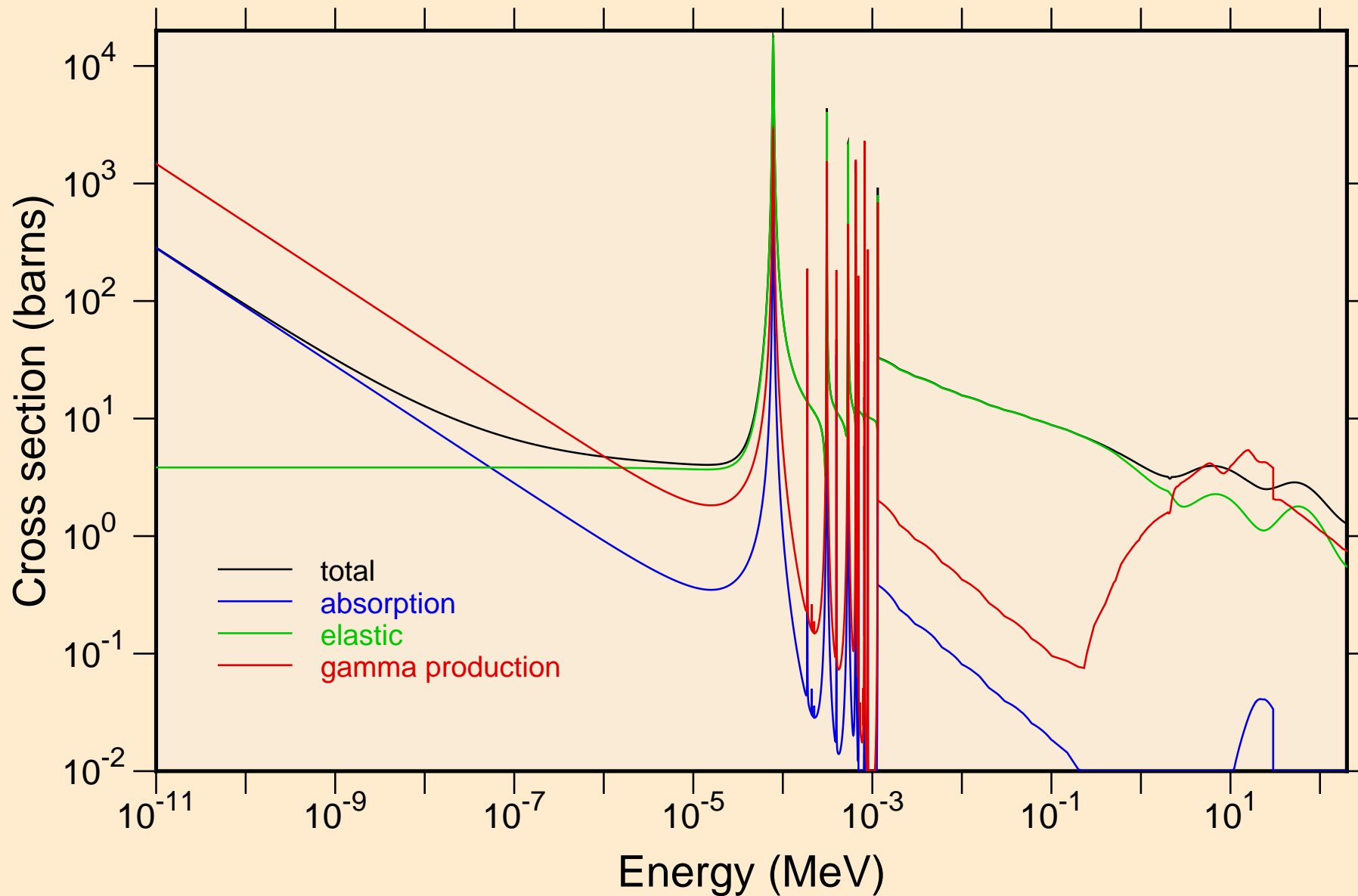
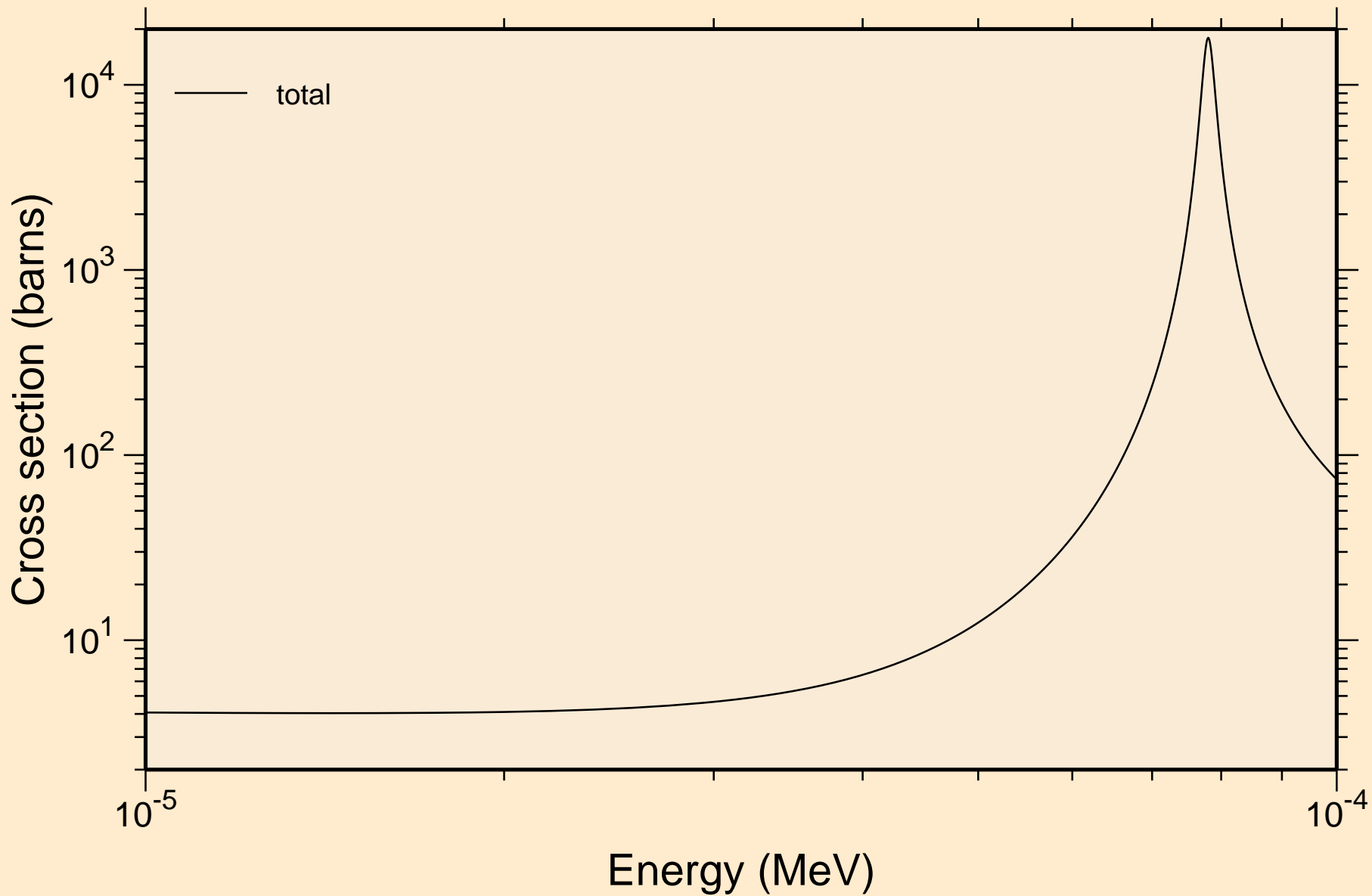


# CU070 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

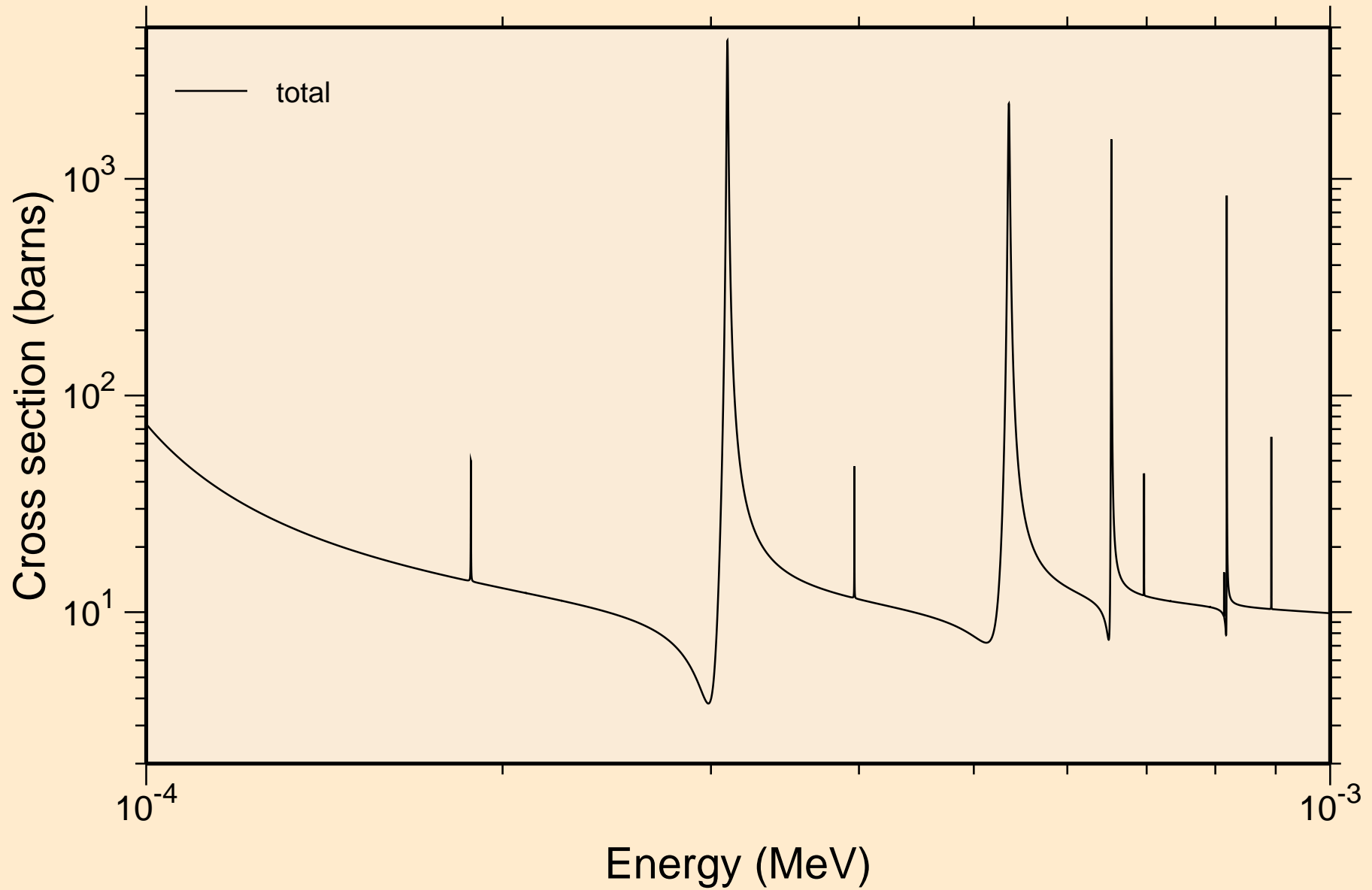
## Principal cross sections



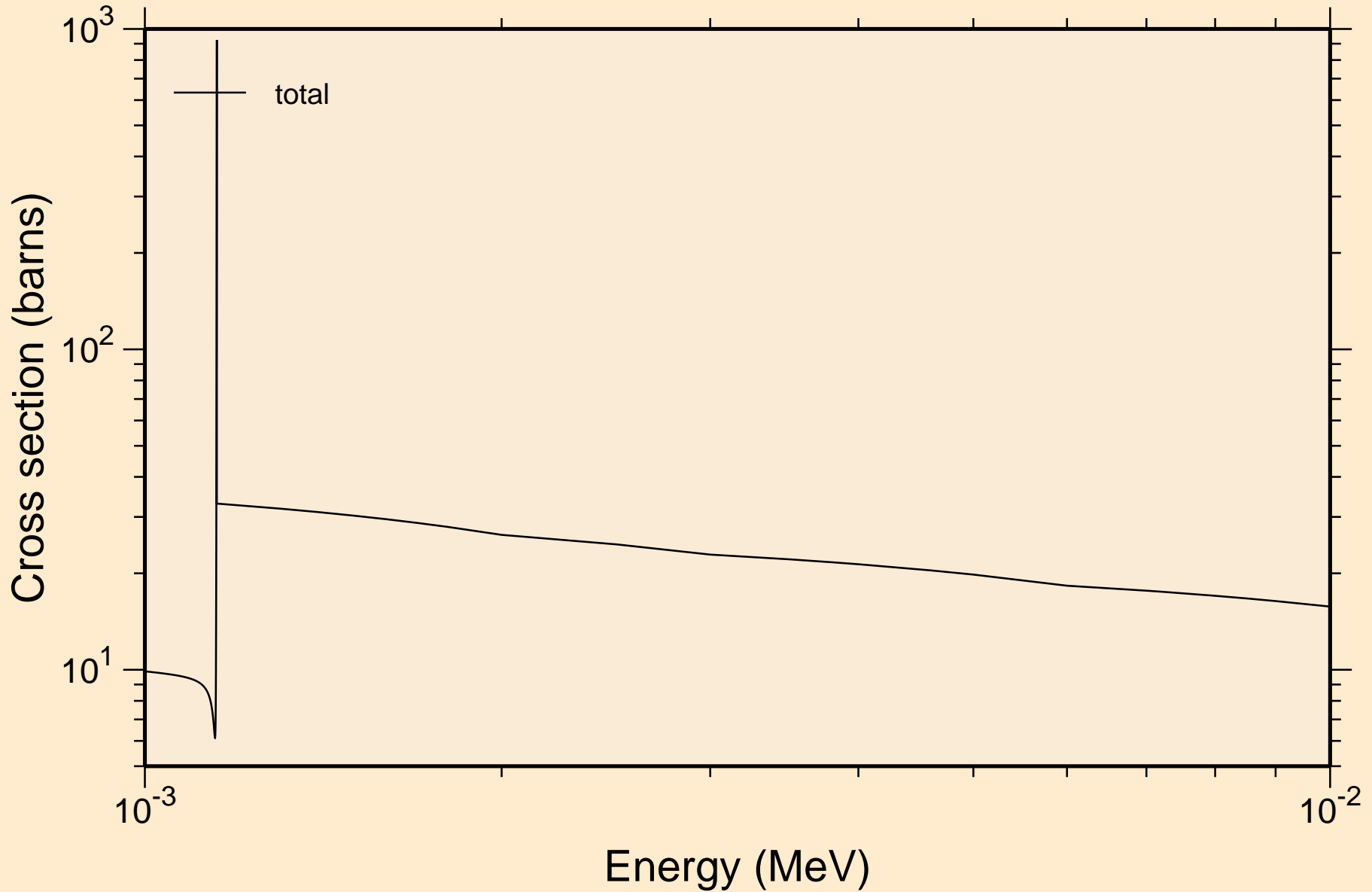
CU070 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



