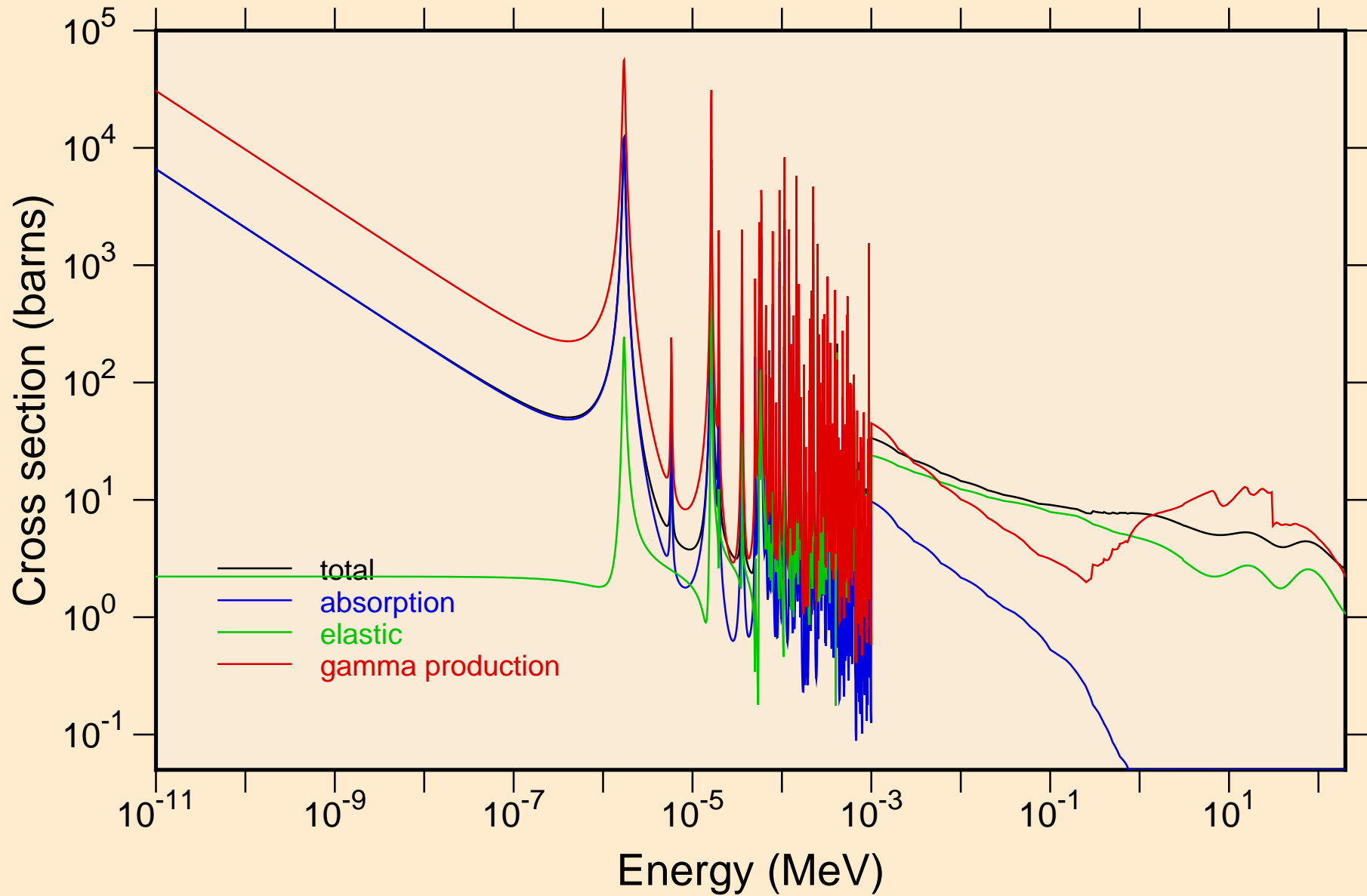
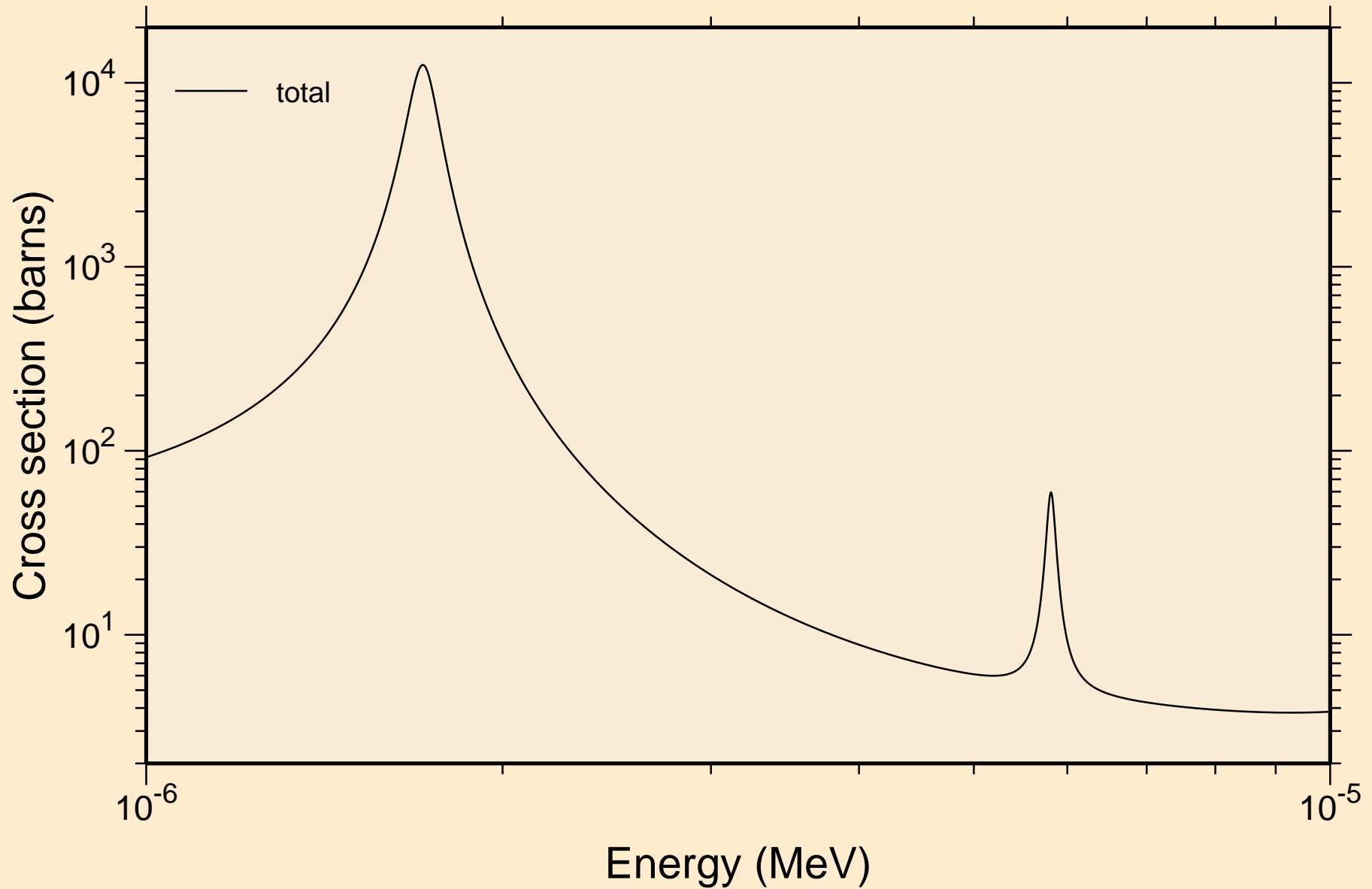


# DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

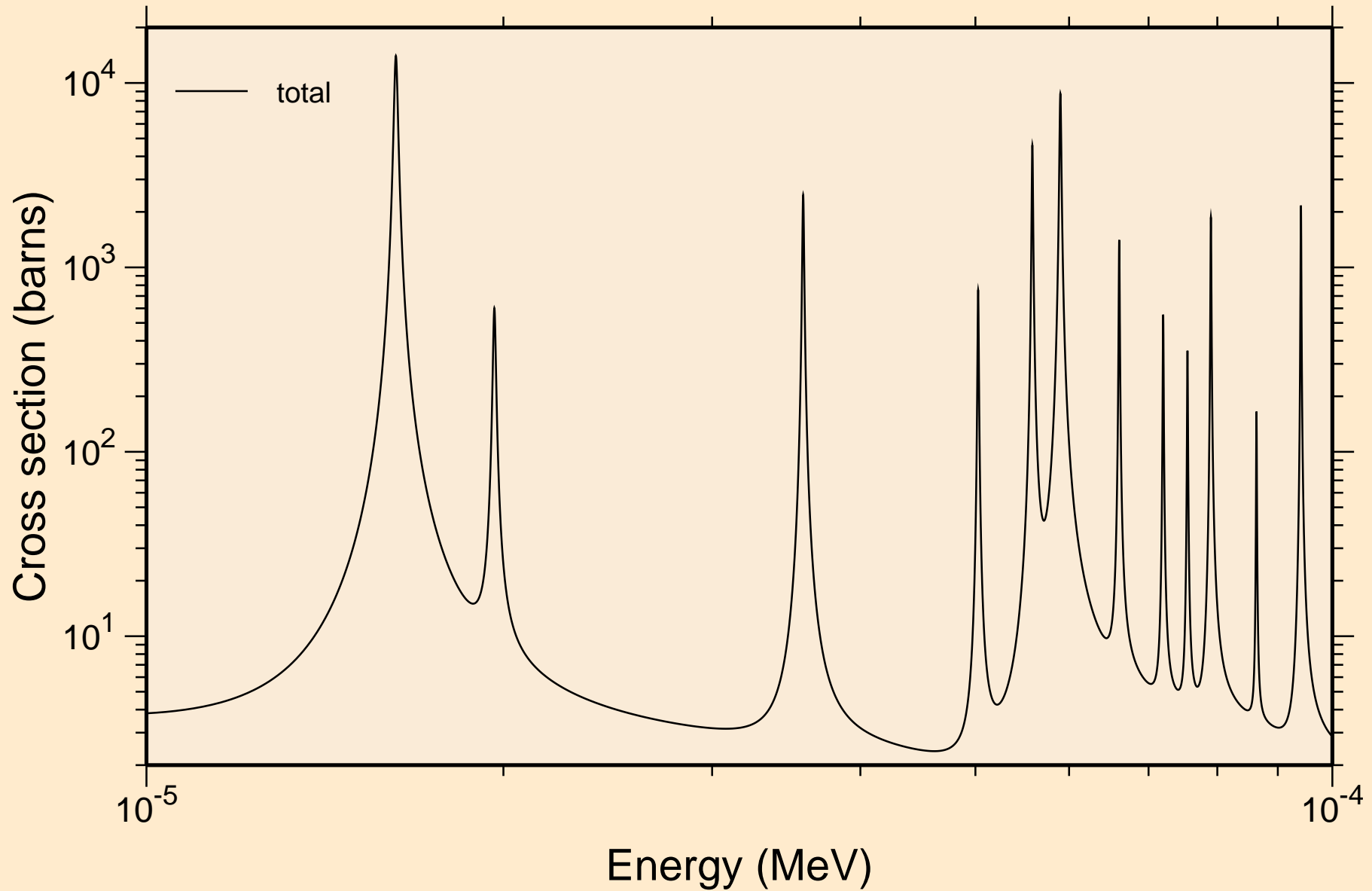
## Principal cross sections



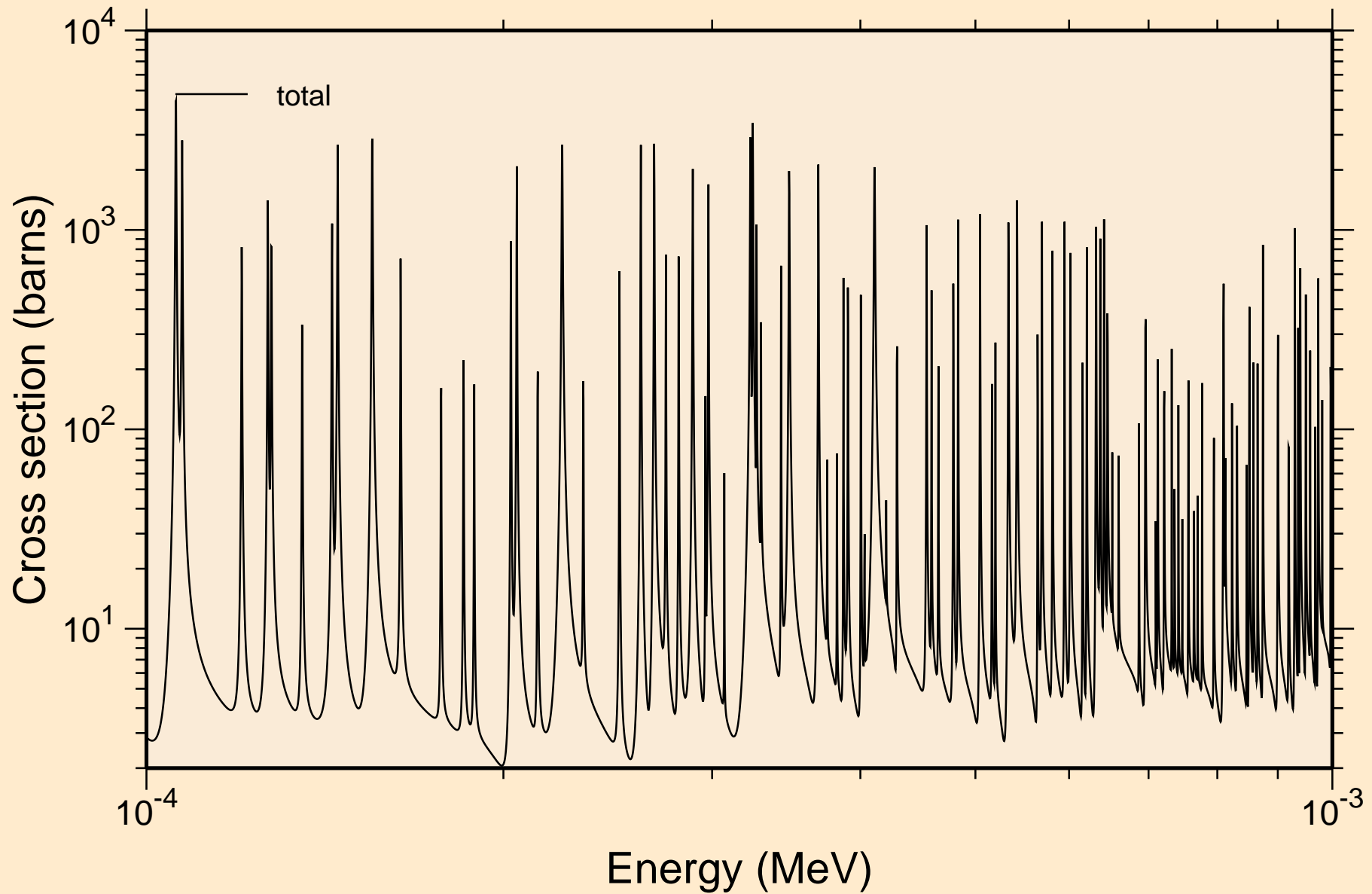
DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



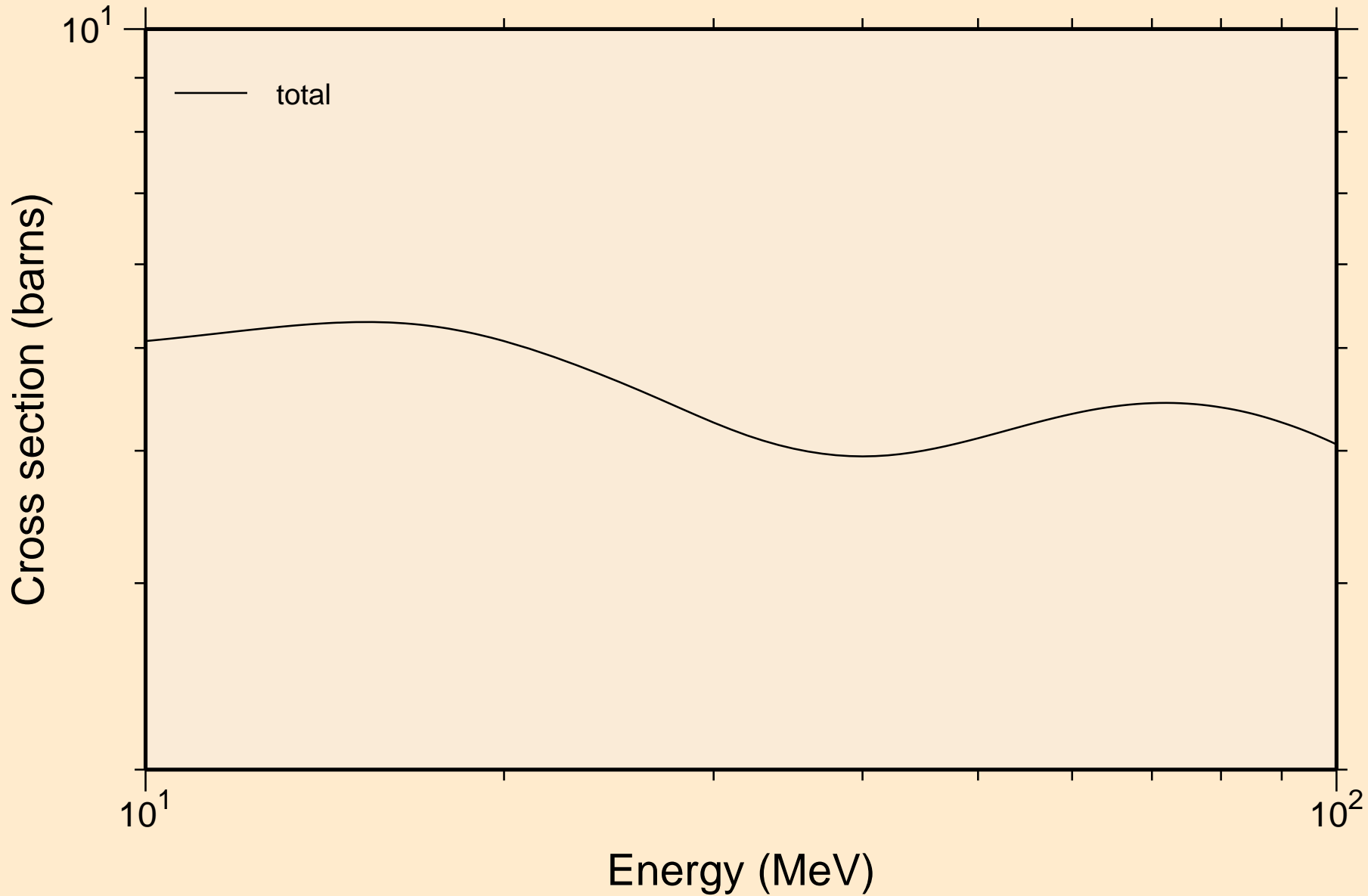
DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



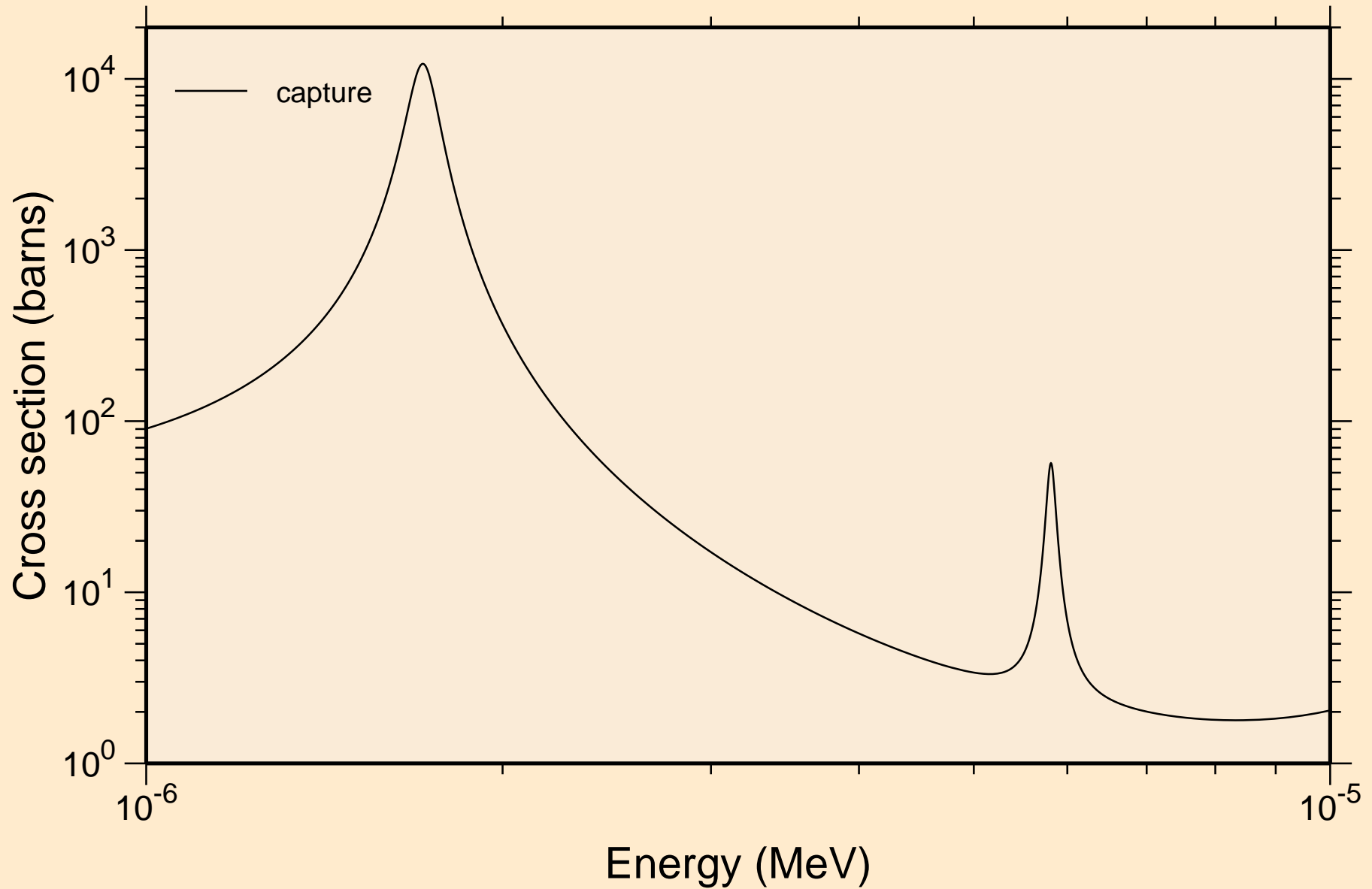
DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



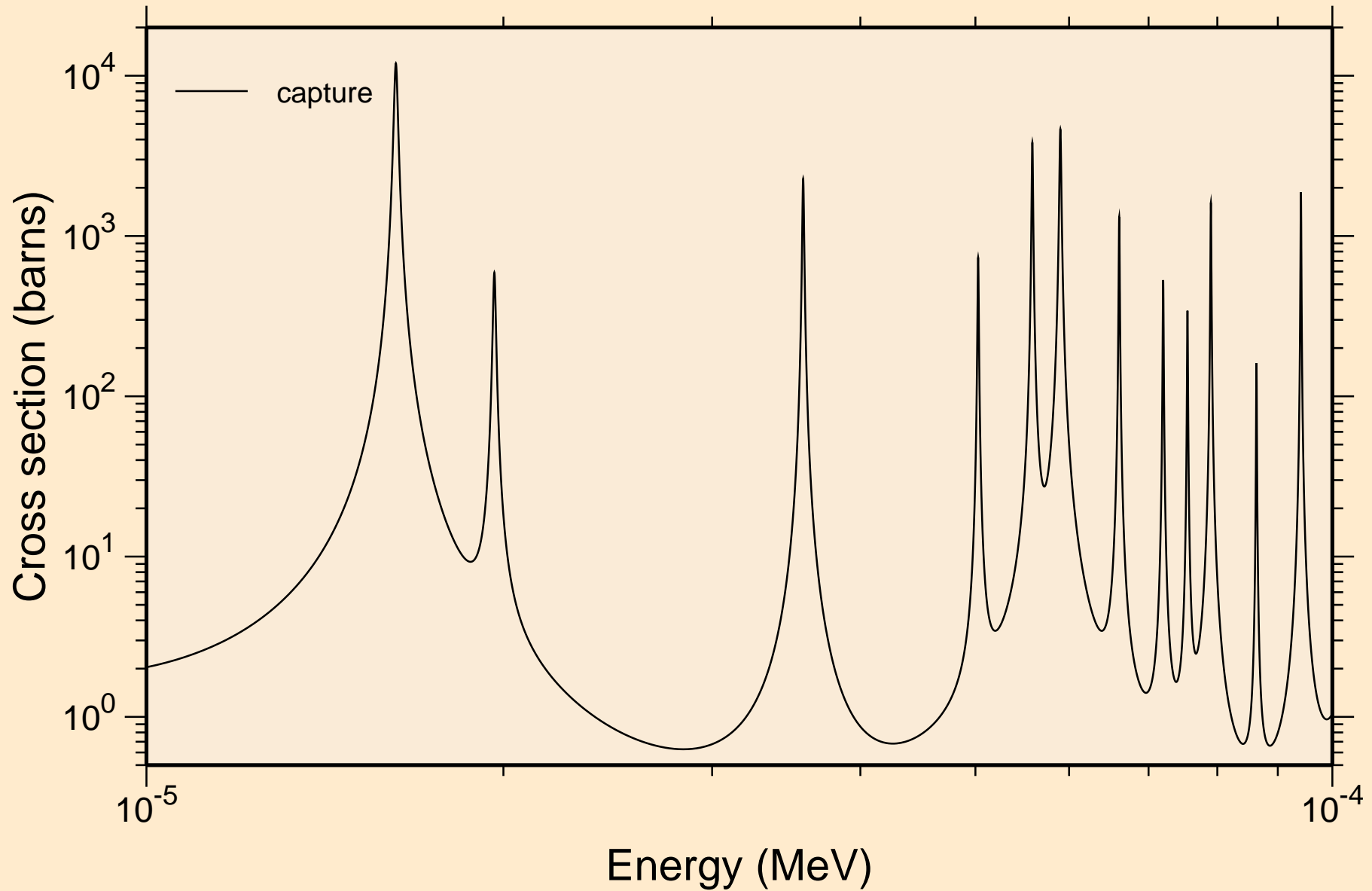
DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



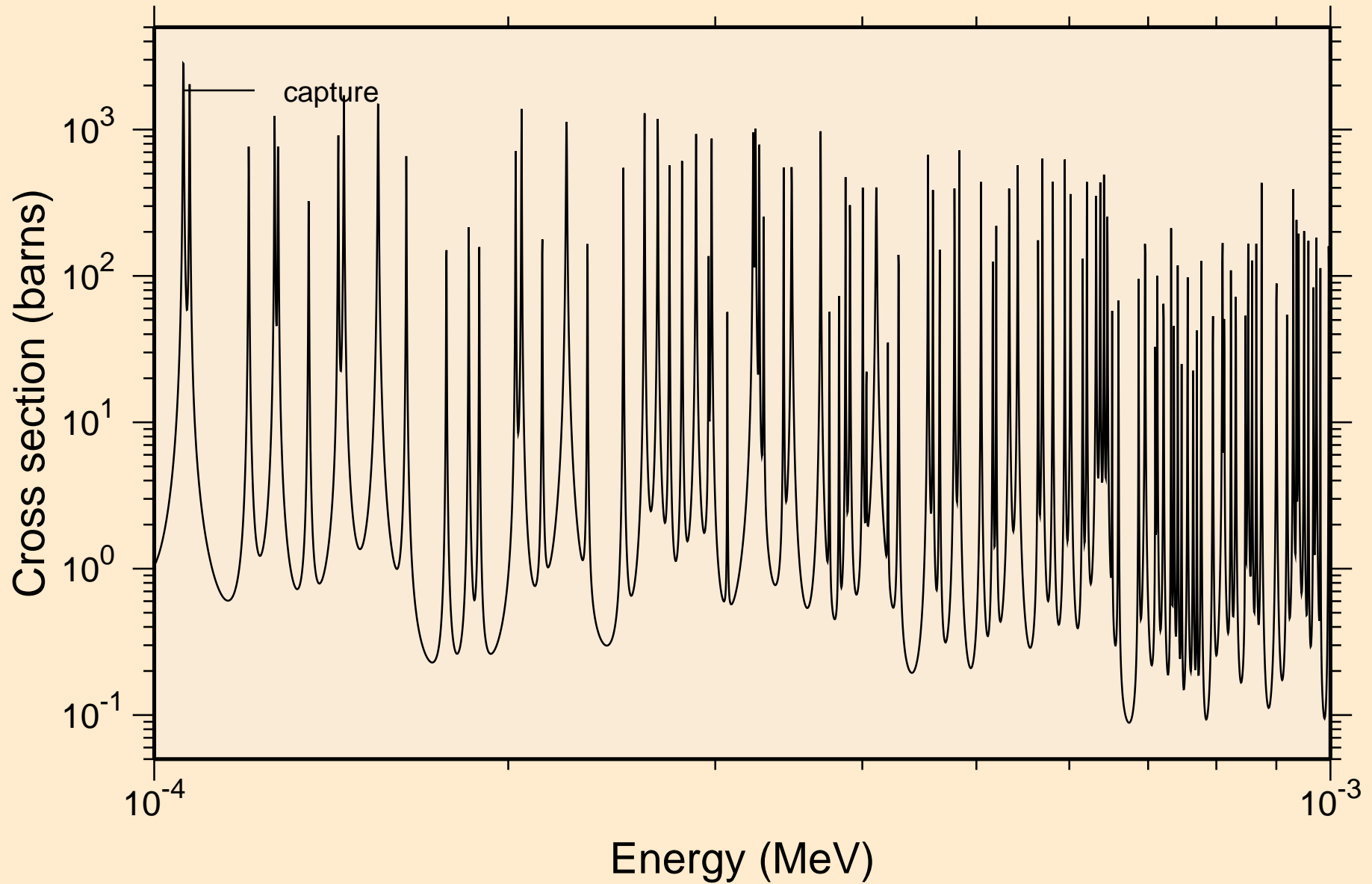
DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections

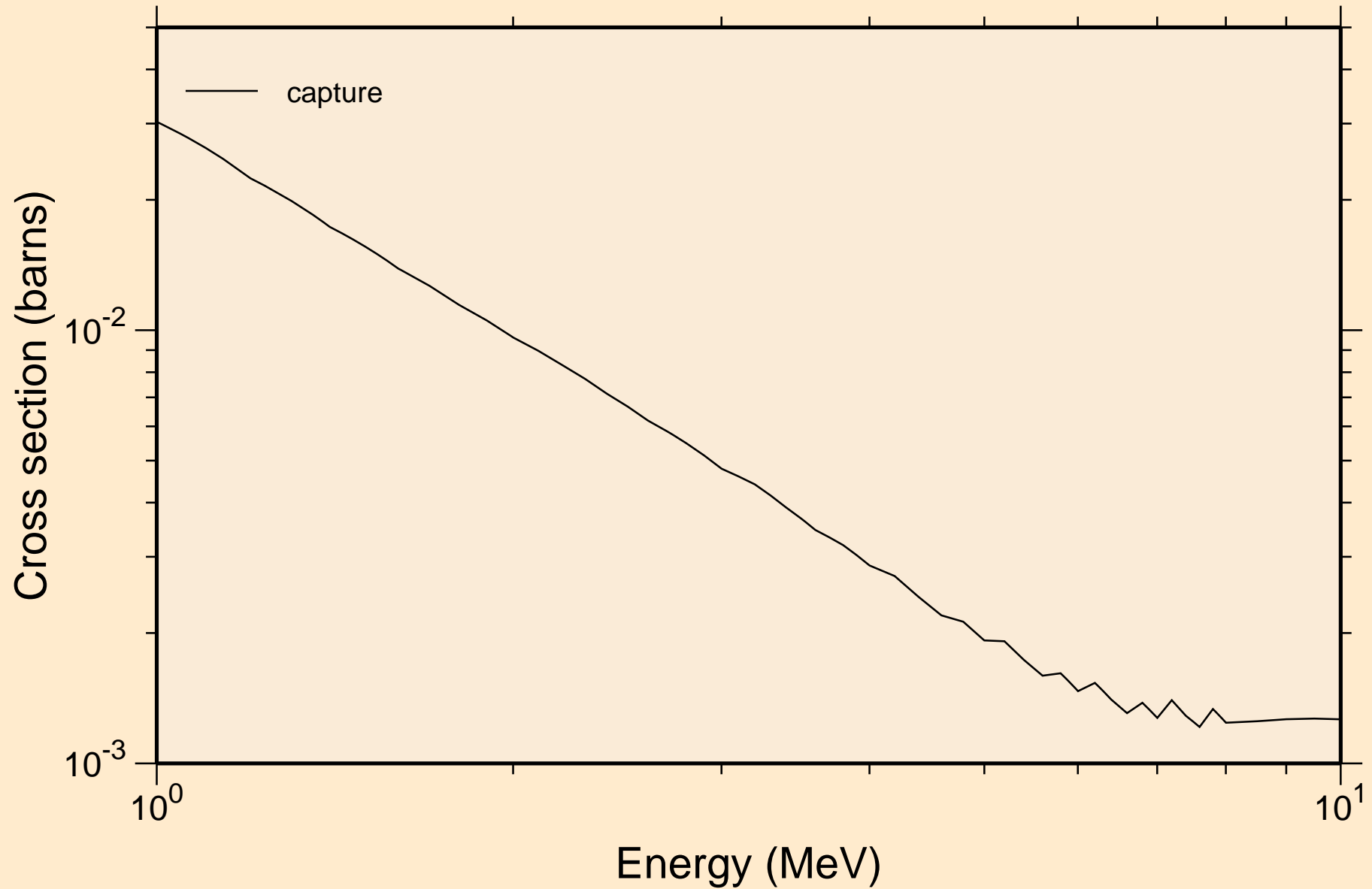


DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



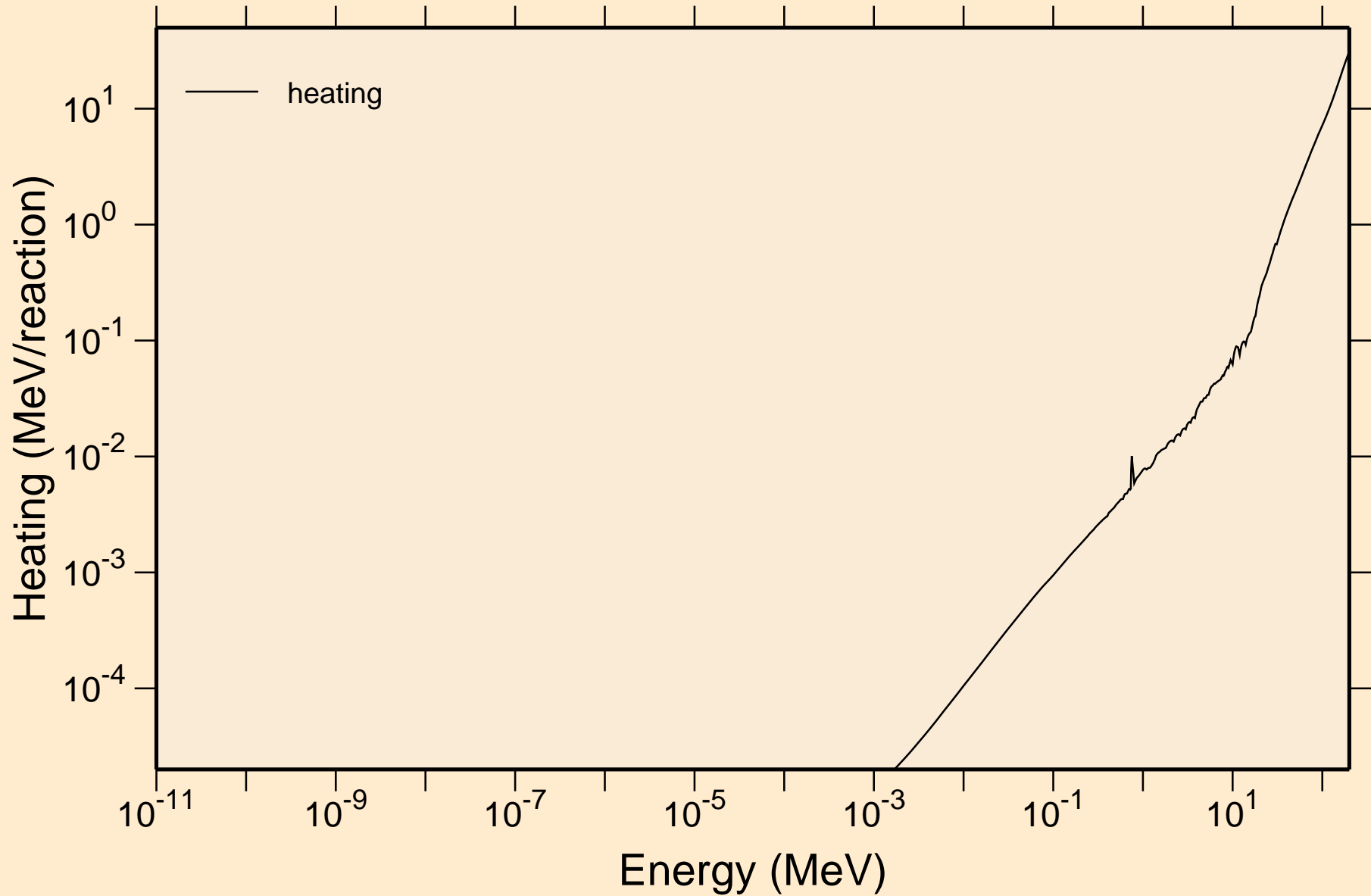


DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



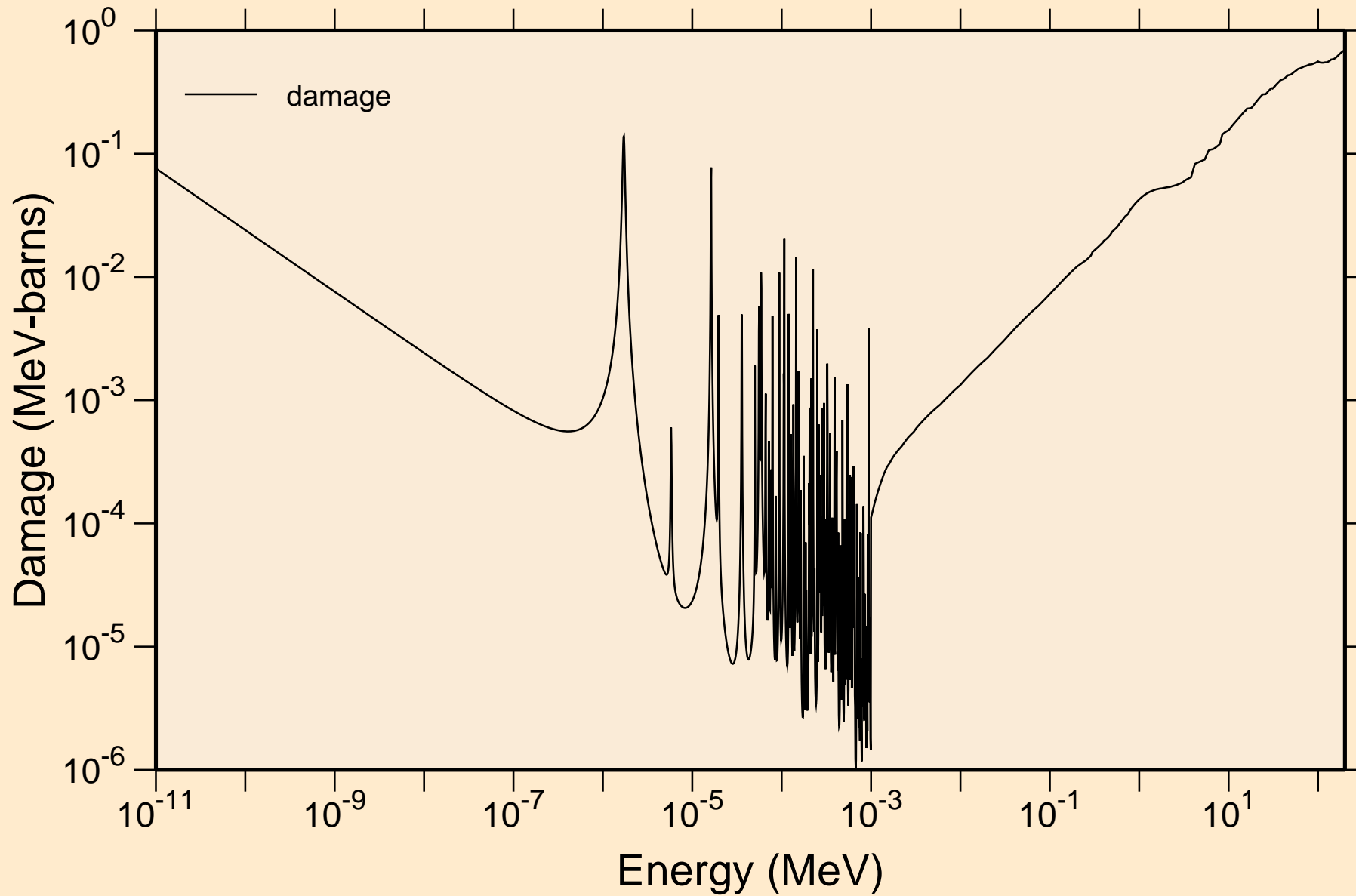
# DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Heating

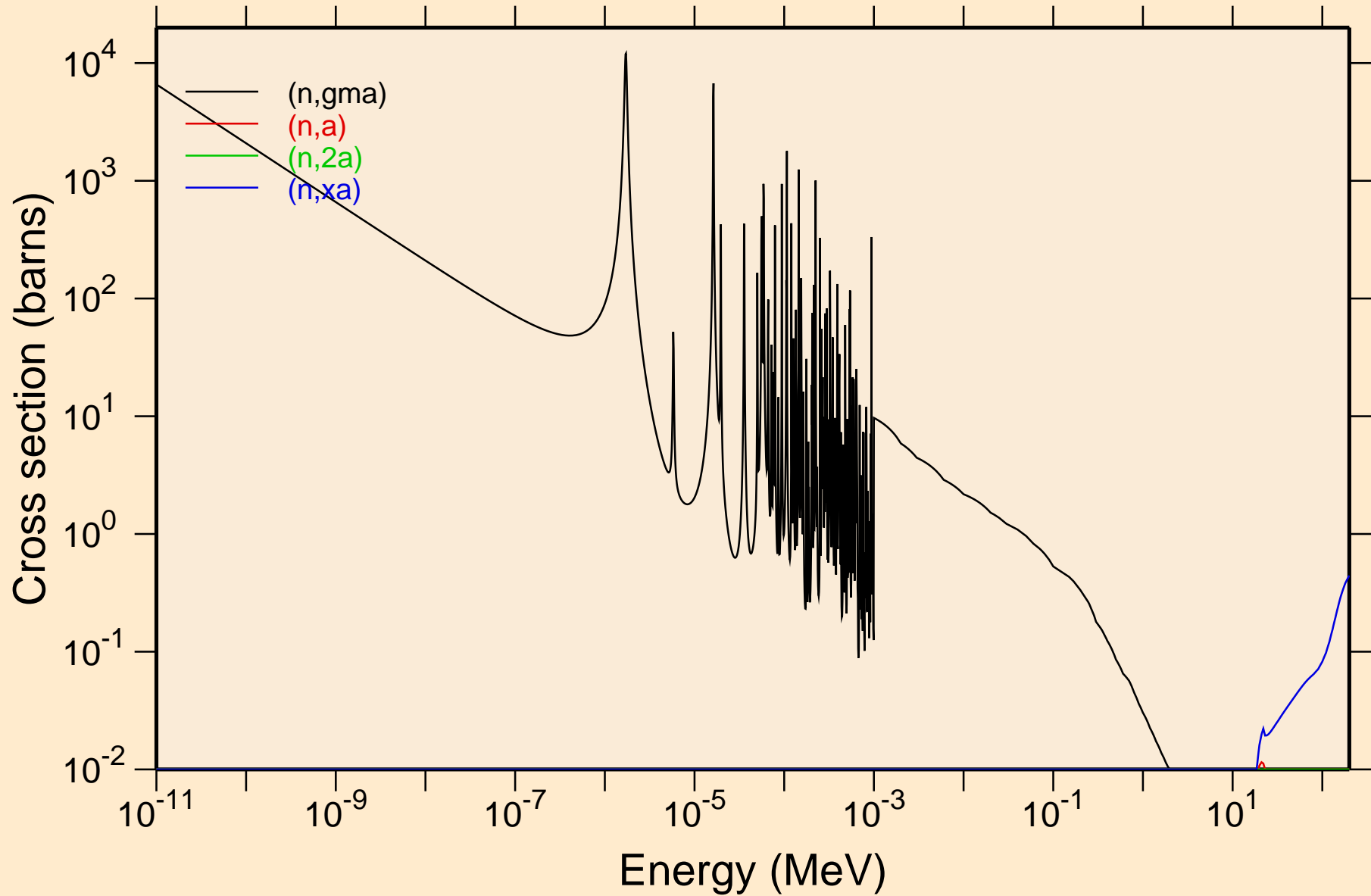


# DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Damage

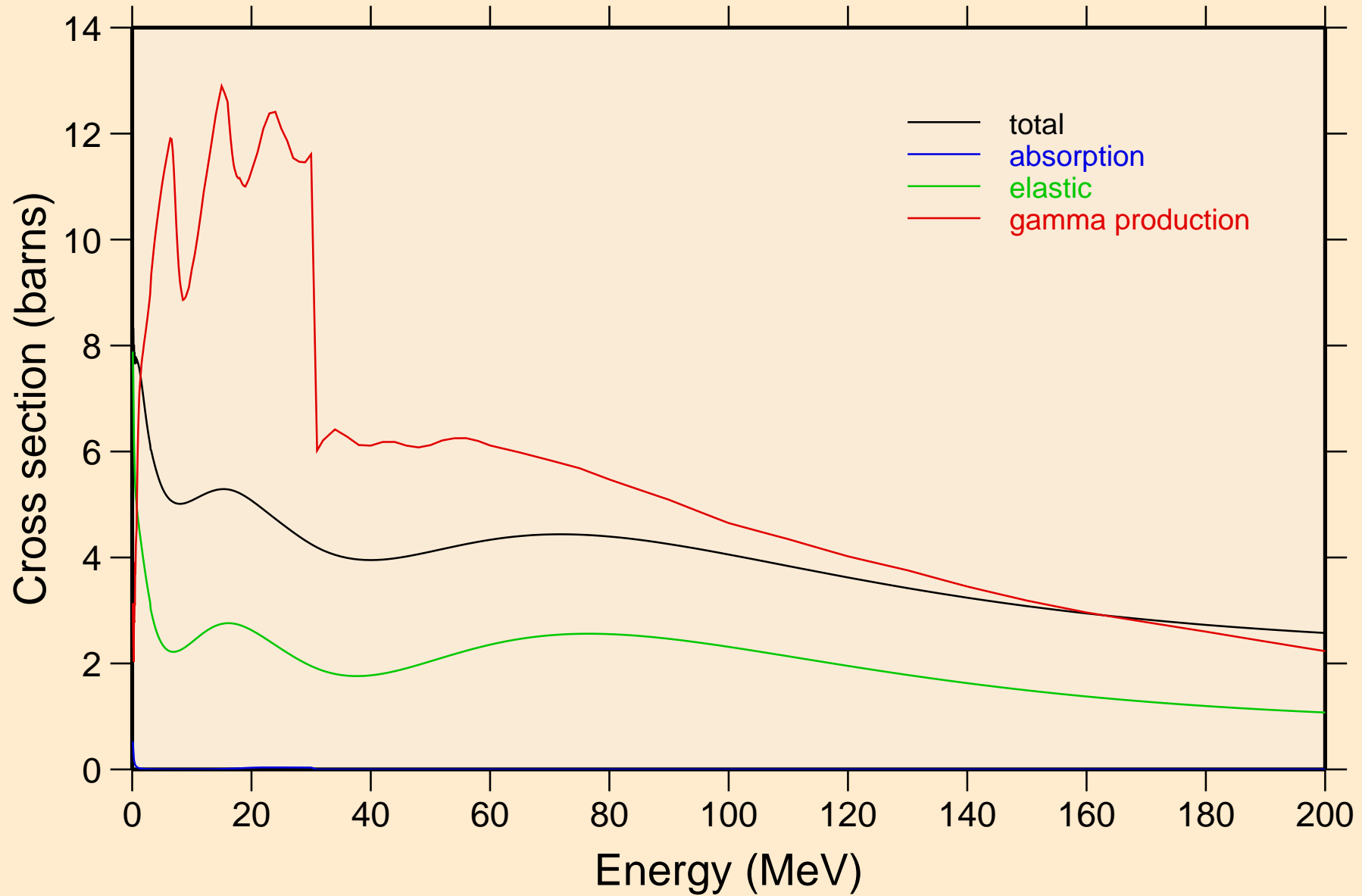


DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



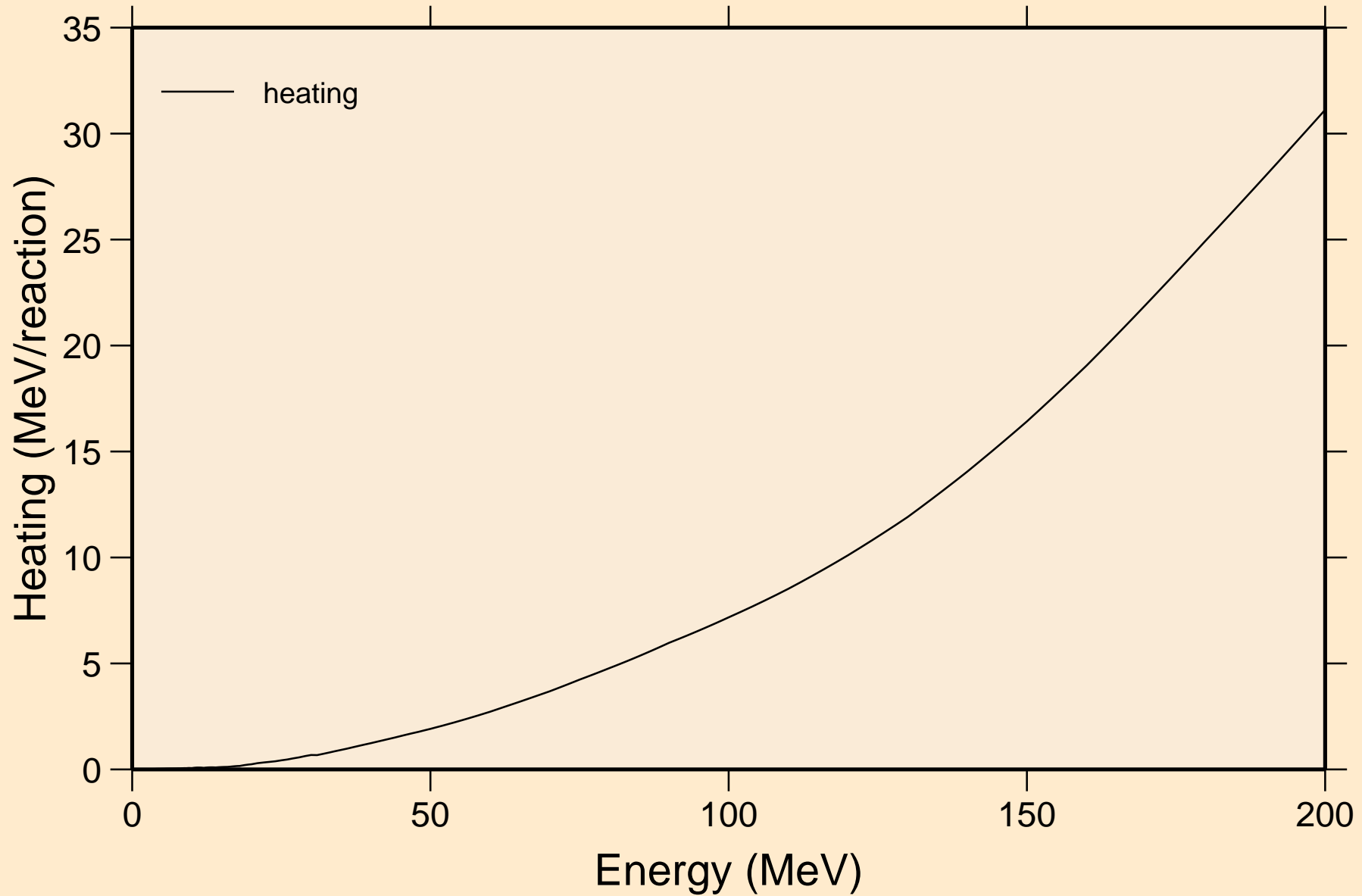
# DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections



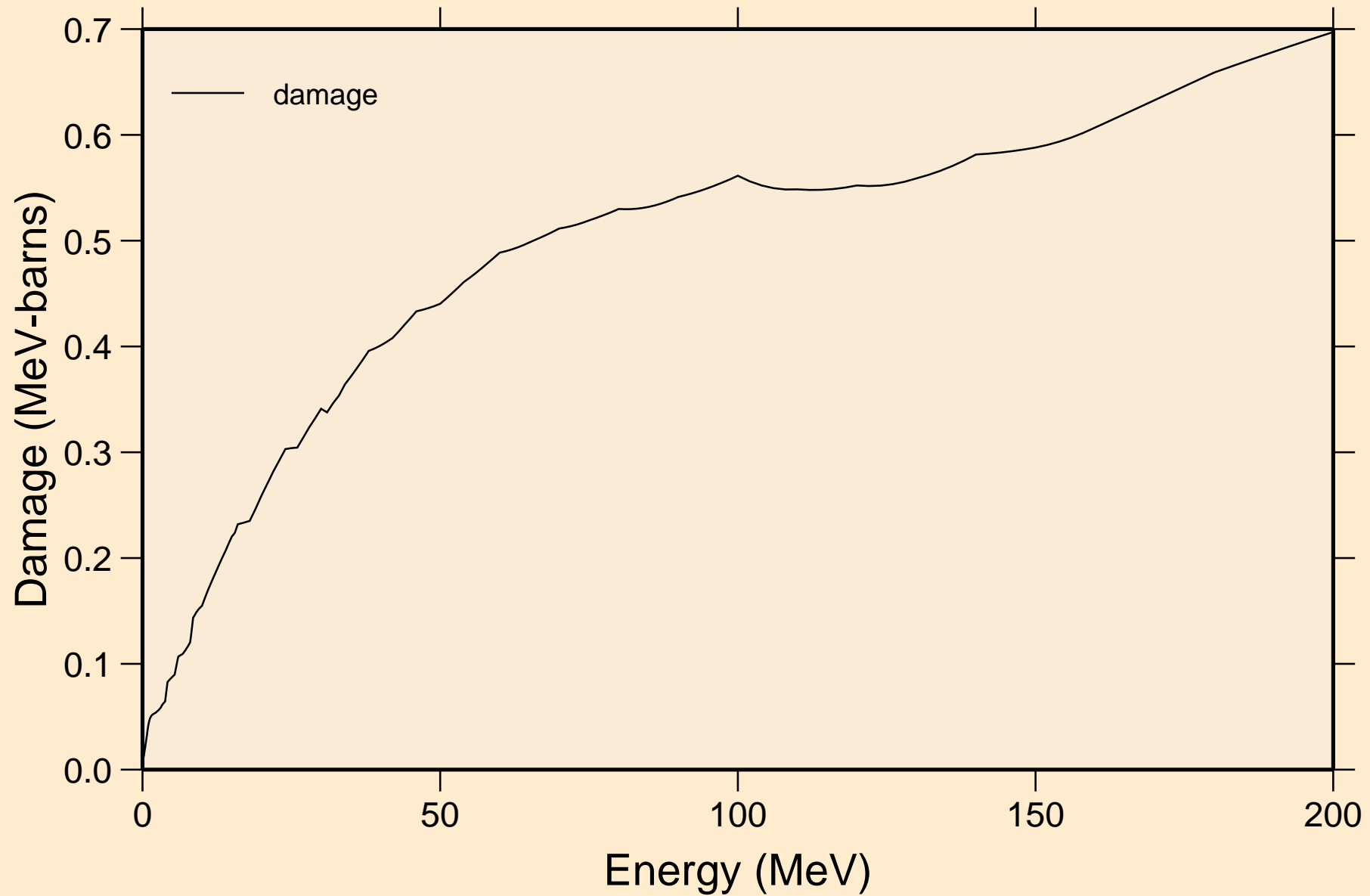
# DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Heating

