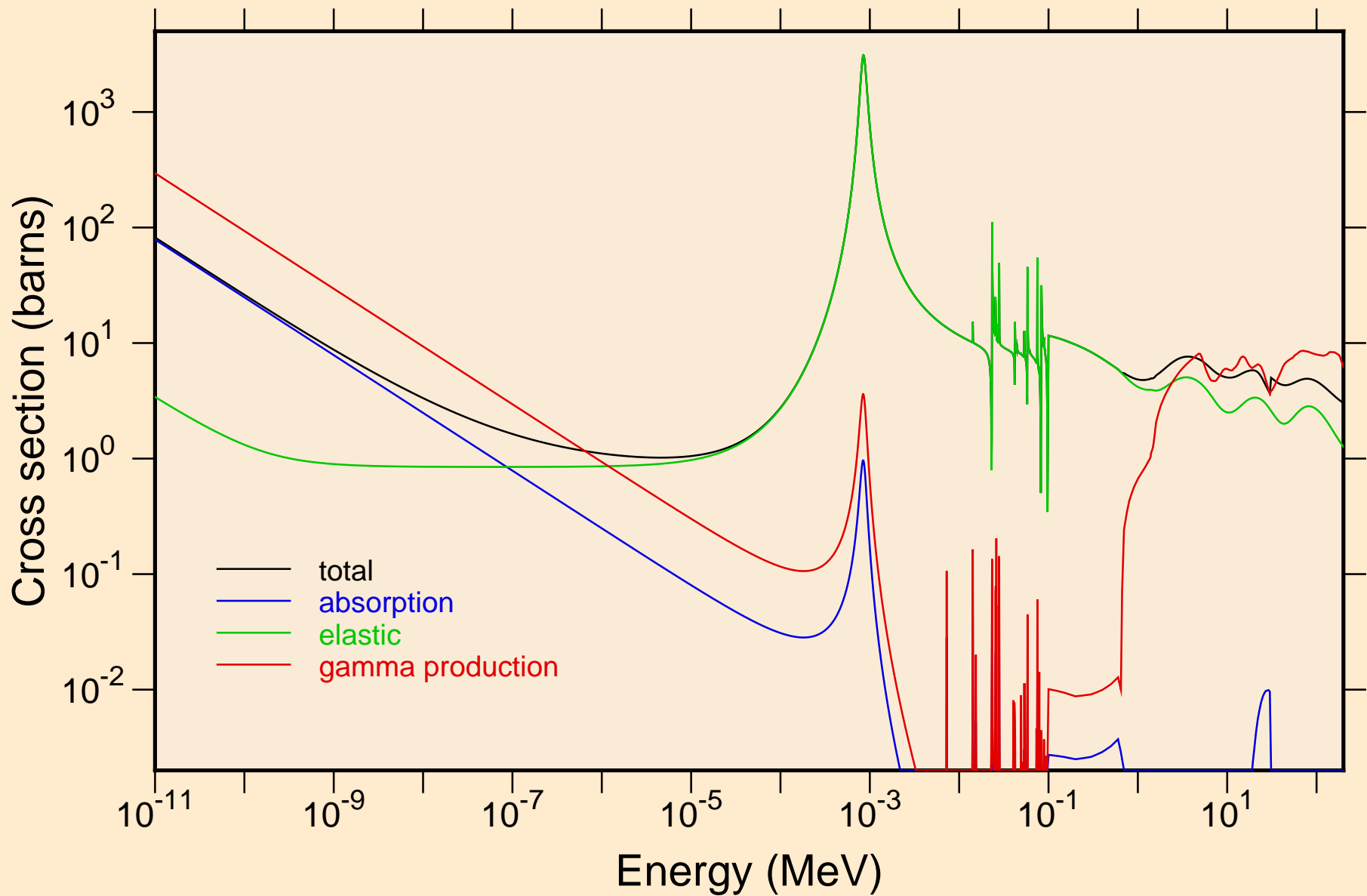
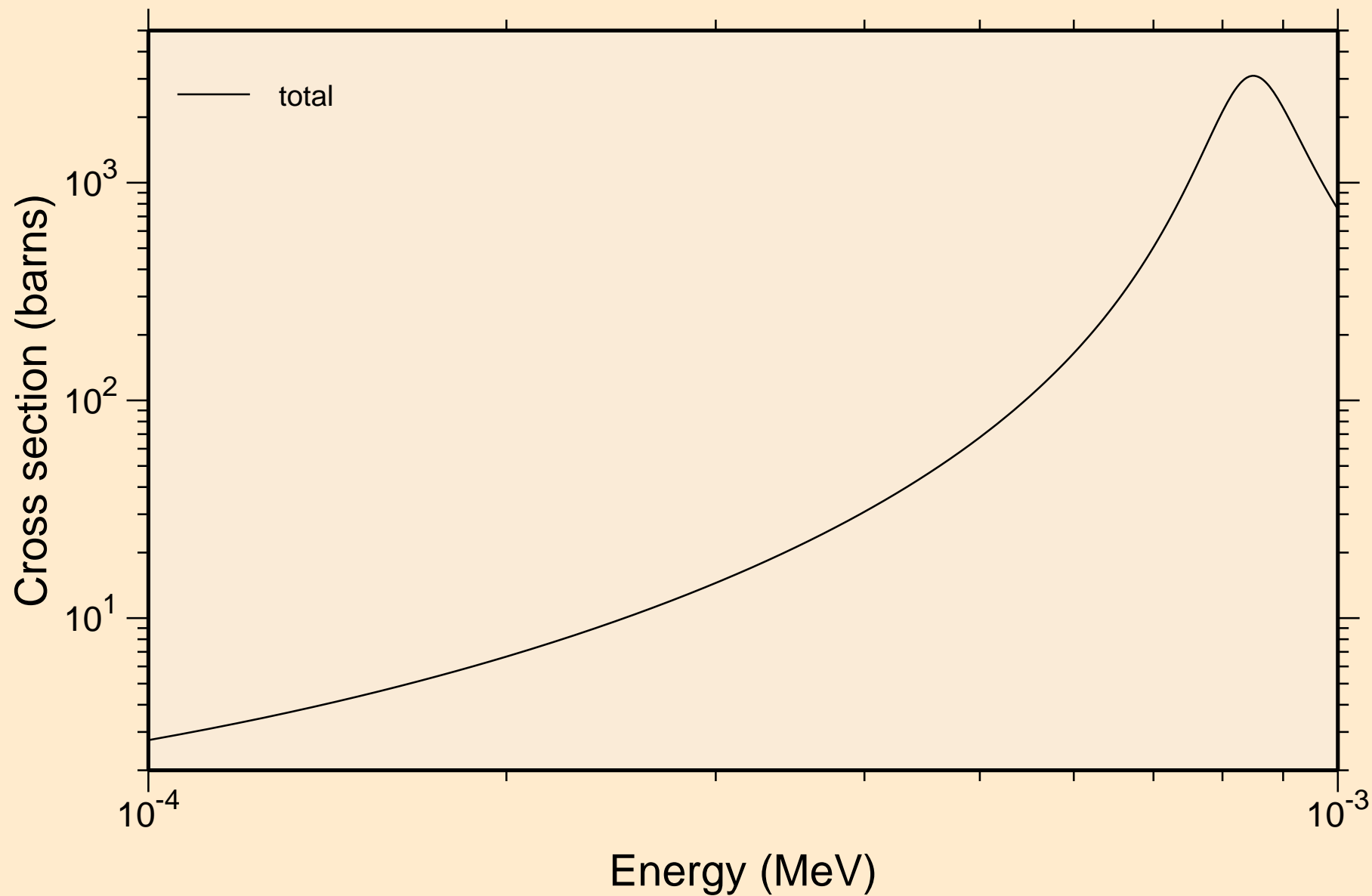


# HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

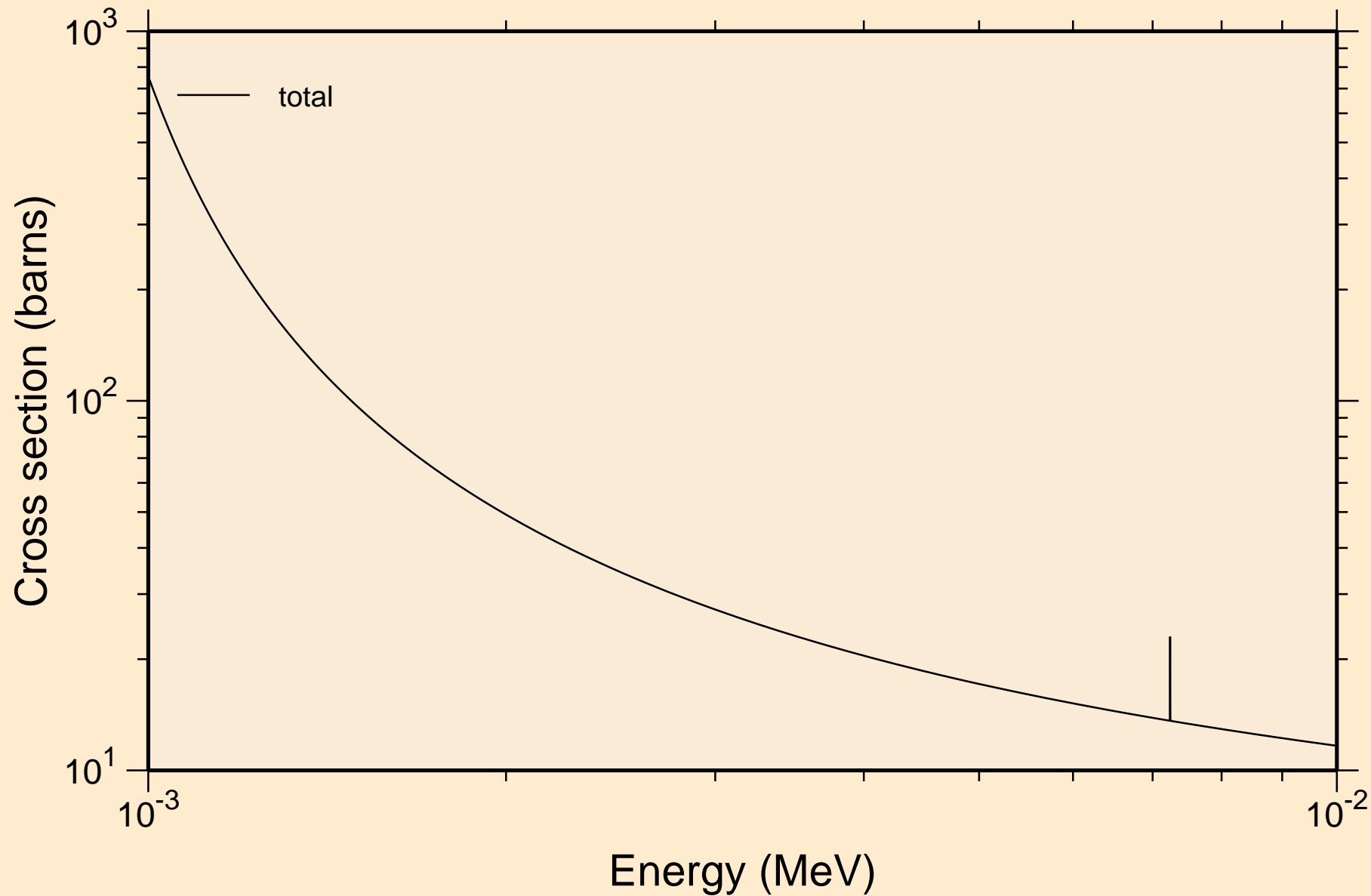
## Principal cross sections



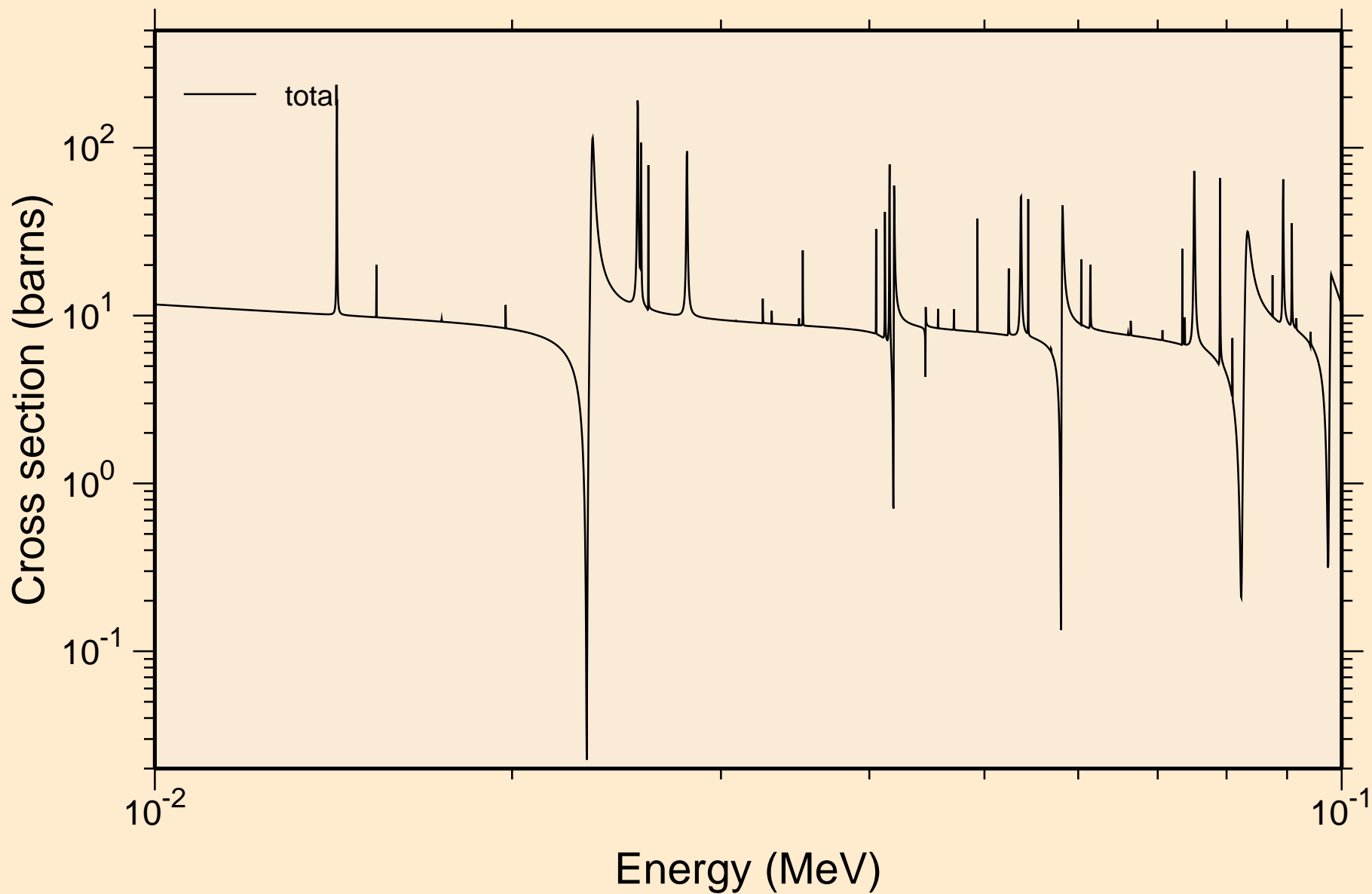
HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



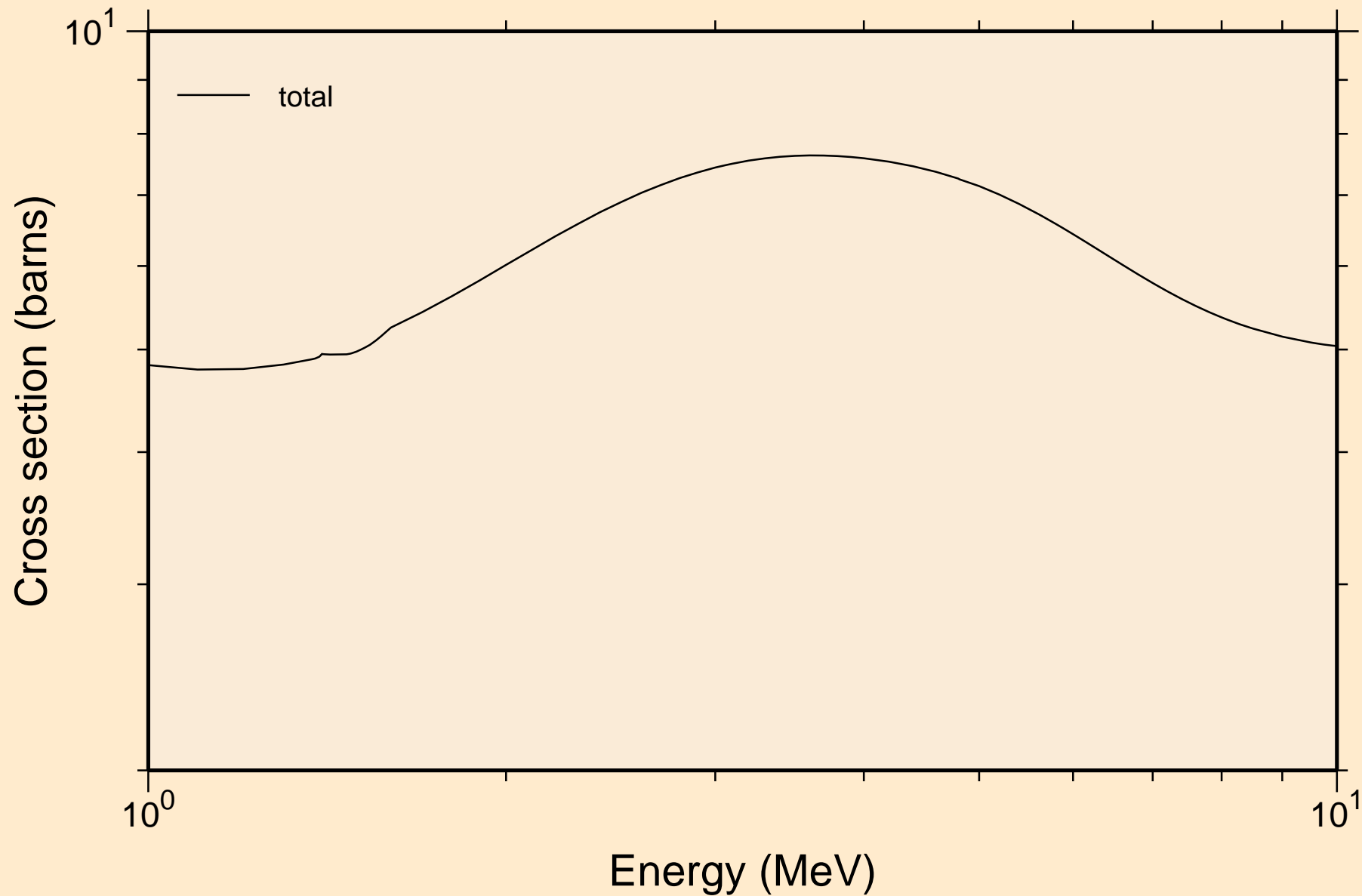
HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



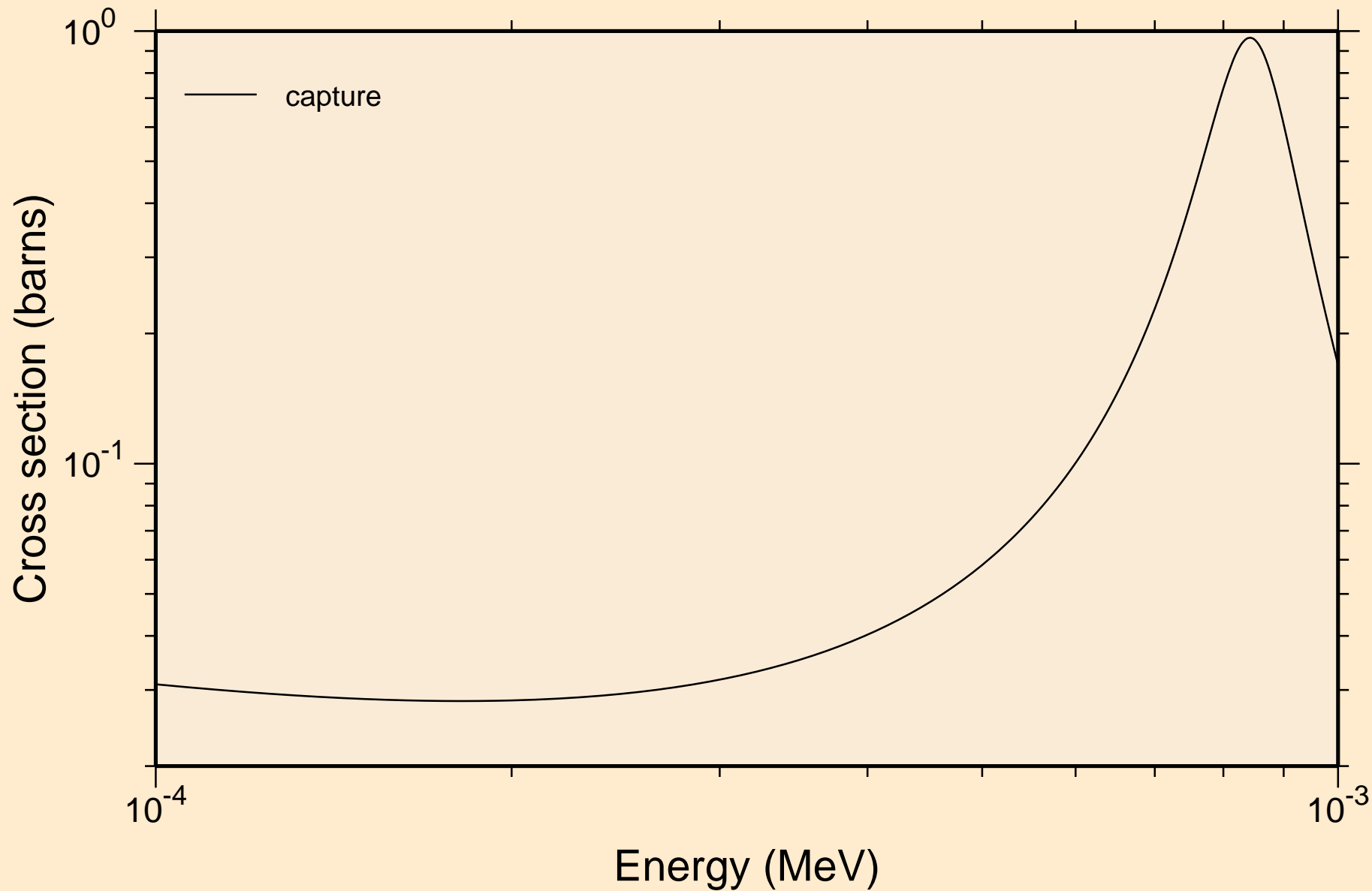
HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



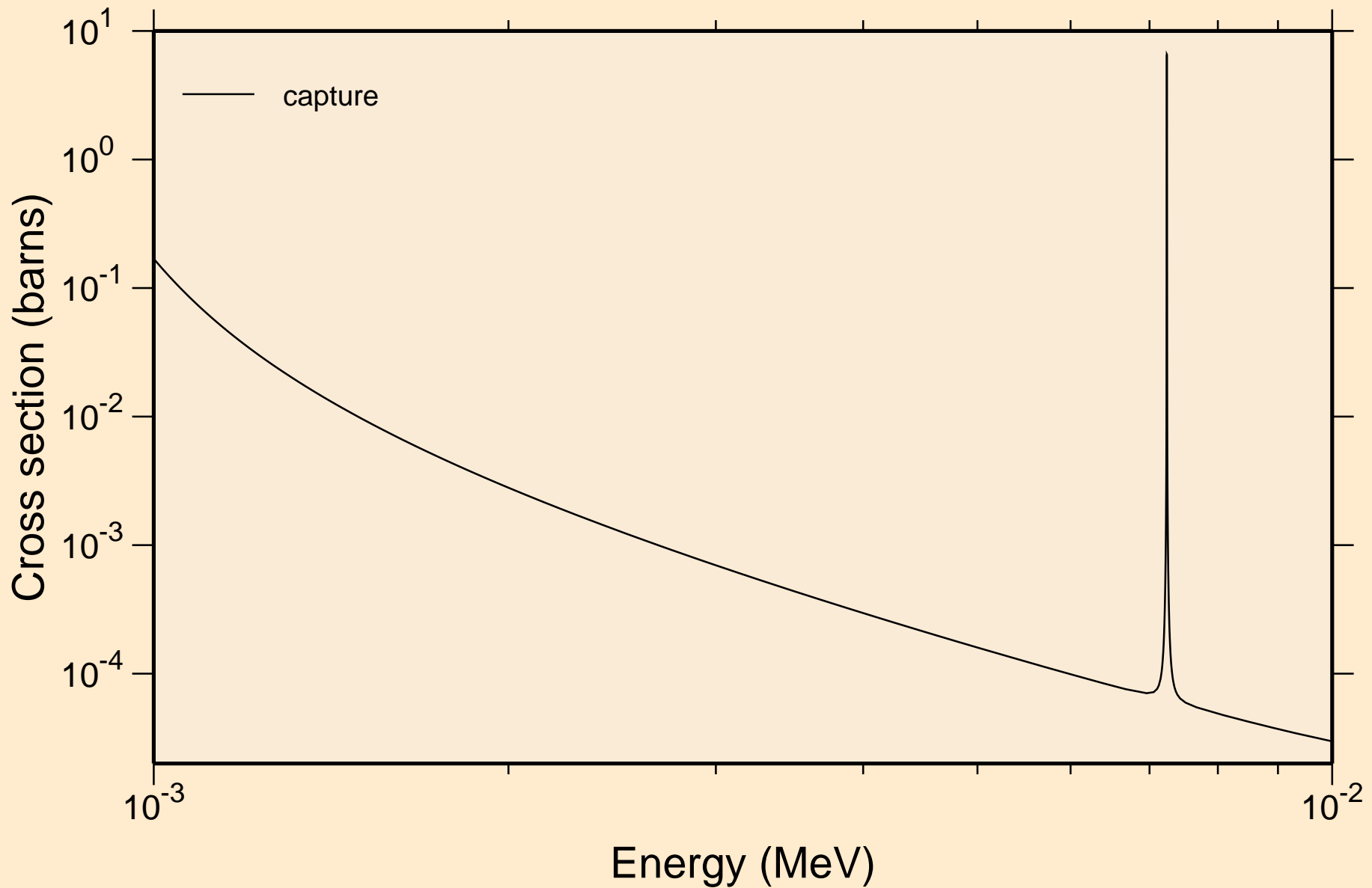
HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



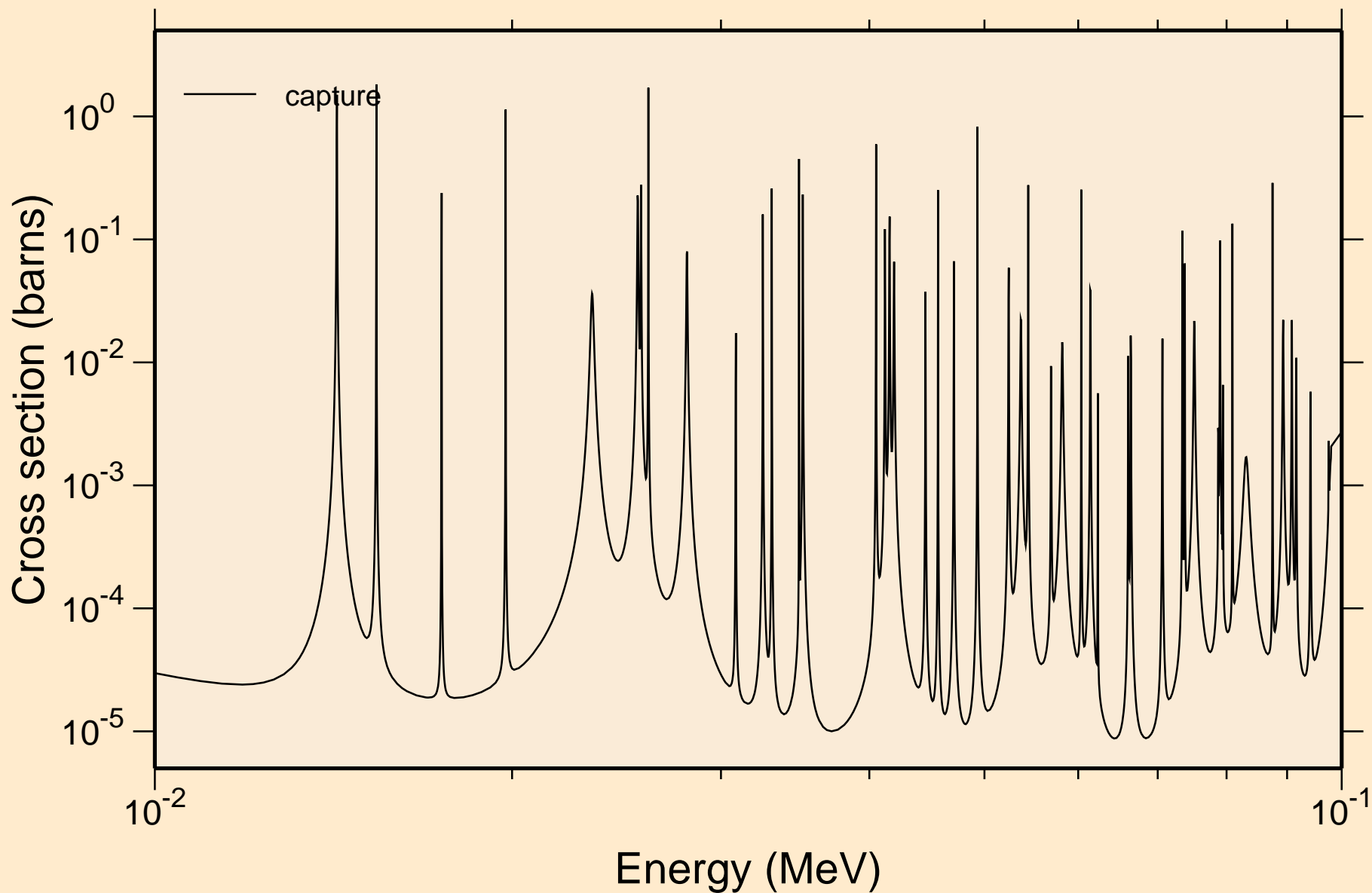
HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections

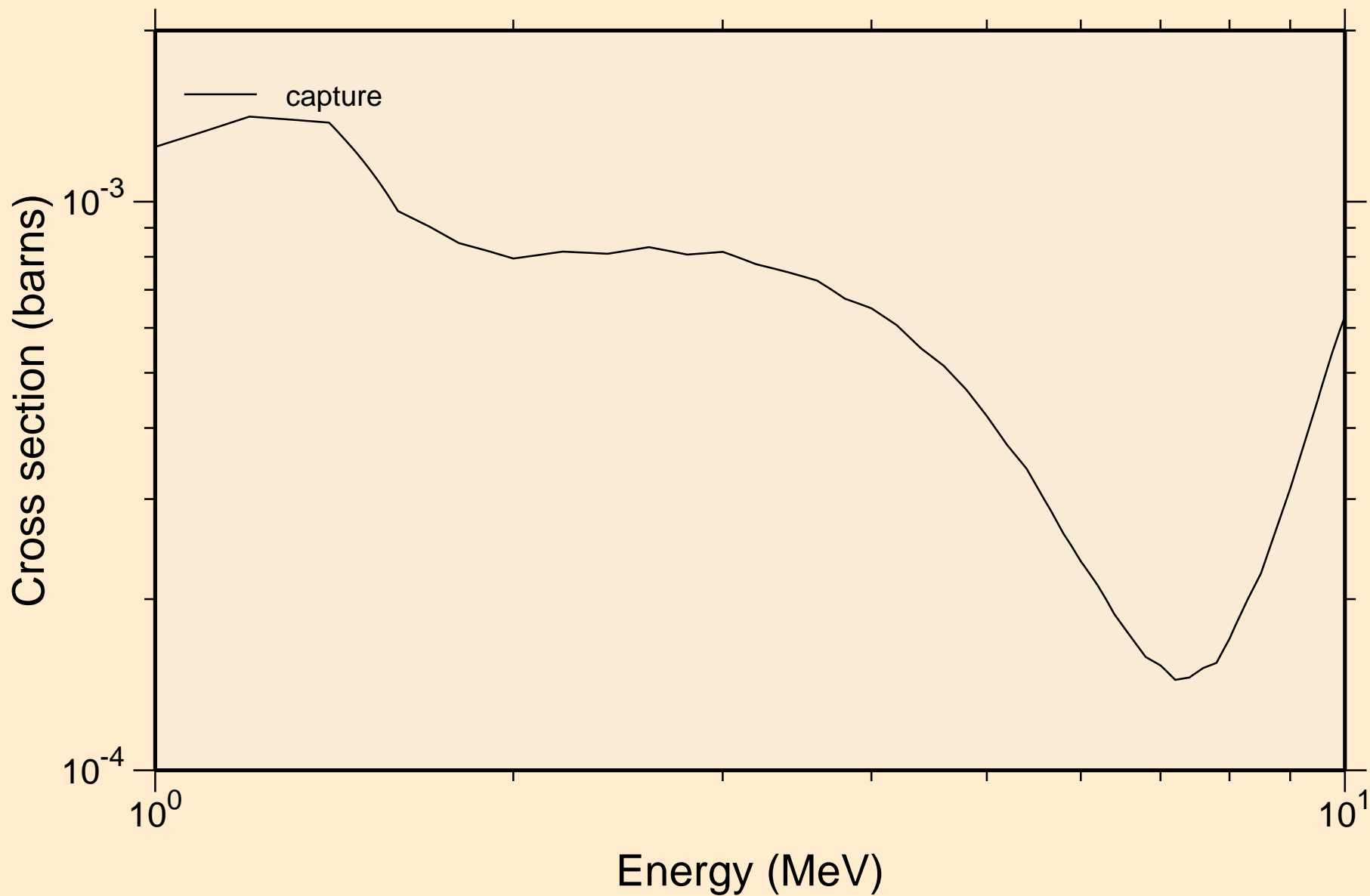


HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections

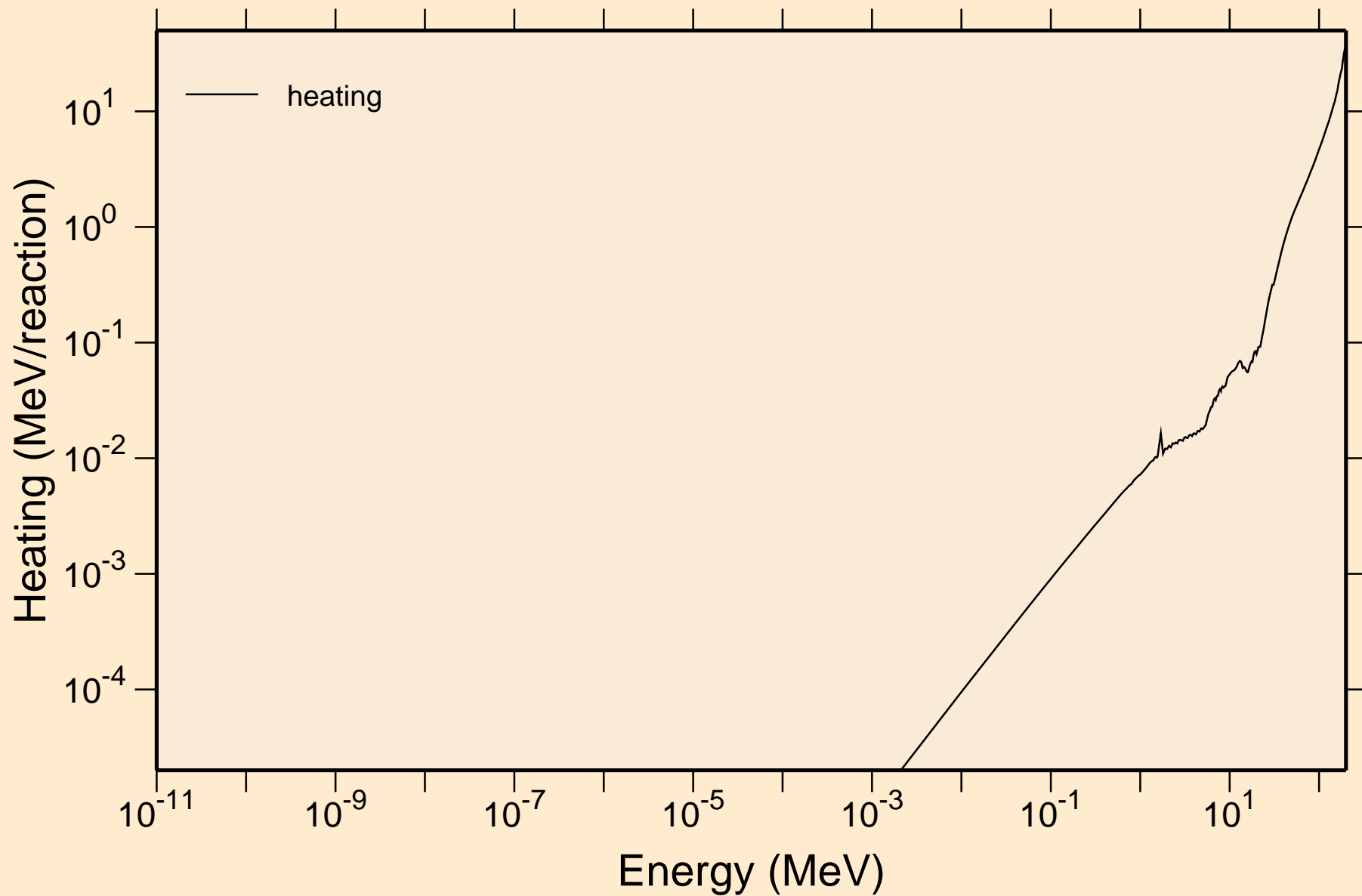




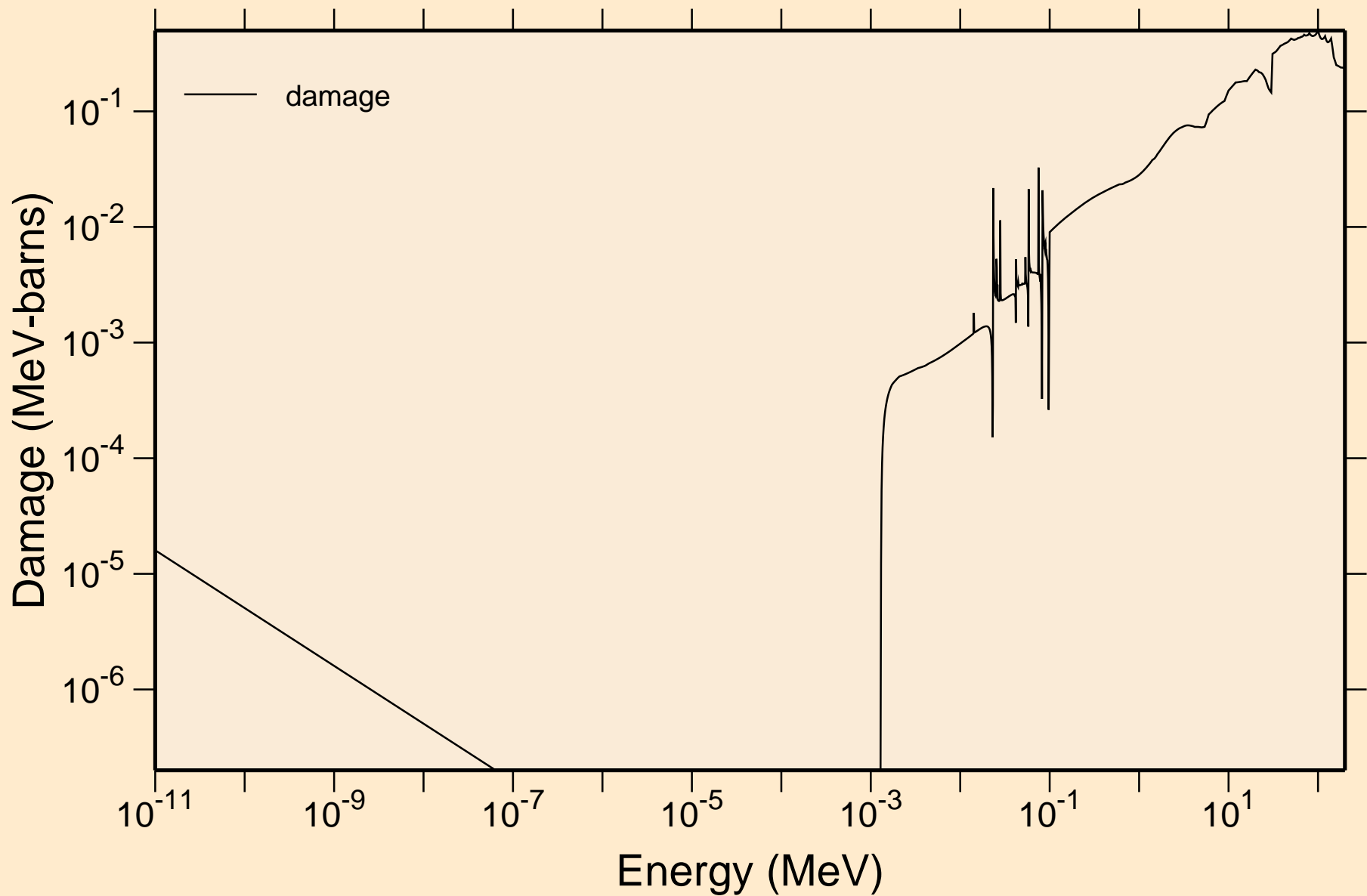
HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



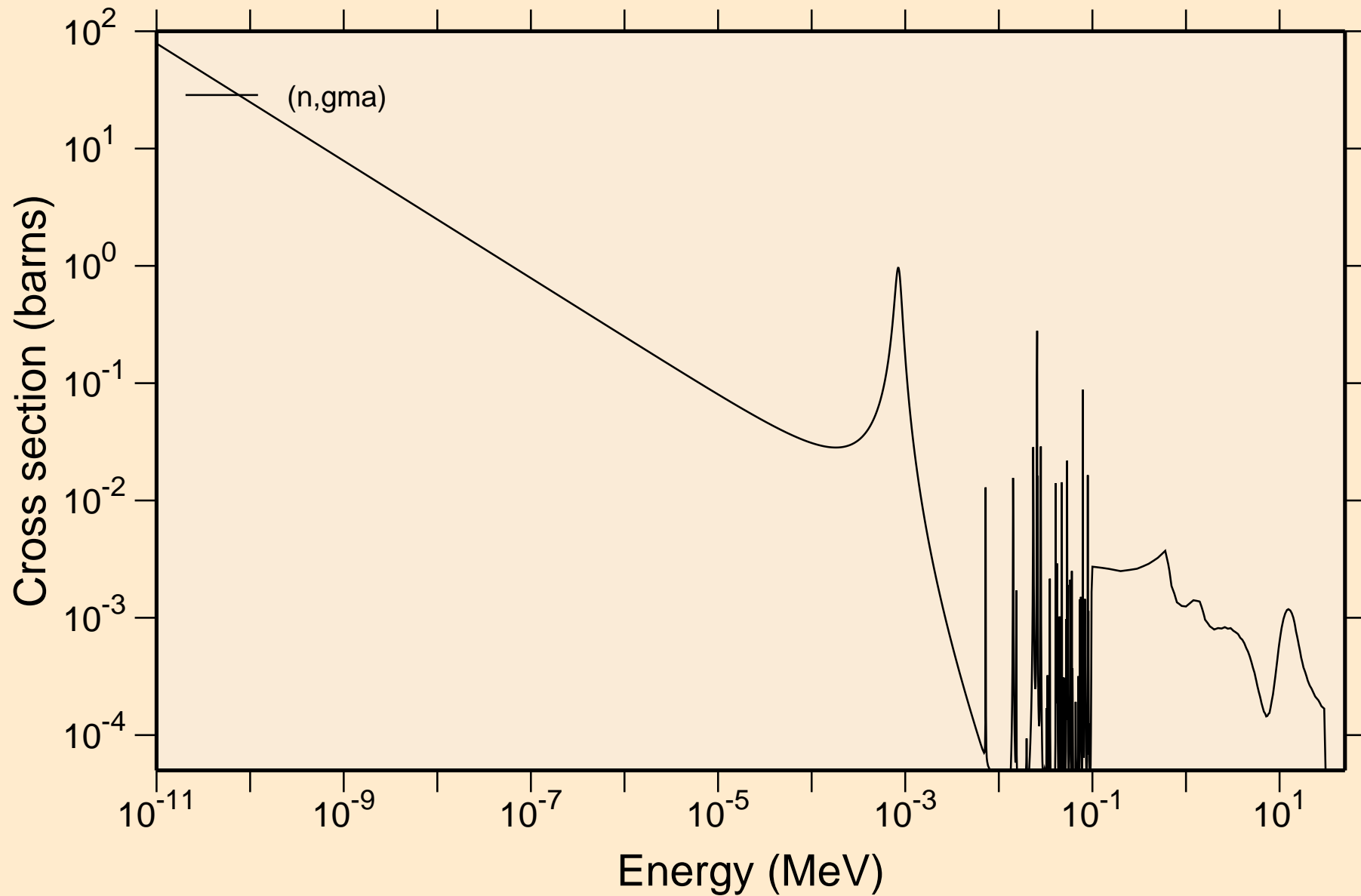
HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating



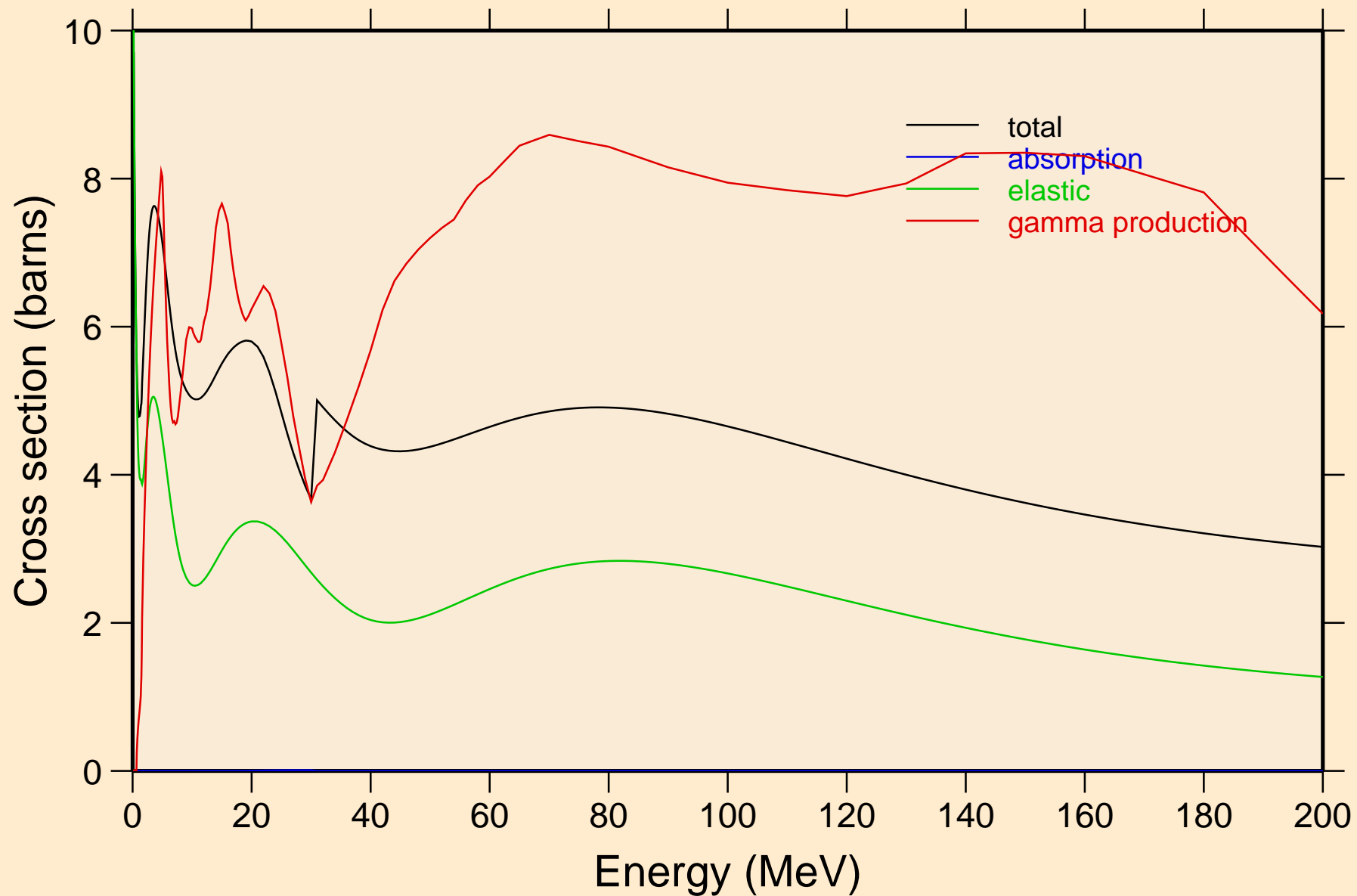
# HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K Damage



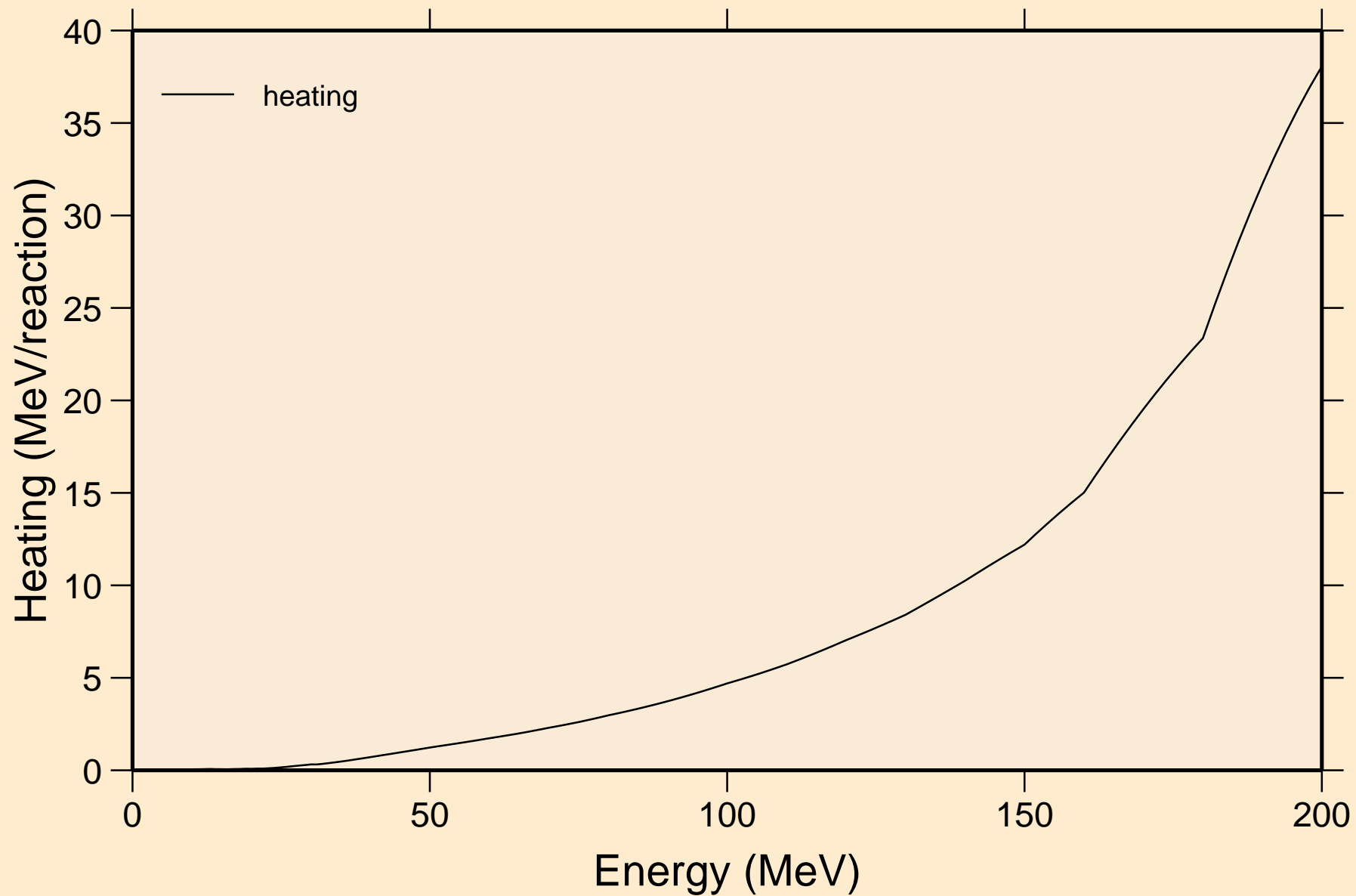
HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions



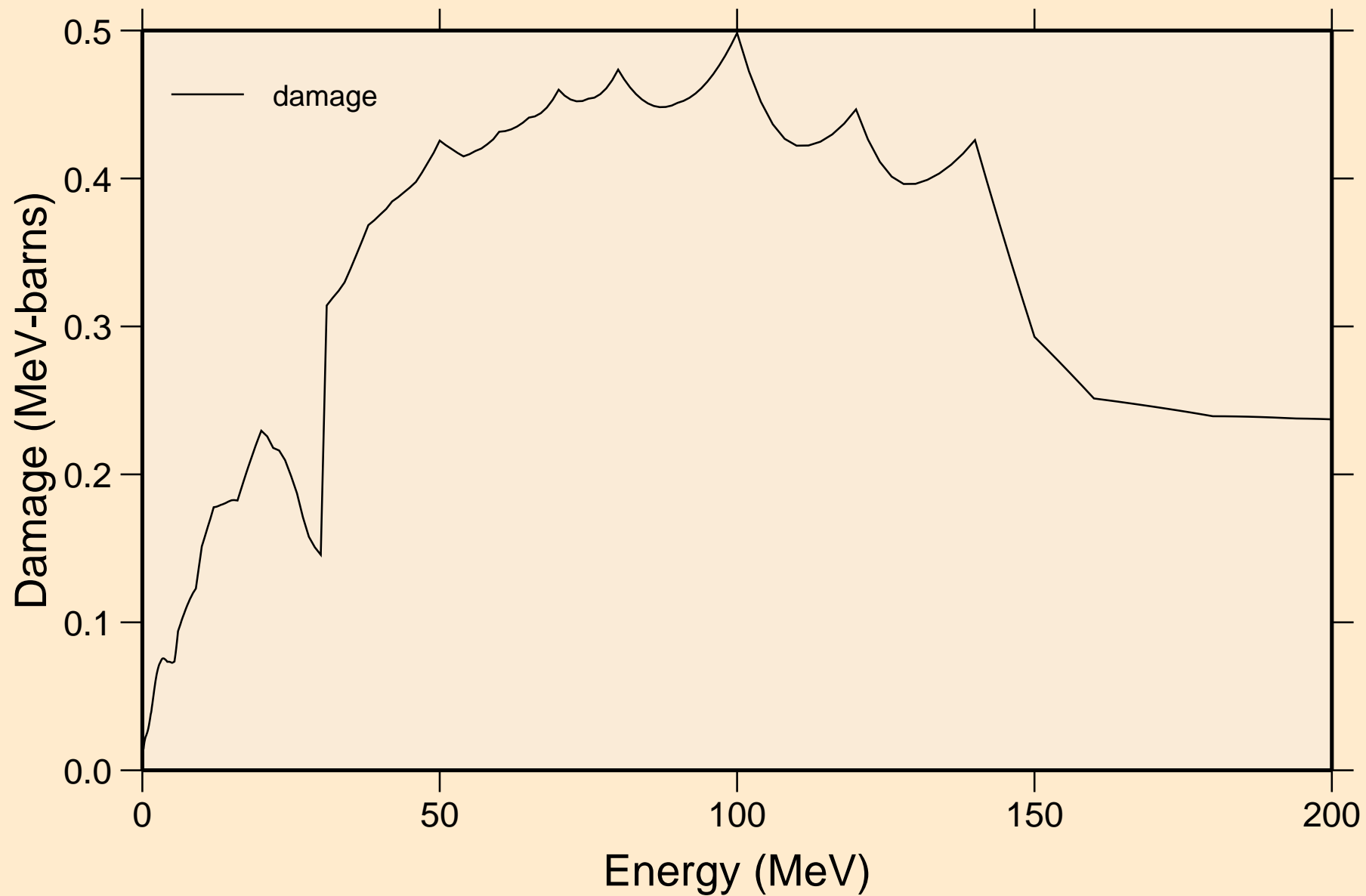
HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Principal cross sections



