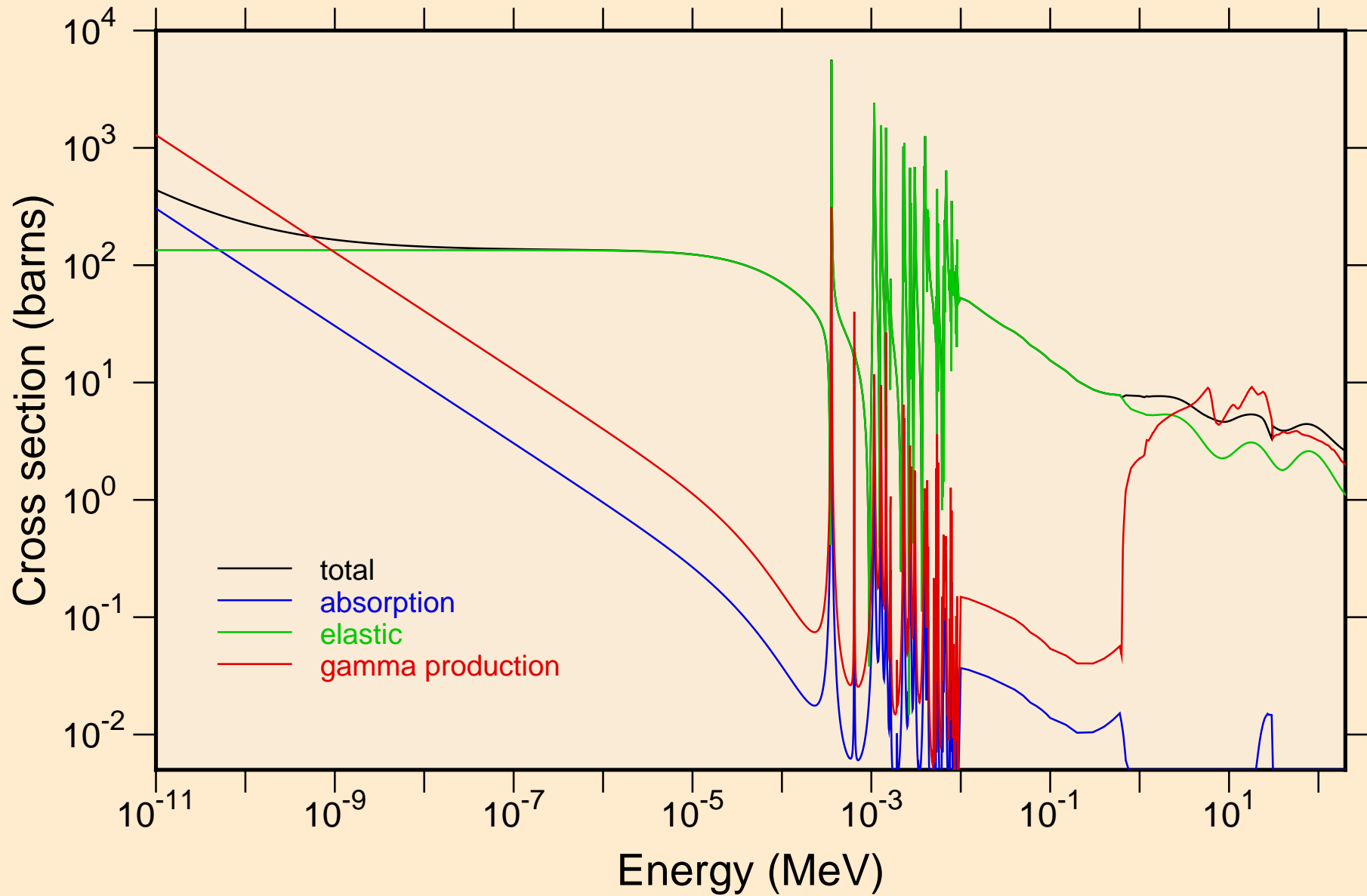
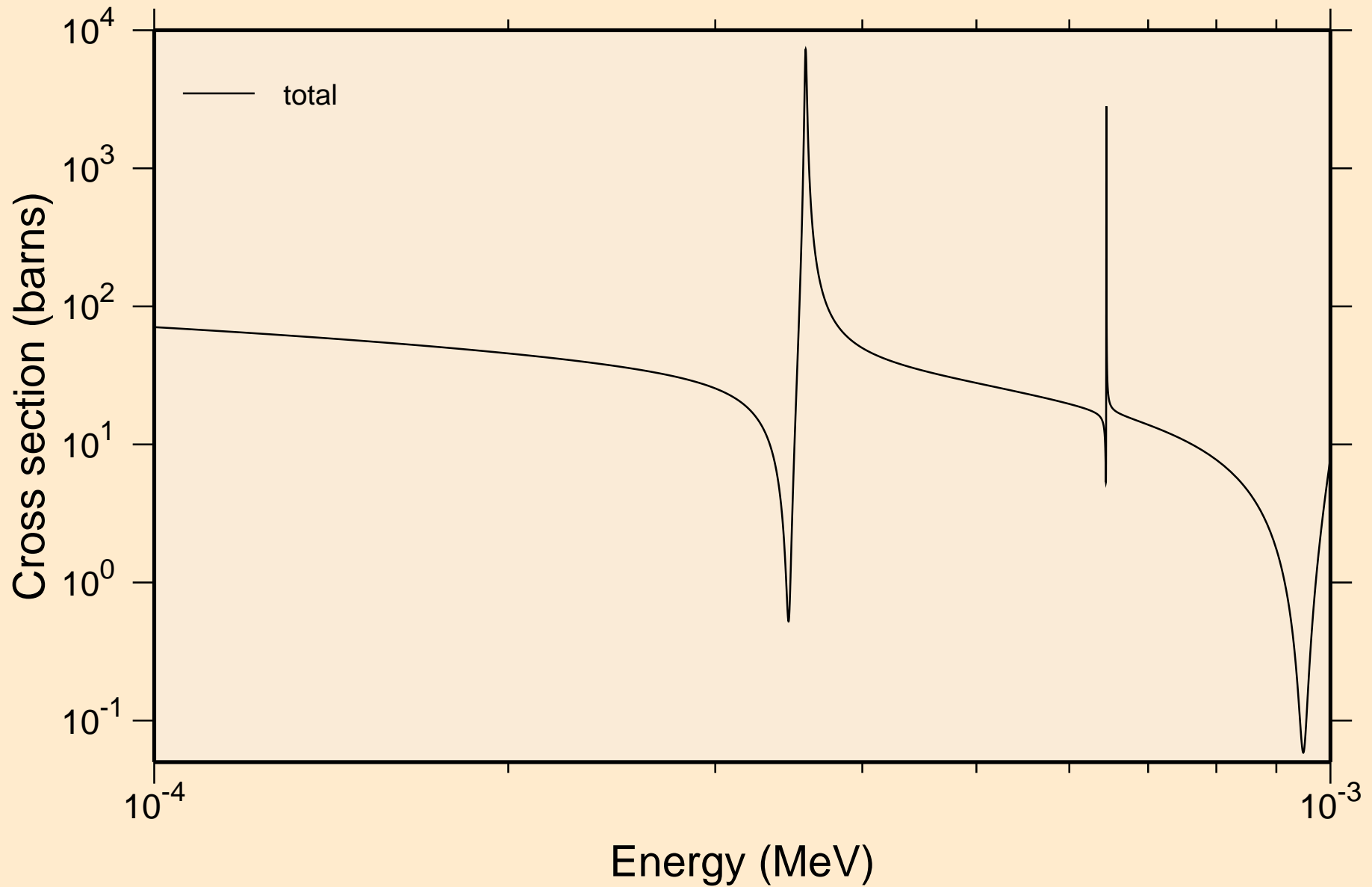


# DY172 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

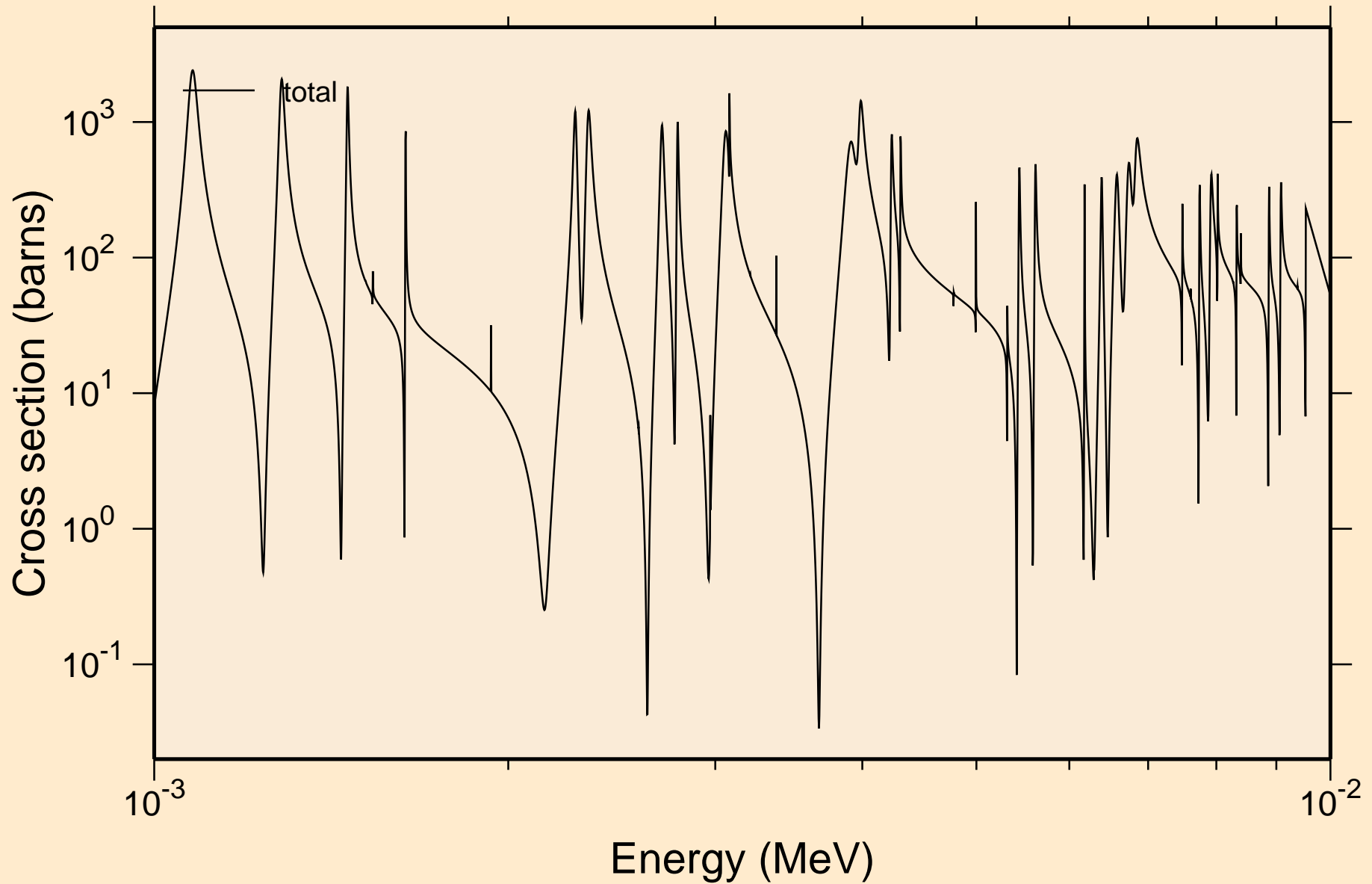
## Principal cross sections



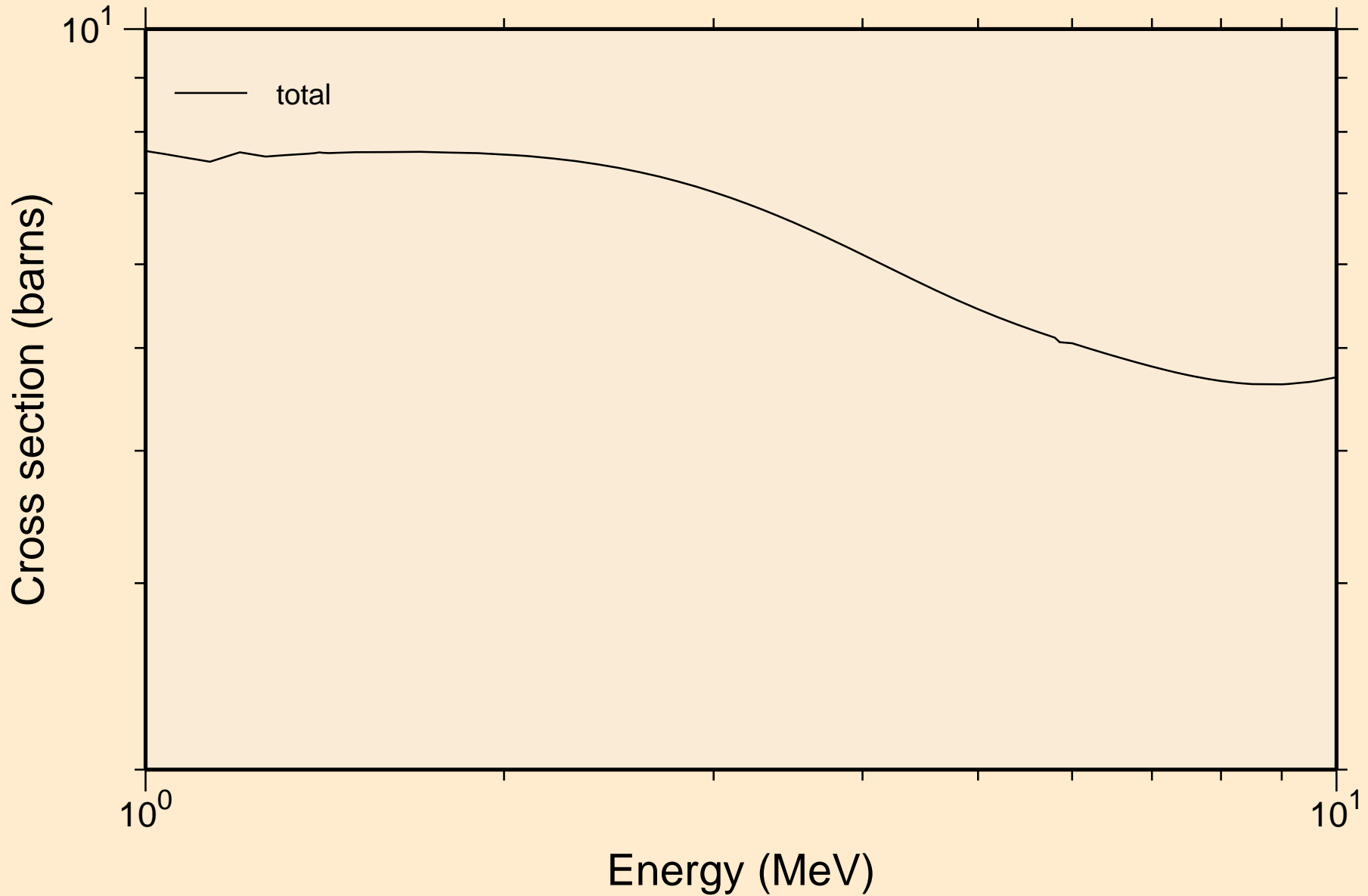
DY172 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



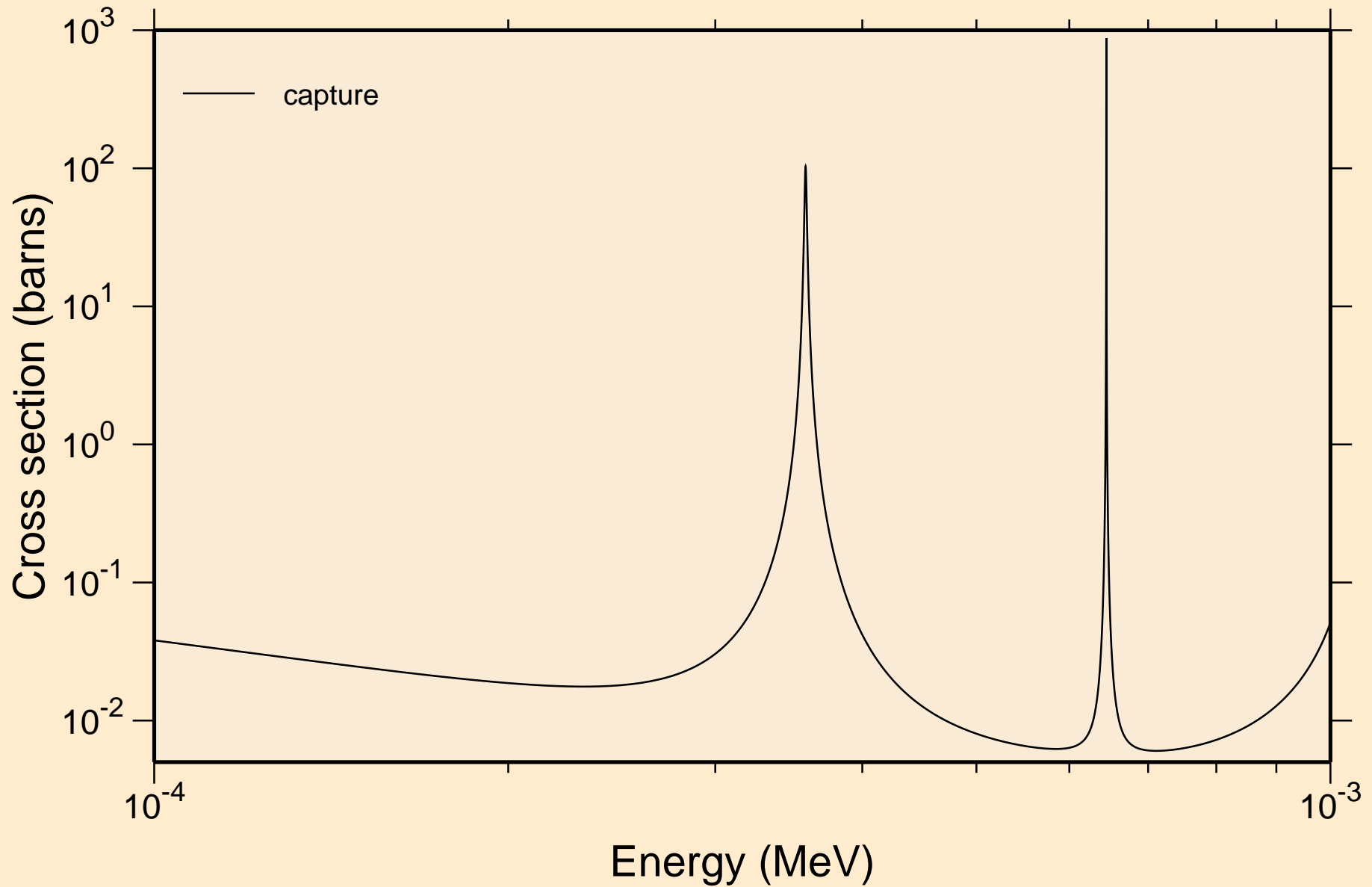
DY172 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



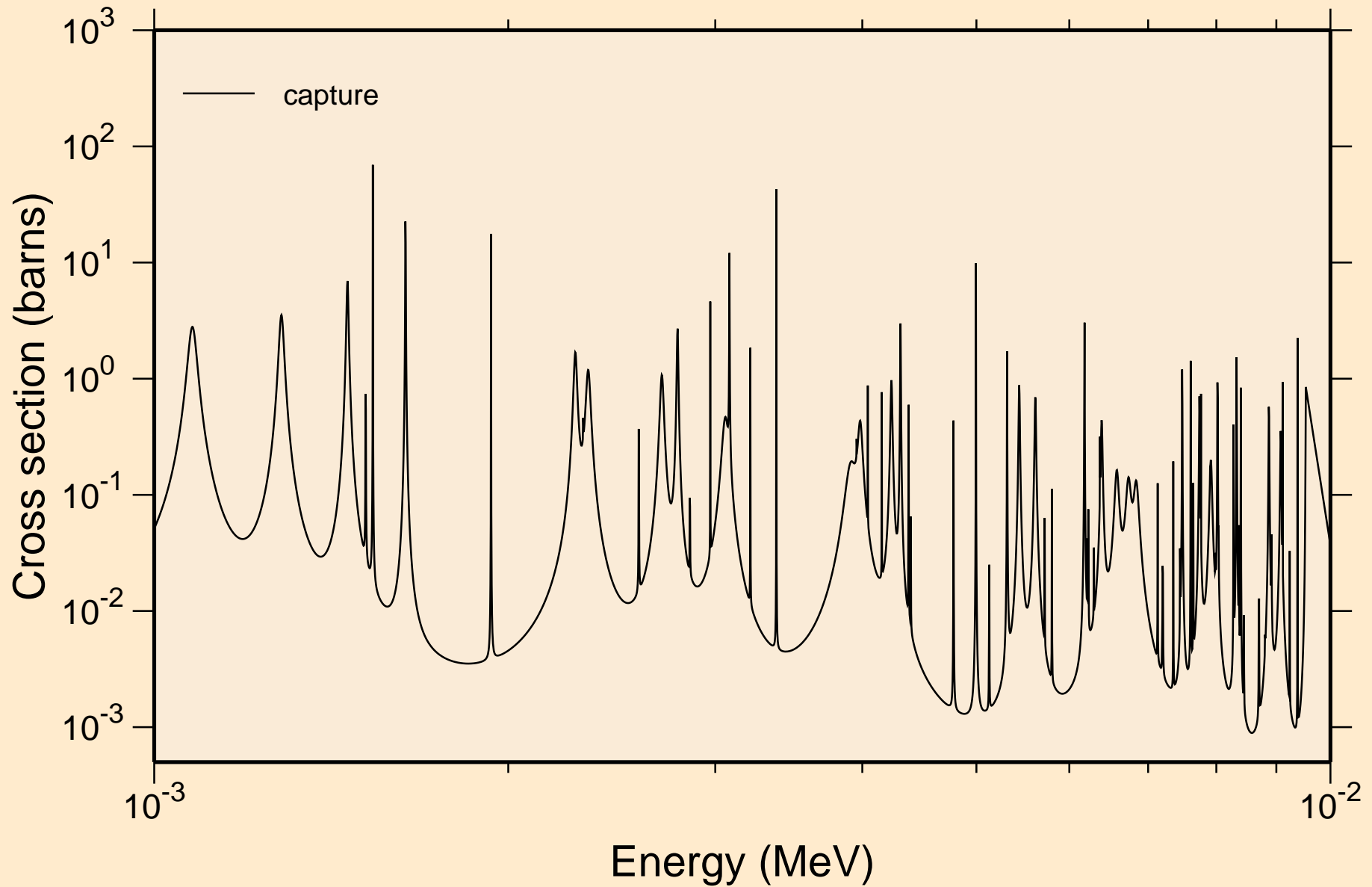
DY172 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



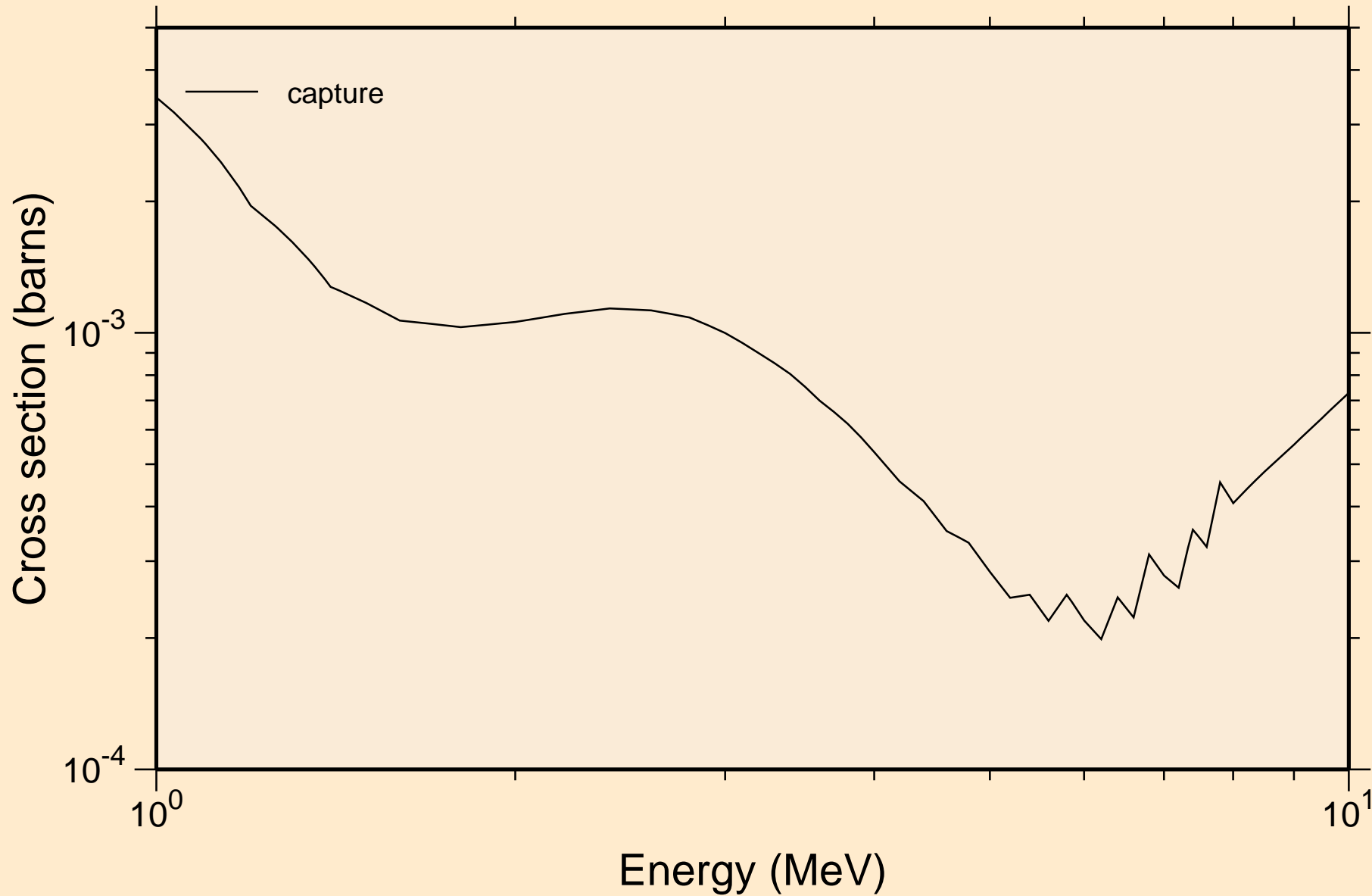
DY172 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



DY172 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections

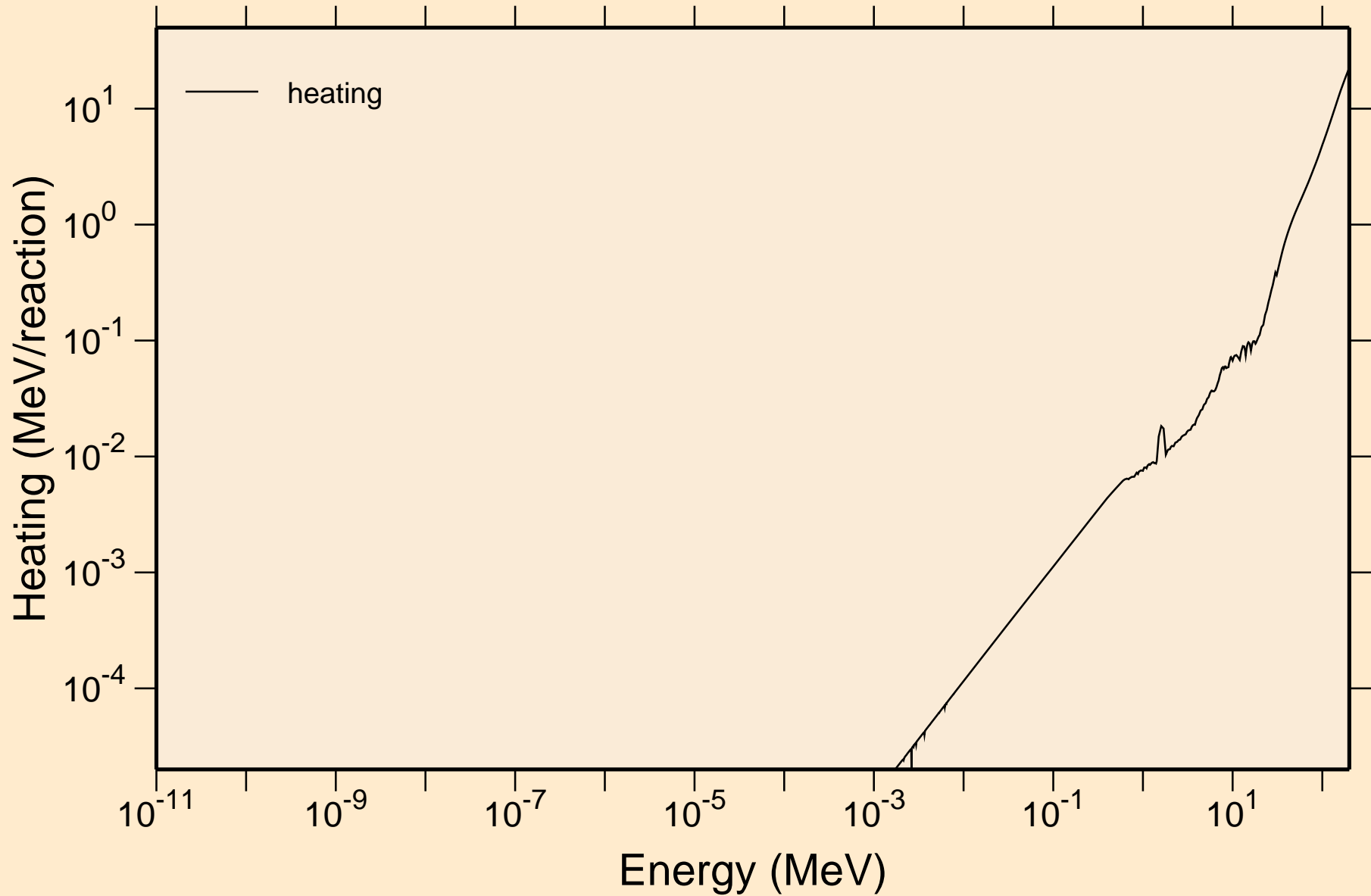


DY172 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



# DY172 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

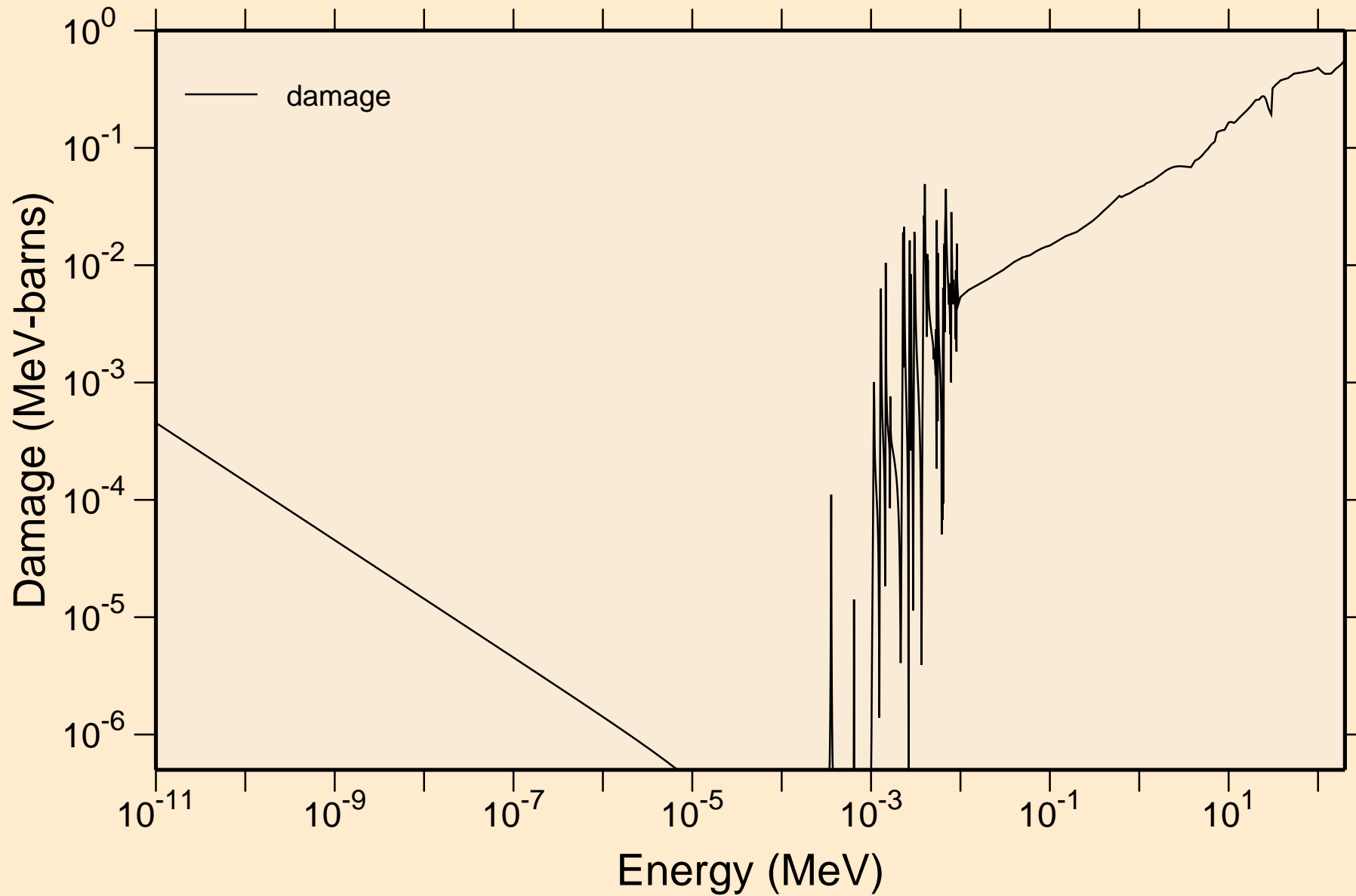
## Heating



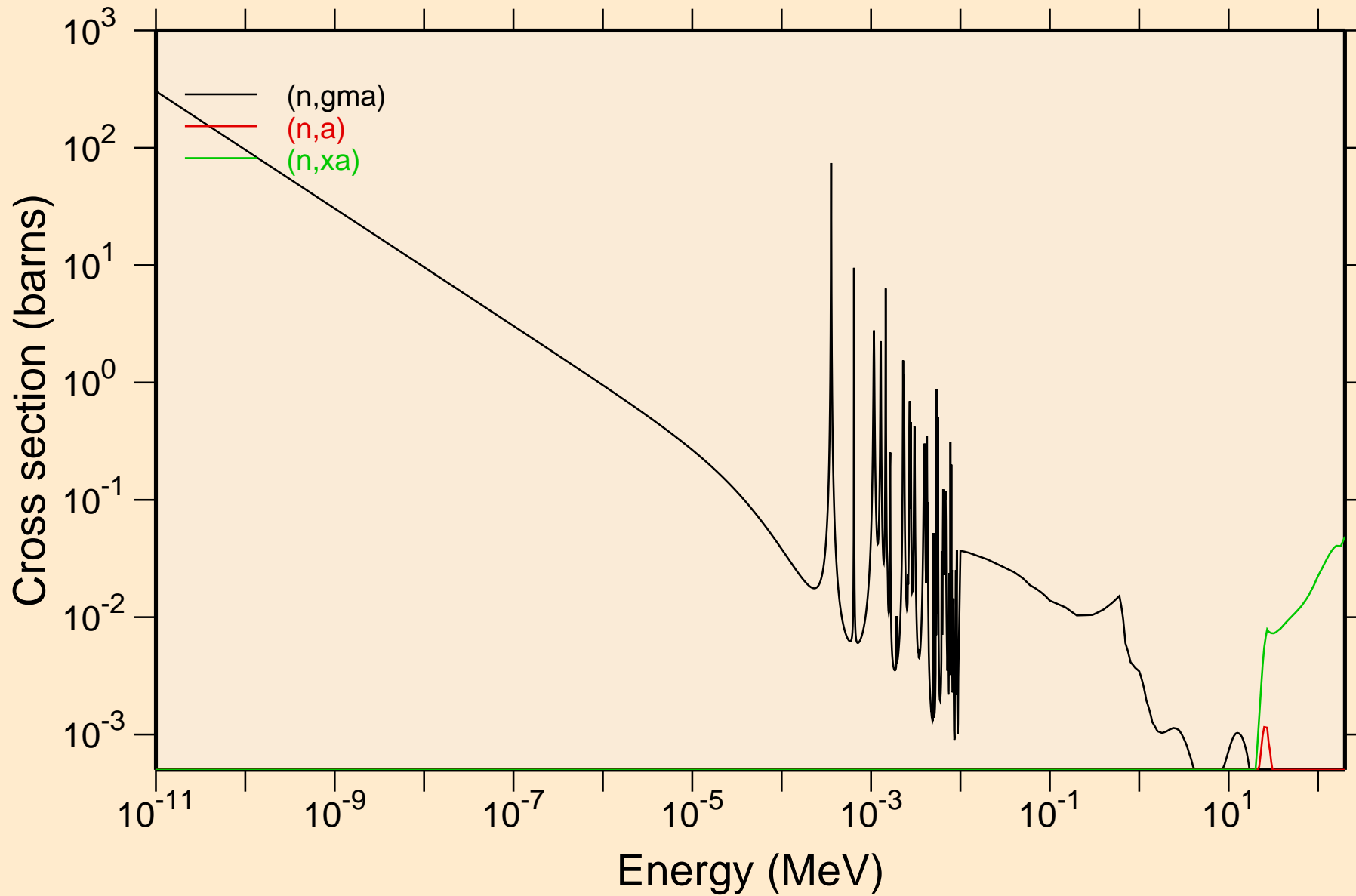


# DY172 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Damage

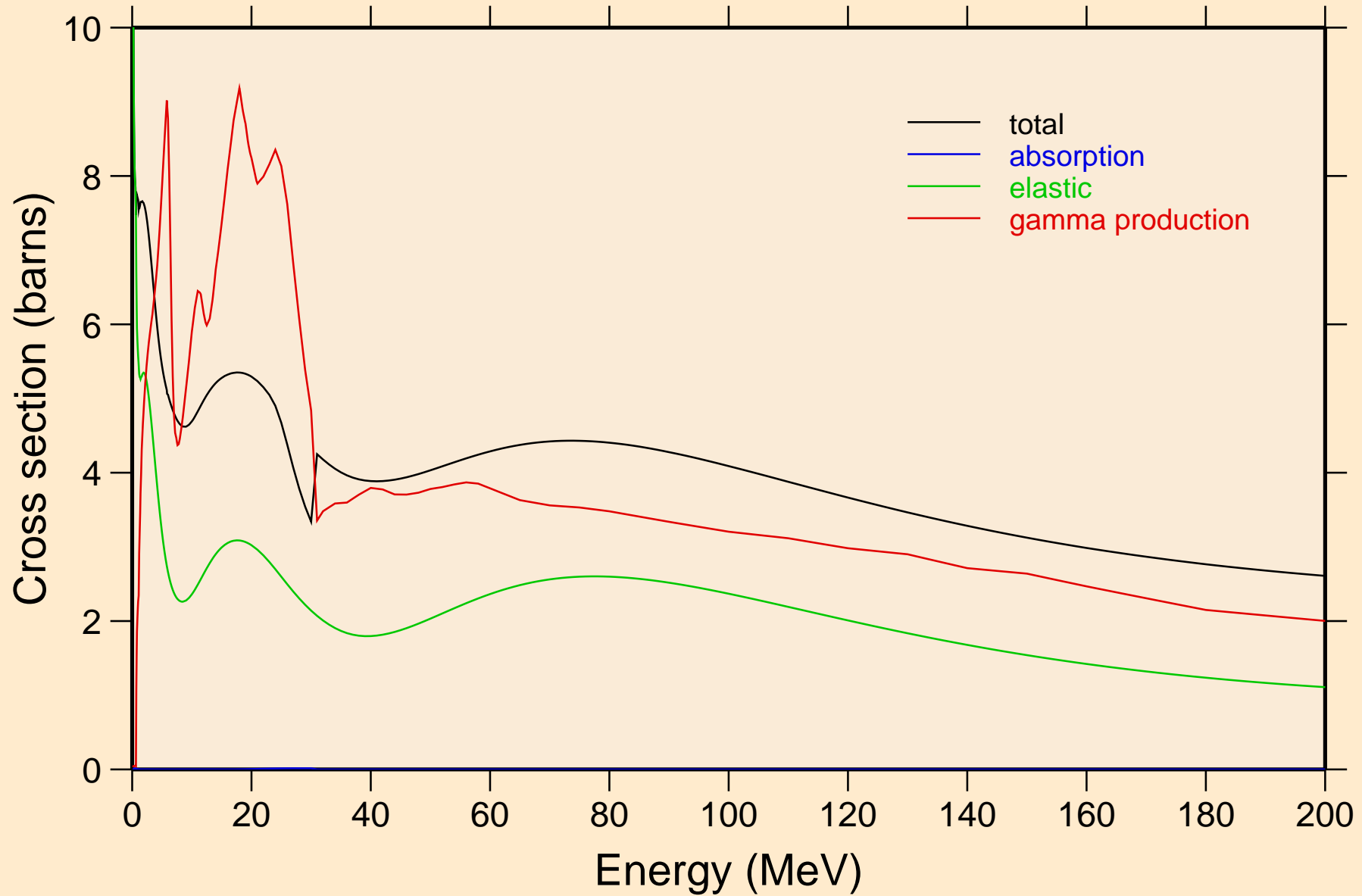


DY172 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



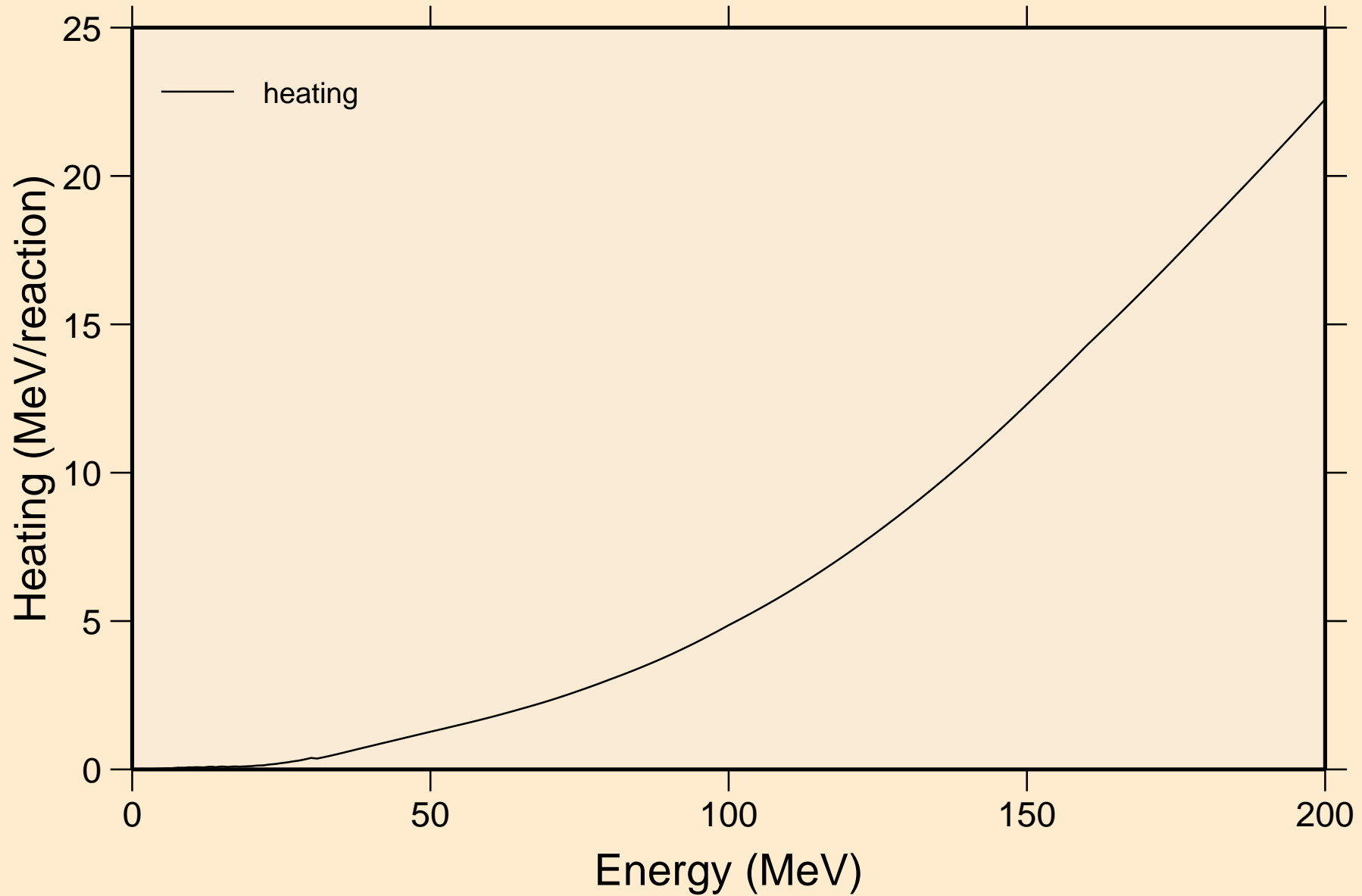
# DY172 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections