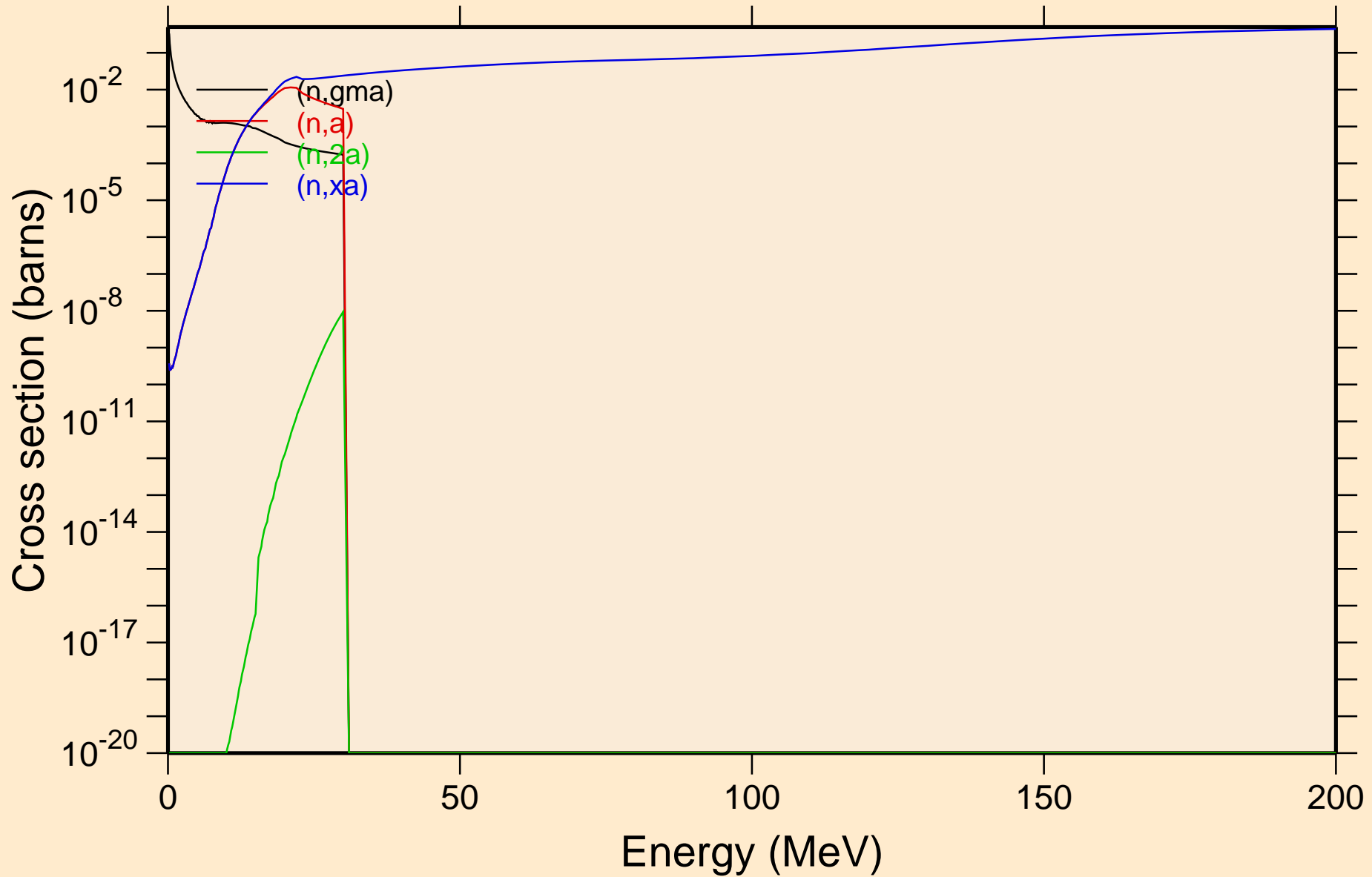


# DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Damage

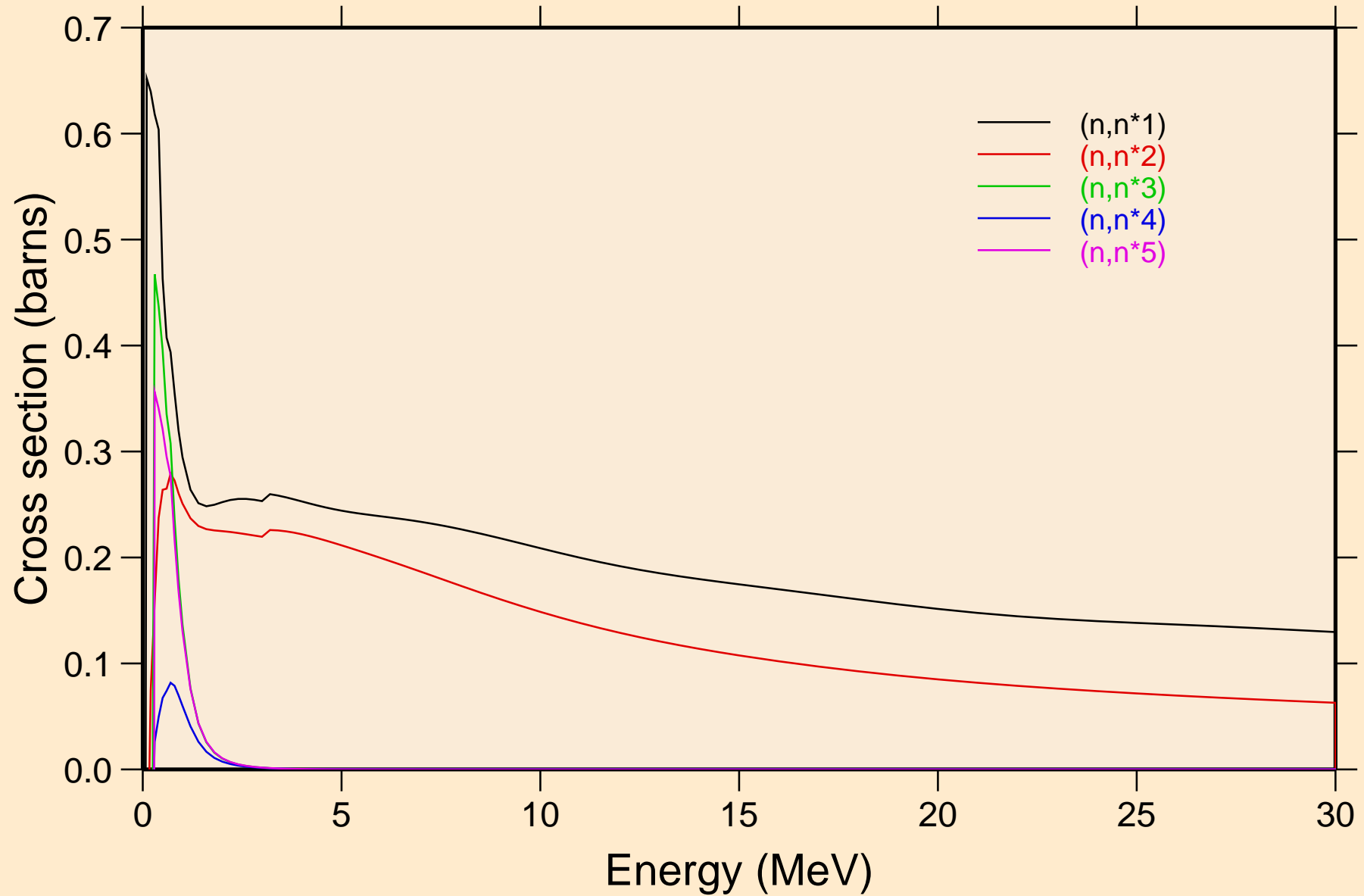


DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions

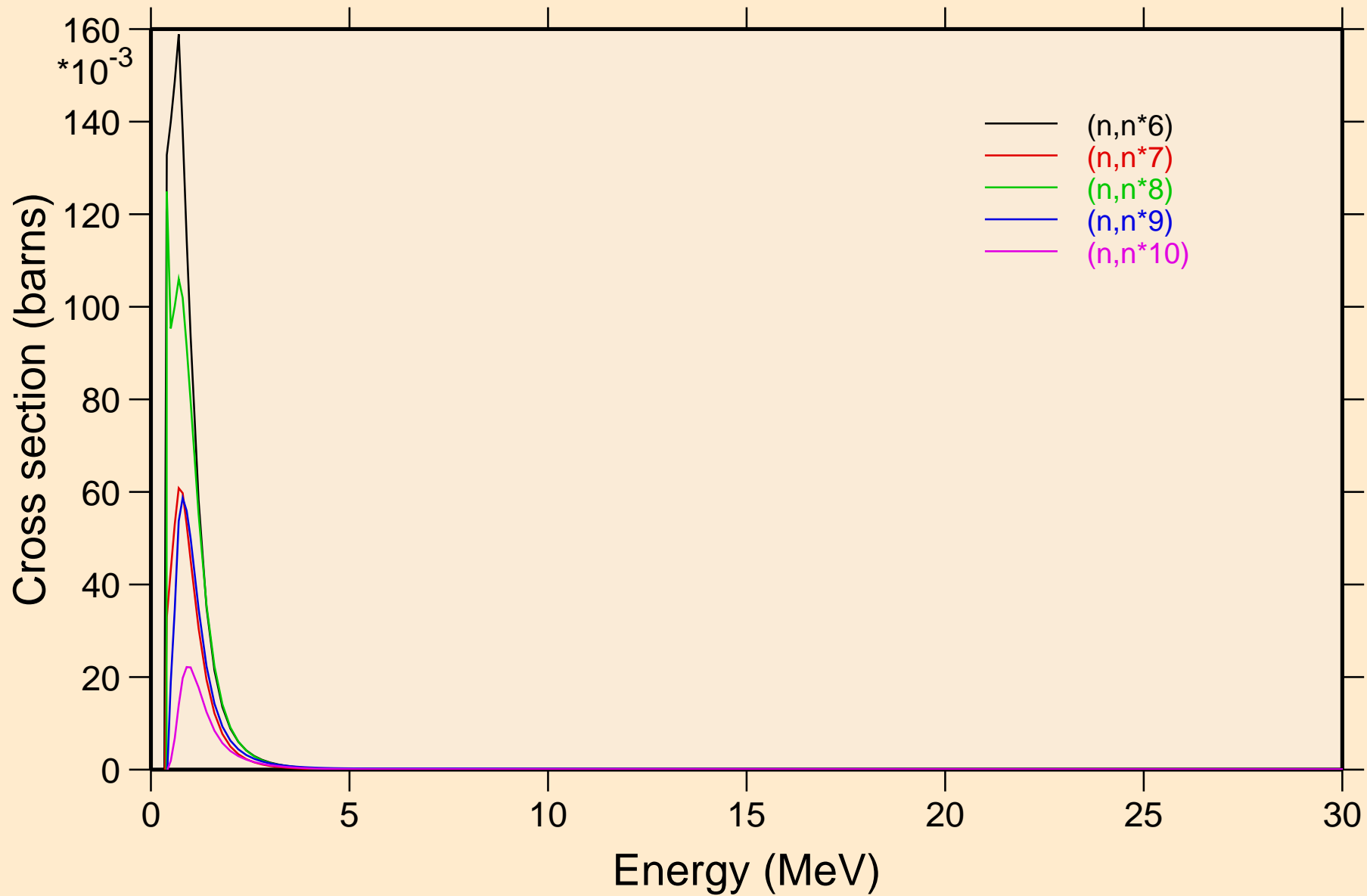




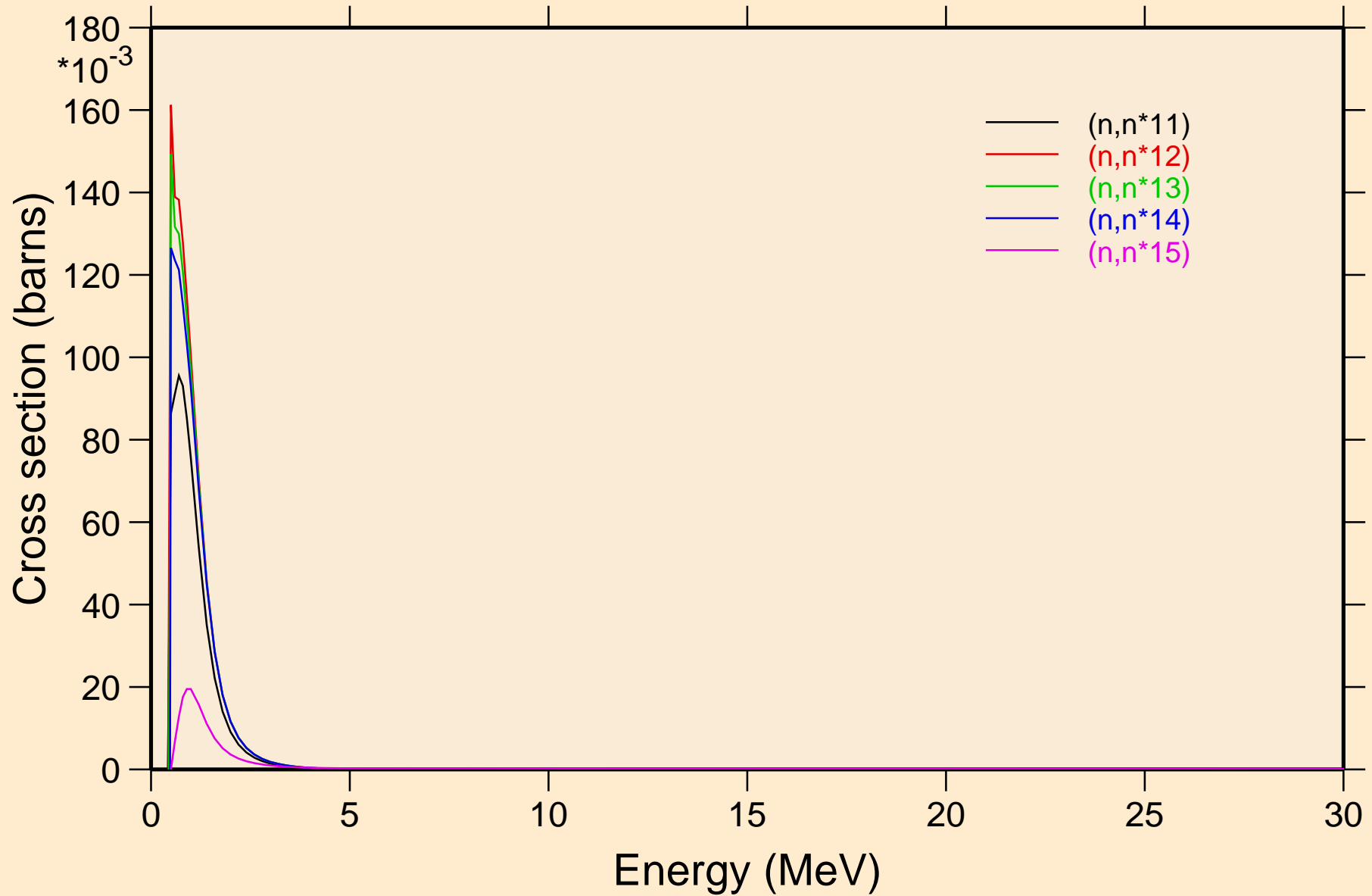
DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



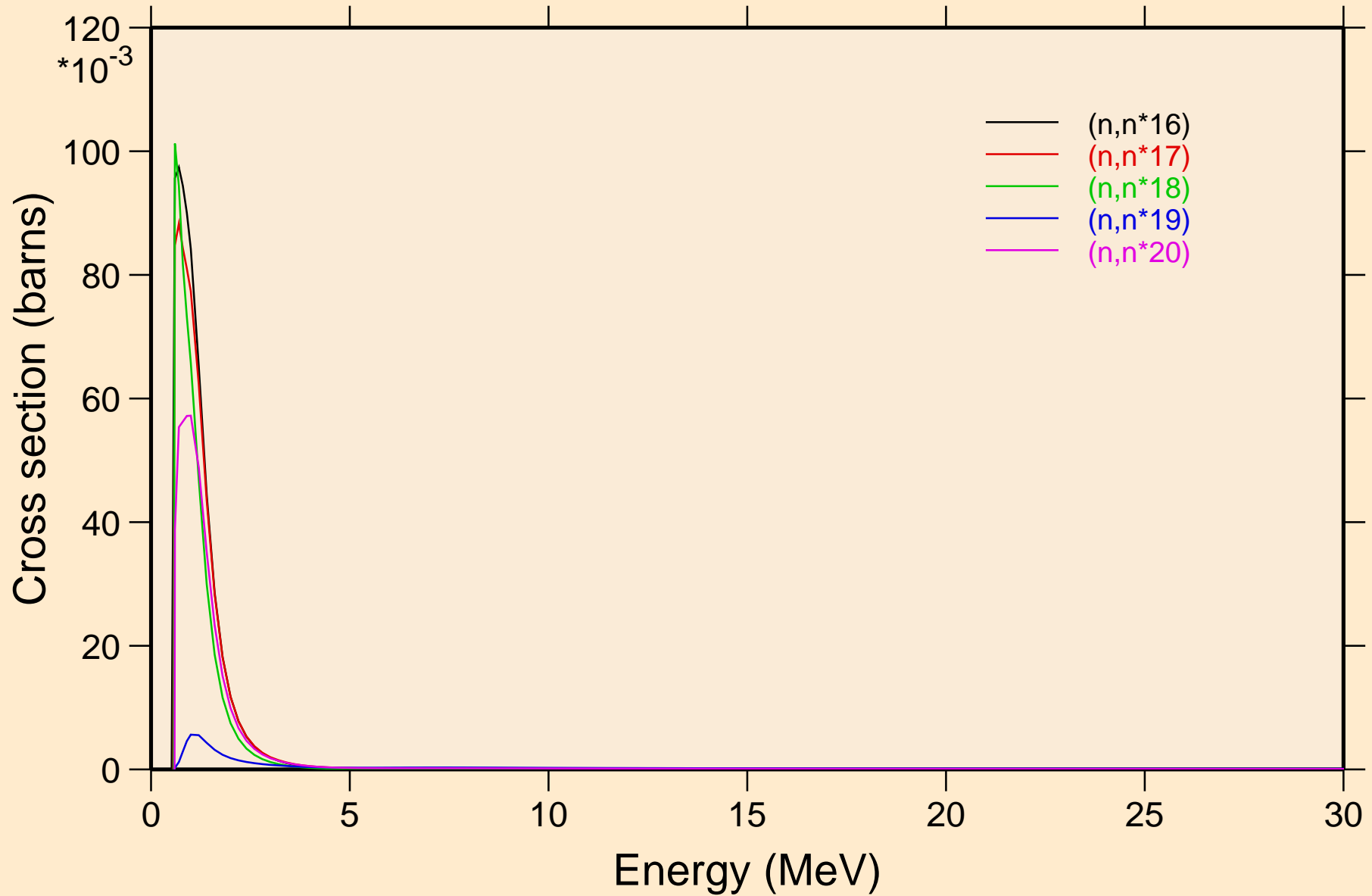
DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



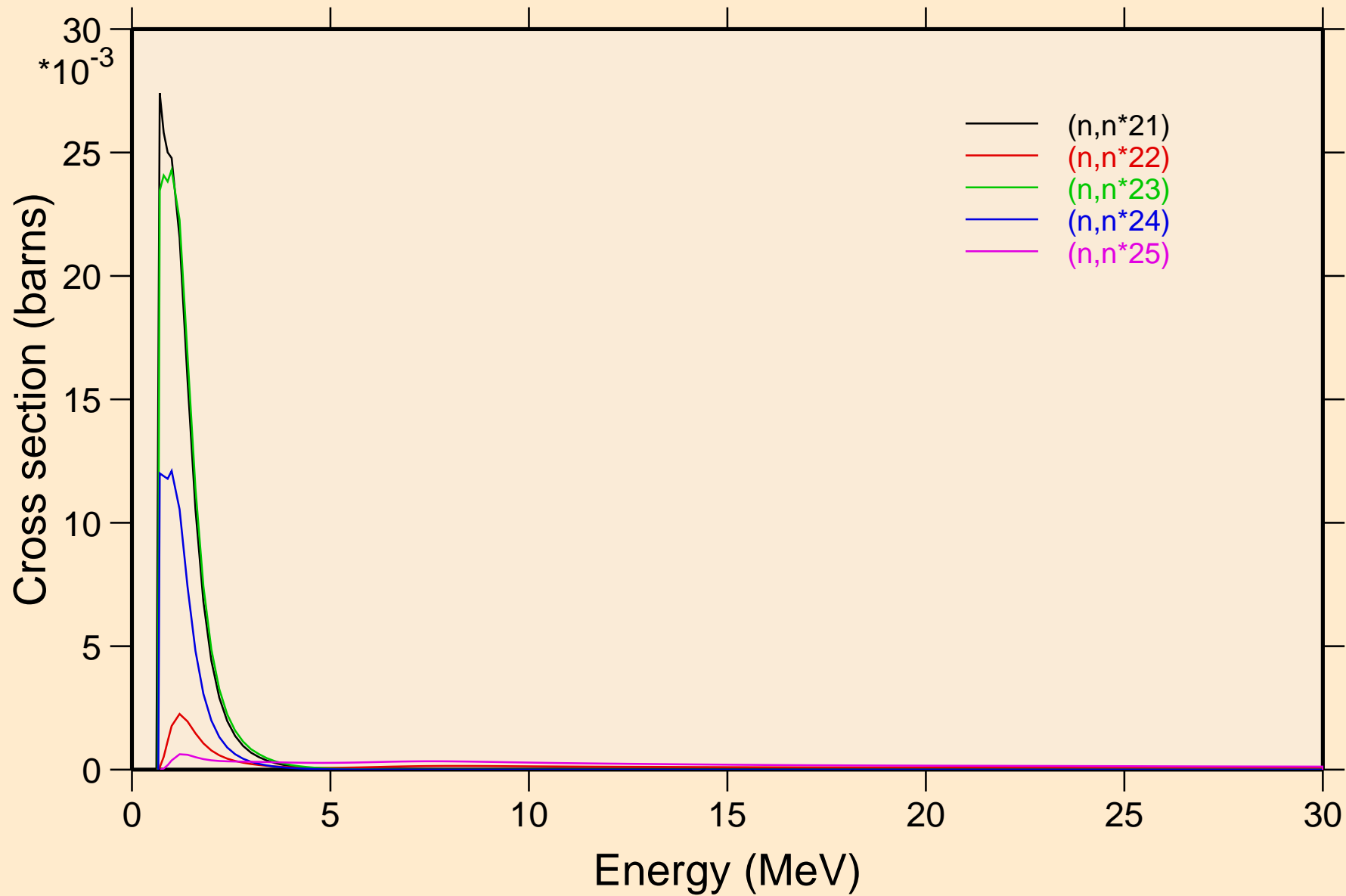
DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



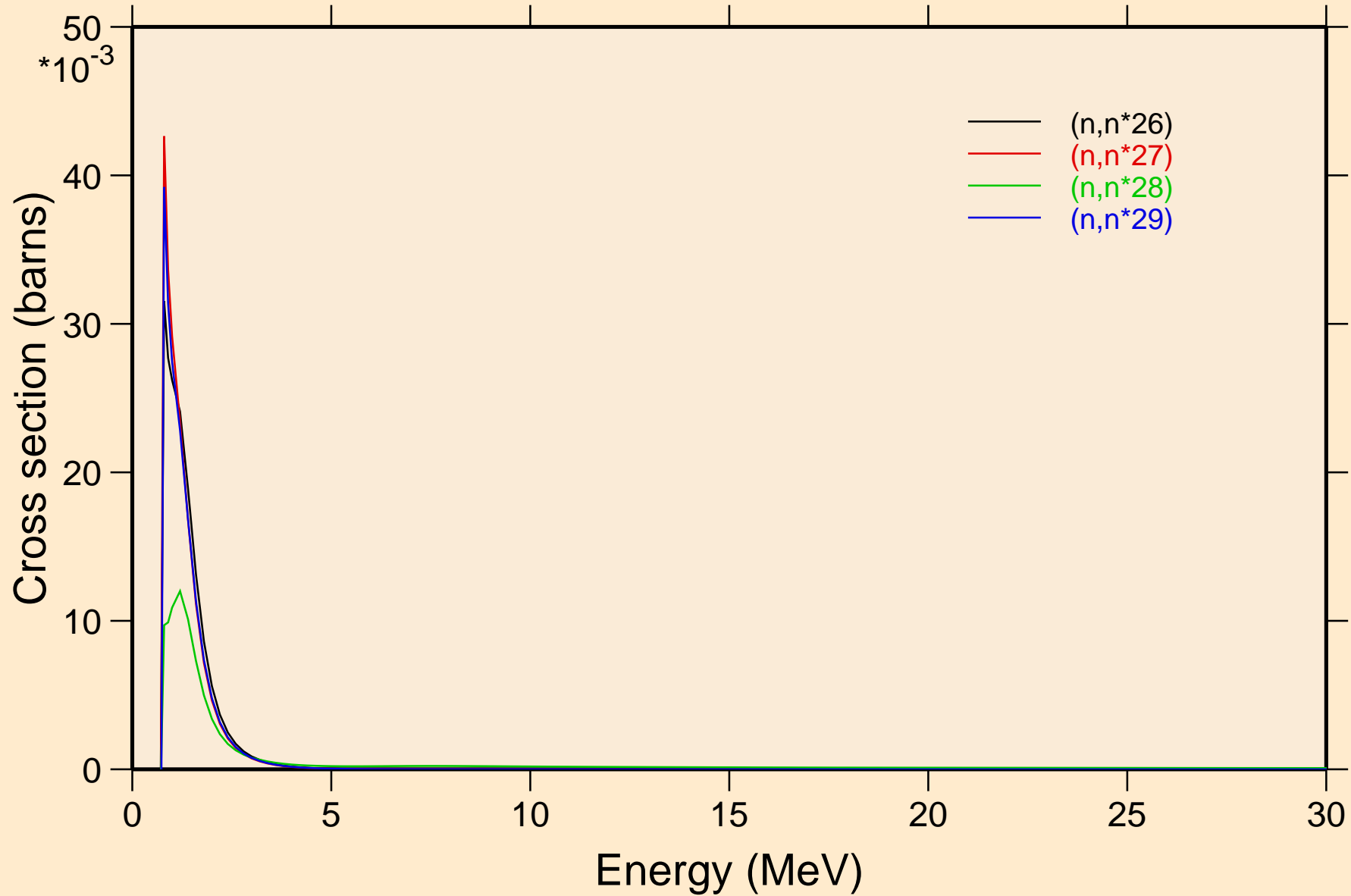
DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



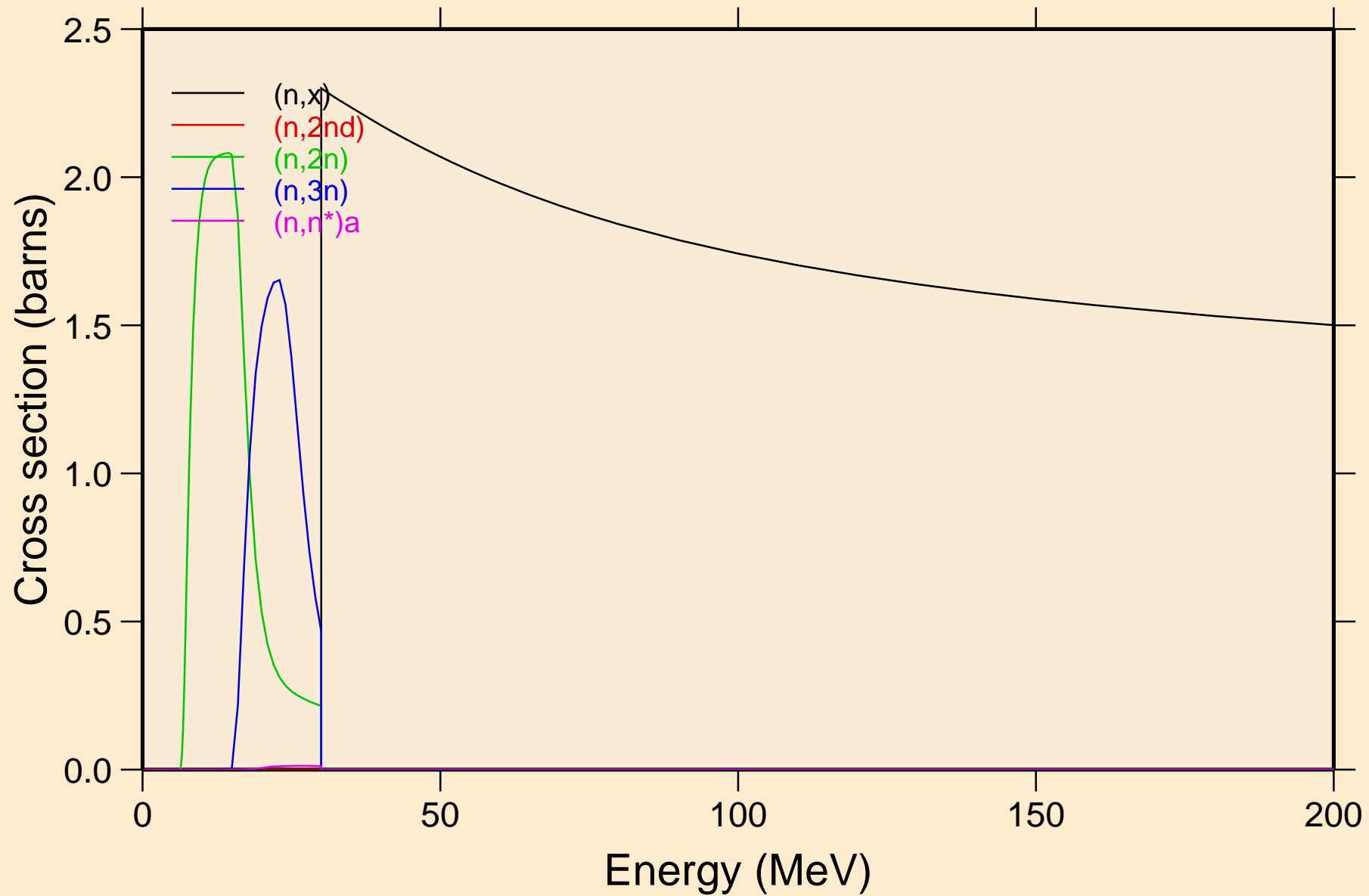
DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



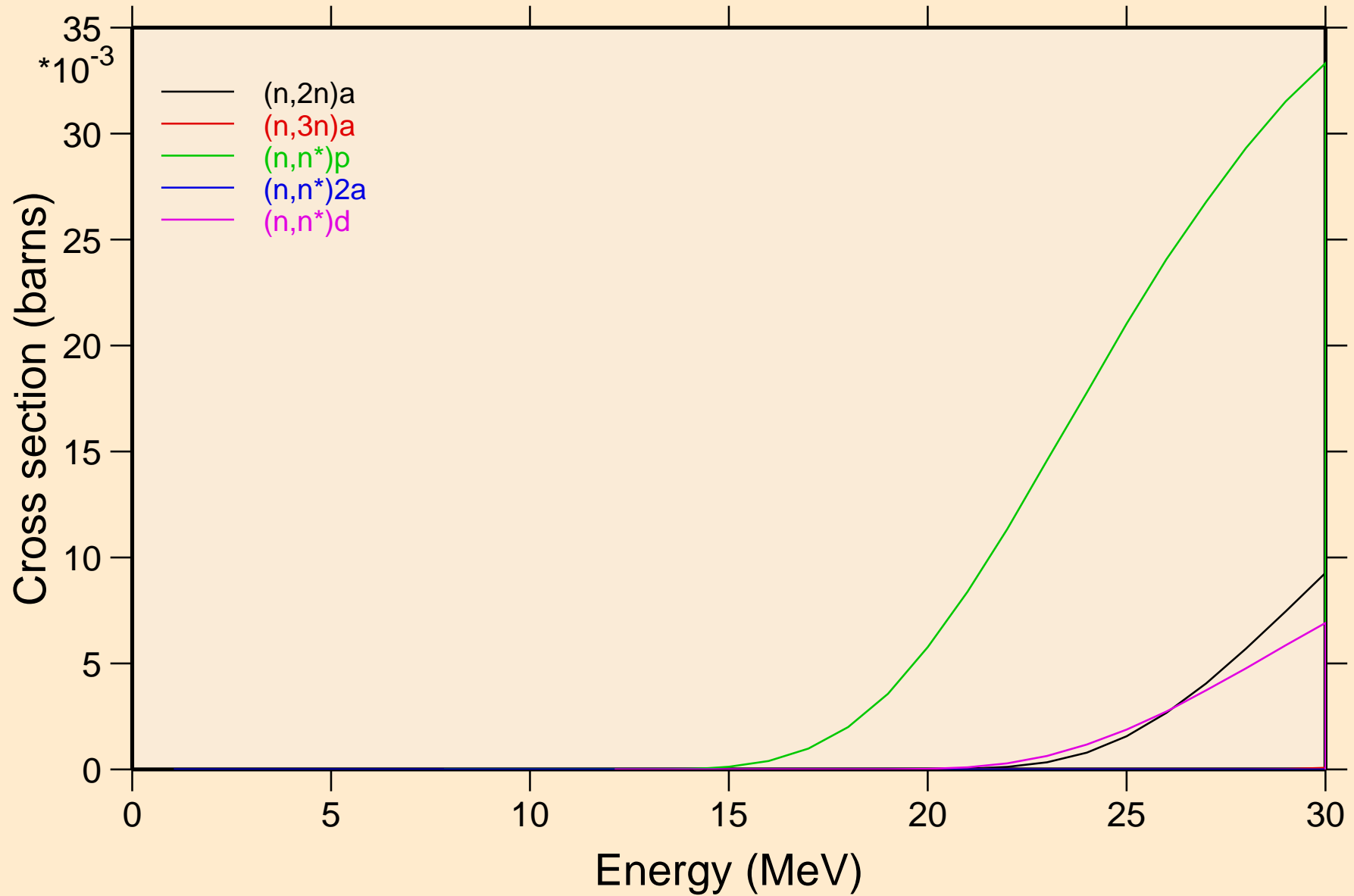
DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions

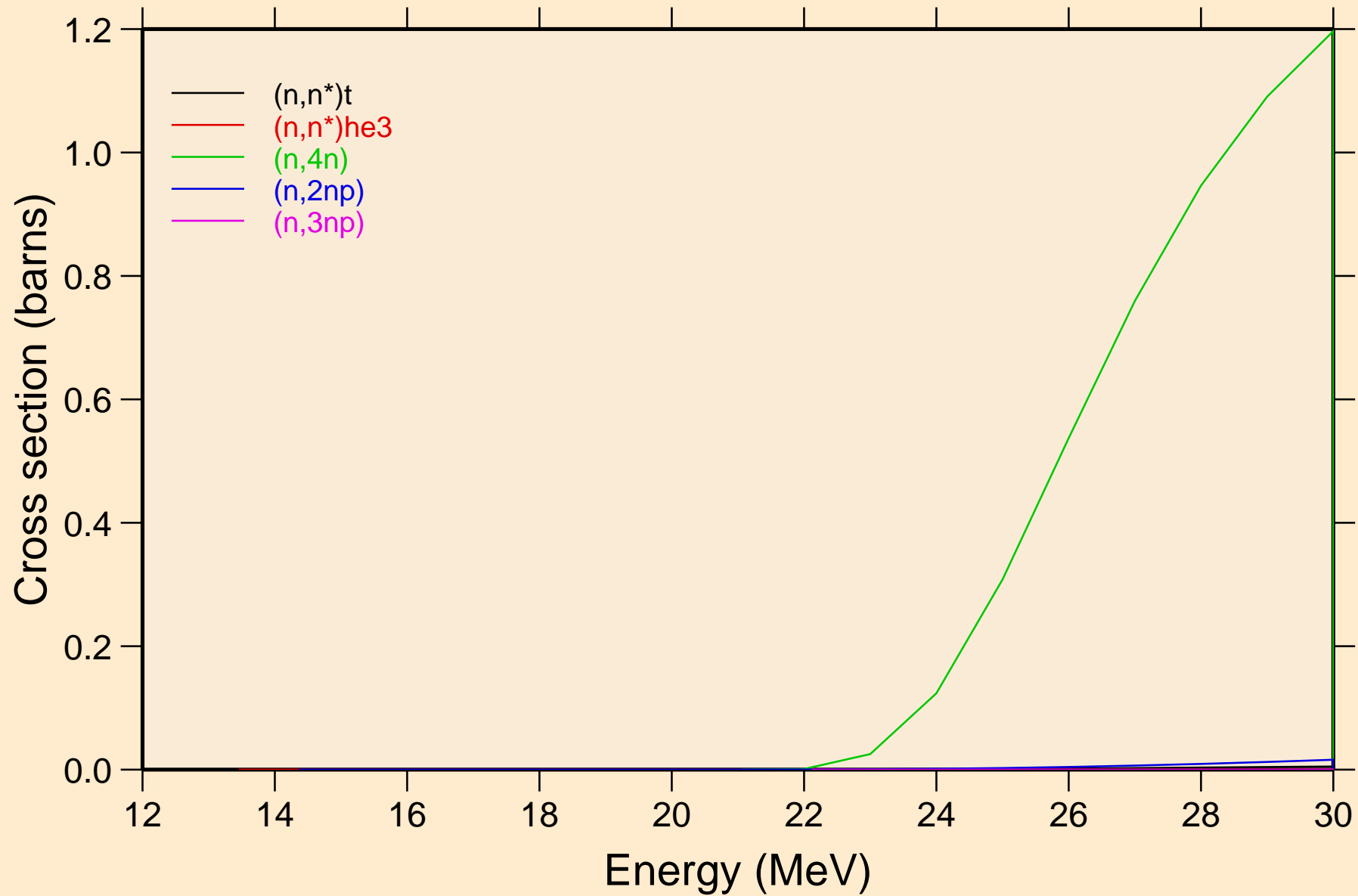


DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions

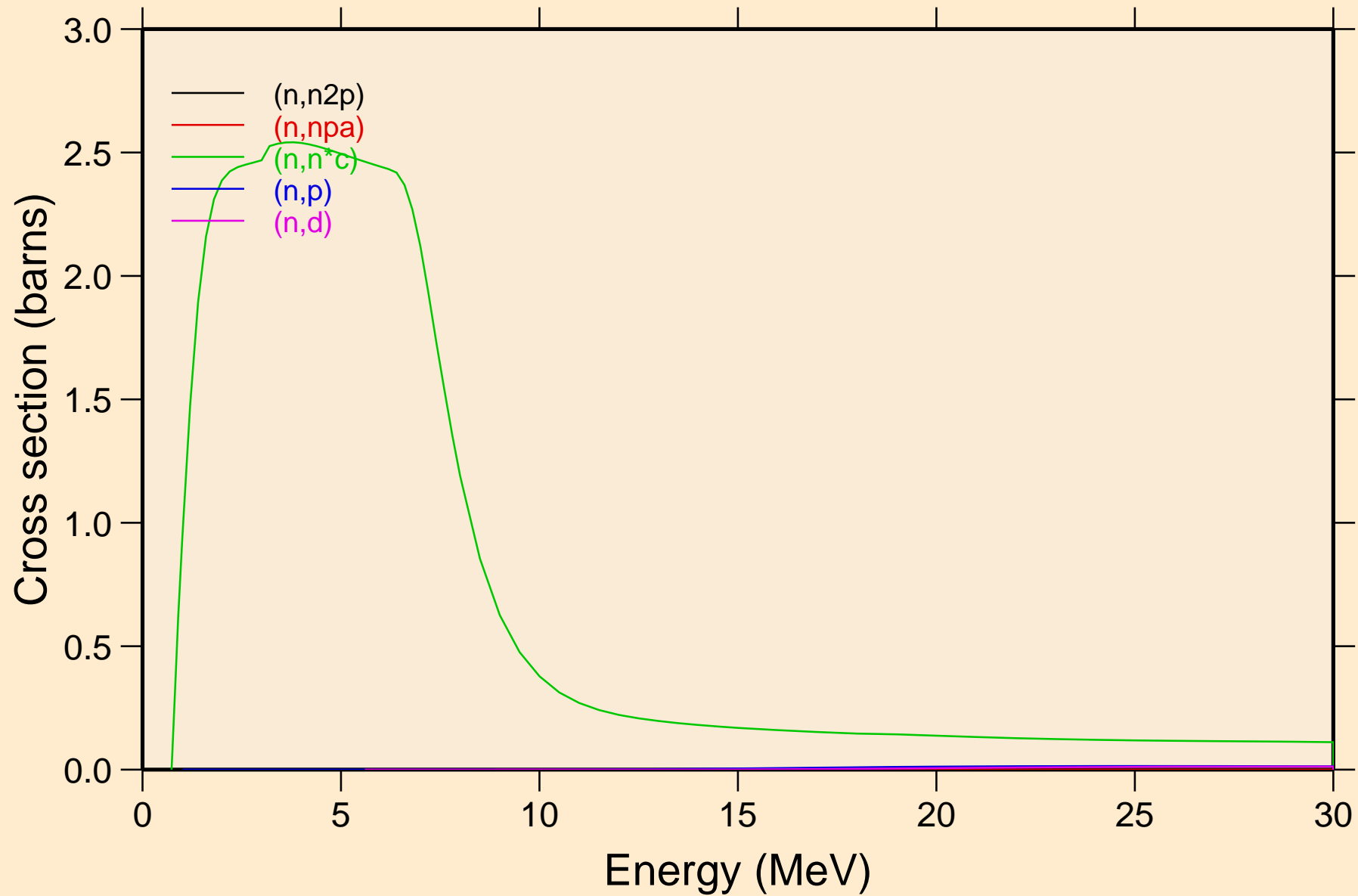




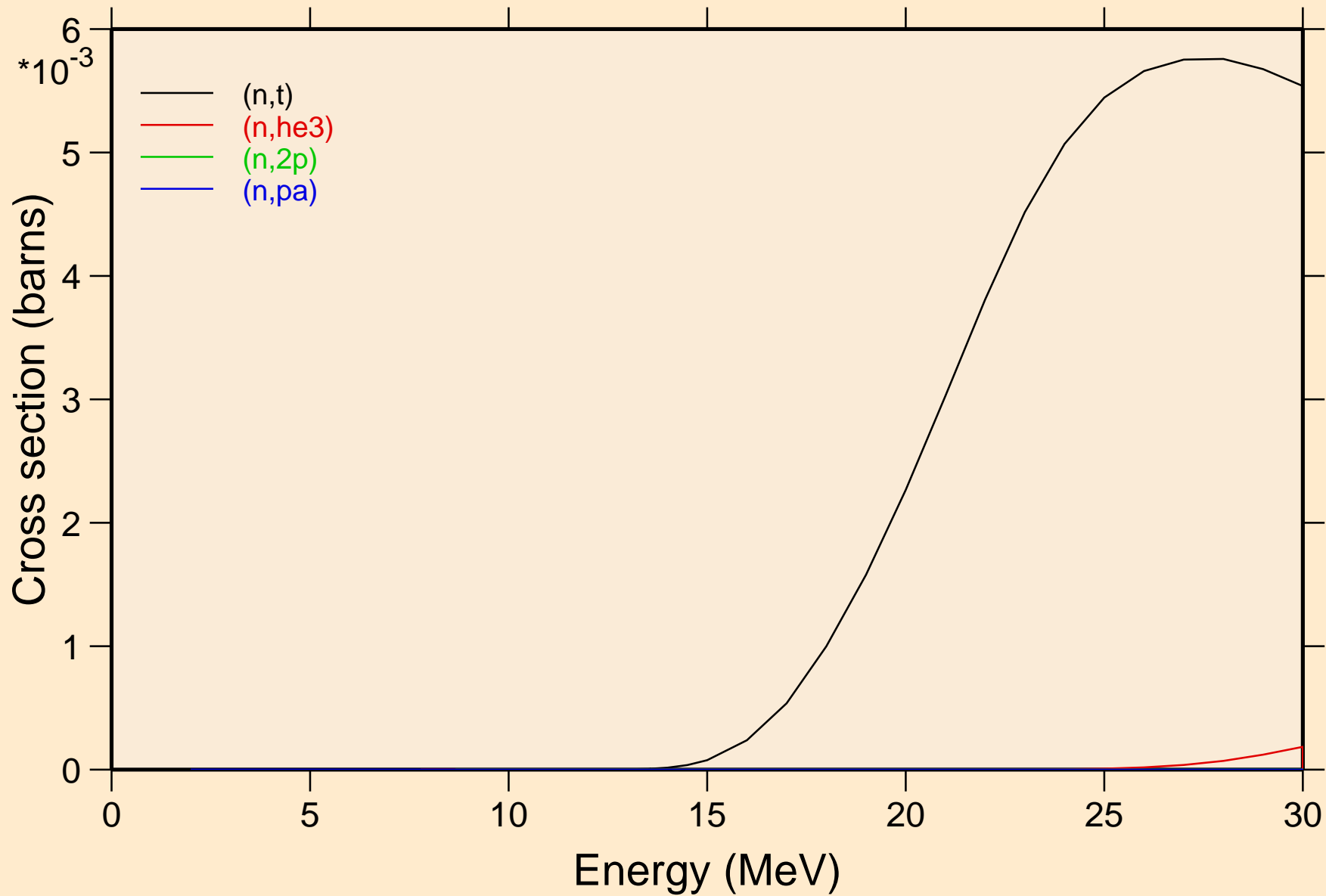
DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



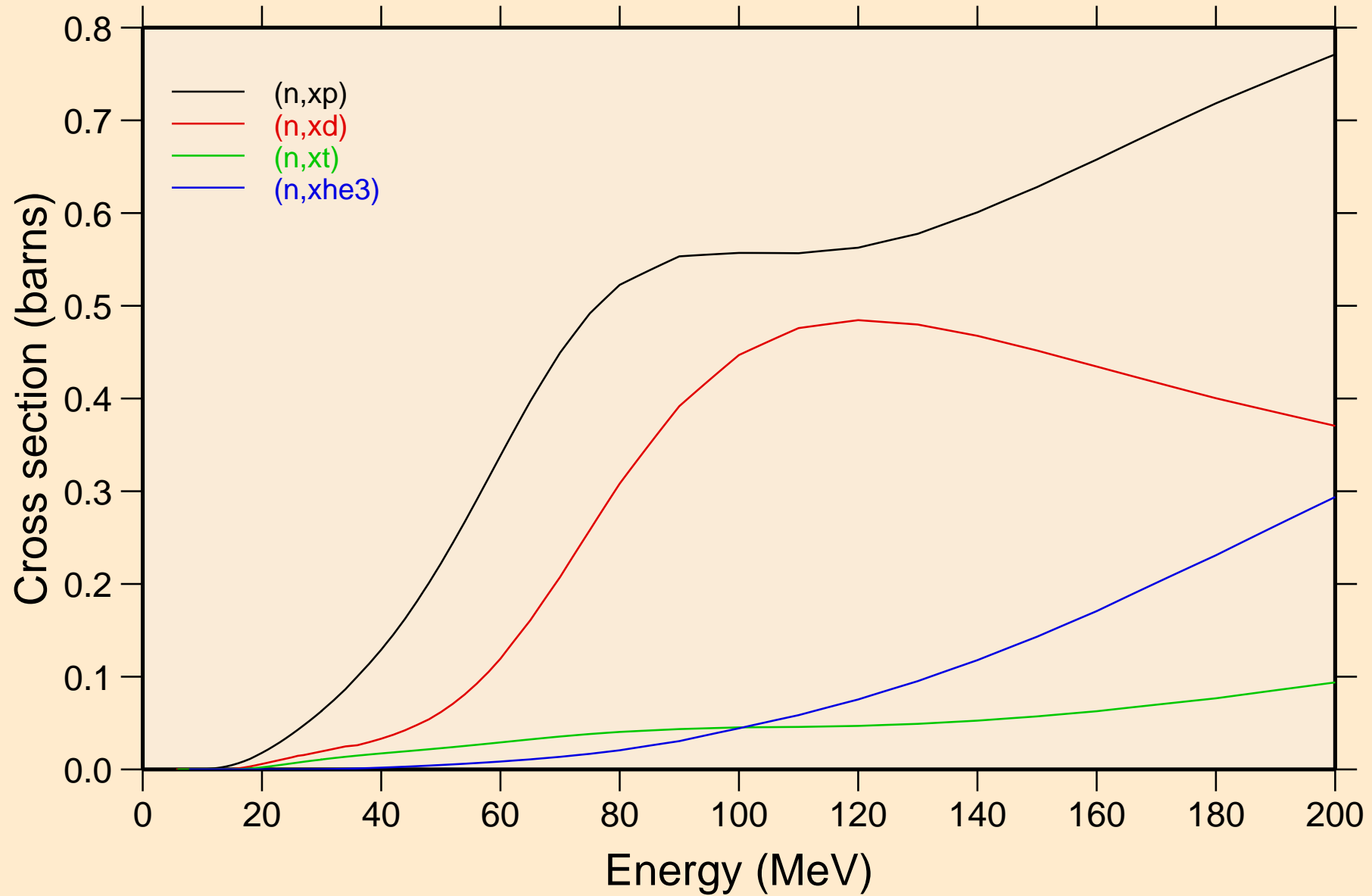
DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



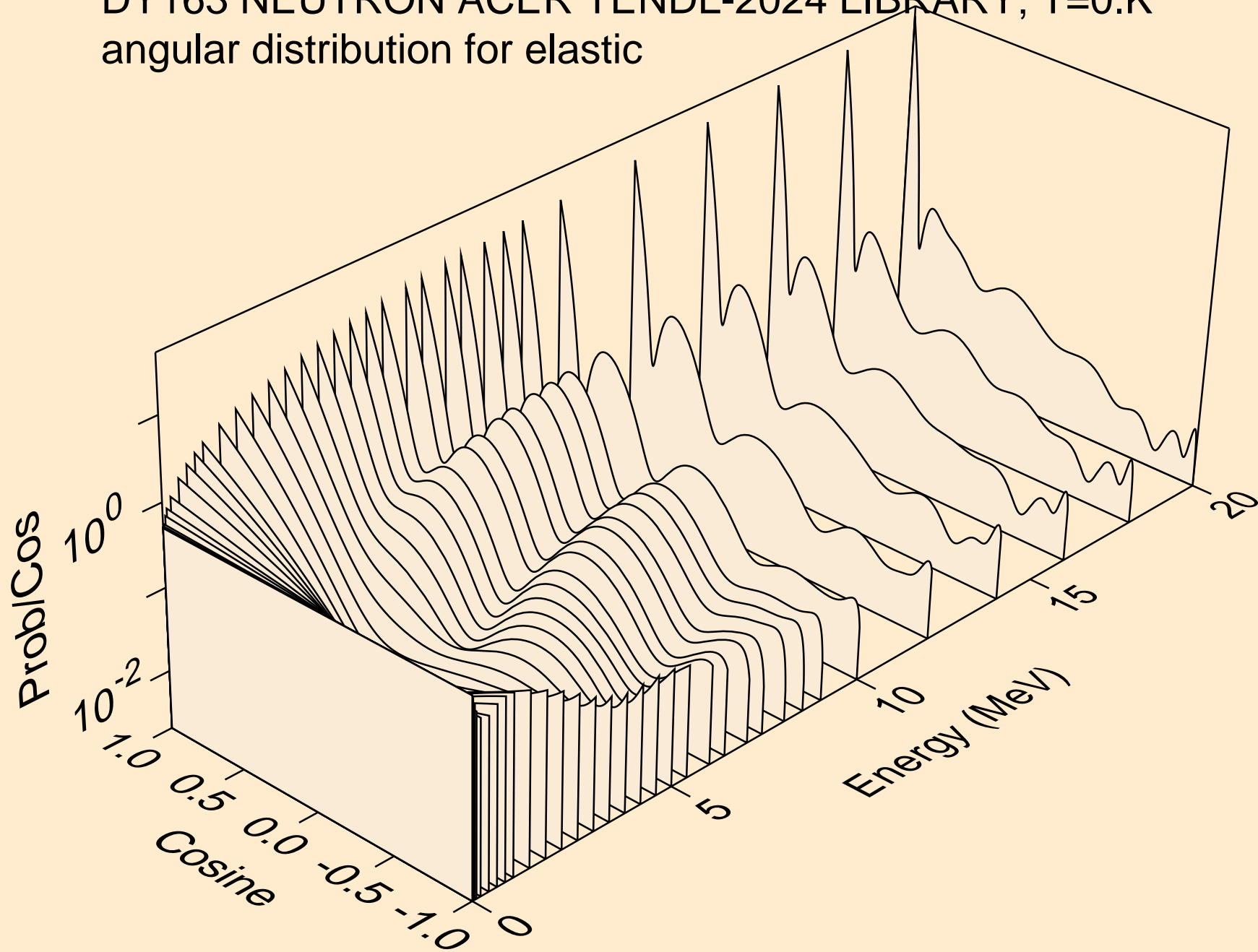
DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



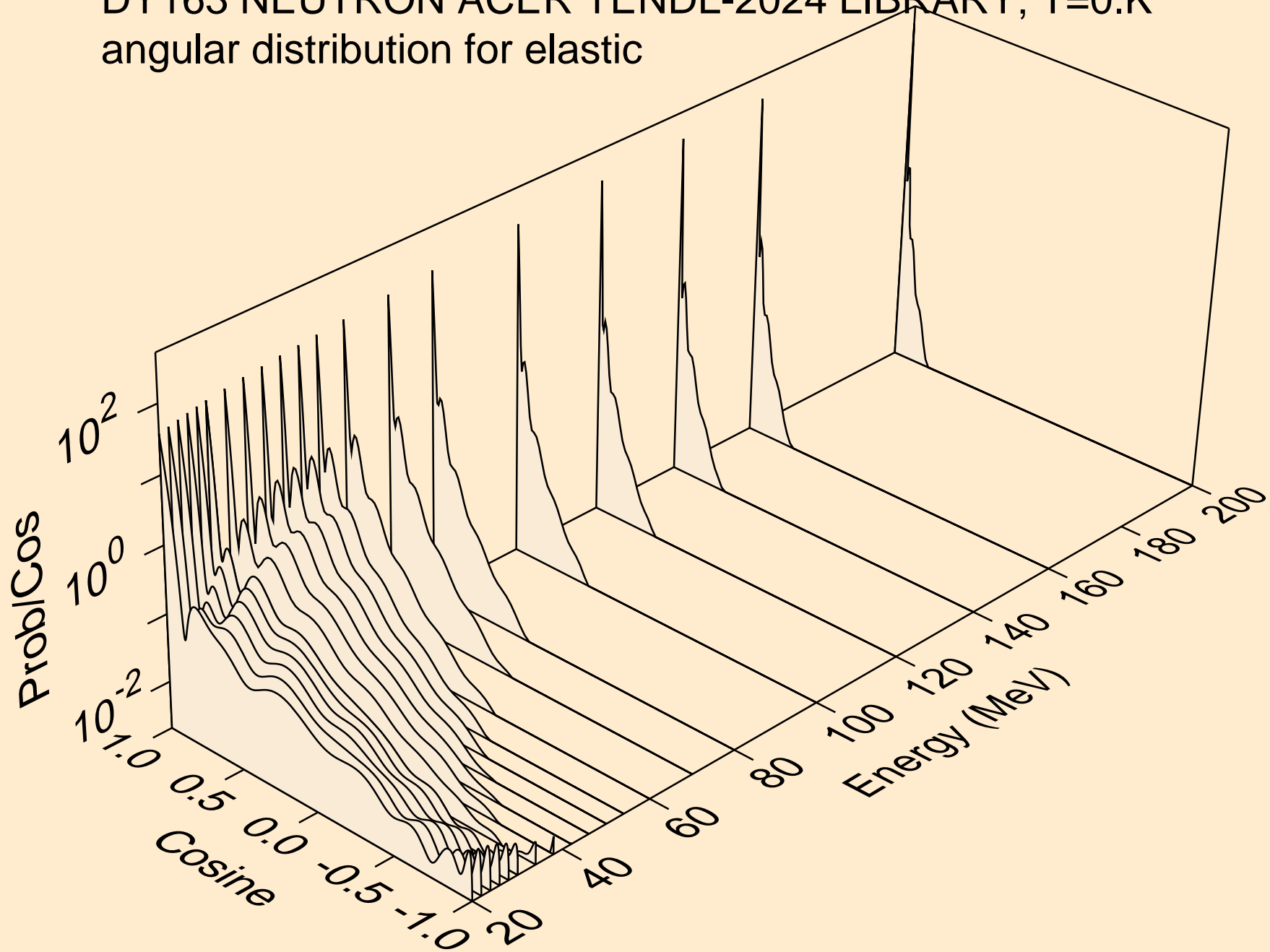
DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



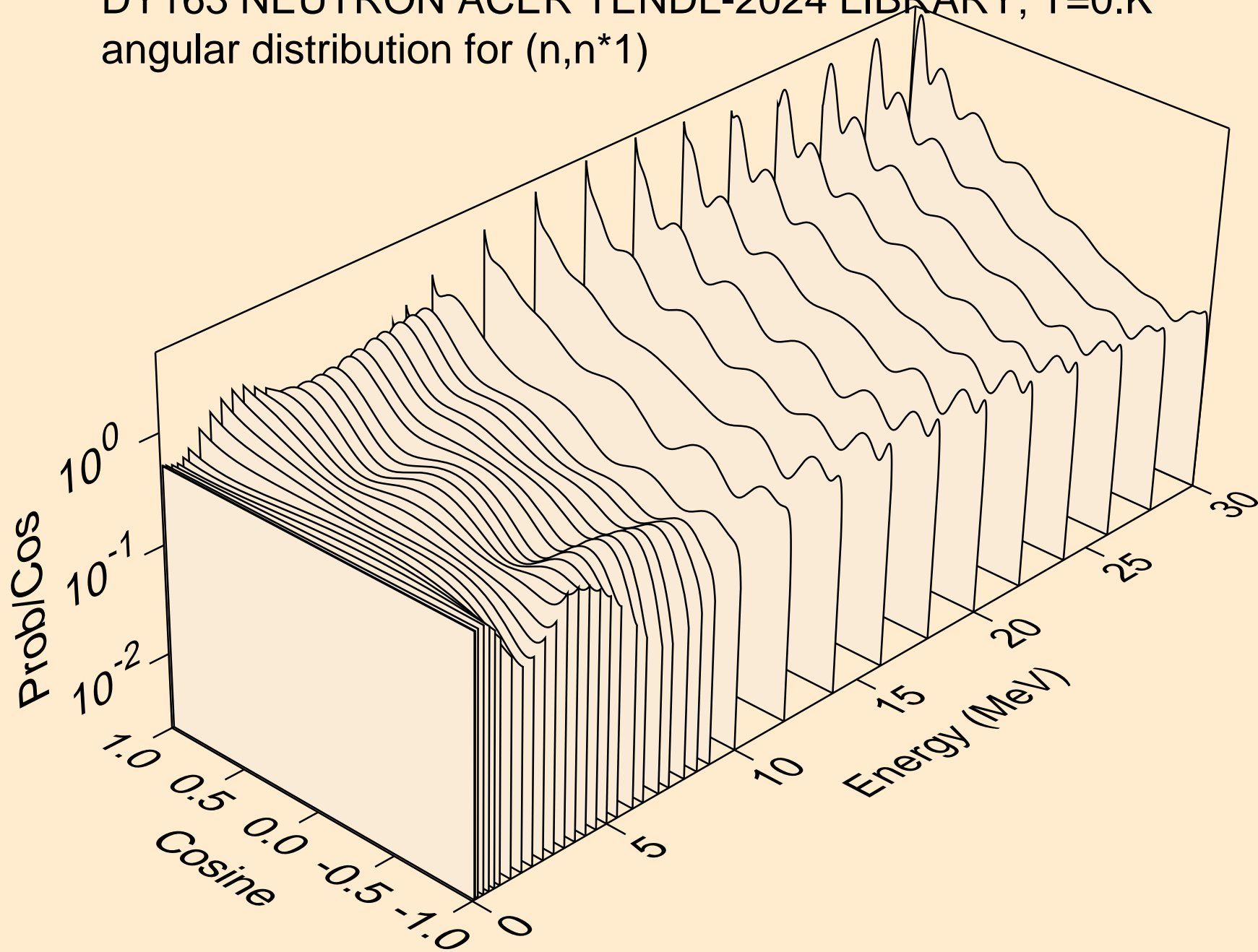
DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



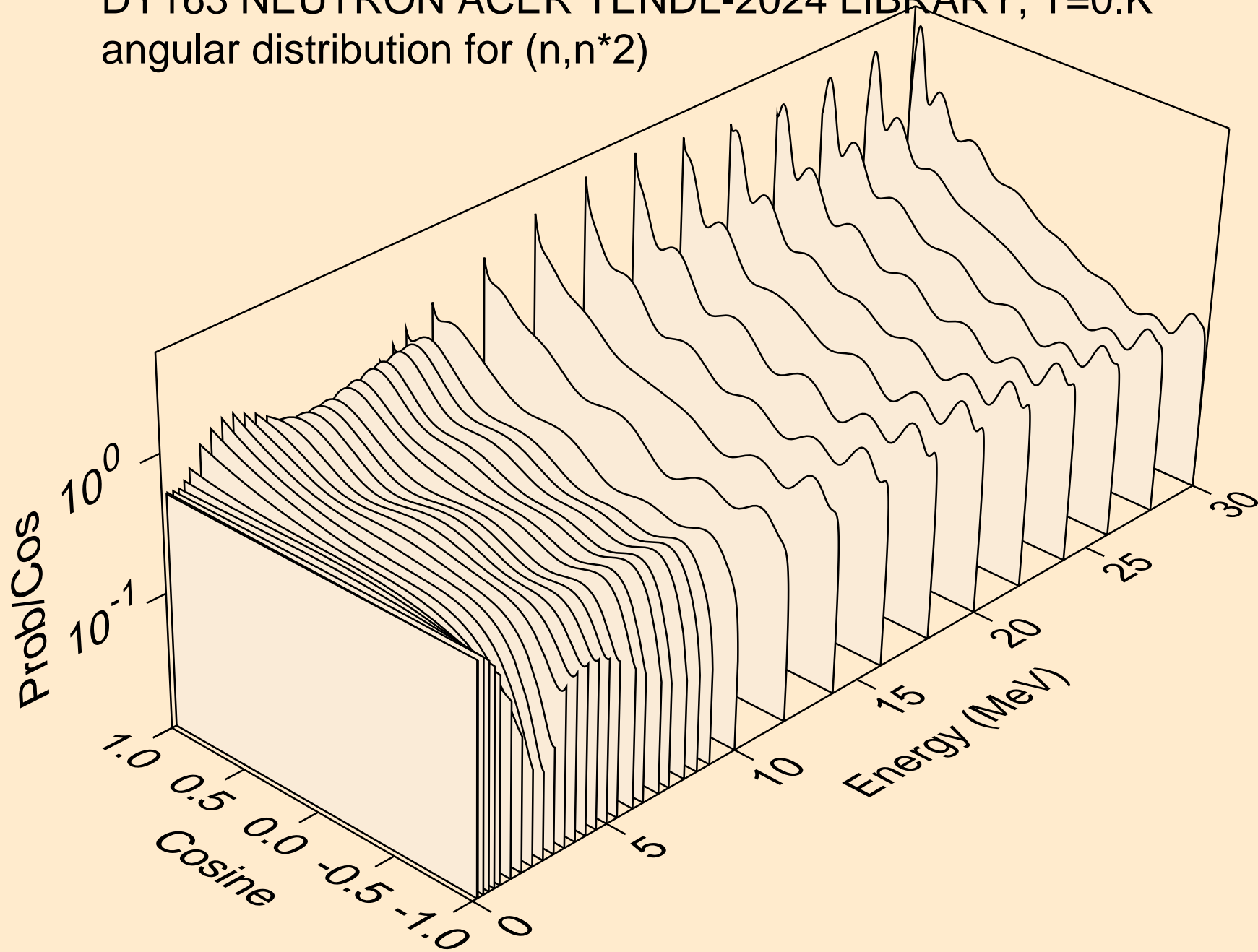
DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*1)

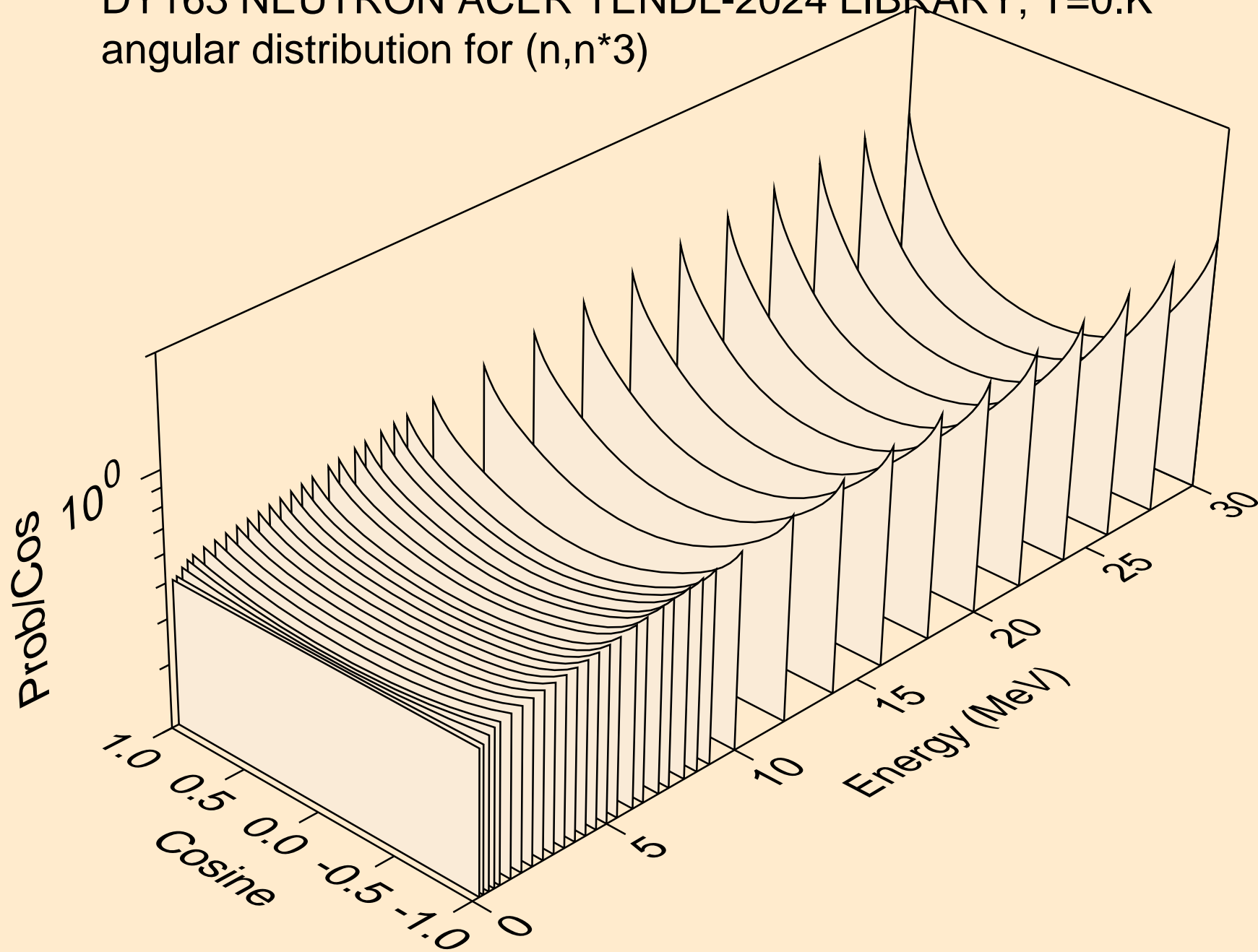


DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*2)

