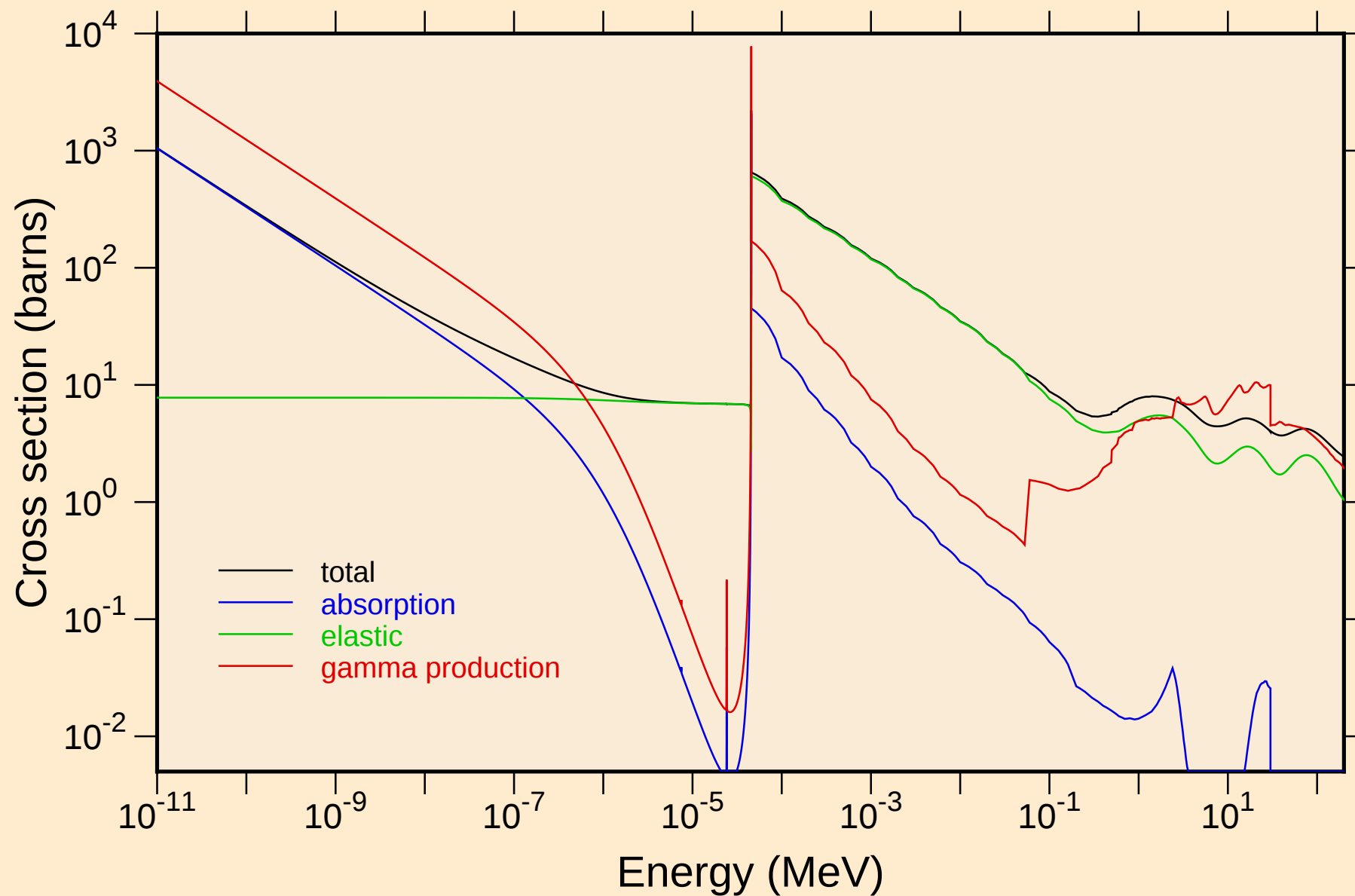


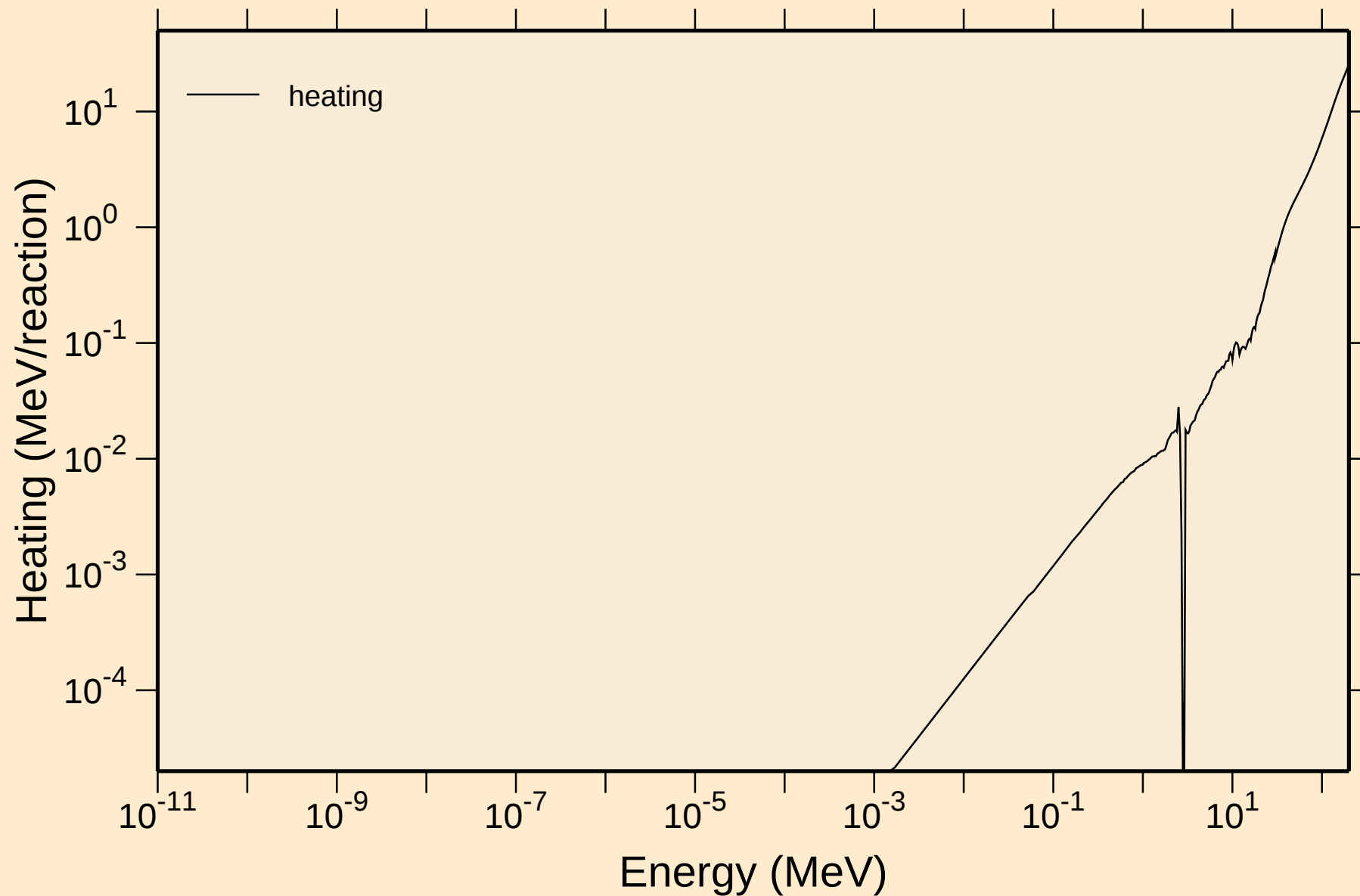
# SM157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections



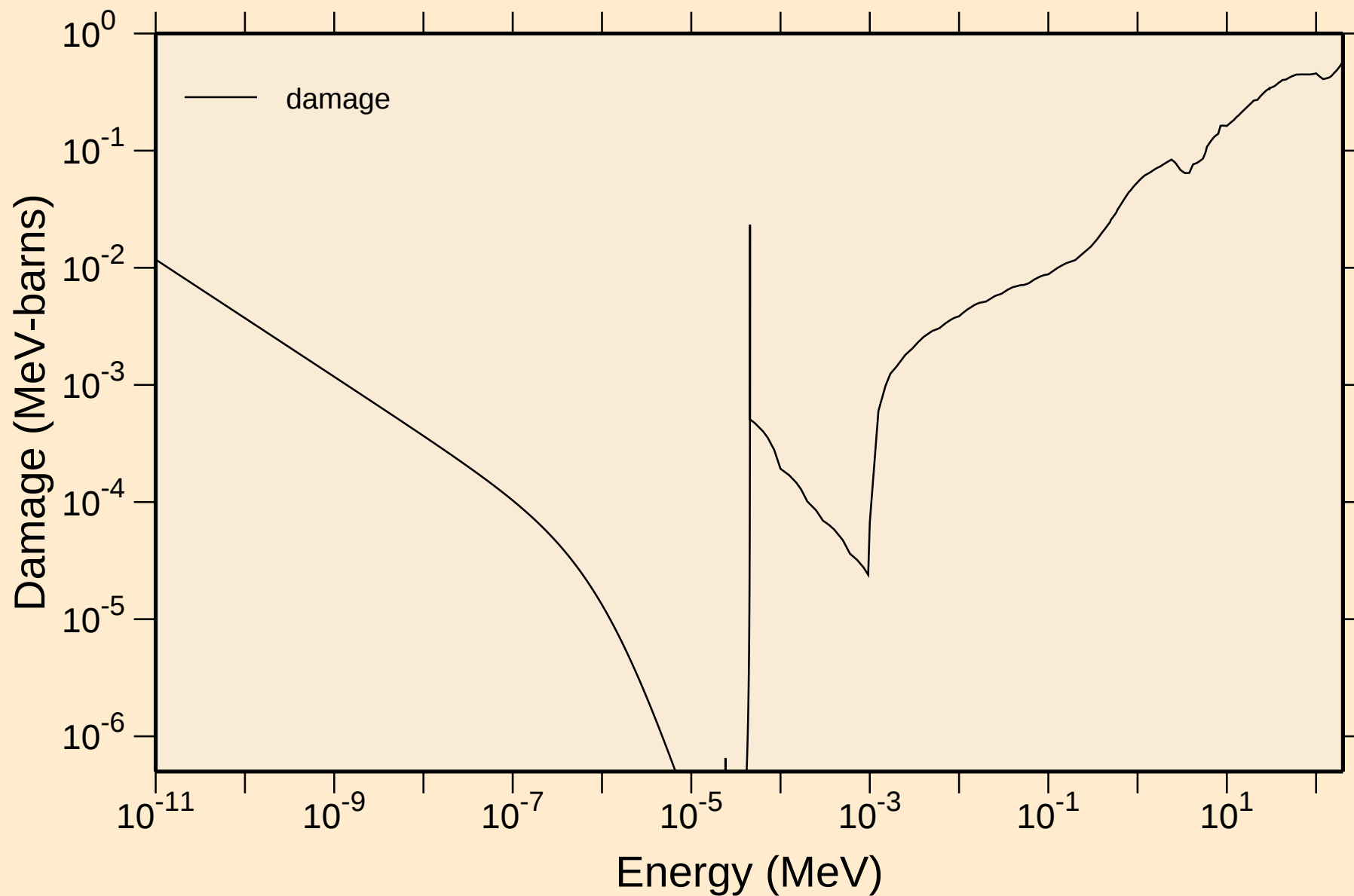
# SM157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

Heating

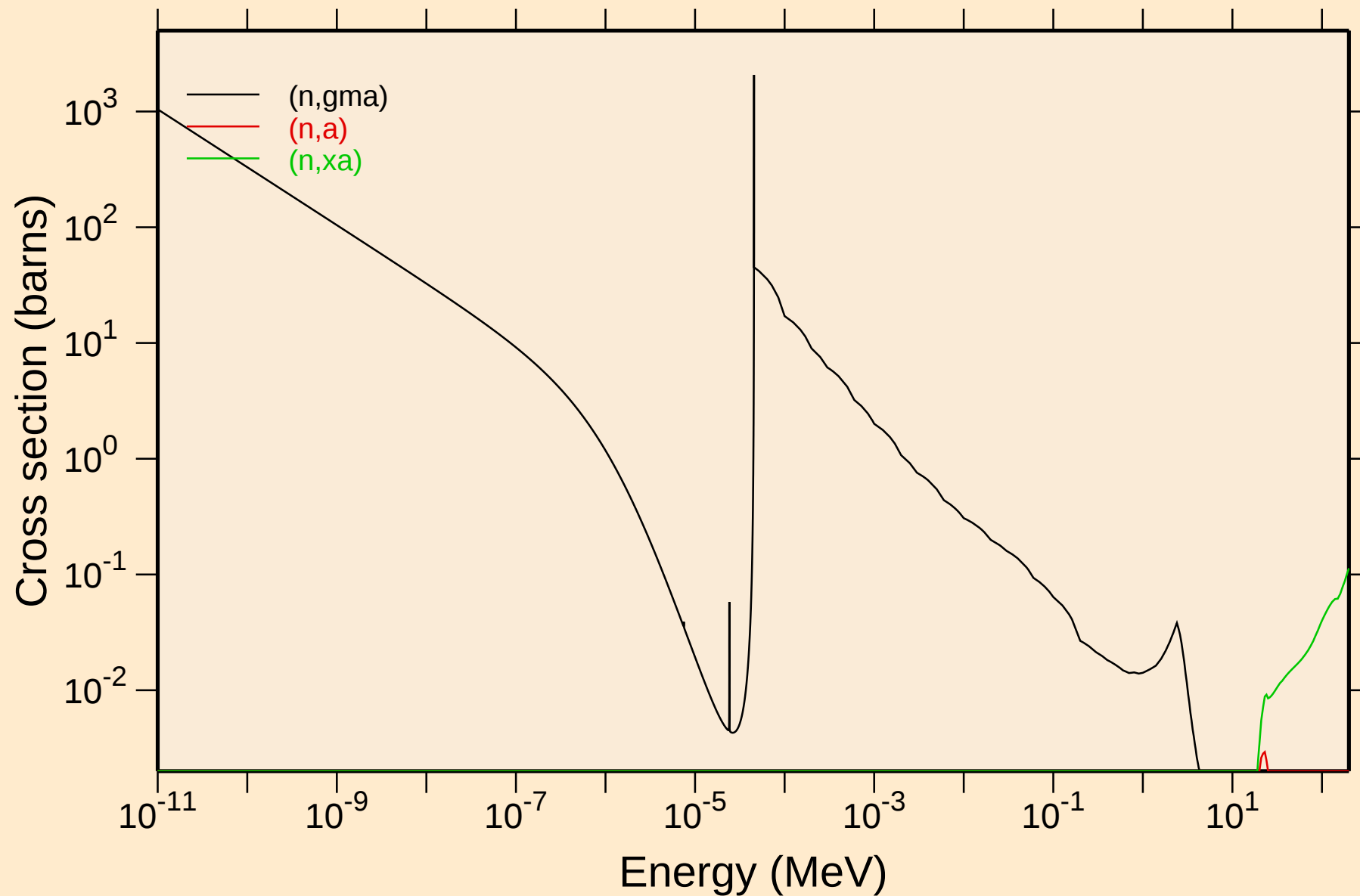


# SM157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

Damage

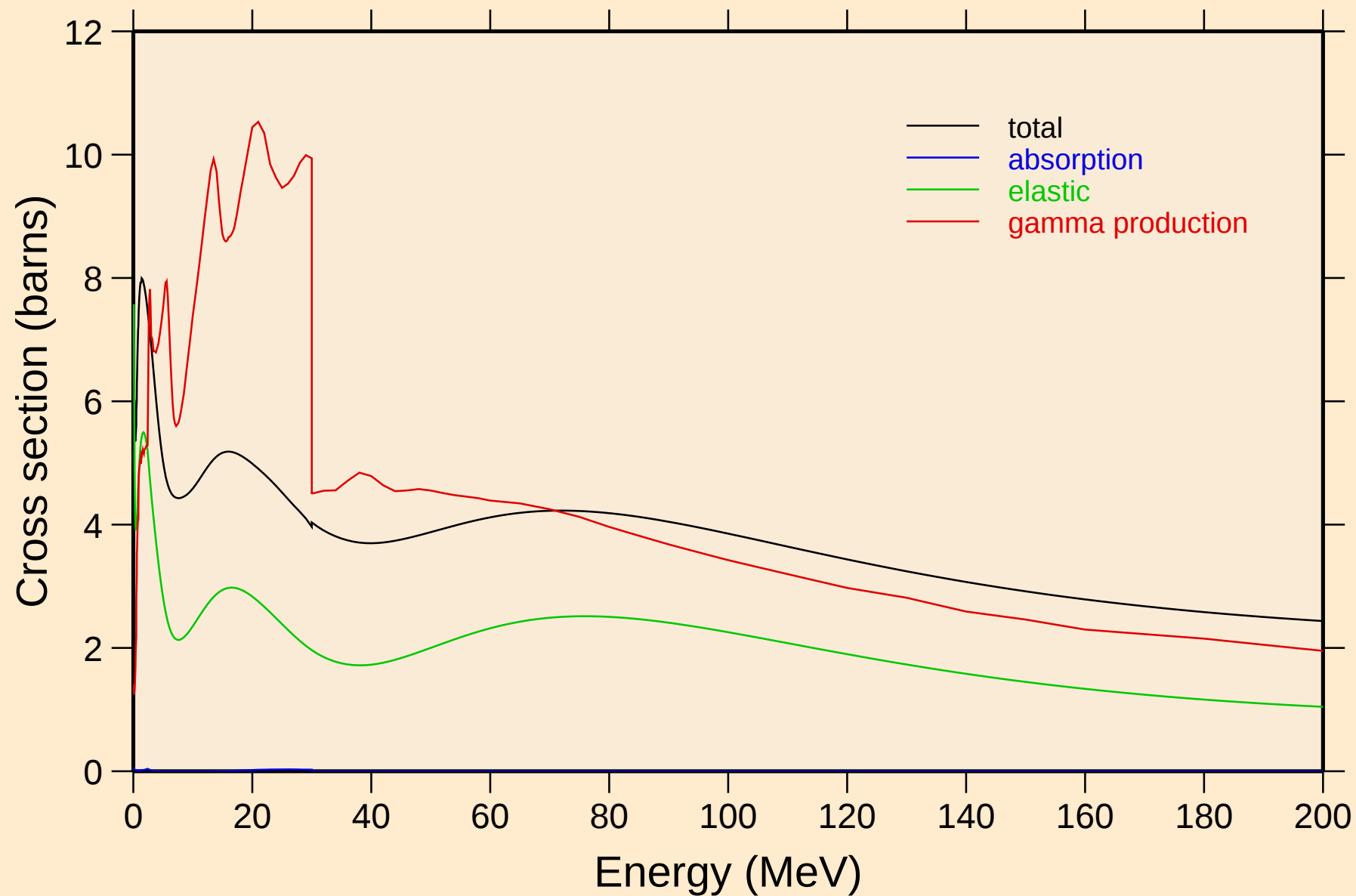


SM157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



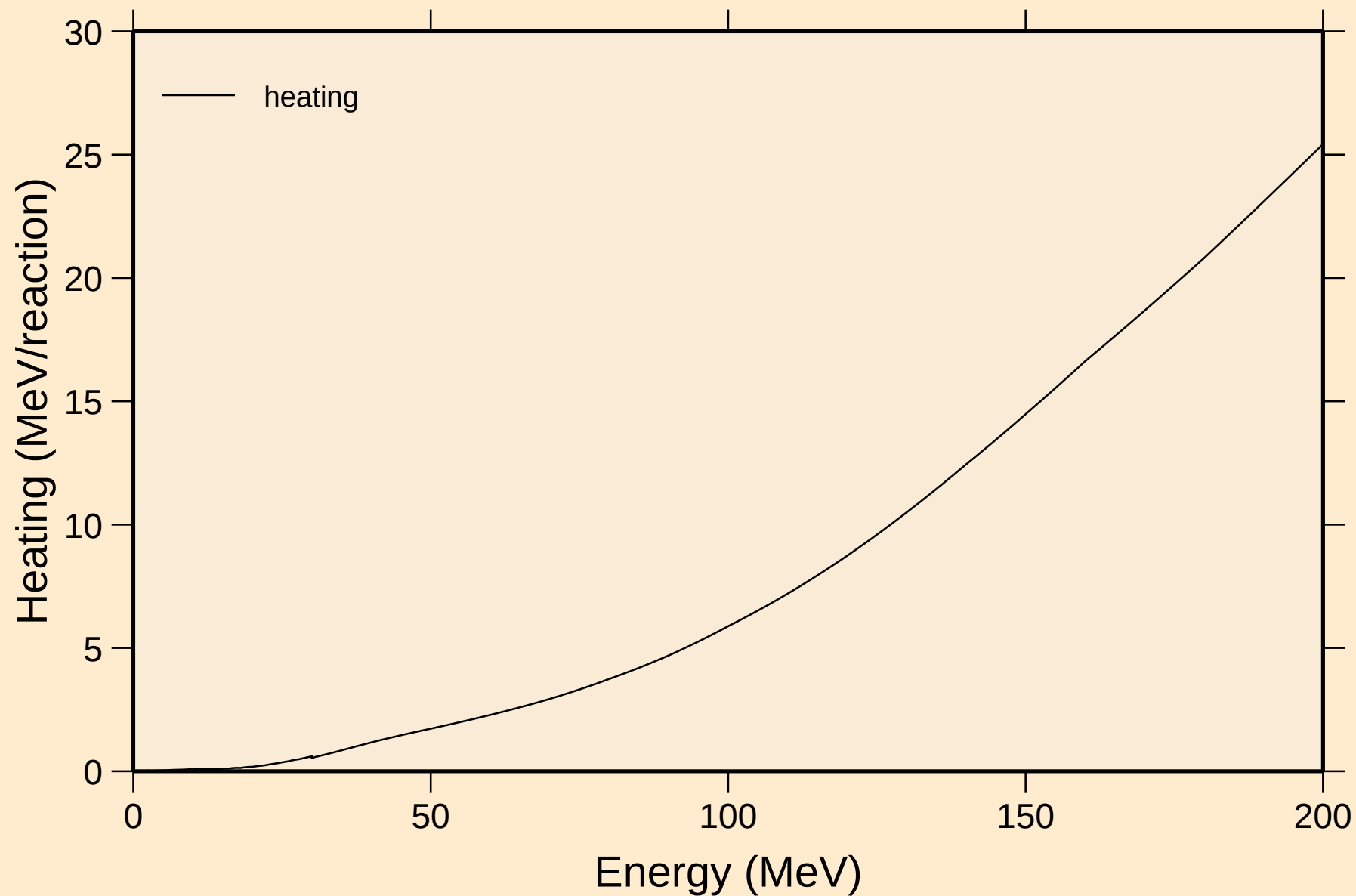
# SM157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections



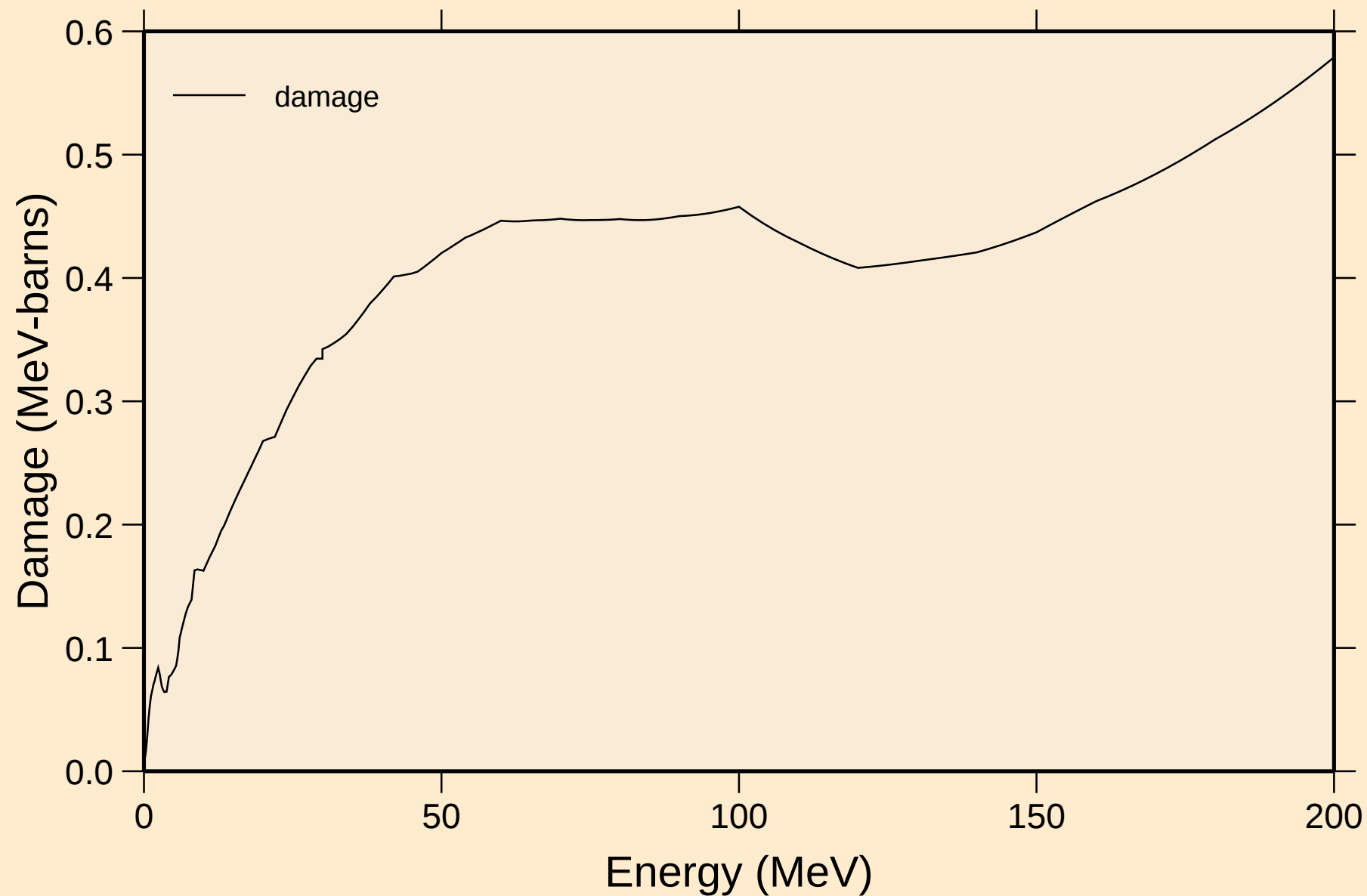
# SM157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

Heating

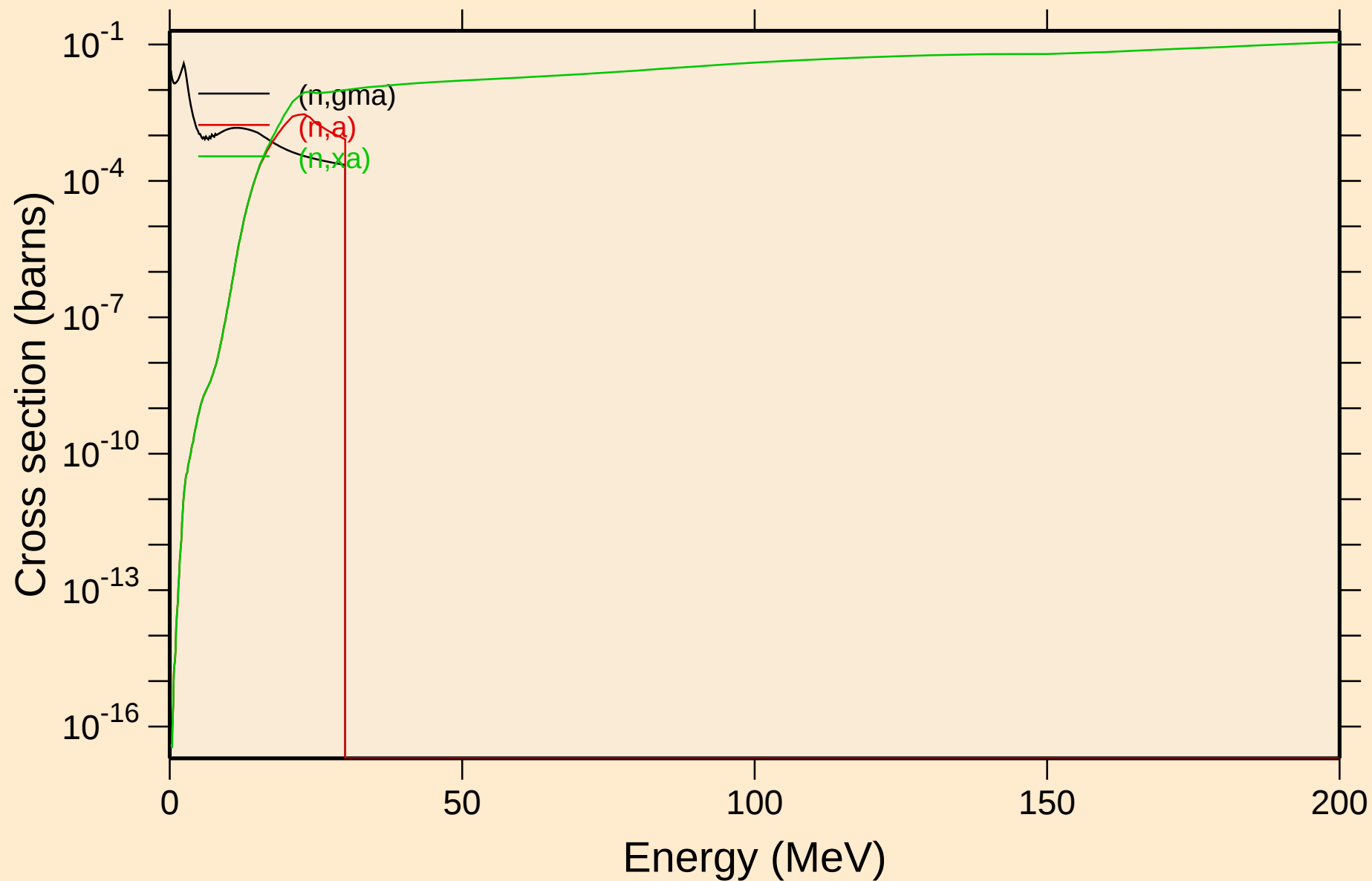


# SM157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

Damage

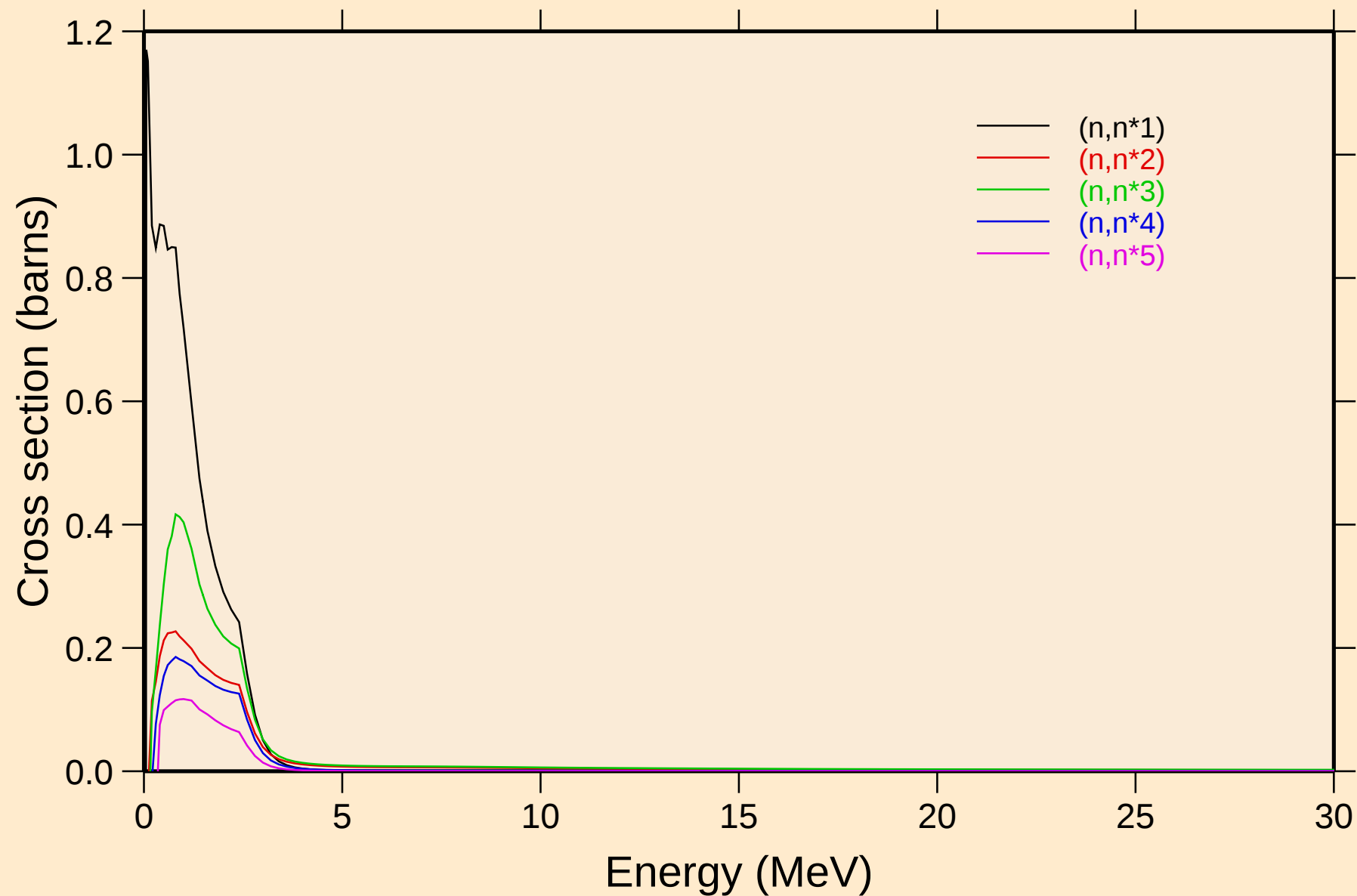


SM157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



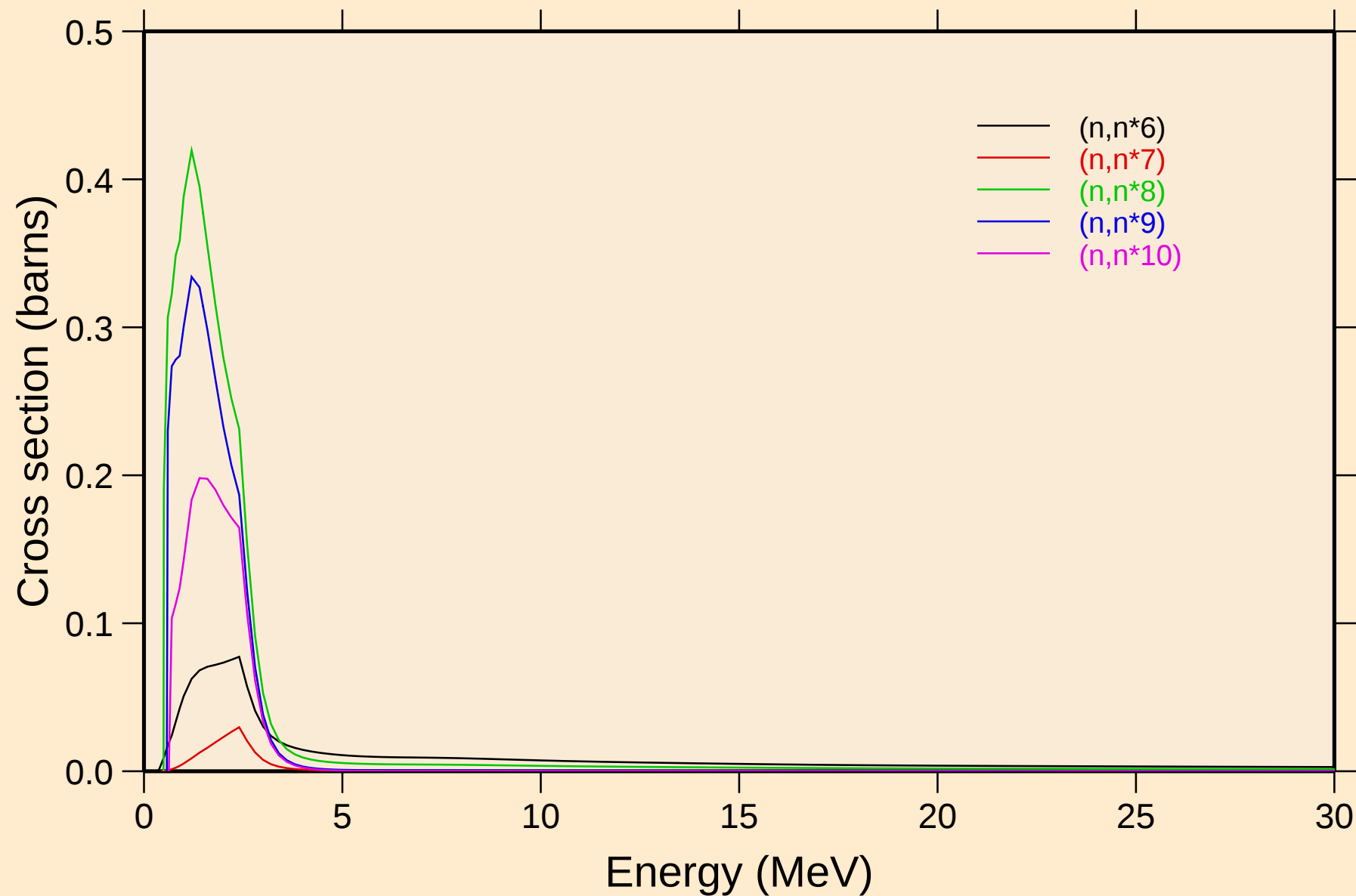
# SM157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

Inelastic levels

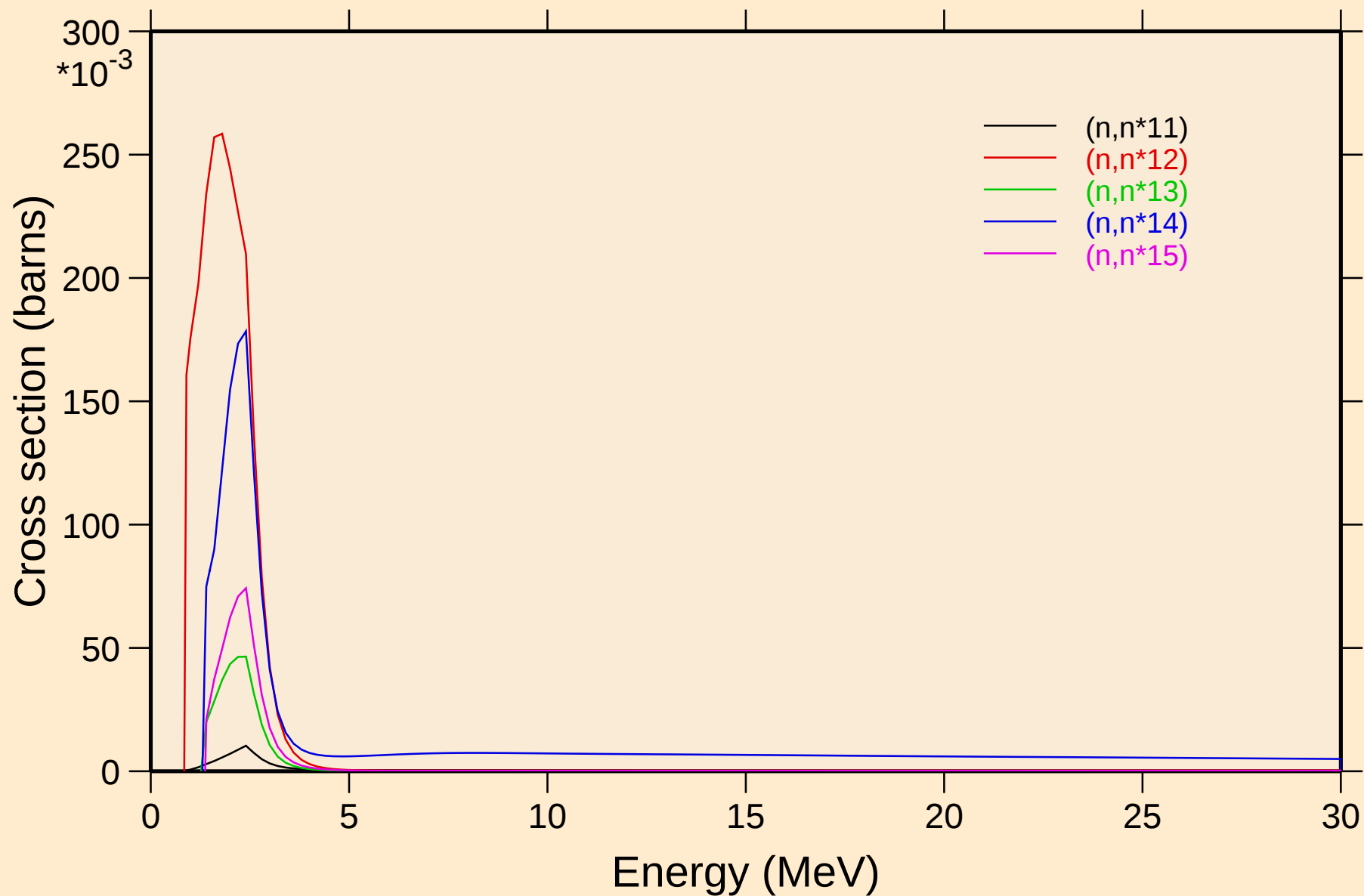


# SM157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

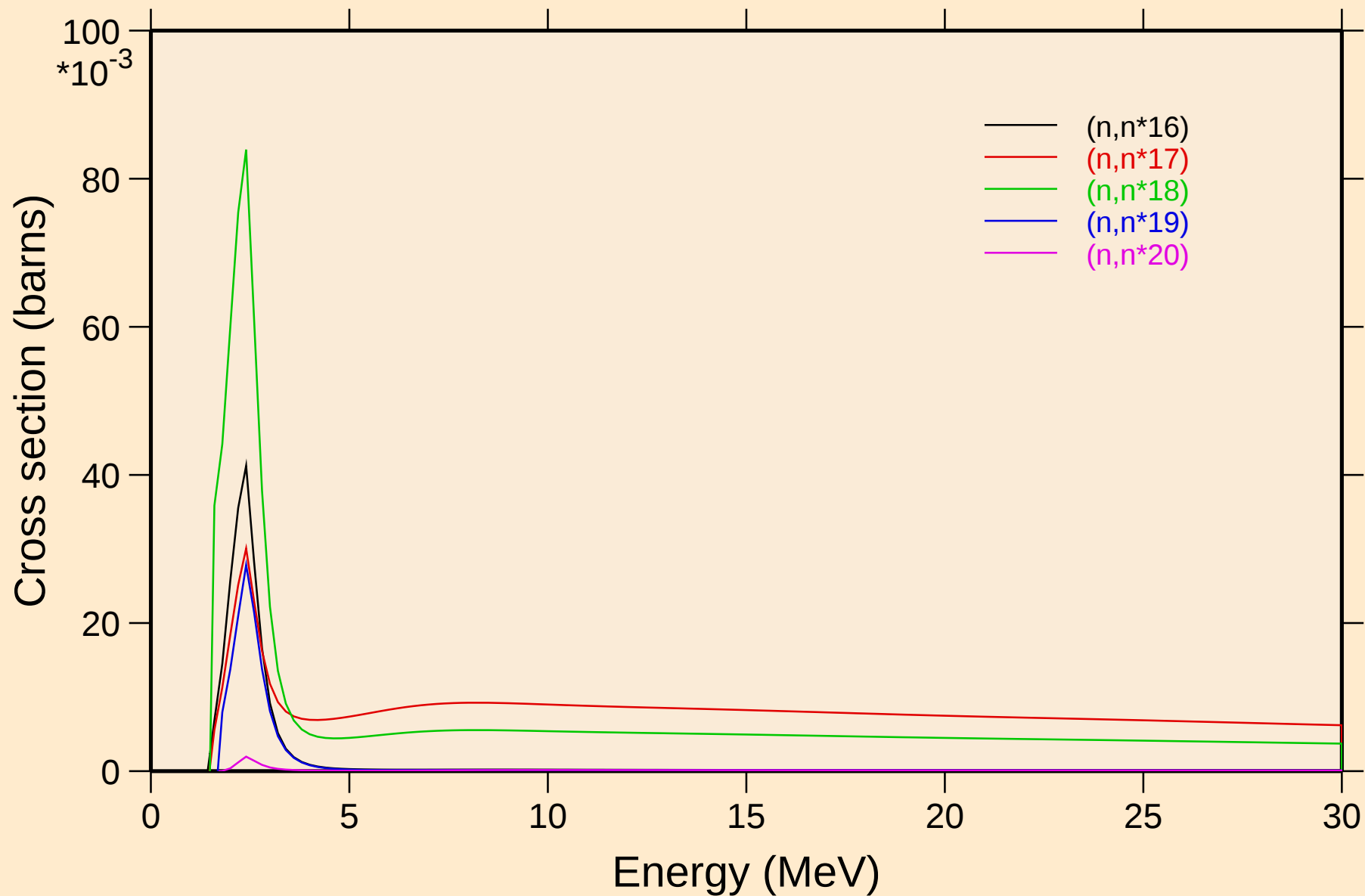
Inelastic levels



SM157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels

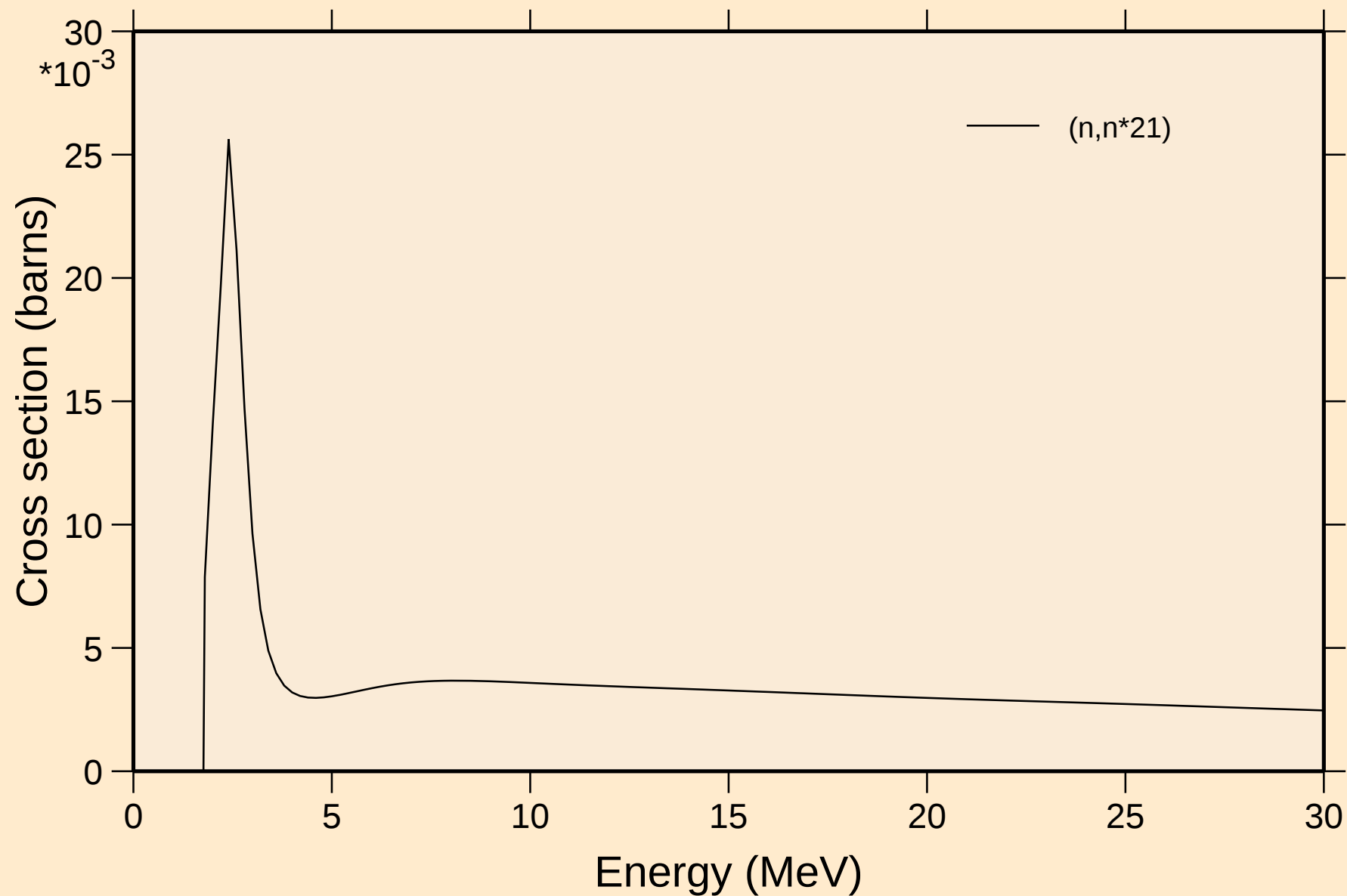


SM157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



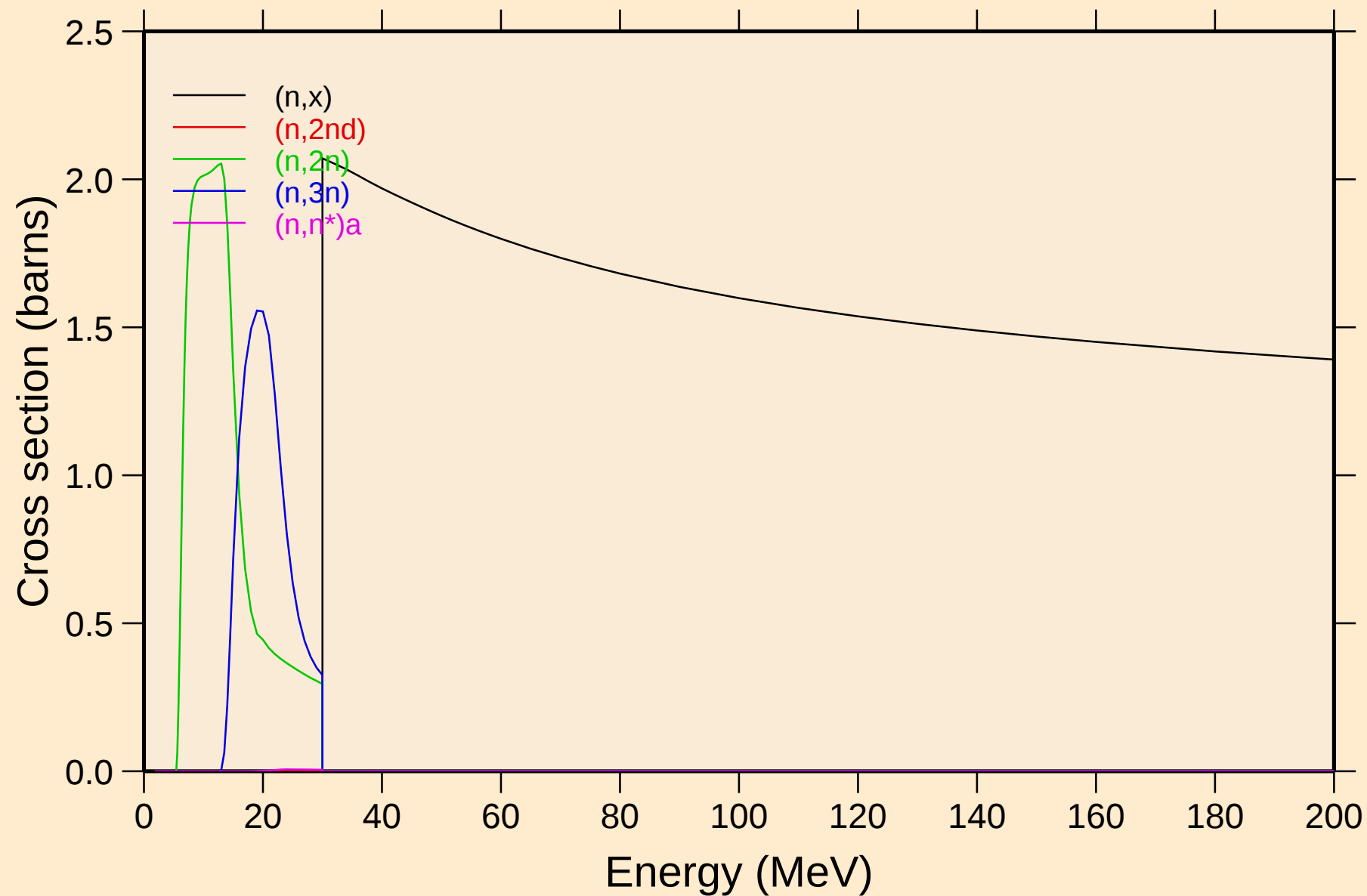
# SM157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Inelastic levels

