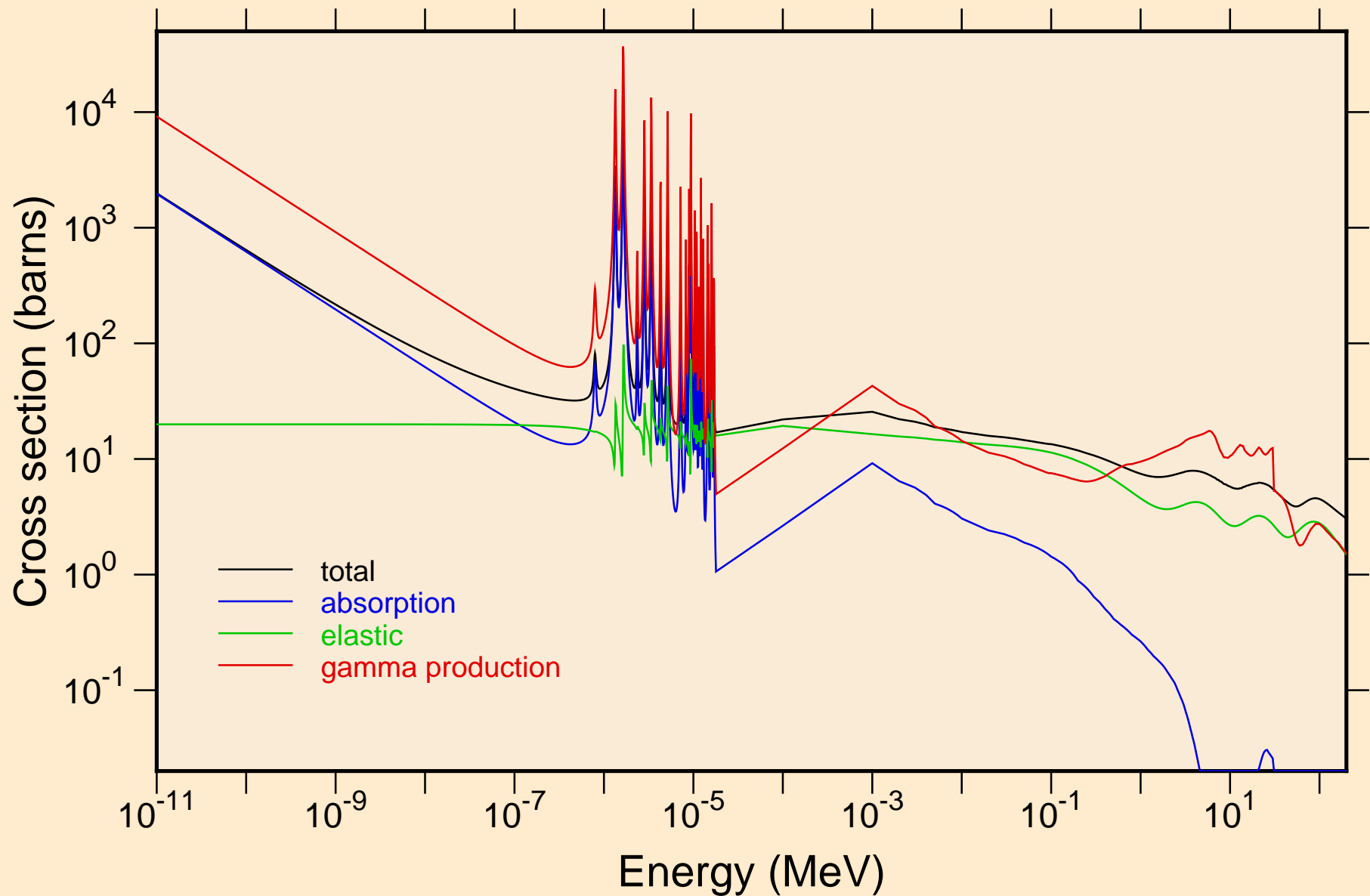
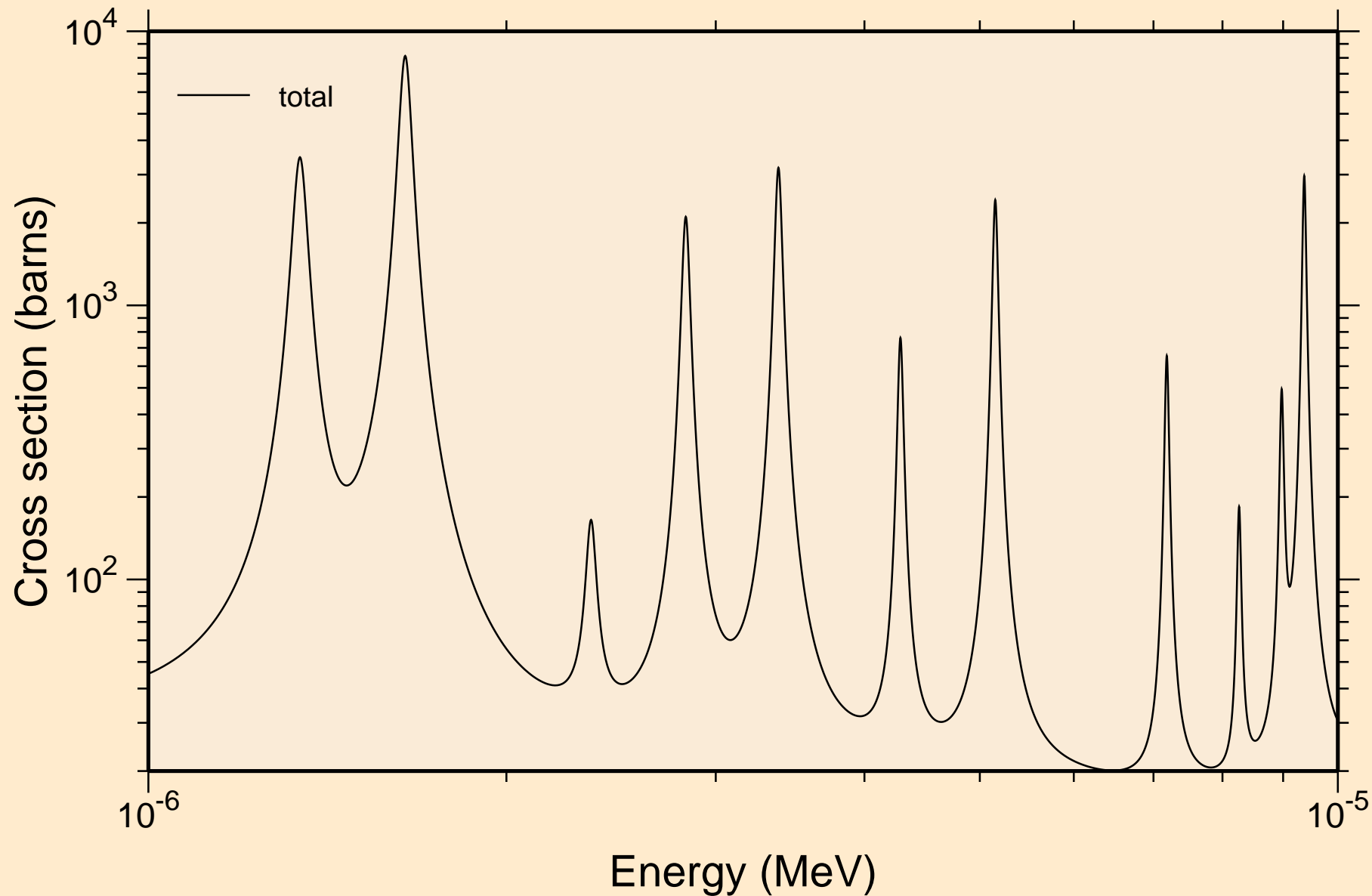


# PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

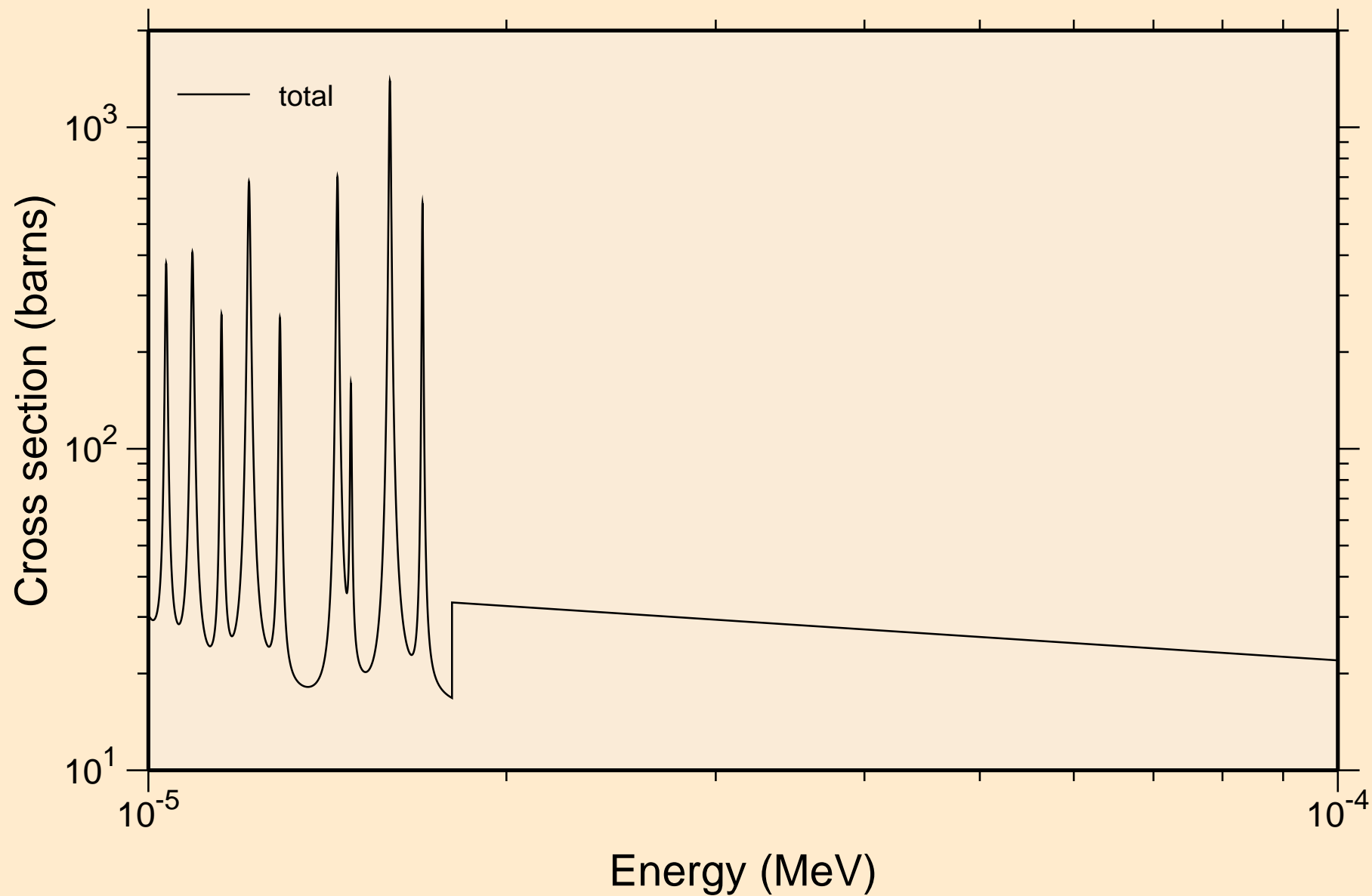
## Principal cross sections



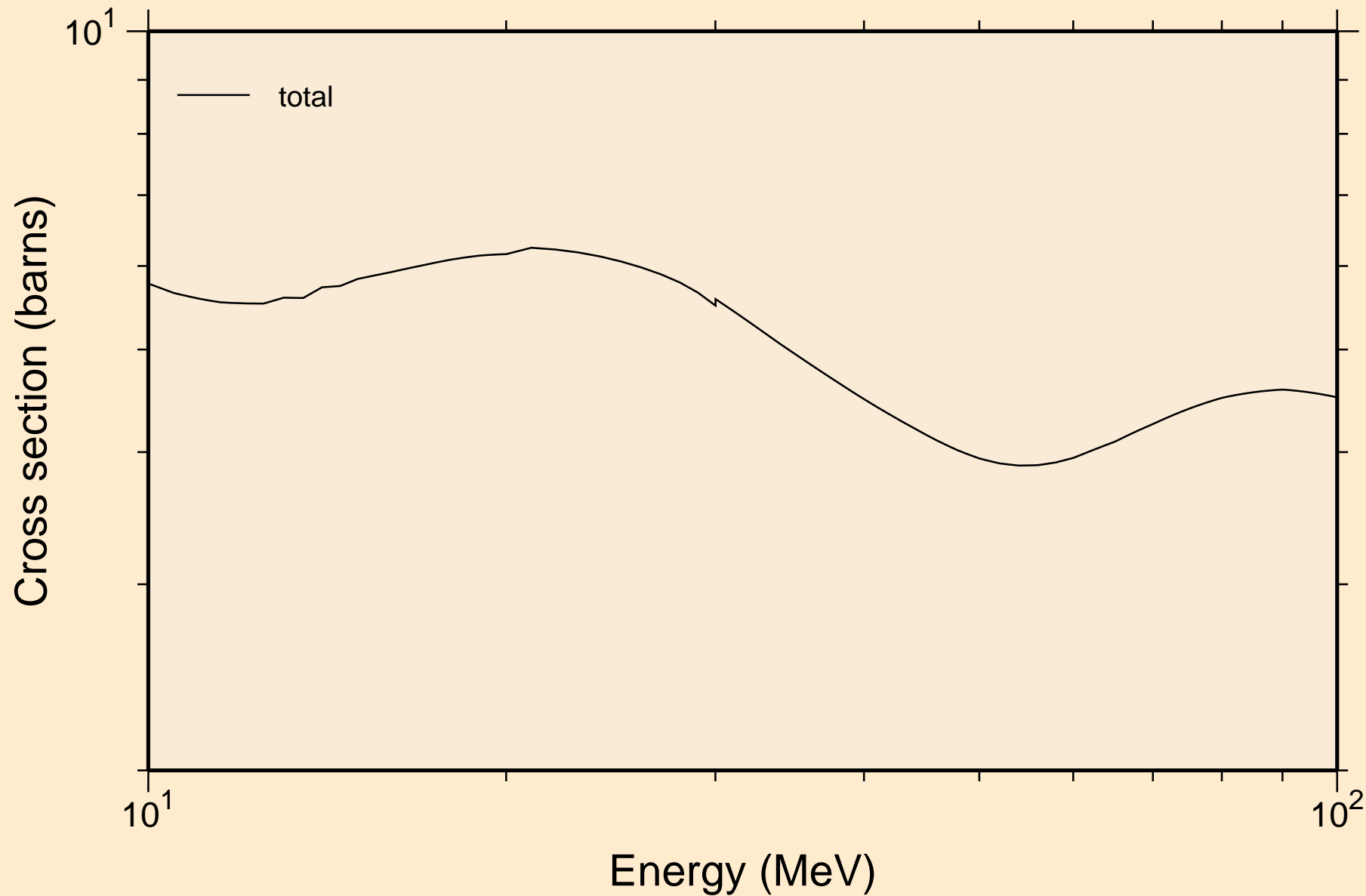
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resonance total cross section



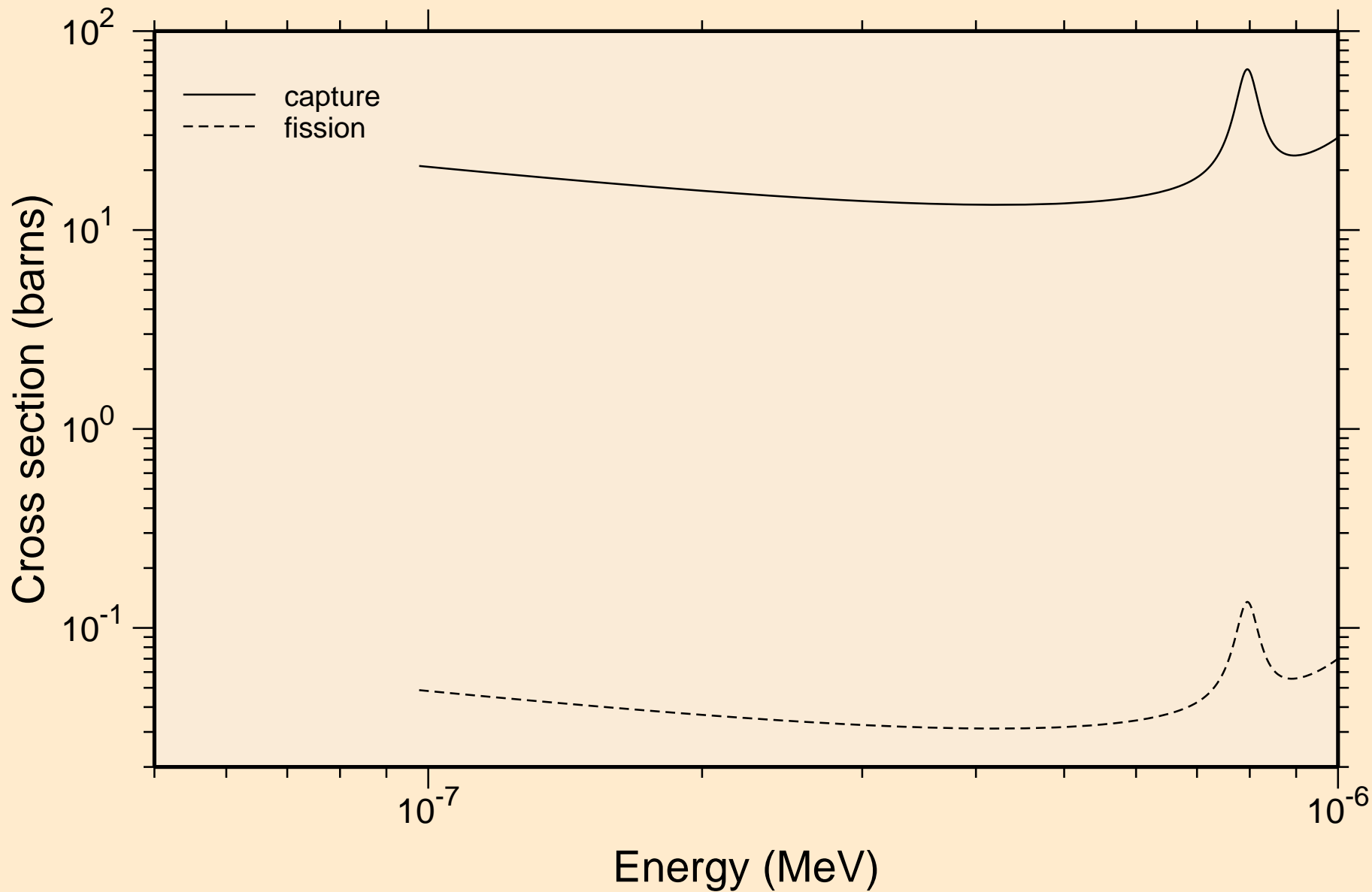
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resonance total cross section



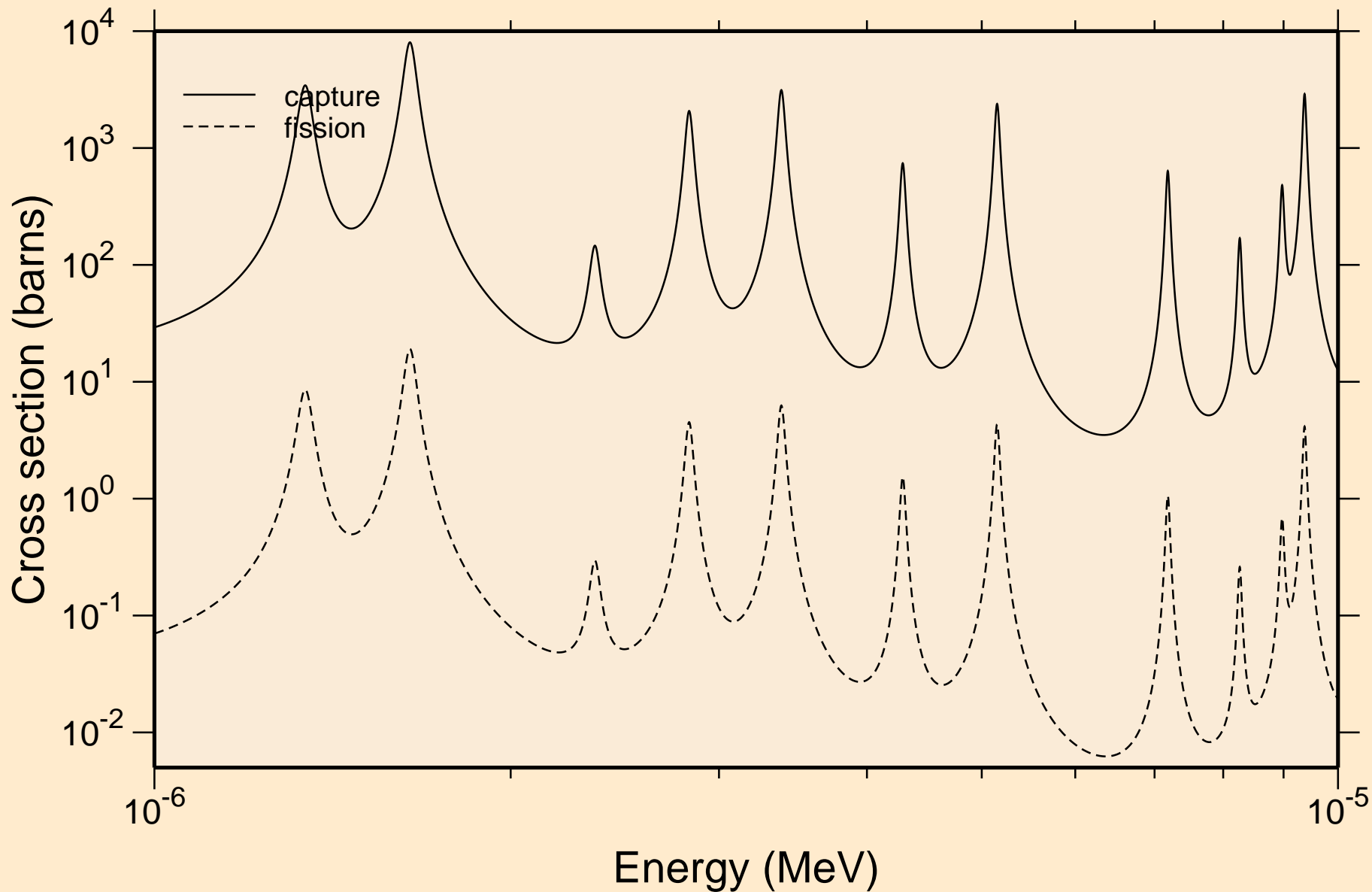
PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



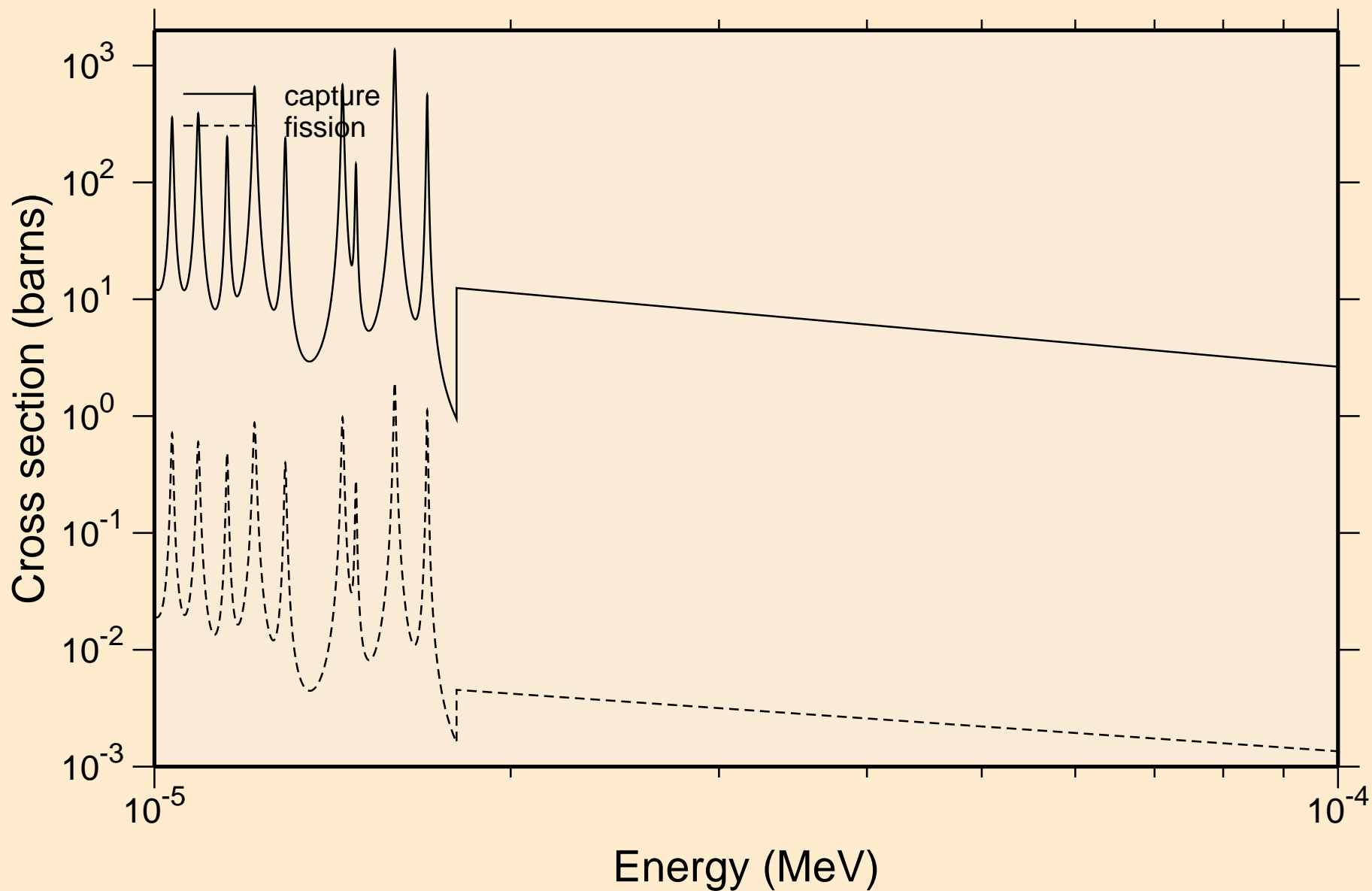
PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



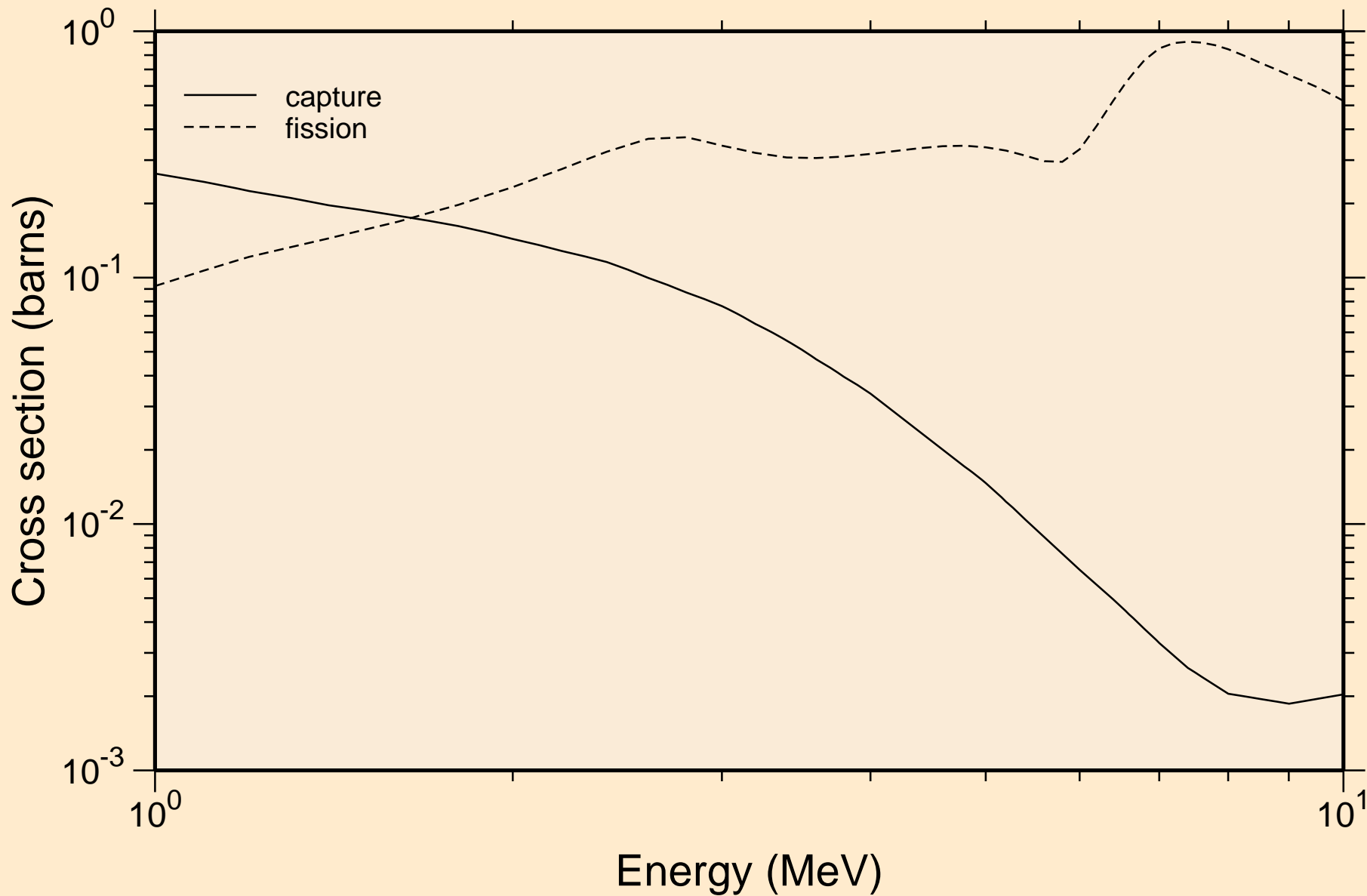
PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

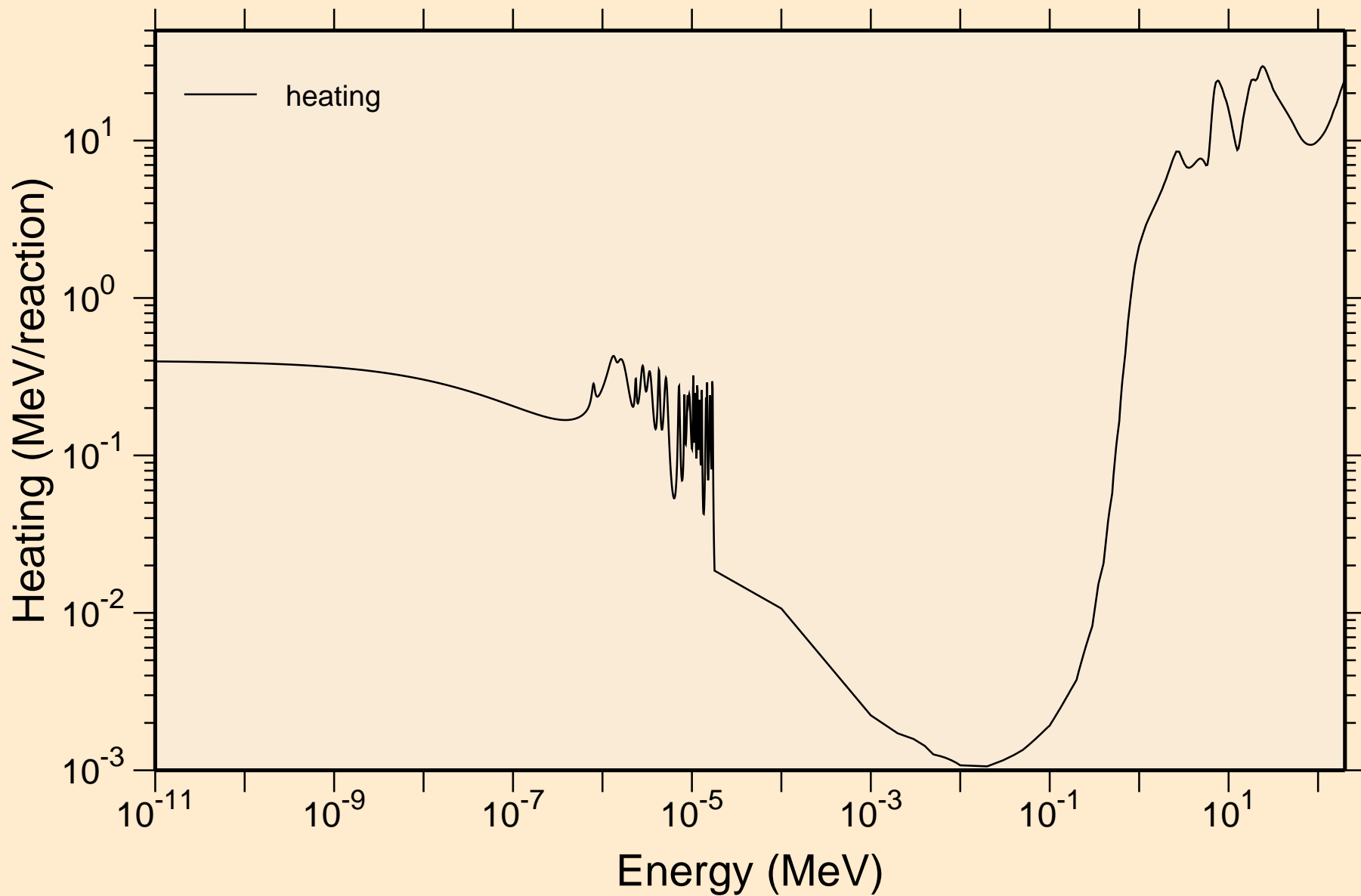


PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

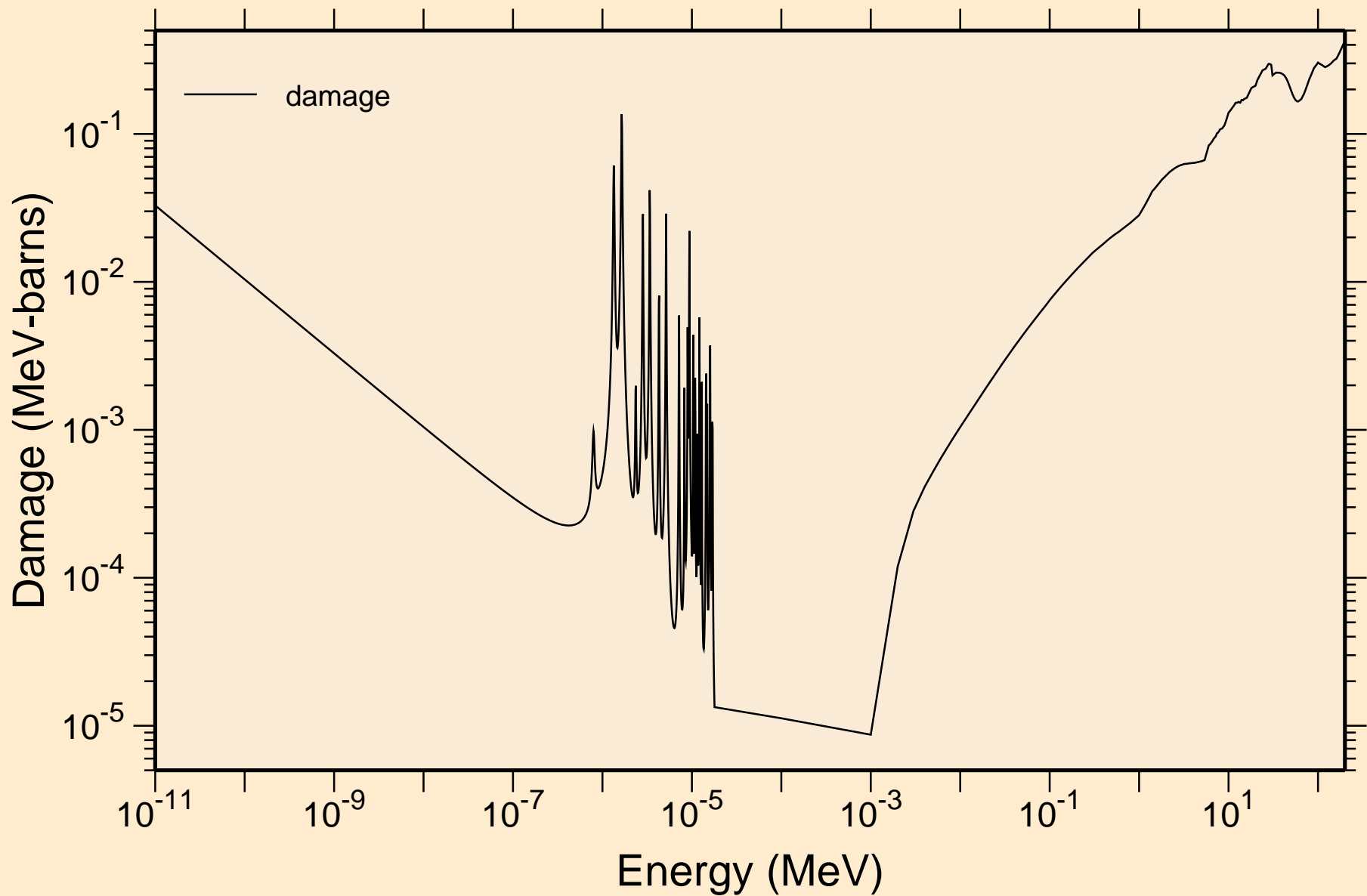




PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Heating

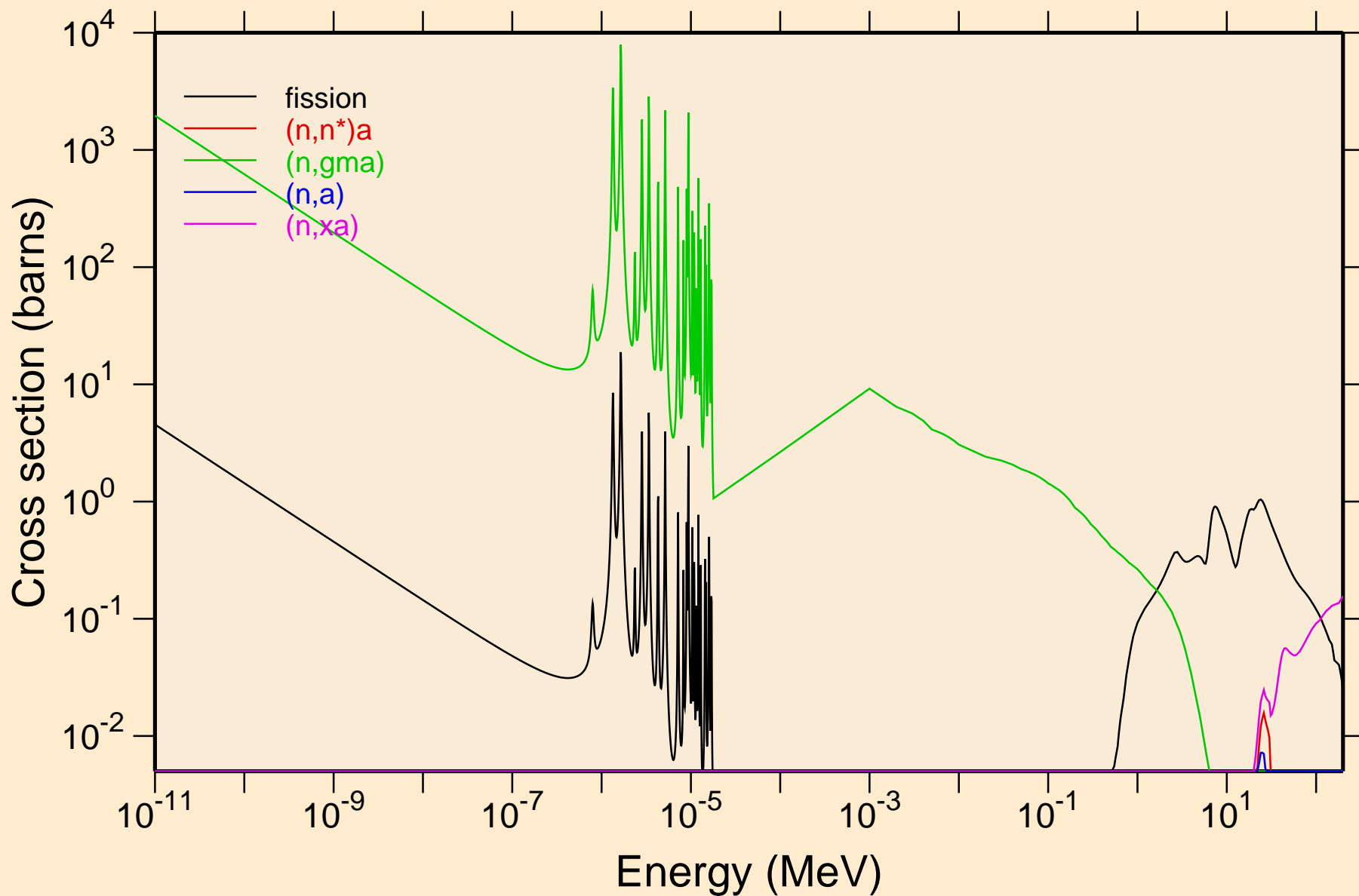


PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Damage



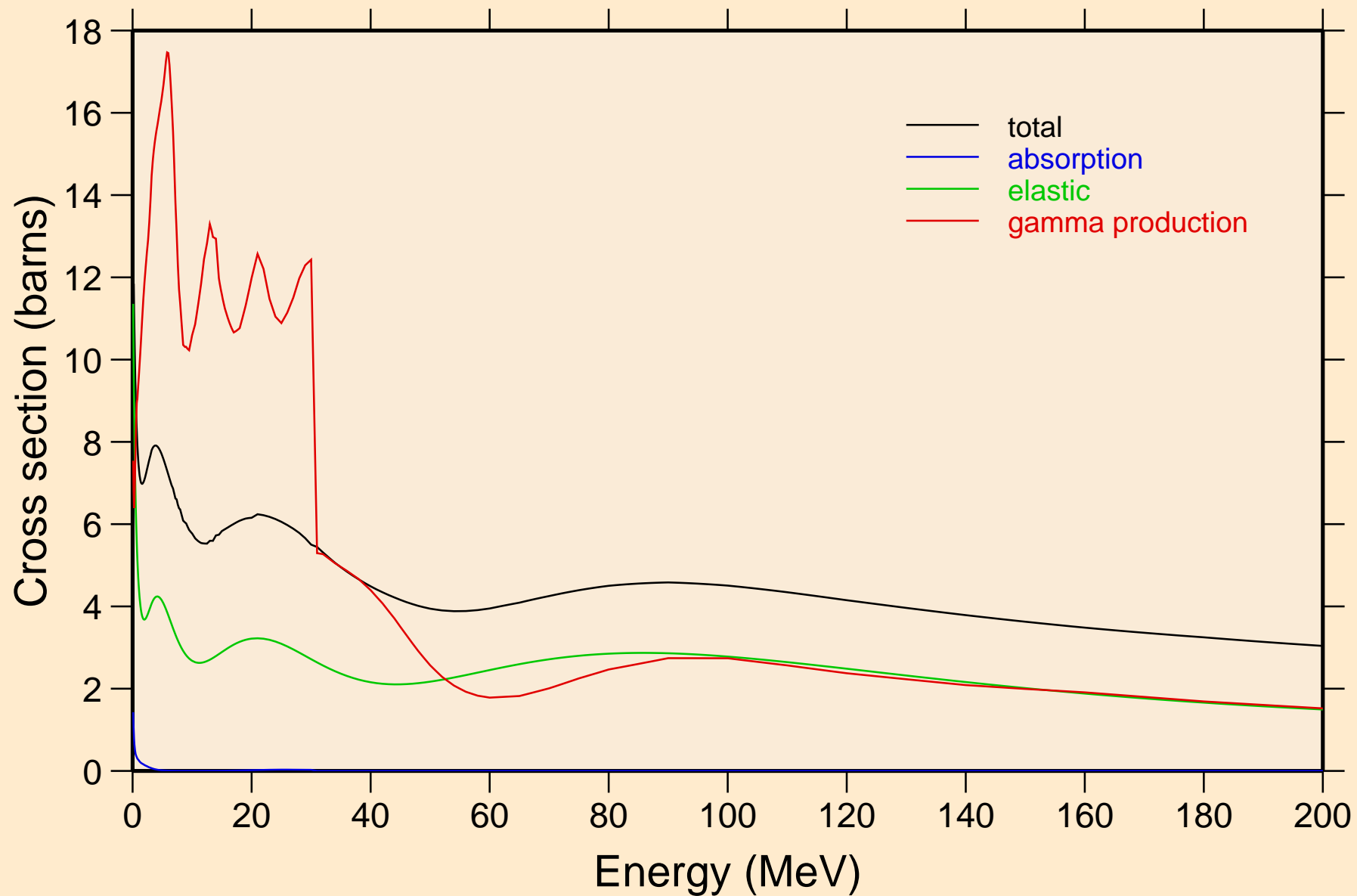
# PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Non-threshold reactions



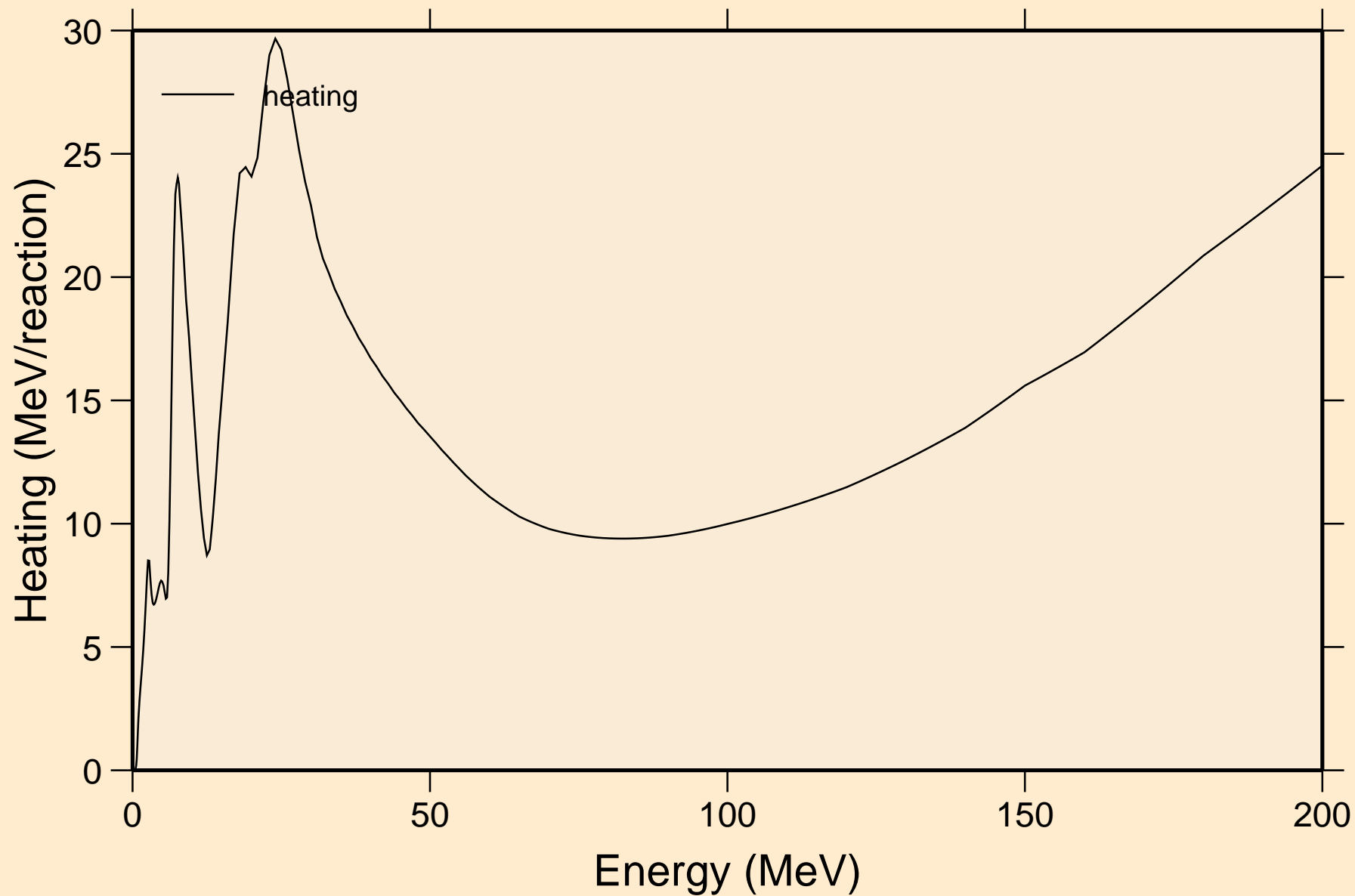
# PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections

