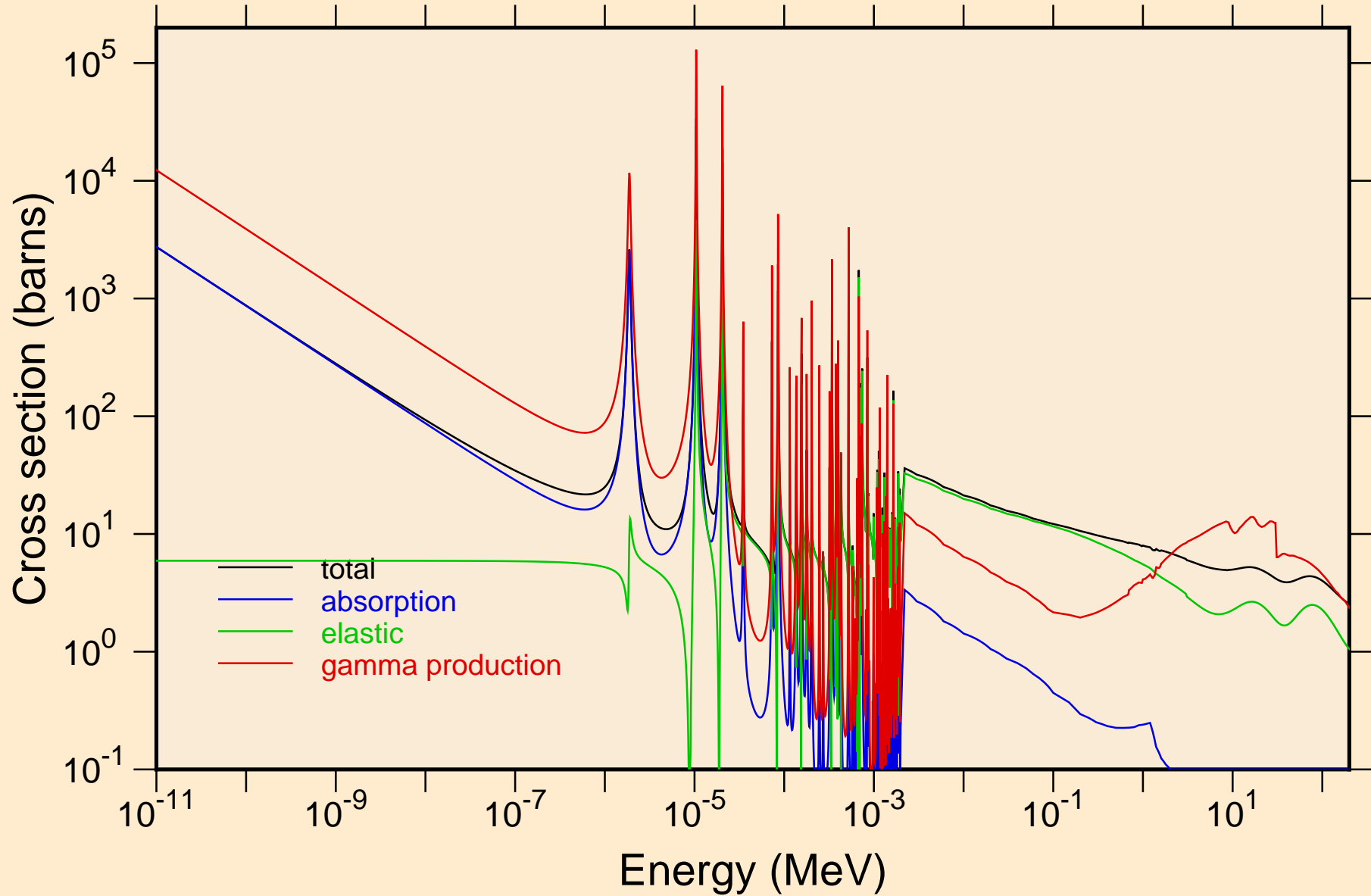
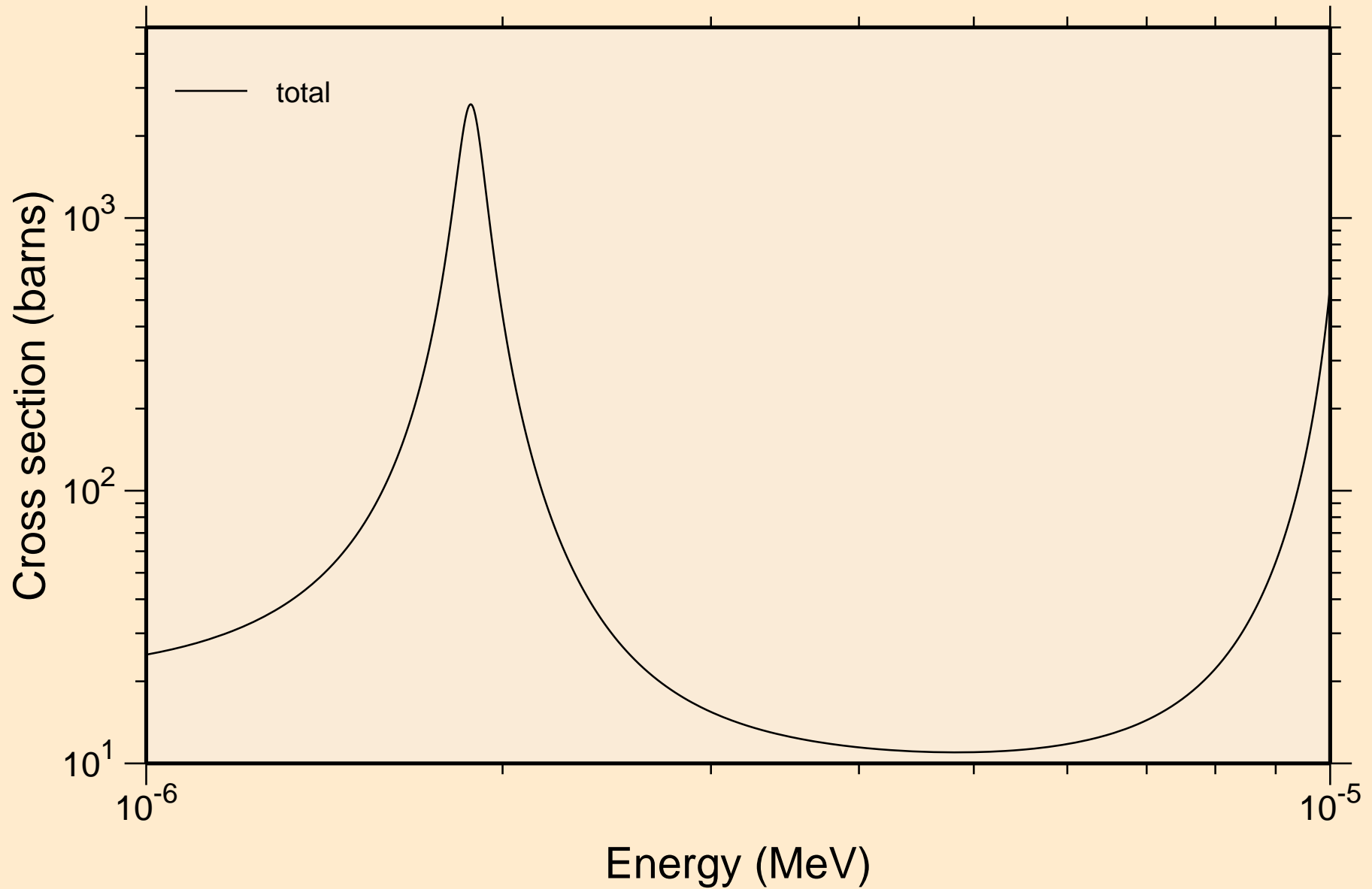


# DY160 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

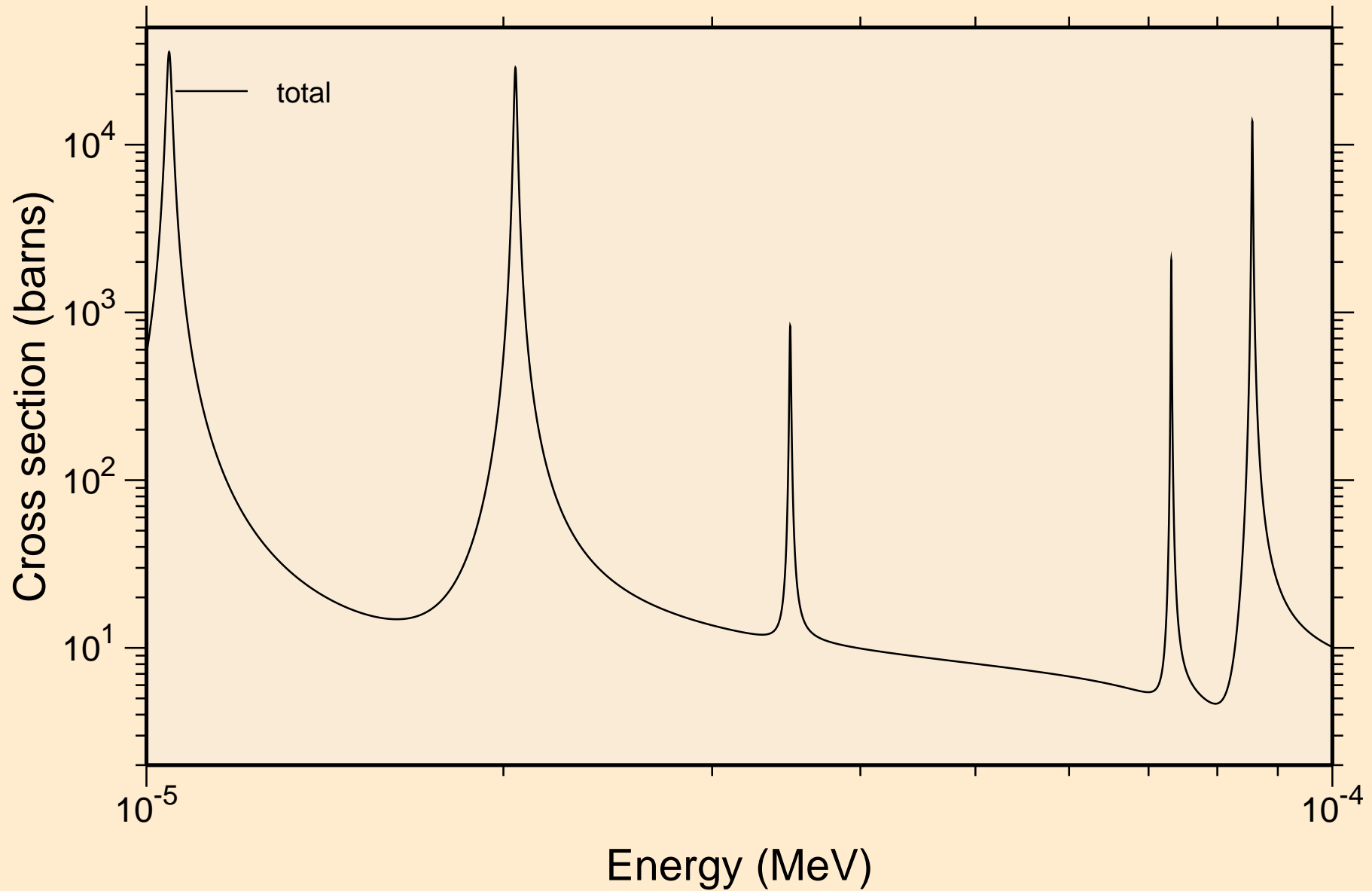
## Principal cross sections



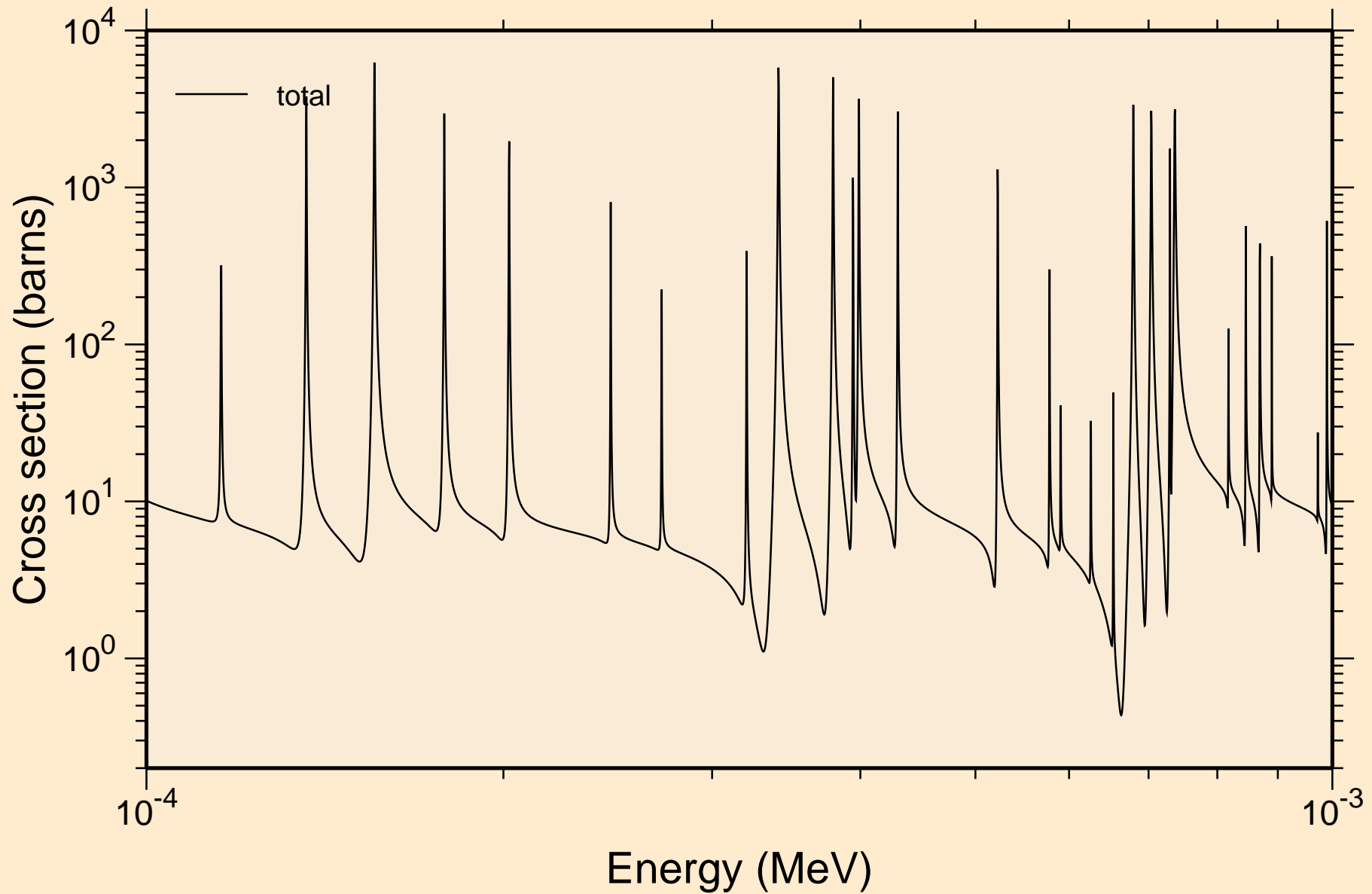
DY160 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



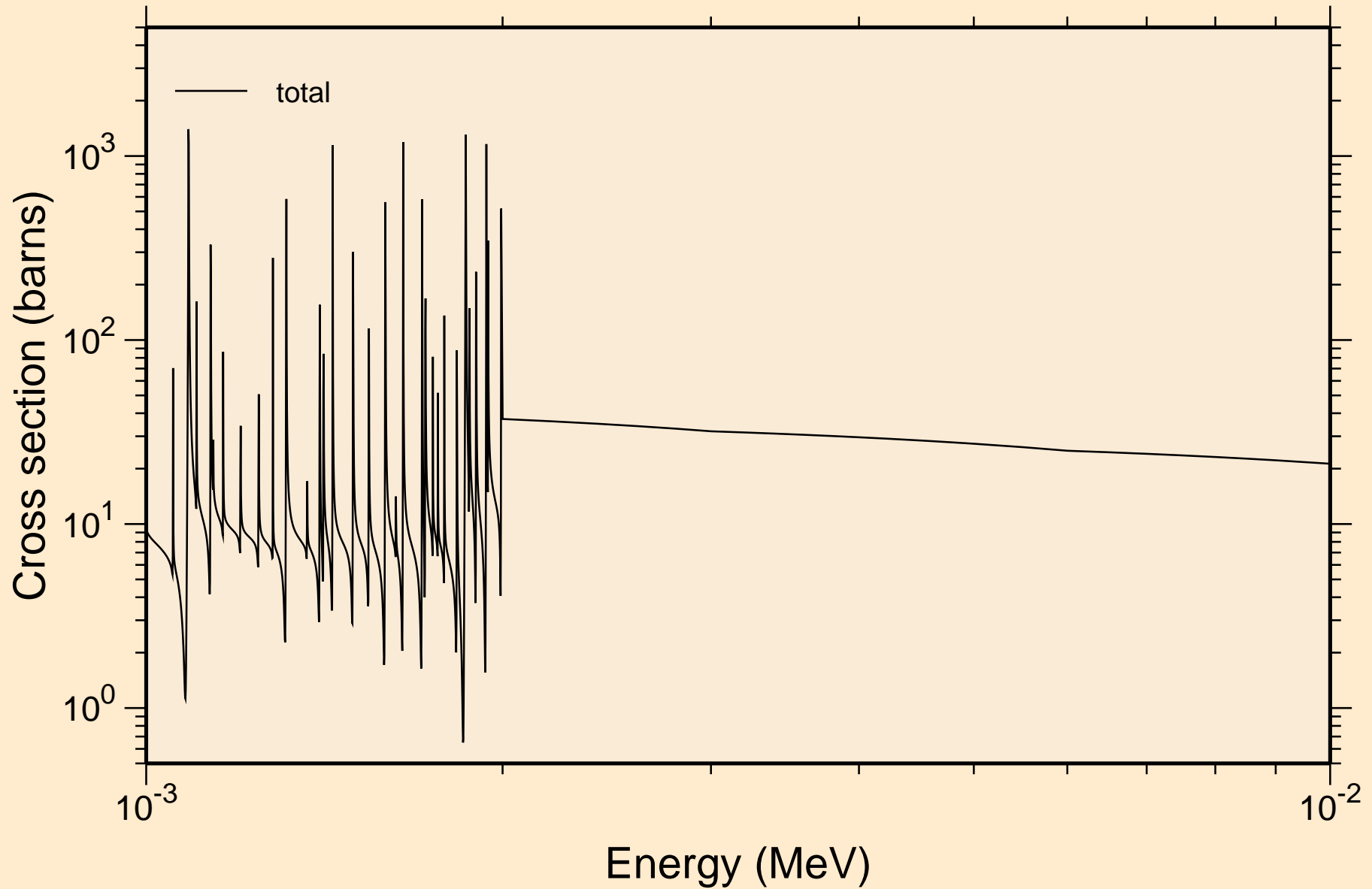
DY160 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



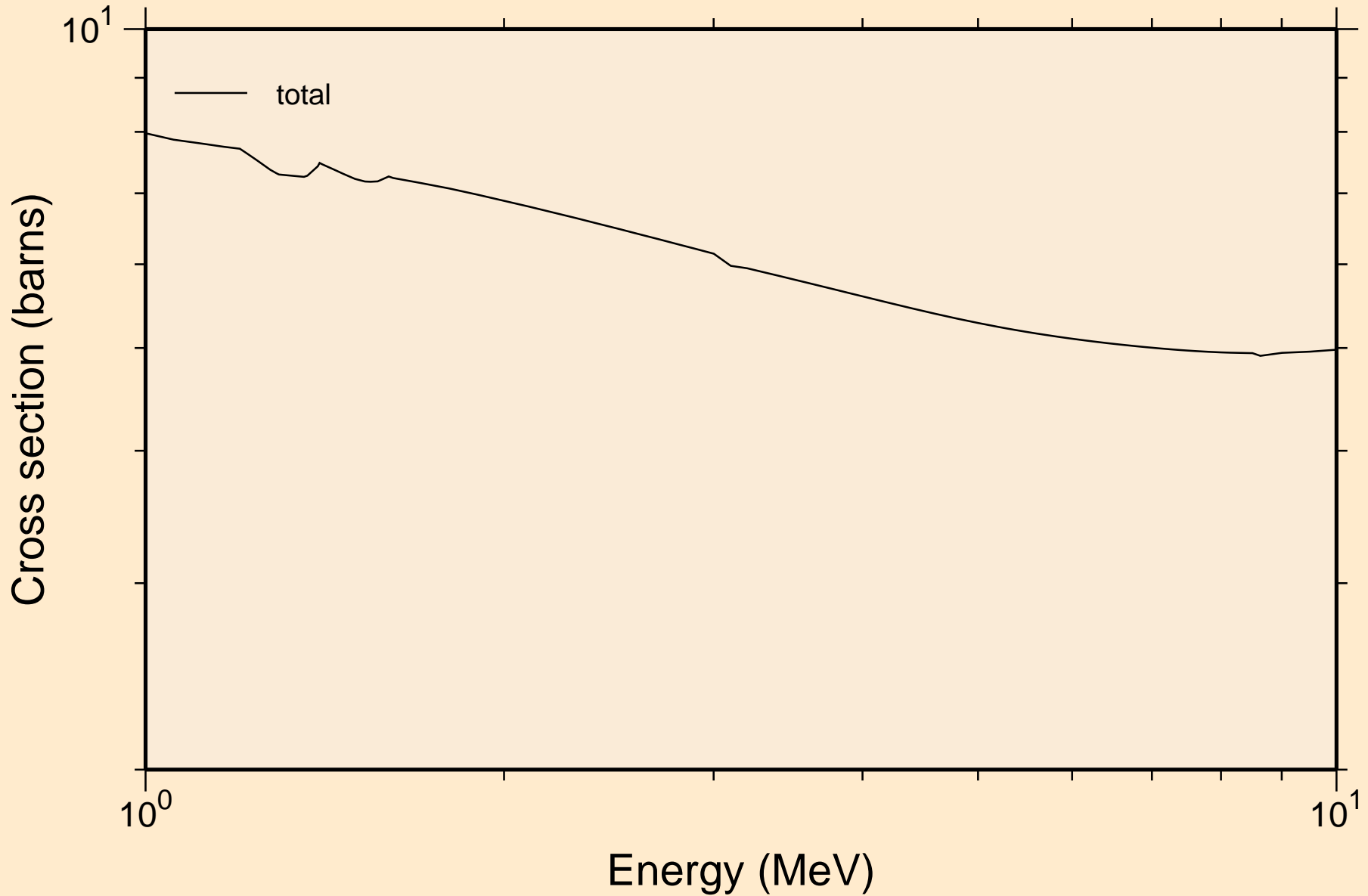
DY160 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



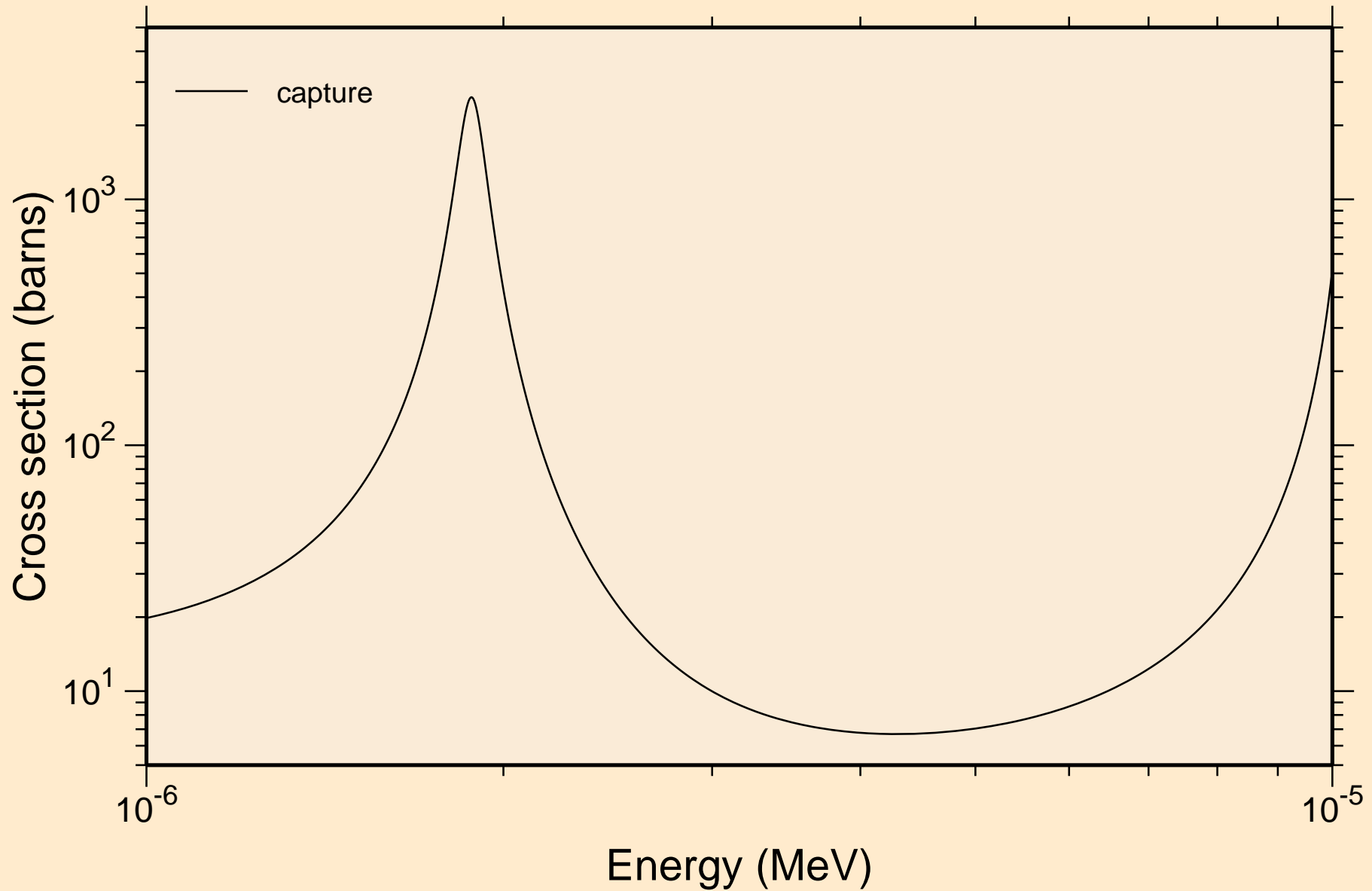
DY160 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



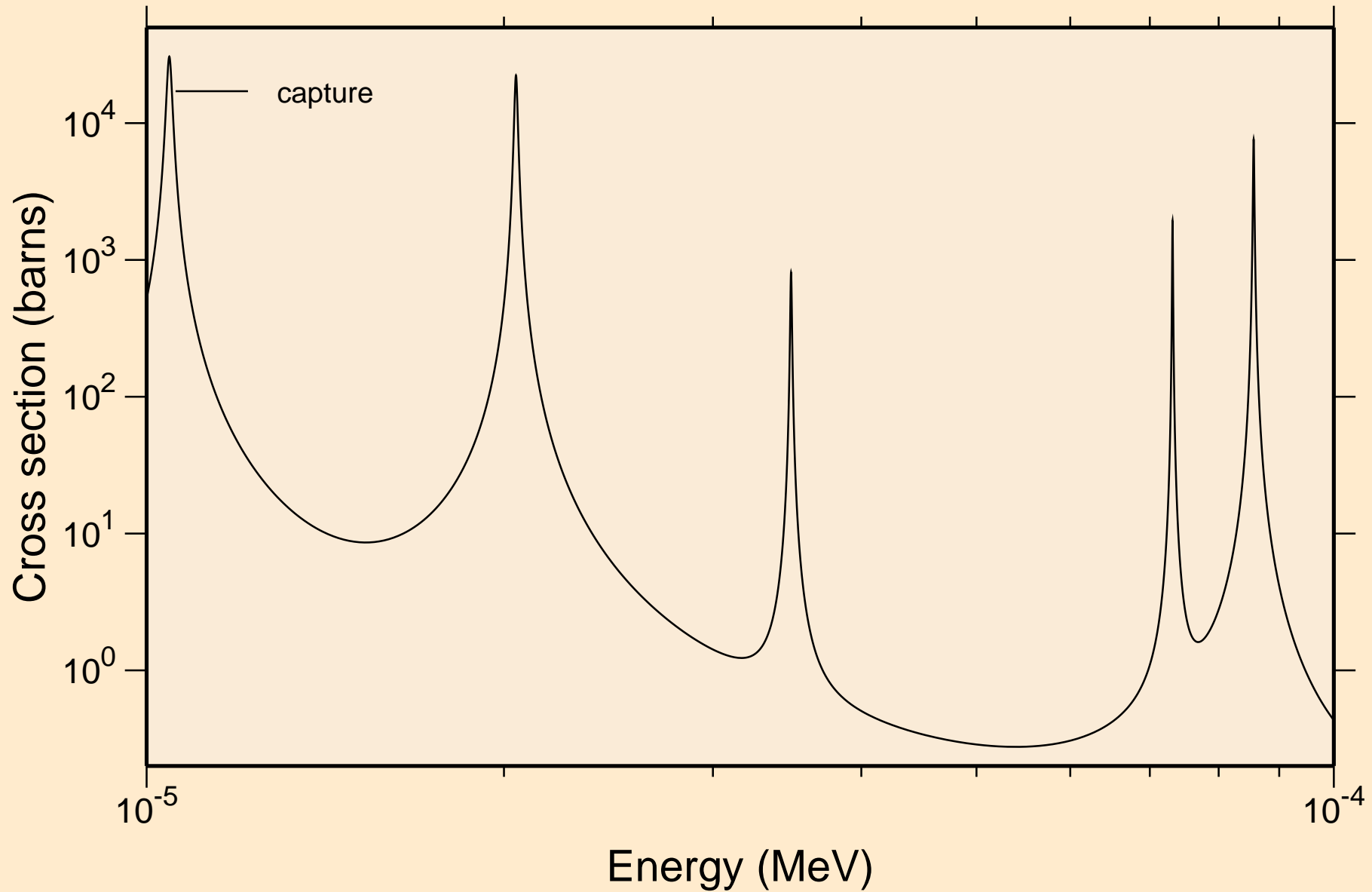
DY160 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



DY160 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections

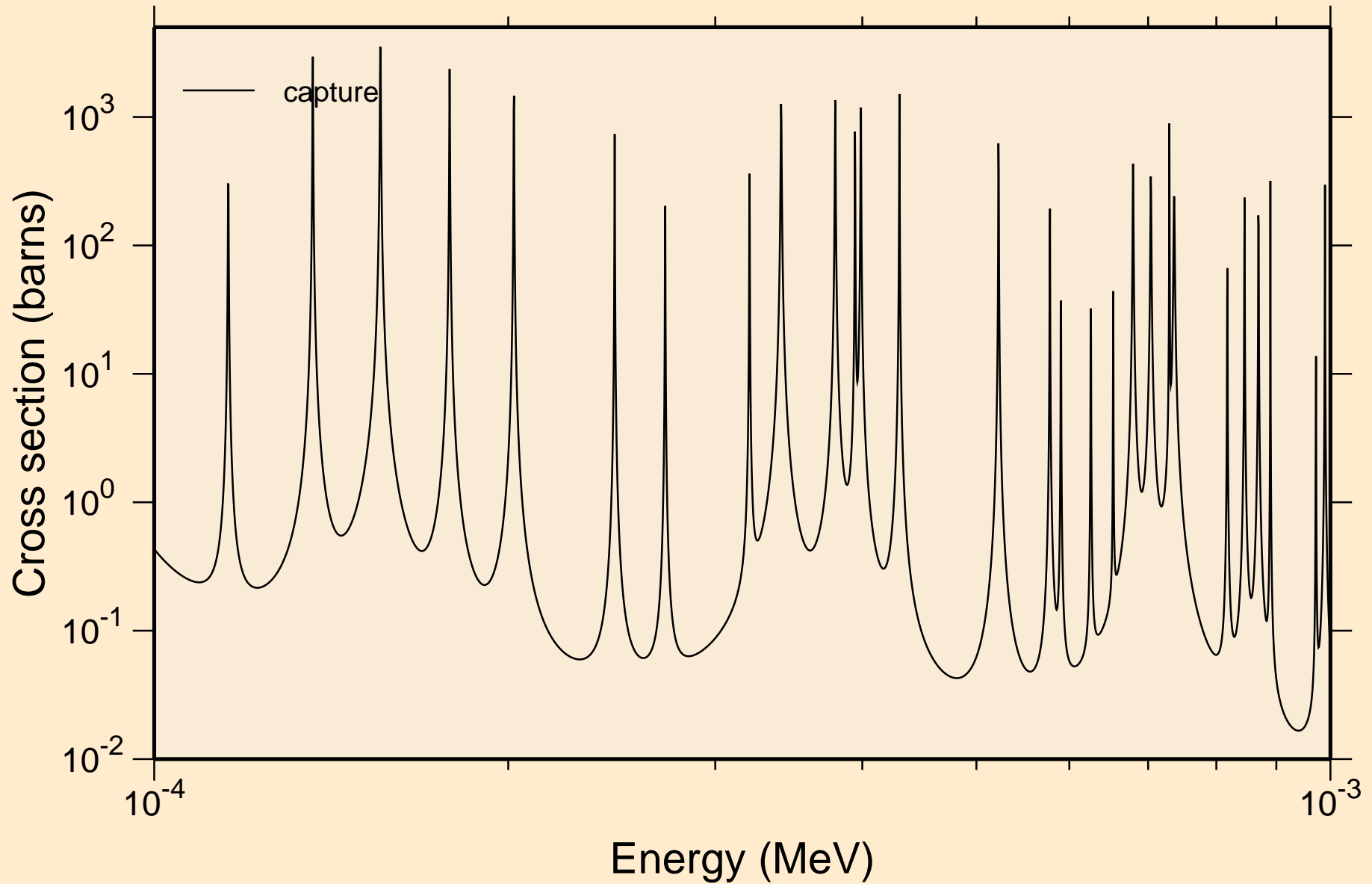


DY160 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections

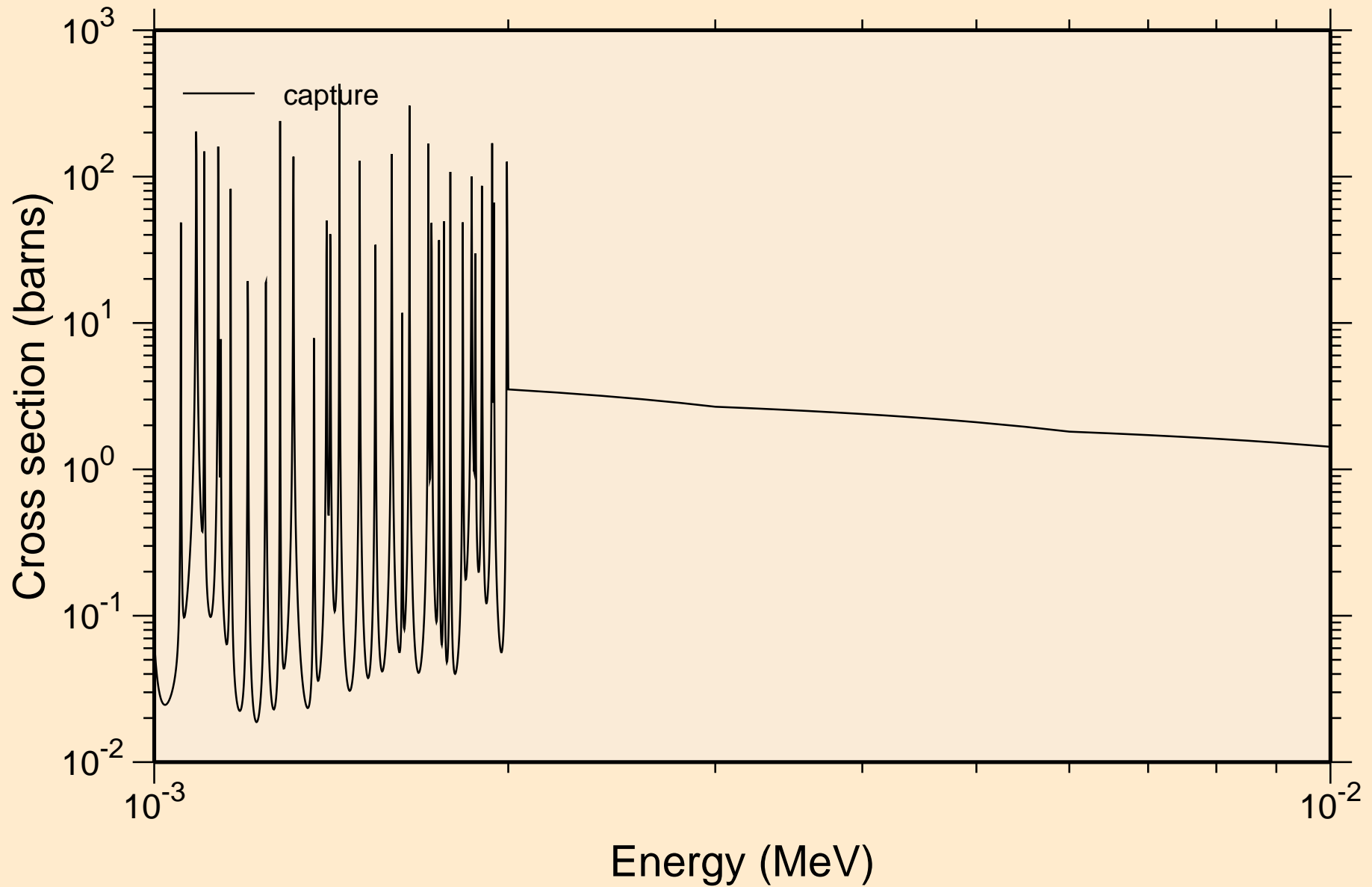




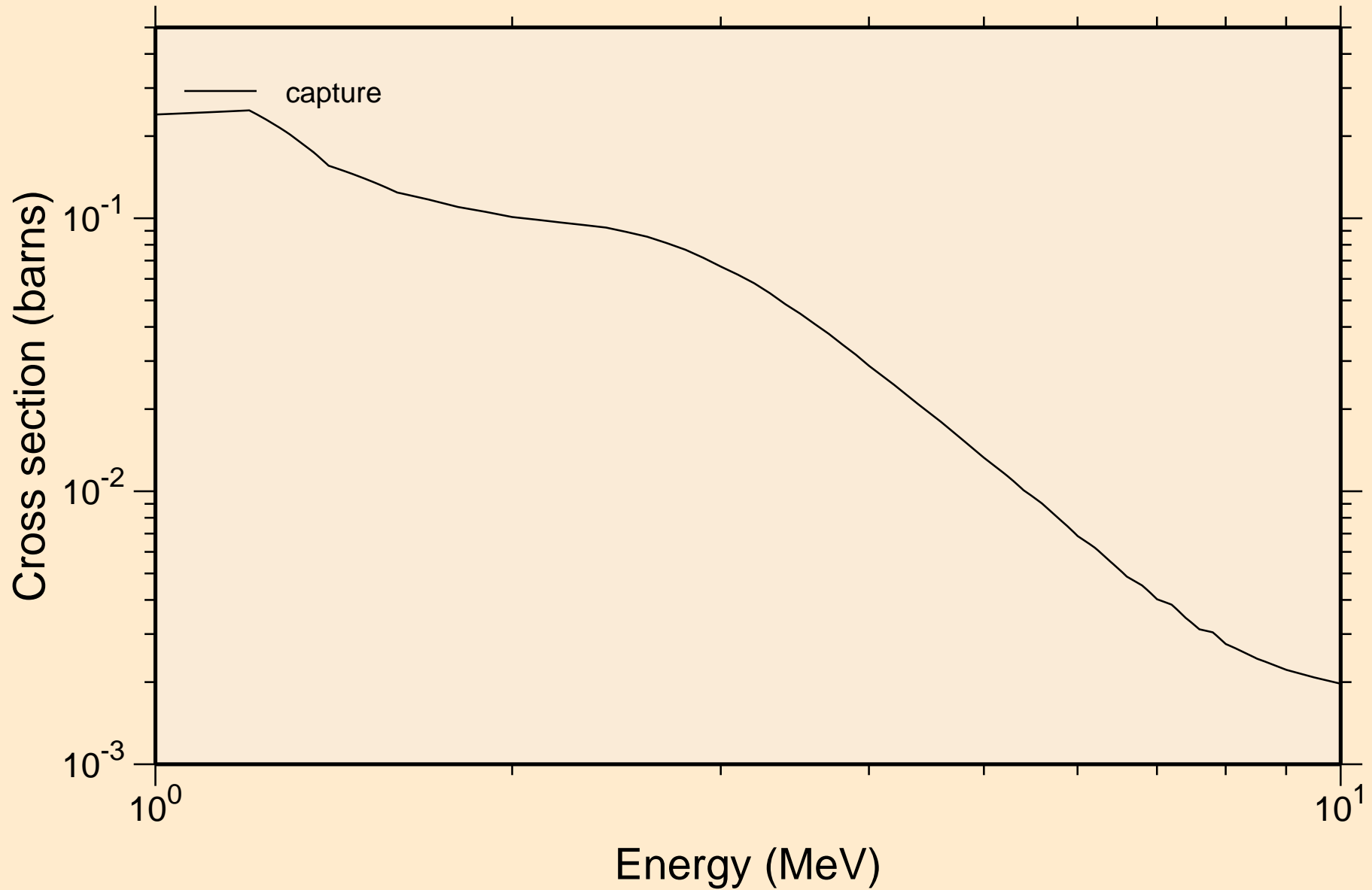
DY160 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



DY160 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections

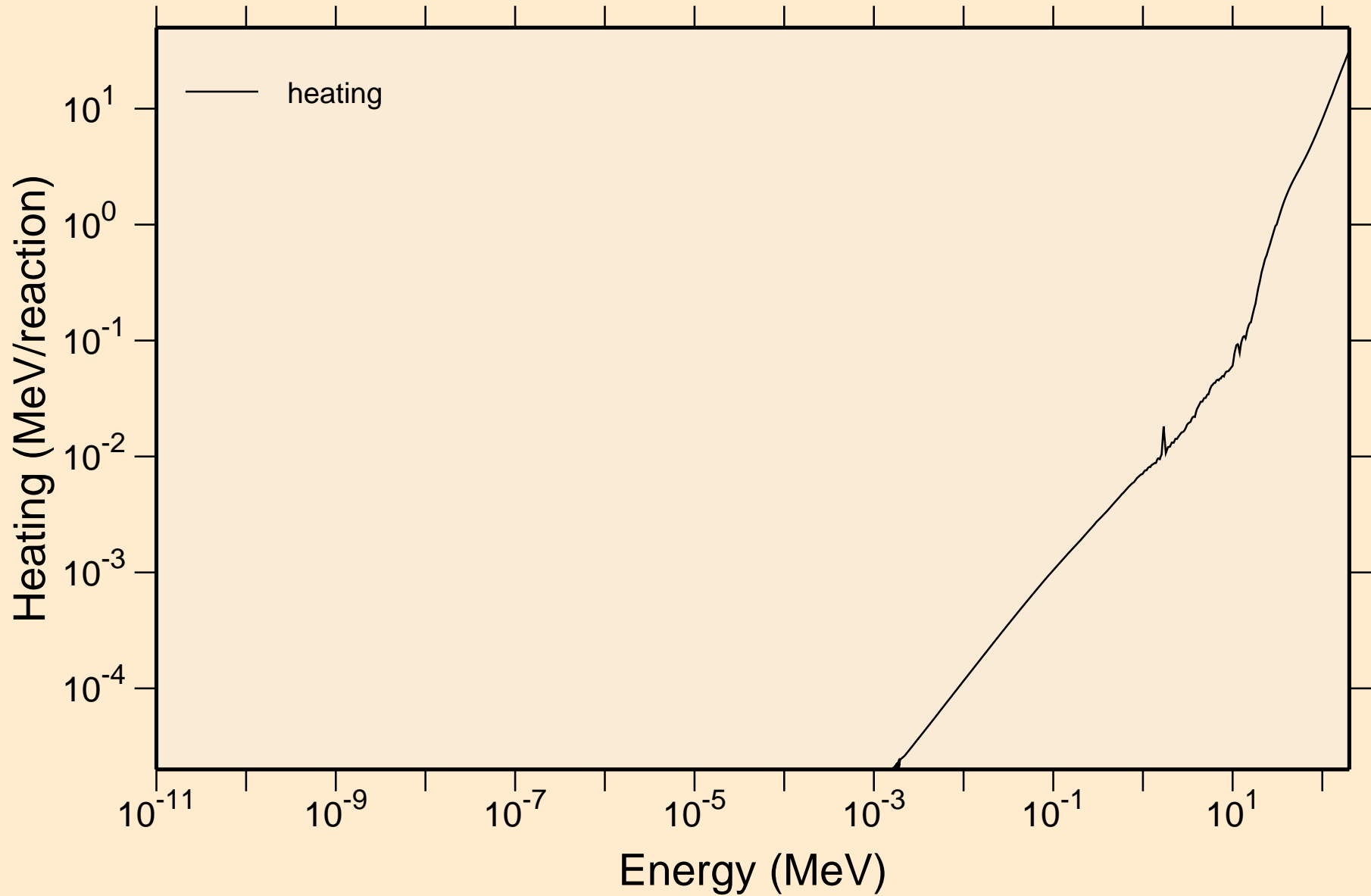


DY160 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections

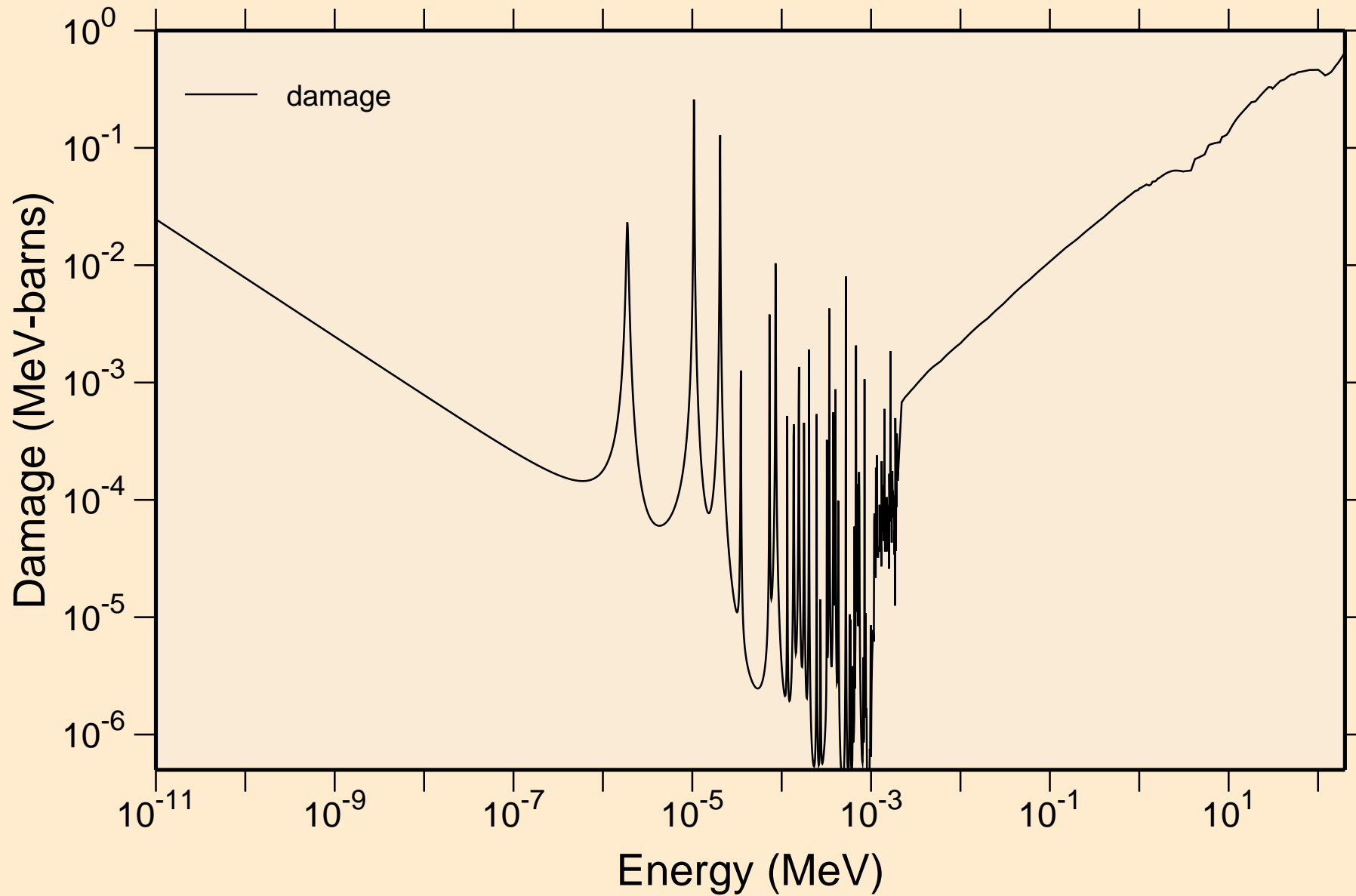


# DY160 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

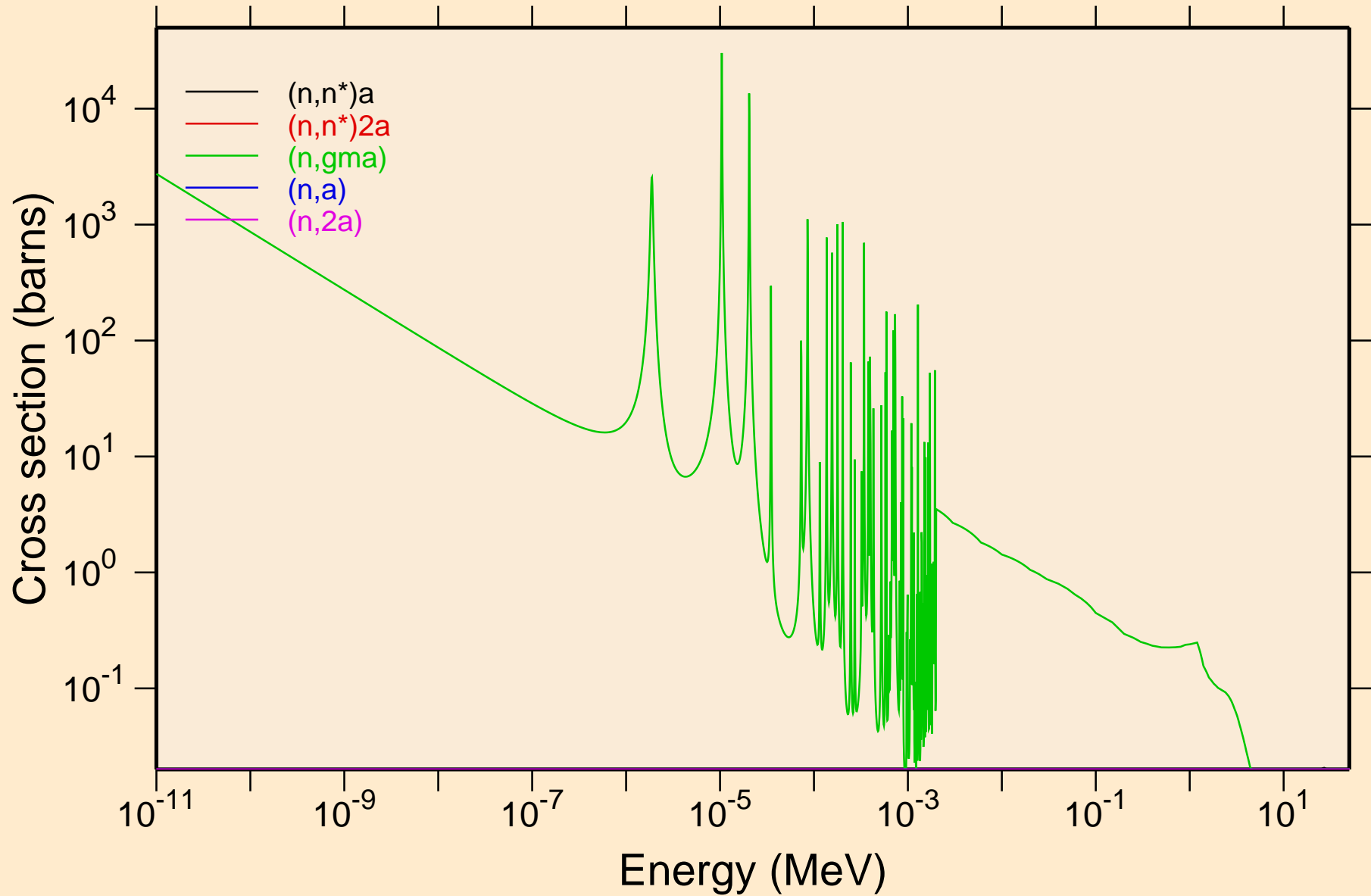
## Heating



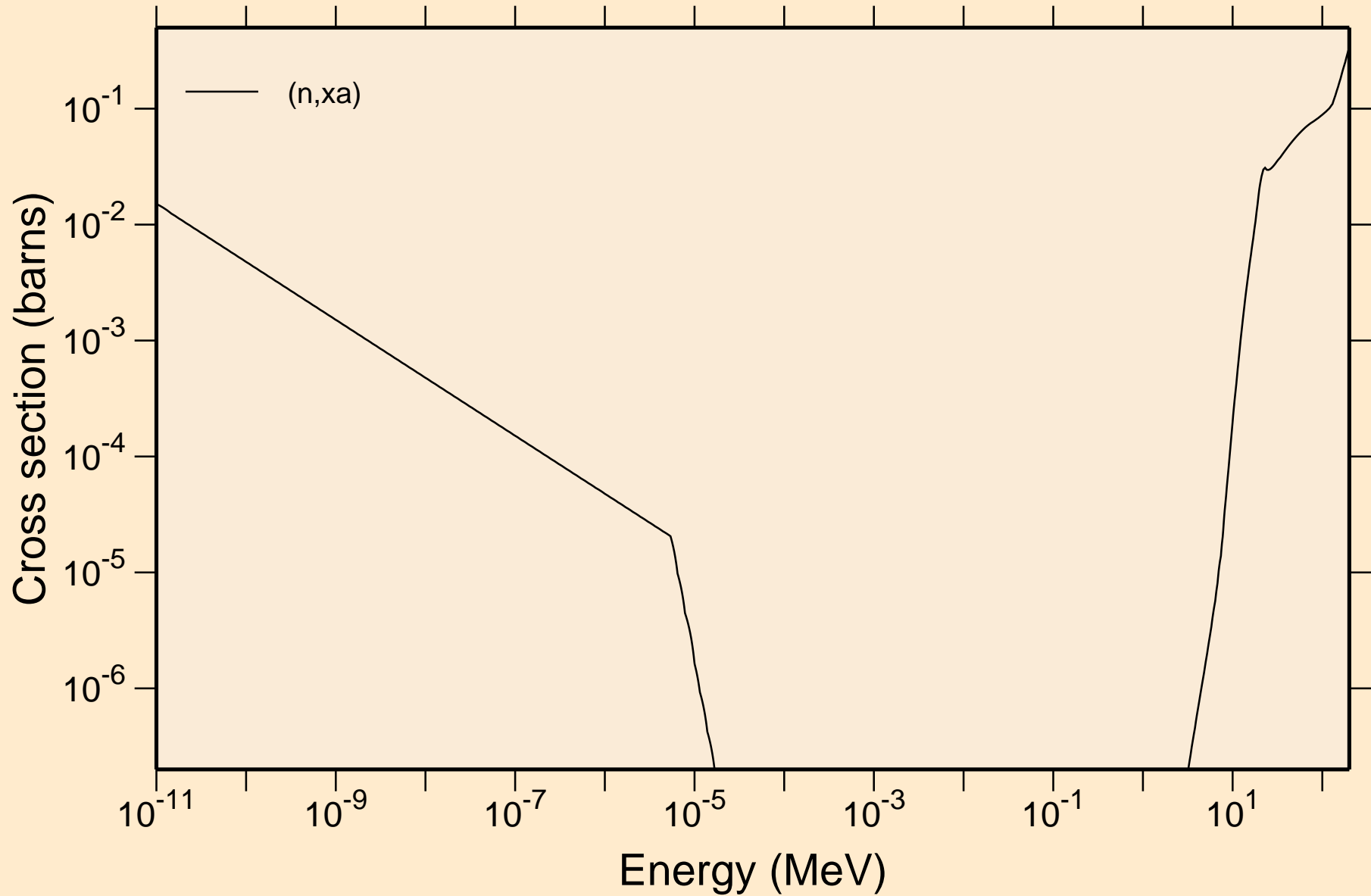
DY160 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Damage



DY160 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions

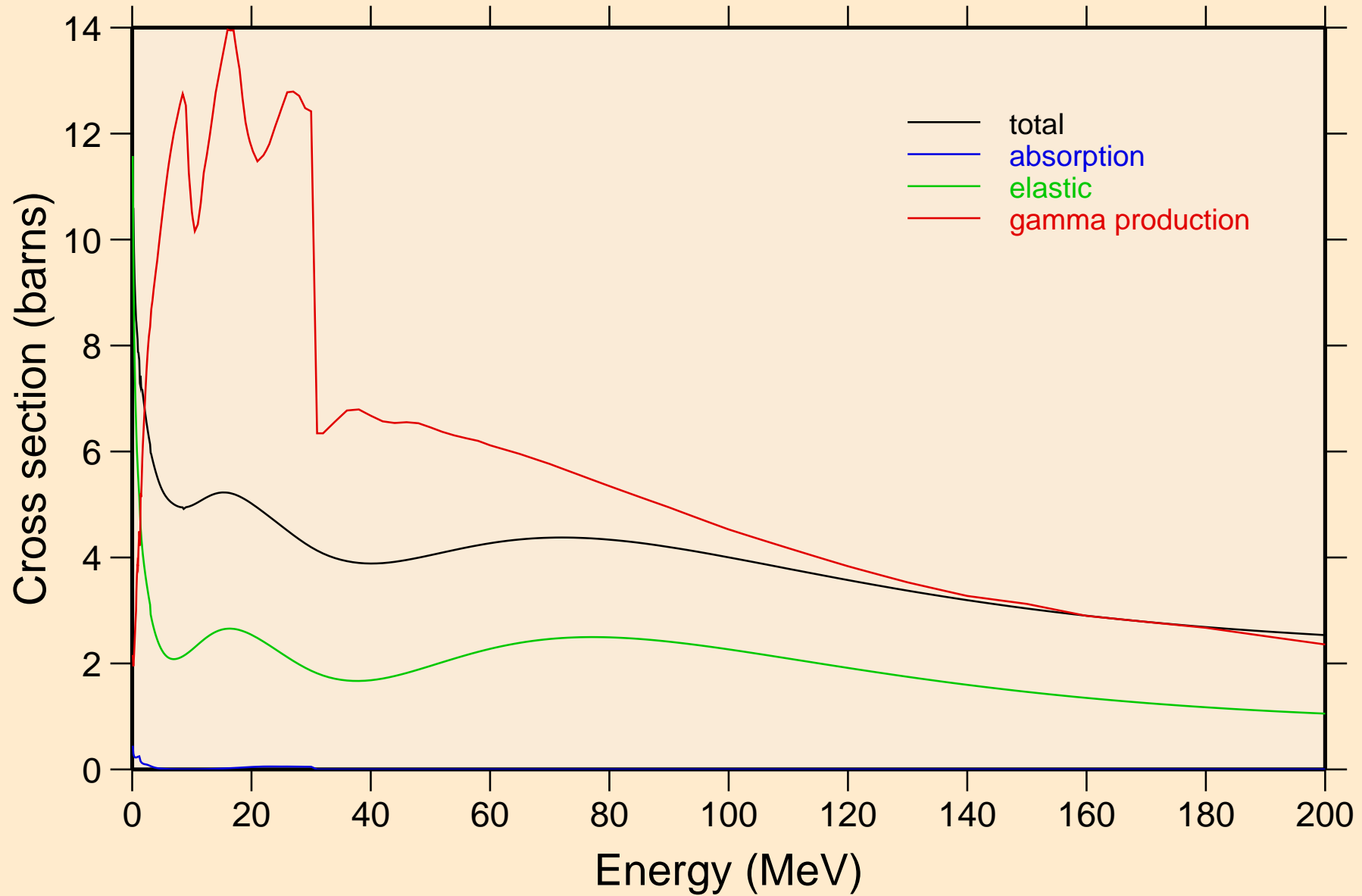


DY160 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



# DY160 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

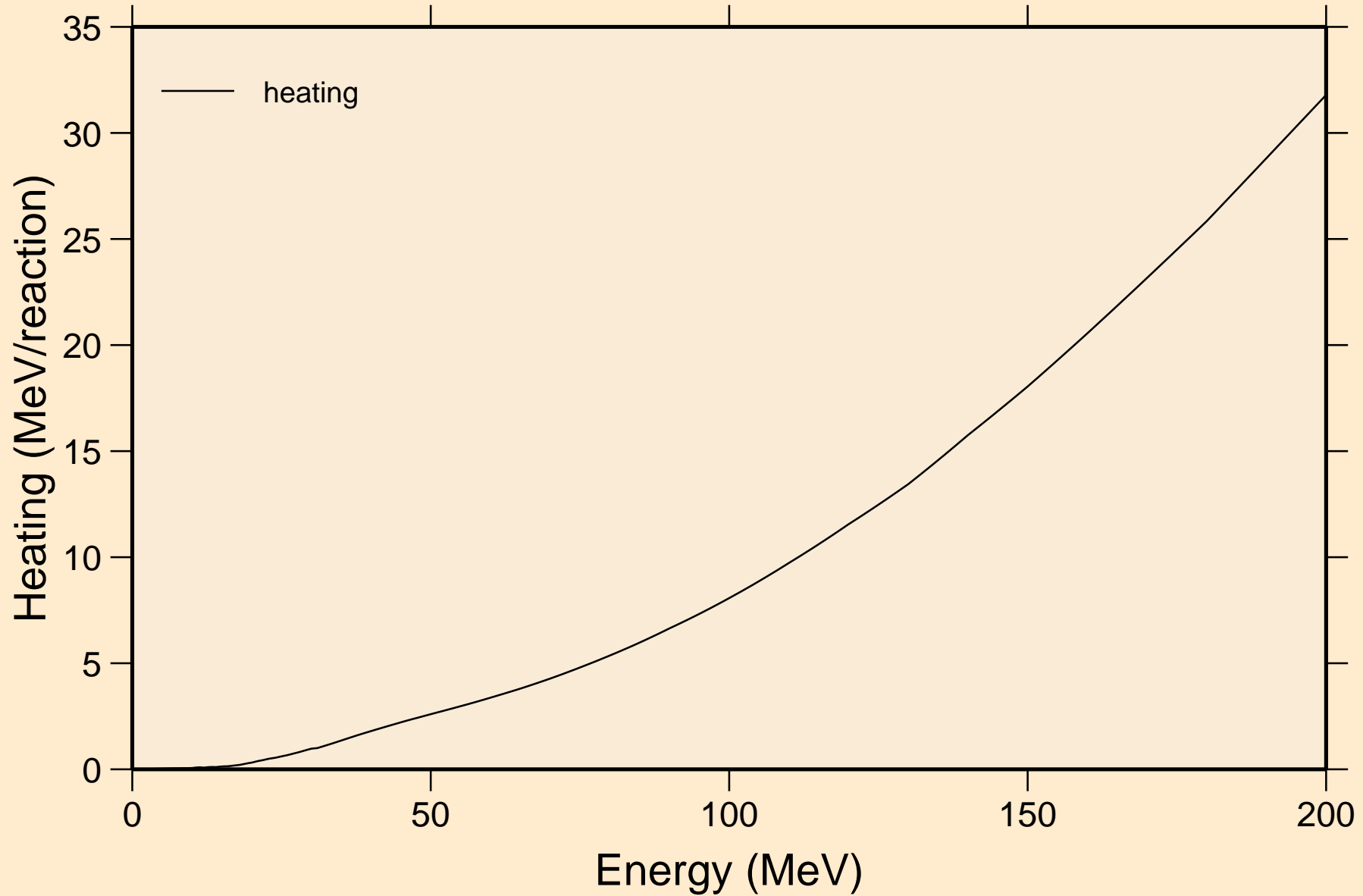
## Principal cross sections





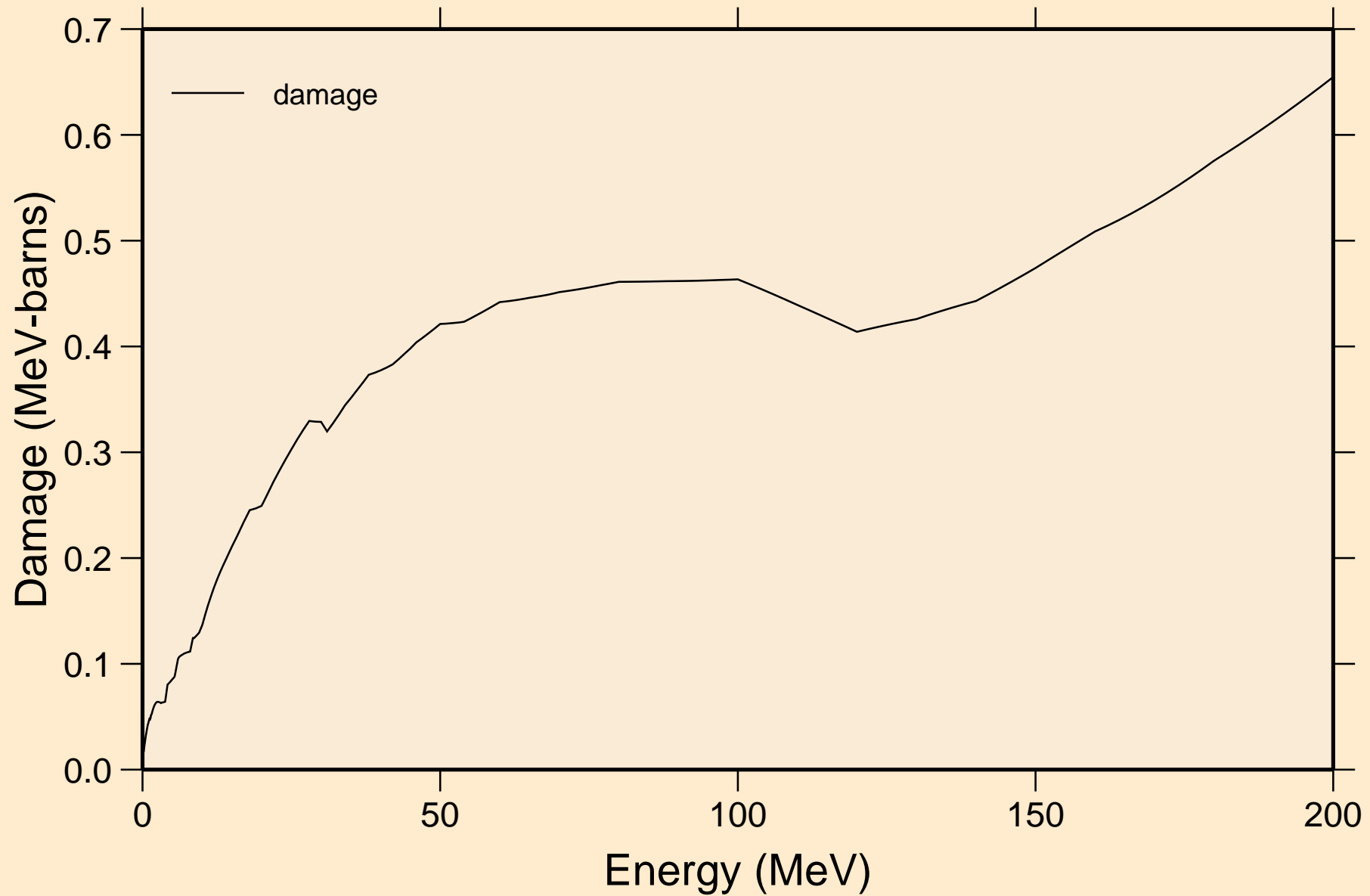
# DY160 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Heating