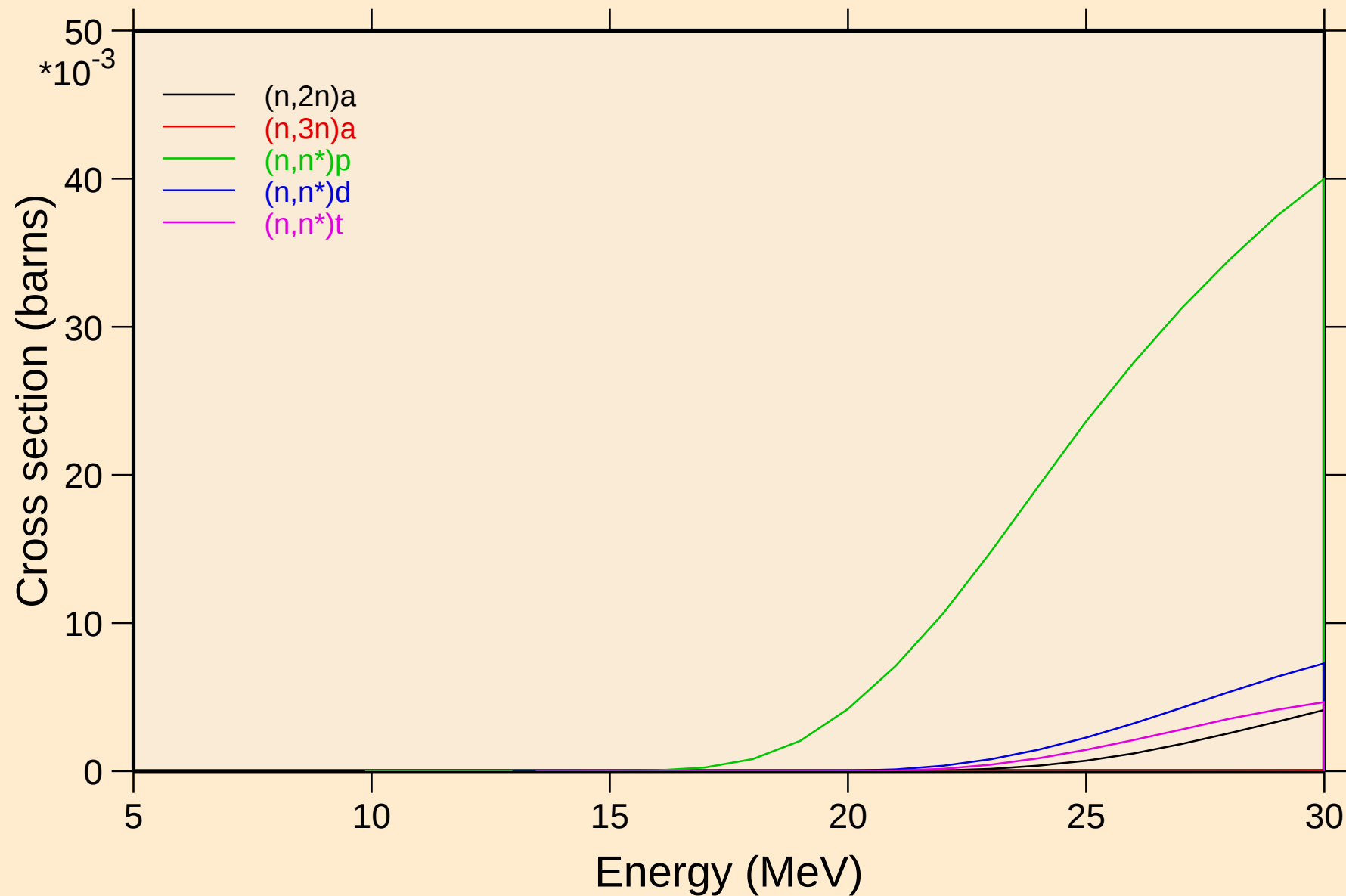


# SM157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

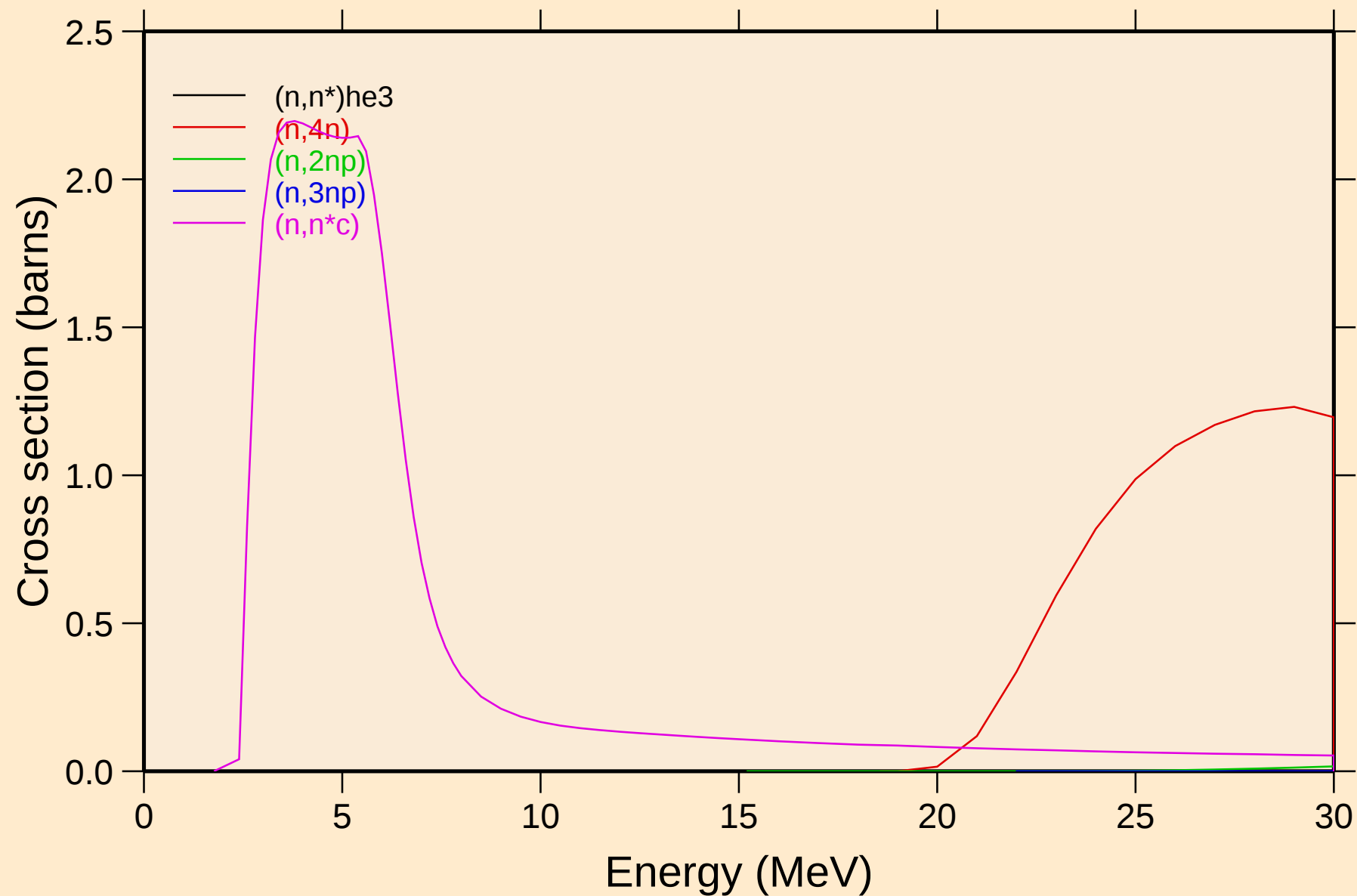
## Threshold reactions



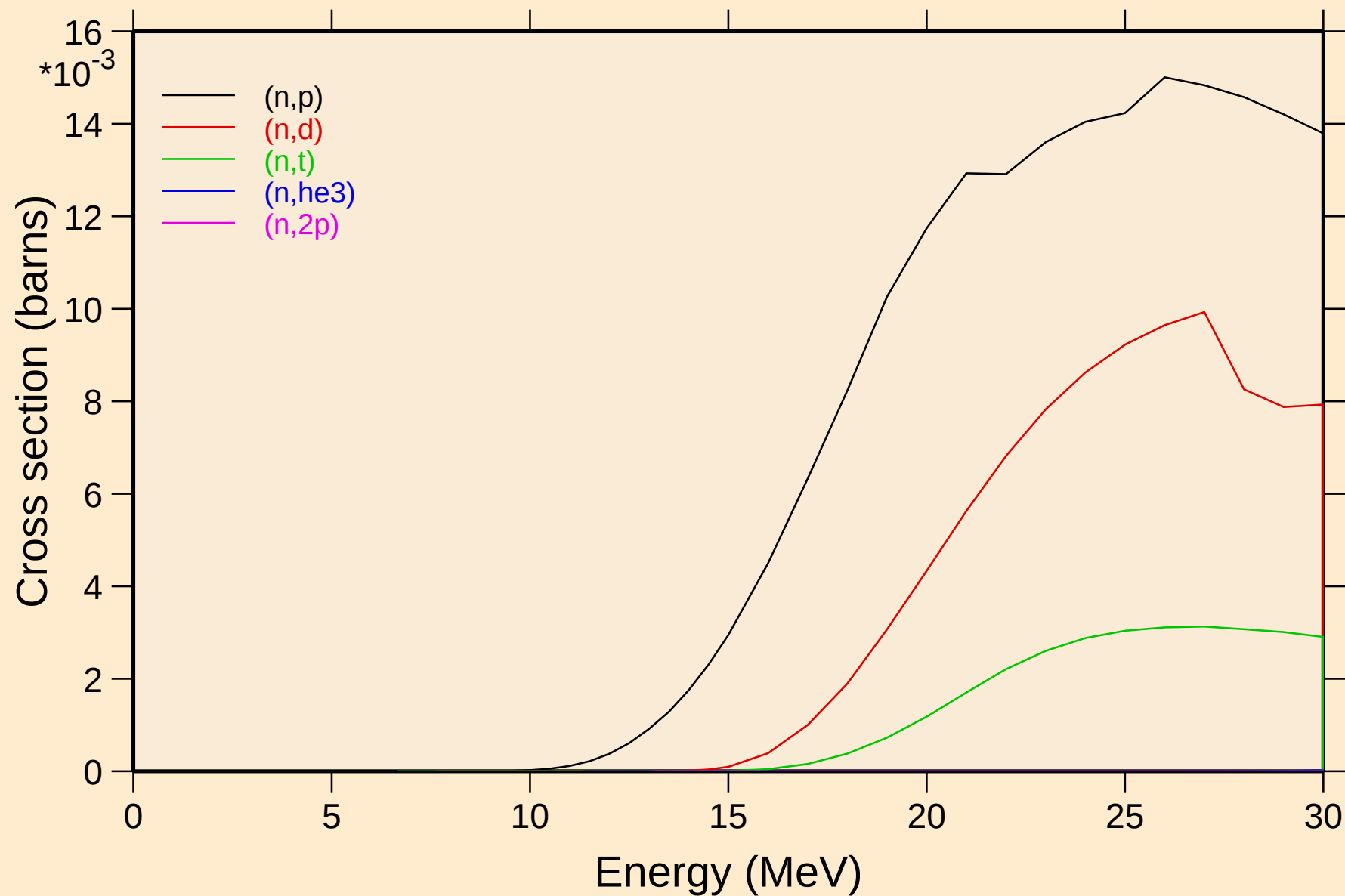
SM157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



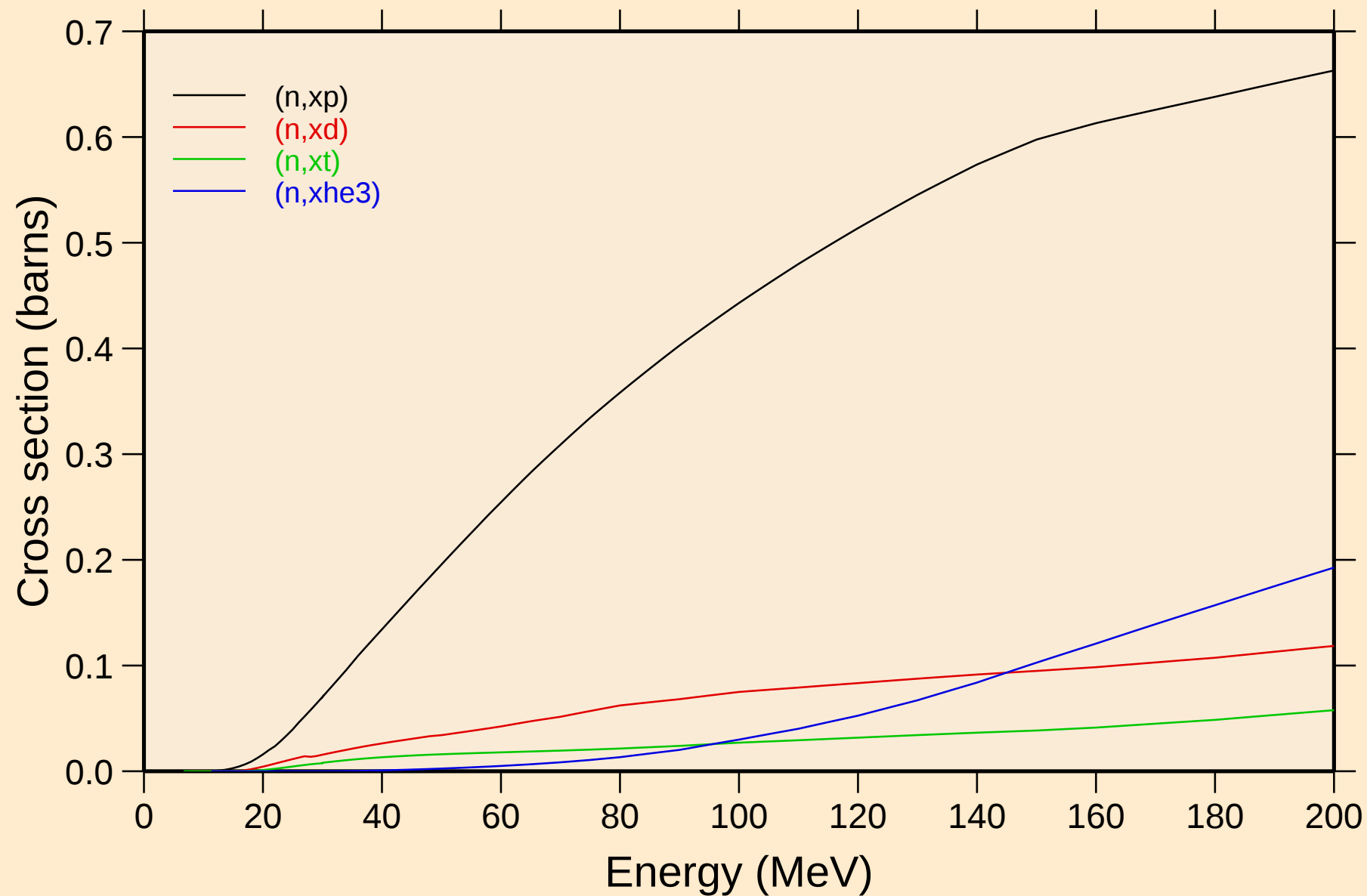
SM157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



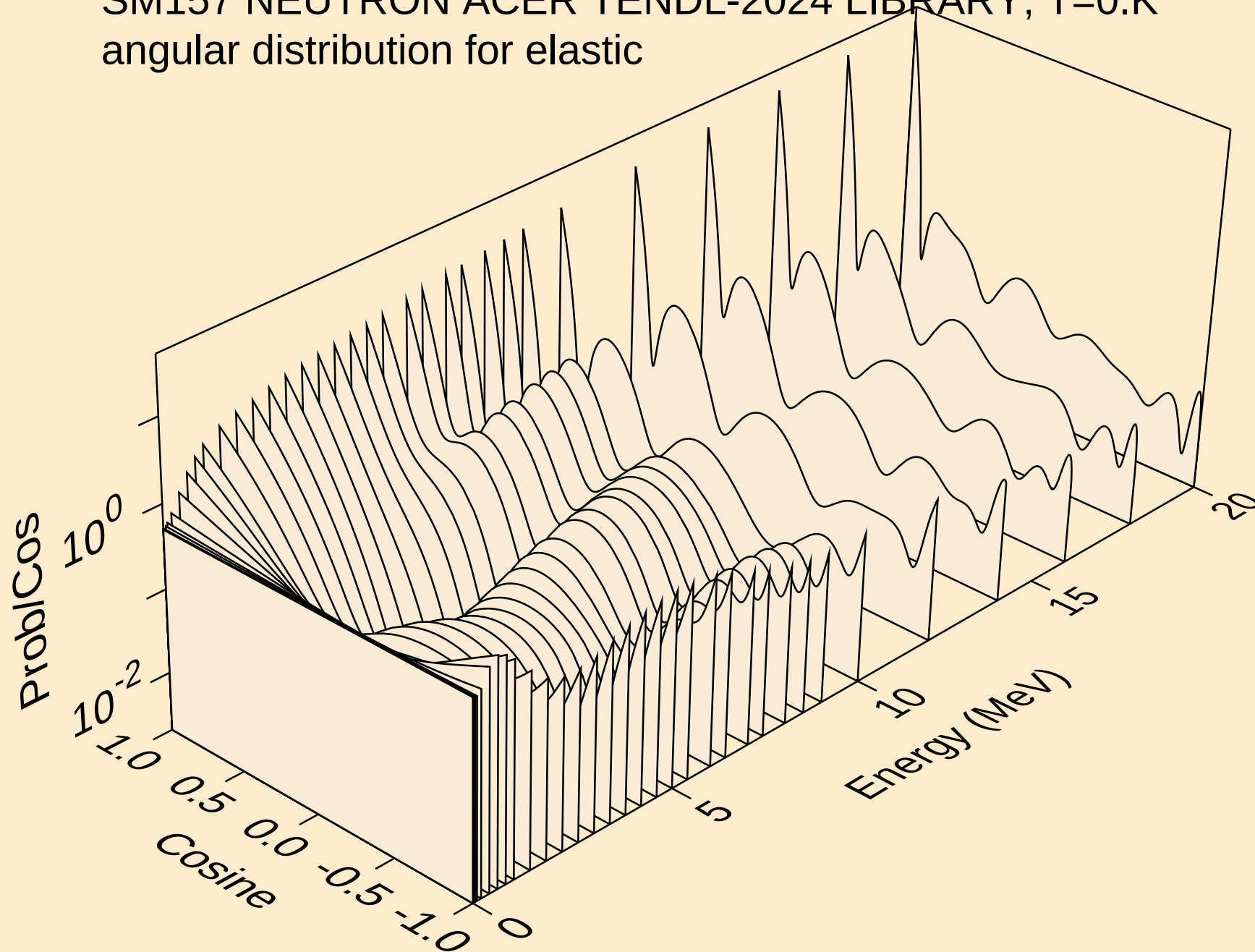
SM157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



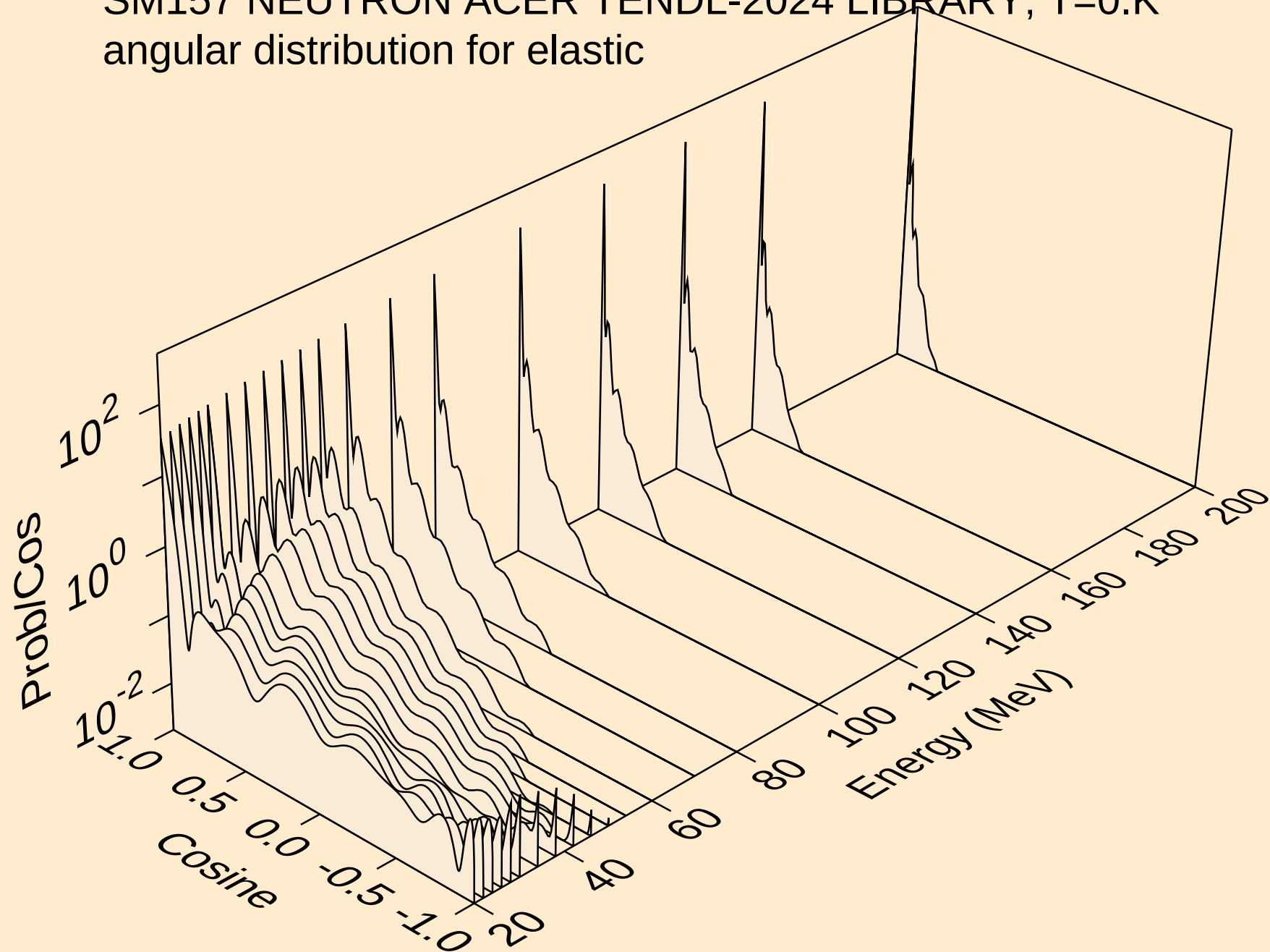
SM157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



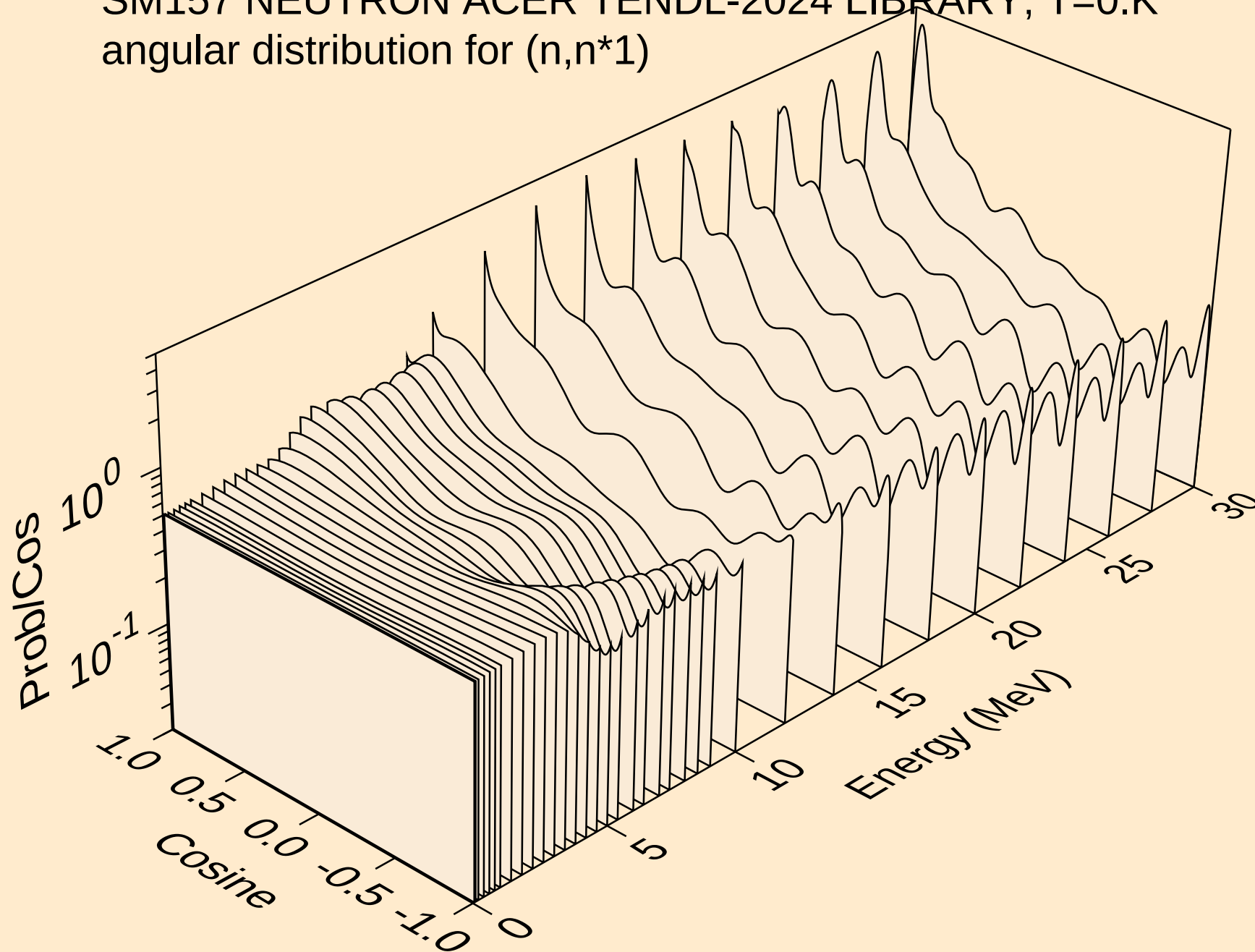
SM157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



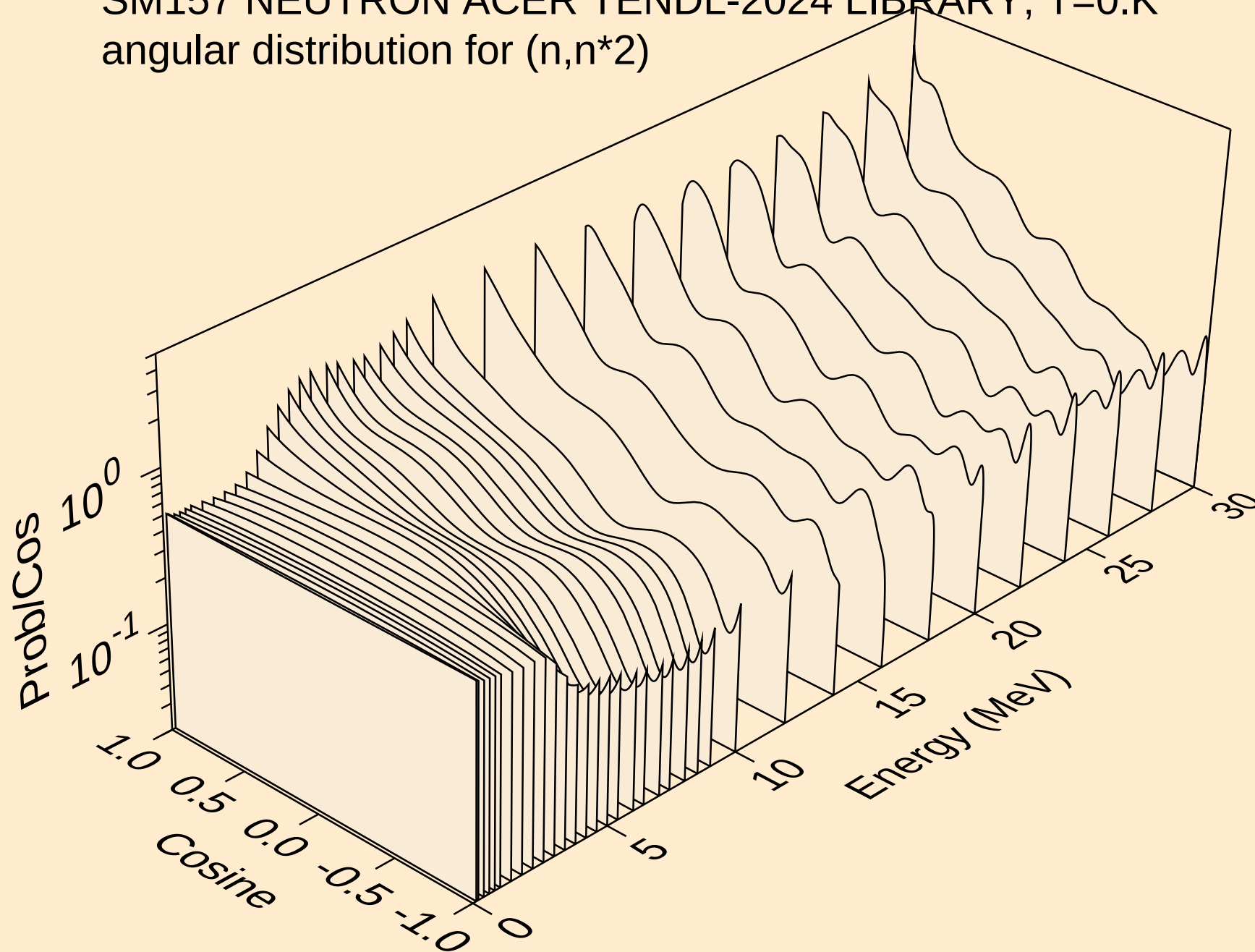
SM157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



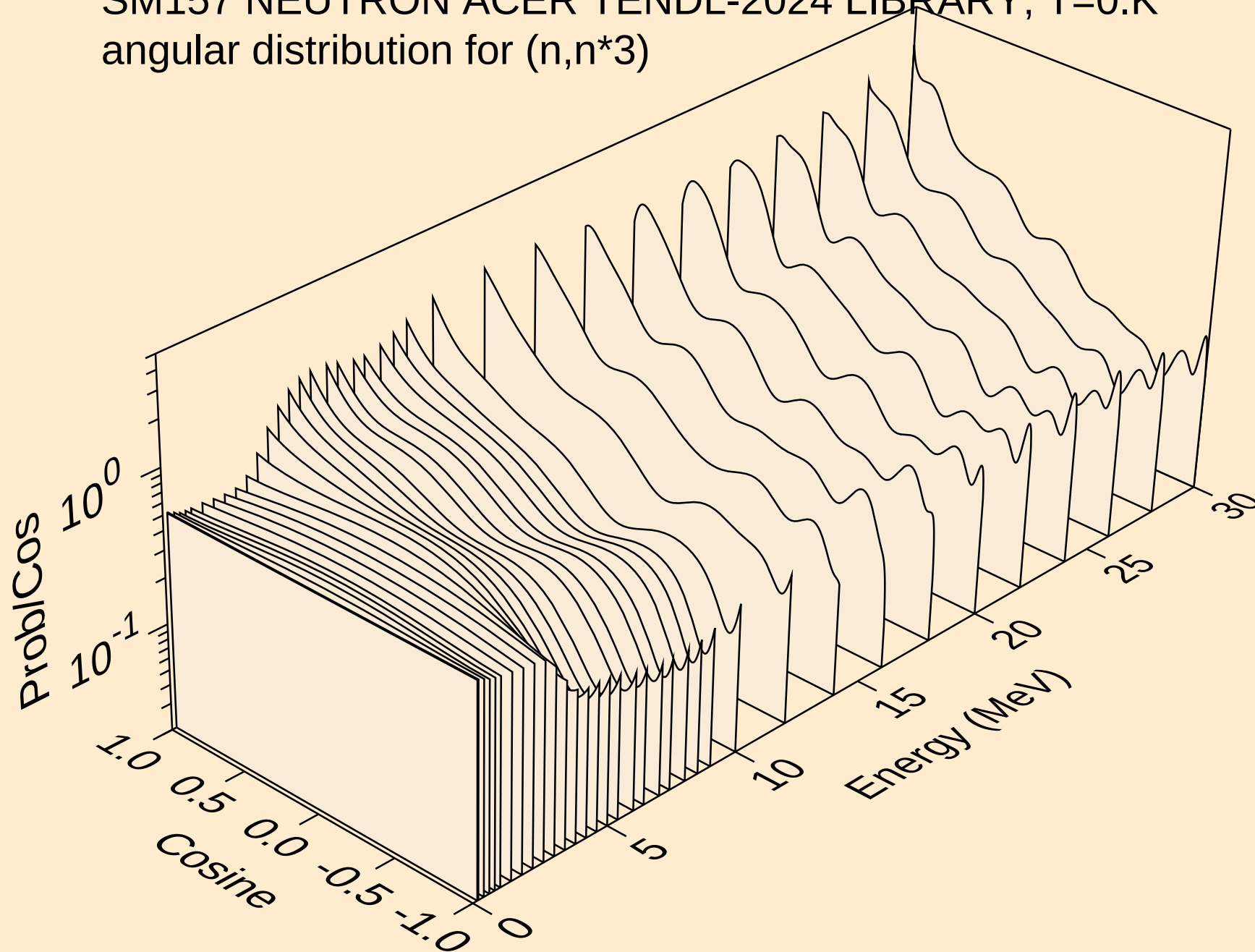
SM157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



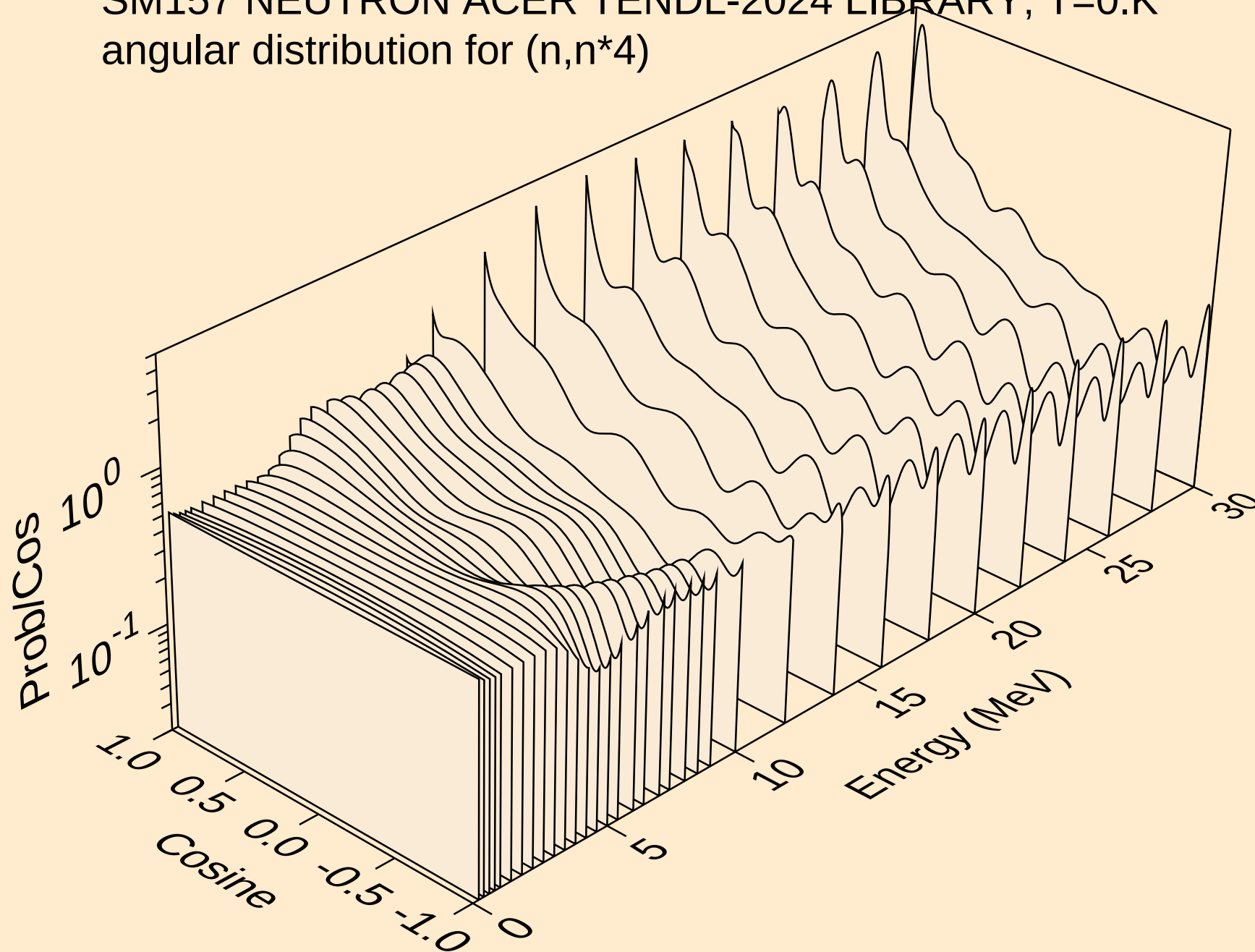
SM157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*2)



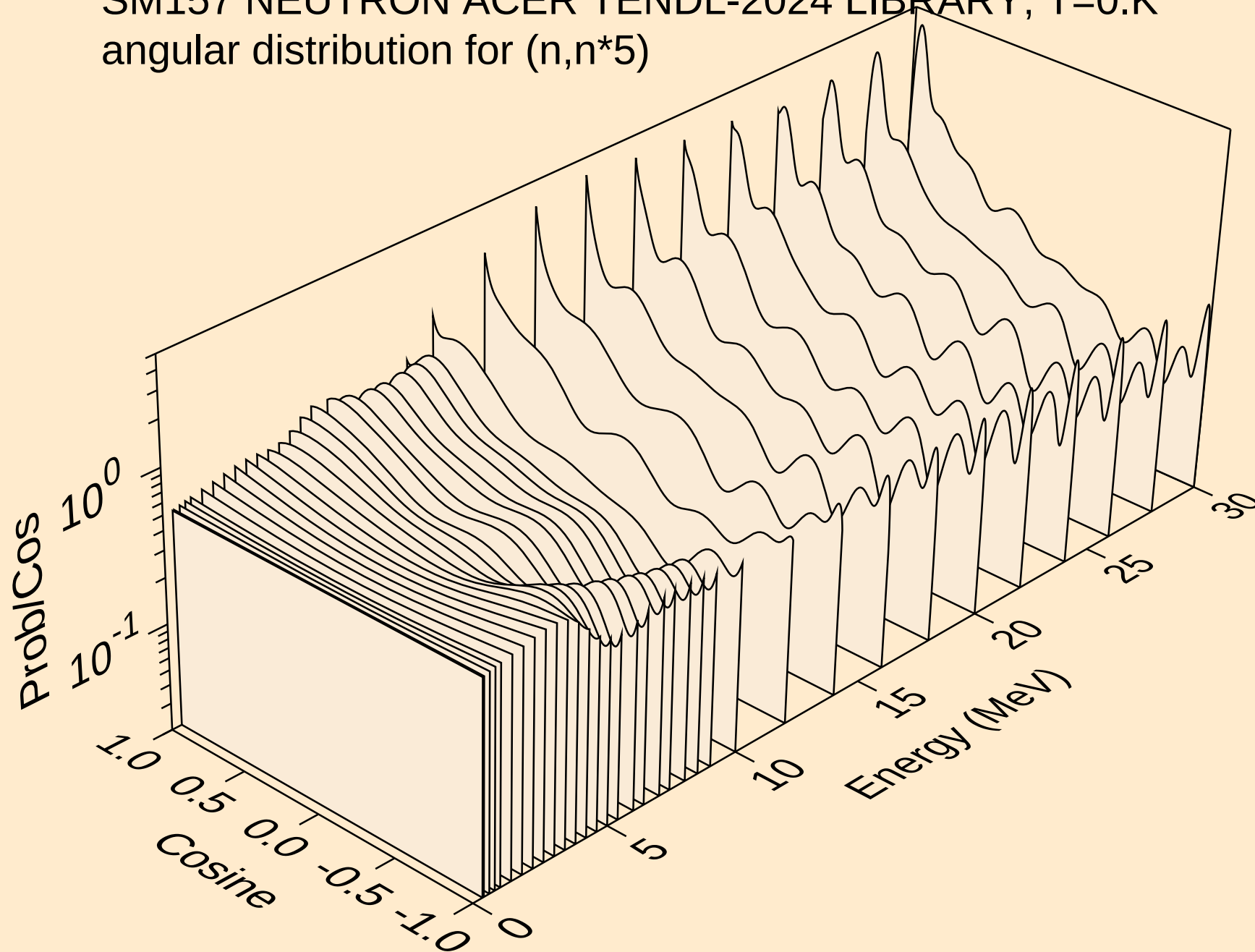
SM157 NEUTRON ACER TENDL-2024 LIBRARY;  $T=0.K$   
angular distribution for (n,n\*3)



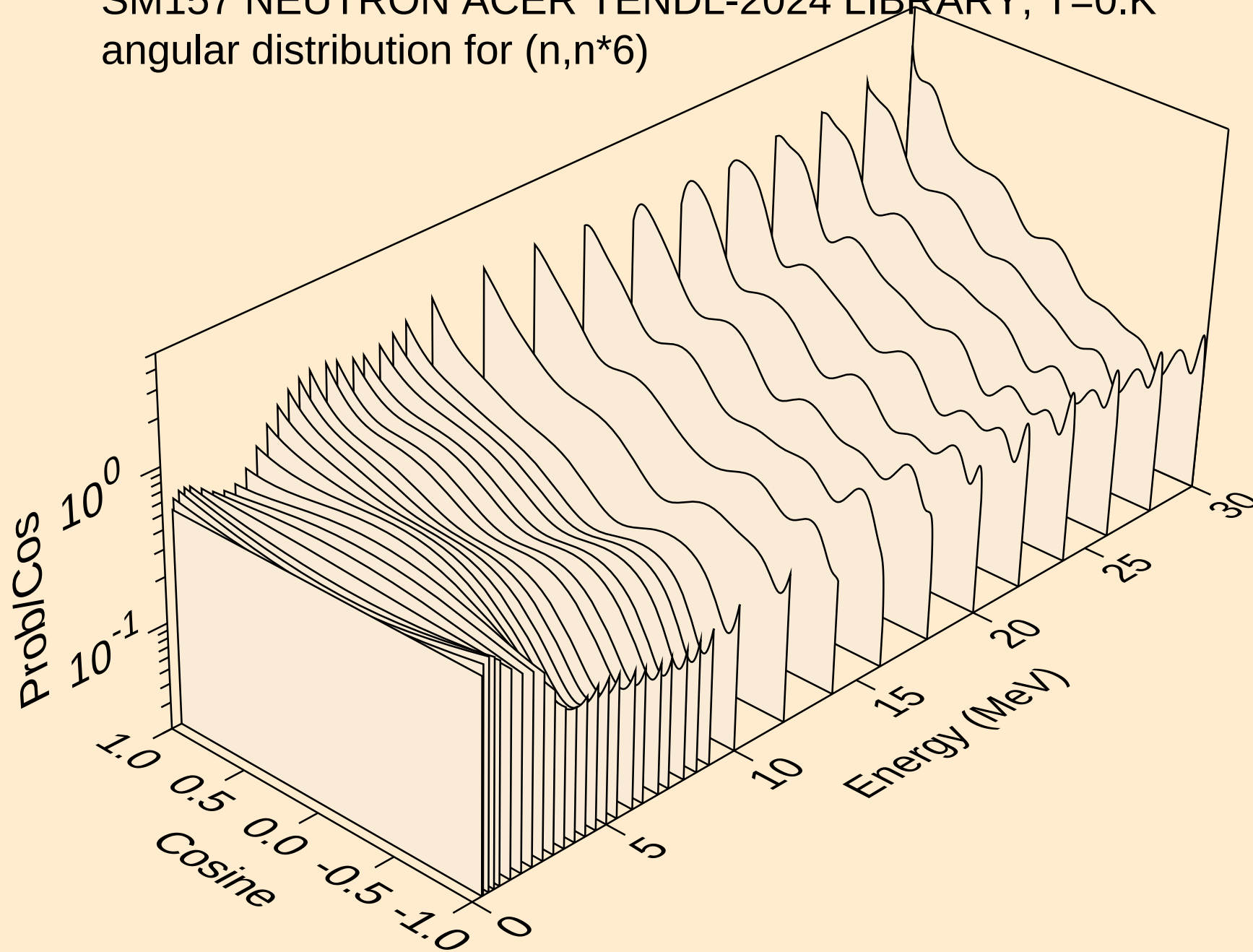
SM157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*4)