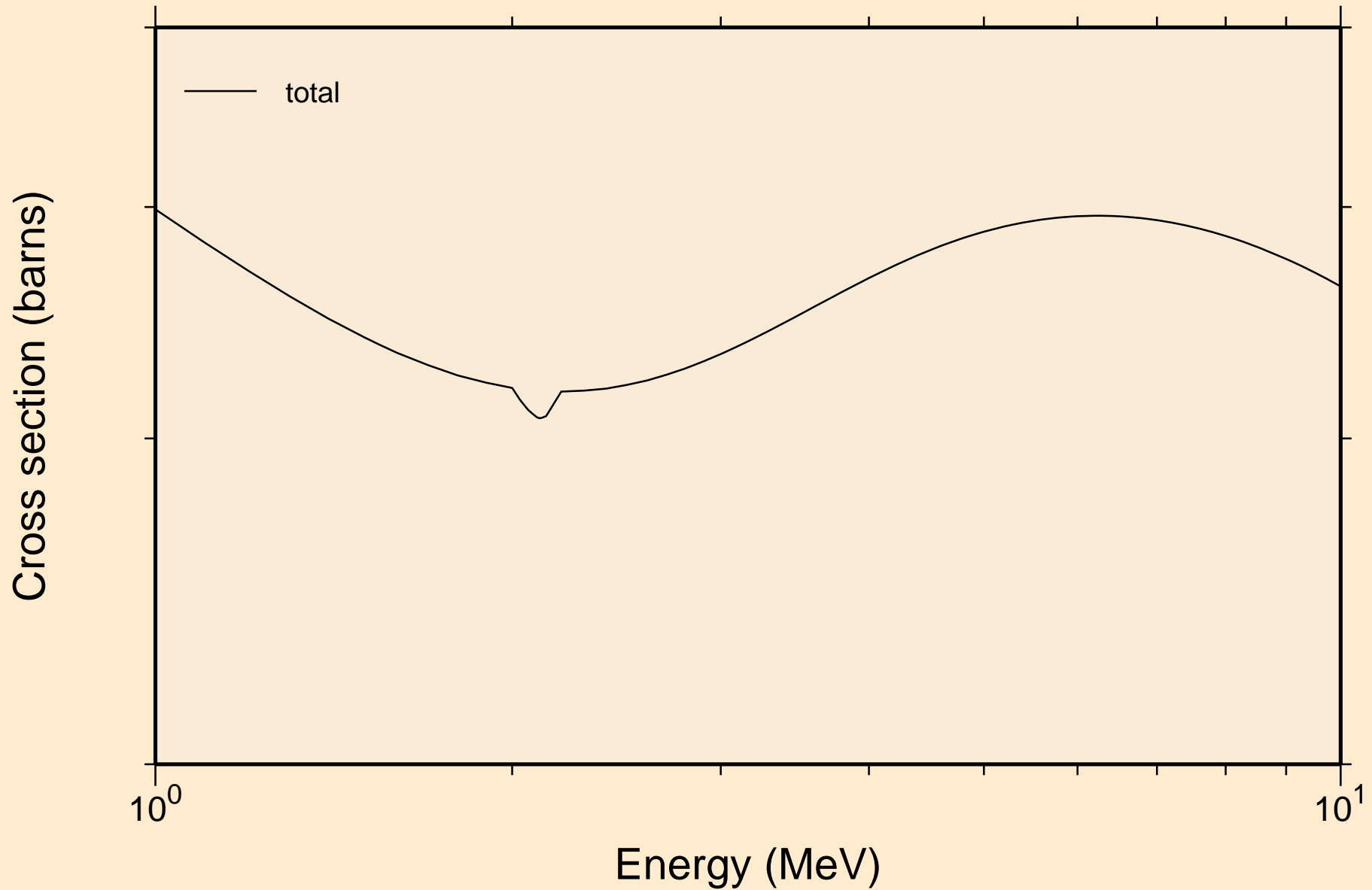
CU070 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



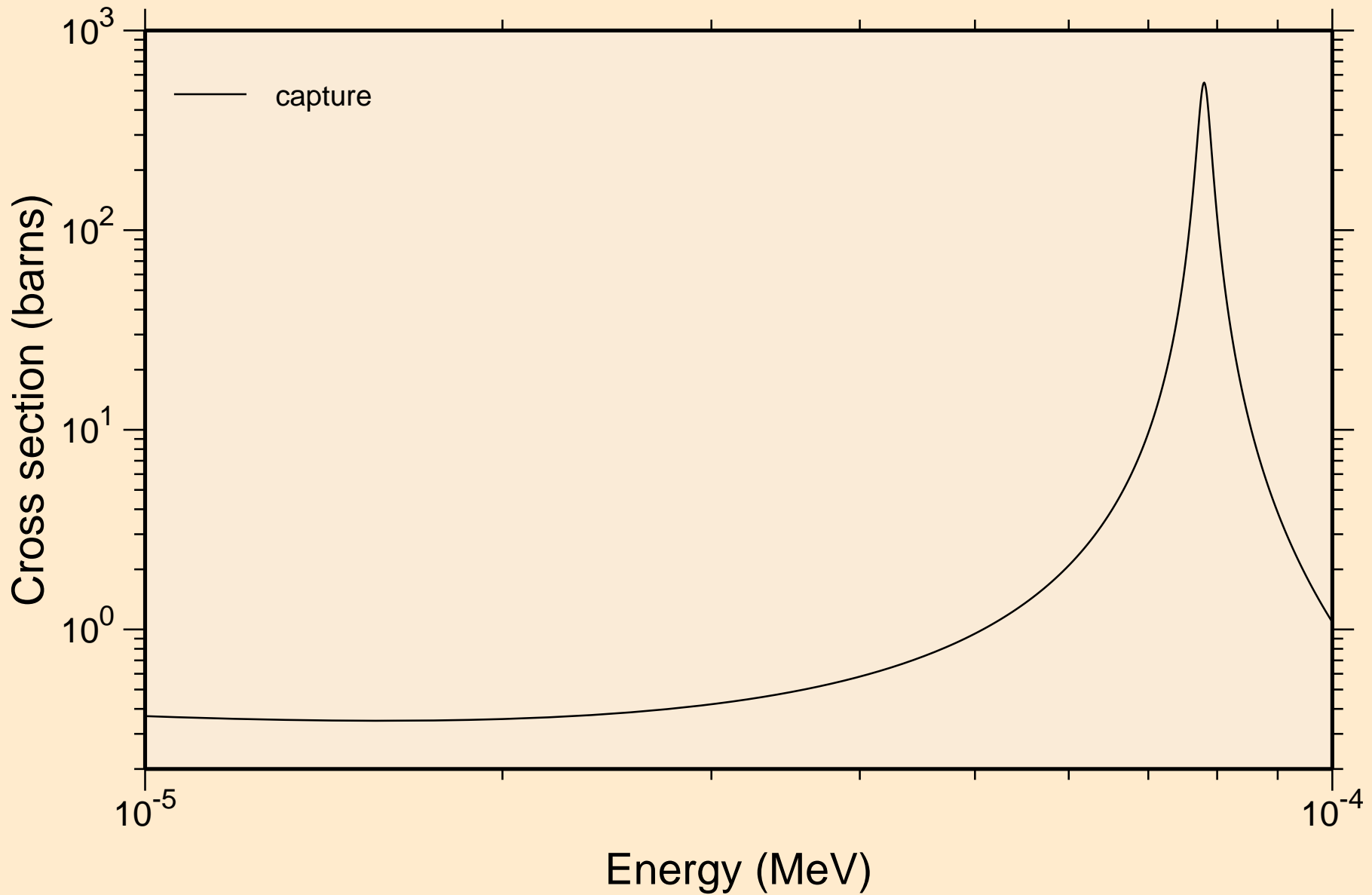
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resonance total cross section



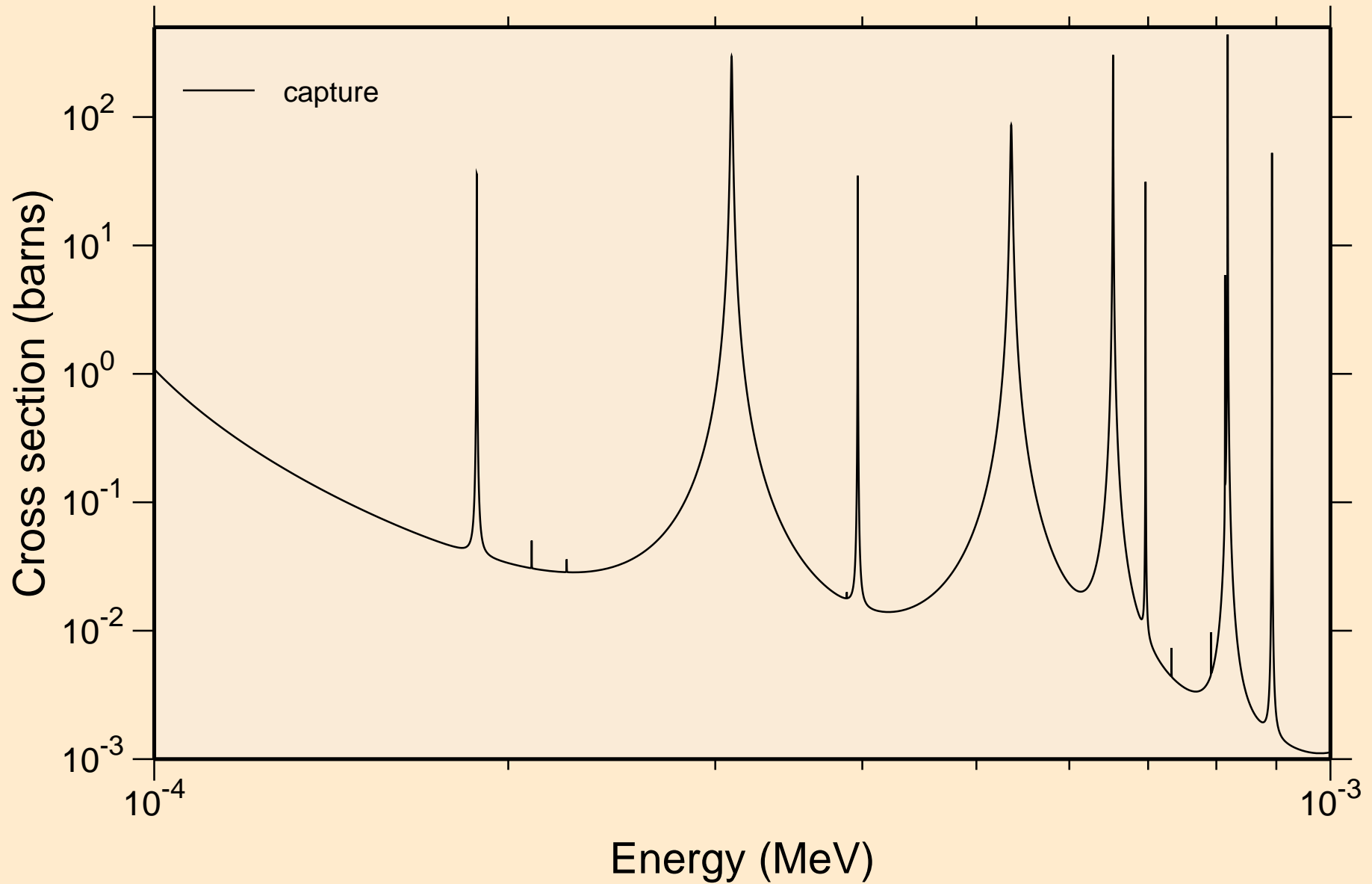
CU070 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