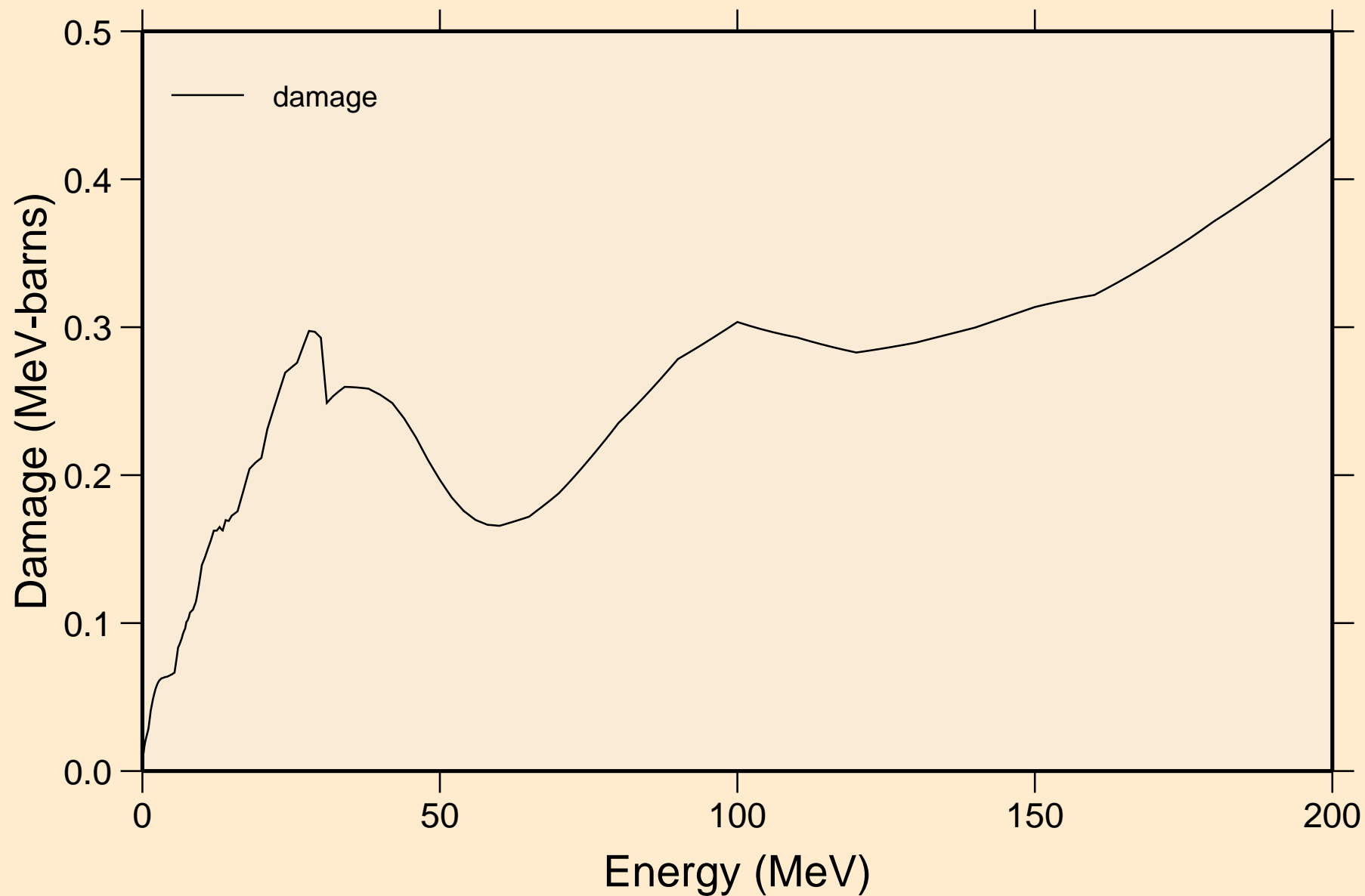


PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

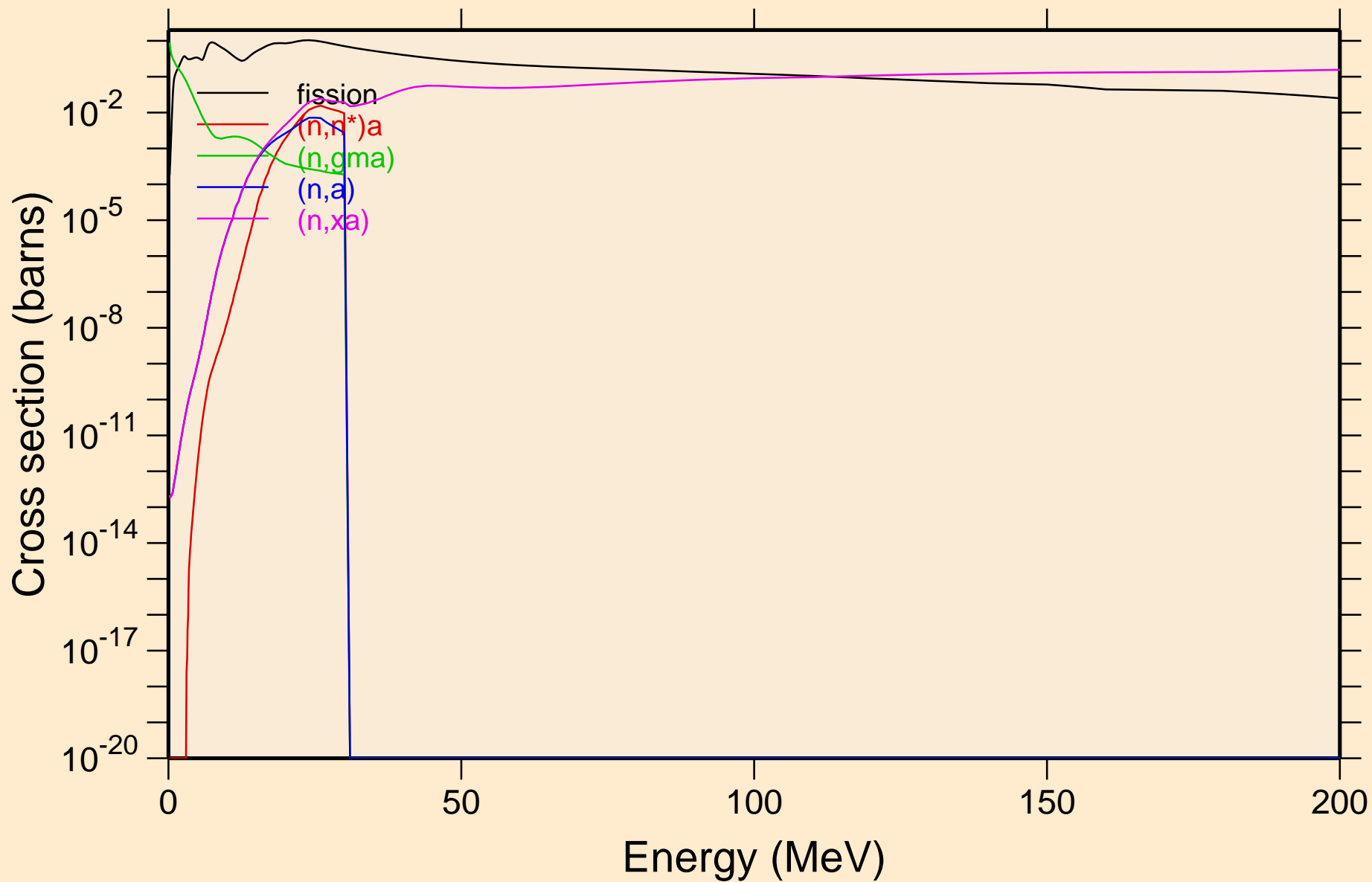
Heating



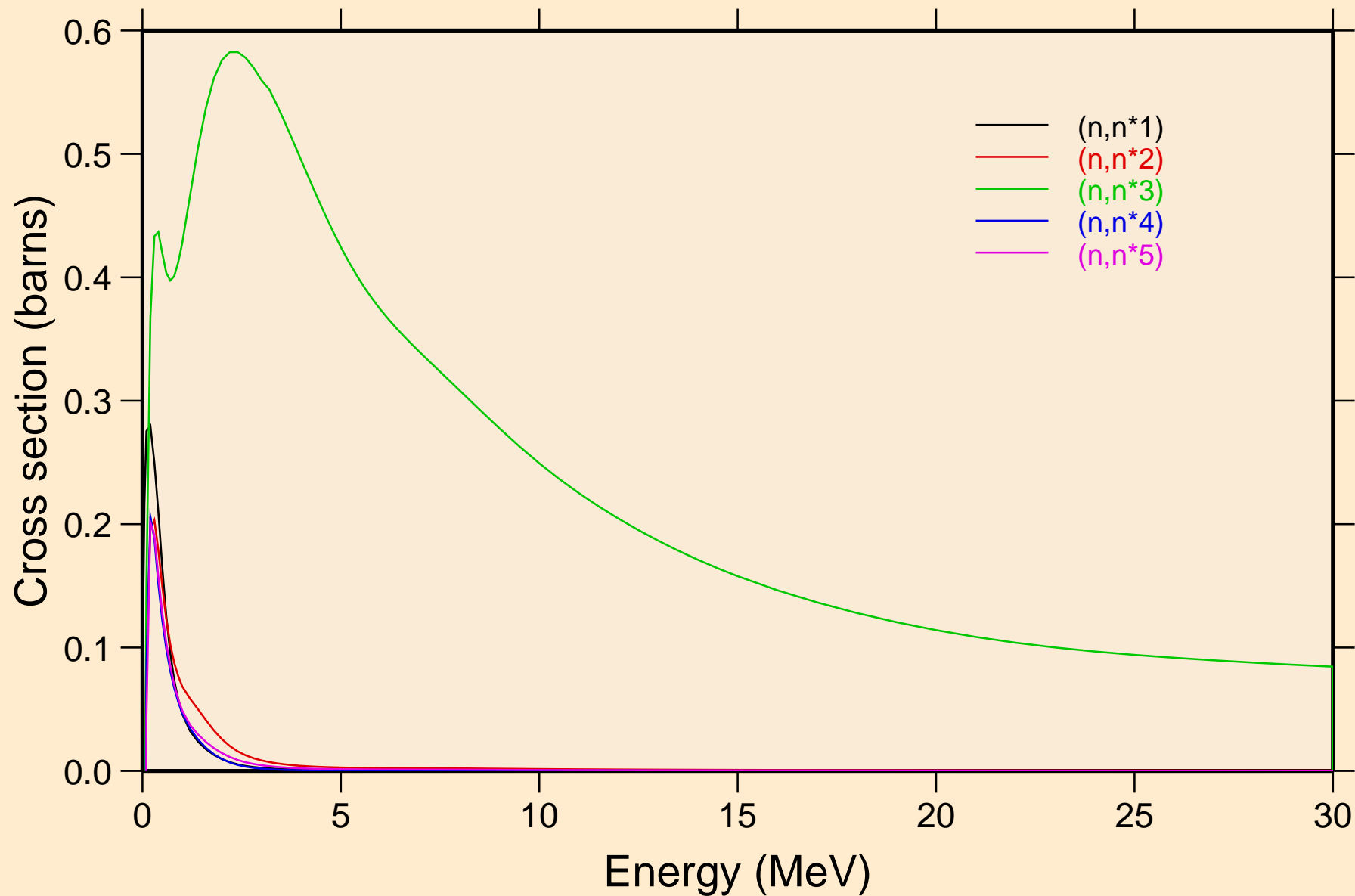
PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Damage



PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

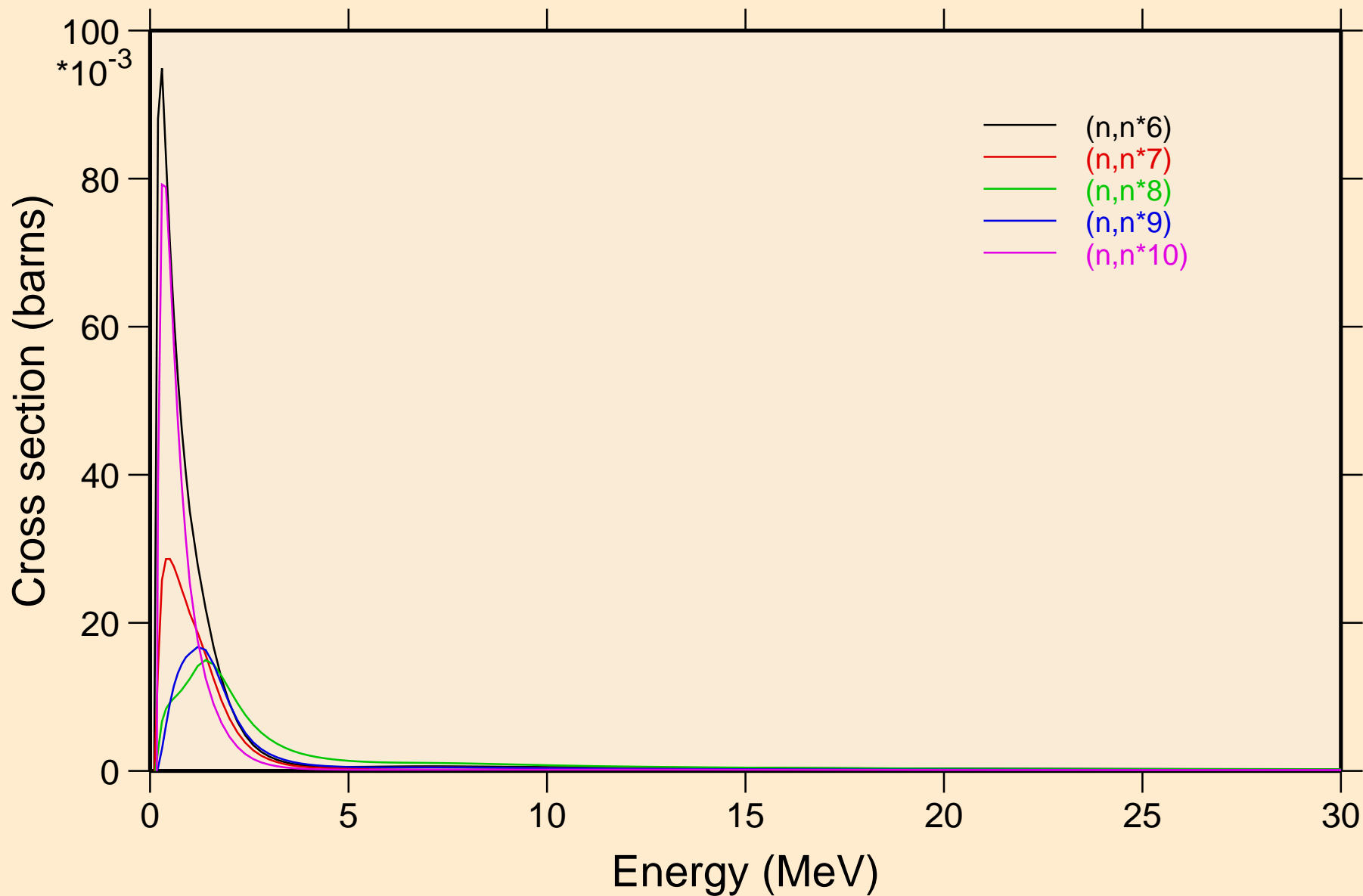


PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

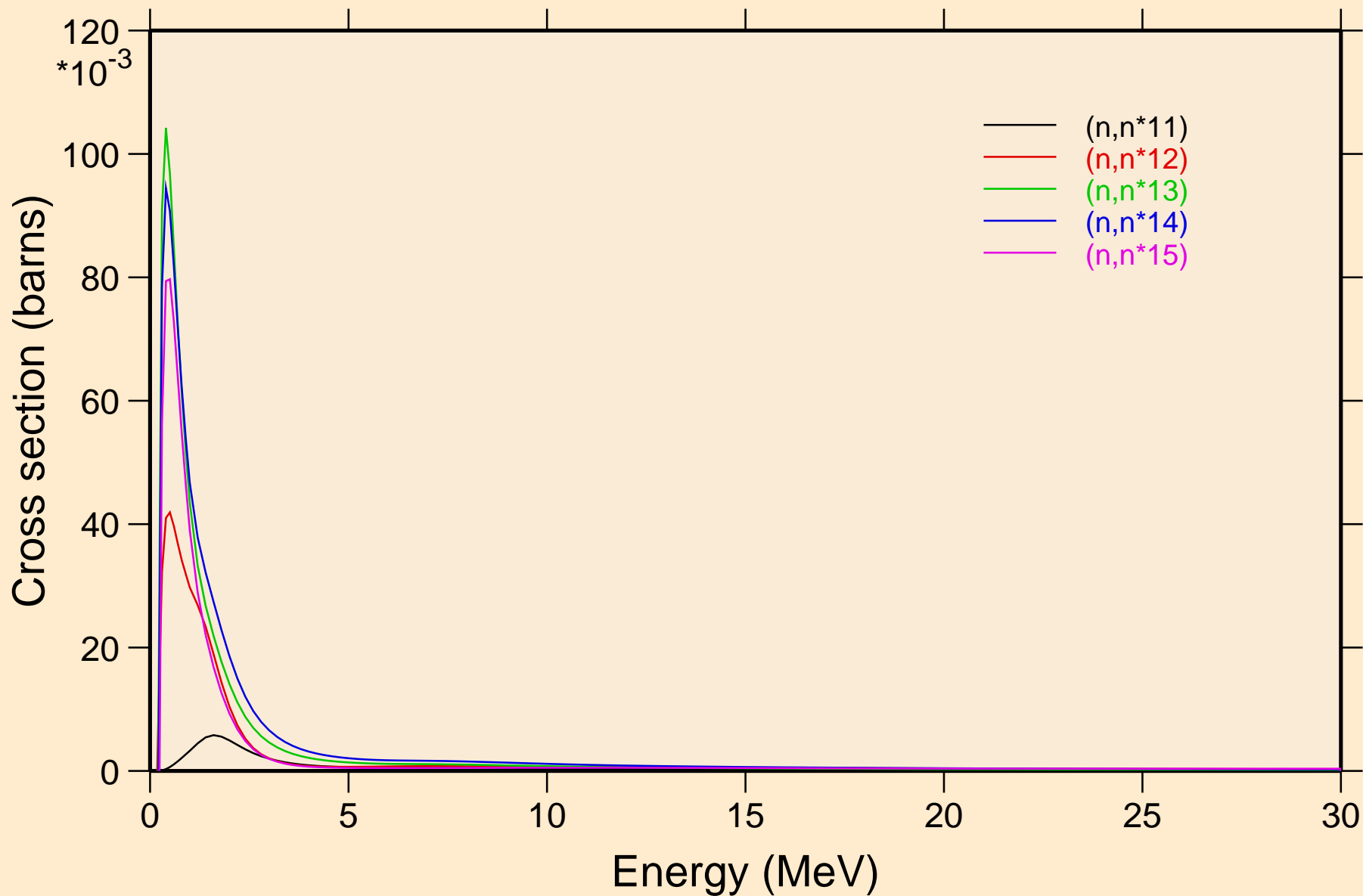




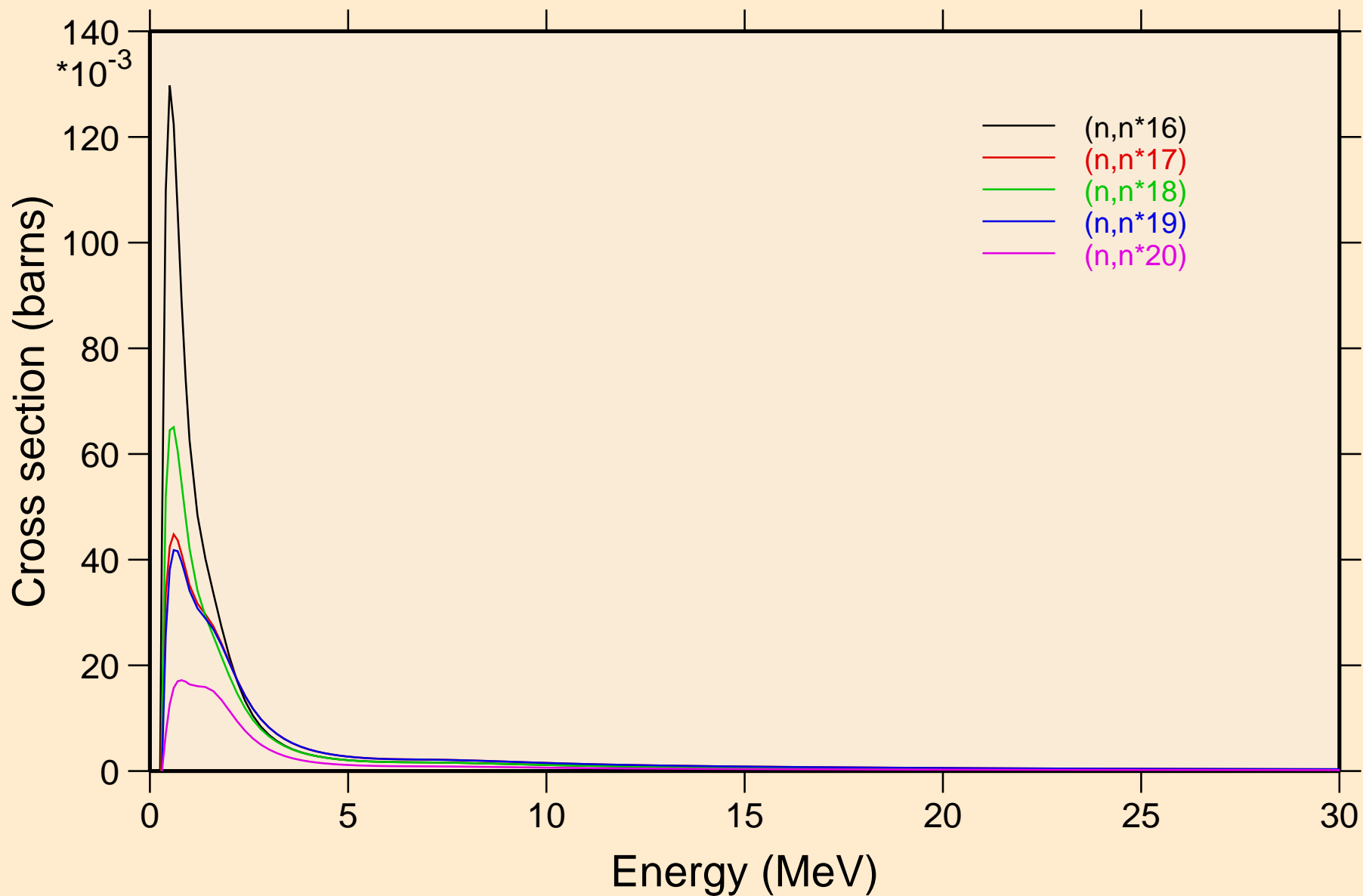
PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



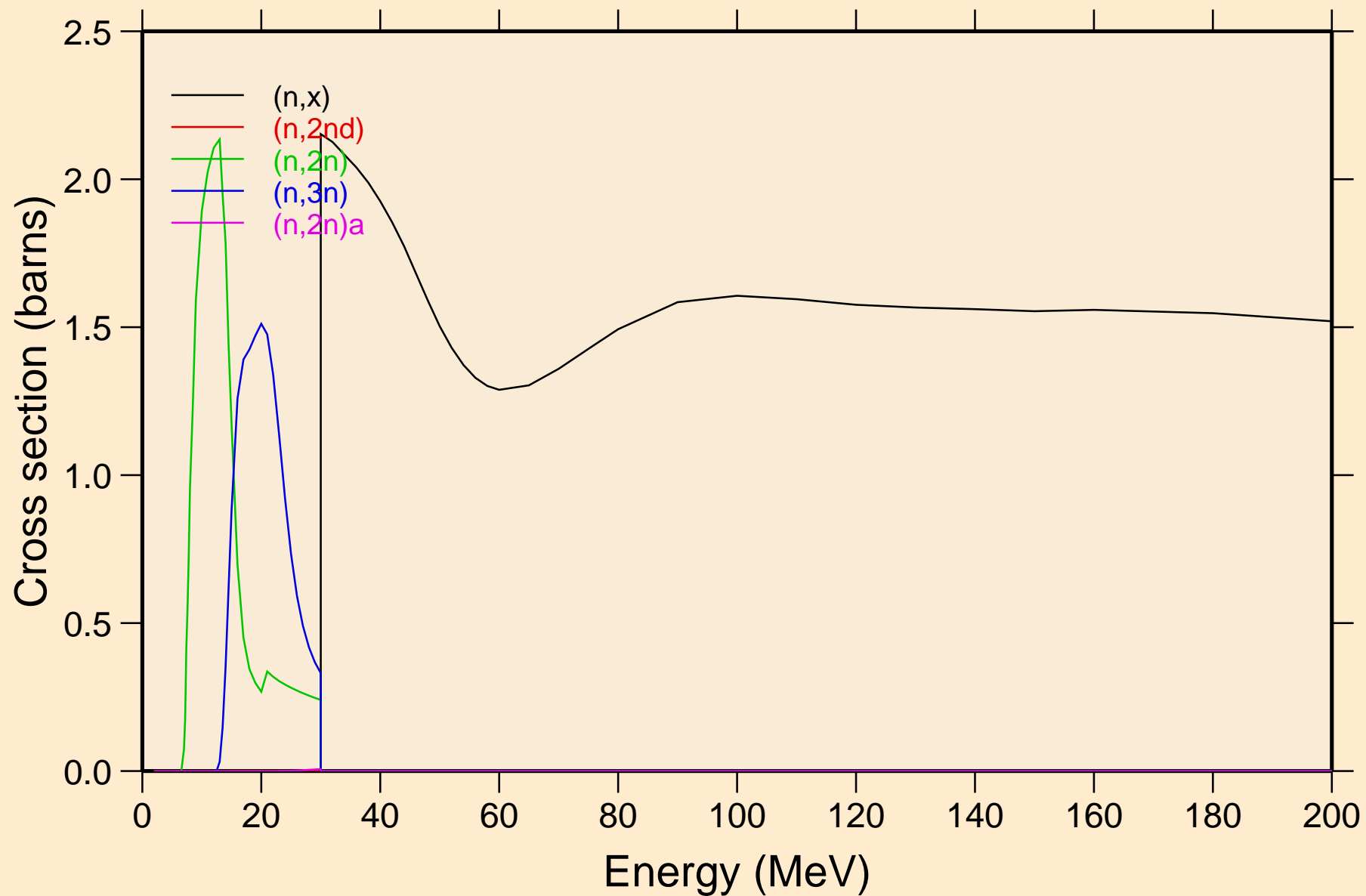
PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



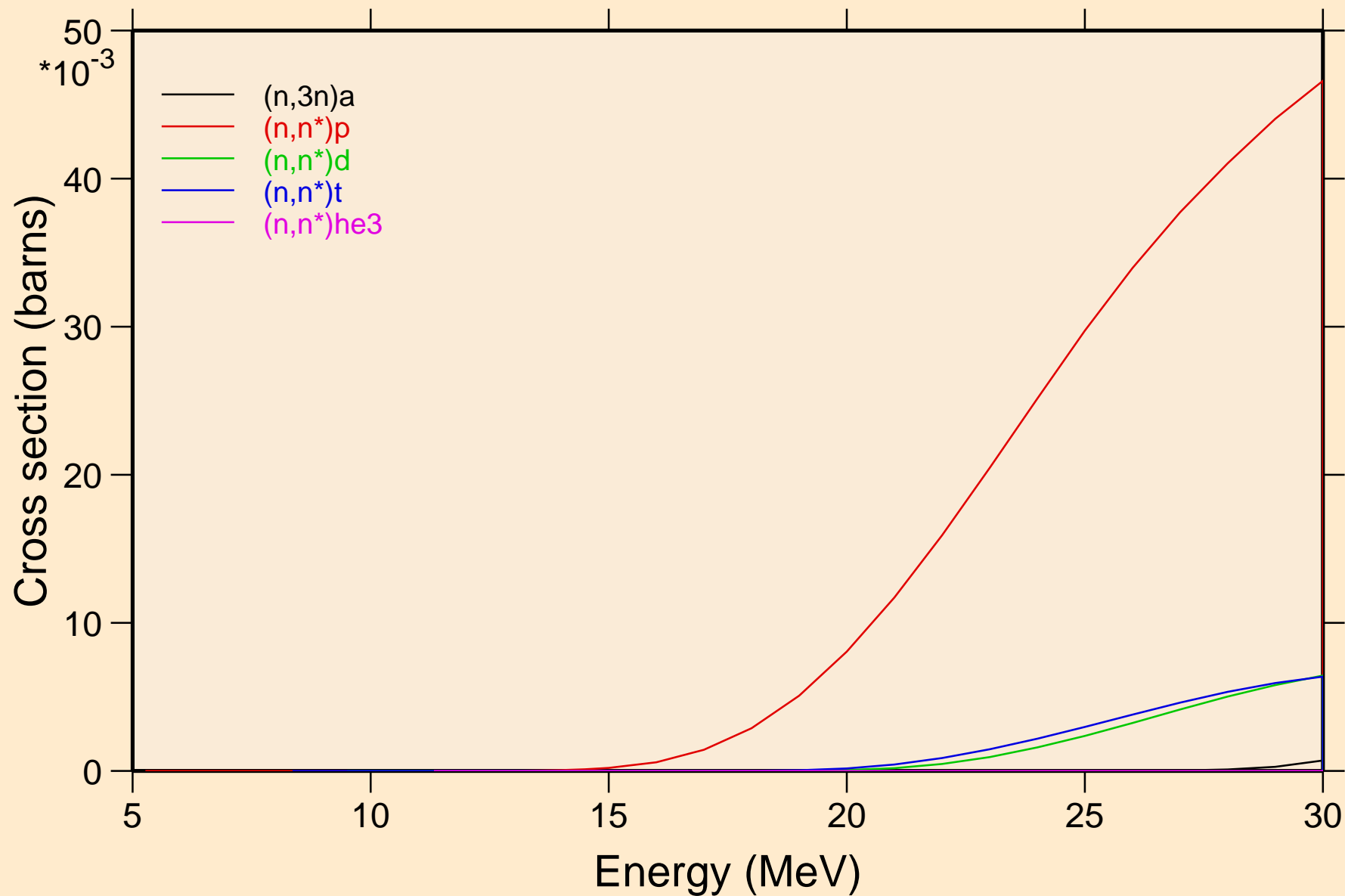
PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



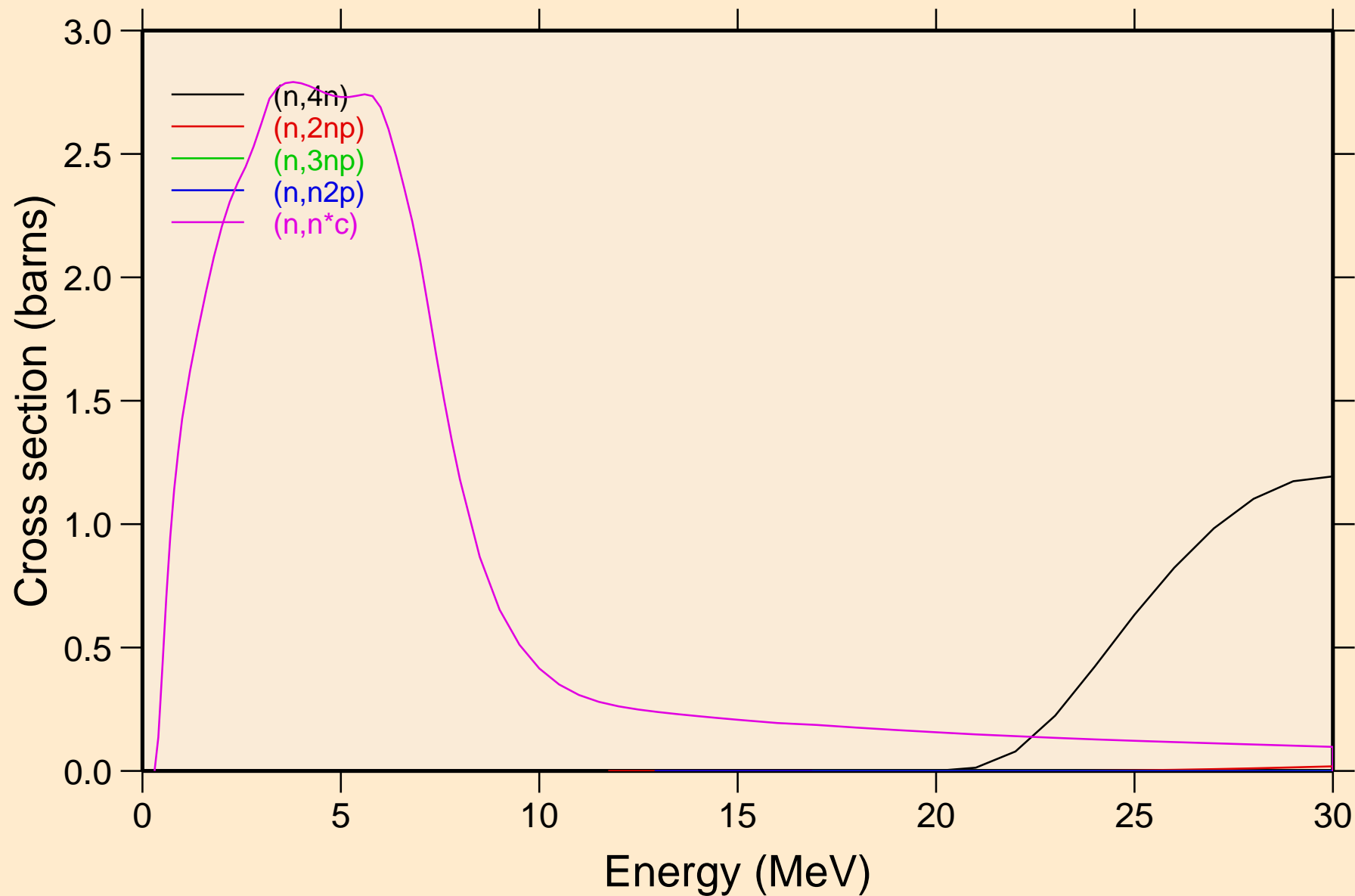
PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



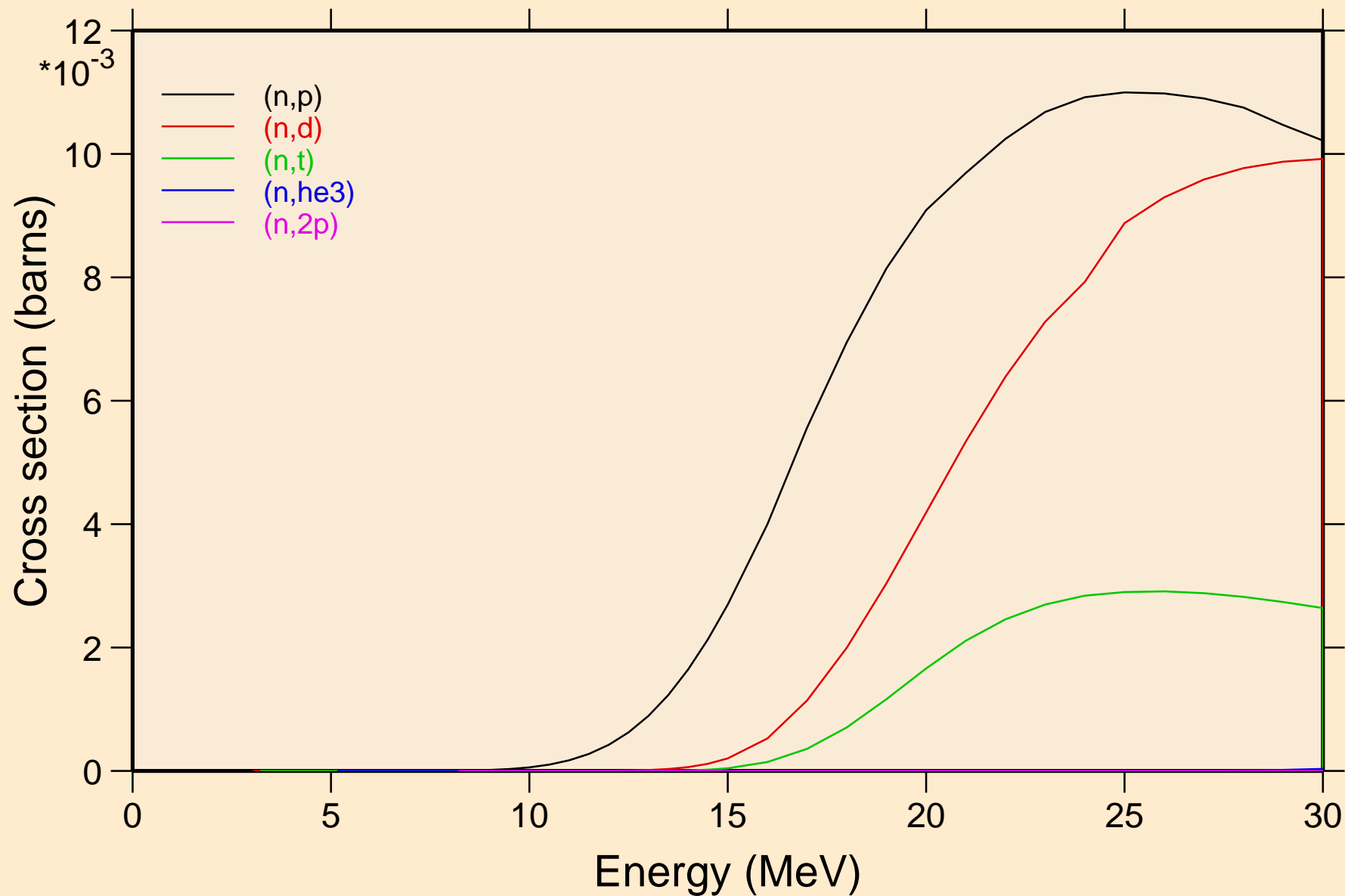
PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



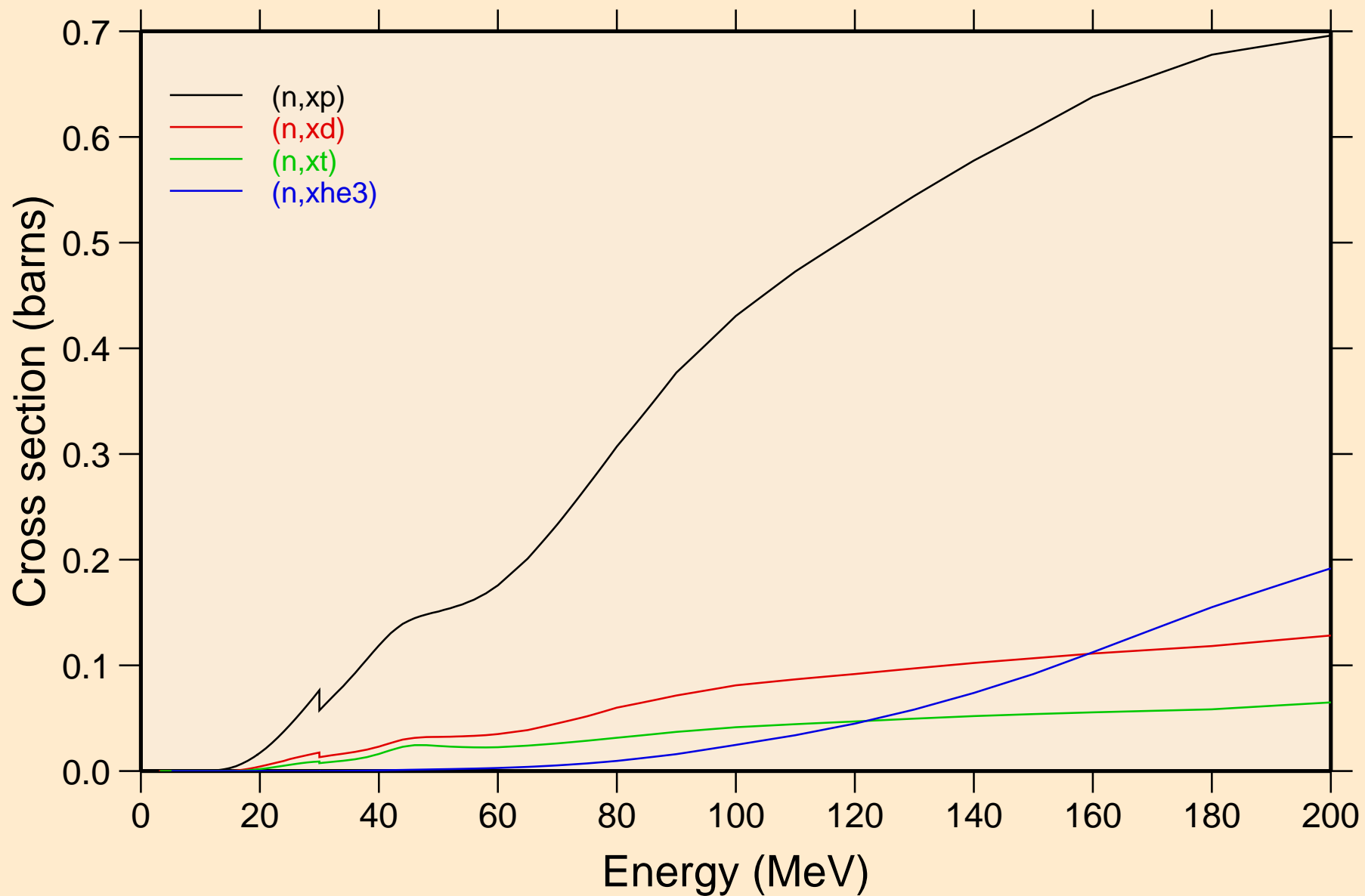
PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

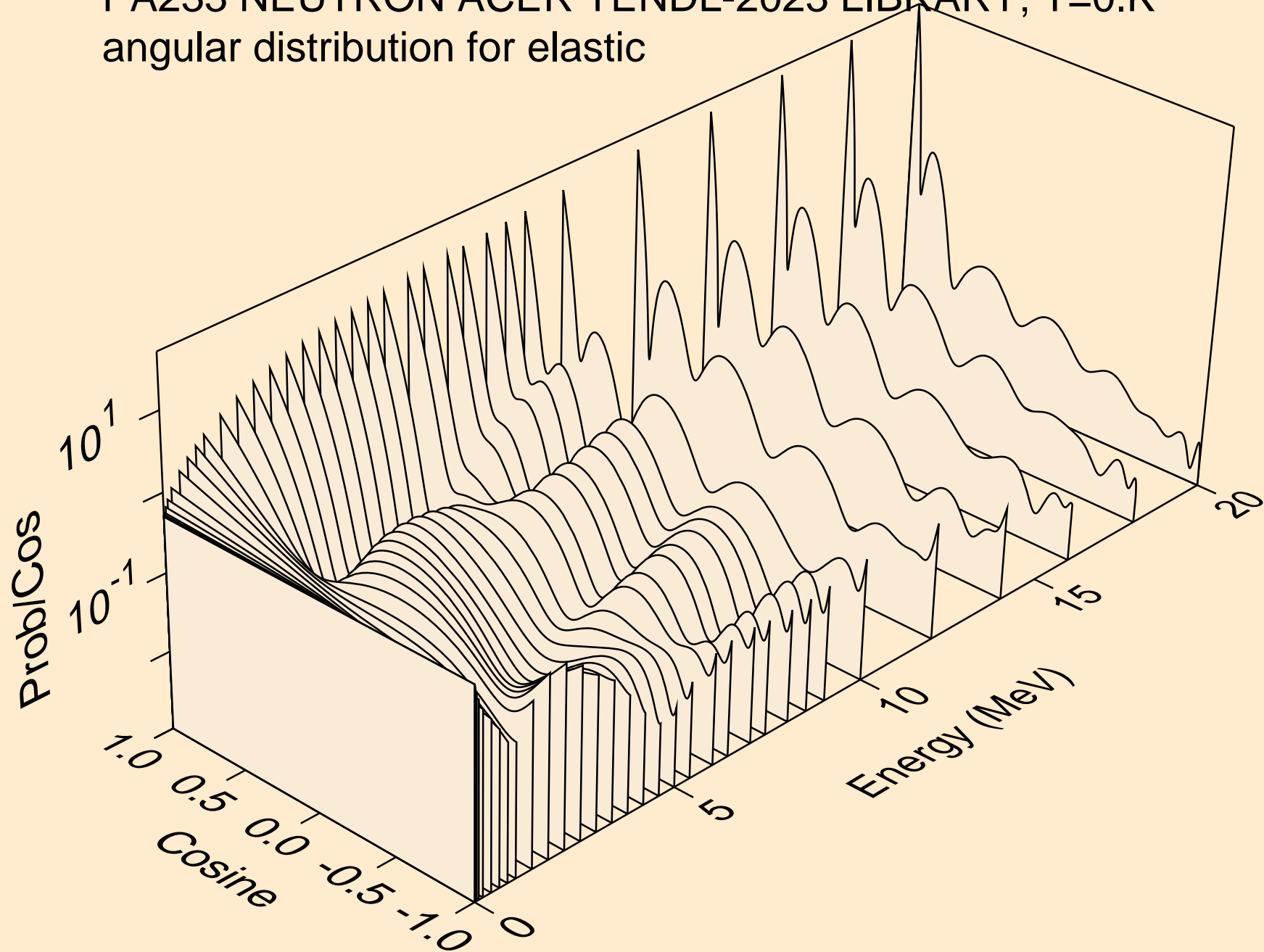


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Threshold reactions

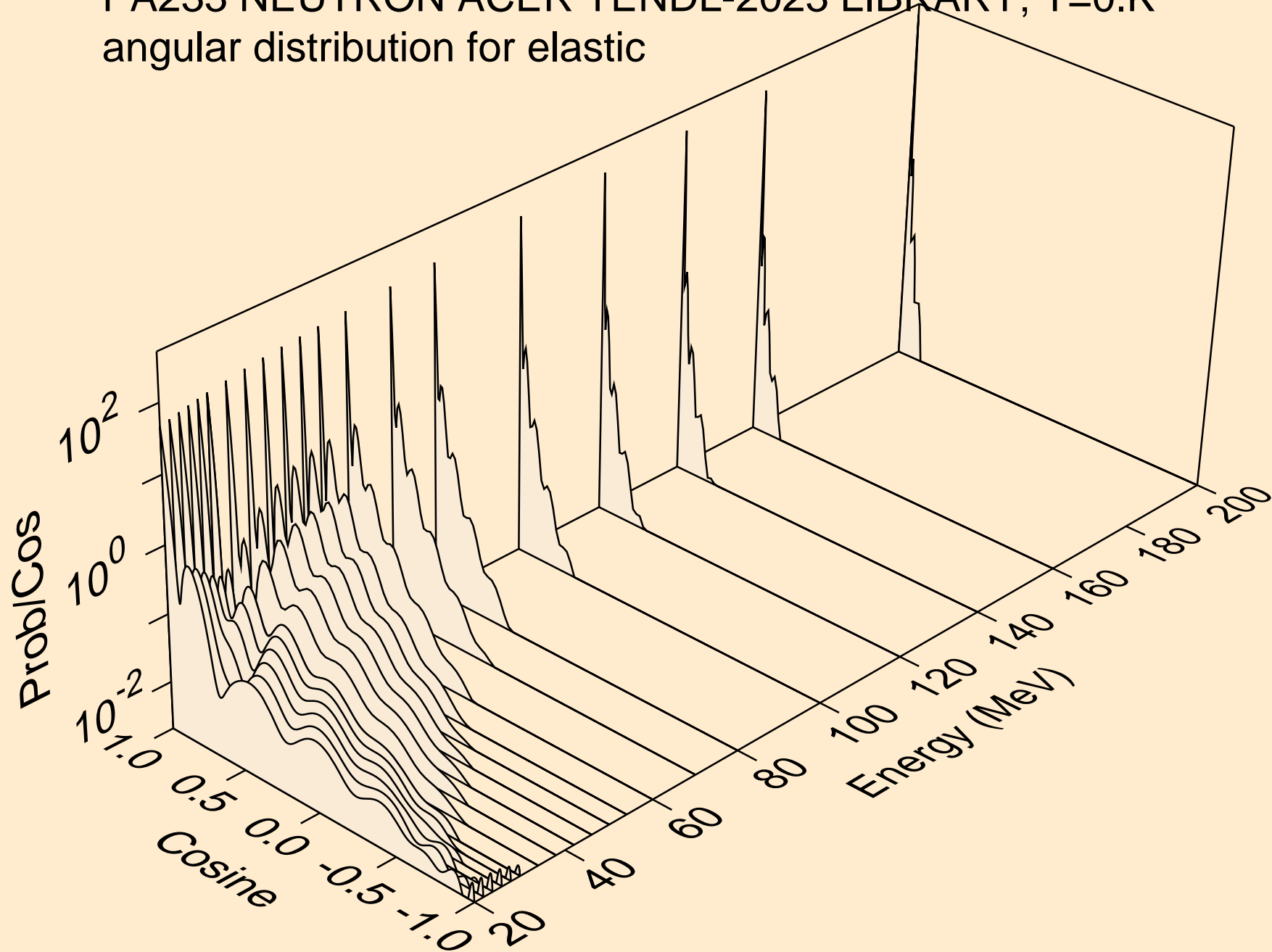




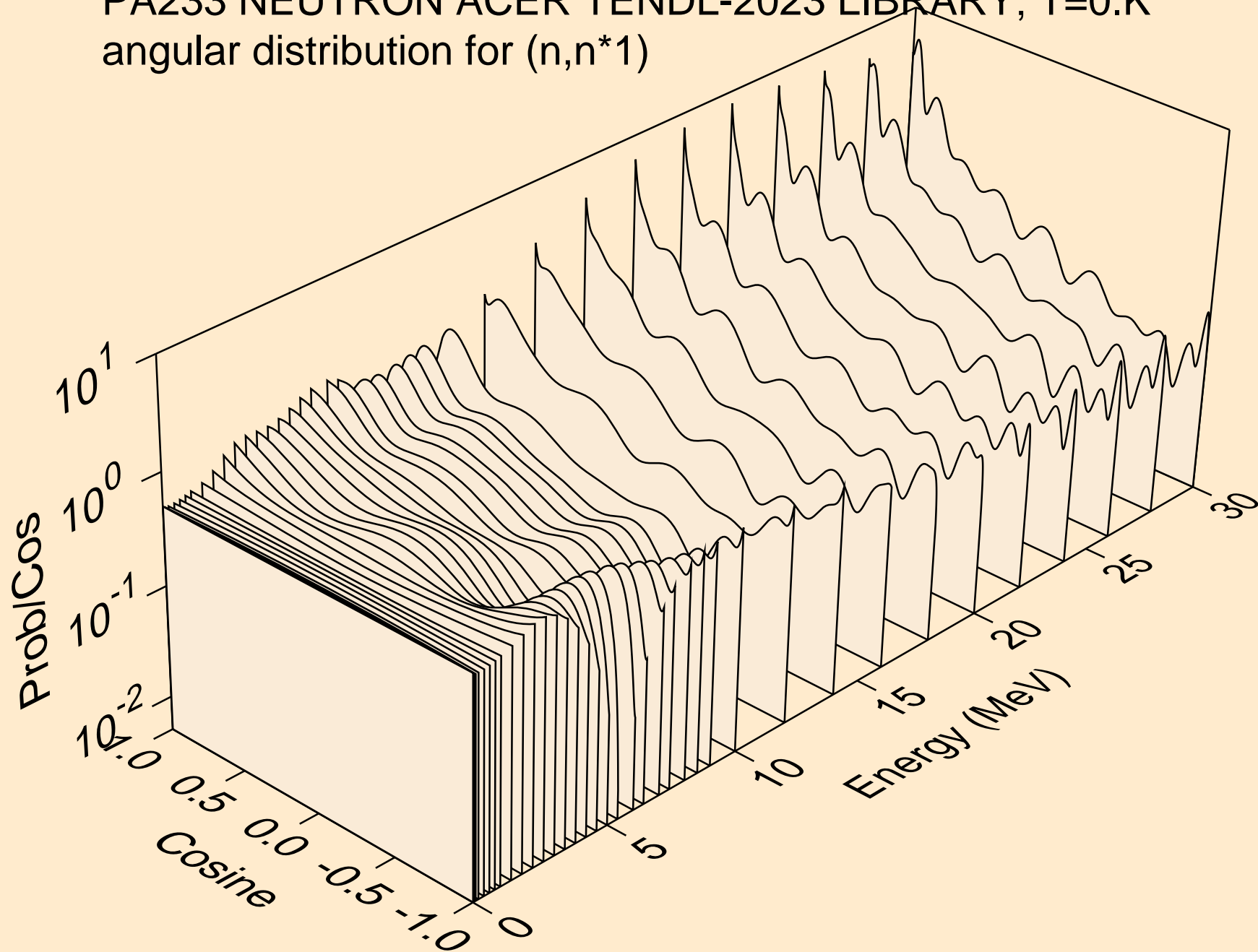
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angular distribution for elastic



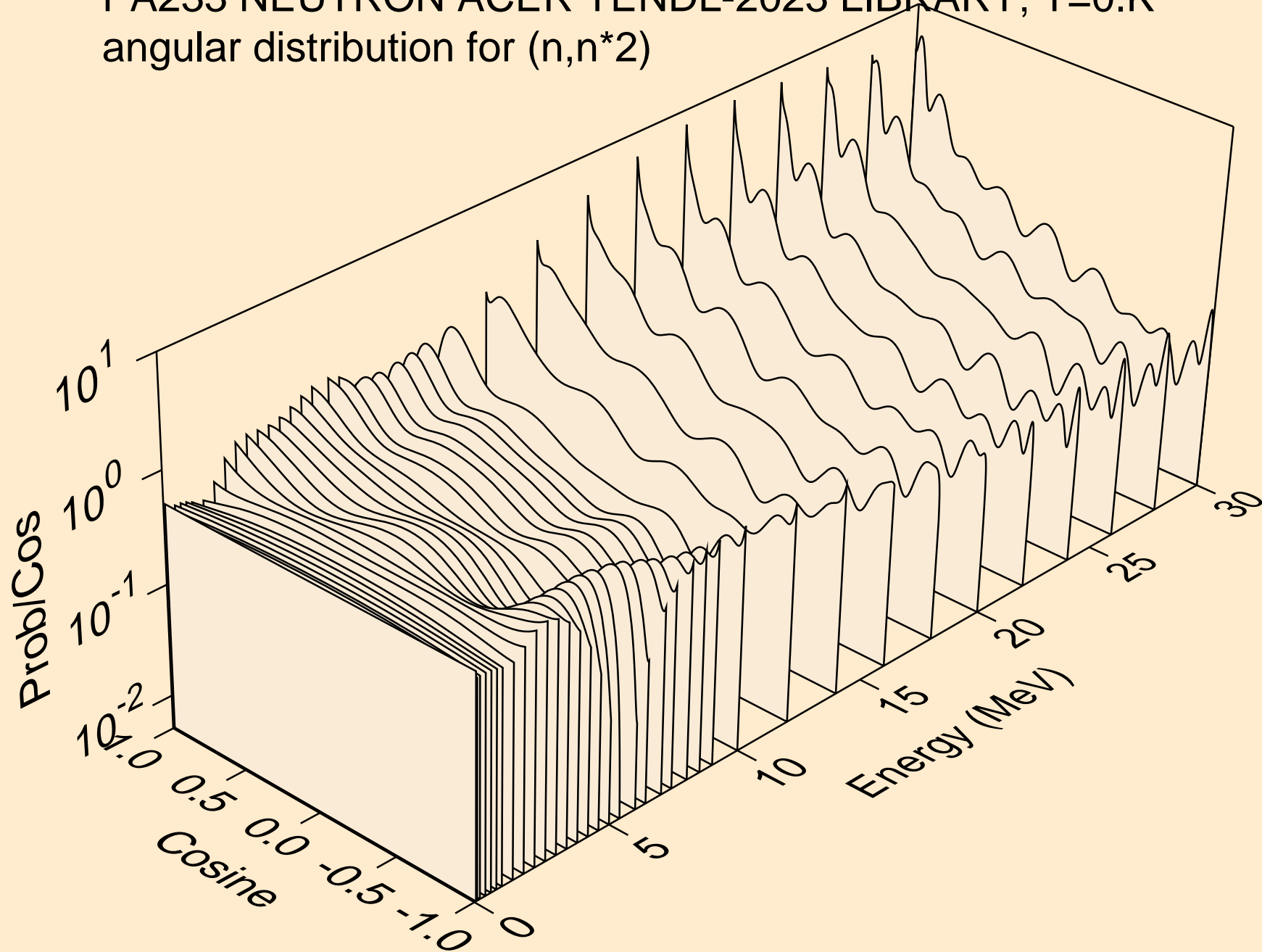
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angular distribution for elastic



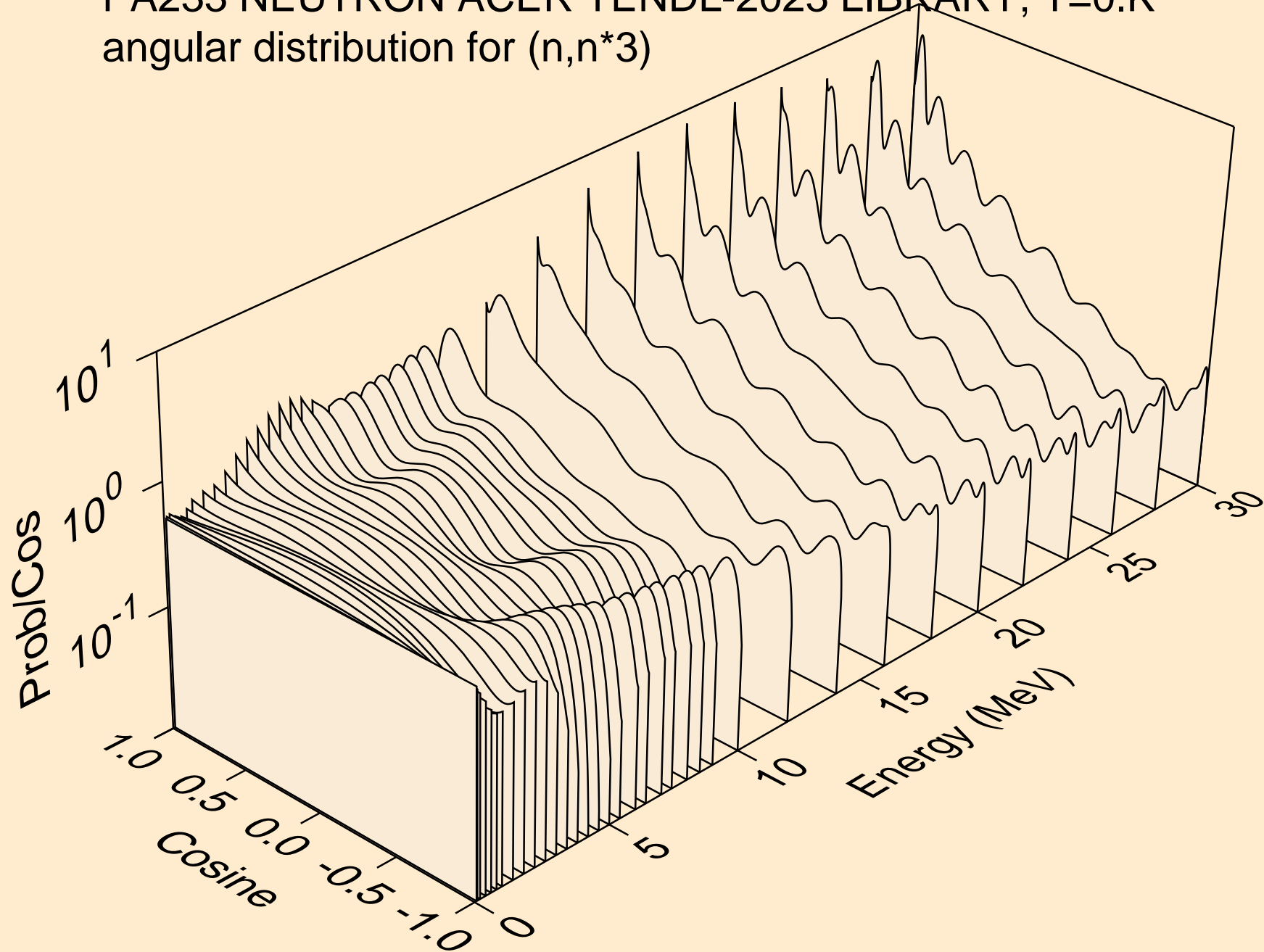
PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