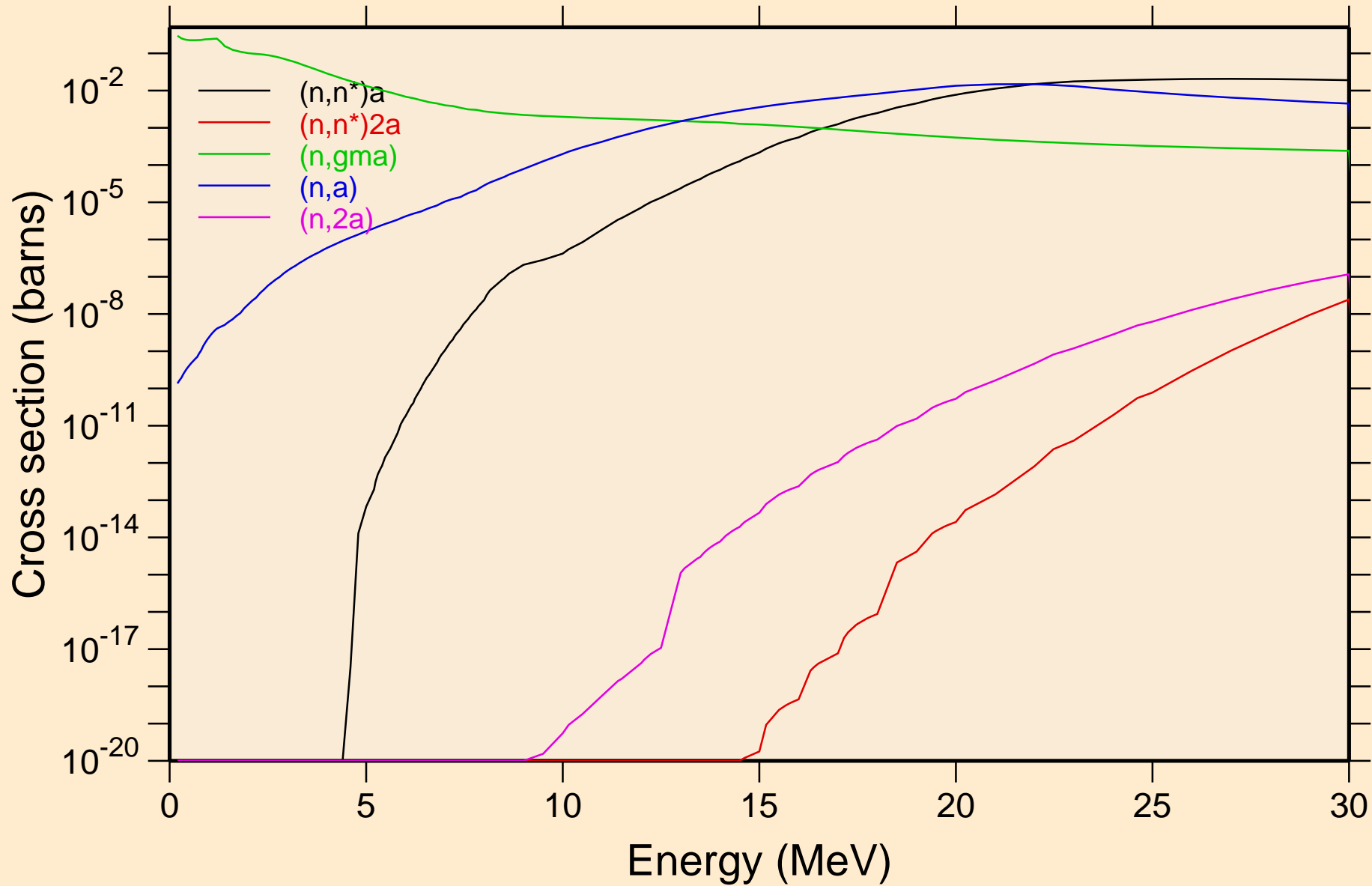


# DY160 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

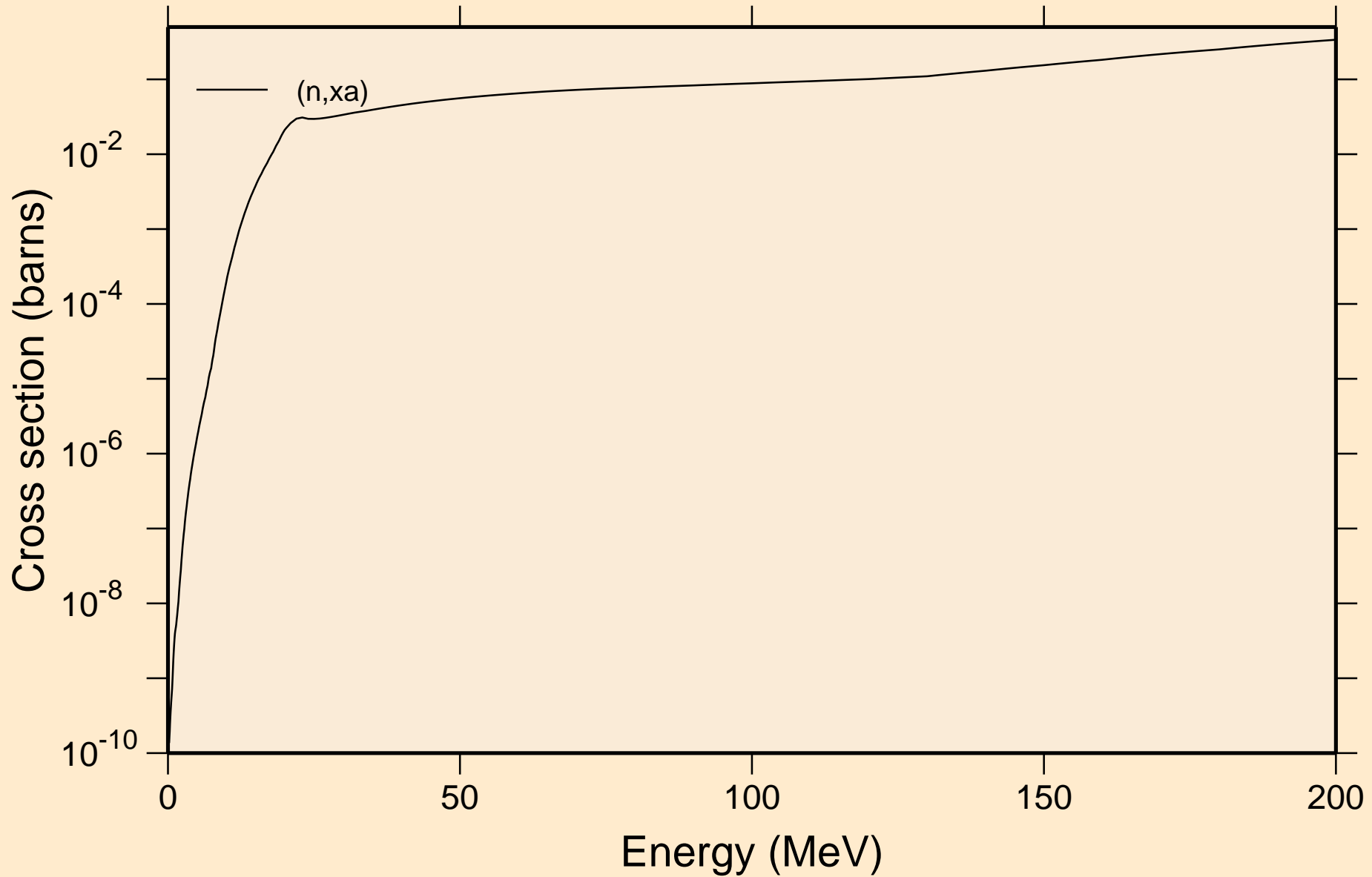
## Damage



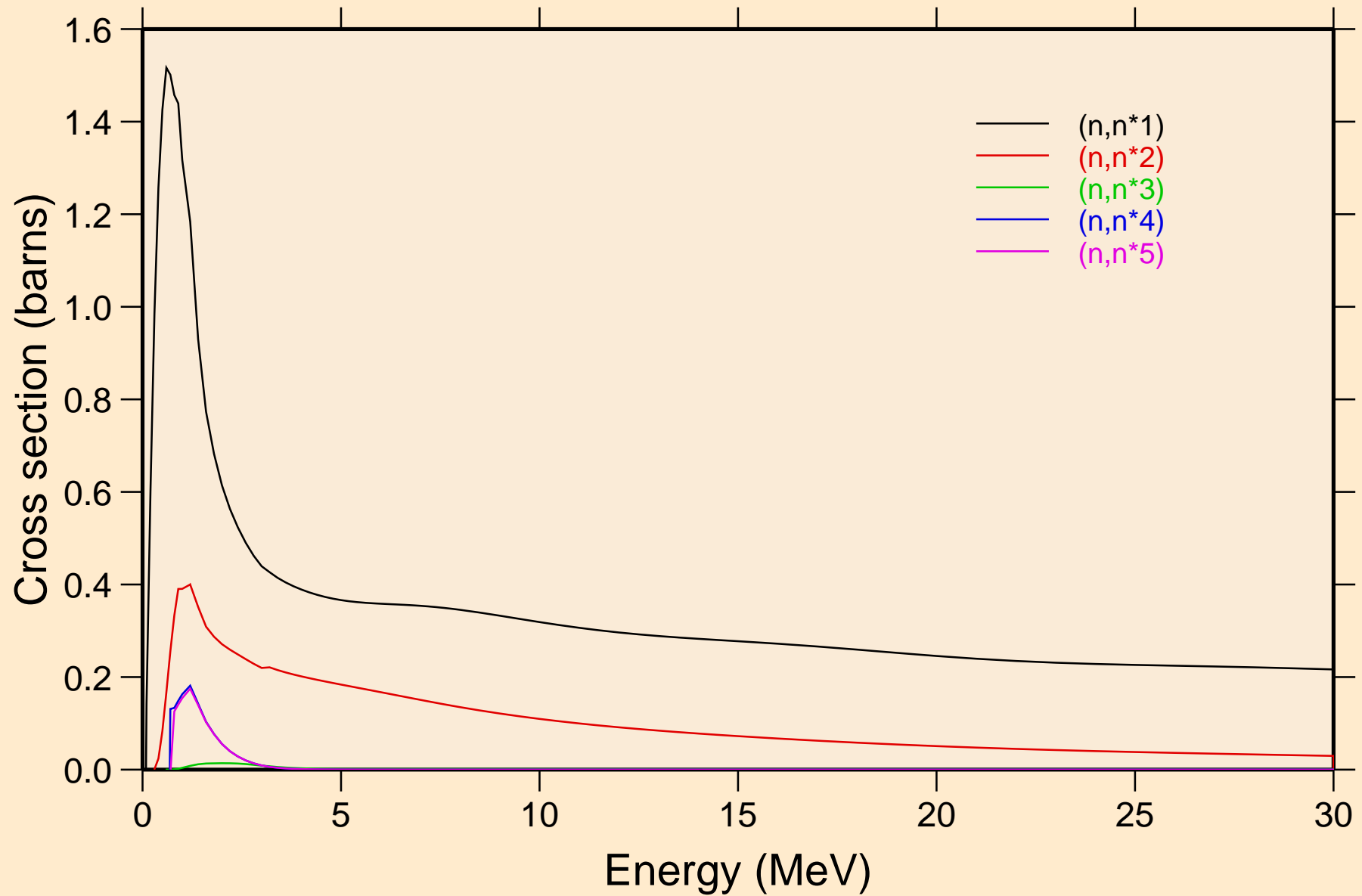
DY160 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



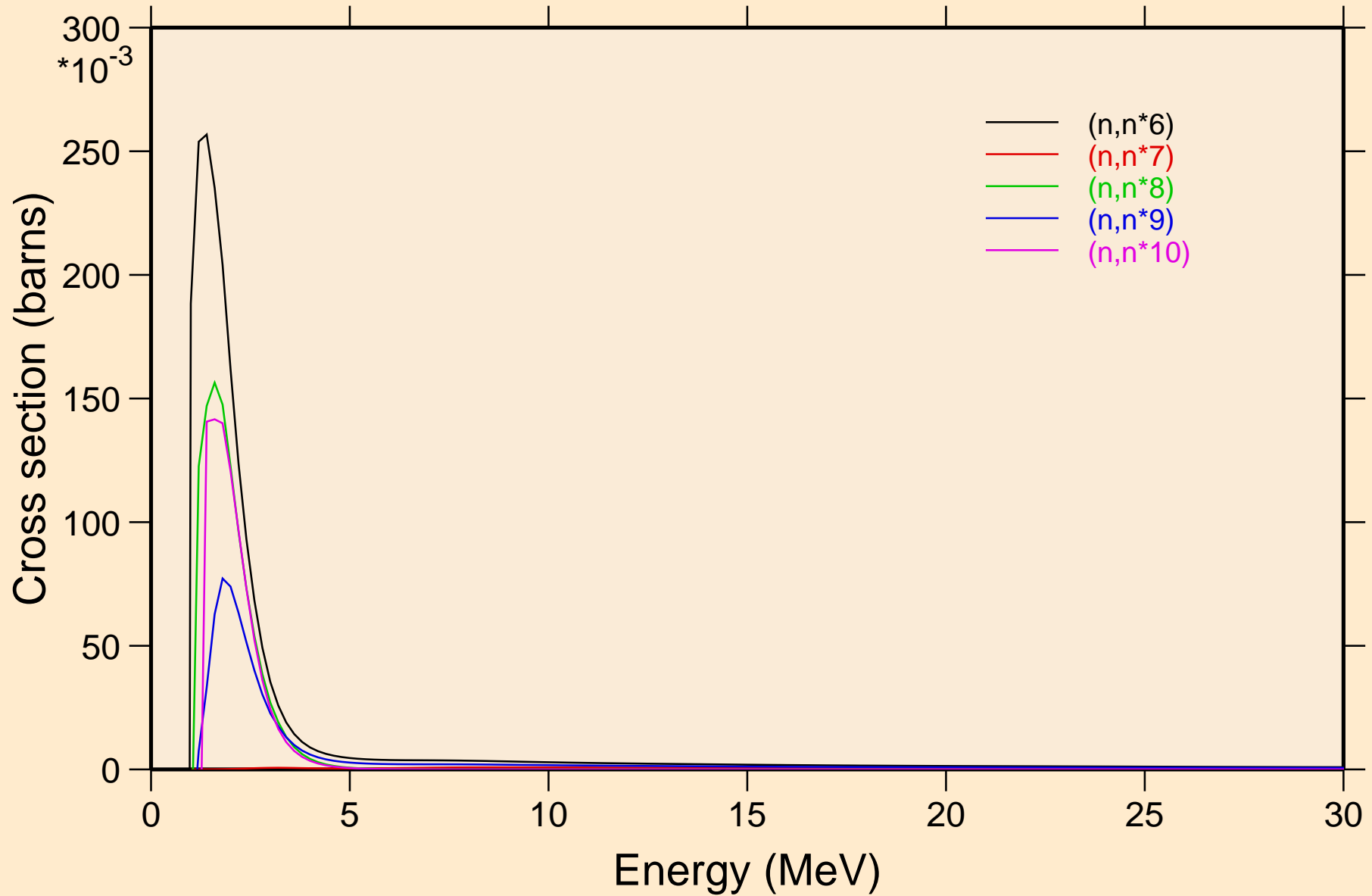
DY160 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



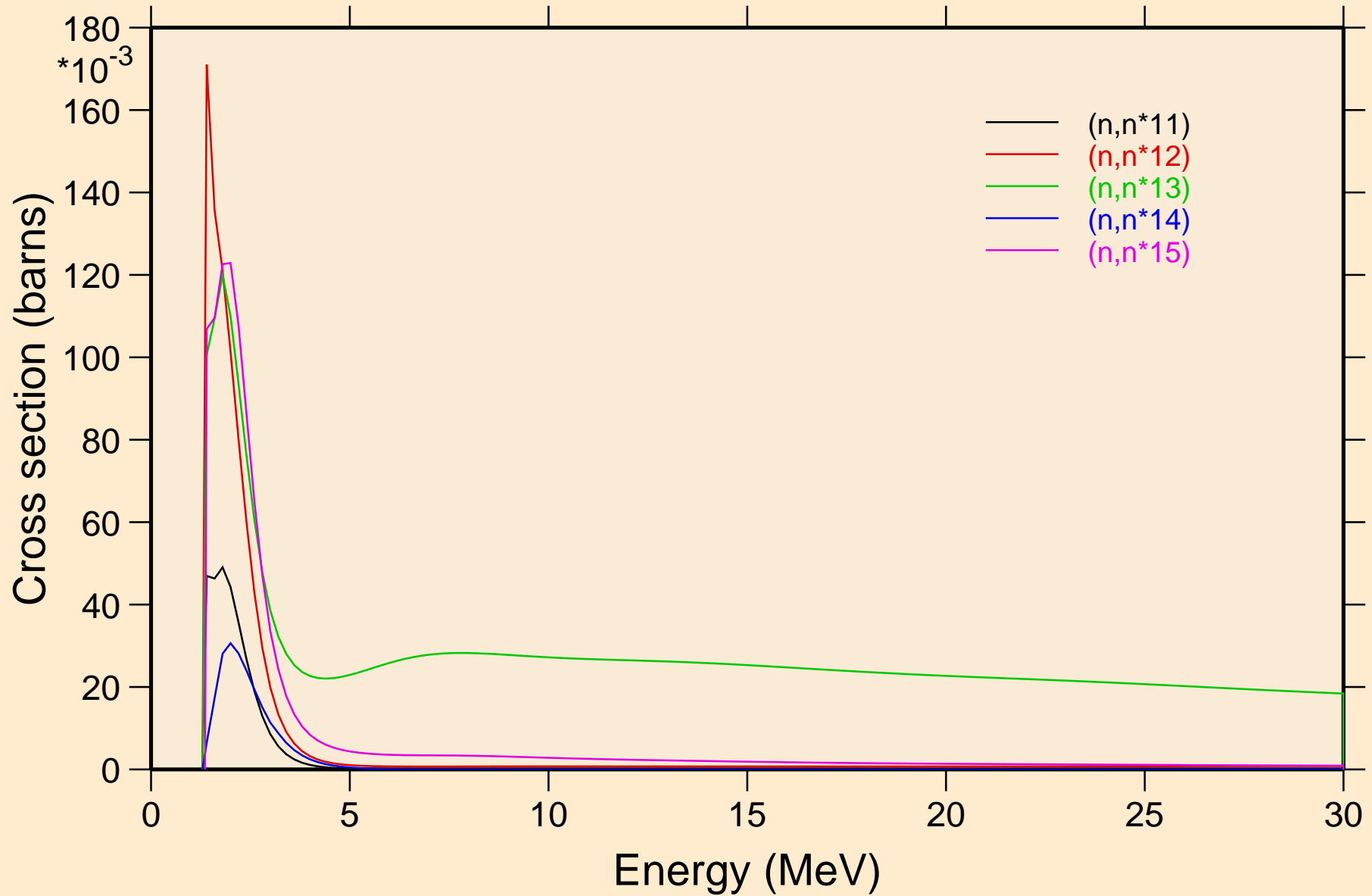
DY160 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



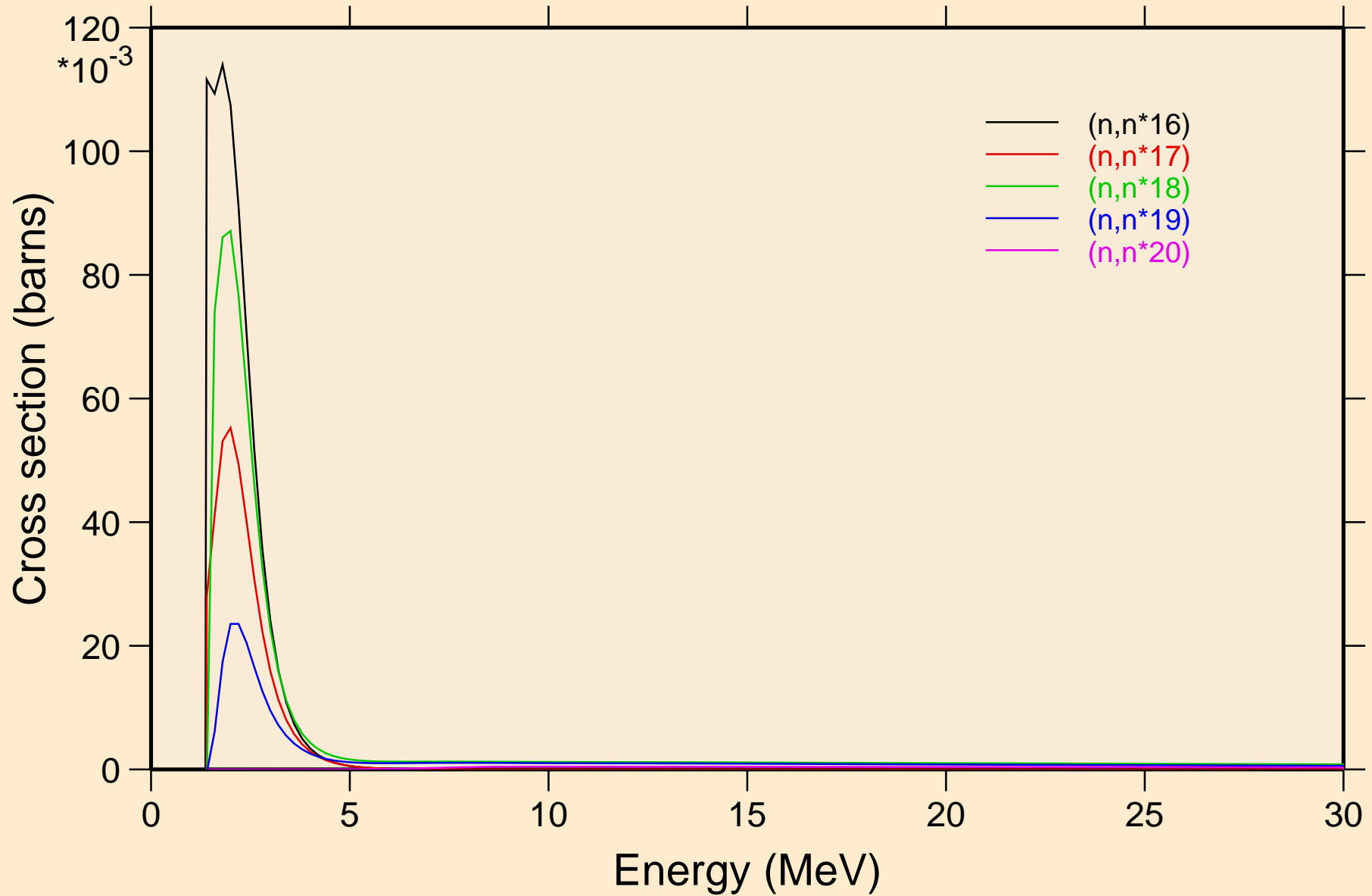
DY160 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



DY160 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels

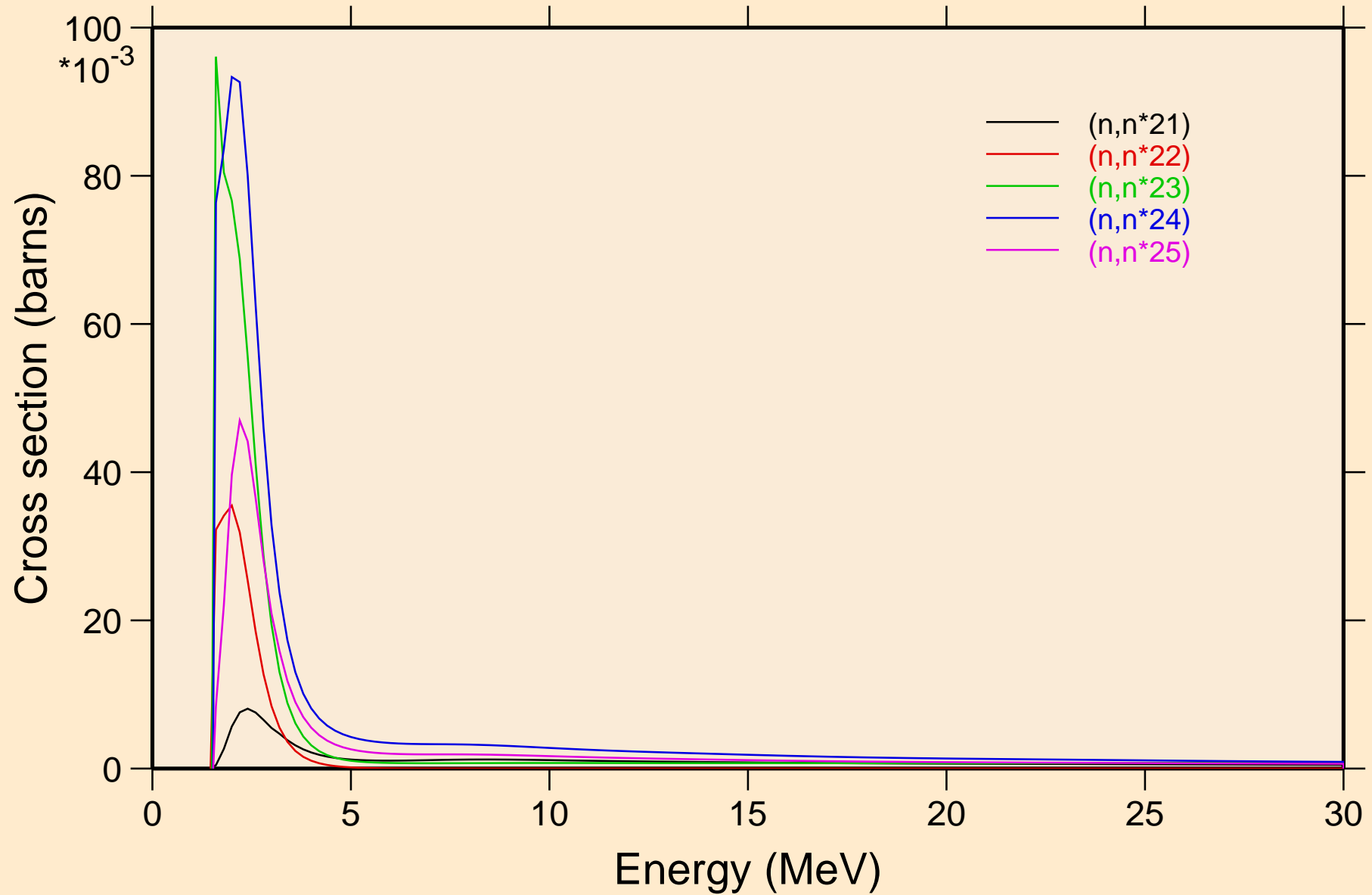


DY160 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels

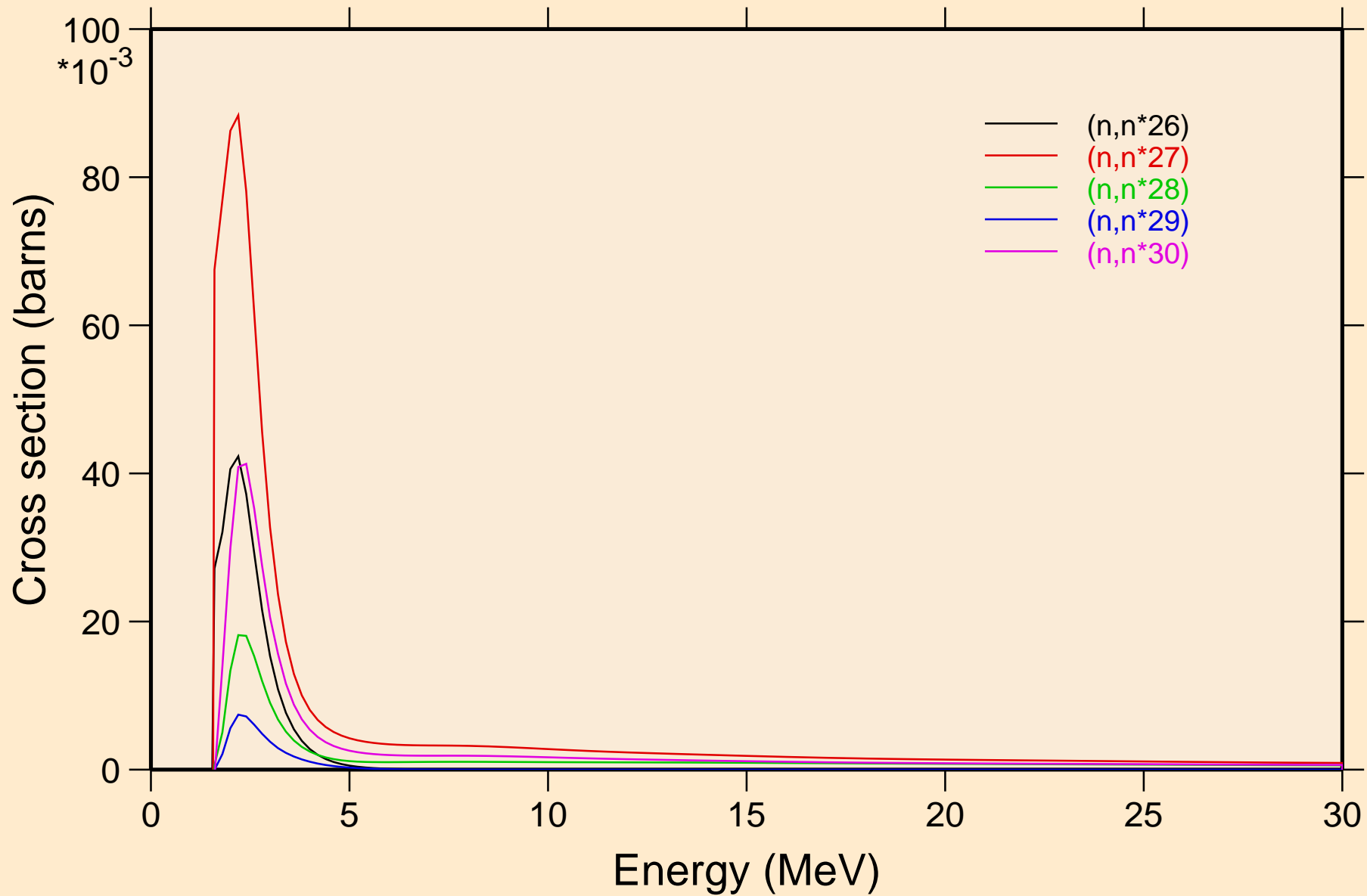




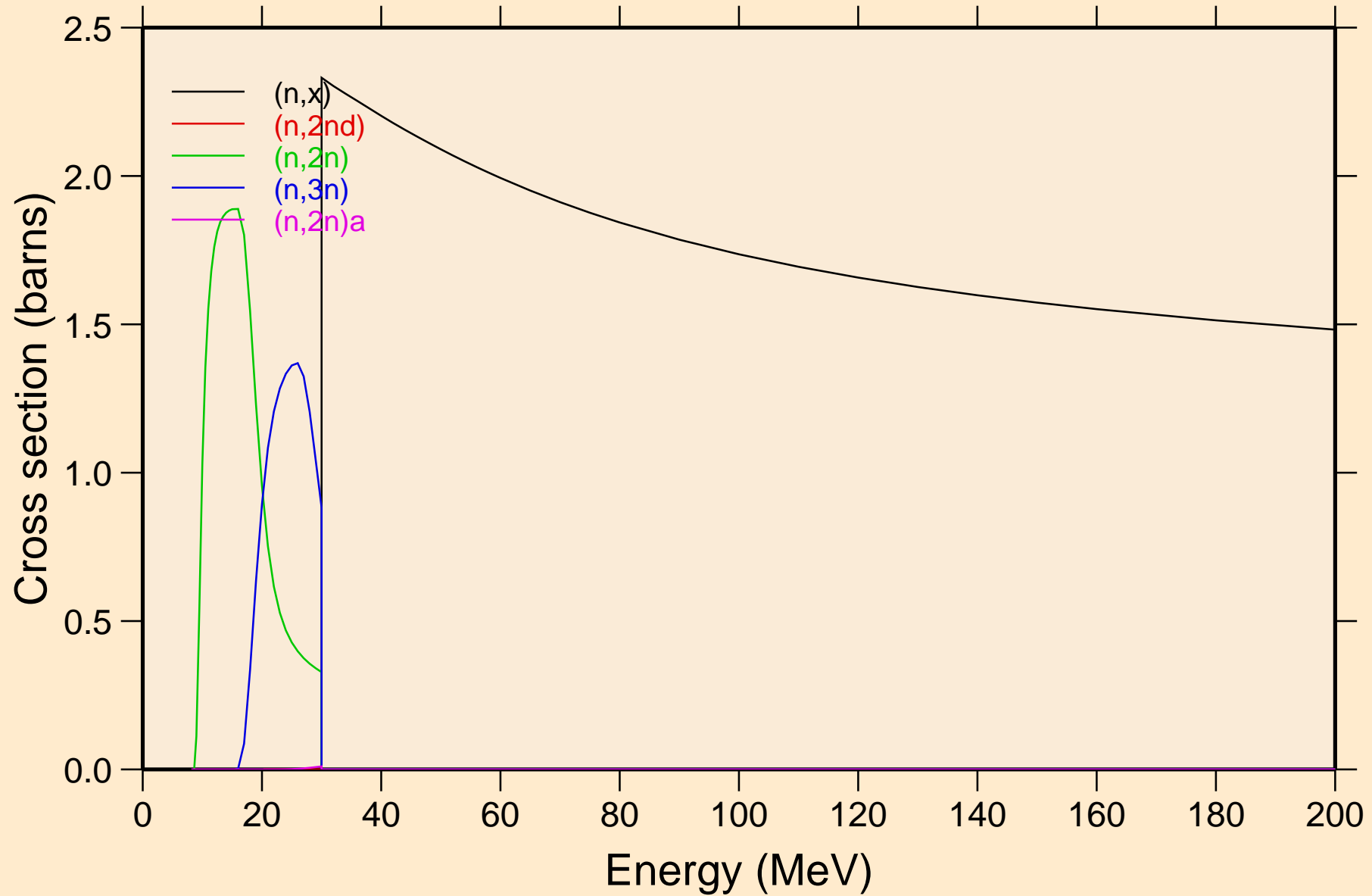
DY160 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



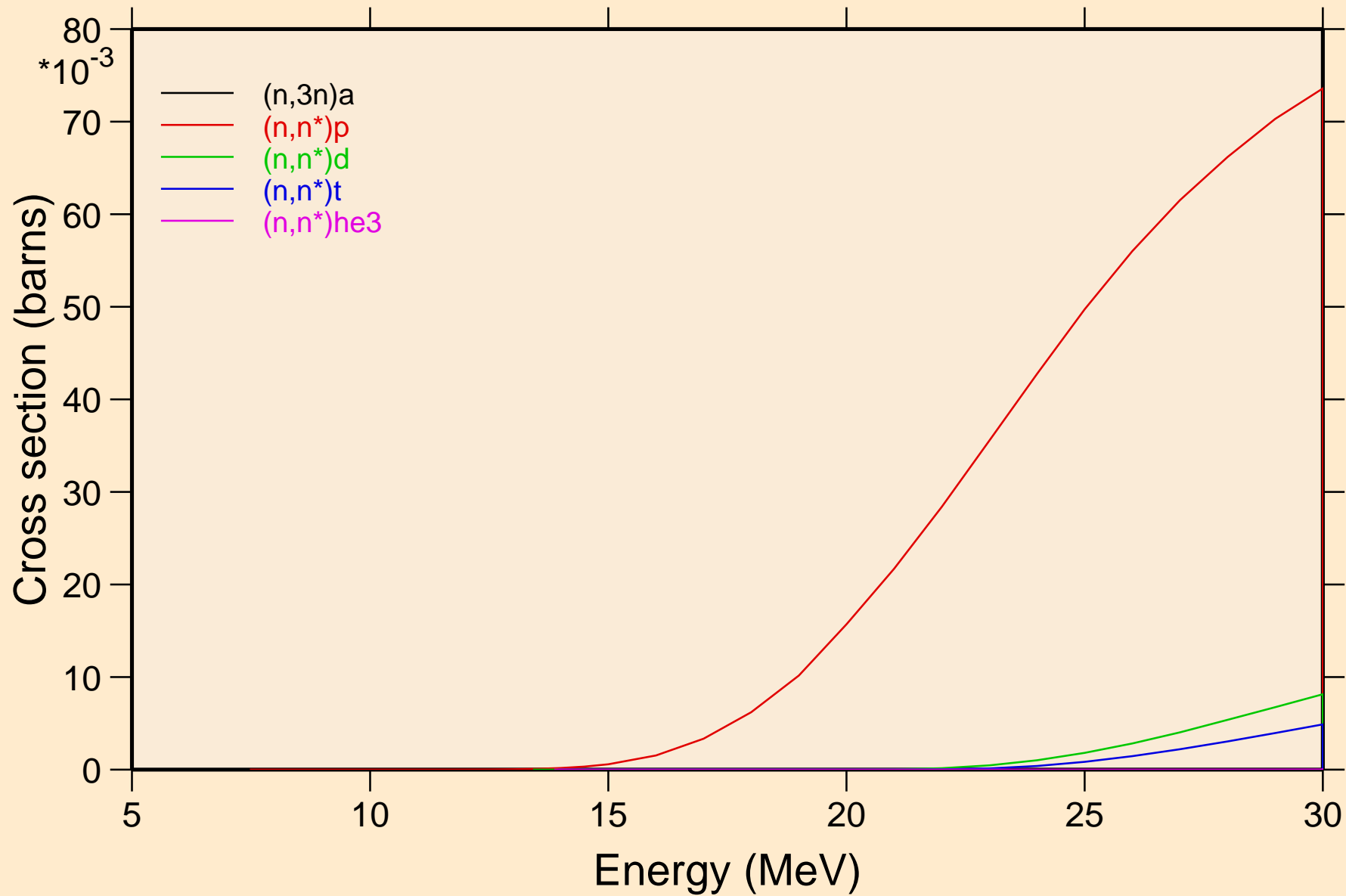
DY160 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



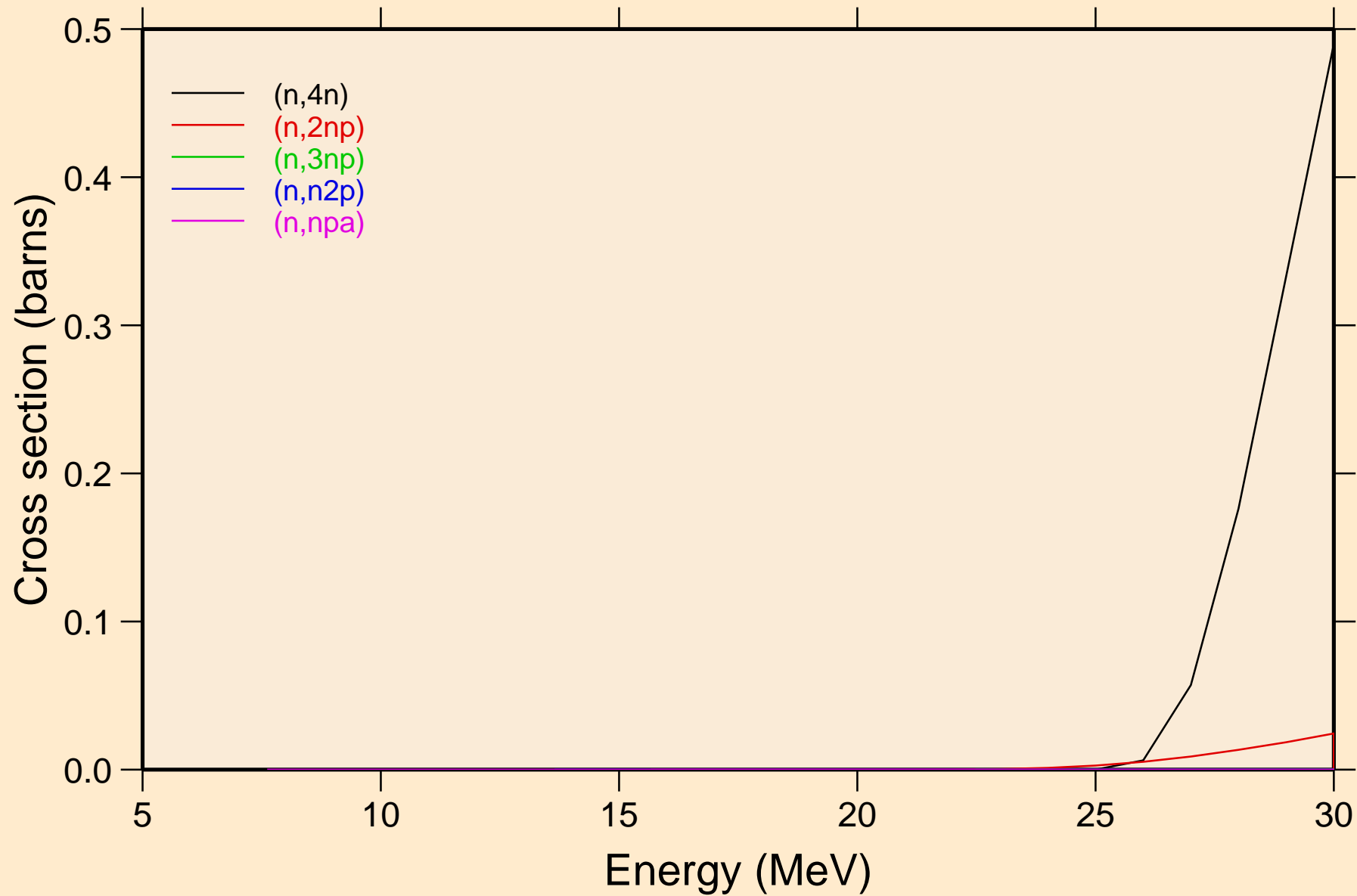
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Threshold reactions



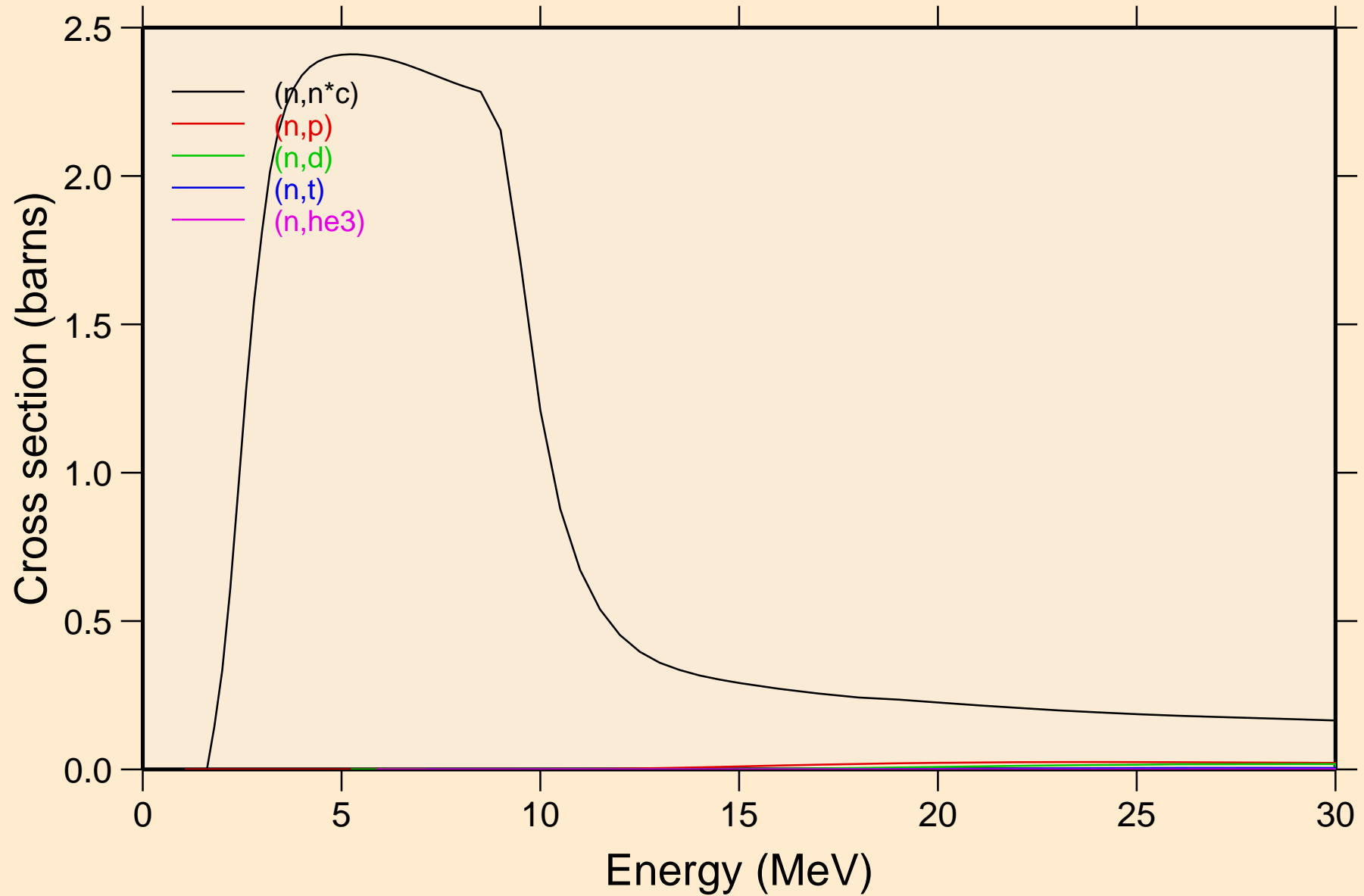
DY160 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



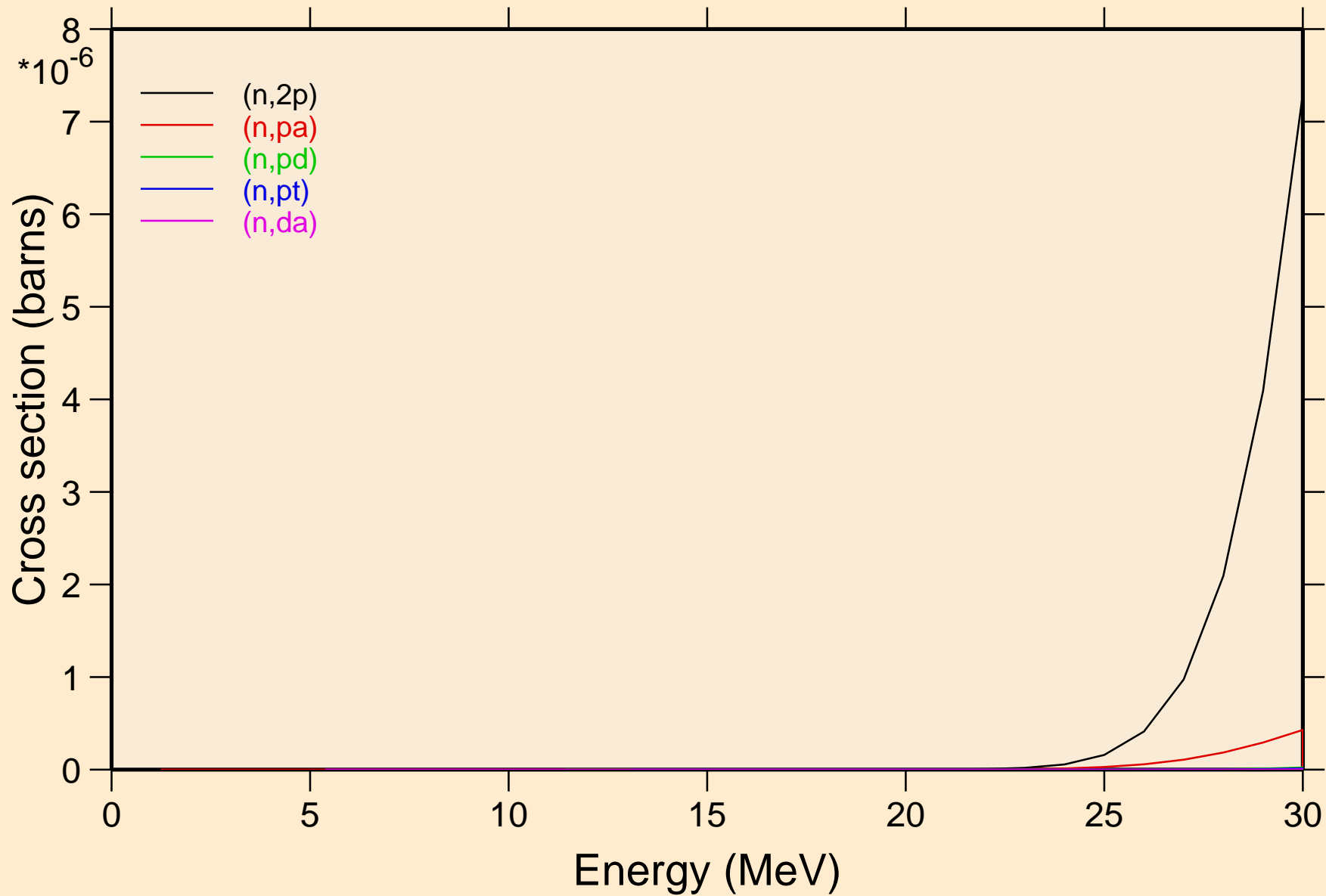
DY160 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



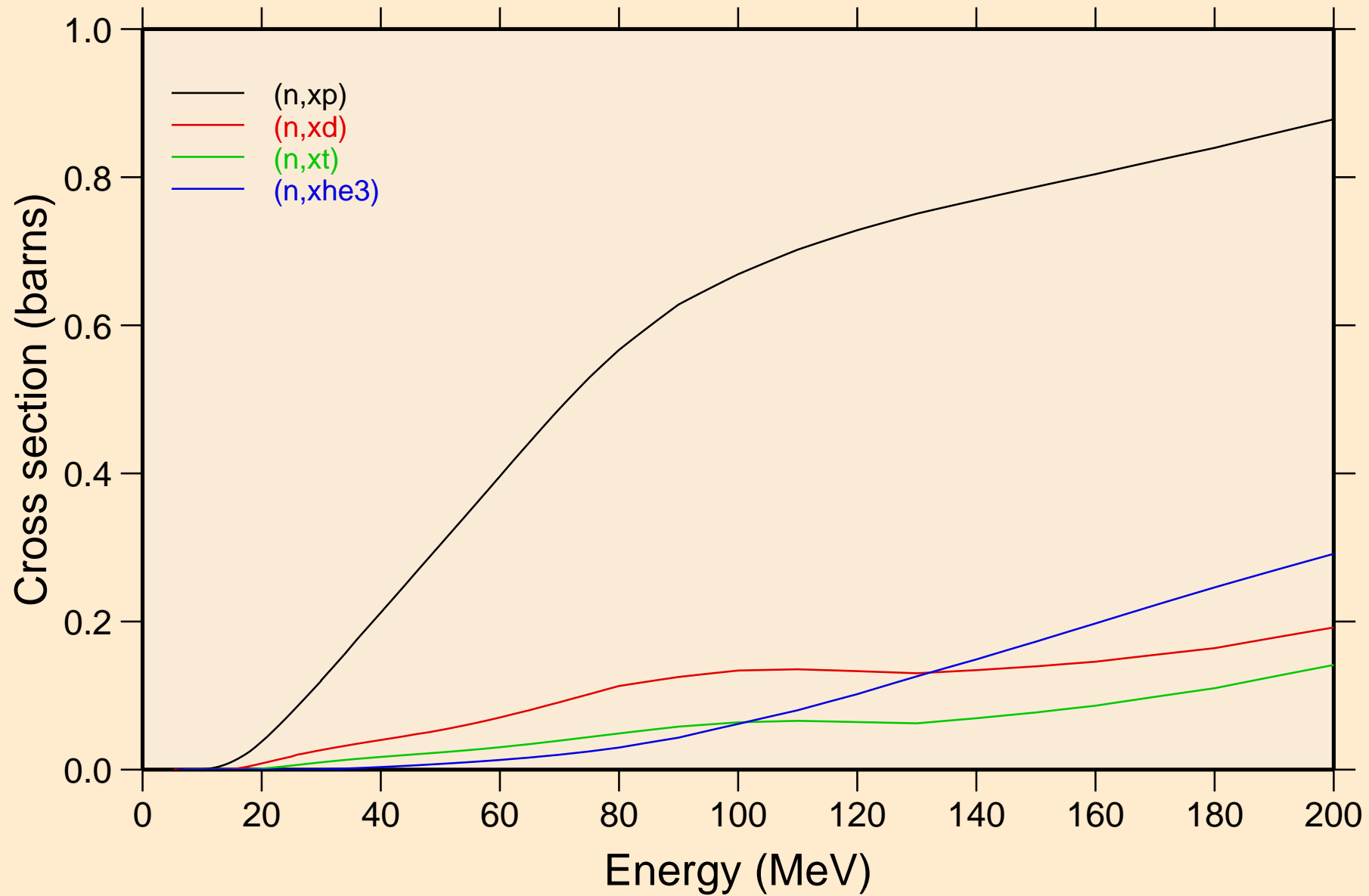
DY160 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



DY160 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions

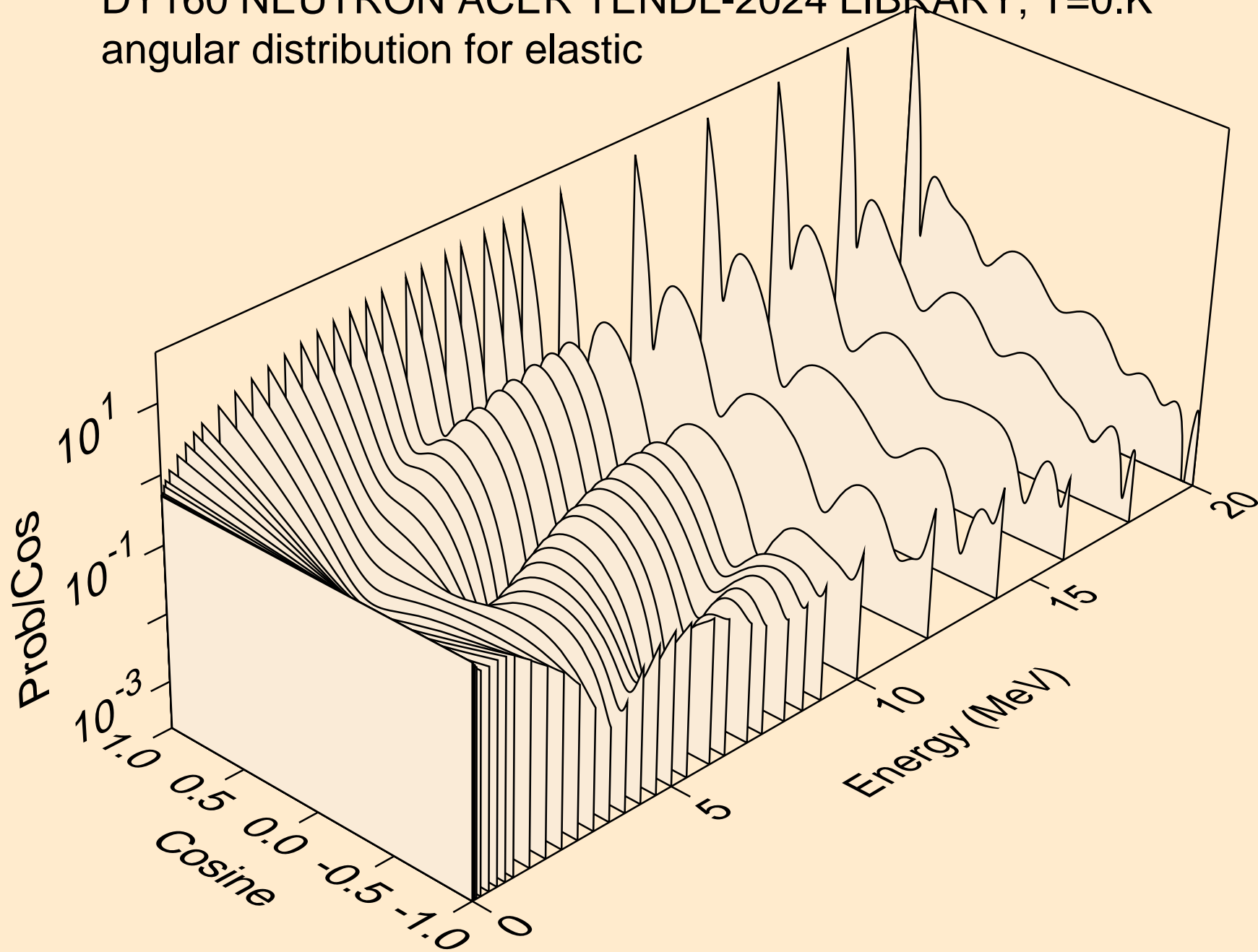


DY160 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions

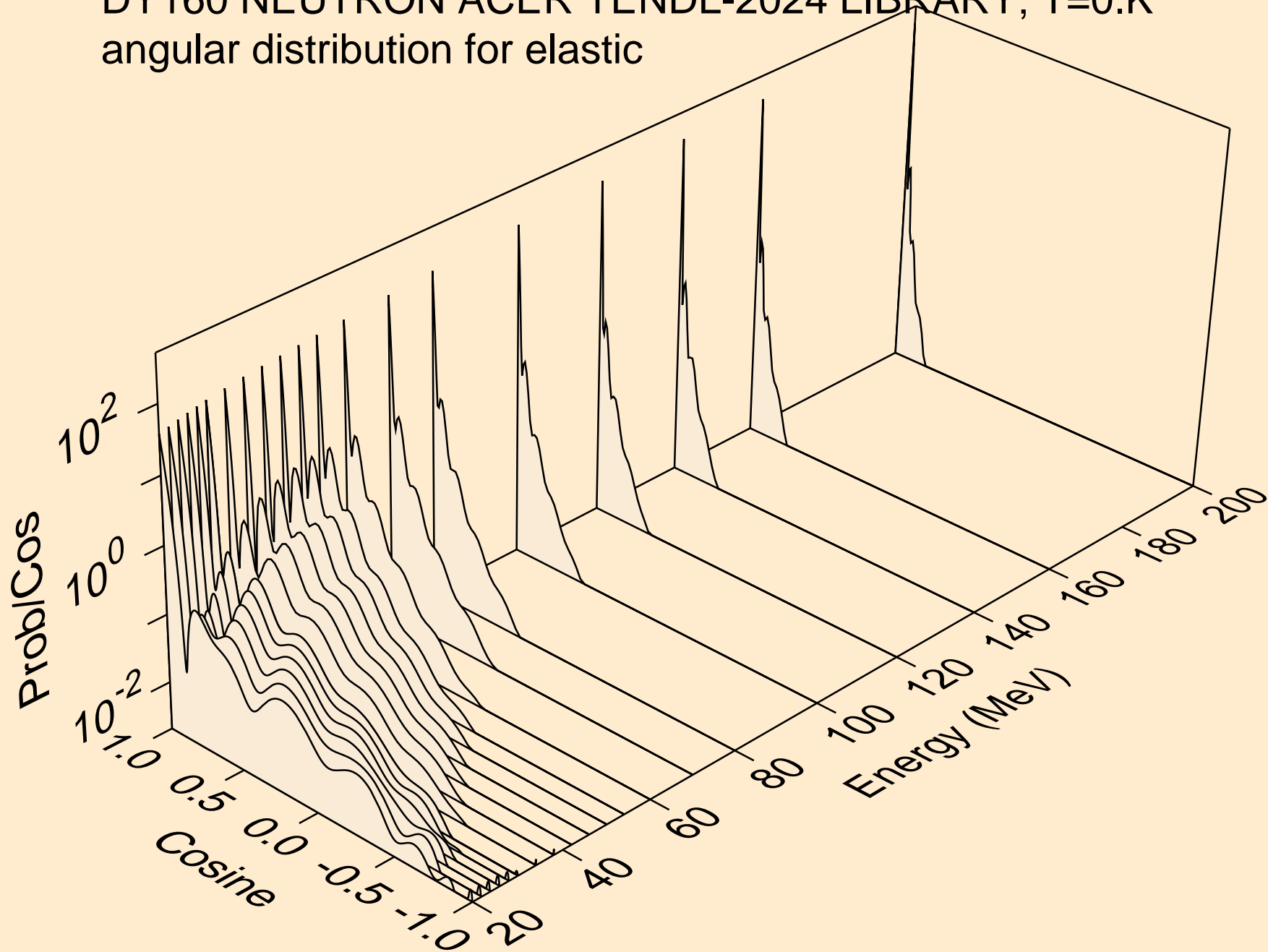




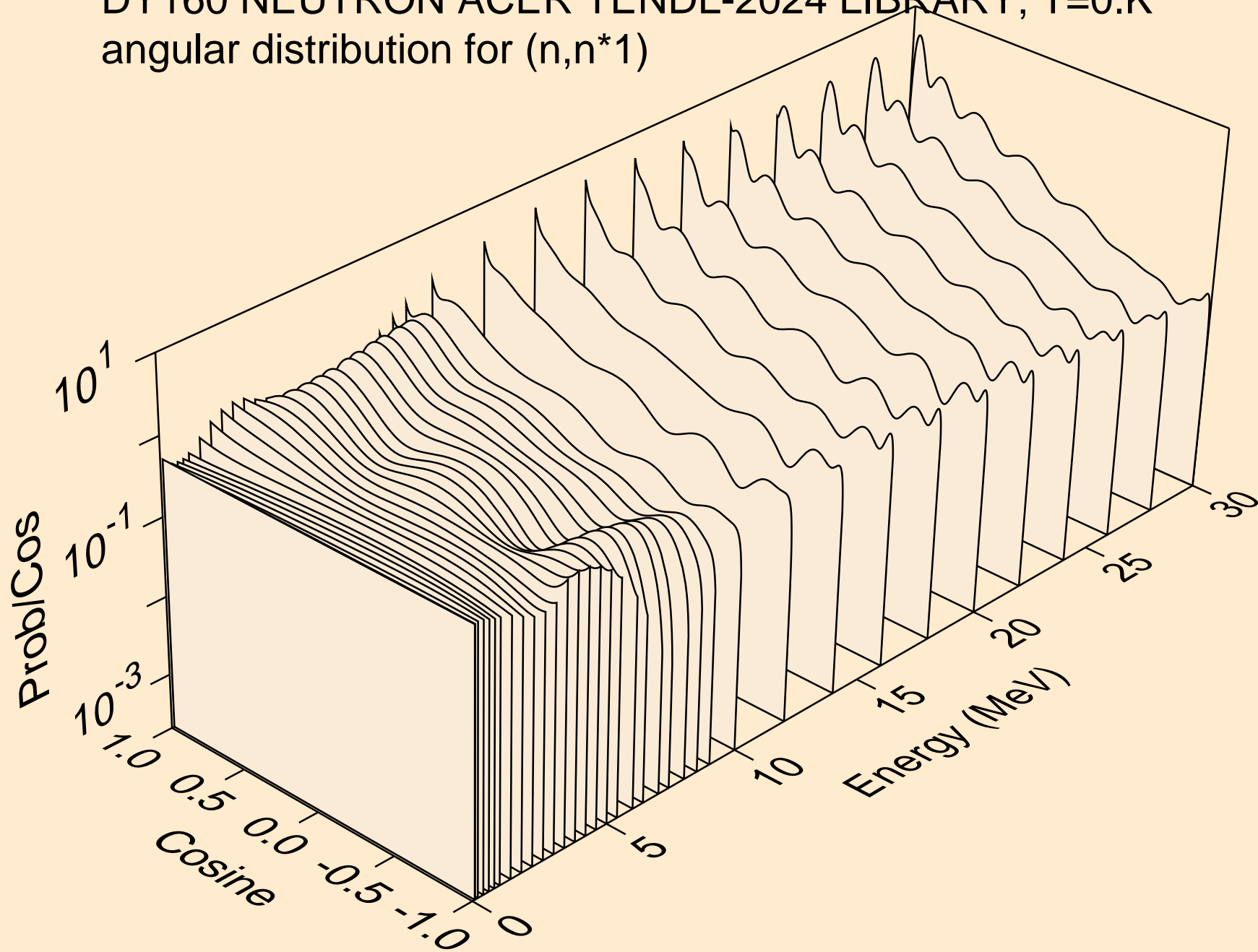
DY160 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



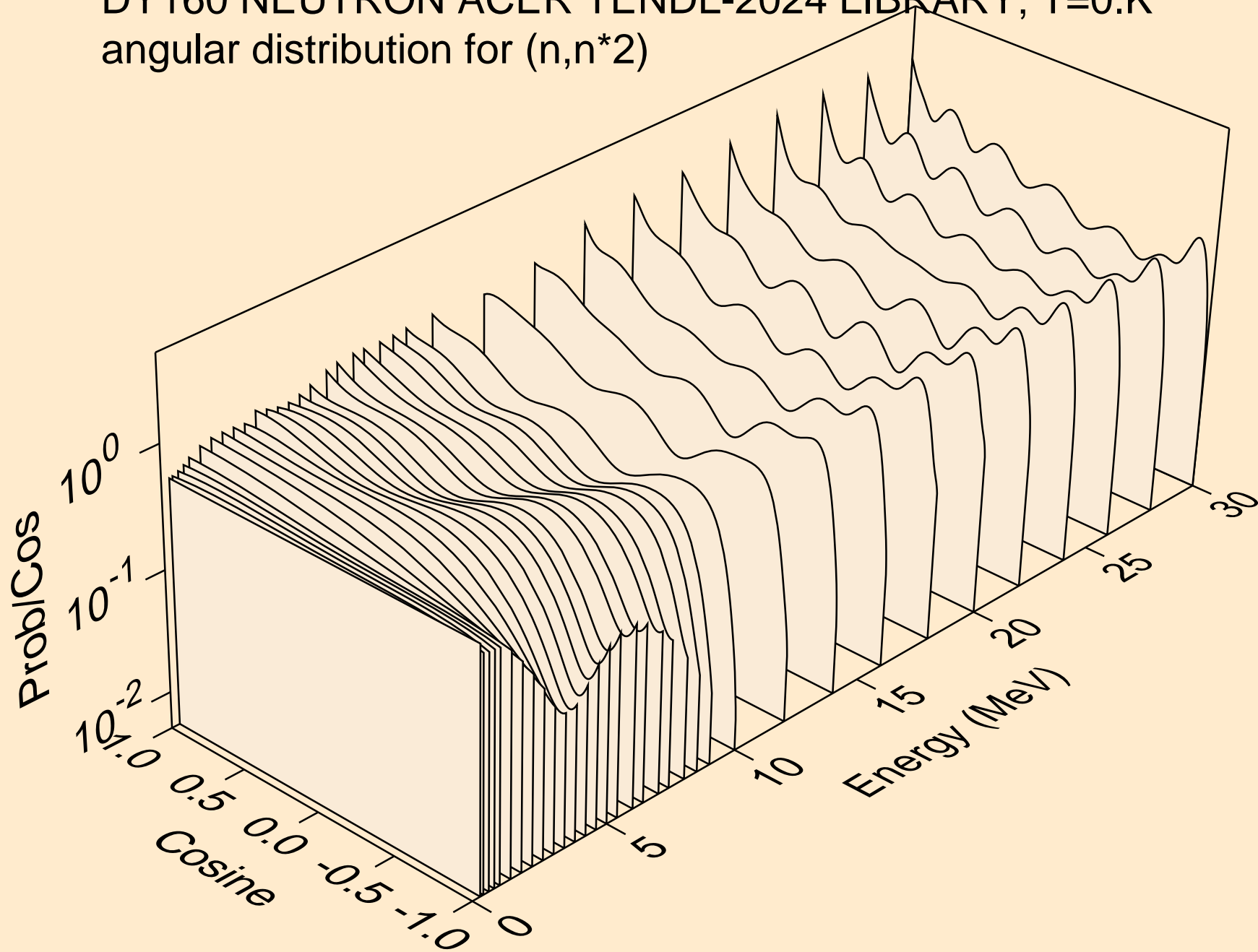
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angular distribution for elastic



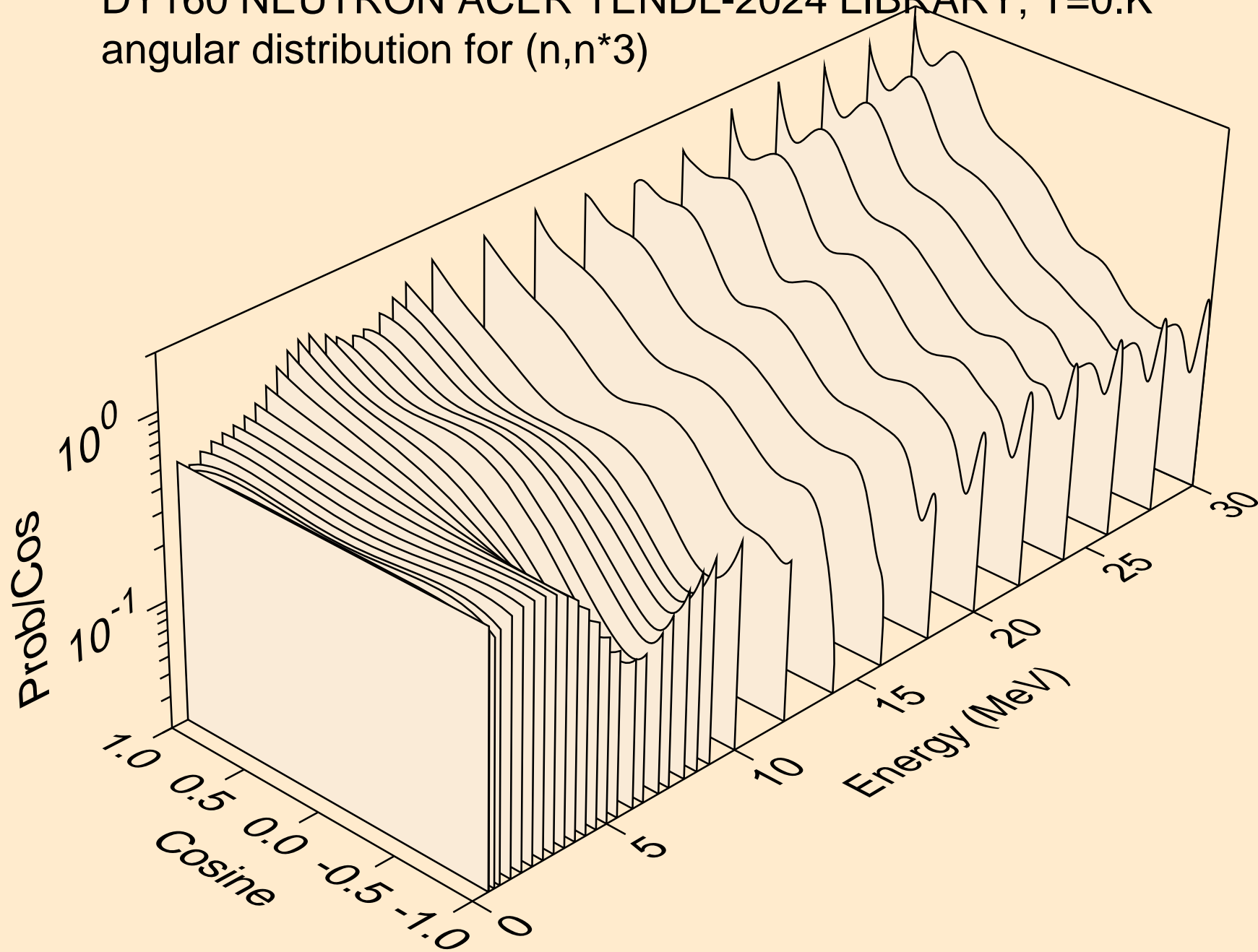
DY160 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