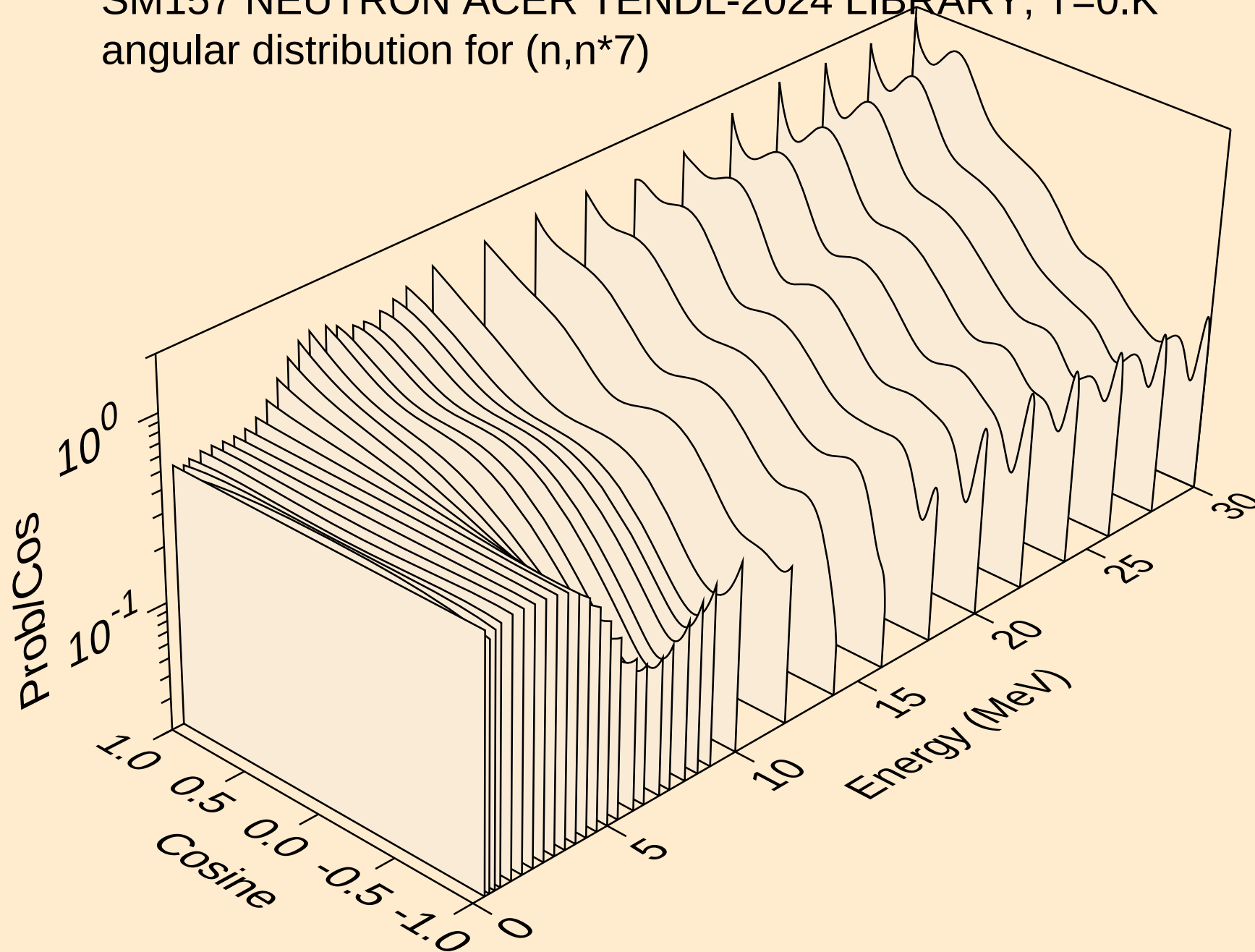
SM157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*5)



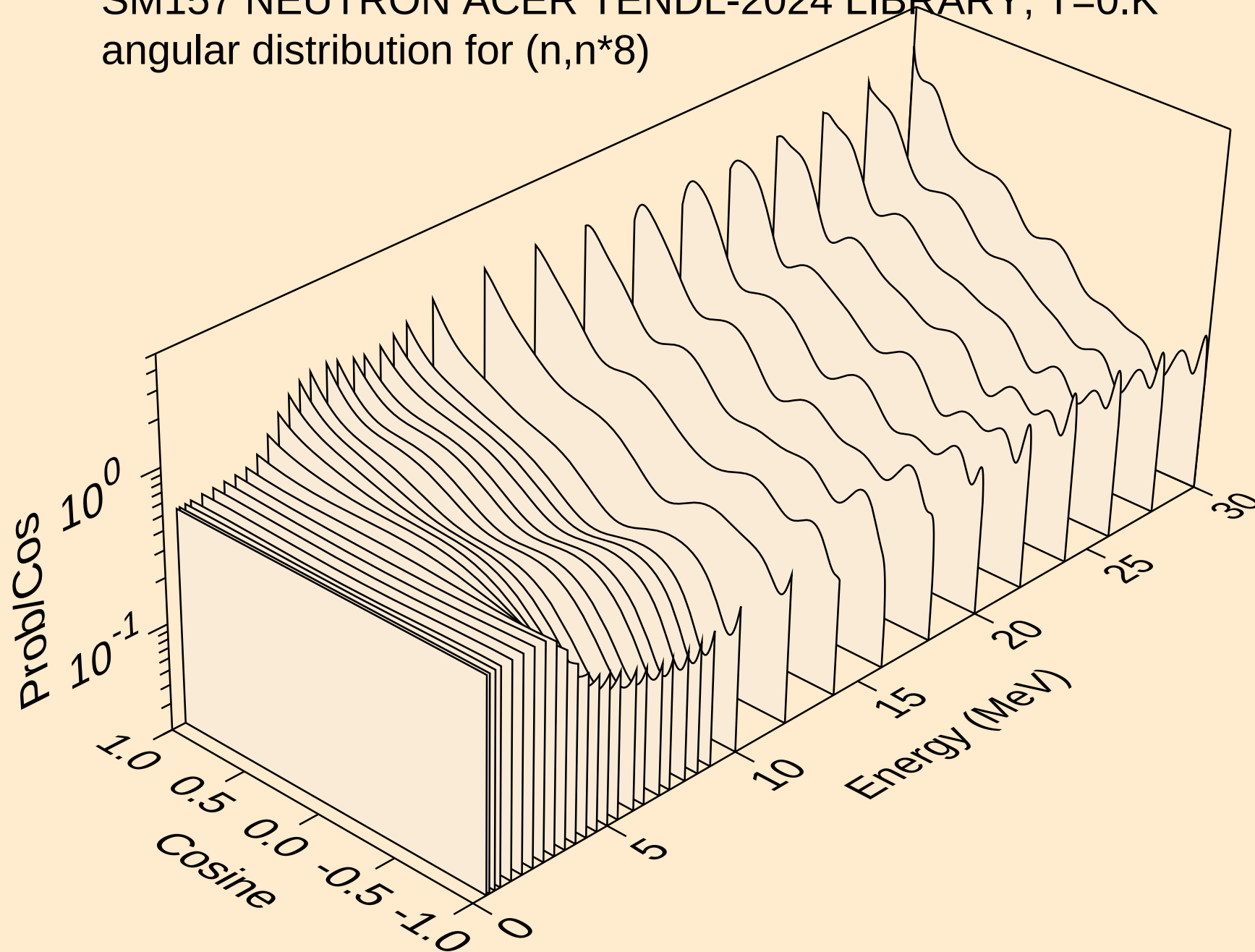
SM157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*6)



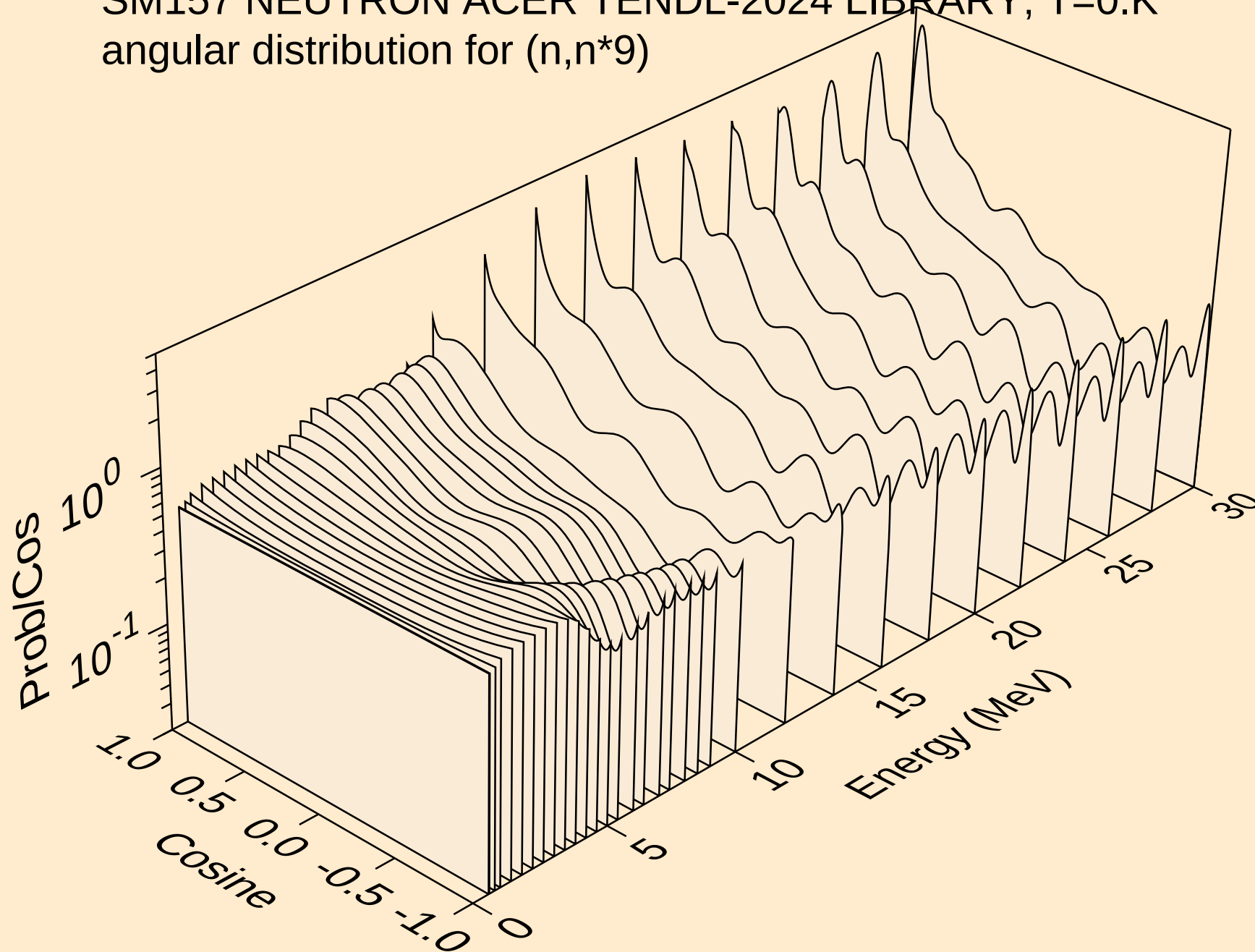
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angular distribution for (n,n\*7)



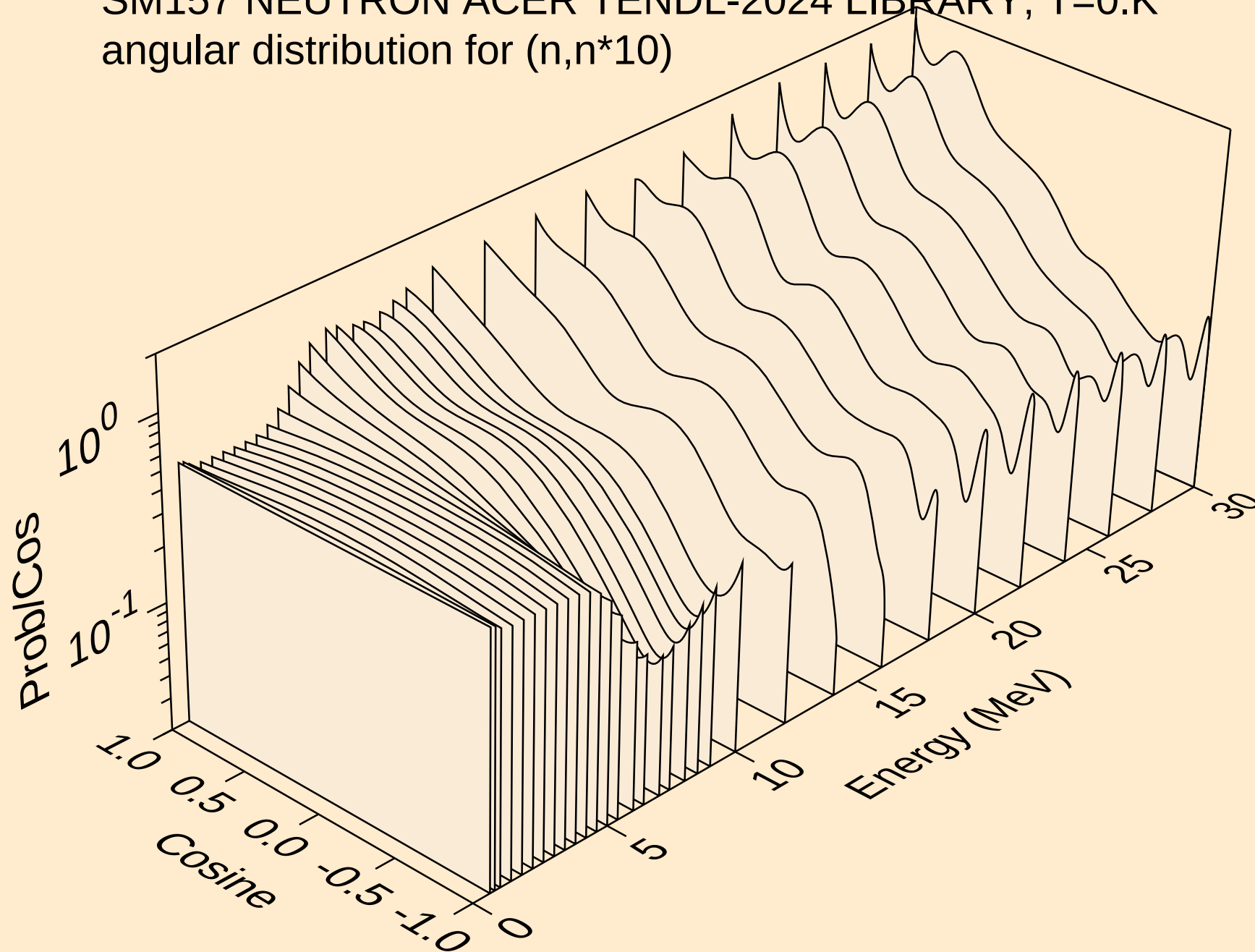
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angular distribution for (n,n\*8)



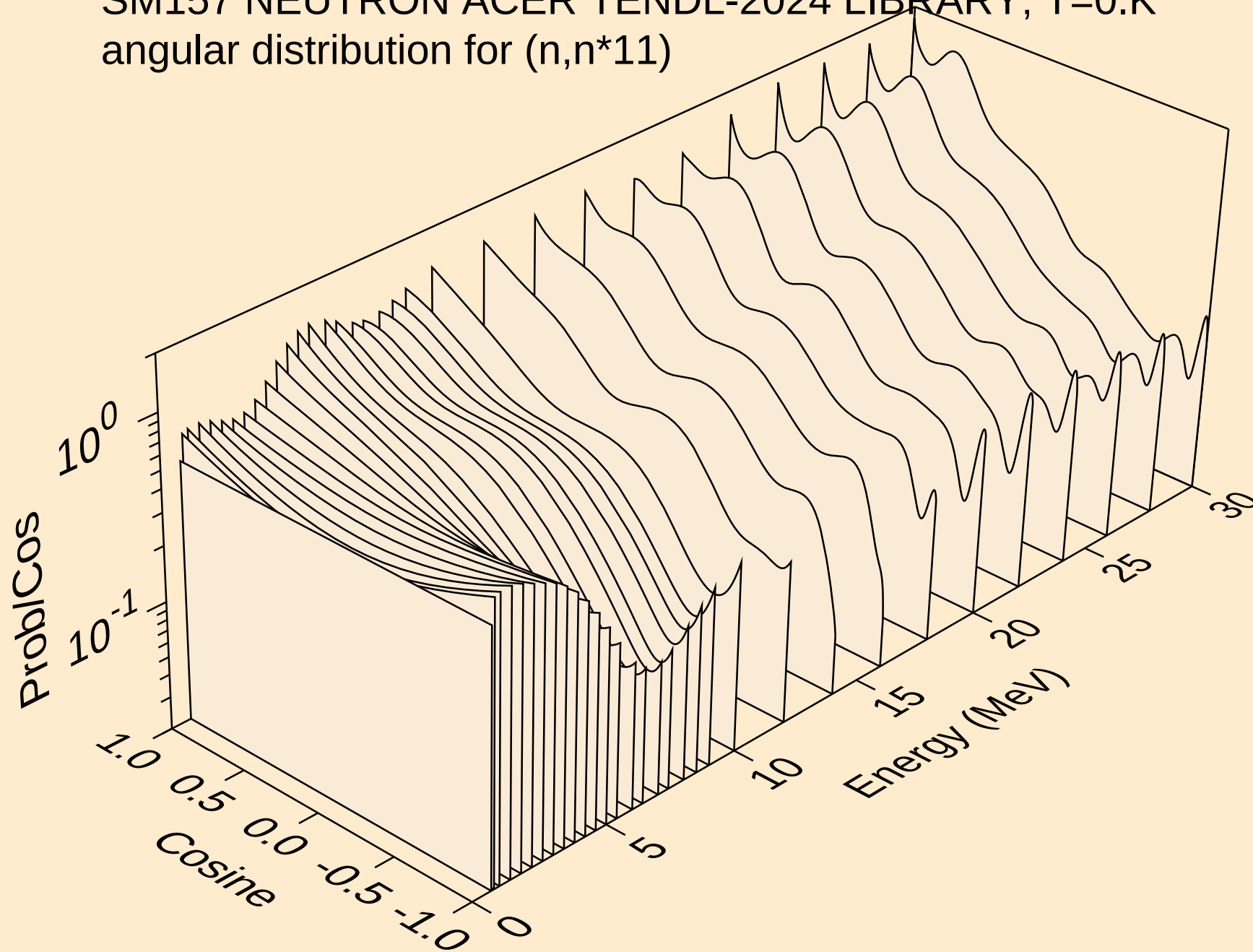
SM157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*9)



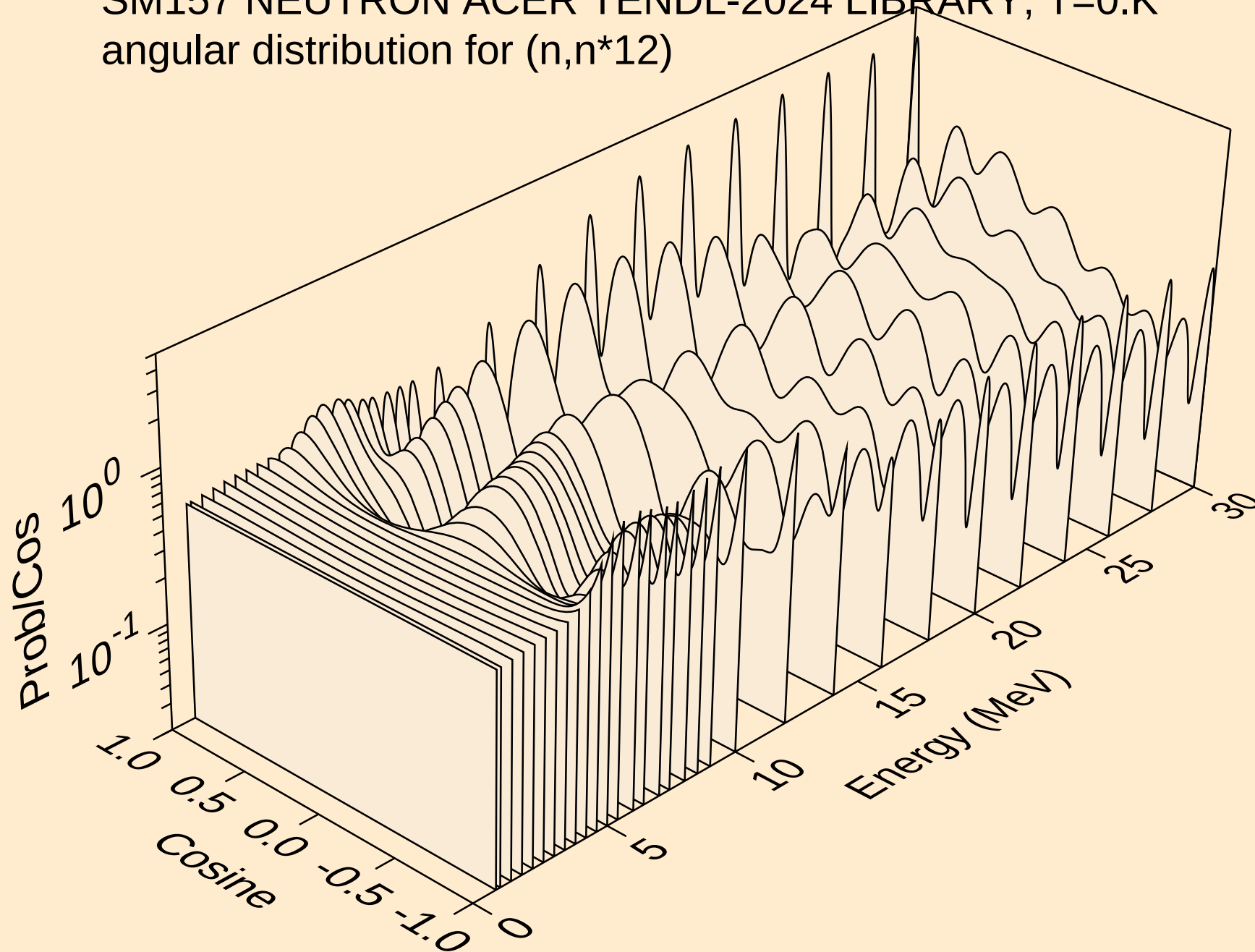
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angular distribution for (n,n\*10)



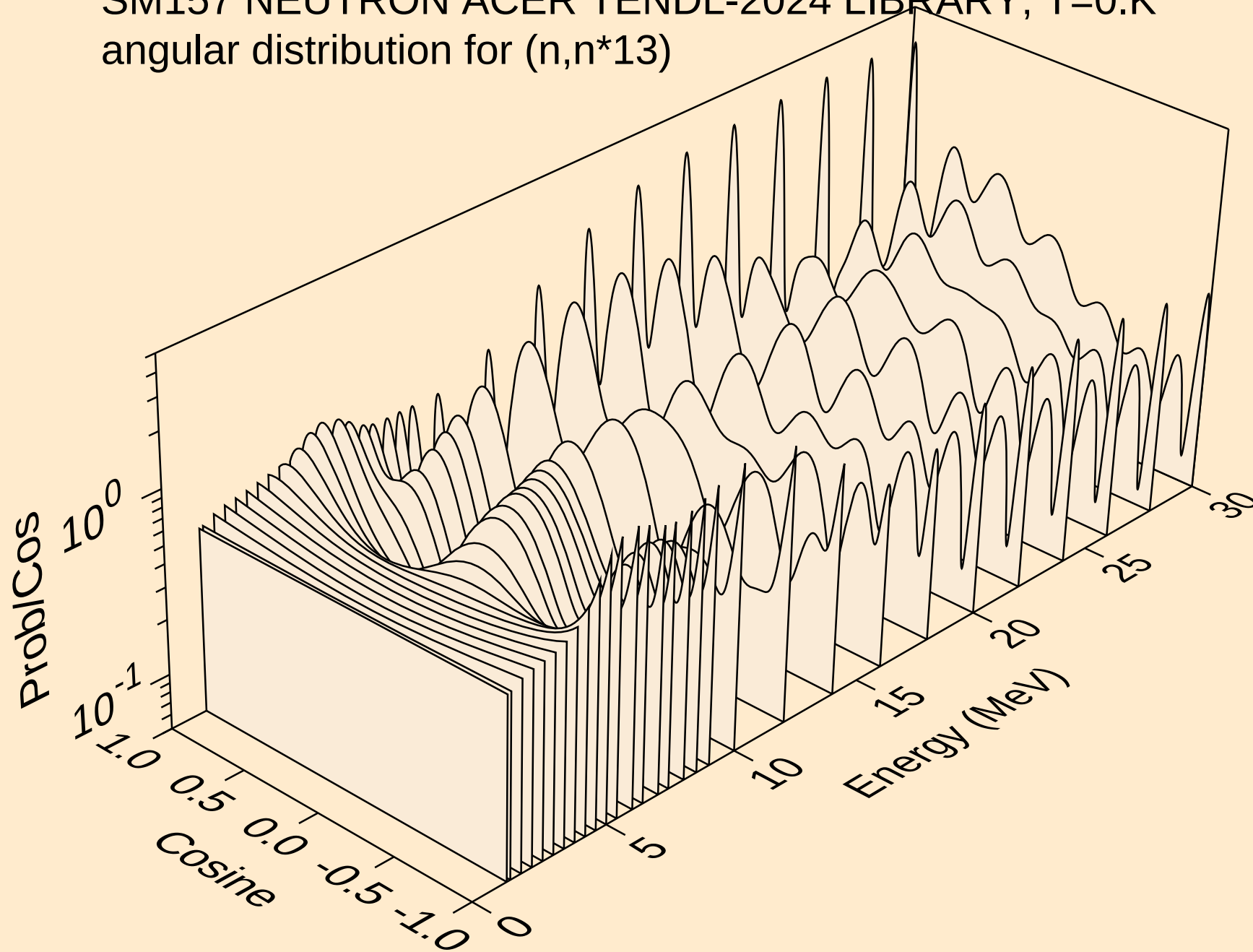
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angular distribution for (n,n\*11)



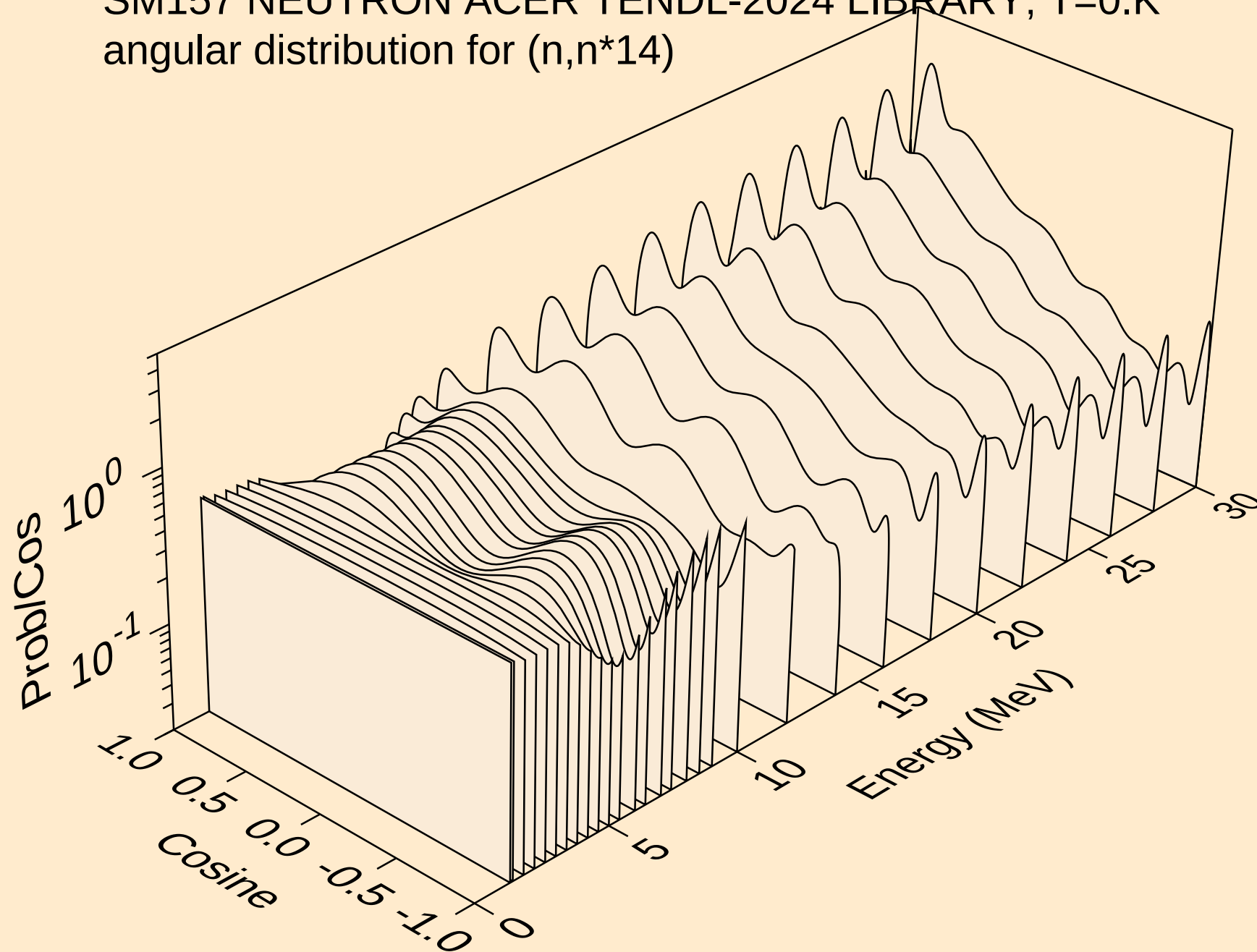
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angular distribution for (n,n\*12)



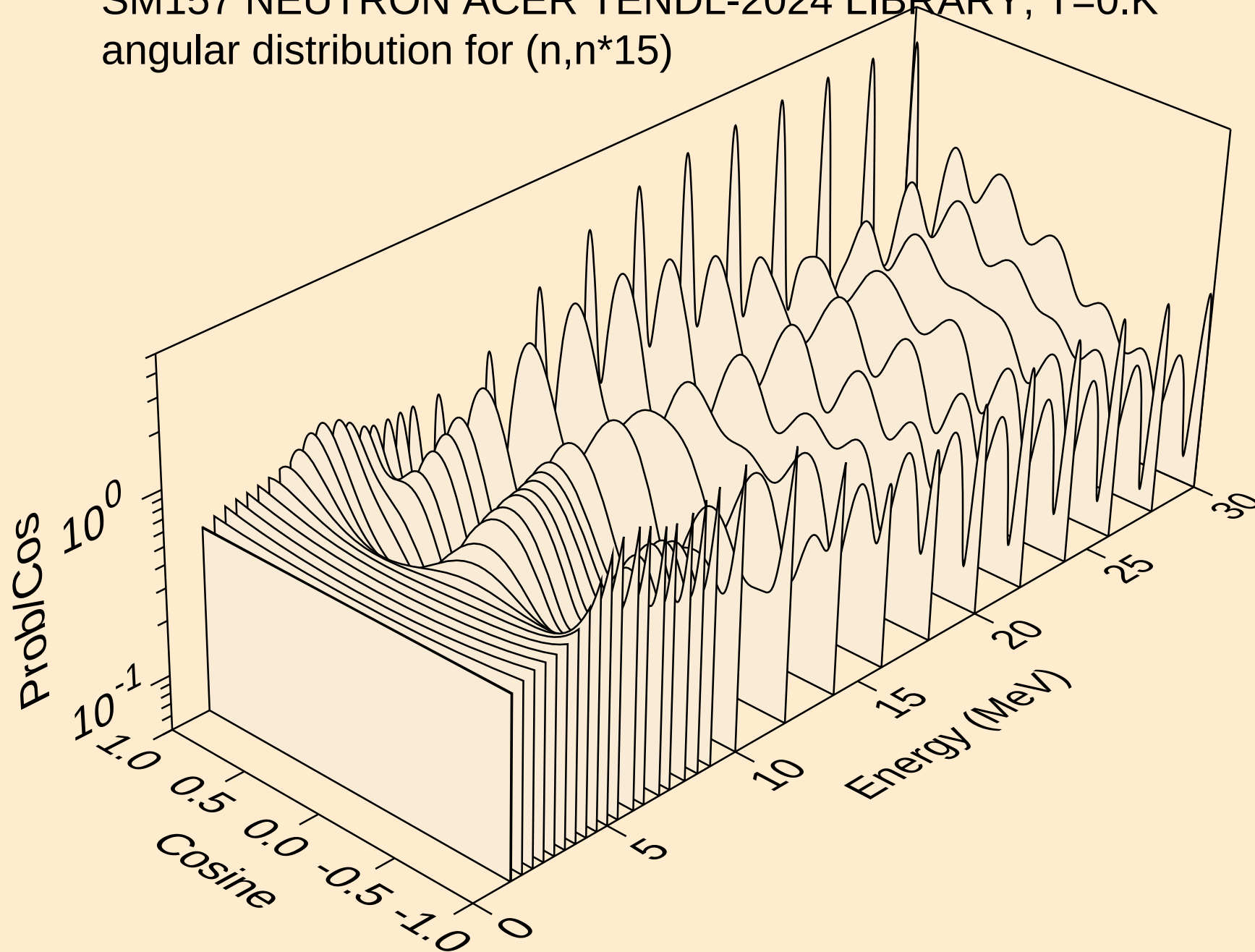
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angular distribution for (n,n\*13)



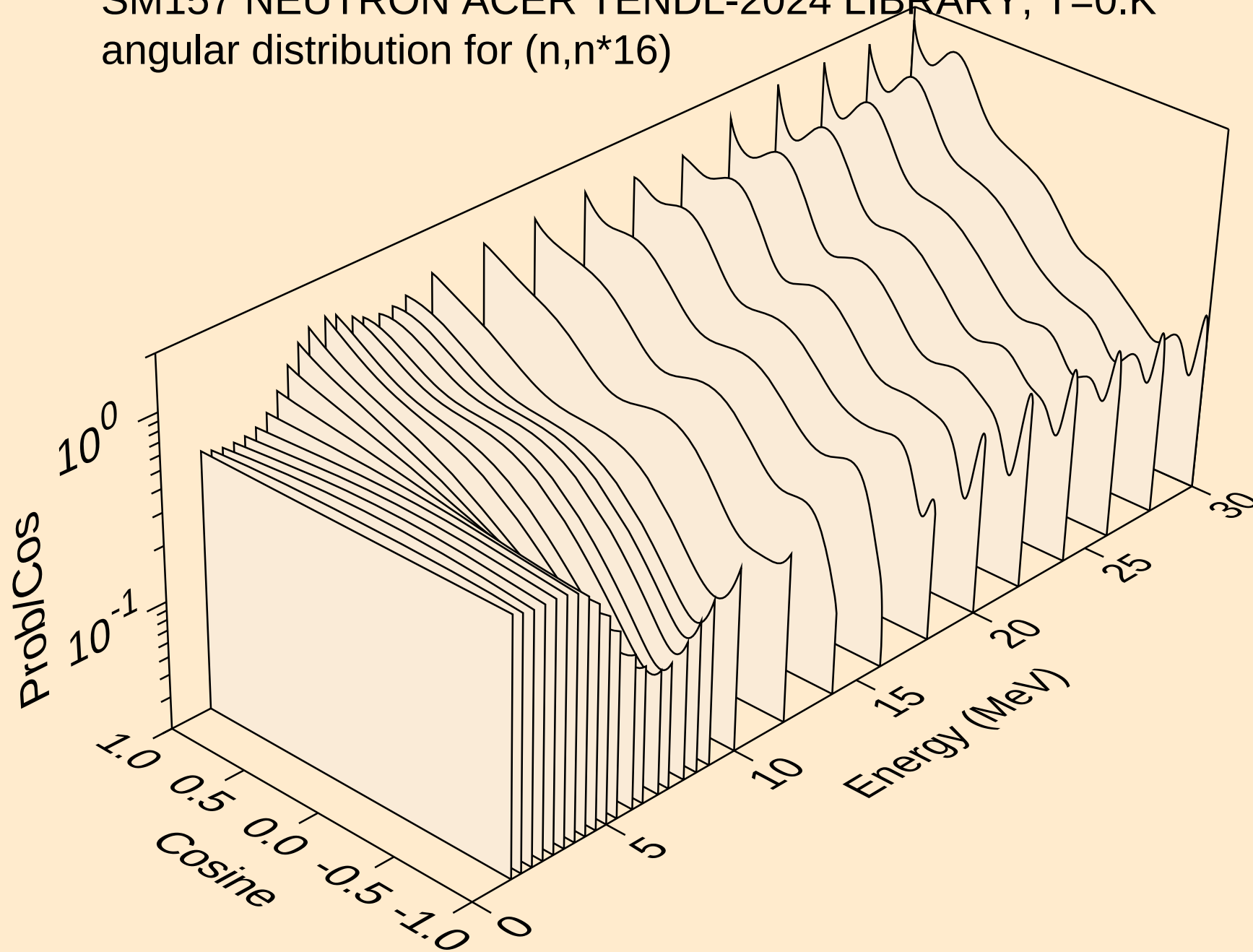
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angular distribution for (n,n\*14)



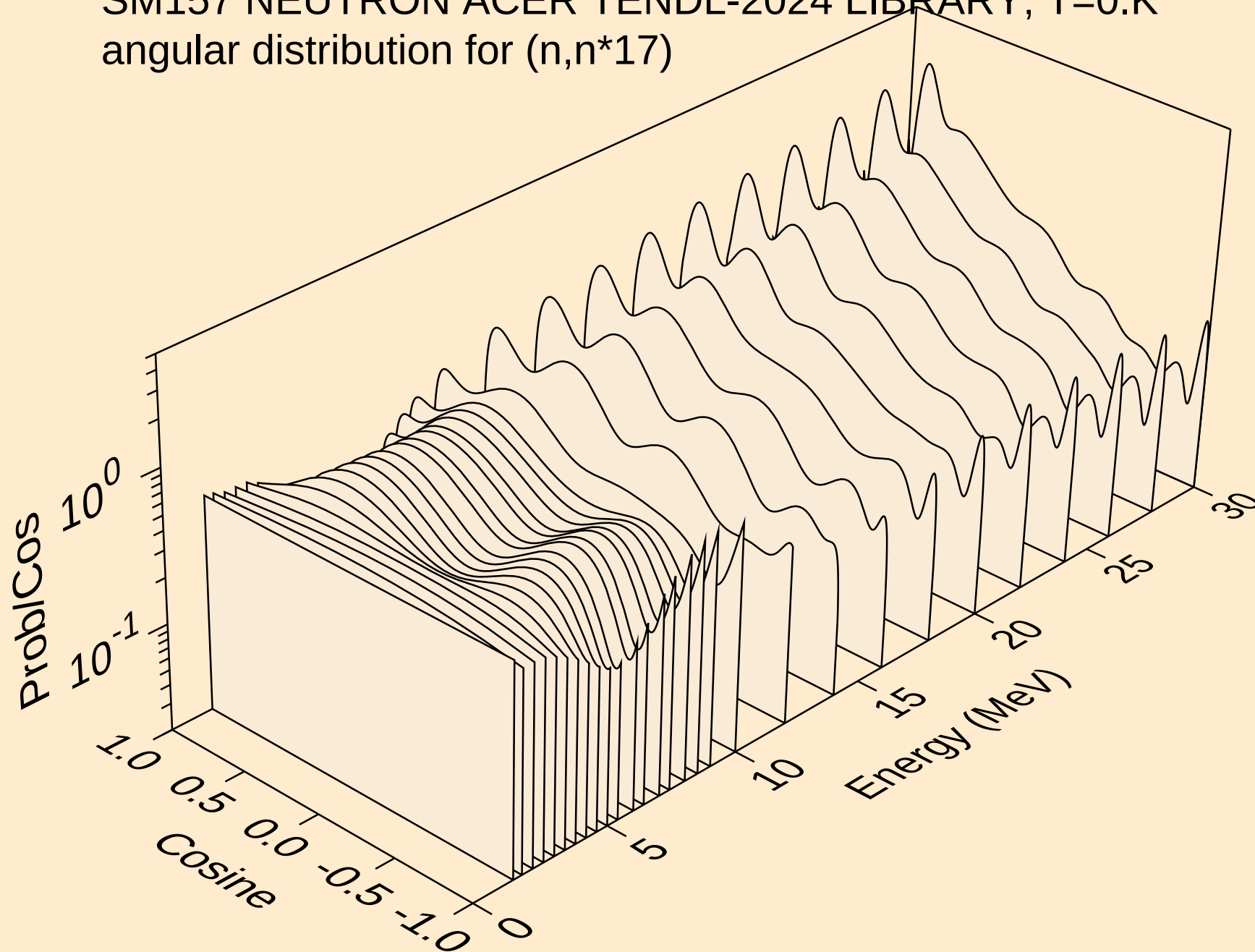
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angular distribution for (n,n\*15)



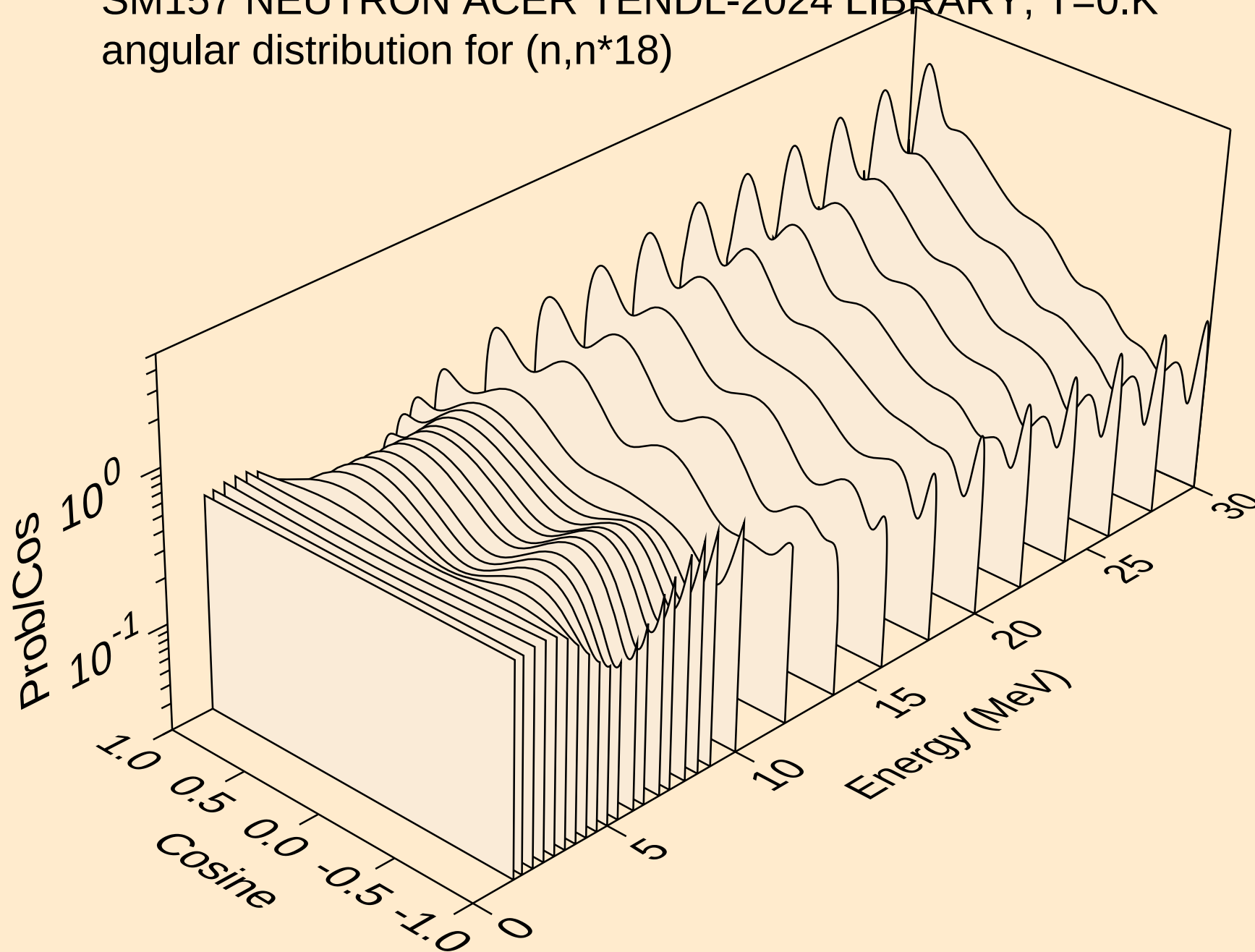
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angular distribution for (n,n\*16)



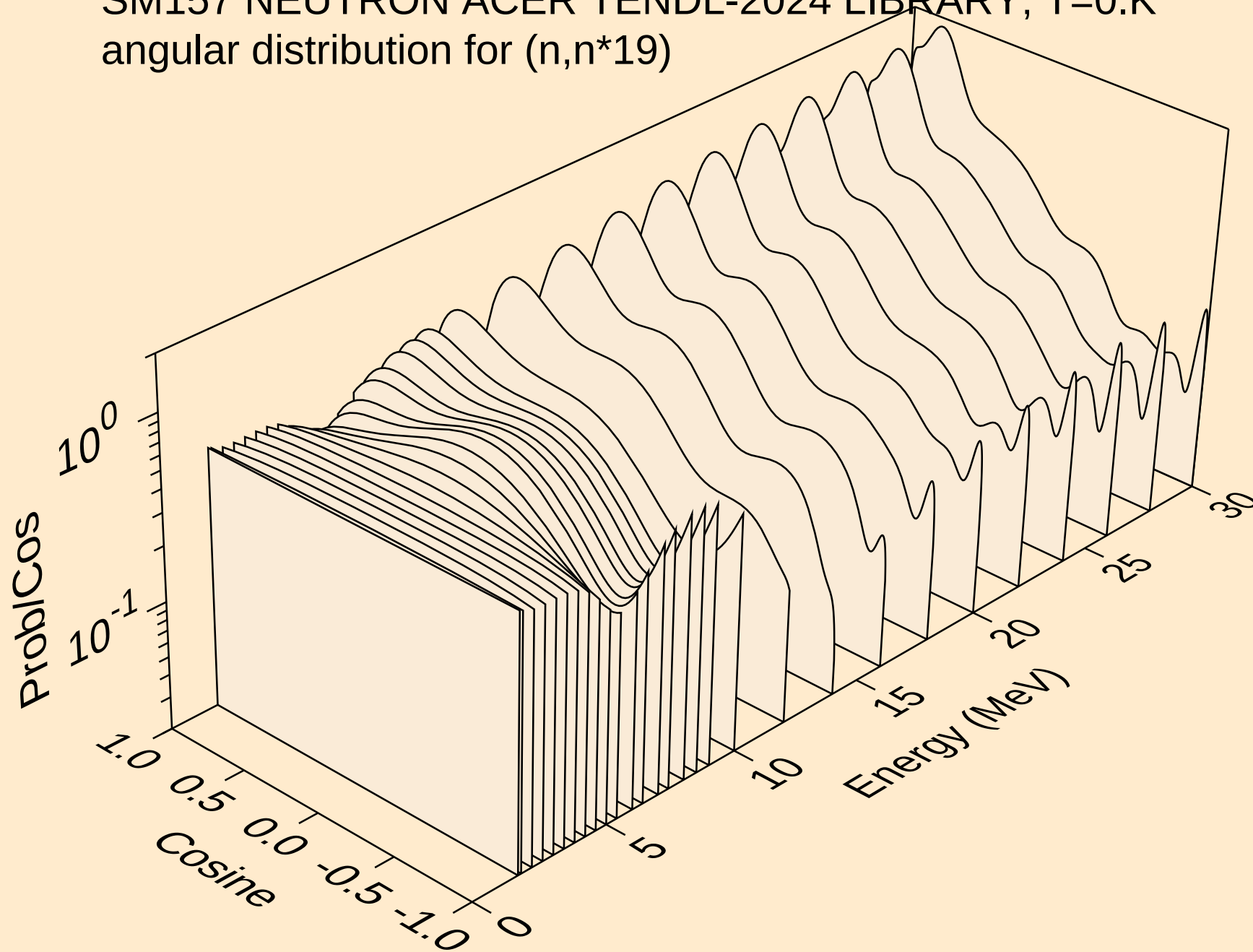
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angular distribution for (n,n\*17)