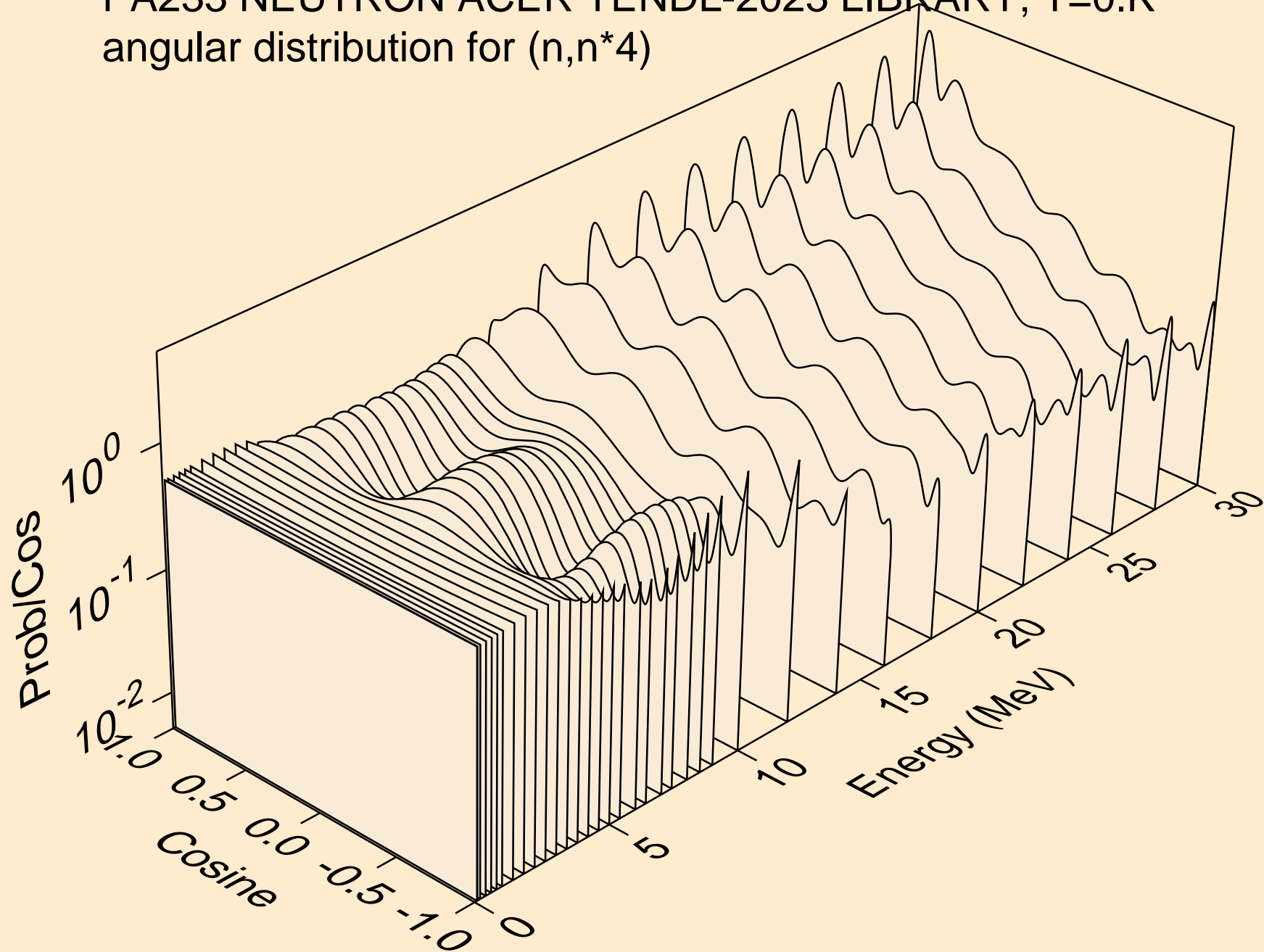
PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*2)



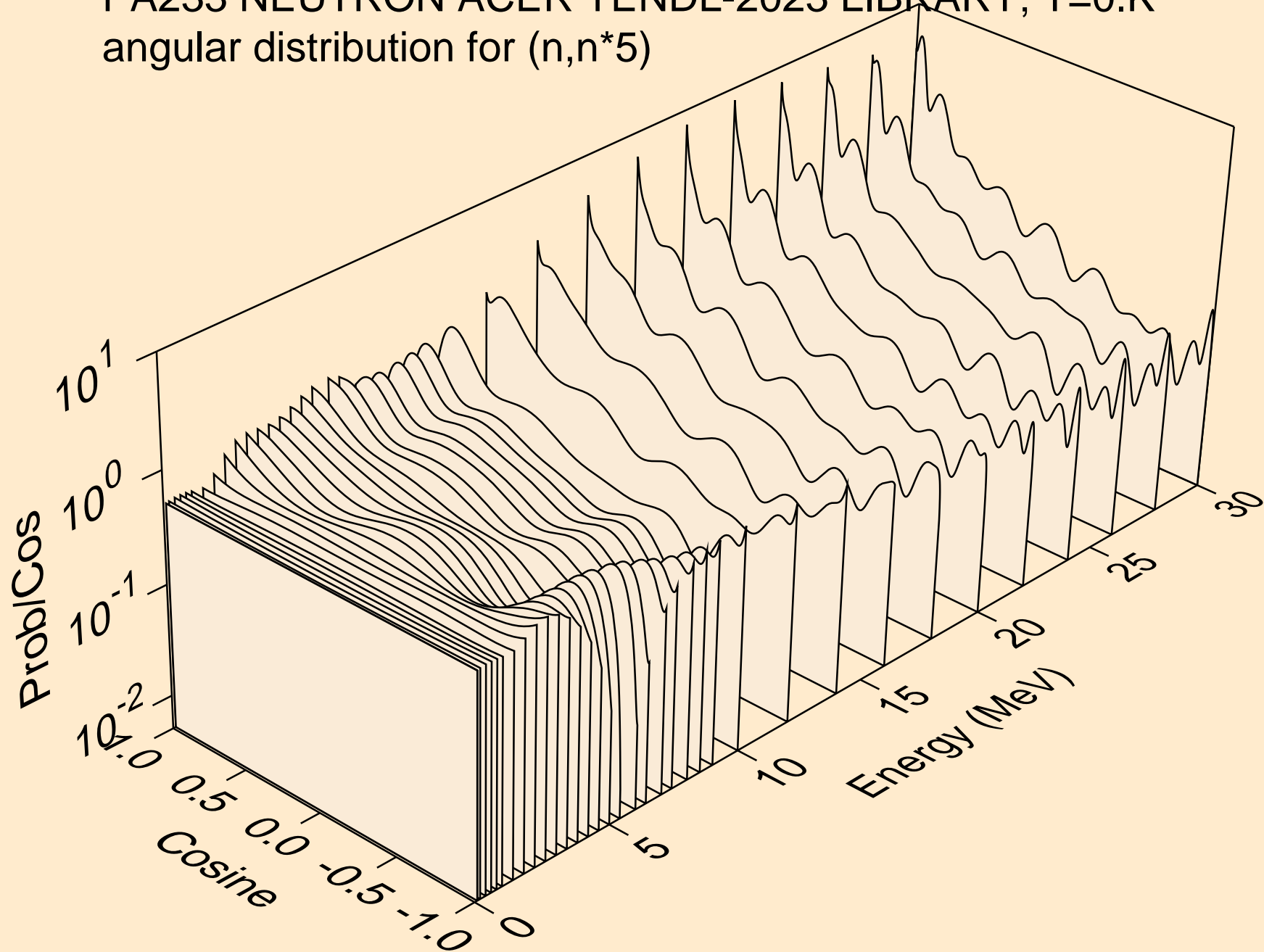
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angular distribution for (n,n\*3)



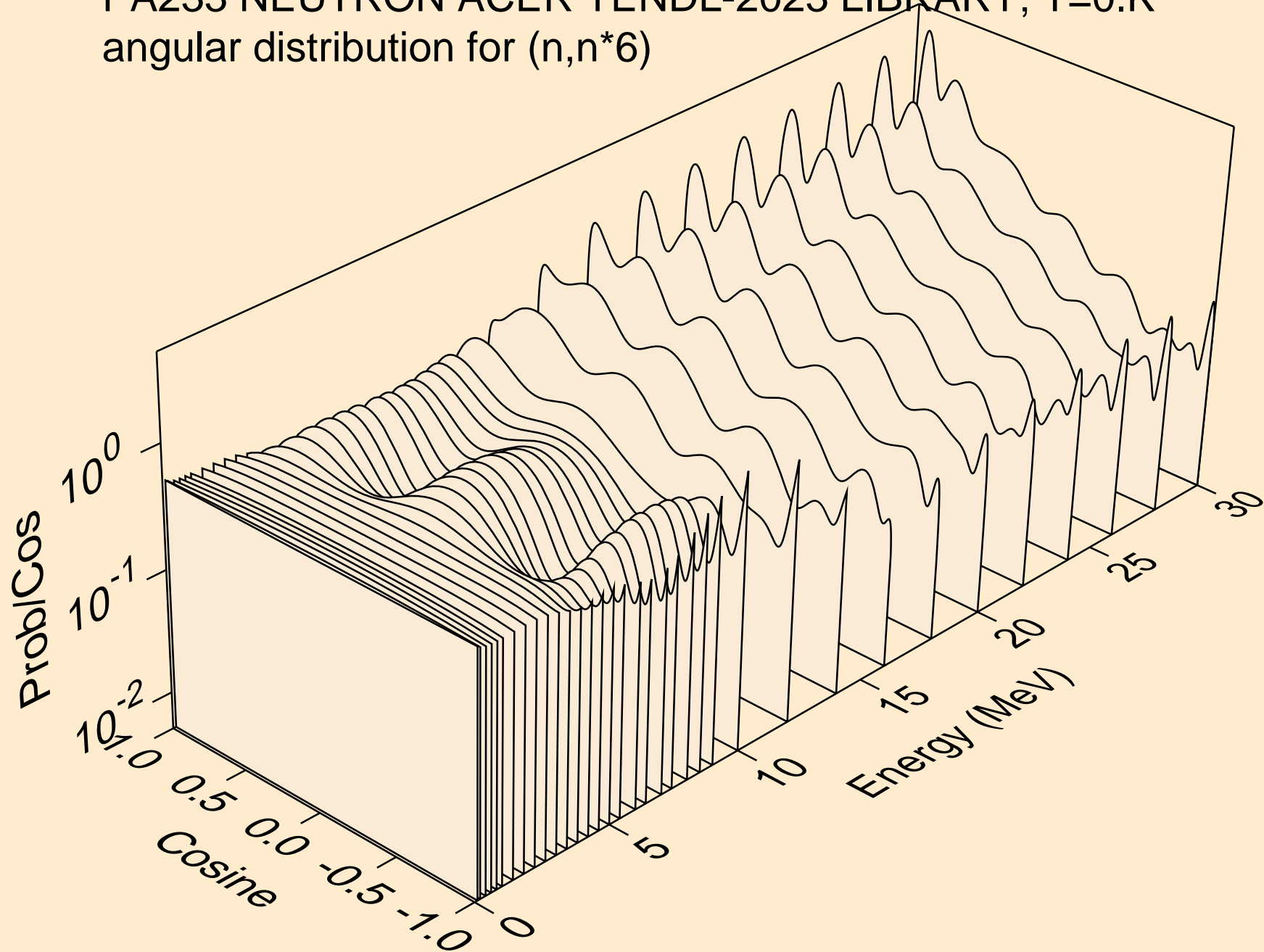
PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*4)



PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*5)

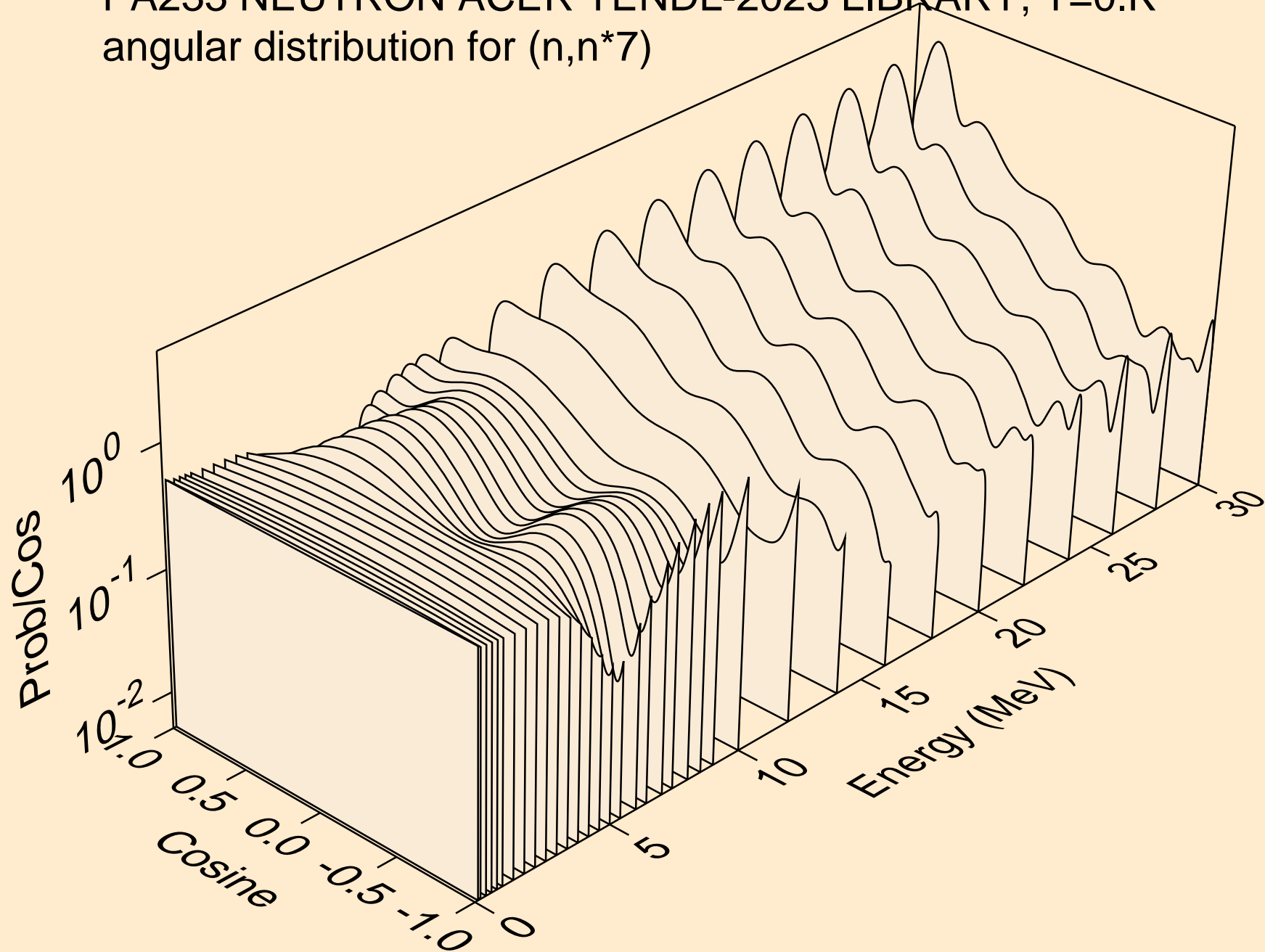


PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*6)

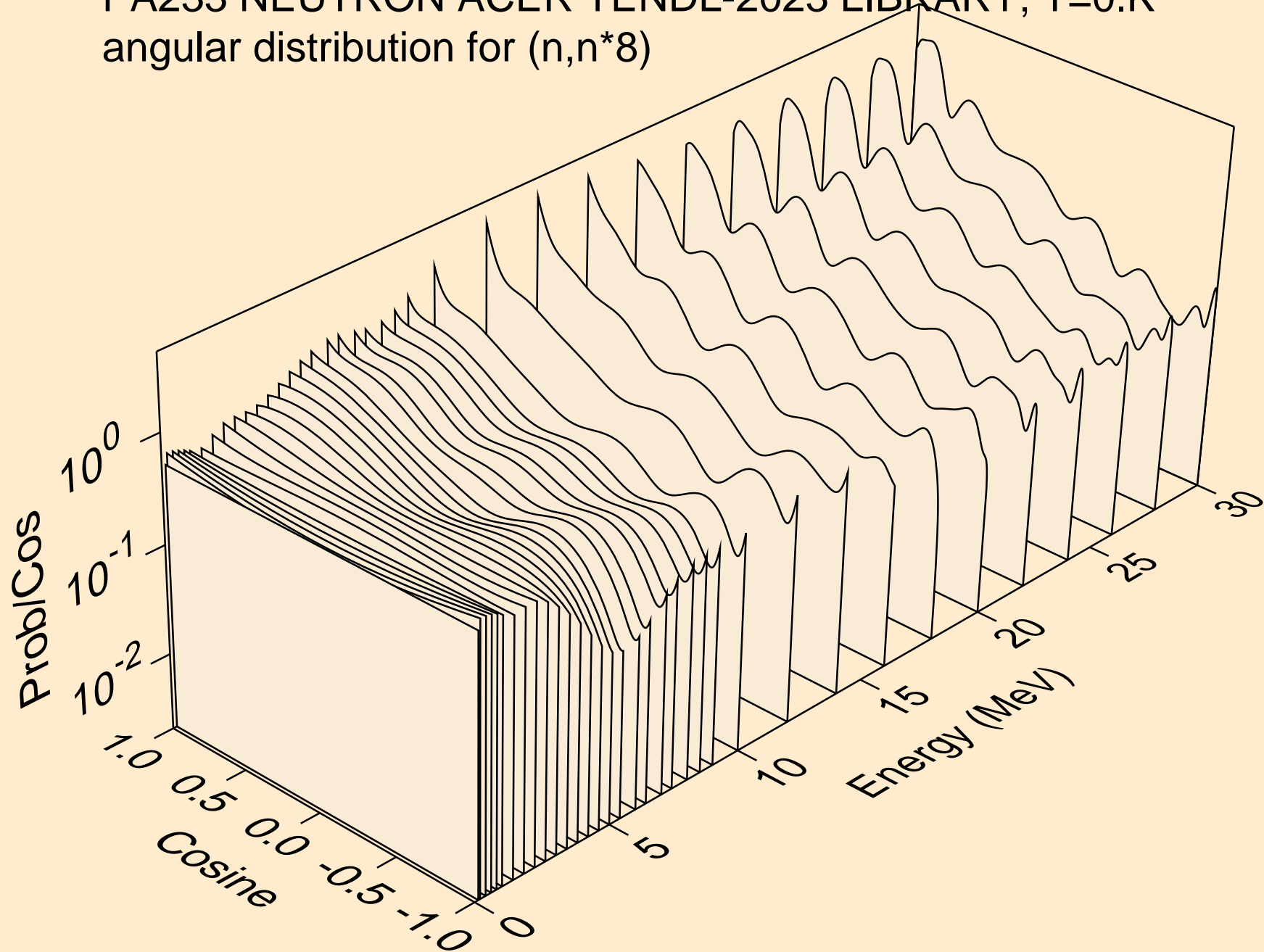




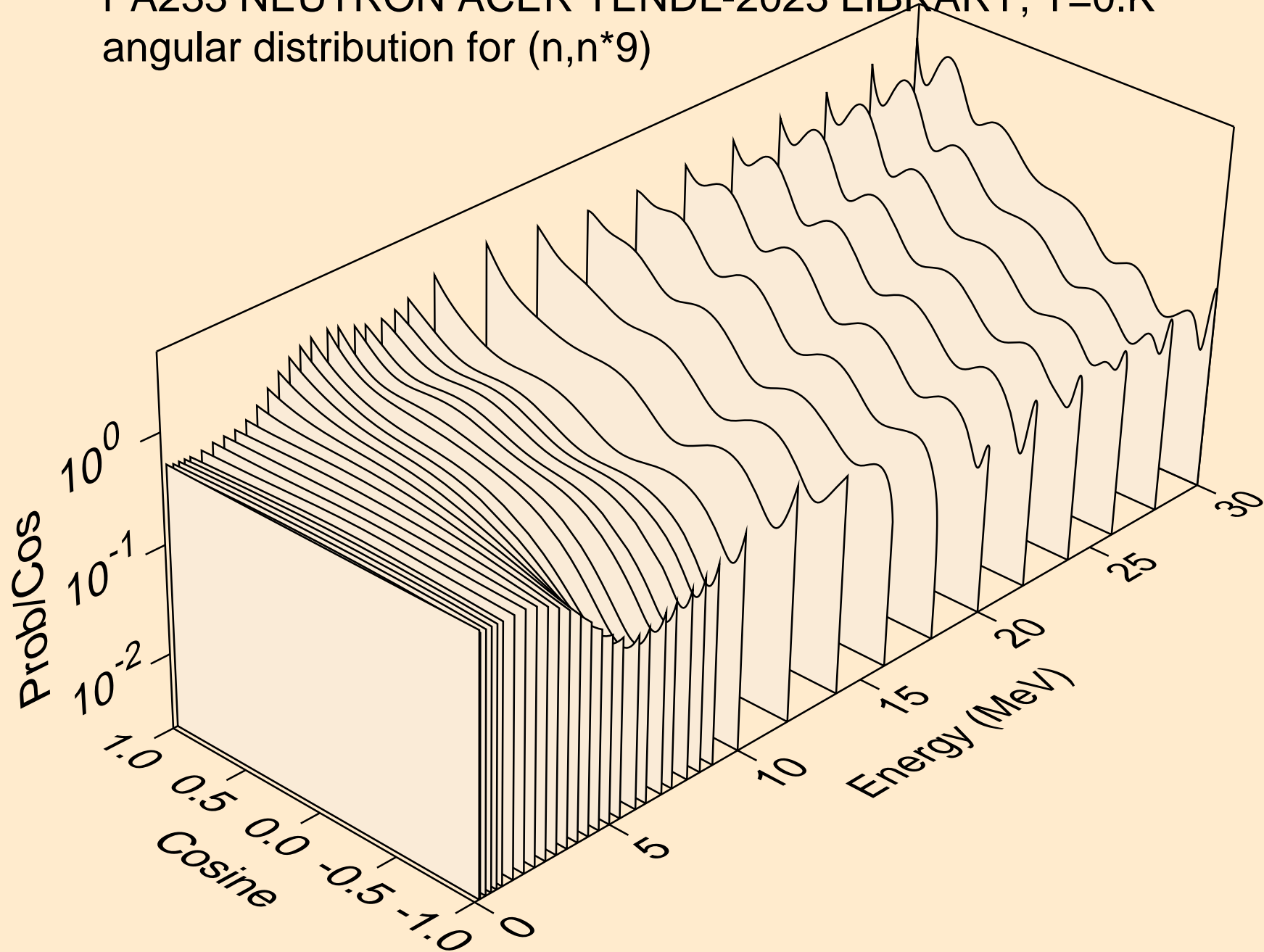
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angular distribution for (n,n\*7)



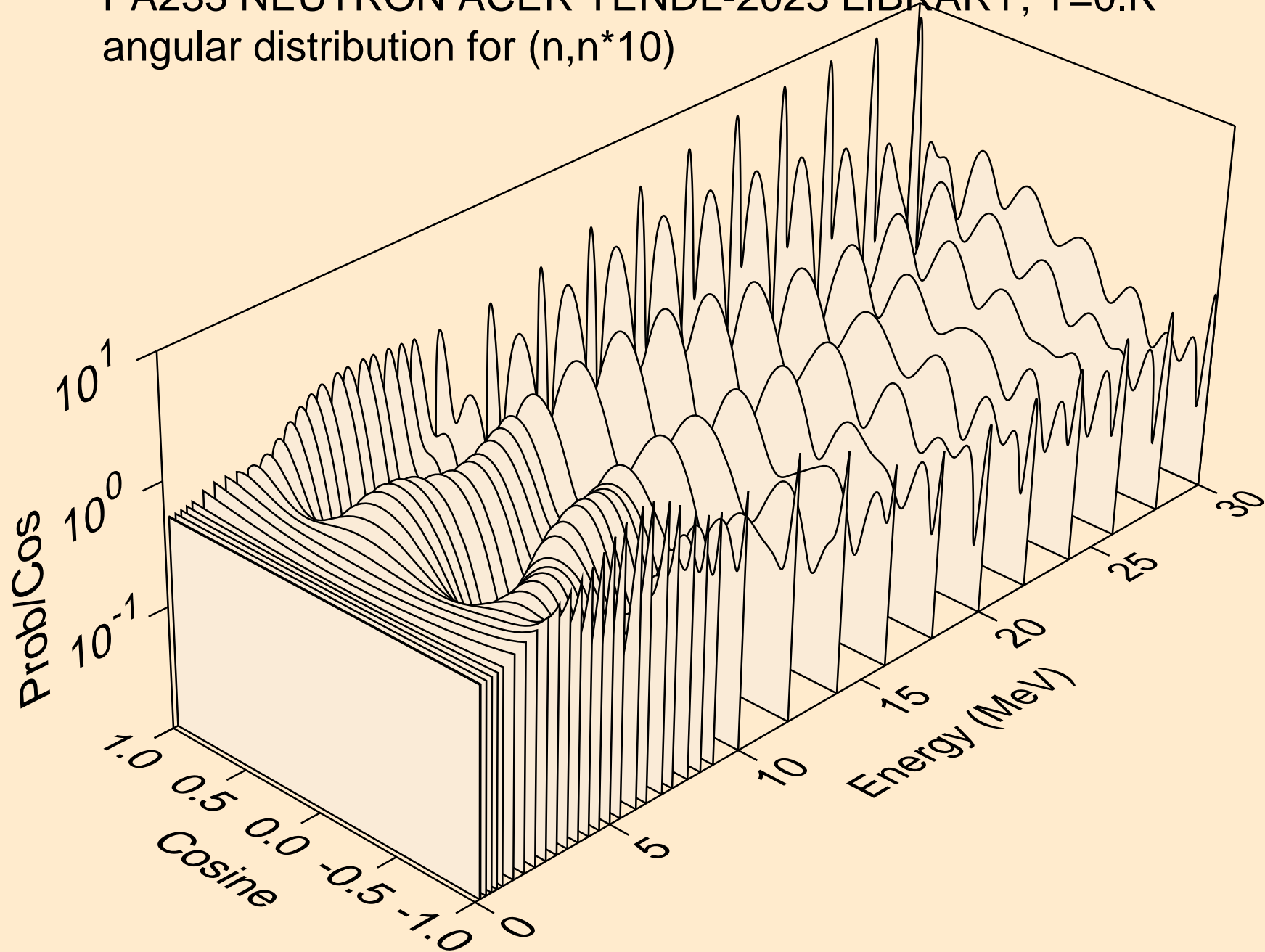
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angular distribution for (n,n\*8)



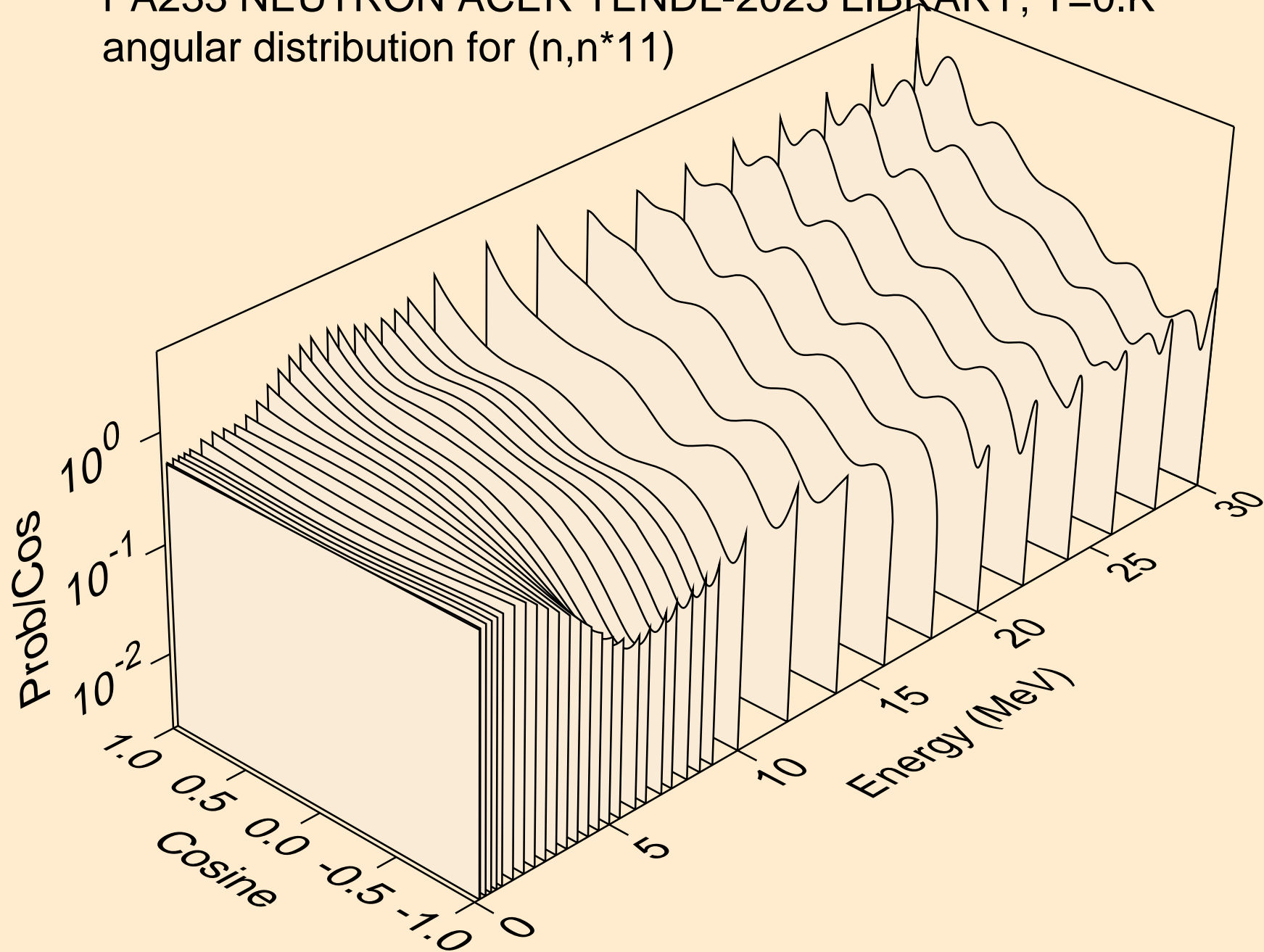
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angular distribution for (n,n\*9)



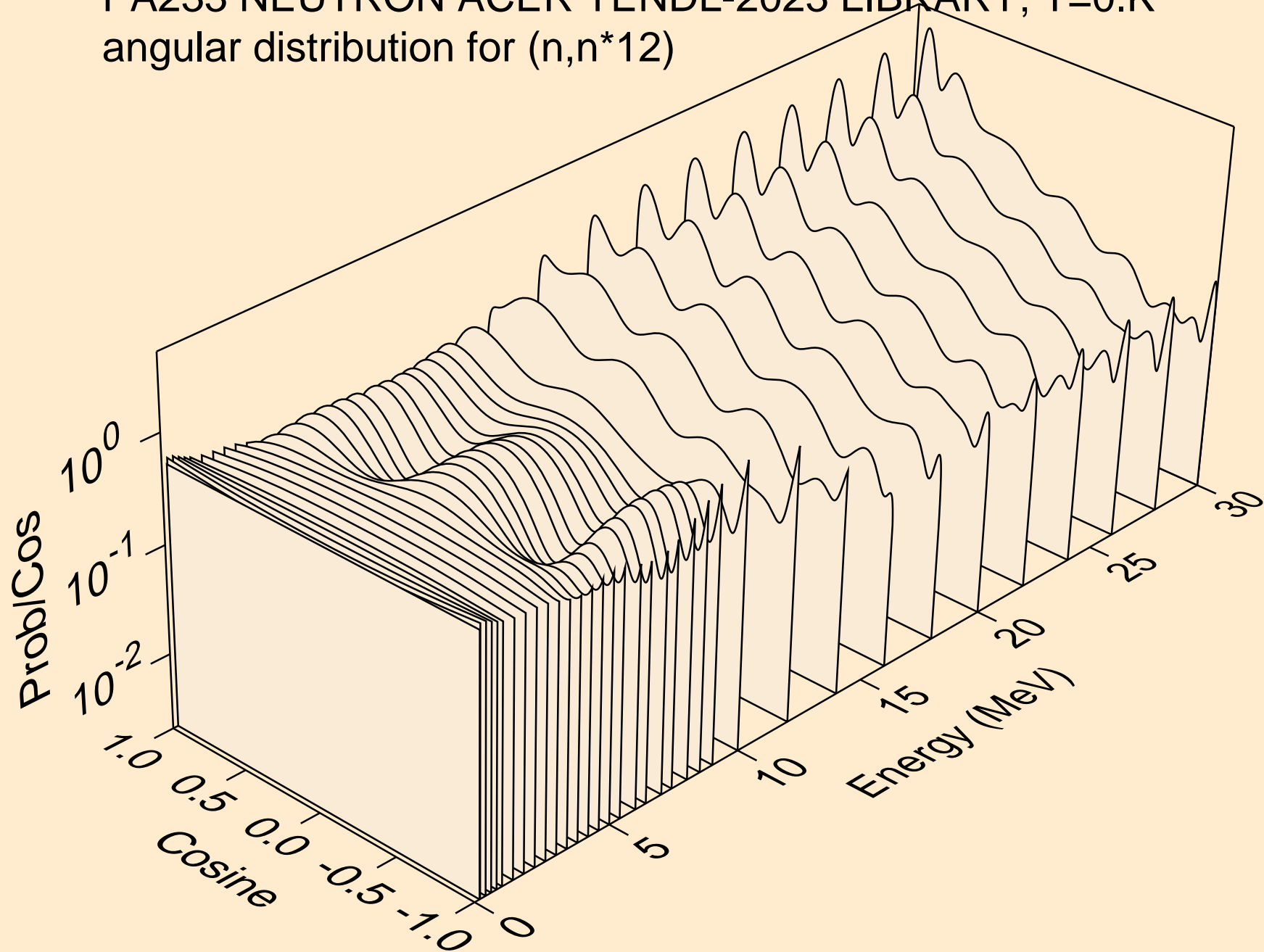
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angular distribution for (n,n\*10)



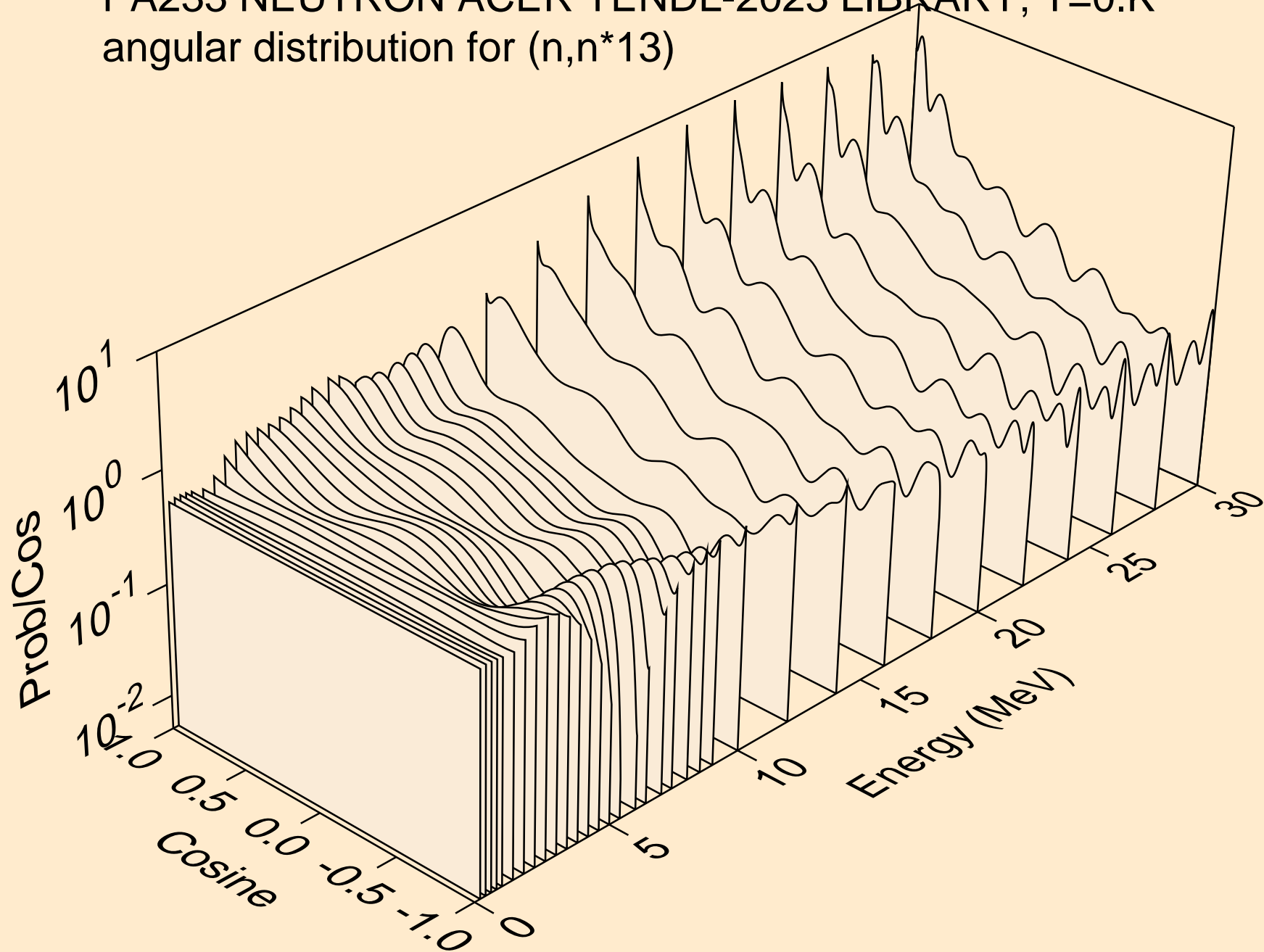
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angular distribution for (n,n\*11)



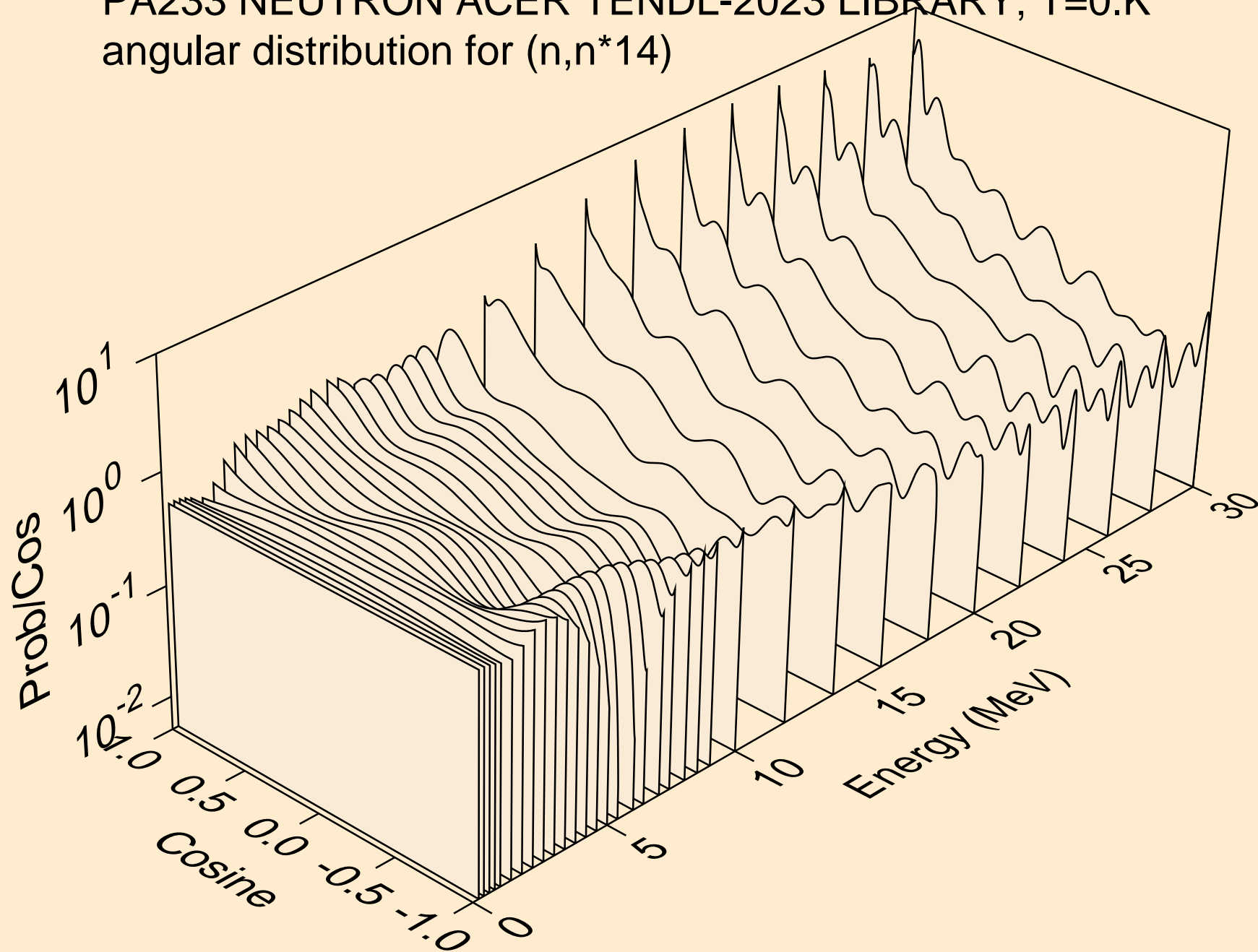
PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*12)



PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*13)

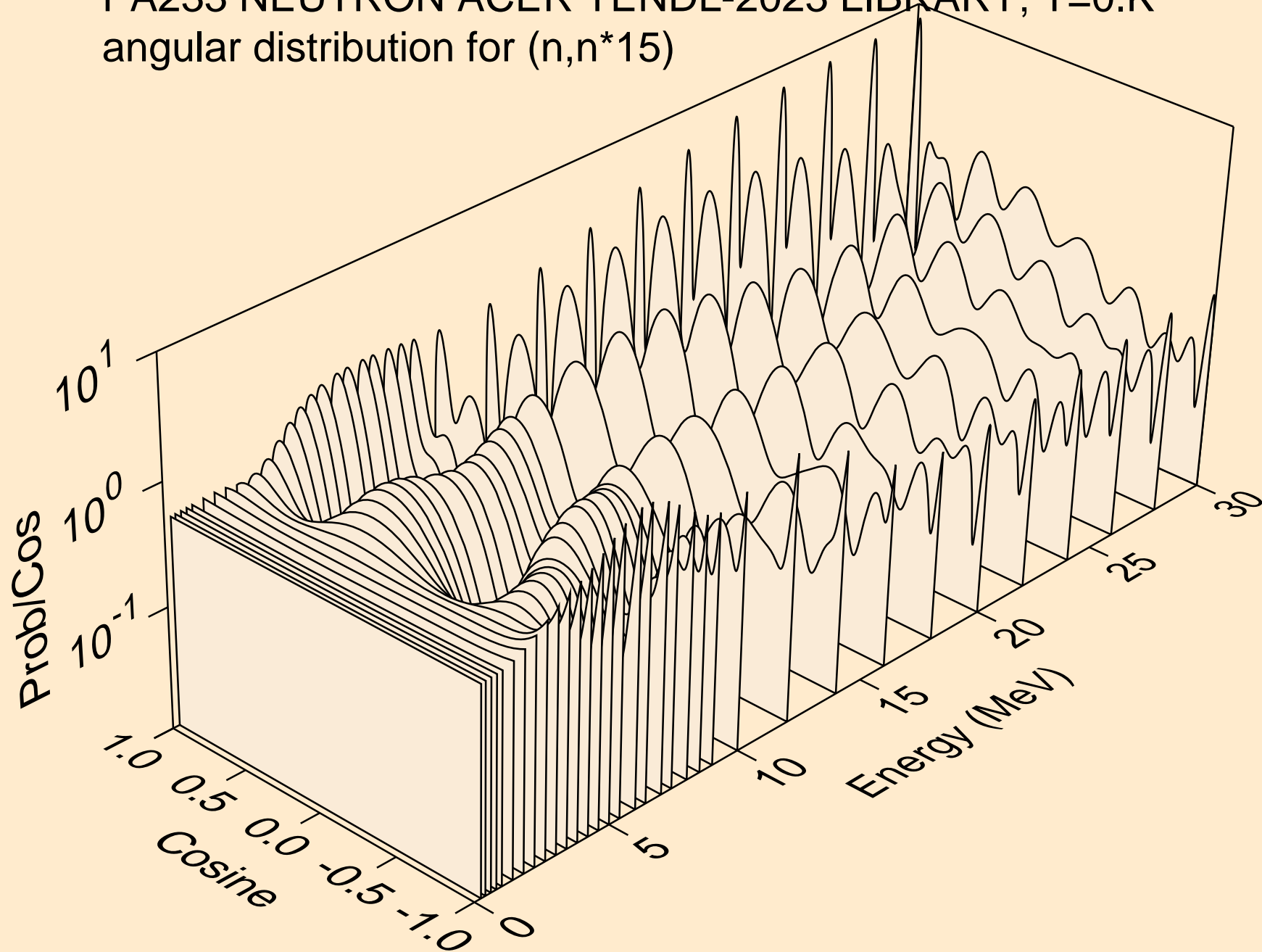


PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*14)

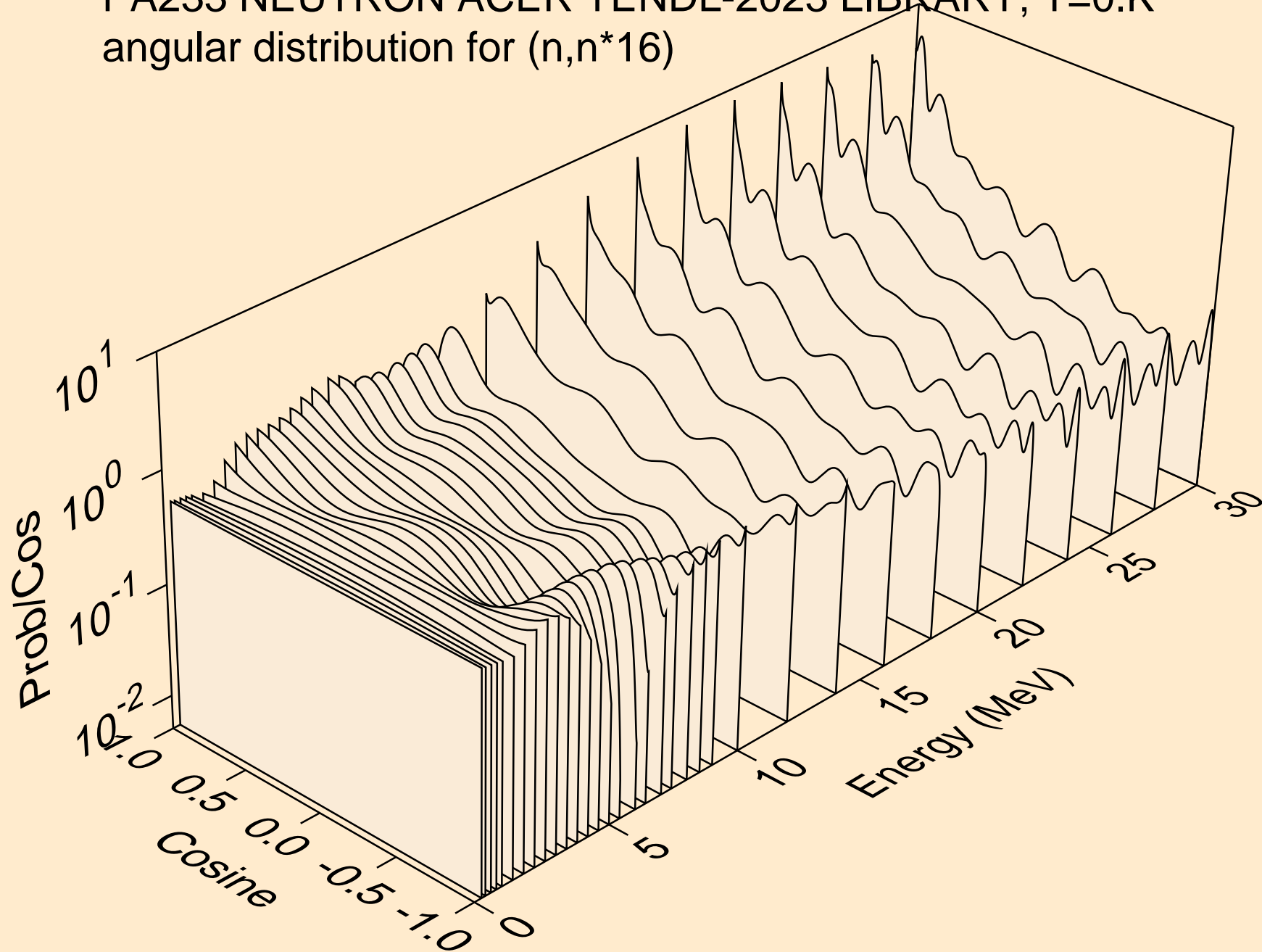




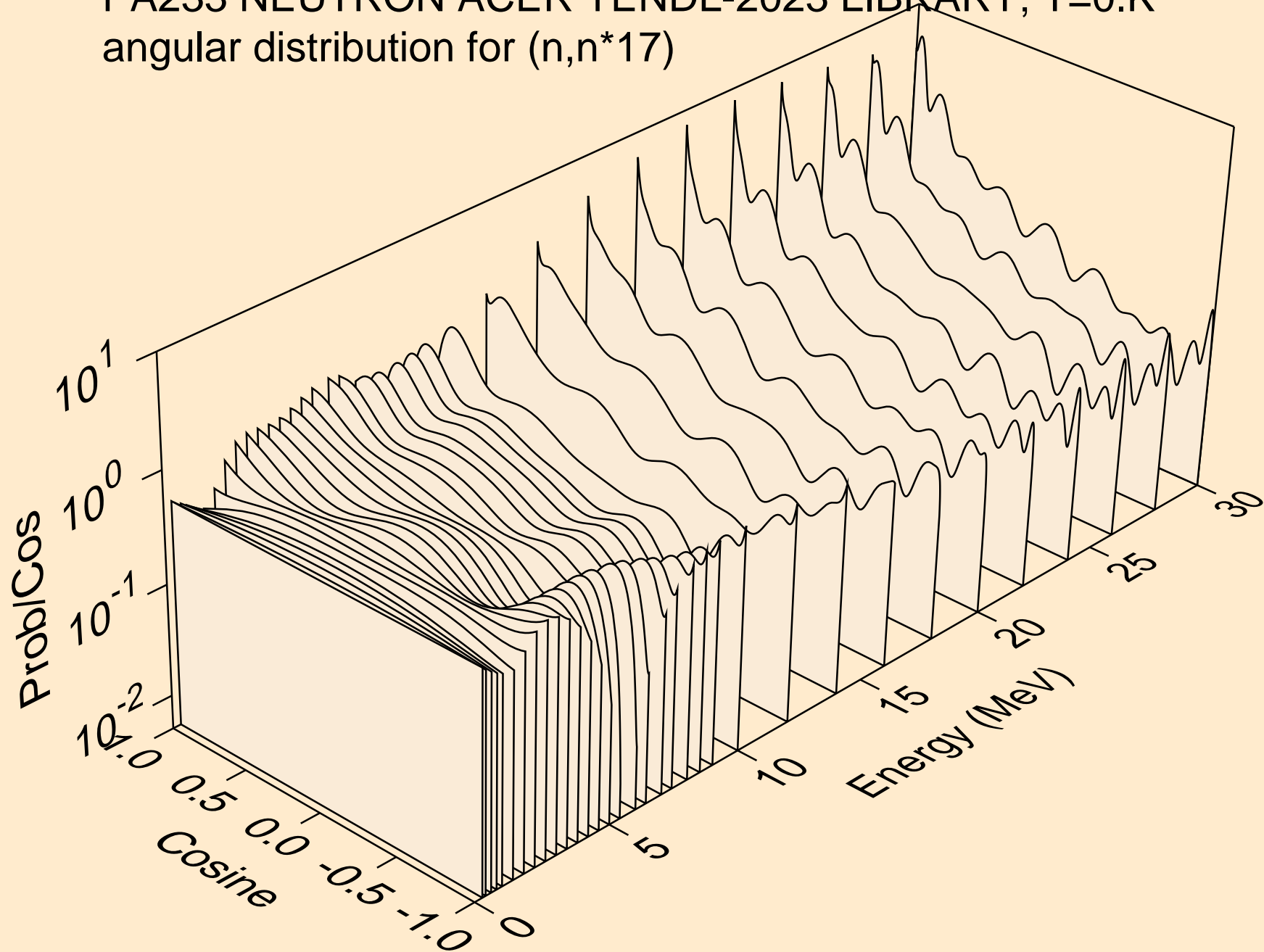
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angular distribution for (n,n\*15)