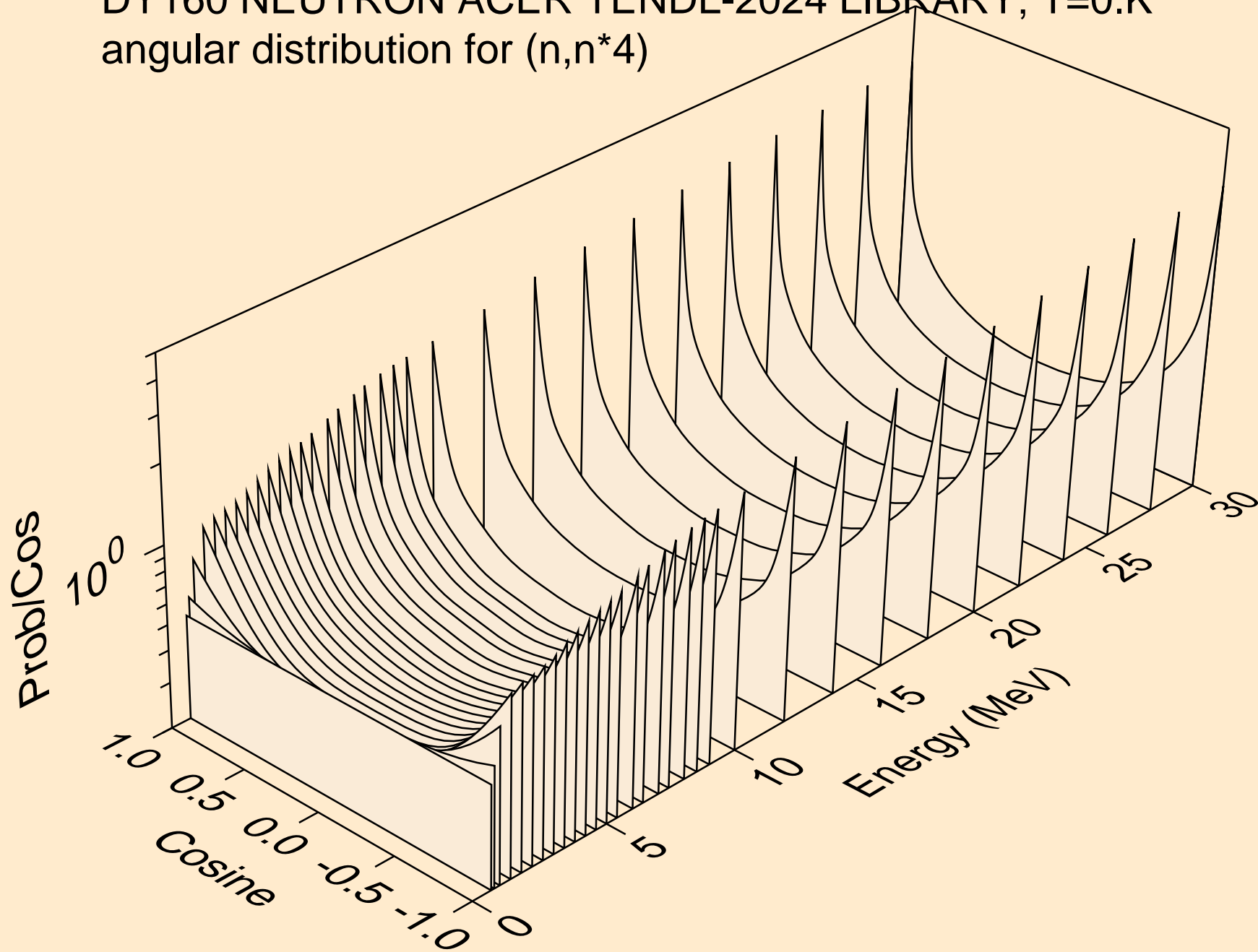
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angular distribution for (n,n\*2)



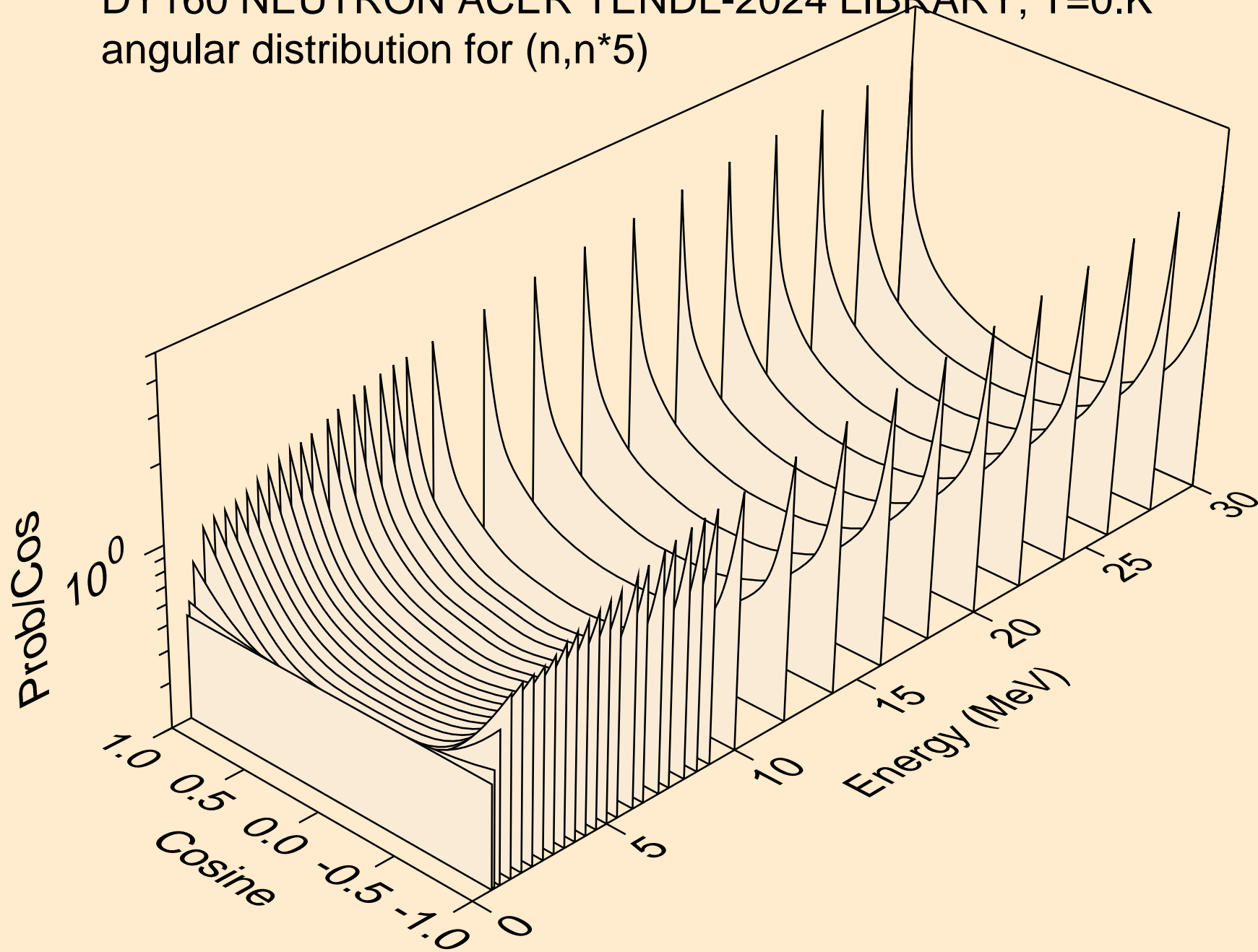
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angular distribution for (n,n\*3)



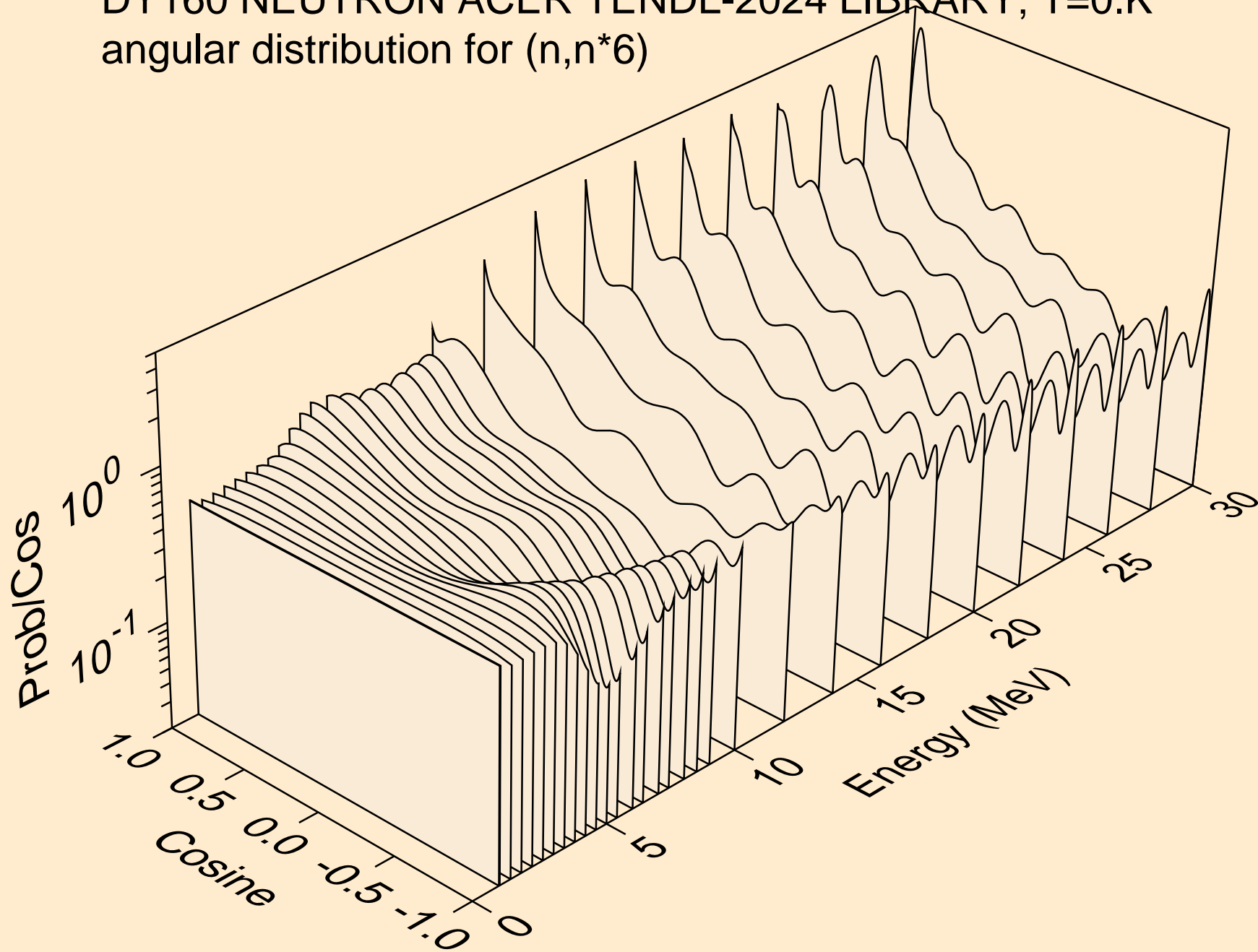
DY160 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*4)



DY160 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*5)

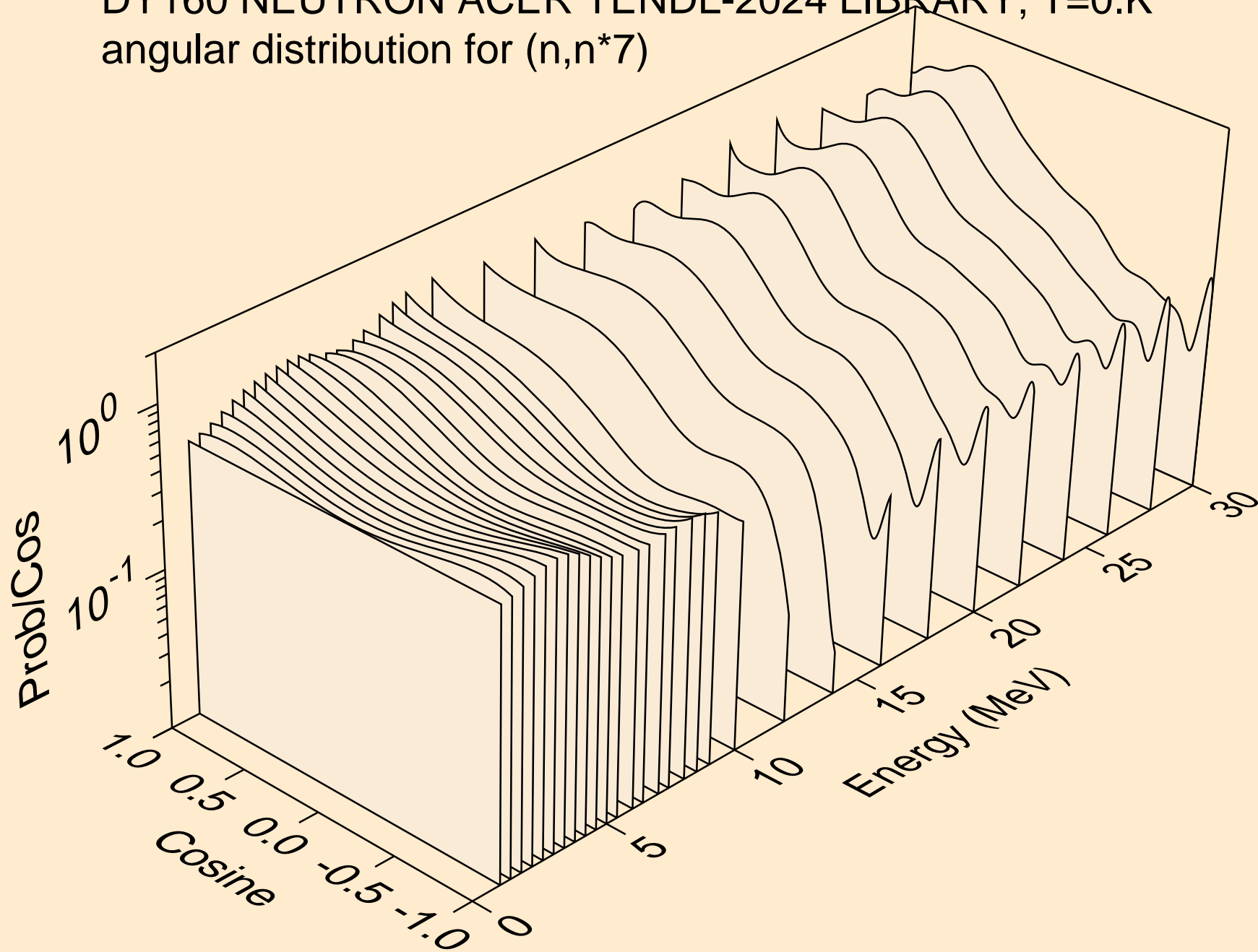


DY160 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*6)

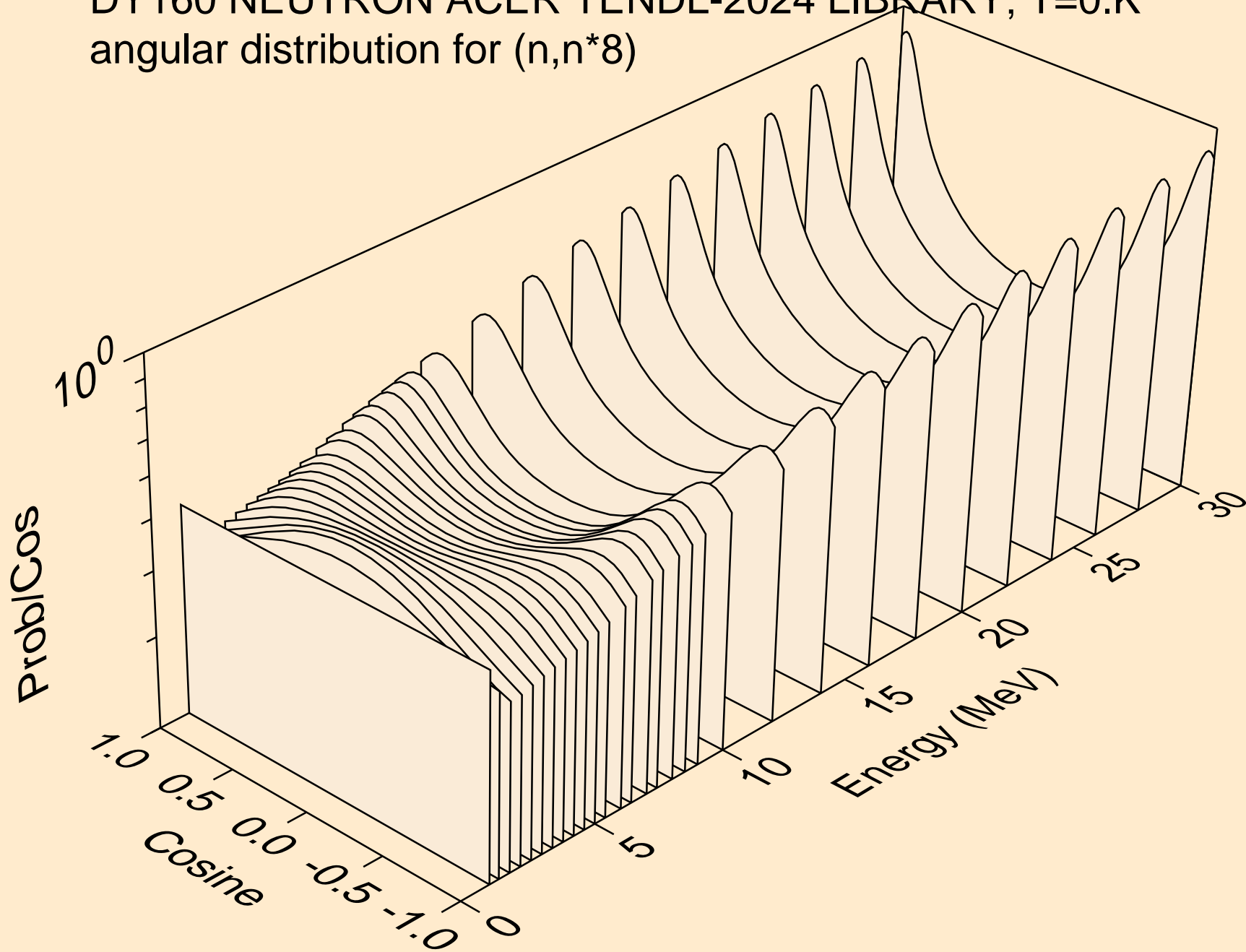




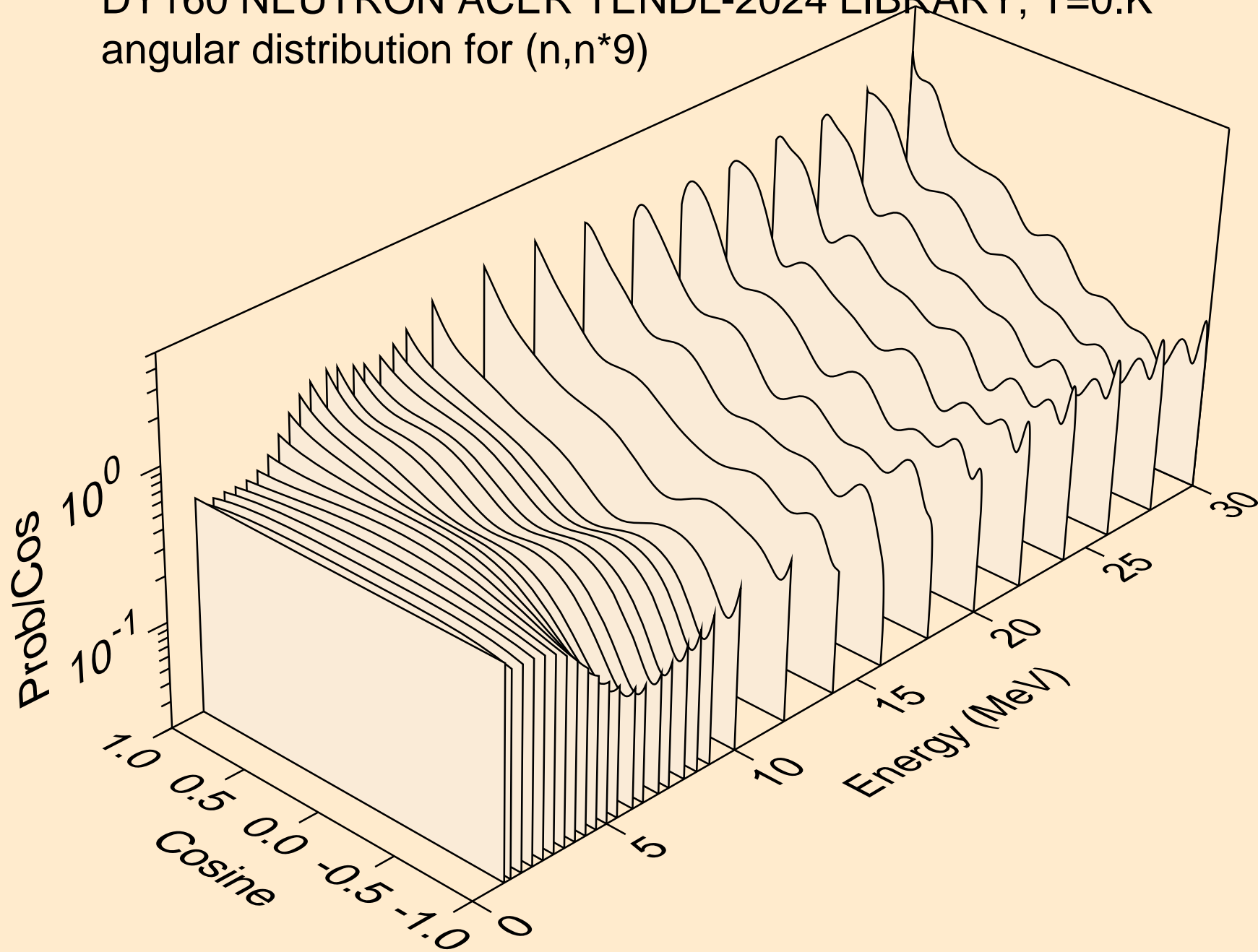
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angular distribution for (n,n\*7)



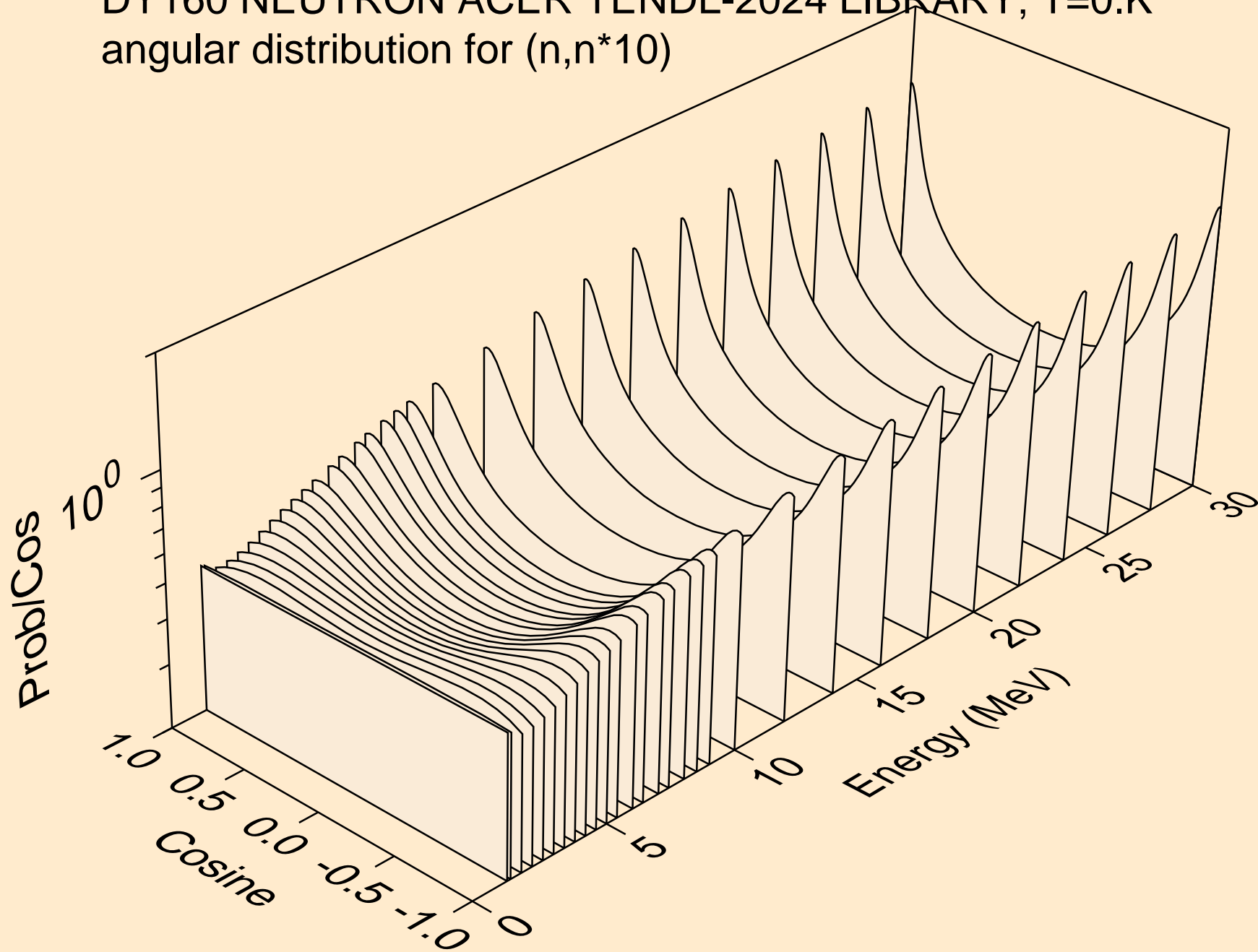
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angular distribution for (n,n\*8)



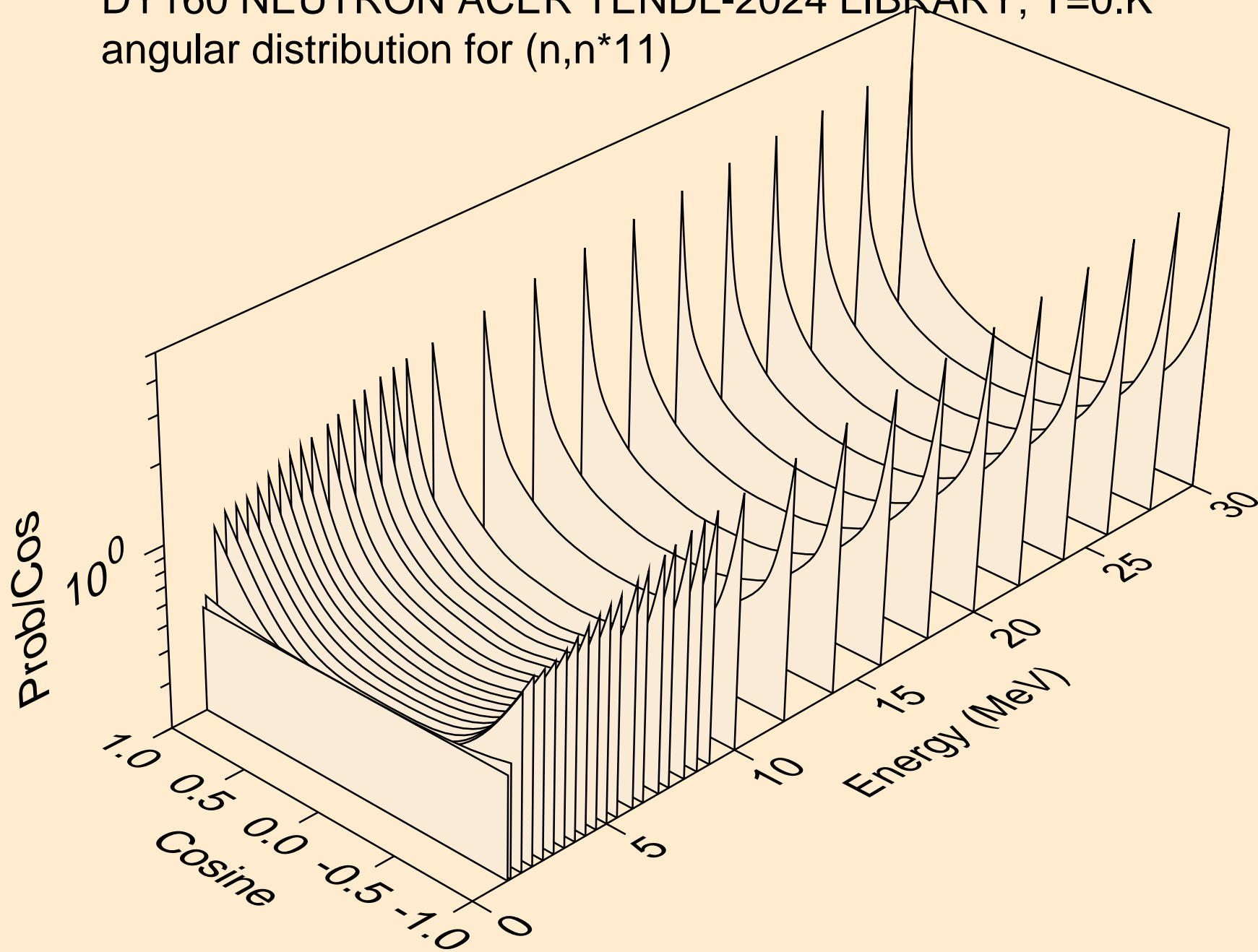
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angular distribution for (n,n\*9)



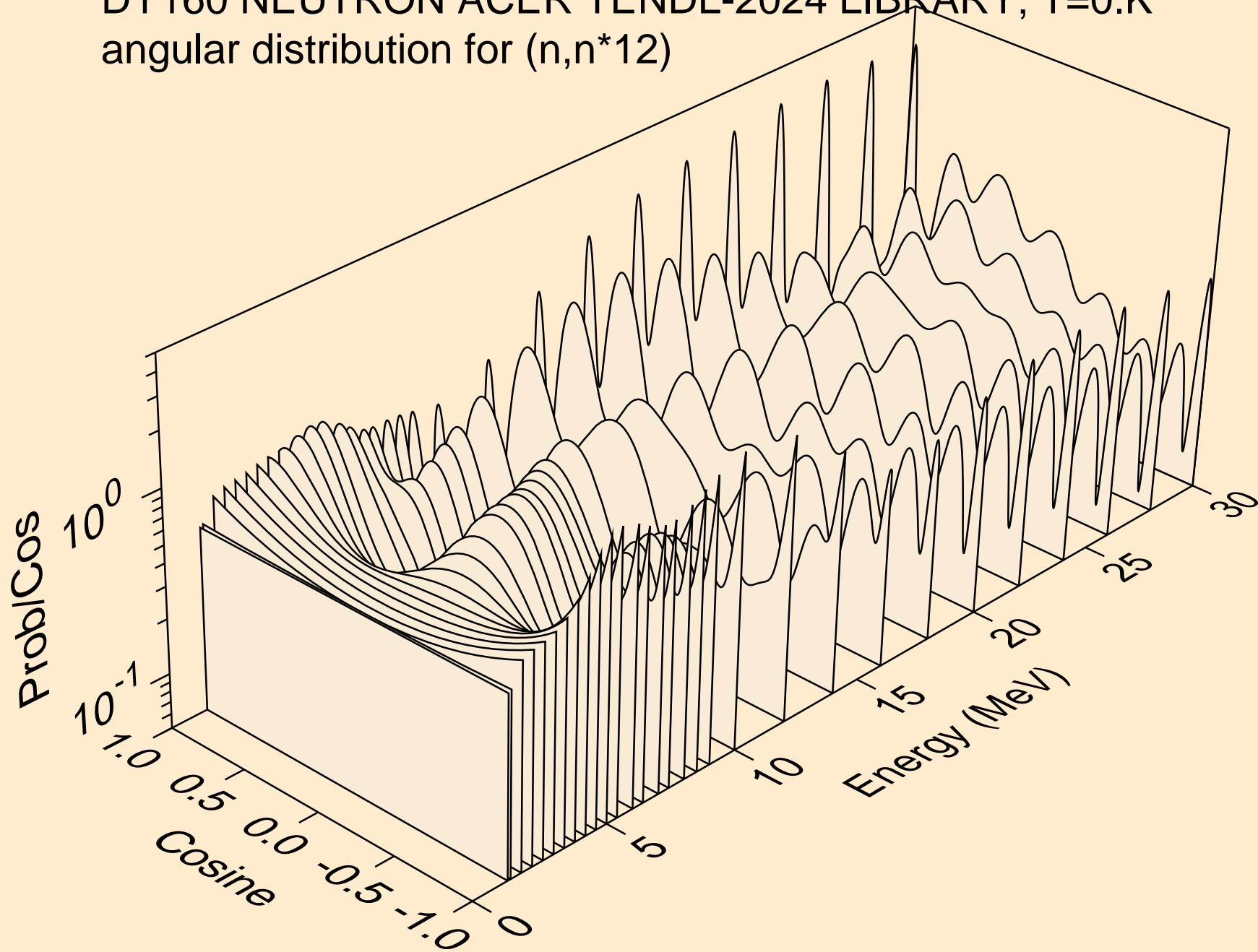
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angular distribution for (n,n\*10)



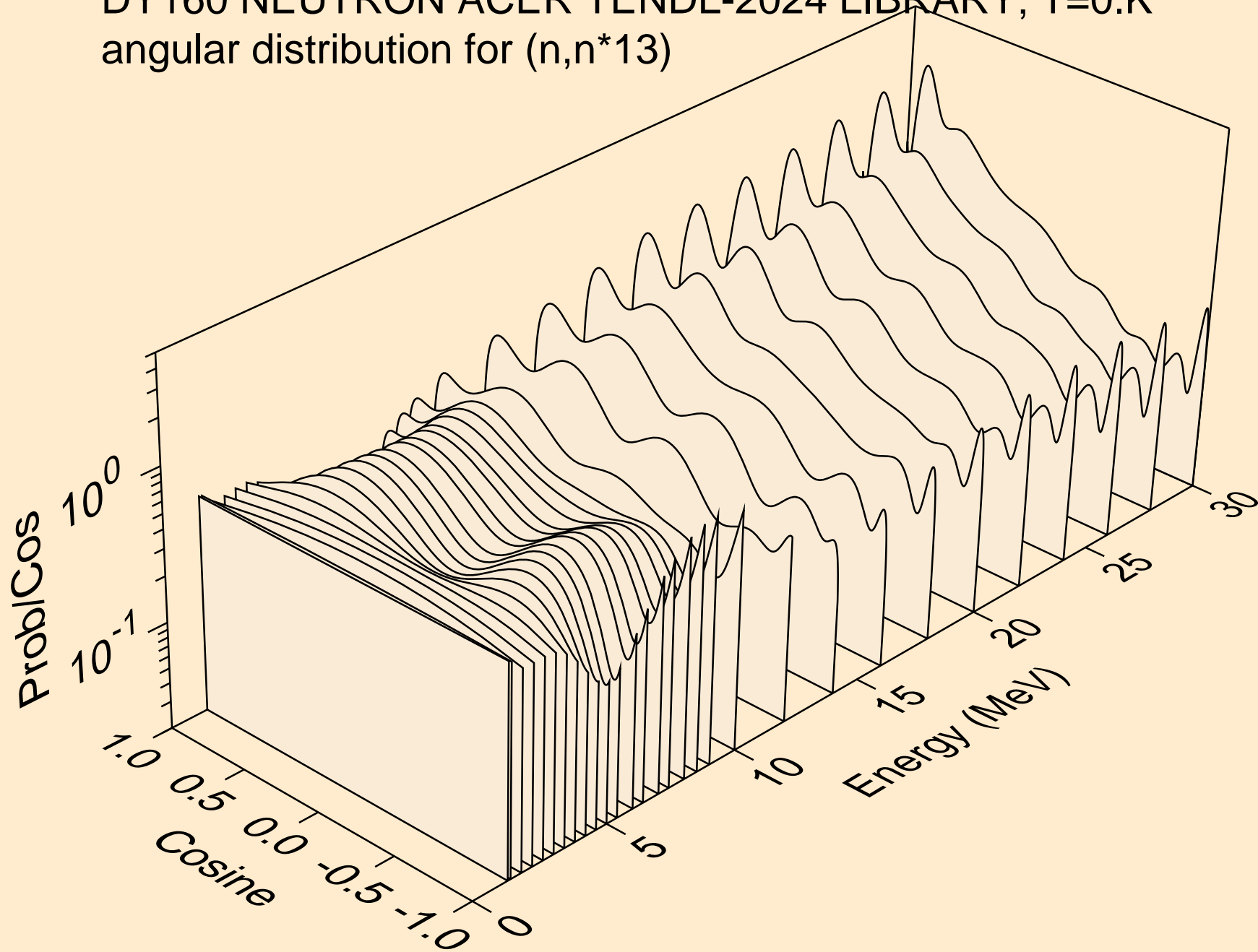
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angular distribution for (n,n\*11)



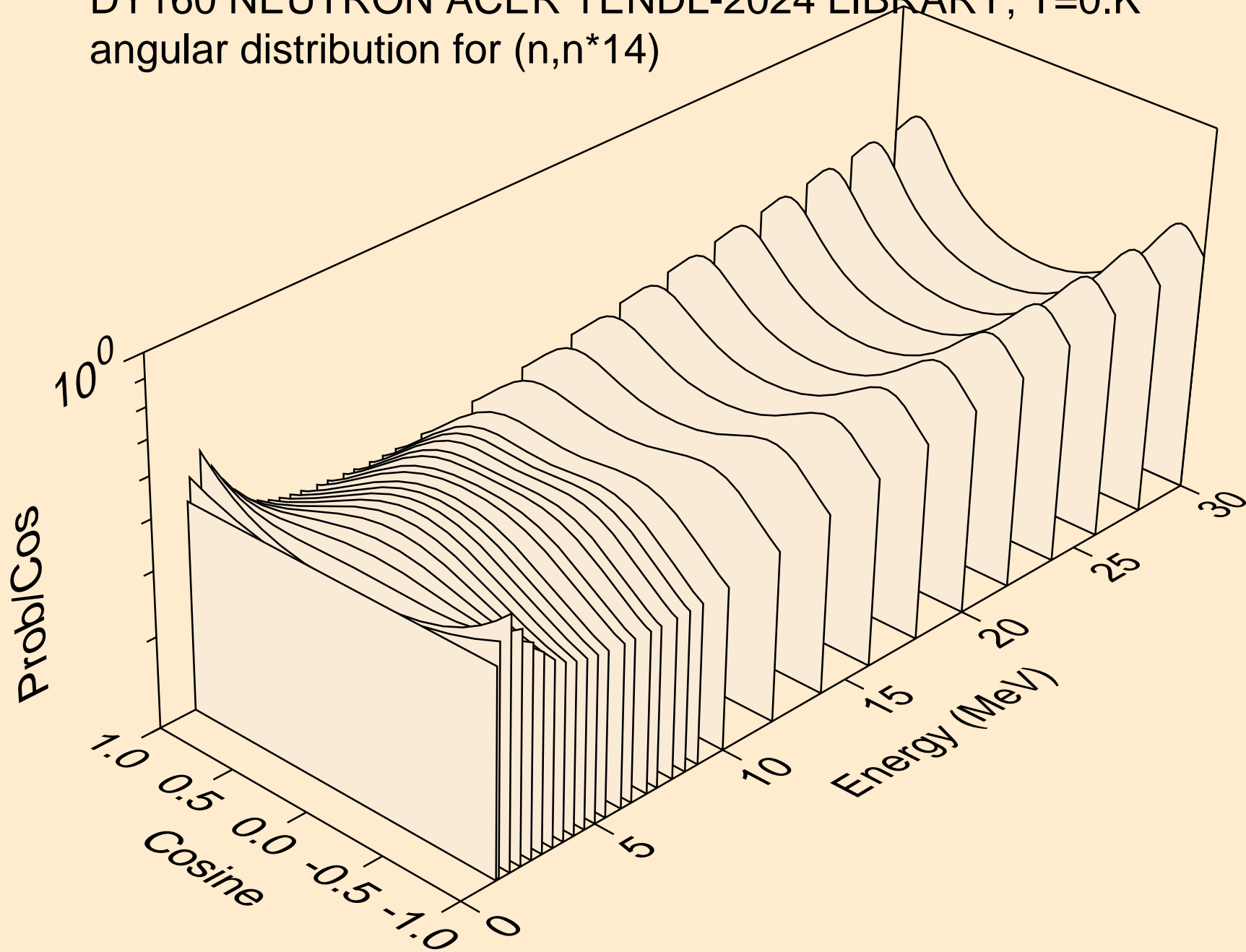
DY160 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*12)



DY160 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*13)

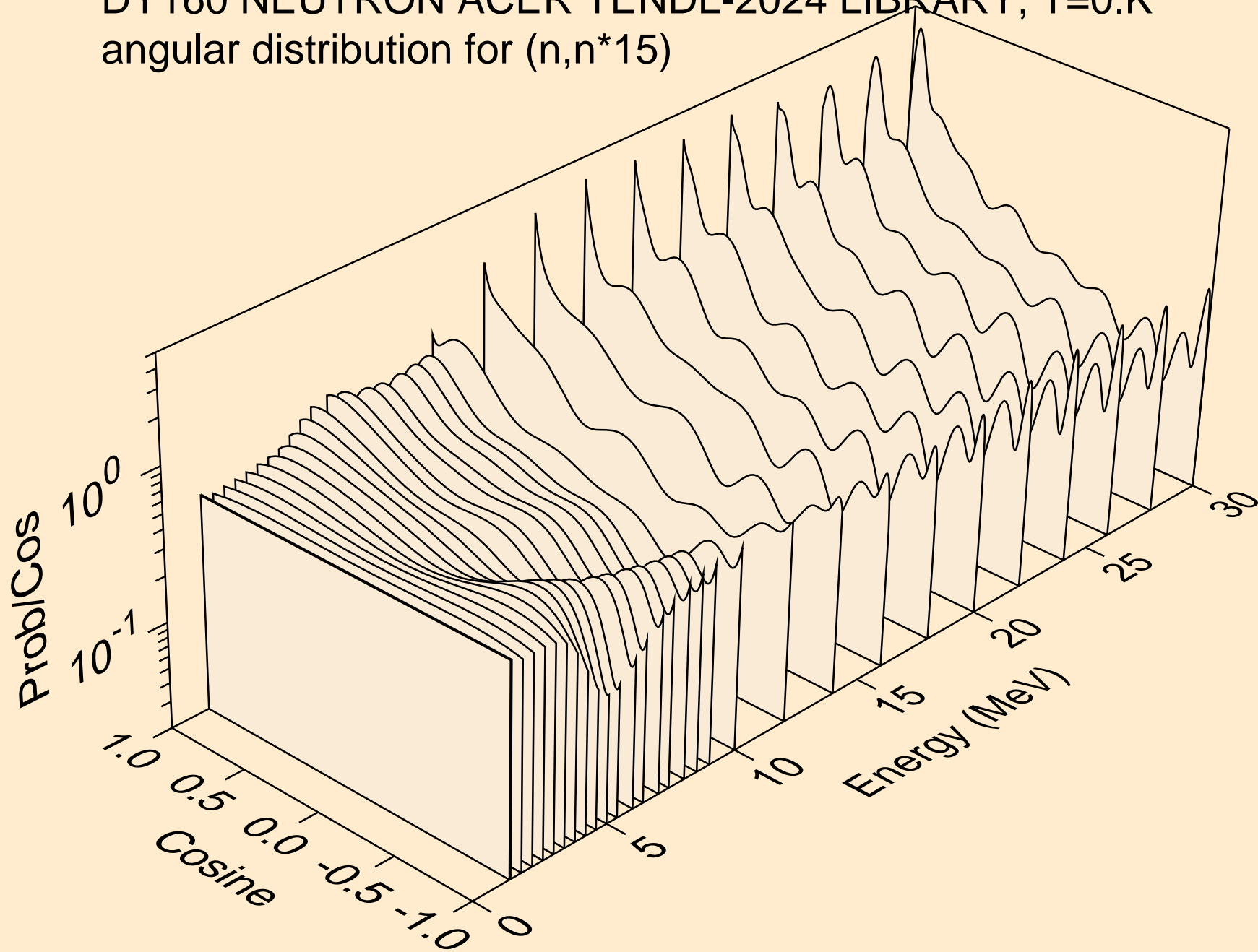


DY160 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*14)

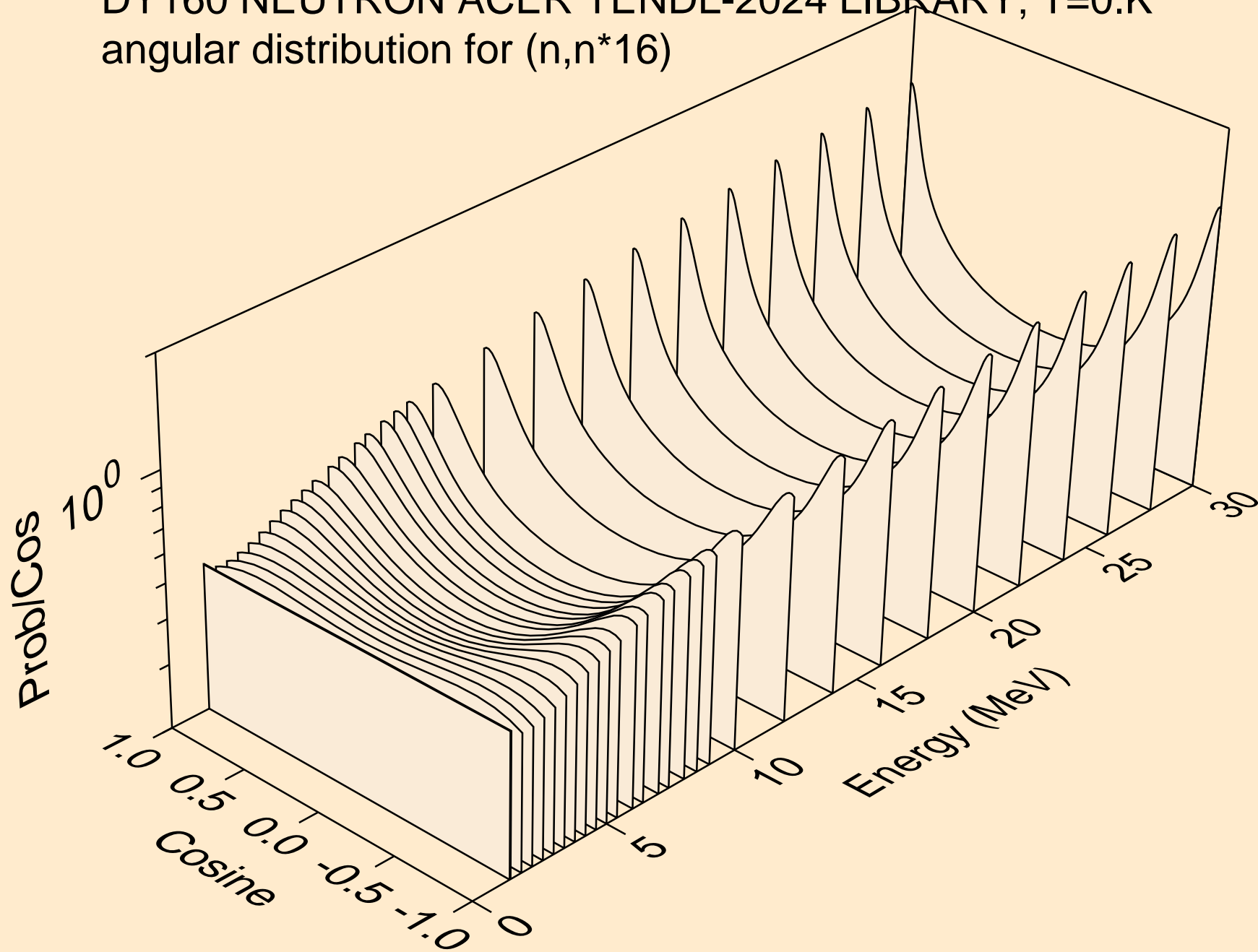




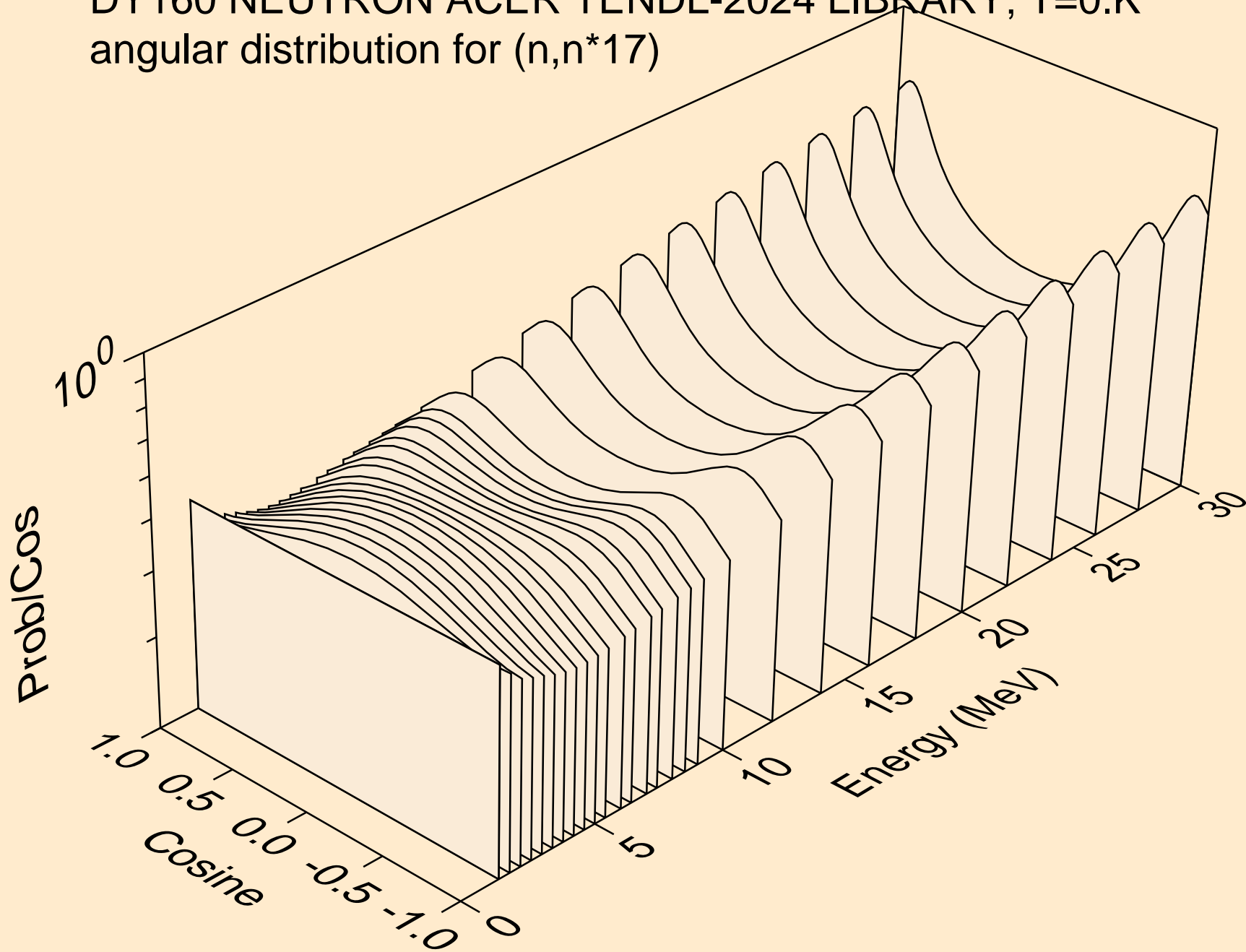
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angular distribution for (n,n\*15)



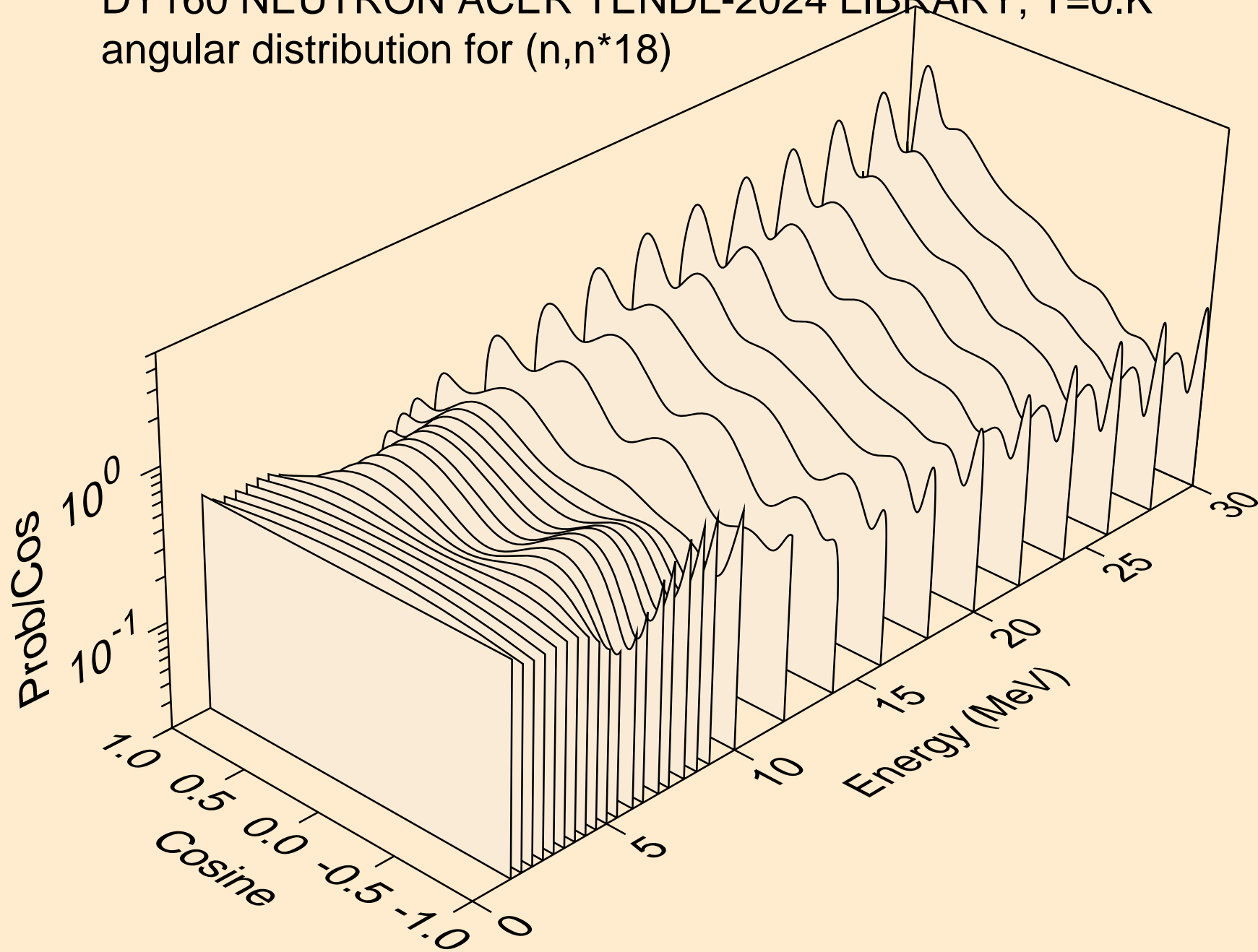
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angular distribution for (n,n\*16)



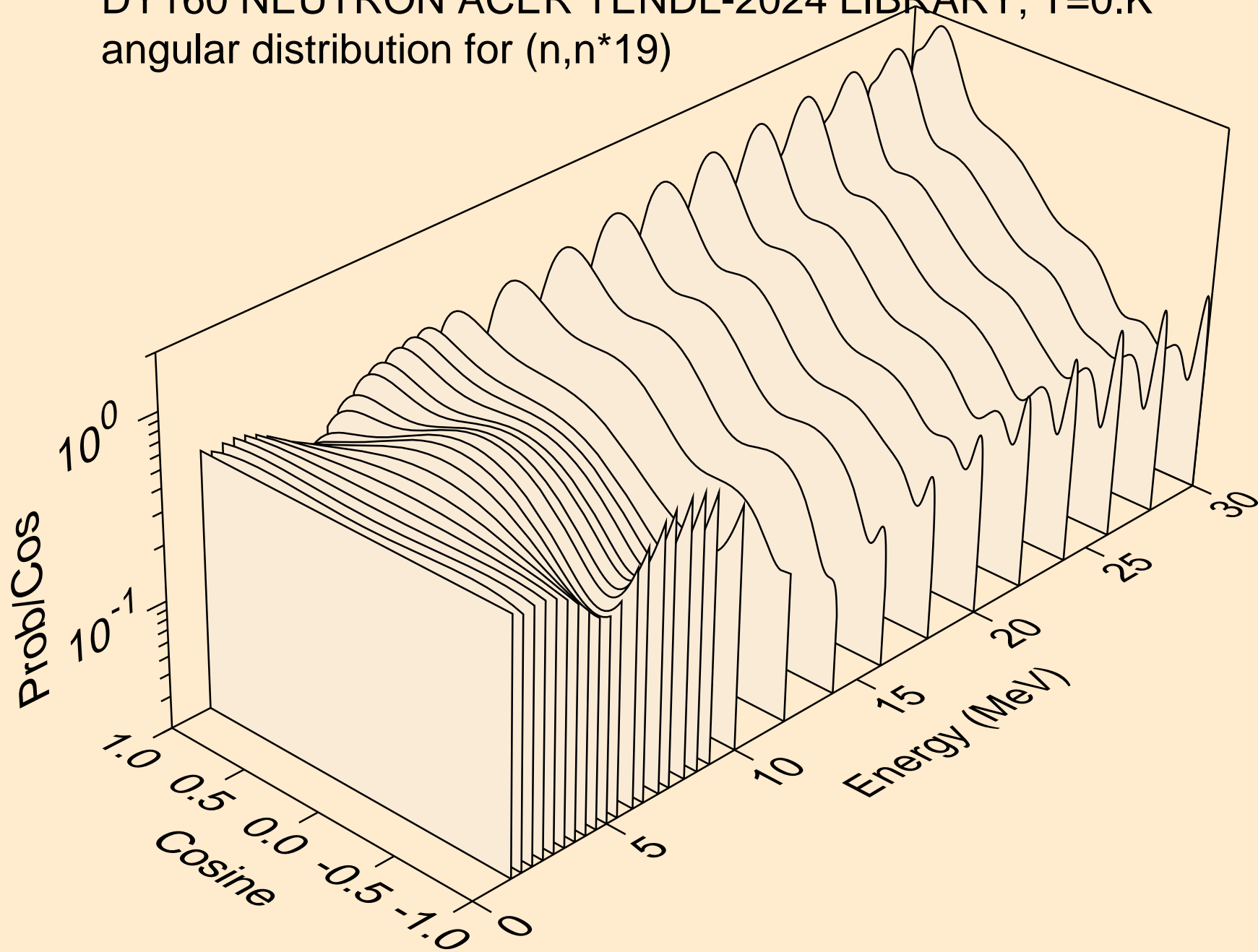
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angular distribution for (n,n\*17)



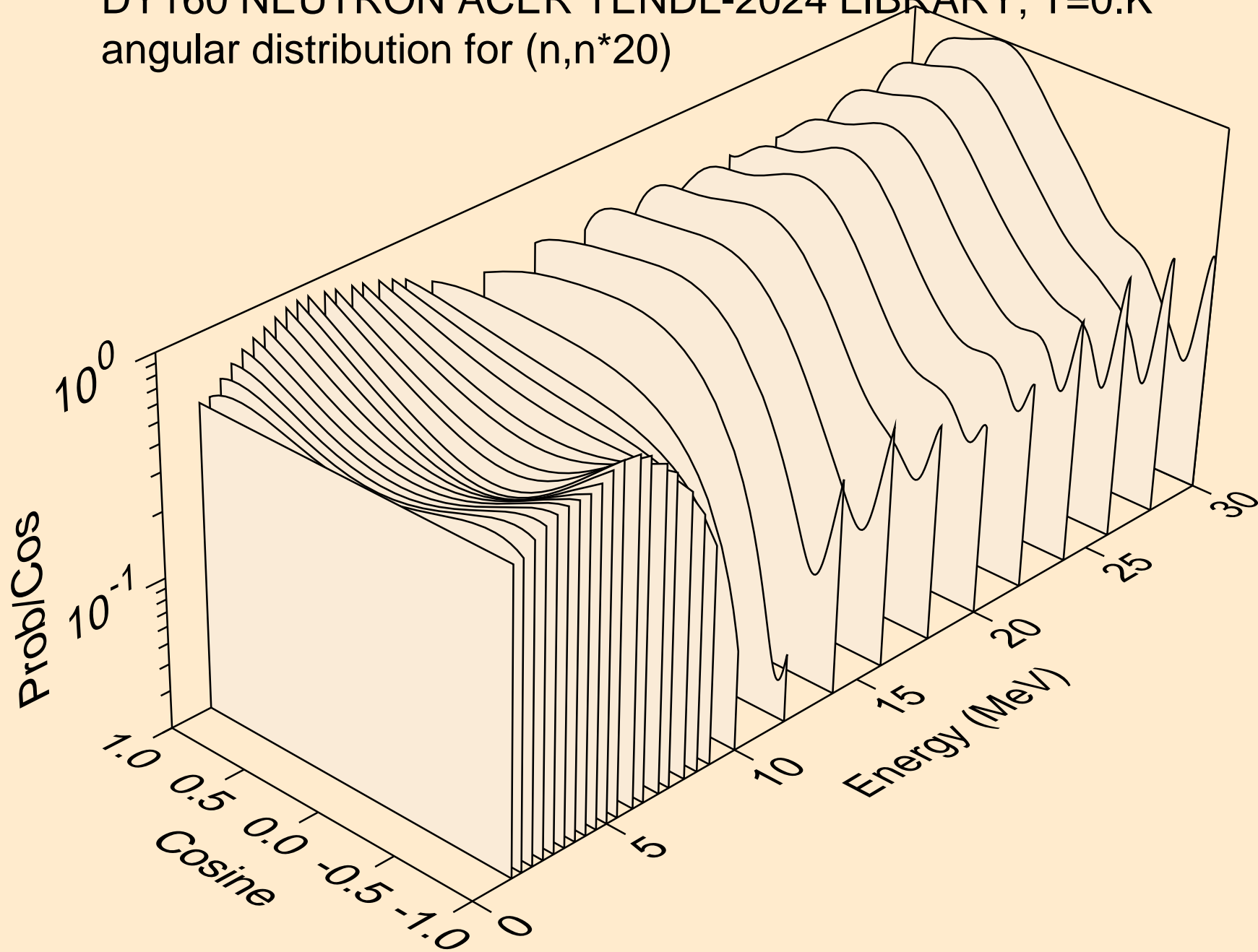
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angular distribution for (n,n\*18)



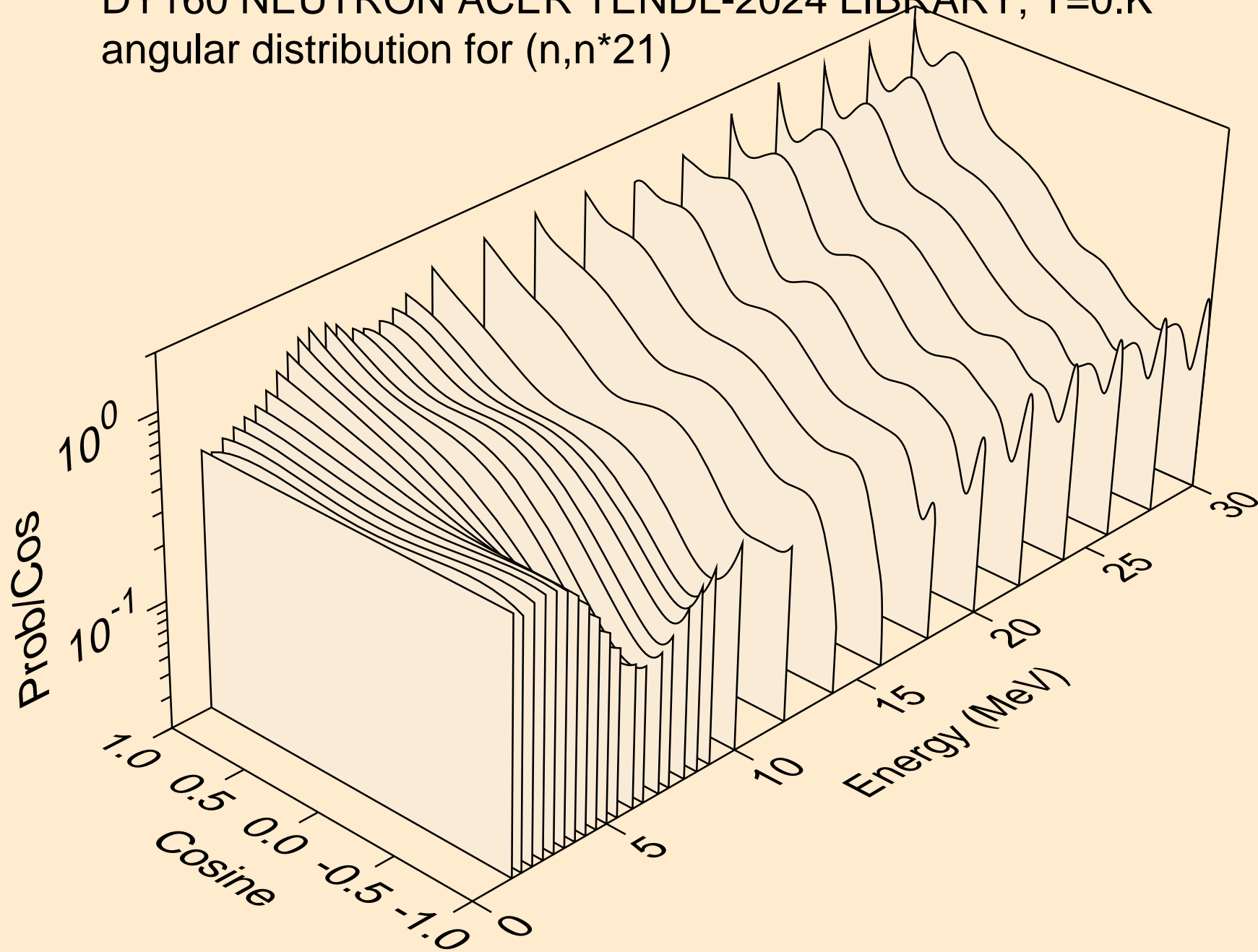
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angular distribution for (n,n\*19)



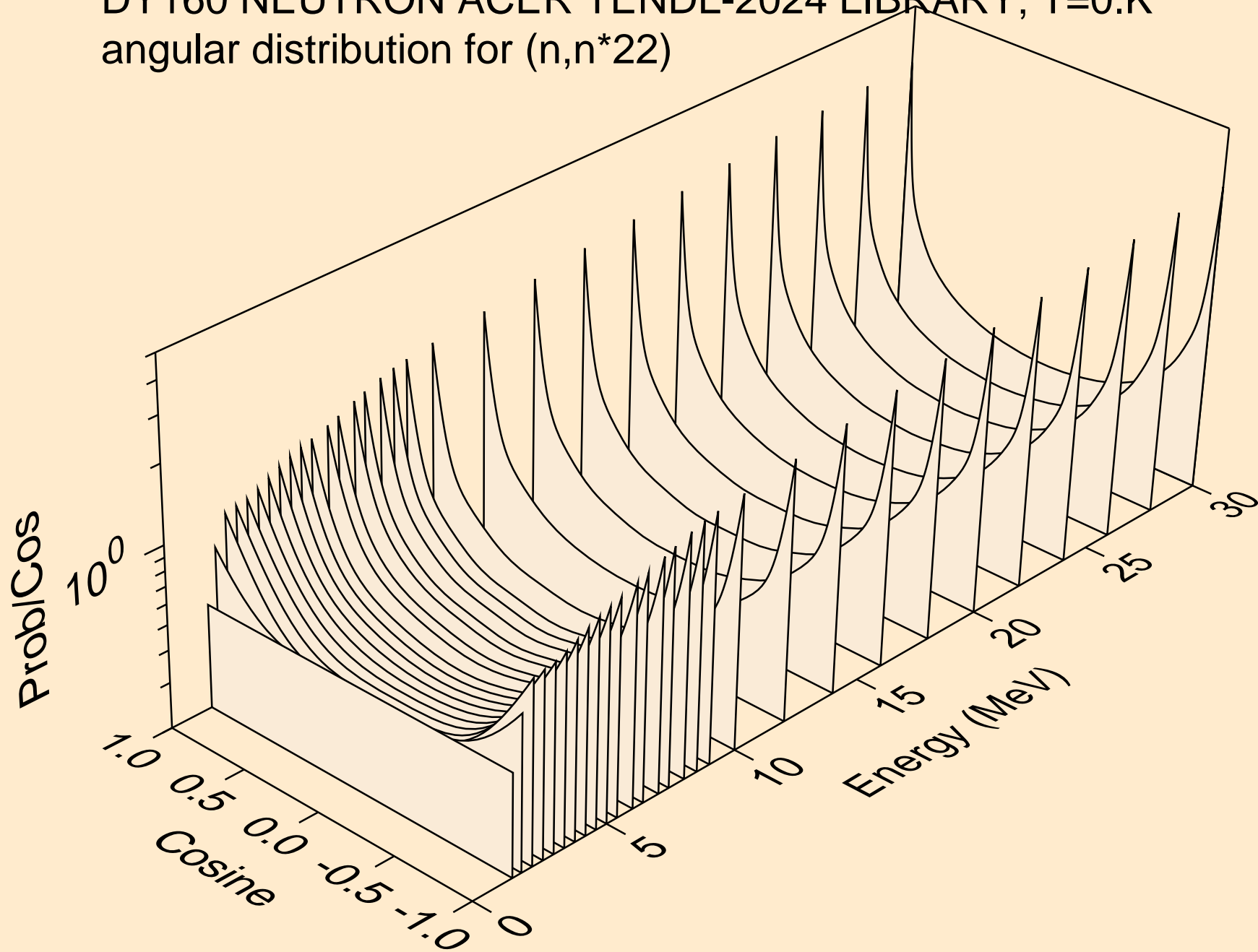
DY160 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*20)



DY160 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*21)