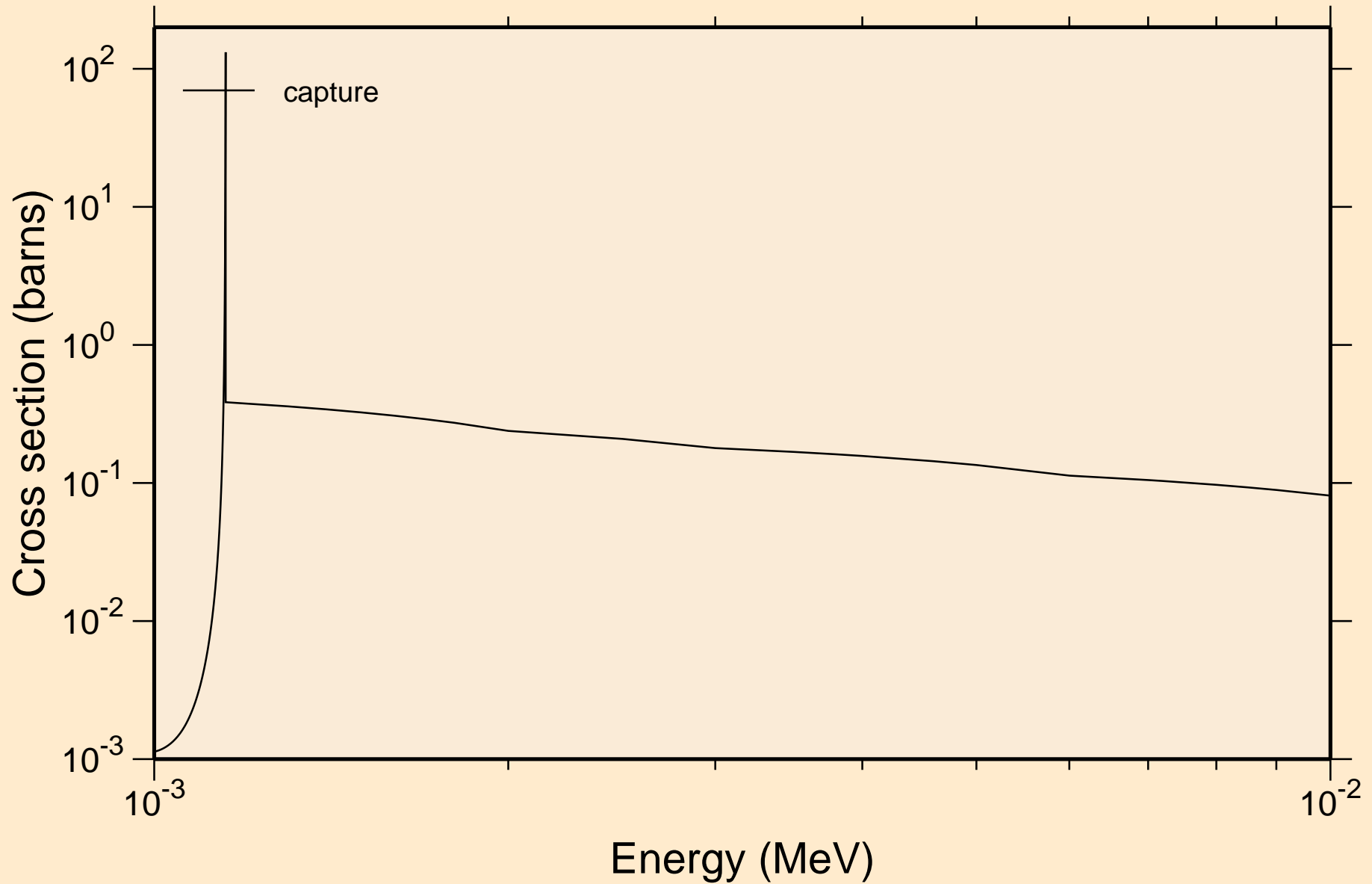
CU070 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



CU070 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

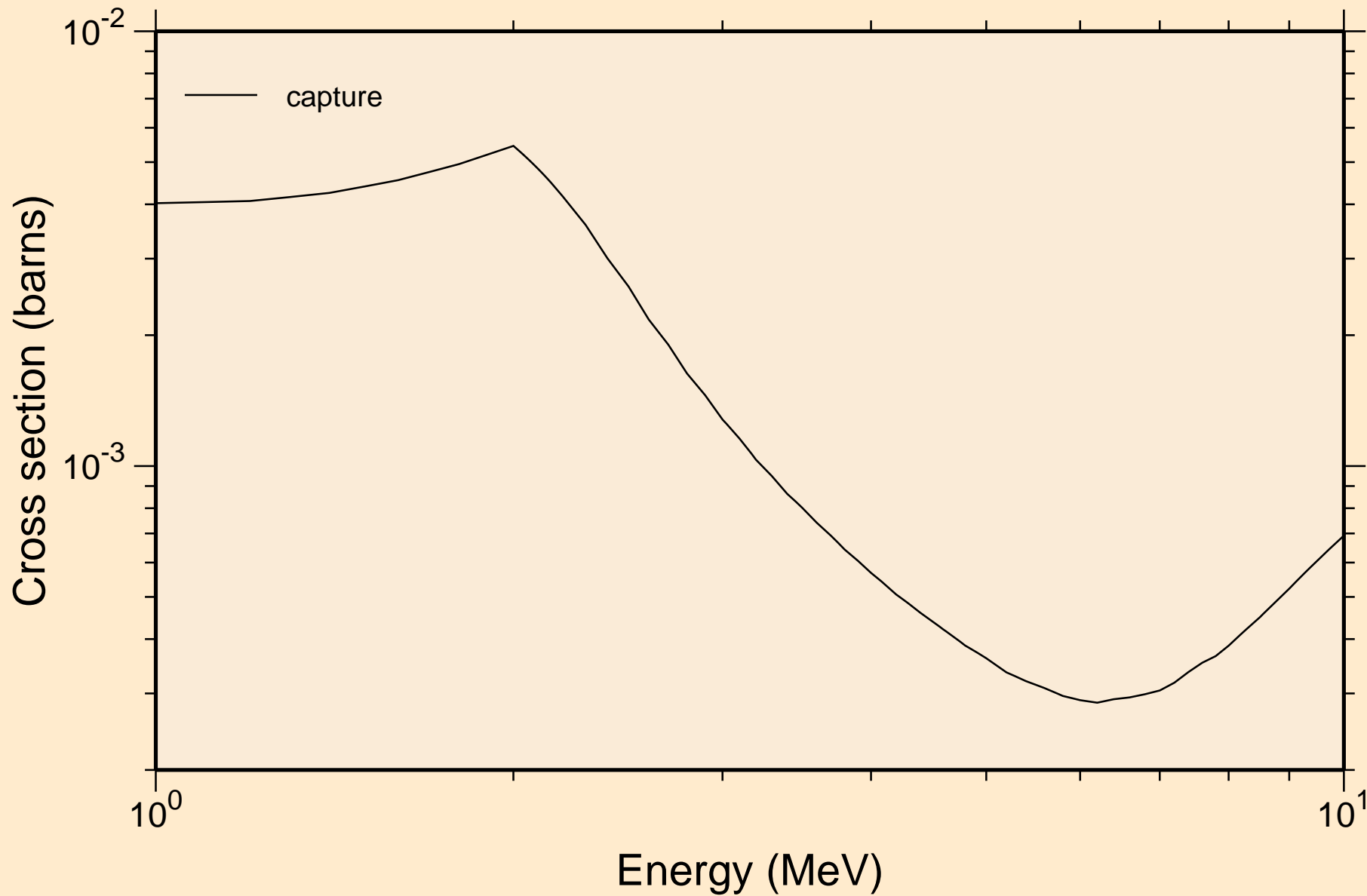


CU070 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

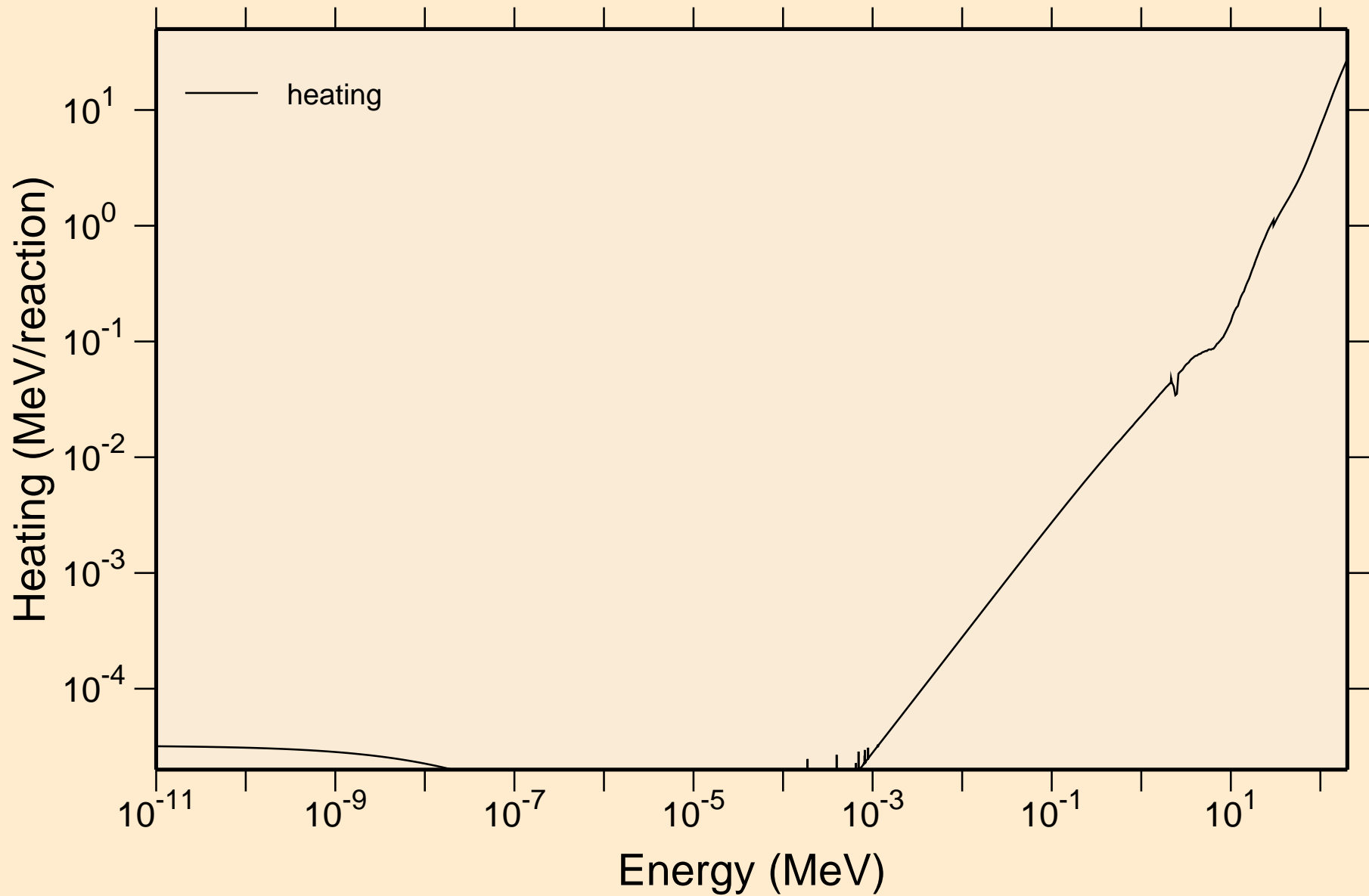




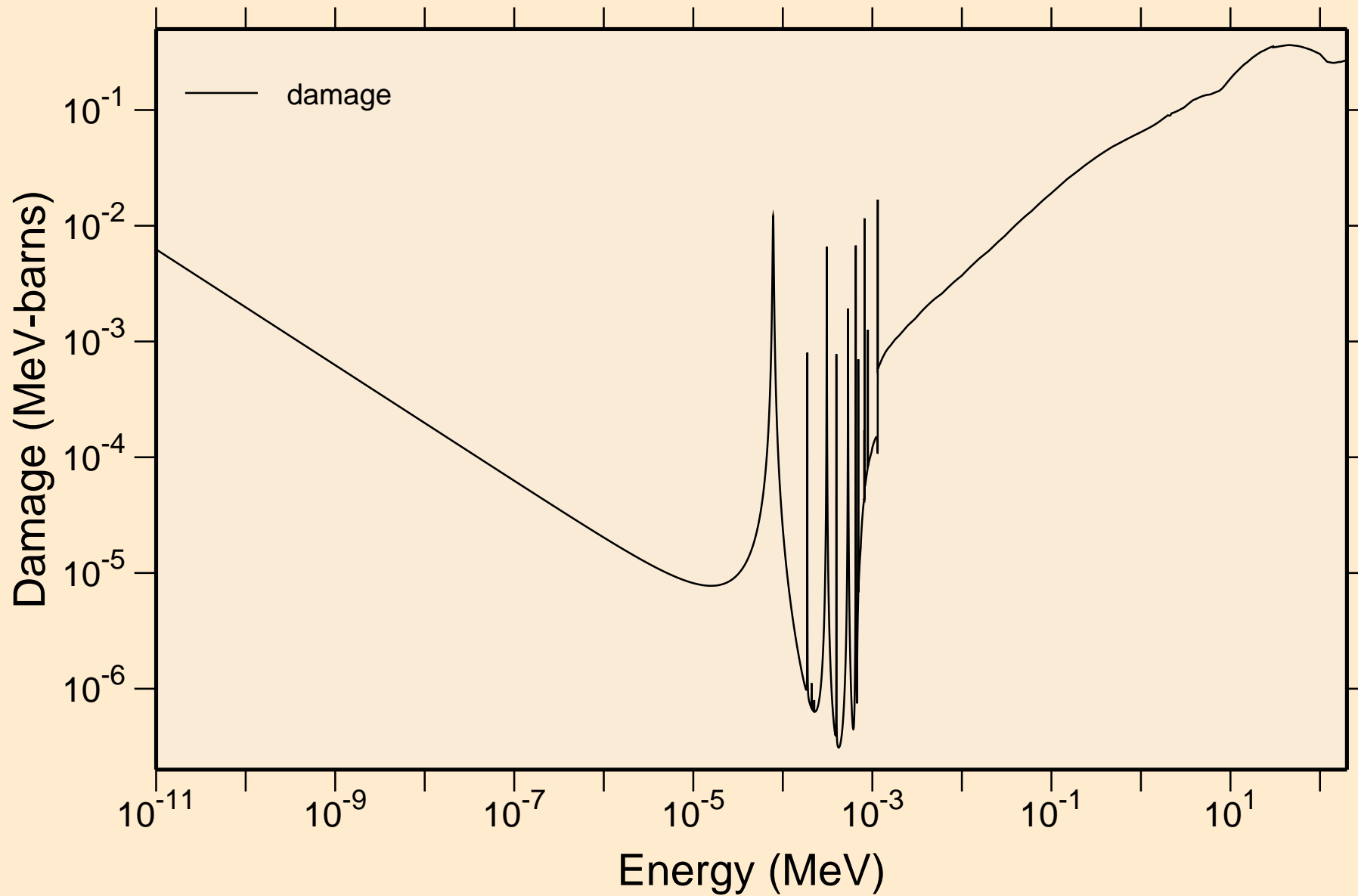
CU070 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