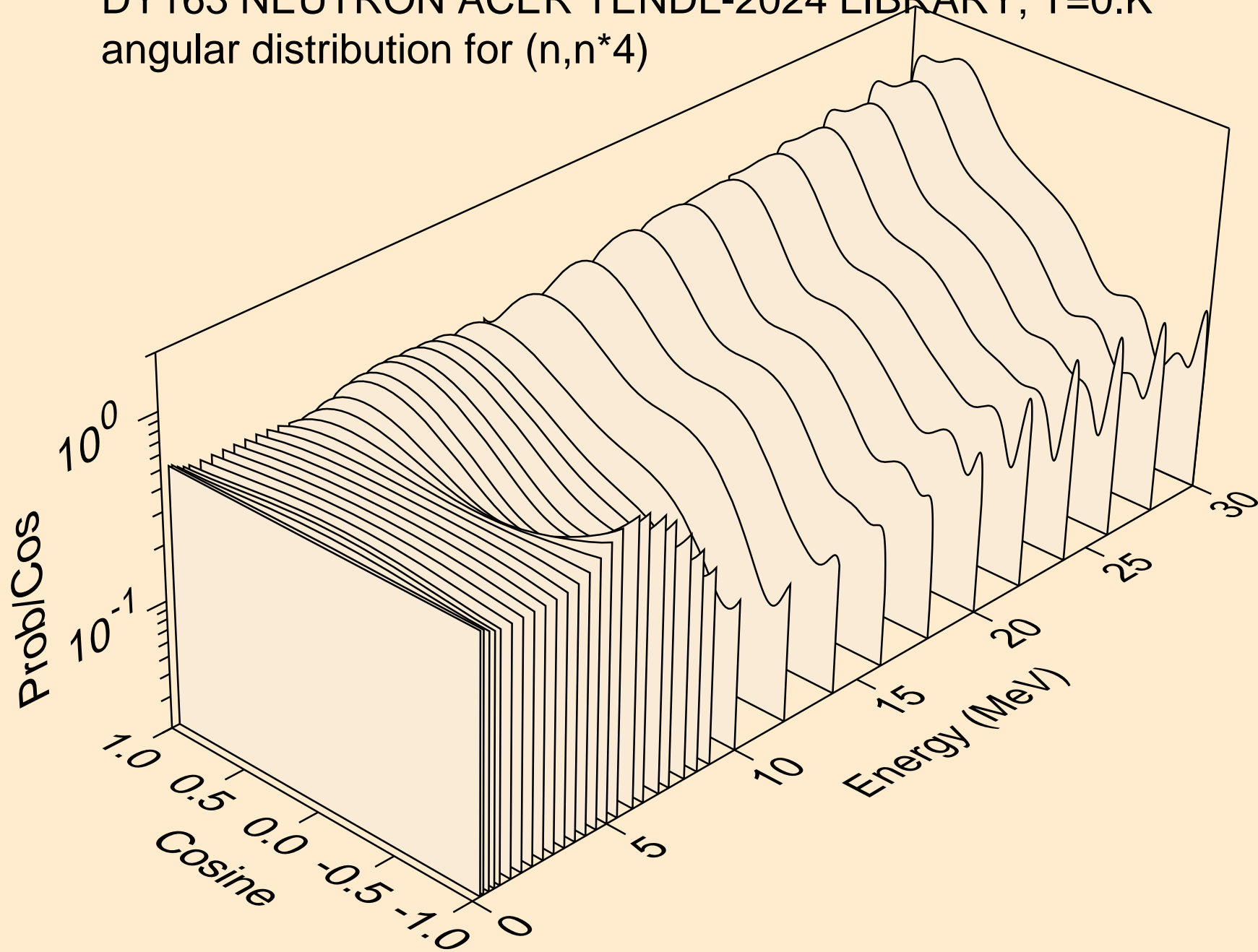




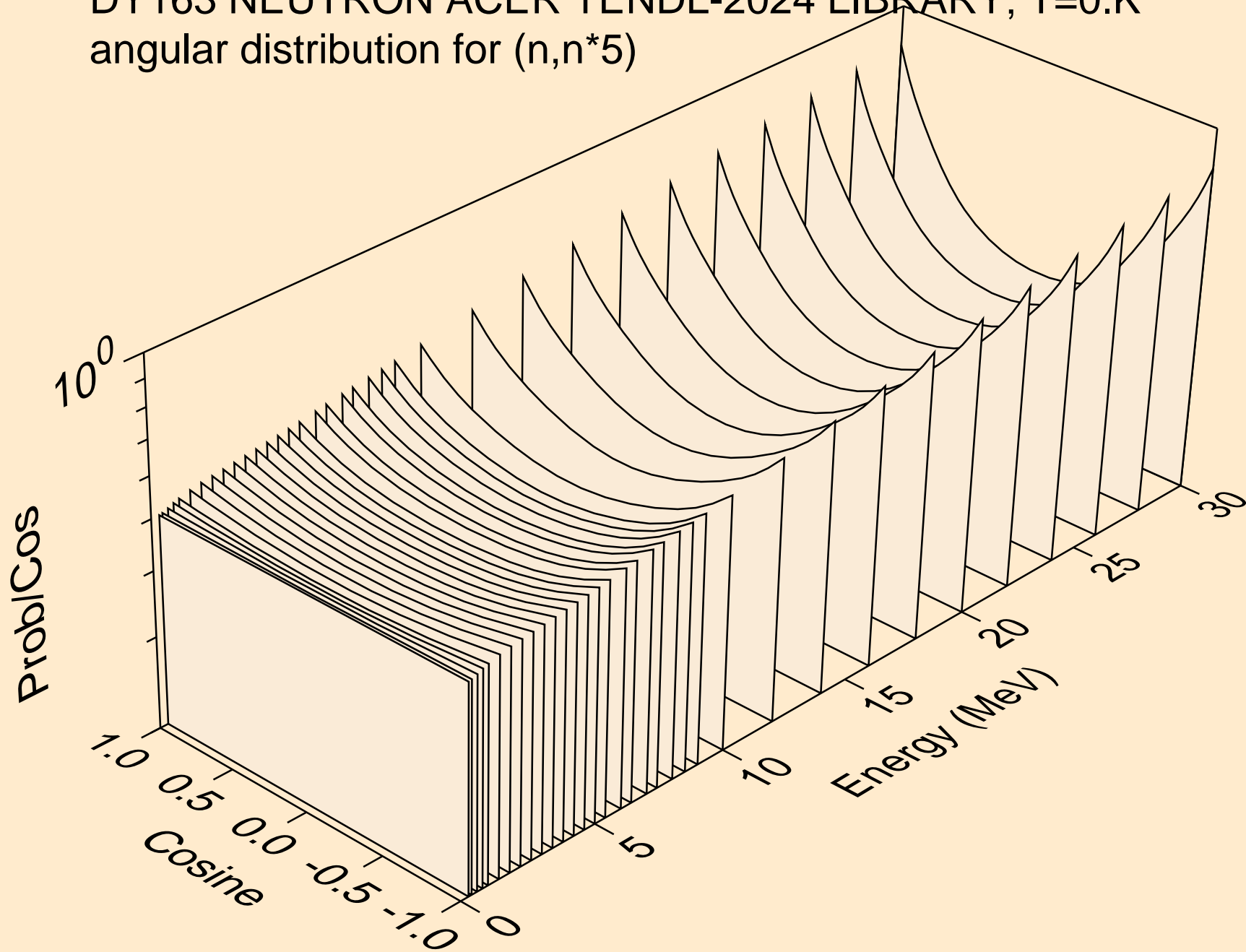
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angular distribution for (n,n\*3)



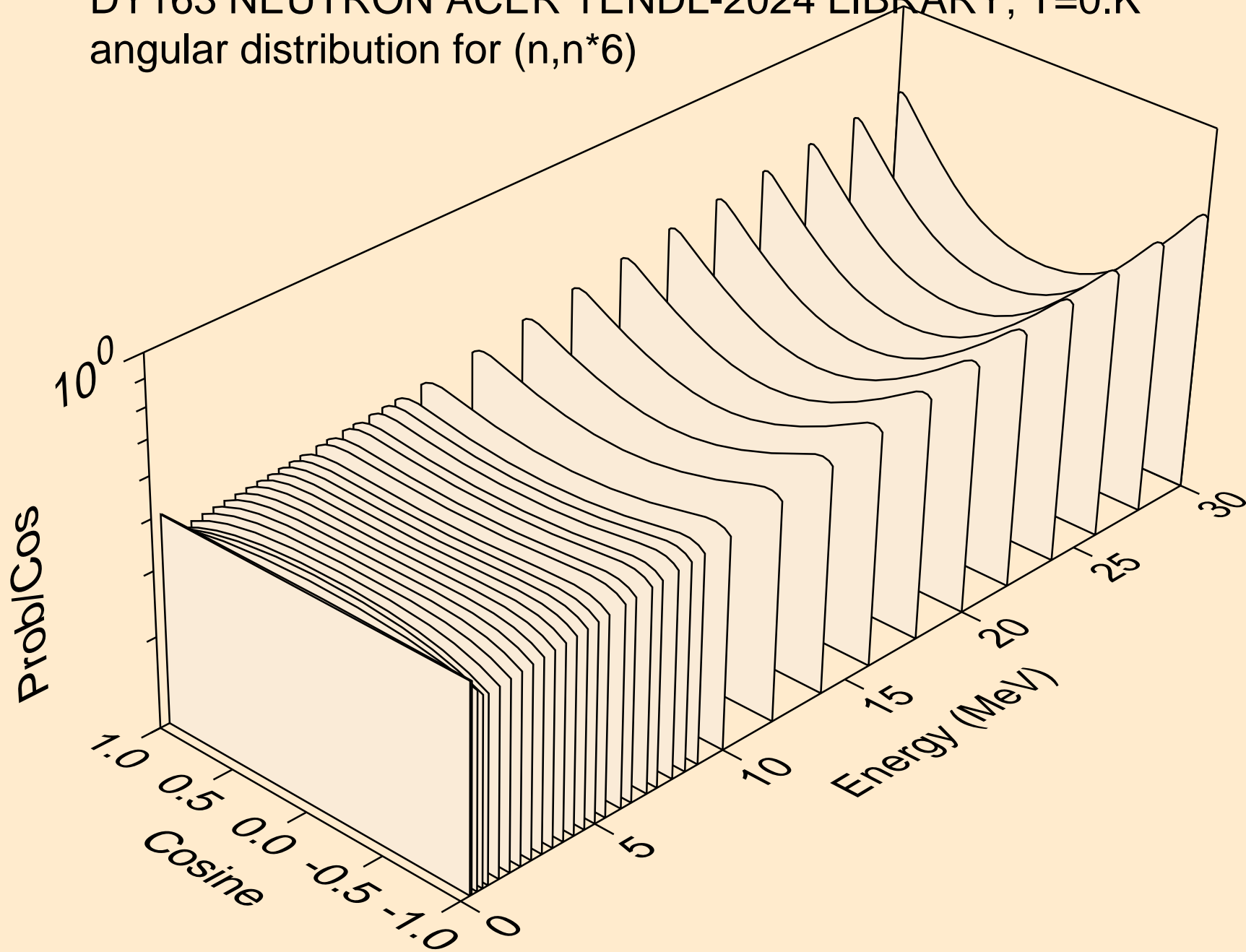
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angular distribution for (n,n\*4)



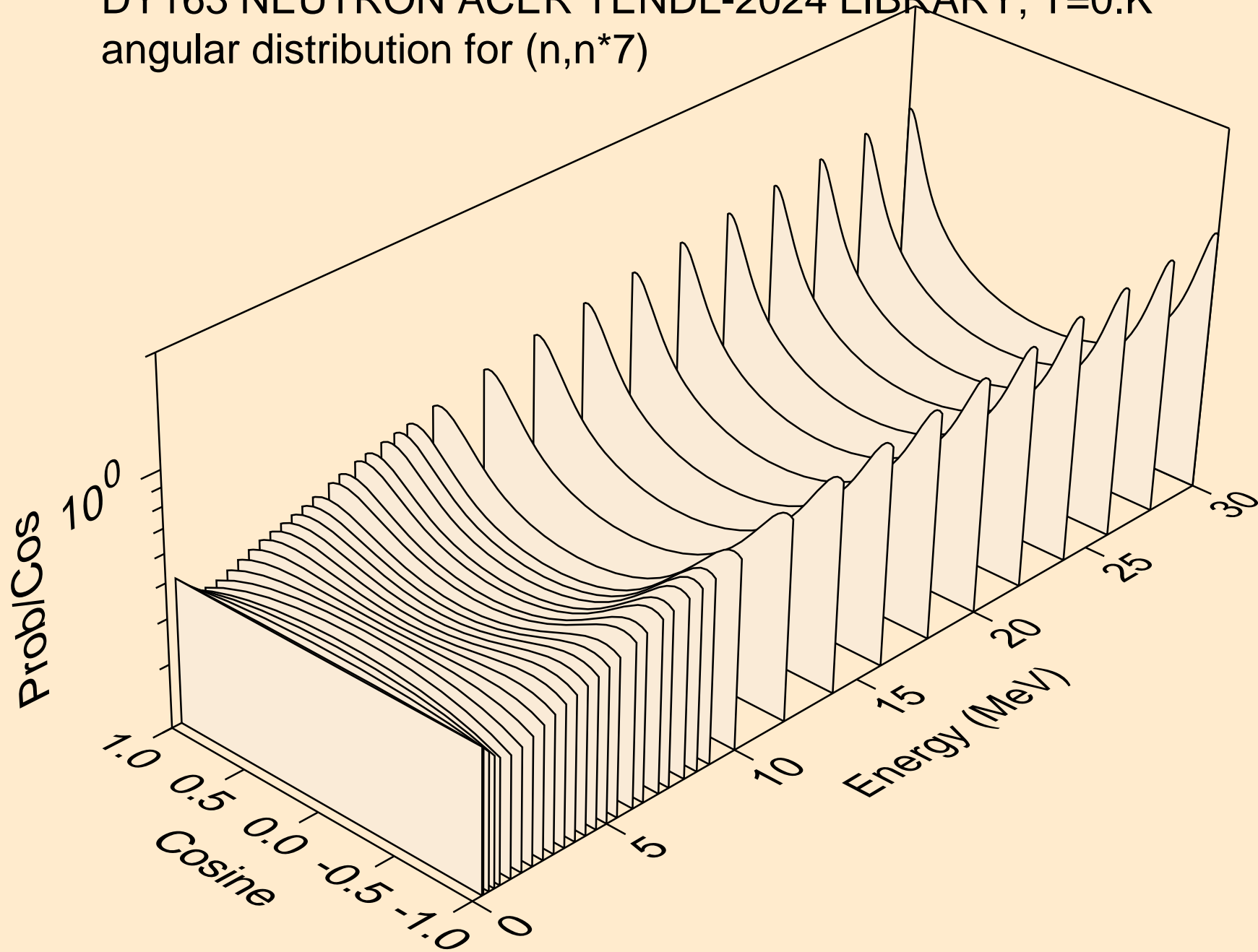
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angular distribution for (n,n\*5)



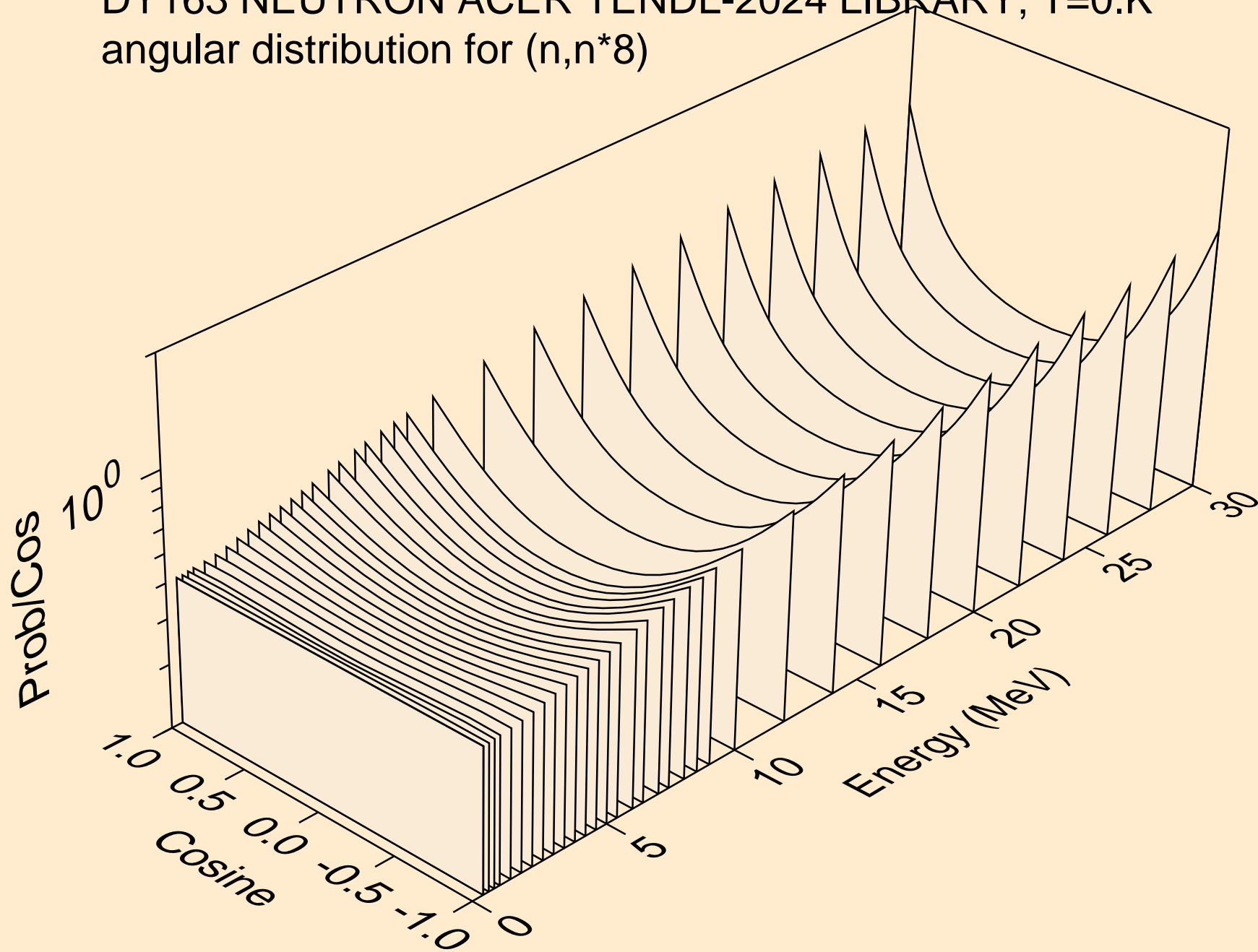
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angular distribution for (n,n\*6)



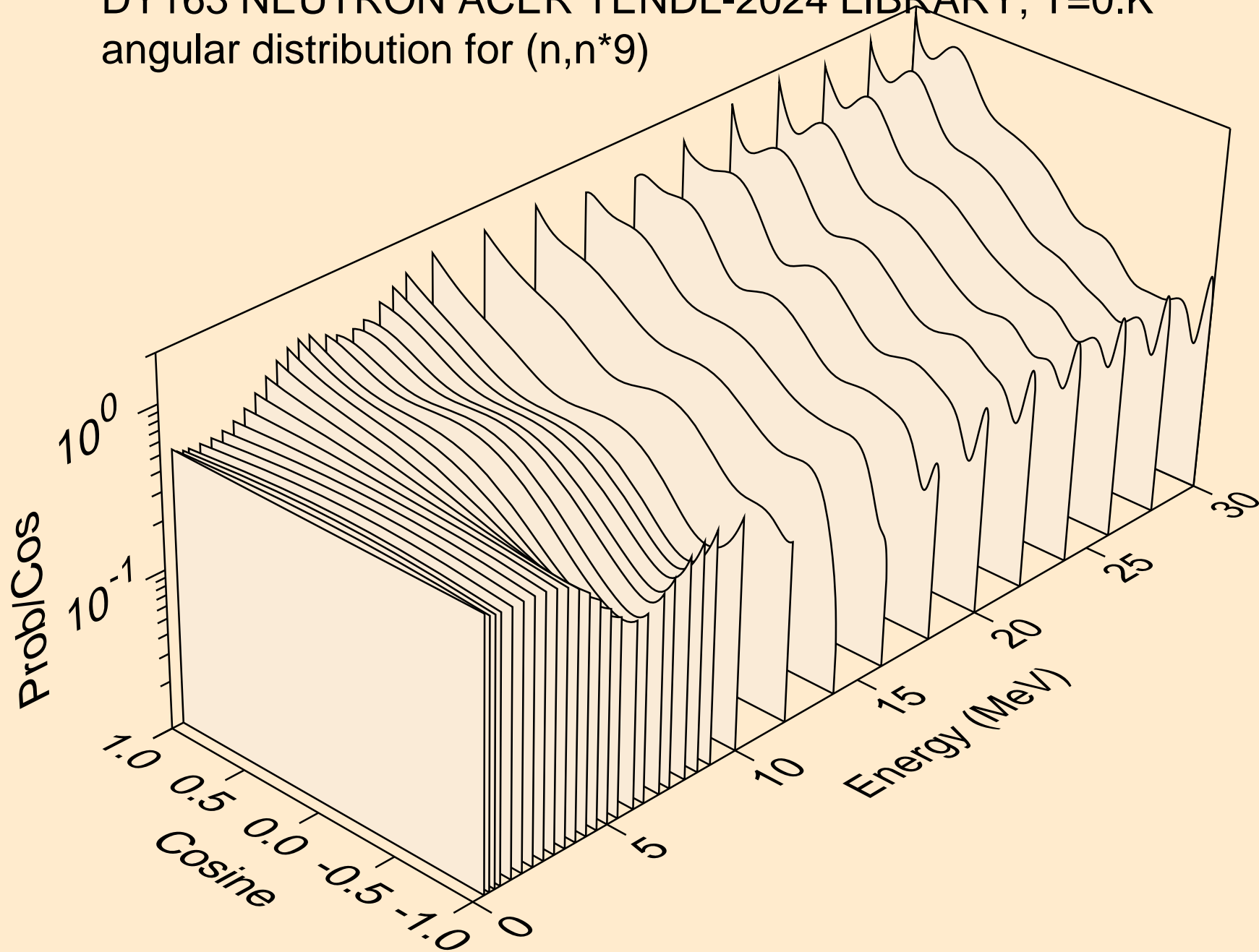
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angular distribution for (n,n\*7)



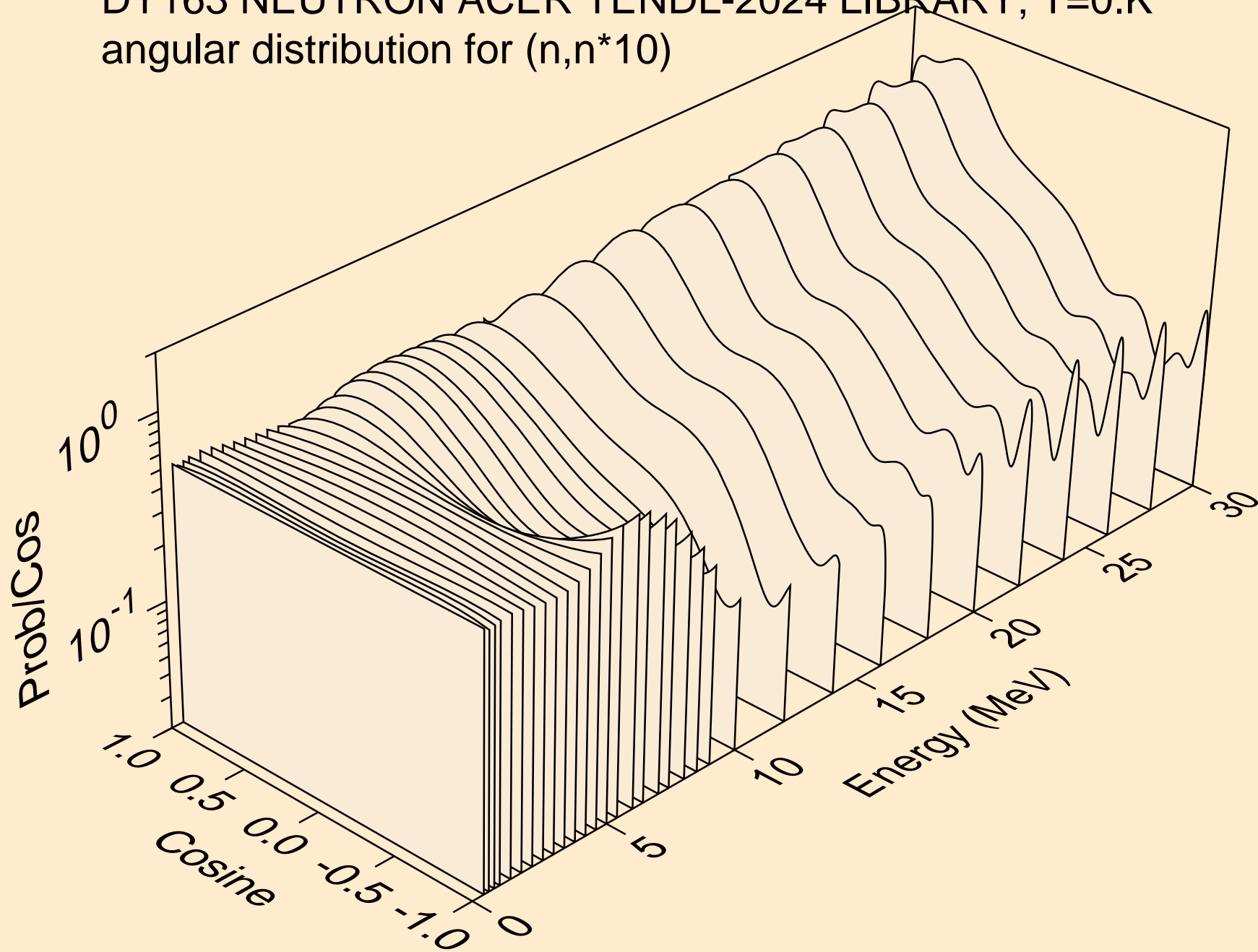
DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*8)



DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*9)

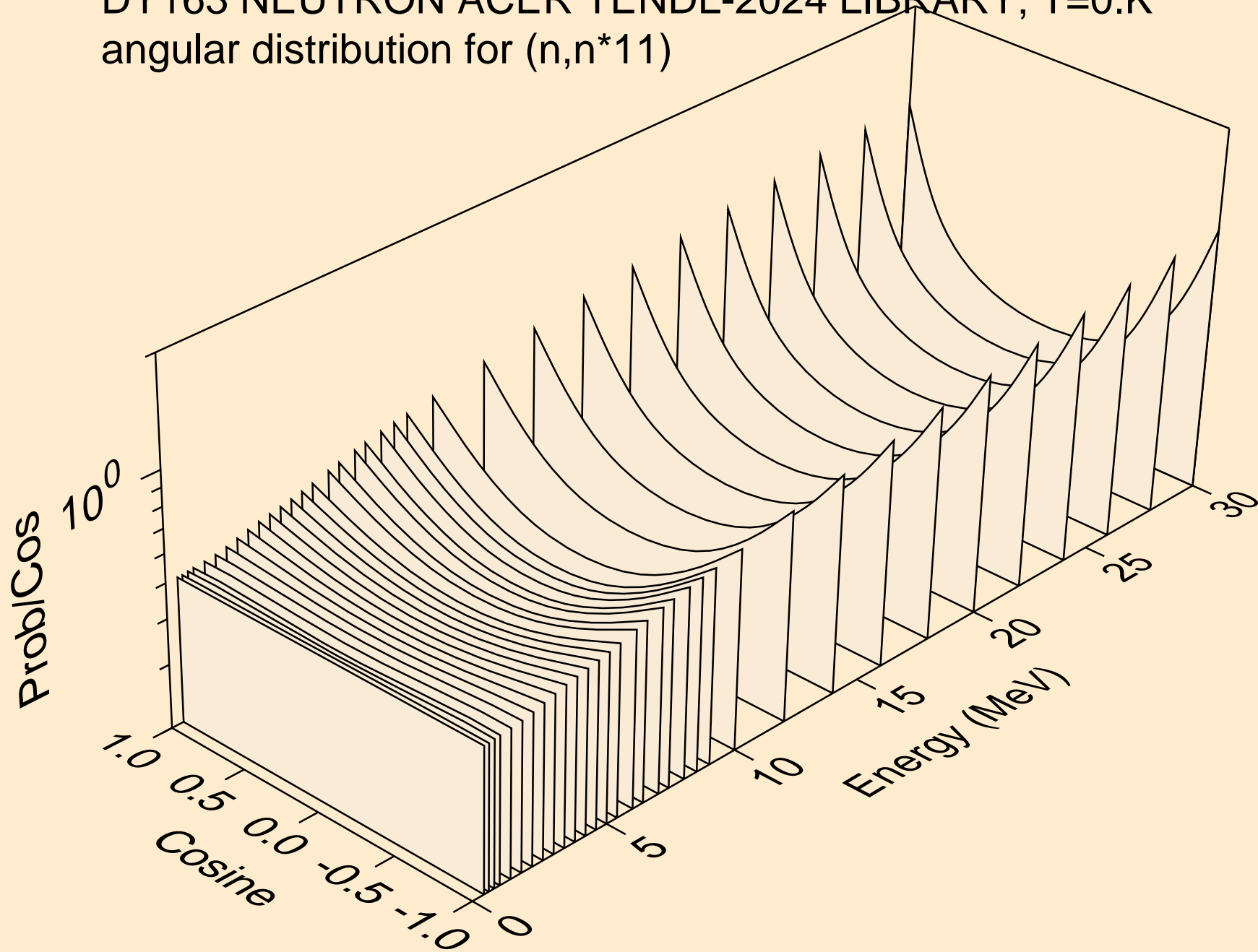


DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*10)

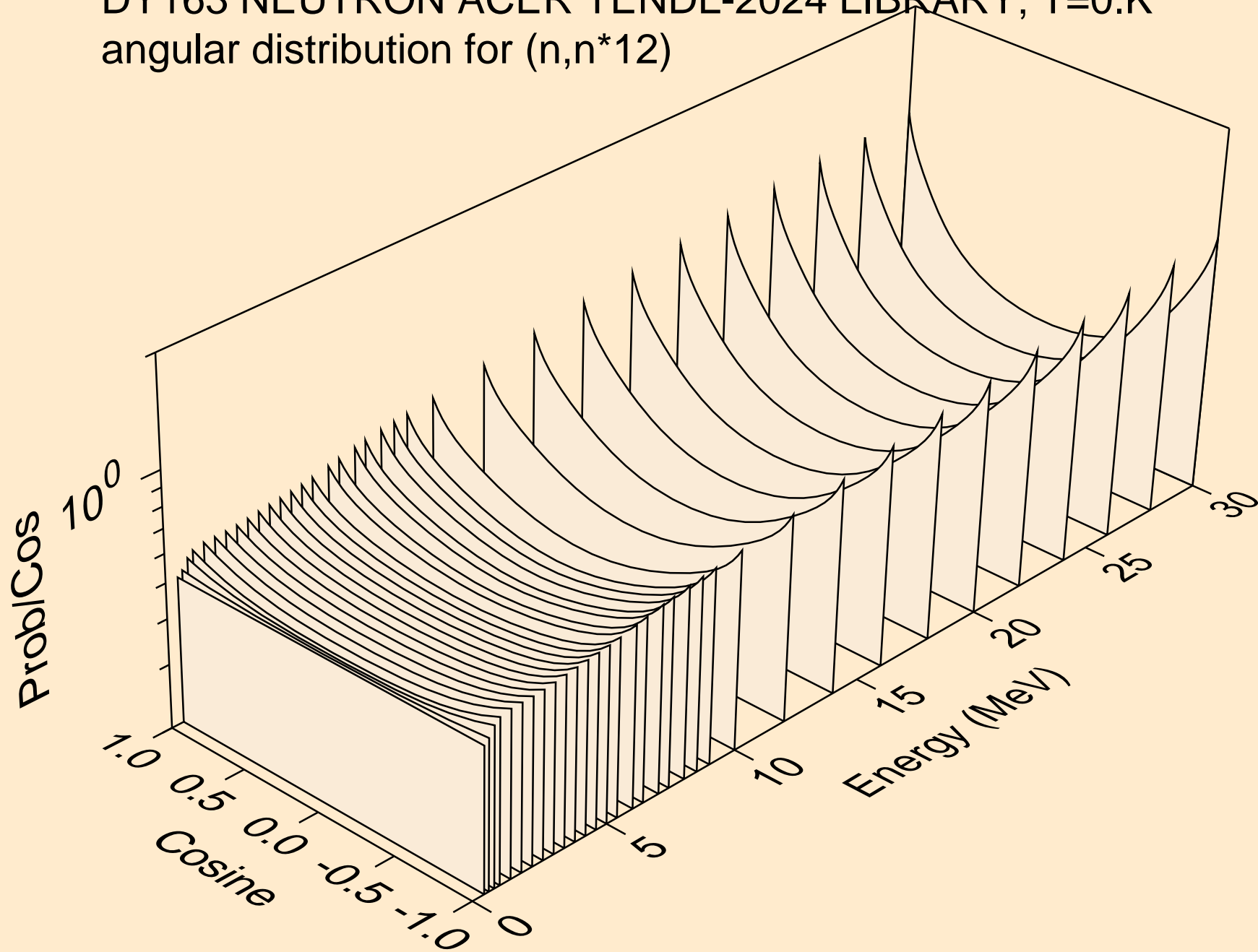




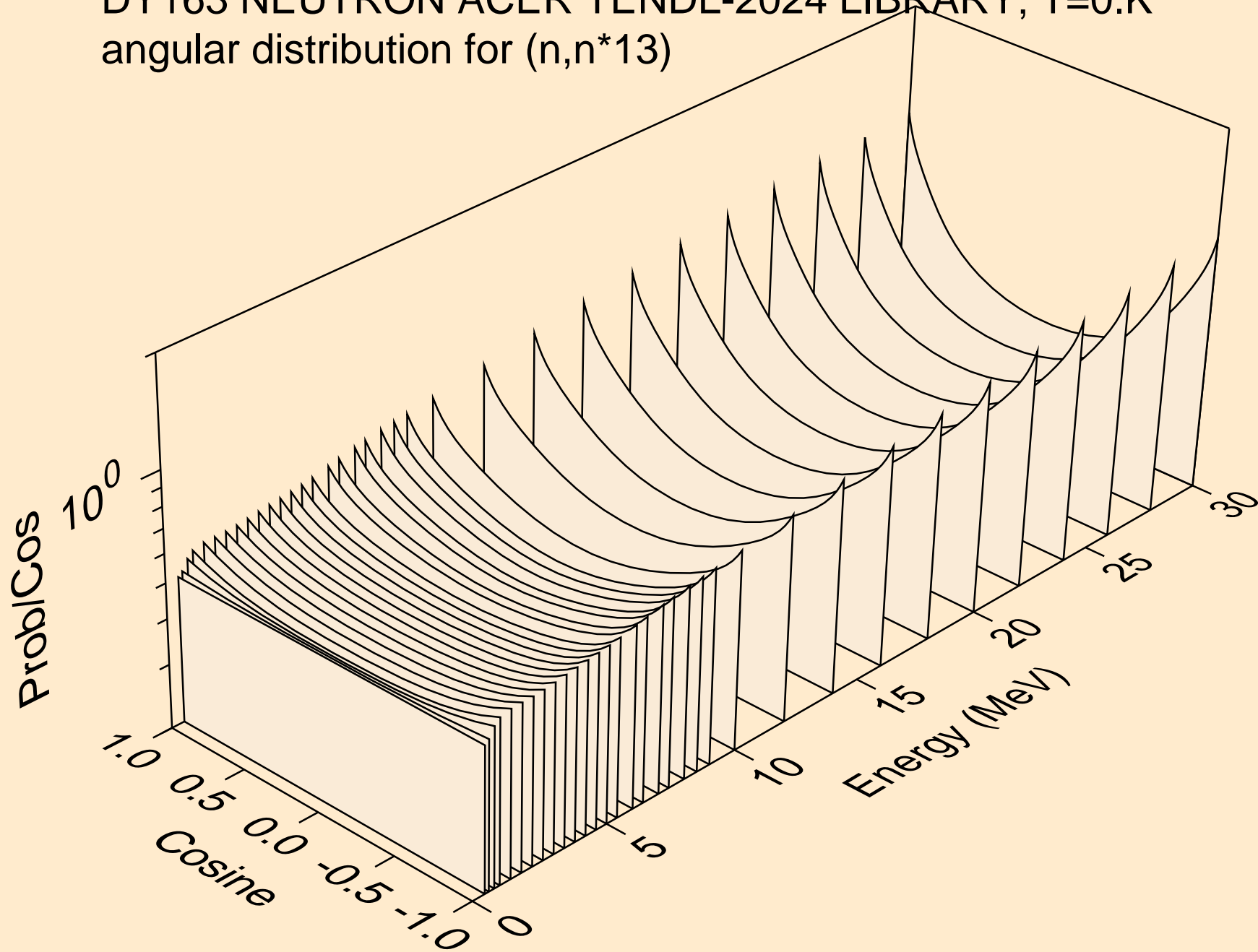
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angular distribution for (n,n\*11)



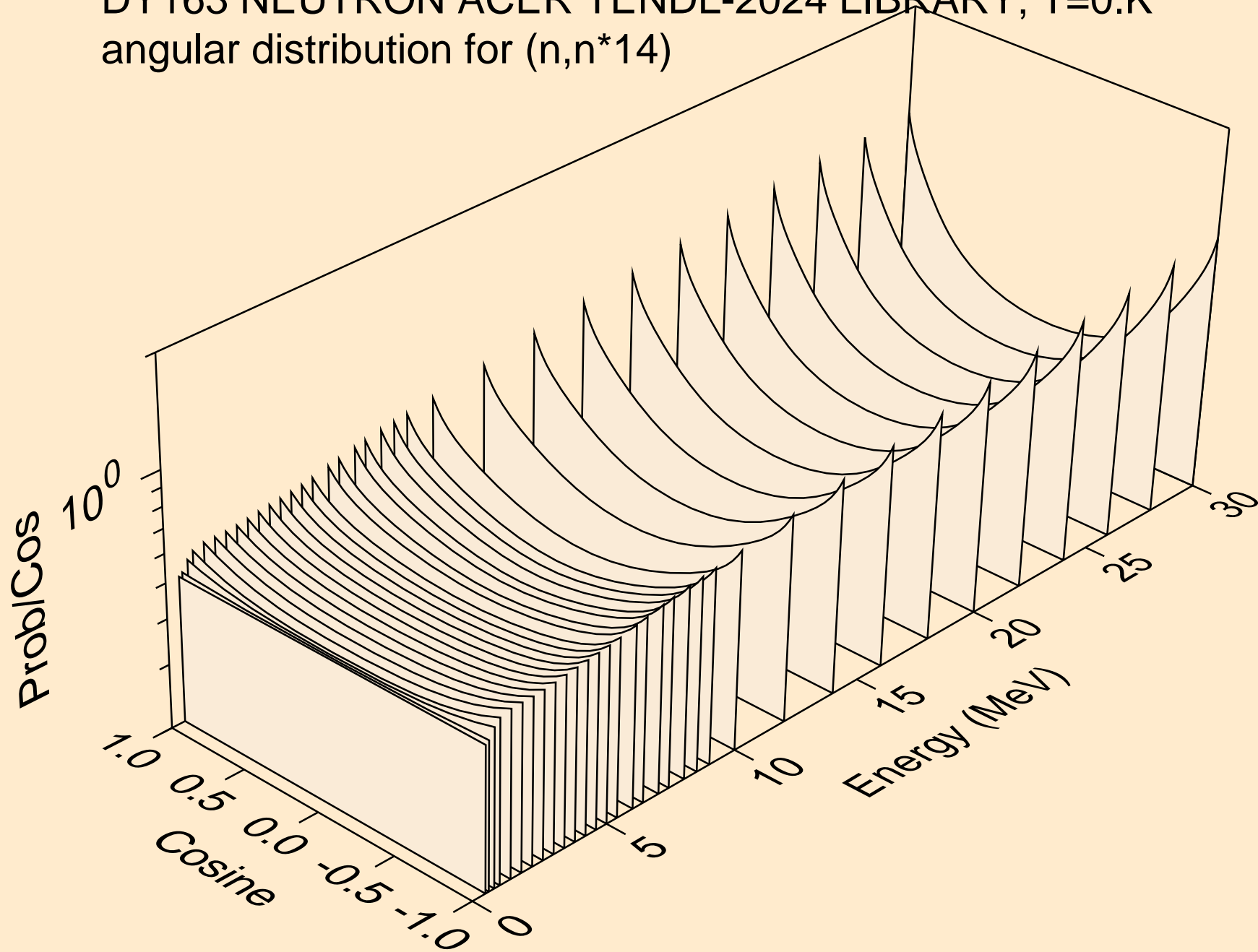
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angular distribution for (n,n\*12)



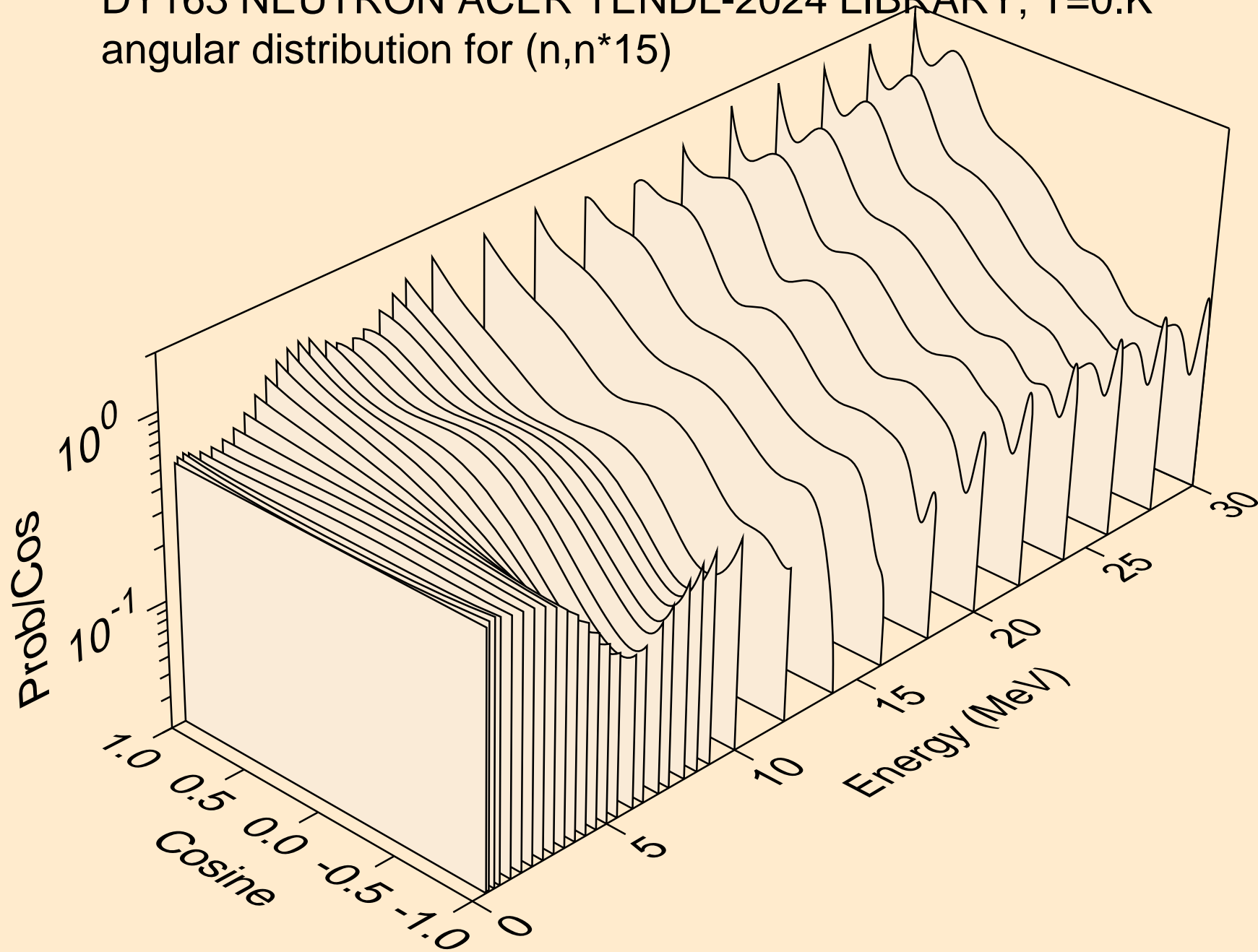
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angular distribution for (n,n\*13)



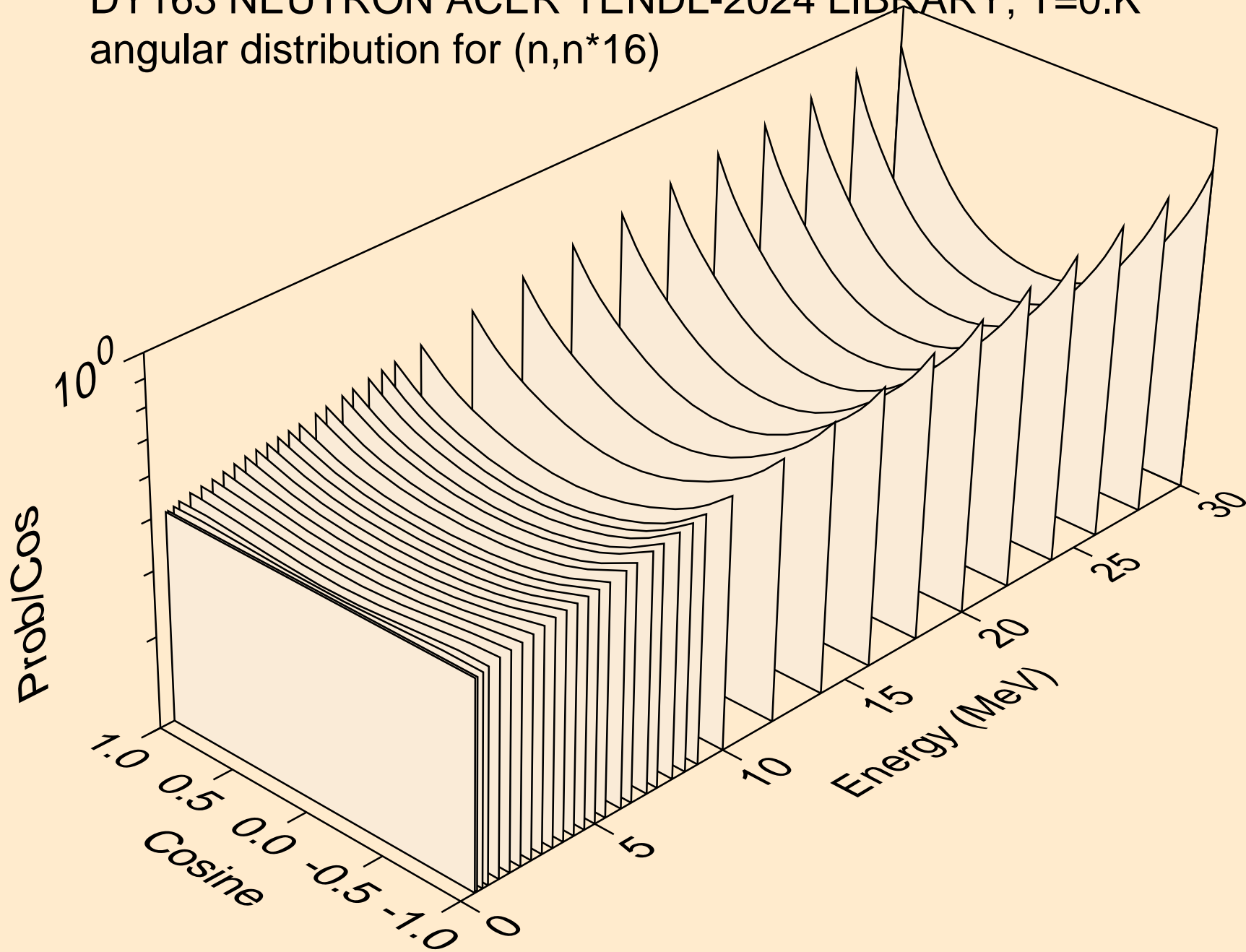
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angular distribution for (n,n\*14)



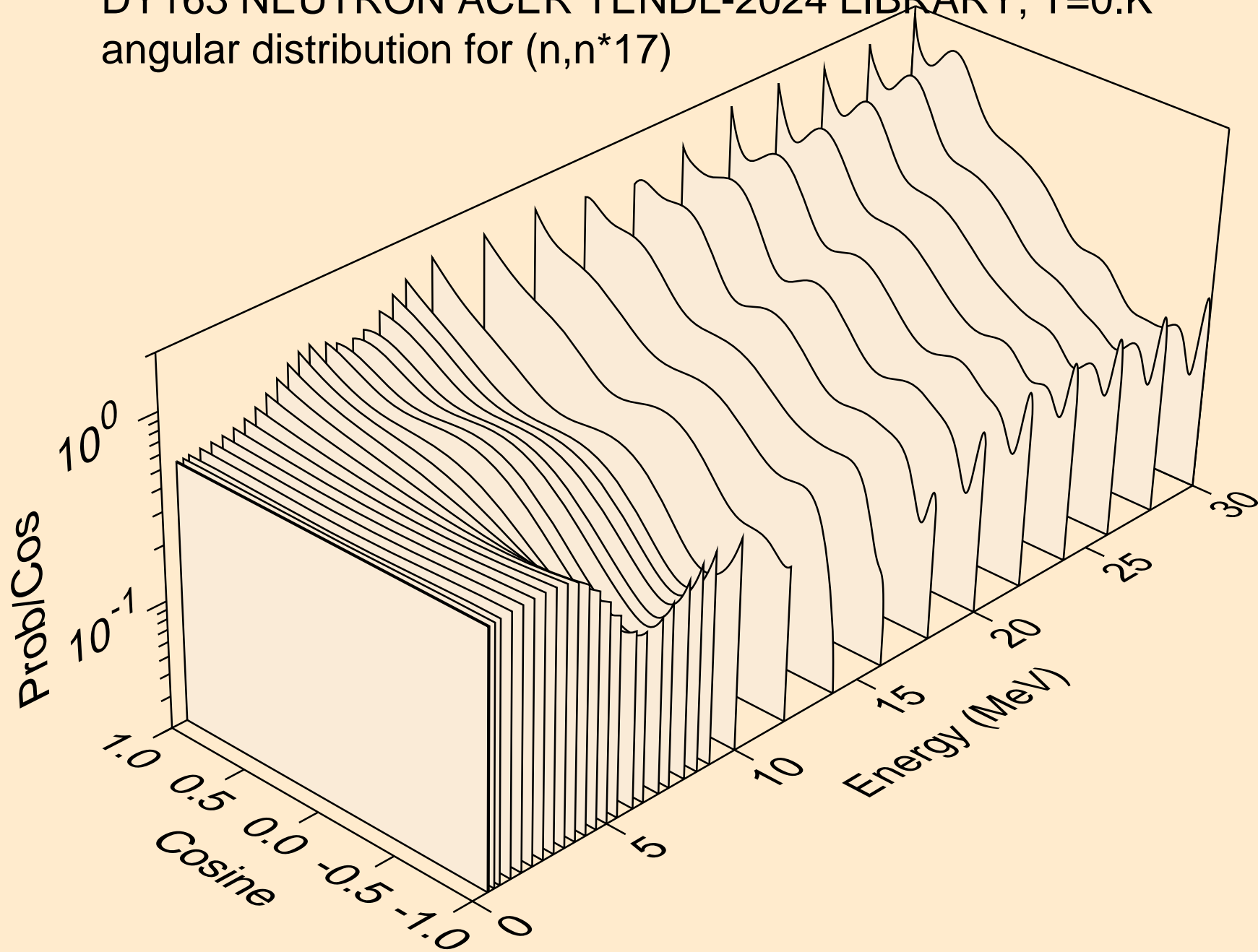
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angular distribution for (n,n\*15)



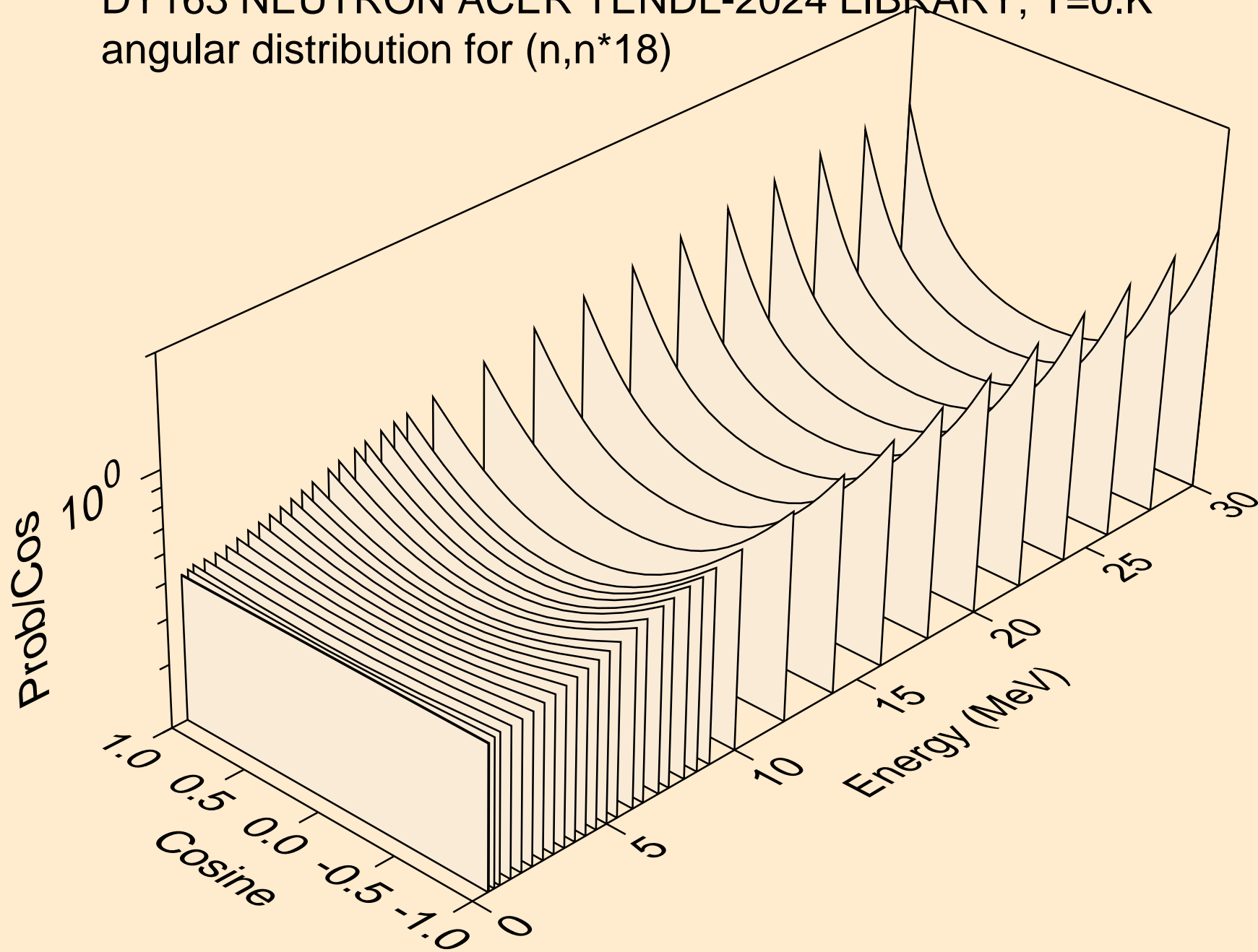
DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*16)



DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*17)

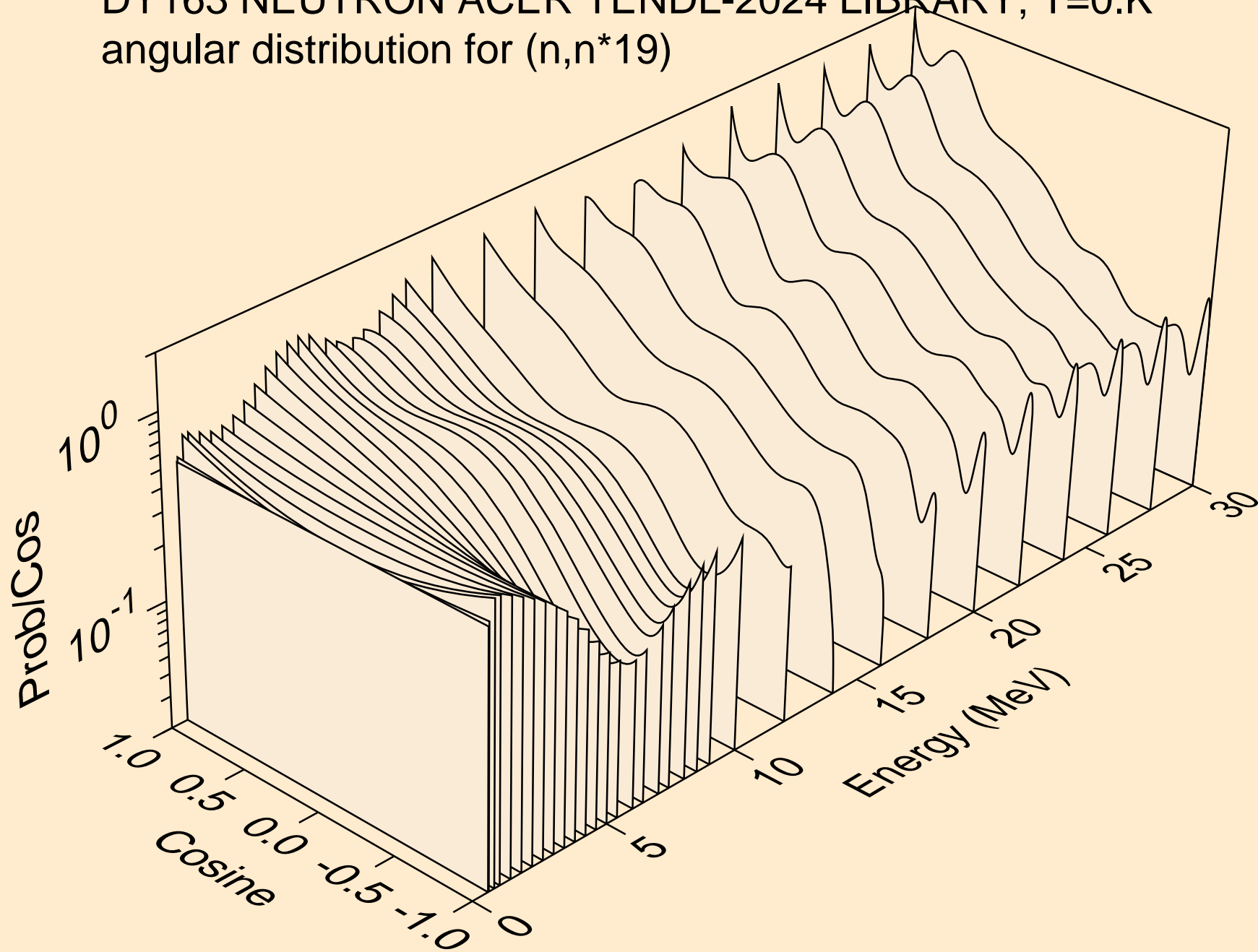


DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*18)

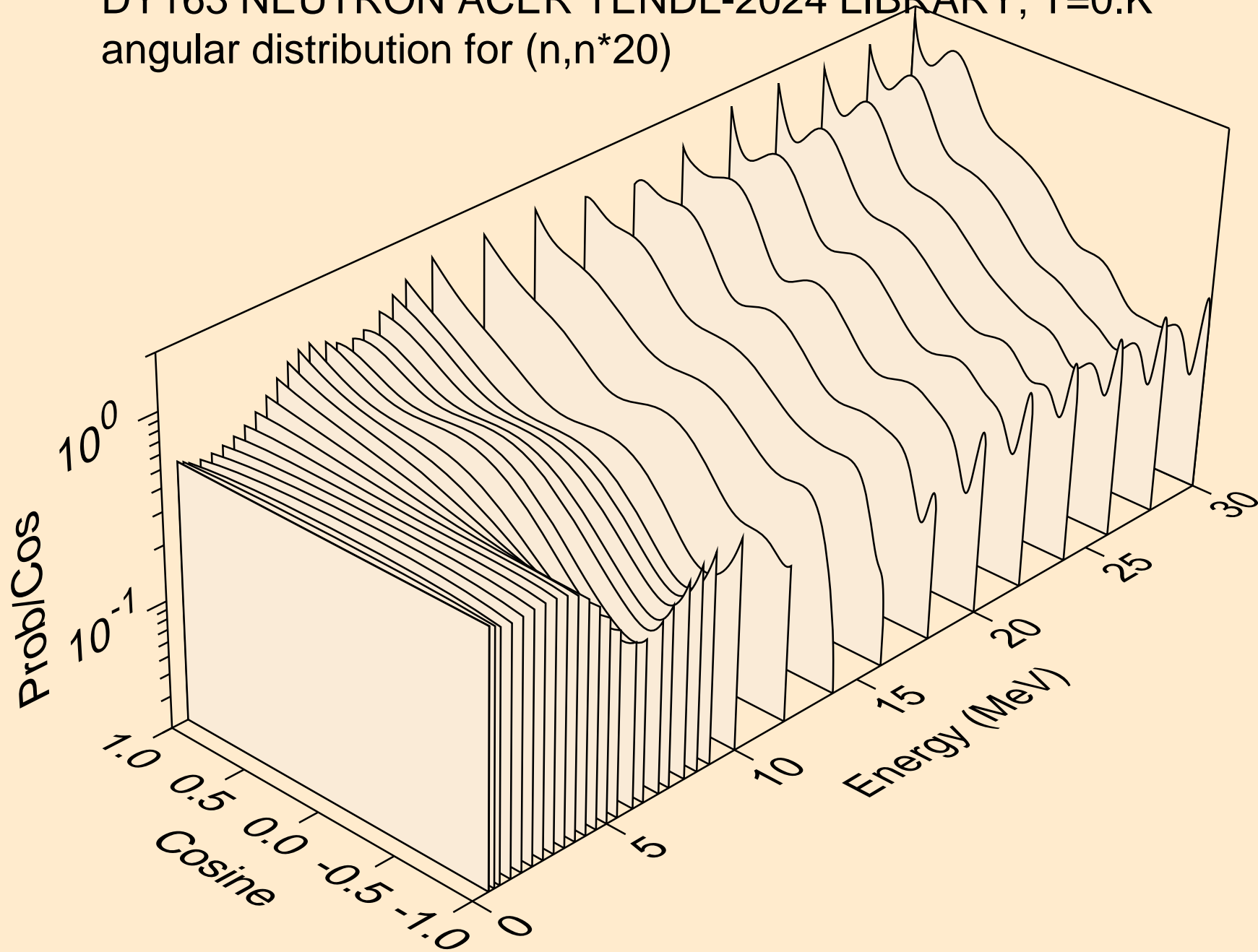




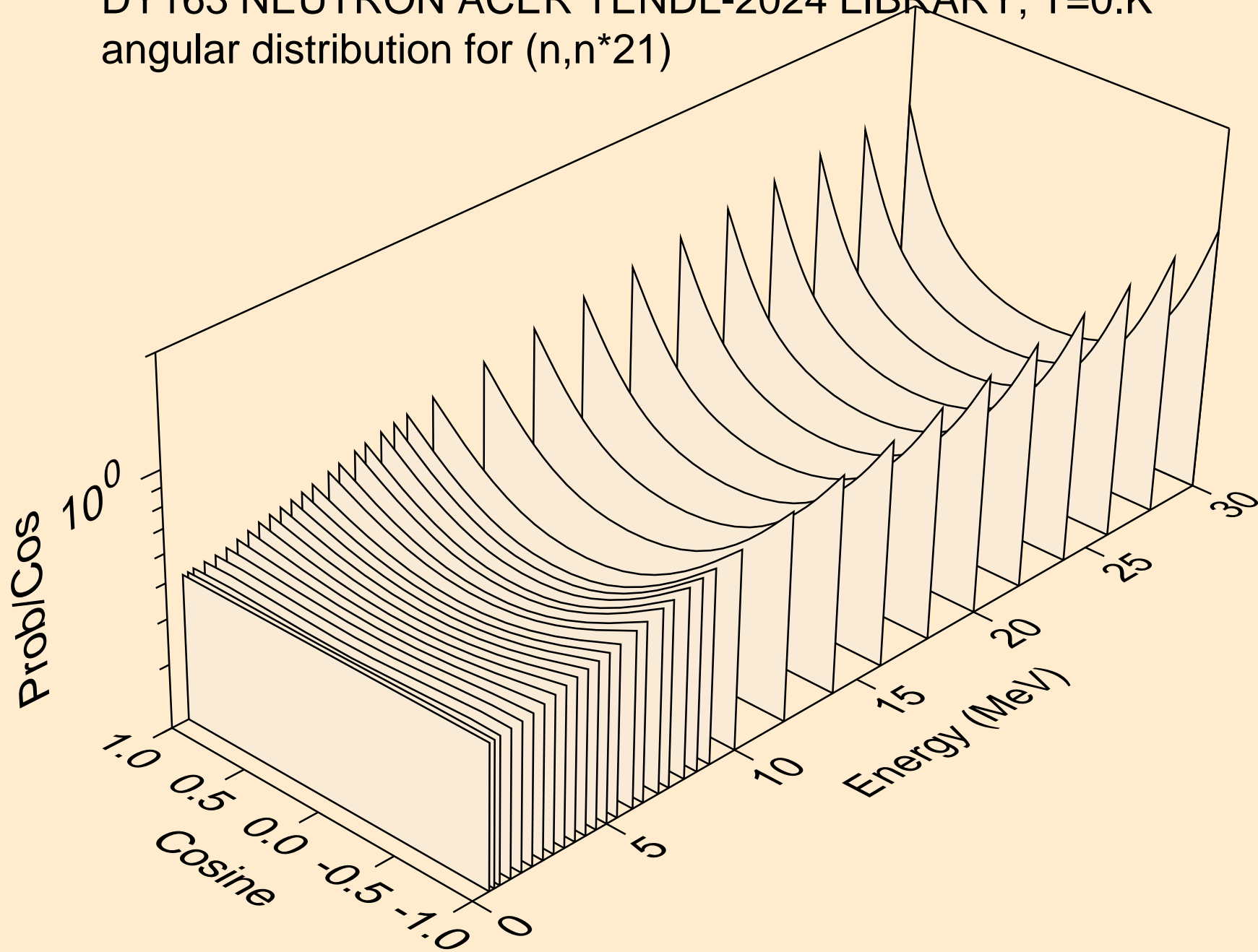
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angular distribution for (n,n\*19)