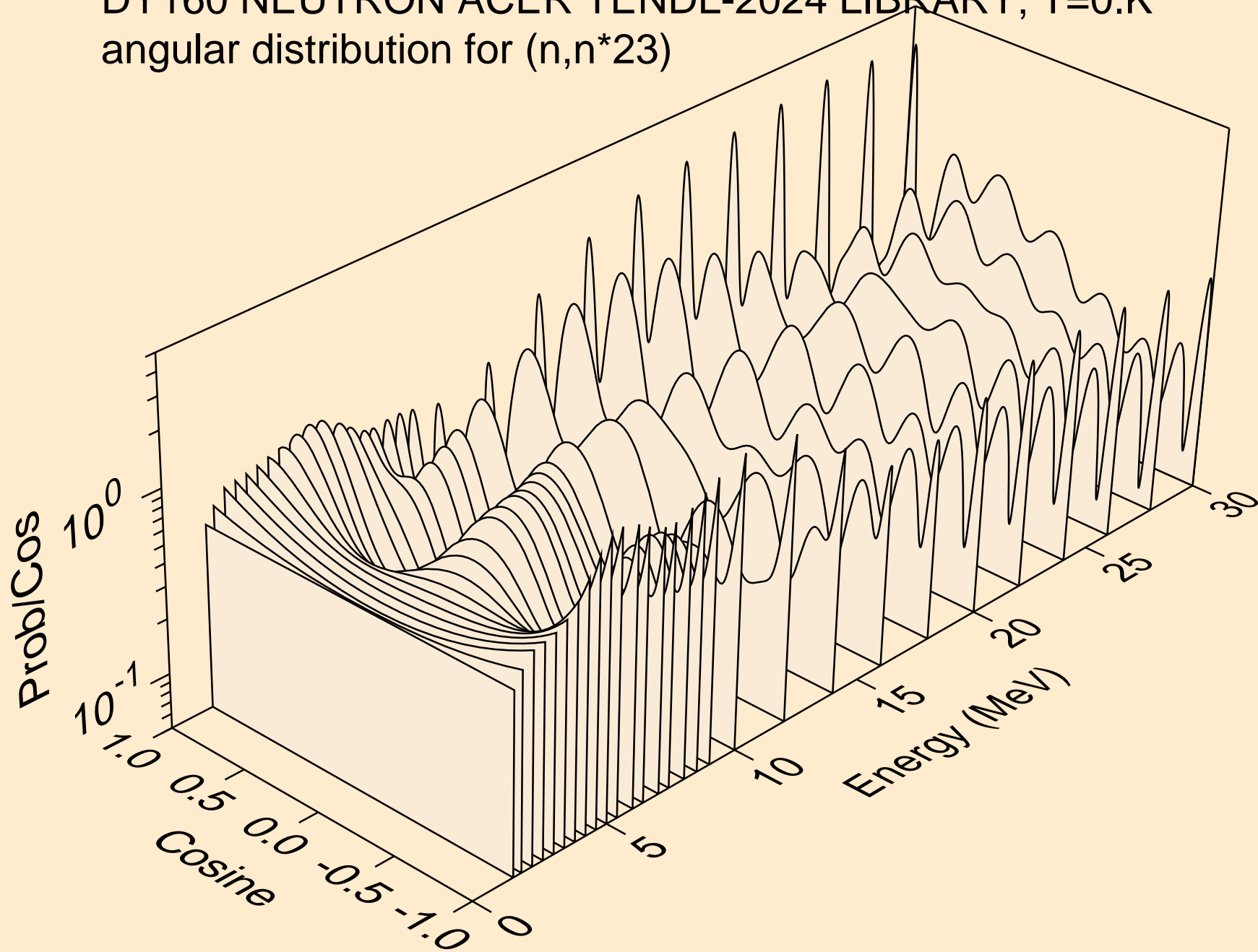


DY160 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*22)

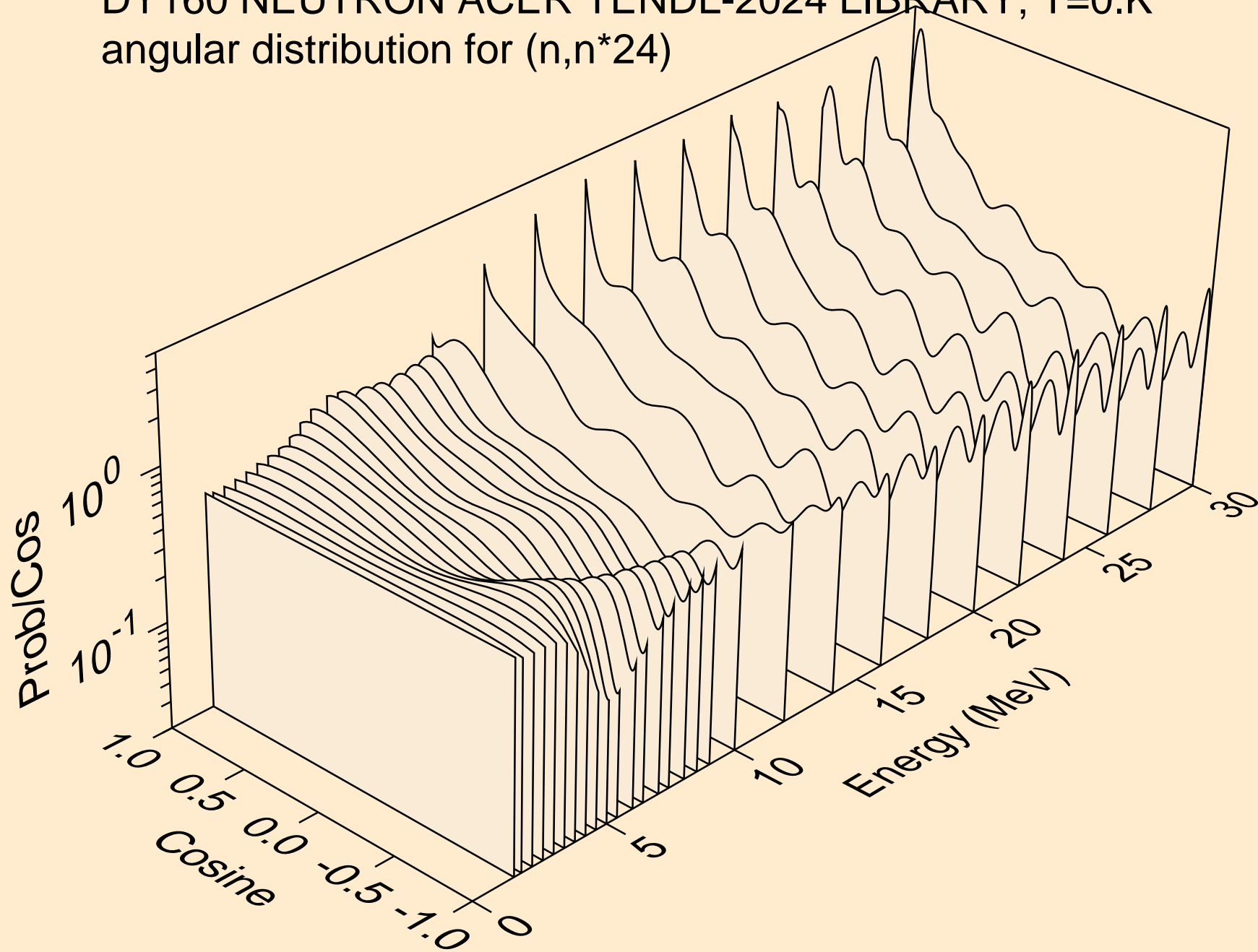




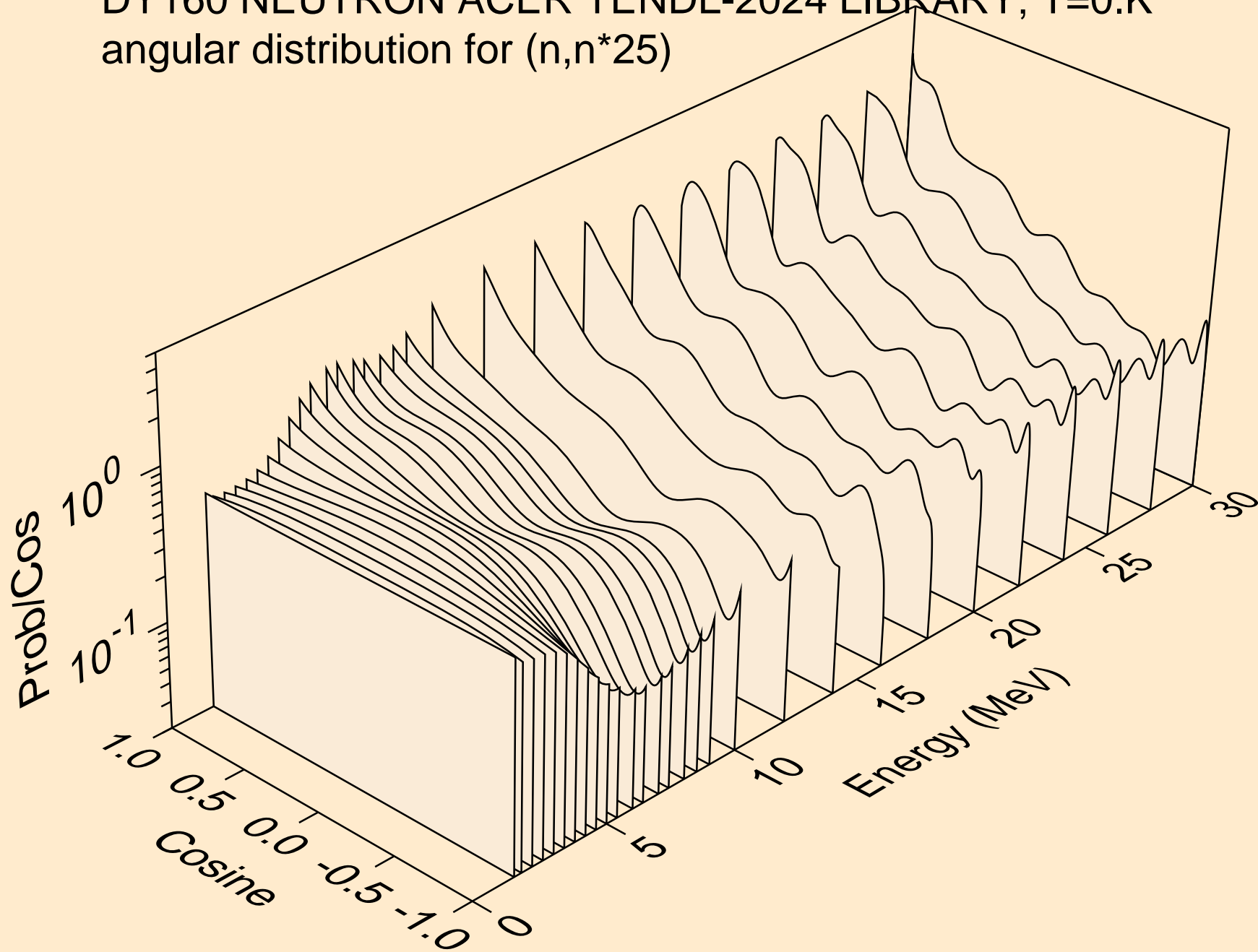
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angular distribution for (n,n\*23)



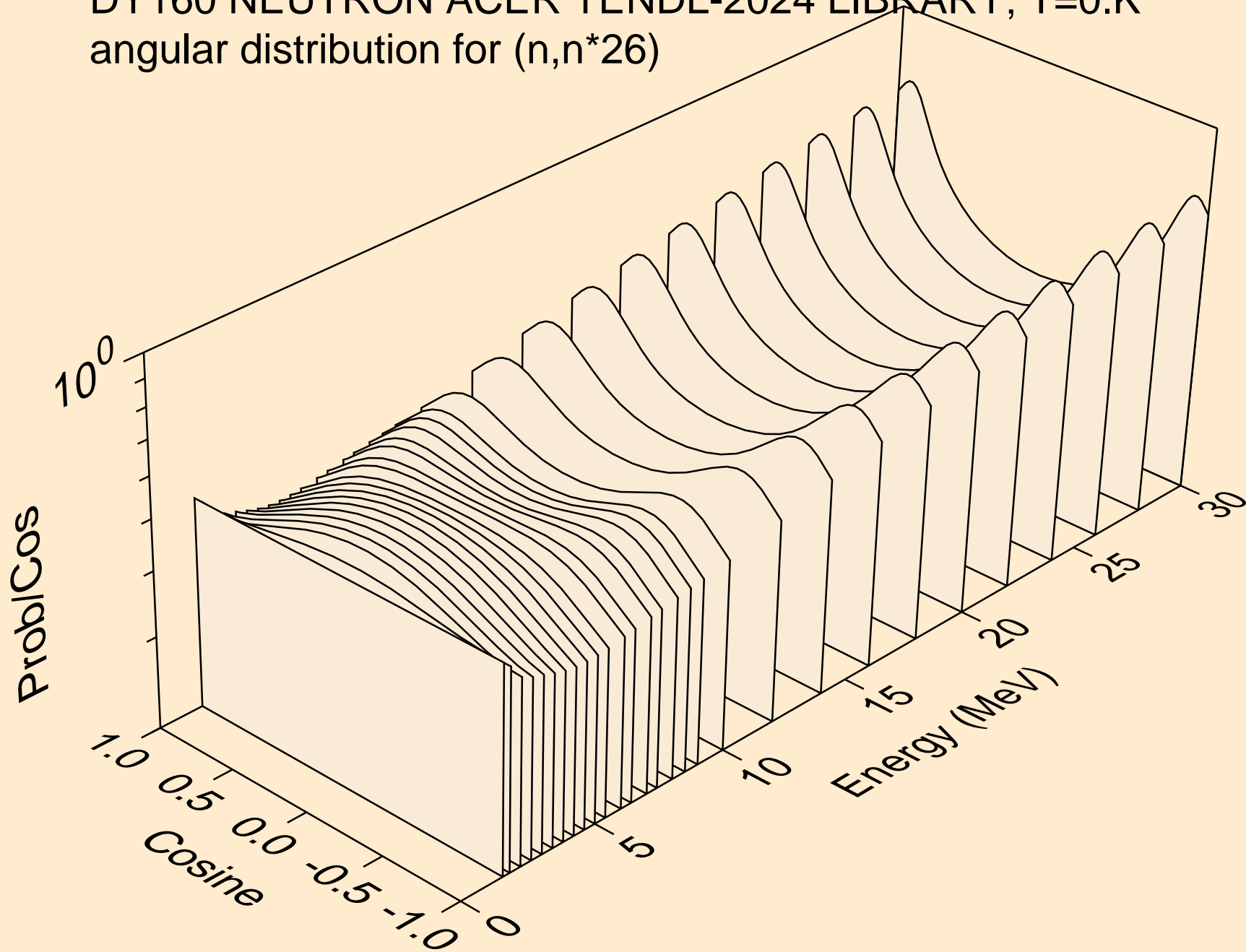
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angular distribution for (n,n\*24)



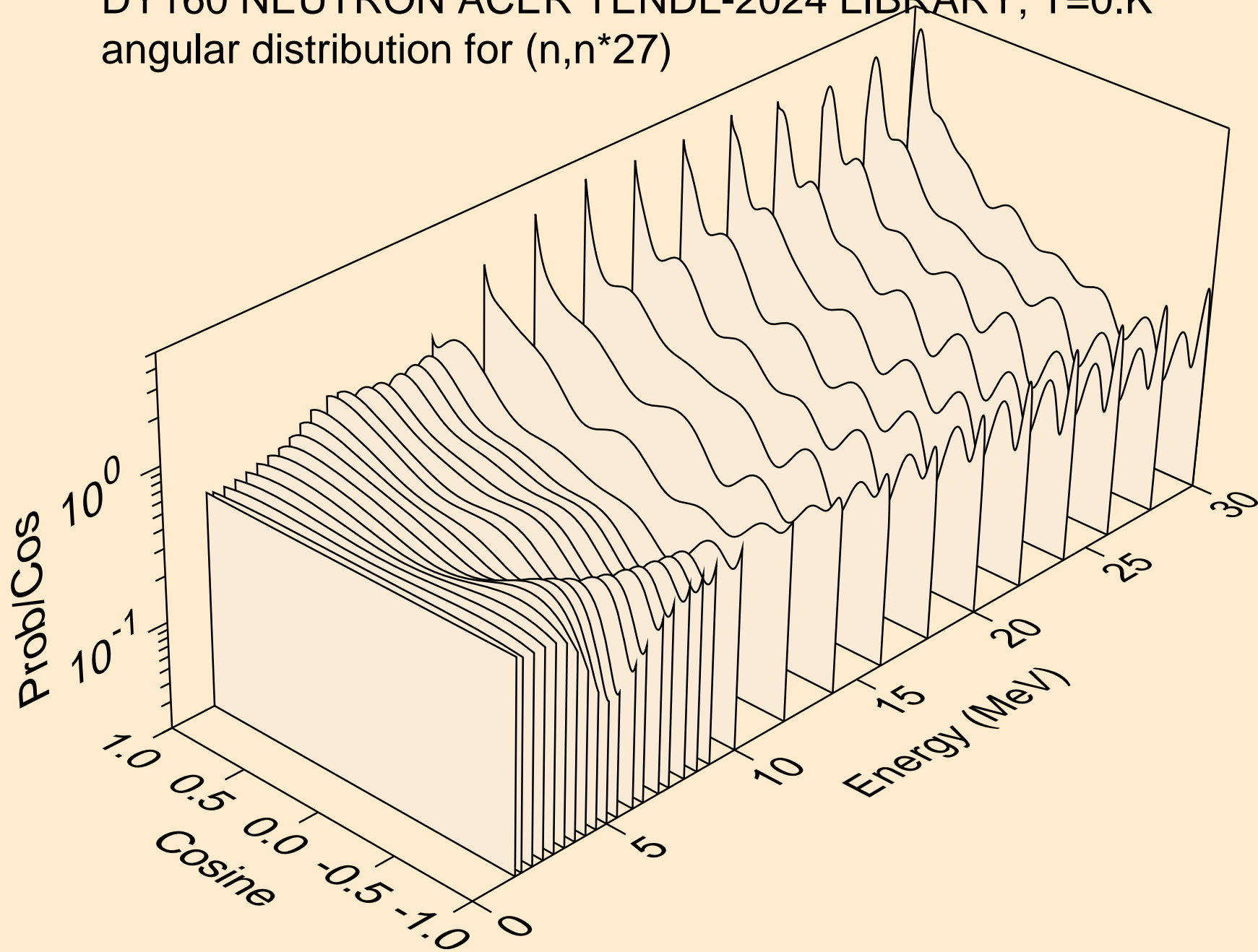
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angular distribution for (n,n\*25)



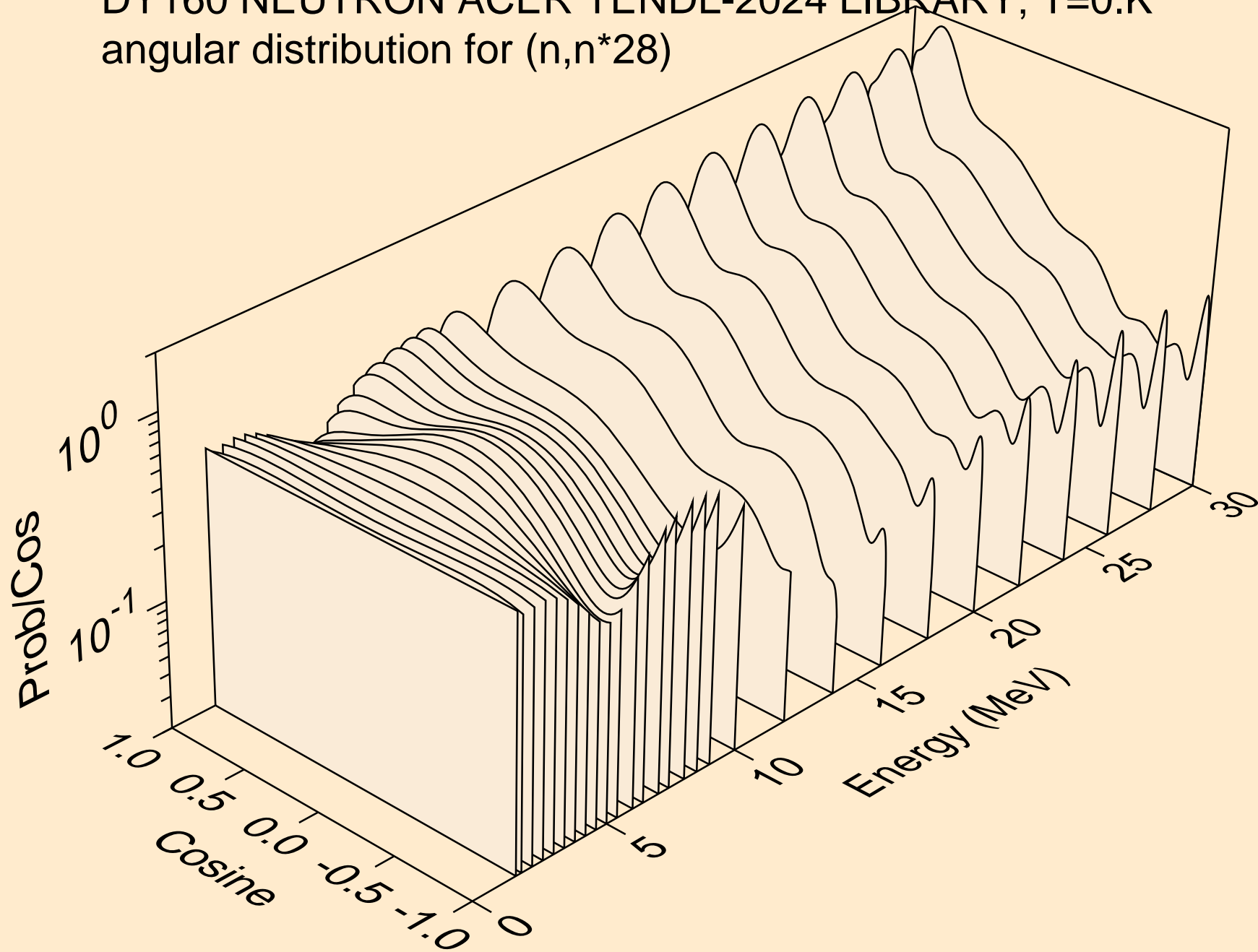
DY160 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*26)



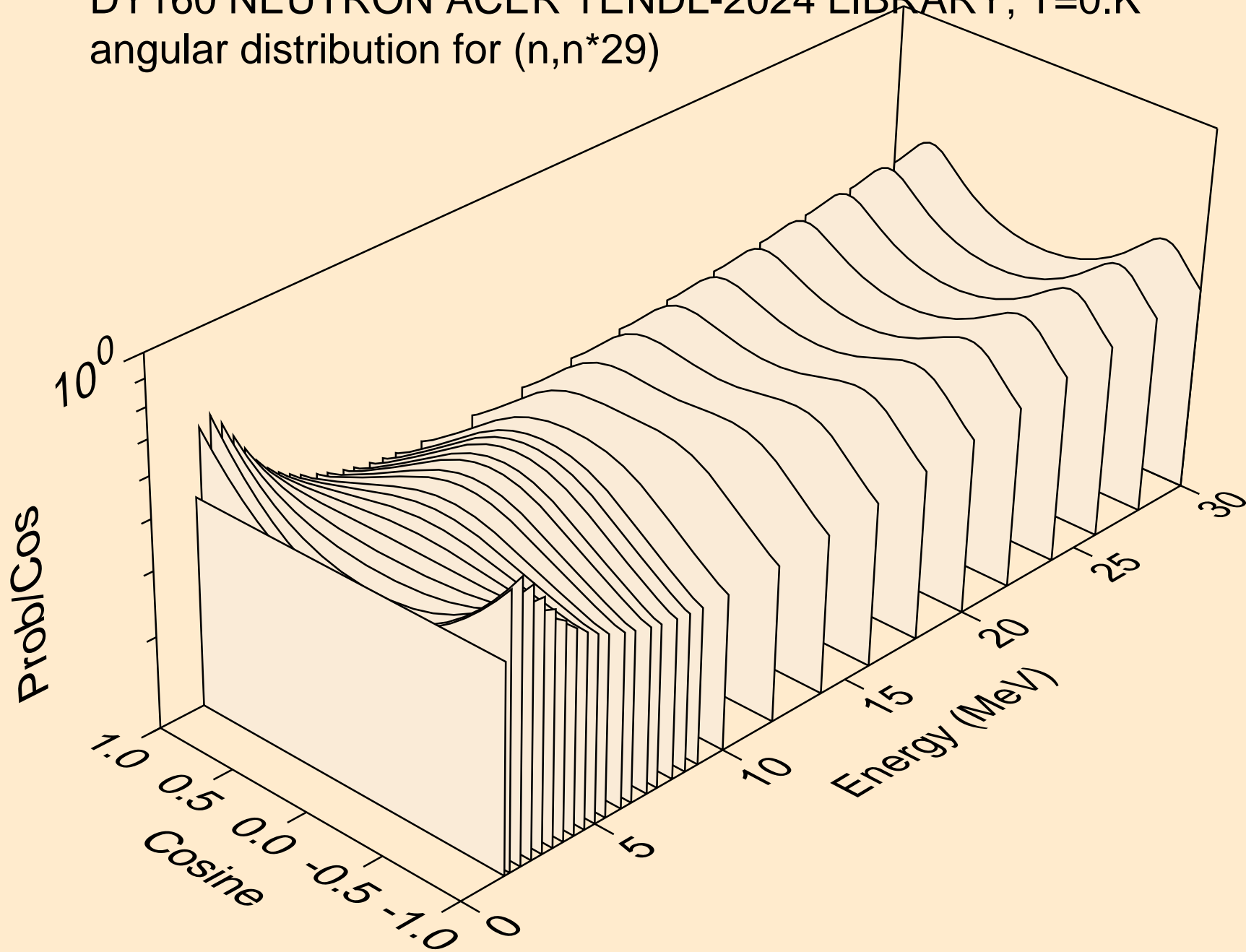
DY160 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*27)



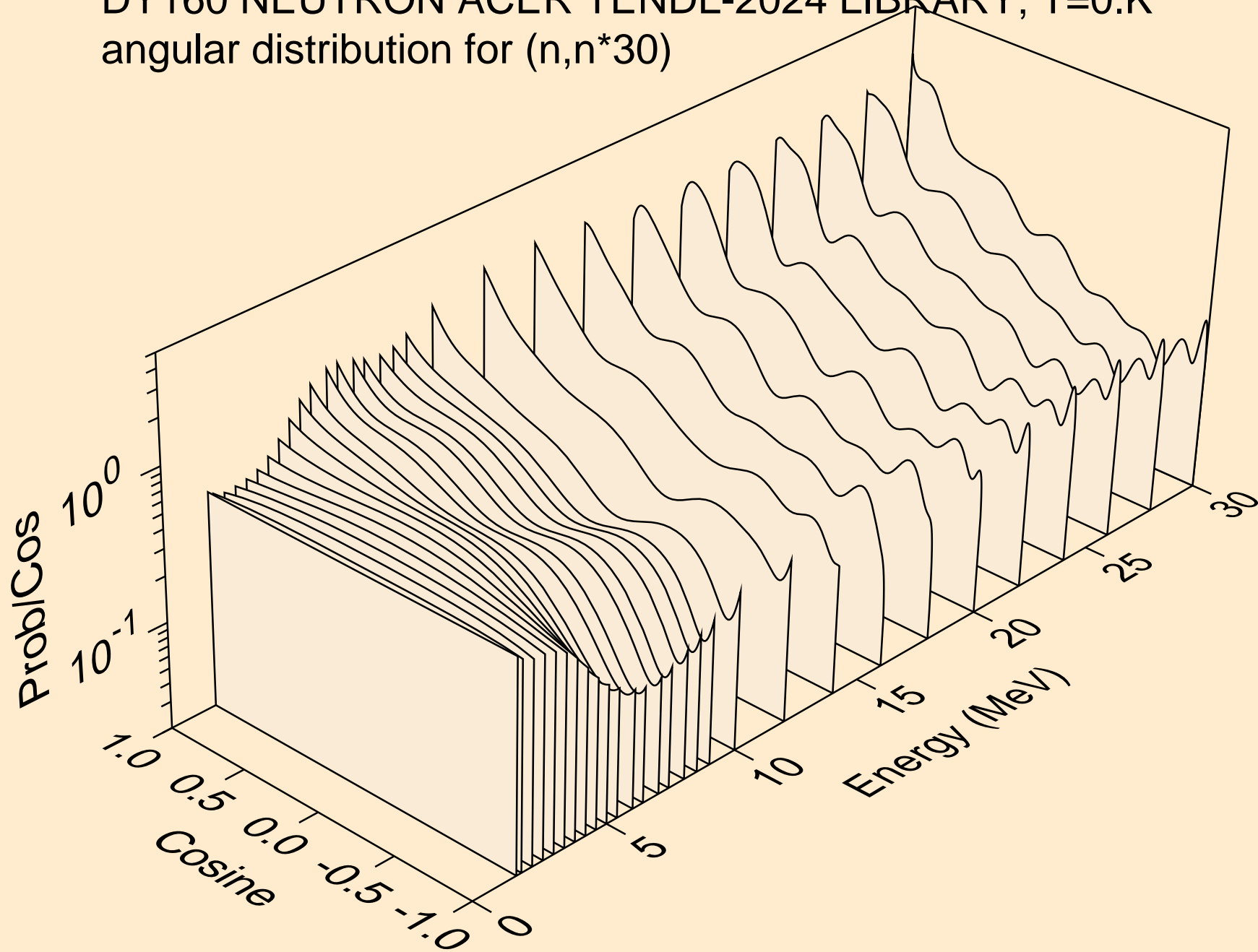
DY160 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*28)



DY160 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*29)

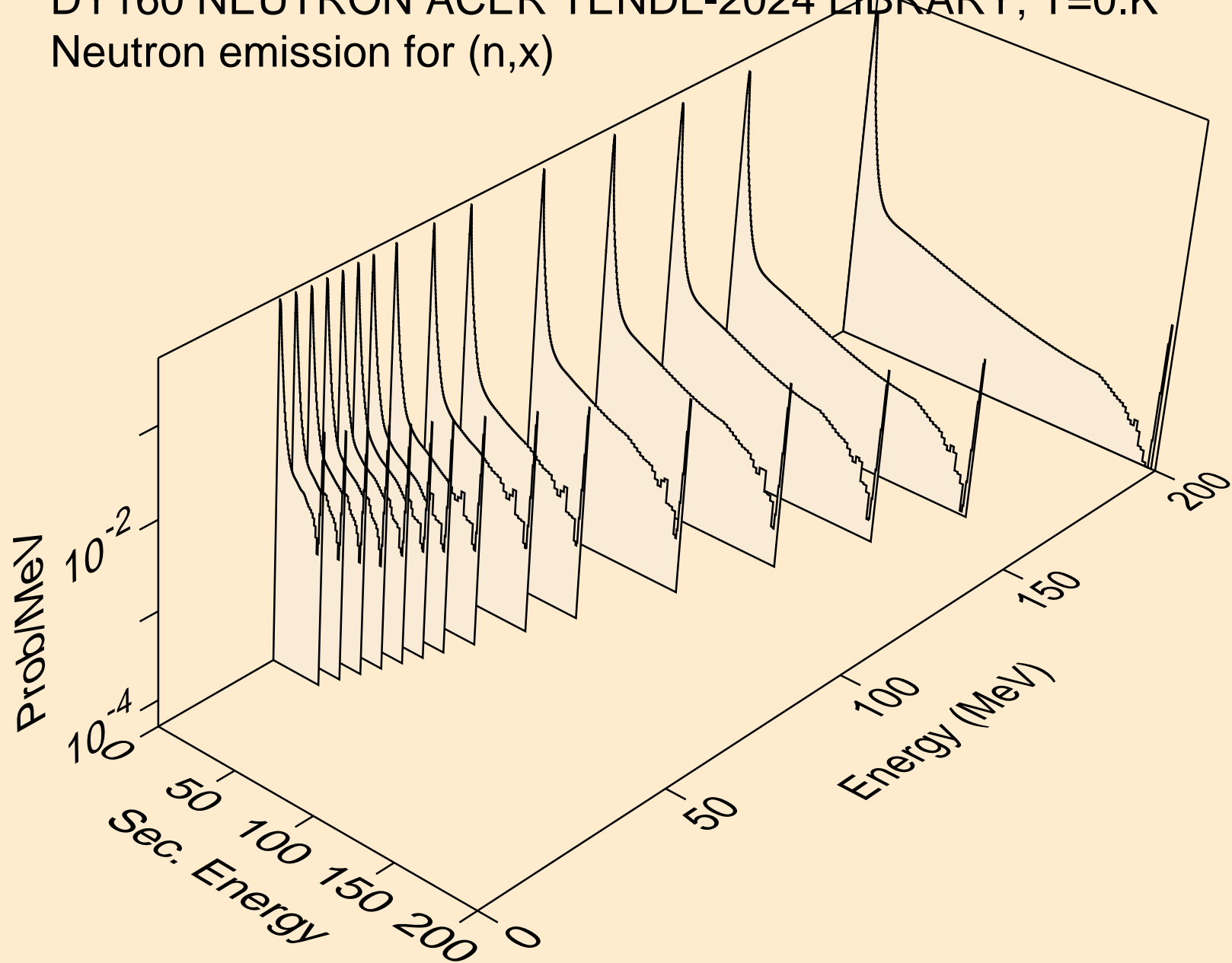


DY160 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*30)

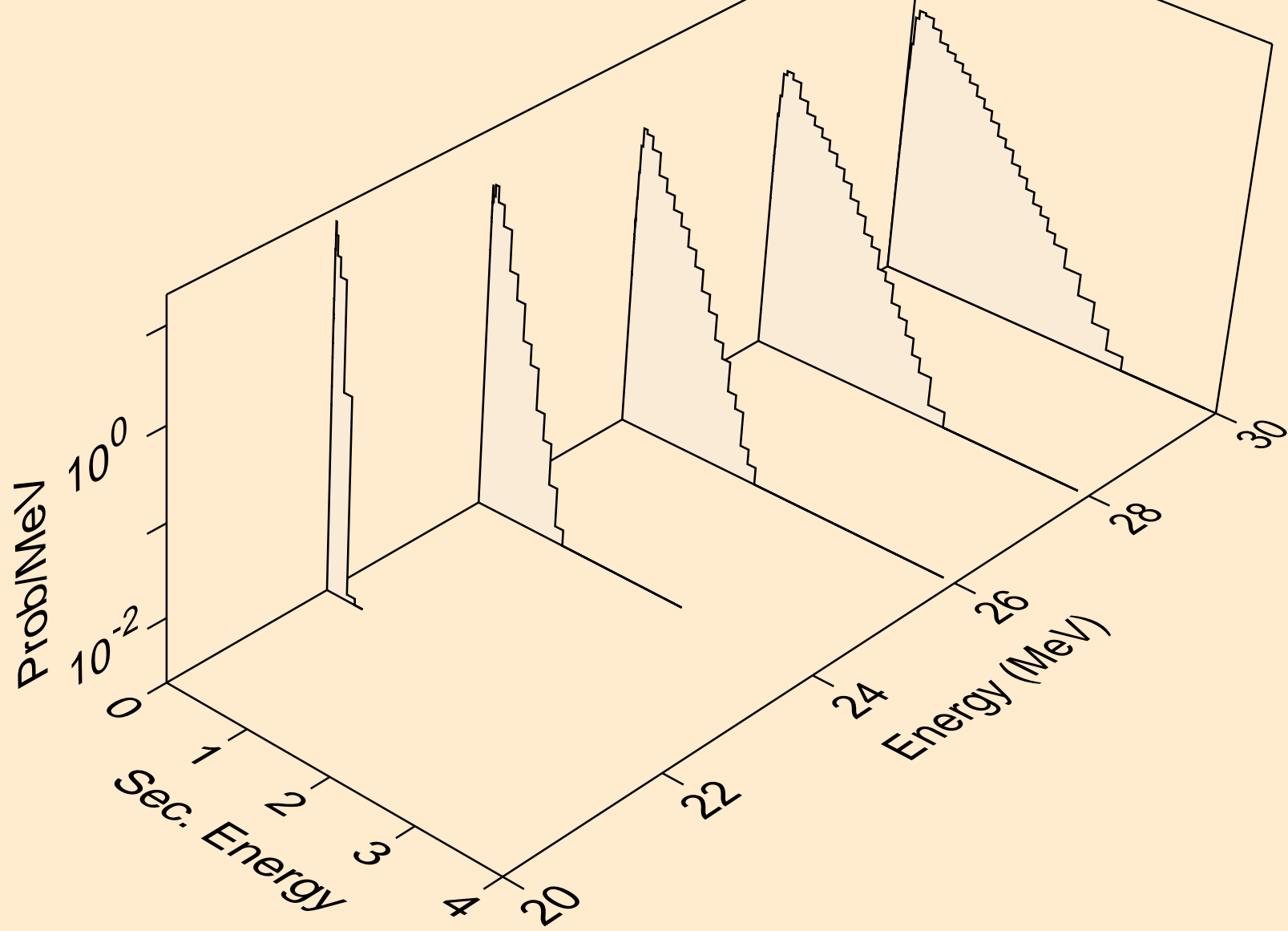




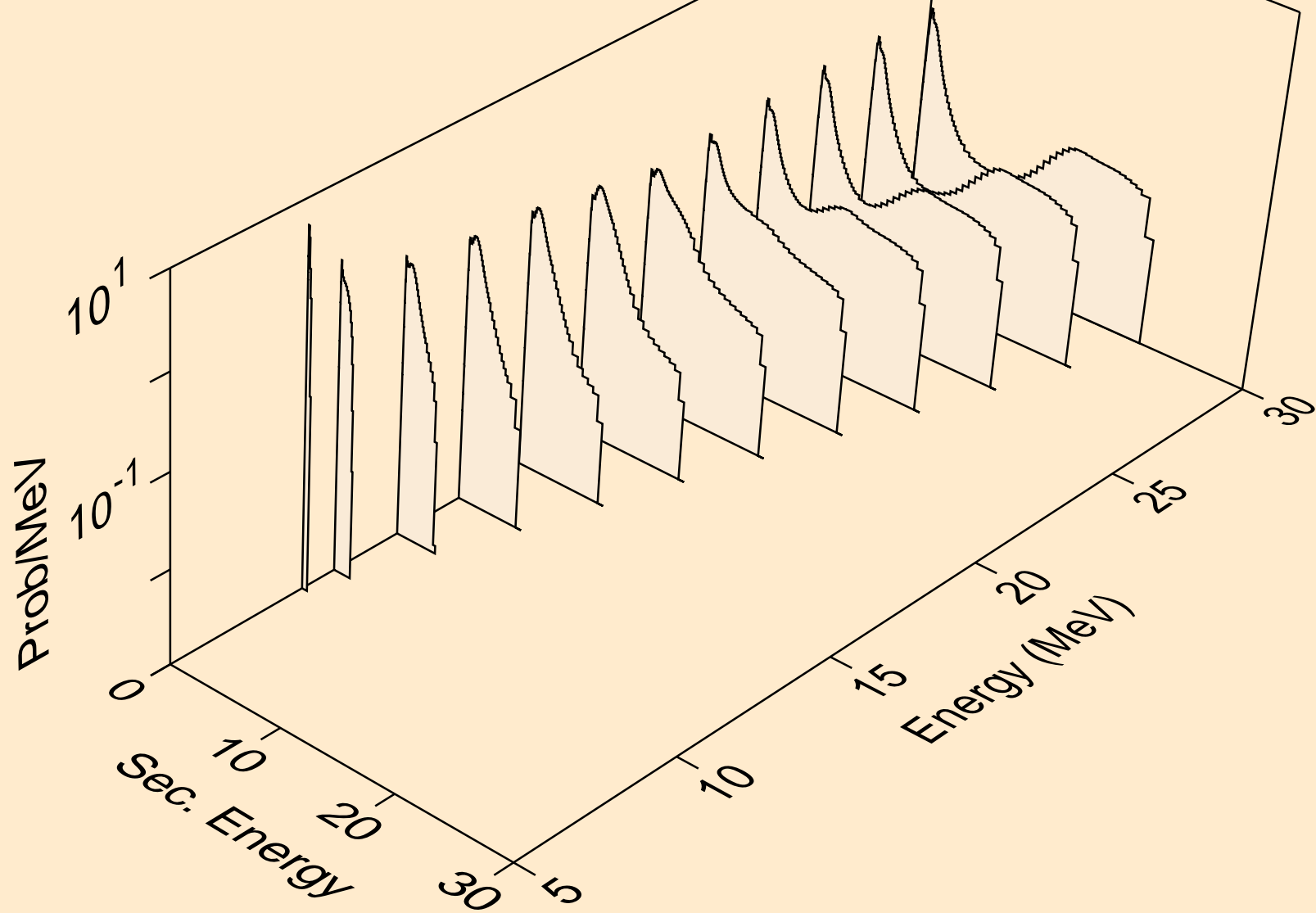
DY160 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,x)



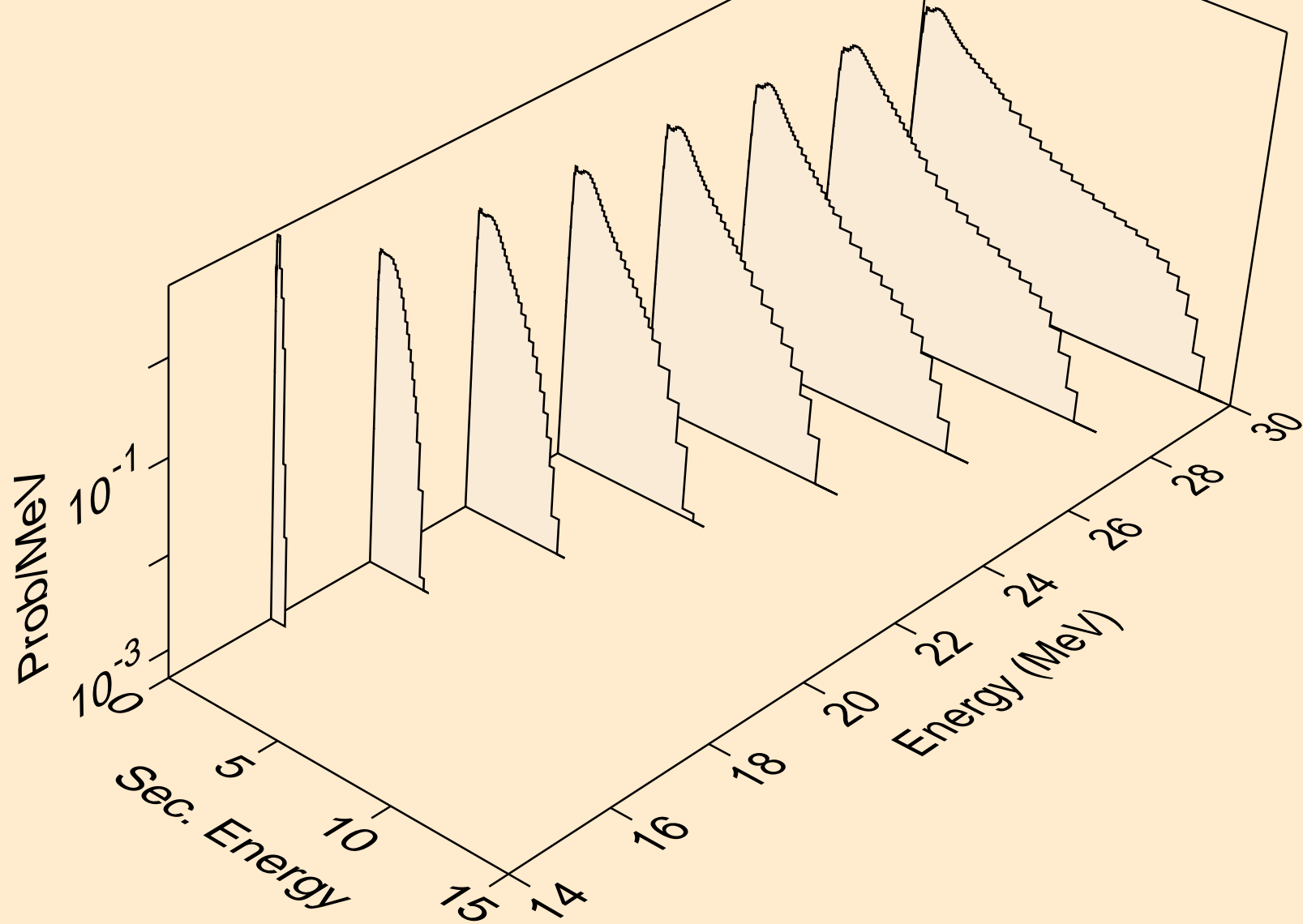
DY160 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



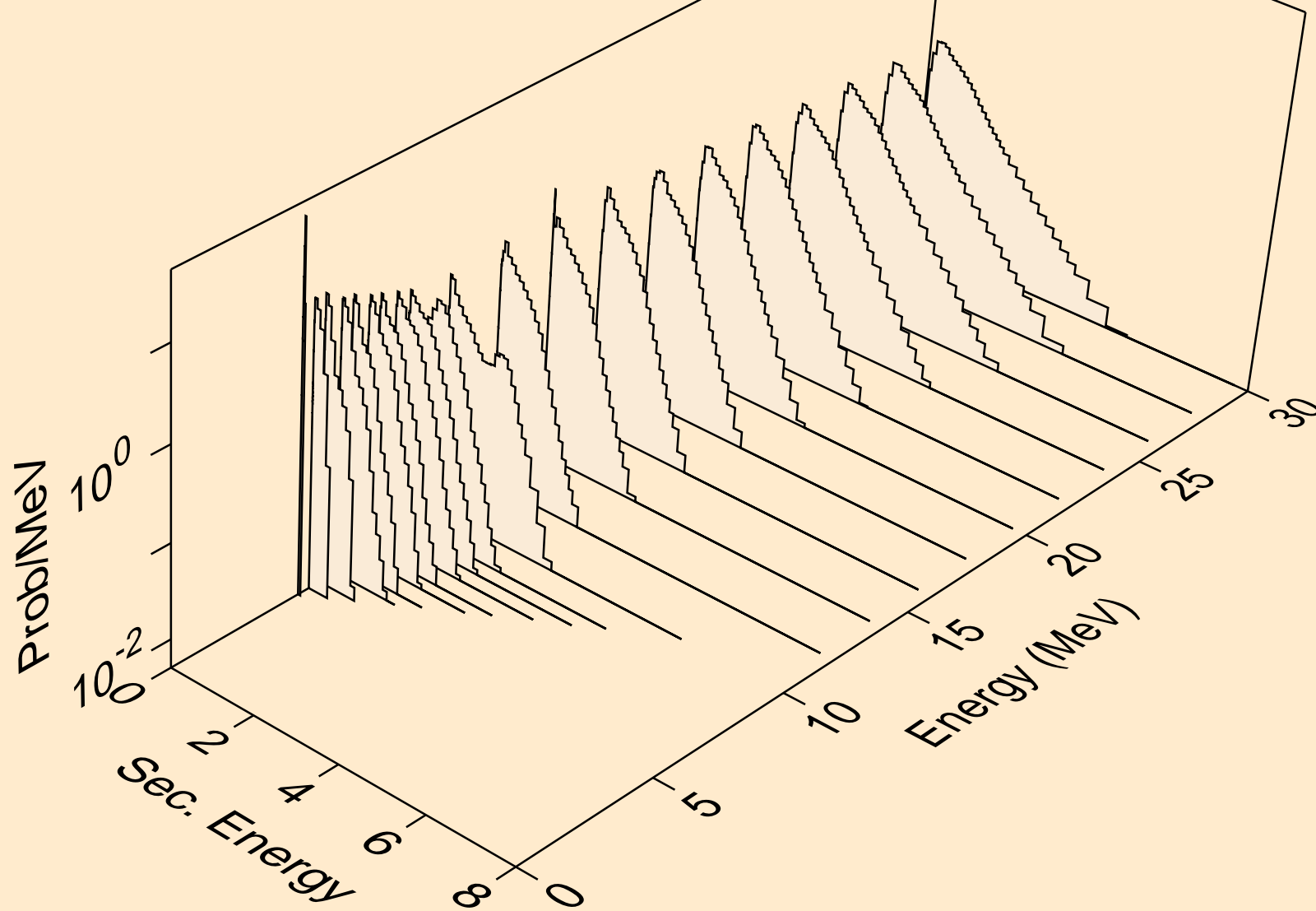
DY160 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)



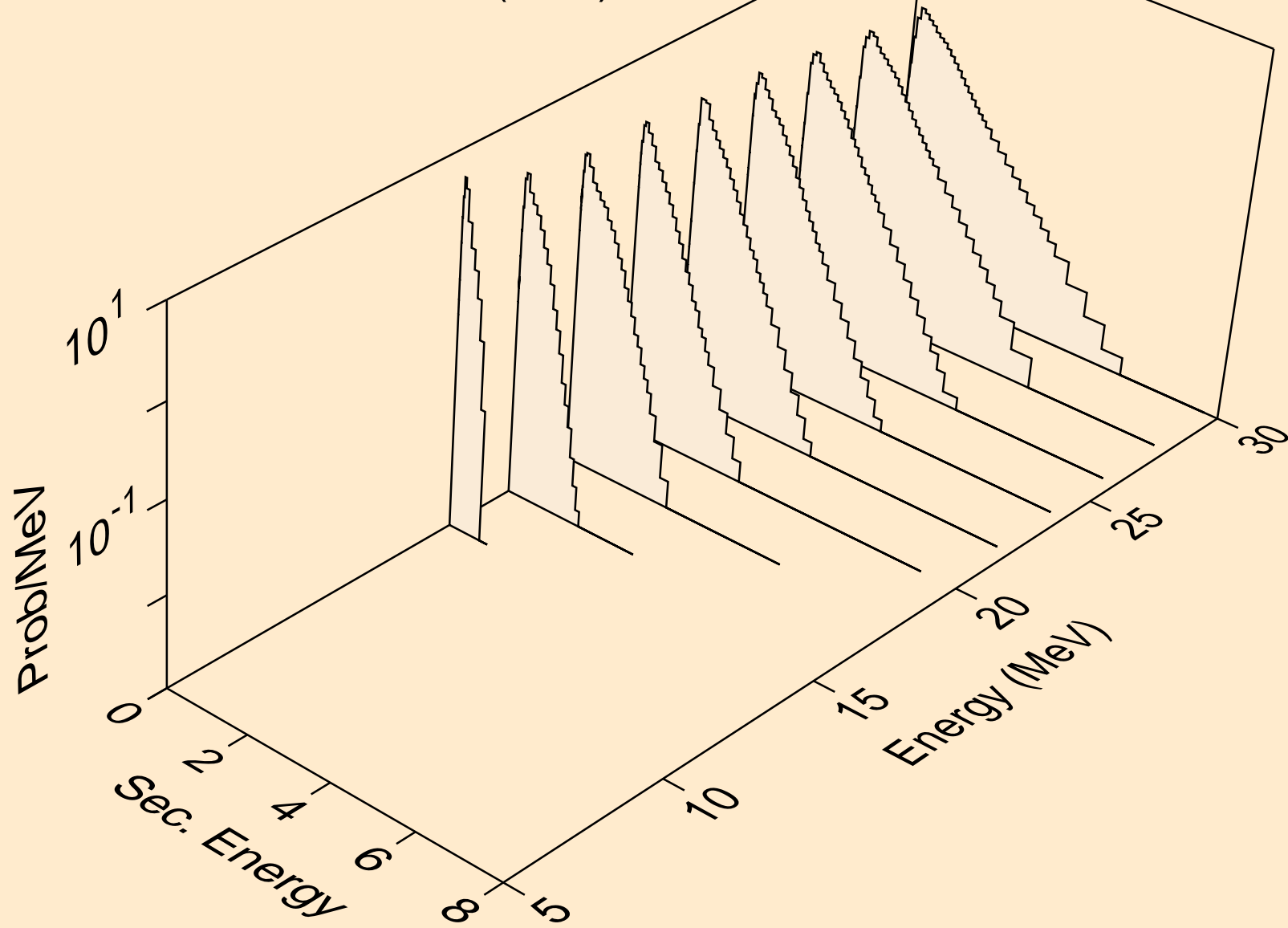
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Neutron emission for (n,3n)



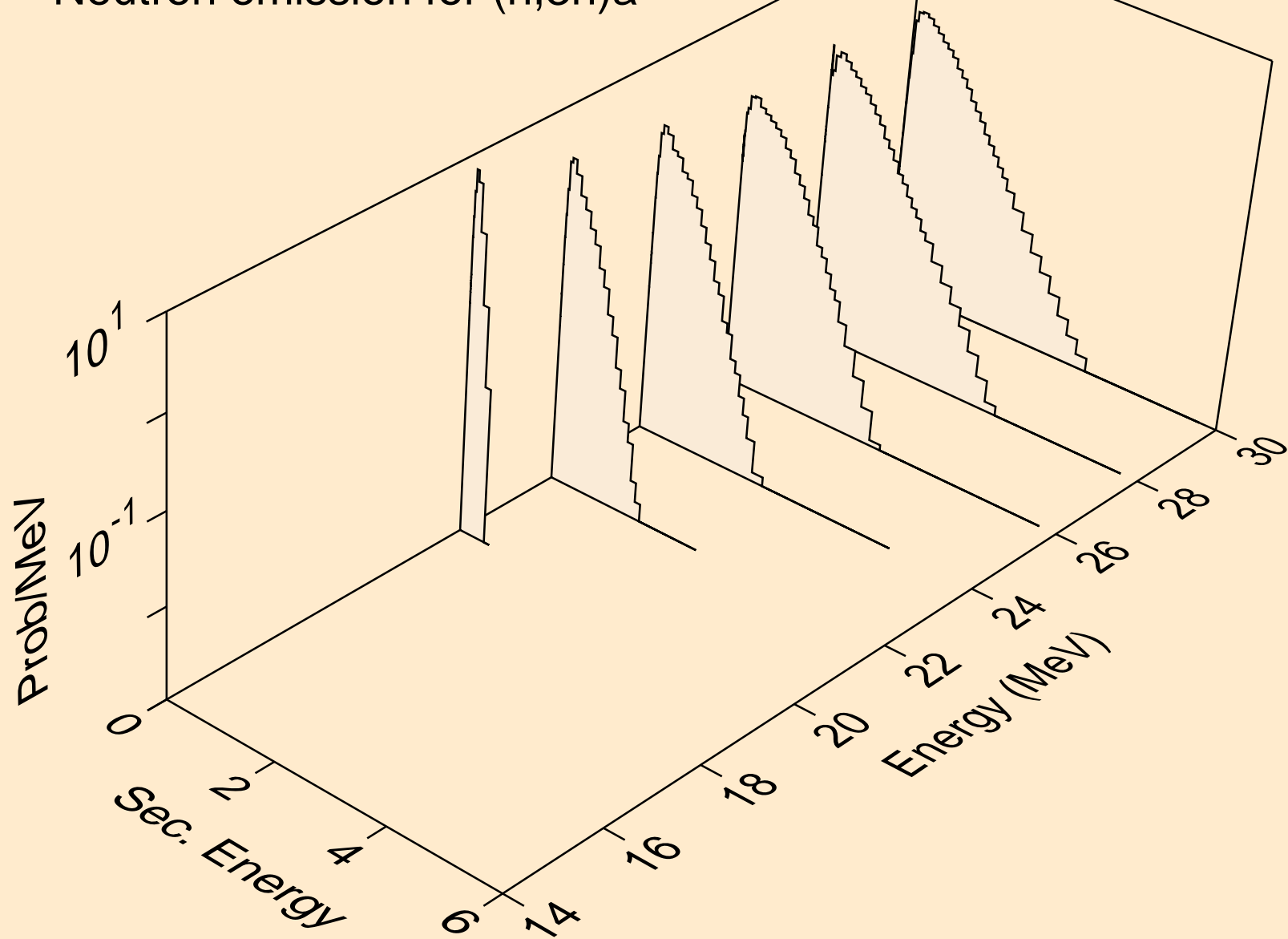
DY160 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



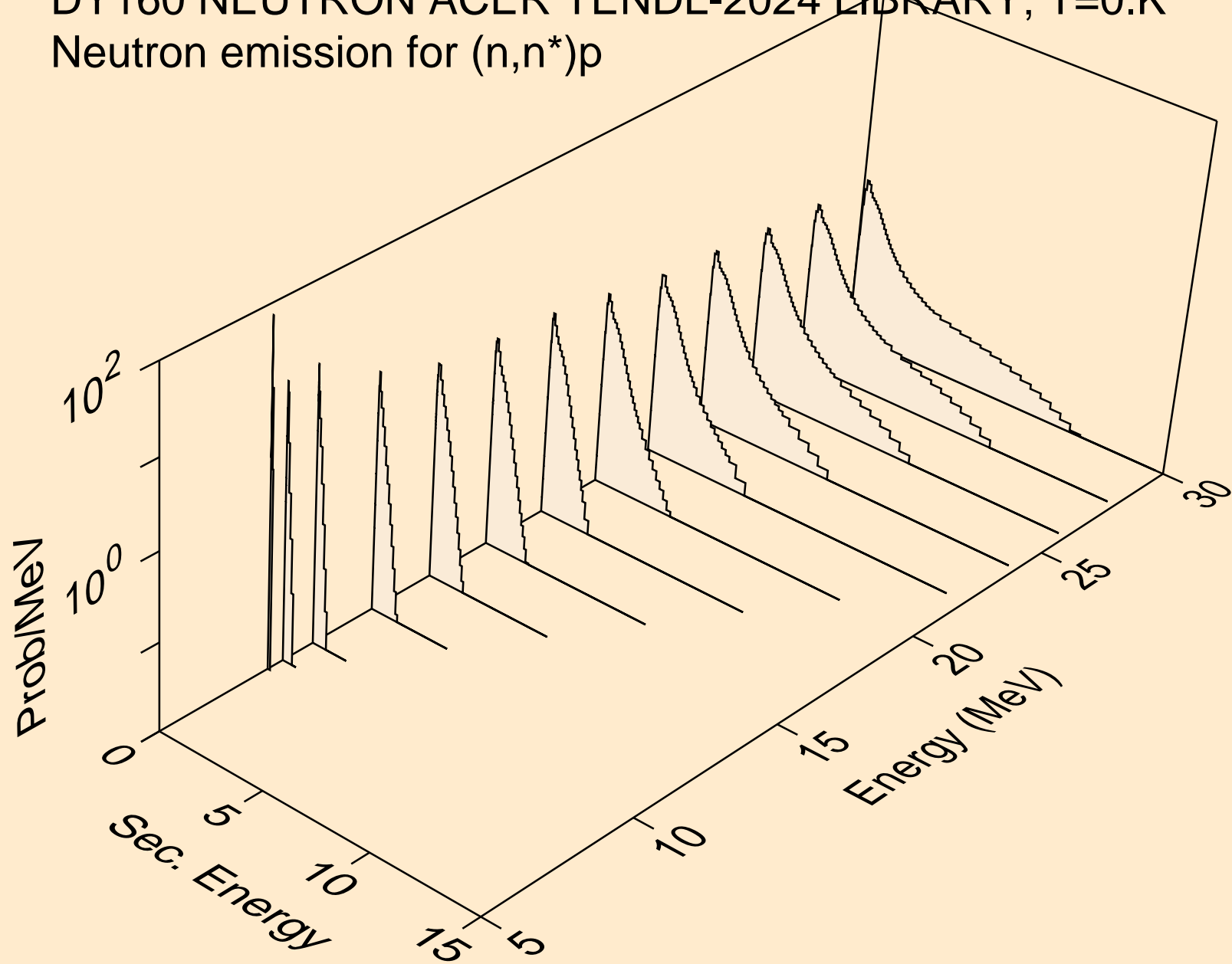
DY160 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)a



DY160 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)a

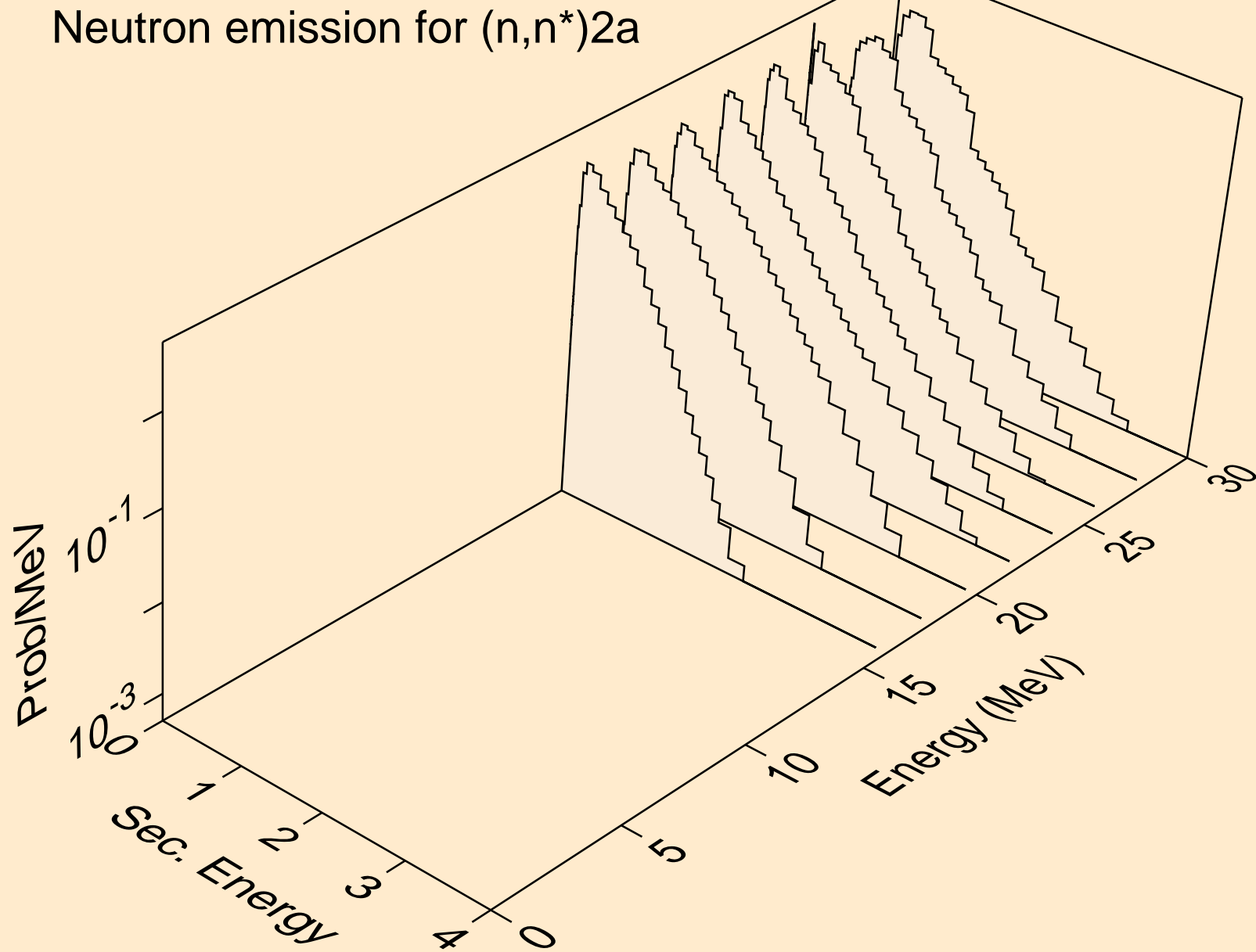


DY160 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p

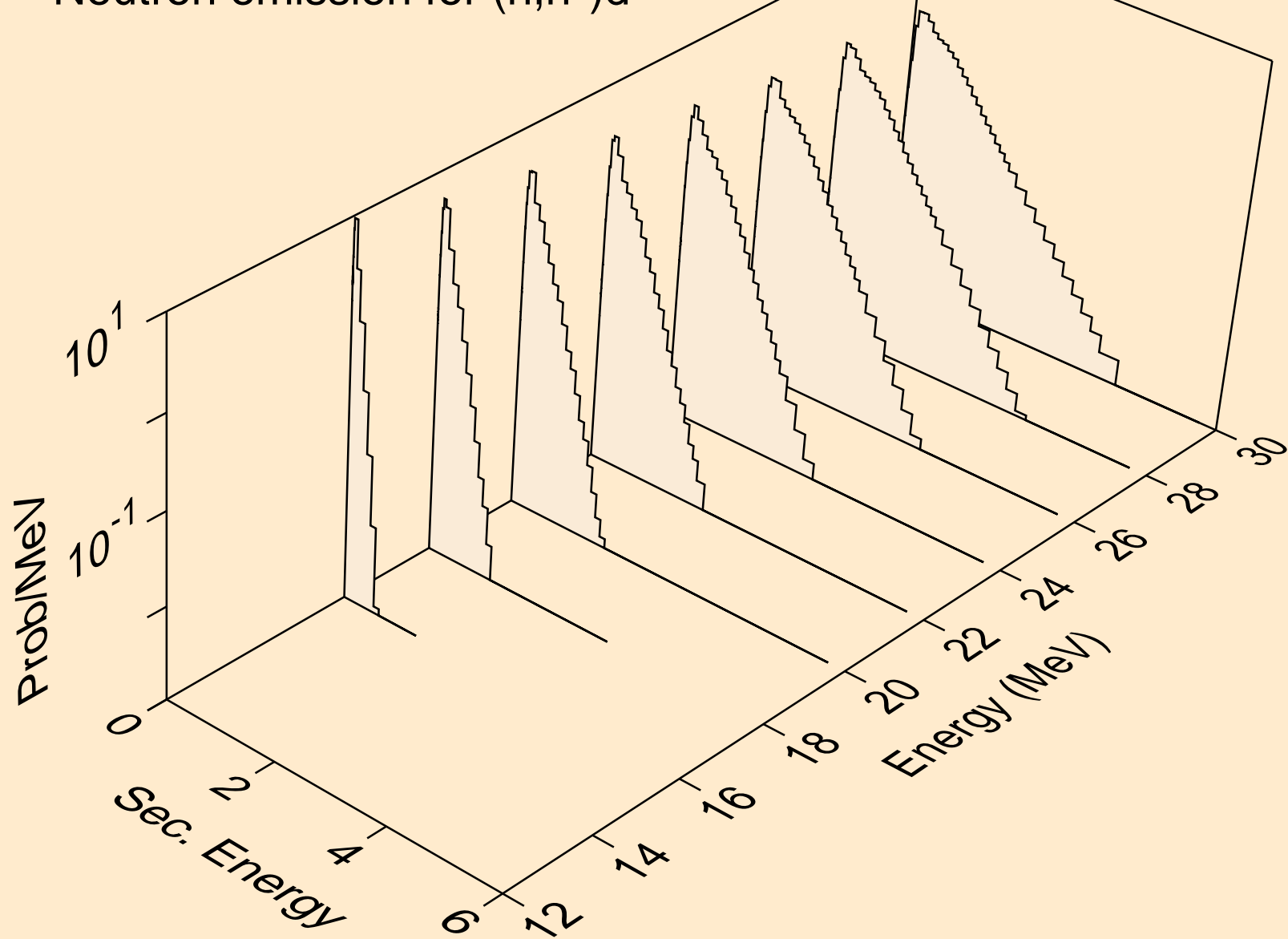




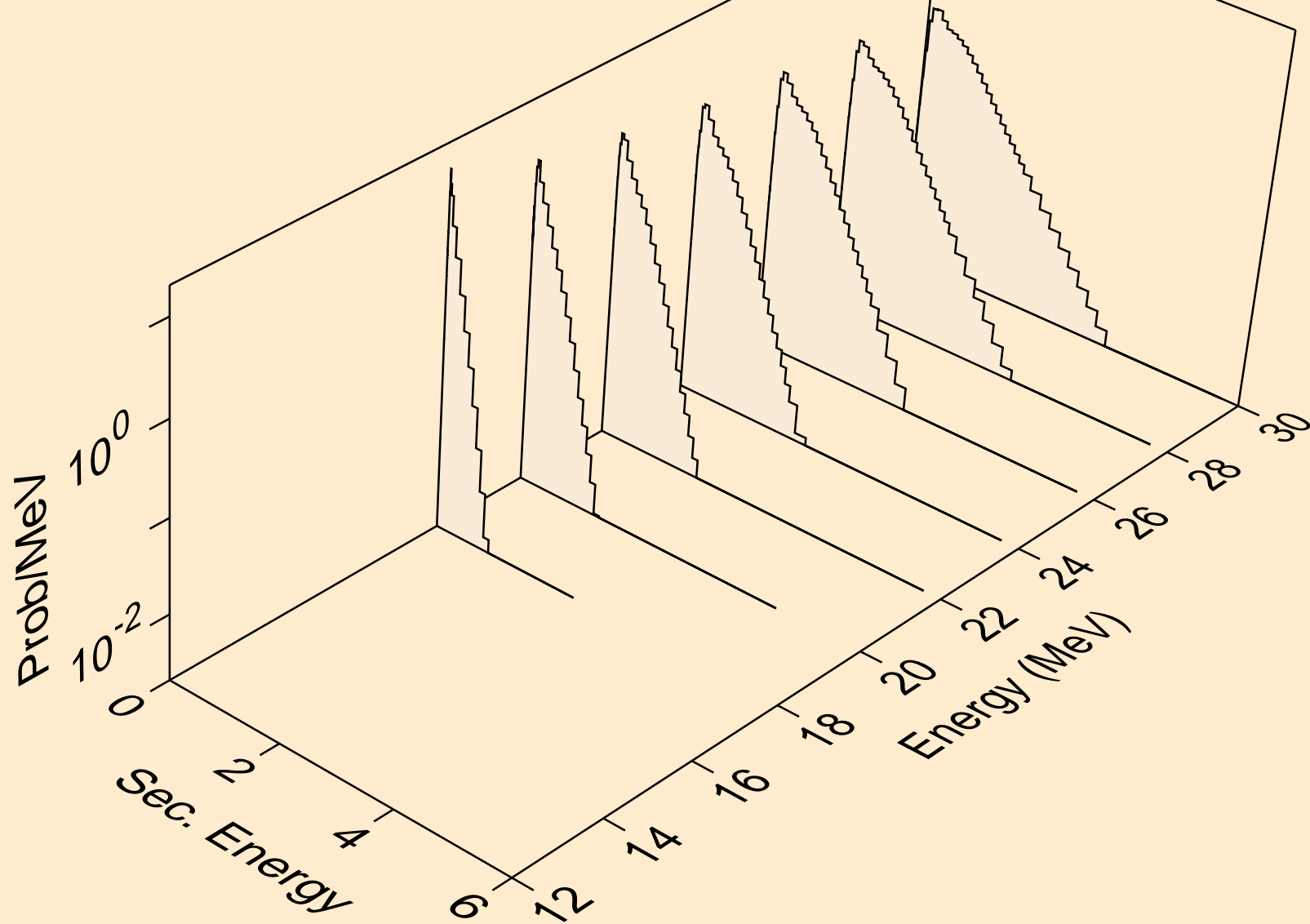
DY160 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)2a



