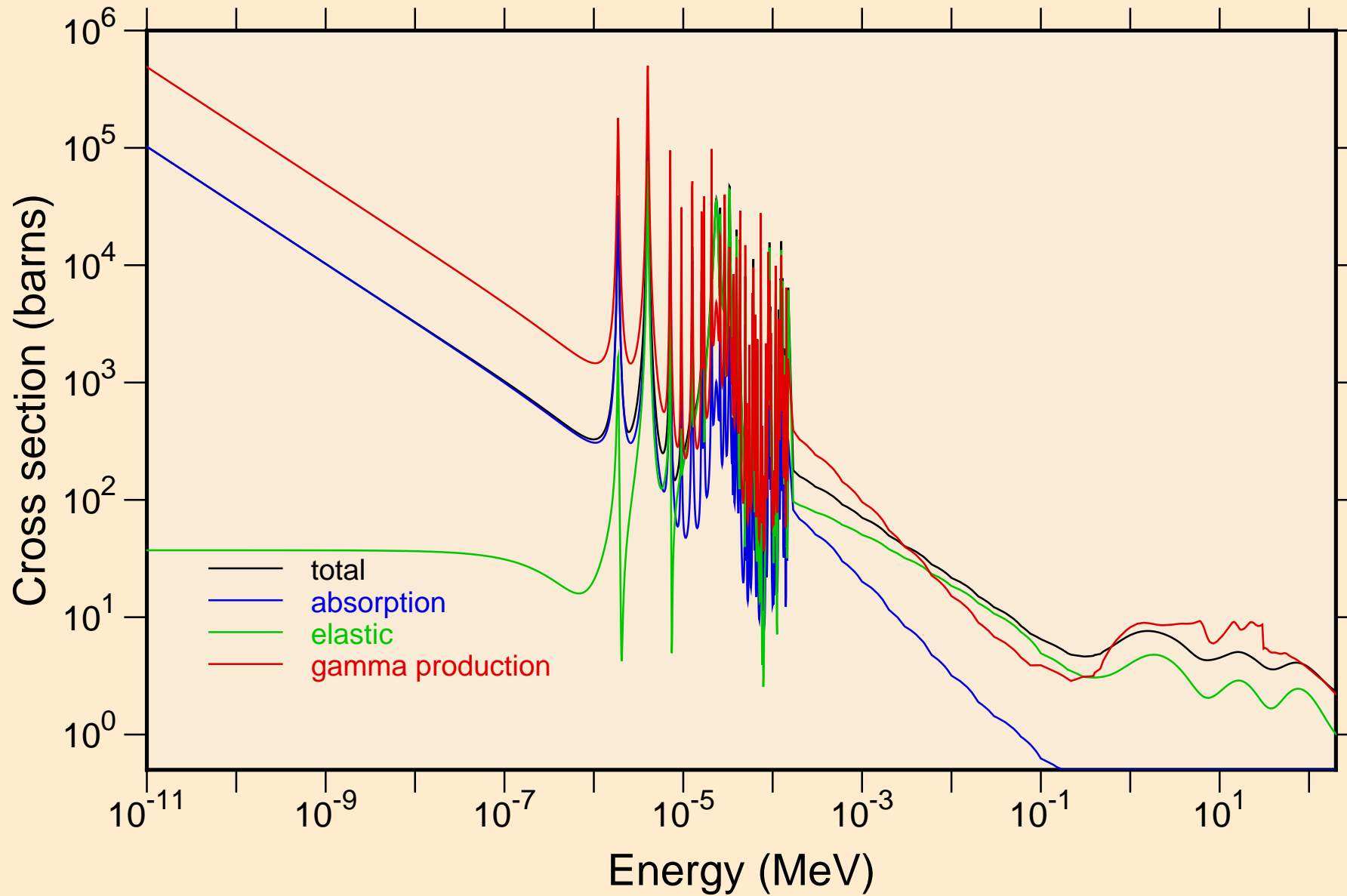
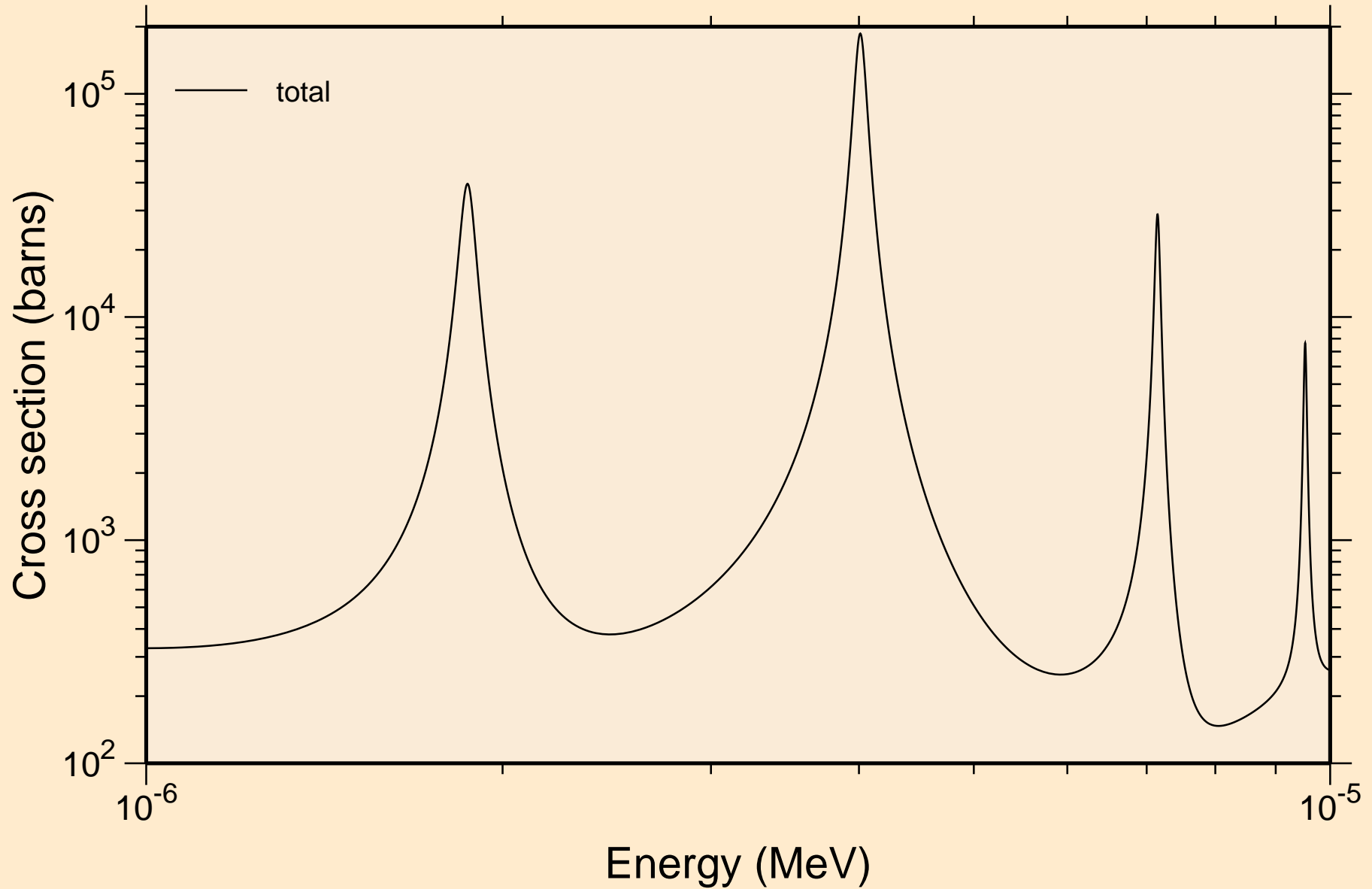


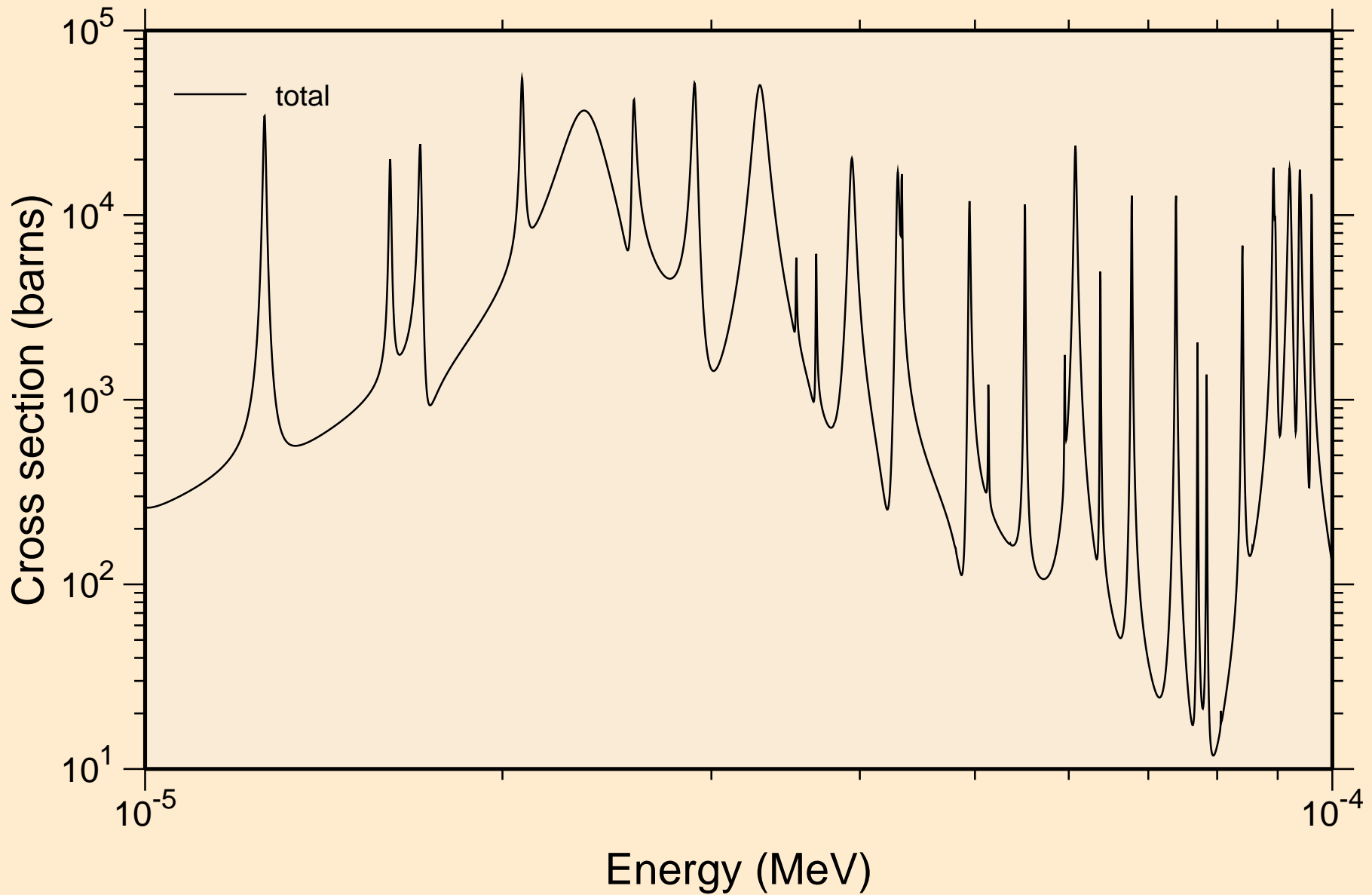
PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Principal cross sections



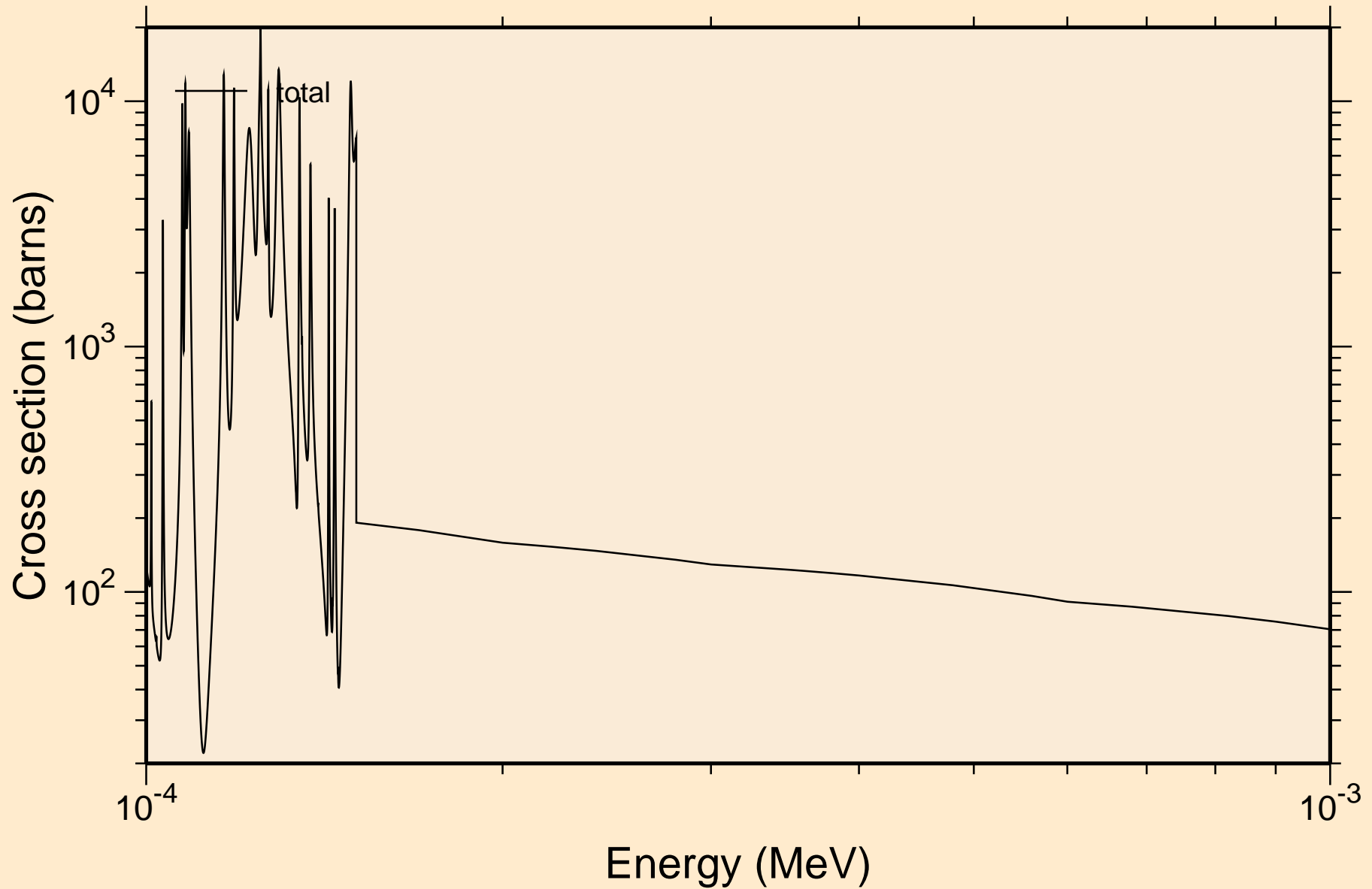
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resonance total cross section



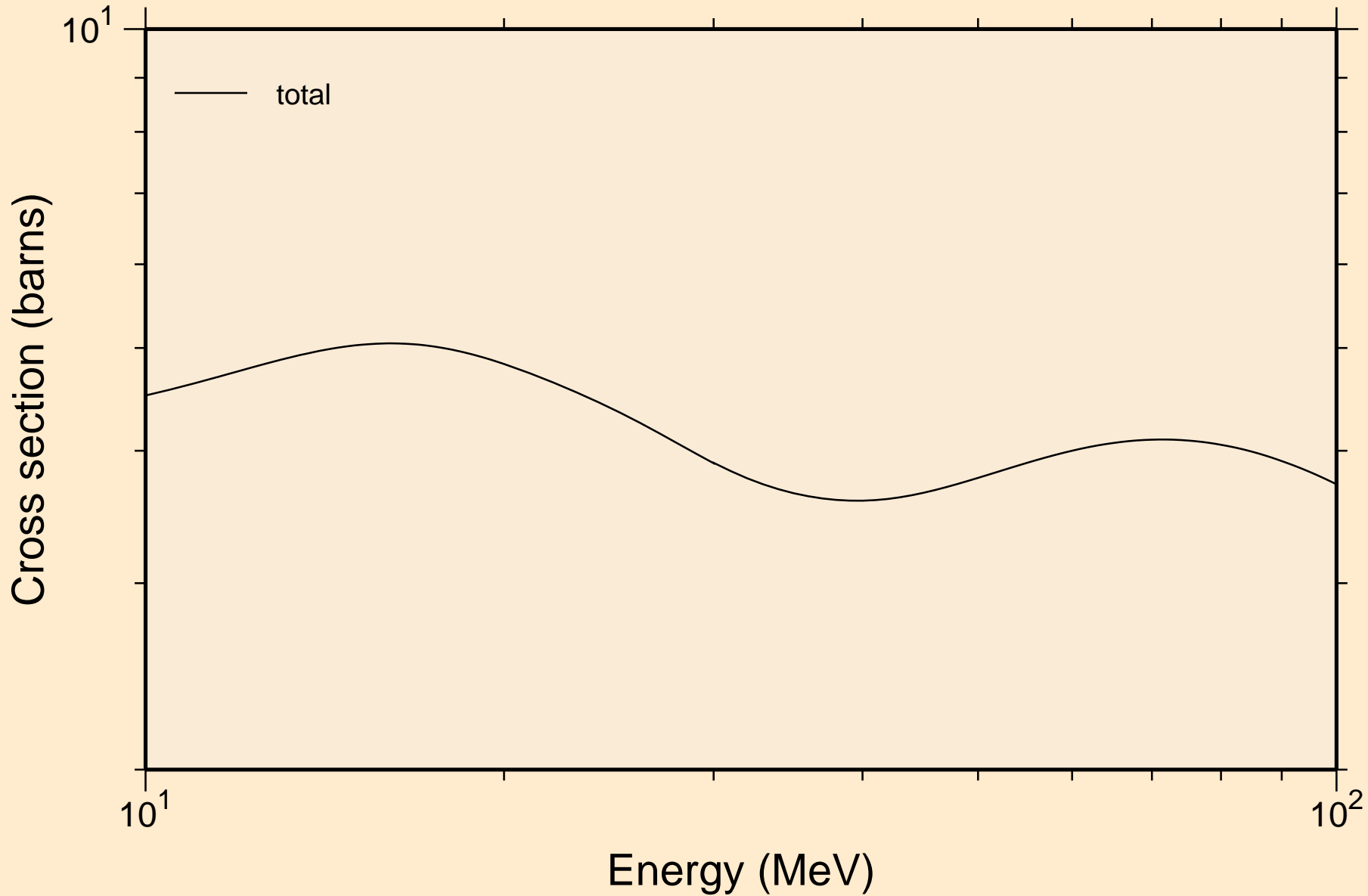
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resonance total cross section



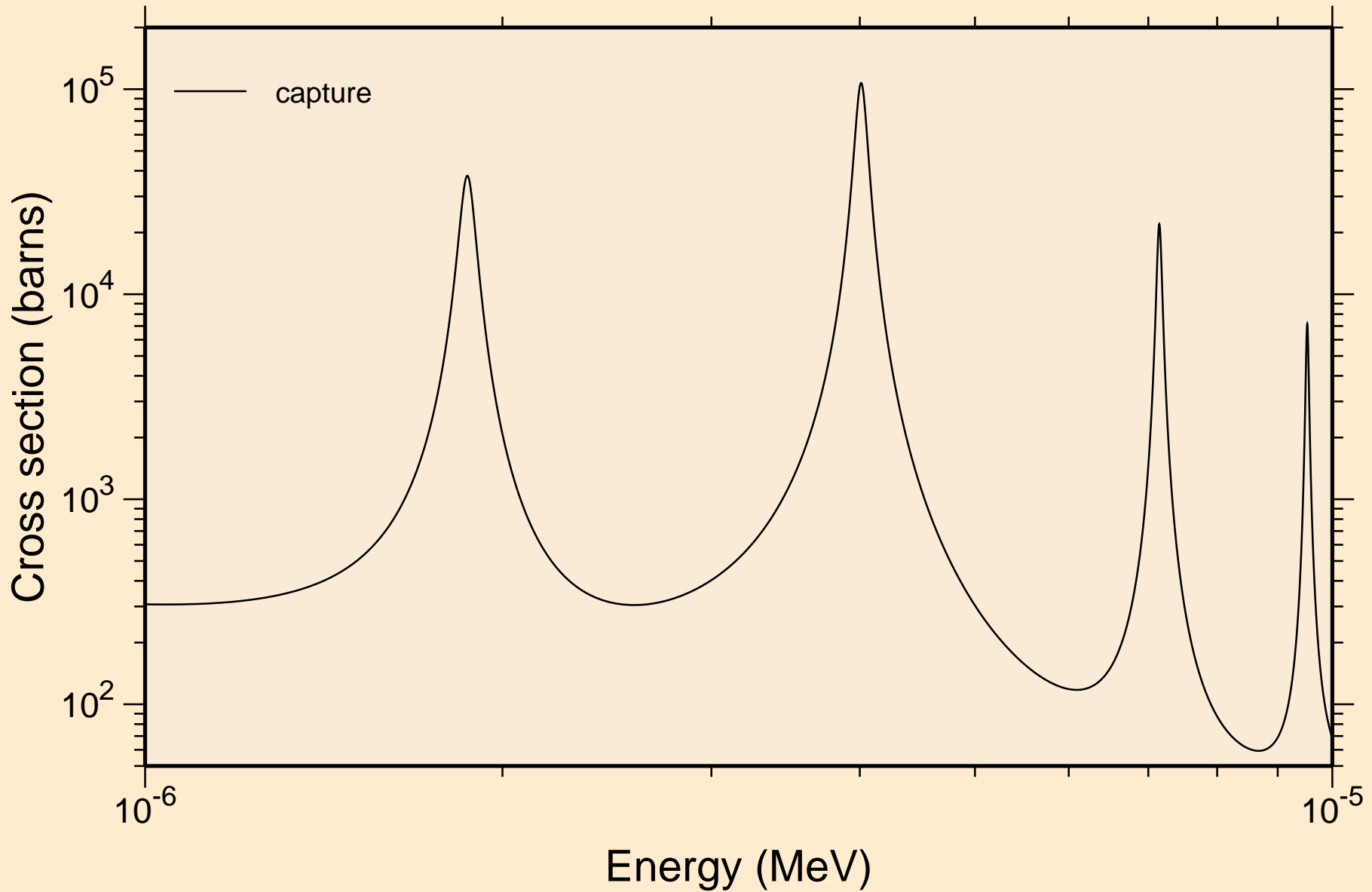
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resonance total cross section



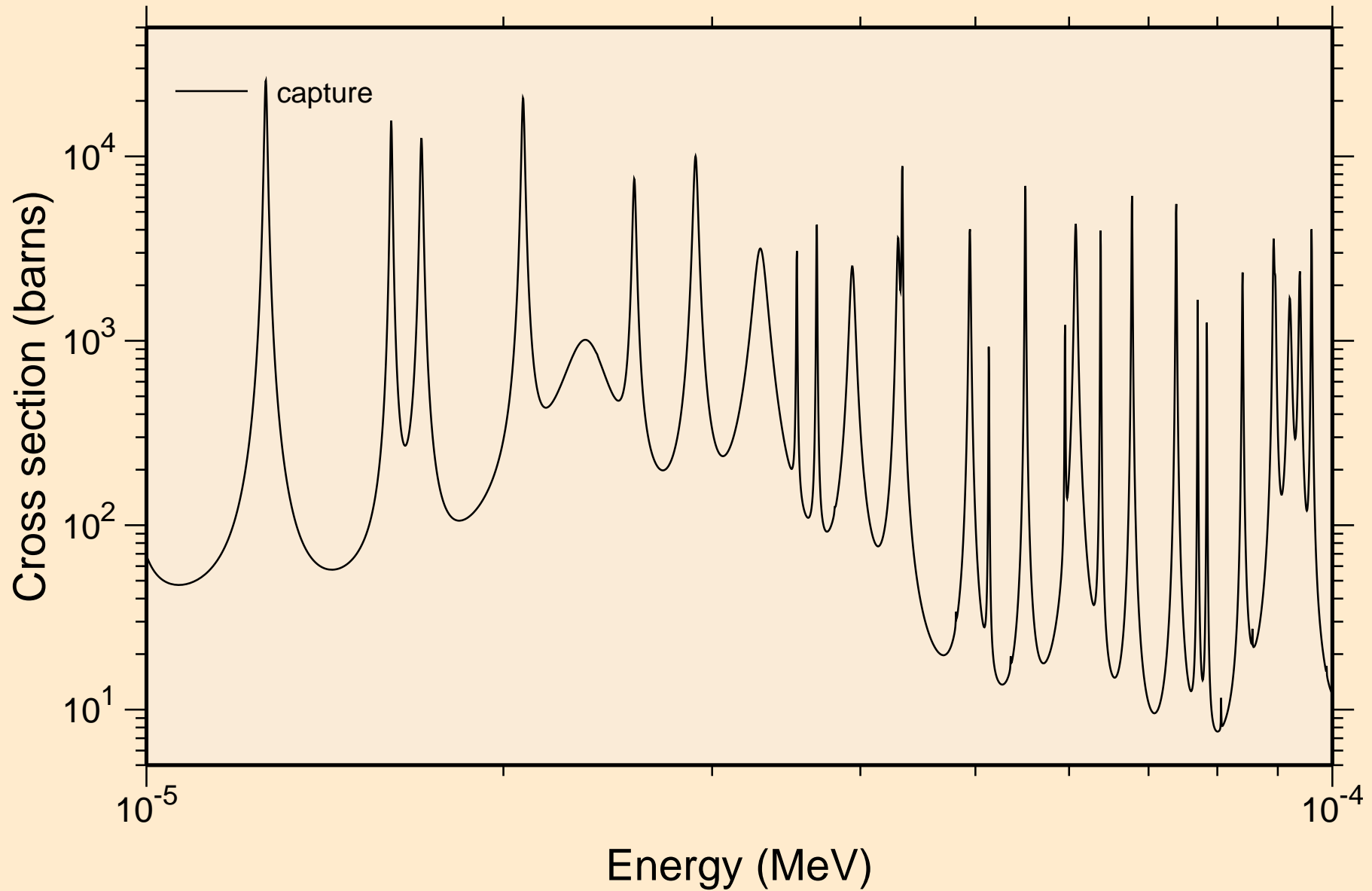
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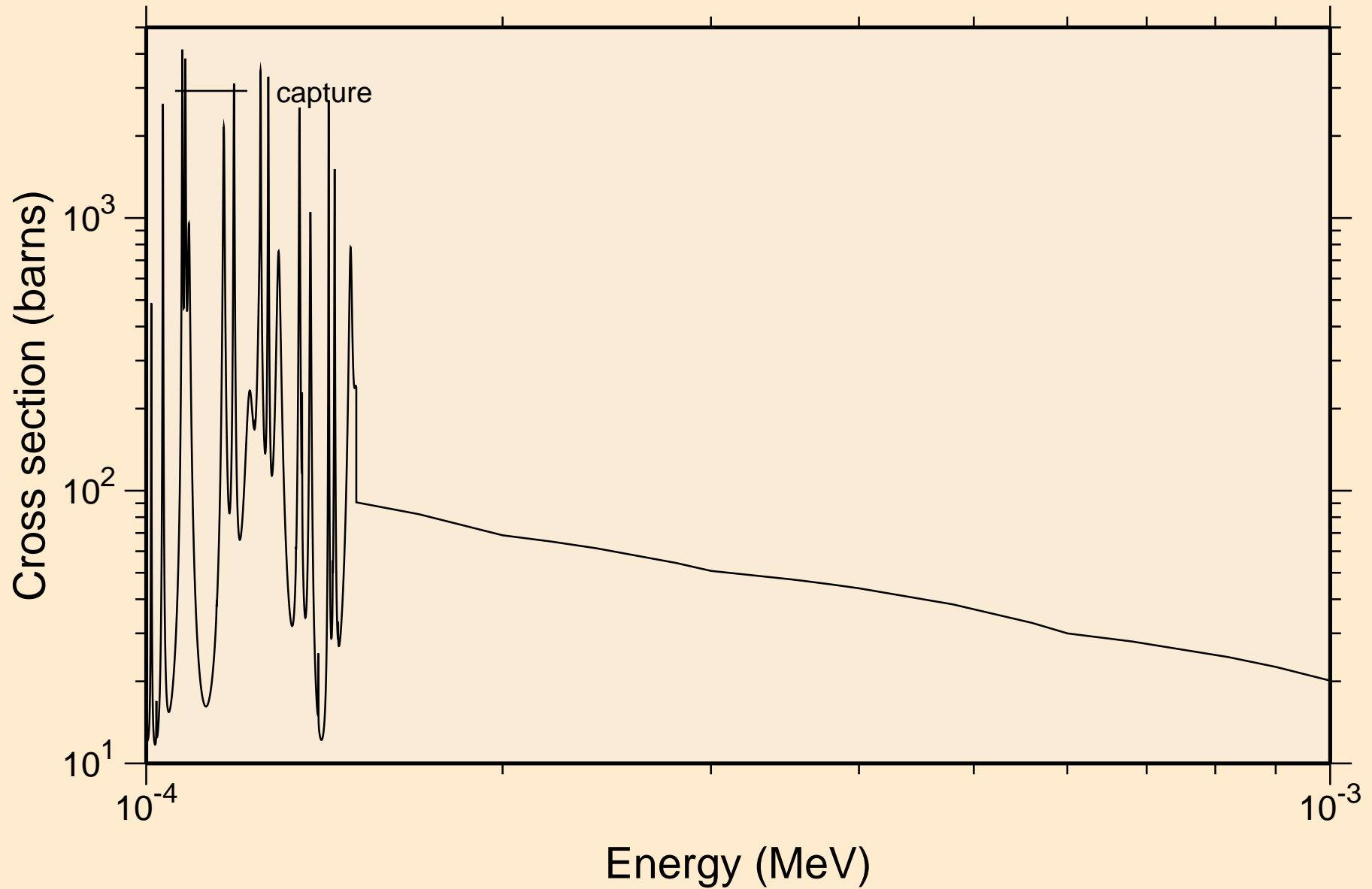
PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

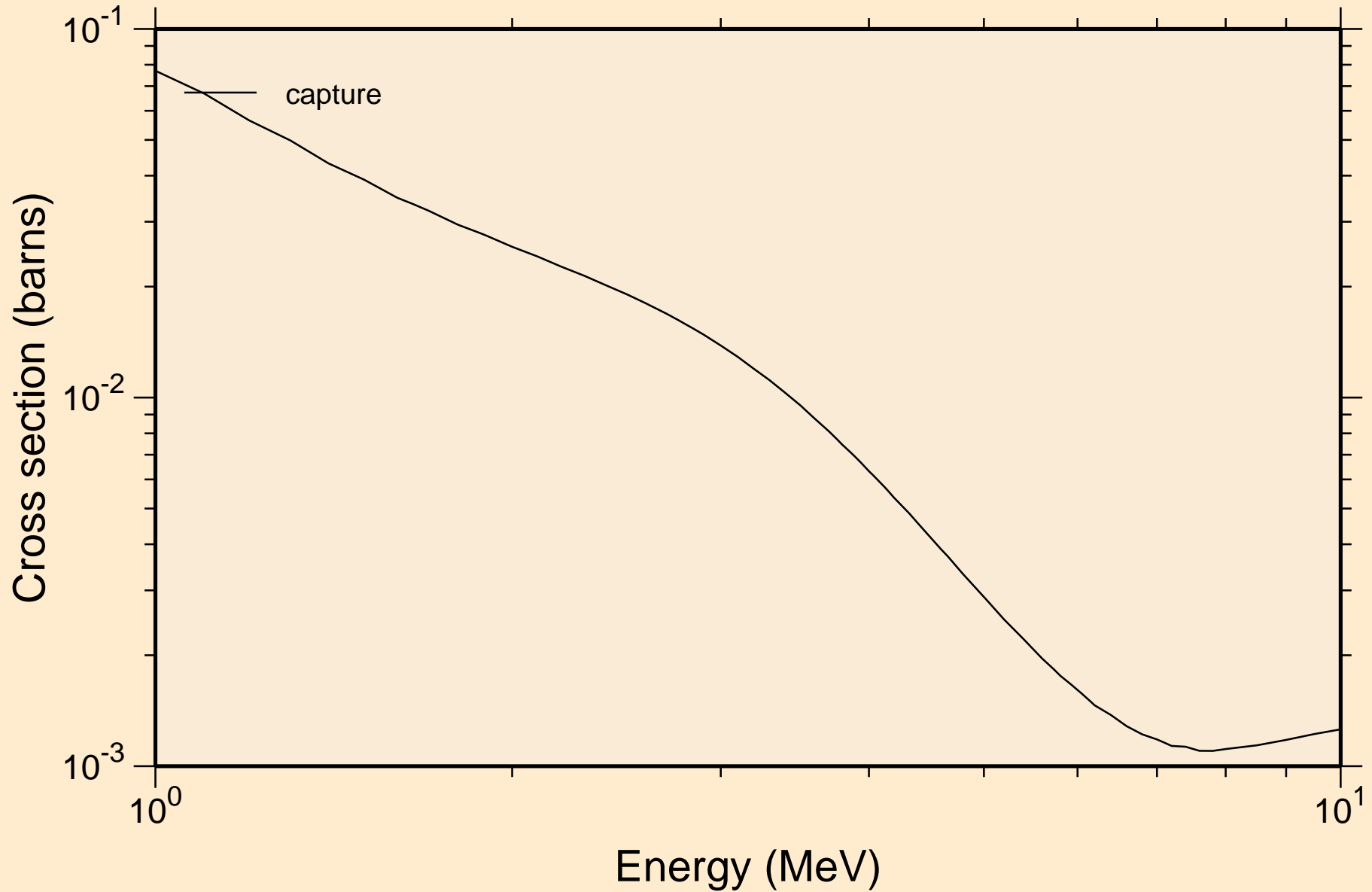


PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

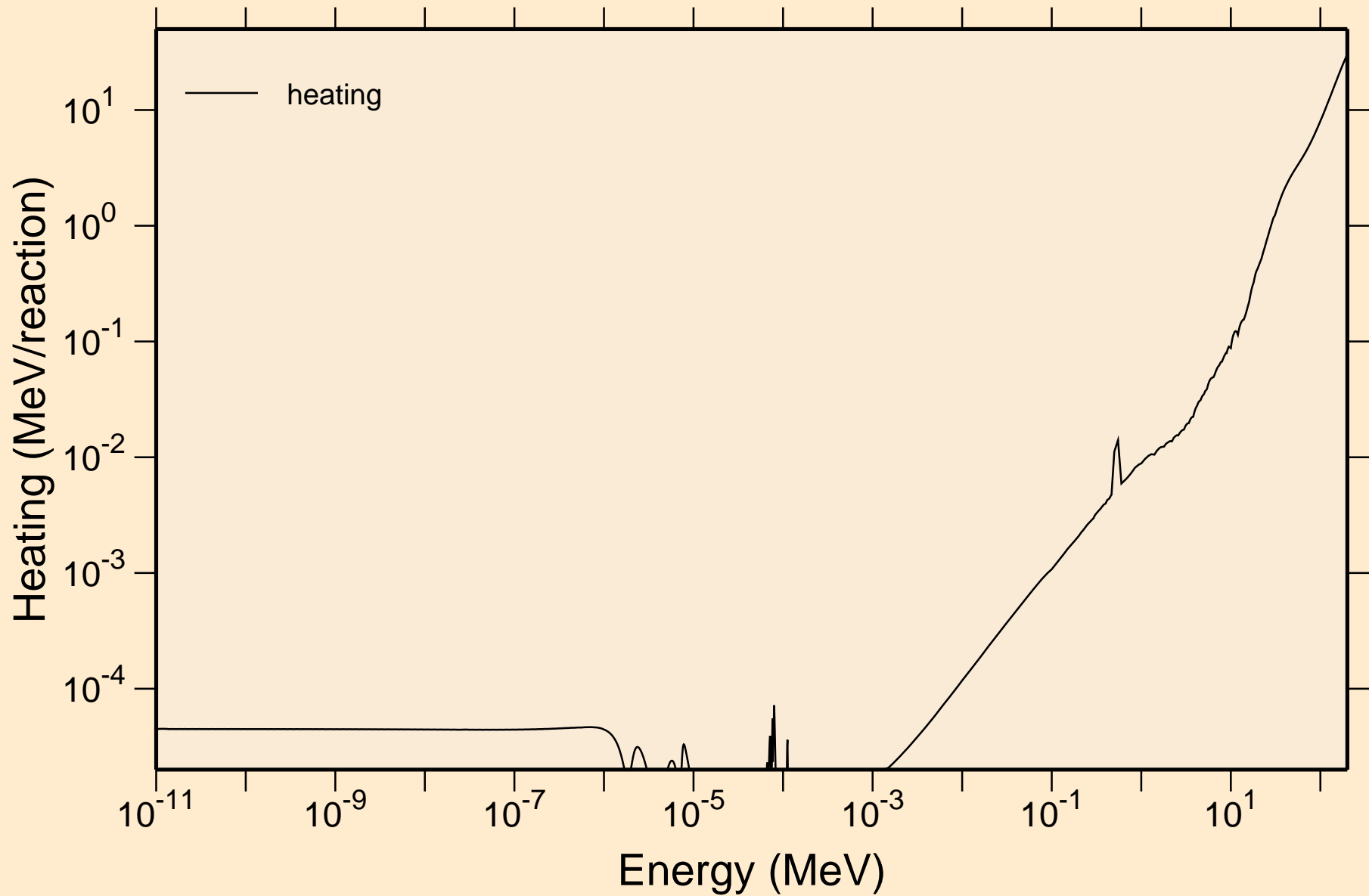




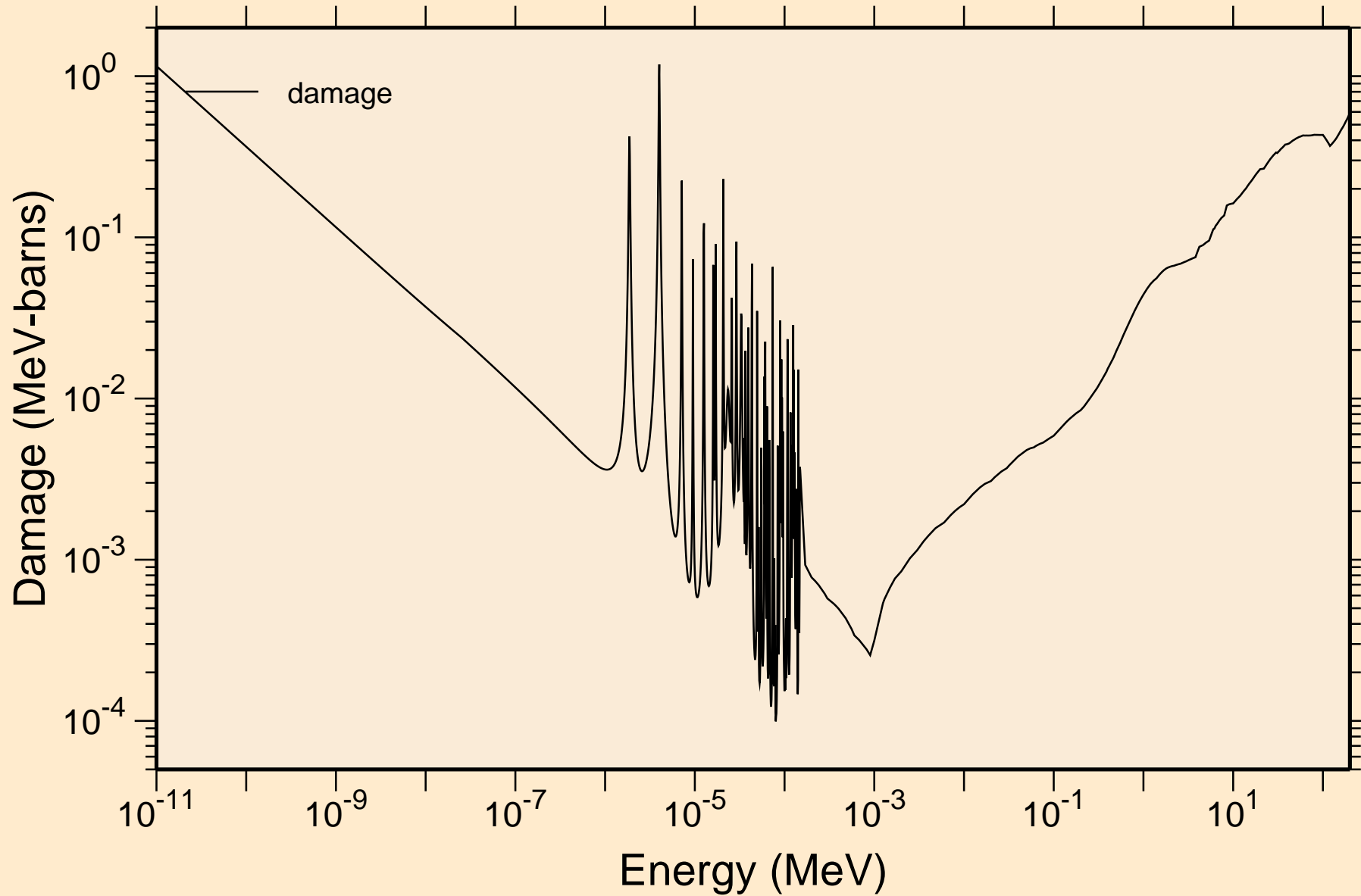
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resonance absorption cross sections



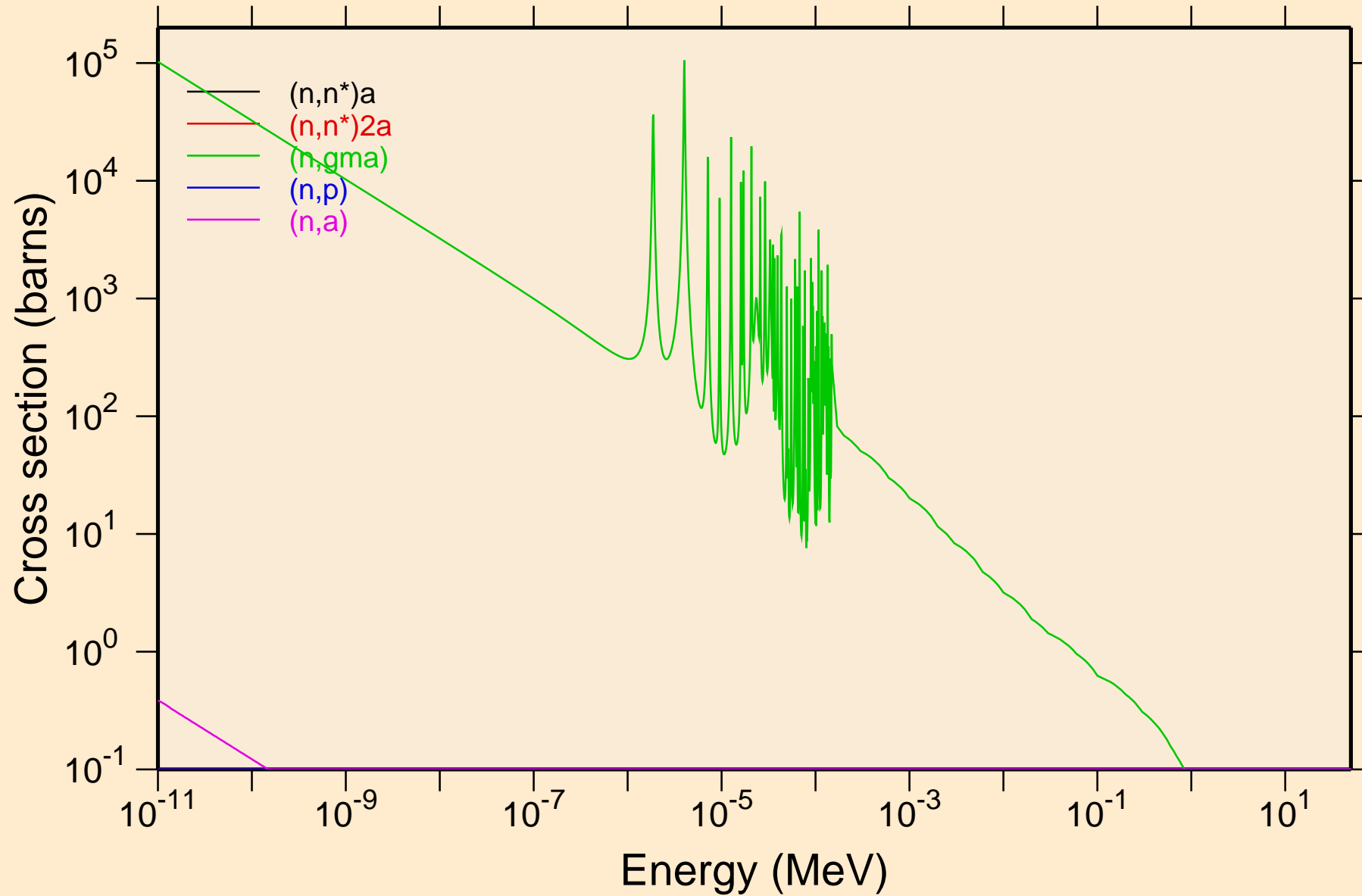
PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Heating



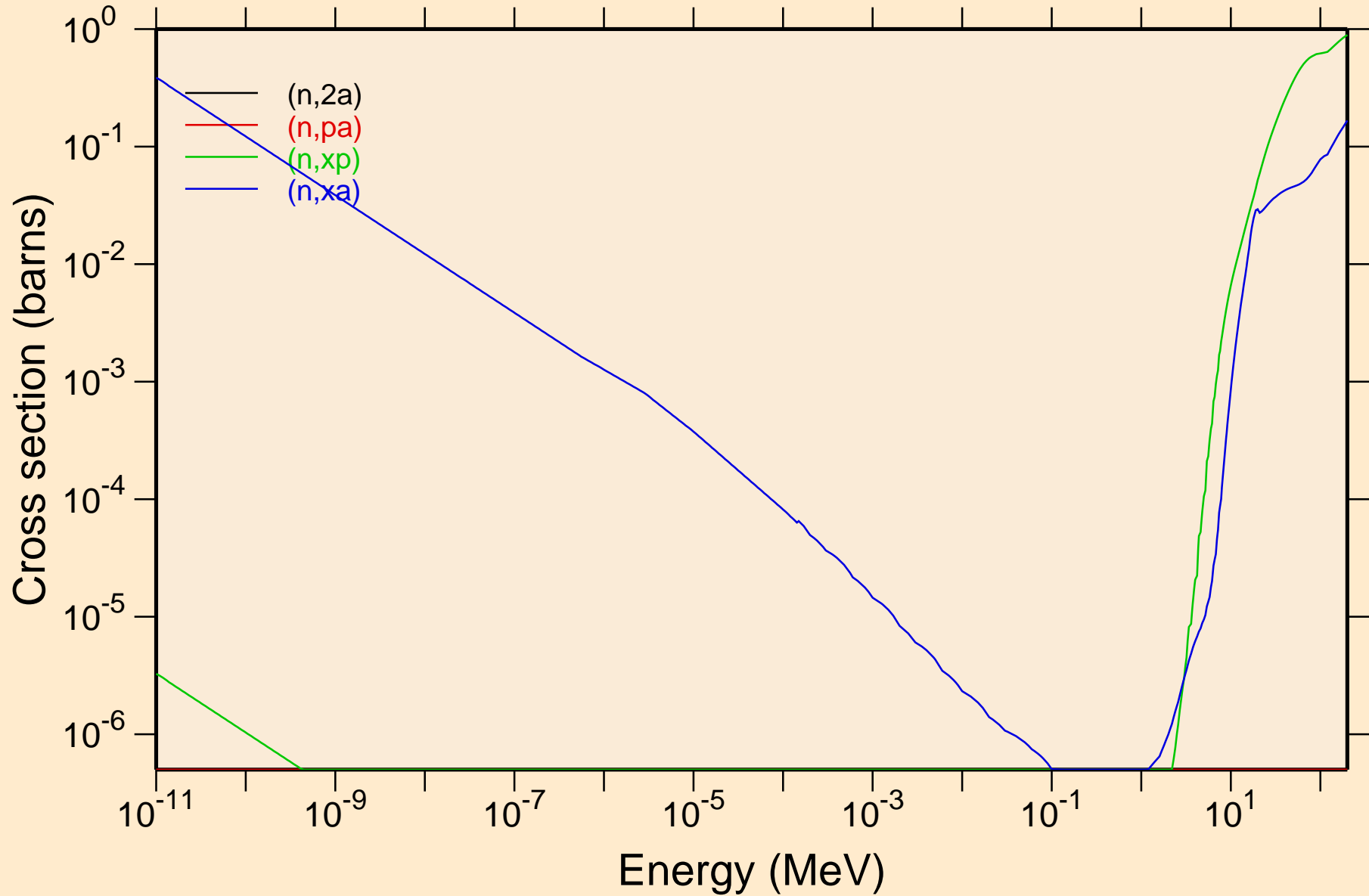
PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Damage



PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

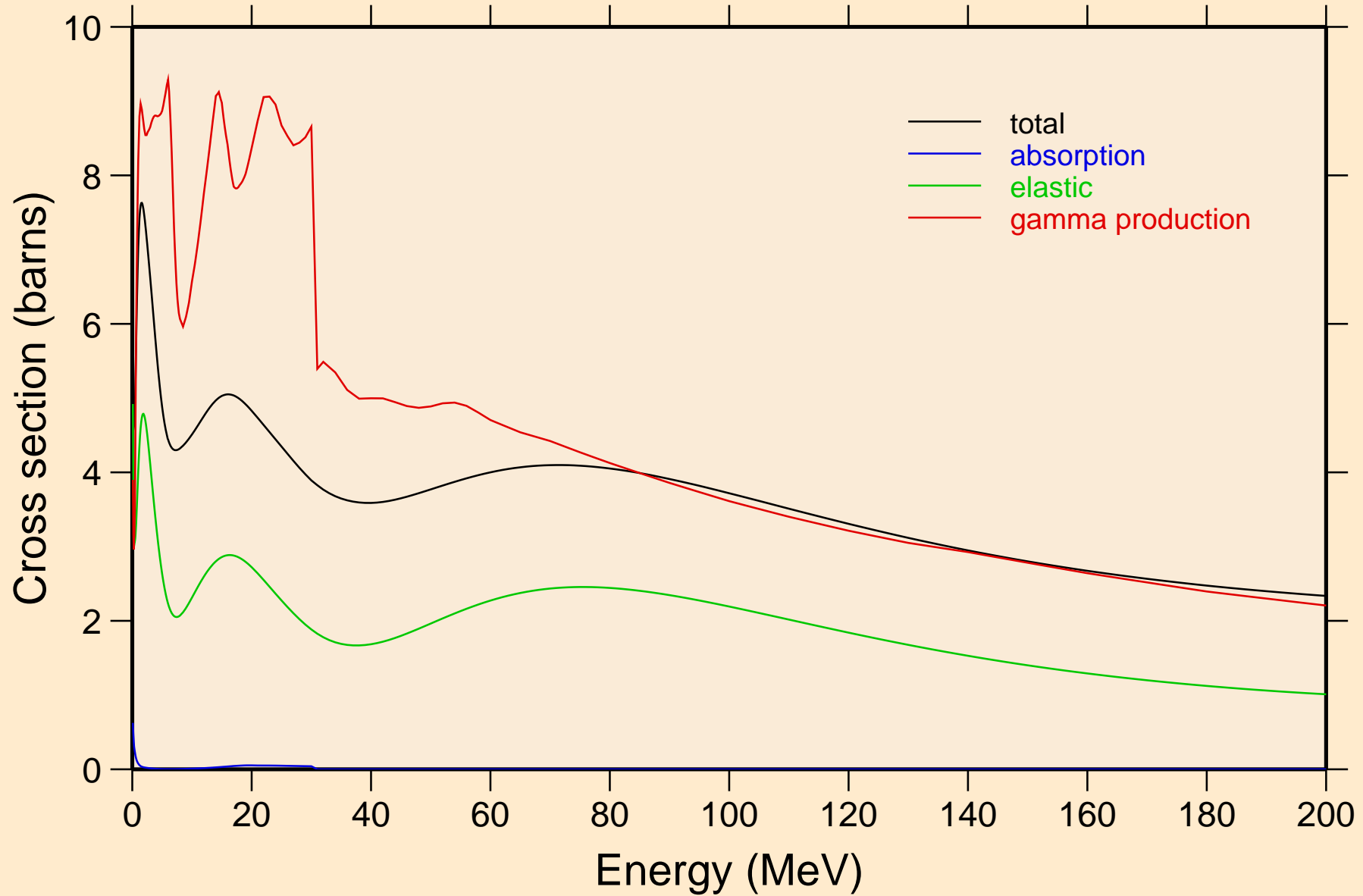


PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



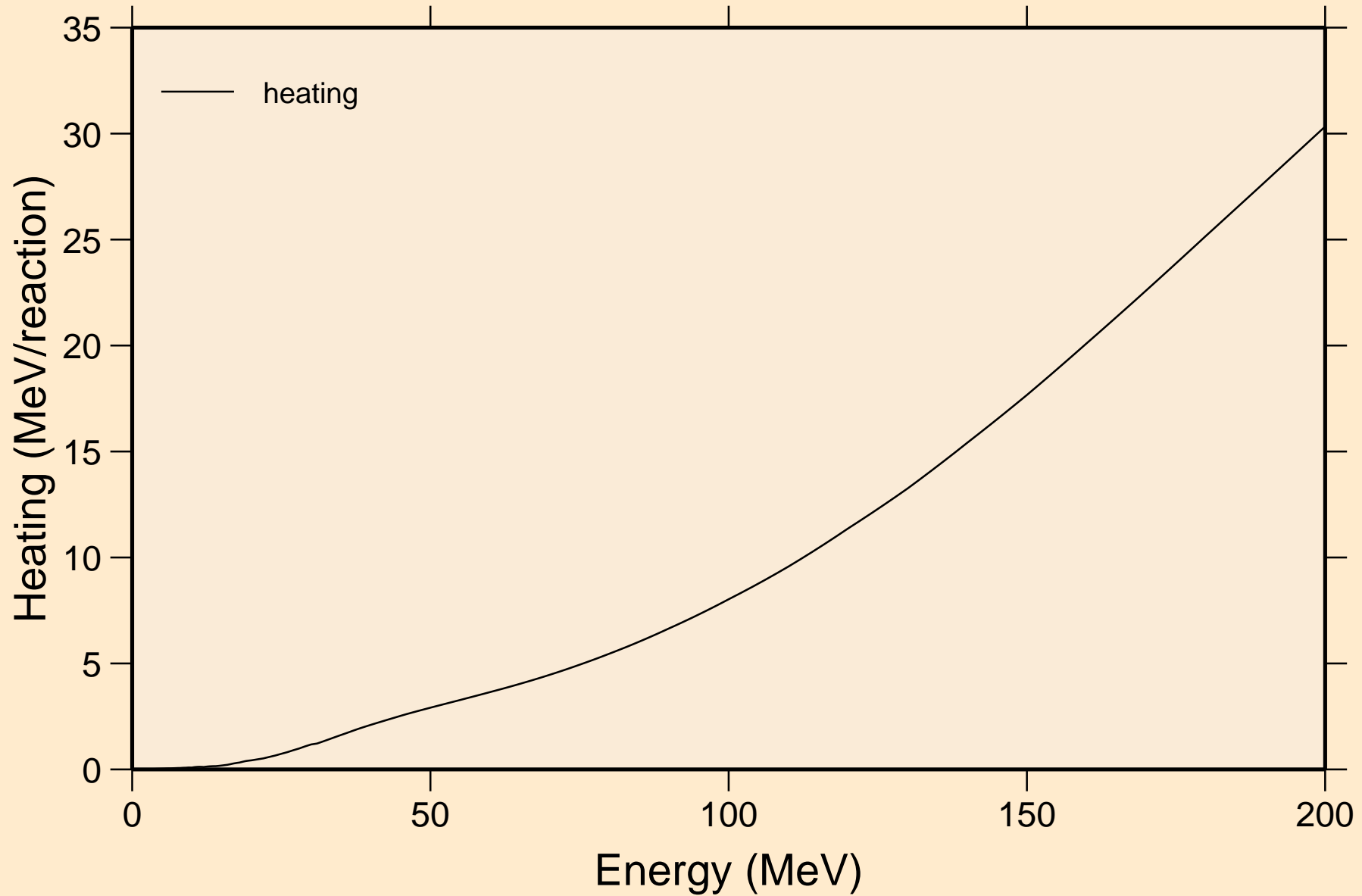
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## Principal cross sections

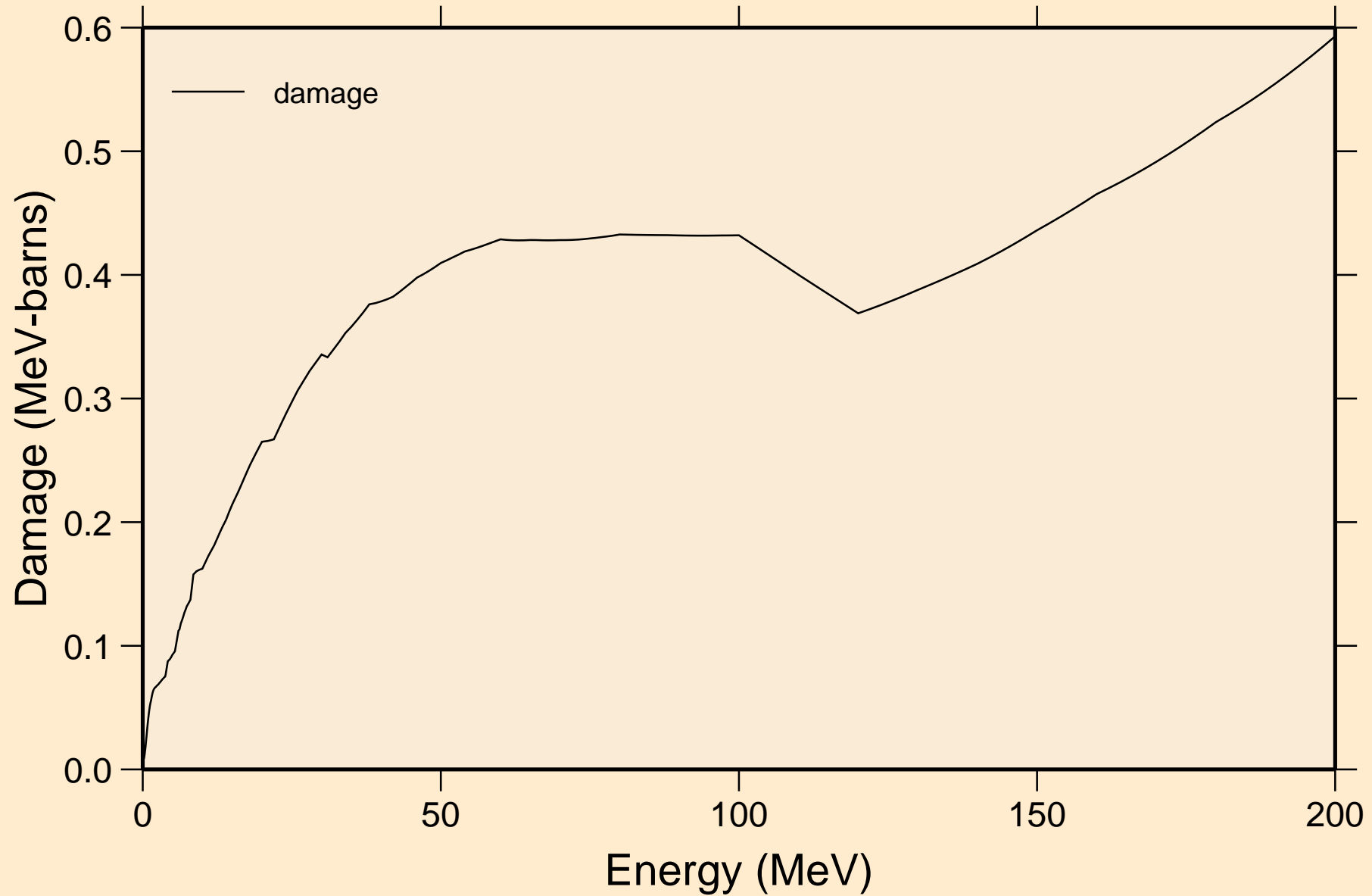


PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Heating



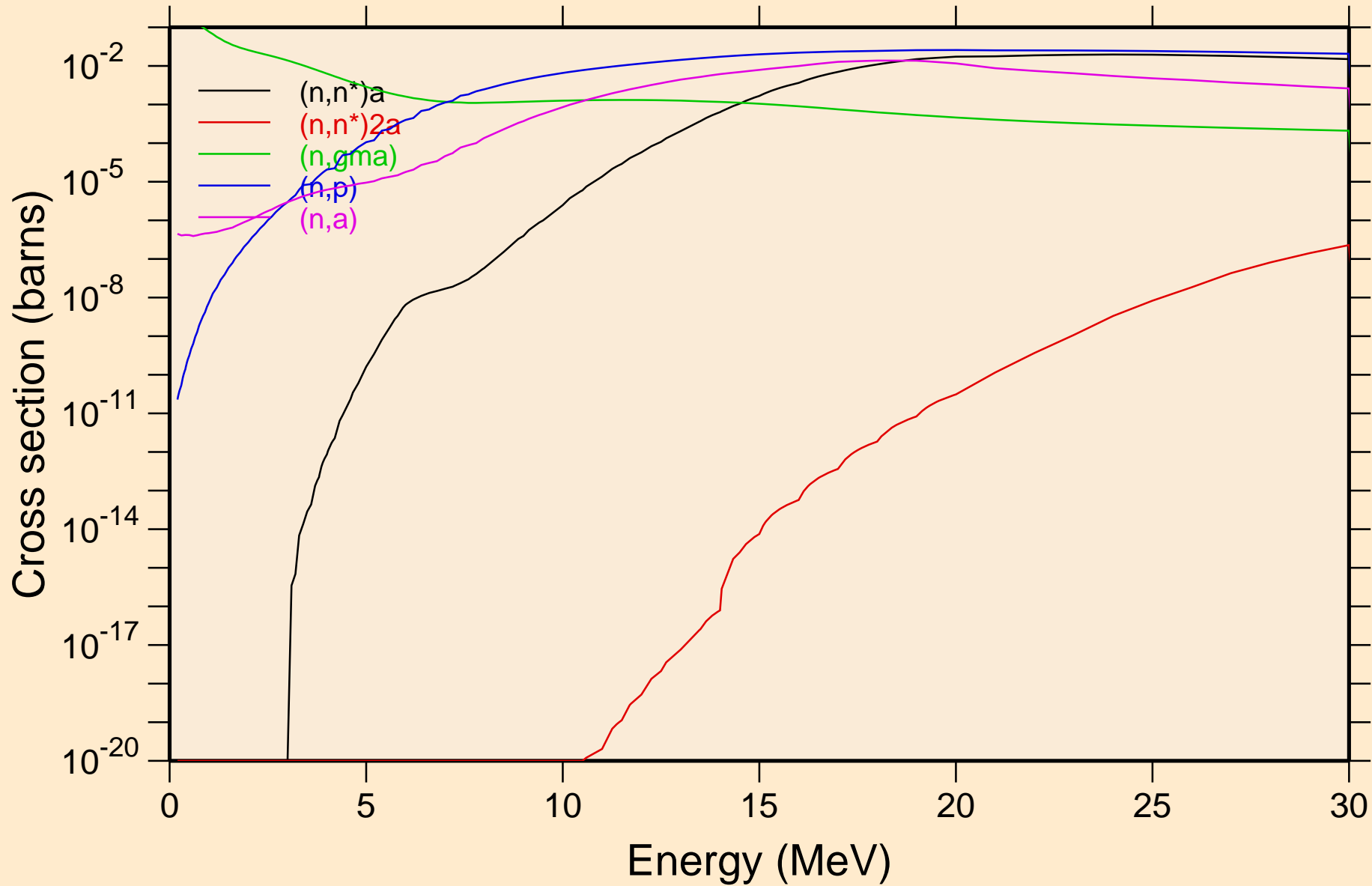
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Damage