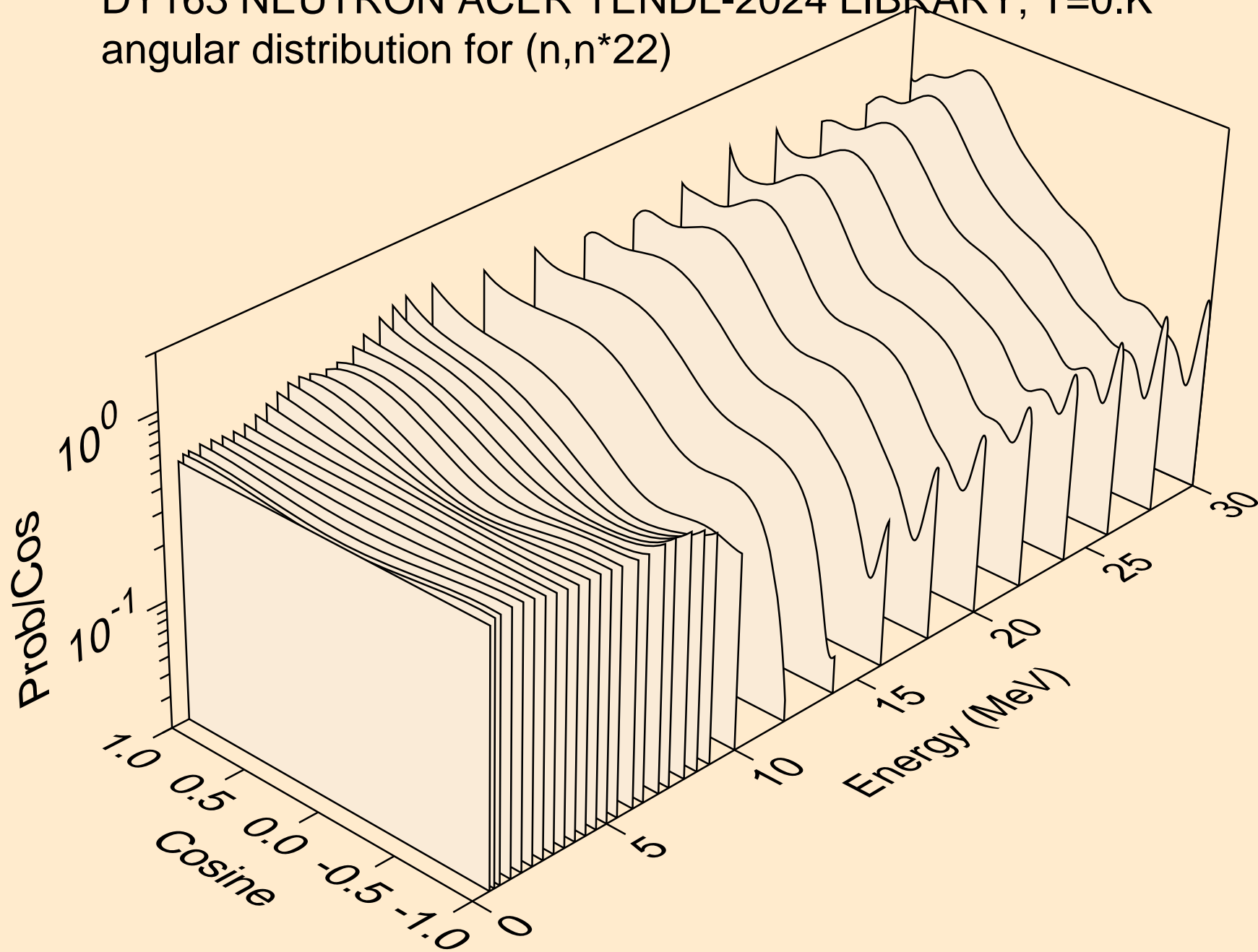
DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*20)



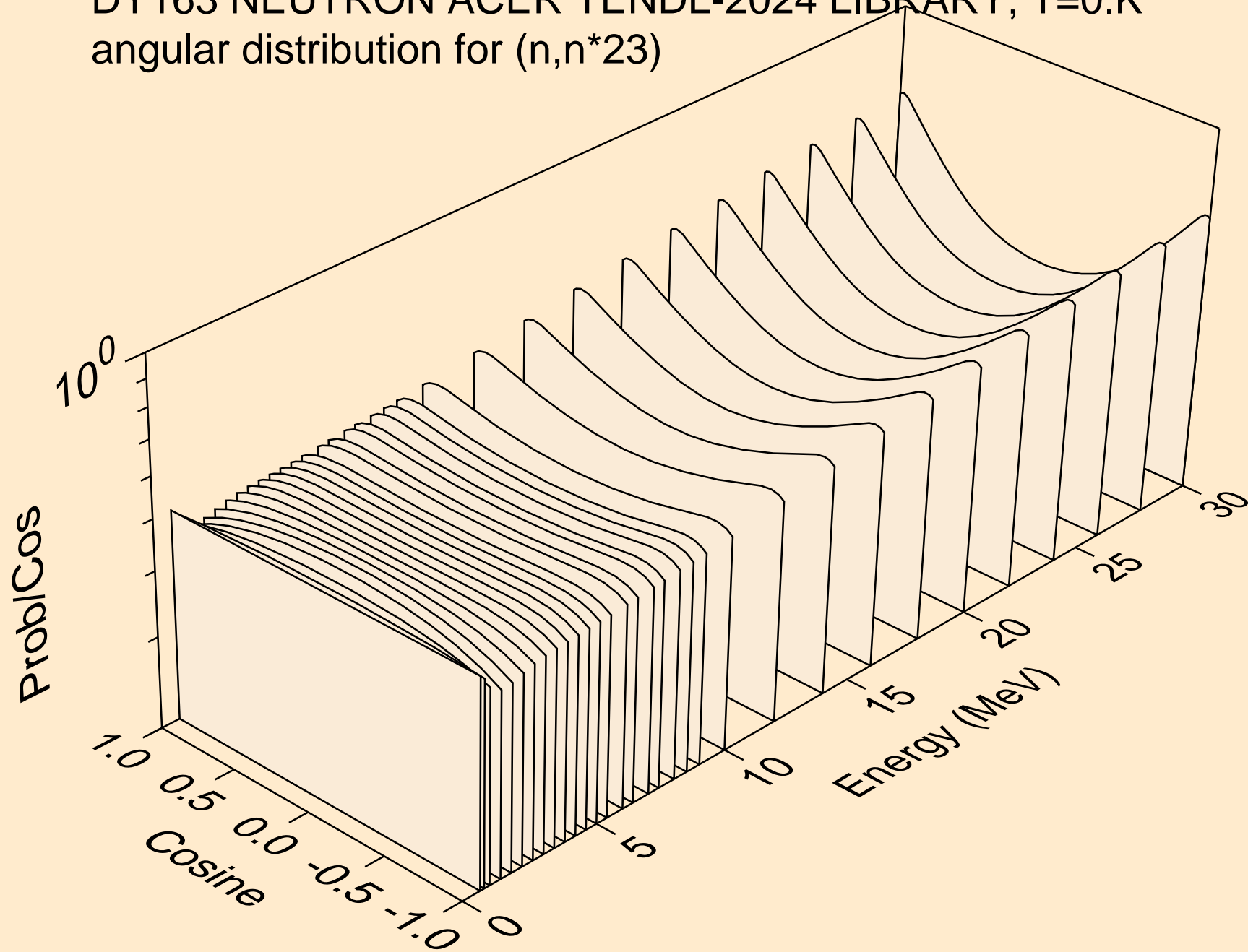
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angular distribution for (n,n\*21)



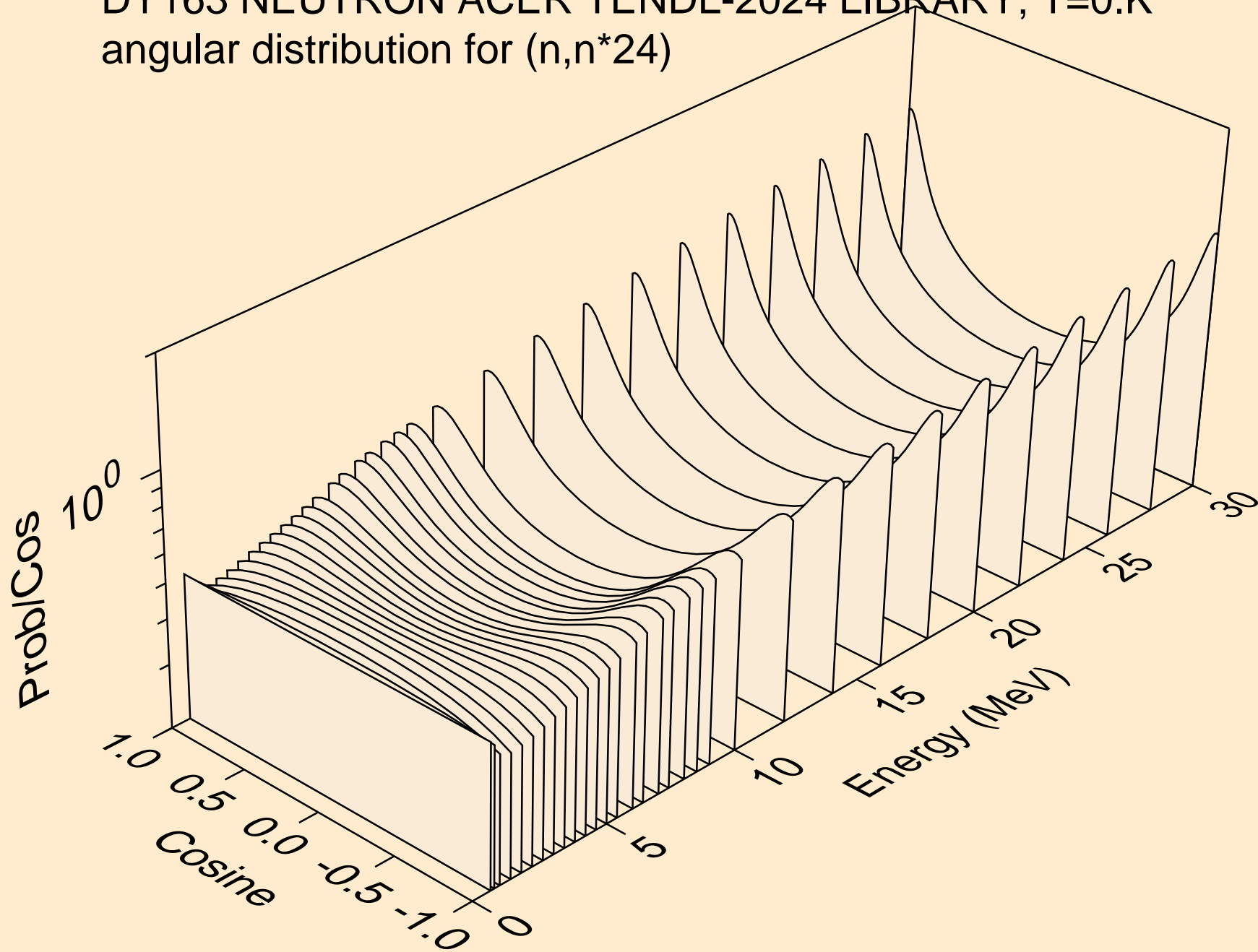
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angular distribution for (n,n\*22)



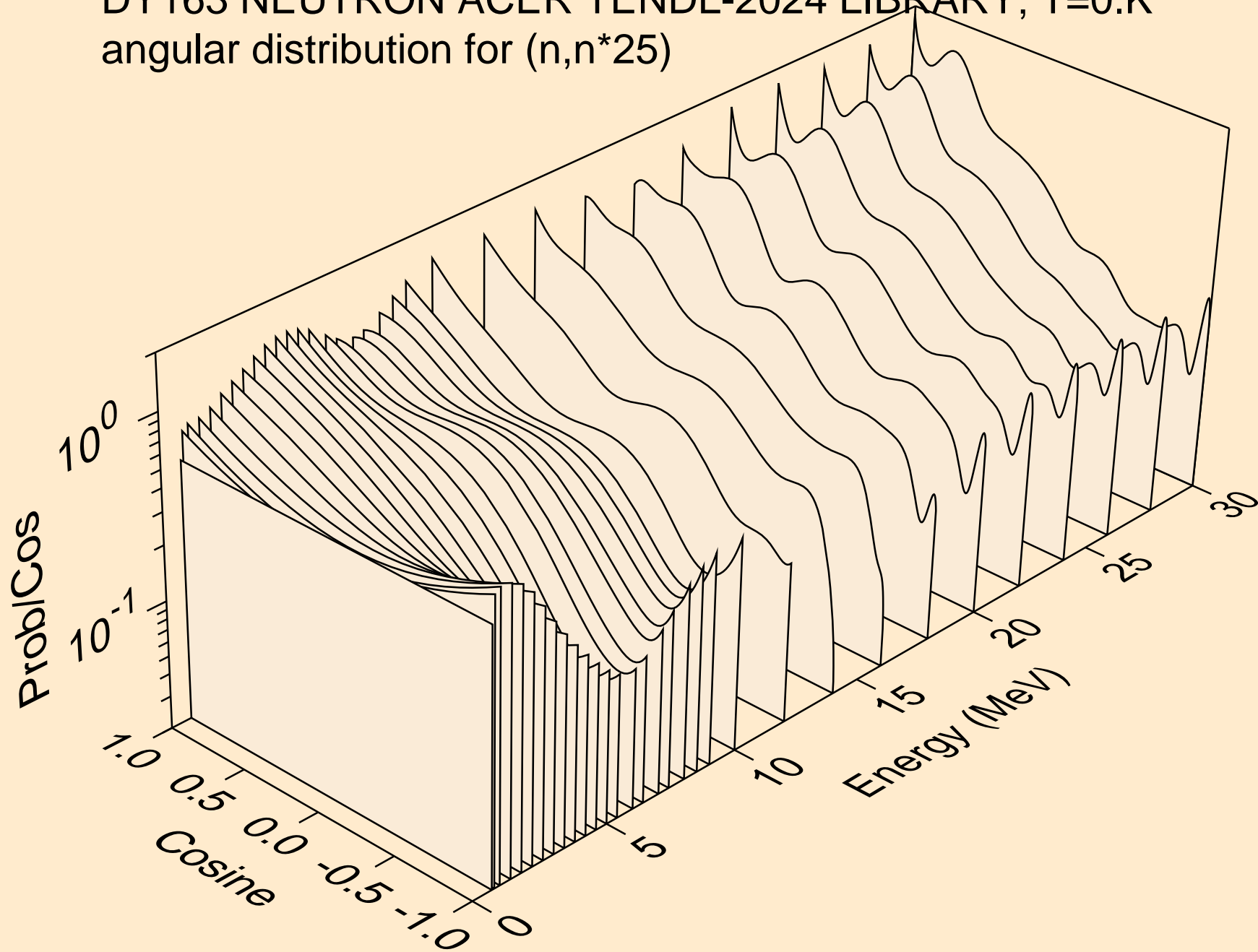
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angular distribution for (n,n\*23)



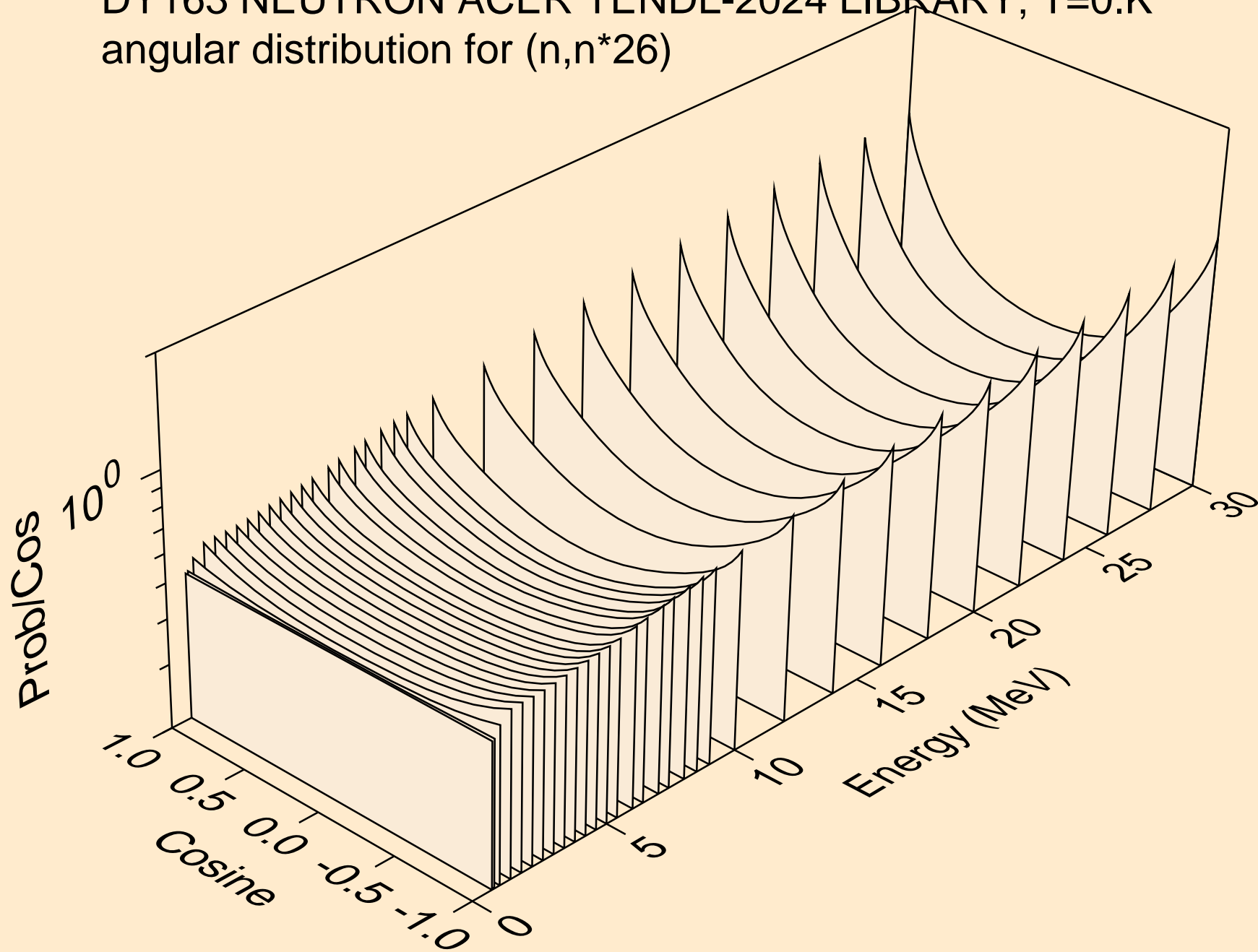
DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*24)



DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*25)

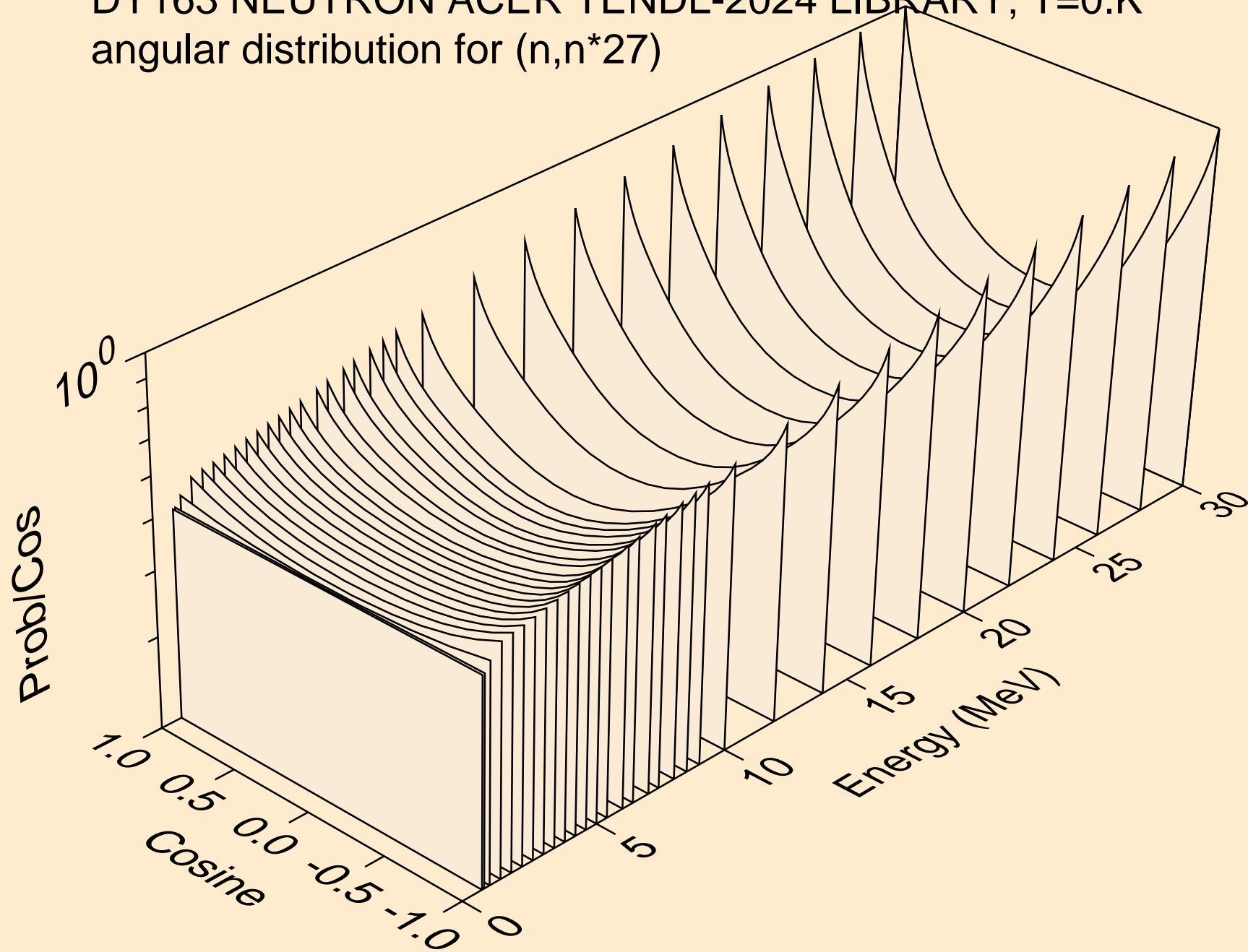


DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*26)

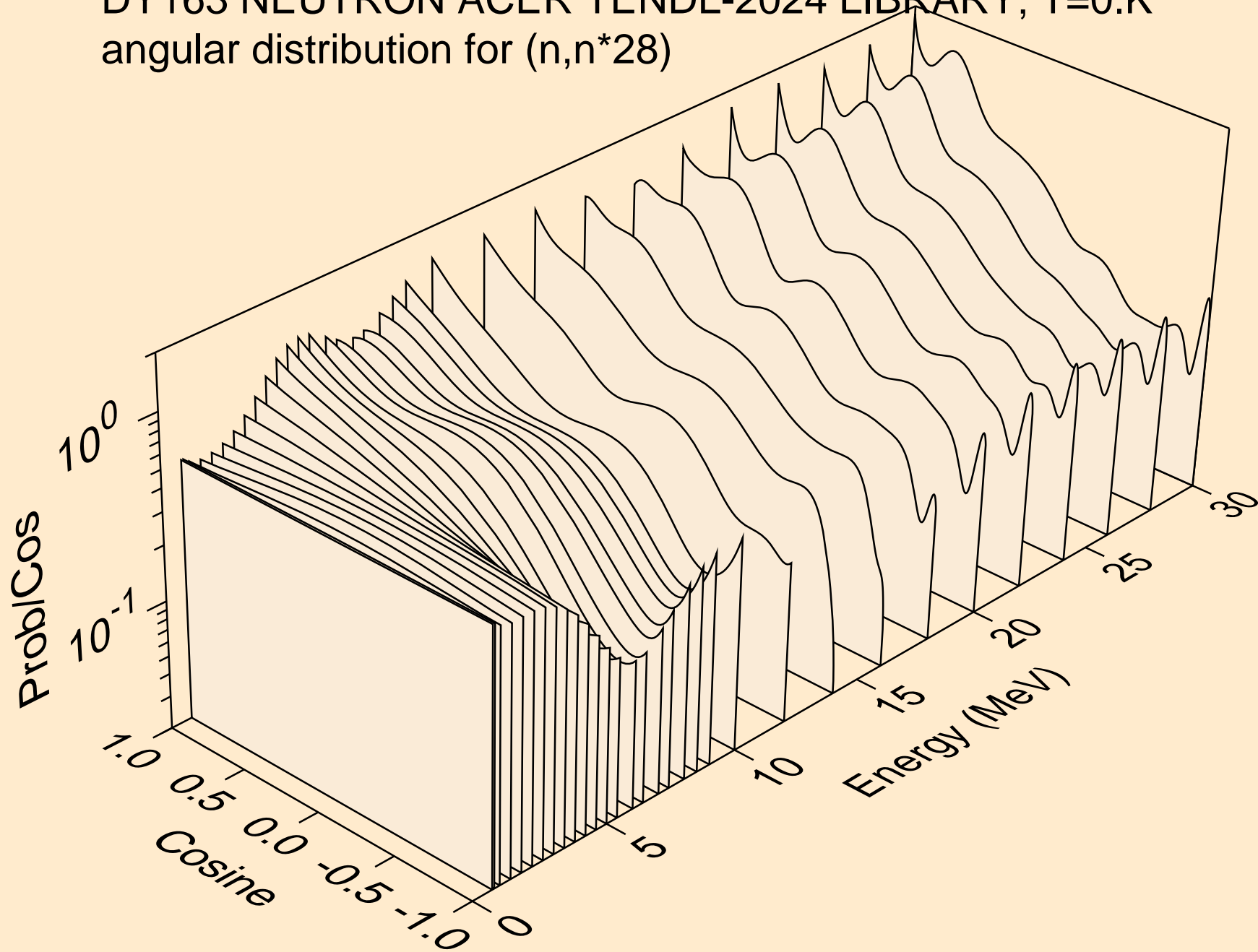




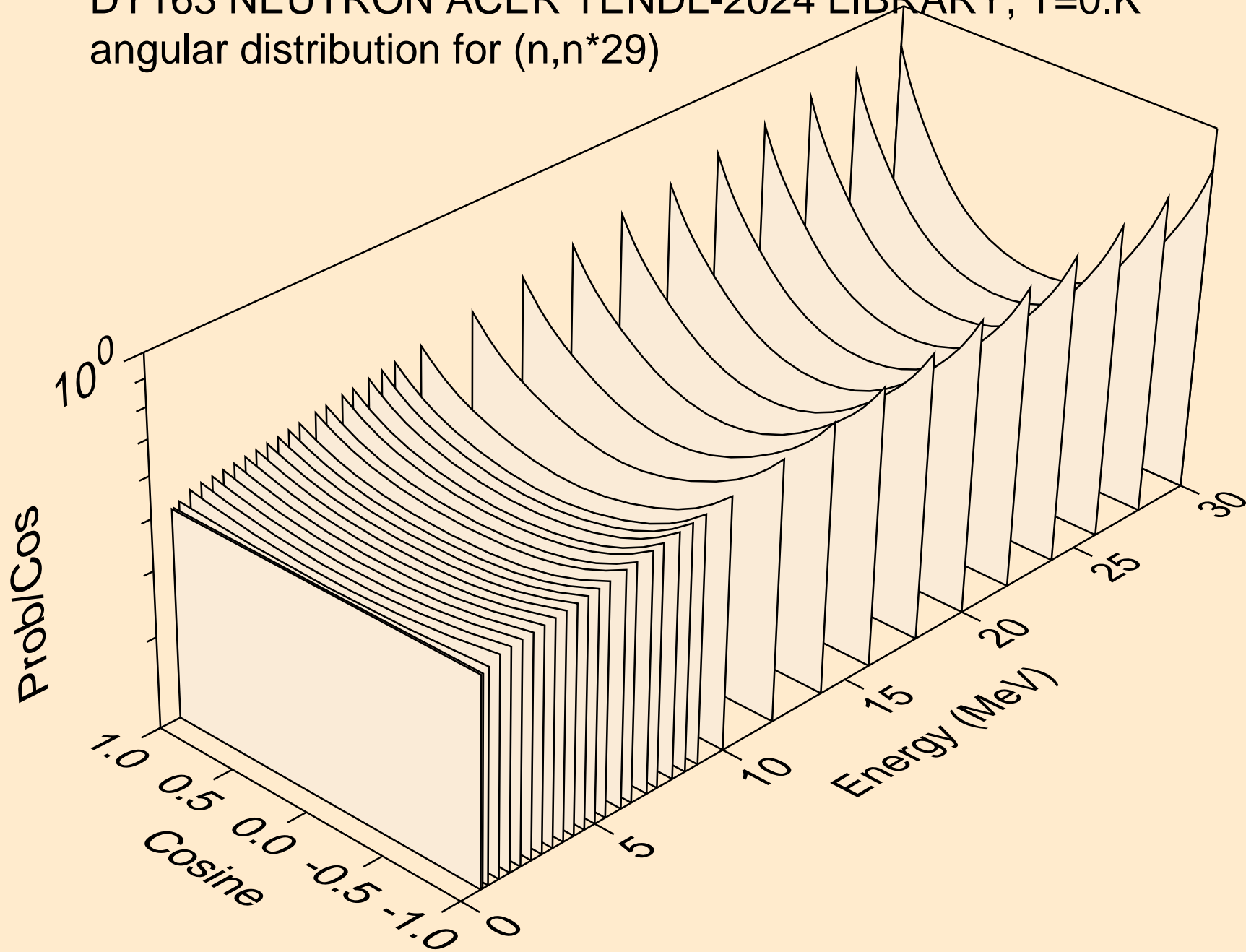
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angular distribution for (n,n\*27)



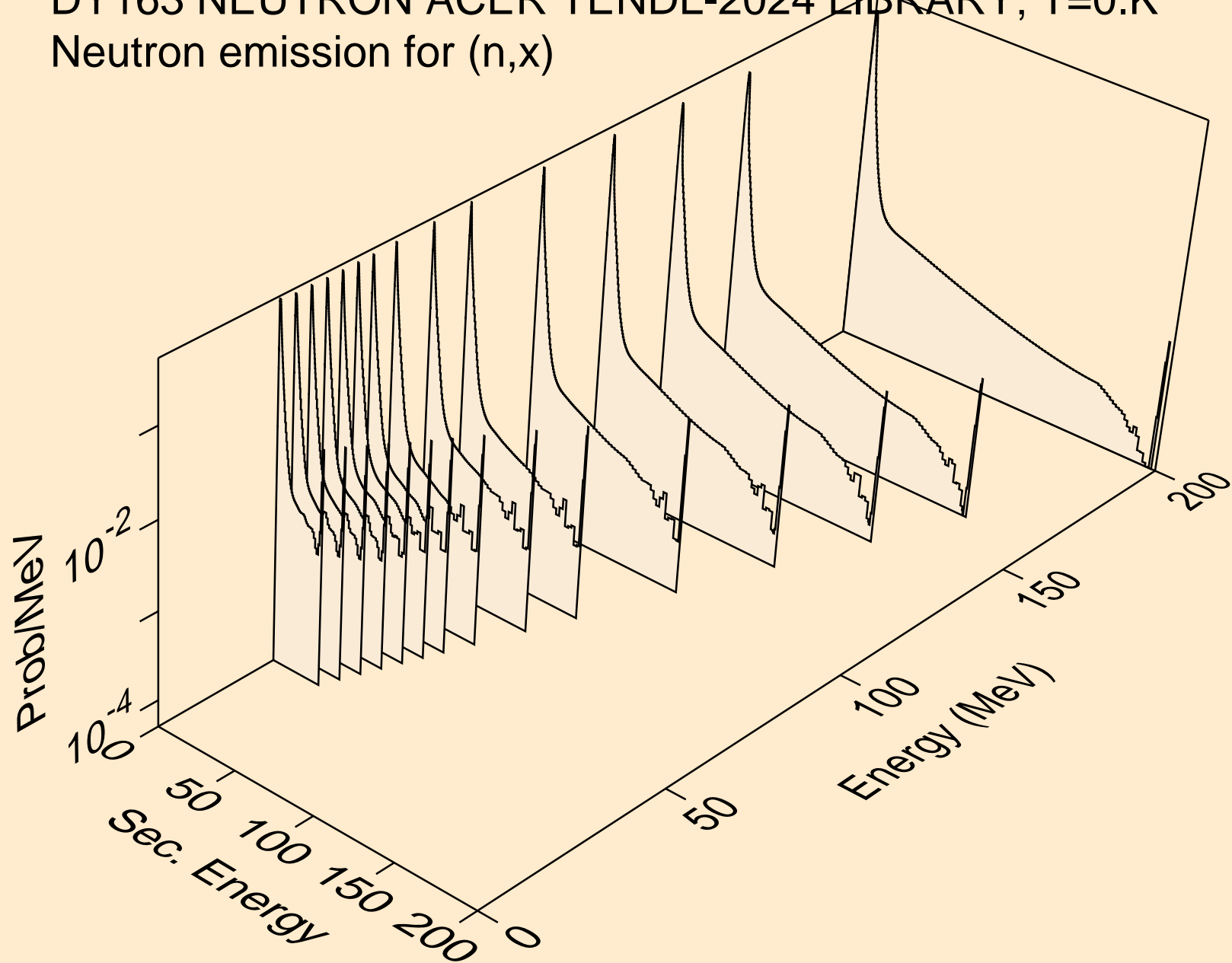
DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*28)



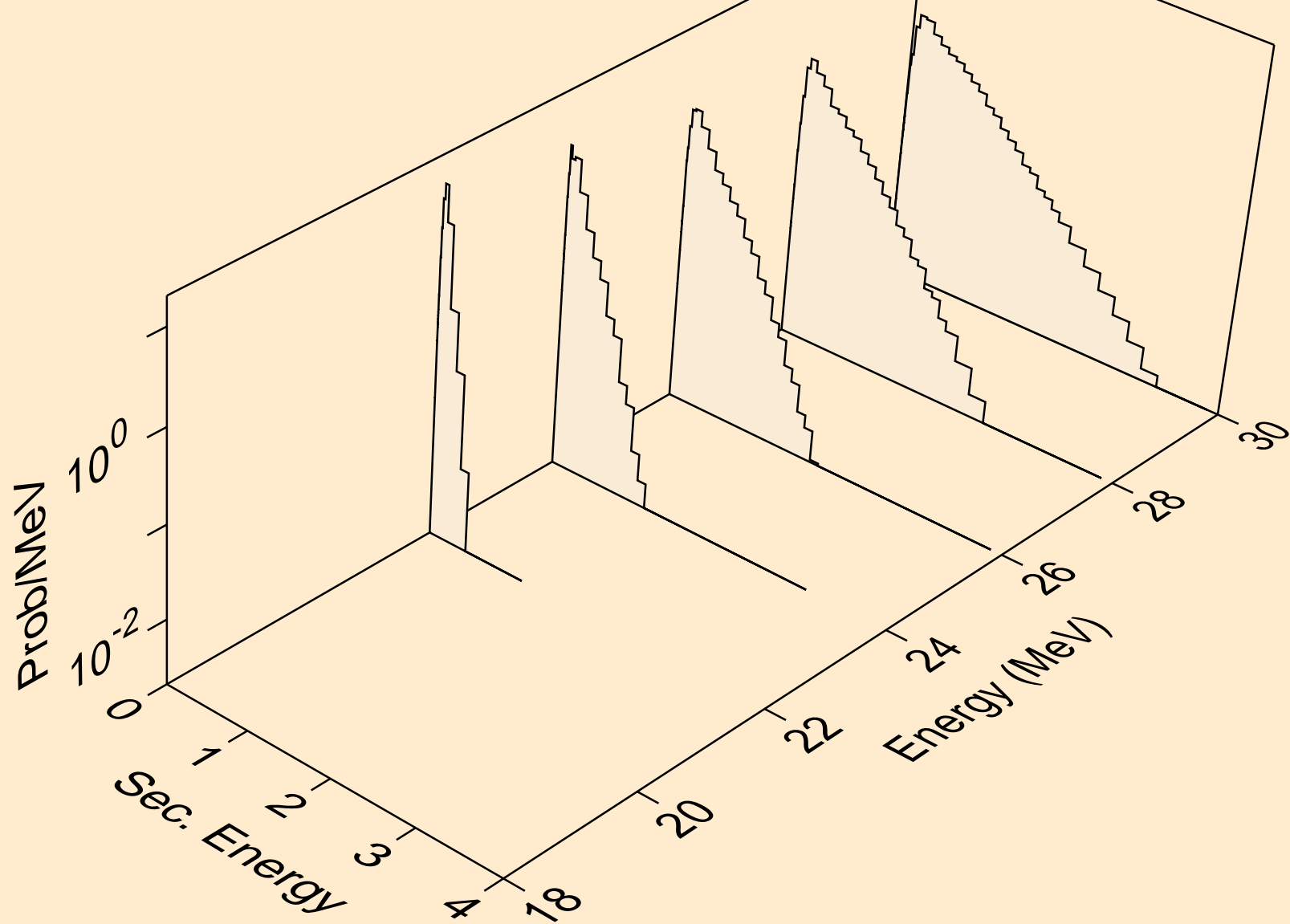
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angular distribution for (n,n\*29)



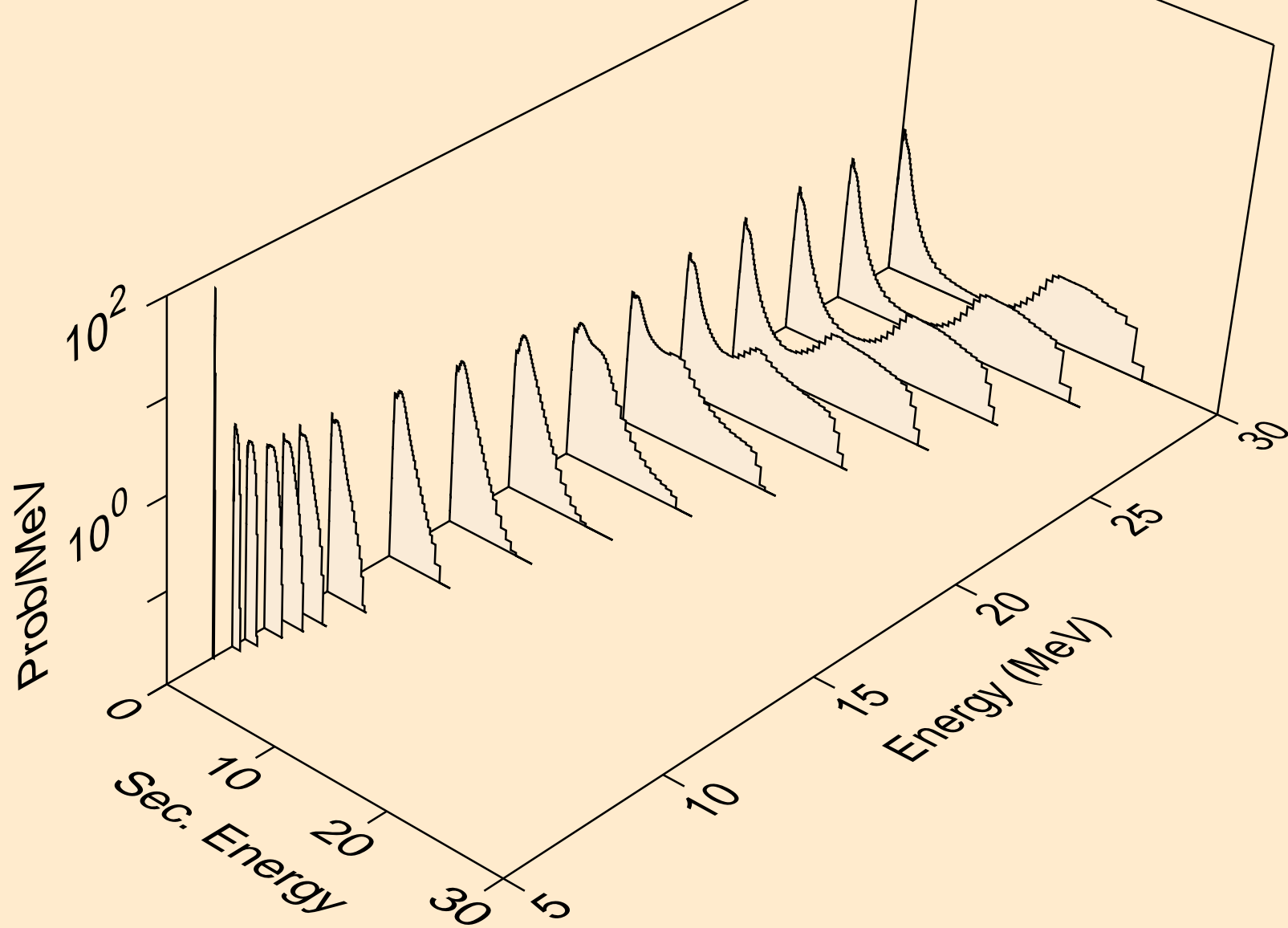
DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,x)



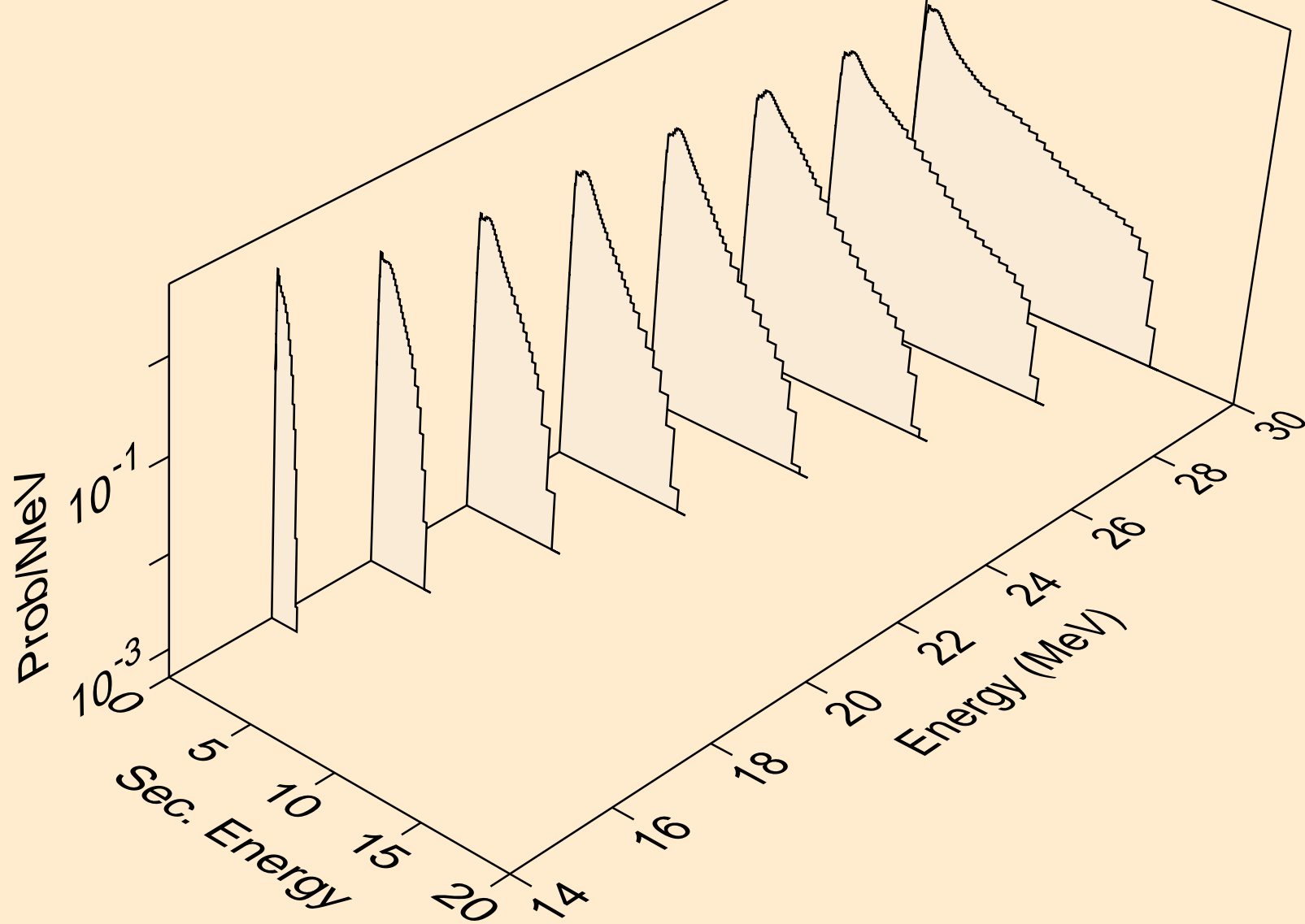
DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



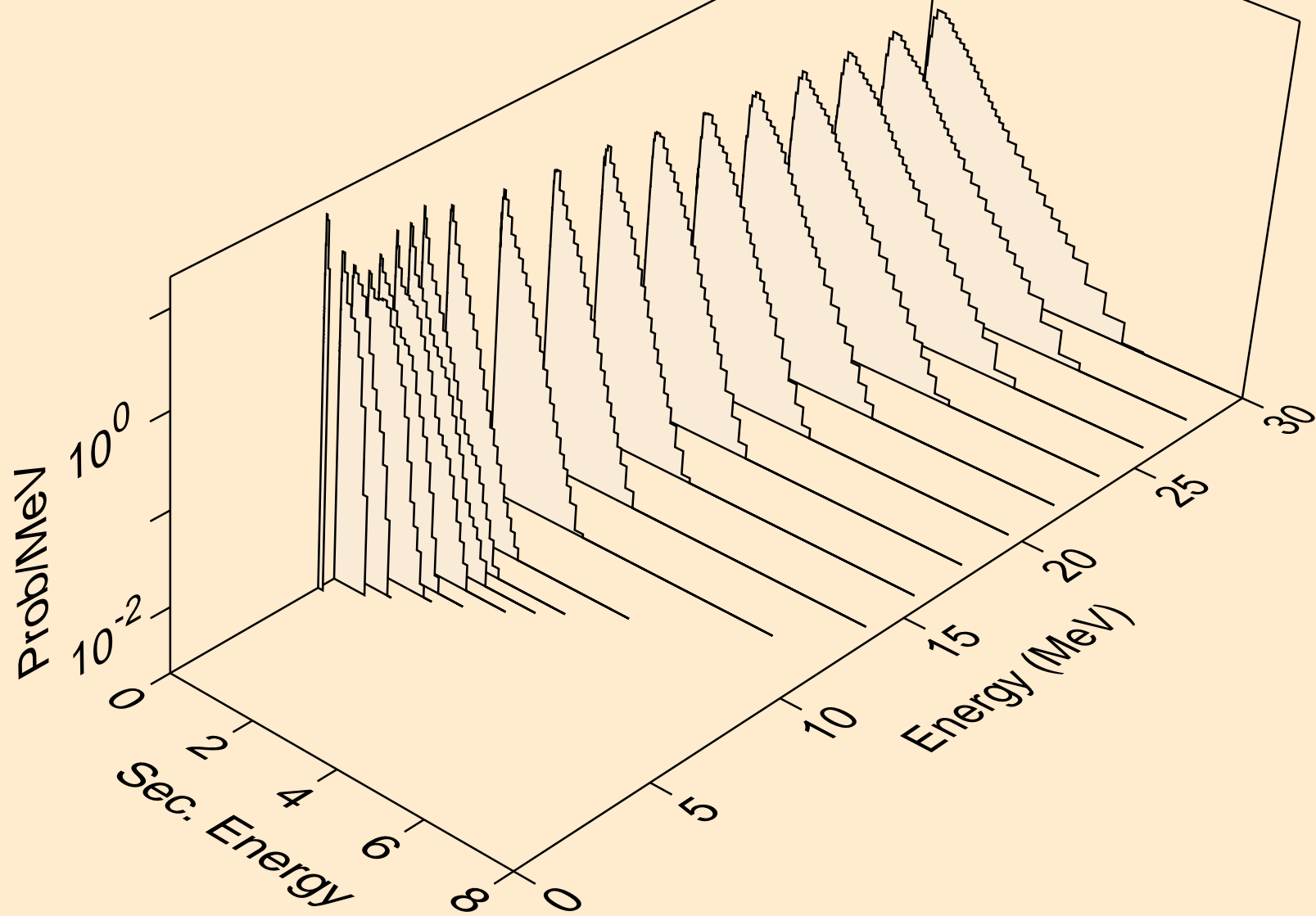
DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)



DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)

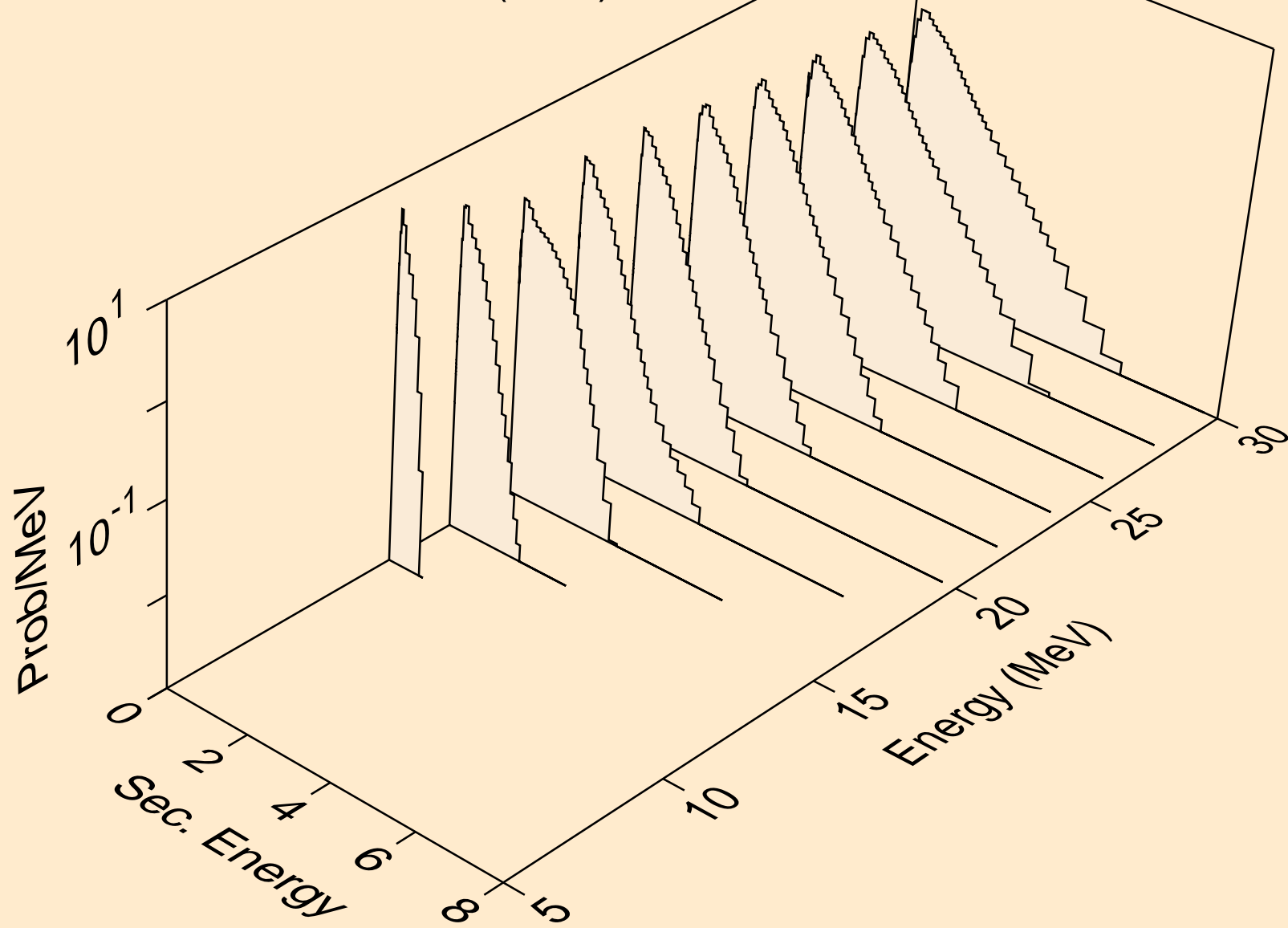


DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a

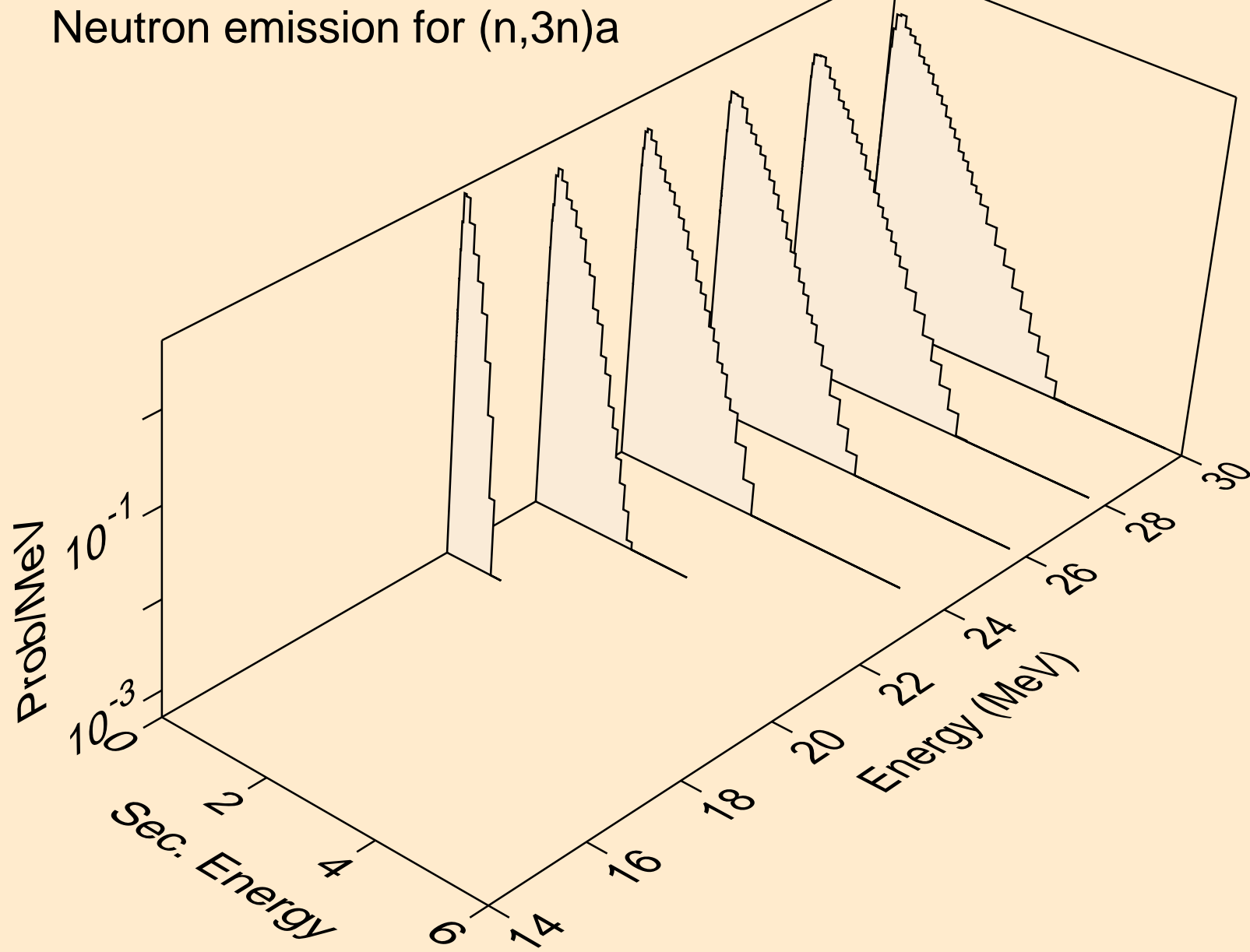




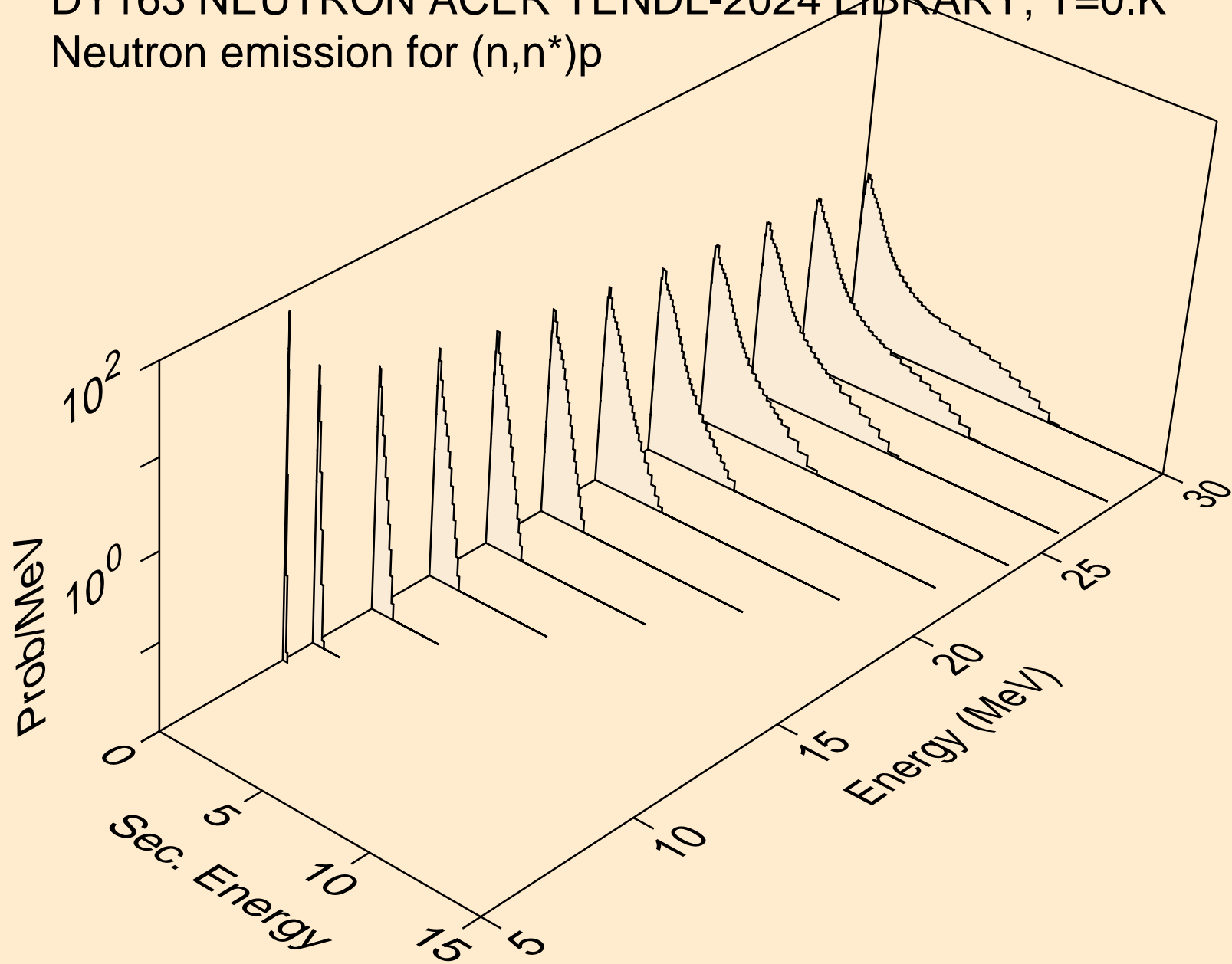
DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)a



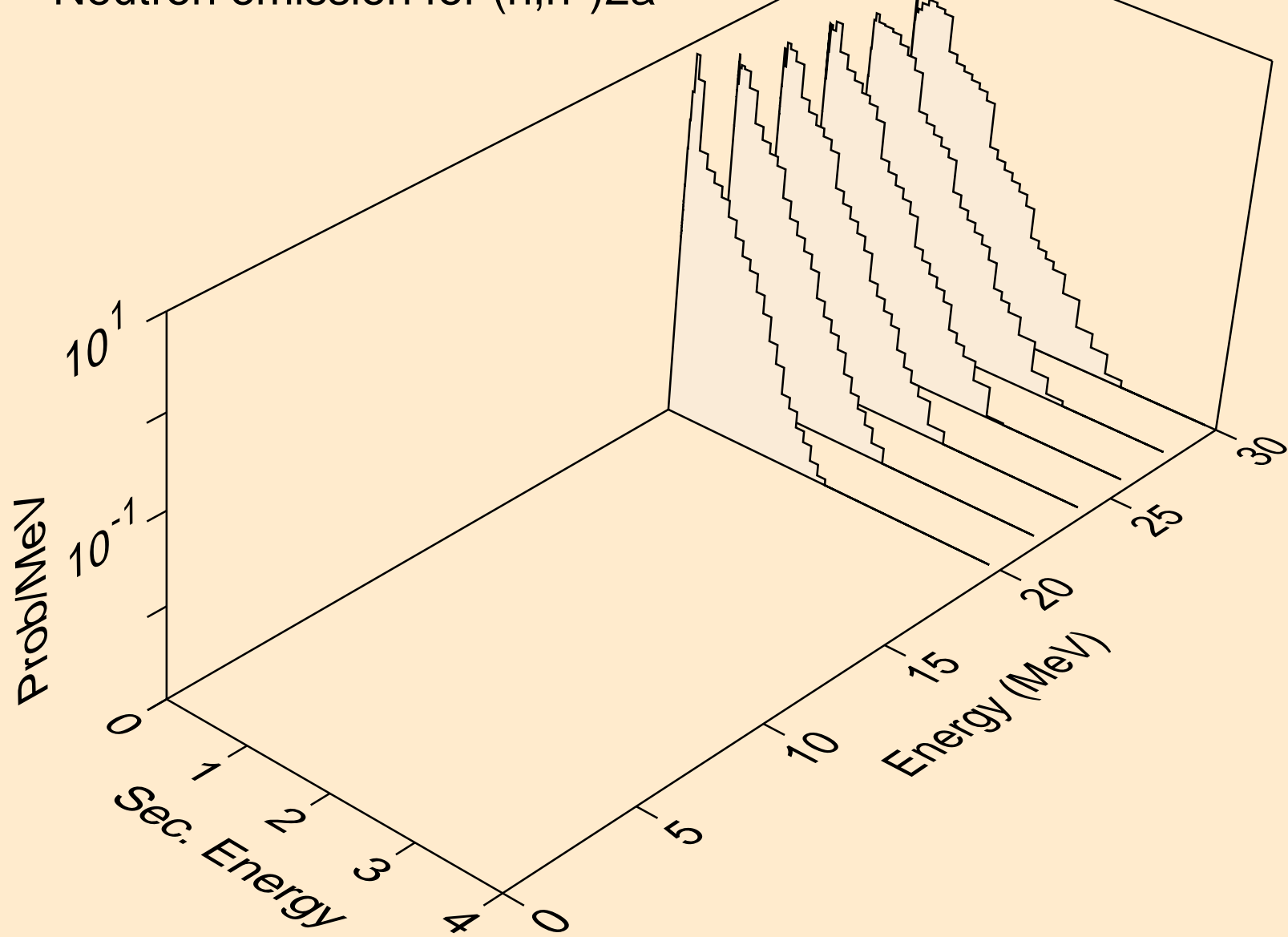
DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)a