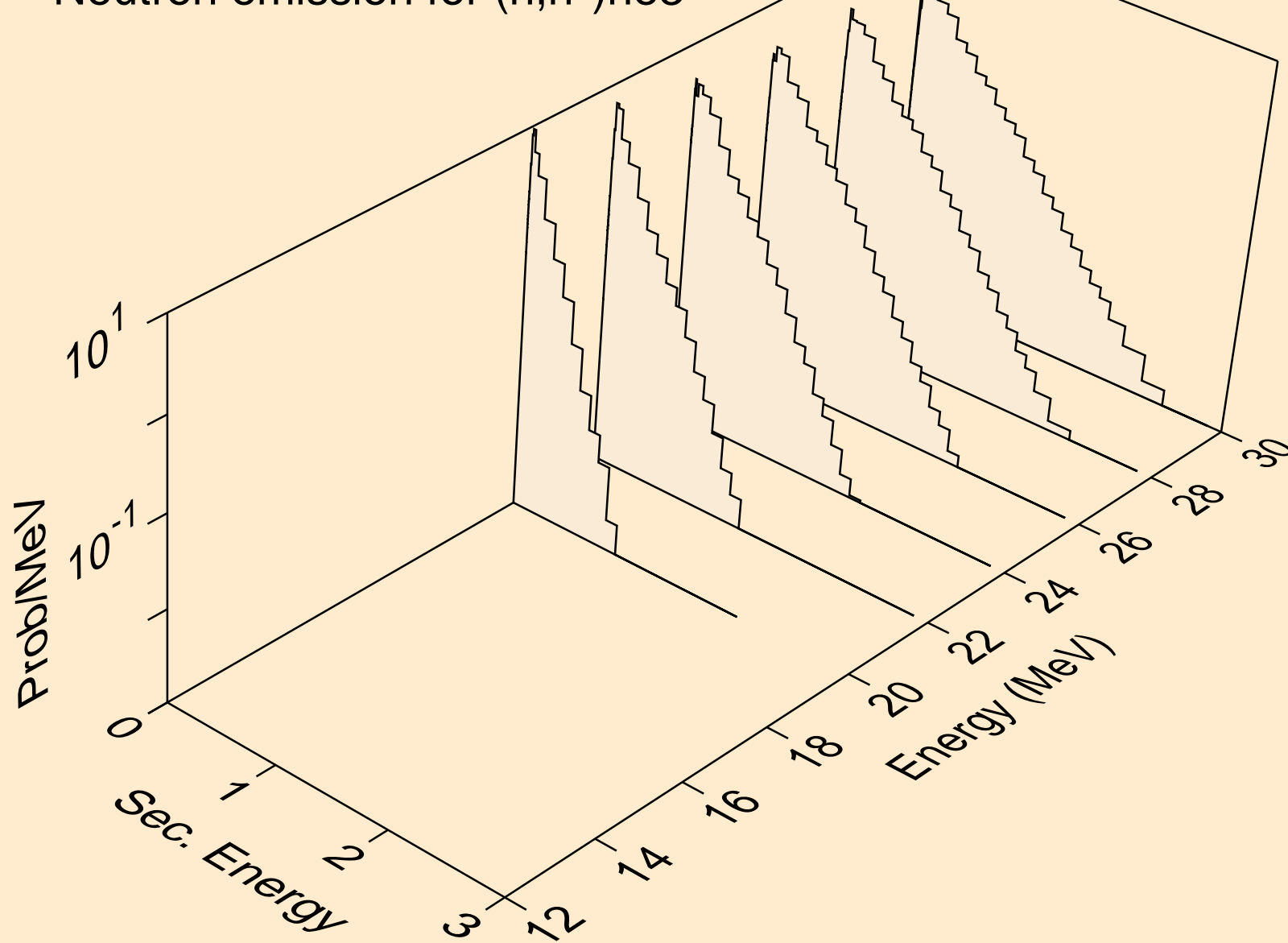
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Neutron emission for (n,n\*)d



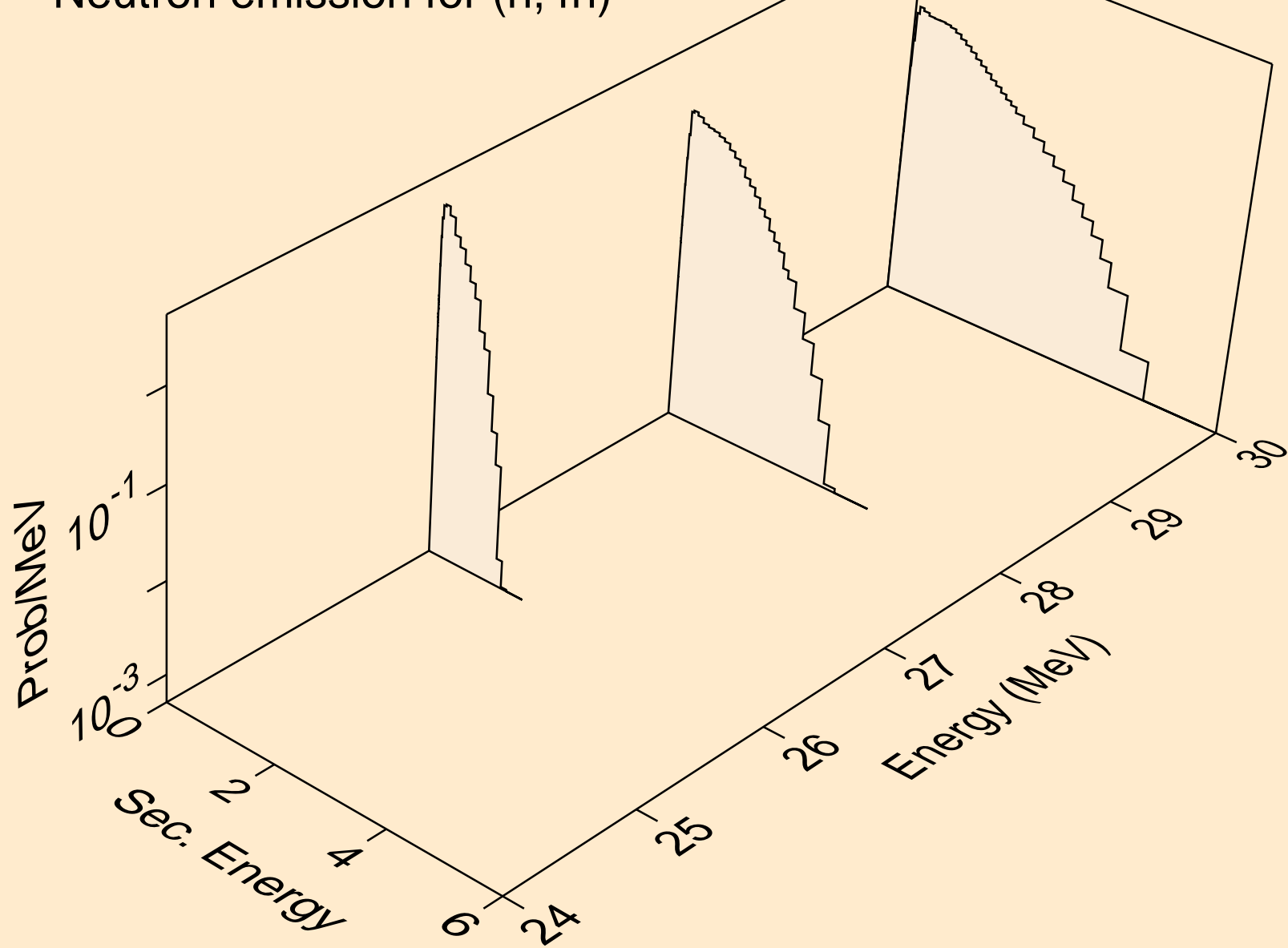
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Neutron emission for (n,n\*)t



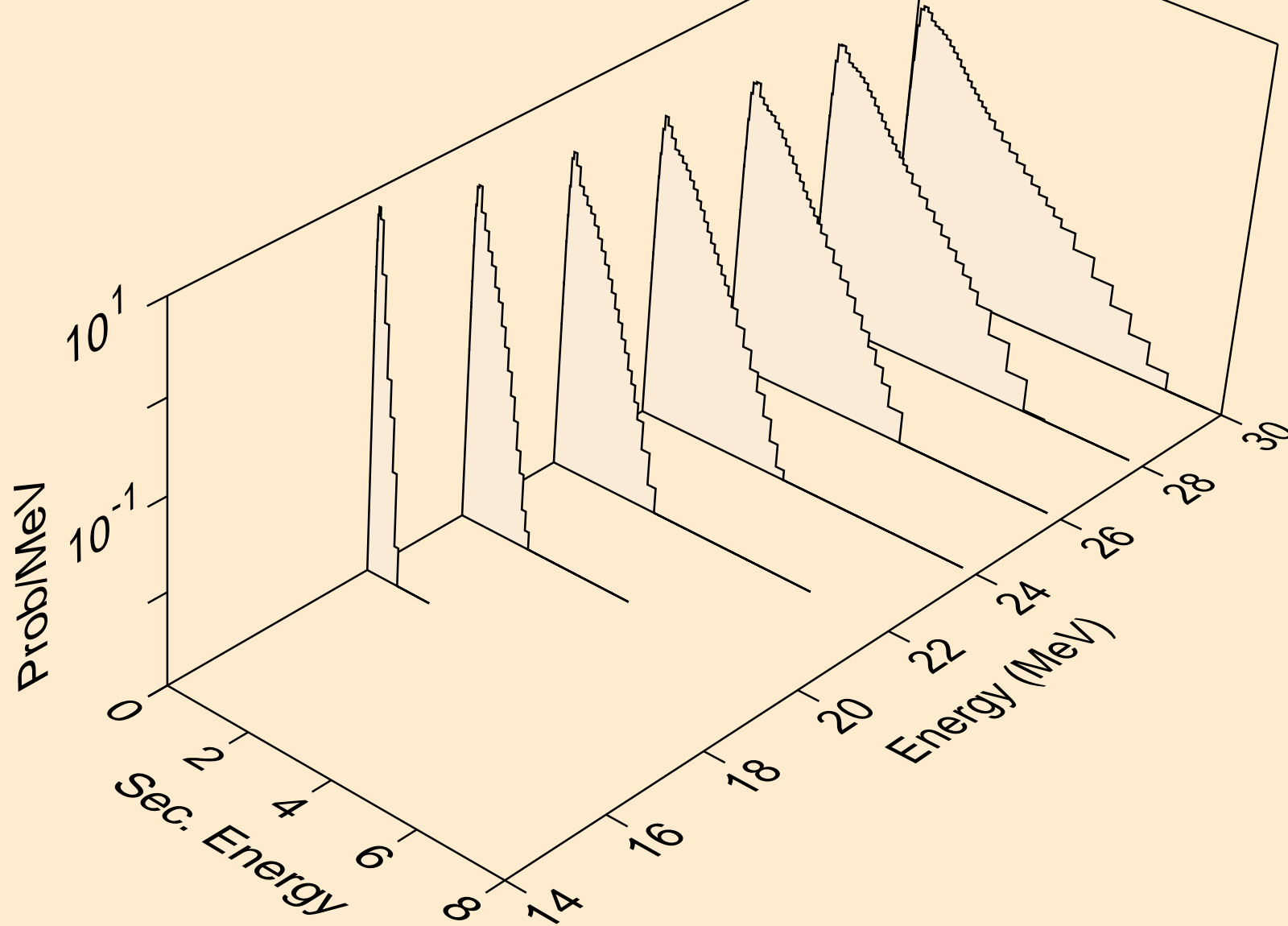
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Neutron emission for (n,n\*)he3



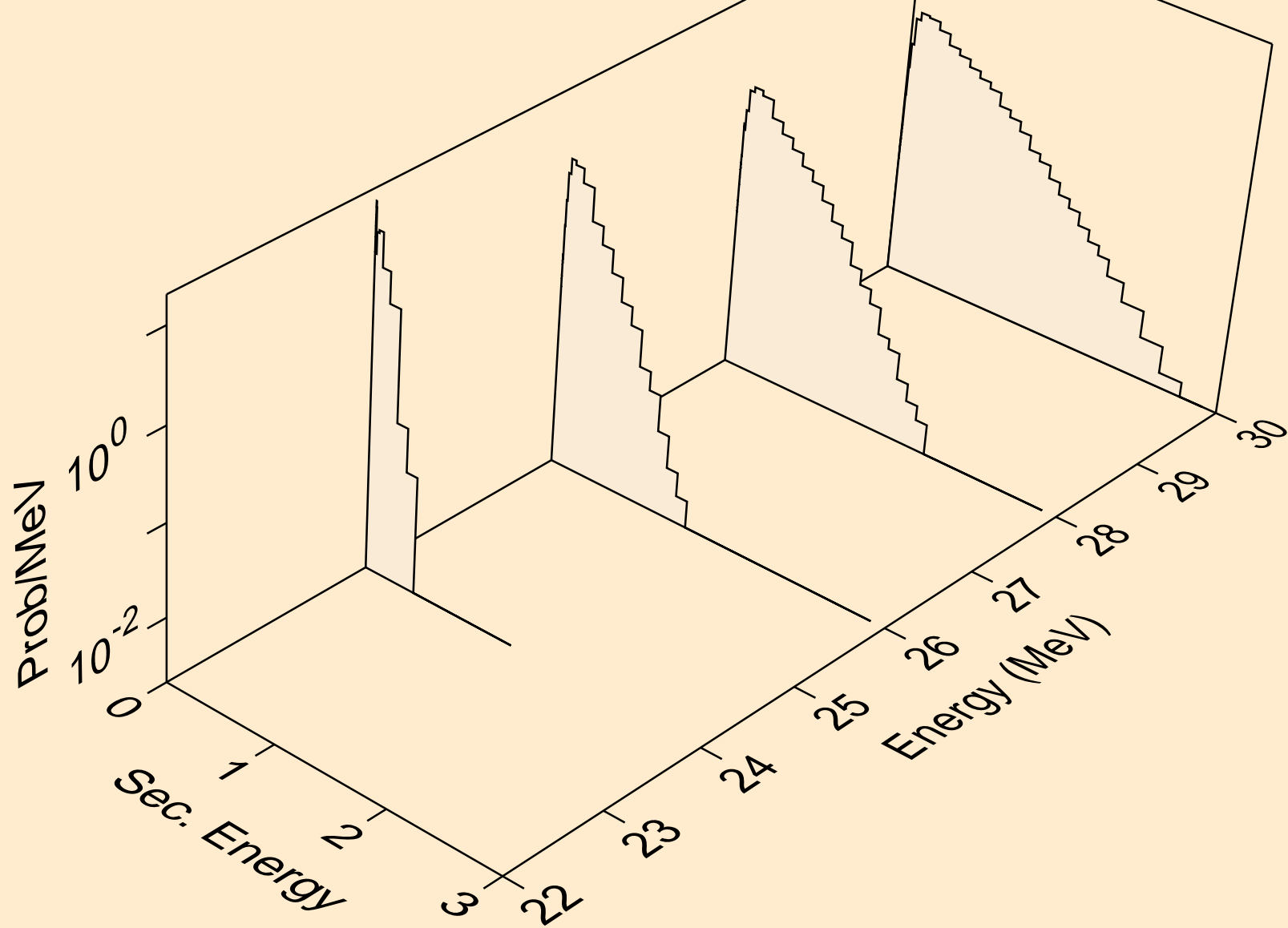
DY160 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,4n)



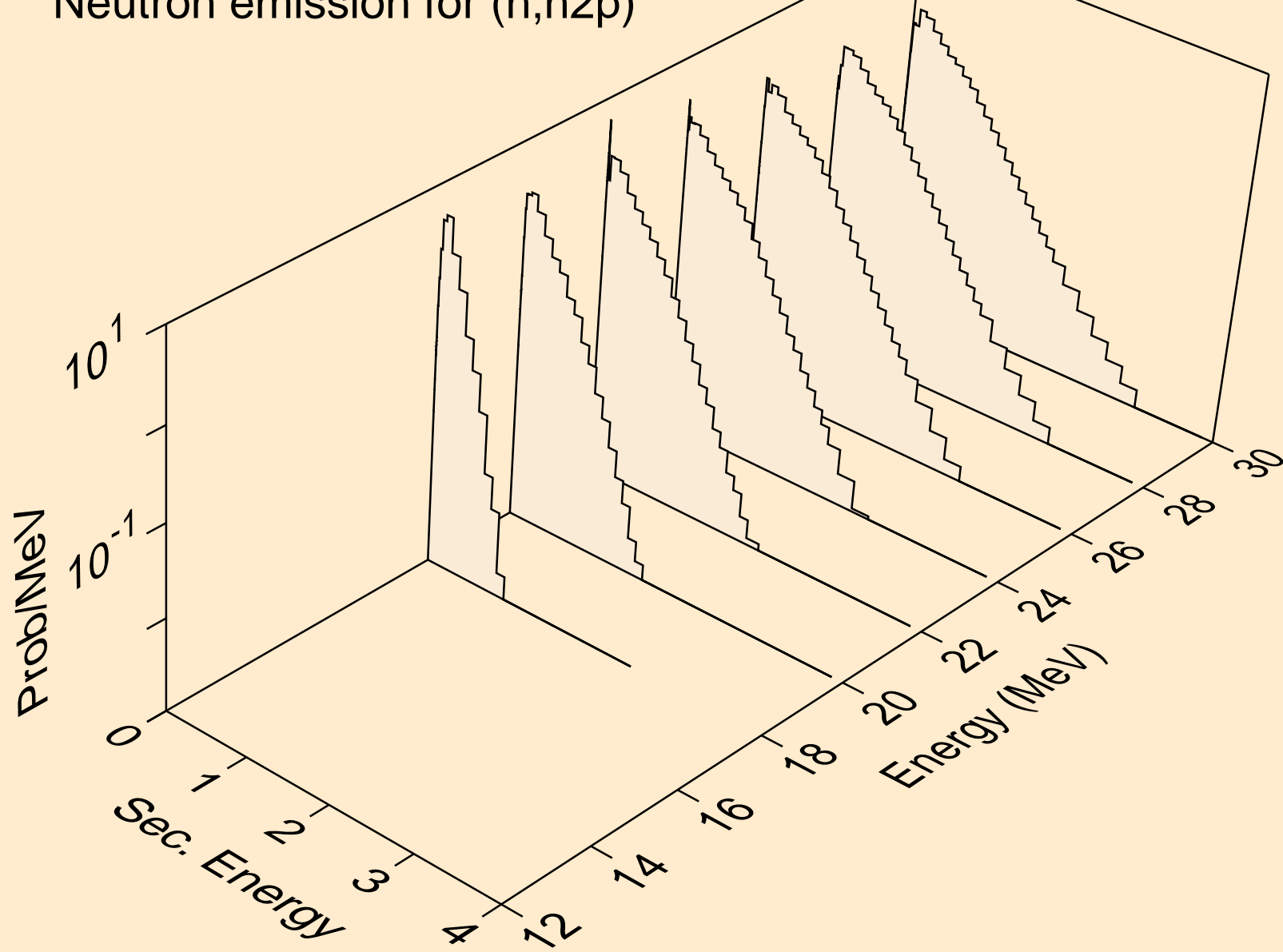
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Neutron emission for (n,2np)



DY160 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3np)

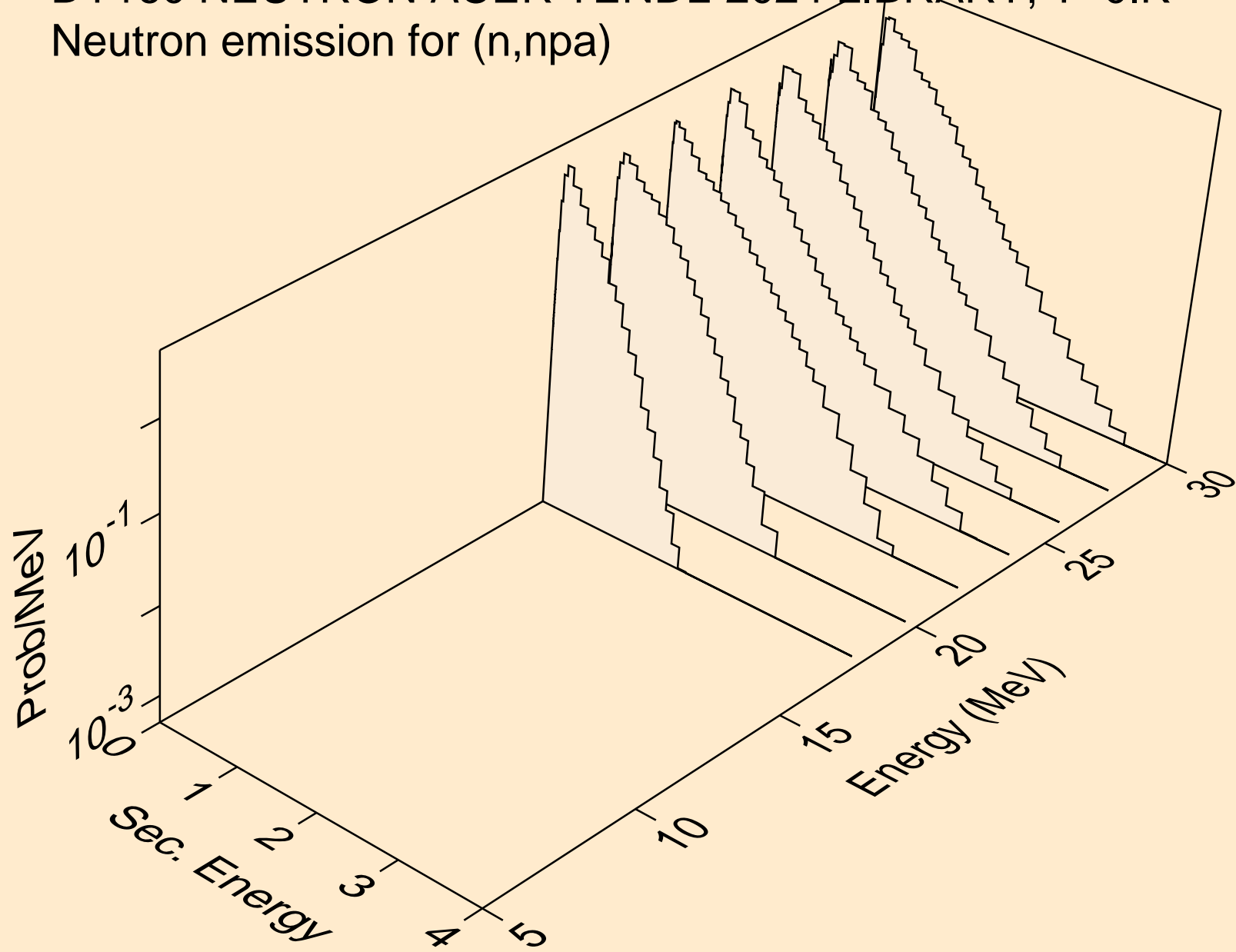


DY160 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n2p)

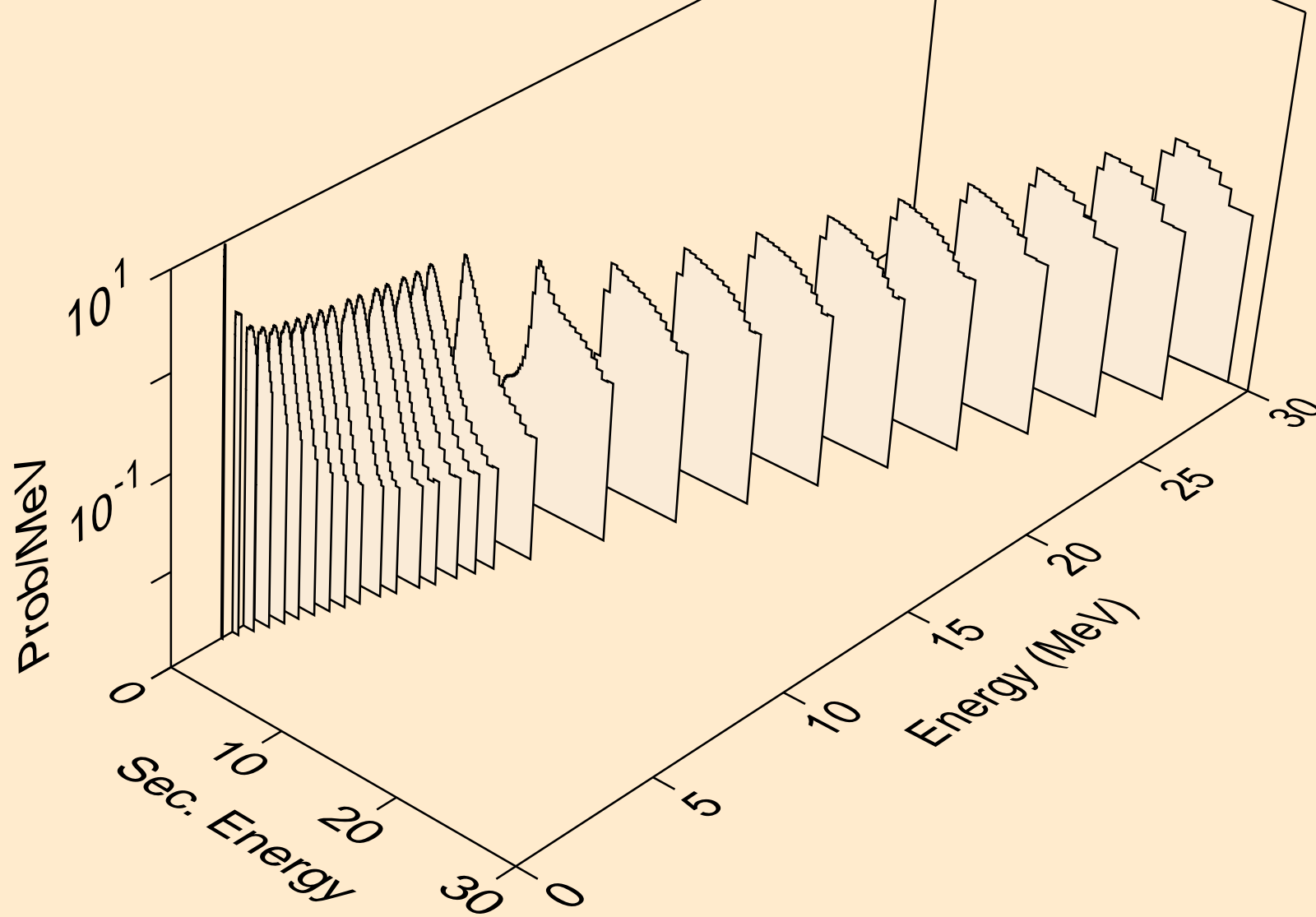




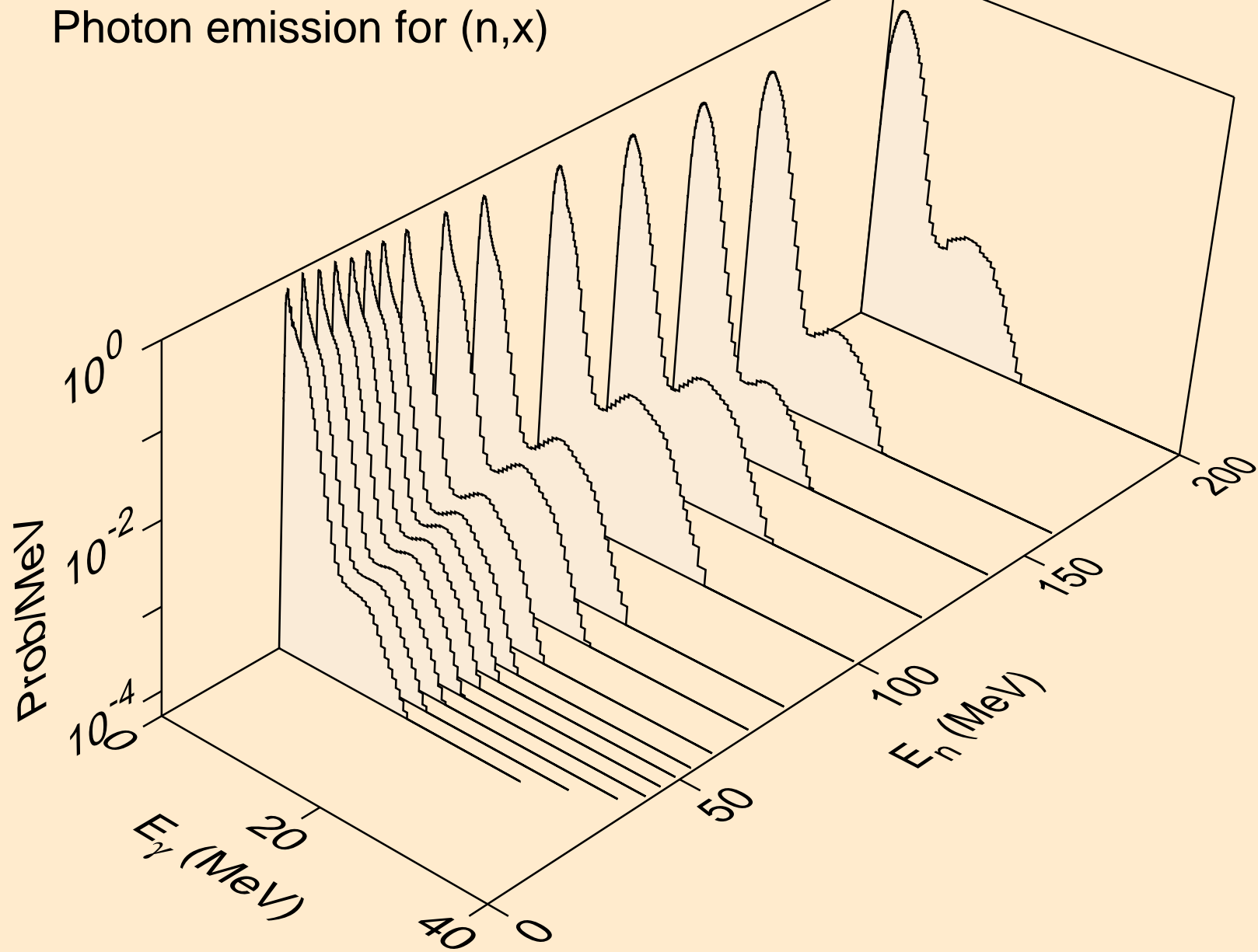
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Neutron emission for (n,npa)



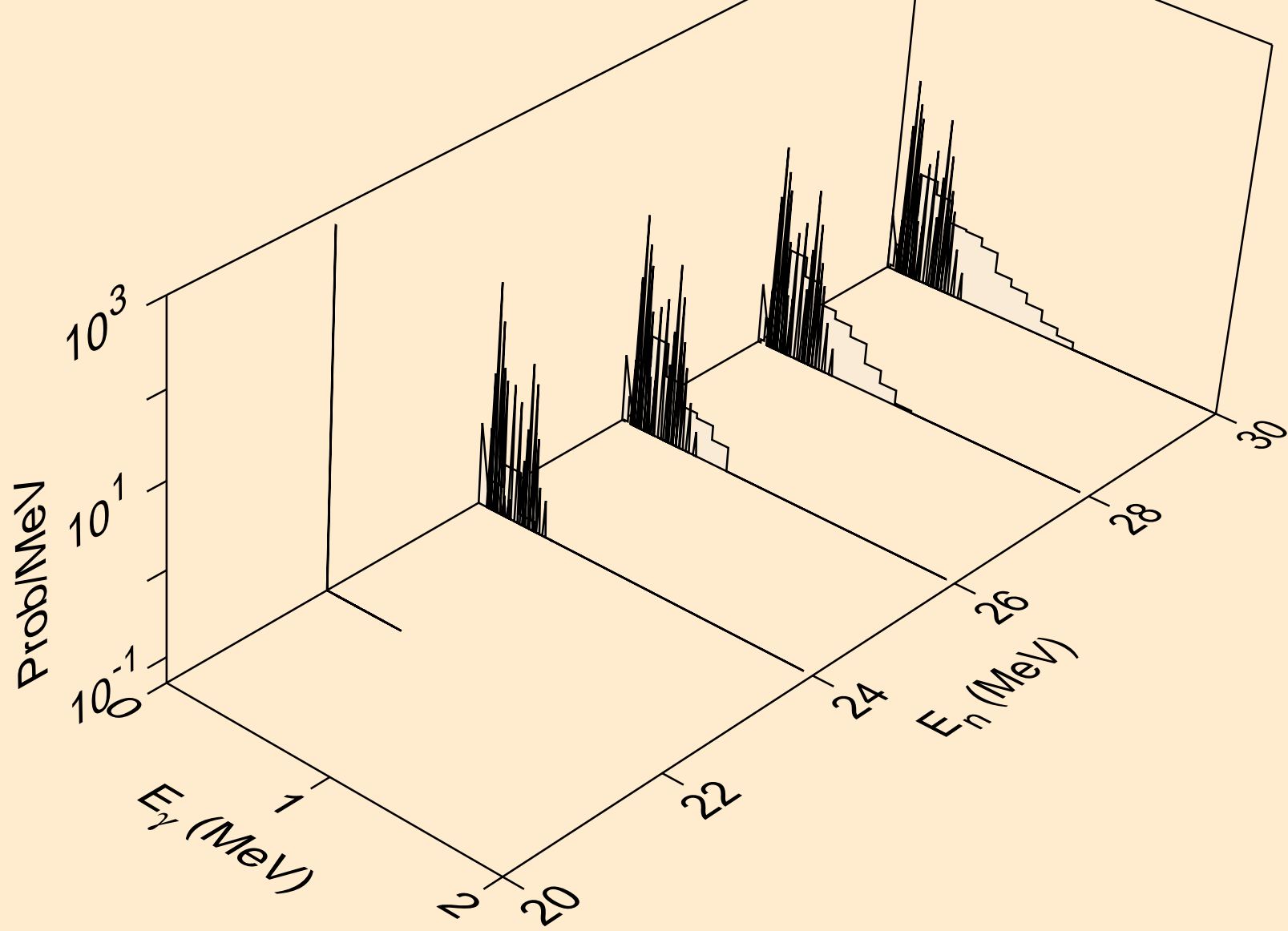
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Neutron emission for (n,n\*c)



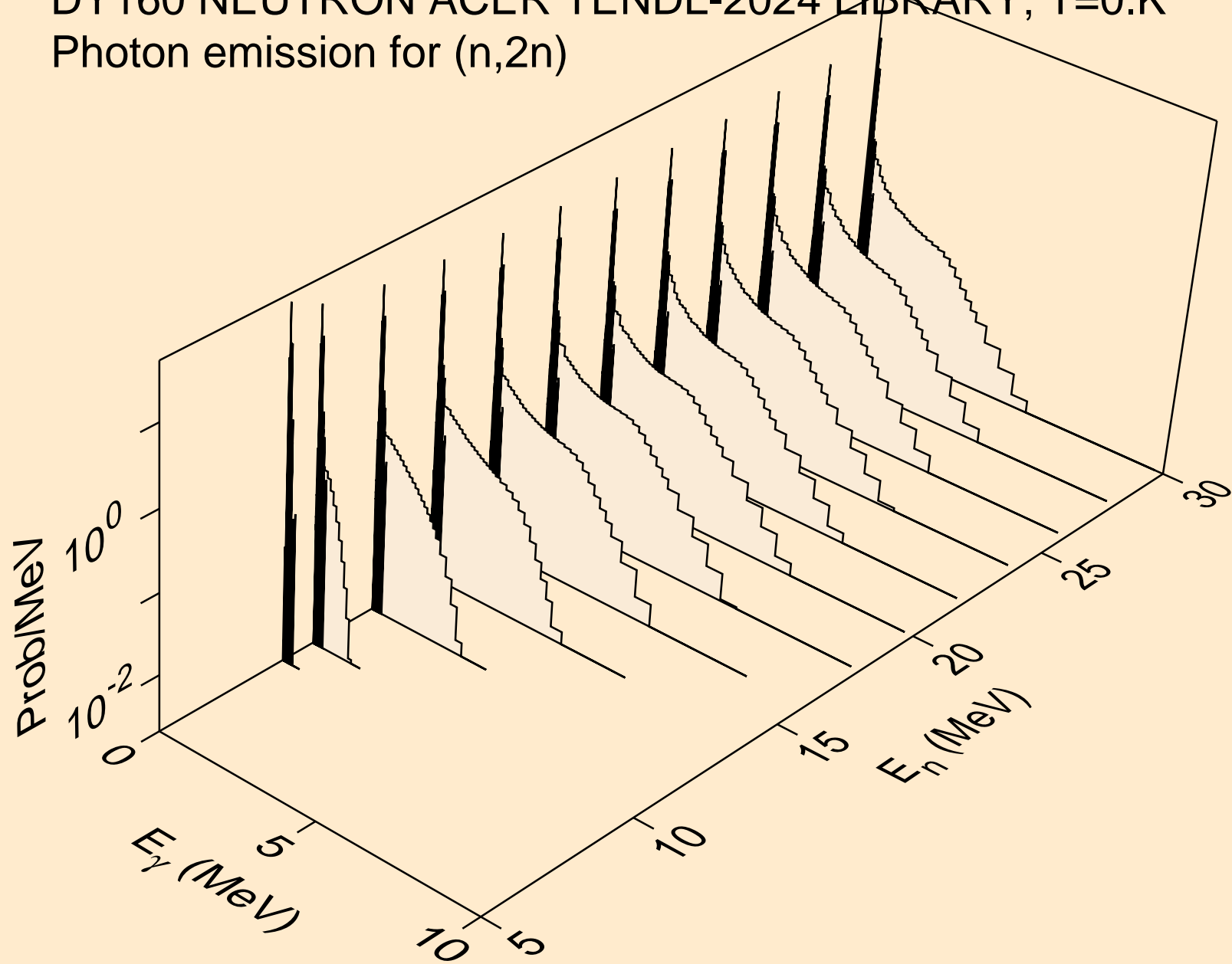
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Photon emission for (n,x)



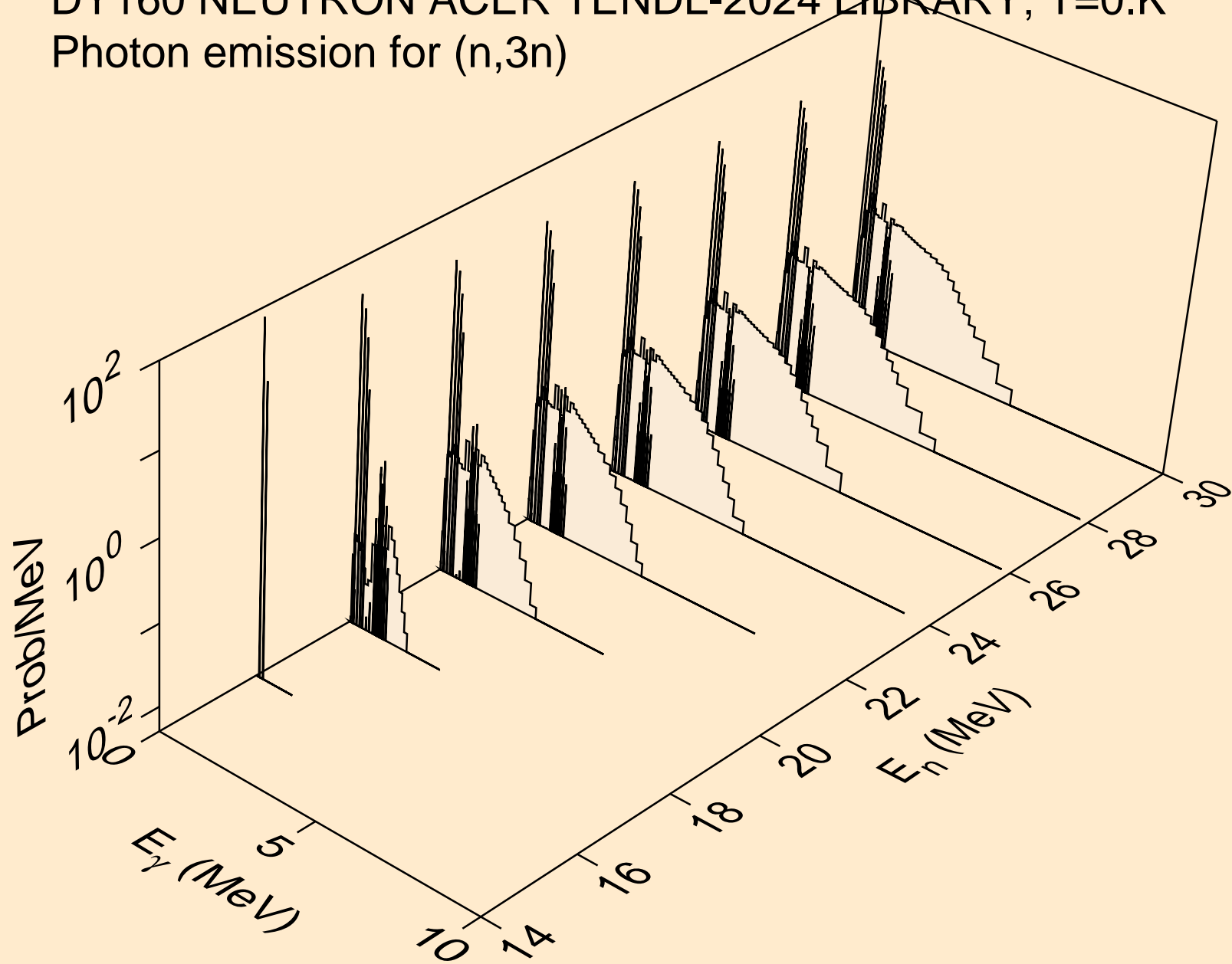
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Photon emission for (n,2nd)



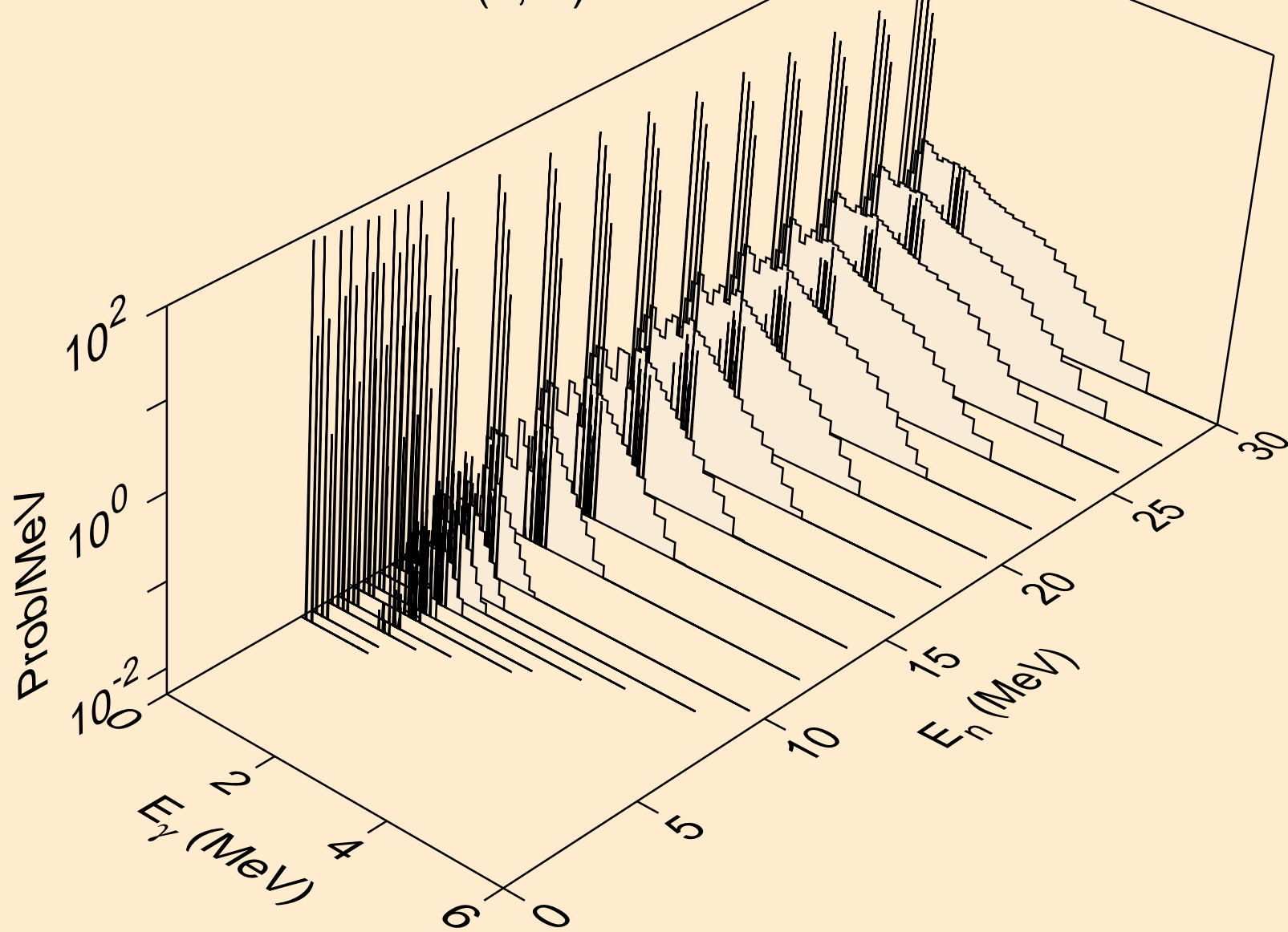
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Photon emission for (n,2n)



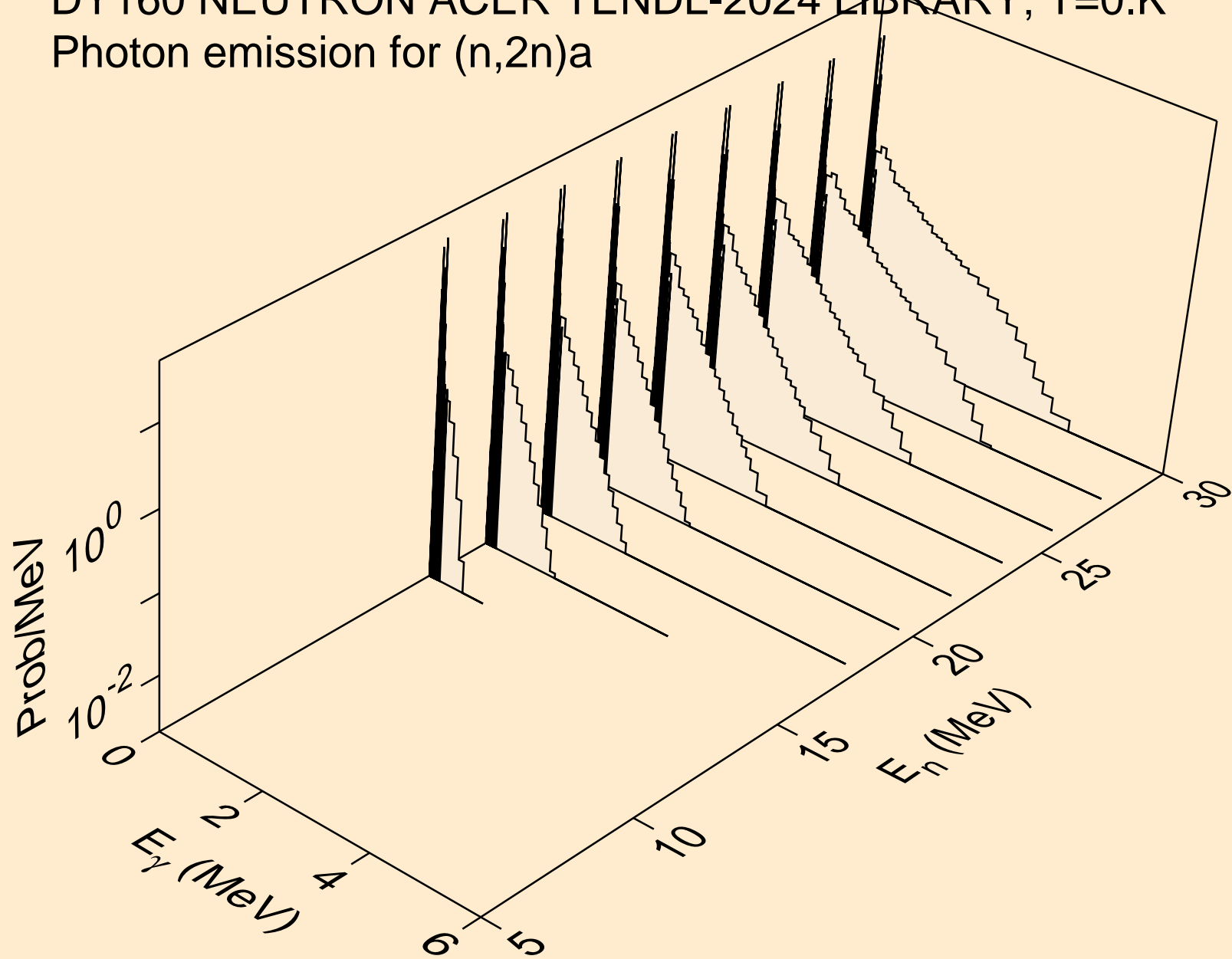
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Photon emission for (n,3n)



DY160 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)a

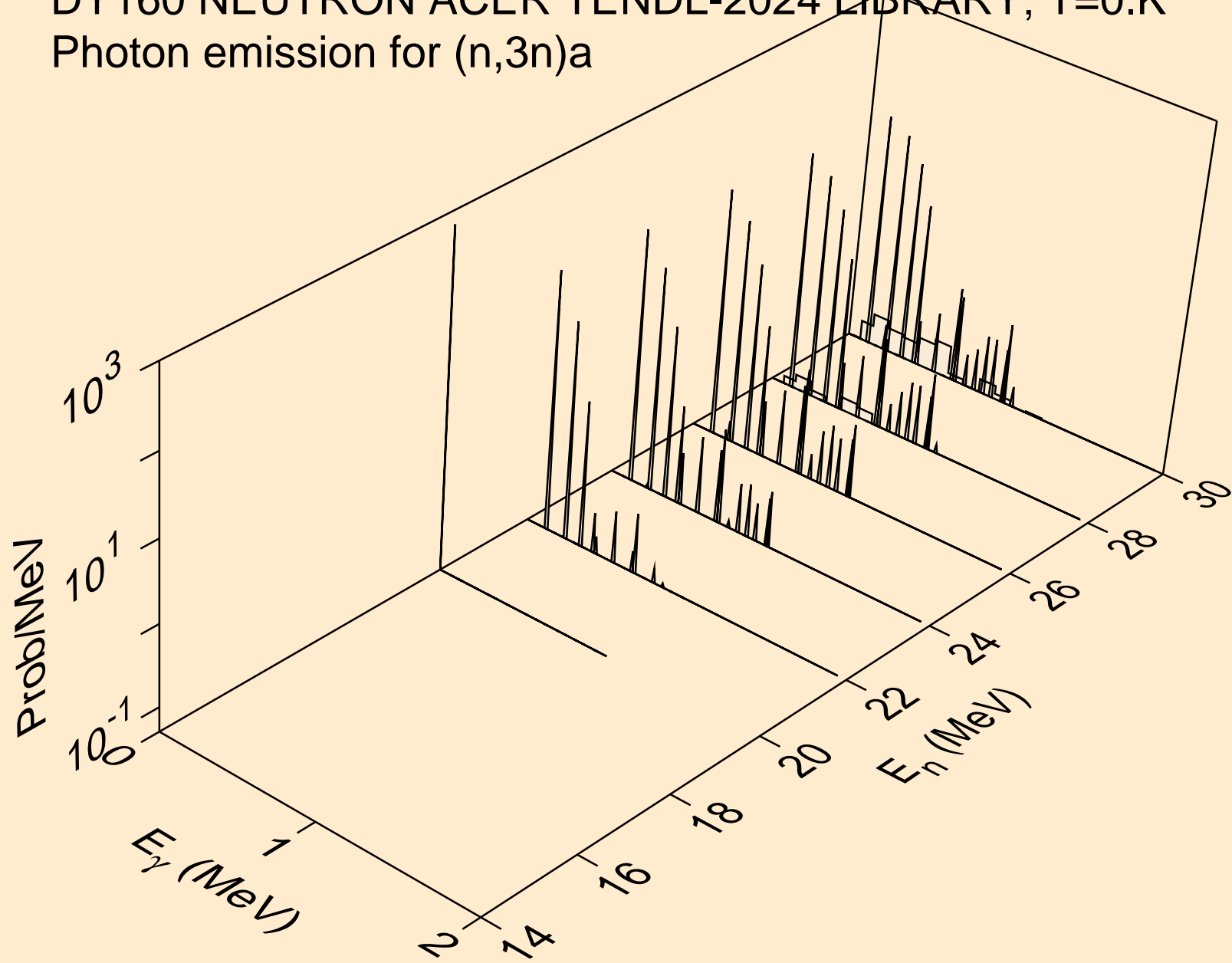


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Photon emission for (n,2n)a

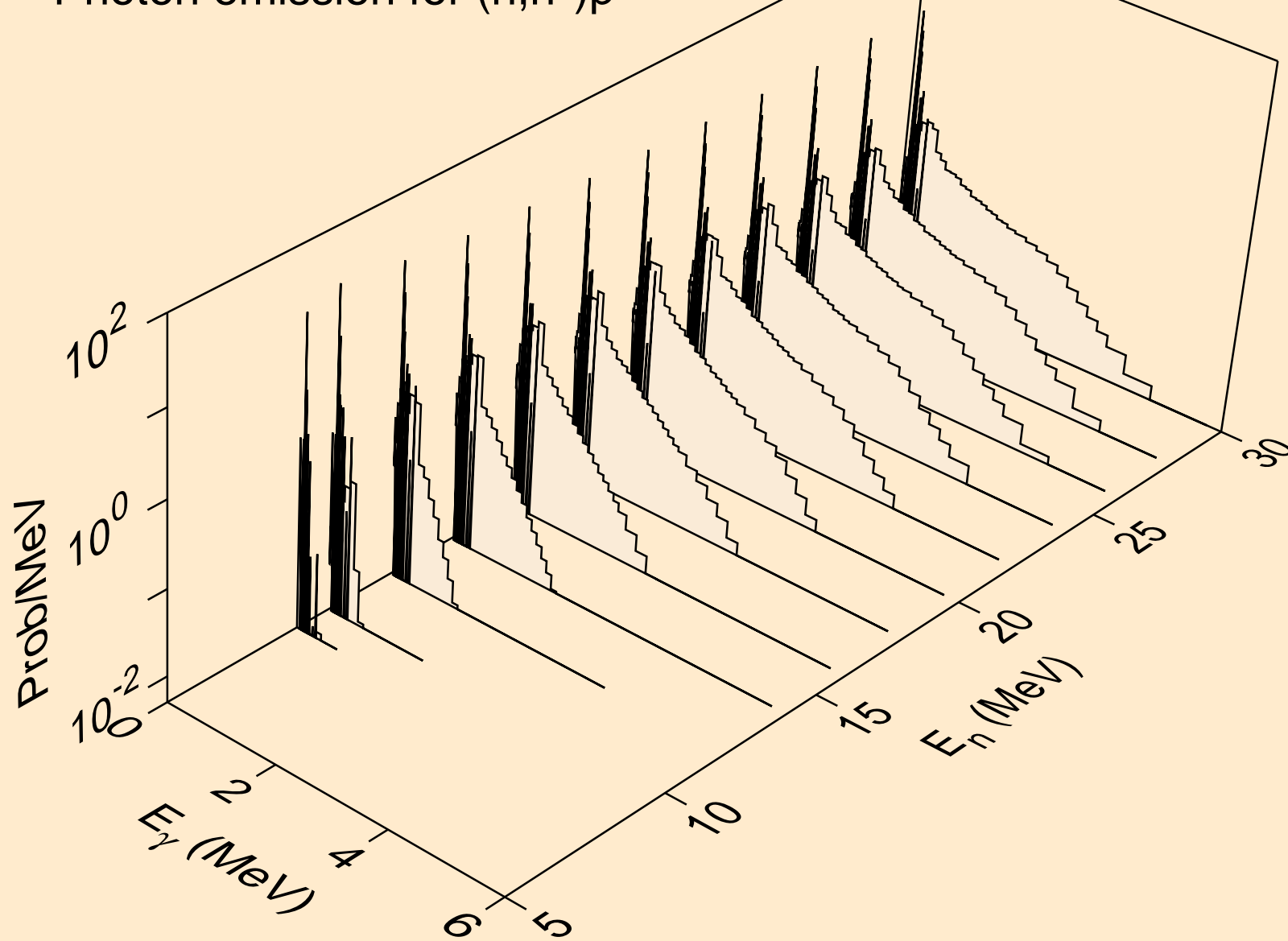




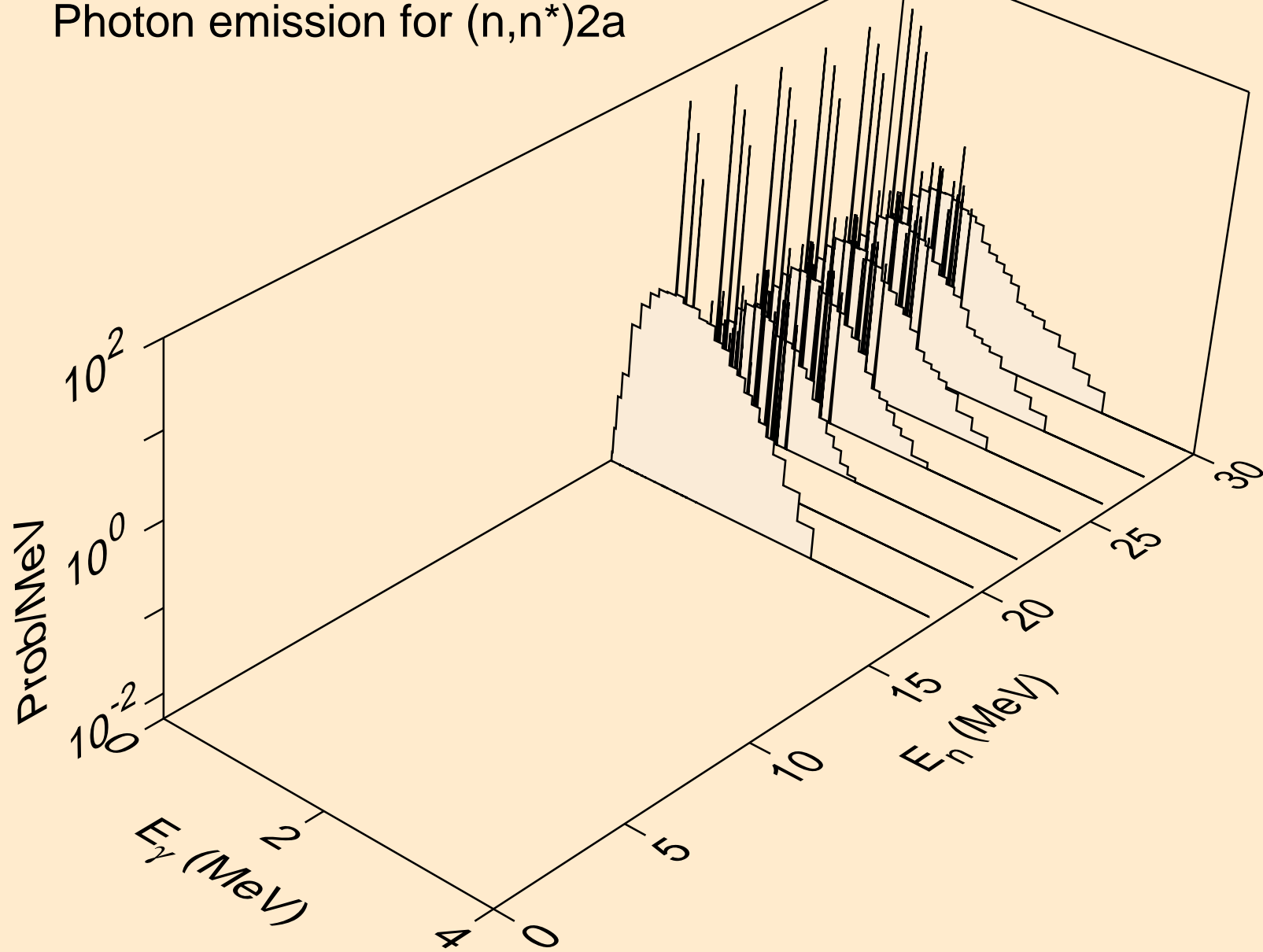
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Photon emission for (n,3n)a



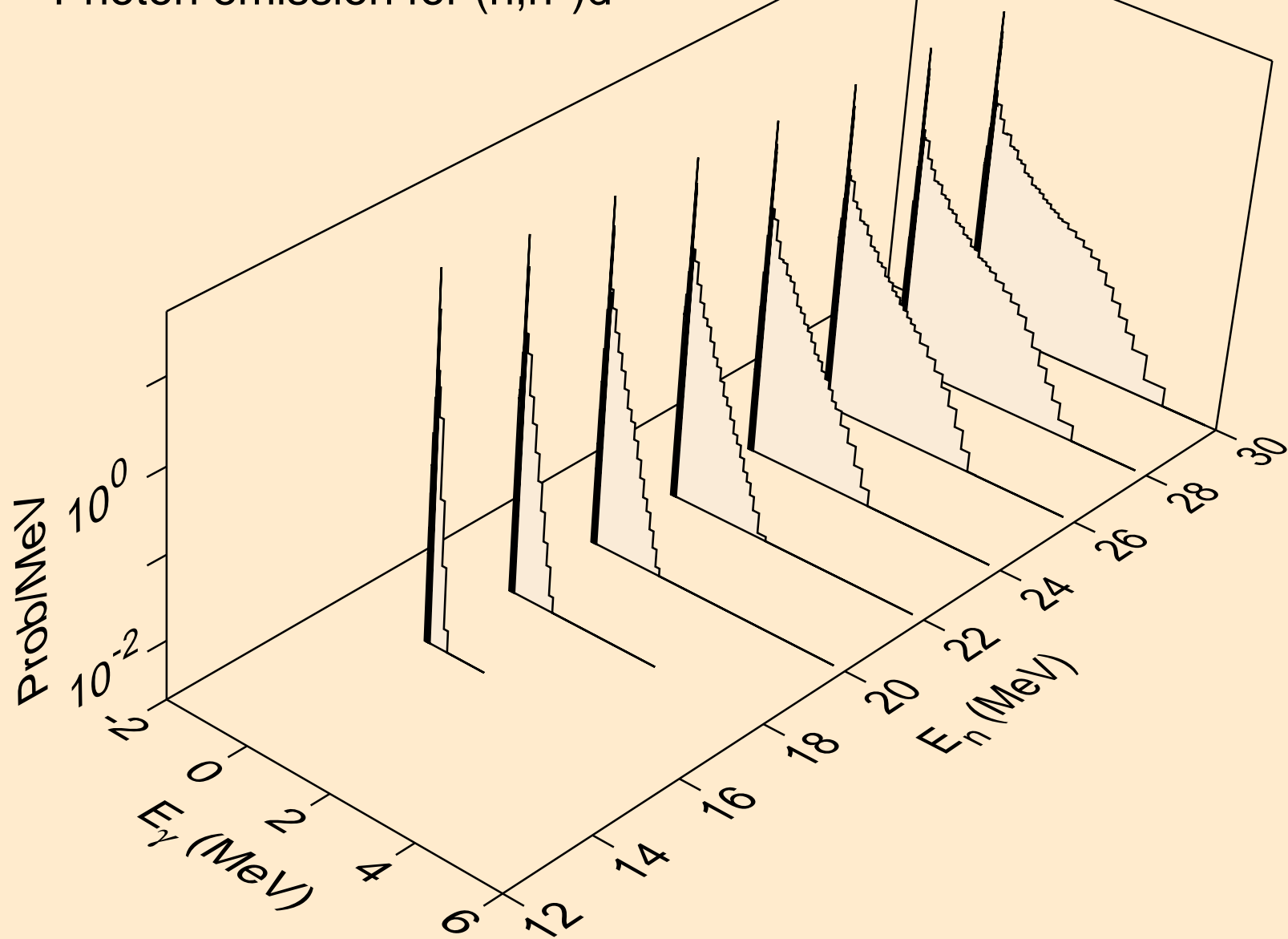
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Photon emission for (n,n\*)p



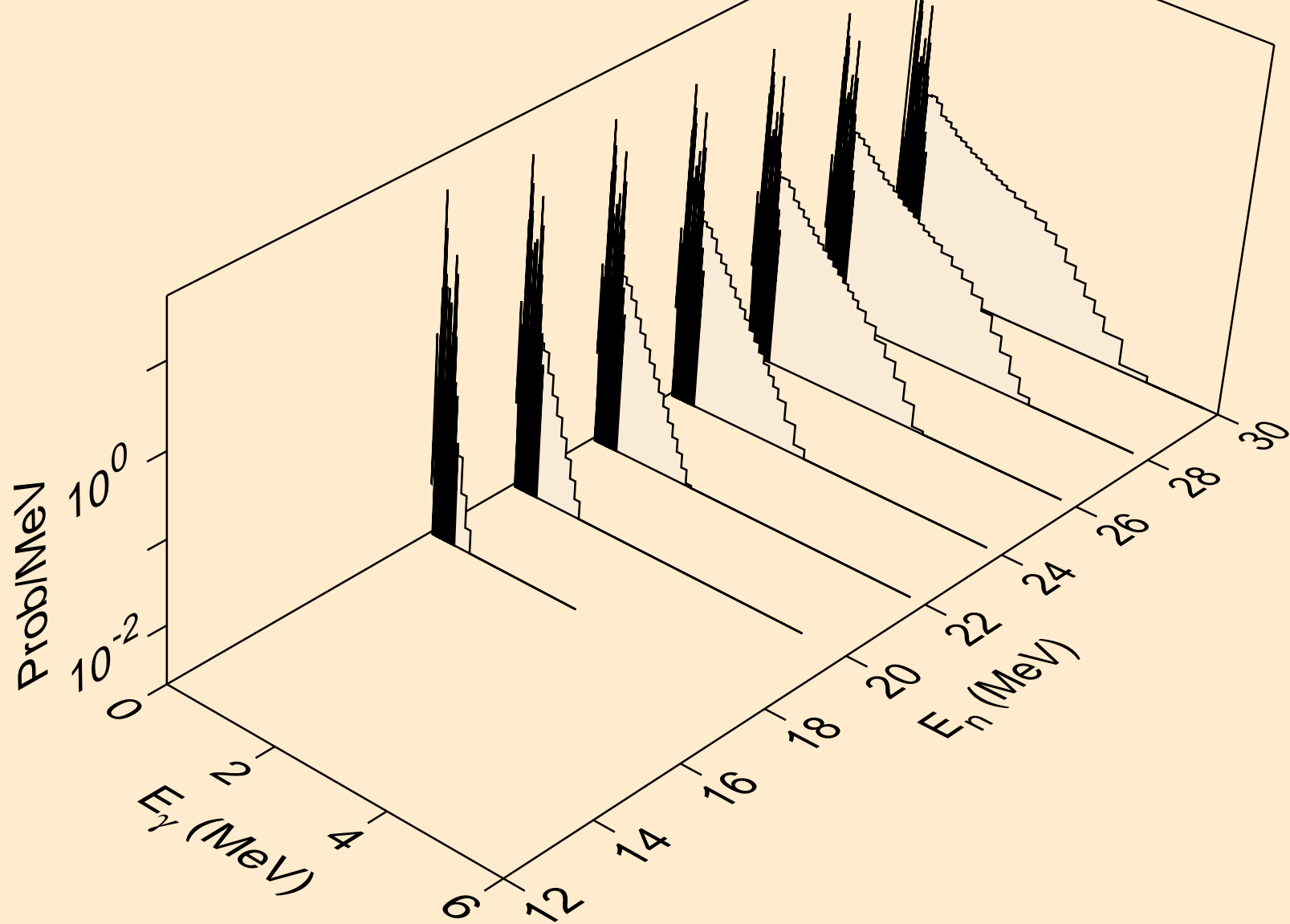
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Photon emission for (n,n\*)2a



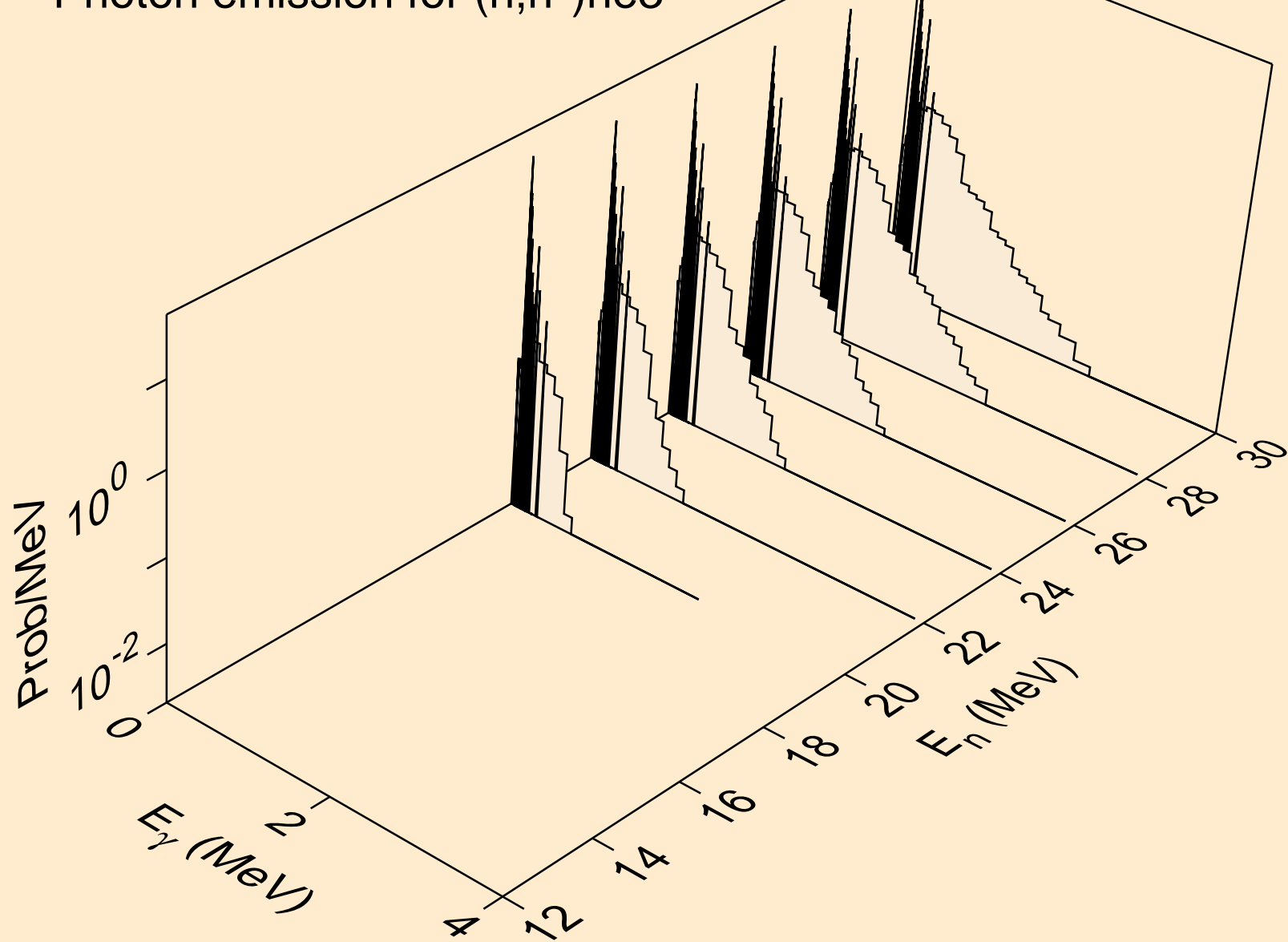
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Photon emission for (n,n\*)d