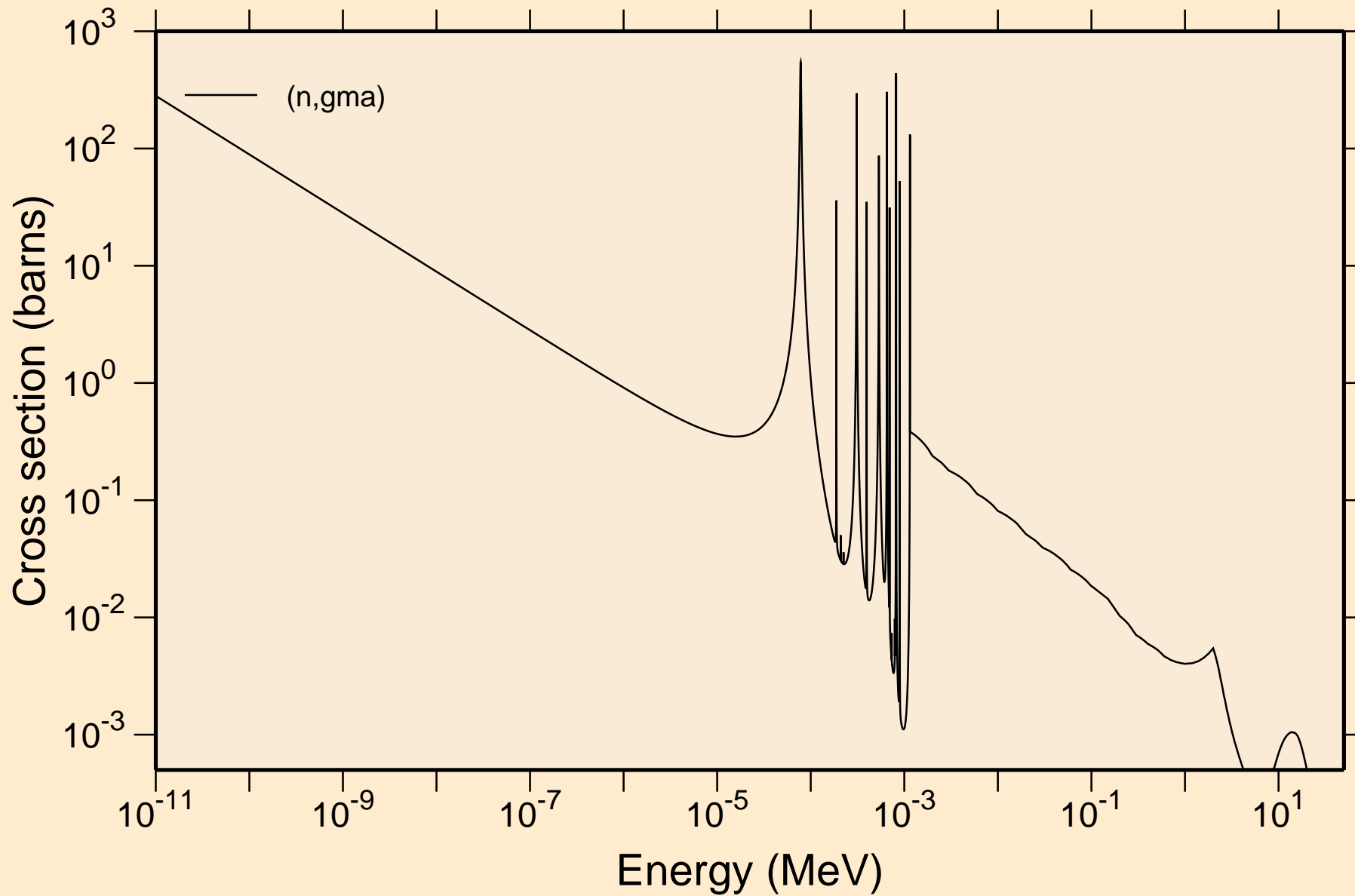
CU070 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Heating



CU070 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Damage

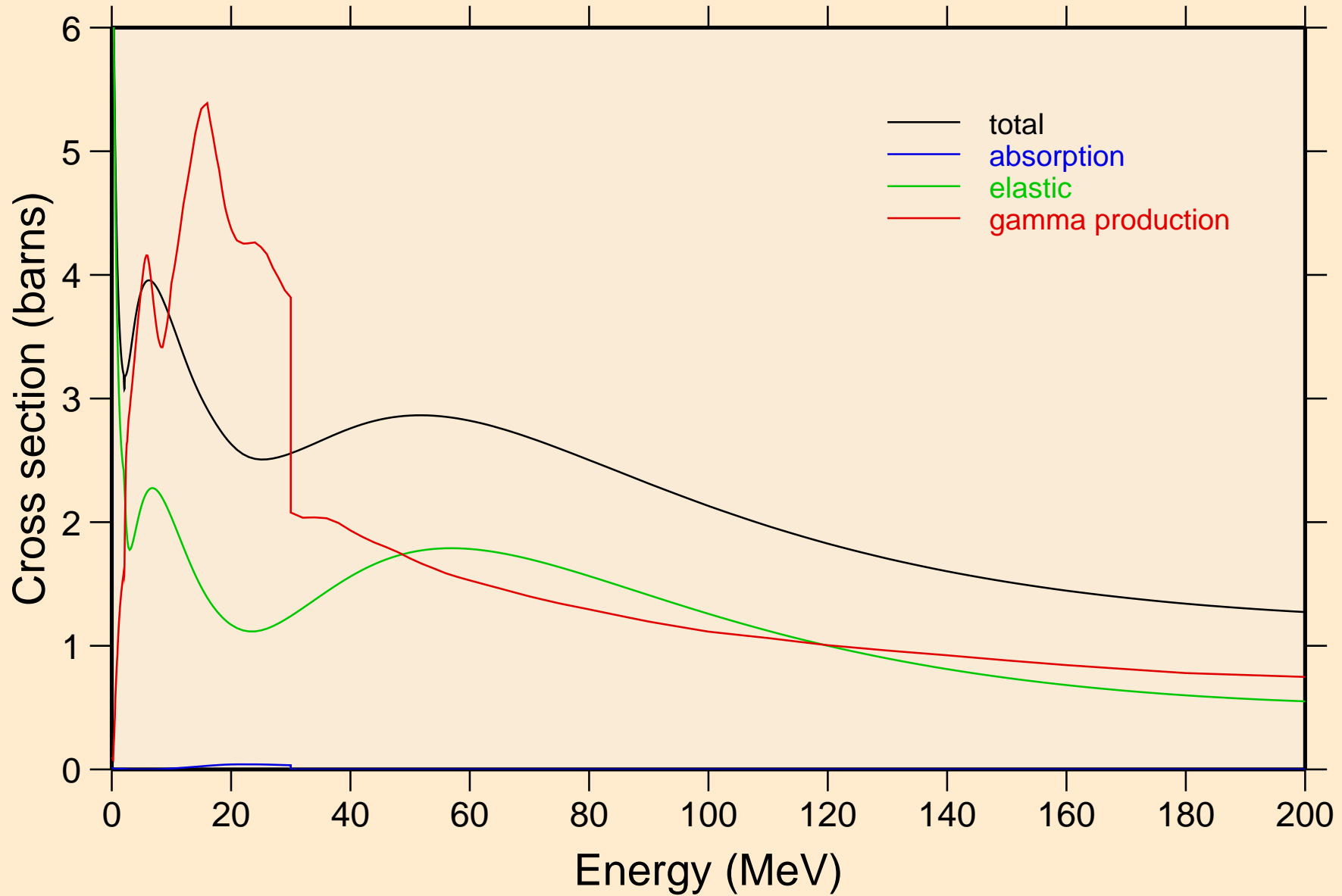


CU070 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



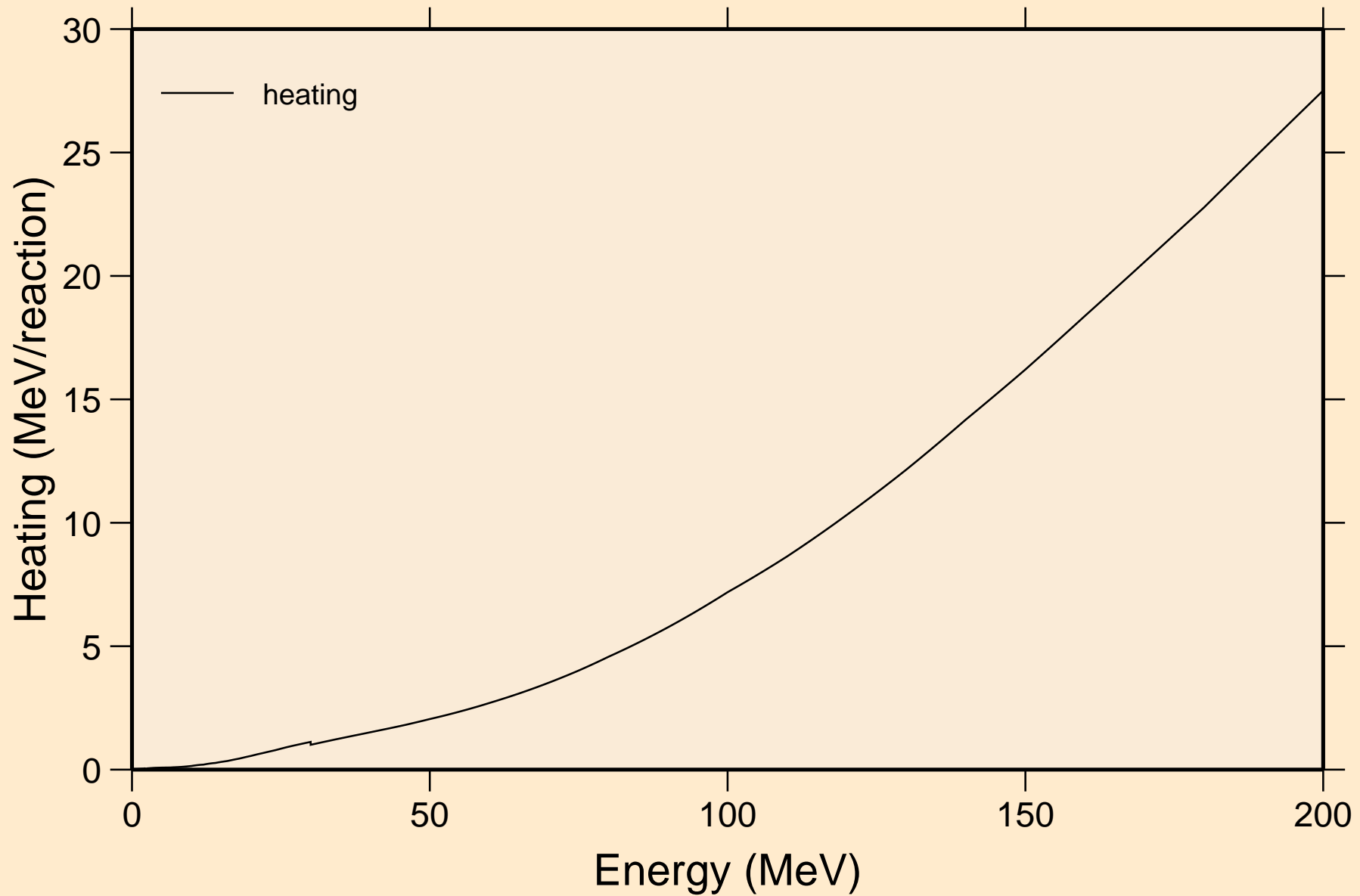
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## Principal cross sections

