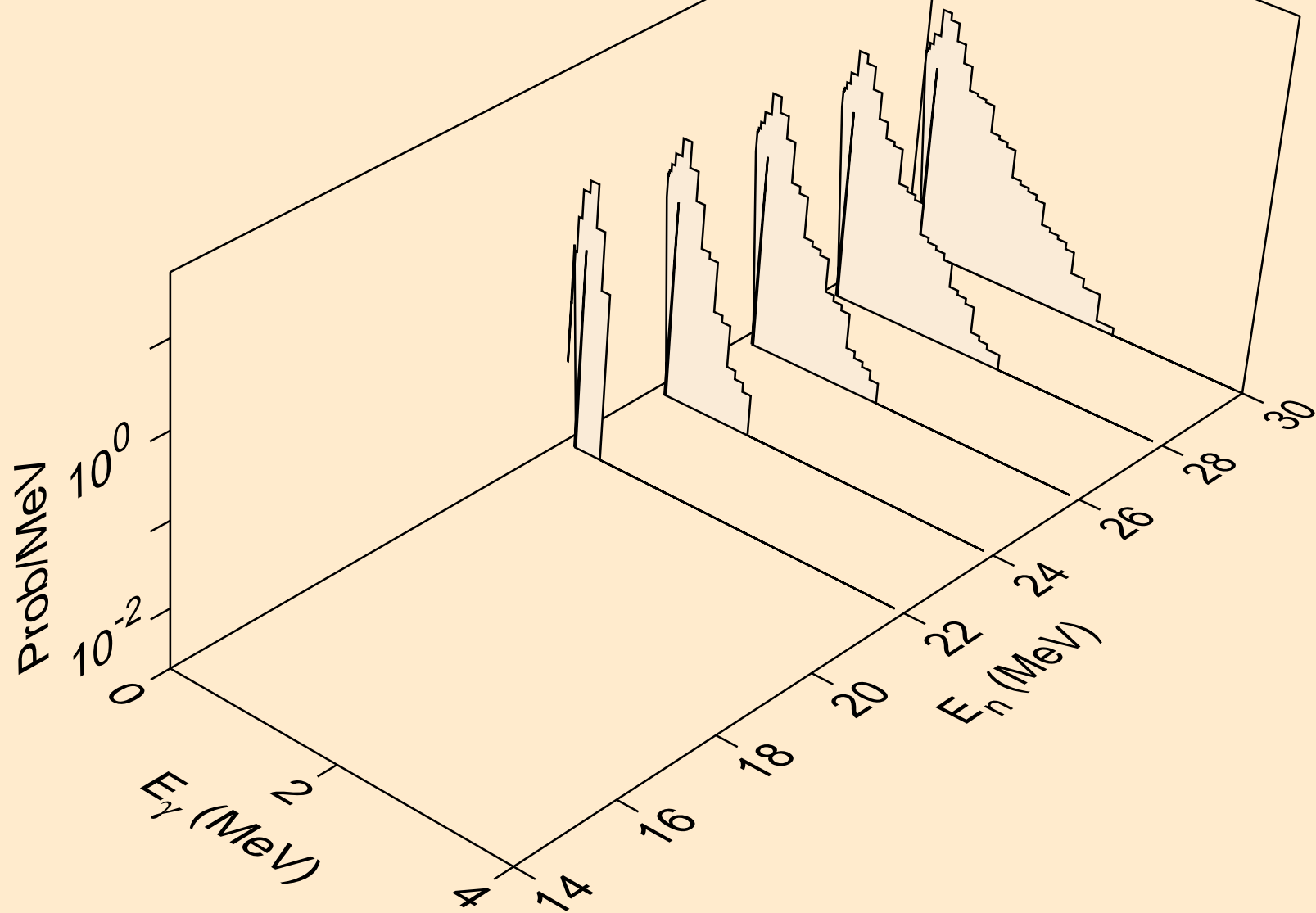
HF182M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2np)



HF182M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3np)

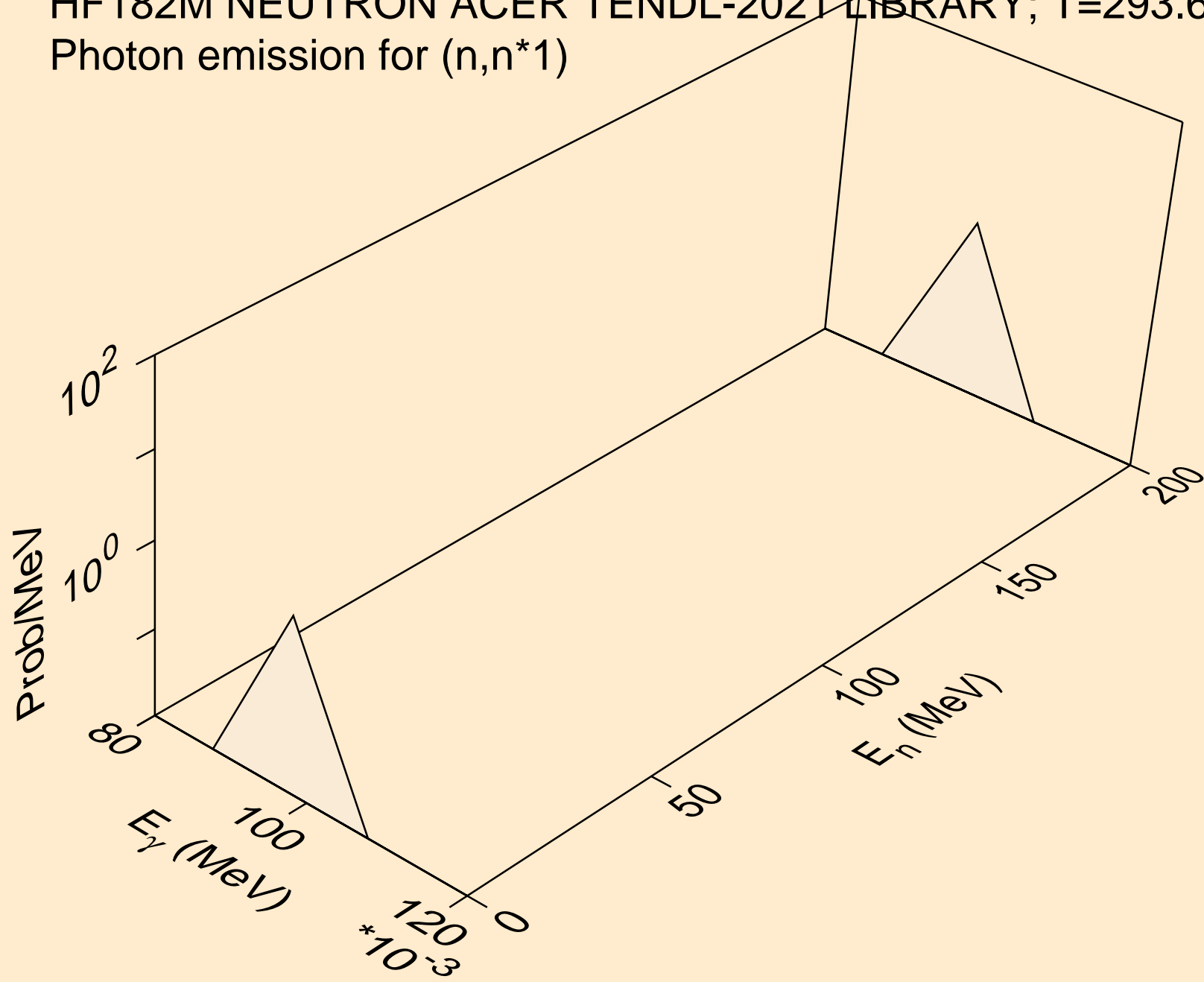


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Photon emission for (n,2np)

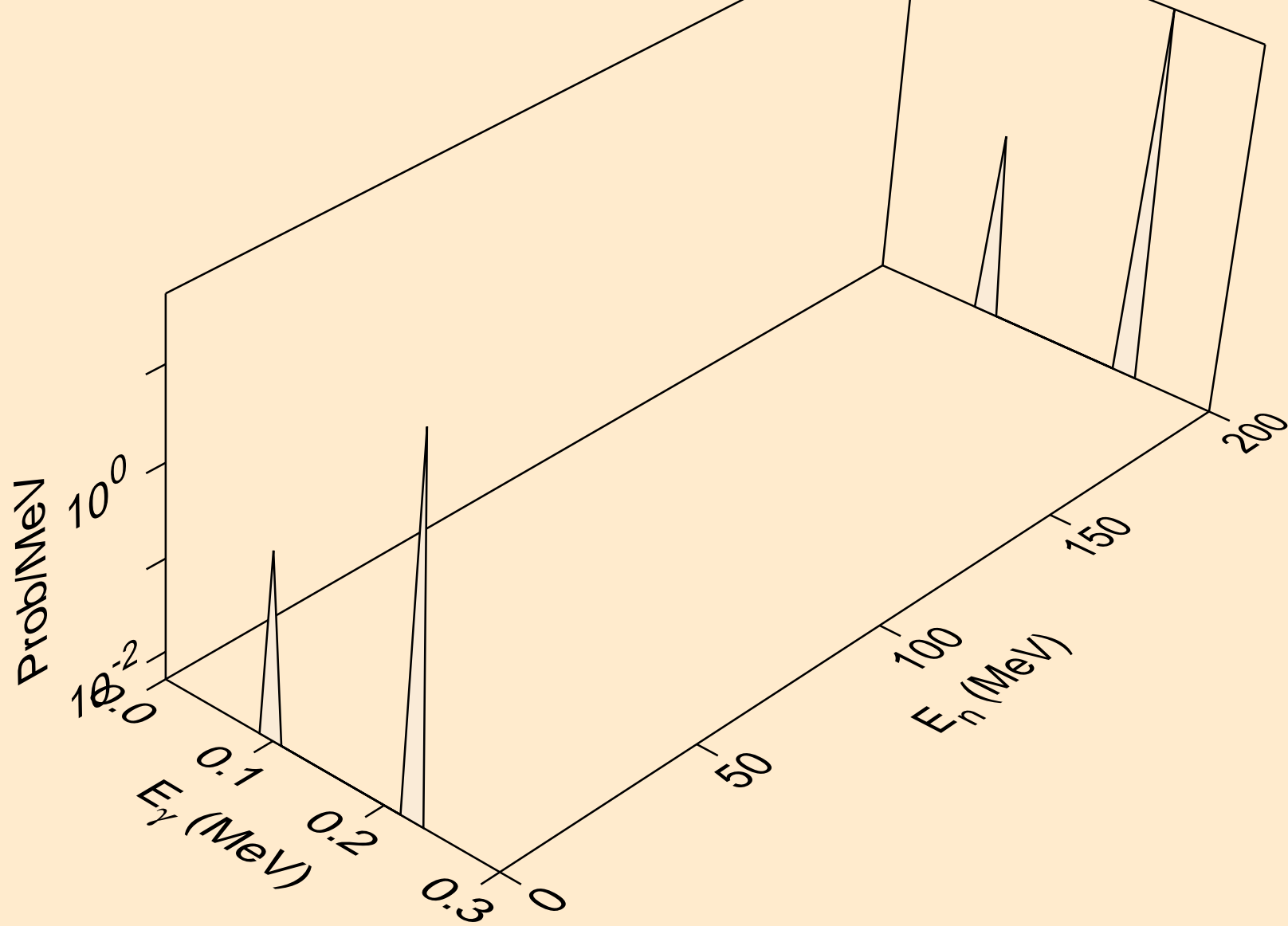




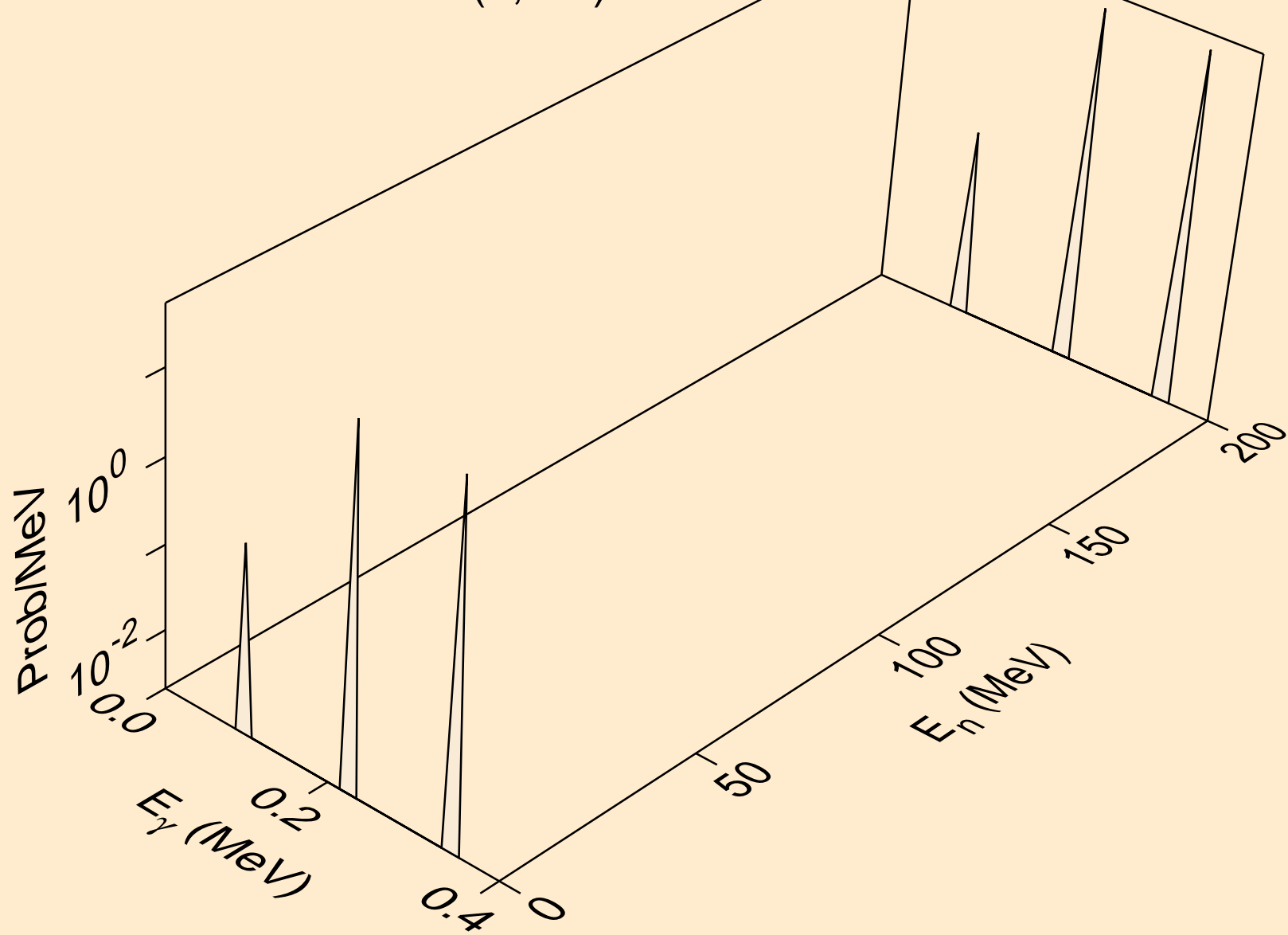
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Photon emission for (n,n\*1)



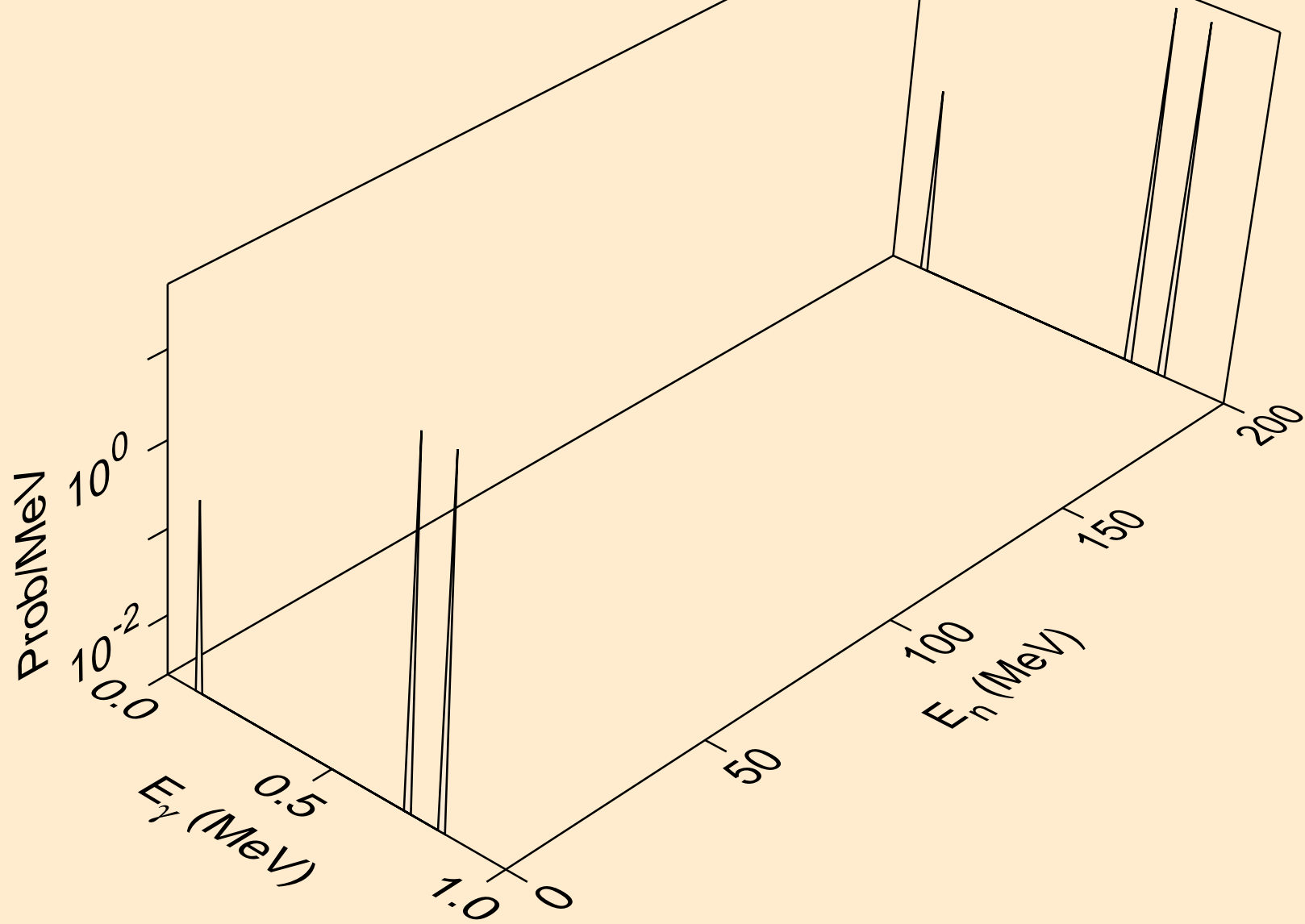
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Photon emission for (n,n\*2)



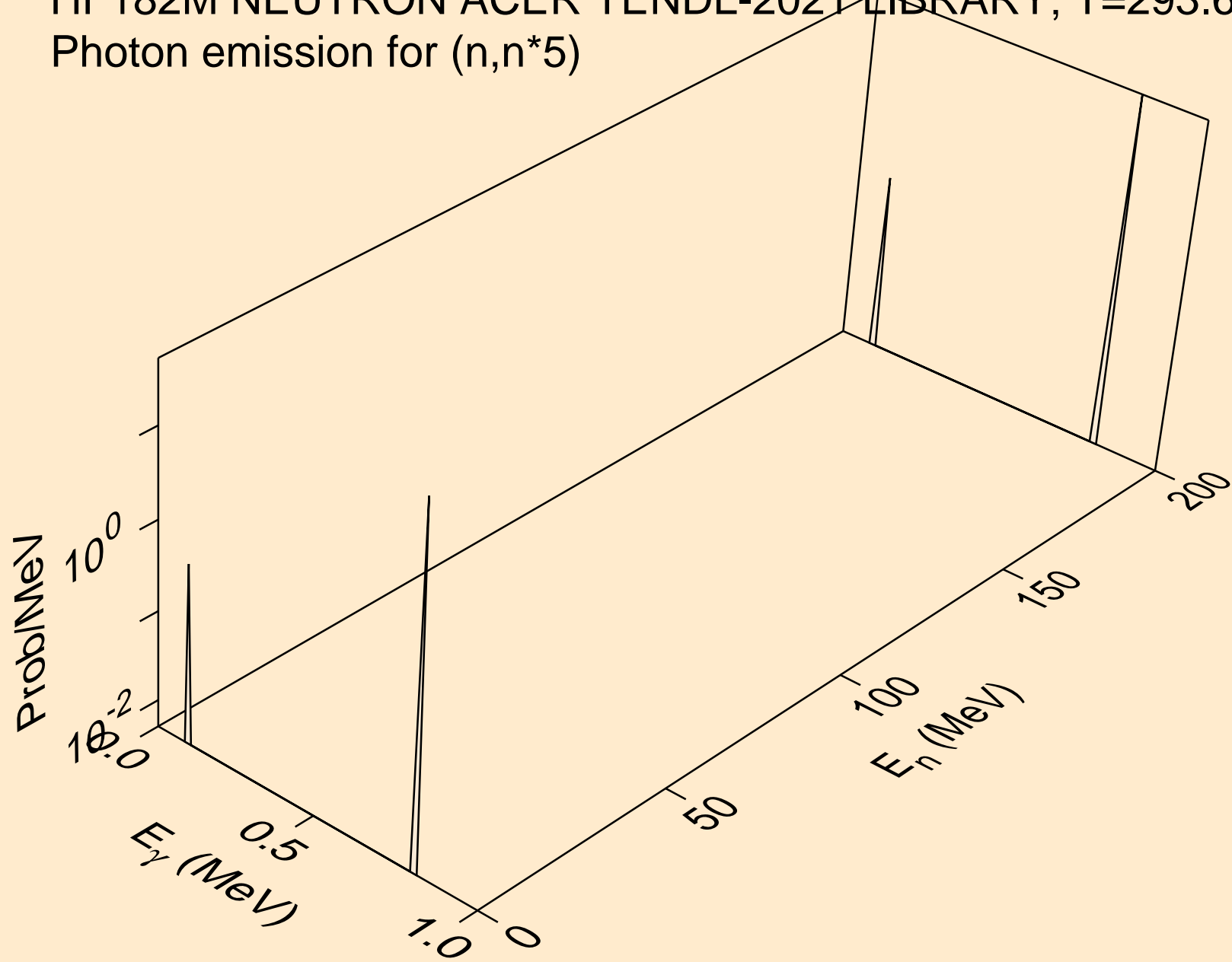
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Photon emission for (n,n\*3)



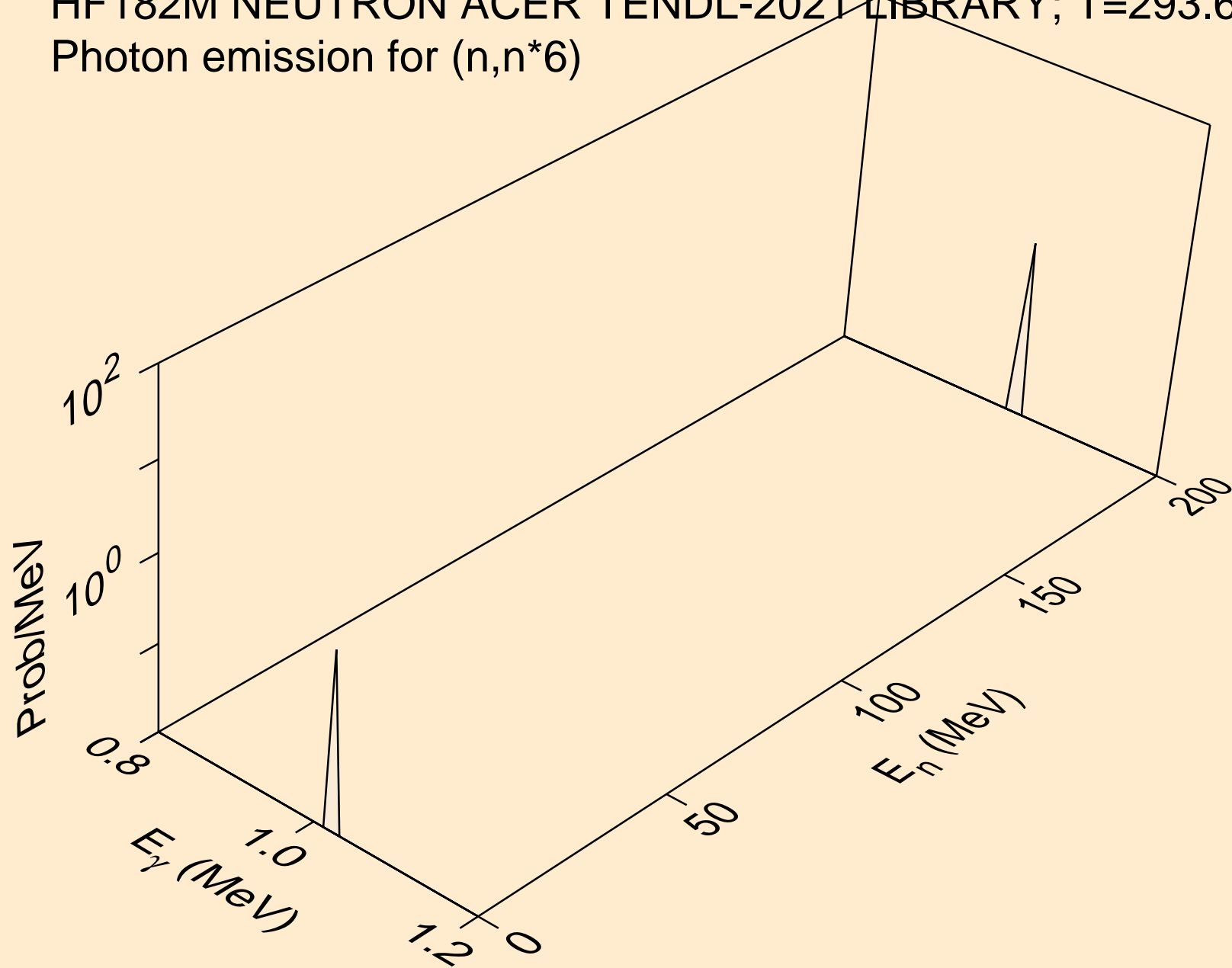
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Photon emission for (n,n\*4)



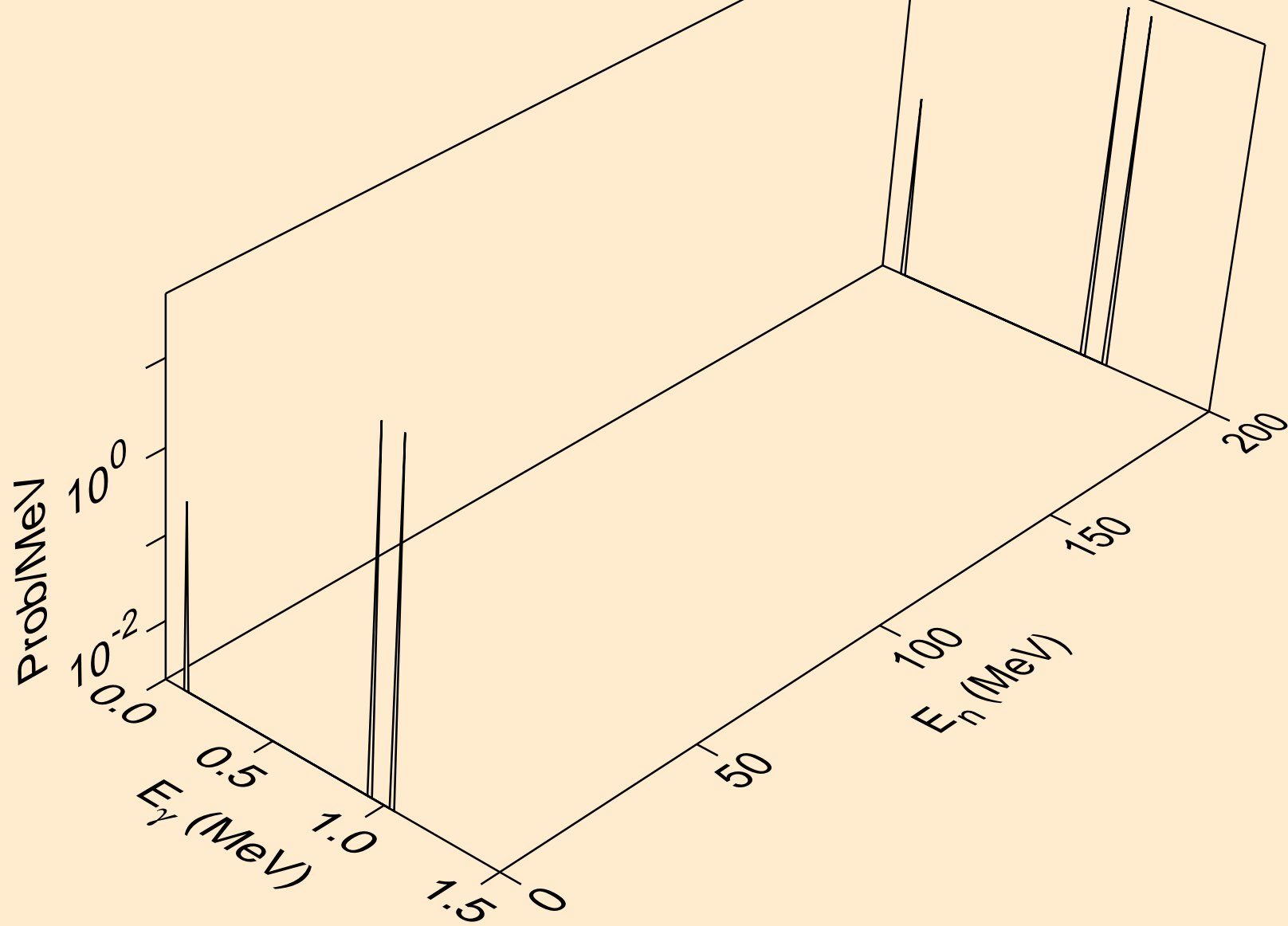
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Photon emission for (n,n\*5)