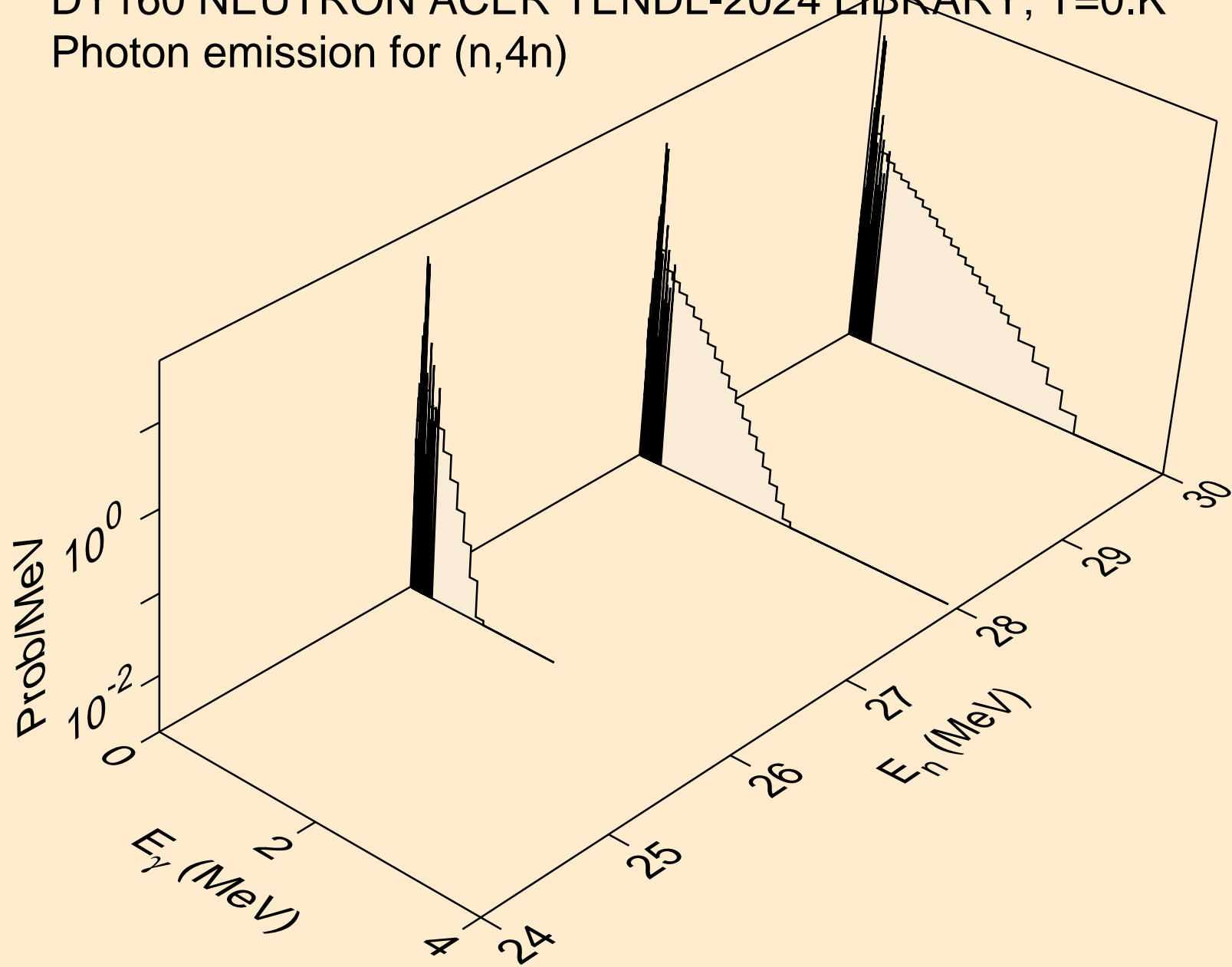
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Photon emission for (n,n\*)t



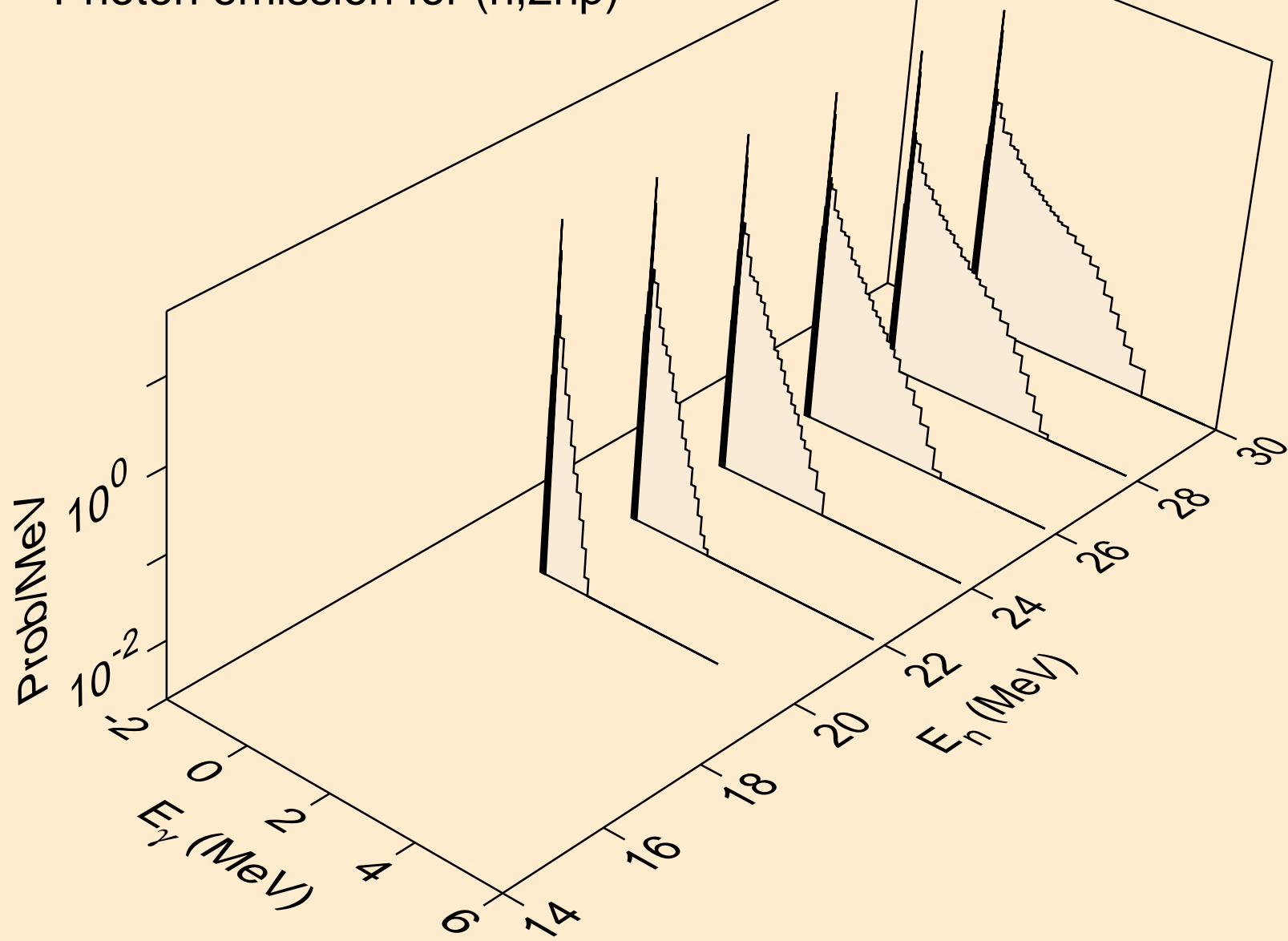
DY160 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



DY160 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,4n)

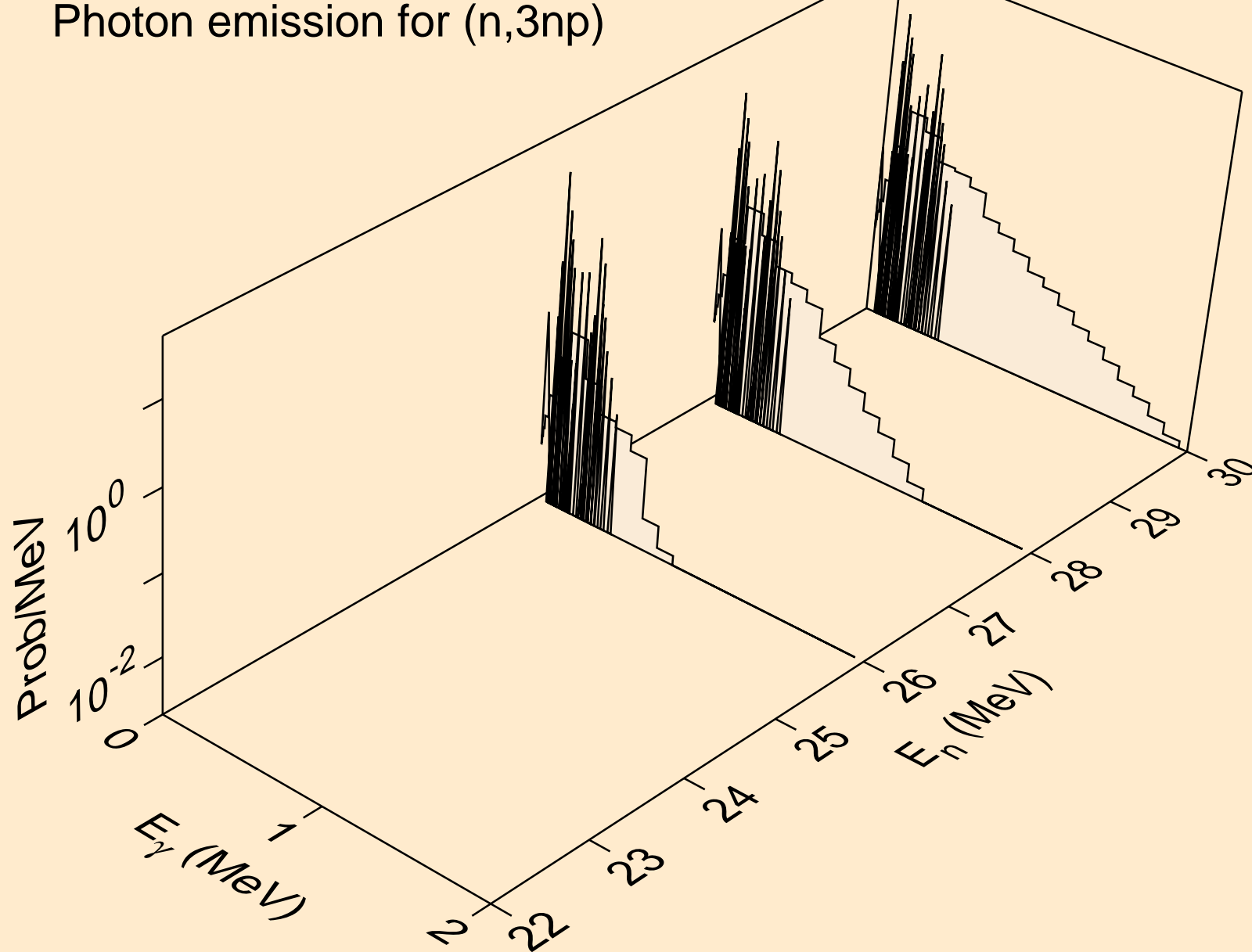


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Photon emission for (n,2np)

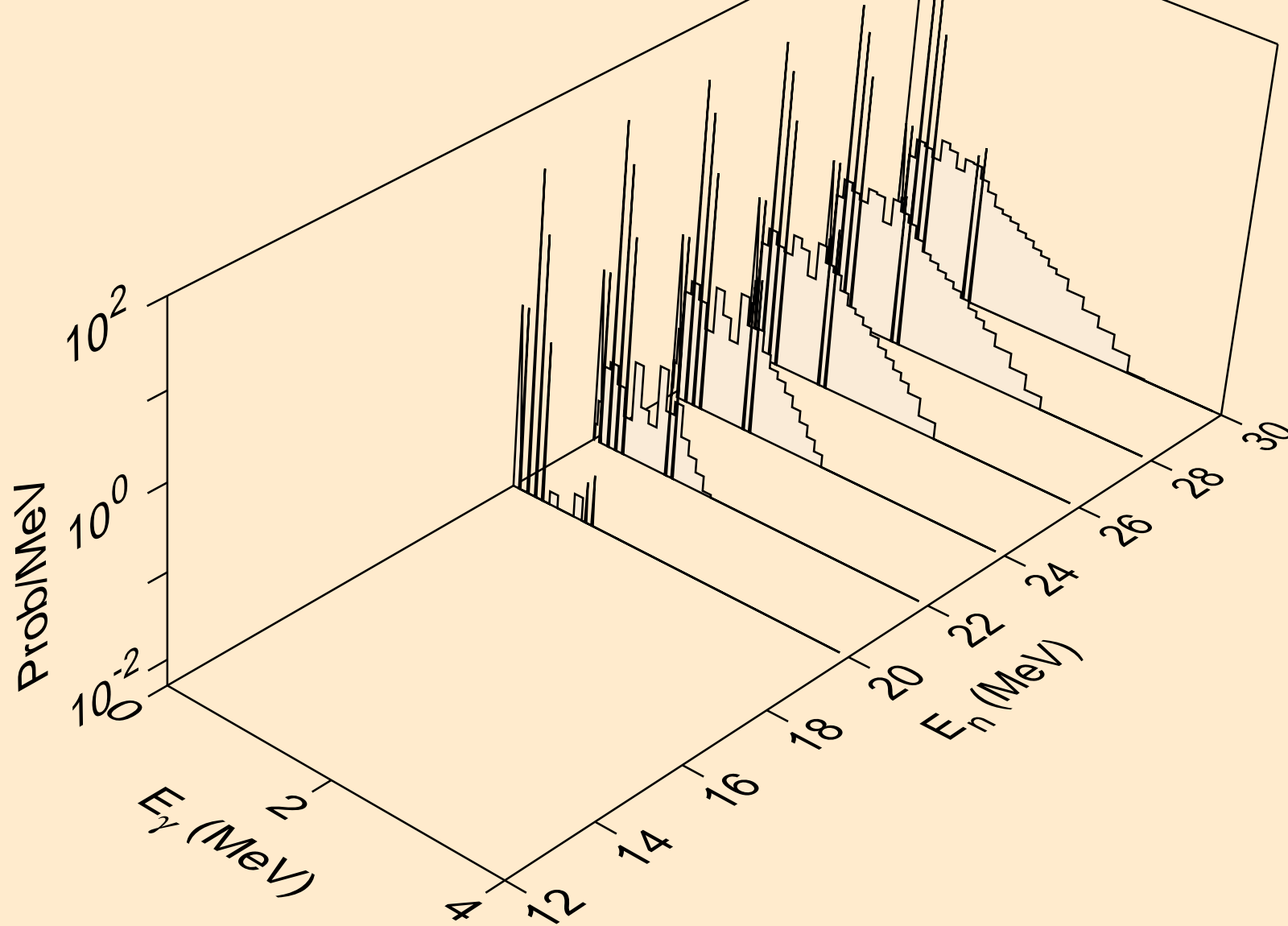




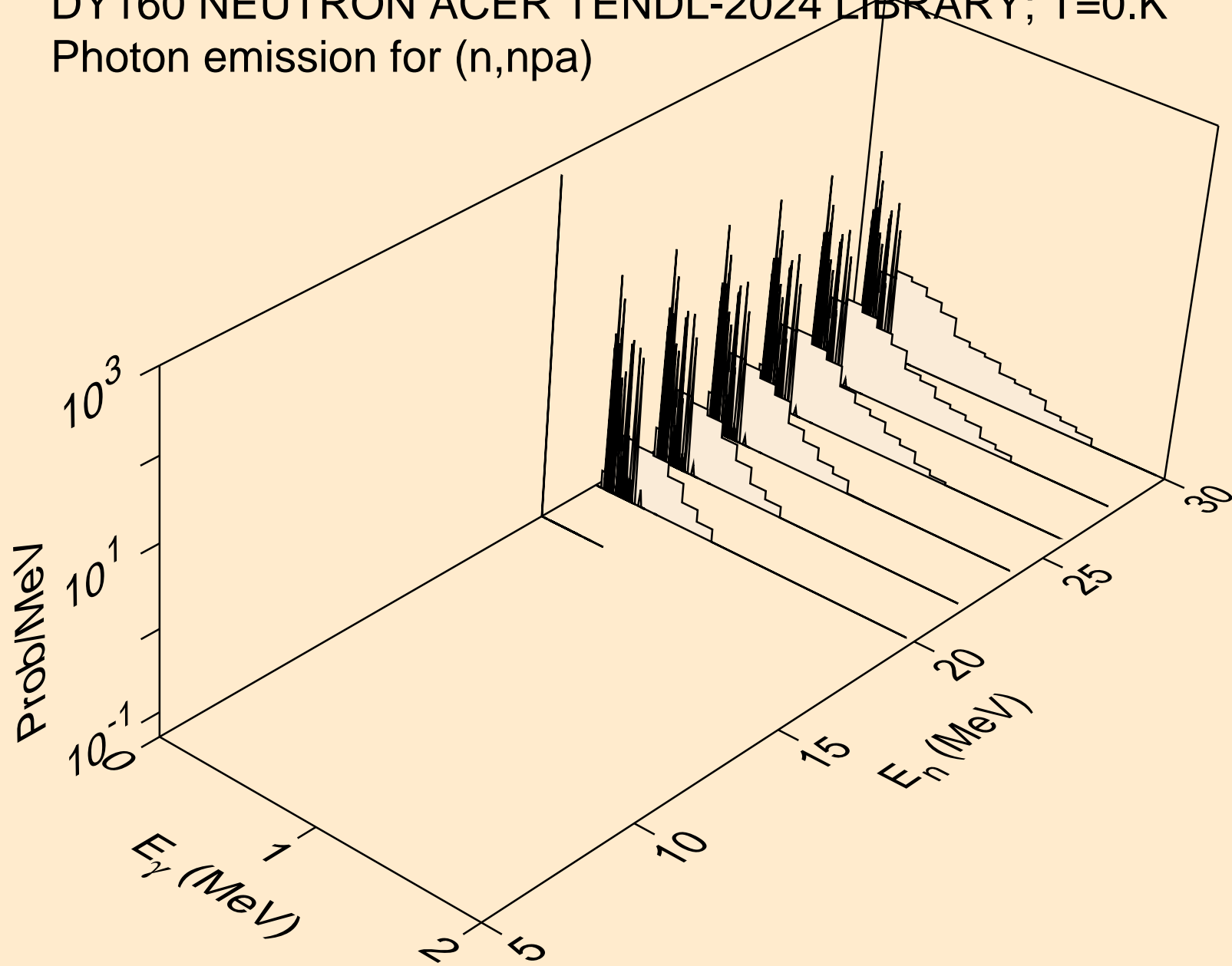
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Photon emission for (n,3np)



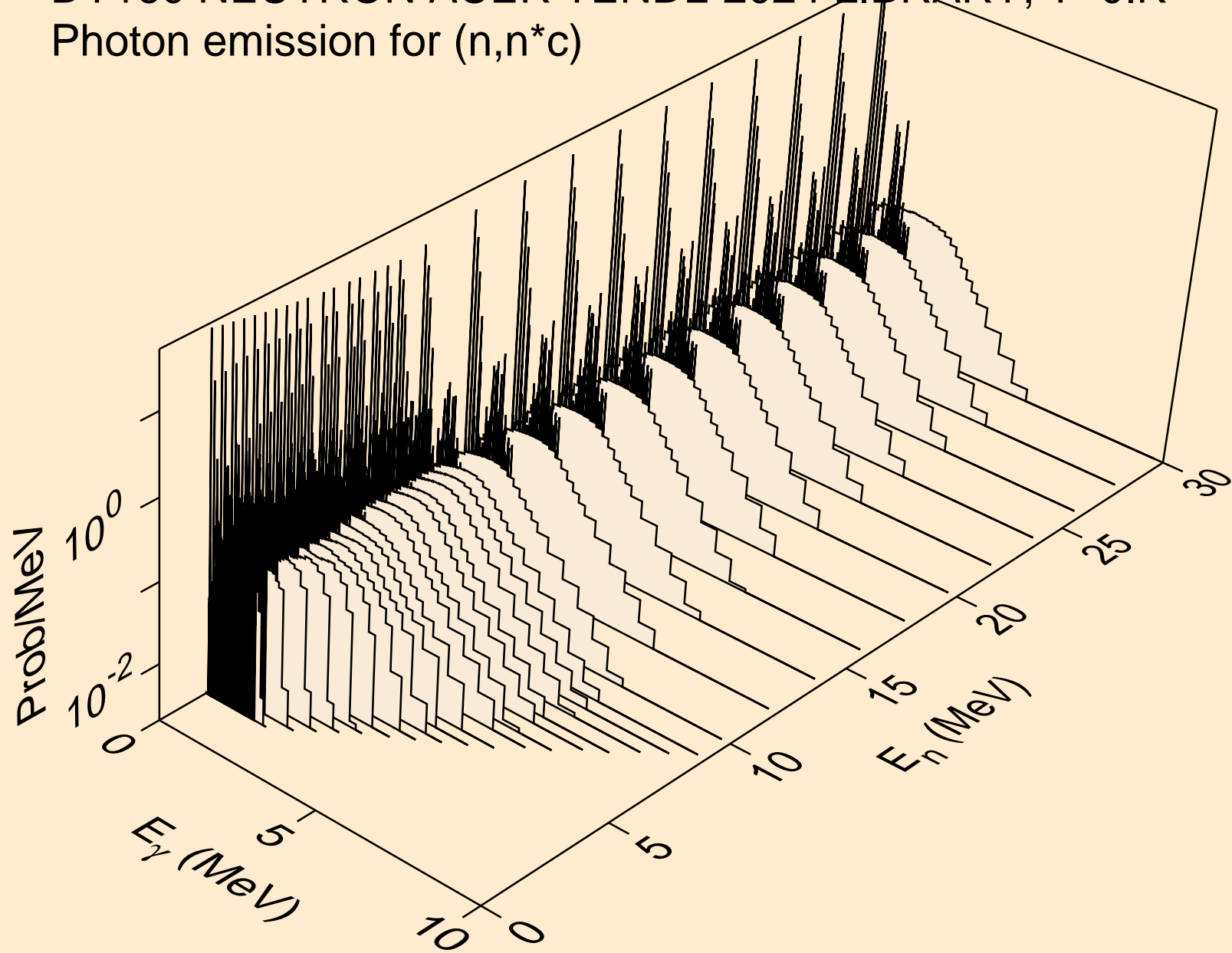
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Photon emission for (n,n2p)



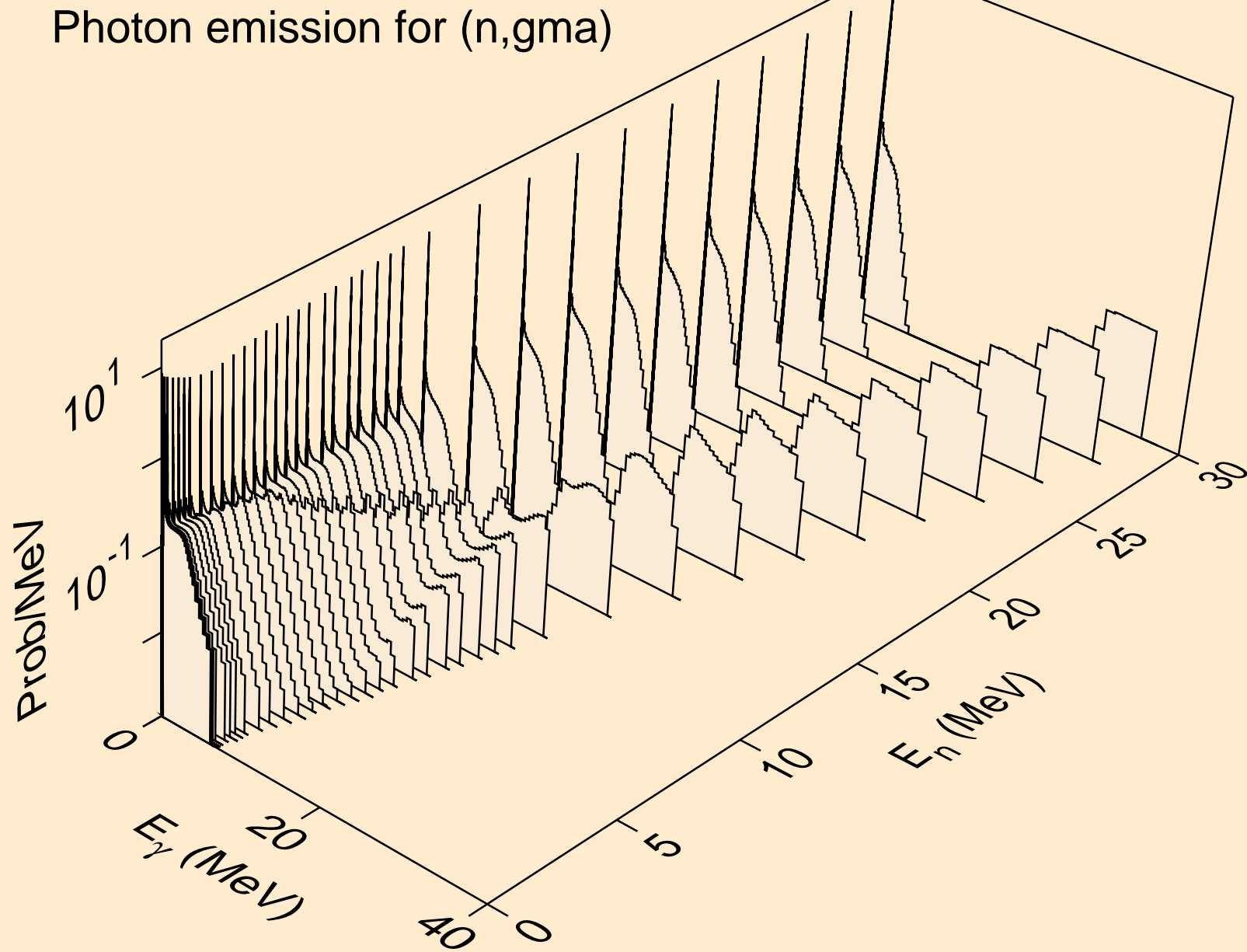
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Photon emission for (n,npa)



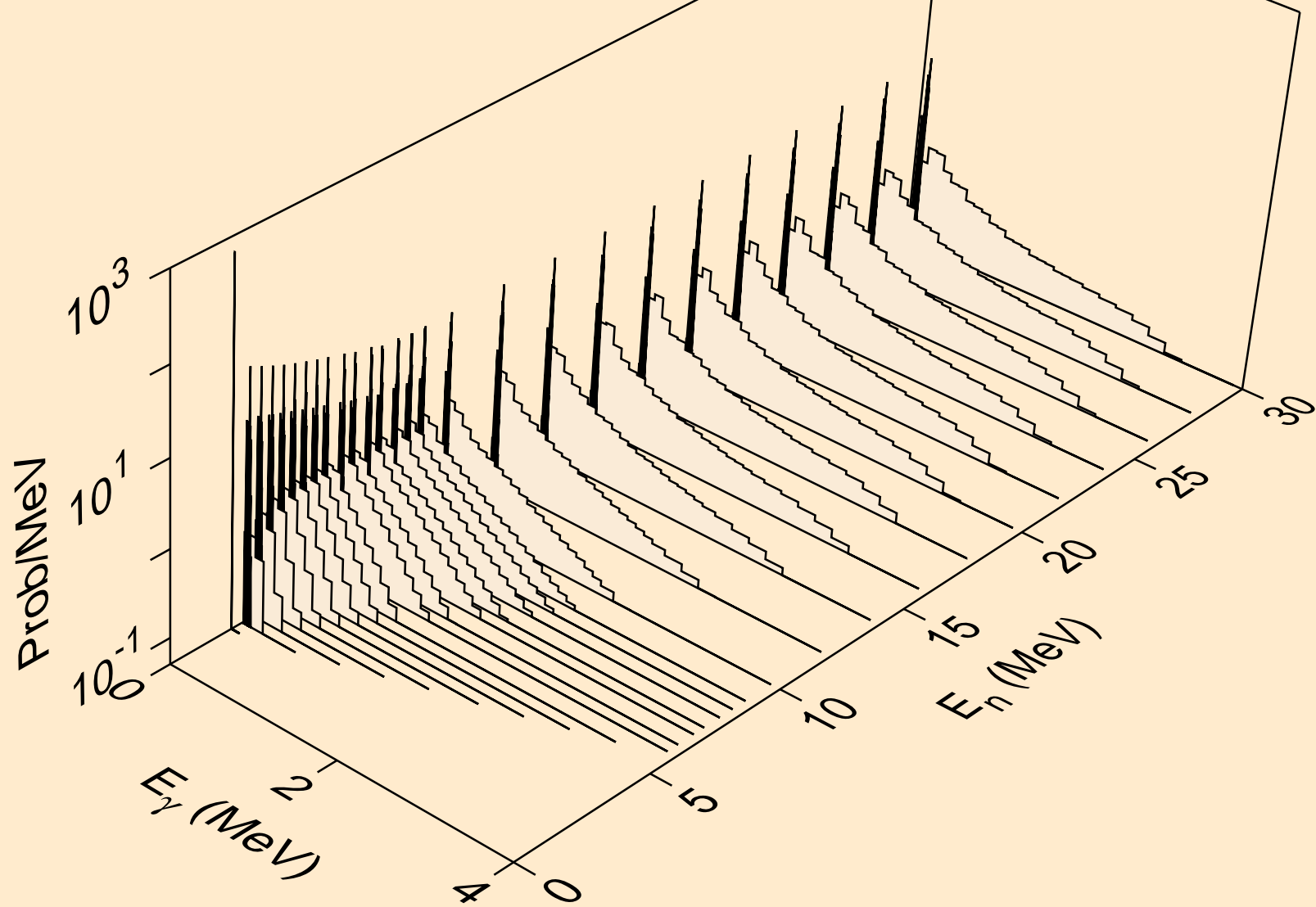
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Photon emission for (n,n\*c)



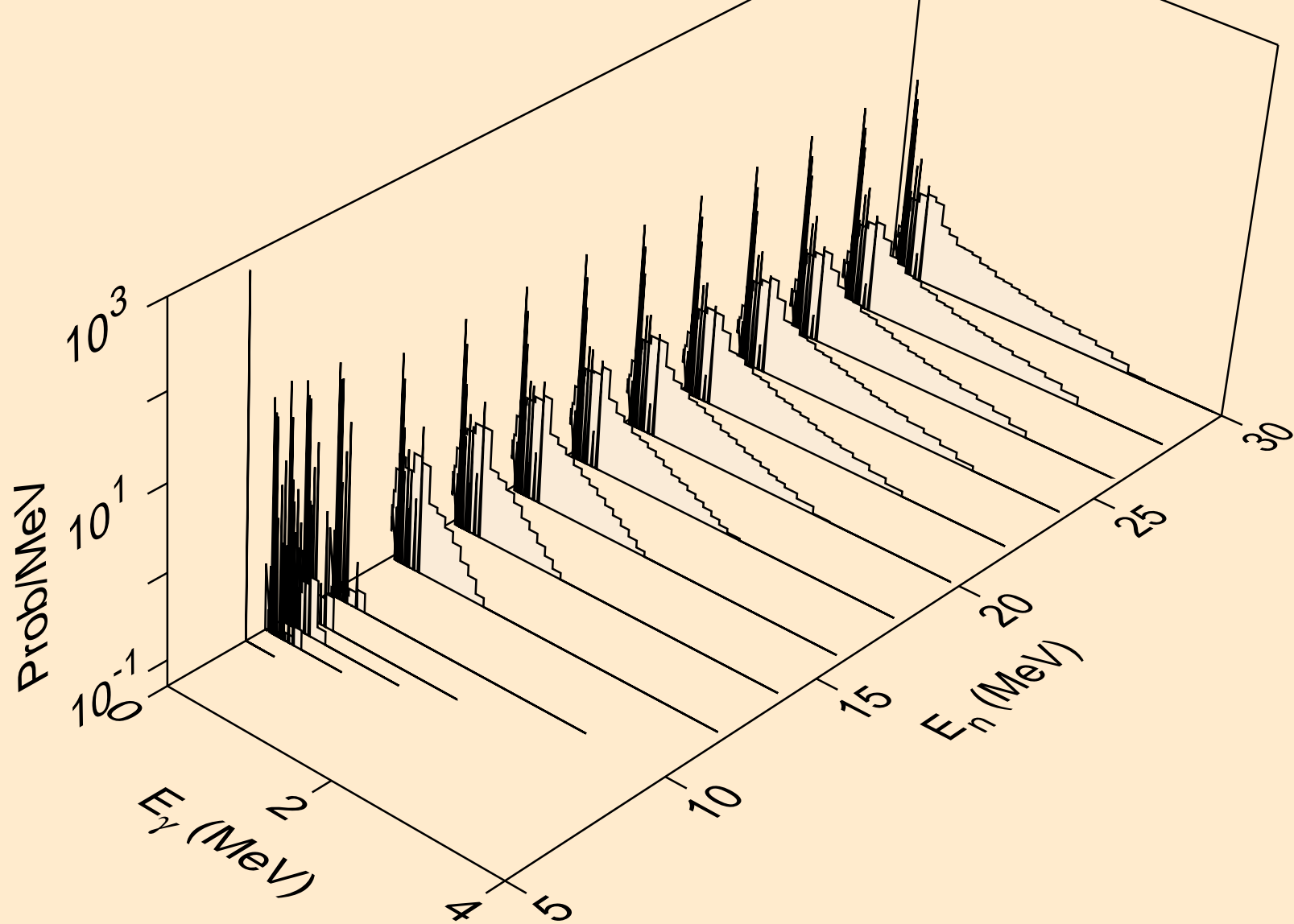
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Photon emission for (n,gma)



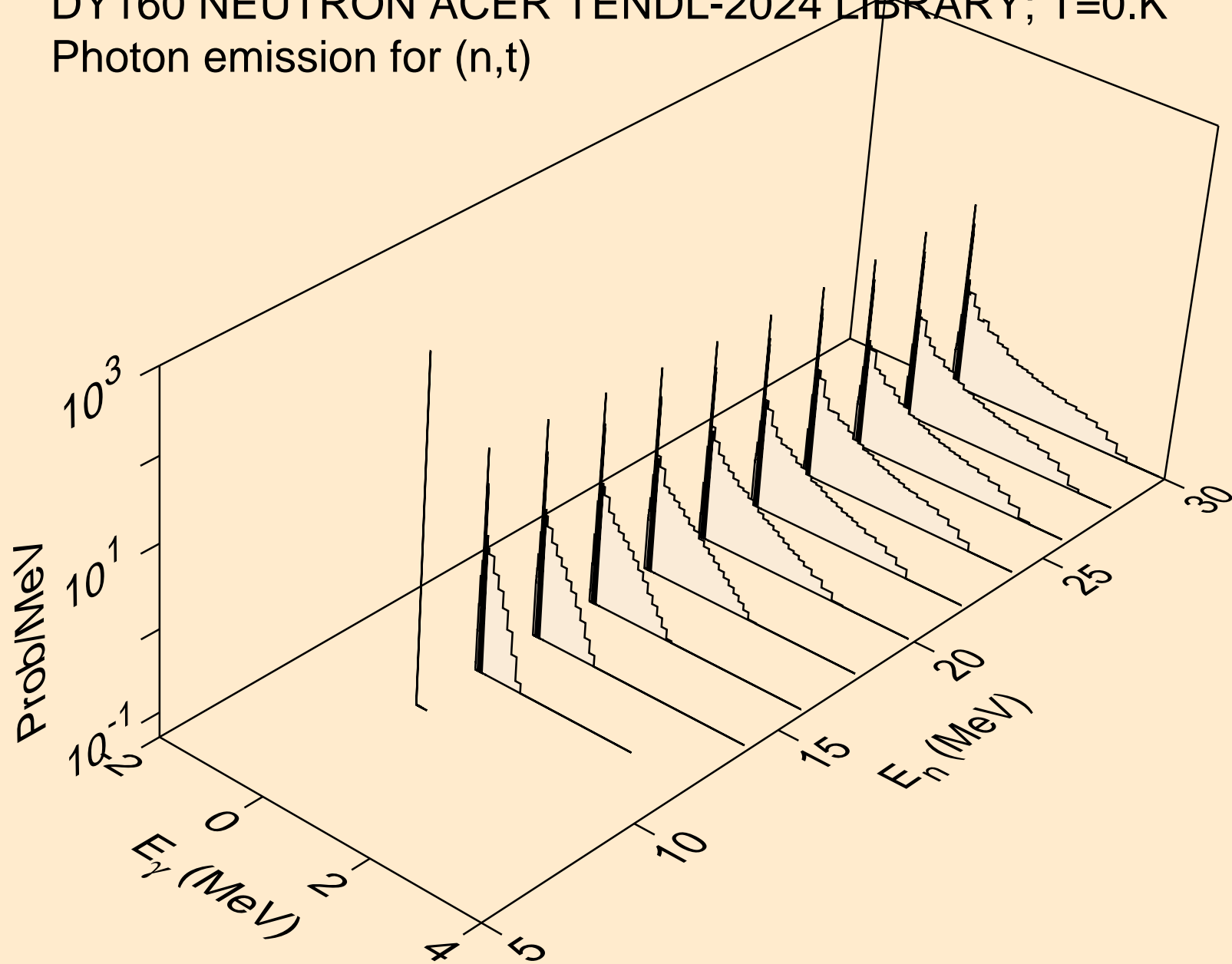
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Photon emission for (n,p)



DY160 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,d)

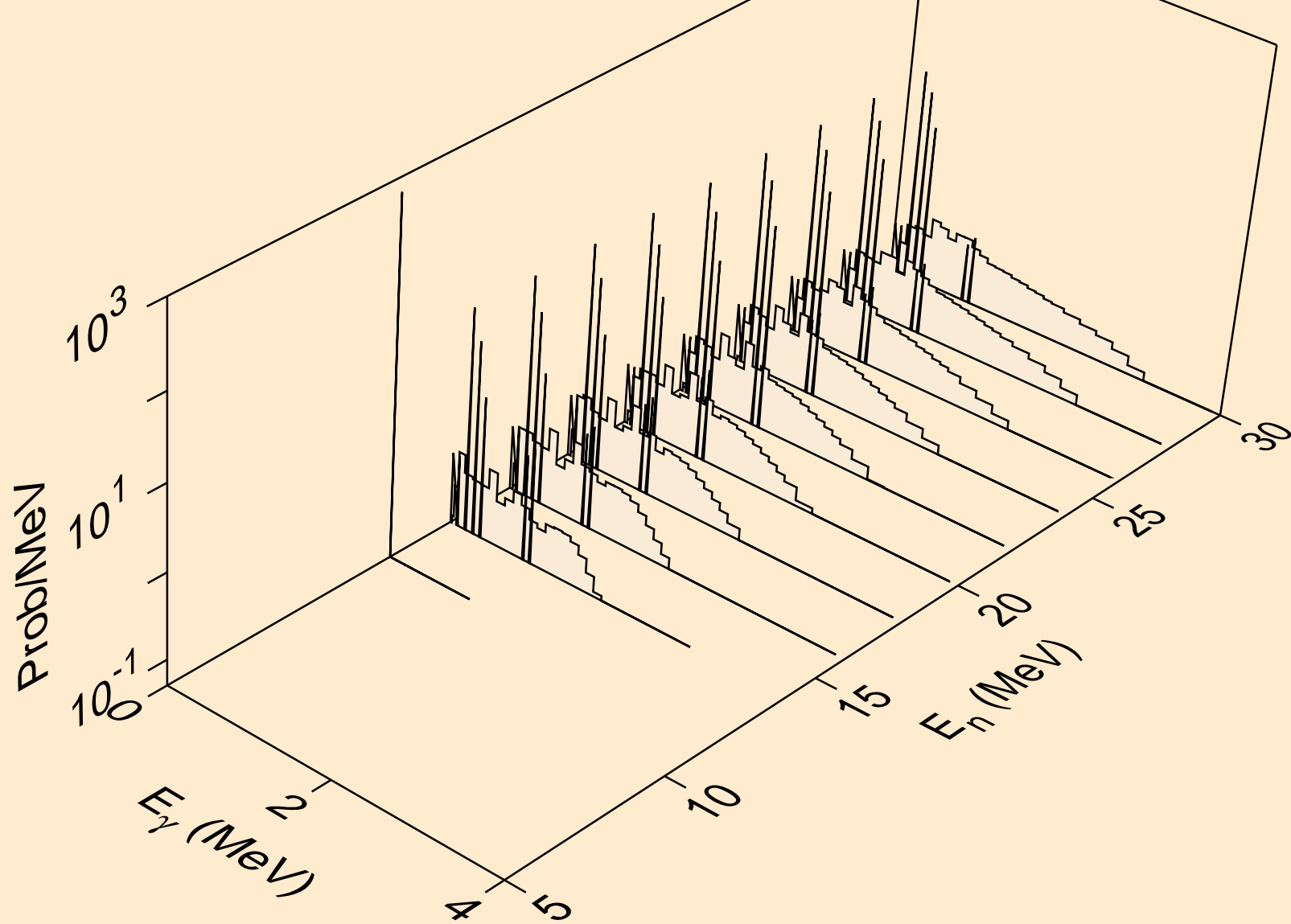


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Photon emission for (n,t)

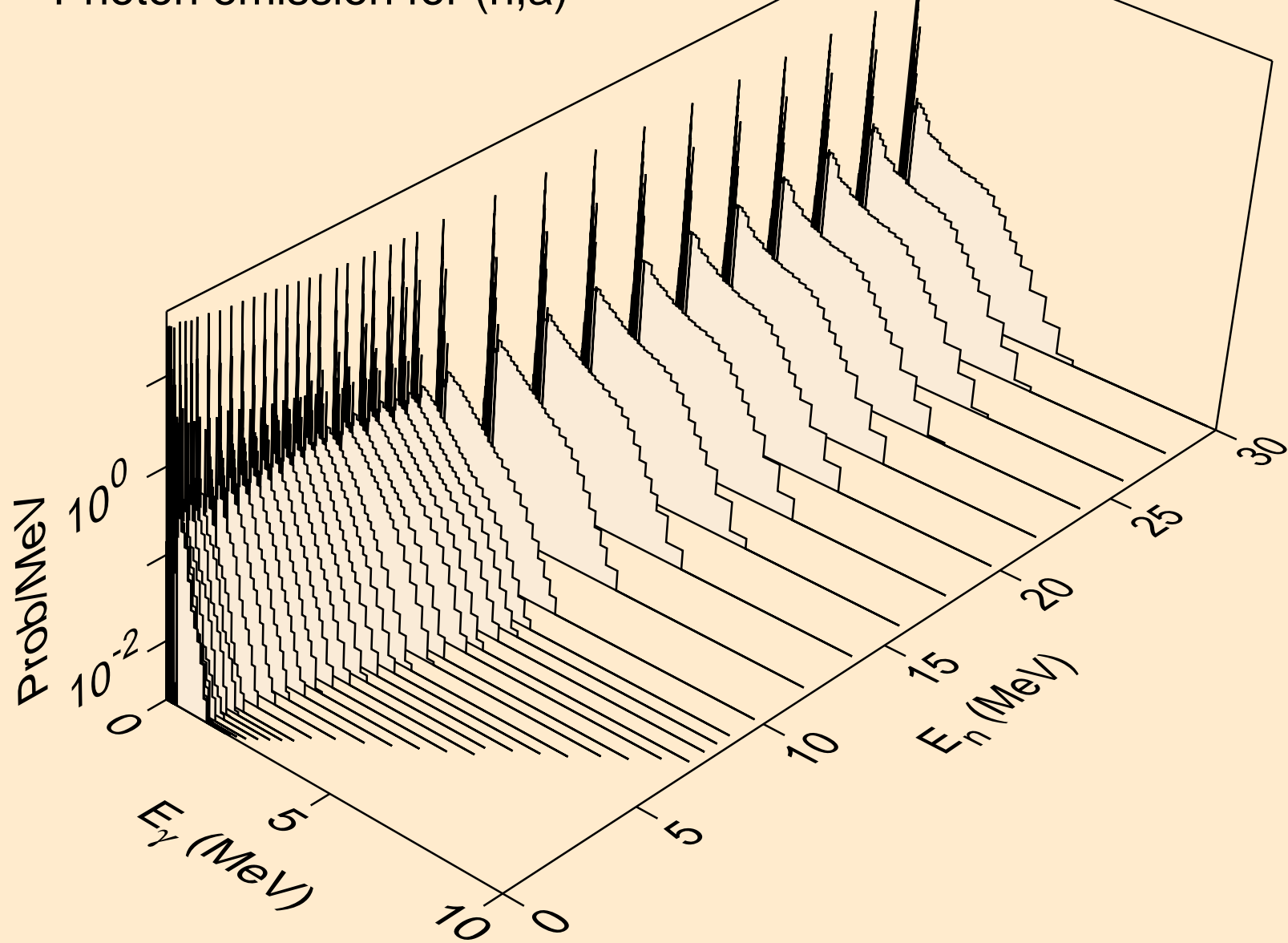




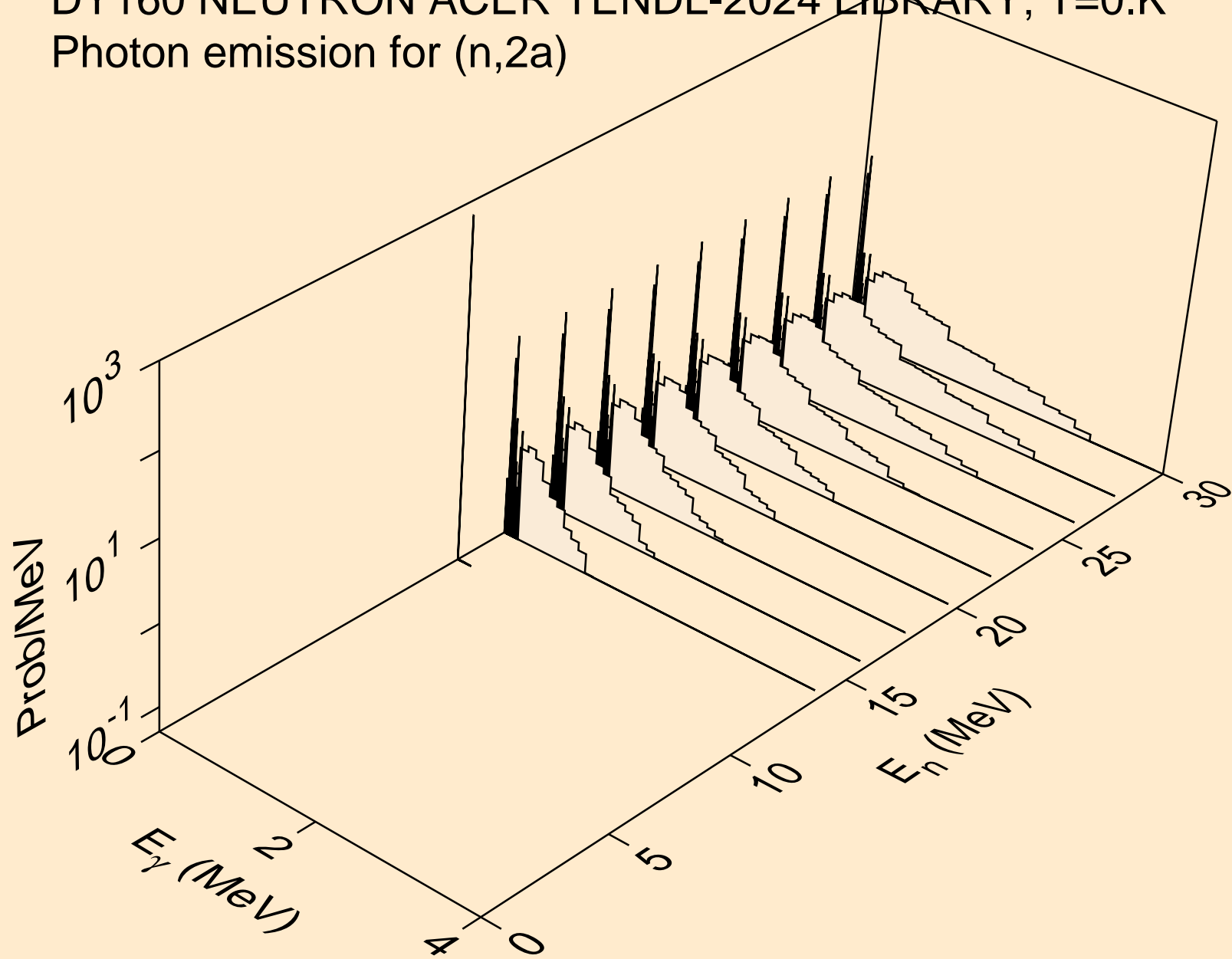
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Photon emission for (n,he3)



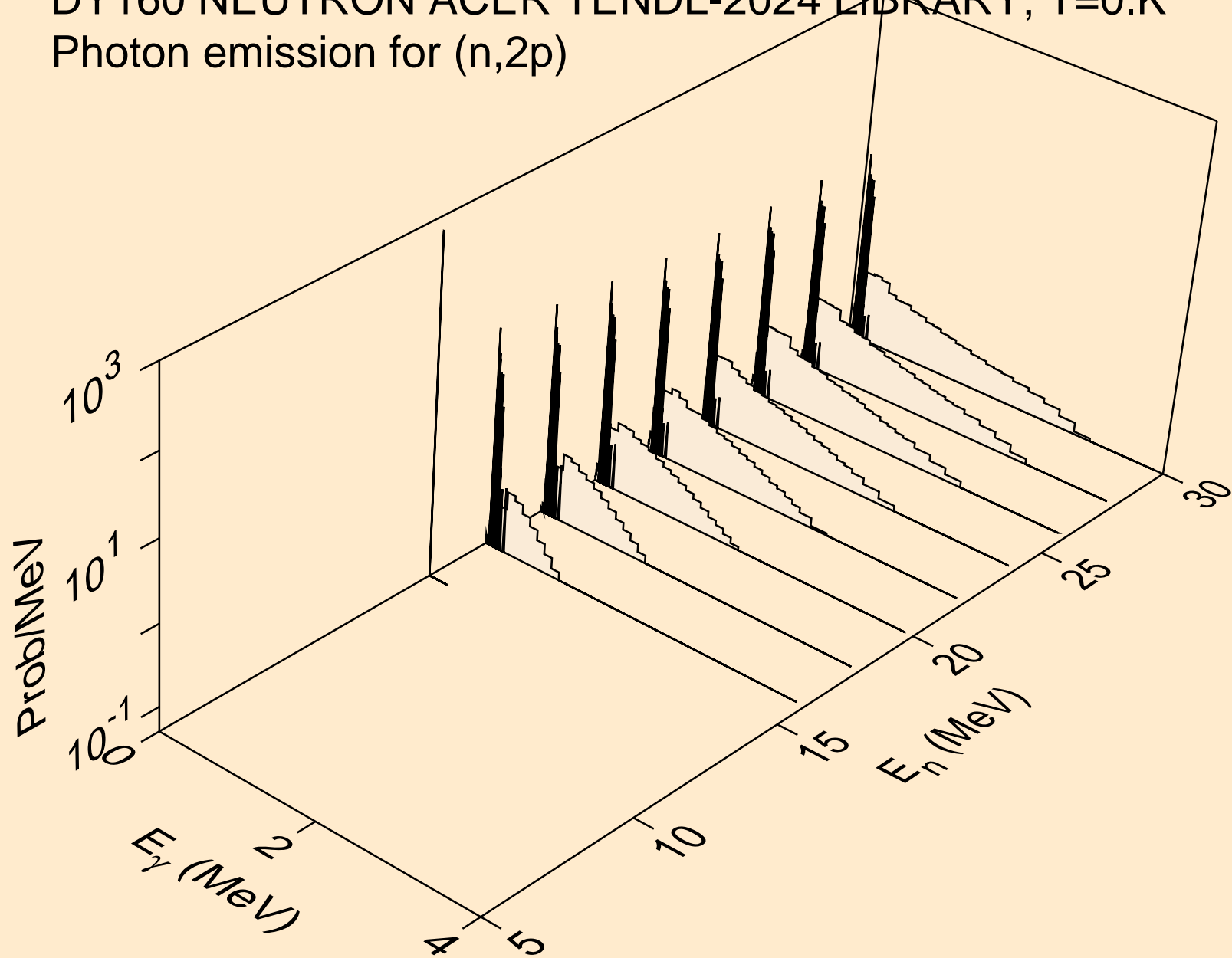
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Photon emission for (n,a)



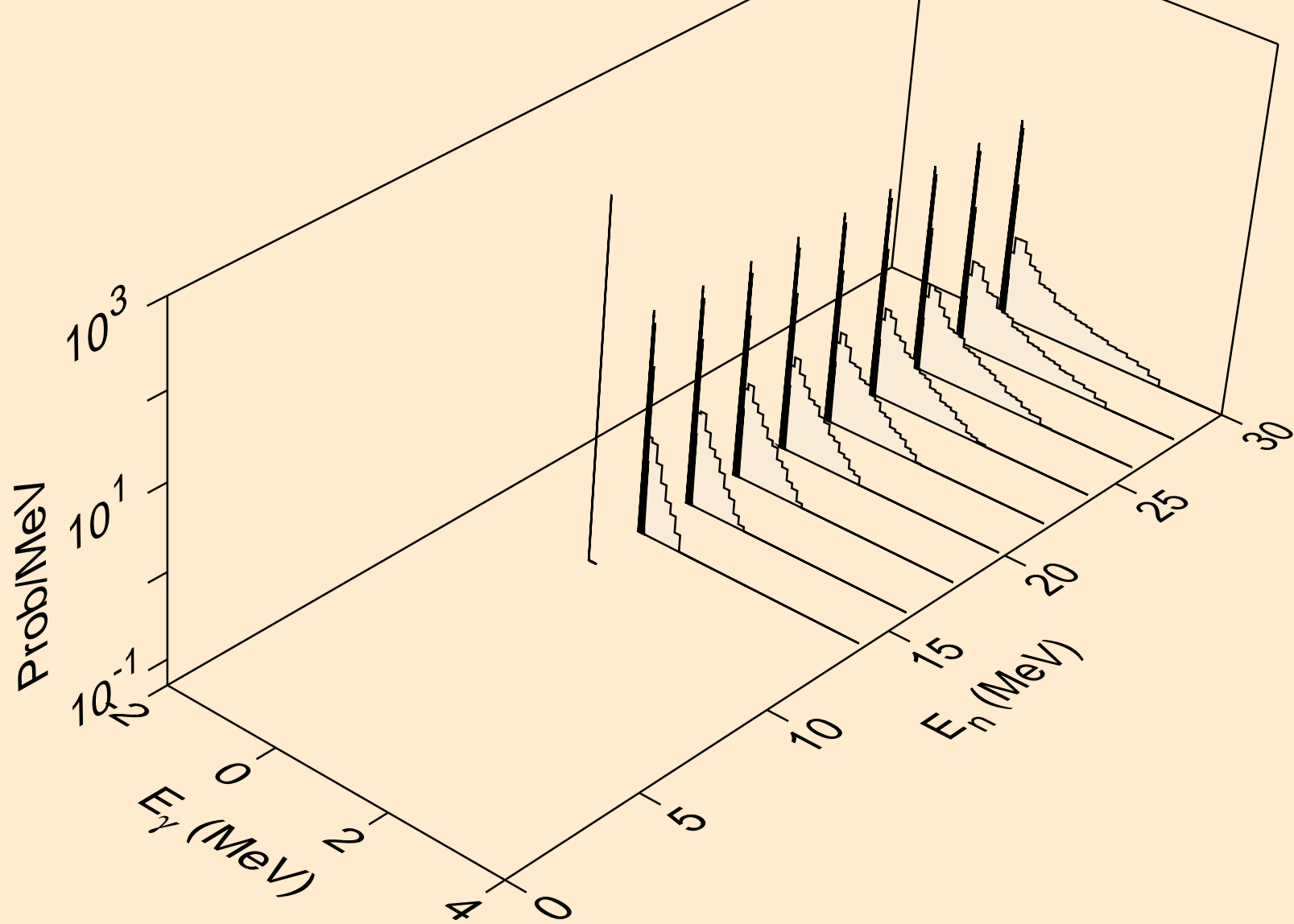
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Photon emission for (n,2a)



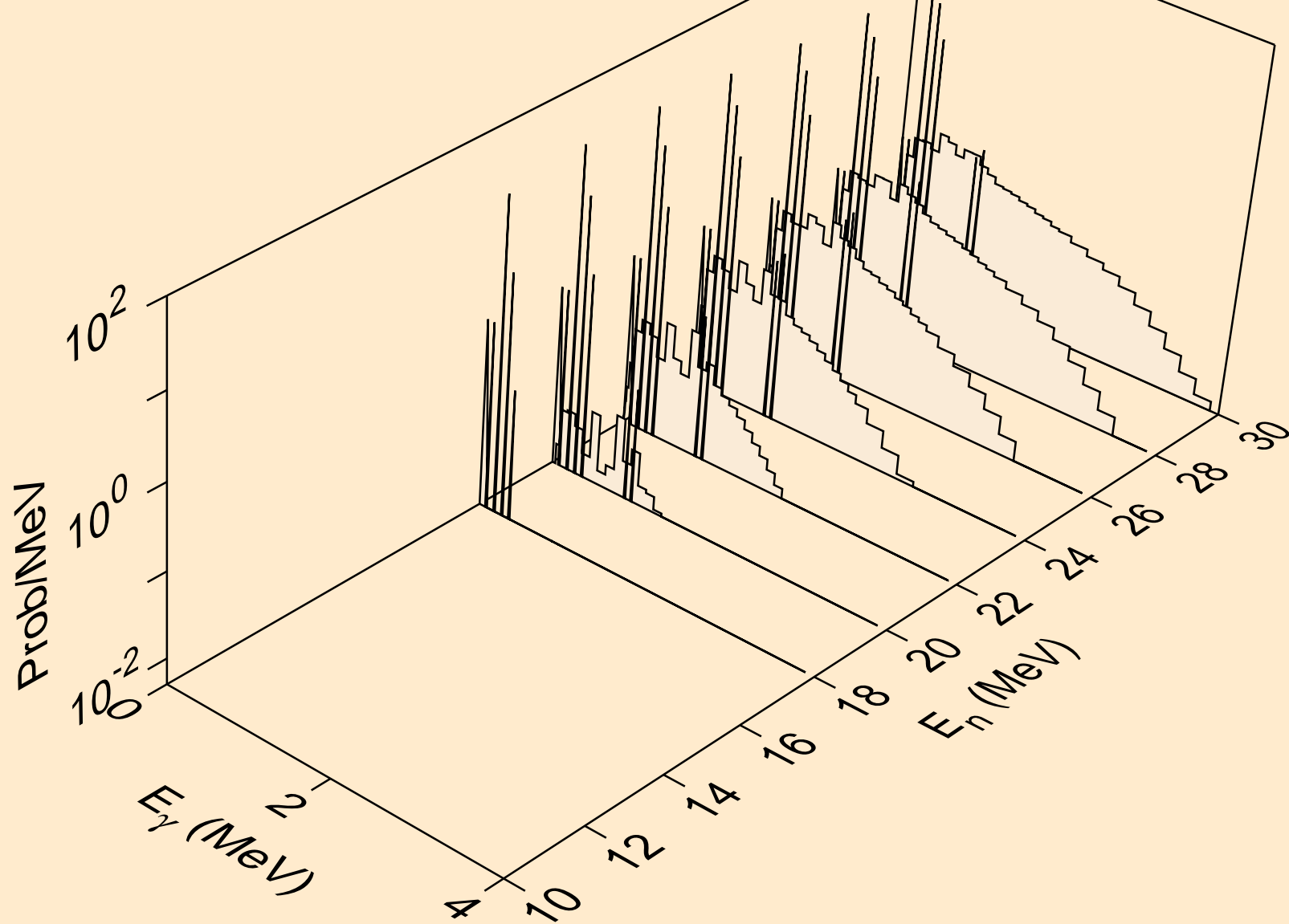
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Photon emission for (n,2p)



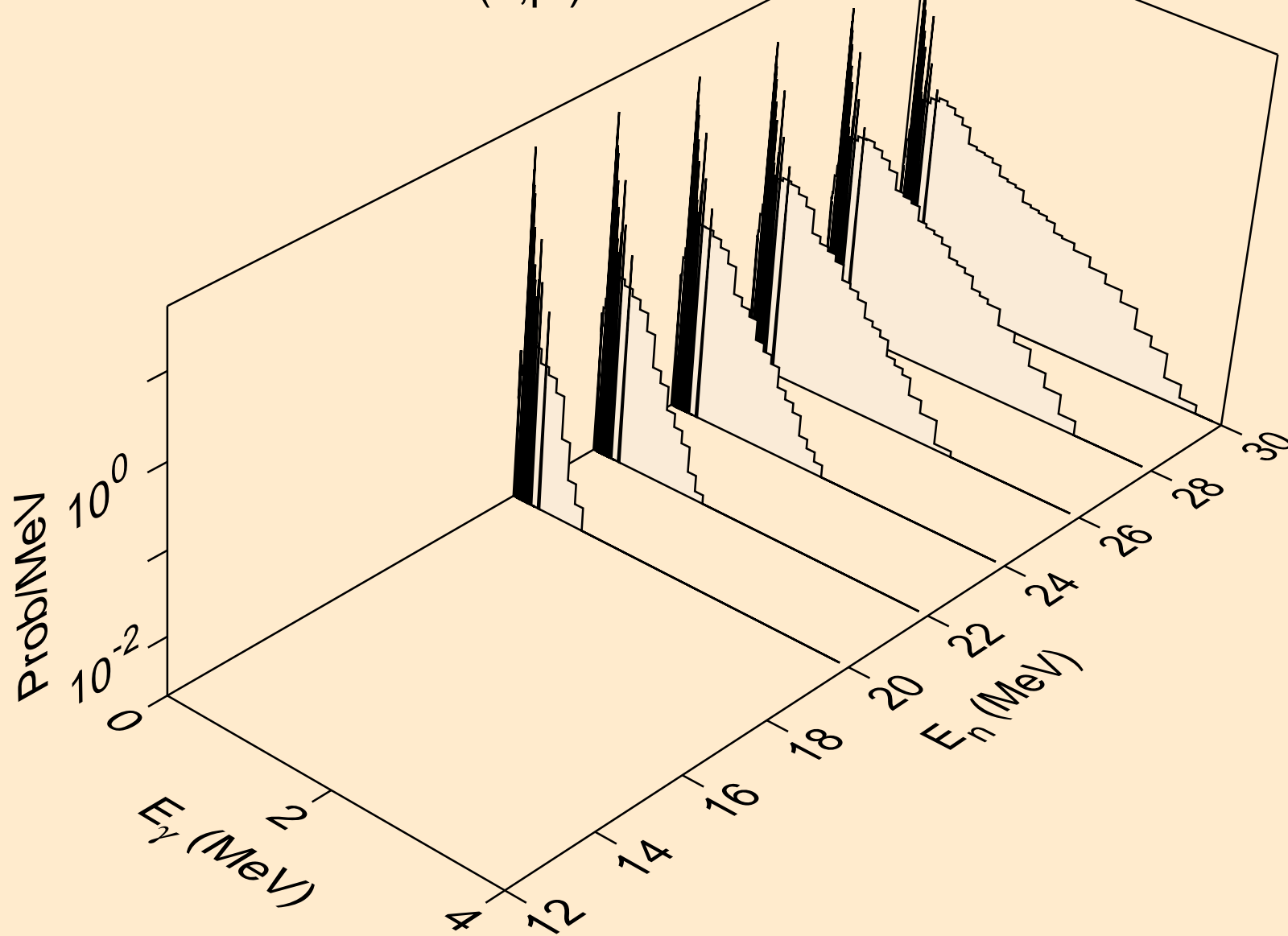
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Photon emission for (n,pa)



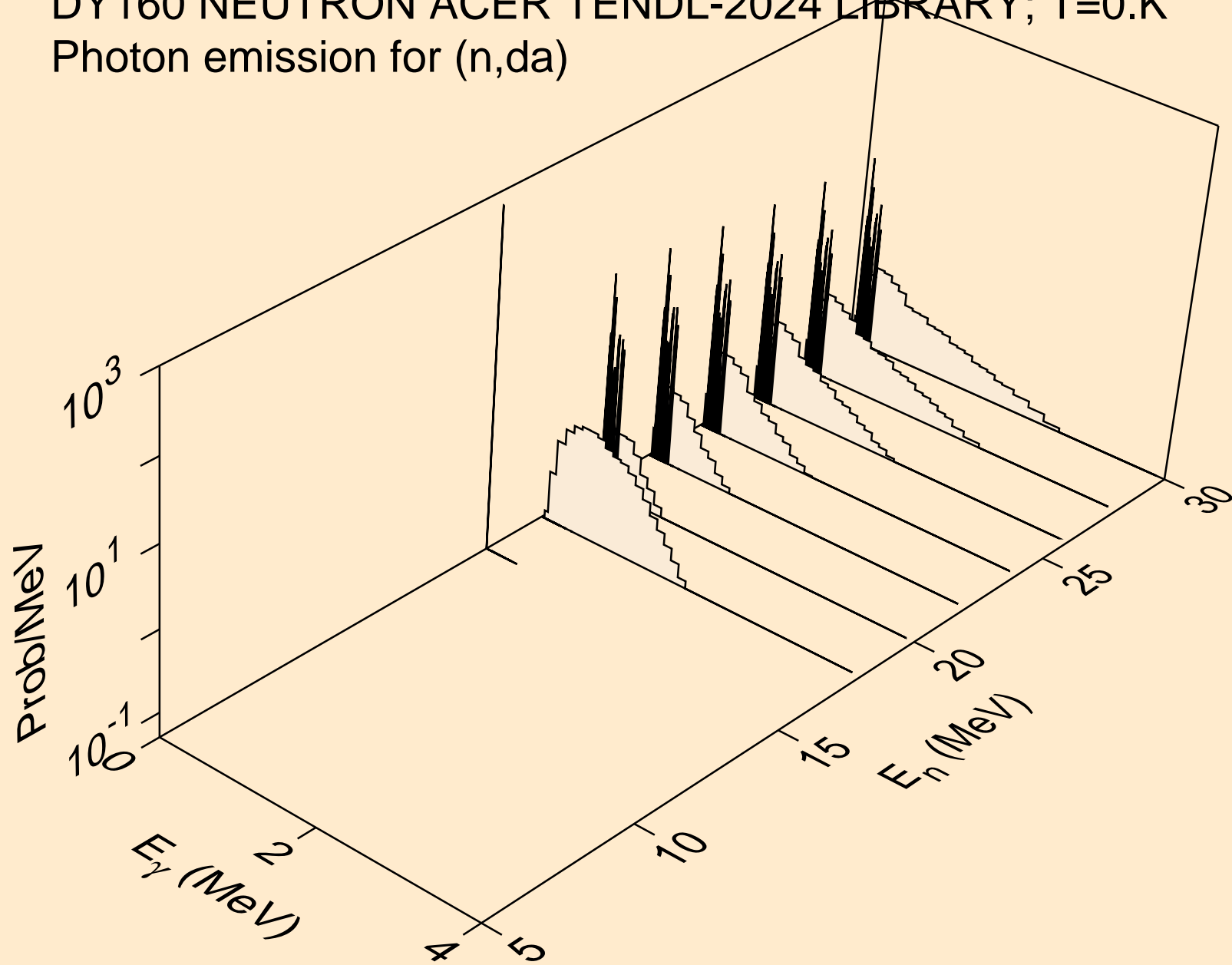
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Photon emission for (n,pd)



DY160 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pt)

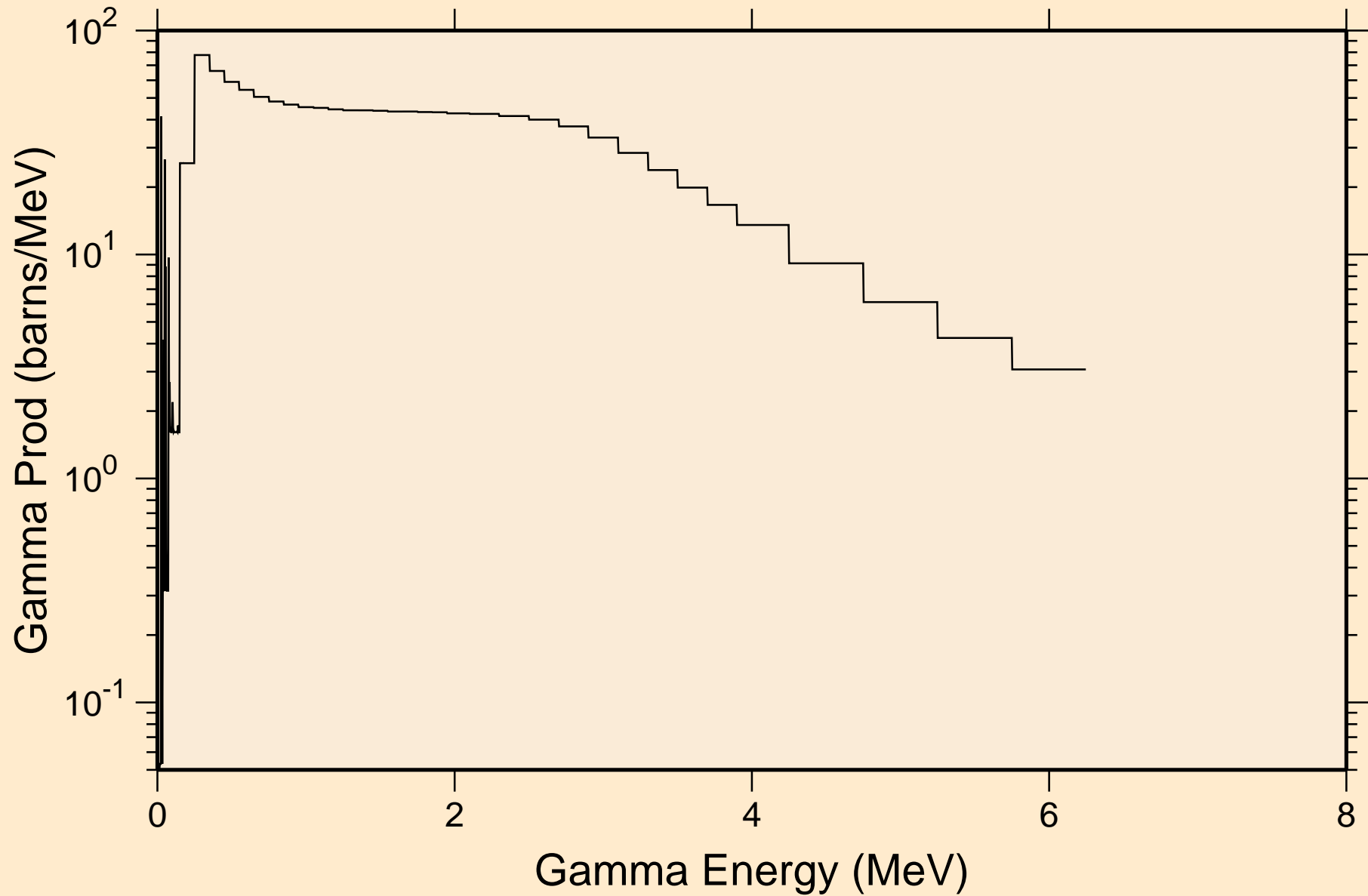


DY160 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,da)