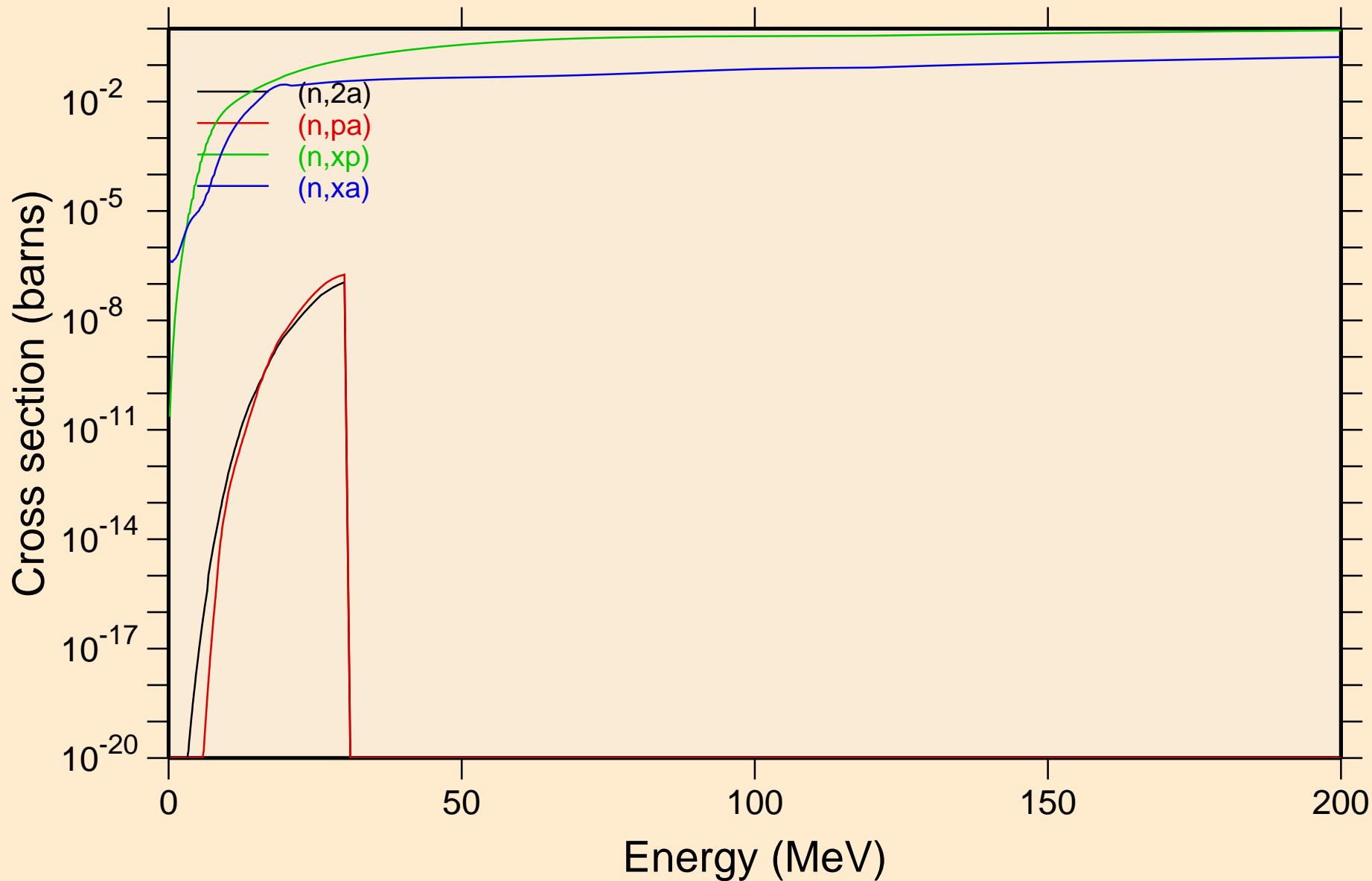


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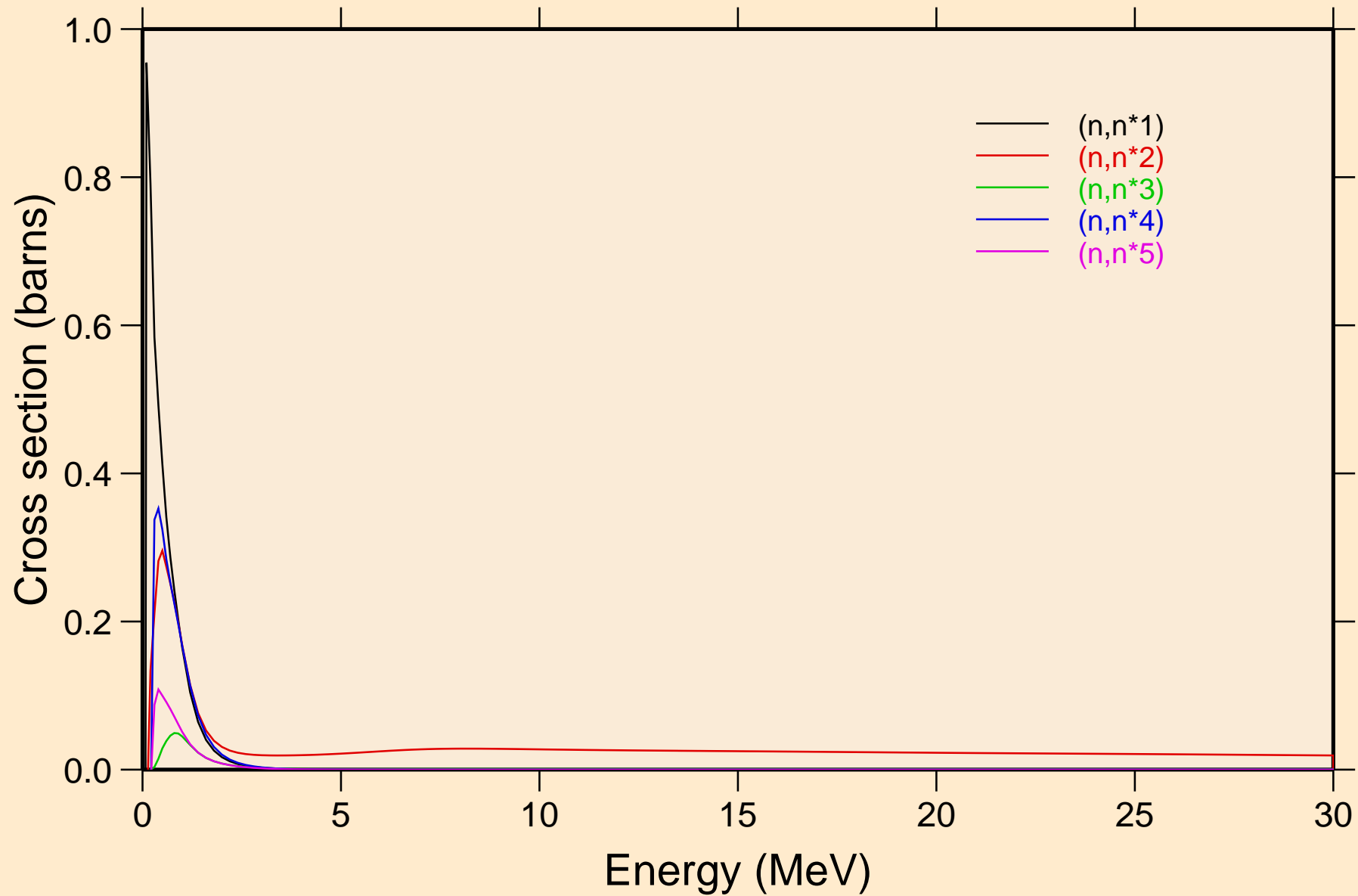
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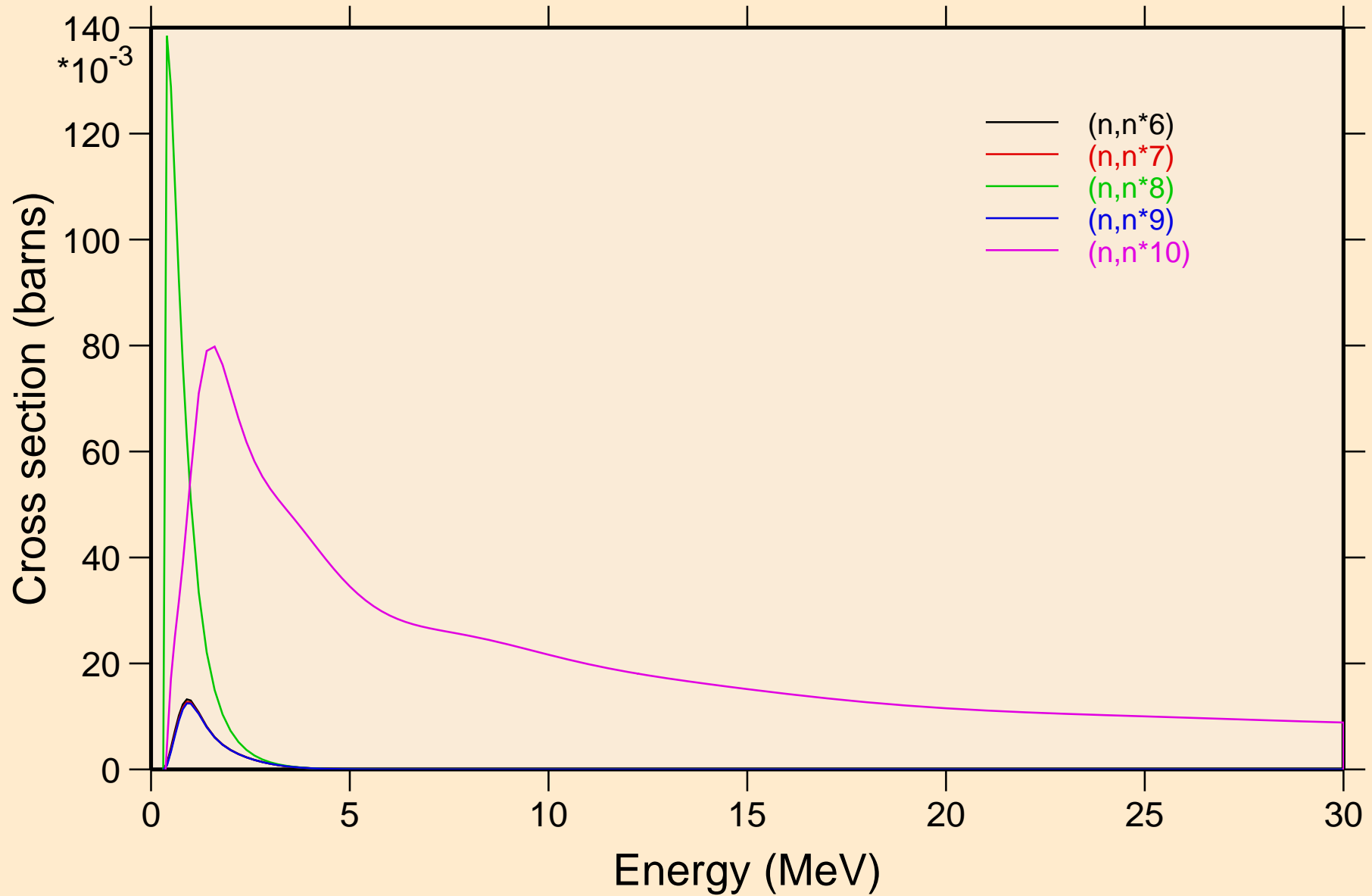
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Non-threshold reactions



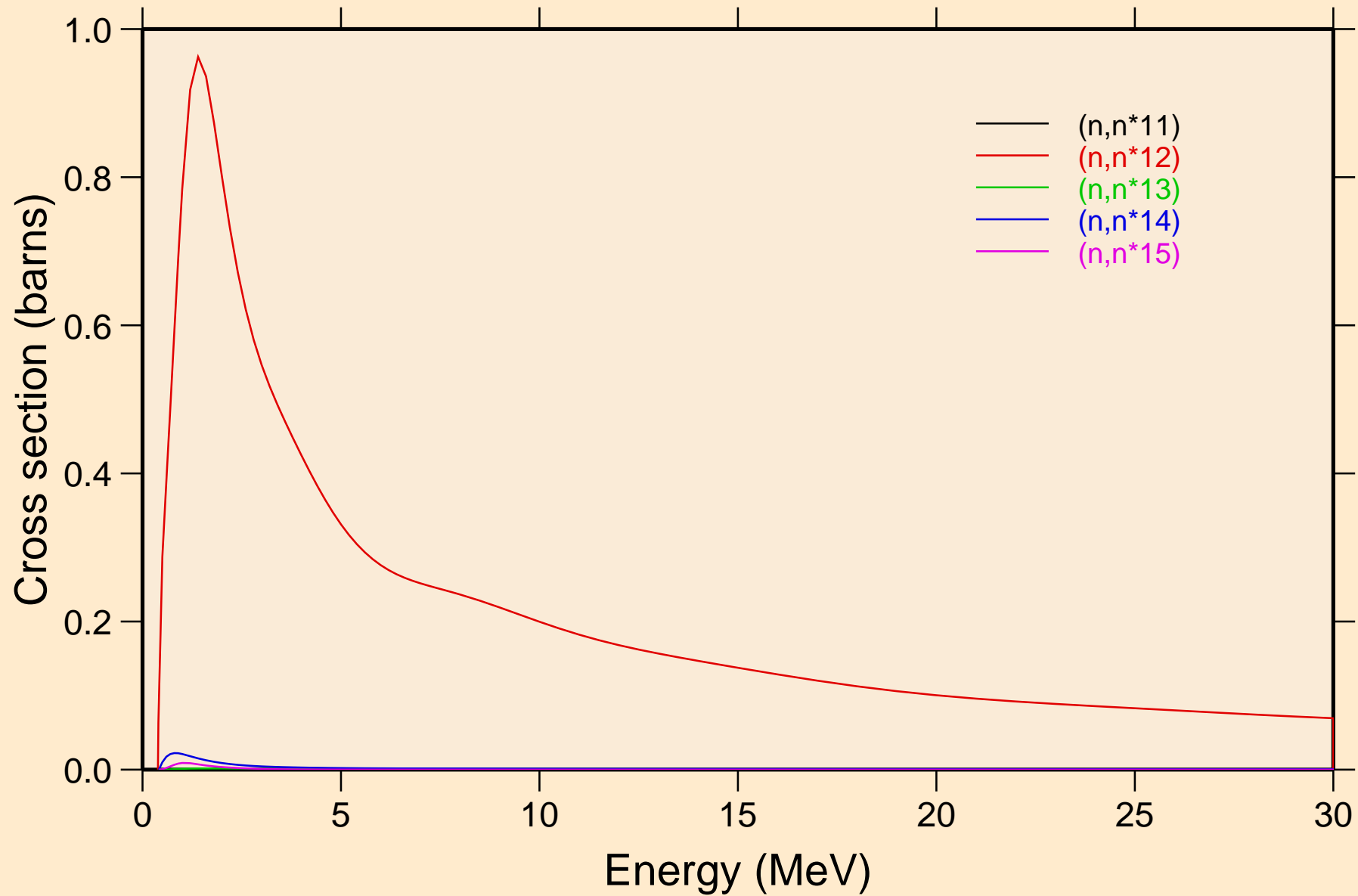
PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



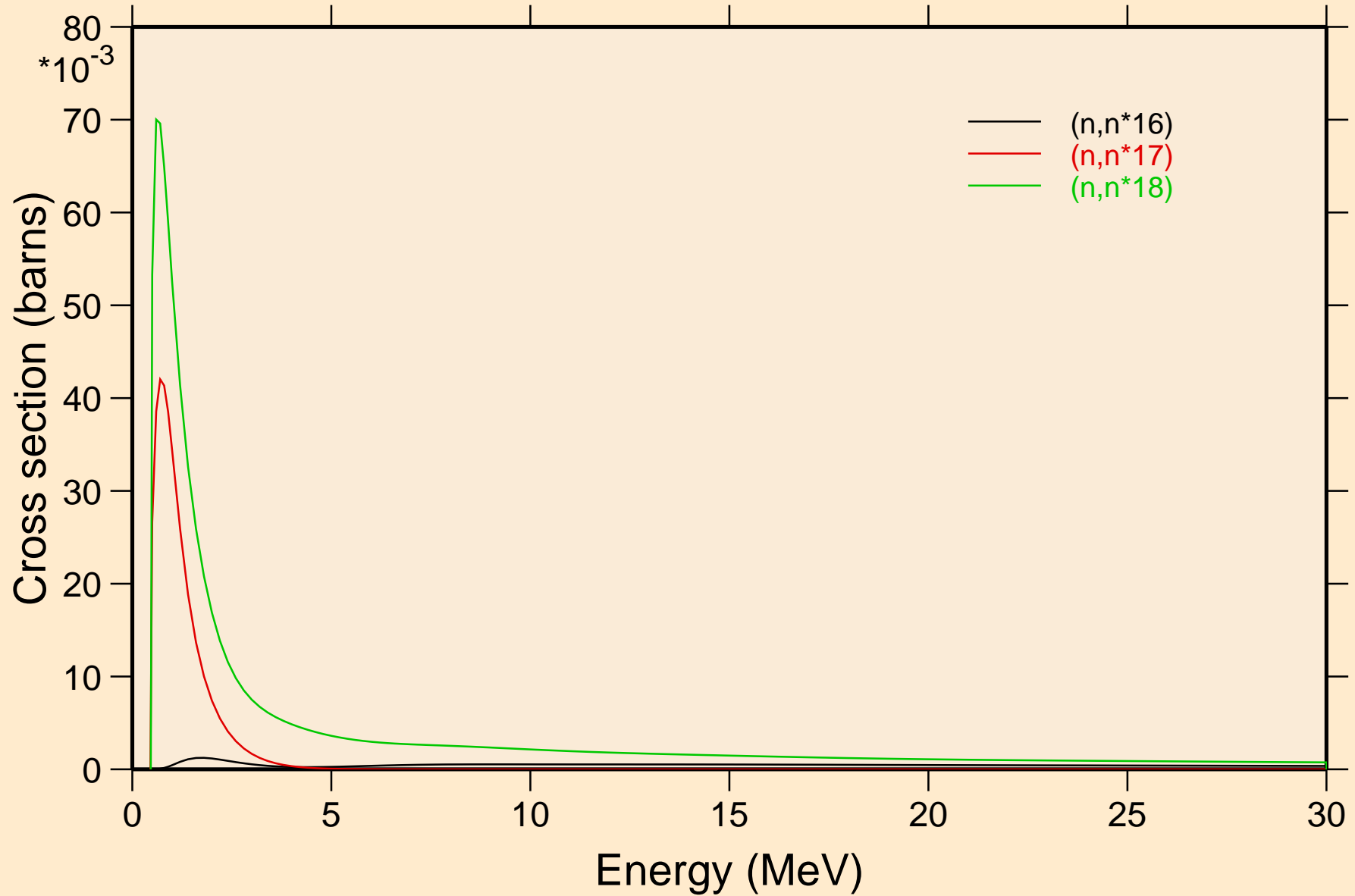
PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



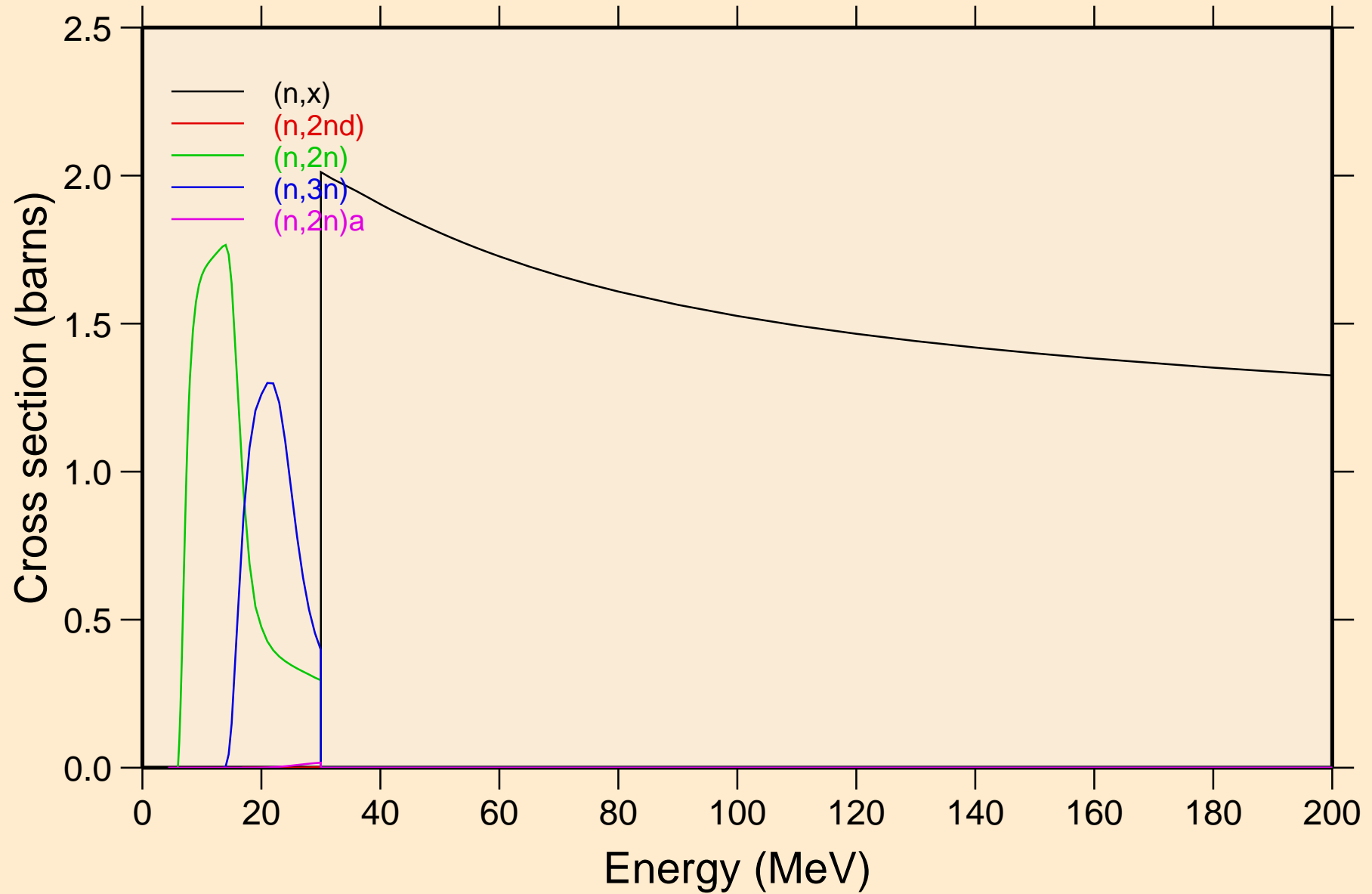
PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

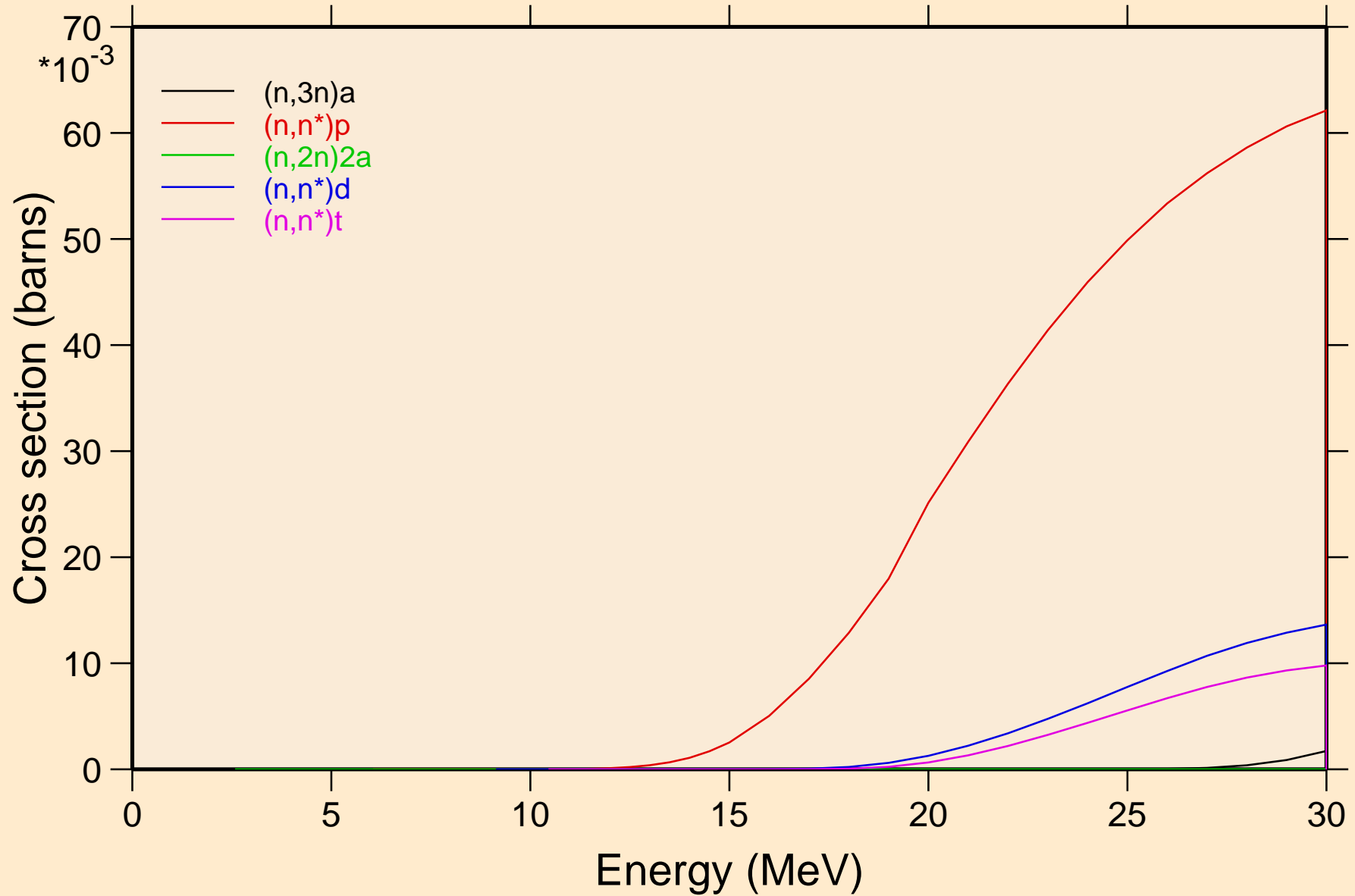


PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



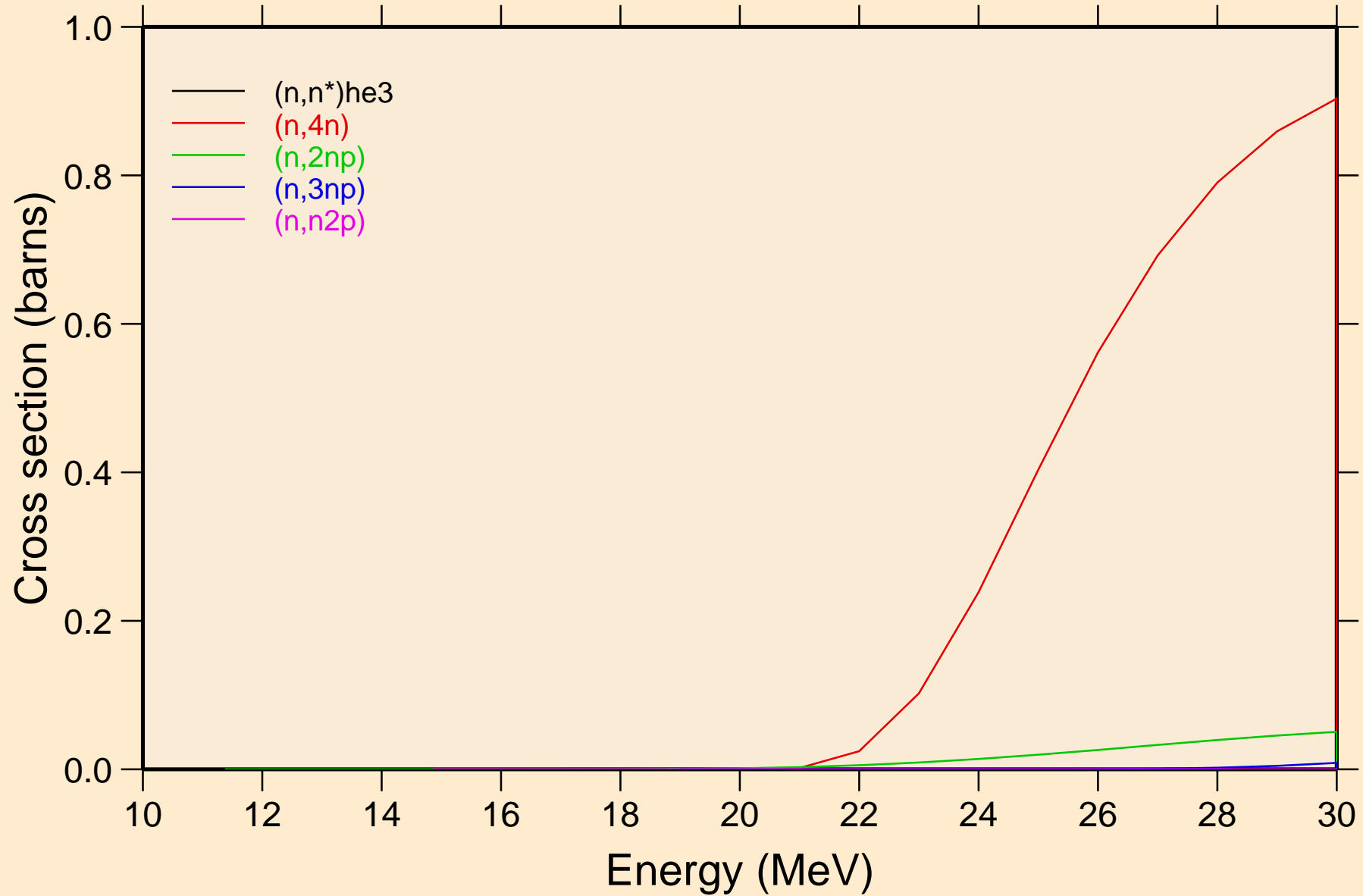
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## Threshold reactions

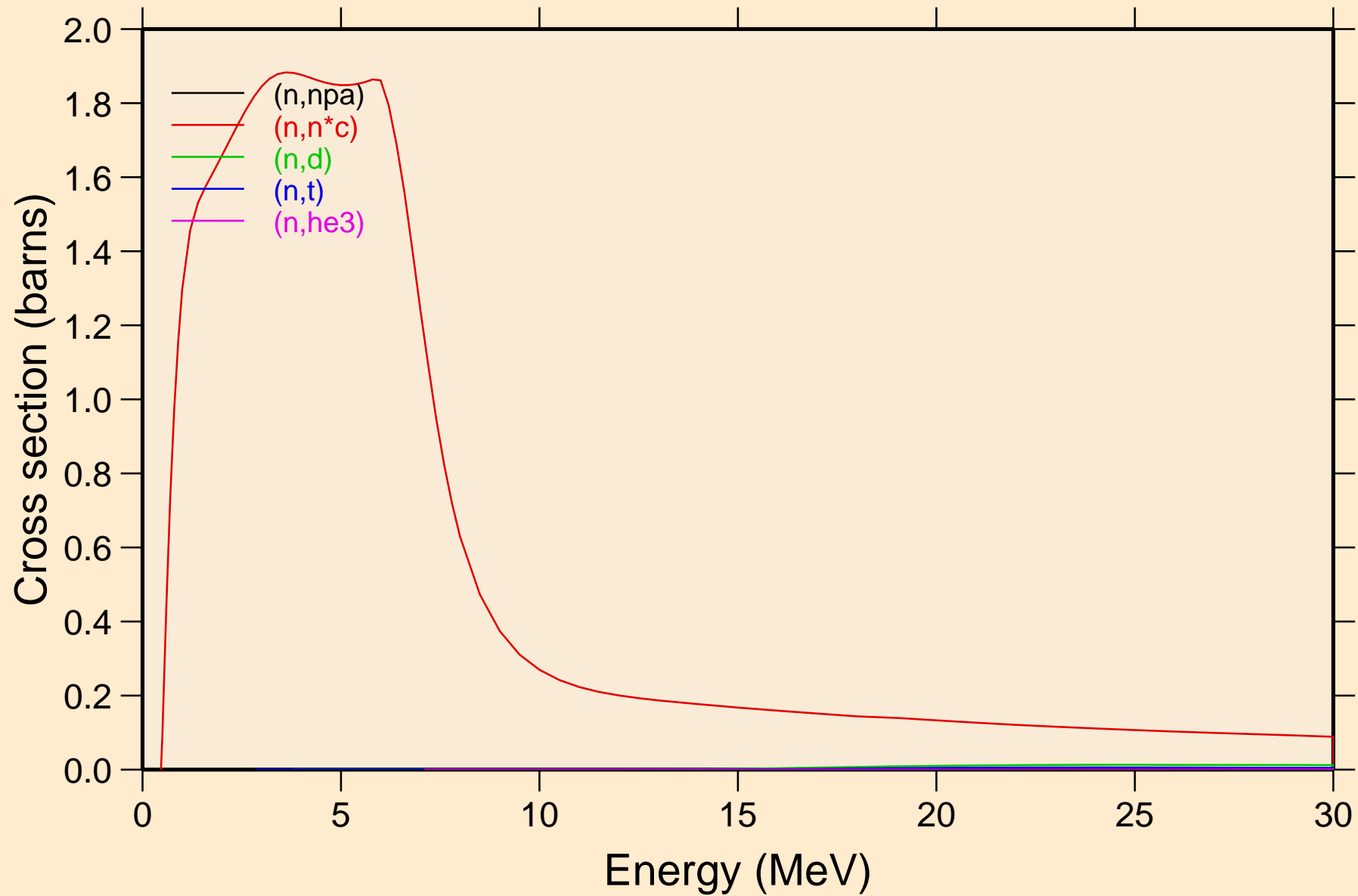




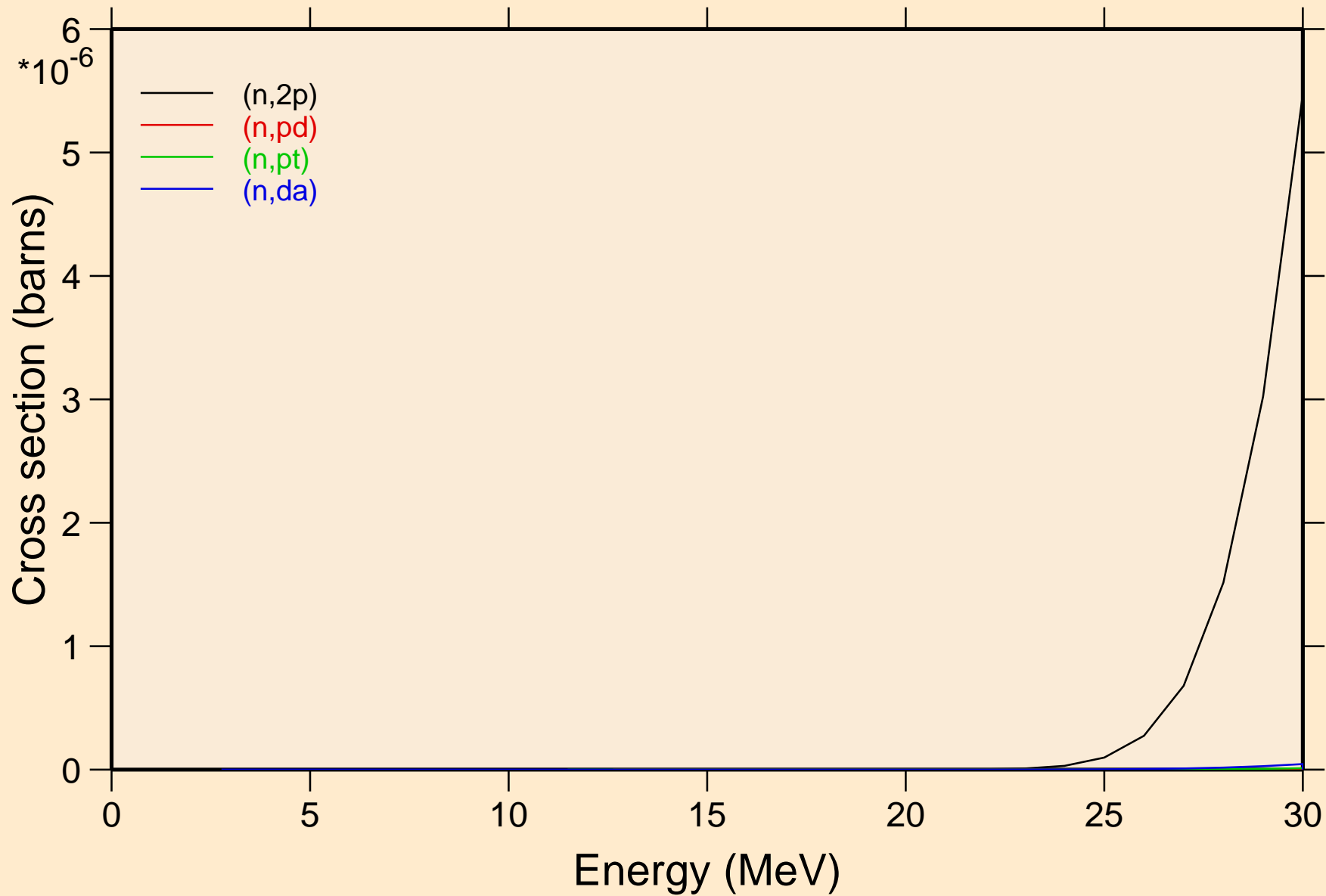
PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



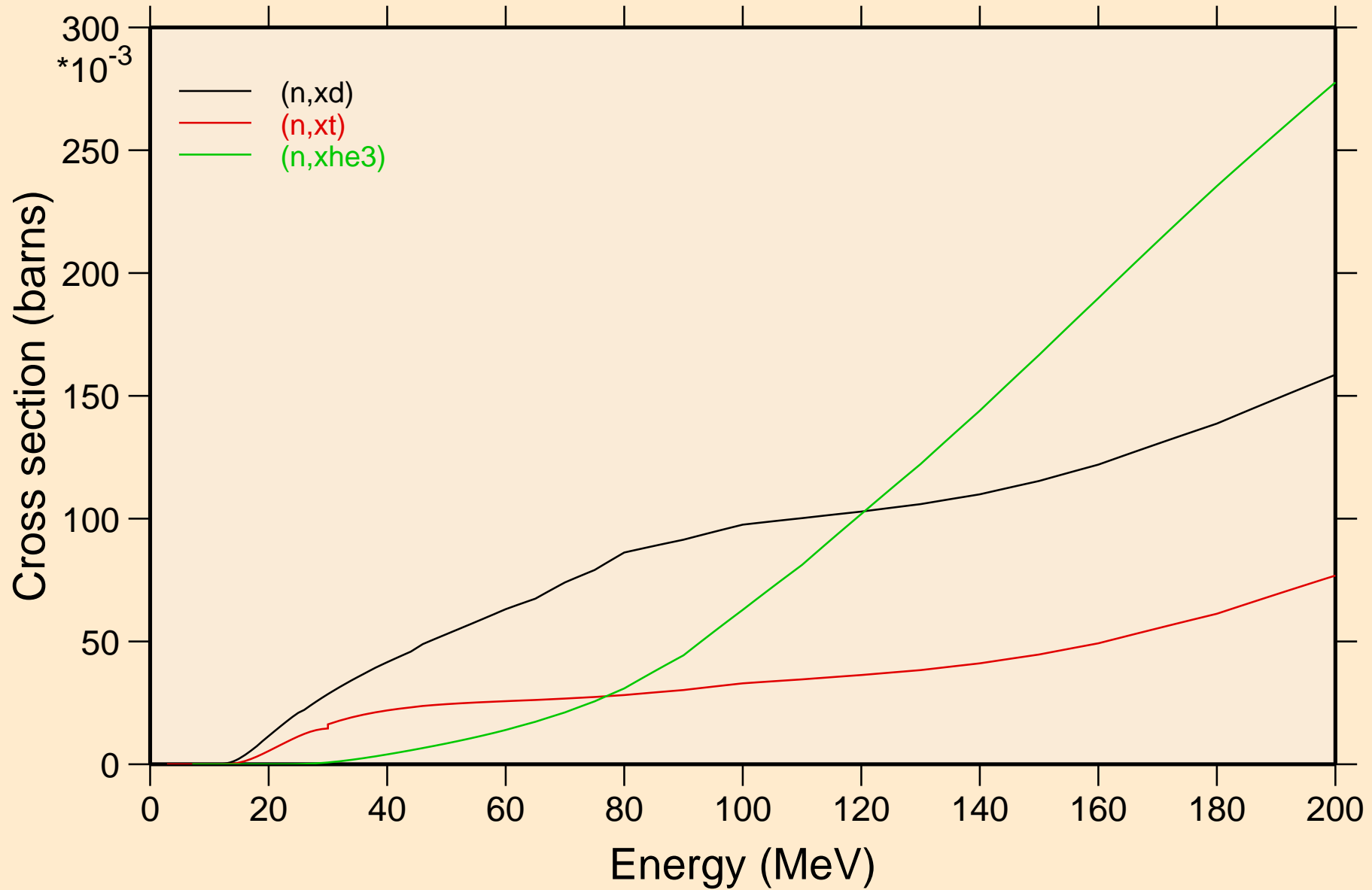
PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



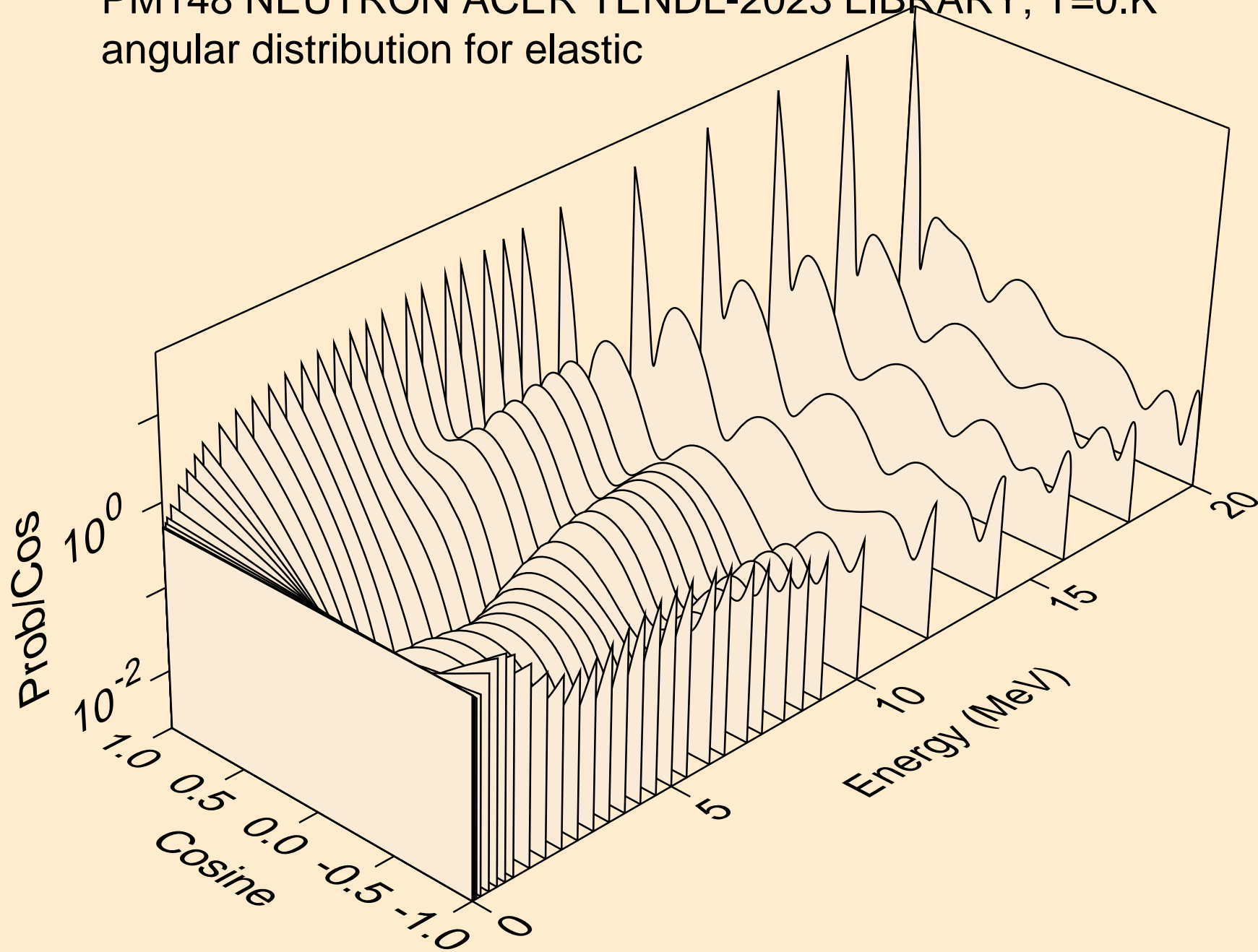
PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



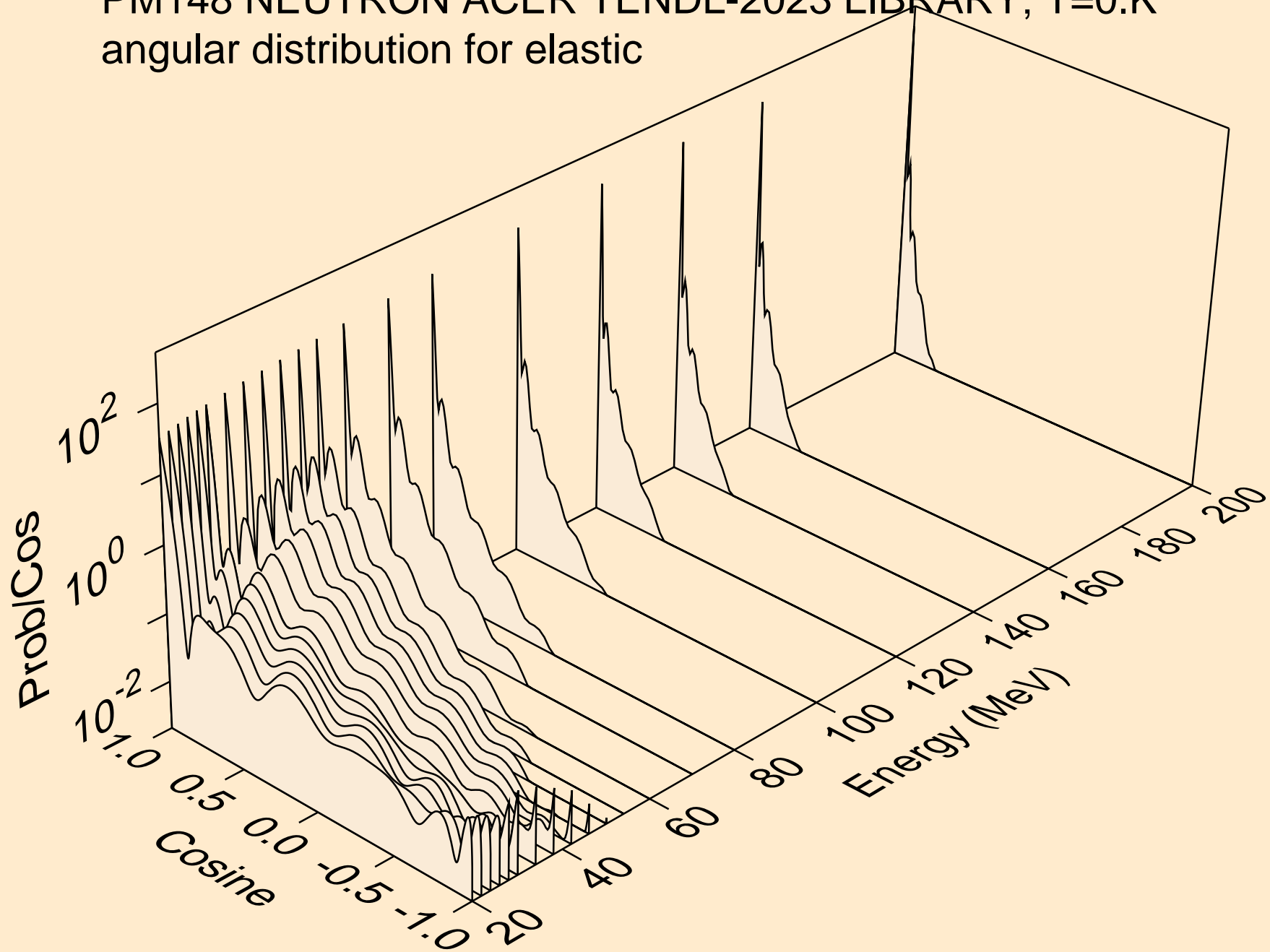
PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



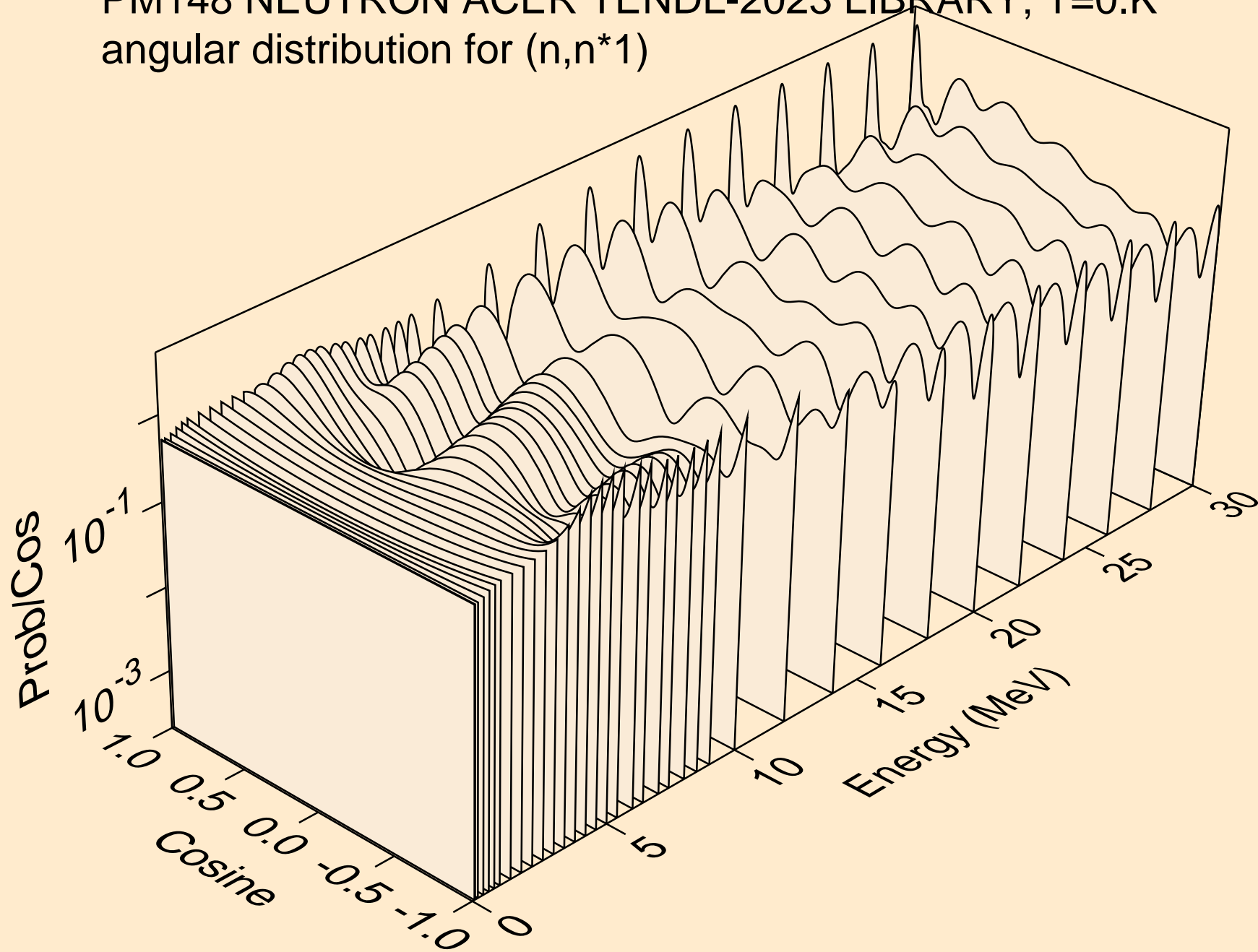
PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



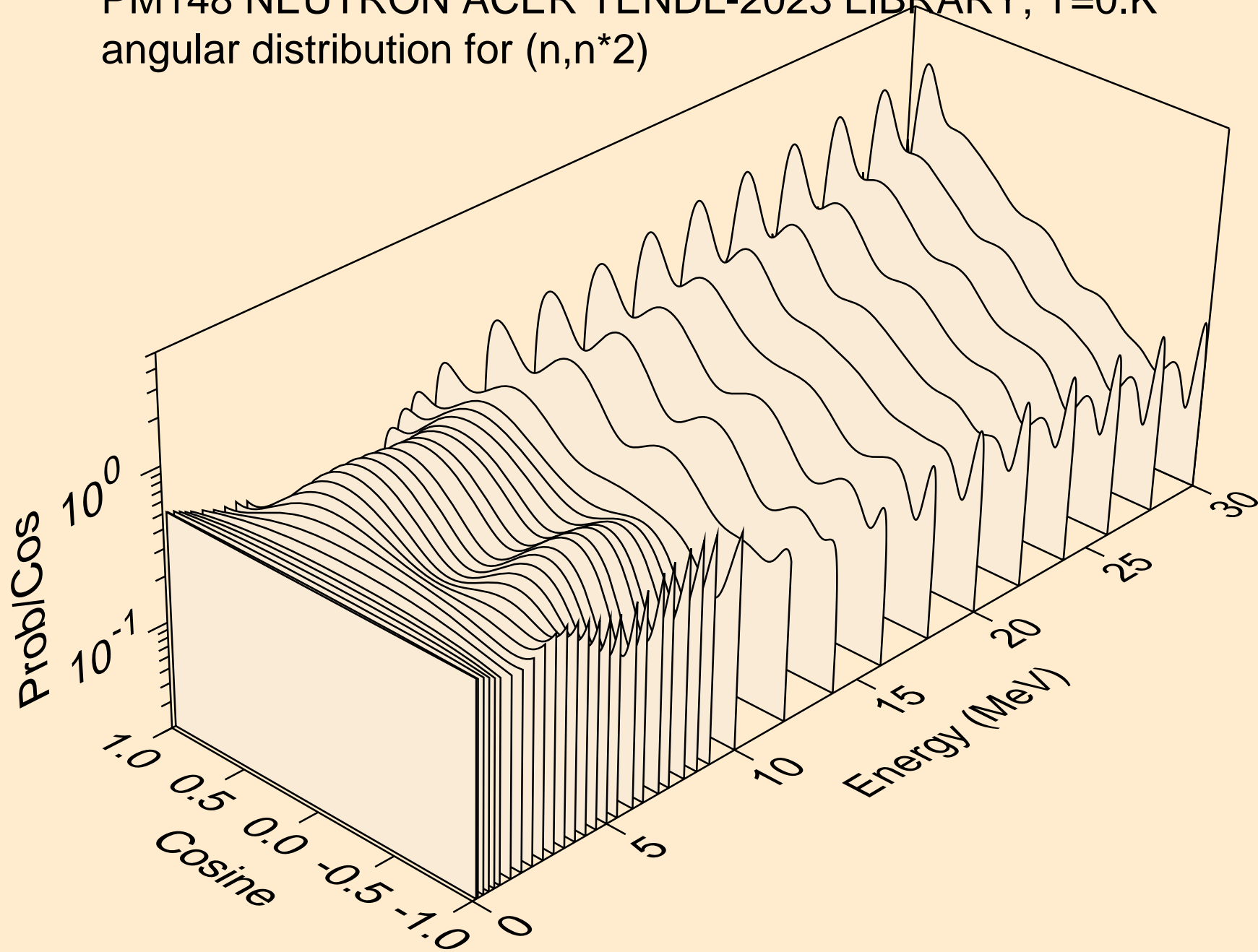
PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*1)

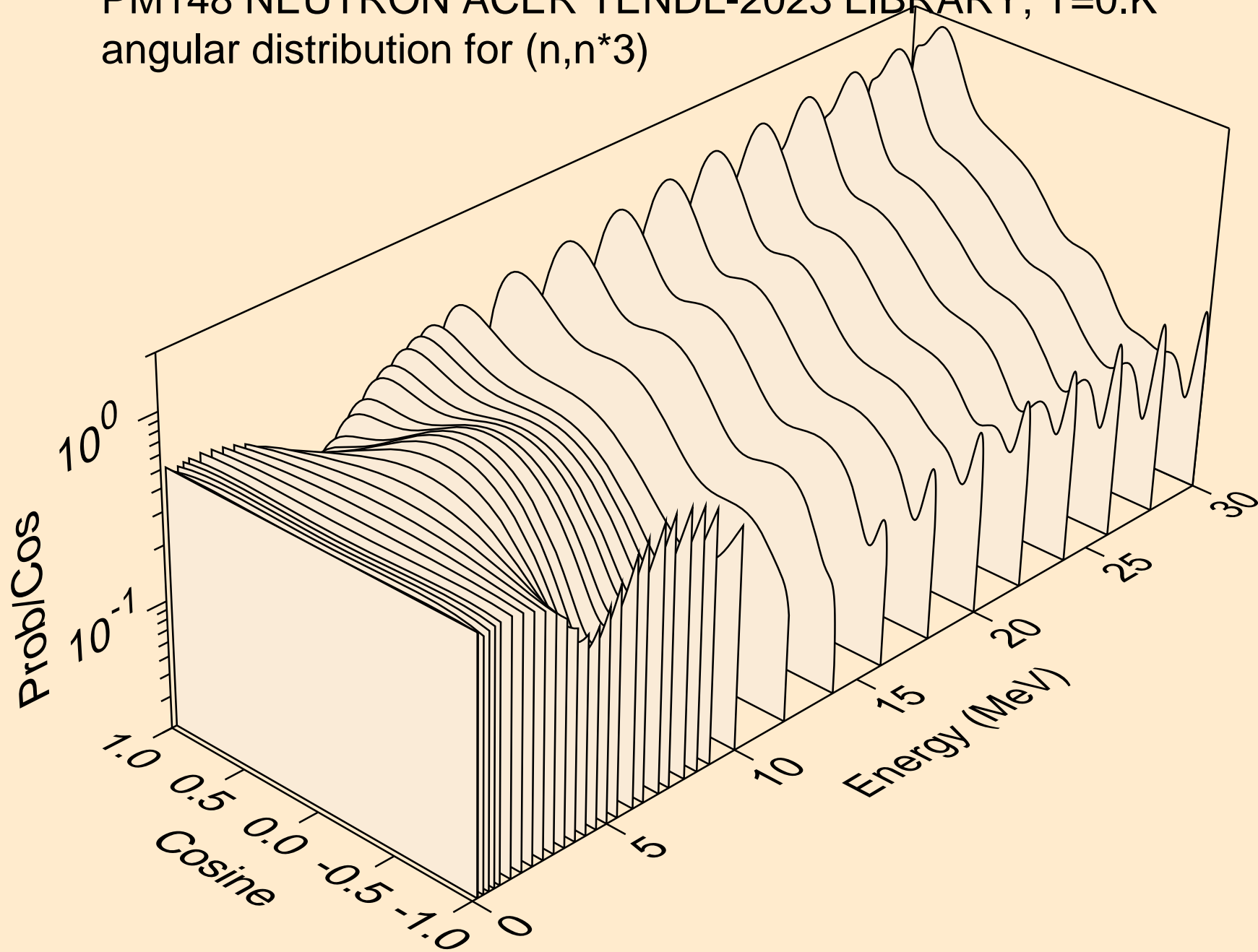


PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*2)

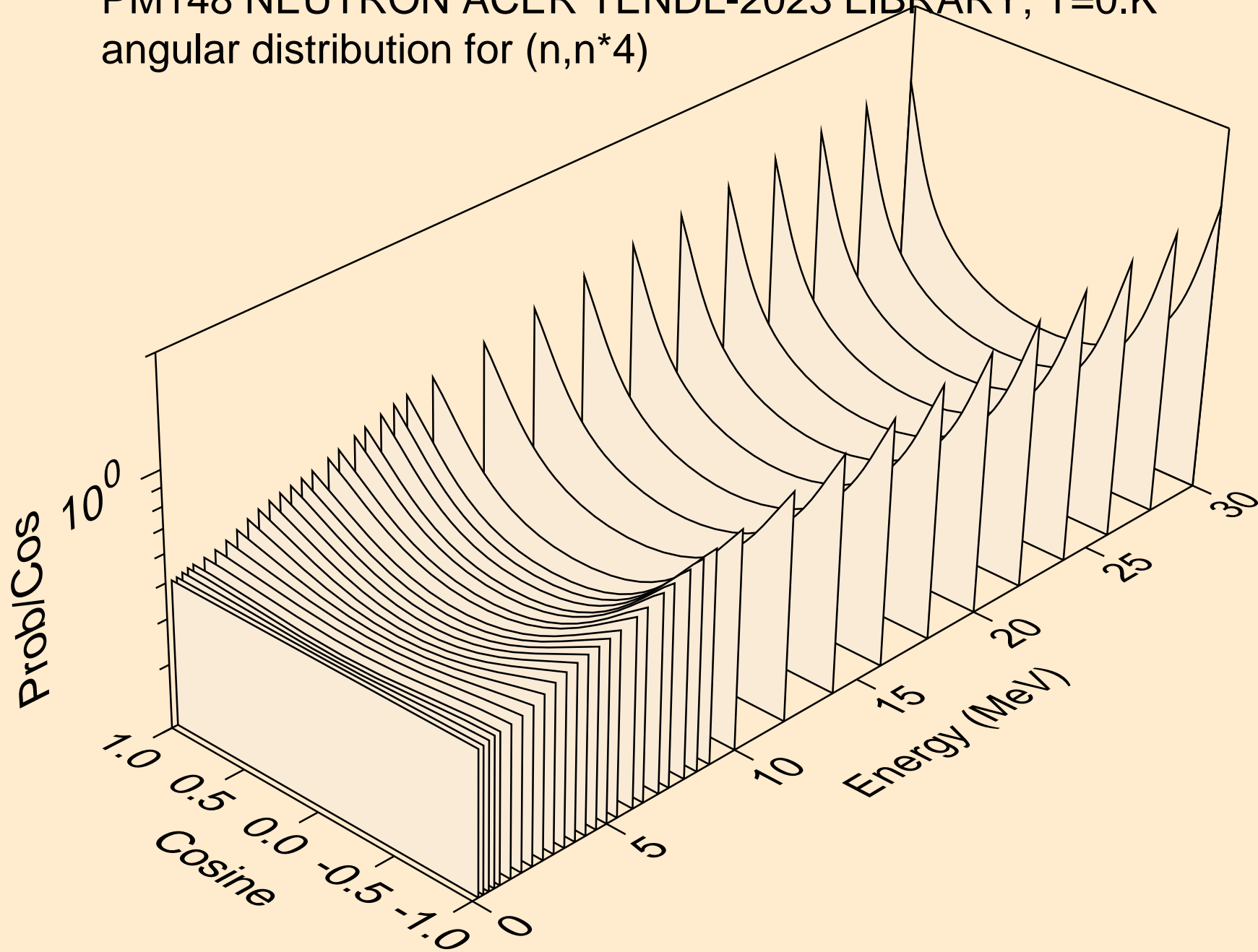




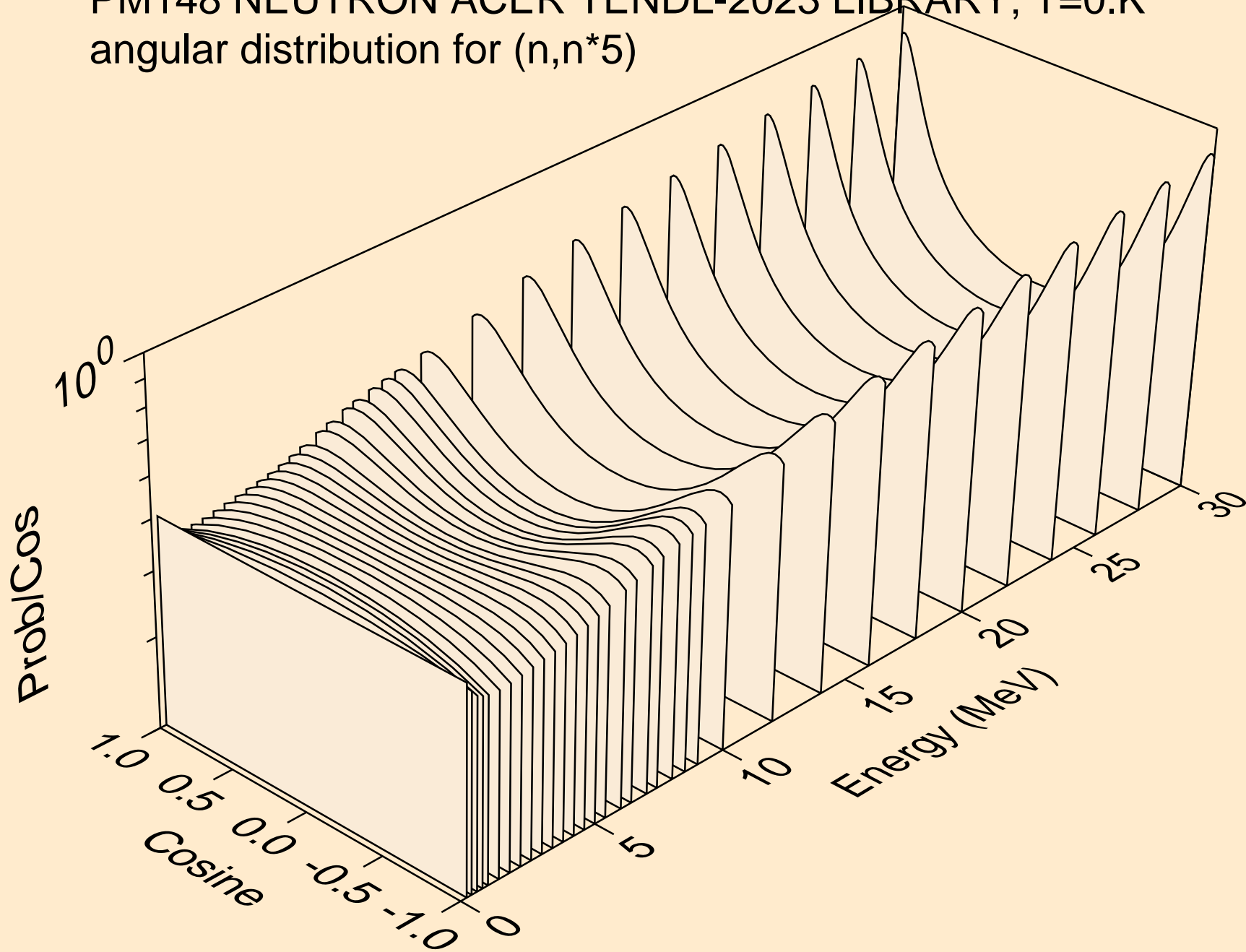
PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*3)