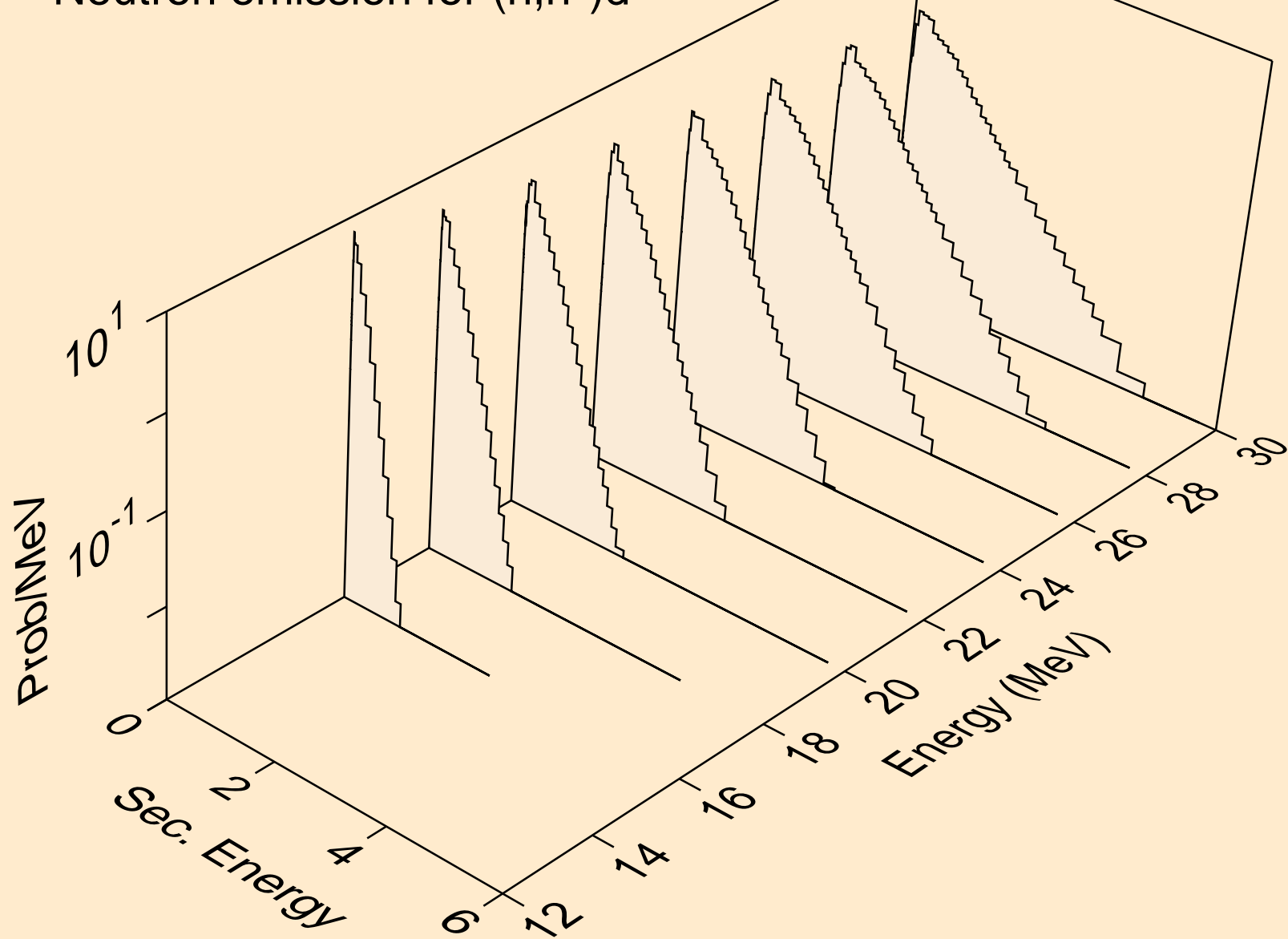
DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



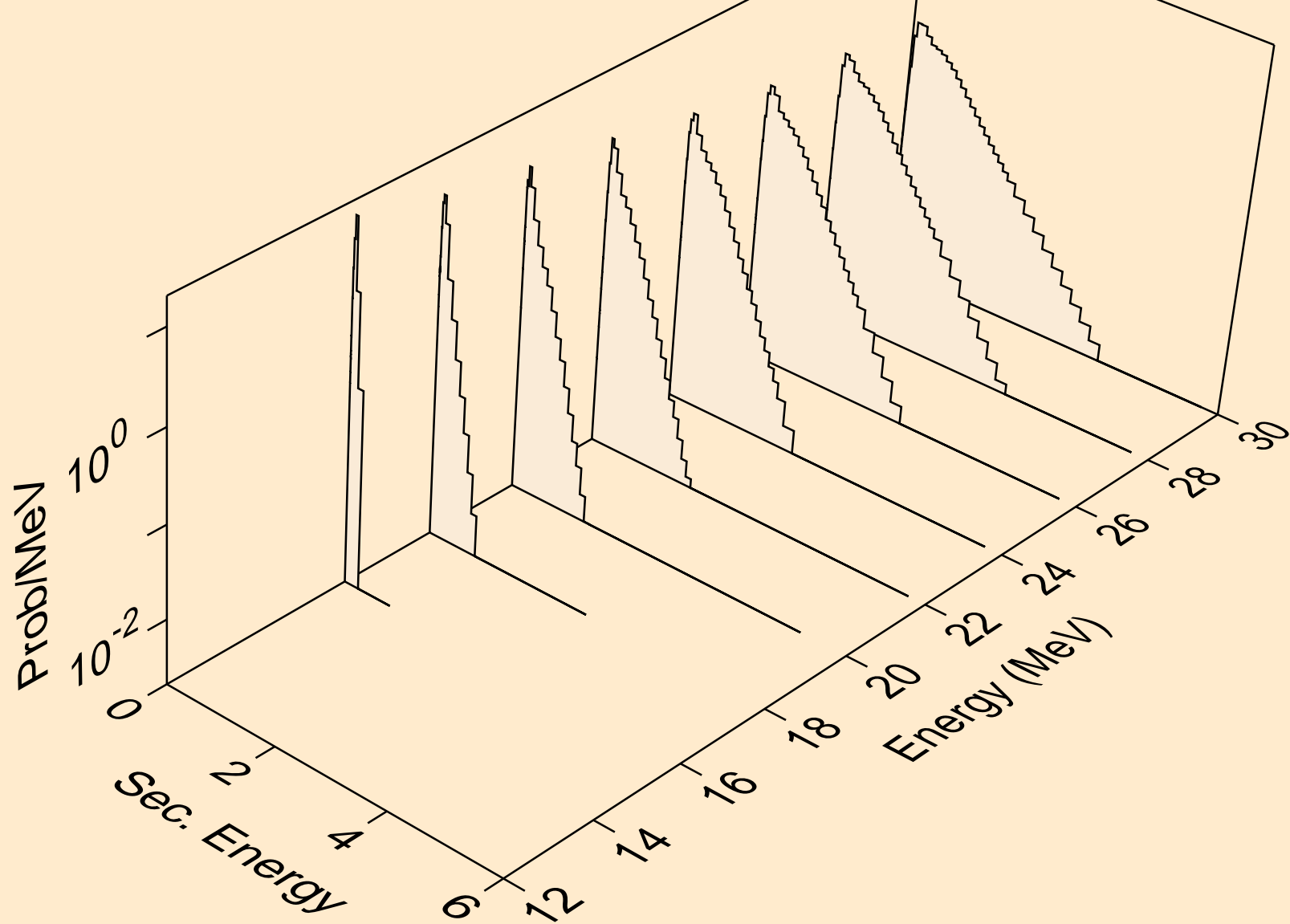
DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)2a



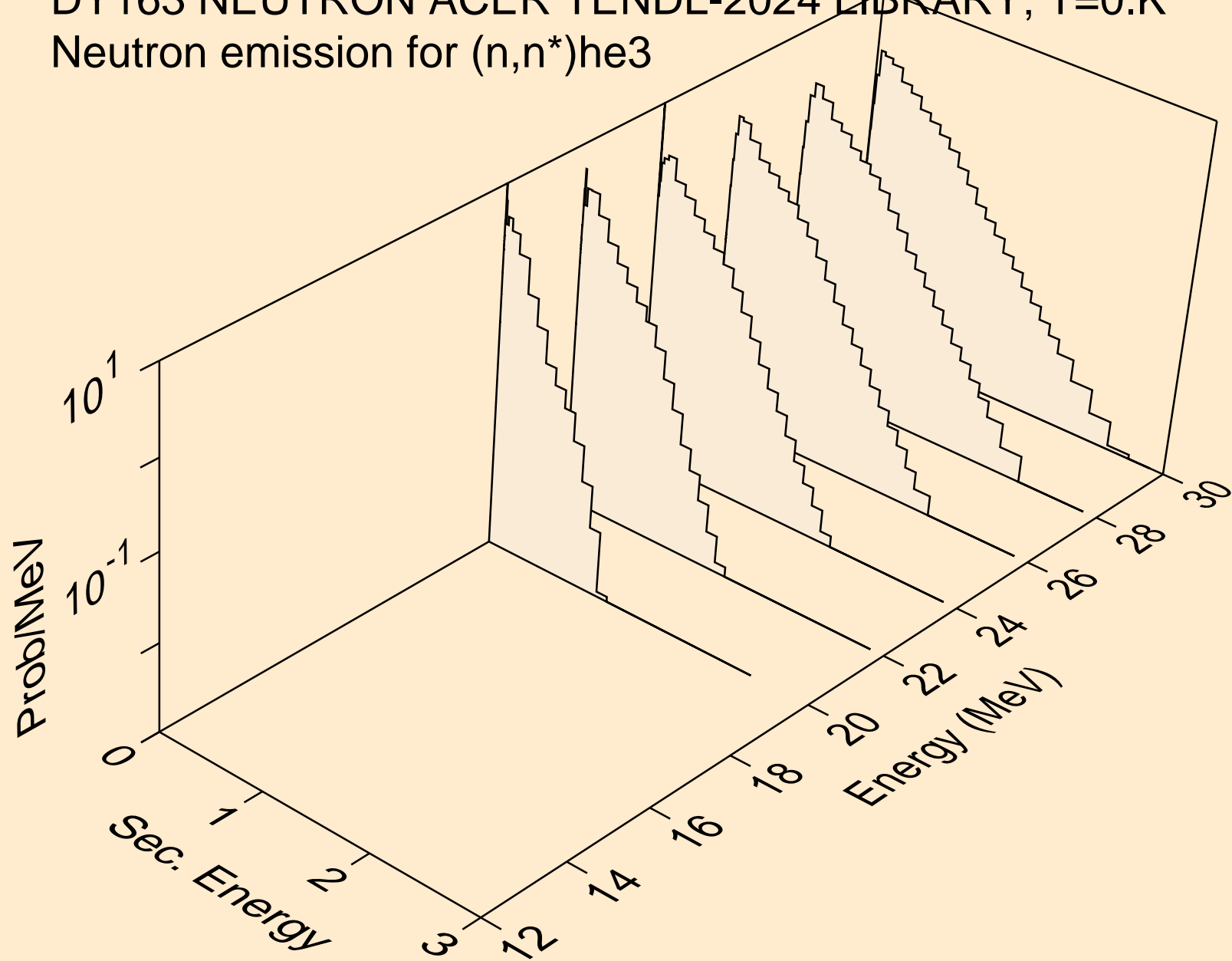
DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d



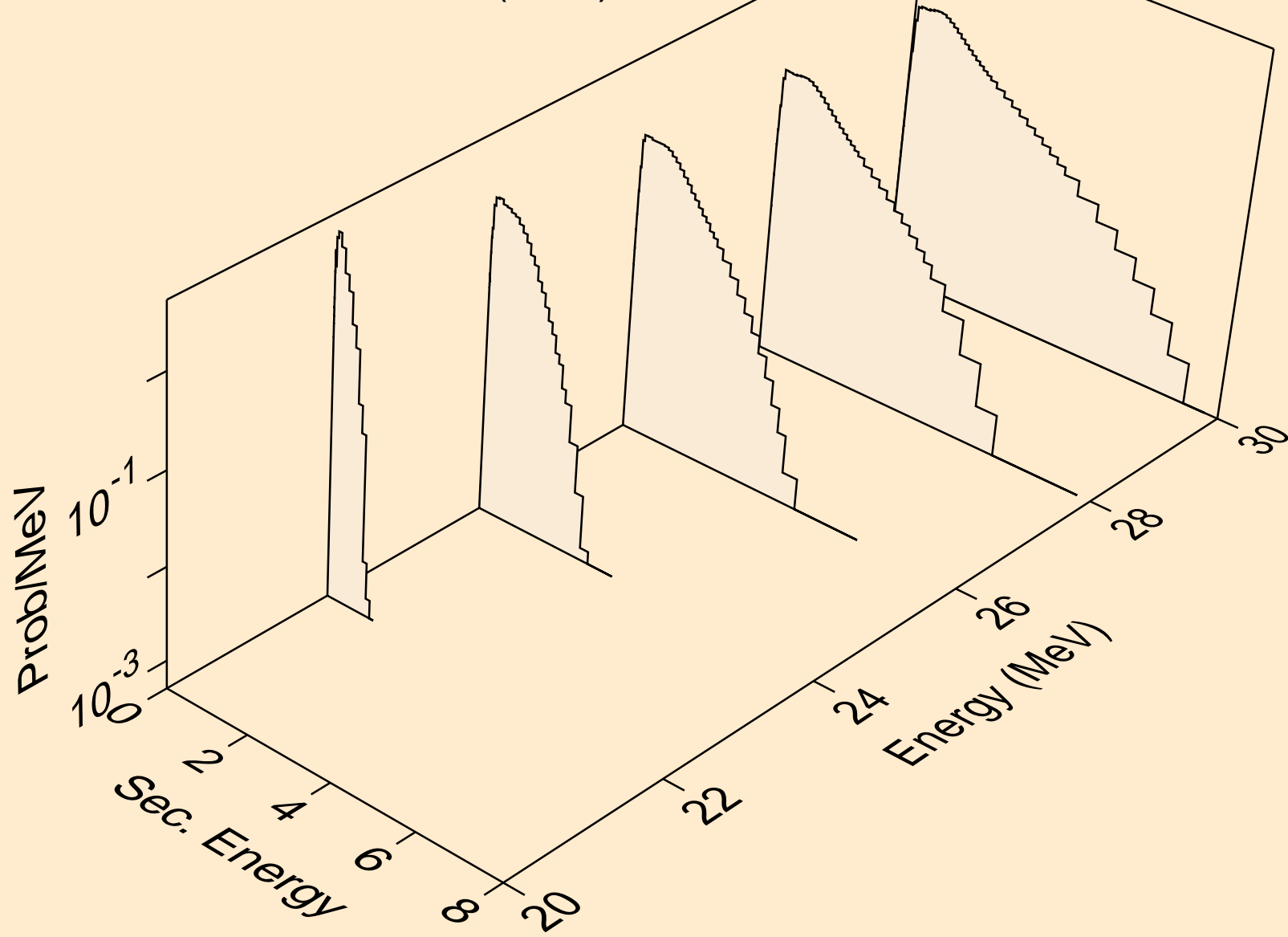
DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3

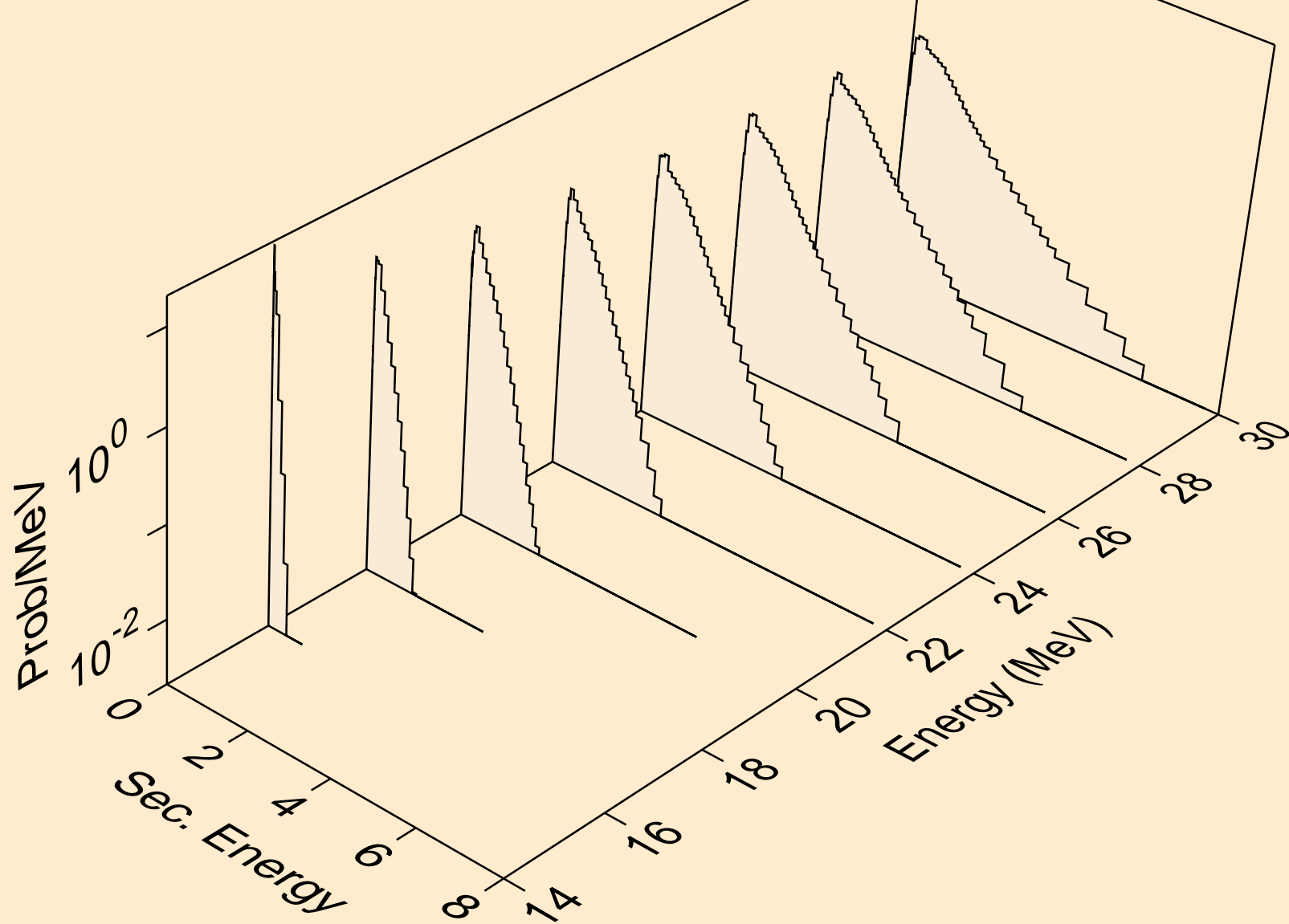


DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,4n)

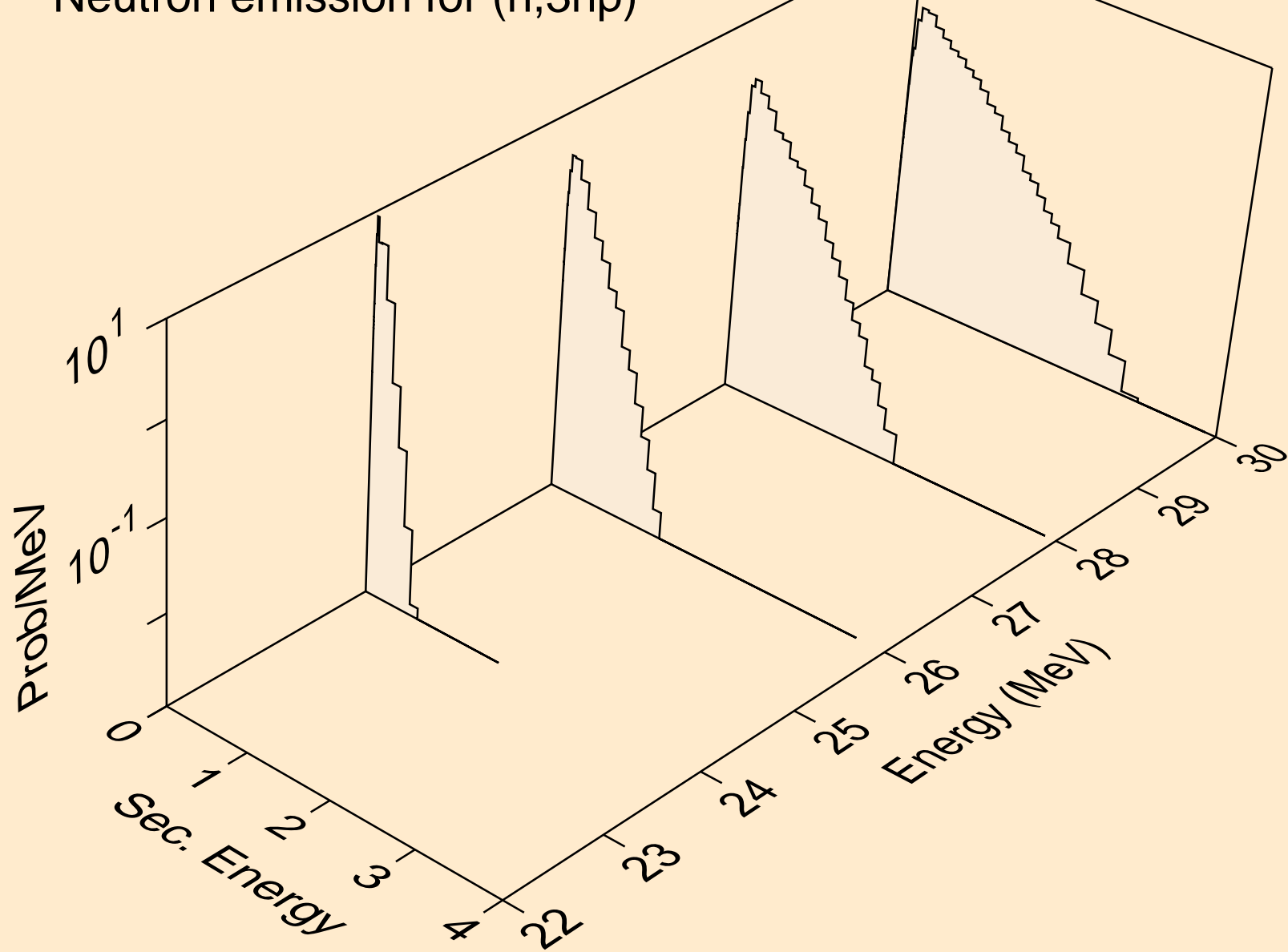




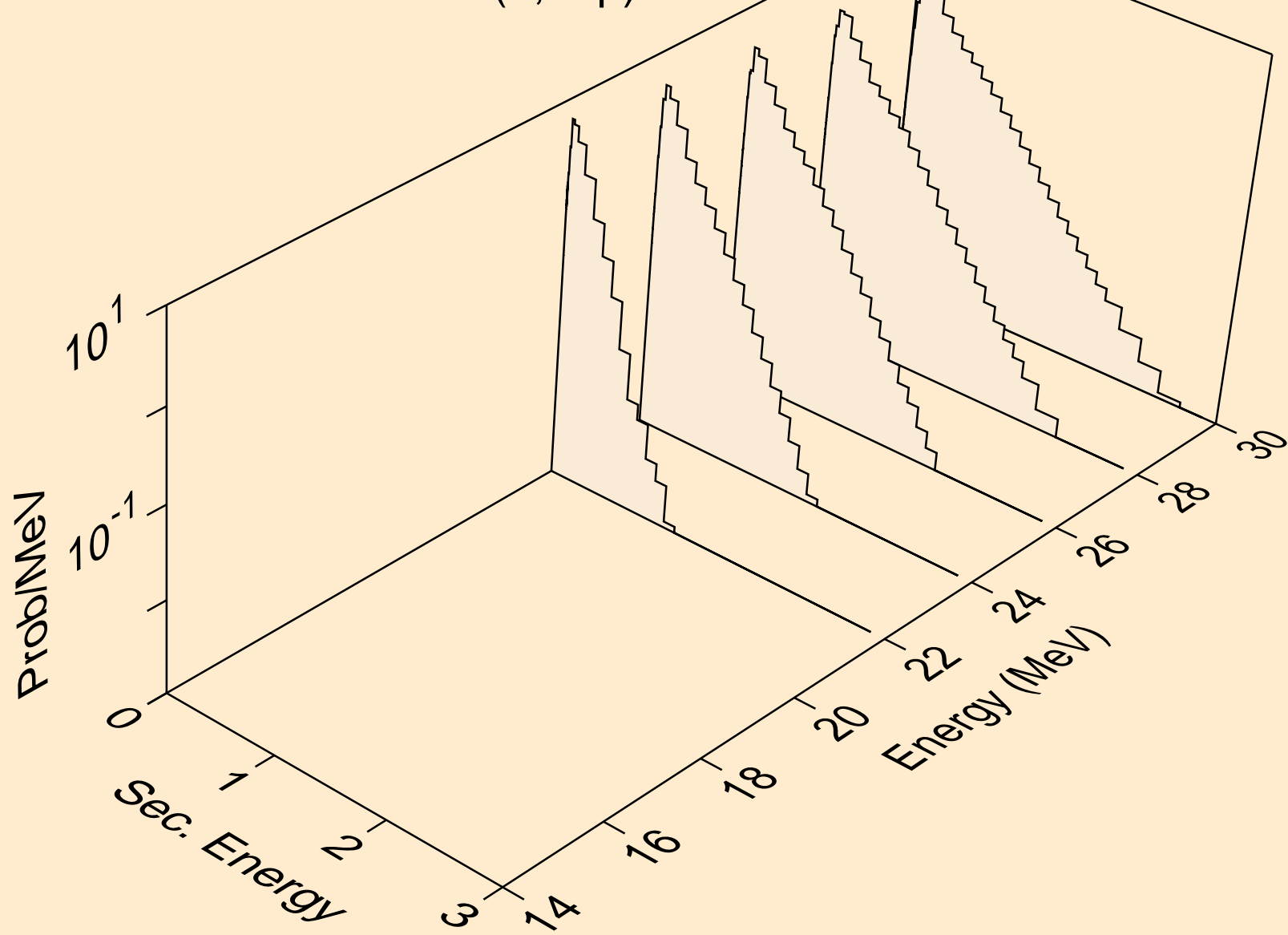
DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2np)



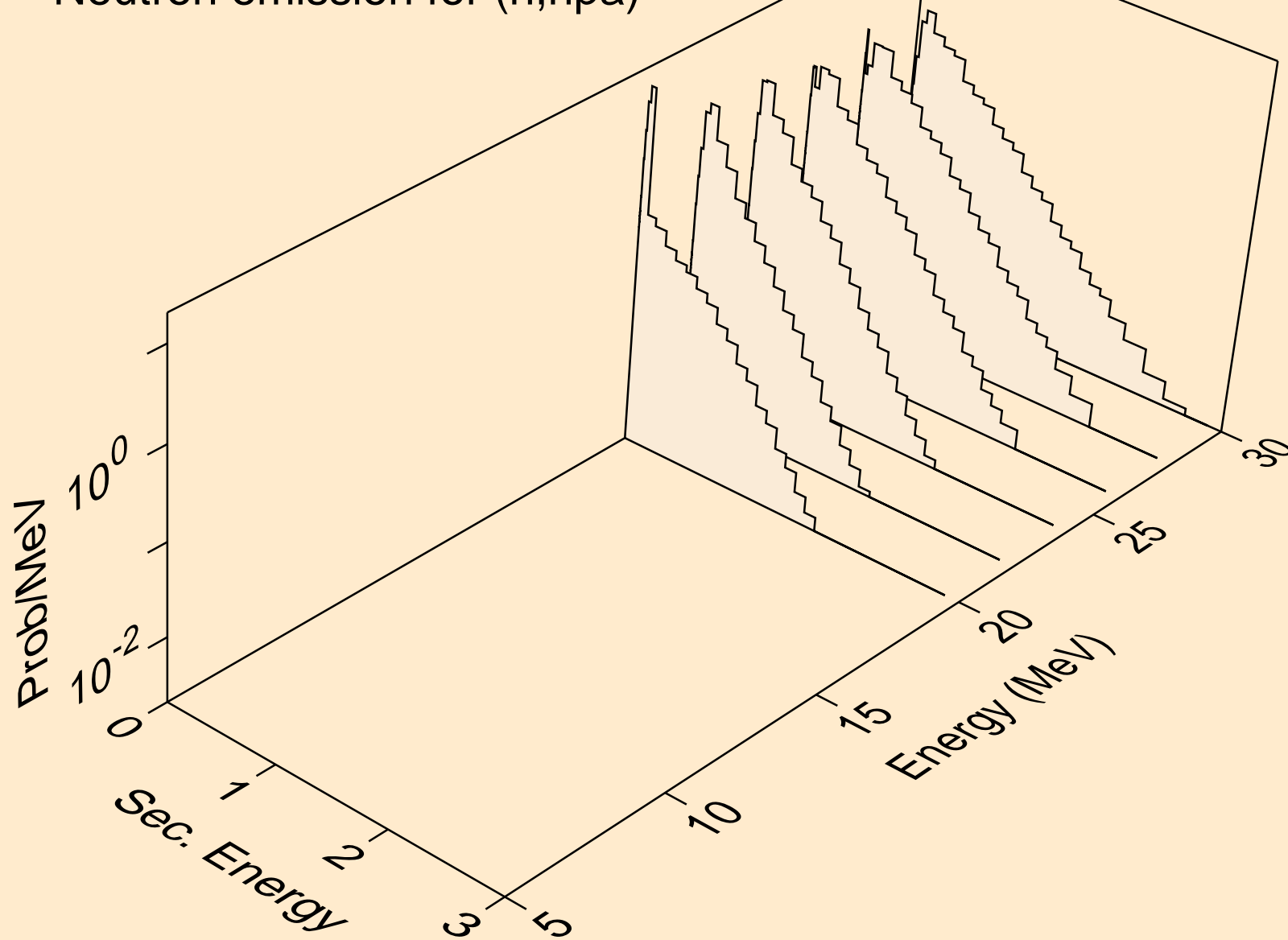
DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3np)



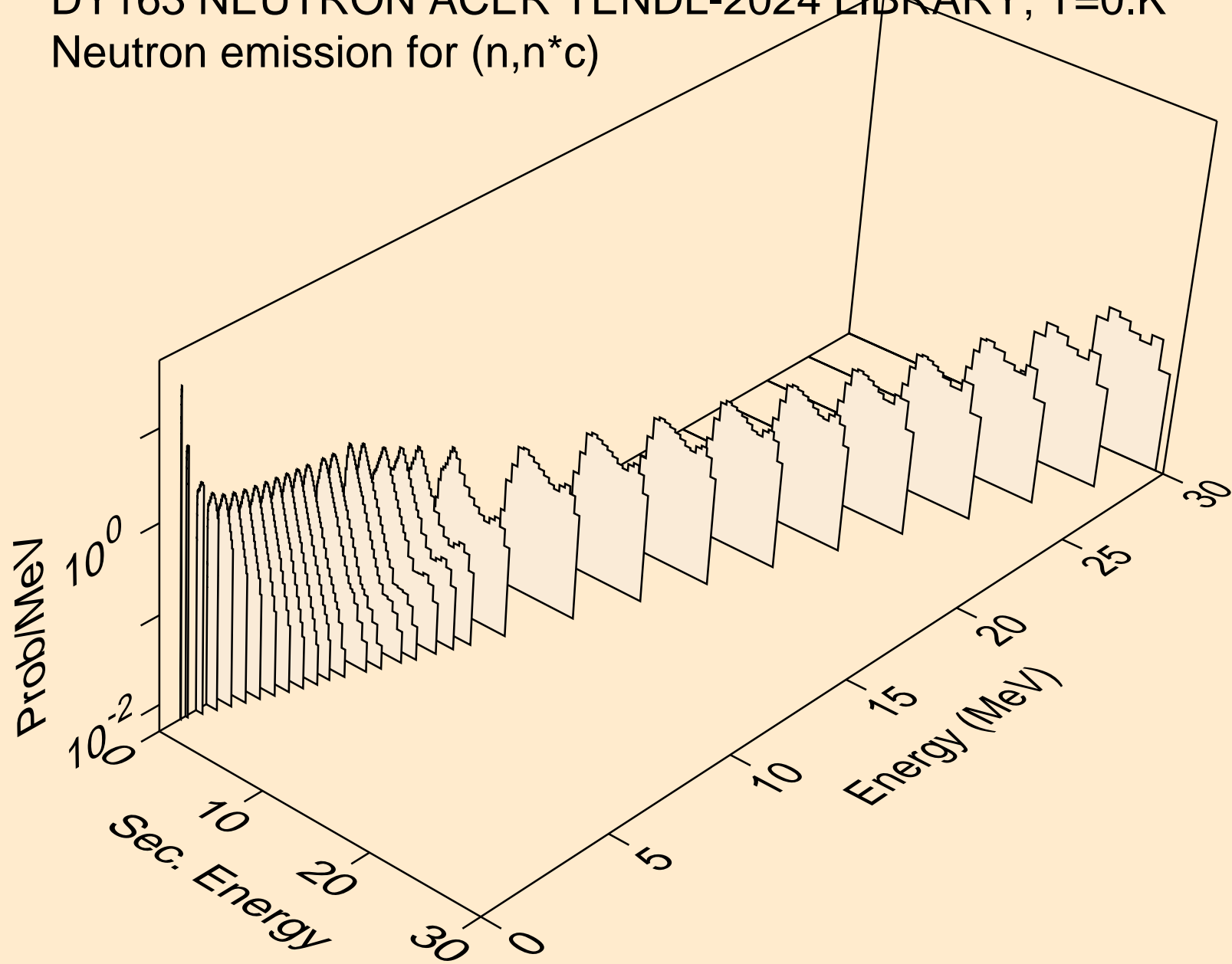
DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n2p)



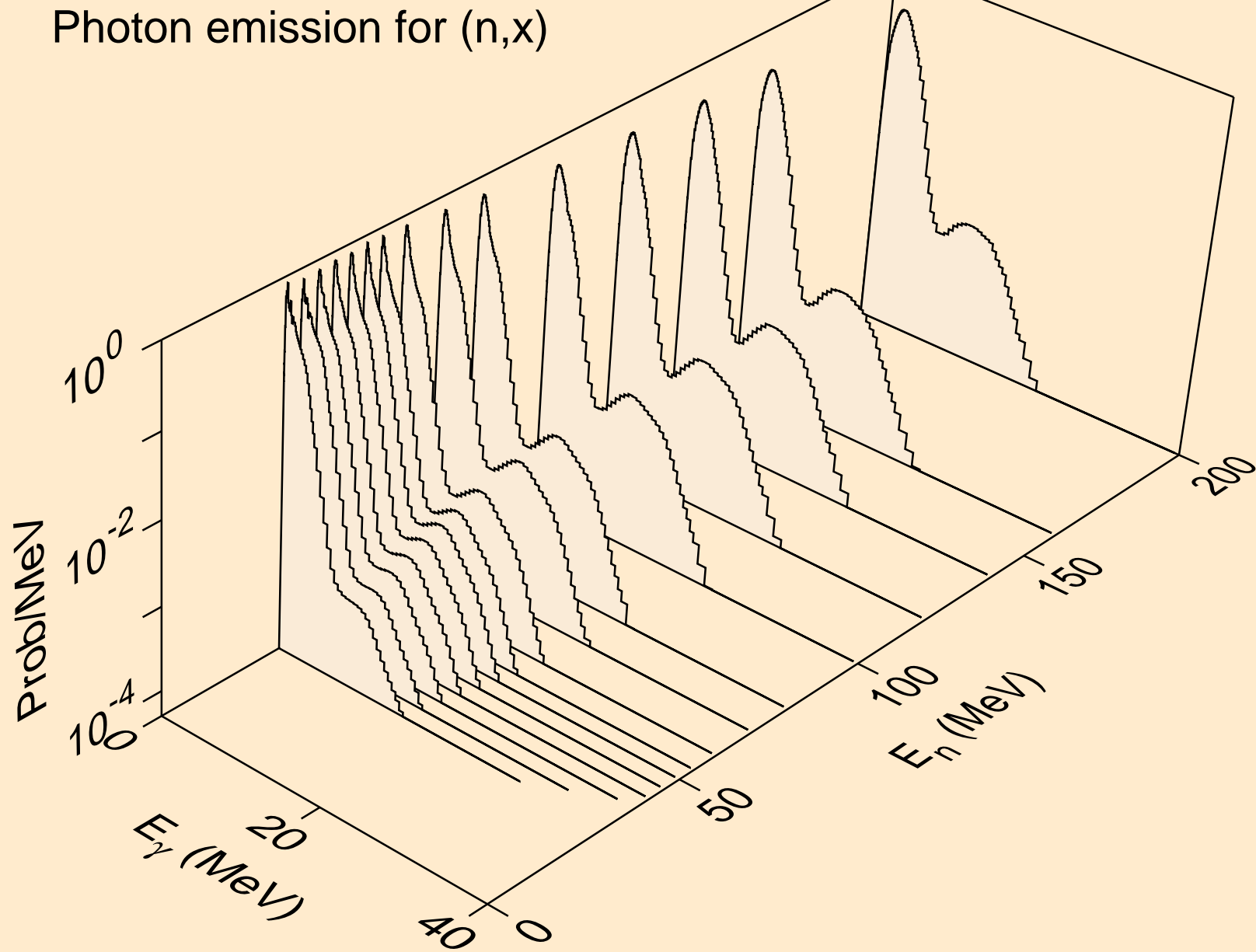
DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,npa)



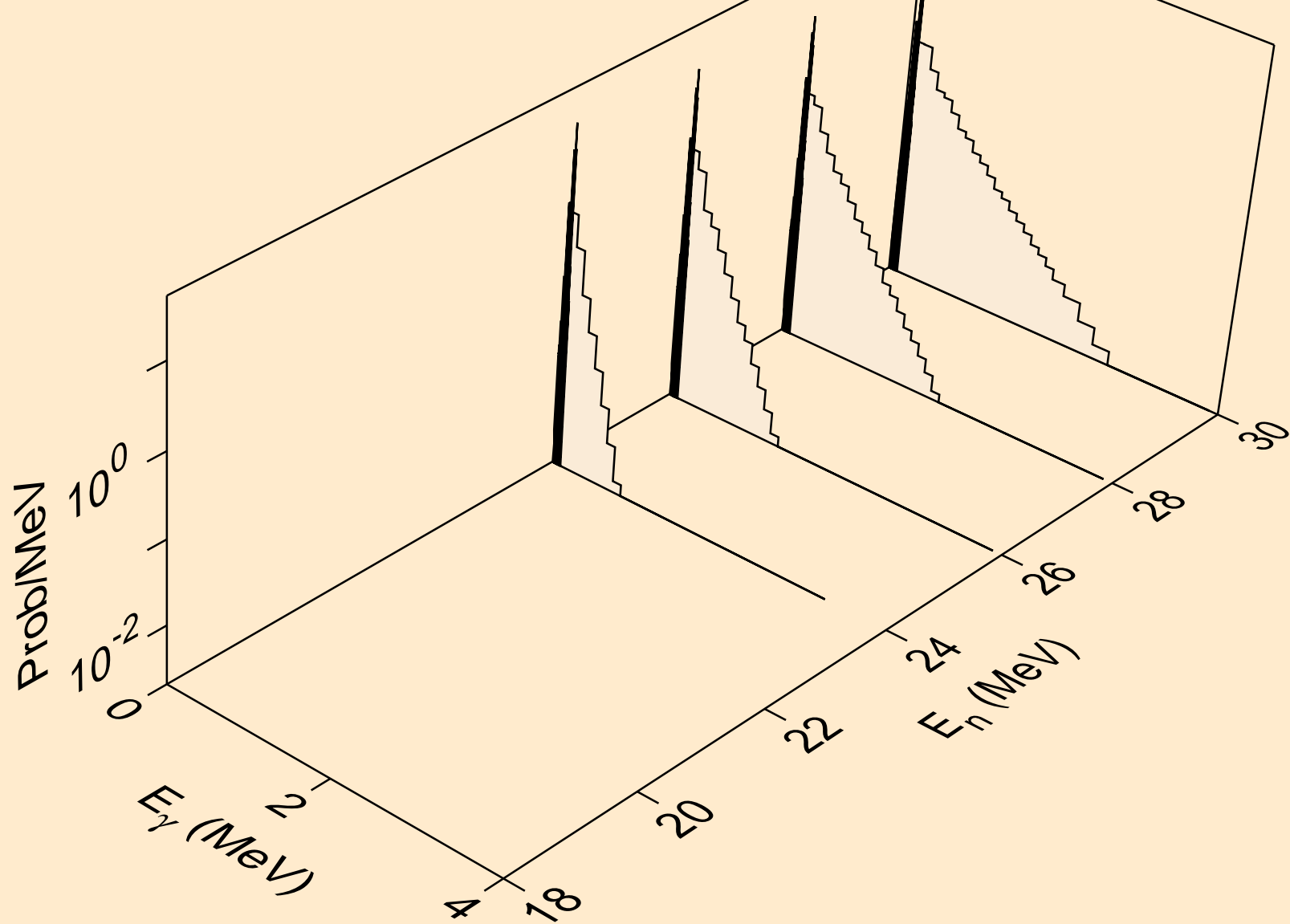
DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)



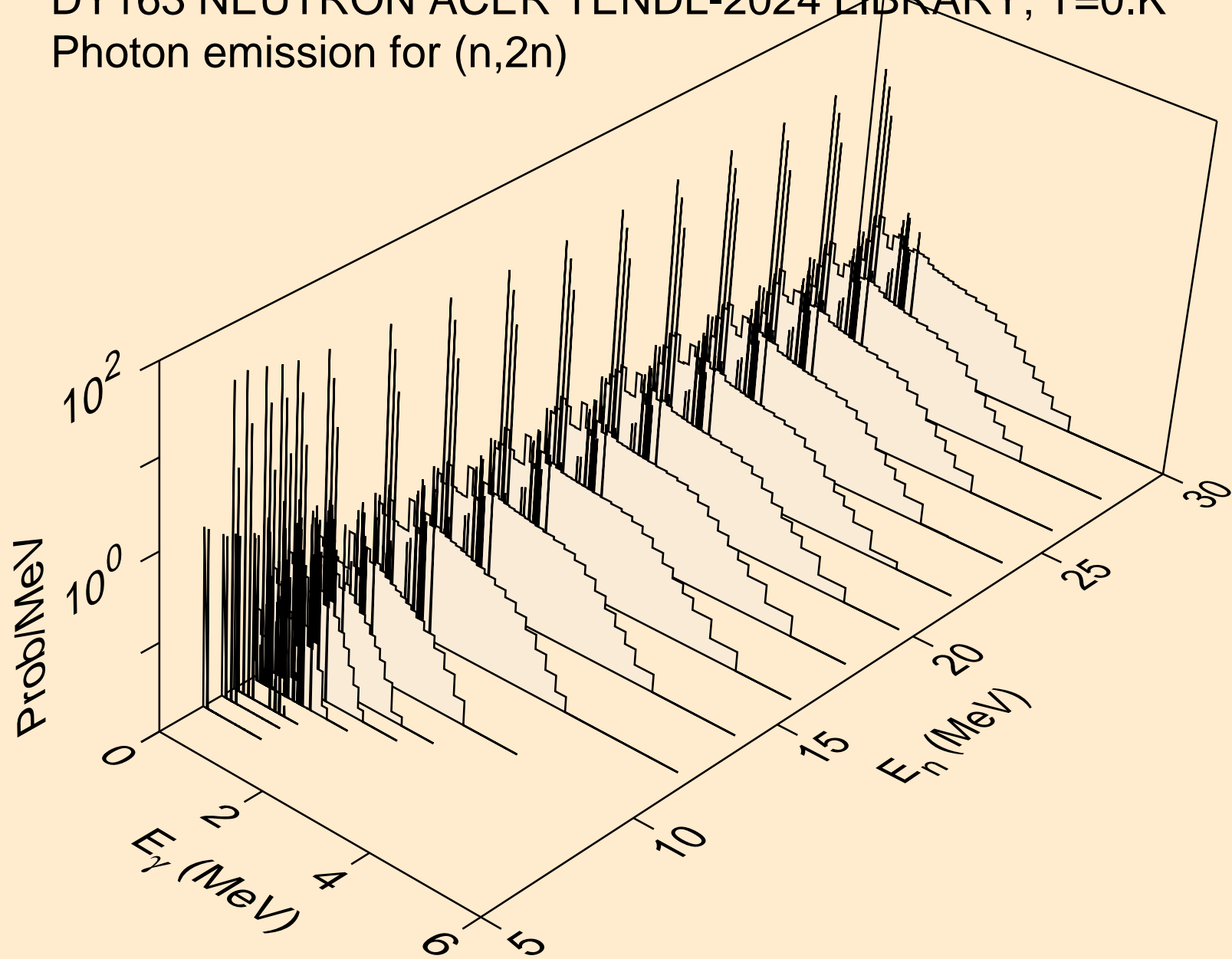
DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,x)



DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2nd)

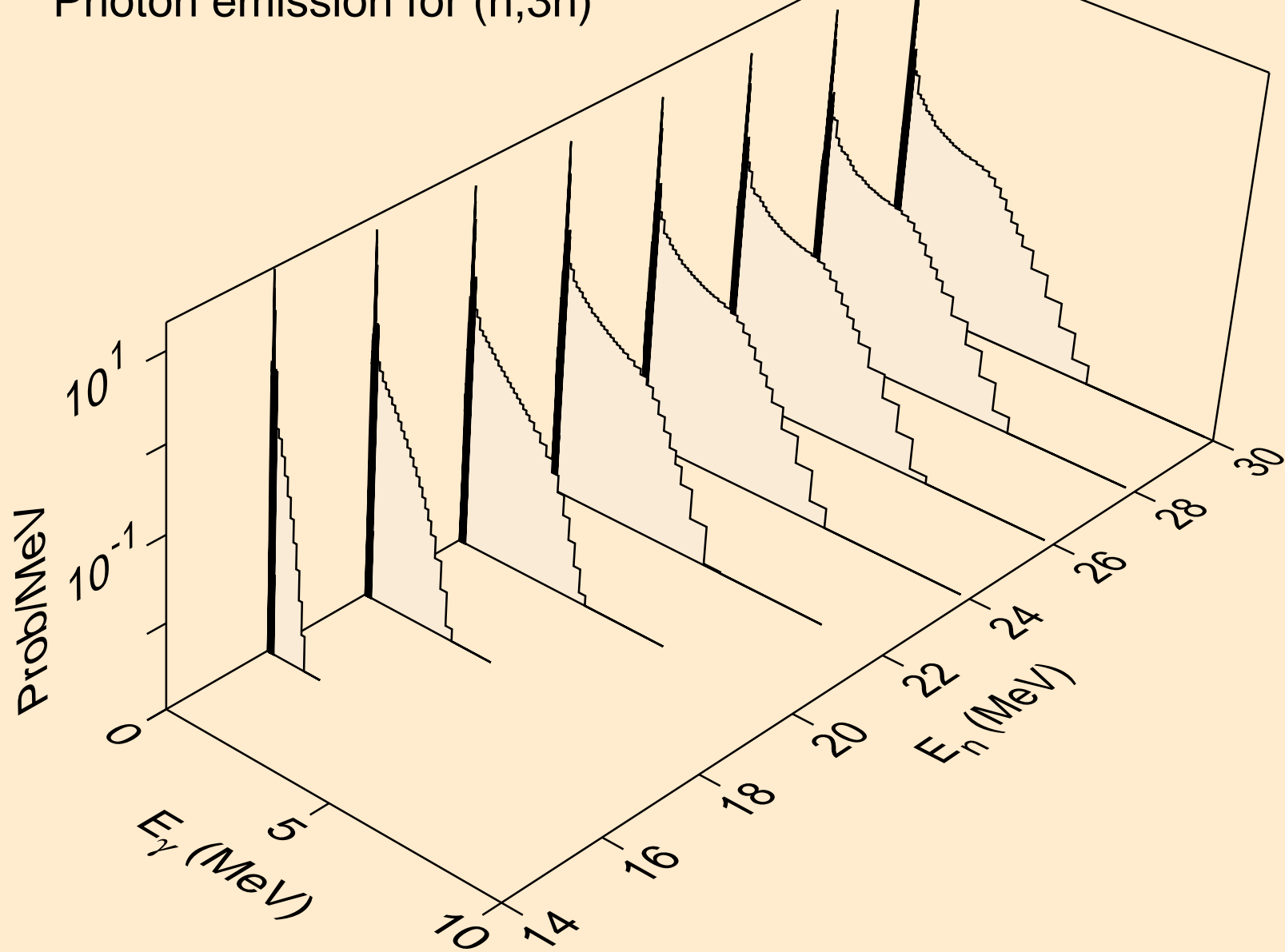


DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)

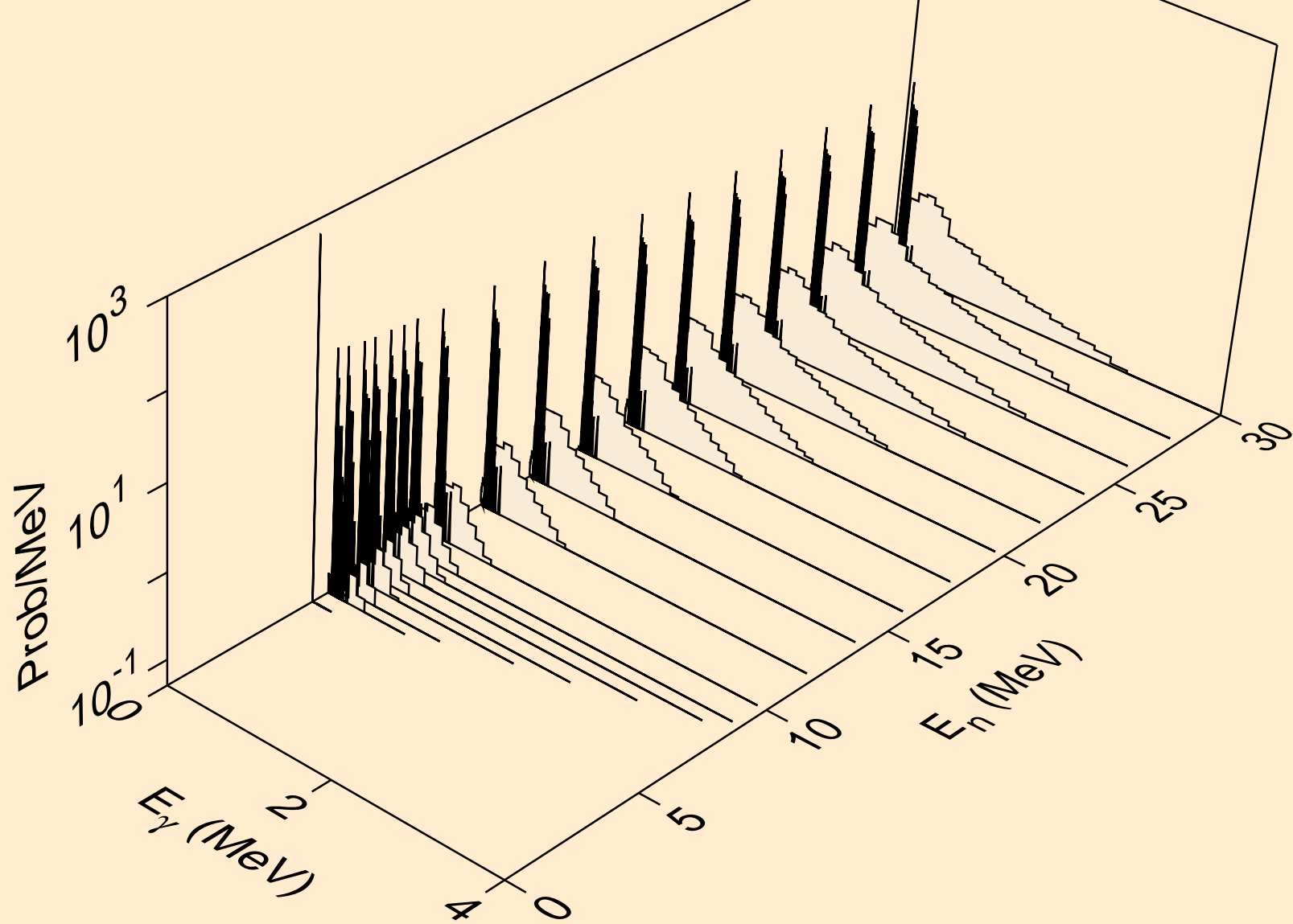




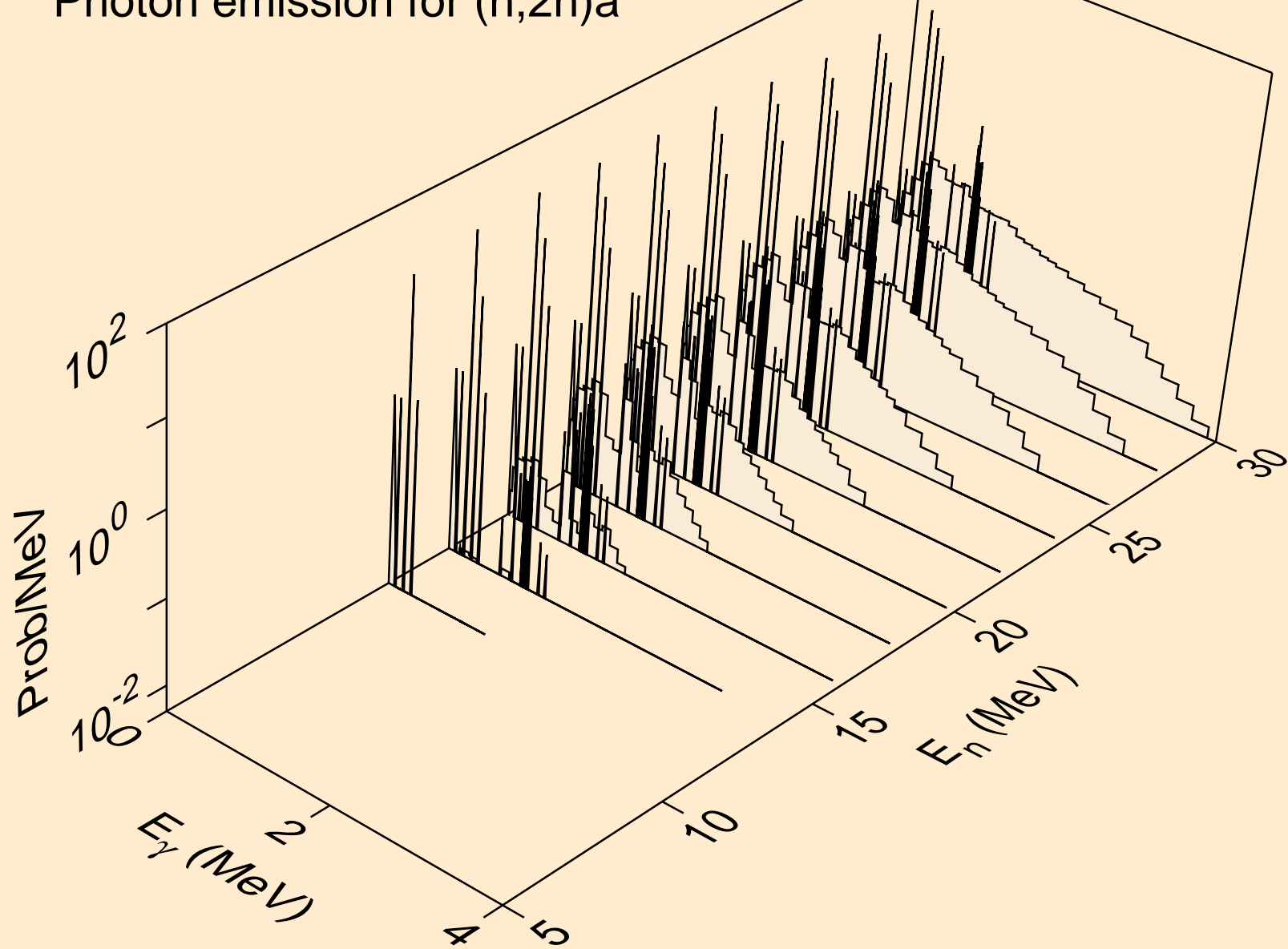
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Photon emission for (n,3n)



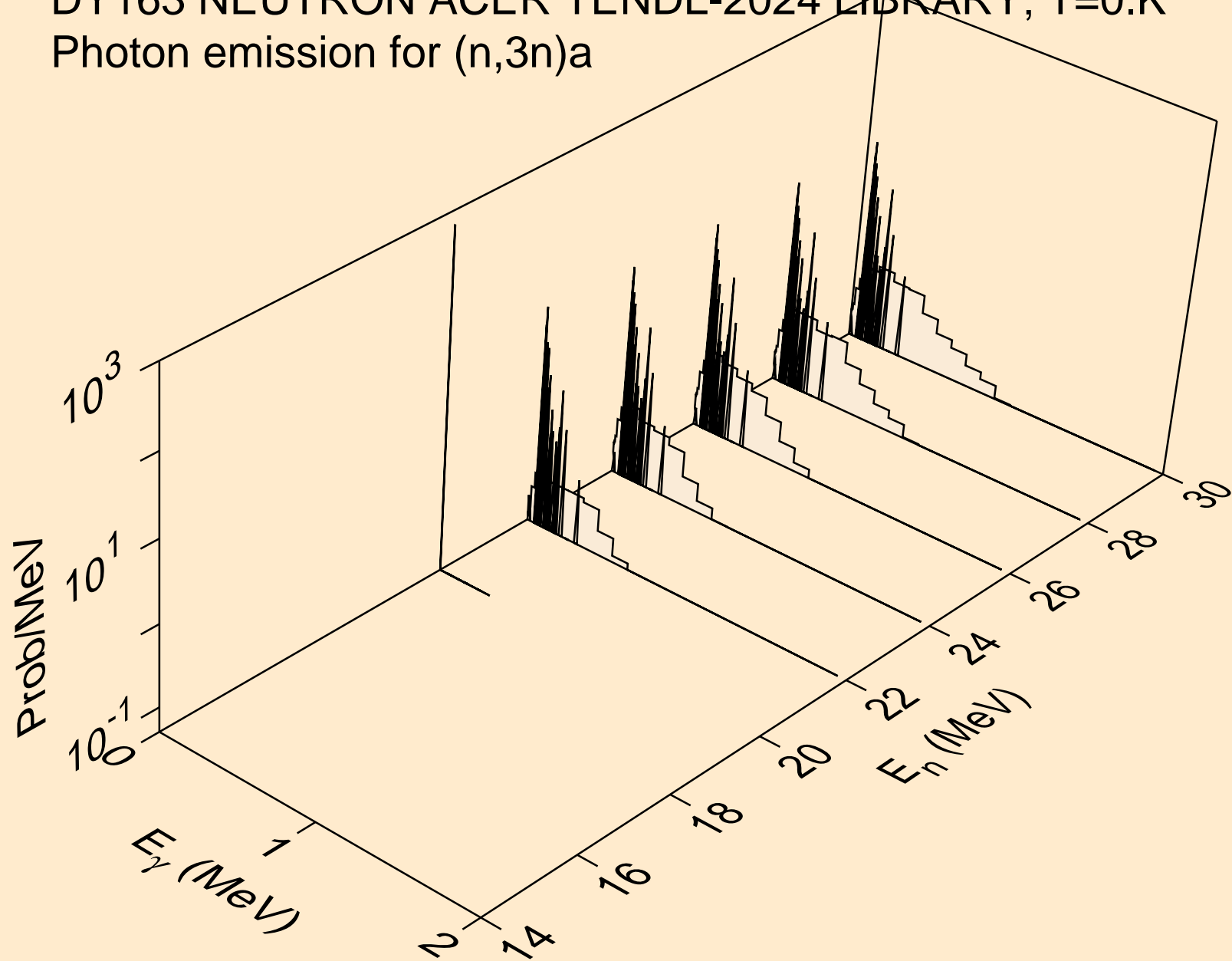
DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



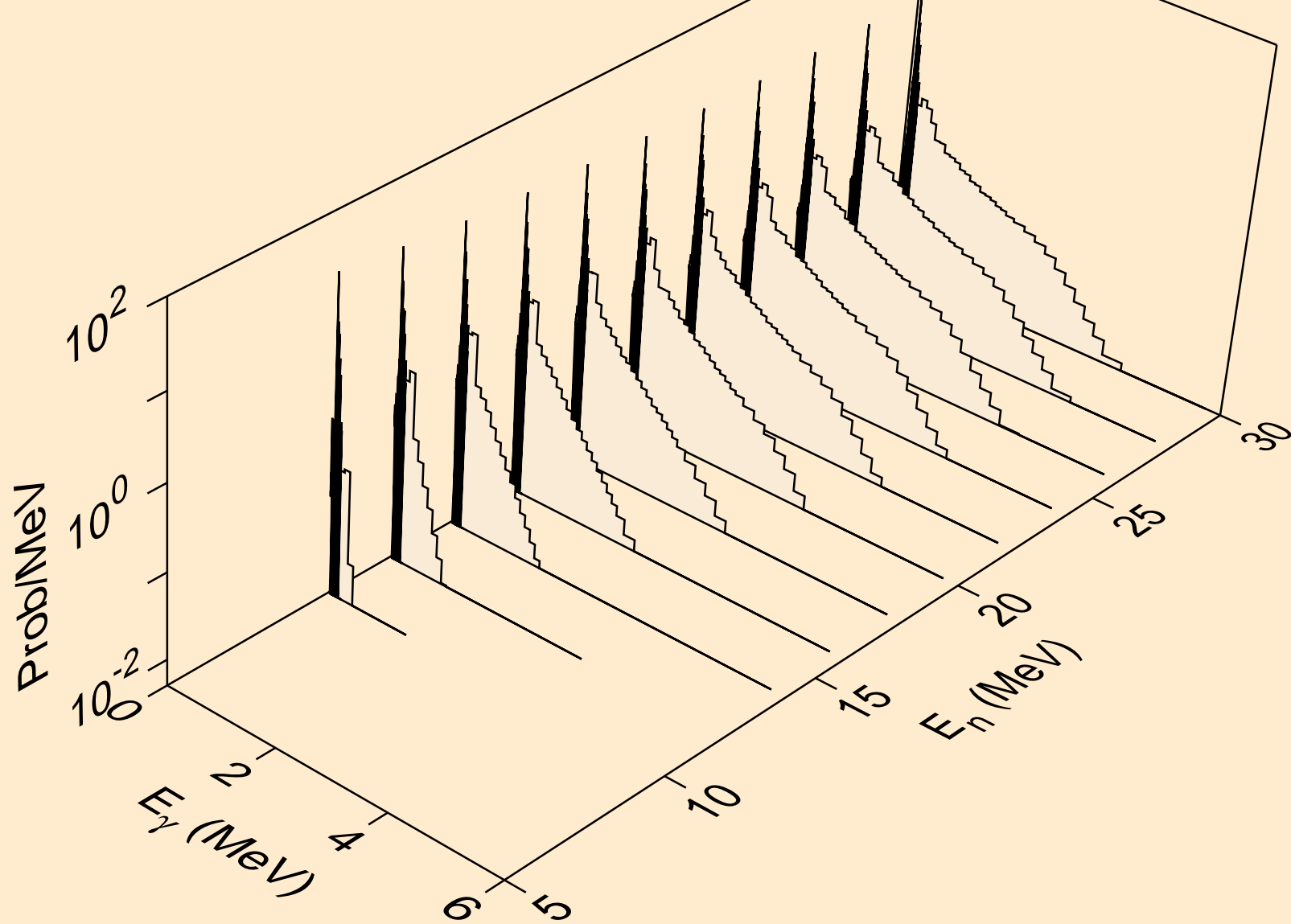
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Photon emission for (n,2n)a