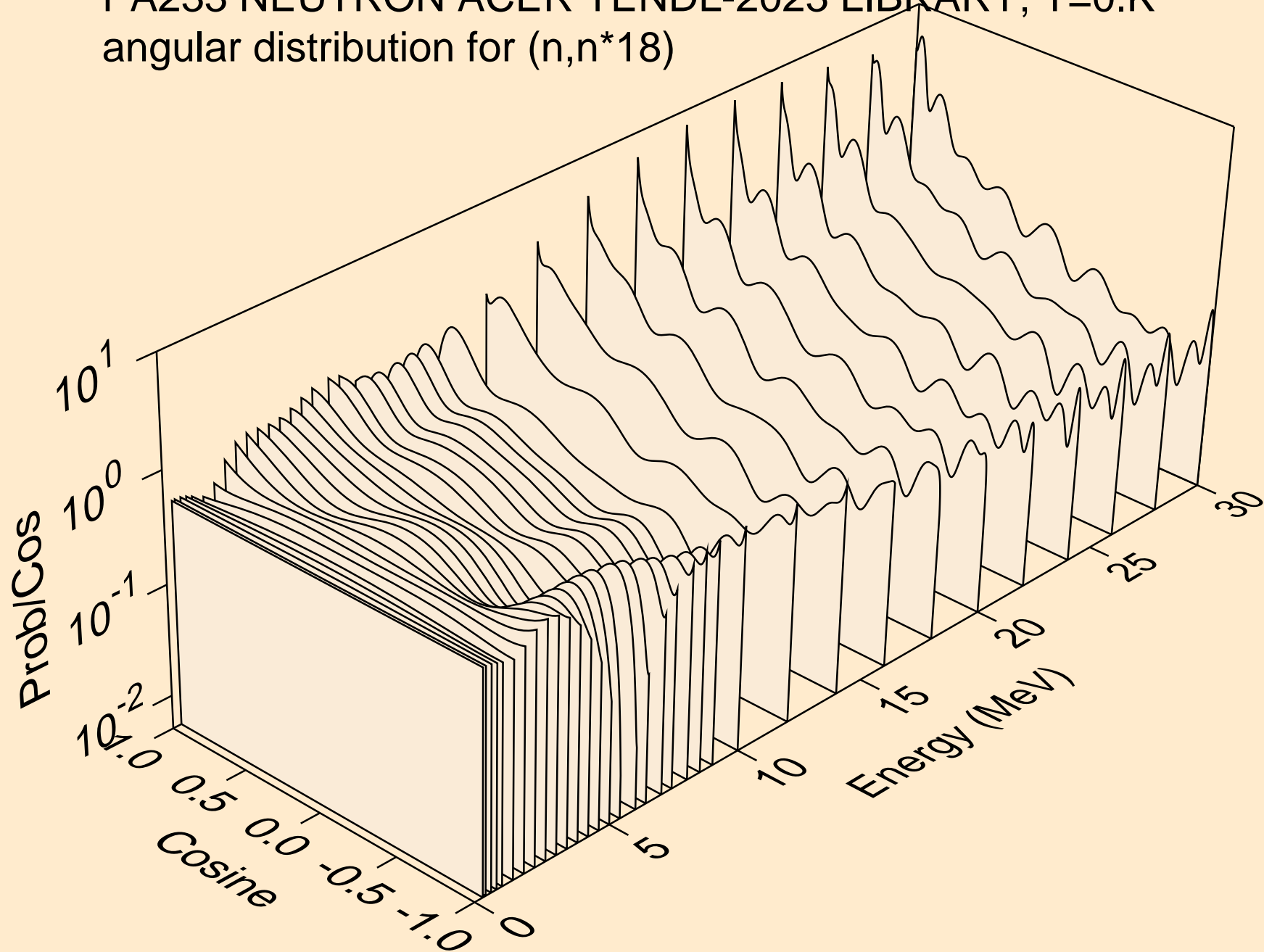
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angular distribution for (n,n\*16)



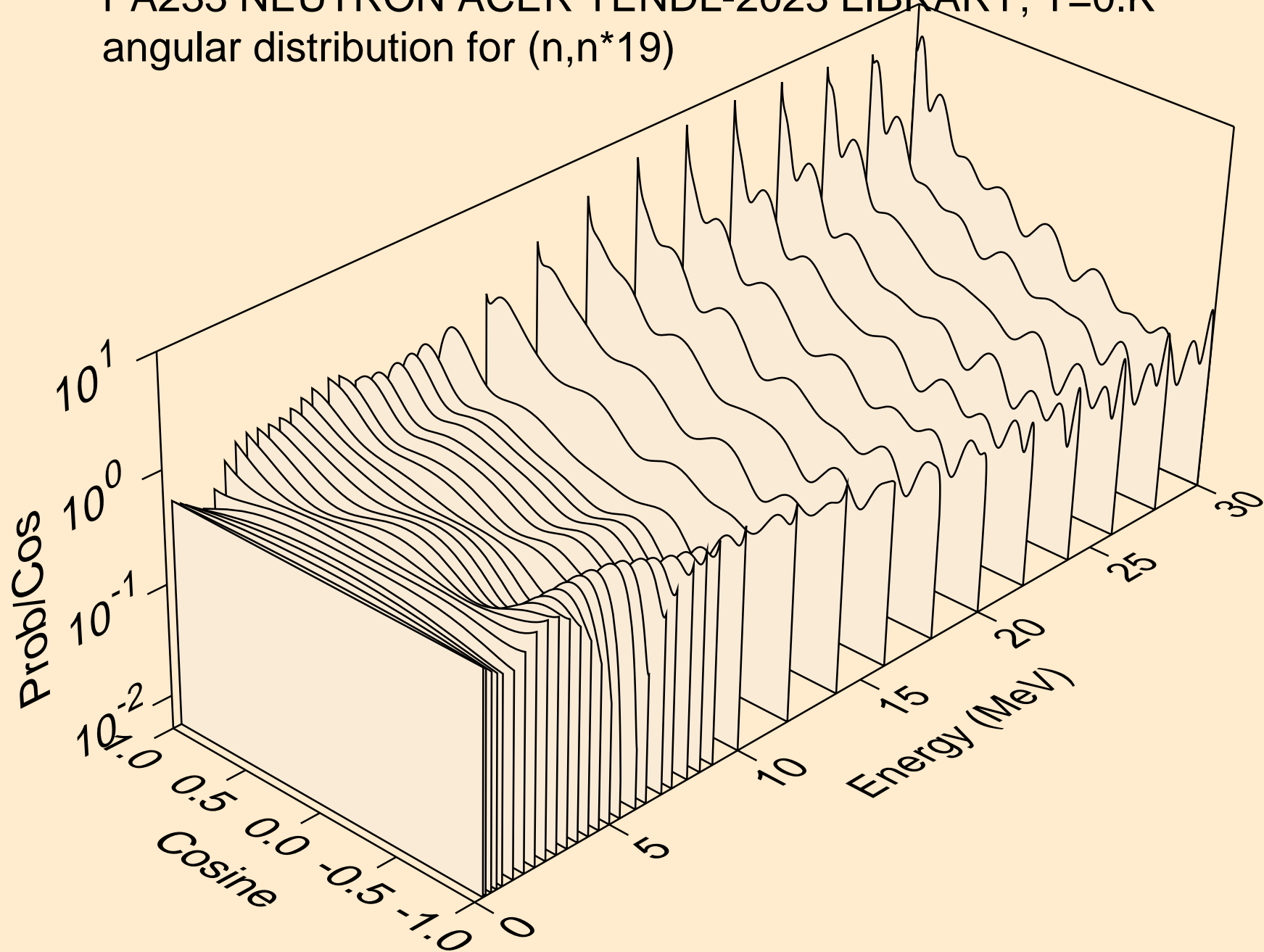
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angular distribution for (n,n\*17)



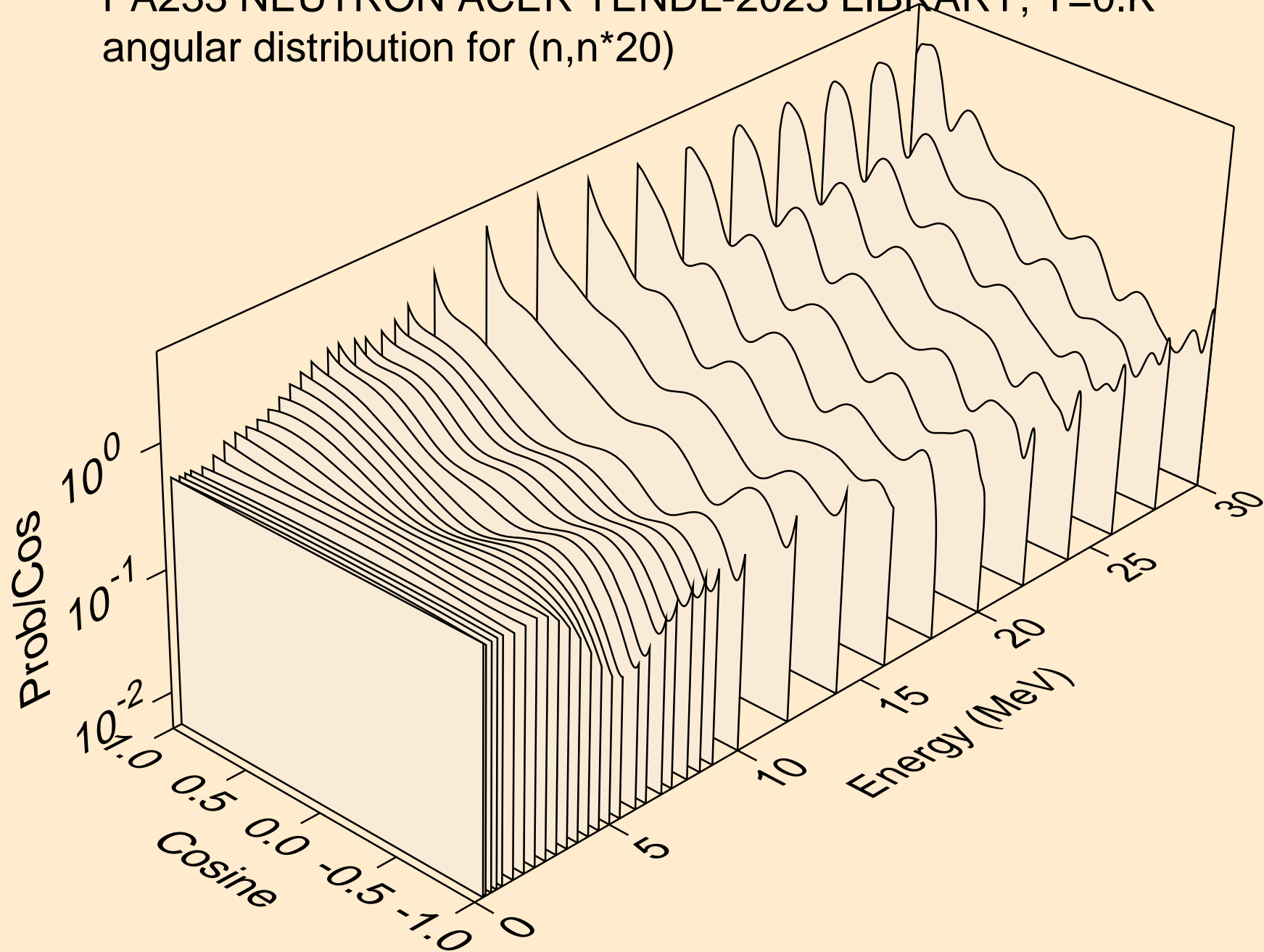
PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*18)



PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*19)

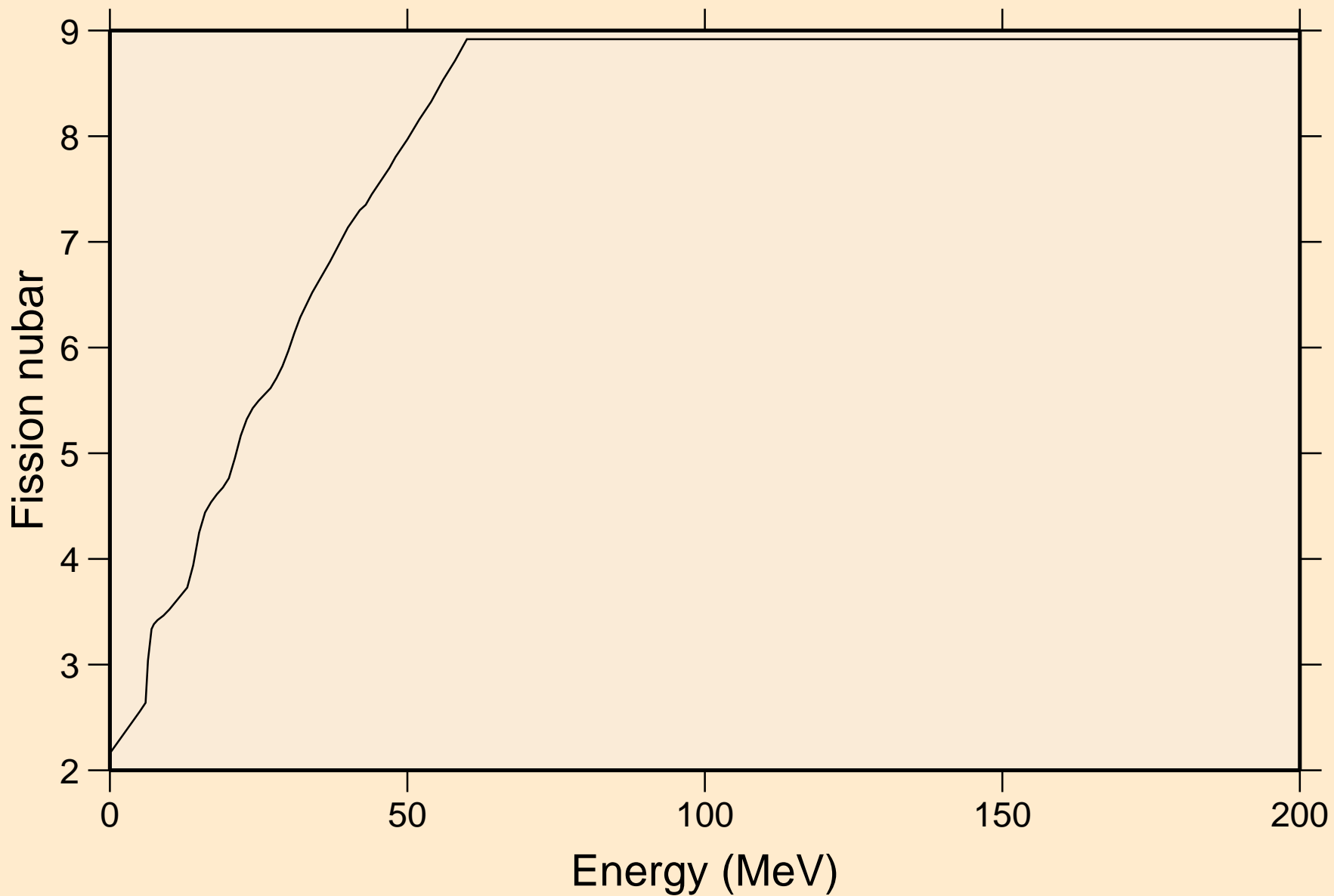


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angular distribution for (n,n\*20)

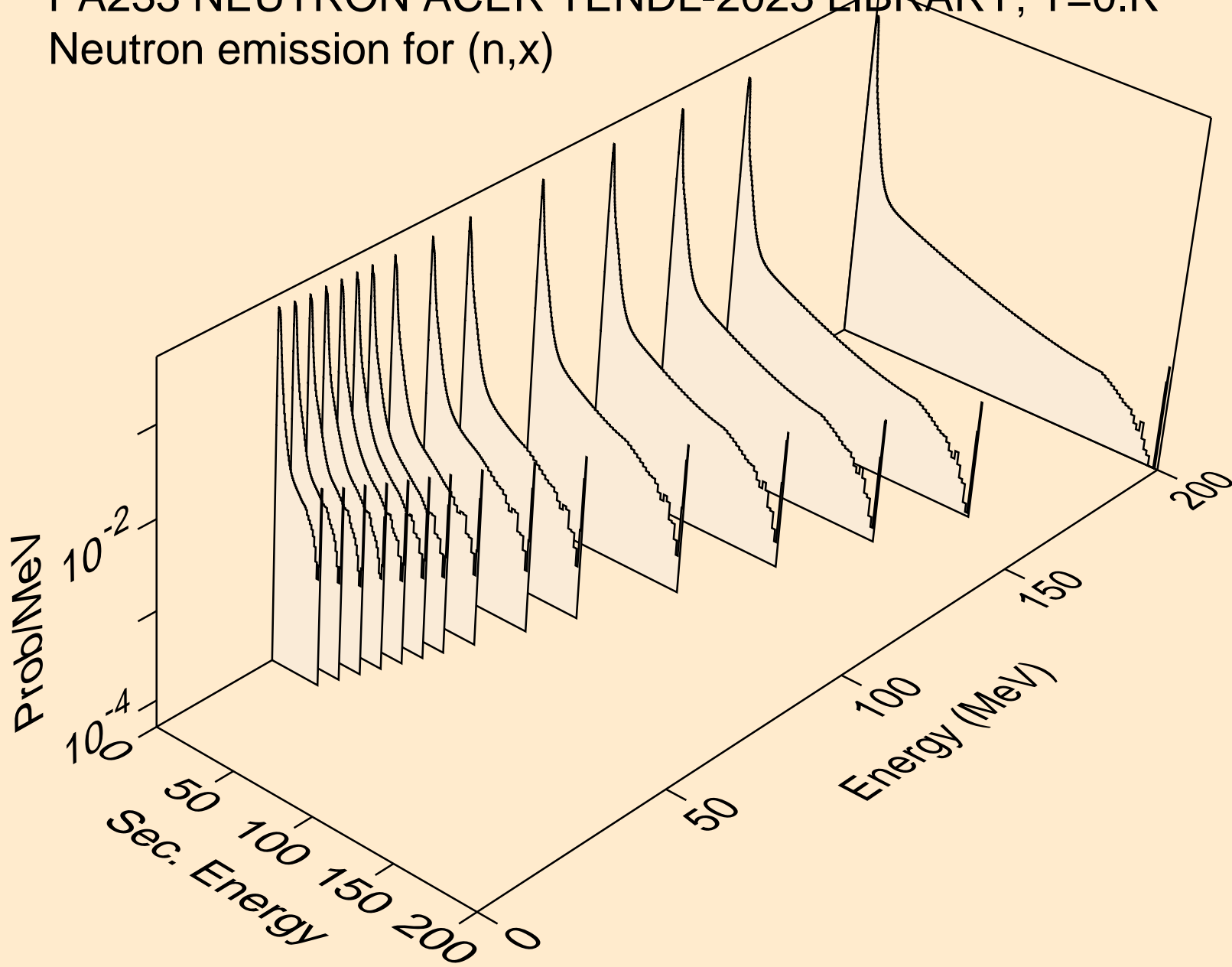


PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Total fission nubar

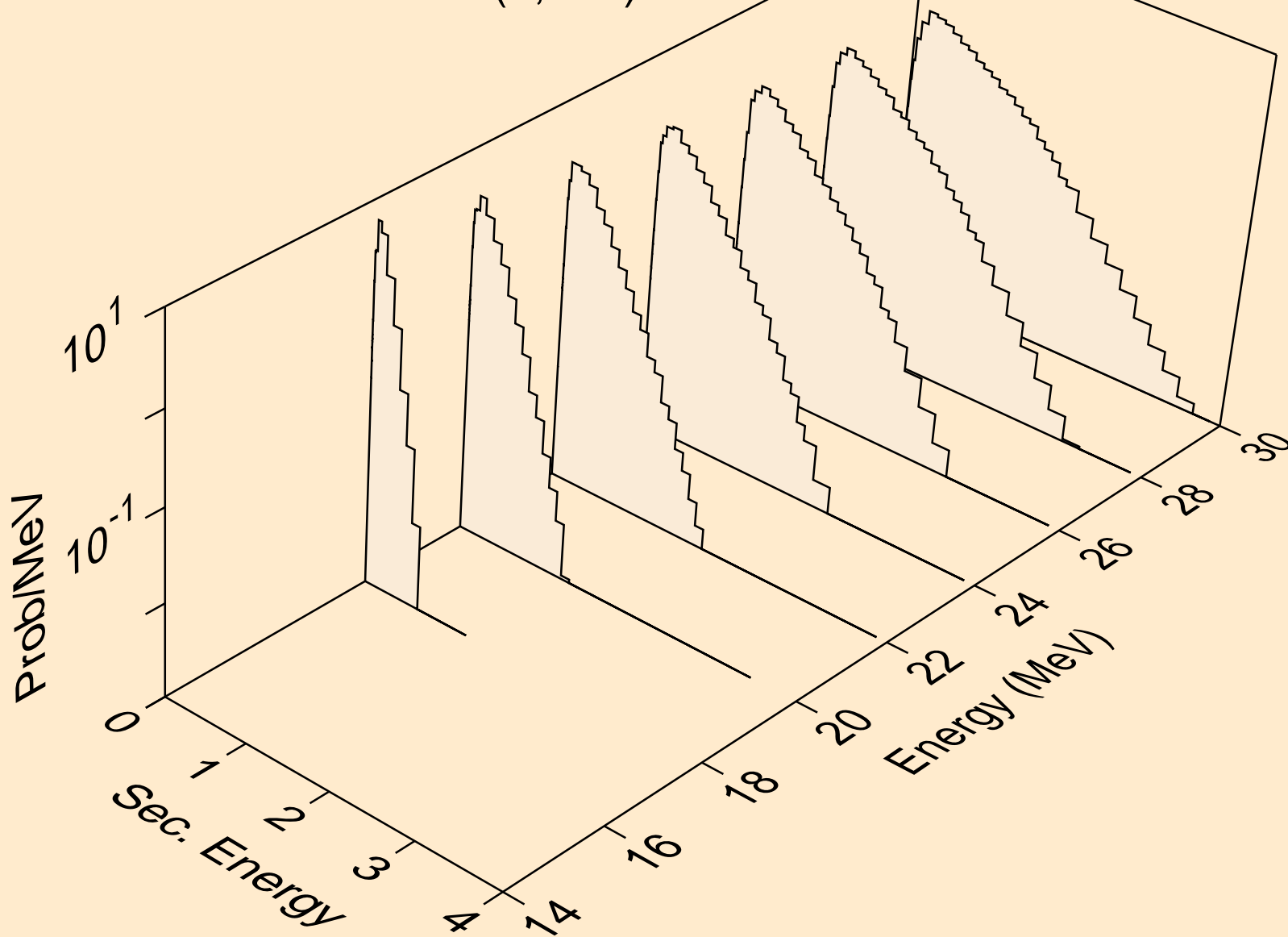


PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,x)

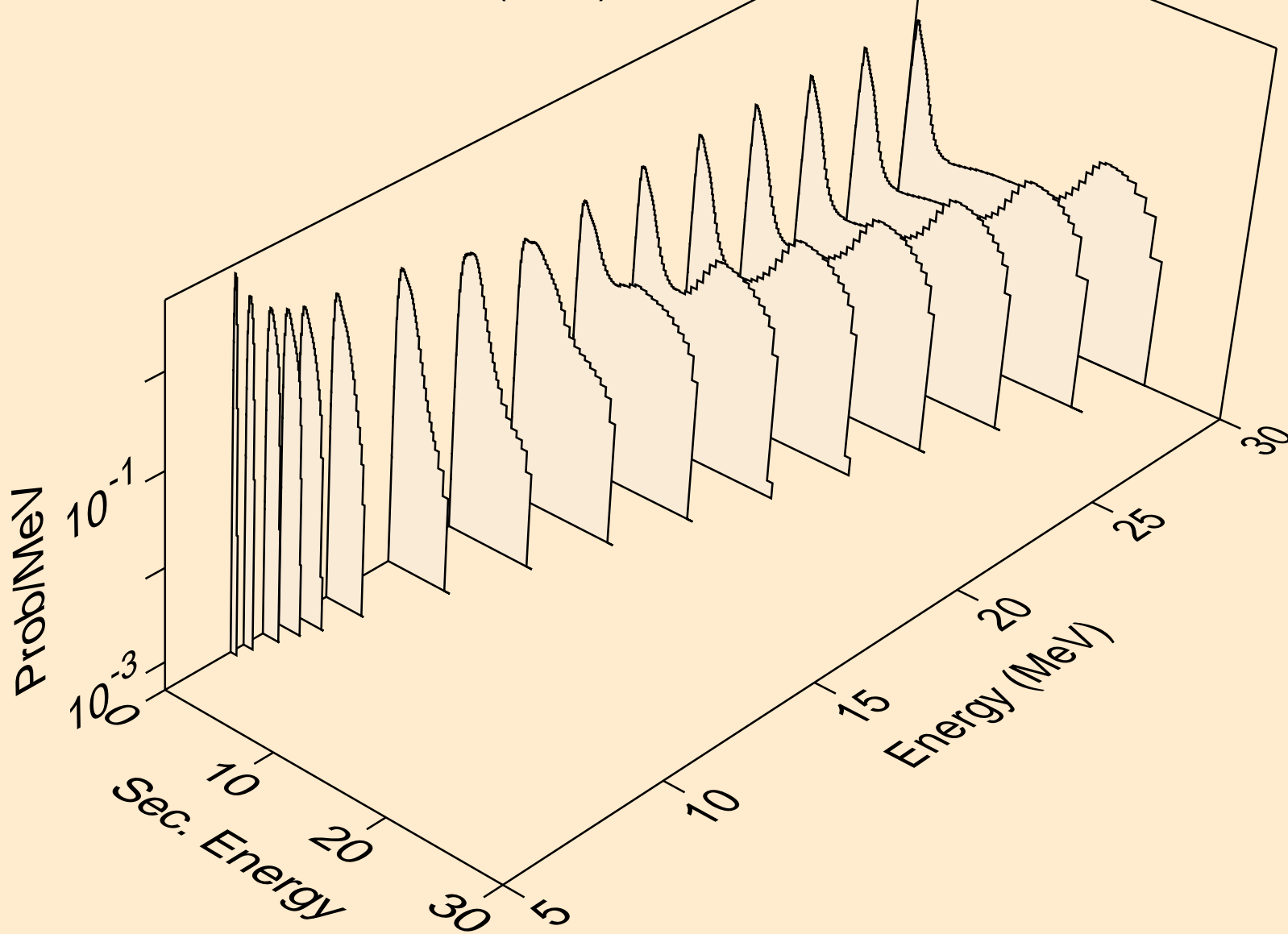




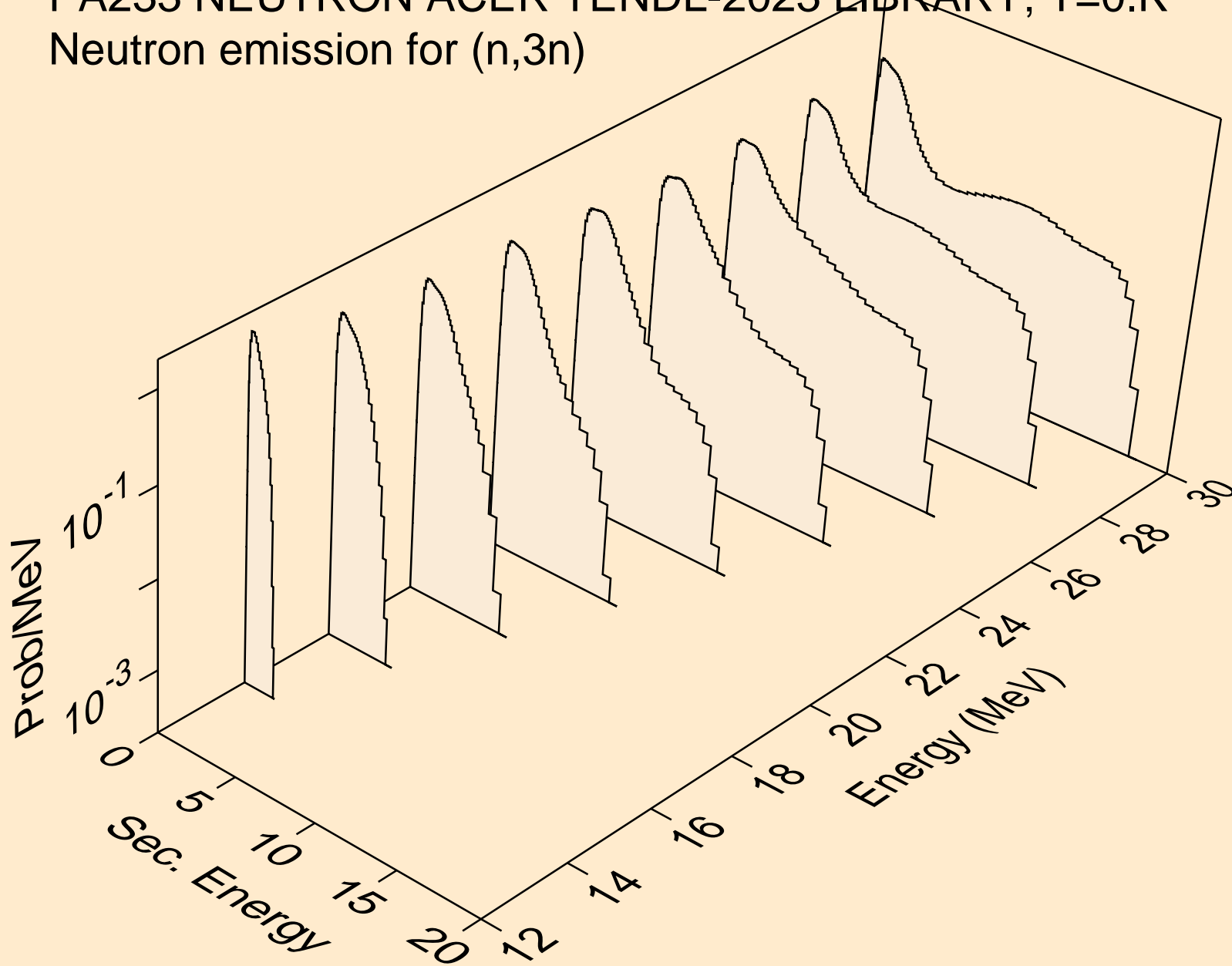
PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



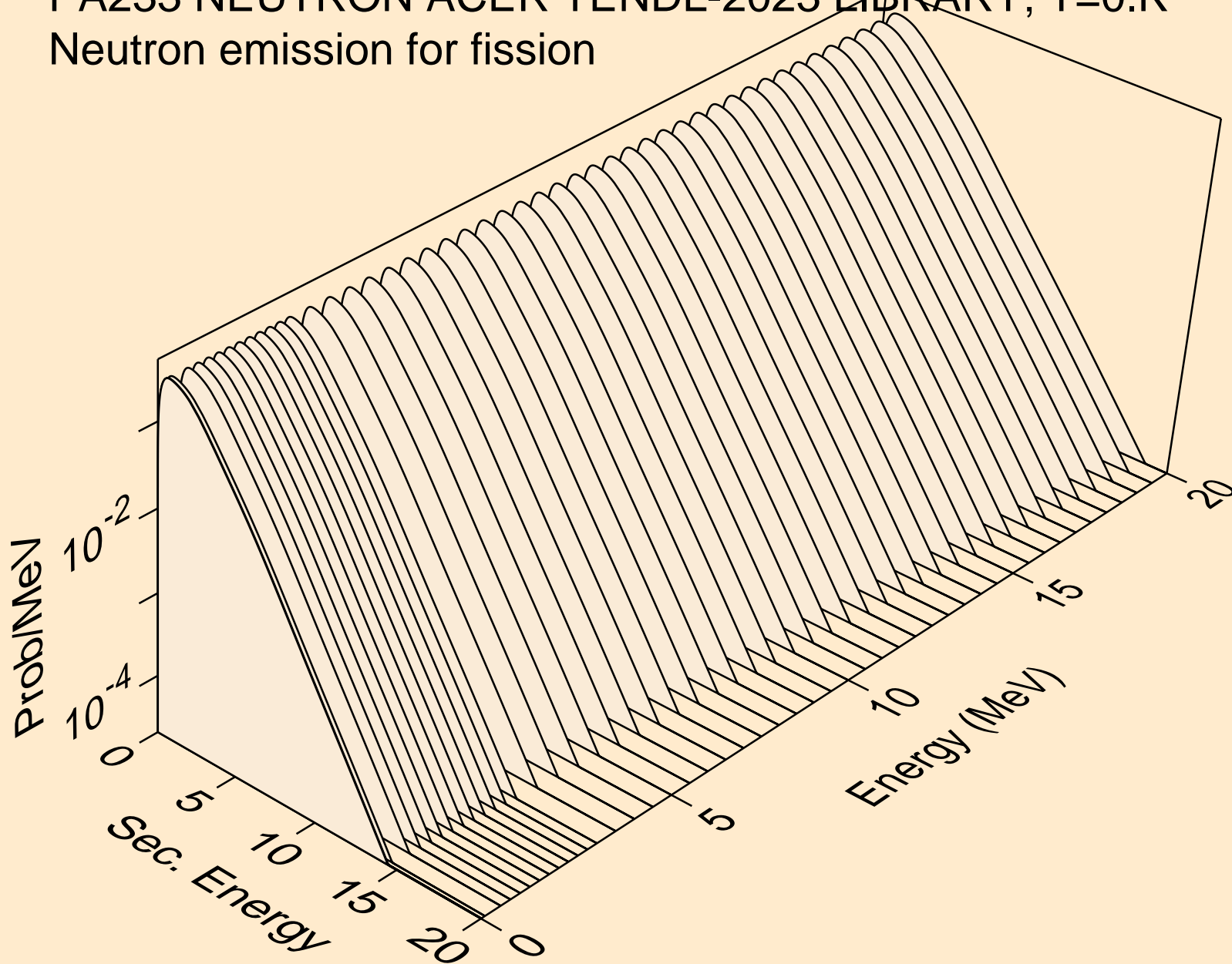
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Neutron emission for (n,2n)



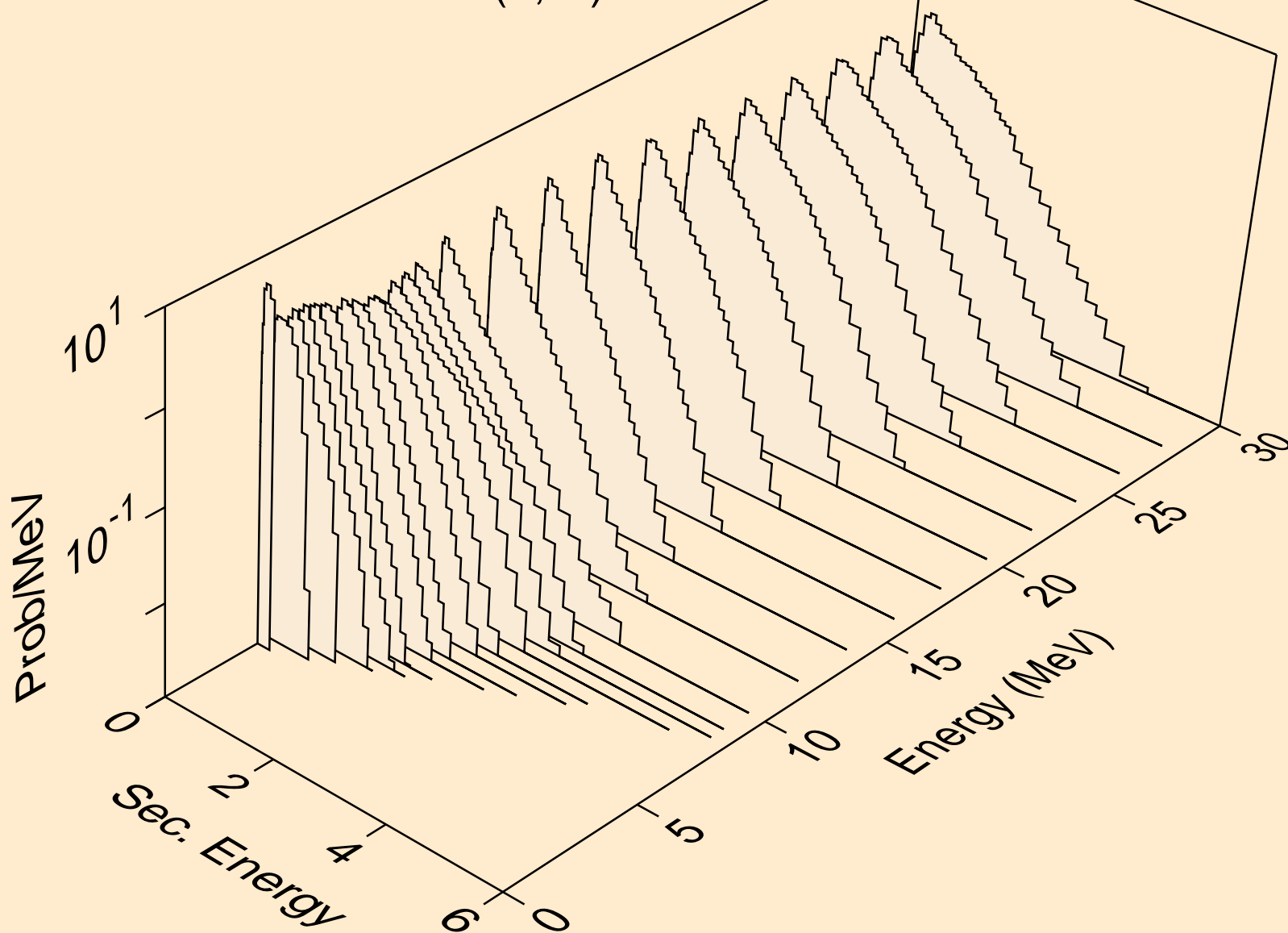
PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)



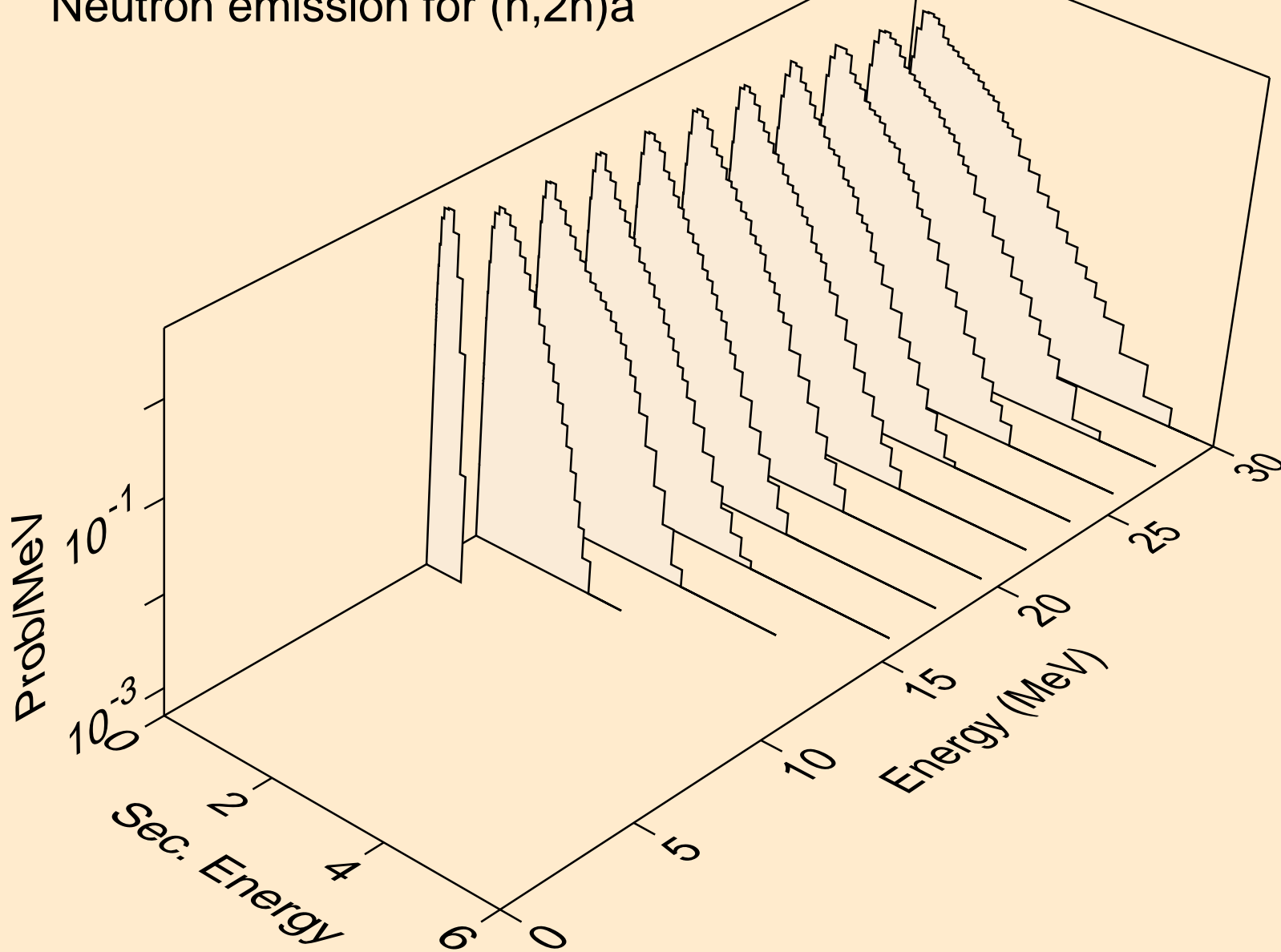
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Neutron emission for fission



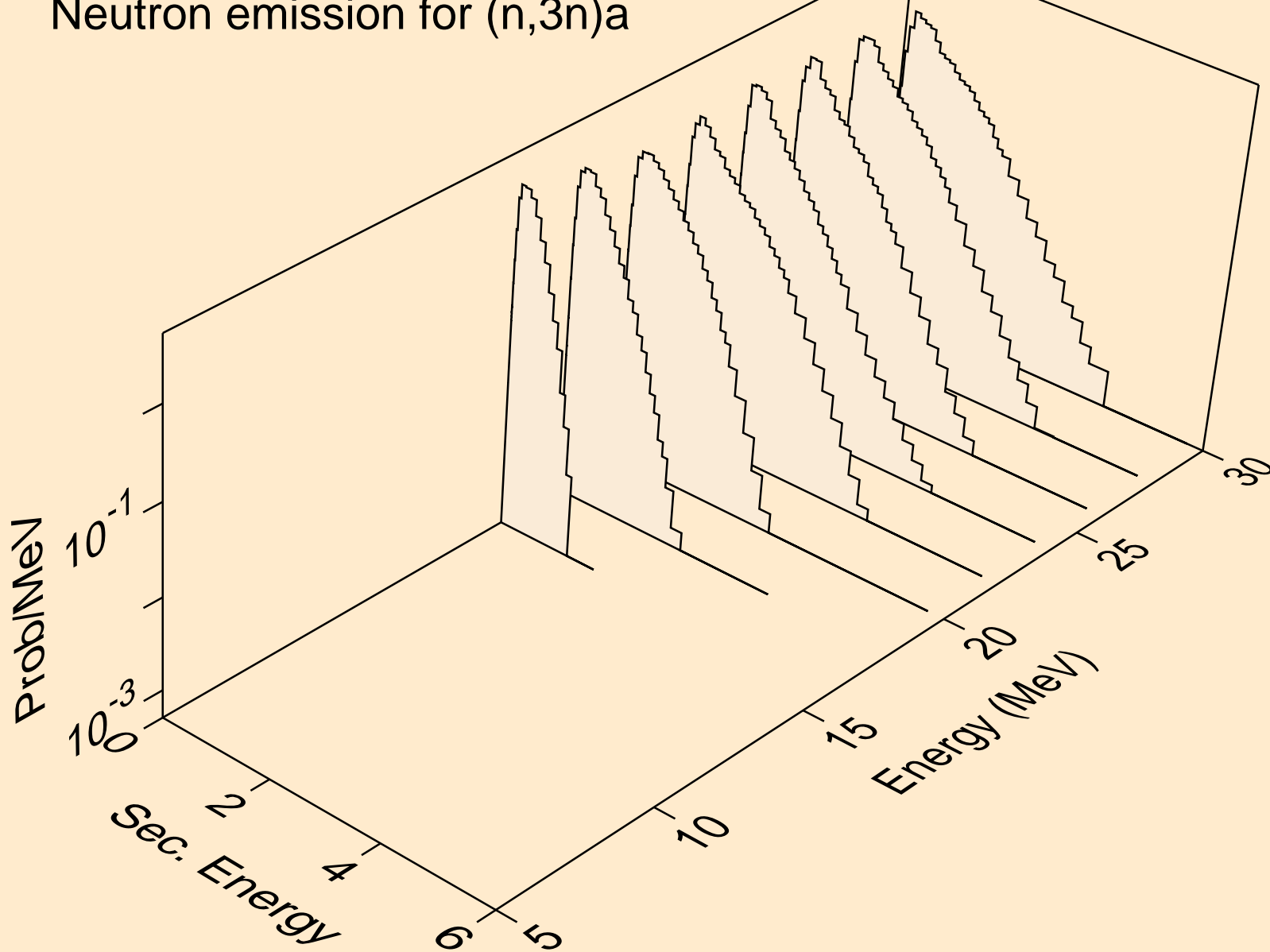
PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



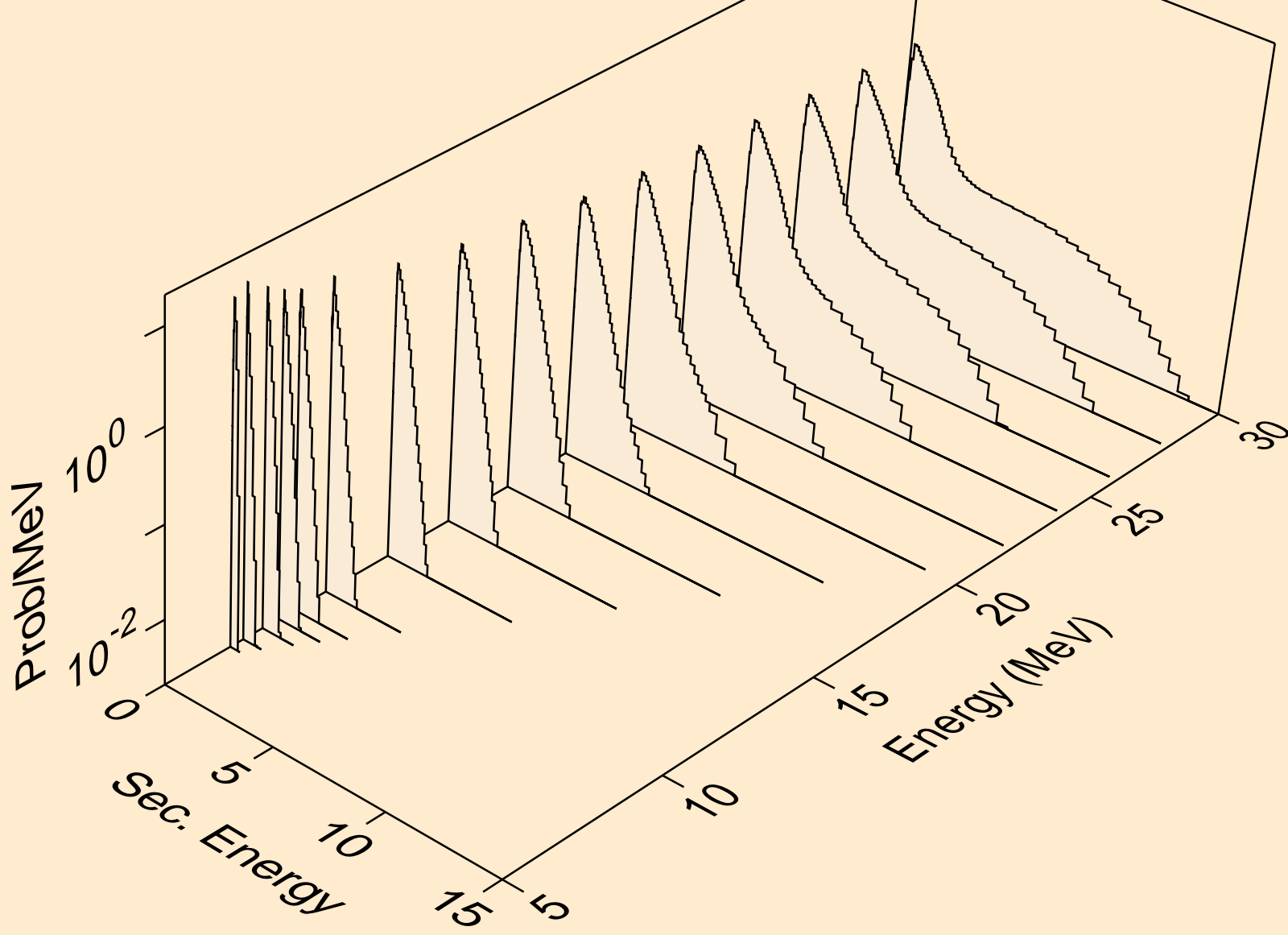
PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)a



PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)a

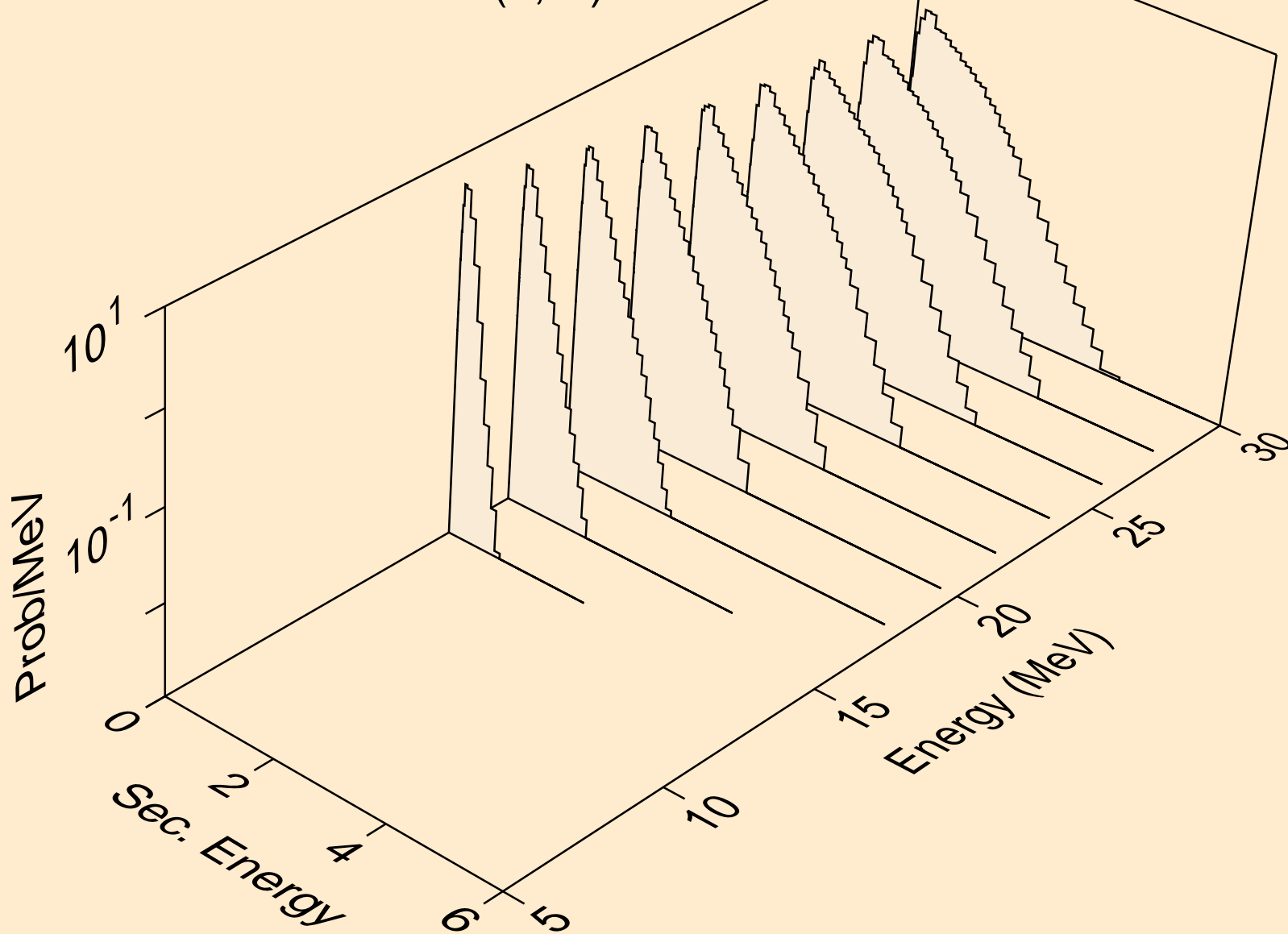


PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p

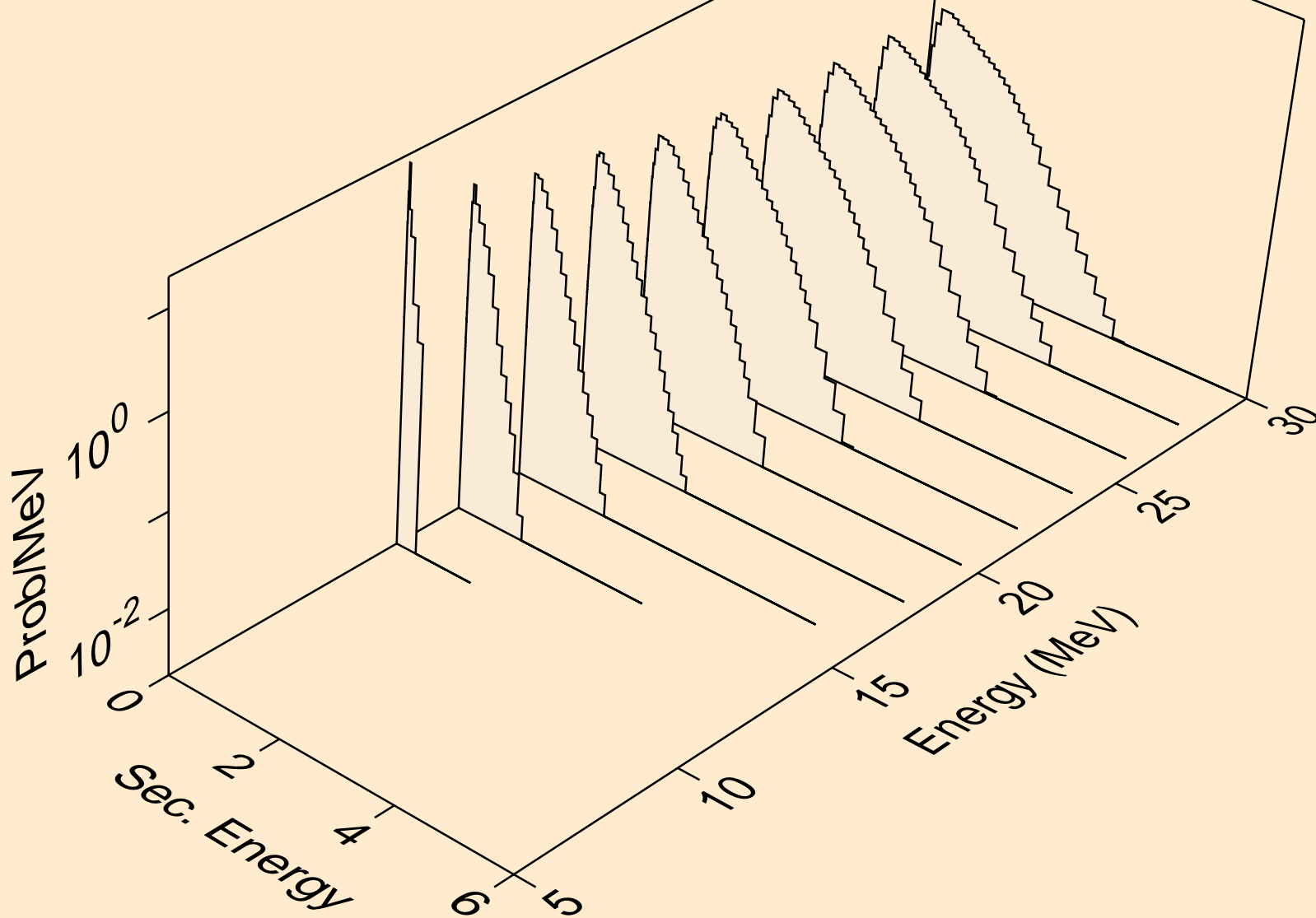




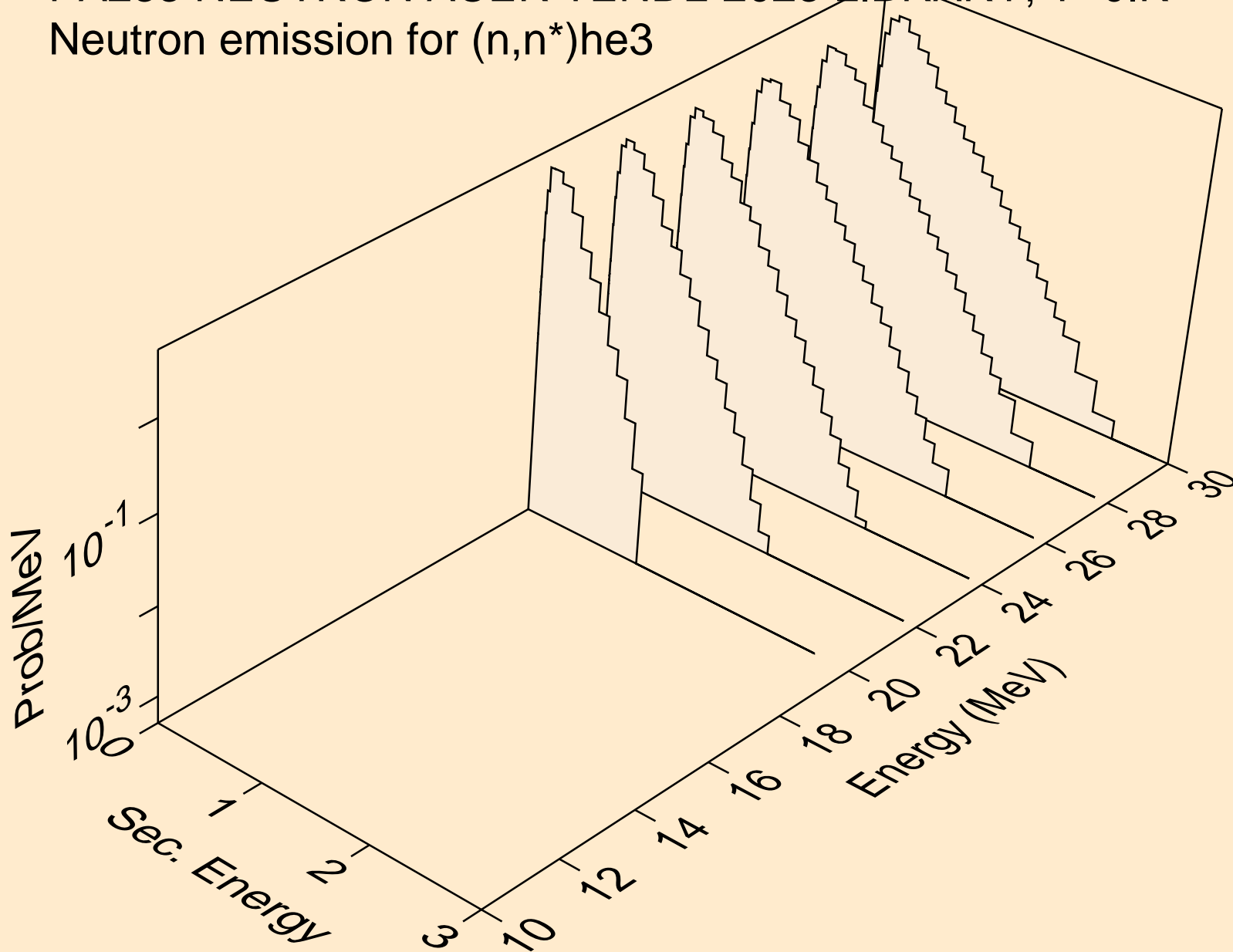
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Neutron emission for (n,n\*)d



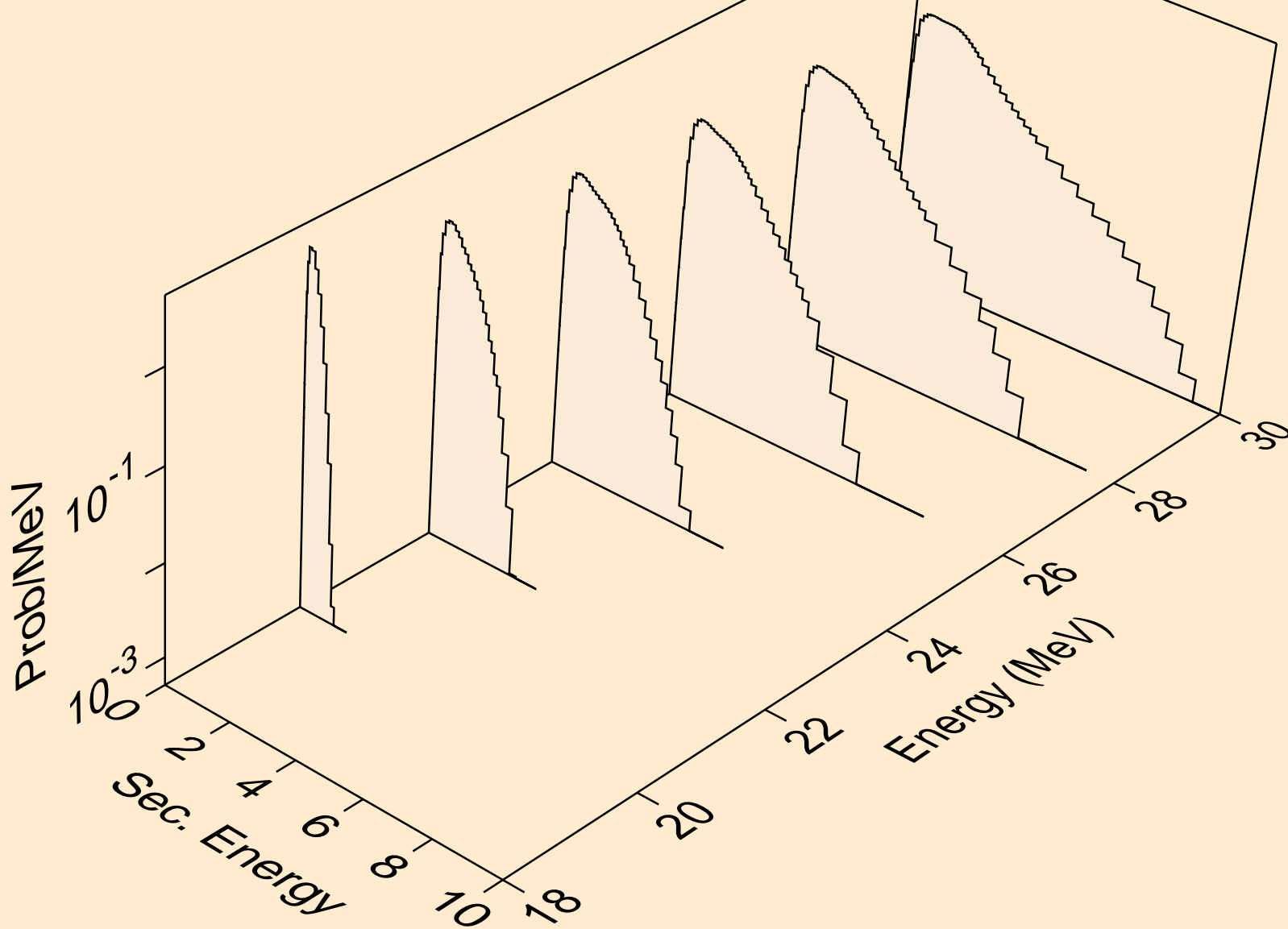
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Neutron emission for (n,n\*)t



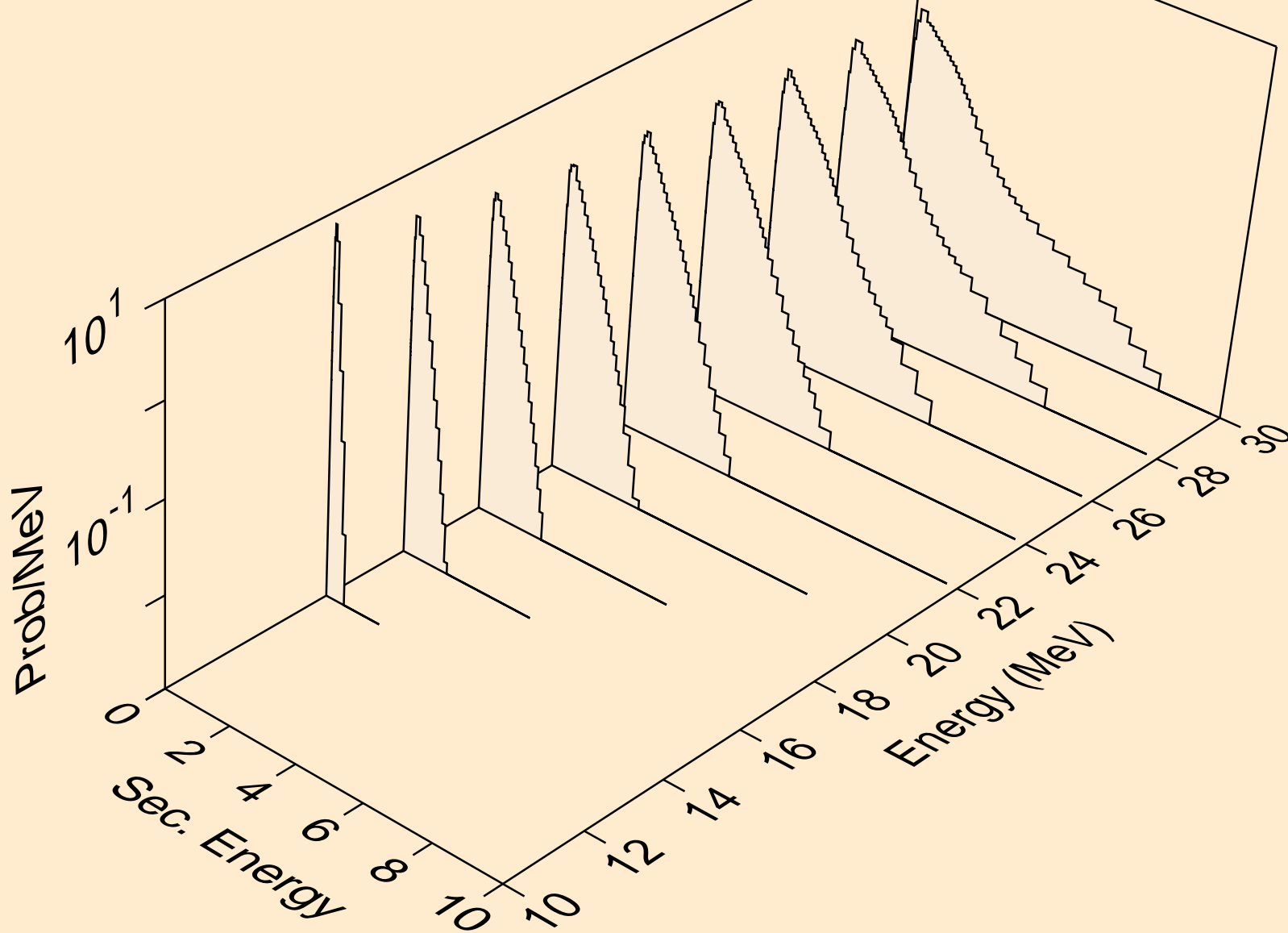
PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



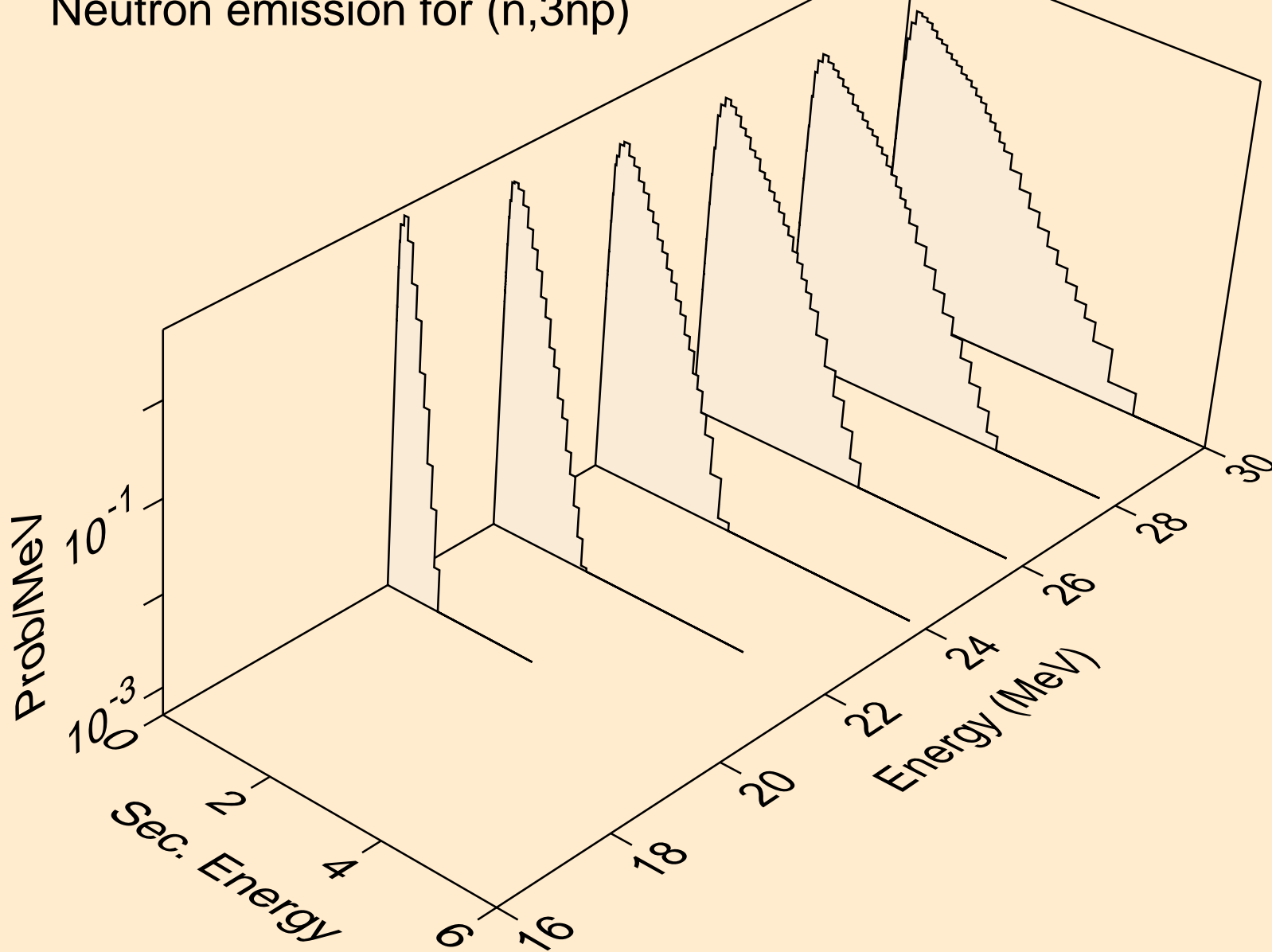
PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,4n)



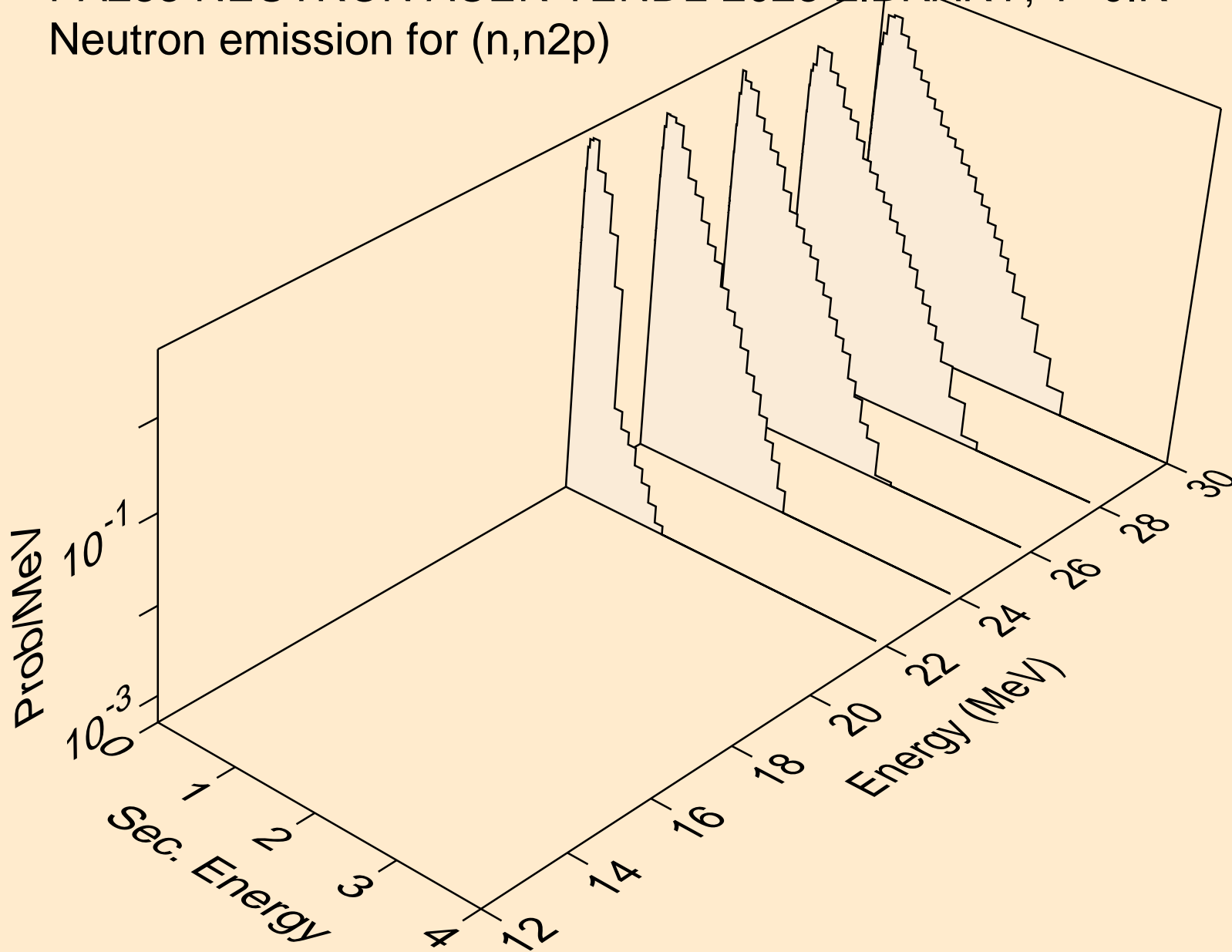
PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2np)



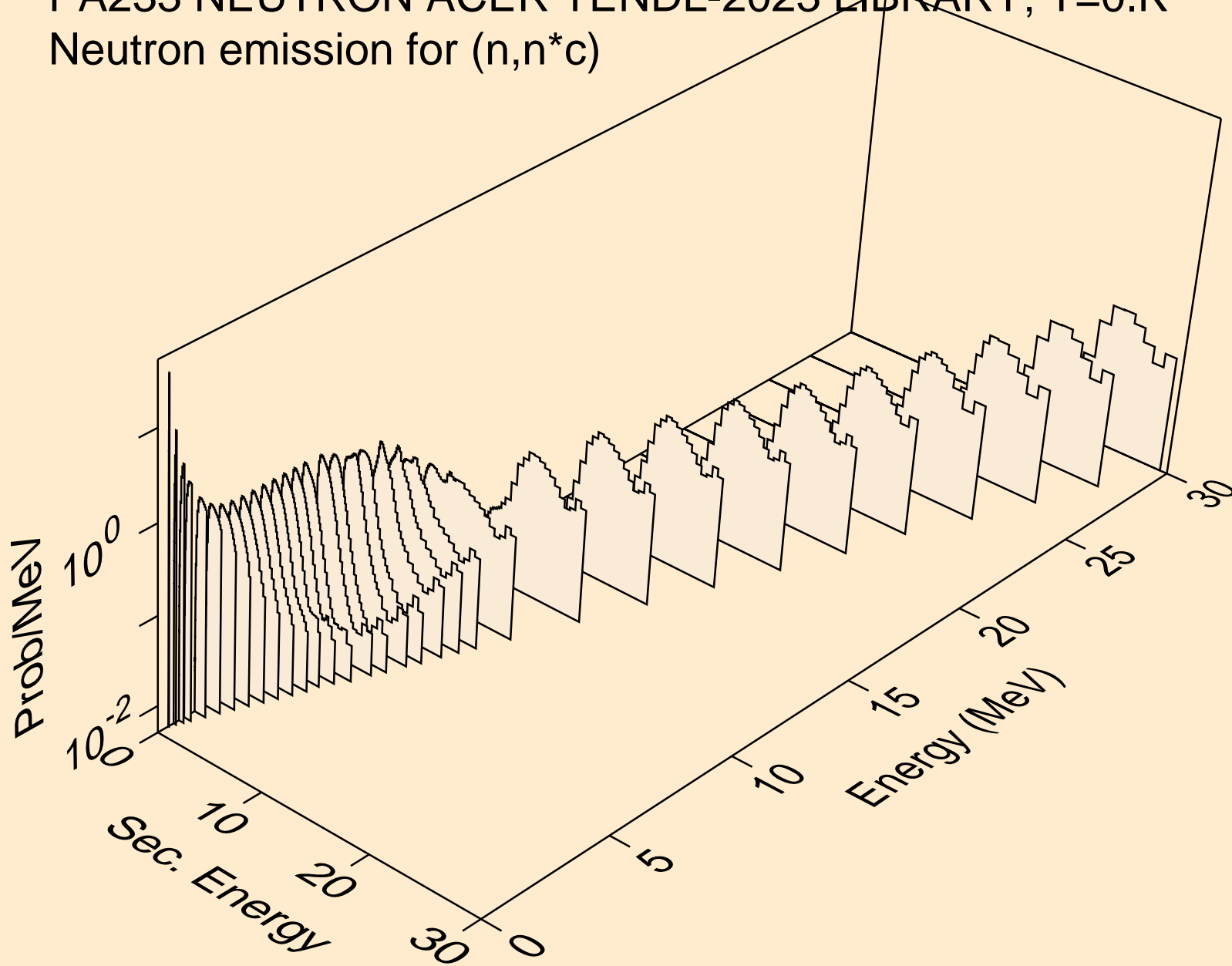
PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3np)



PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n2p)



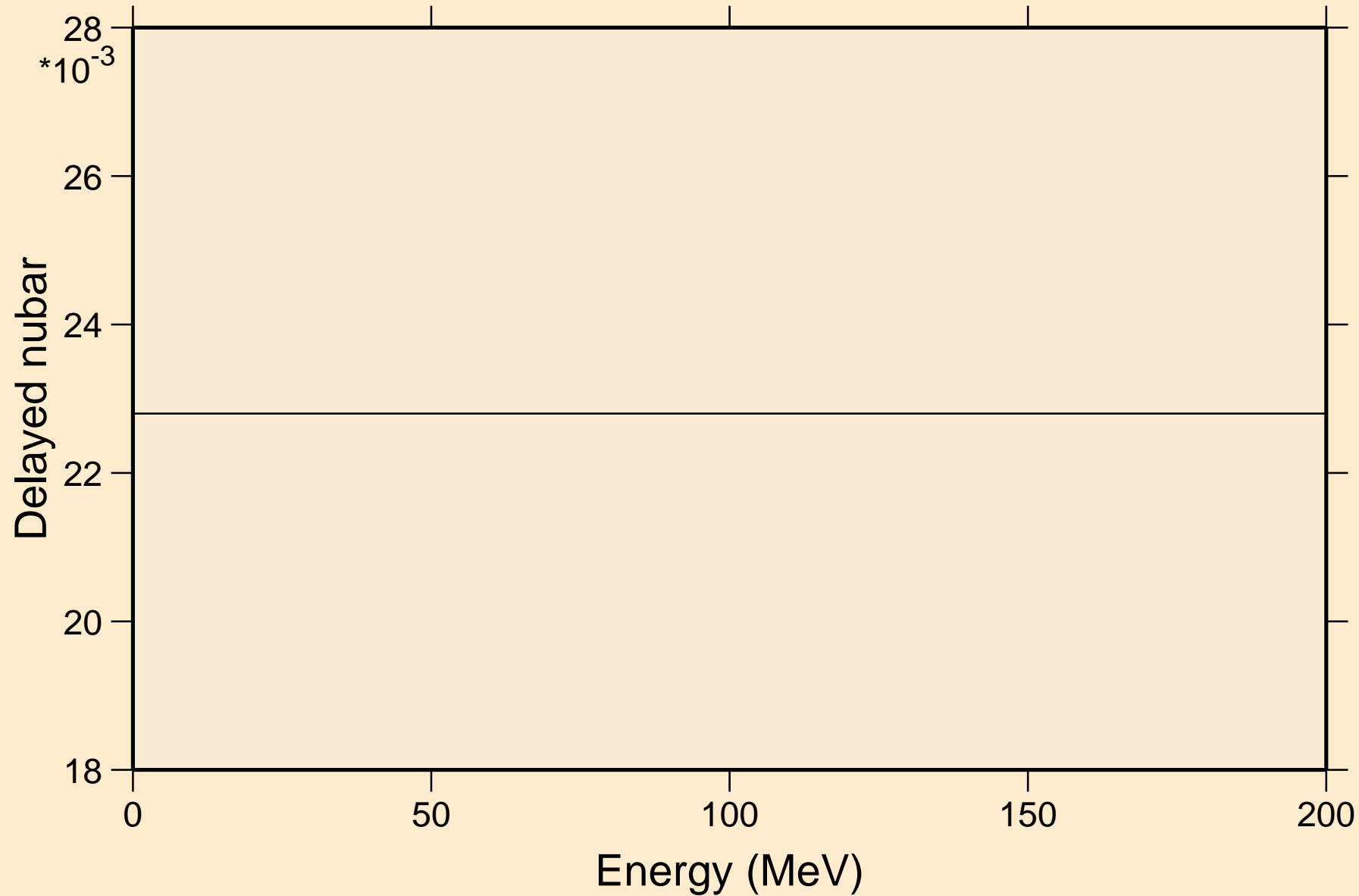
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Neutron emission for (n,n\*c)





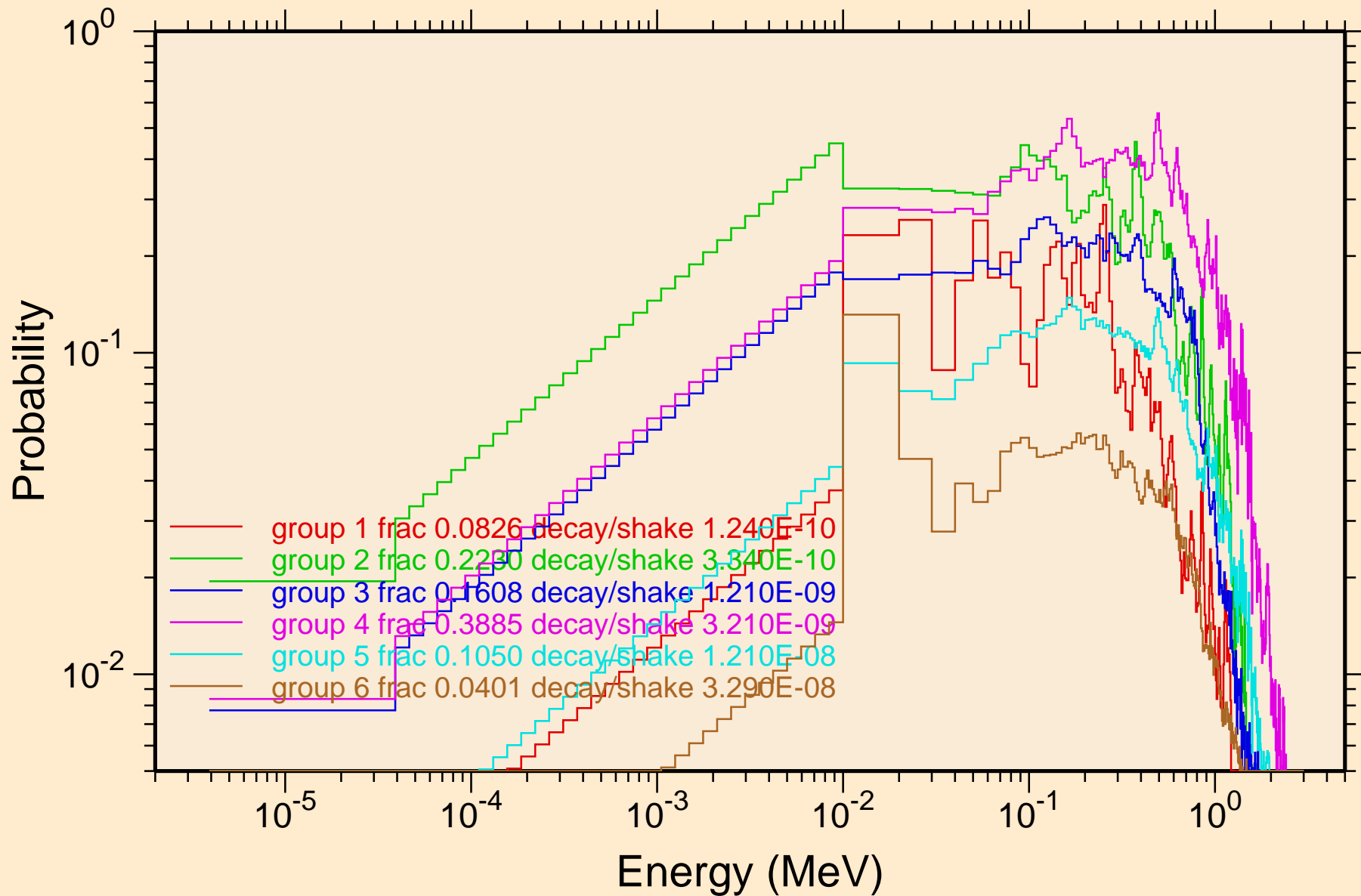
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Delayed nubar

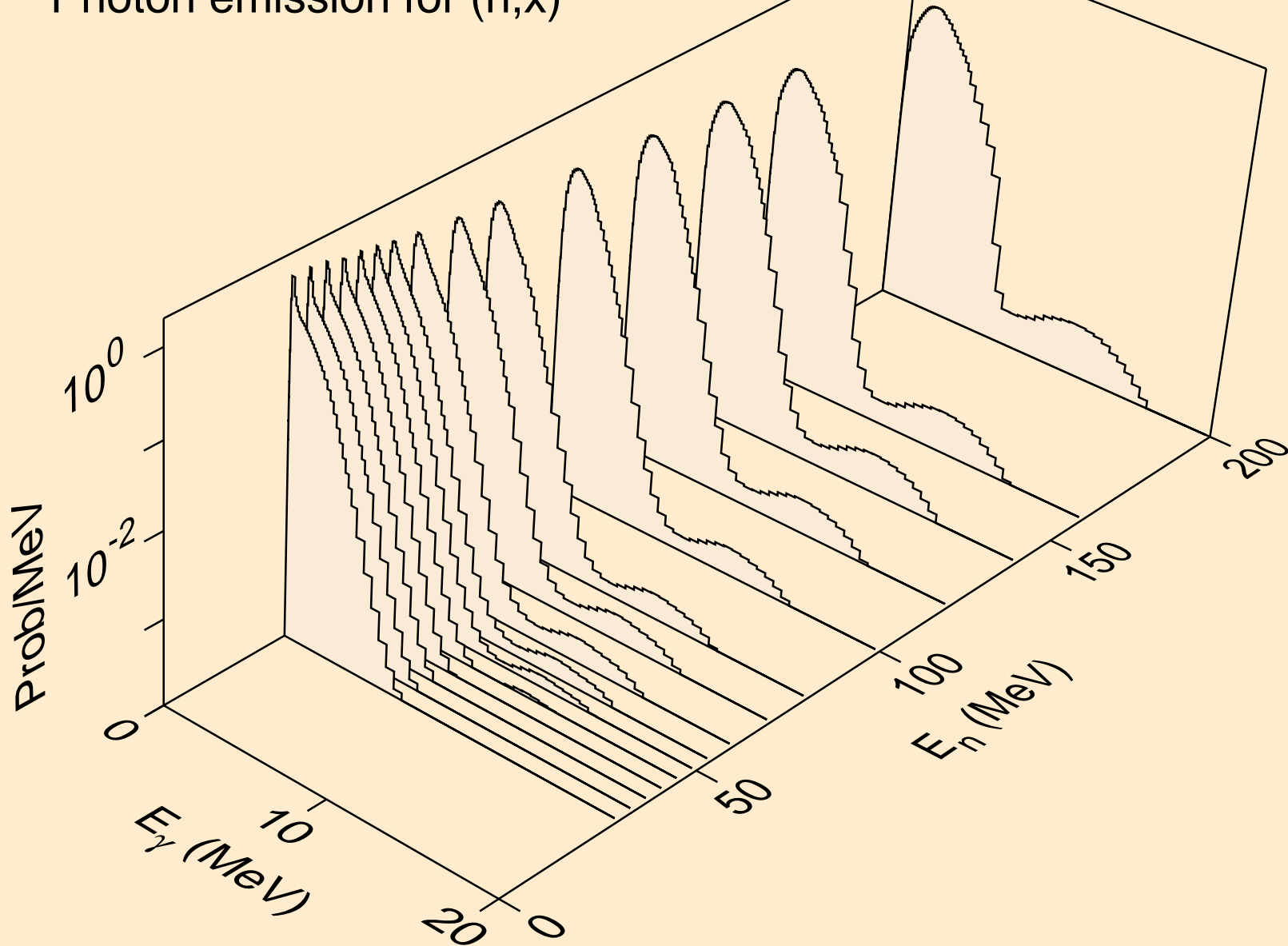


# PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

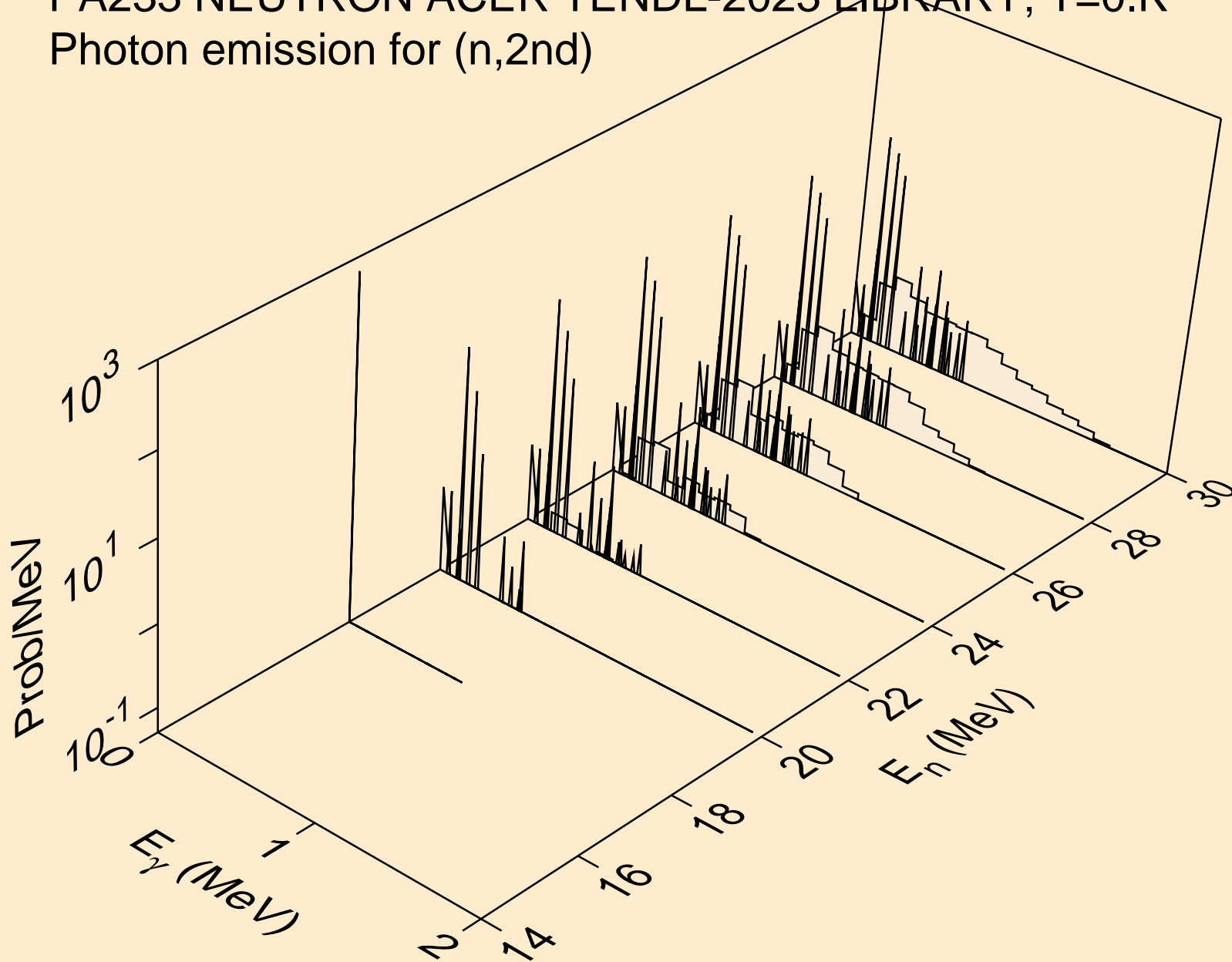
## Delayed neutron spectra



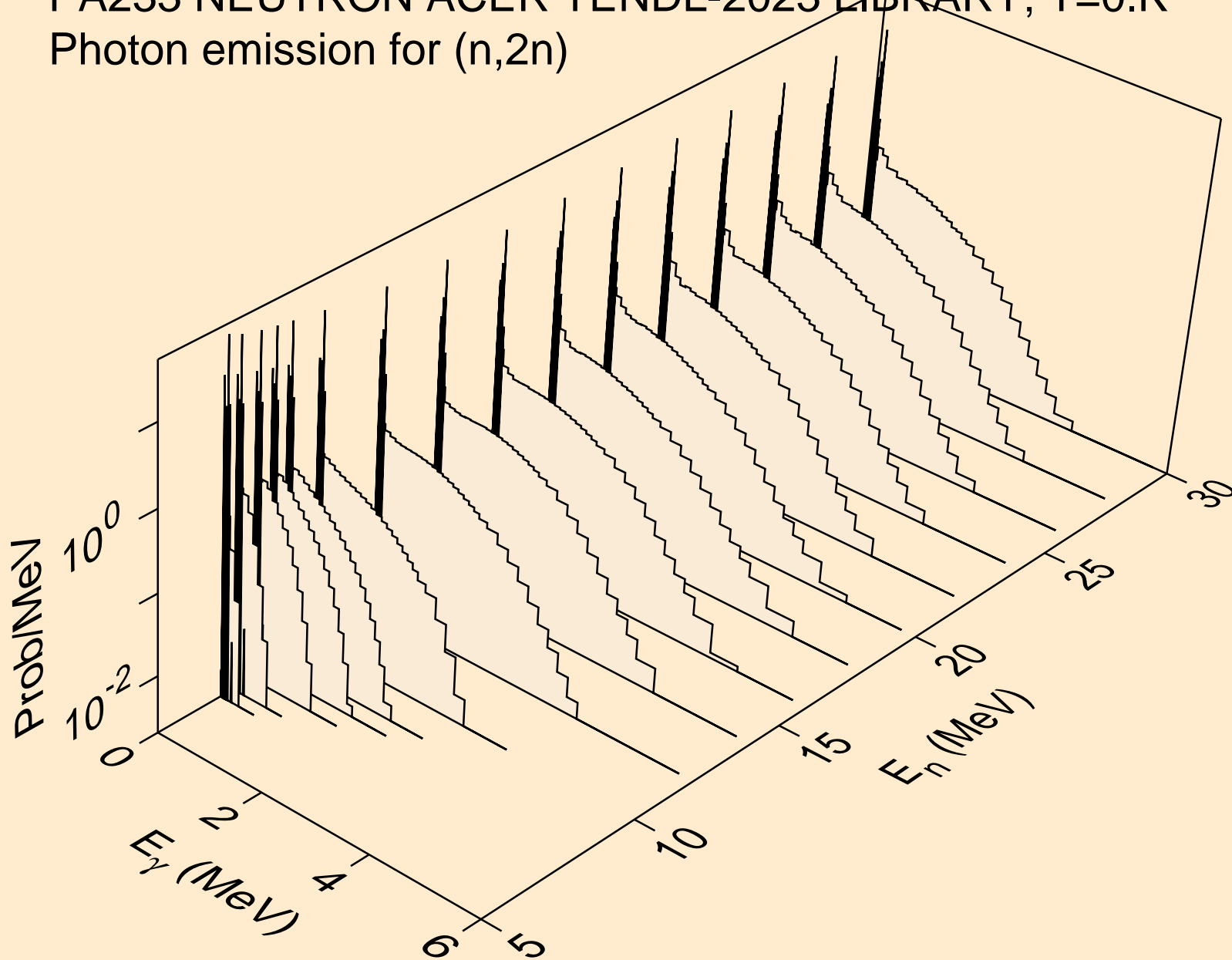
PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,x)



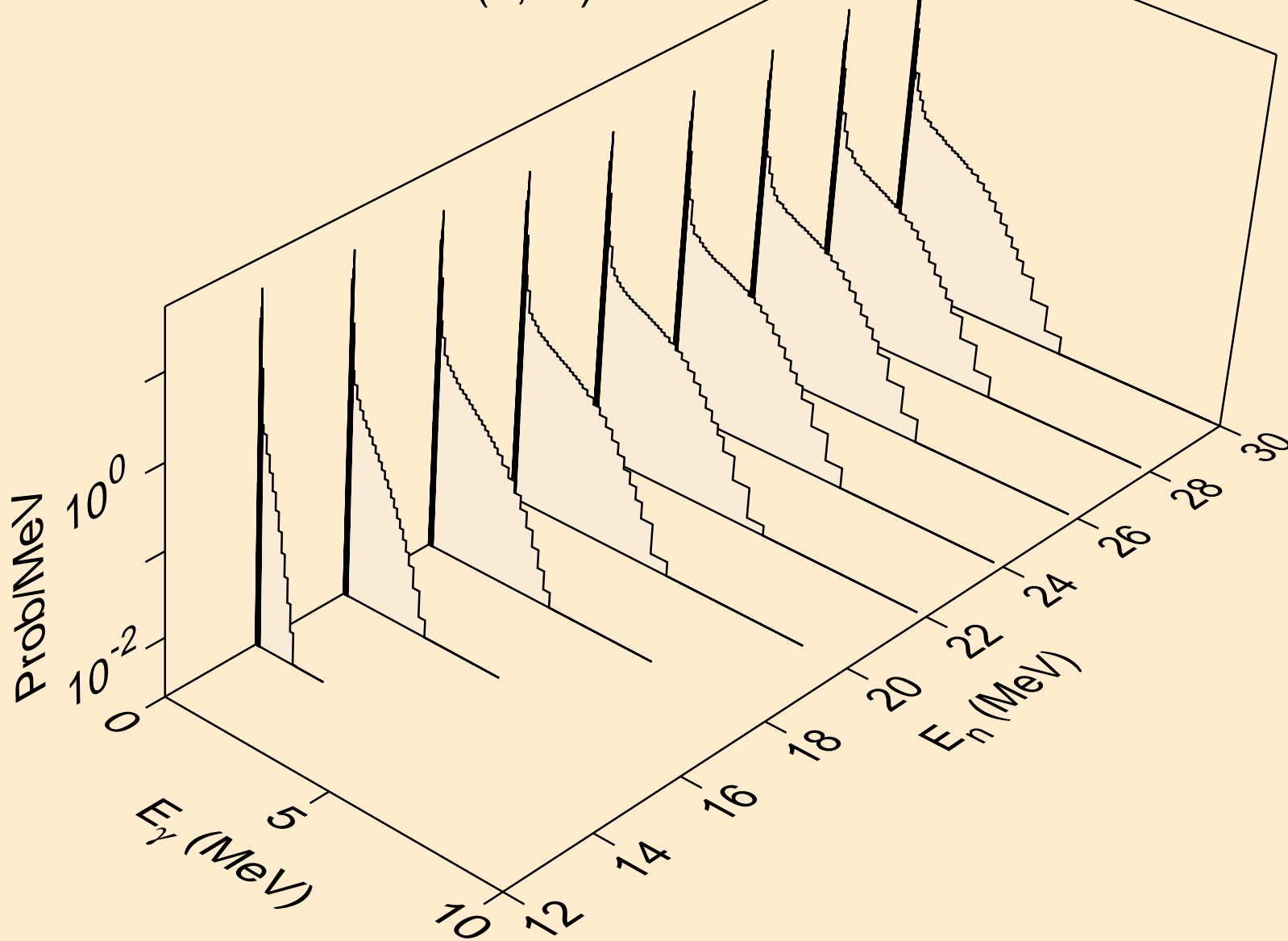
PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



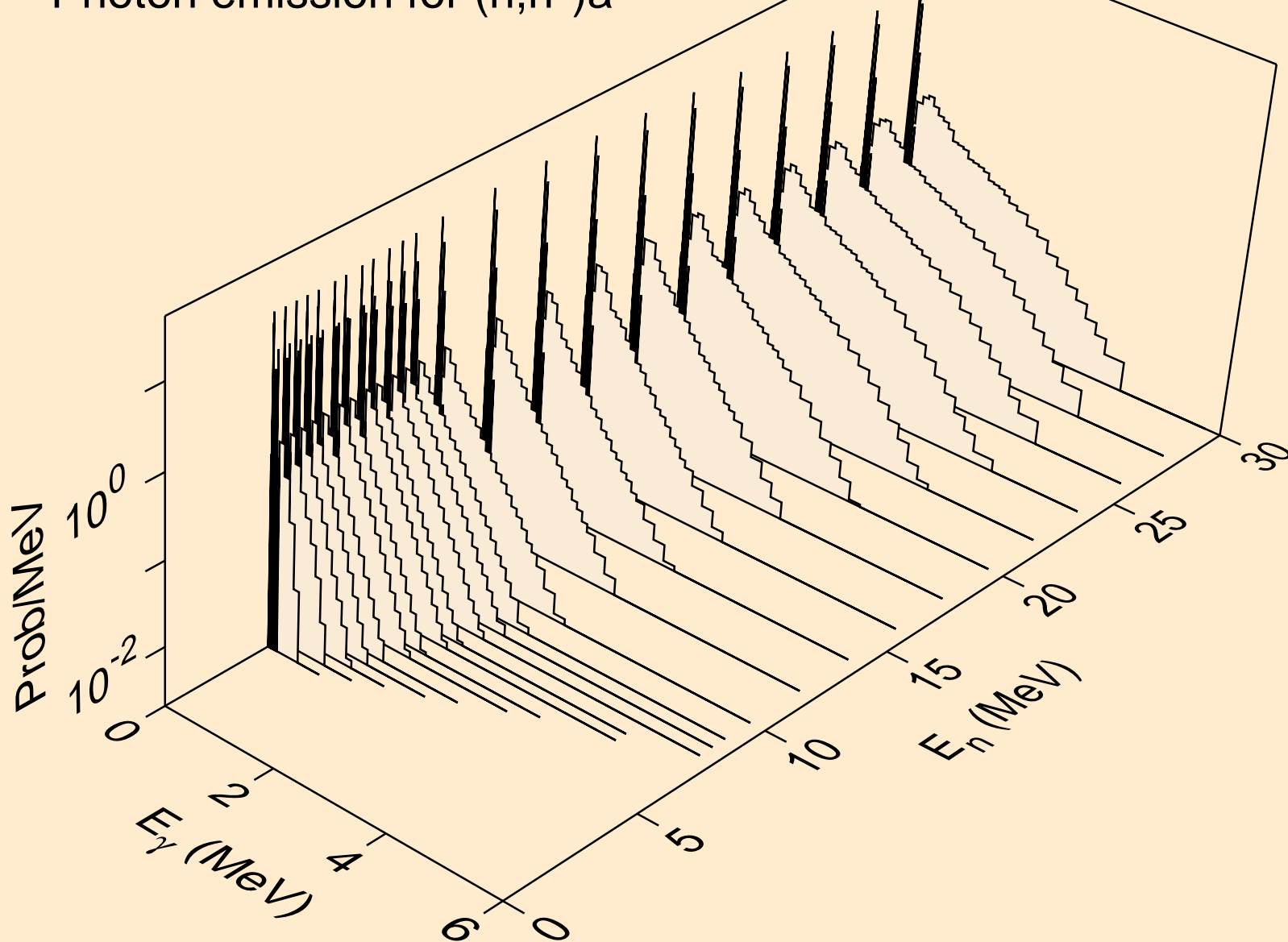
PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



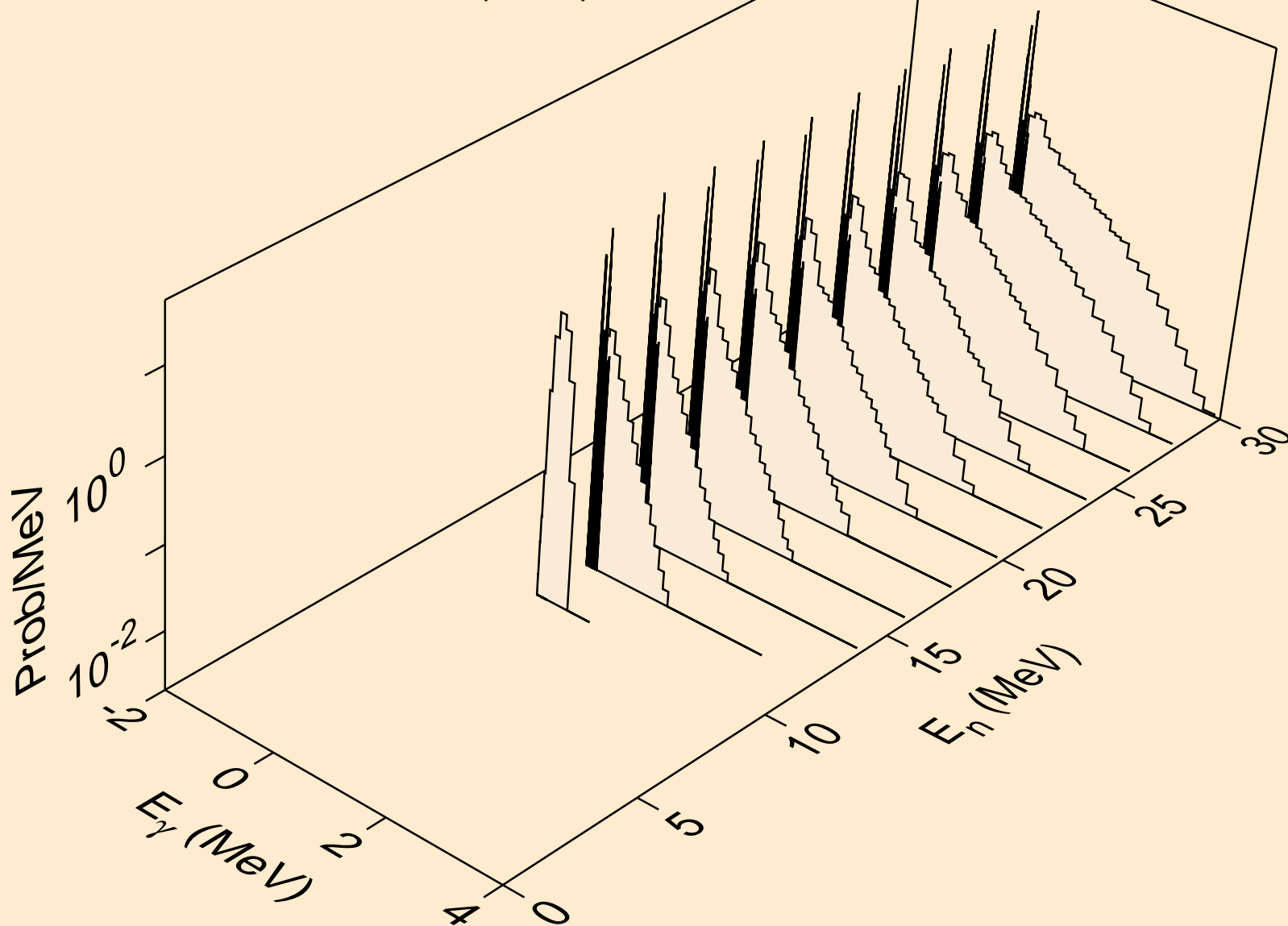
PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a