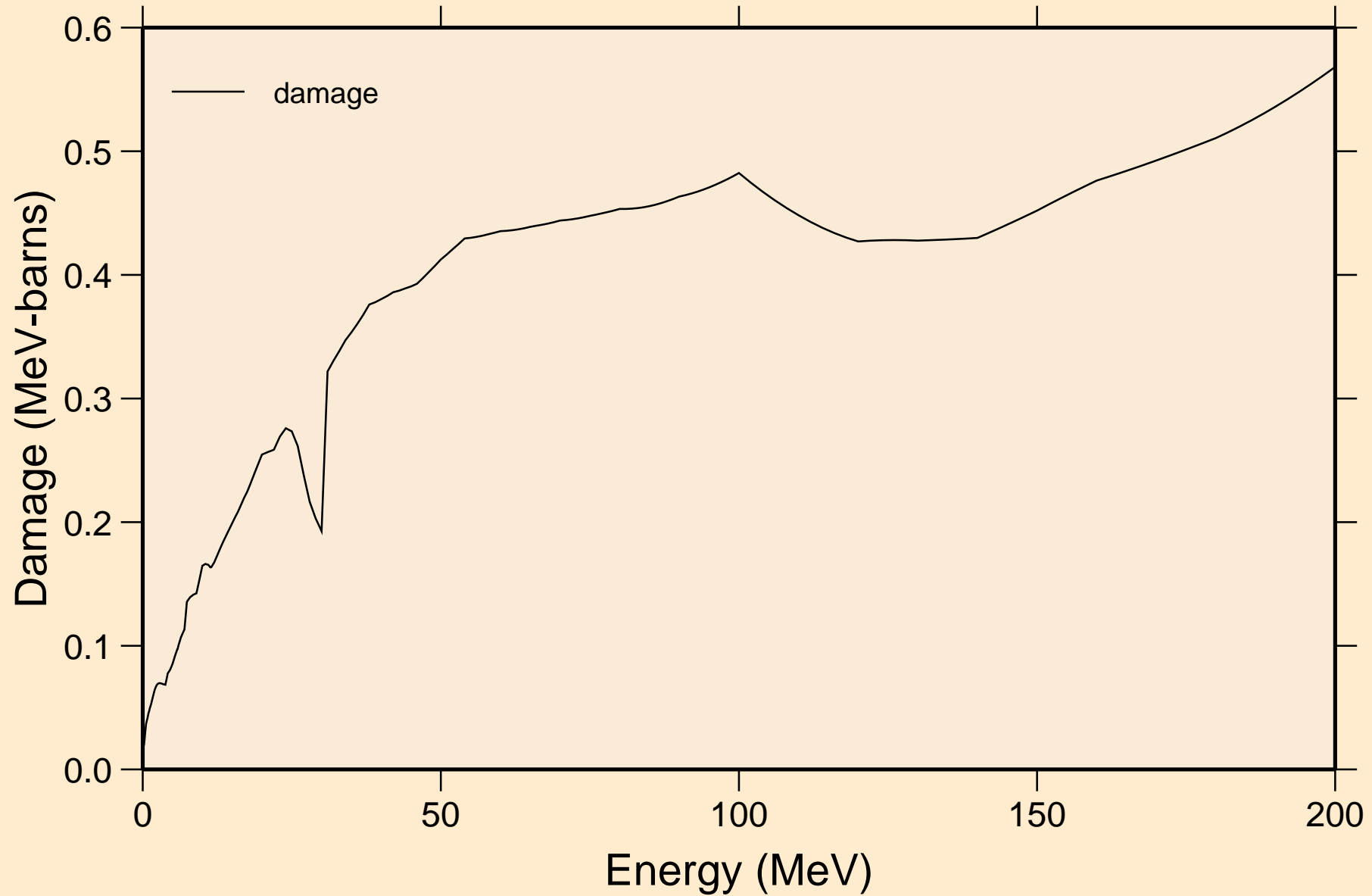


# DY172 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Heating

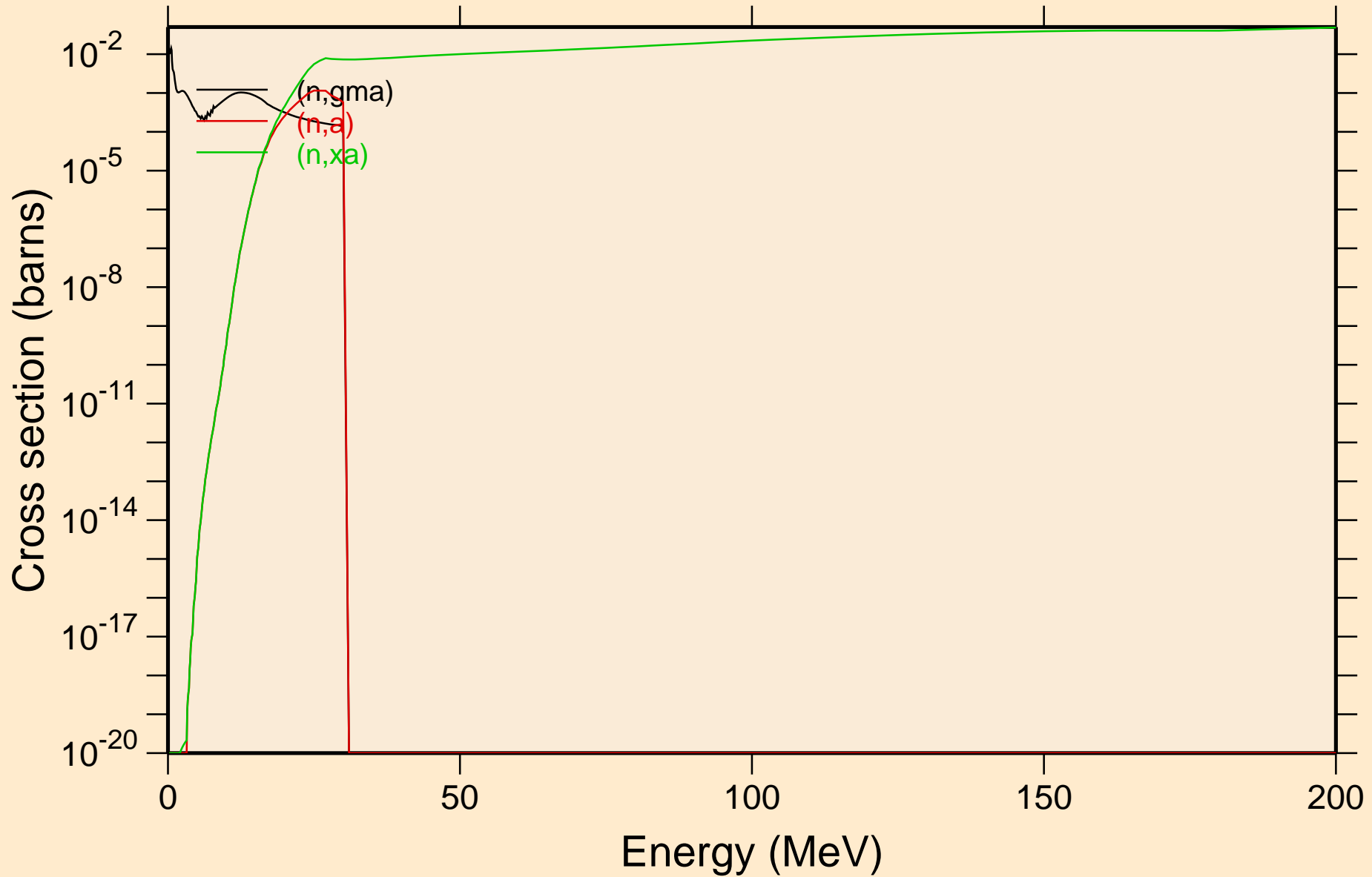


DY172 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Damage

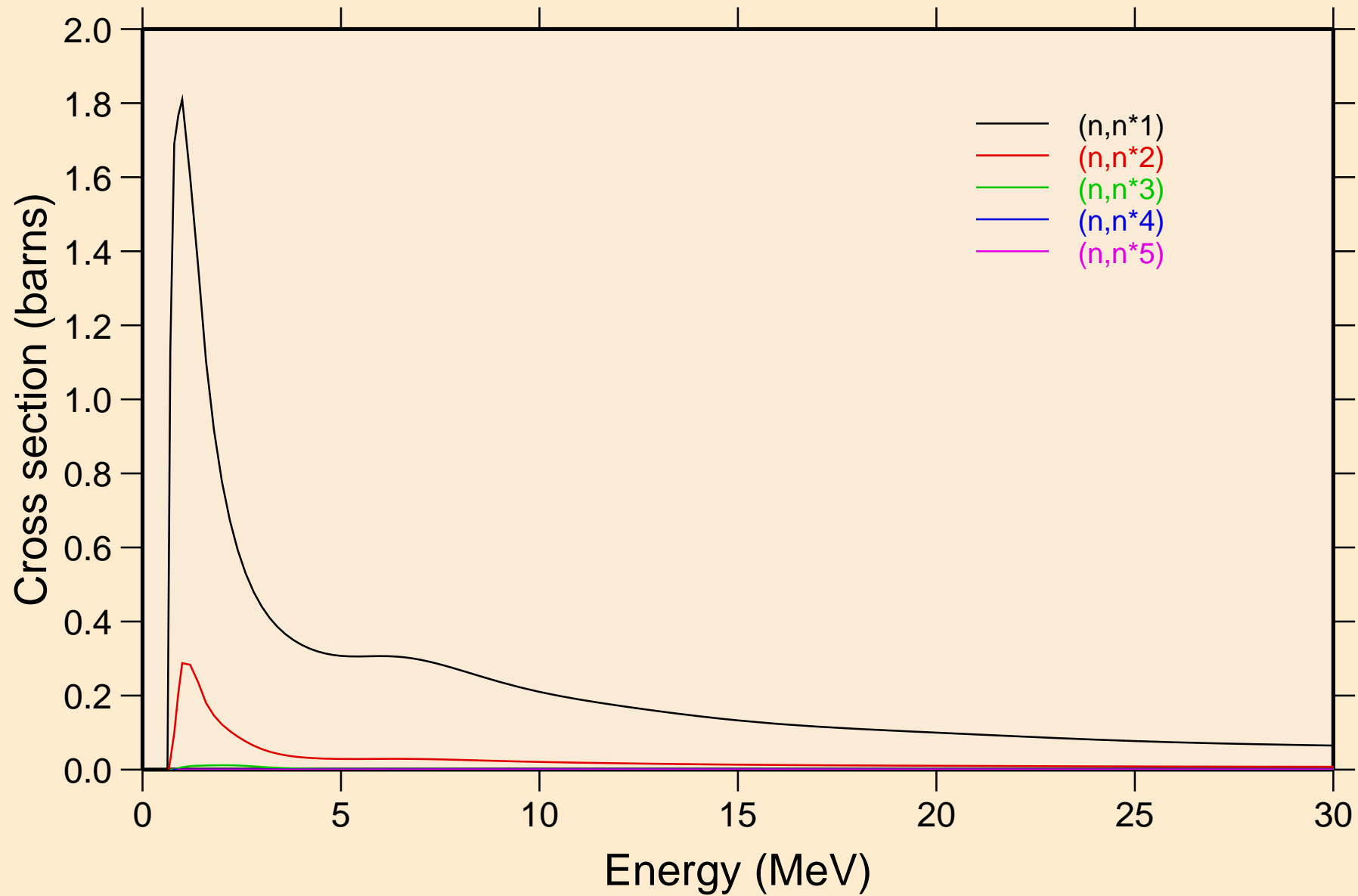


# DY172 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

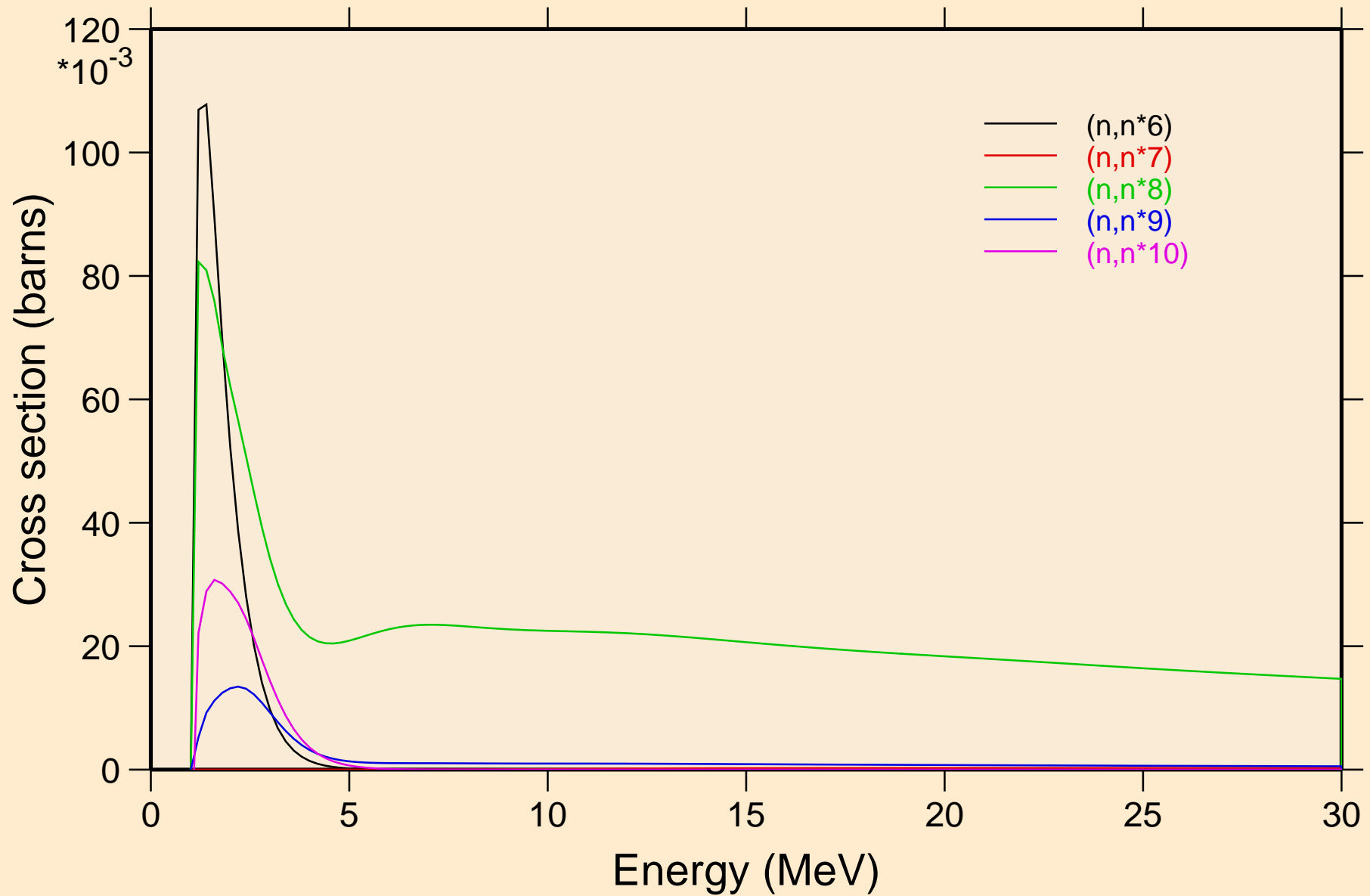
## Non-threshold reactions



DY172 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels

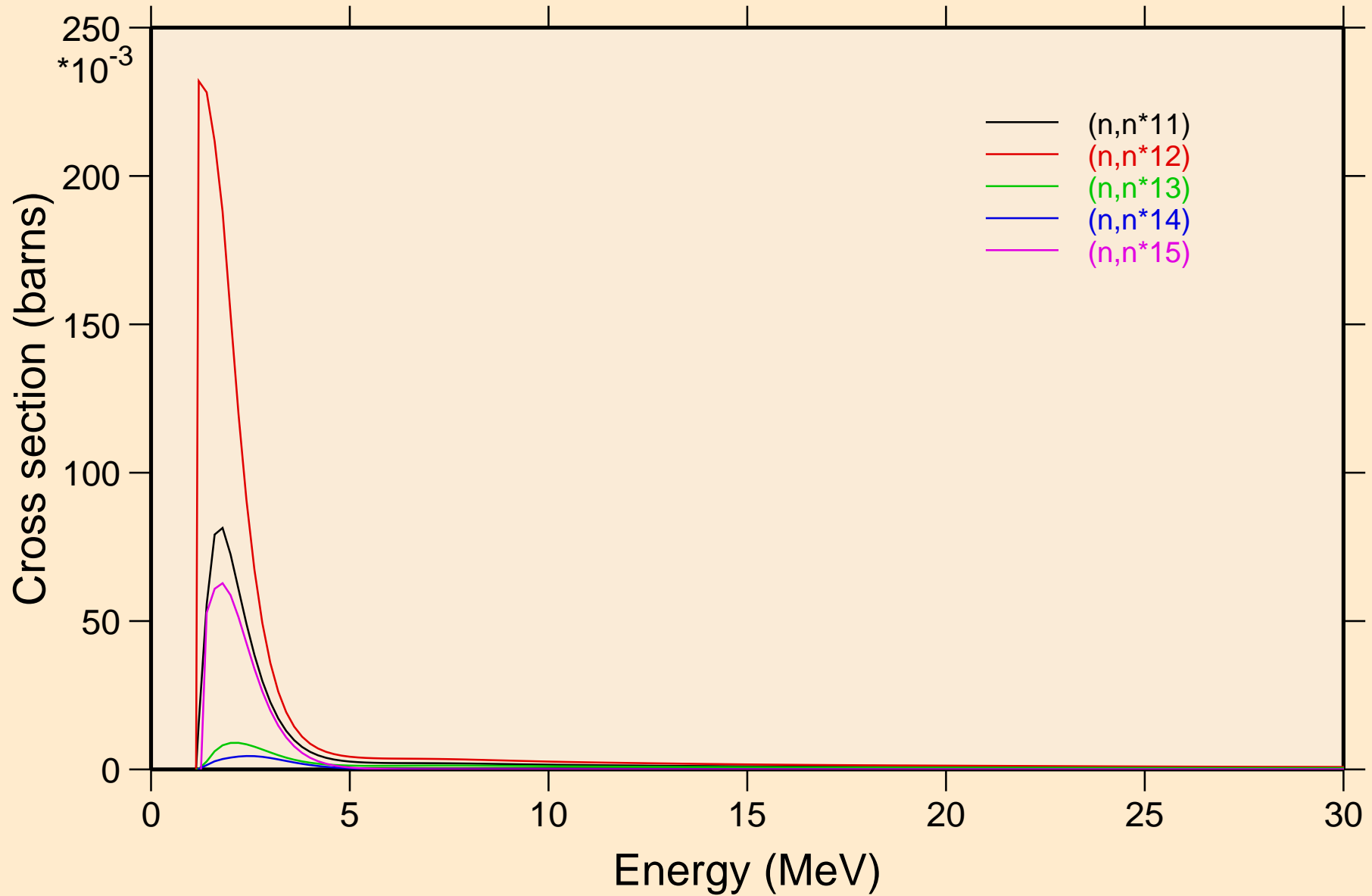


DY172 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels

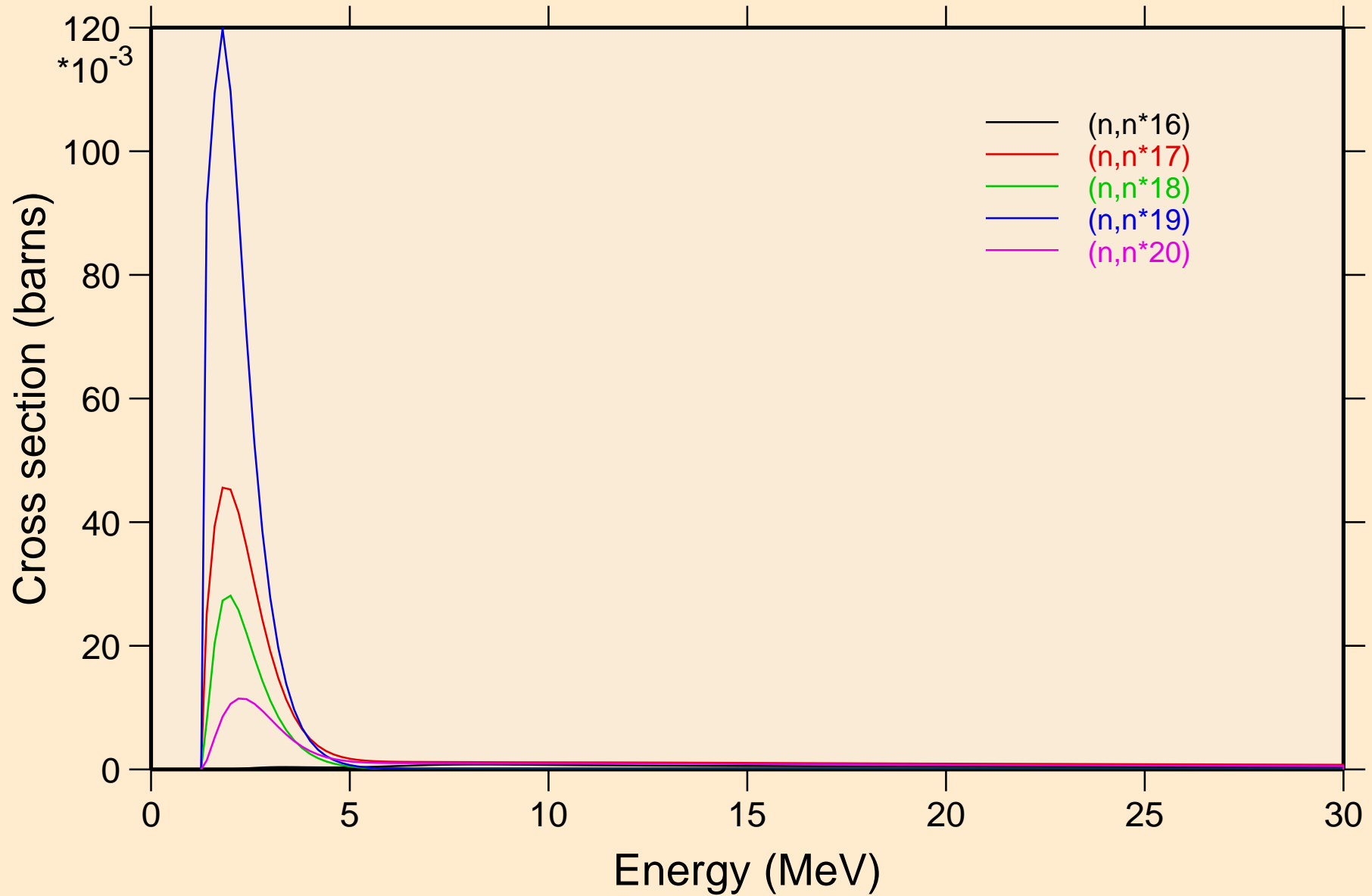




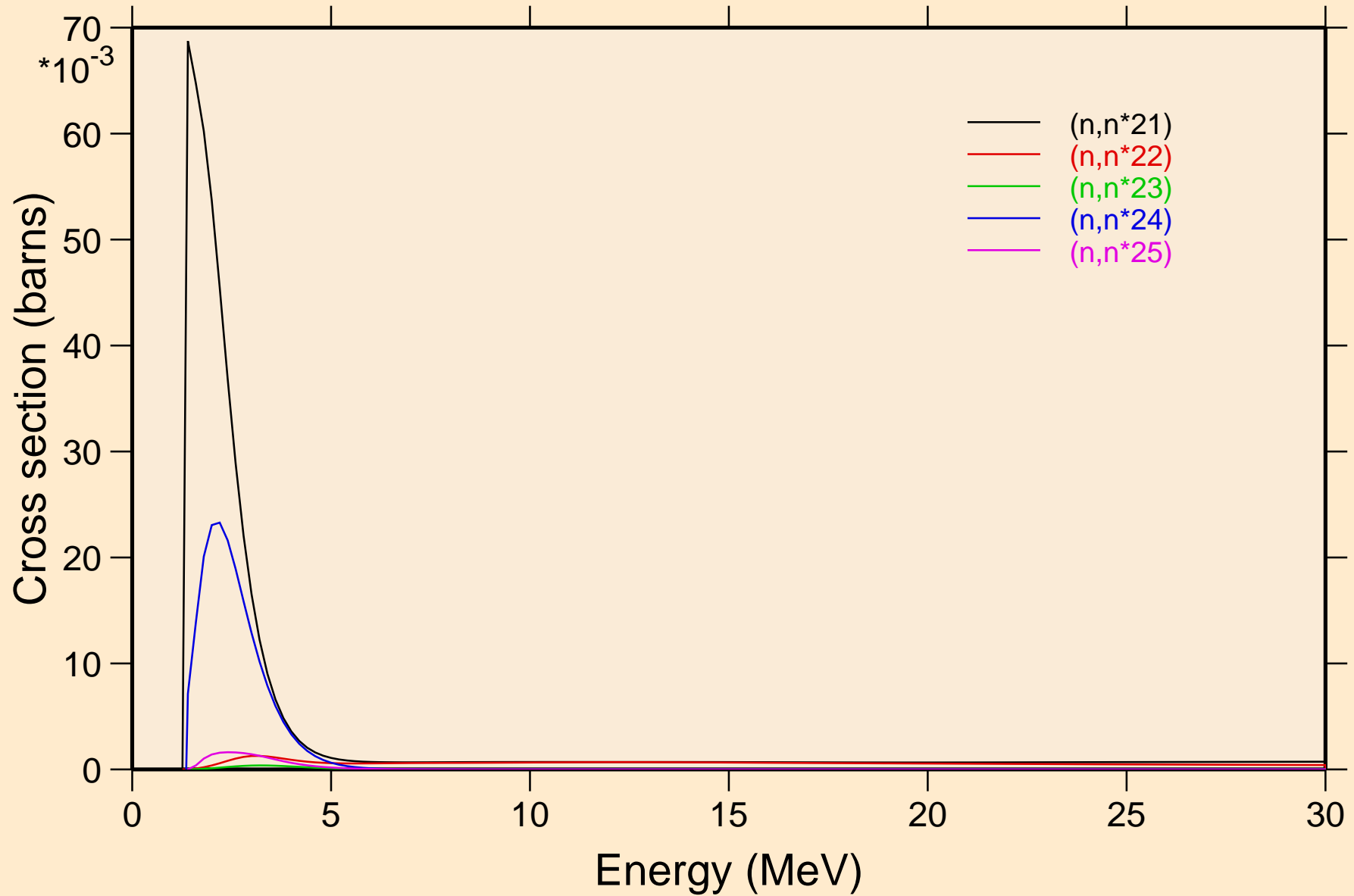
DY172 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



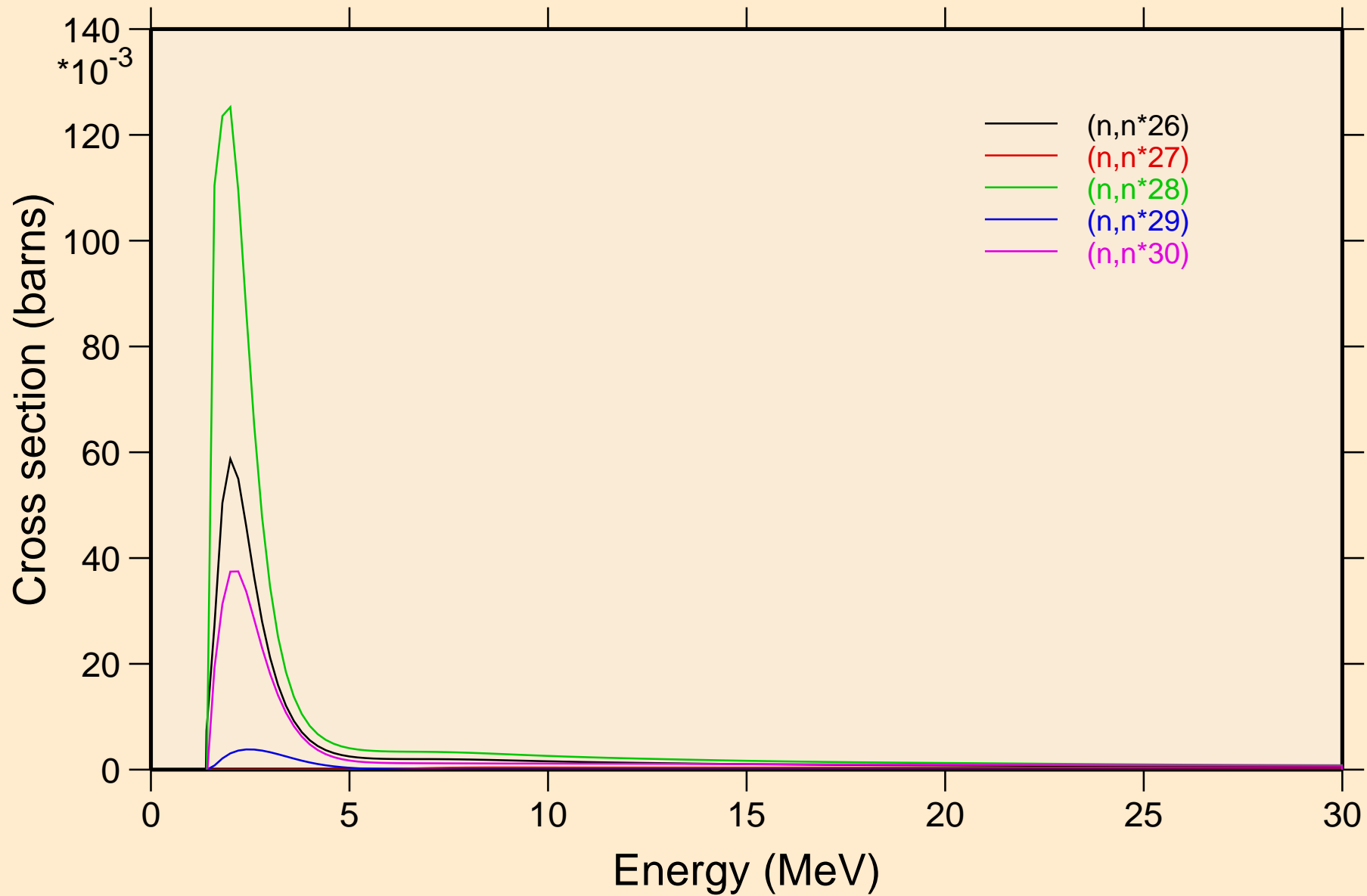
DY172 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



DY172 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels

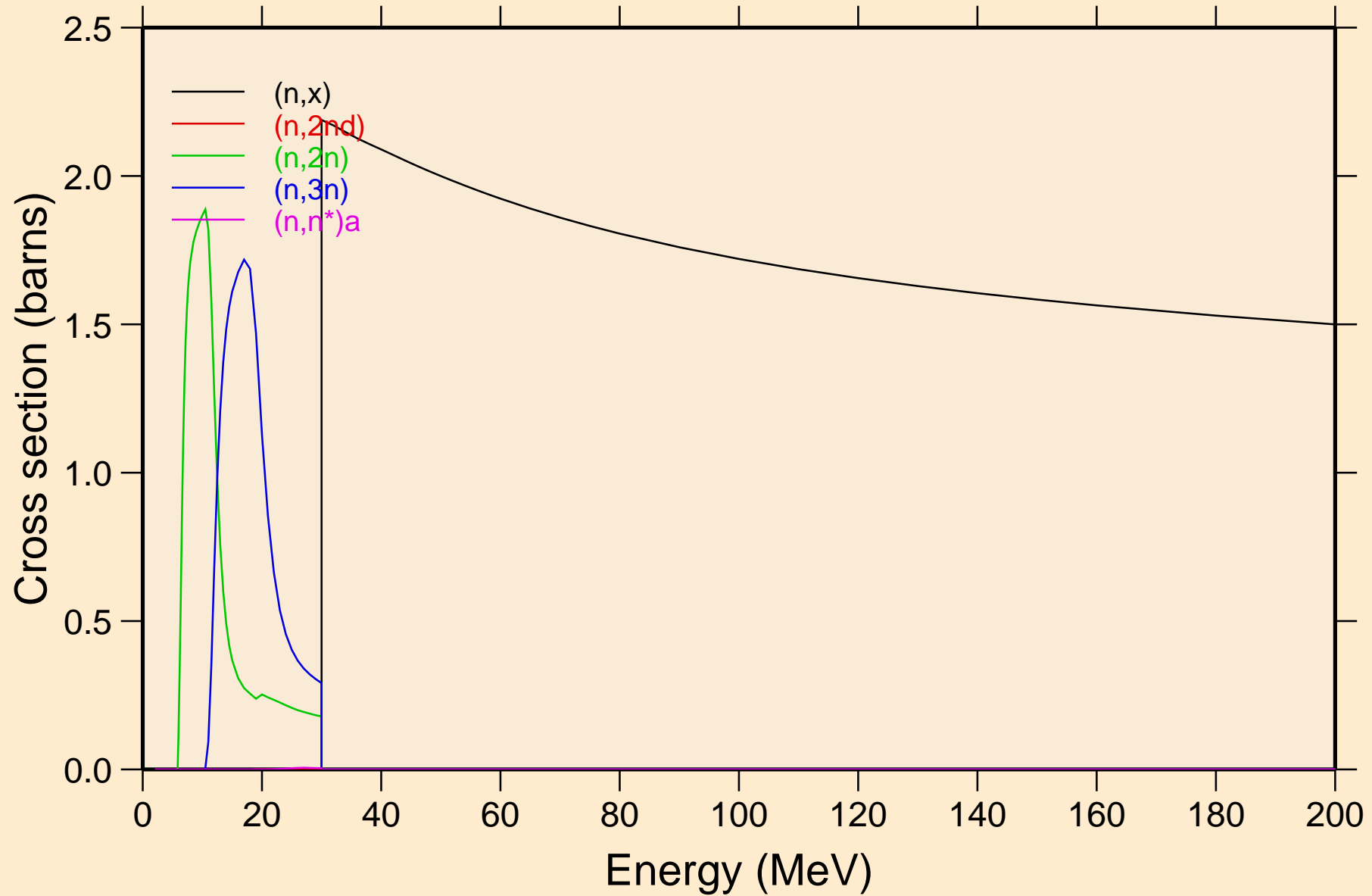


DY172 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels

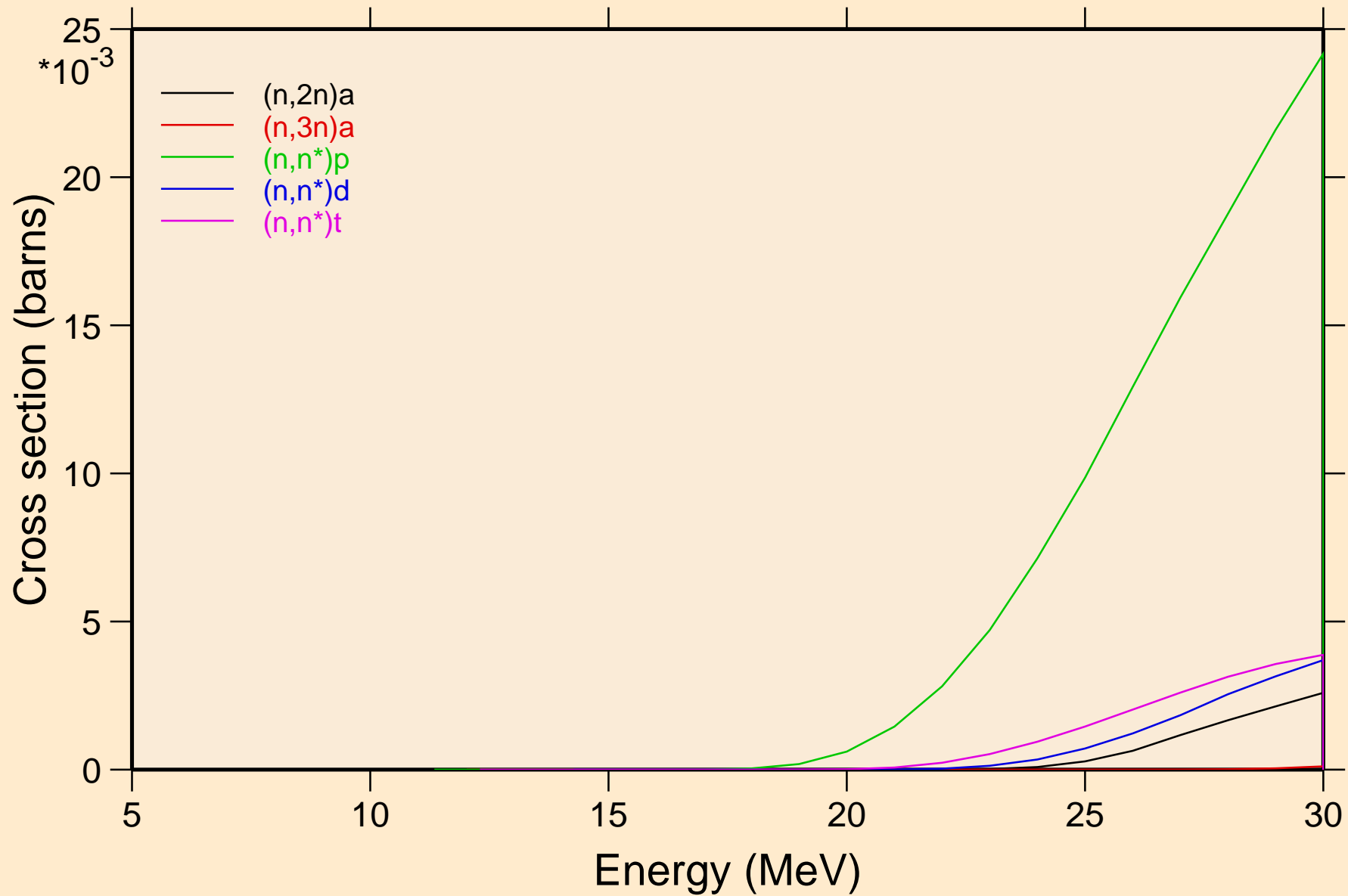


# DY172 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

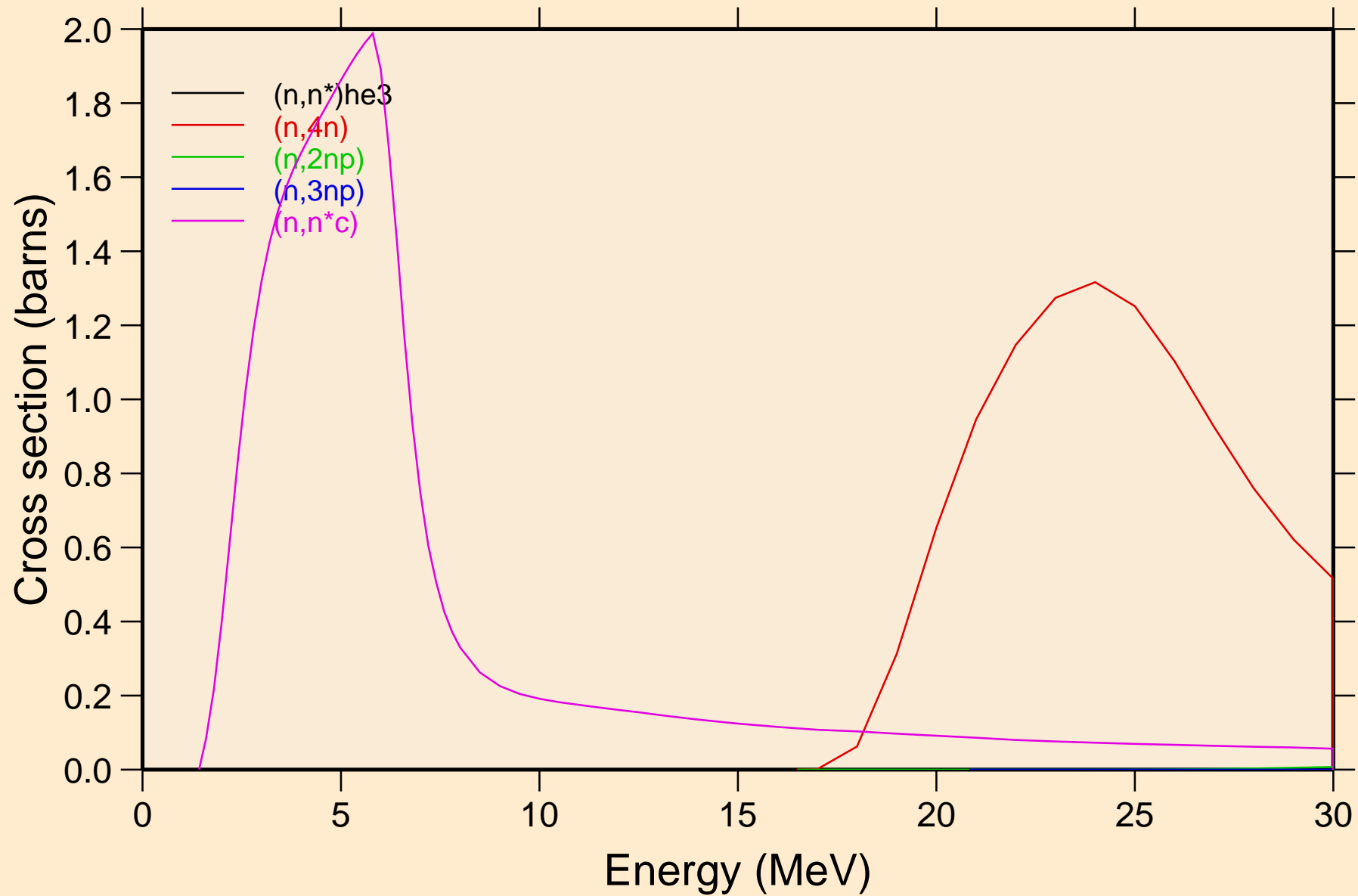
## Threshold reactions



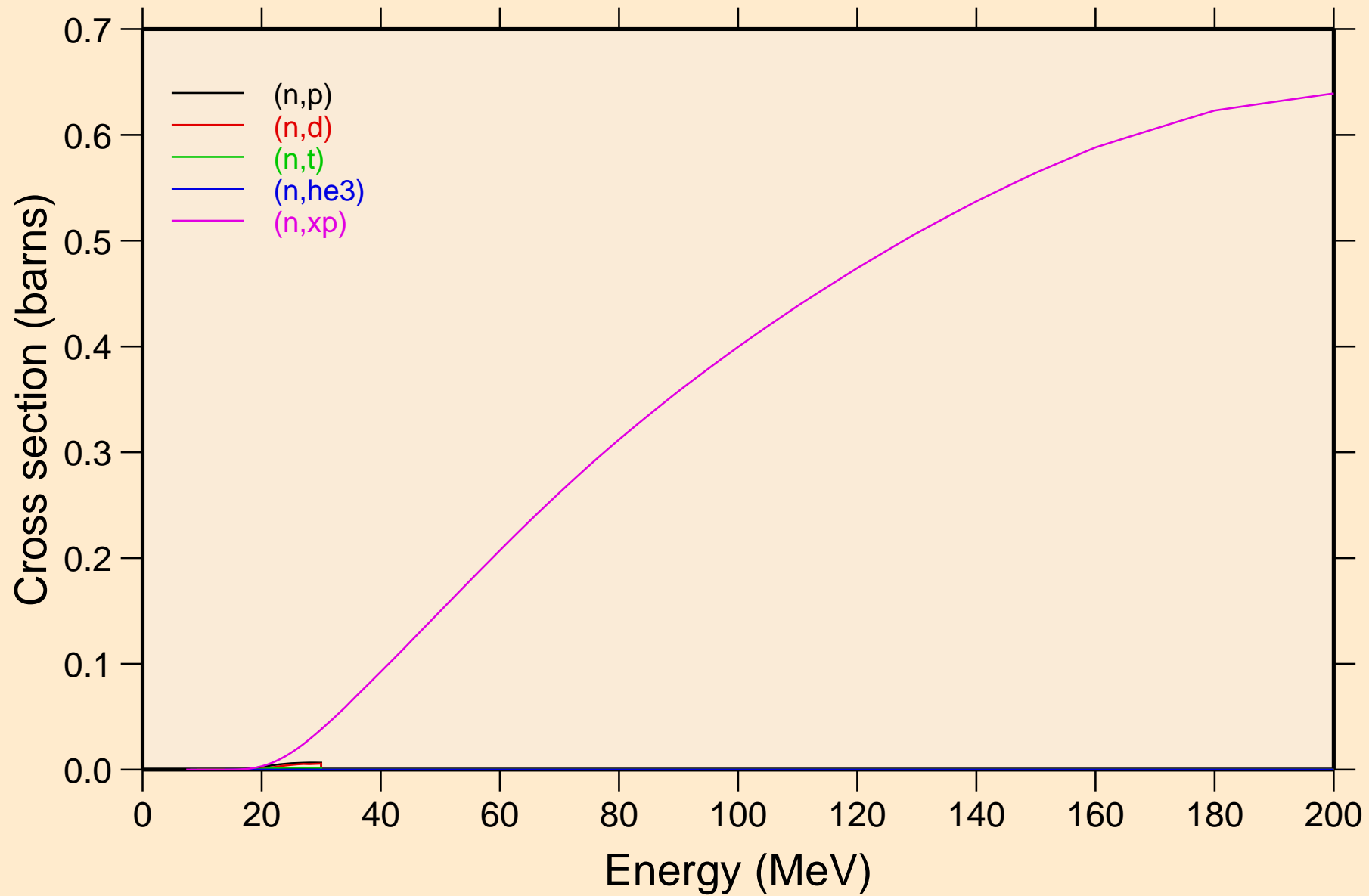
DY172 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



DY172 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions

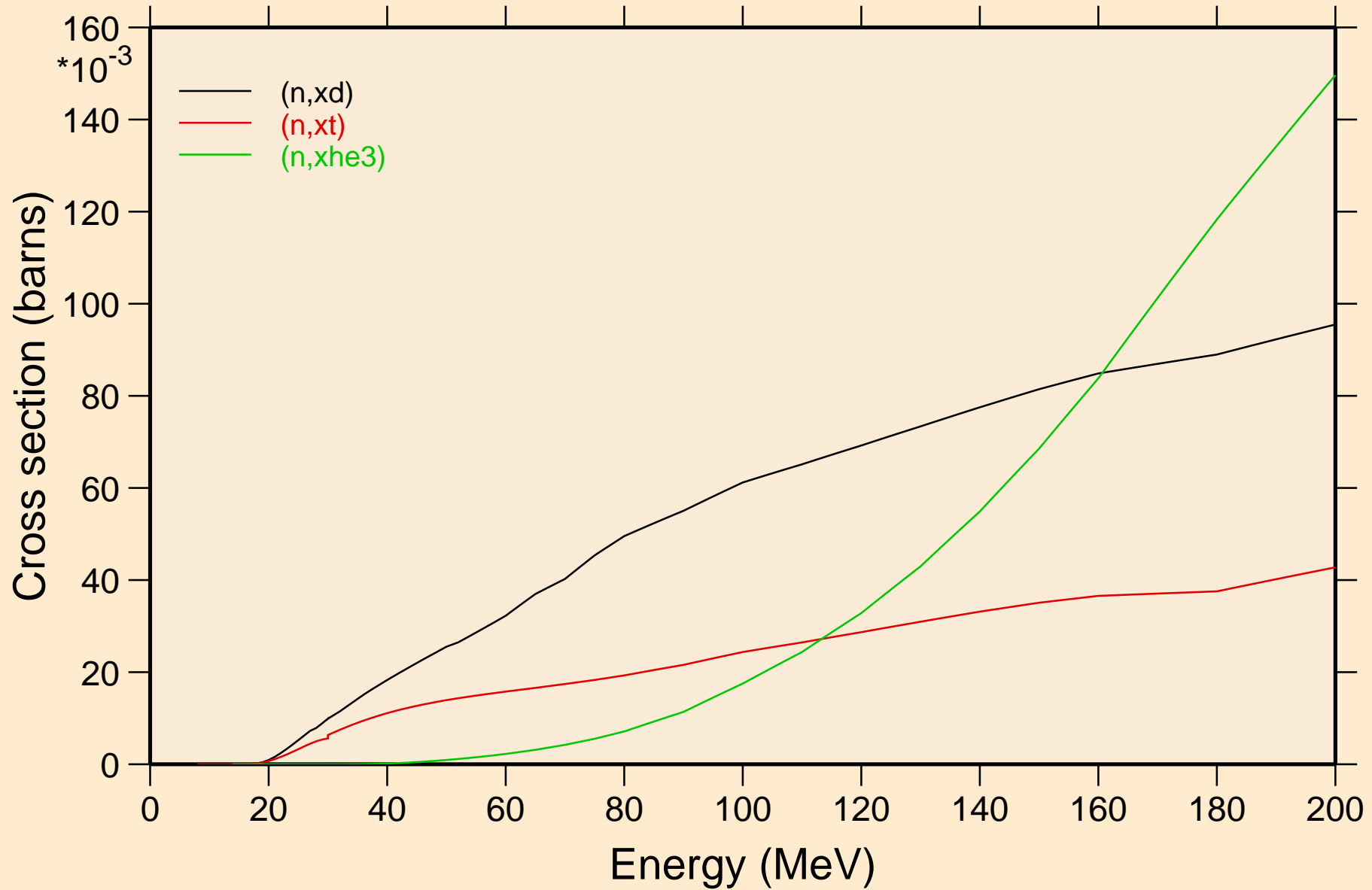


DY172 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions

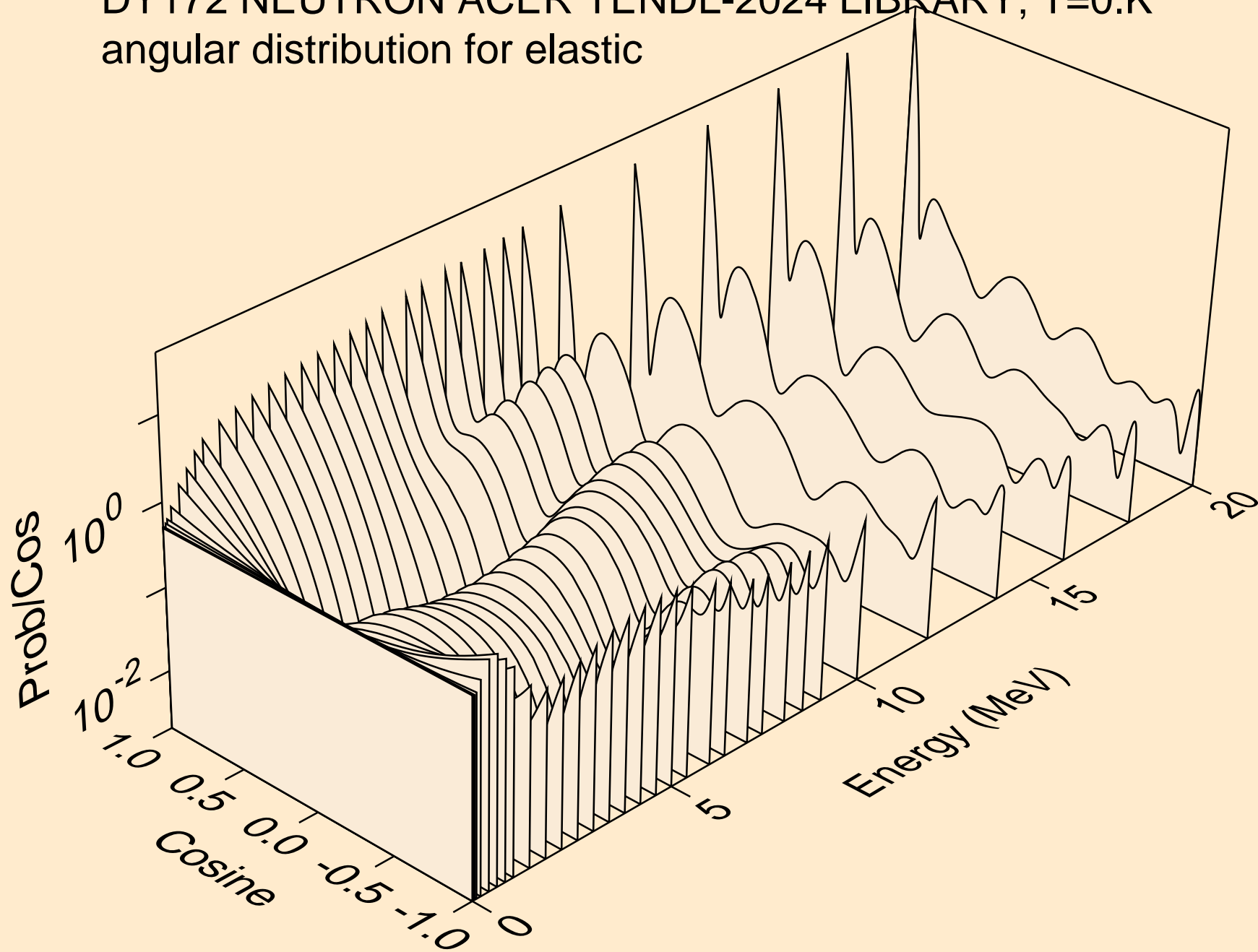




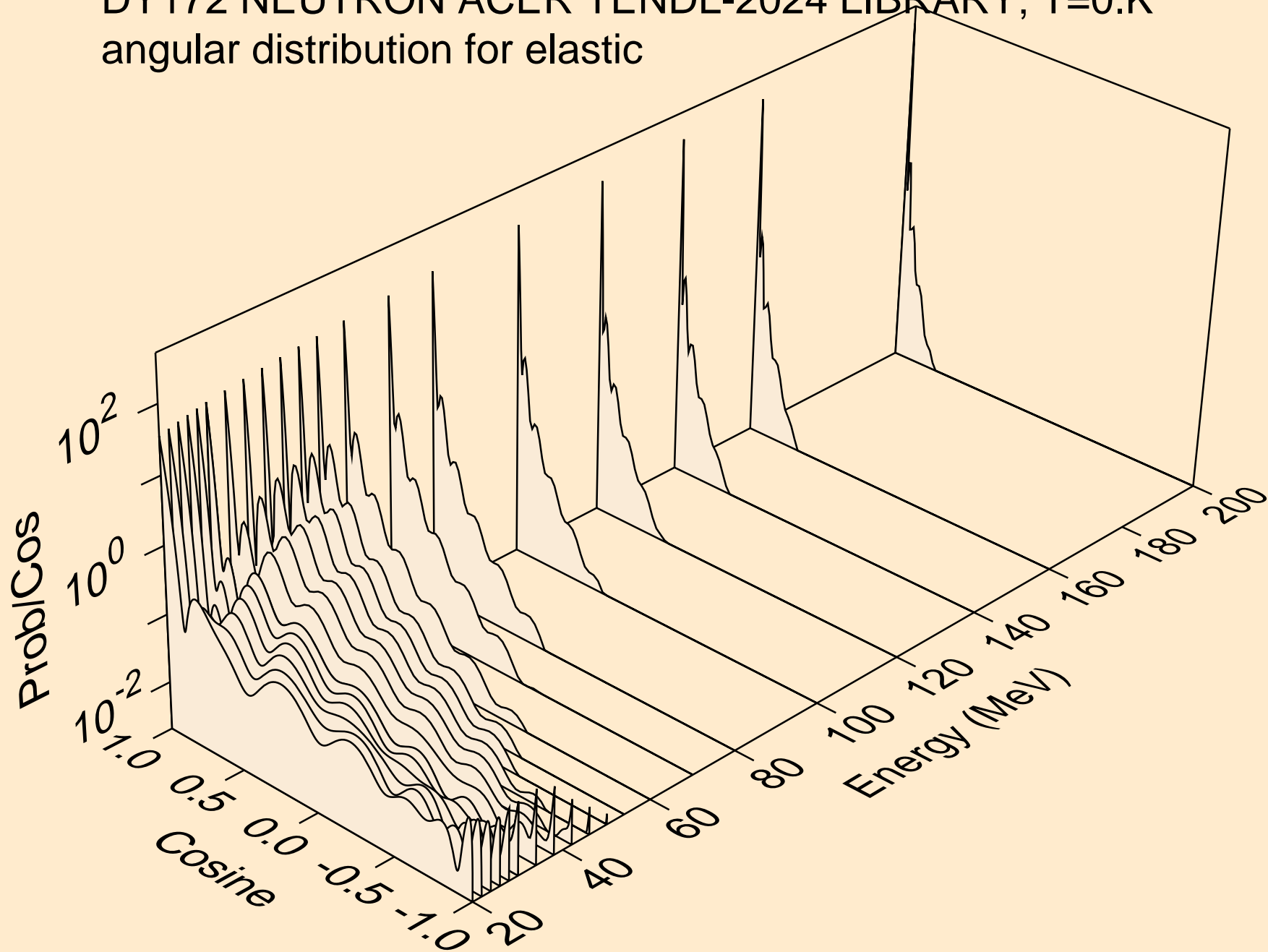
DY172 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



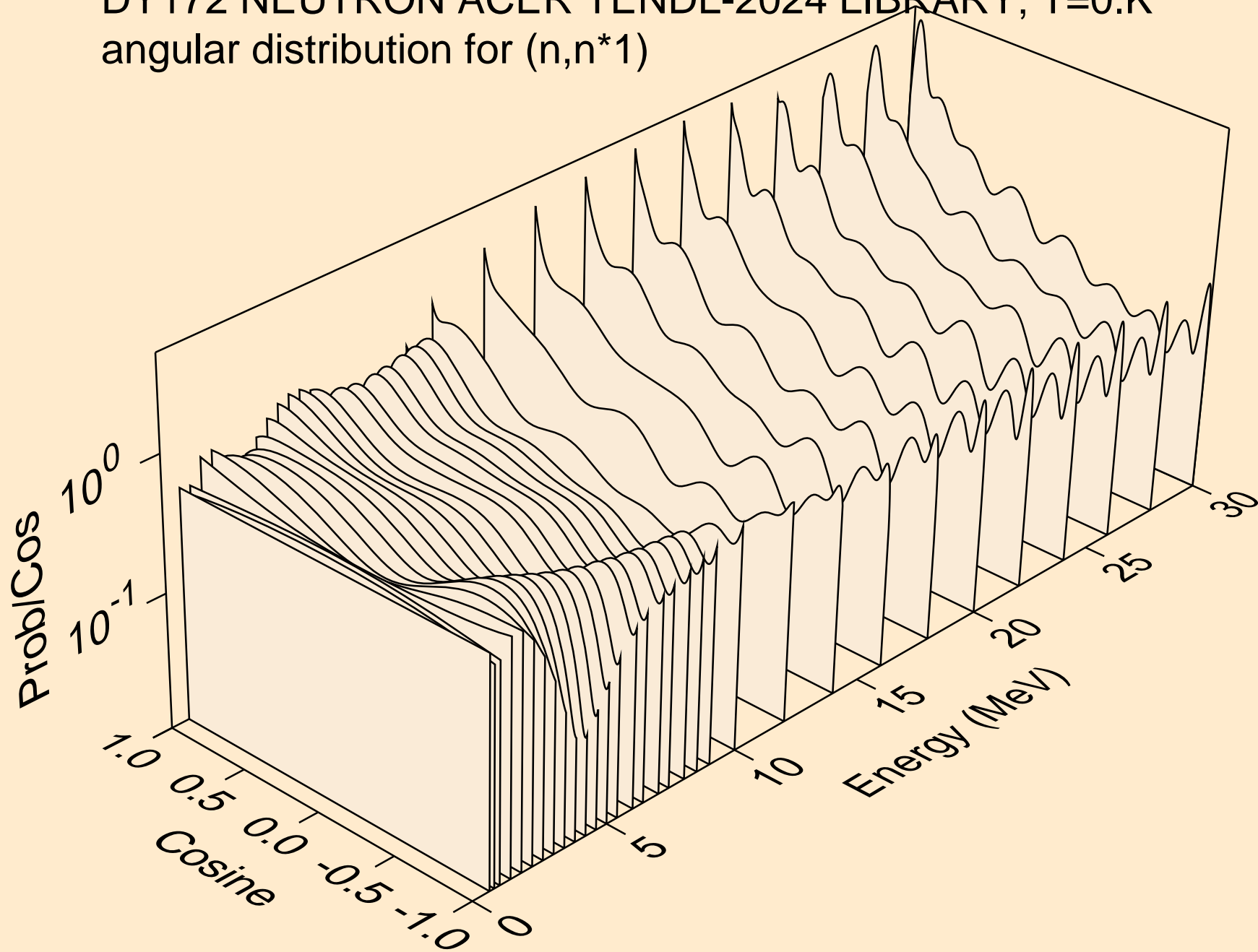
DY172 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



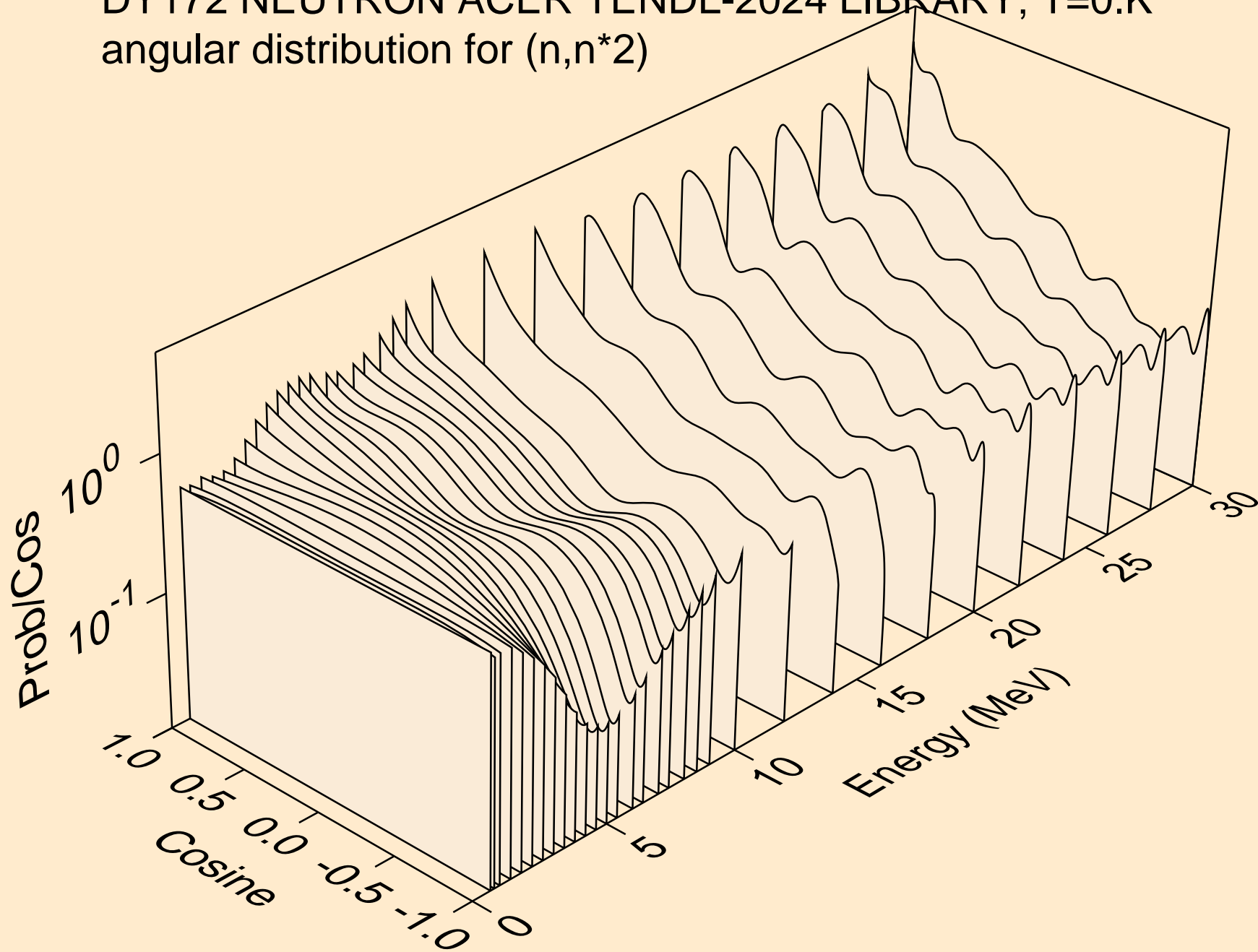
DY172 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