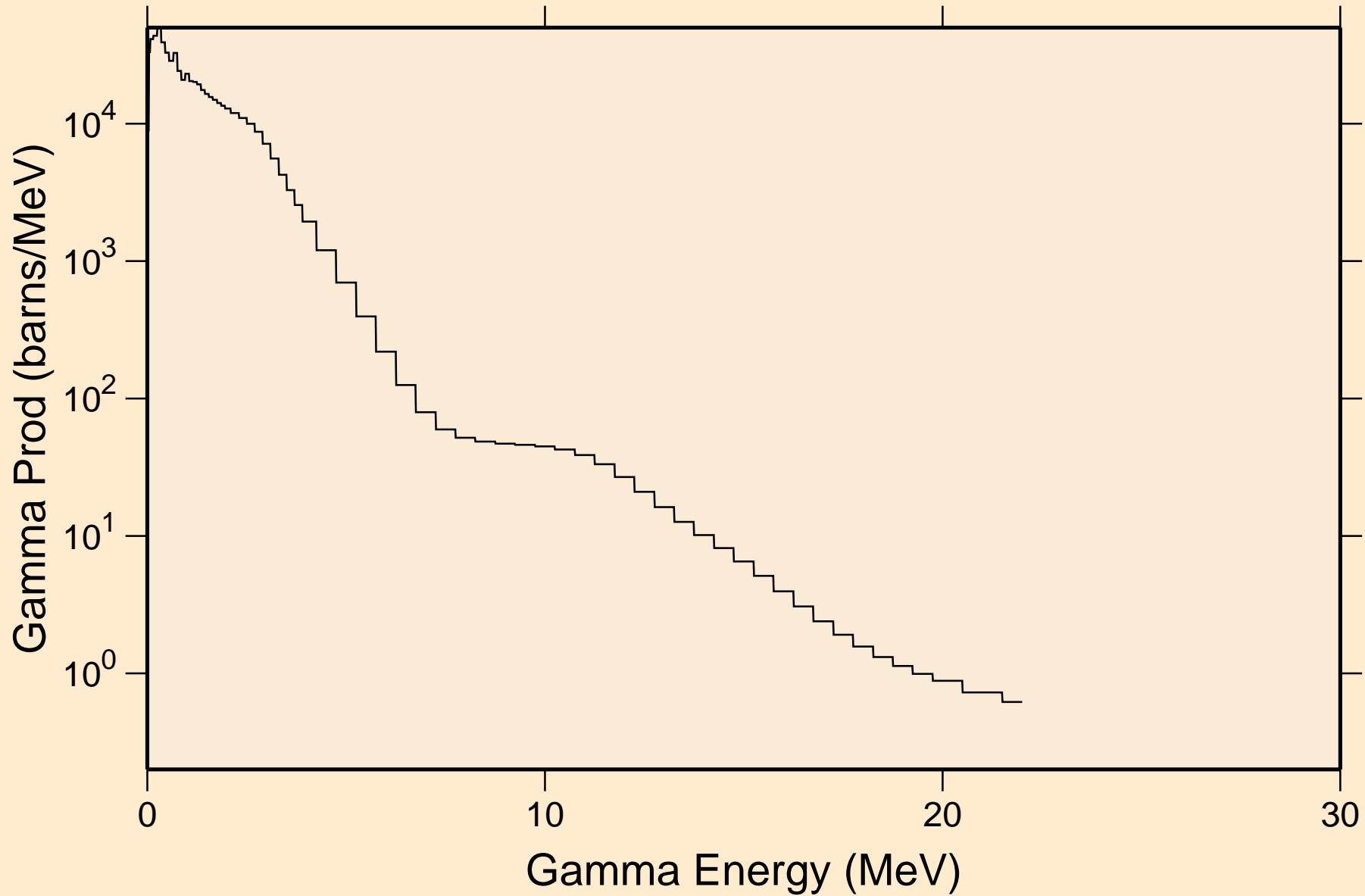




DY160 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
thermal capture photon spectrum

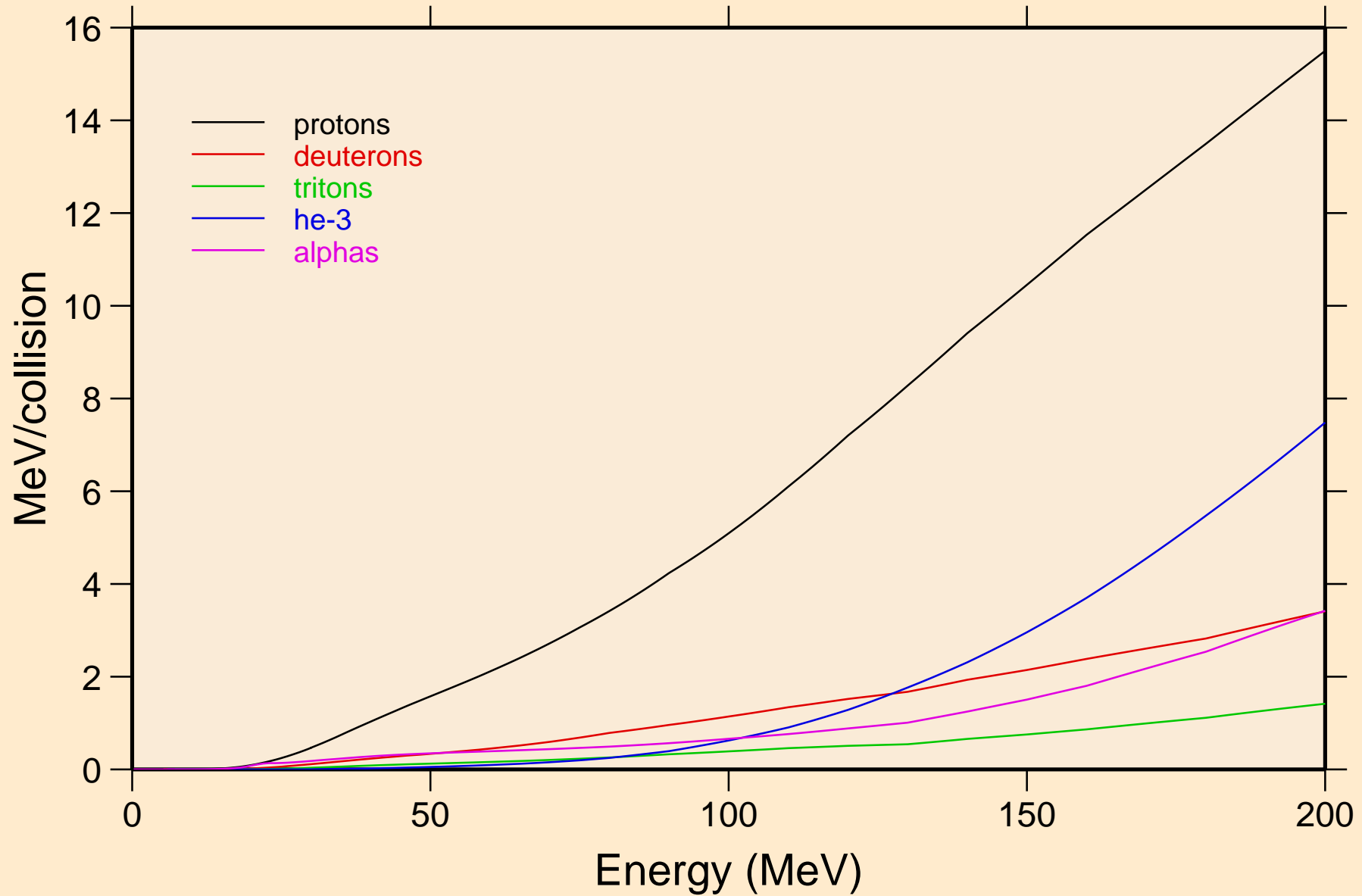


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14 MeV photon spectrum

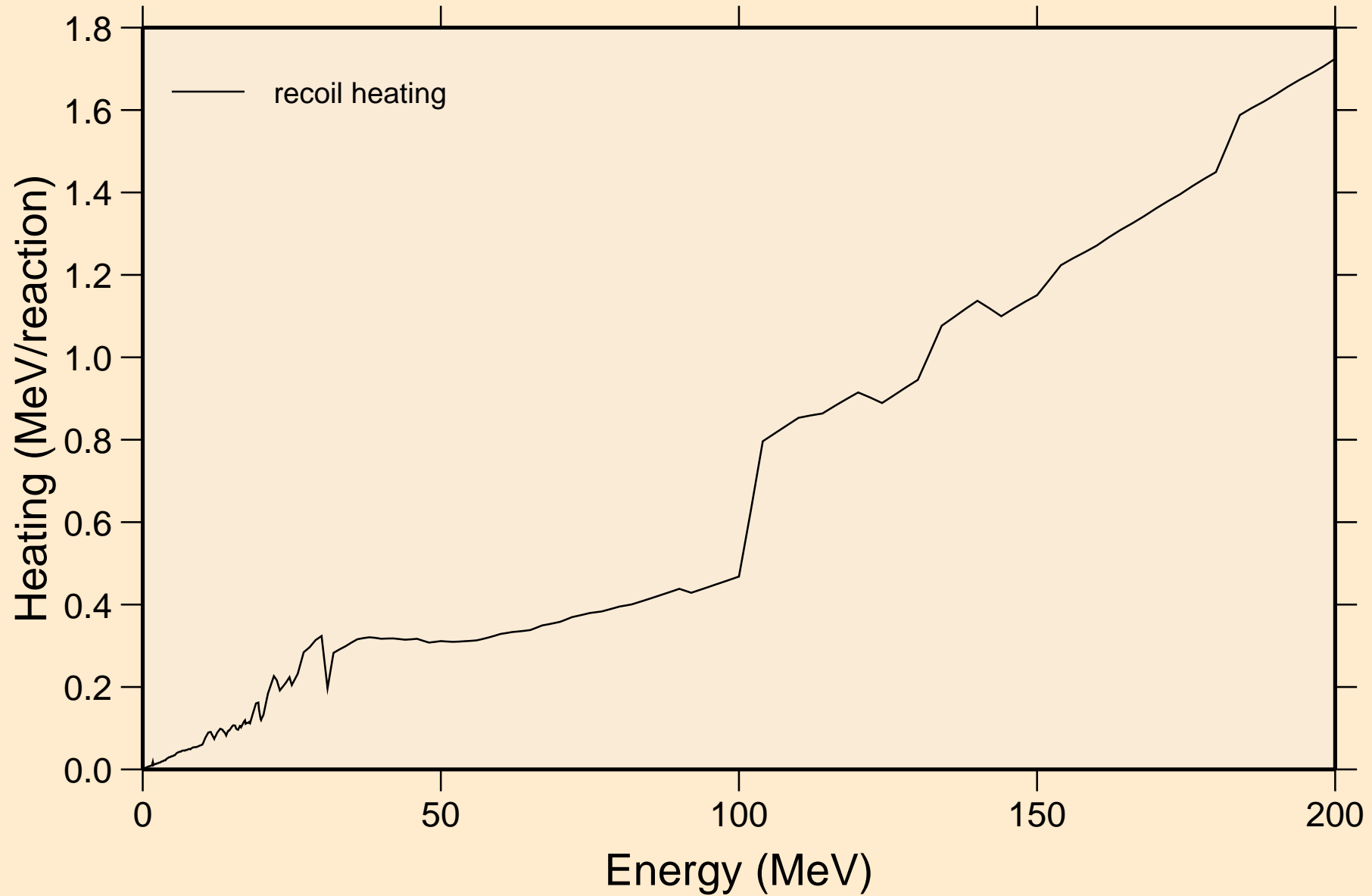


# DY160 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

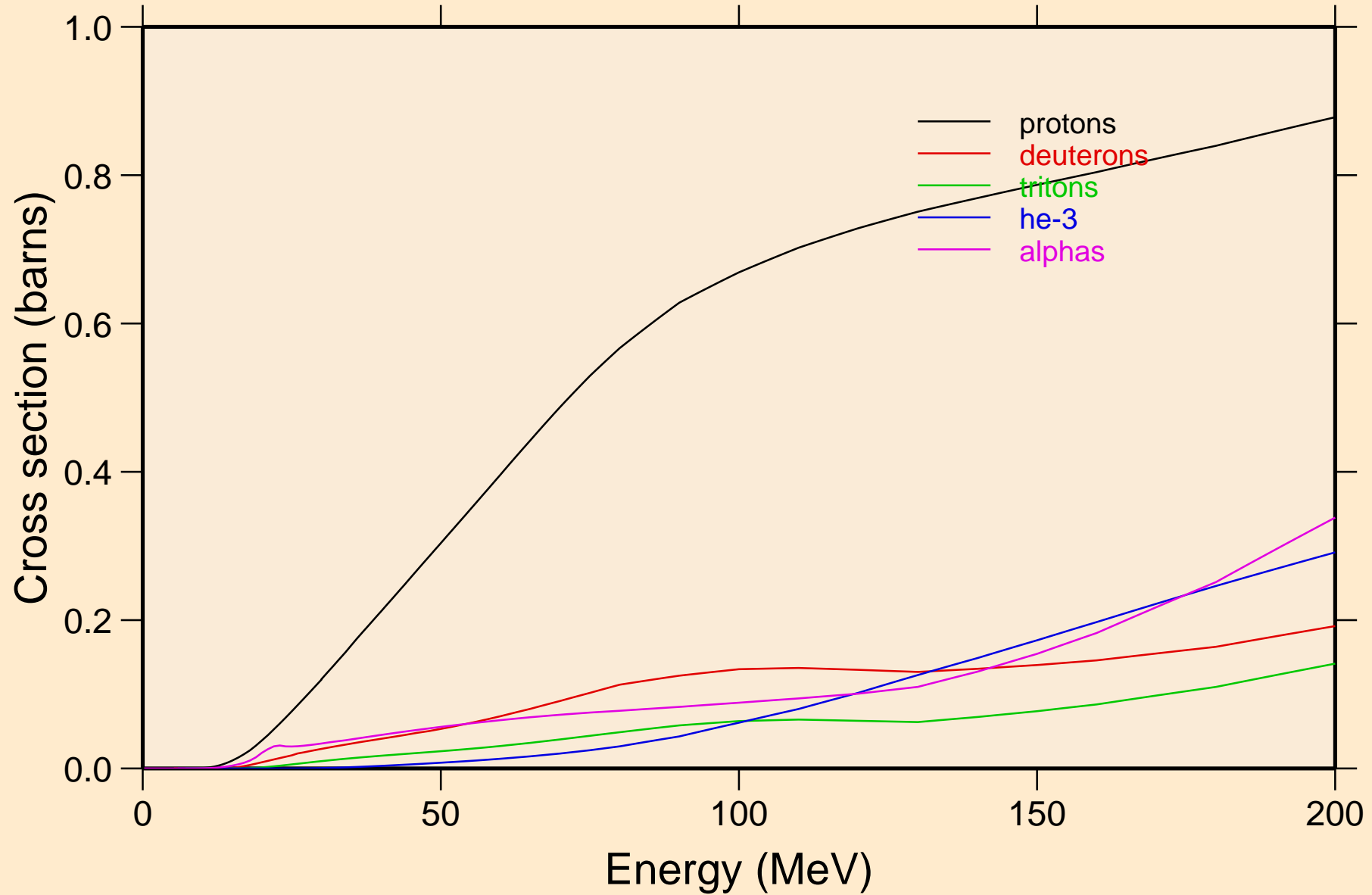
## Particle heating contributions



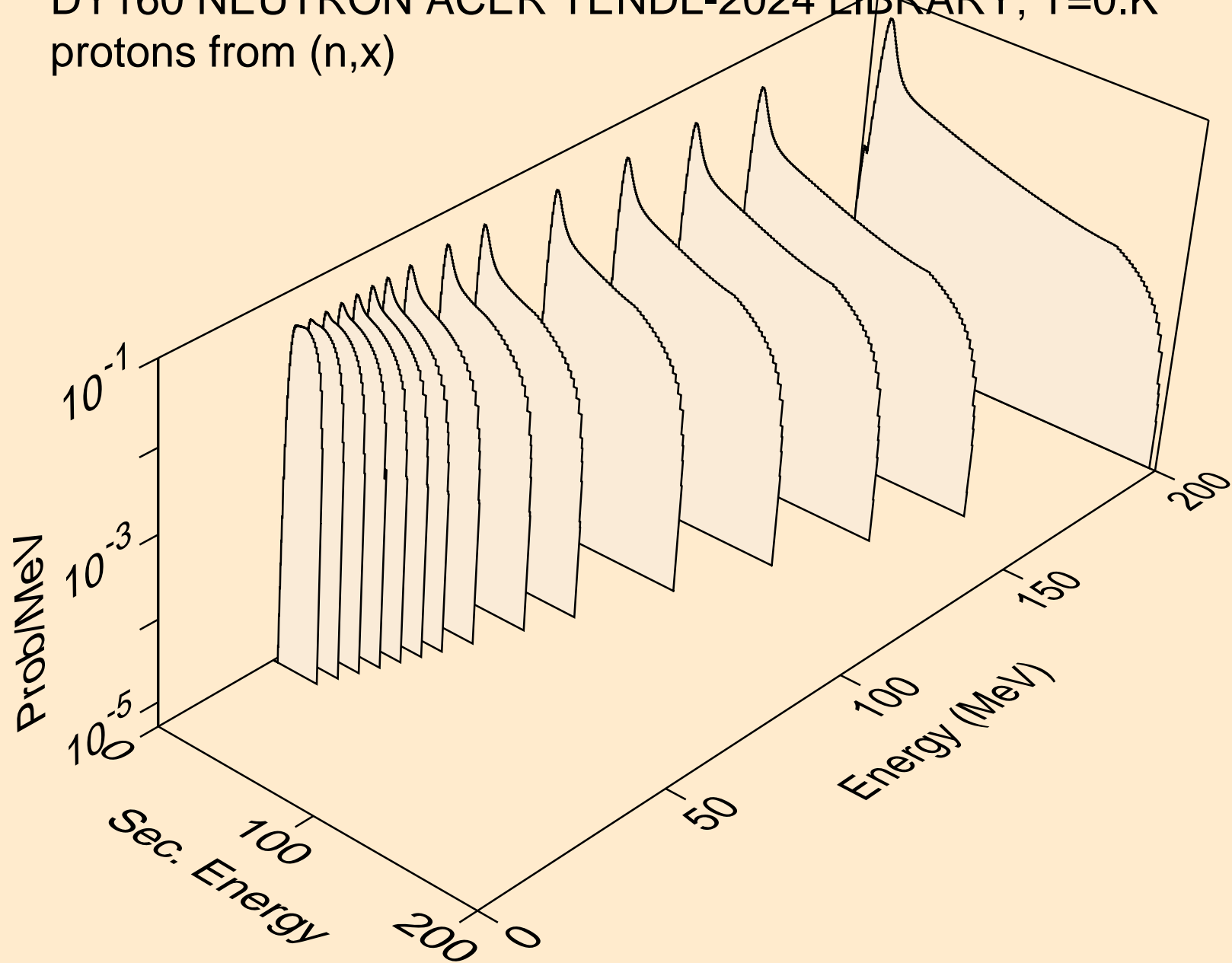
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Recoil Heating



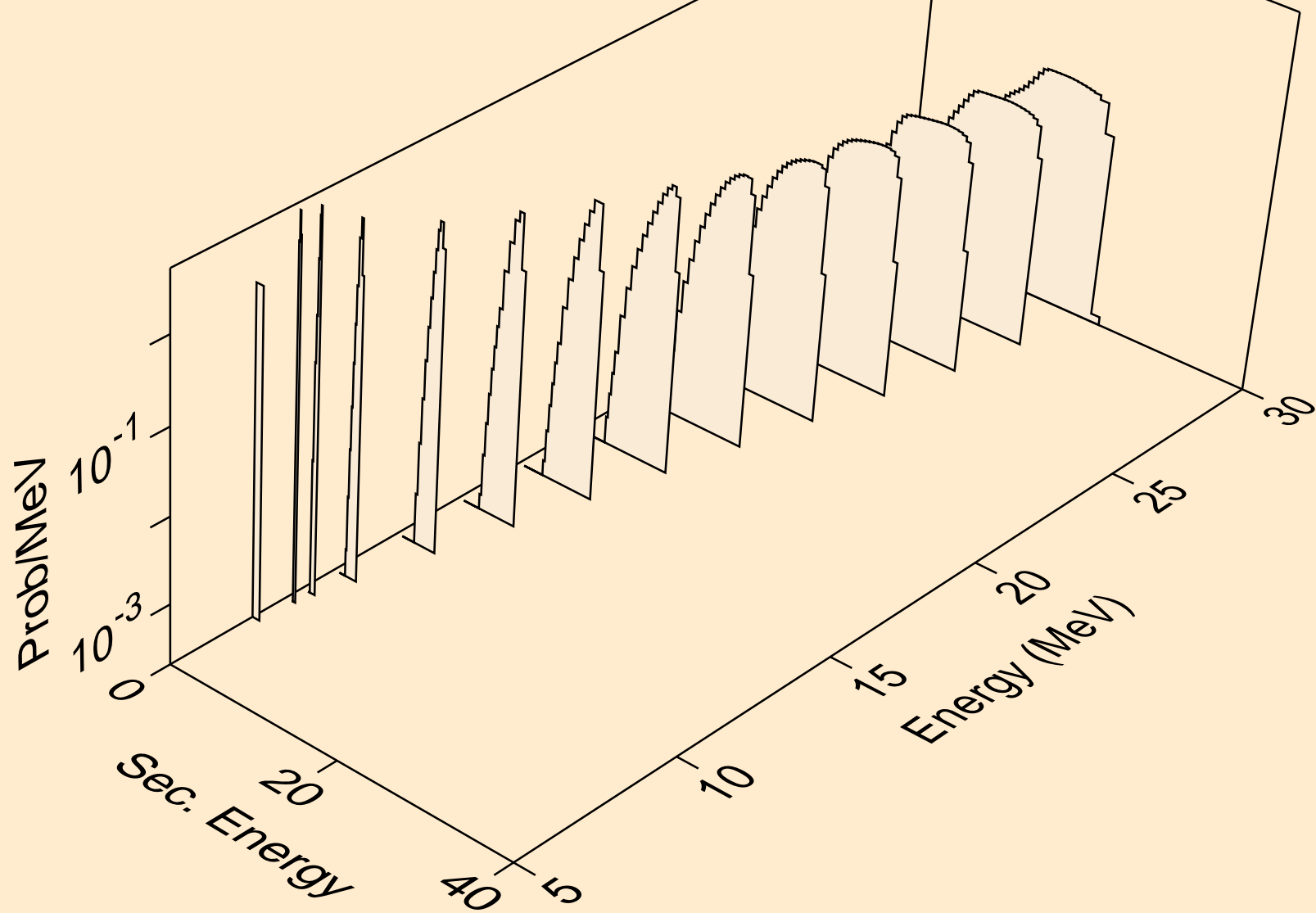
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Particle production cross sections



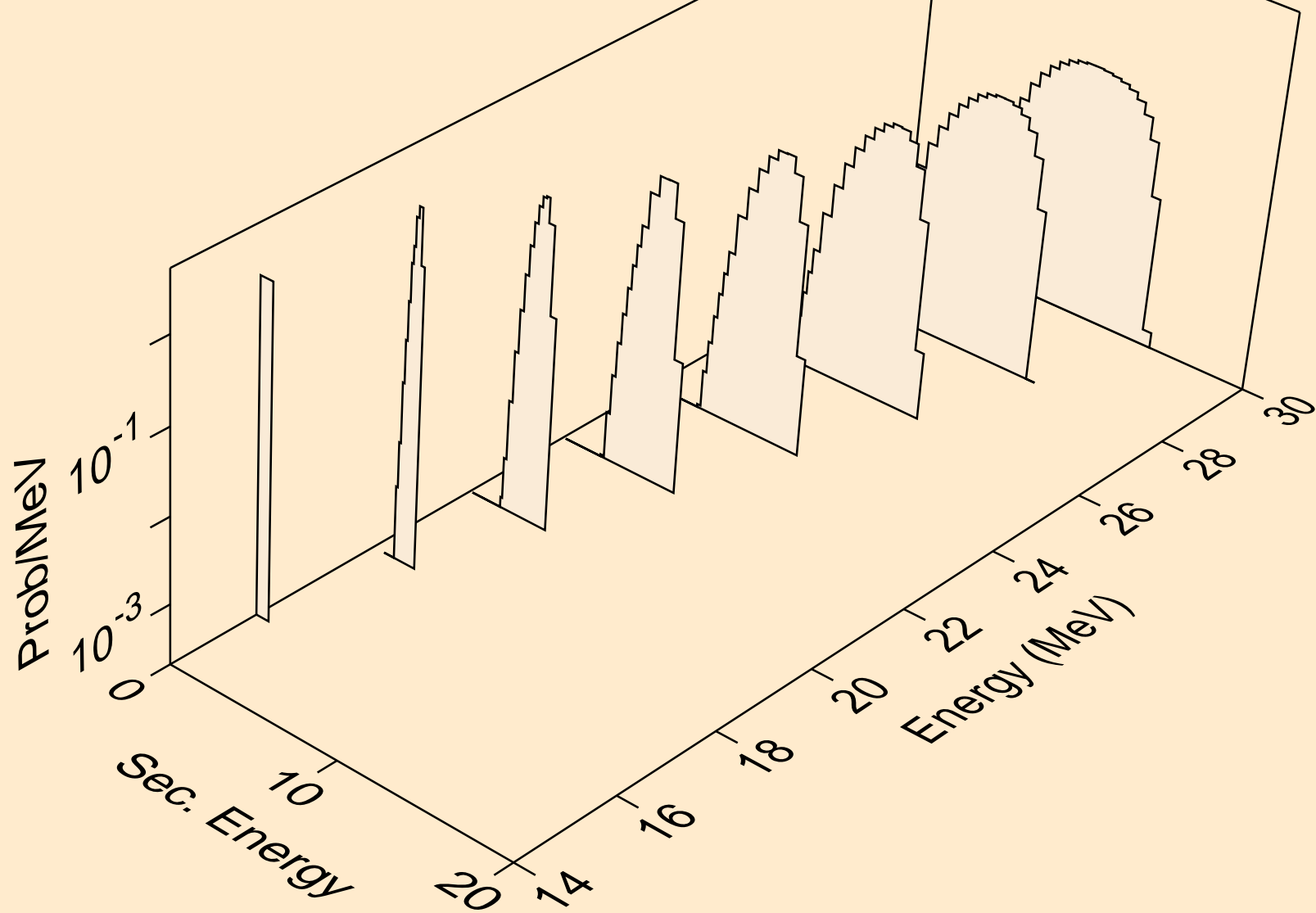
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protons from (n,x)



DY160 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,n\*)p

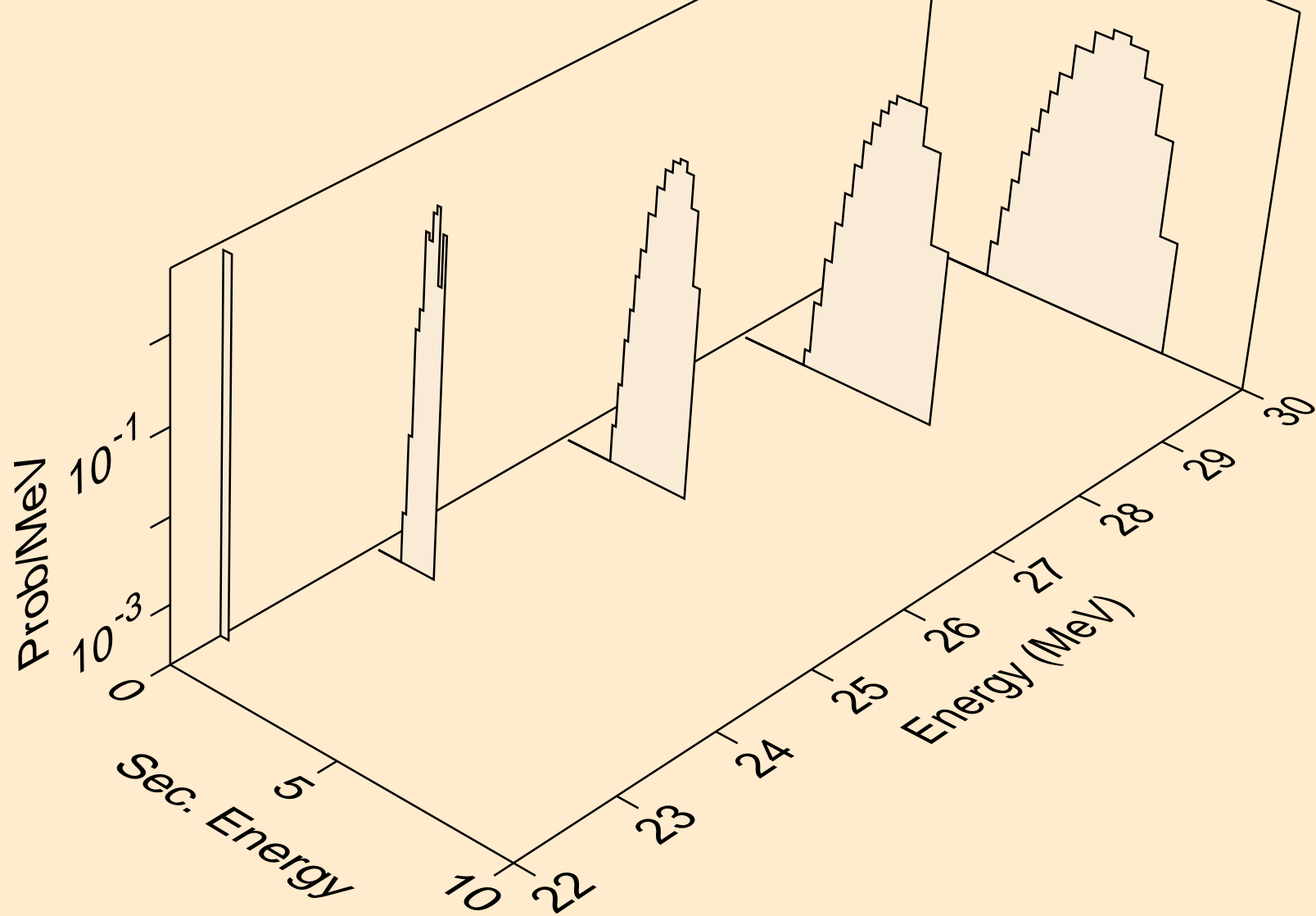


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protons from (n,2np)

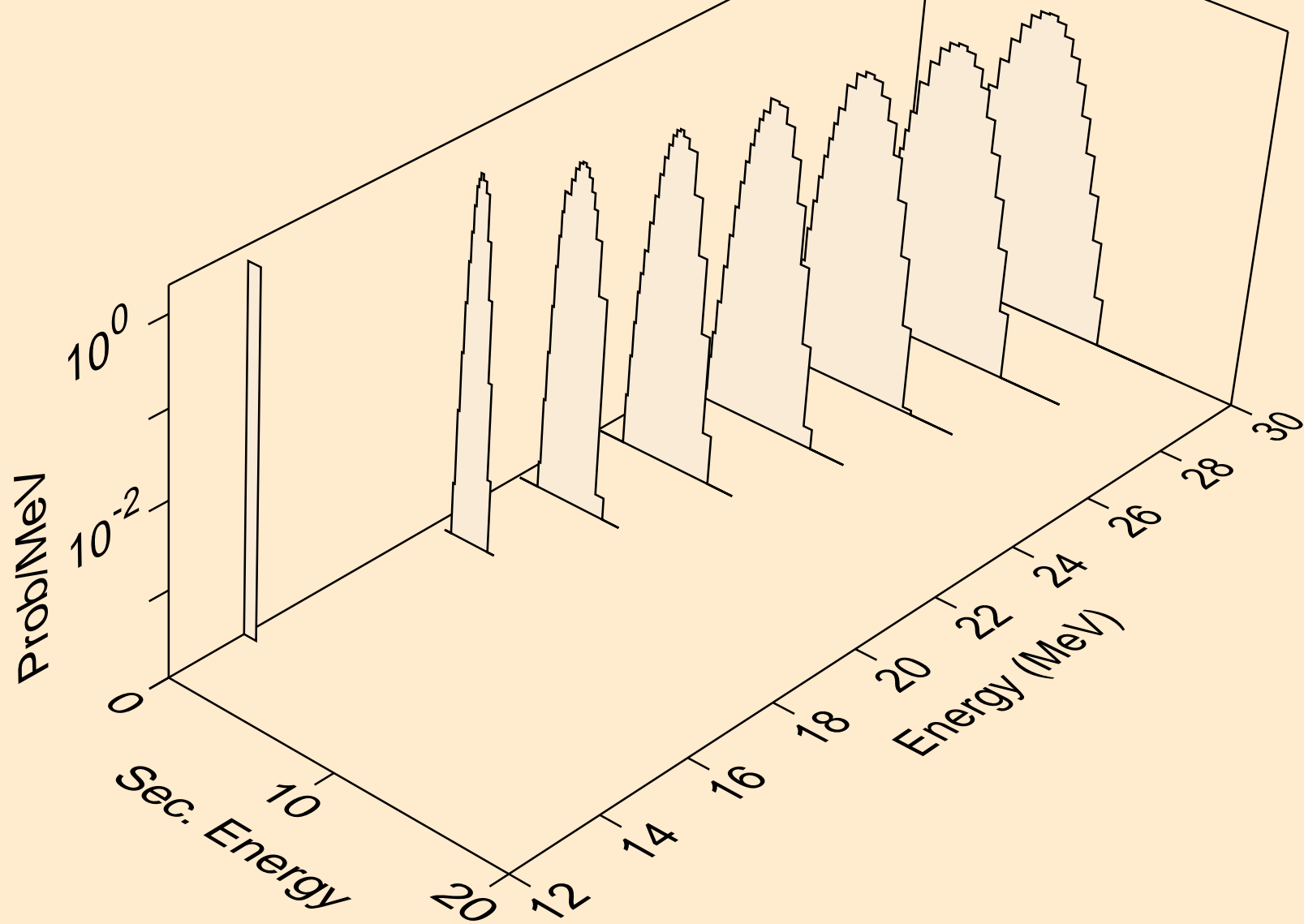




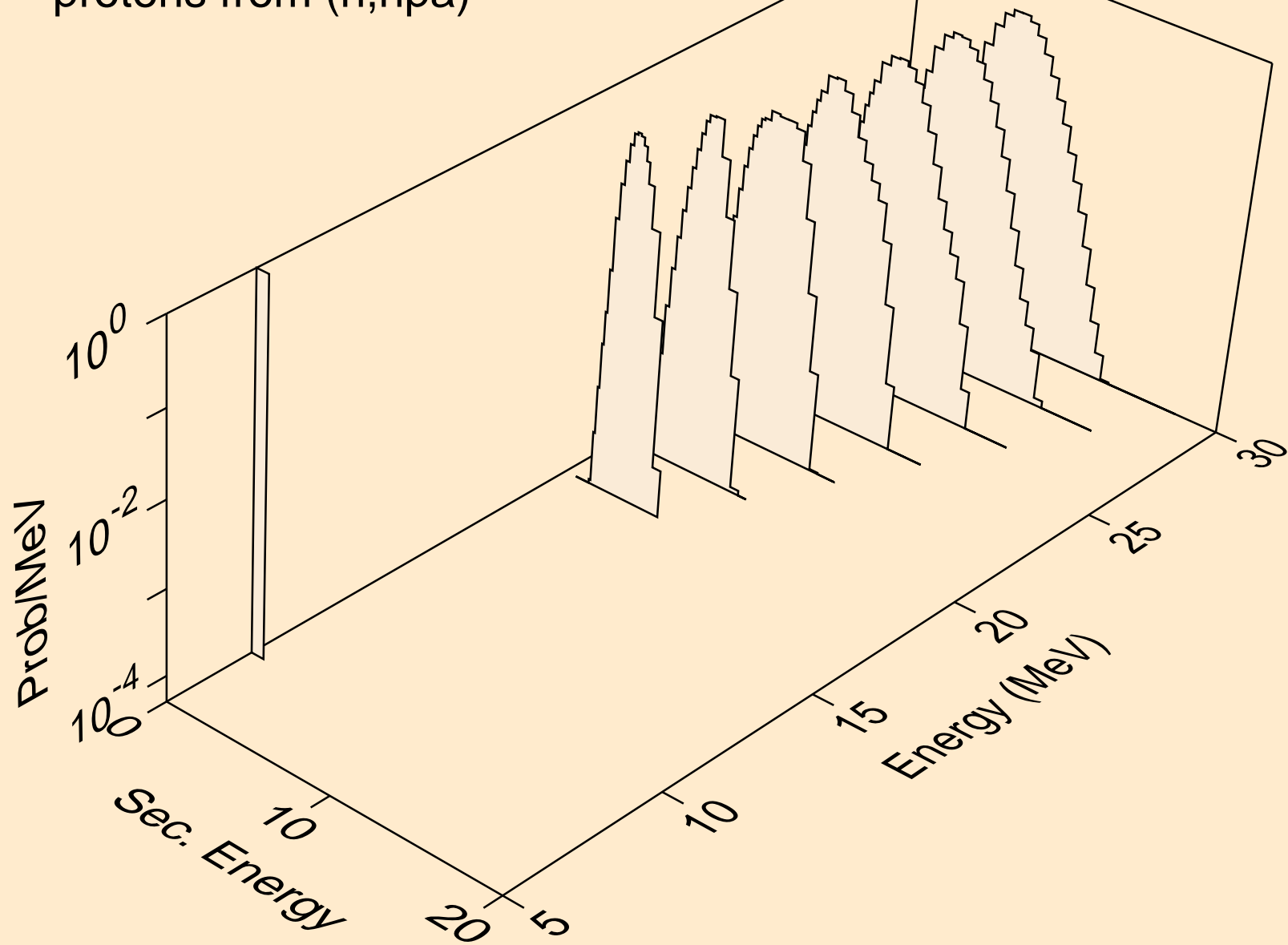
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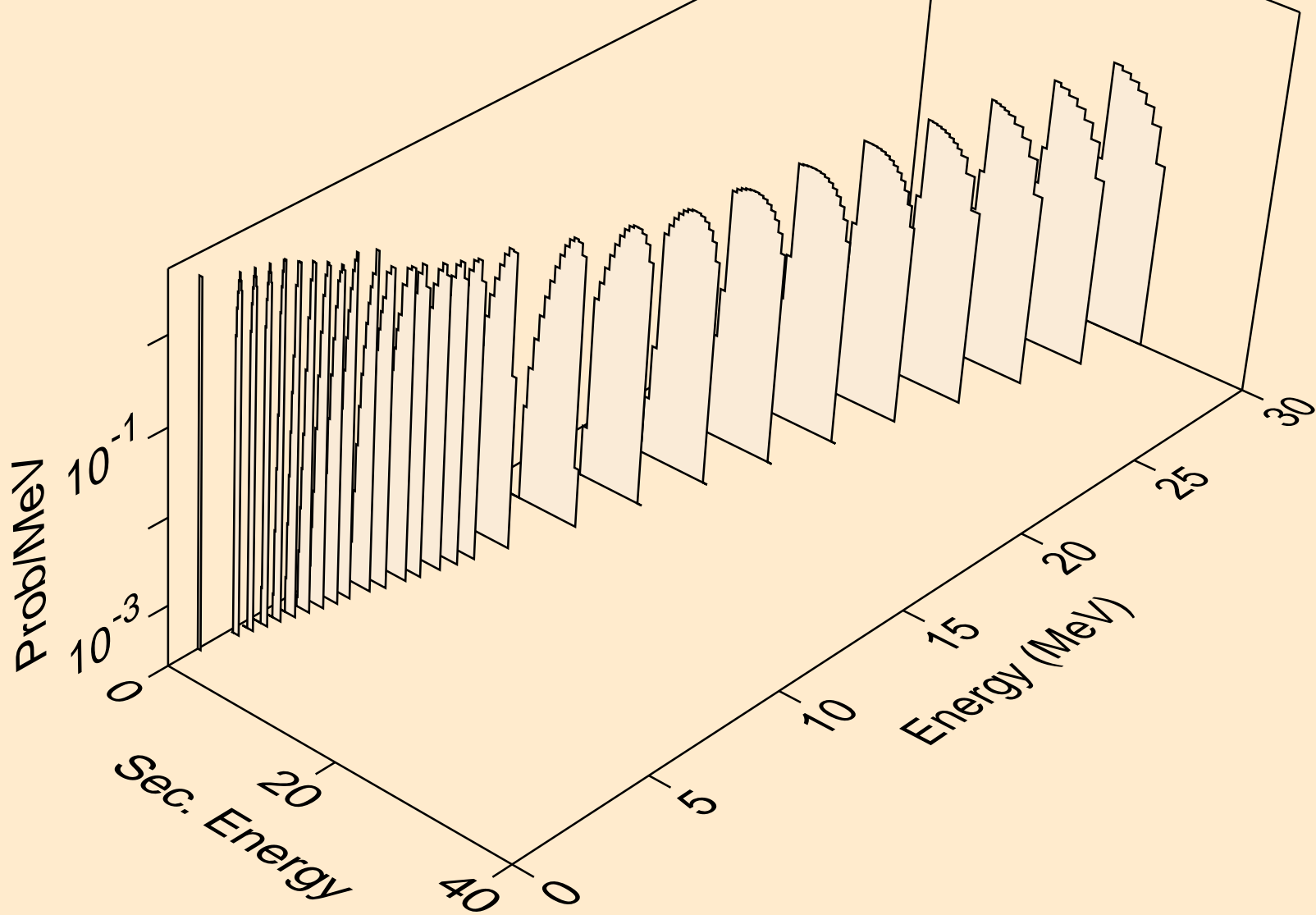
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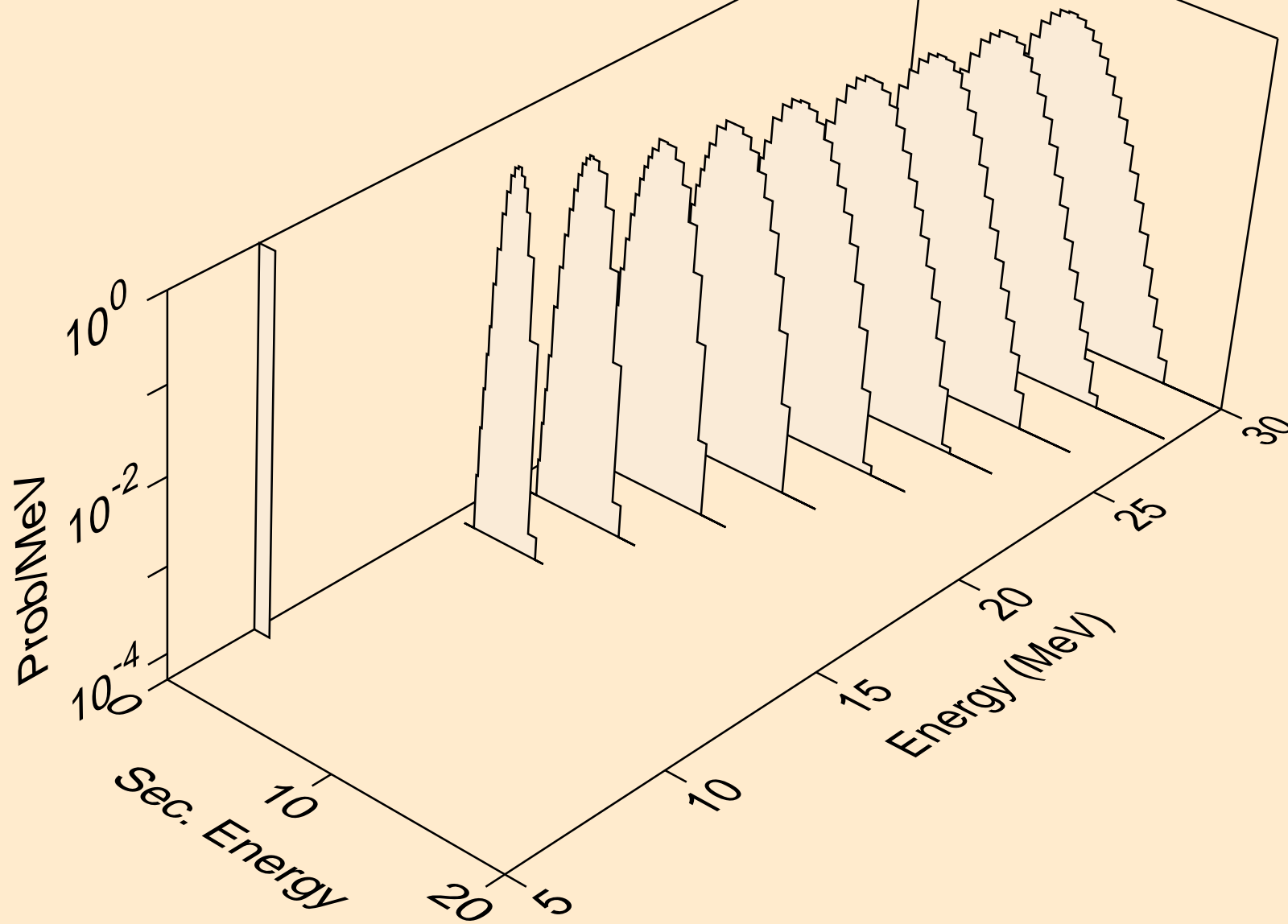
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protons from (n,npa)



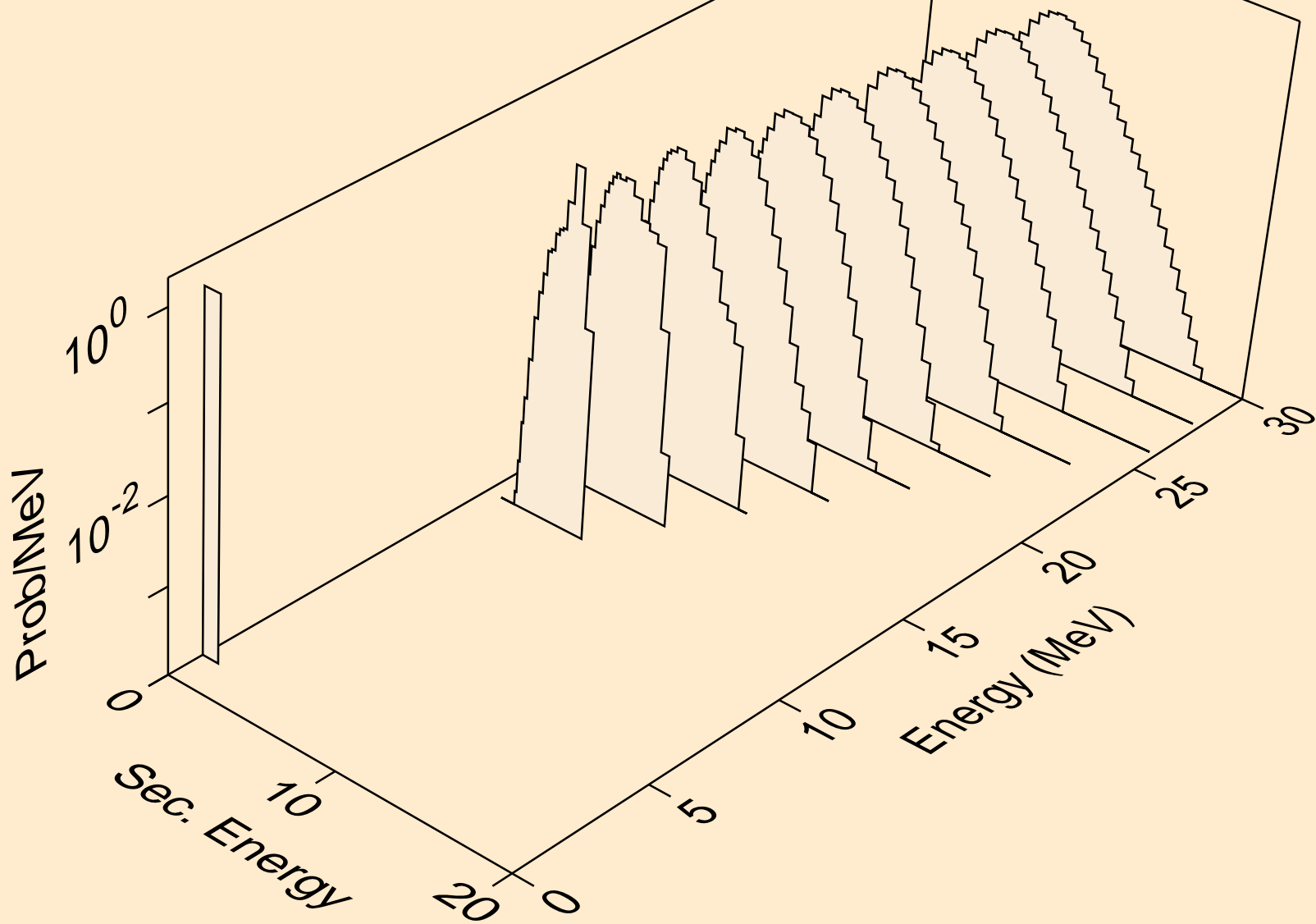
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protons from (n,p)



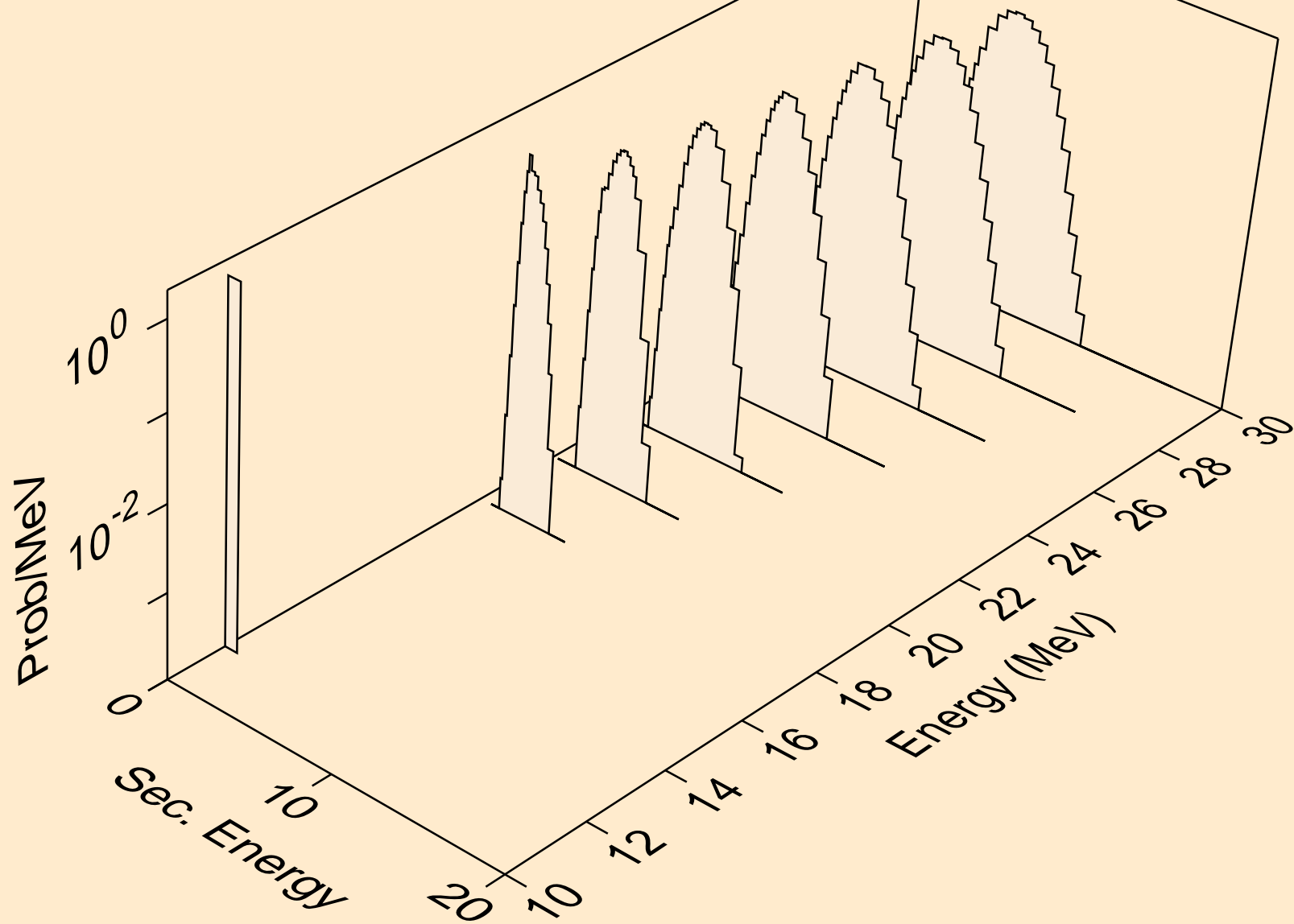
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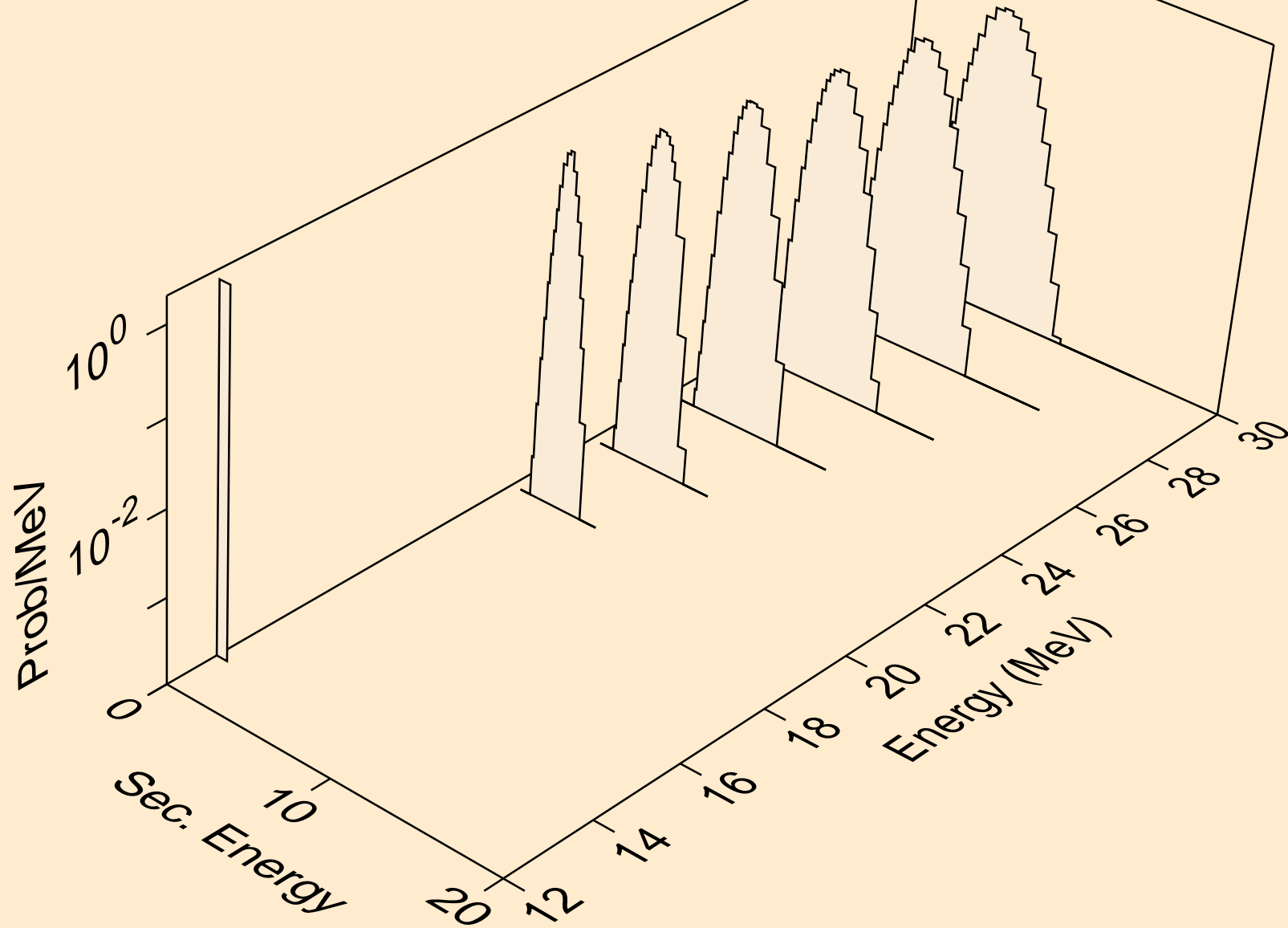
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protons from (n,p)



DY160 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,pd)

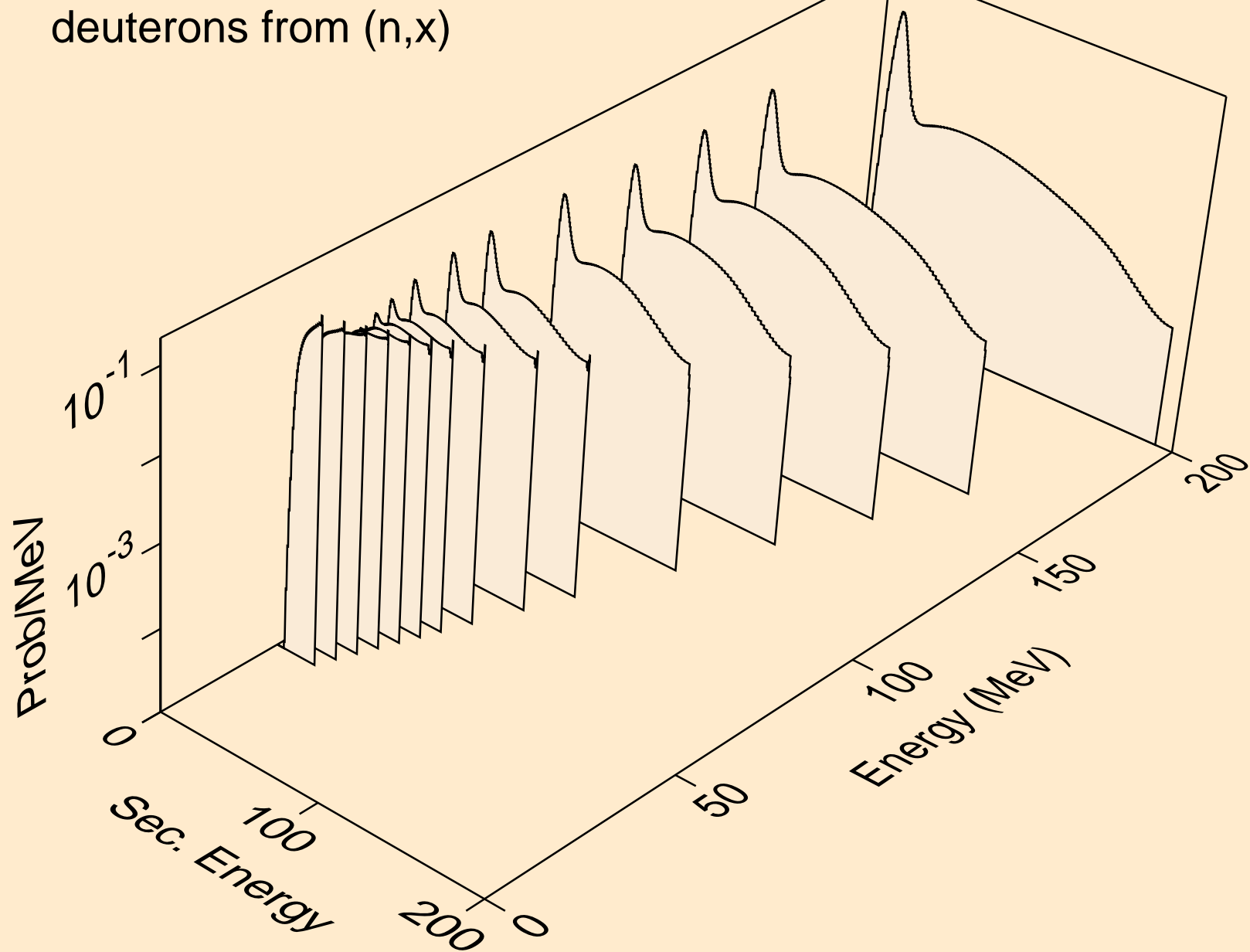


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protons from (n,pt)

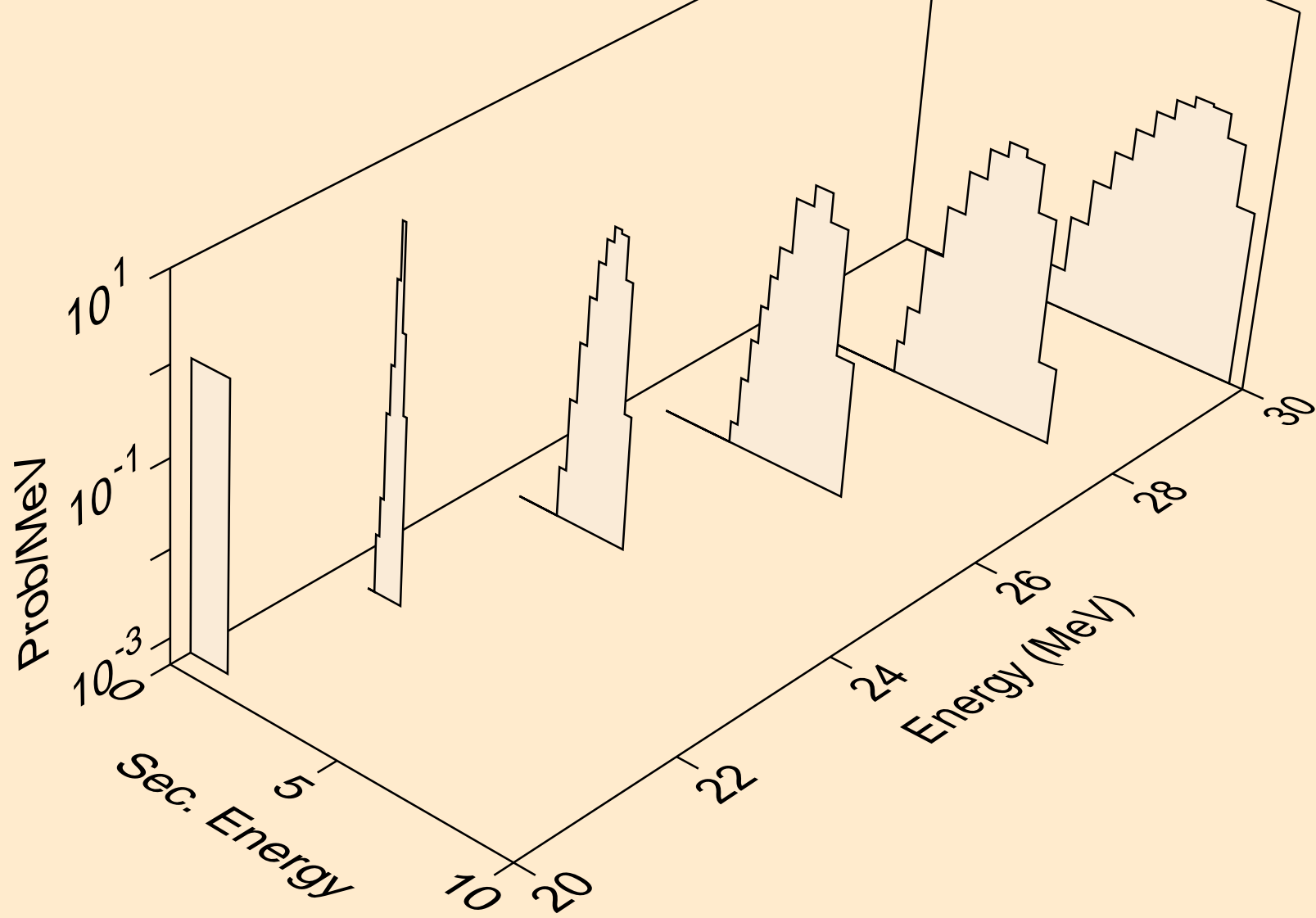




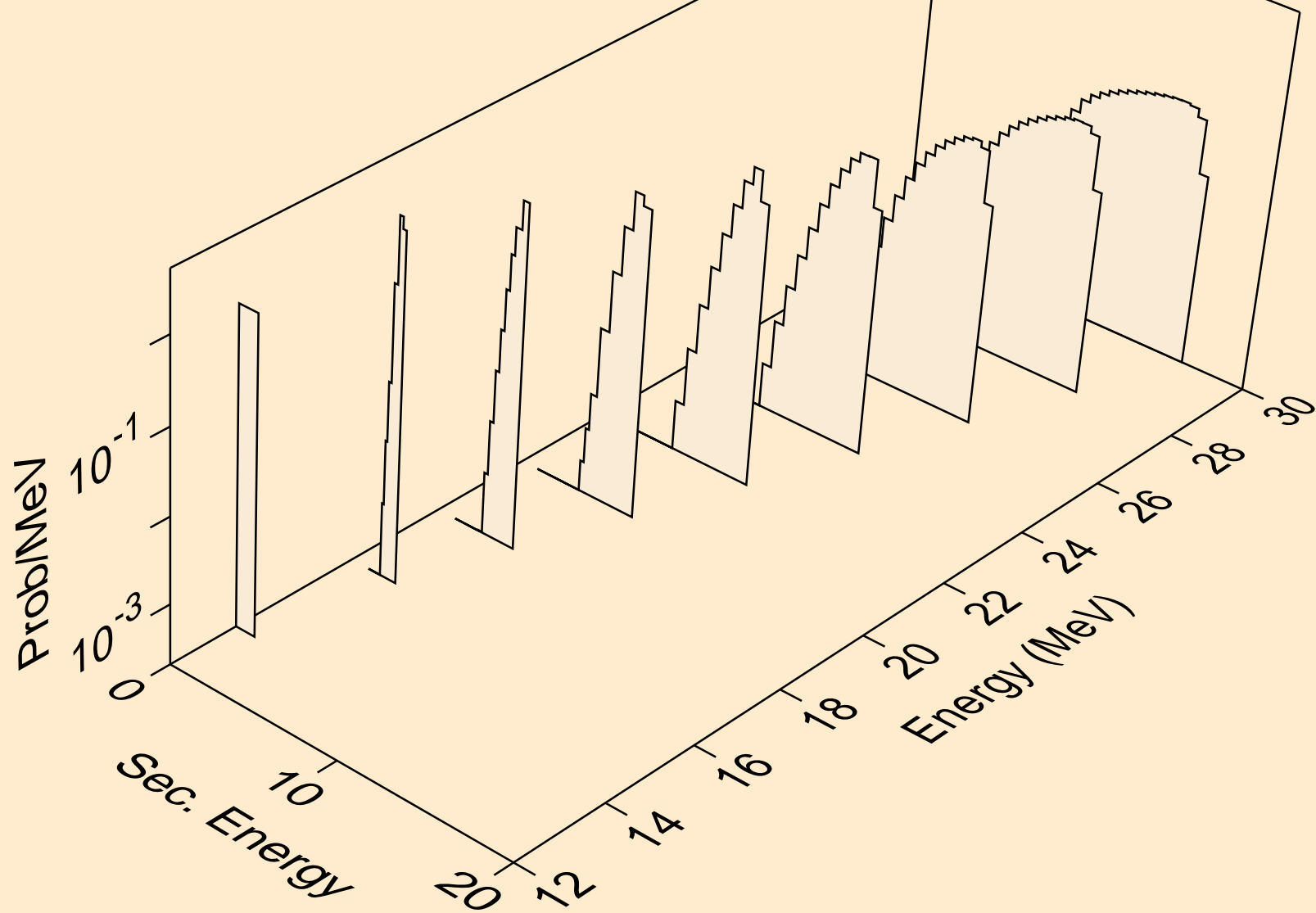
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deuterons from (n,x)