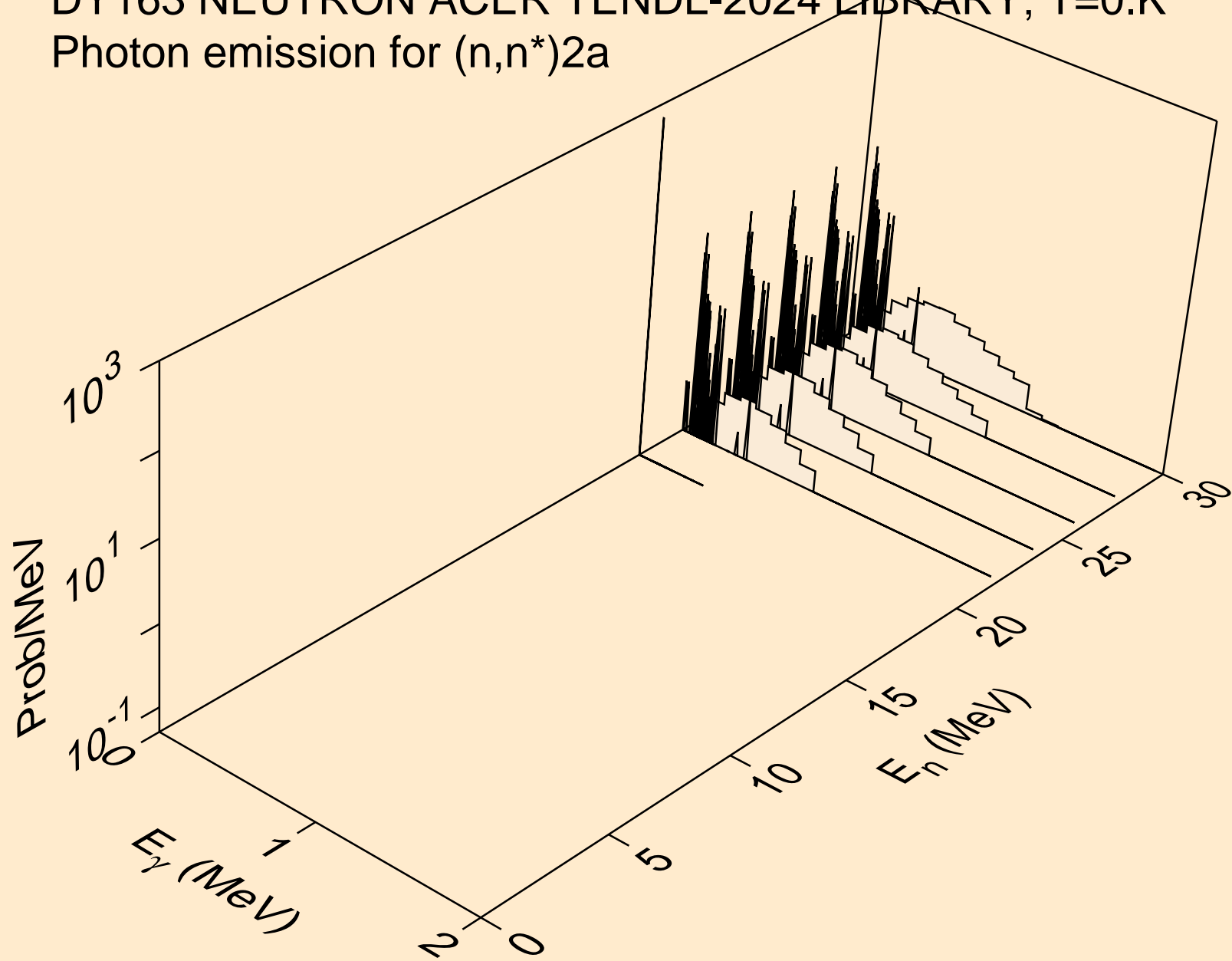
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Photon emission for (n,3n)a



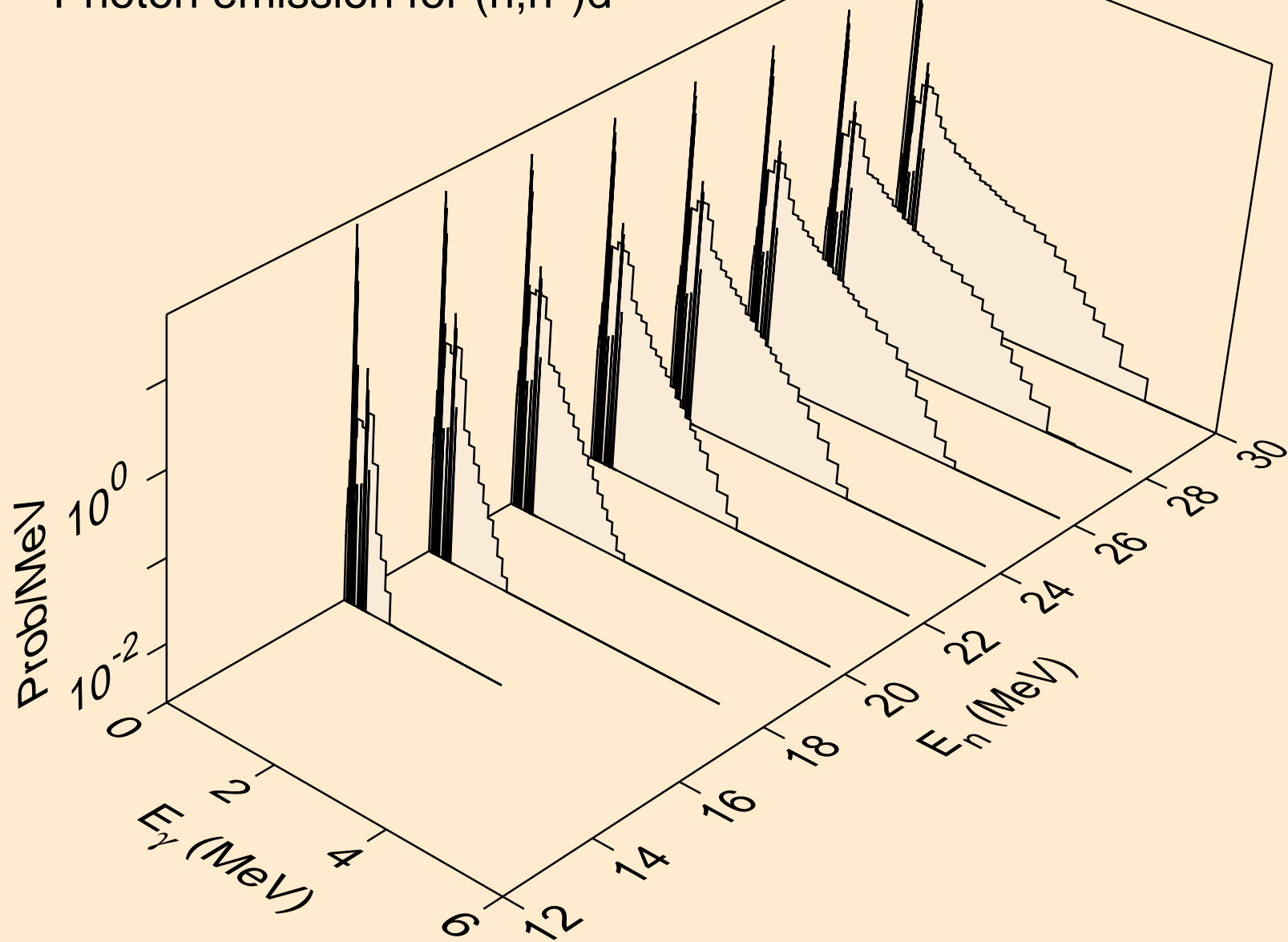
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Photon emission for (n,n\*)p



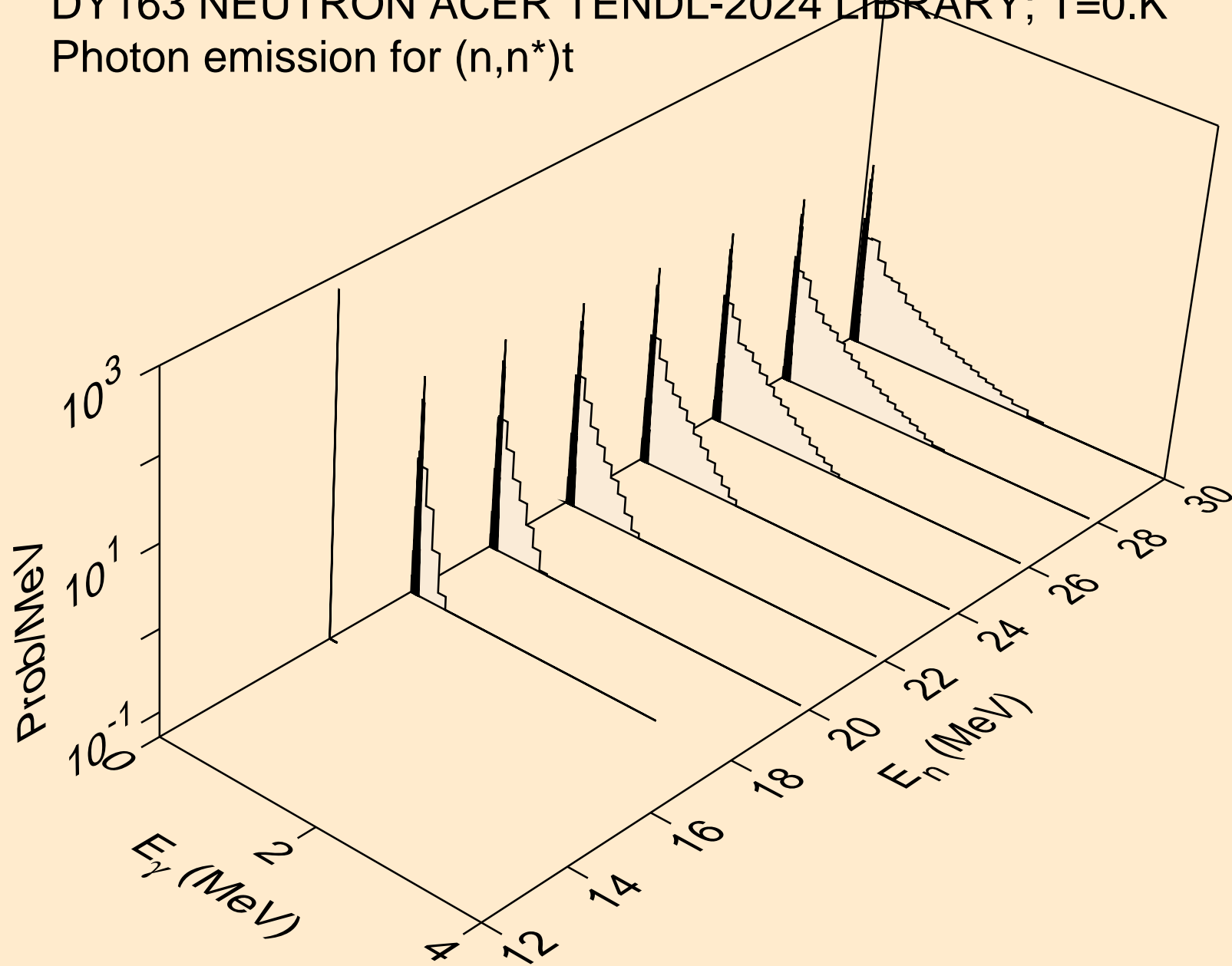
DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)d

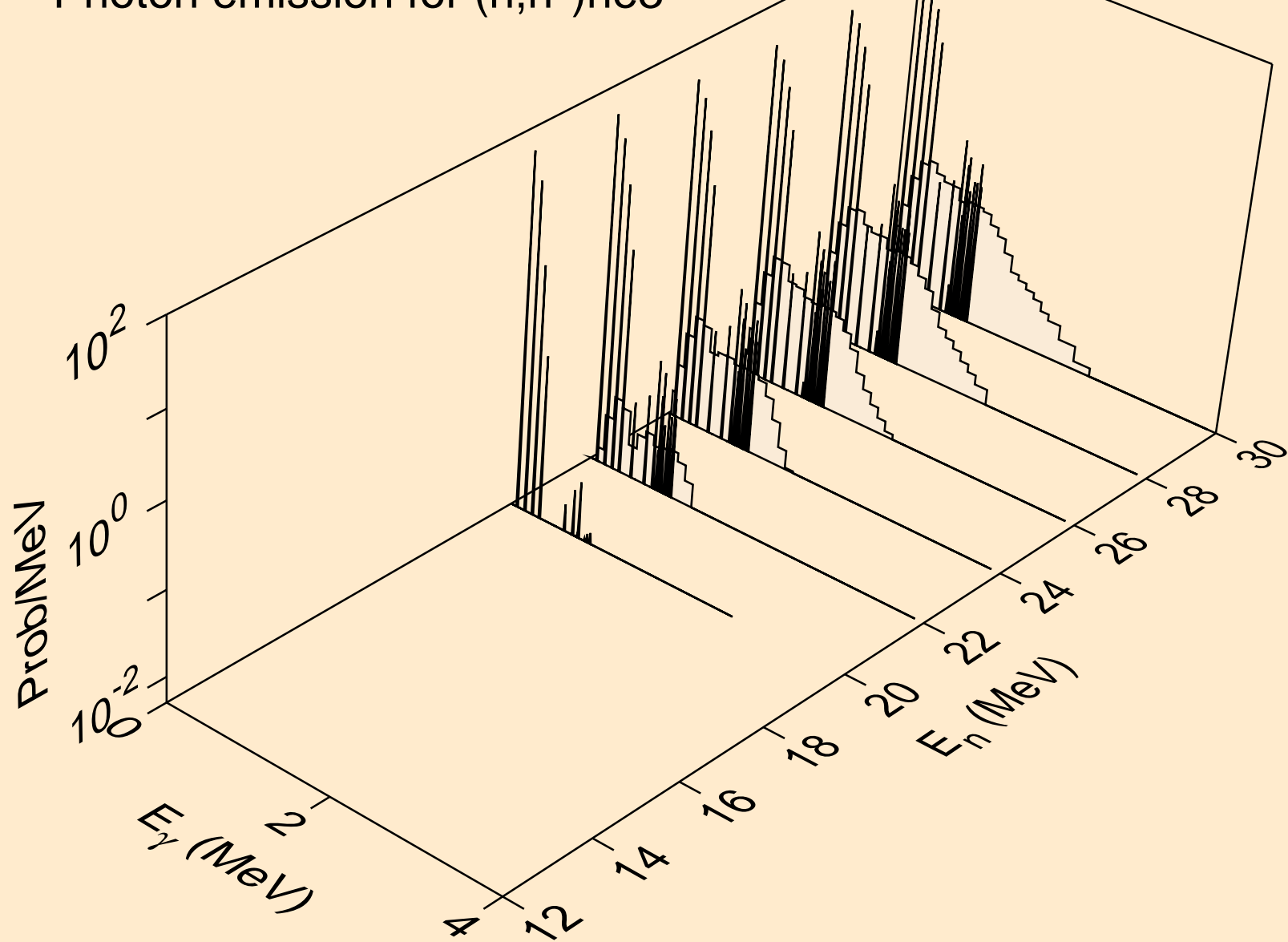


DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)t

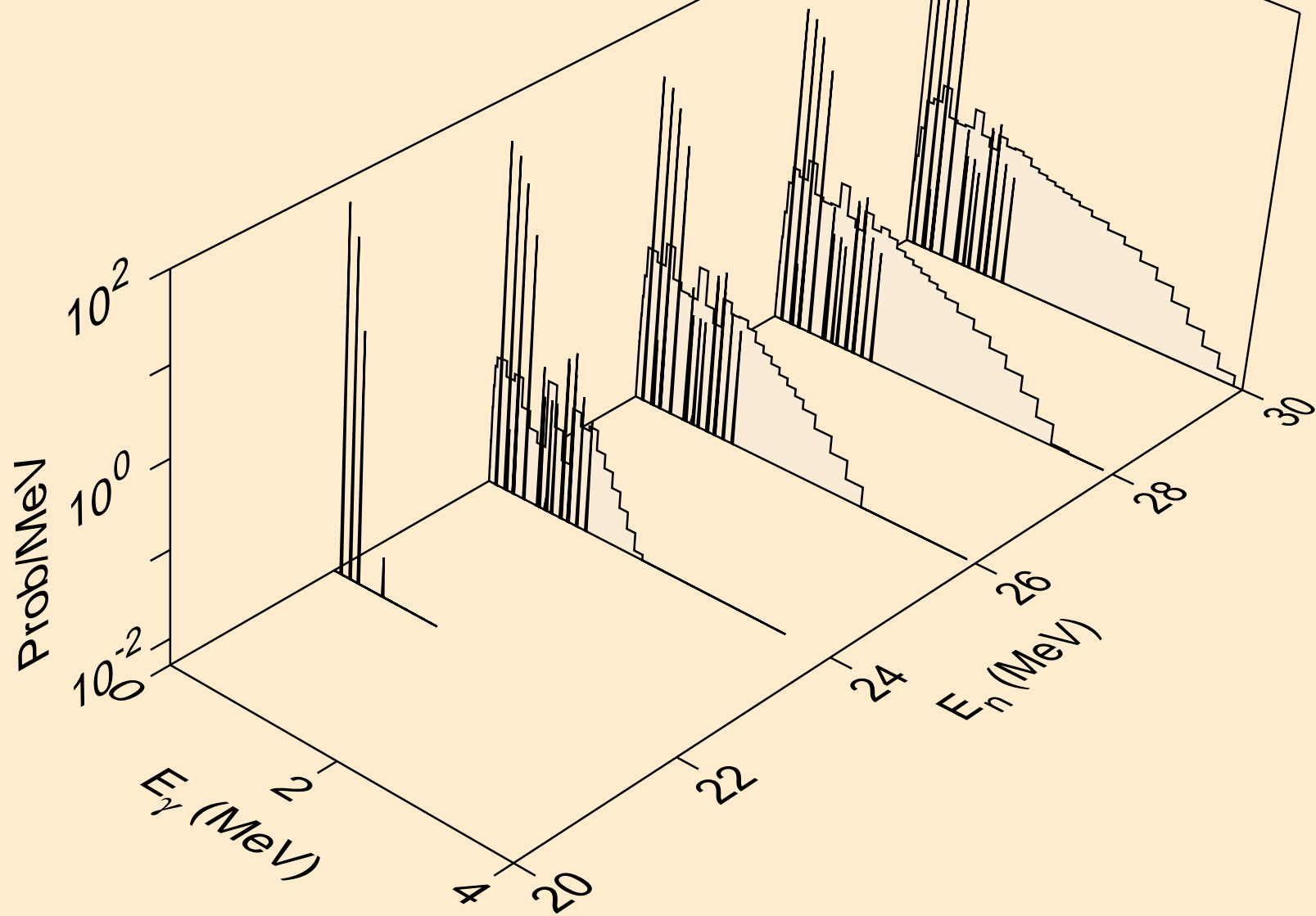




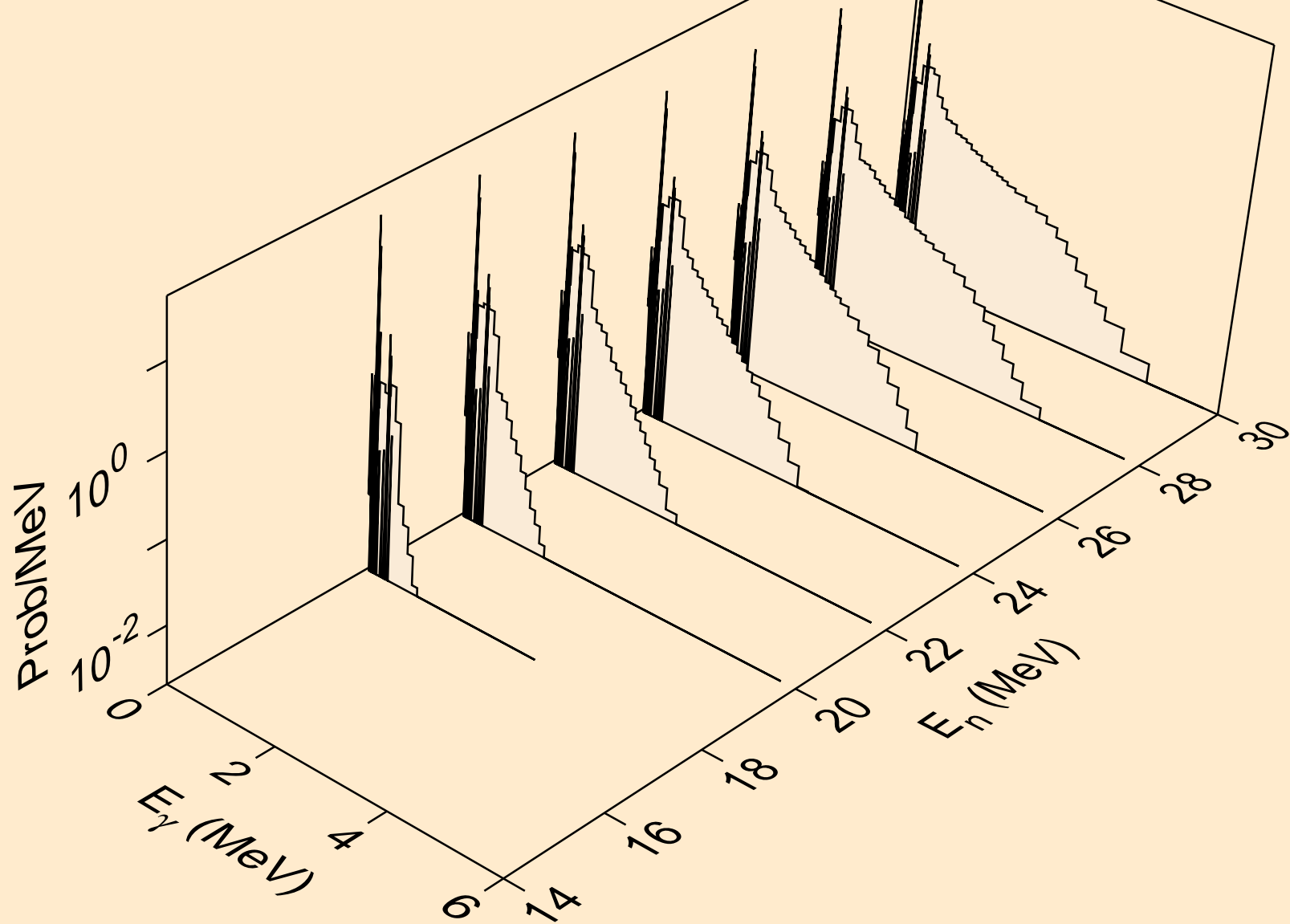
DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



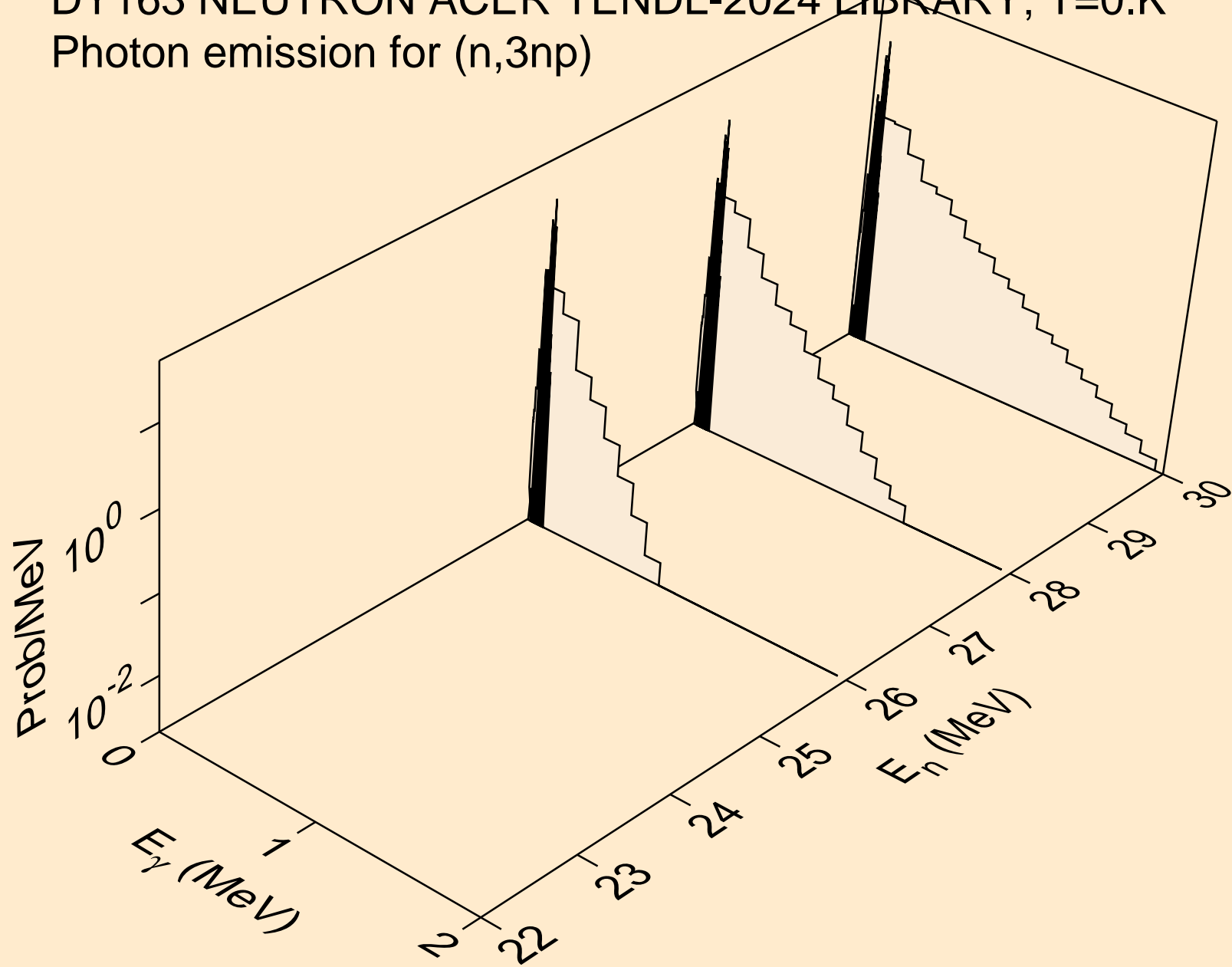
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Photon emission for (n,4n)



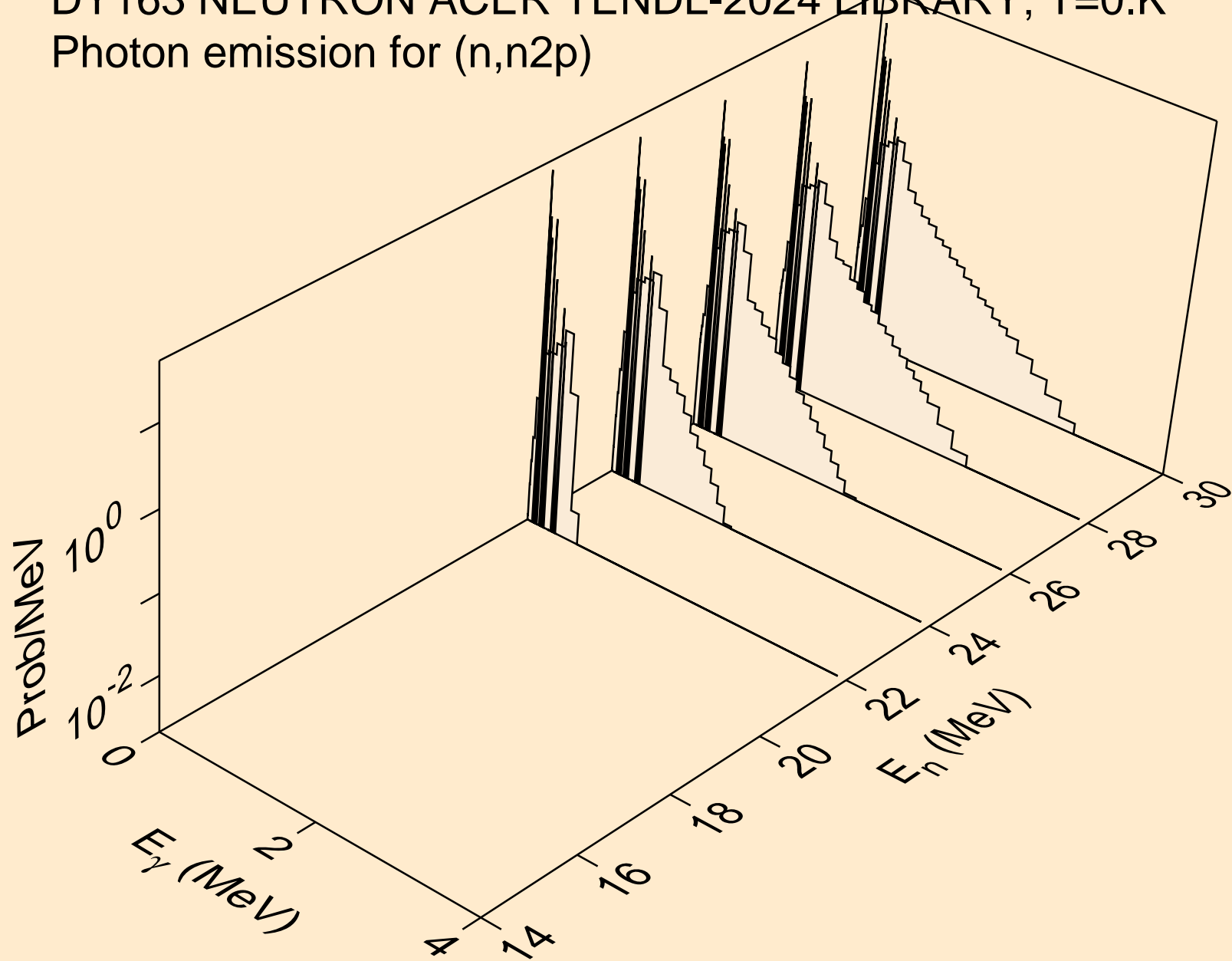
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Photon emission for (n,2np)



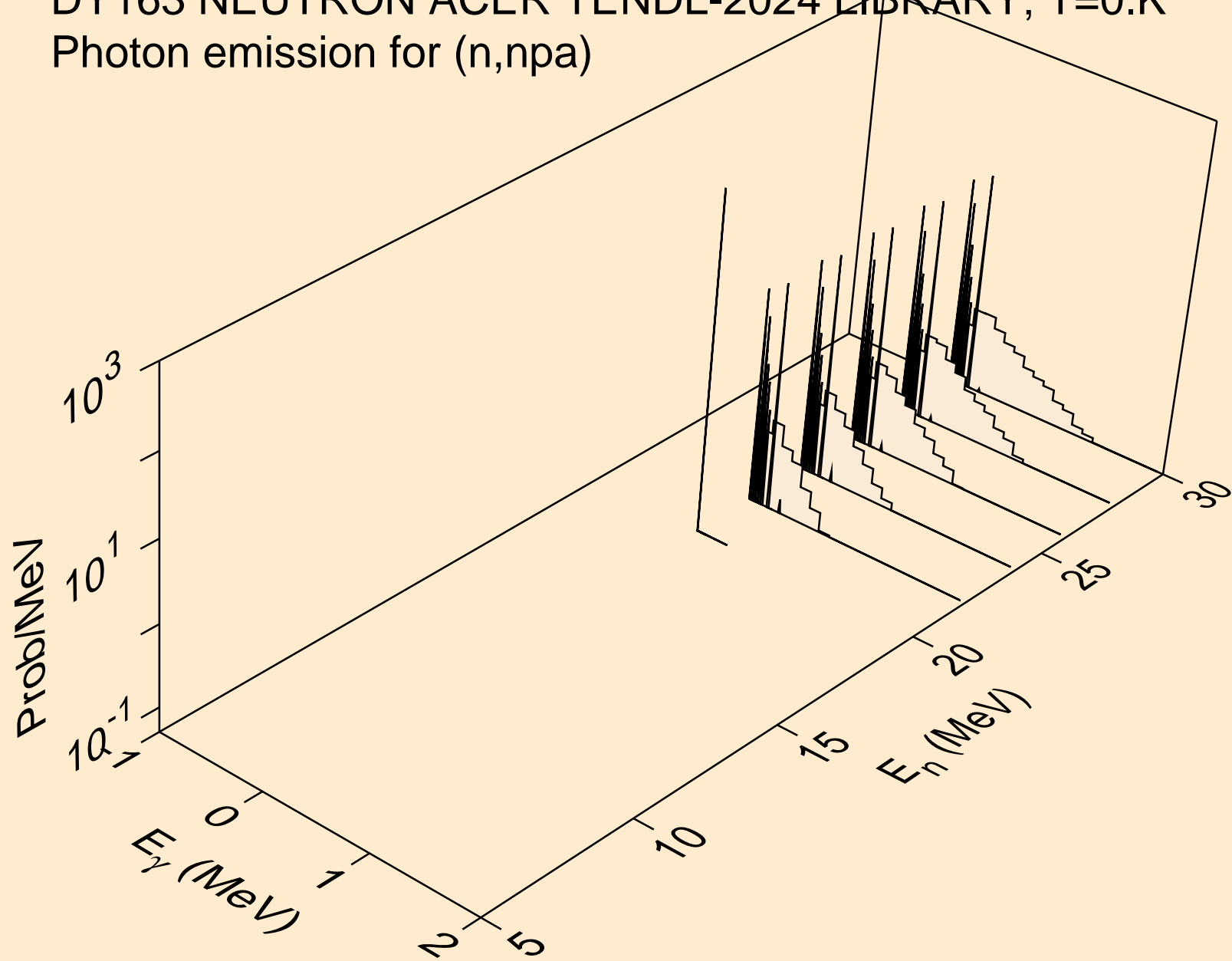
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Photon emission for (n,3np)



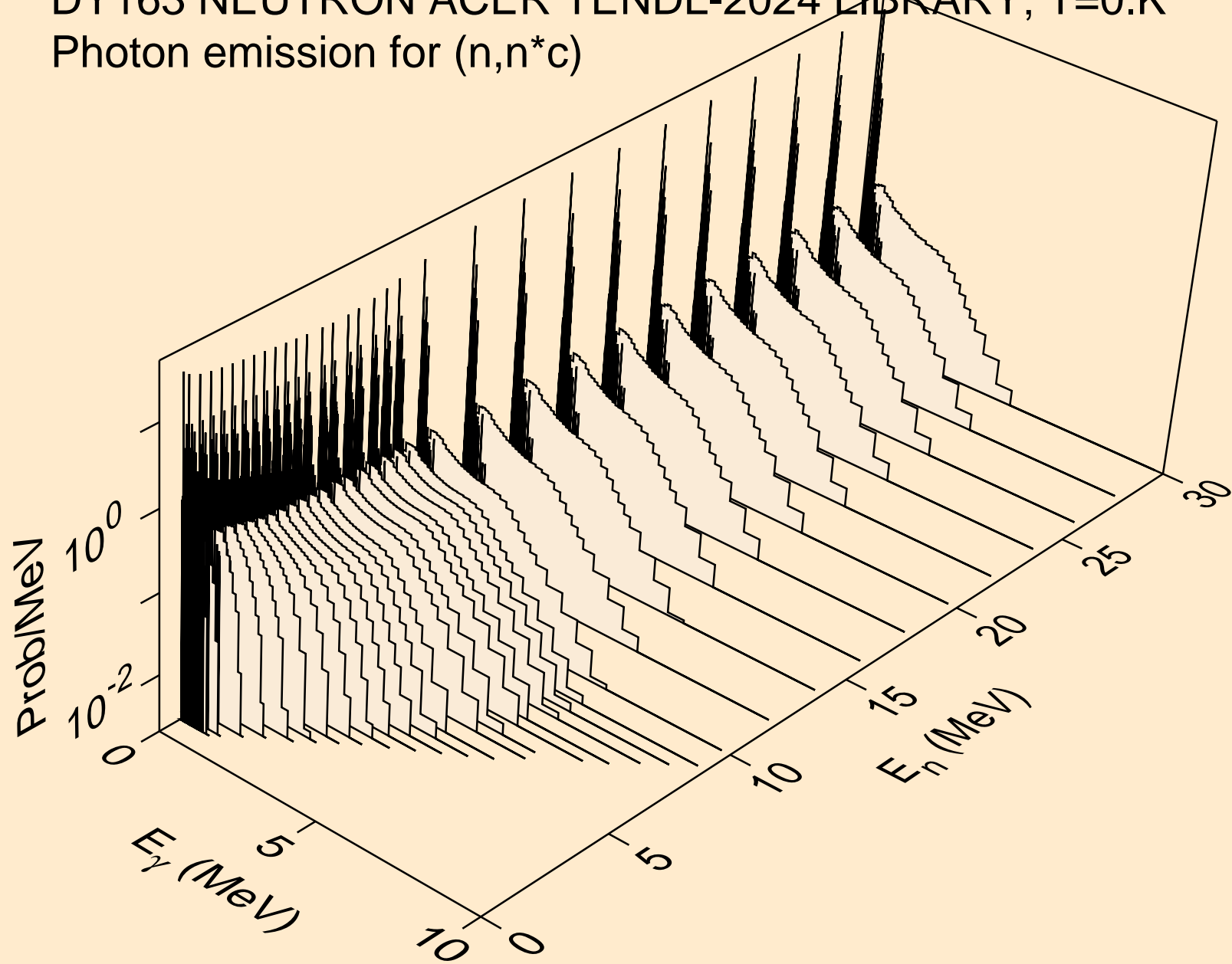
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Photon emission for (n,n2p)



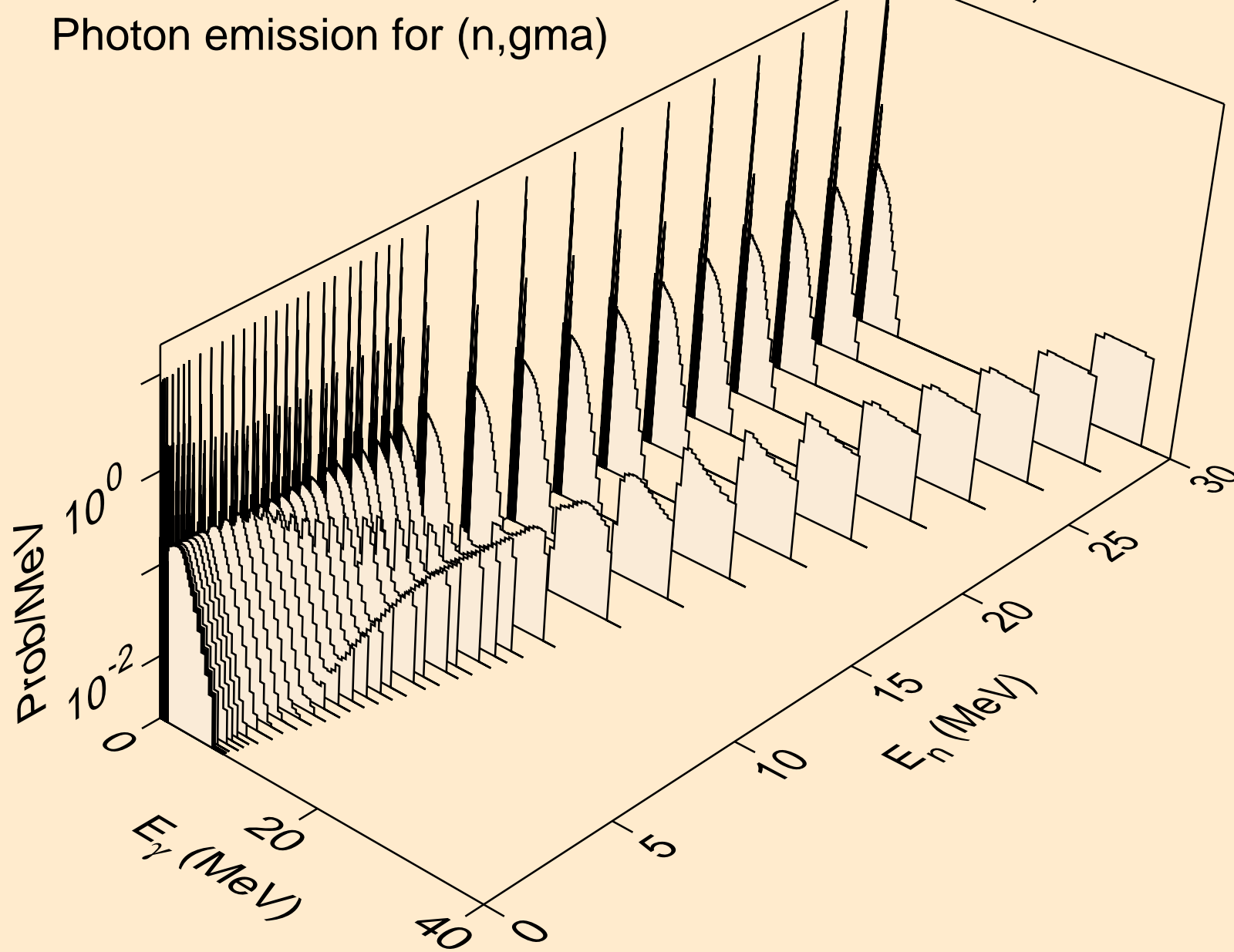
DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,npa)



DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*c)

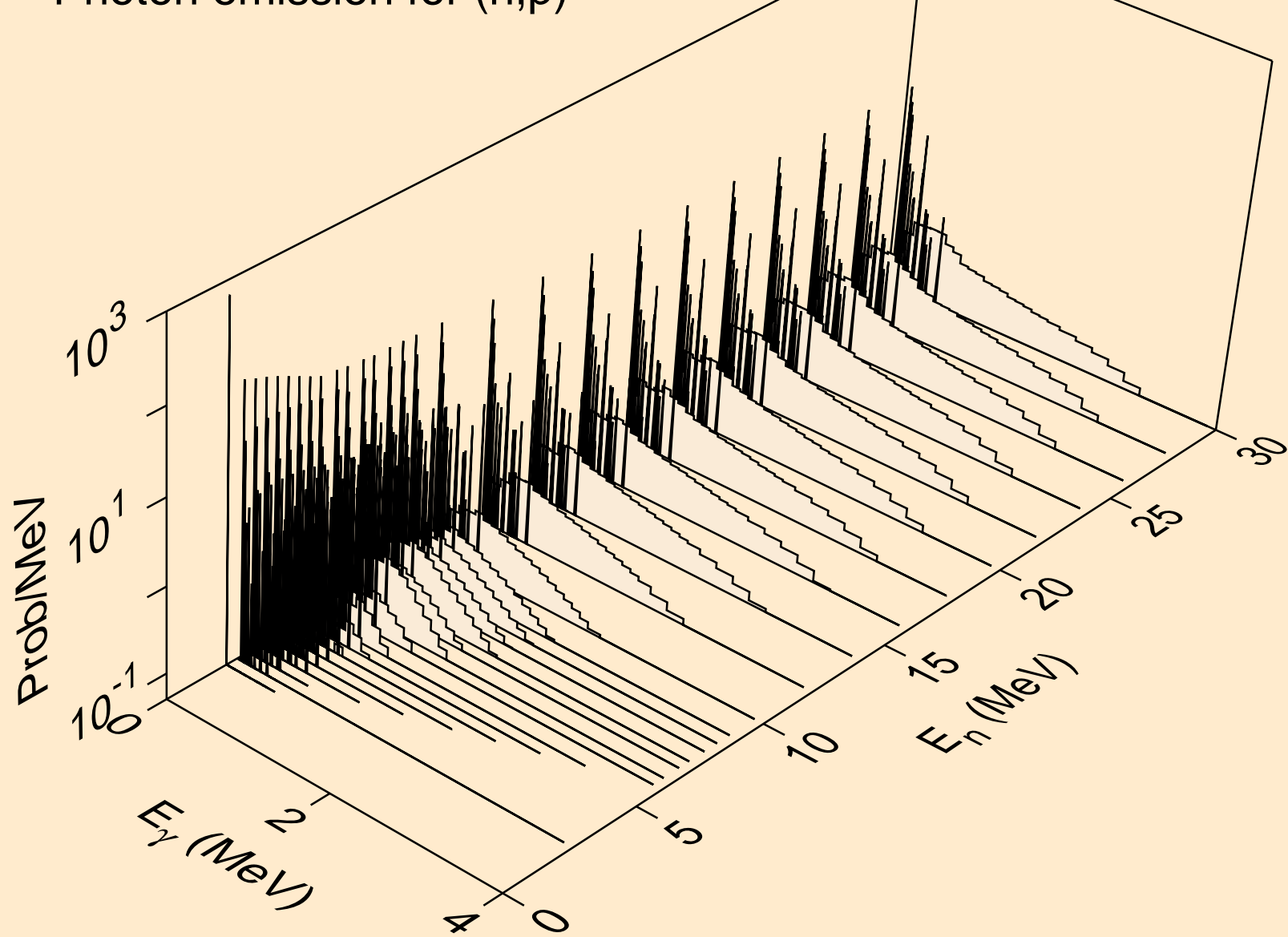


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Photon emission for (n,gma)

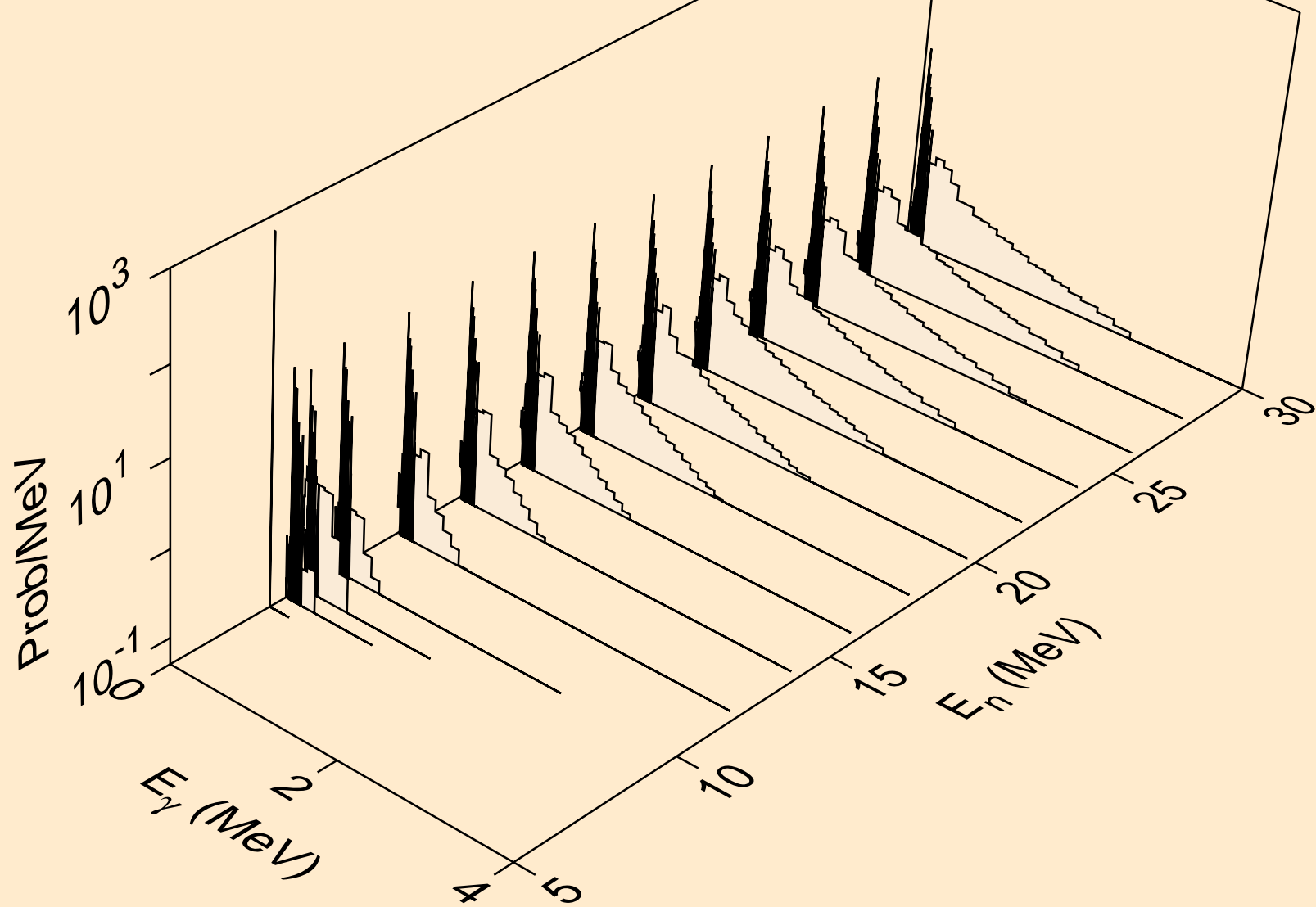




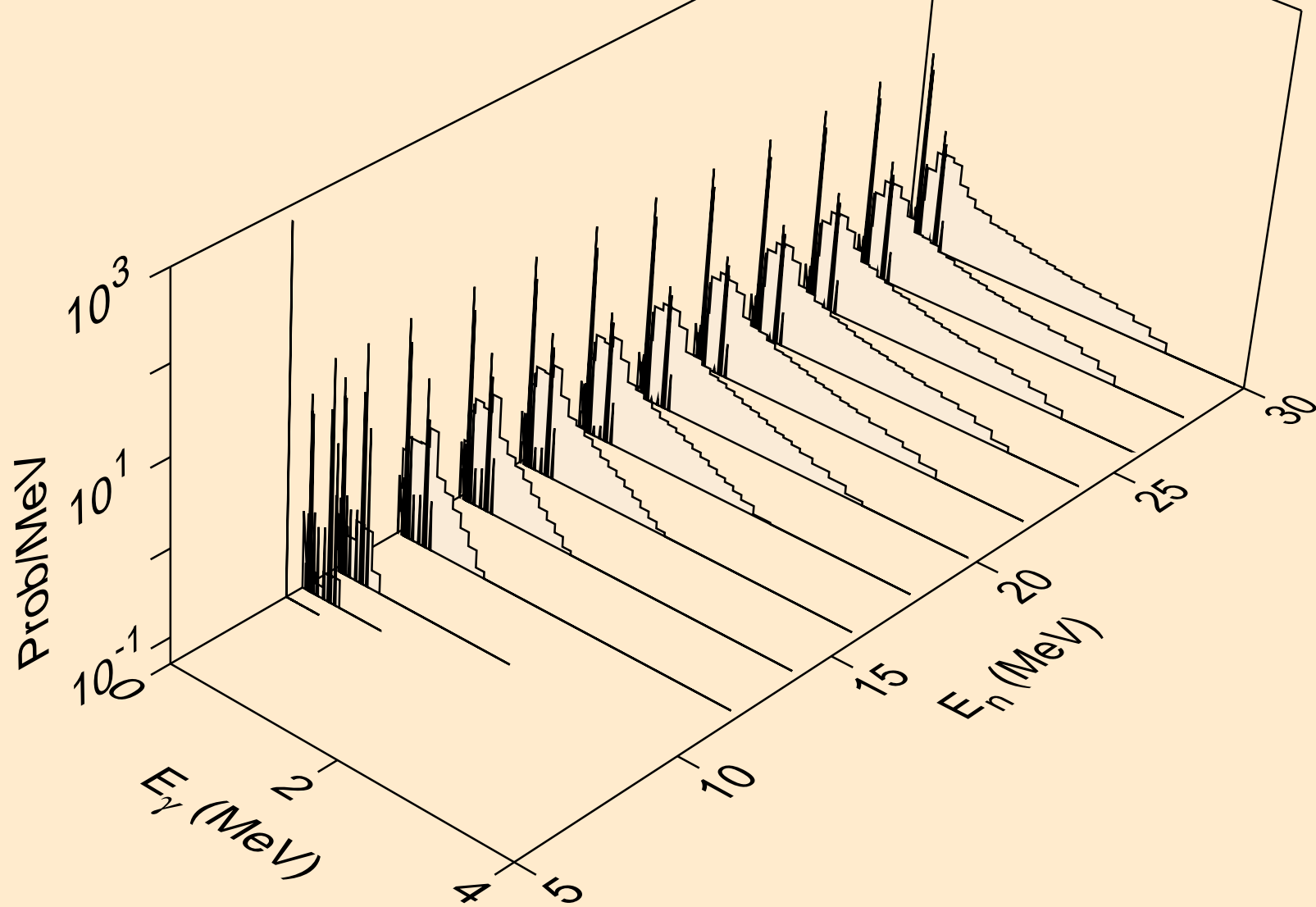
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Photon emission for (n,p)



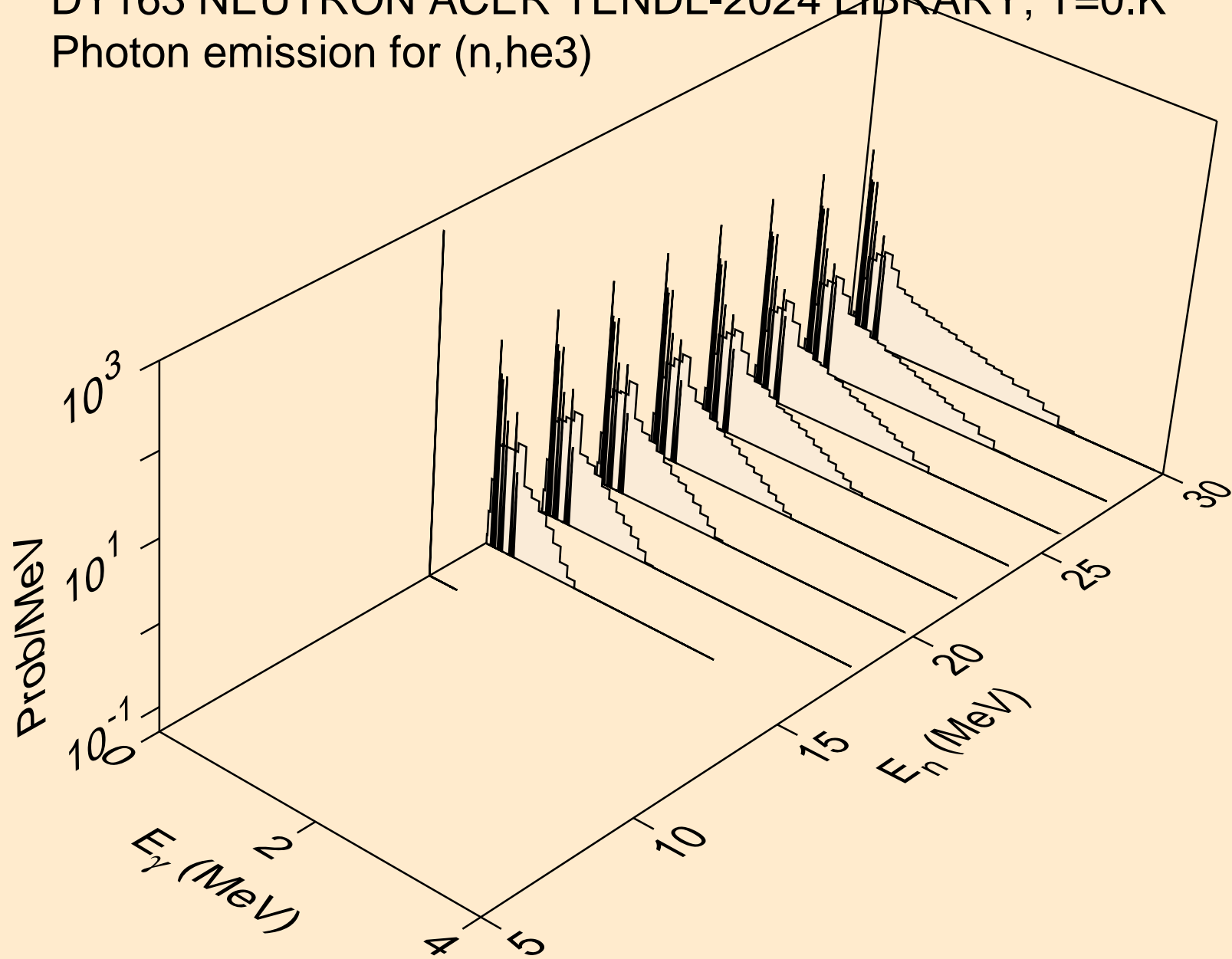
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Photon emission for (n,d)



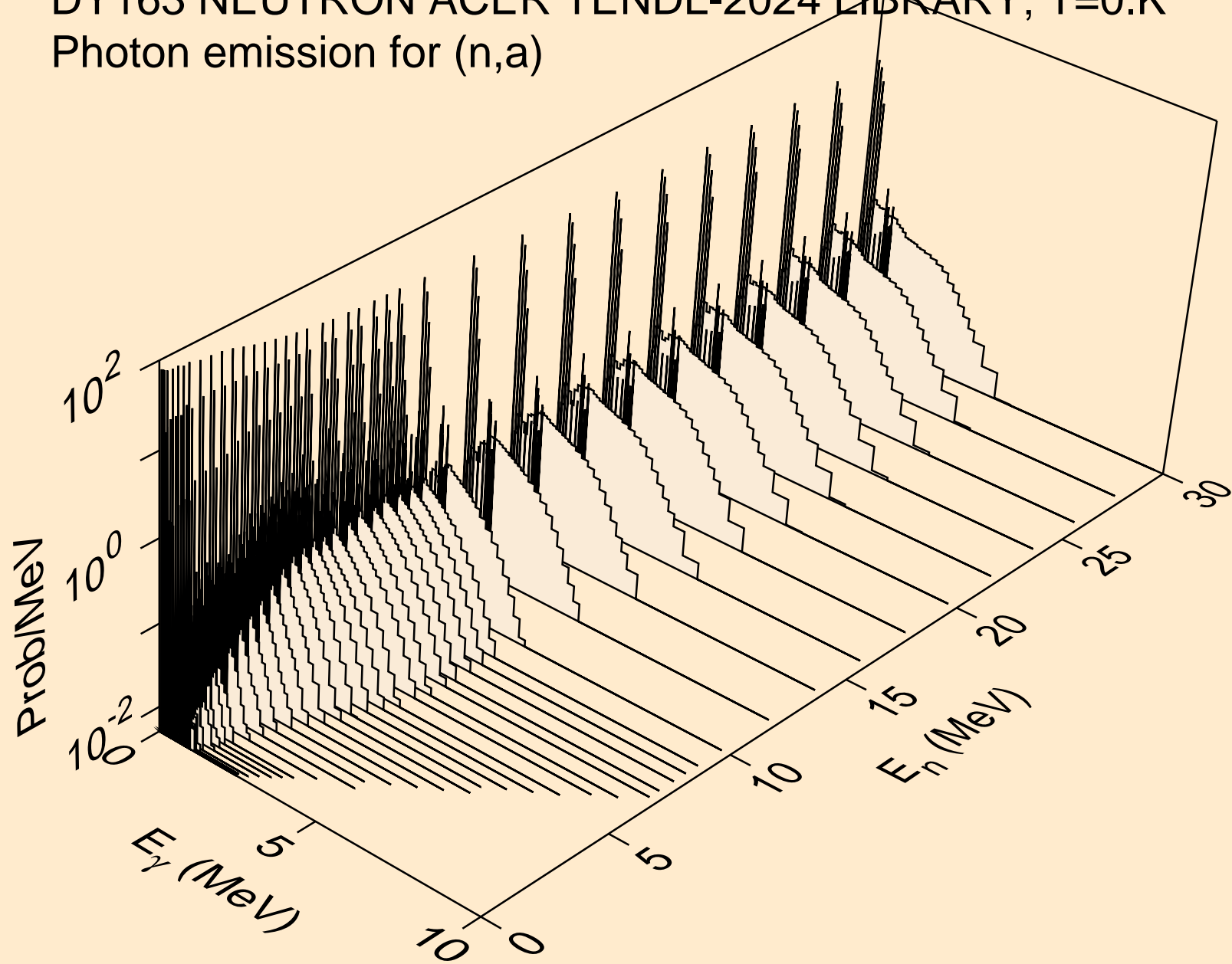
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Photon emission for (n,t)



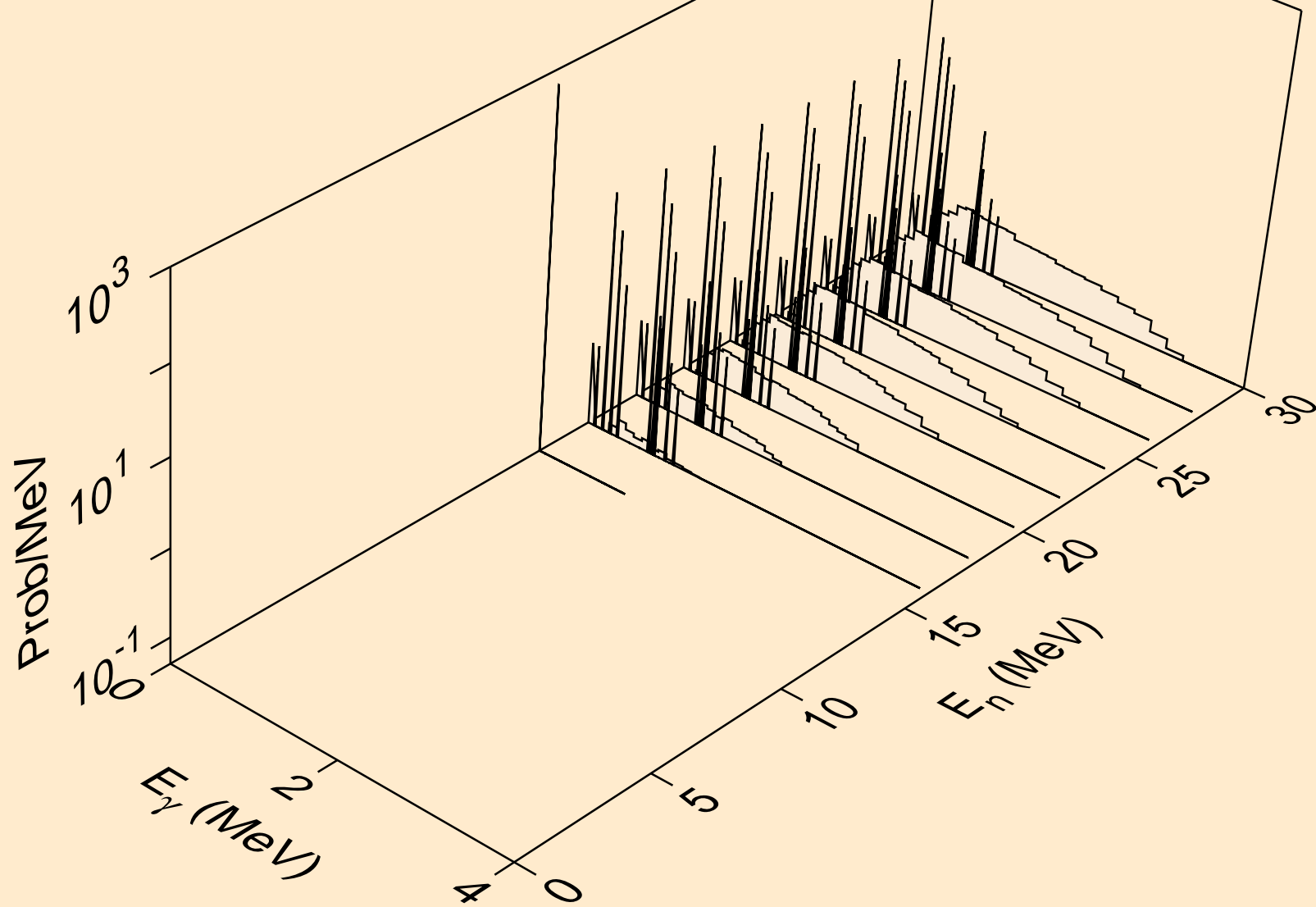
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Photon emission for (n,he3)