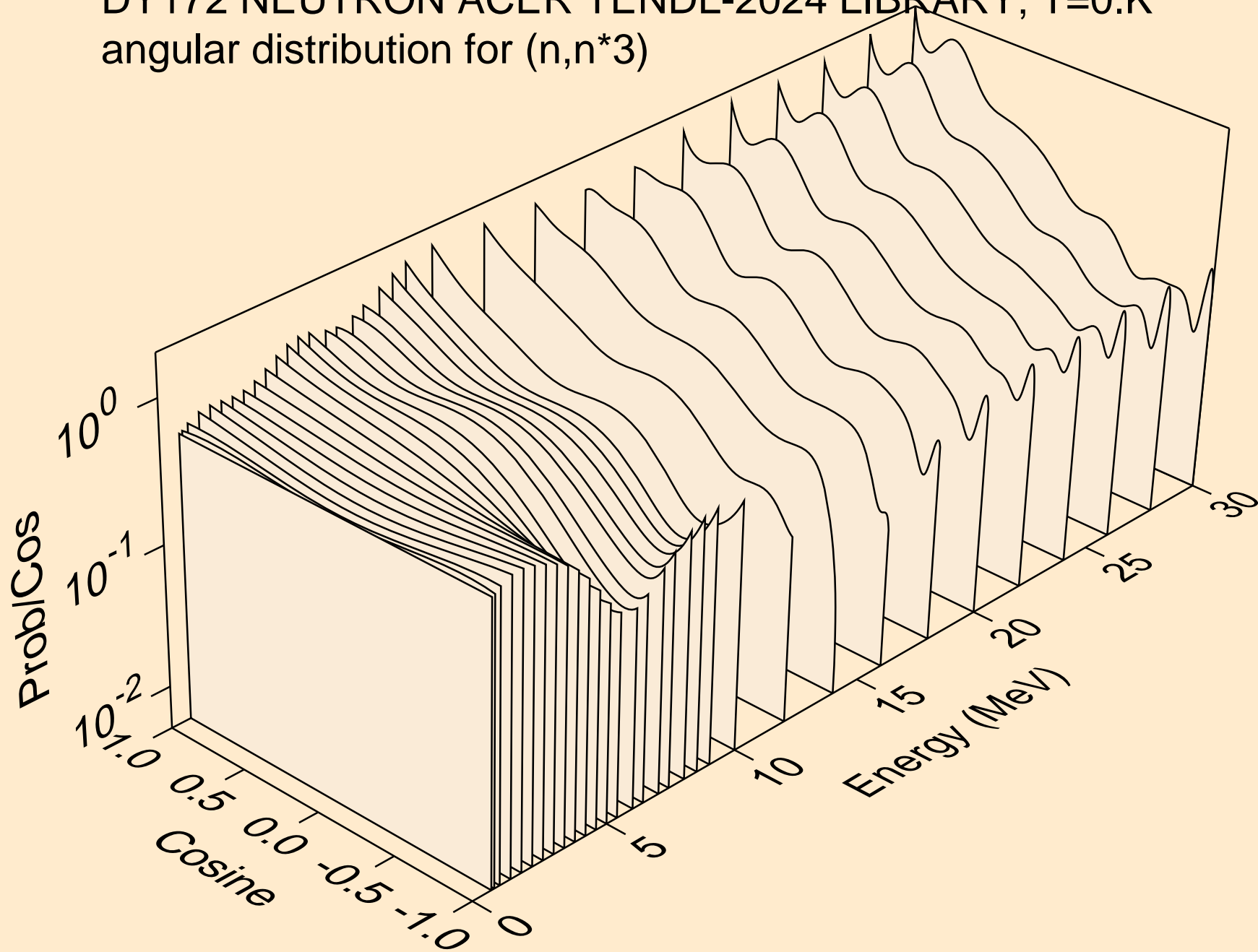
DY172 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



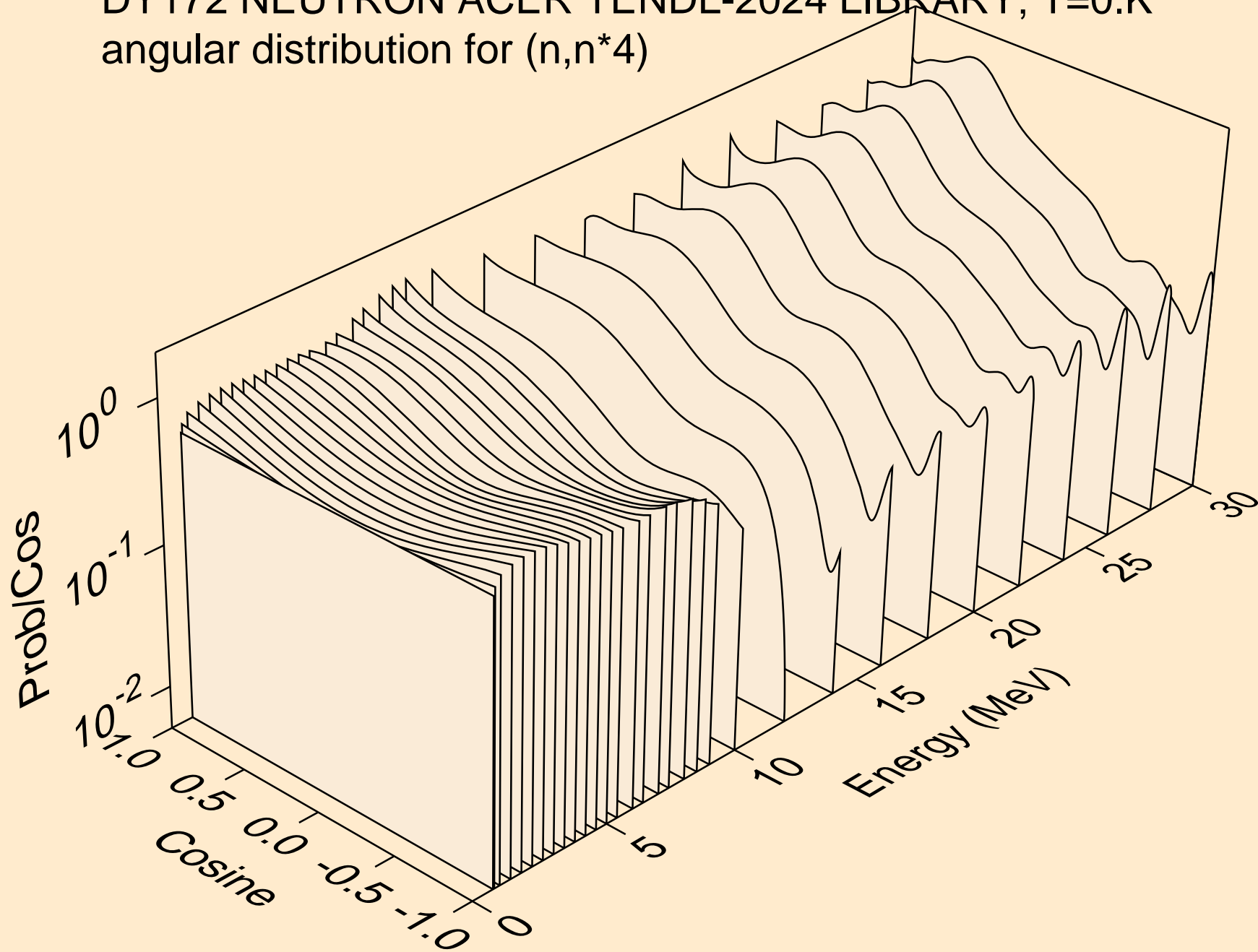
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angular distribution for (n,n\*2)



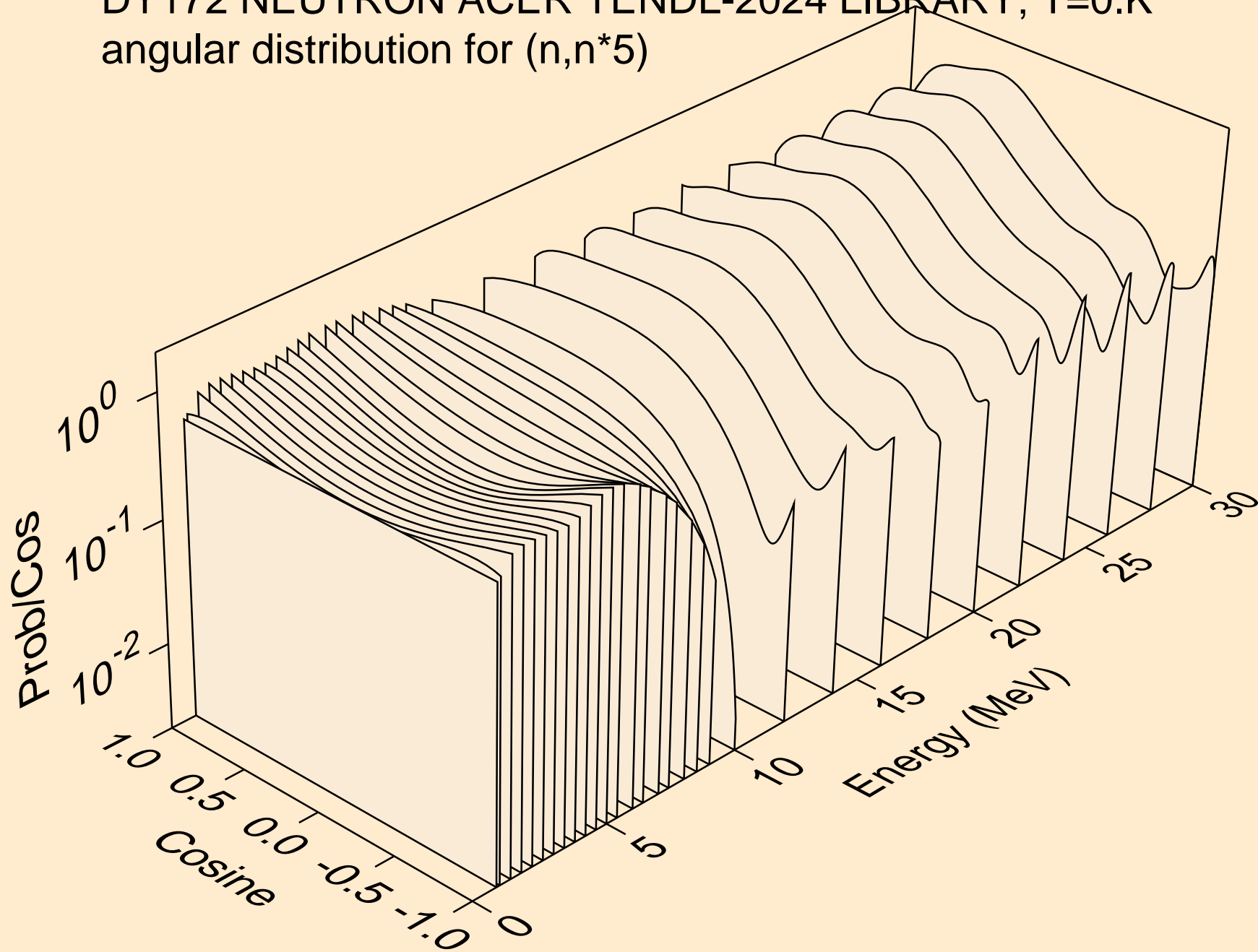
DY172 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*3)



DY172 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*4)

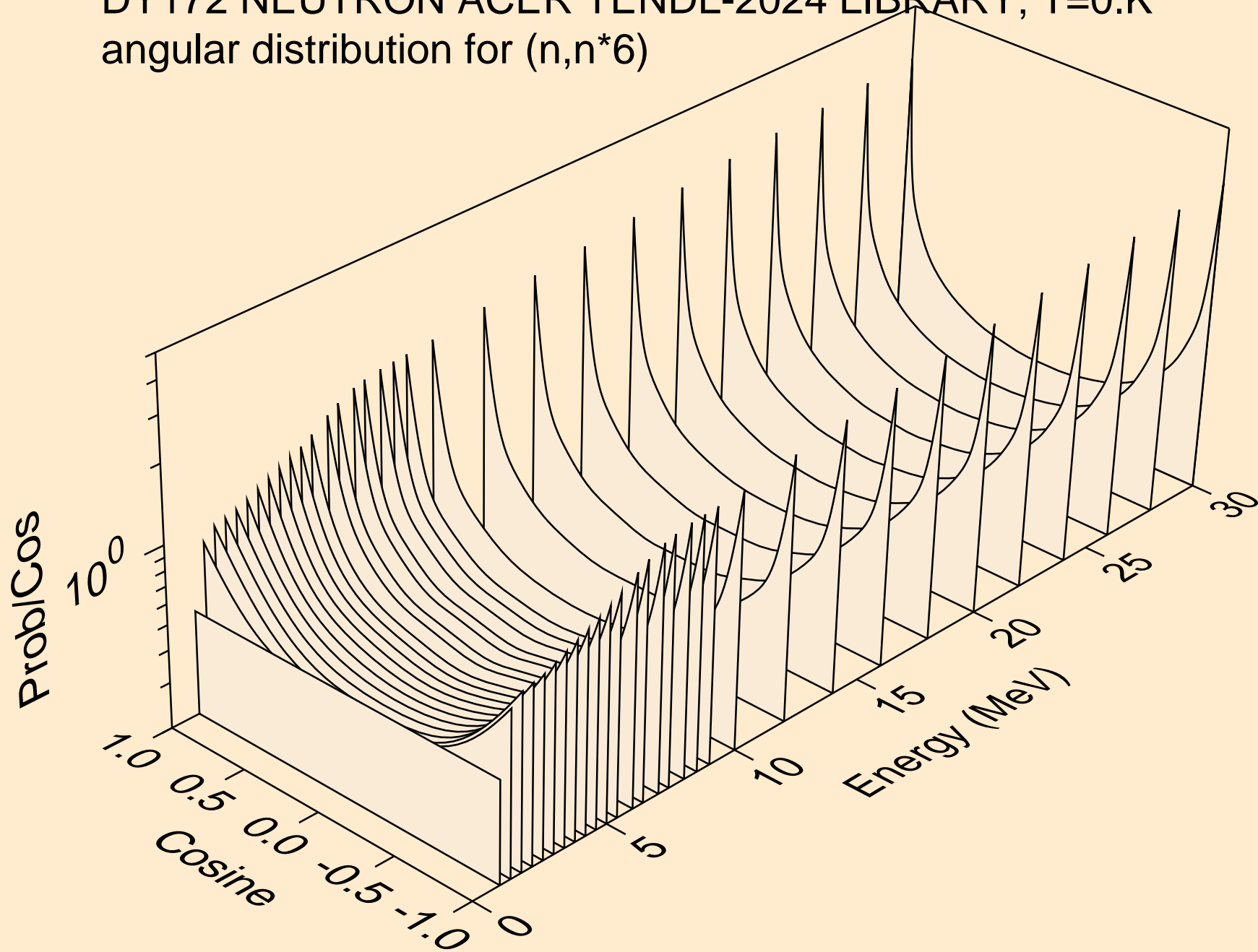


DY172 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*5)

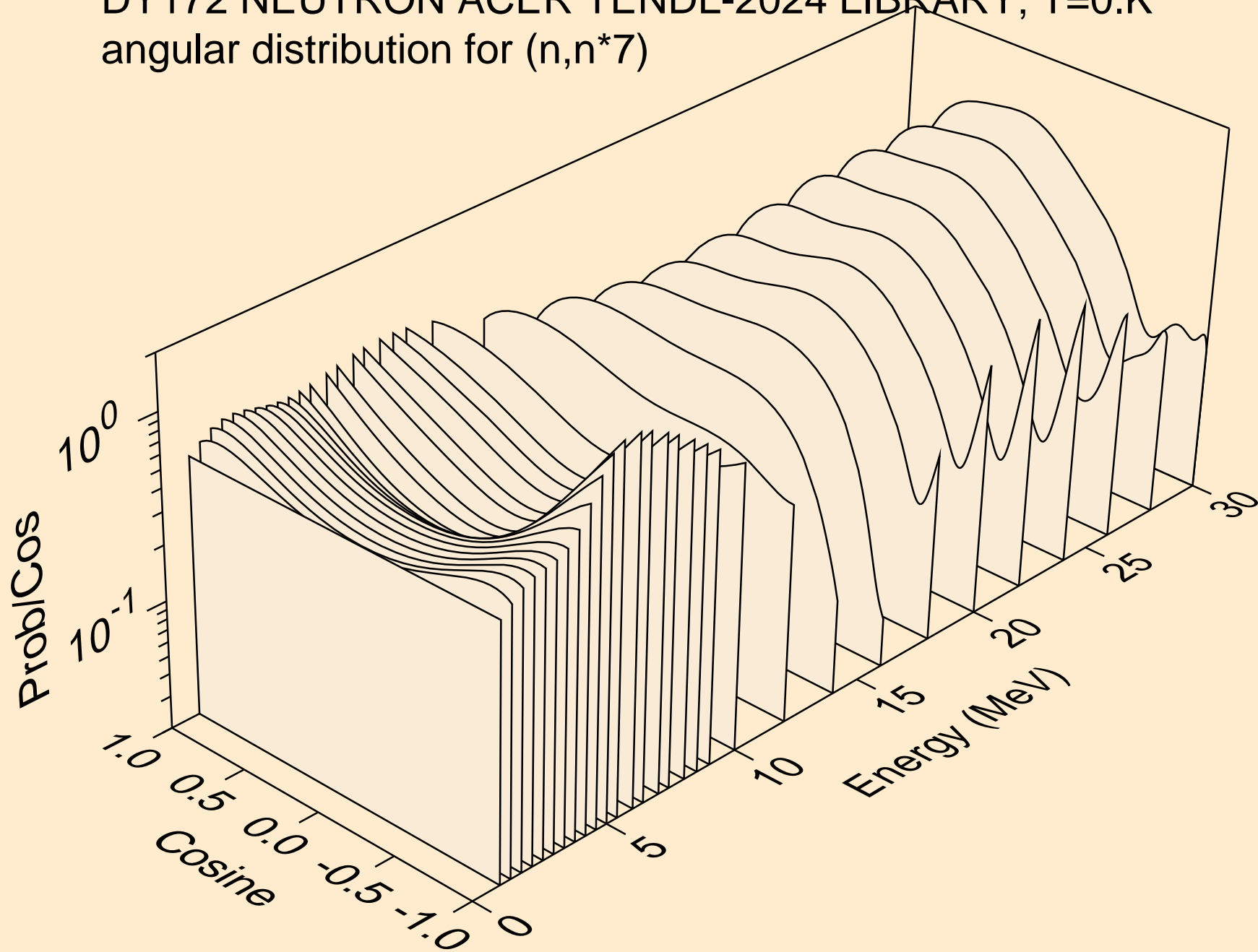




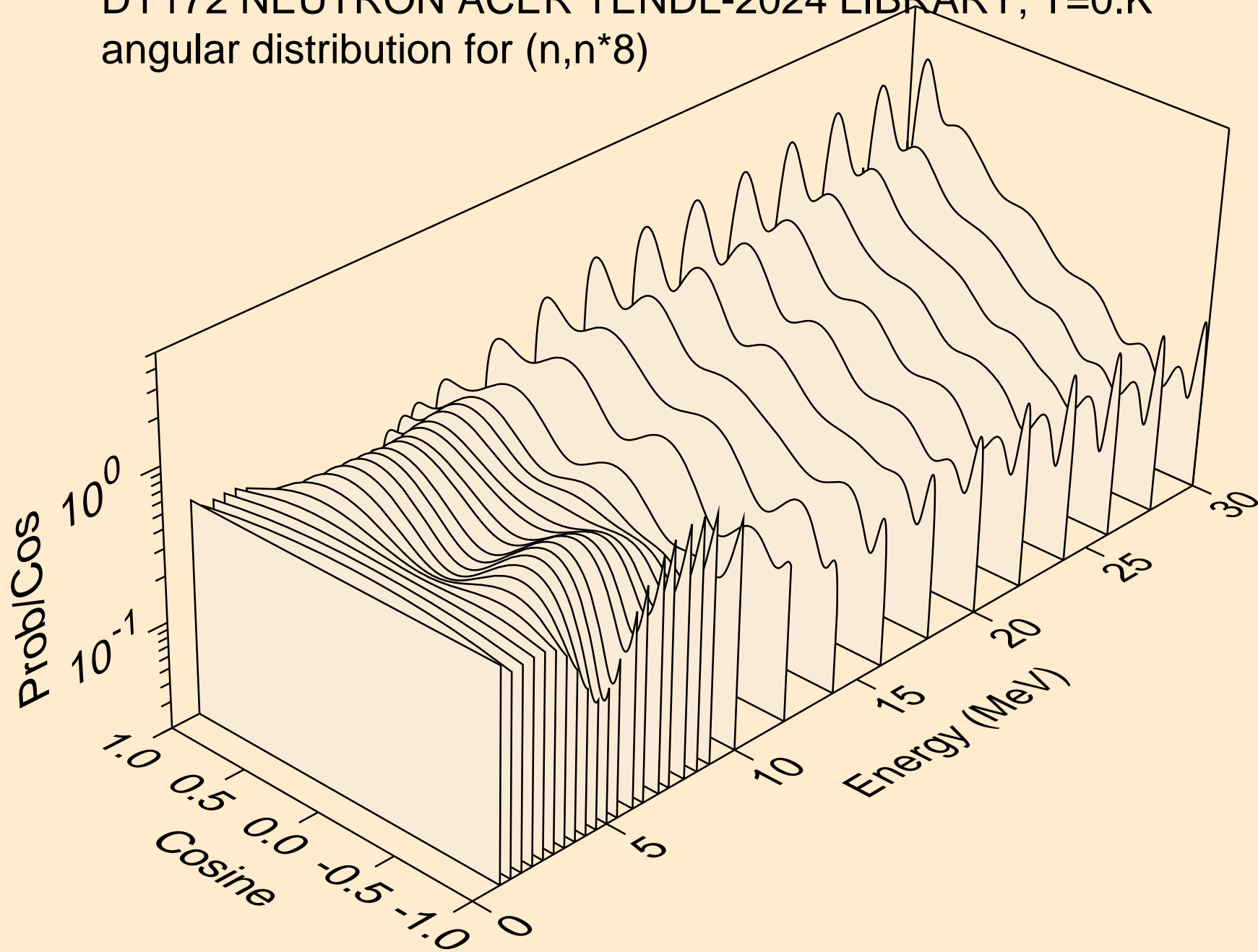
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angular distribution for (n,n\*6)



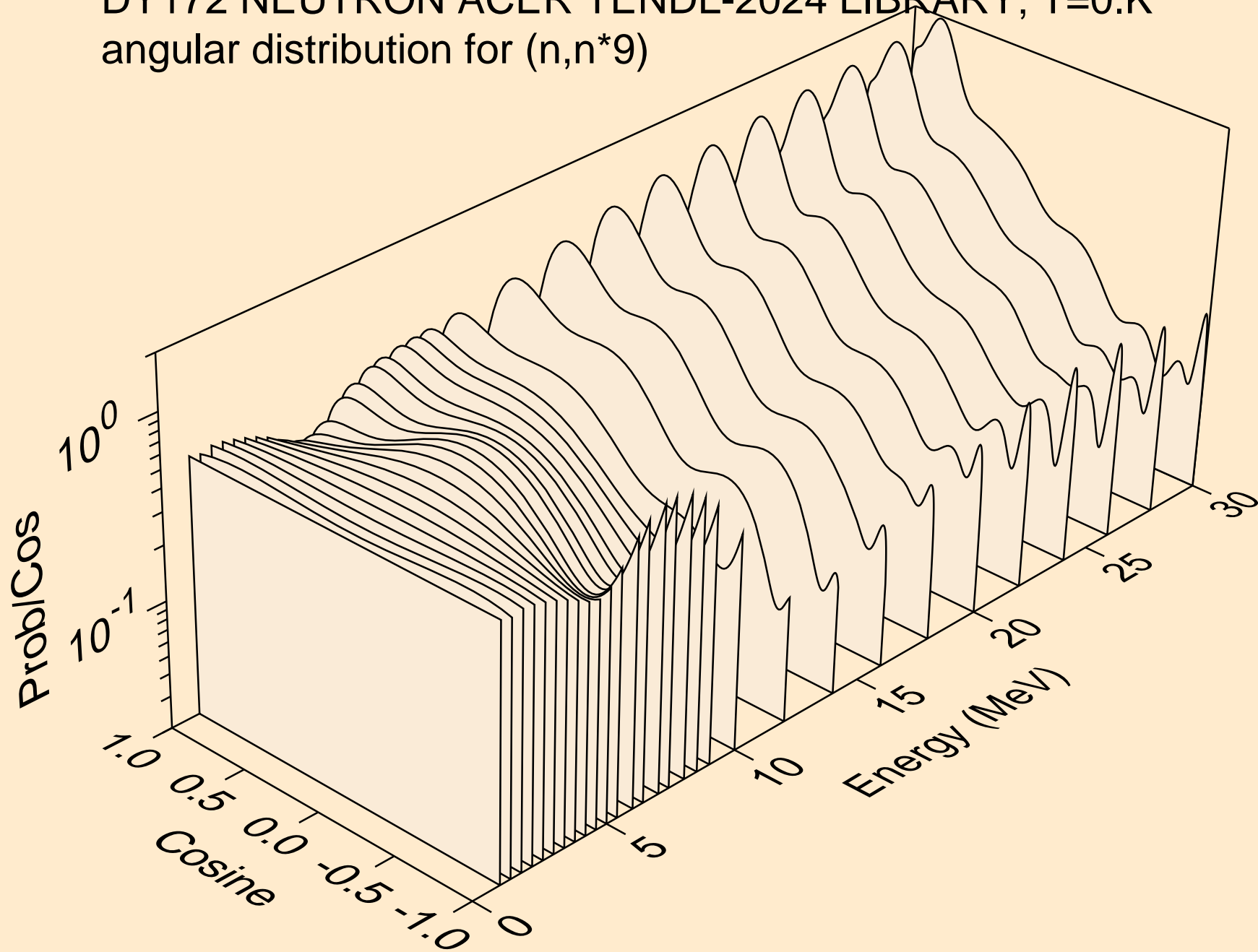
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angular distribution for (n,n\*7)



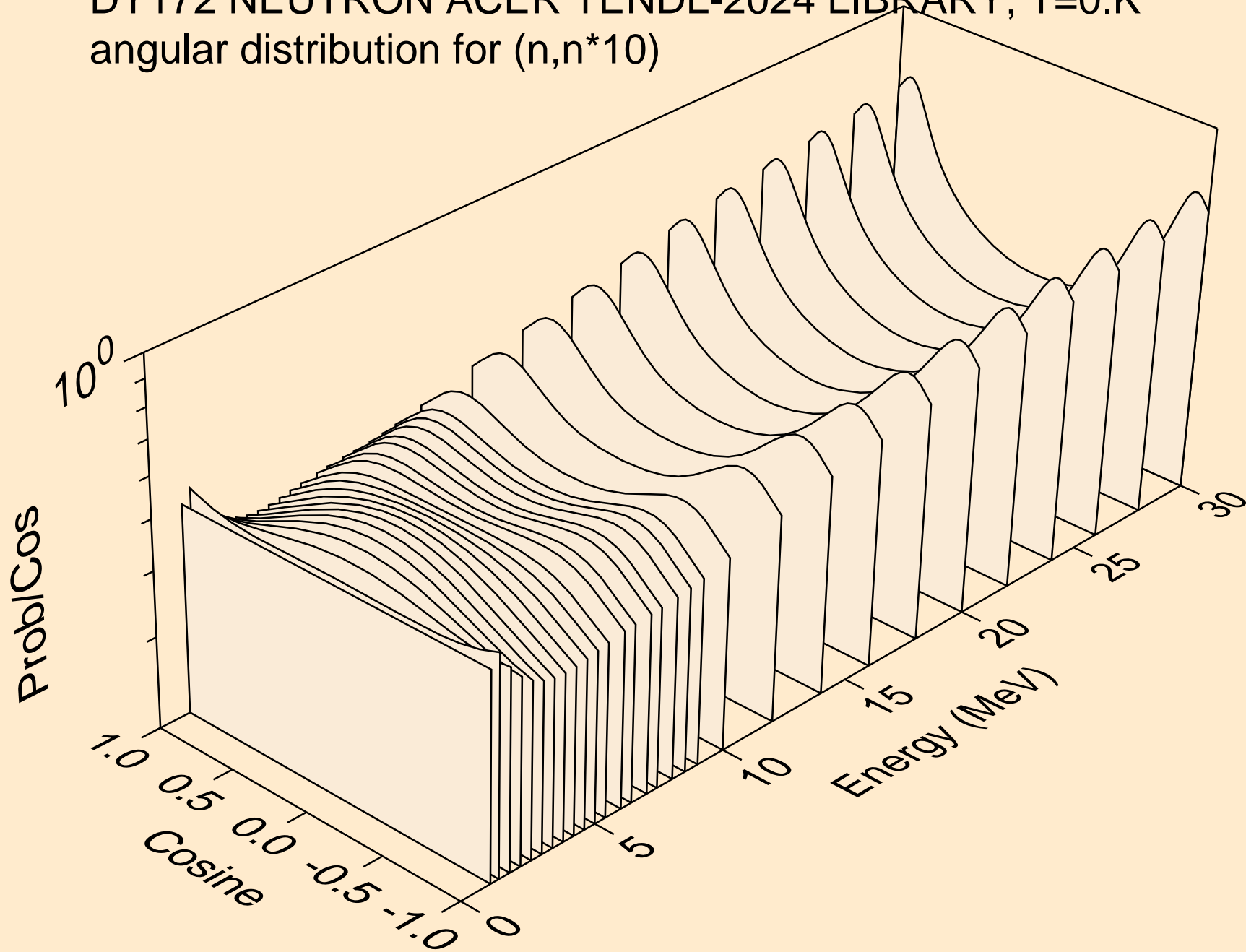
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angular distribution for (n,n\*8)



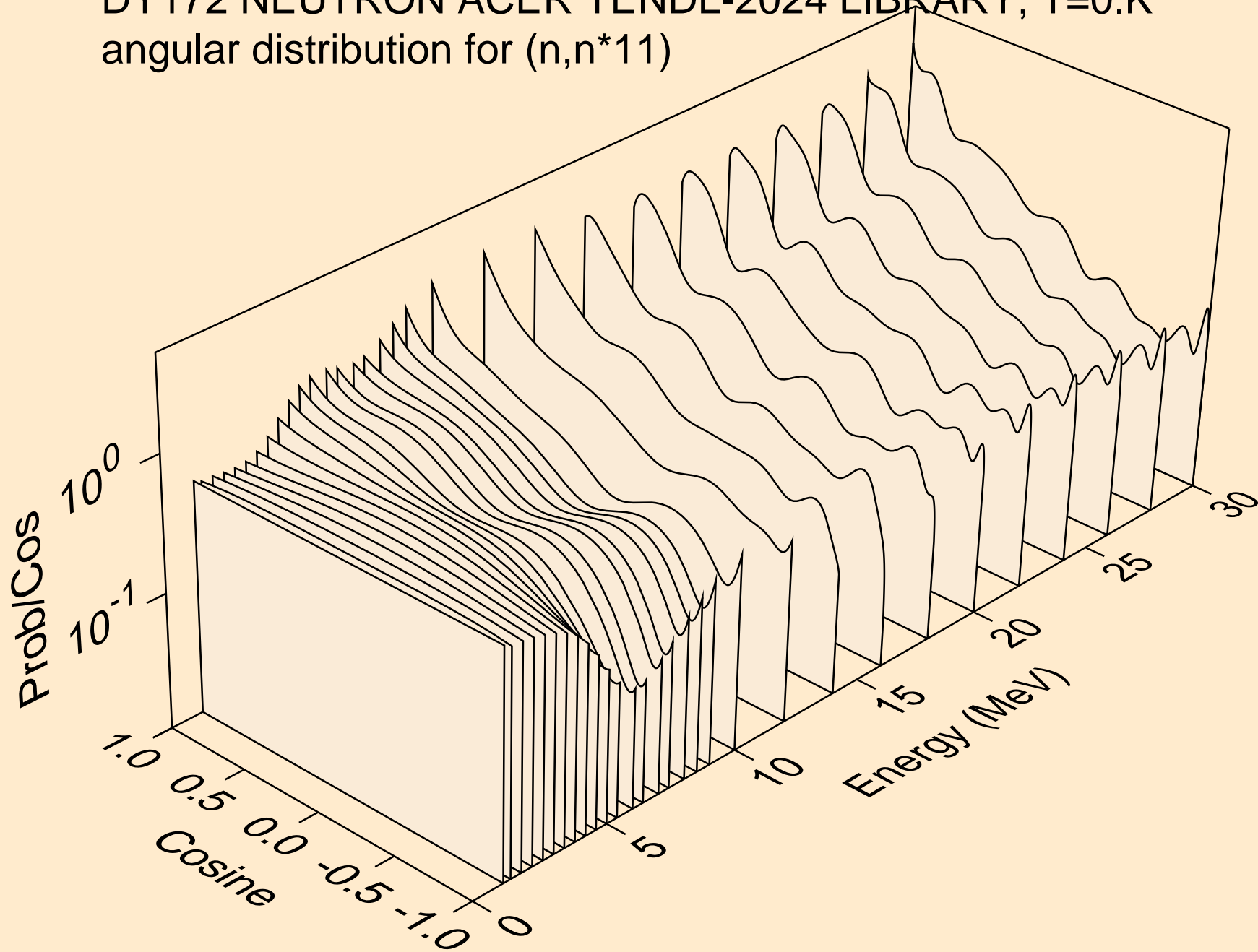
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angular distribution for (n,n\*9)



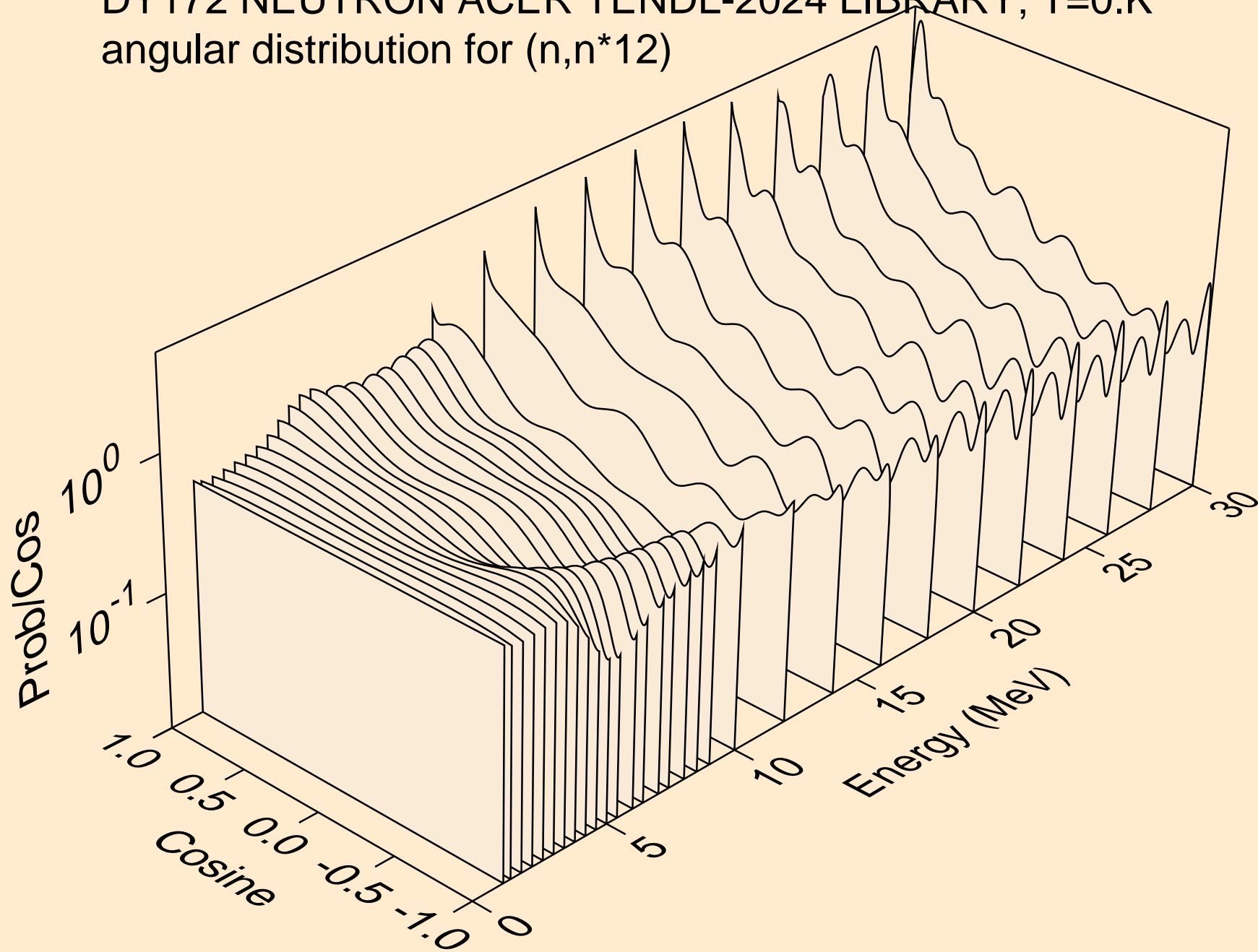
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angular distribution for (n,n\*10)



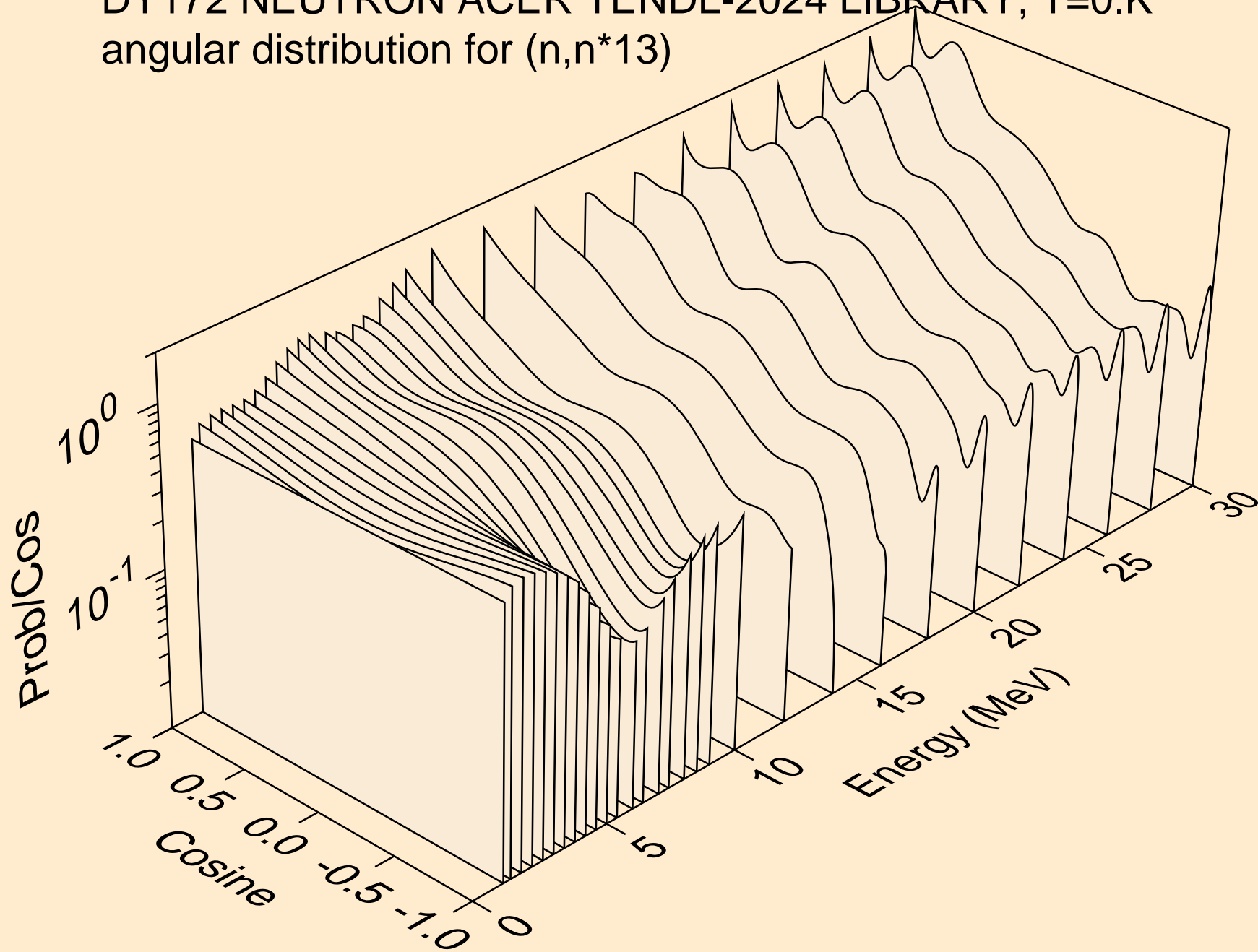
DY172 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*11)



DY172 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*12)

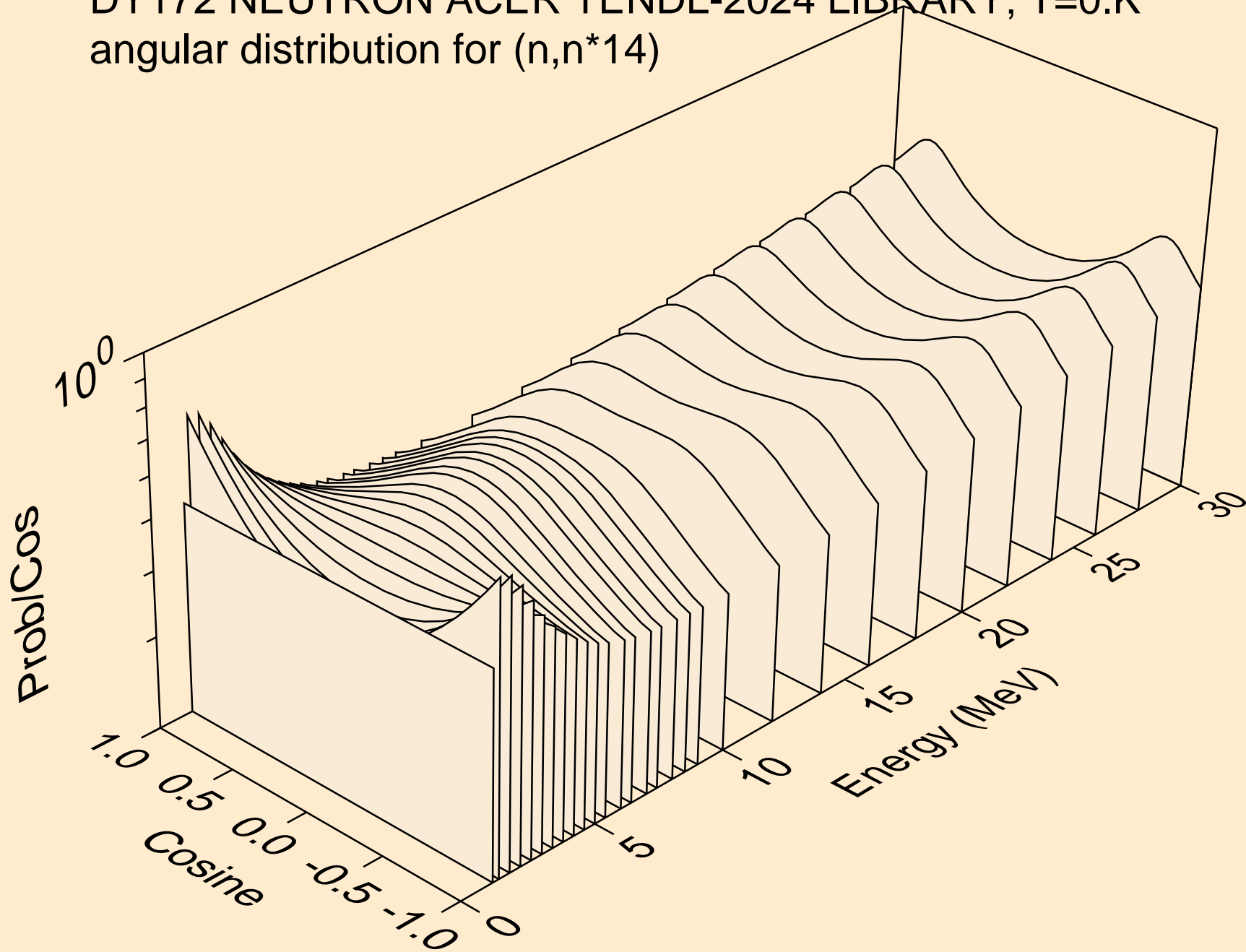


DY172 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*13)

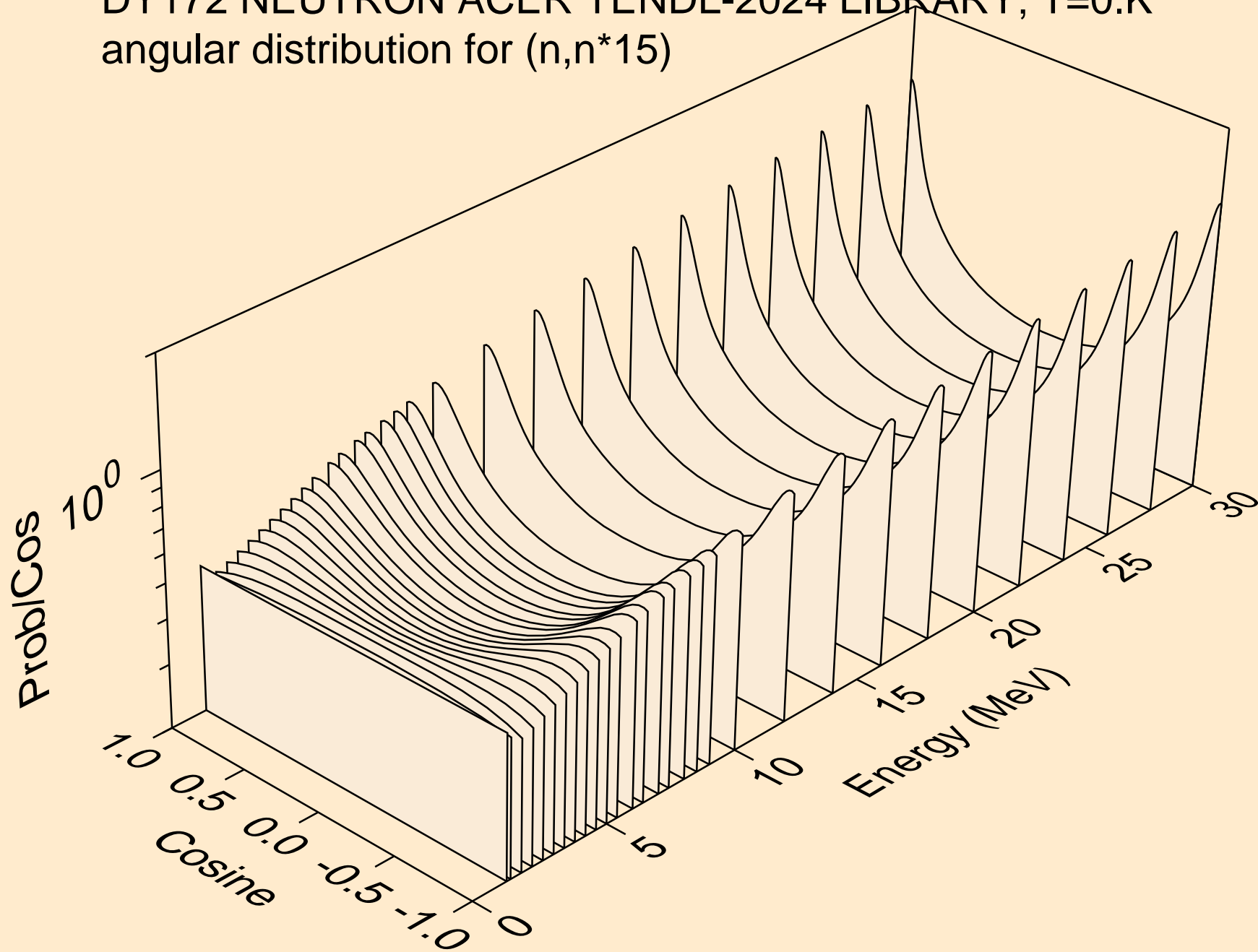




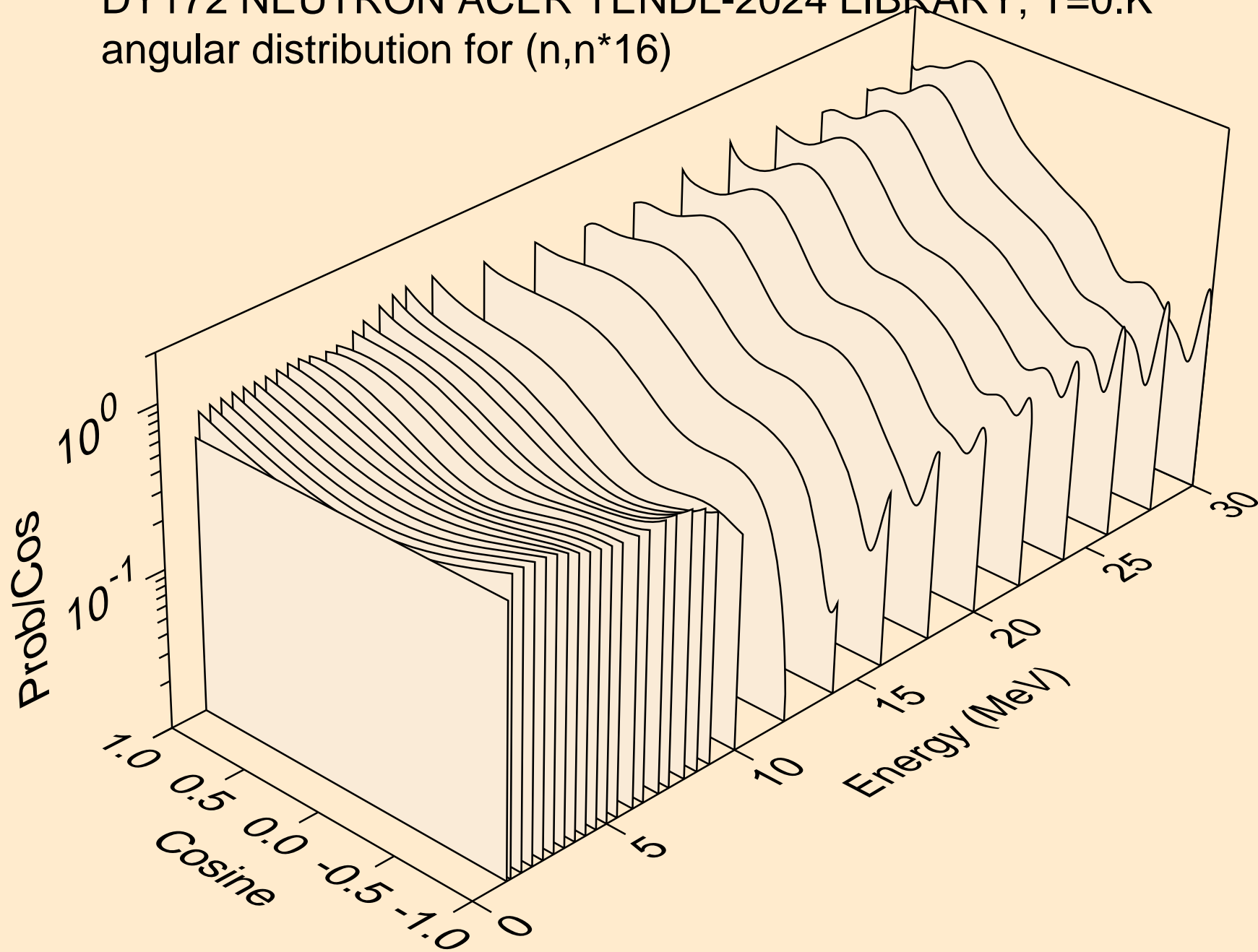
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angular distribution for (n,n\*14)



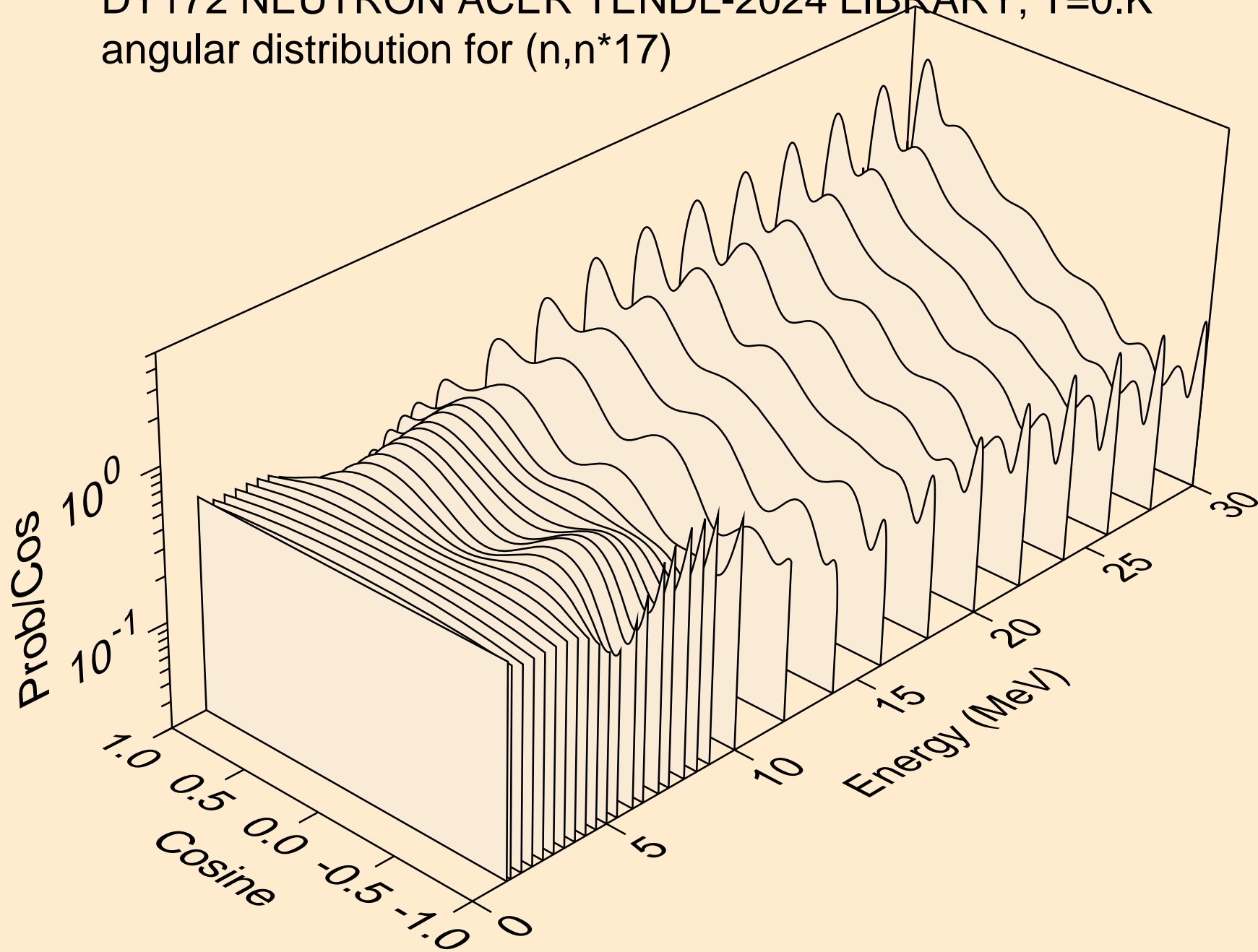
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angular distribution for (n,n\*15)