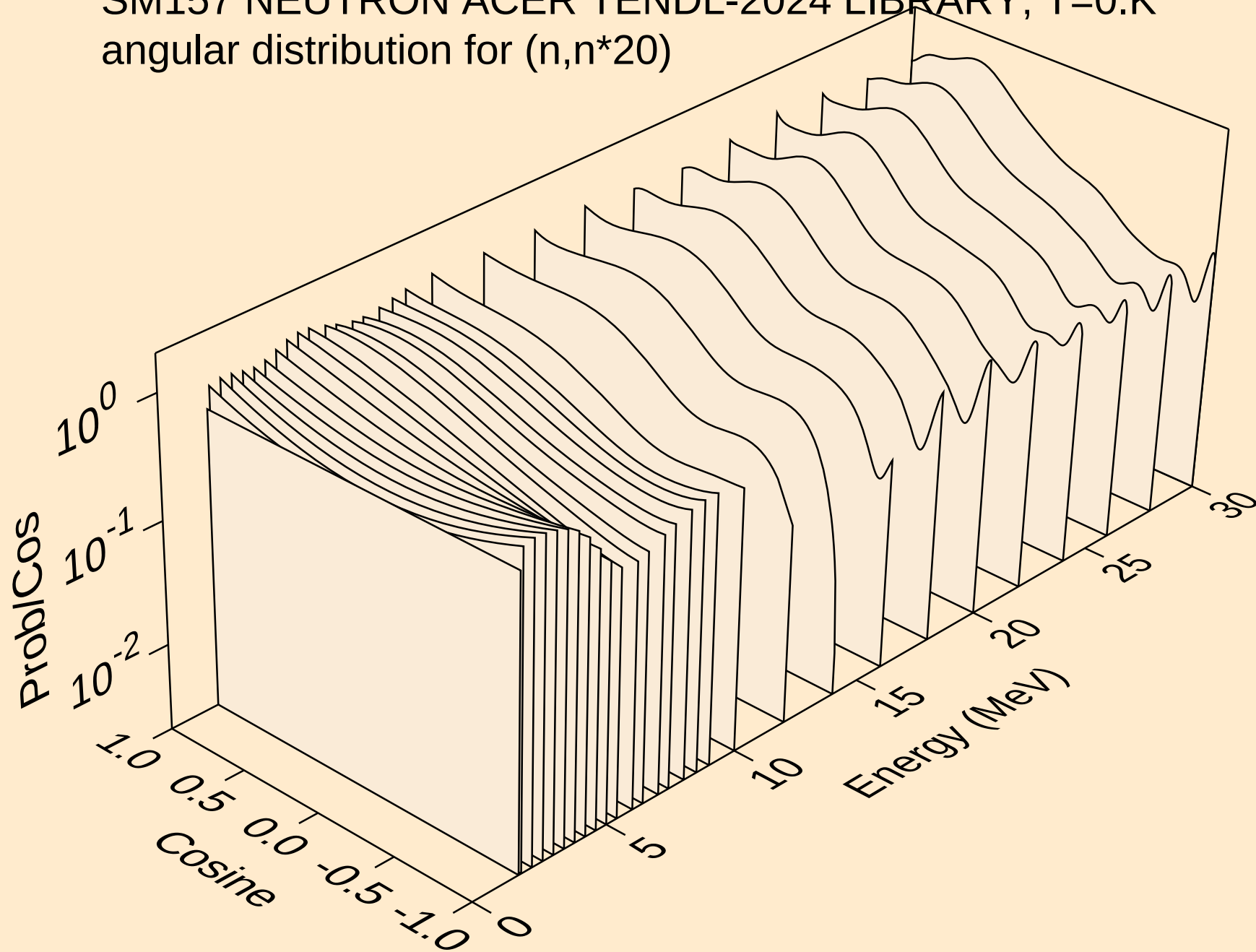
SM157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*18)



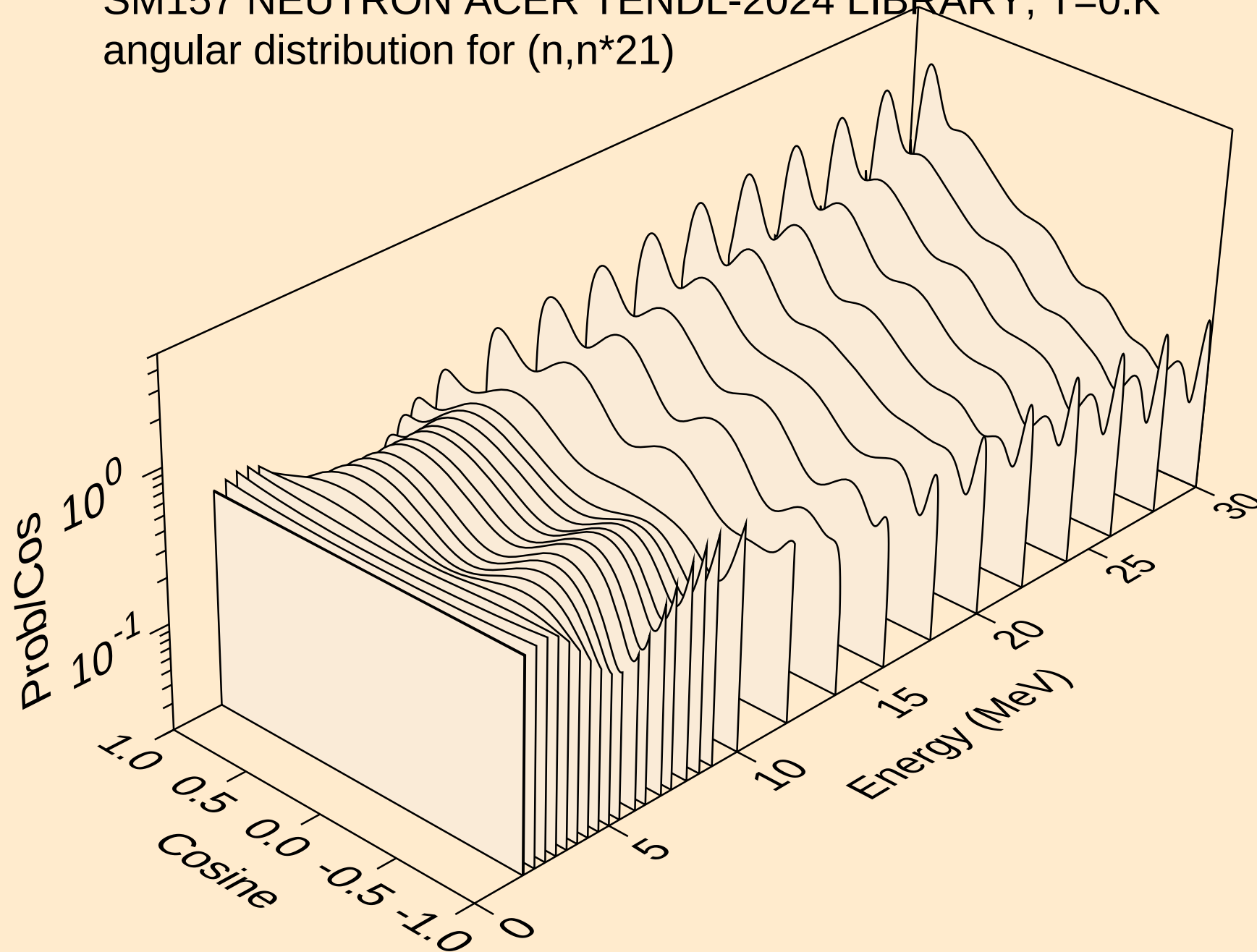
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angular distribution for (n,n\*19)



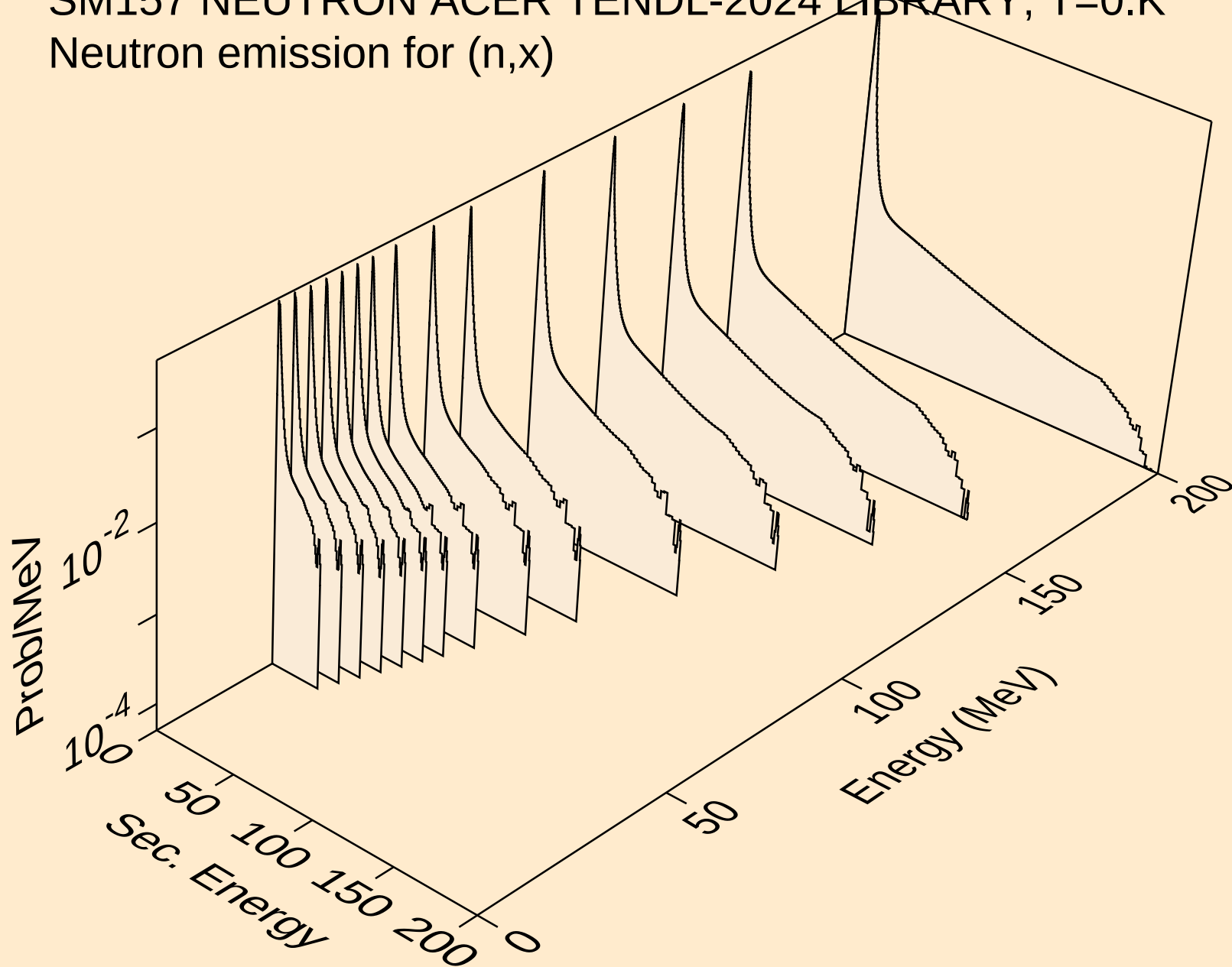
SM157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*20)



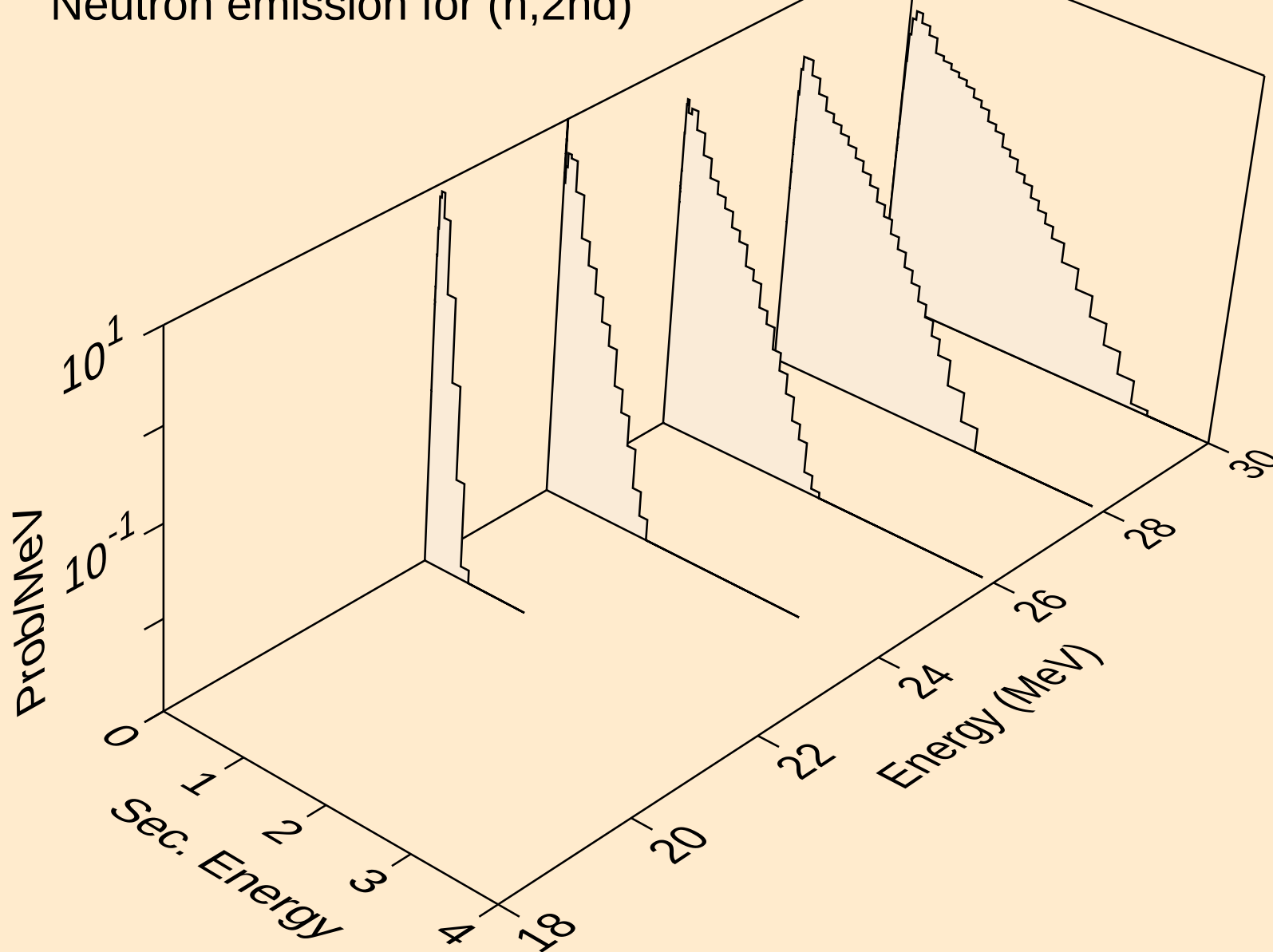
SM157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*21)



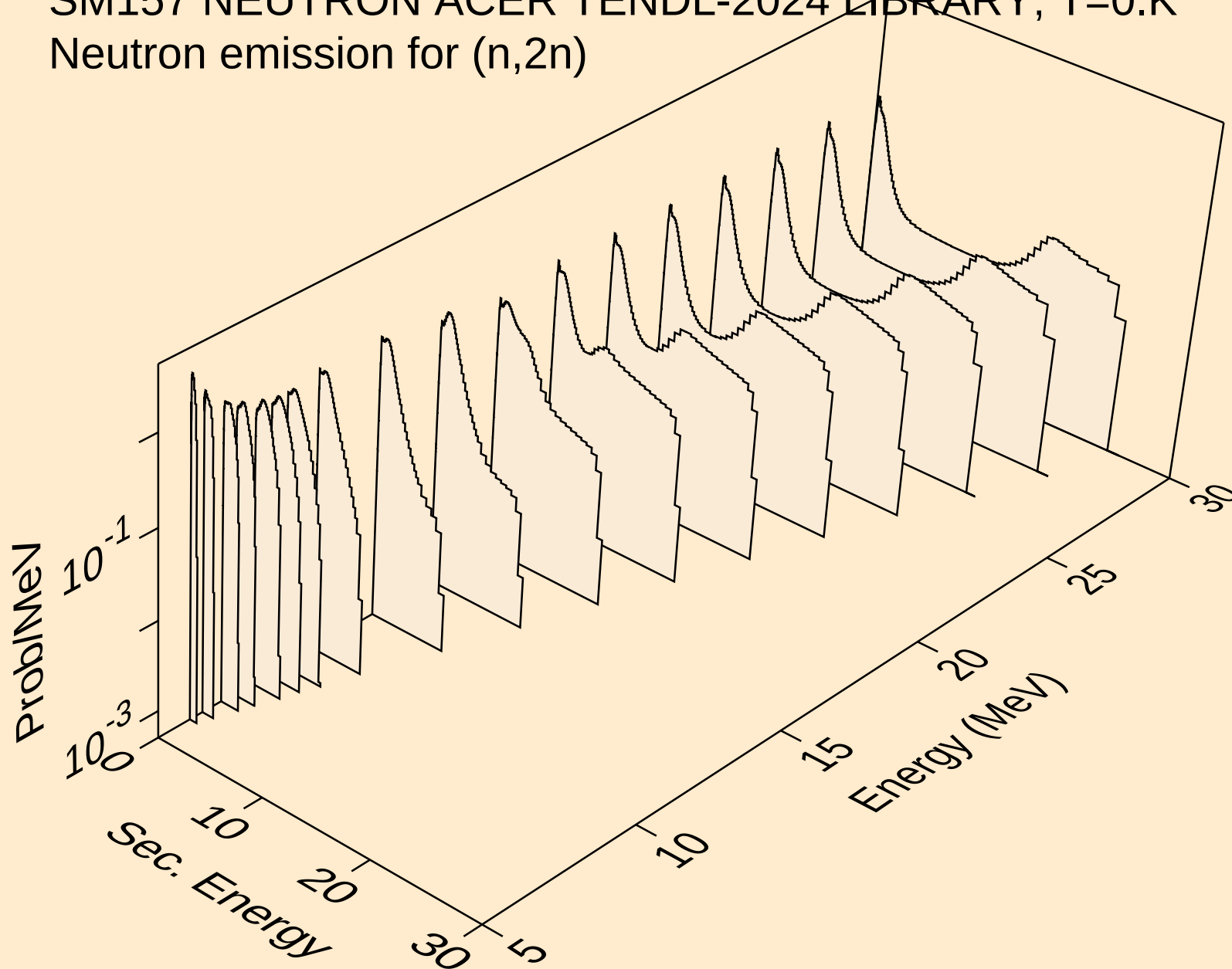
SM157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,x)



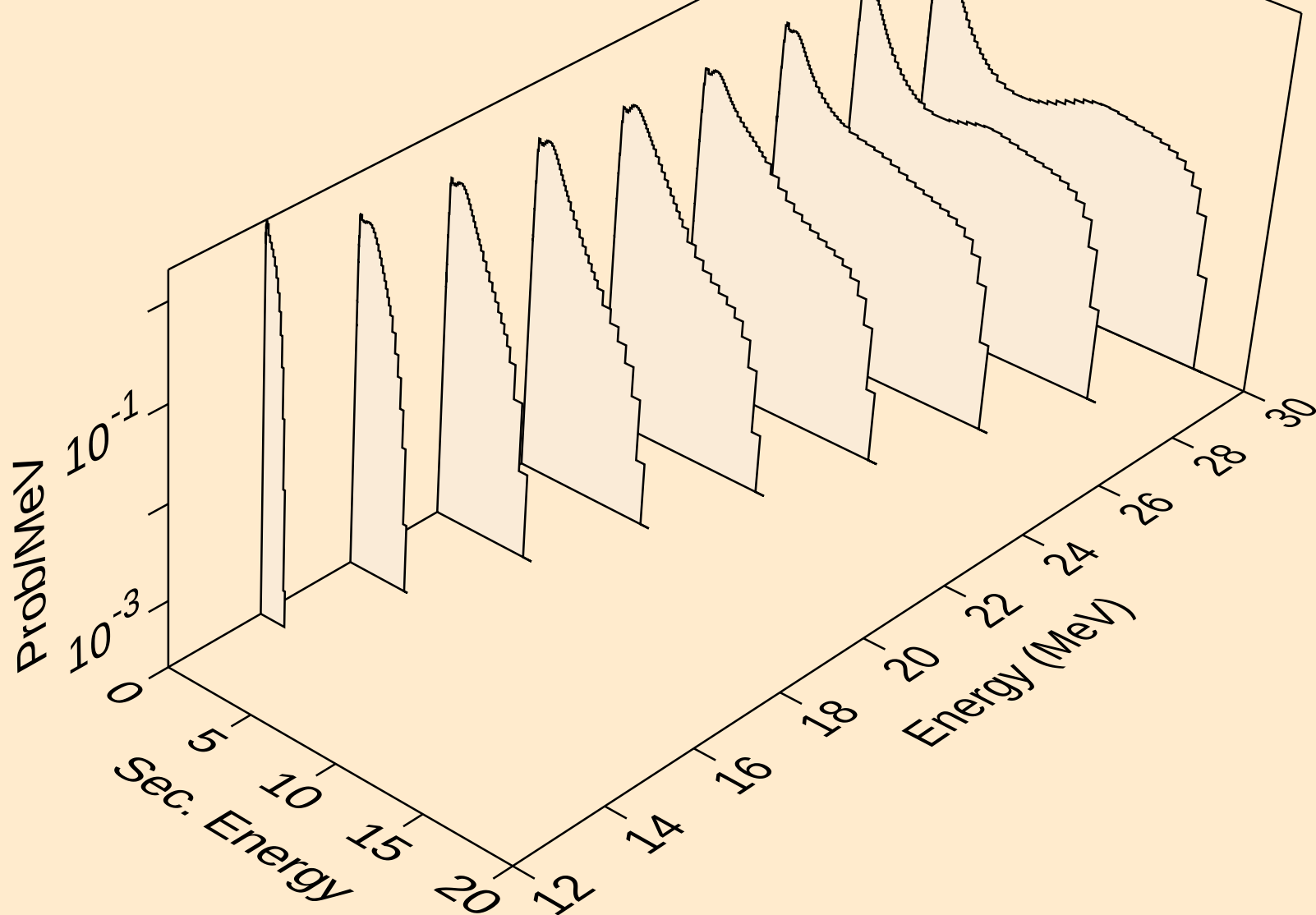
SM157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



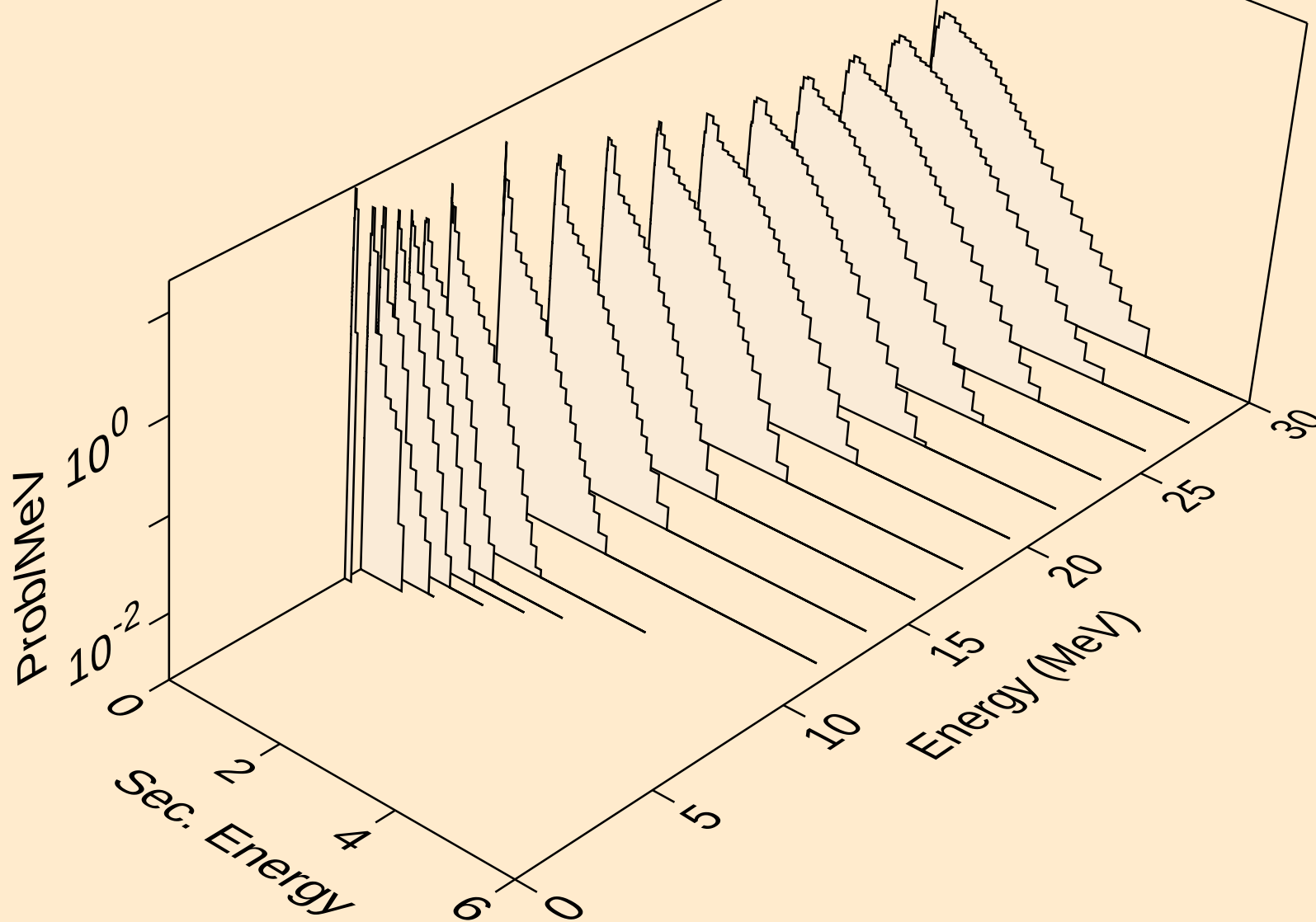
SM157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)



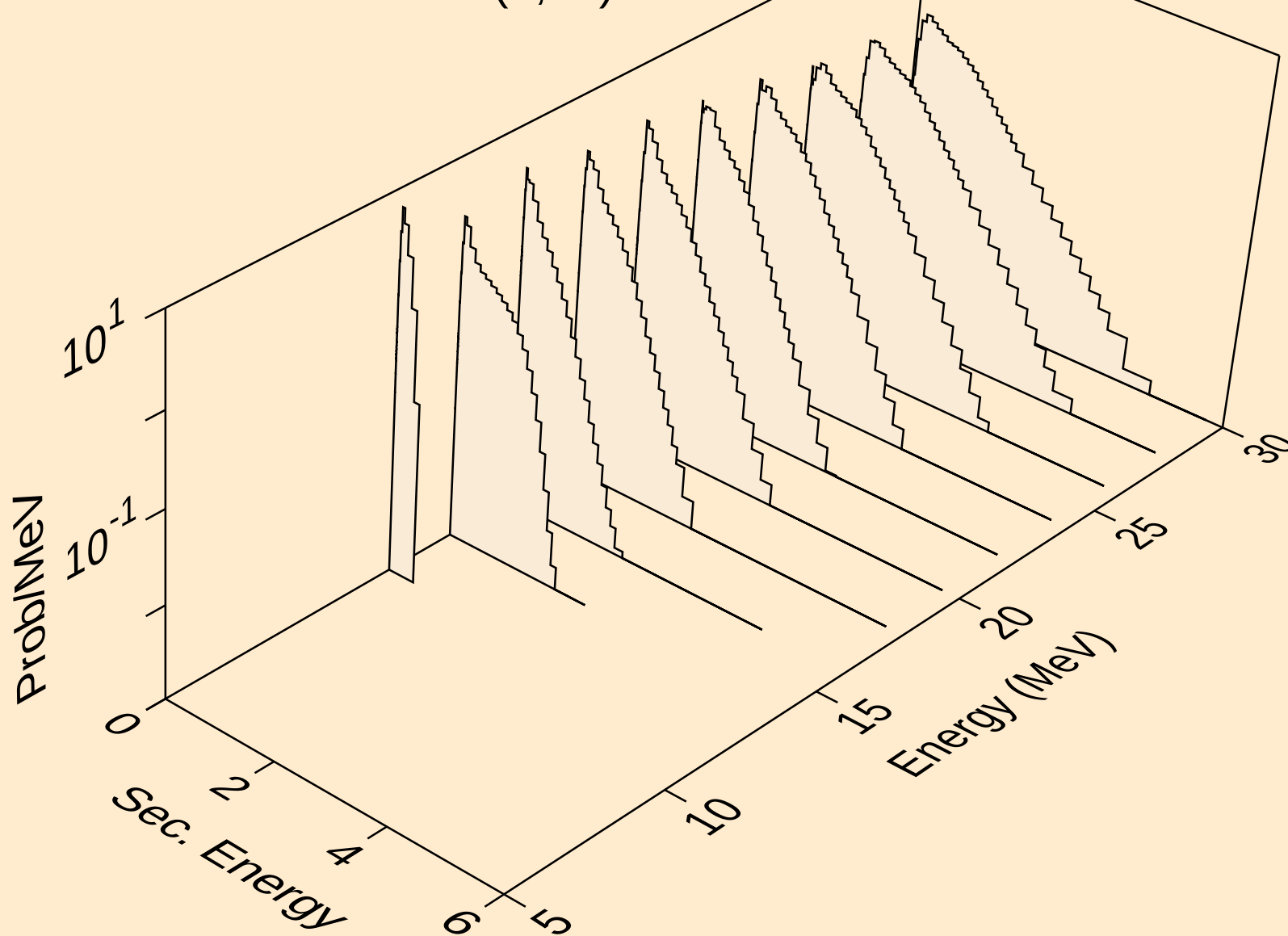
SM157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)



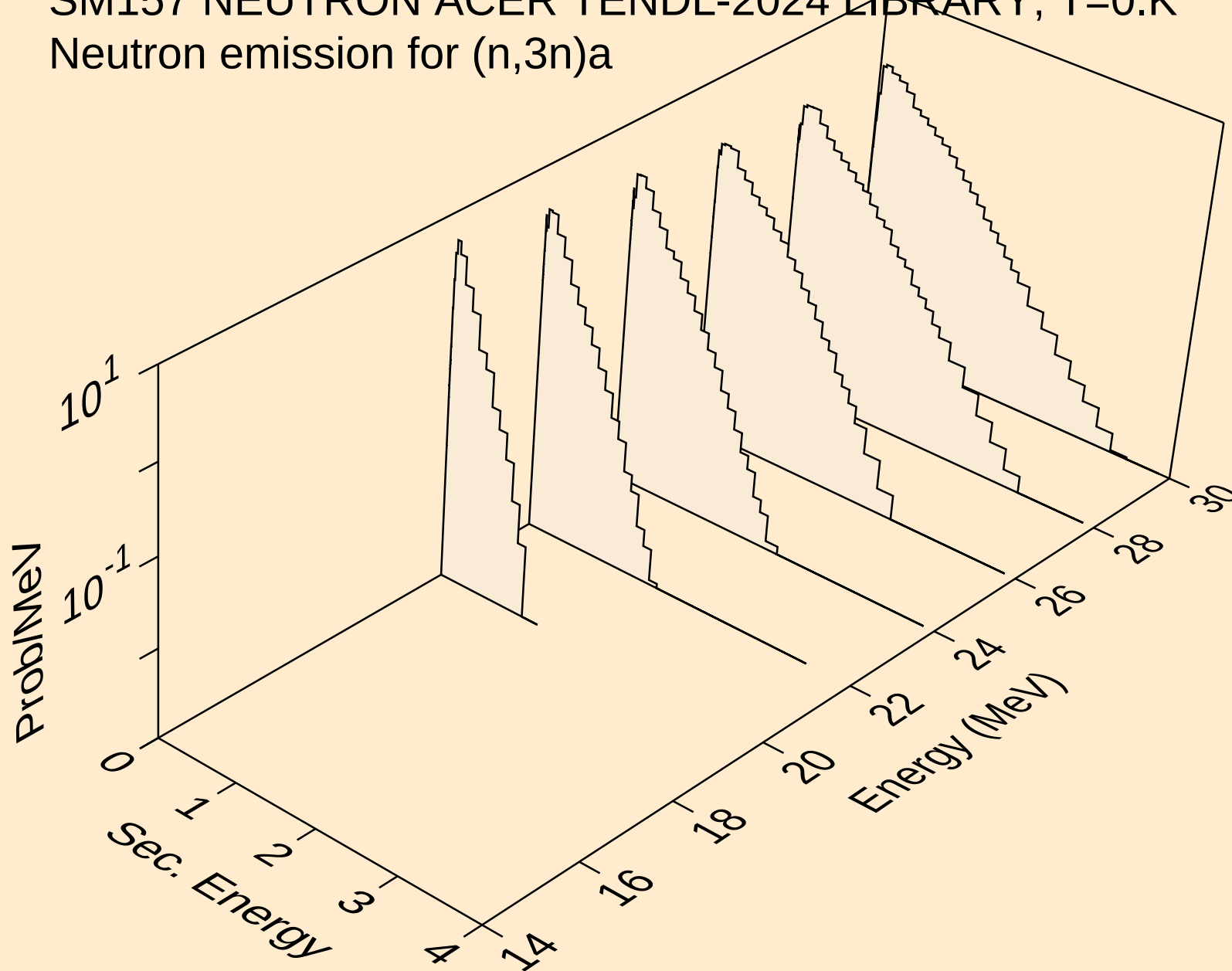
SM157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



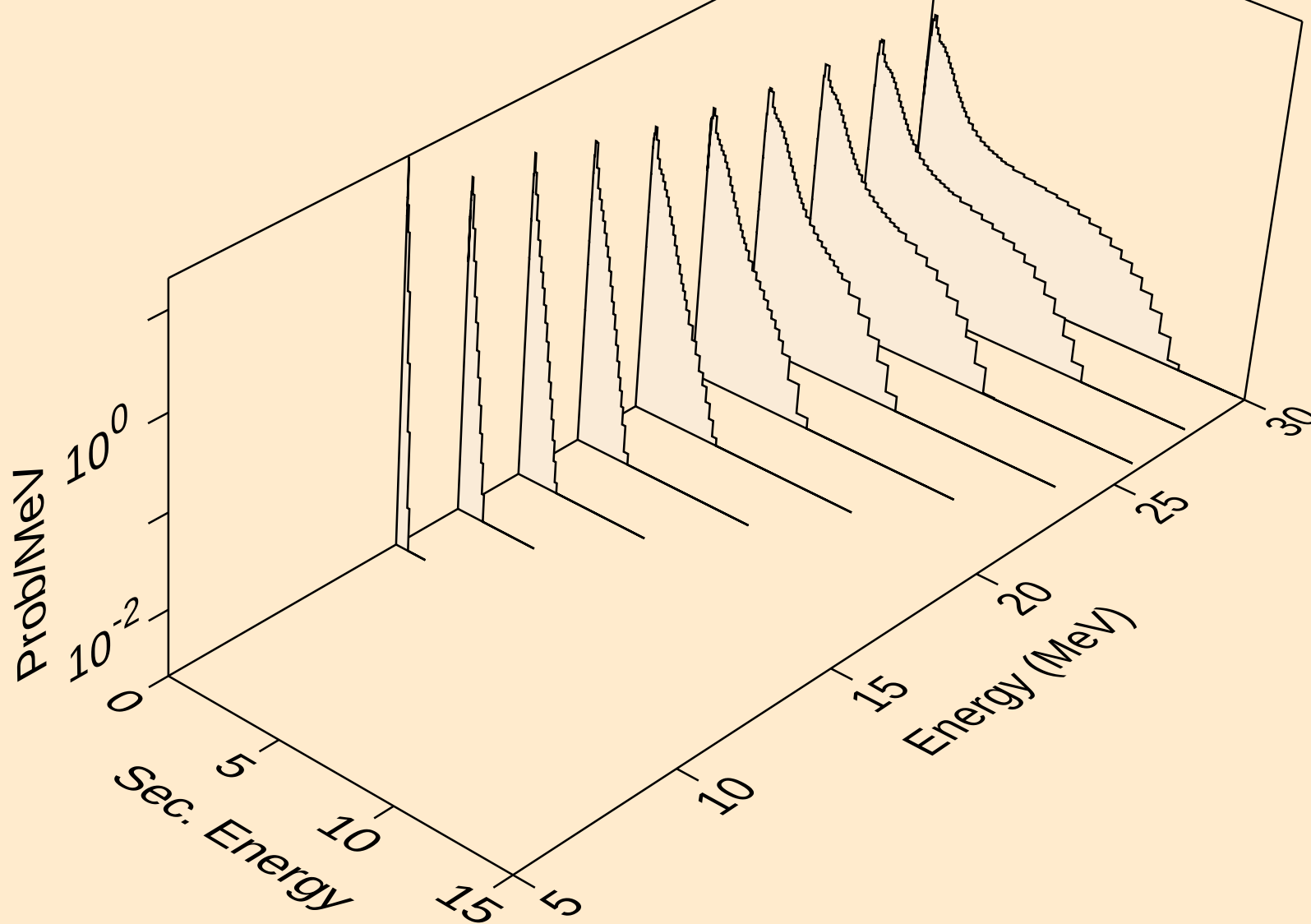
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Neutron emission for (n,2n)<sub>a</sub>



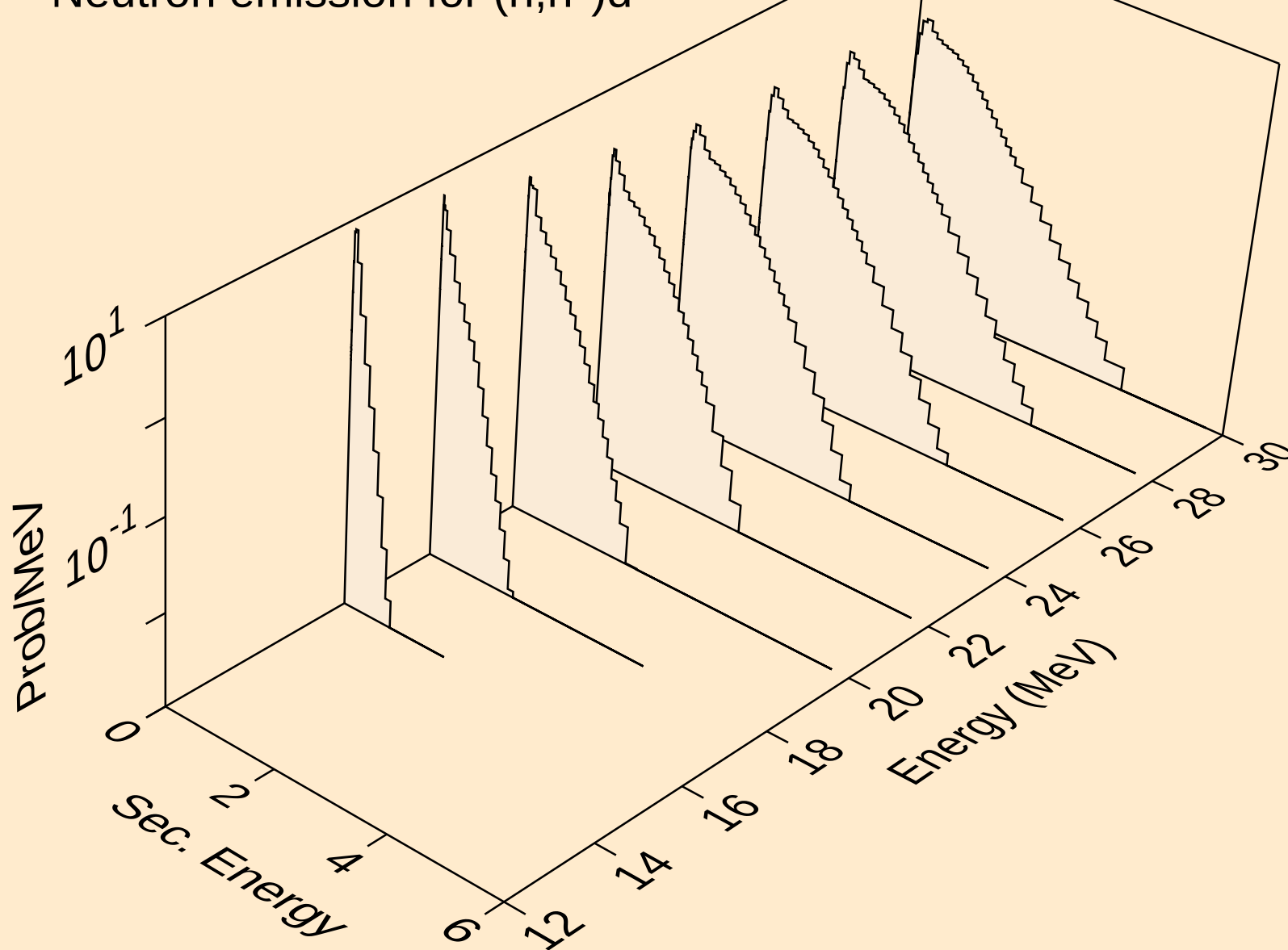
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Neutron emission for (n,3n)a



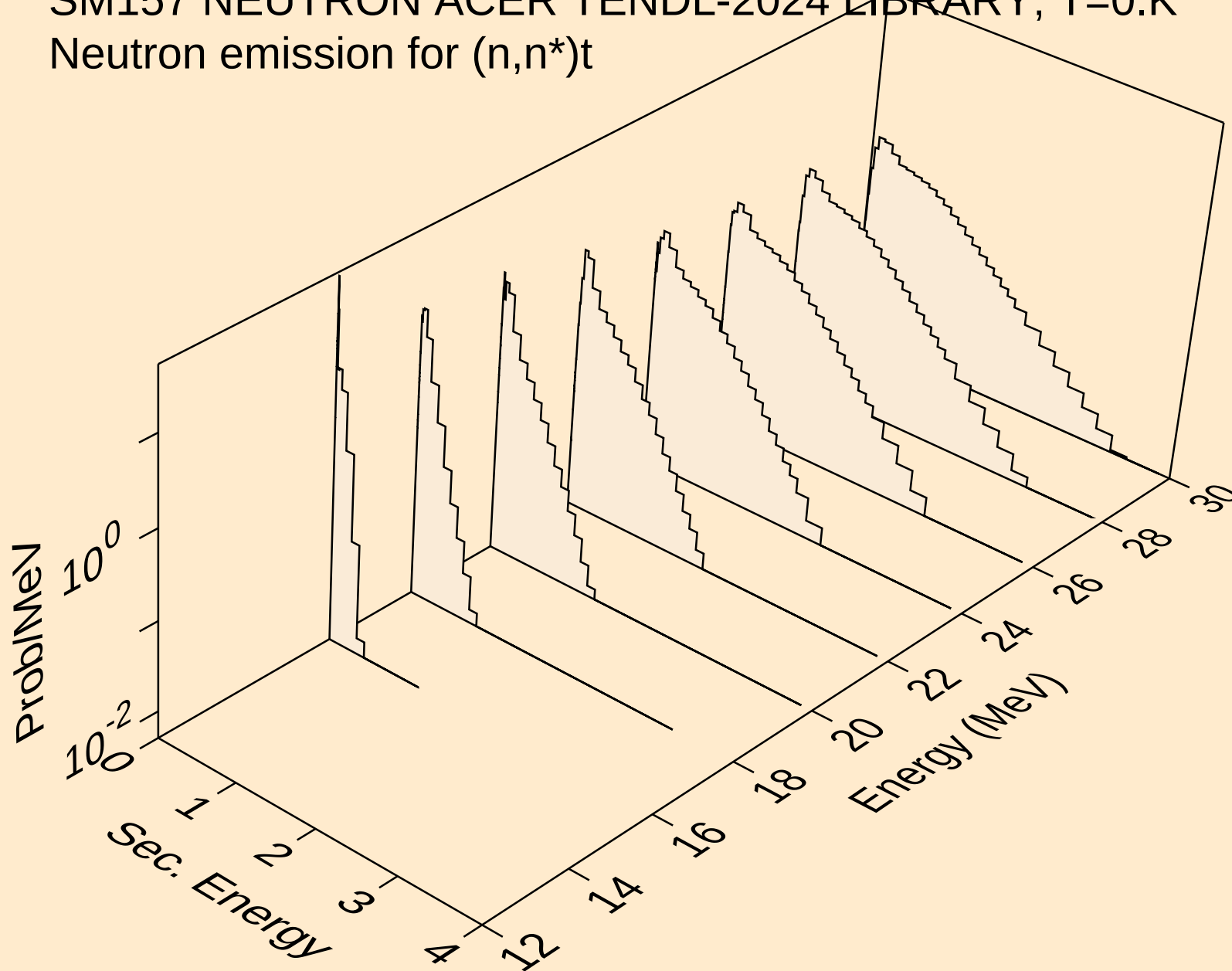
SM157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



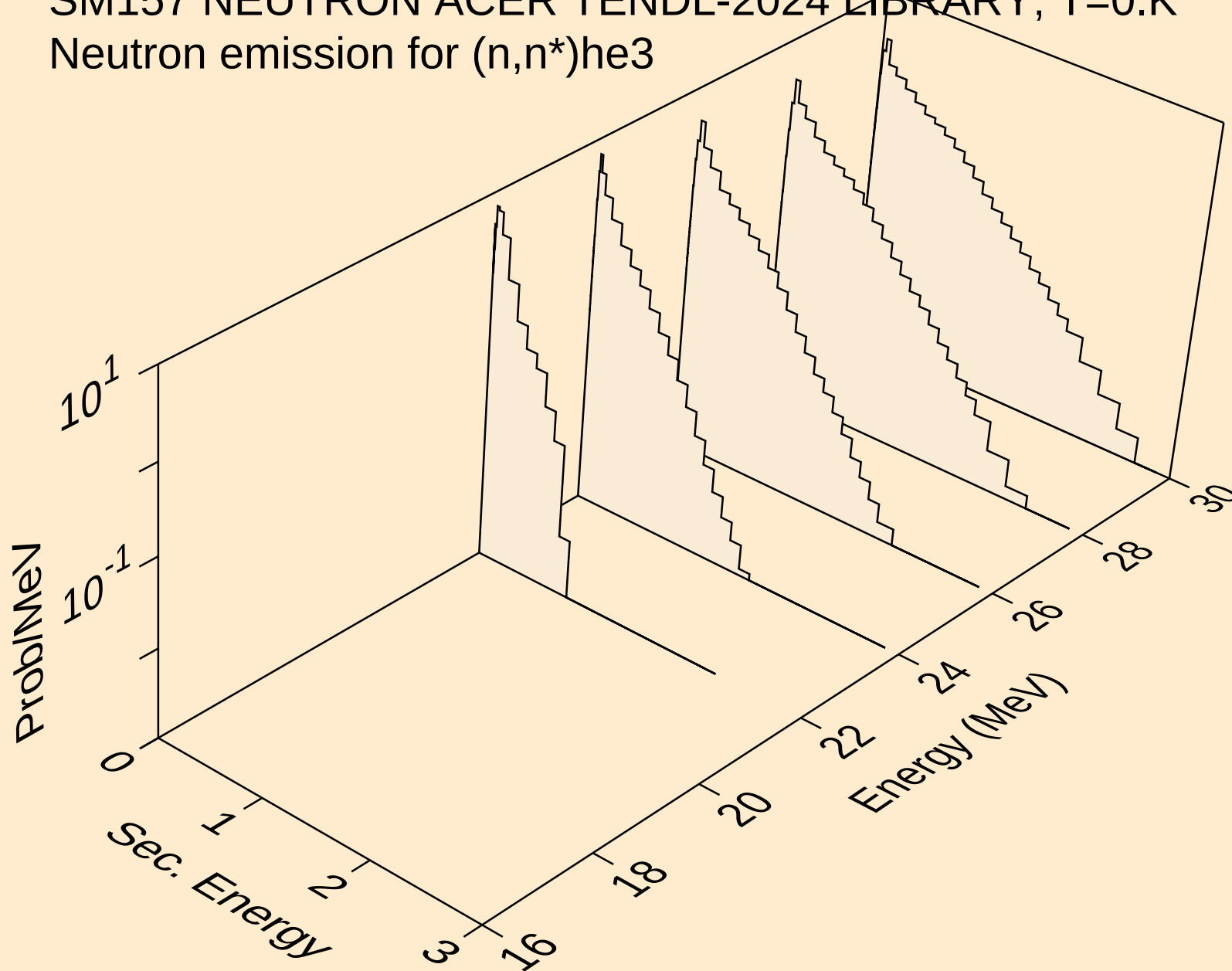
SM157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d