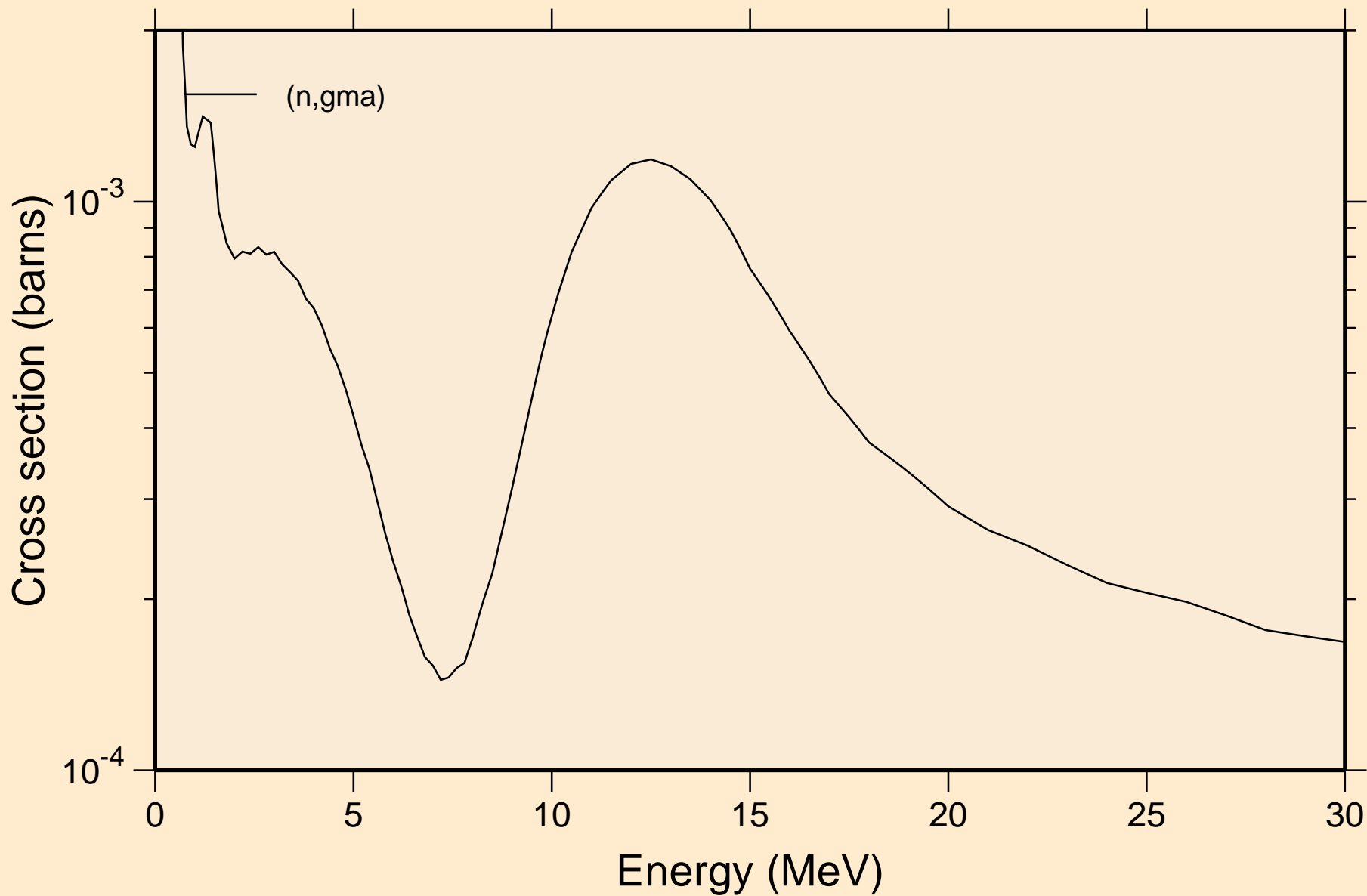
HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating



# HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K Damage

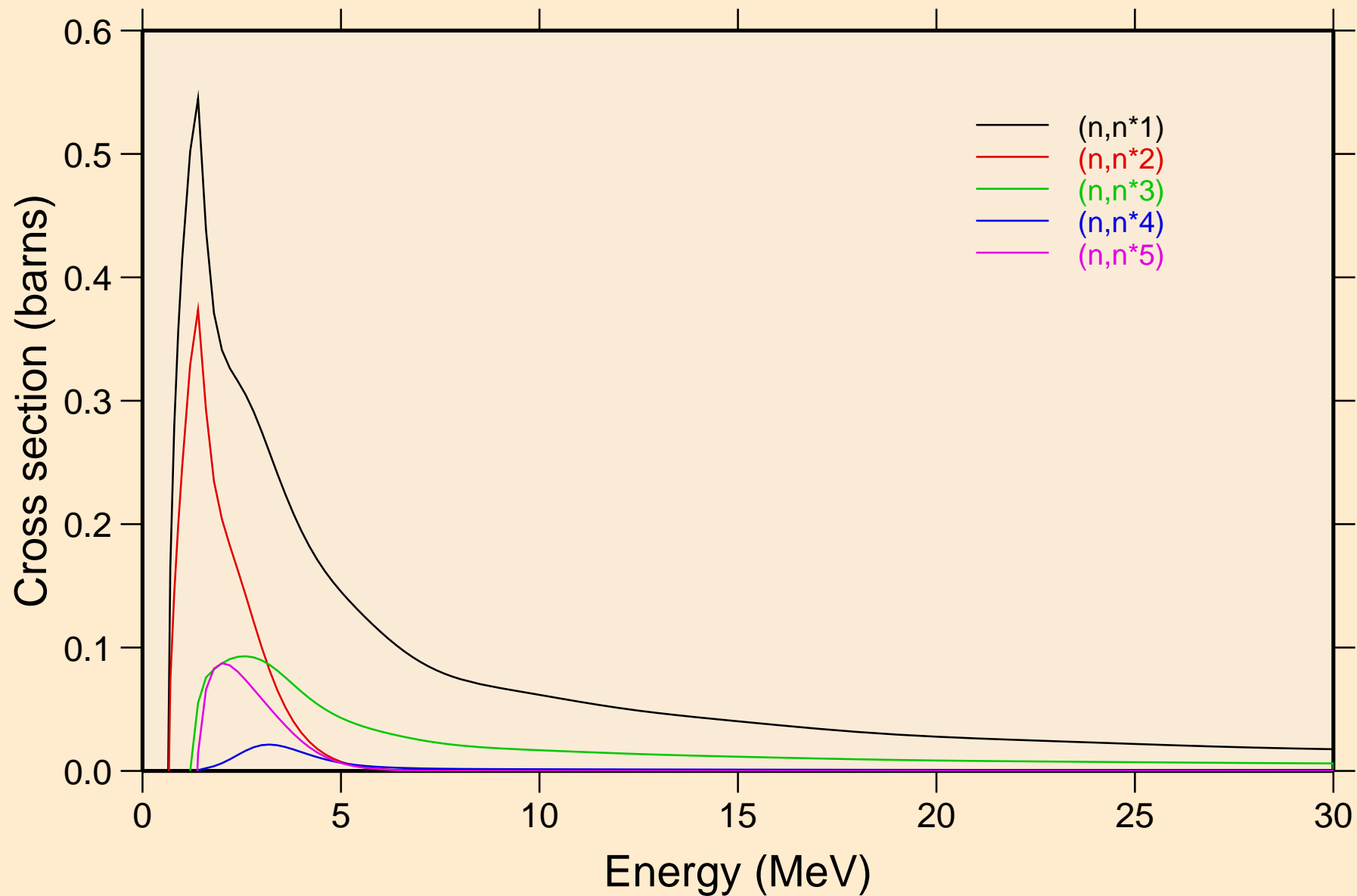


HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions

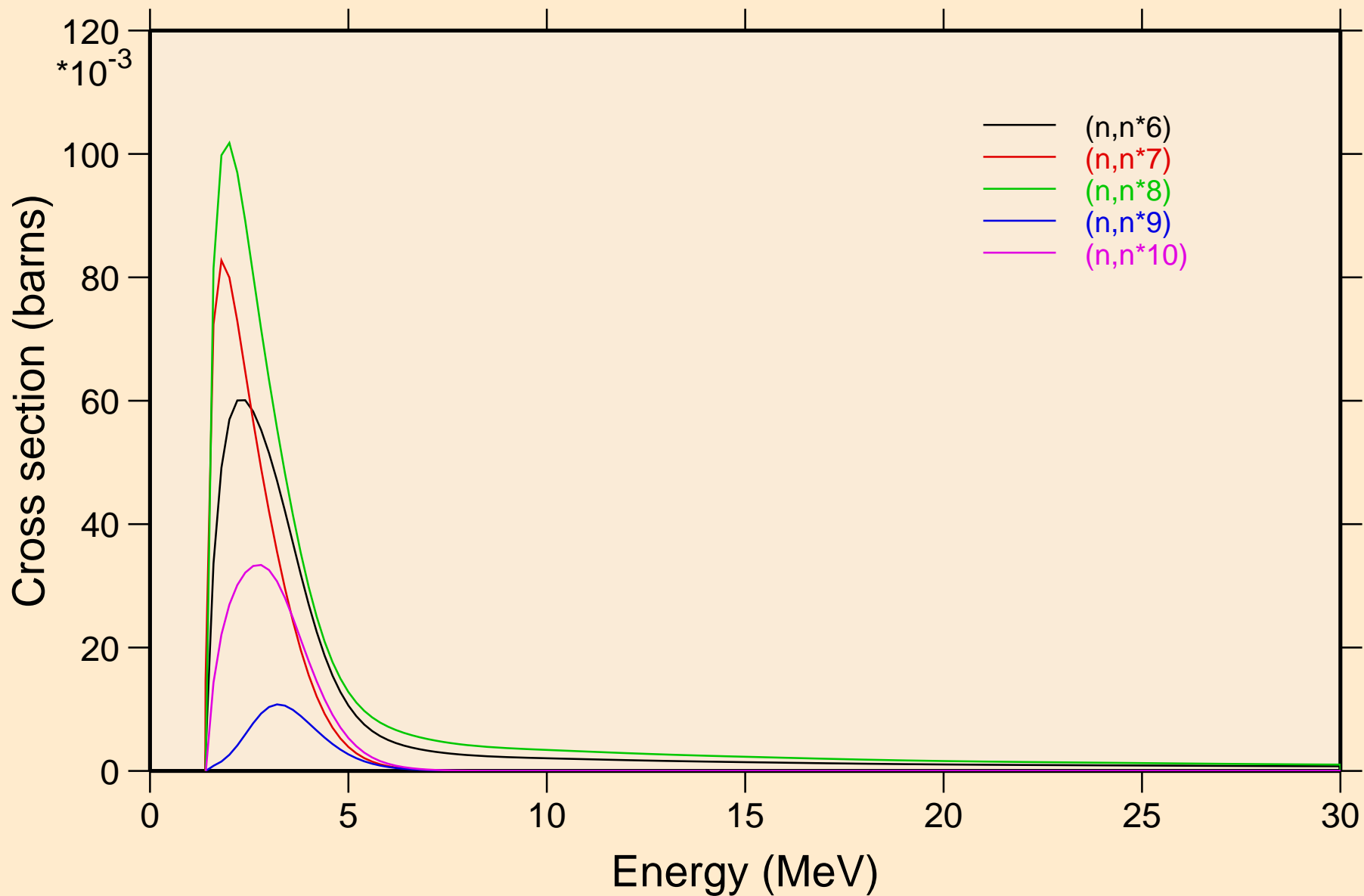




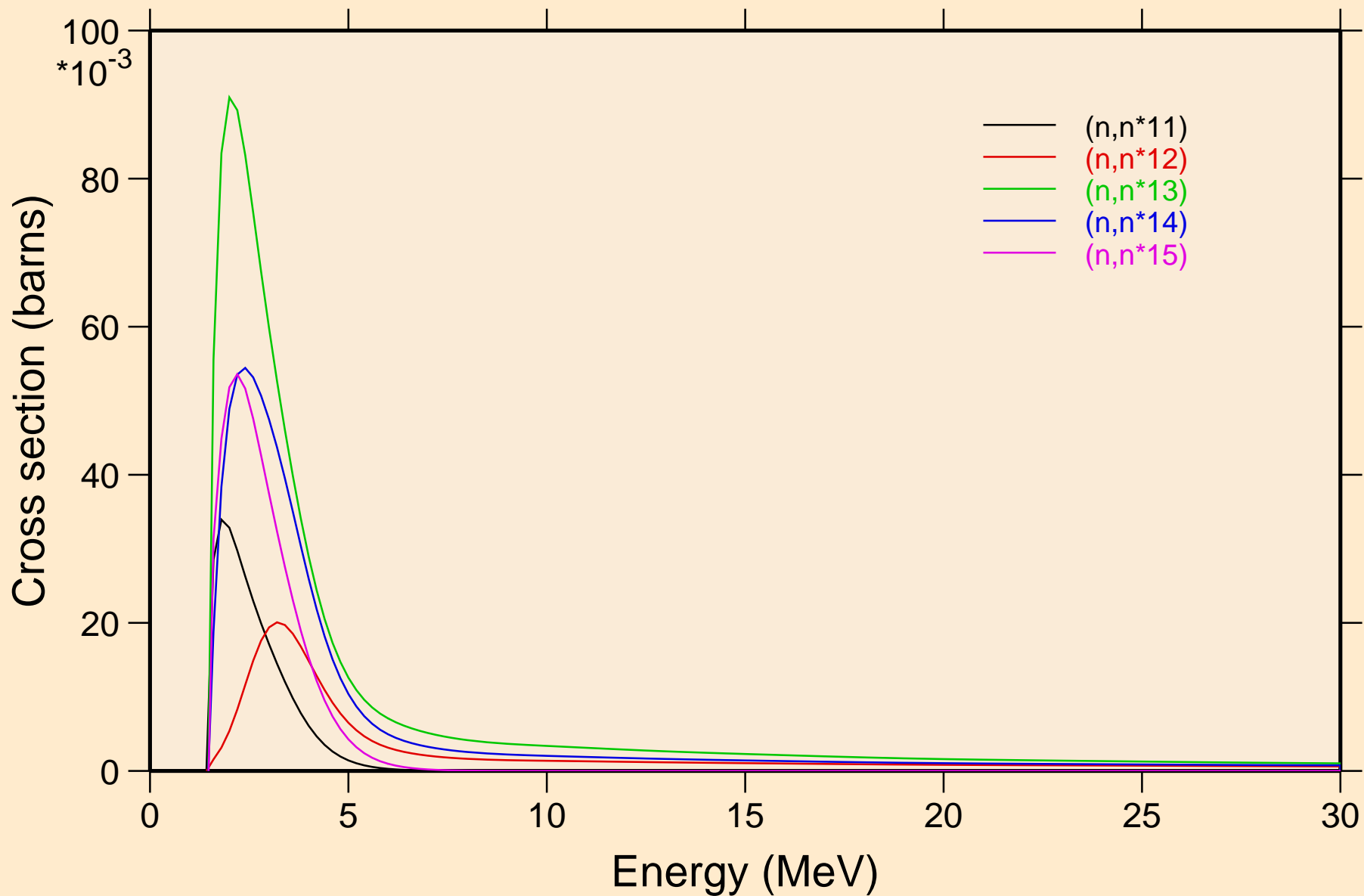
HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



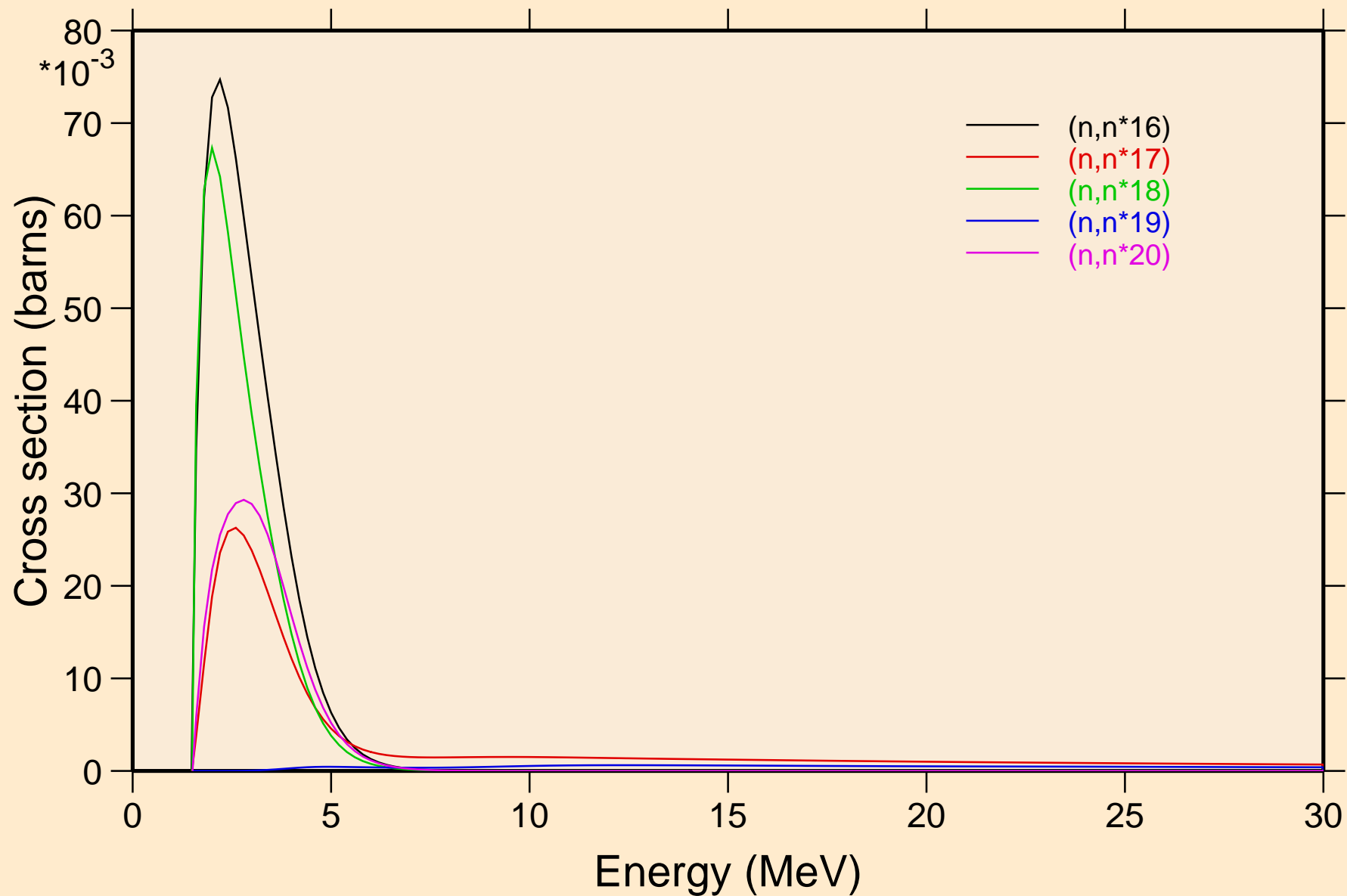
HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



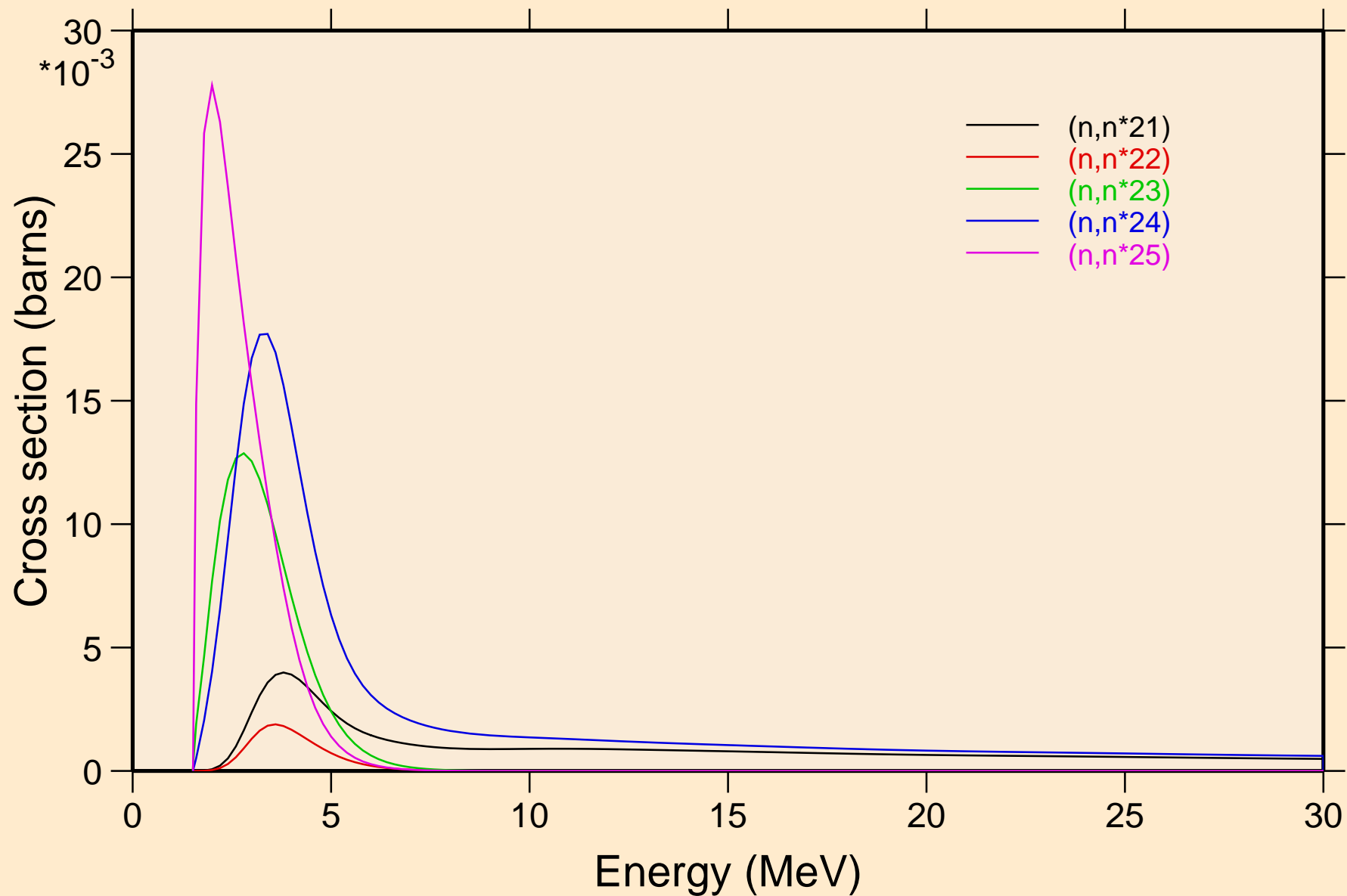
HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



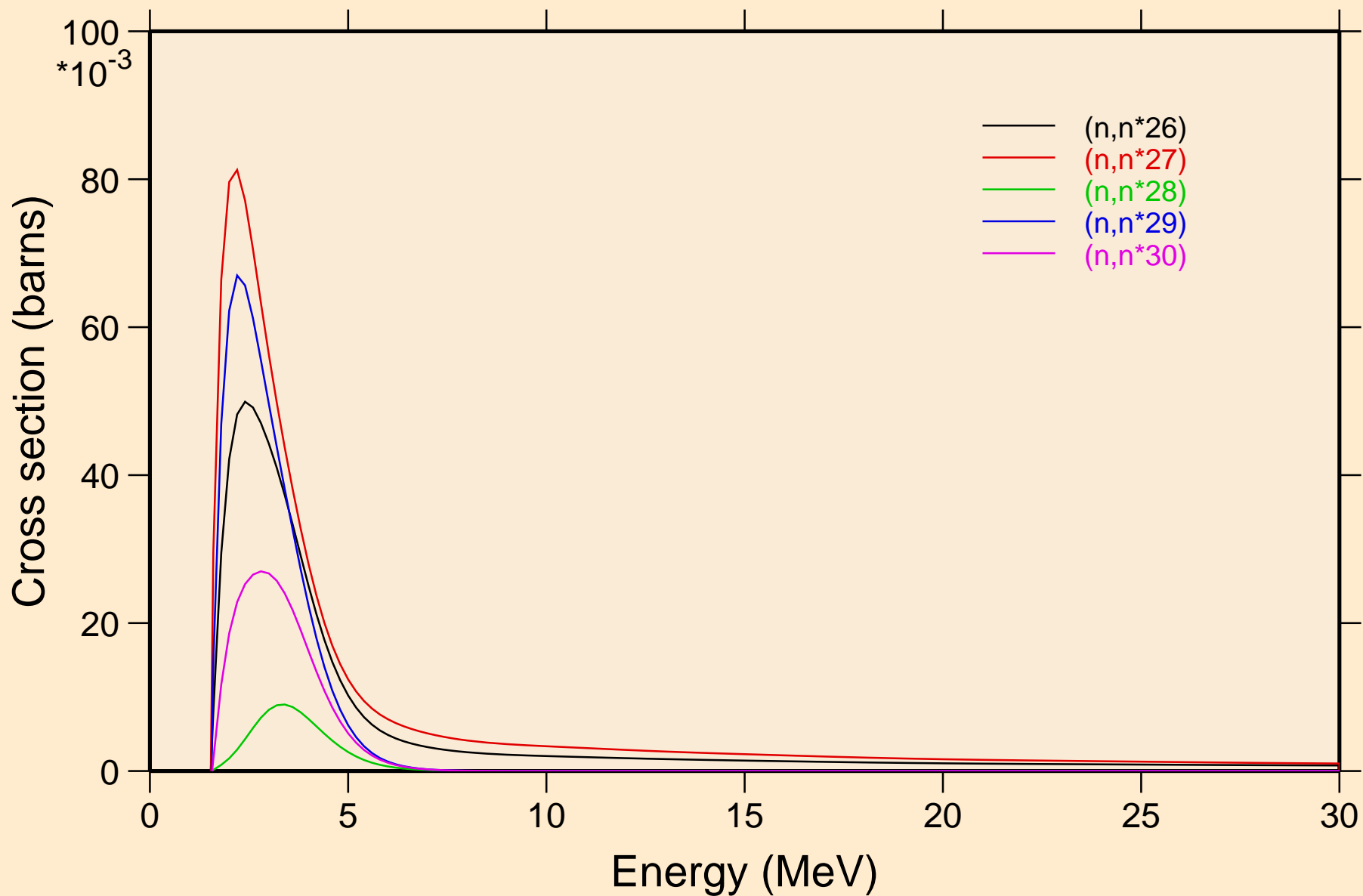
HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels

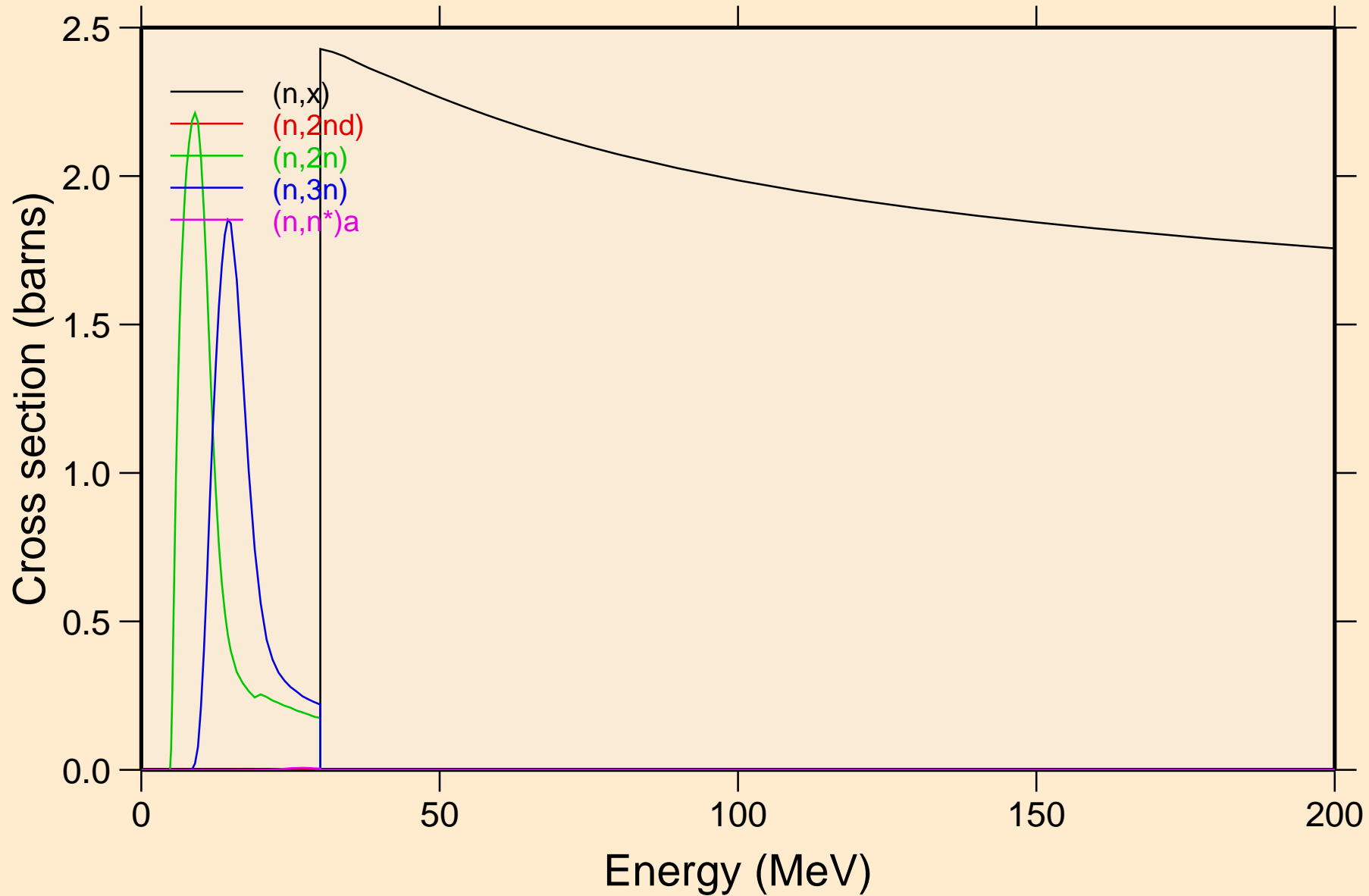


HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



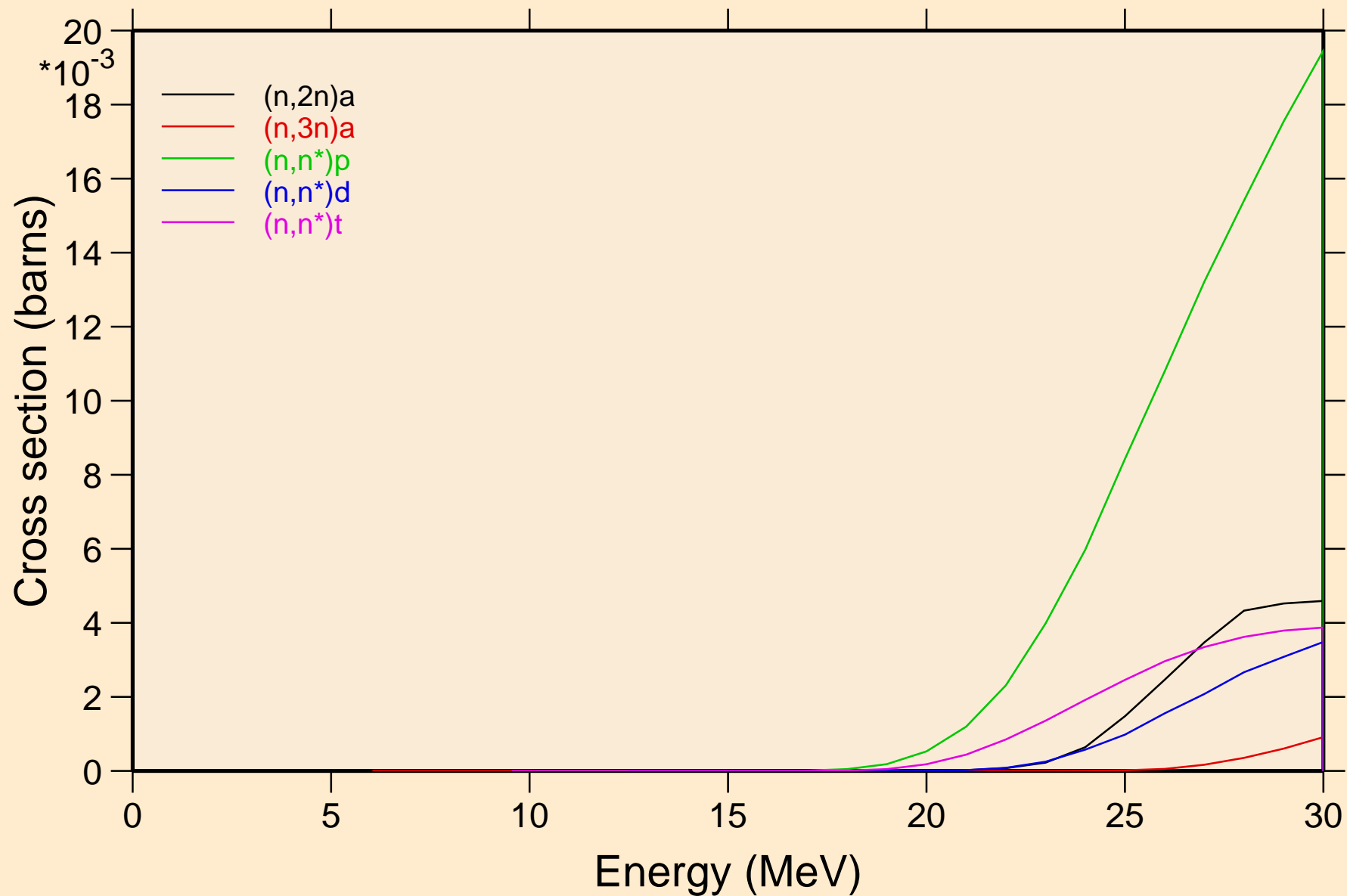
# HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Threshold reactions



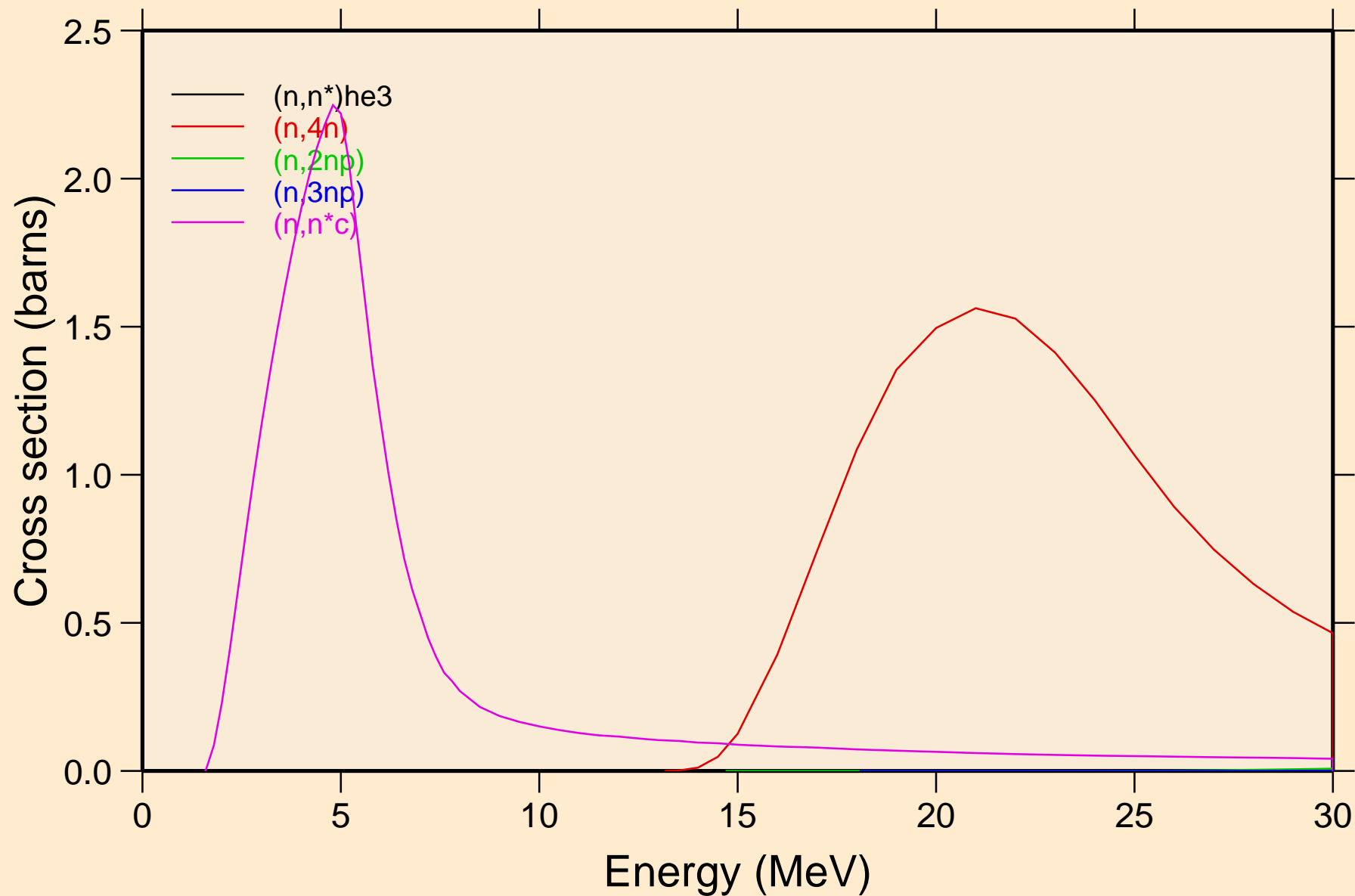
# HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Threshold reactions

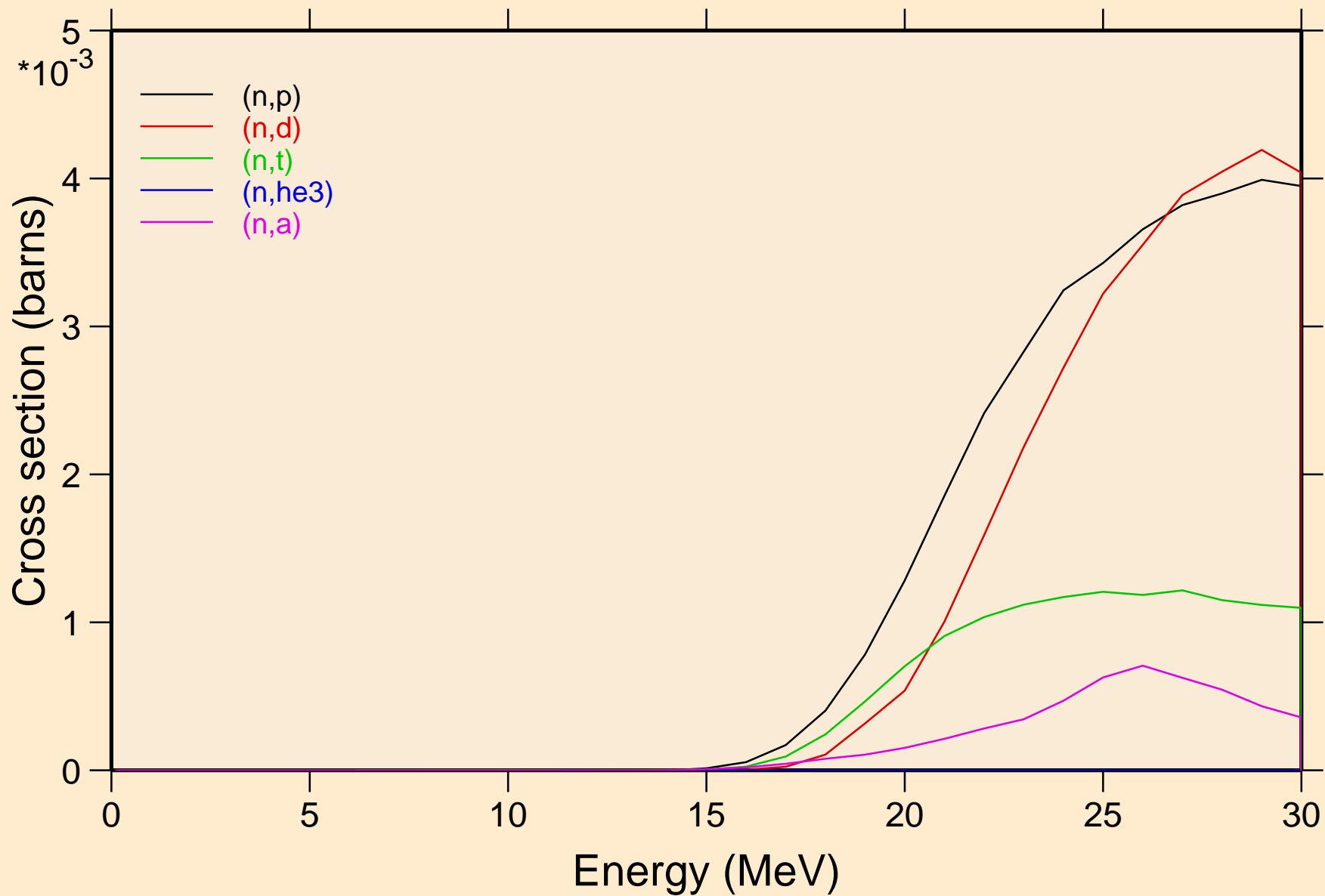




HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

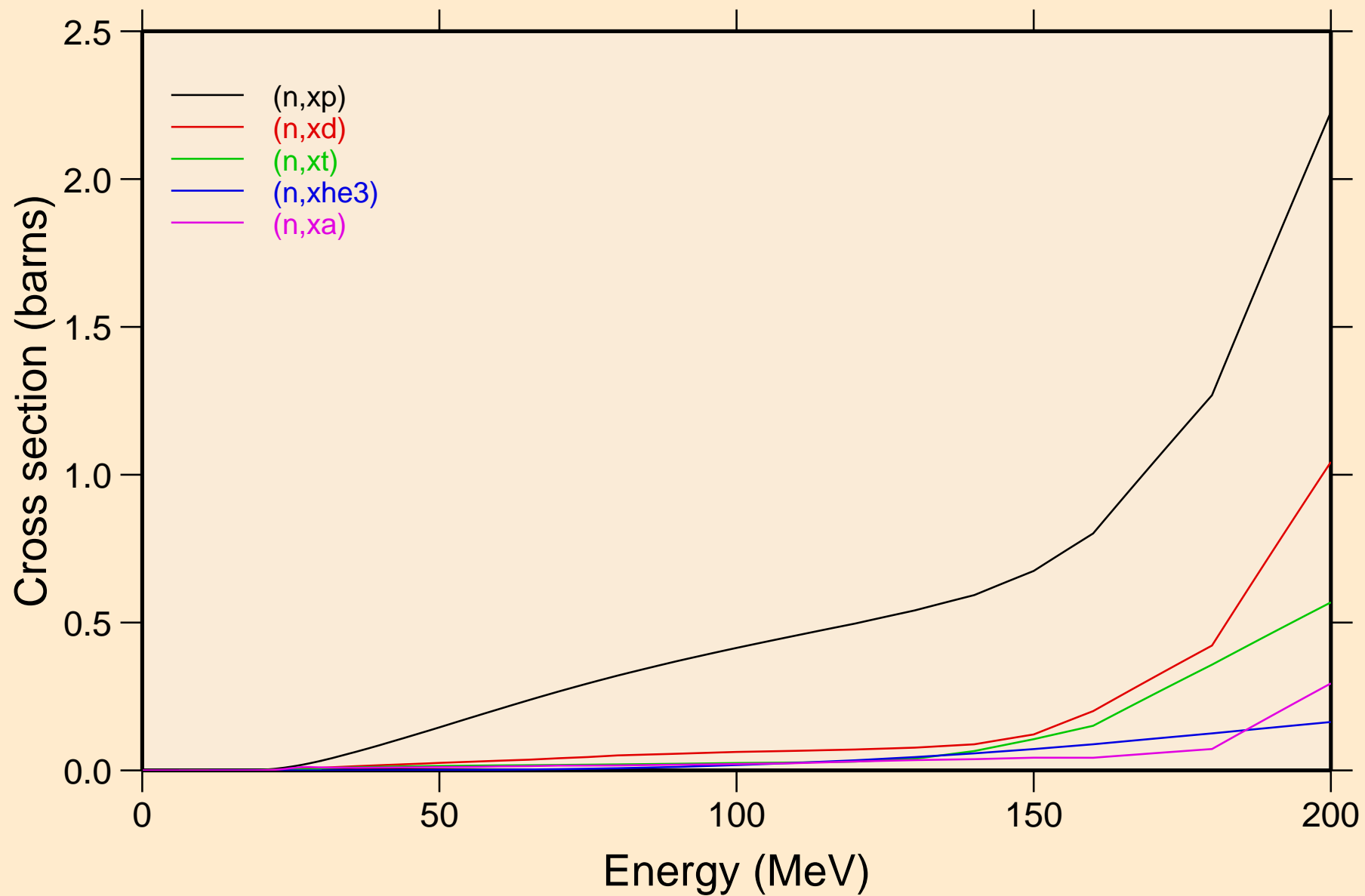


HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

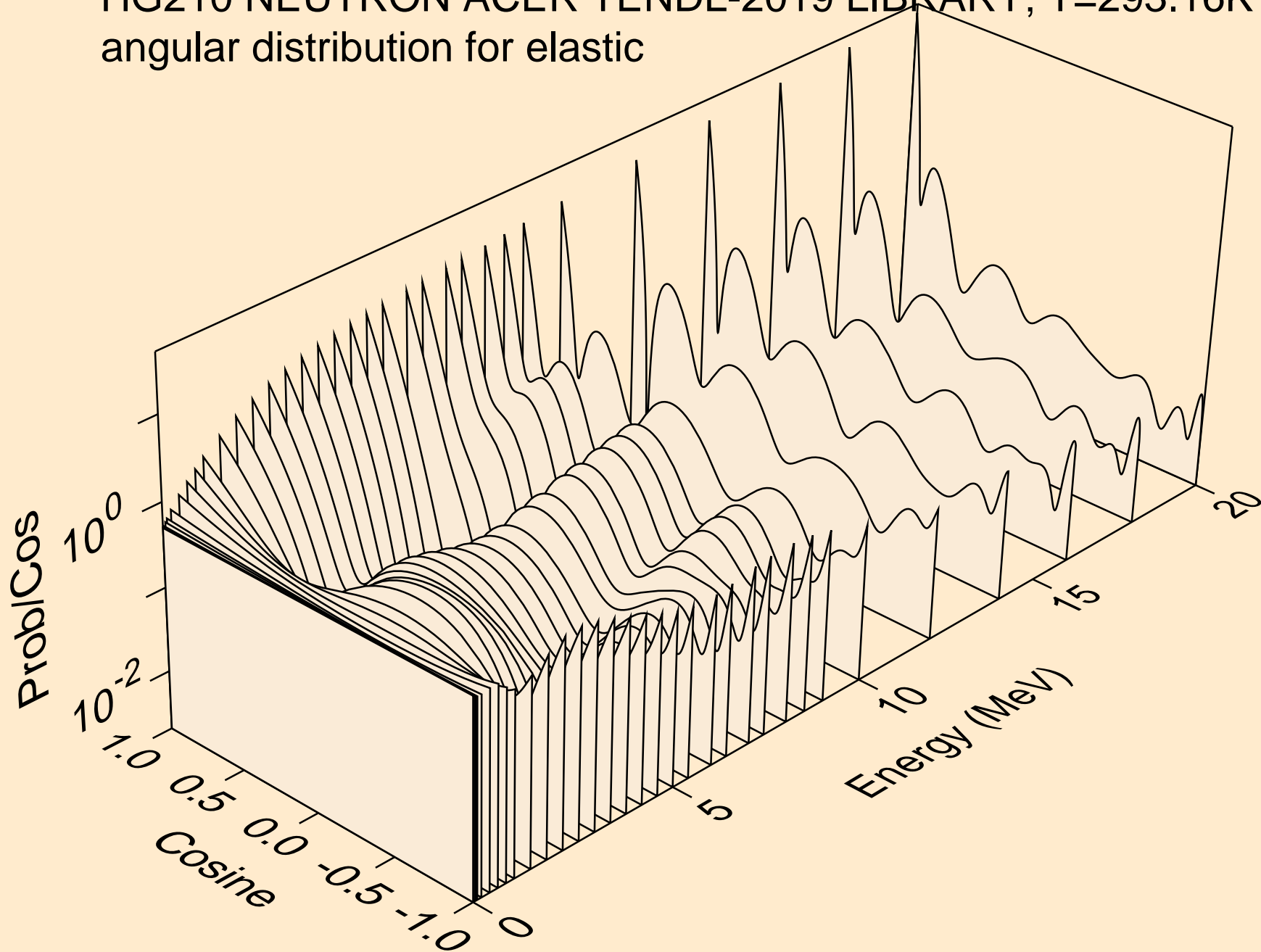


# HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

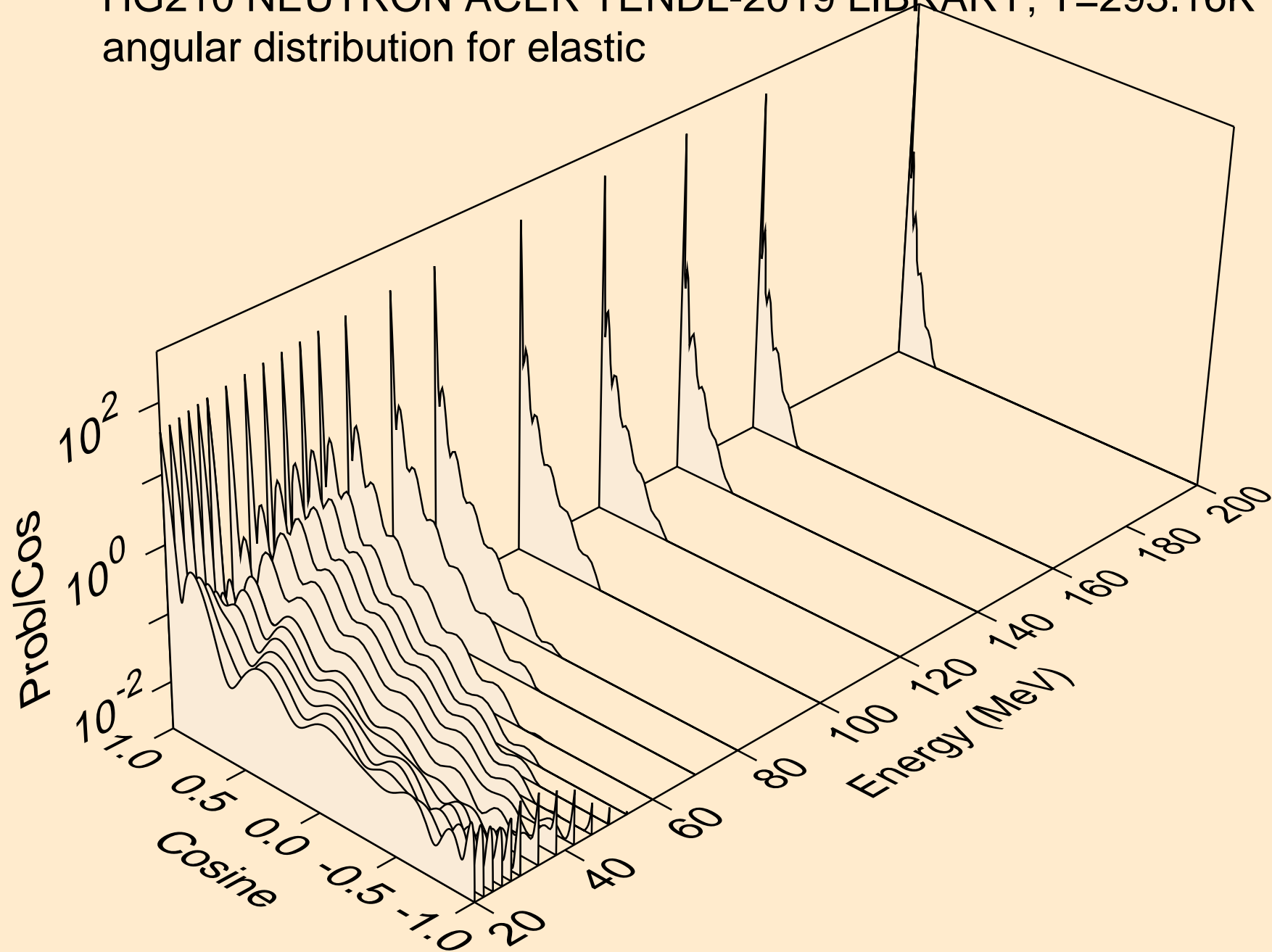
## Threshold reactions



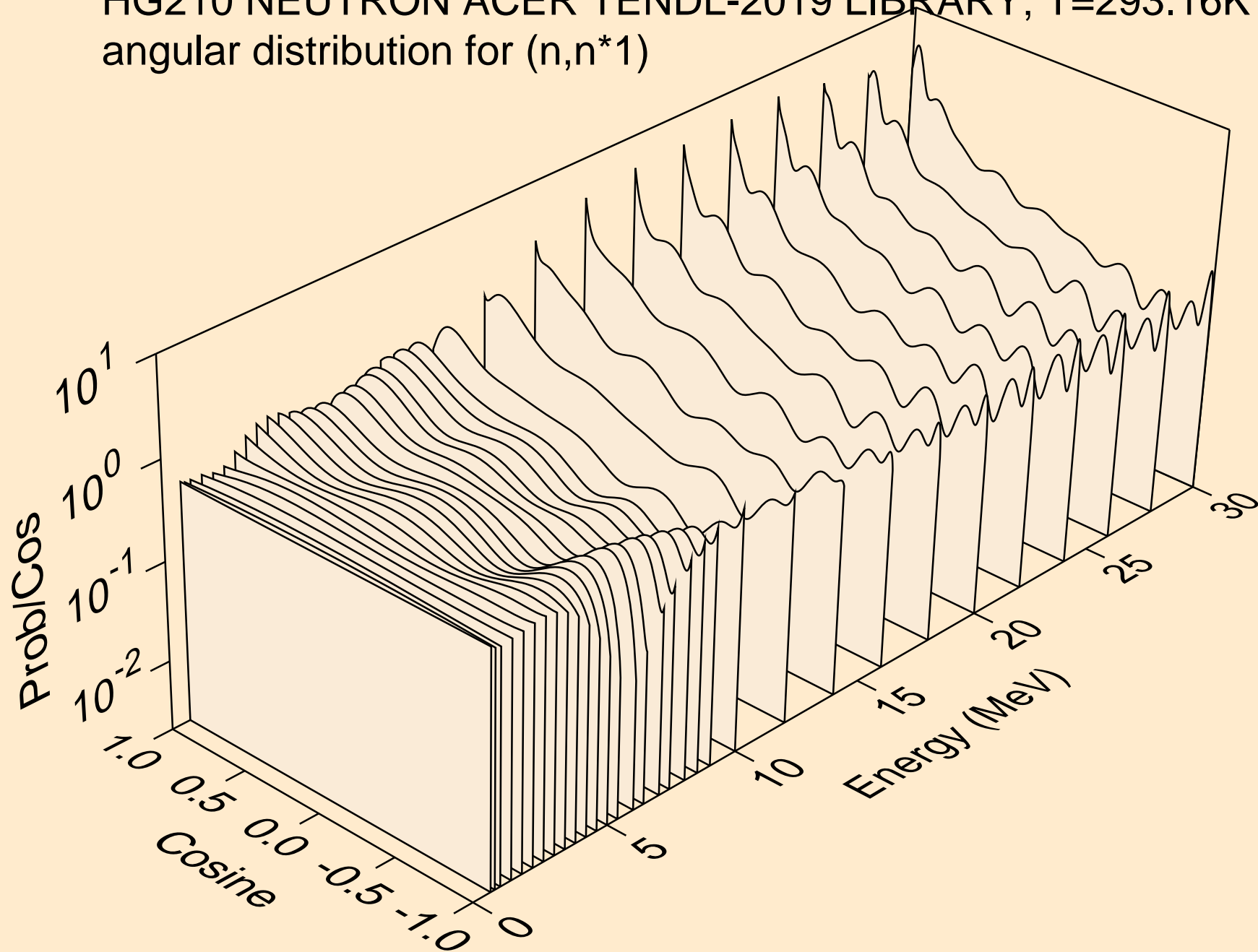
HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic



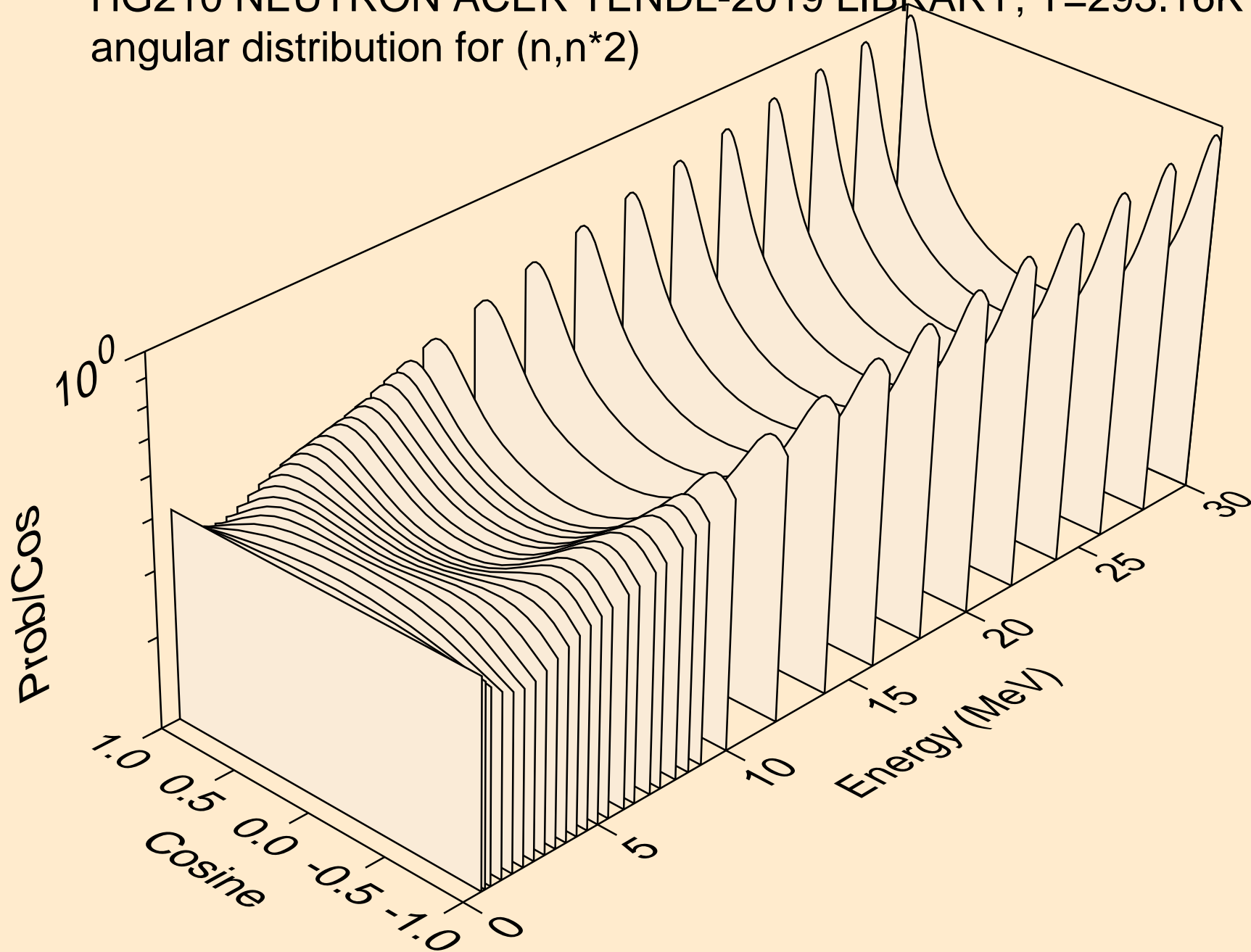
HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic



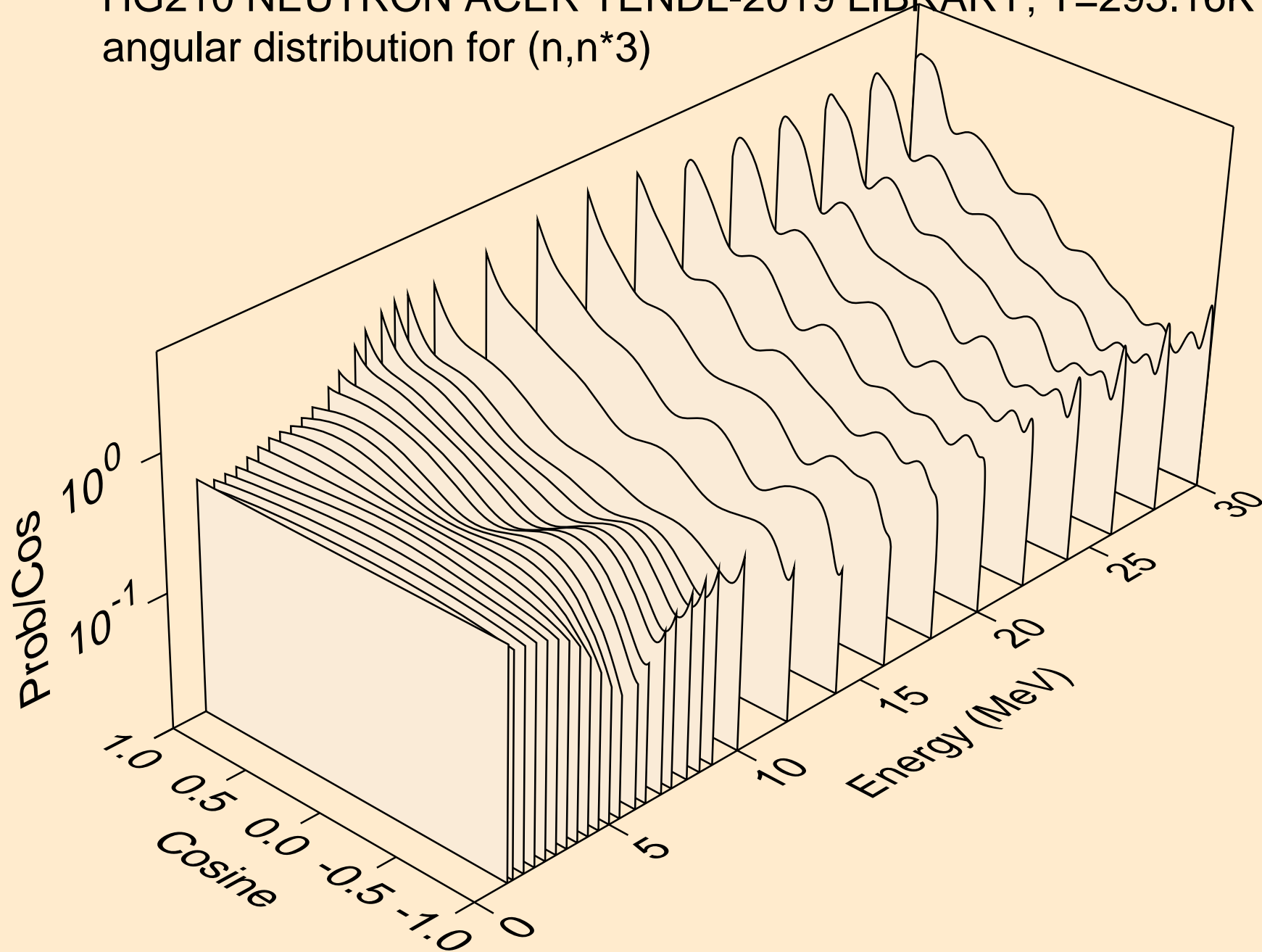
HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*1)



HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*2)

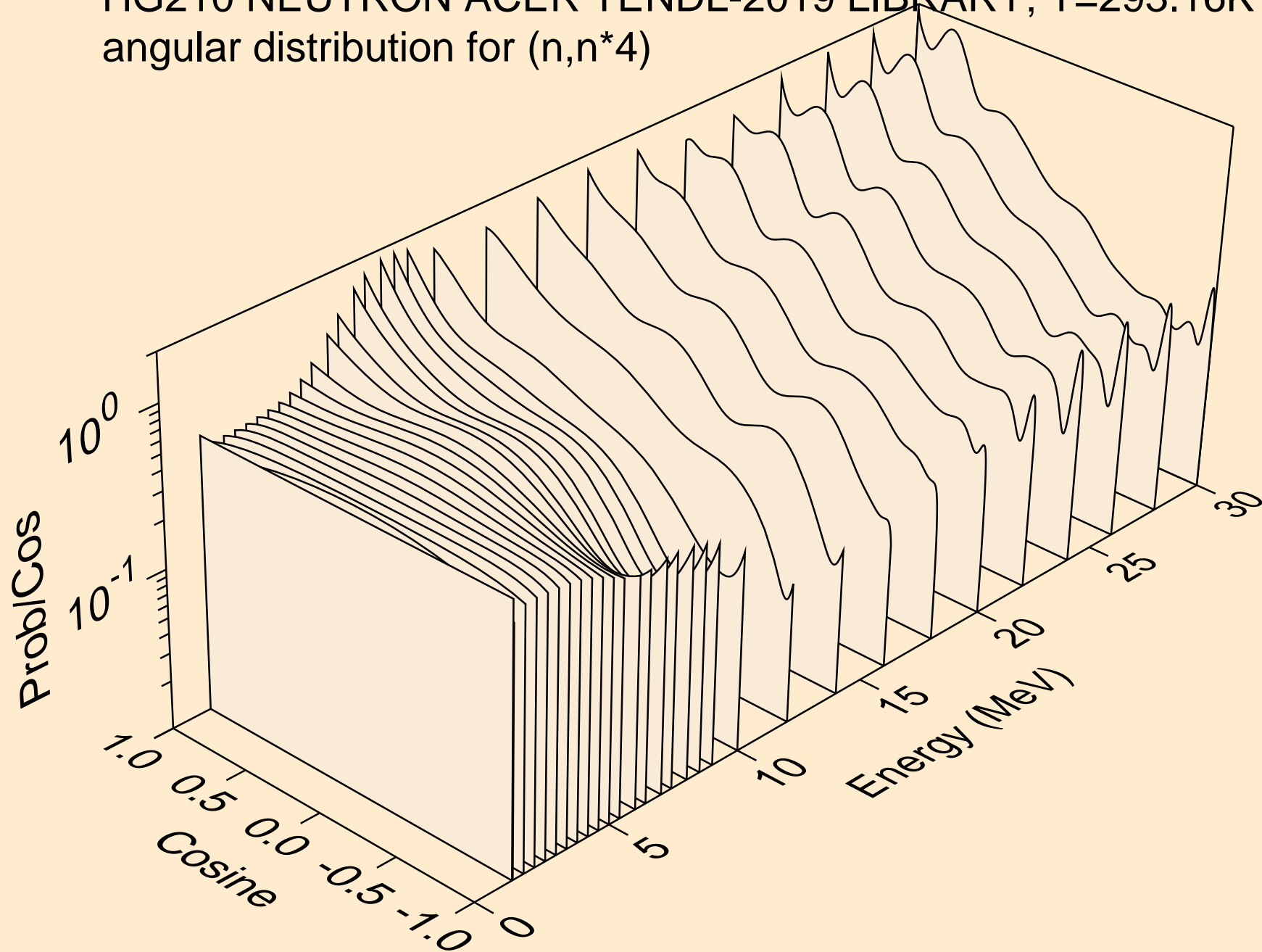


HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*3)

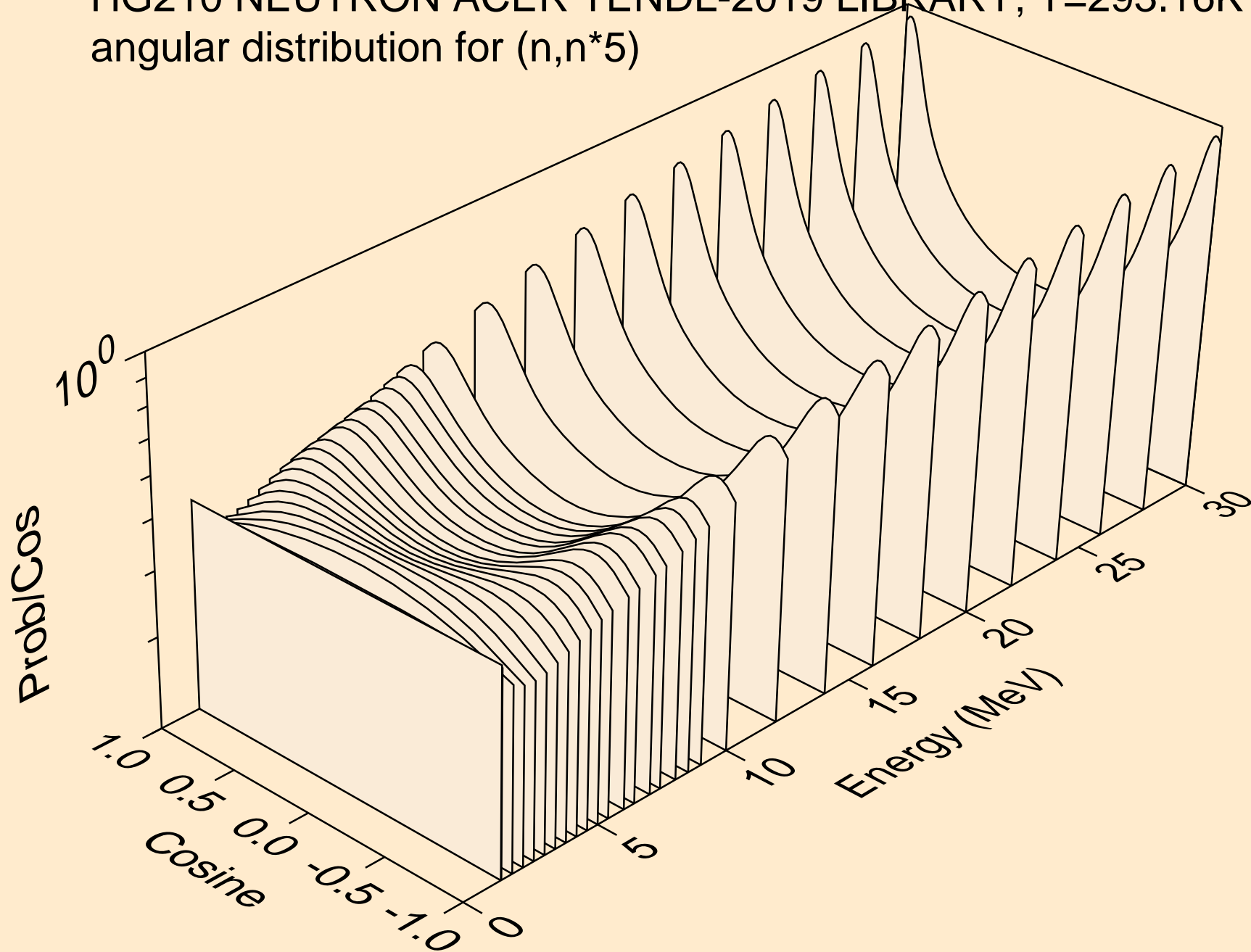




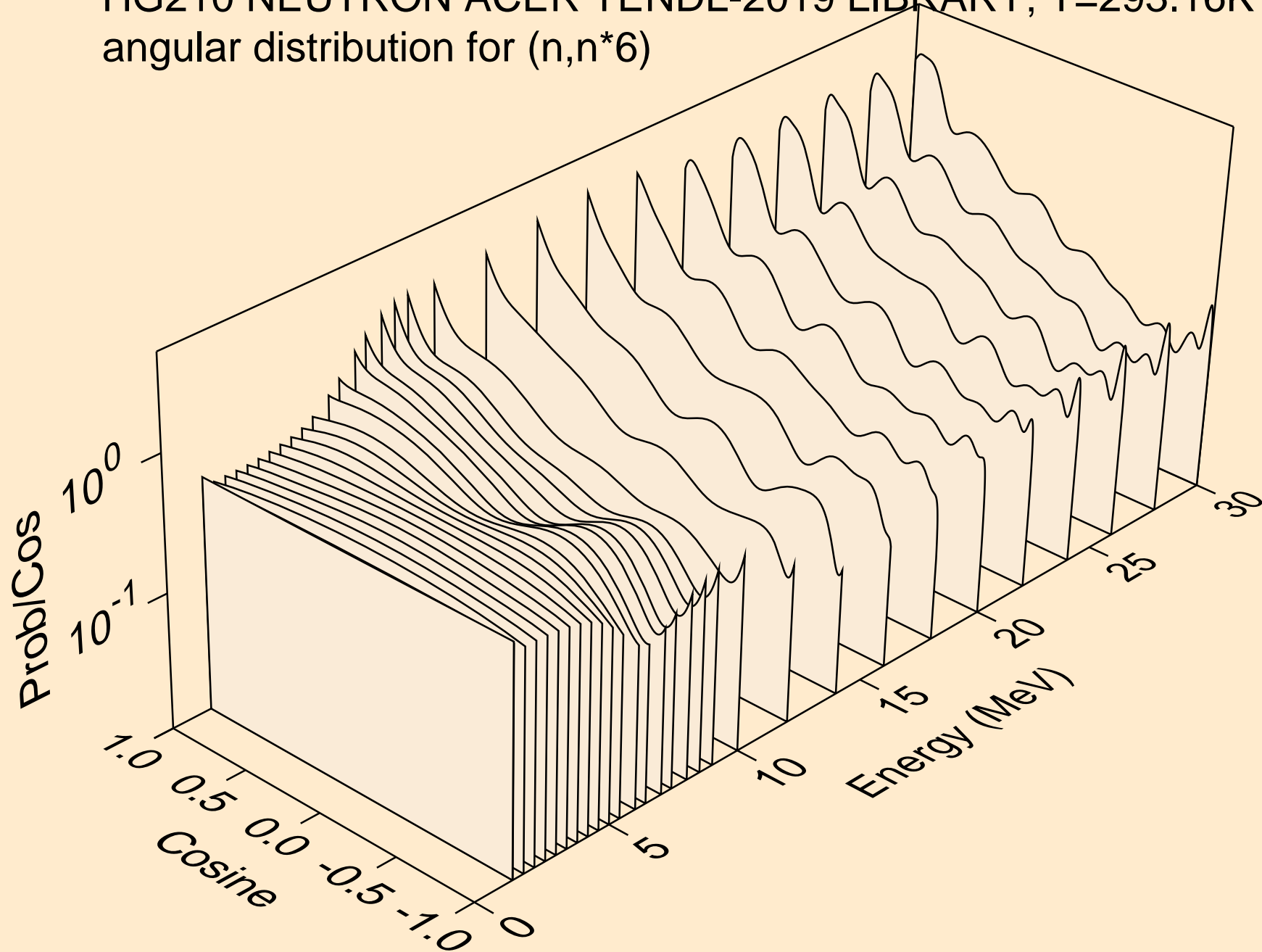
HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*4)



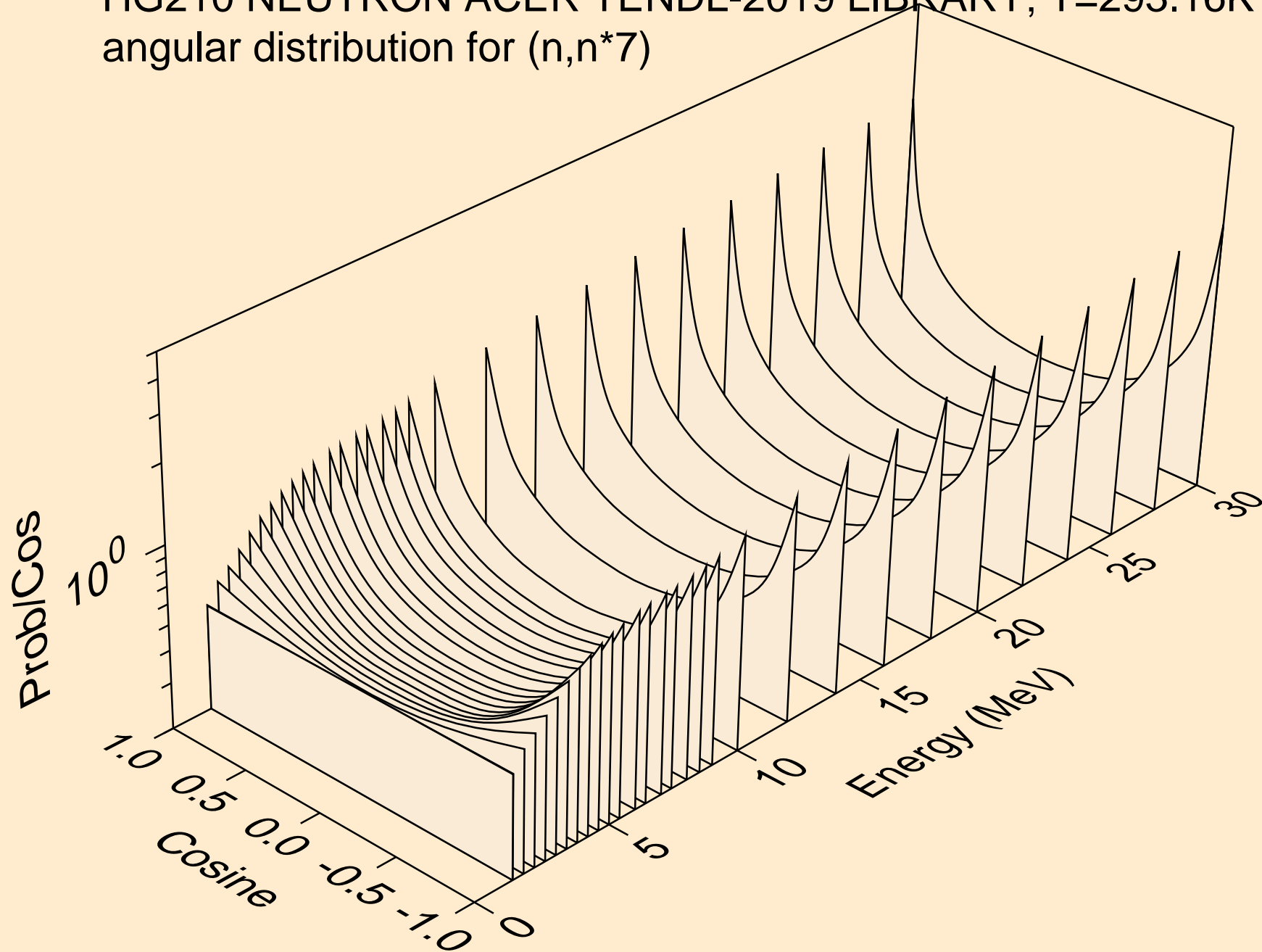
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angular distribution for (n,n\*5)



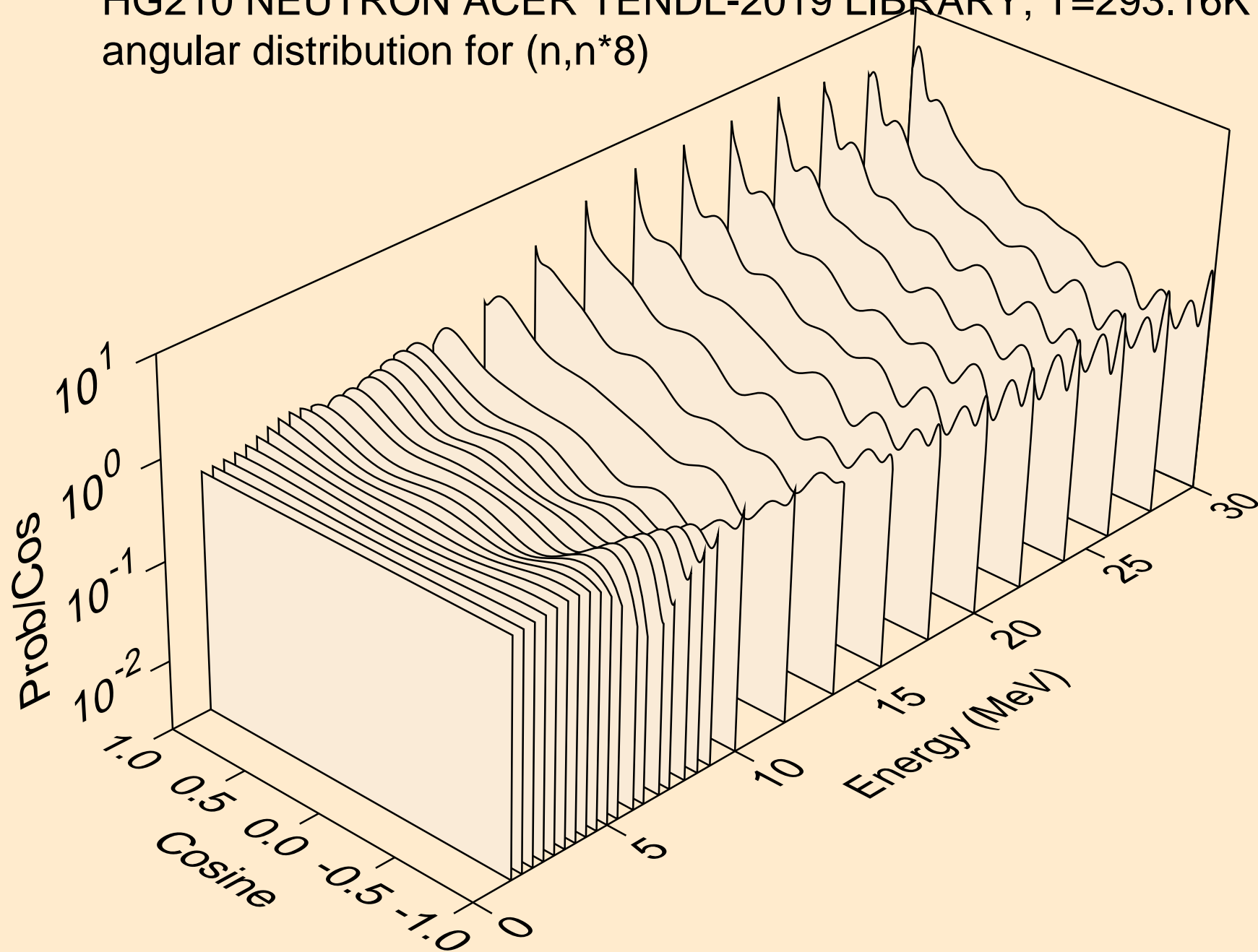
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angular distribution for (n,n\*6)



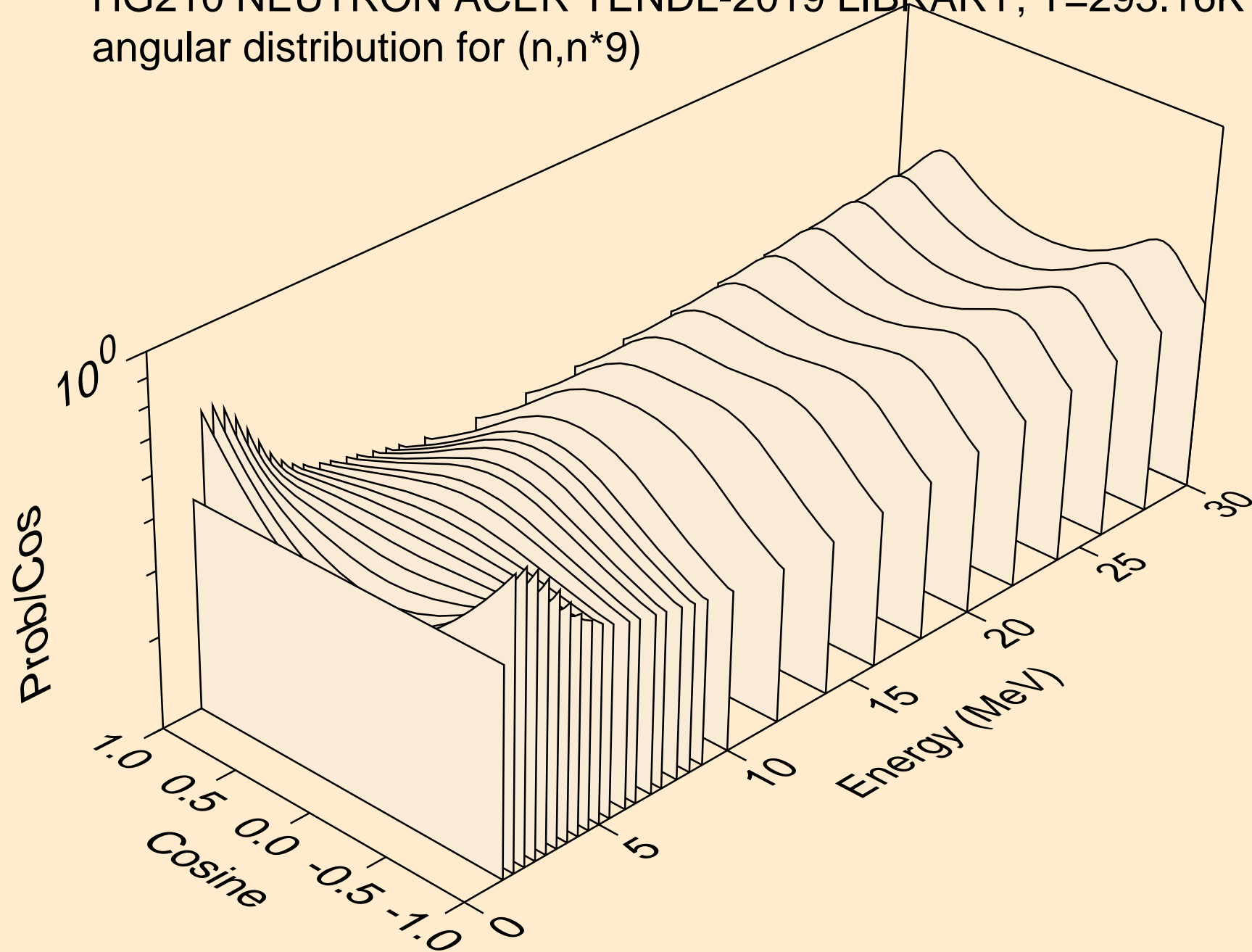
HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*7)



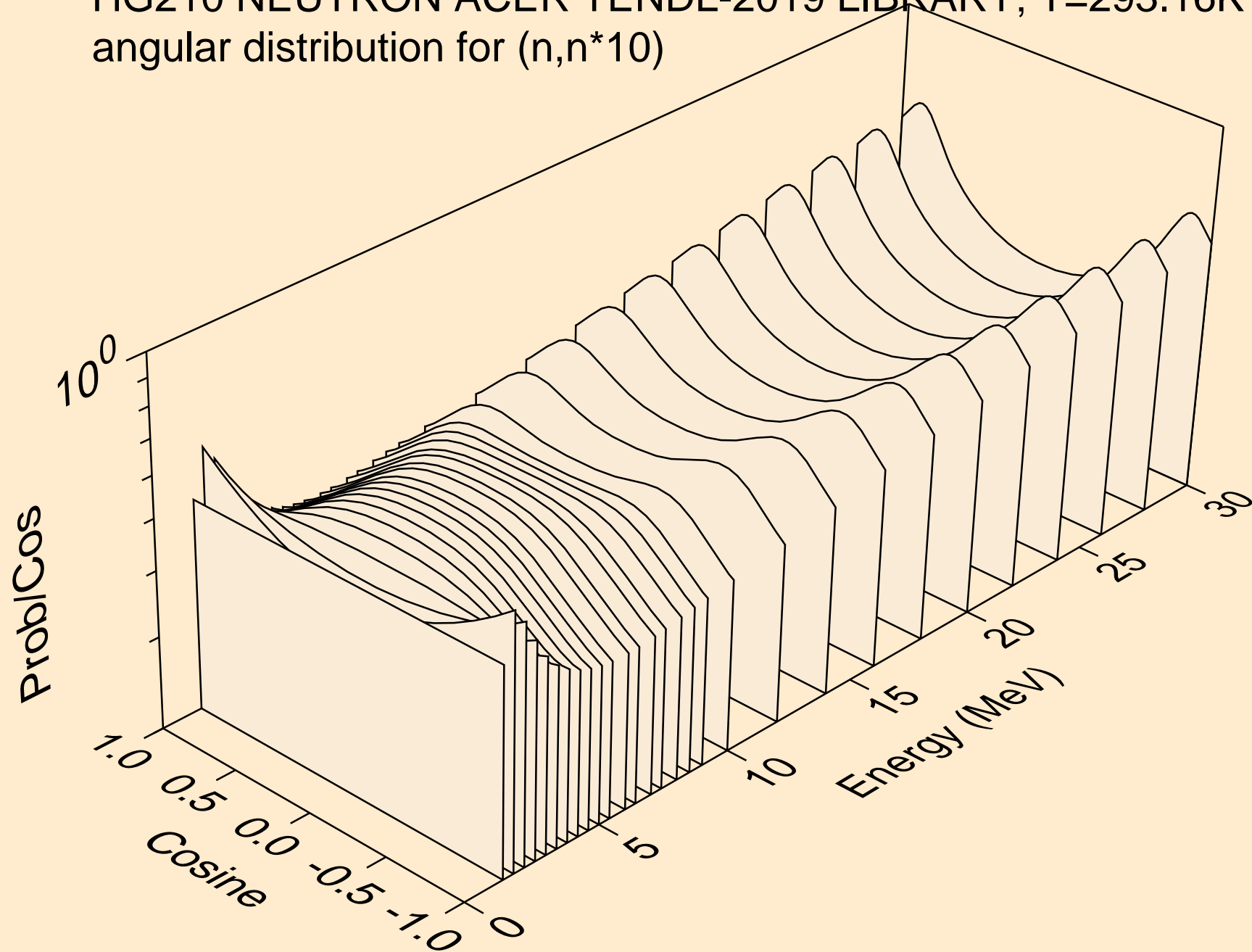
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angular distribution for (n,n\*8)



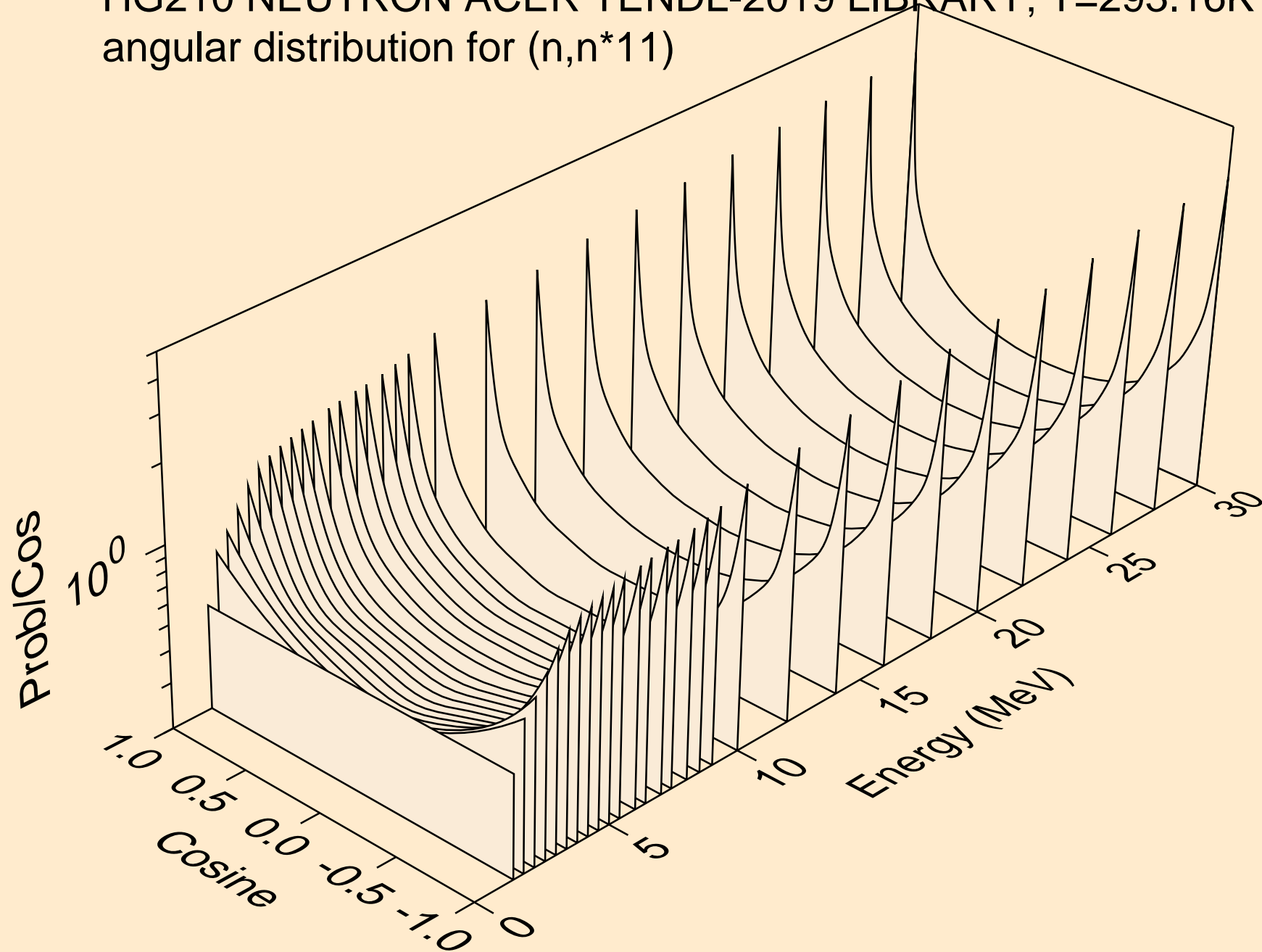
HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*9)



HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*10)

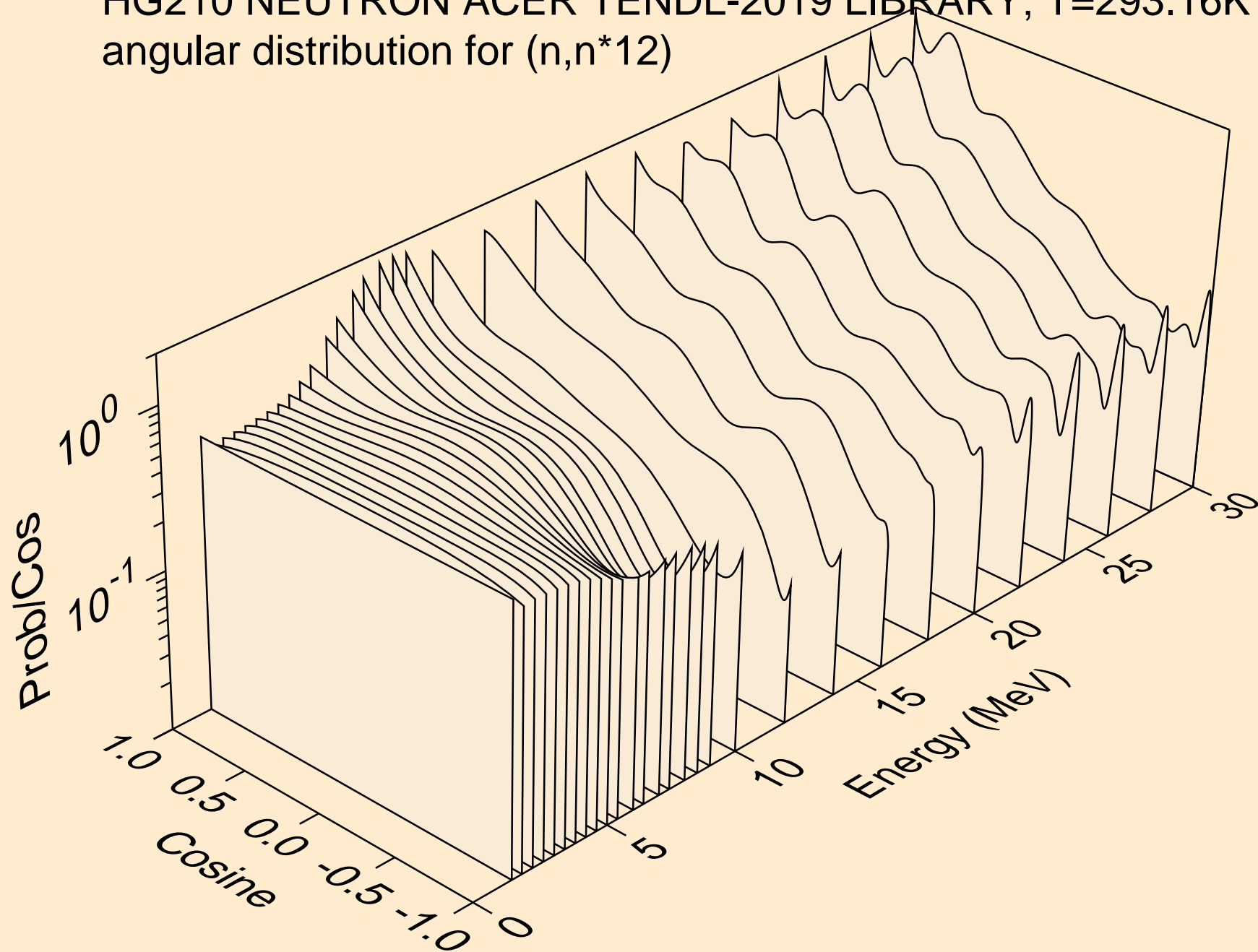


HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*11)

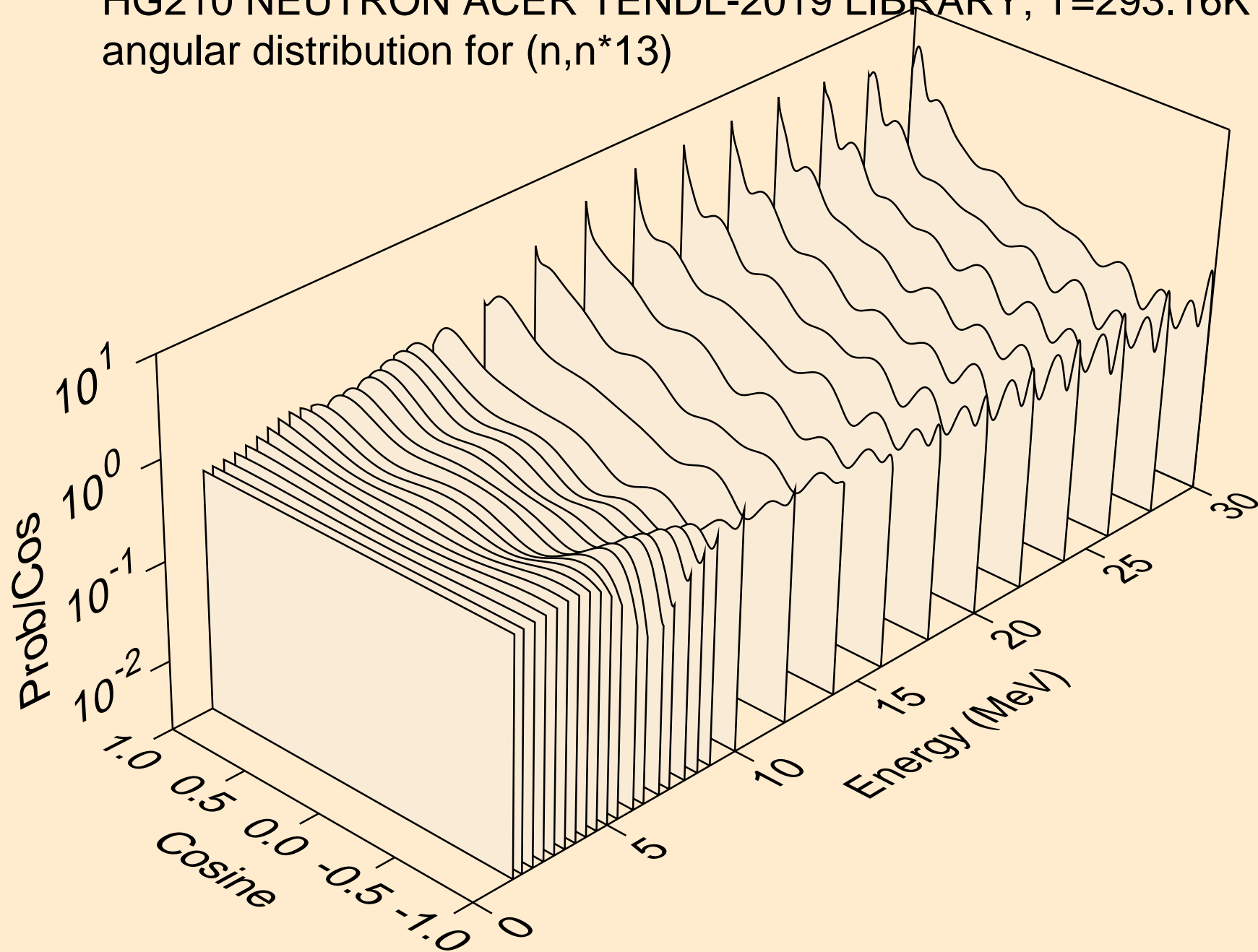




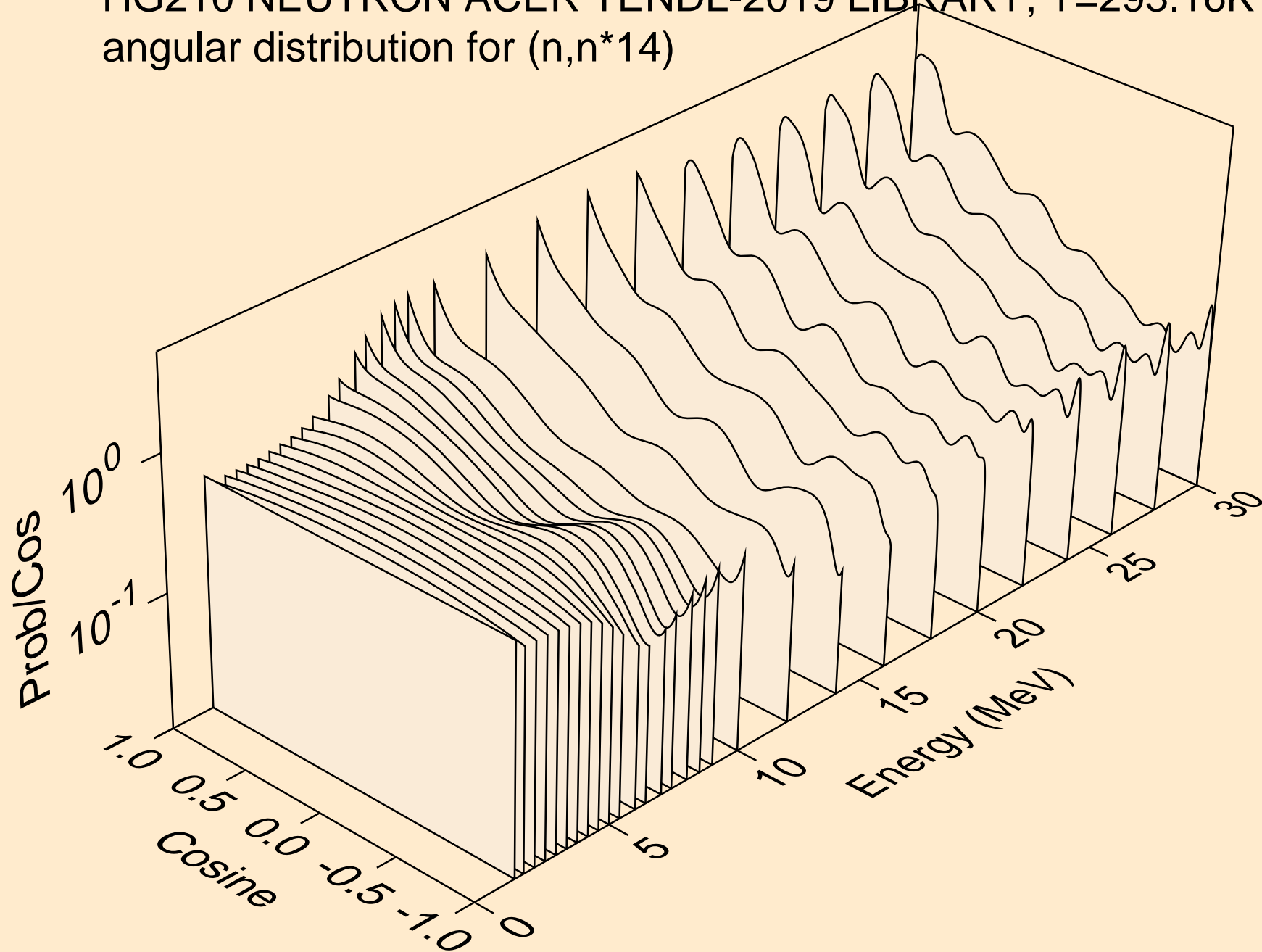
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angular distribution for (n,n\*12)



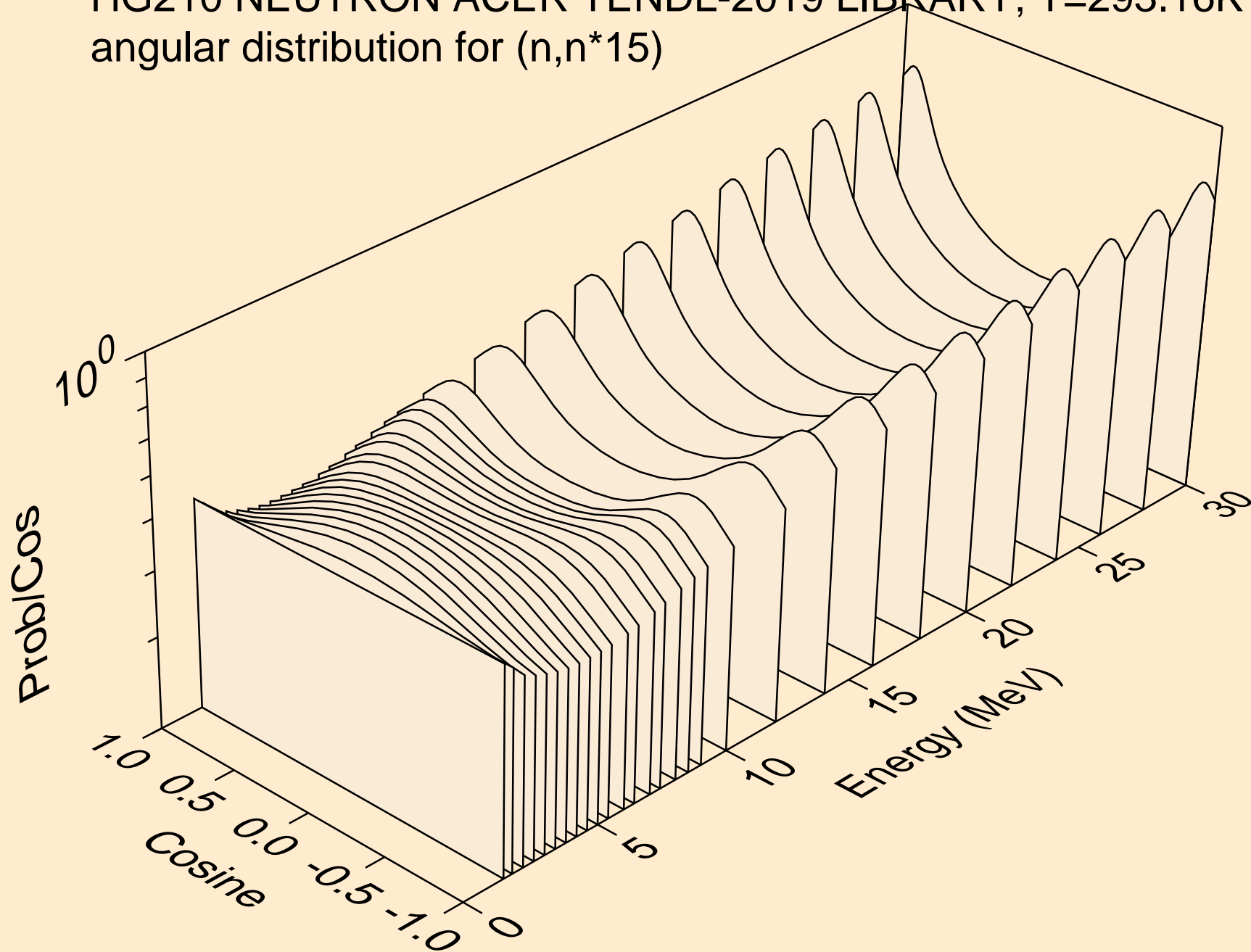
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angular distribution for (n,n\*13)



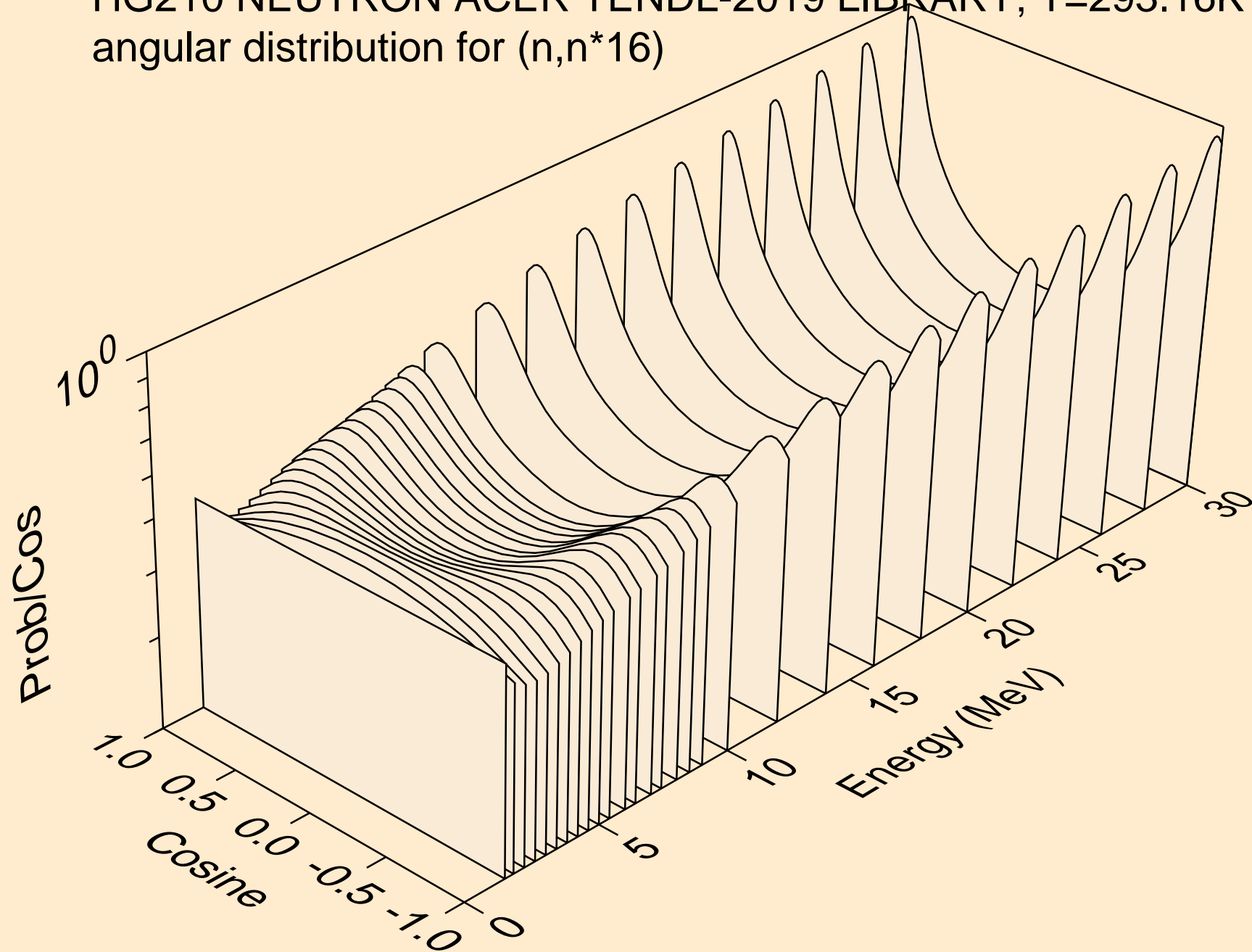
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angular distribution for (n,n\*14)