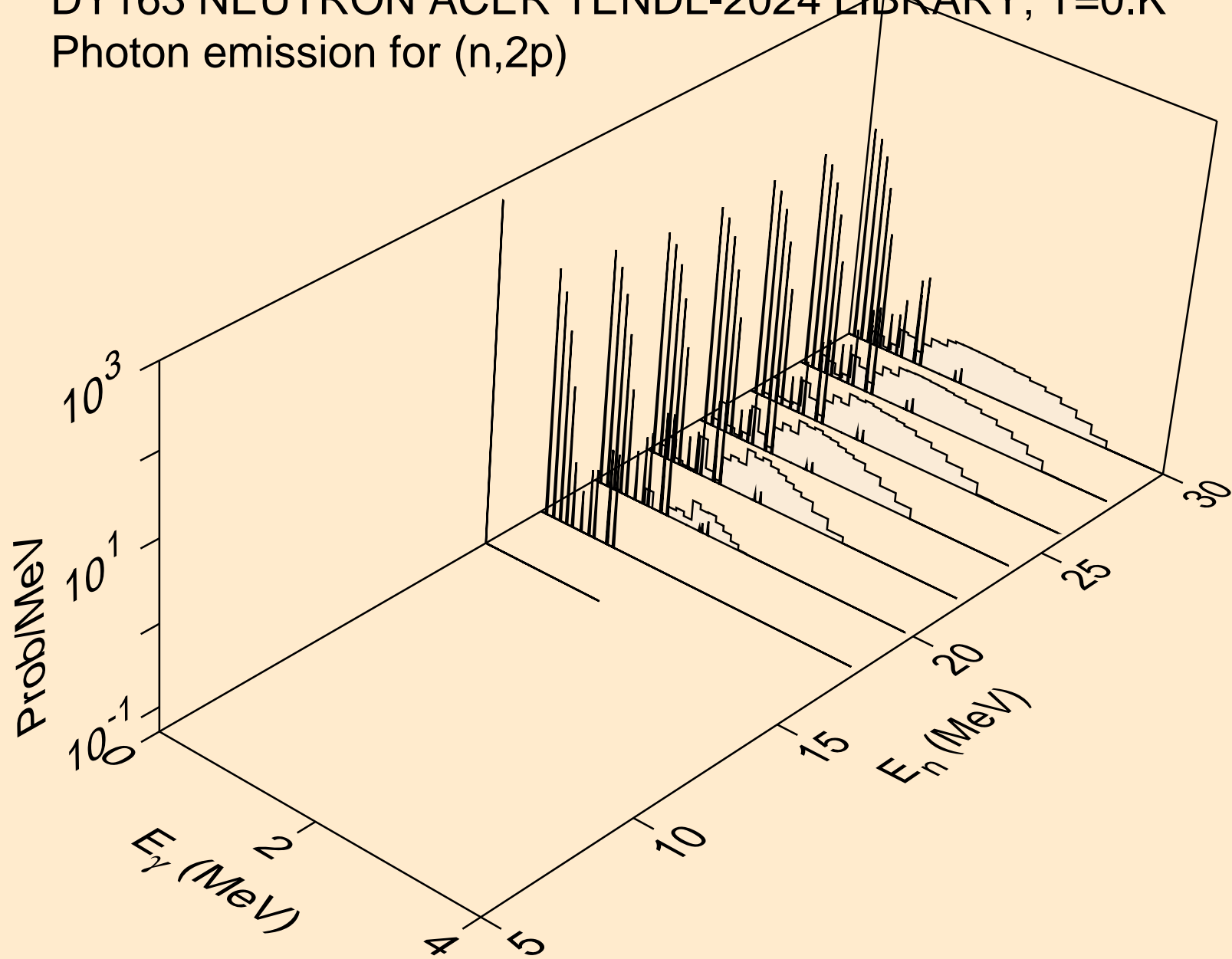
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Photon emission for (n,a)



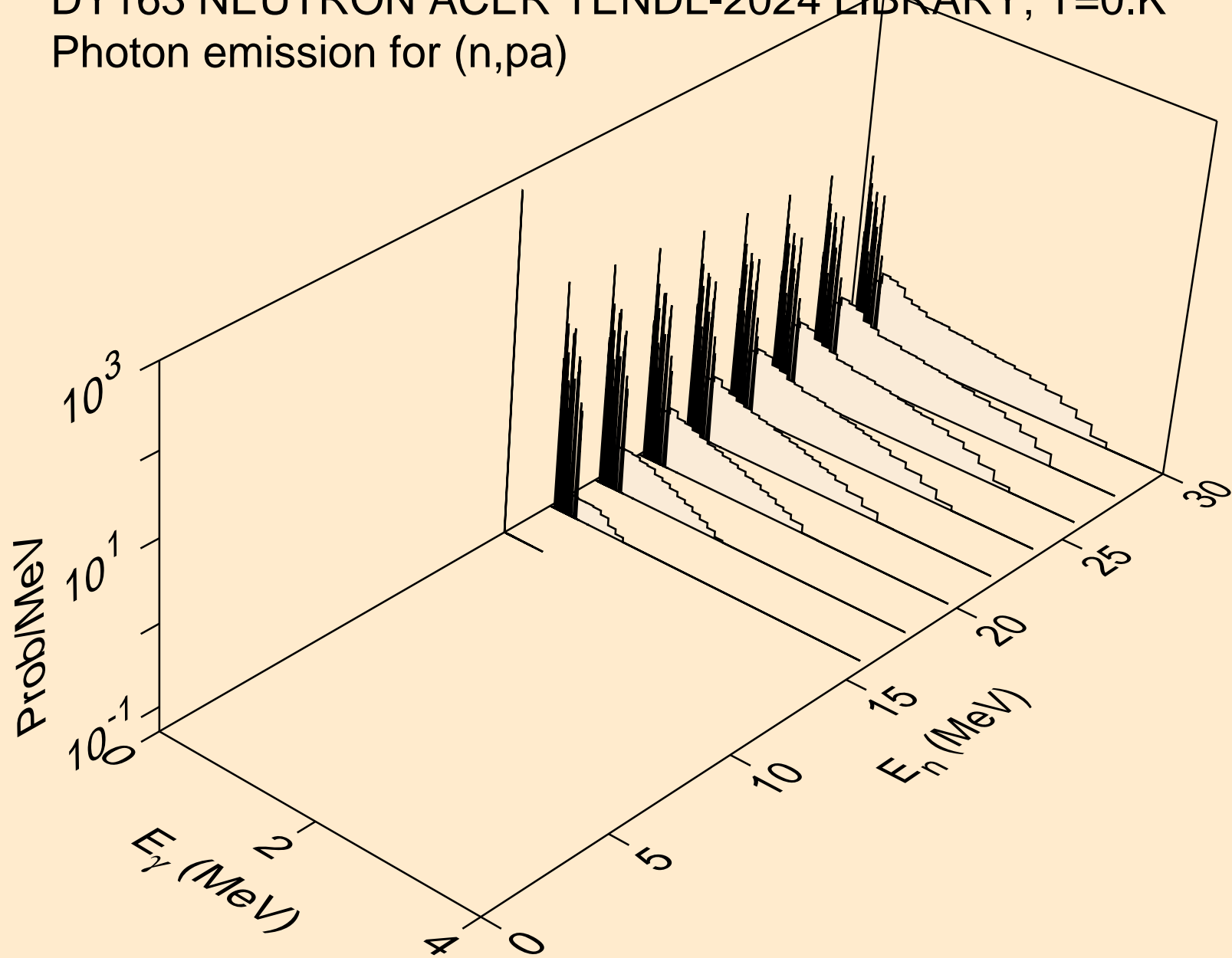
DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2a)



DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2p)

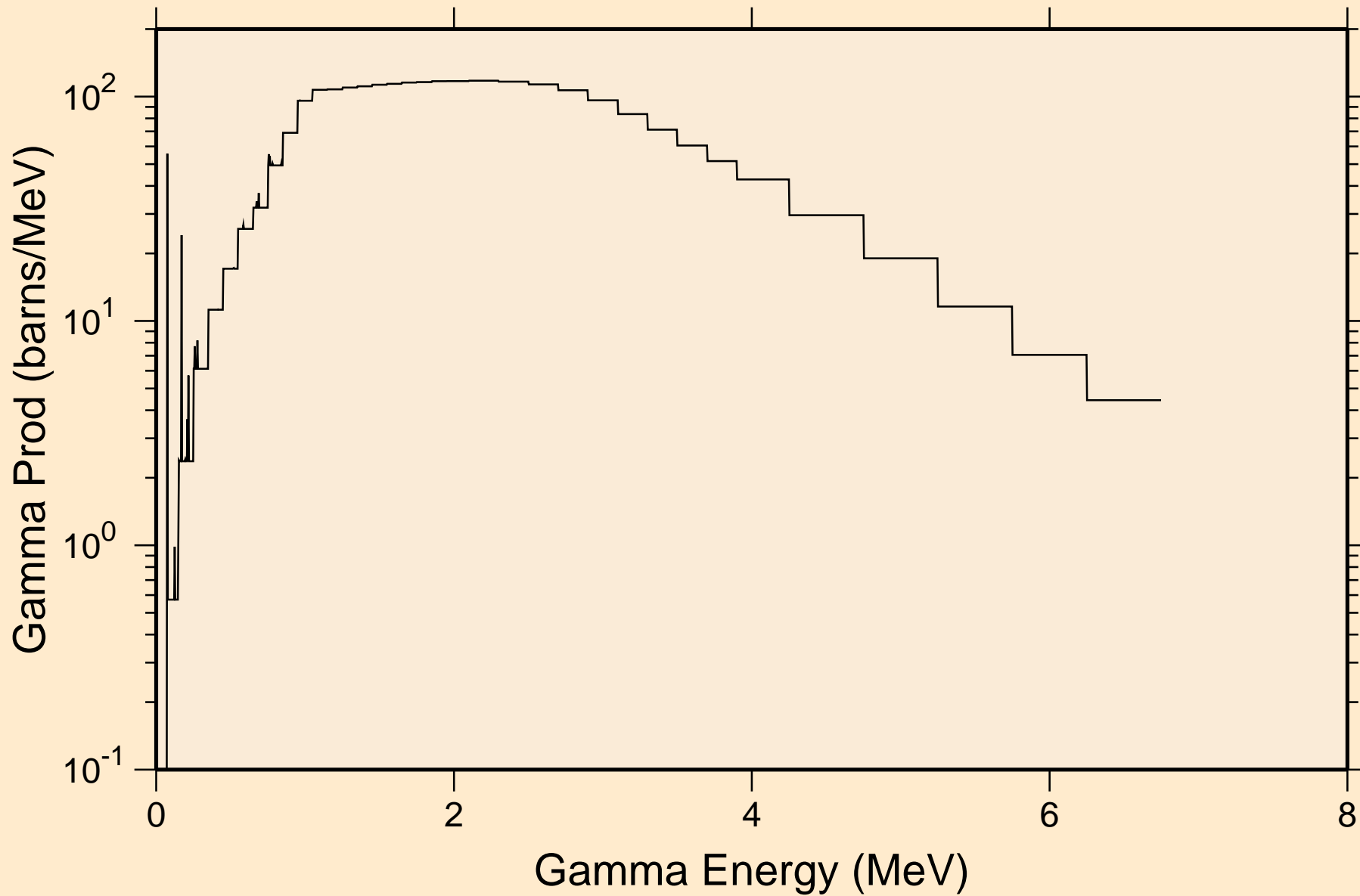


DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p)

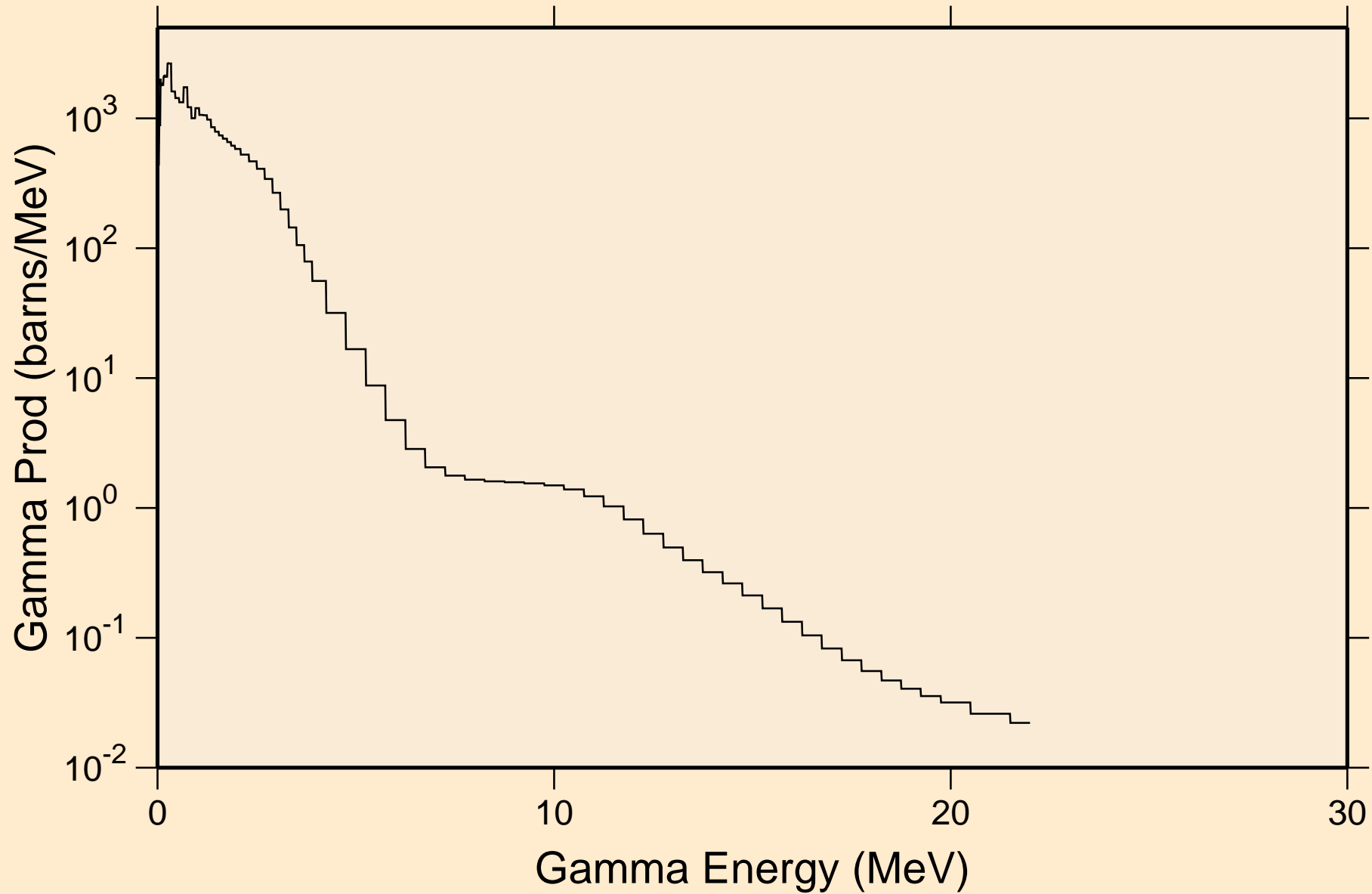




DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
thermal capture photon spectrum

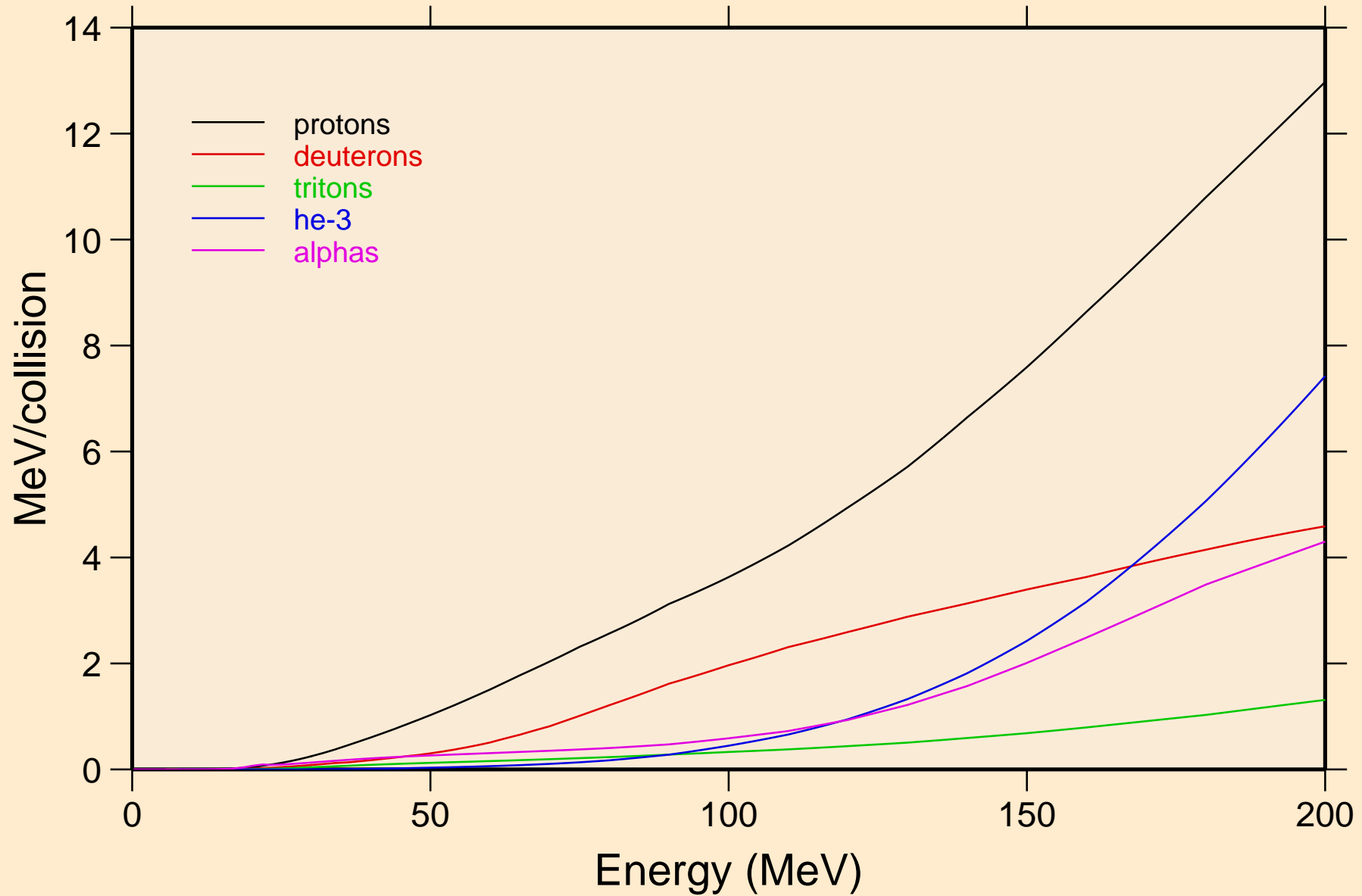


DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
14 MeV photon spectrum

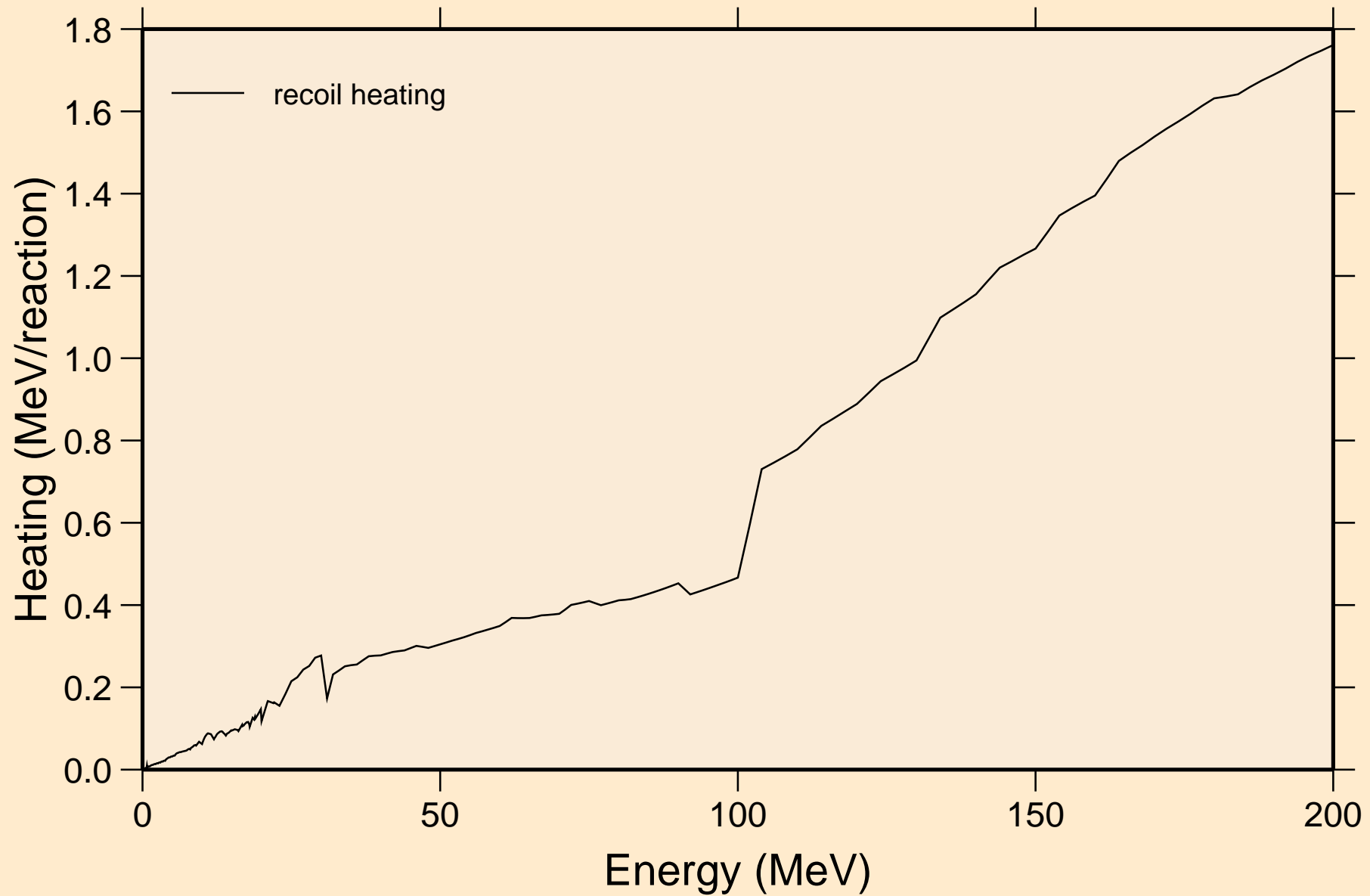


# DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Particle heating contributions

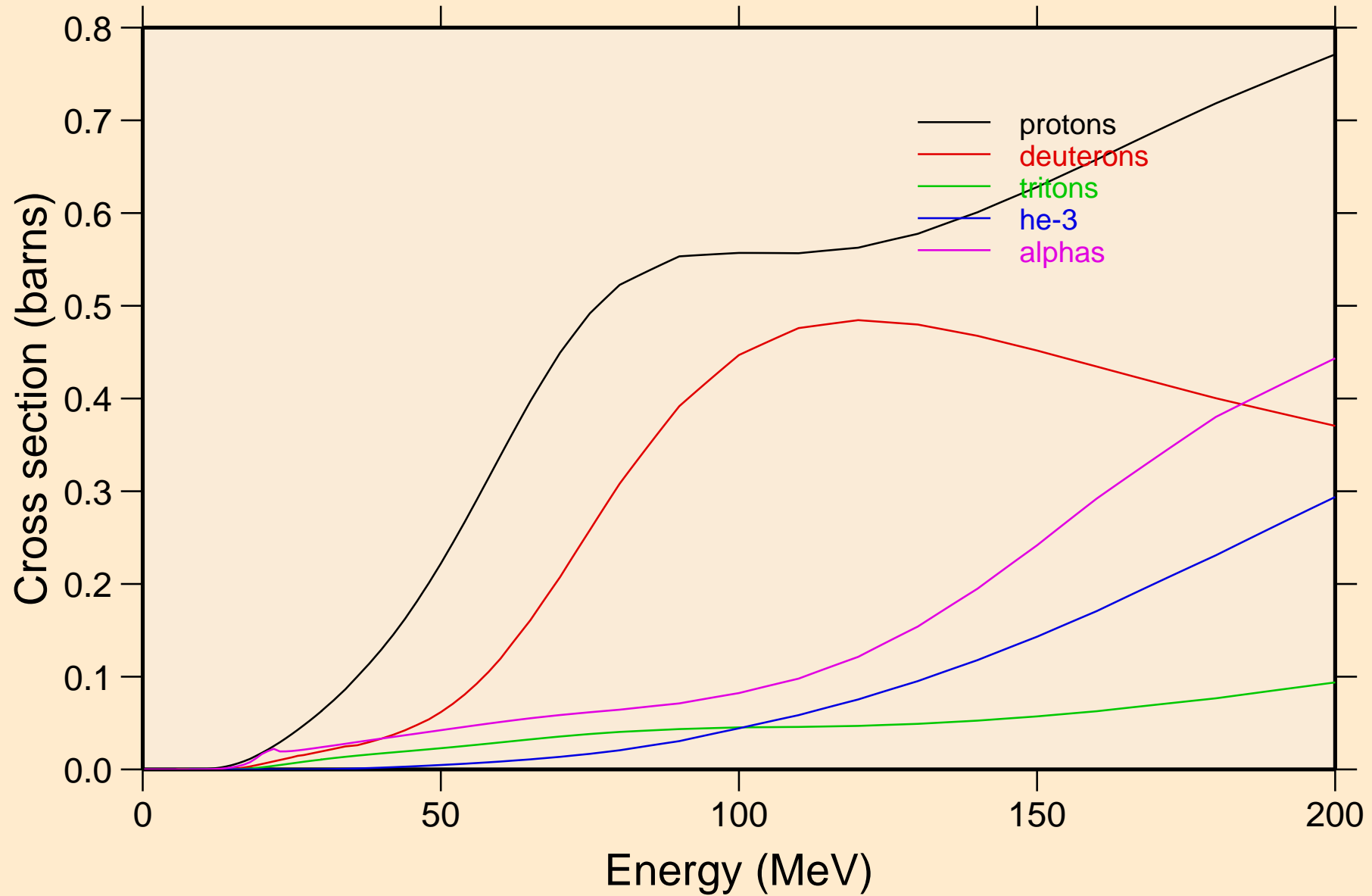


DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Recoil Heating

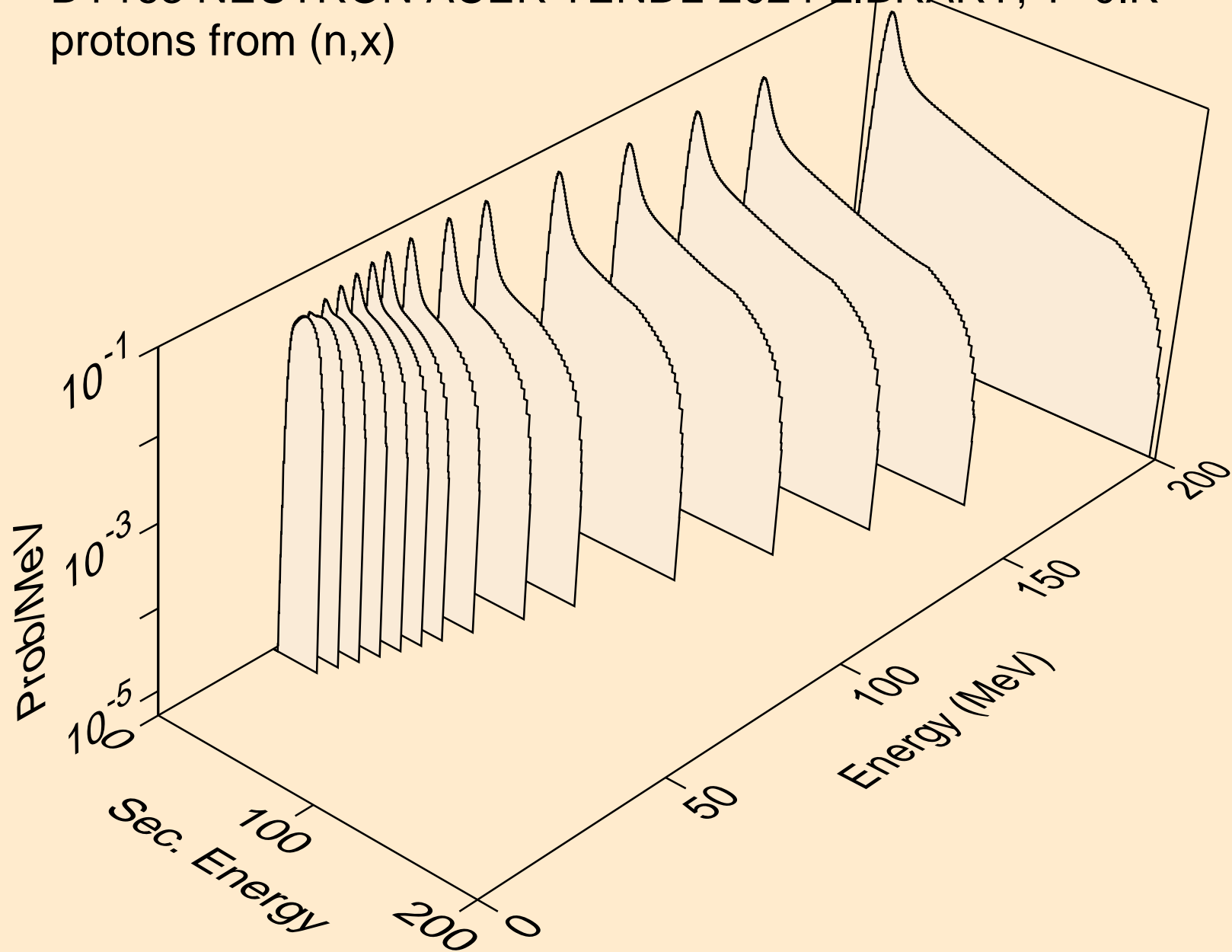


# DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

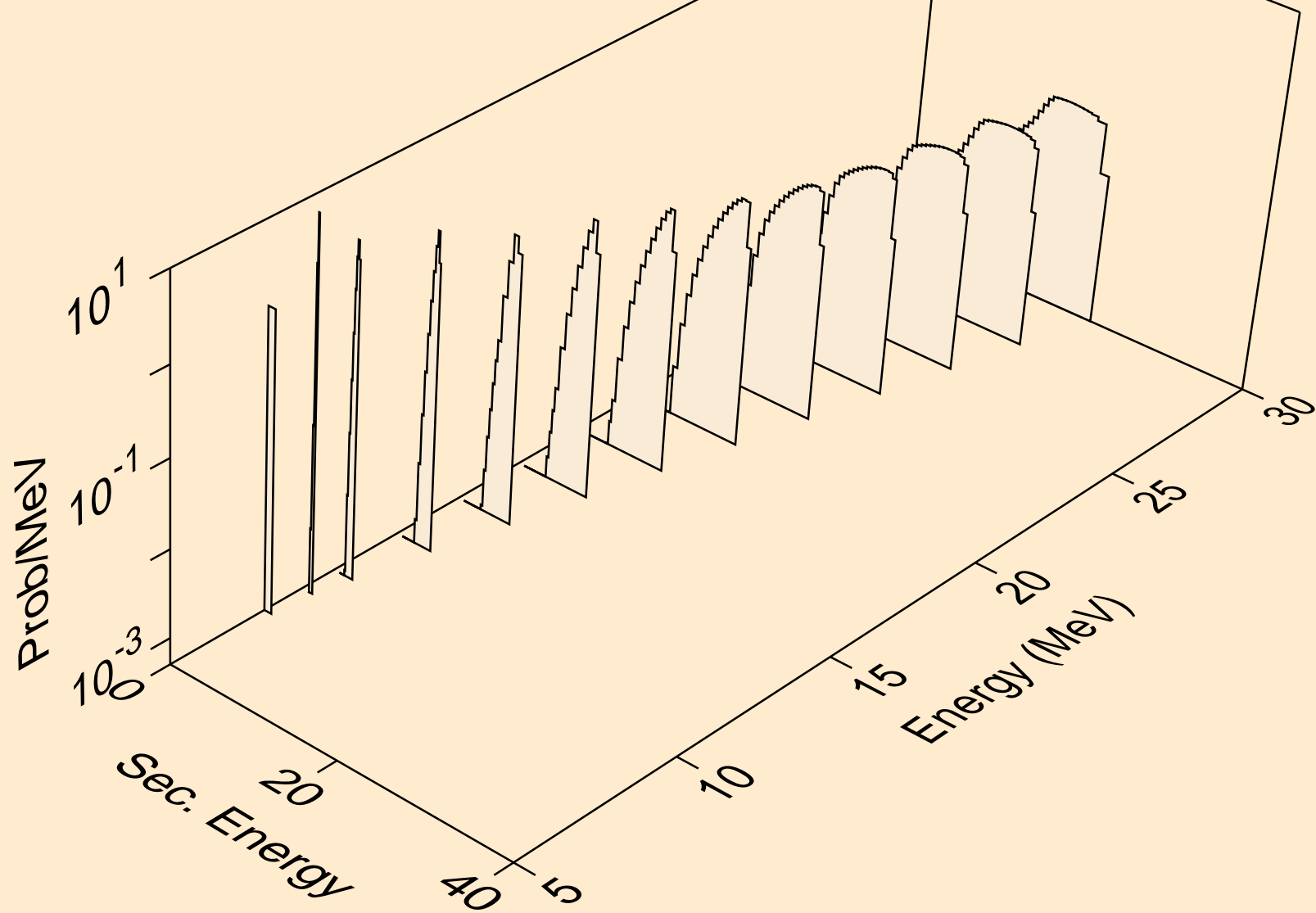
## Particle production cross sections



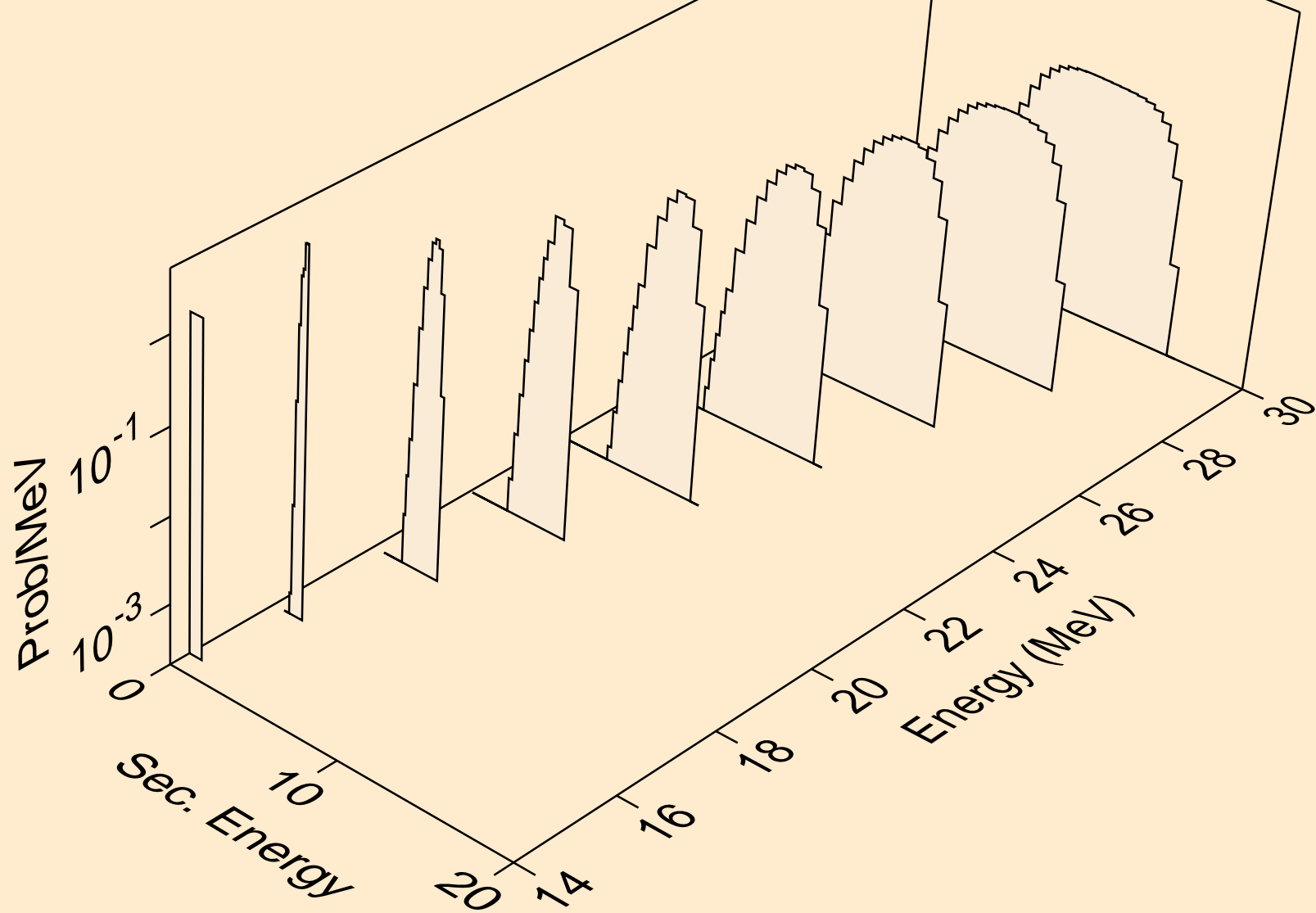
DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,x)



DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,n\*)p

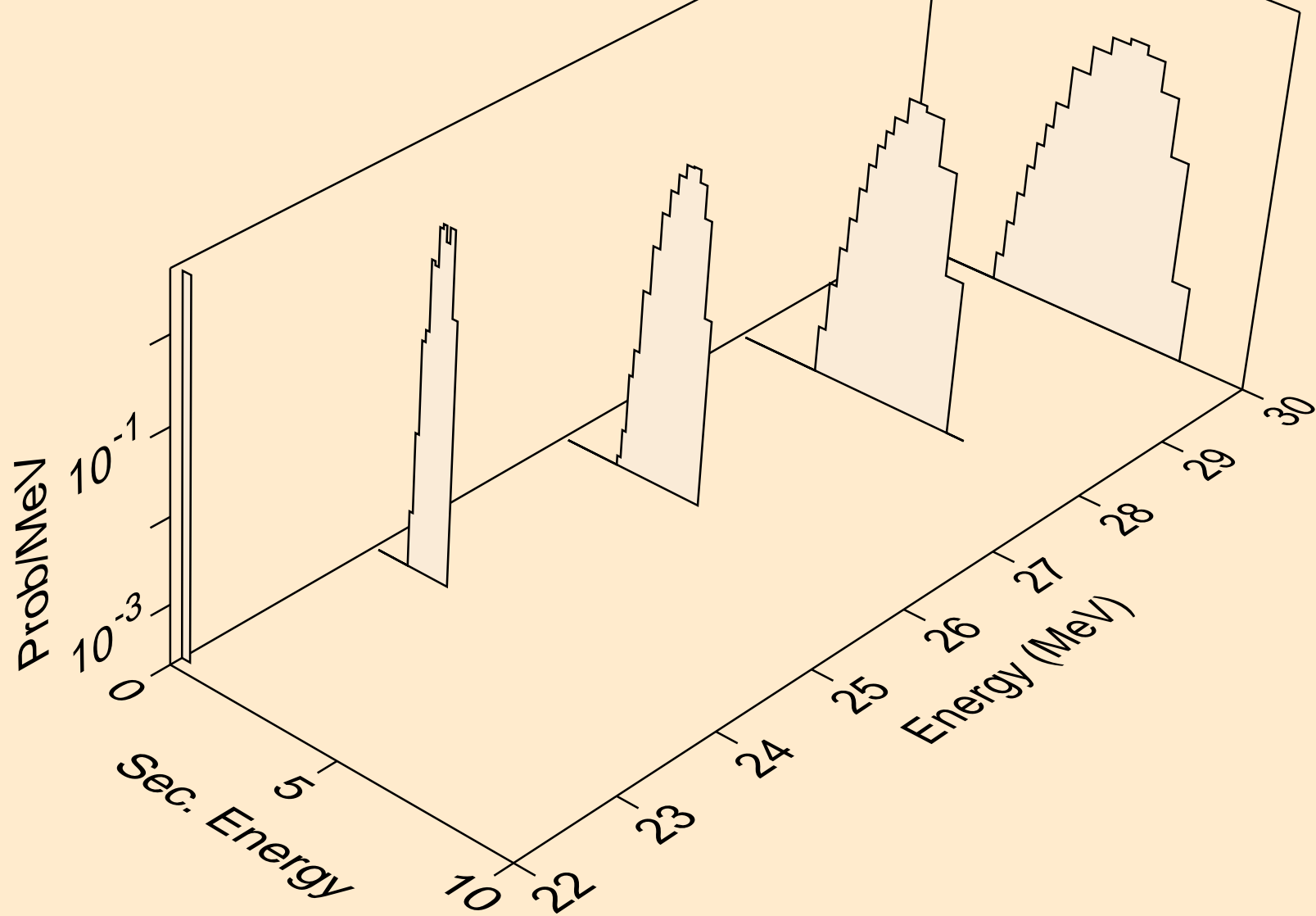


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protons from (n,2np)

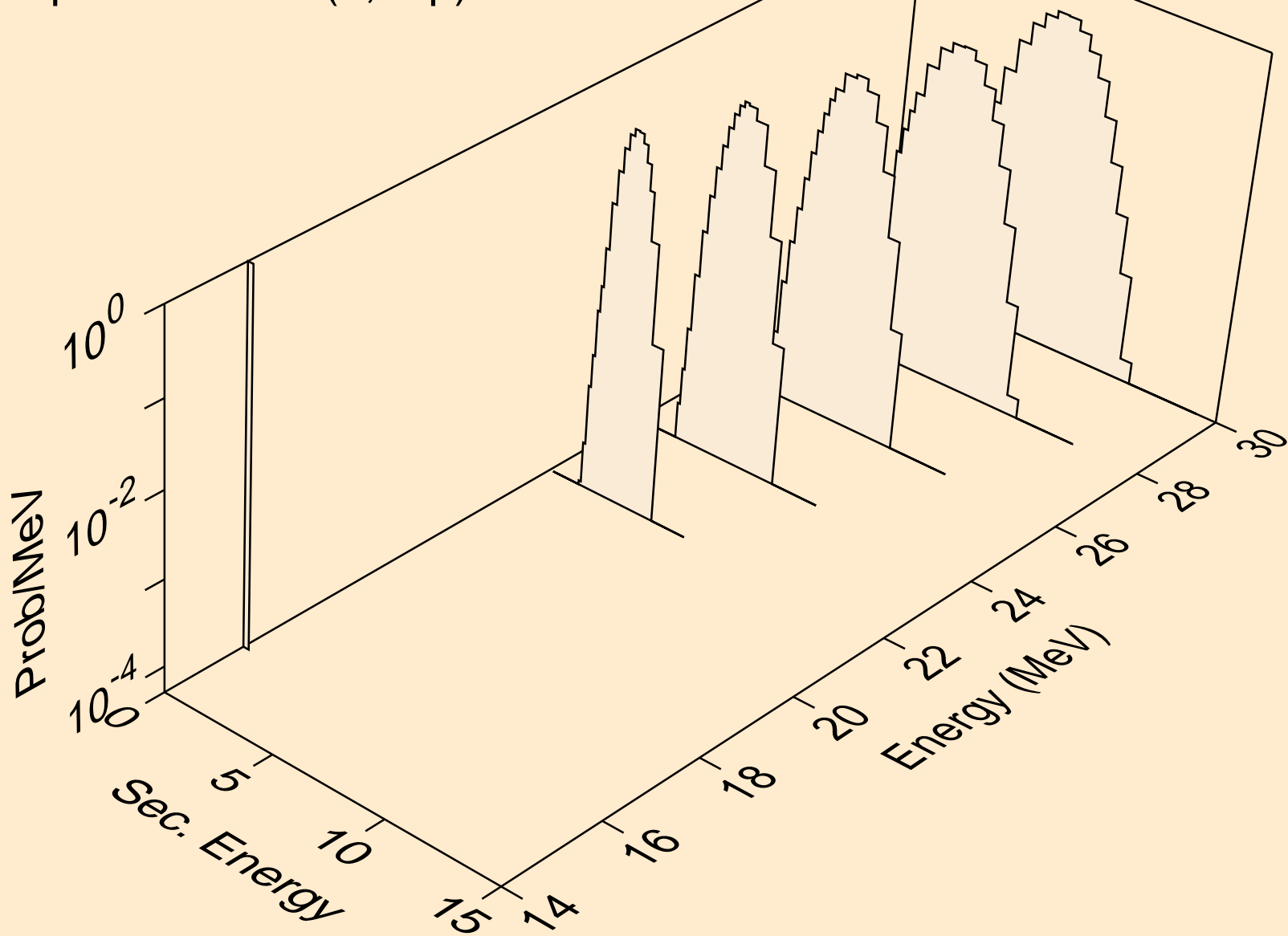




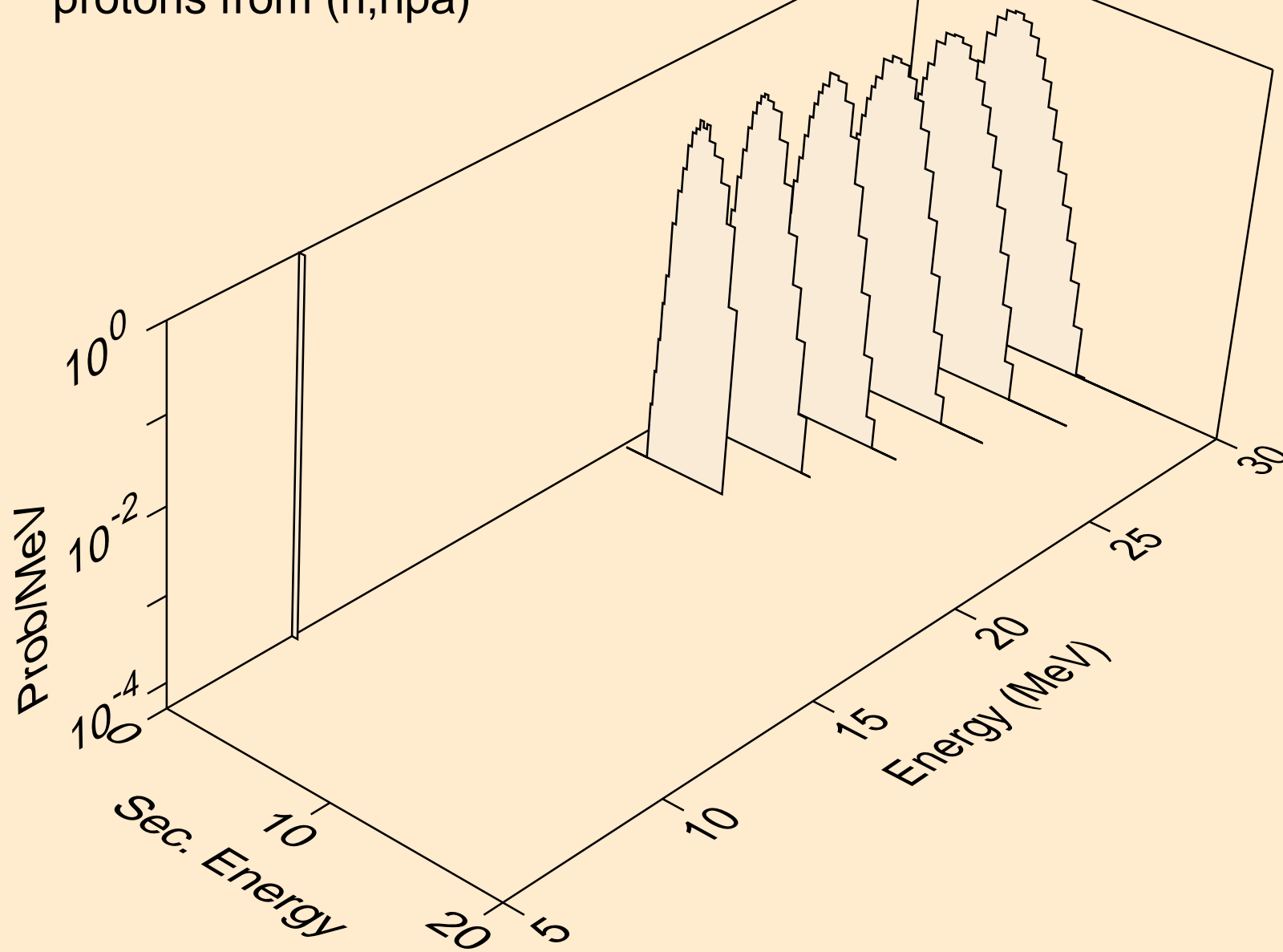
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protons from (n,3np)



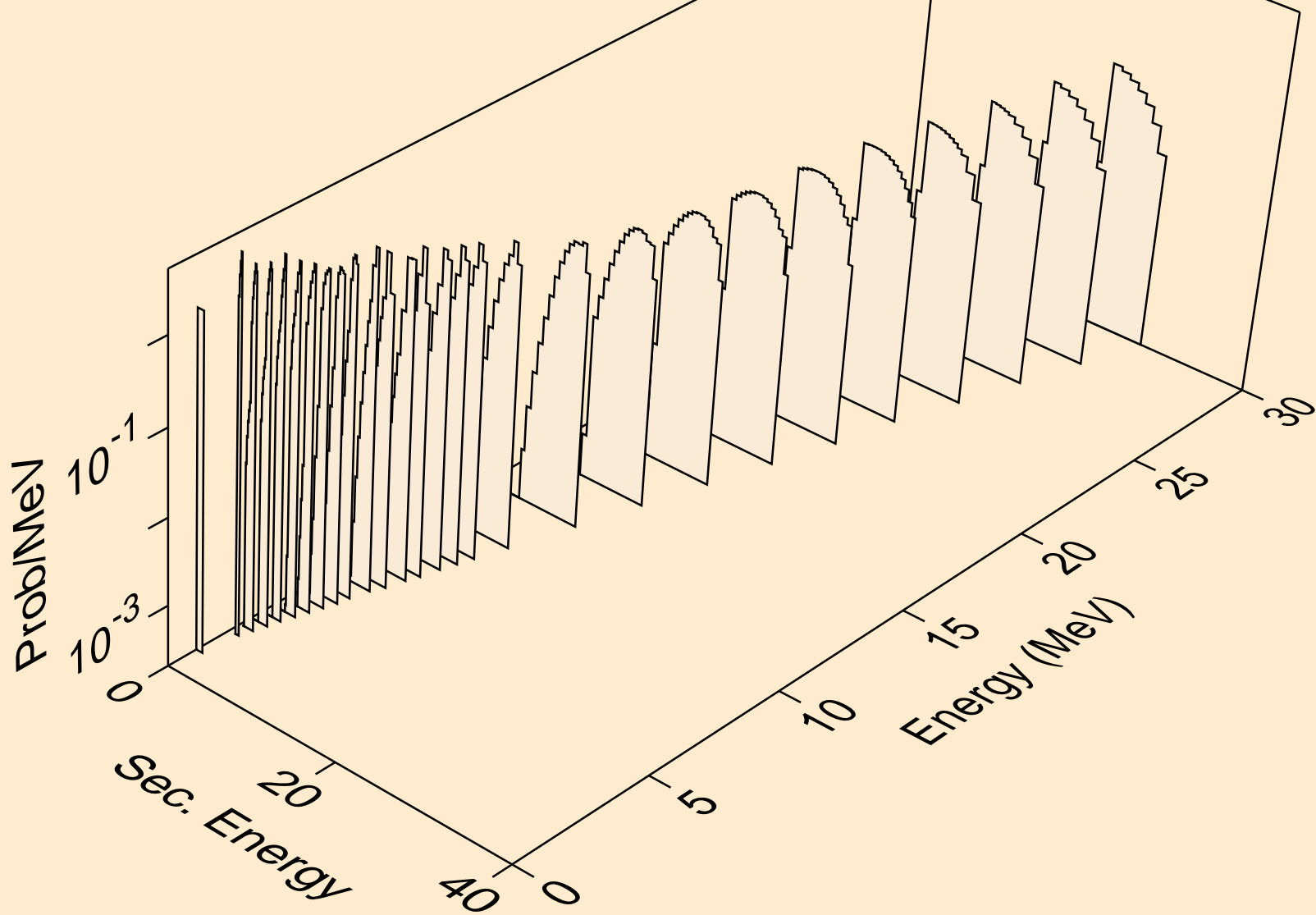
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protons from (n,n2p)



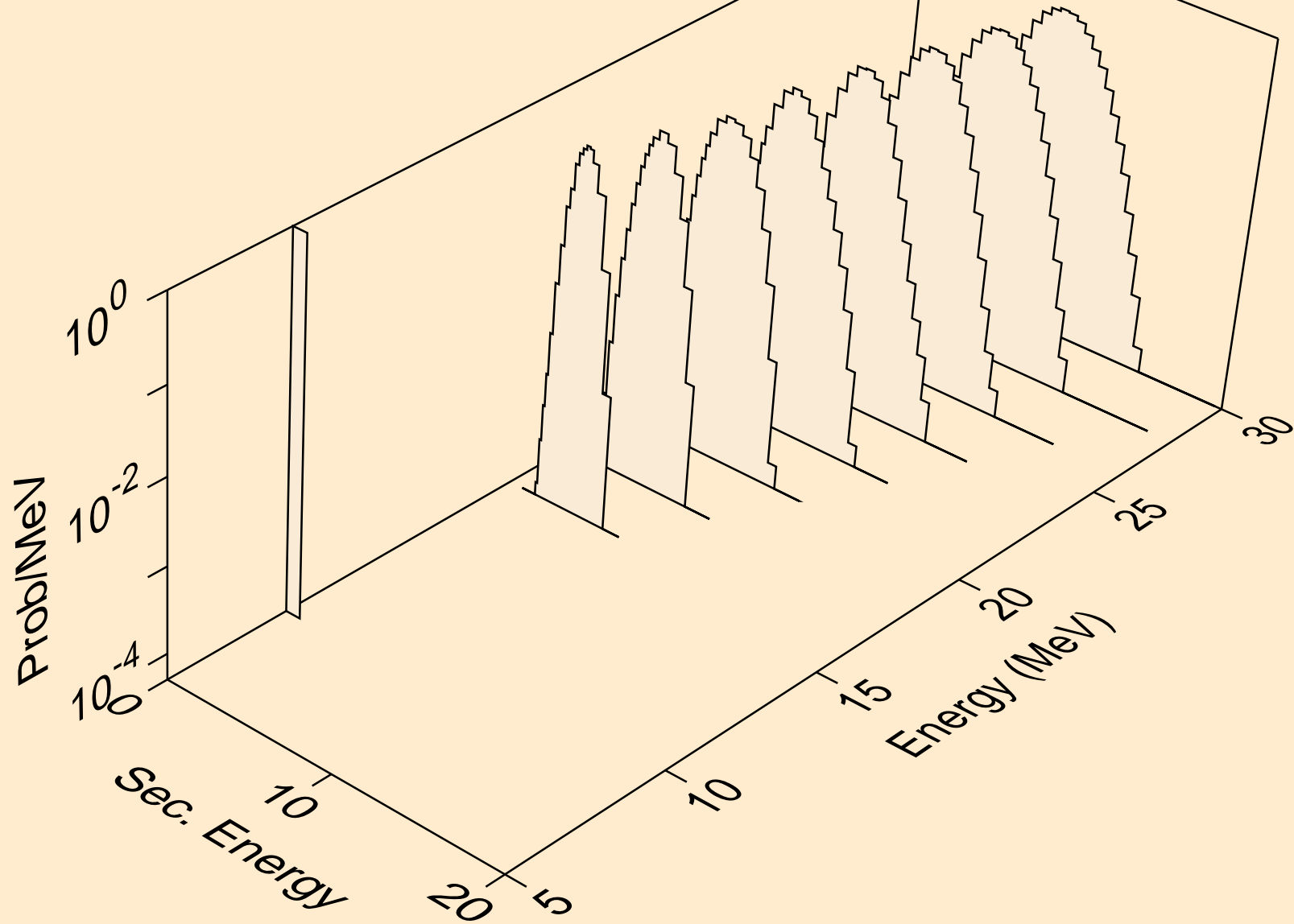
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protons from (n,npa)



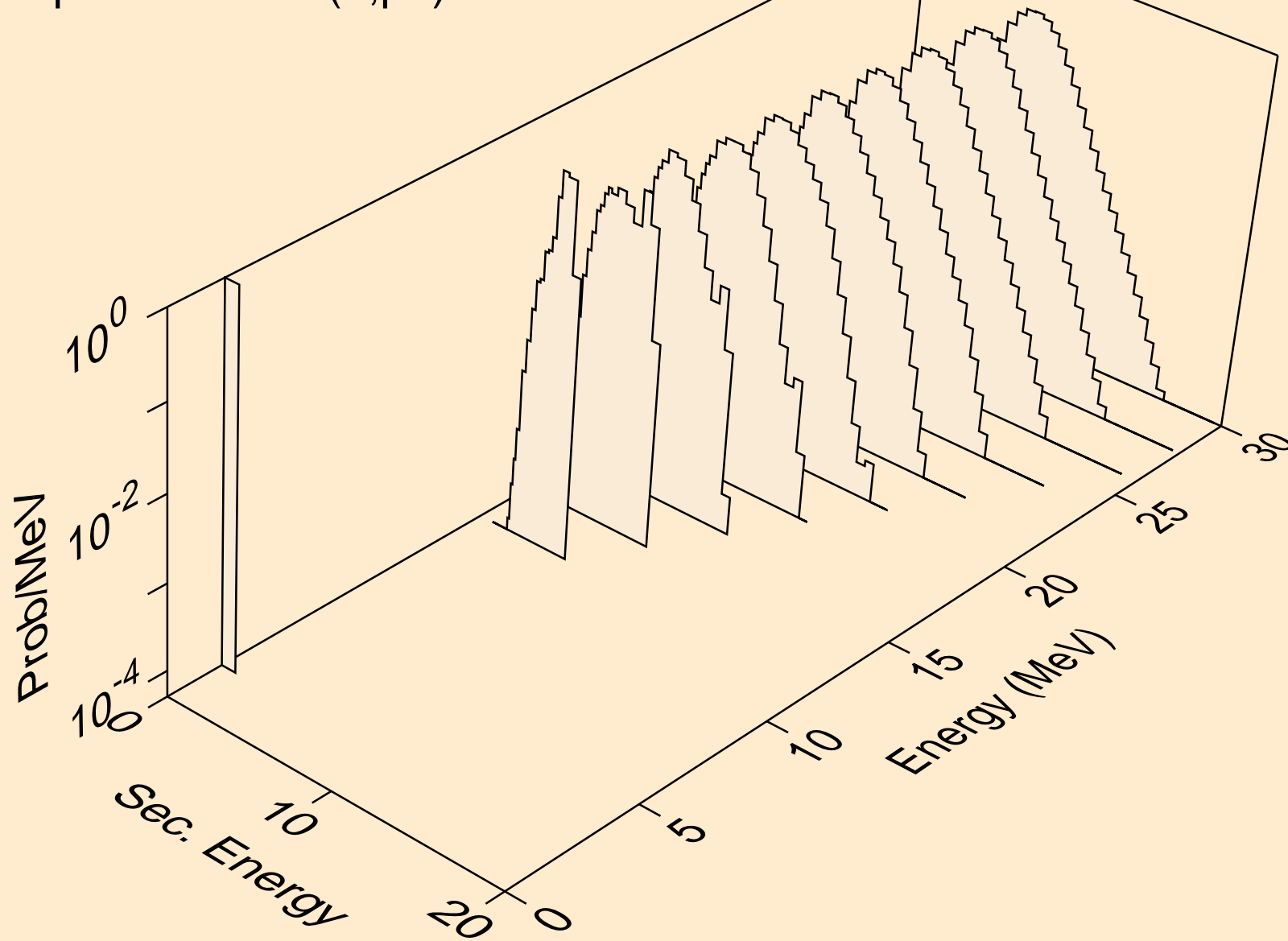
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protons from (n,p)



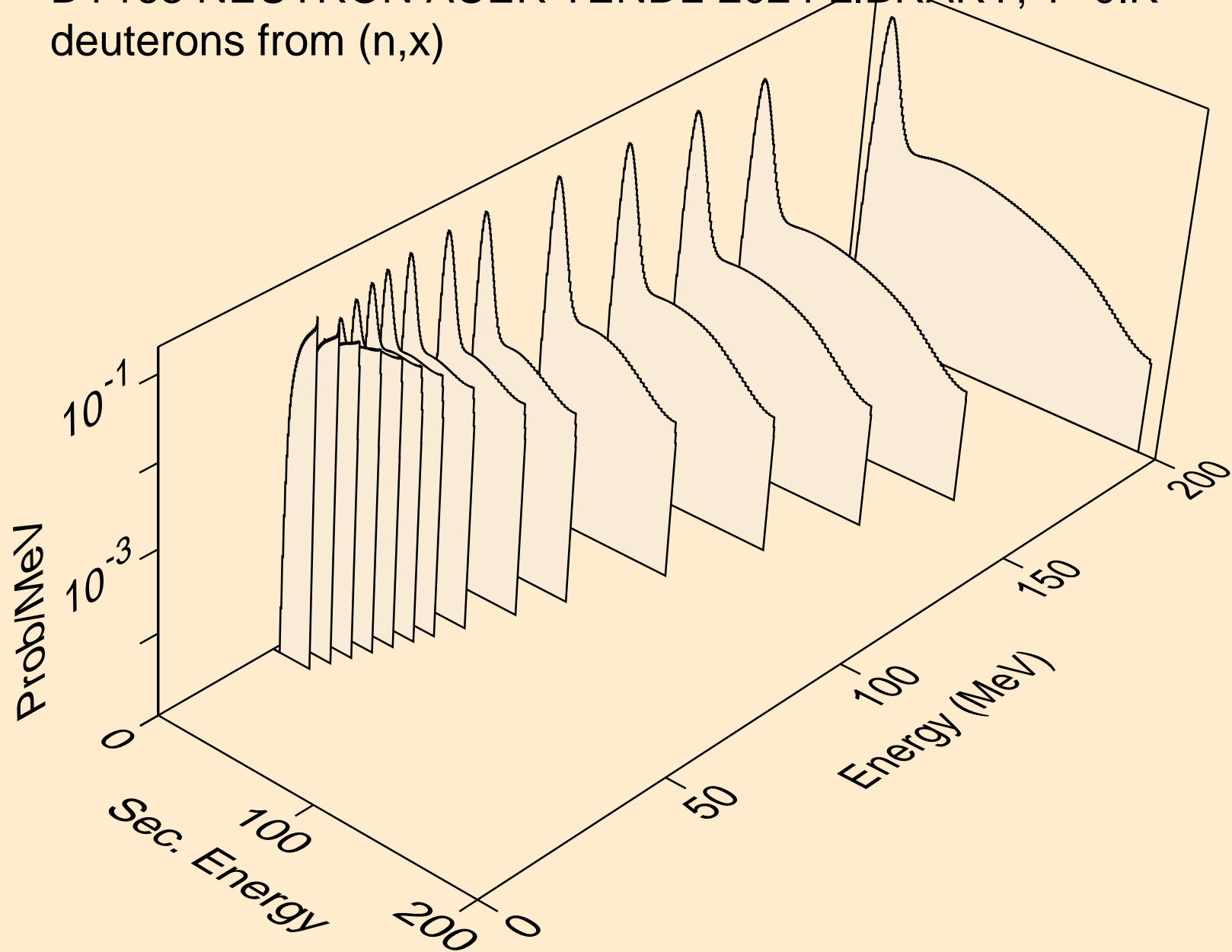
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protons from (n,2p)