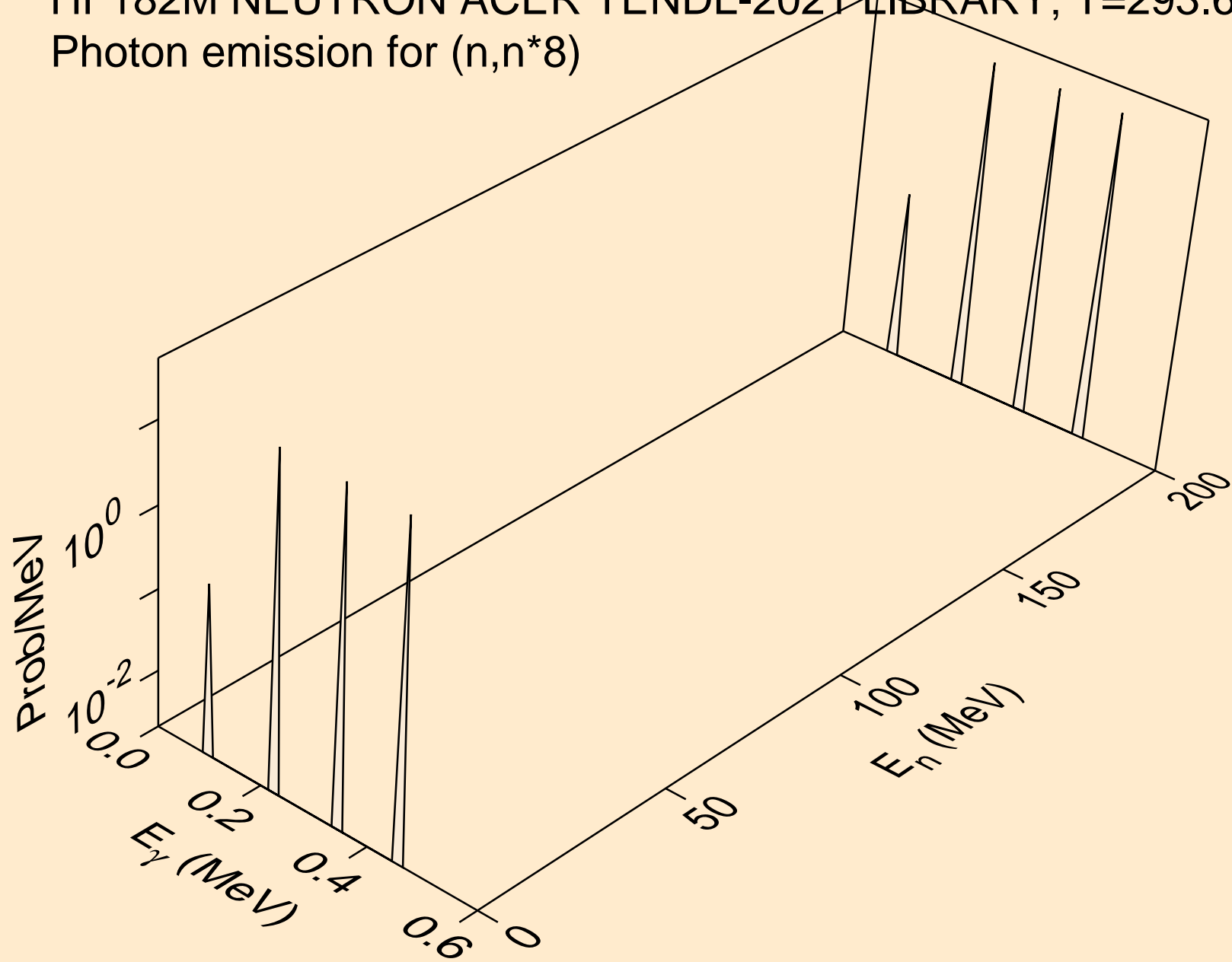
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Photon emission for (n,n\*6)



HF182M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*7)

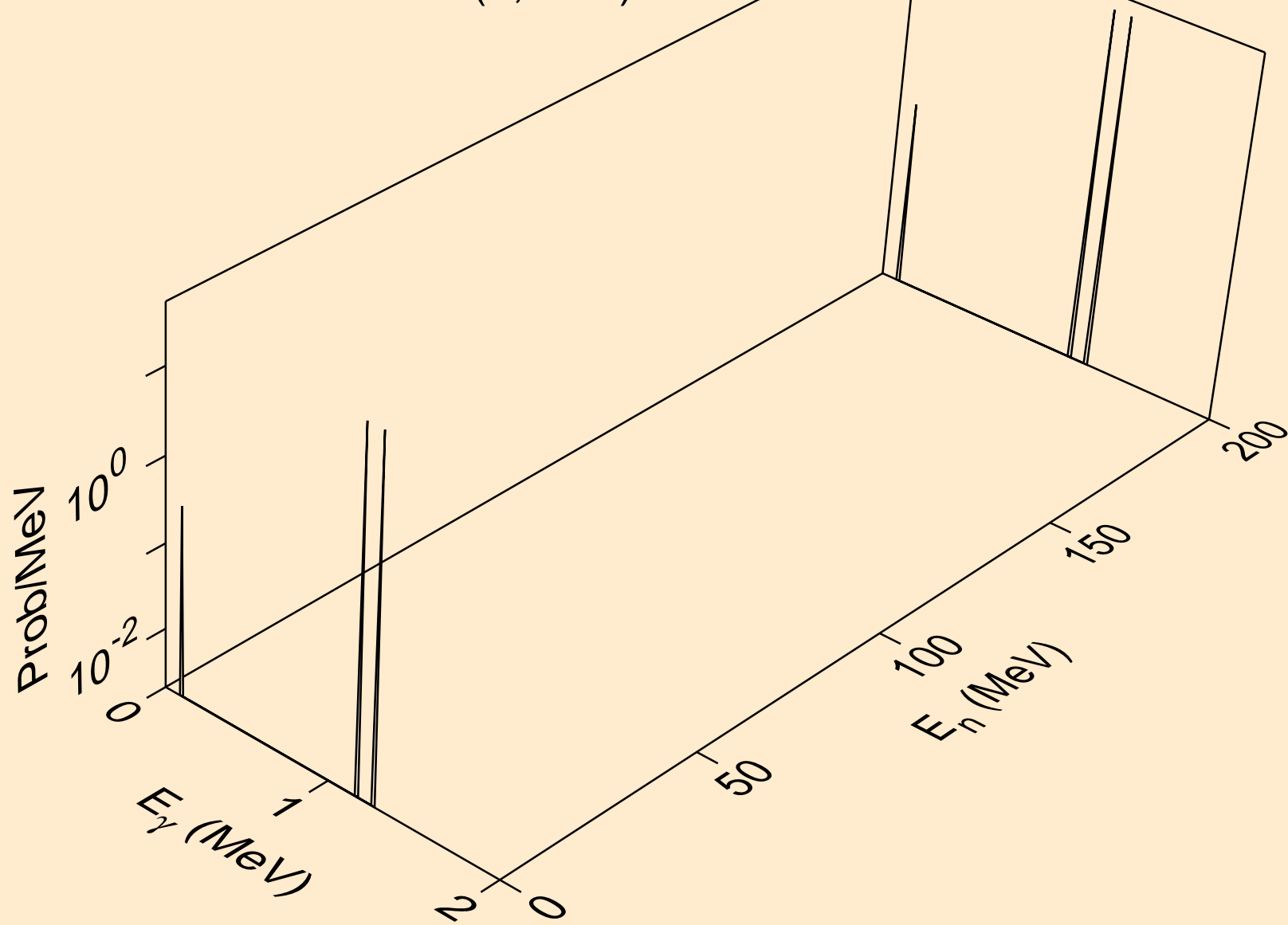


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Photon emission for (n,n\*8)

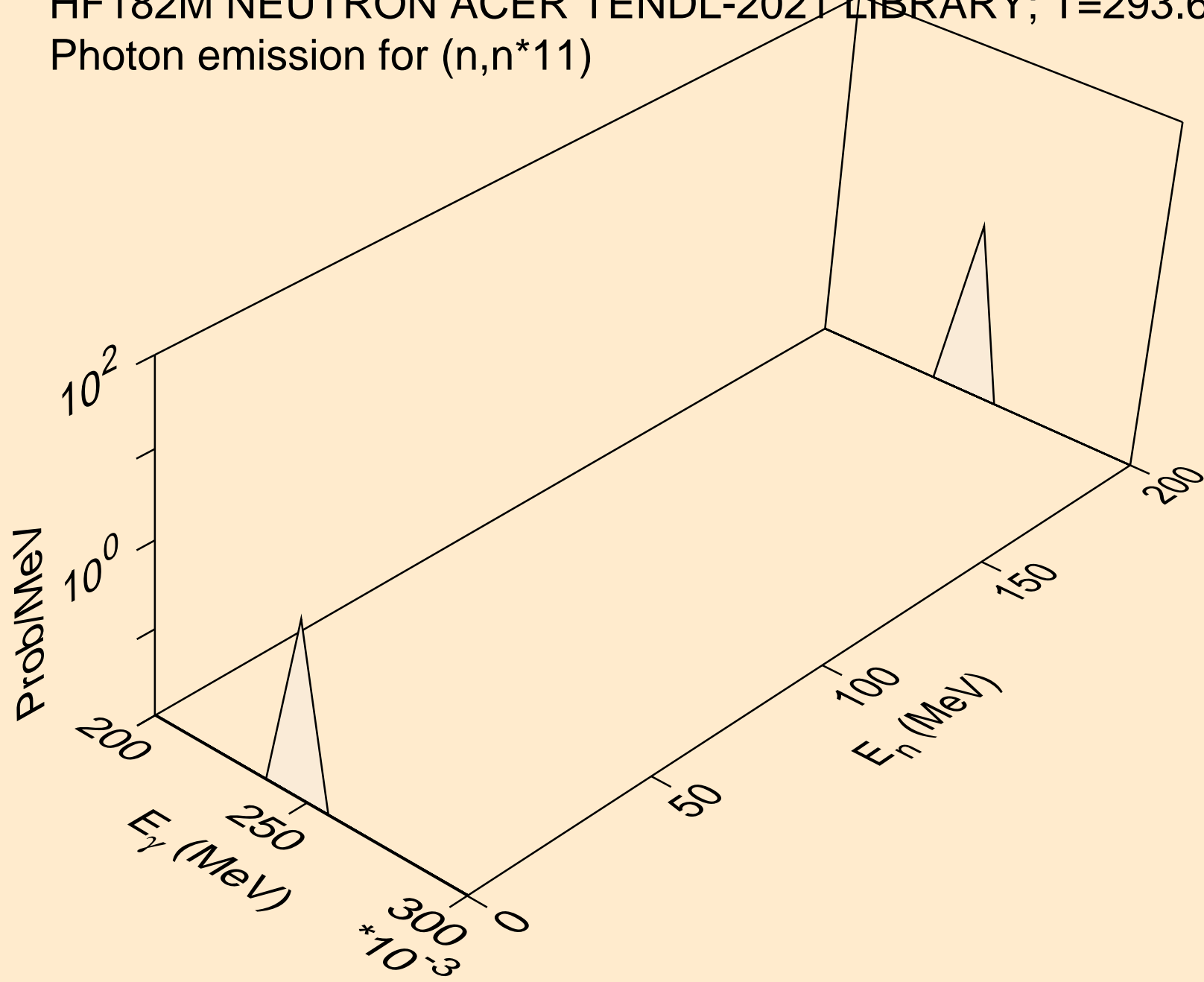




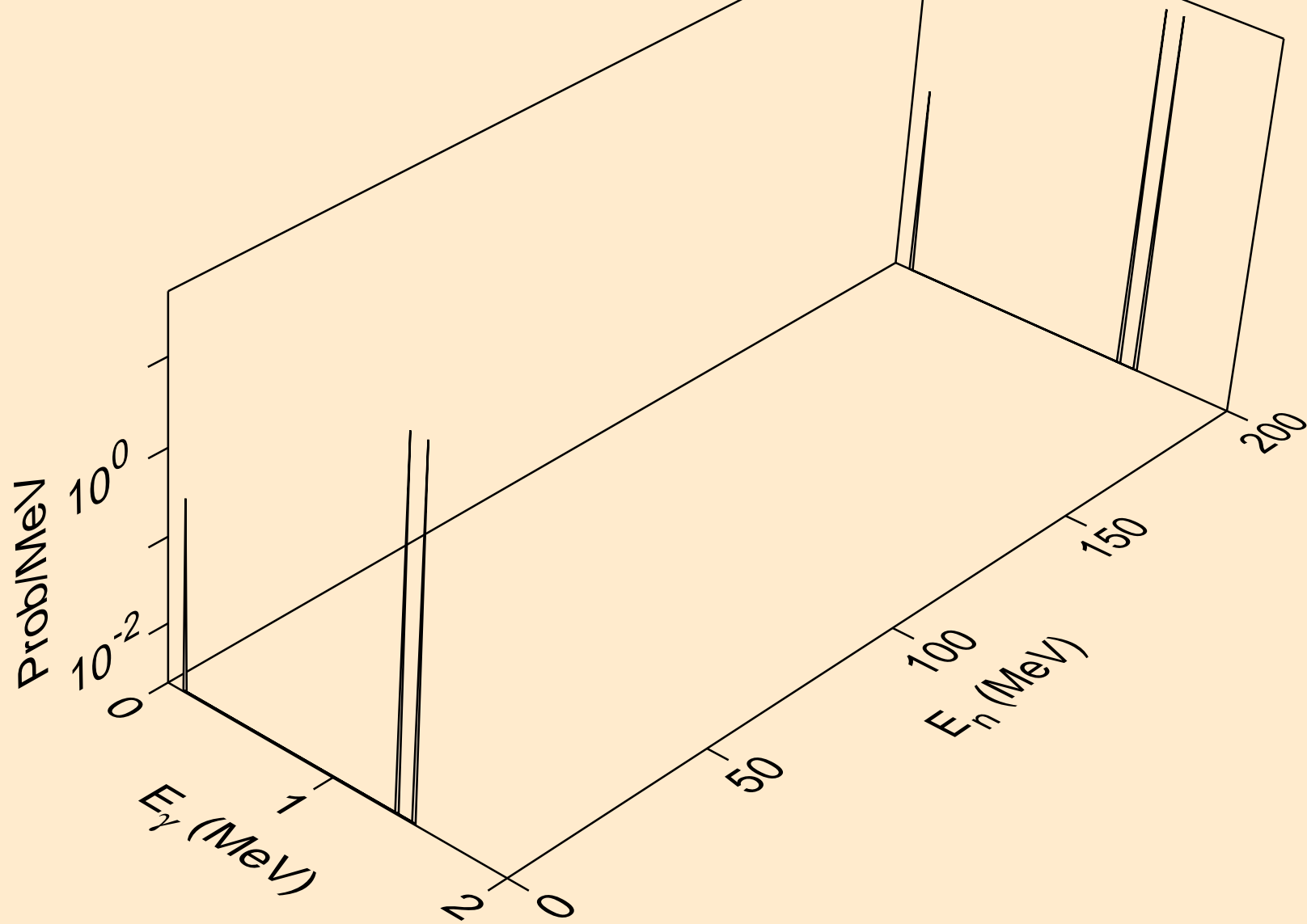
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Photon emission for (n,n\*10)



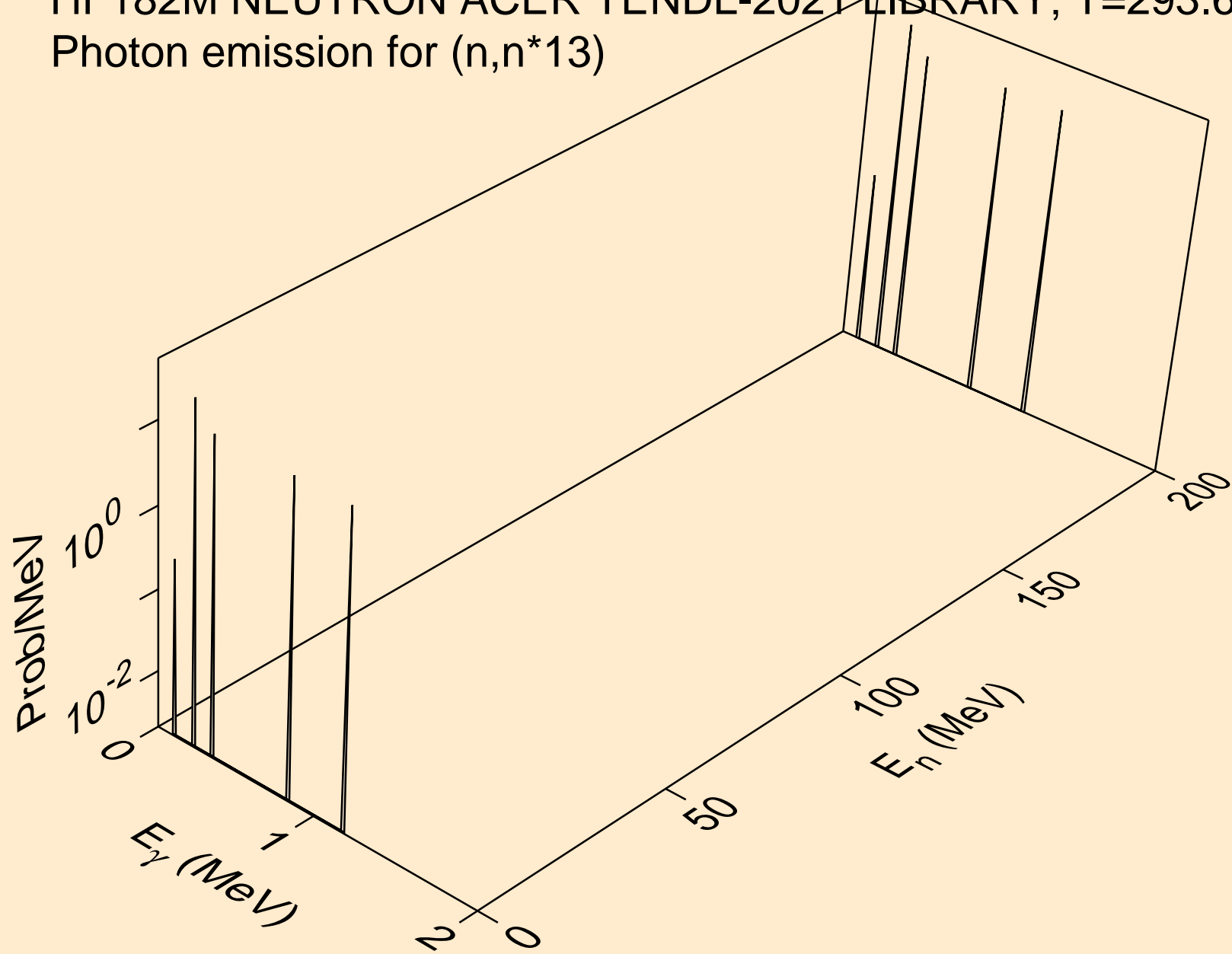
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Photon emission for (n,n\*11)



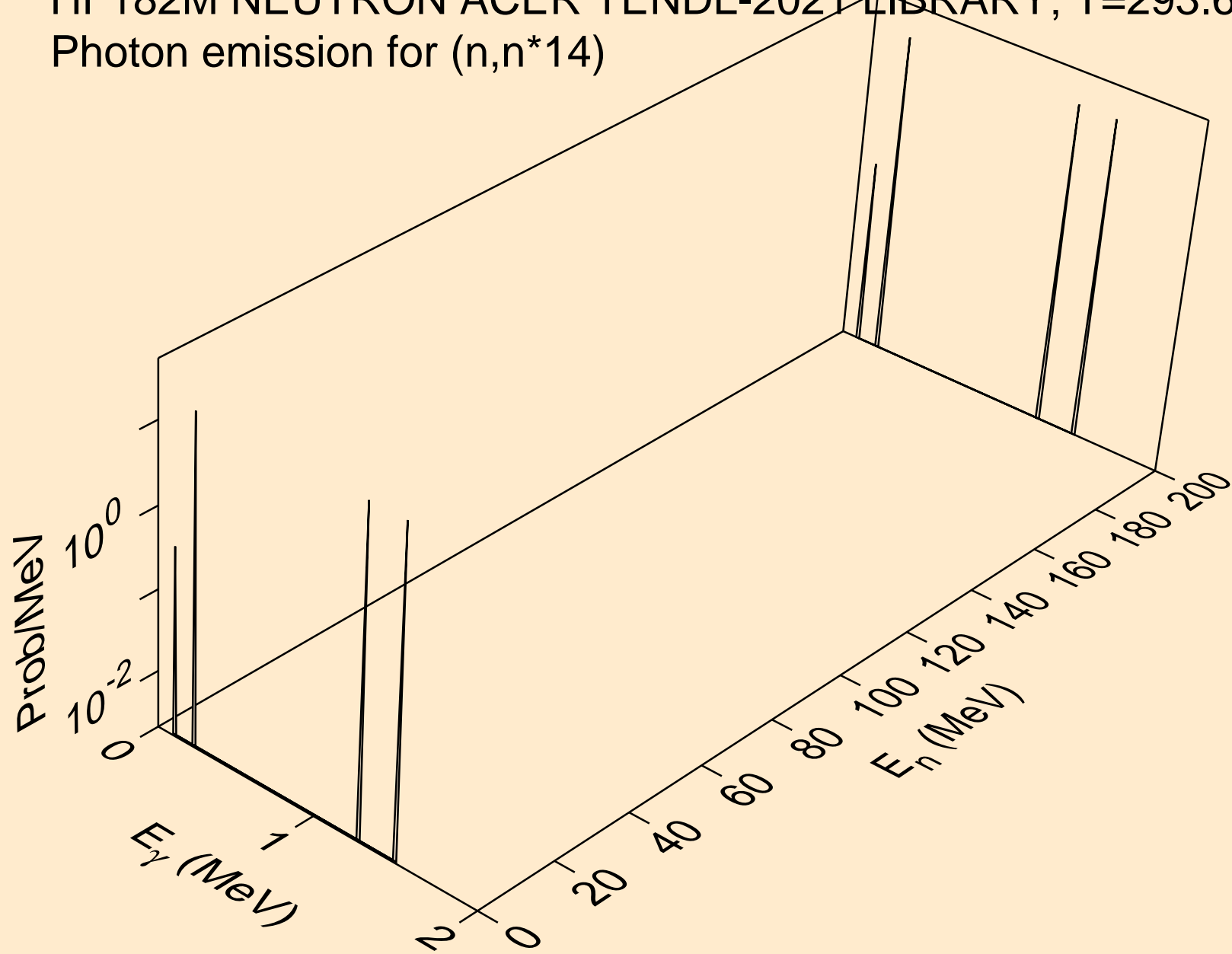
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Photon emission for (n,n\*12)



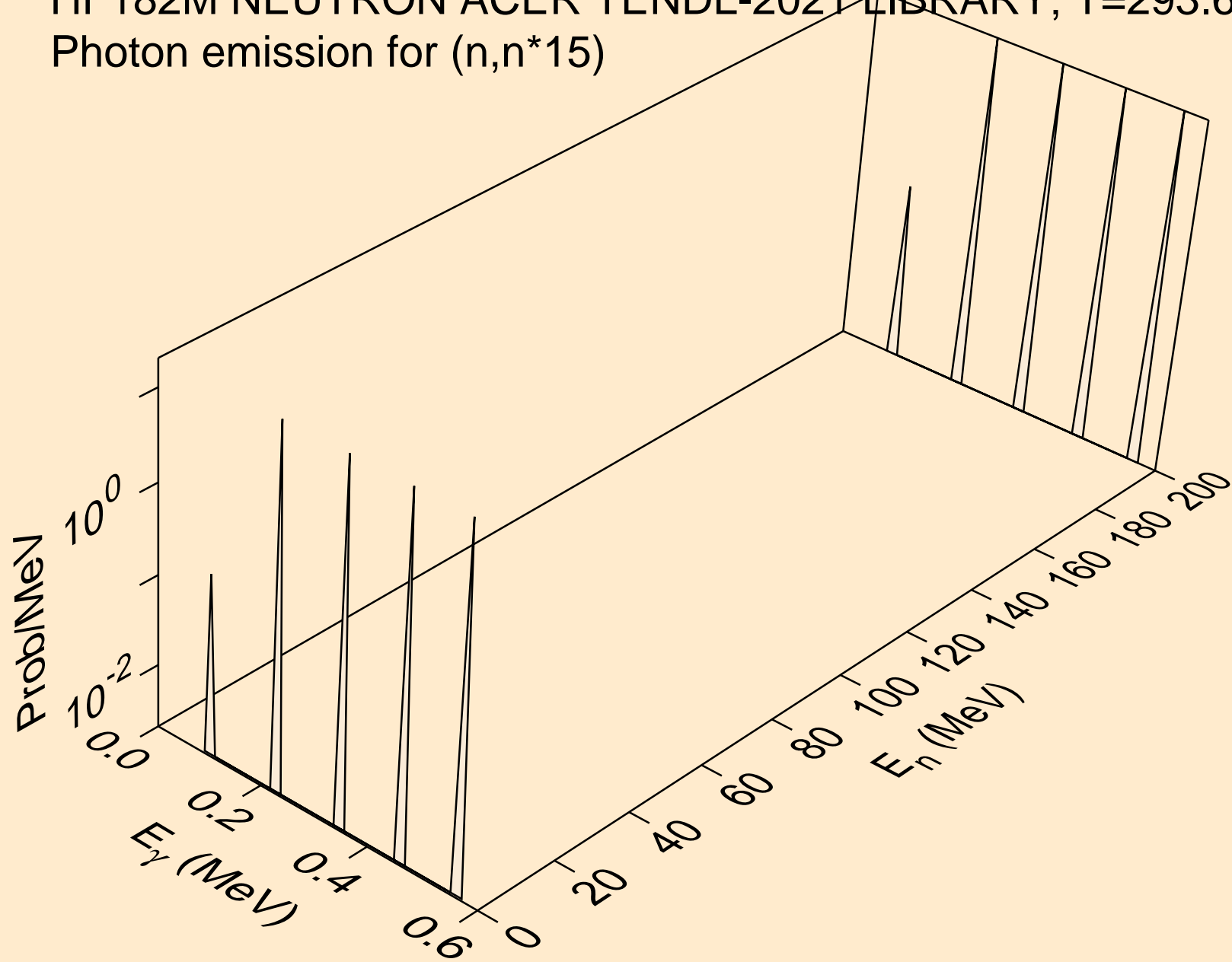
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Photon emission for (n,n\*13)