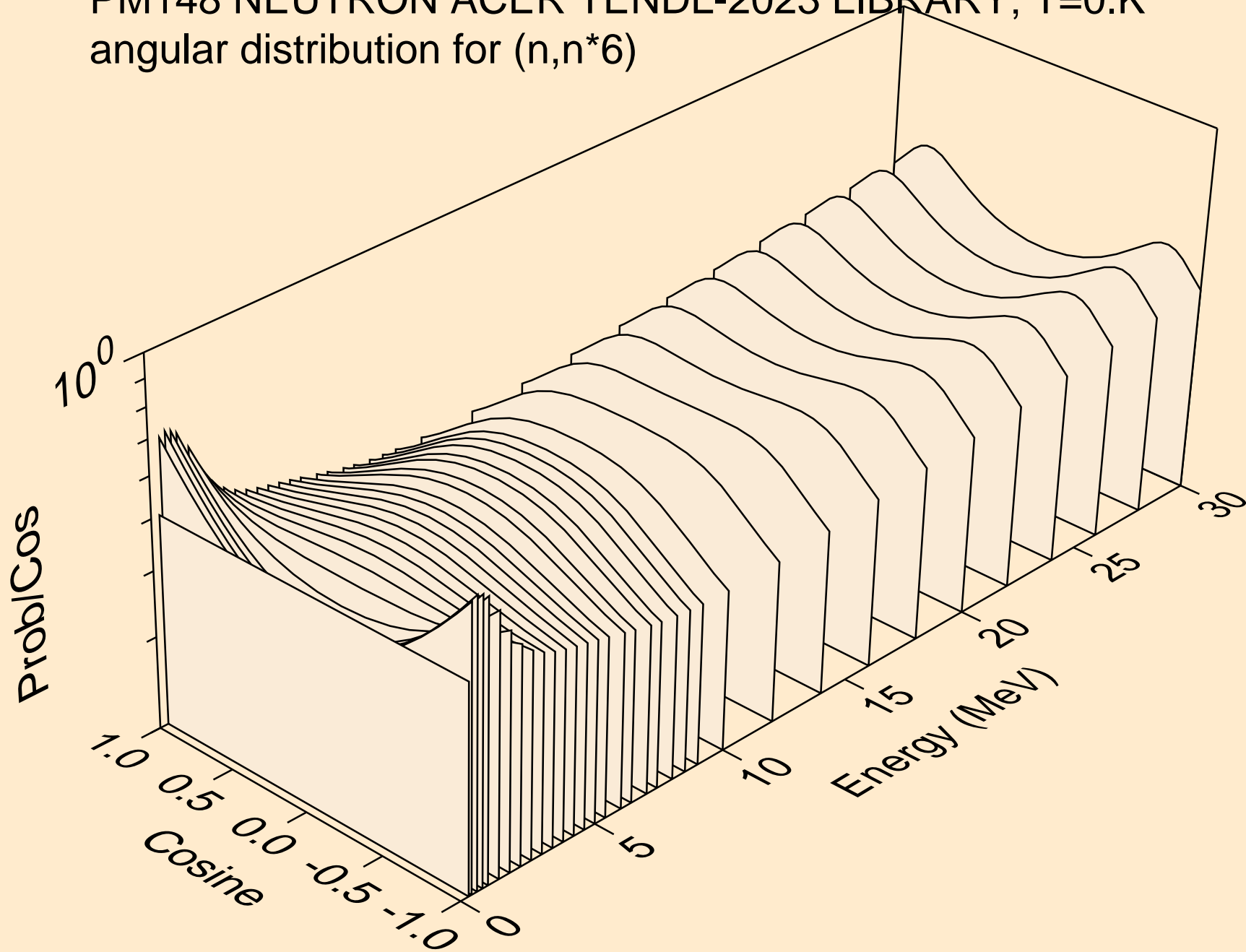
PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*4)



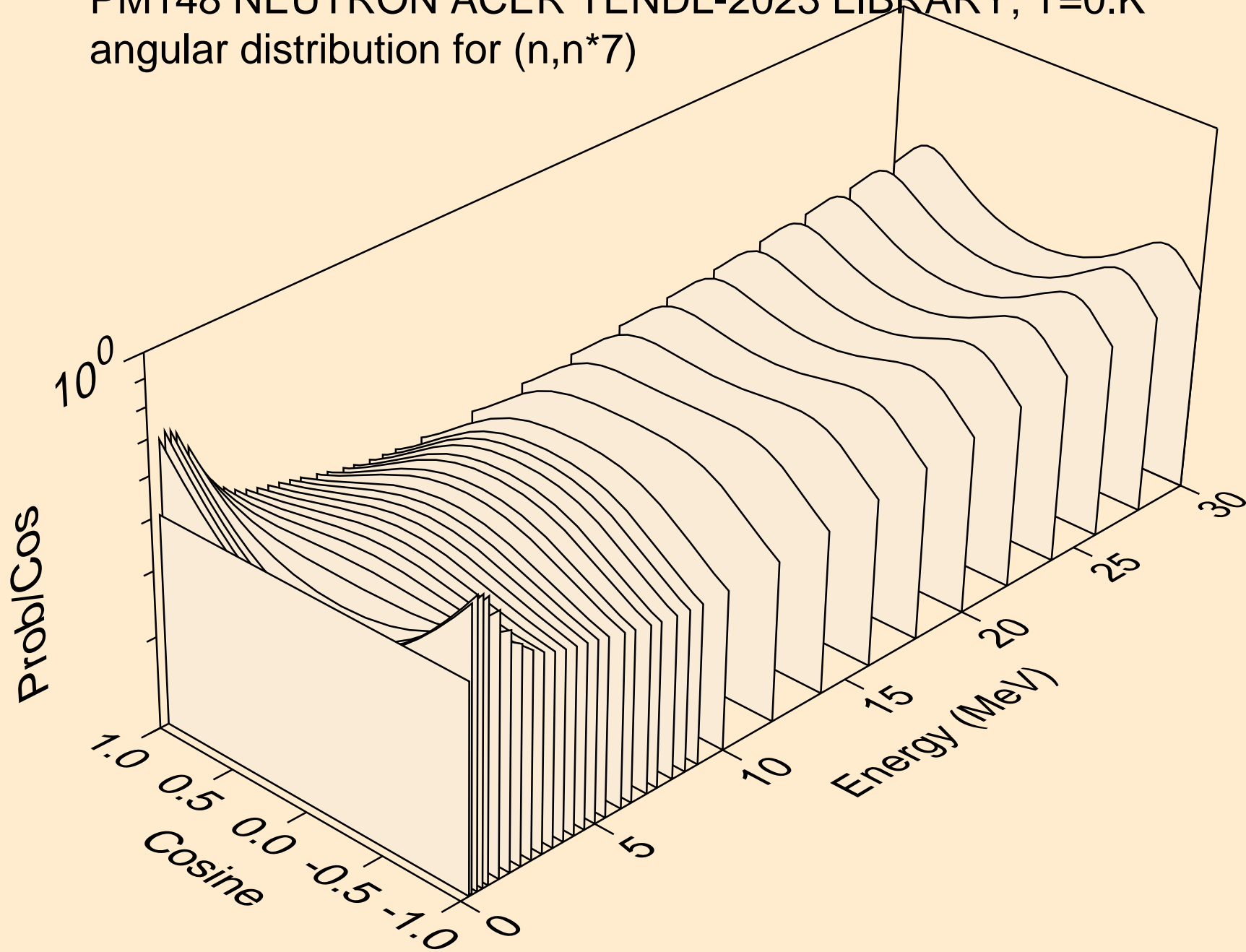
PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*5)



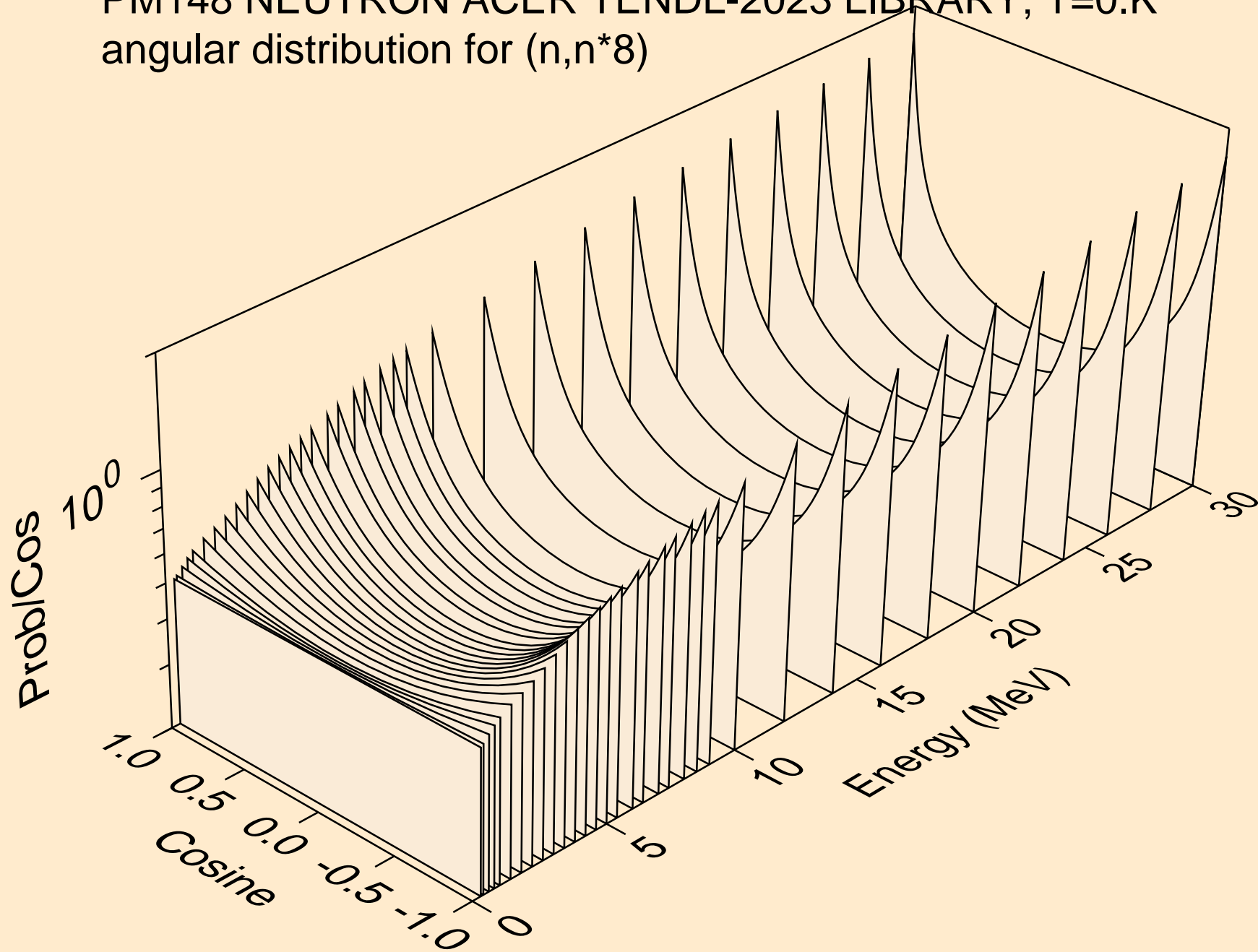
PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*6)



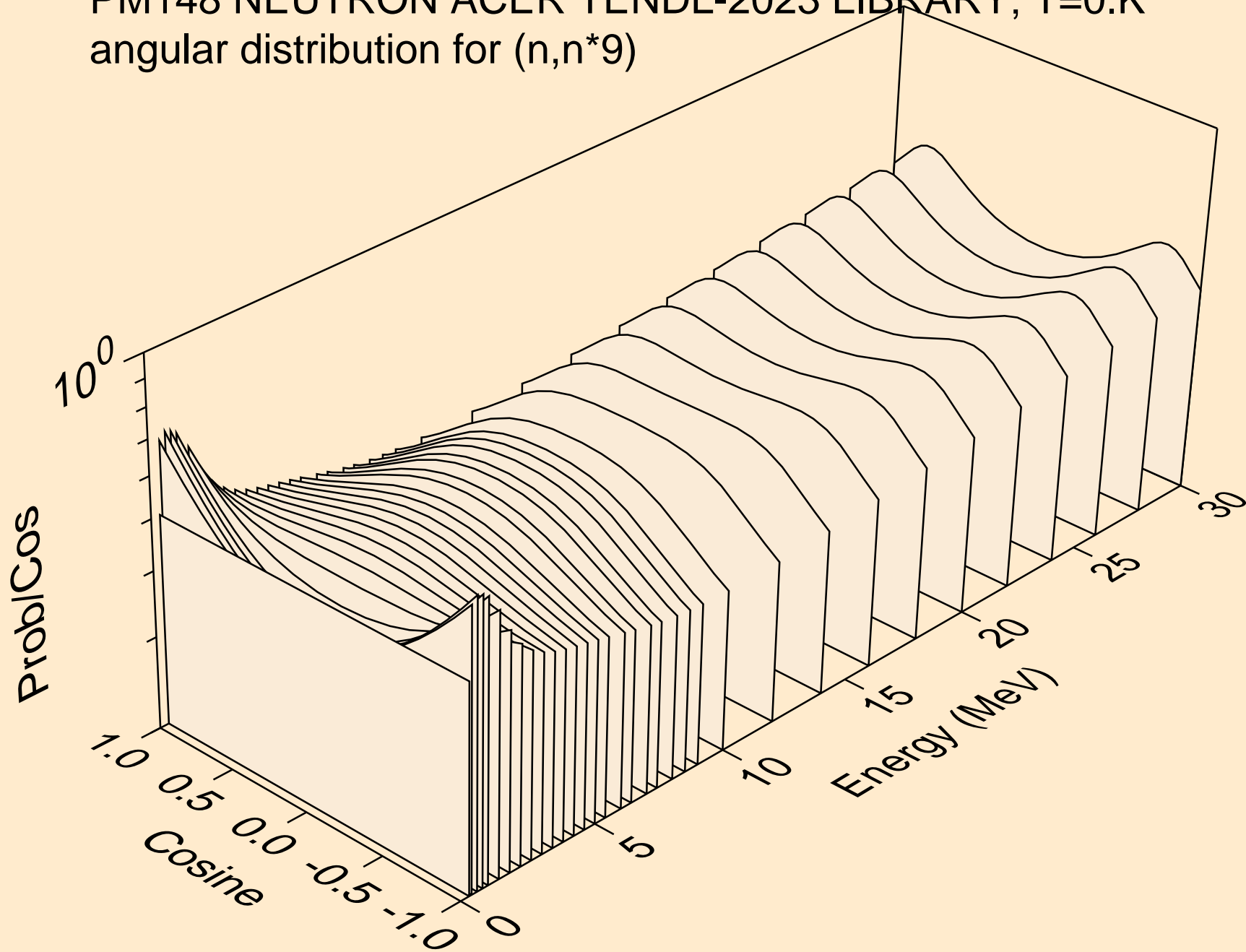
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angular distribution for (n,n\*7)



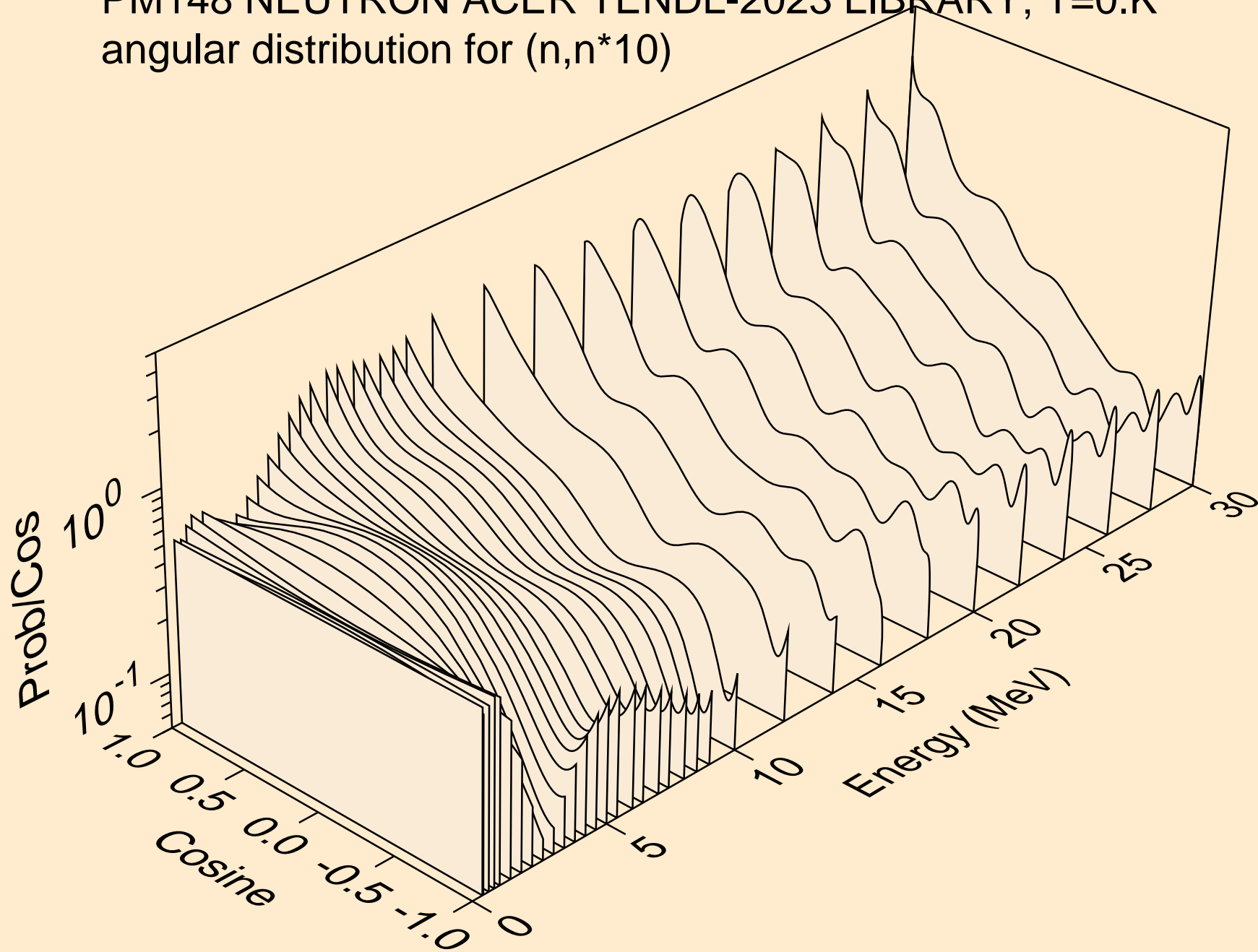
PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*8)



PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*9)

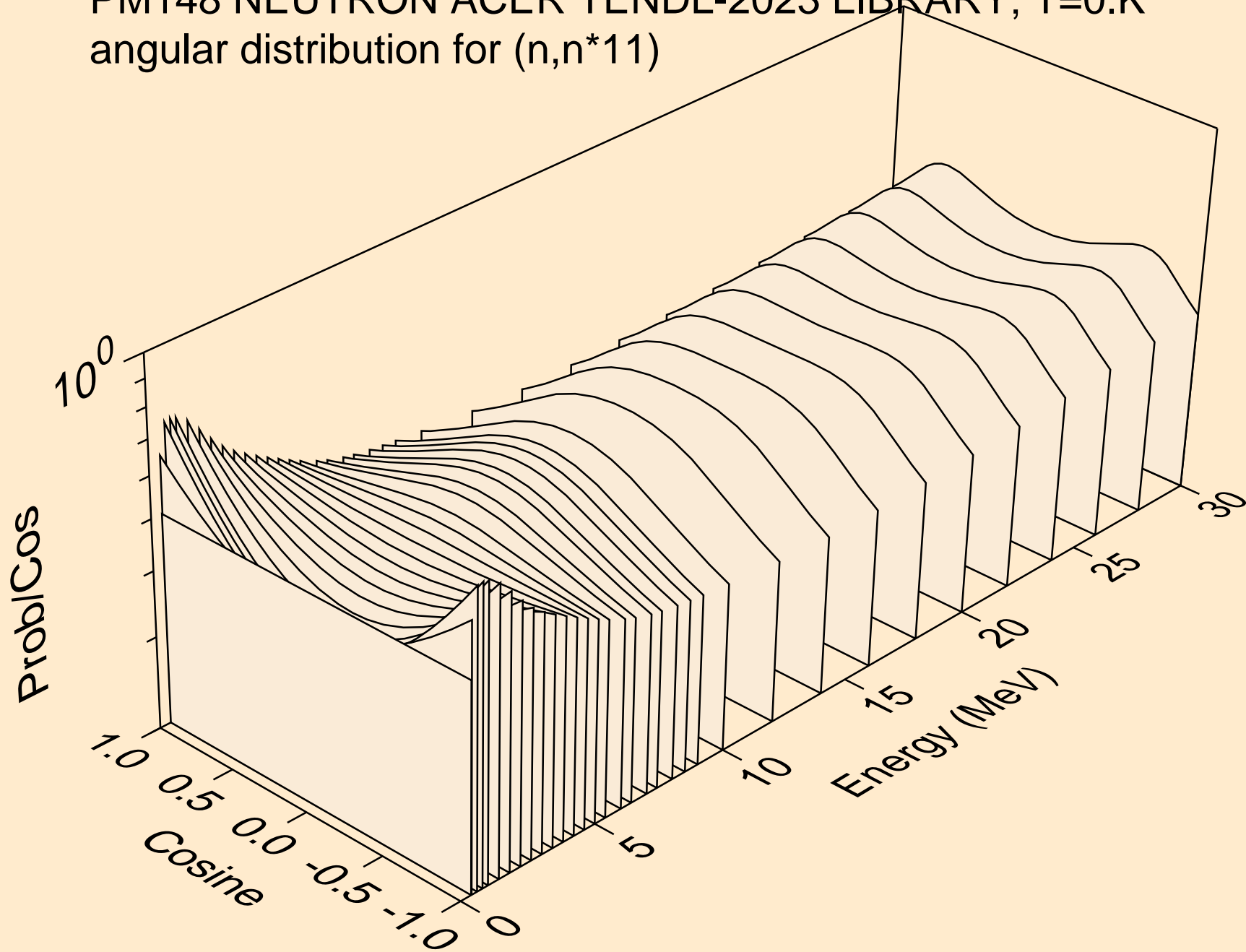


PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*10)

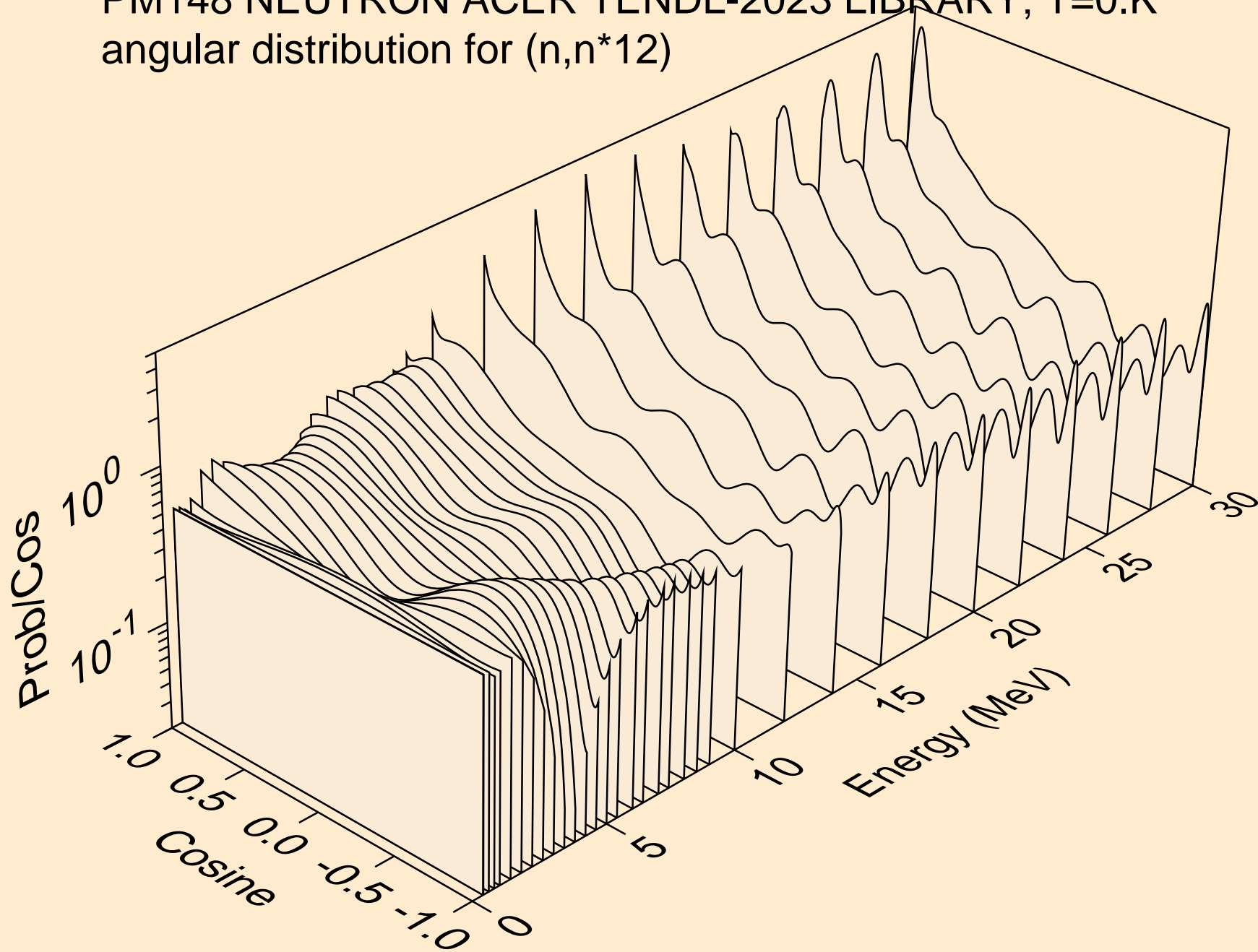




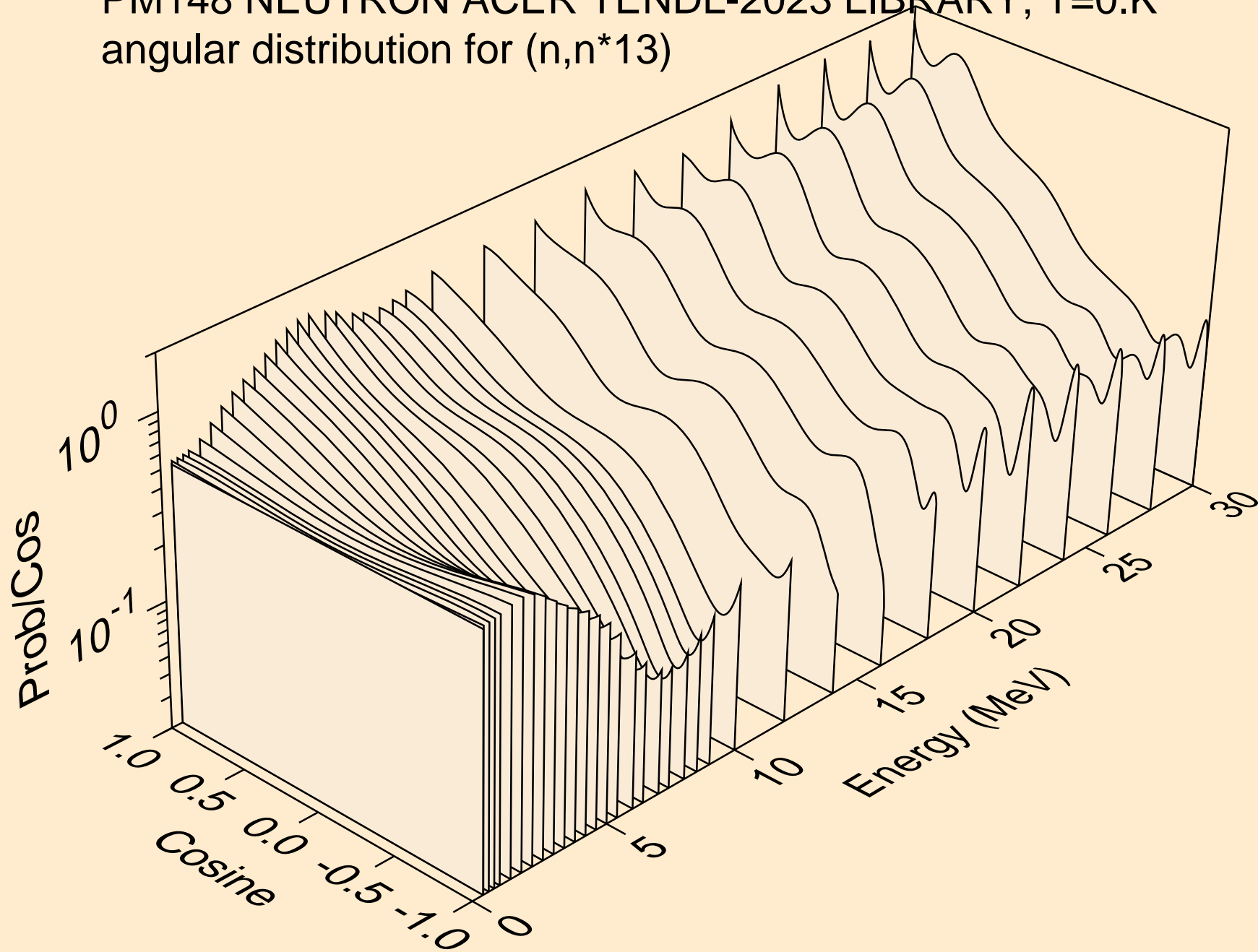
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angular distribution for (n,n\*11)



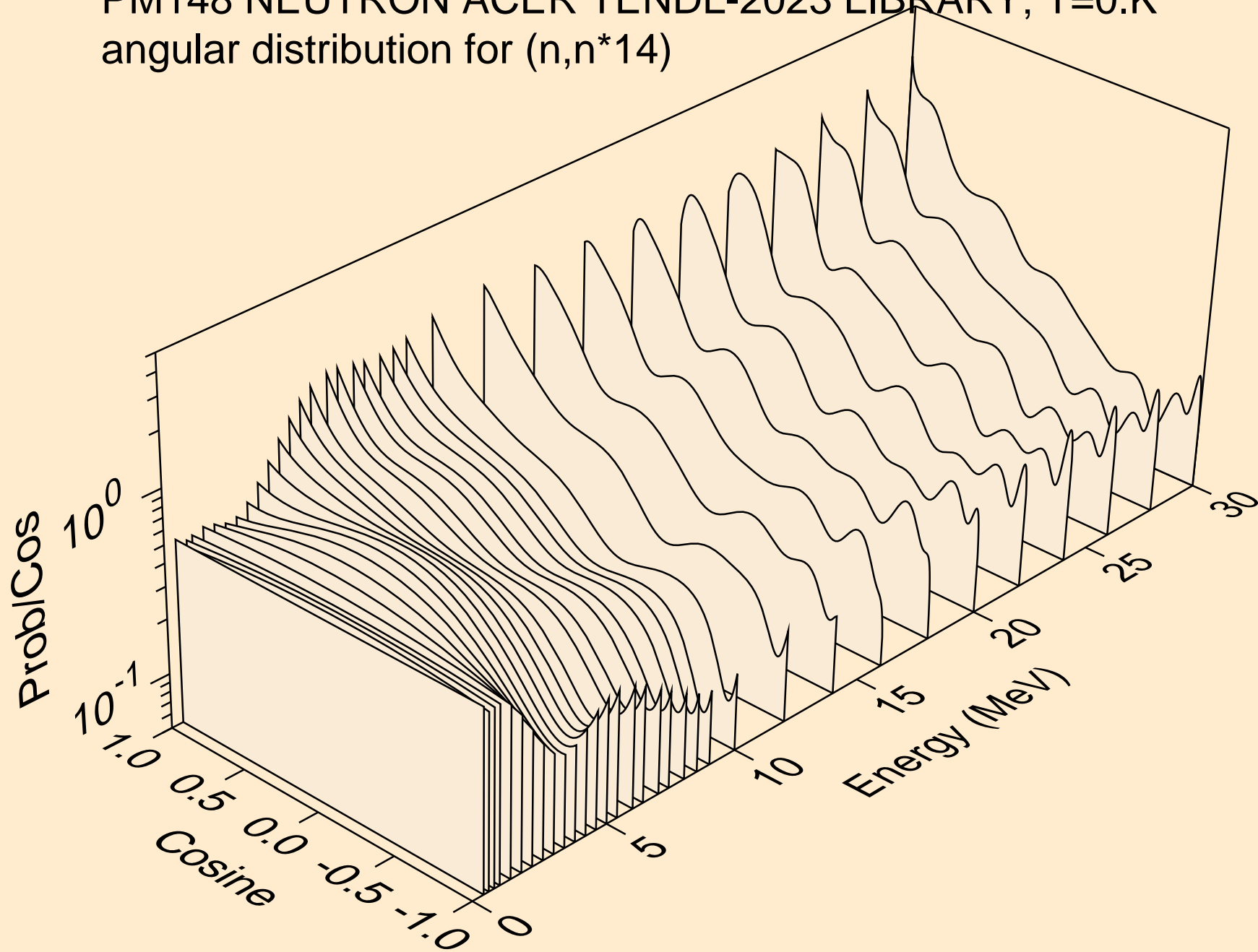
PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*12)



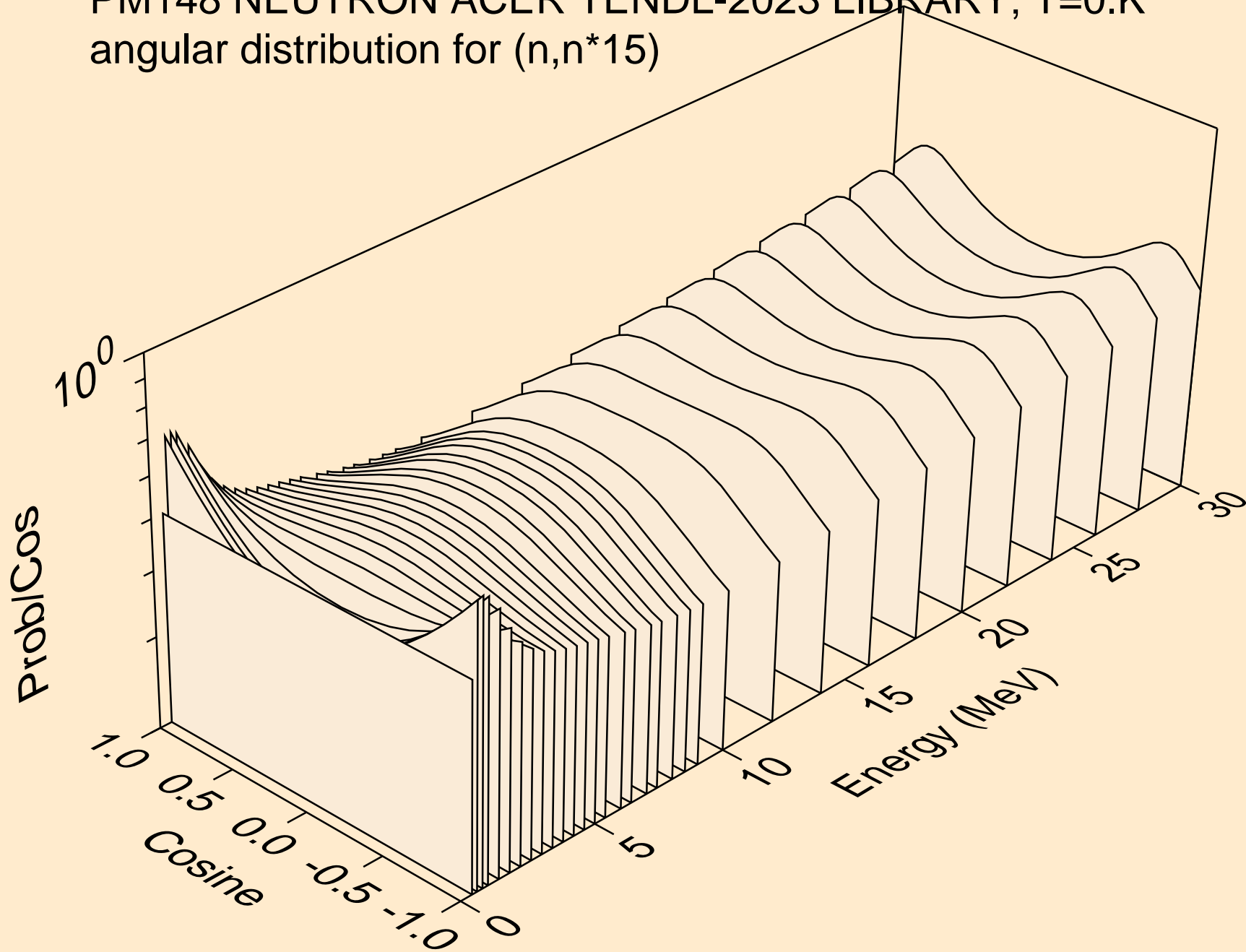
PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*13)



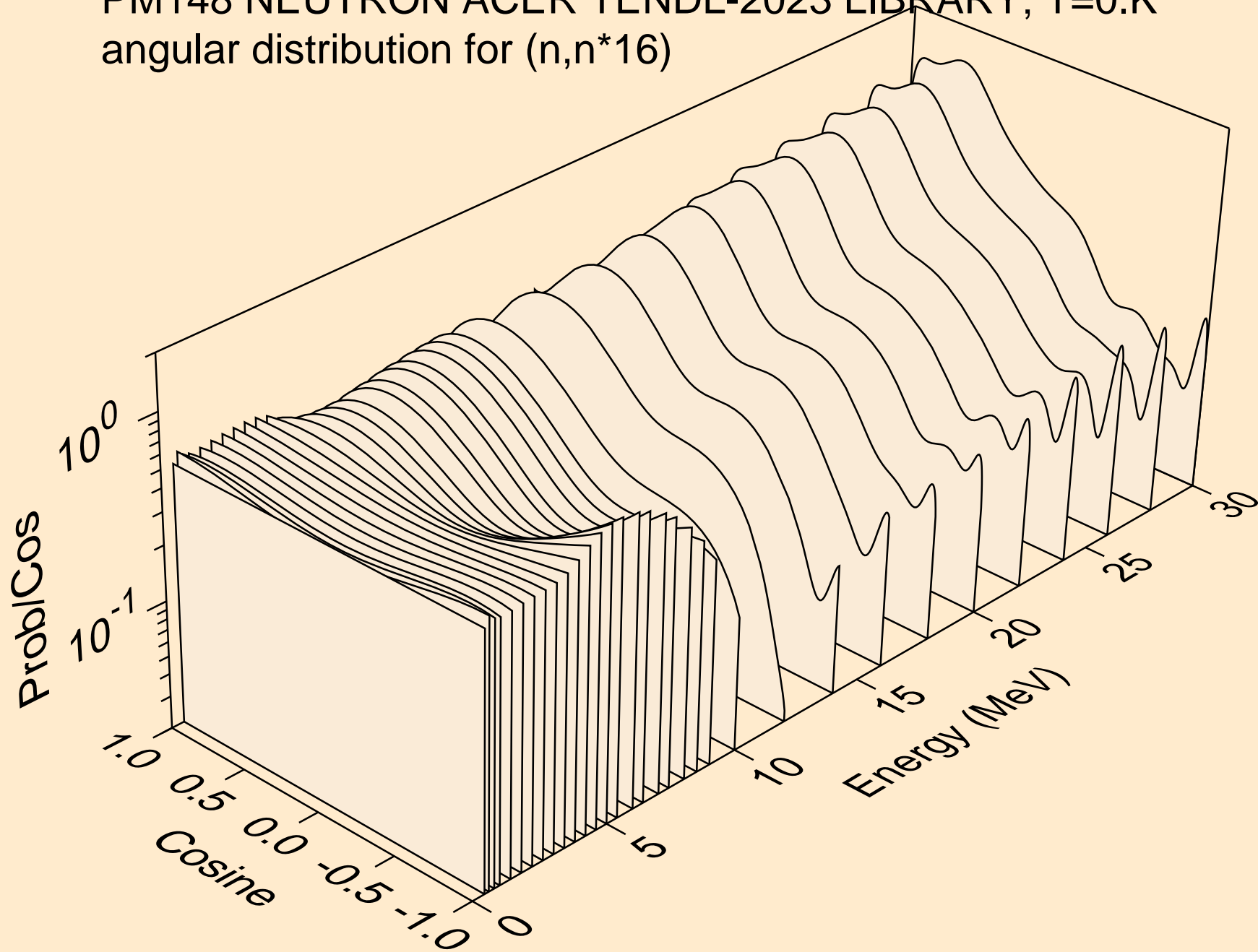
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angular distribution for (n,n\*14)



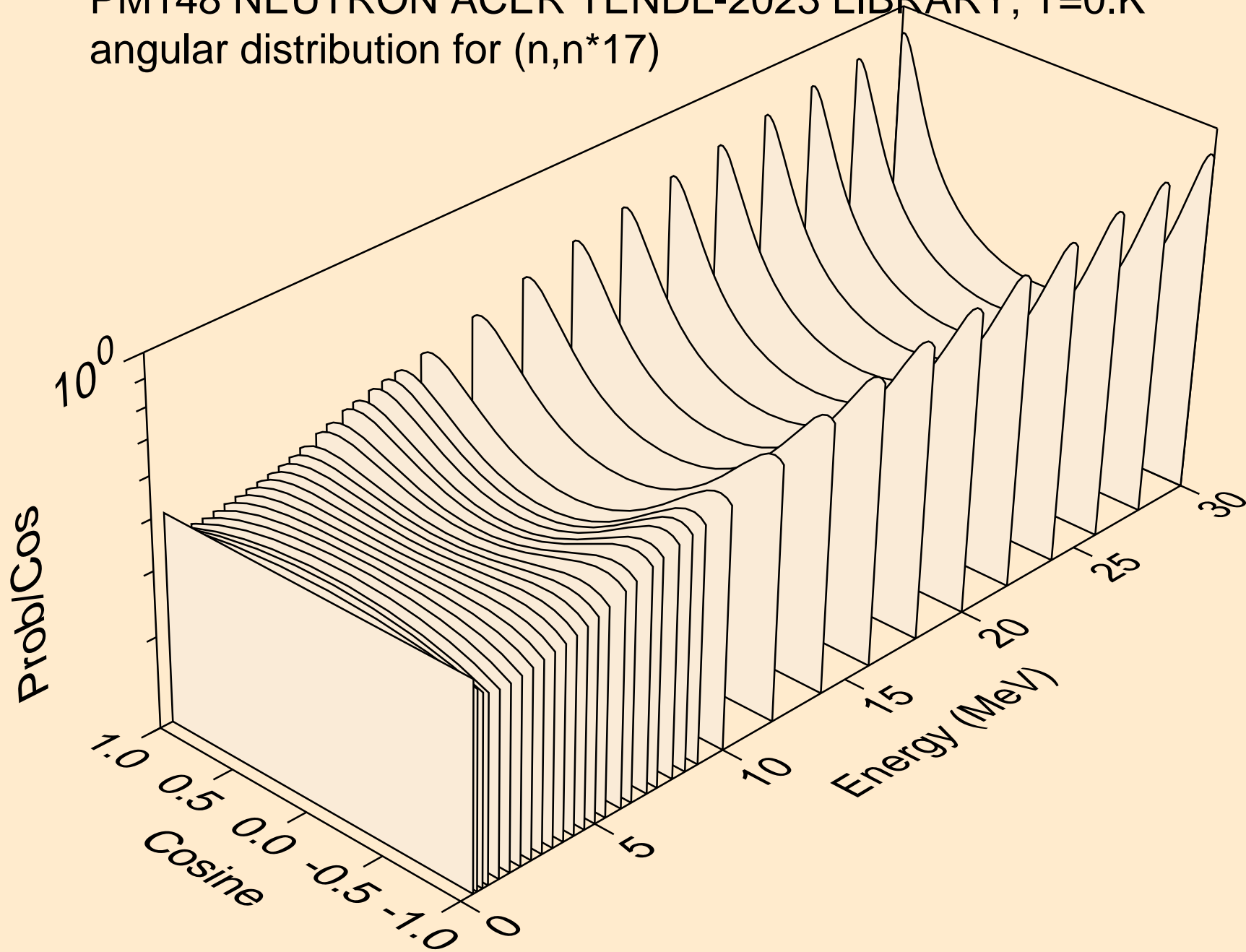
PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*15)



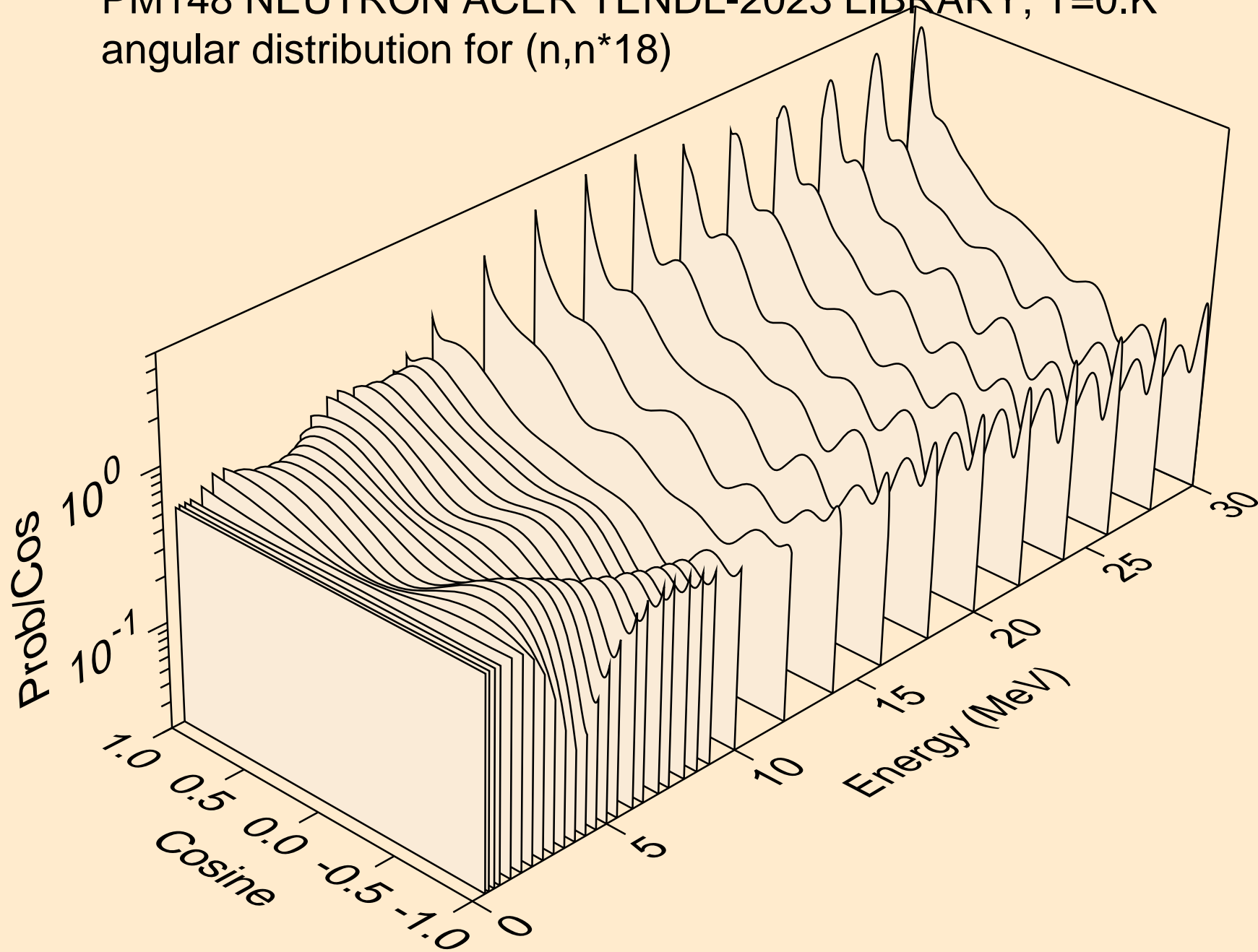
PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*16)



PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*17)

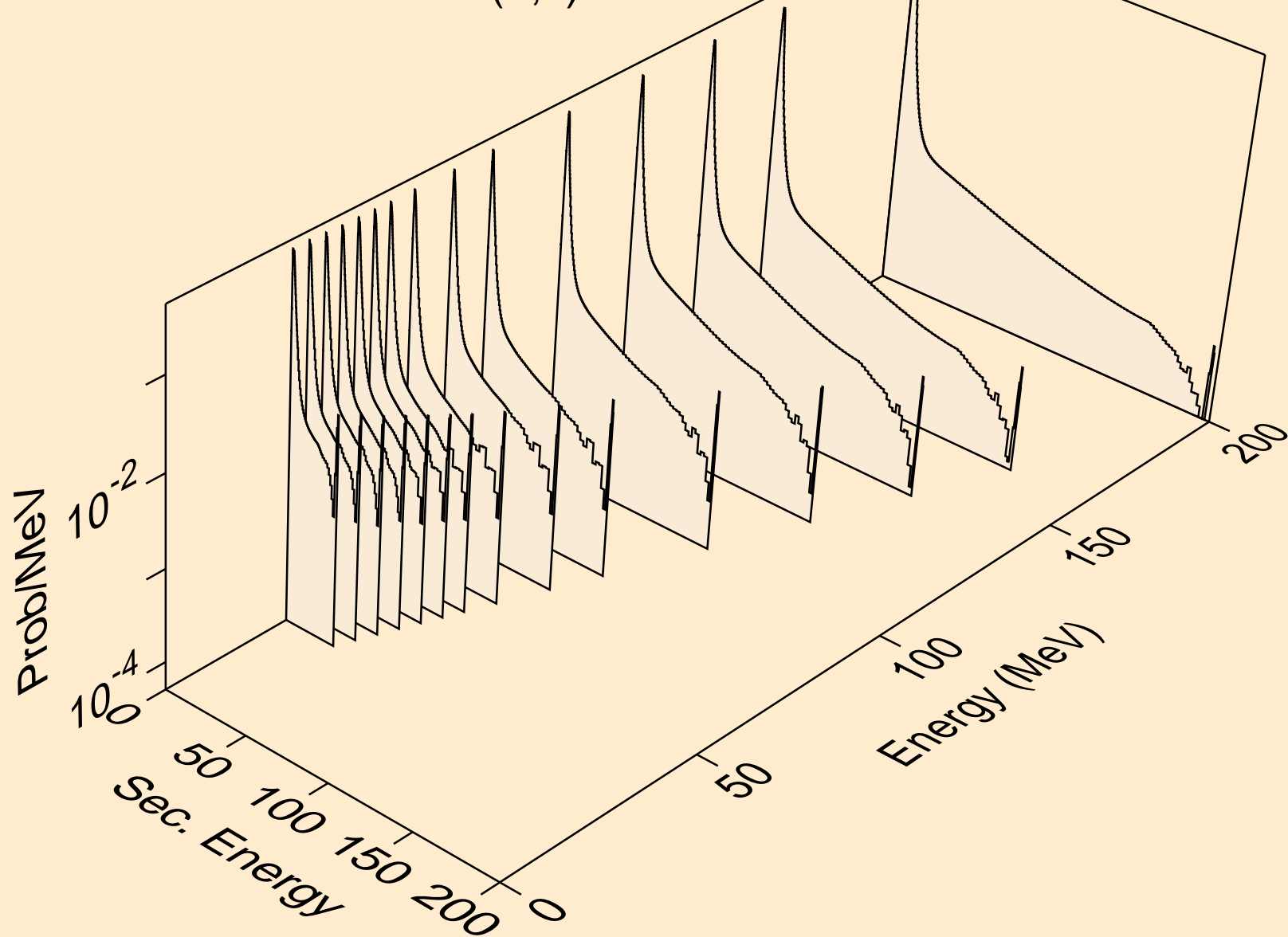


PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*18)

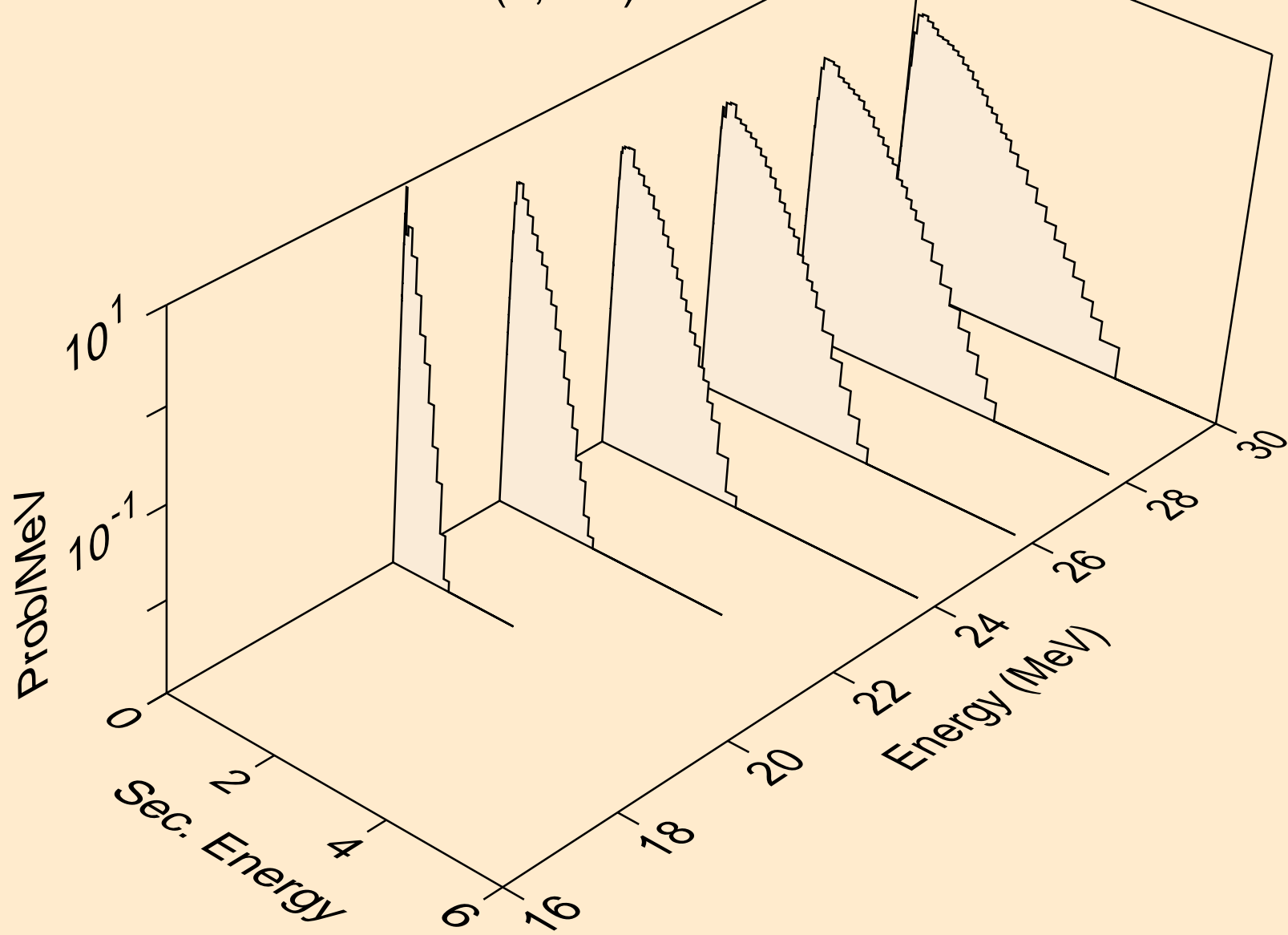




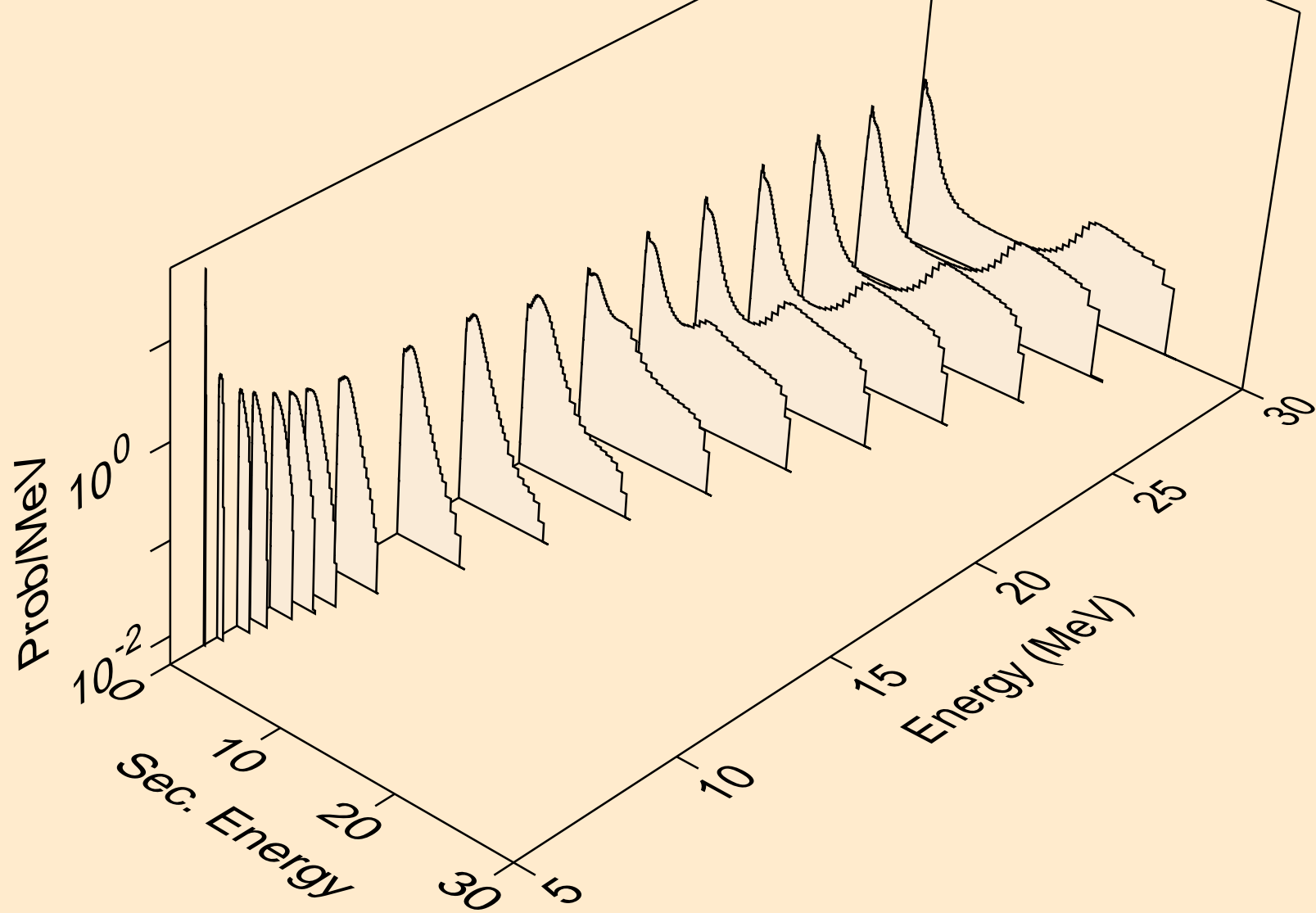
PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,x)