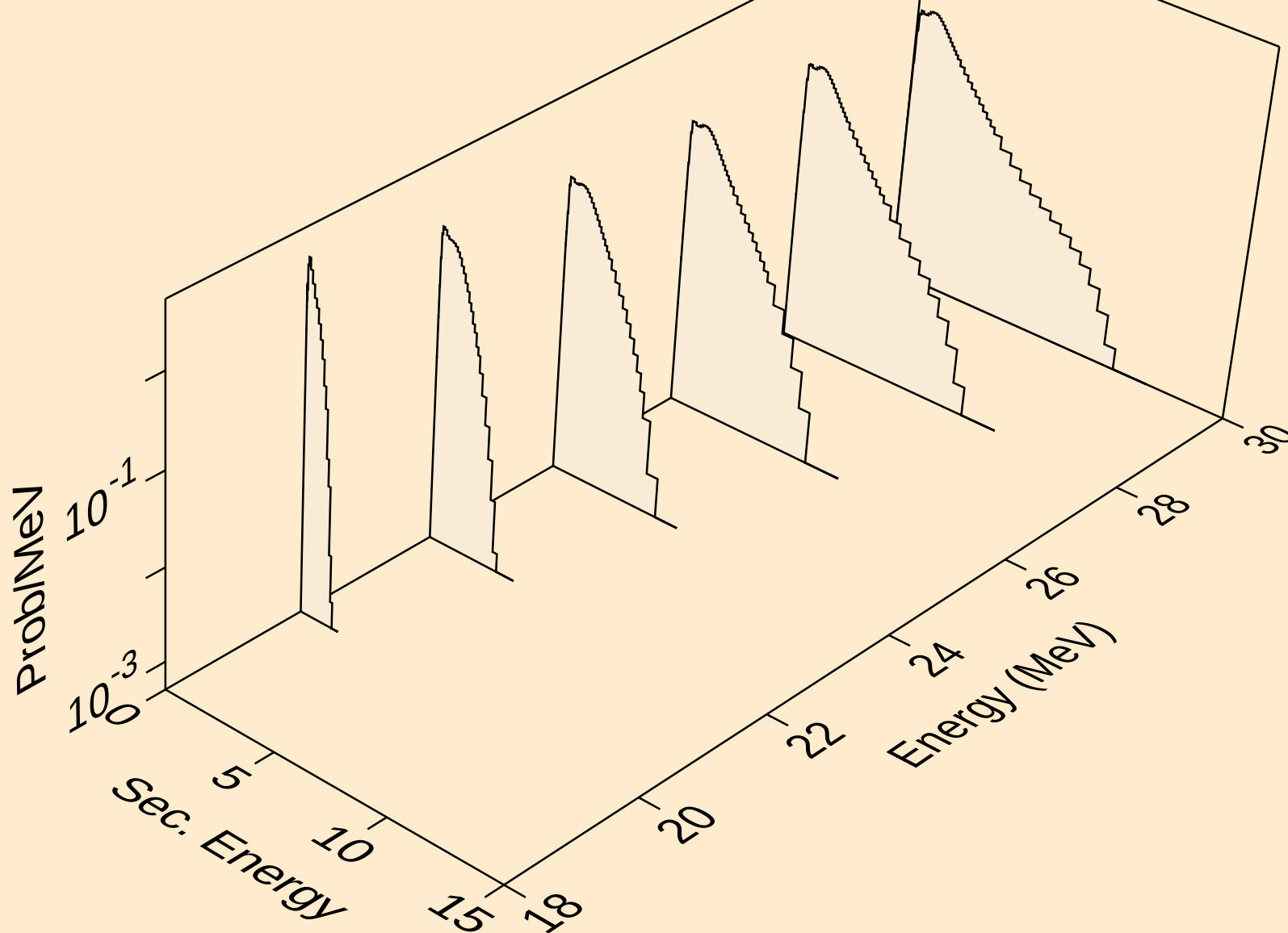
SM157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



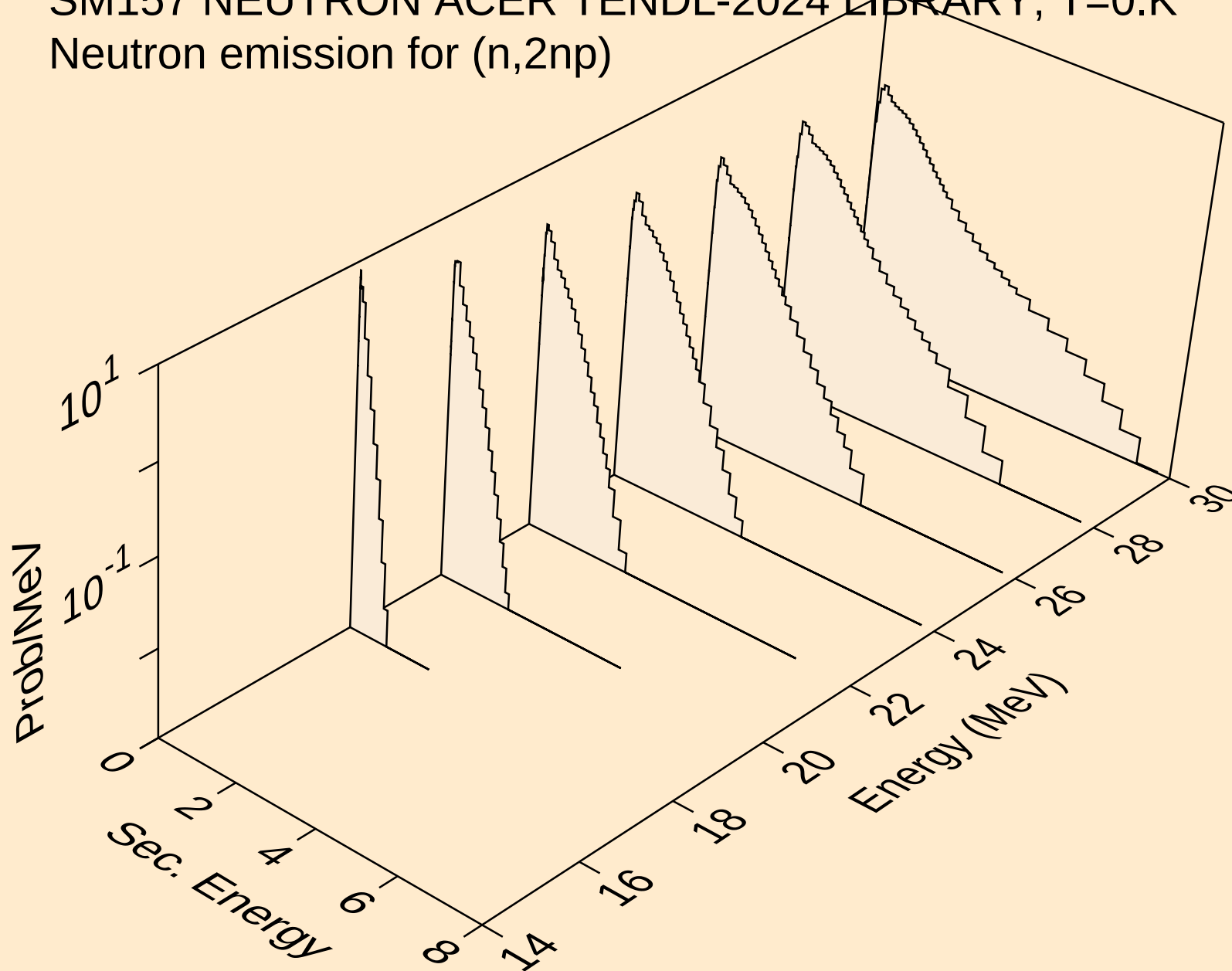
SM157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



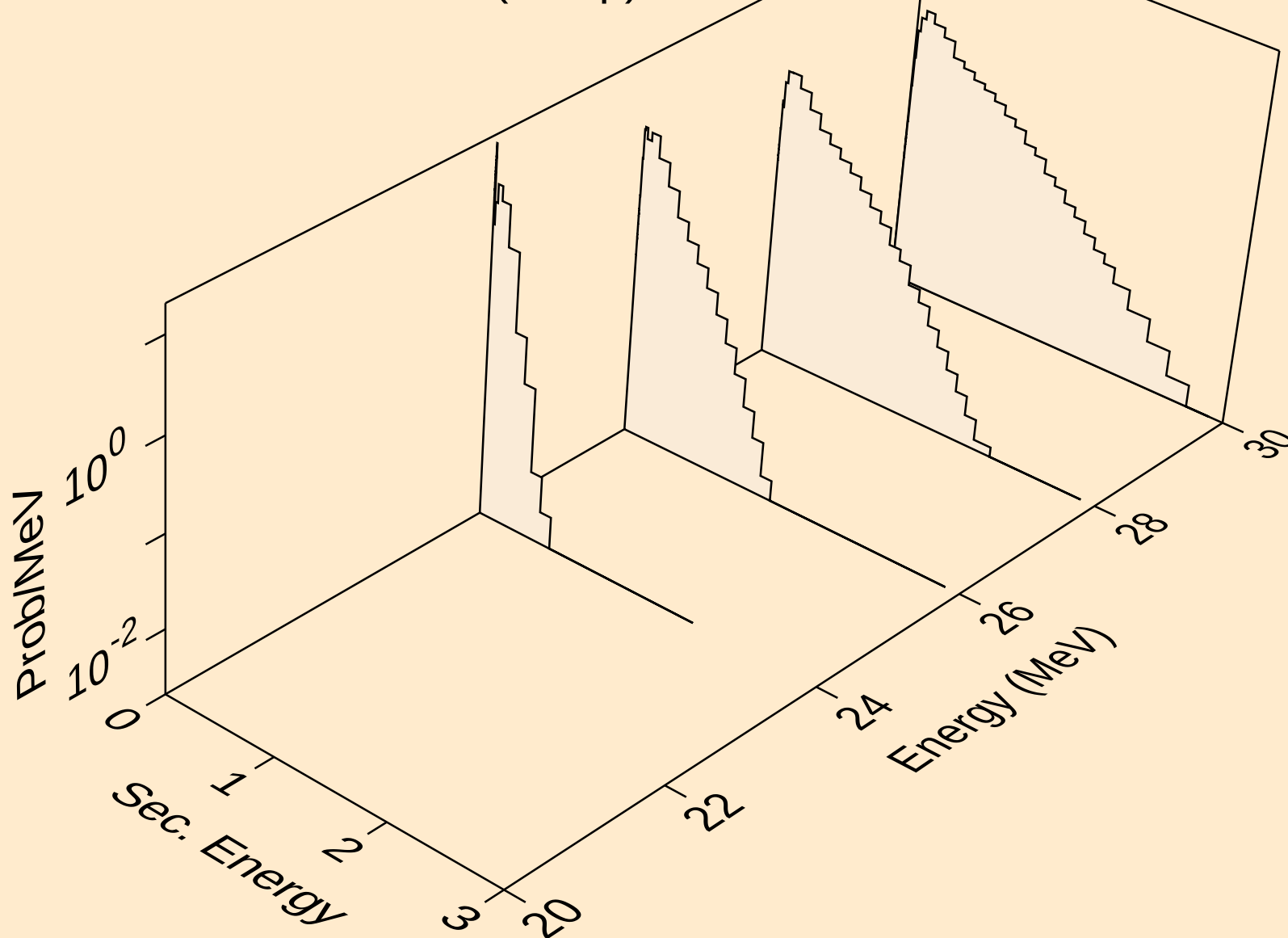
SM157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,4n)



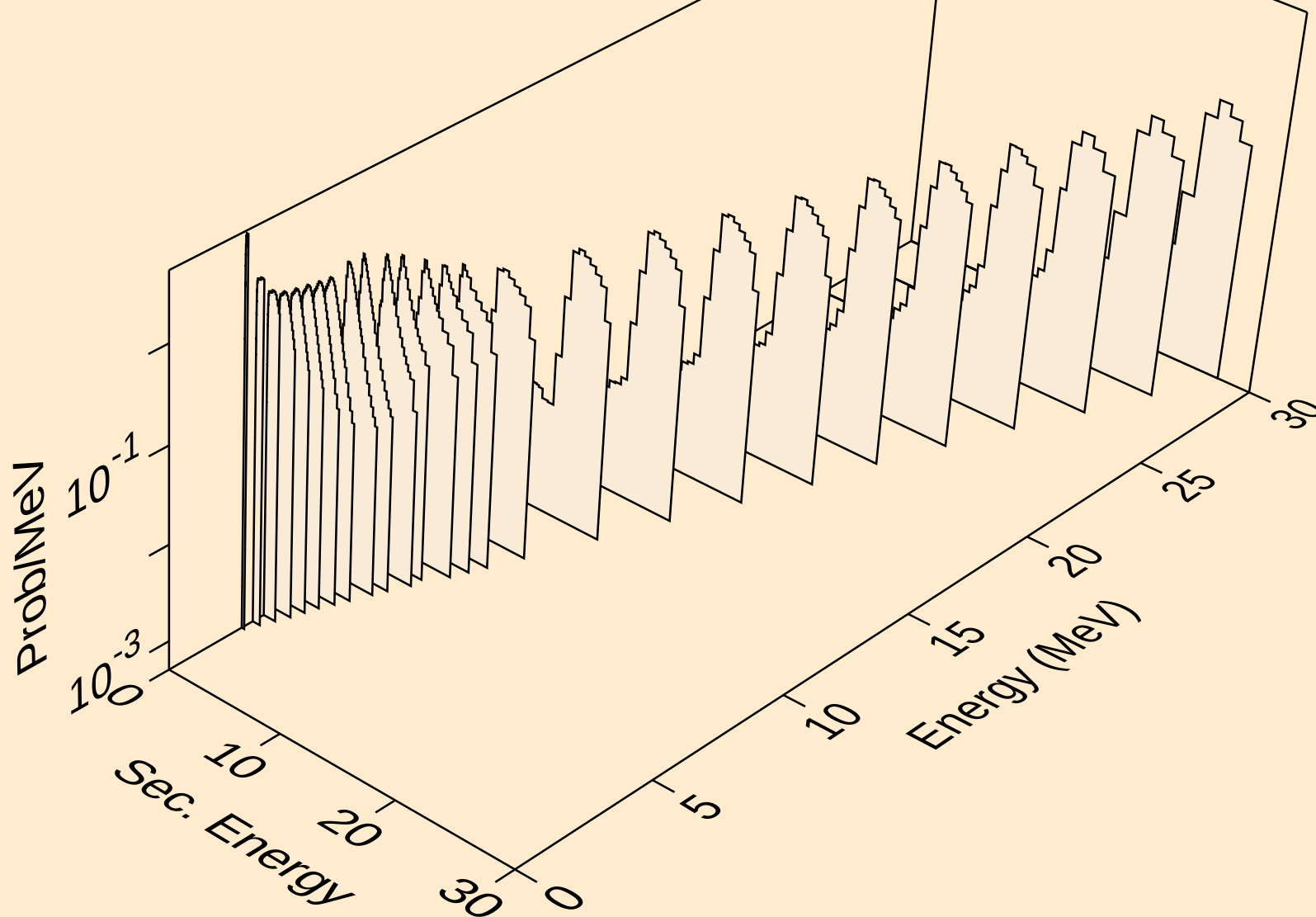
SM157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2np)



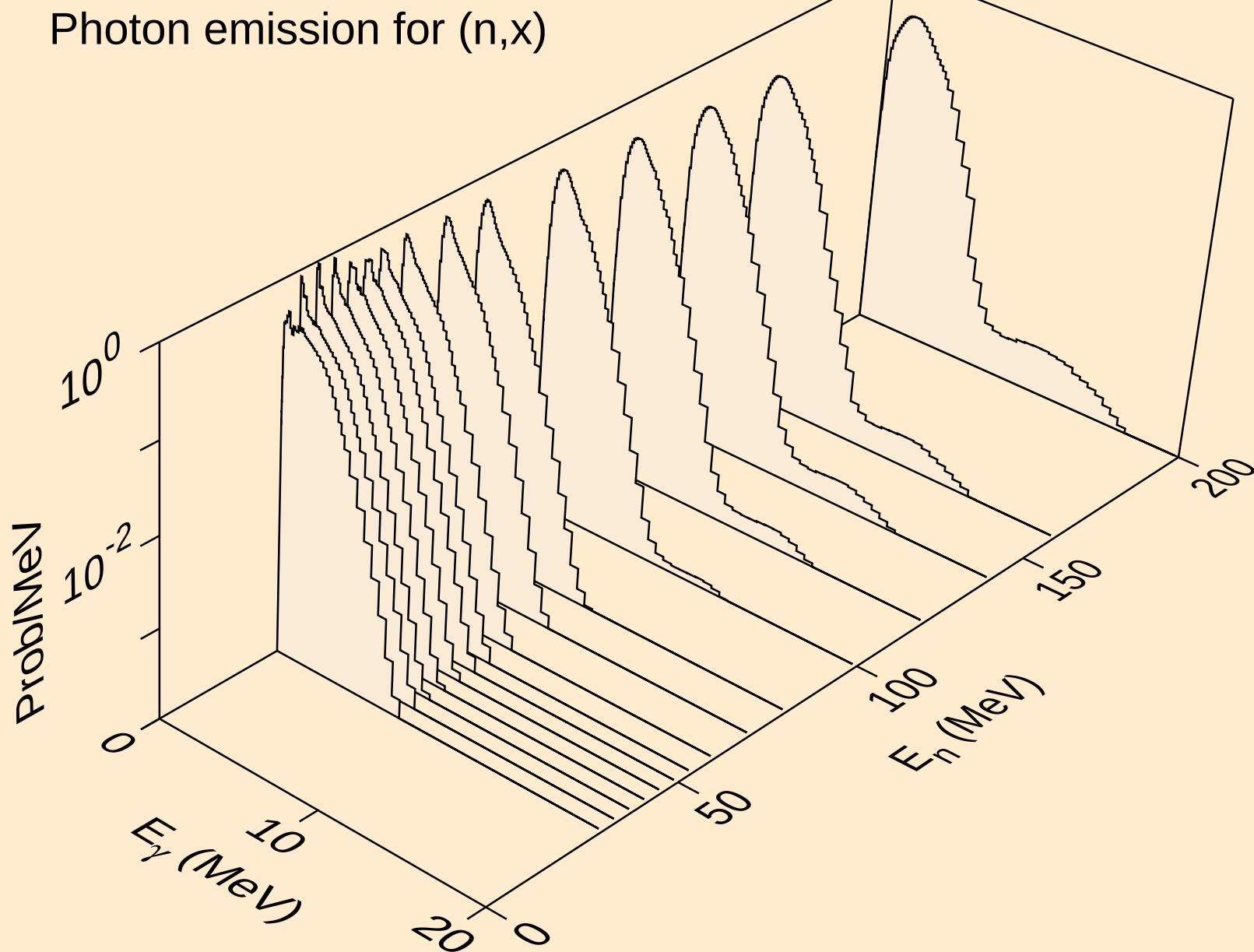
SM157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3np)



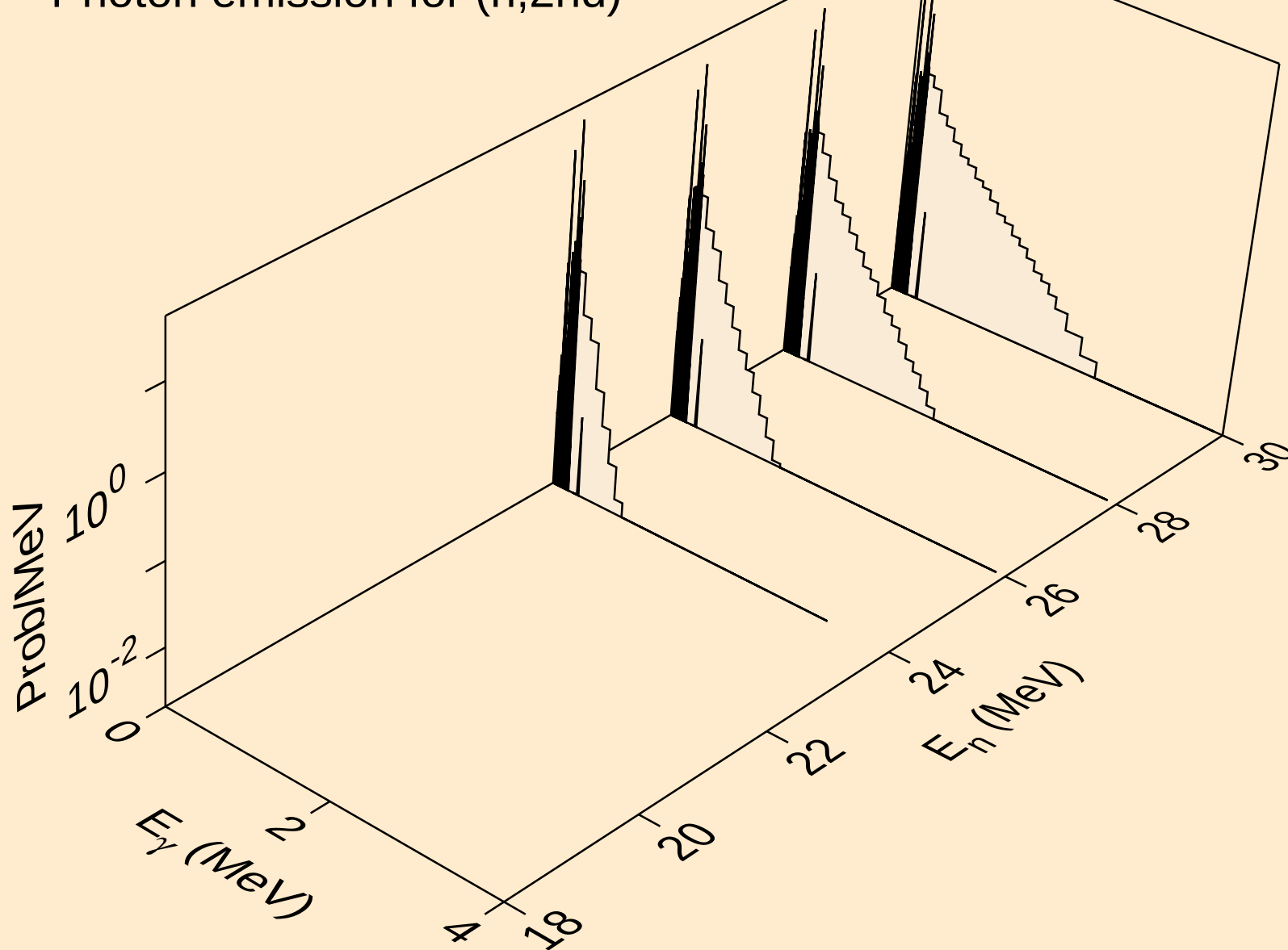
SM157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)



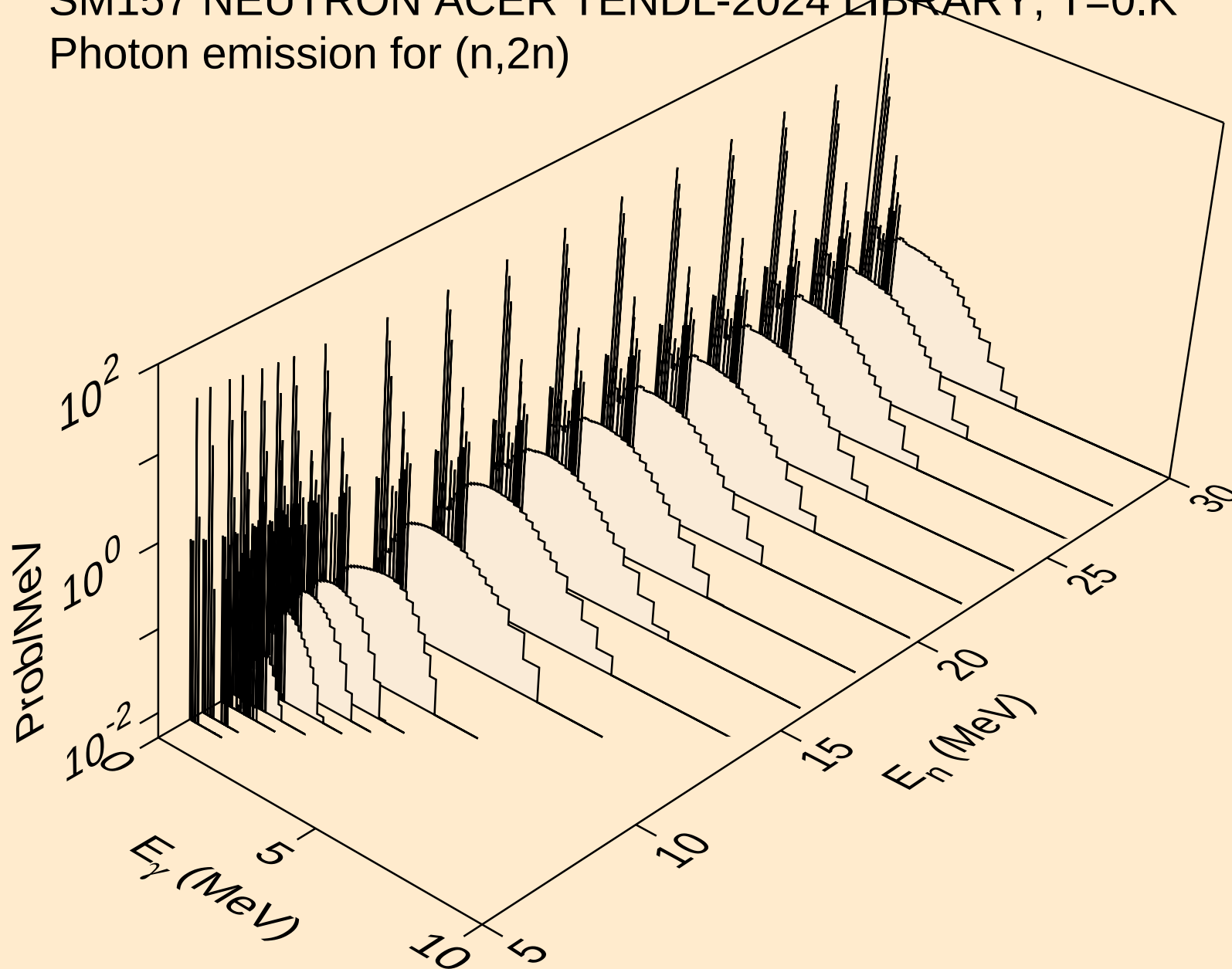
SM157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,x)



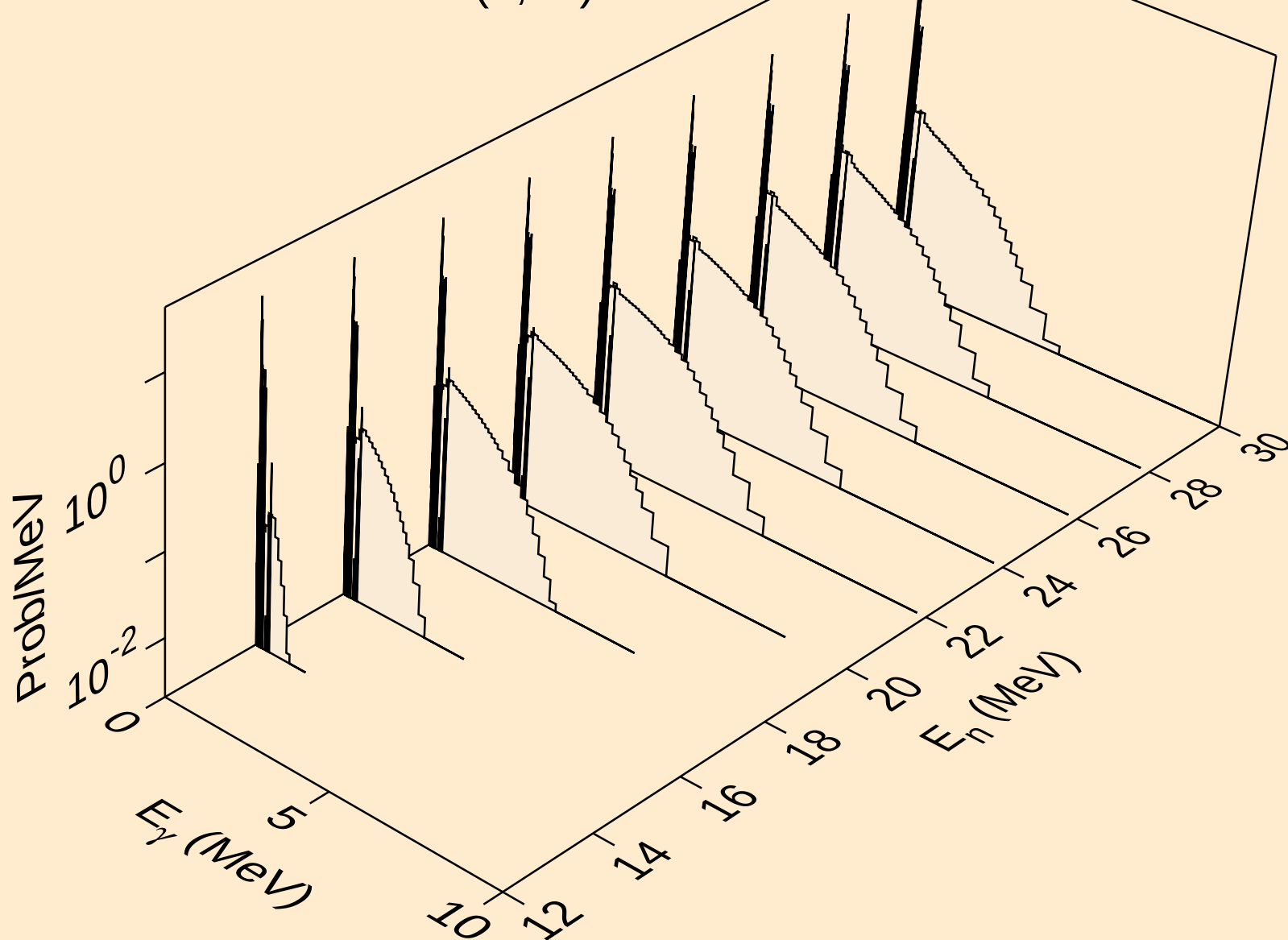
SM157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2nd)



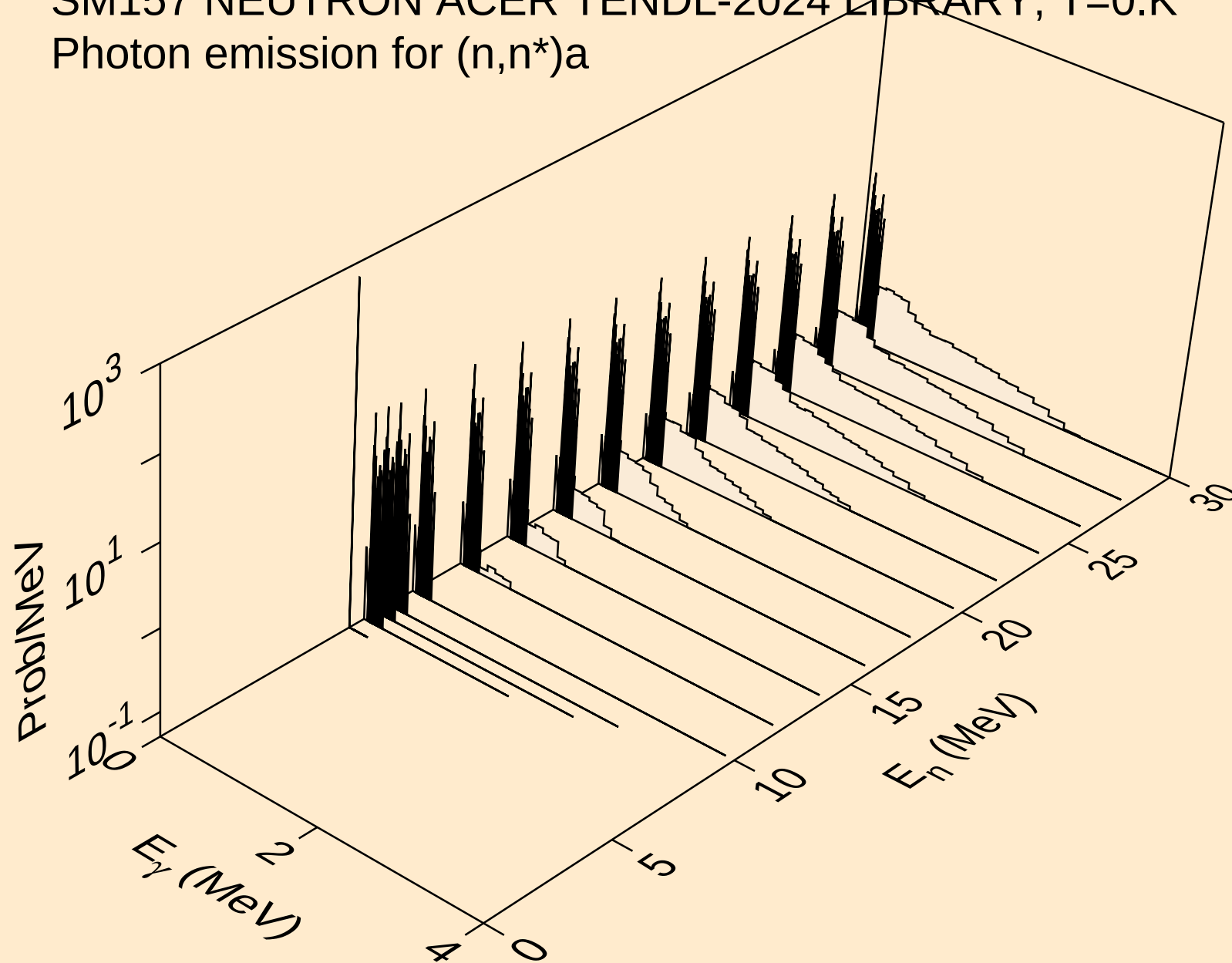
SM157 NEUTRON ACER TENDL-2024 LIBRARY;  $T=0.K$   
Photon emission for (n,2n)



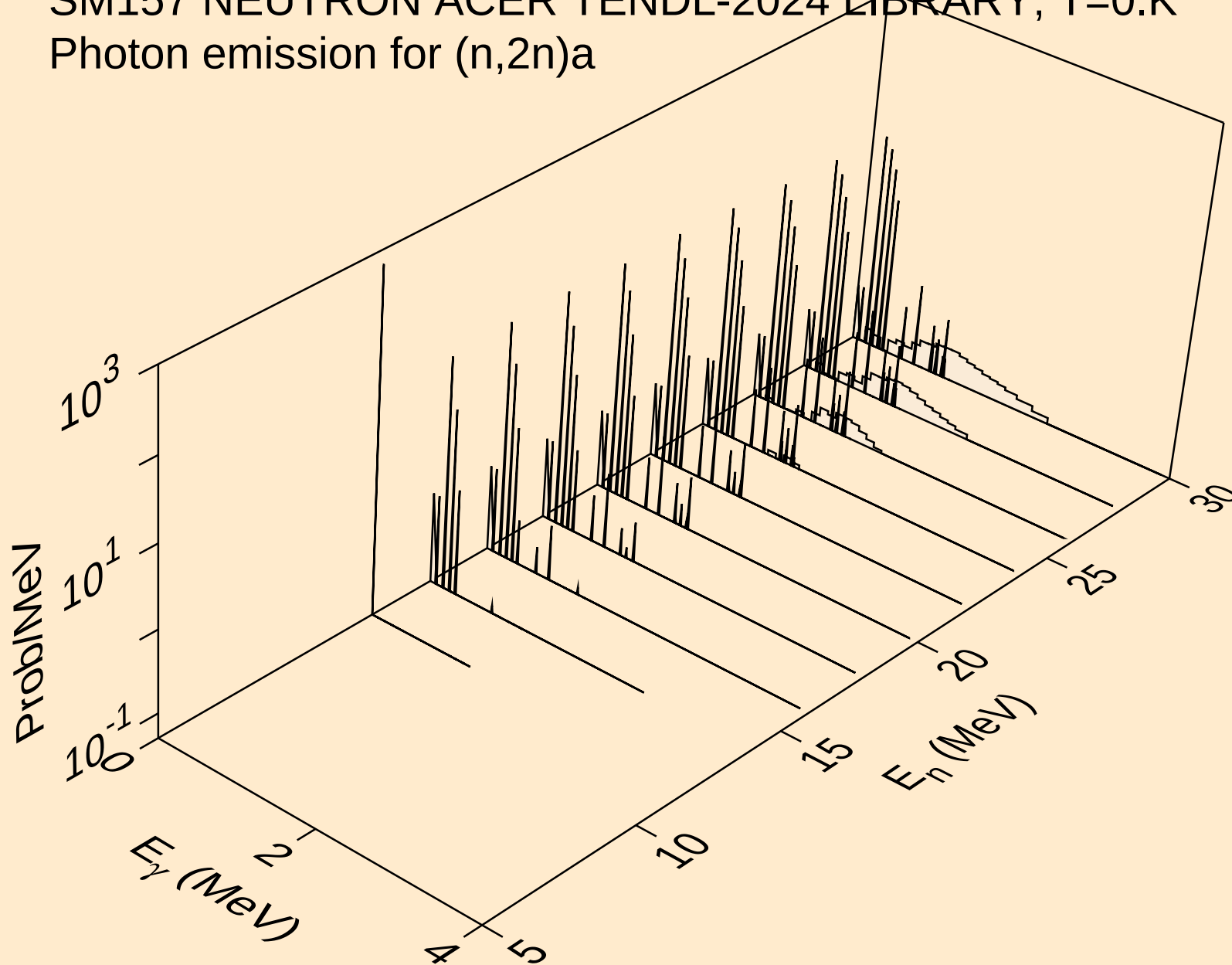
SM157 NEUTRON ACER TENDL-2024 LIBRARY;  $T=0.K$   
Photon emission for (n,3n)



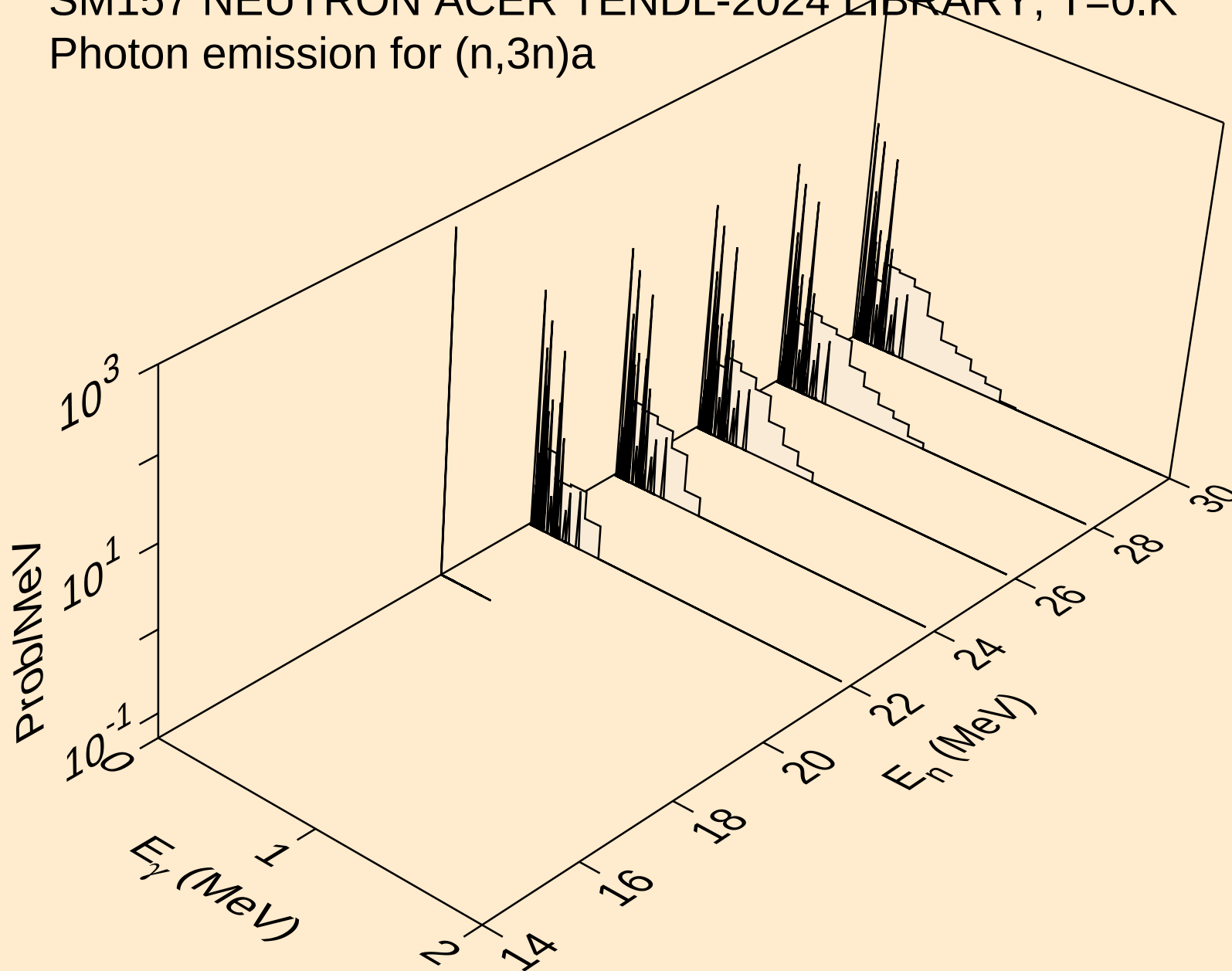
SM157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



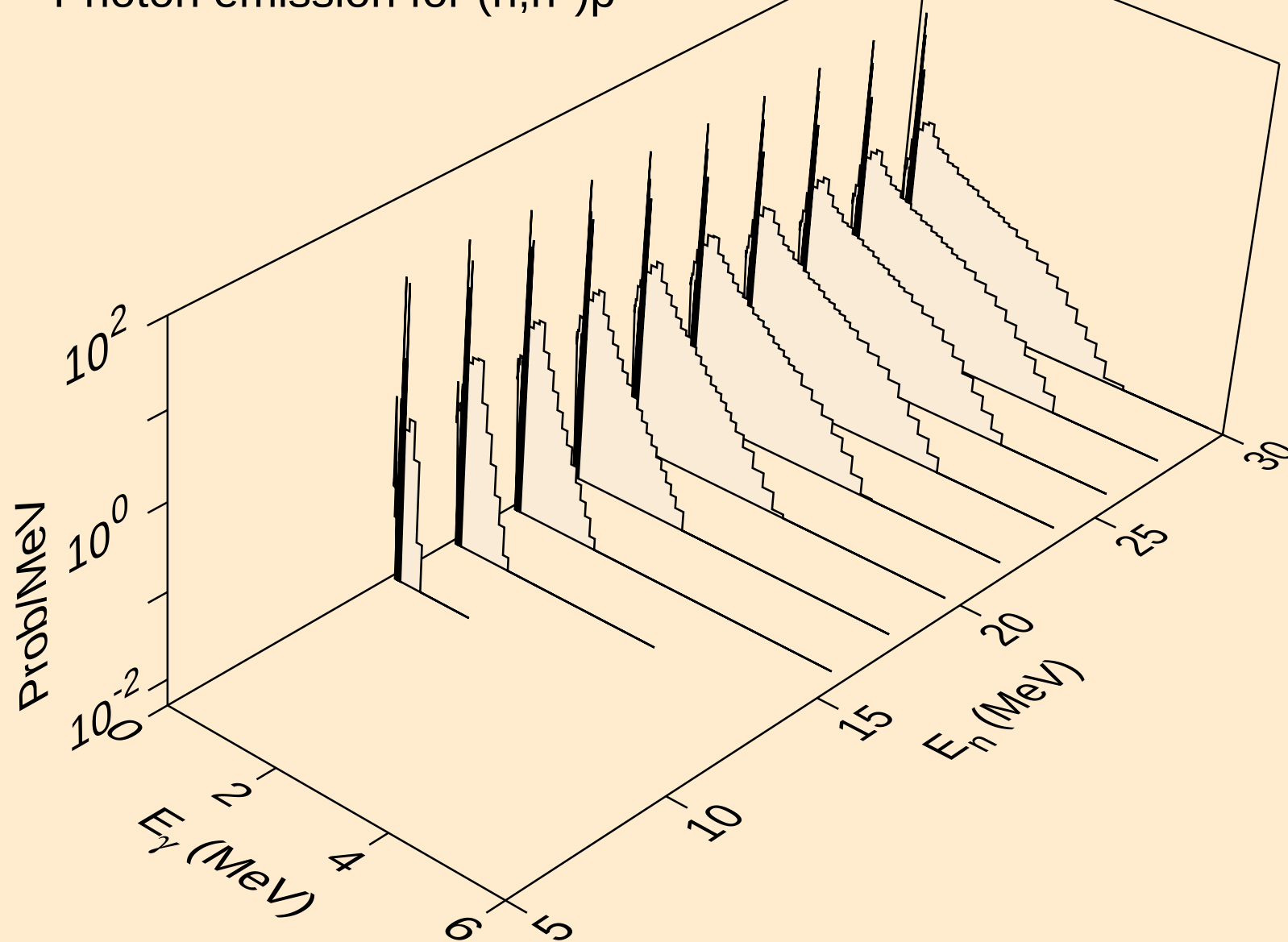
SM157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n) $\alpha$