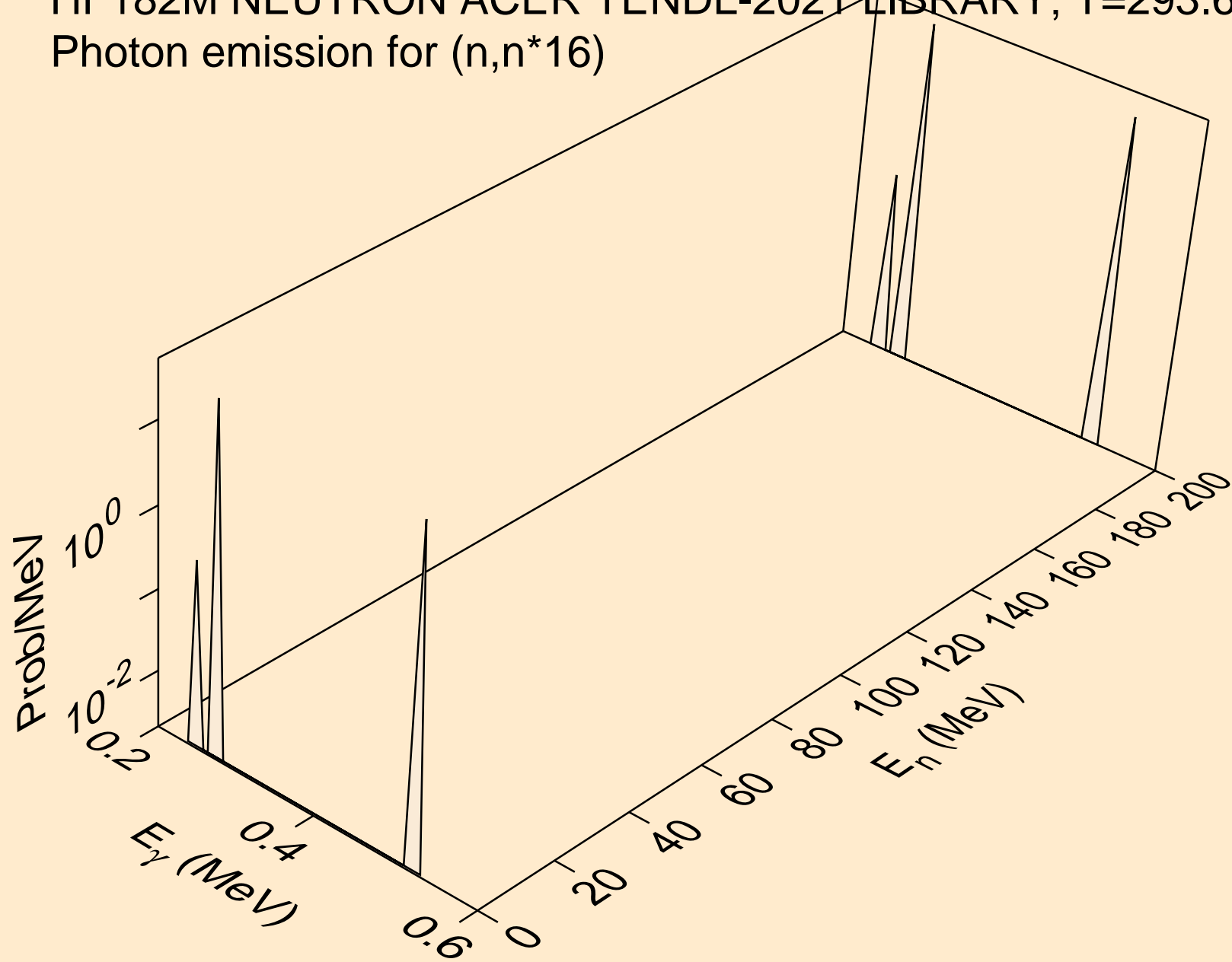
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Photon emission for (n,n\*14)



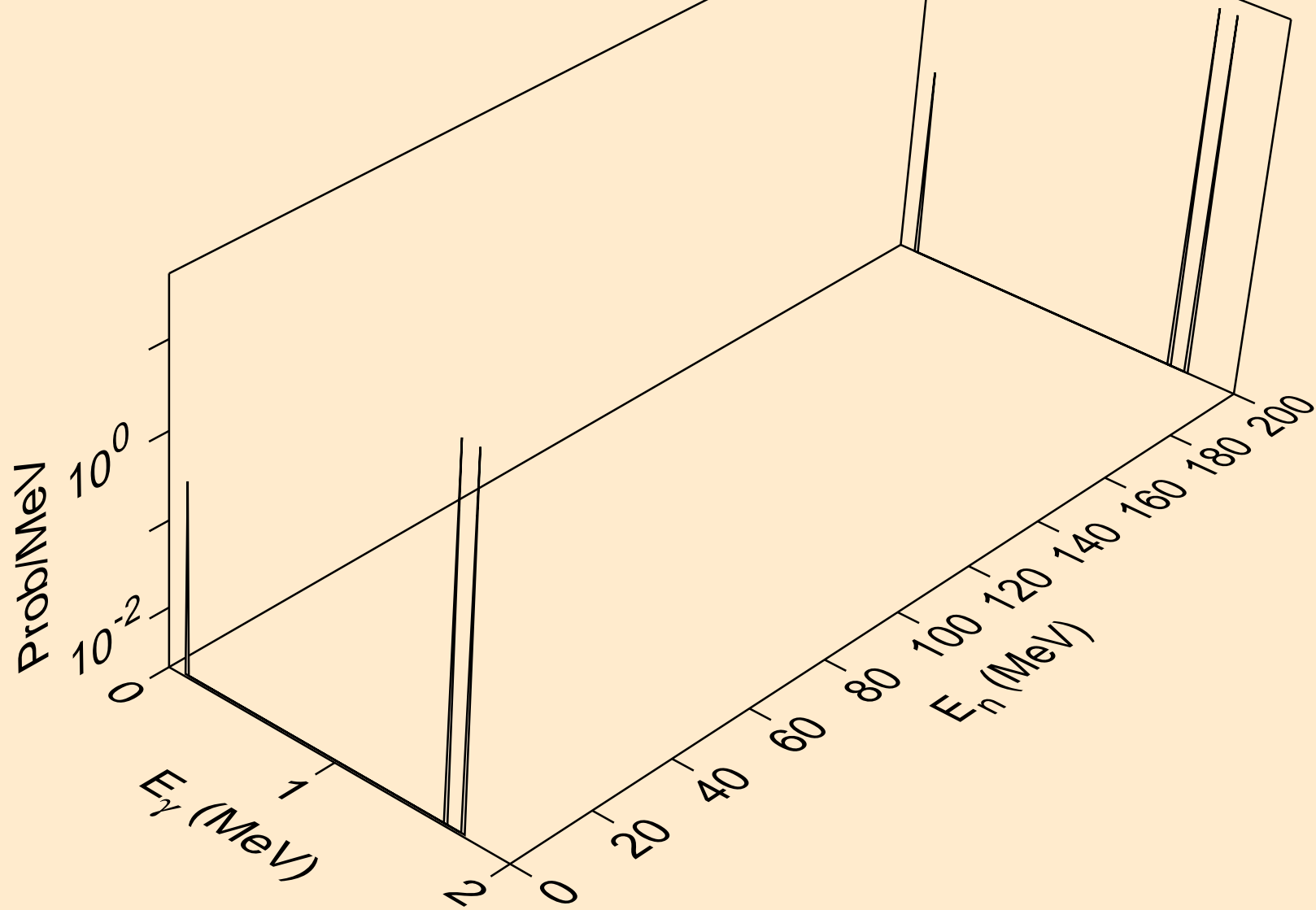
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Photon emission for (n,n\*15)



HF182M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*16)

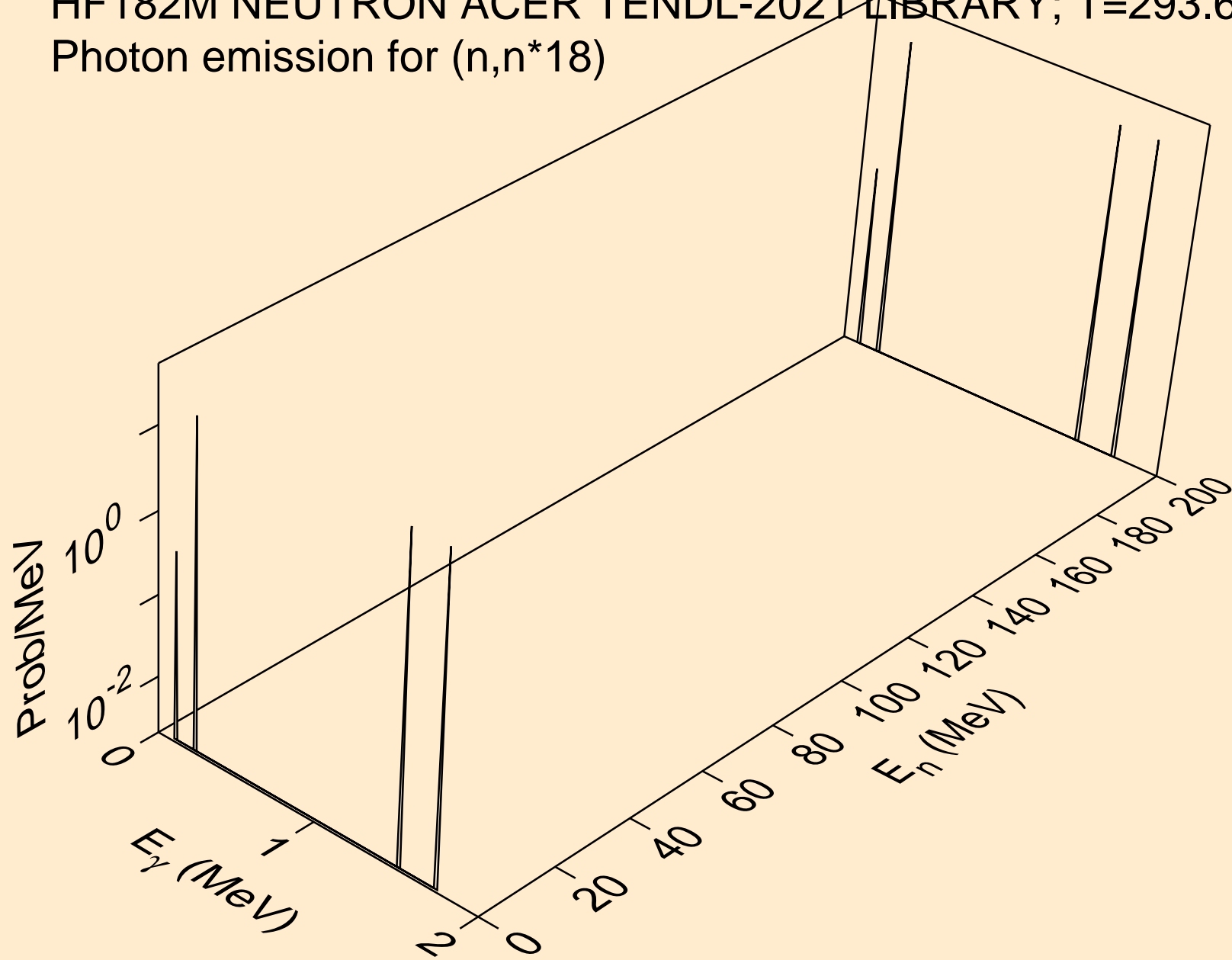


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Photon emission for (n,n\*17)

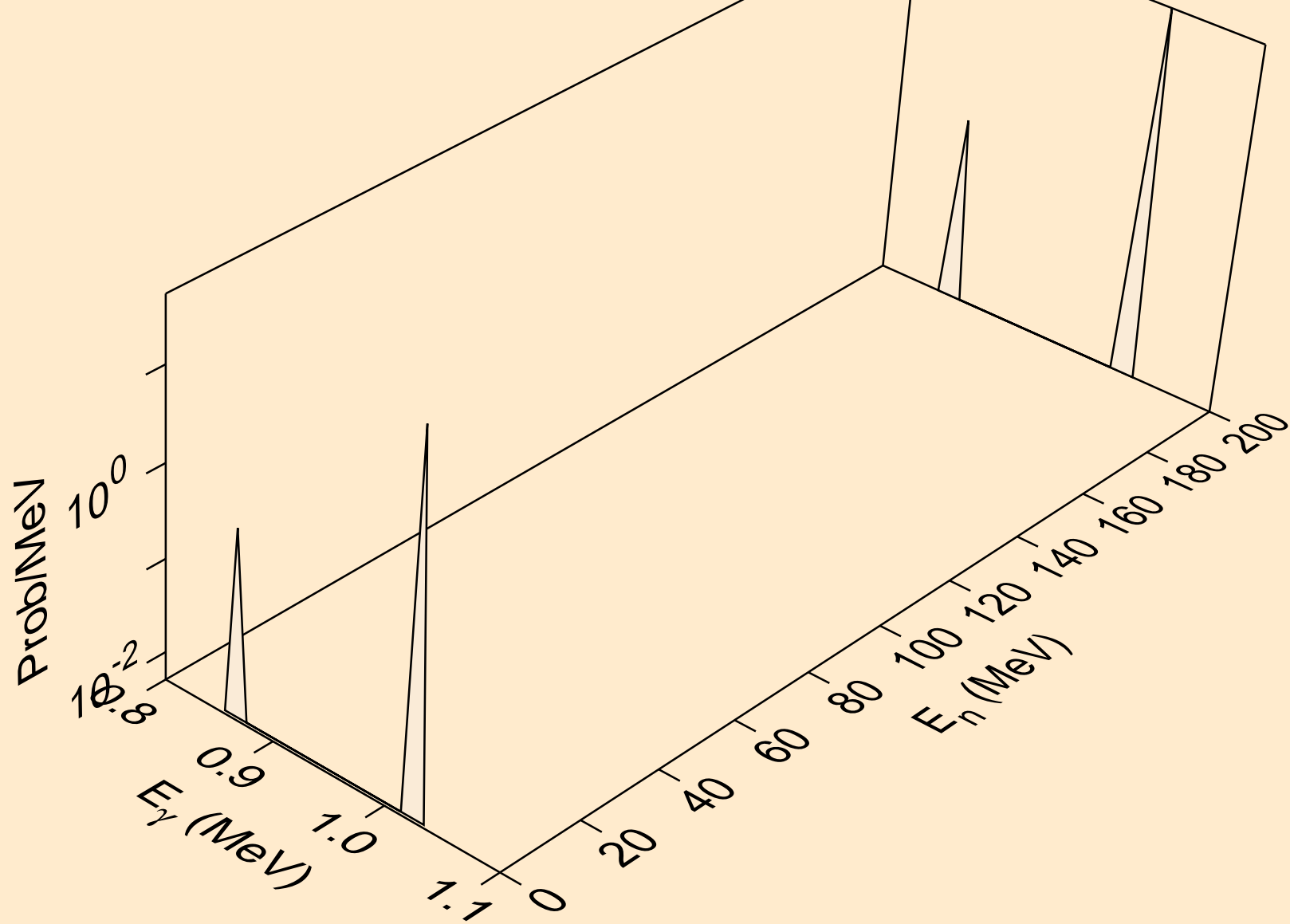




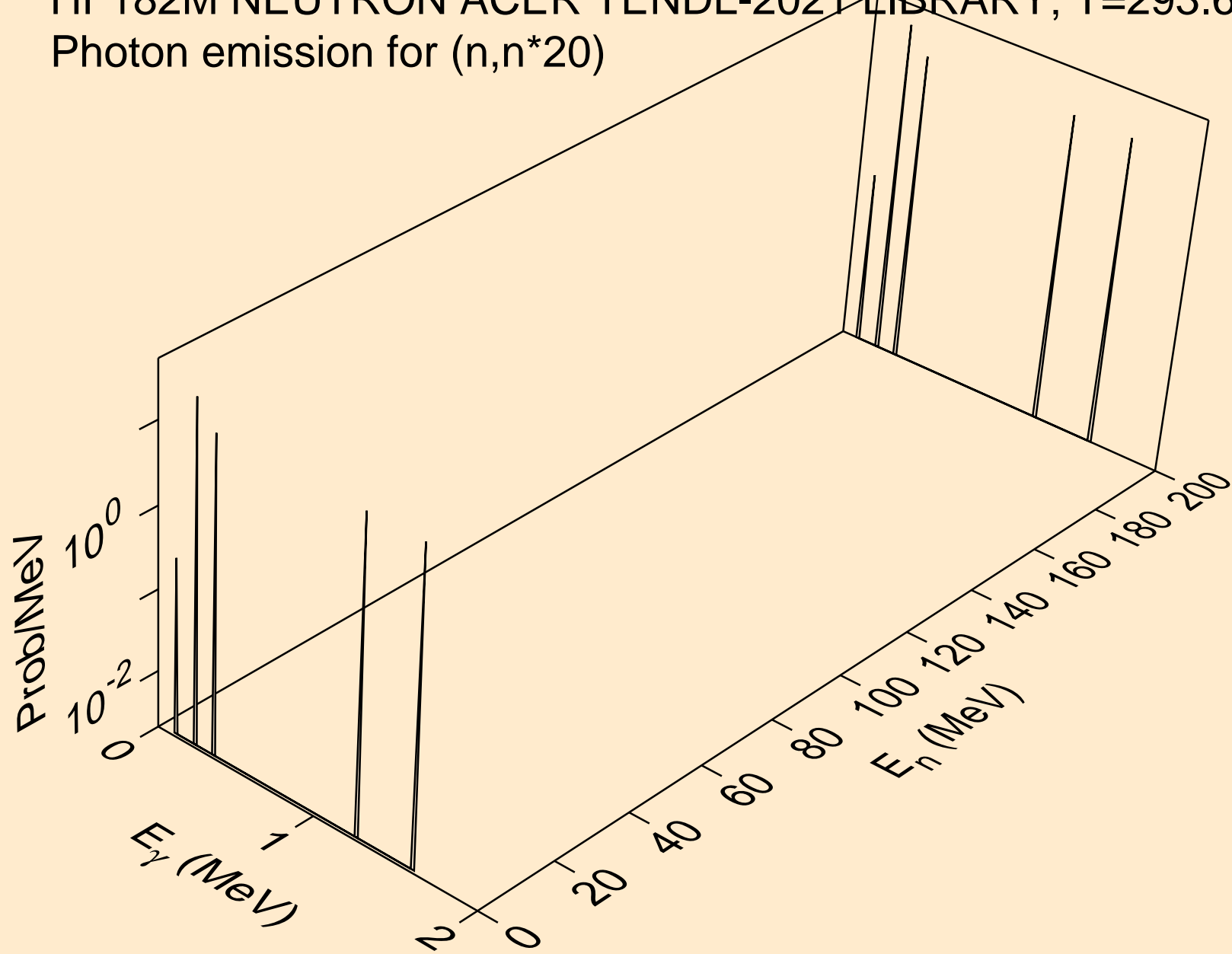
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Photon emission for (n,n\*18)



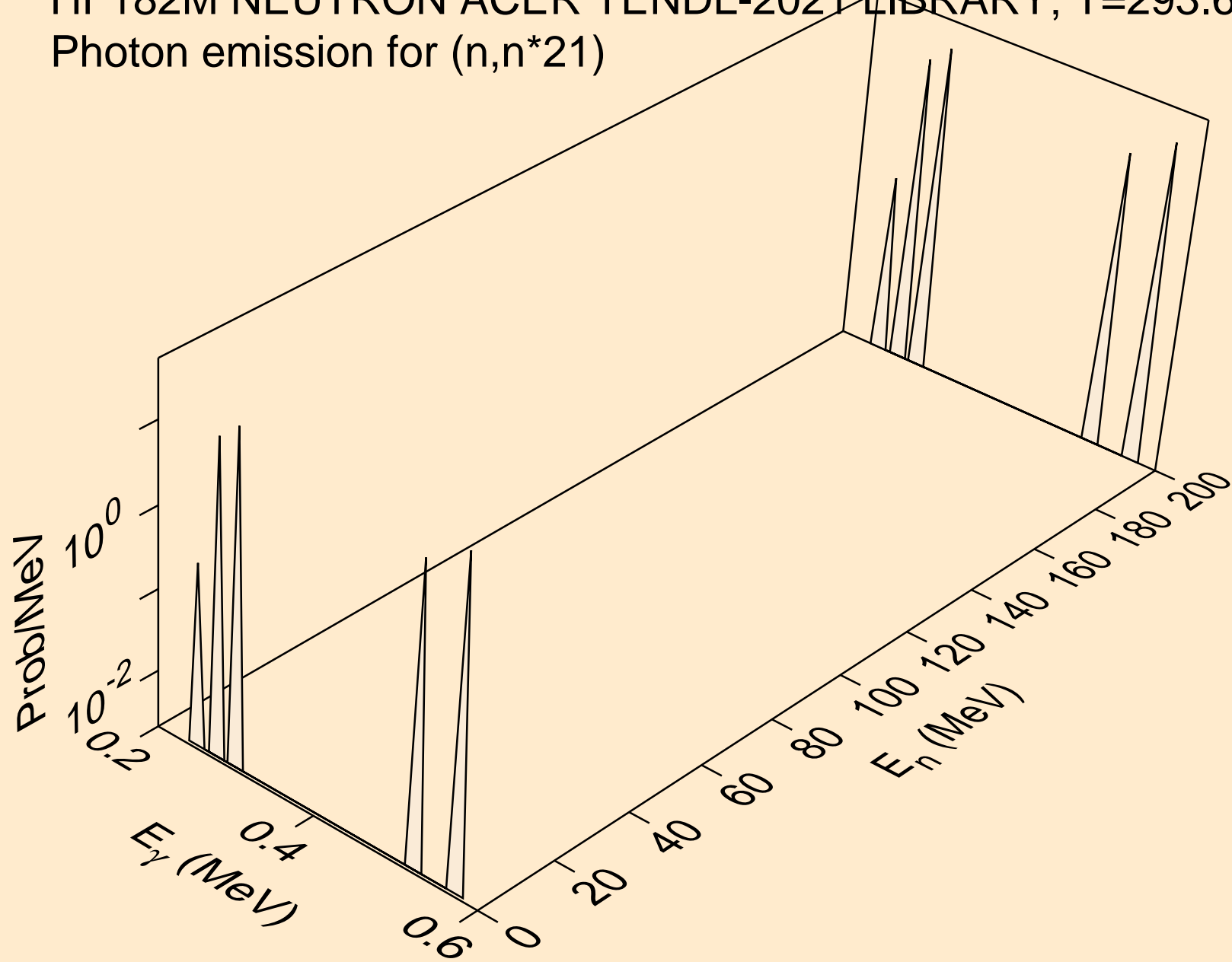
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Photon emission for (n,n\*19)



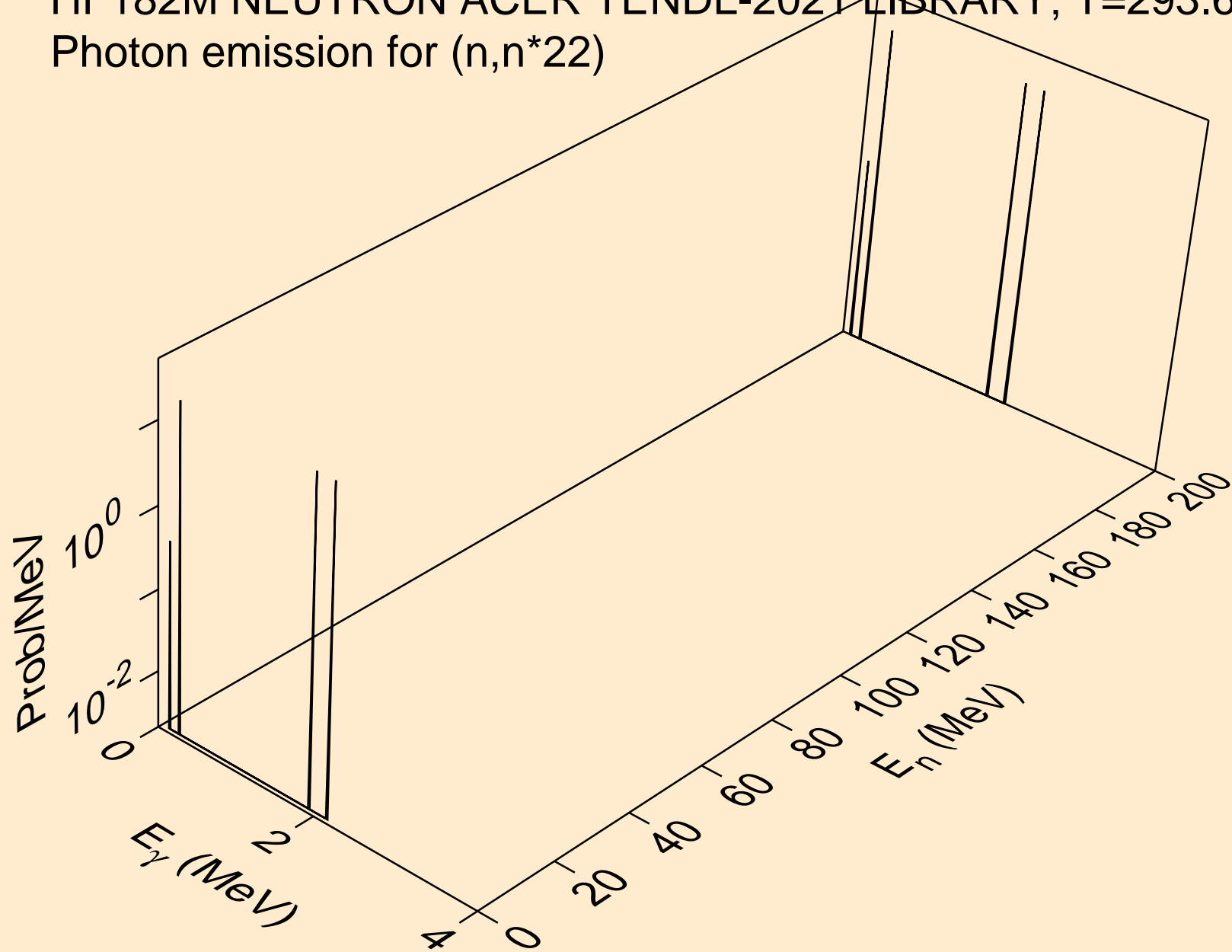
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Photon emission for (n,n\*20)



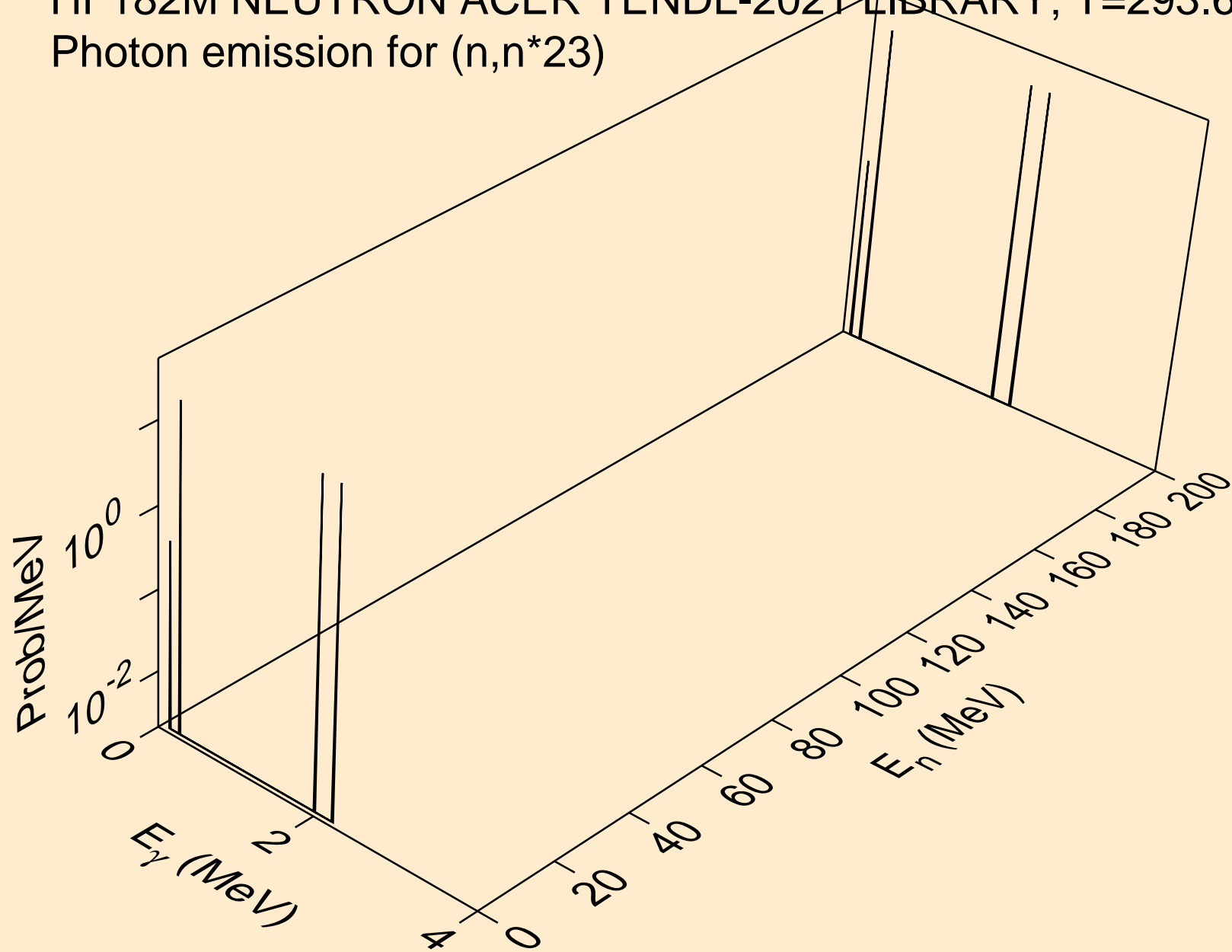
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Photon emission for (n,n\*21)