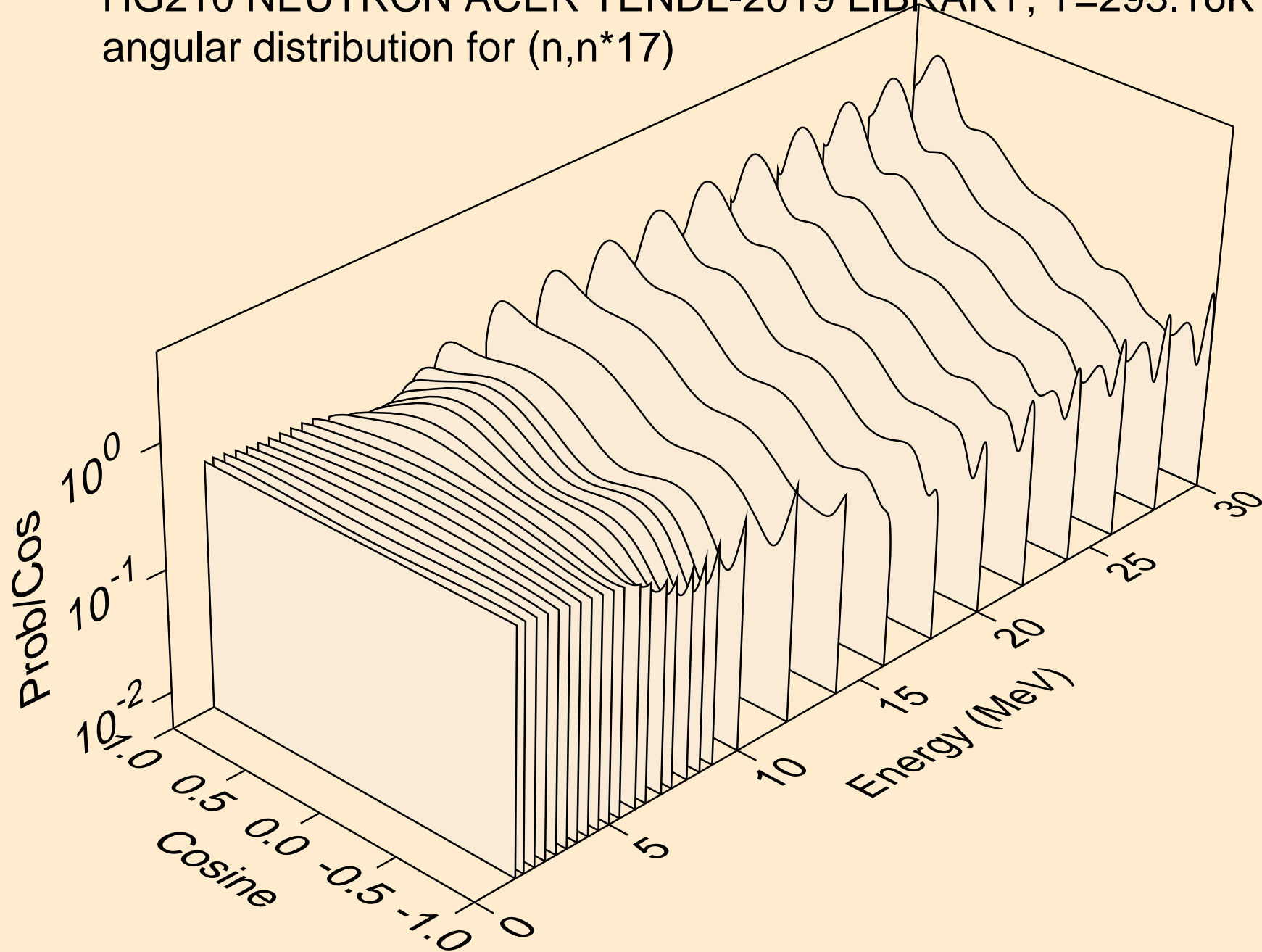
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angular distribution for (n,n\*15)



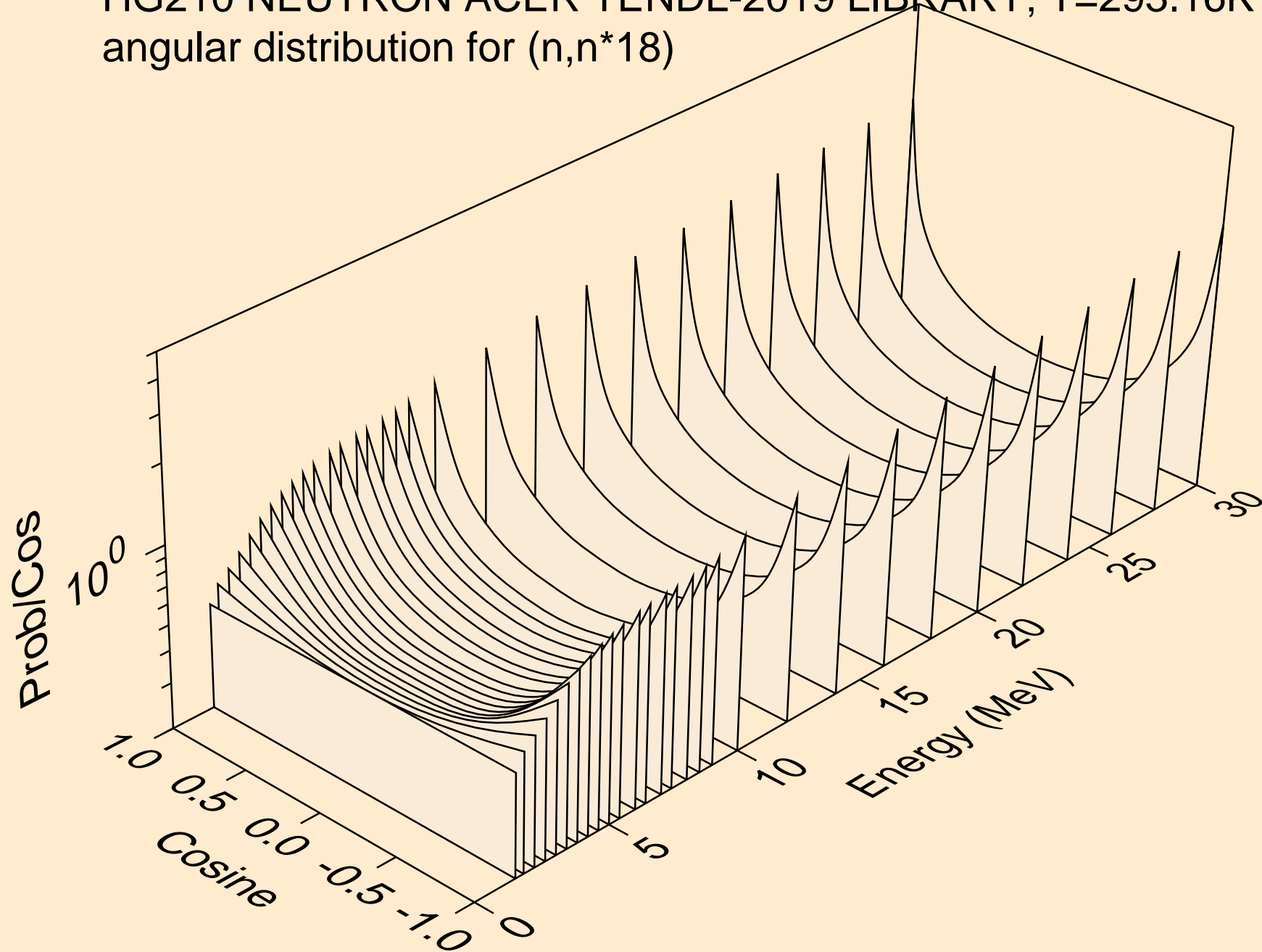
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angular distribution for (n,n\*16)



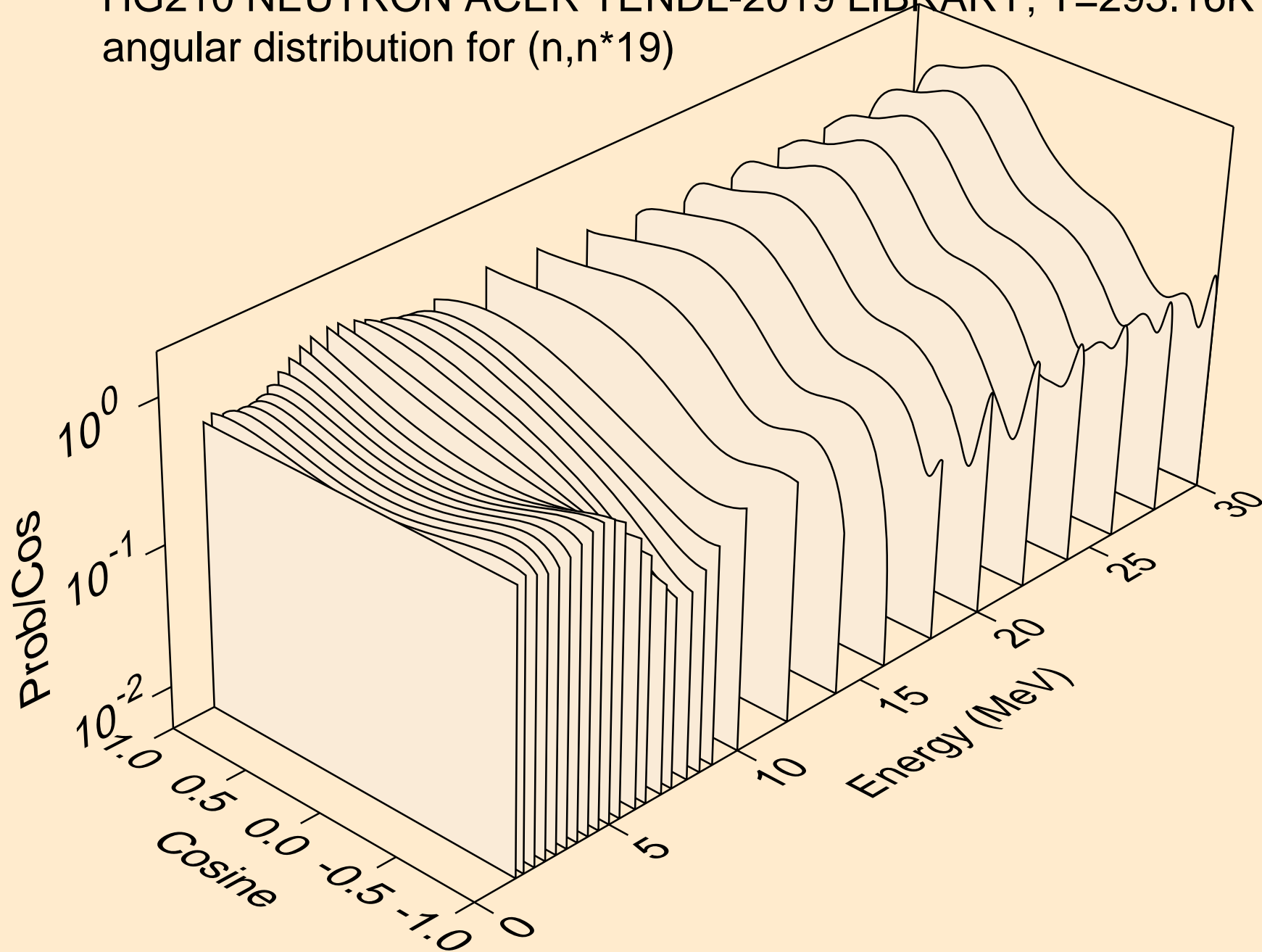
HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*17)



HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*18)

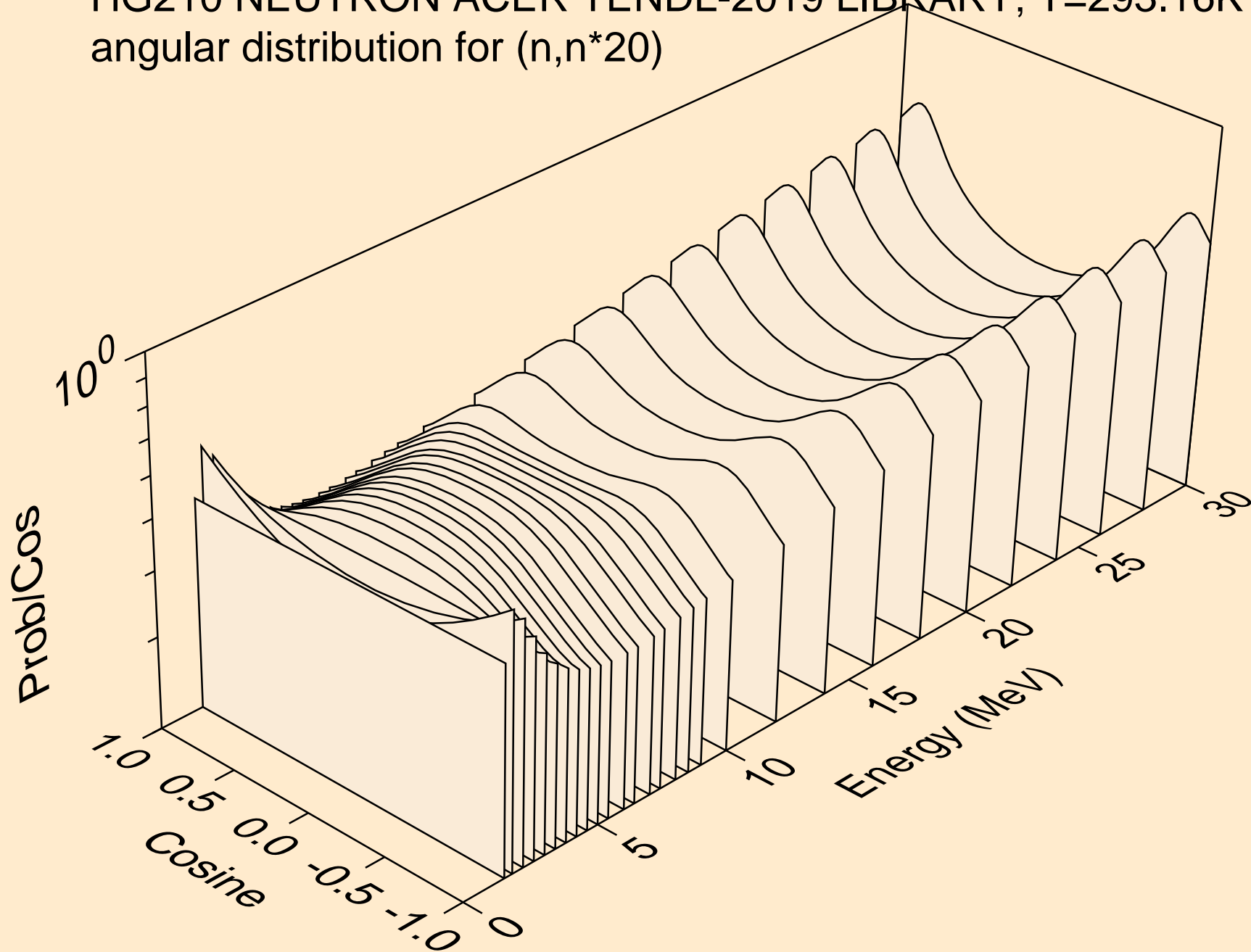


HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*19)

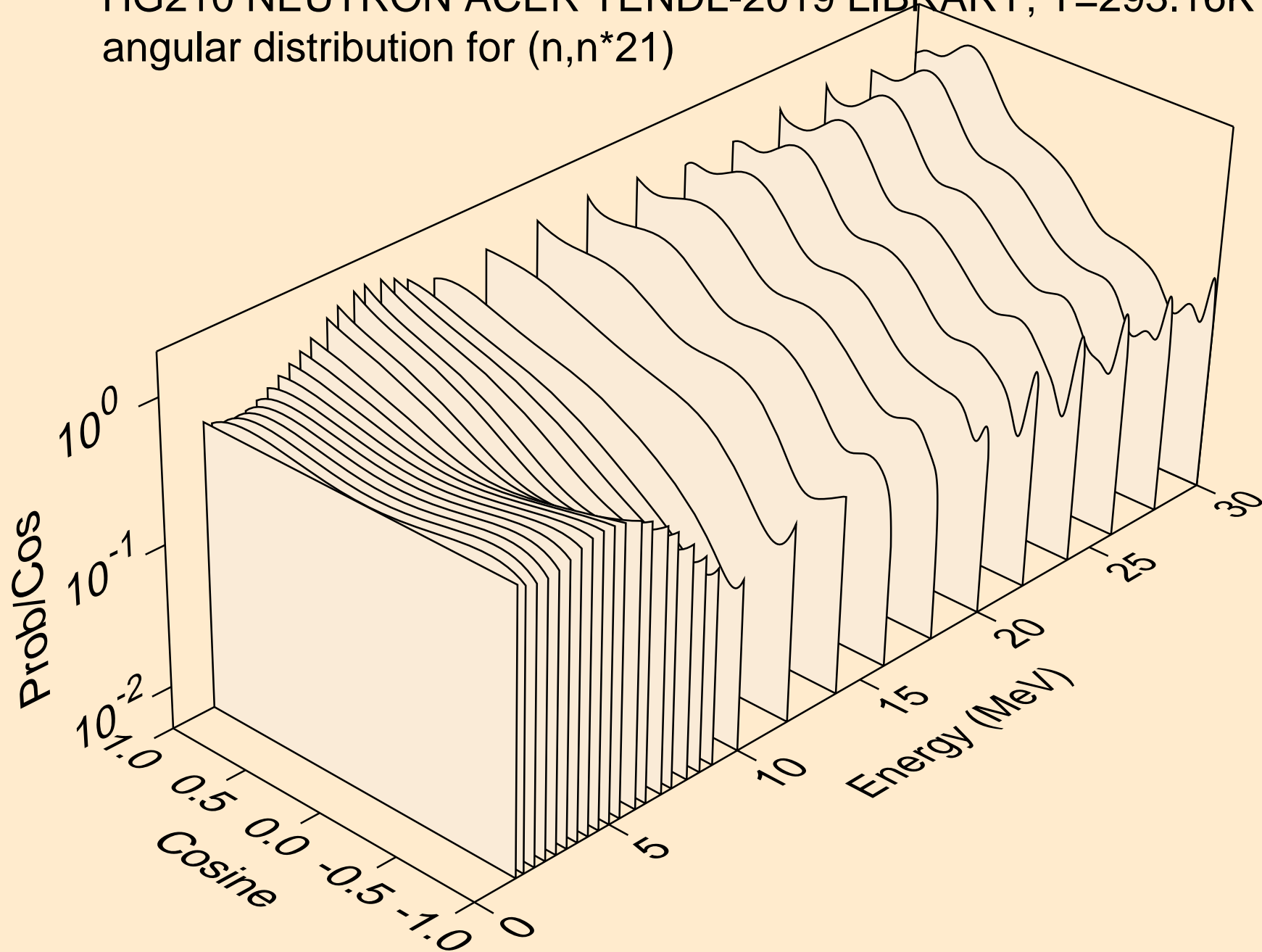




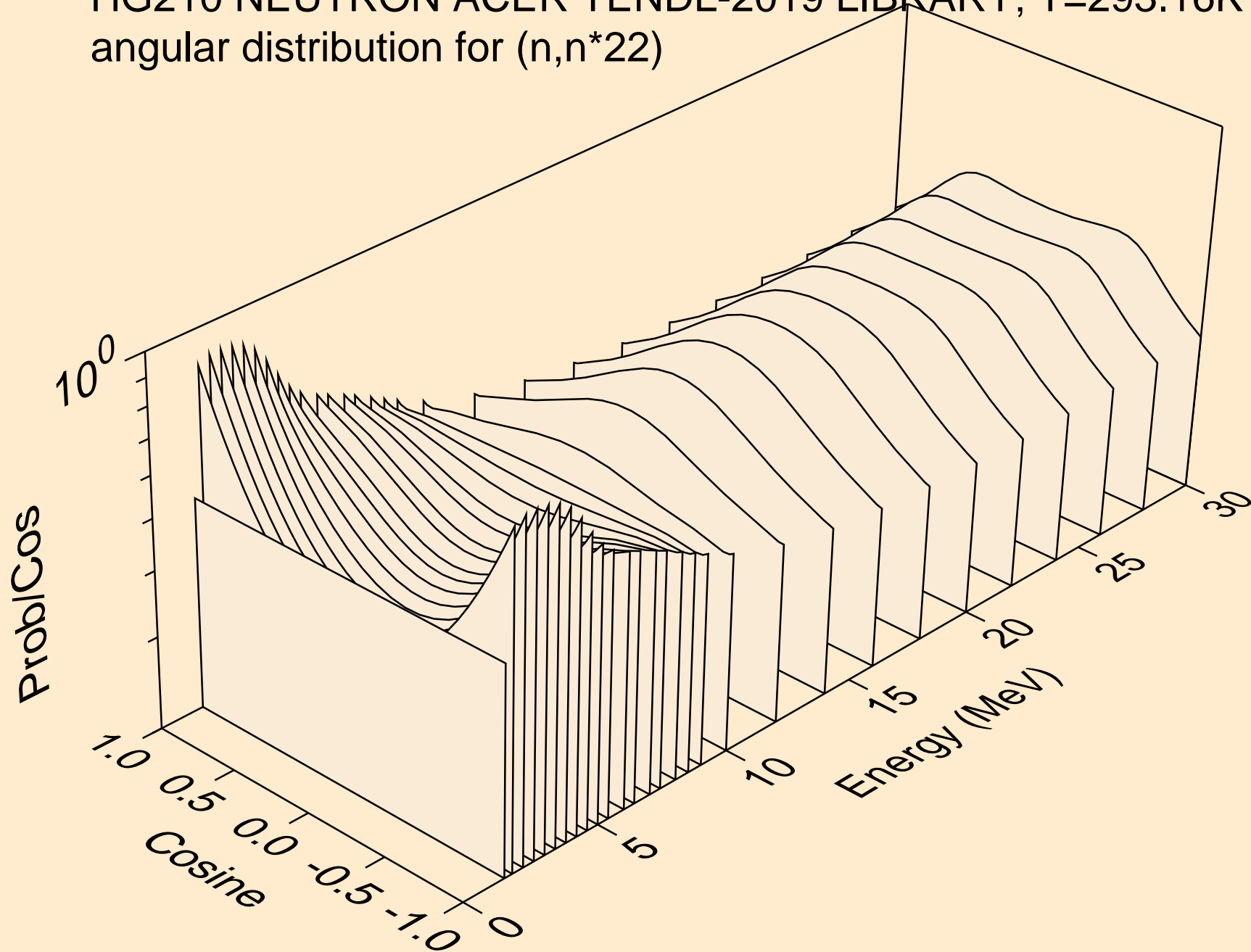
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angular distribution for (n,n\*20)



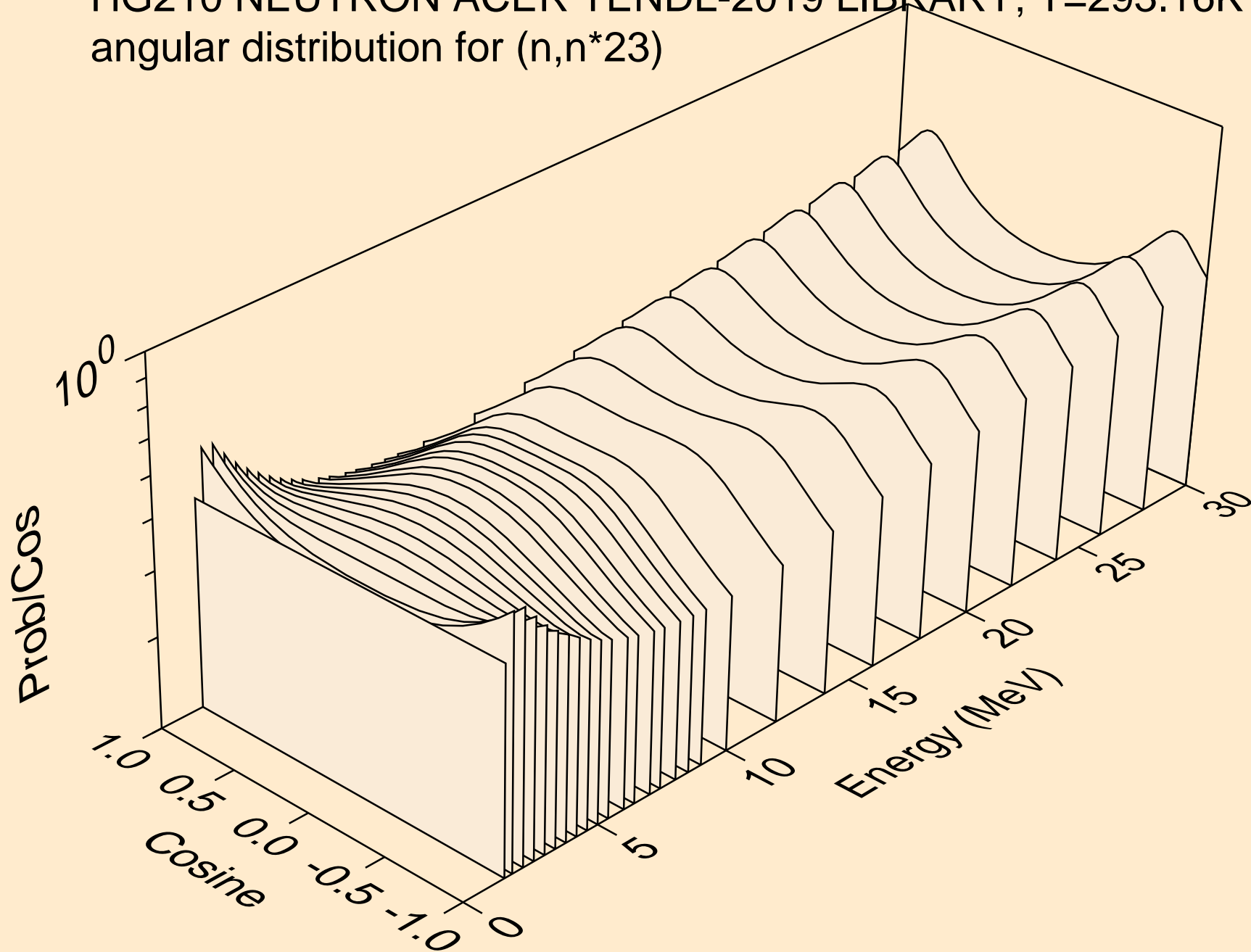
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angular distribution for (n,n\*21)



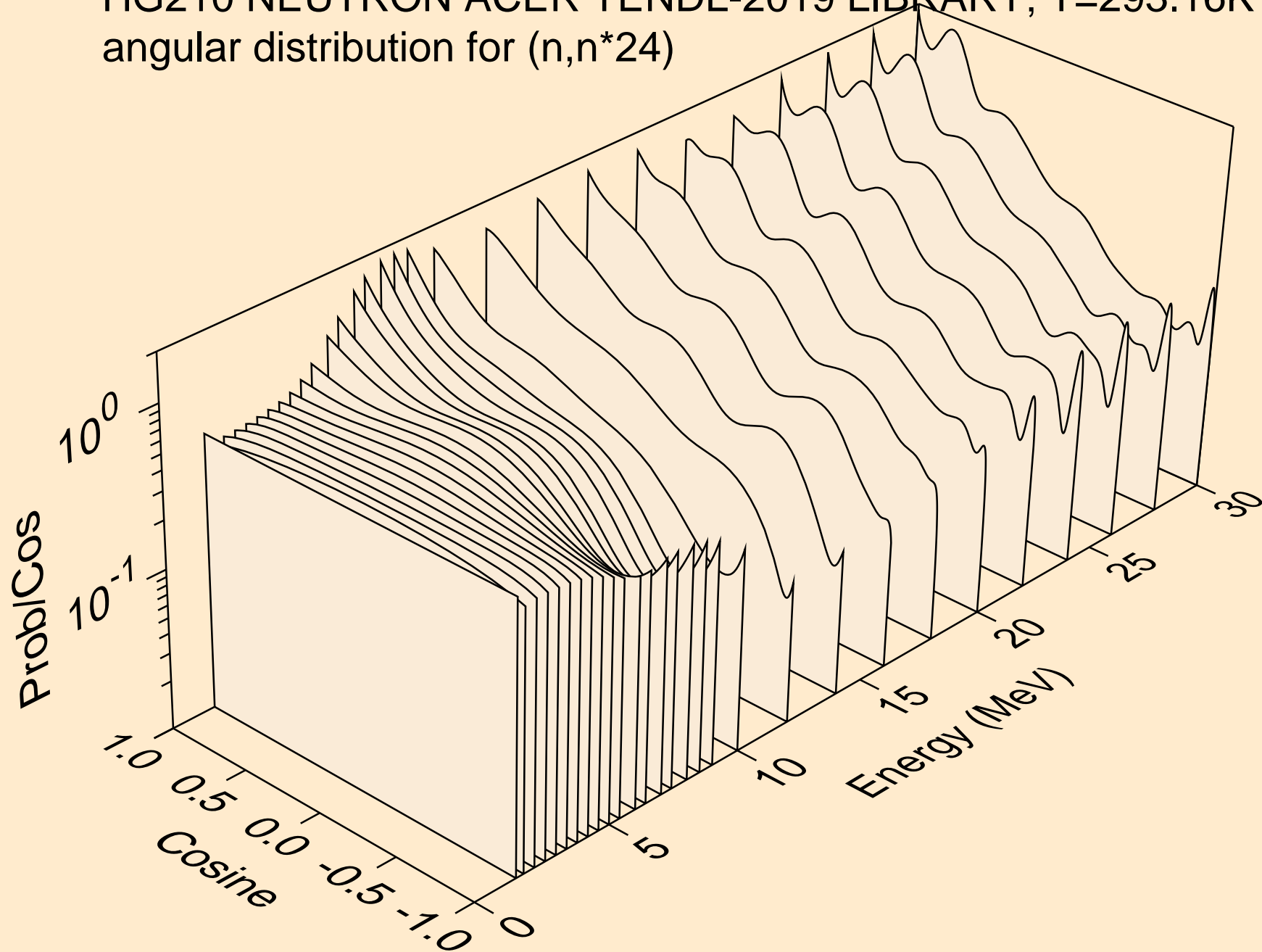
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angular distribution for (n,n\*22)



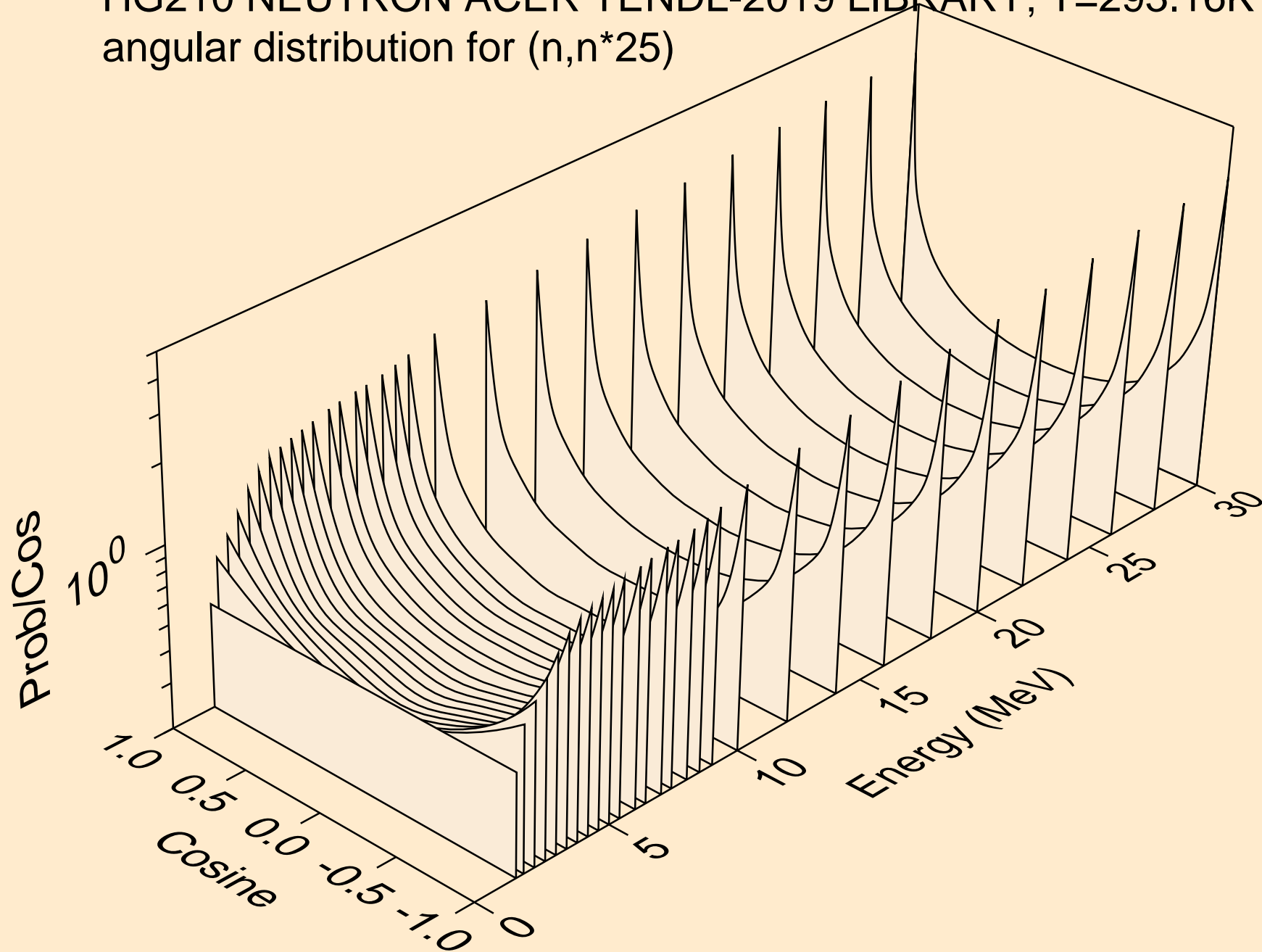
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angular distribution for (n,n\*23)



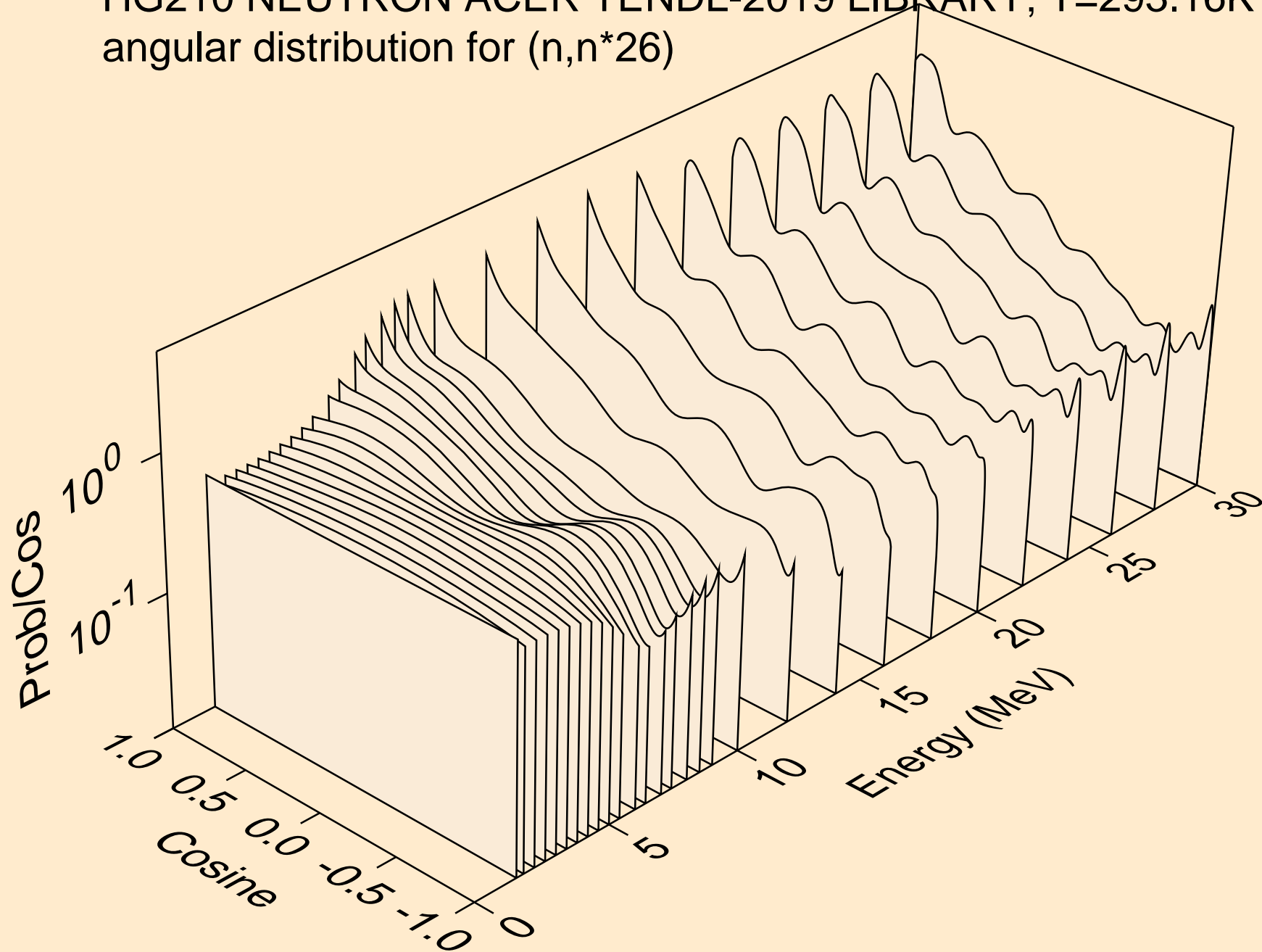
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angular distribution for (n,n\*24)



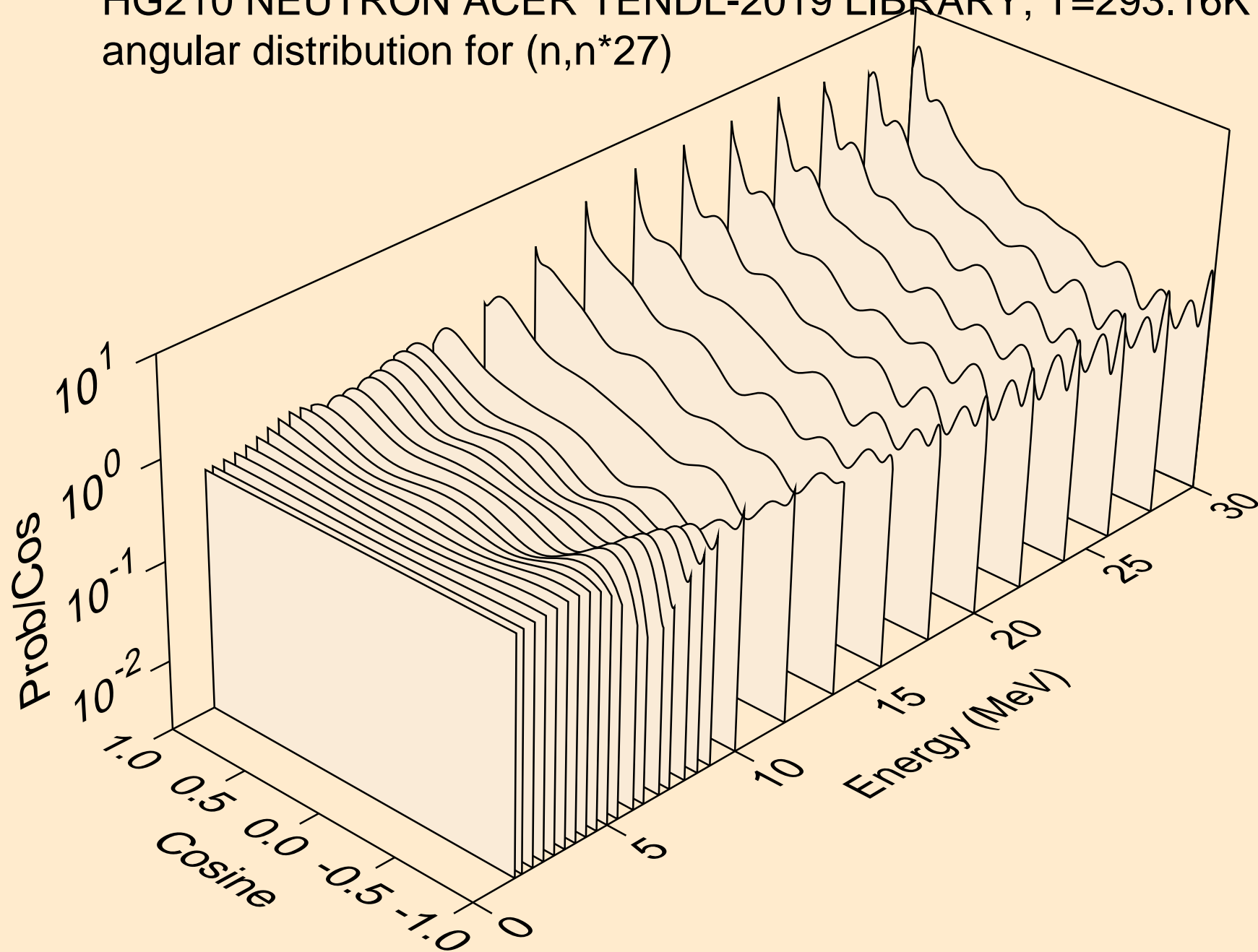
HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*25)



HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*26)

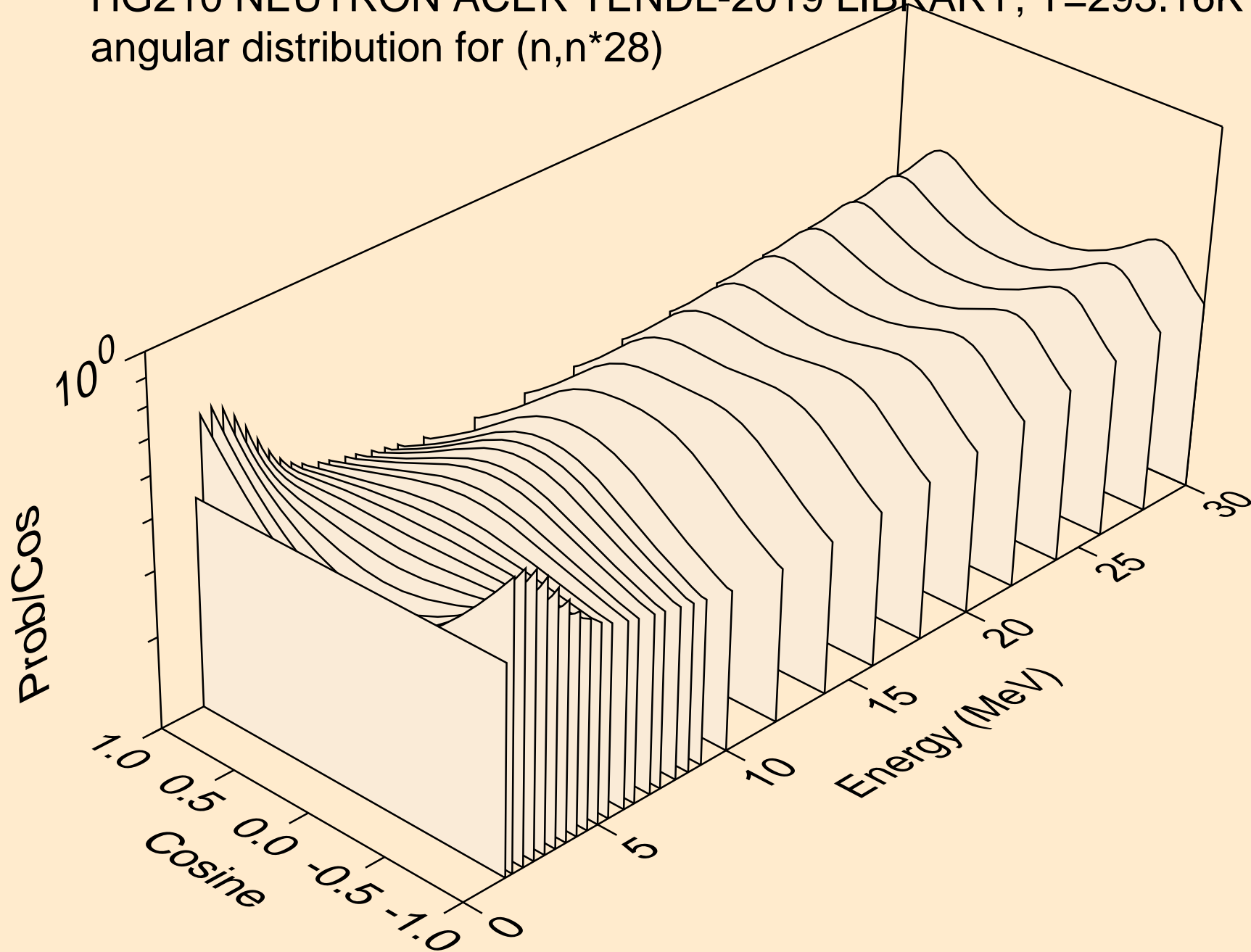


HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*27)

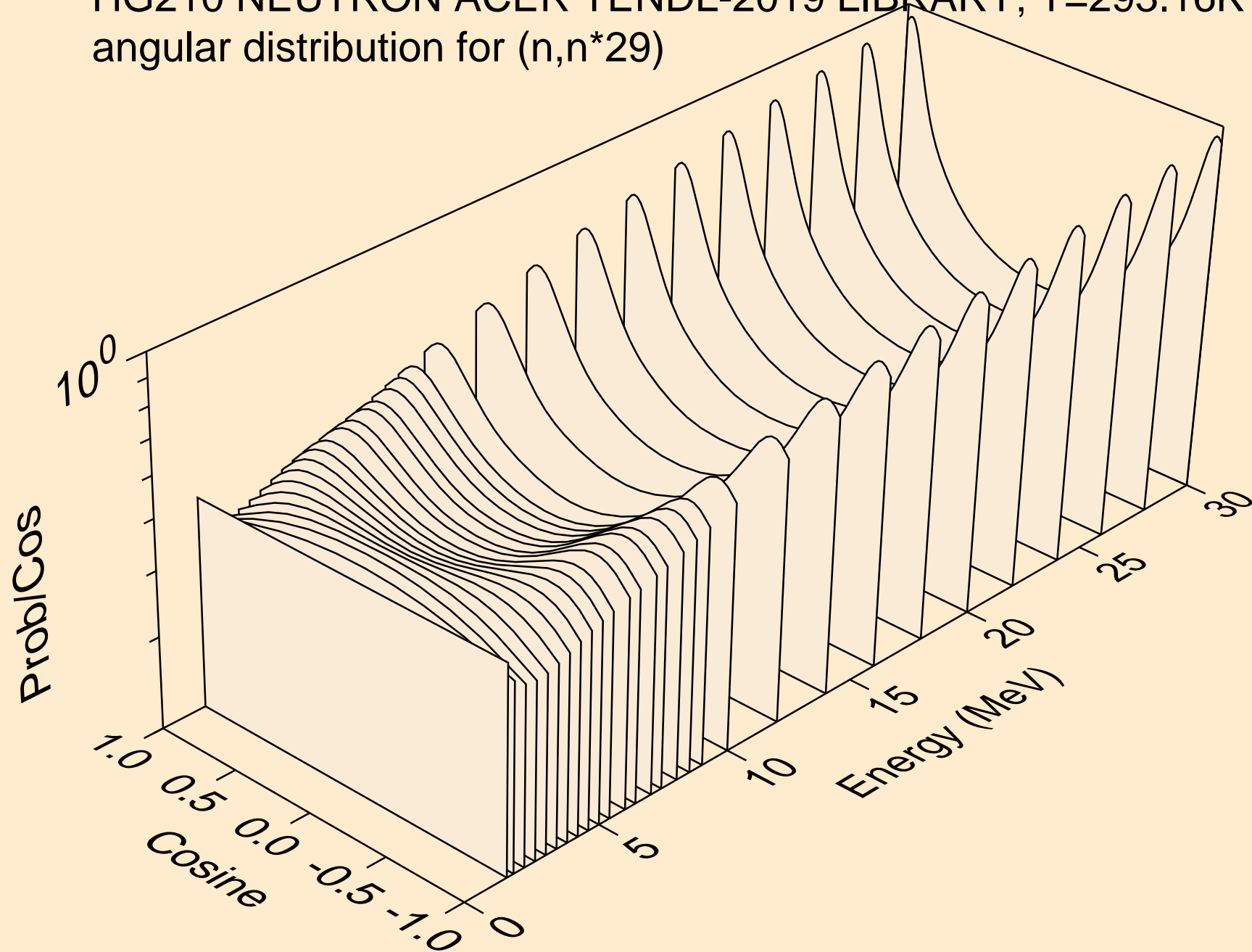




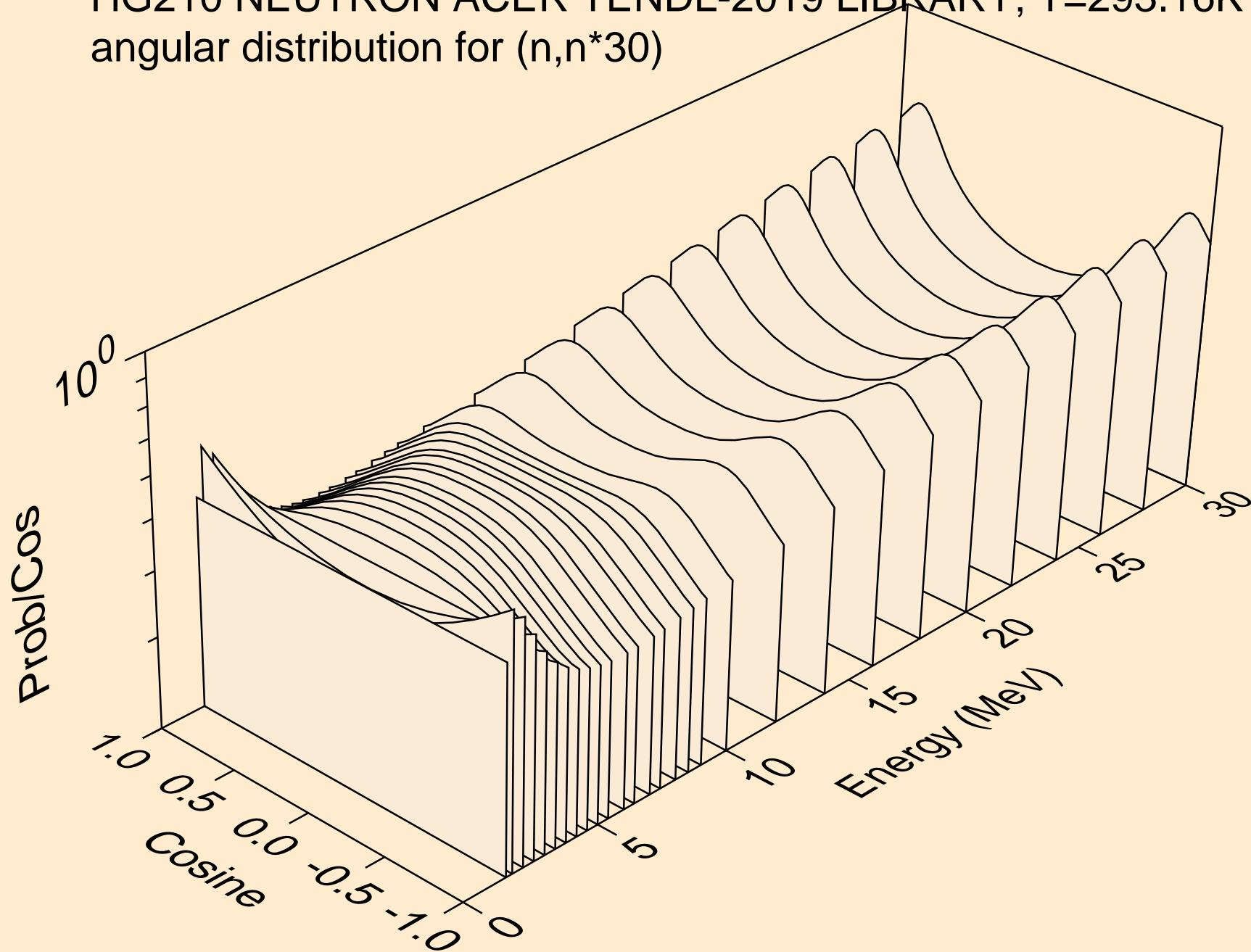
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angular distribution for (n,n\*28)