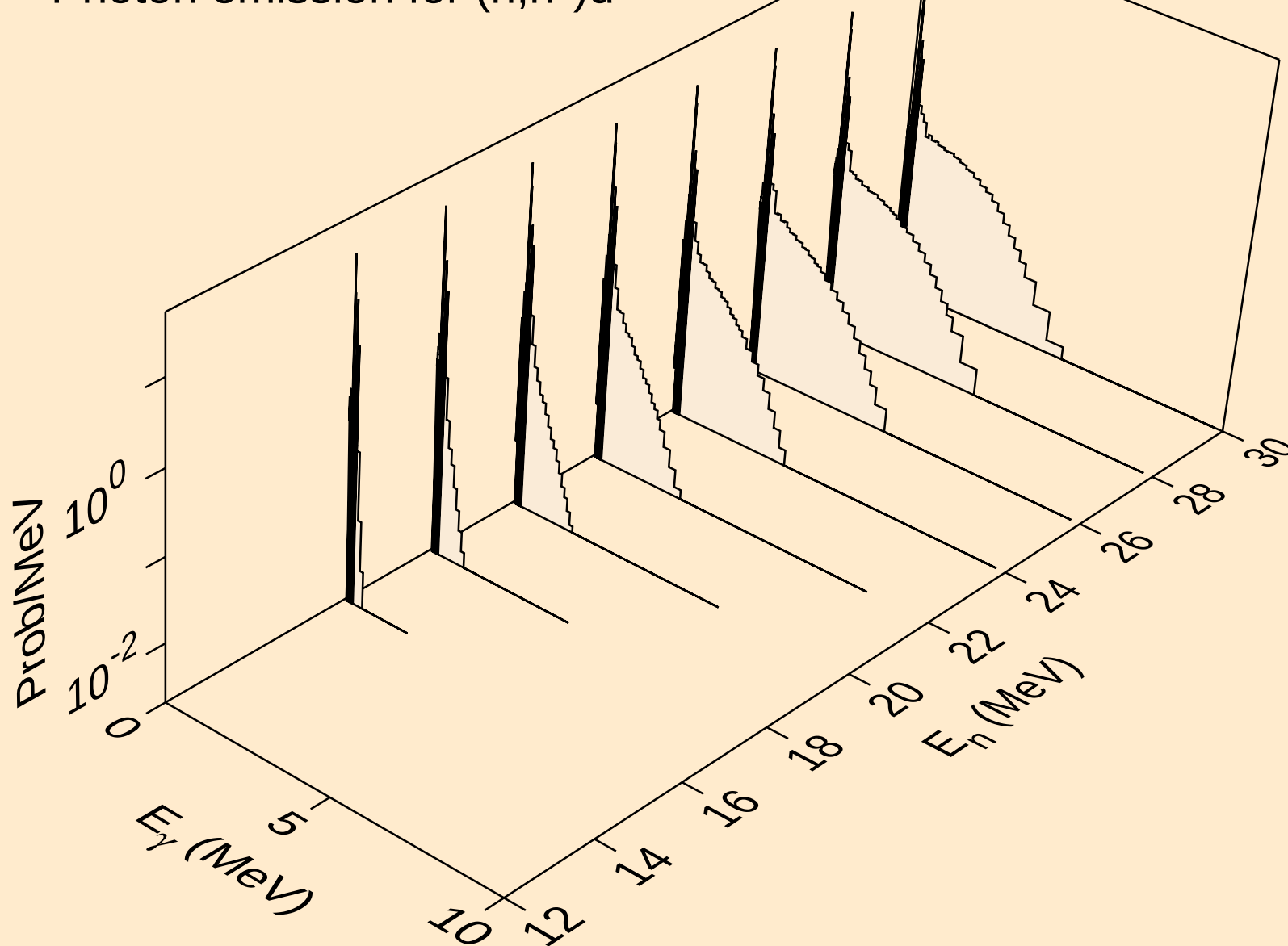
SM157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)a



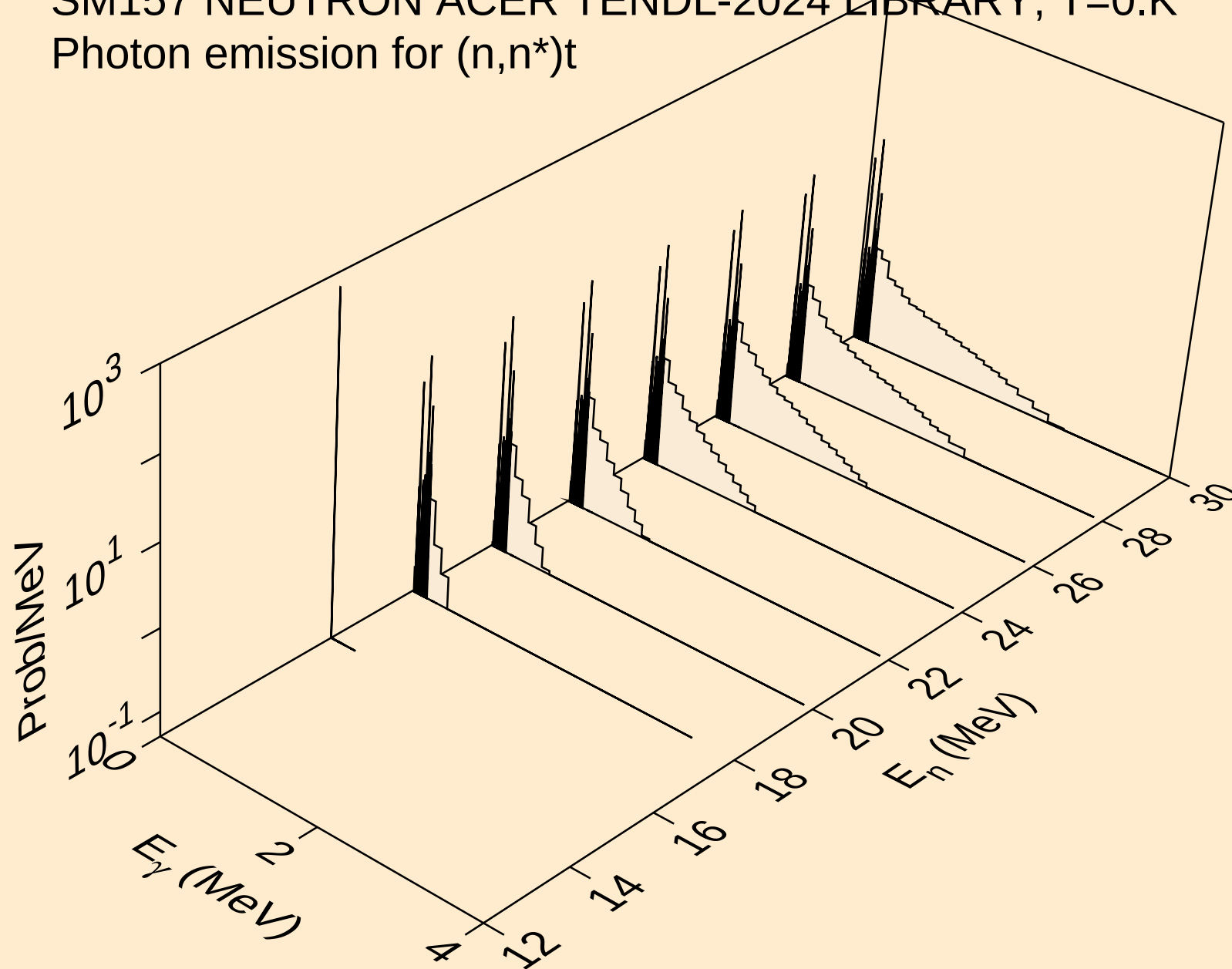
SM157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



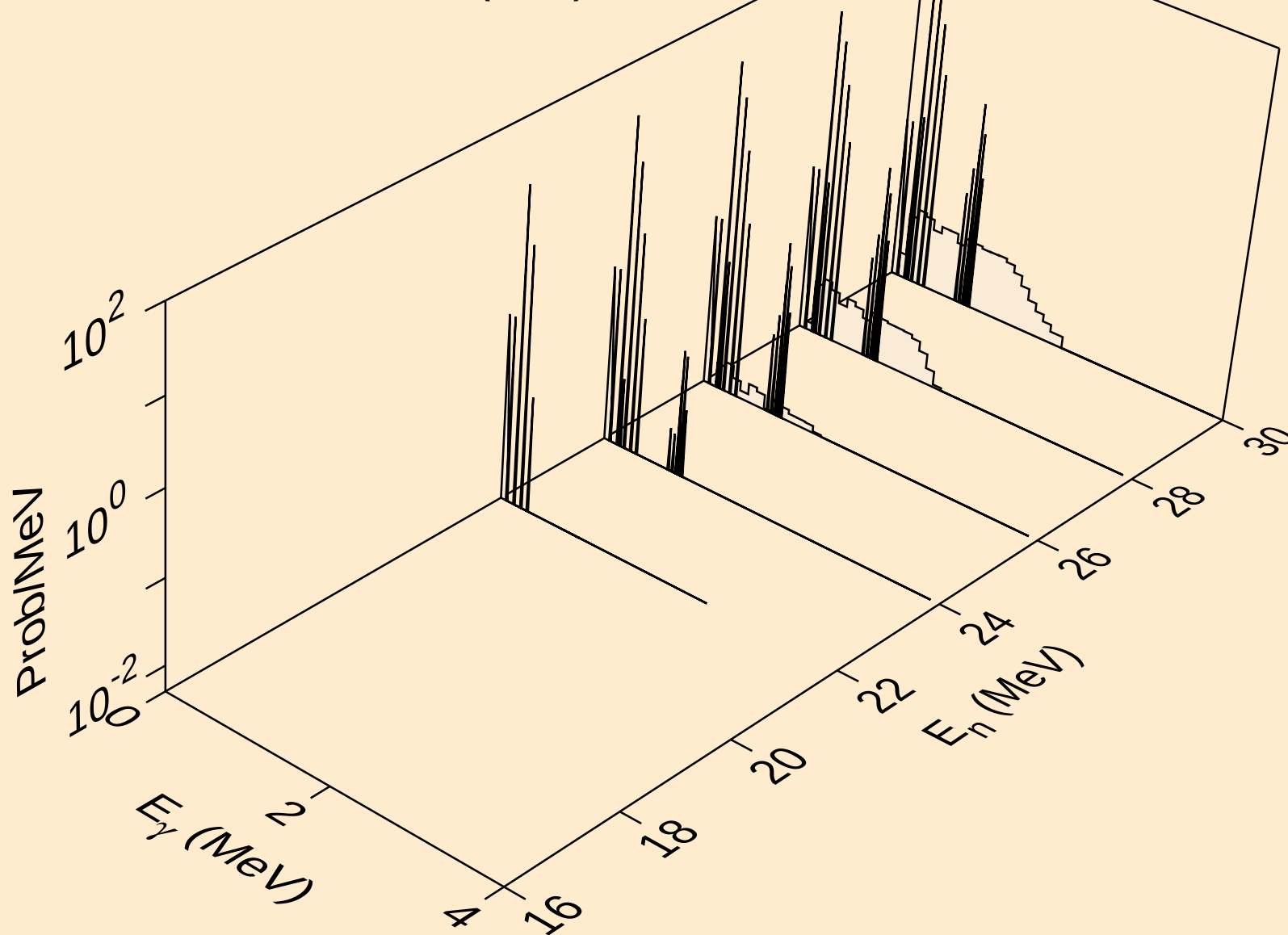
SM157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



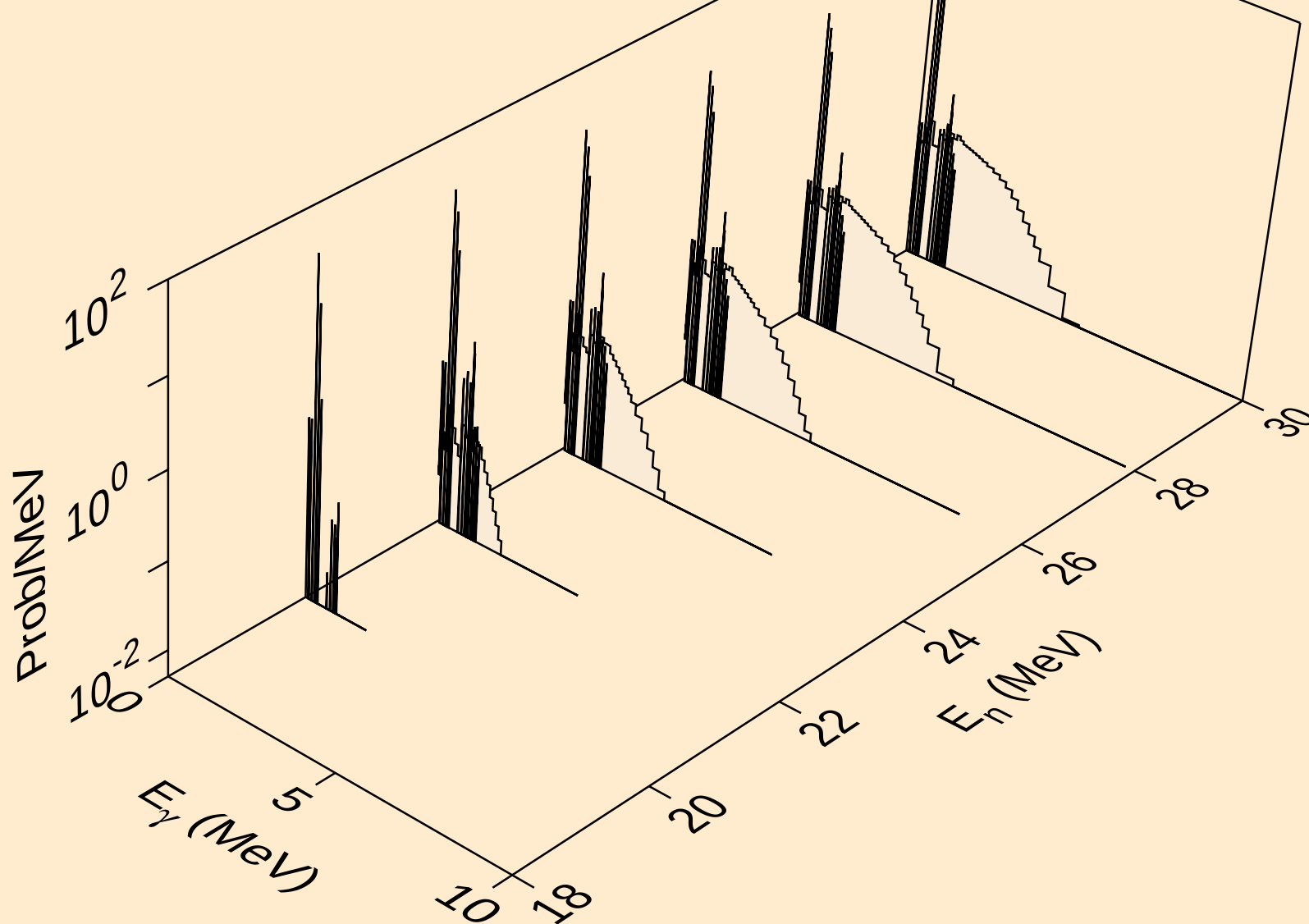
SM157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



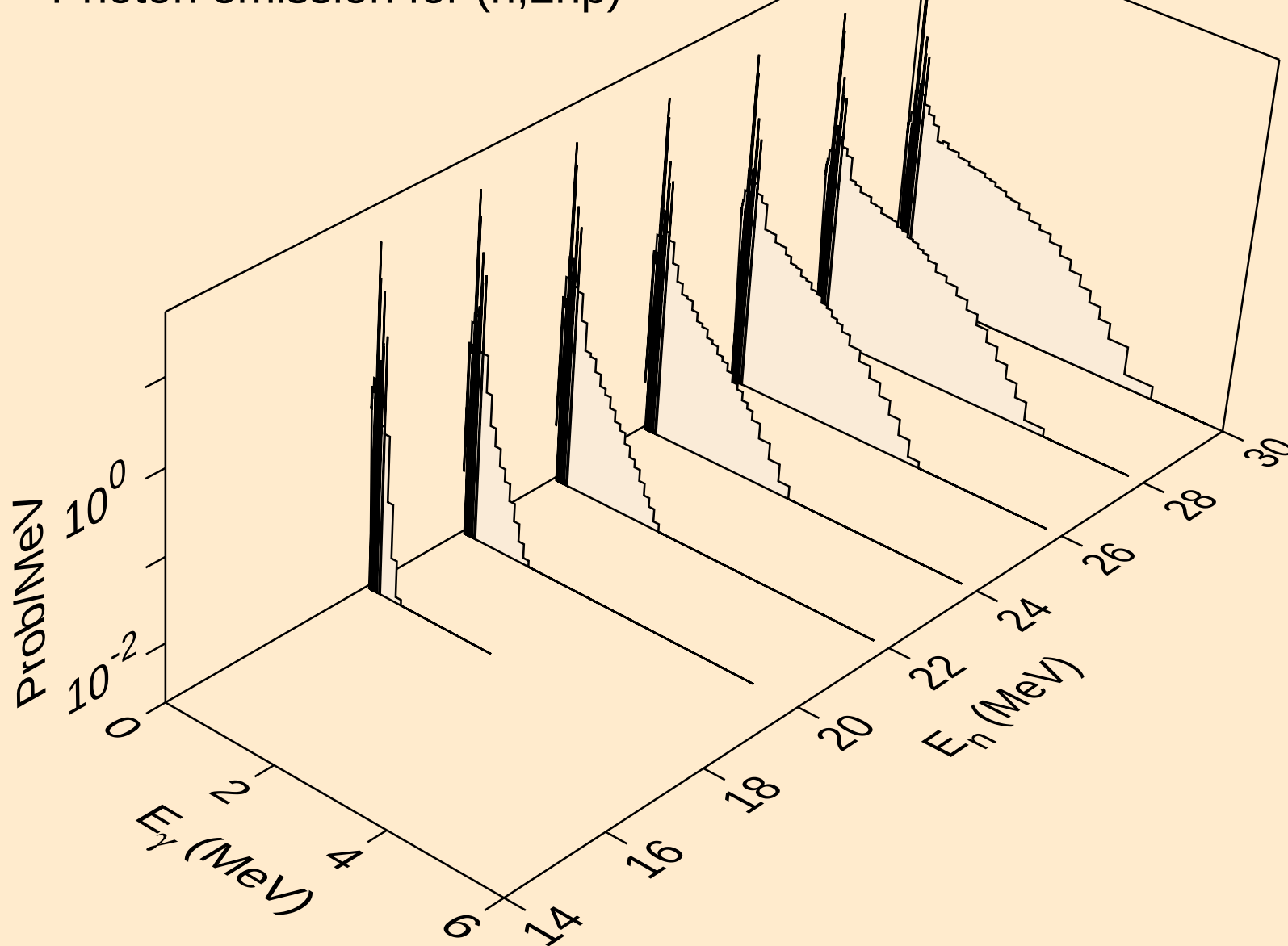
SM157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



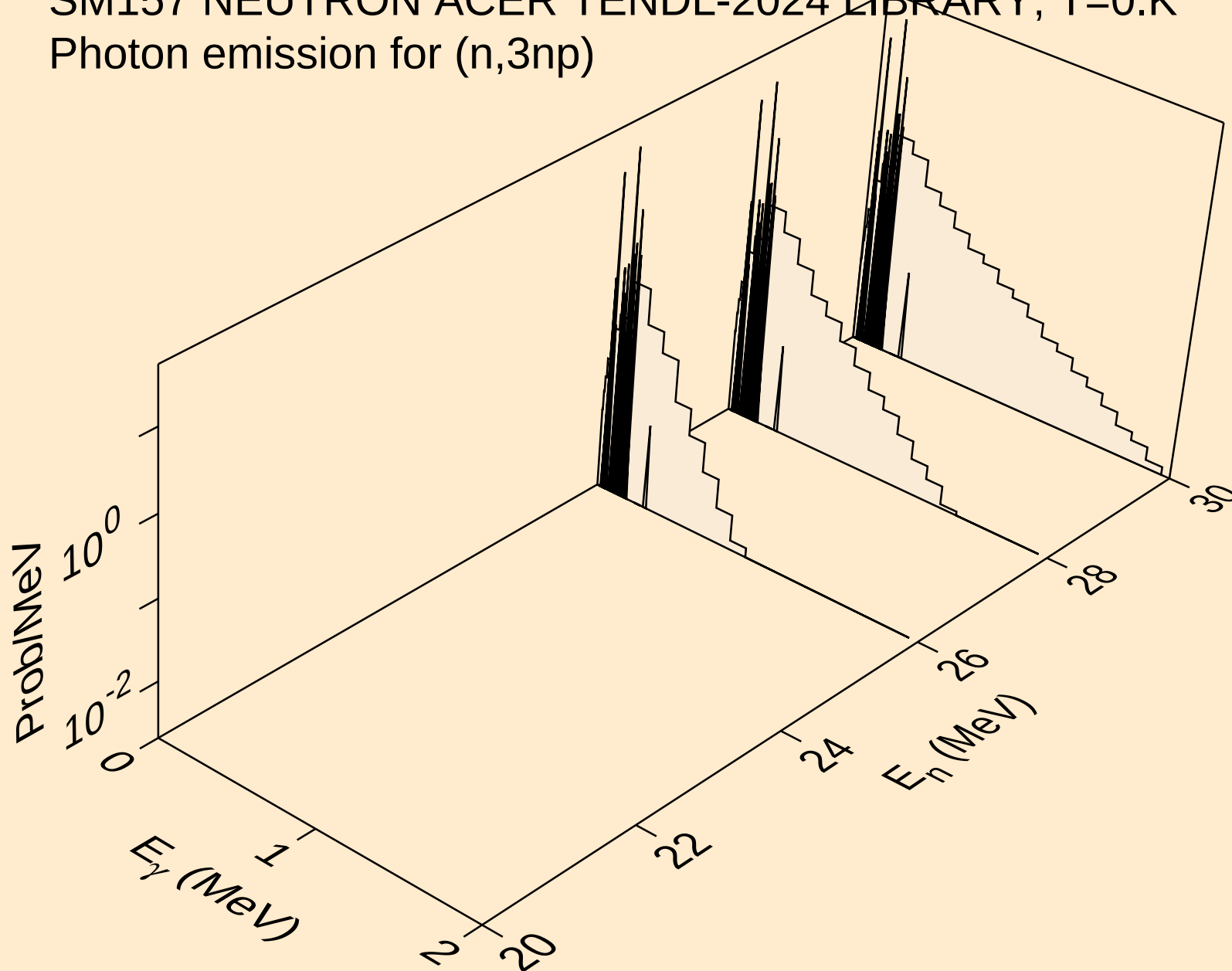
SM157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,4n)



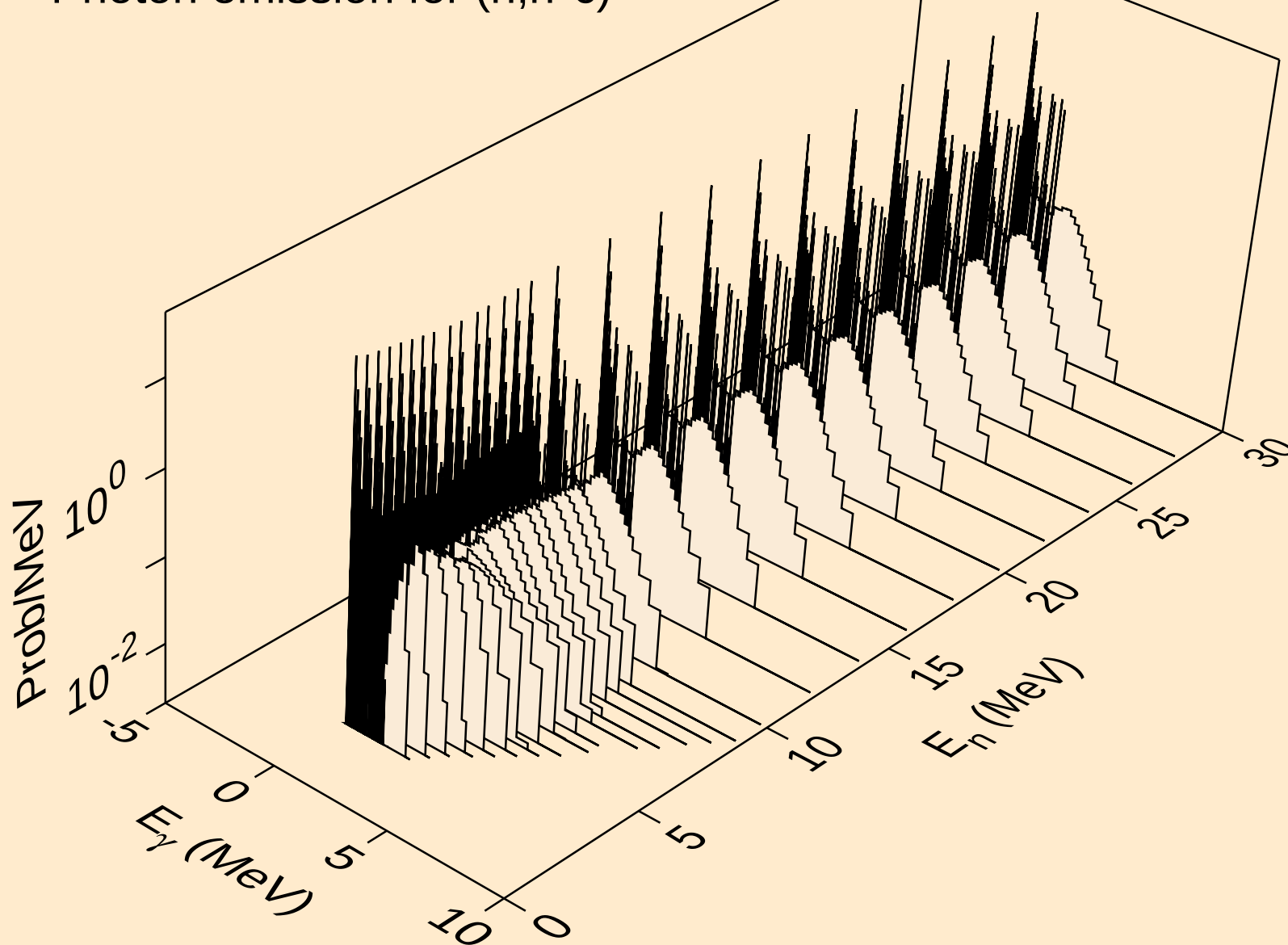
SM157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2np)



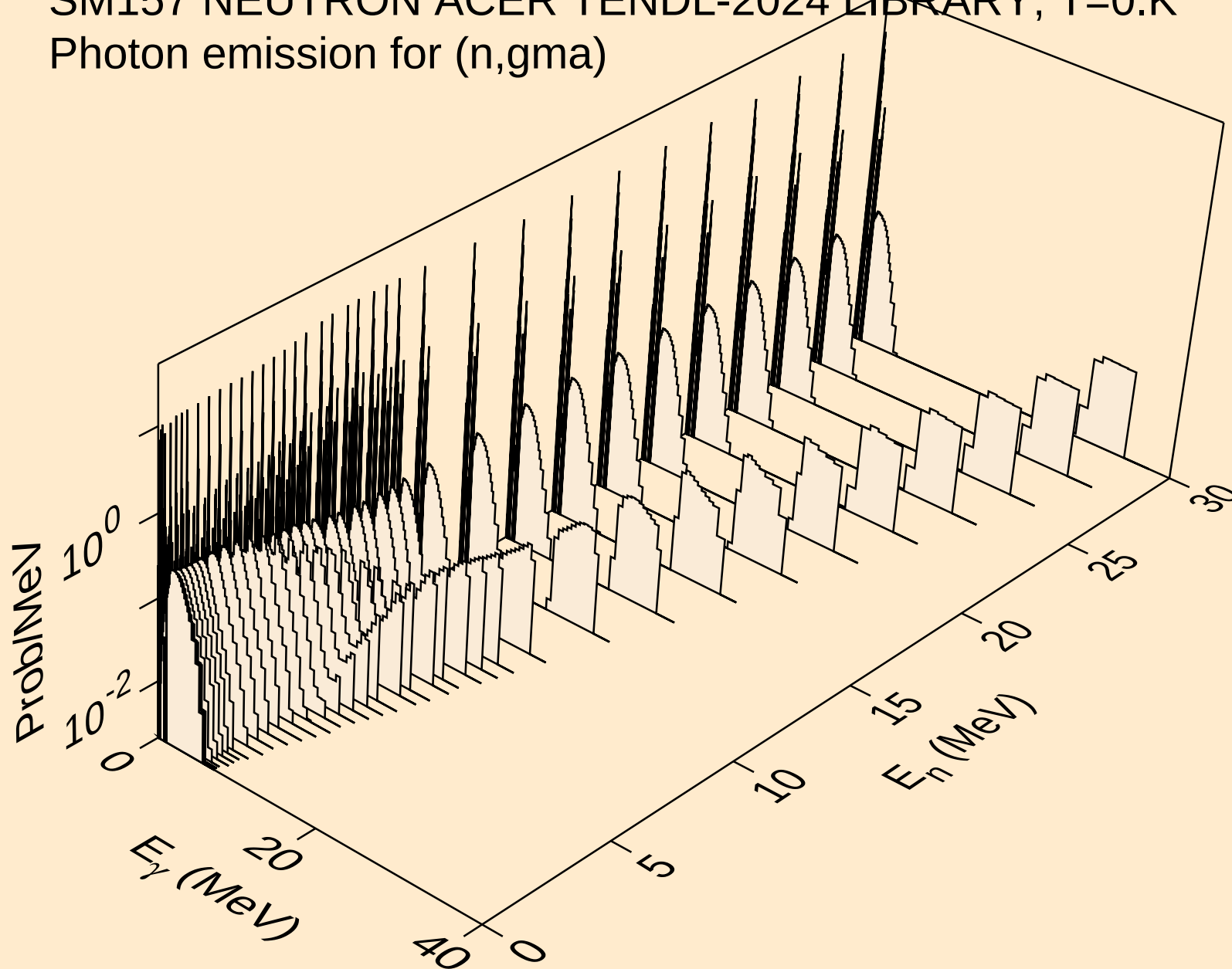
SM157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3np)



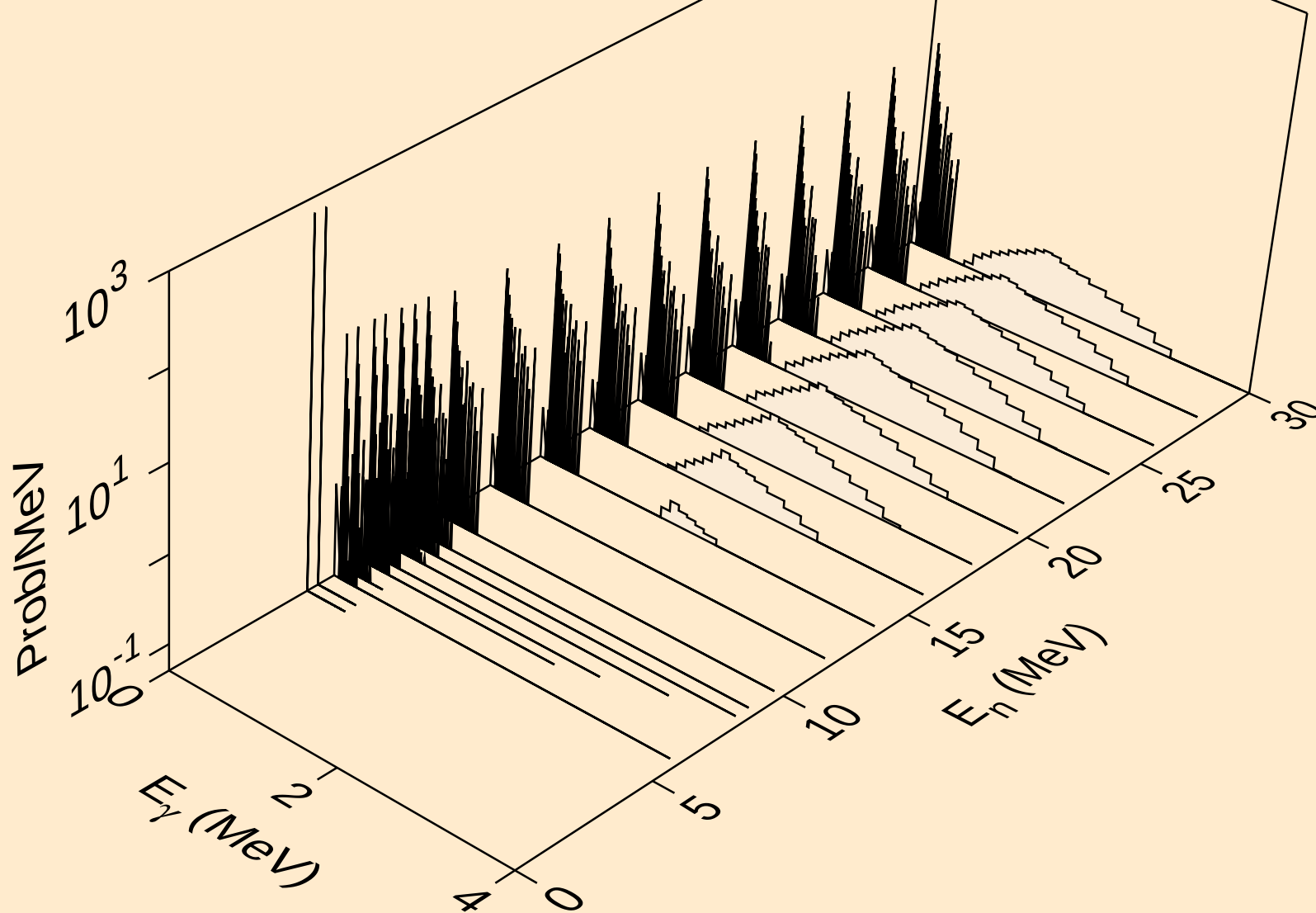
SM157 NEUTRON ACER TENDL-2024 LIBRARY;  $T=0.K$   
Photon emission for (n,n\*c)



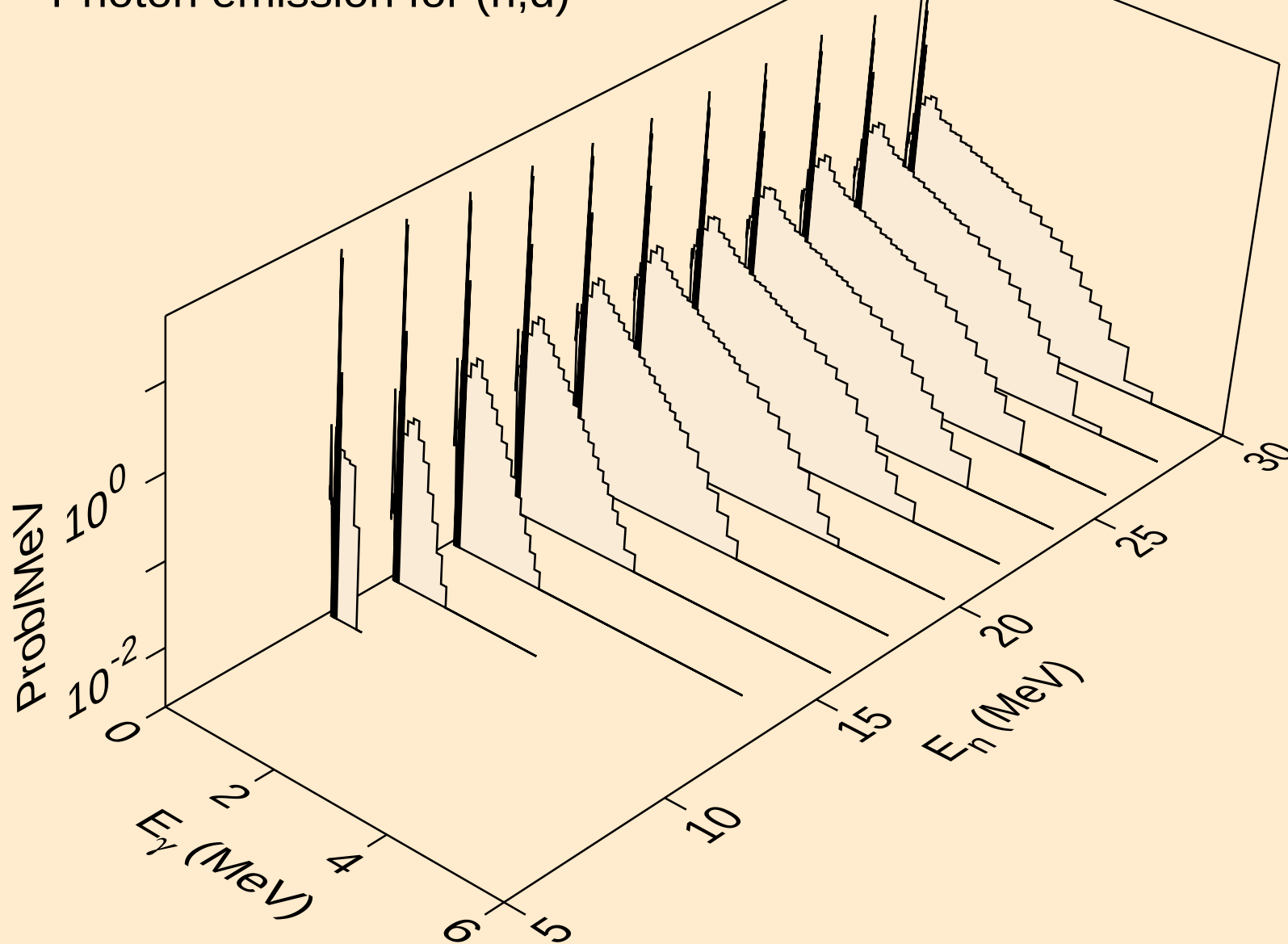
SM157 NEUTRON ACER TENDL-2024 LIBRARY;  $T=0.K$   
Photon emission for (n,gma)



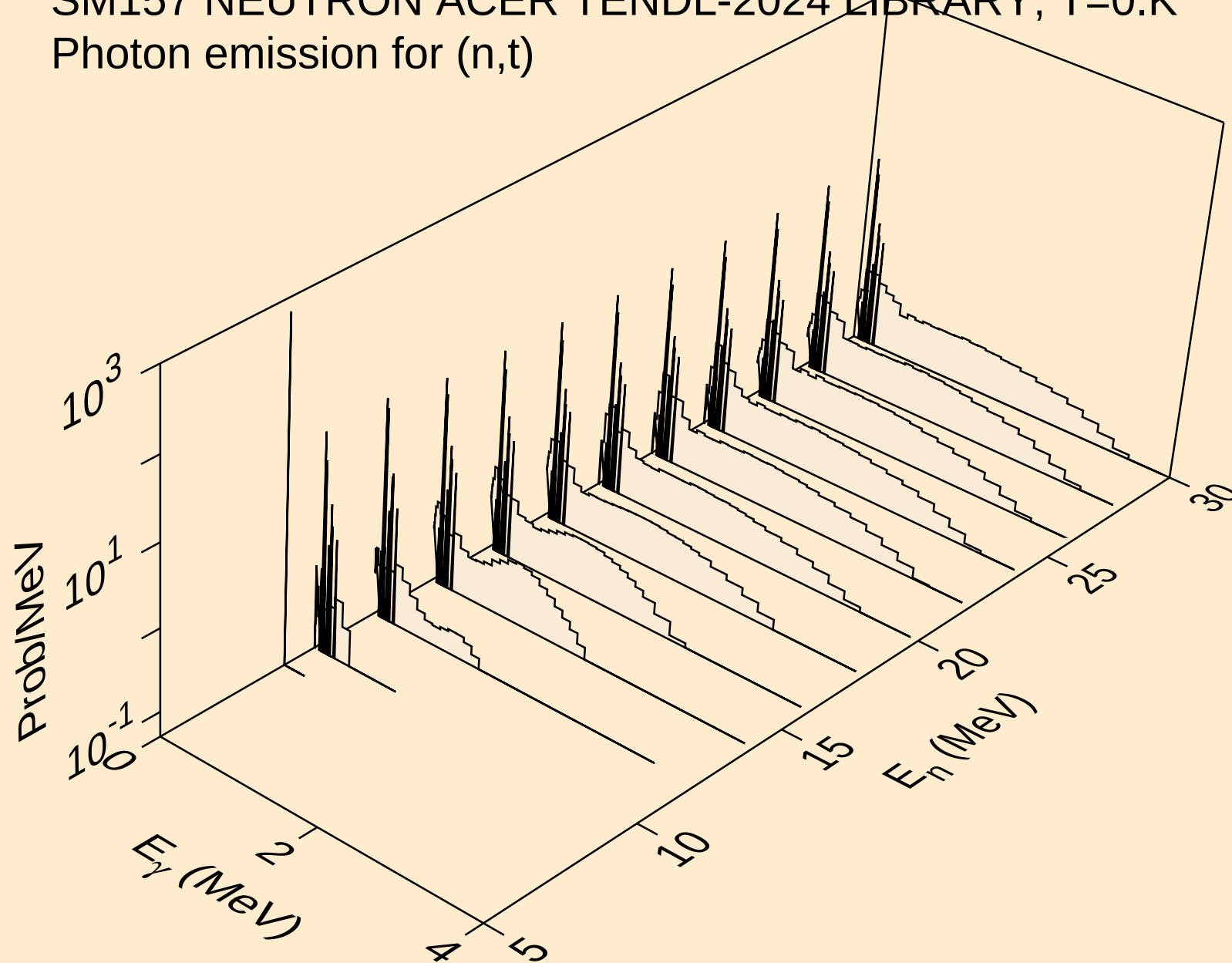
SM157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p)



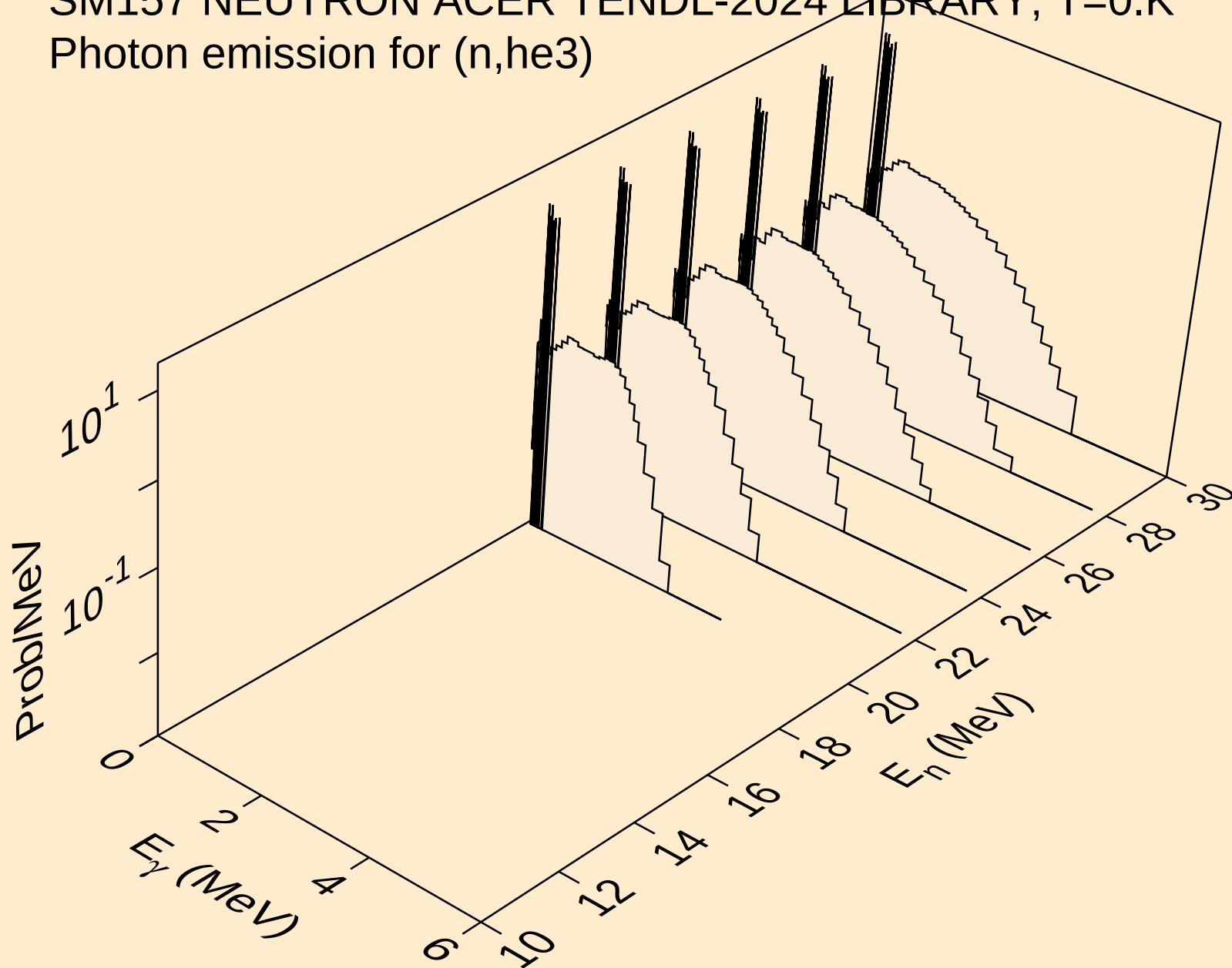
SM157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,d)



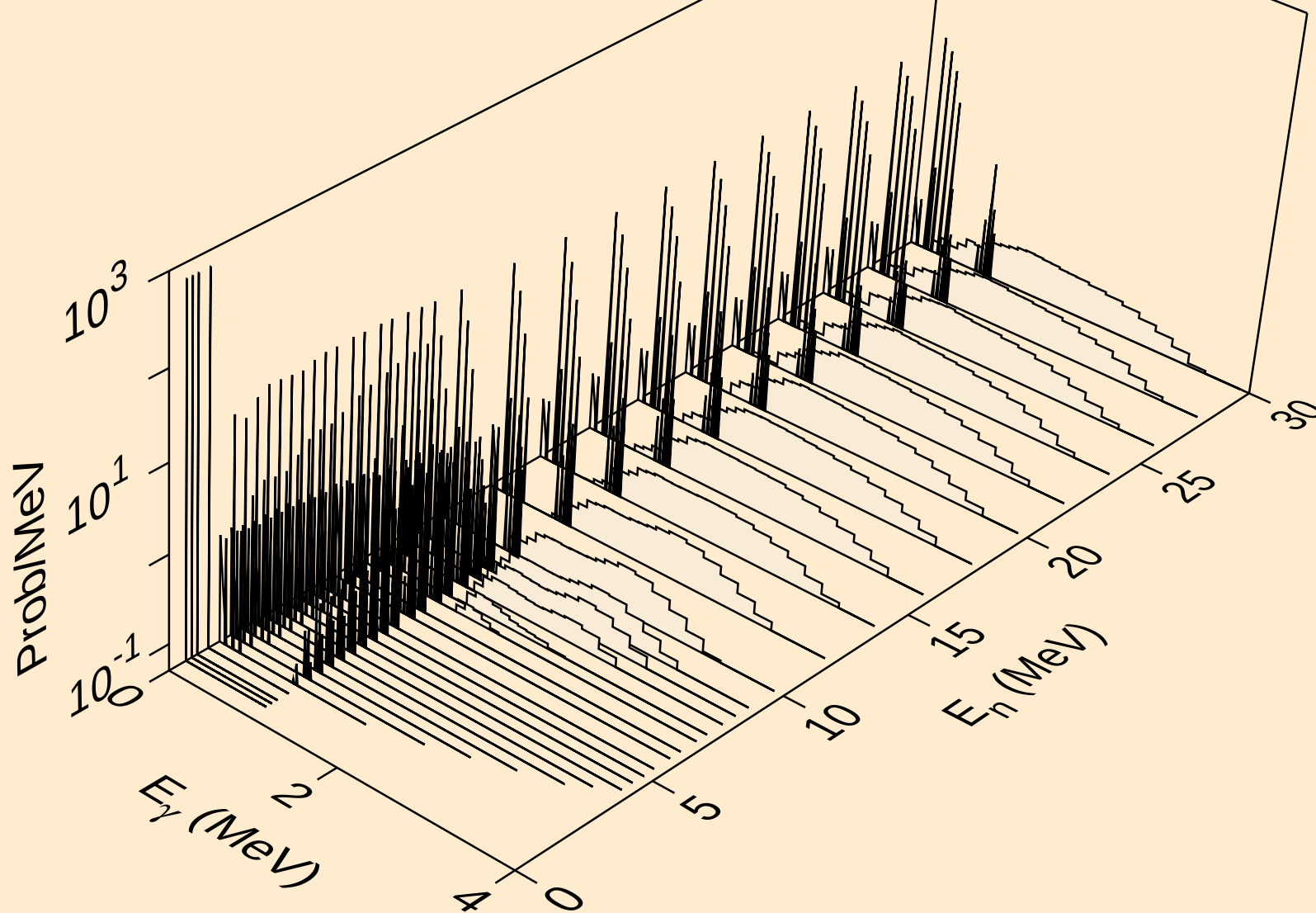
SM157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,t)