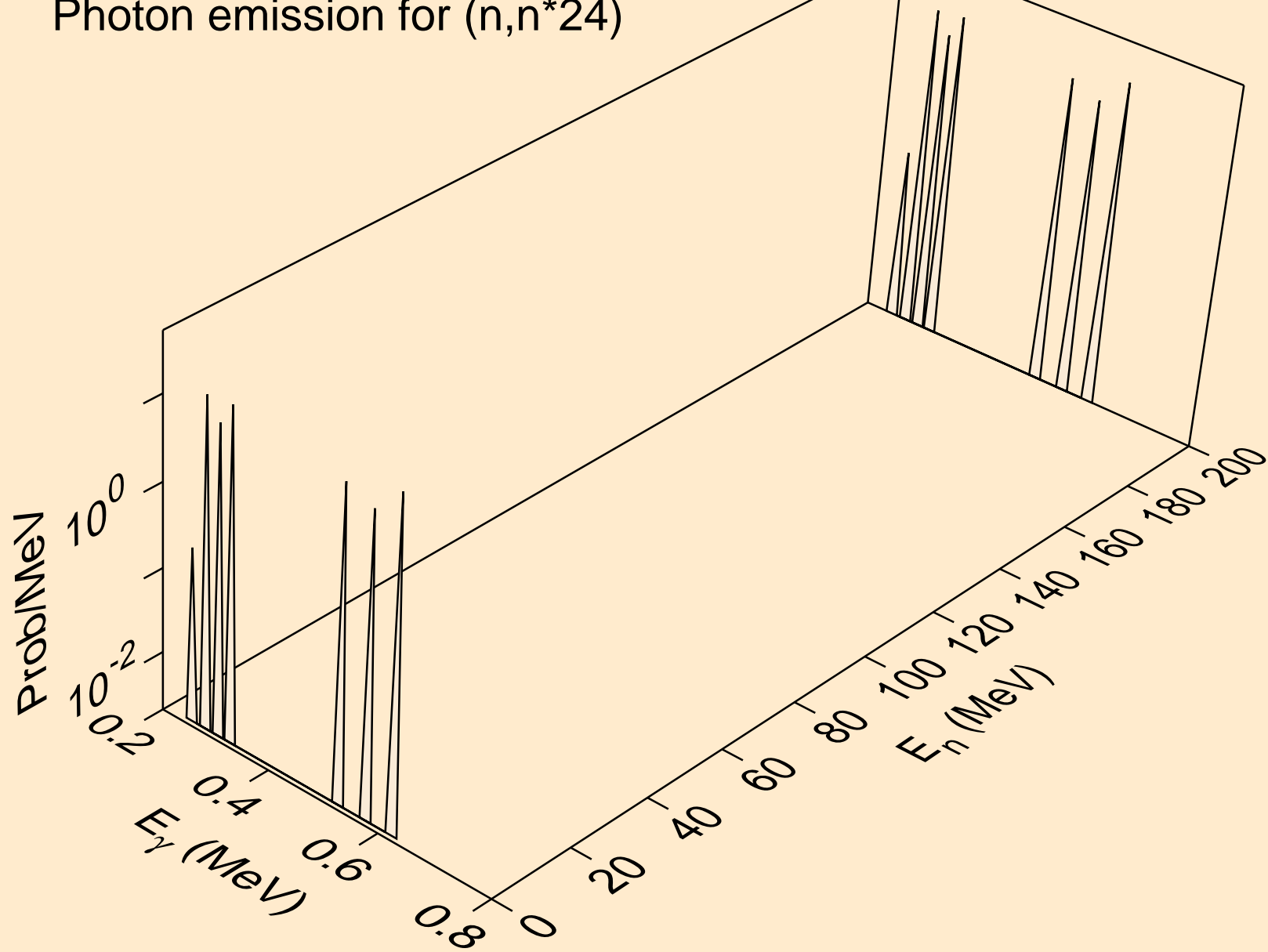
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Photon emission for (n,n\*22)



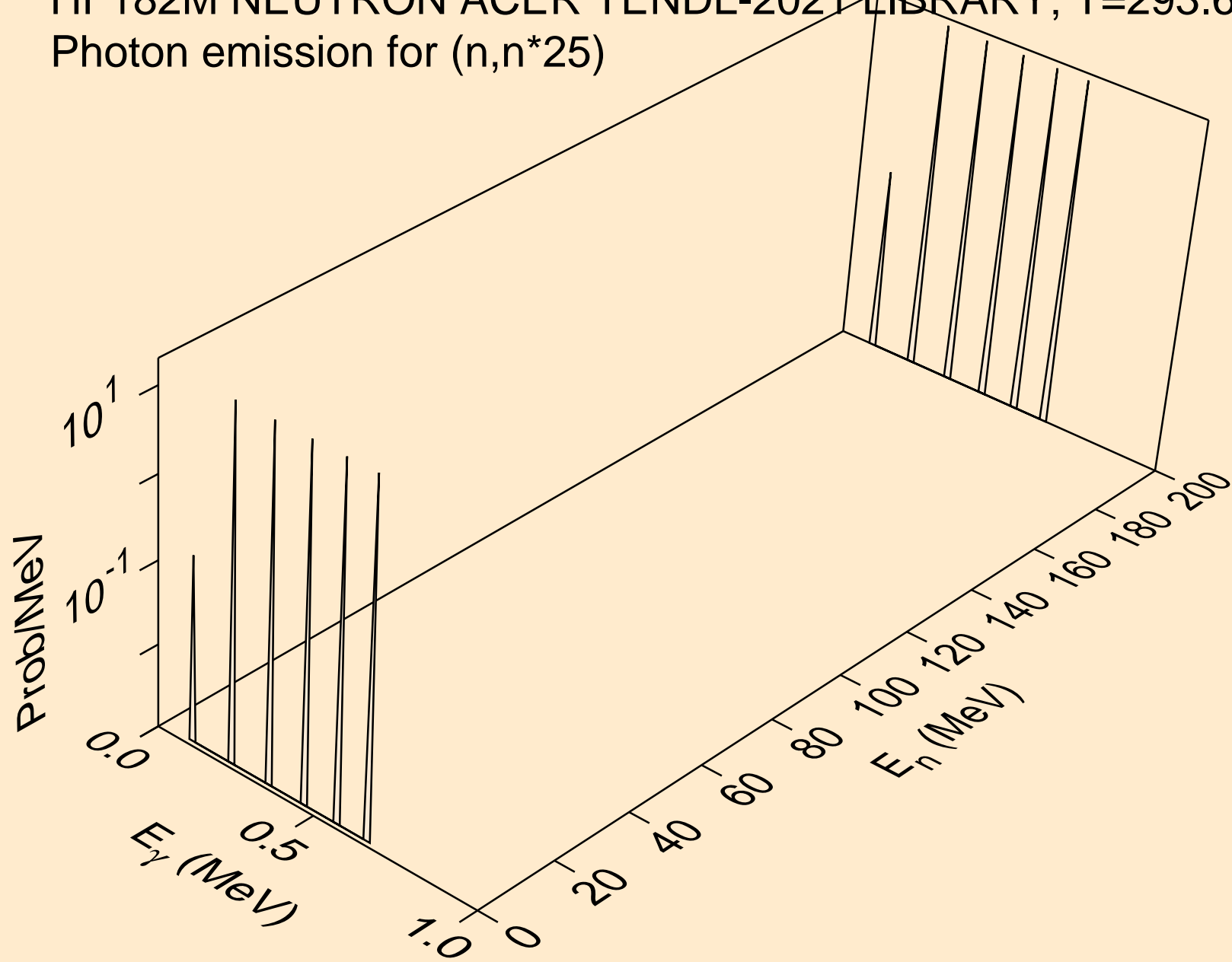
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Photon emission for (n,n\*23)



HF182M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*24)

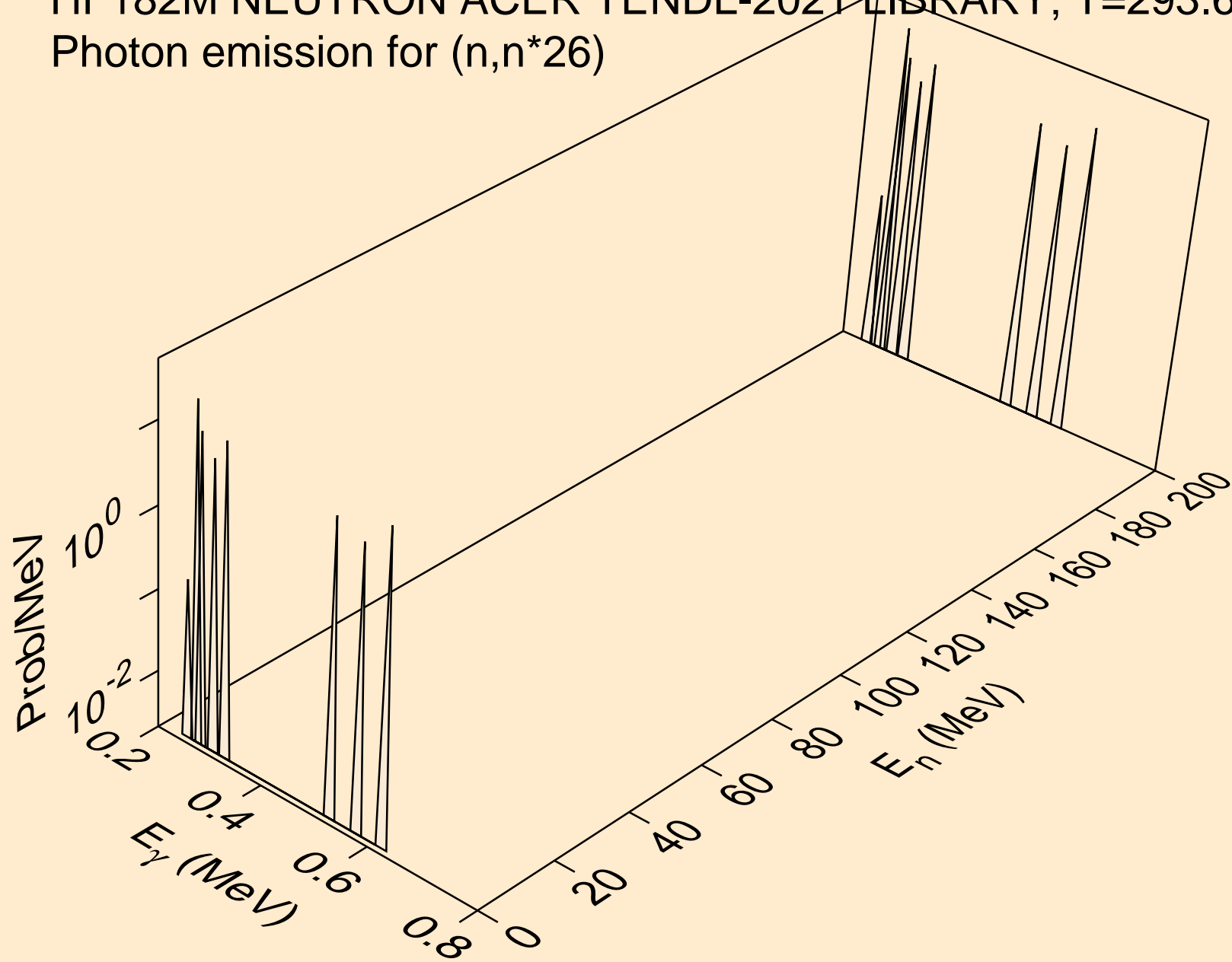


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Photon emission for (n,n\*25)

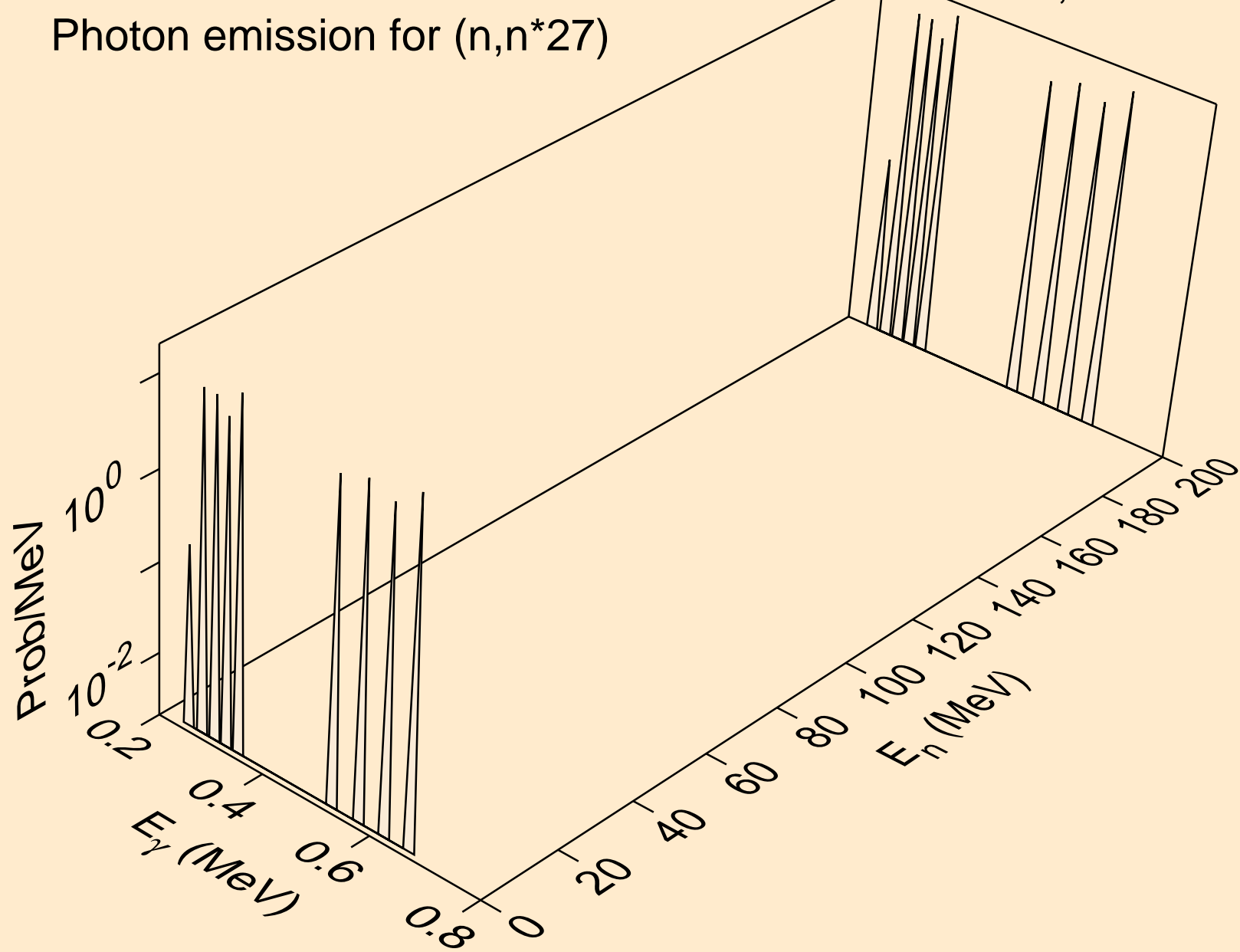




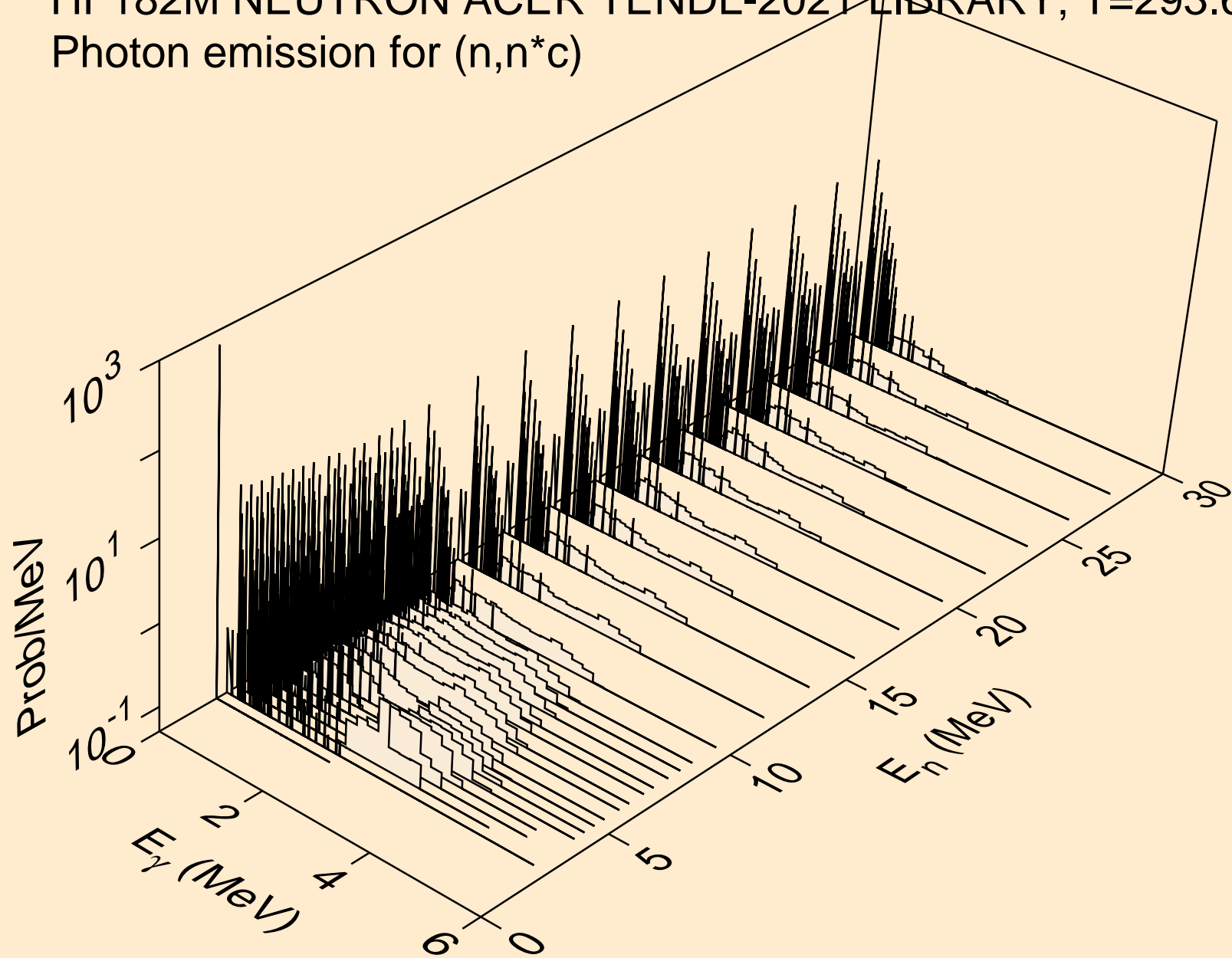
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Photon emission for (n,n\*26)



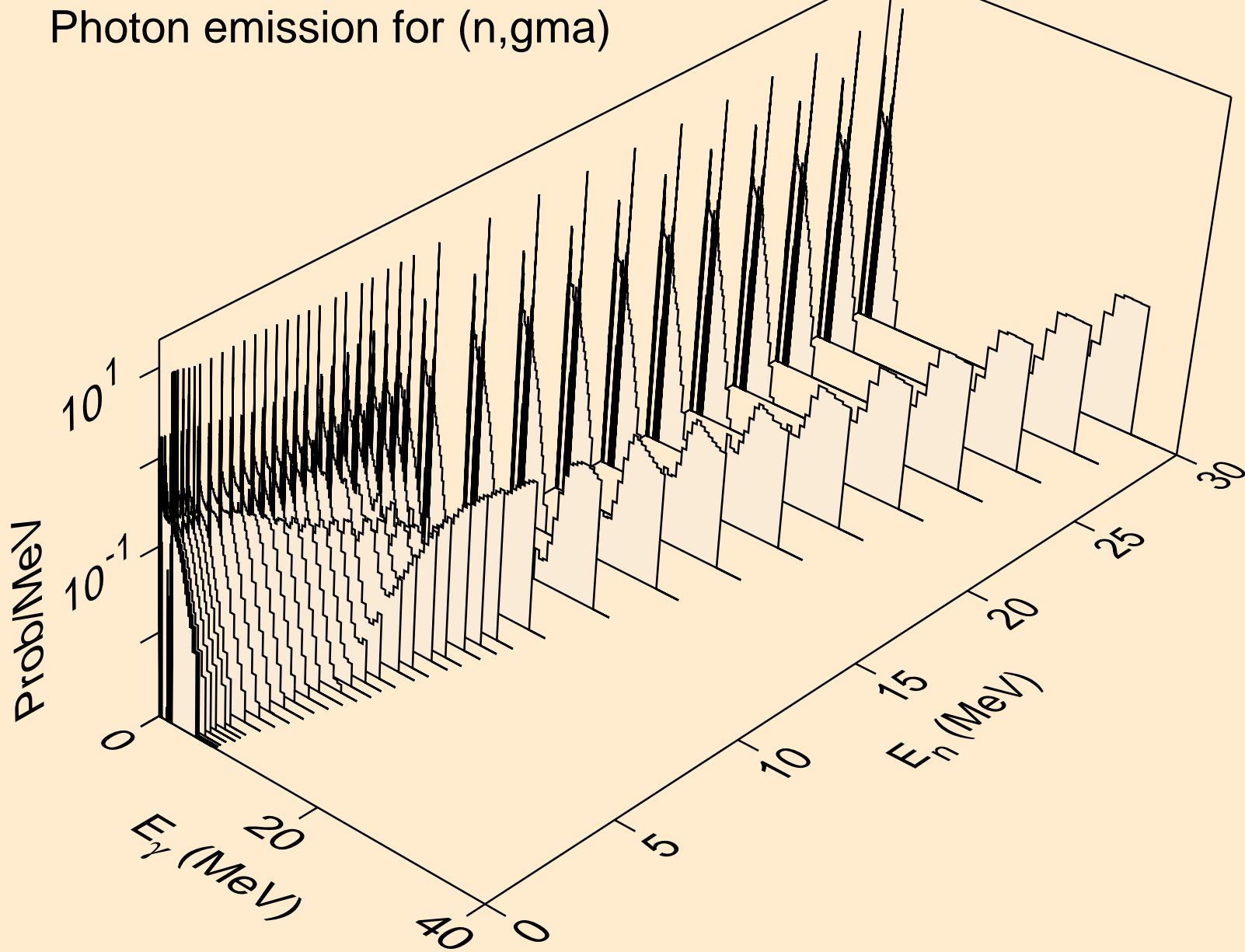
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Photon emission for (n,n\*27)



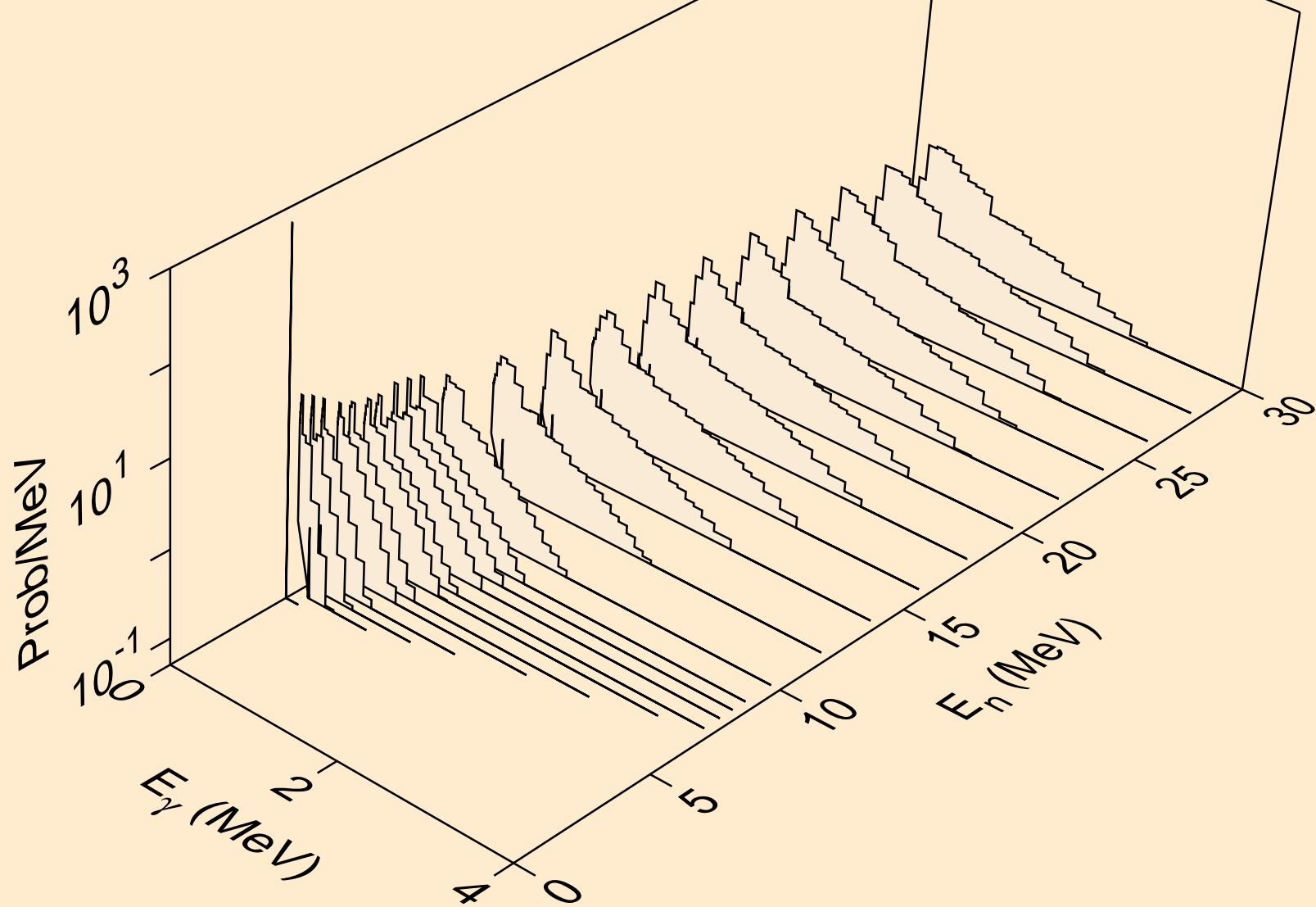
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Photon emission for (n,n\*c)



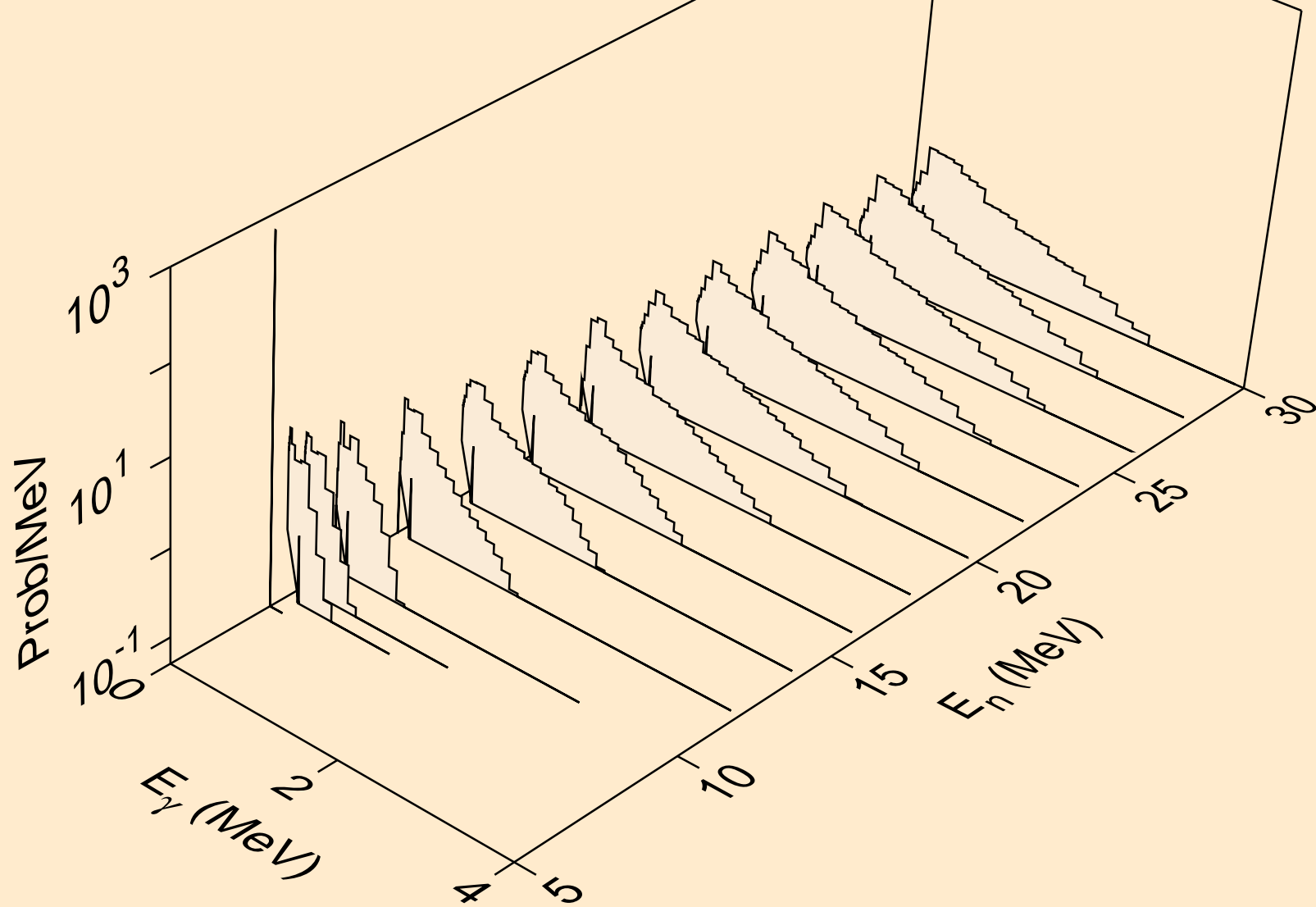
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Photon emission for (n,gma)