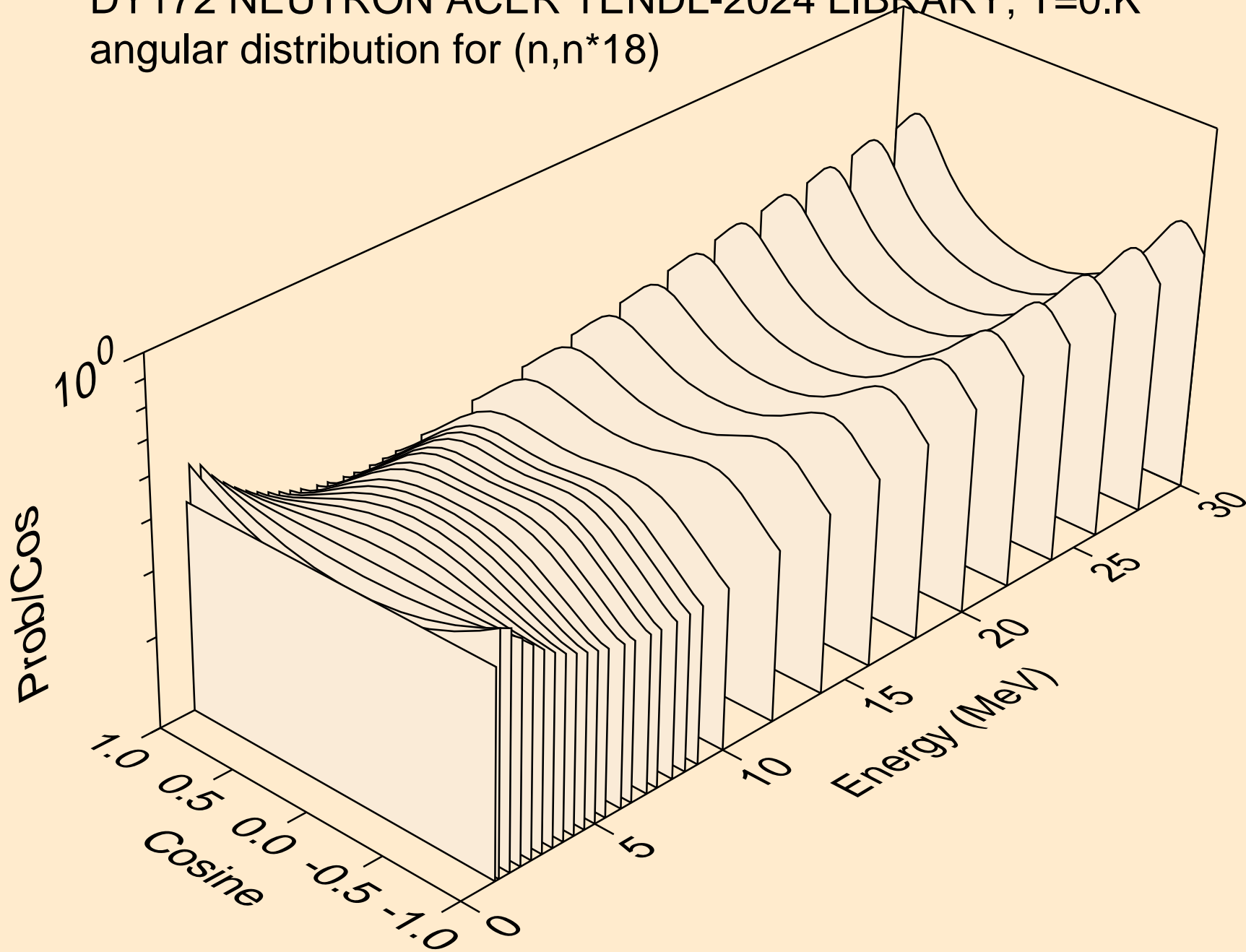
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angular distribution for (n,n\*16)



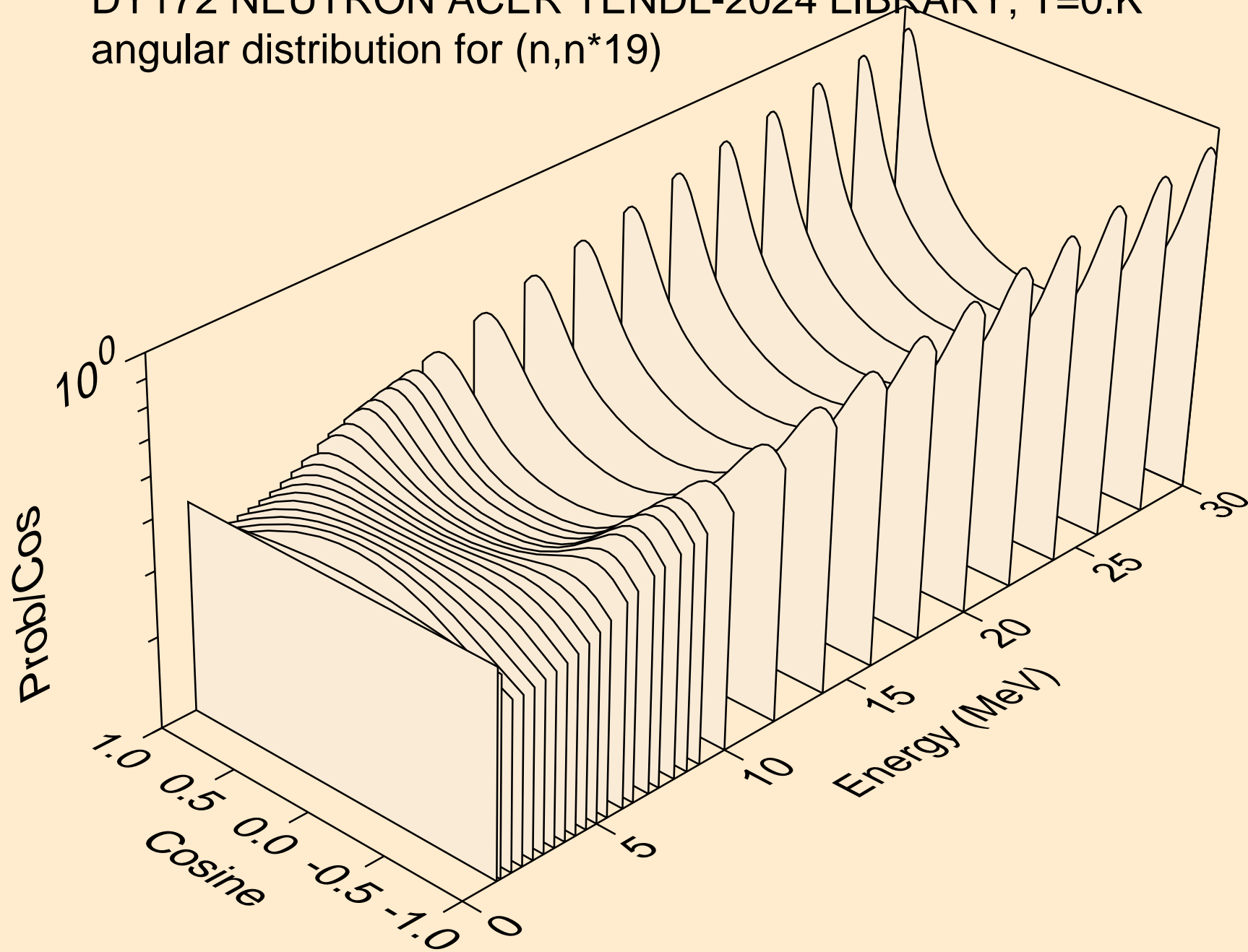
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angular distribution for (n,n\*17)



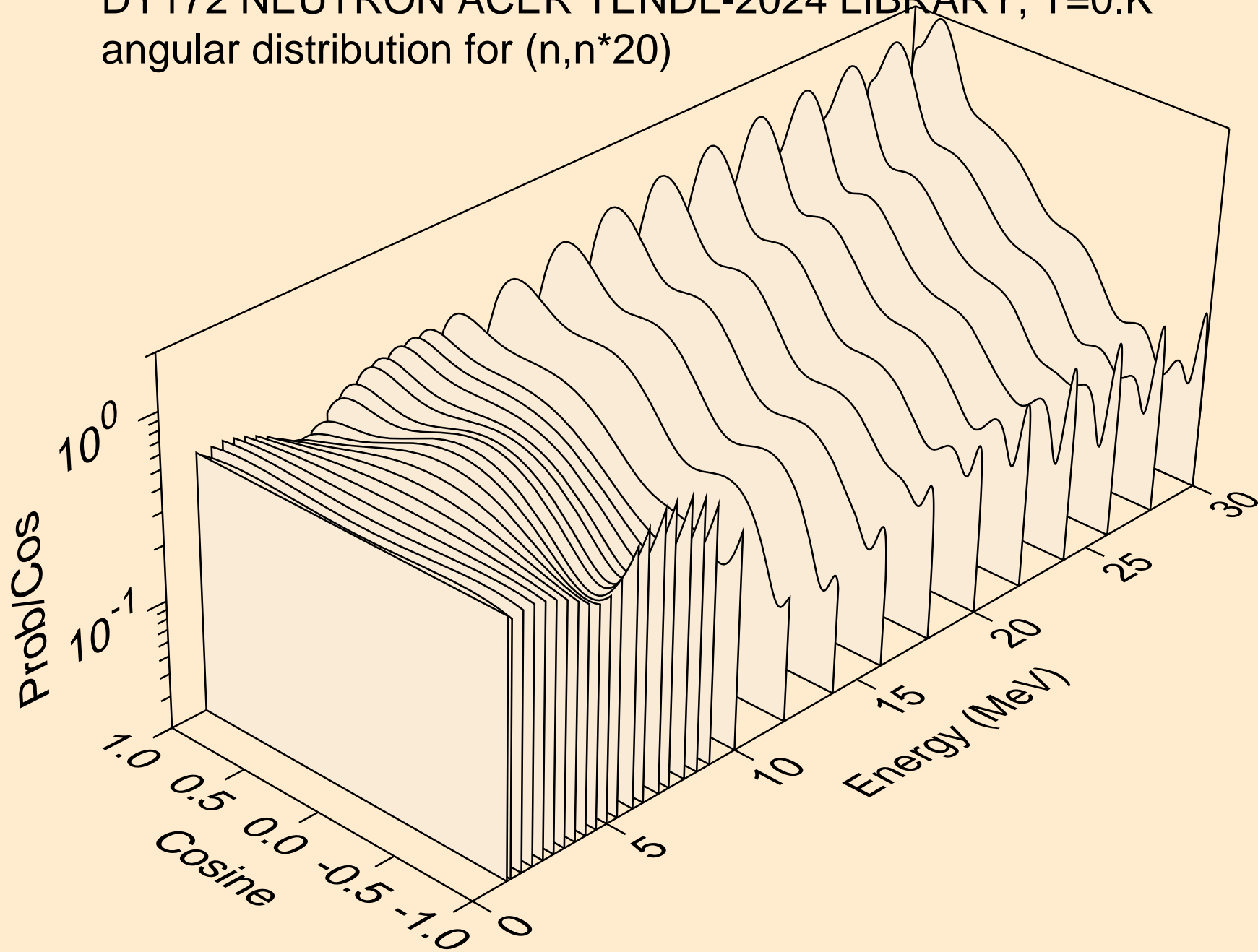
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angular distribution for (n,n\*18)



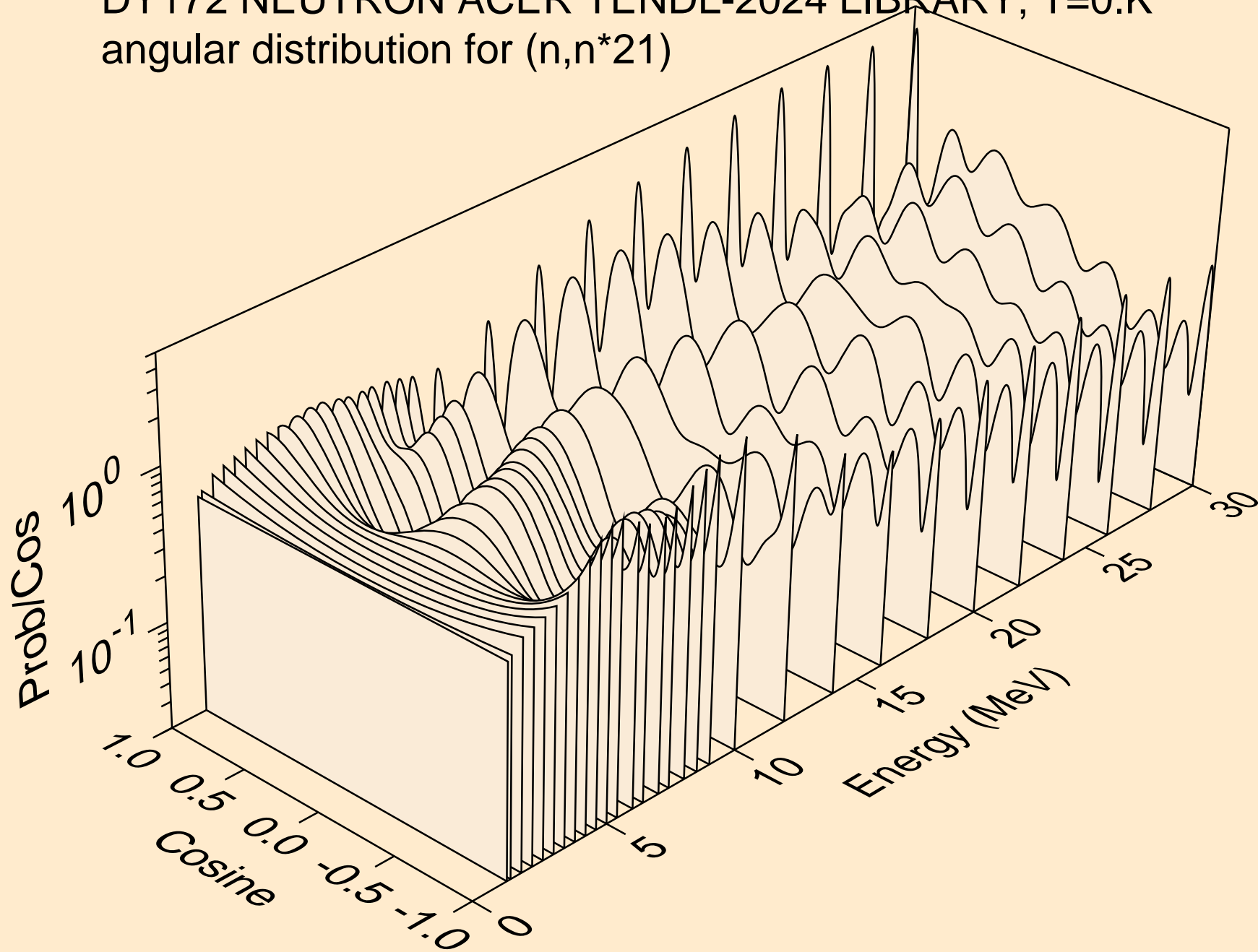
DY172 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*19)



DY172 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*20)

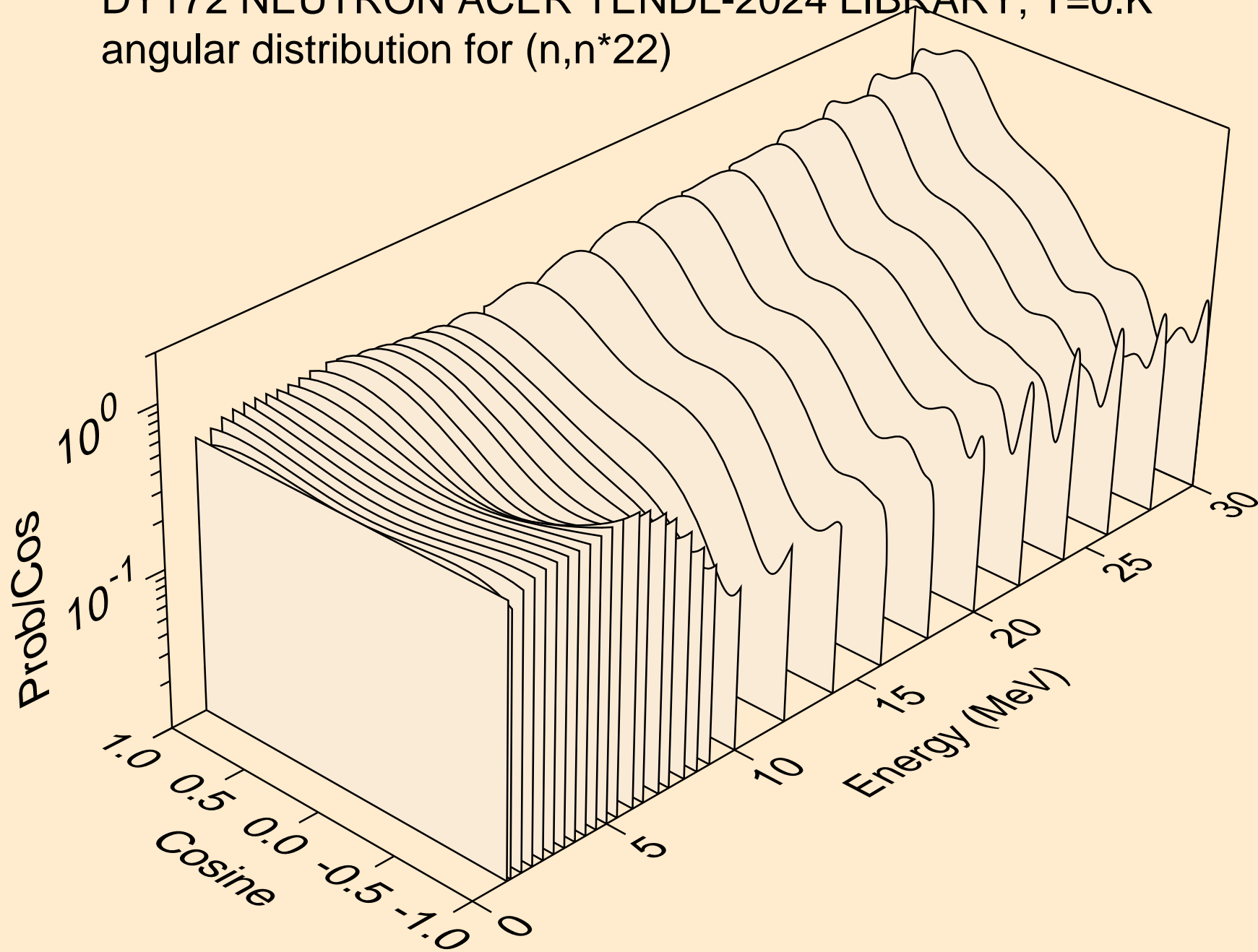


DY172 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*21)

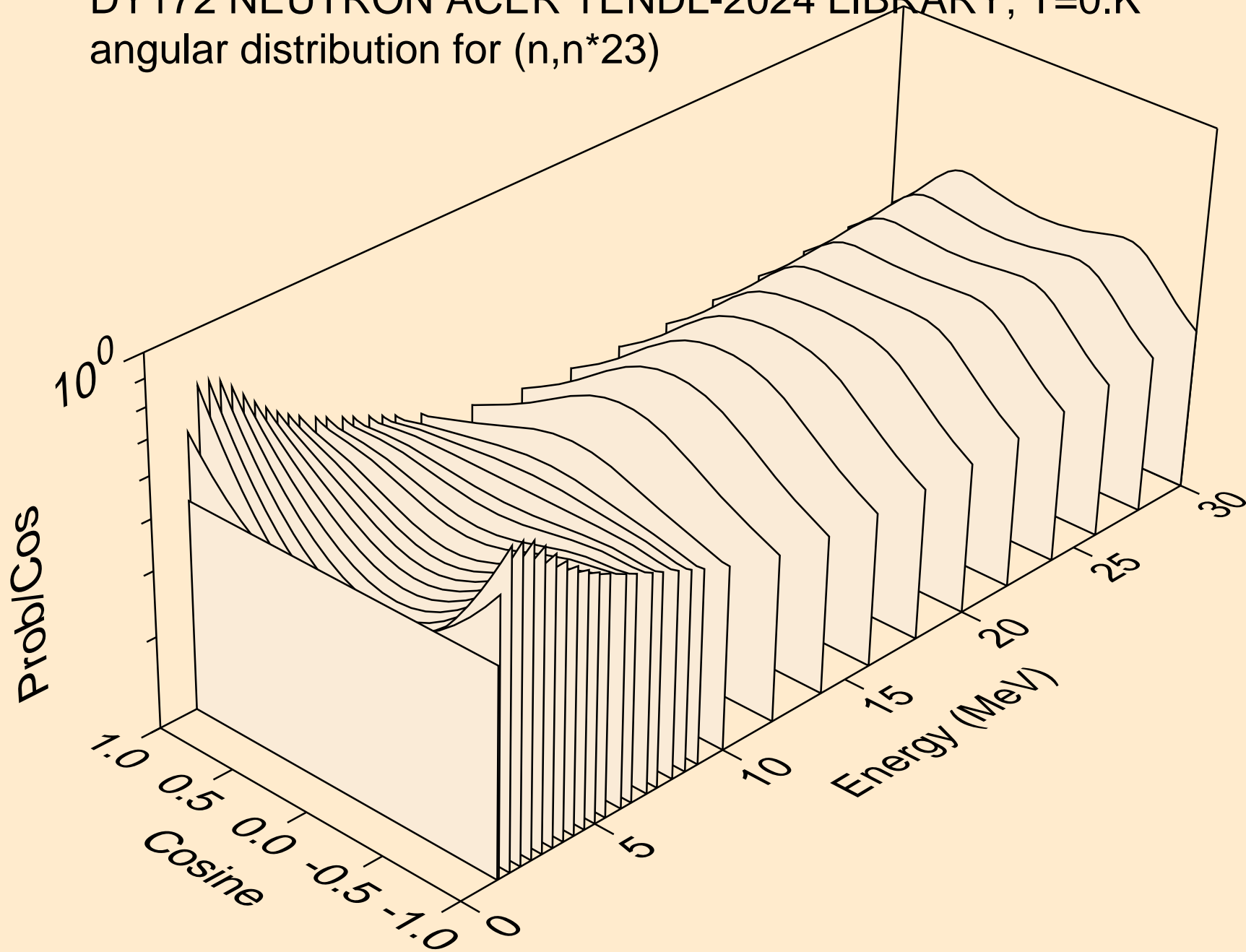




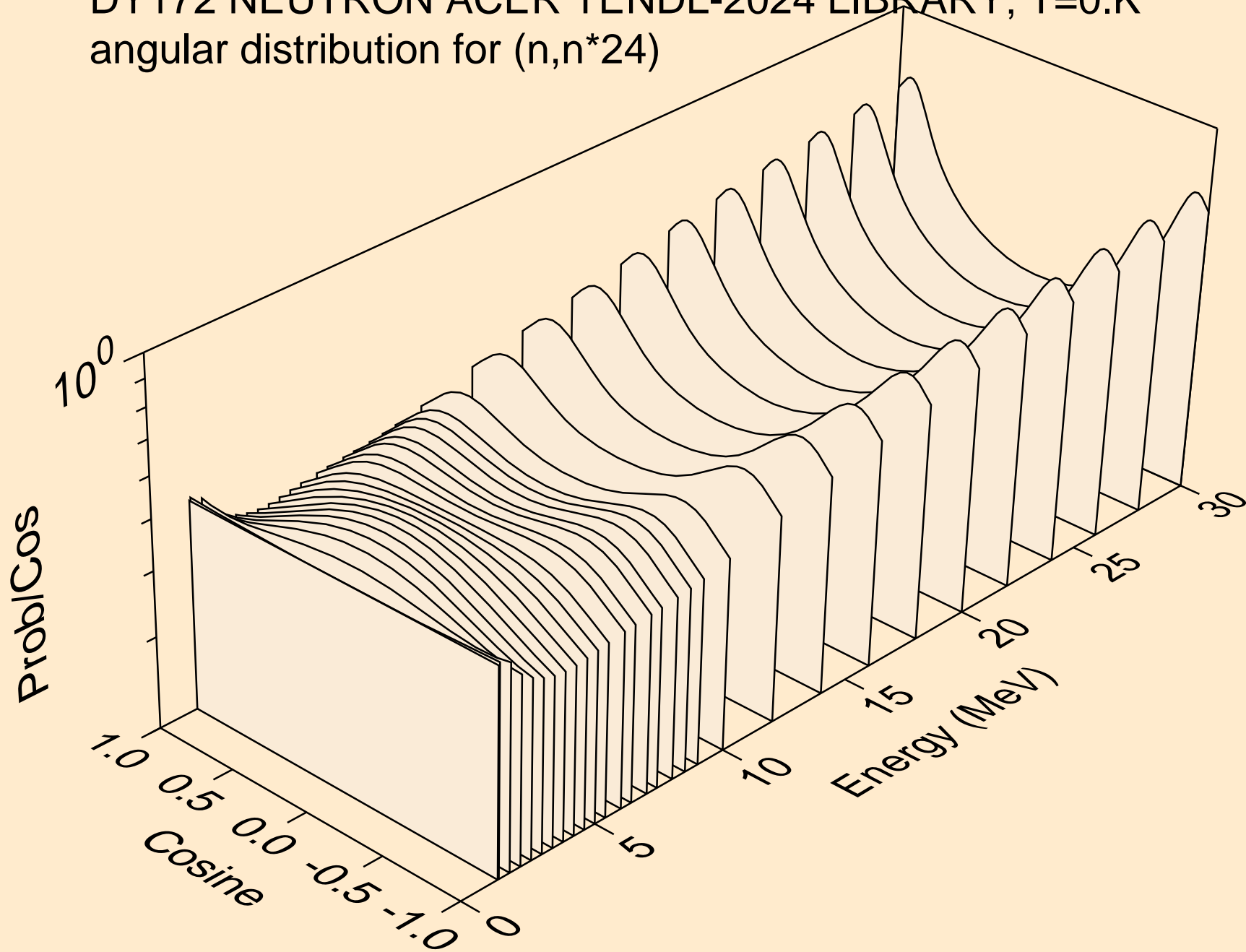
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angular distribution for (n,n\*22)



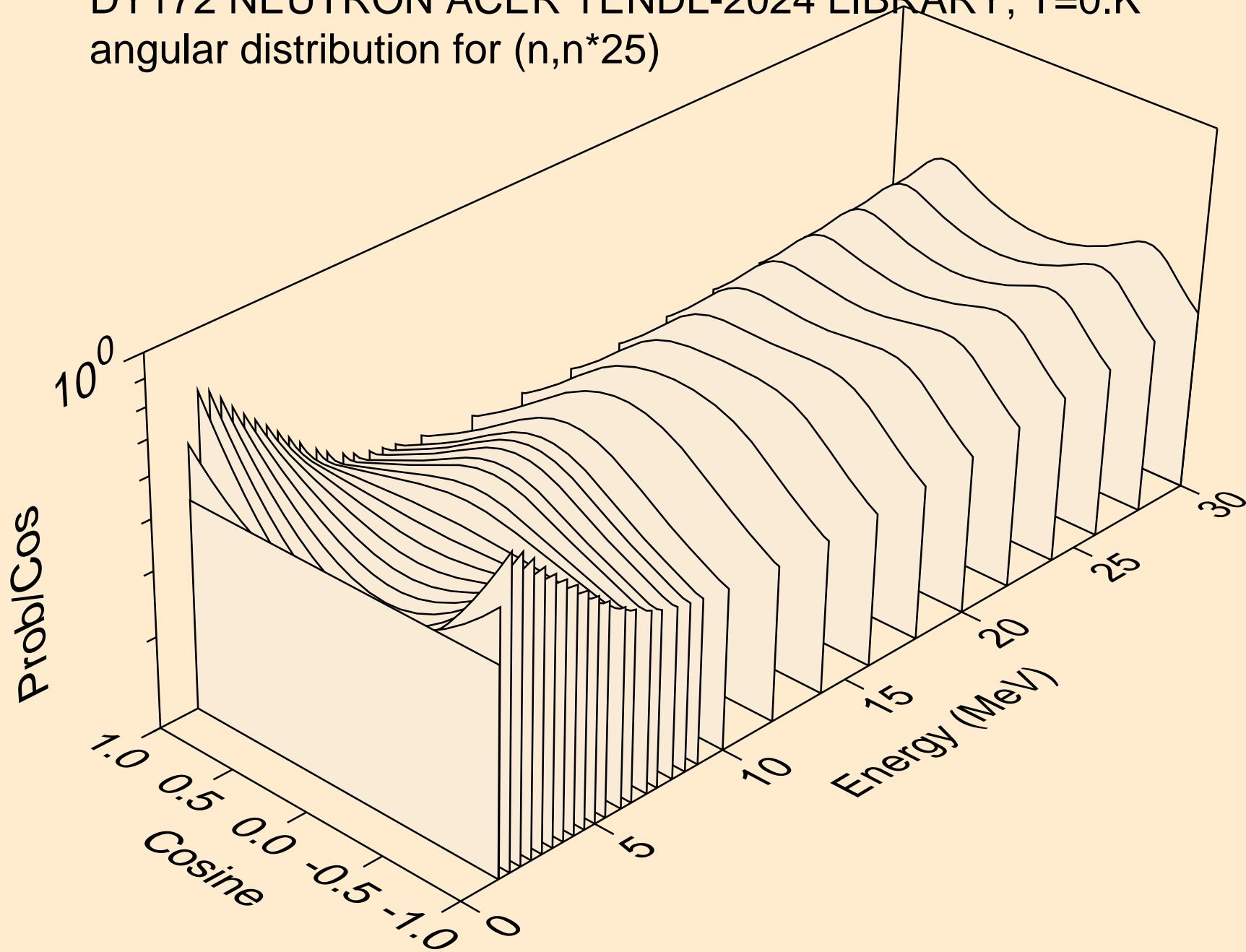
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angular distribution for (n,n\*23)



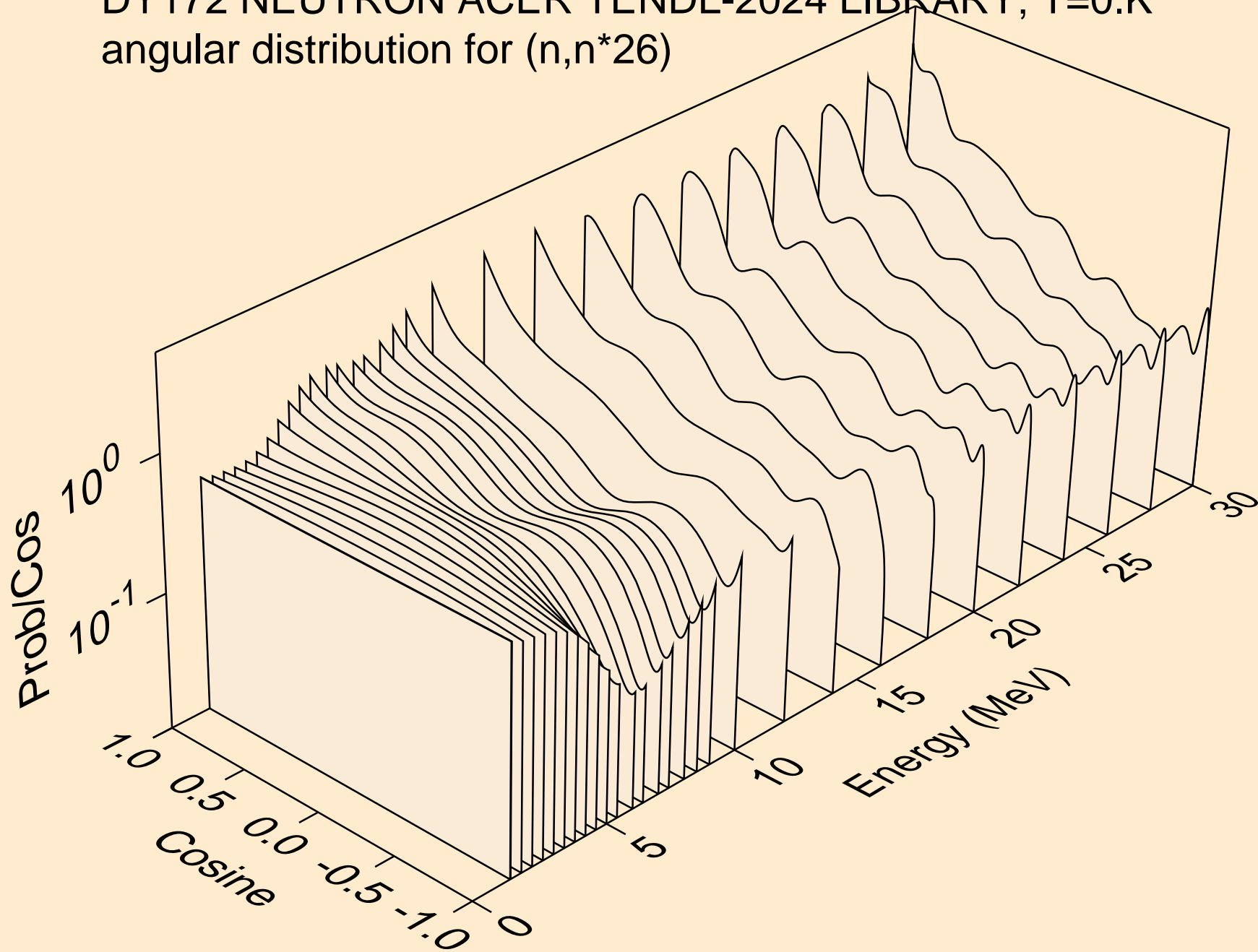
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angular distribution for (n,n\*24)



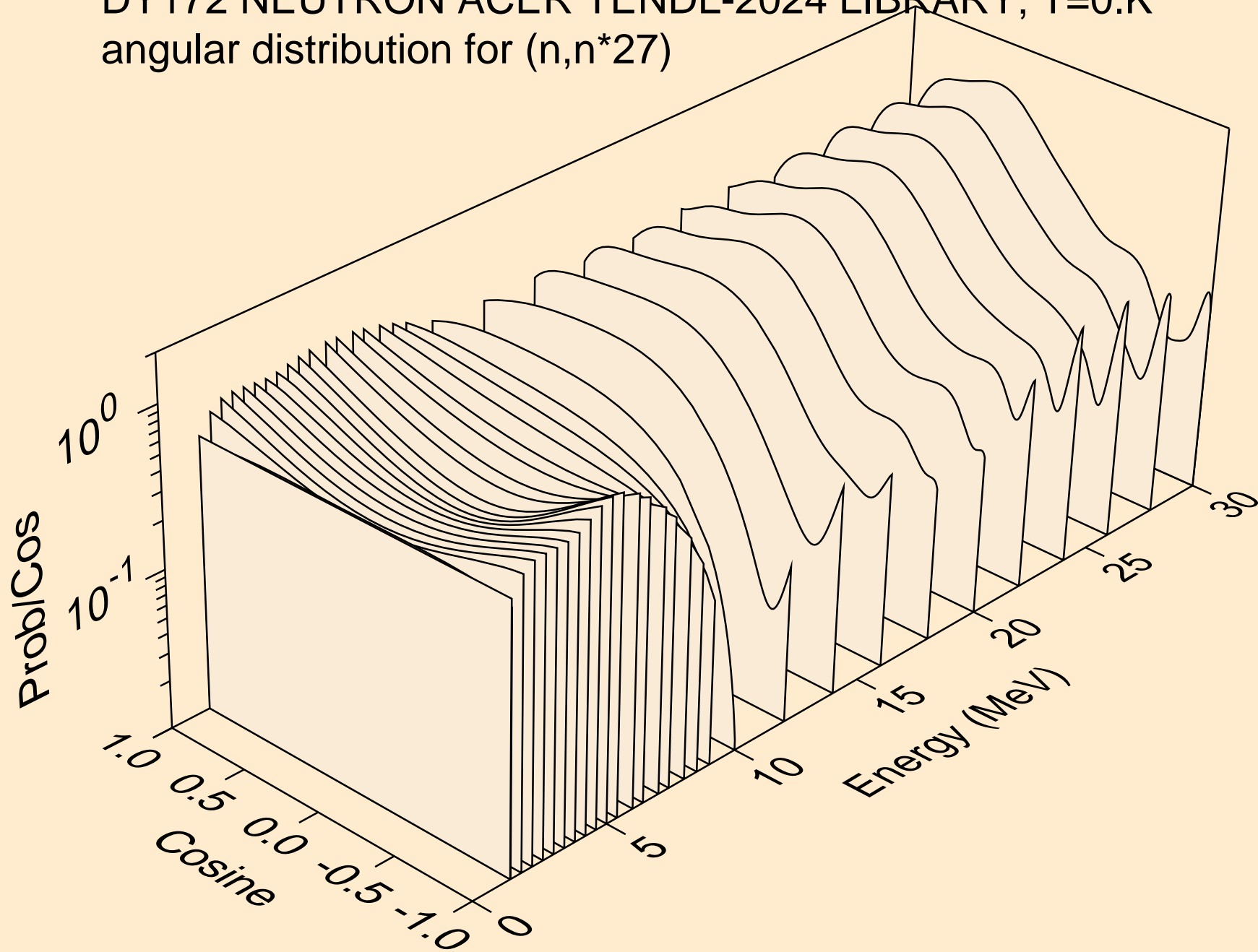
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angular distribution for (n,n\*25)



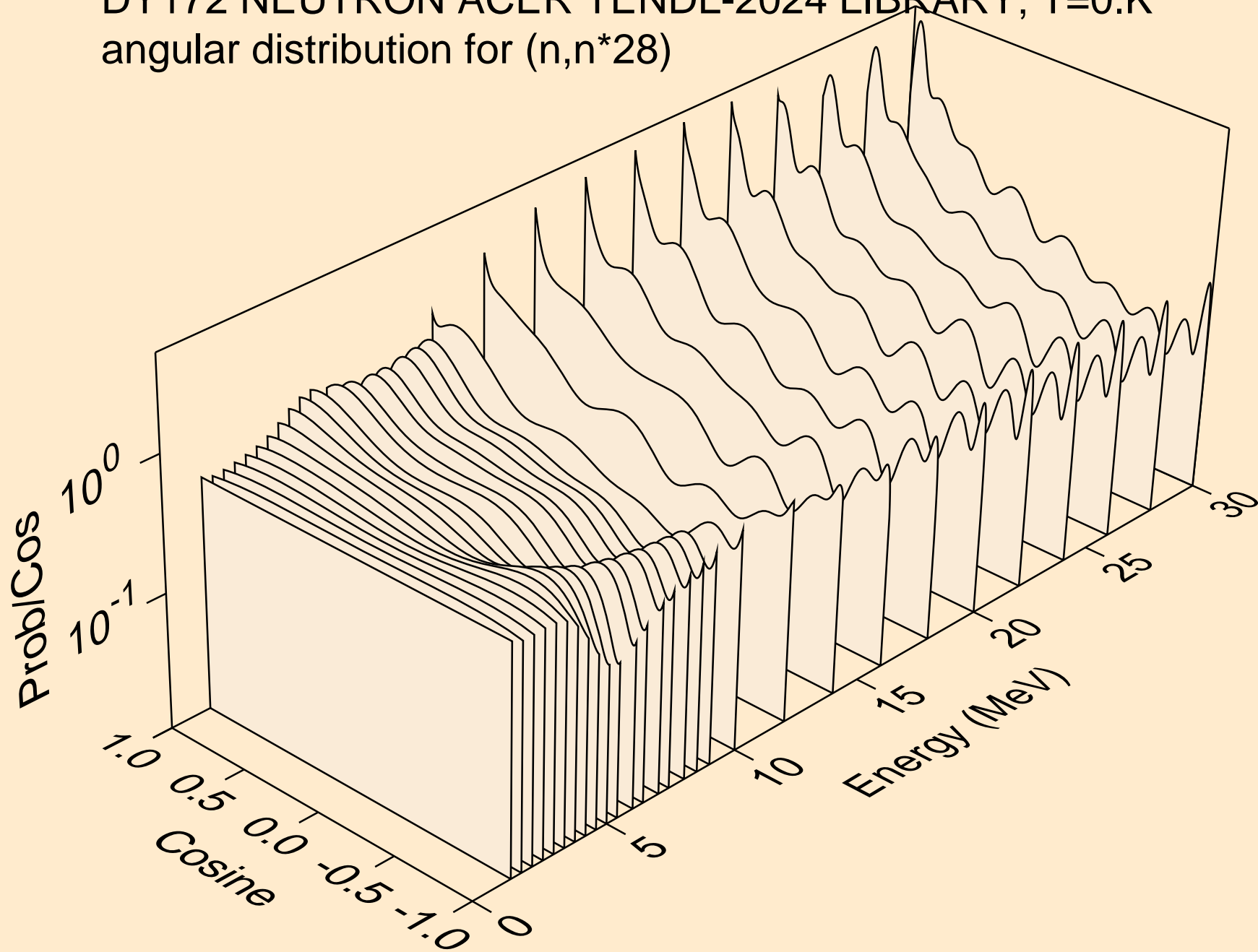
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angular distribution for (n,n\*26)



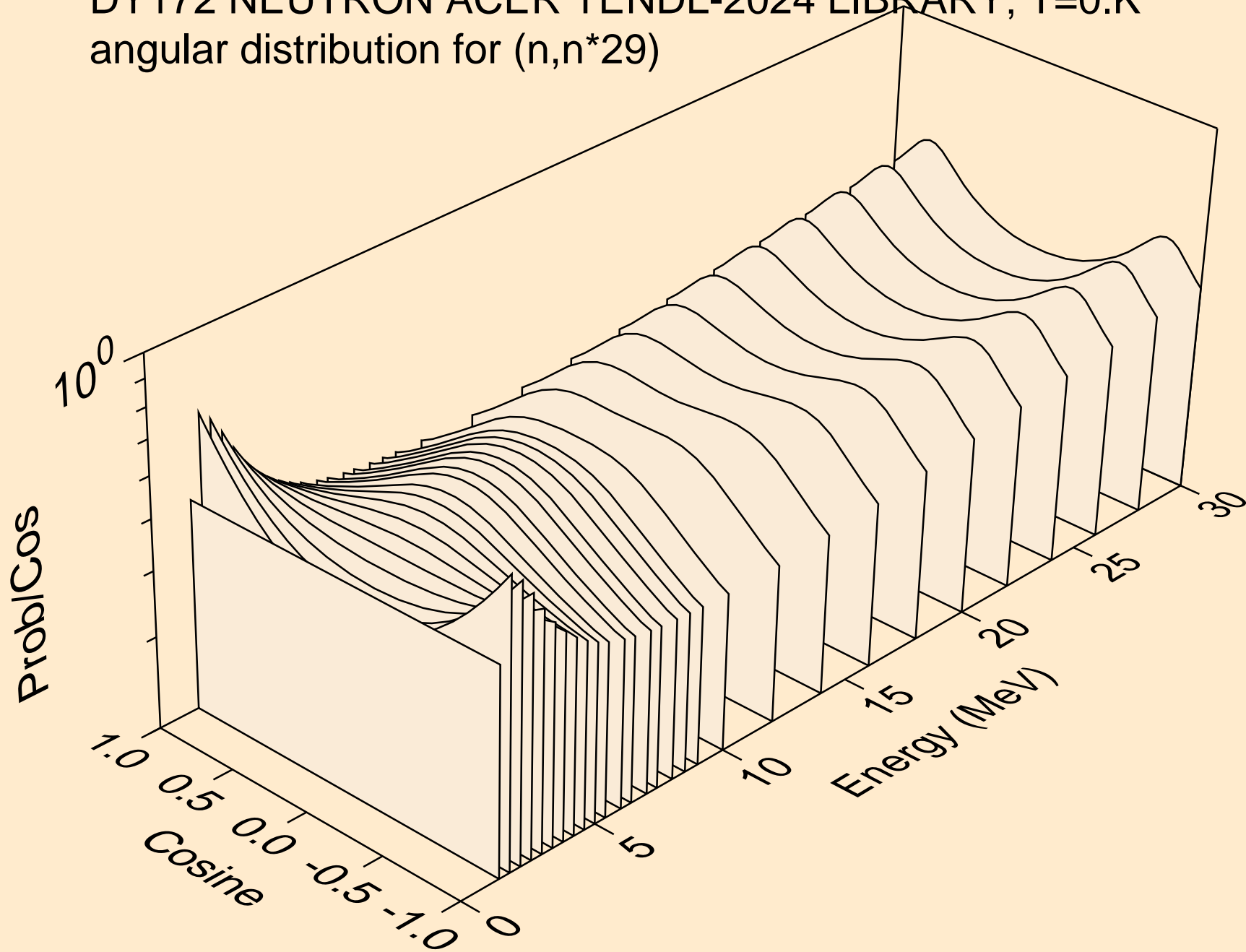
DY172 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*27)



DY172 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*28)

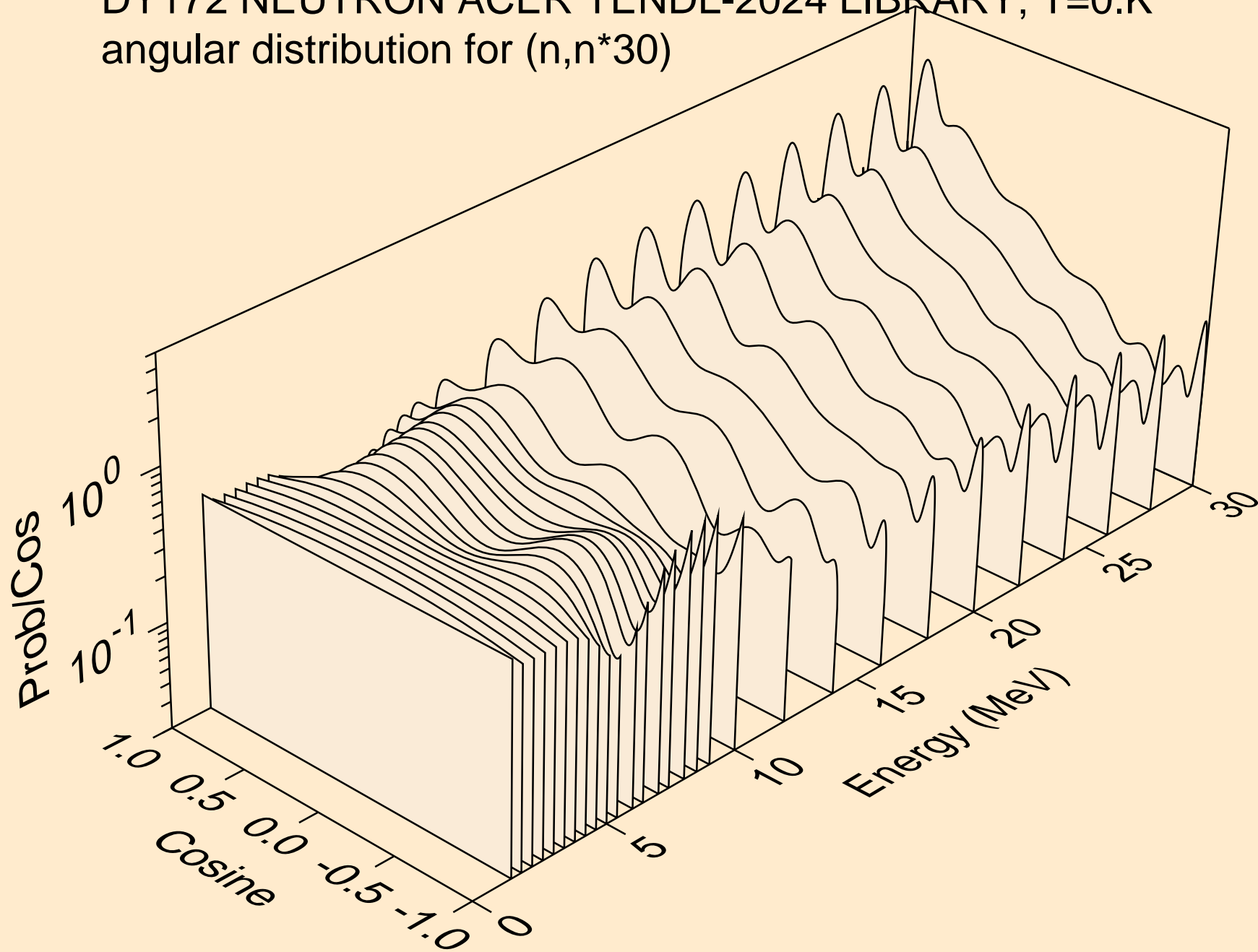


DY172 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*29)

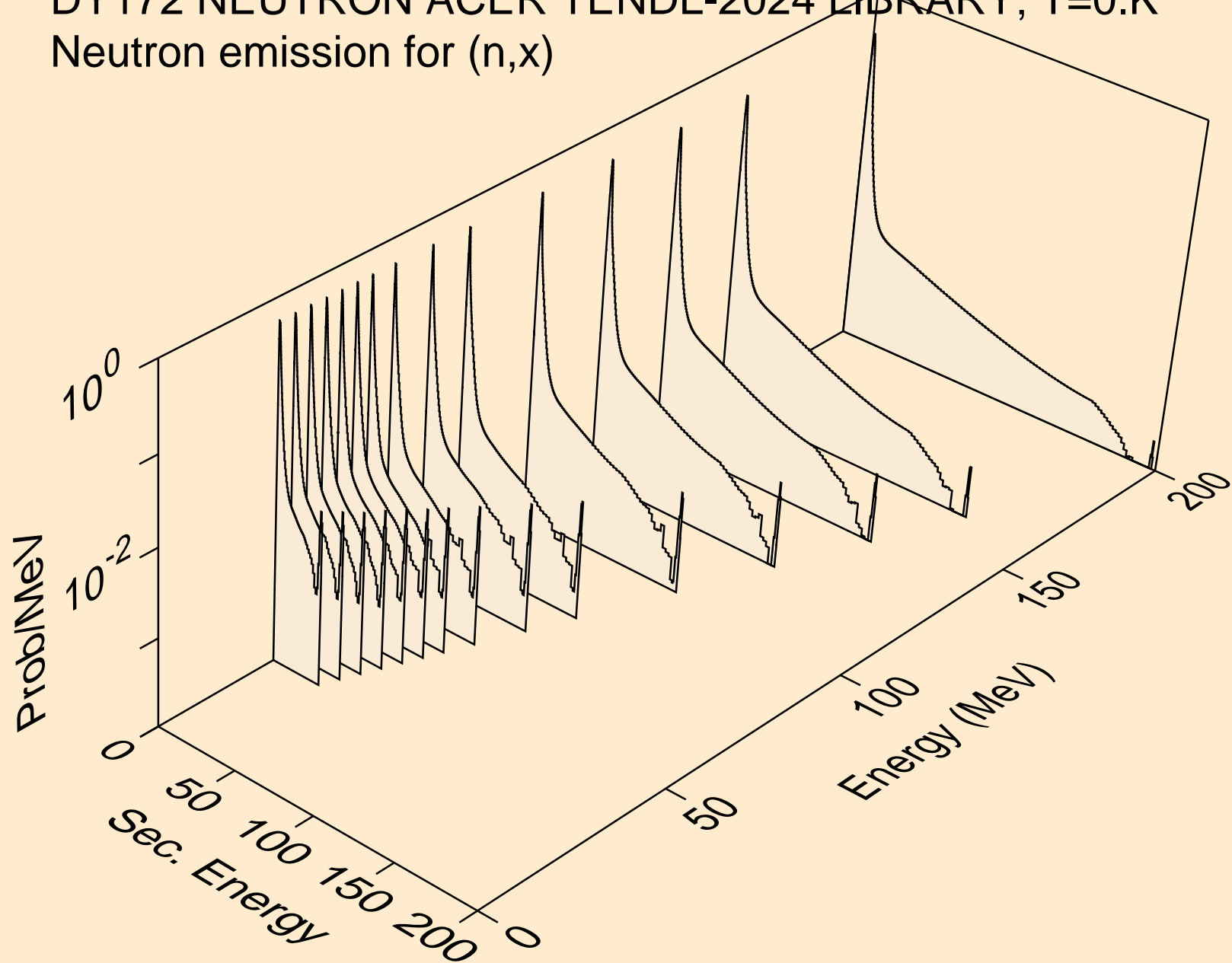




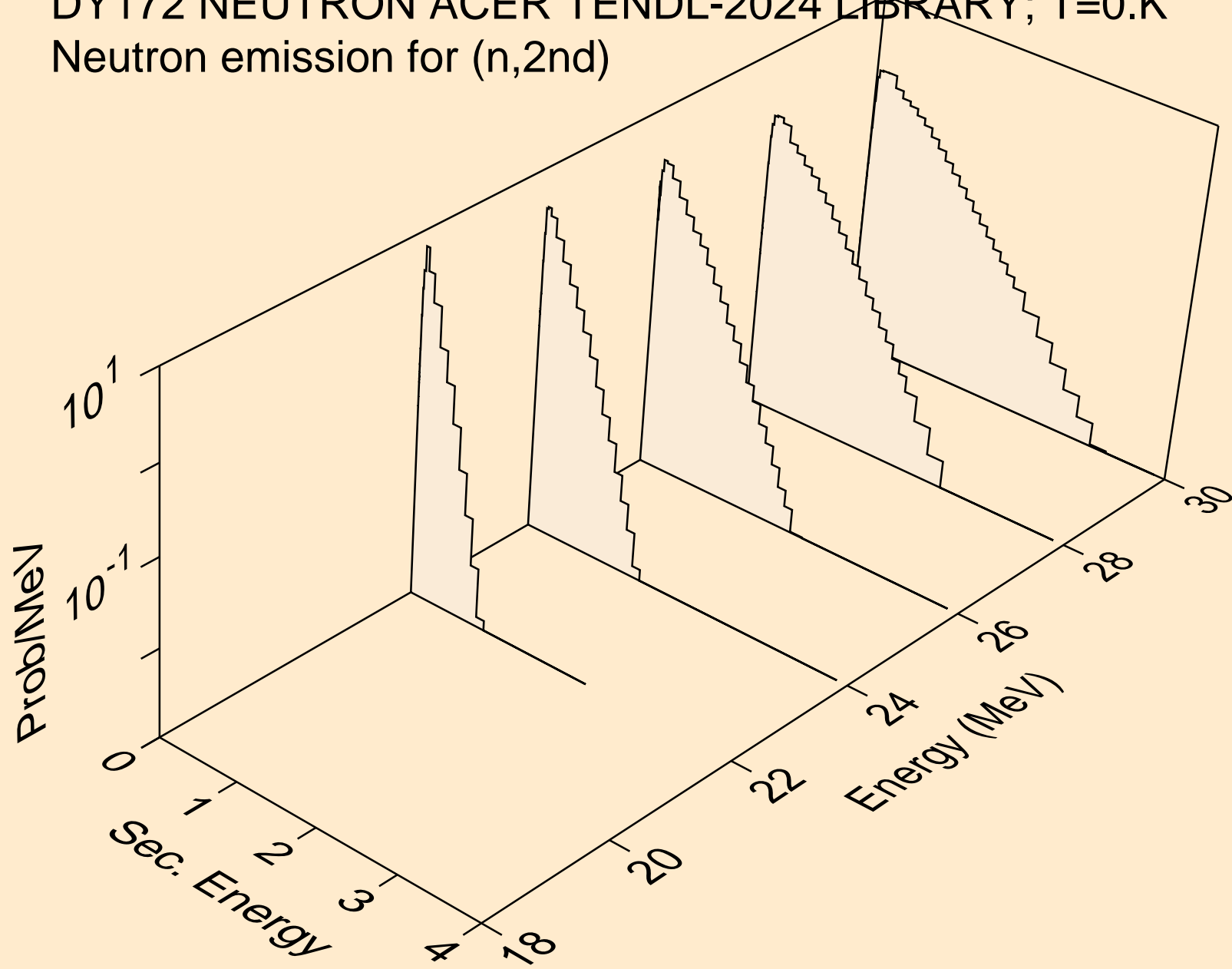
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angular distribution for (n,n\*30)