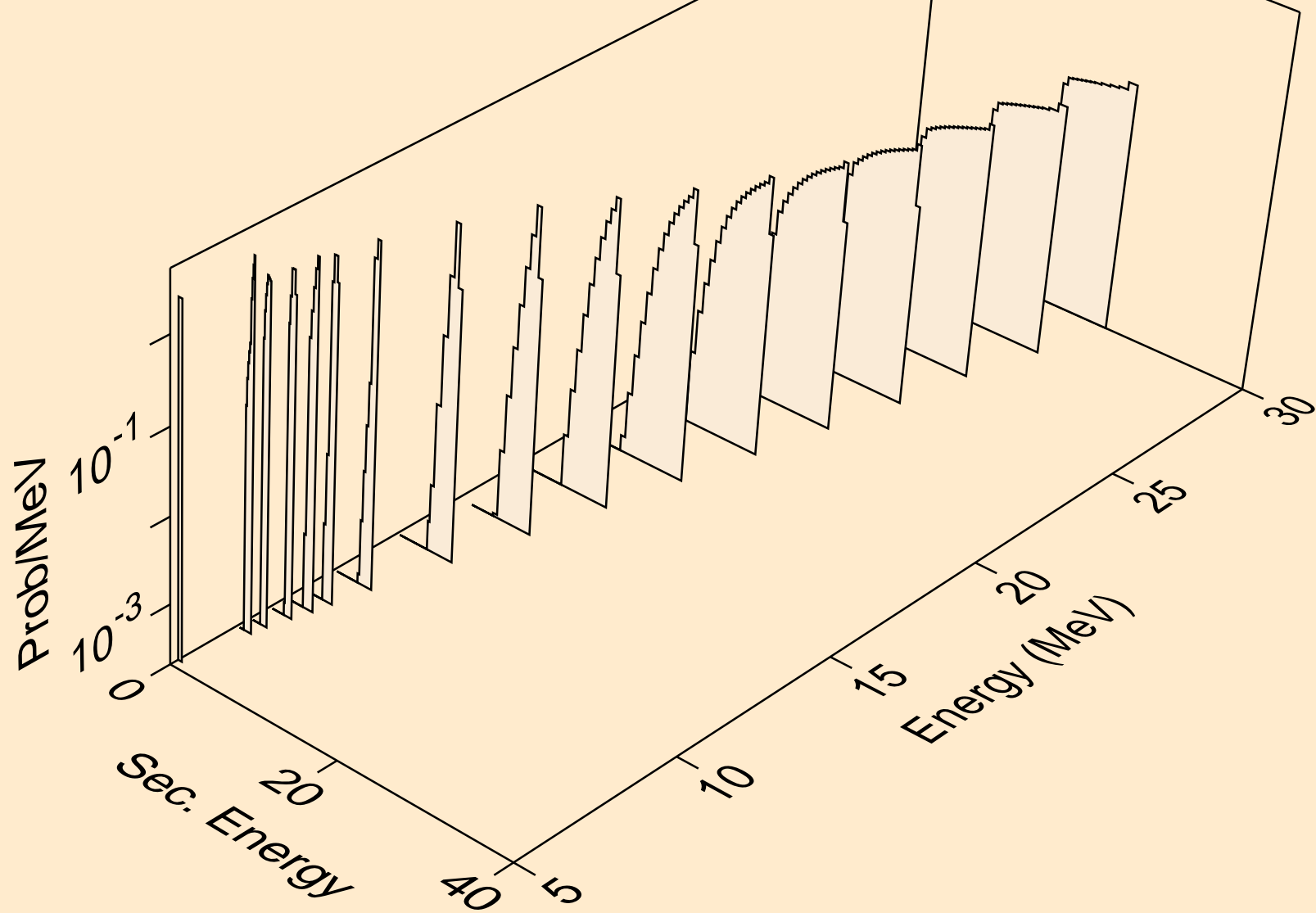
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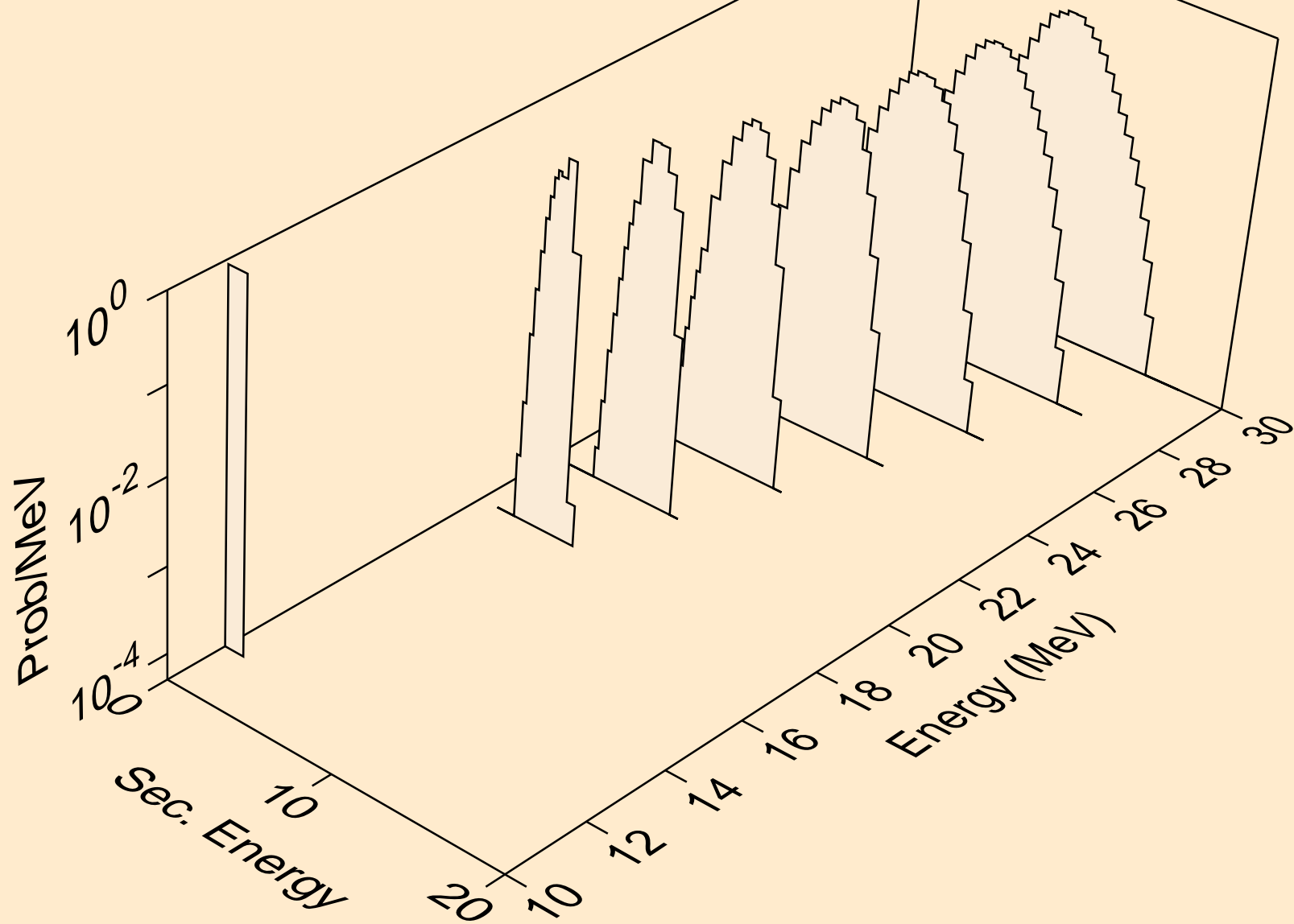
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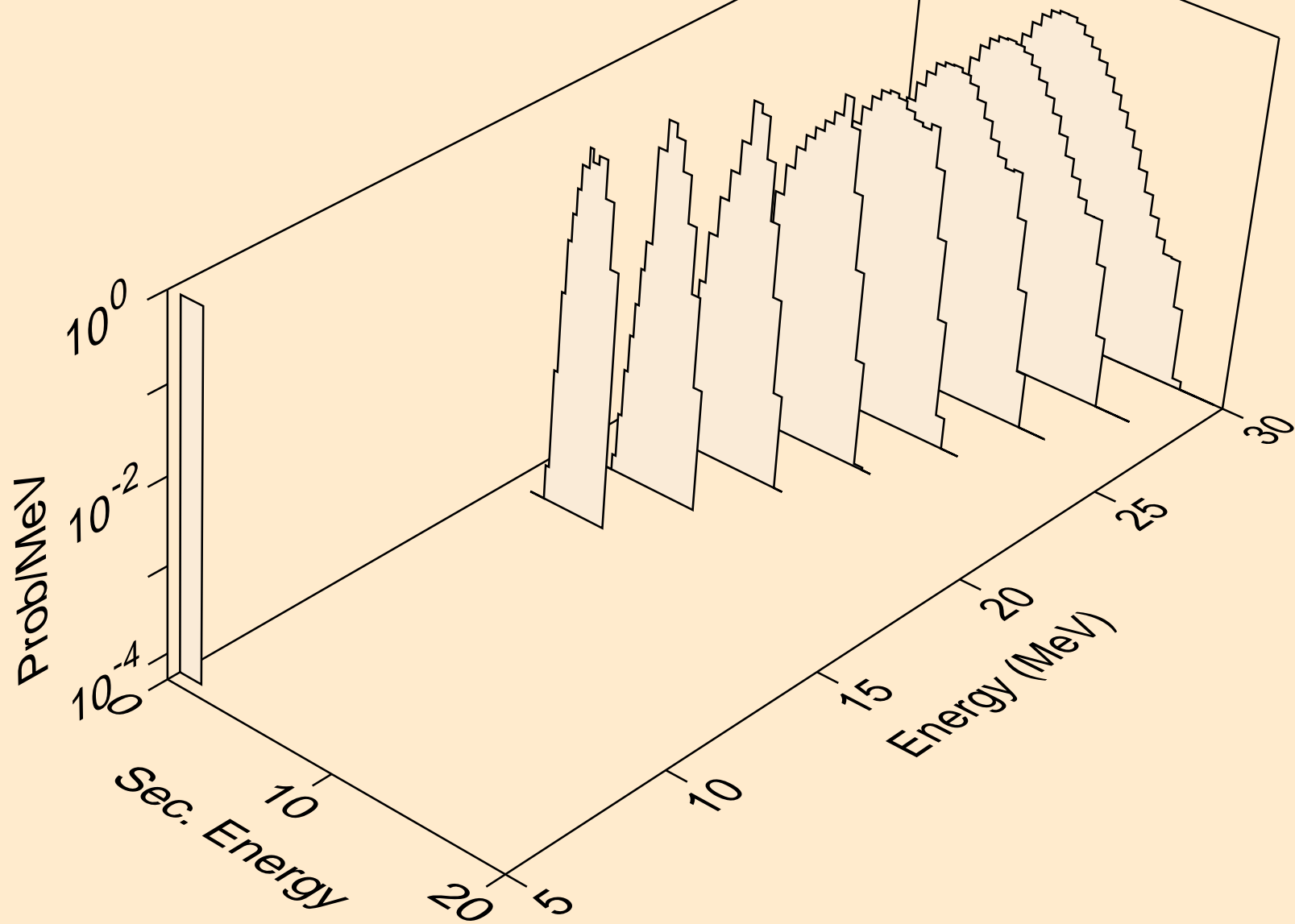
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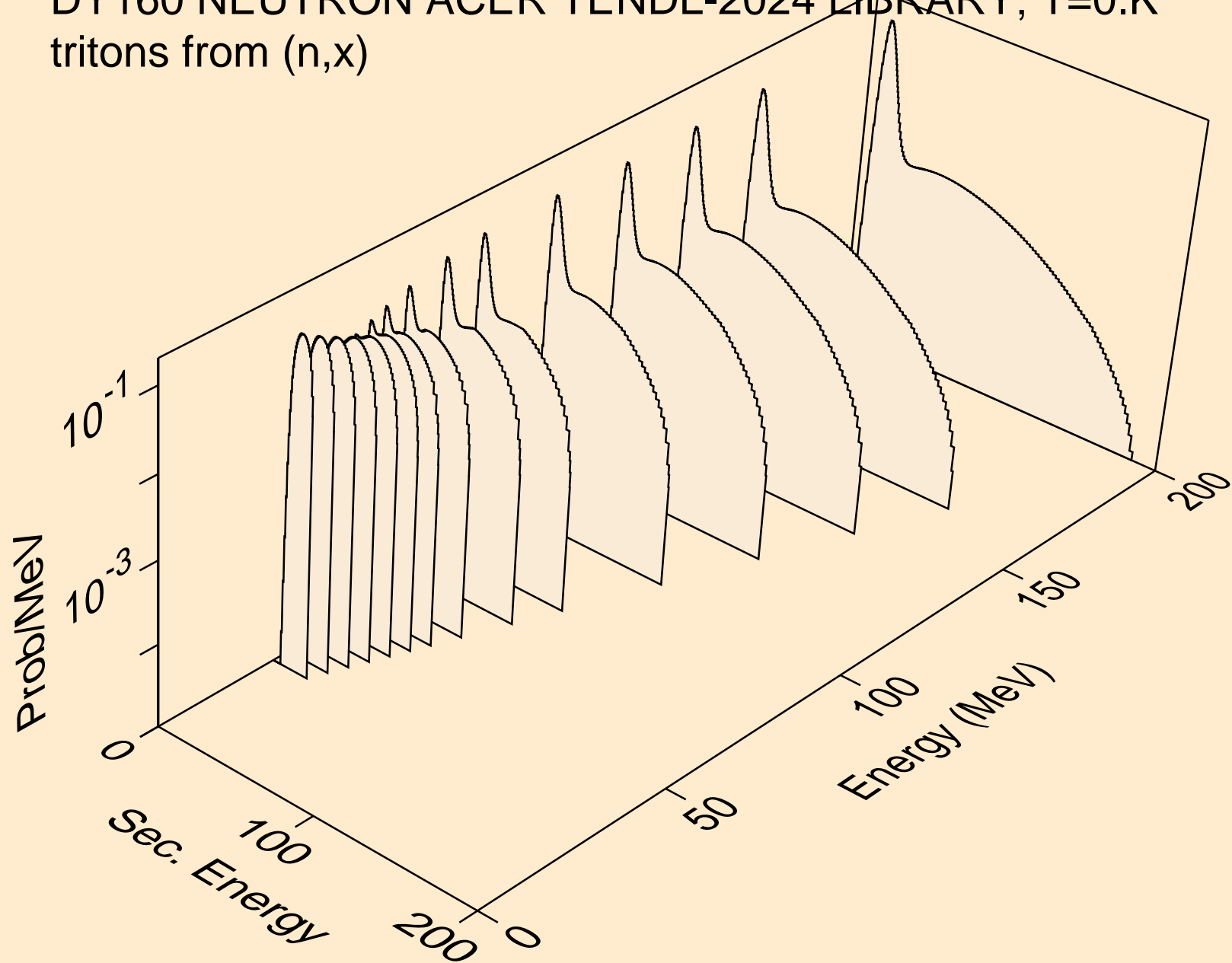
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deuterons from (n,pd)



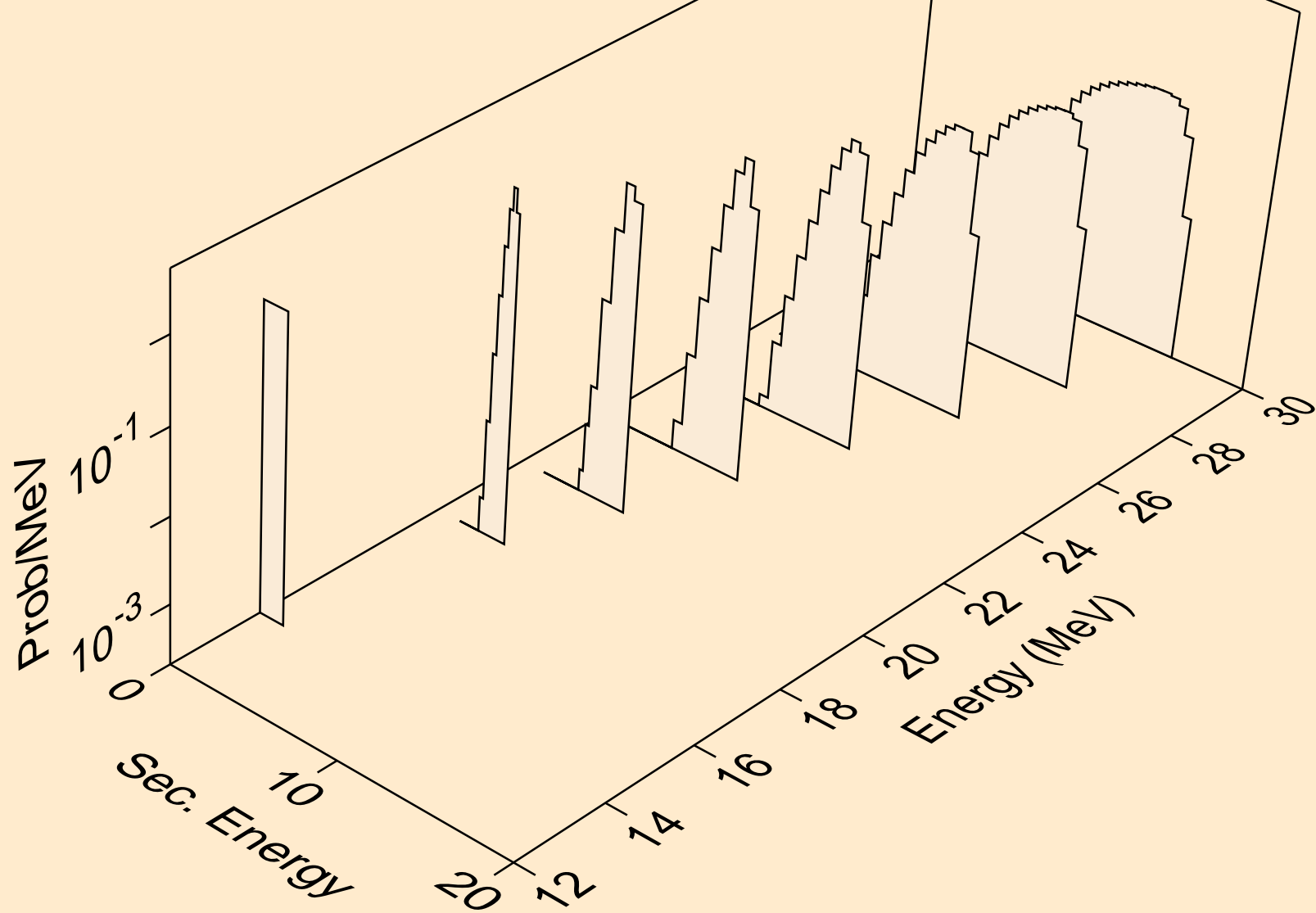
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deuterons from (n,da)



DY160 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,x)

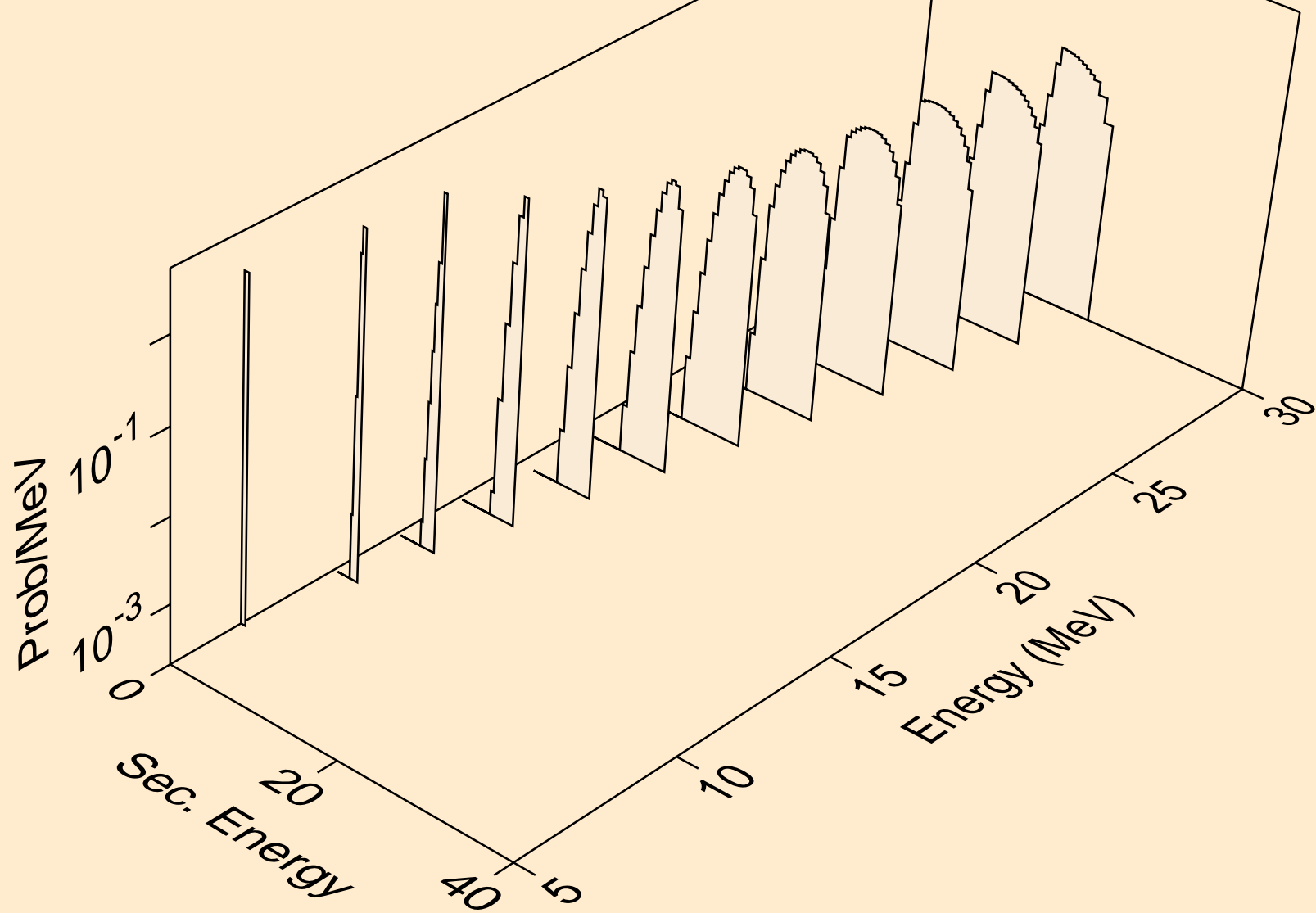


DY160 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,n\*)t

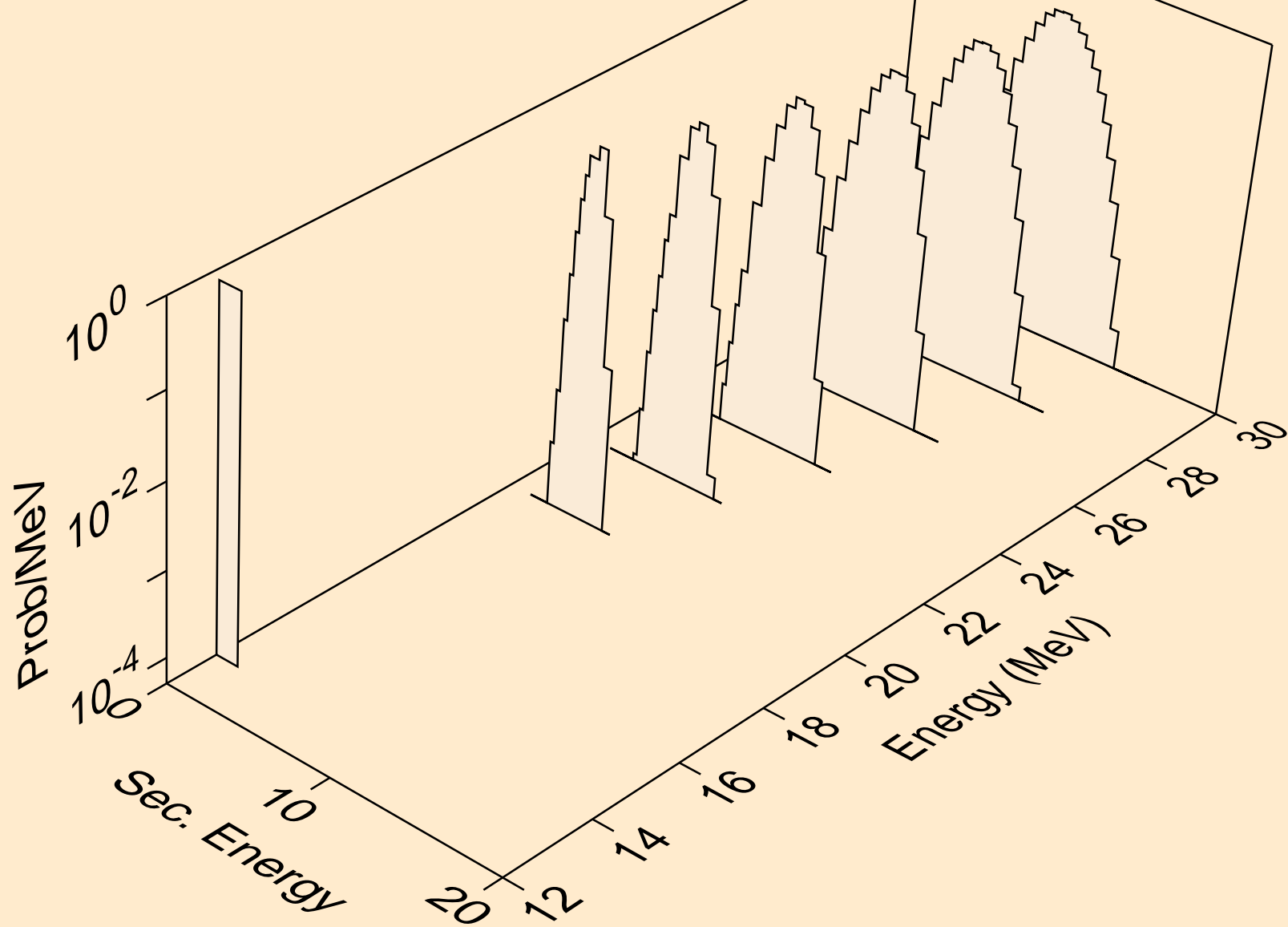




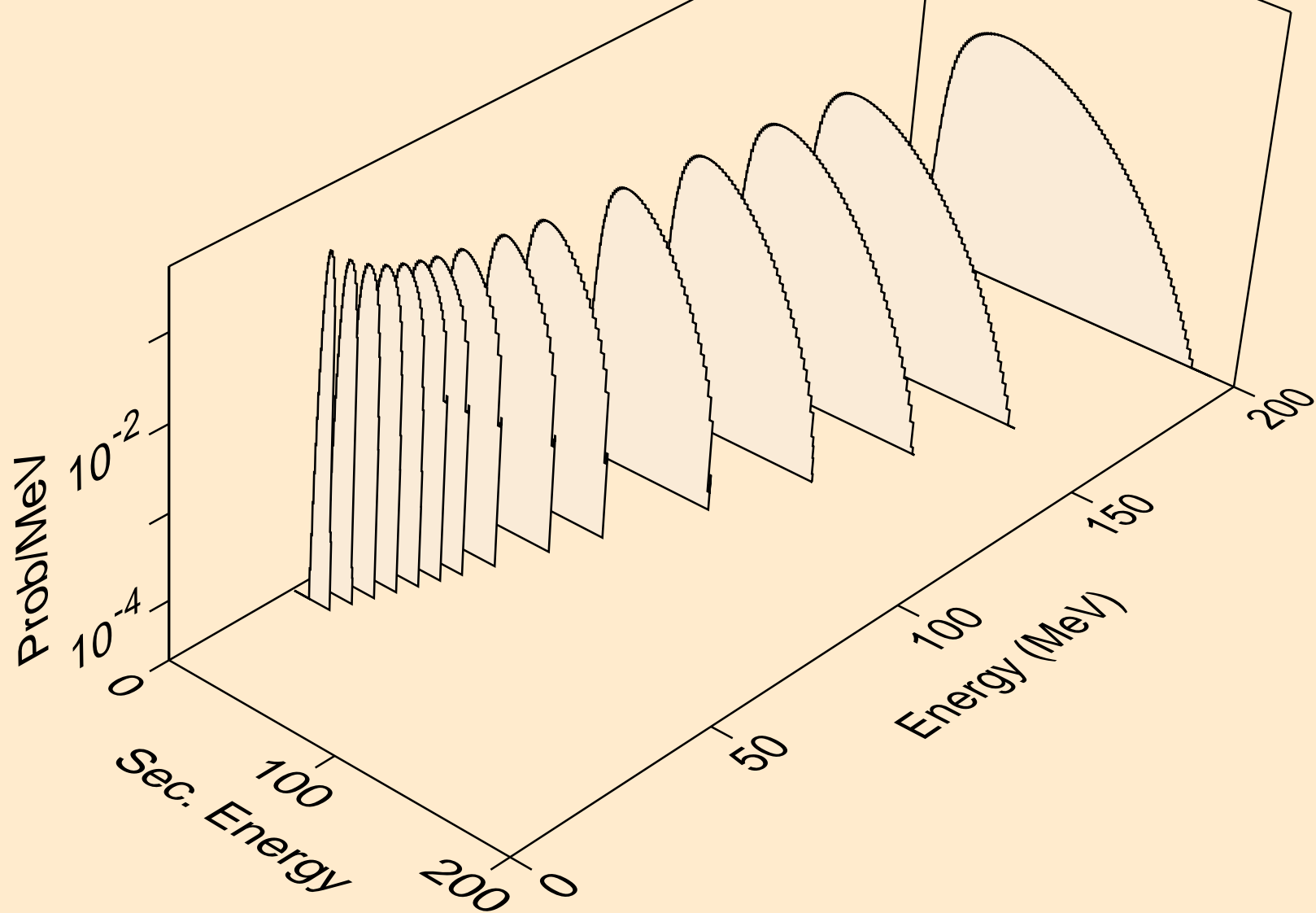
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tritons from (n,t)



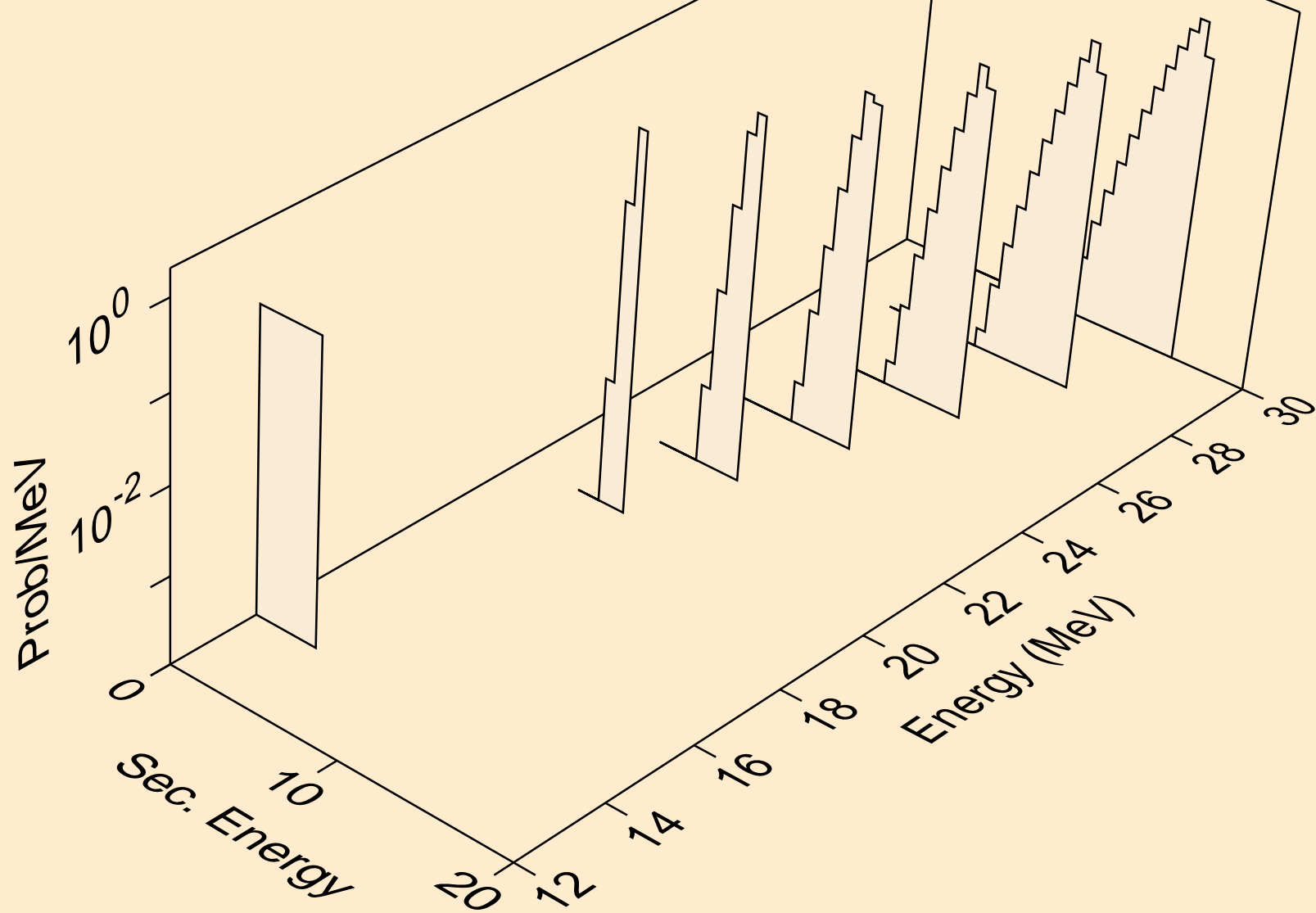
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tritons from (n,pt)



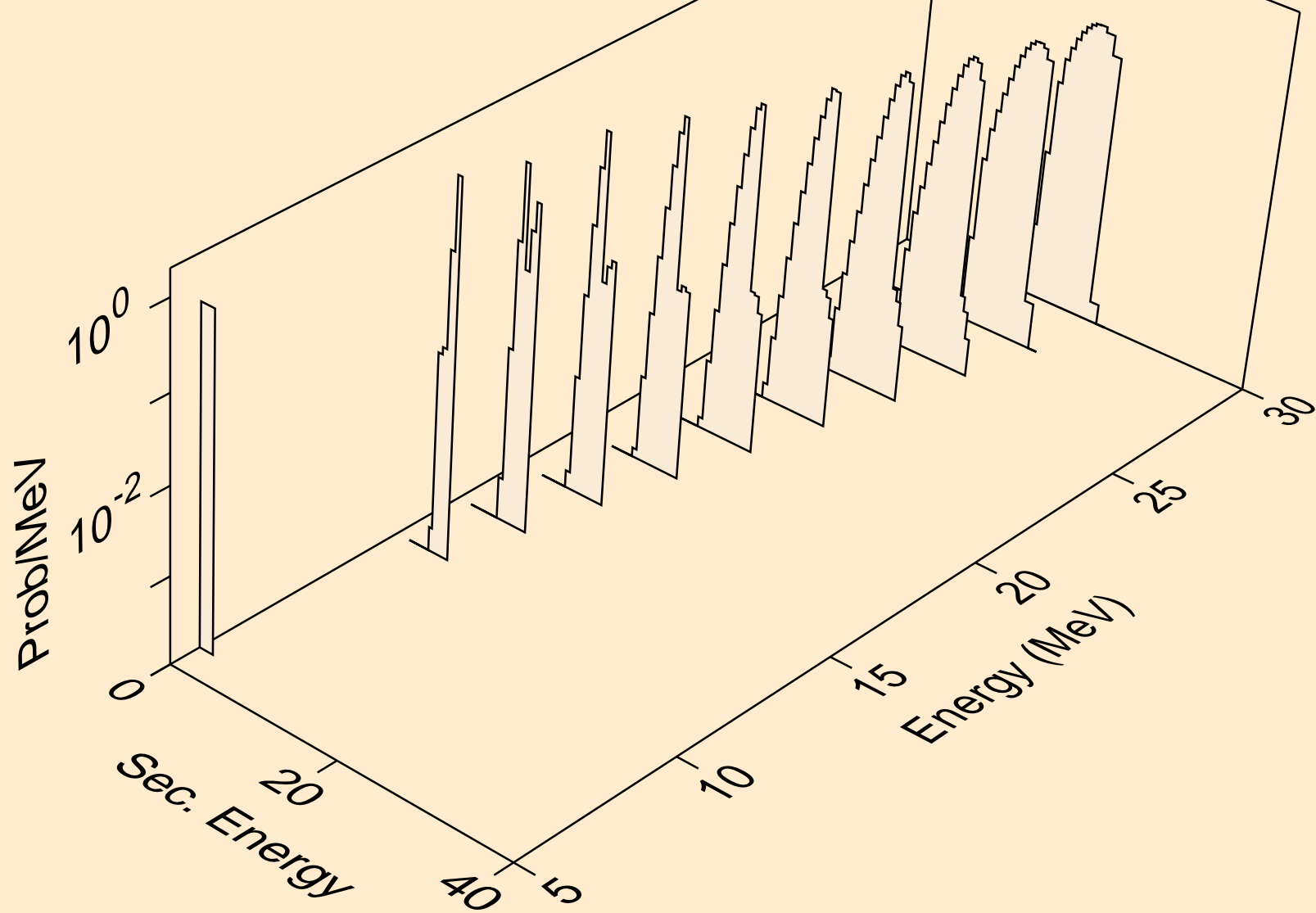
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he3s from (n,x)



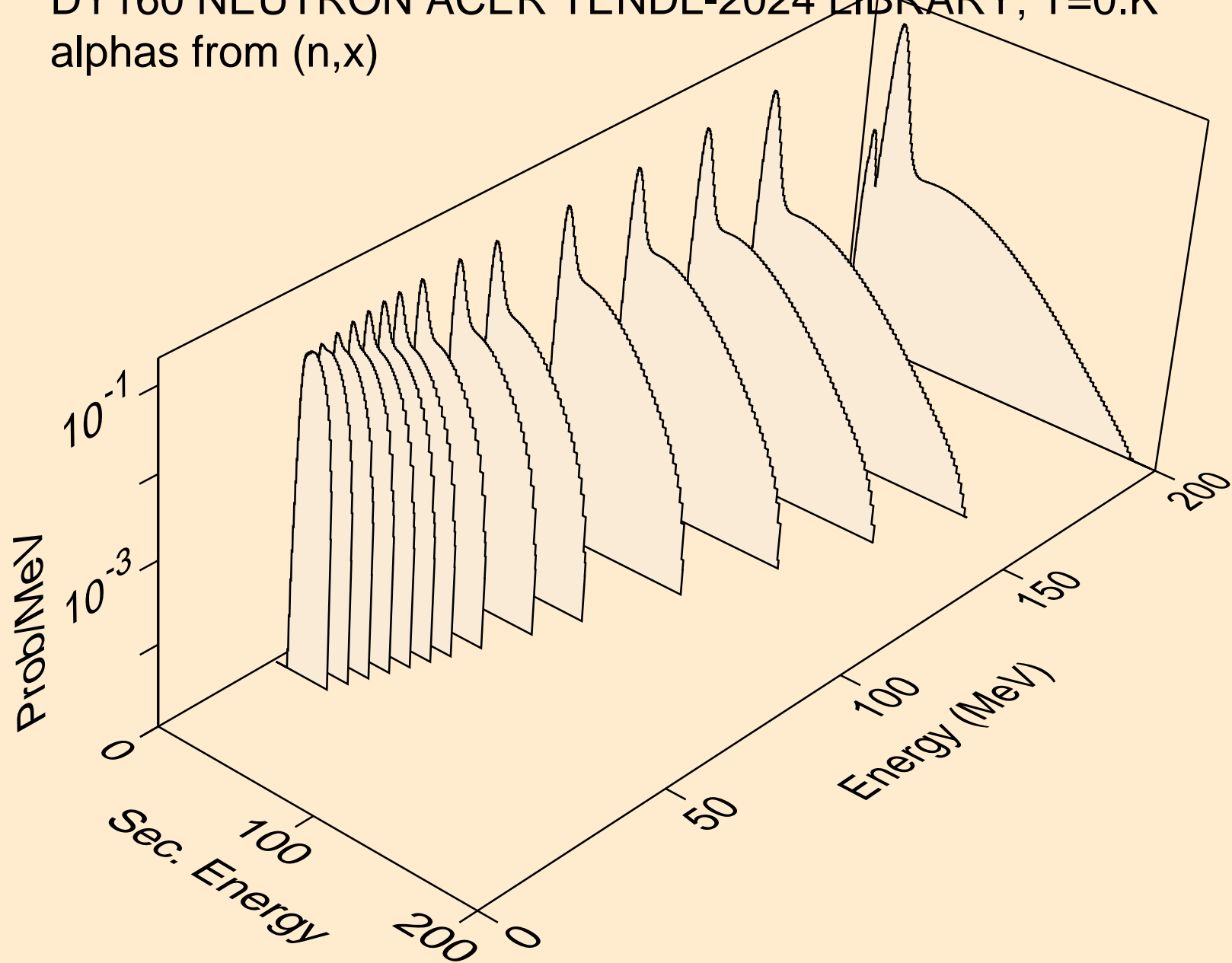
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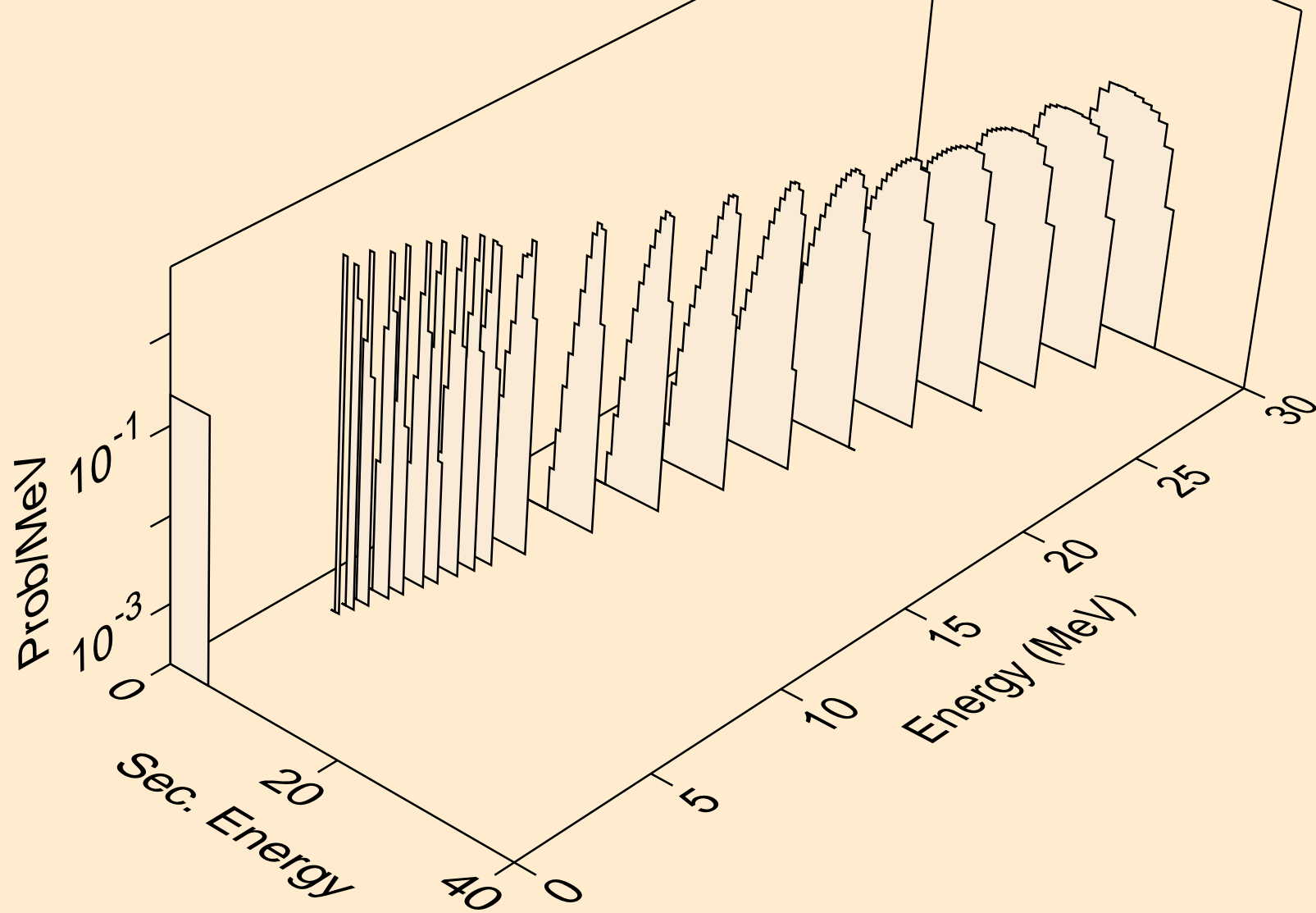
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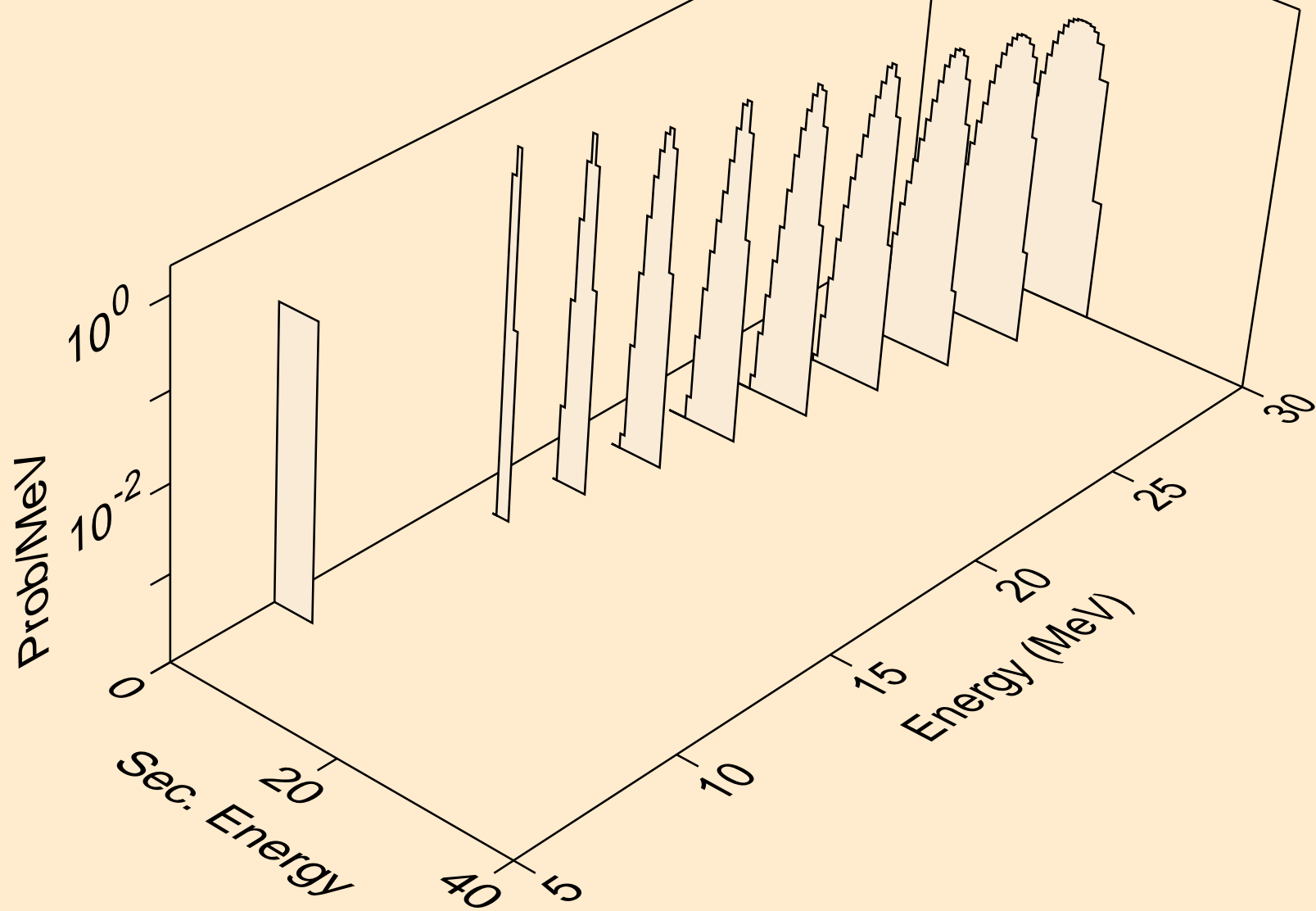
DY160 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,x)



DY160 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)a

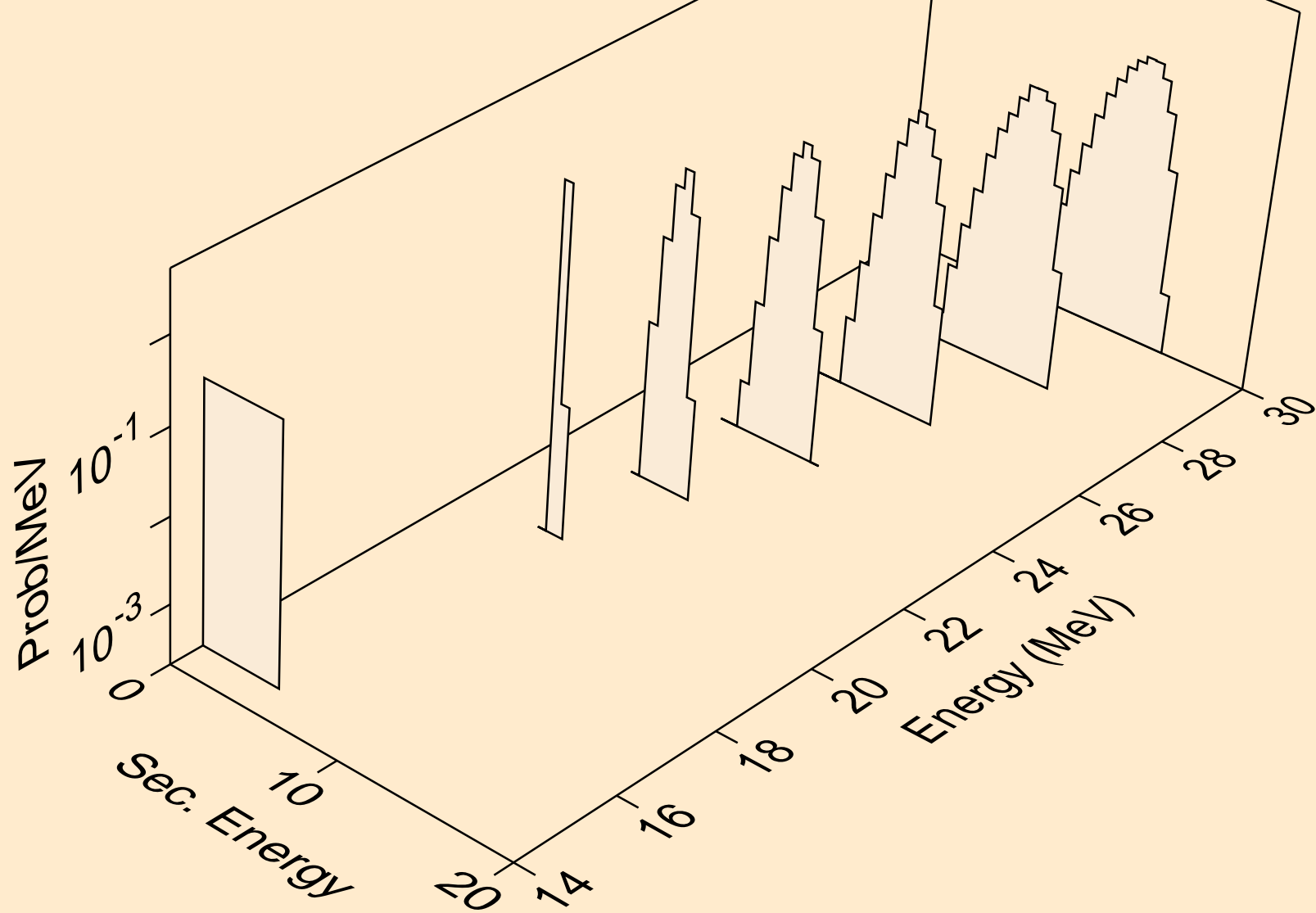


DY160 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2n)a

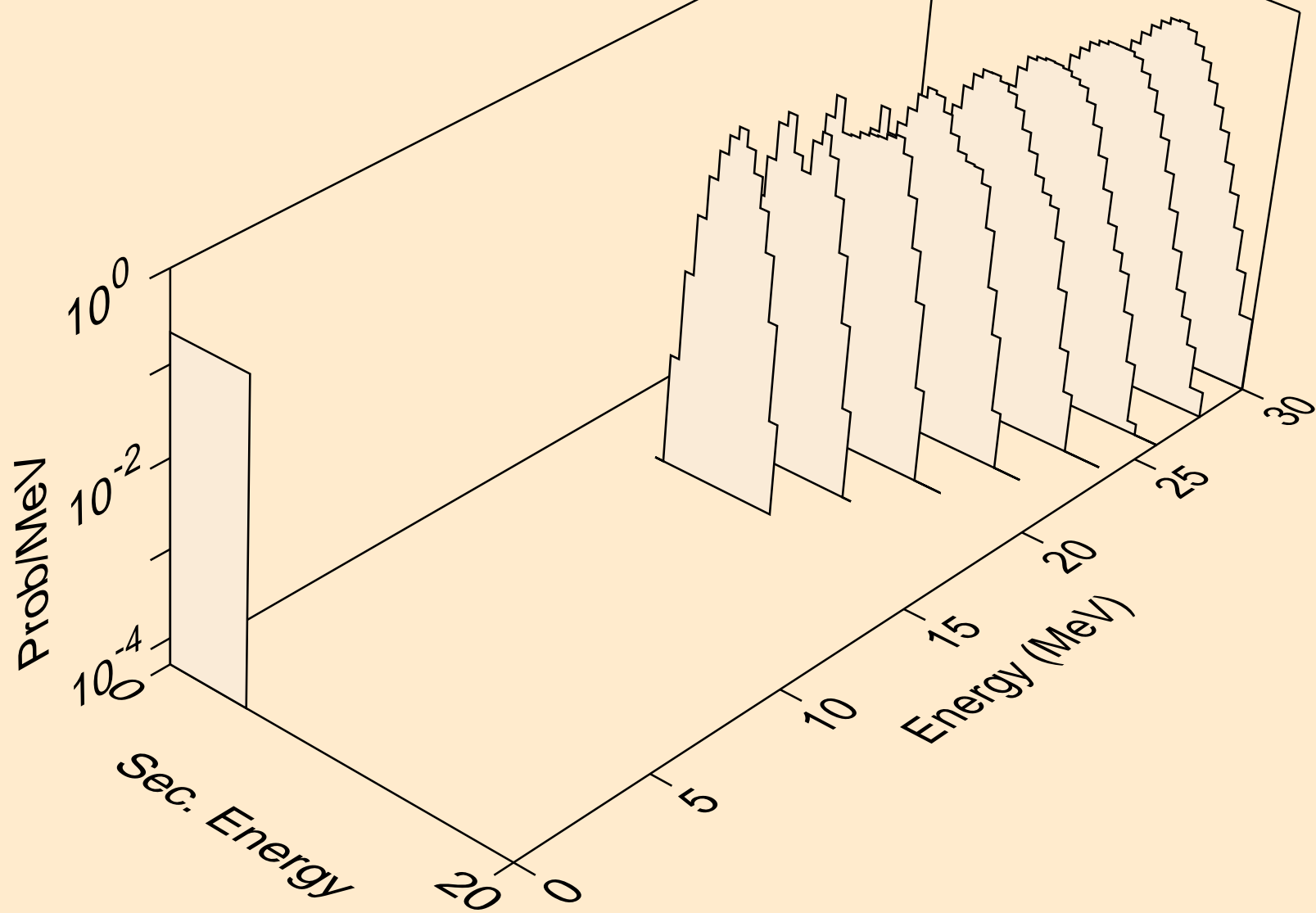




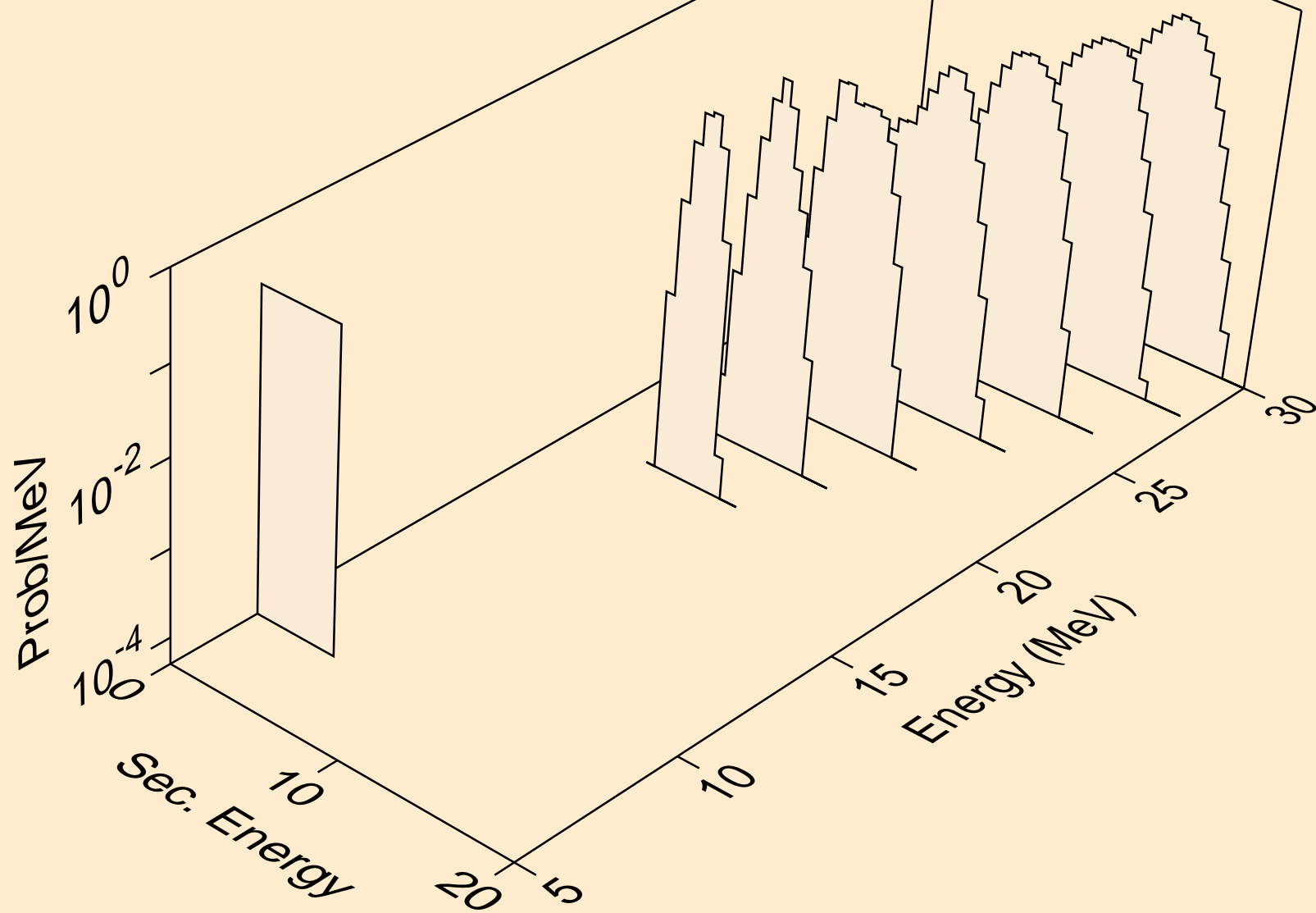
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alphas from (n,3n)a



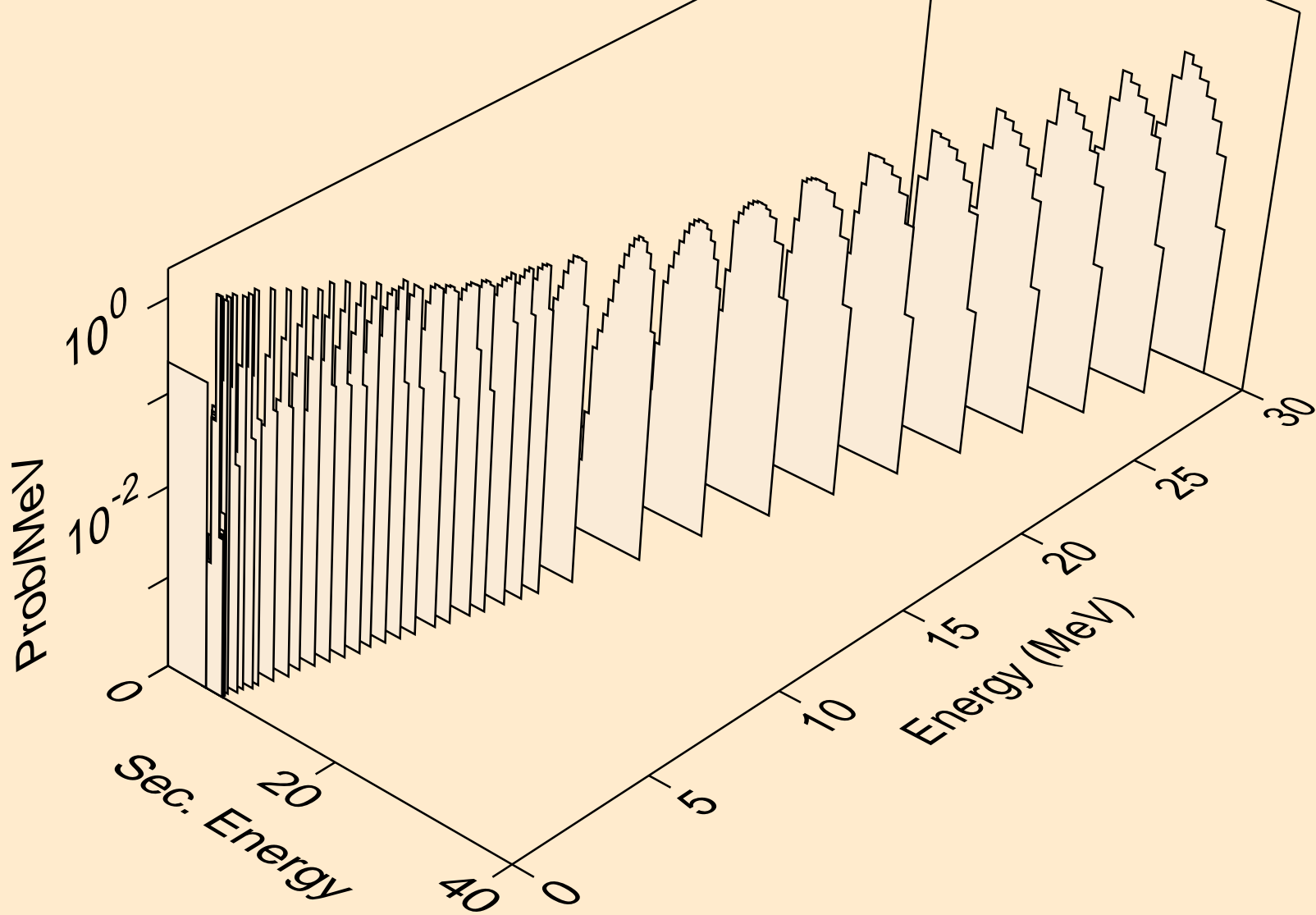
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alphas from (n,n\*)2a



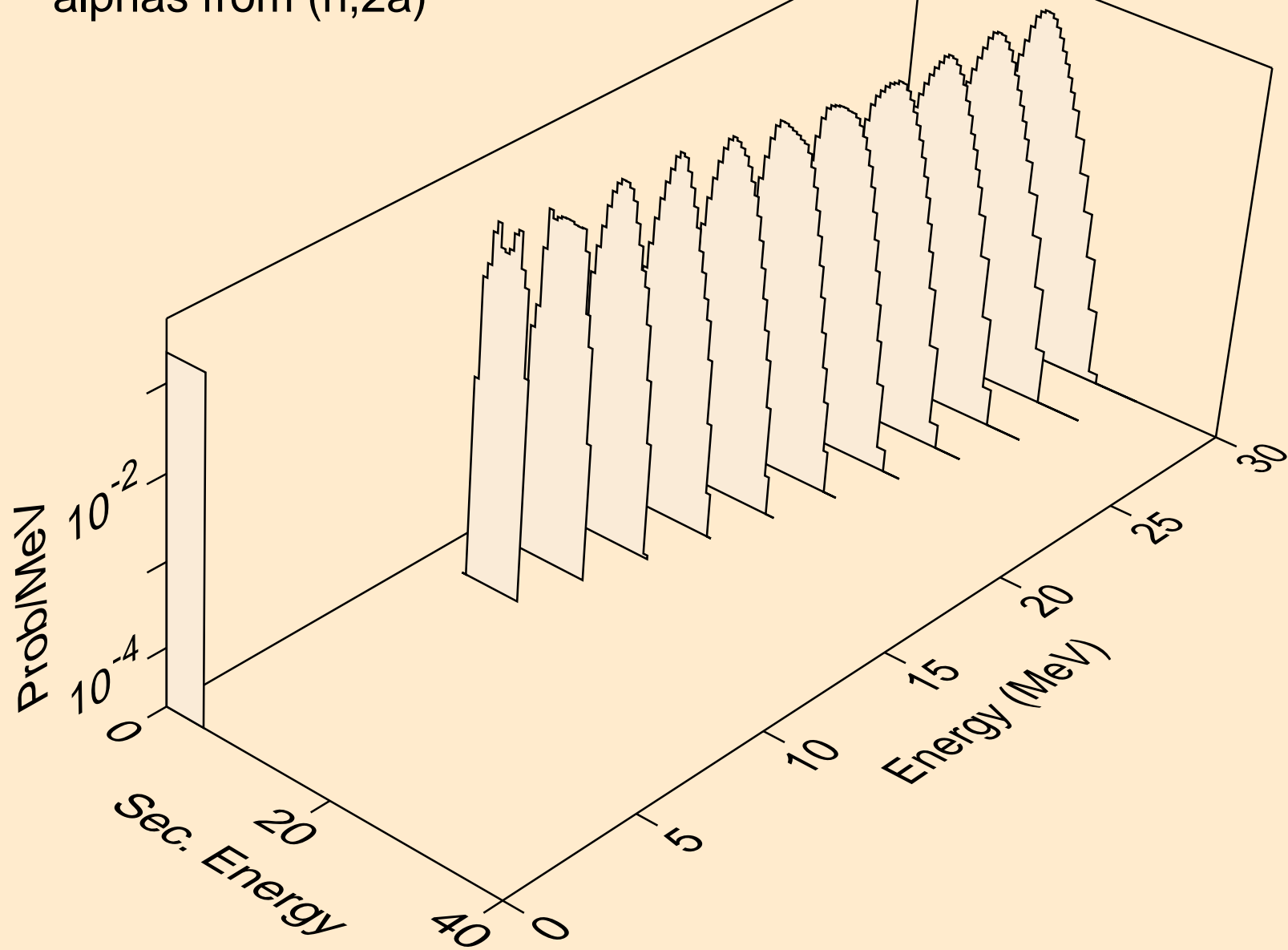
DY160 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,npa)



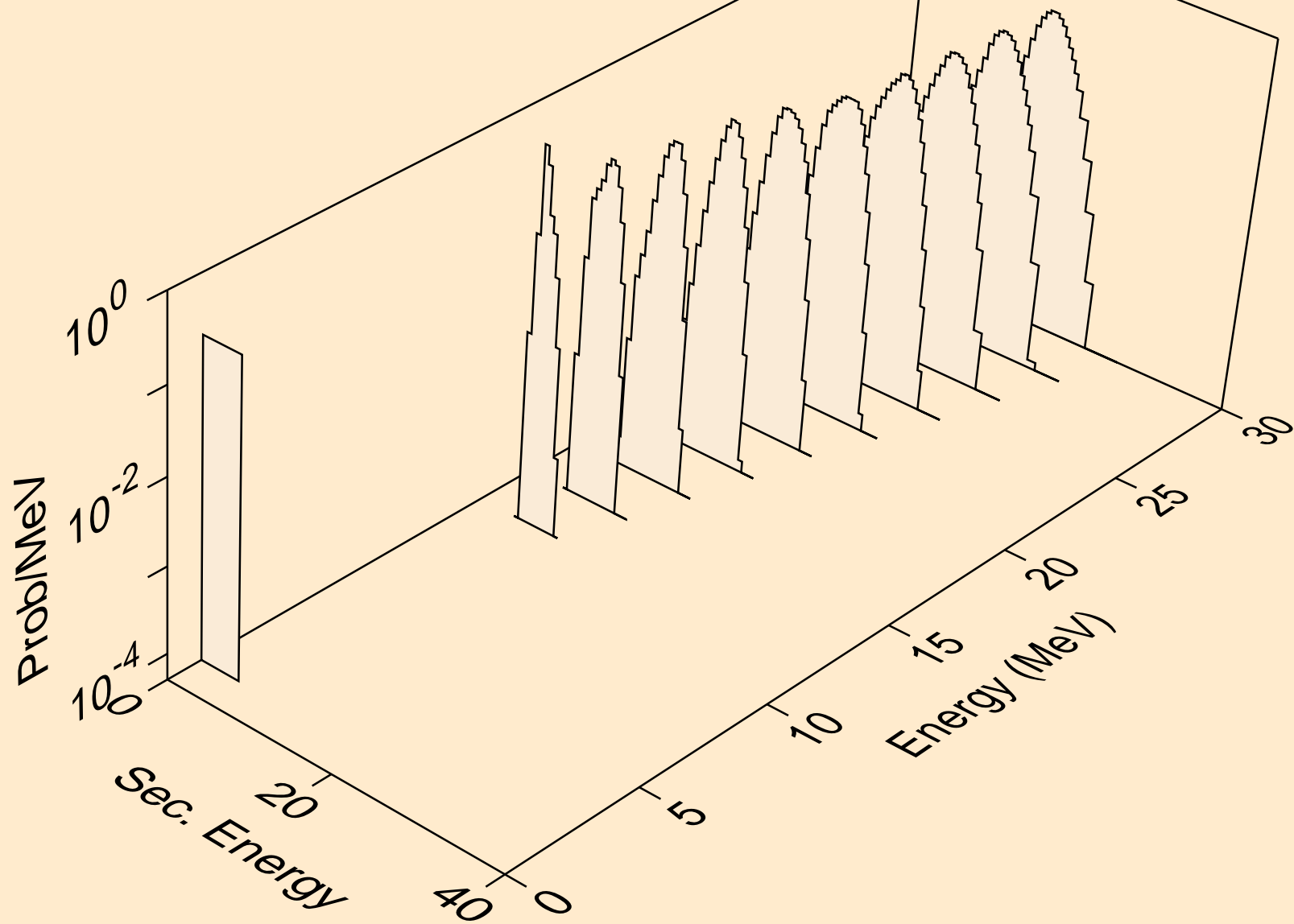
DY160 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,a)



DY160 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2a)



DY160 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,pa)



DY160 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,da)