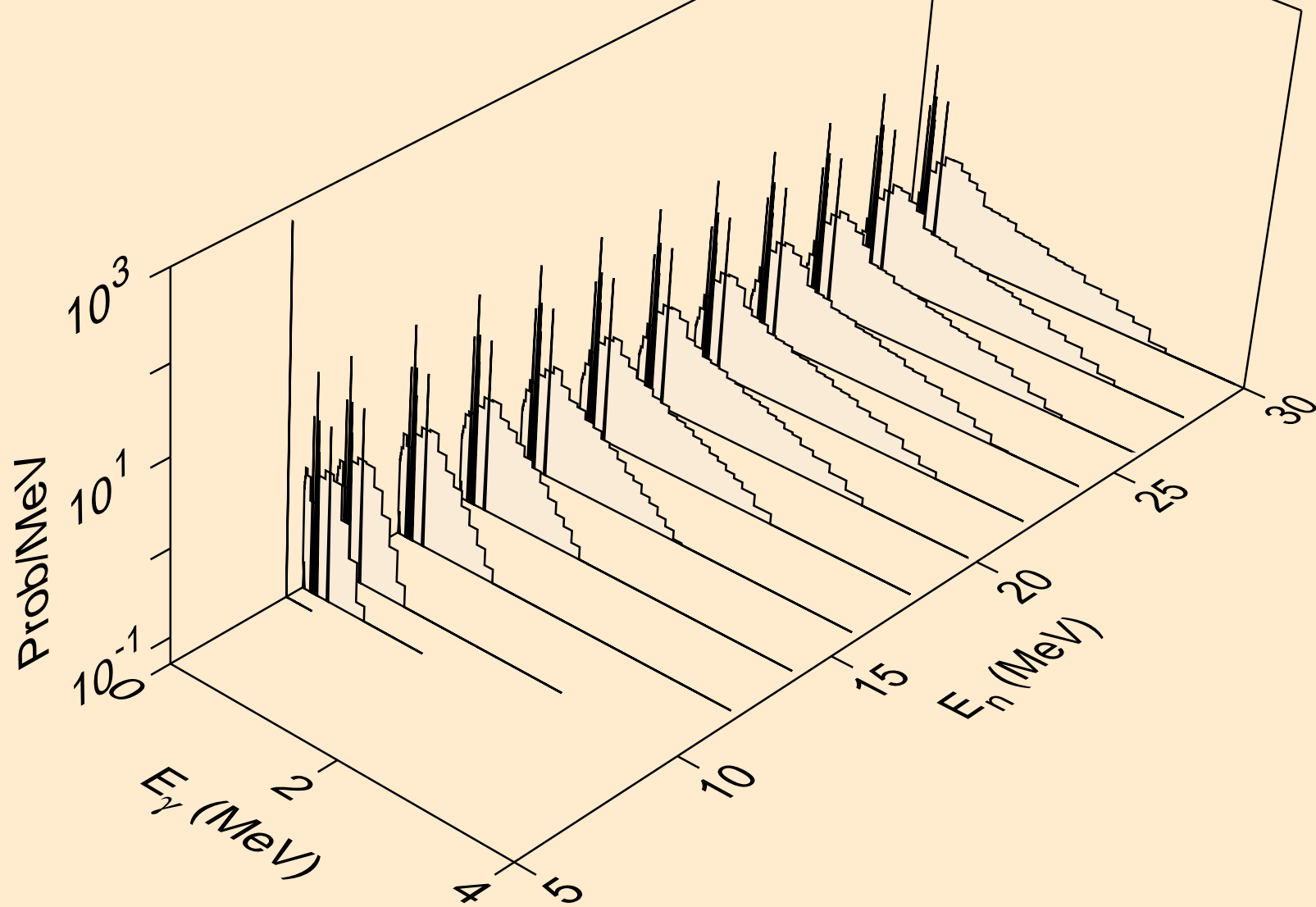
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Photon emission for (n,p)



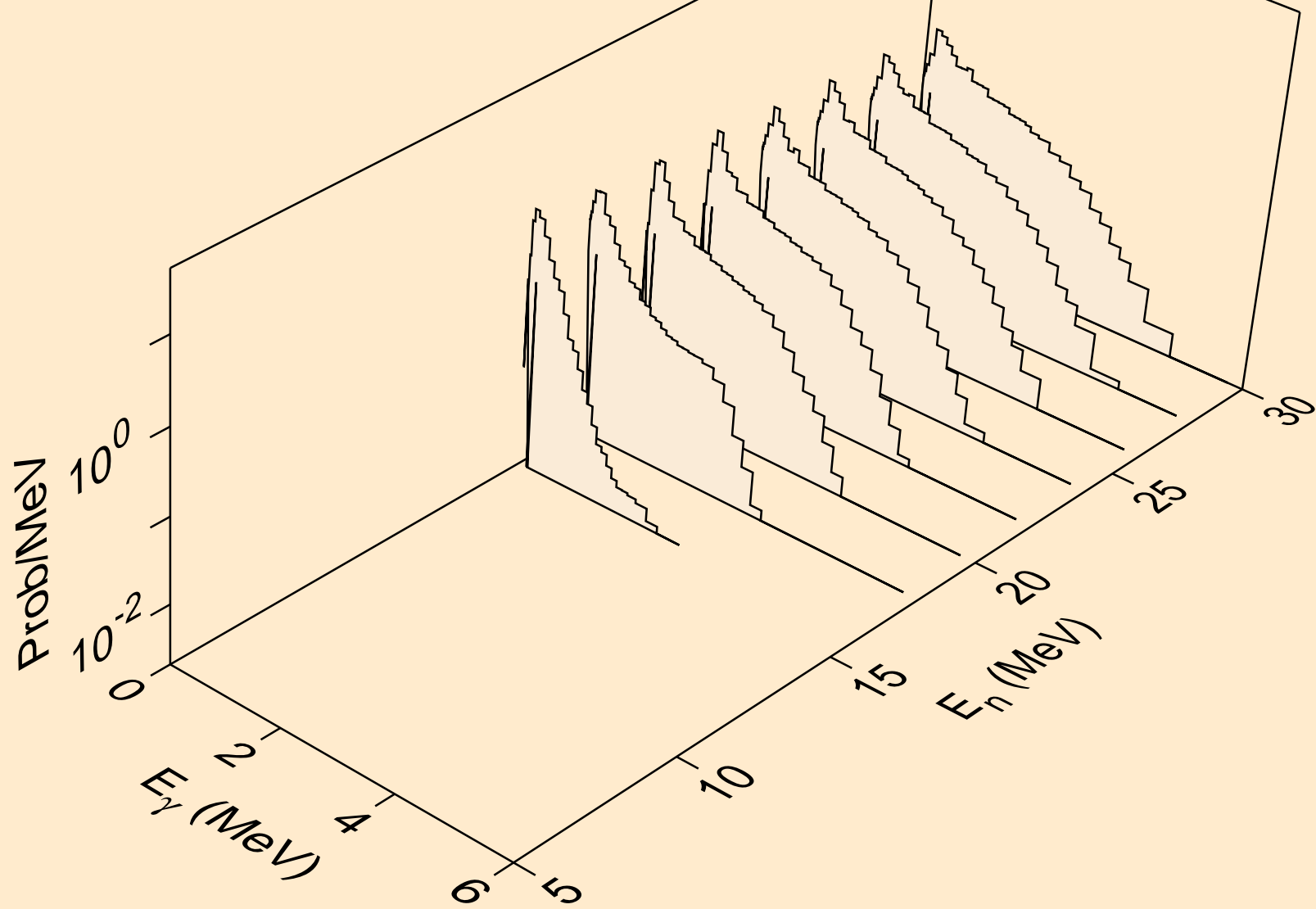
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Photon emission for (n,d)



HF182M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,t)

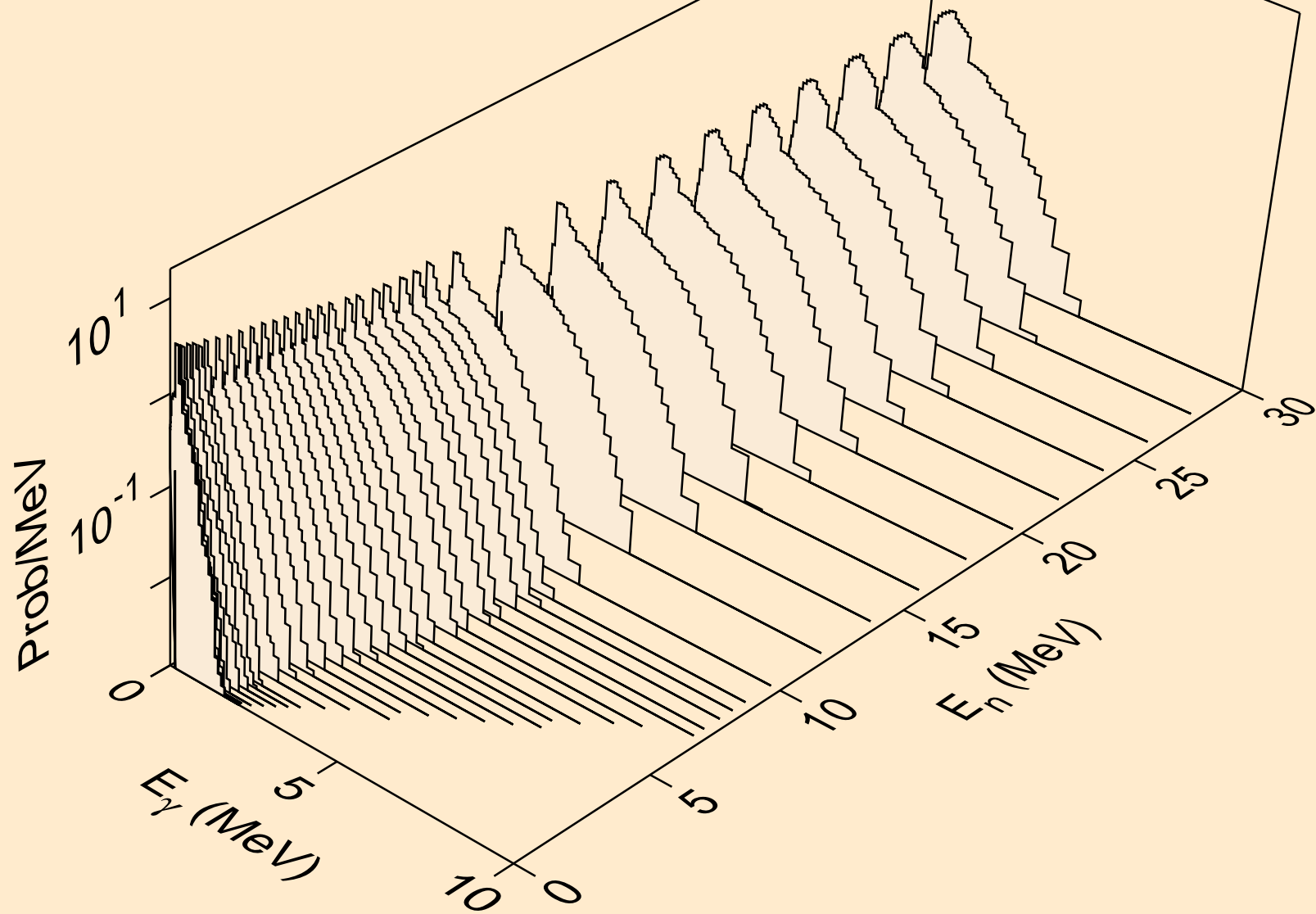


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Photon emission for (n,he3)

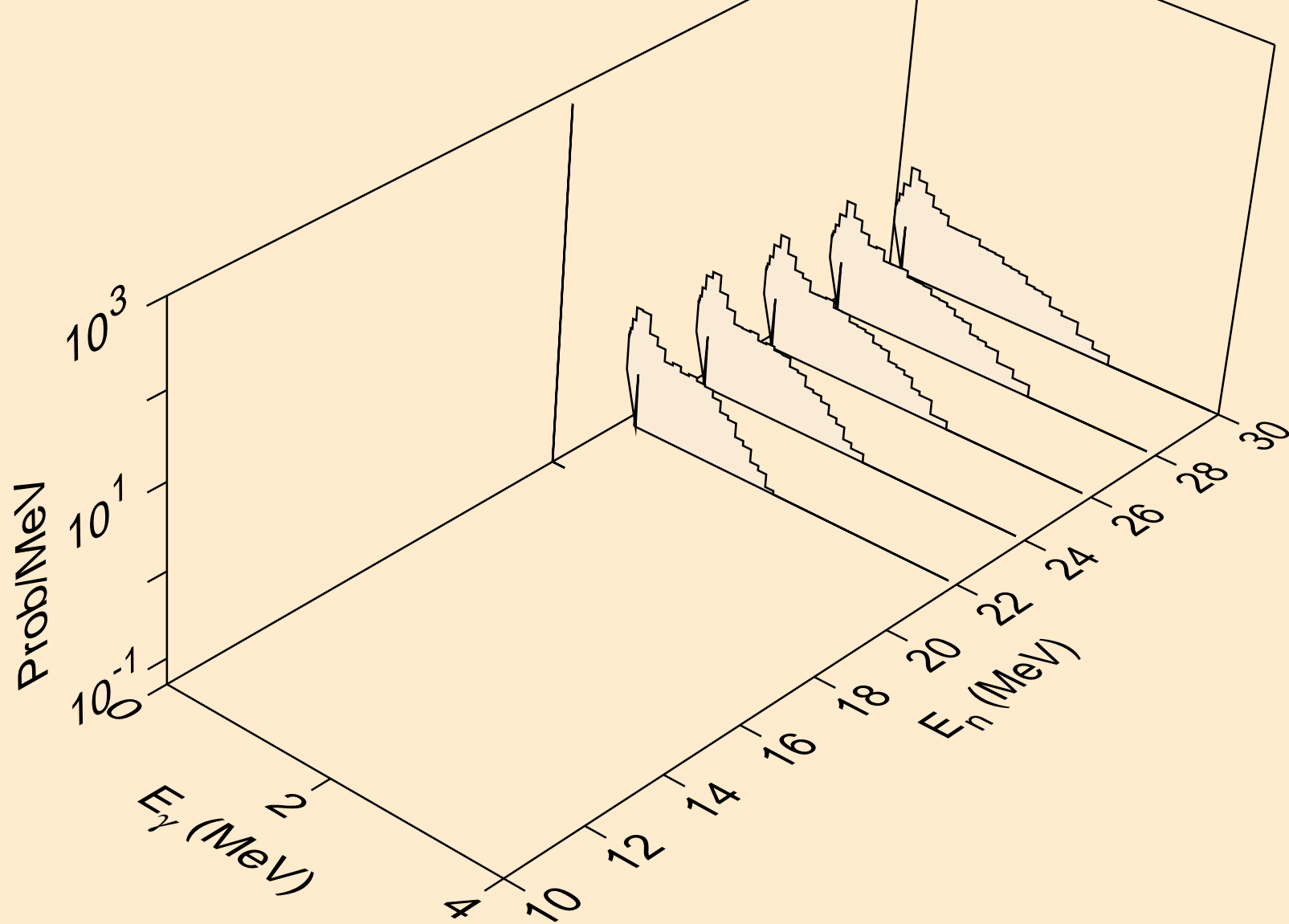




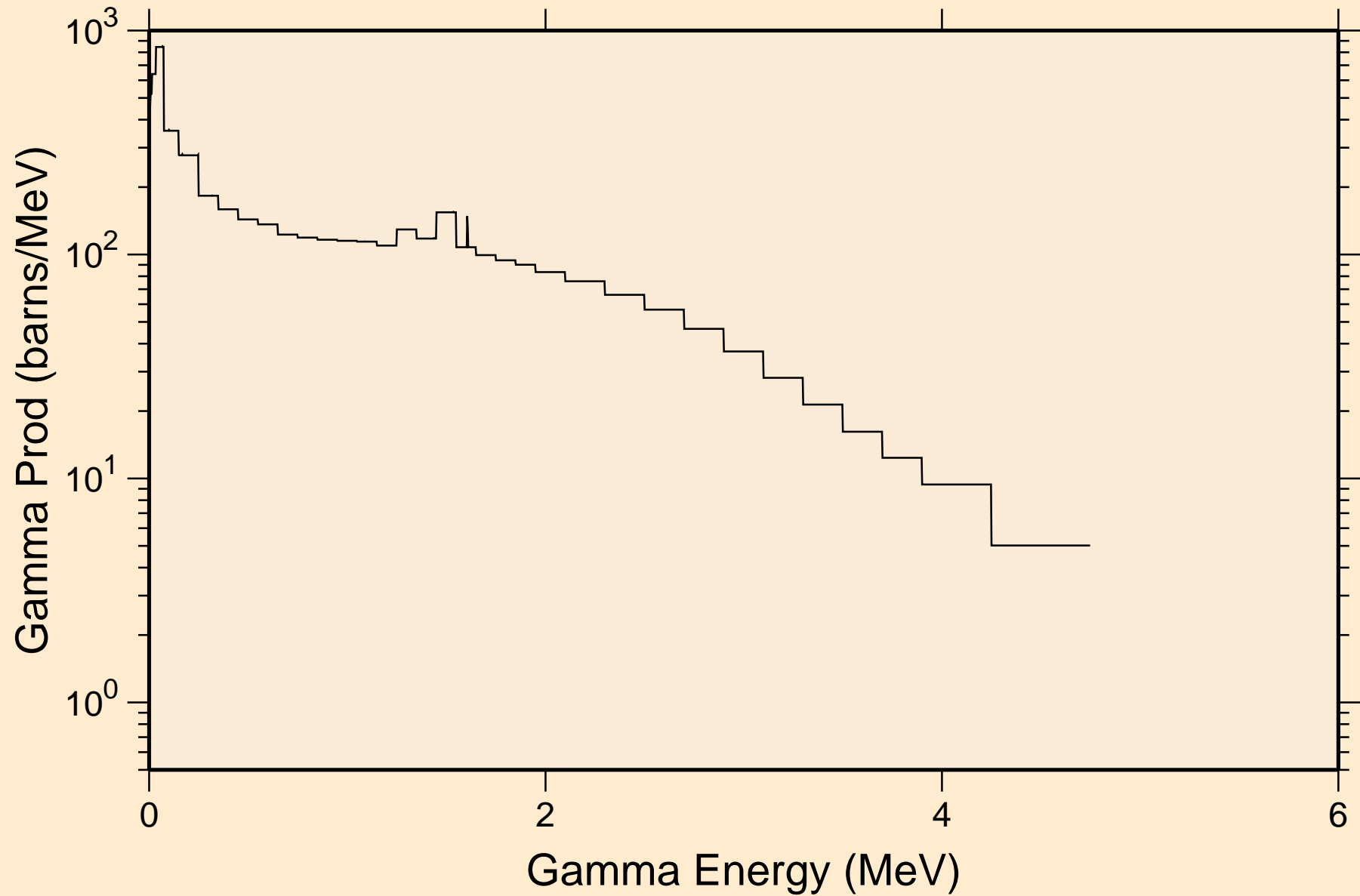
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Photon emission for (n,a)



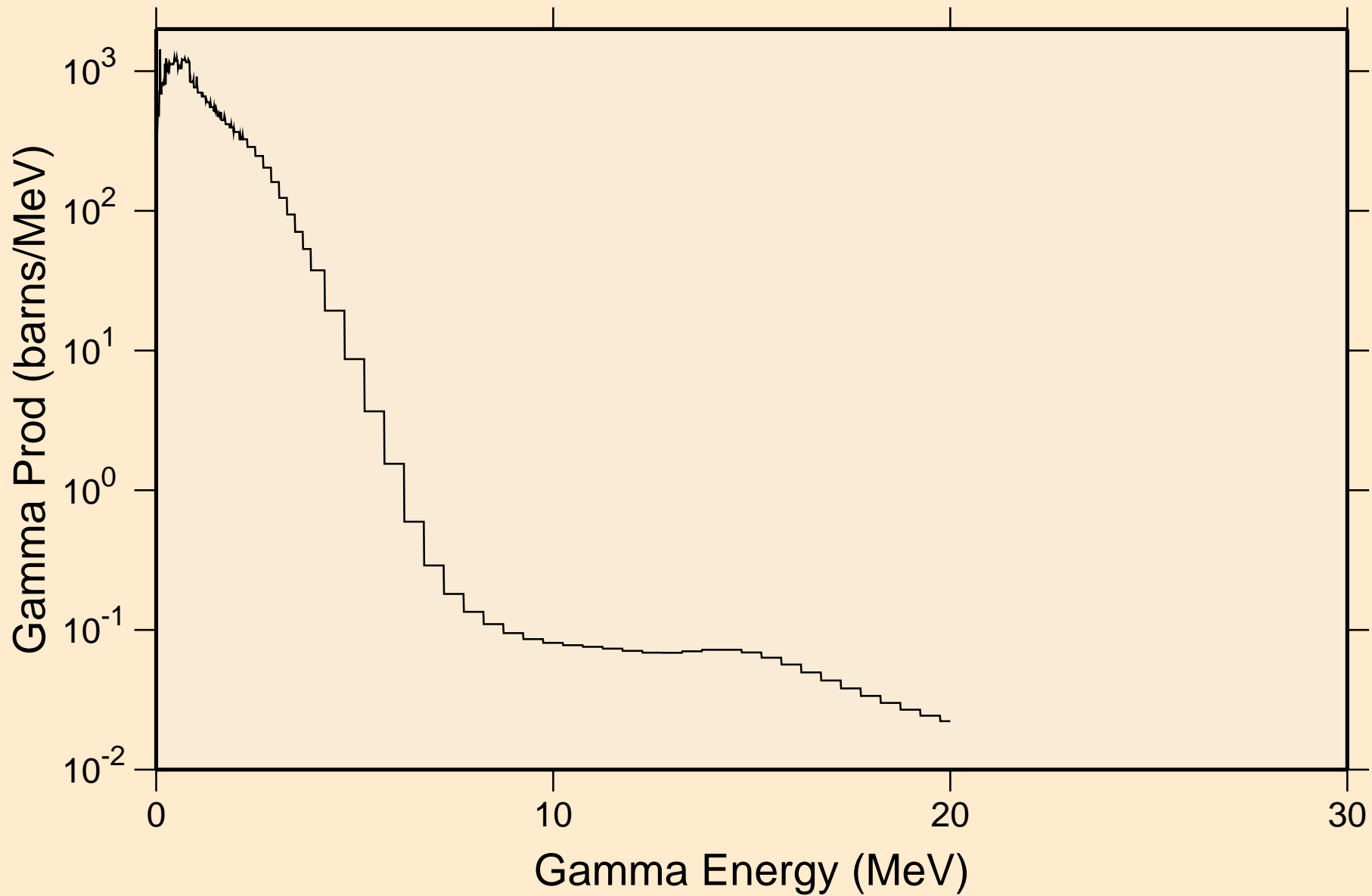
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Photon emission for (n,2p)



HF182M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
thermal capture photon spectrum

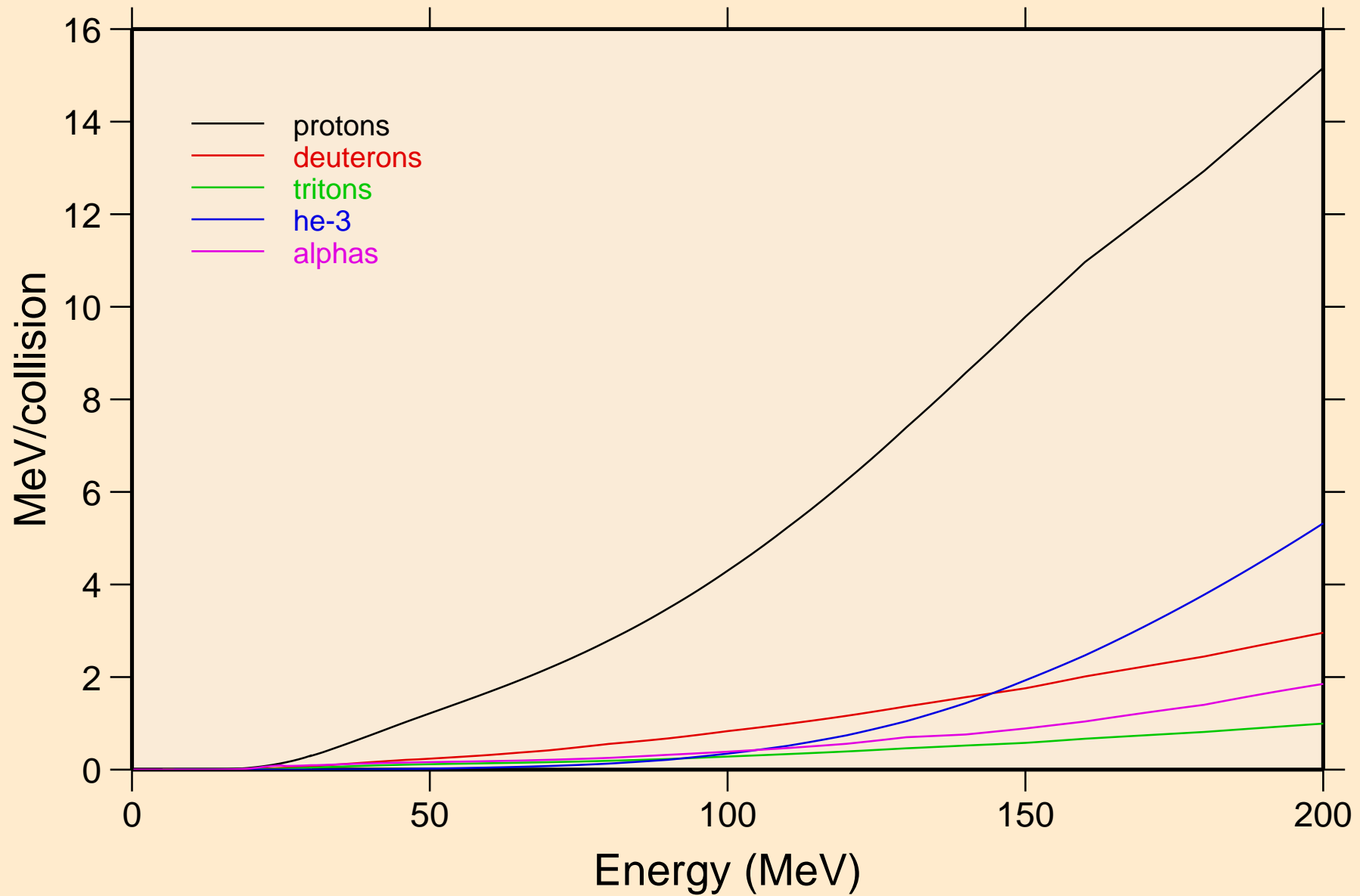


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14 MeV photon spectrum

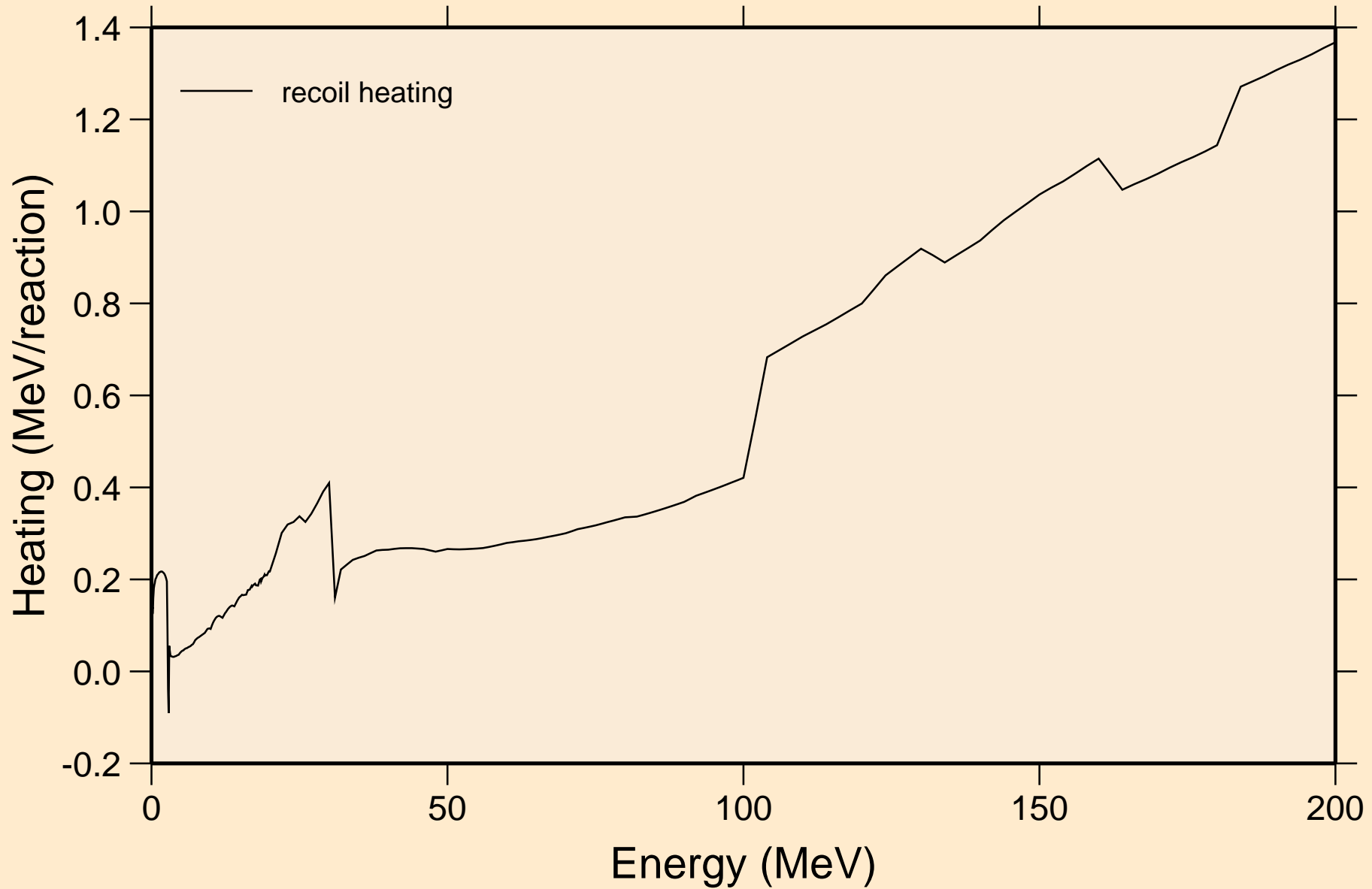


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## Particle heating contributions