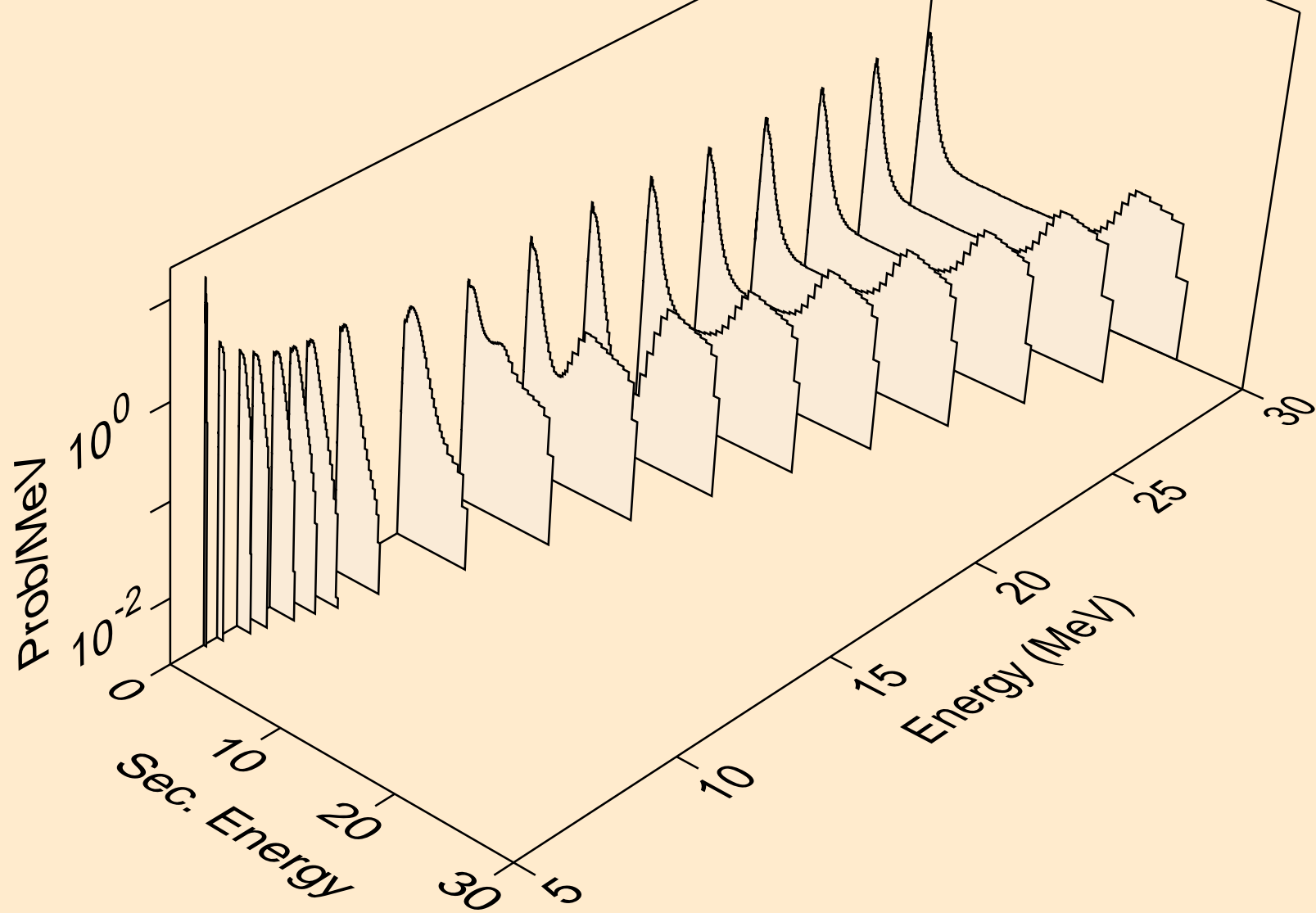
DY172 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,x)



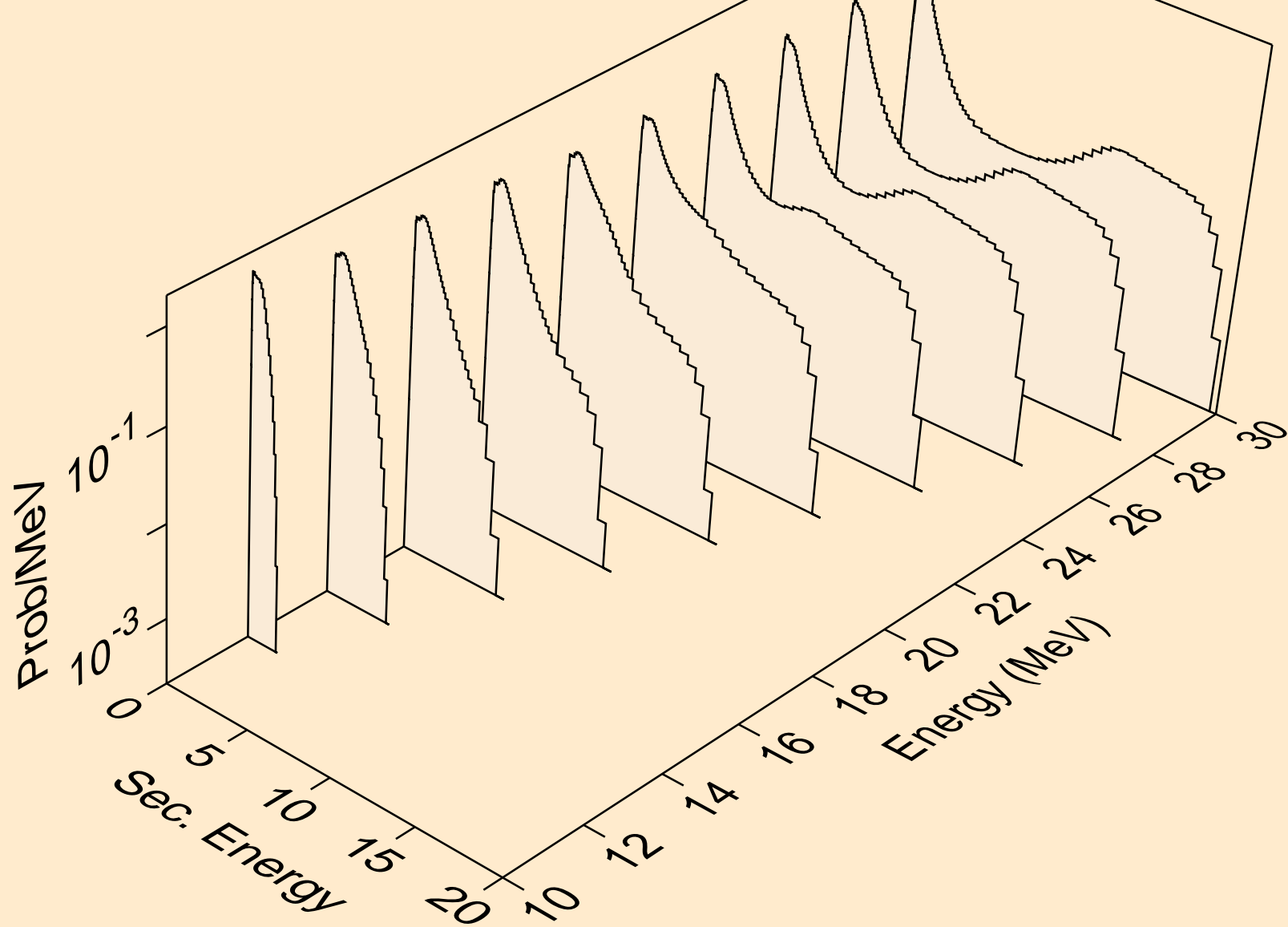
DY172 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



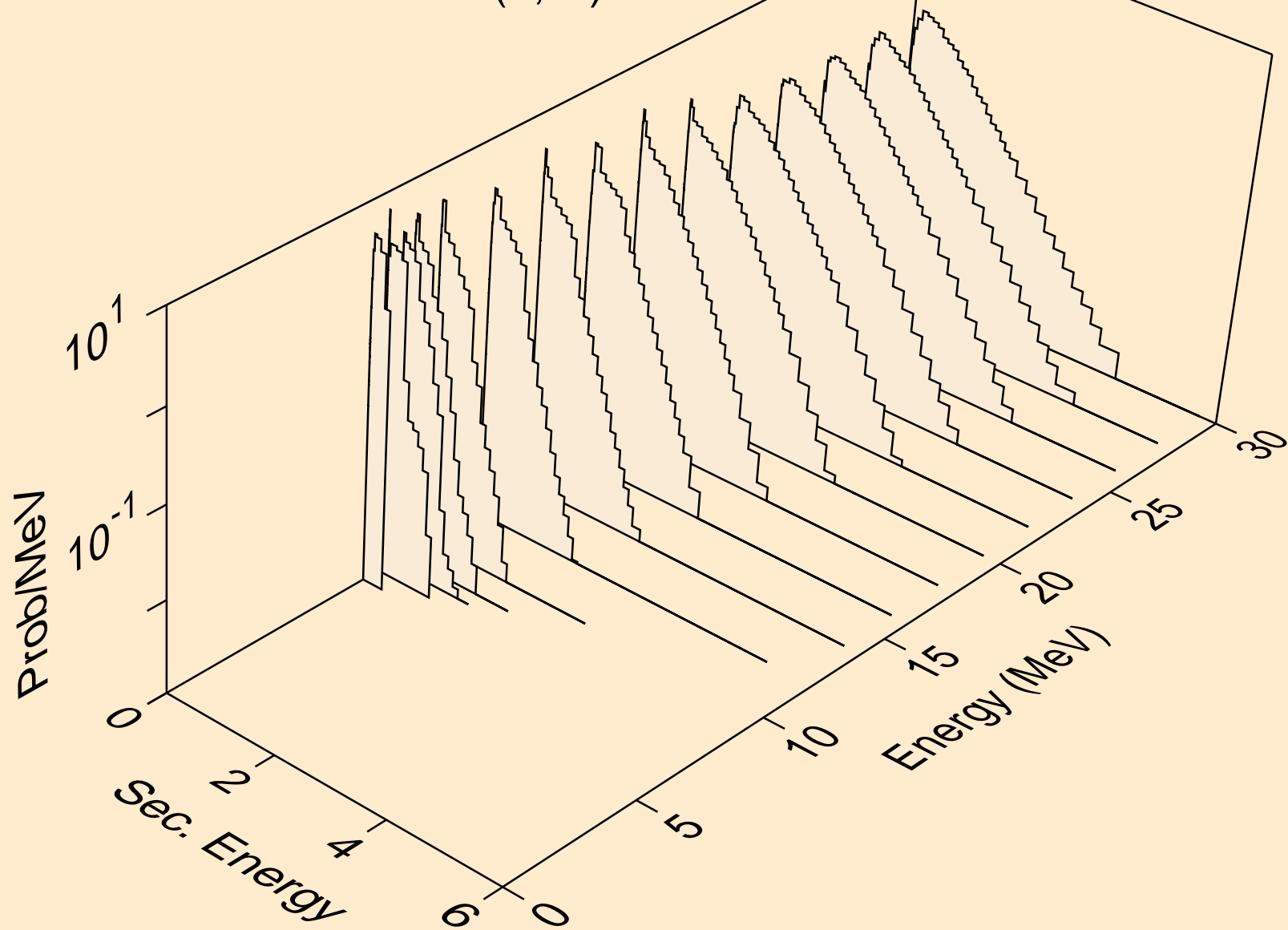
DY172 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)



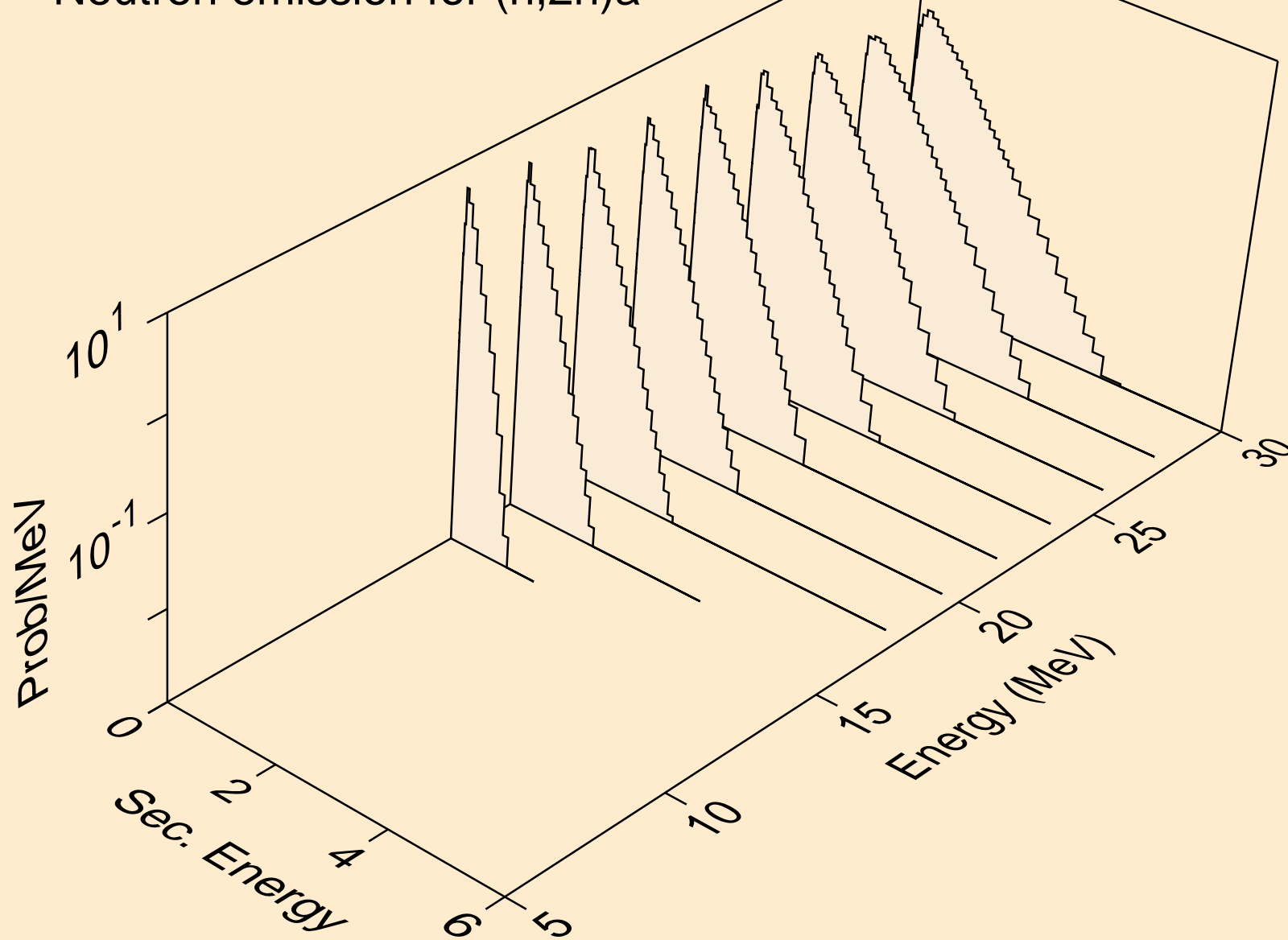
DY172 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)



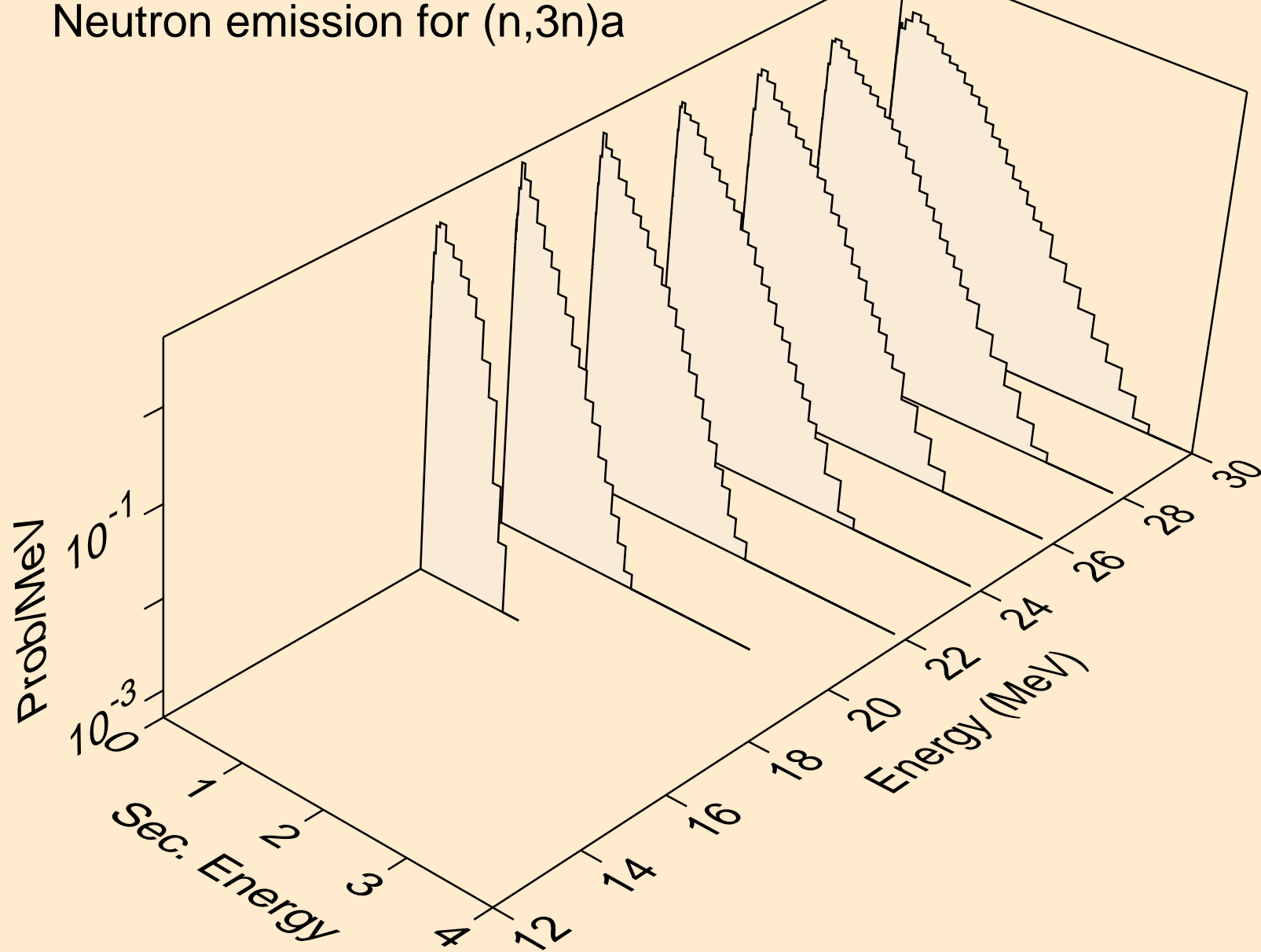
DY172 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



DY172 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)a

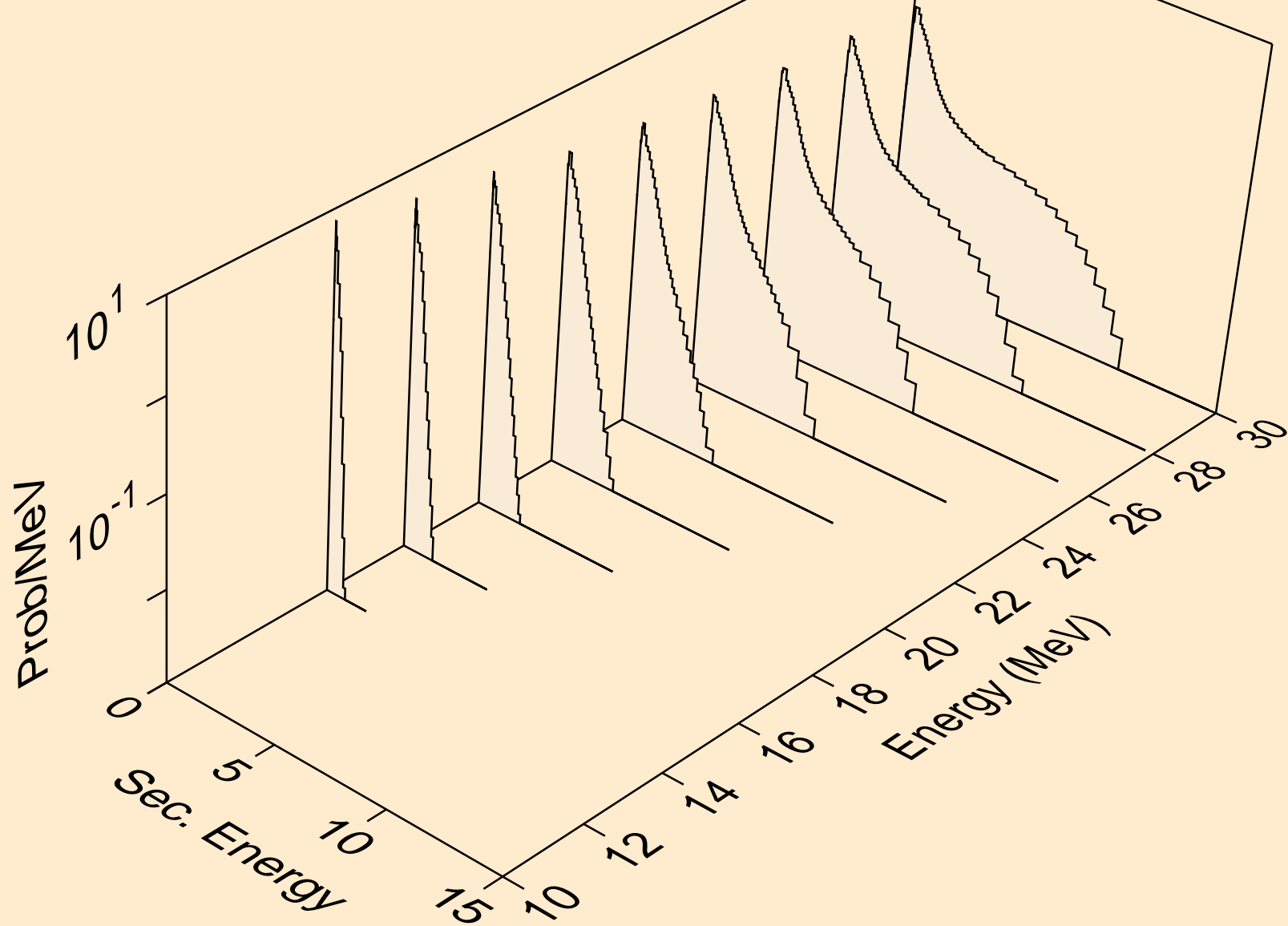


DY172 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)a

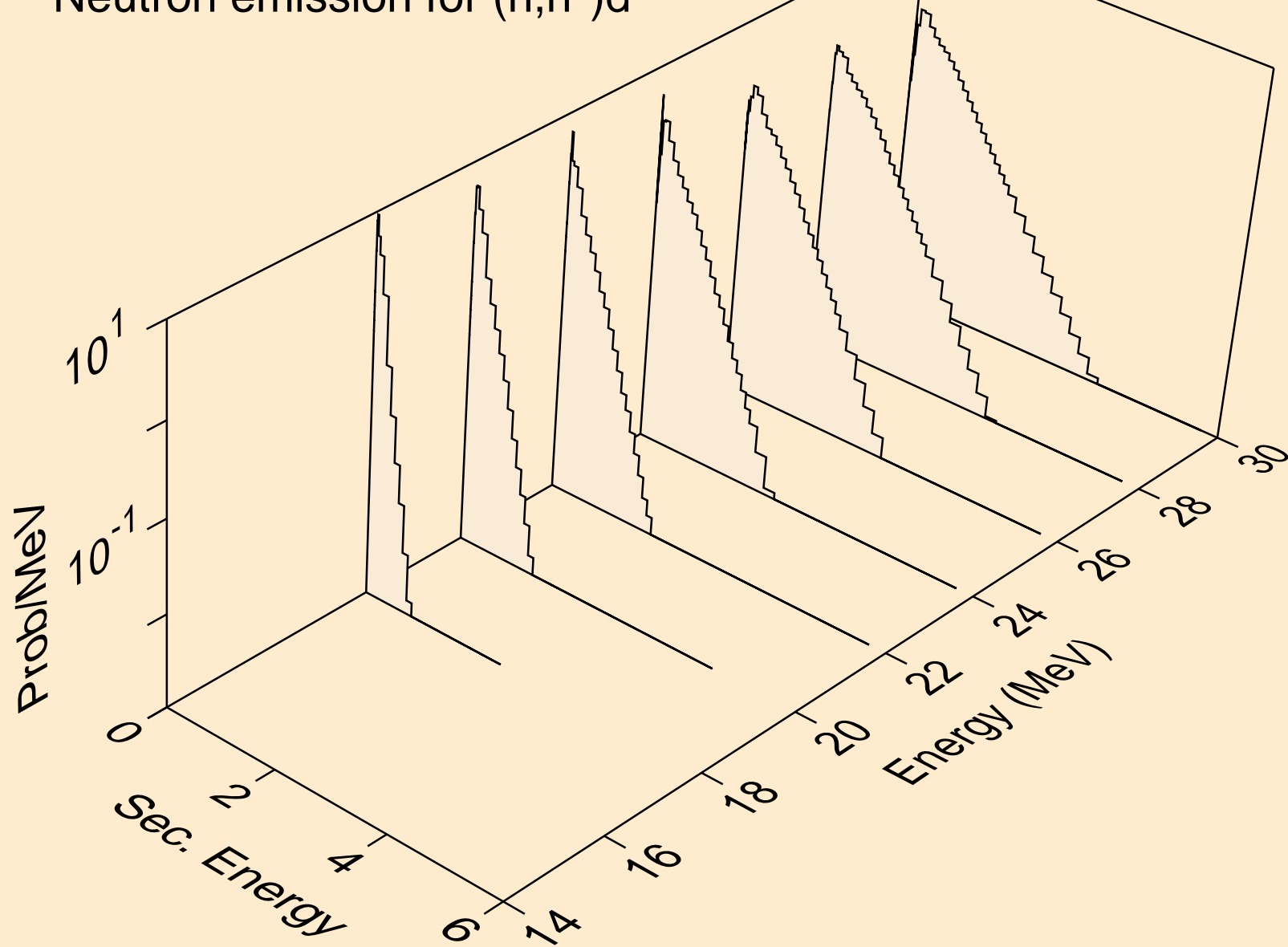




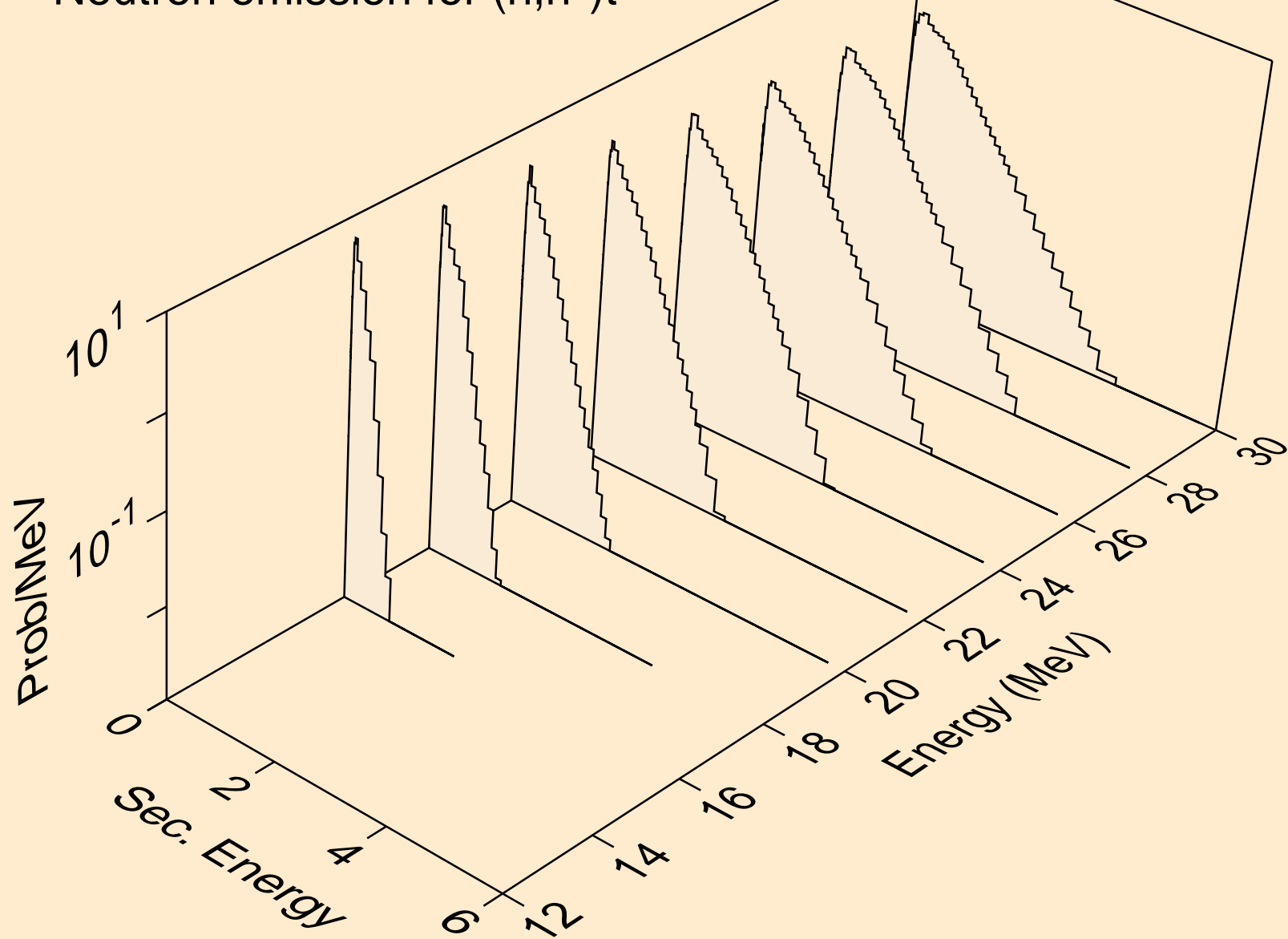
DY172 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



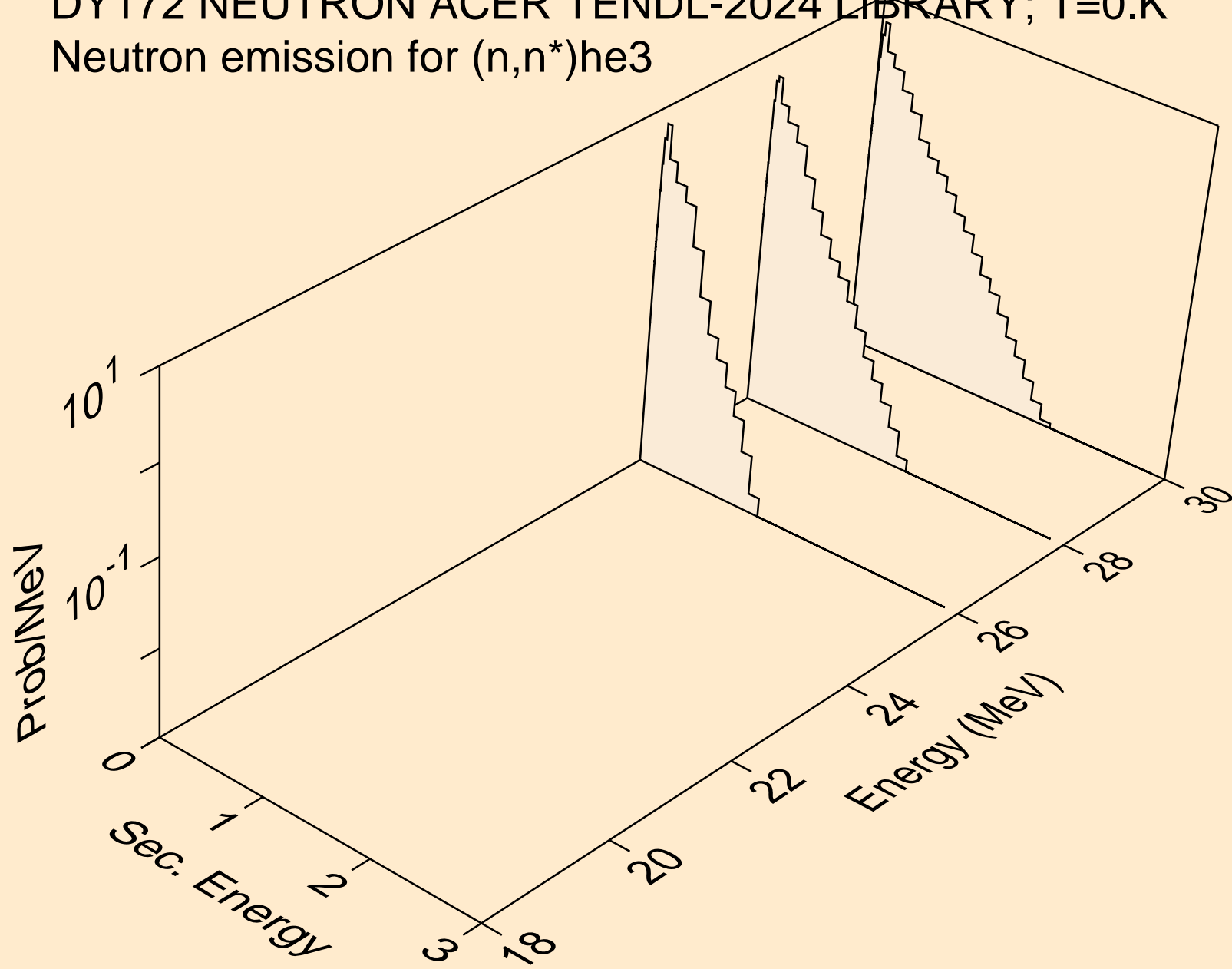
DY172 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d



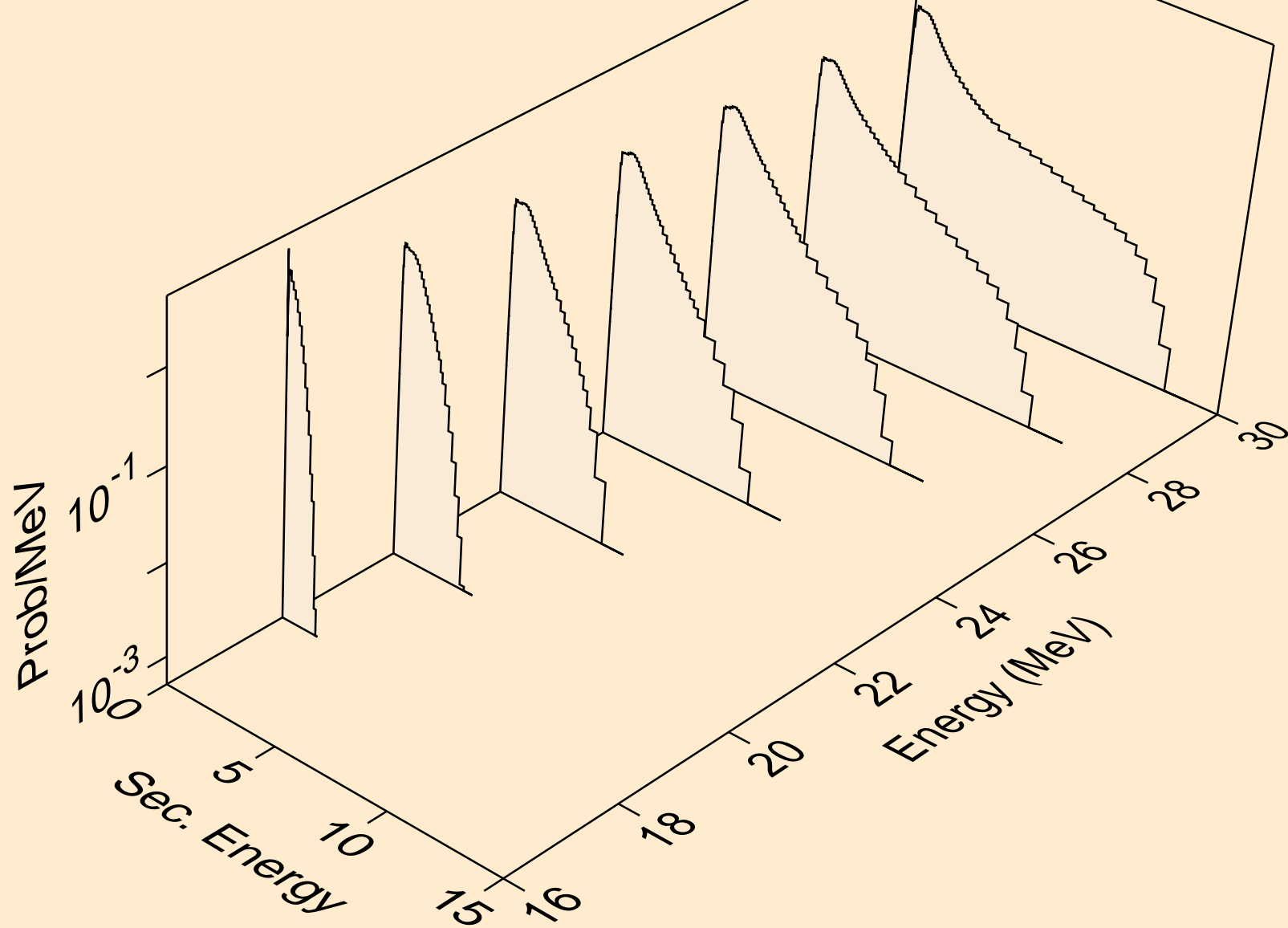
DY172 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



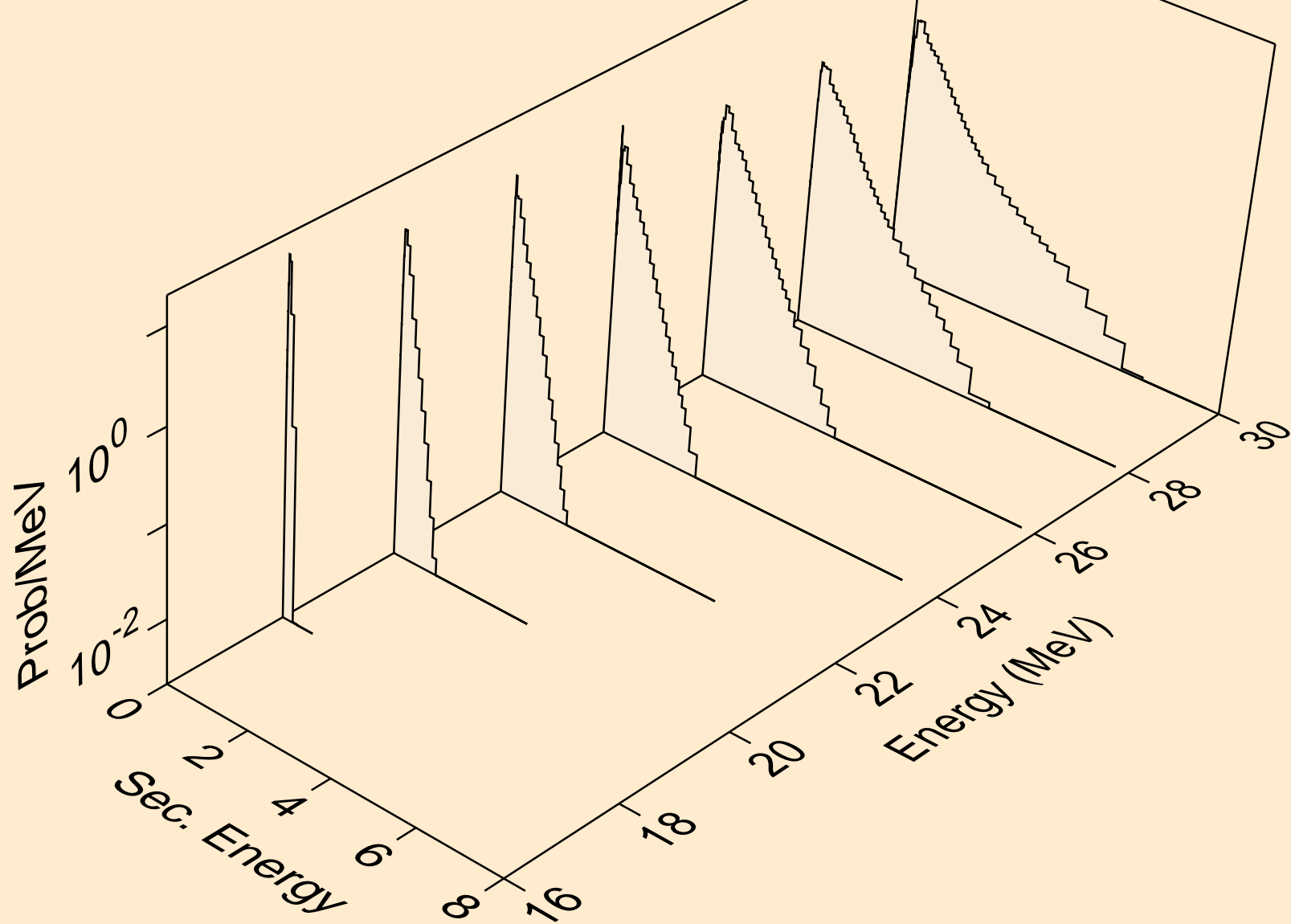
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Neutron emission for (n,n\*)he3



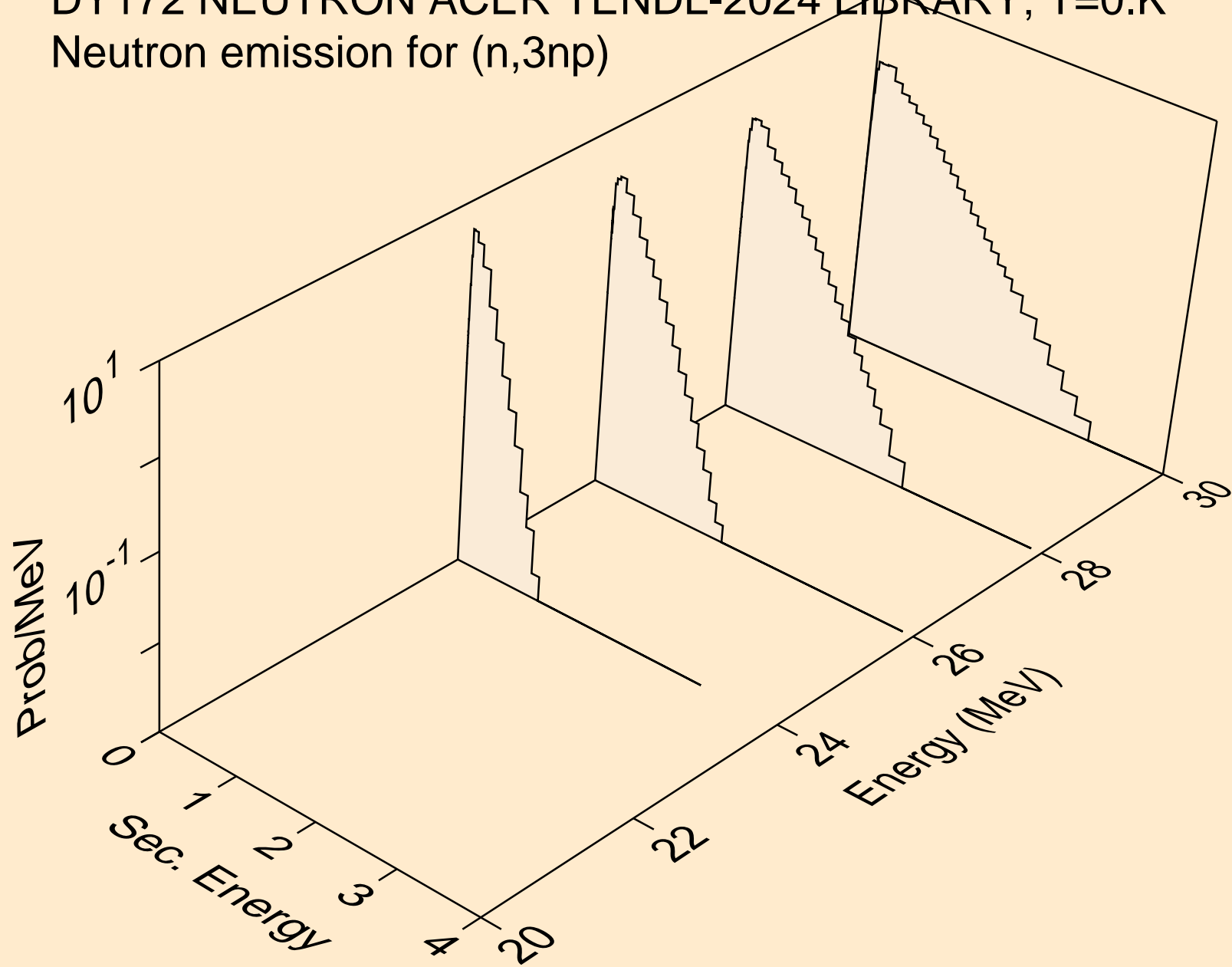
DY172 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,4n)



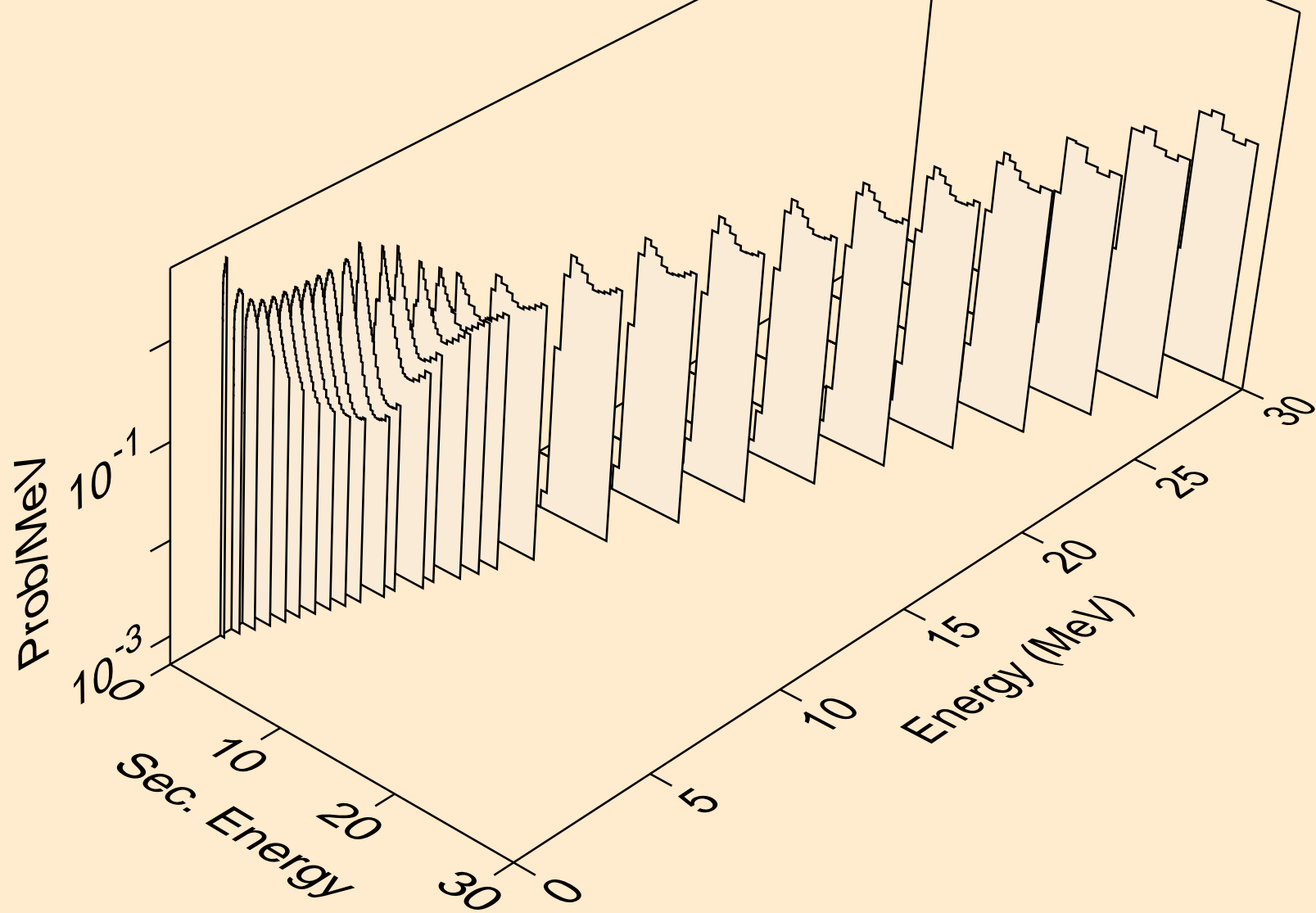
DY172 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2np)



DY172 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3np)

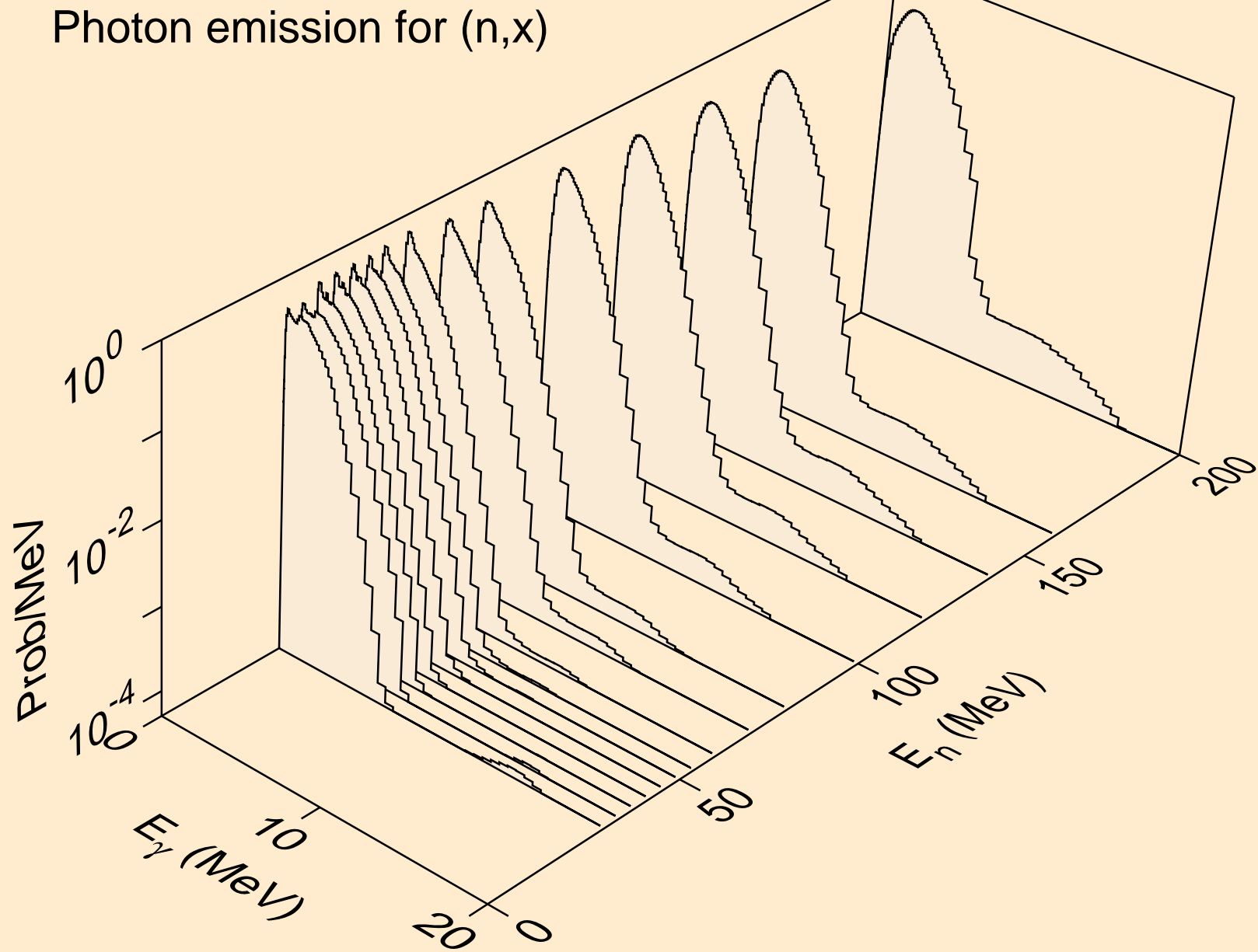


DY172 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)