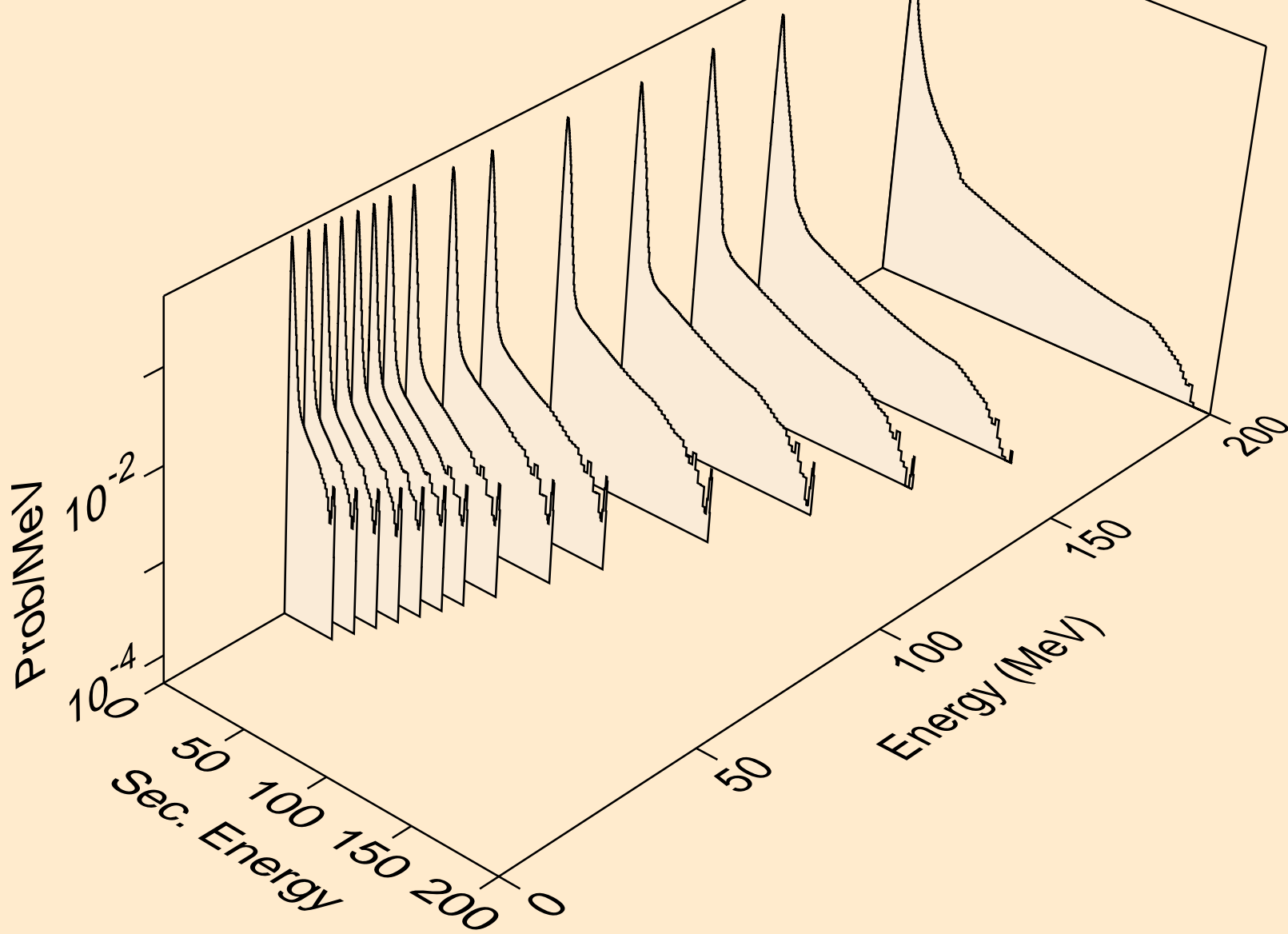
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angular distribution for (n,n\*29)



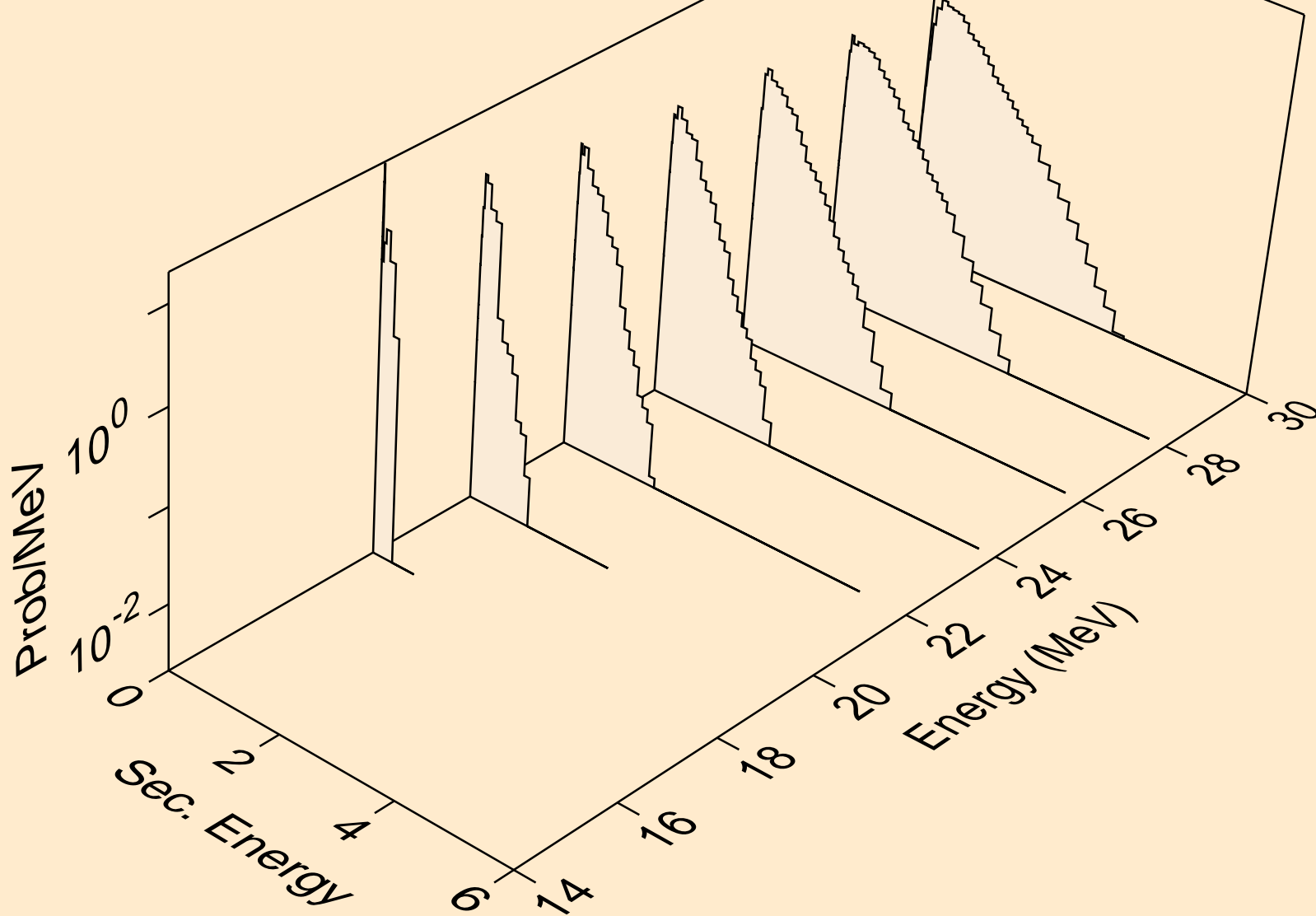
HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*30)



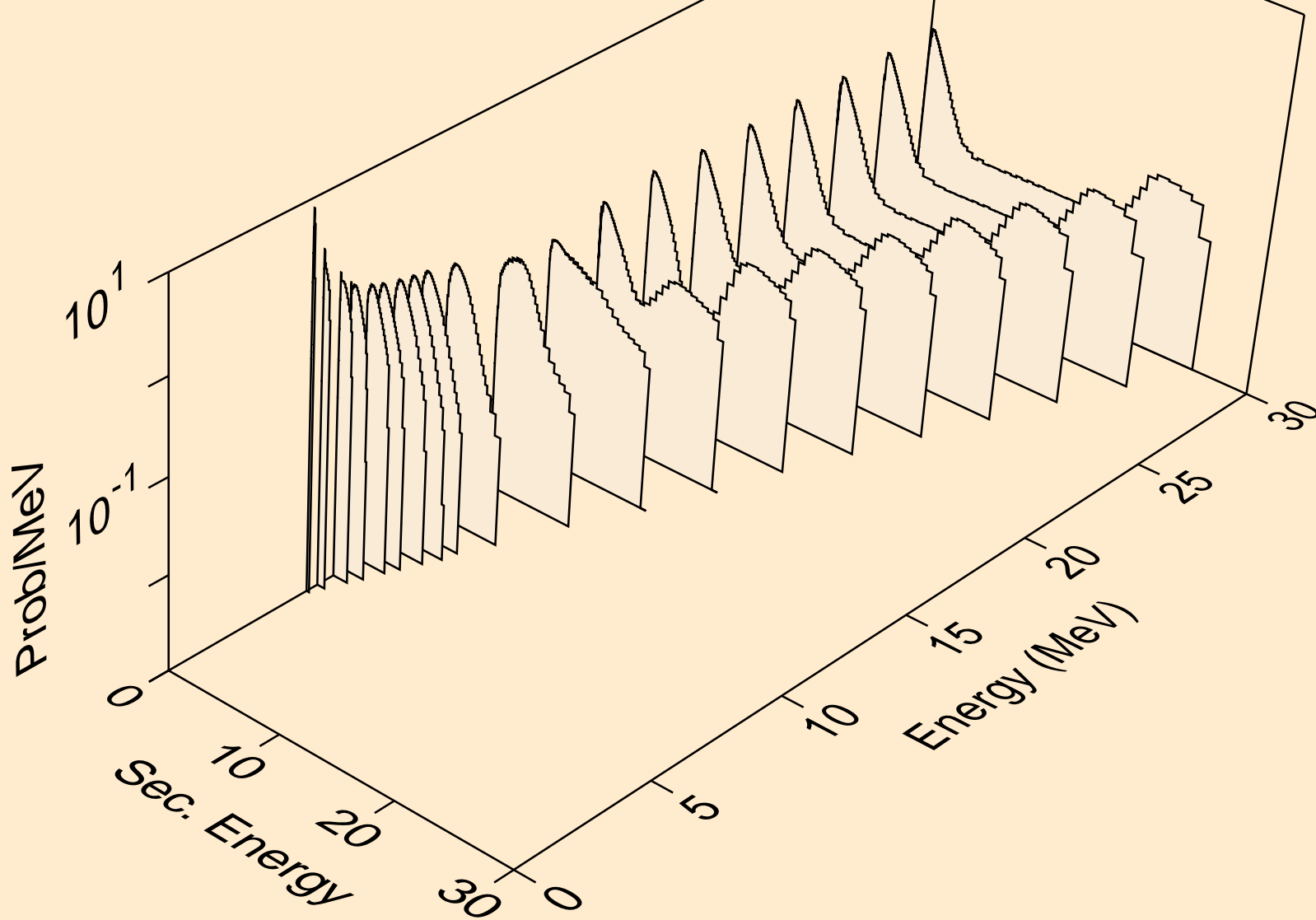
HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,x)



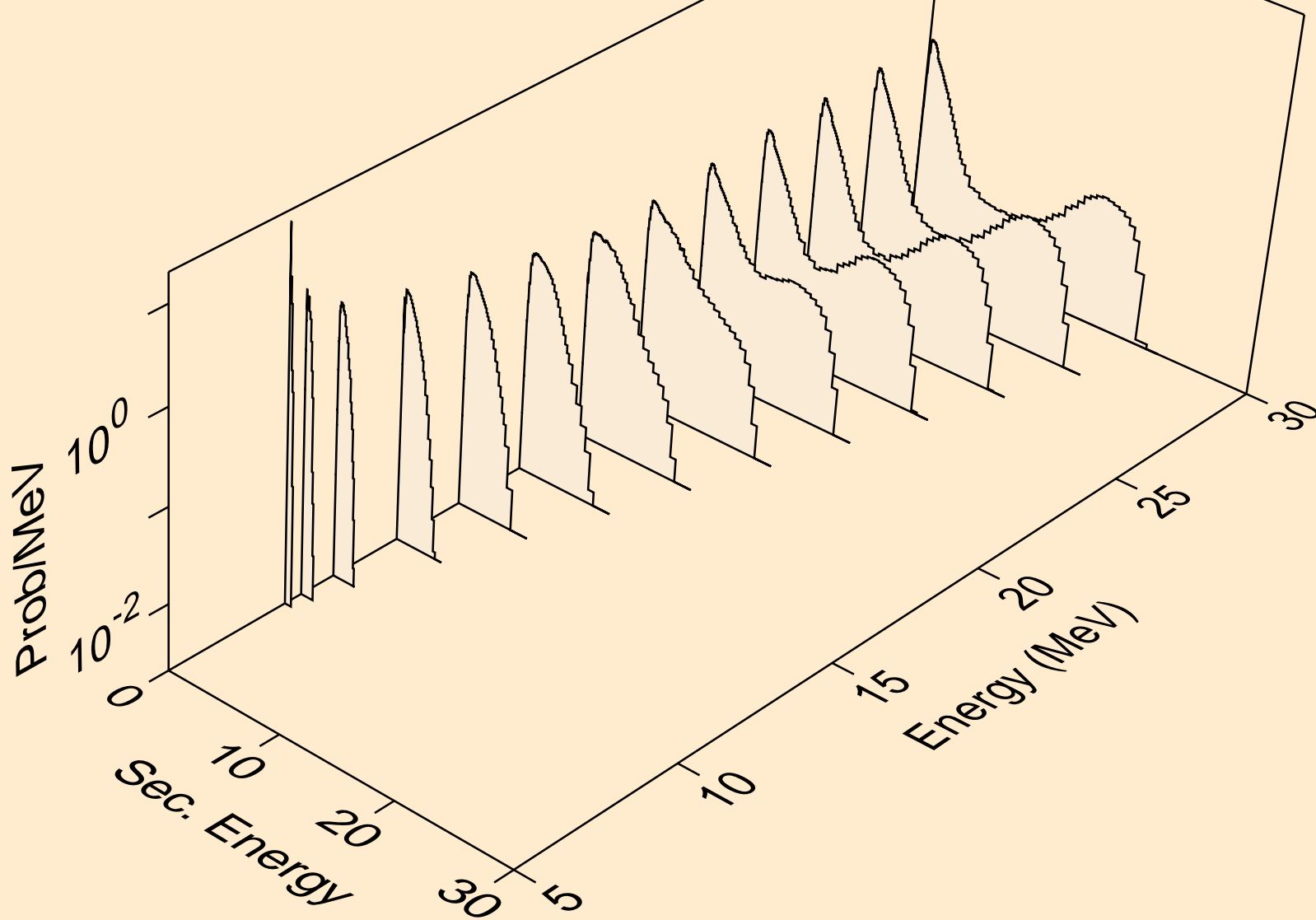
HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2nd)



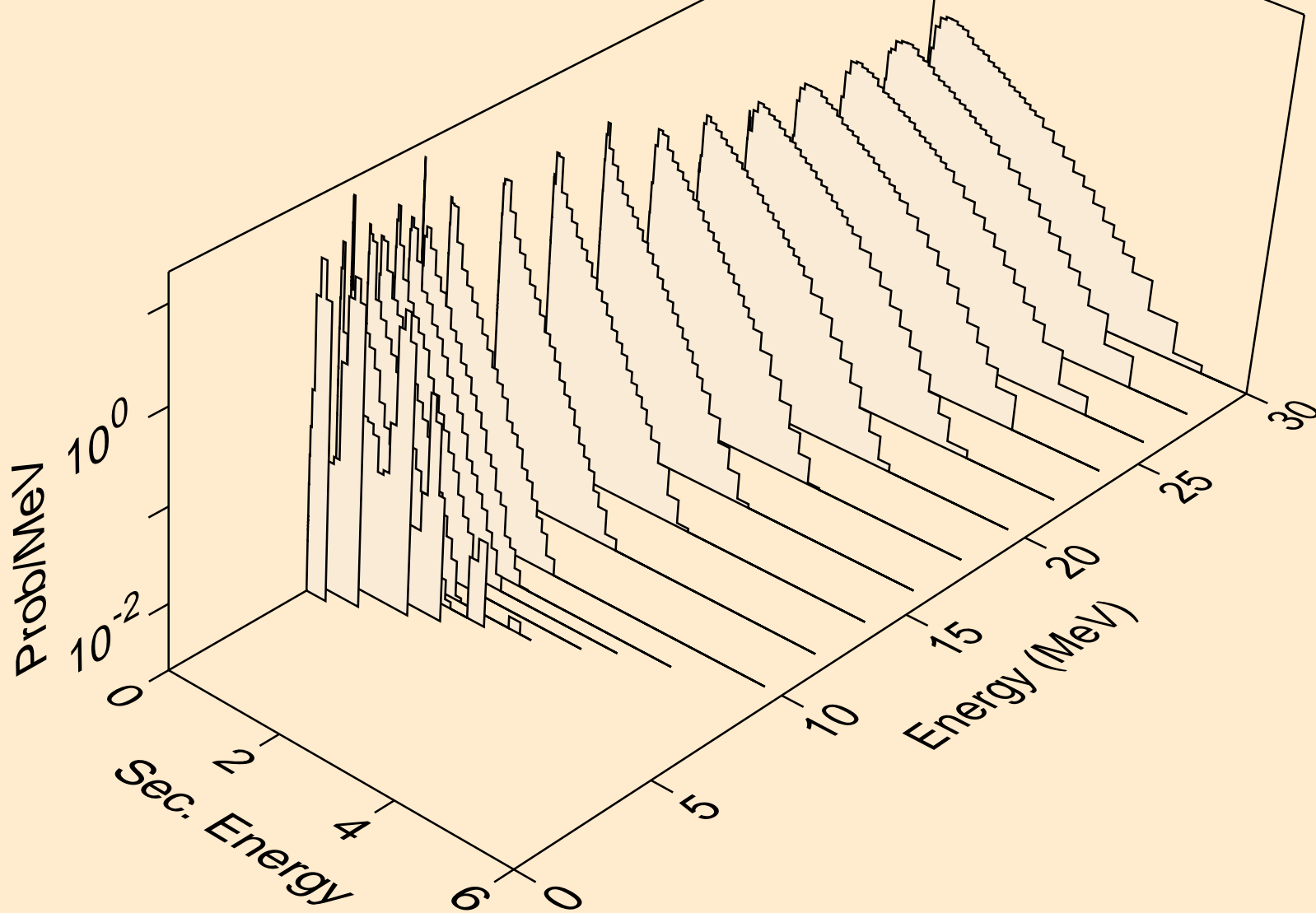
HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)



HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)

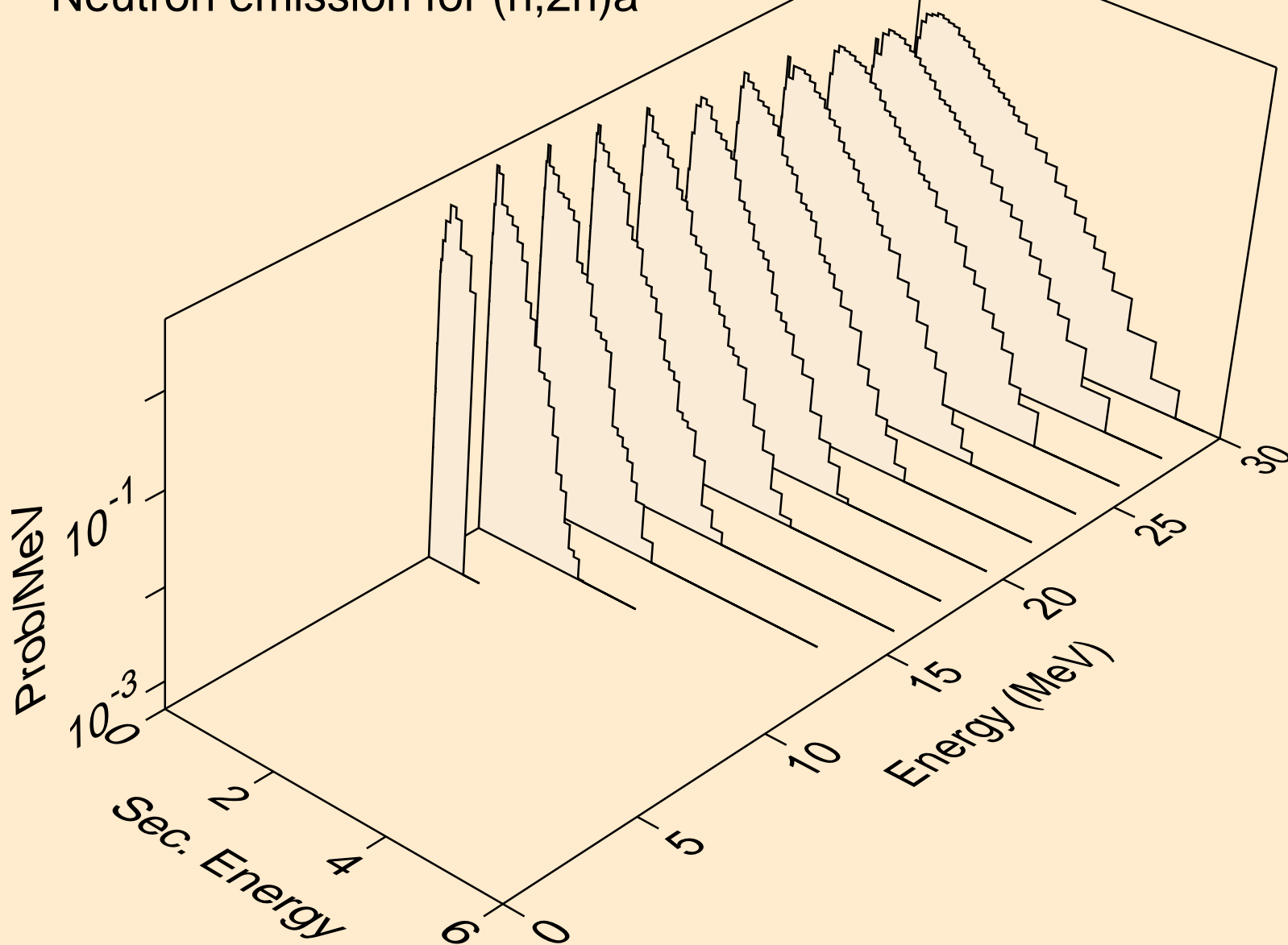


HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)a

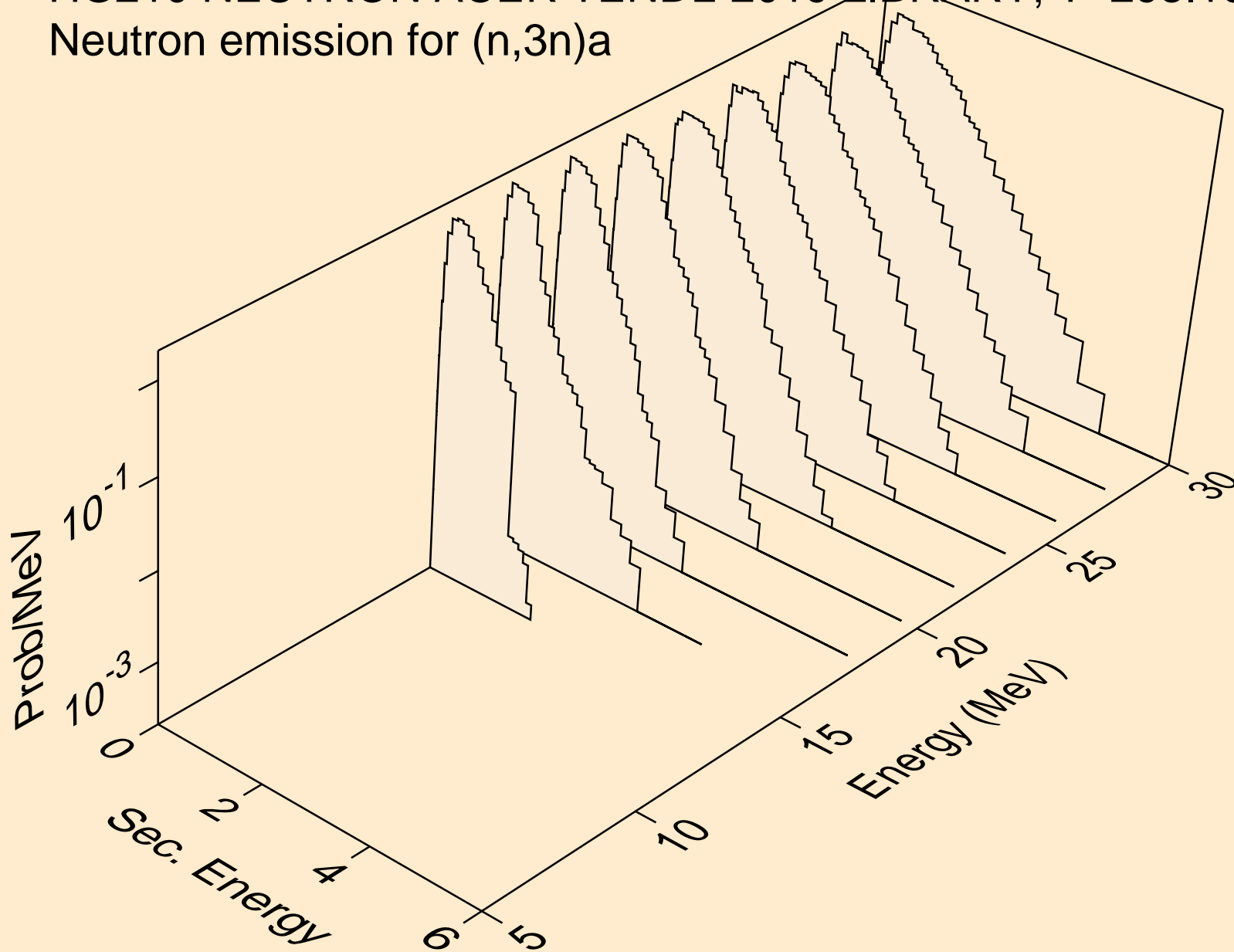




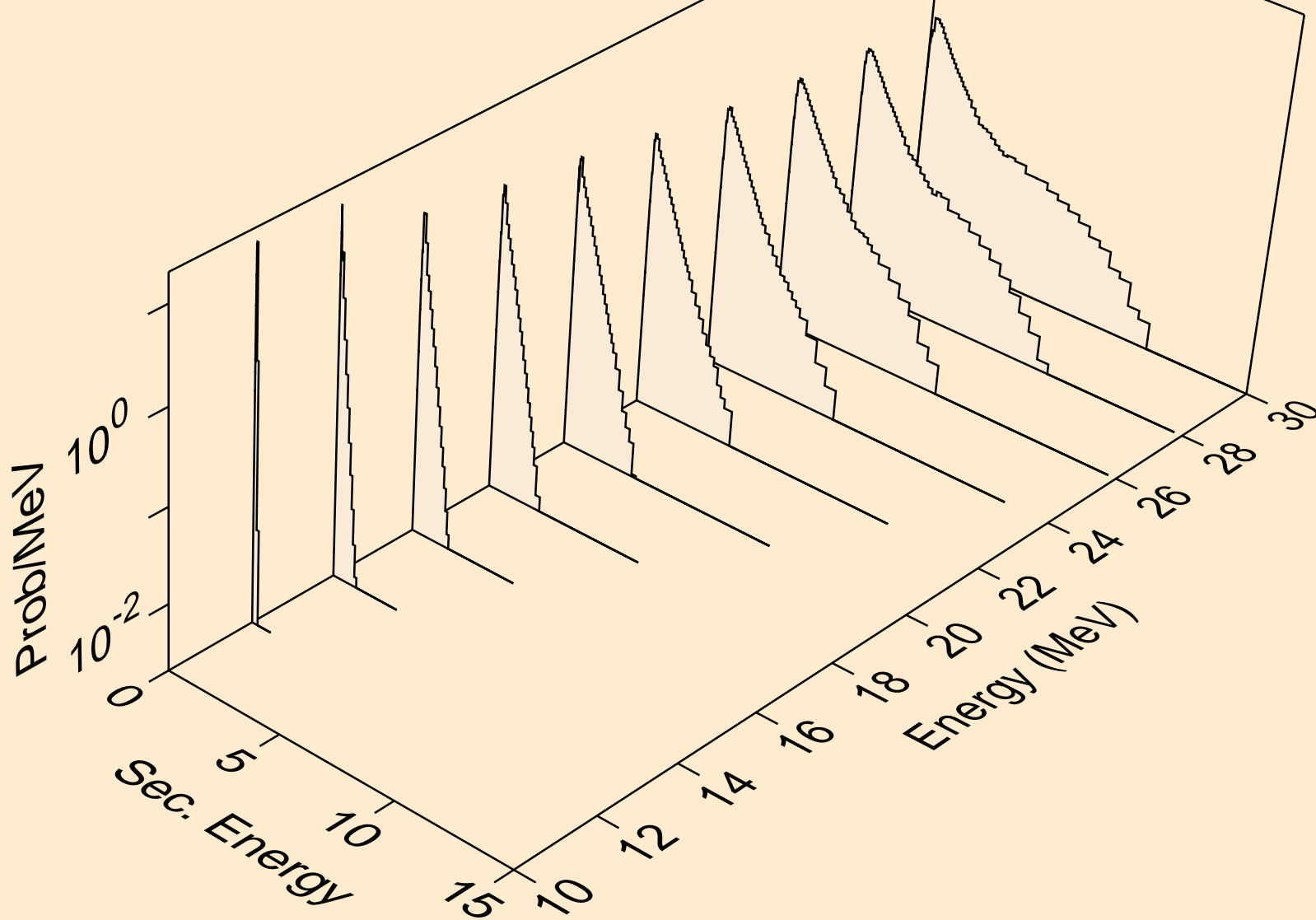
HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)a



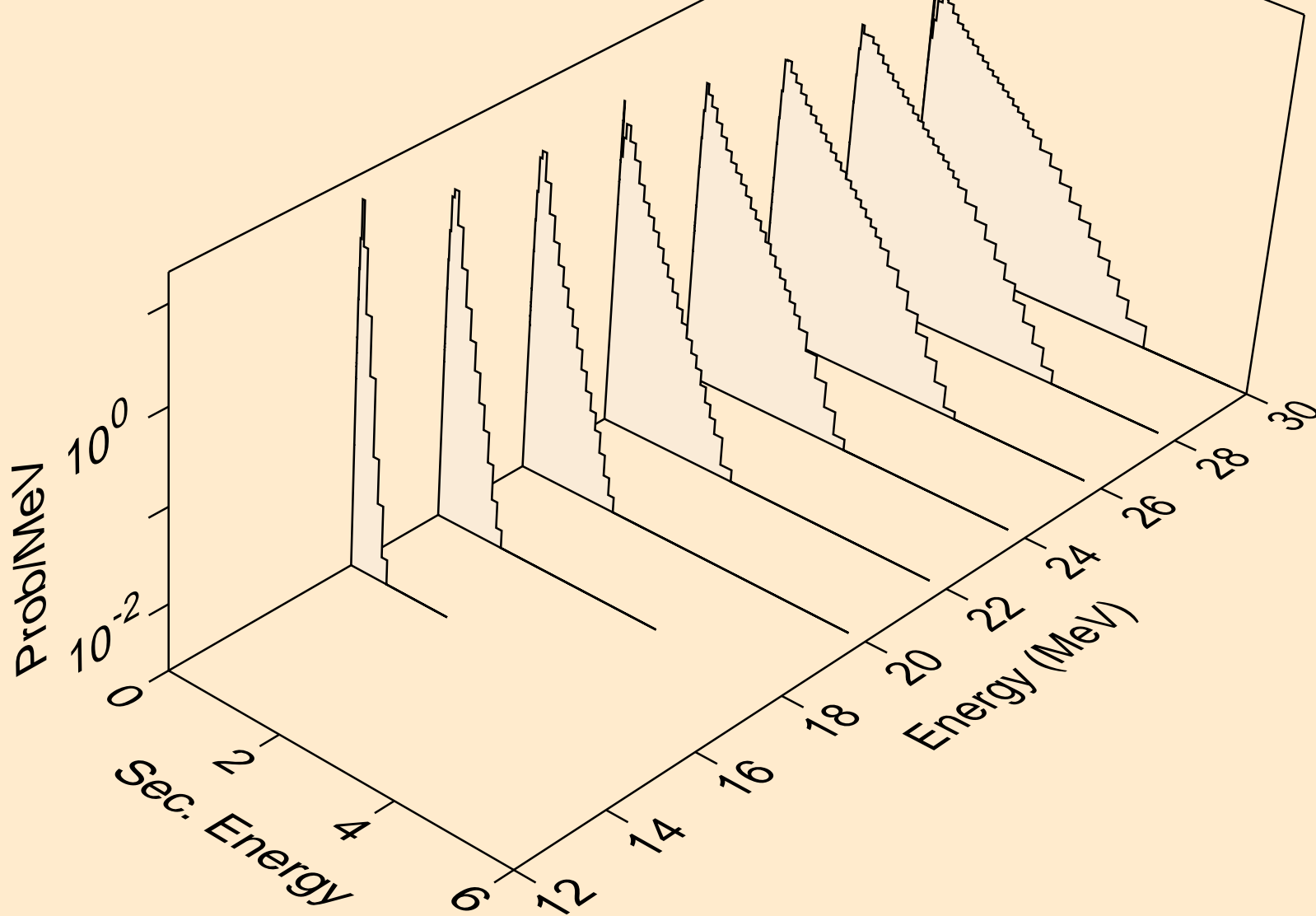
HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)a



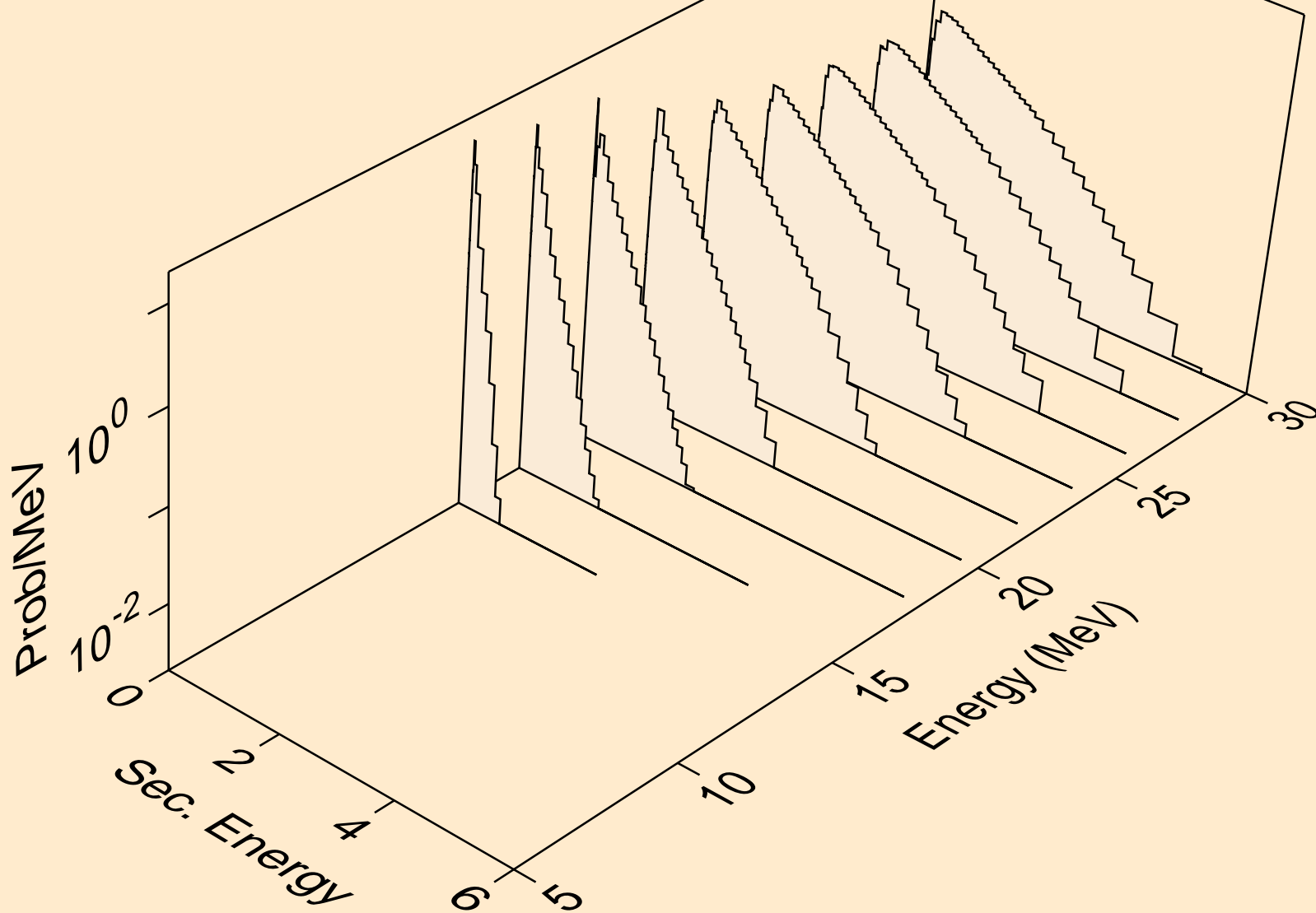
HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)p



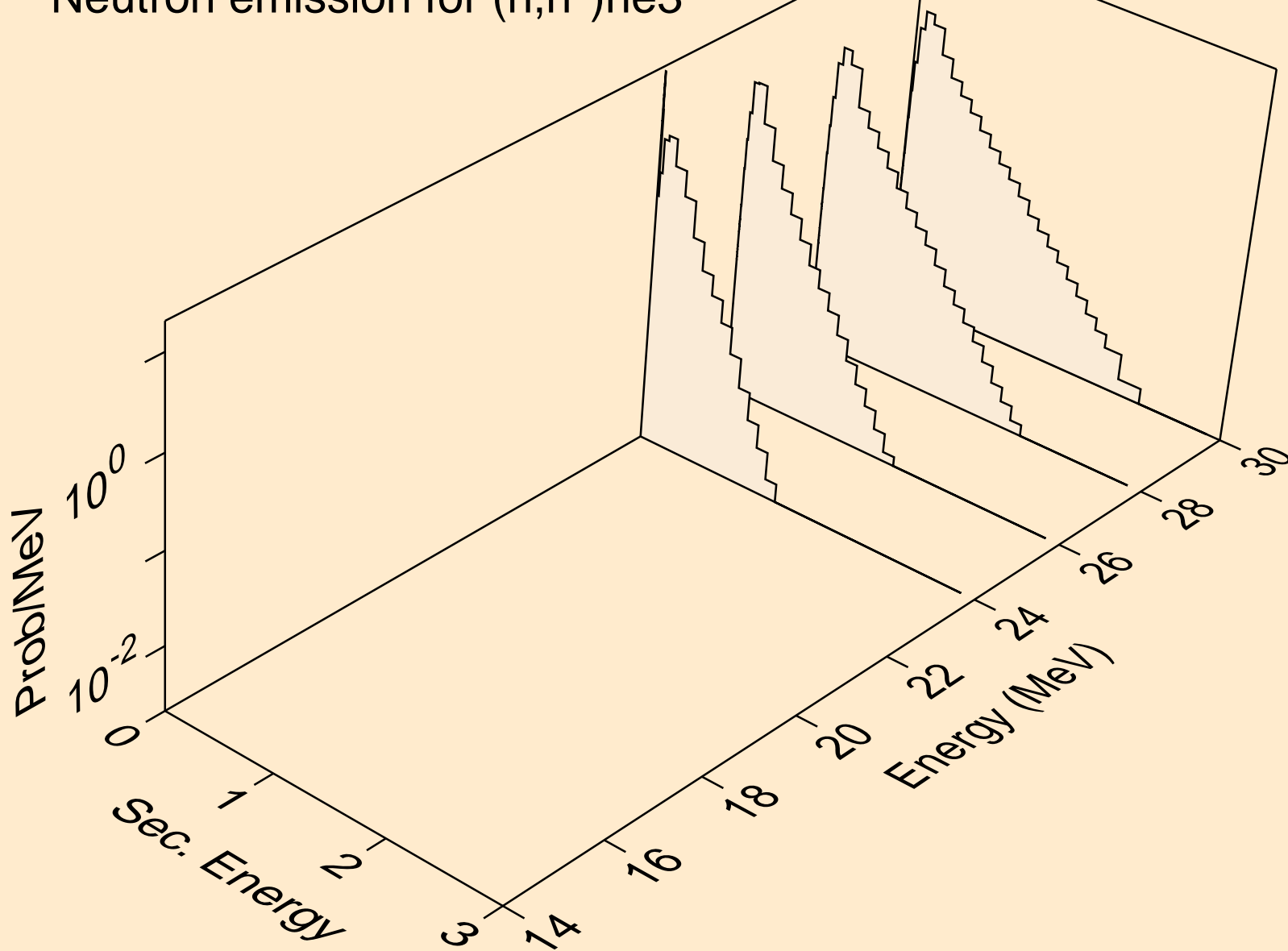
HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)d



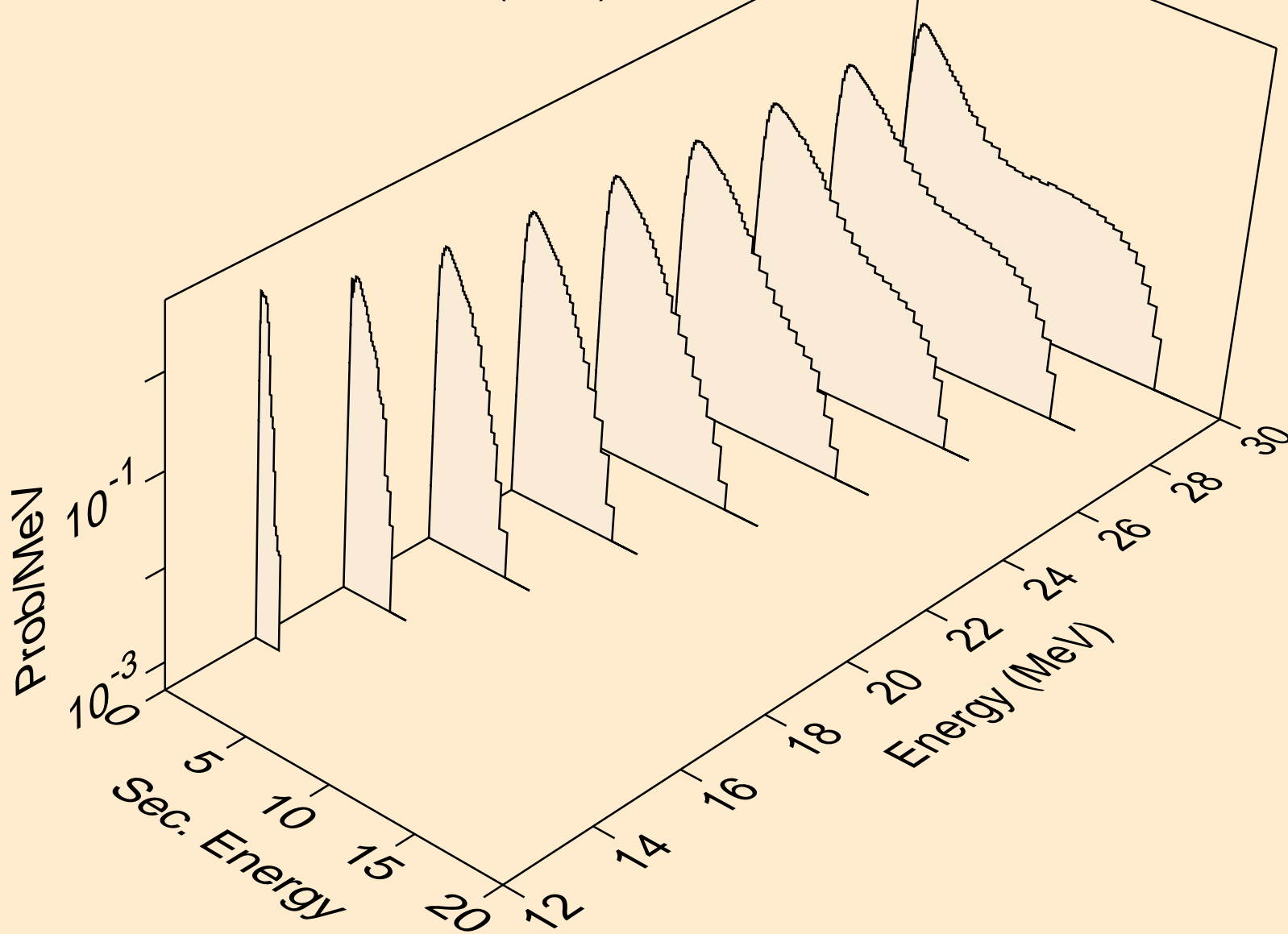
HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)t



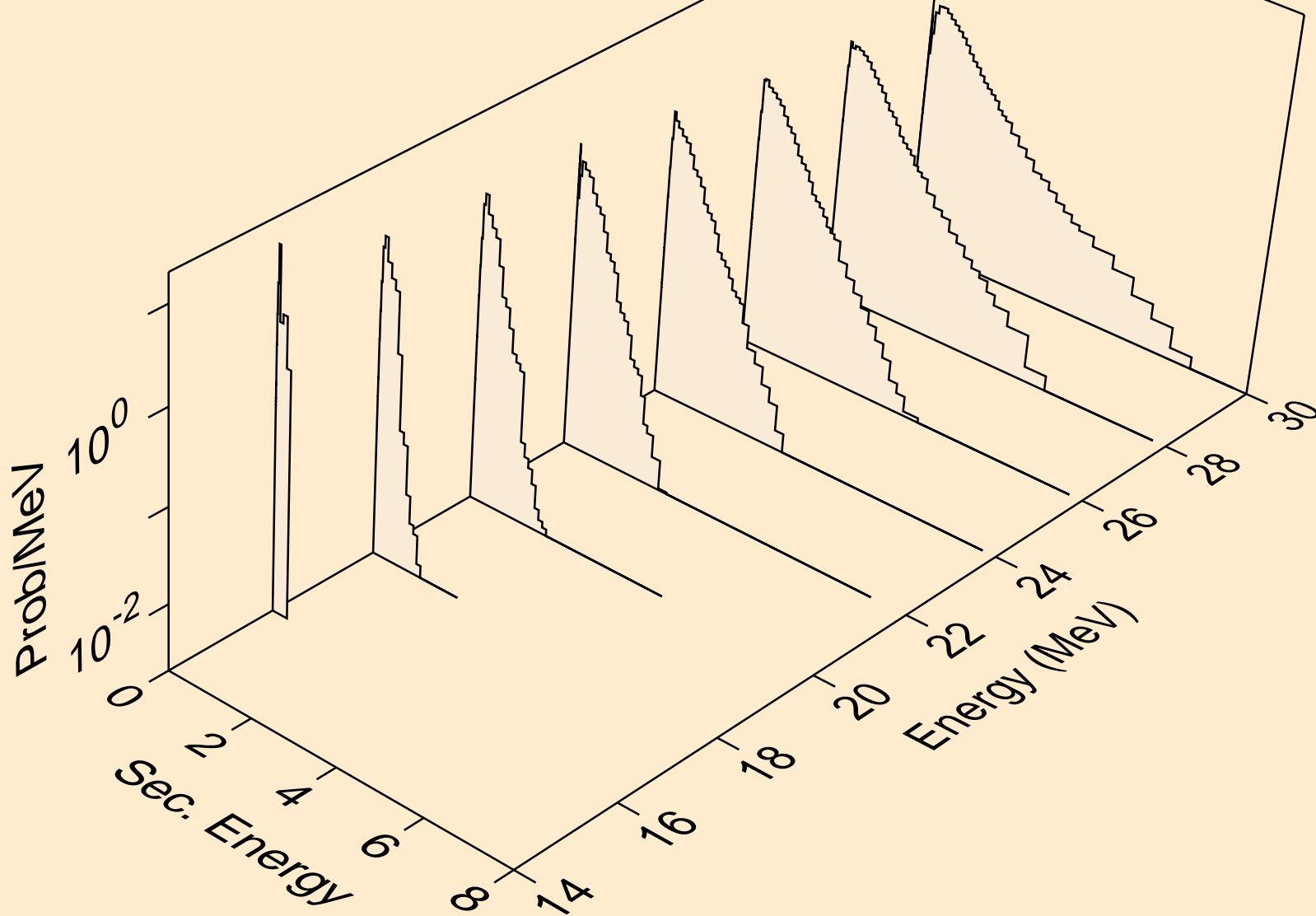
HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)he3



HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,4n)

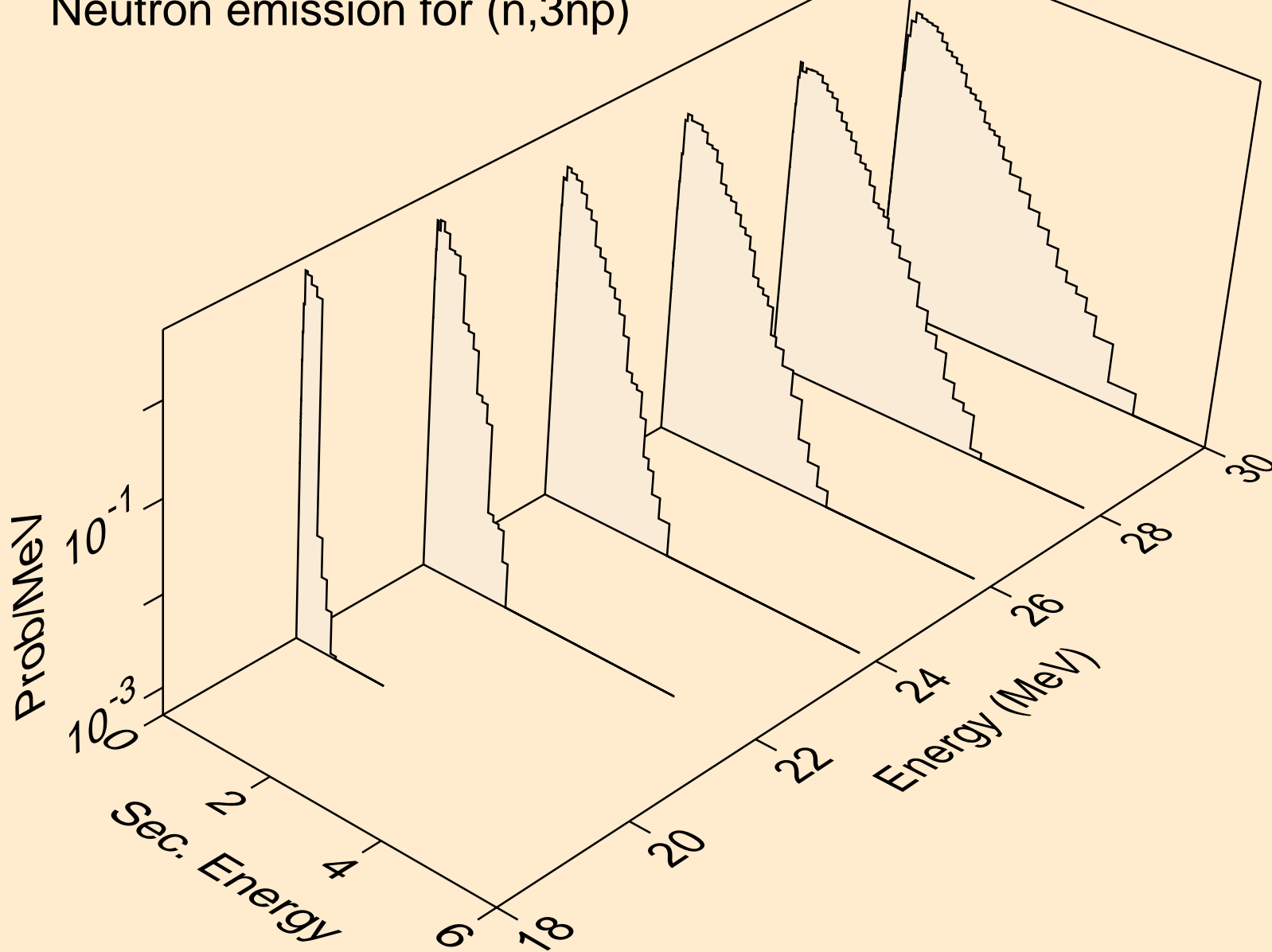


HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2np)

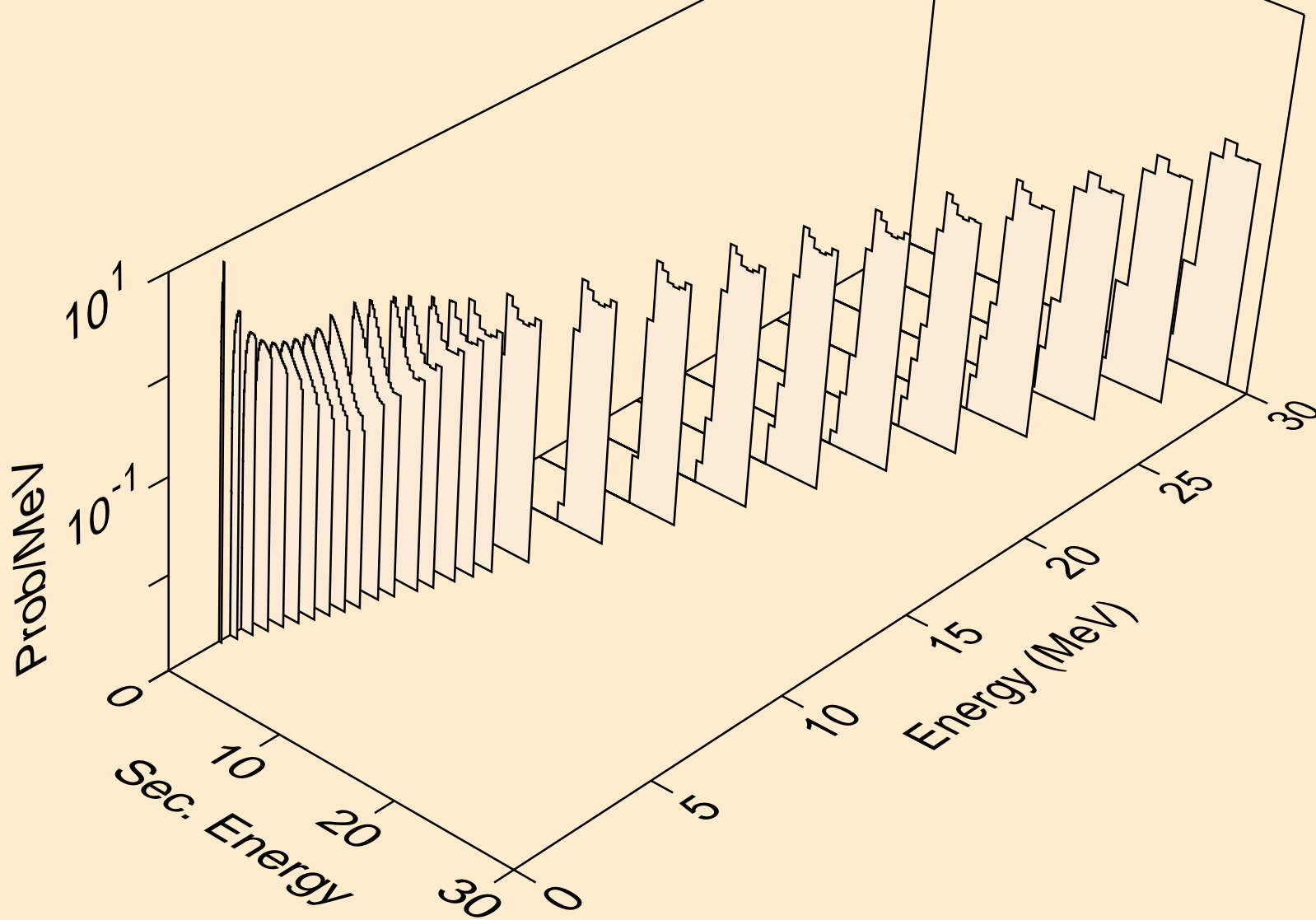




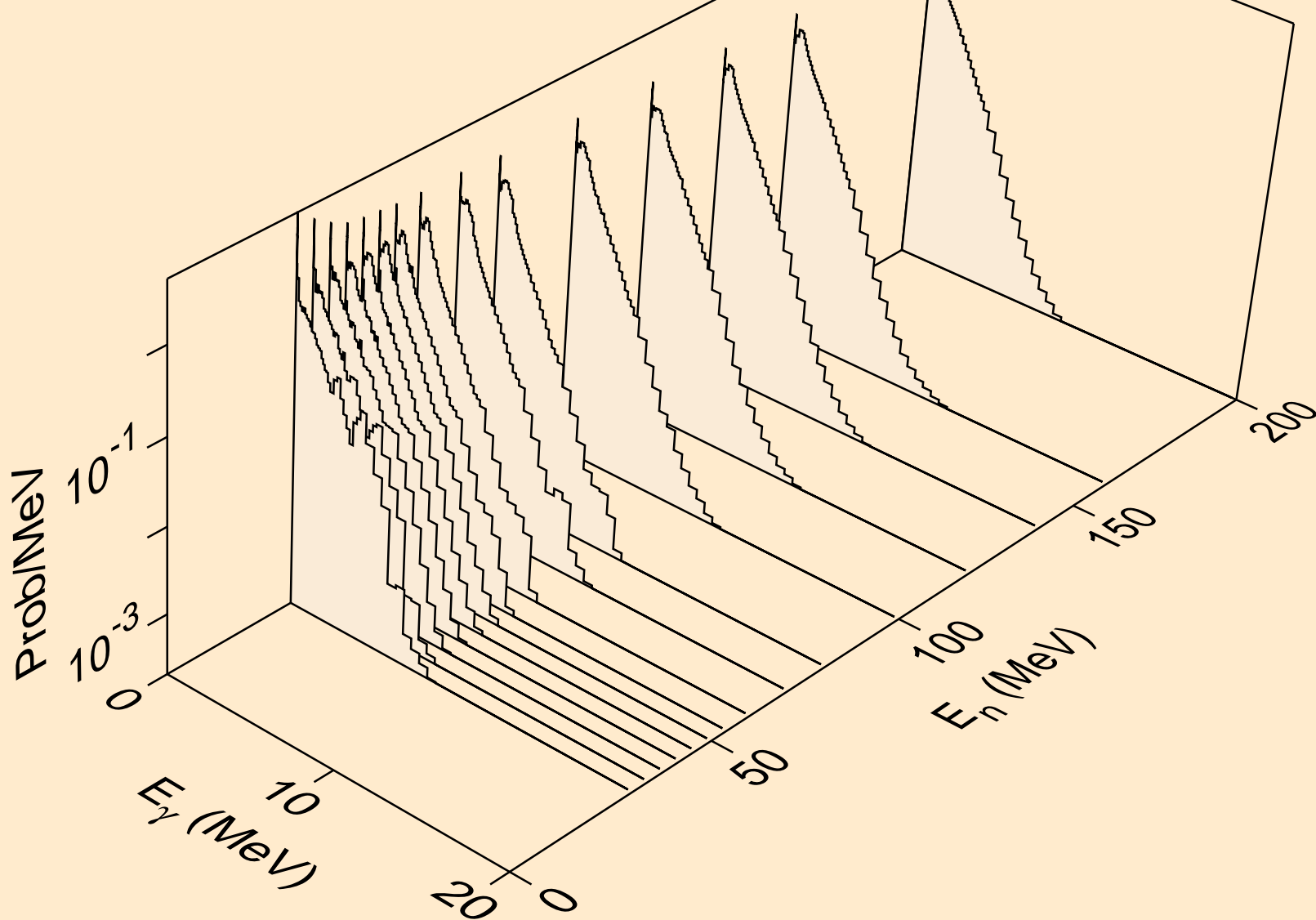
HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3np)