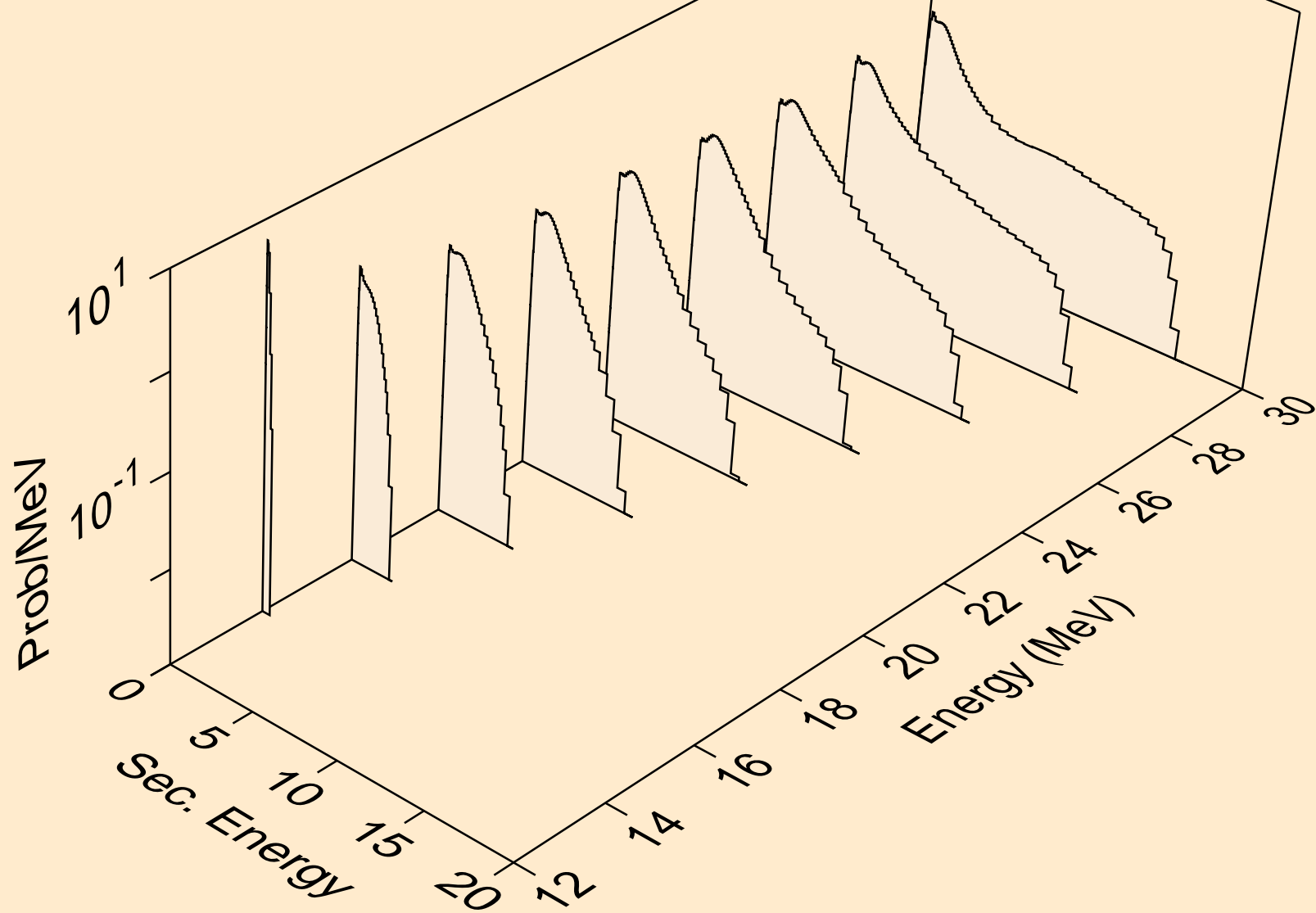
PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



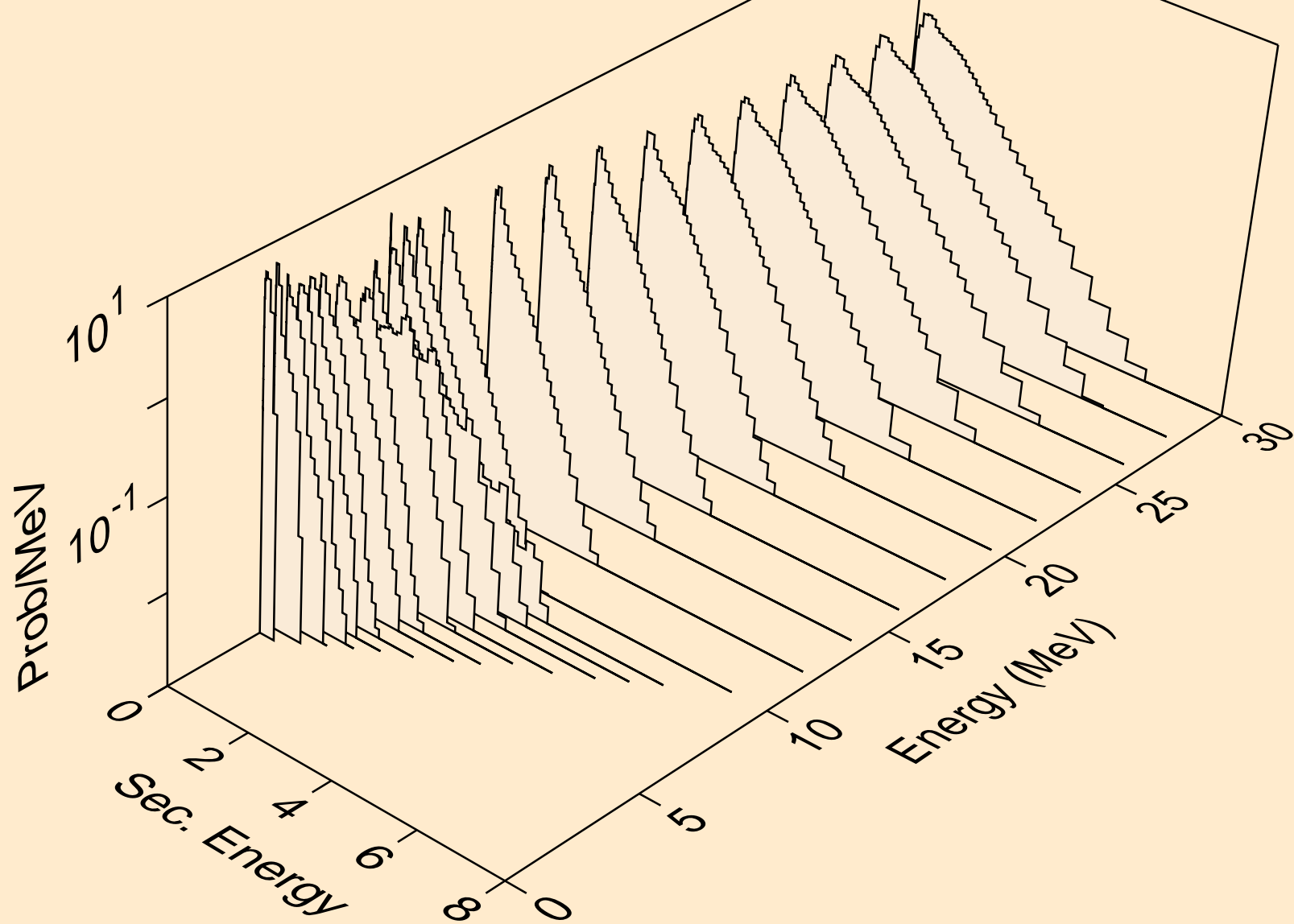
PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)



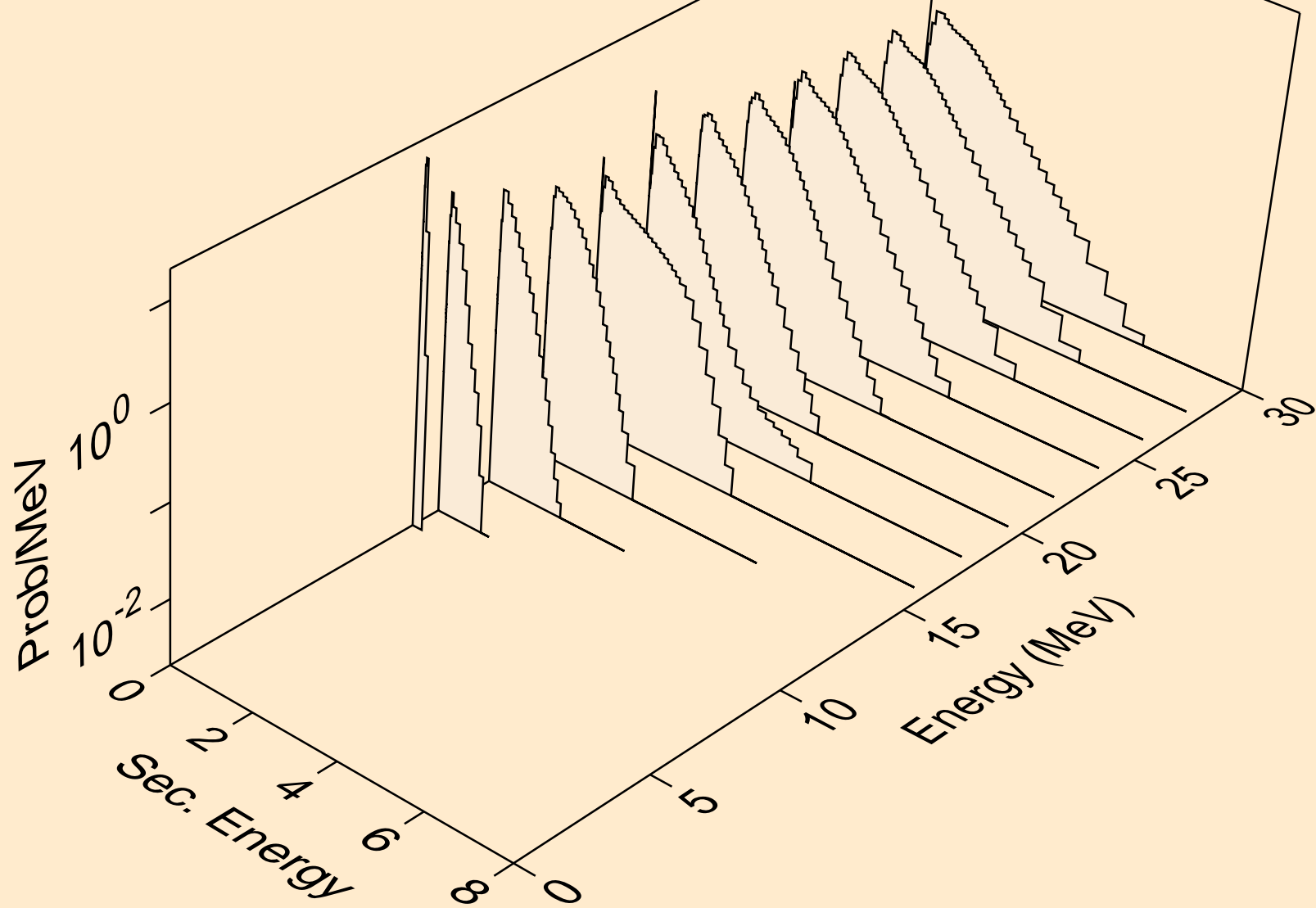
PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)



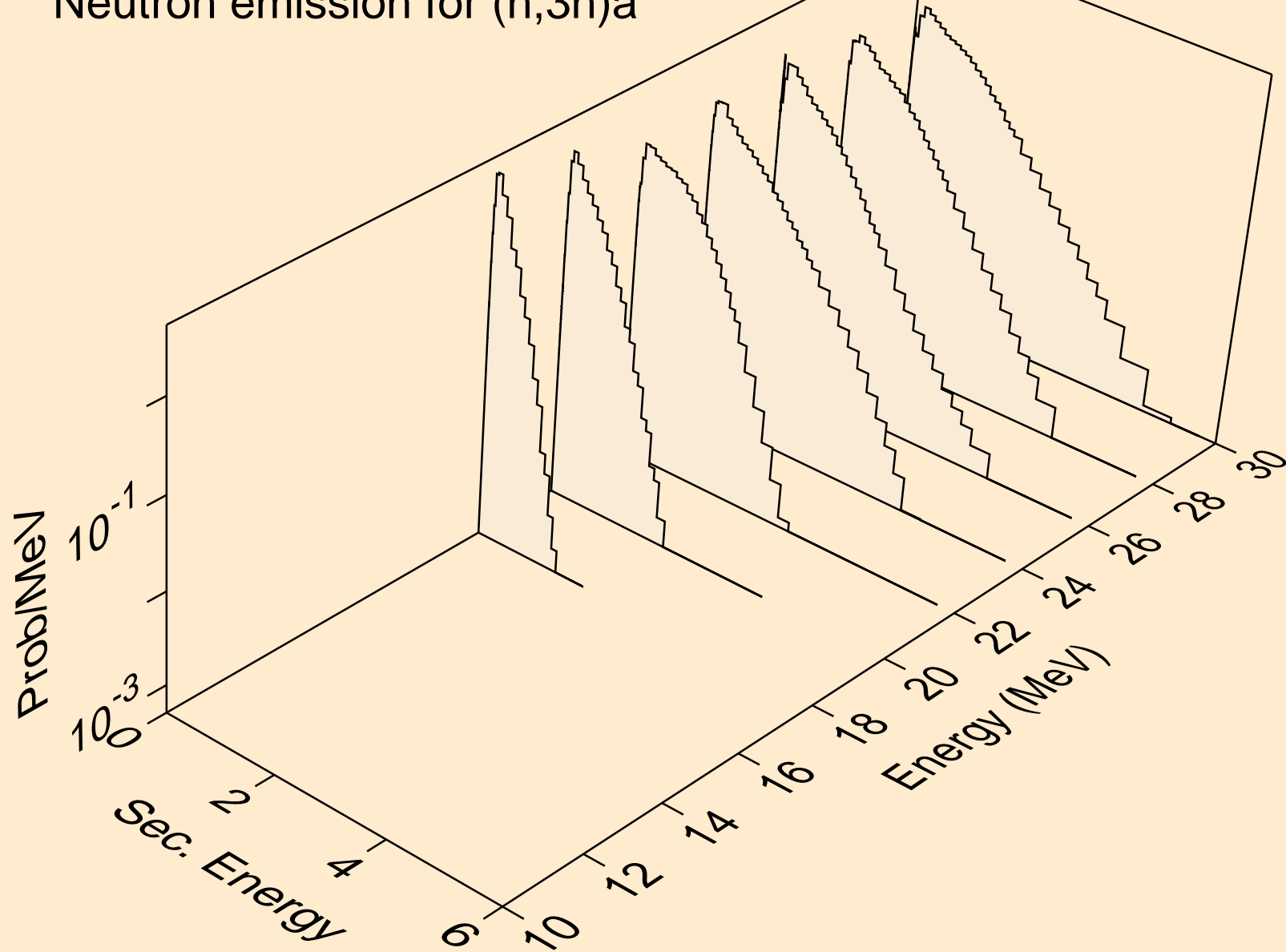
PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



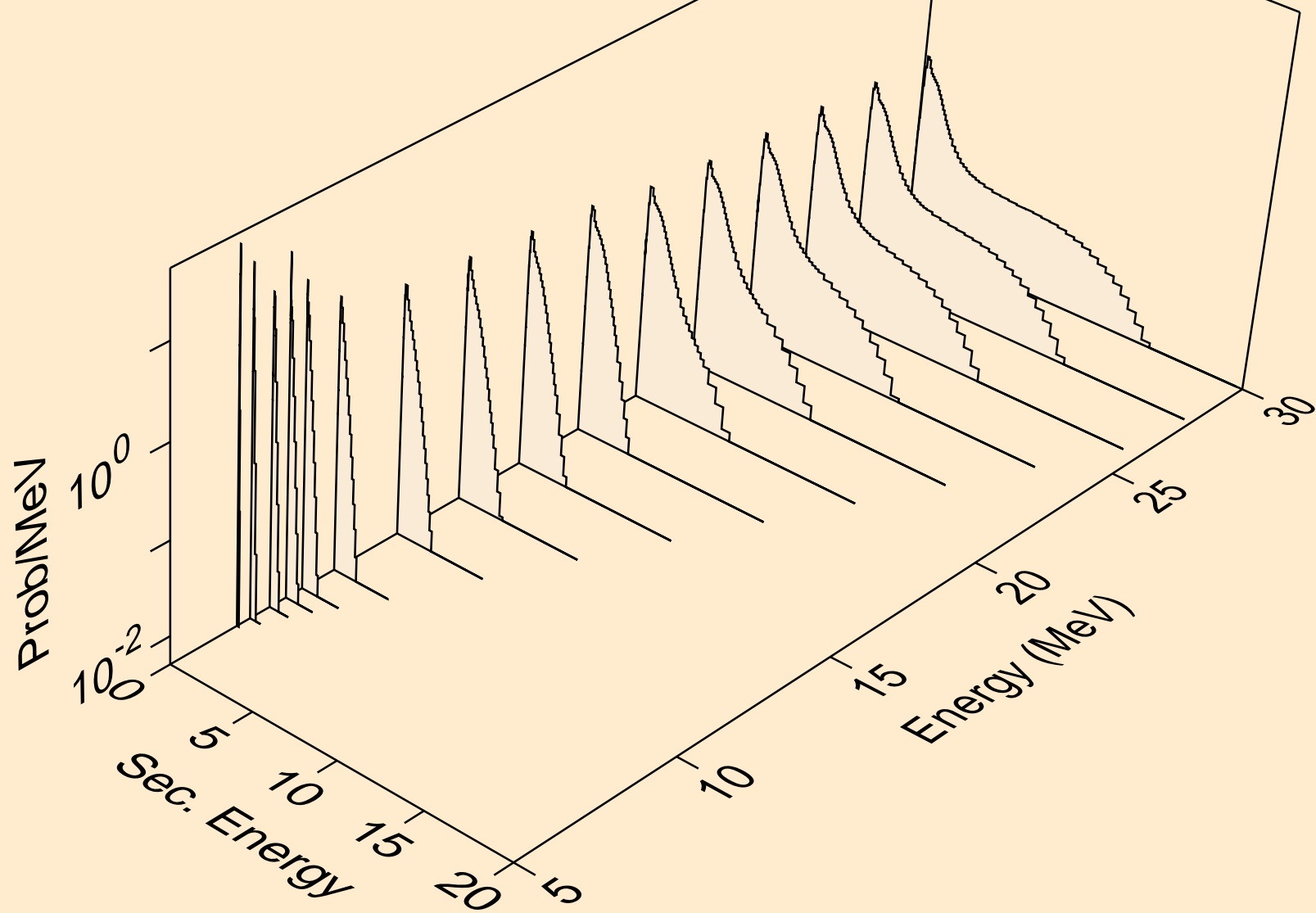
PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)a



PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)a

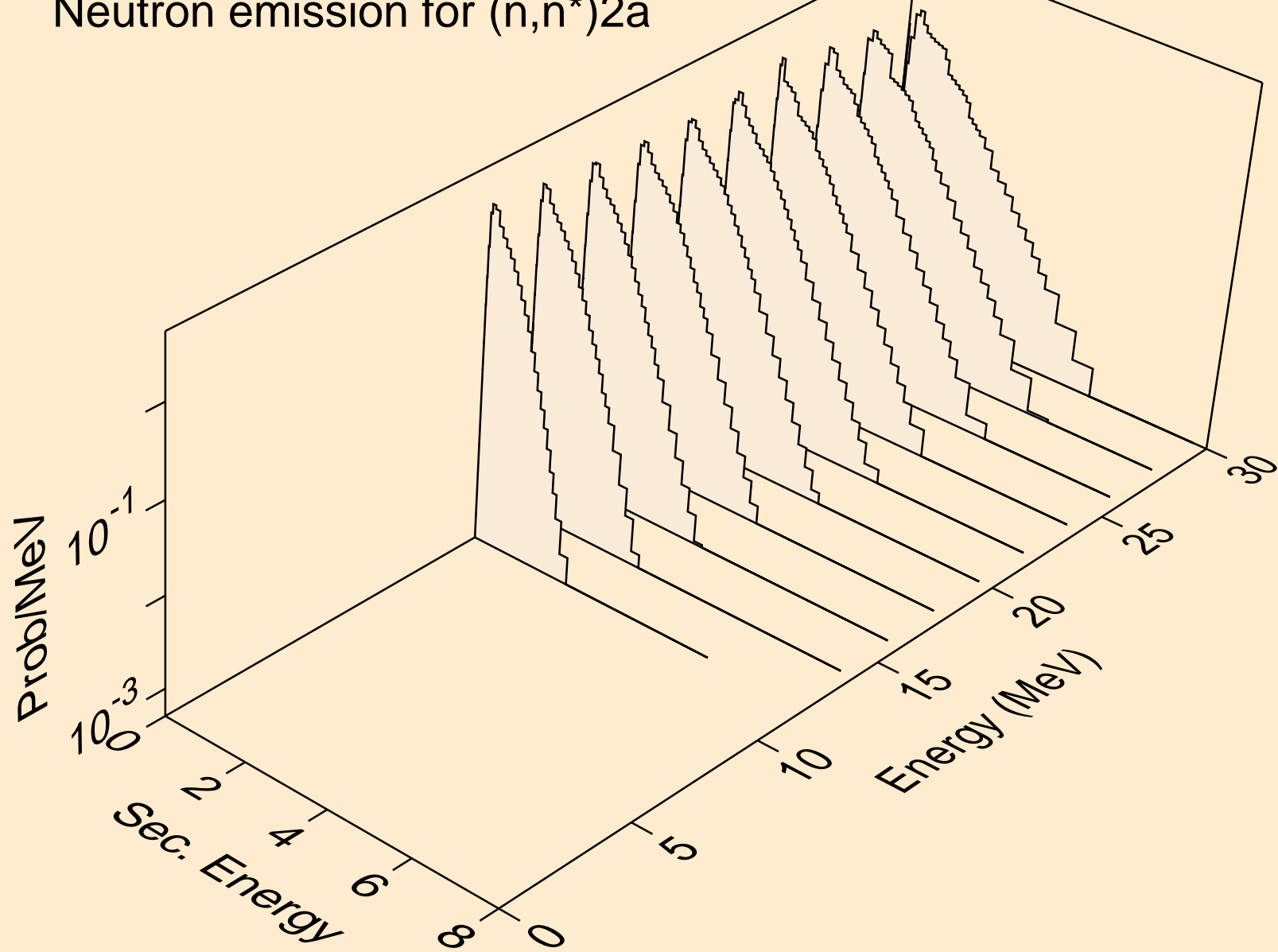


PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p

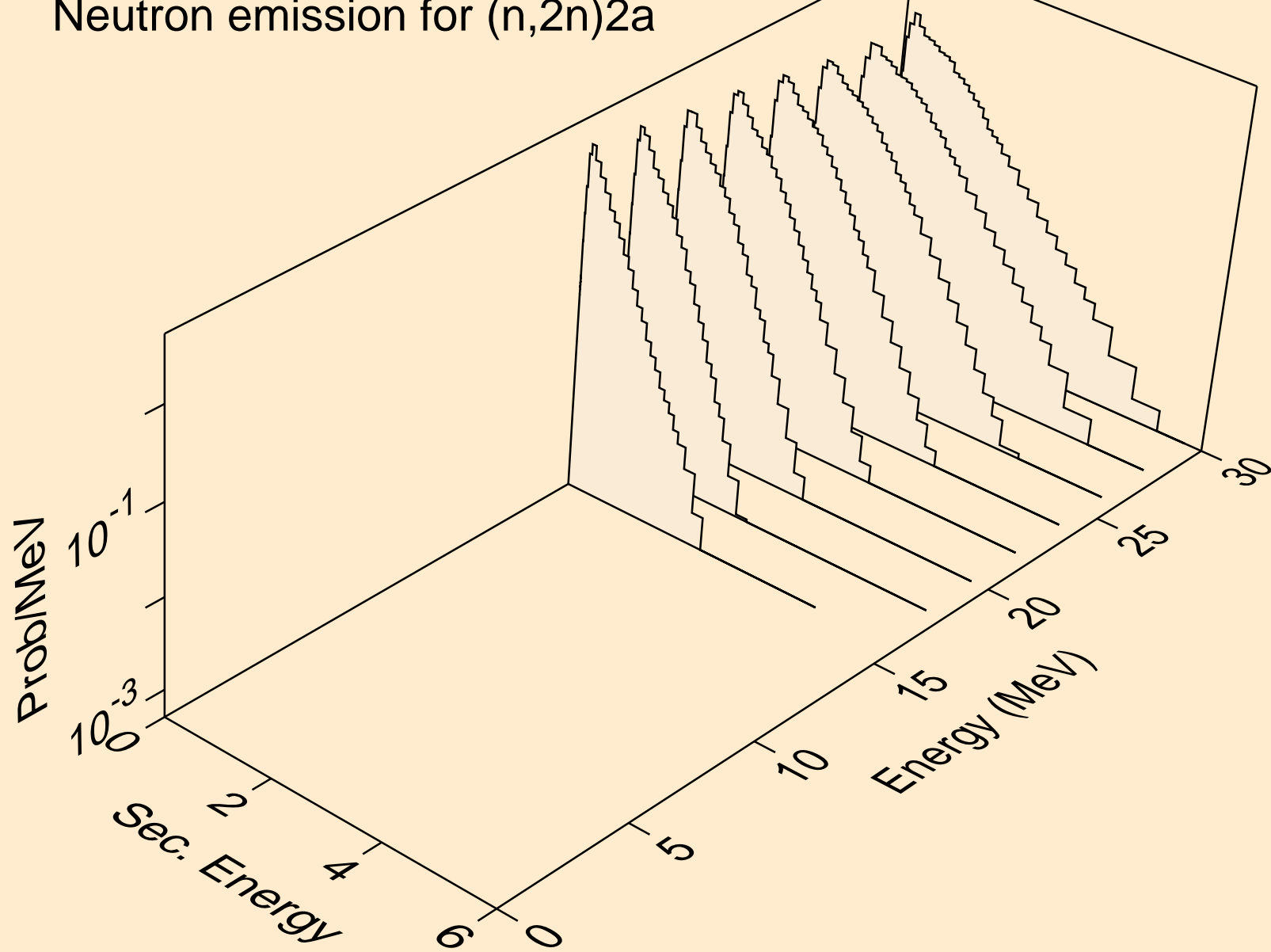




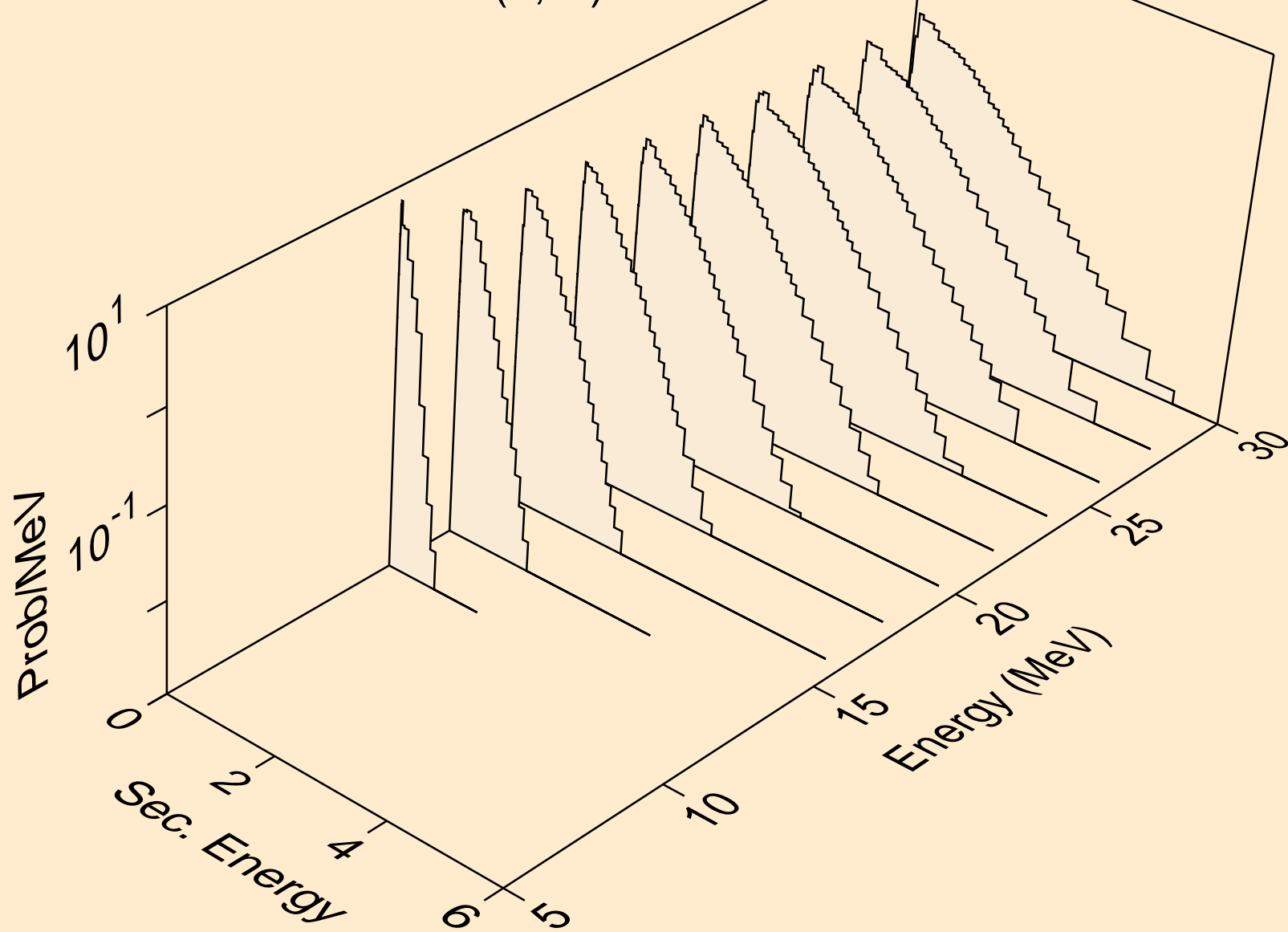
PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)2a



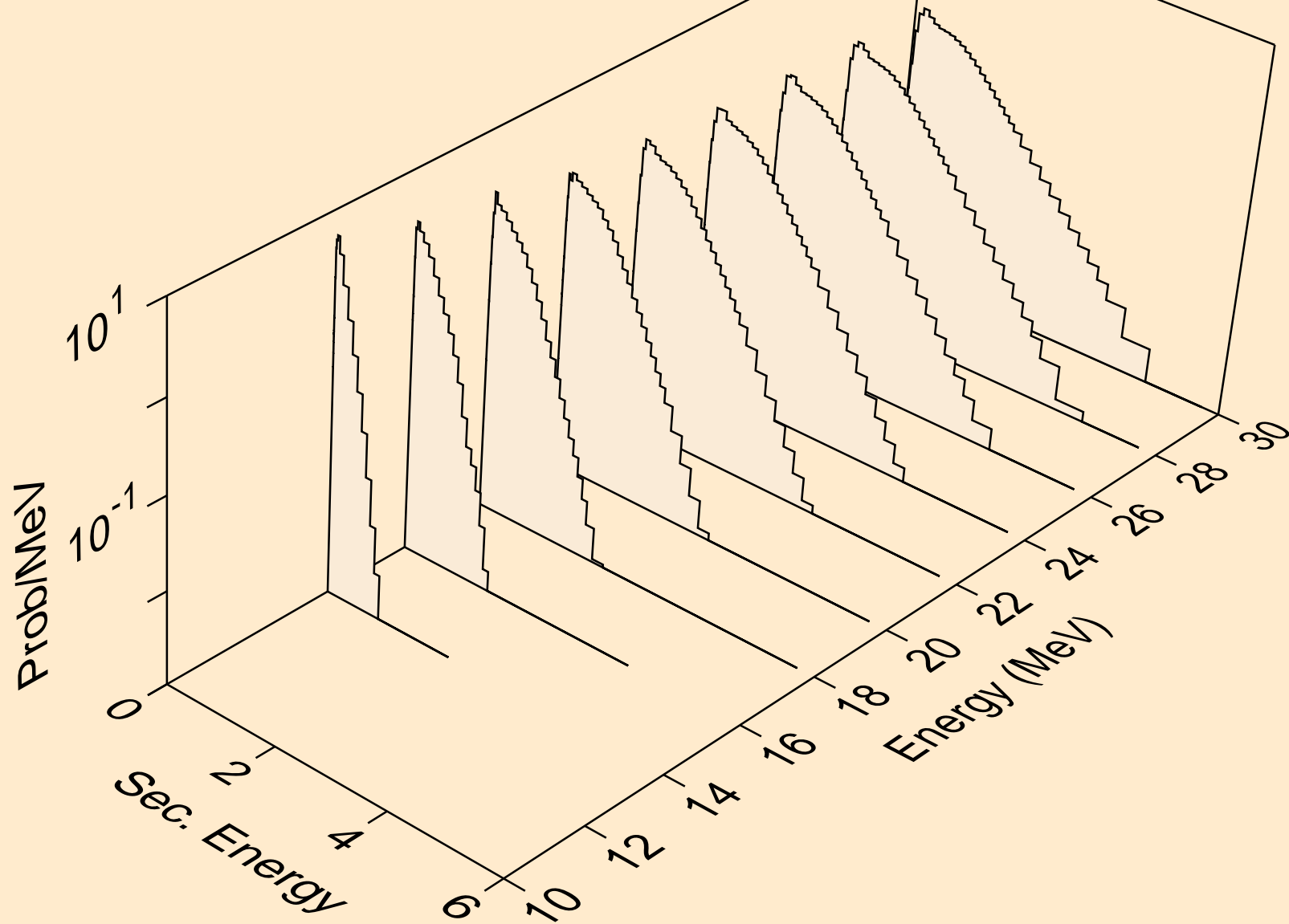
PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)2a



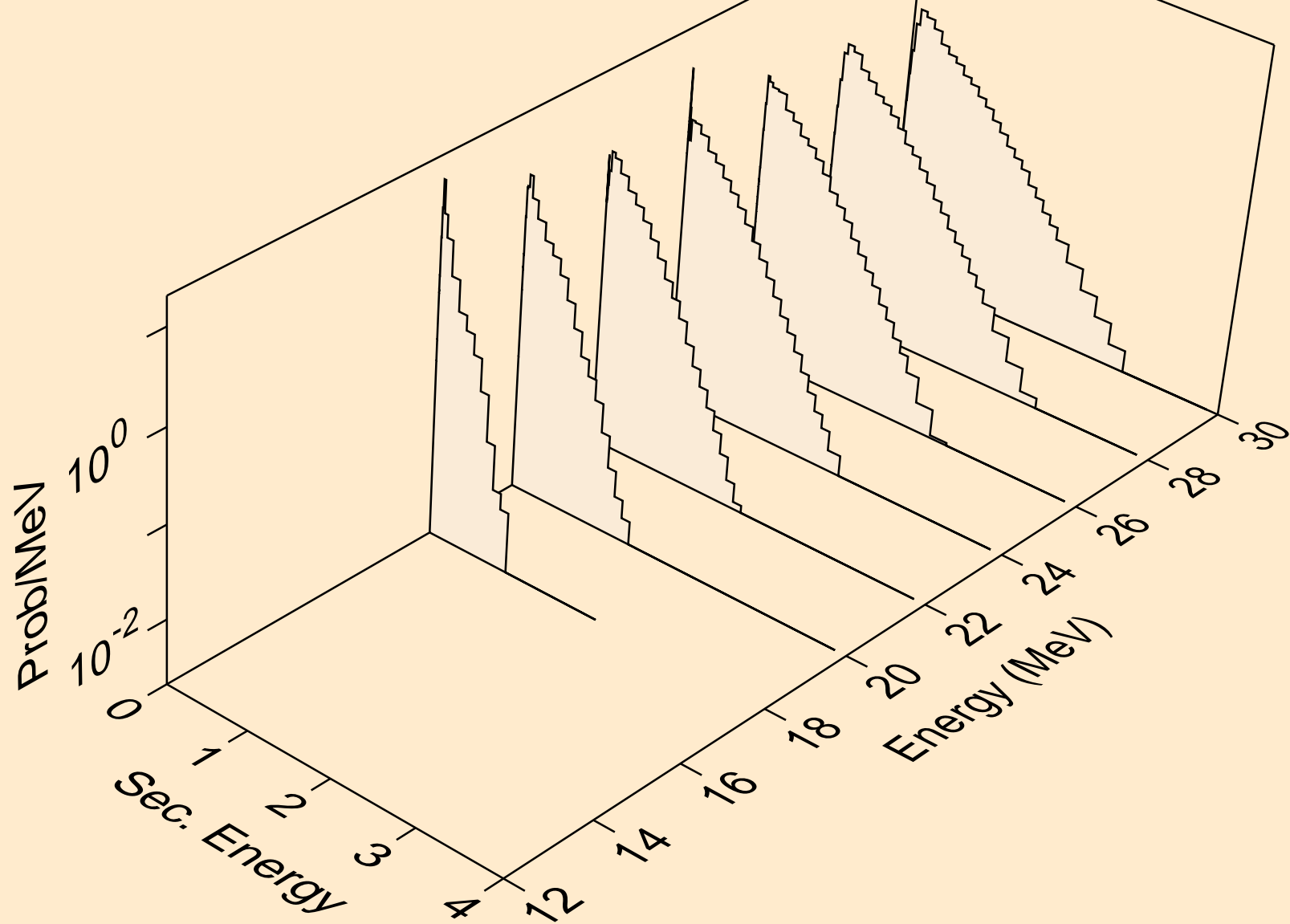
PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d



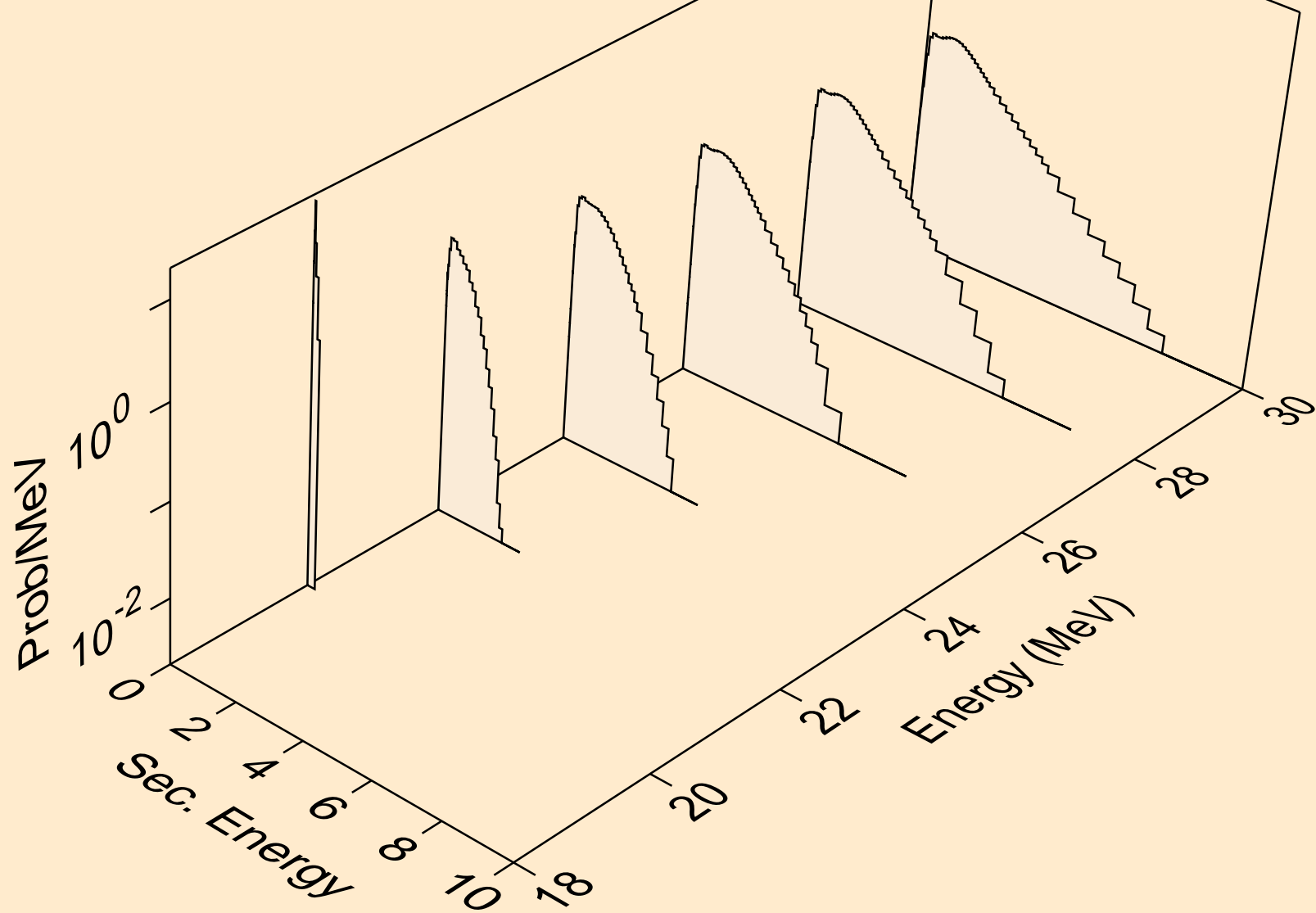
PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



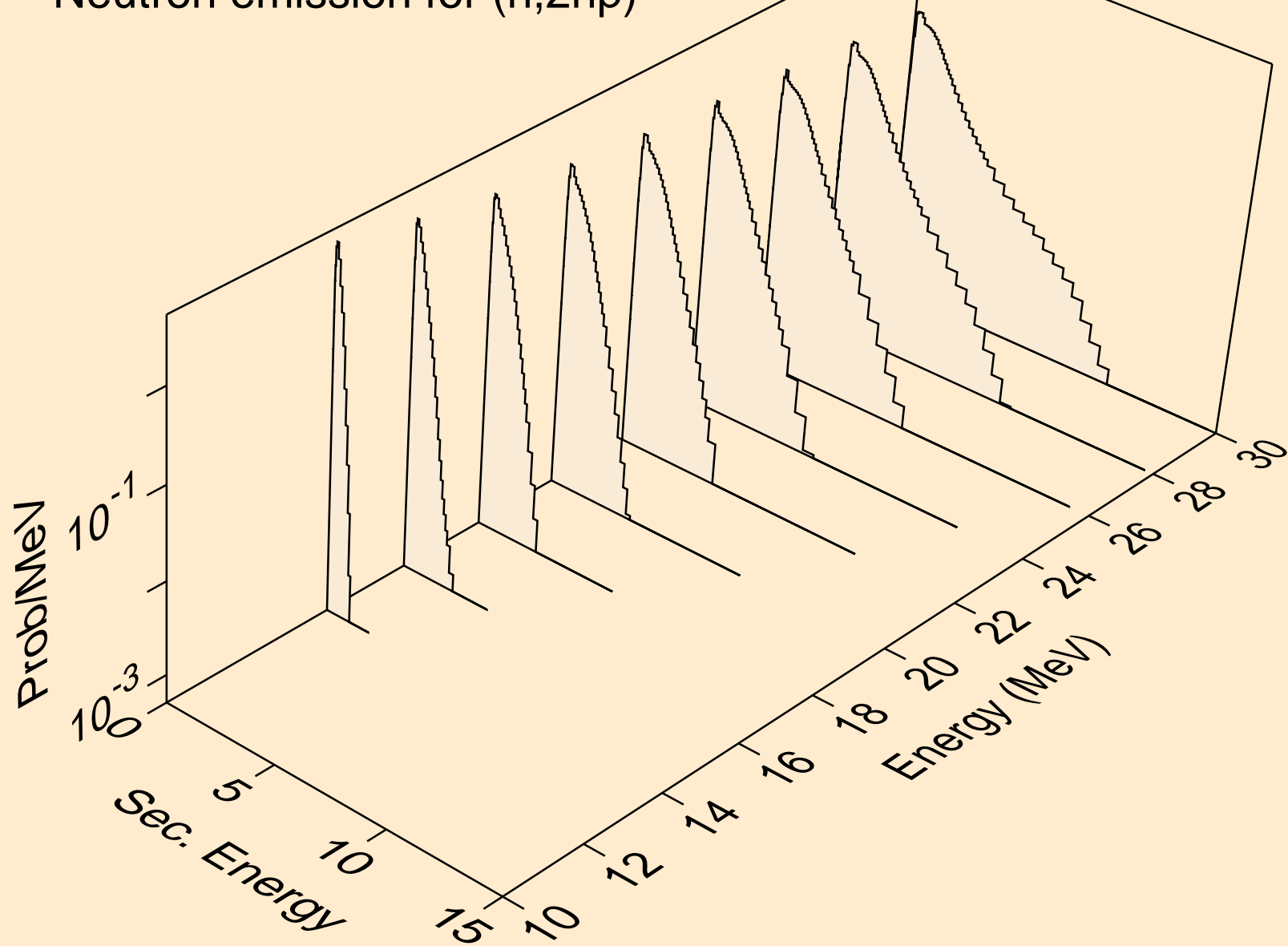
PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



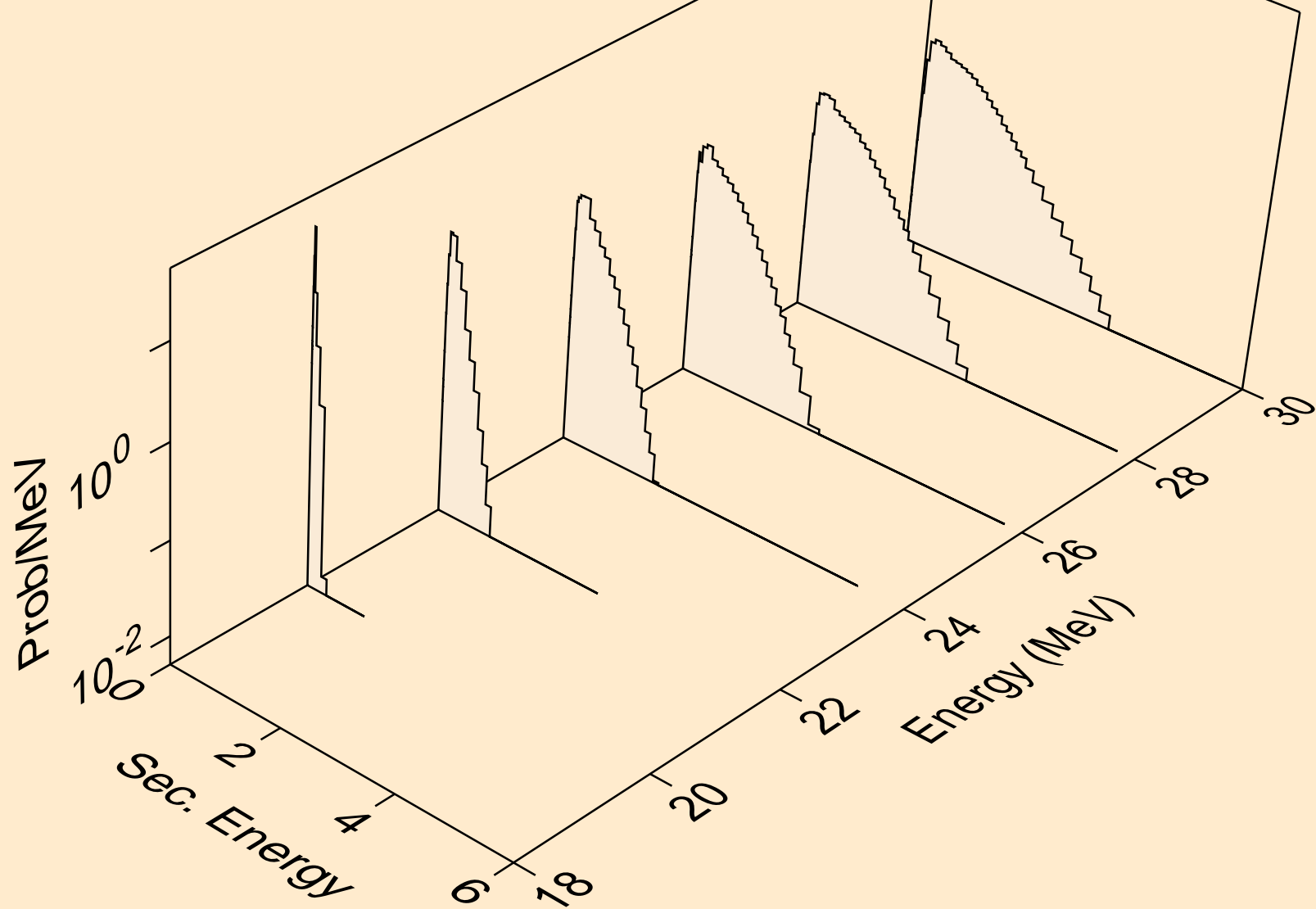
PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,4n)



PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2np)

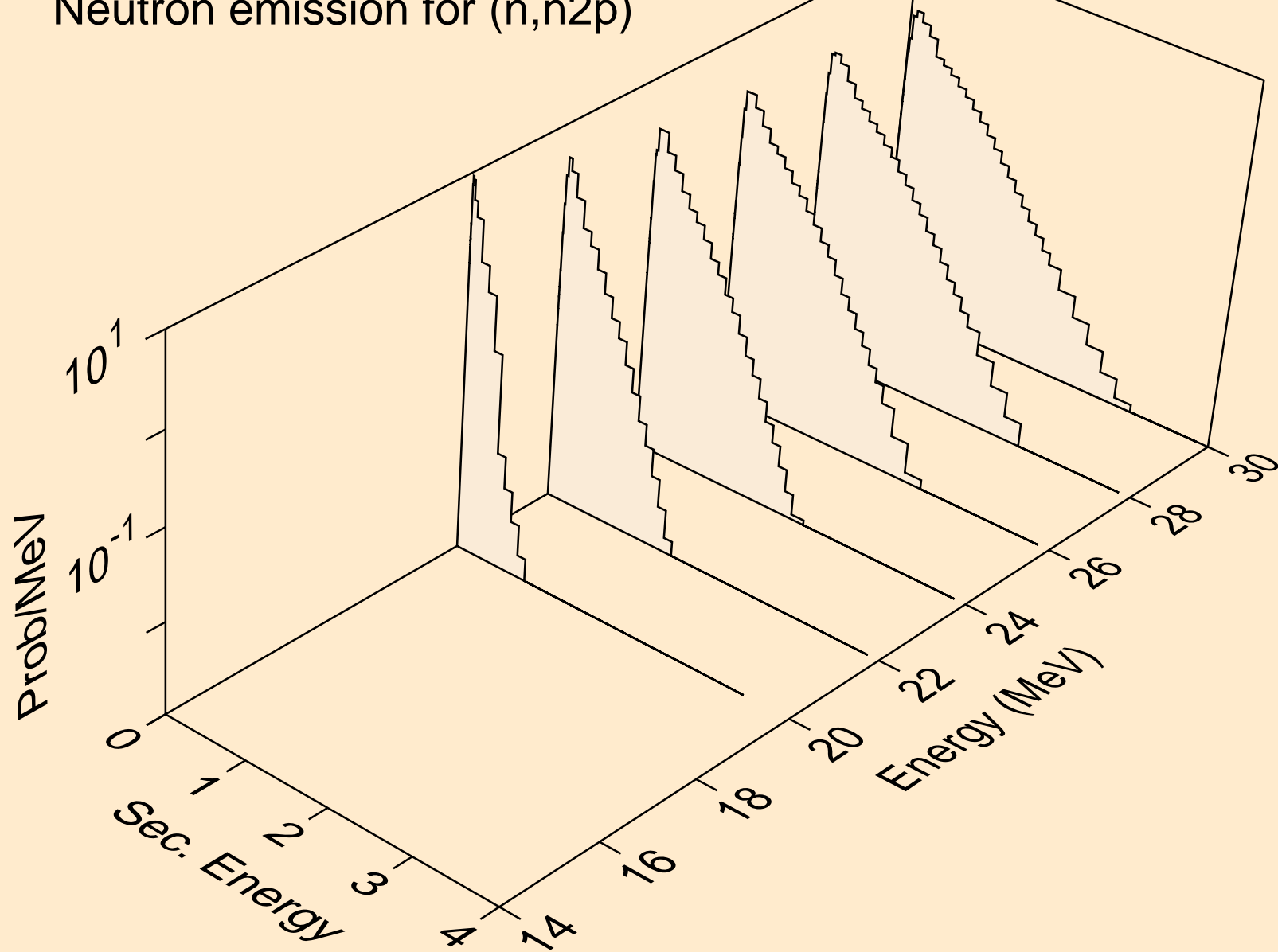


PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3np)

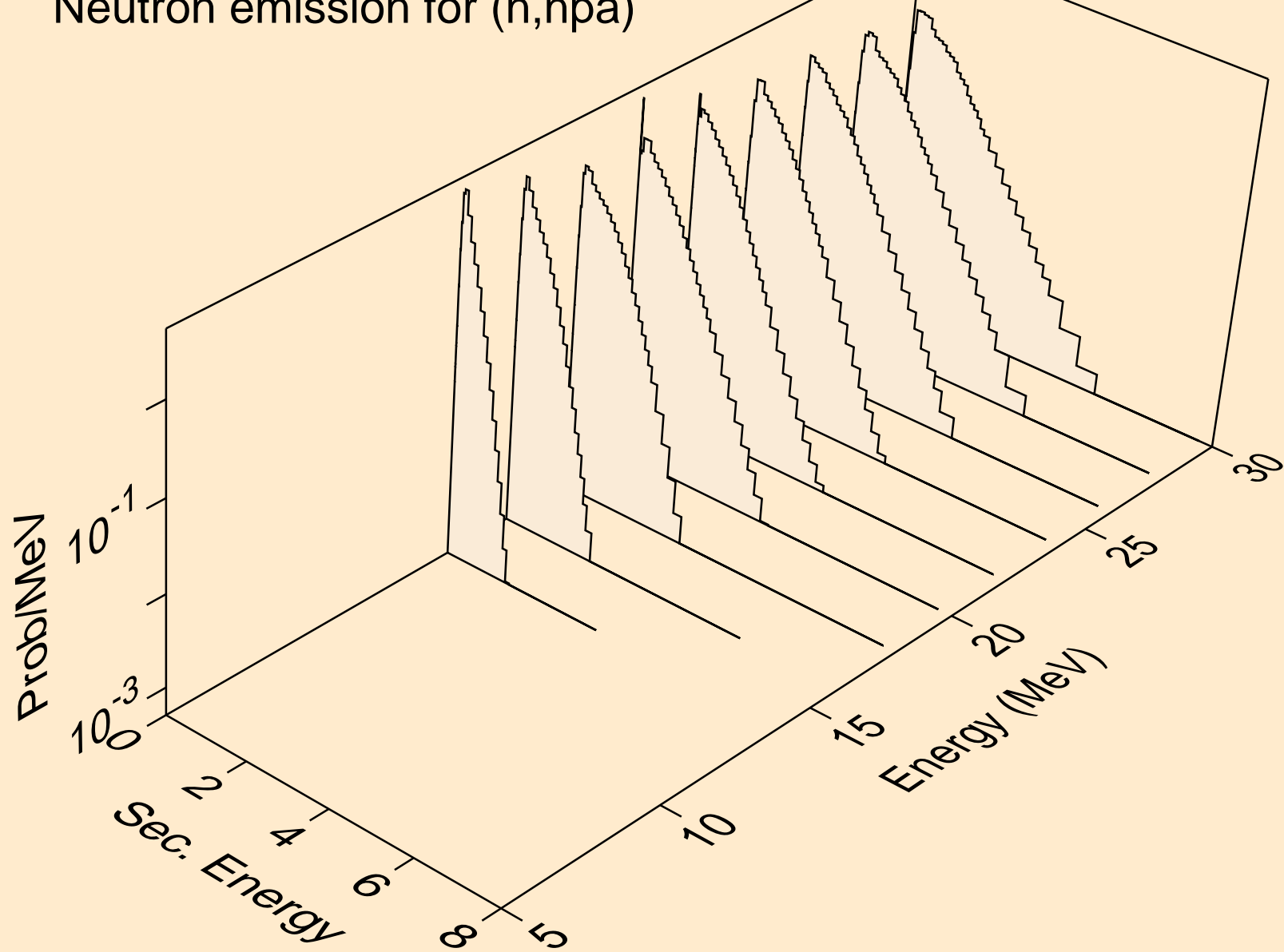




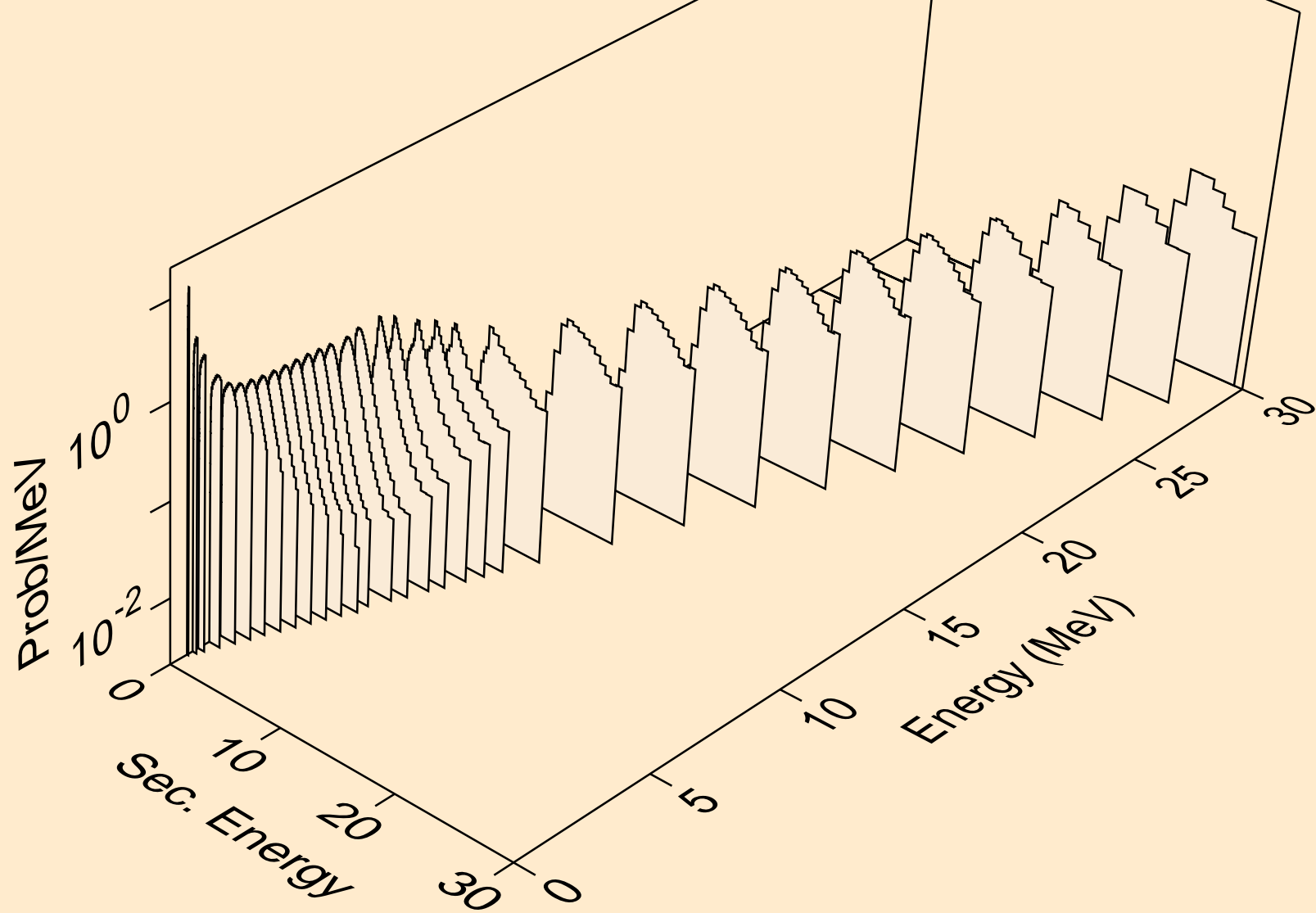
PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n2p)



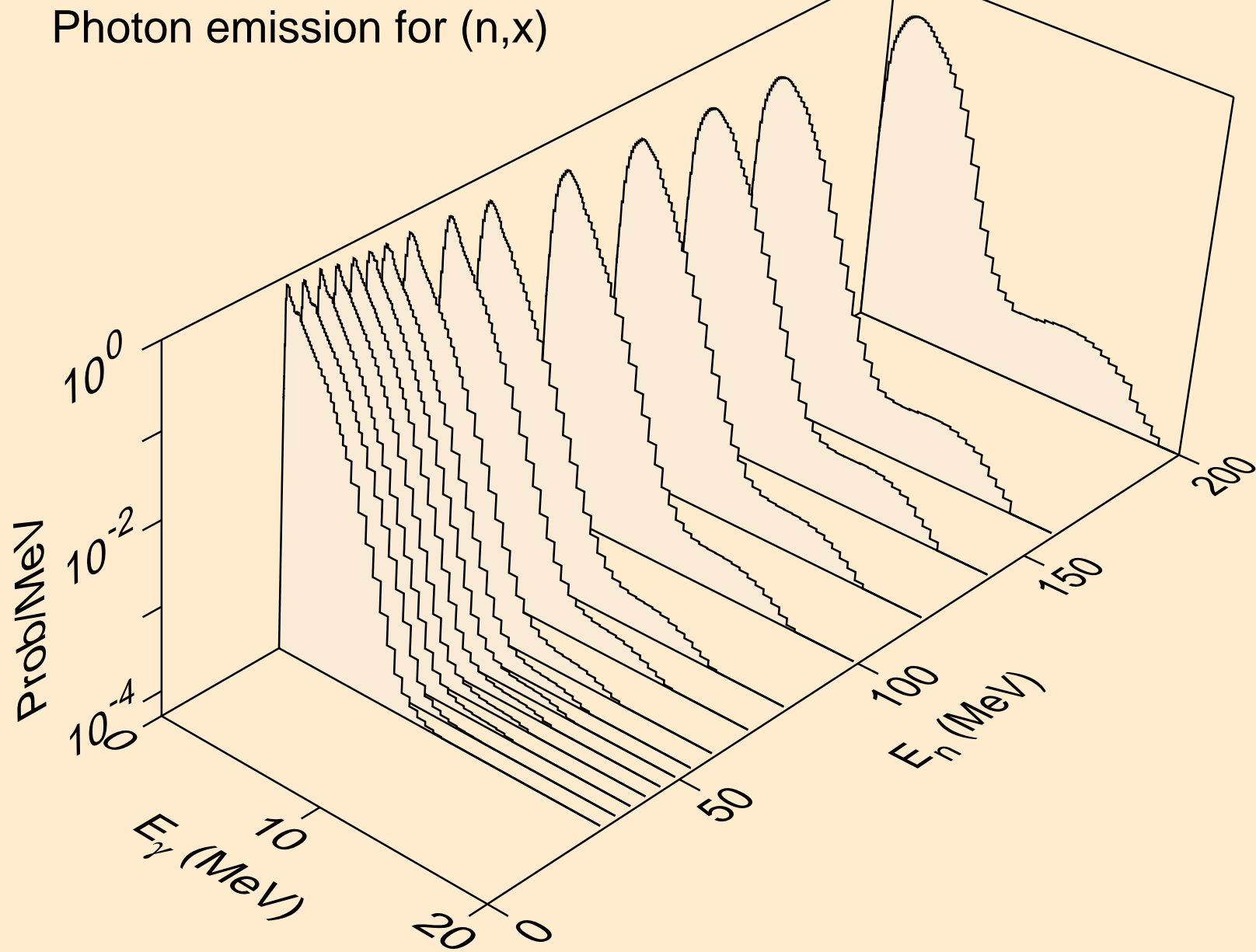
PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,npa)



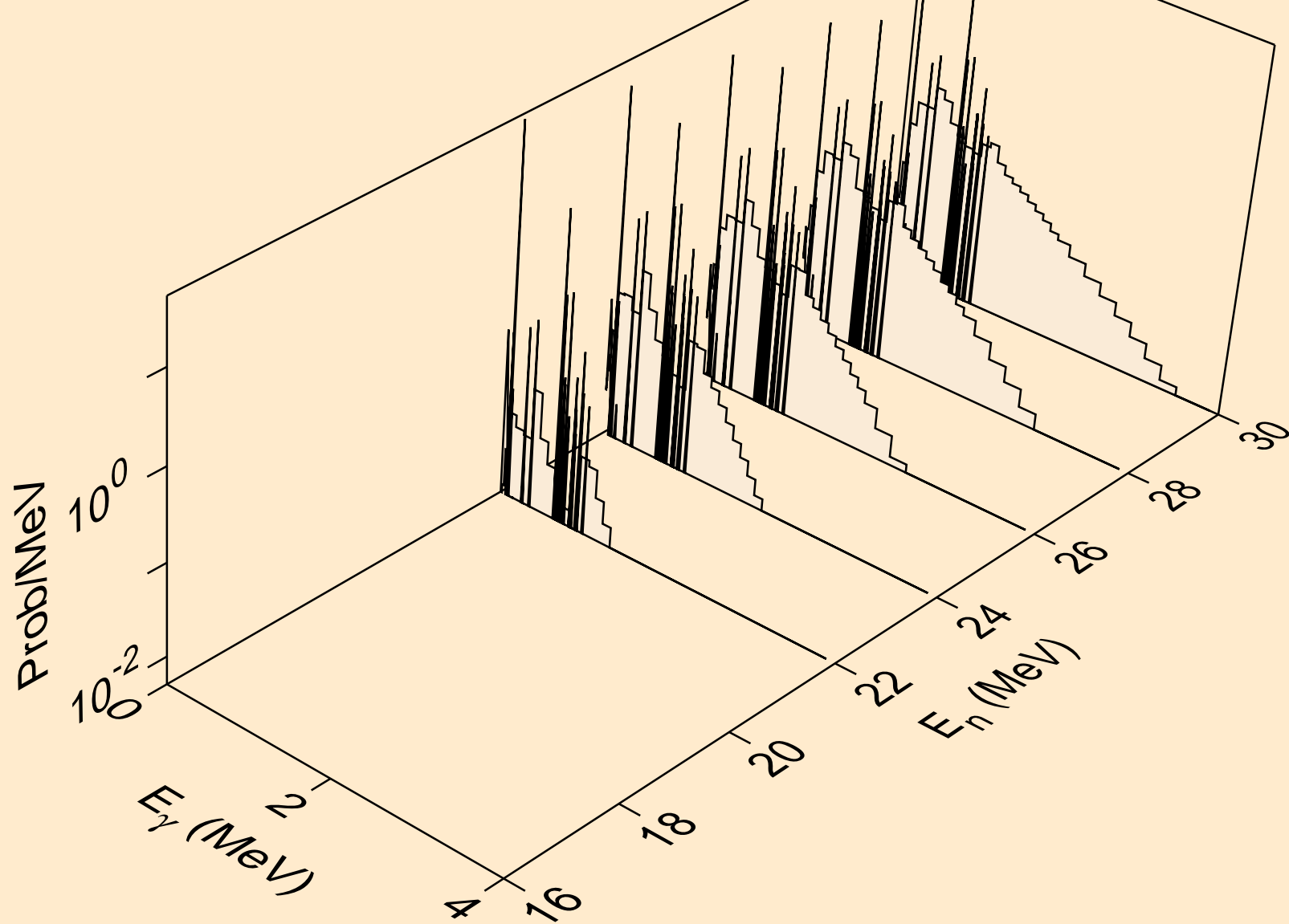
PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)