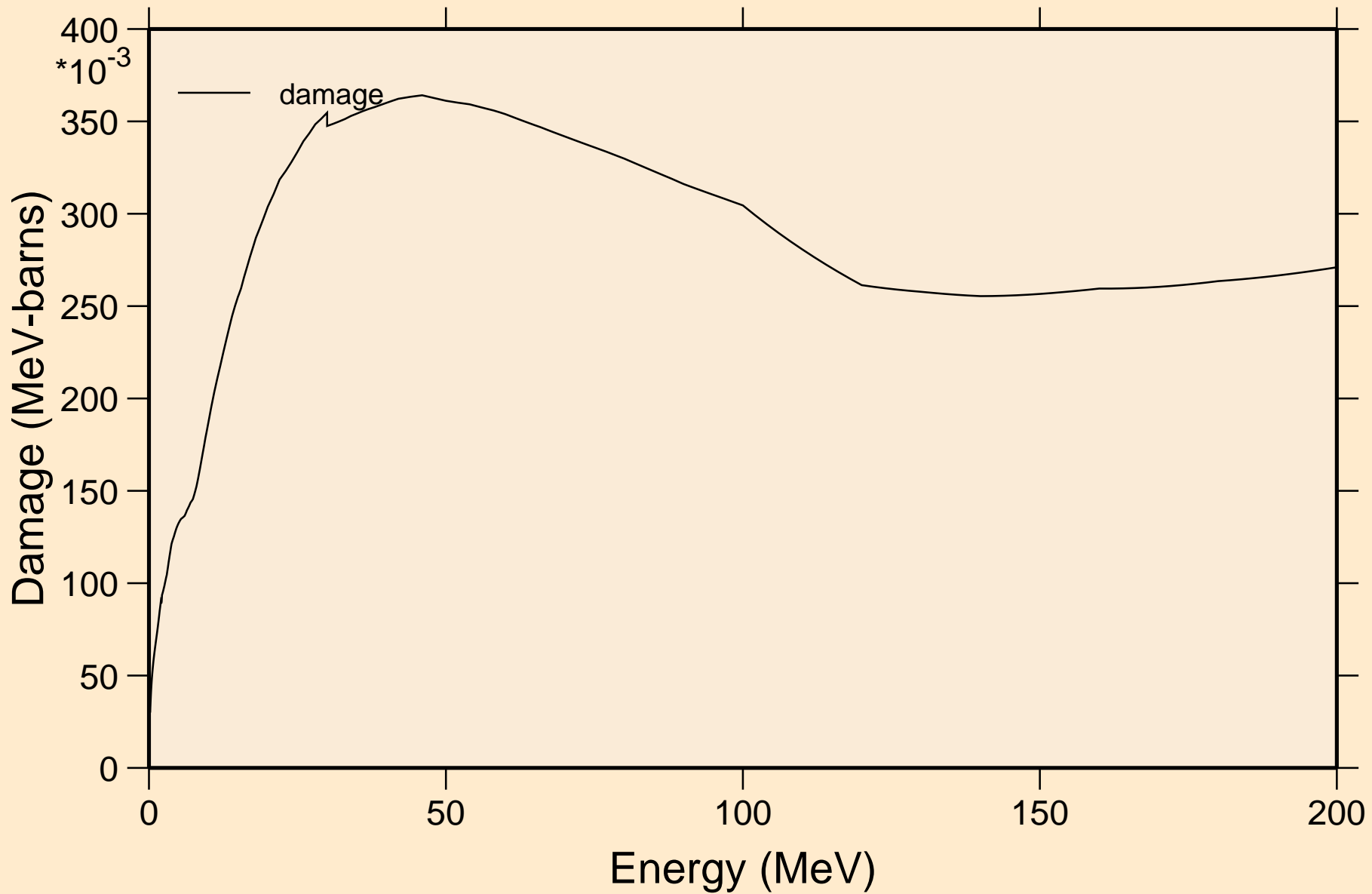


# CU070 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

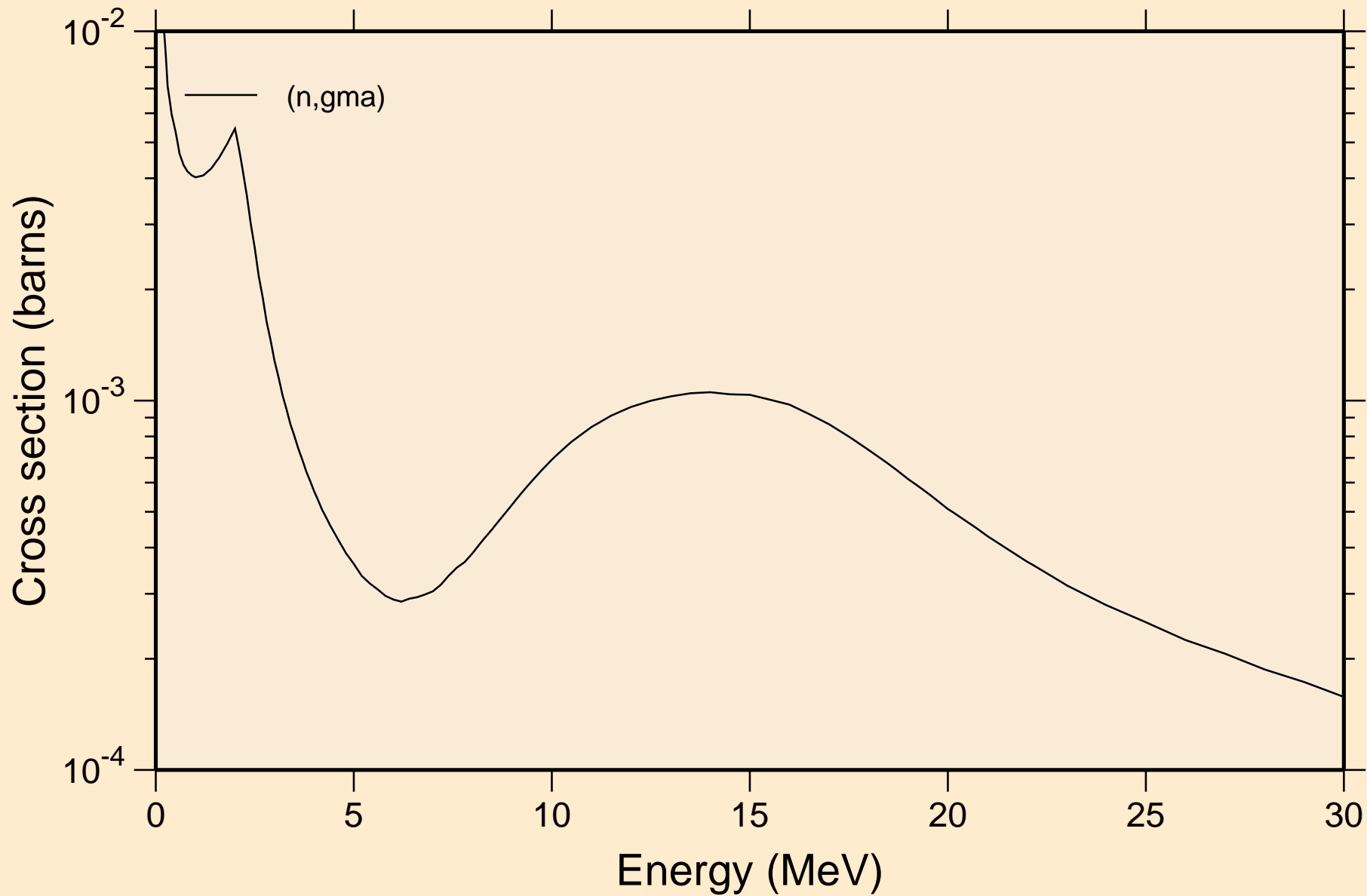
## Heating



CU070 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Damage

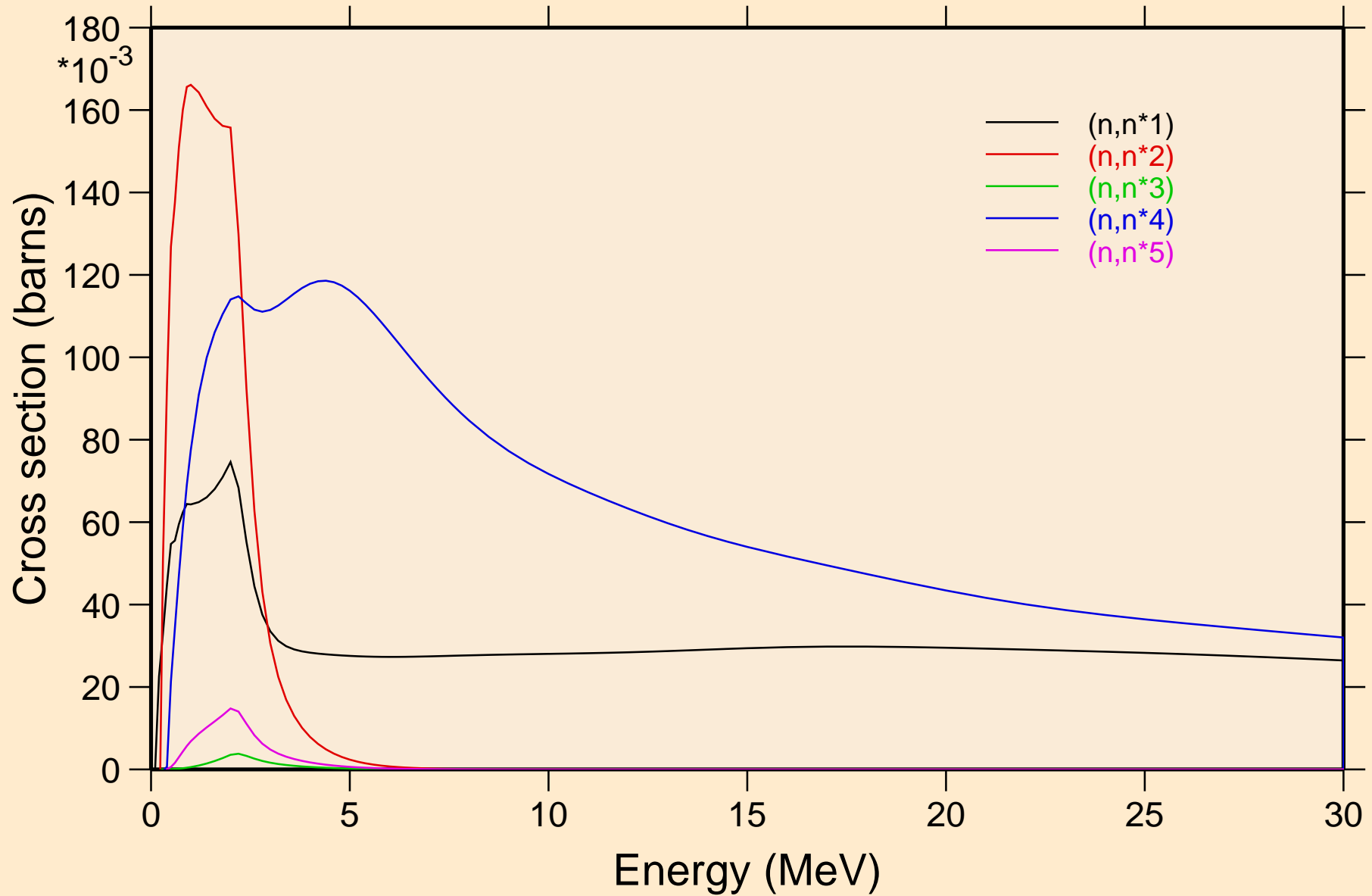


CU070 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

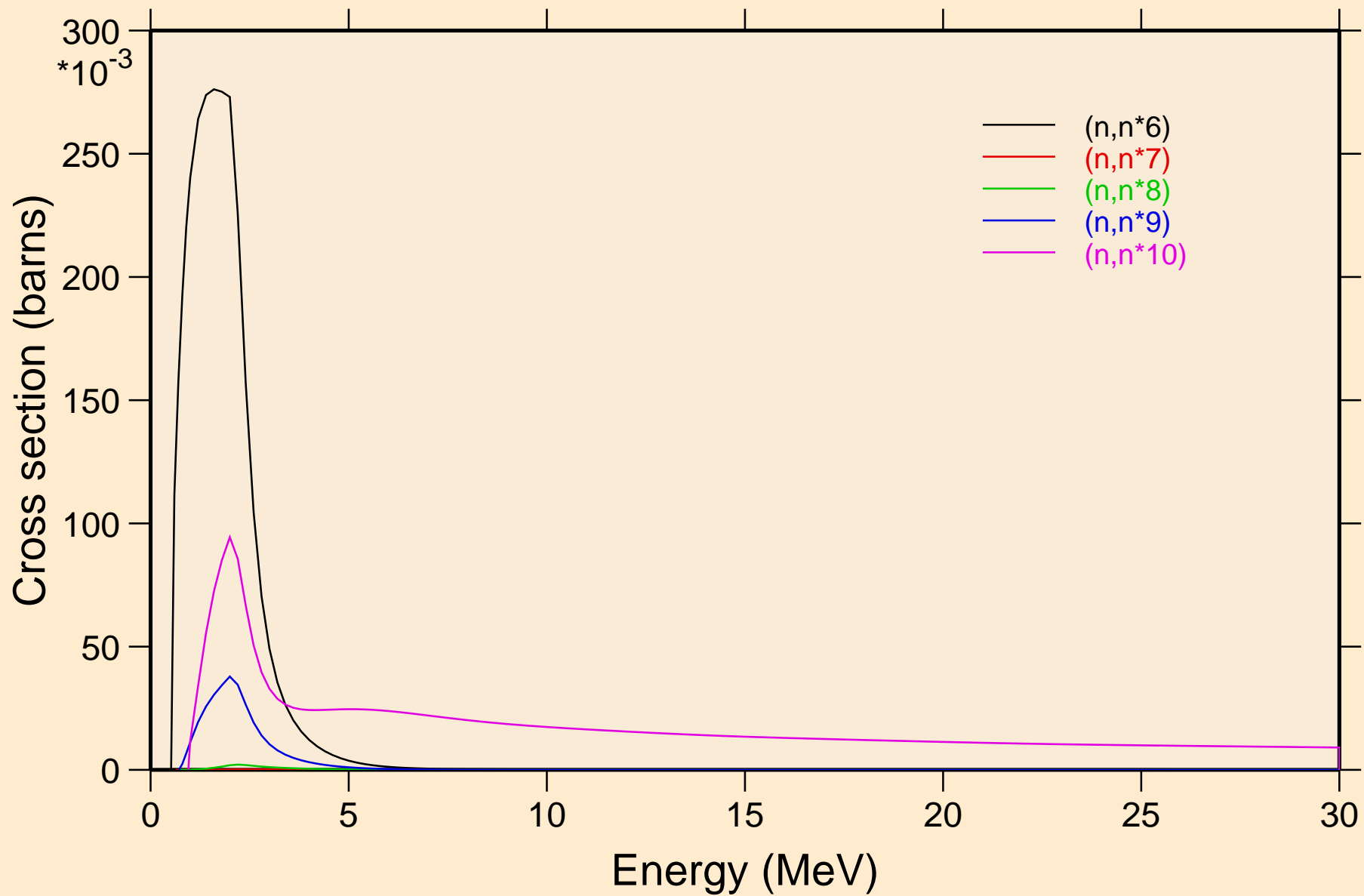




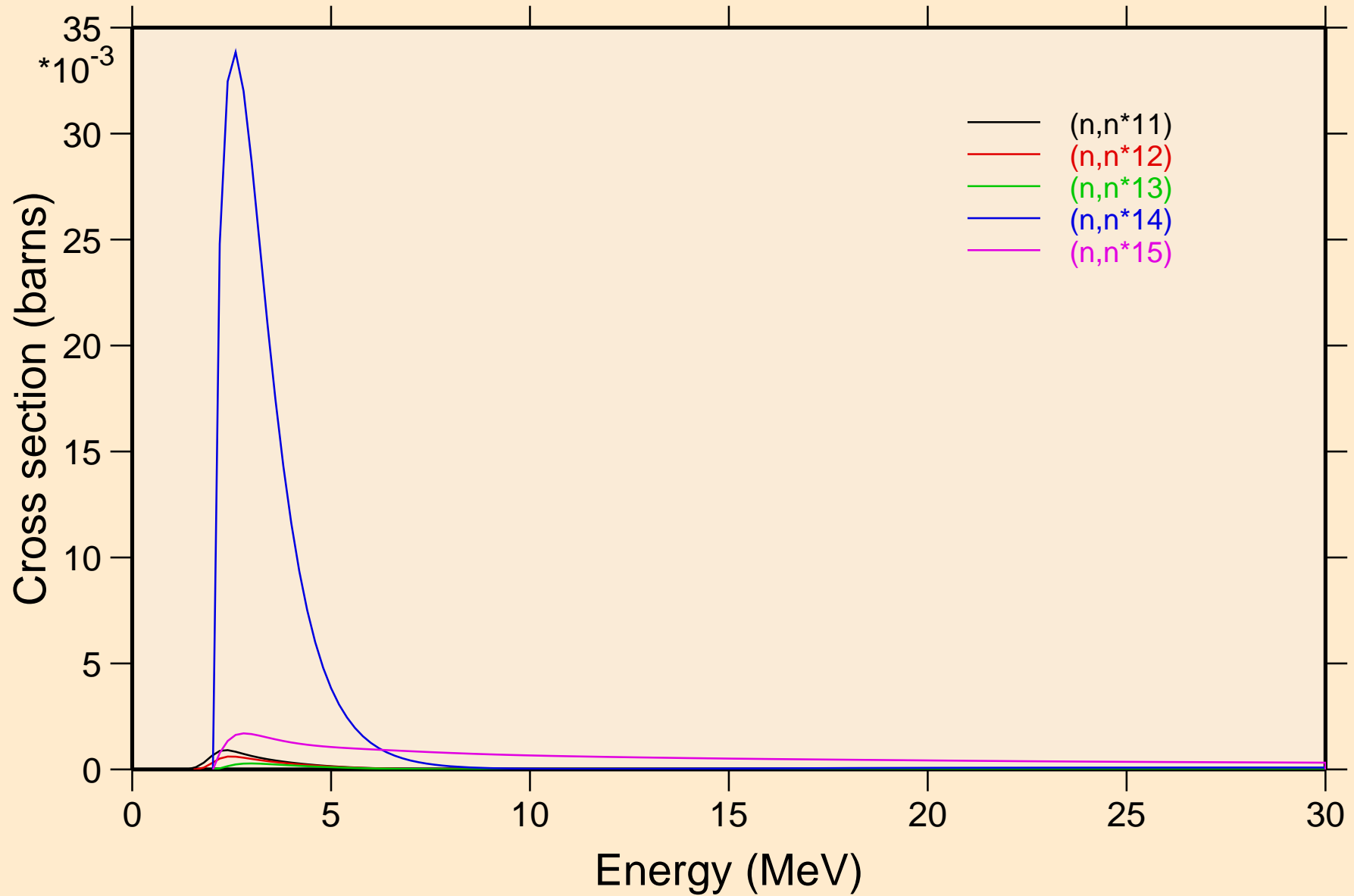
CU070 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