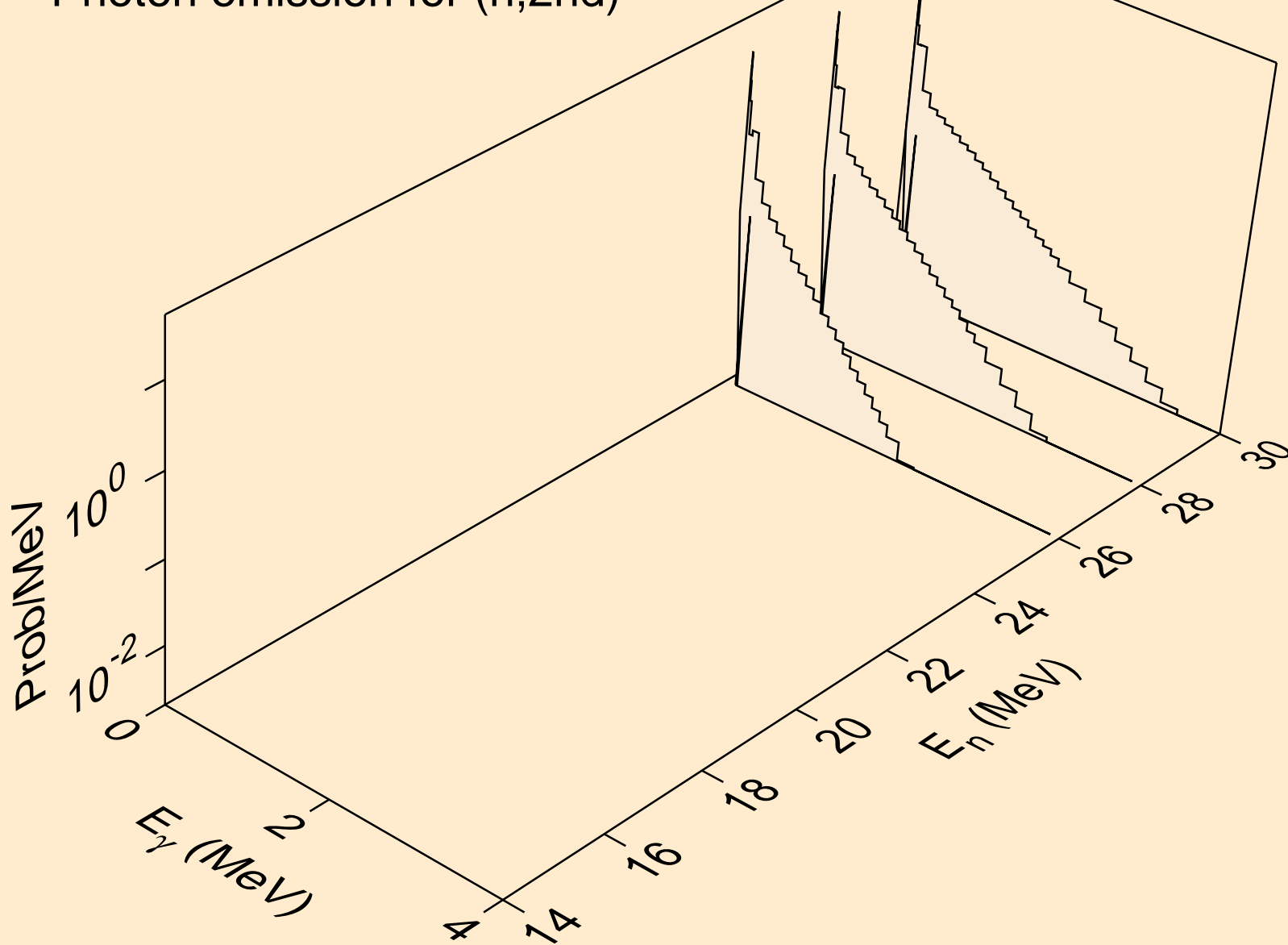
HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*c)



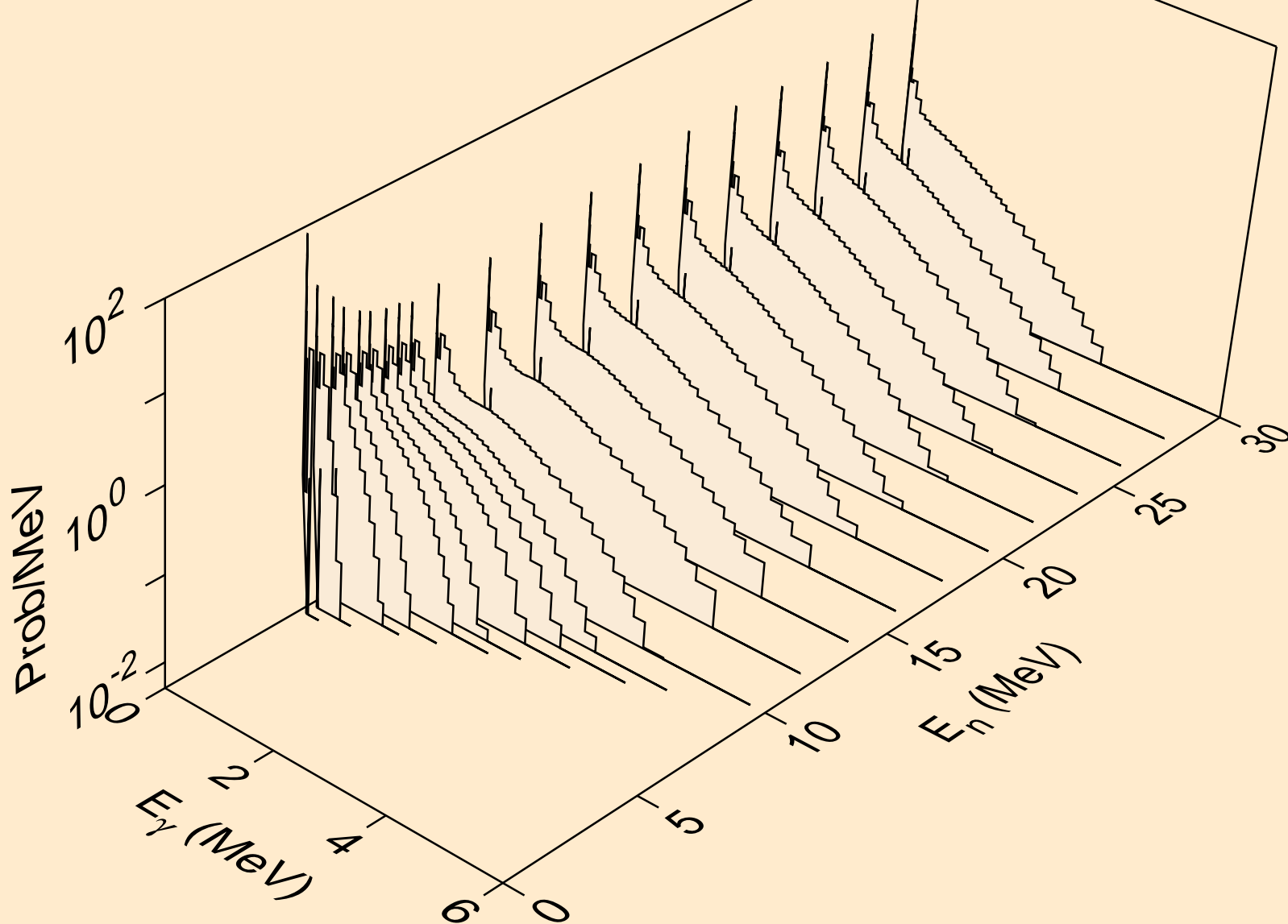
HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,x)



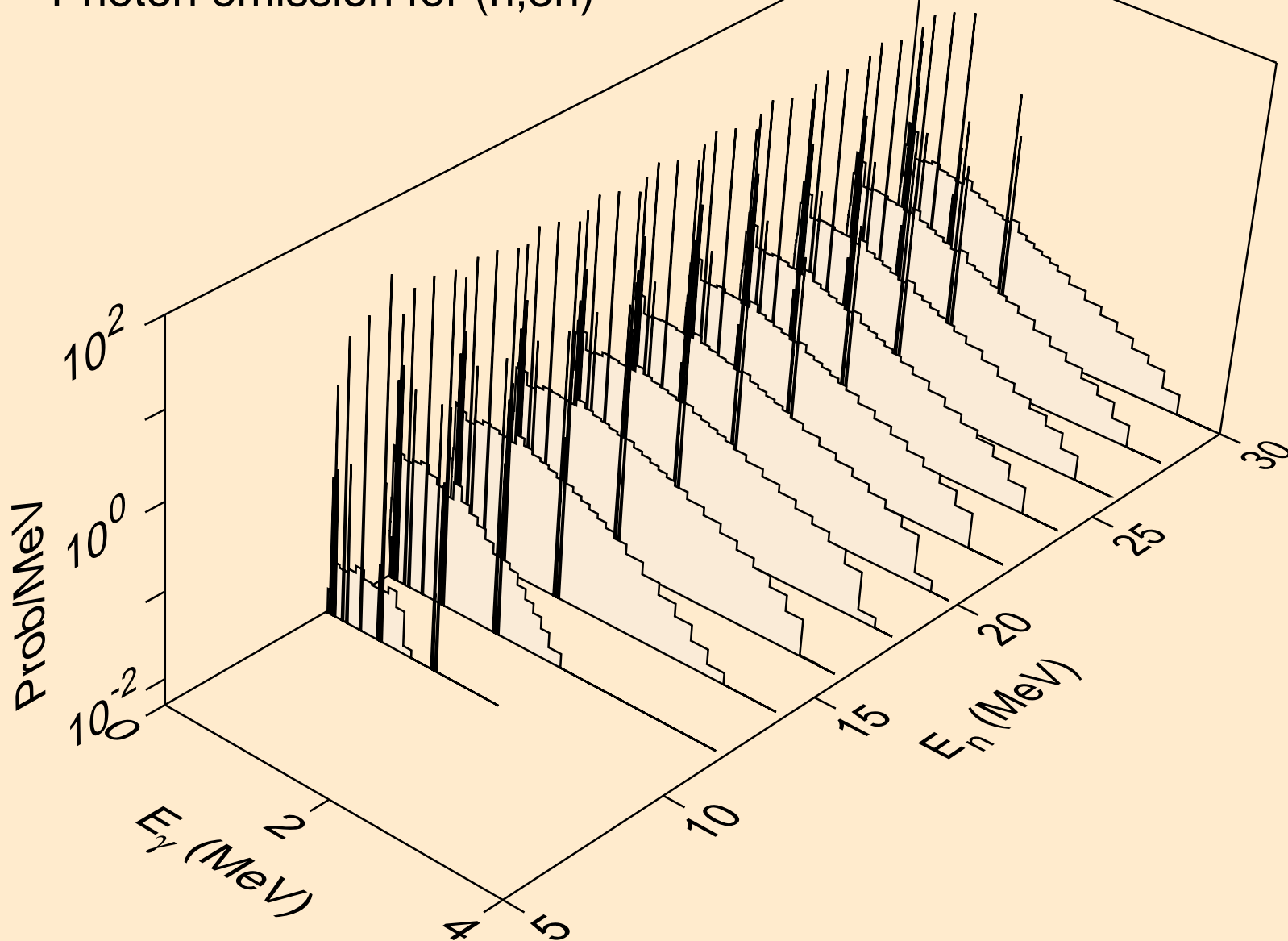
HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2nd)



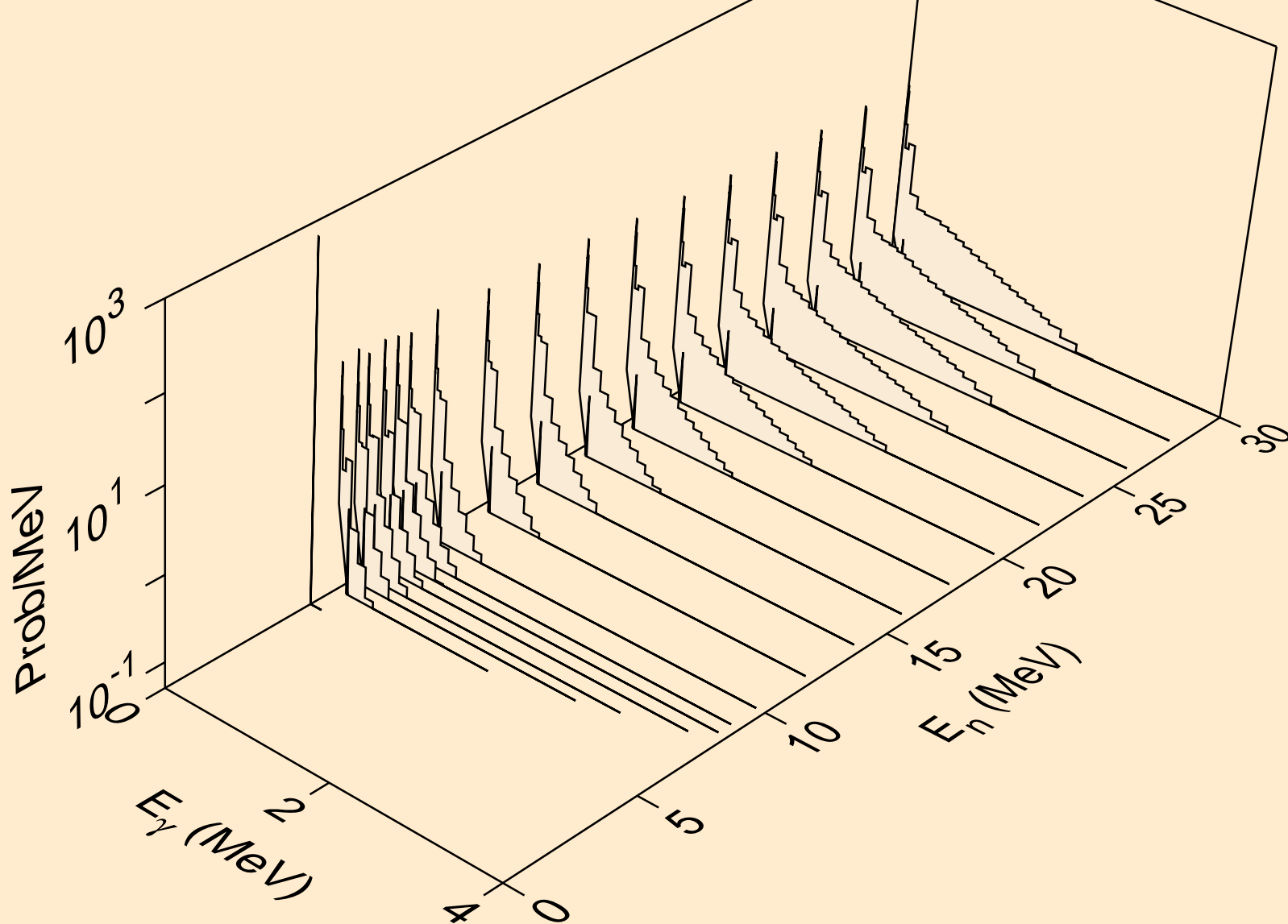
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Photon emission for (n,2n)



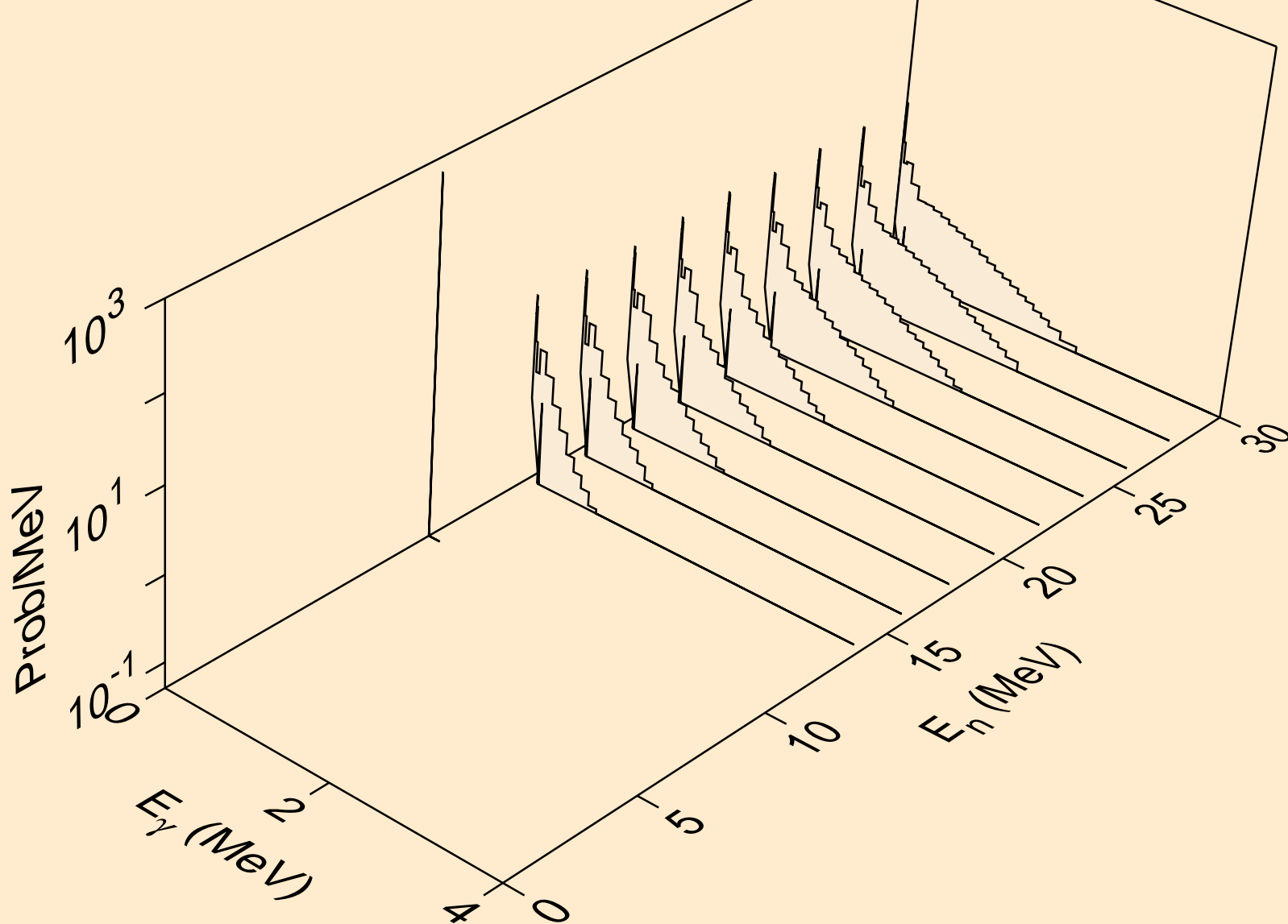
HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3n)



HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)a

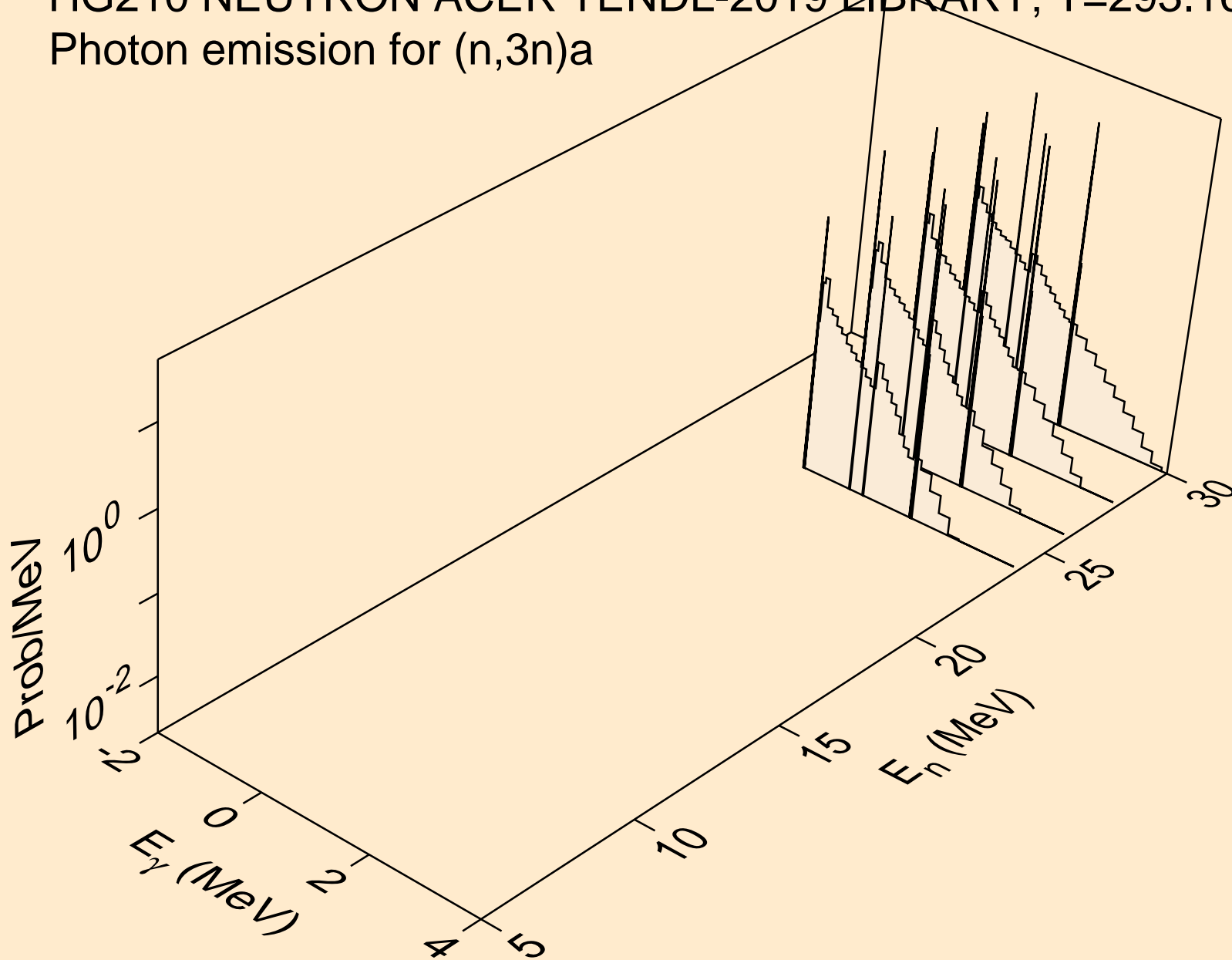


HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n)a

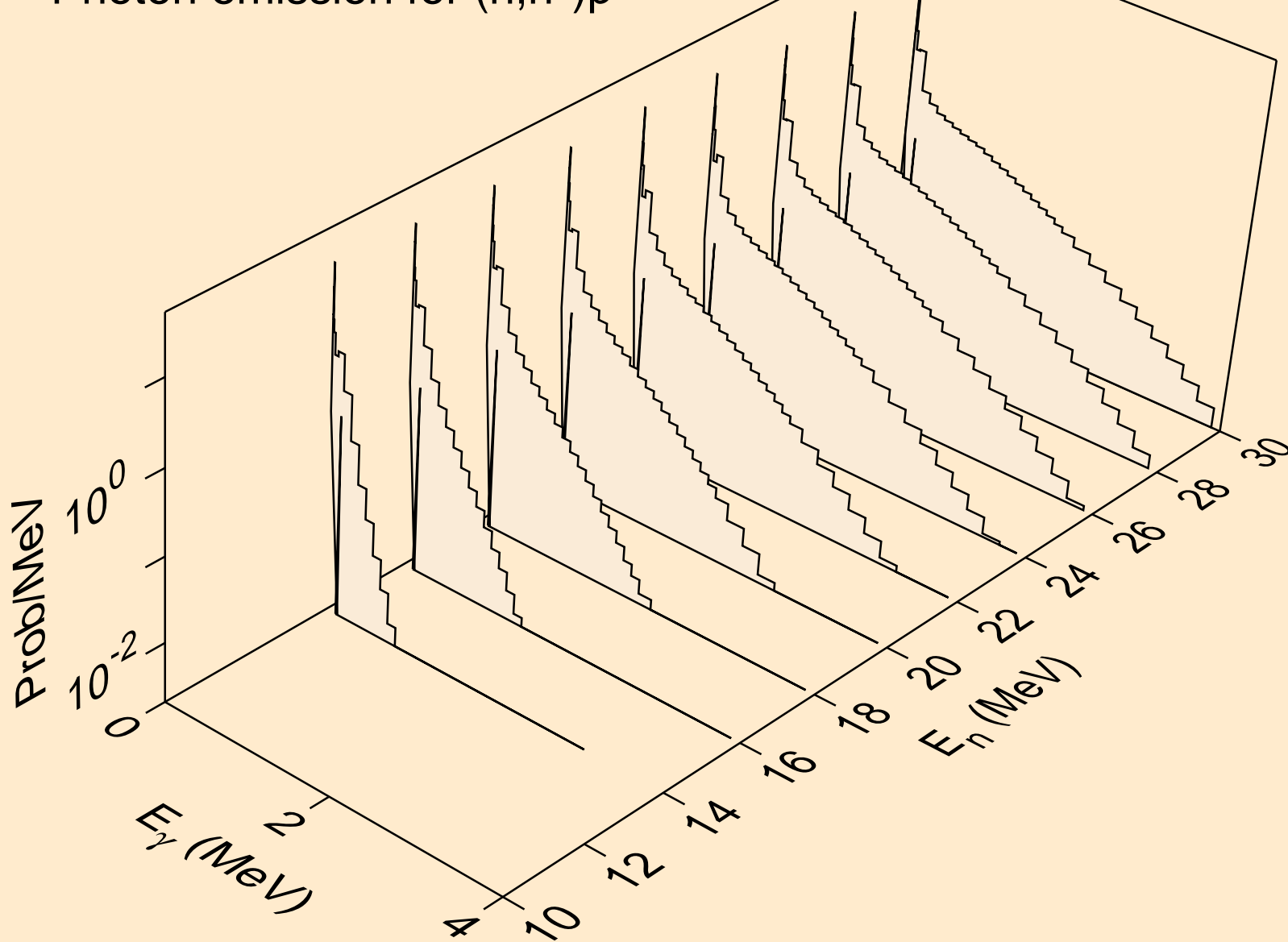




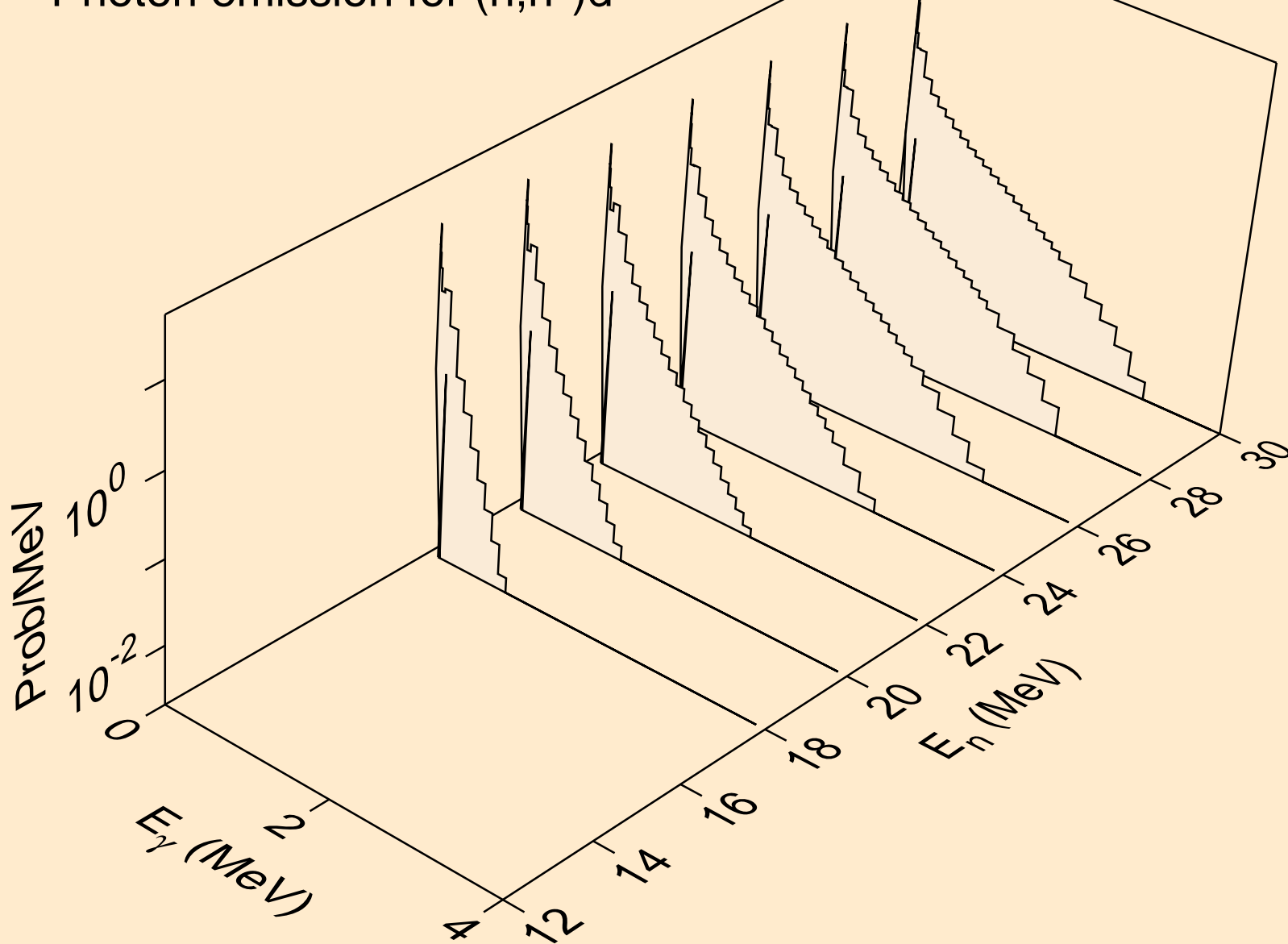
HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3n)a



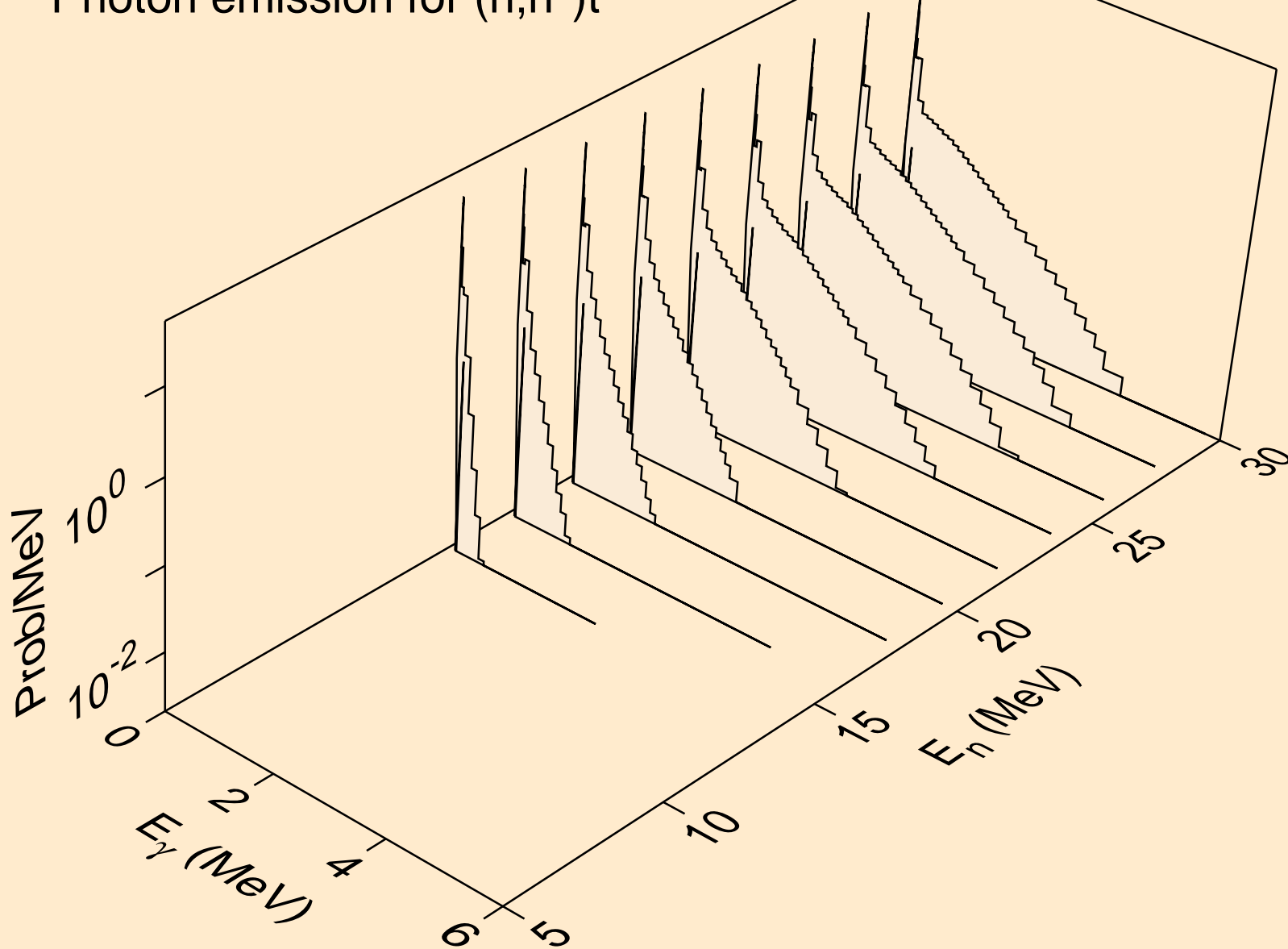
HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)p



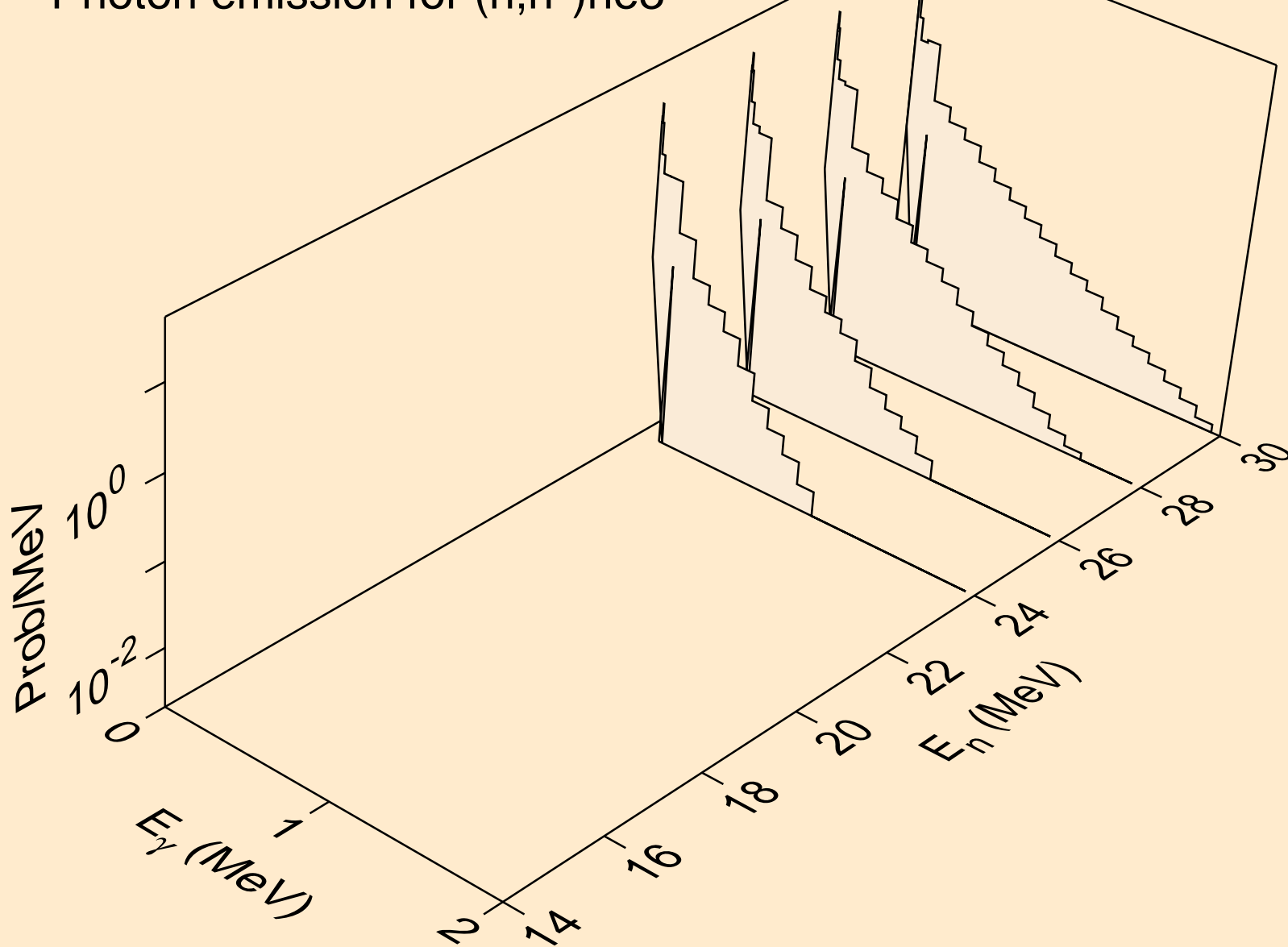
HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)d



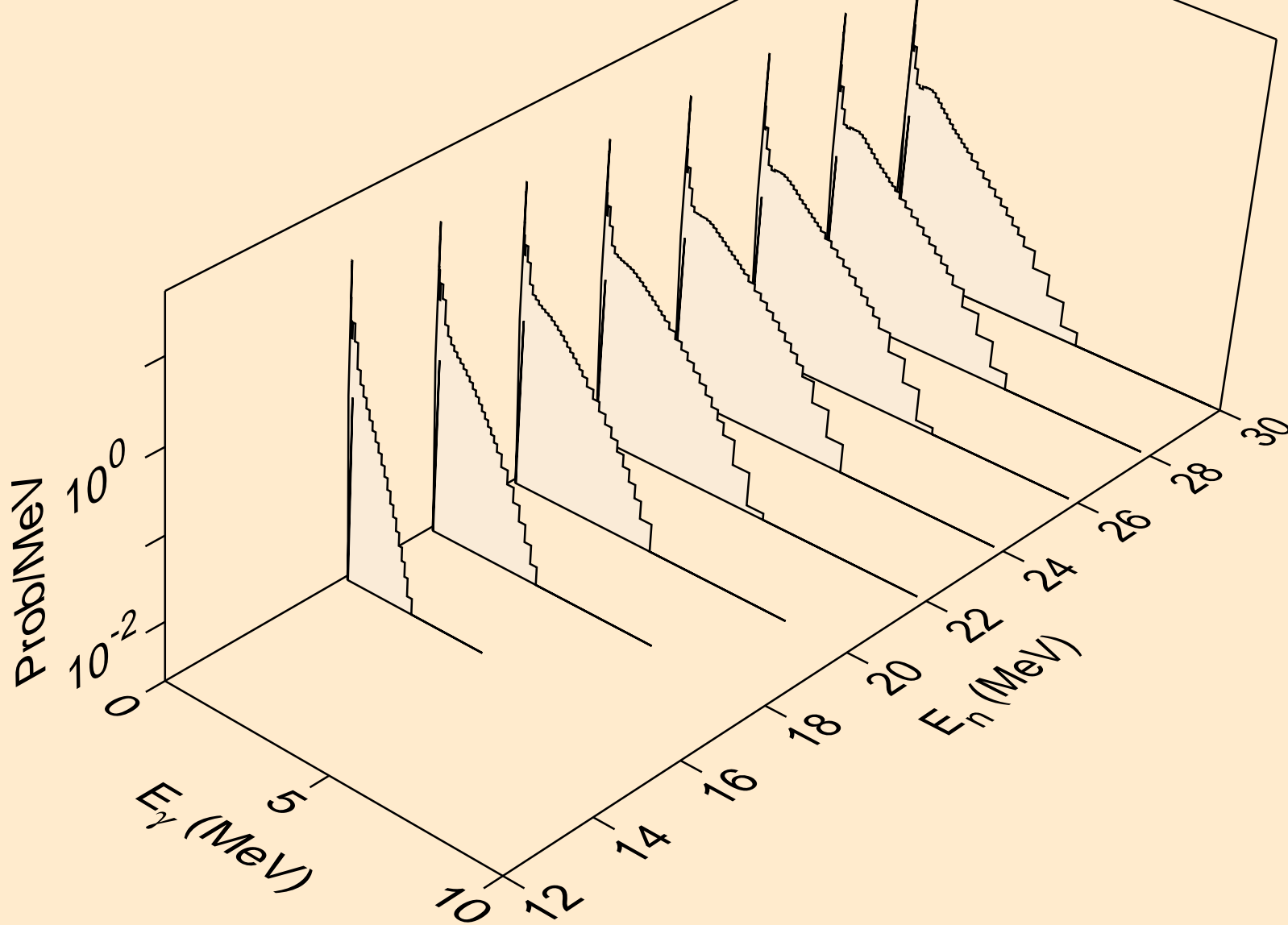
HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)t



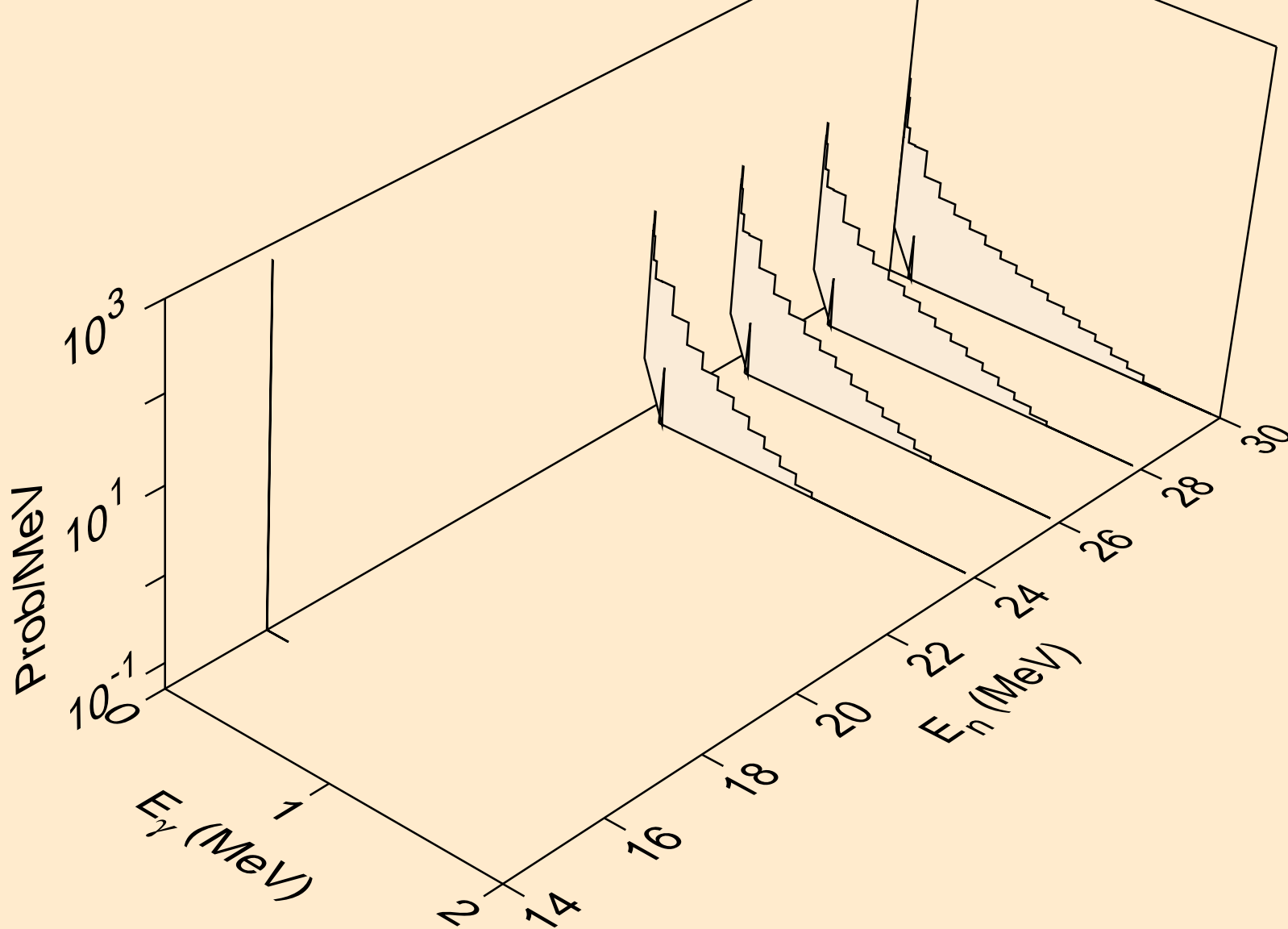
HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)he3



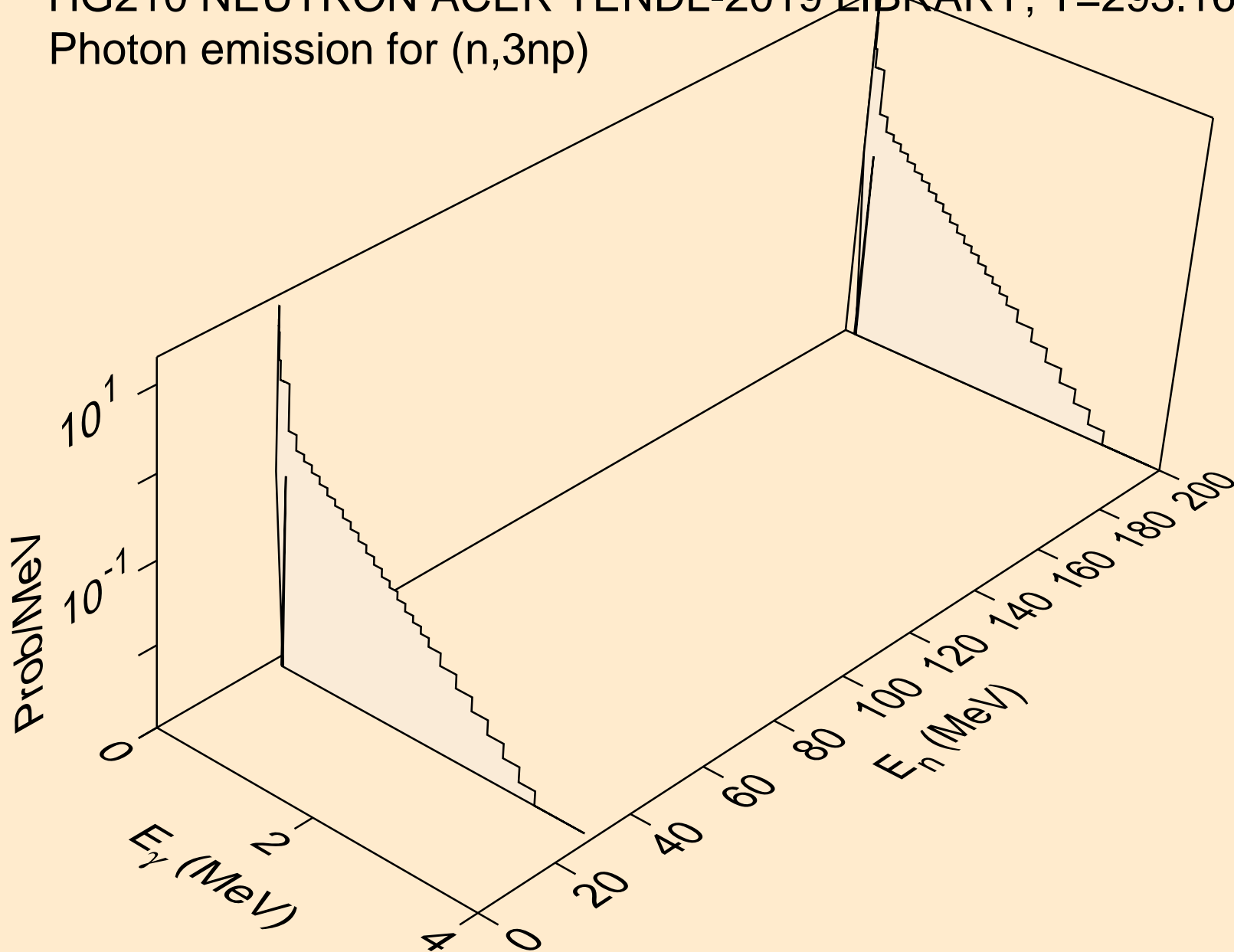
HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,4n)



HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2np)

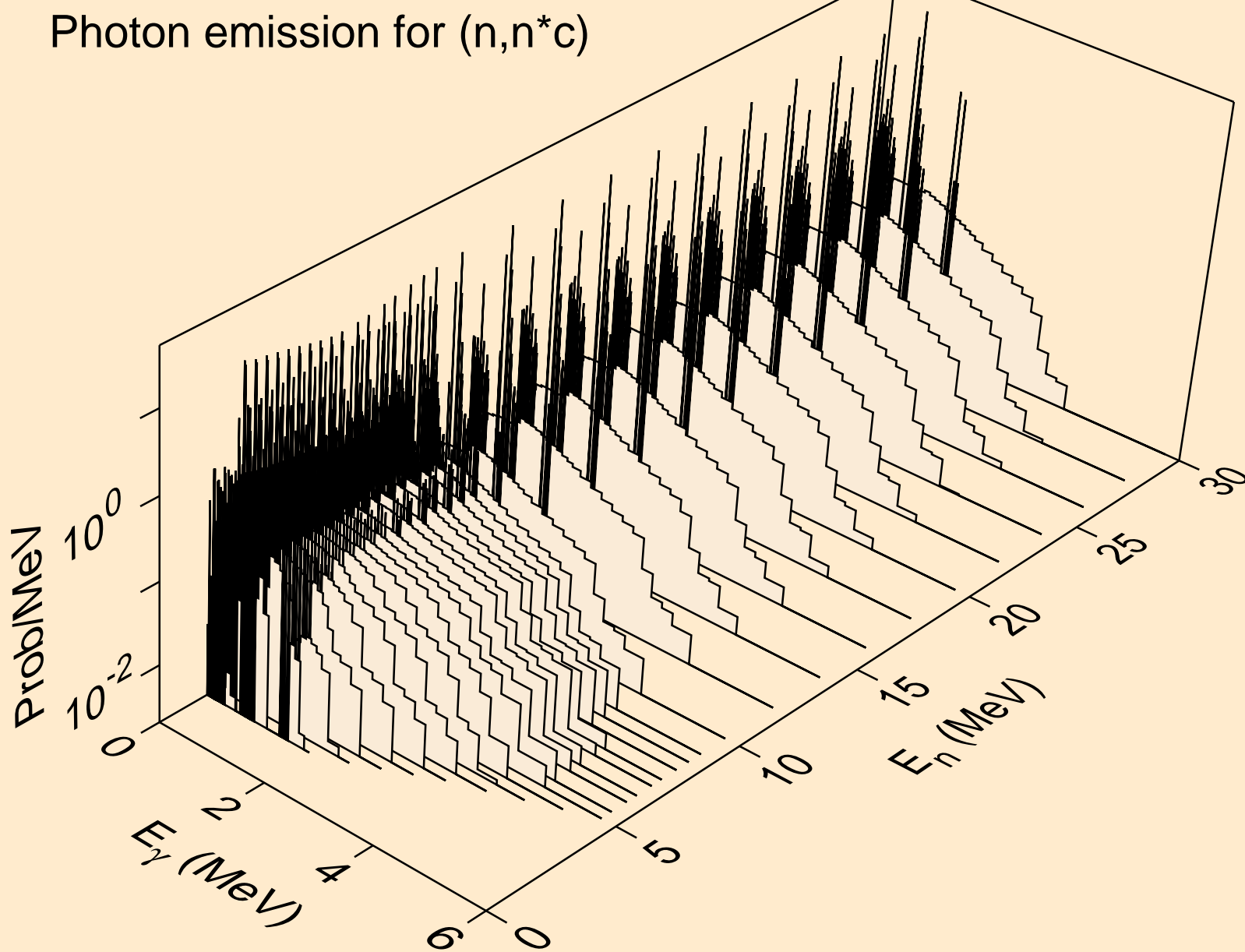


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Photon emission for (n,3np)