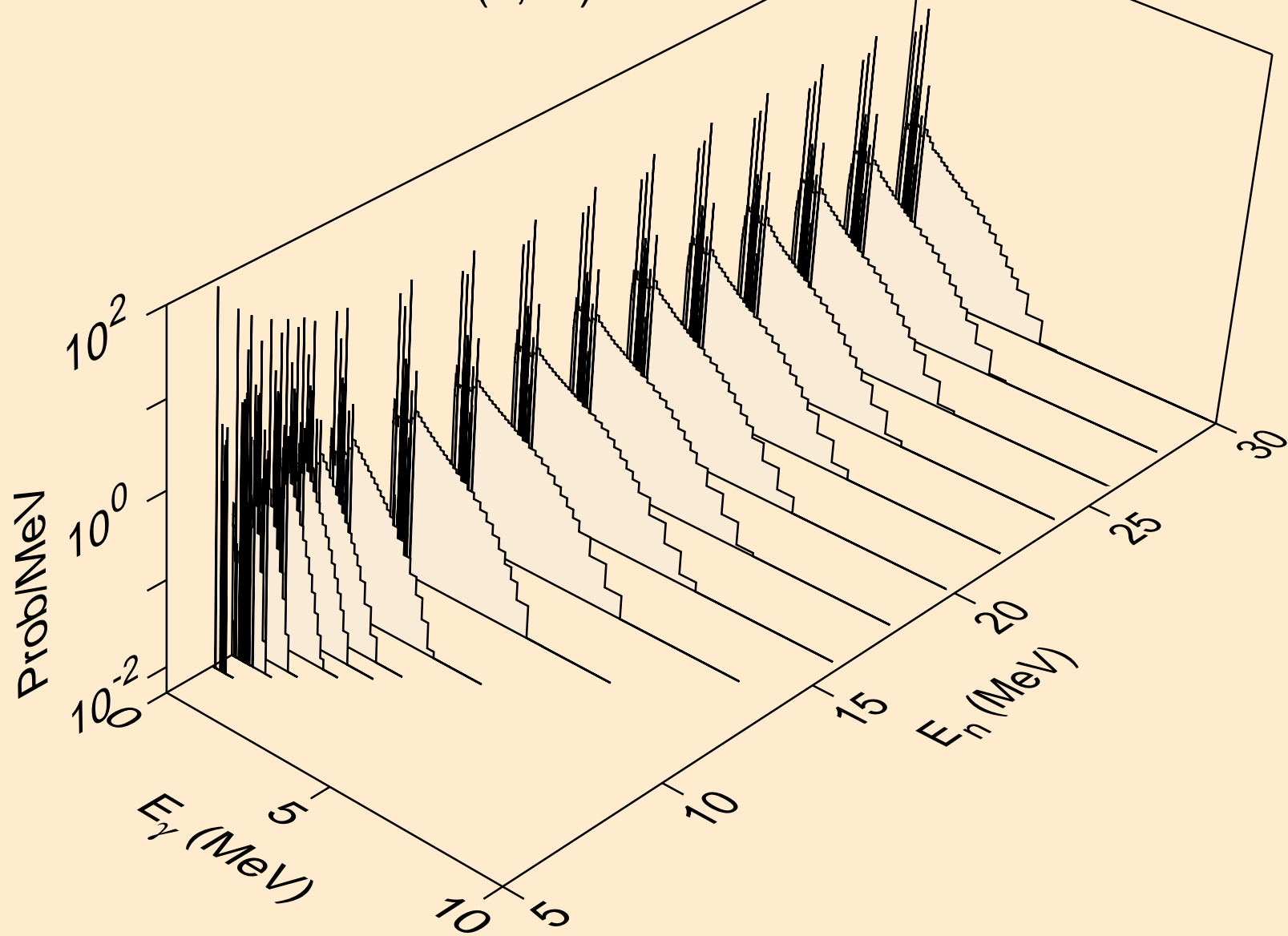
PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,x)



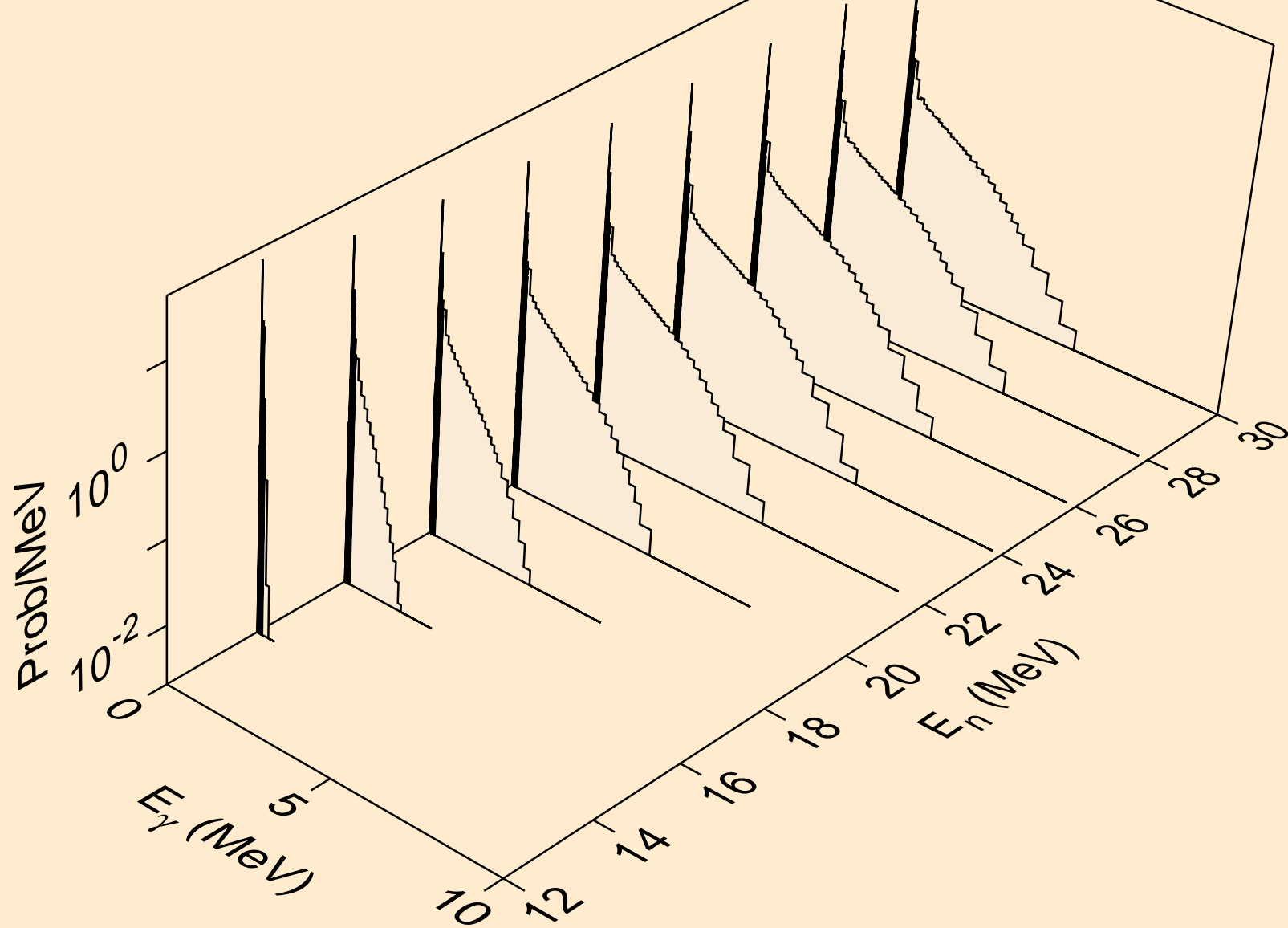
PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



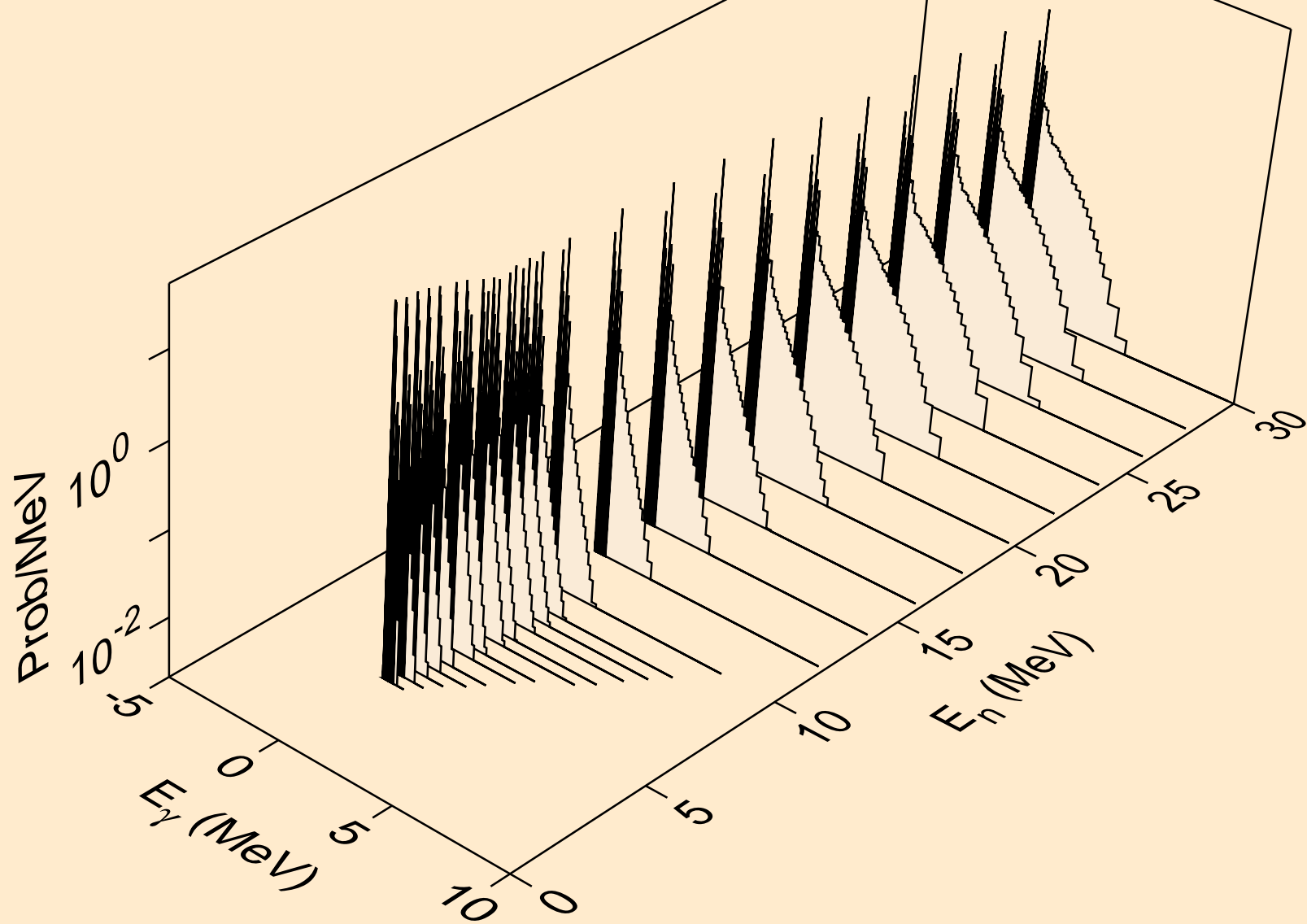
PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)

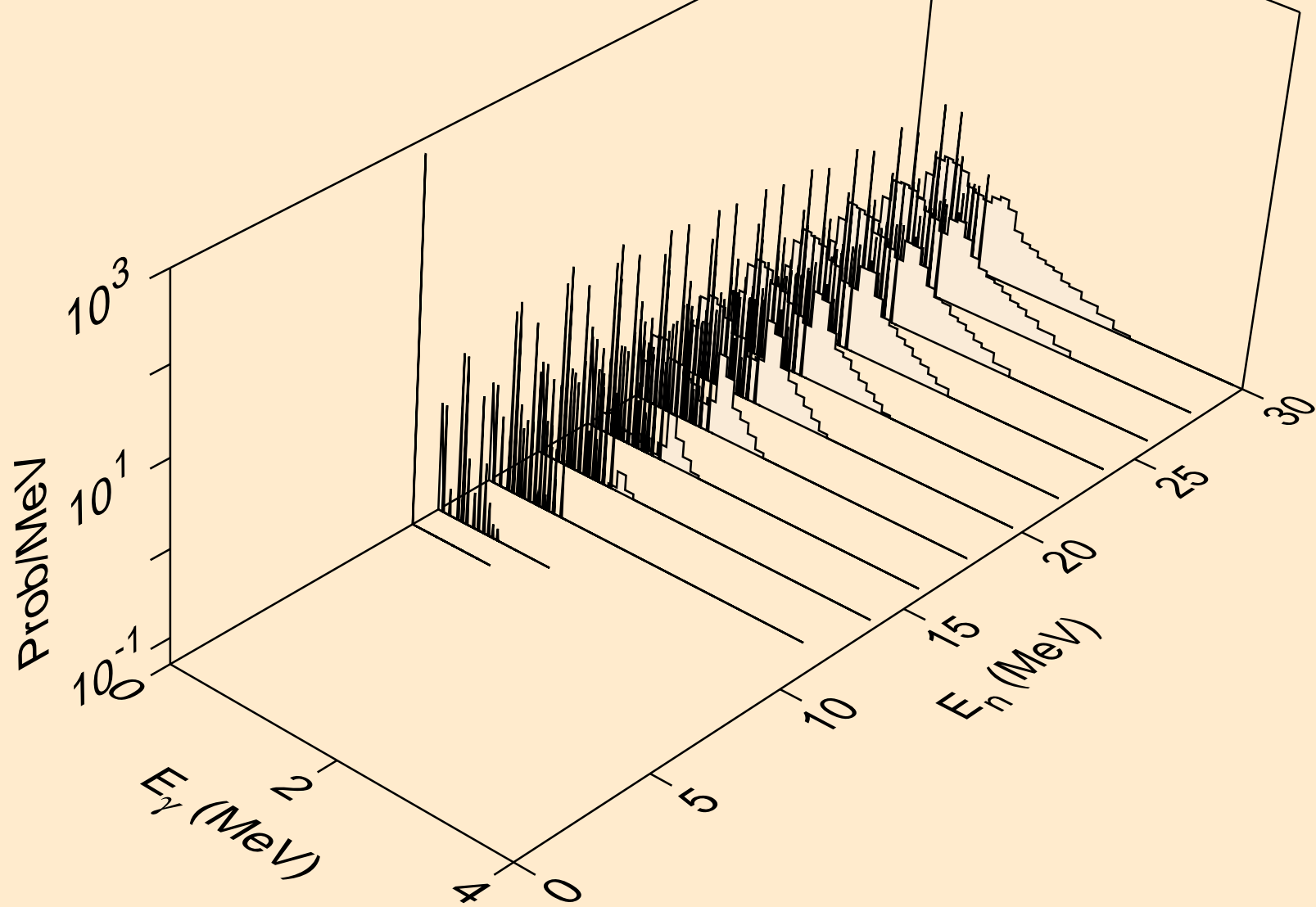


PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a

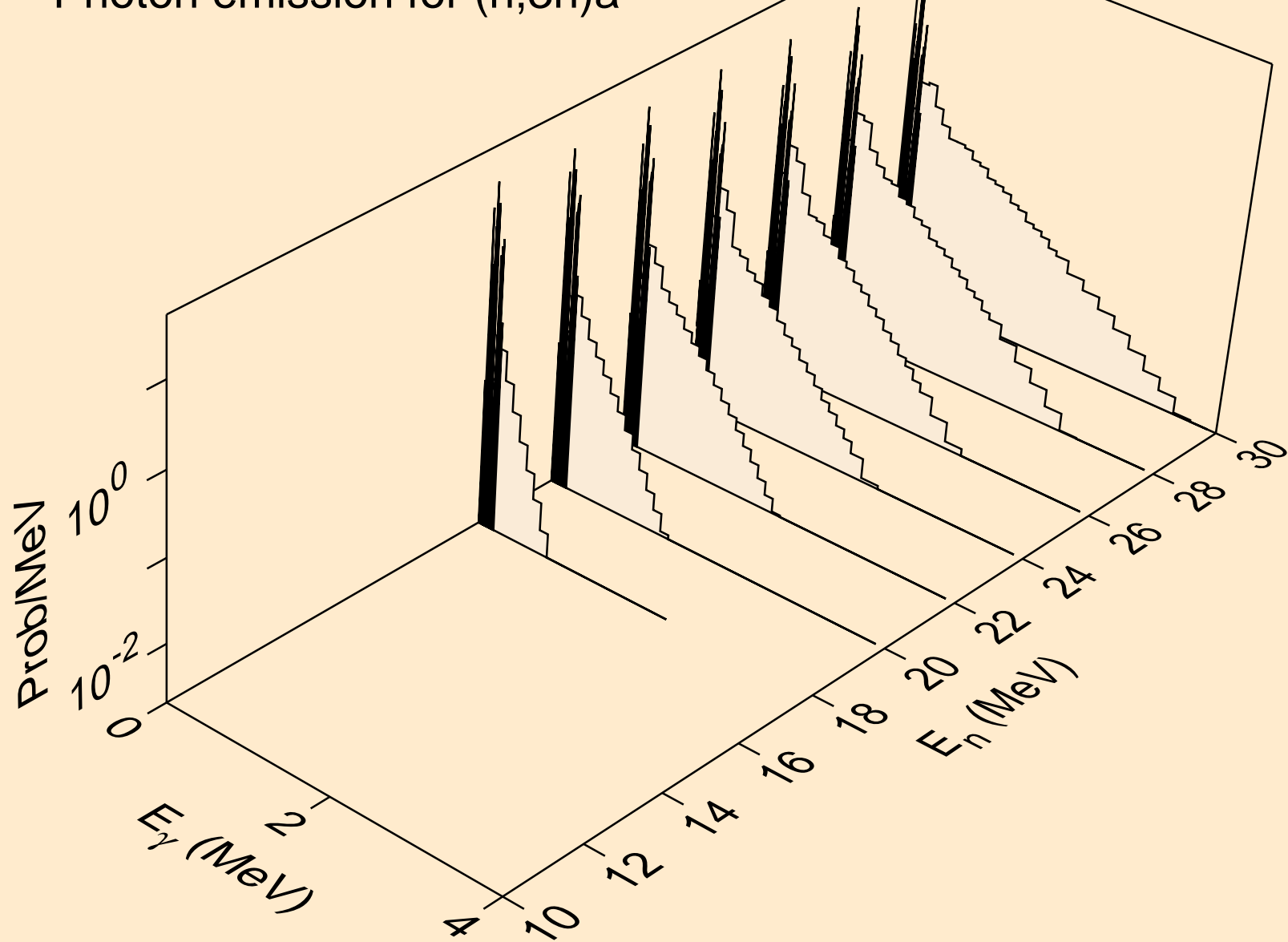




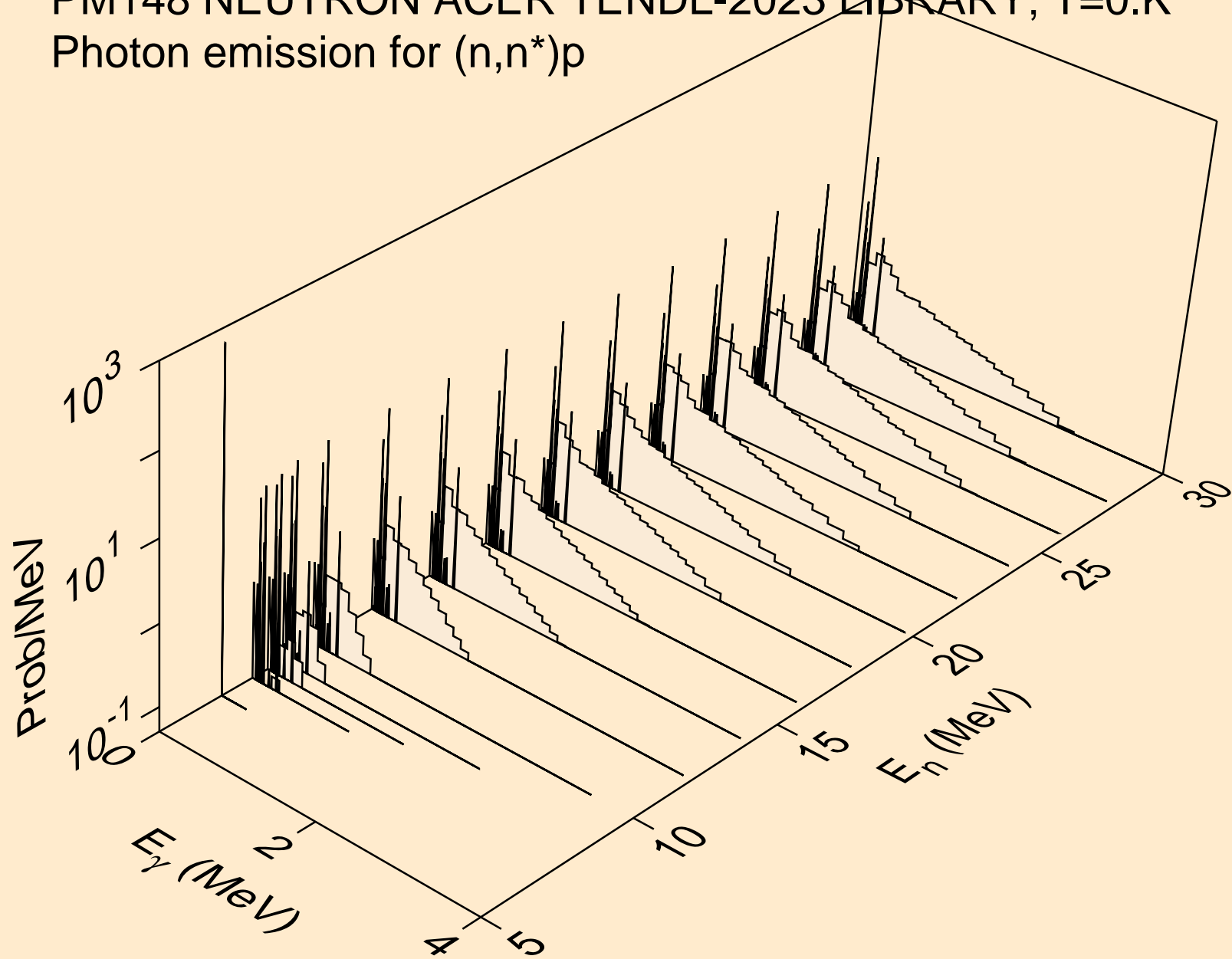
PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a



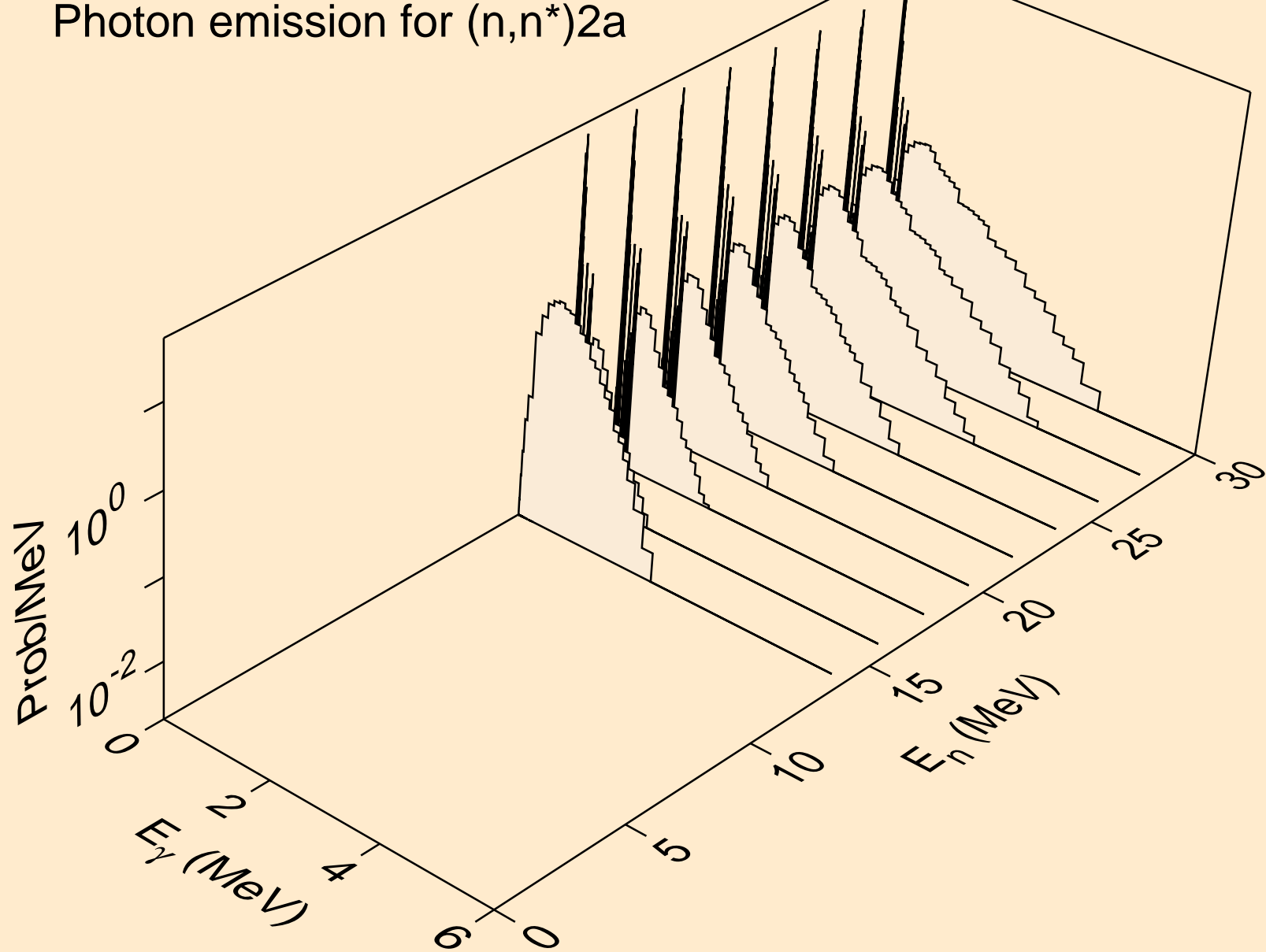
PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)a



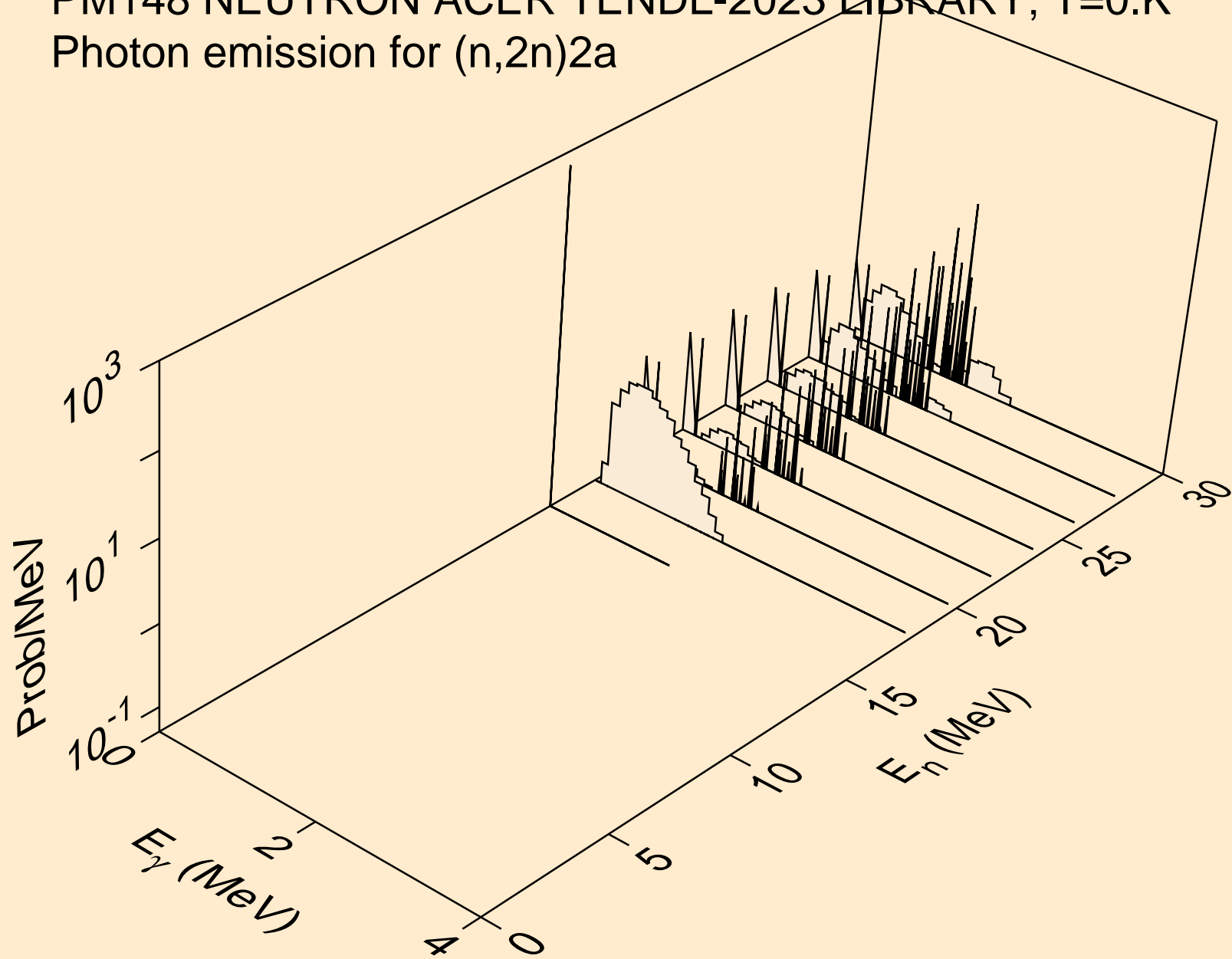
PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



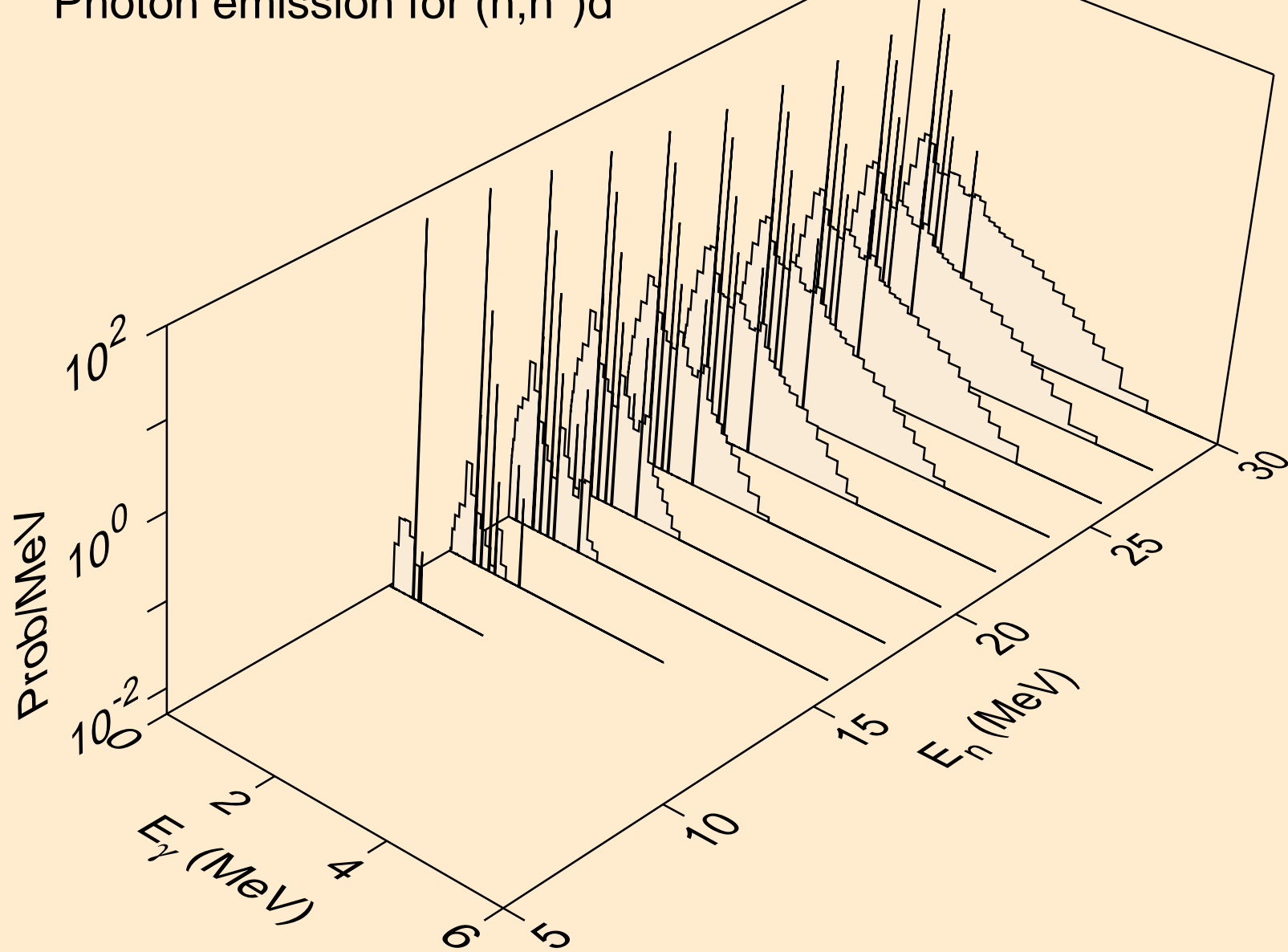
PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



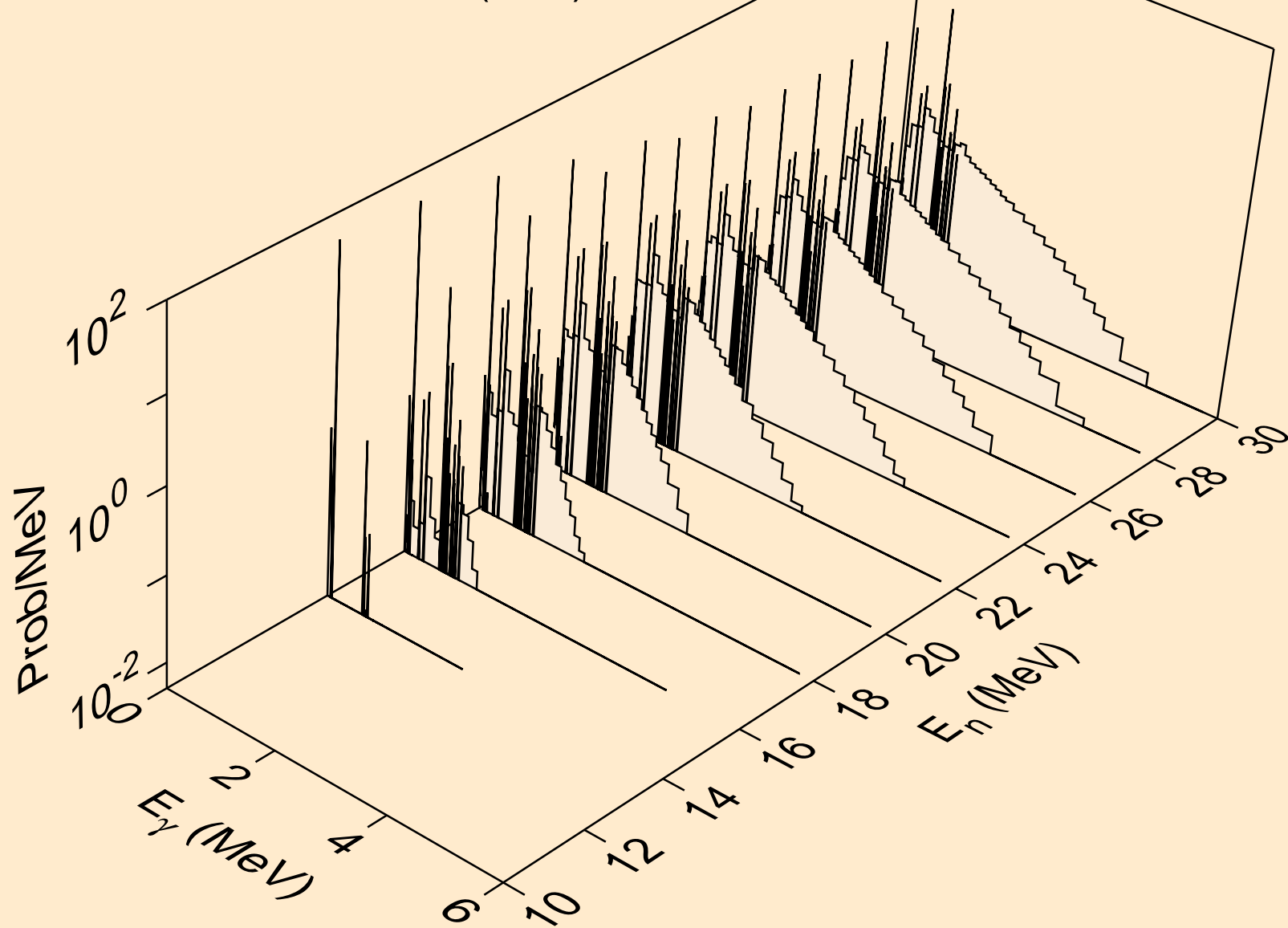
PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)2a



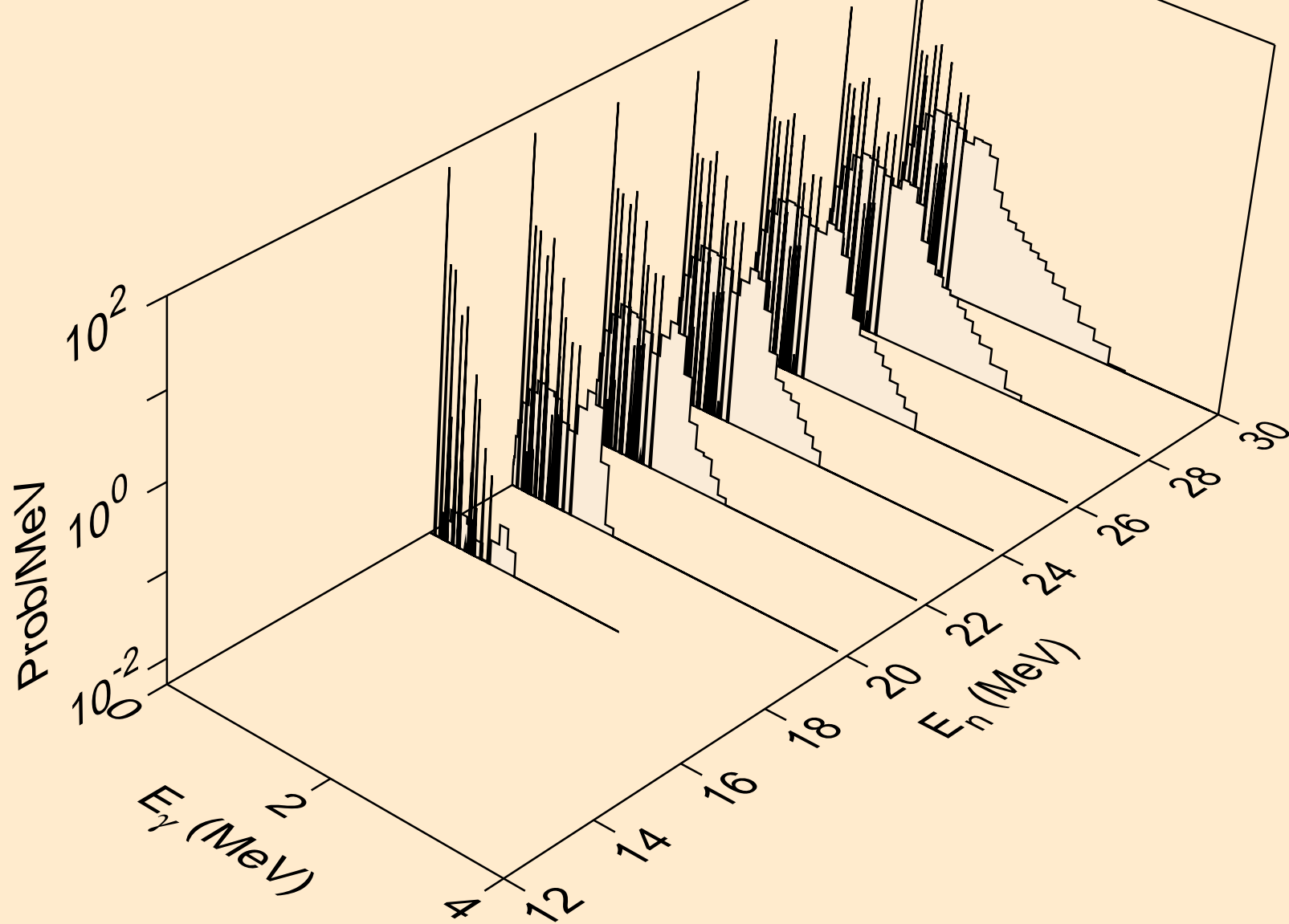
PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t

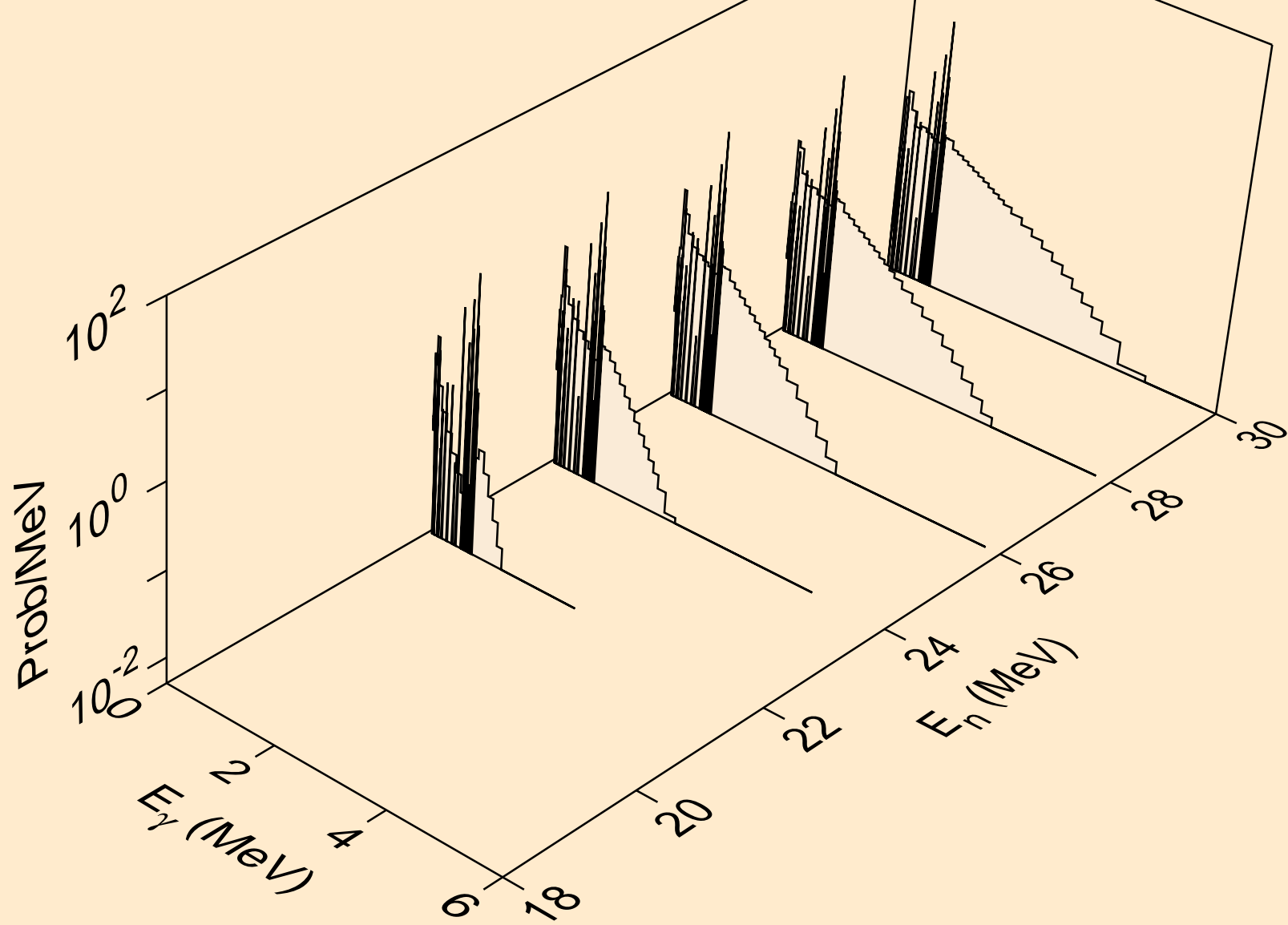


PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3

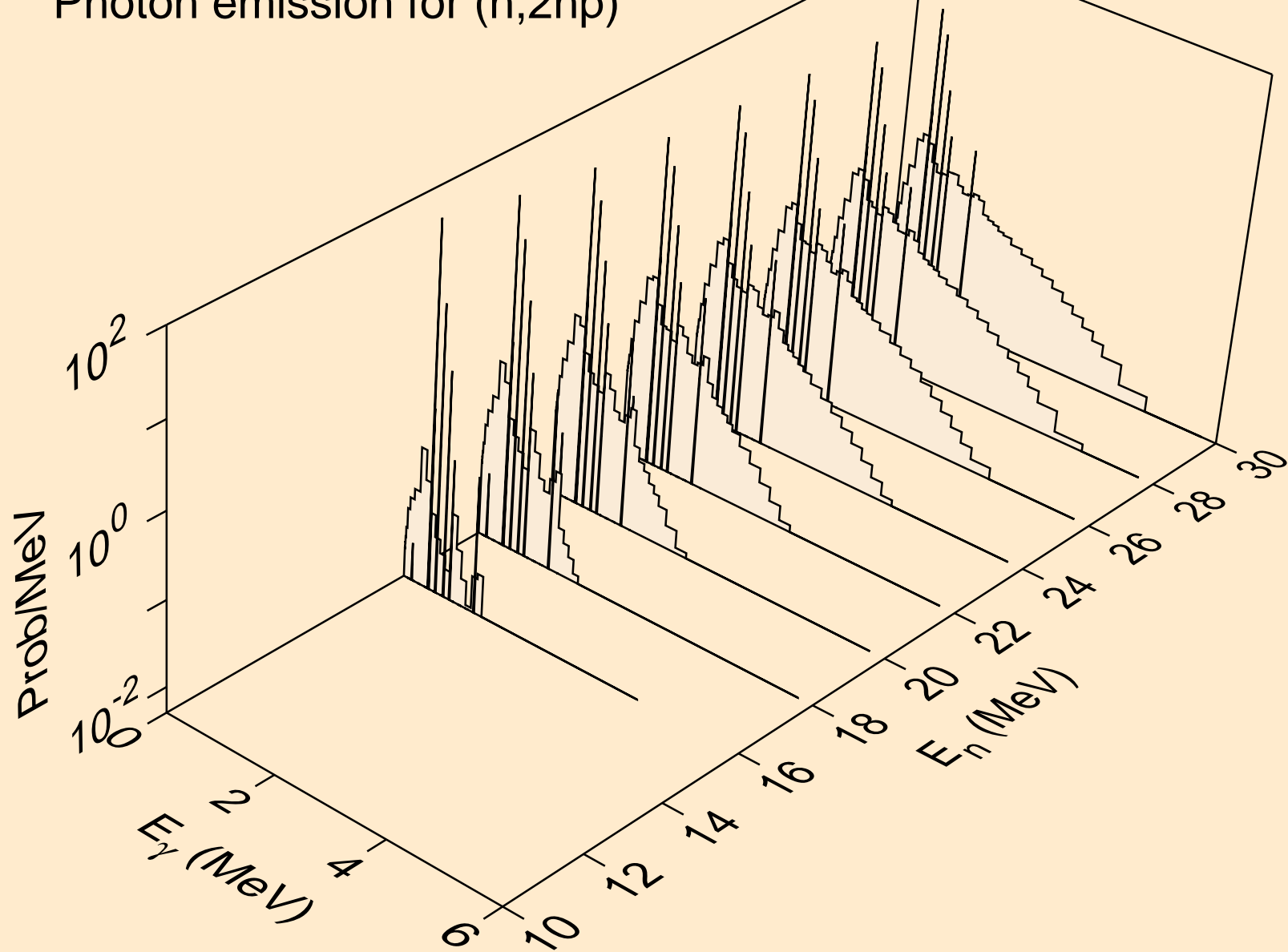




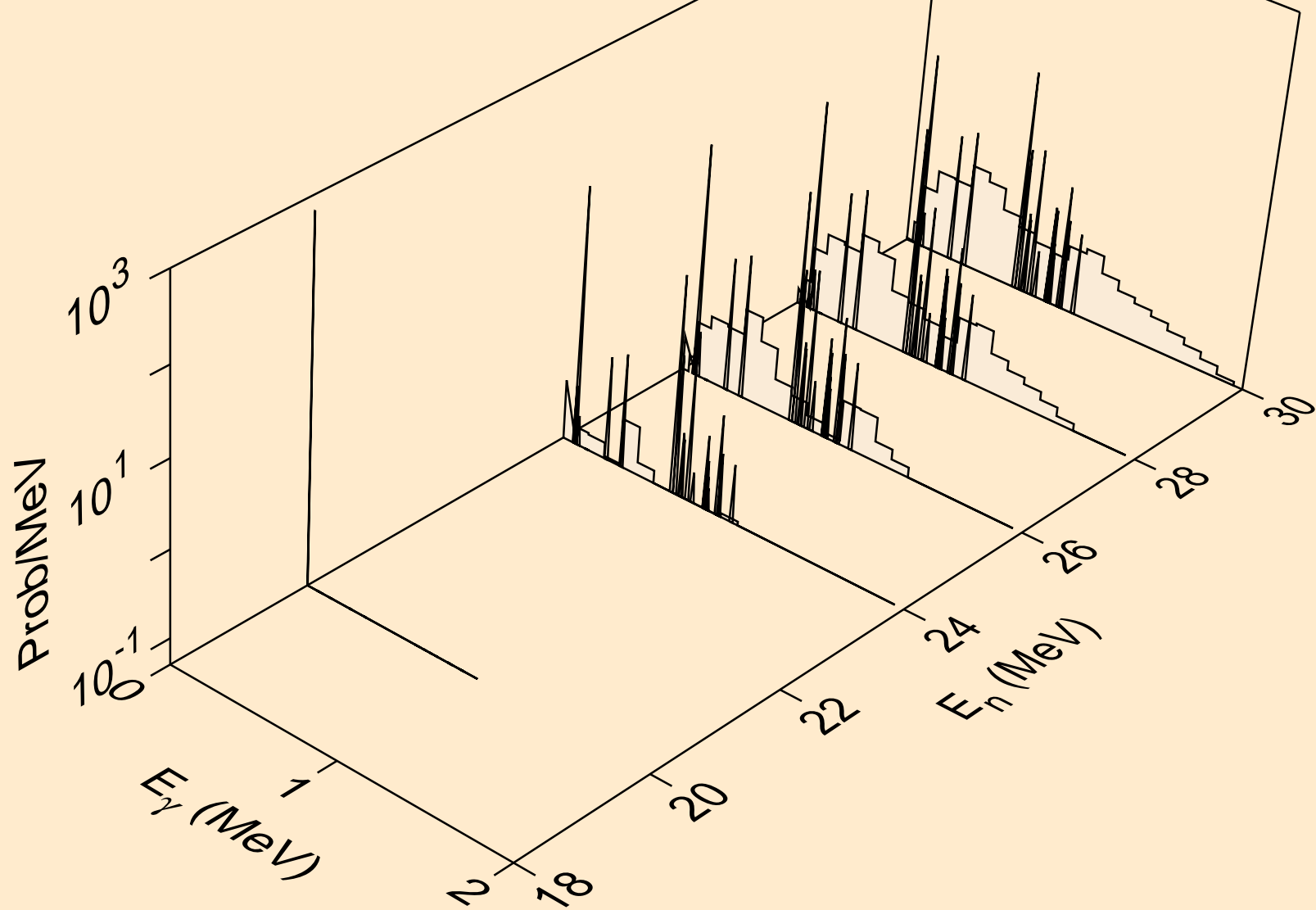
PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,4n)



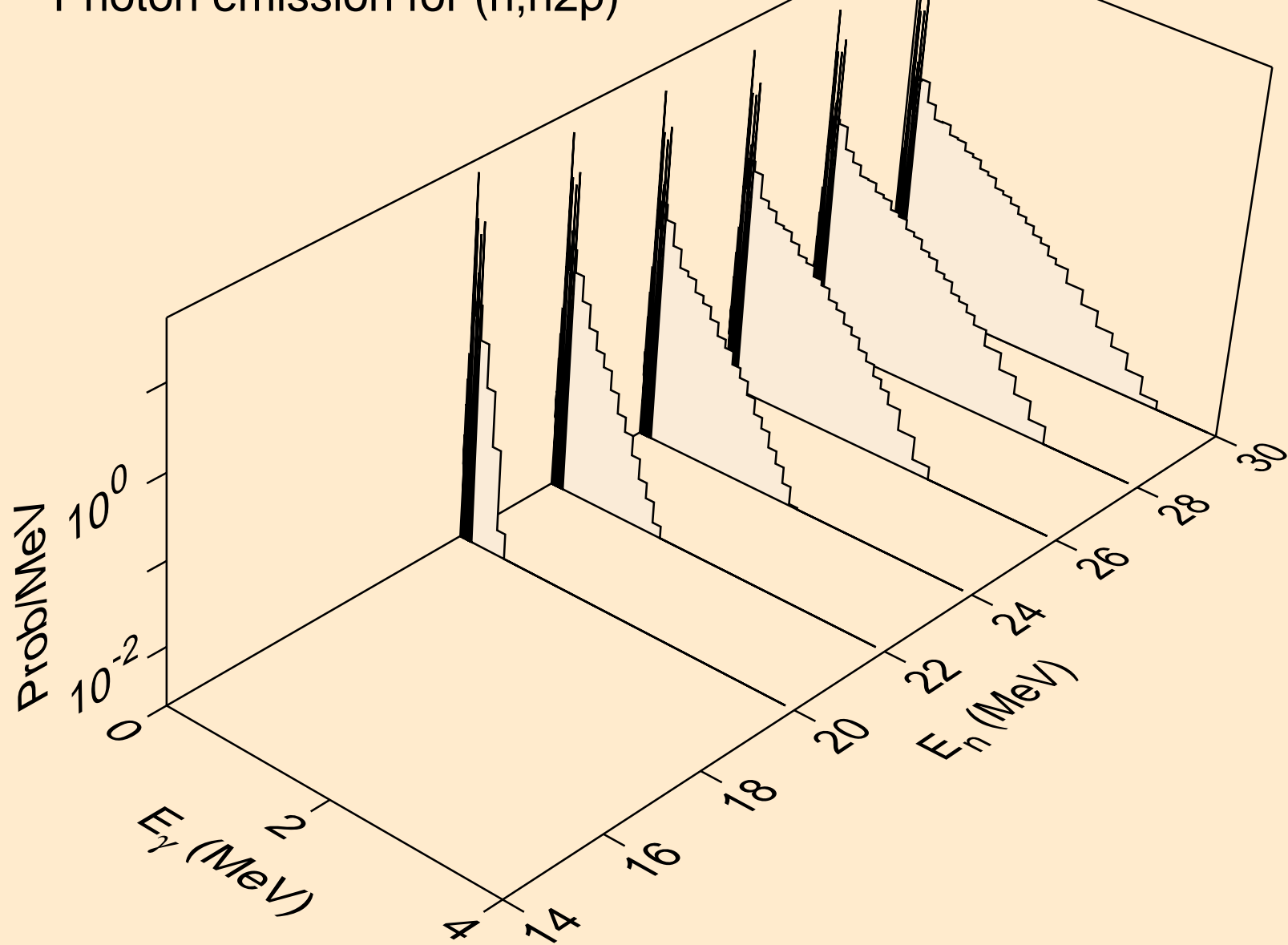
PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)



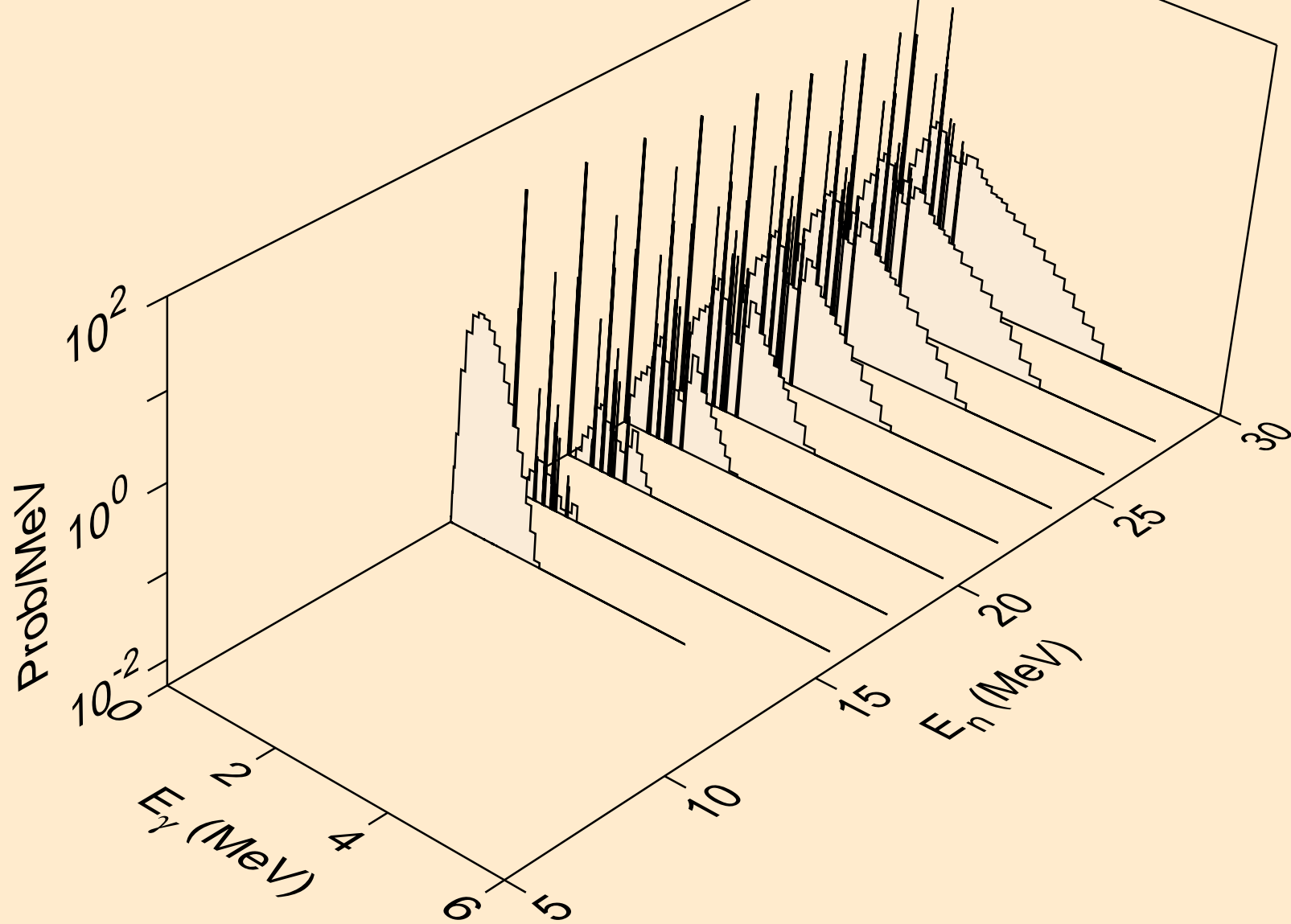
PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3np)



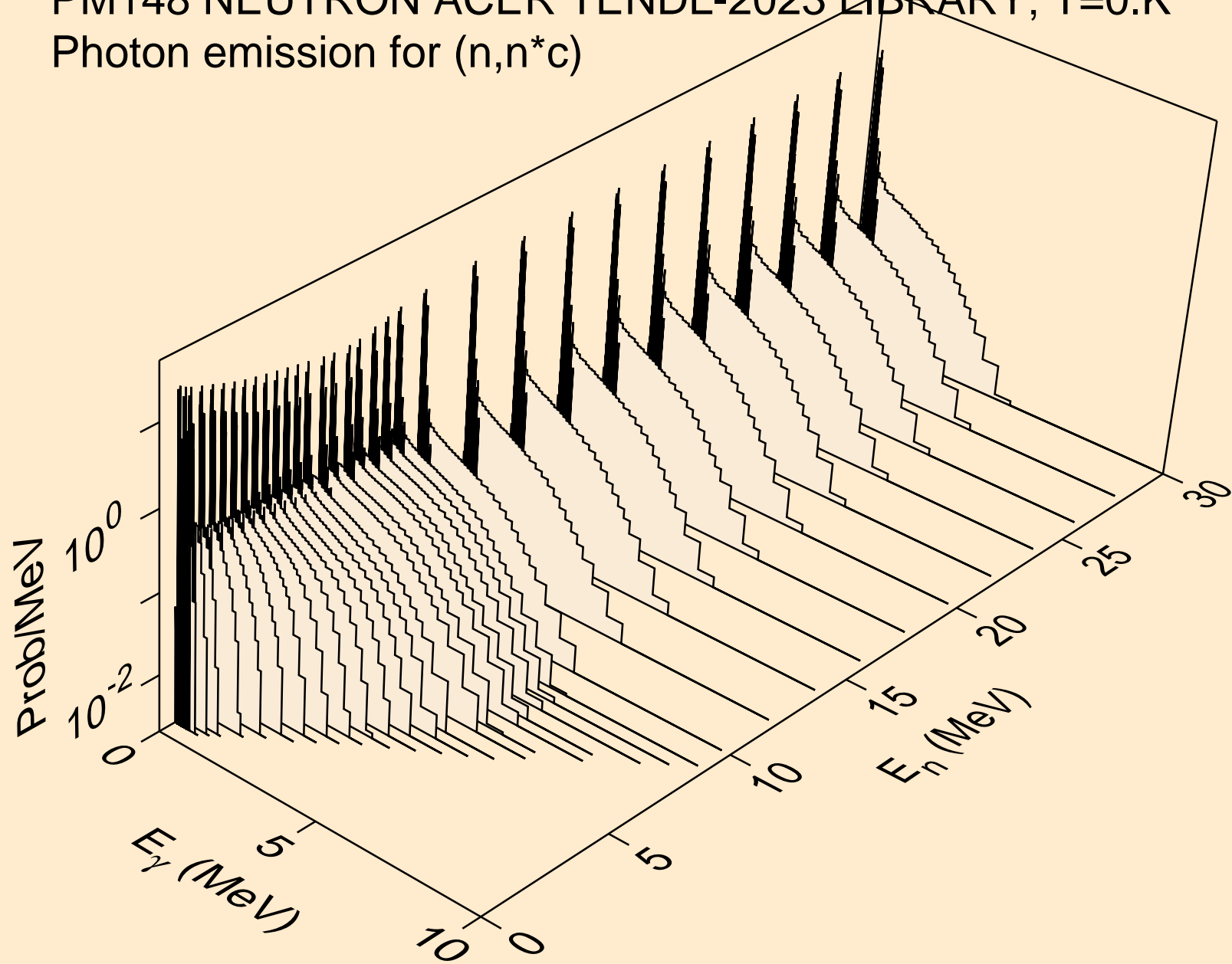
PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)