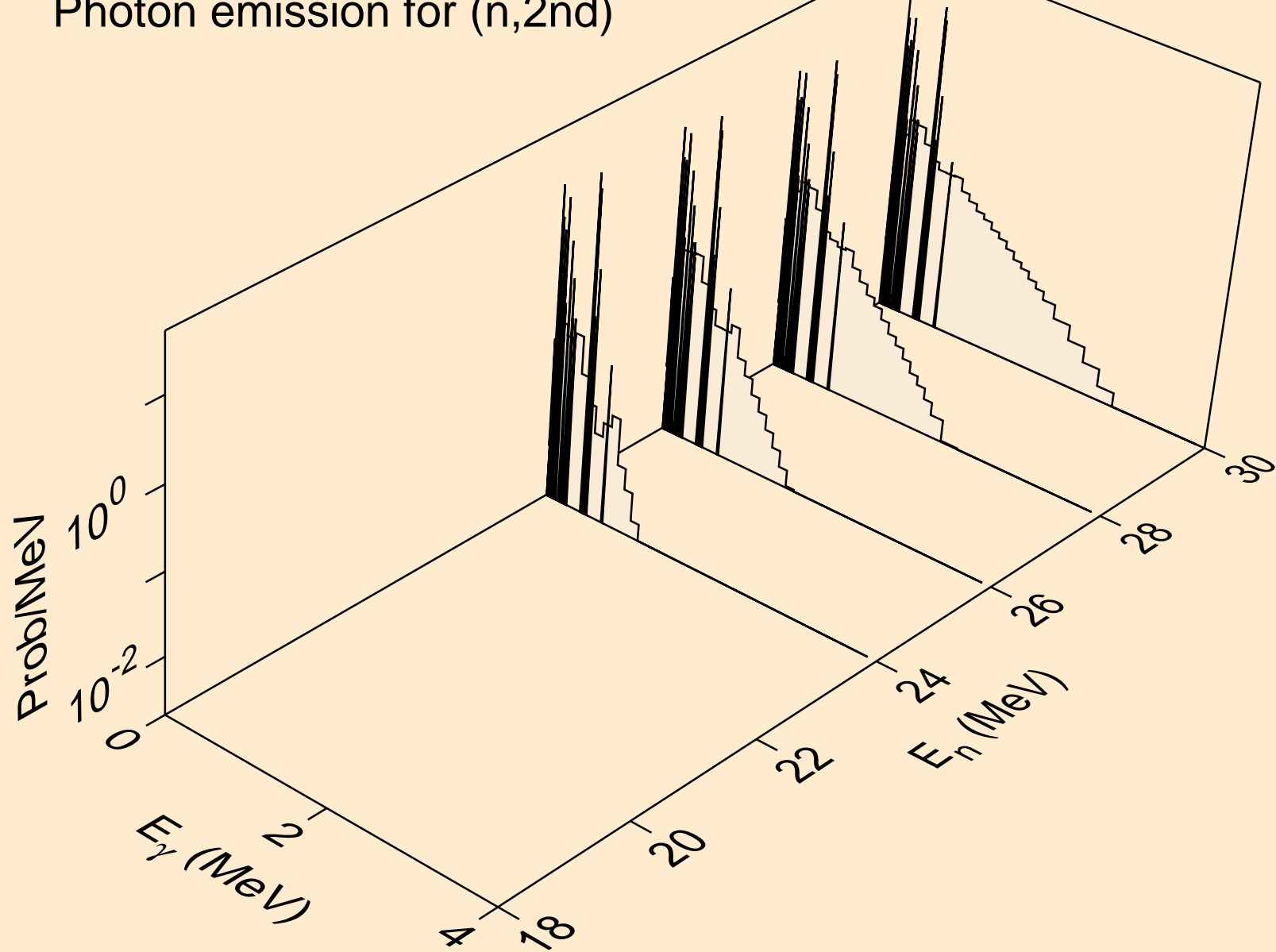




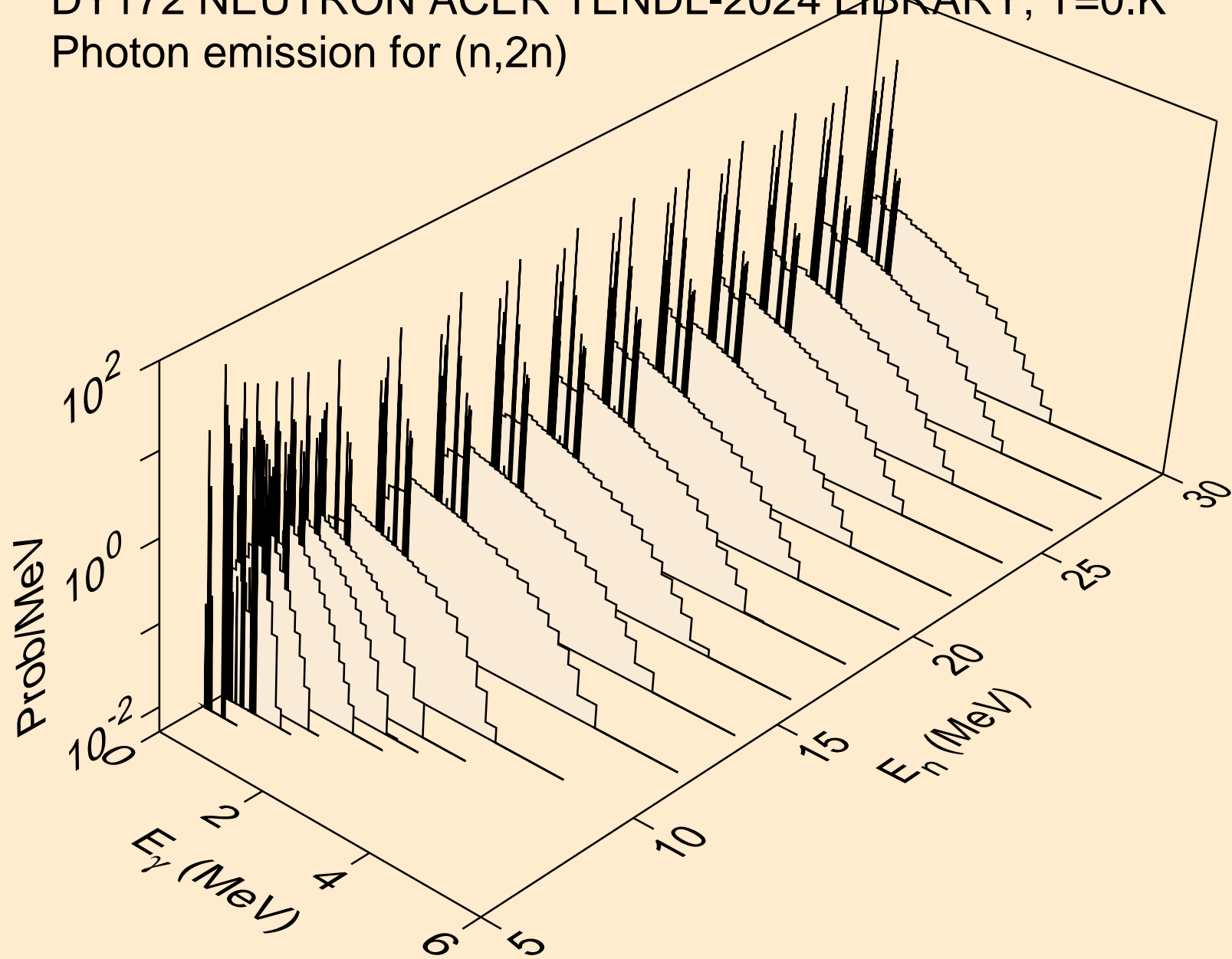
DY172 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,x)



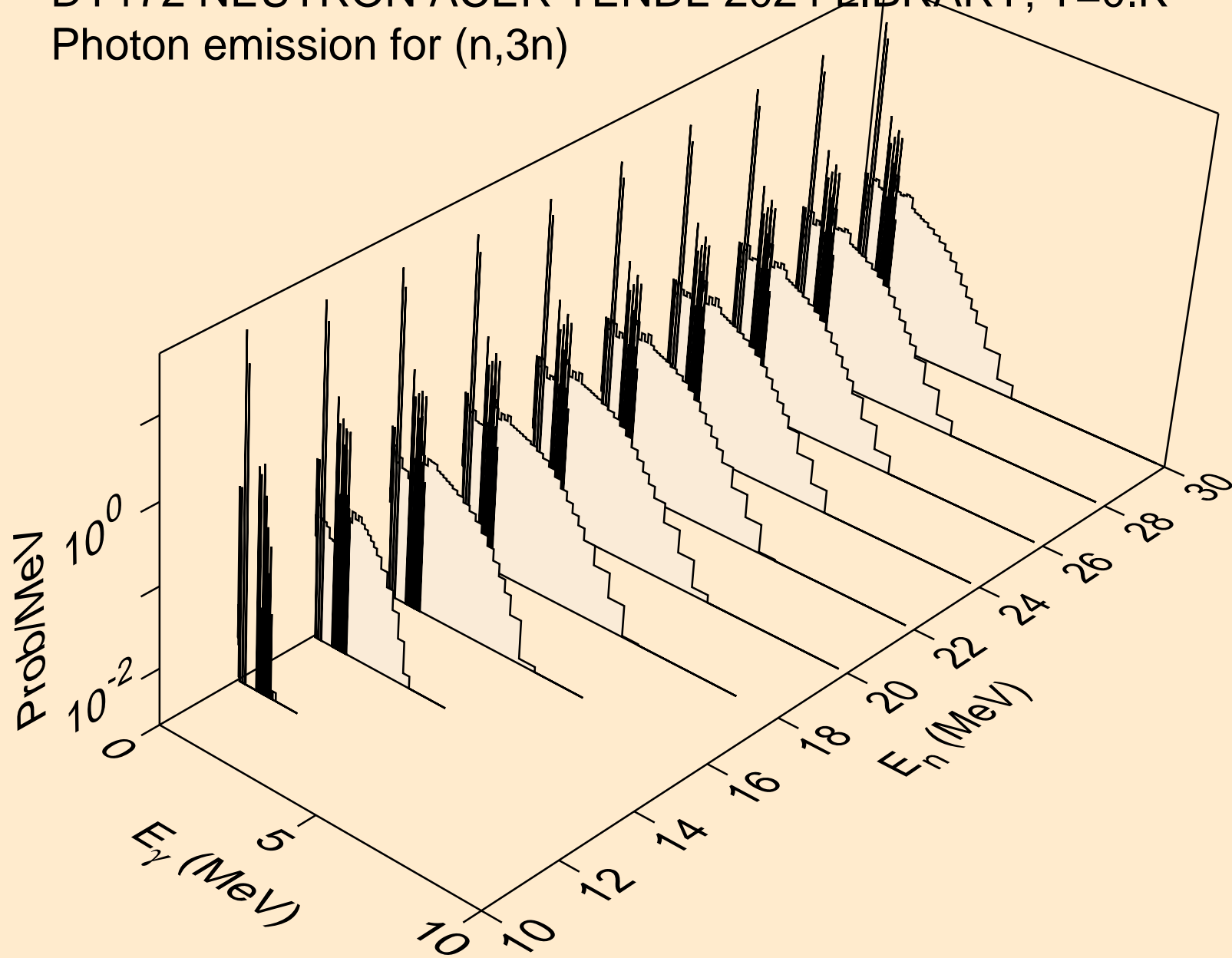
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Photon emission for (n,2nd)



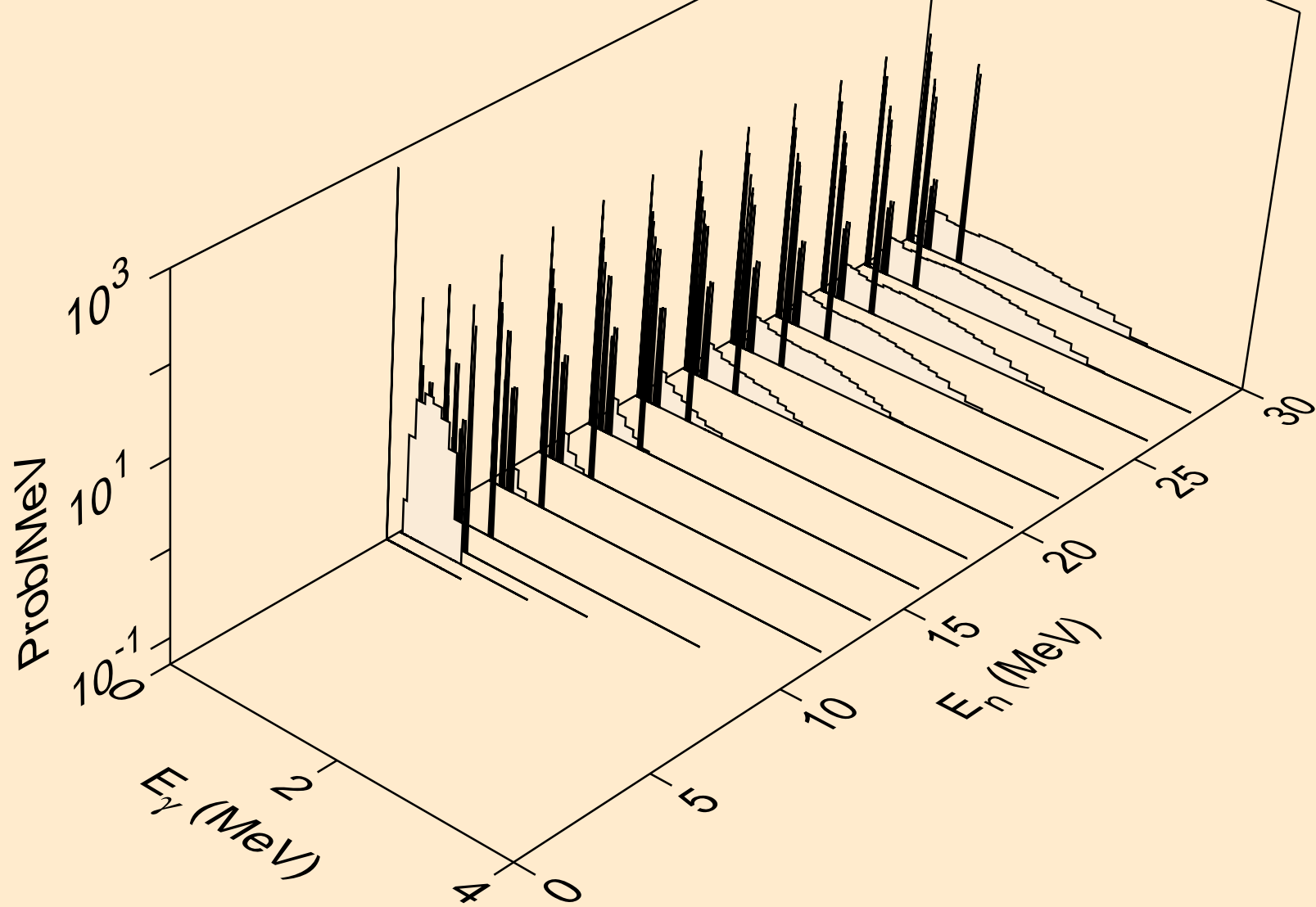
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Photon emission for (n,2n)



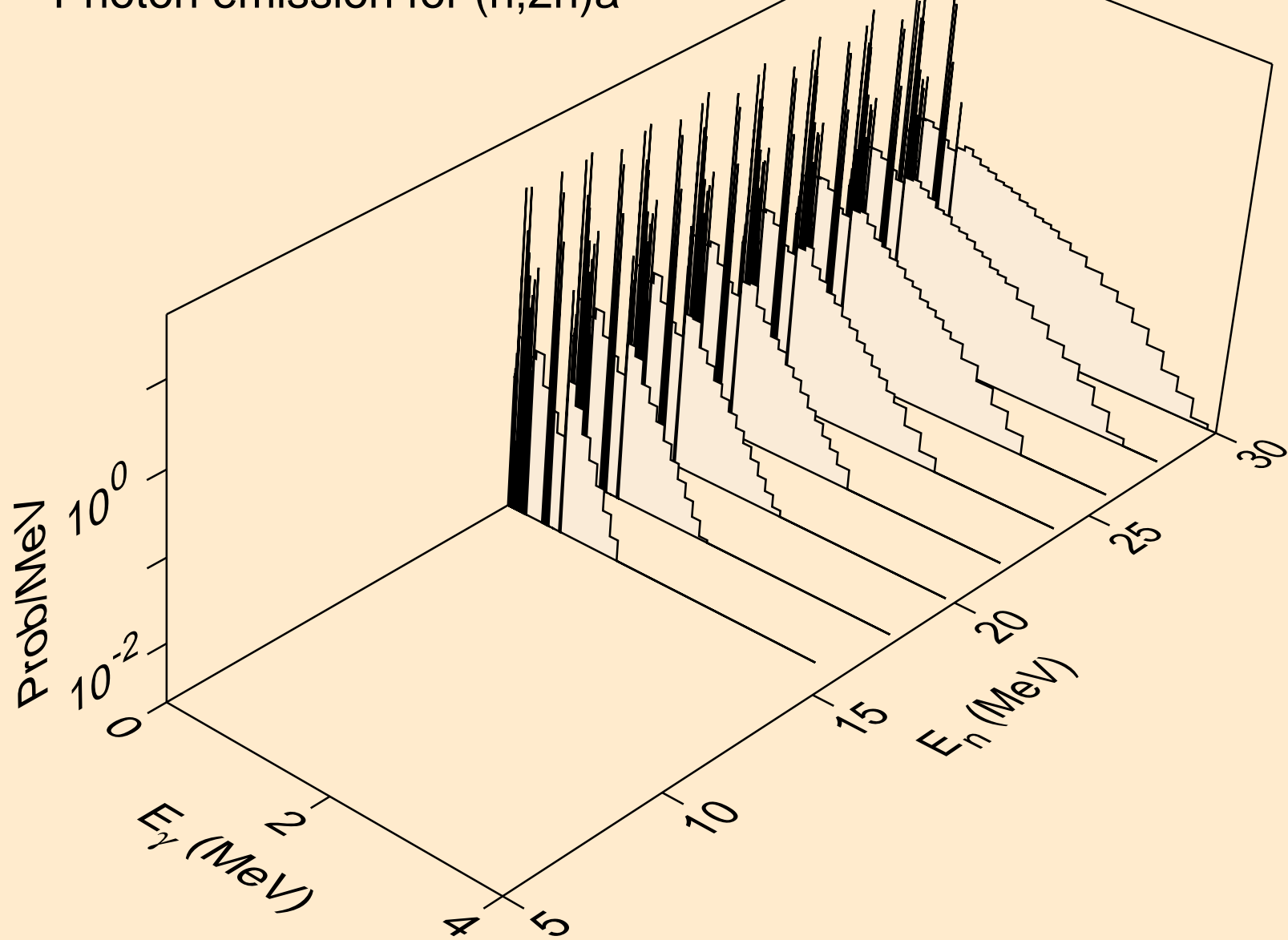
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Photon emission for (n,3n)



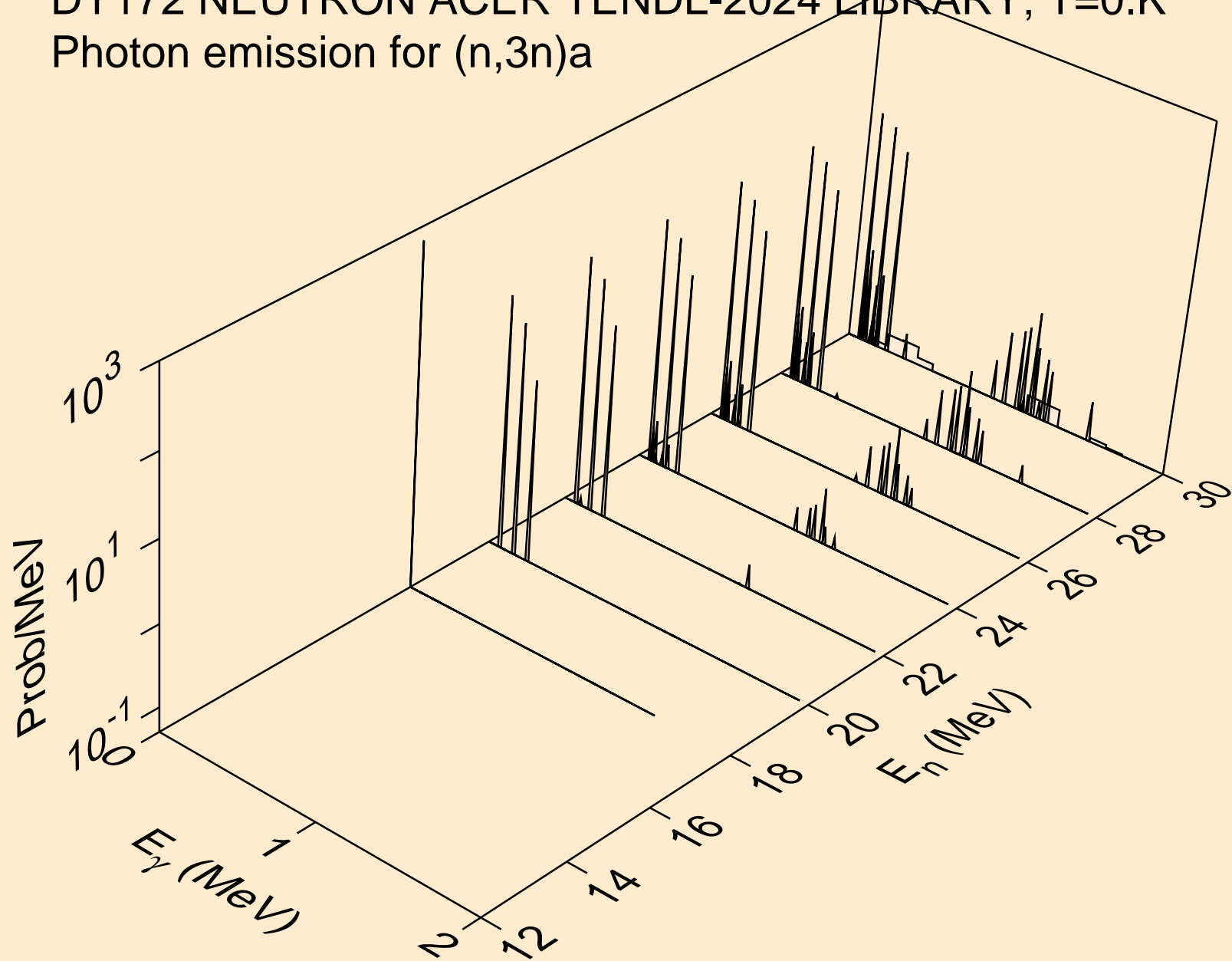
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Photon emission for (n,n\*)a



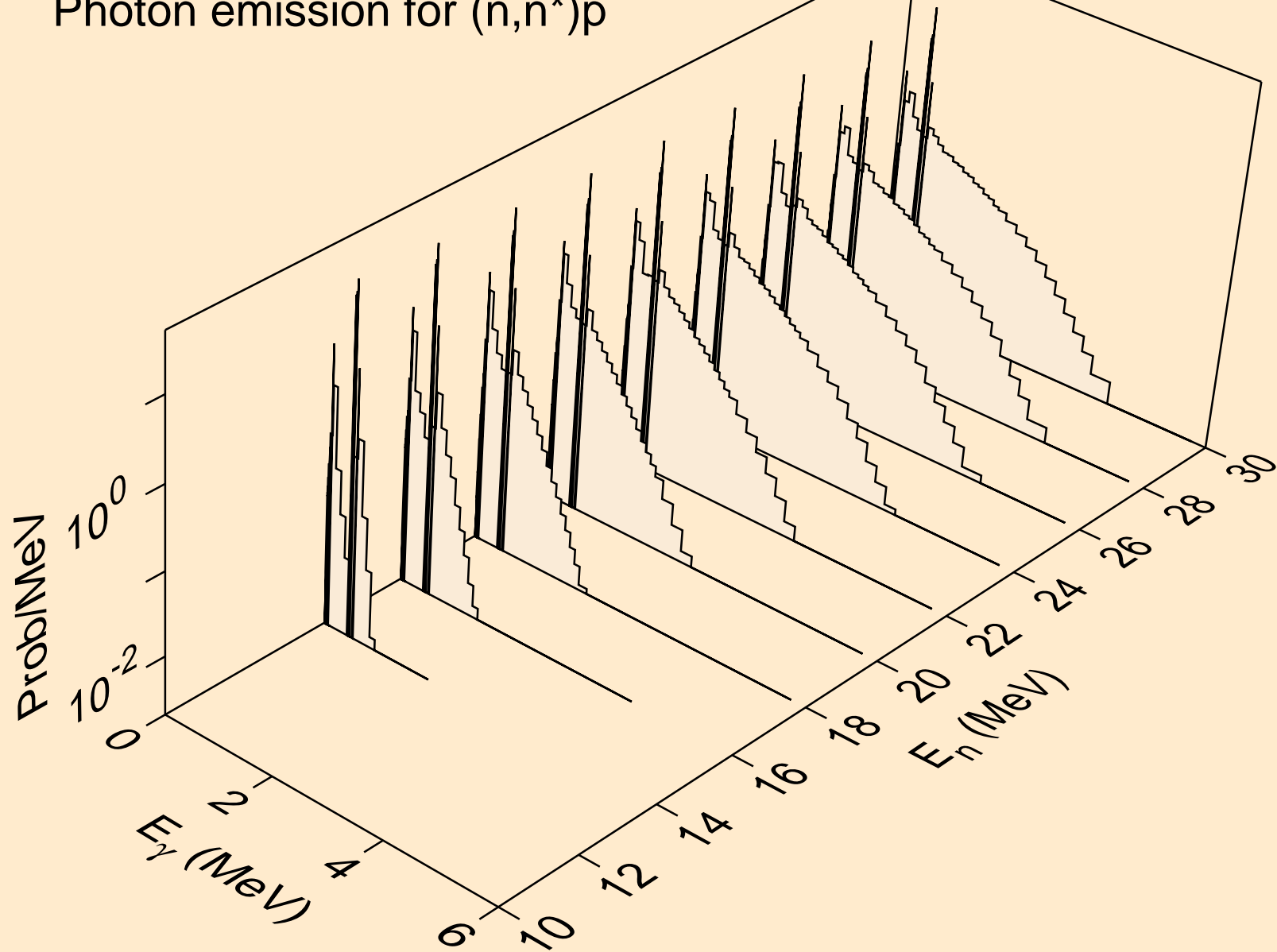
DY172 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)a



DY172 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)a



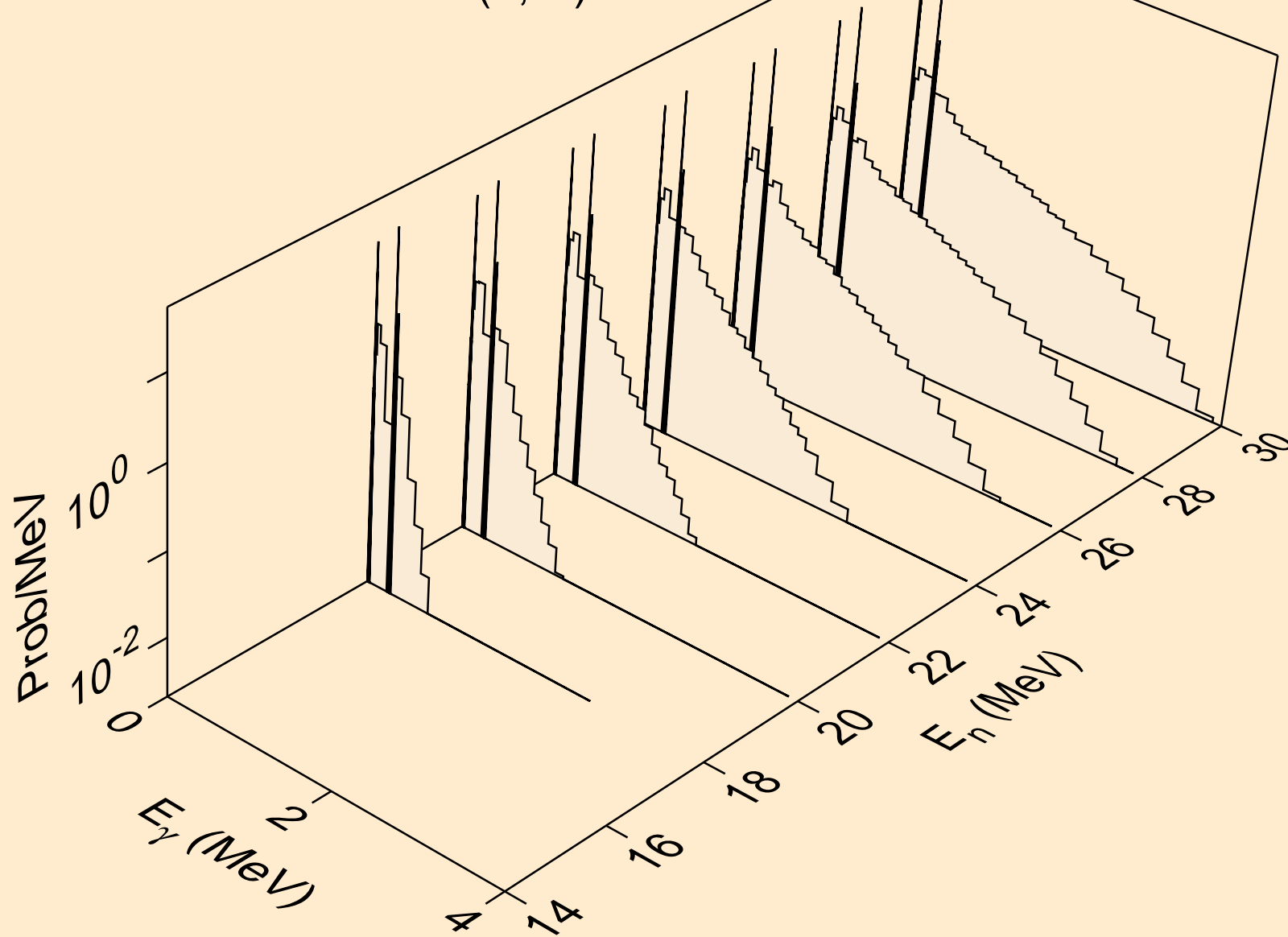
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Photon emission for (n,n\*)p



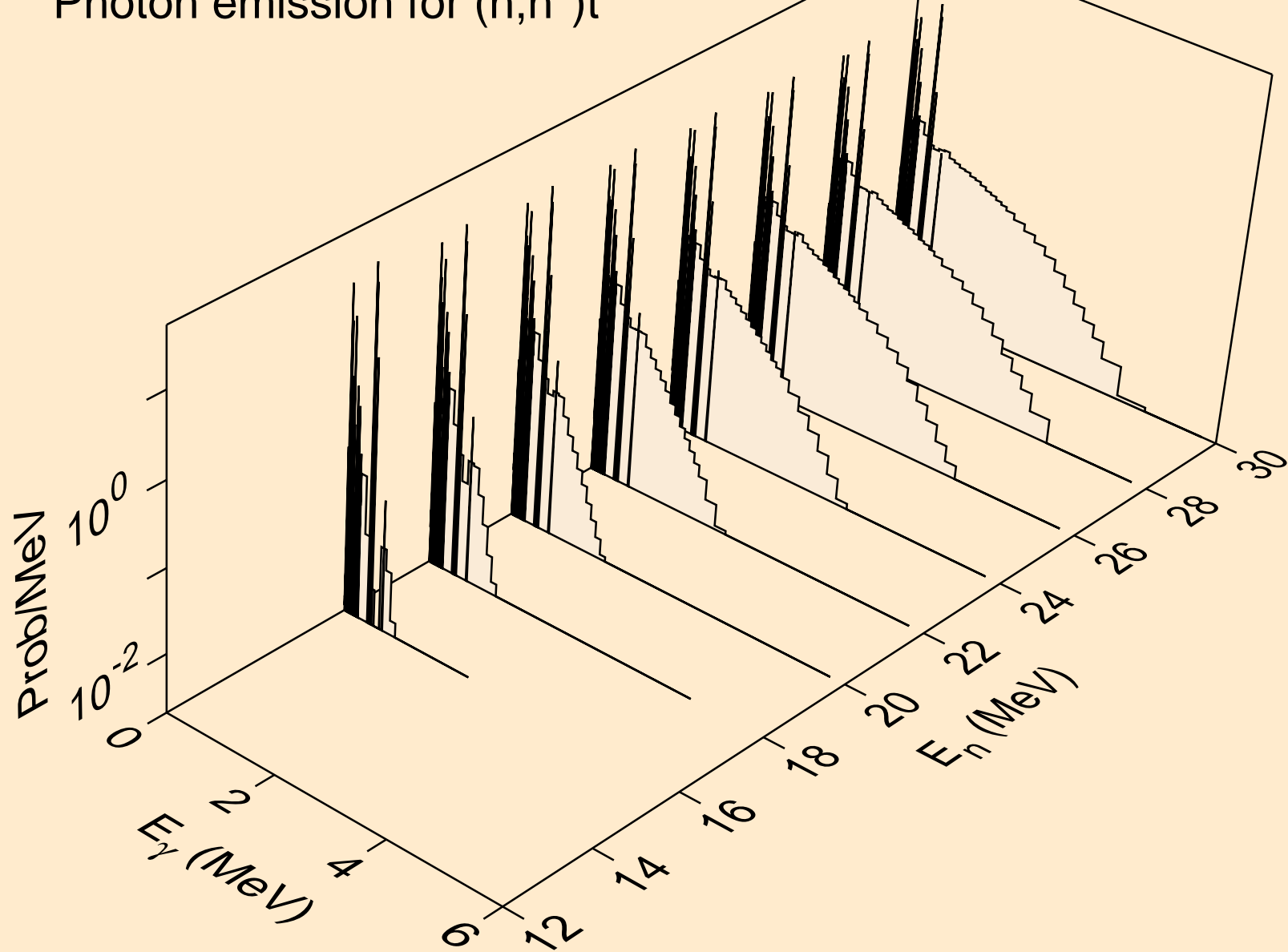


# DY172 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

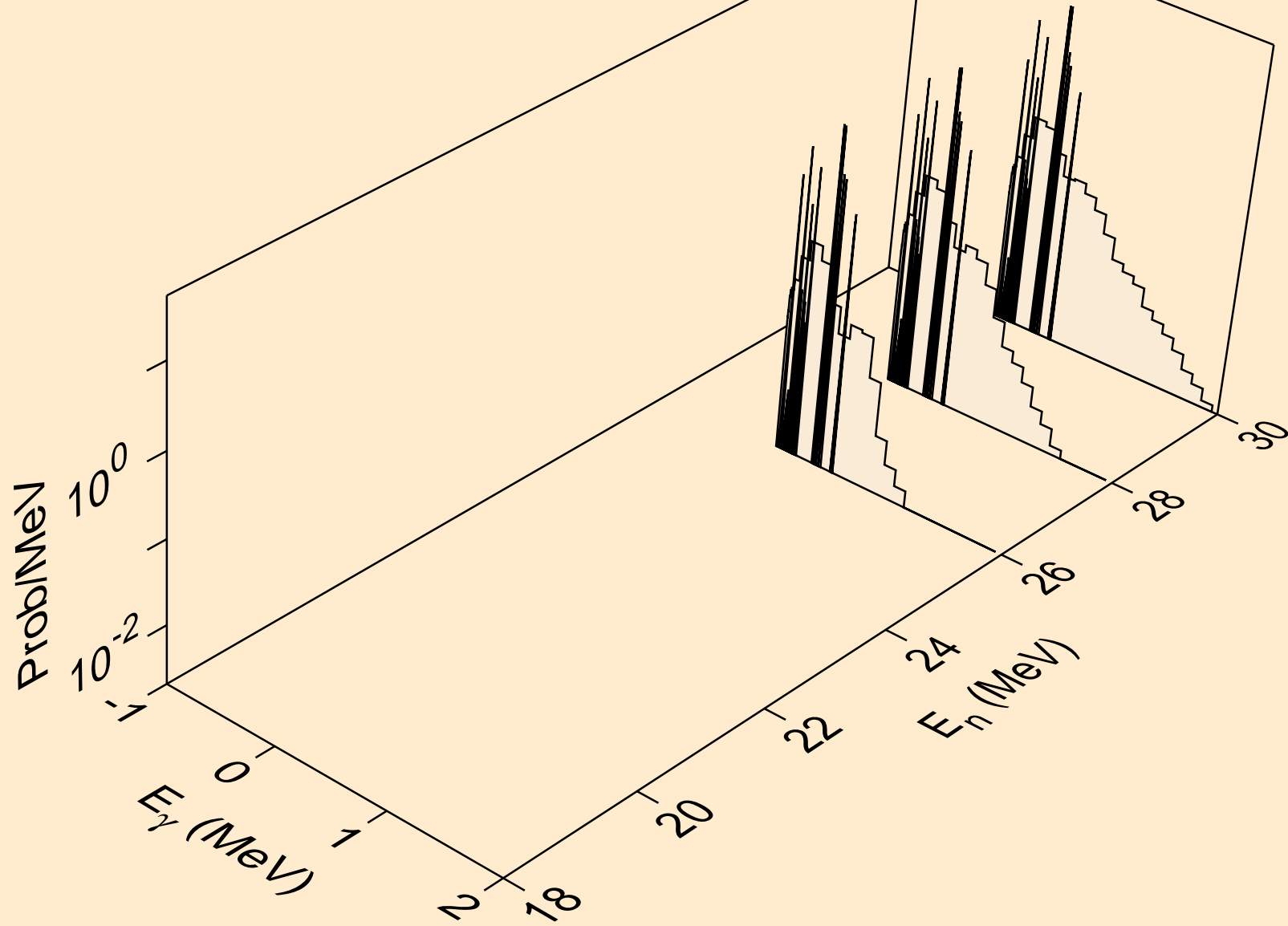
Photon emission for (n,n\*)d



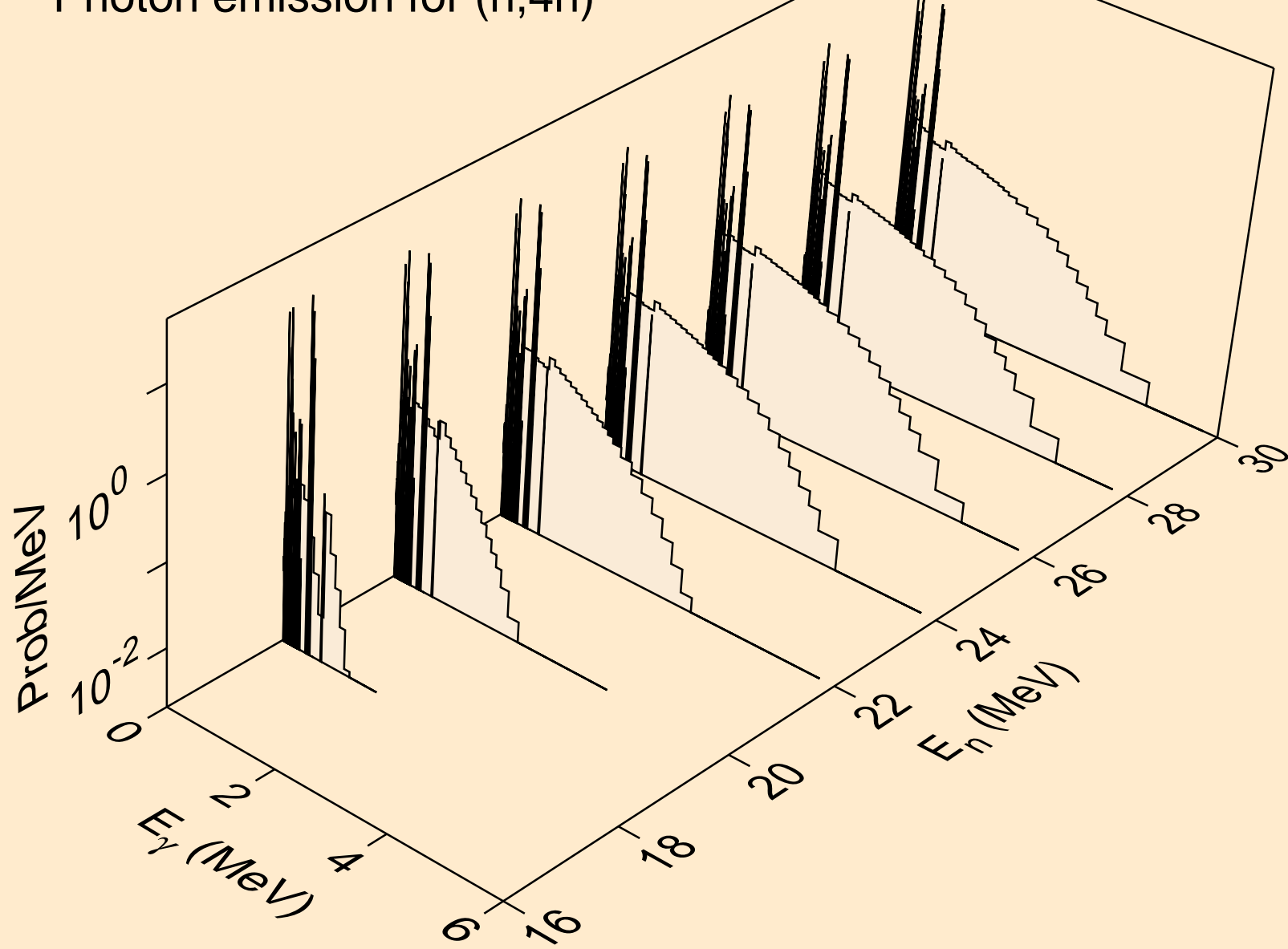
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Photon emission for (n,n\*)t



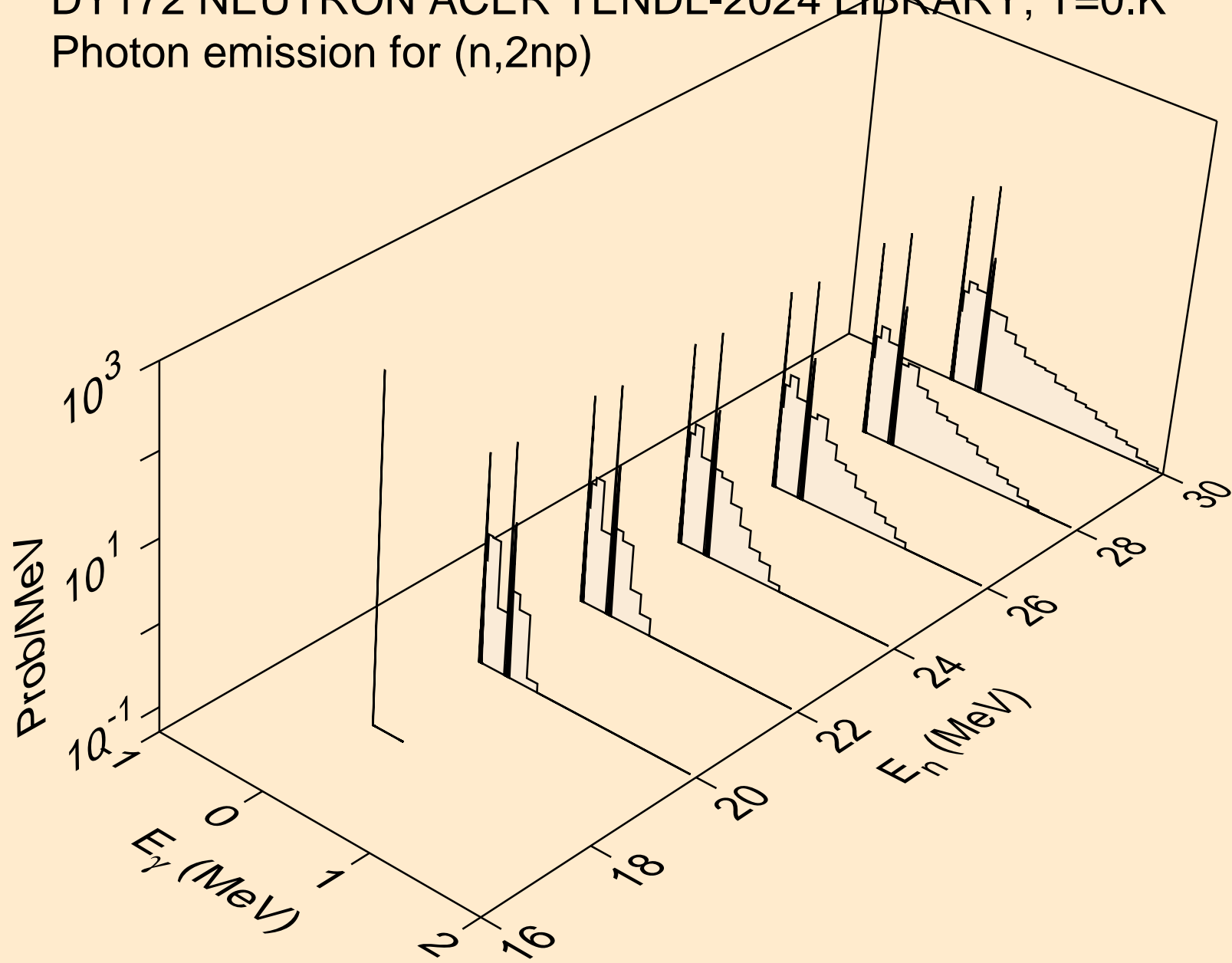
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Photon emission for (n,n\*)he3



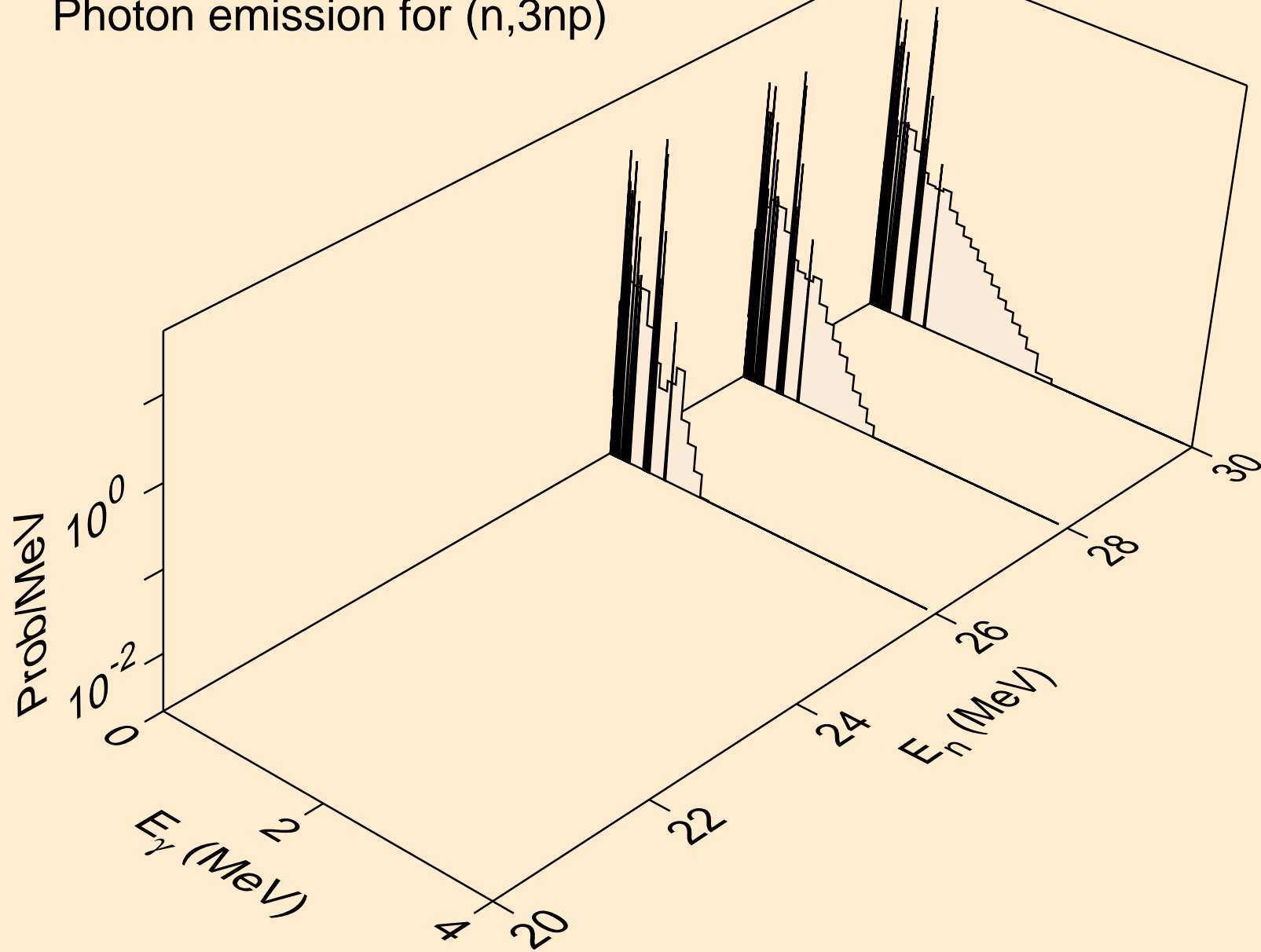
DY172 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,4n)



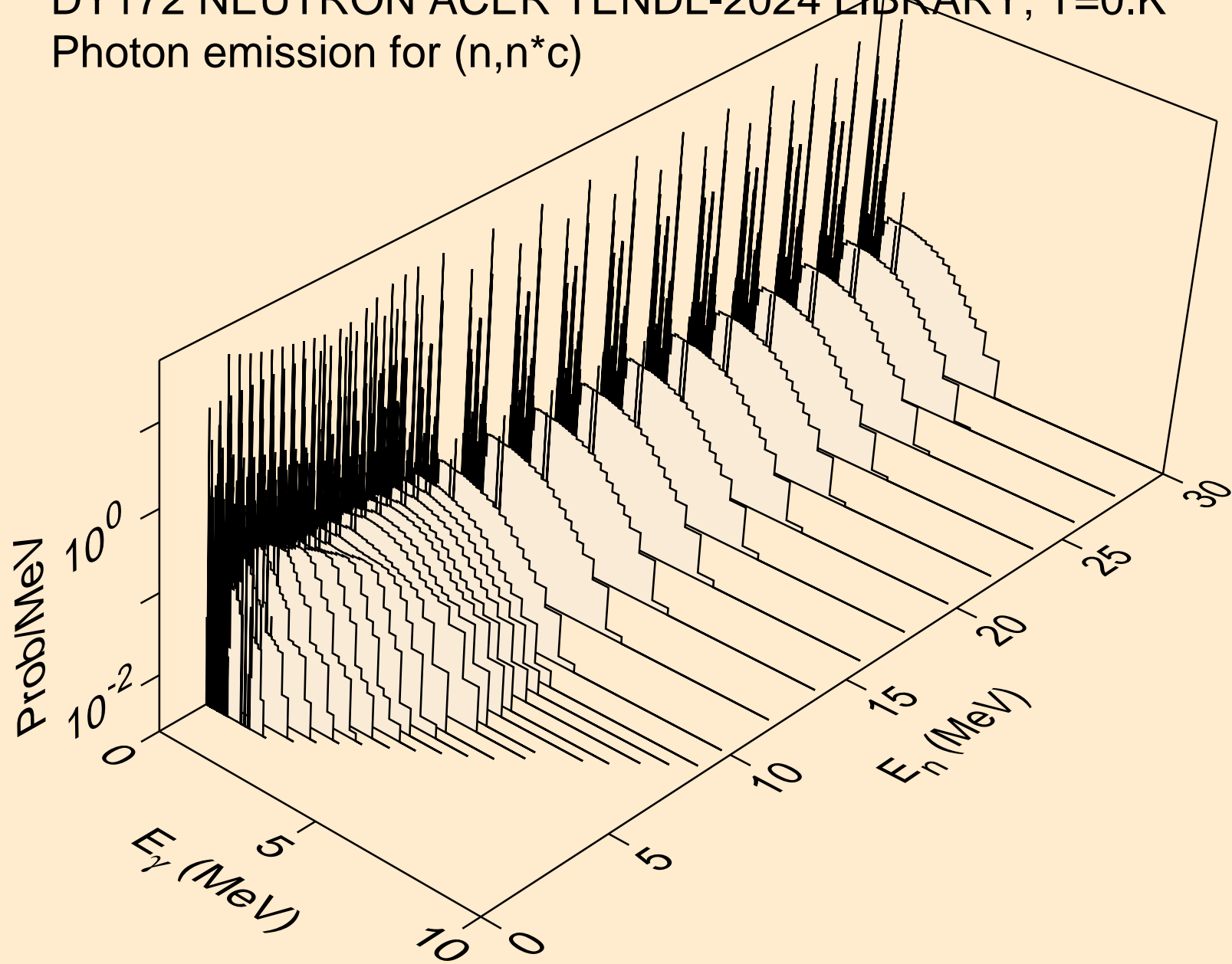
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Photon emission for (n,2np)



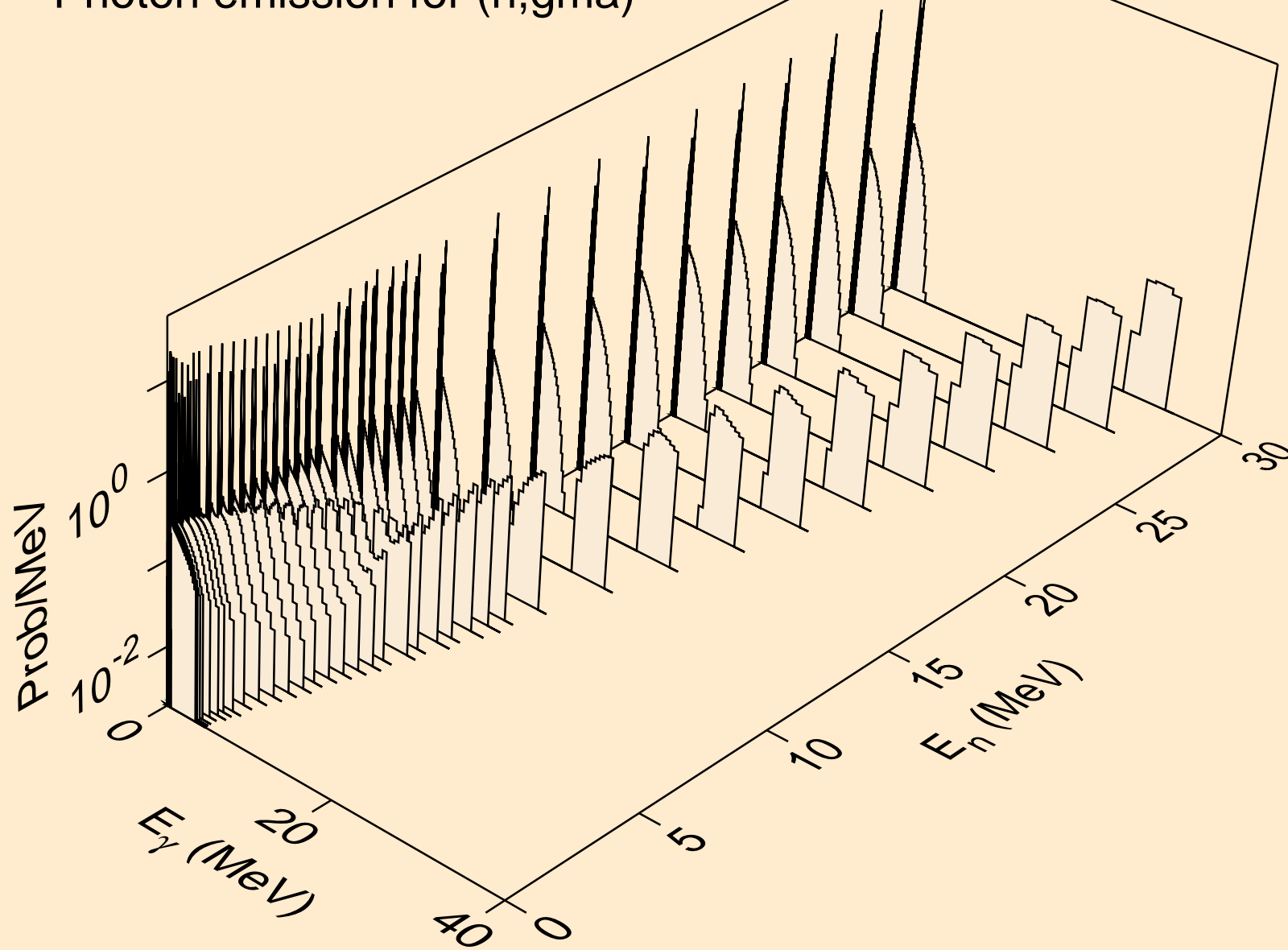
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Photon emission for (n,3np)