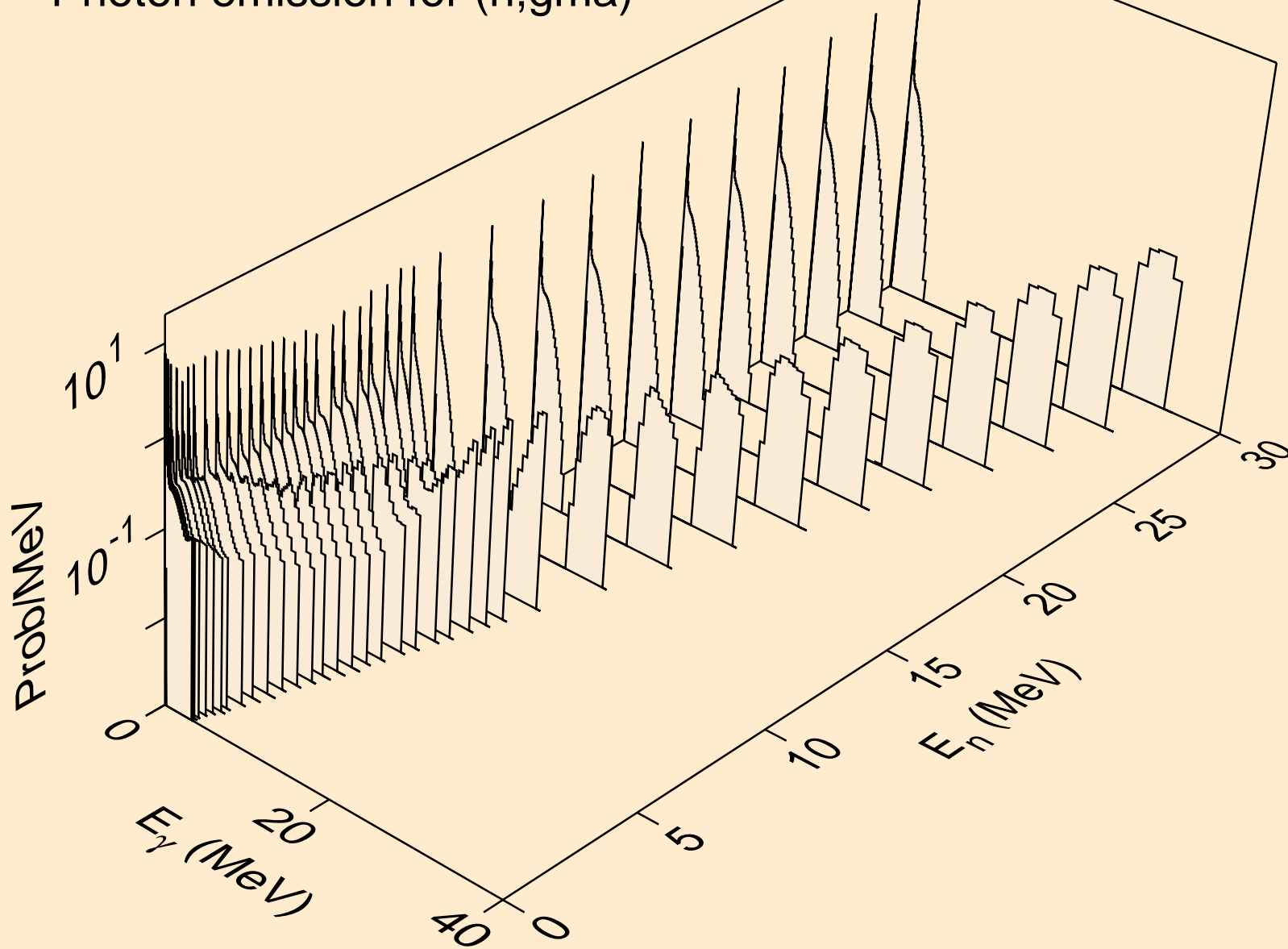




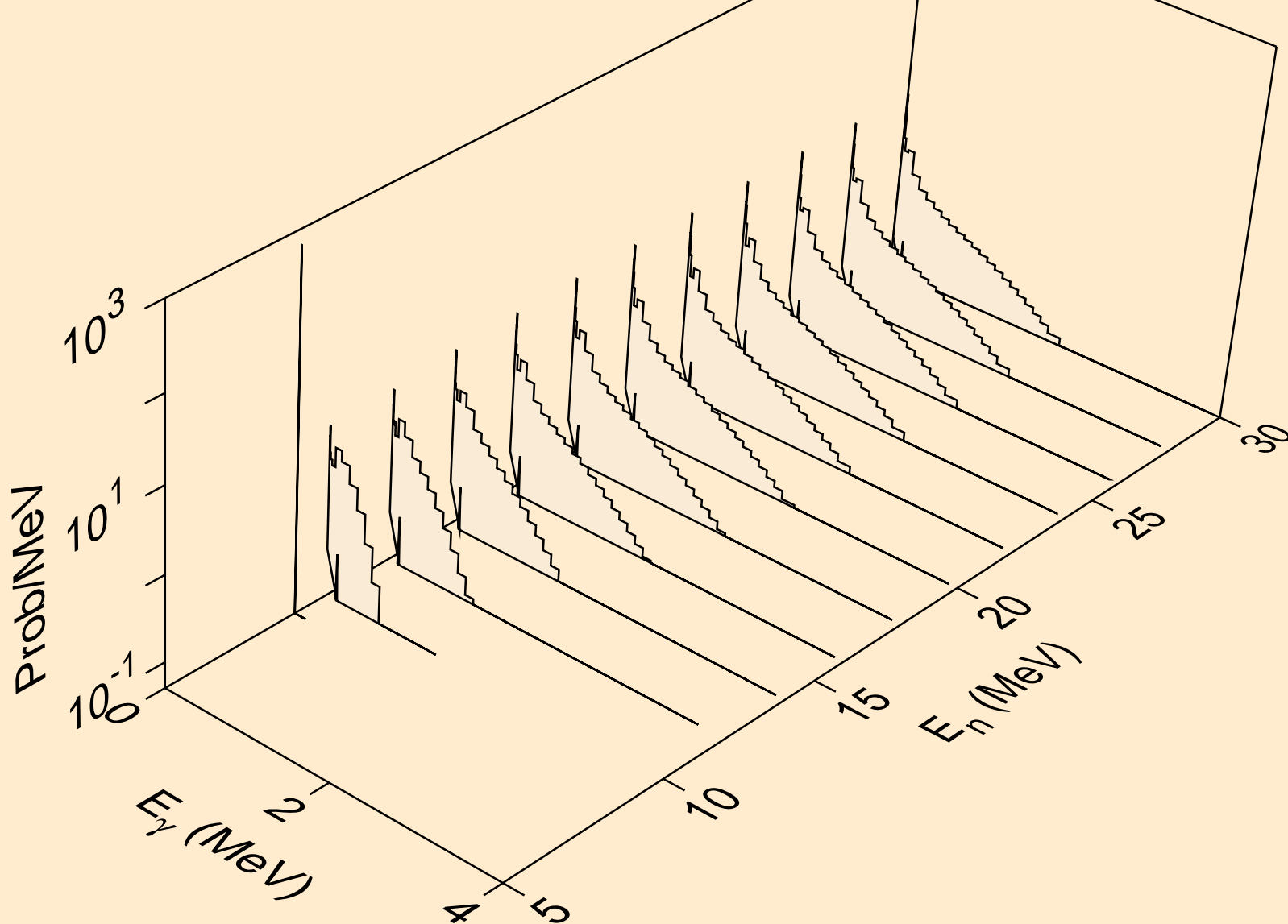
HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*c)



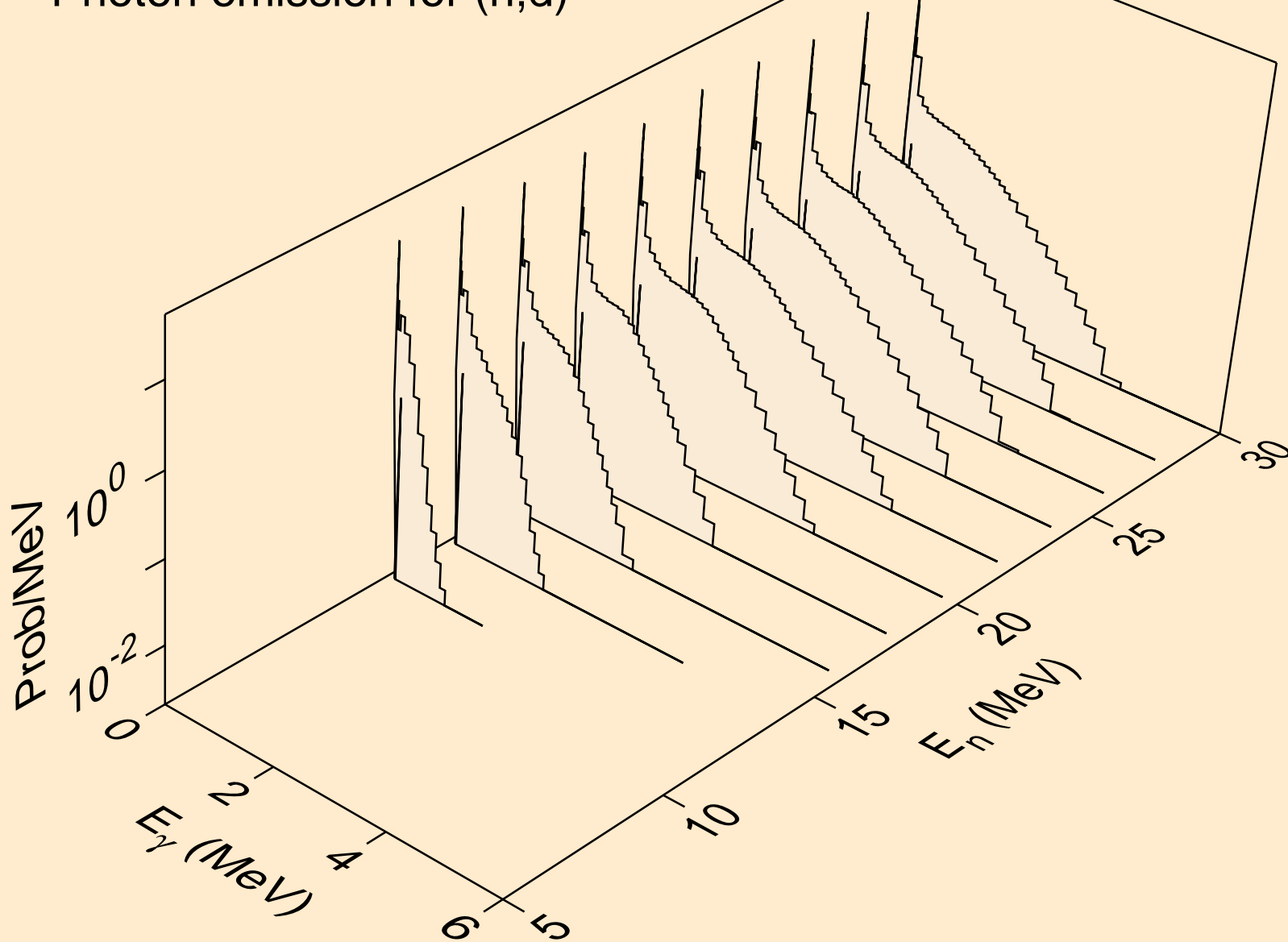
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Photon emission for (n,gma)



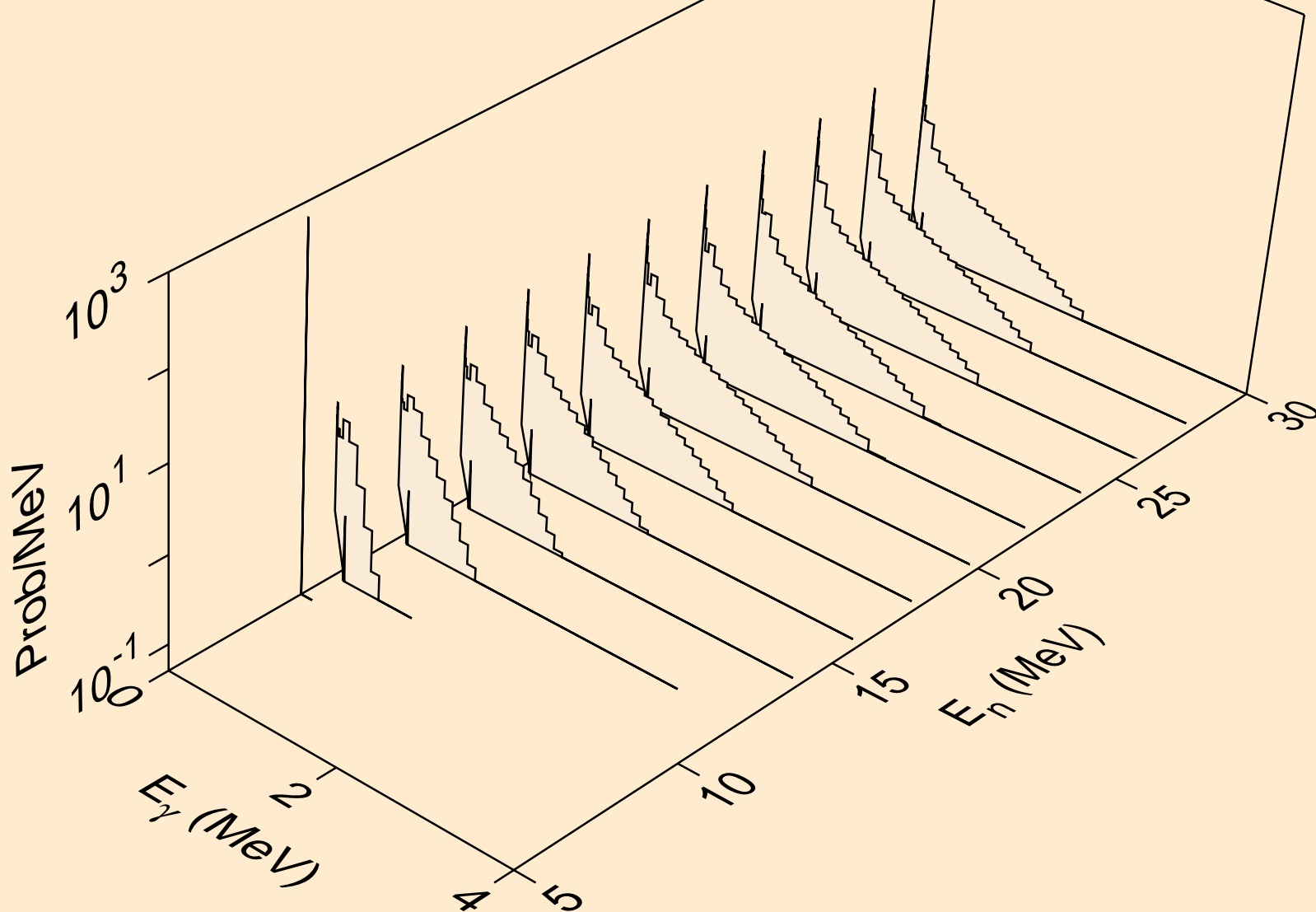
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Photon emission for (n,p)



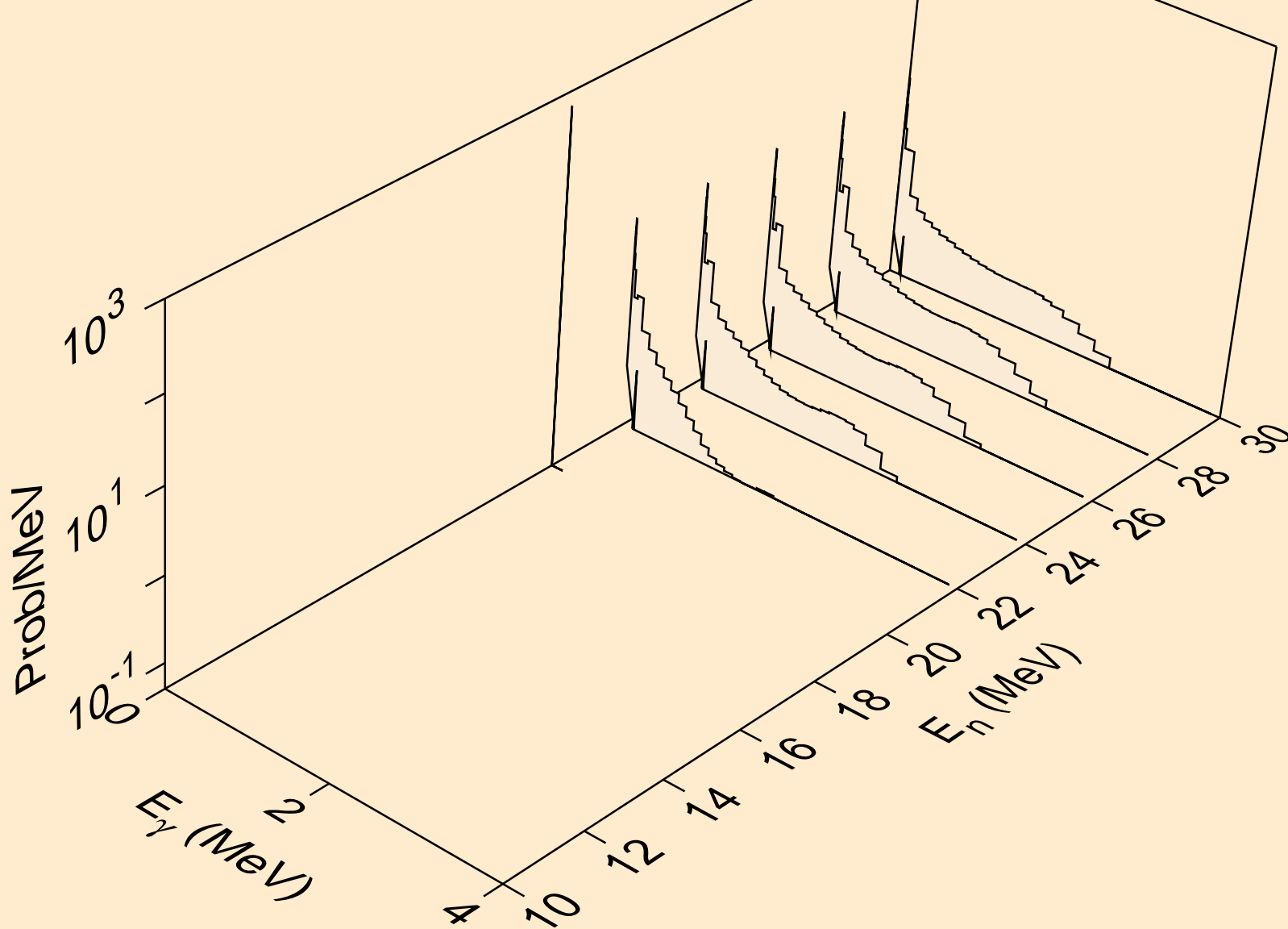
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Photon emission for (n,d)



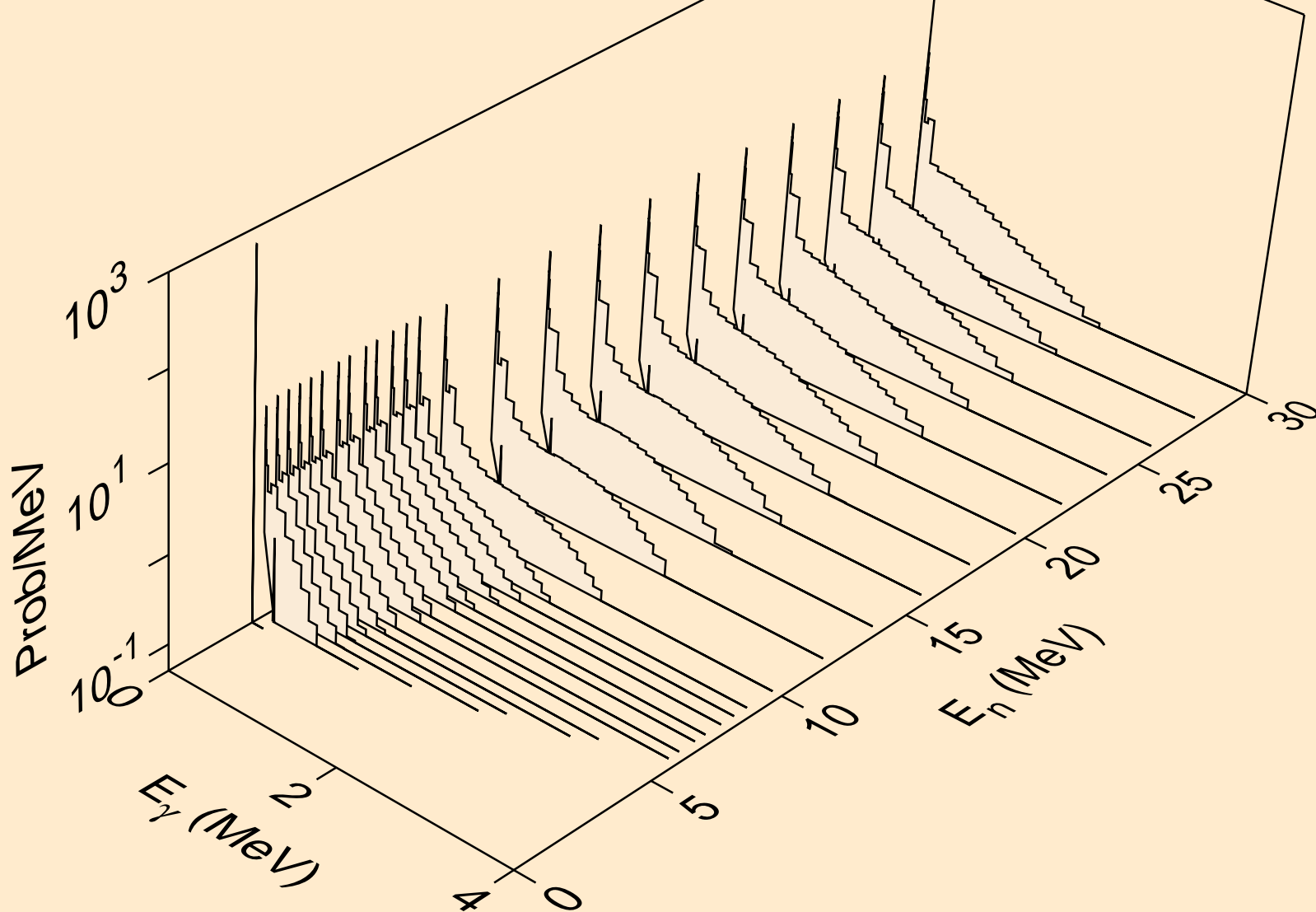
HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,t)



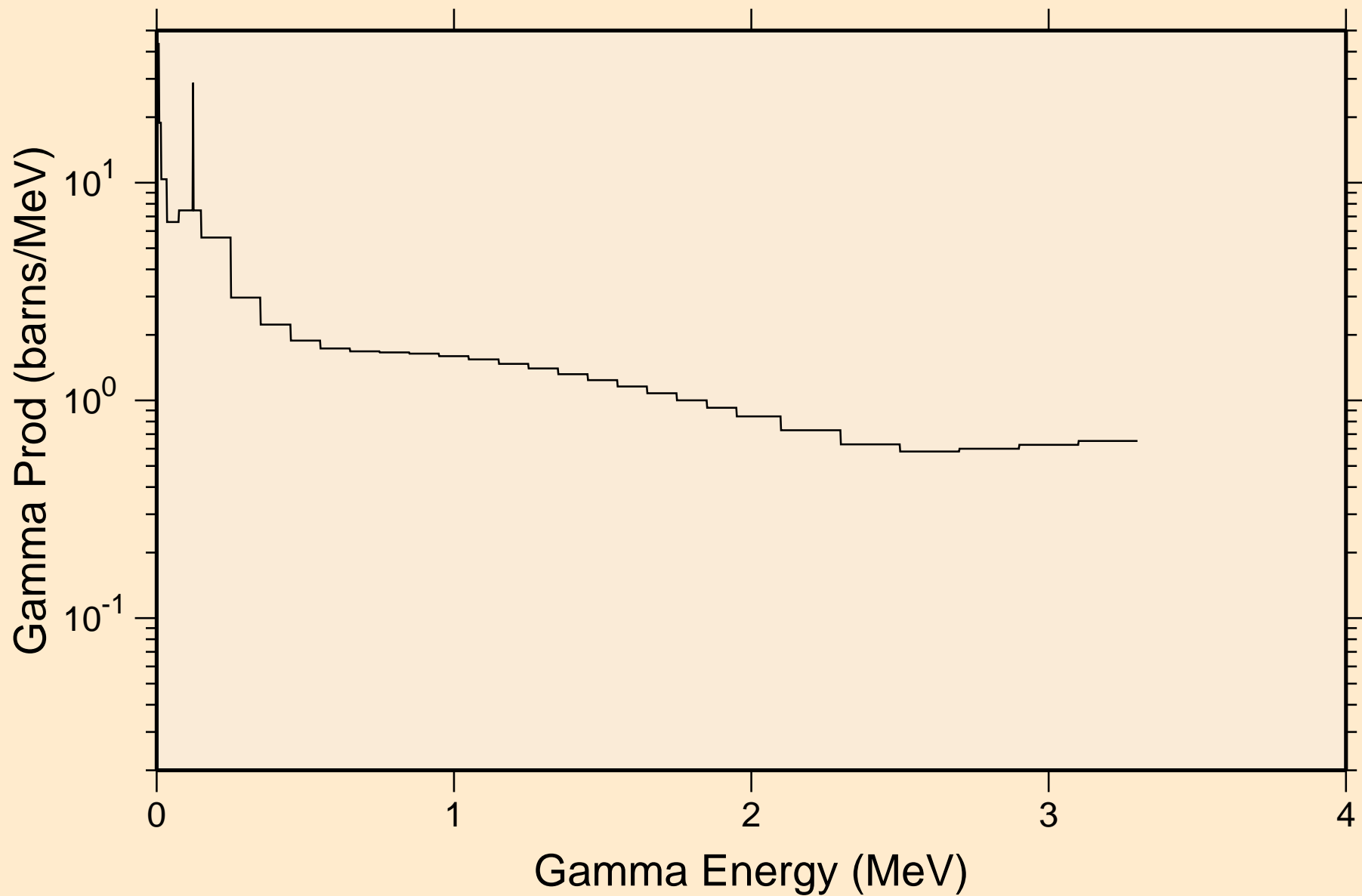
HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,he3)



HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,a)

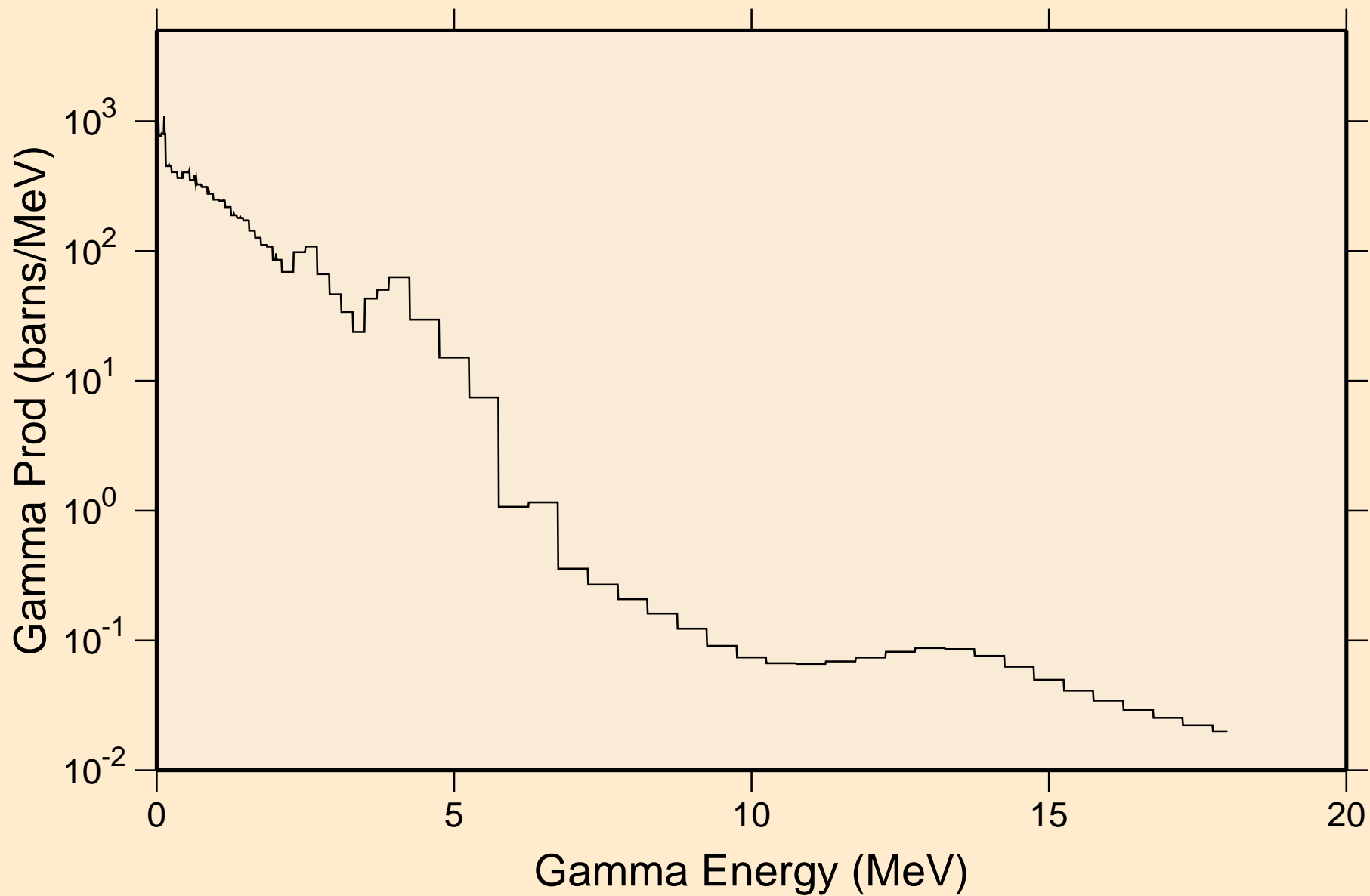


HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
thermal capture photon spectrum



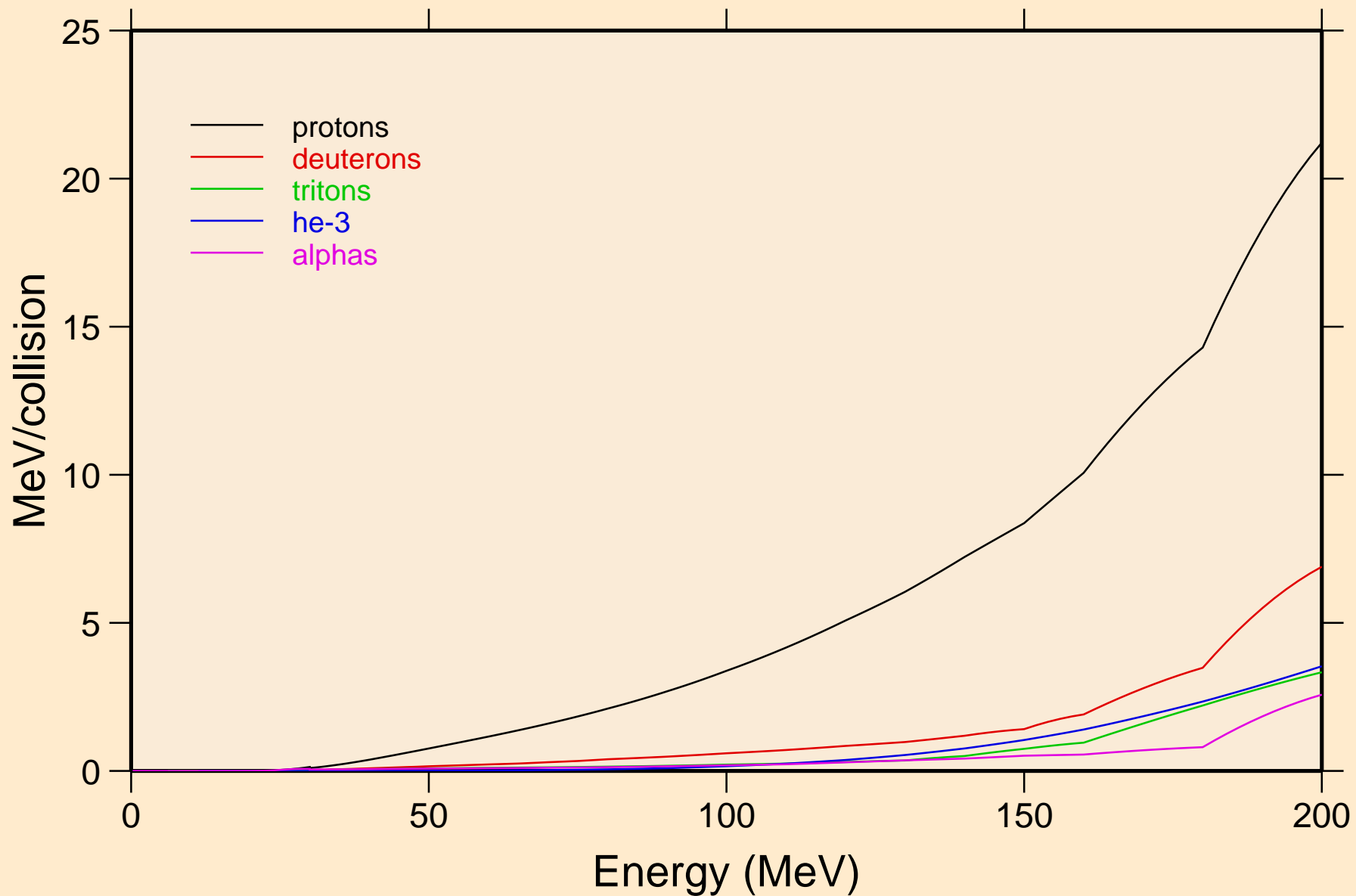


HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
14 MeV photon spectrum

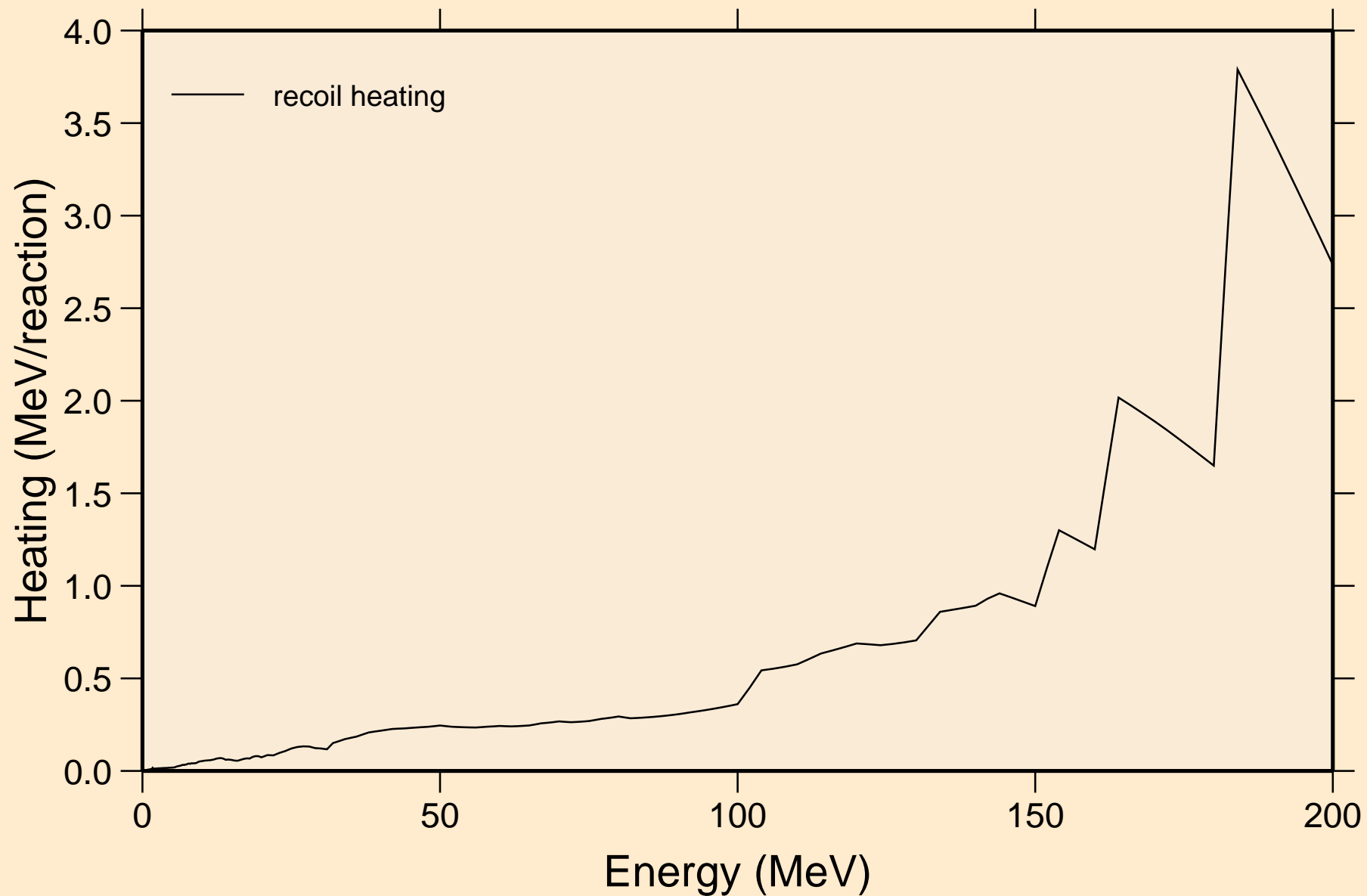


# HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

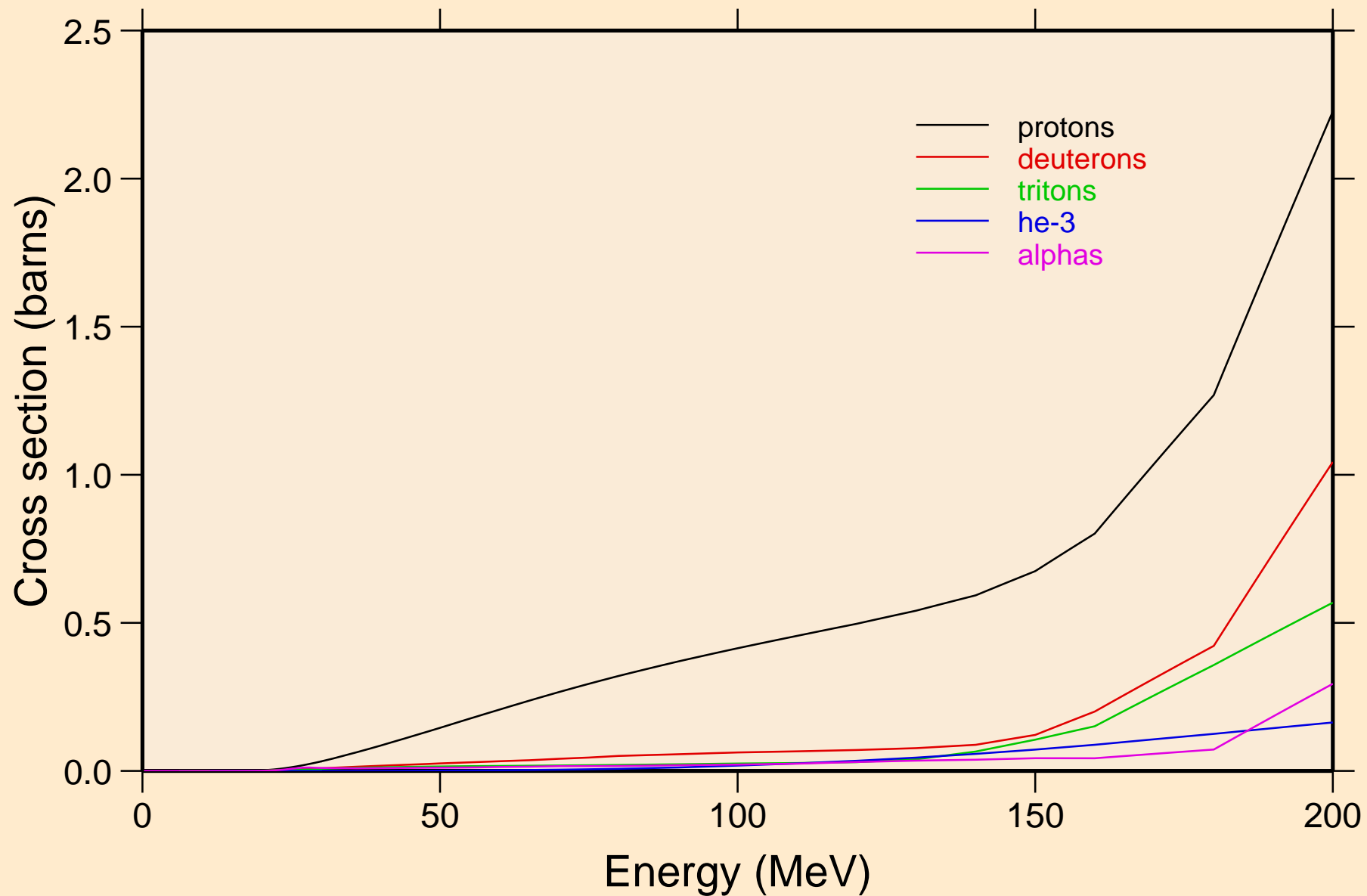
## Particle heating contributions



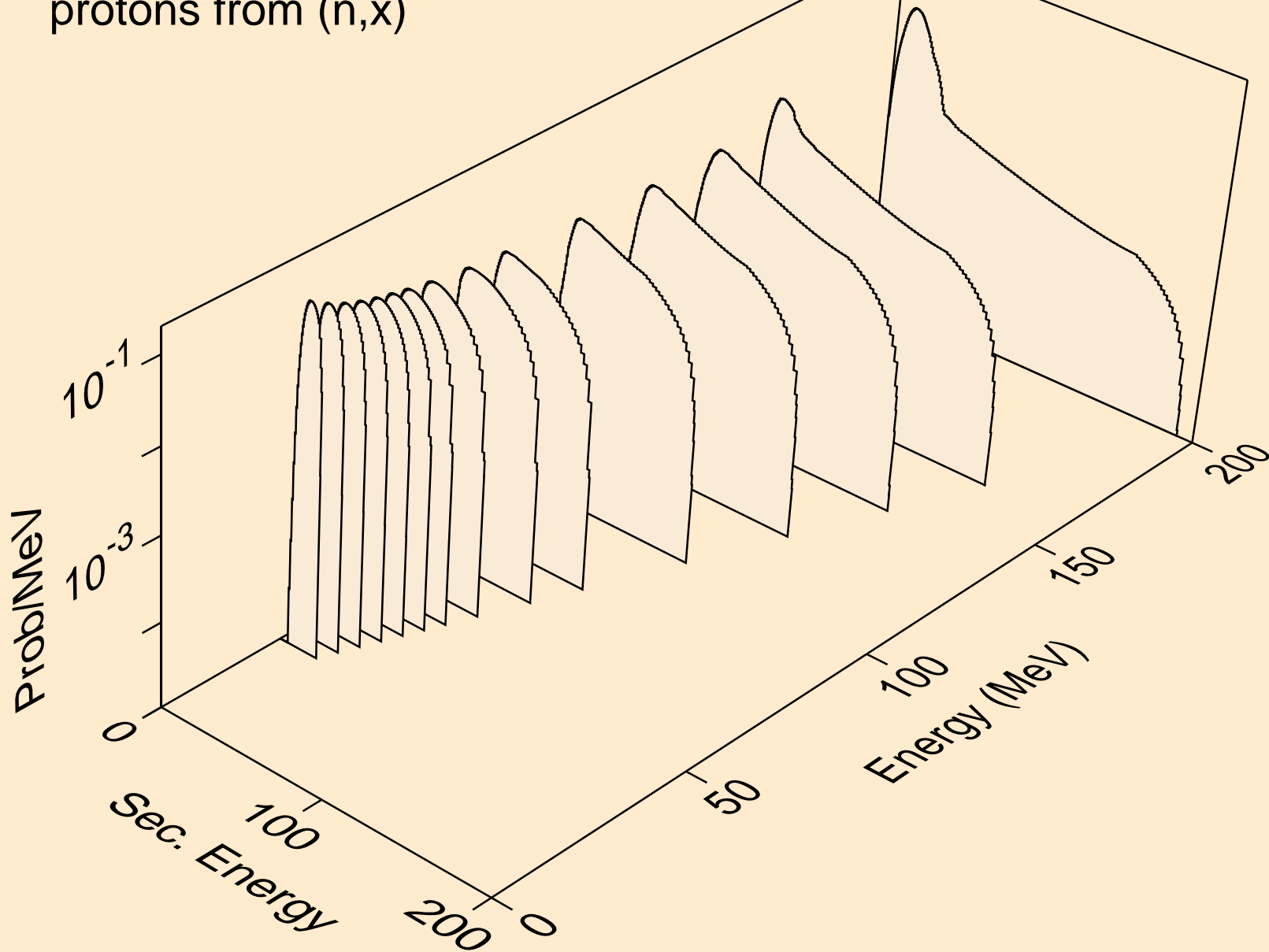
HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Recoil Heating



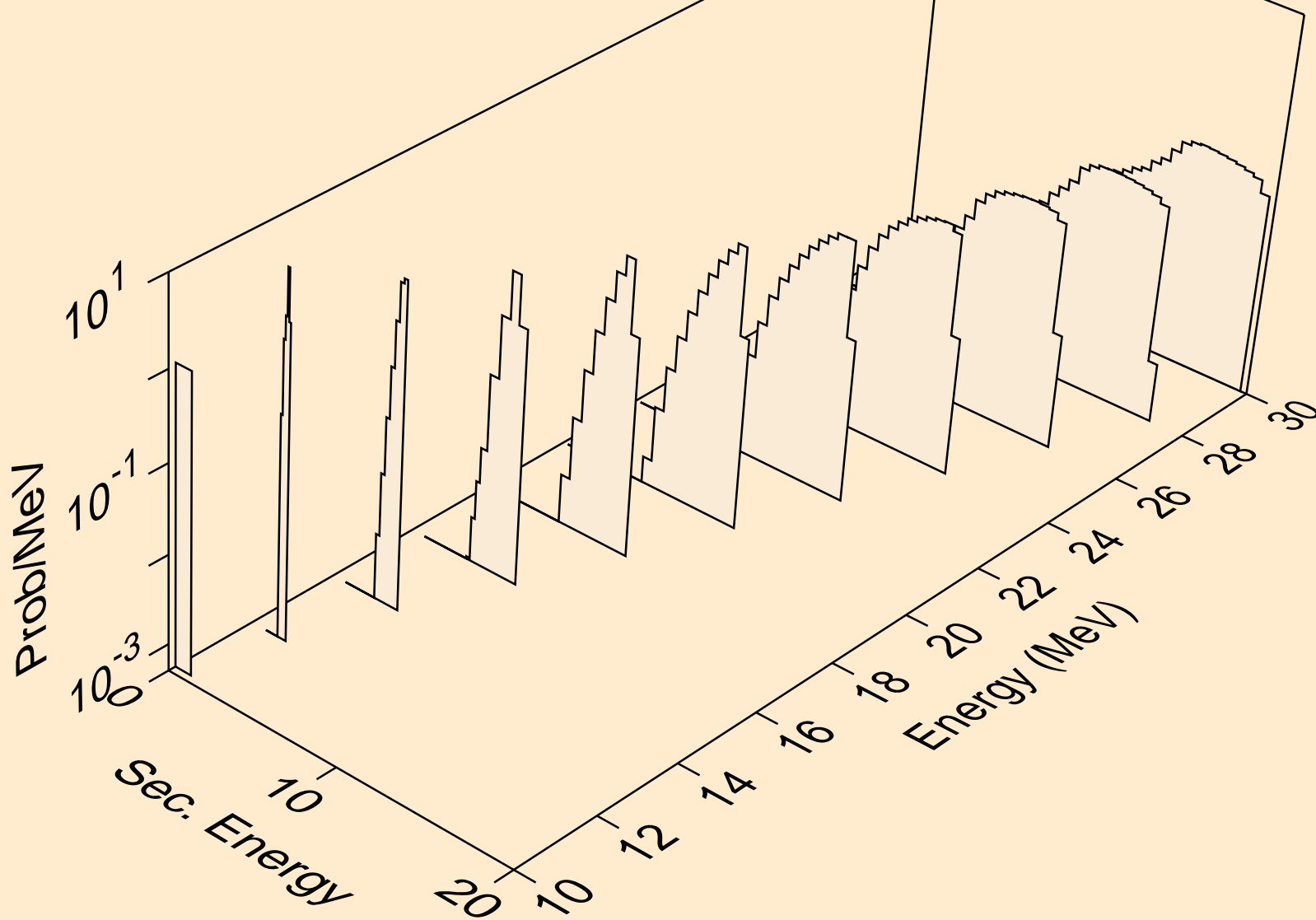
HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Particle production cross sections



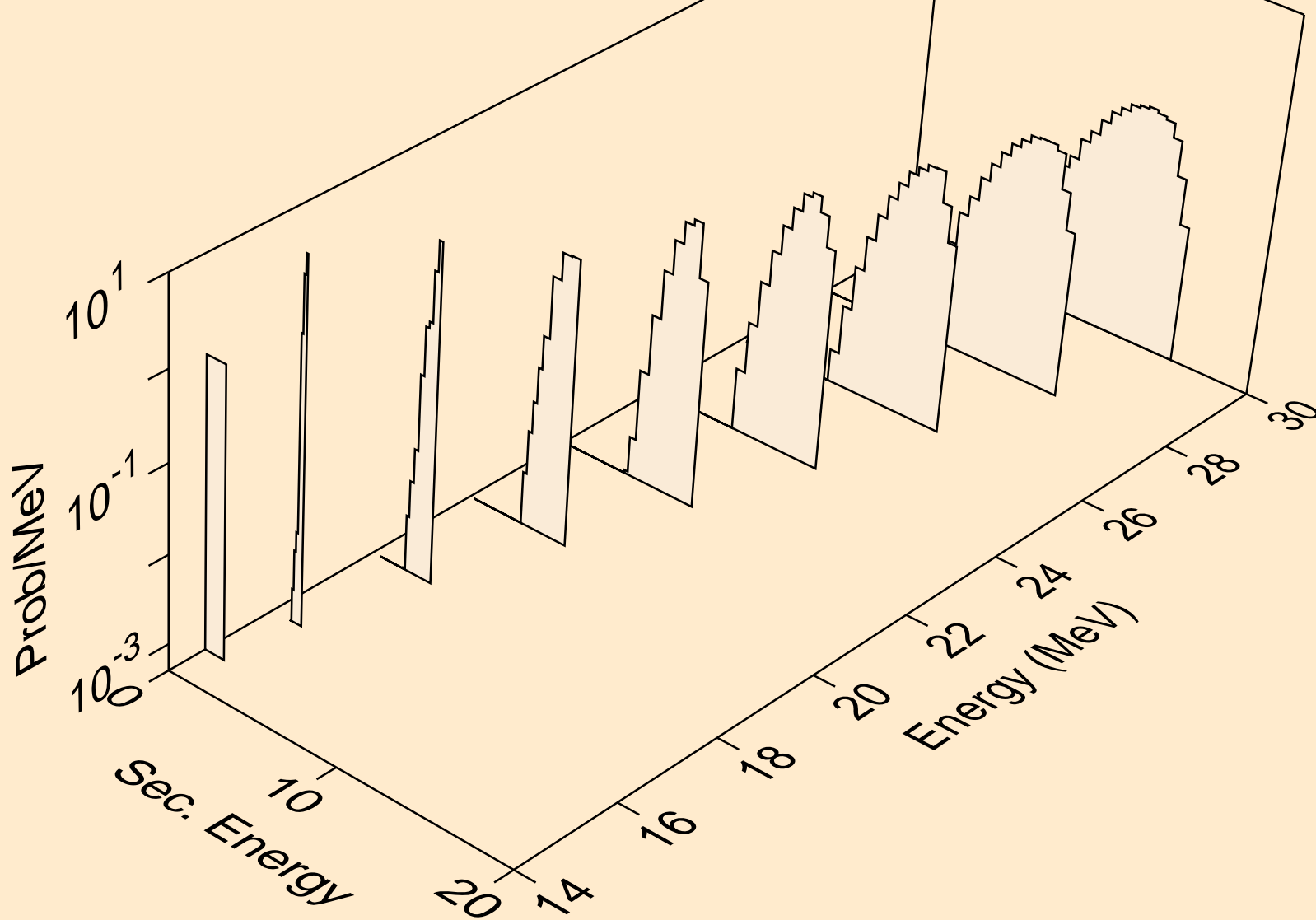
HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,x)



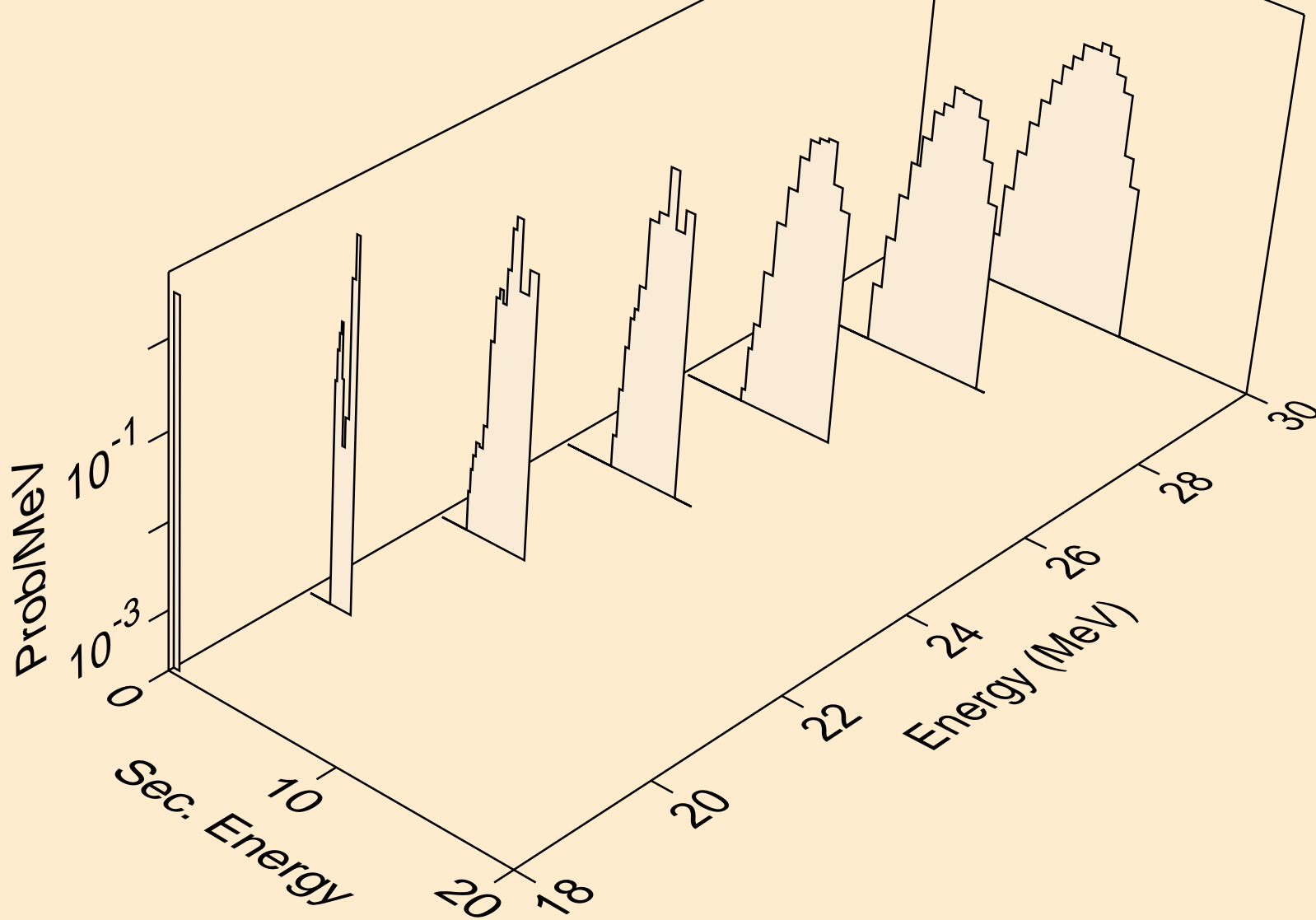
HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,n\*)p



HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,2np)