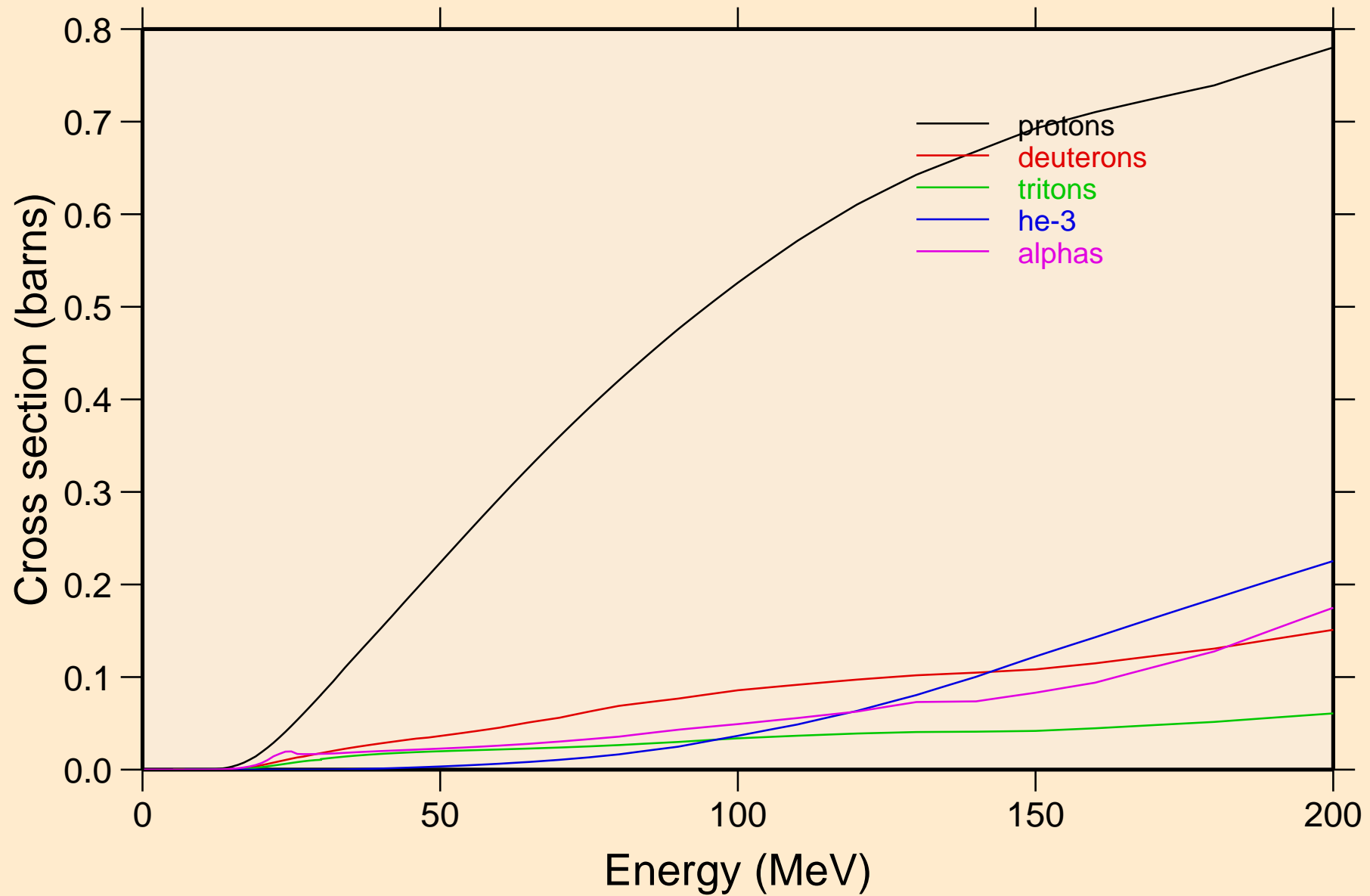


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Recoil Heating

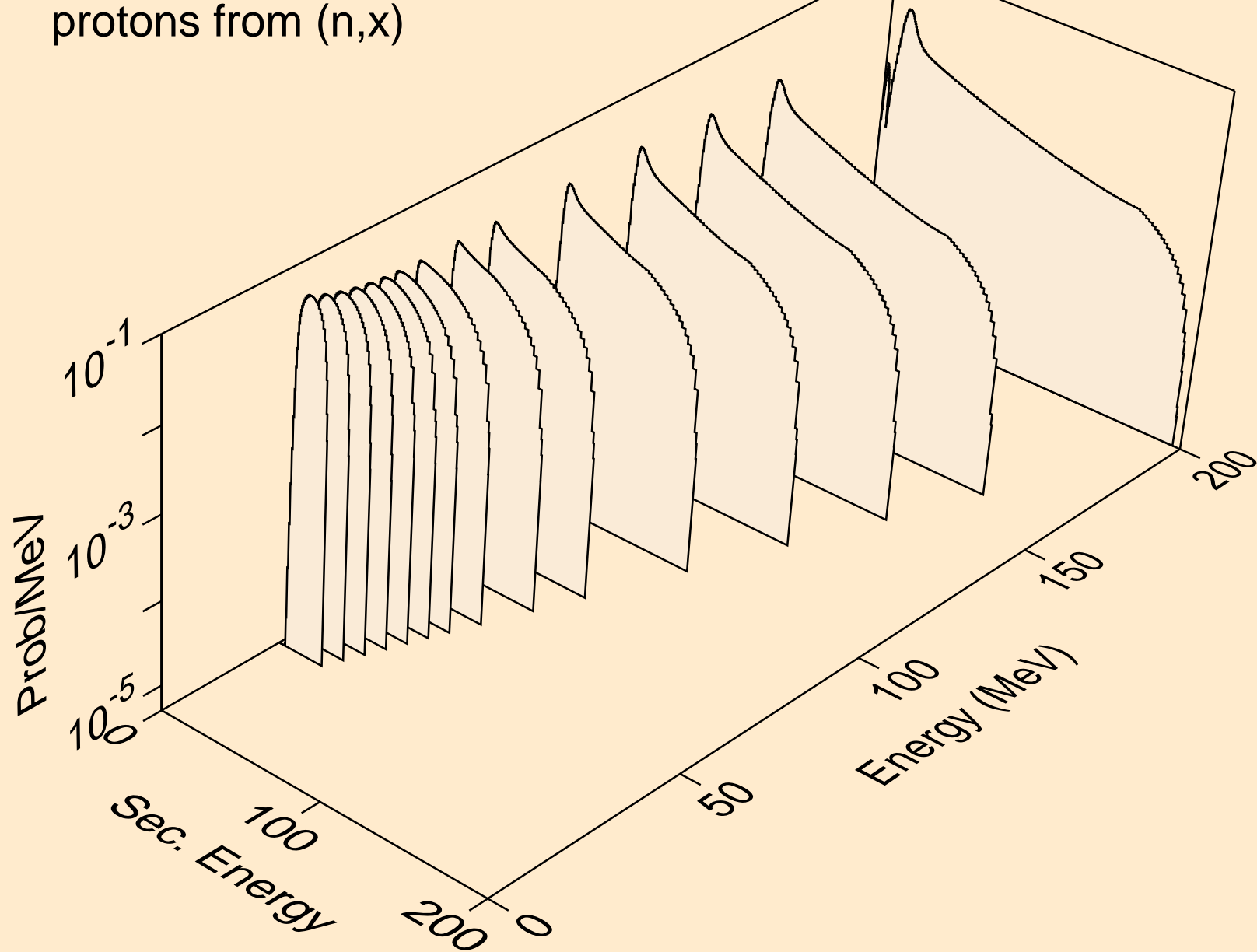


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## Particle production cross sections

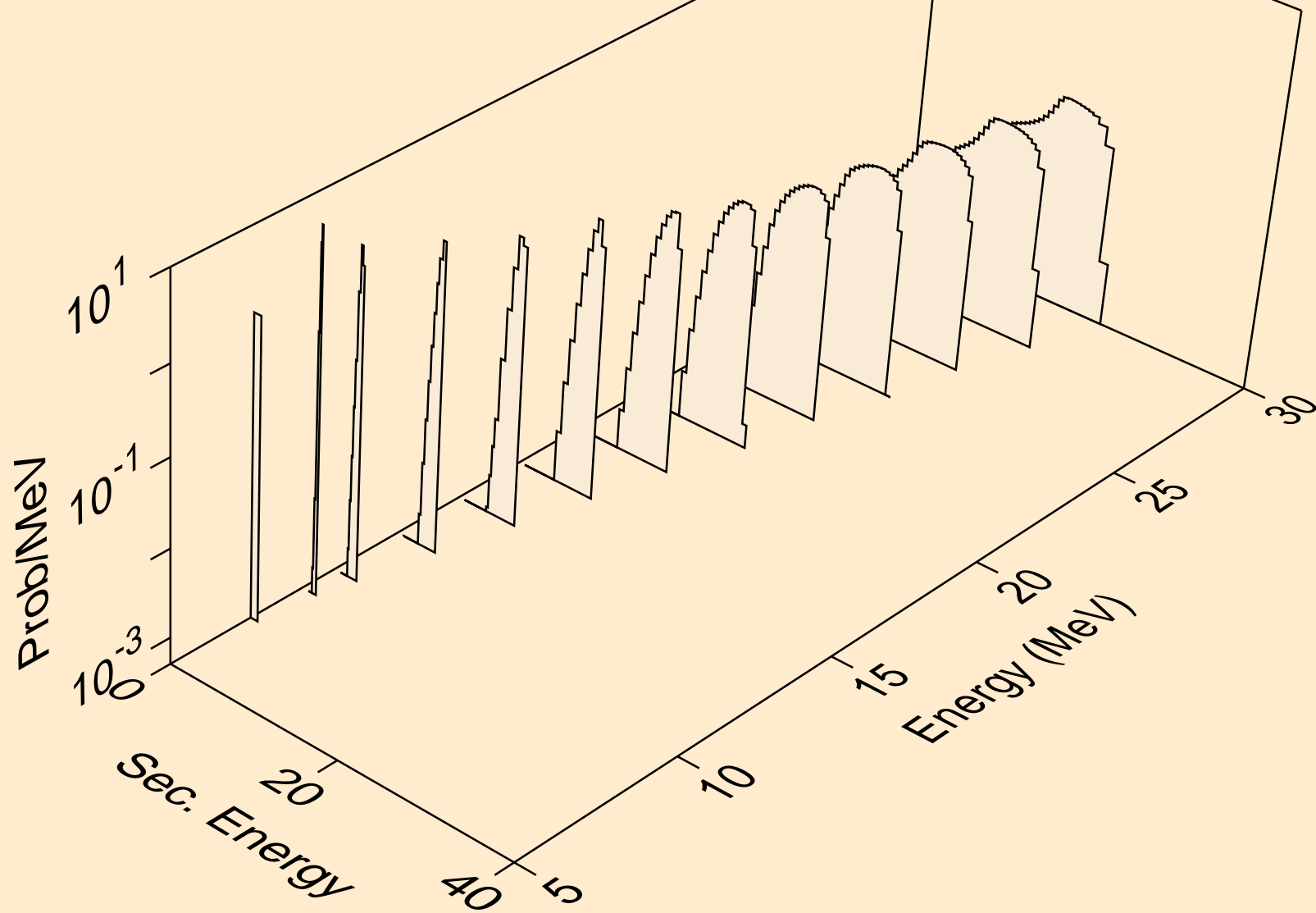


HF182M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,x)

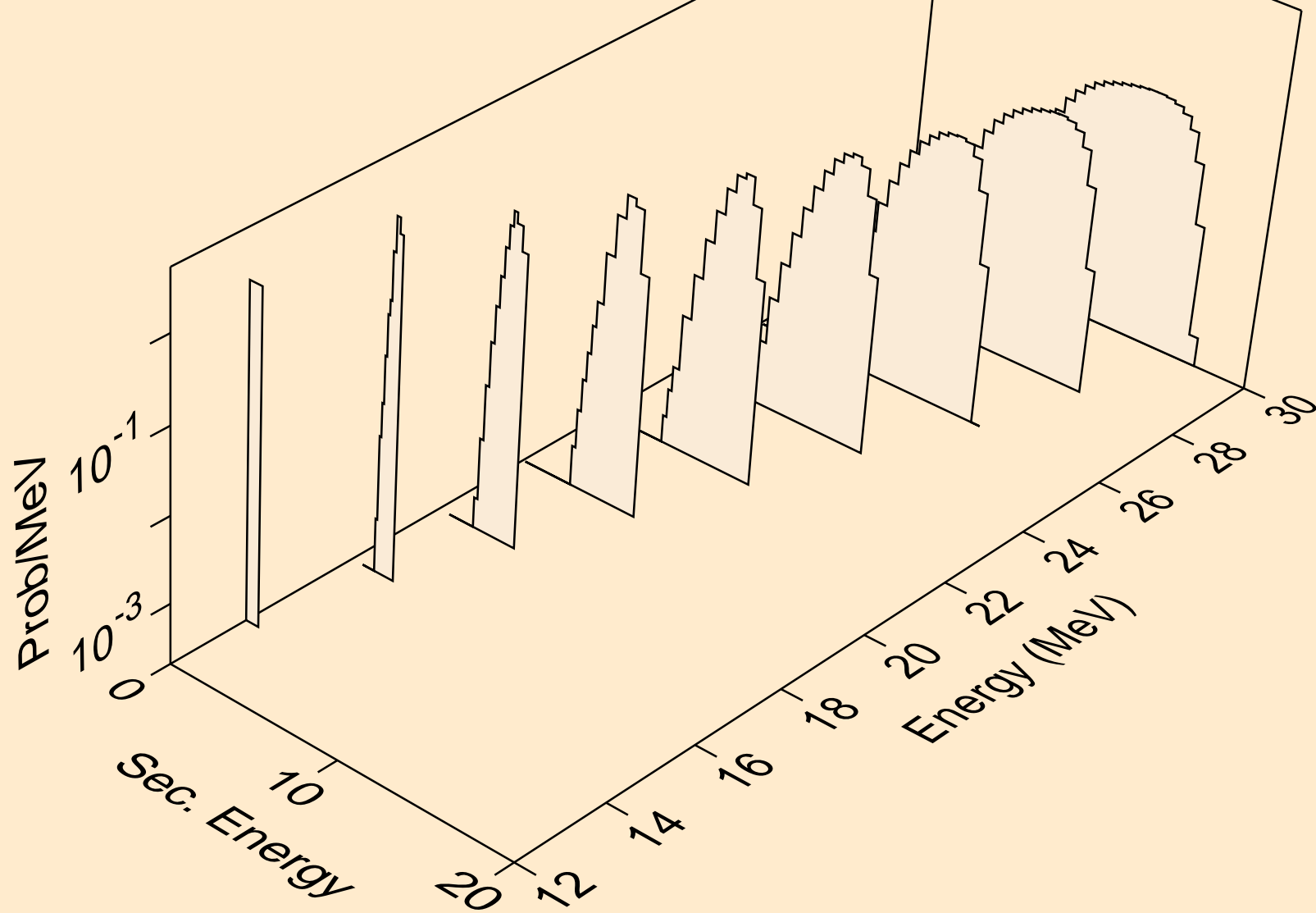




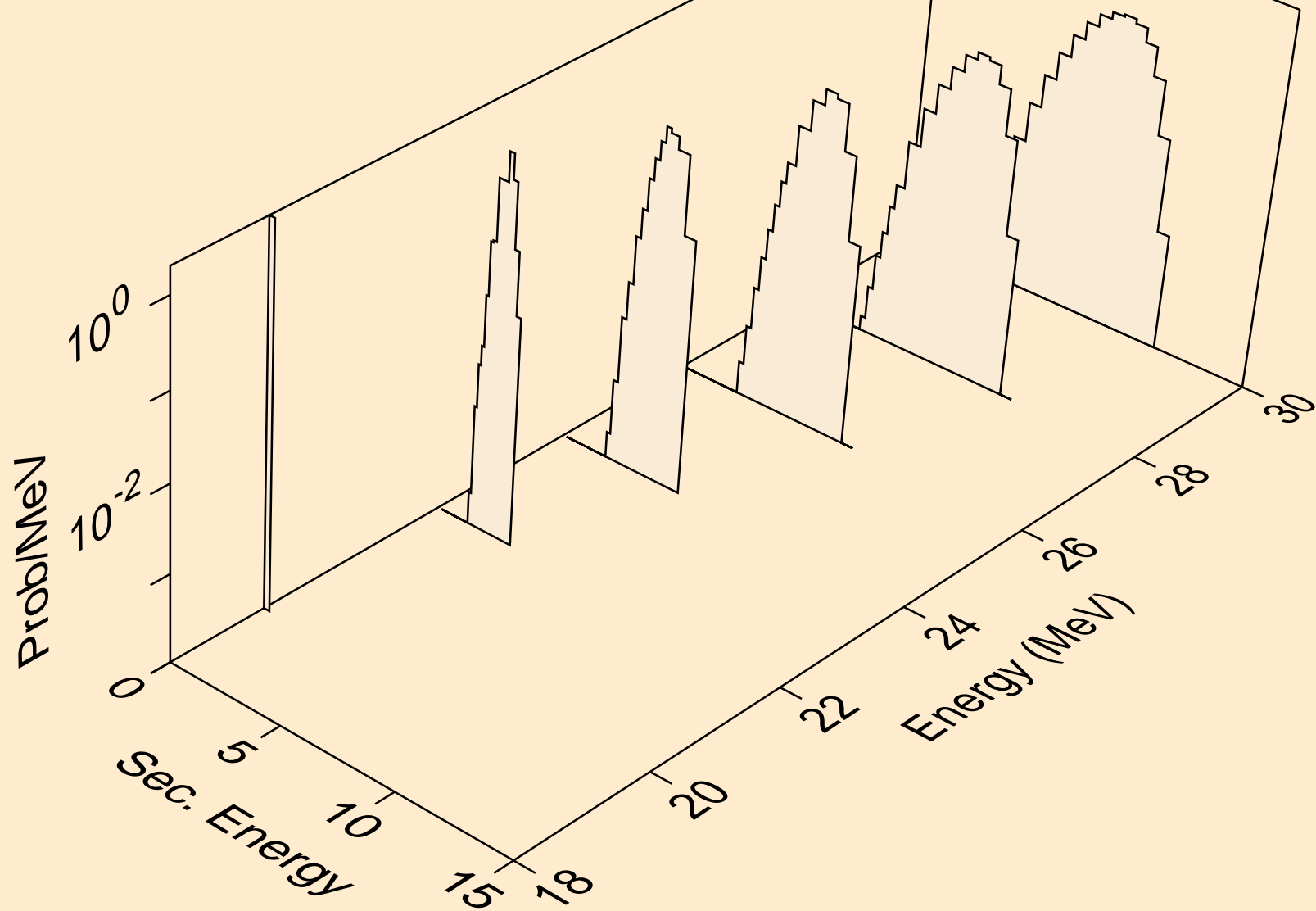
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protons from (n,n\*)p



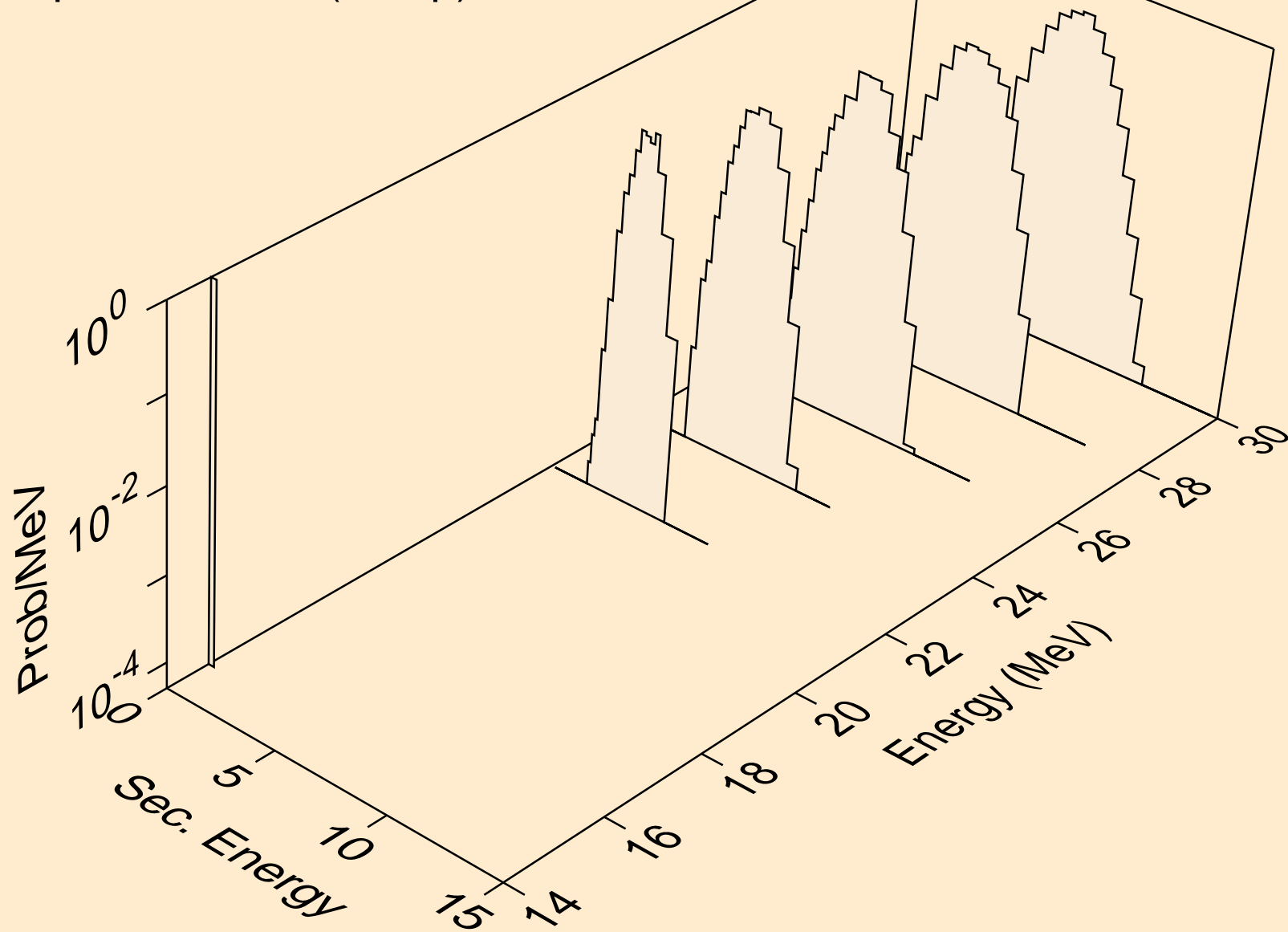
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protons from (n,2np)



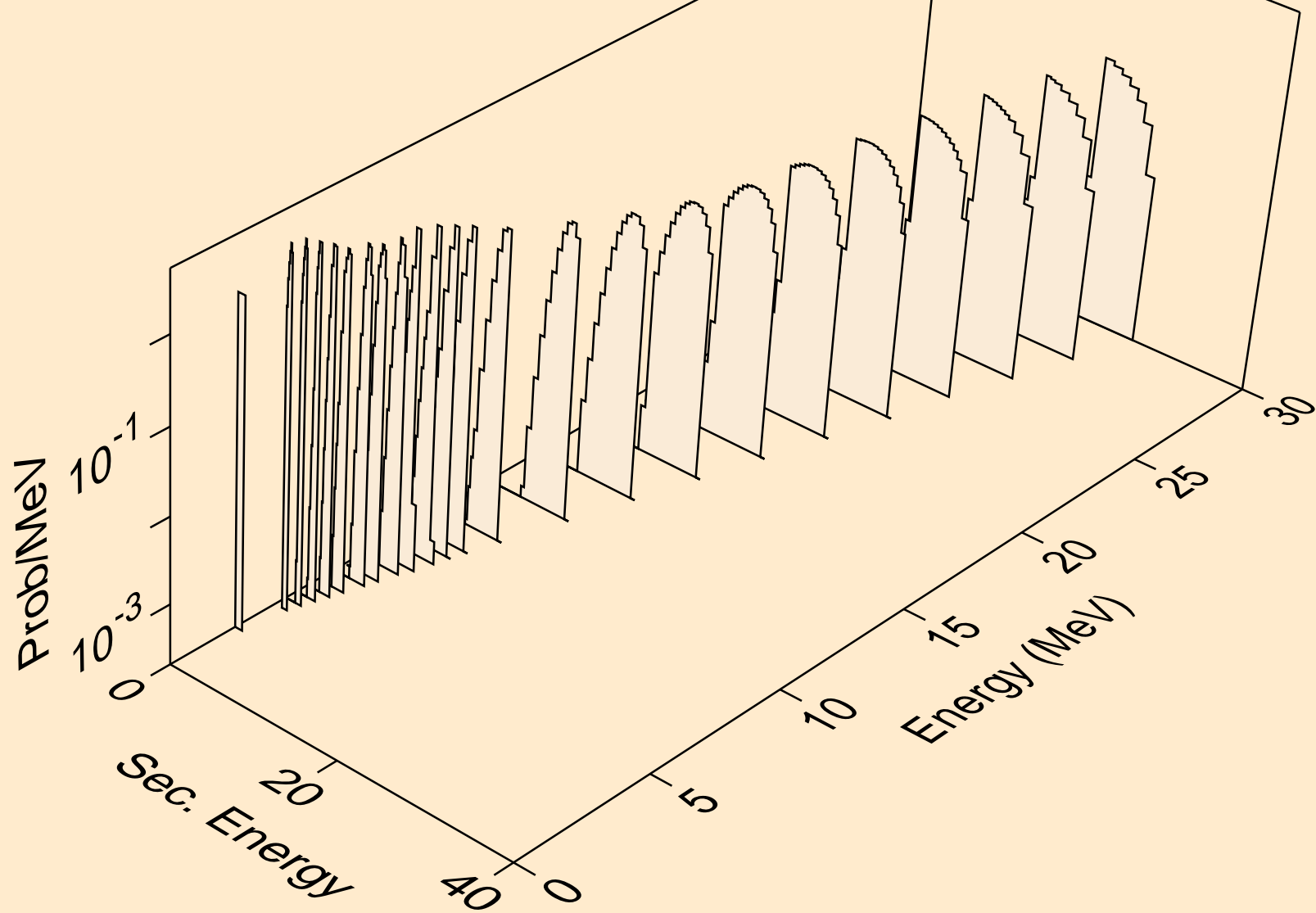
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protons from (n,3np)