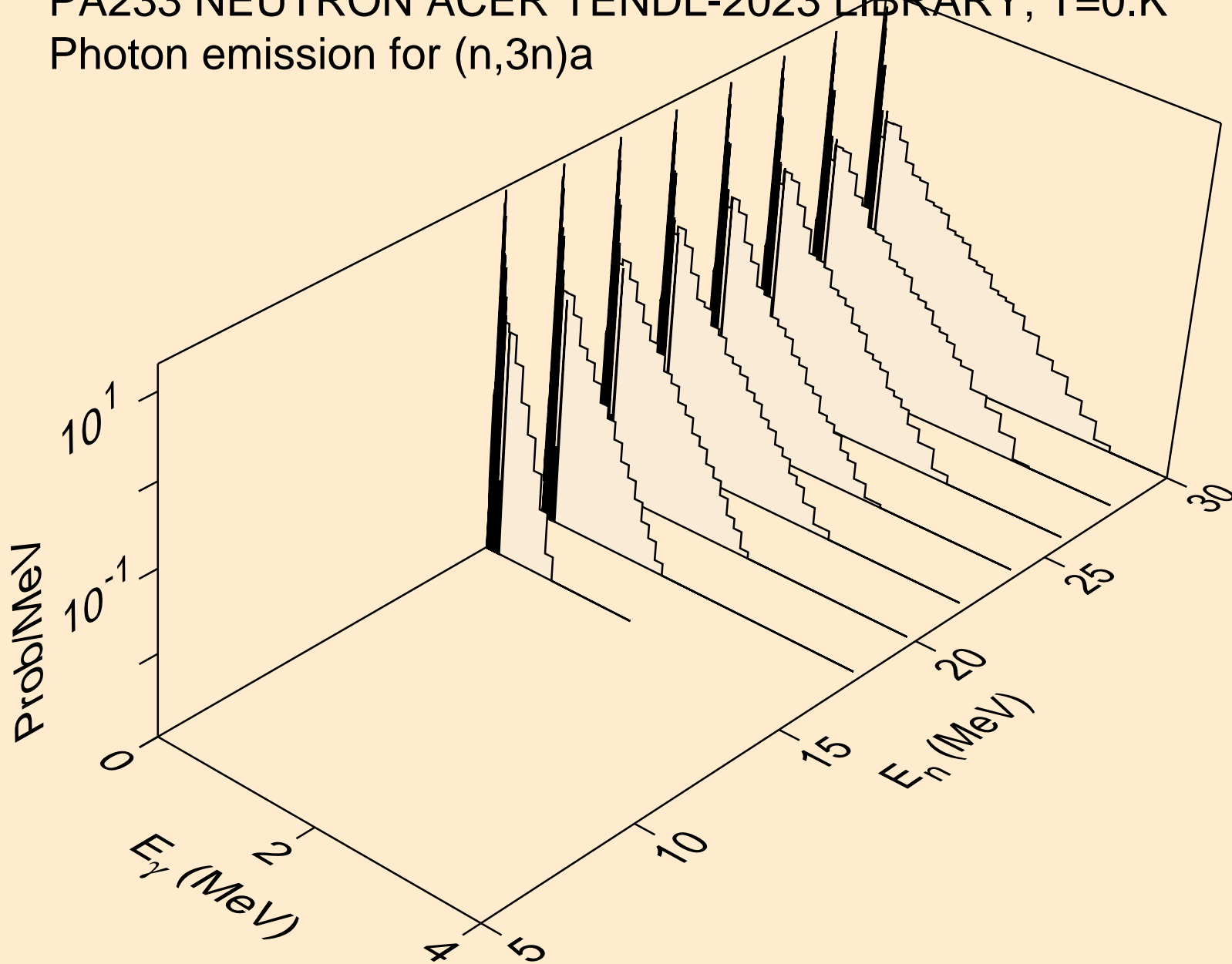


PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a

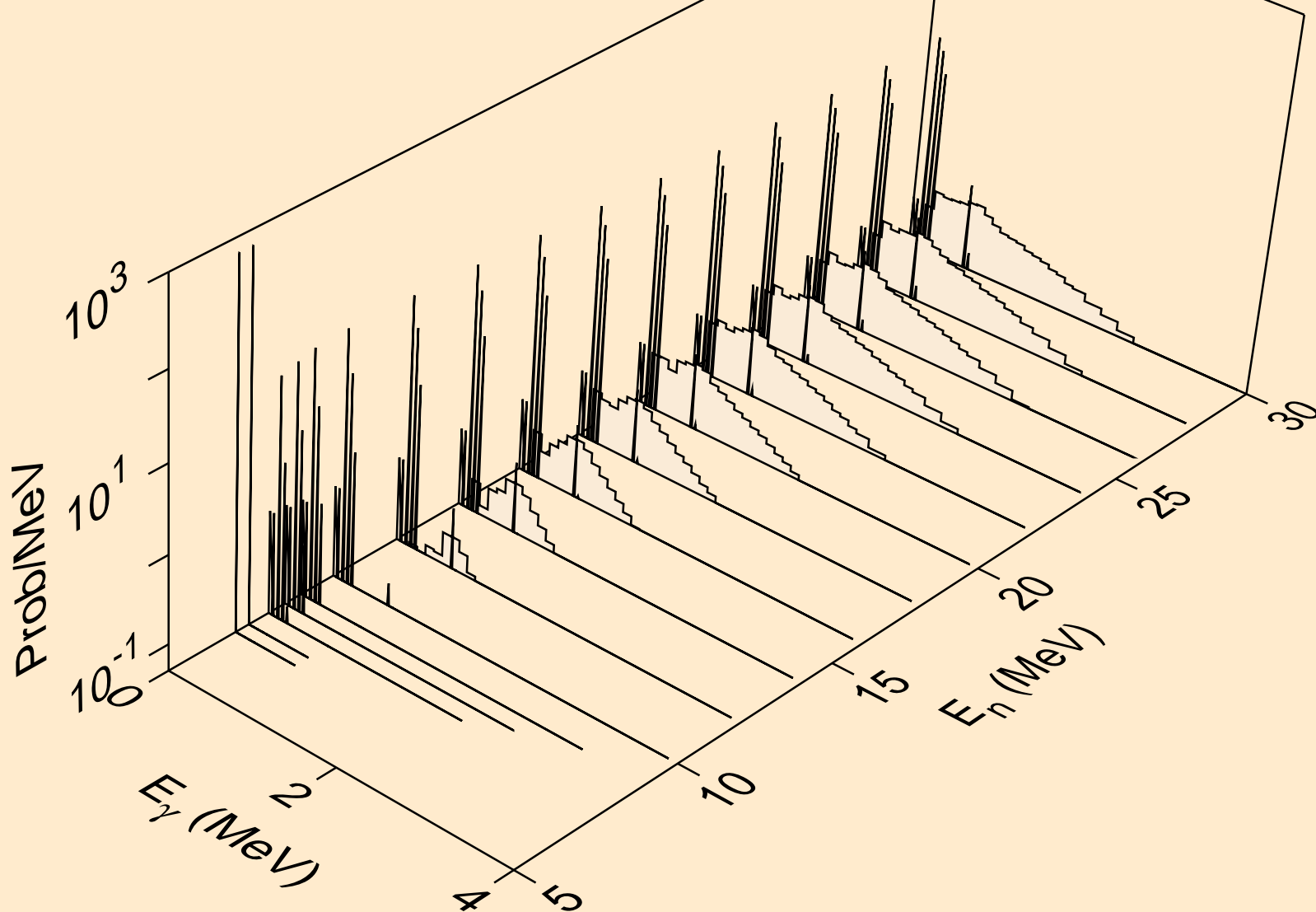




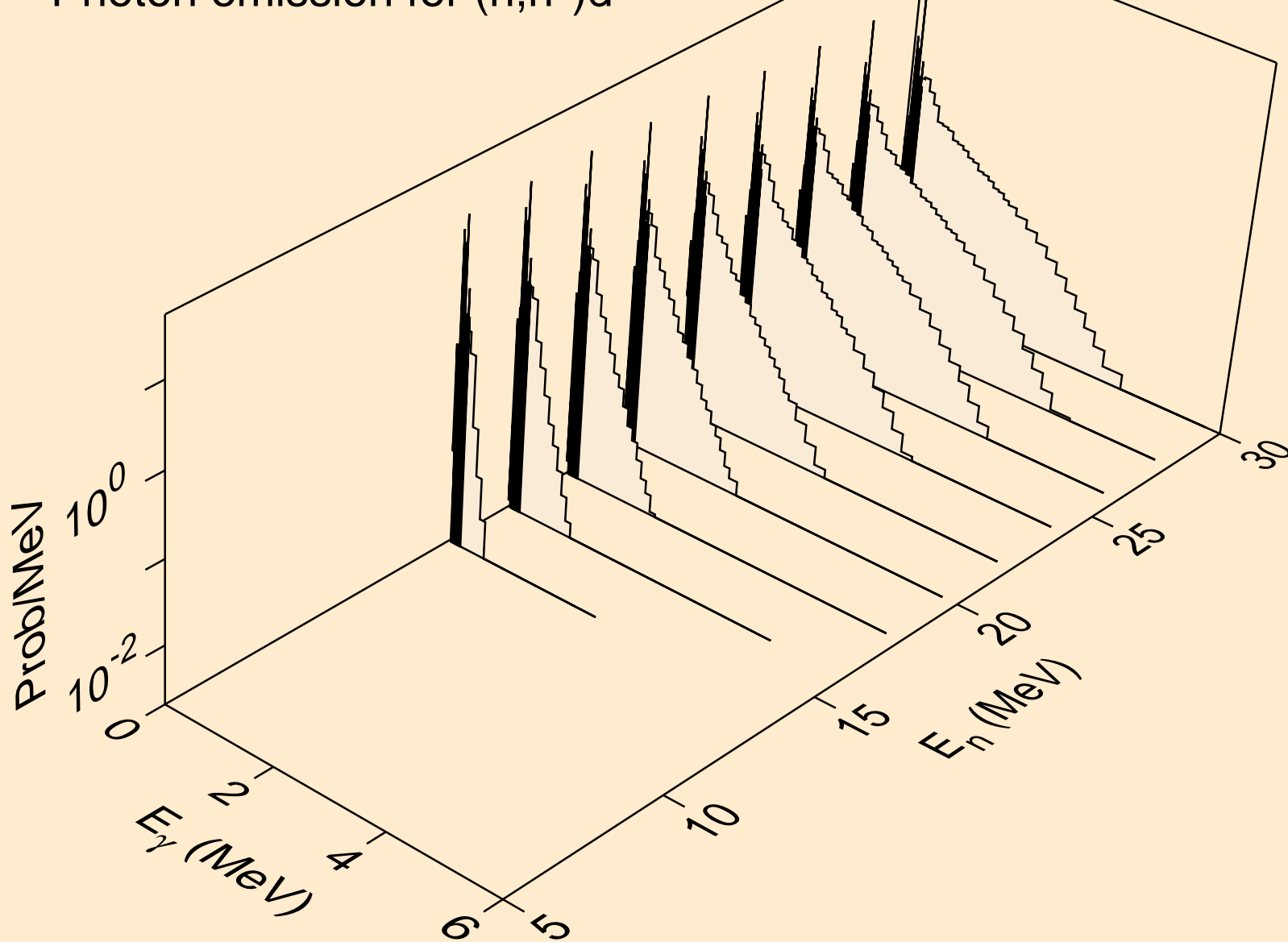
PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)a



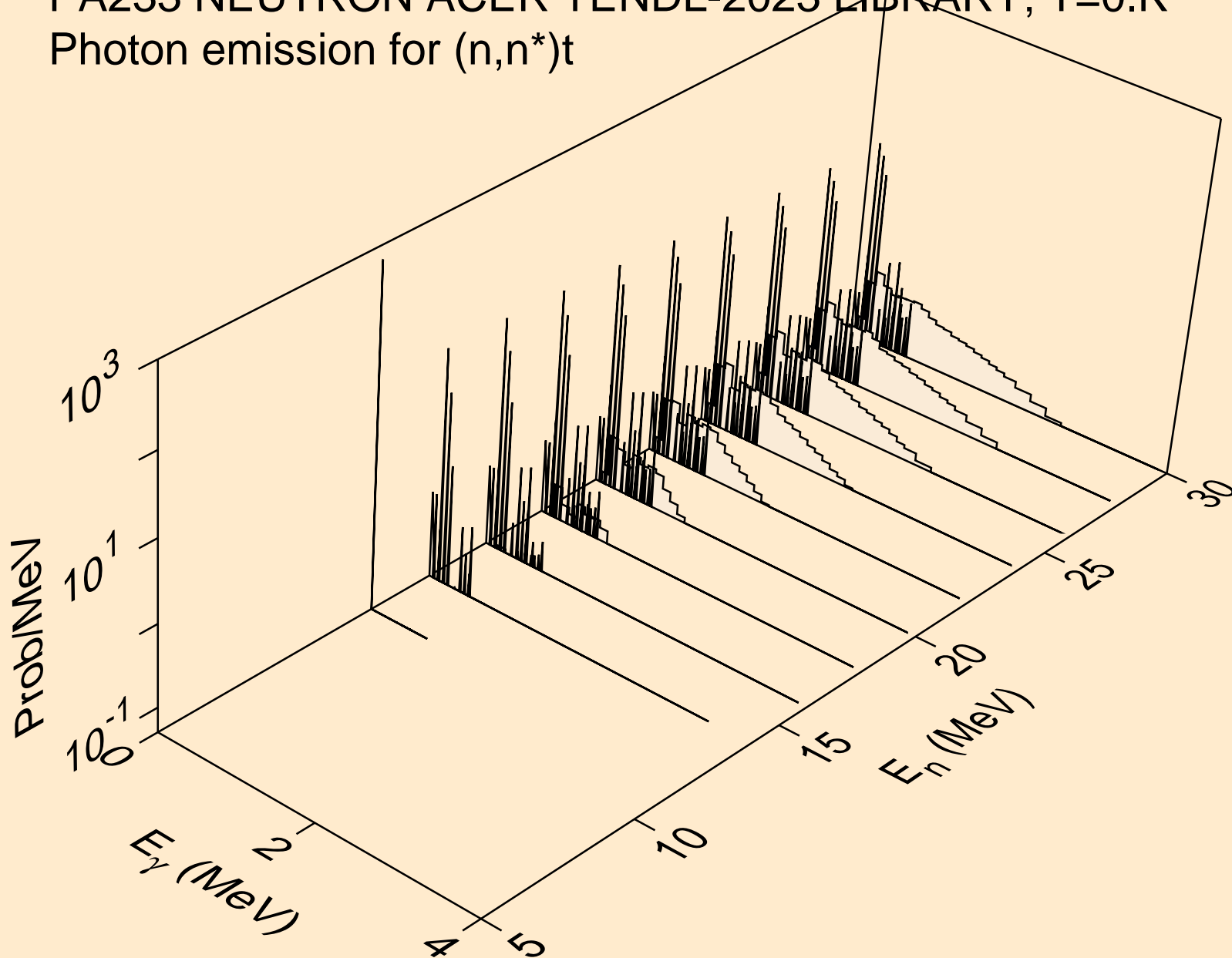
PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



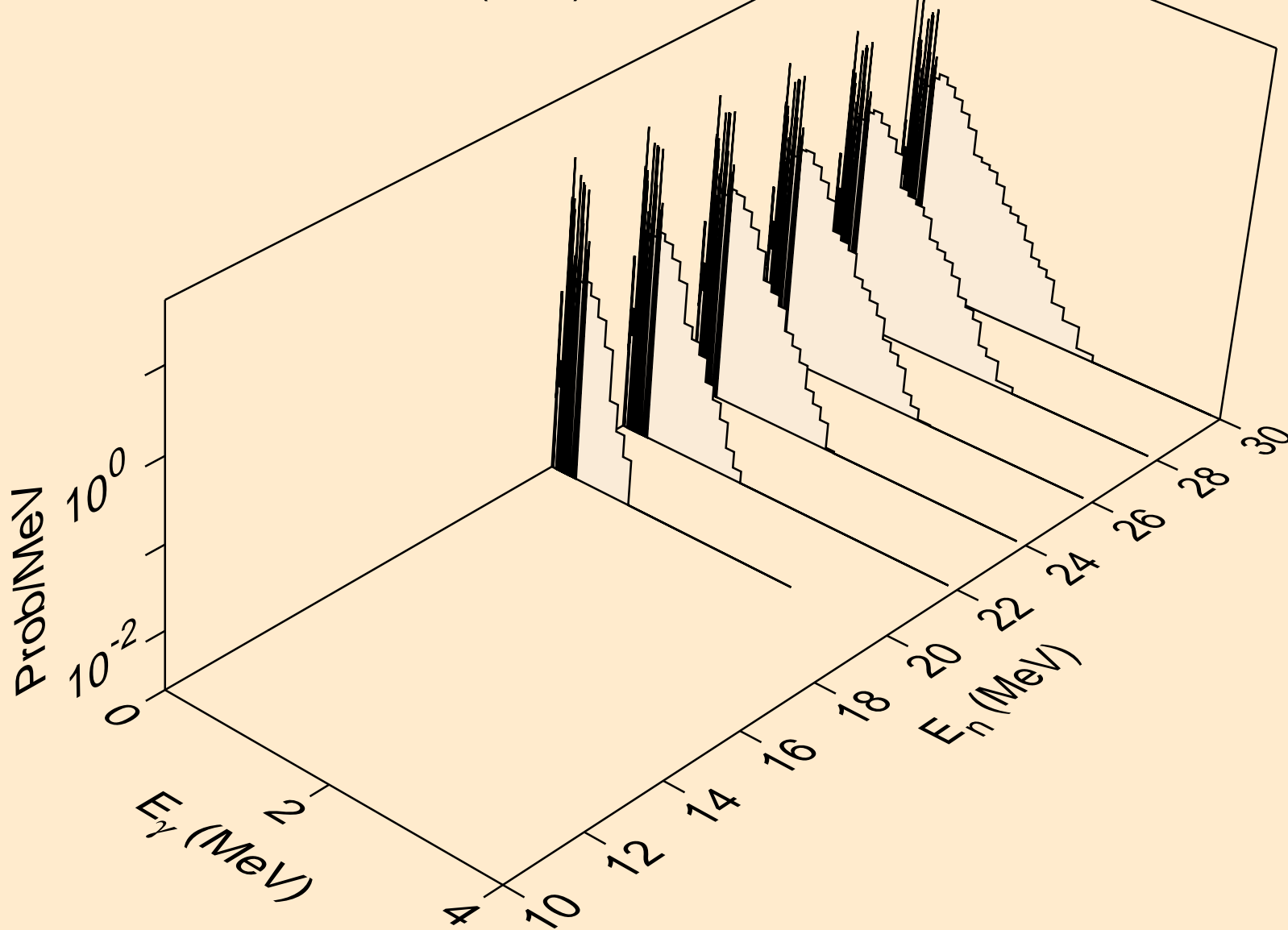
PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



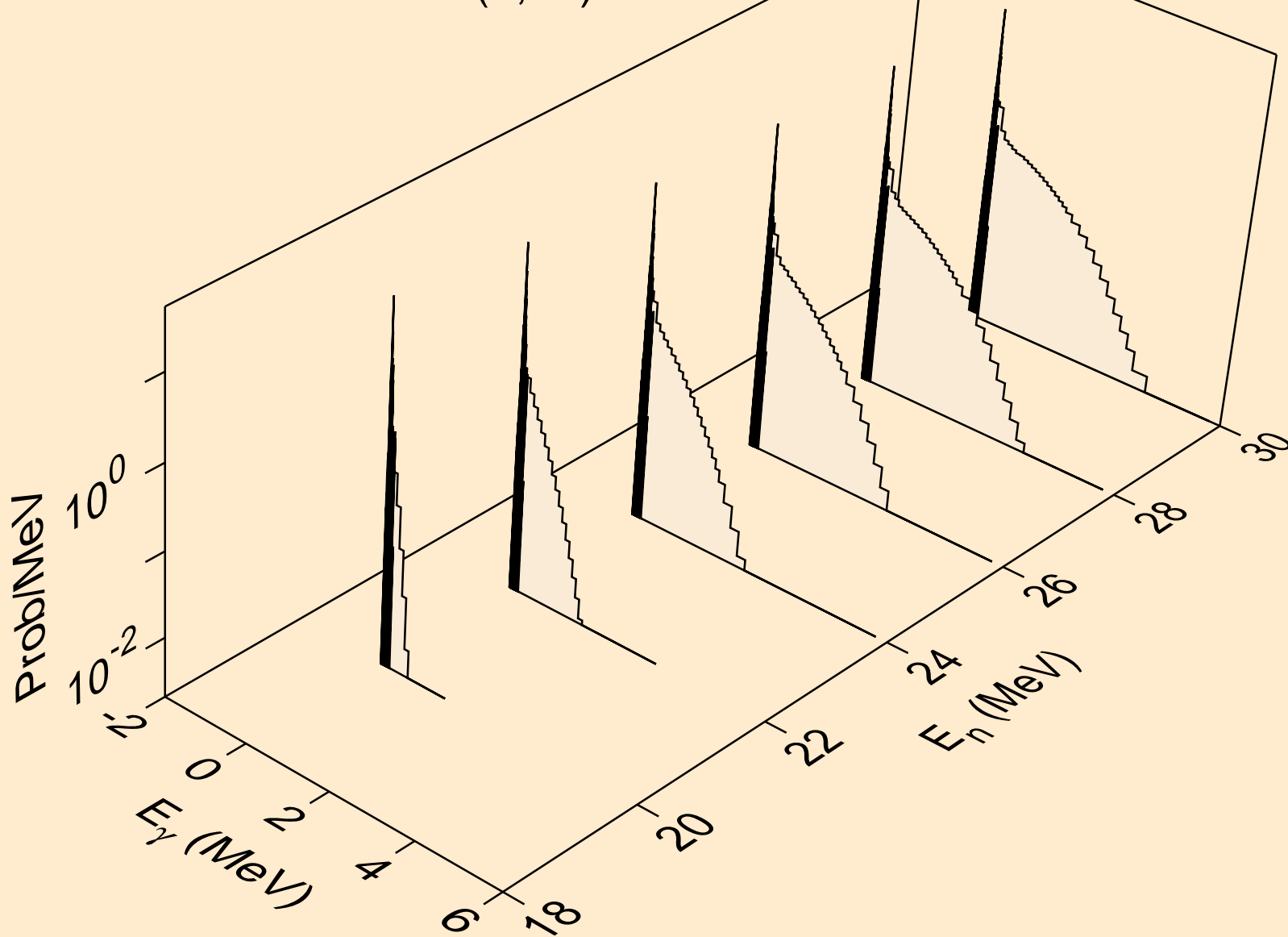
PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



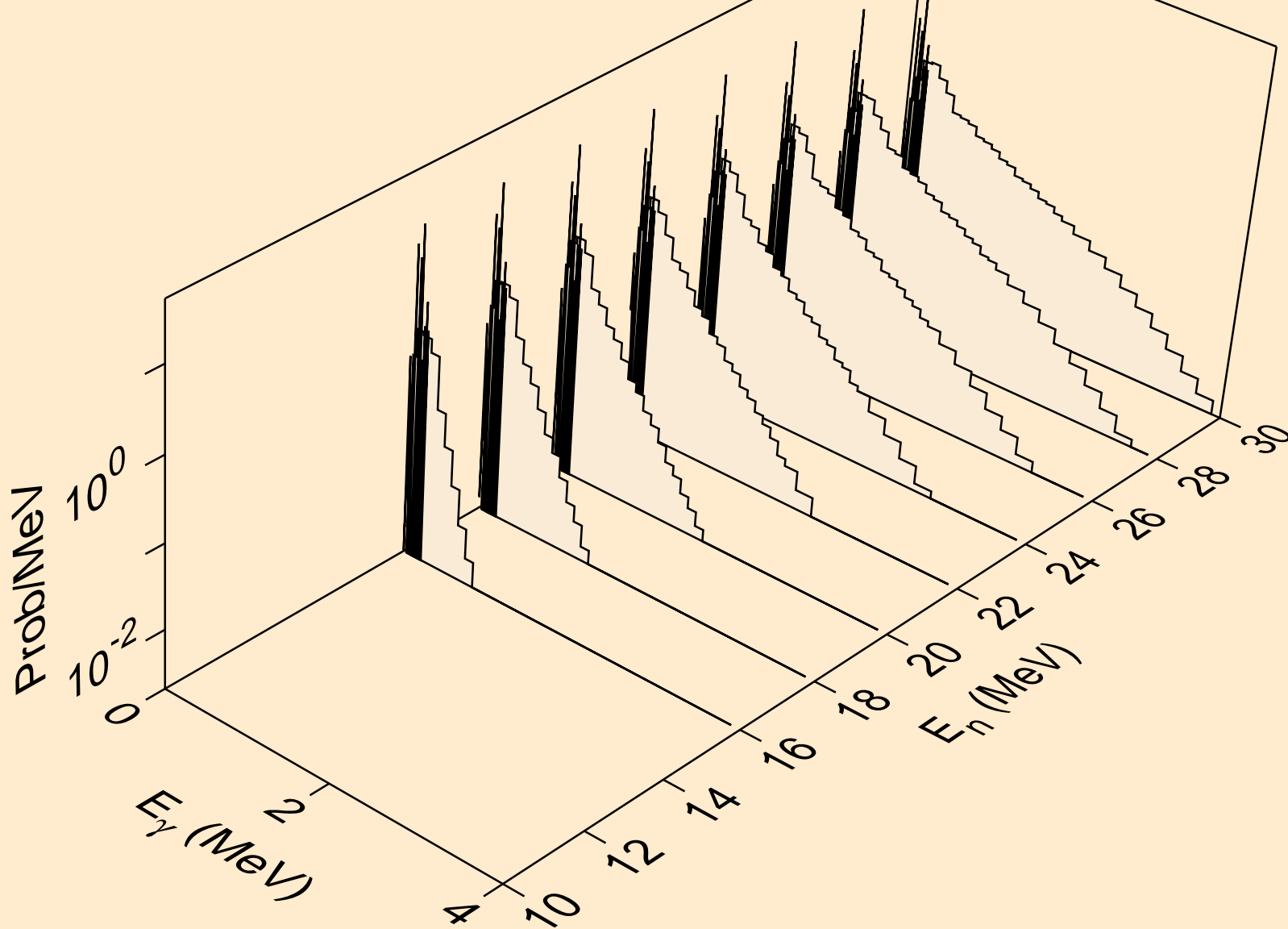
PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



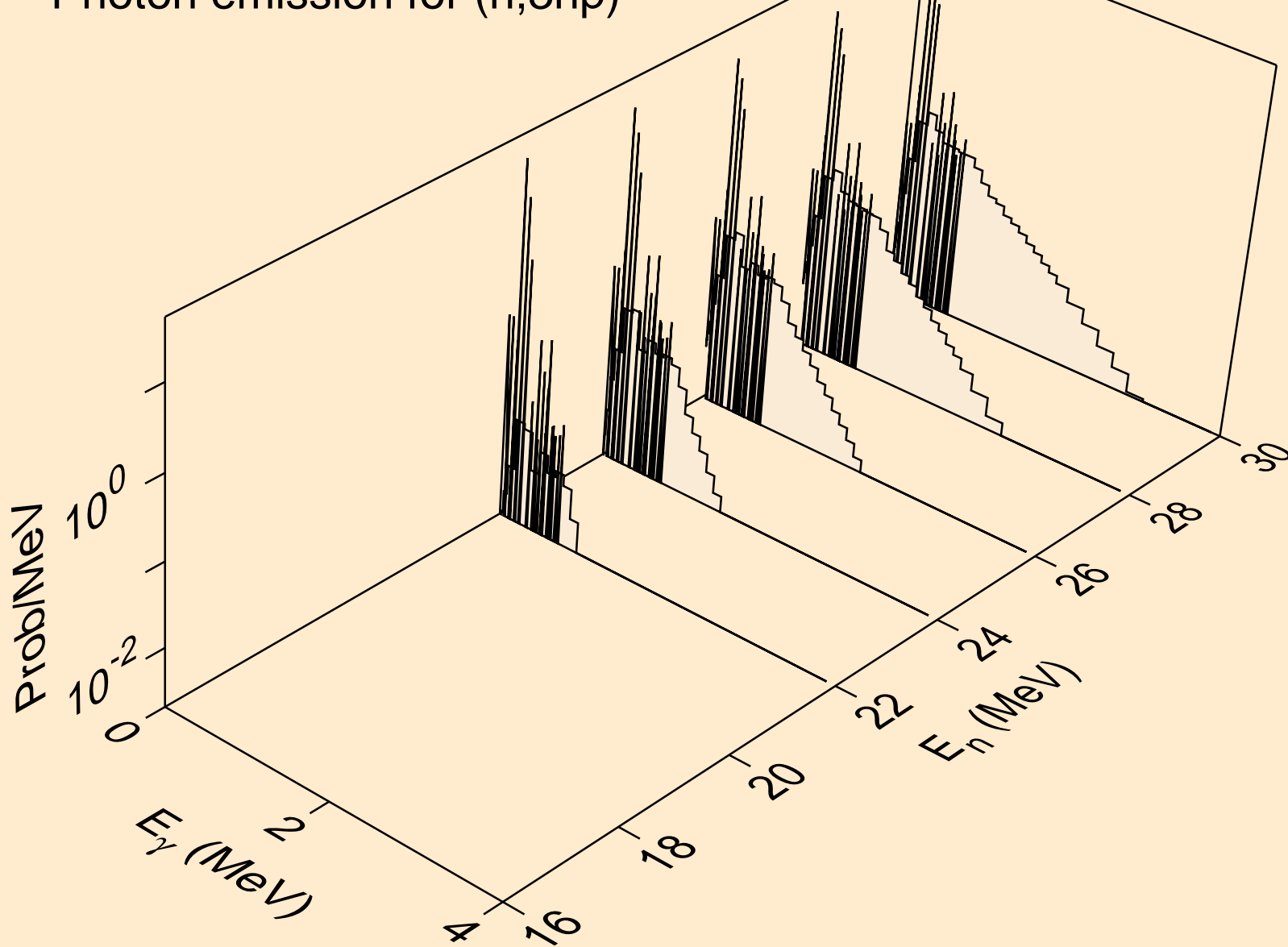
PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,4n)



PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)

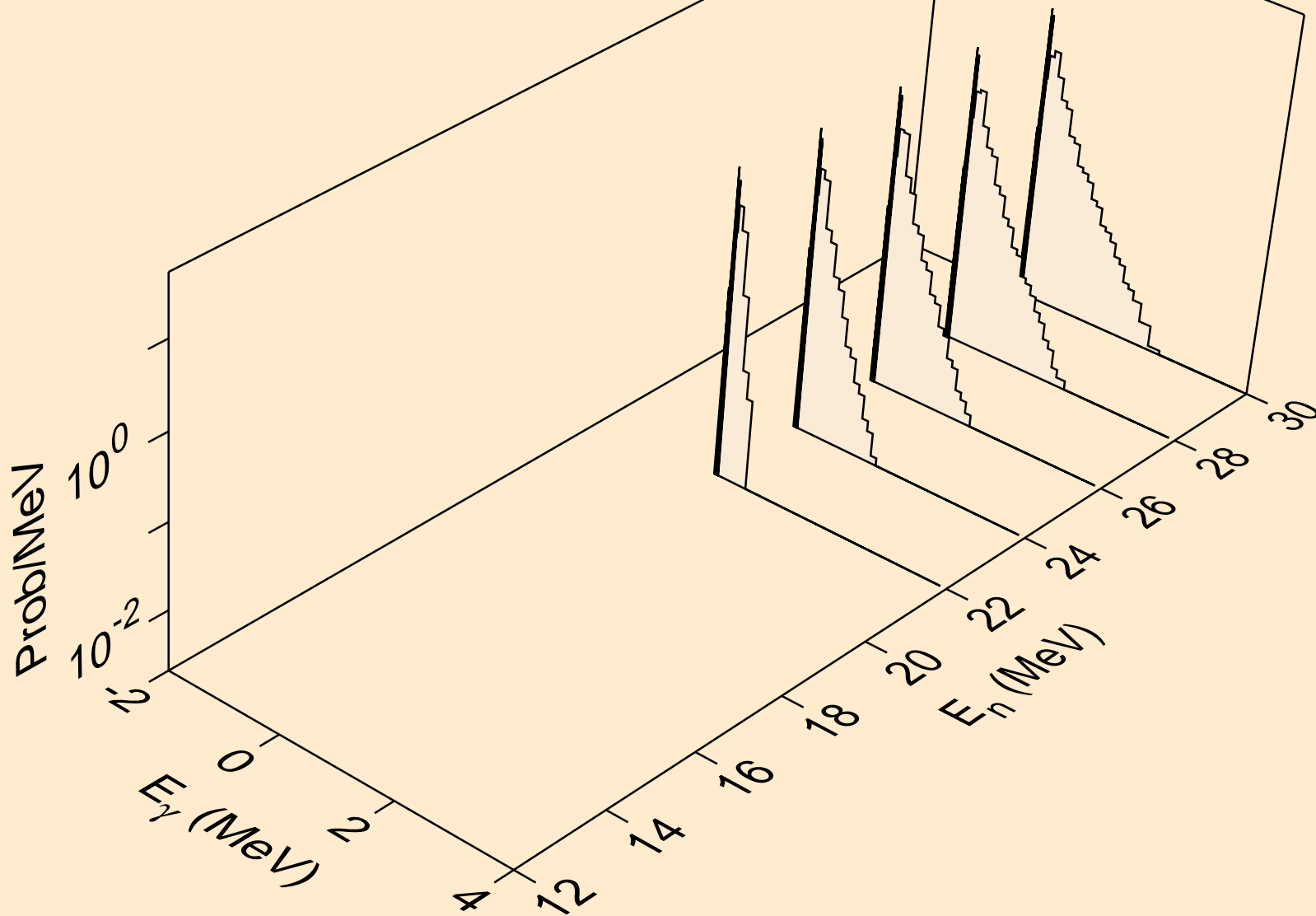


PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3np)

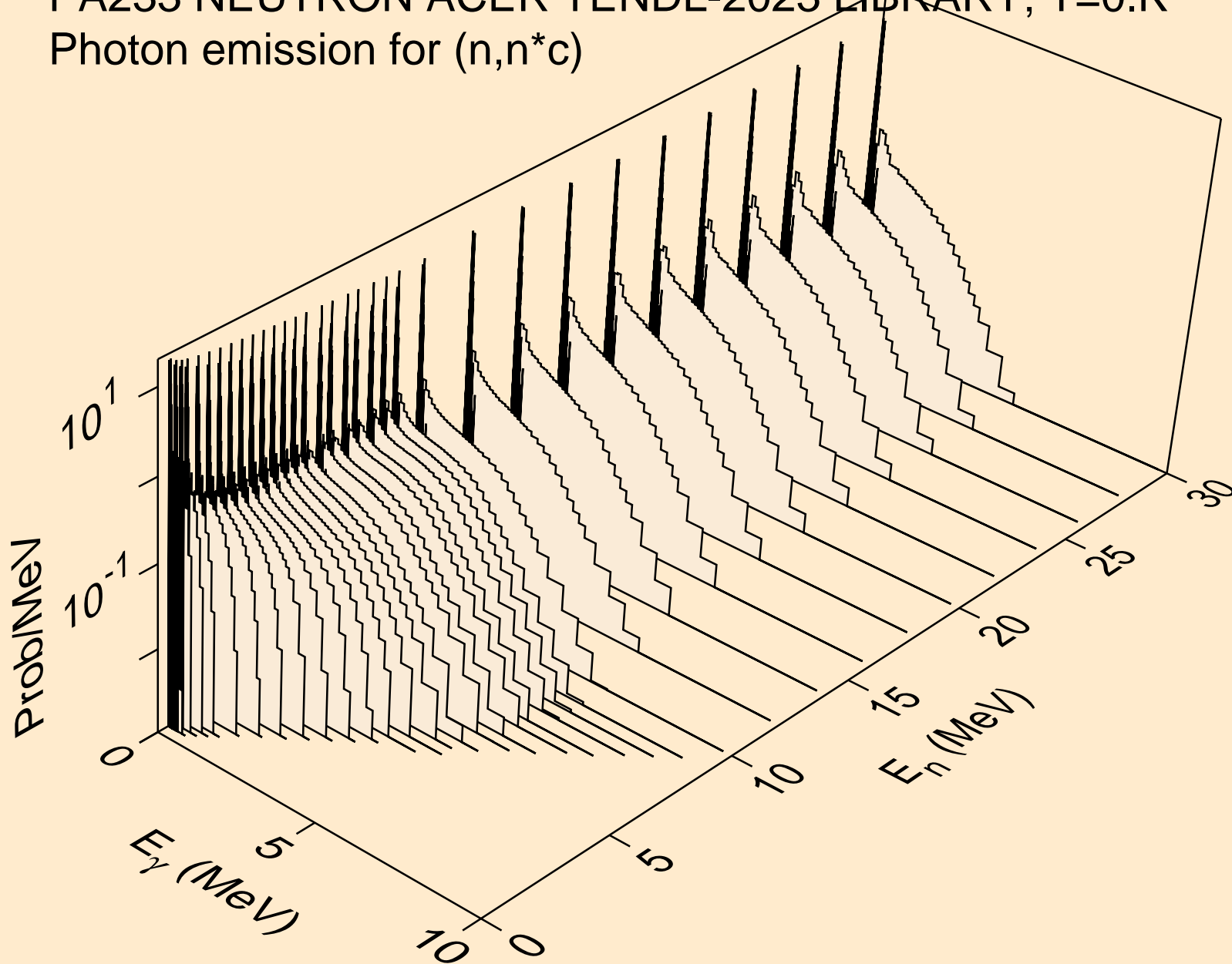




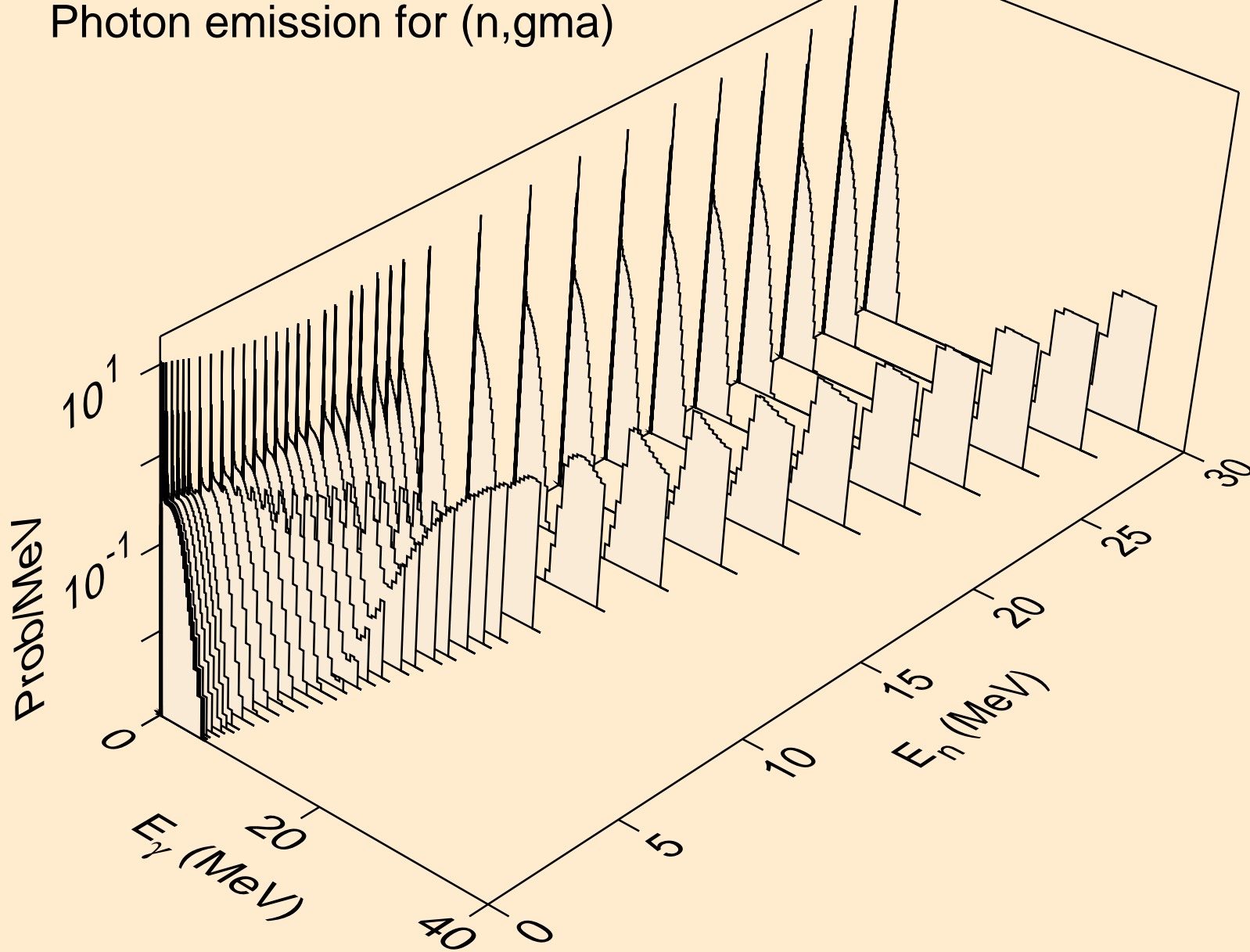
PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)



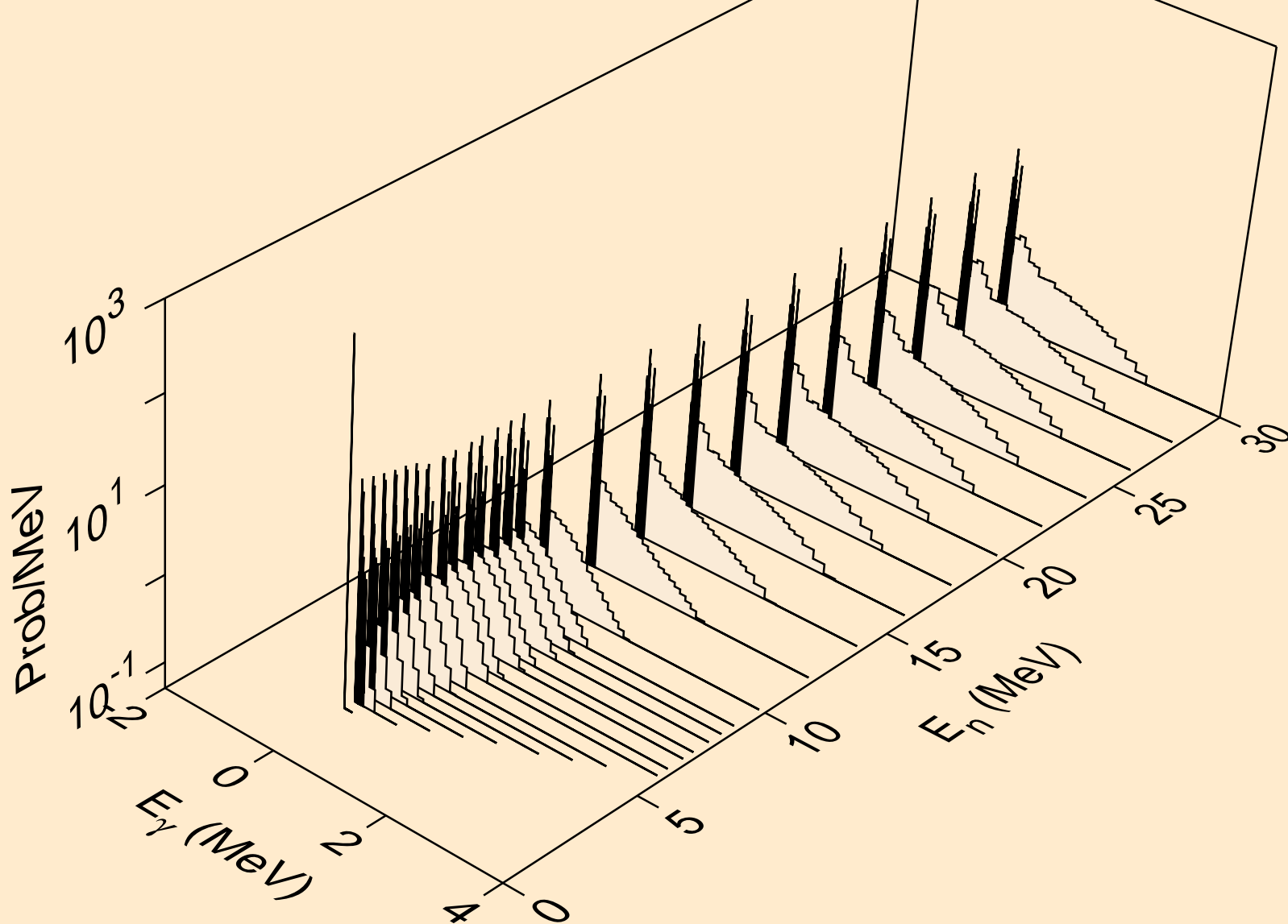
PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*c)



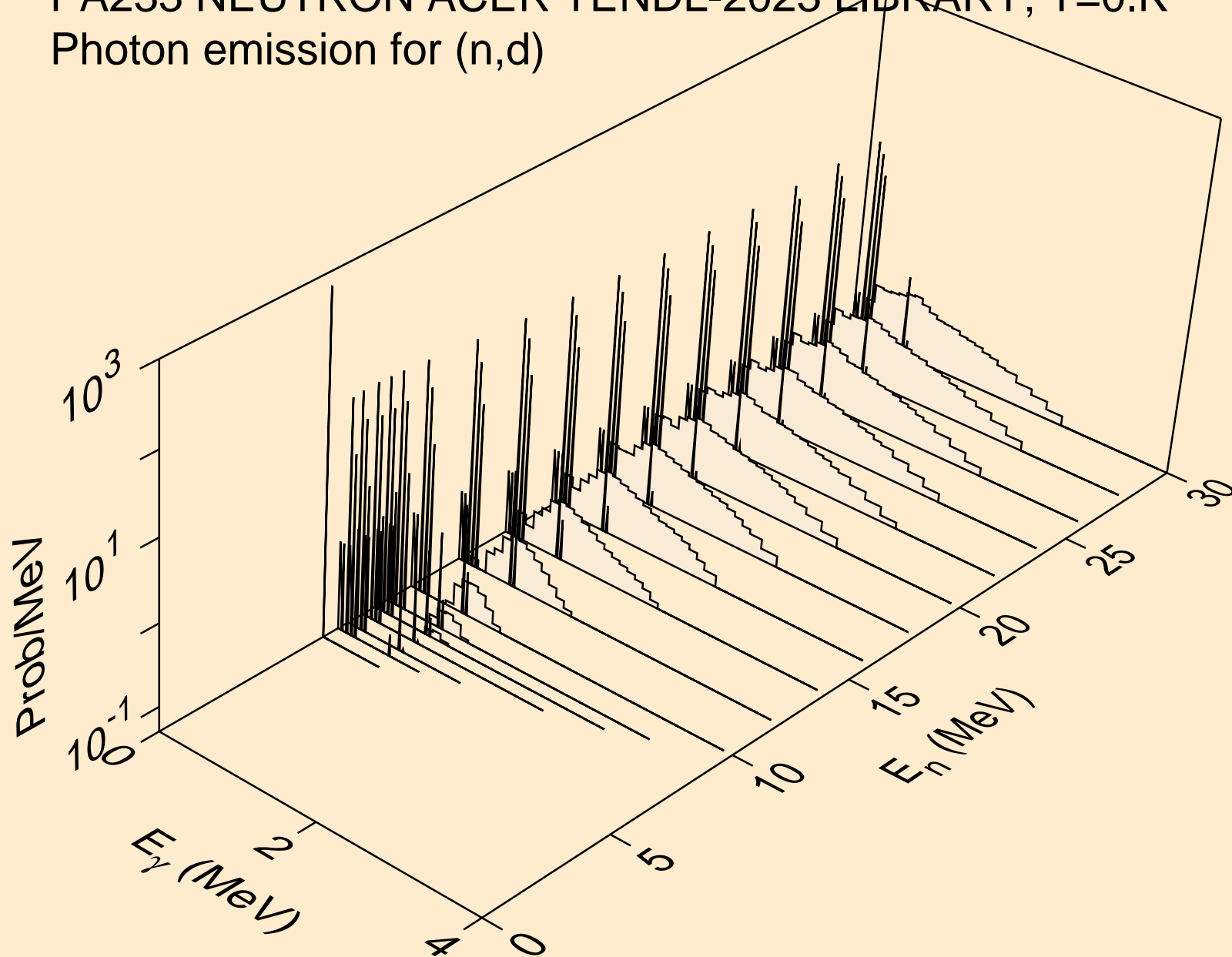
PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)



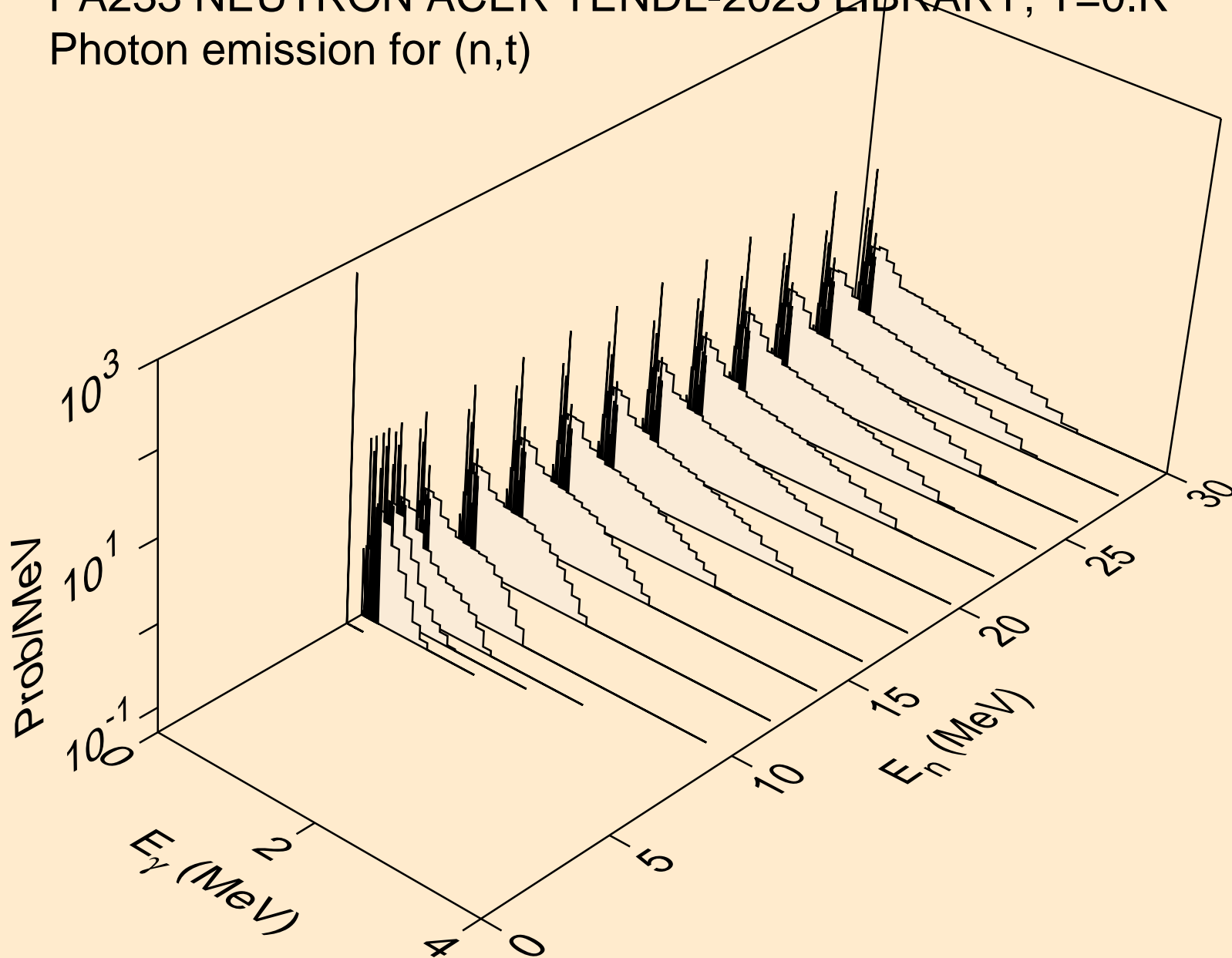
PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)