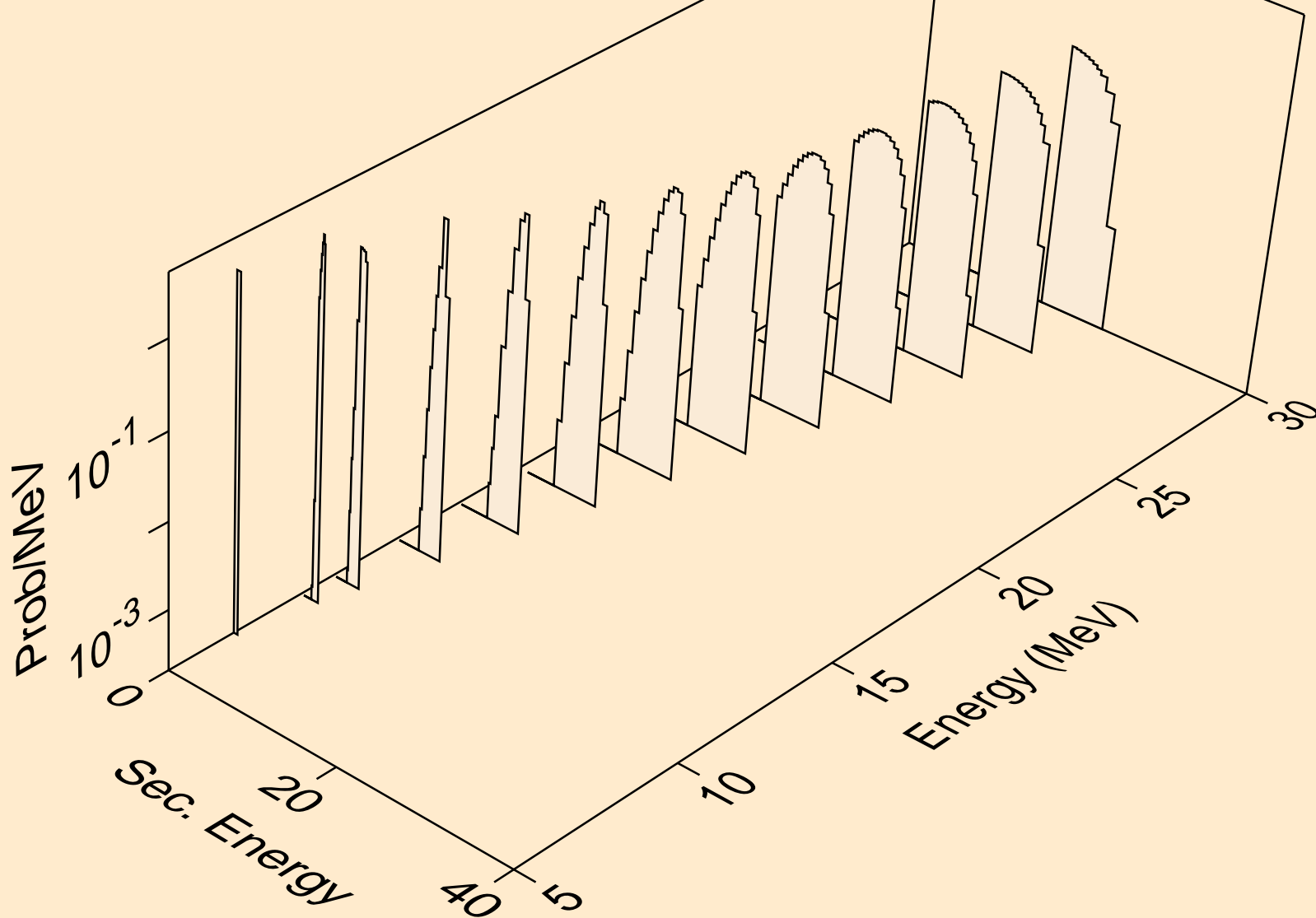


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protons from (n,3np)

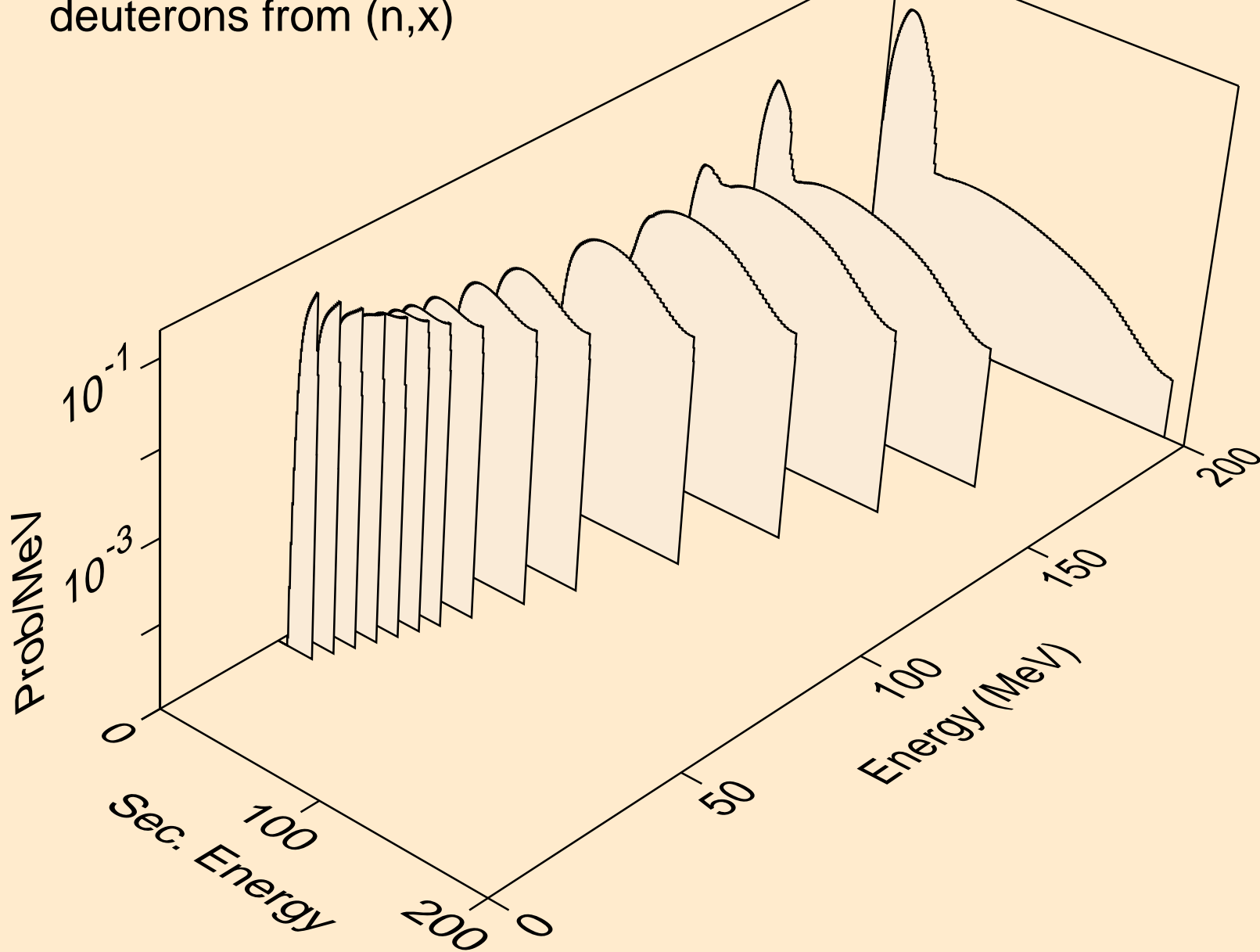




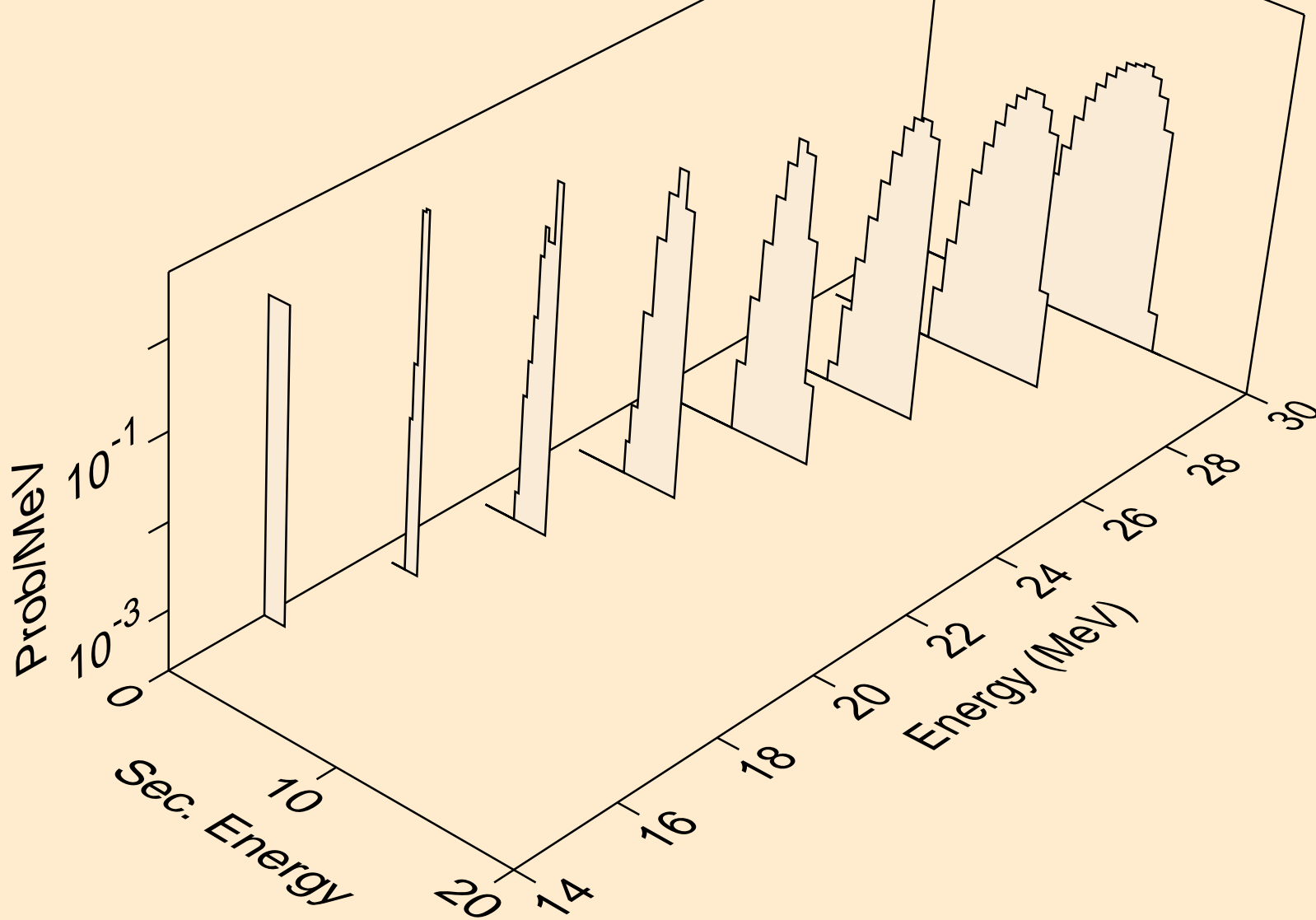
HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,p)



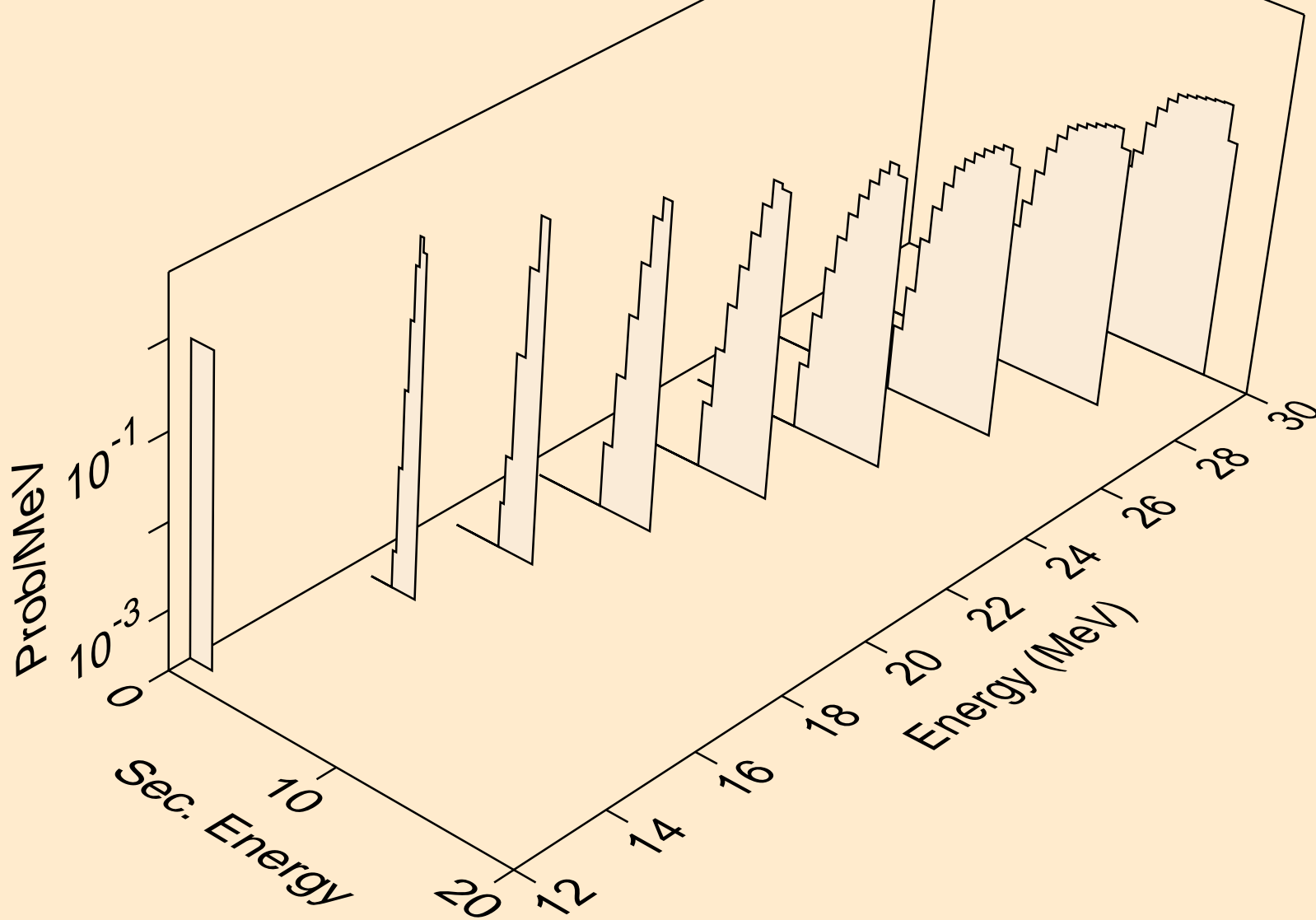
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deuterons from (n,x)



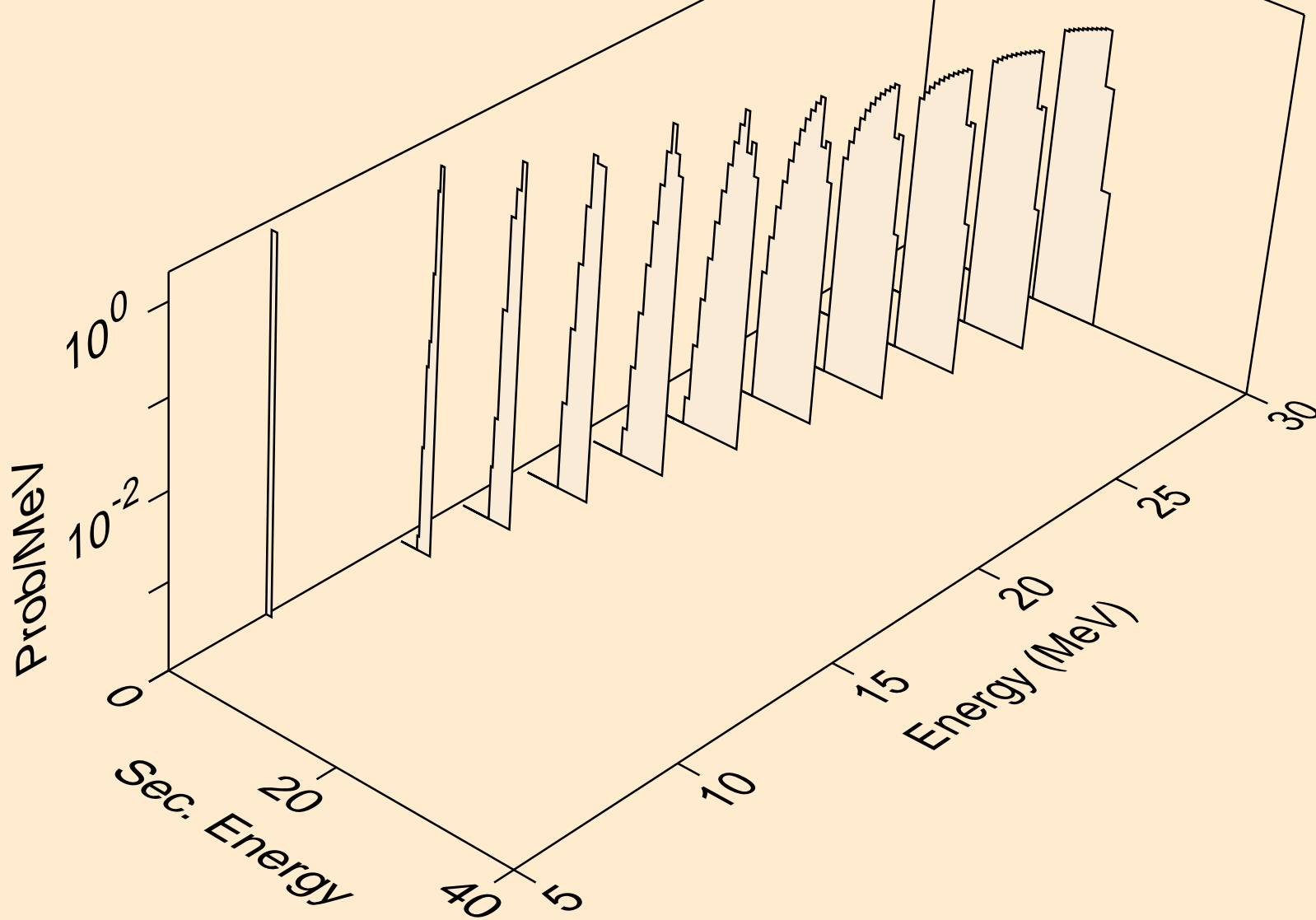
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deuterons from (n,2nd)



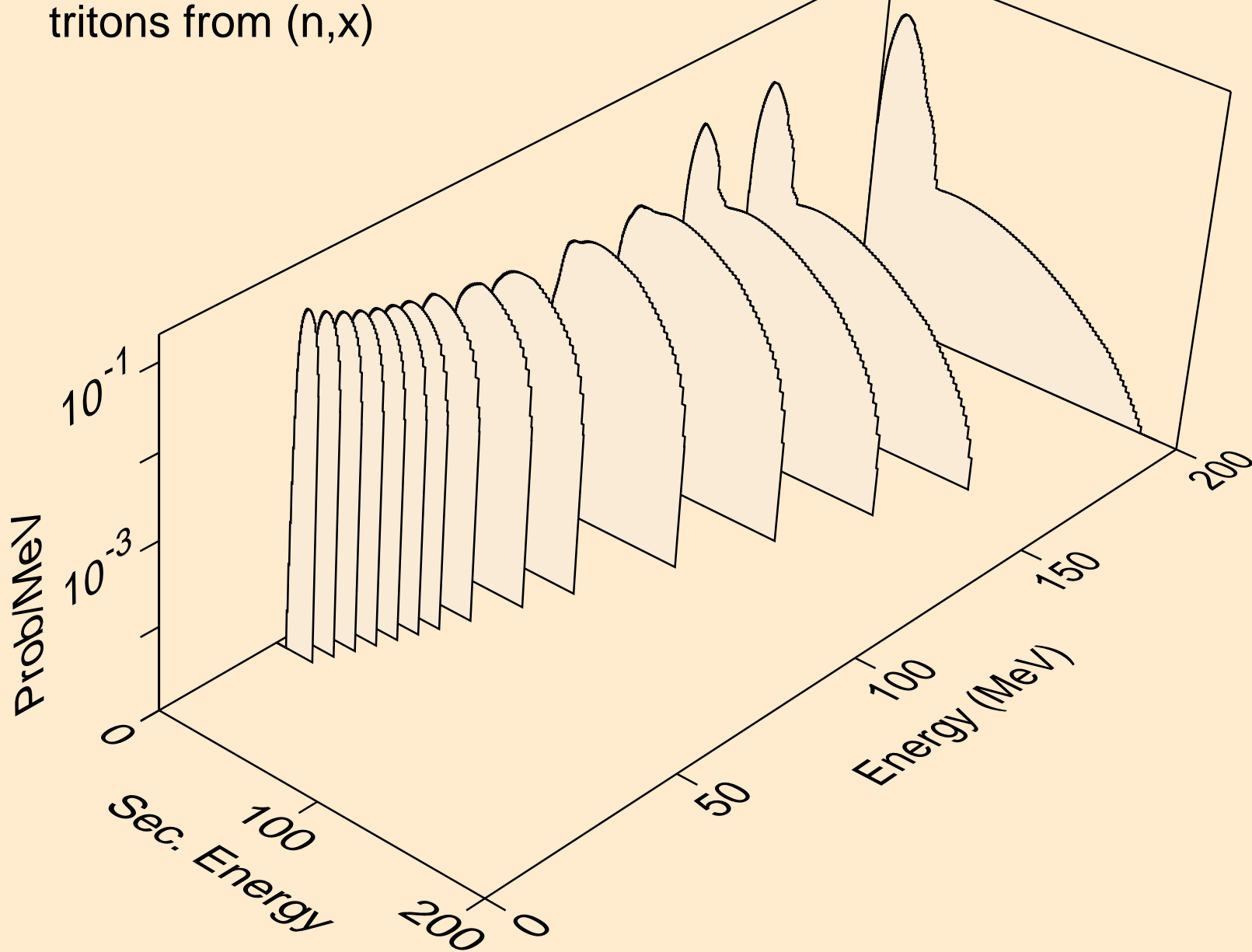
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deuterons from (n,n\*)d



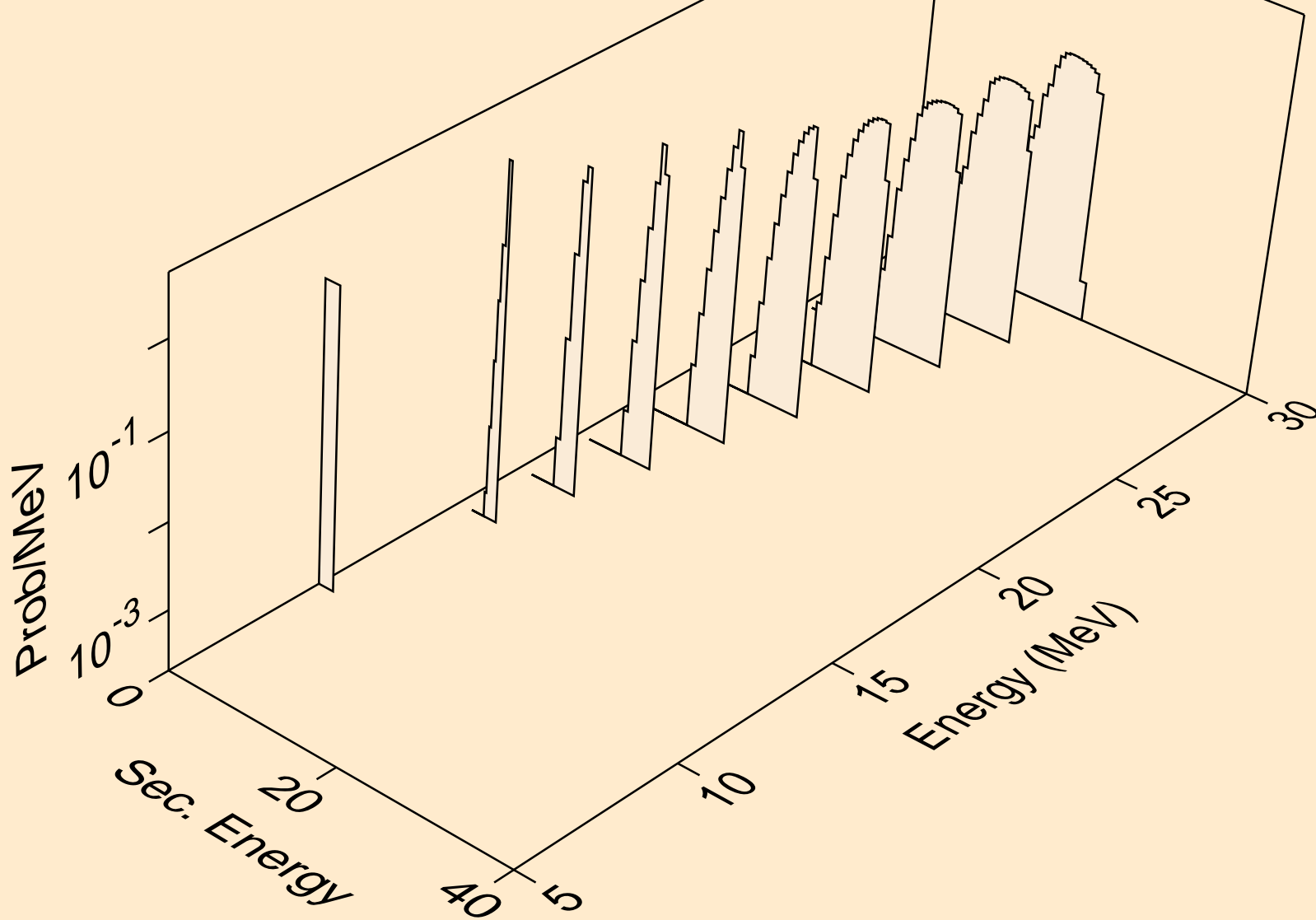
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deuterons from (n,d)



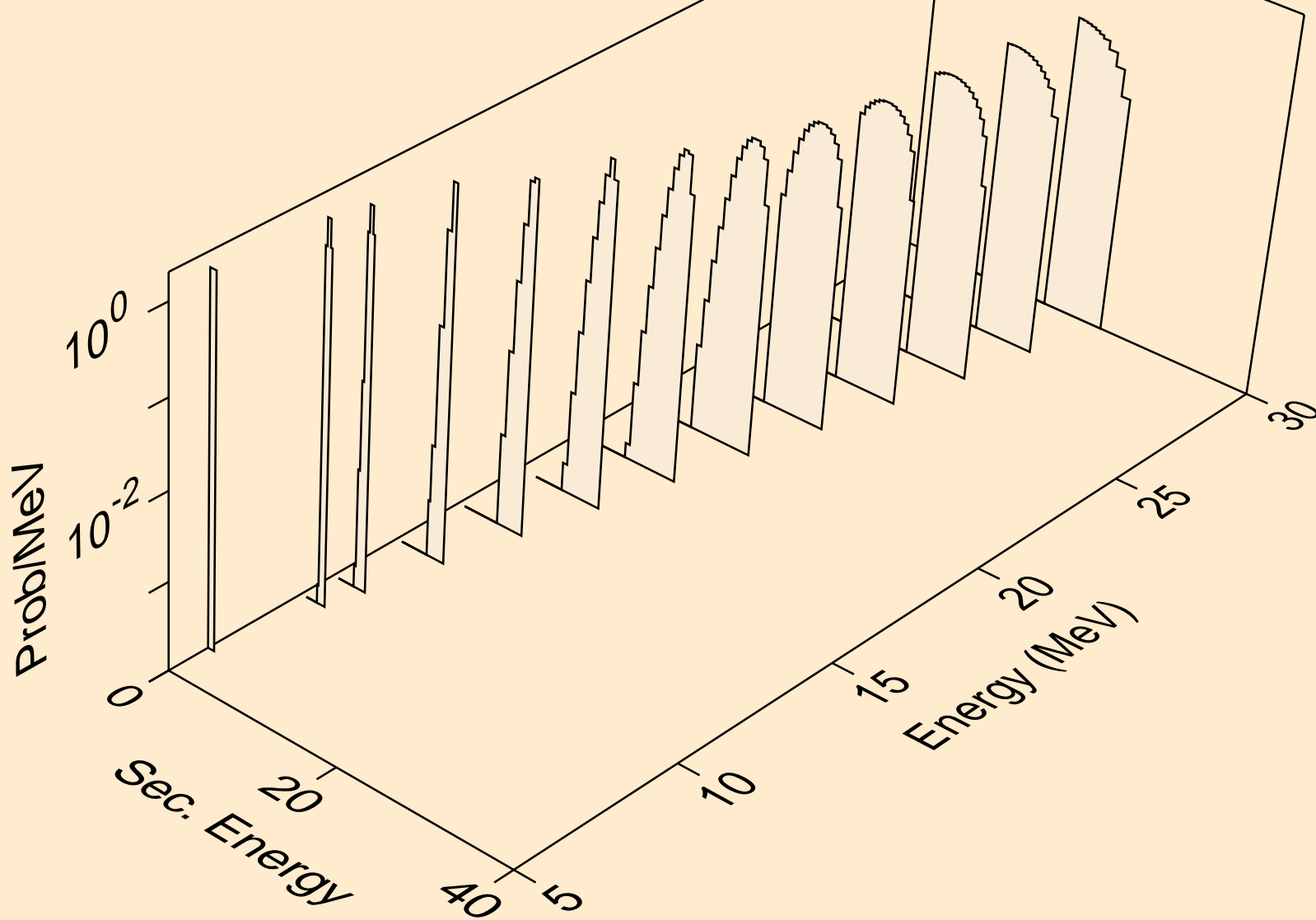
HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,x)



HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,n\*)t

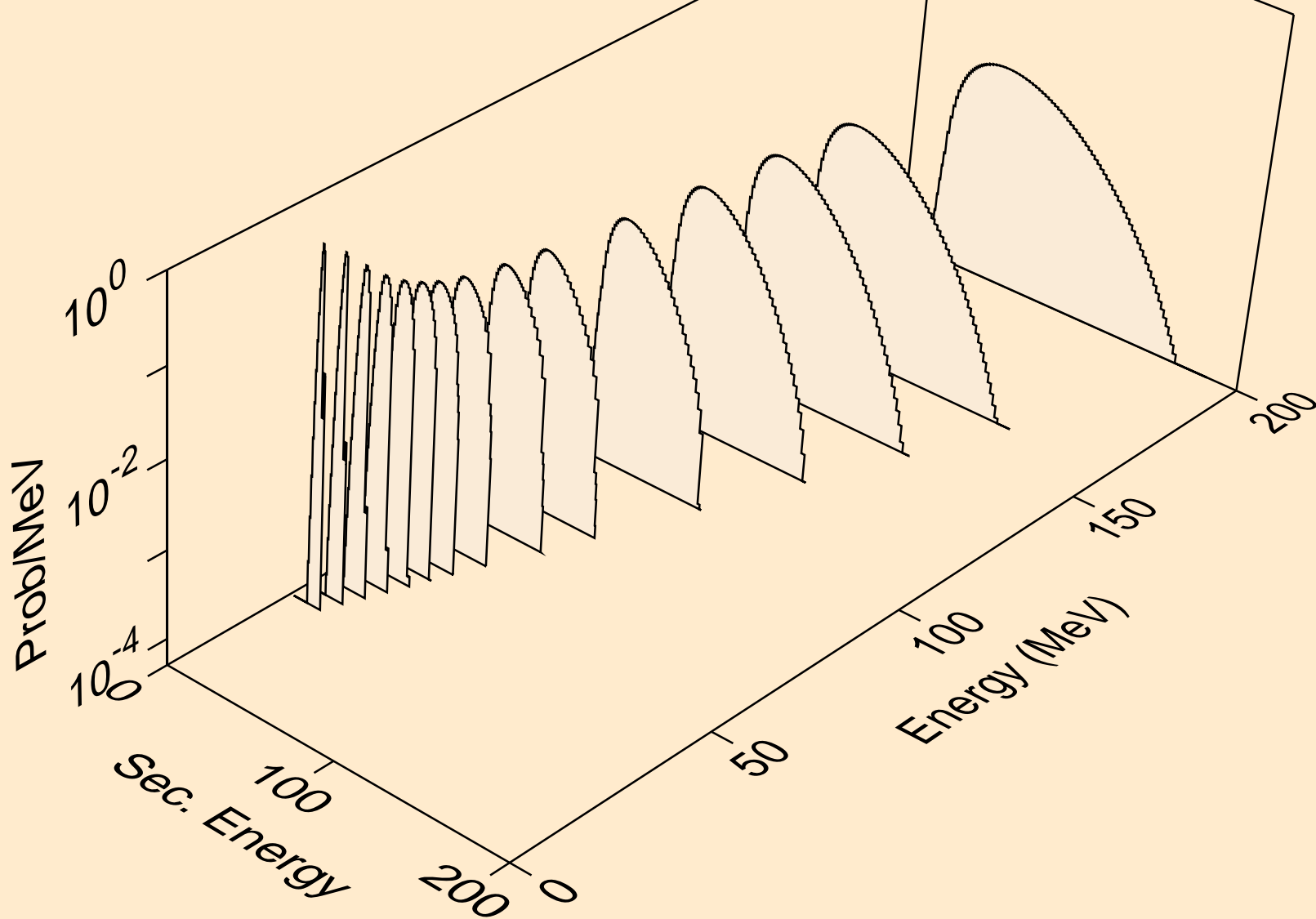


HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,t)

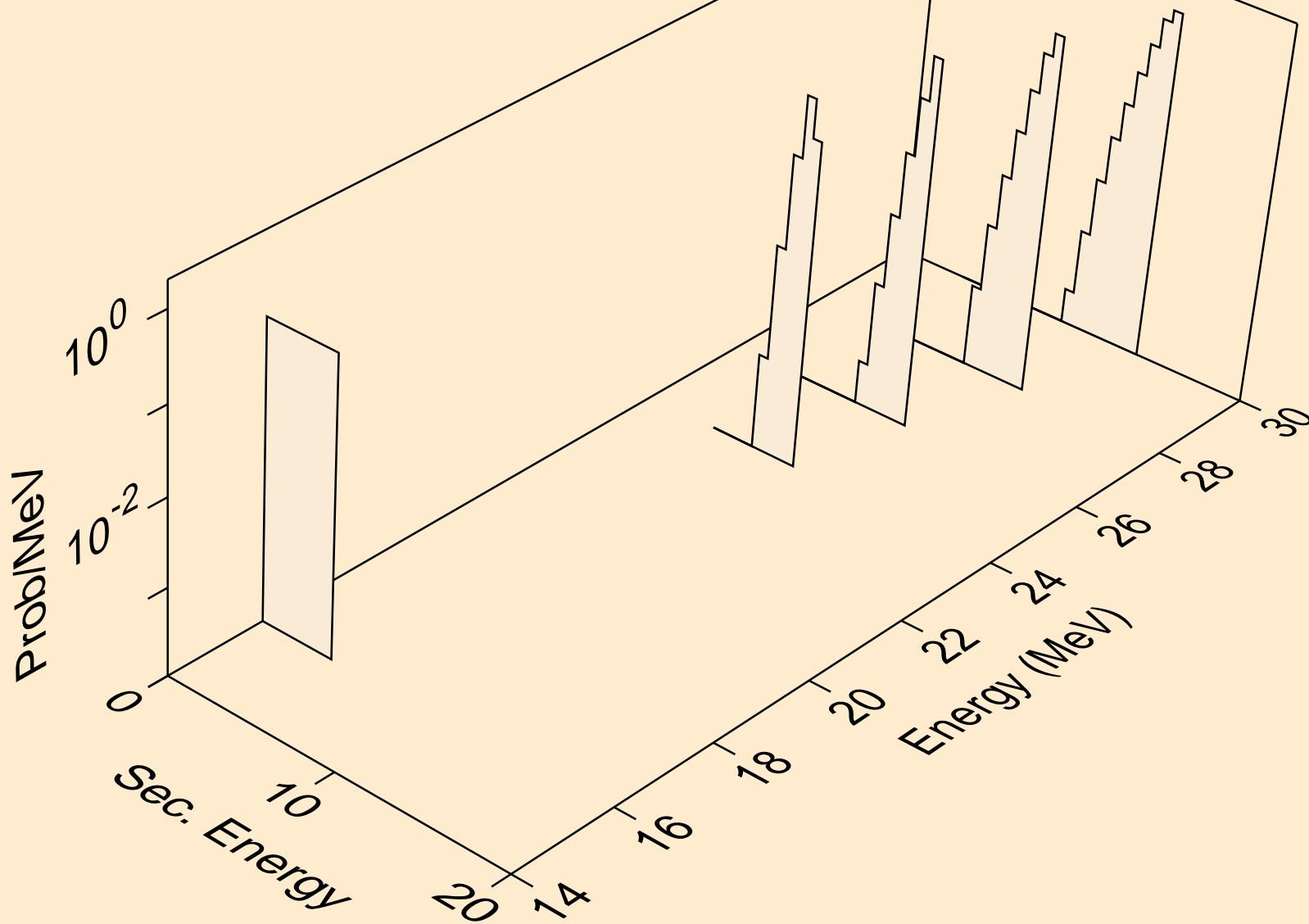




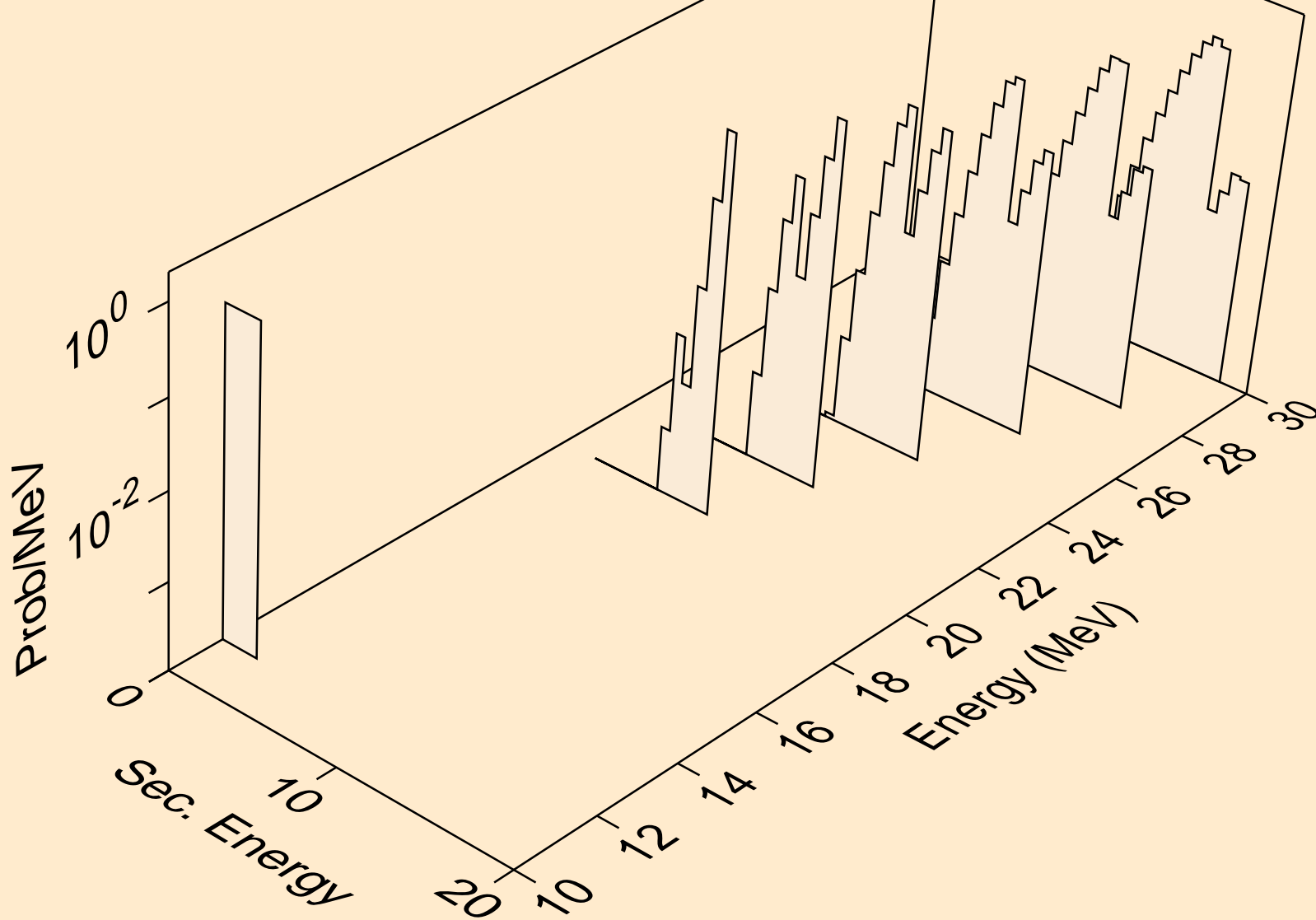
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he3s from (n,x)



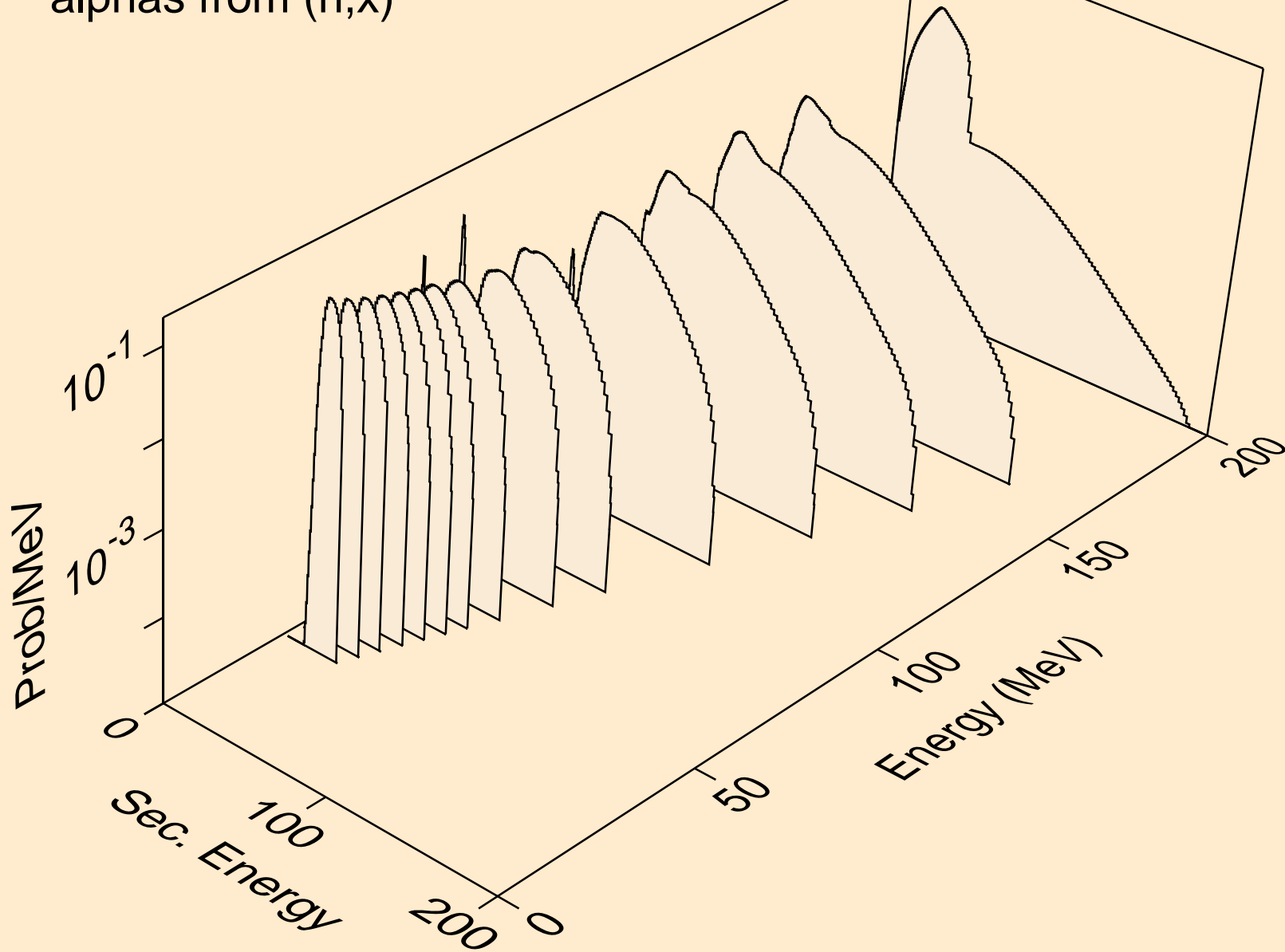
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he3s from (n,n\*)he3



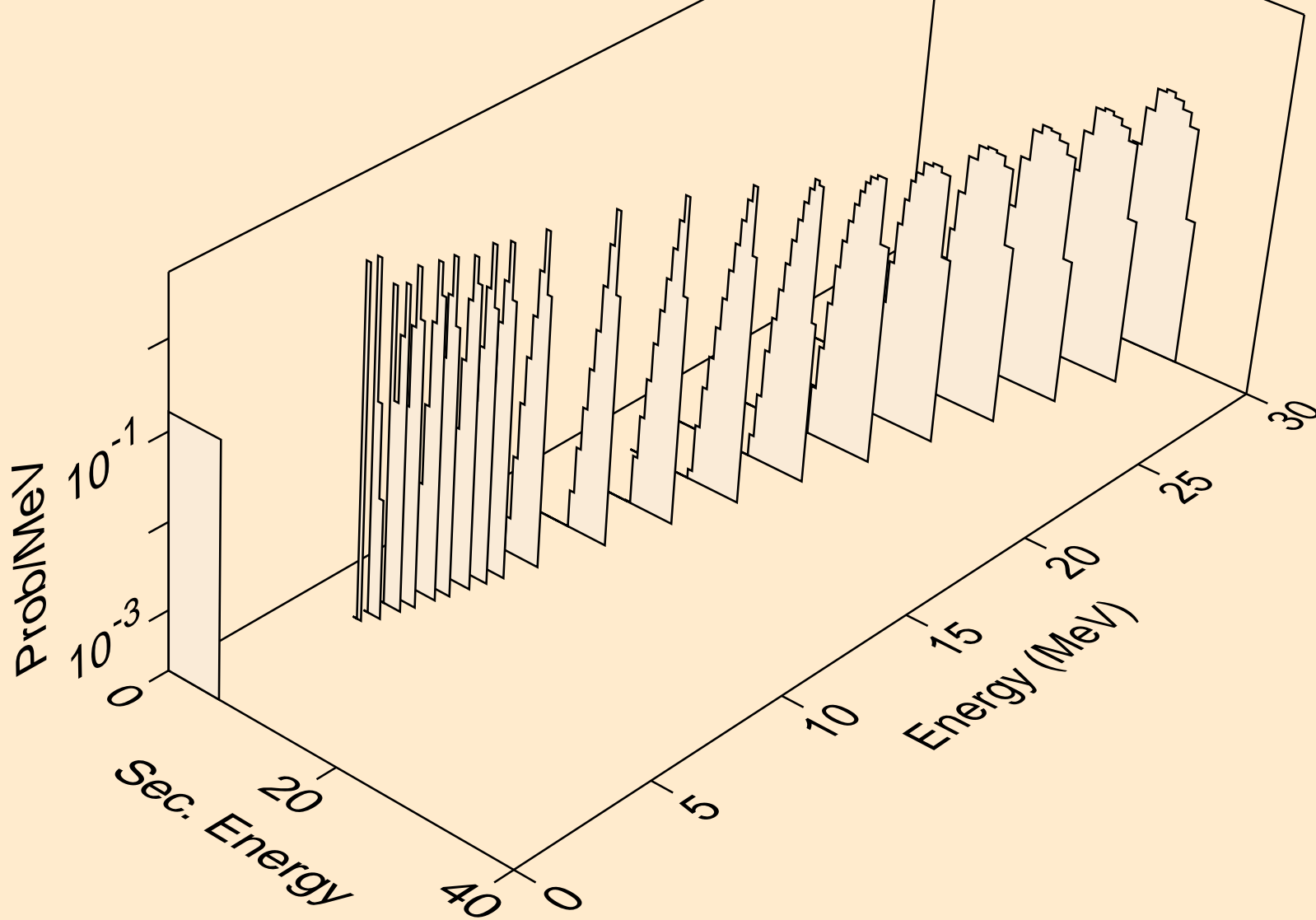
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he3s from (n,he3)



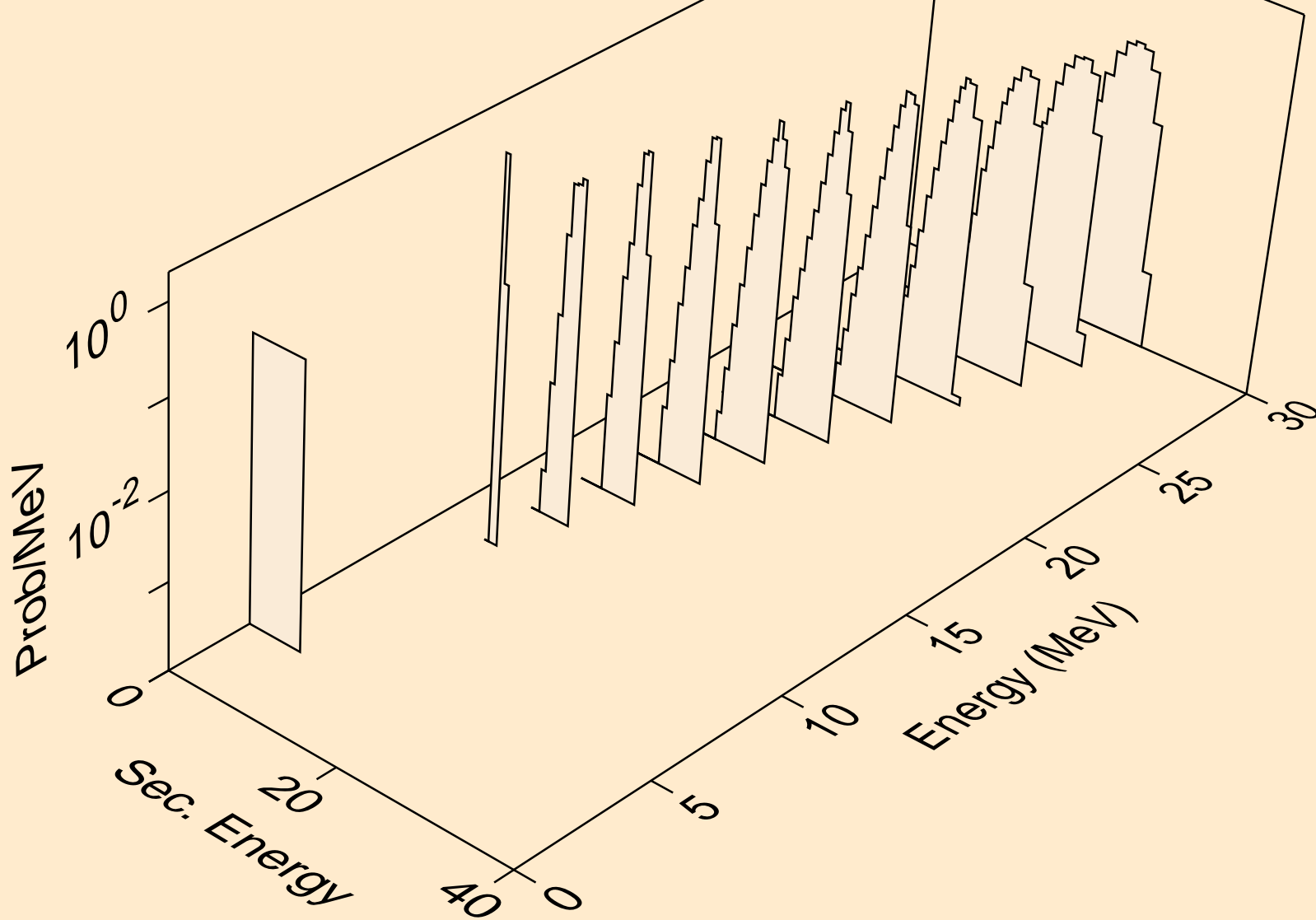
HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,x)



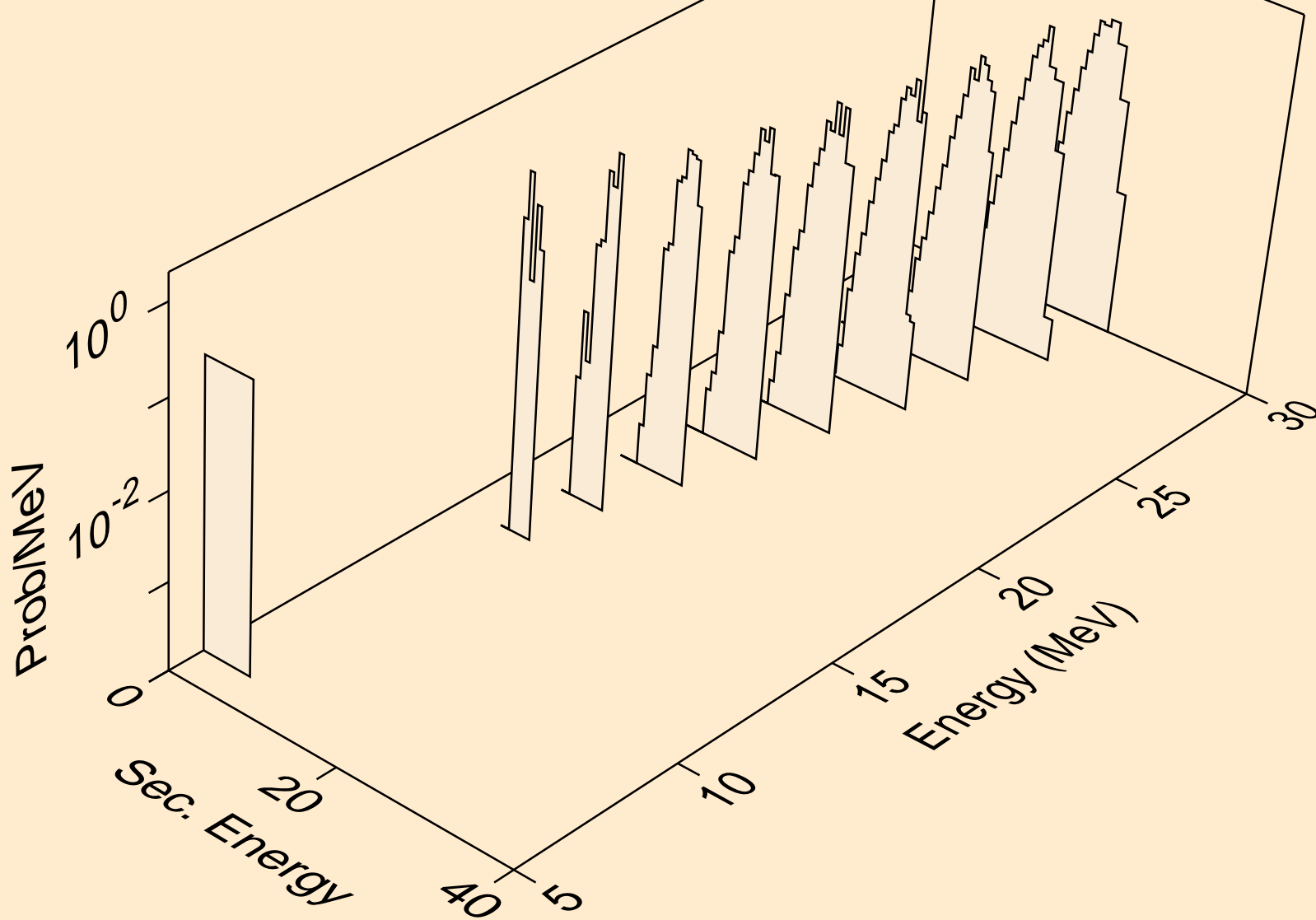
HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)a



HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2n)a



HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,3n)a



HG210 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,a)