DY172 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*c)

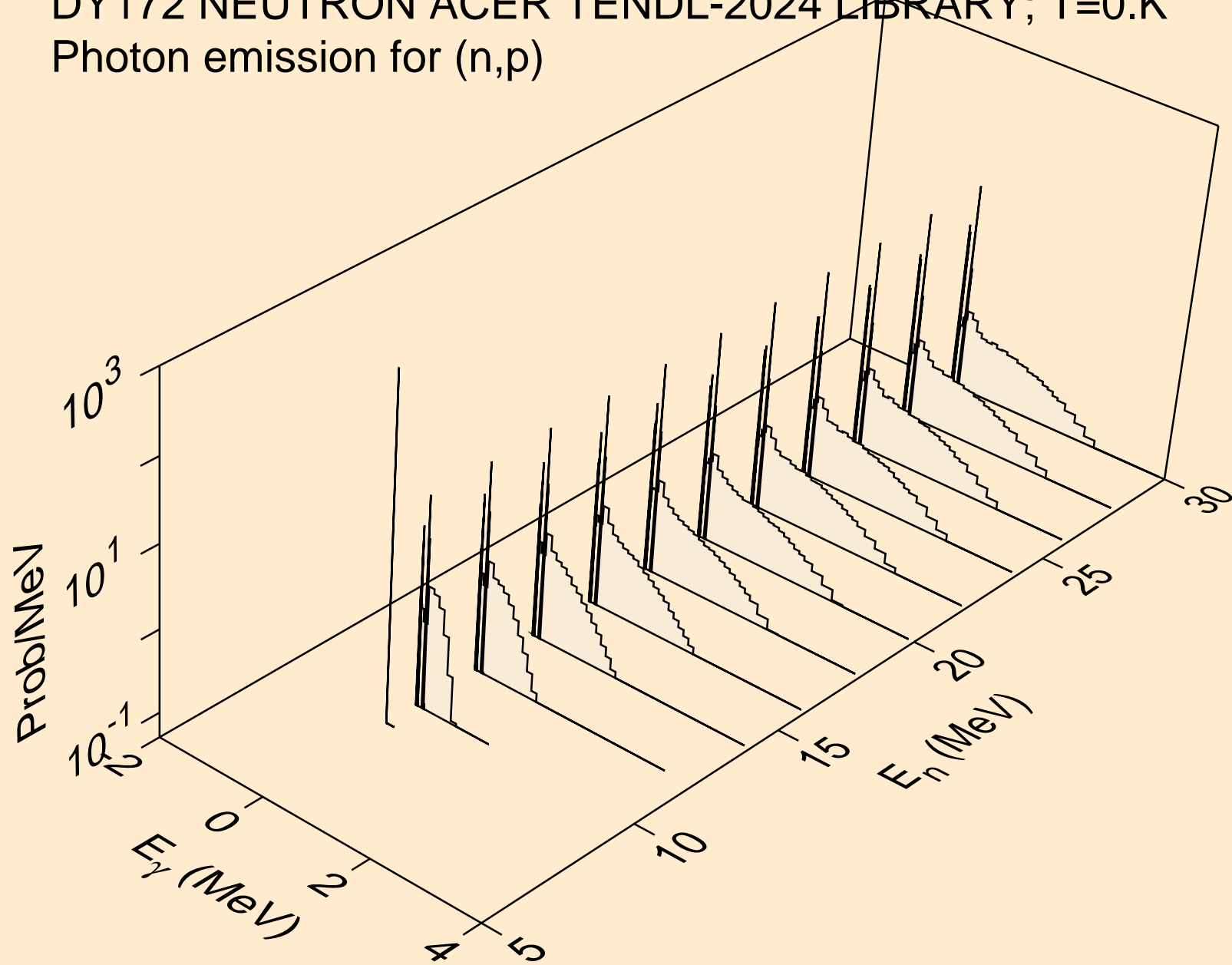


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Photon emission for (n,gma)

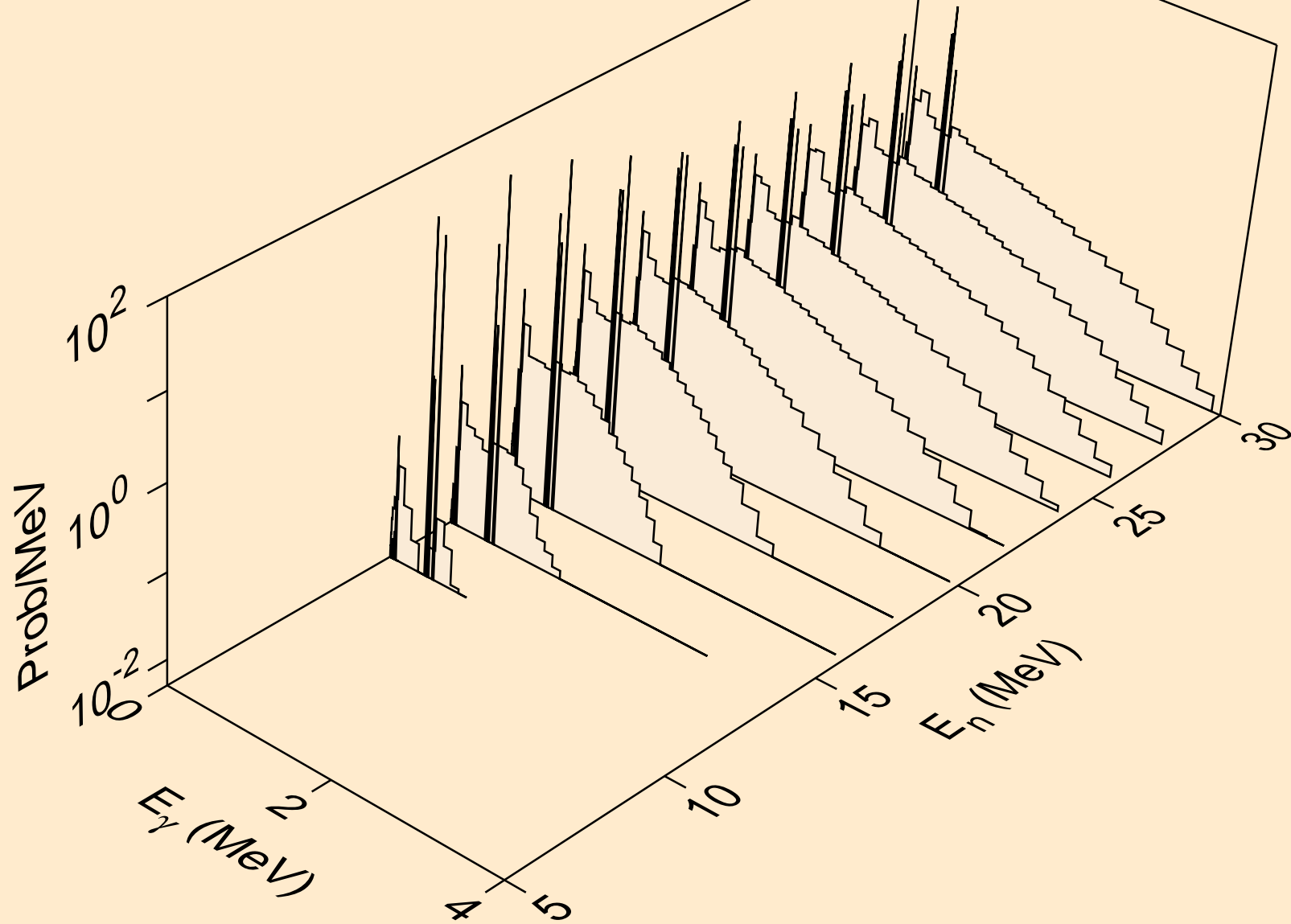




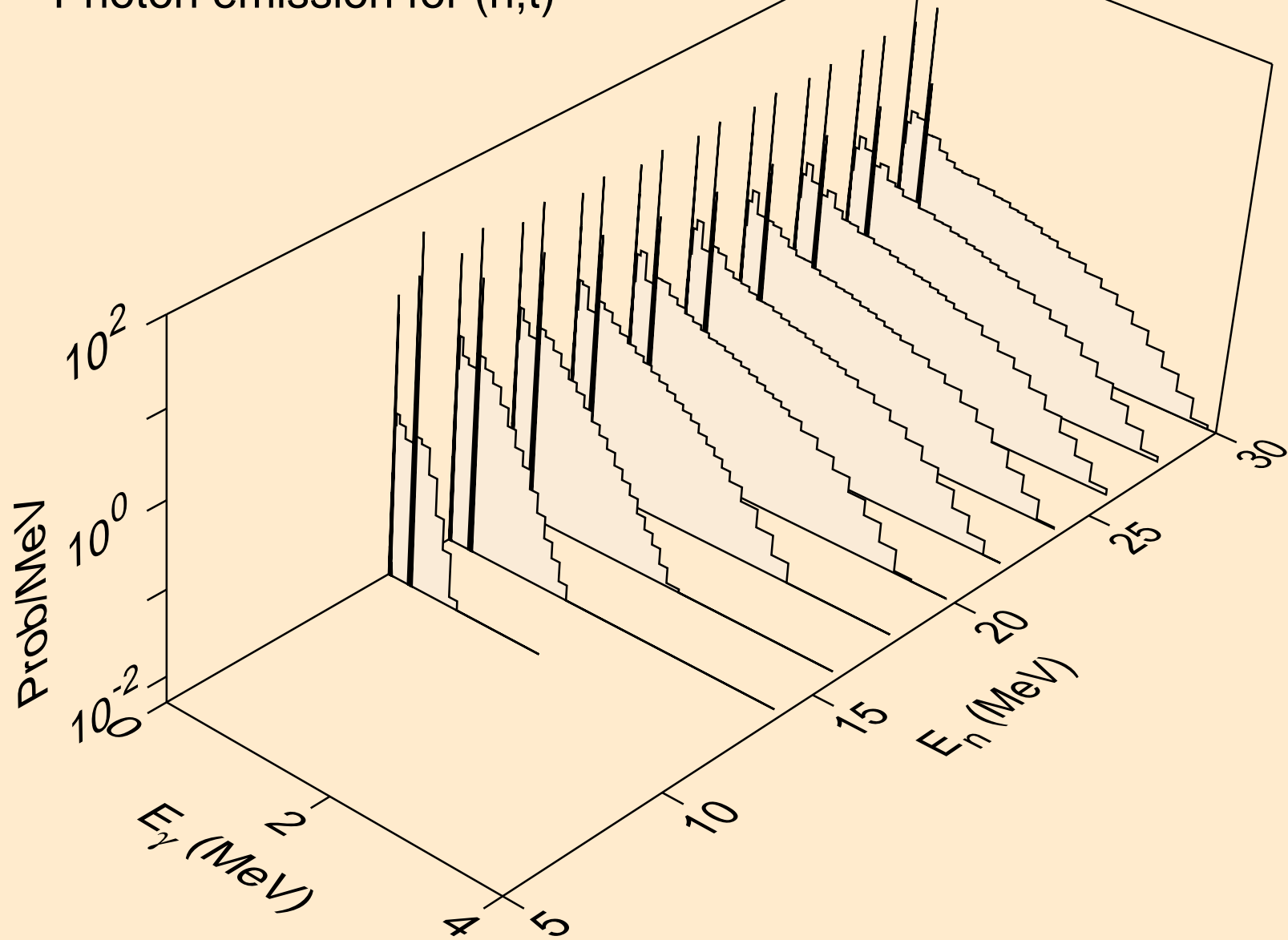
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Photon emission for (n,p)



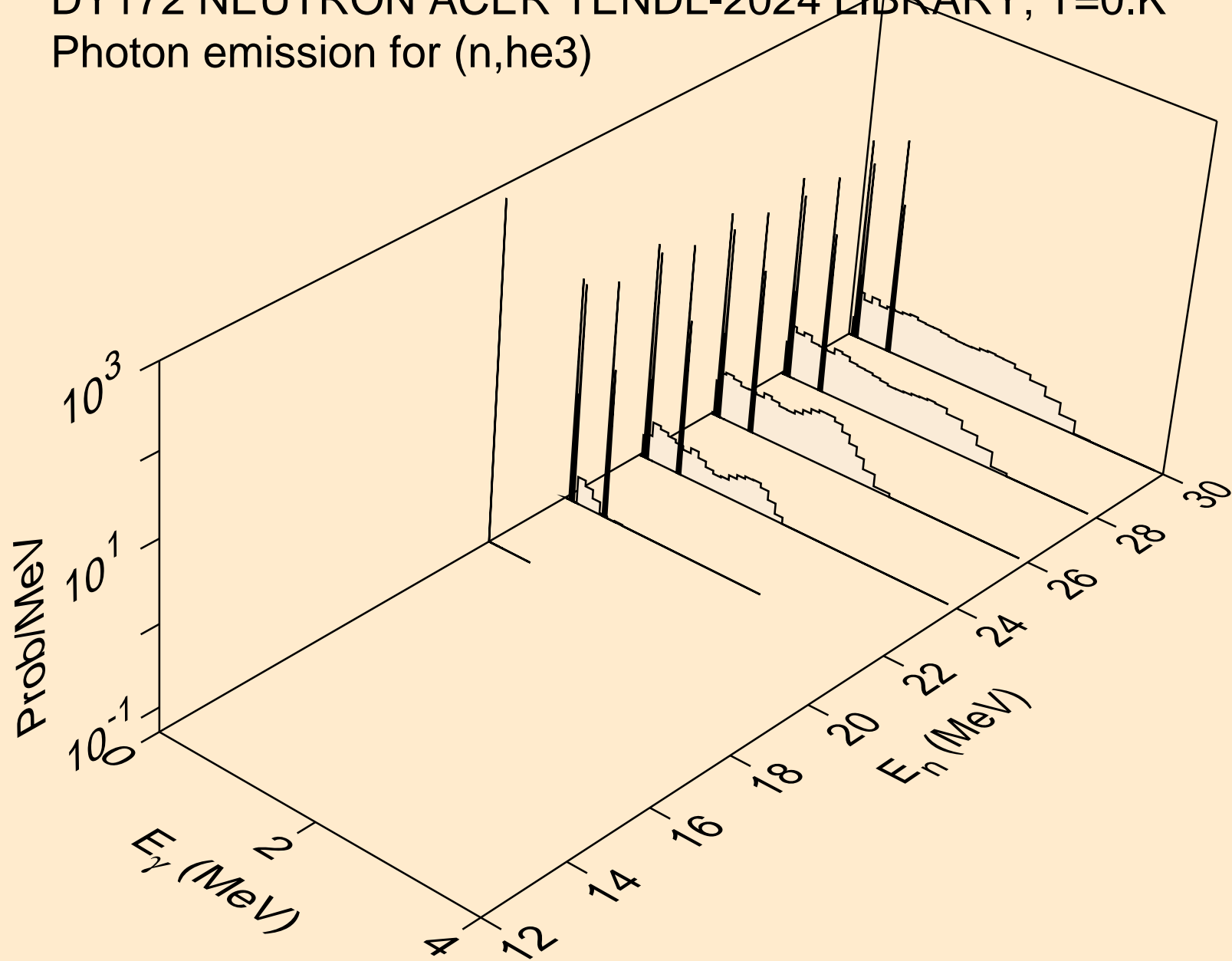
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Photon emission for (n,d)



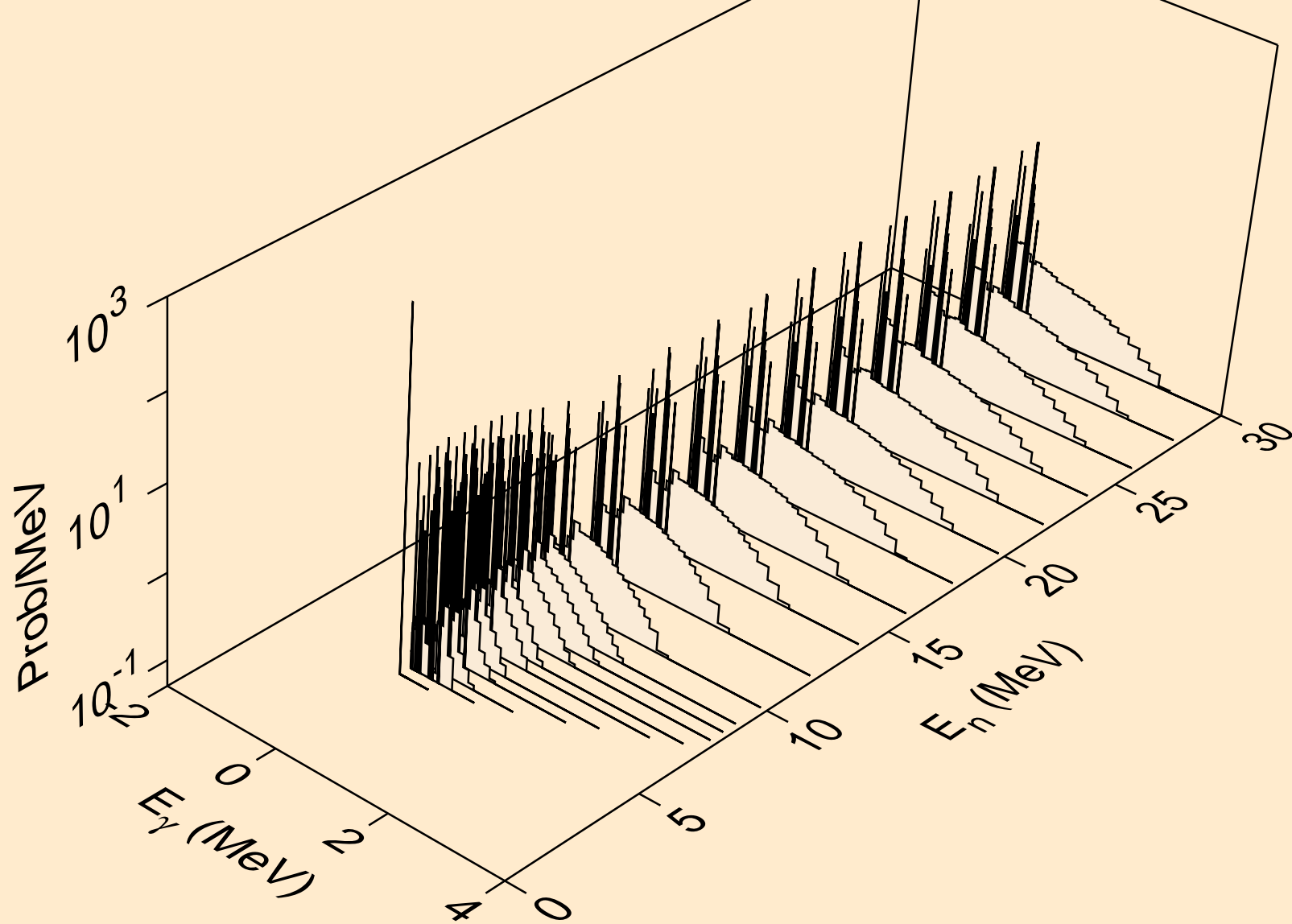
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Photon emission for (n,t)



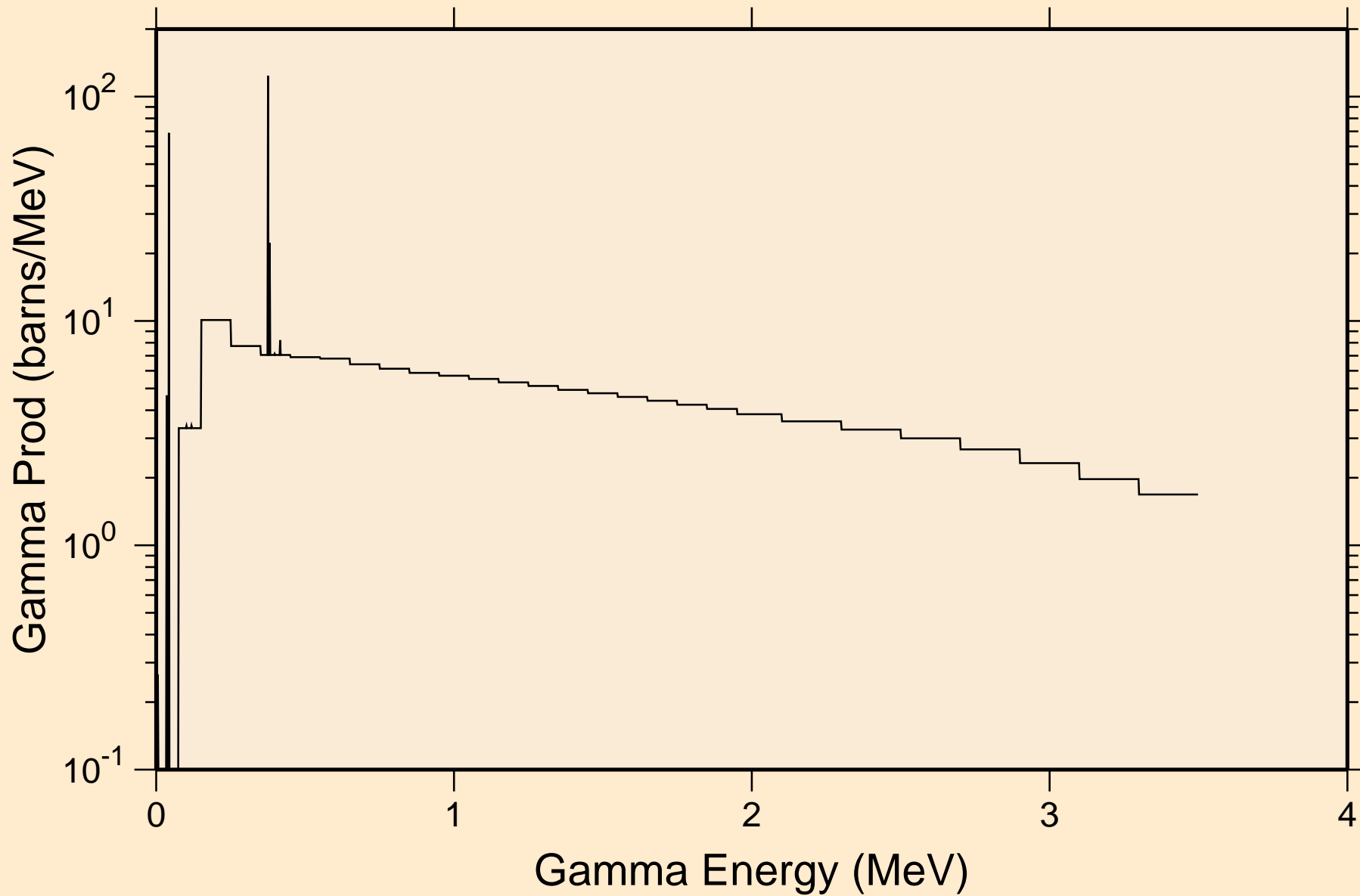
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Photon emission for (n,he3)



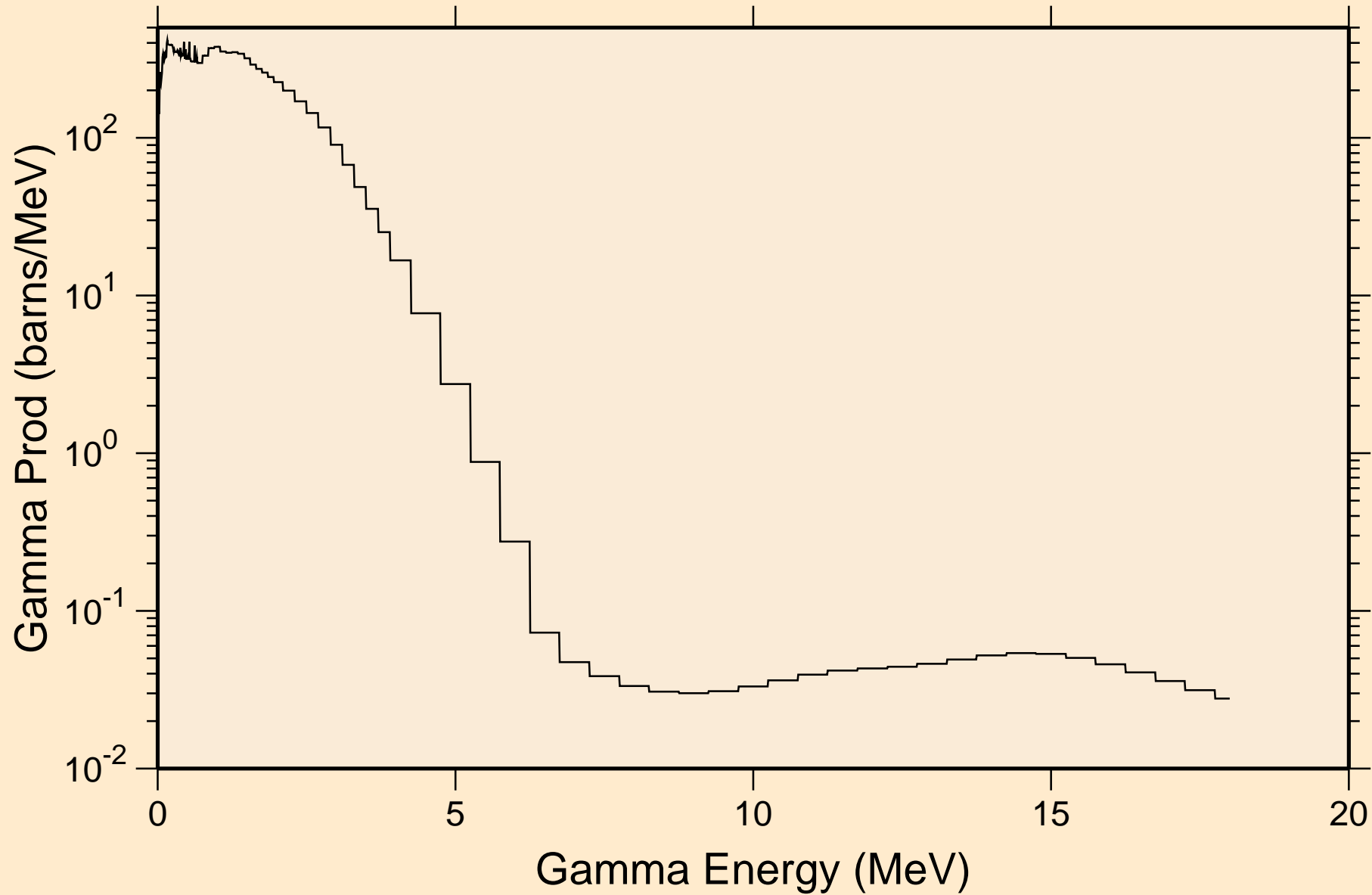
DY172 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,a)



DY172 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
thermal capture photon spectrum

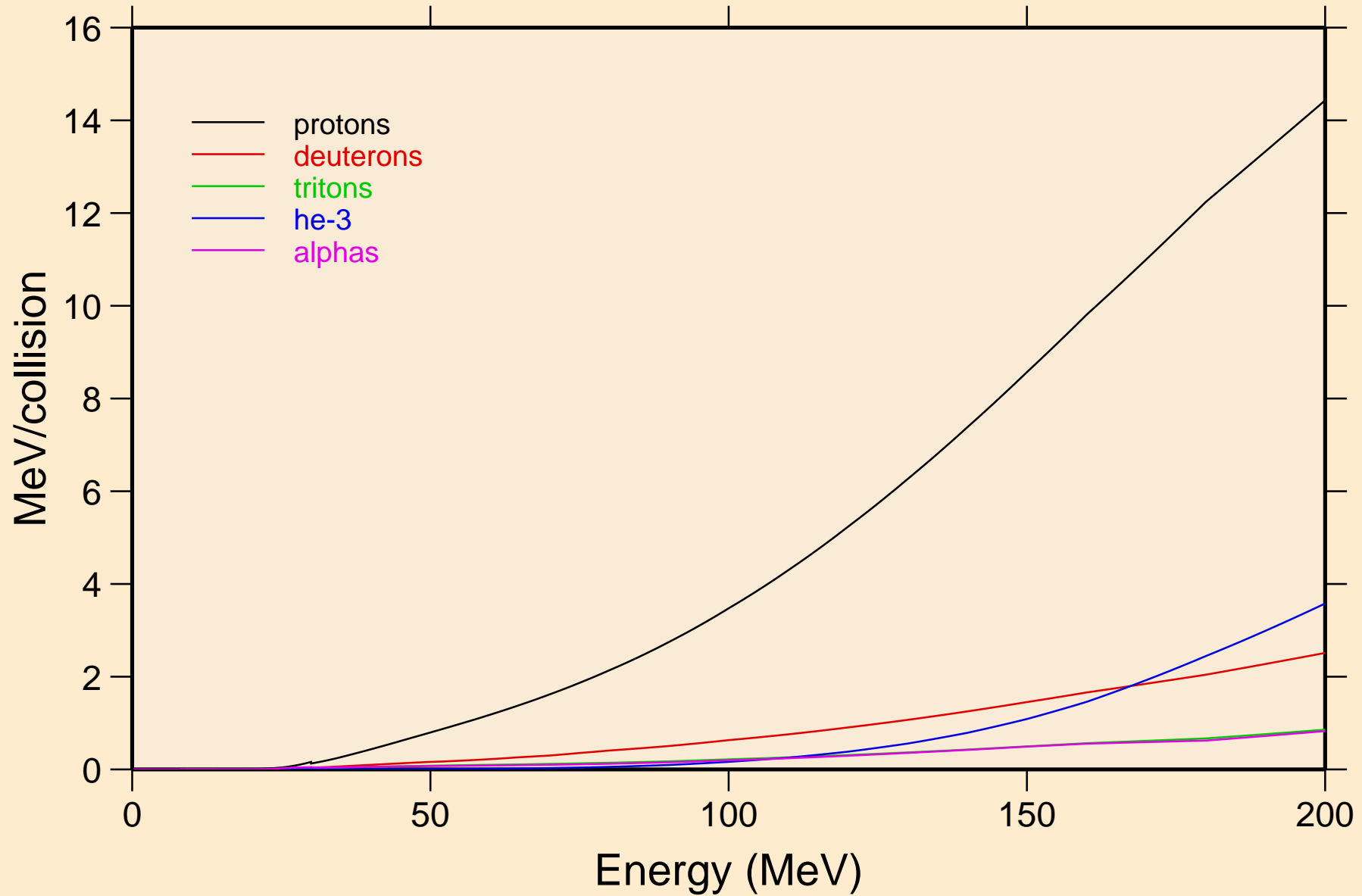


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14 MeV photon spectrum



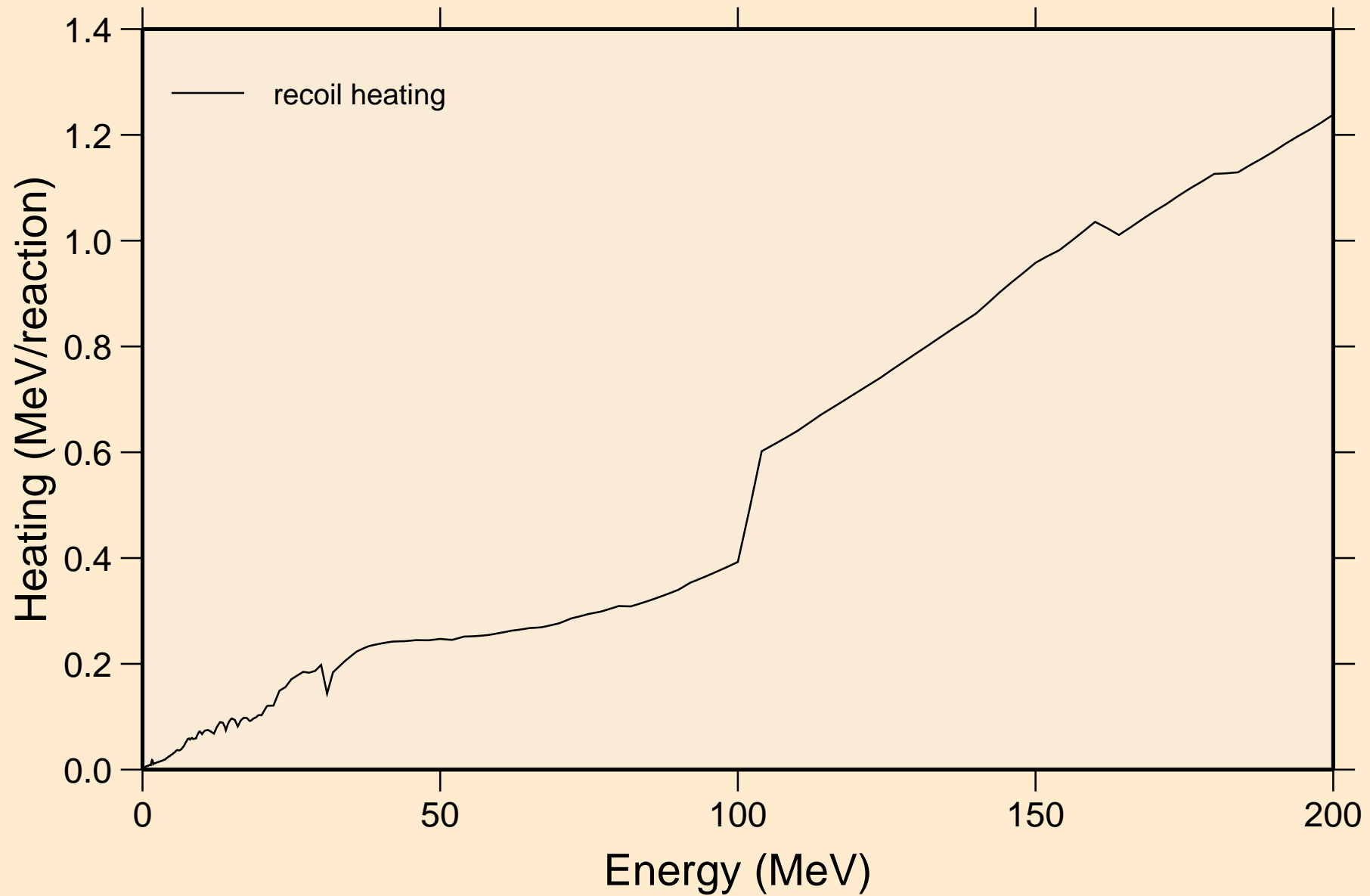
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## Particle heating contributions

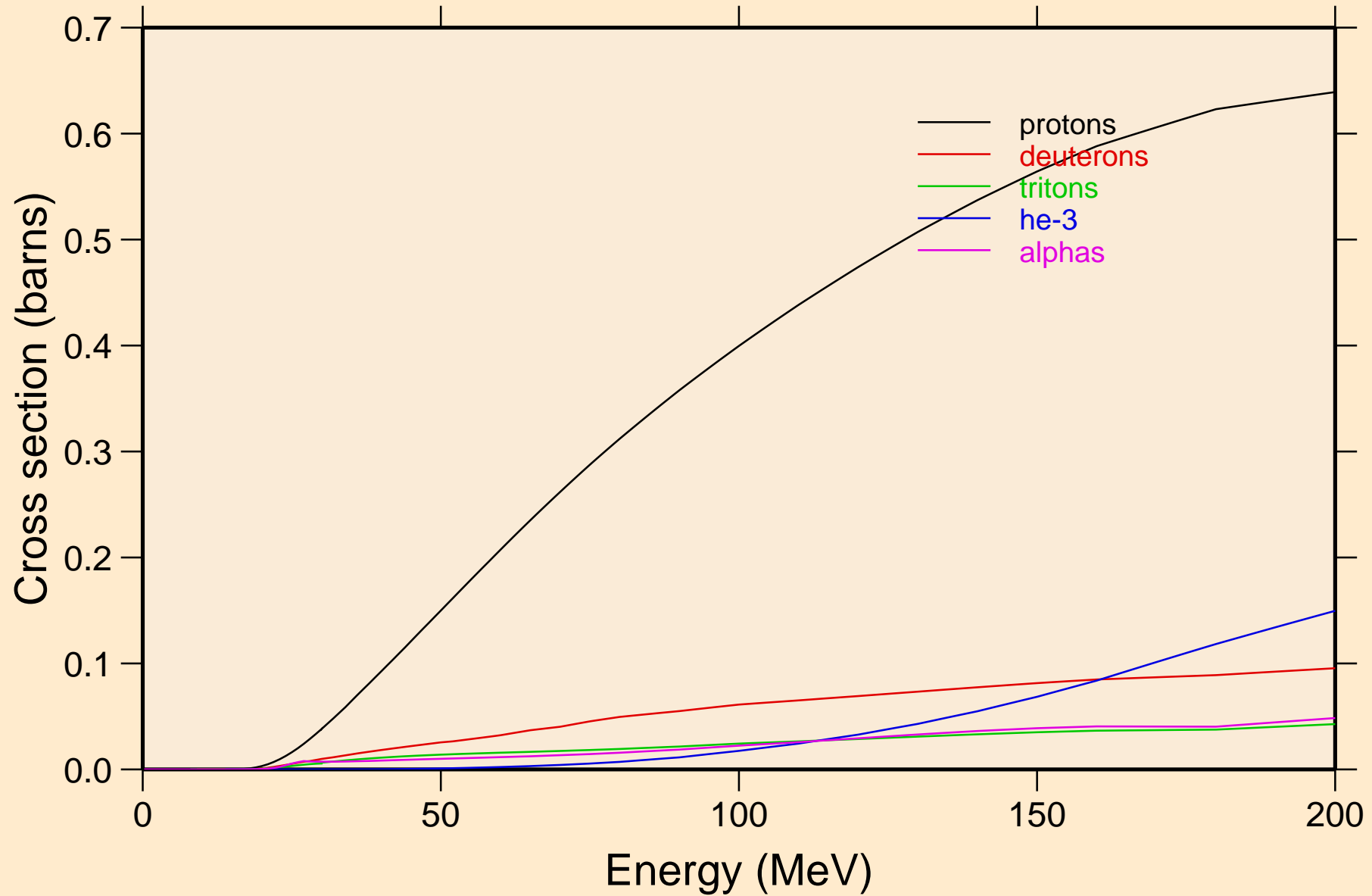




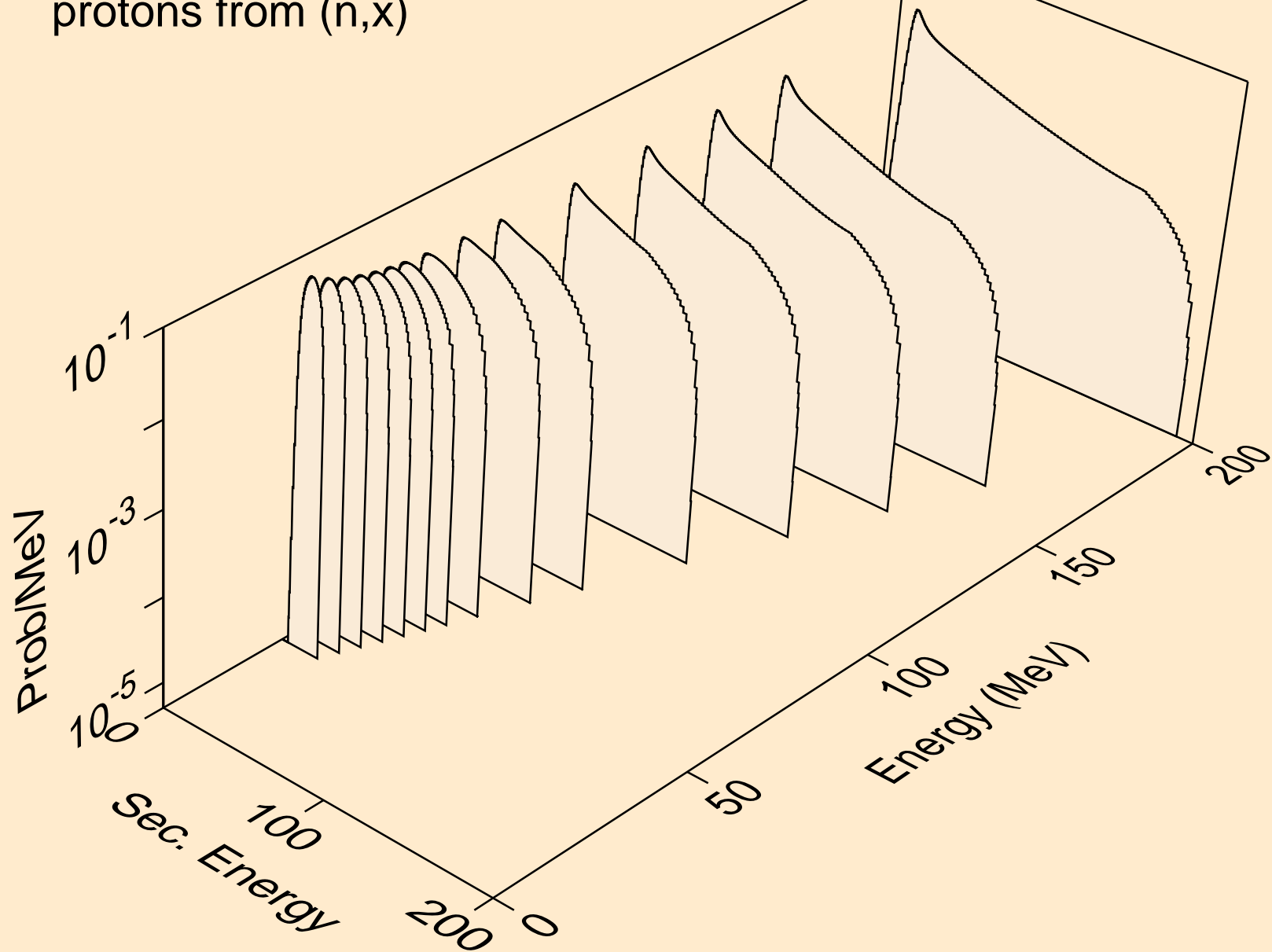
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Recoil Heating



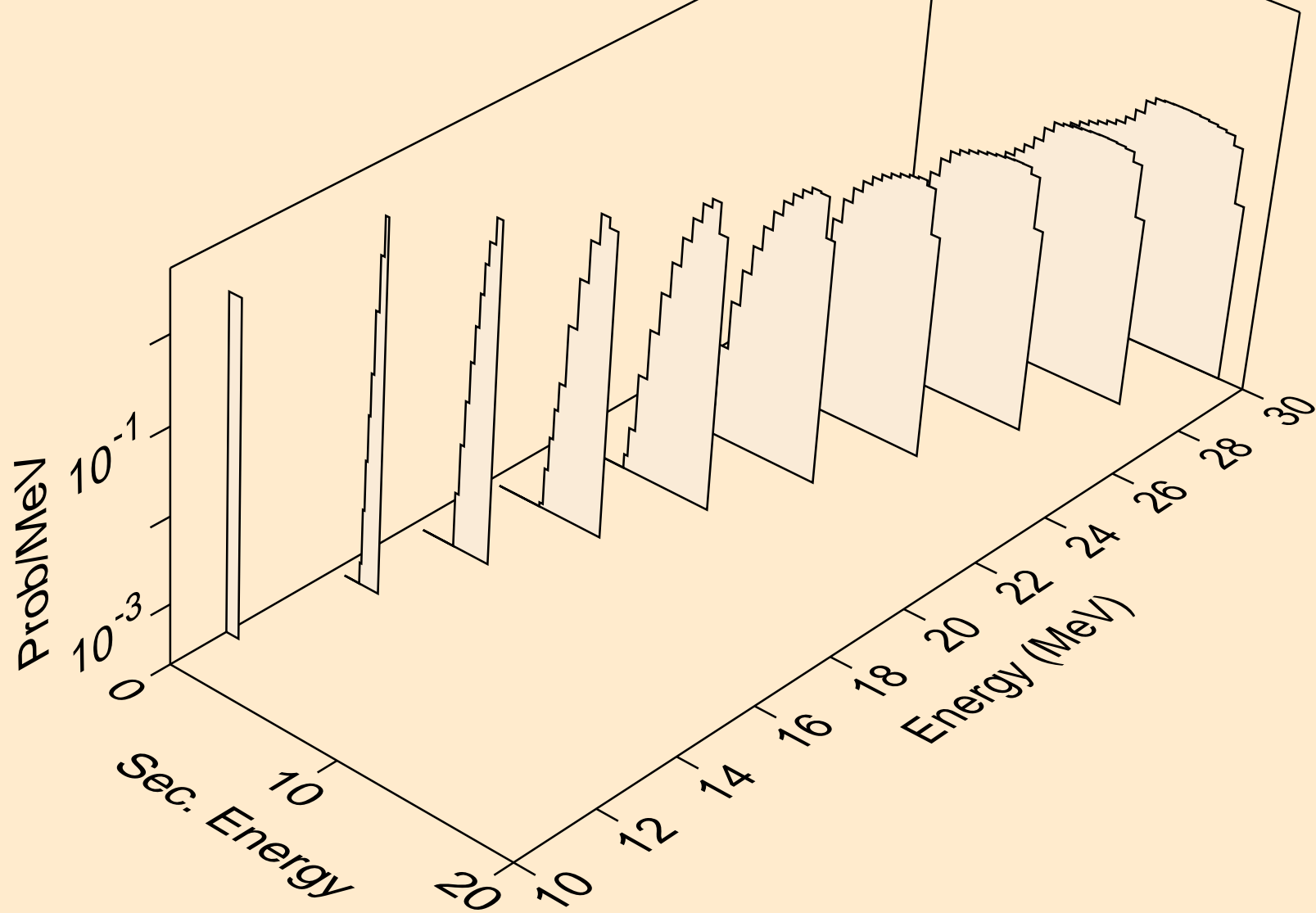
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Particle production cross sections



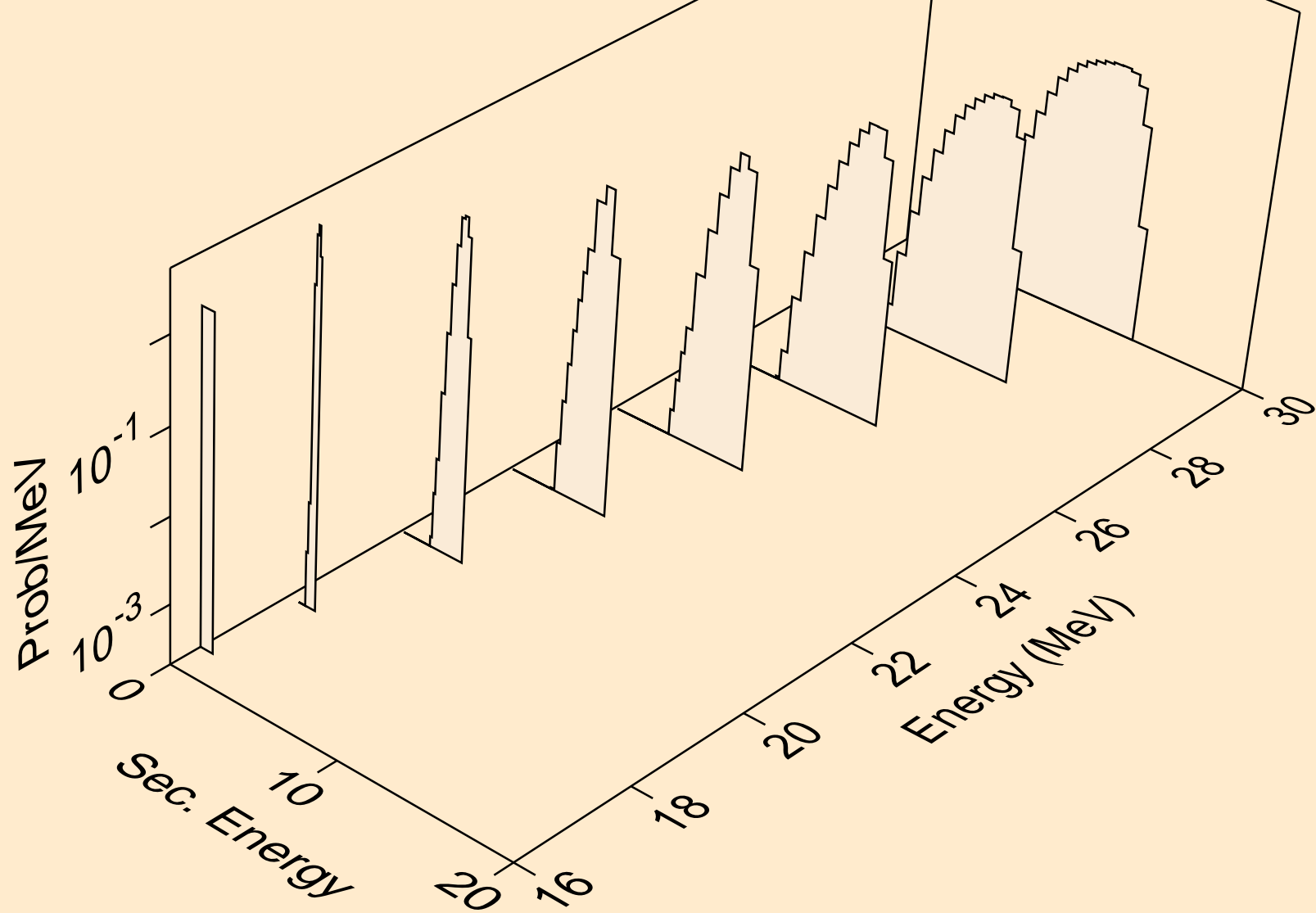
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protons from (n,x)



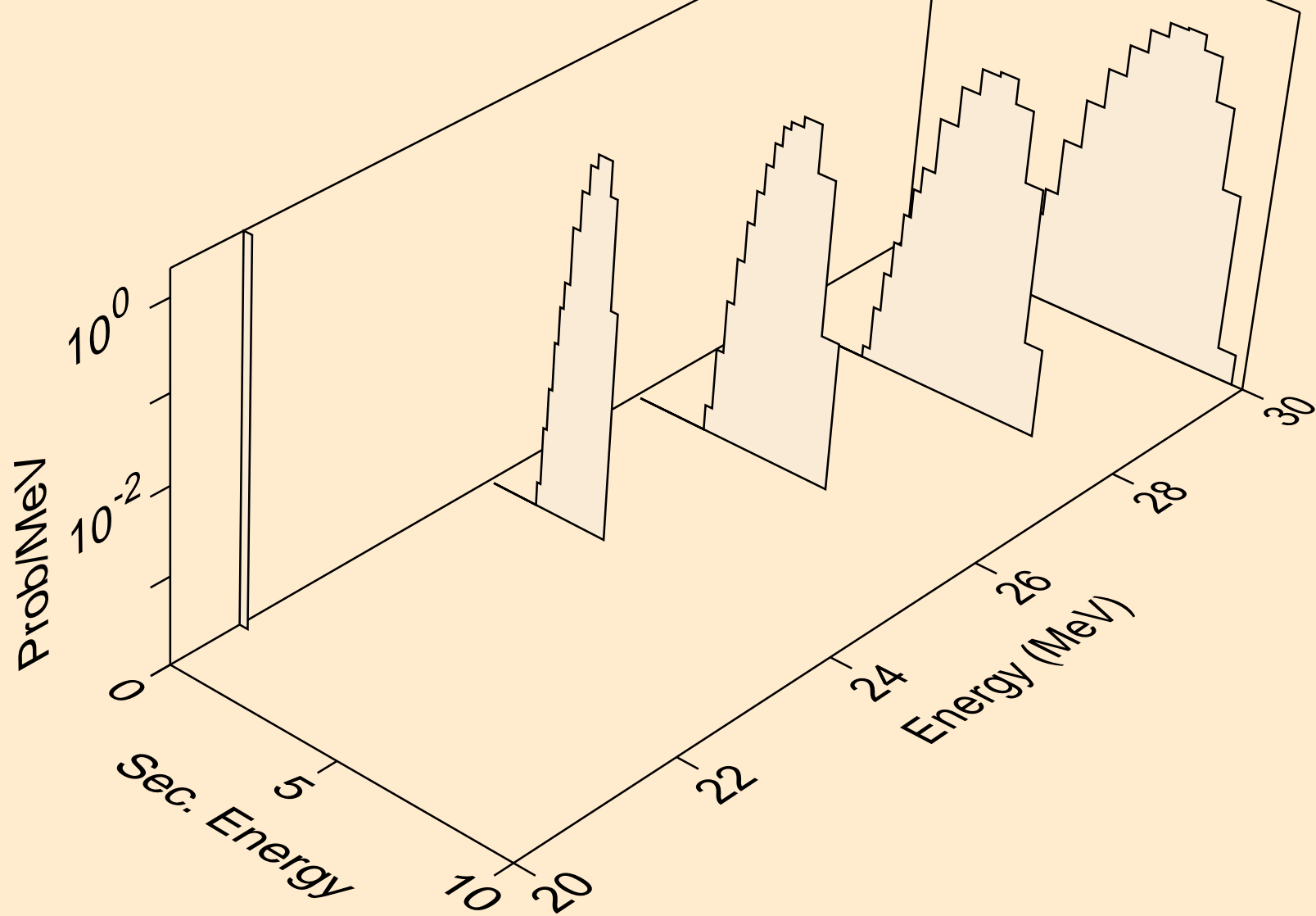
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protons from (n,n\*)p