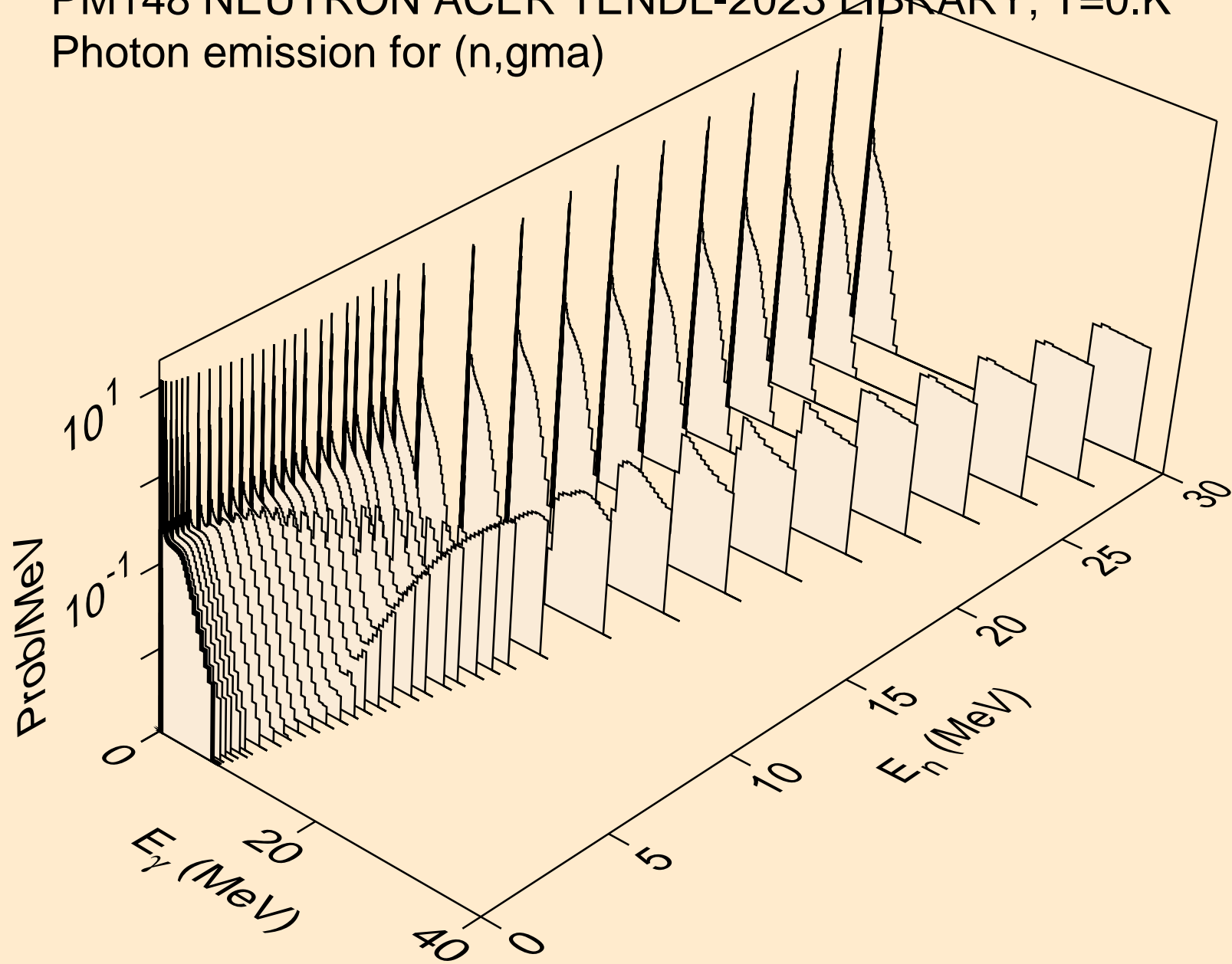
PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,npa)



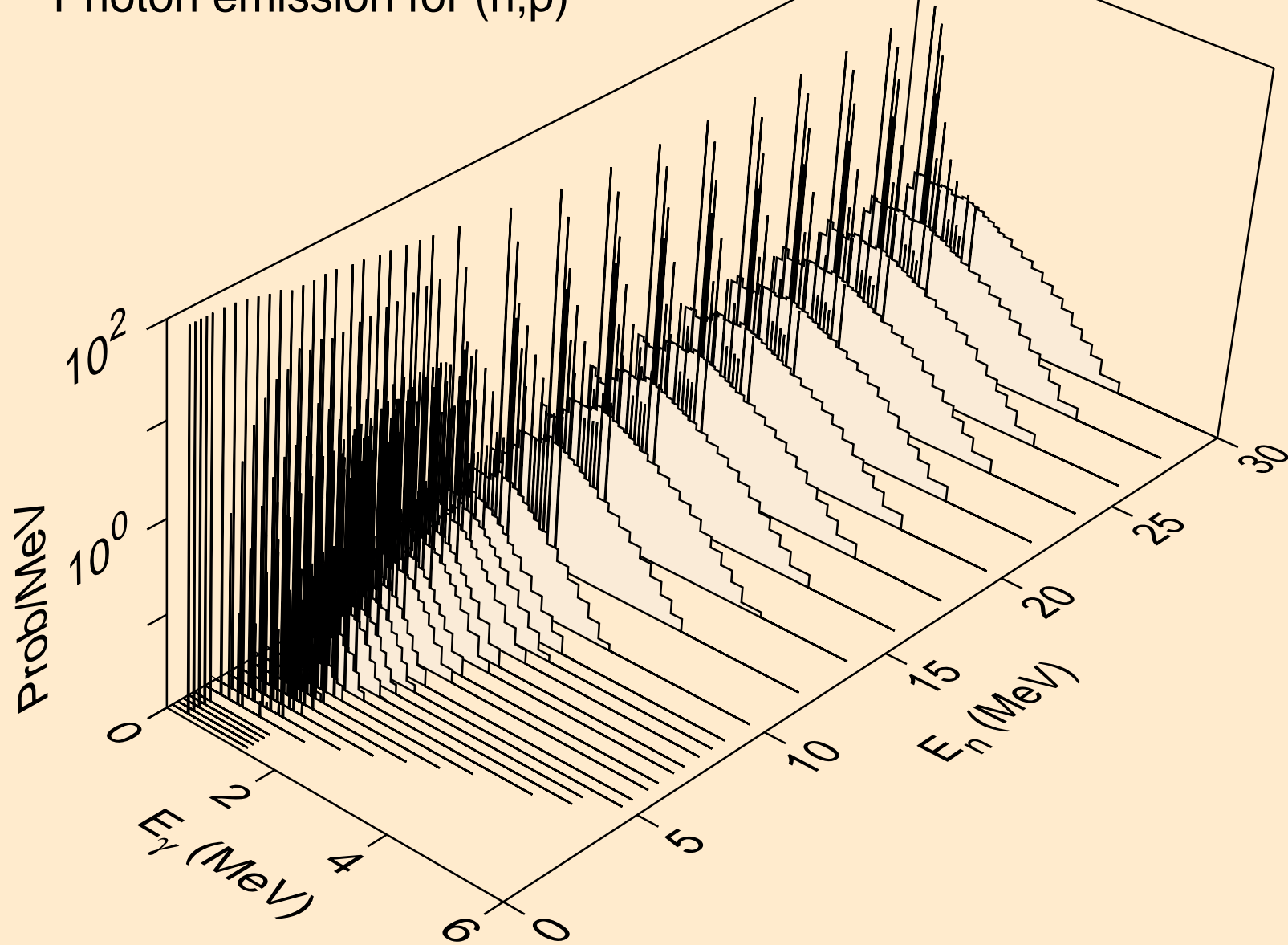
PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*c)



PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)

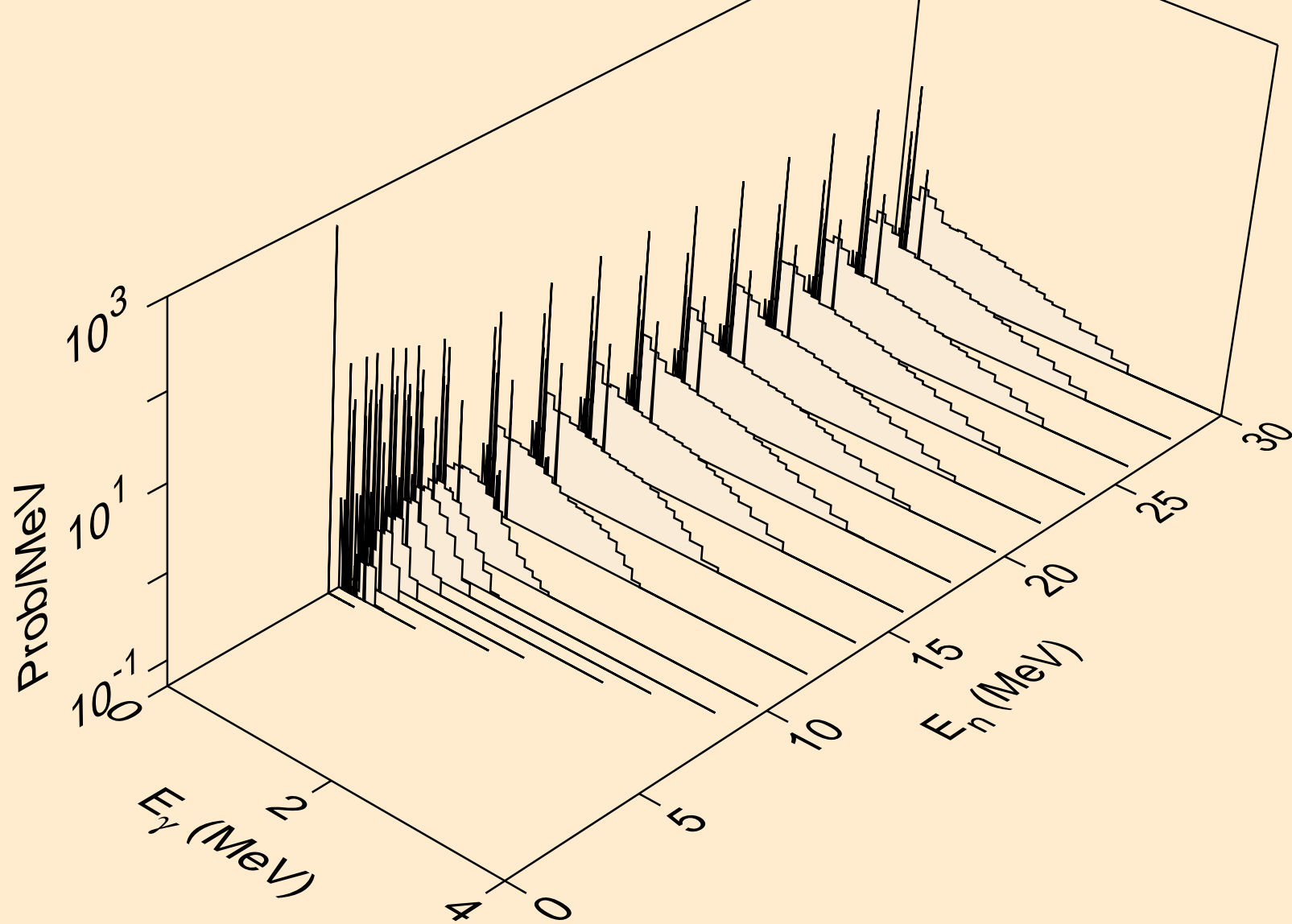


PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)

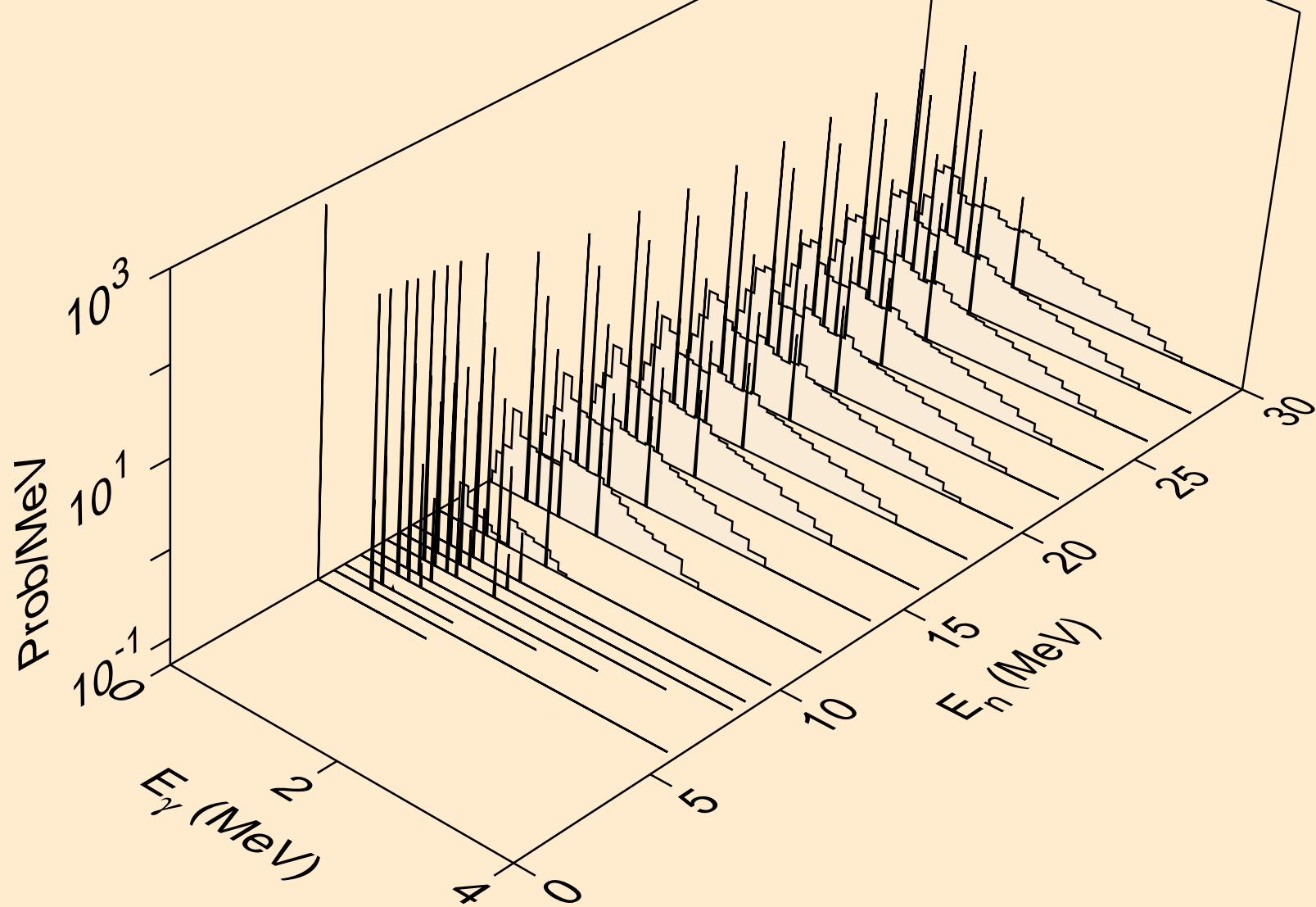




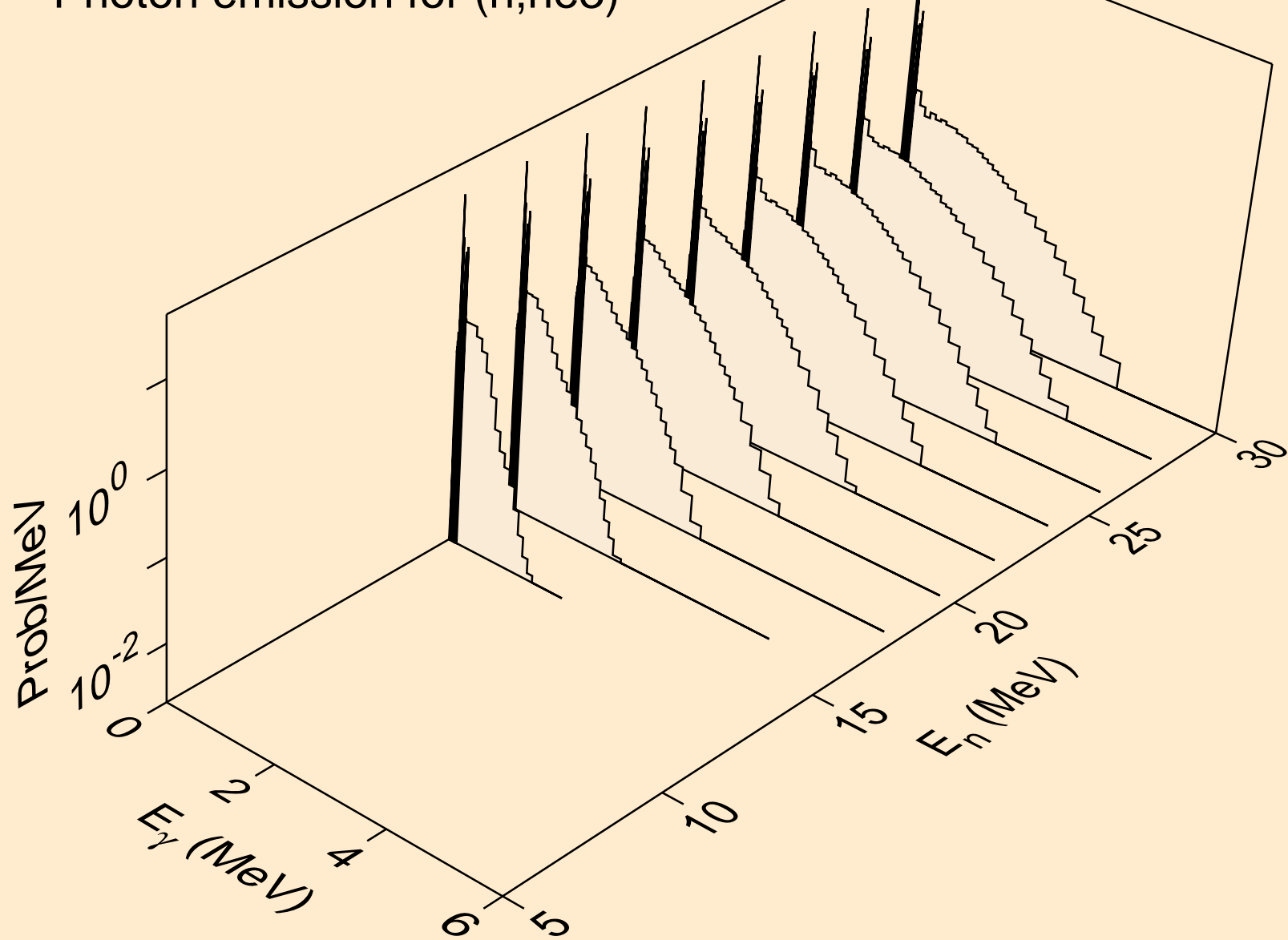
PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)



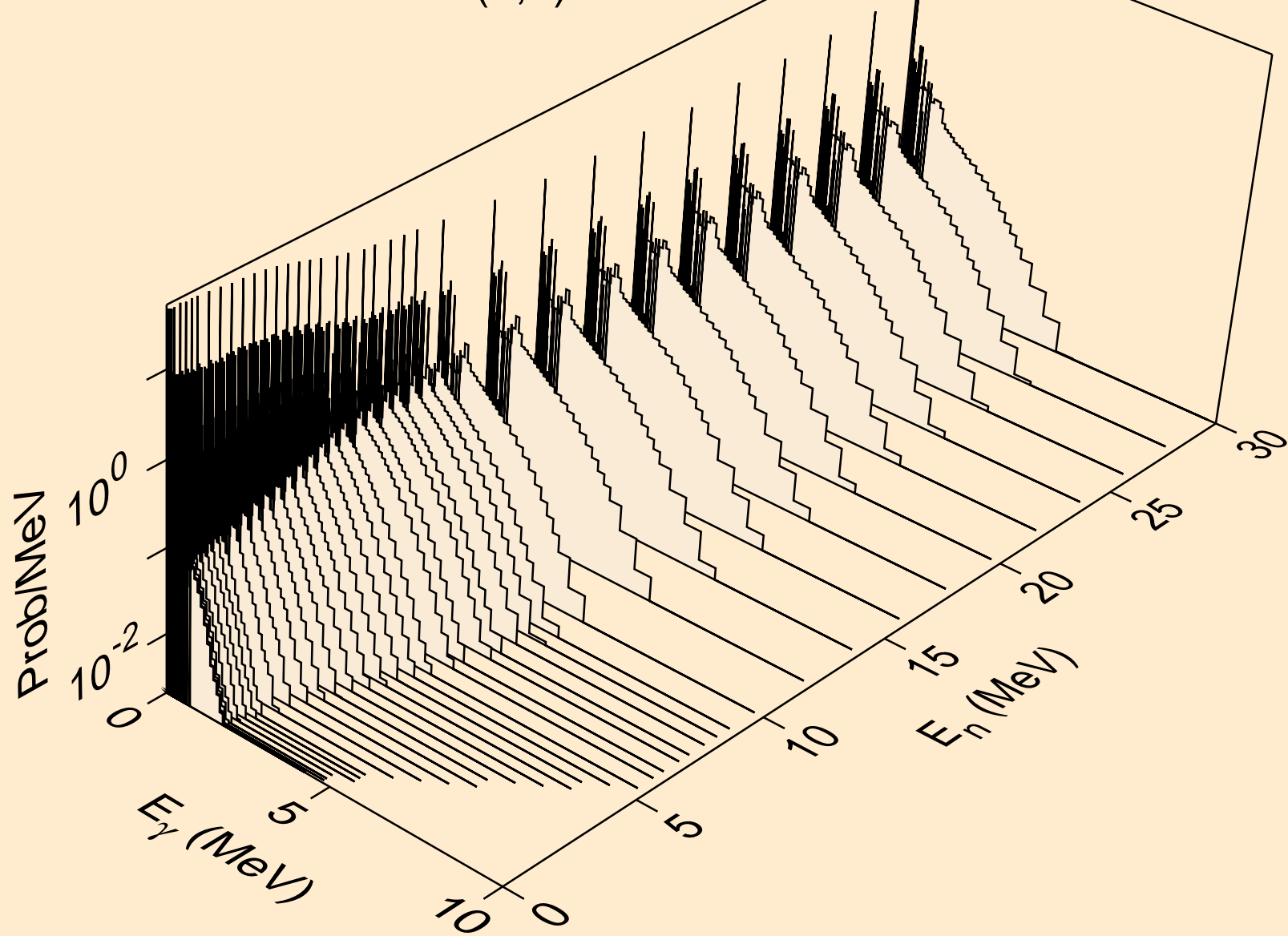
PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)



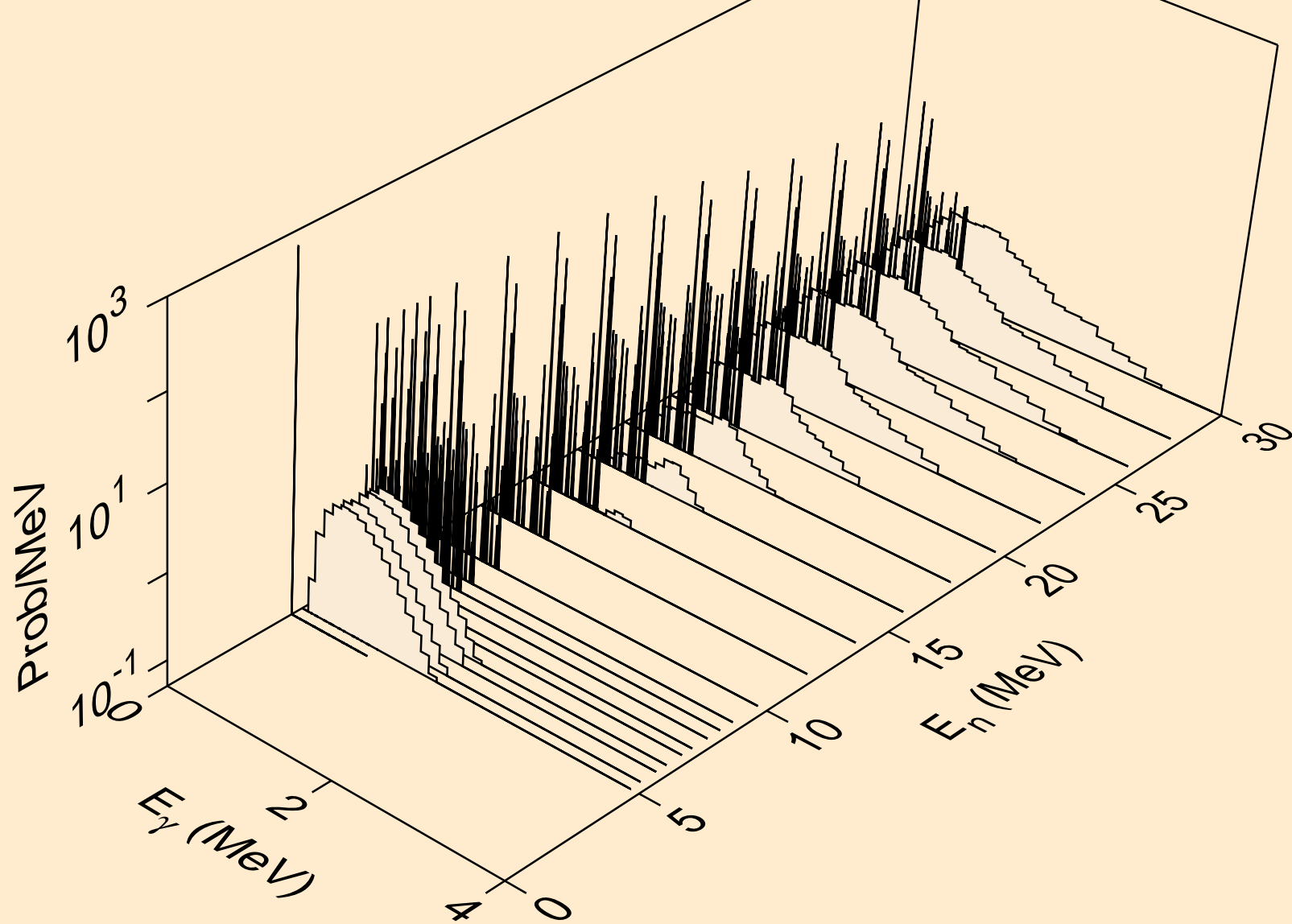
PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)



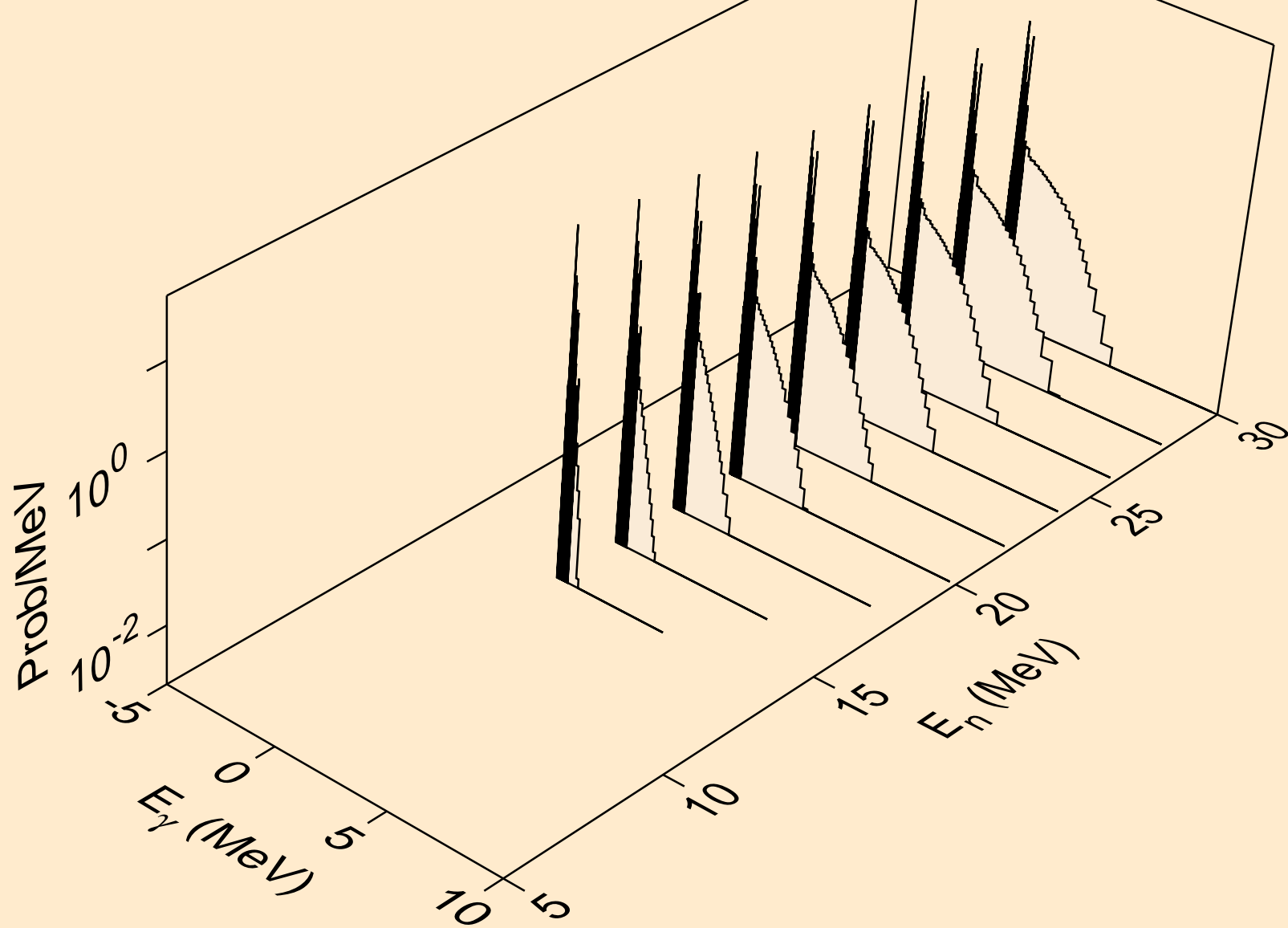
PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)



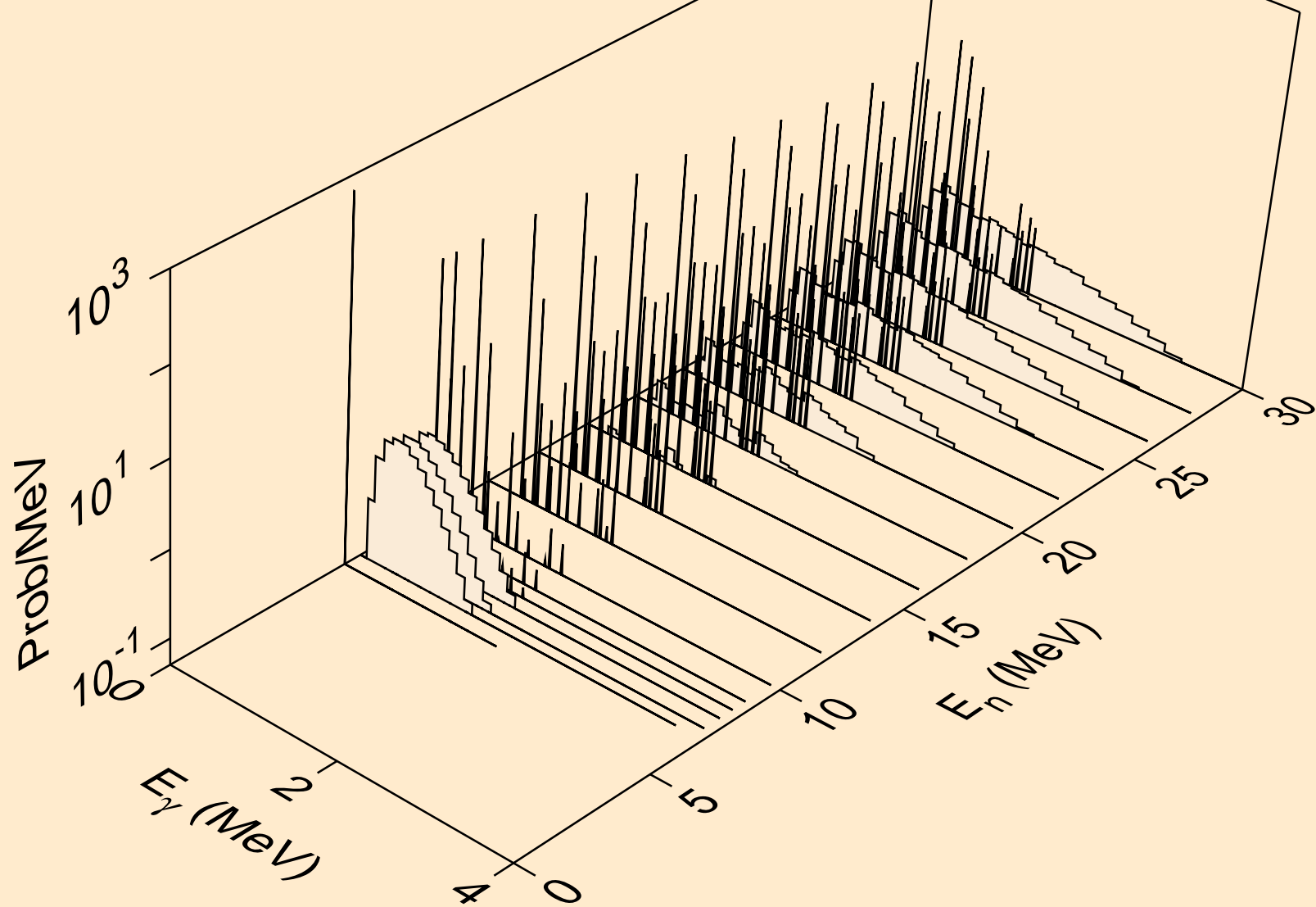
PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2a)



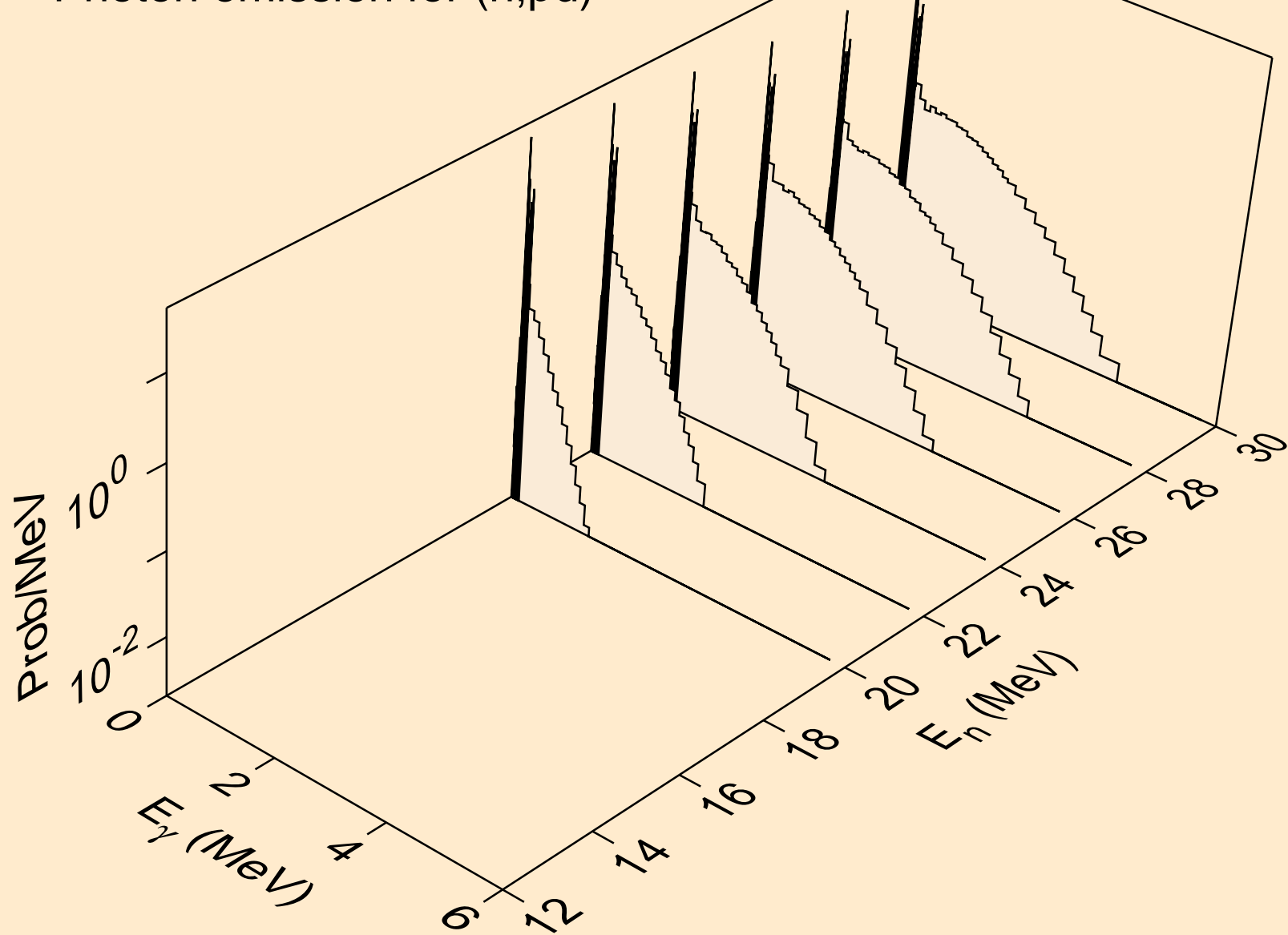
PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)



PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)

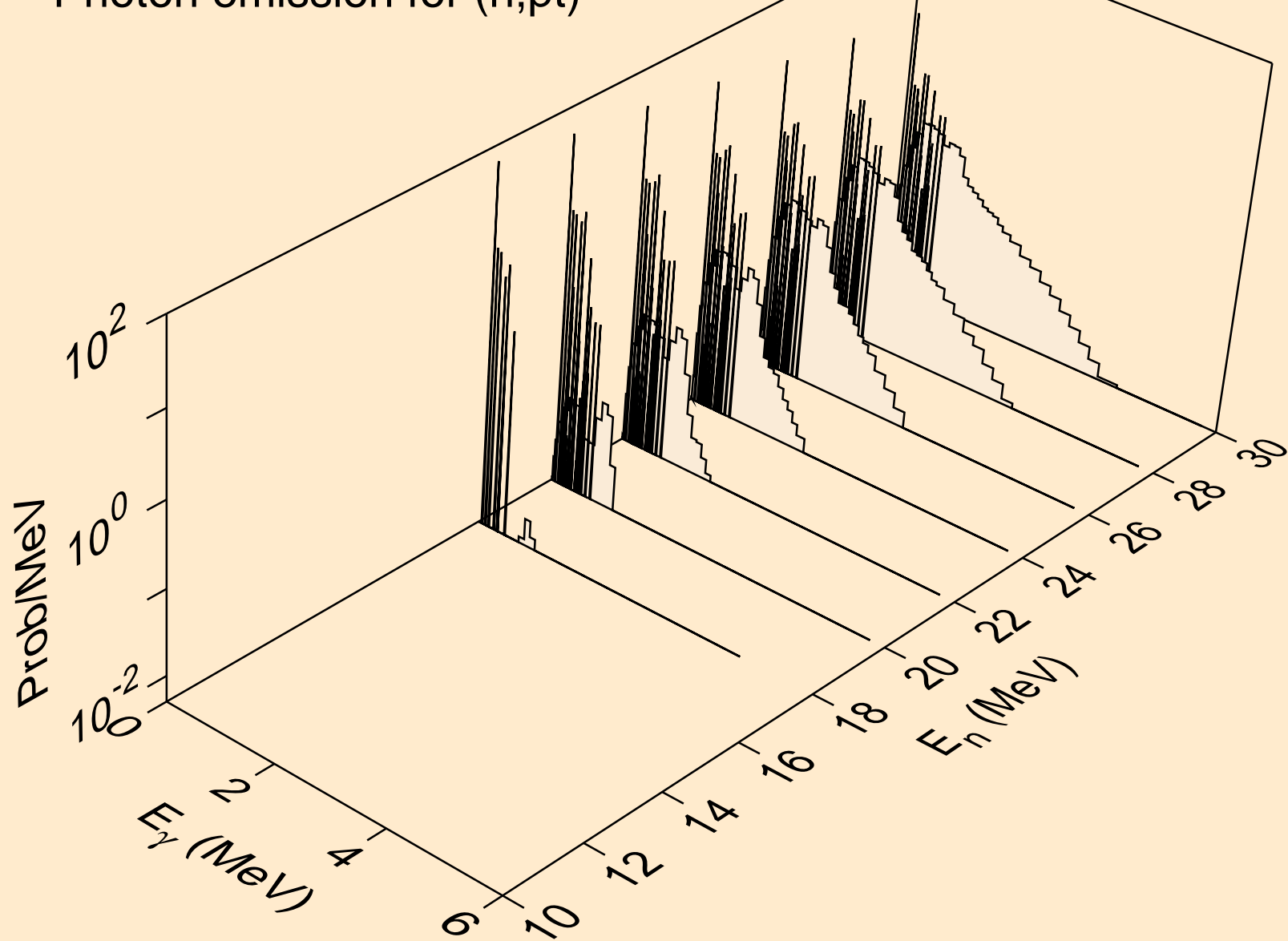


PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)

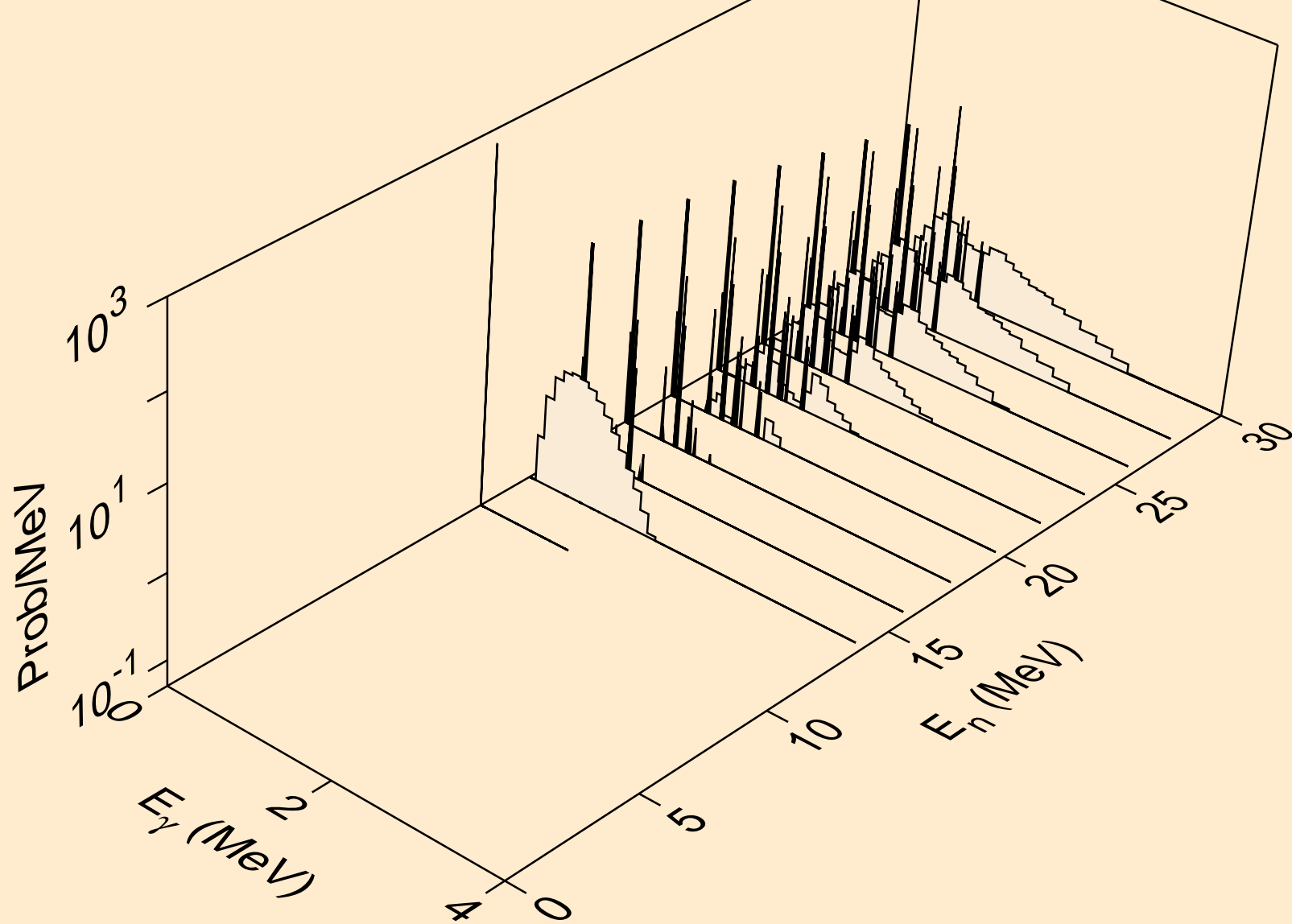




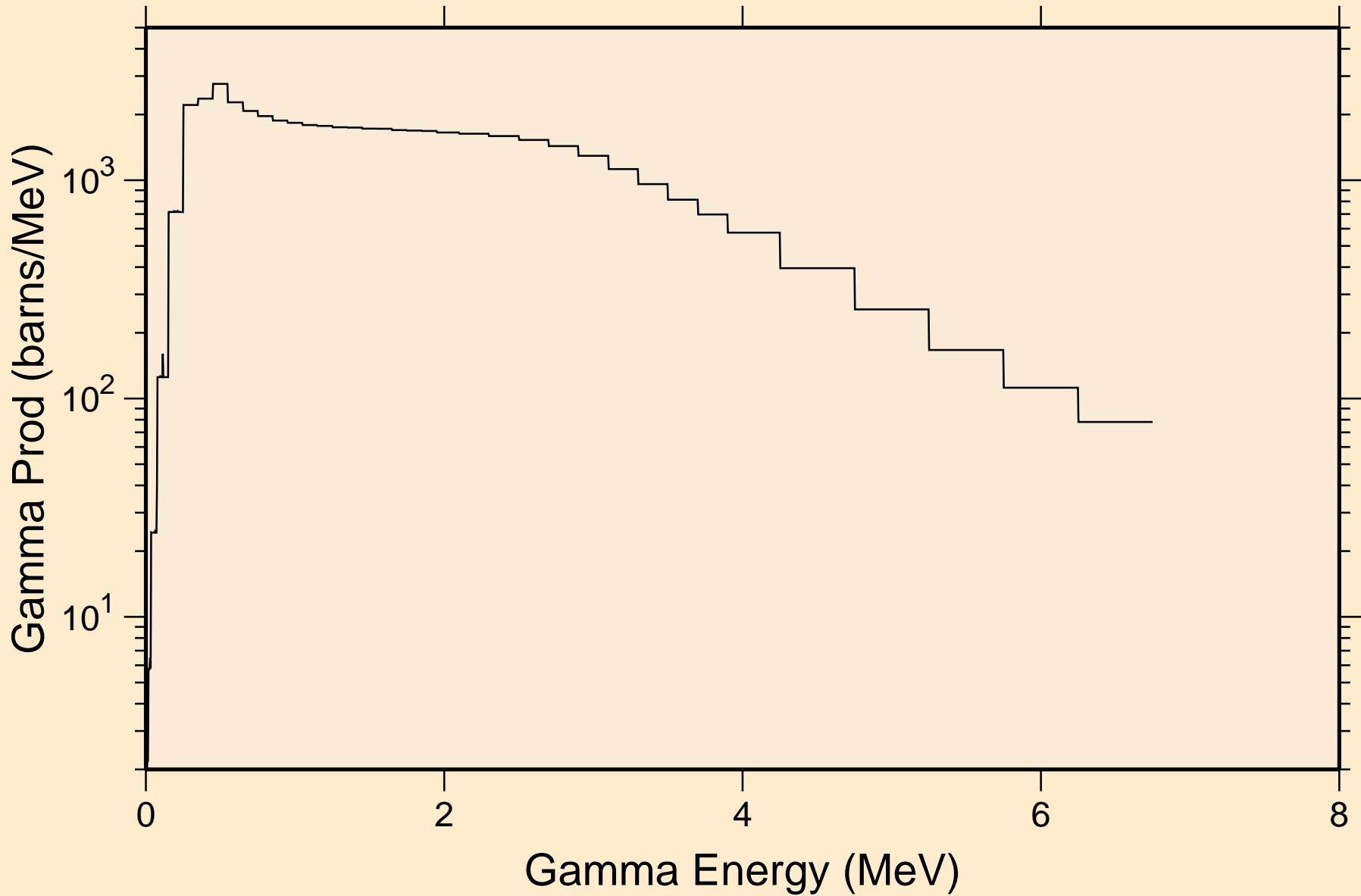
PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)



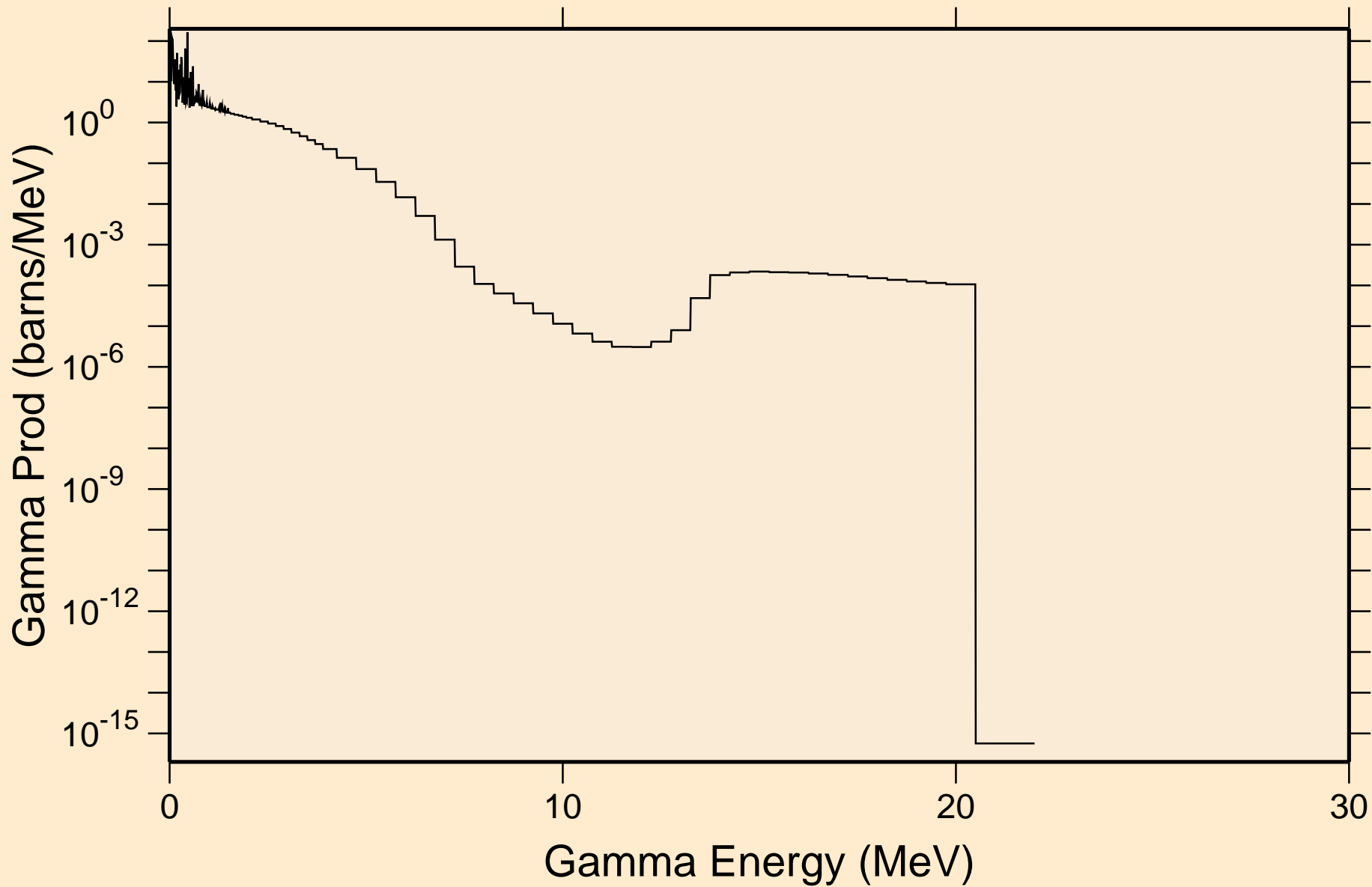
PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)



PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
thermal capture photon spectrum

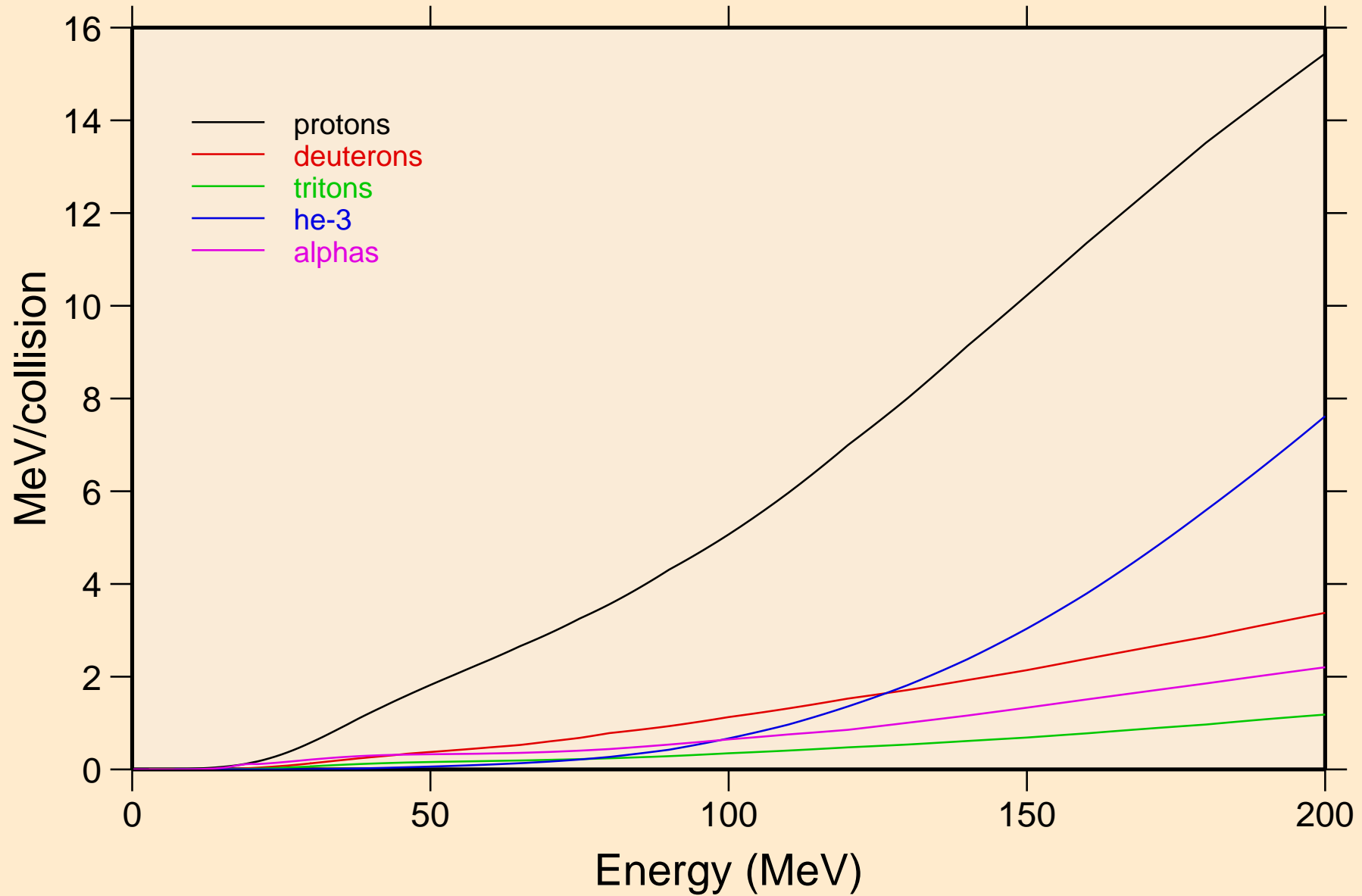


PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
14 MeV photon spectrum

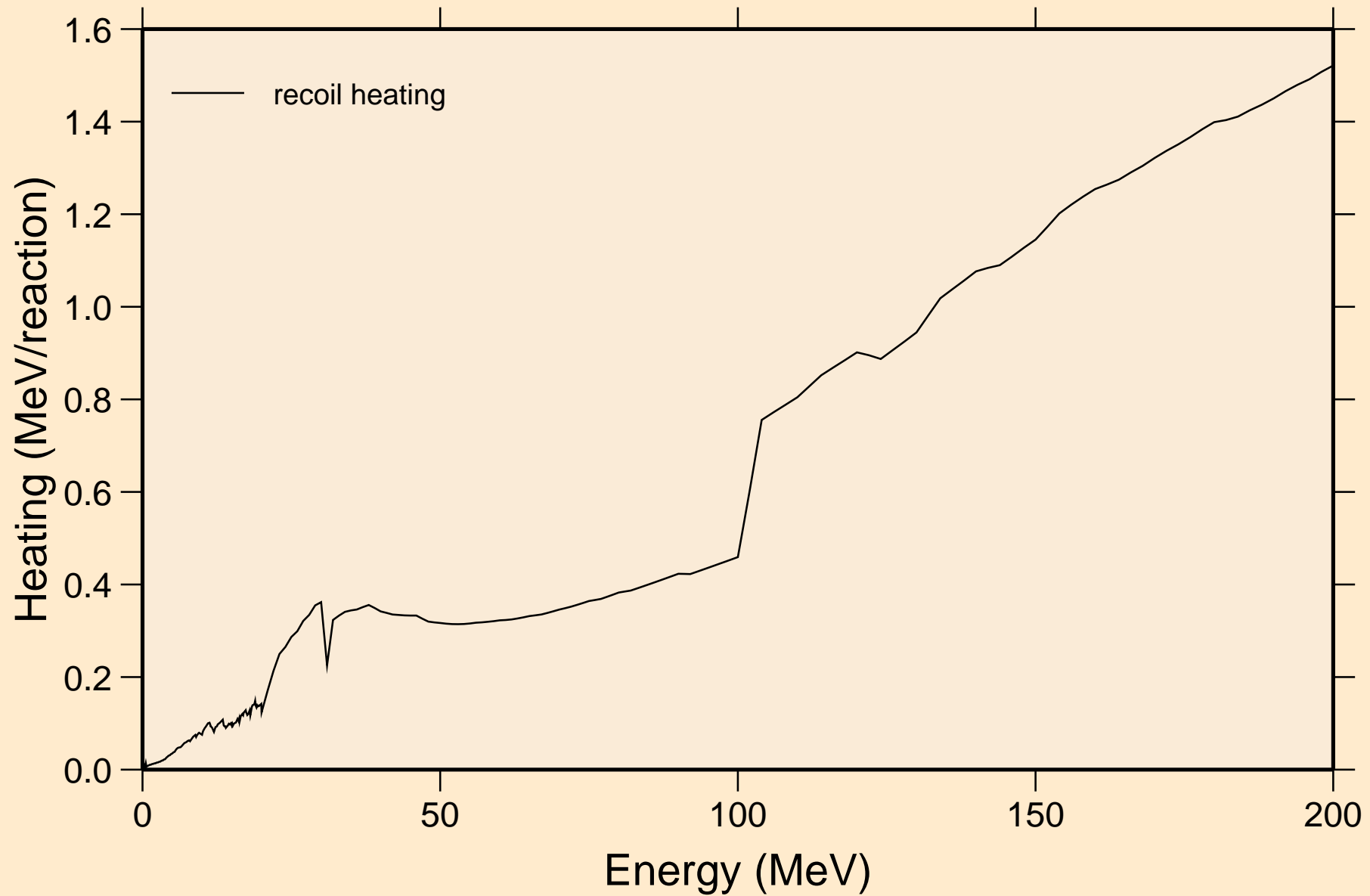


# PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

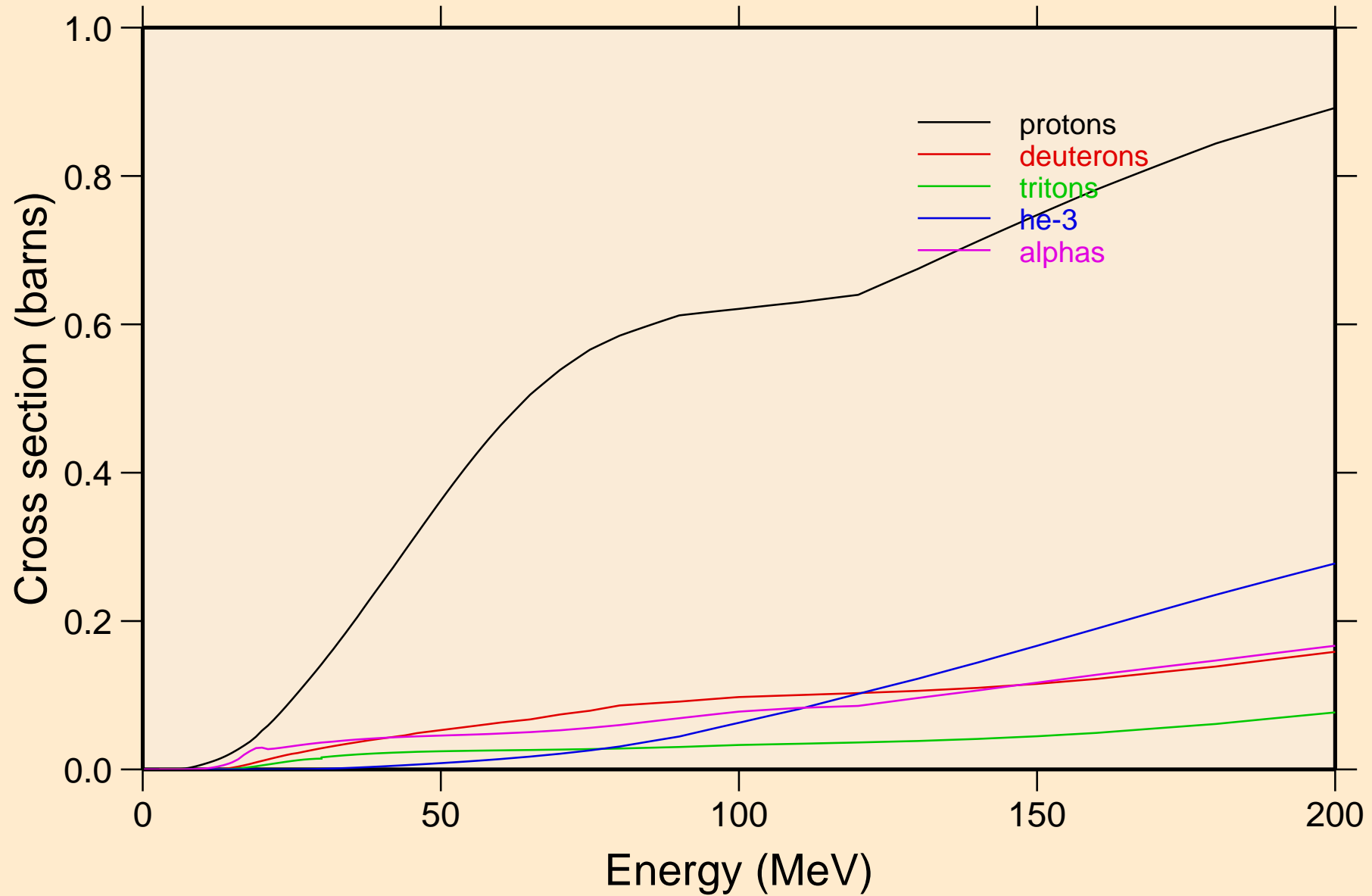
## Particle heating contributions



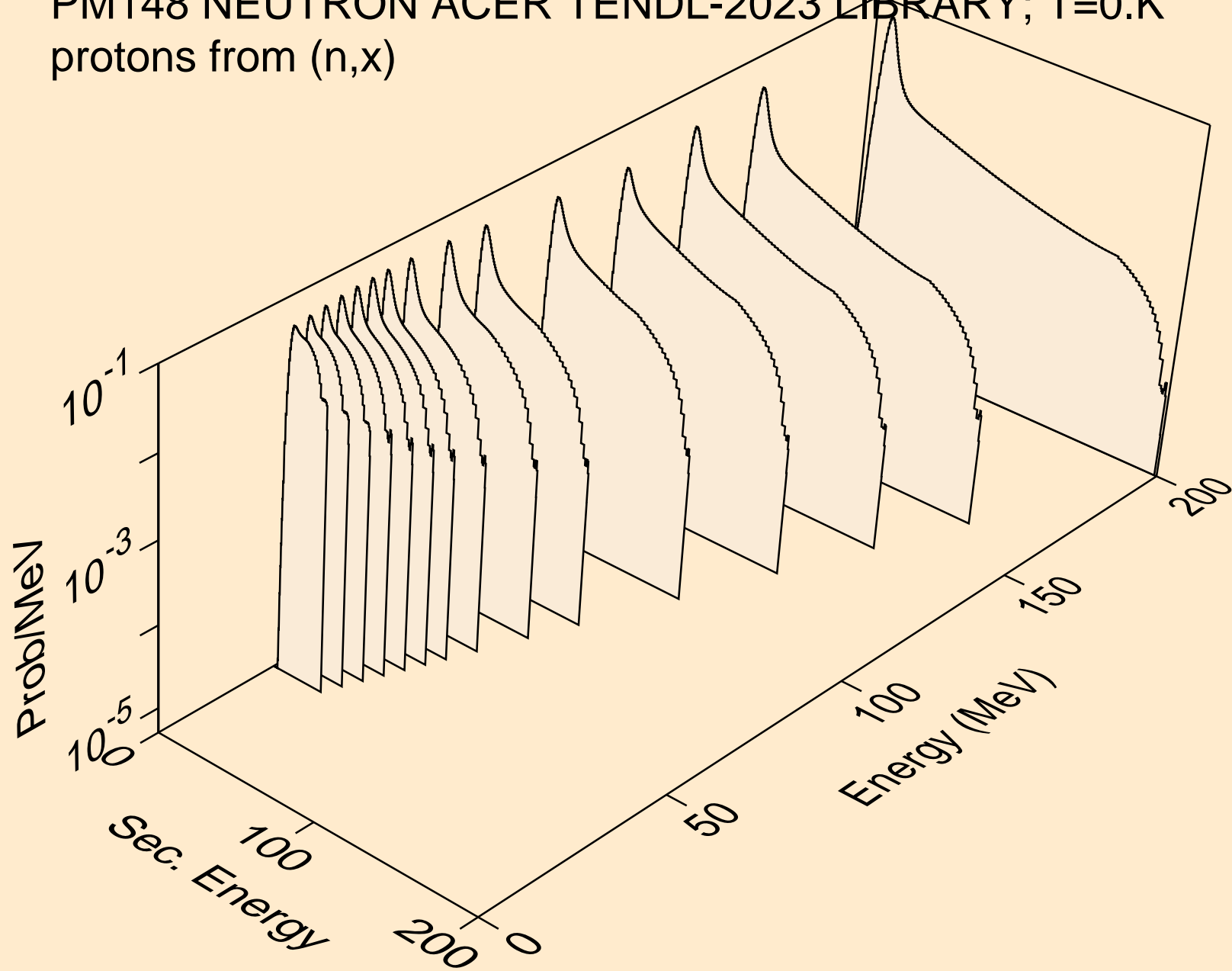
PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating



PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Particle production cross sections

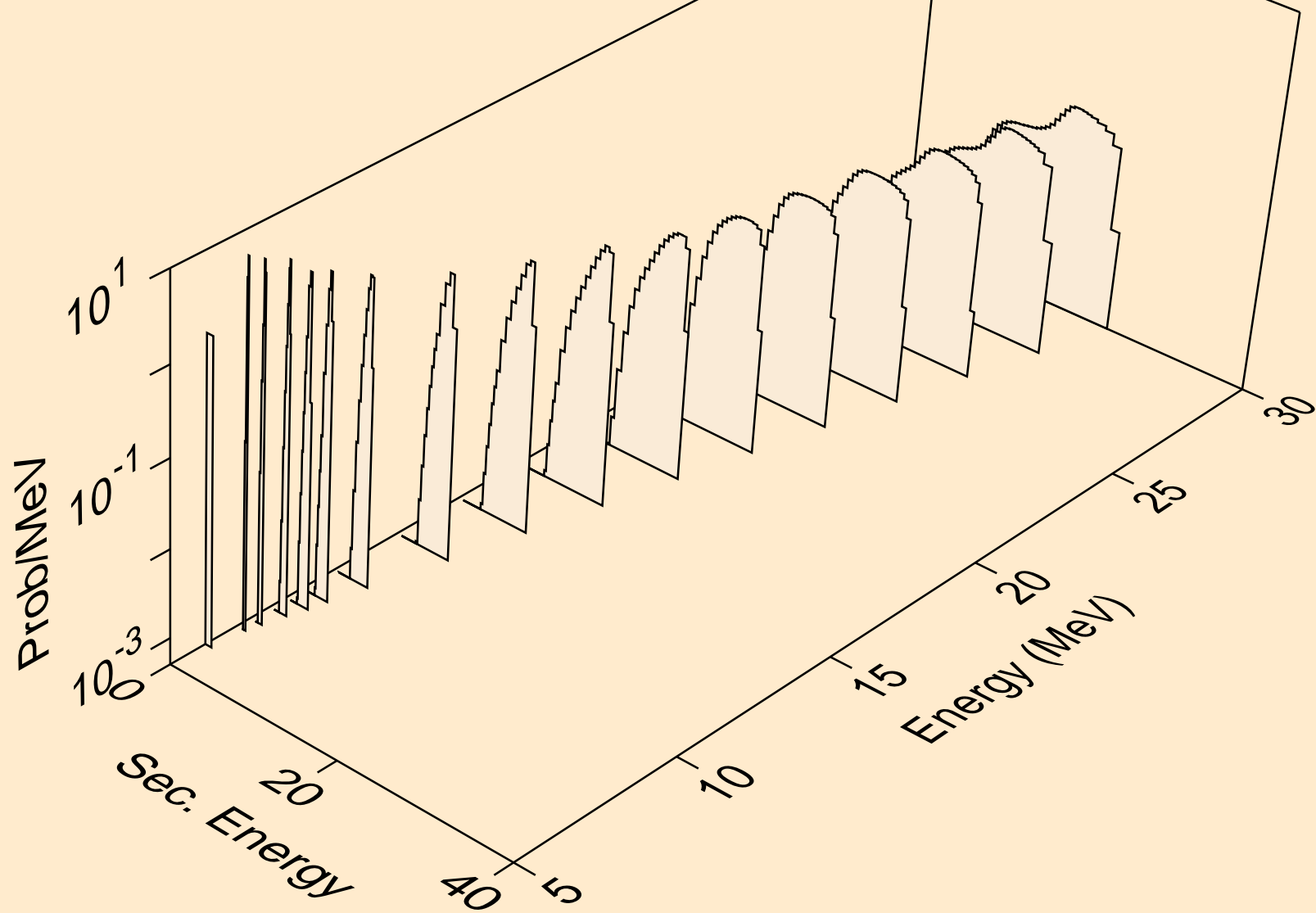


PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,x)

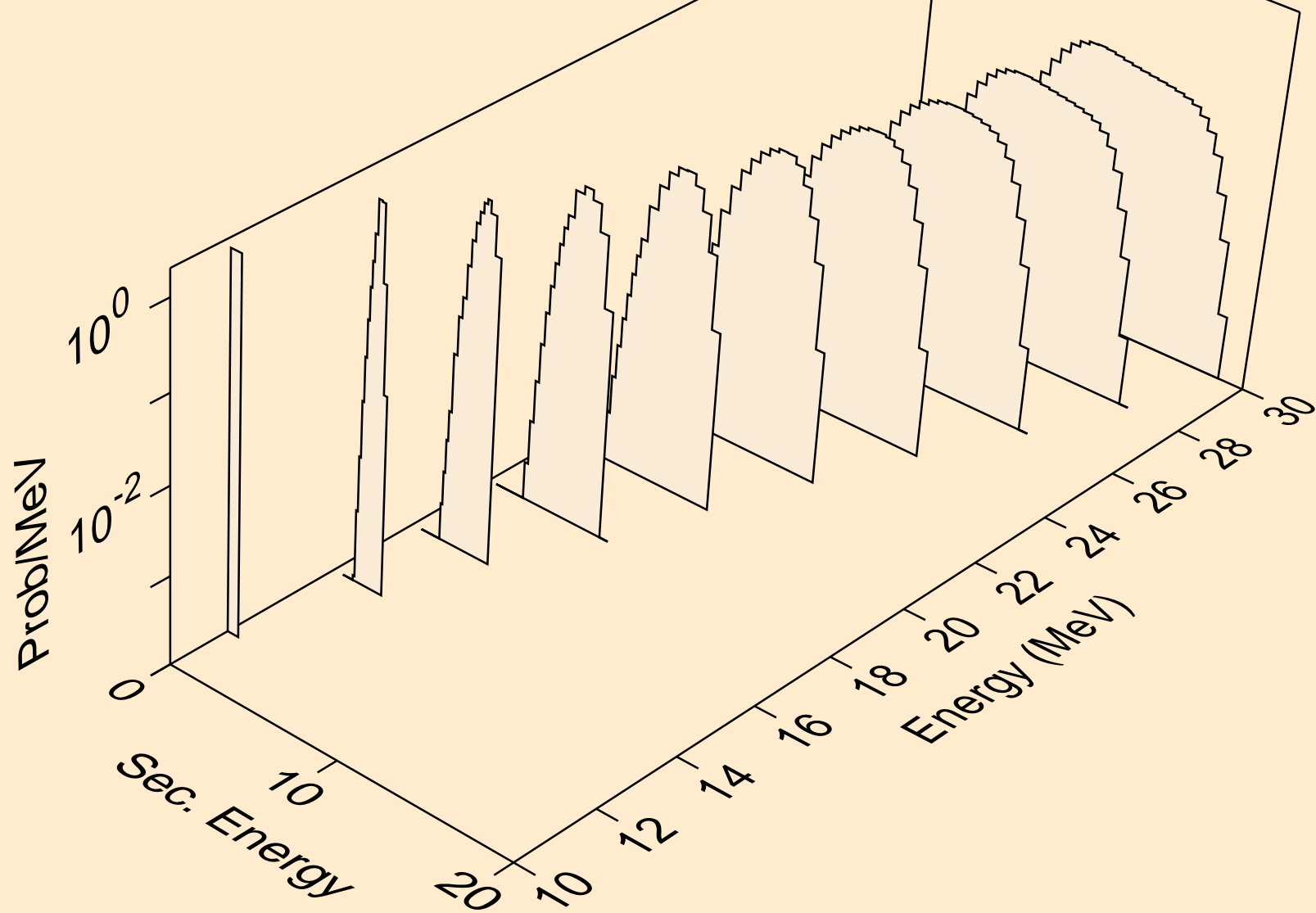




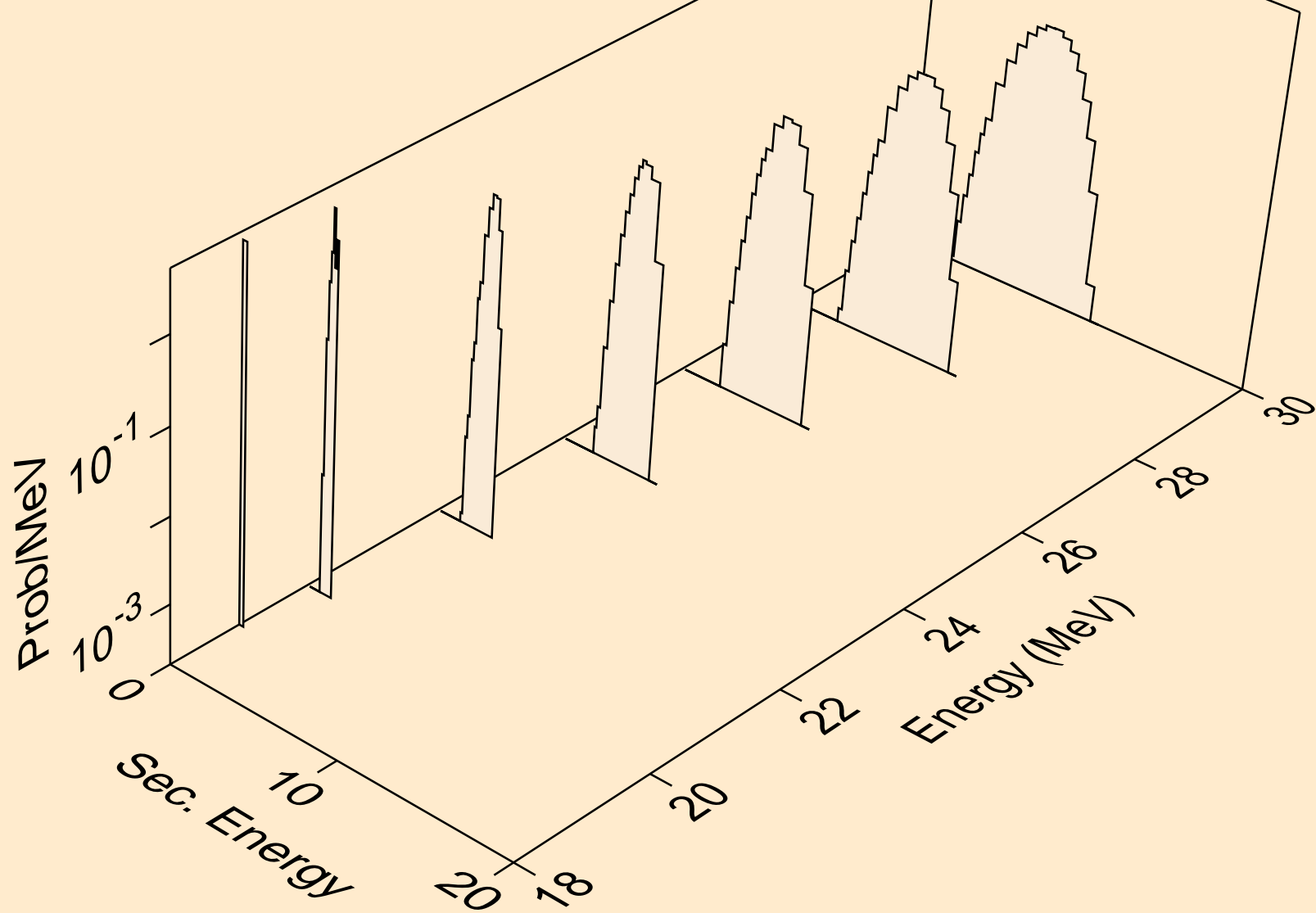
PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n\*)p



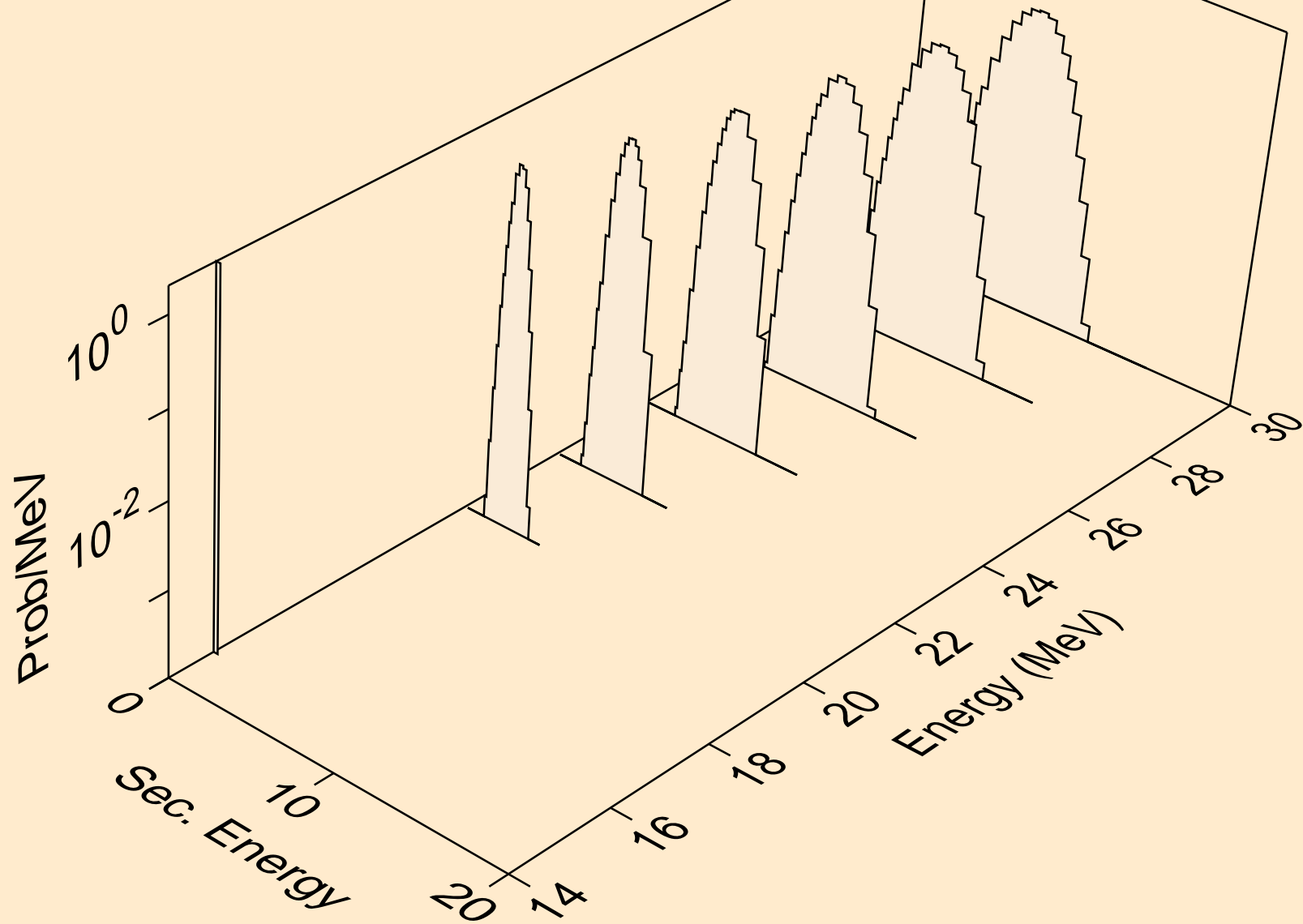
PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,2np)



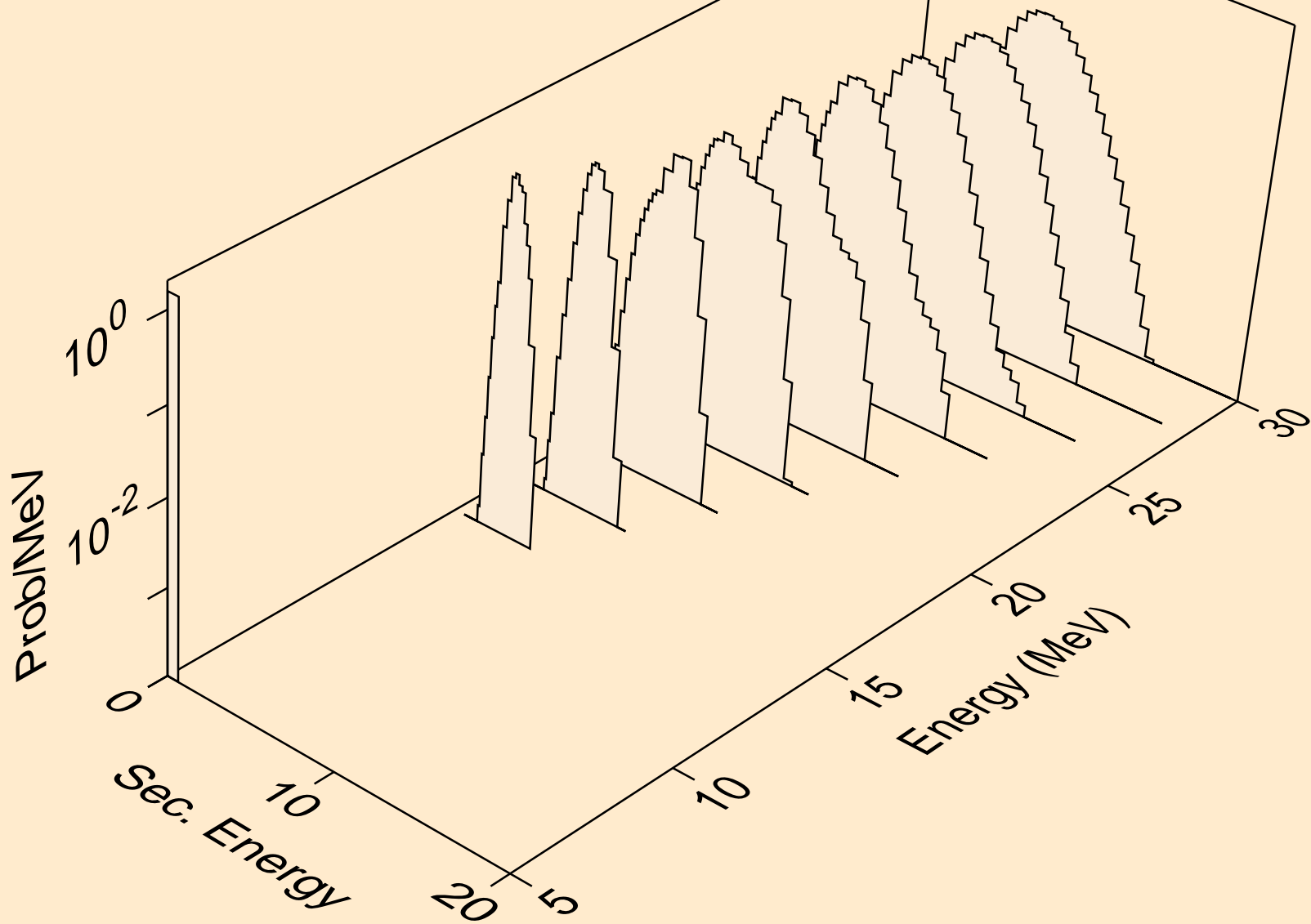
PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,3np)



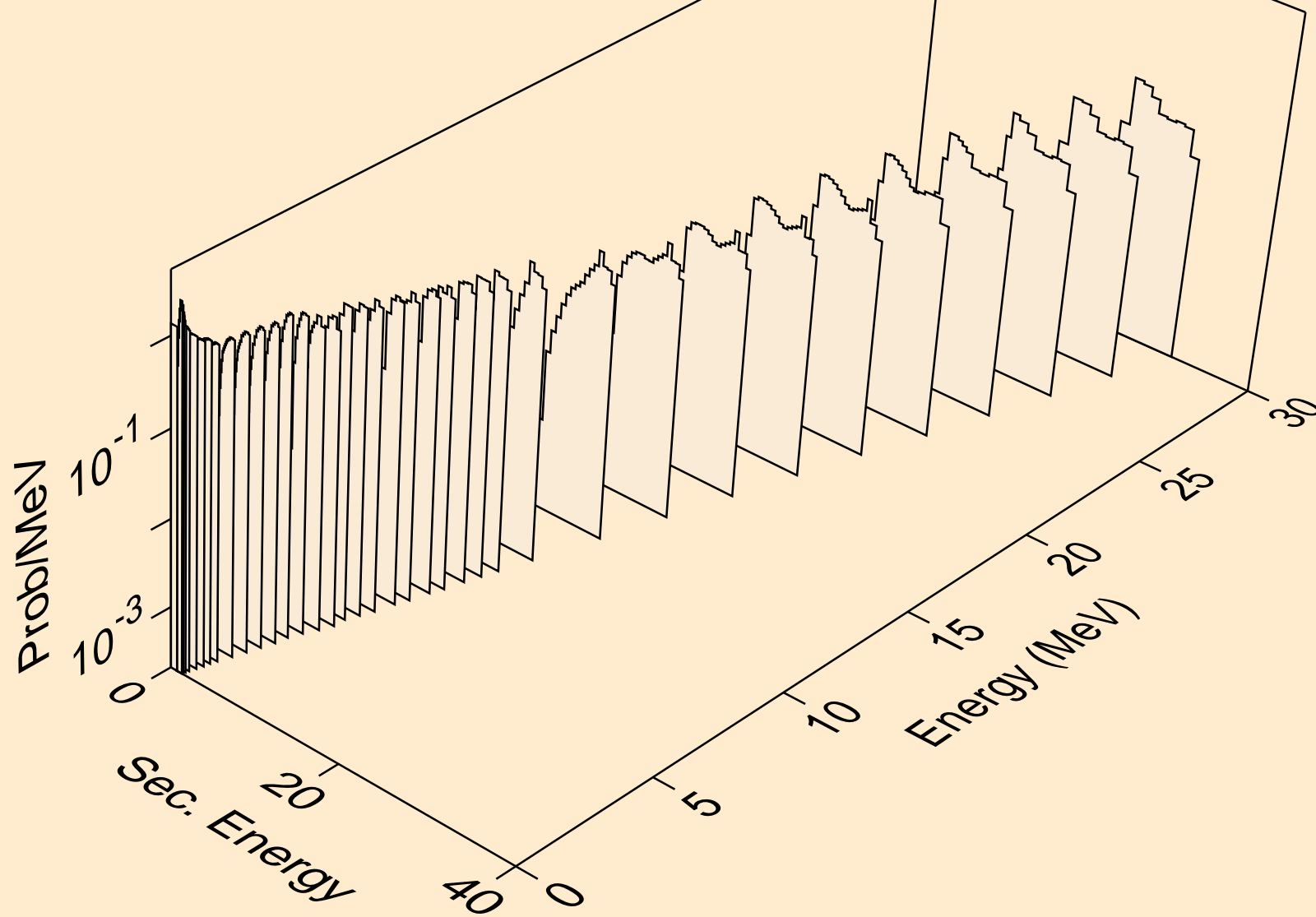
PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n2p)



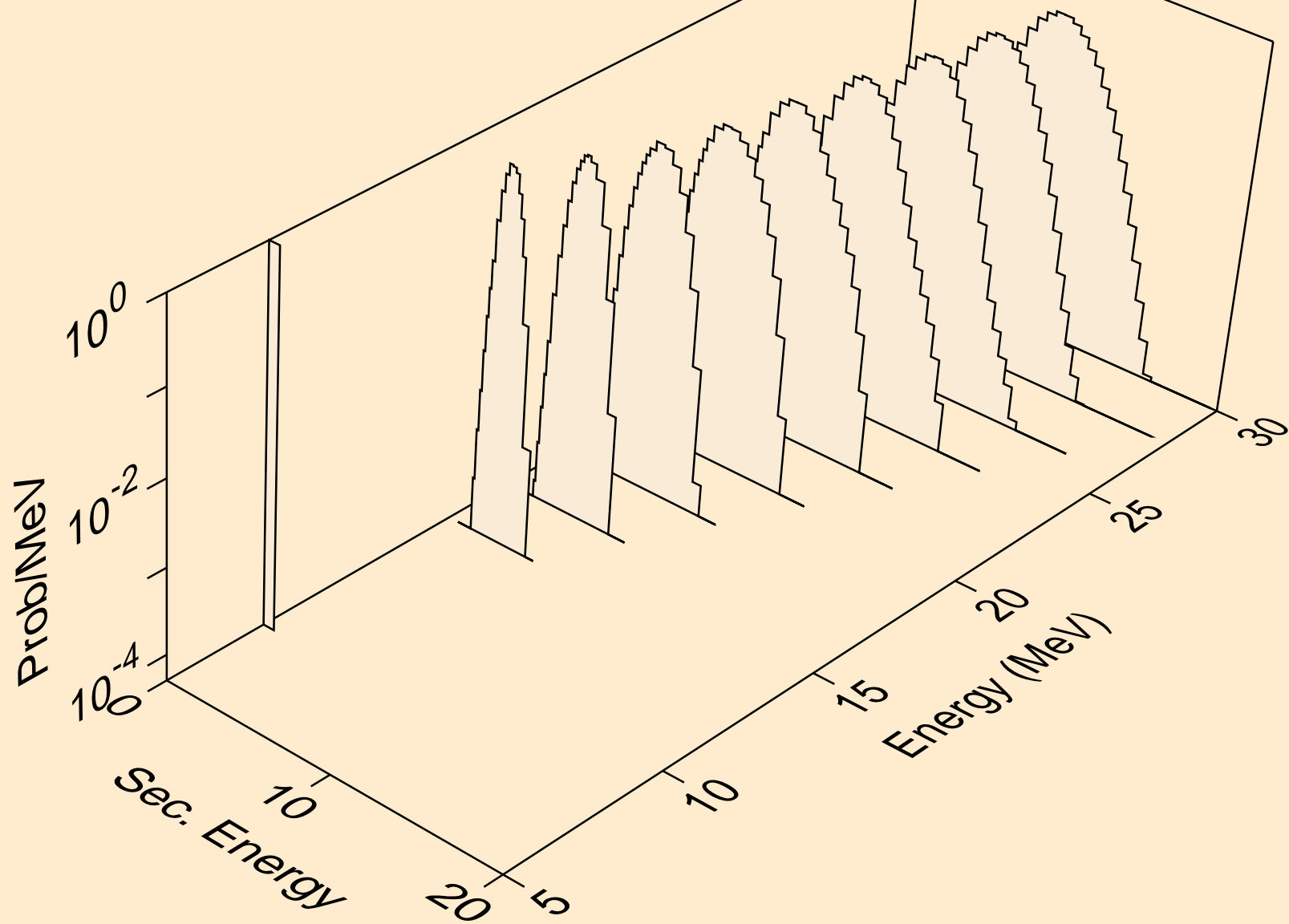
PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,npa)



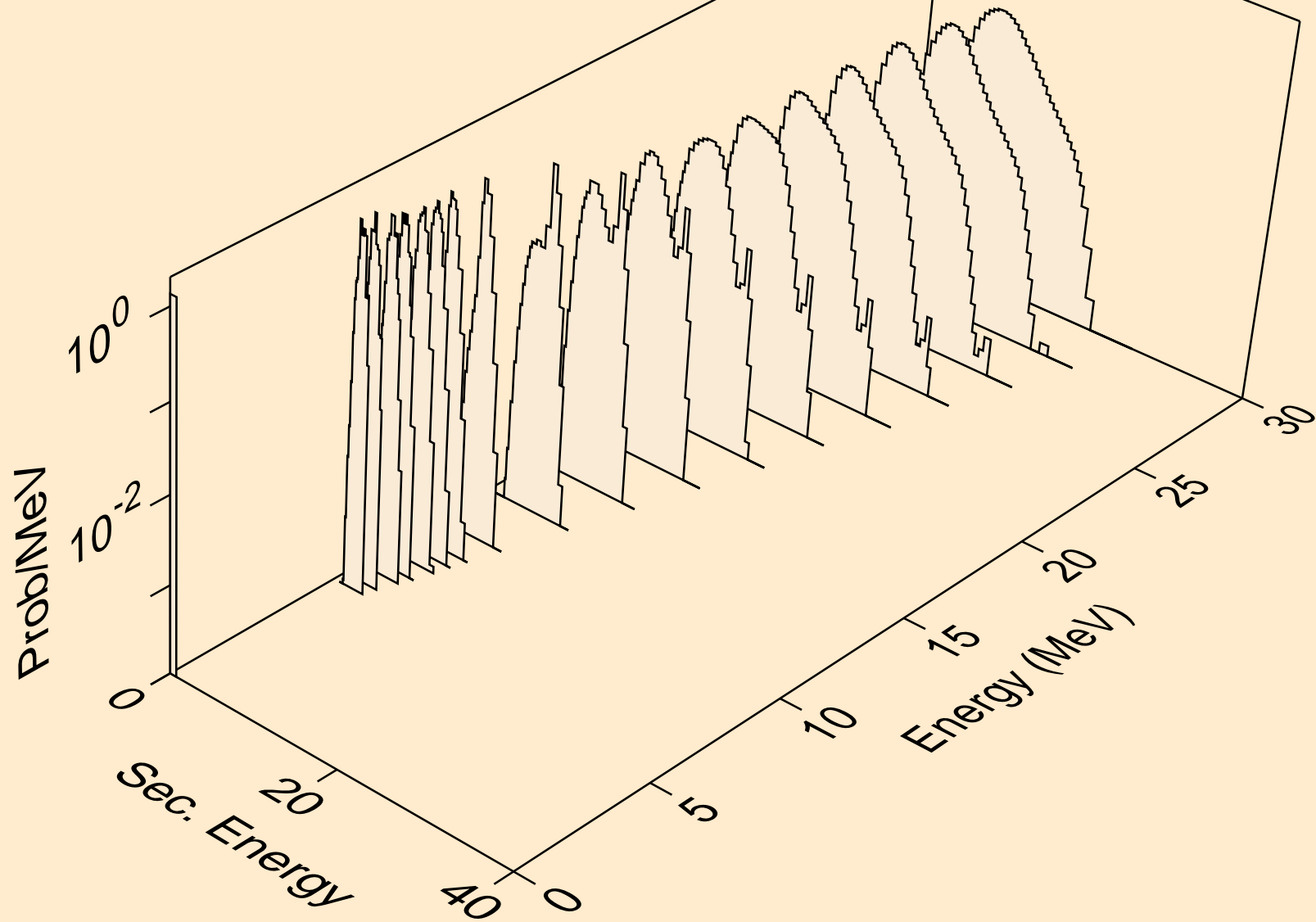
PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,p)



PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,2p)

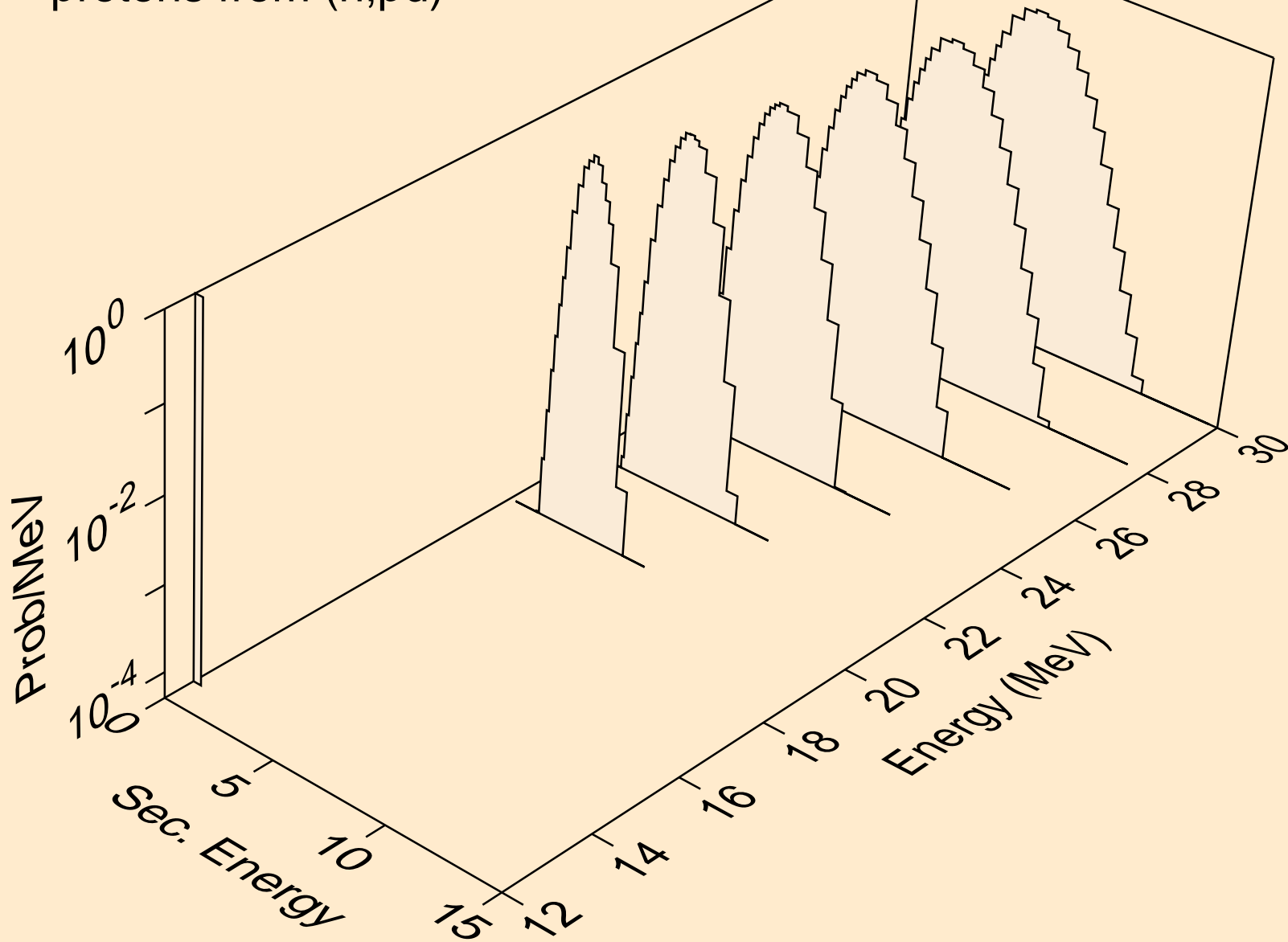


PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,p)

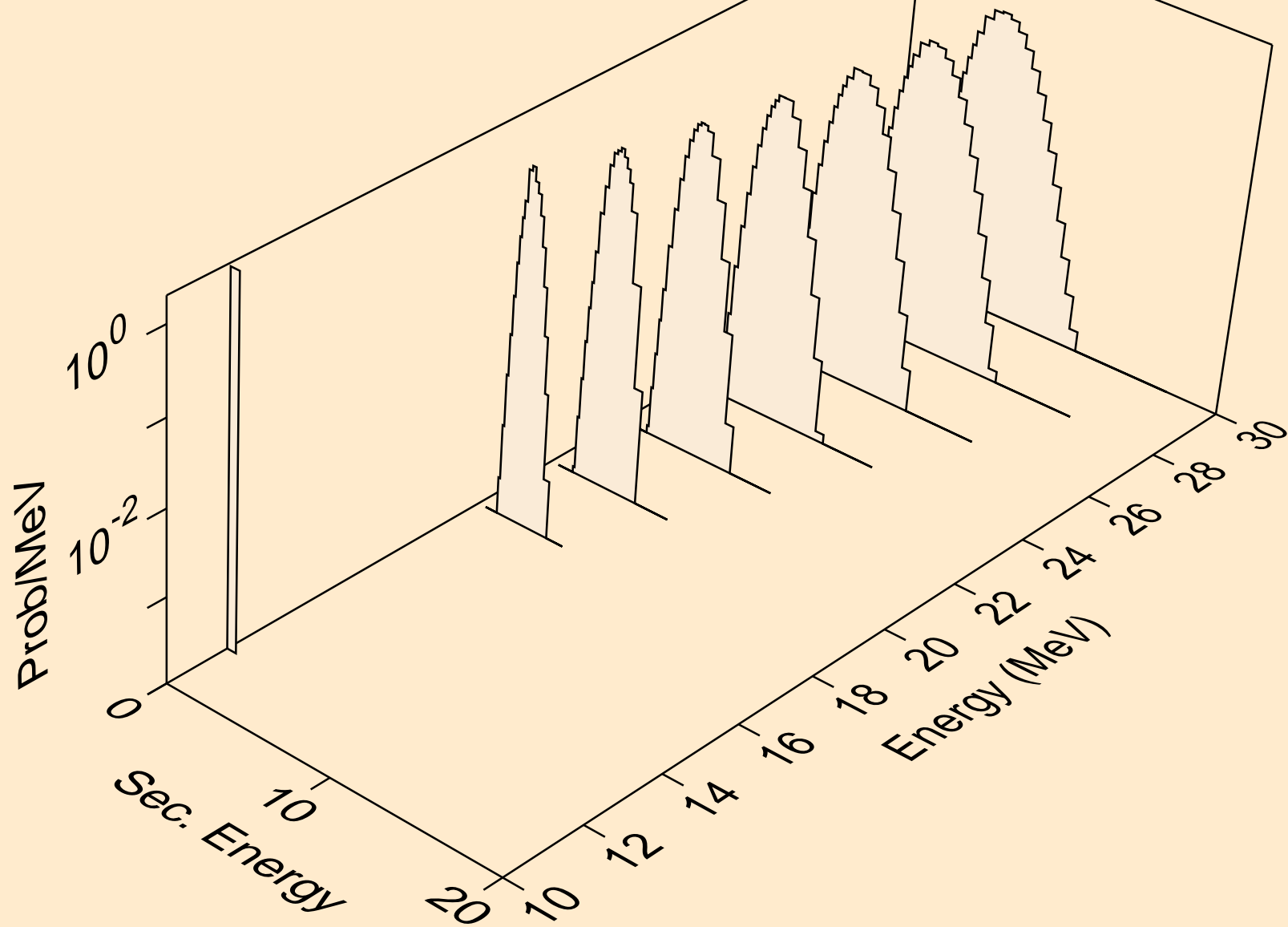




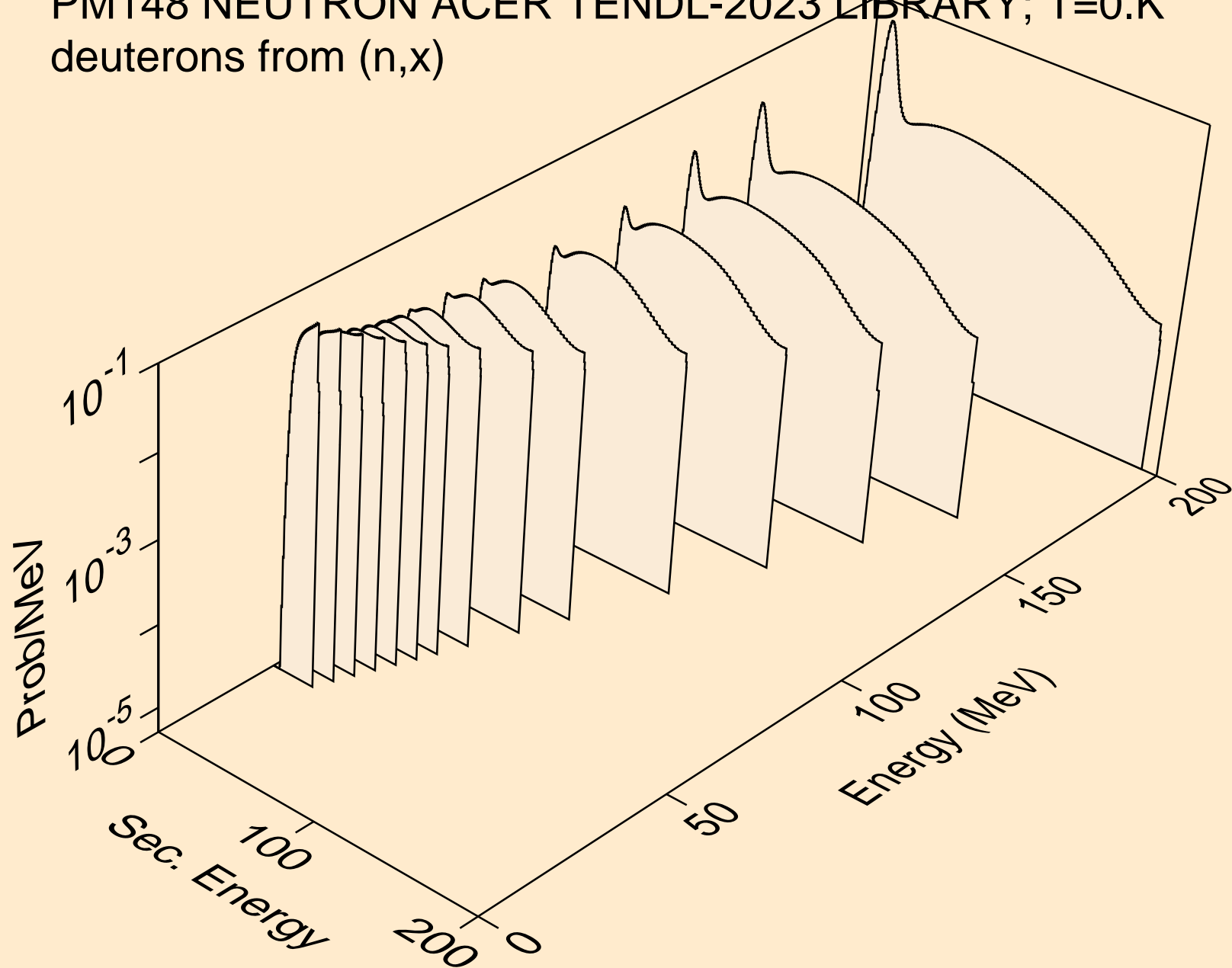
PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,pd)



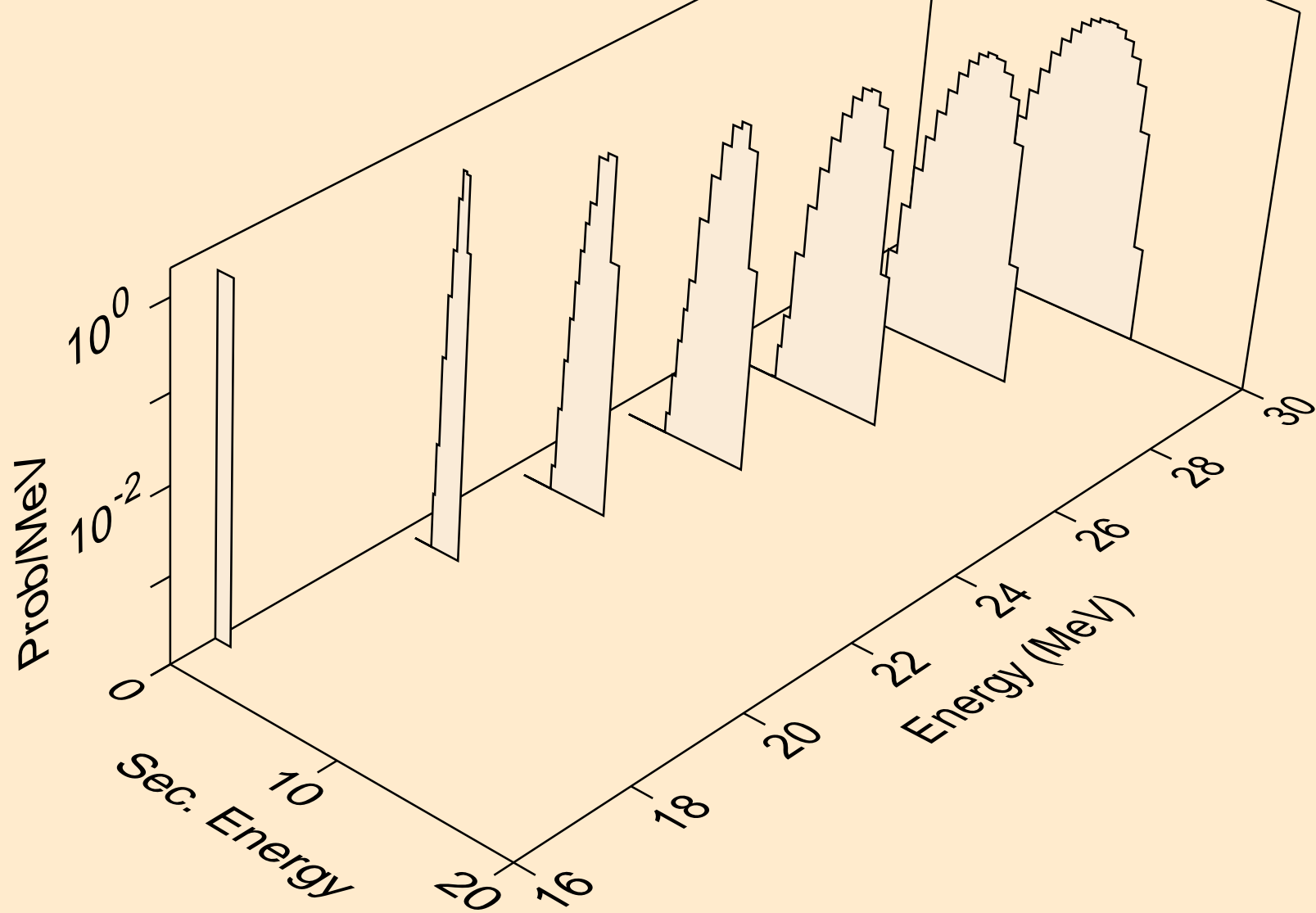
PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,pt)



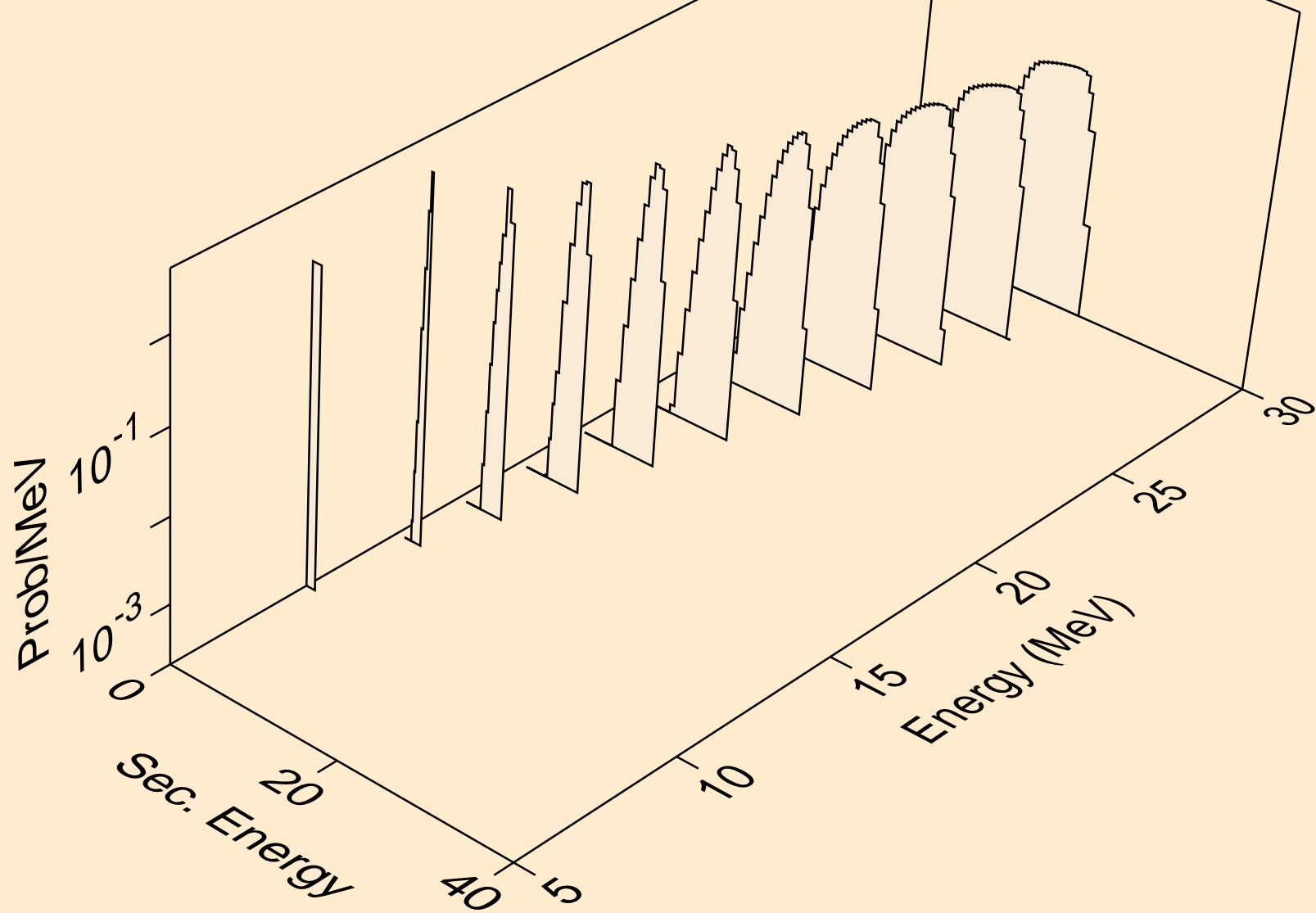
PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,x)



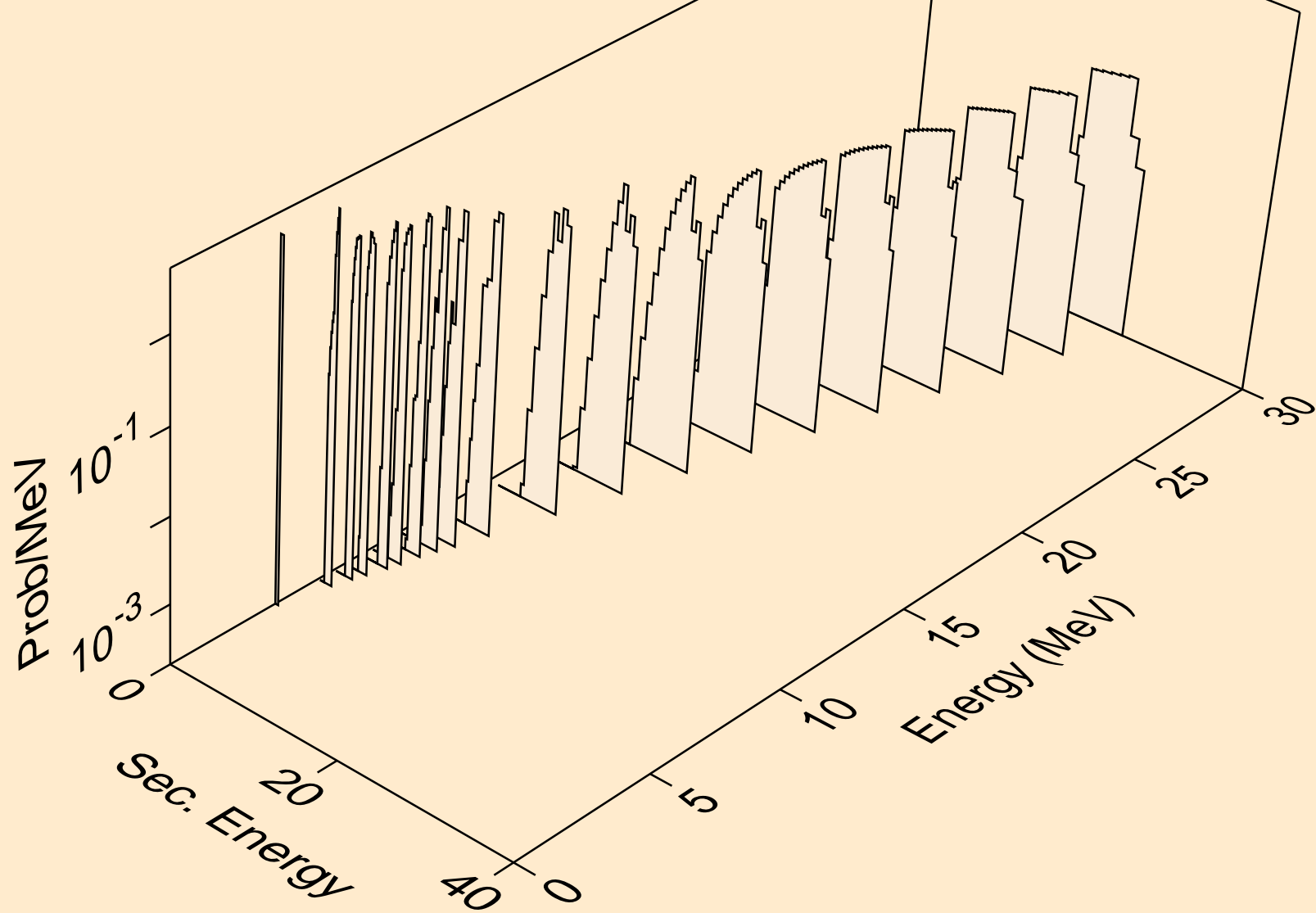
PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,2nd)



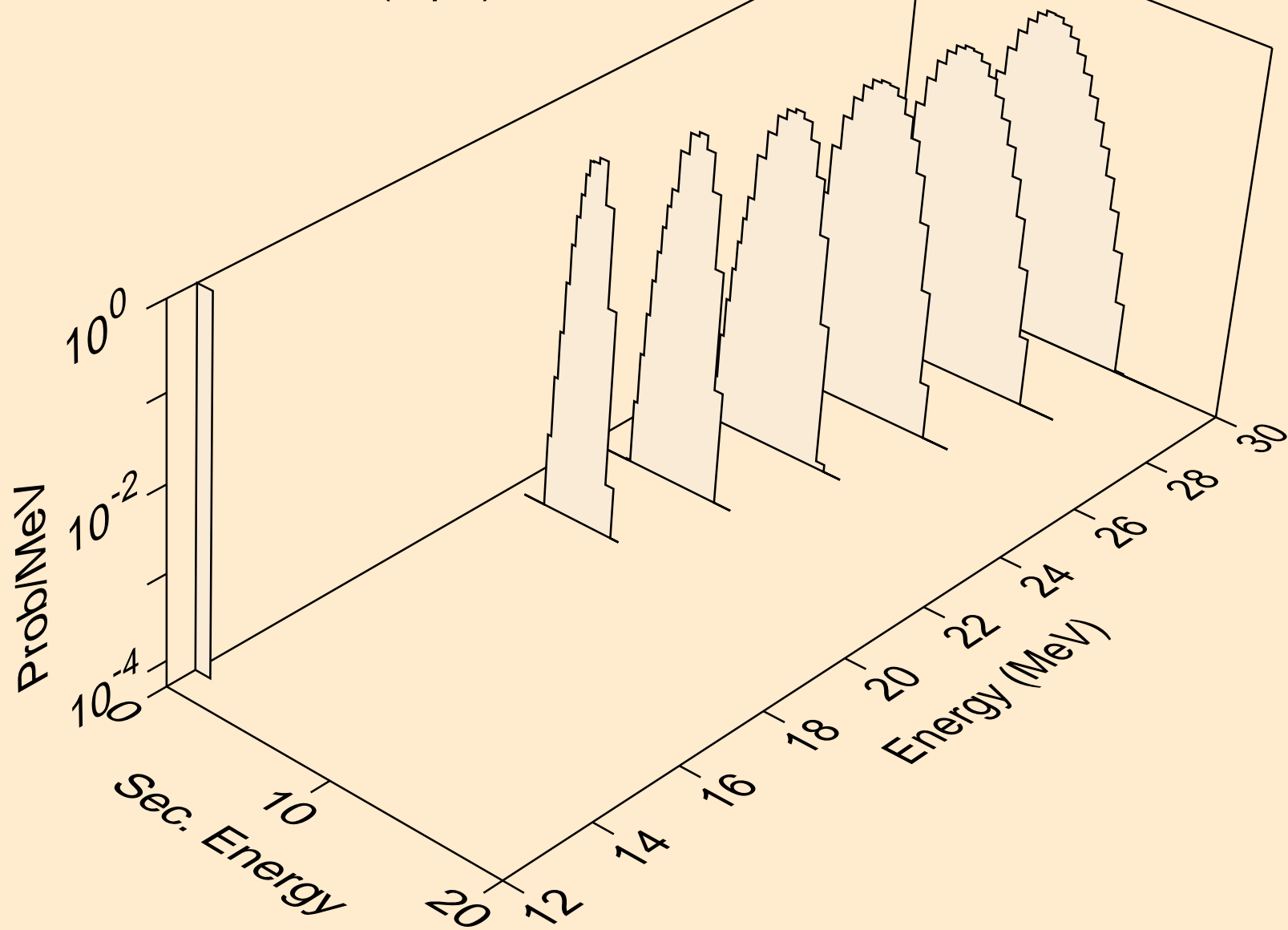
PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,n\*)d



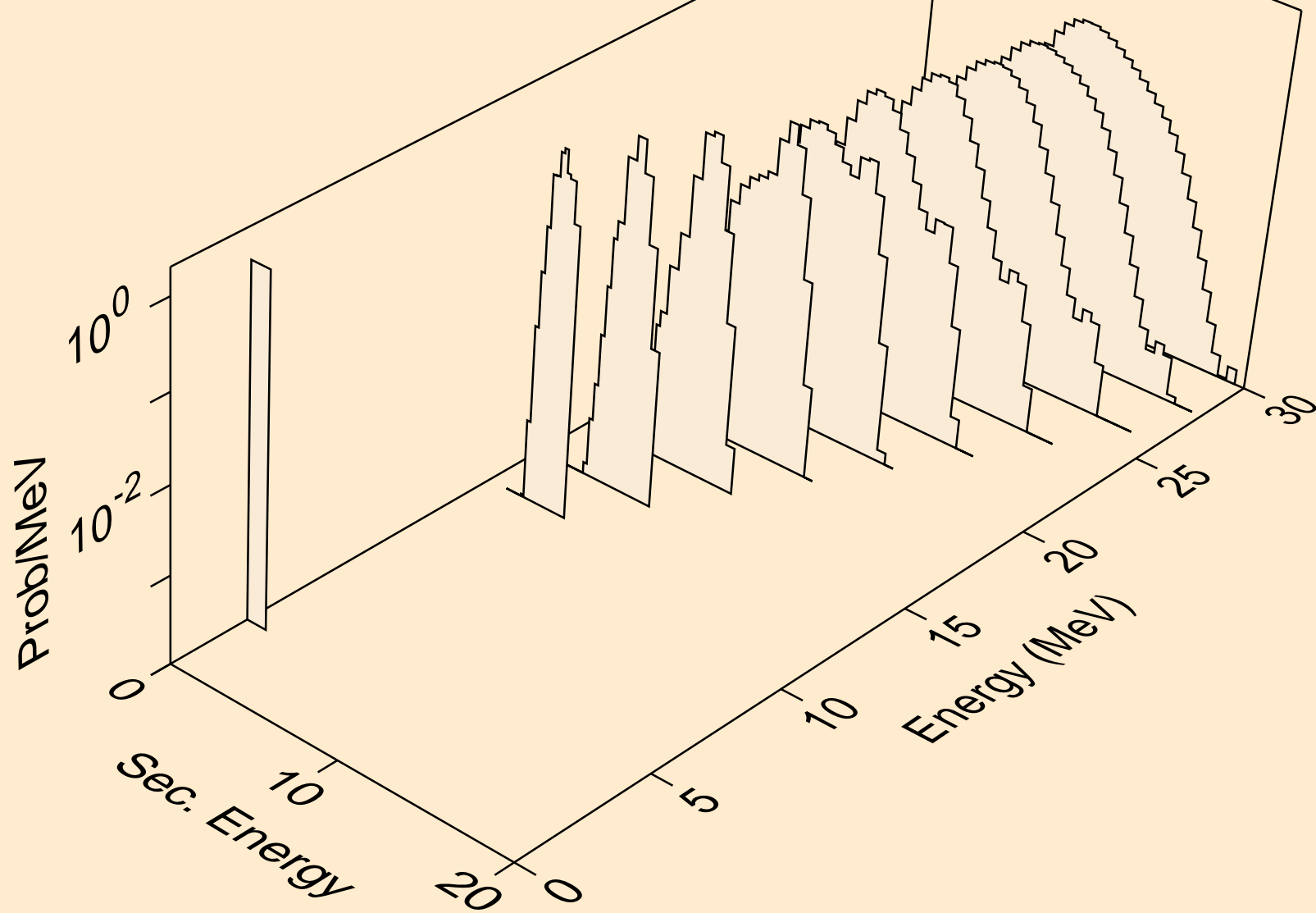
PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,d)



PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,pd)

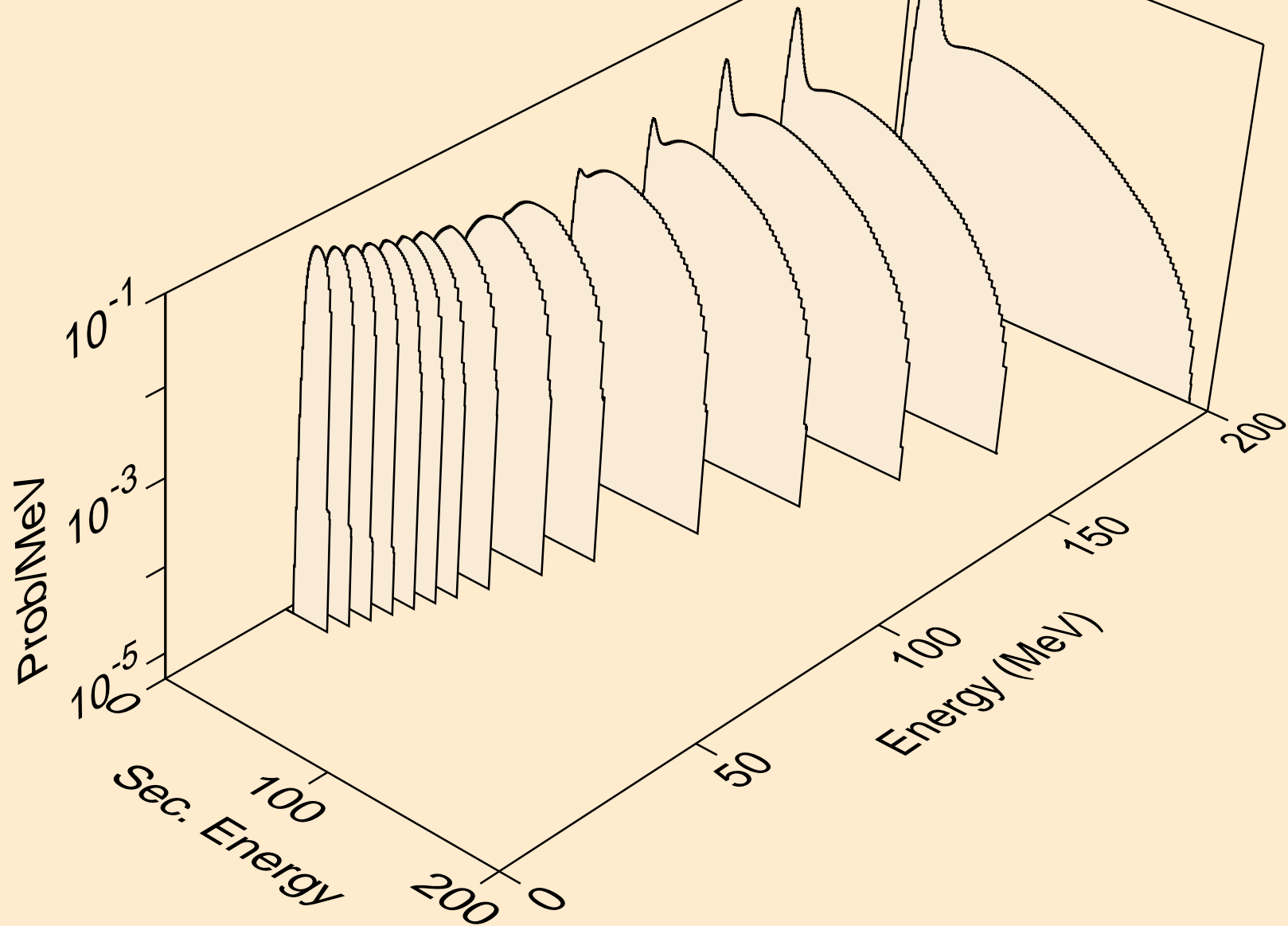


PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,da)

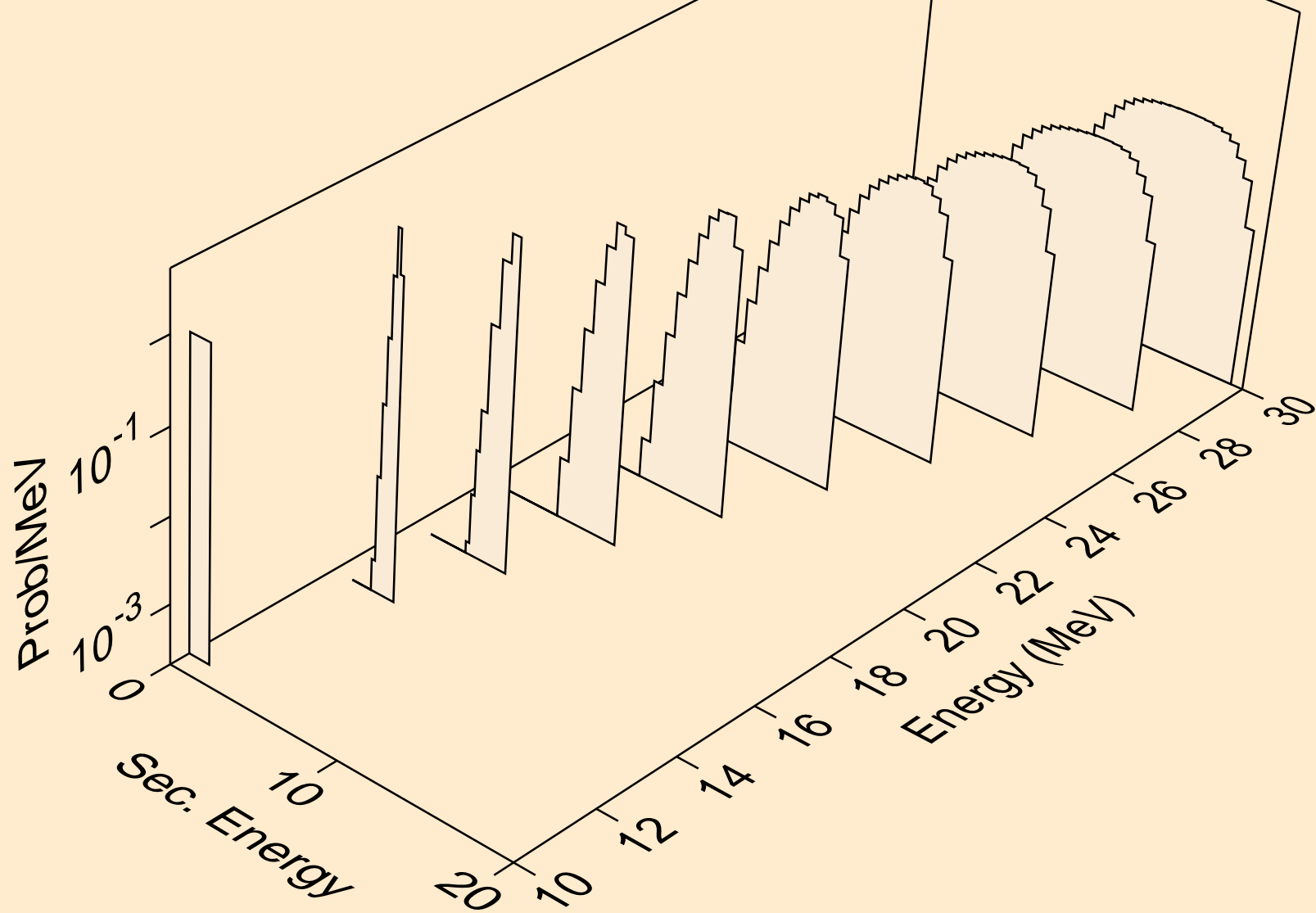




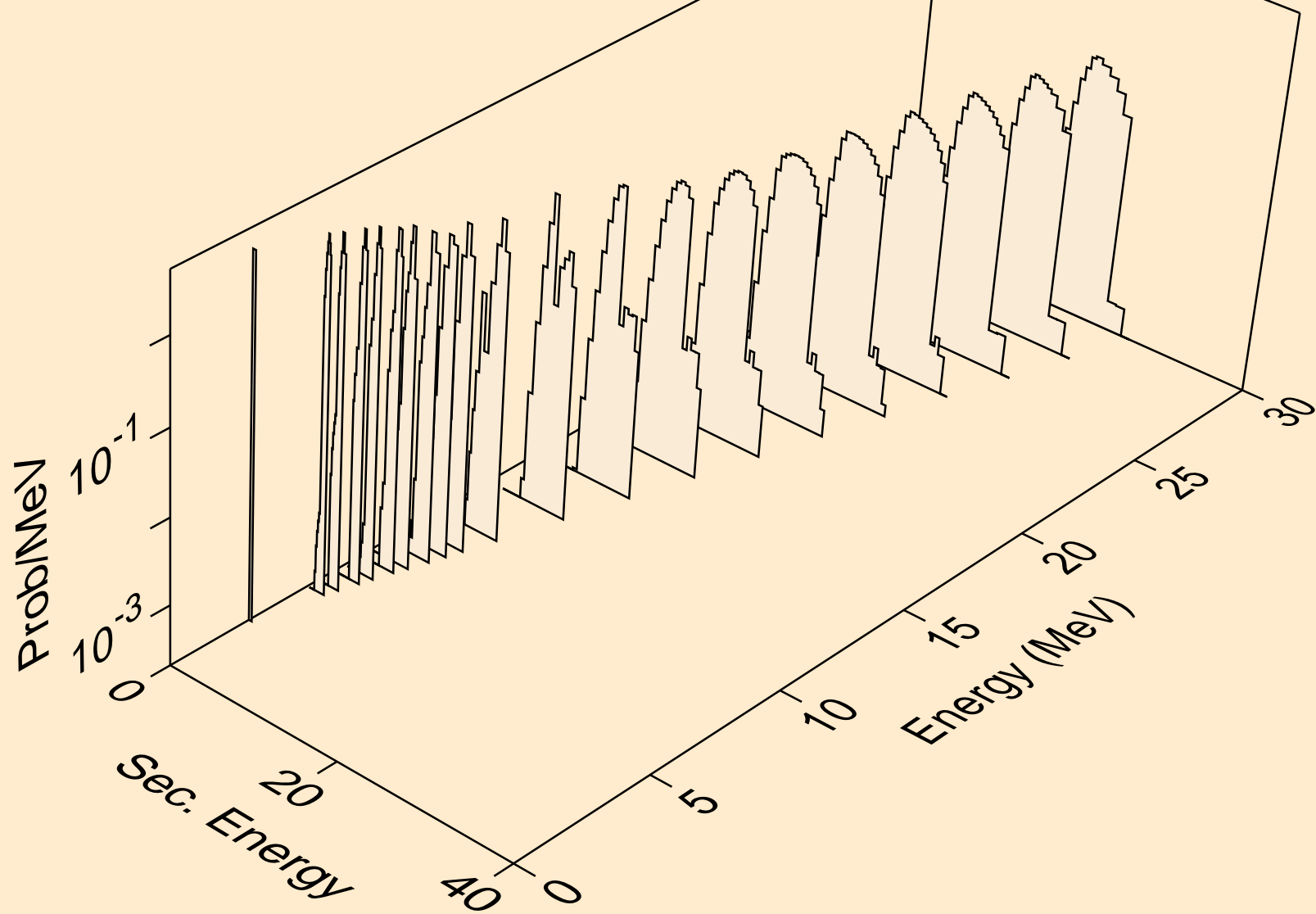
PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,x)



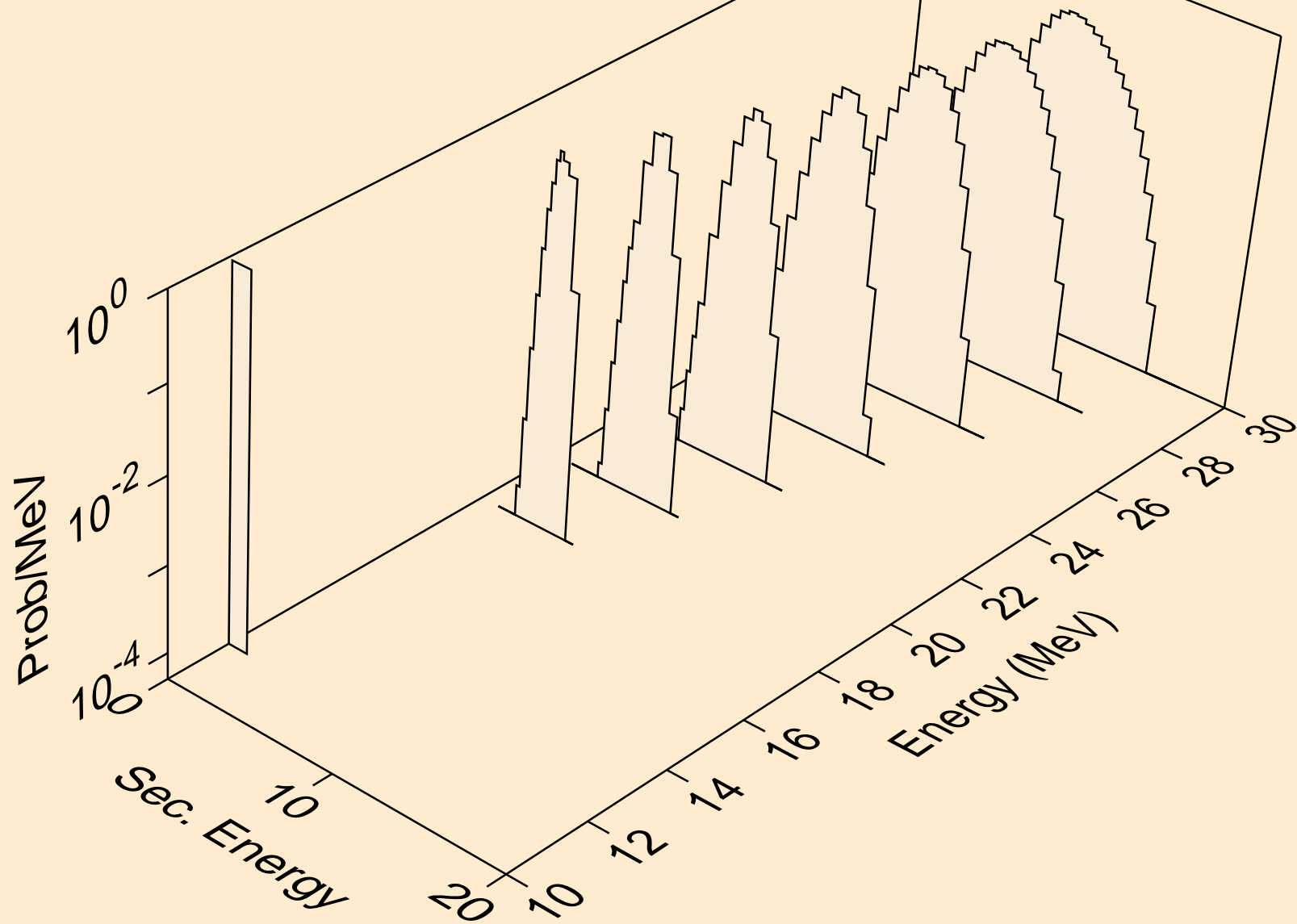
PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,n\*)t



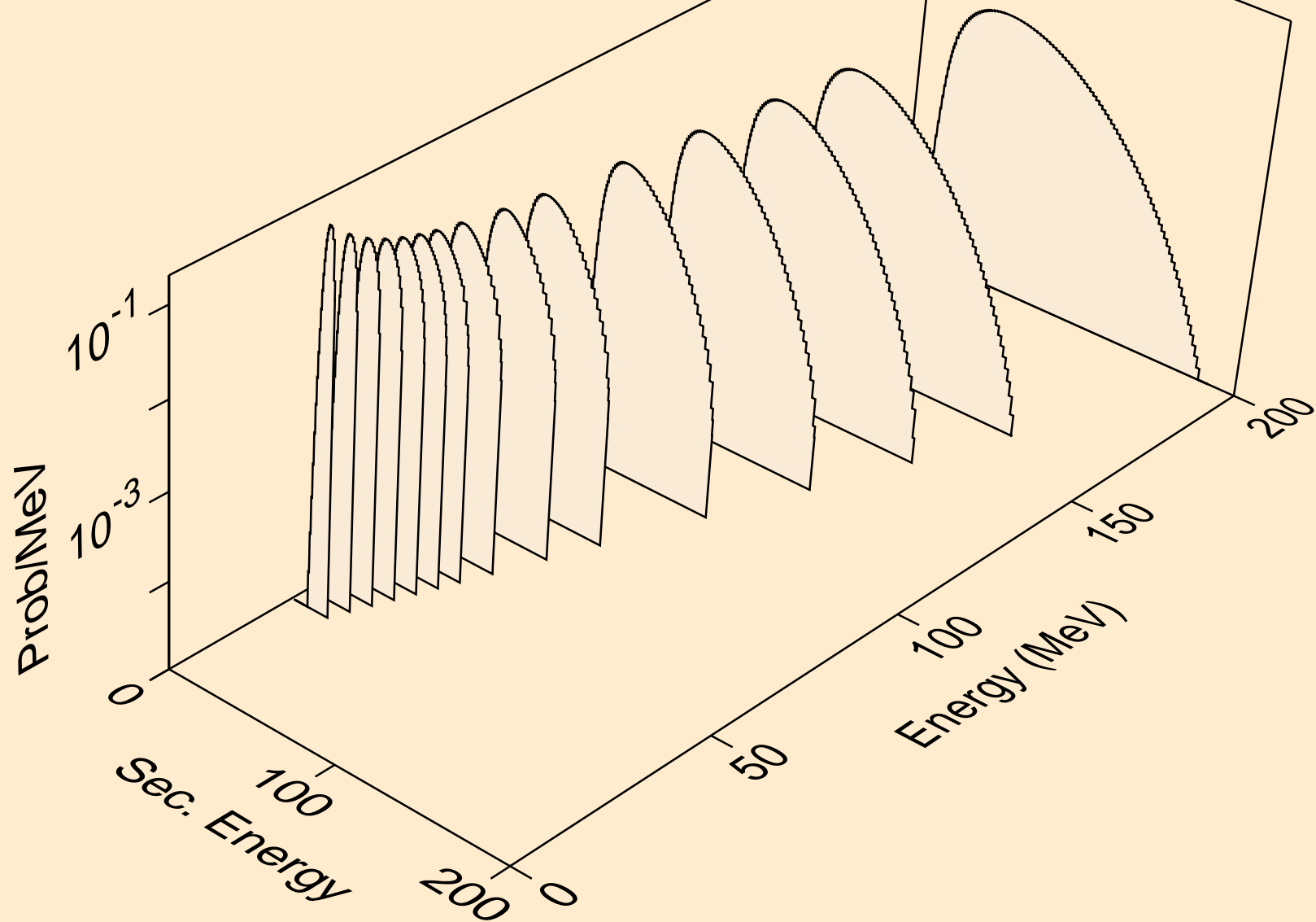
PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,t)



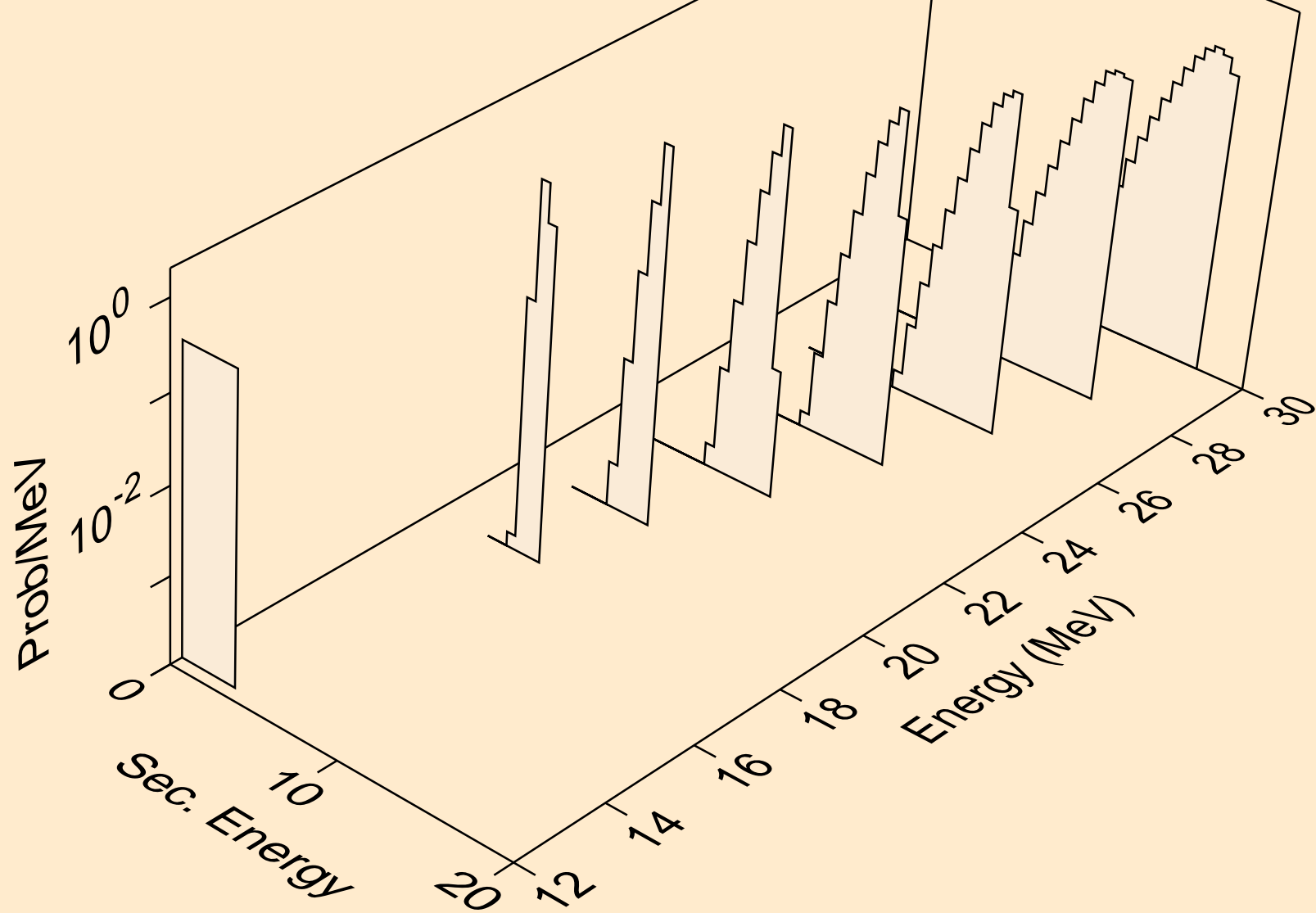
PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,pt)



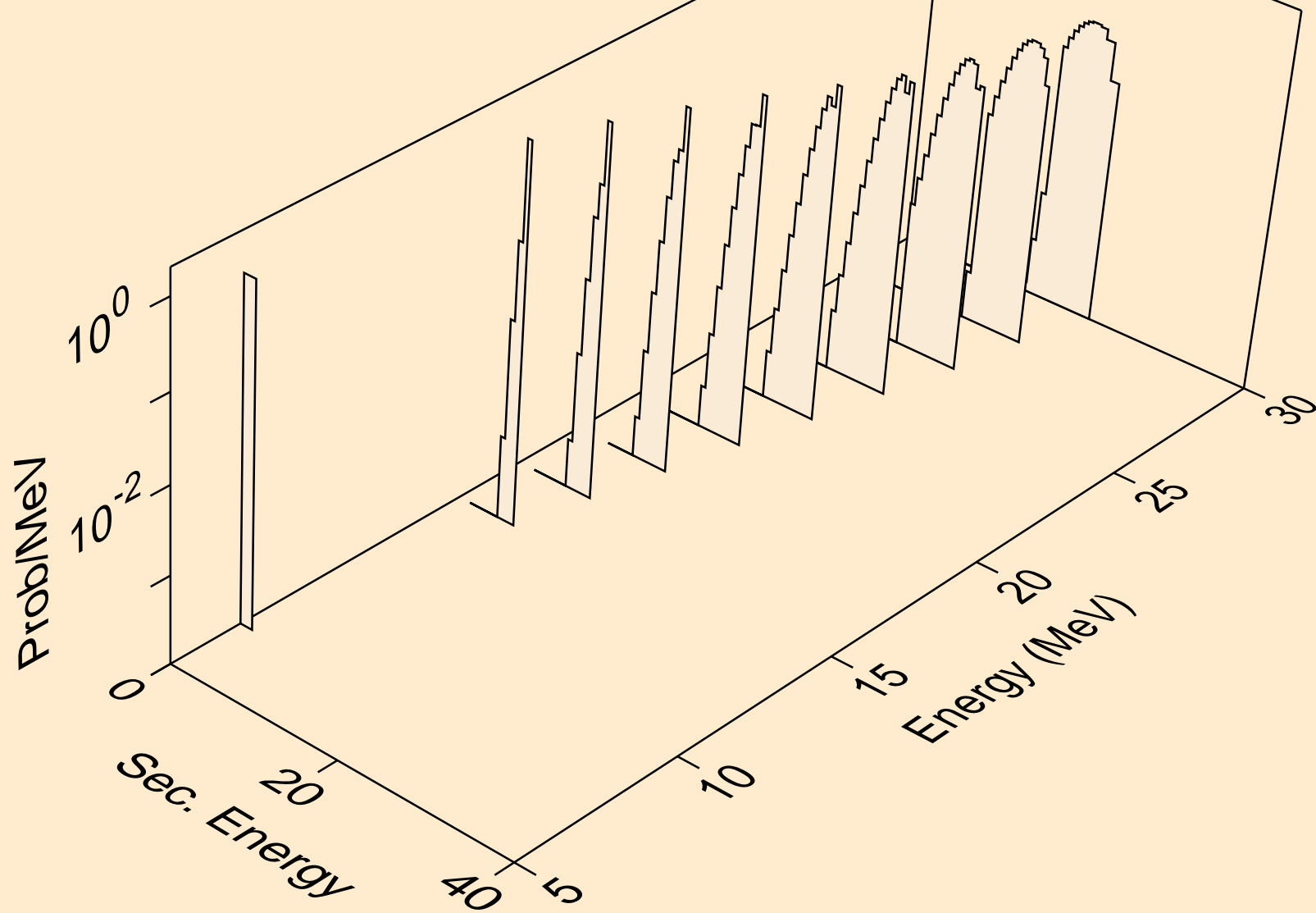
PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,x)



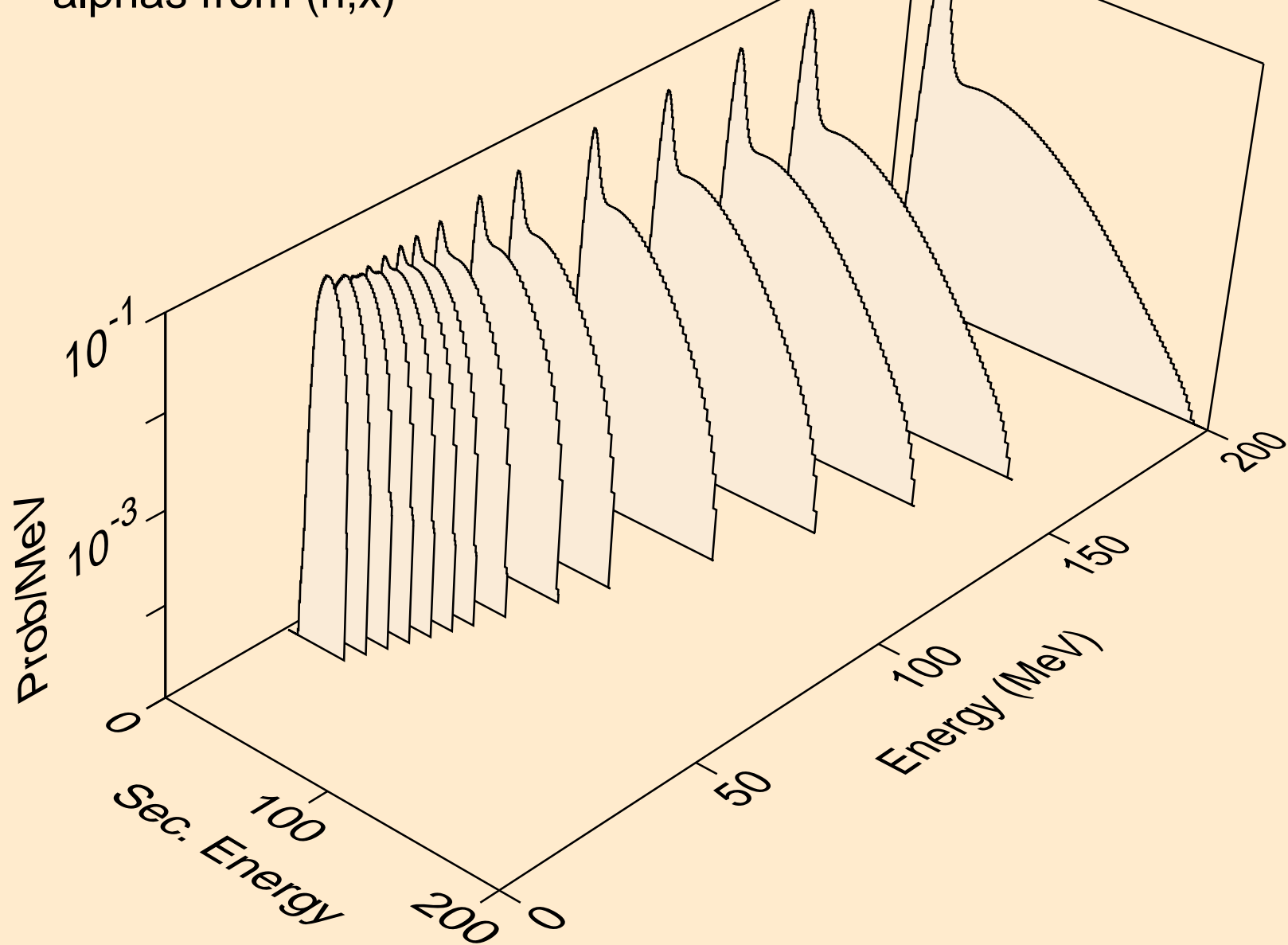
PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,n\*)he3



PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,he3)

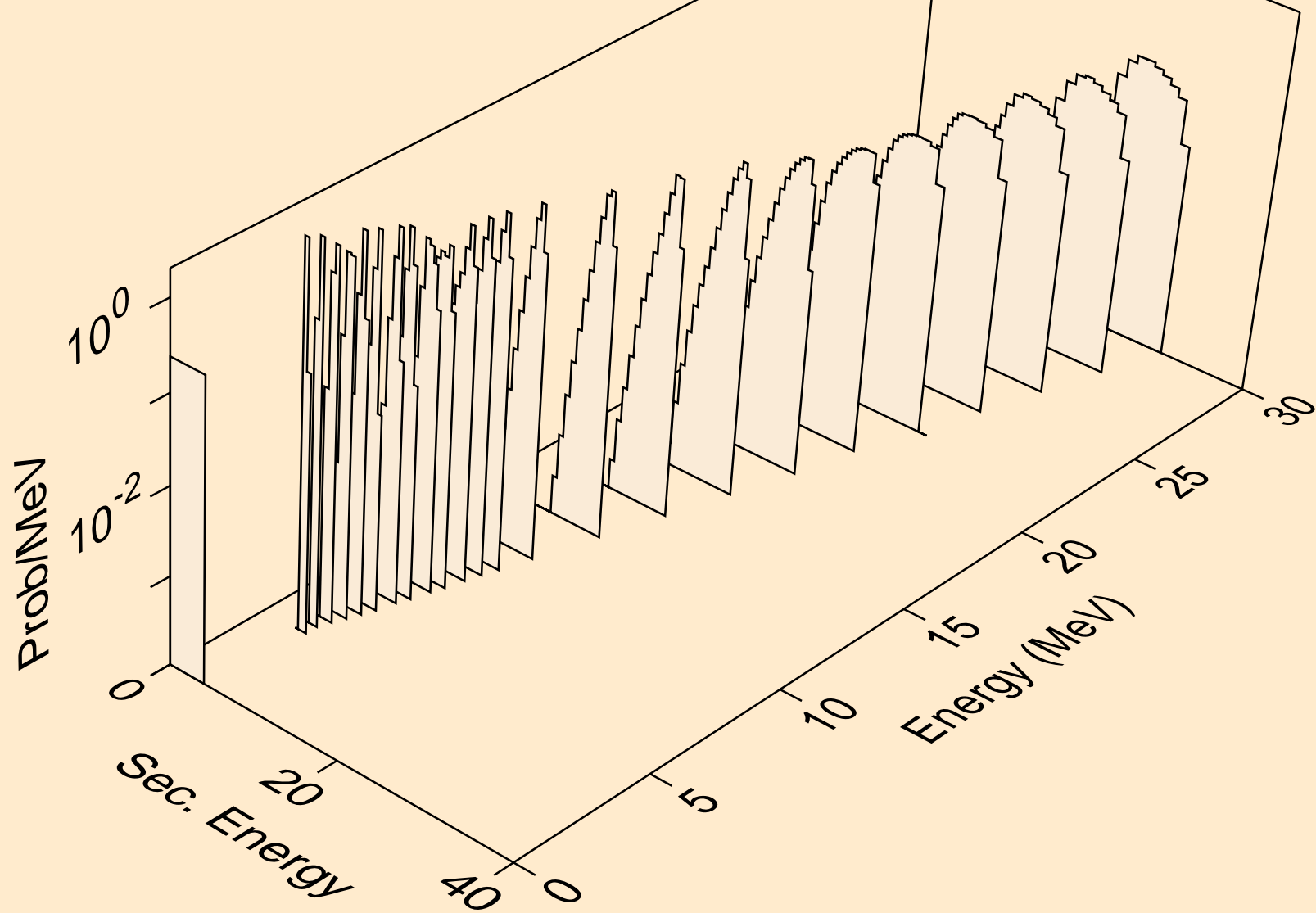


PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,x)

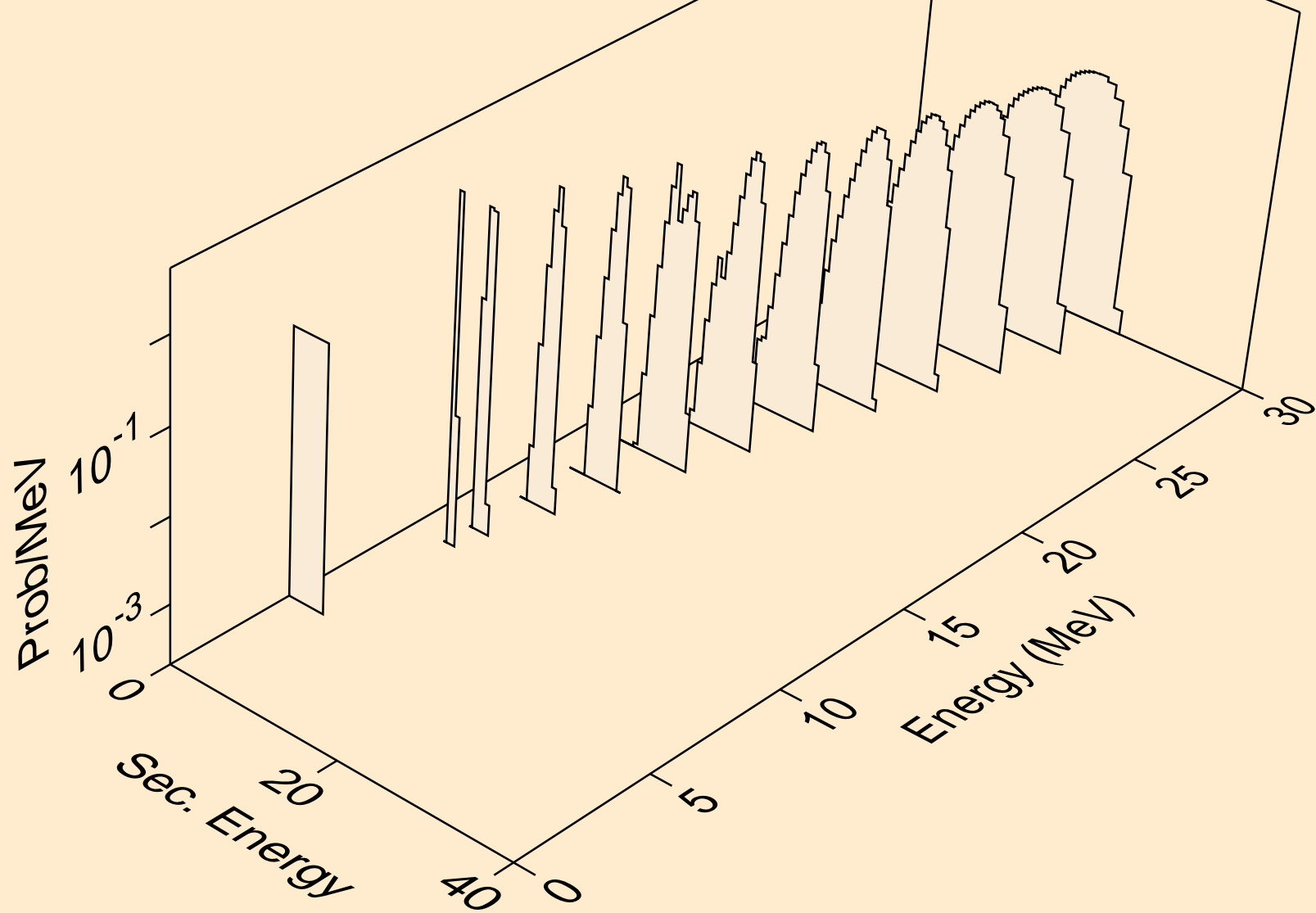




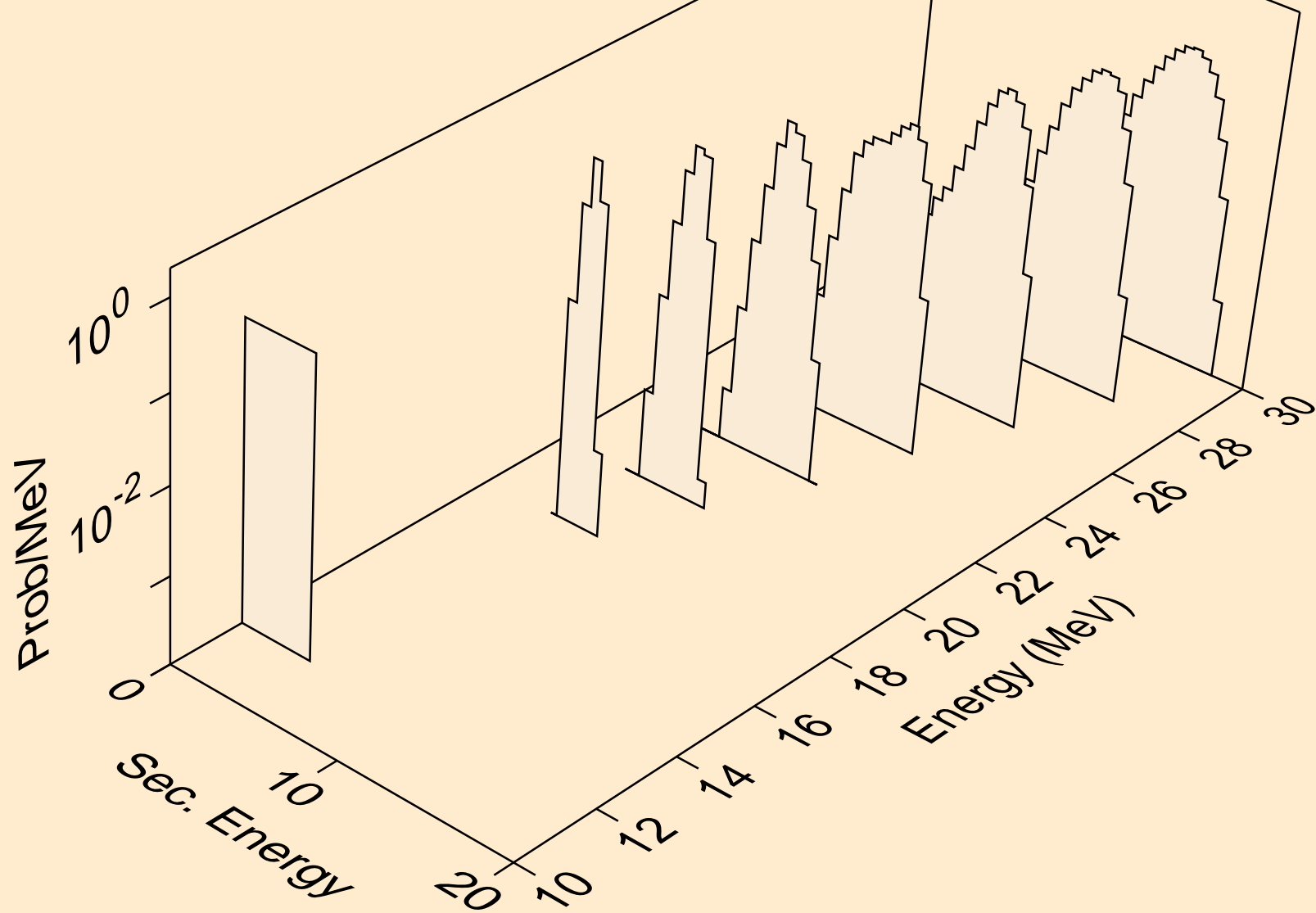
PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)a



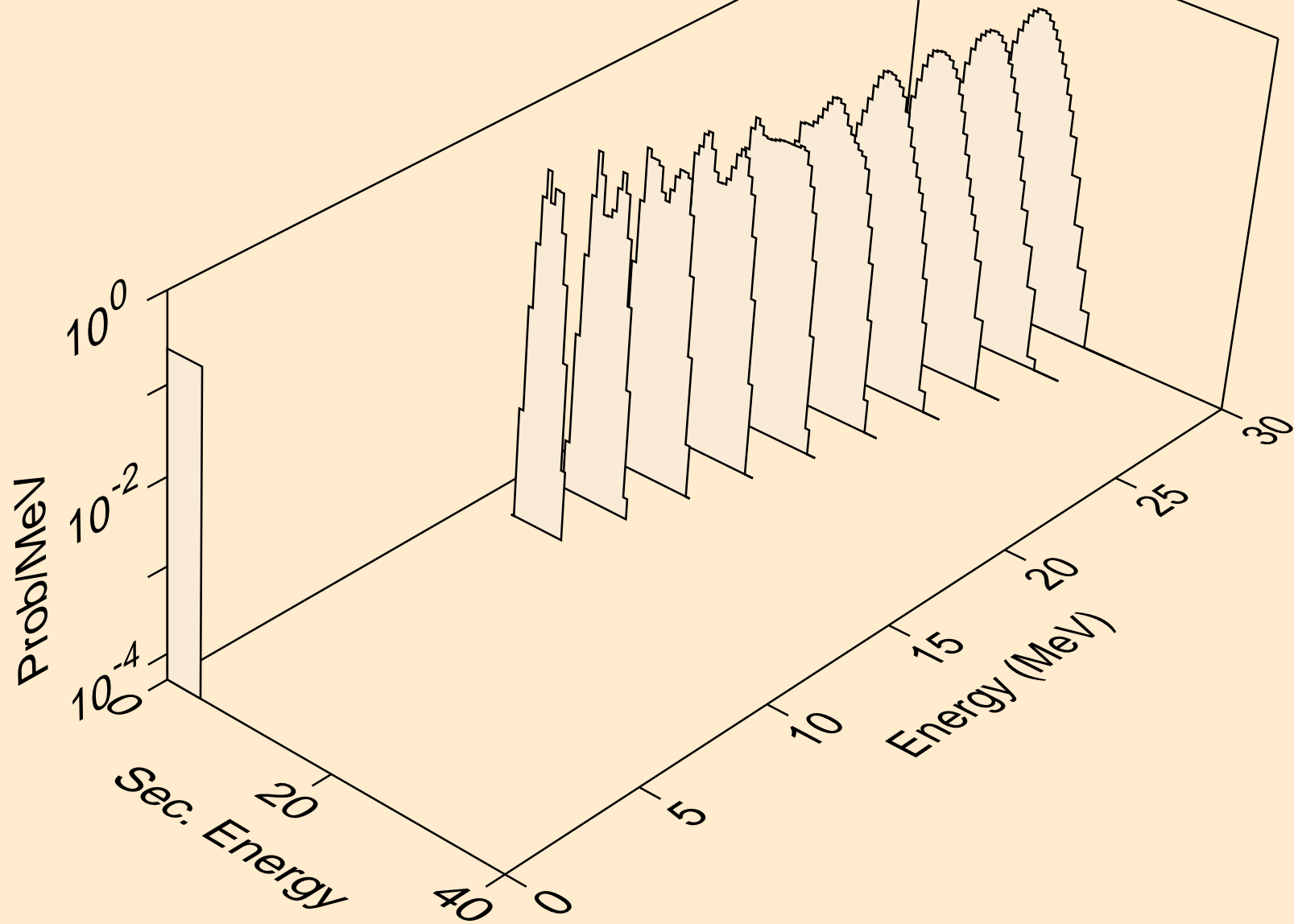
PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2n)a



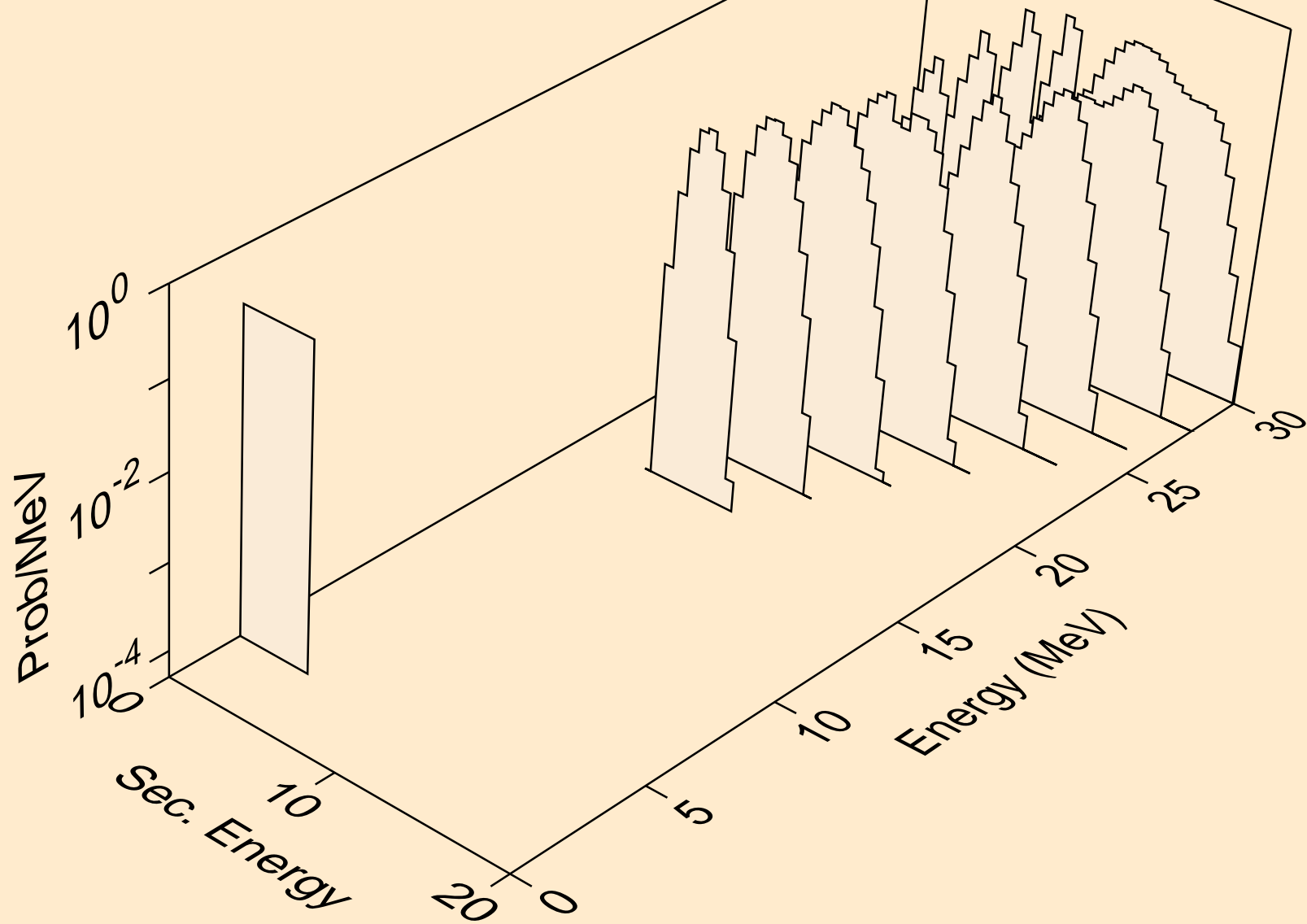
PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,3n)a



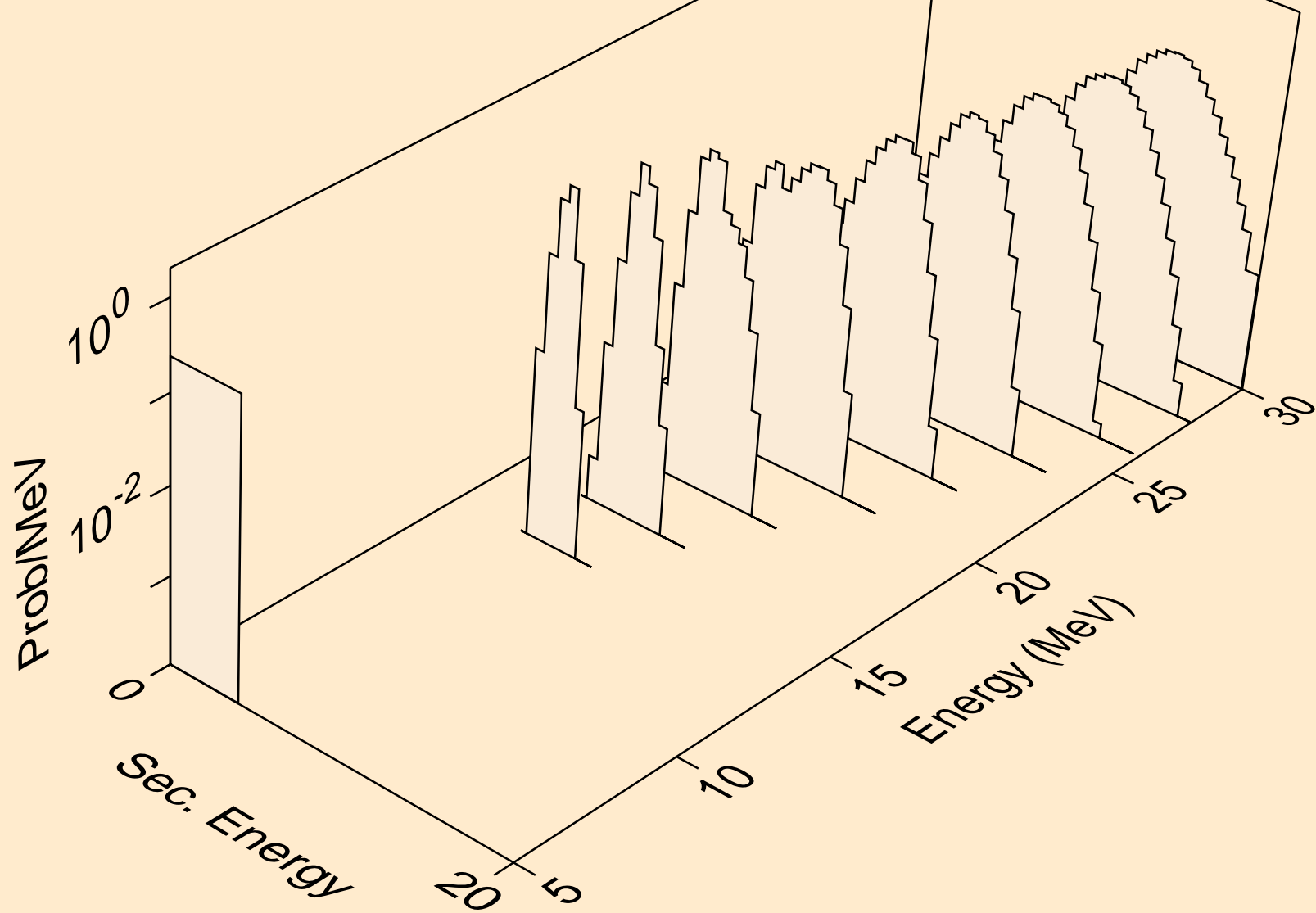
PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)2a



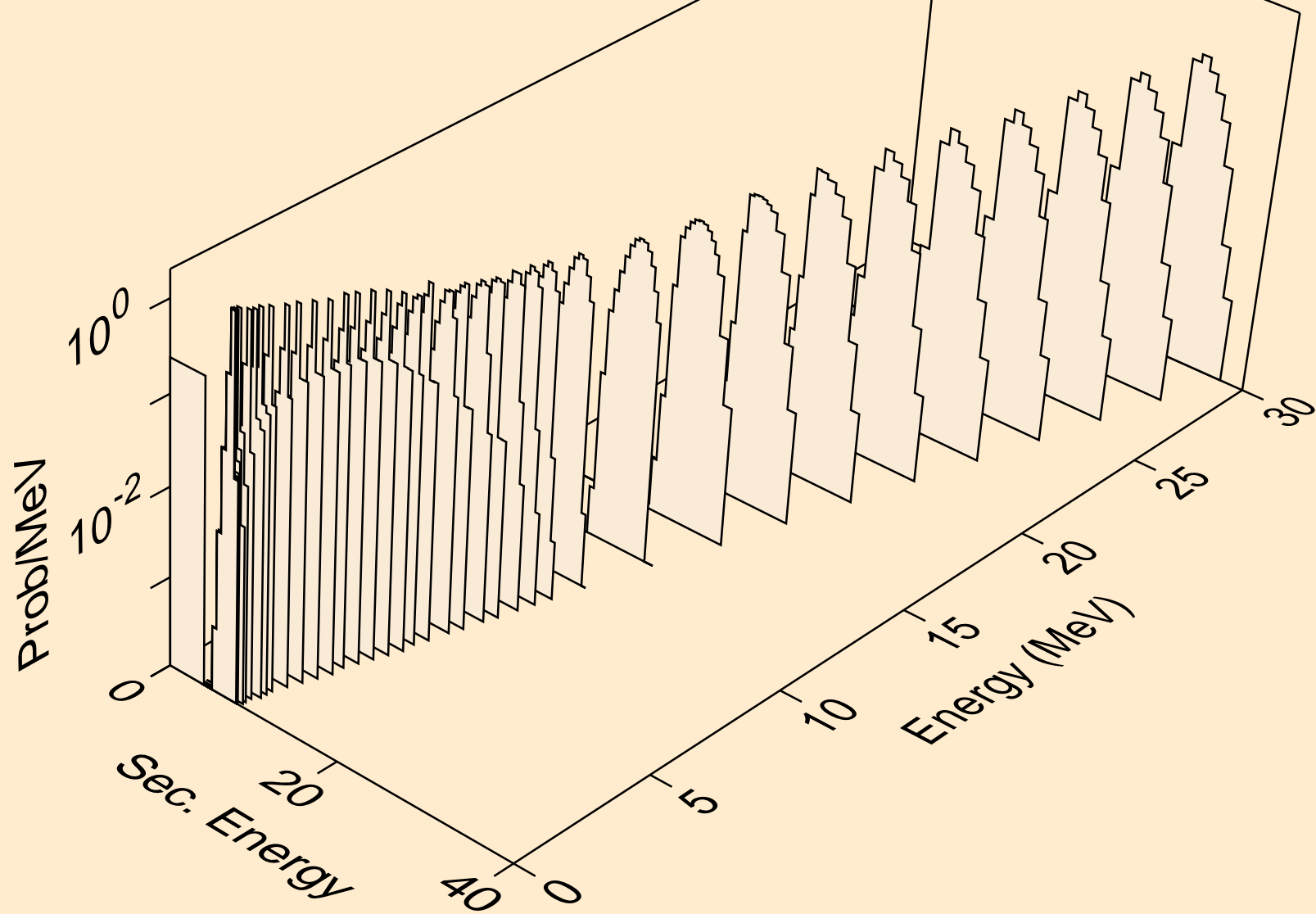
PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2n)2a



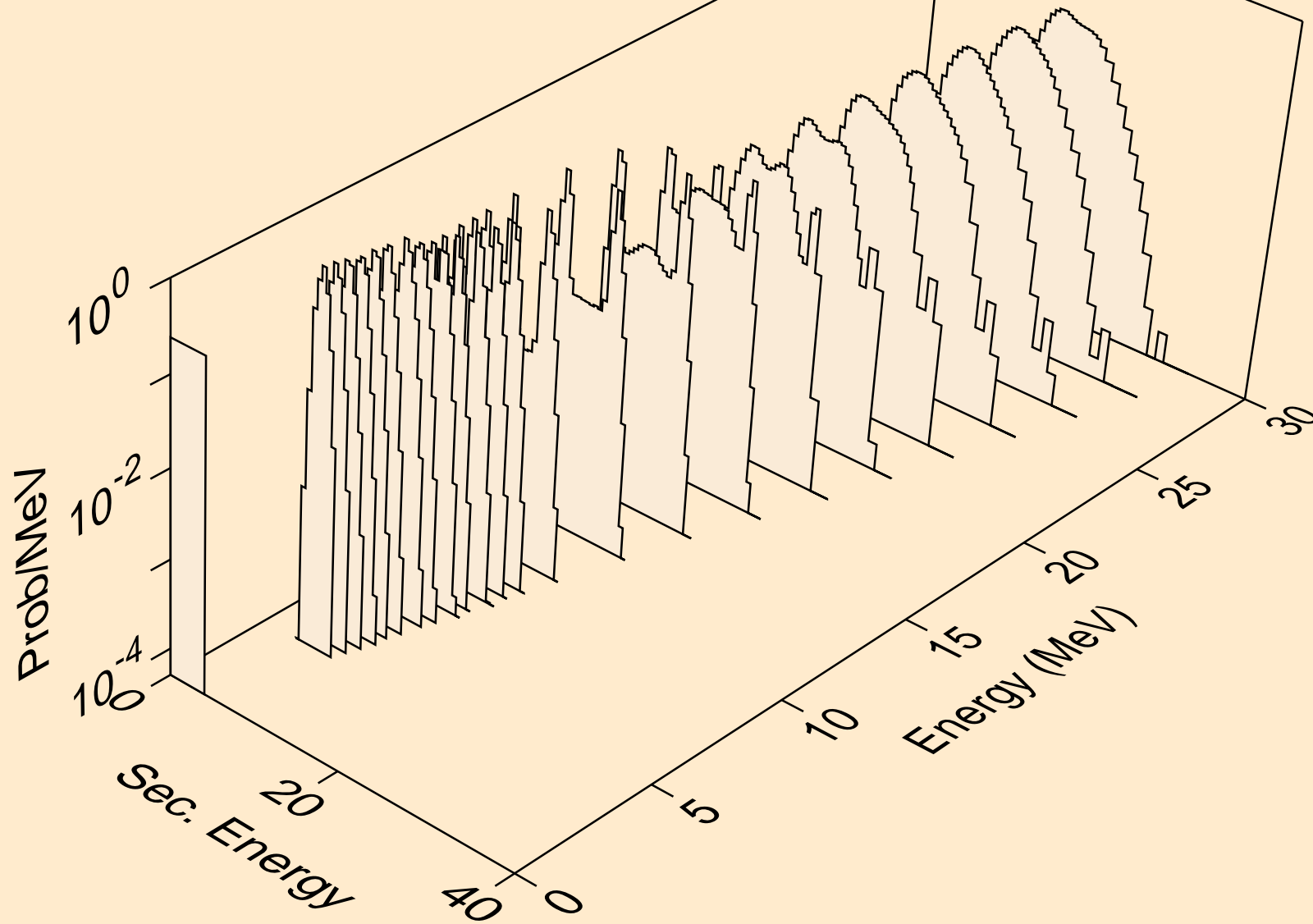
PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,npa)



PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,a)

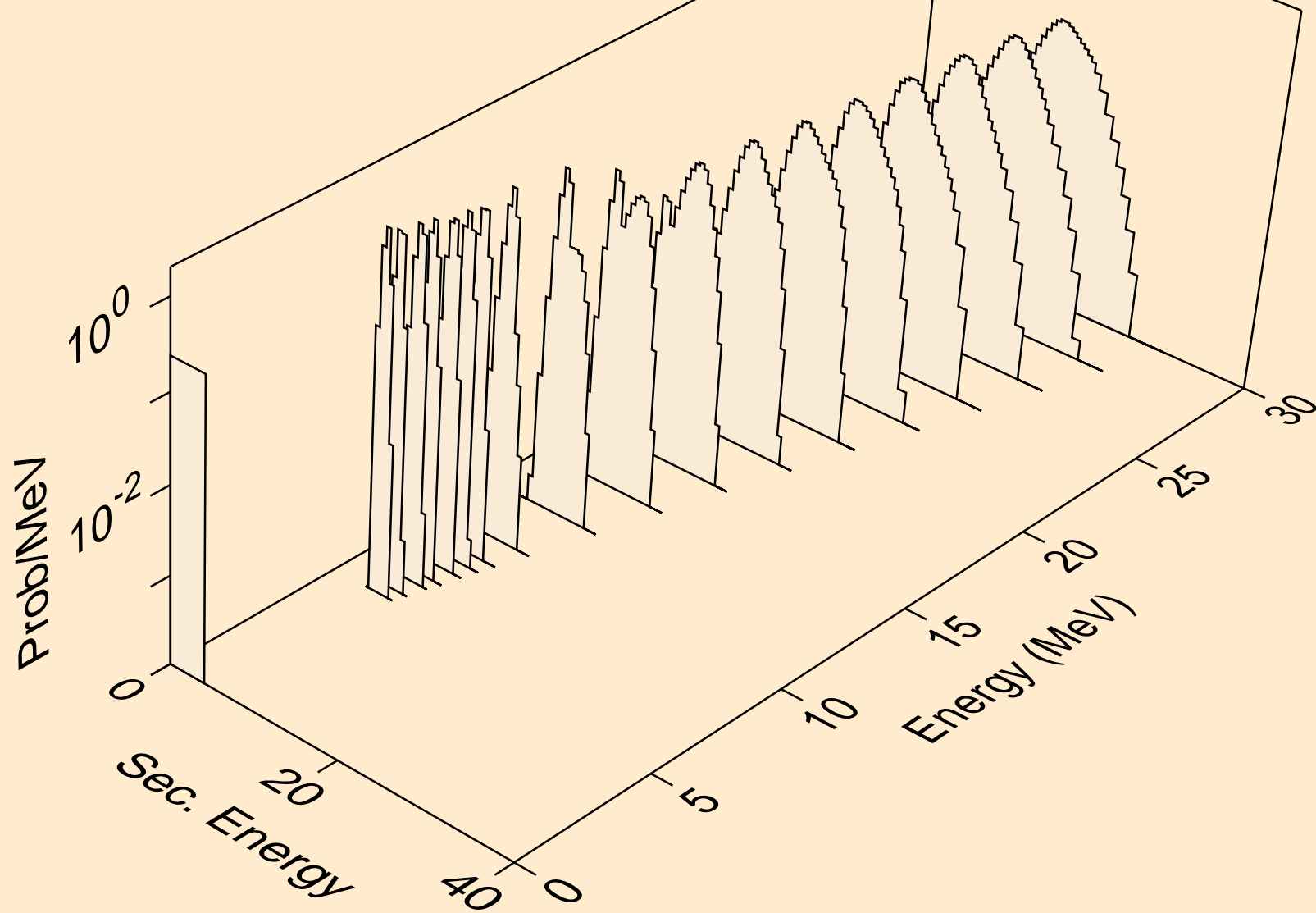


PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2a)





PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,pa)



PM148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,da)