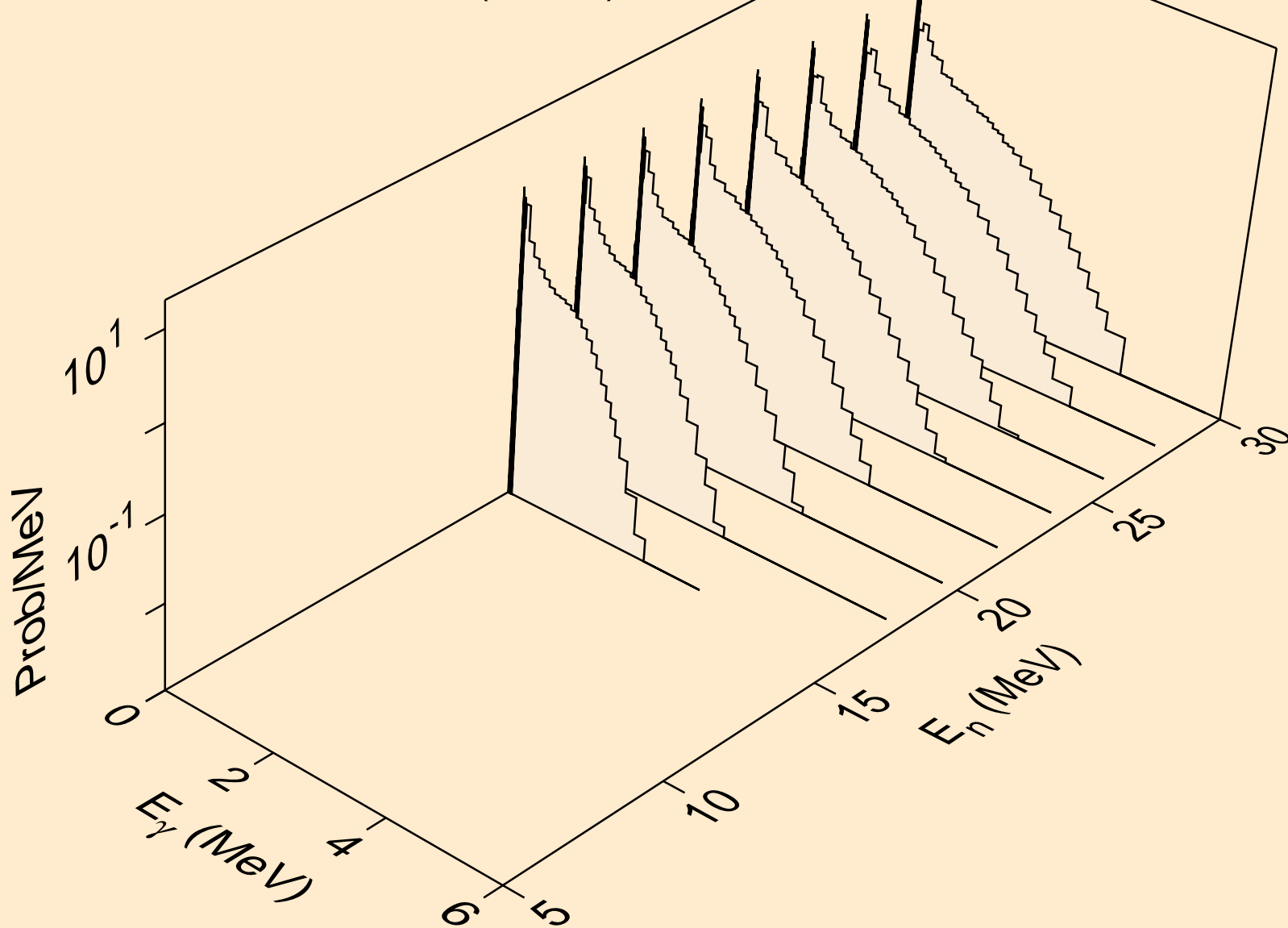
PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)



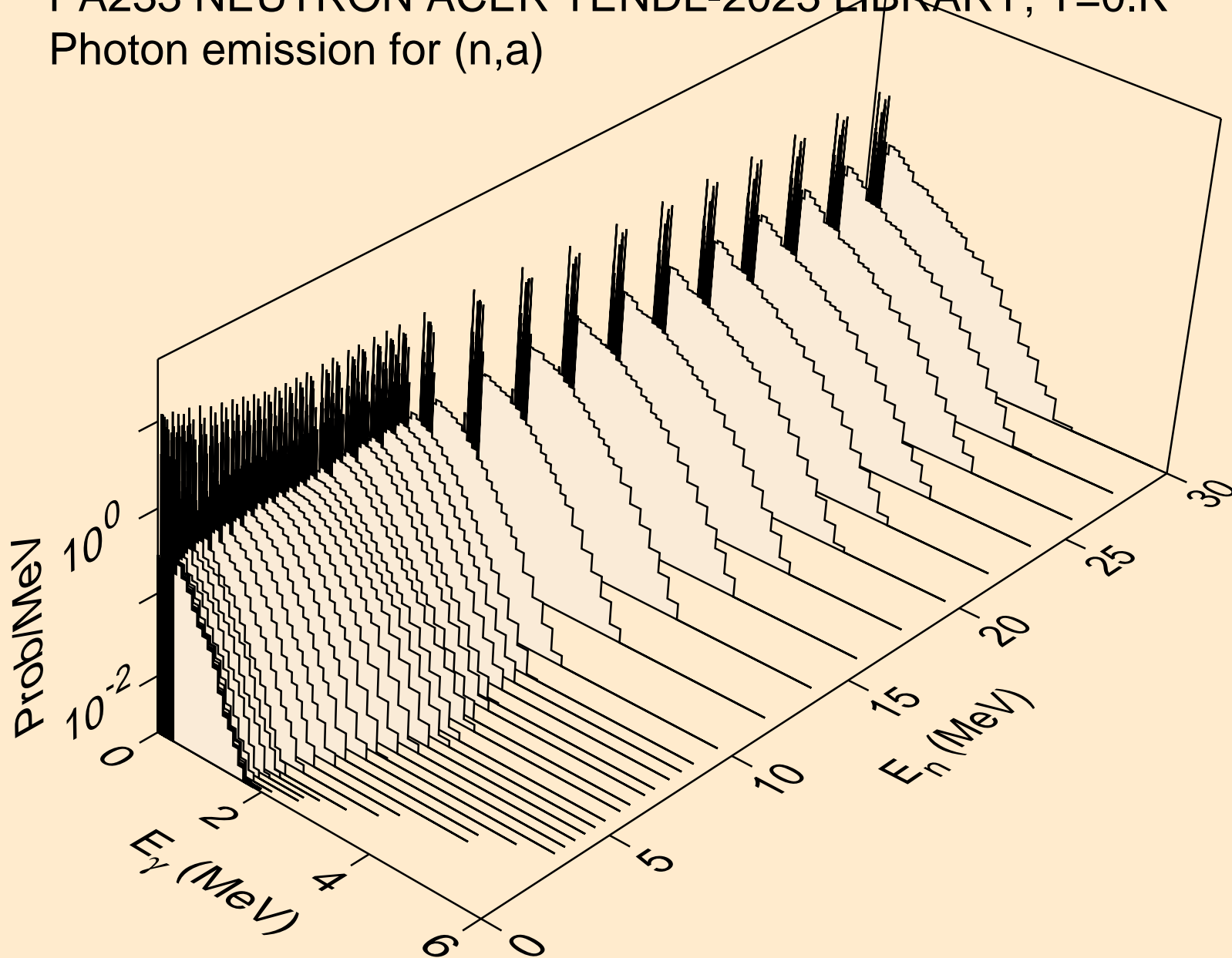
PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)



PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)

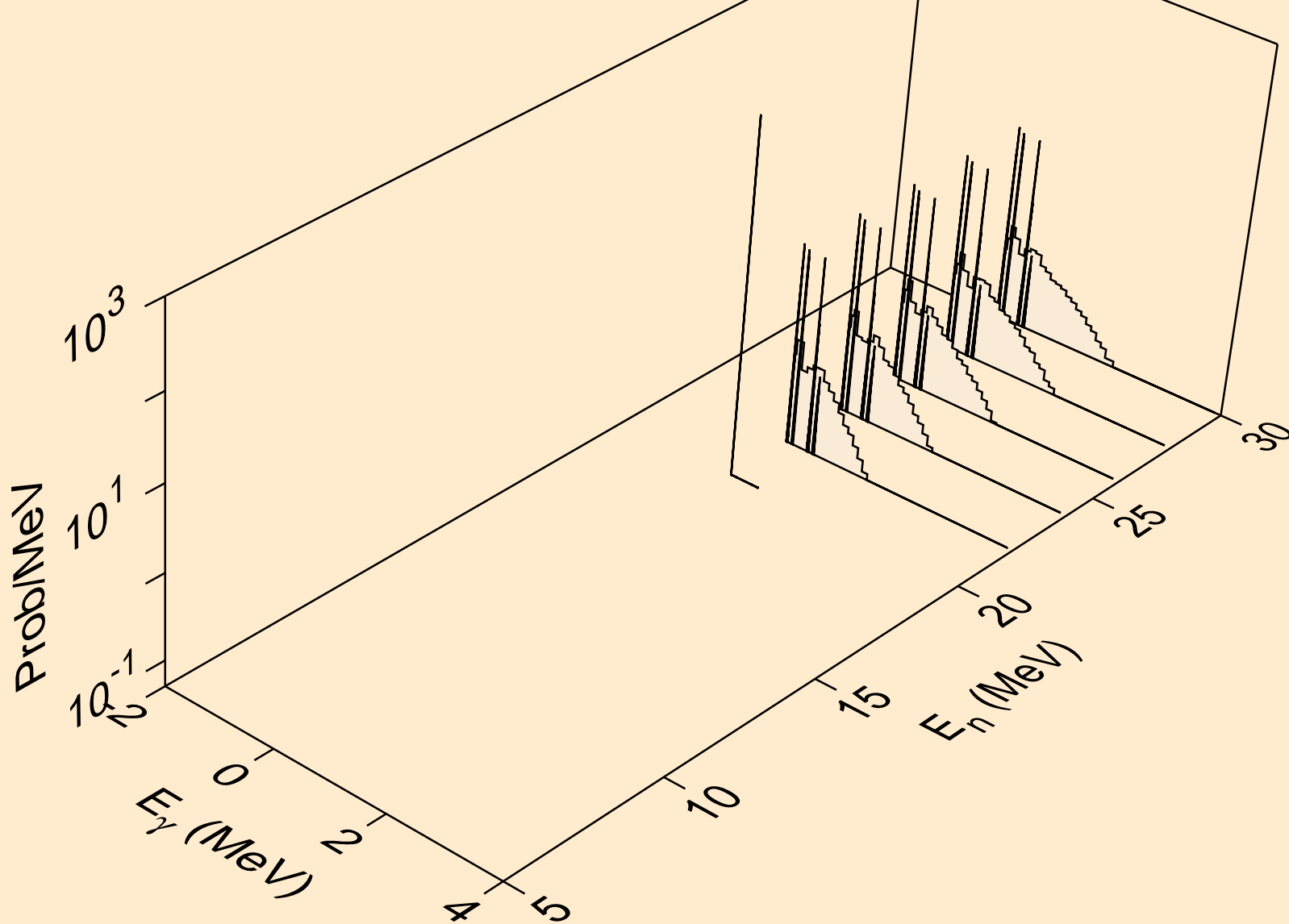


PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)

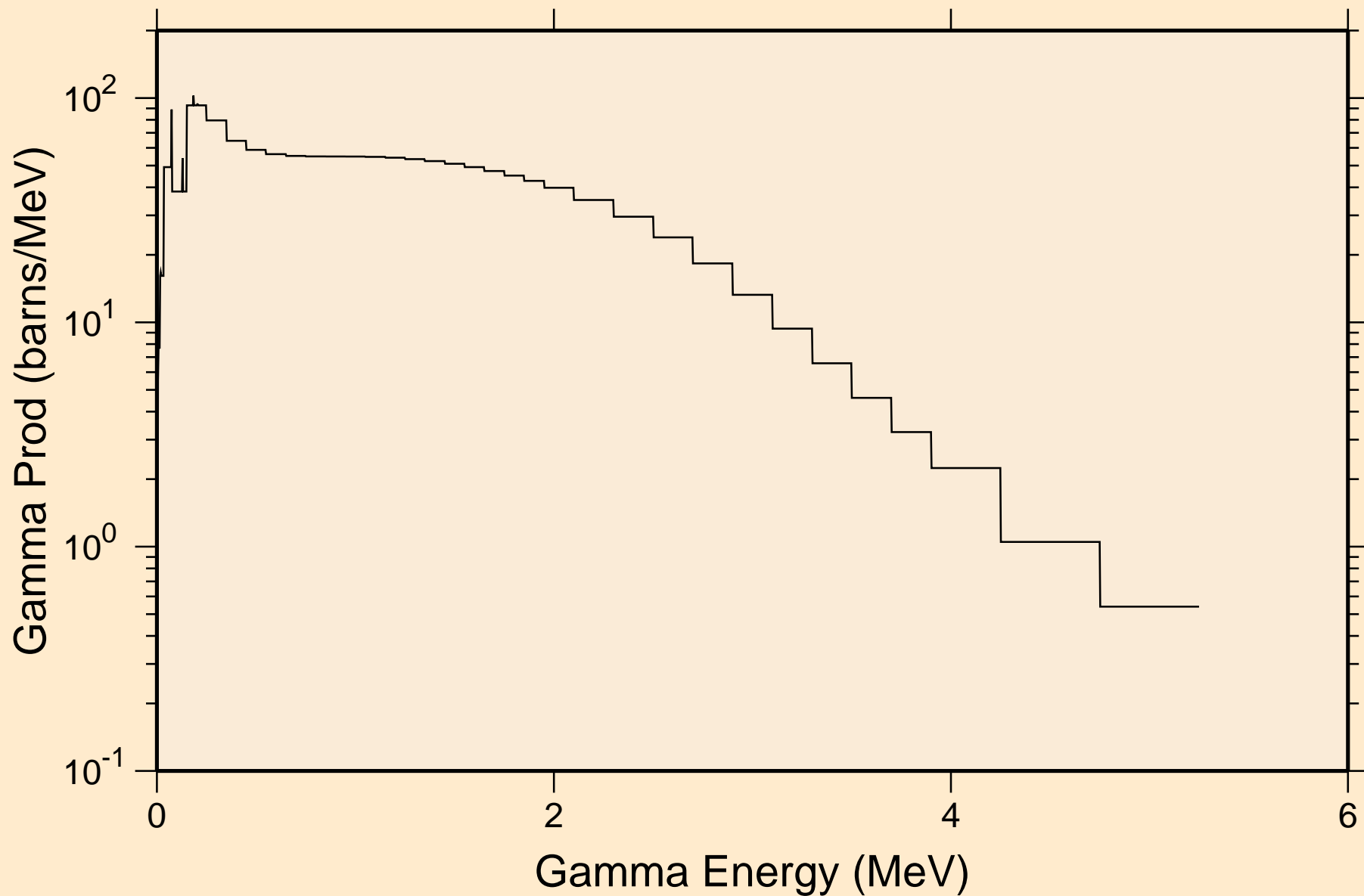




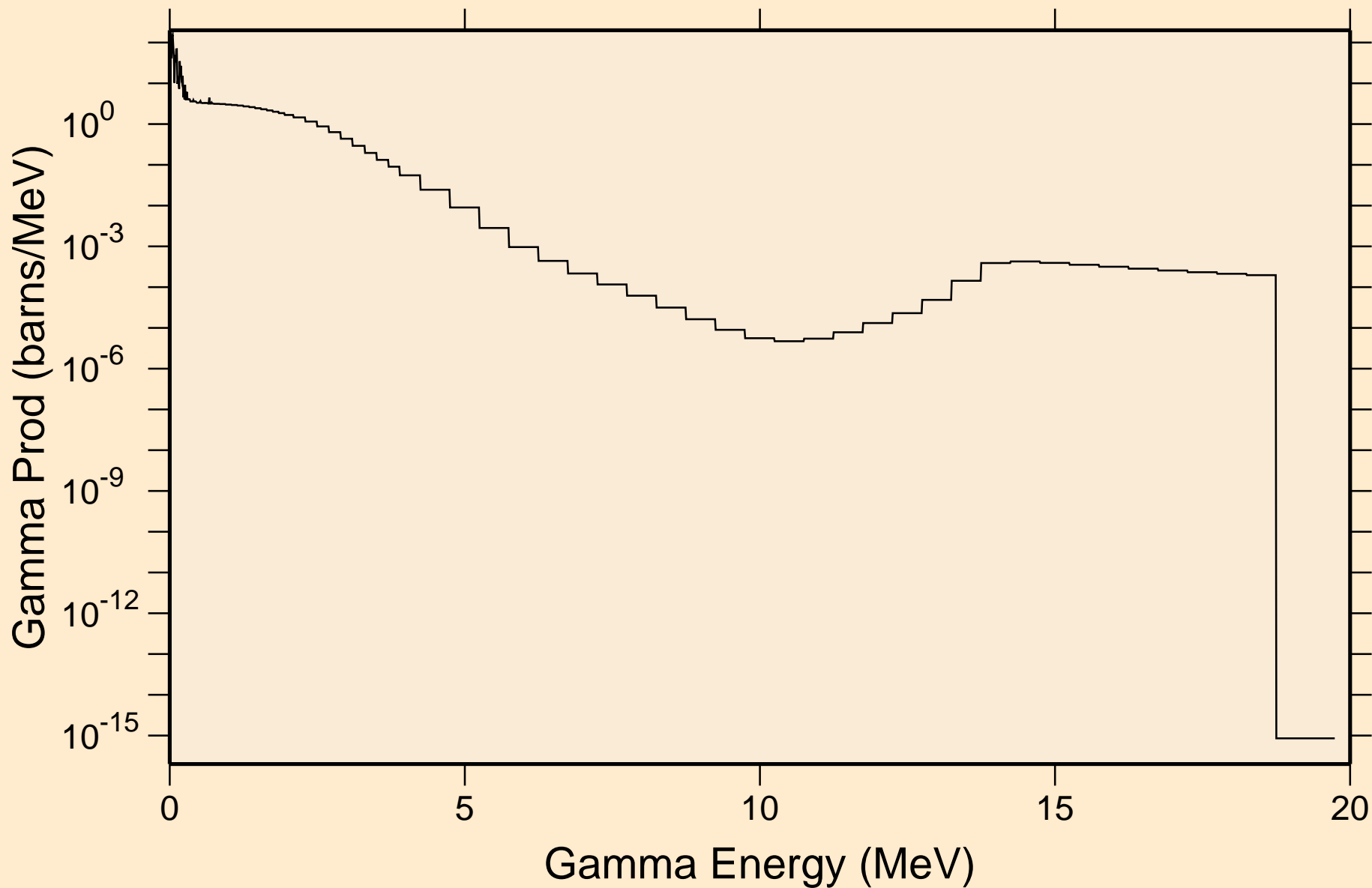
PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)



PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
thermal capture photon spectrum

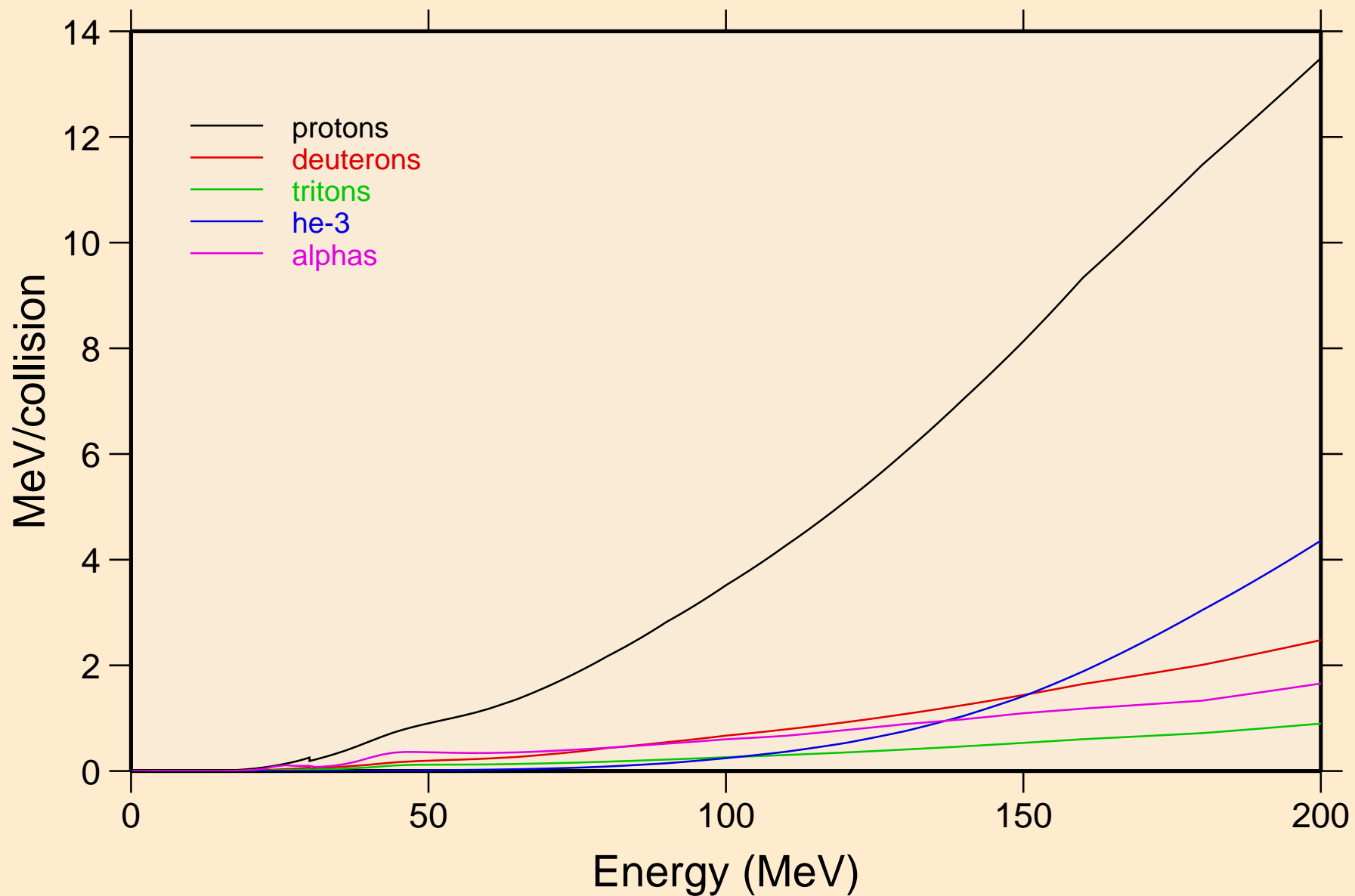


PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
14 MeV photon spectrum

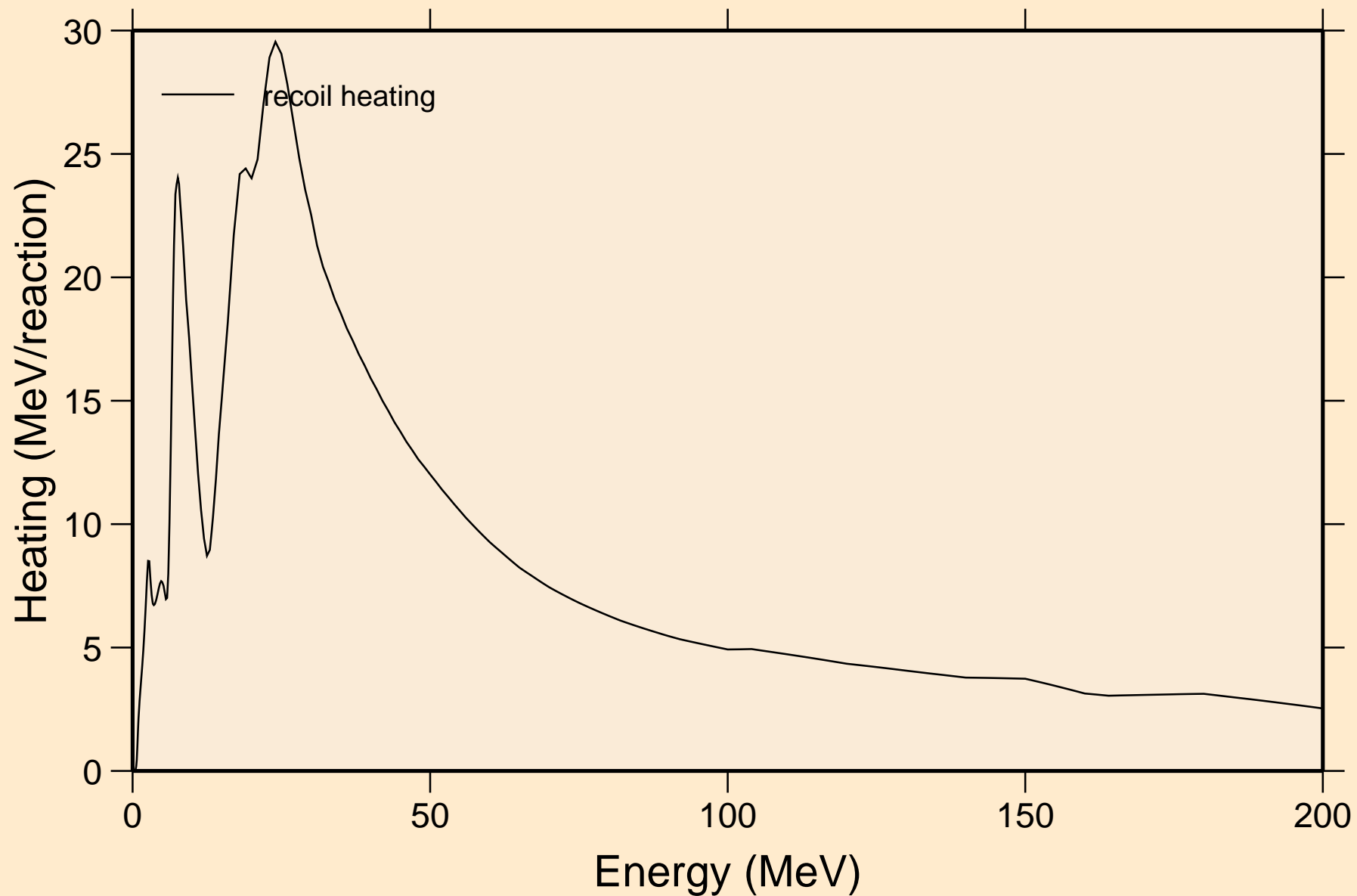


# PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

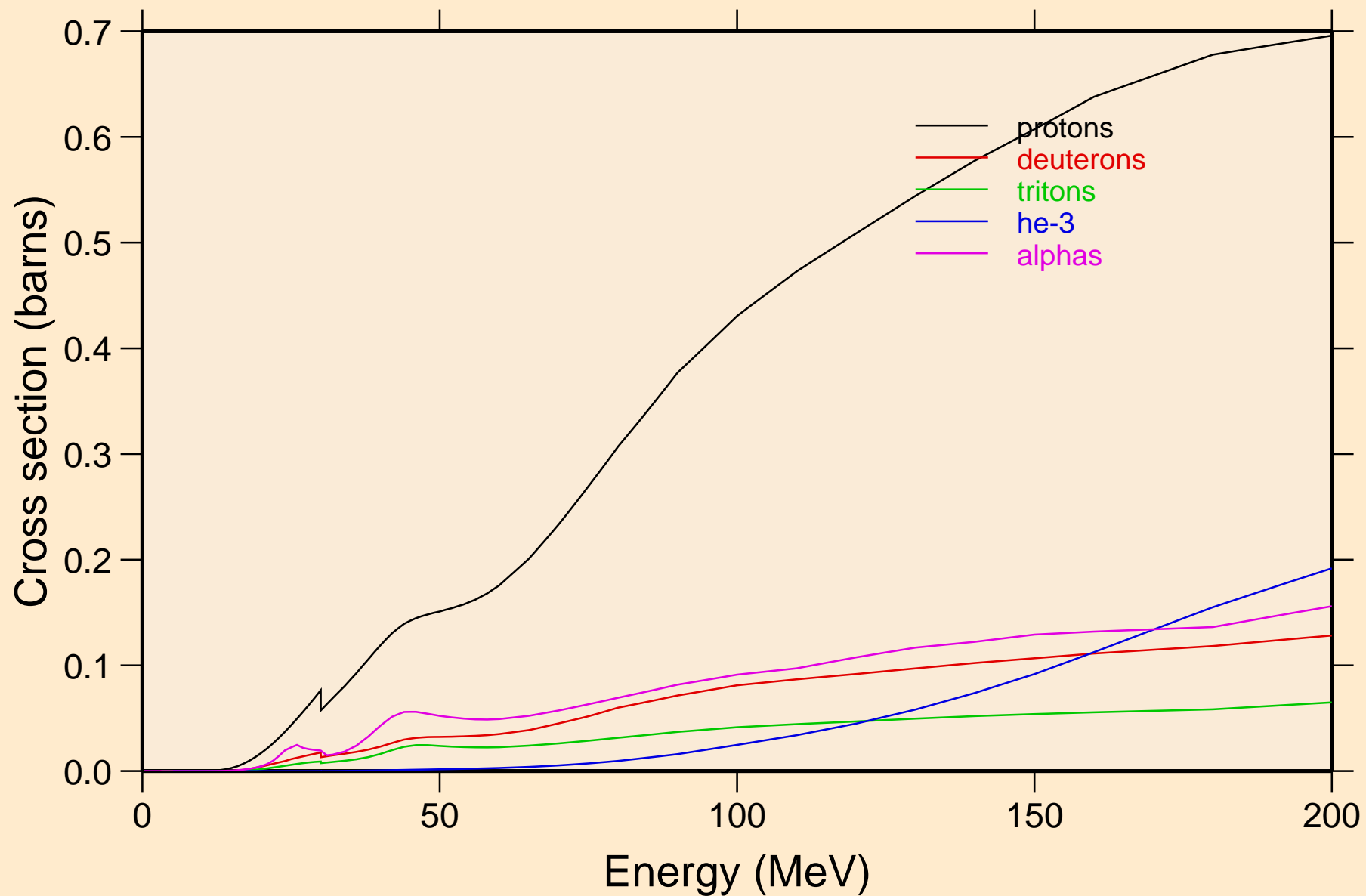
## Particle heating contributions



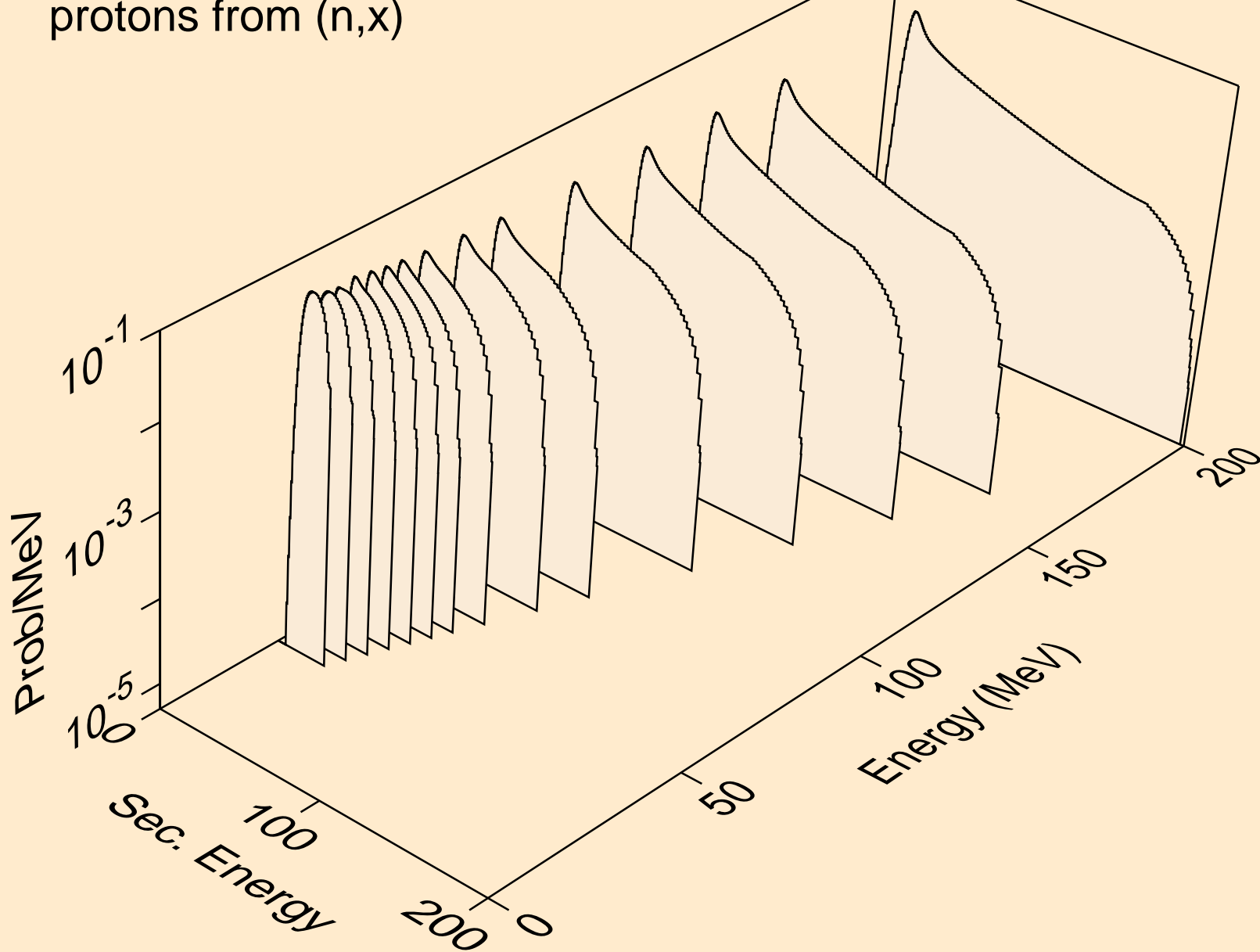
PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating



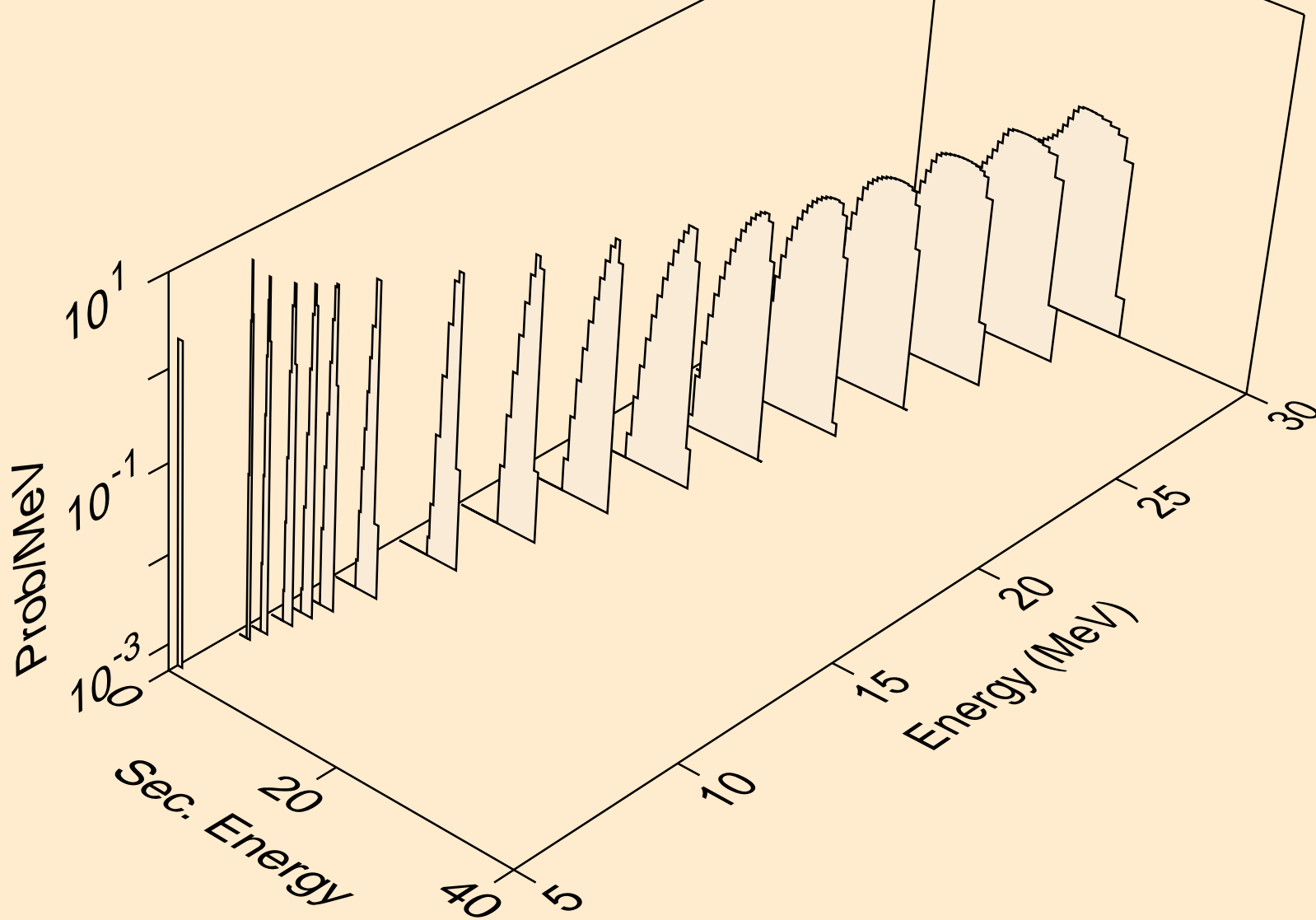
PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Particle production cross sections



PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,x)

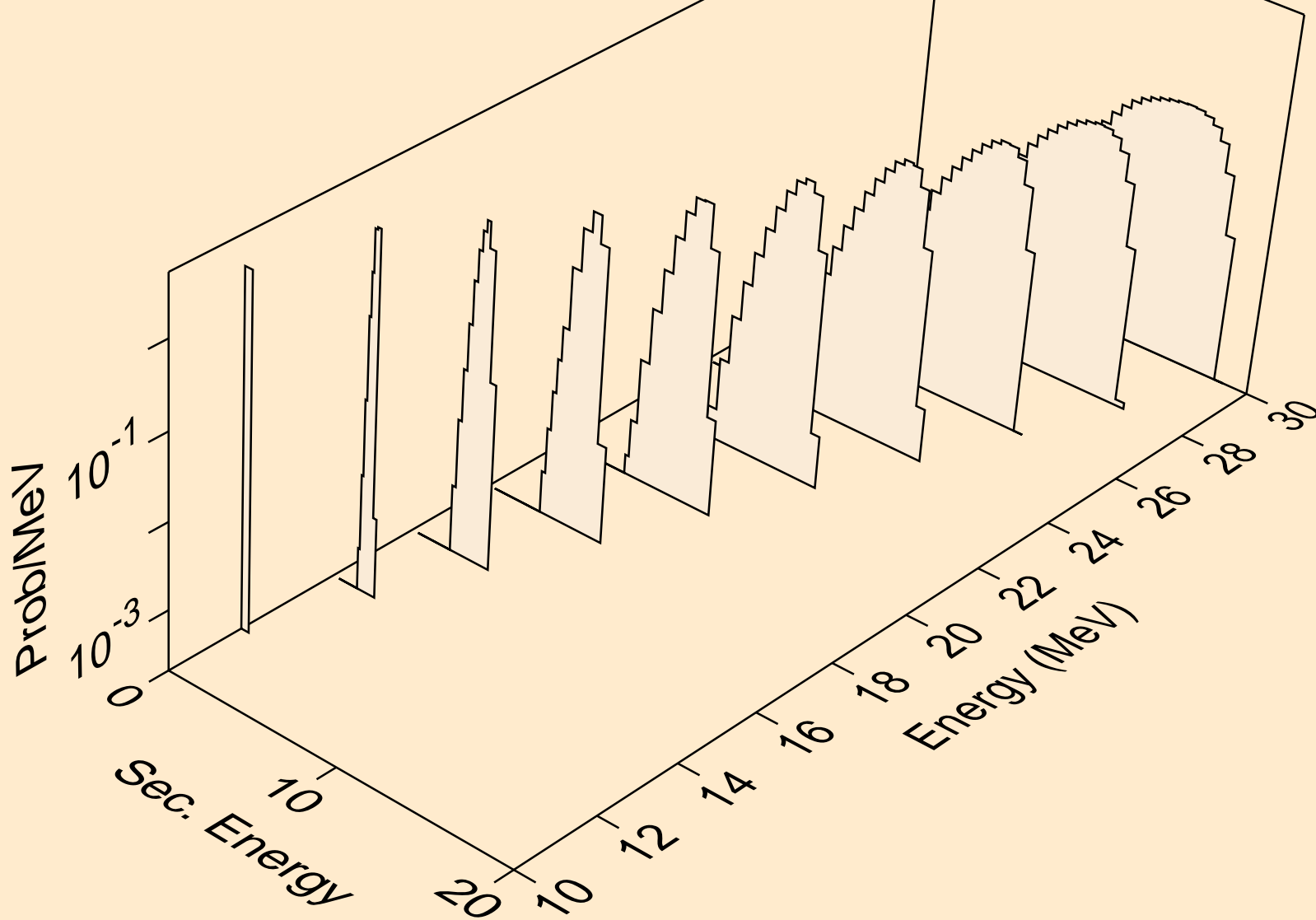


PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n\*)p

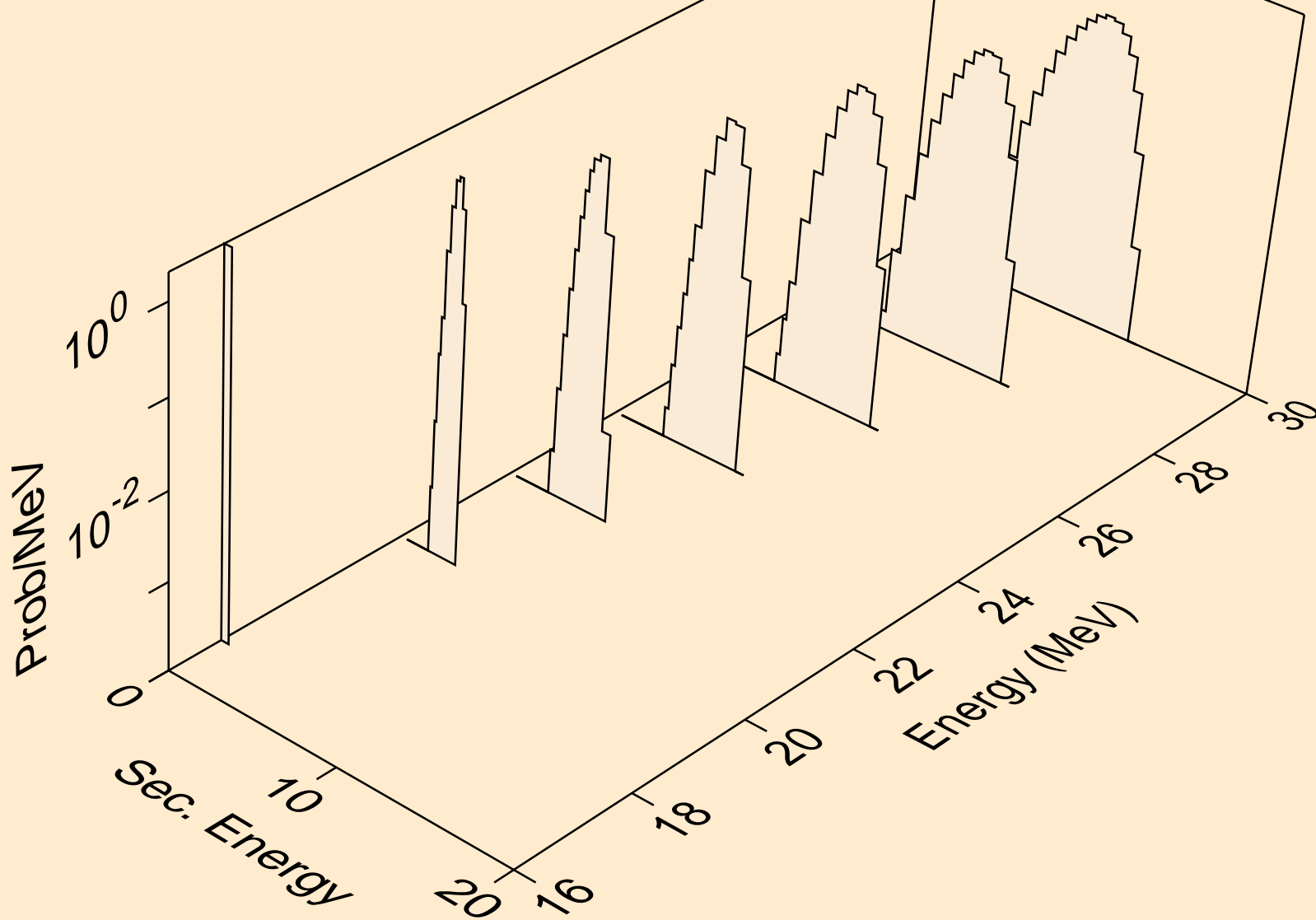




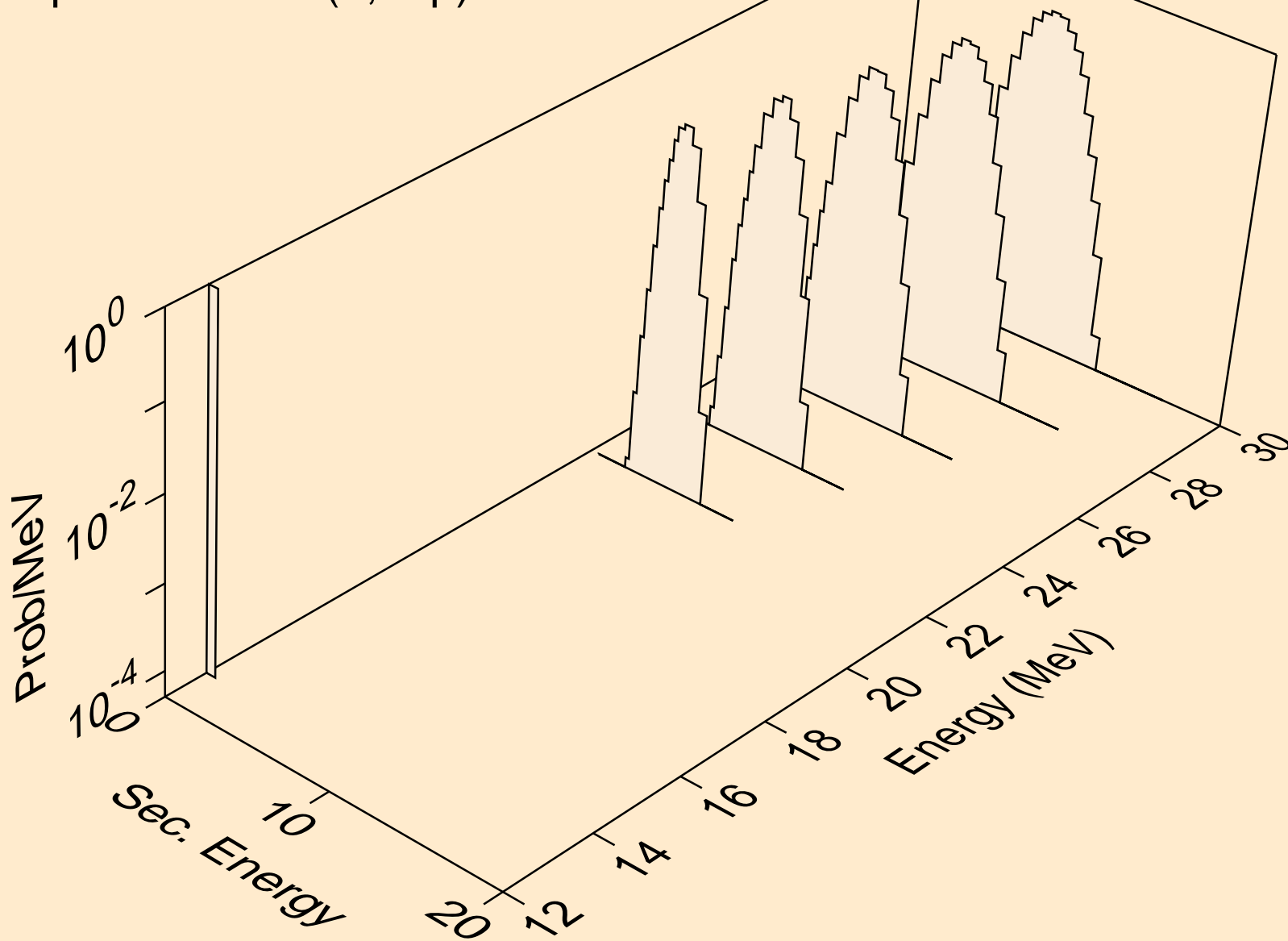
PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,2np)



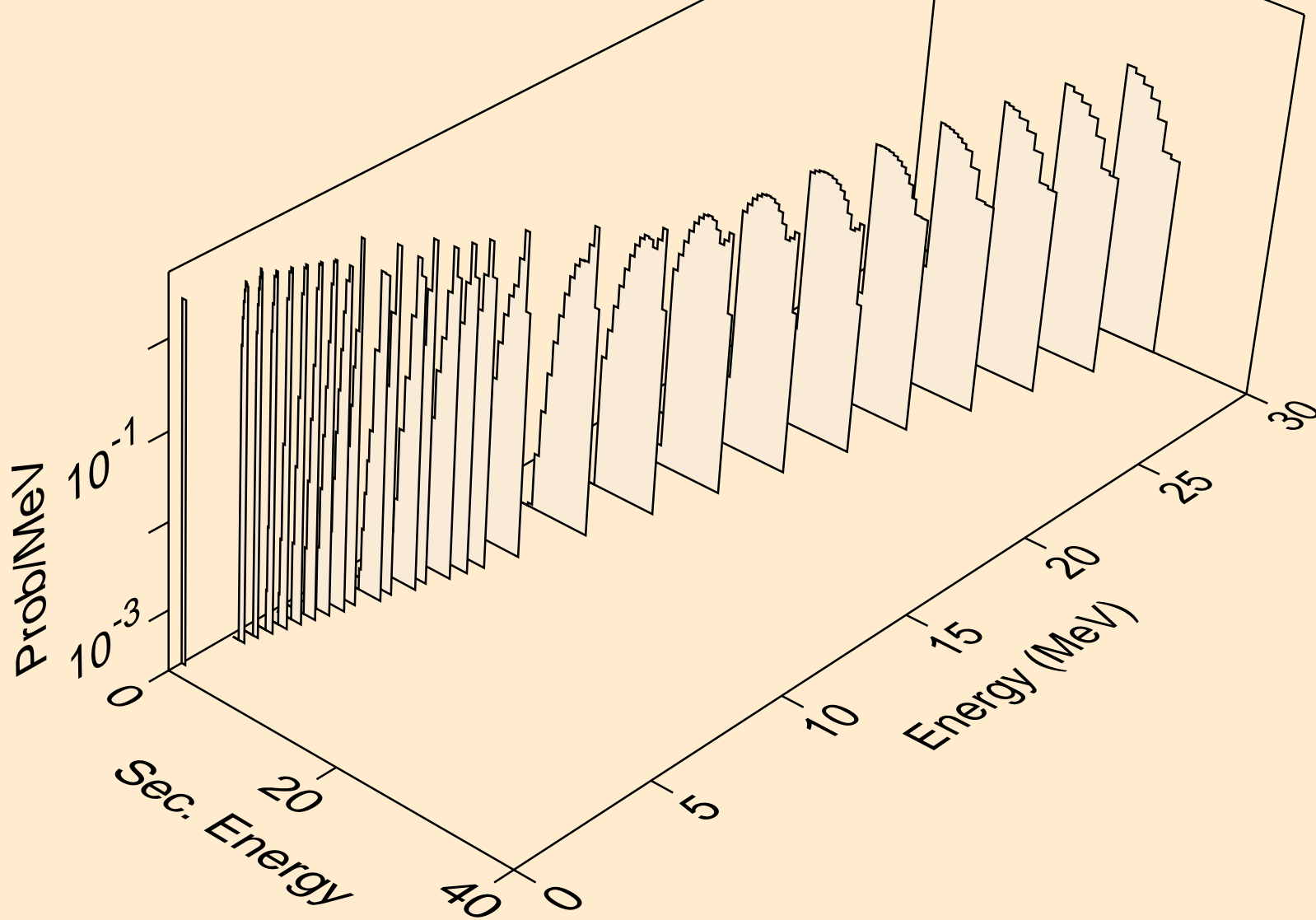
PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,3np)



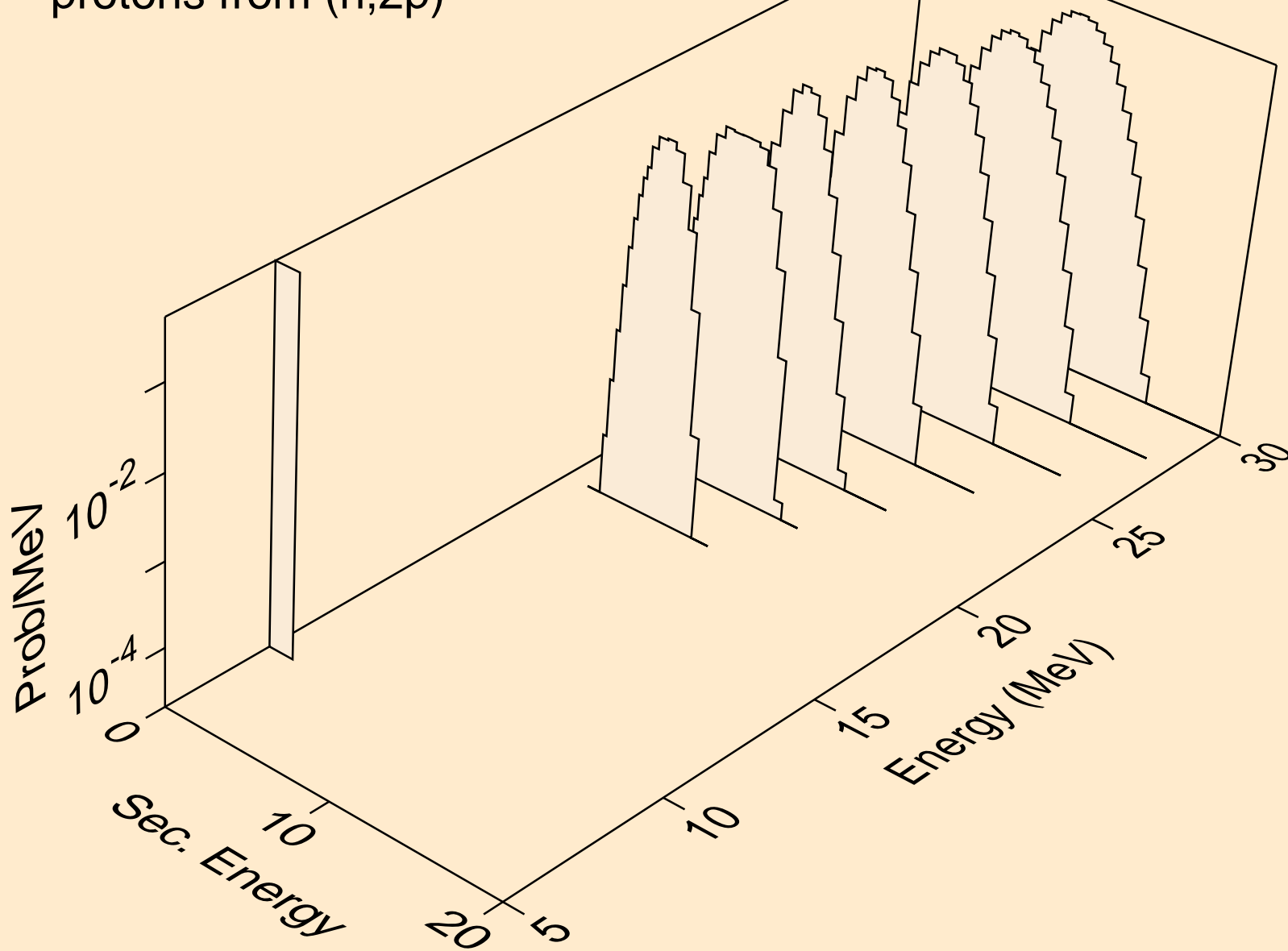
PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n2p)