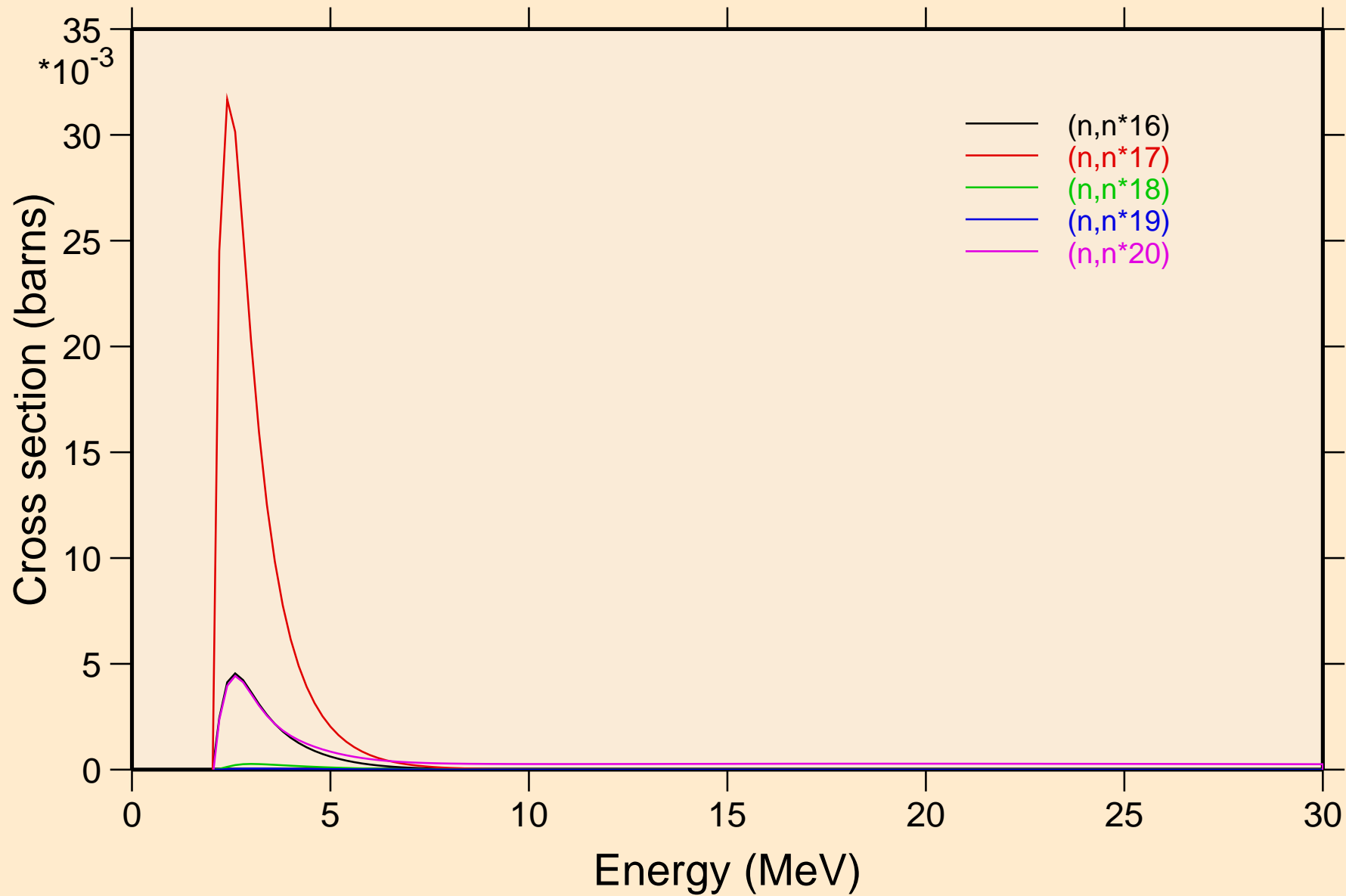
CU070 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



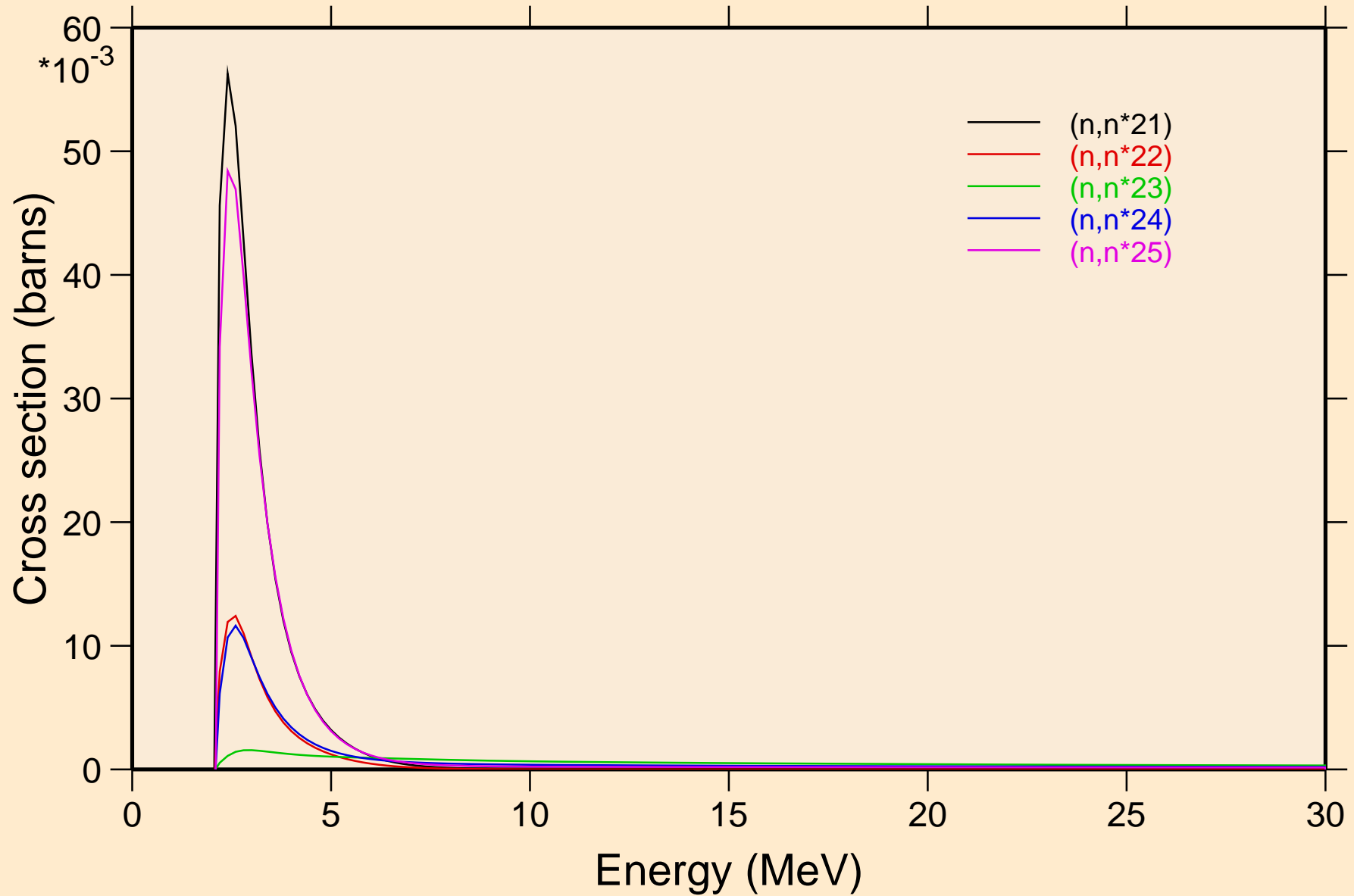
CU070 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



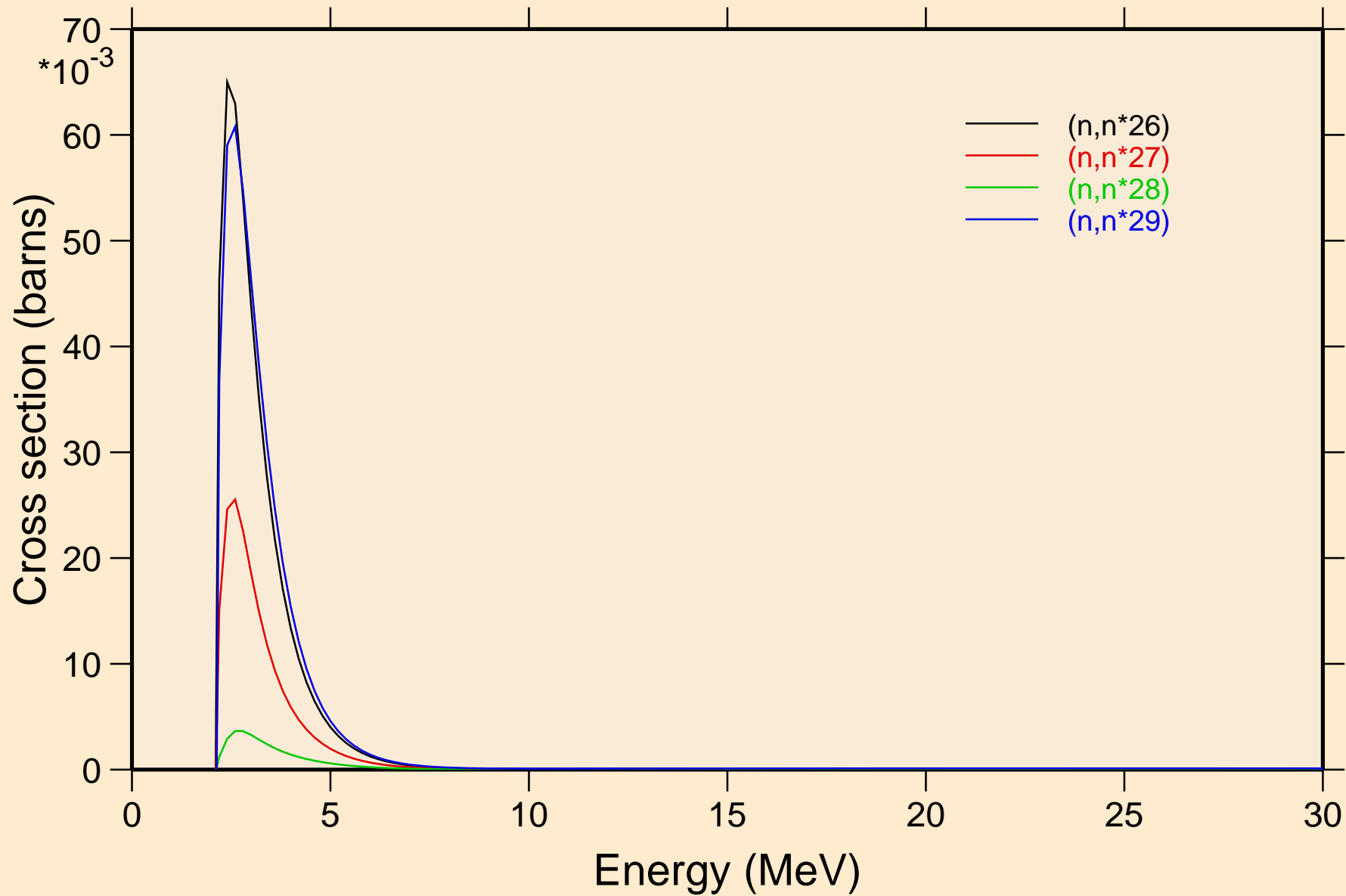
CU070 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