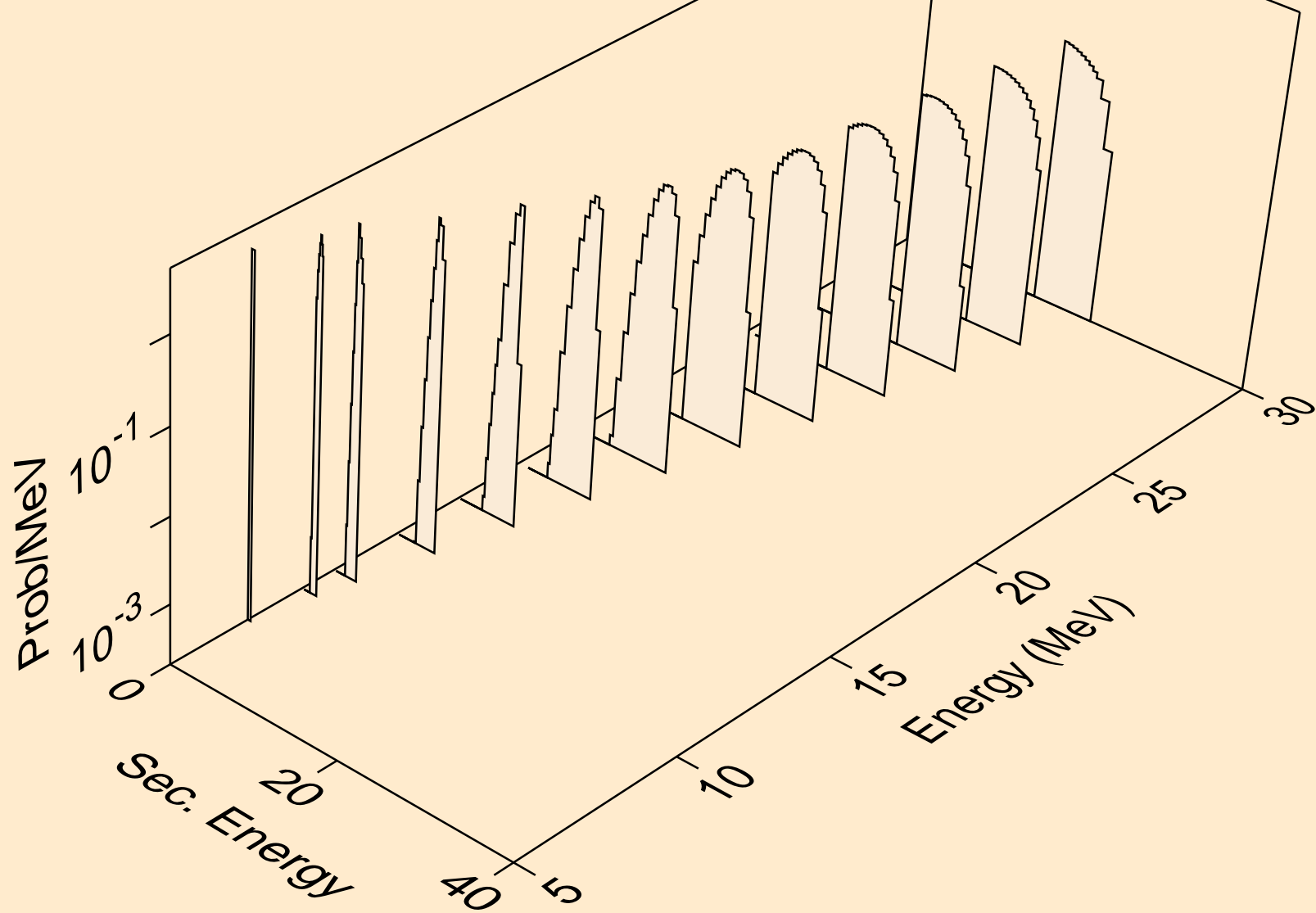
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protons from (n,2np)



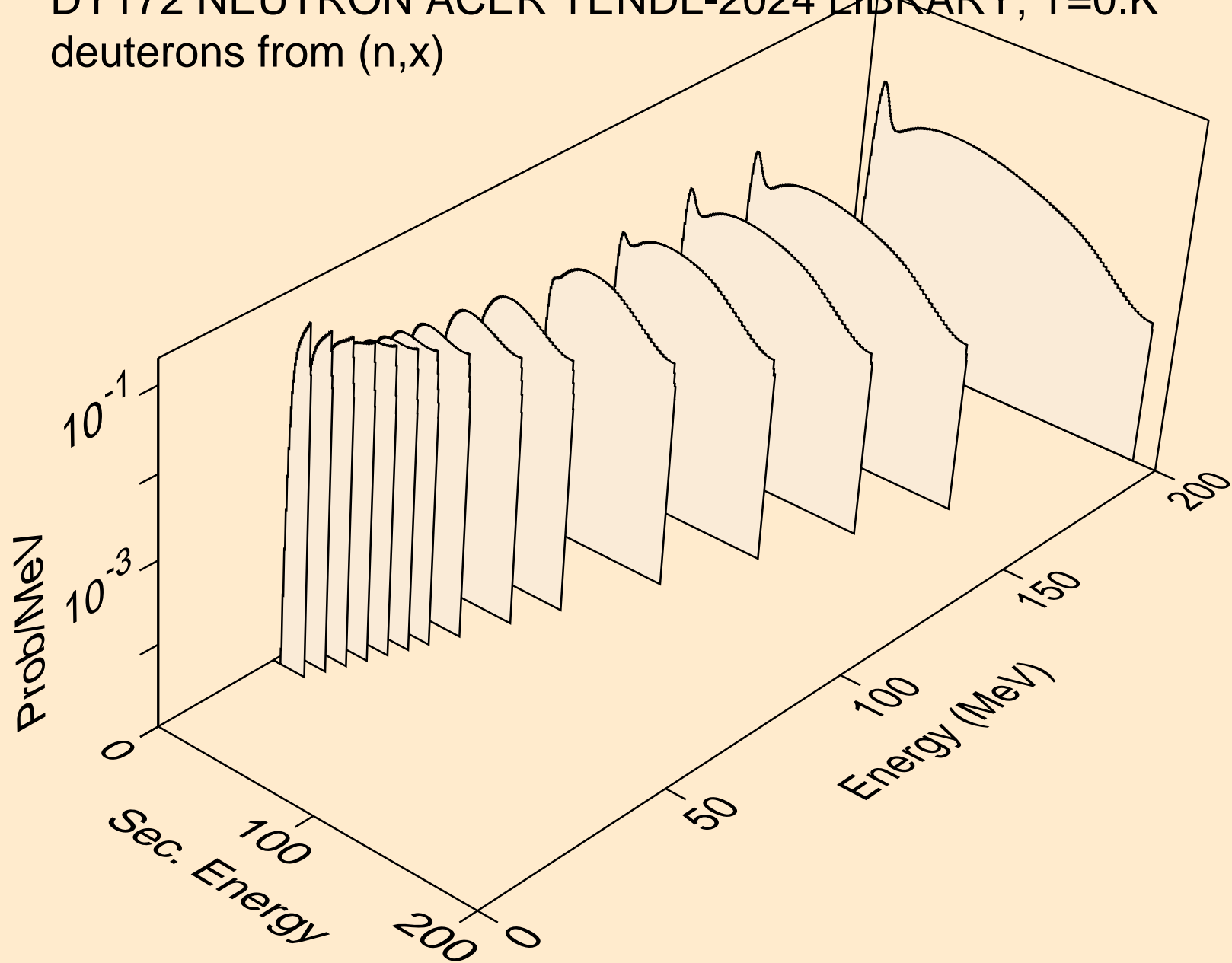
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protons from (n,3np)



DY172 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,p)

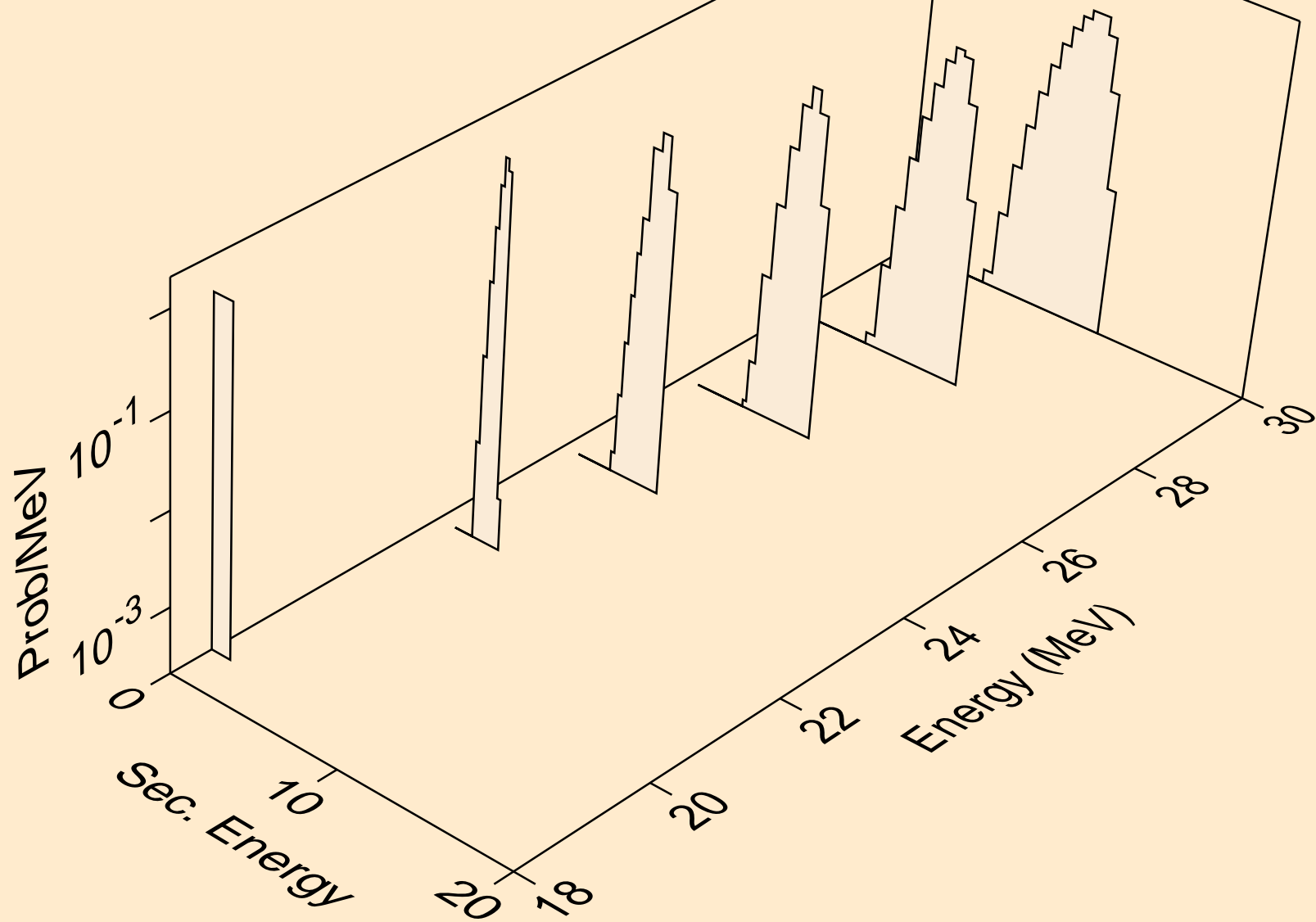


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deuterons from (n,x)

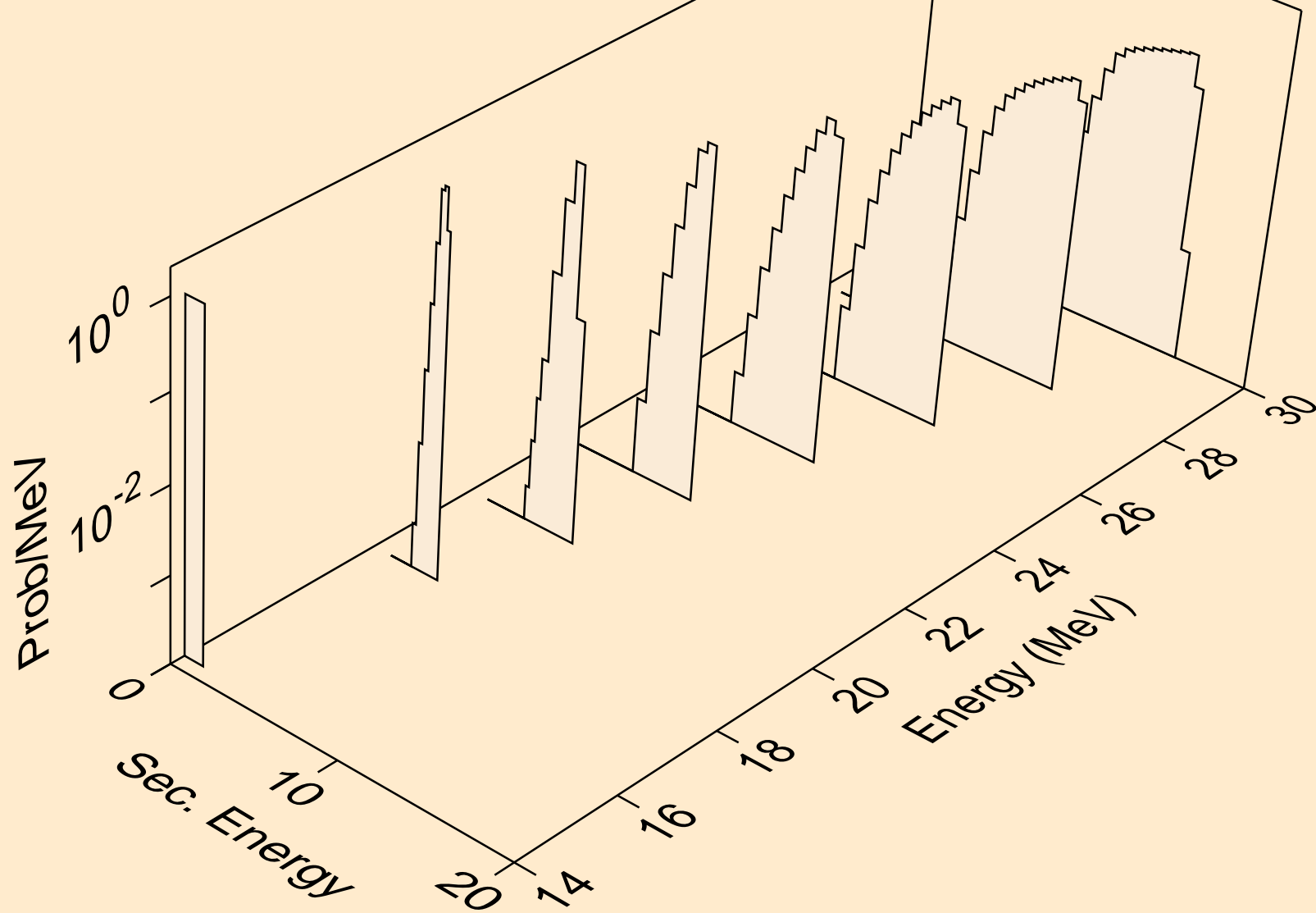




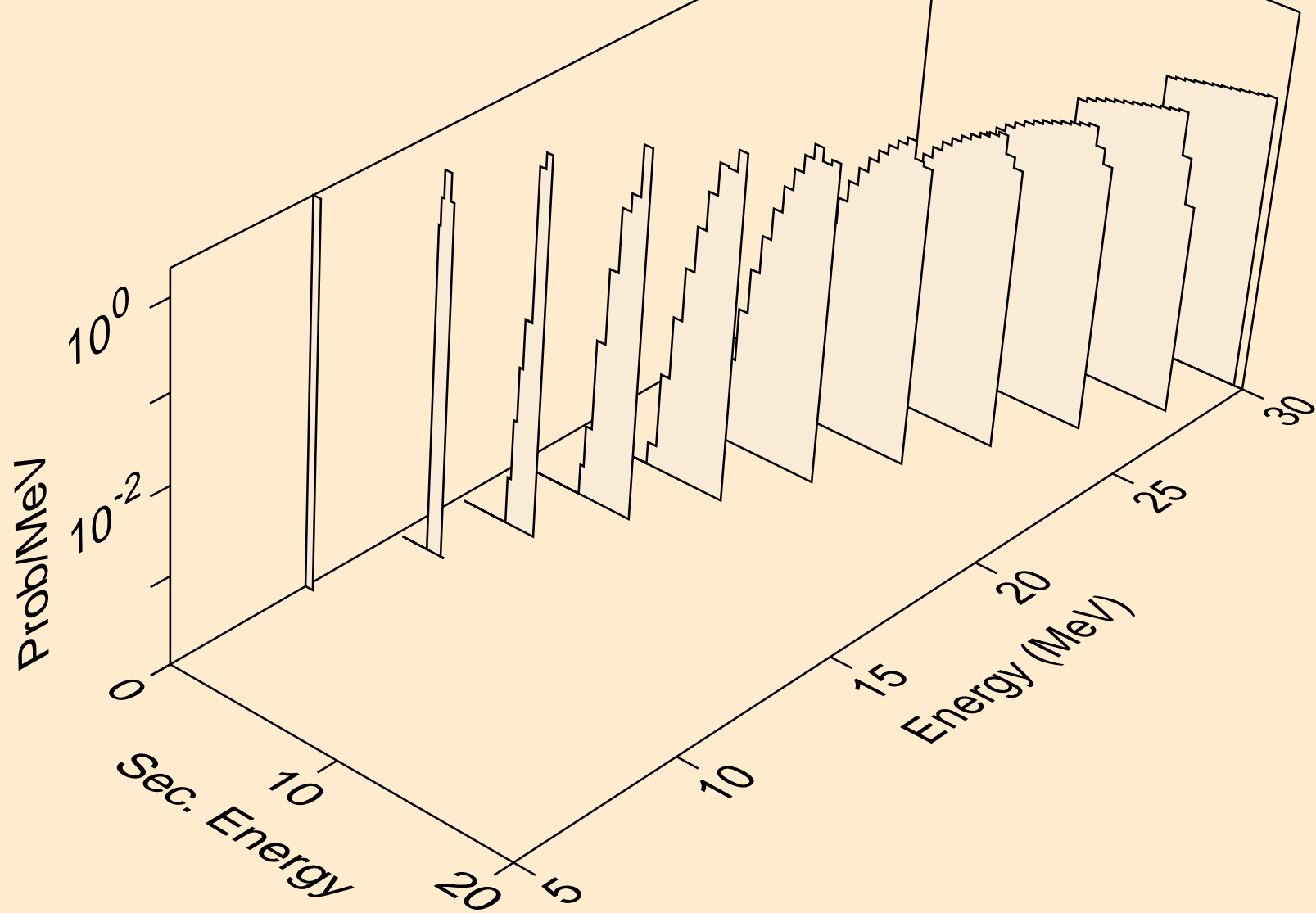
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deuterons from (n,2nd)



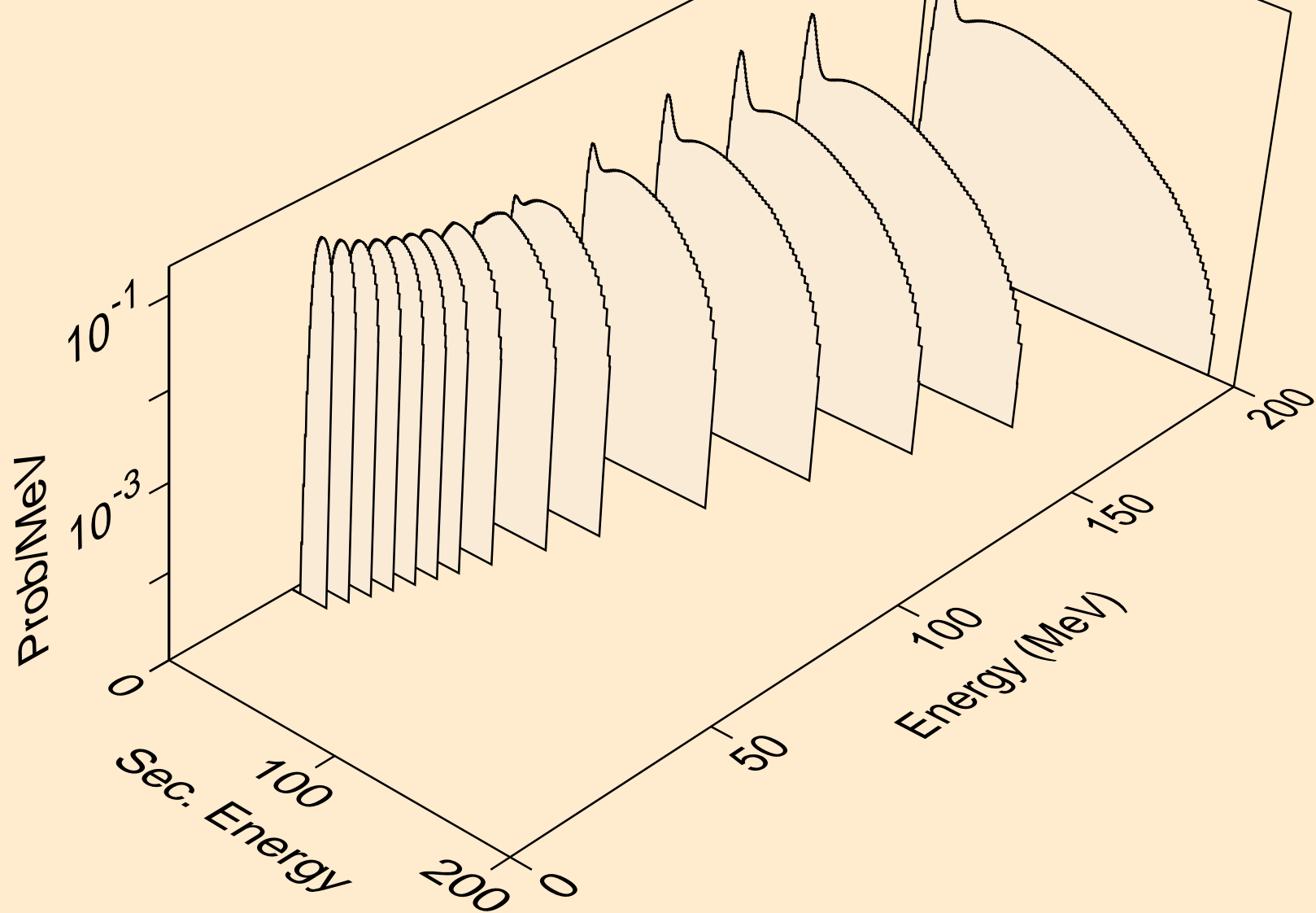
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deuterons from (n,n\*)d



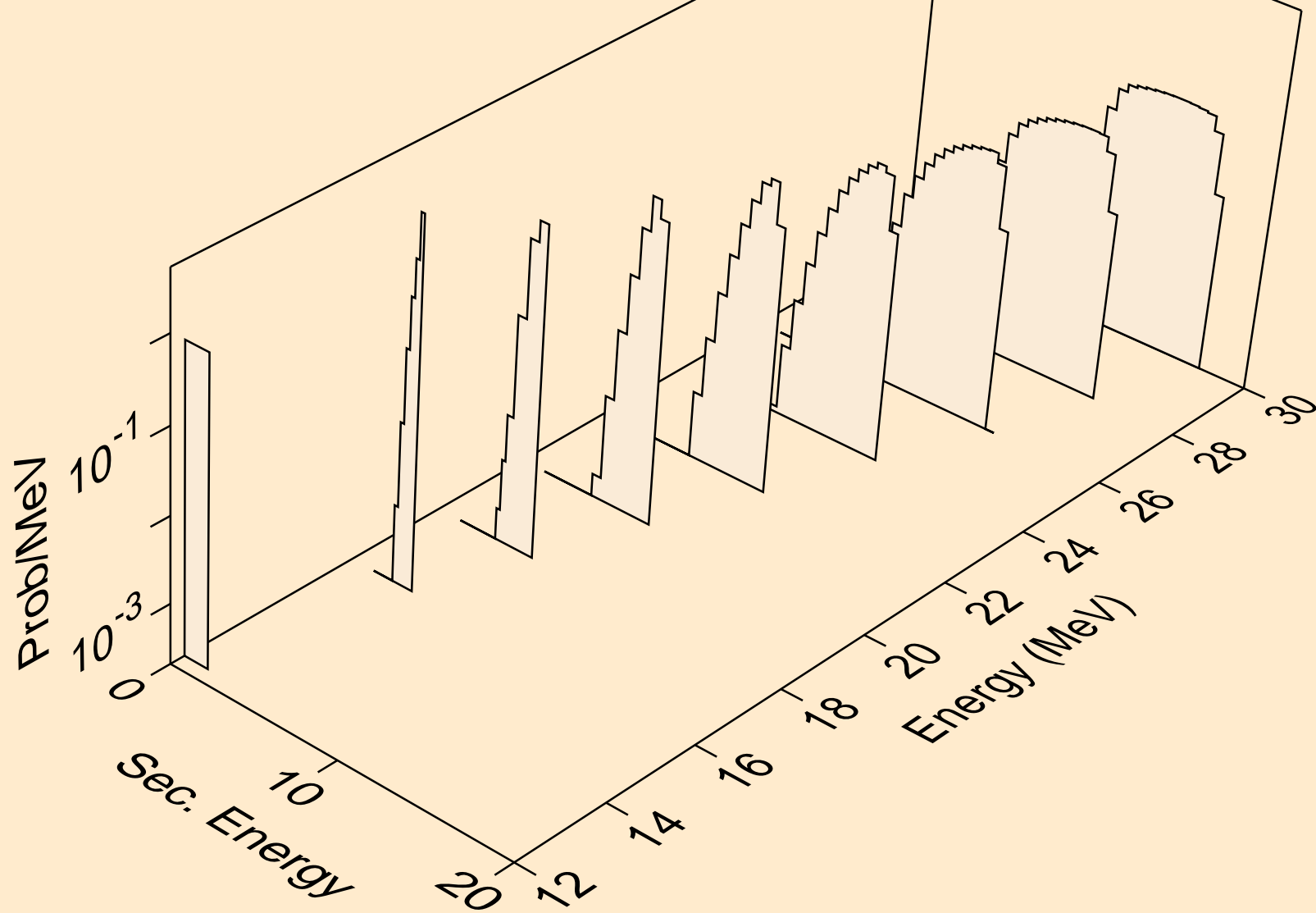
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deuterons from (n,d)



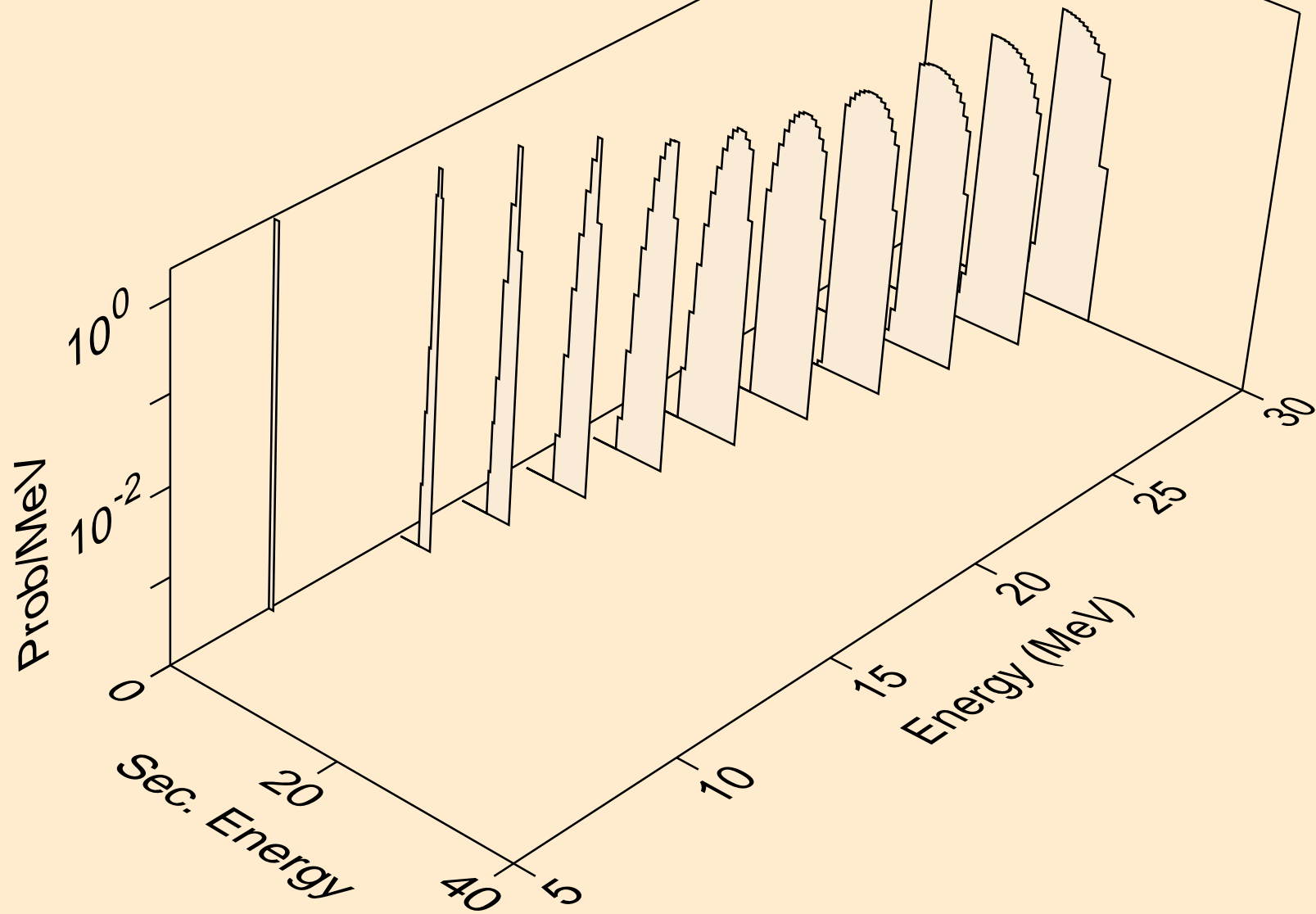
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tritons from (n,x)



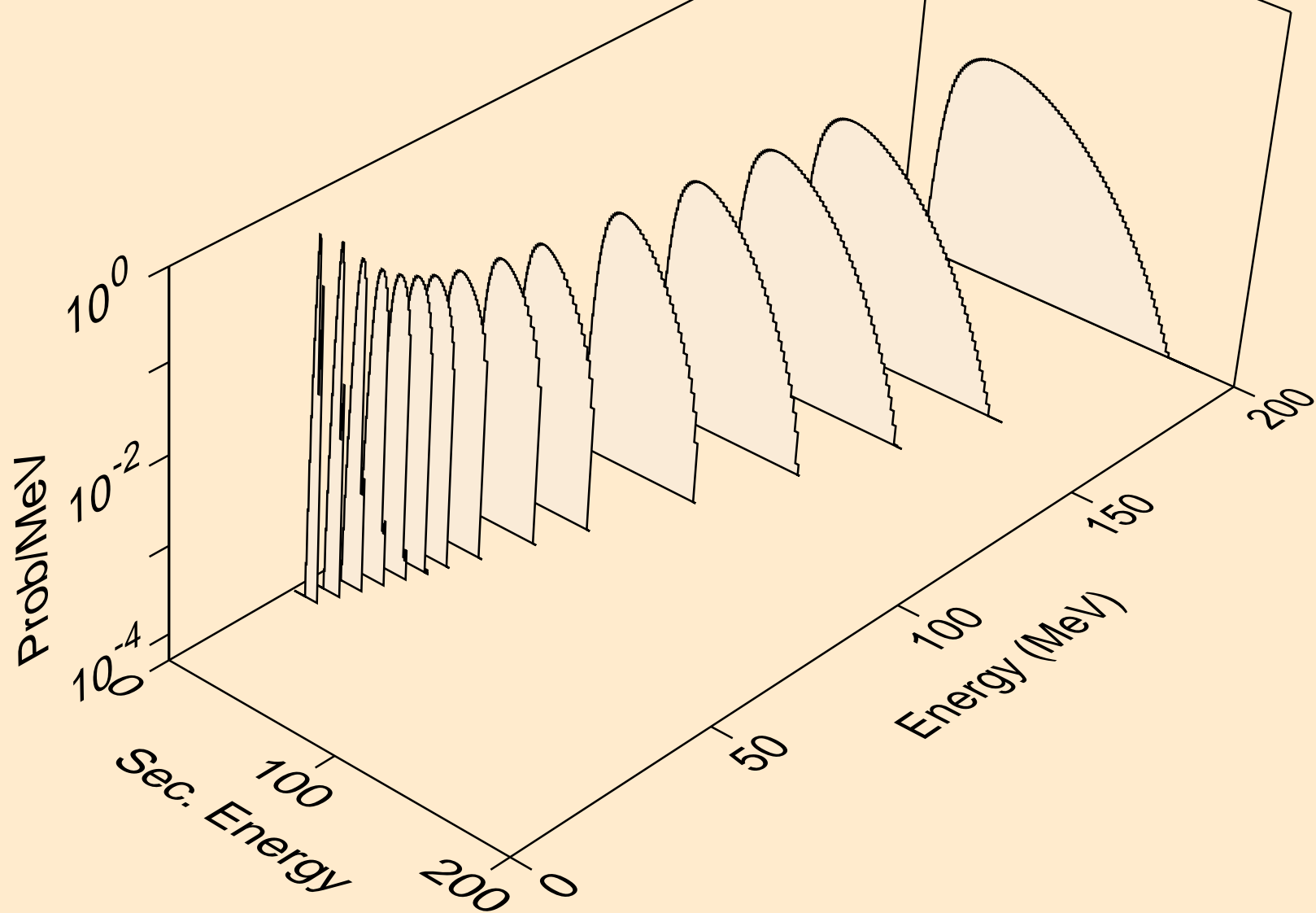
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tritons from (n,n\*)t



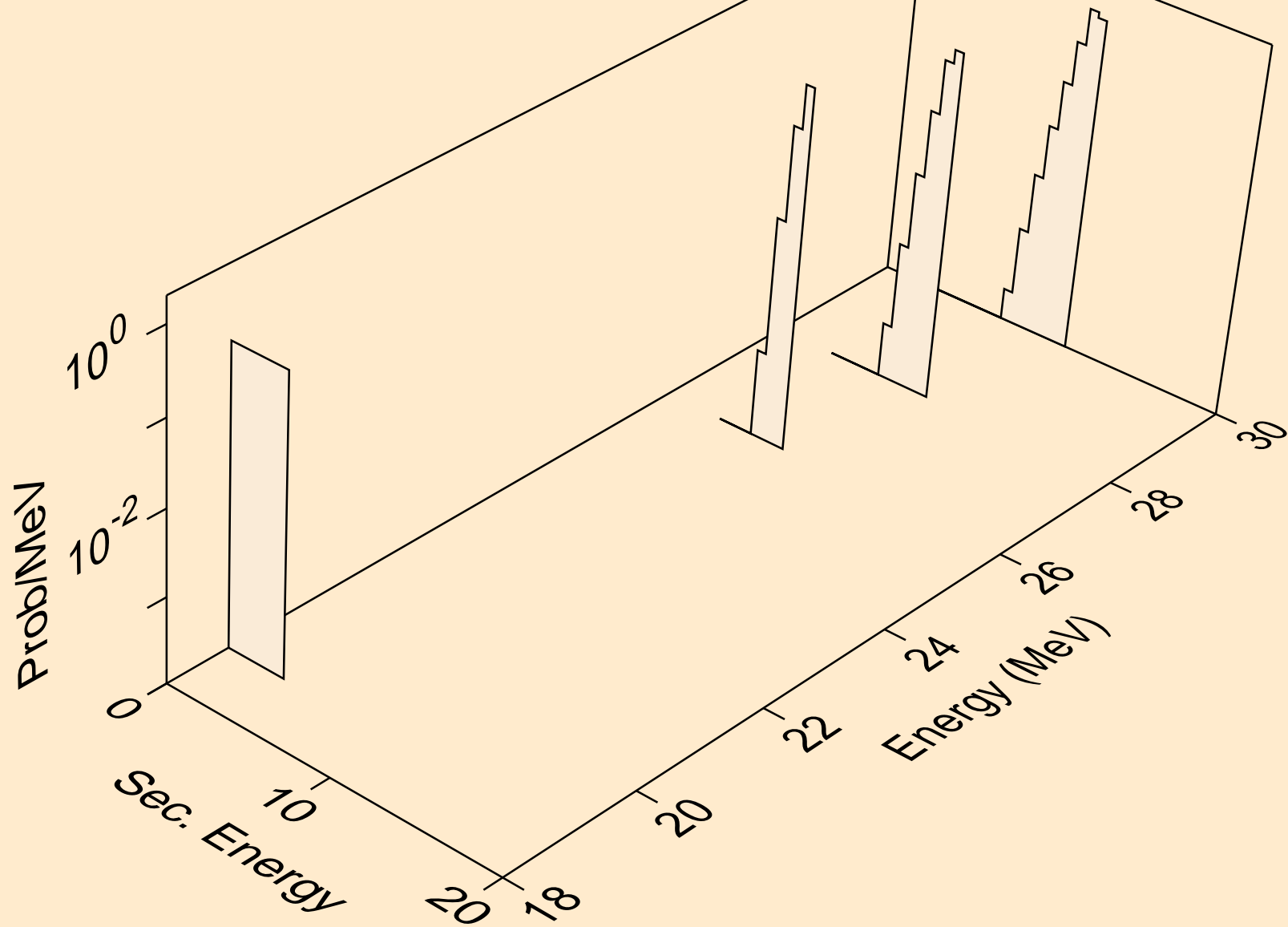
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tritons from (n,t)



DY172 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,x)

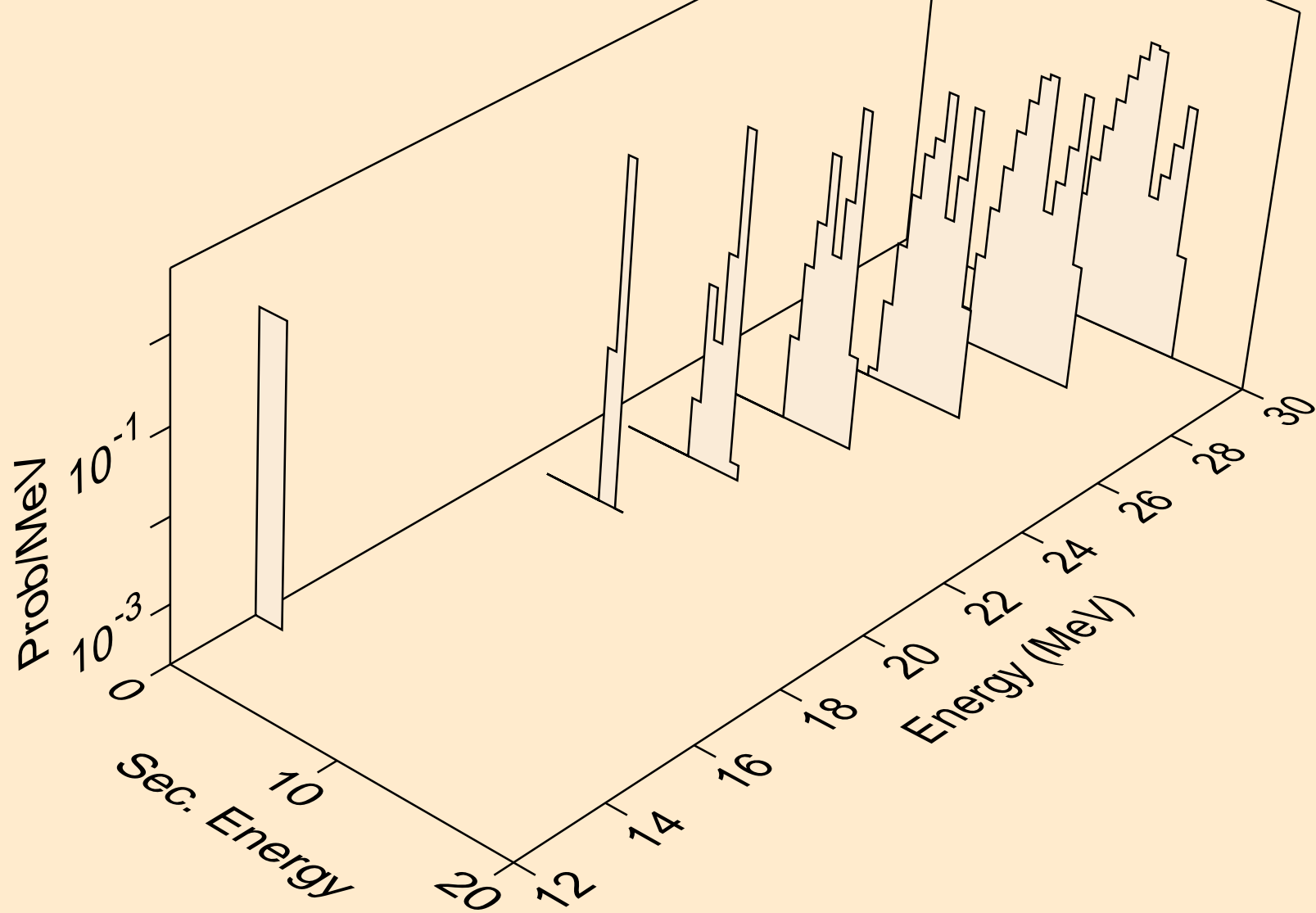


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he3s from (n,n\*)he3

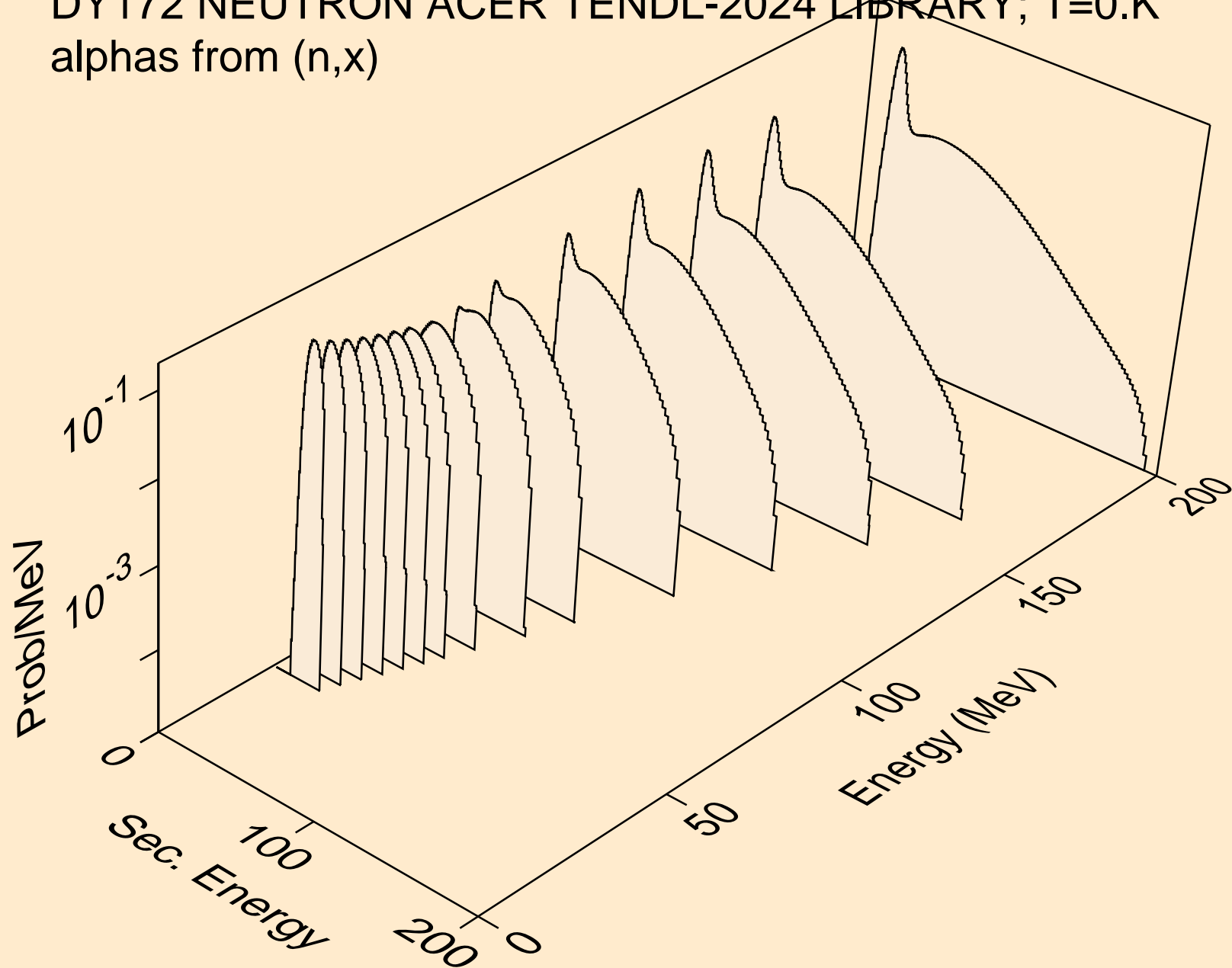




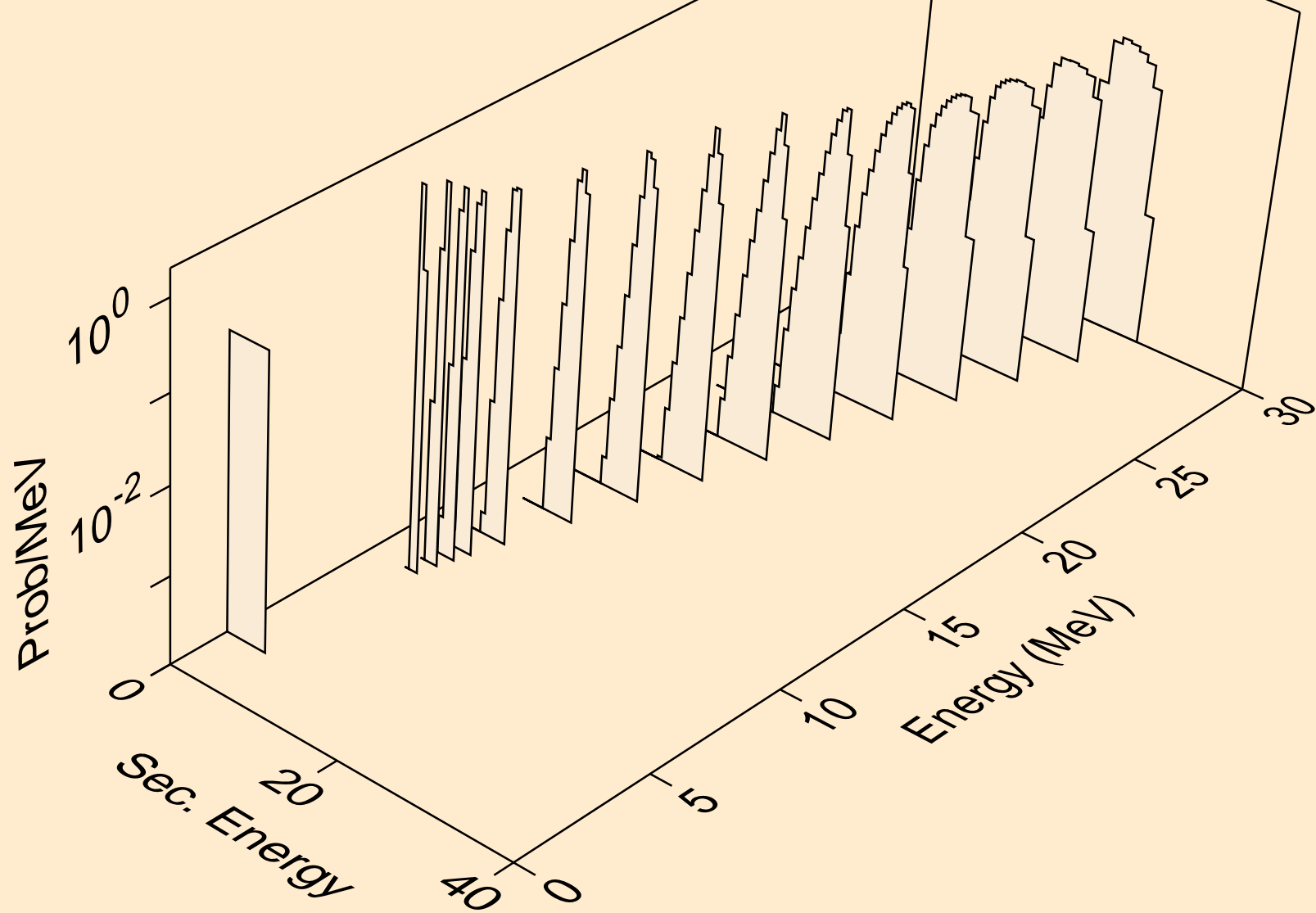
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he3s from (n,he3)



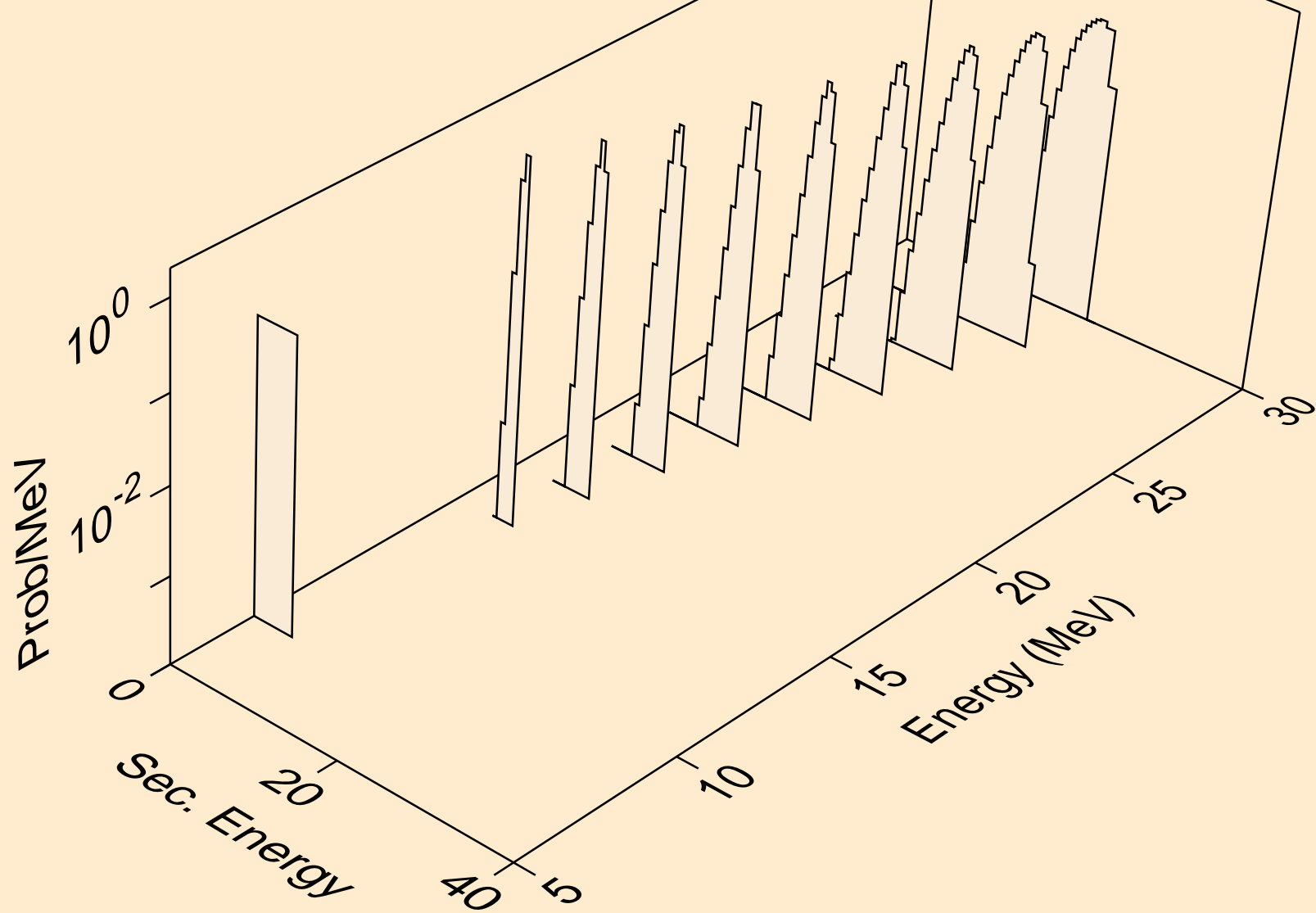
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alphas from (n,x)



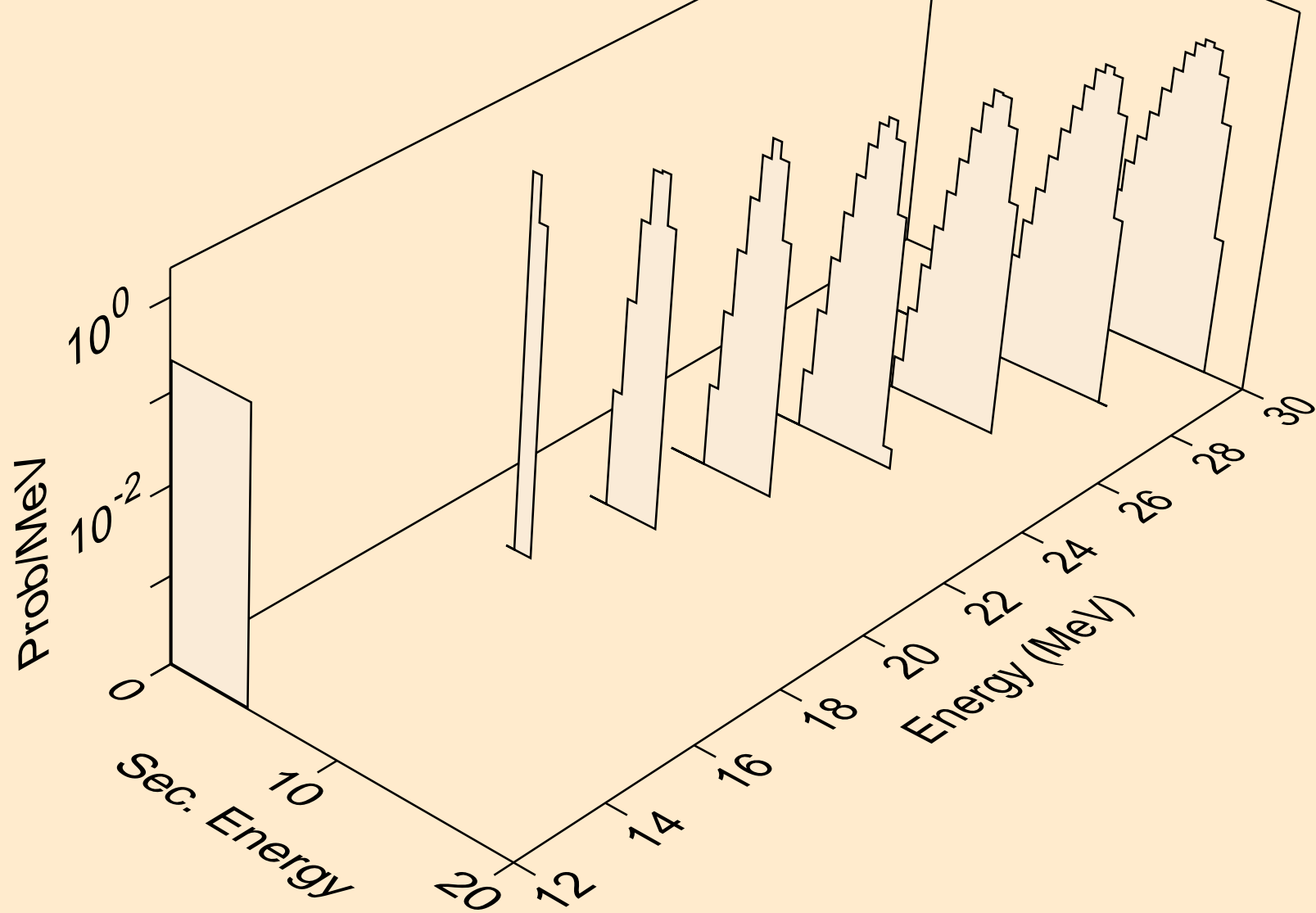
DY172 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)a



DY172 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2n)a



DY172 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,3n)a



DY172 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,a)