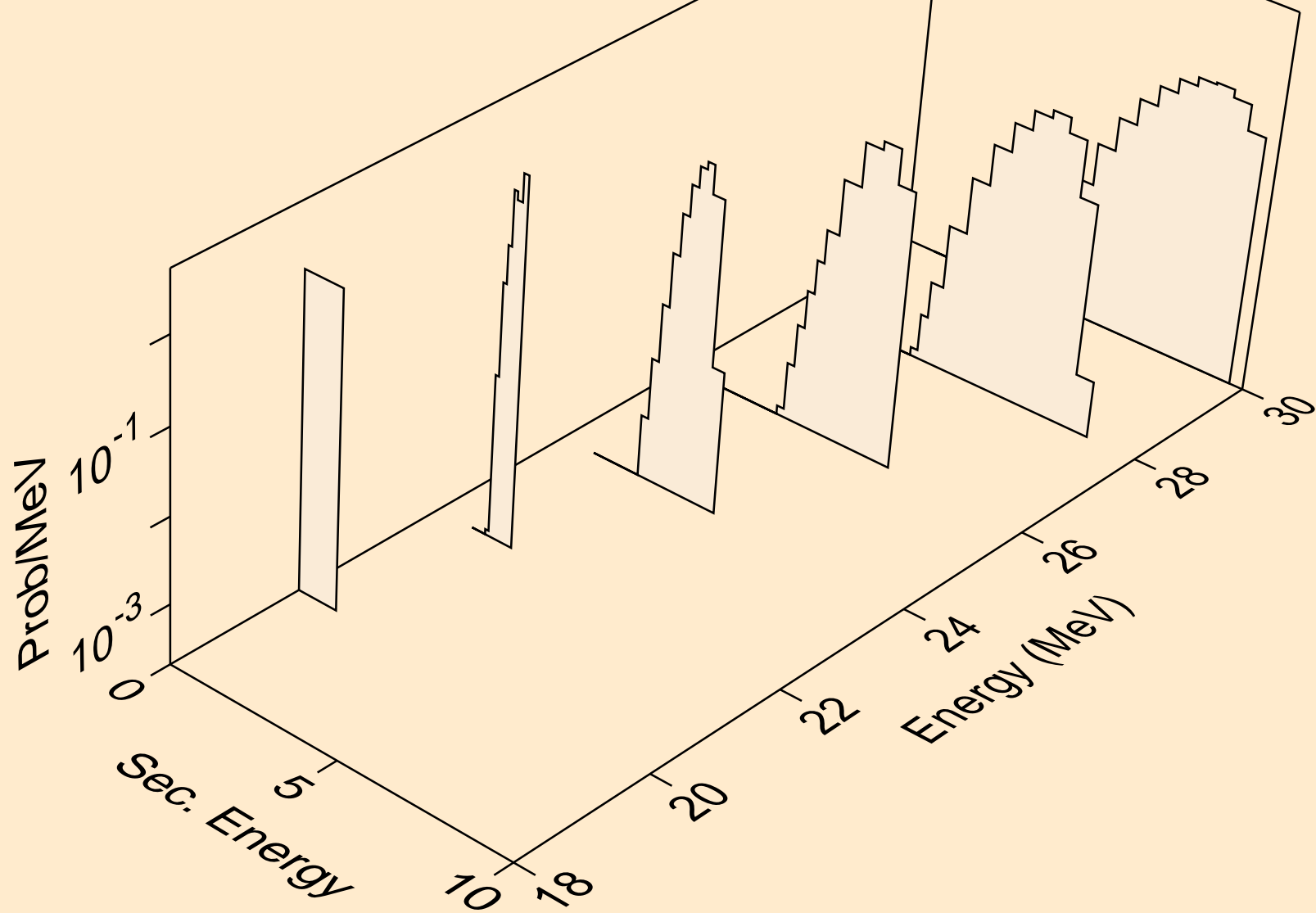
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protons from (n,p)



DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,x)

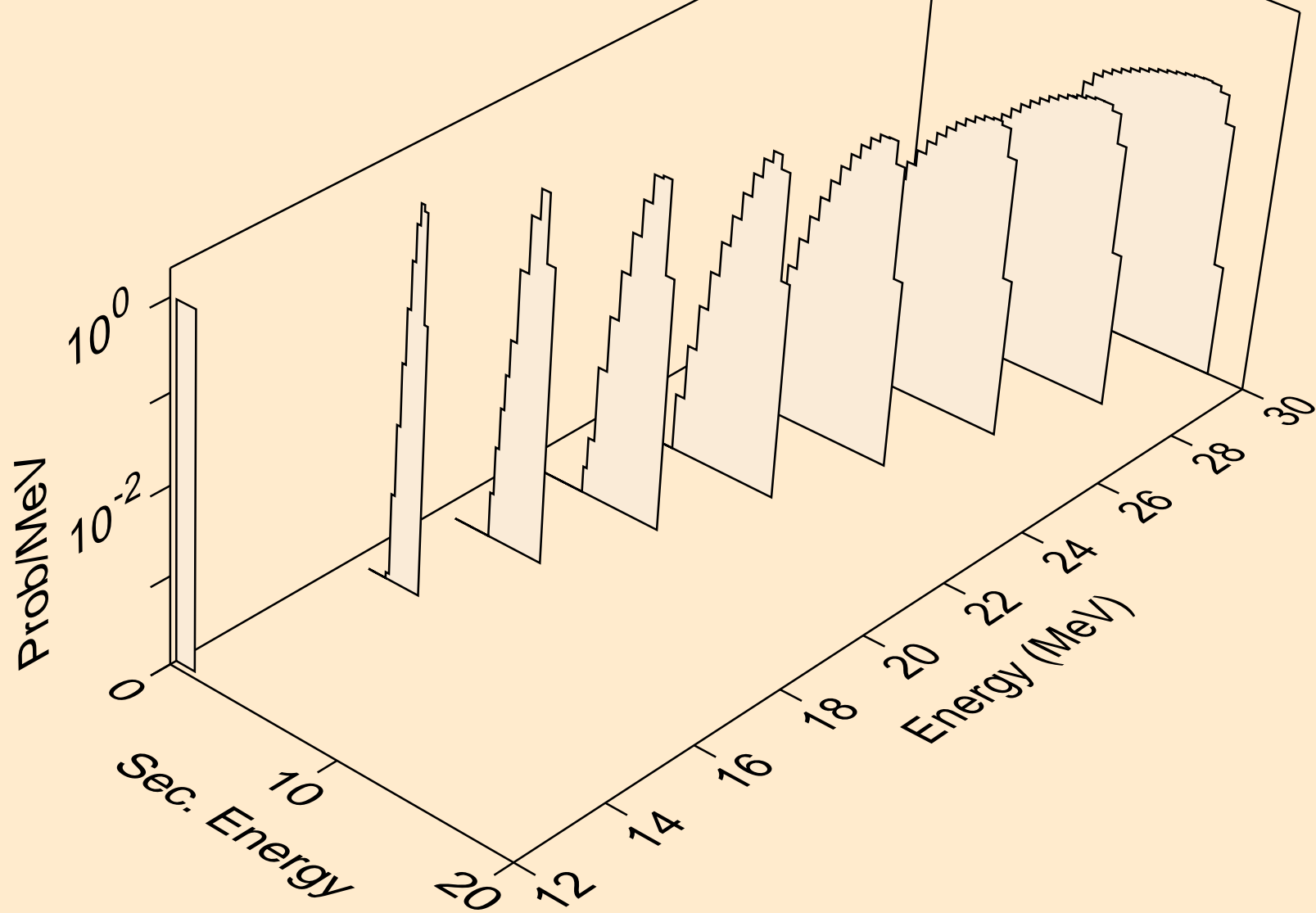


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deuterons from (n,2nd)

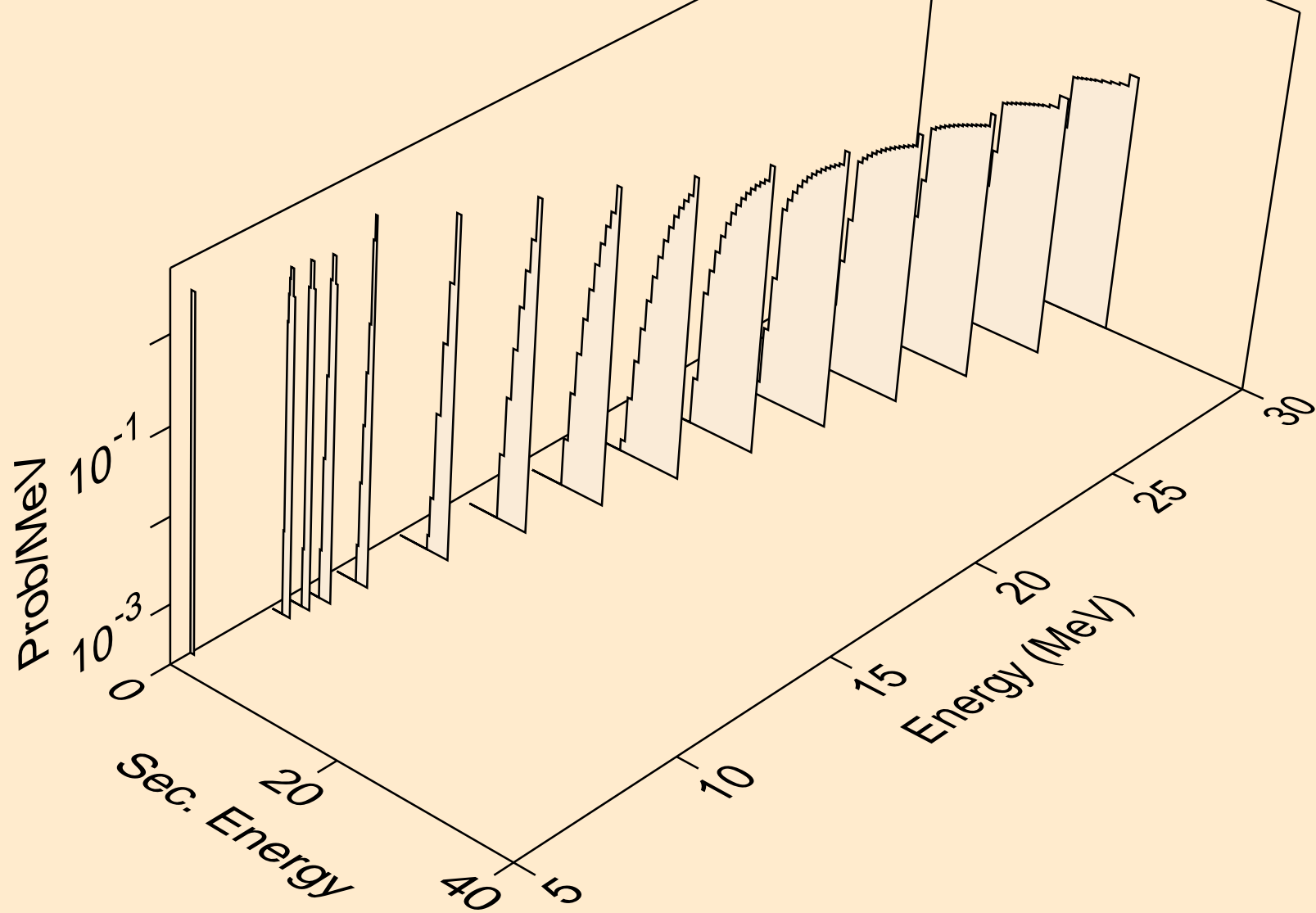




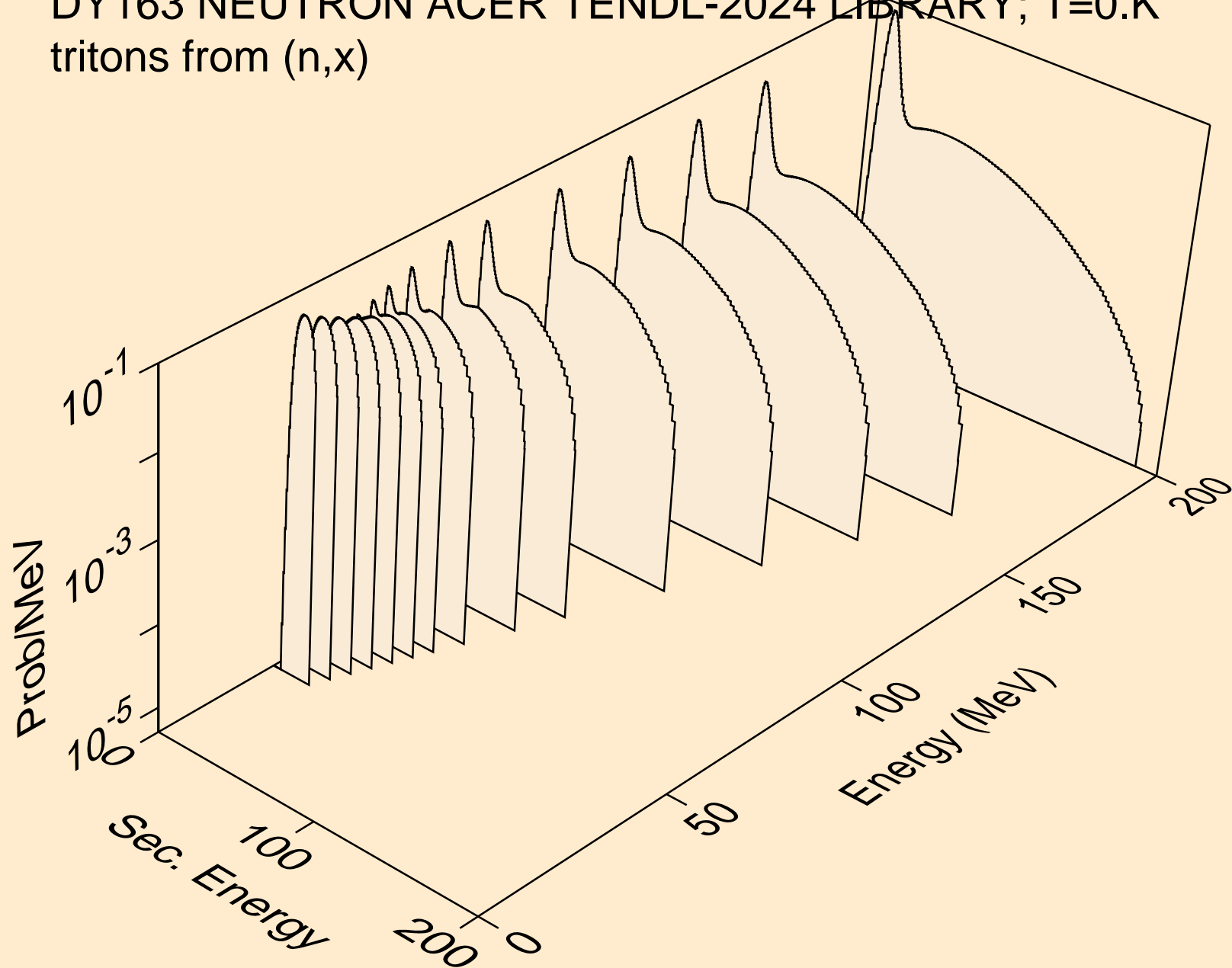
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deuterons from (n,n\*)d



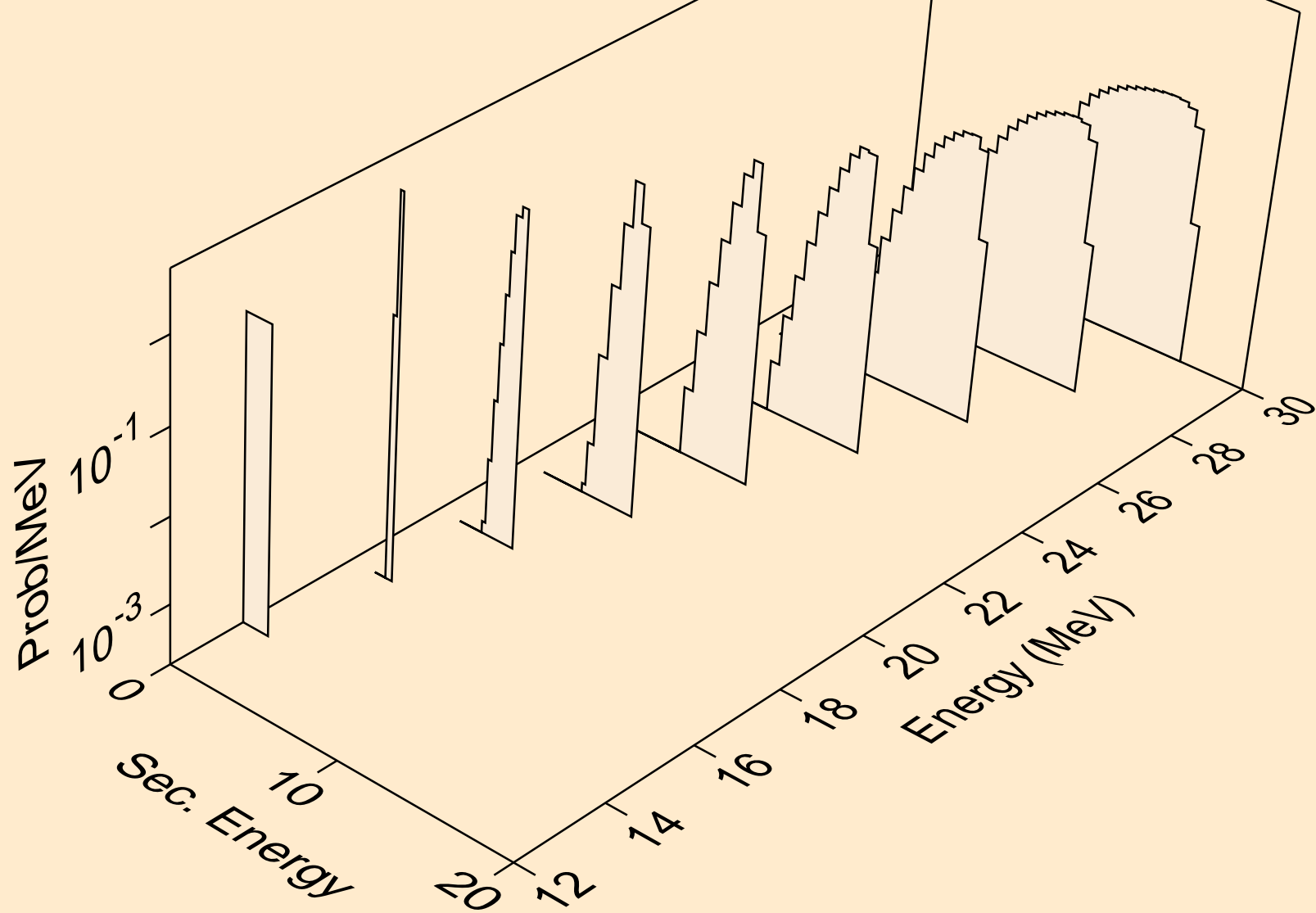
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deuterons from (n,d)



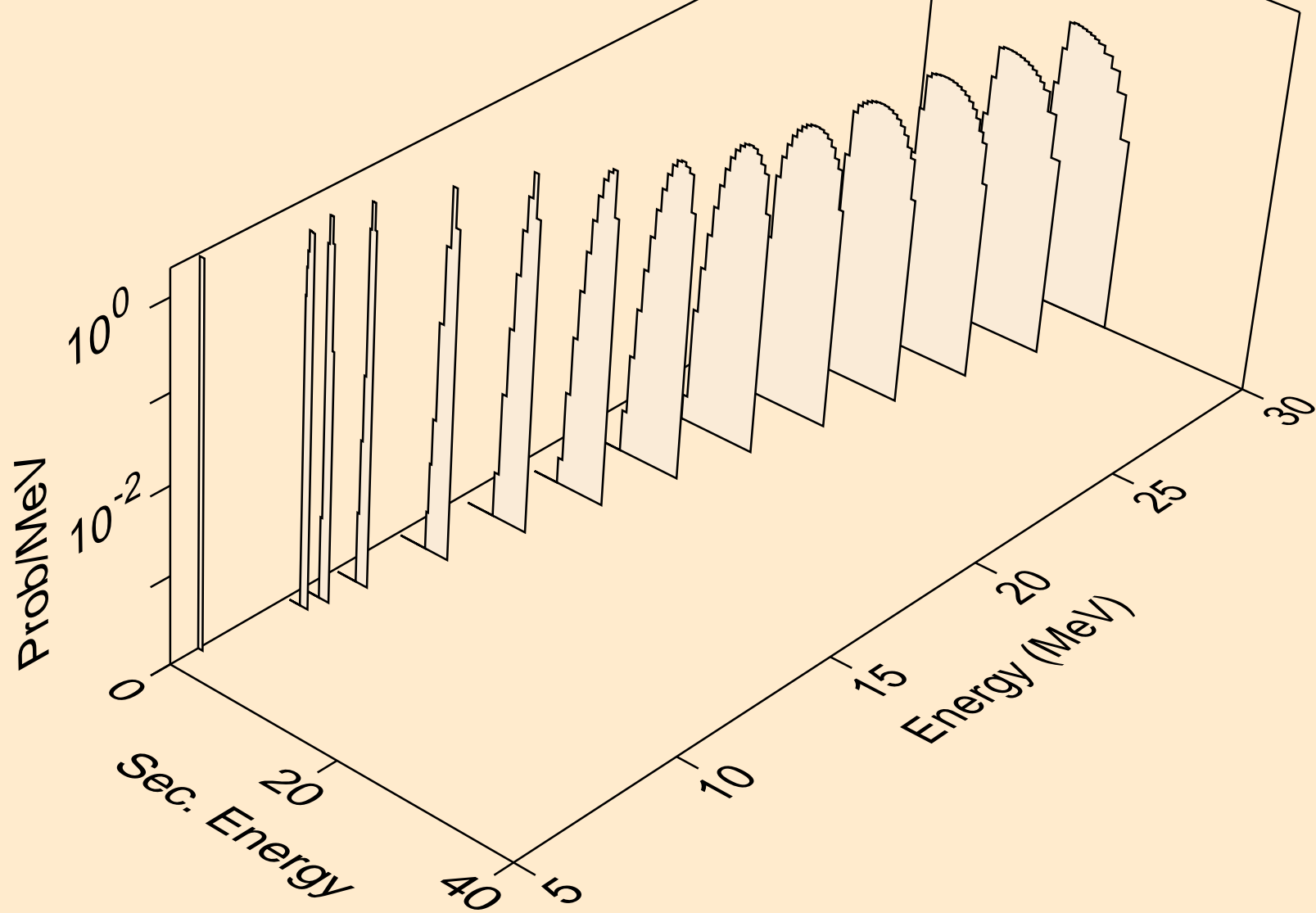
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tritons from (n,x)



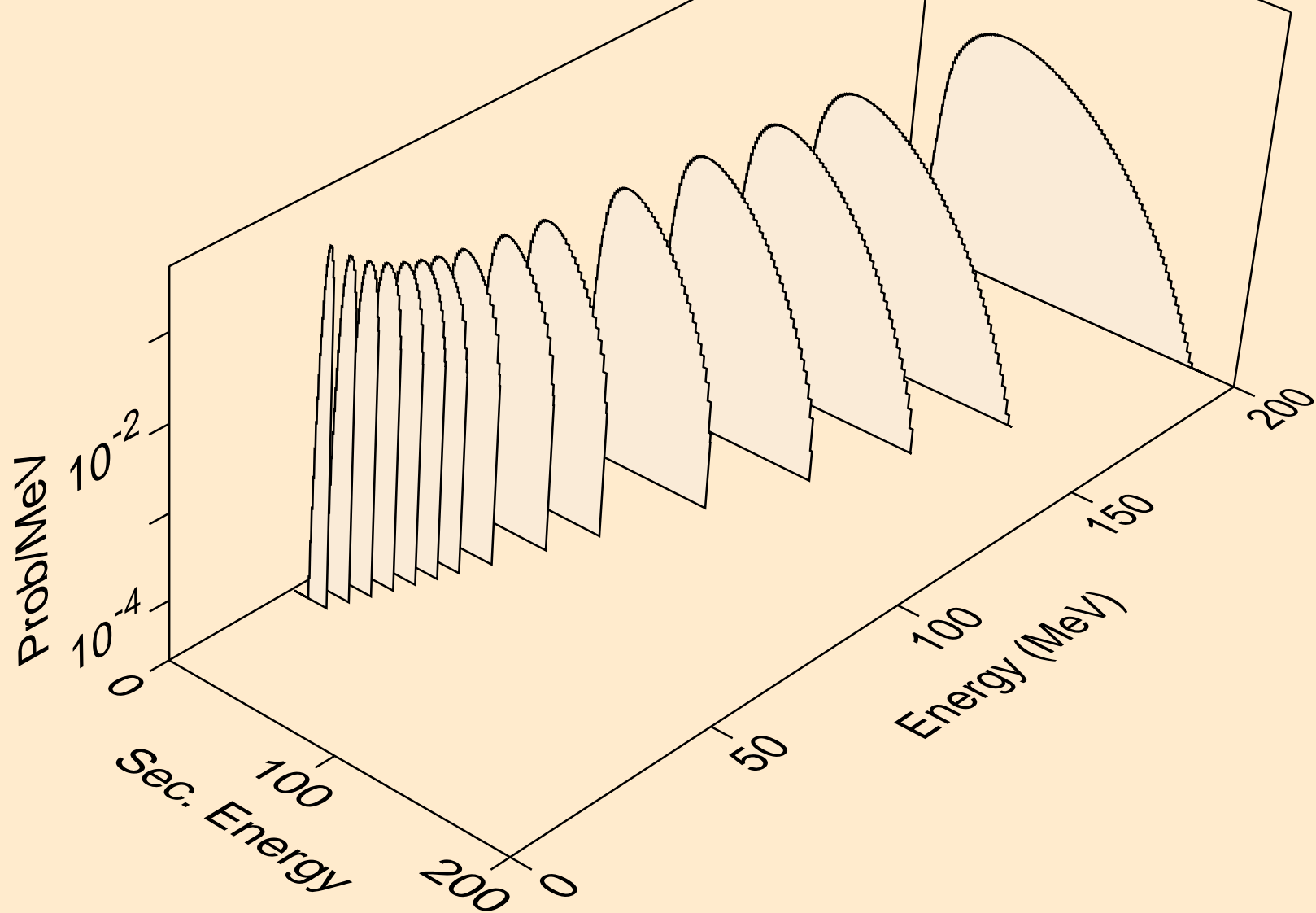
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tritons from (n,n\*)t



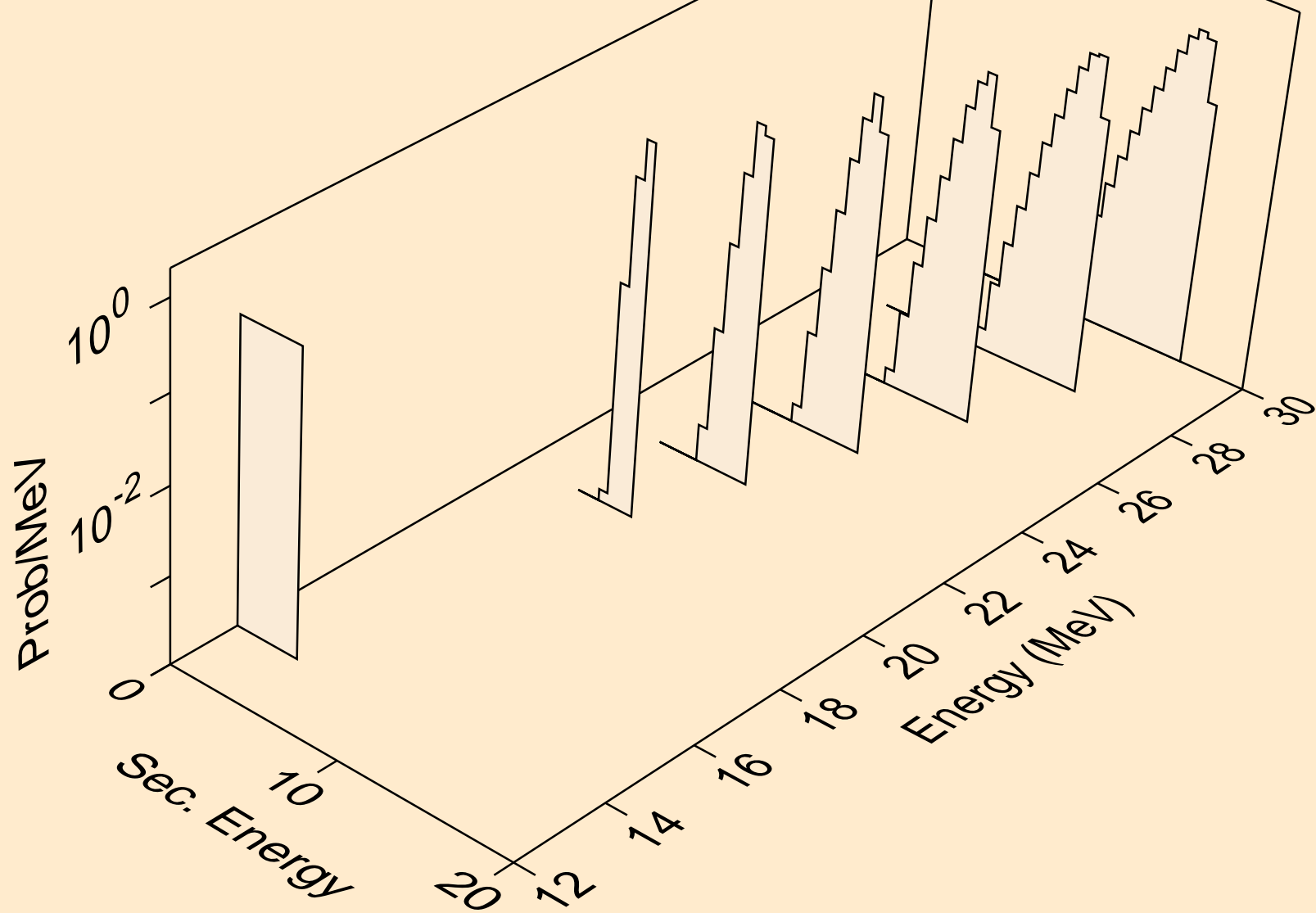
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tritons from (n,t)



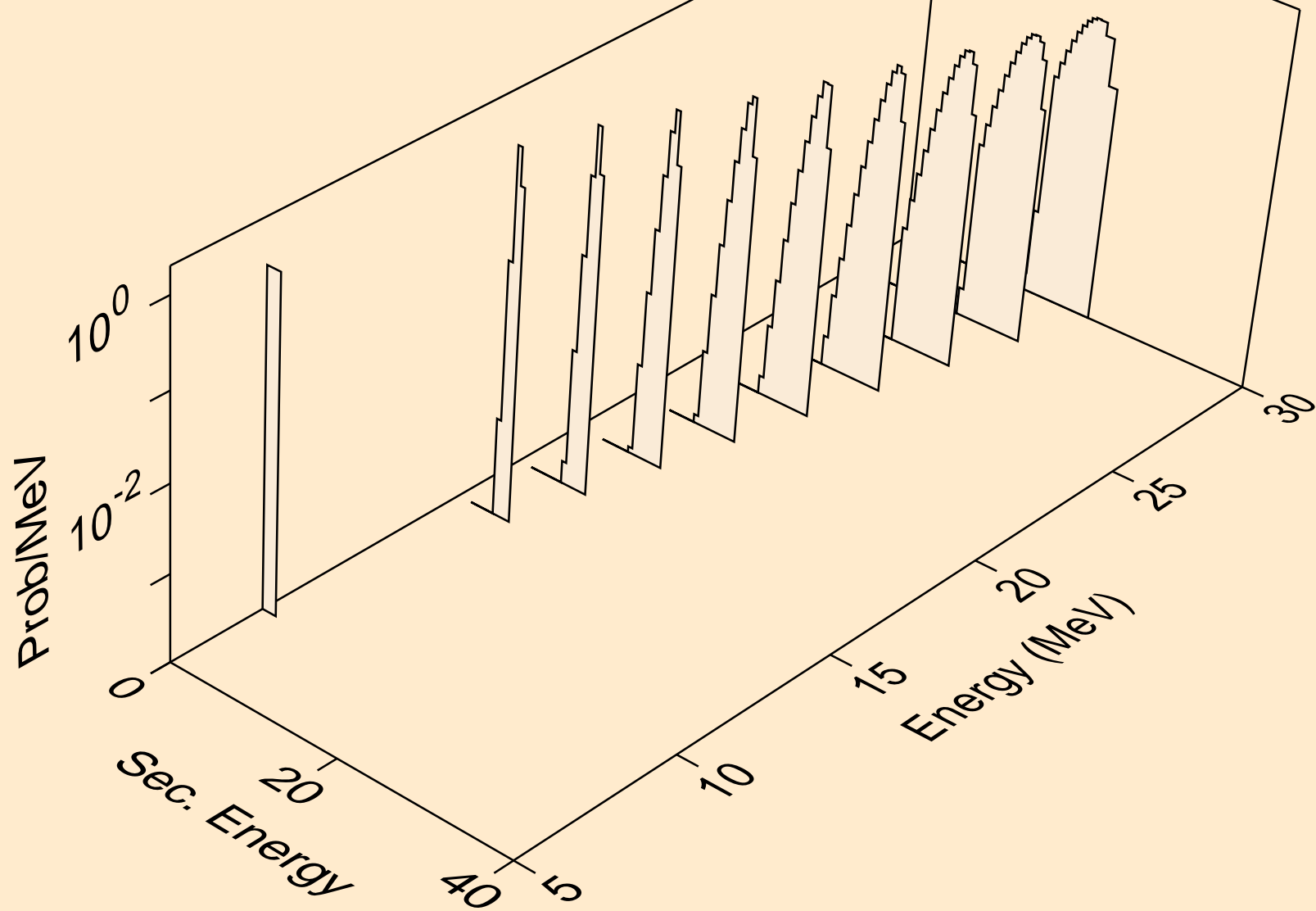
DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,x)



DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,n\*)he3

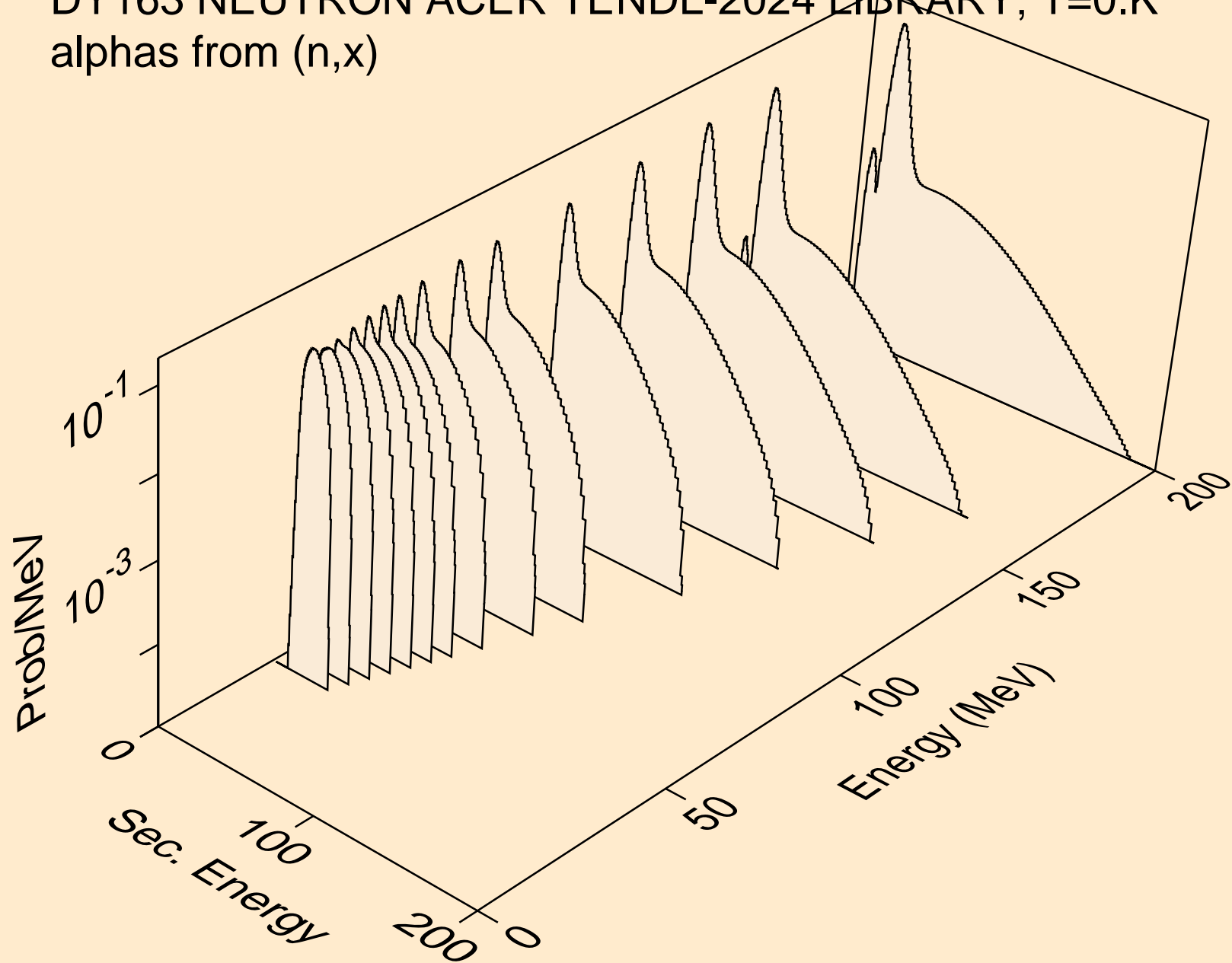


DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,he3)

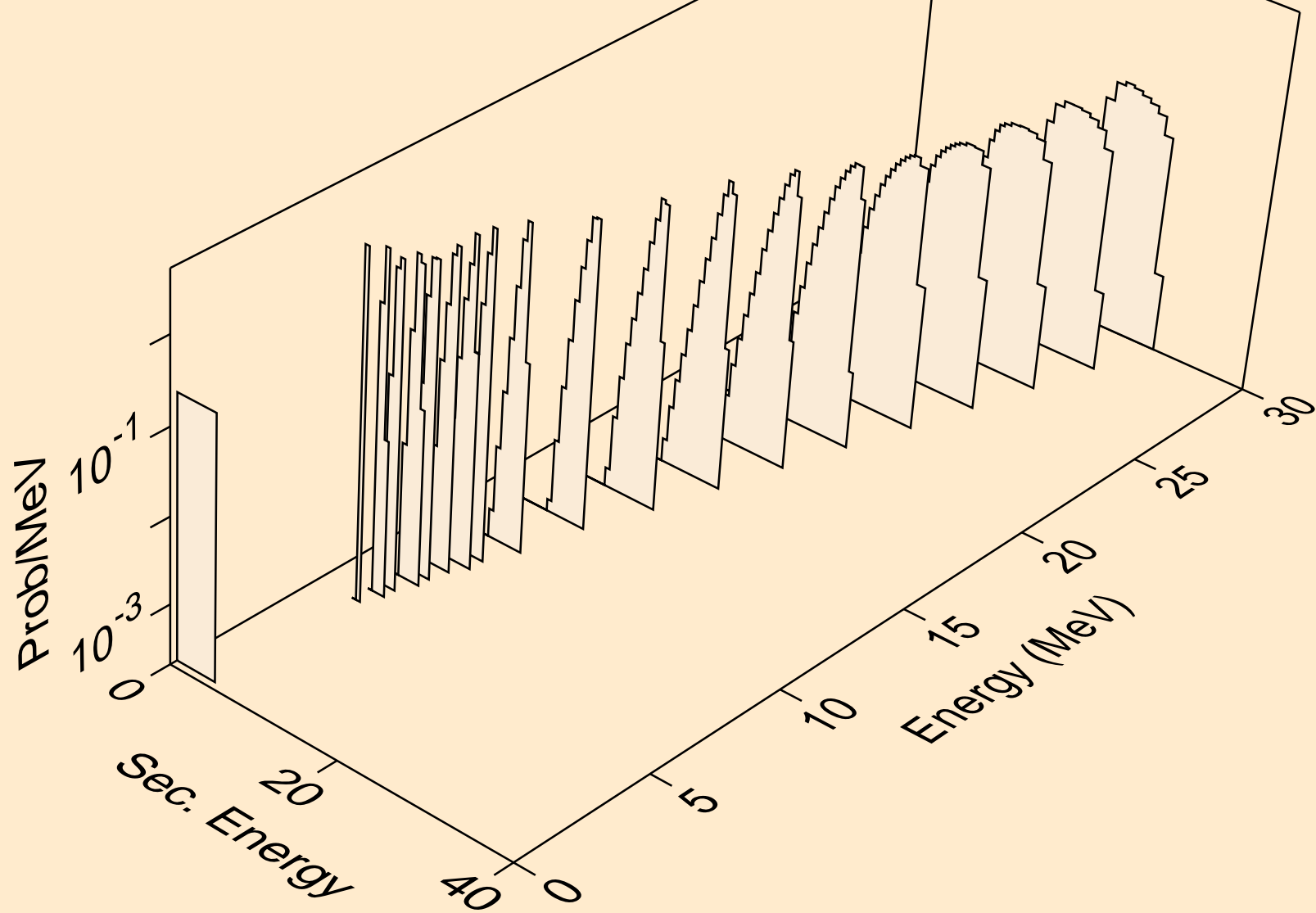




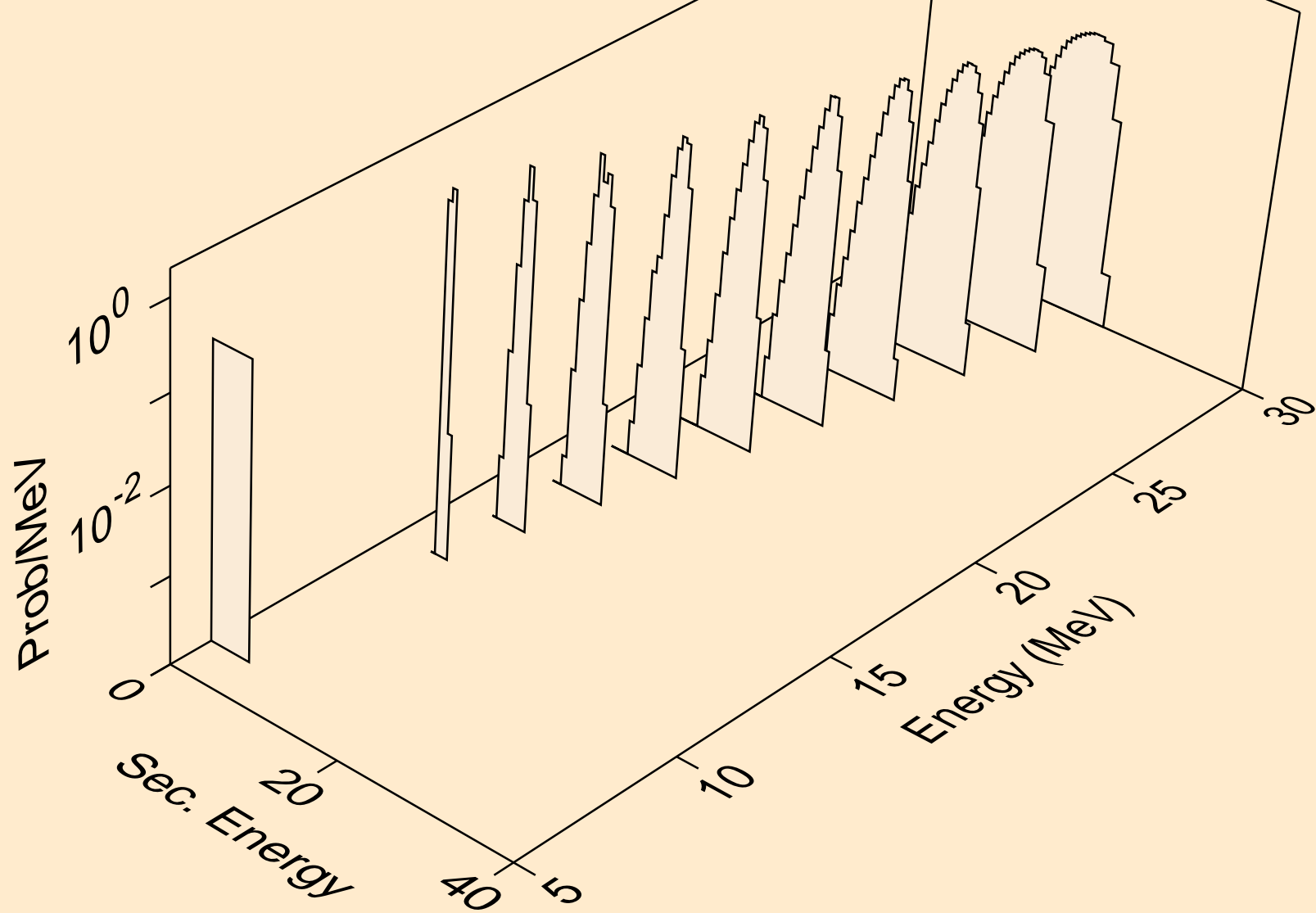
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alphas from (n,x)



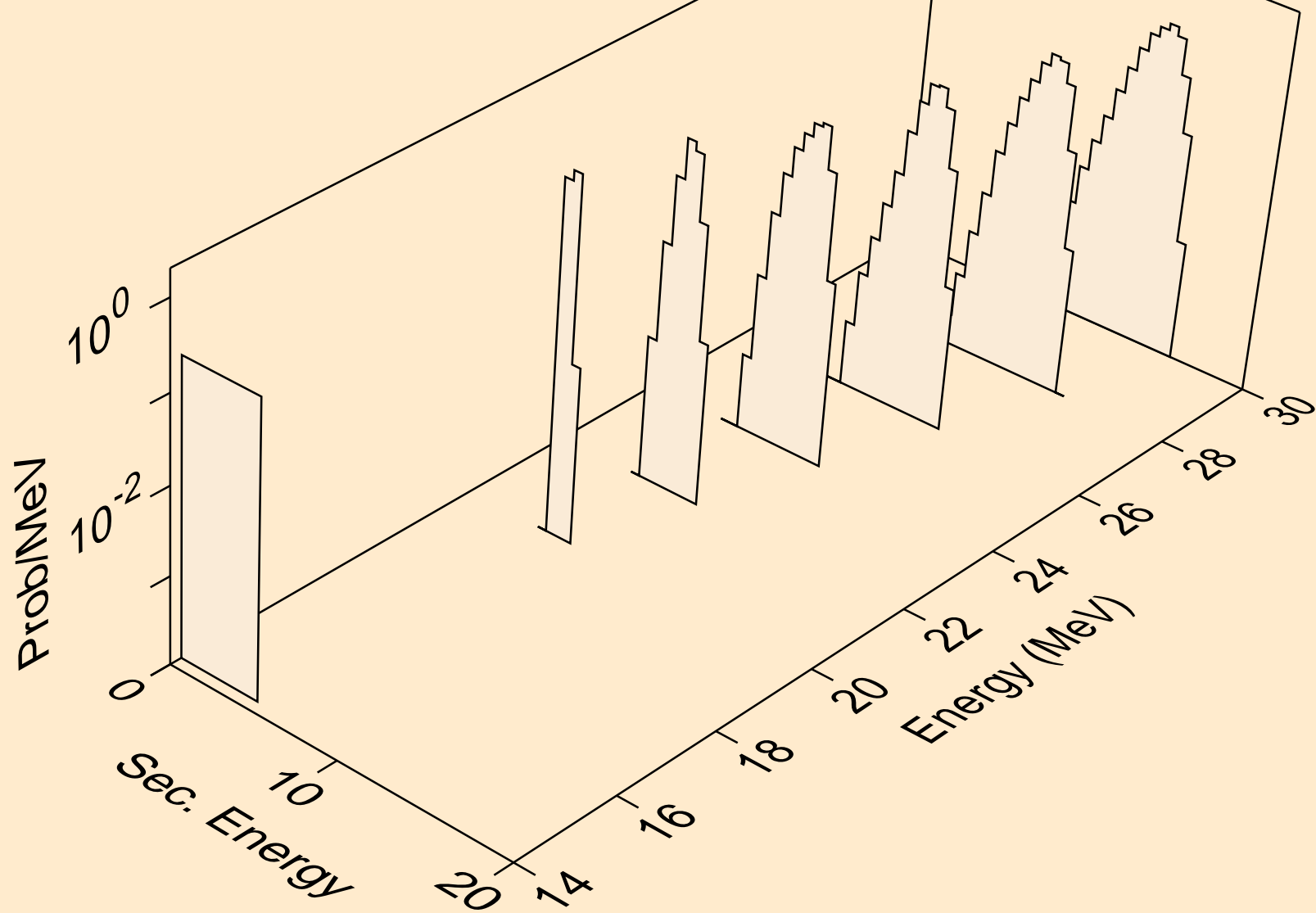
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alphas from (n,n\*)a



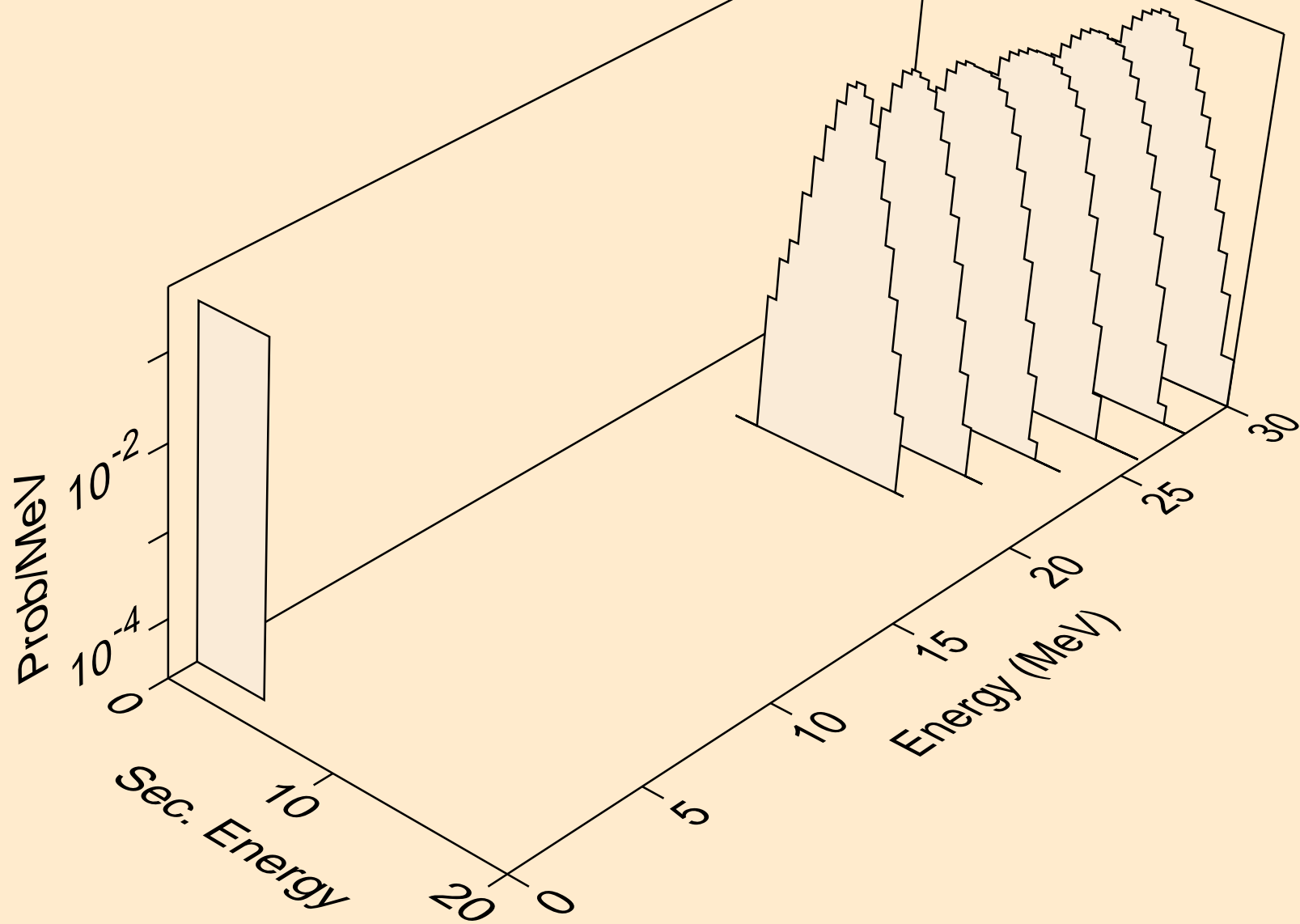
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alphas from (n,2n)a



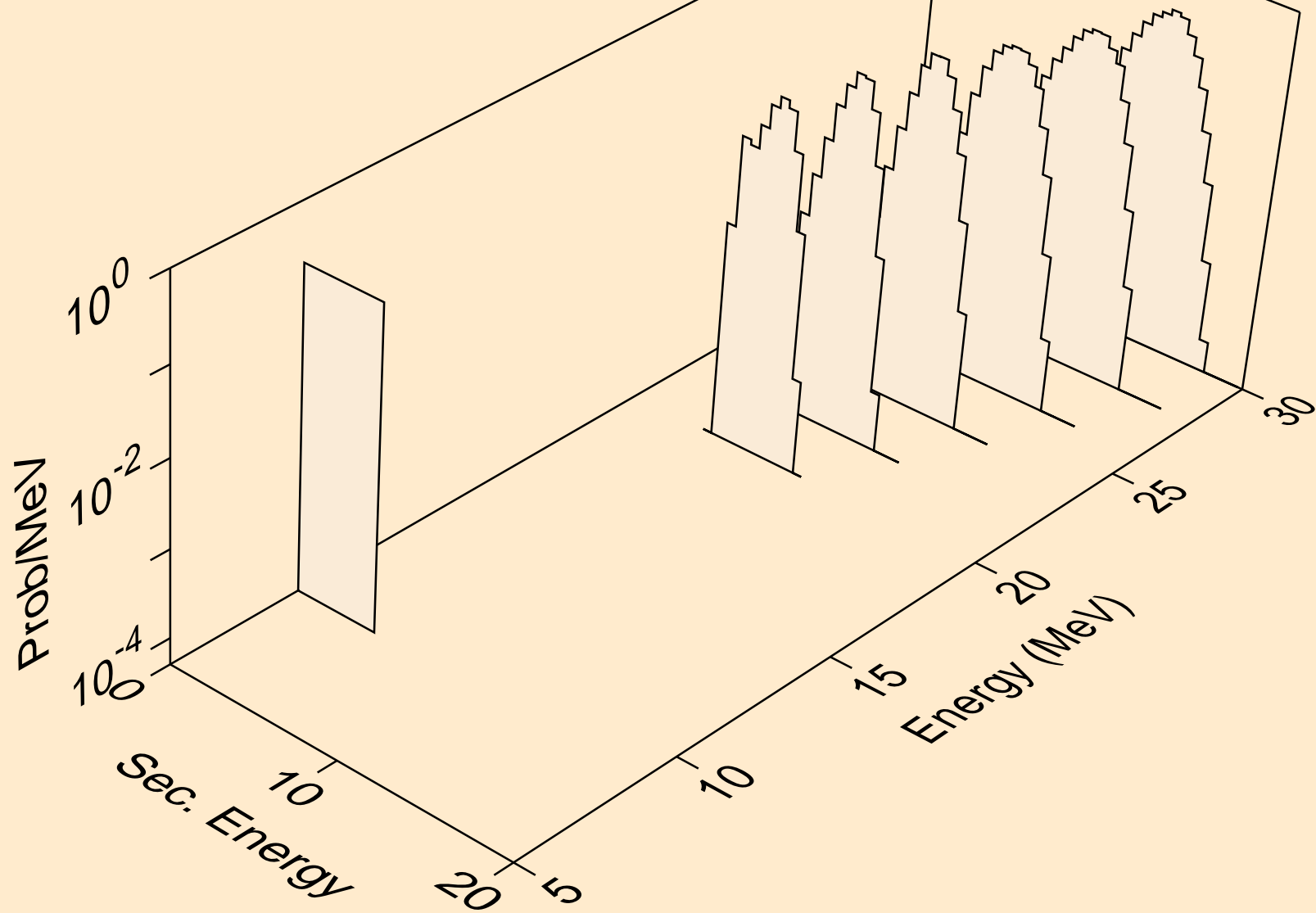
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alphas from (n,3n)a



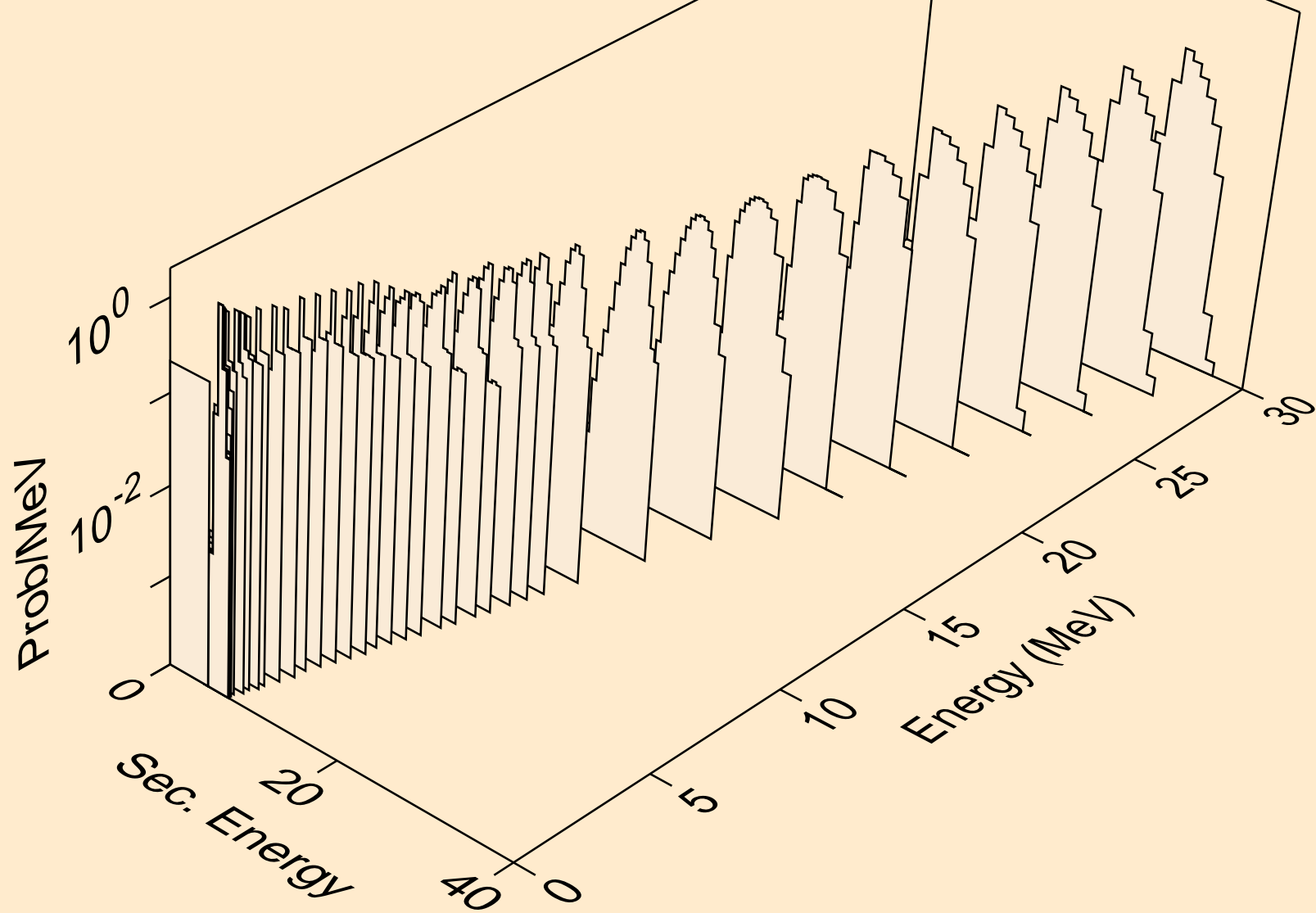
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alphas from (n,n\*)2a



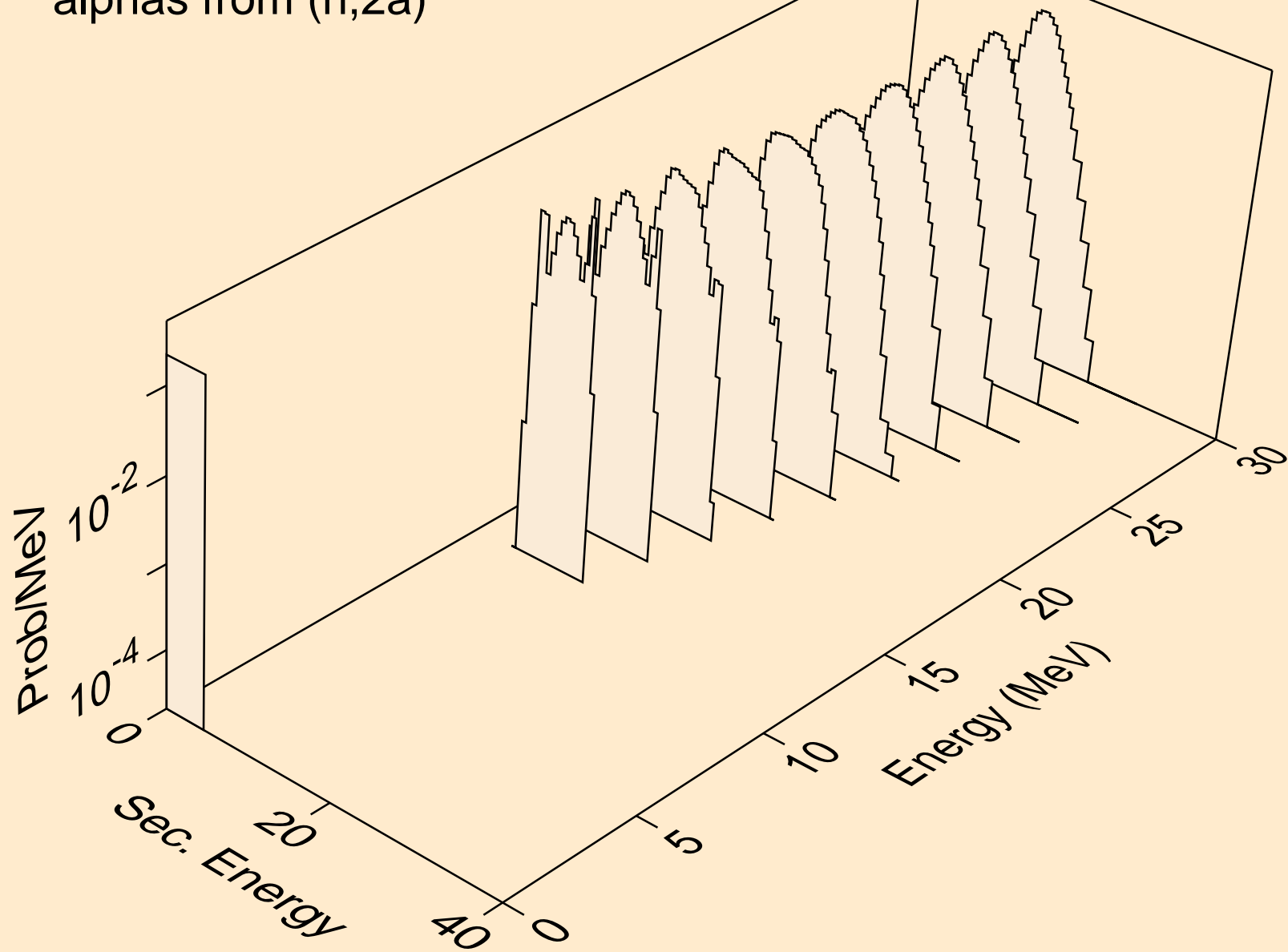
DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,npa)



DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,a)



DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2a)





DY163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,pa)