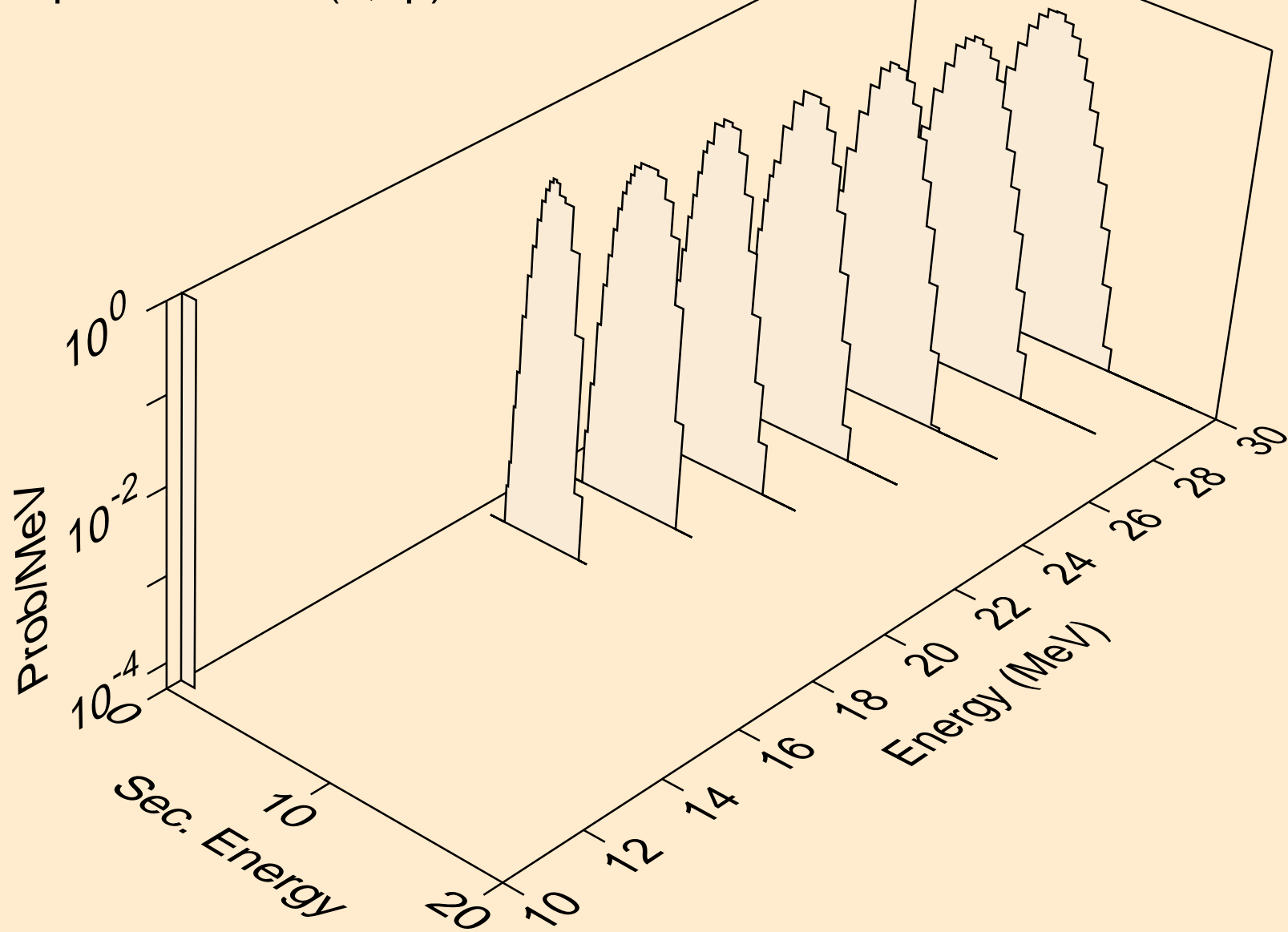
HF182M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,2np)



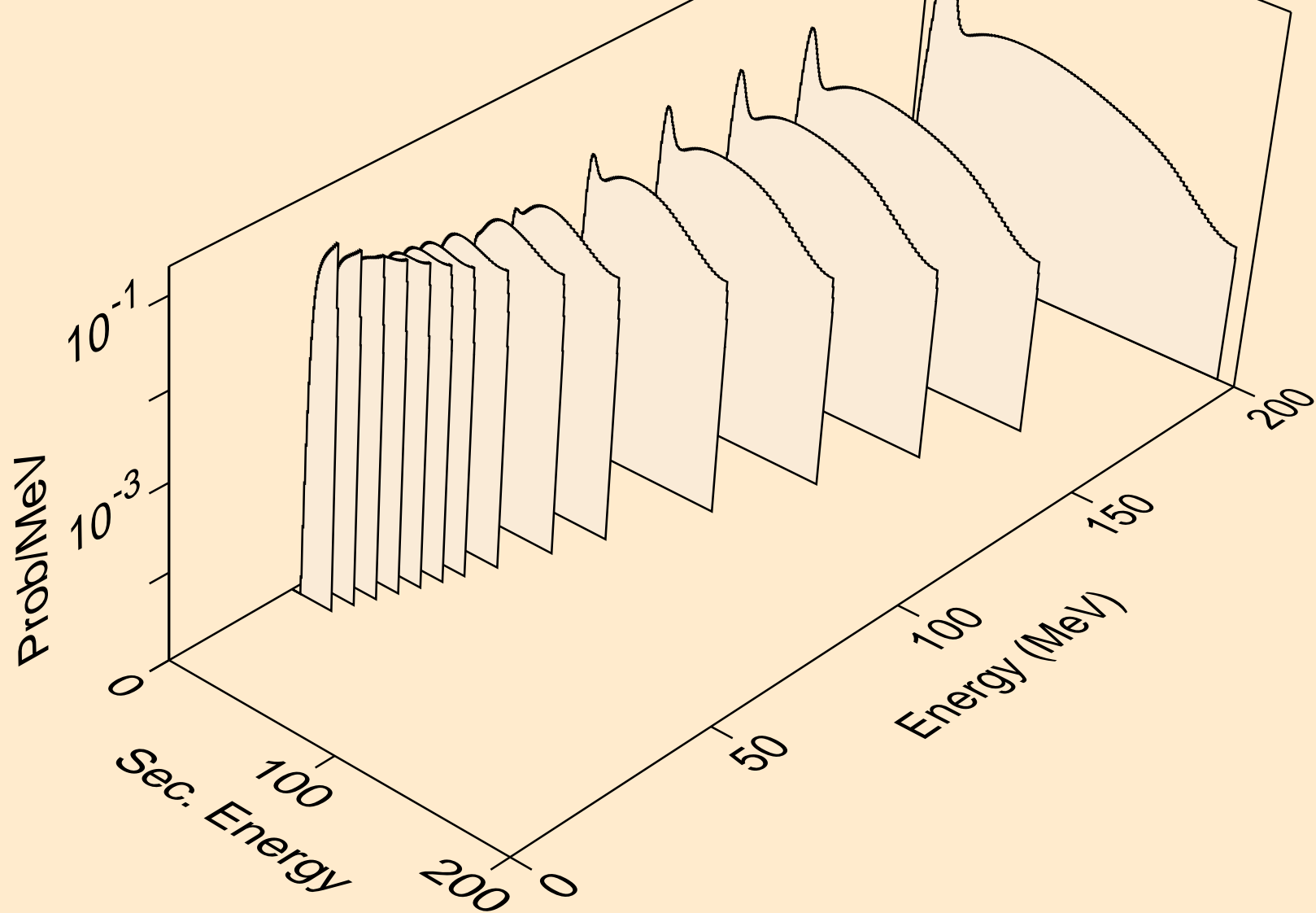
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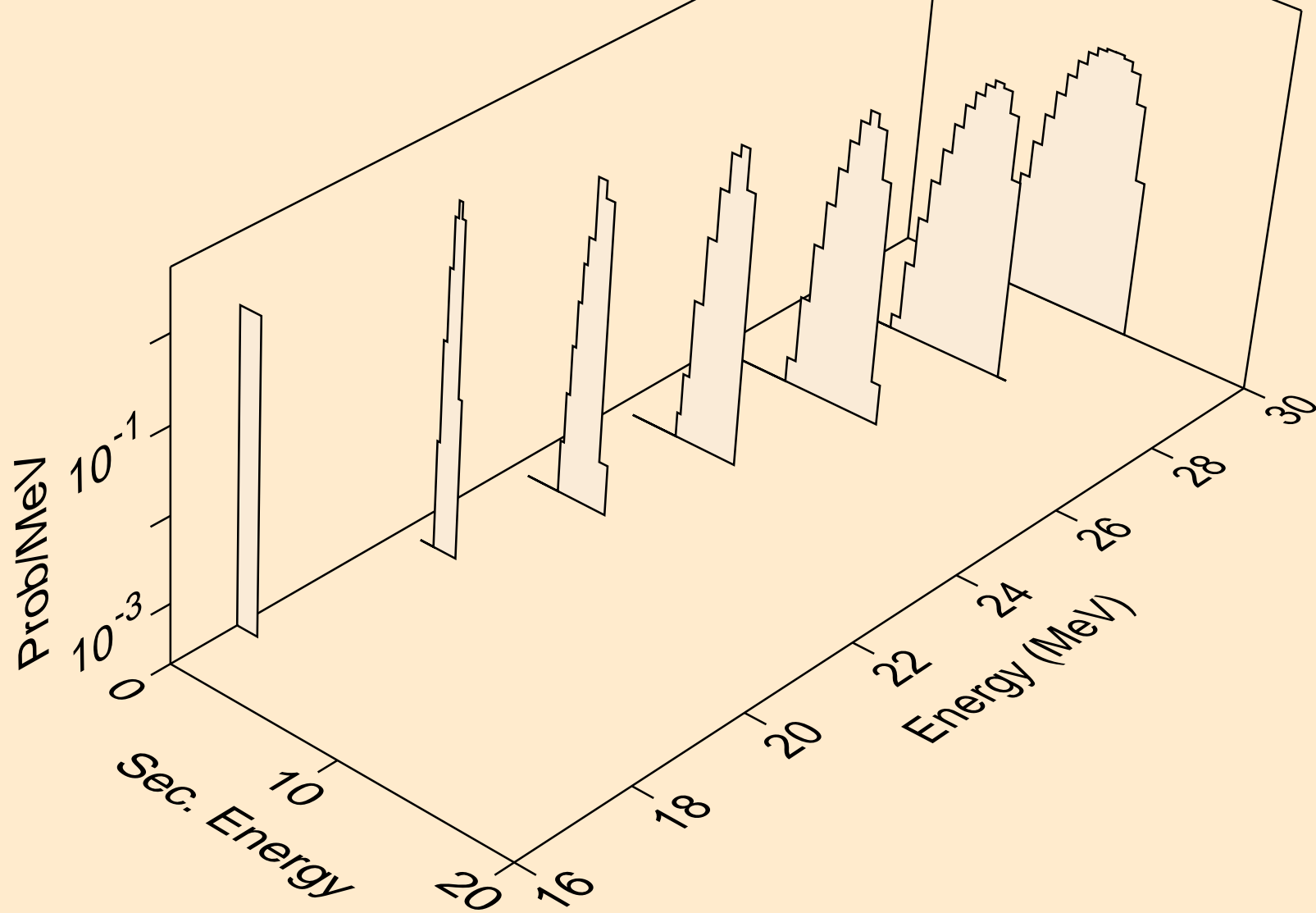
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protons from (n,2p)



HF182M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,x)

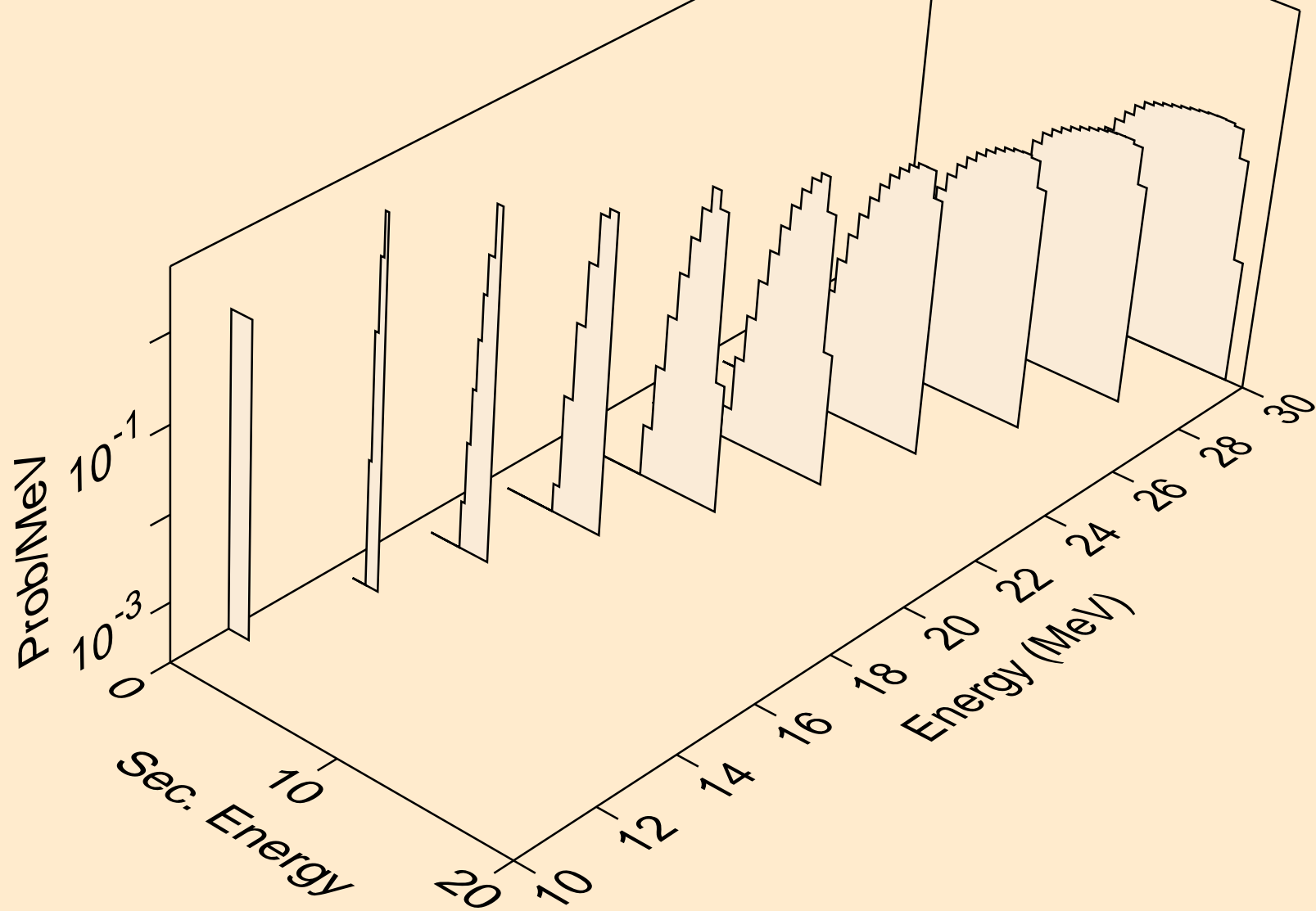


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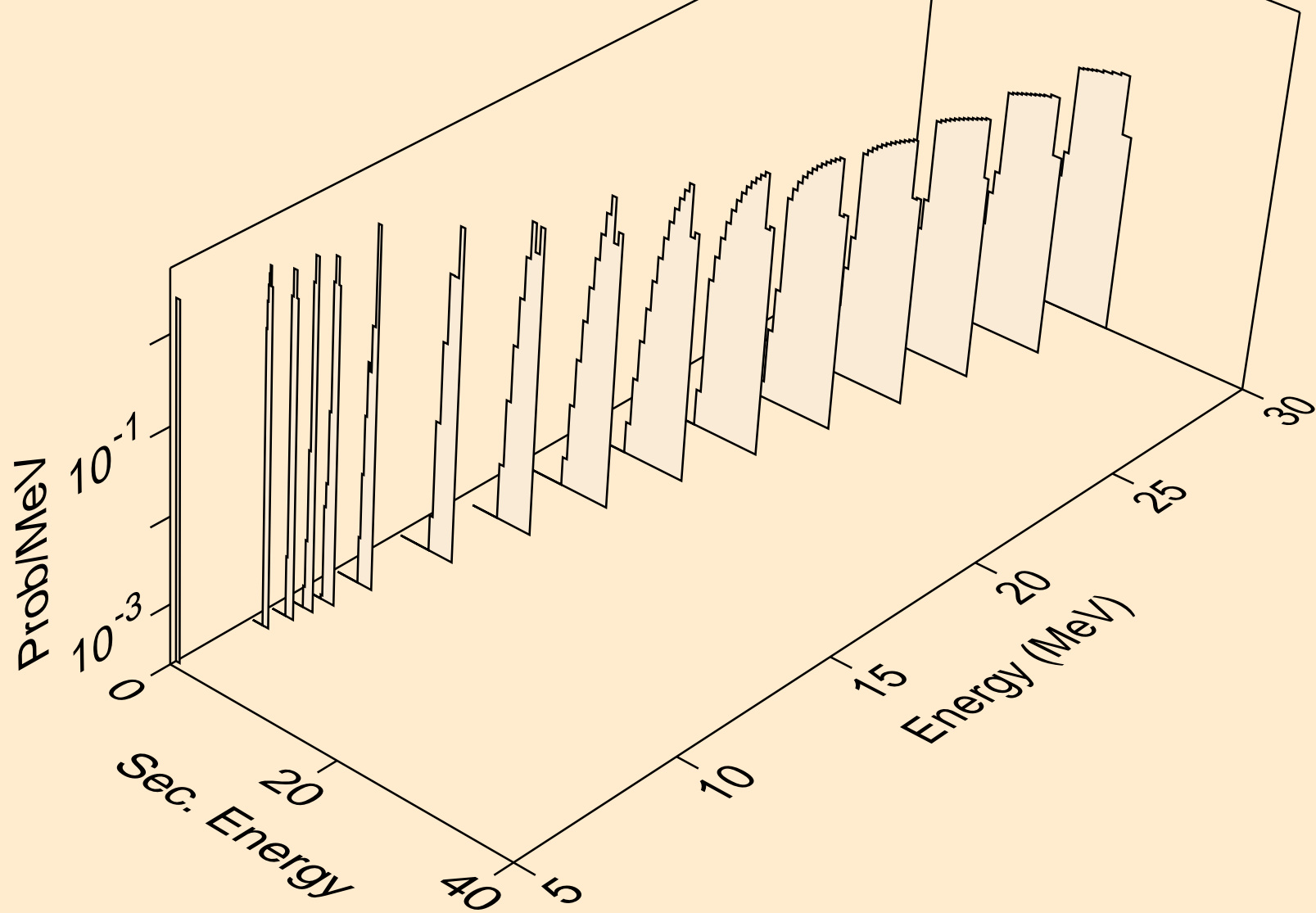




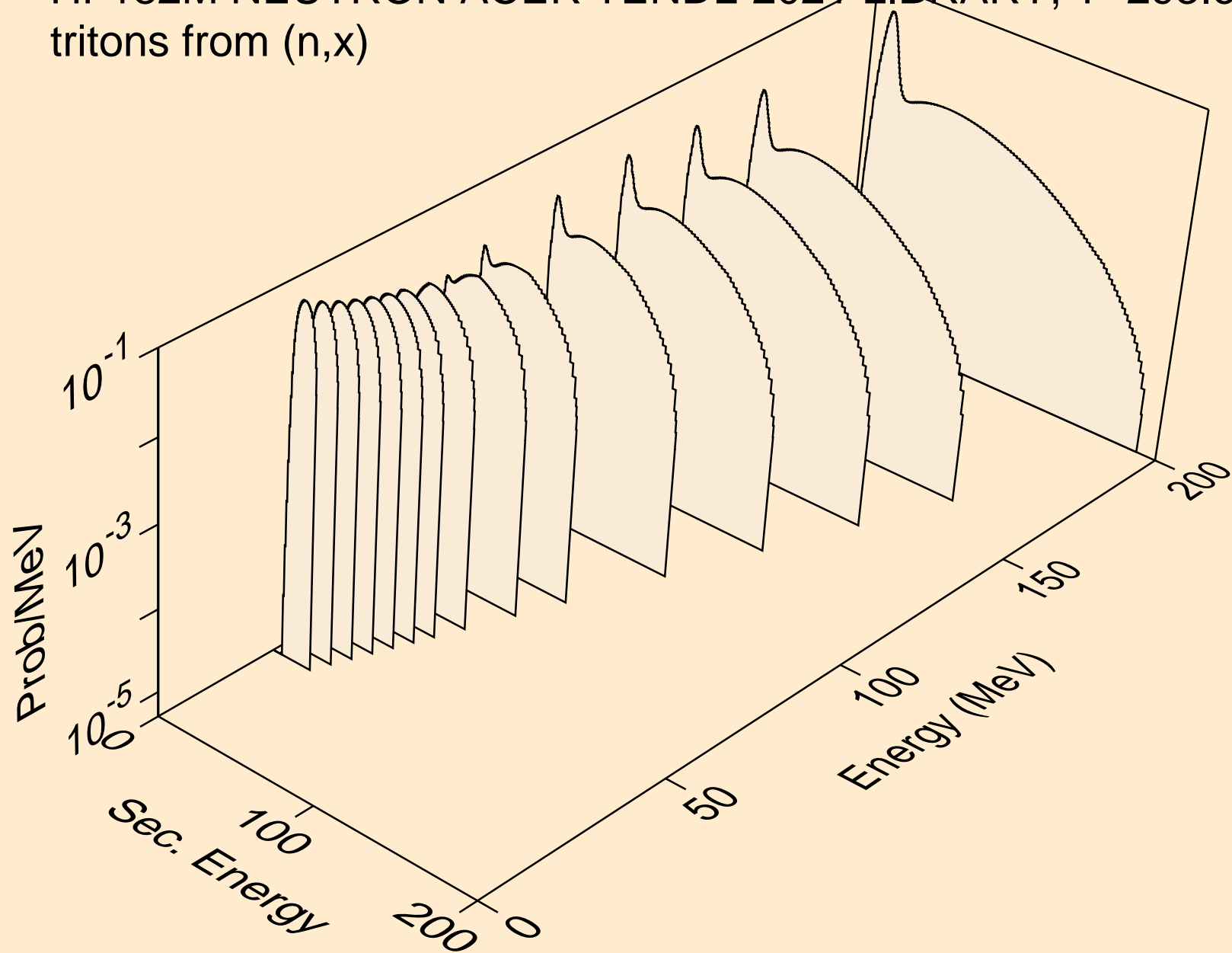
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deuterons from (n,n\*)d



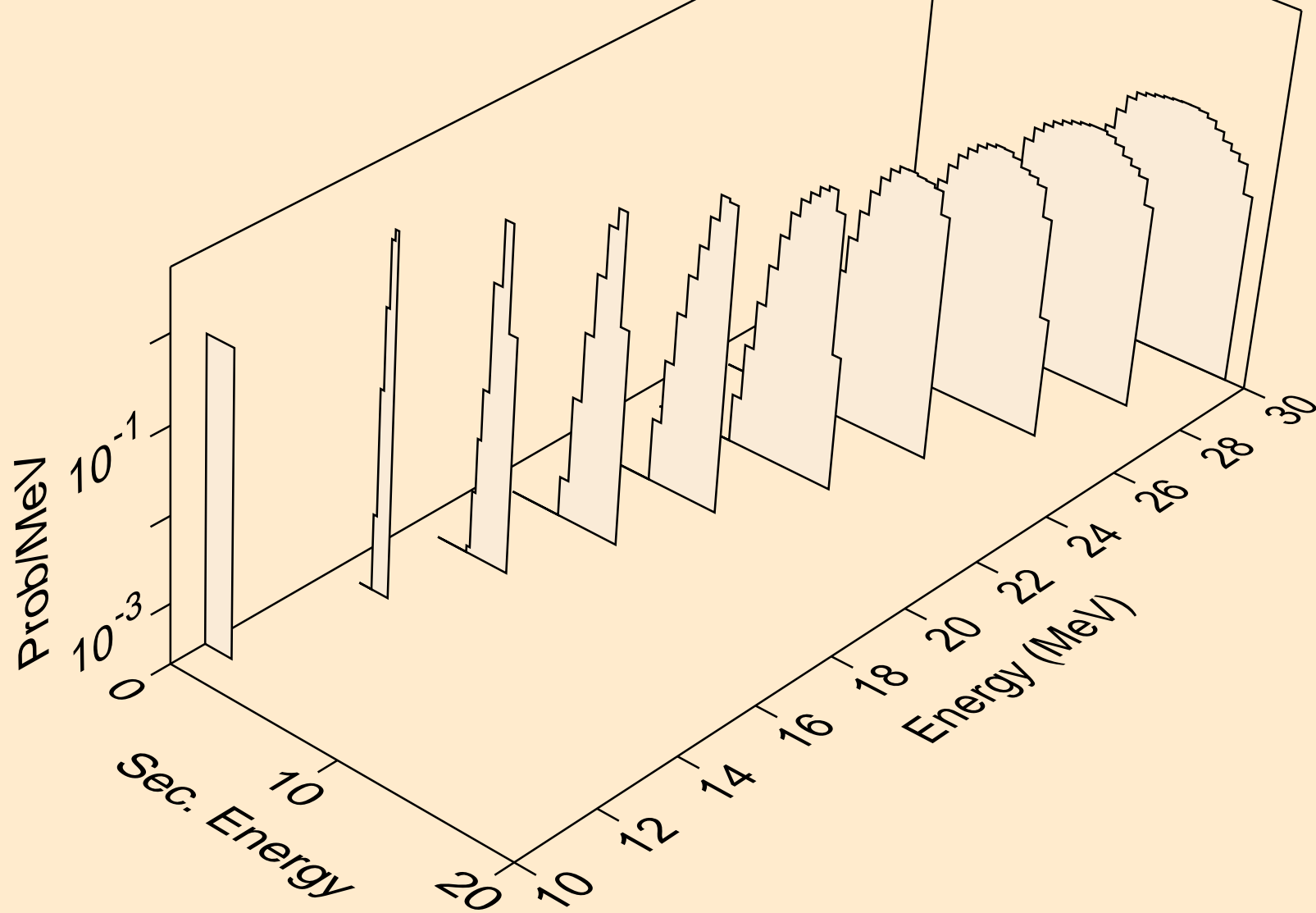
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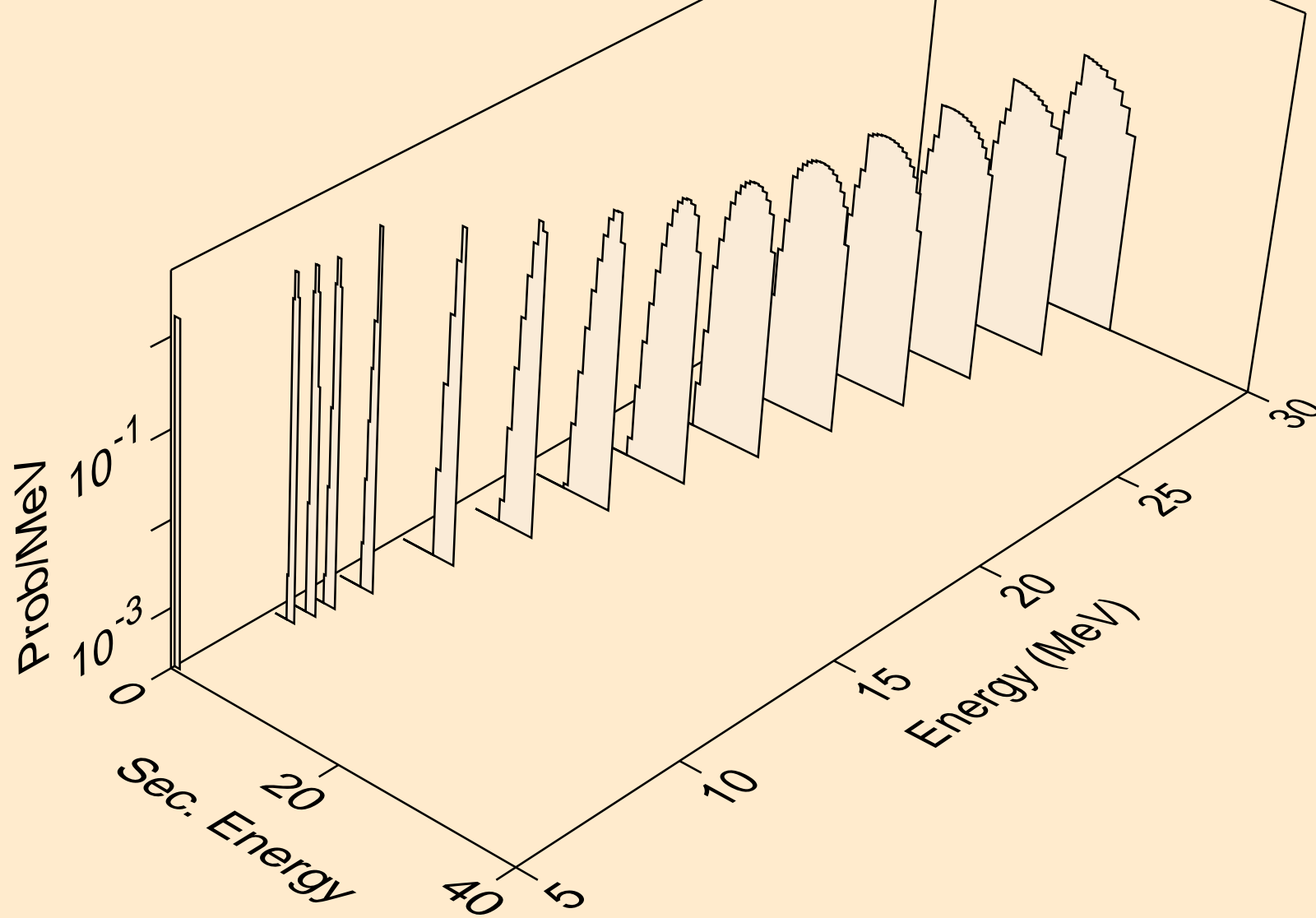
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tritons from (n,x)