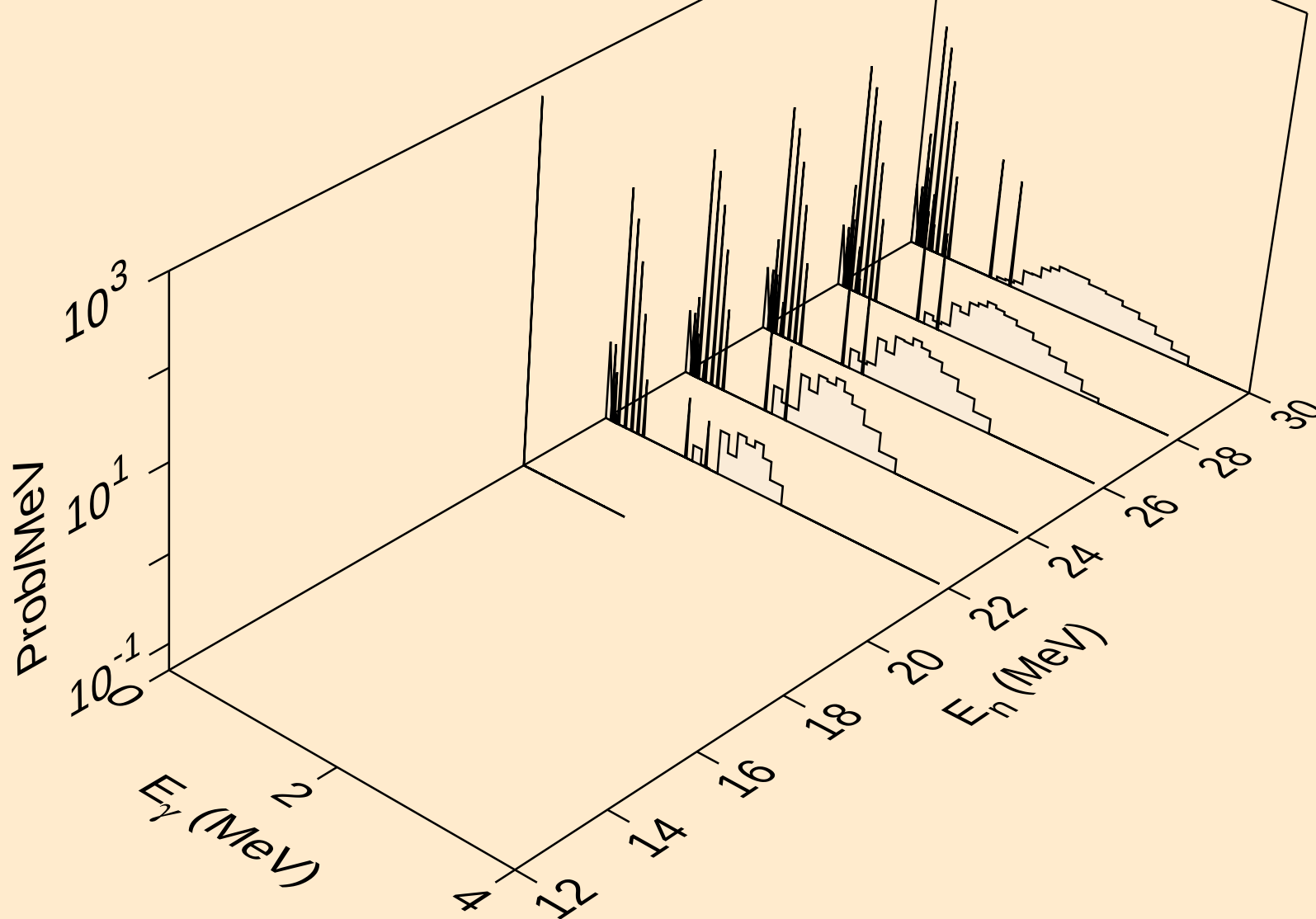
SM157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,he3)



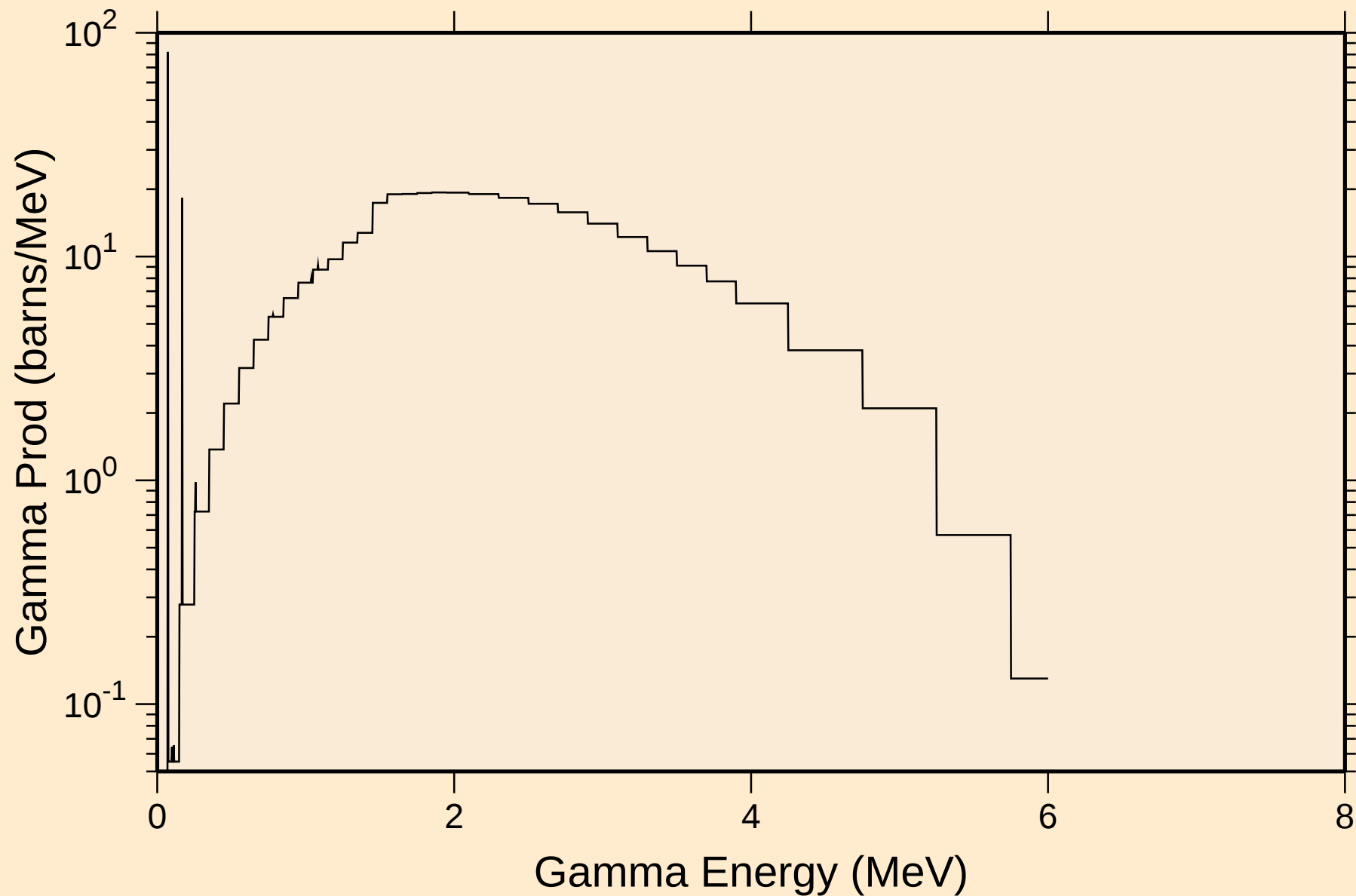
SM157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,a)



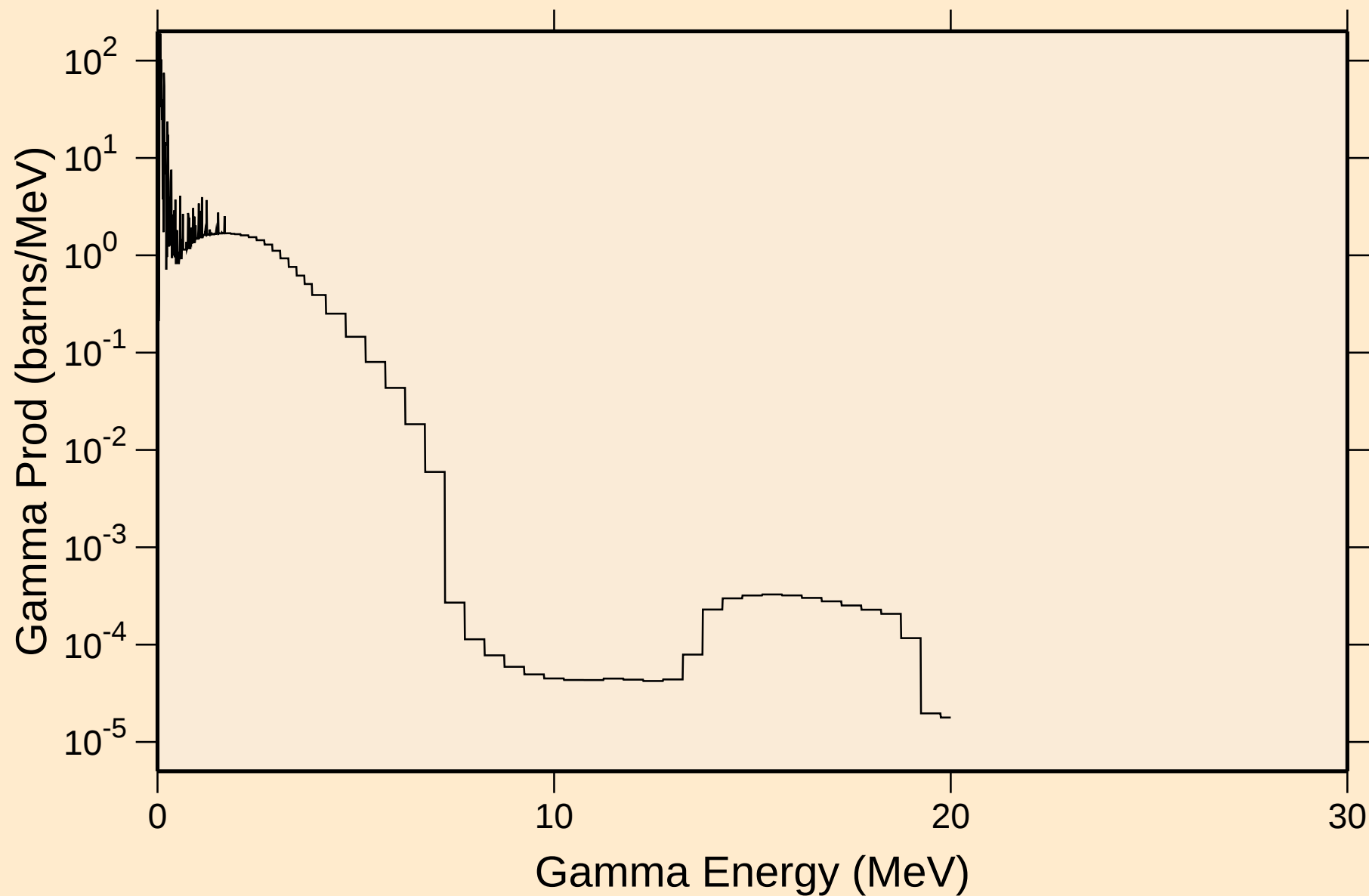
SM157 NEUTRON ACER TENDL-2024 LIBRARY;  $T=0.K$   
Photon emission for (n,2p)



SM157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
thermal capture photon spectrum

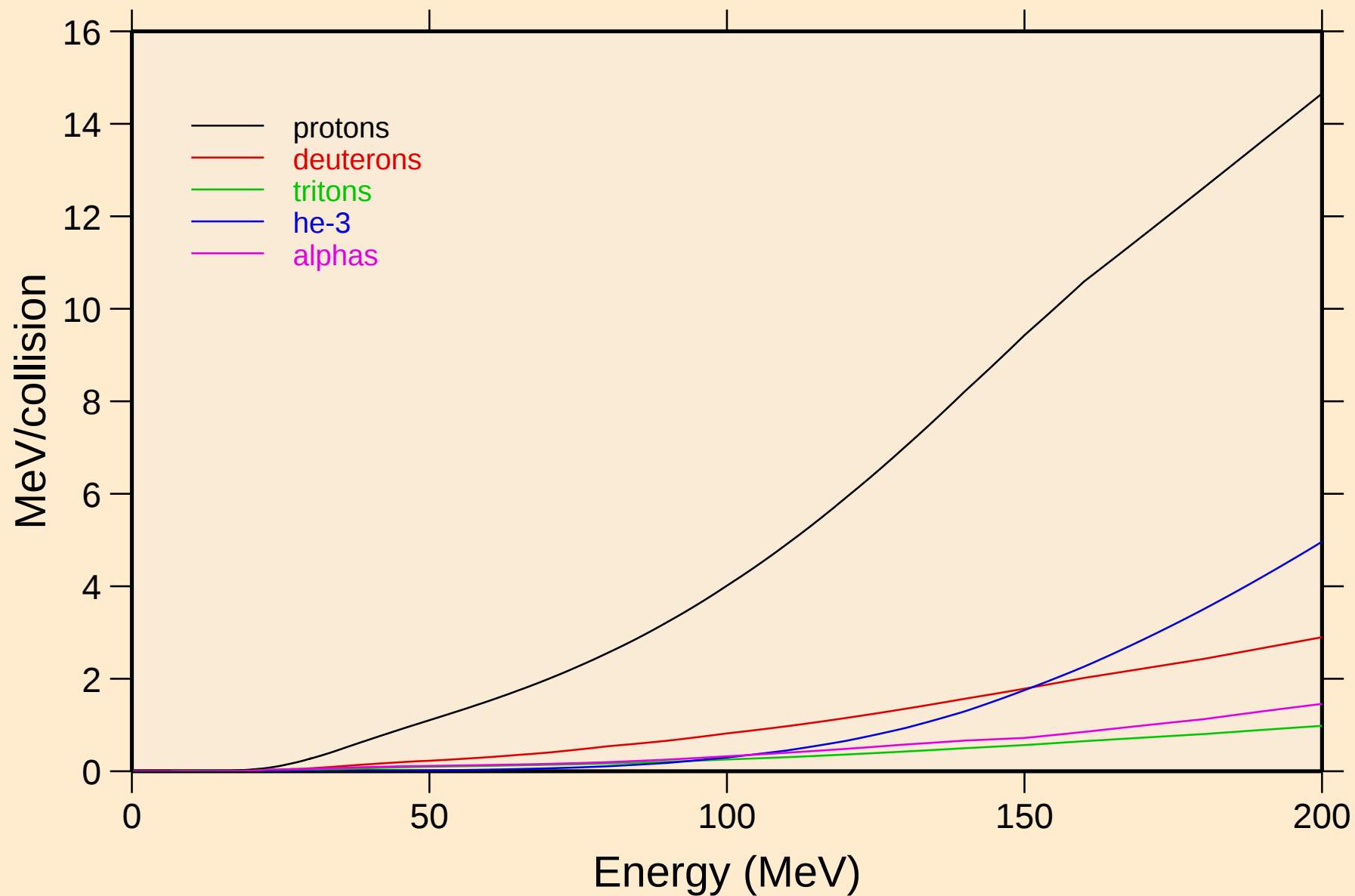


SM157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
14 MeV photon spectrum

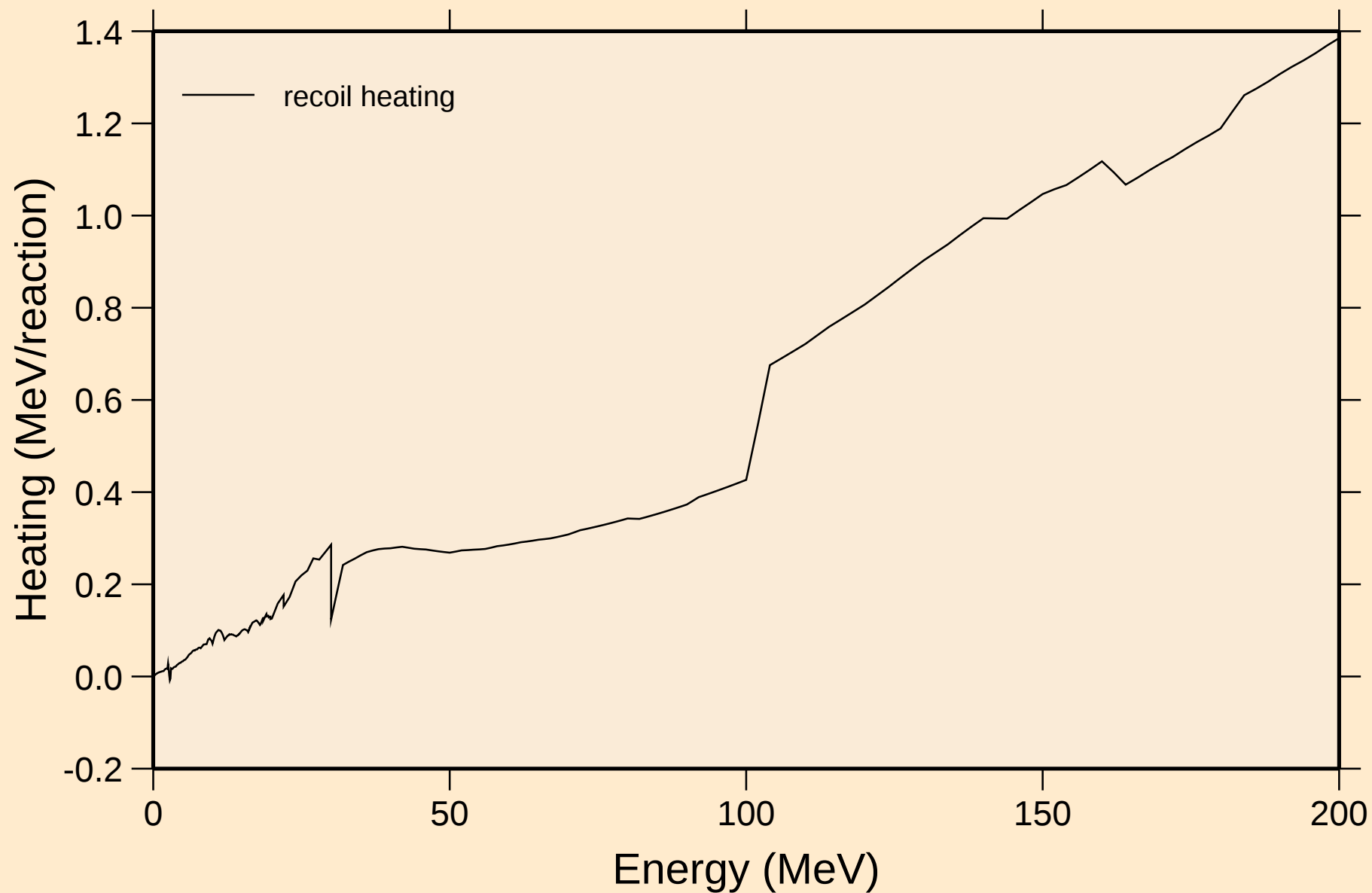


# SM157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

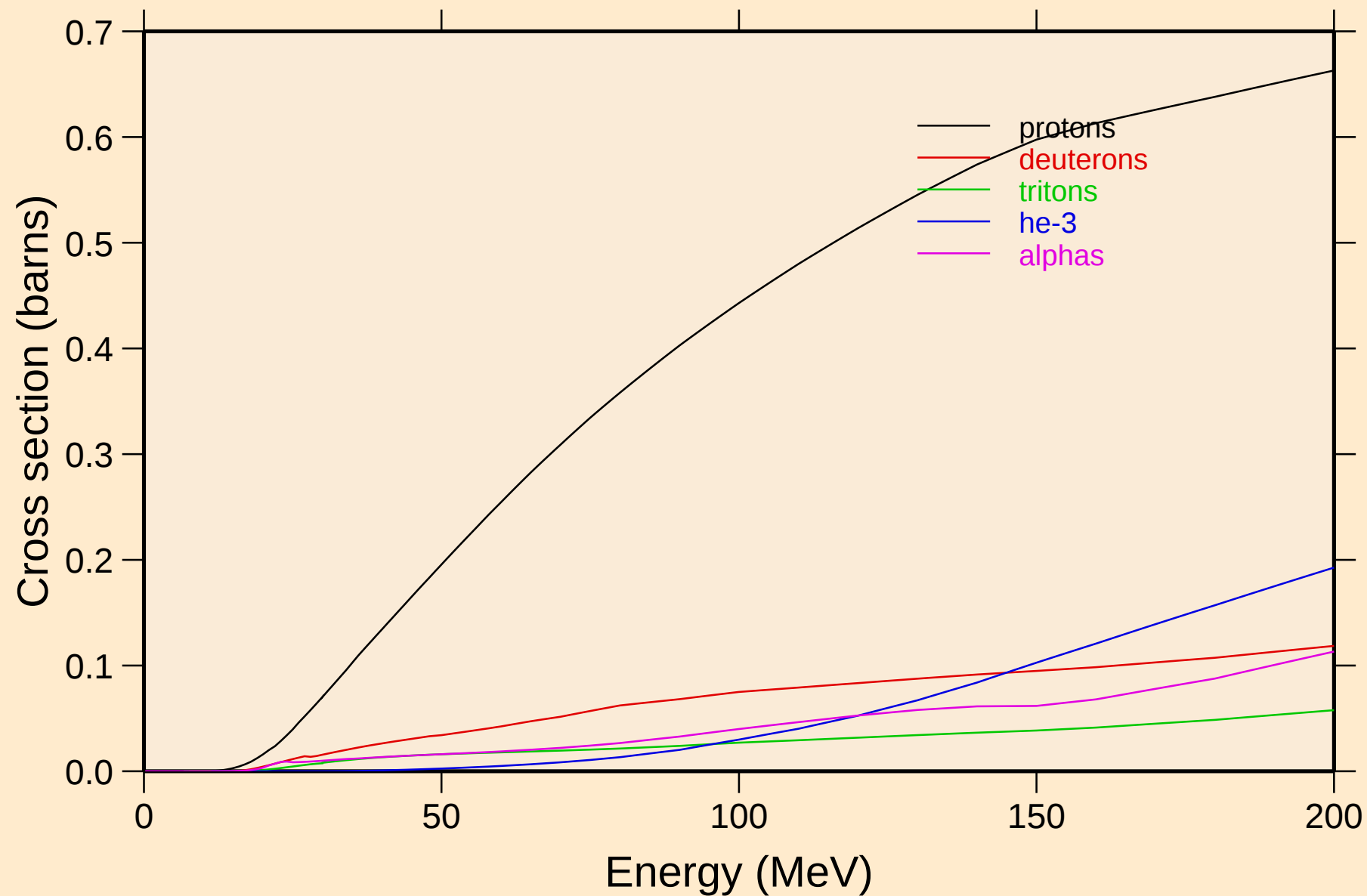
## Particle heating contributions



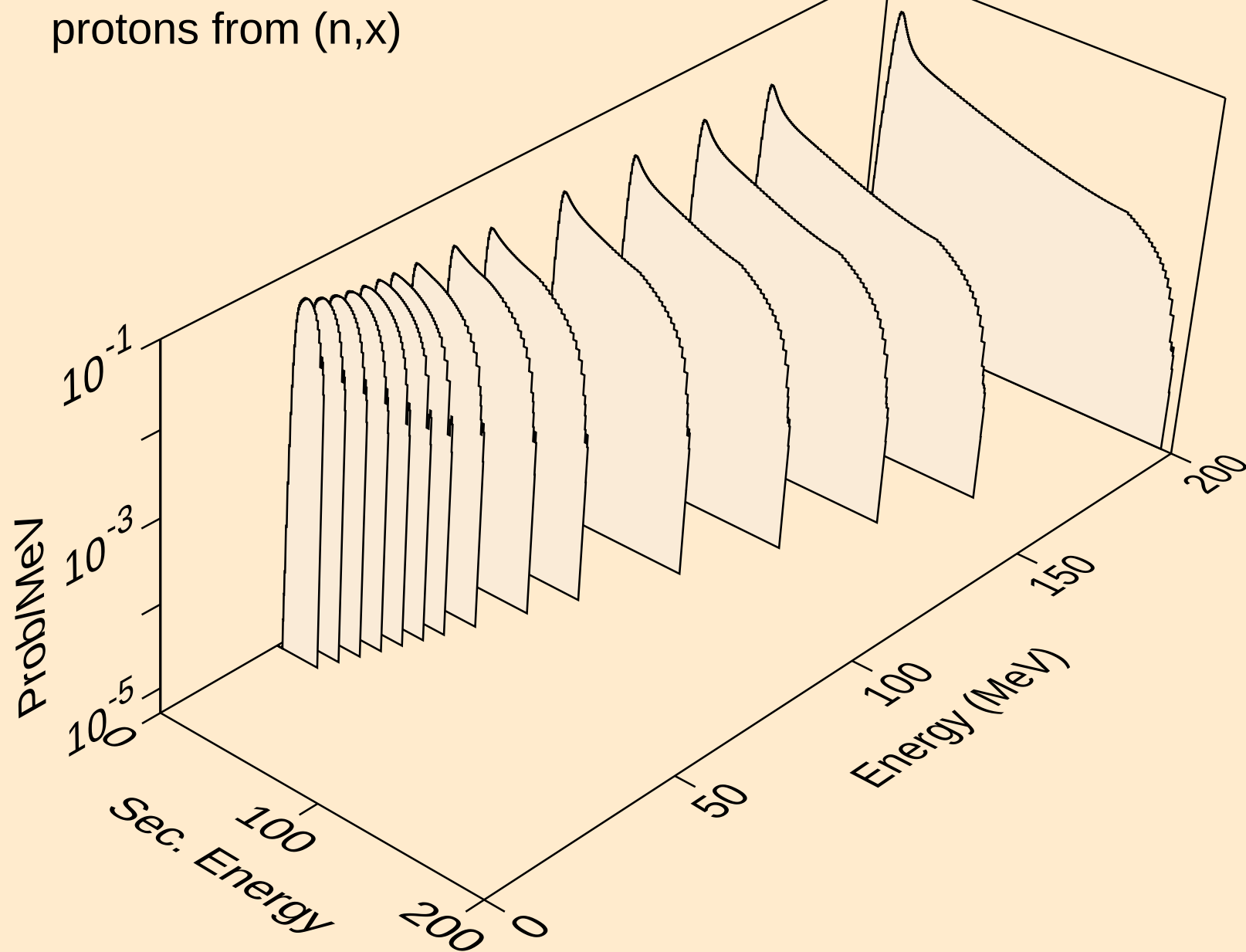
SM157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Recoil Heating



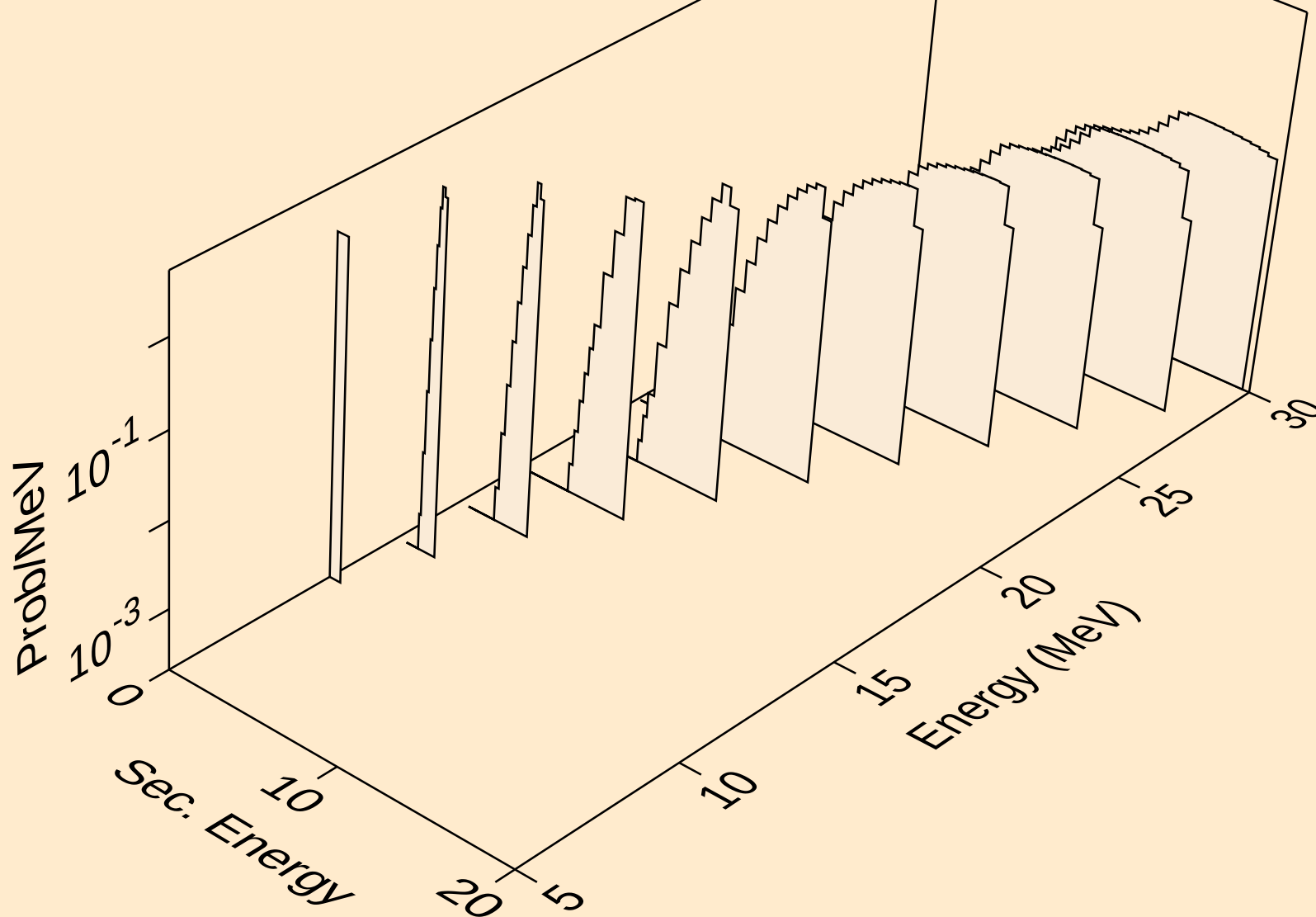
SM157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Particle production cross sections



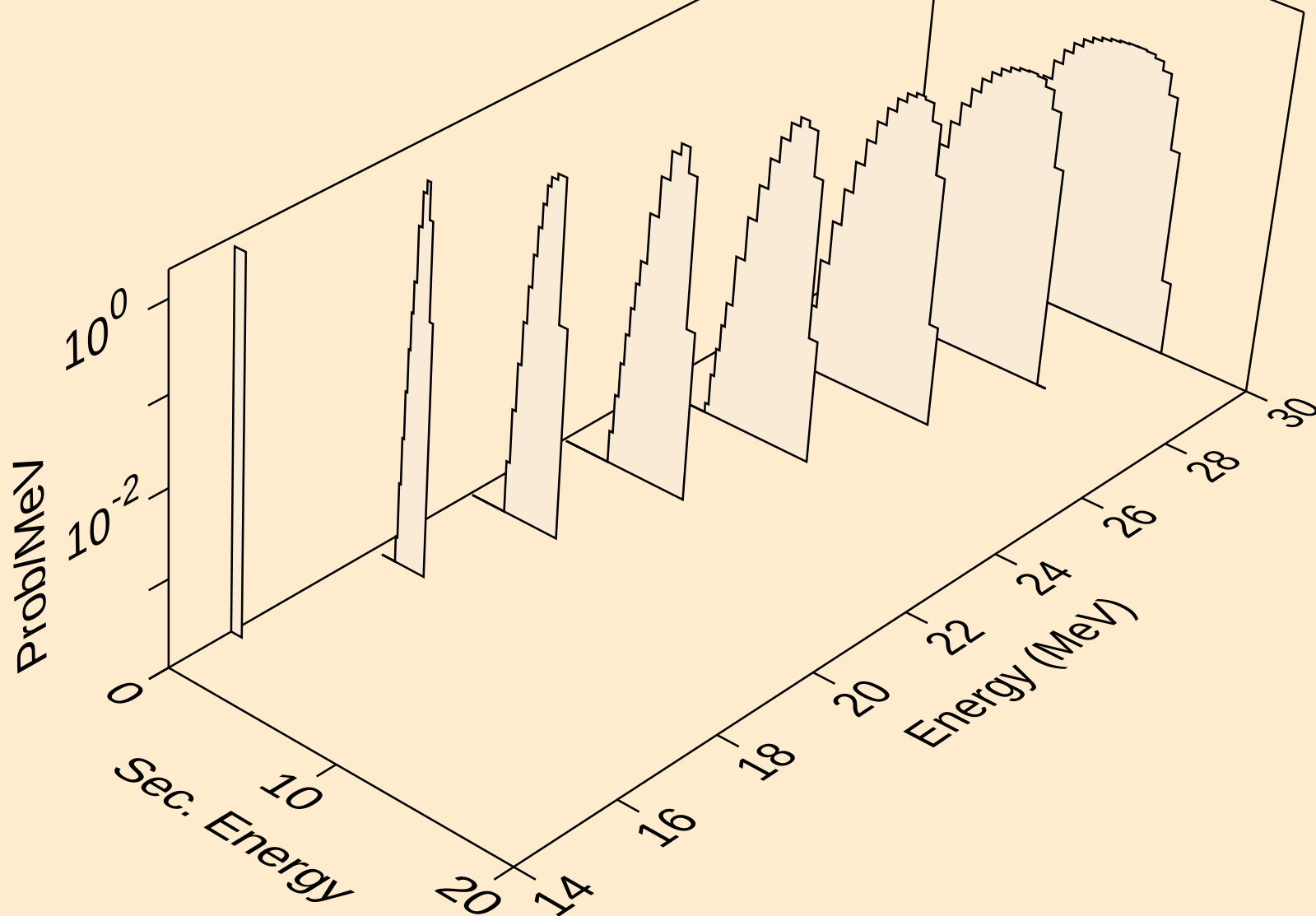
SM157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,x)



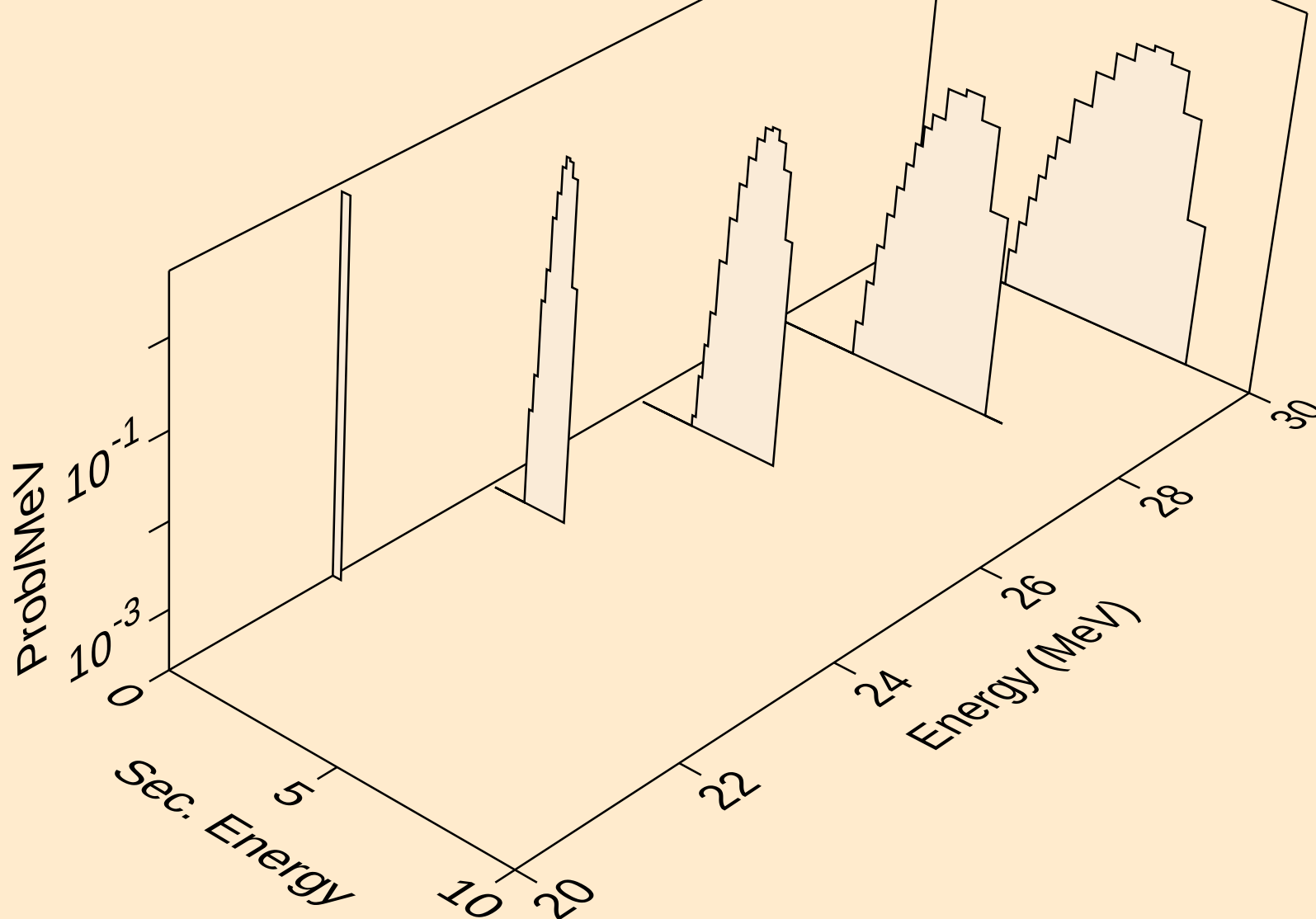
SM157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,n\*)p



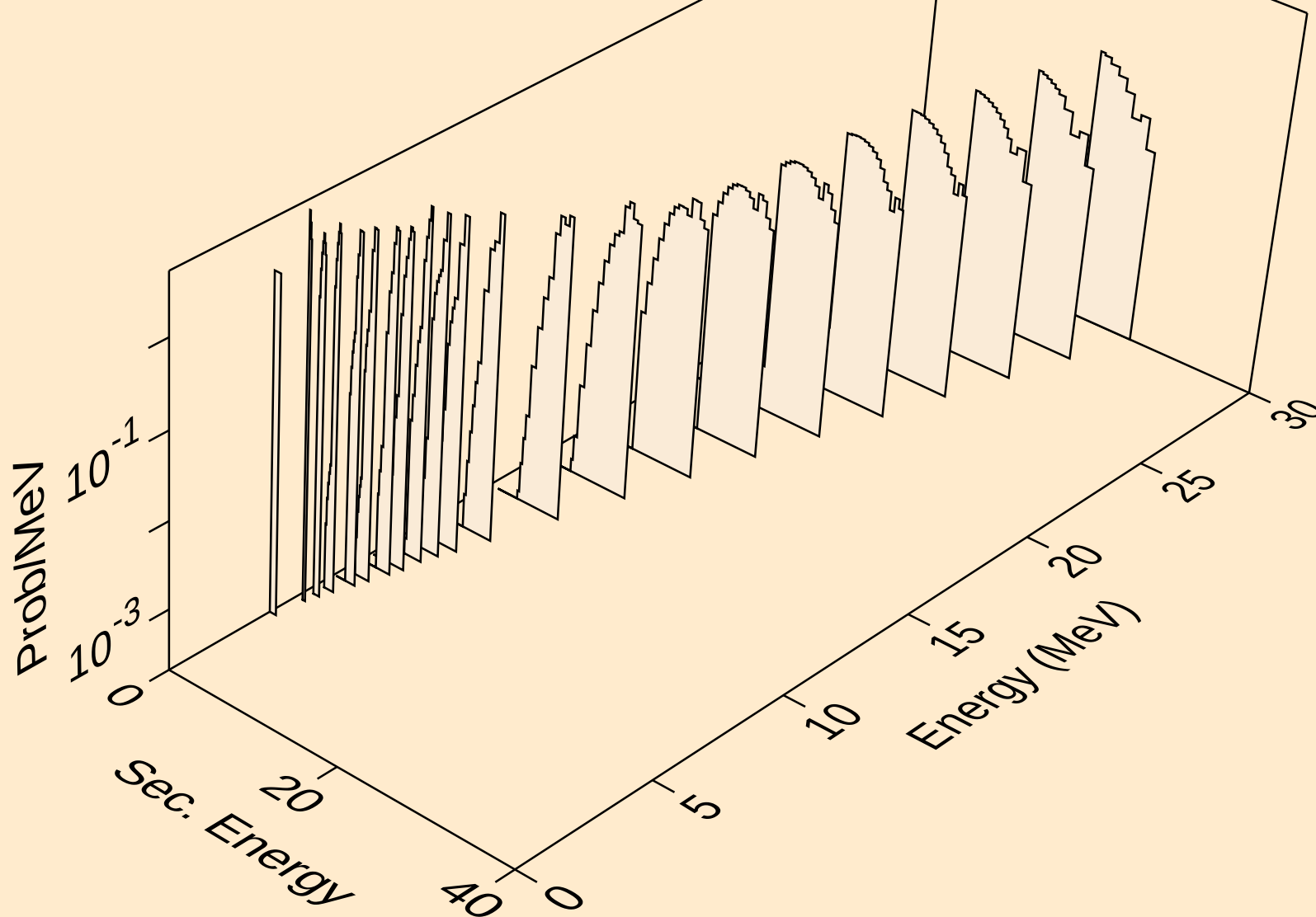
SM157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,2np)



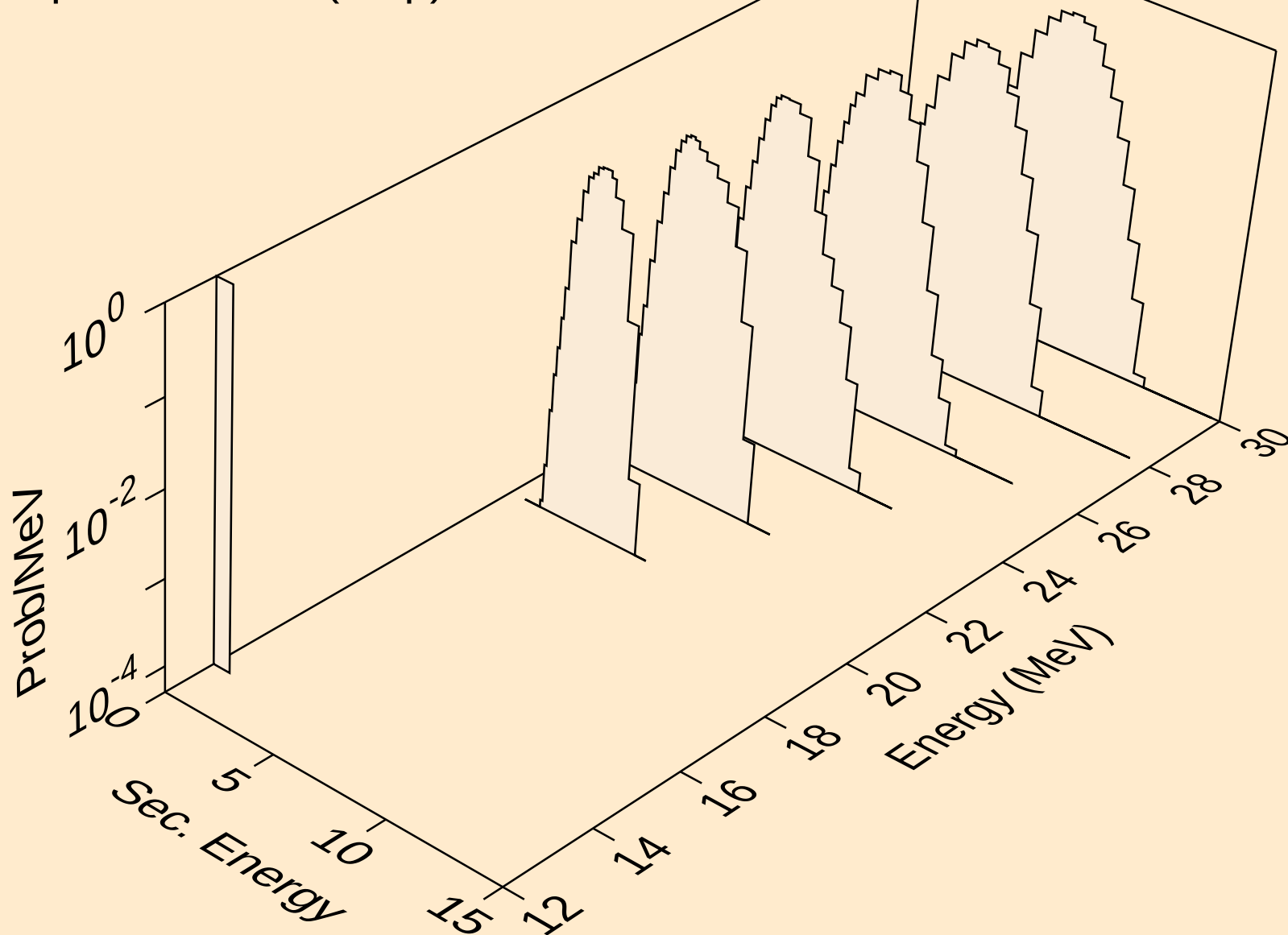
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protons from (n,3np)



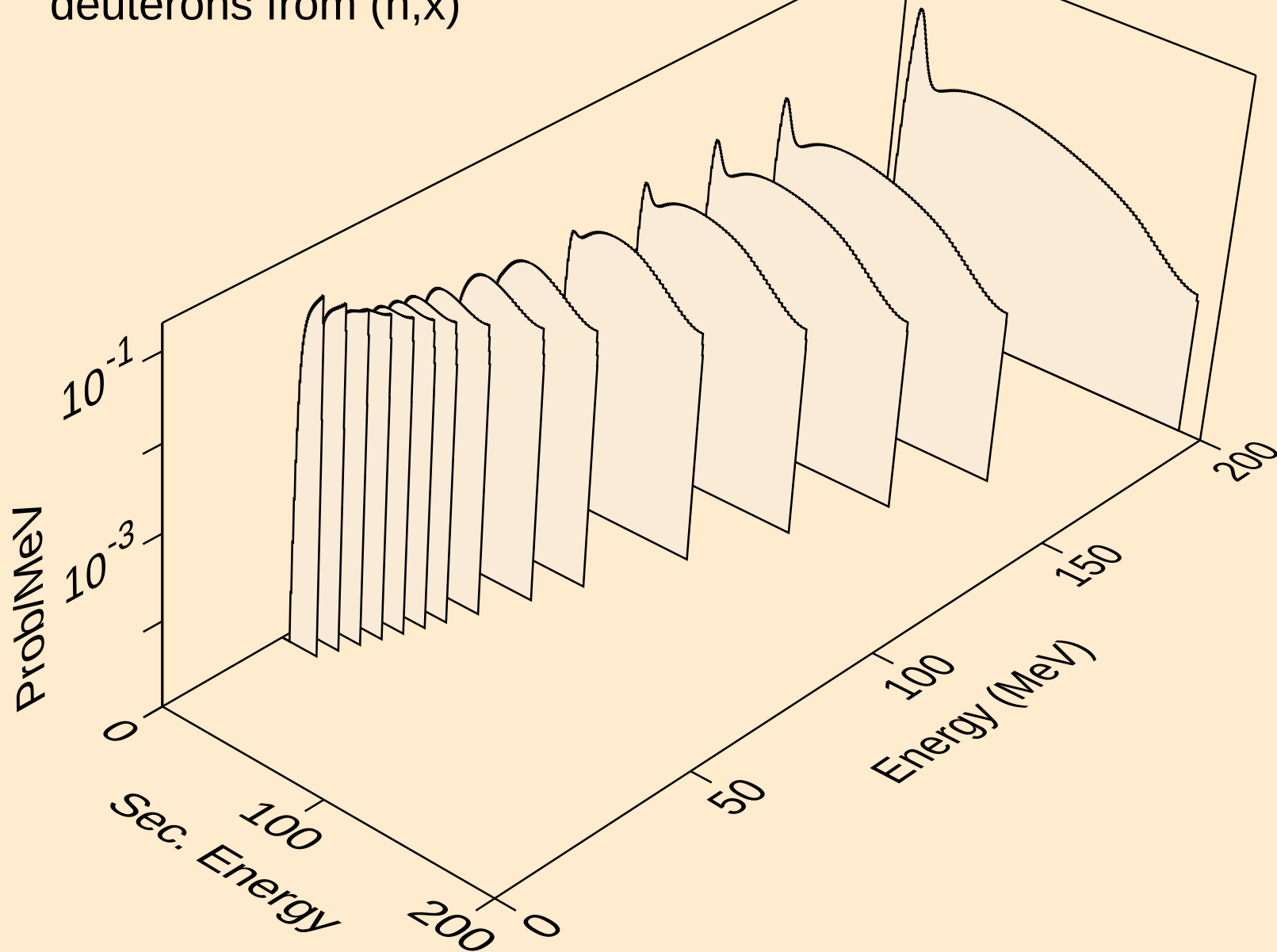
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protons from (n,p)