CU070 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

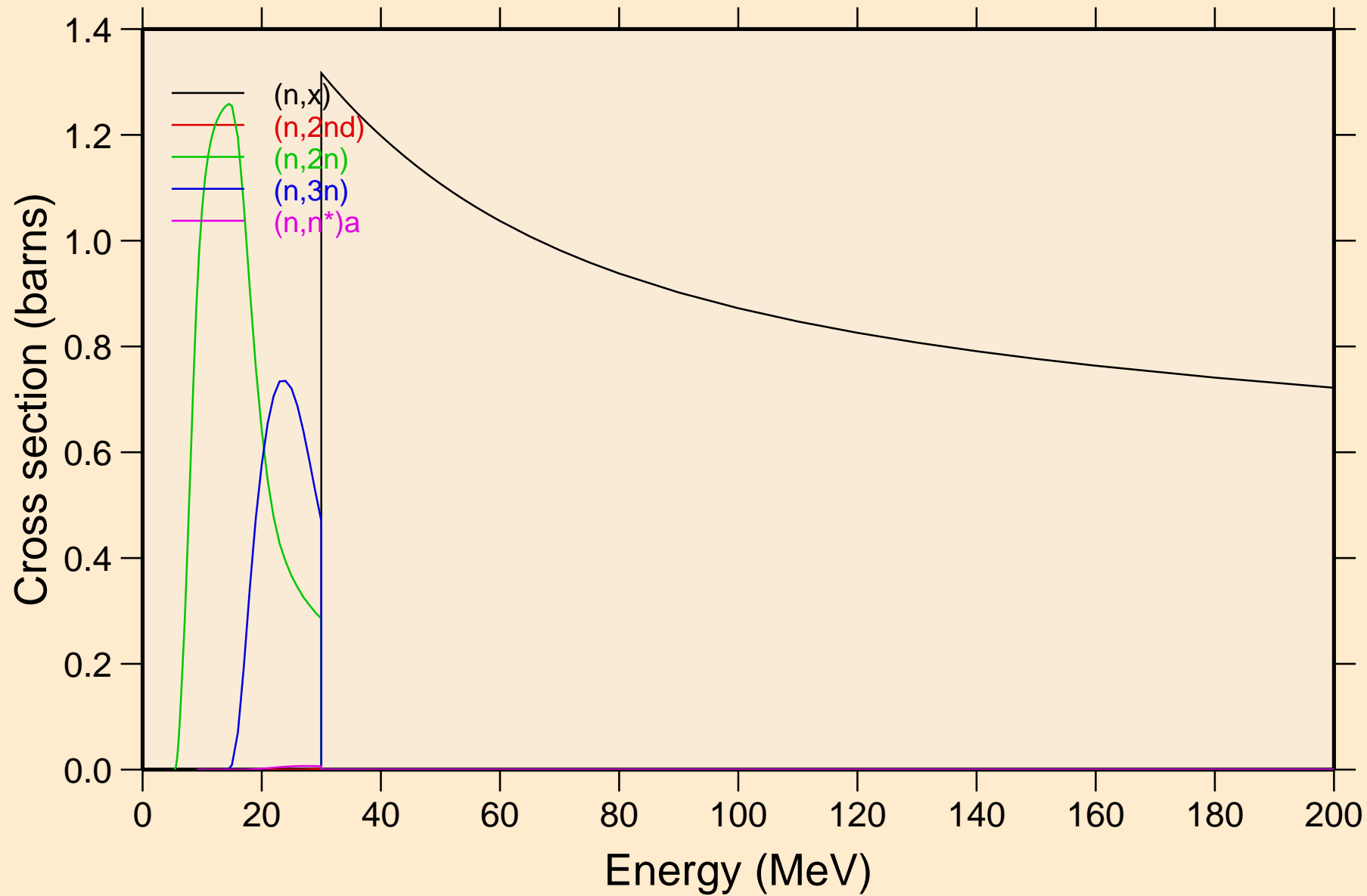


CU070 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



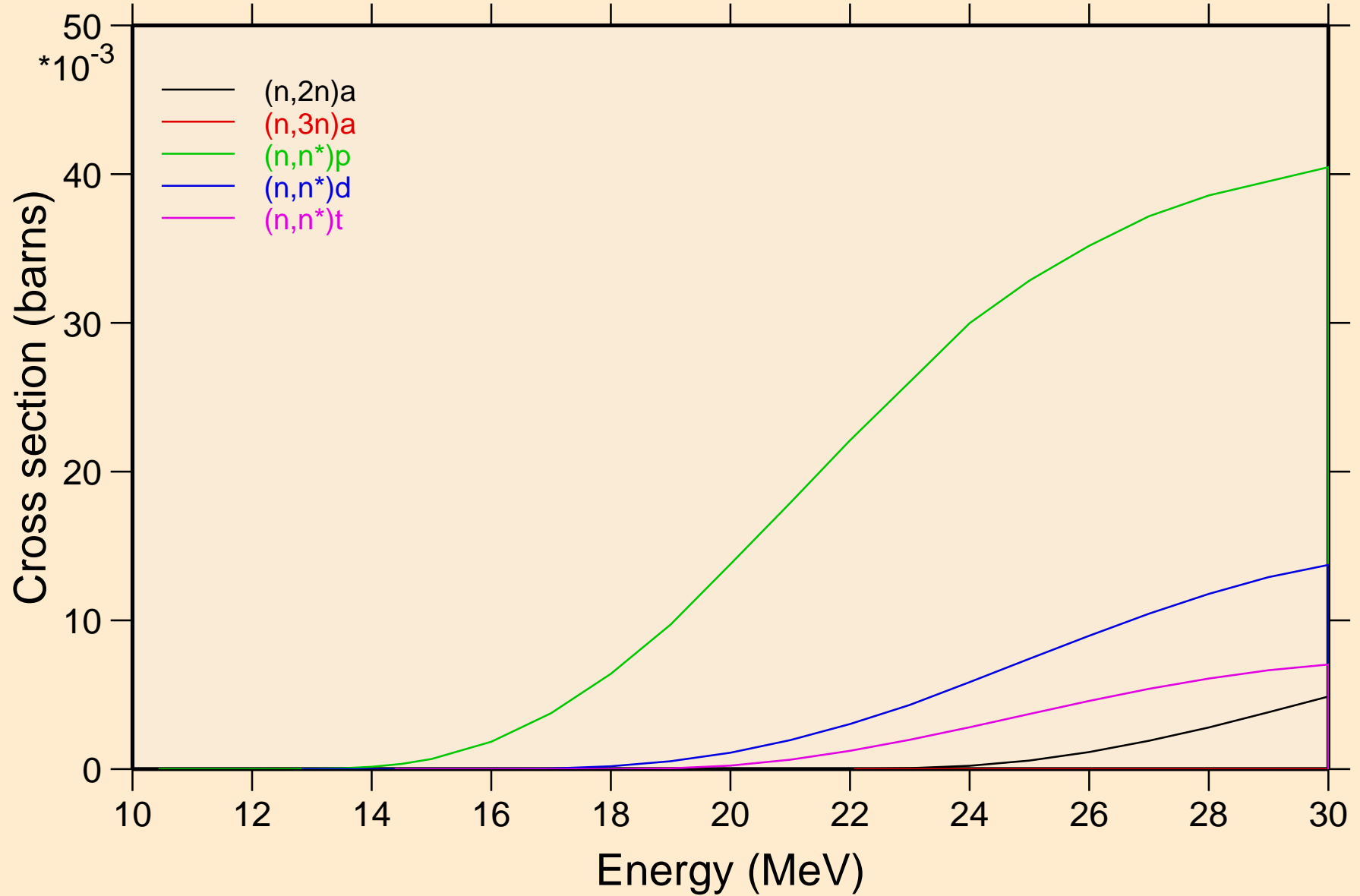
# CU070 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



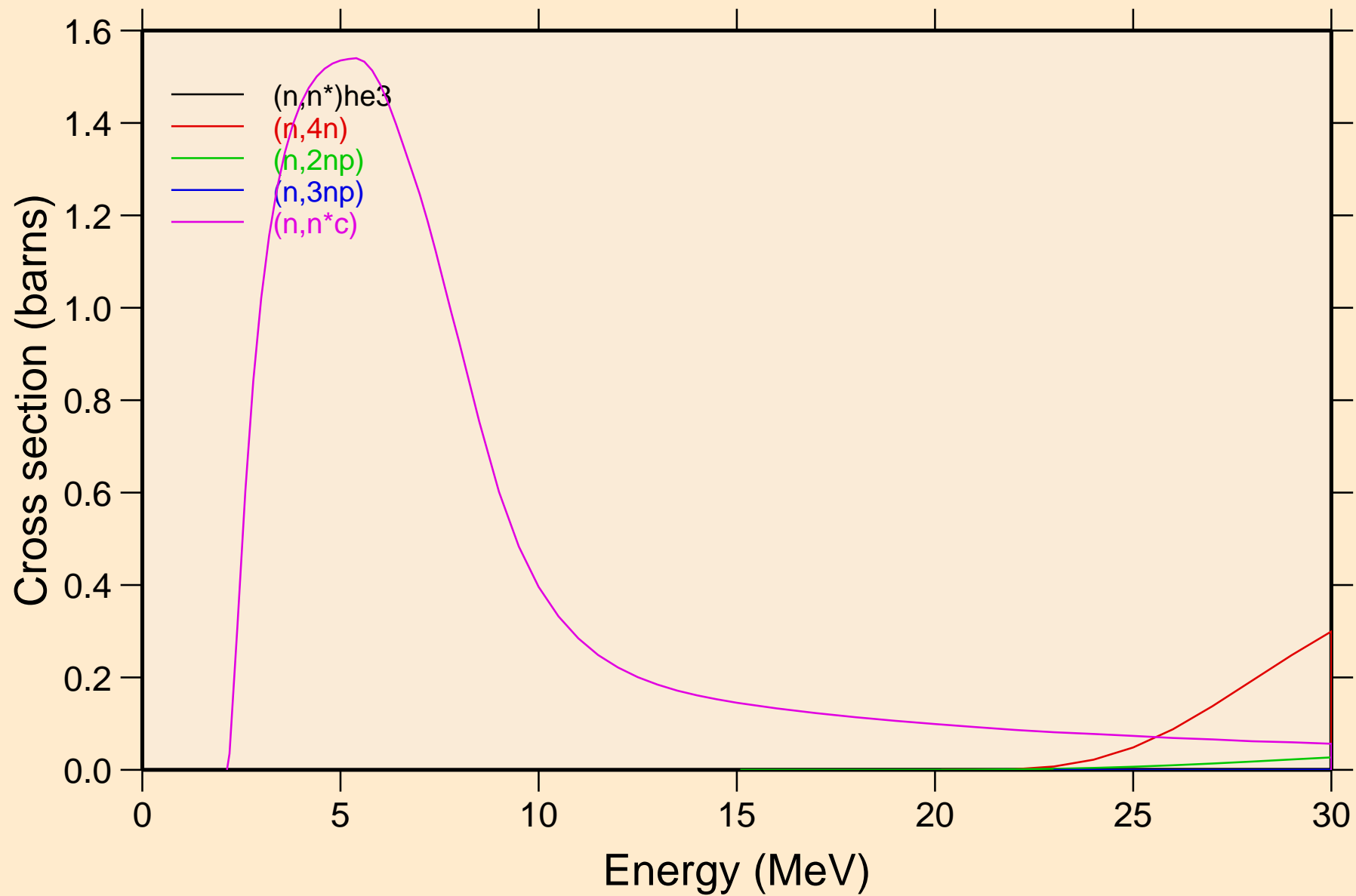
# CU070 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