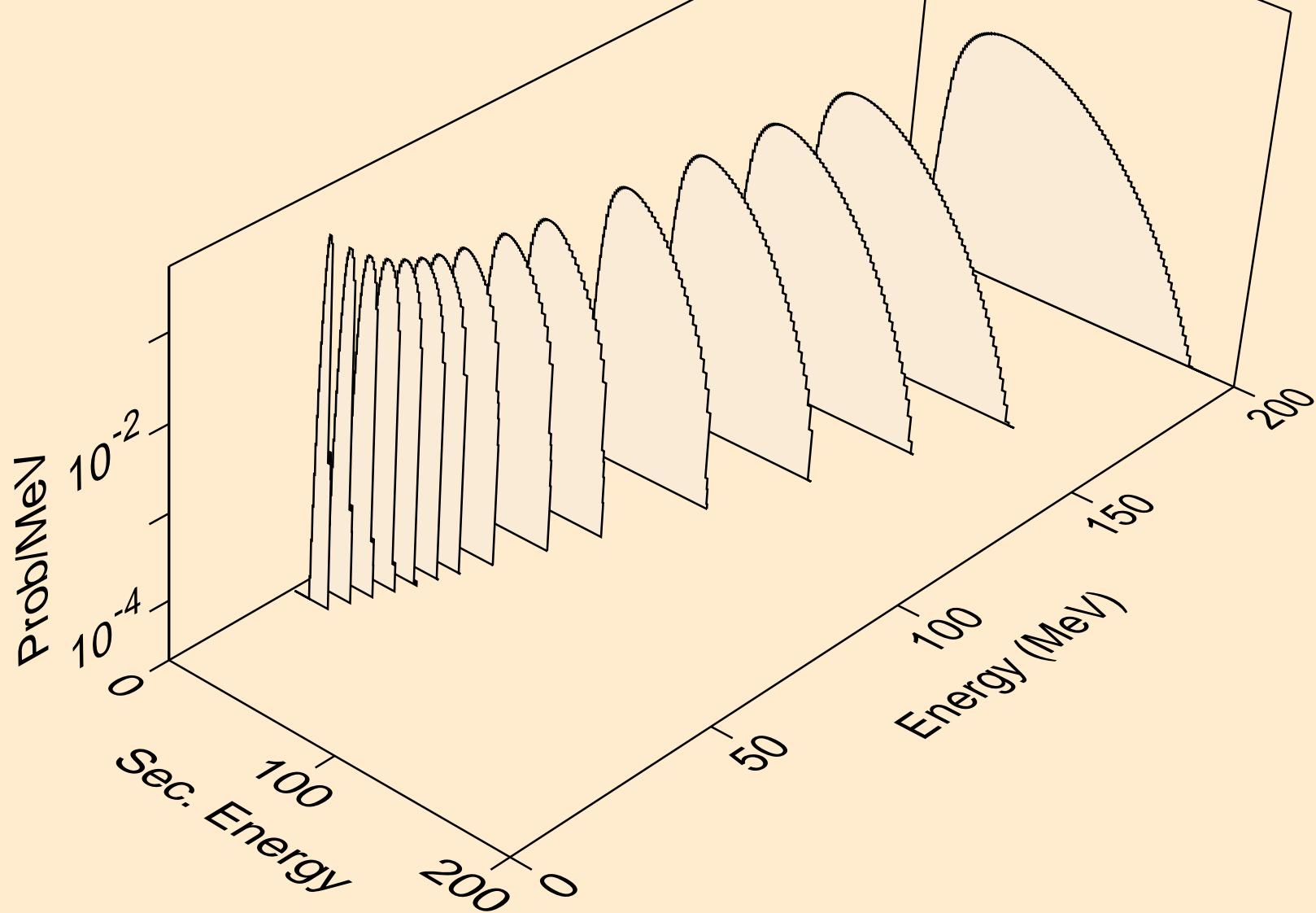
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tritons from (n,n\*)t



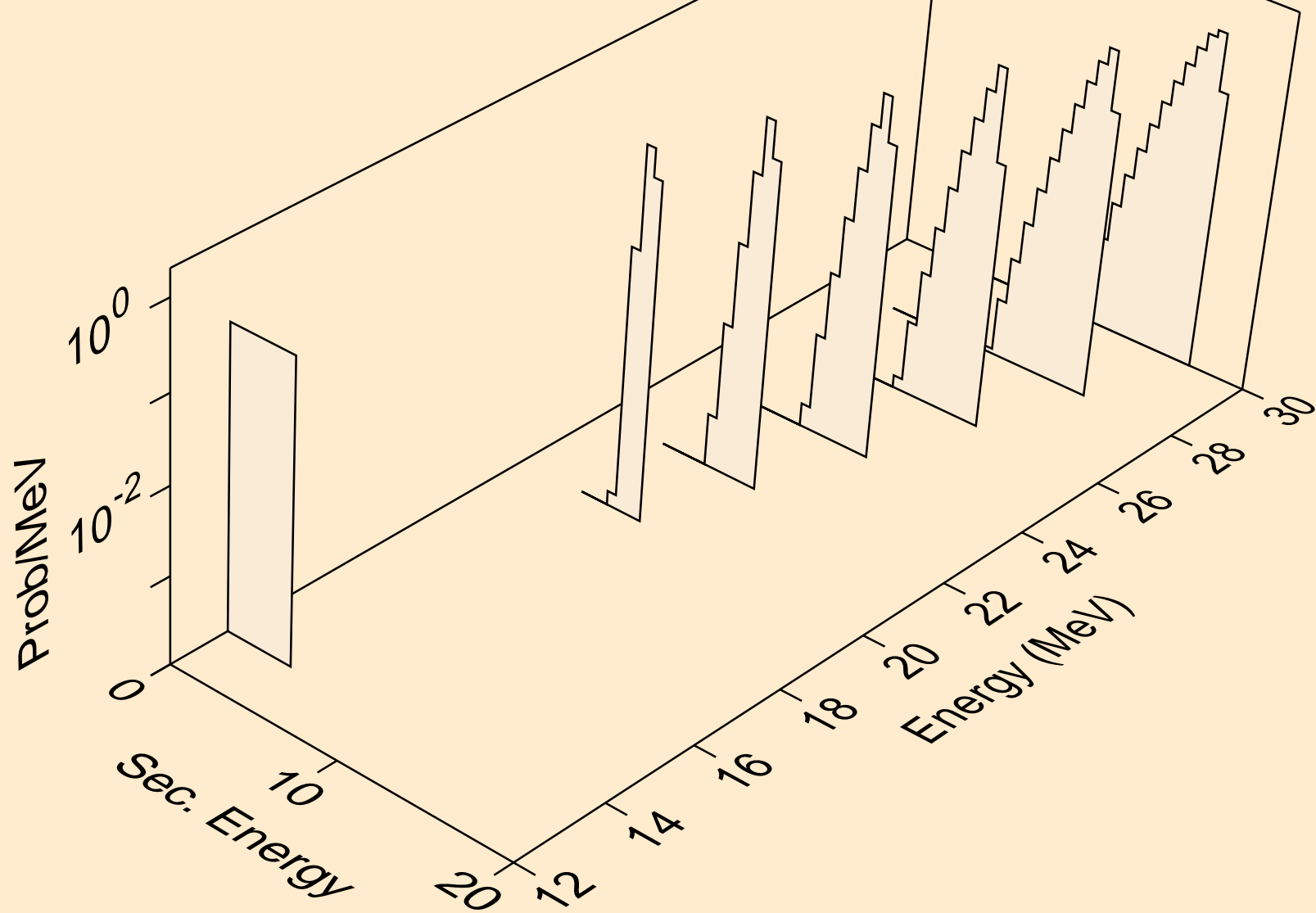
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tritons from (n,t)



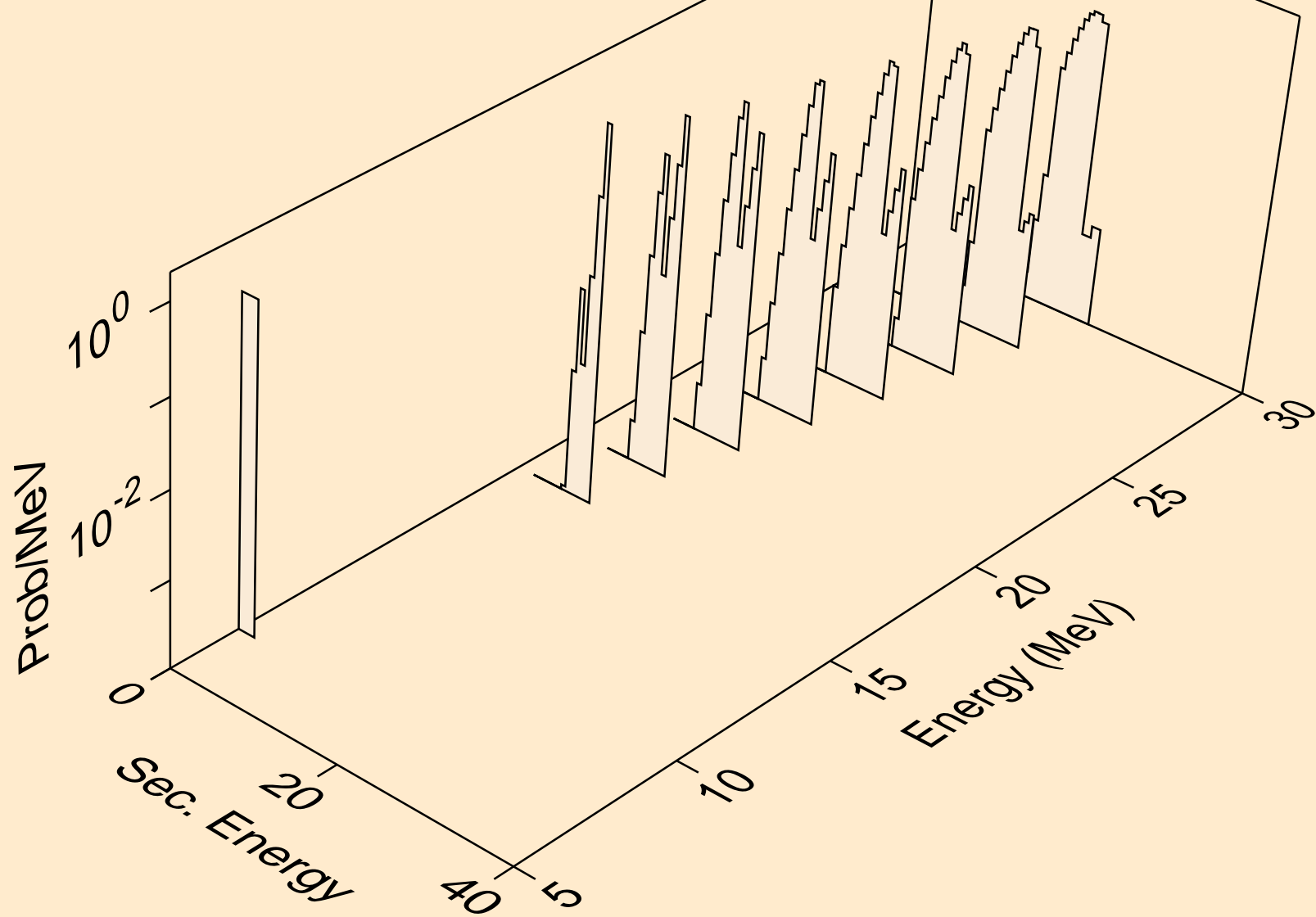
HF182M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
he3s from (n,x)



HF182M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
he3s from (n,n\*)he3

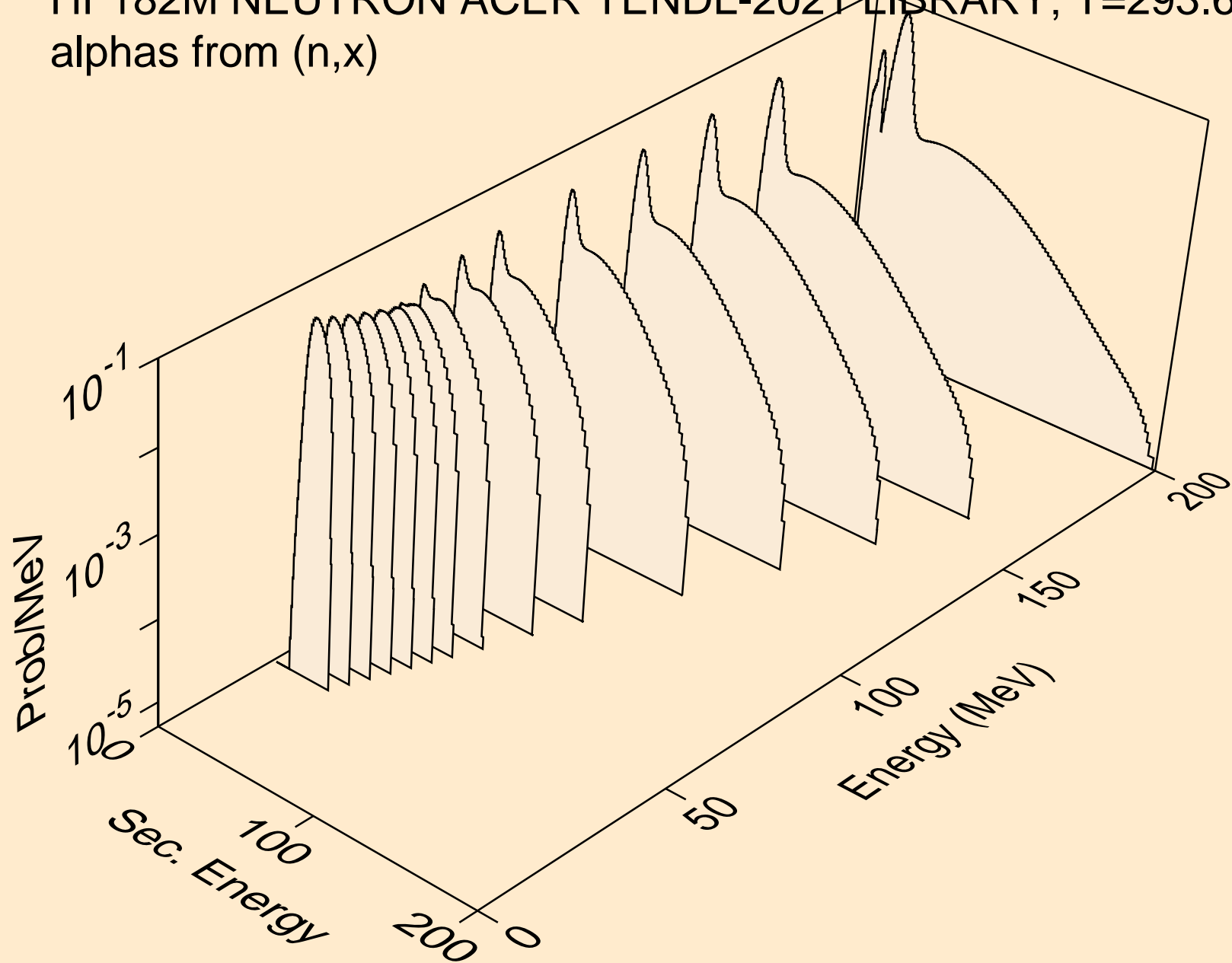


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he3s from (n,he3)

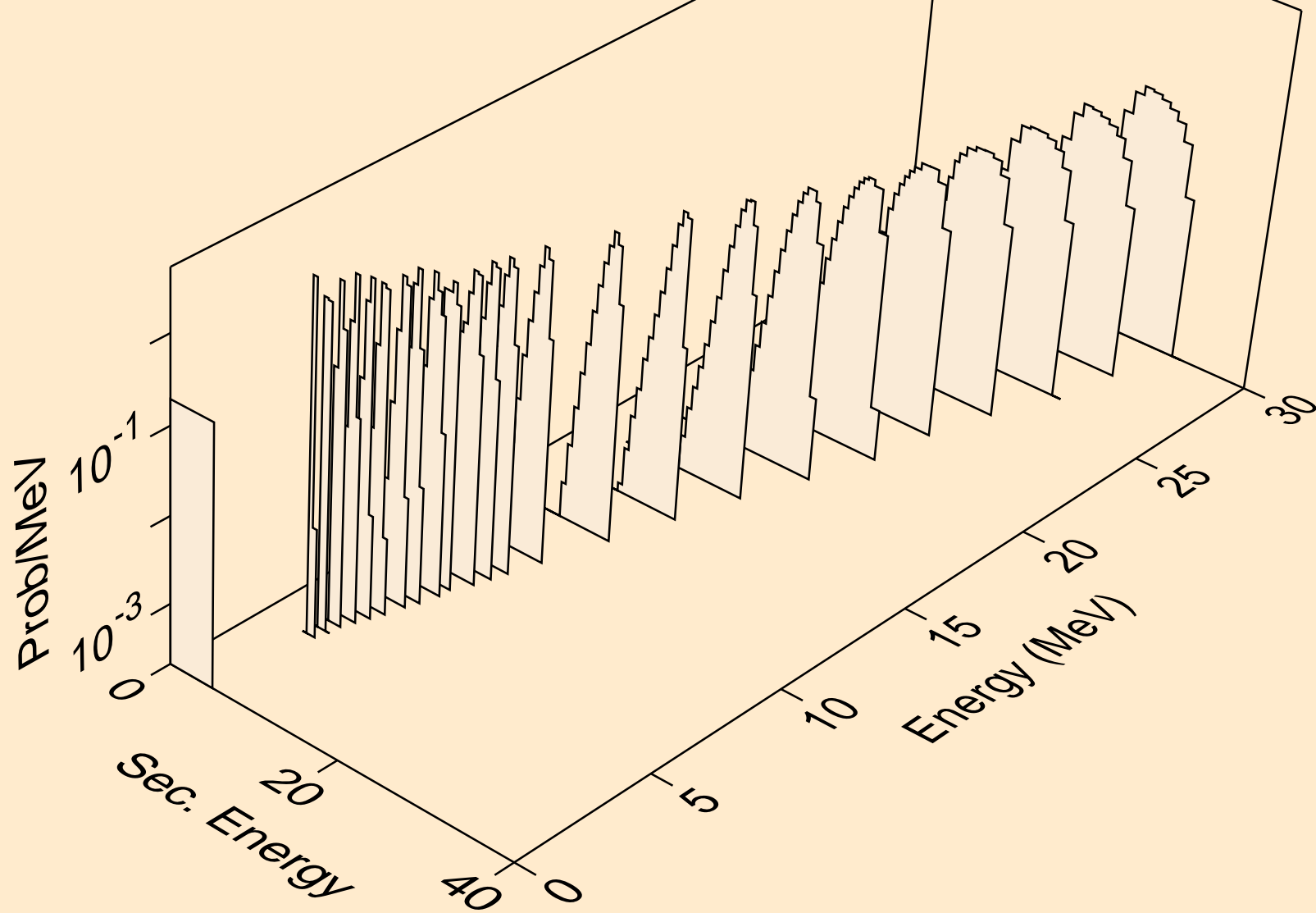




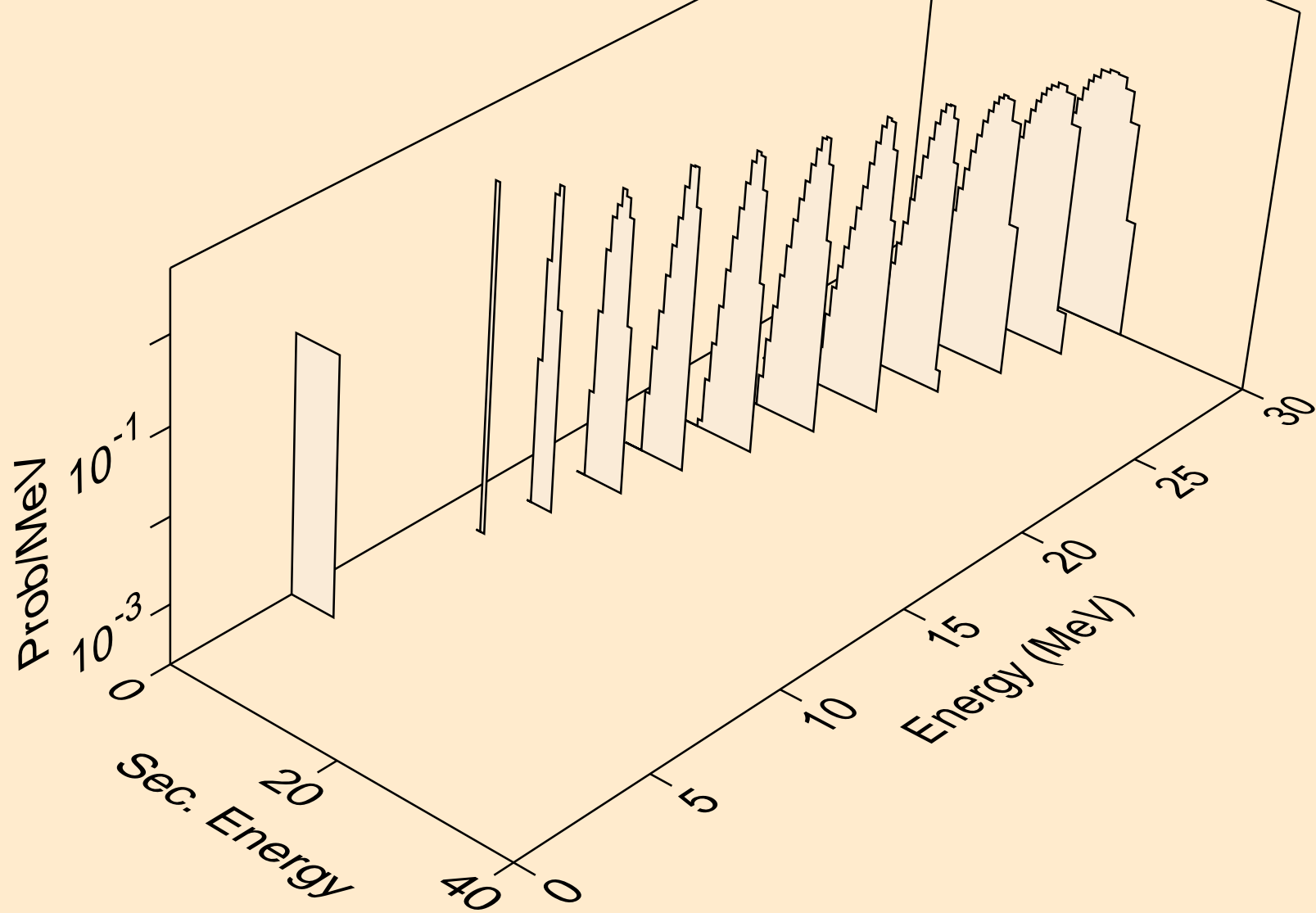
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alphas from (n,x)



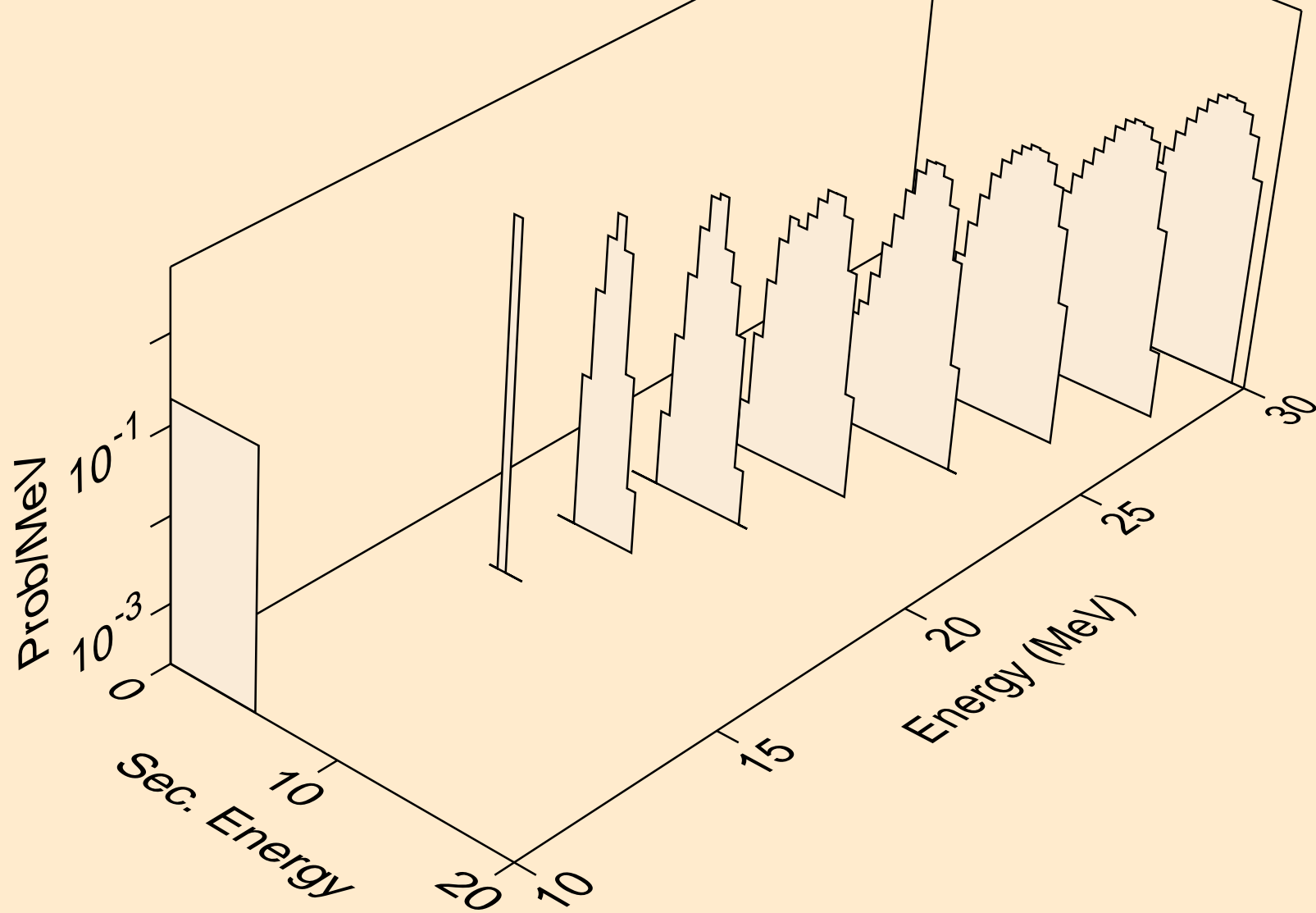
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alphas from (n,n\*)a



HF182M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2n)a



HF182M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,3n)a



HF182M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,a)