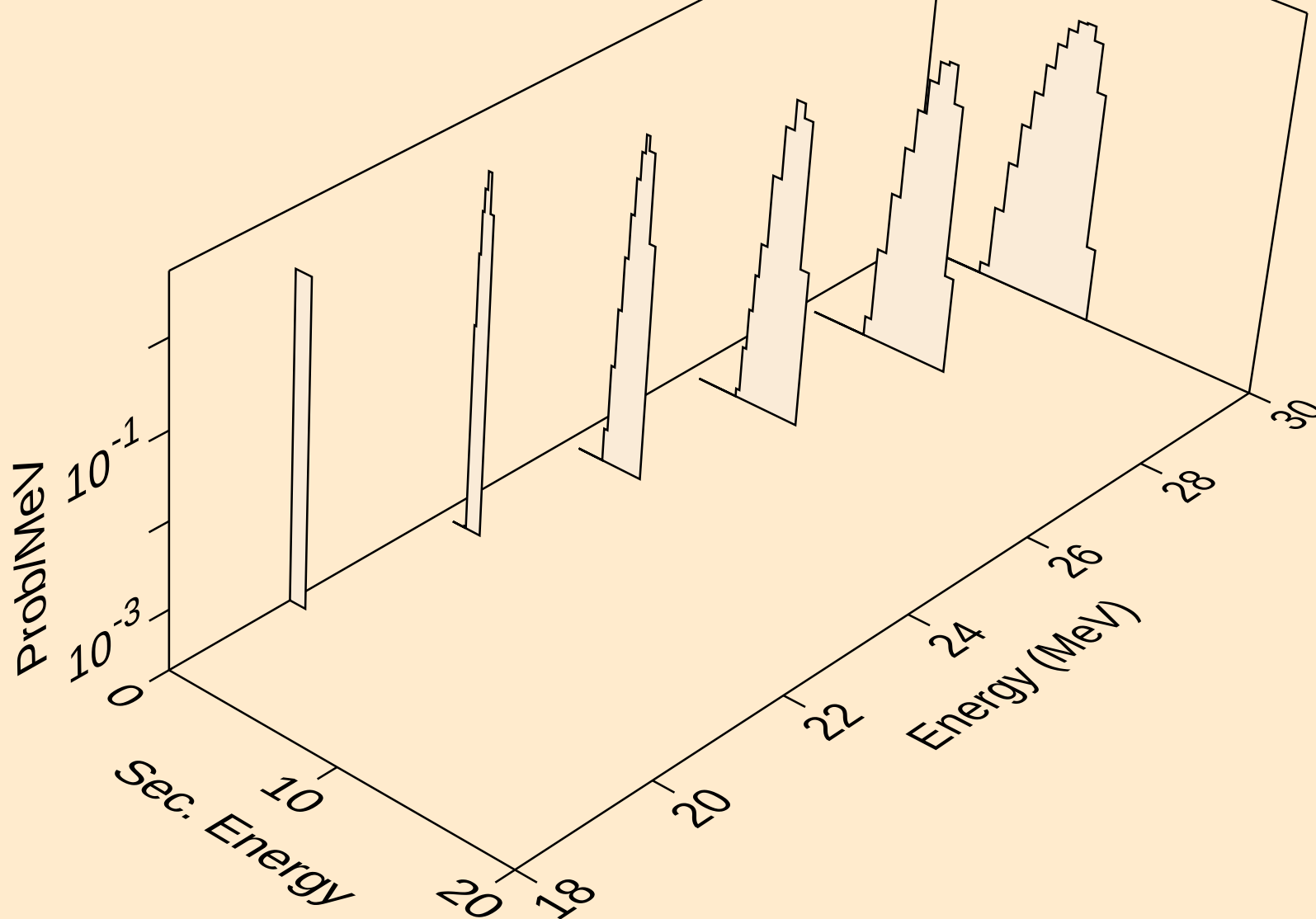
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protons from (n,2p)



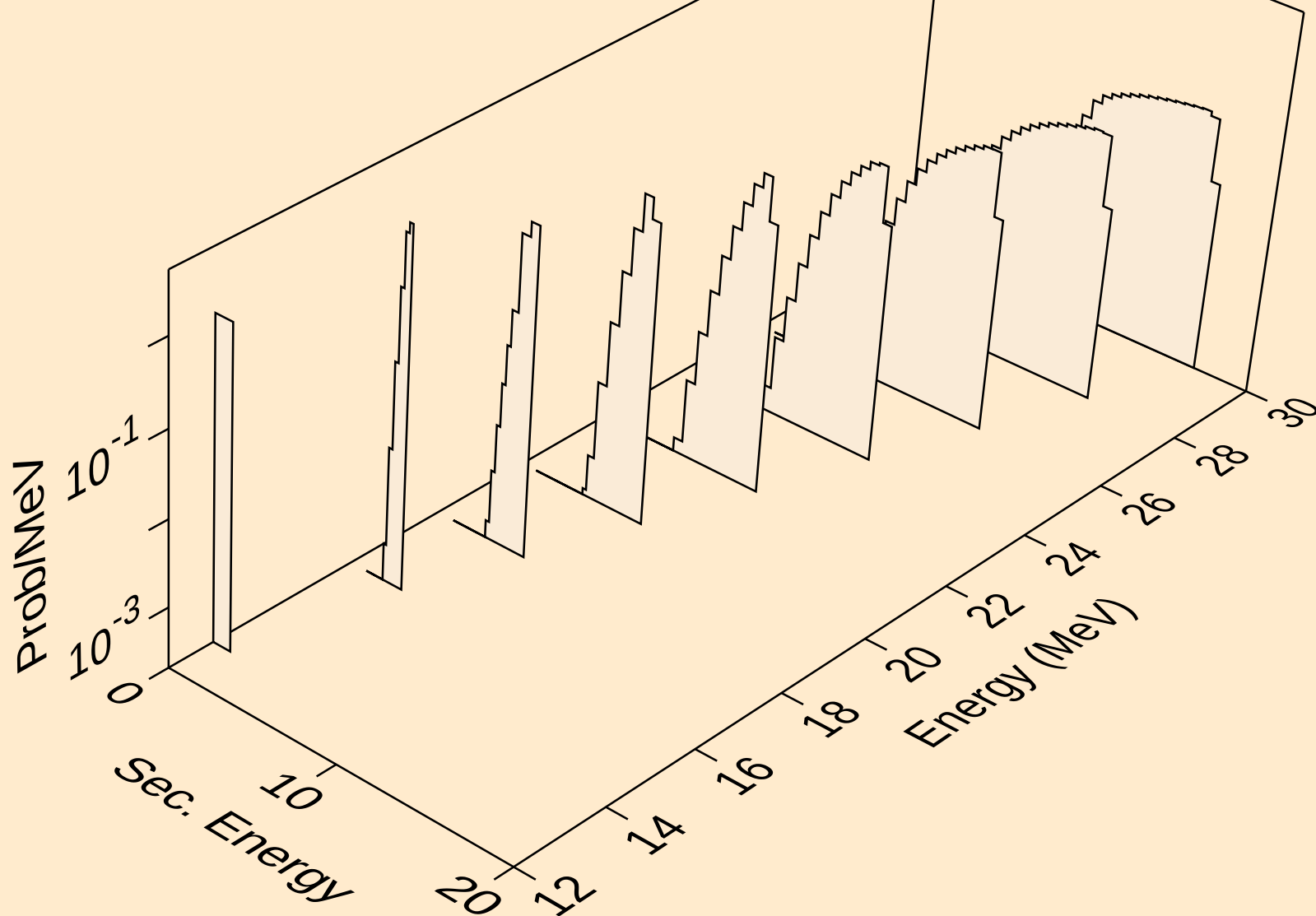
SM157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,x)



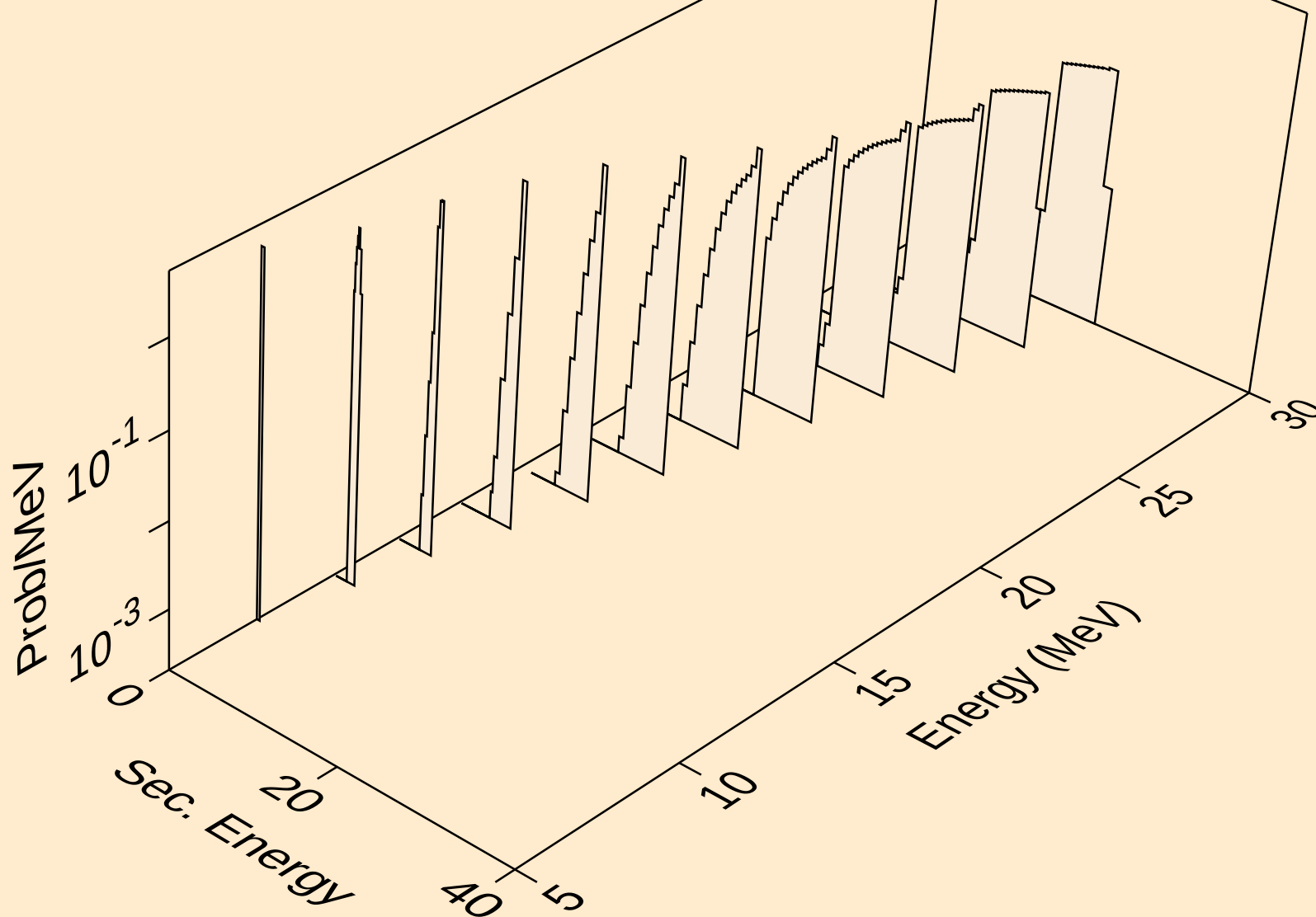
SM157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,2nd)



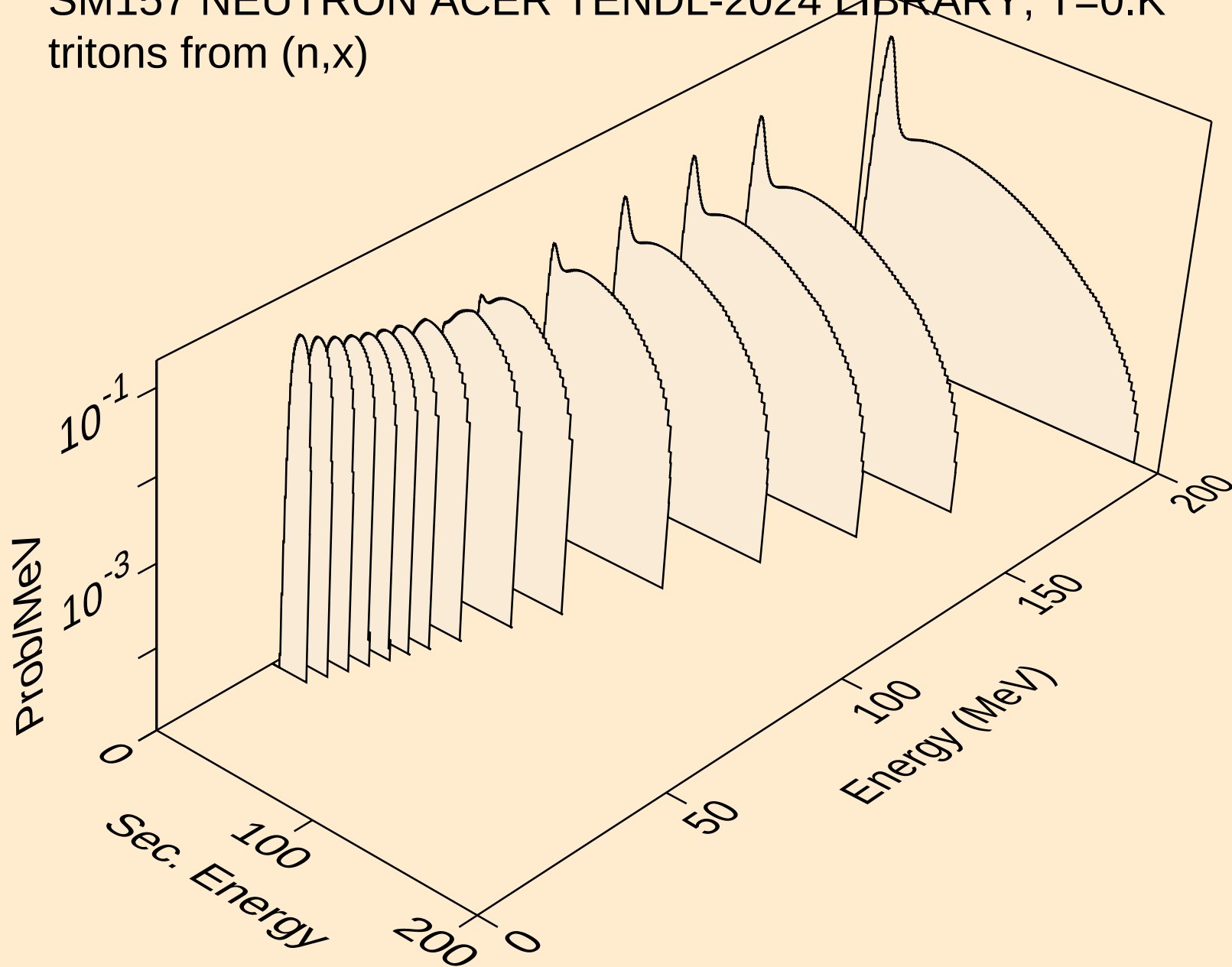
SM157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,n\*)d



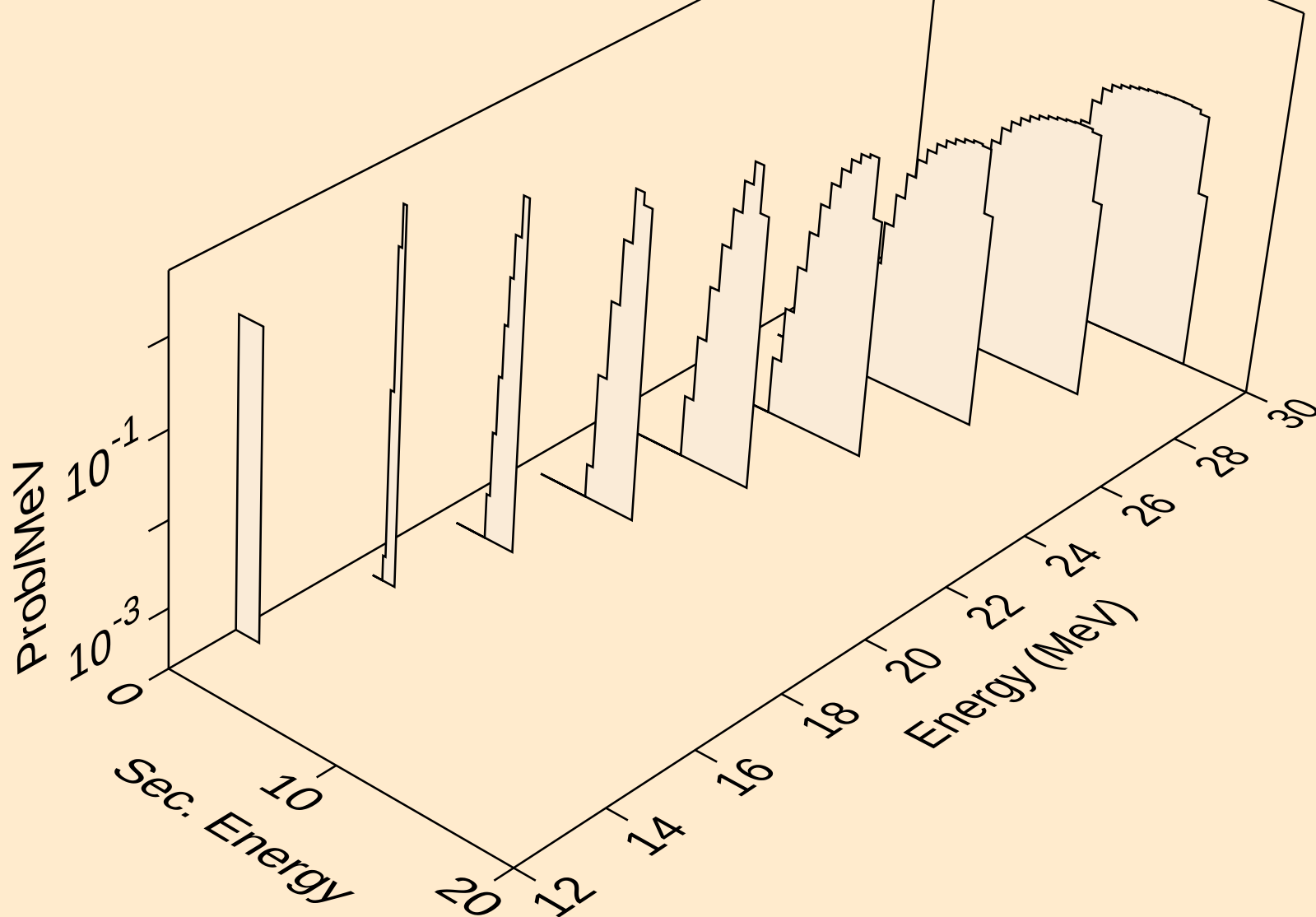
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deuterons from (n,d)



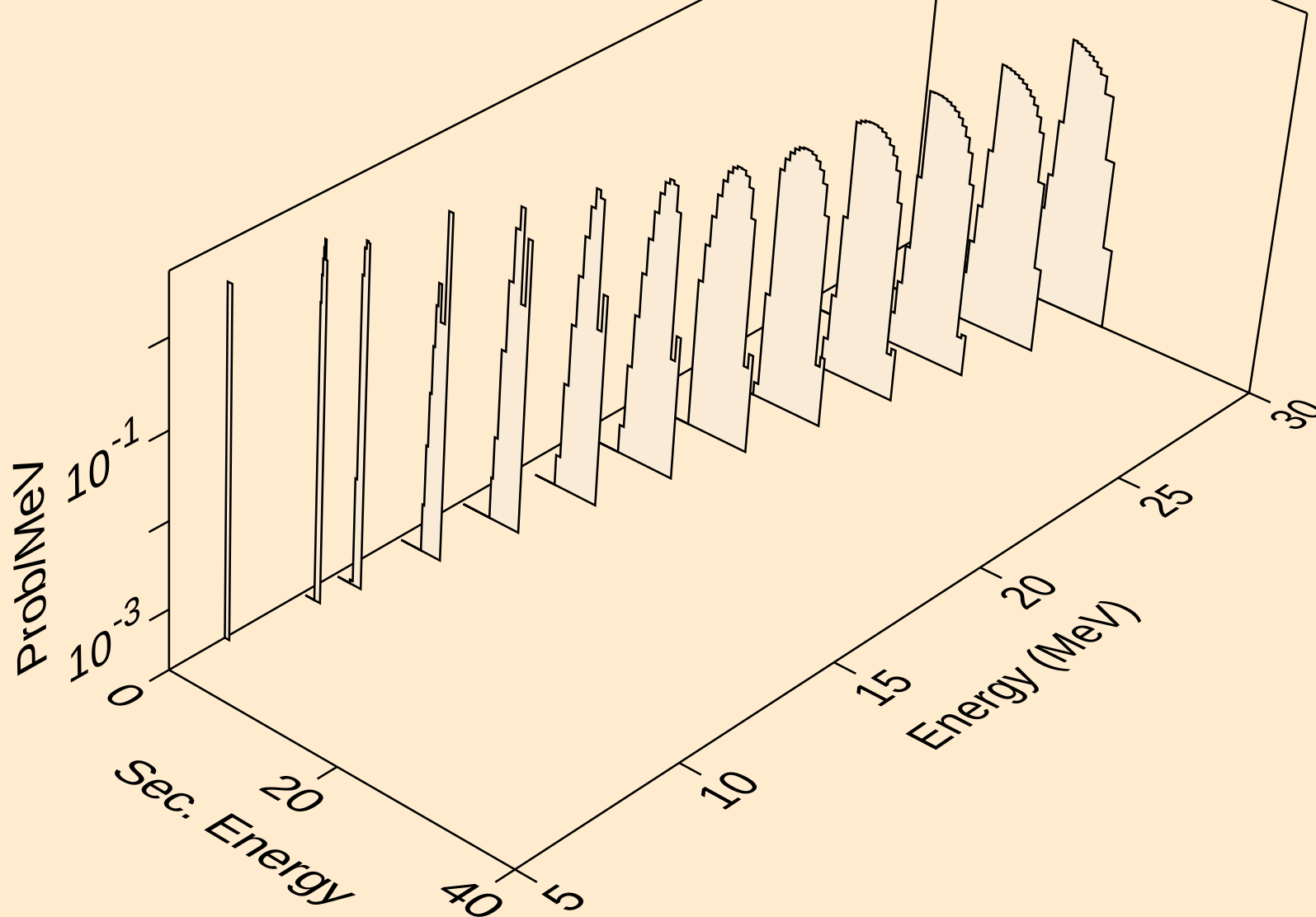
SM157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,x)



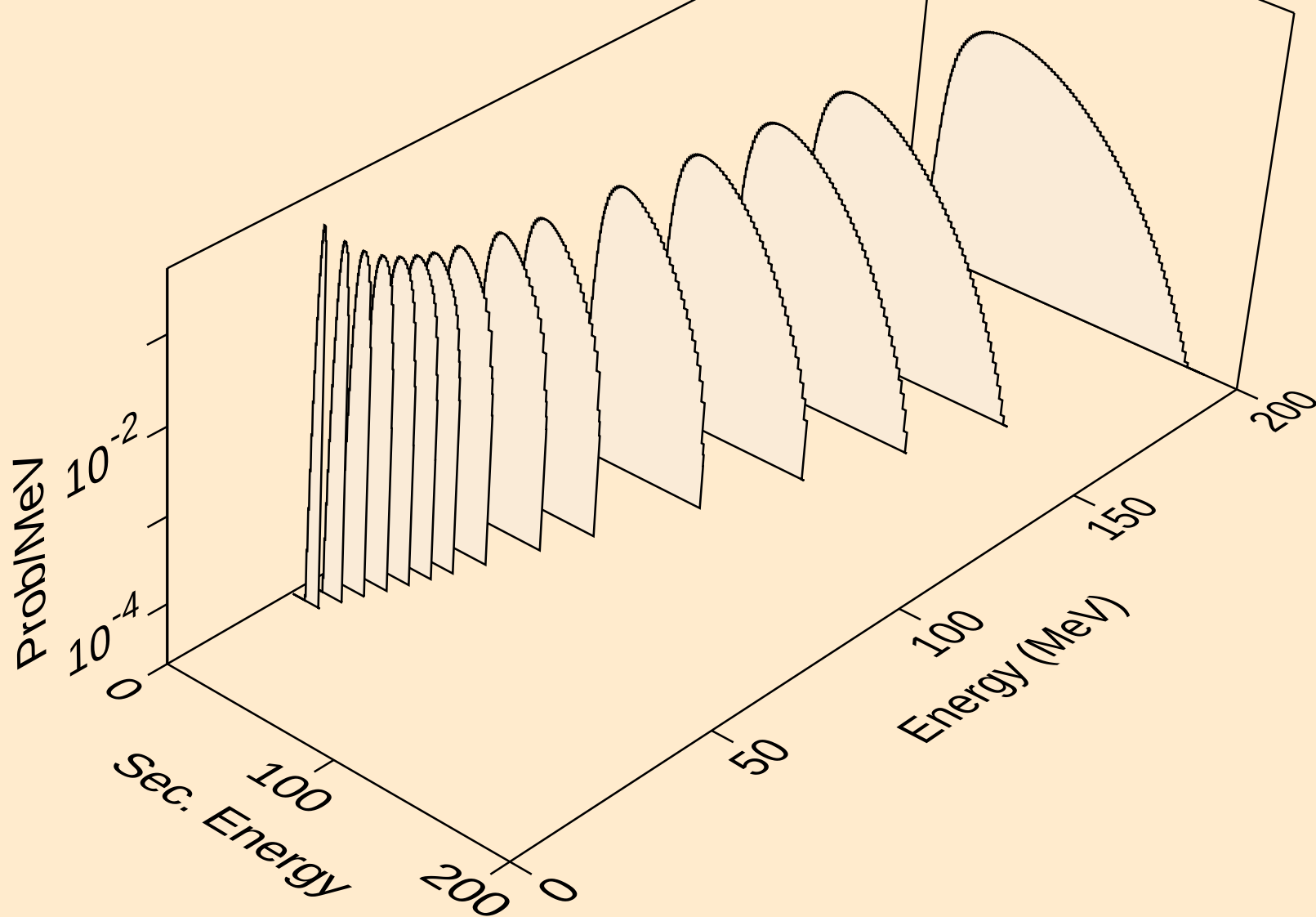
SM157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,n\*)t



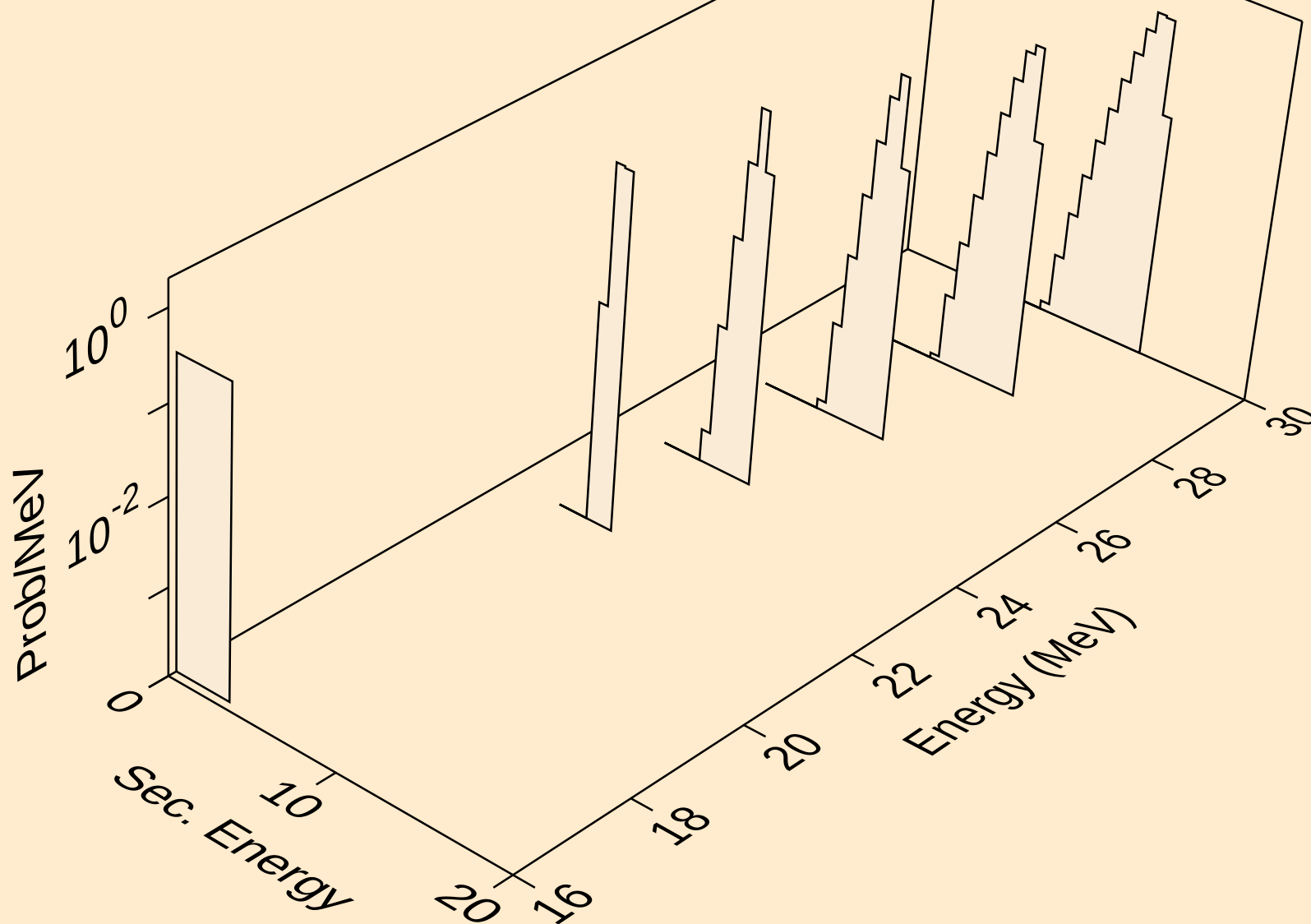
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tritons from (n,t)



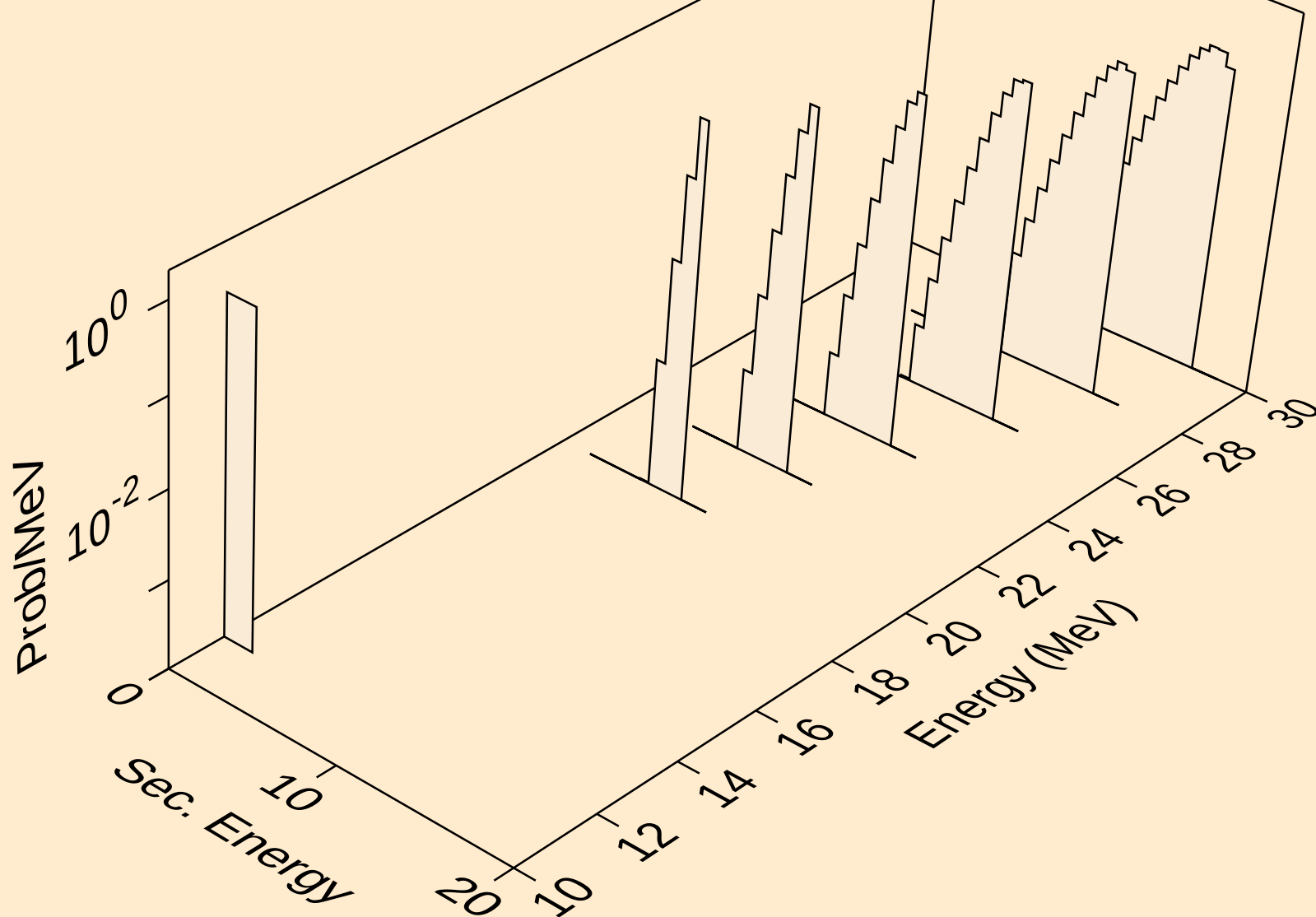
SM157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,x)



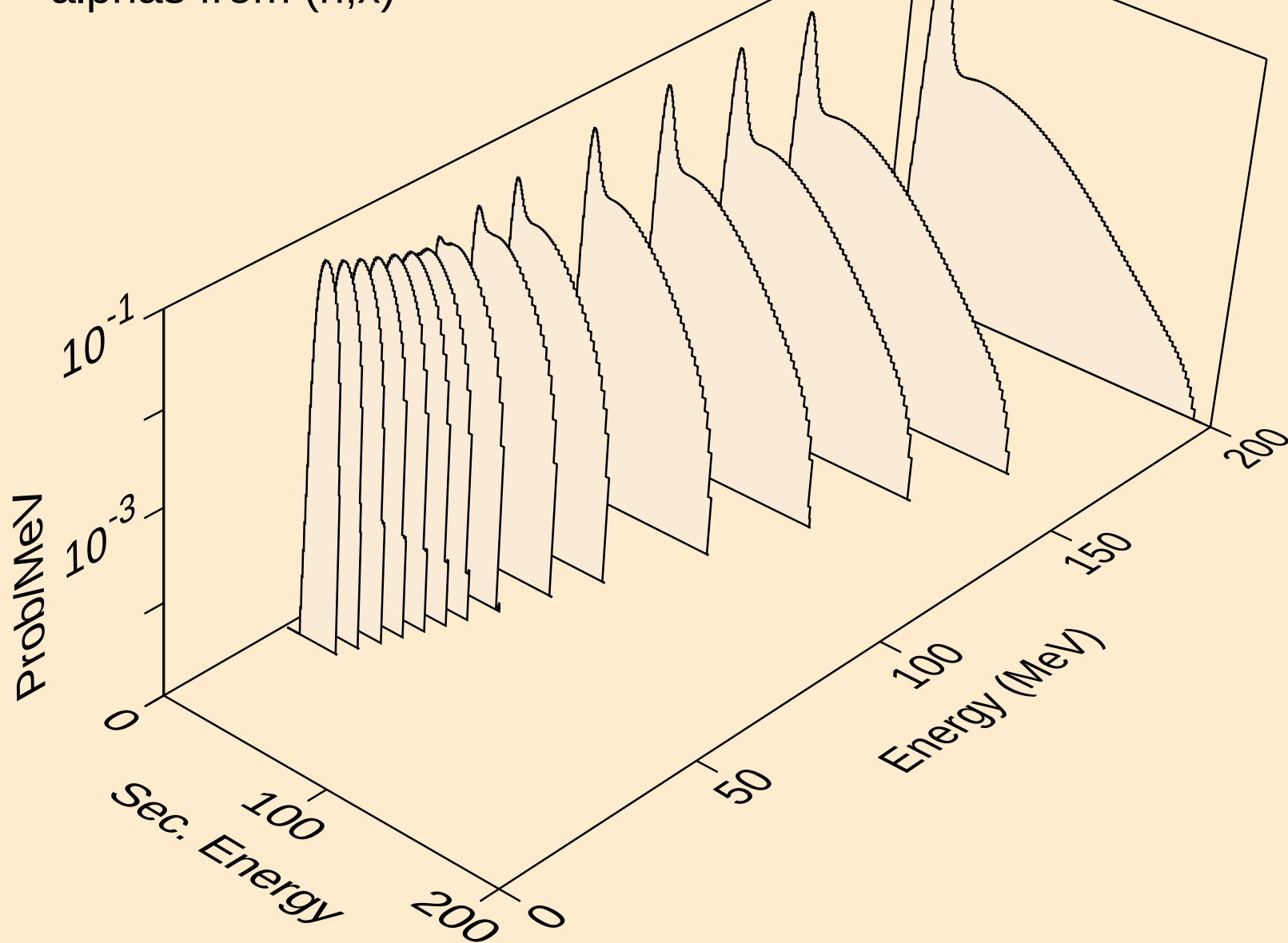
SM157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,n\*)he3



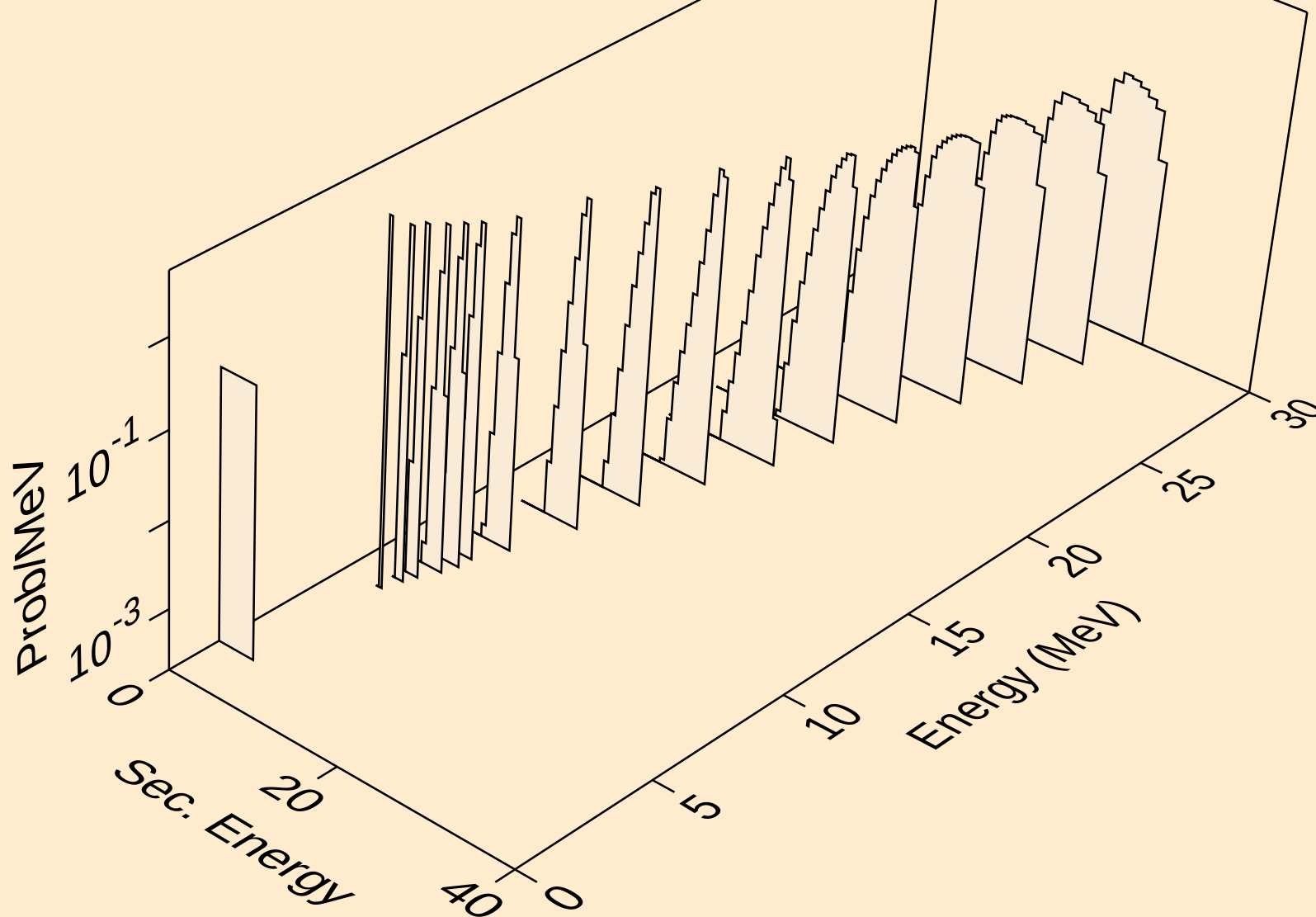
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he3s from (n,he3)



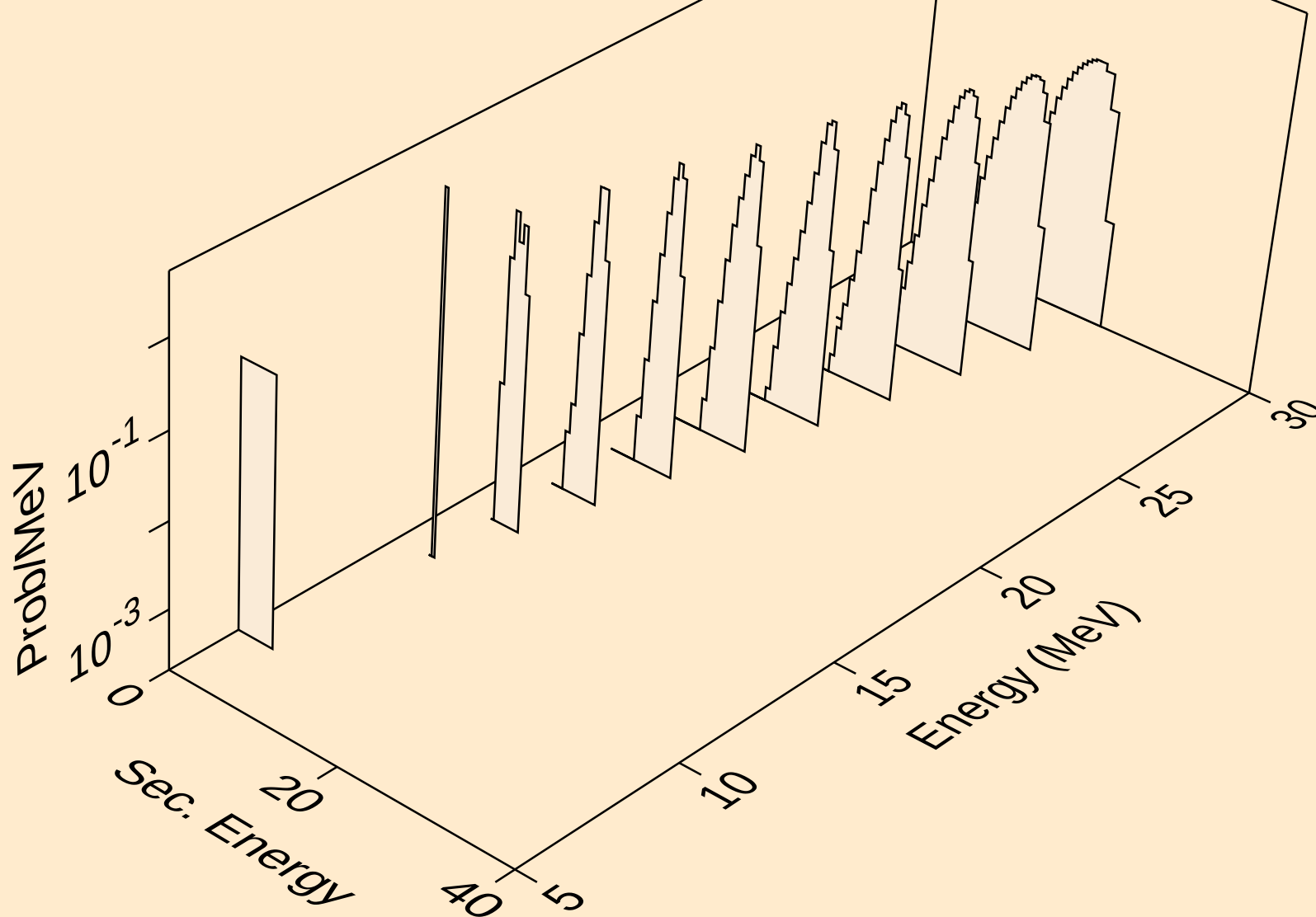
SM157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,x)



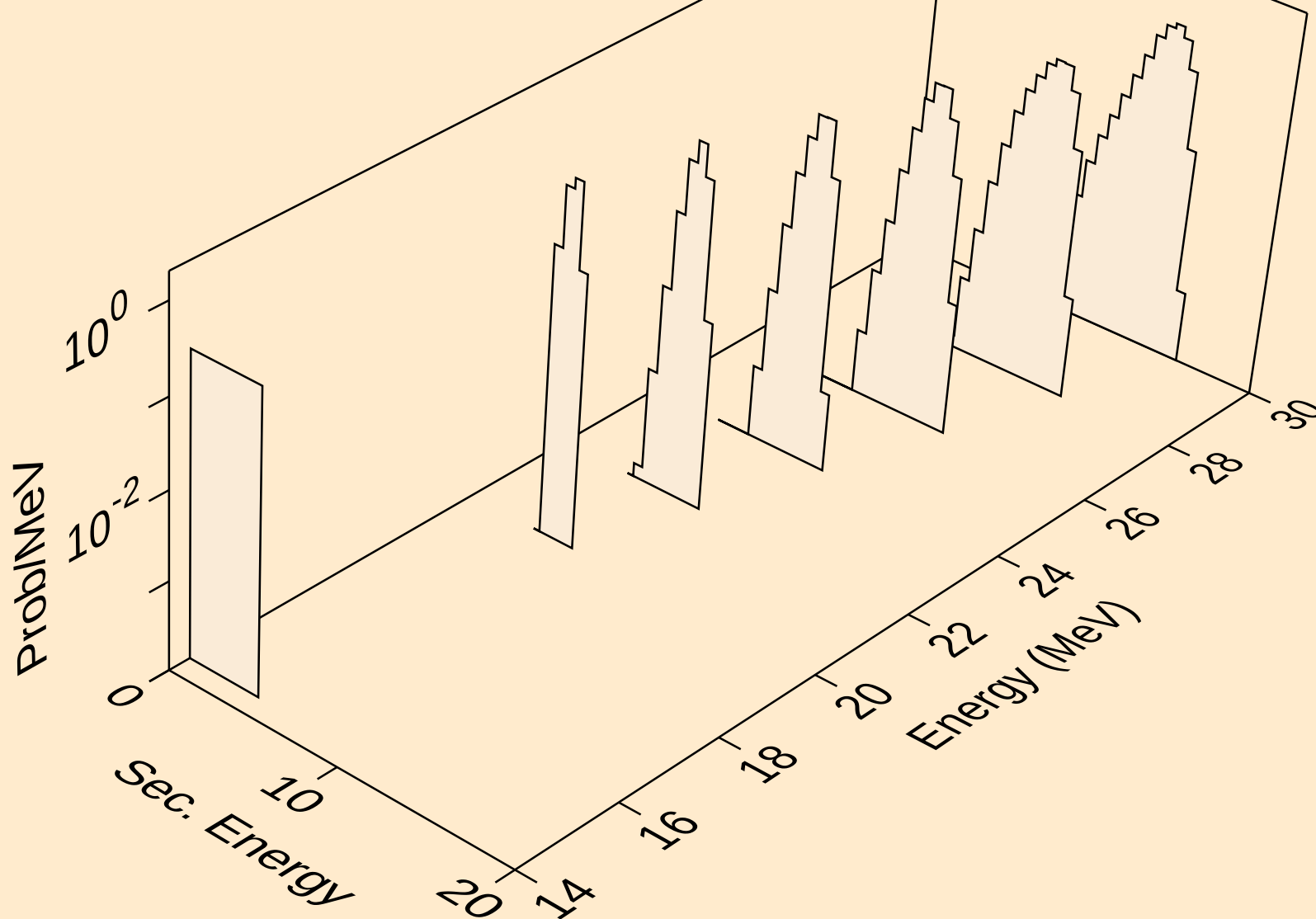
SM157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)a



SM157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2n)a



SM157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,3n)a



SM157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,a)