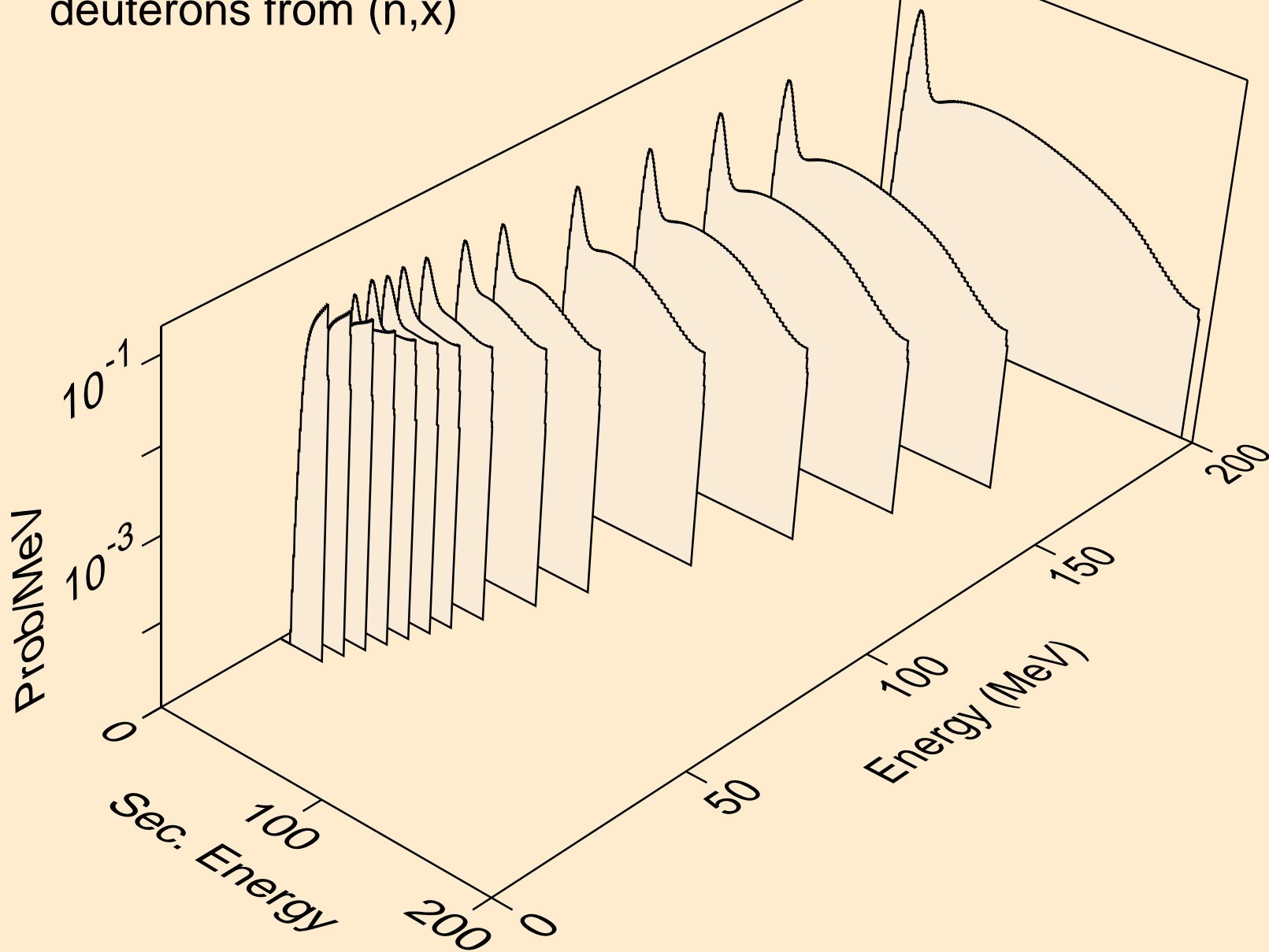
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protons from (n,p)



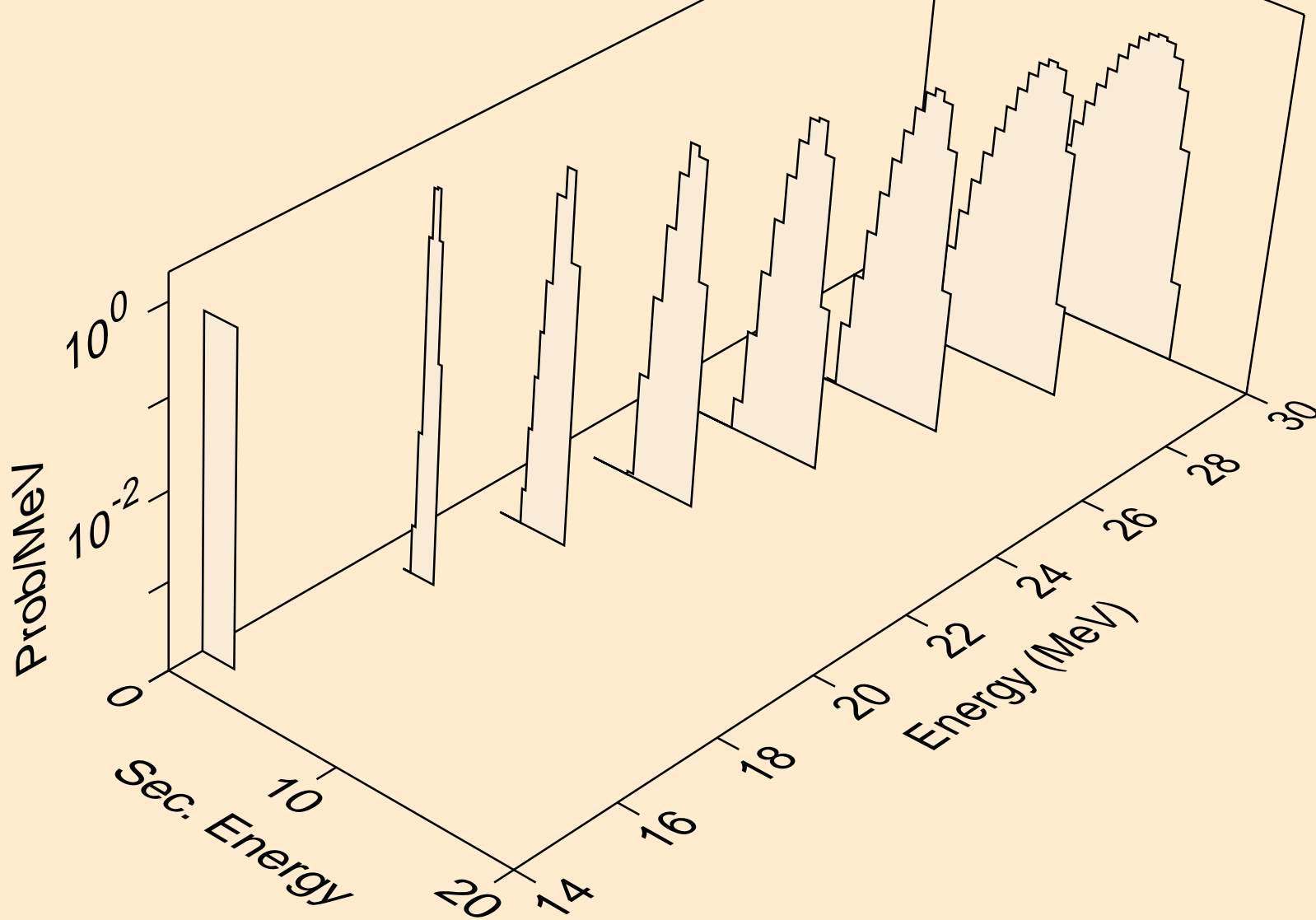
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protons from (n,2p)



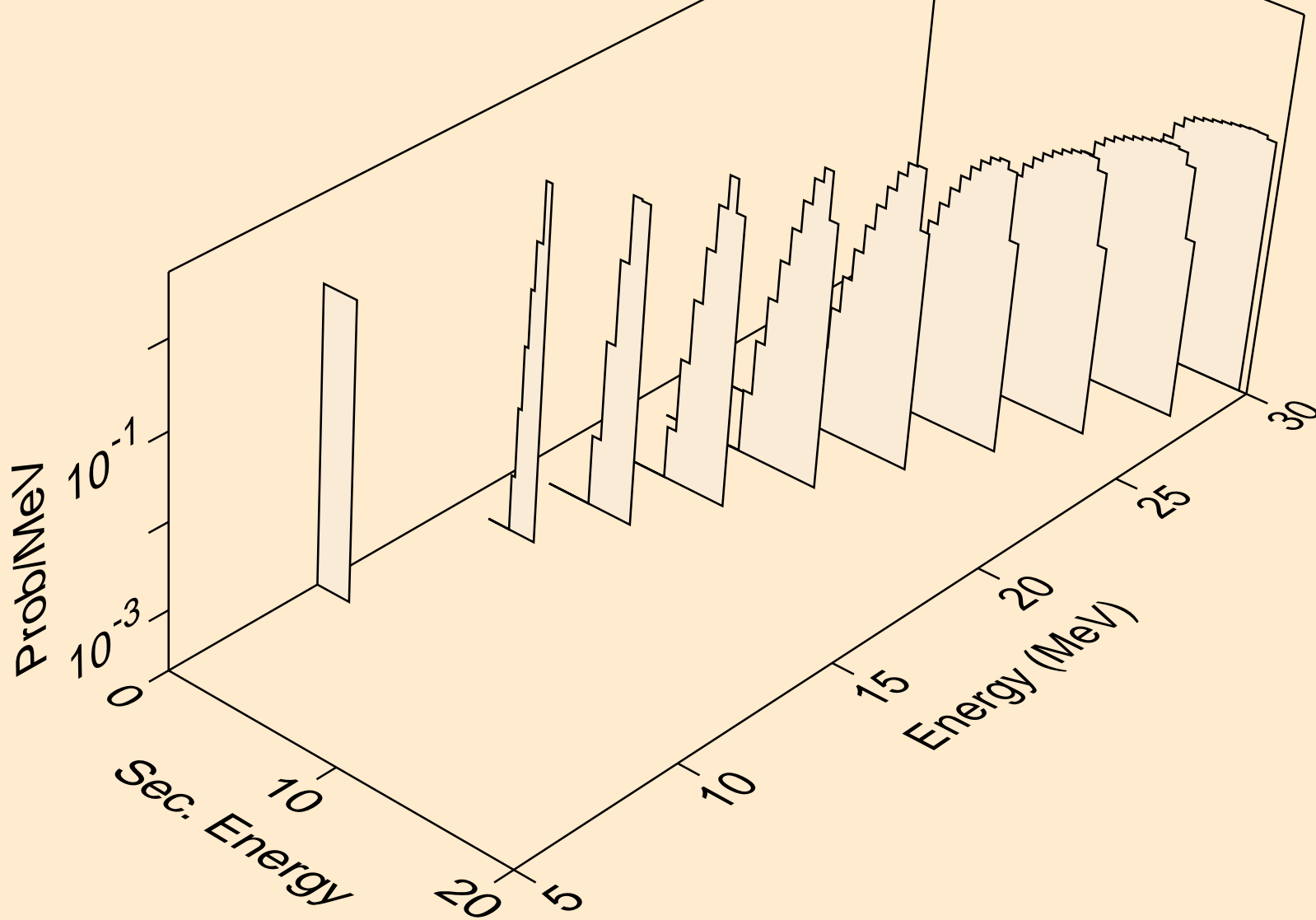
PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,x)



PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,2nd)

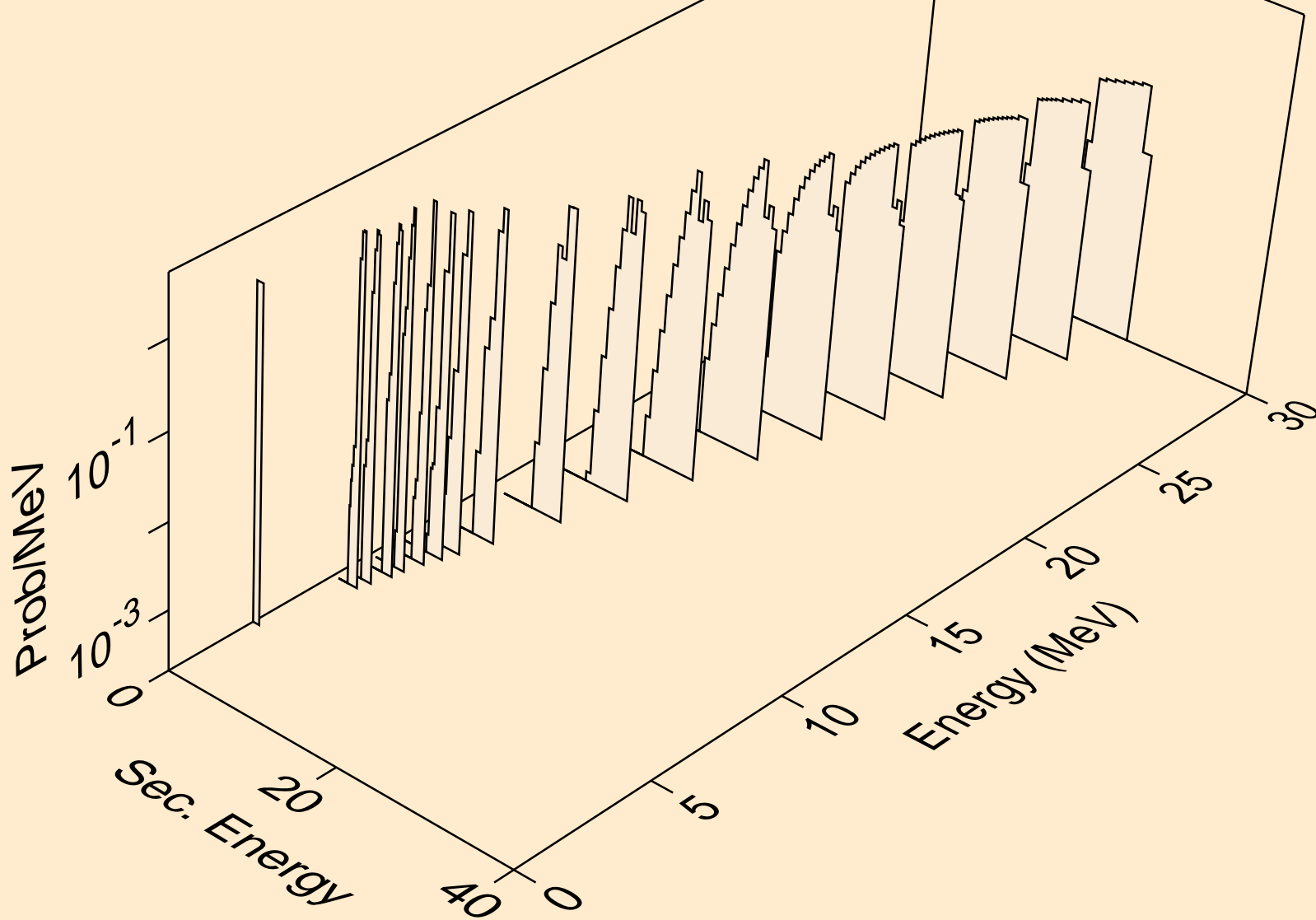


PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,n\*)d

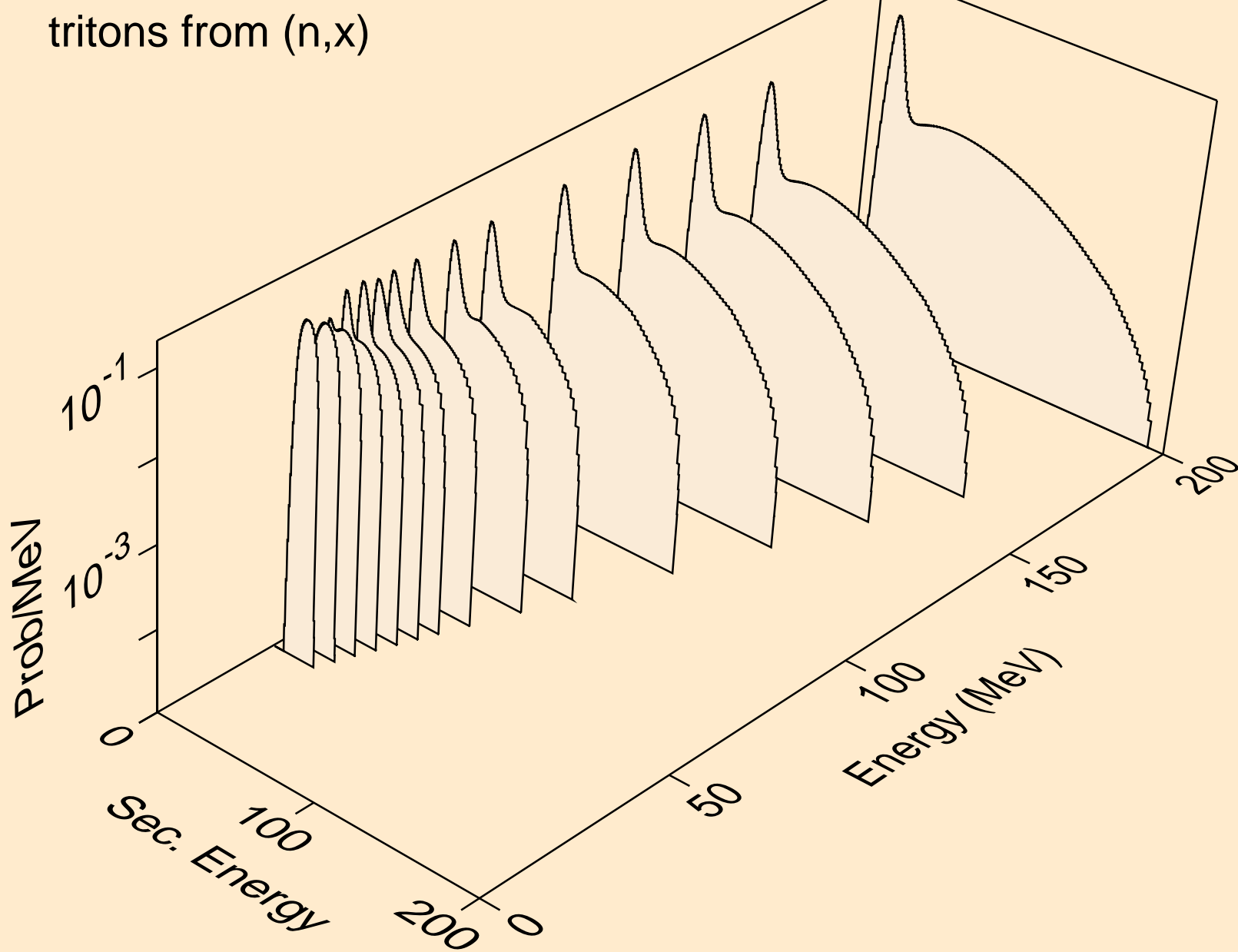




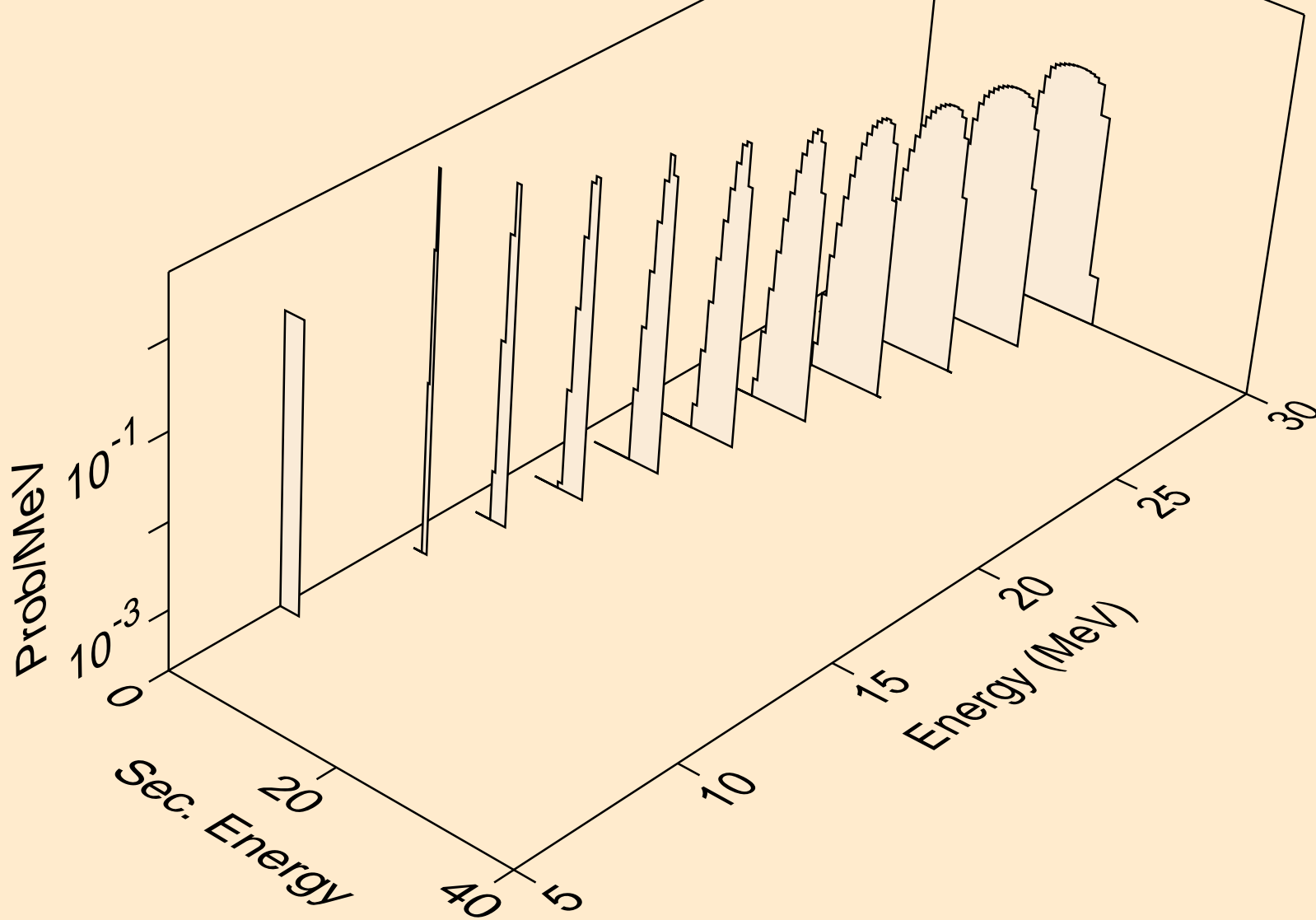
PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,d)



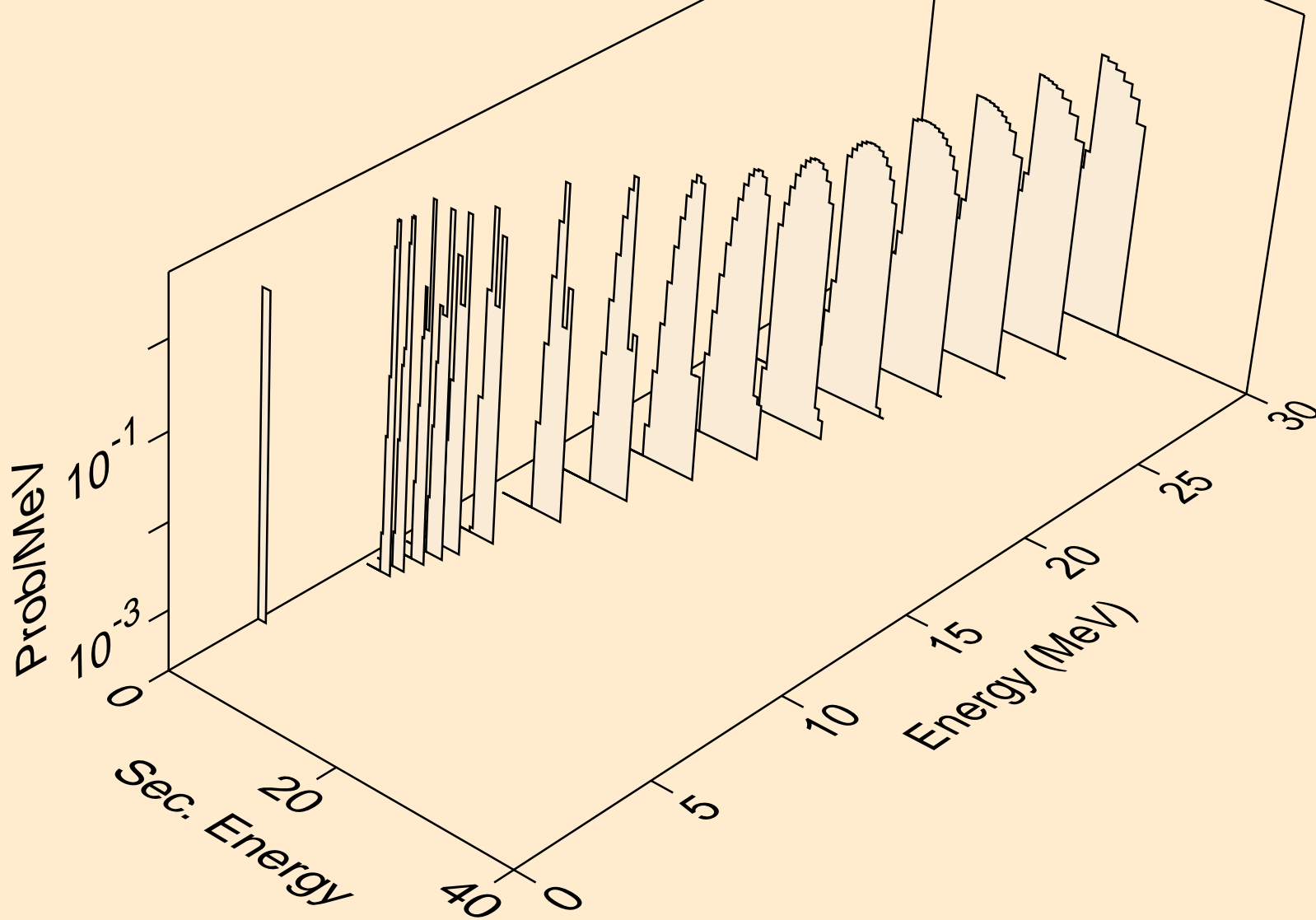
PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,x)



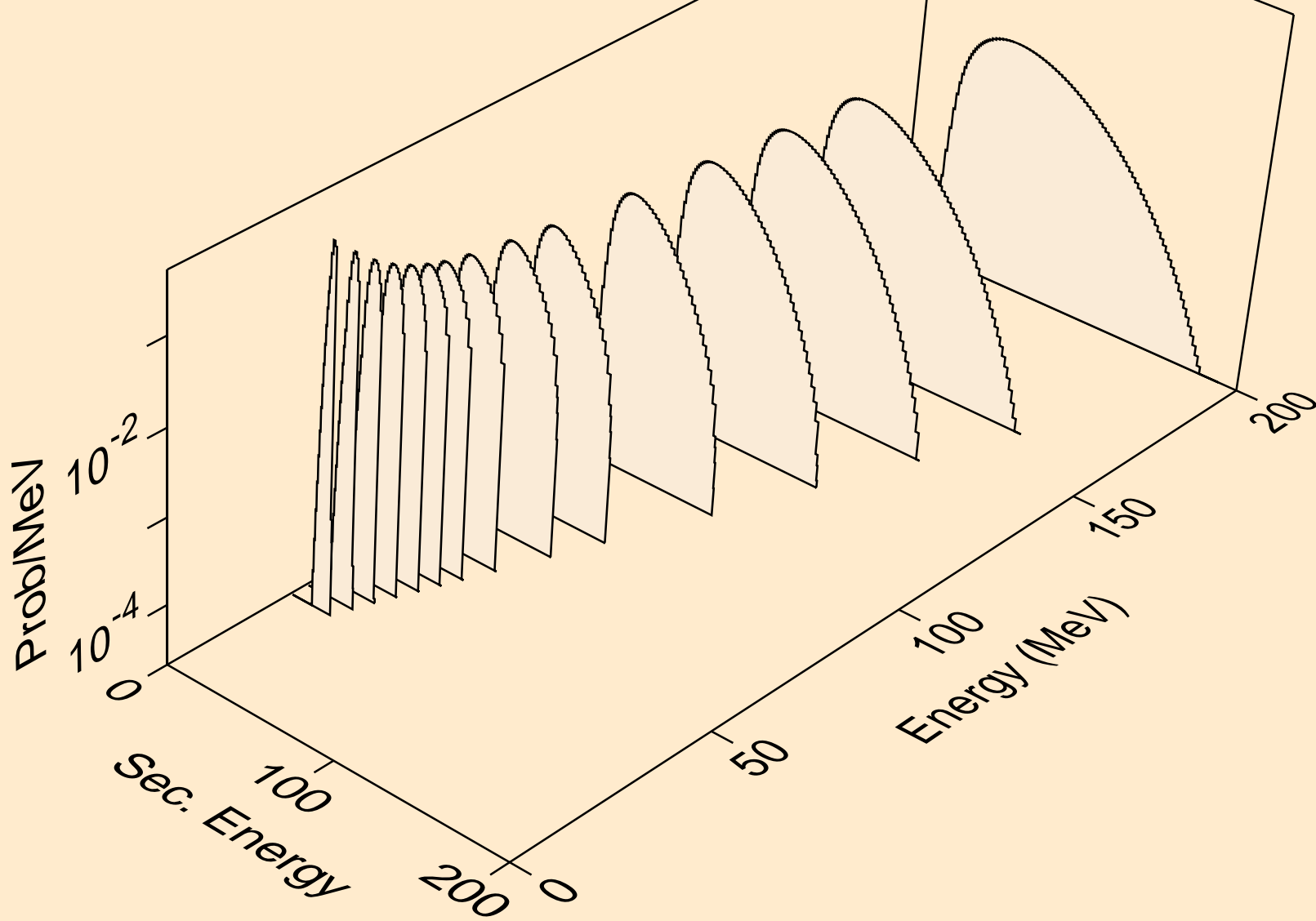
PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,n\*)t



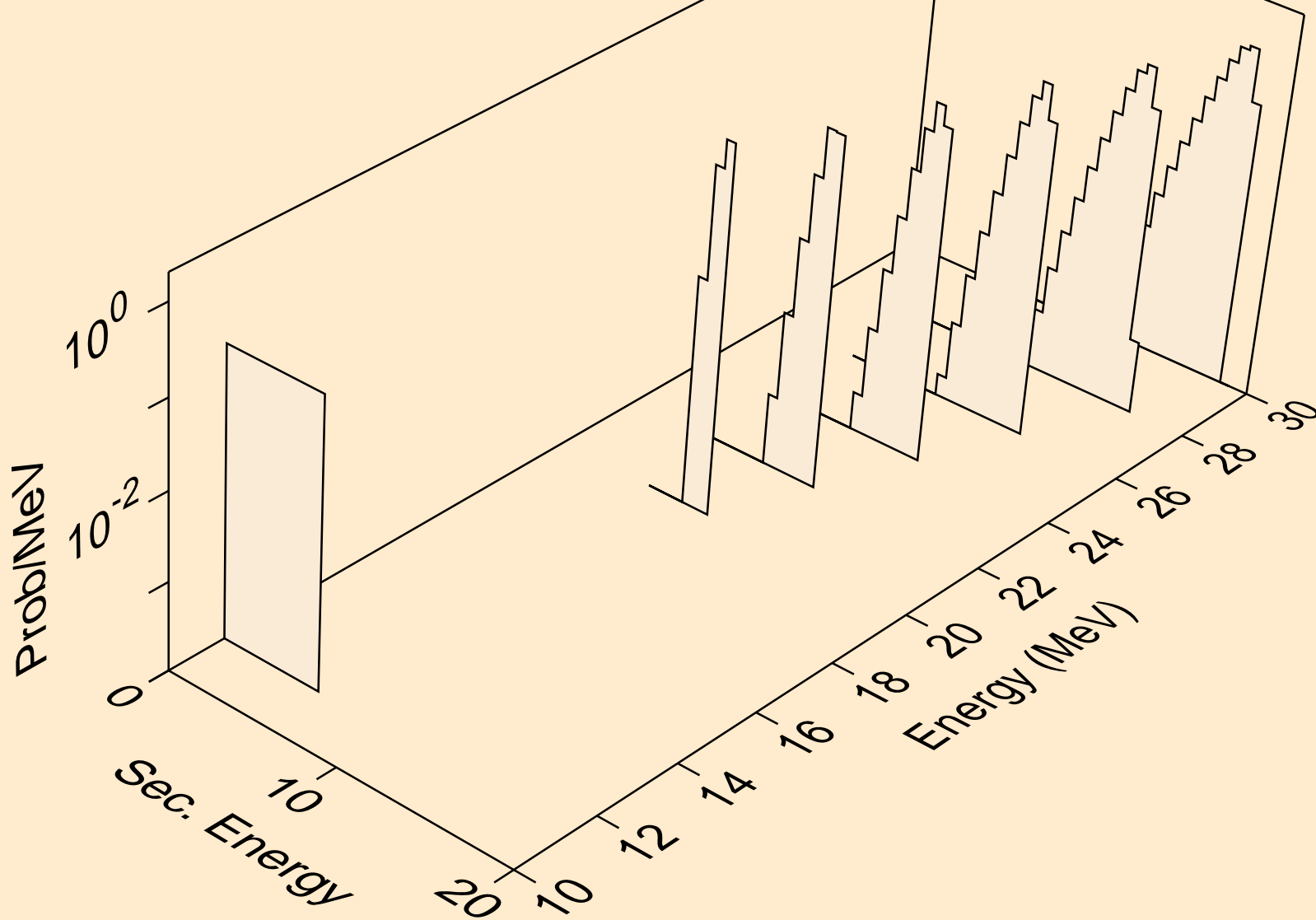
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tritons from (n,t)



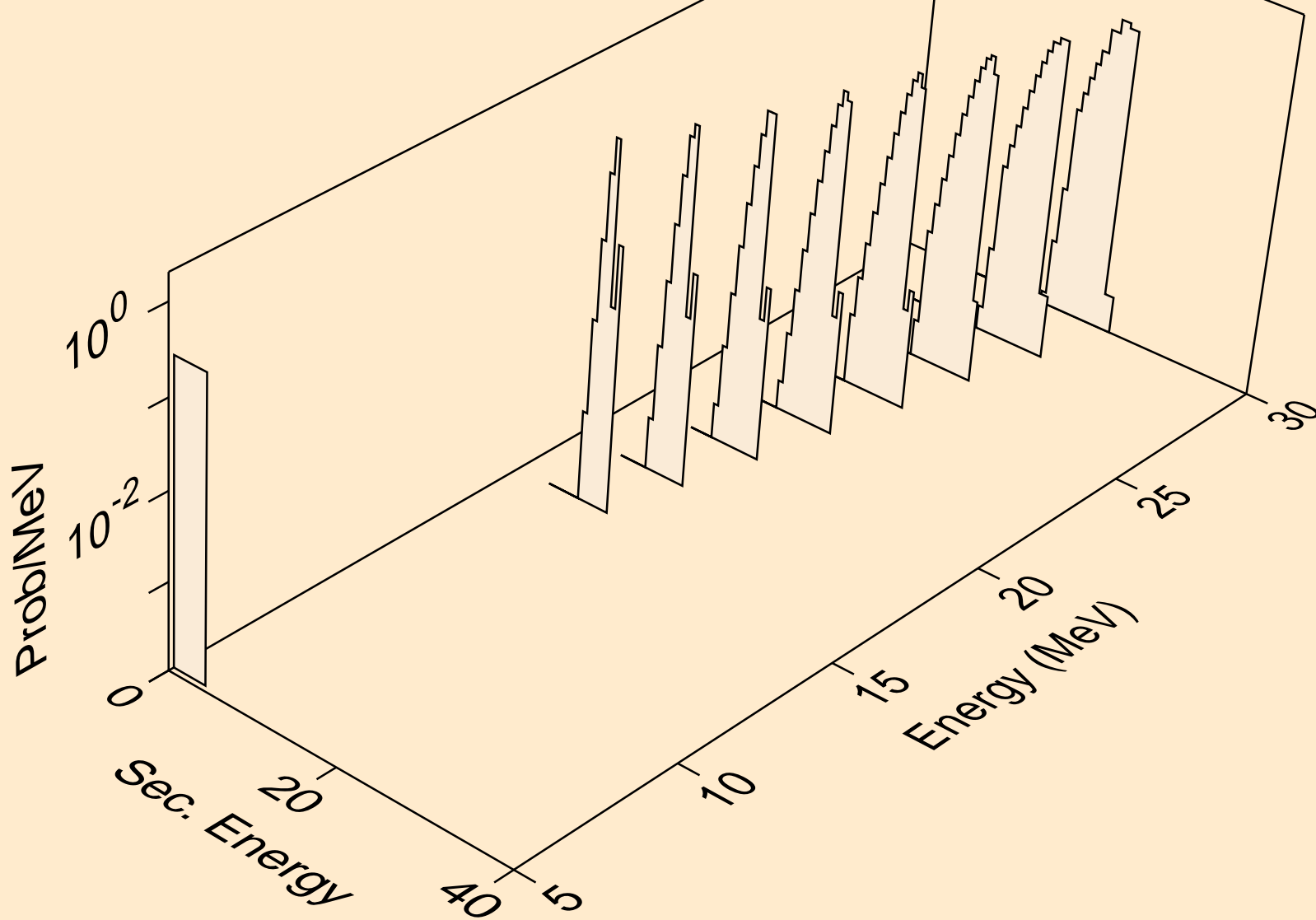
PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,x)



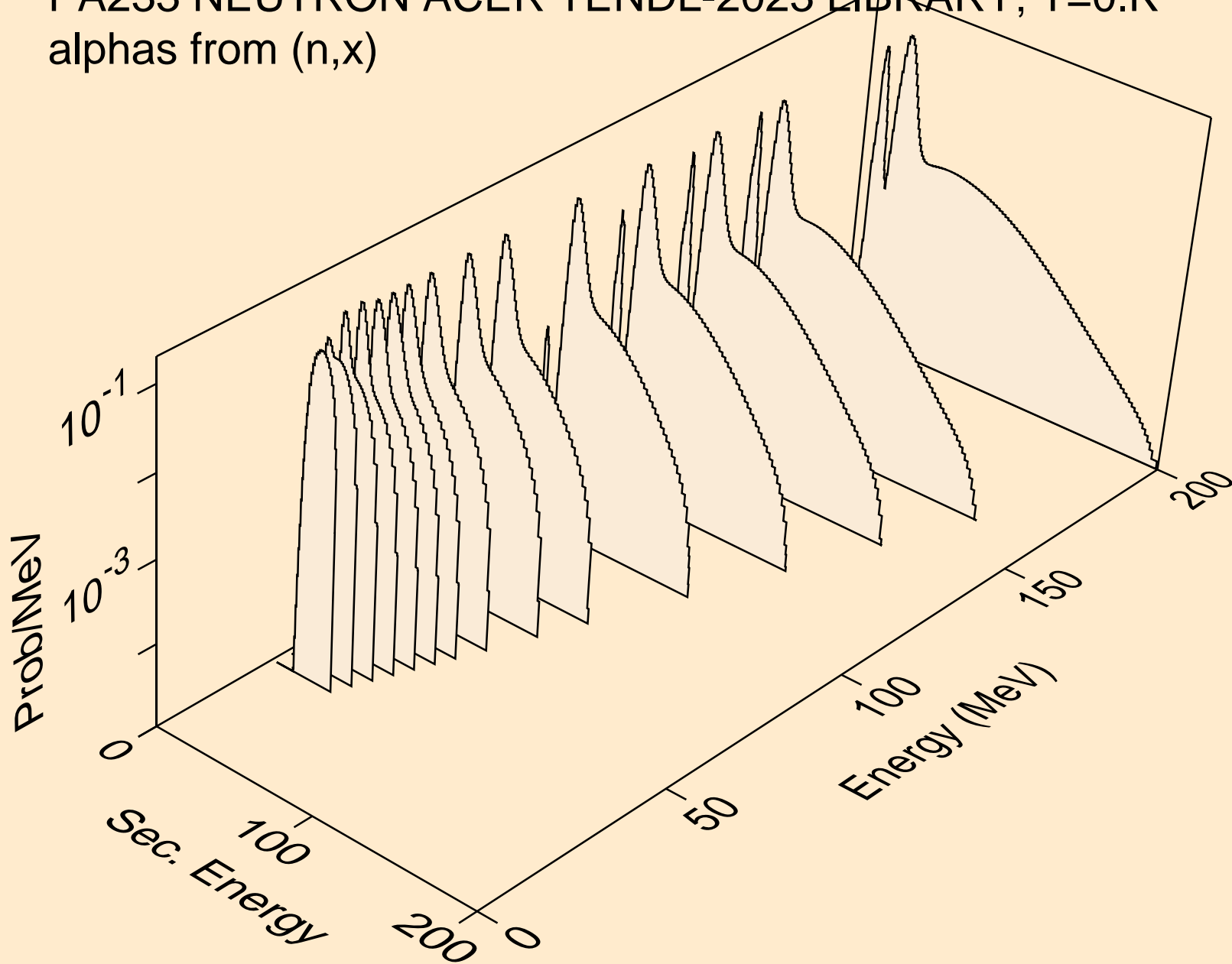
PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,n\*)he3



PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,he3)

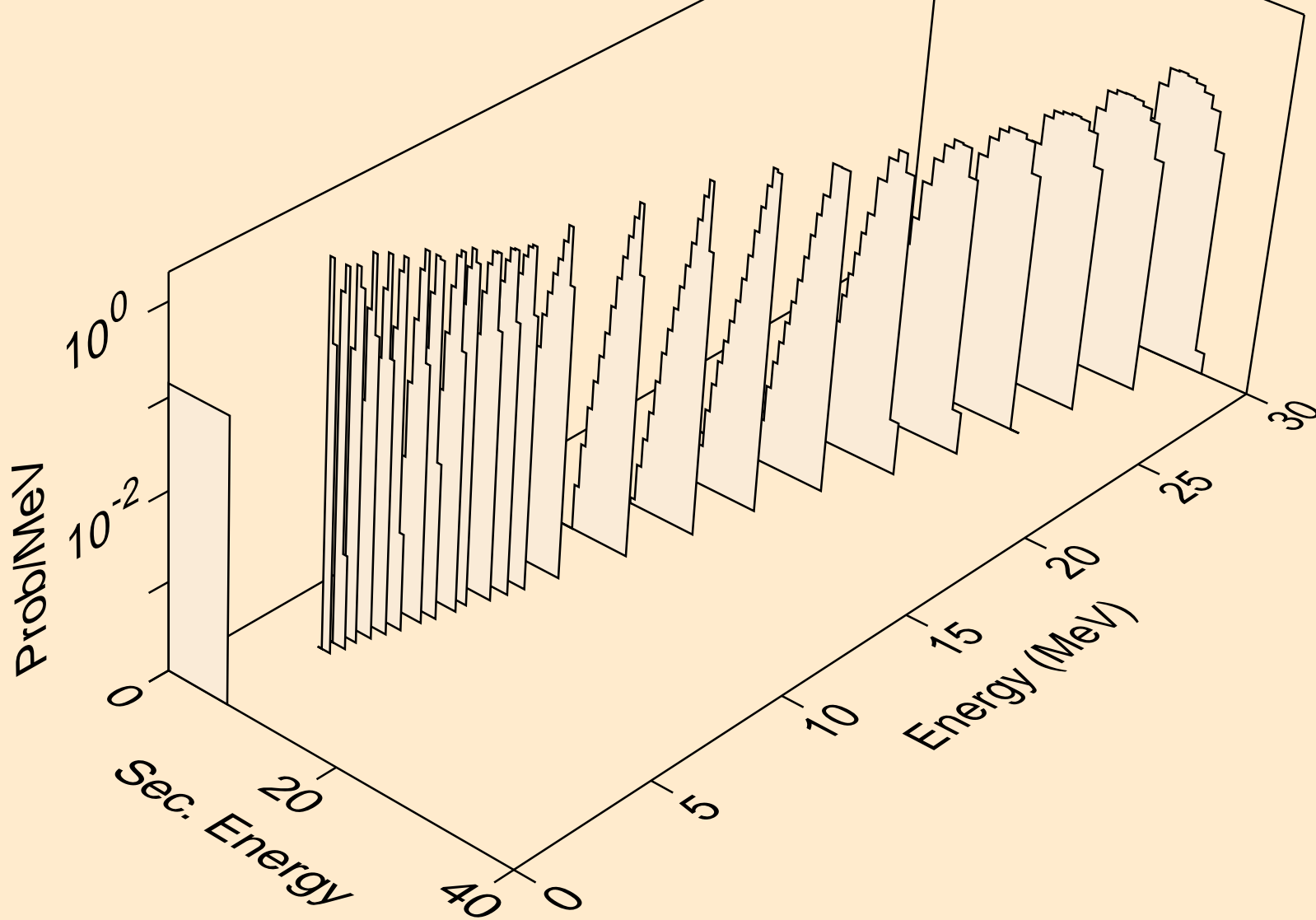


PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,x)

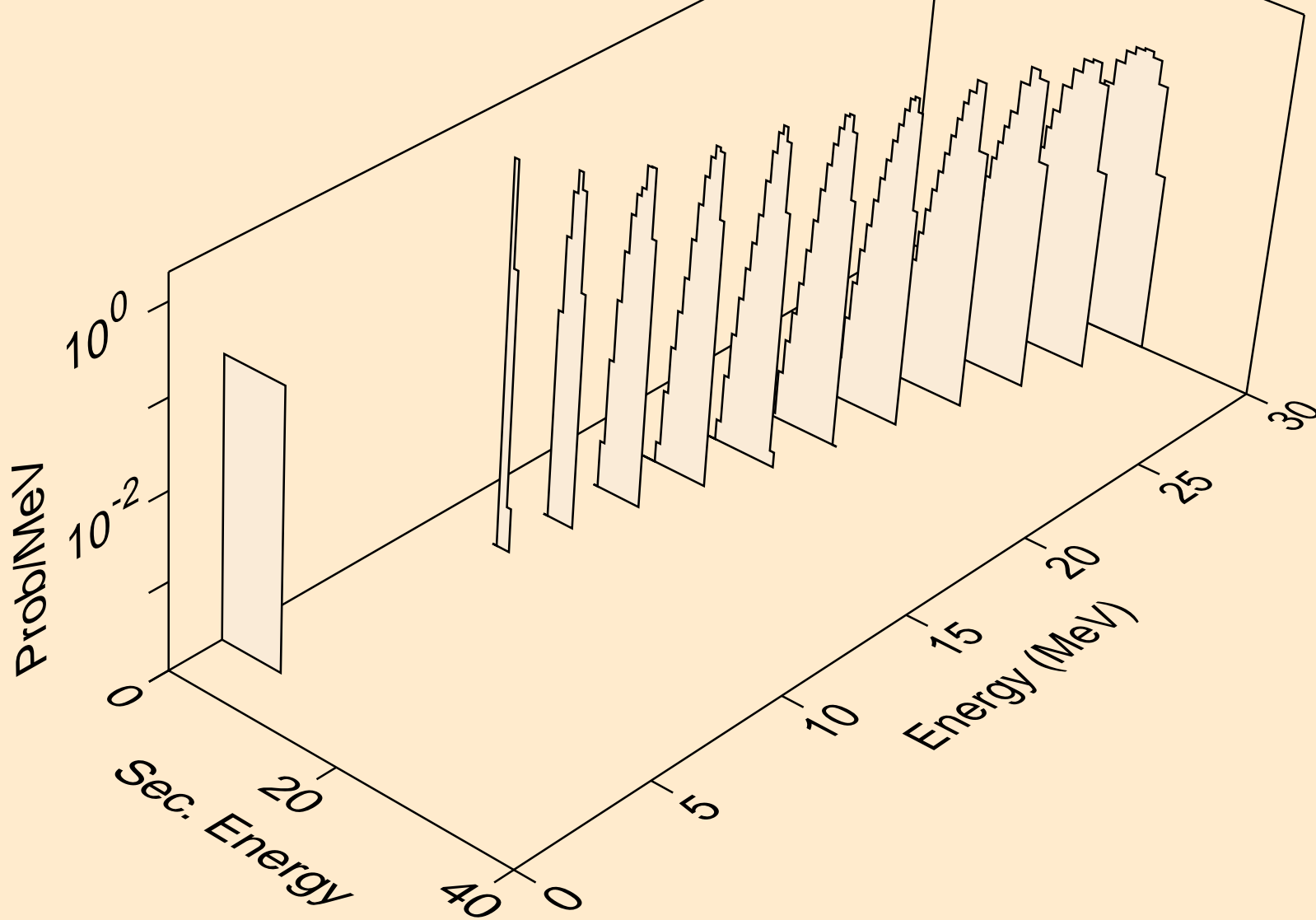




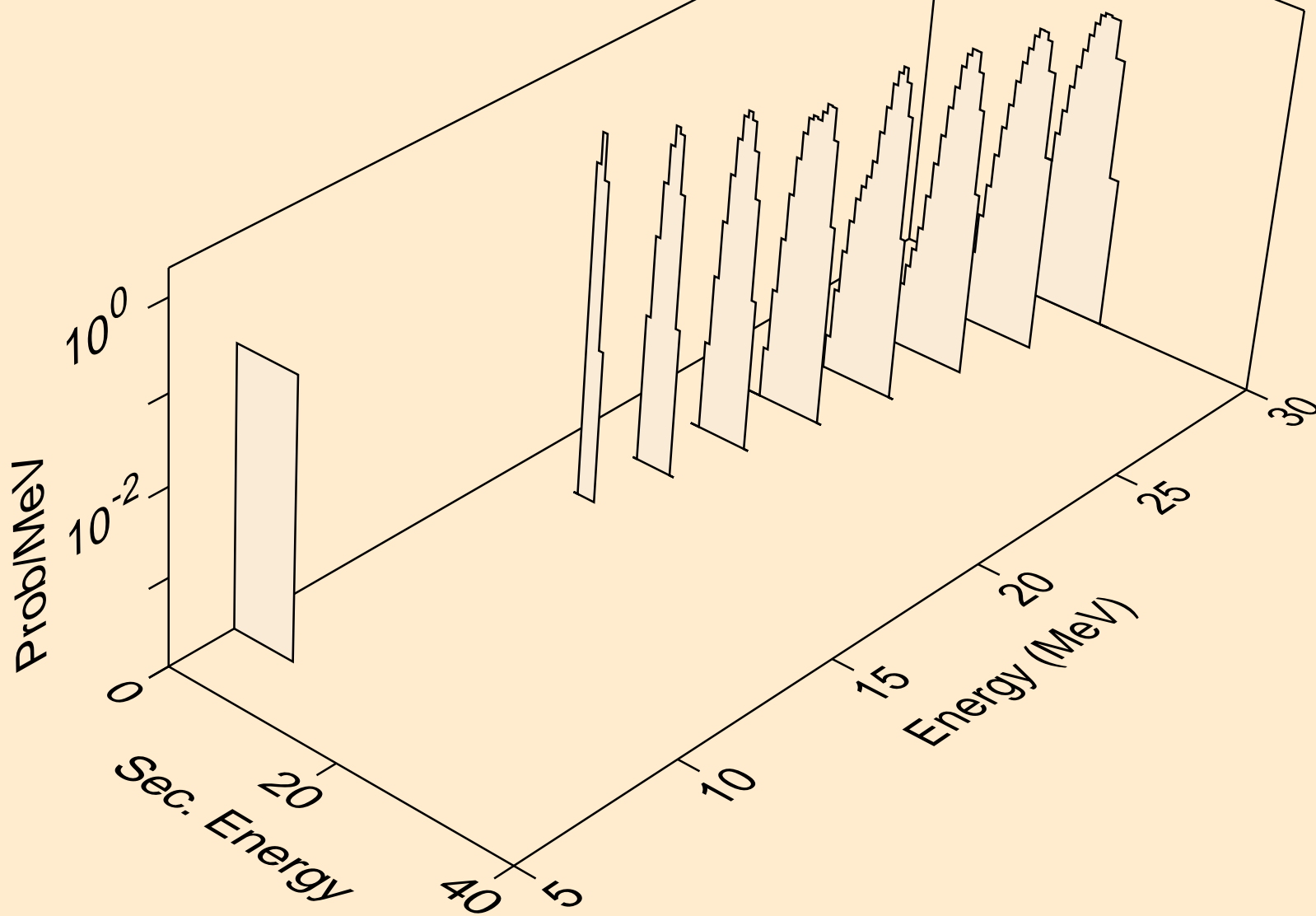
PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)a



PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2n)a



PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,3n)a



PA233 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,a)