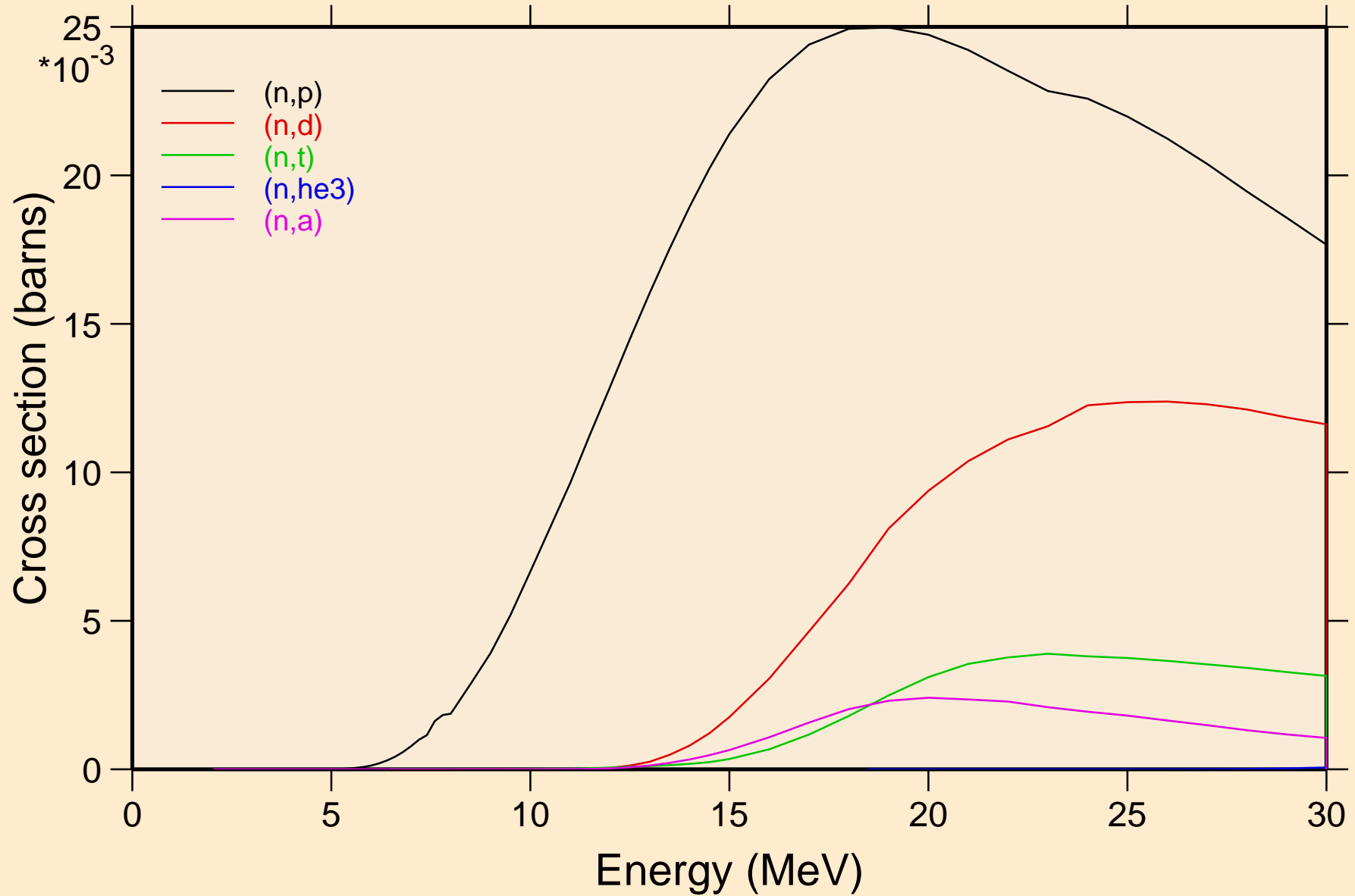


CU070 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

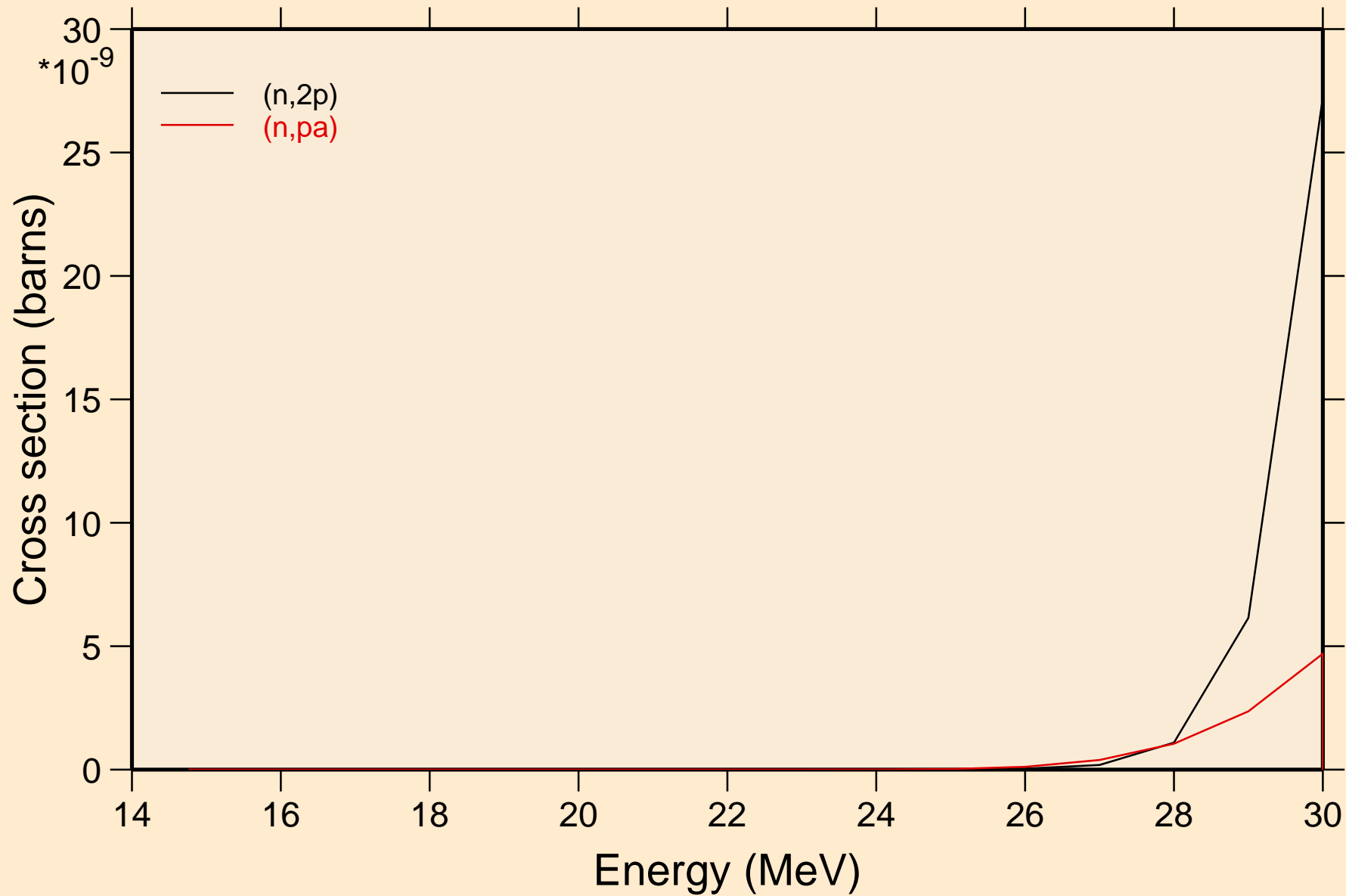


# CU070 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions

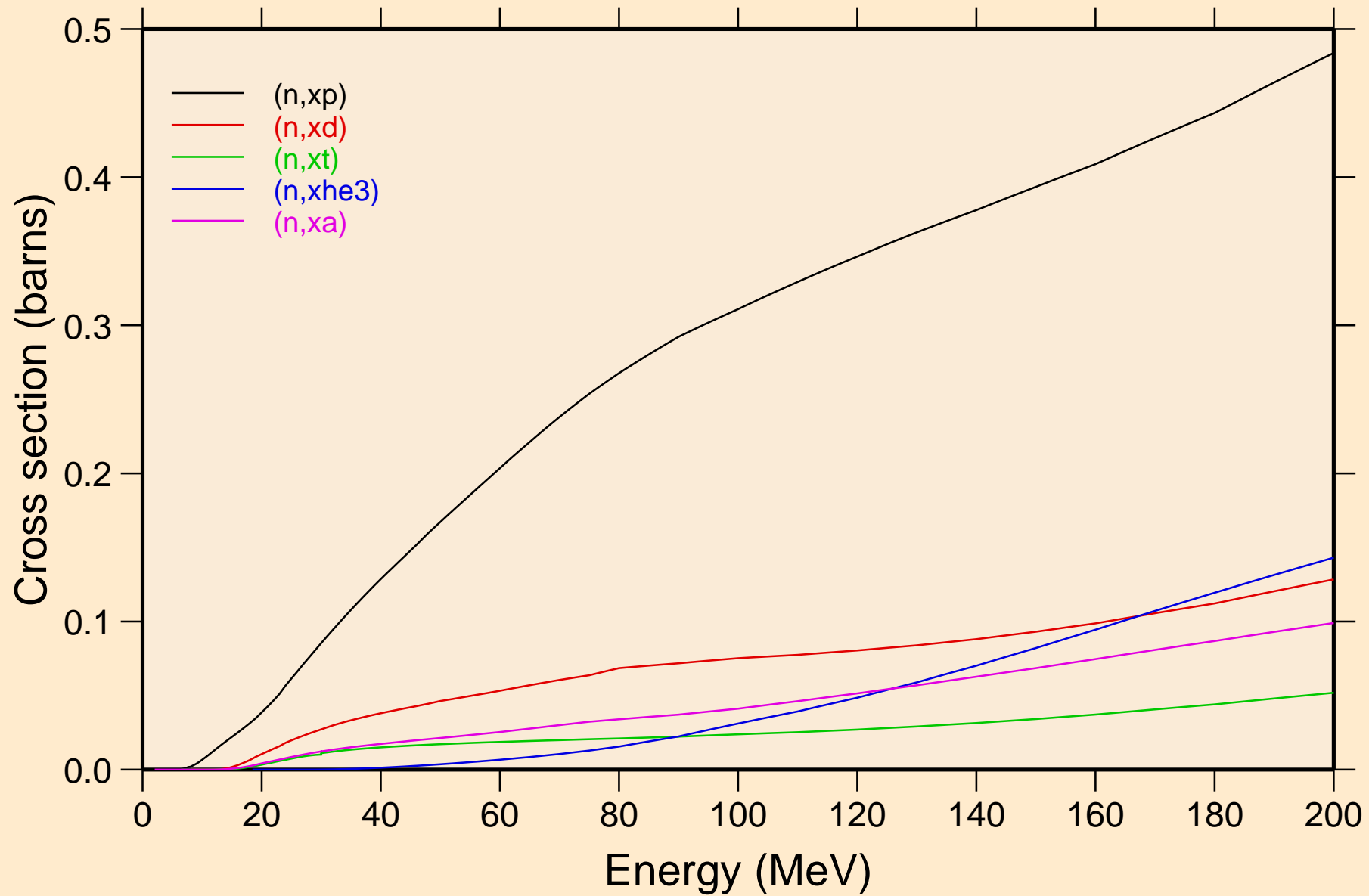


CU070 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

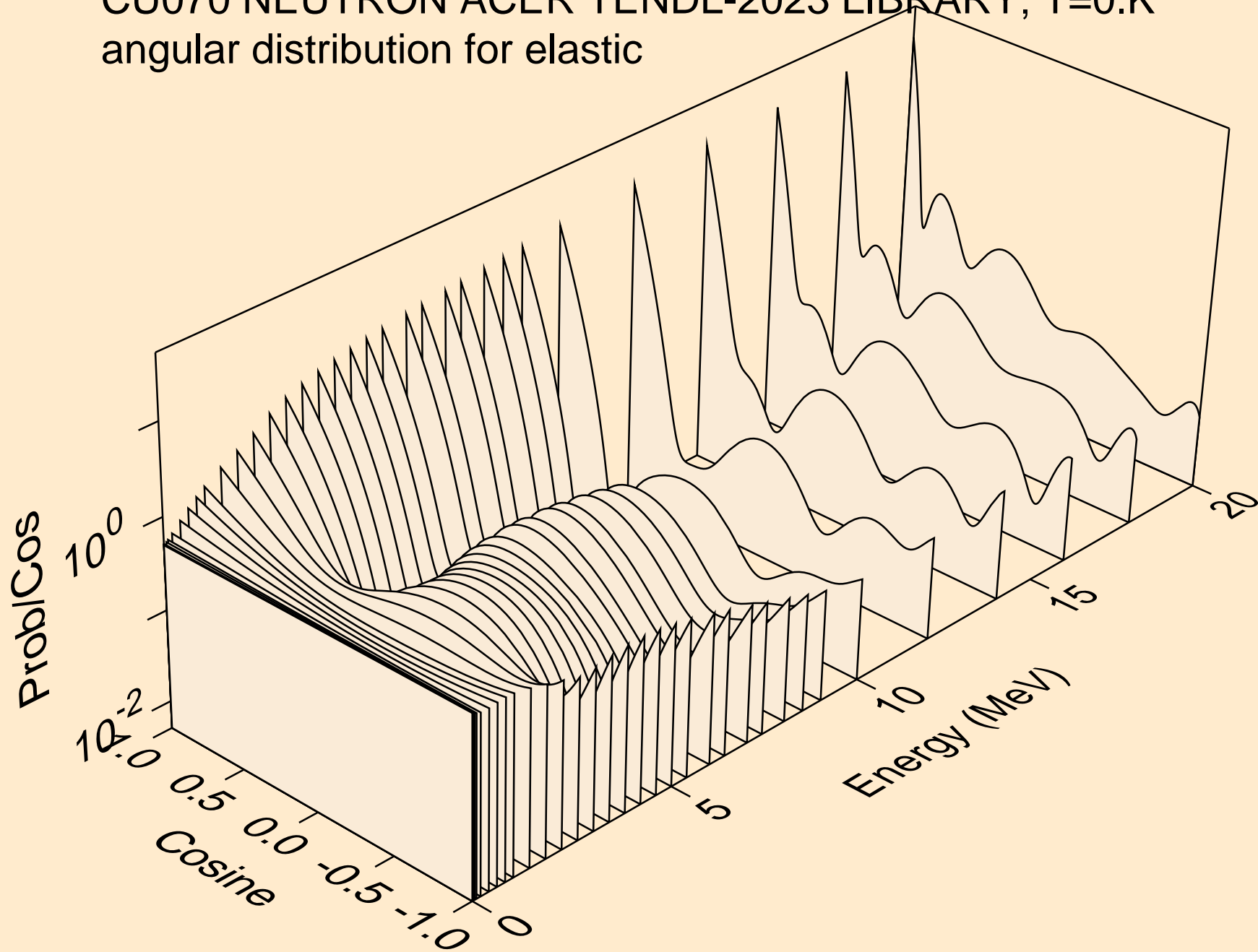


# CU070 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

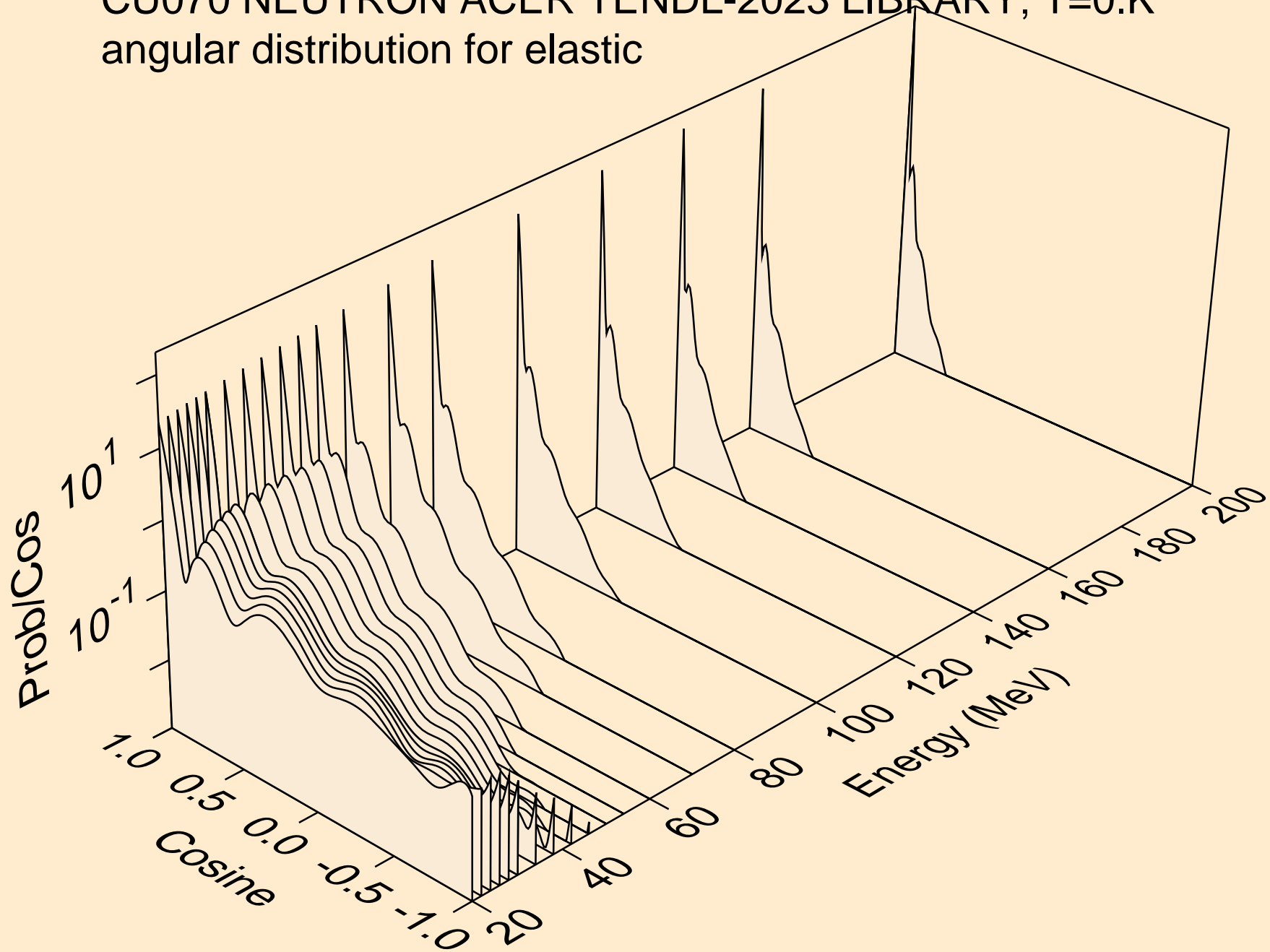
## Threshold reactions



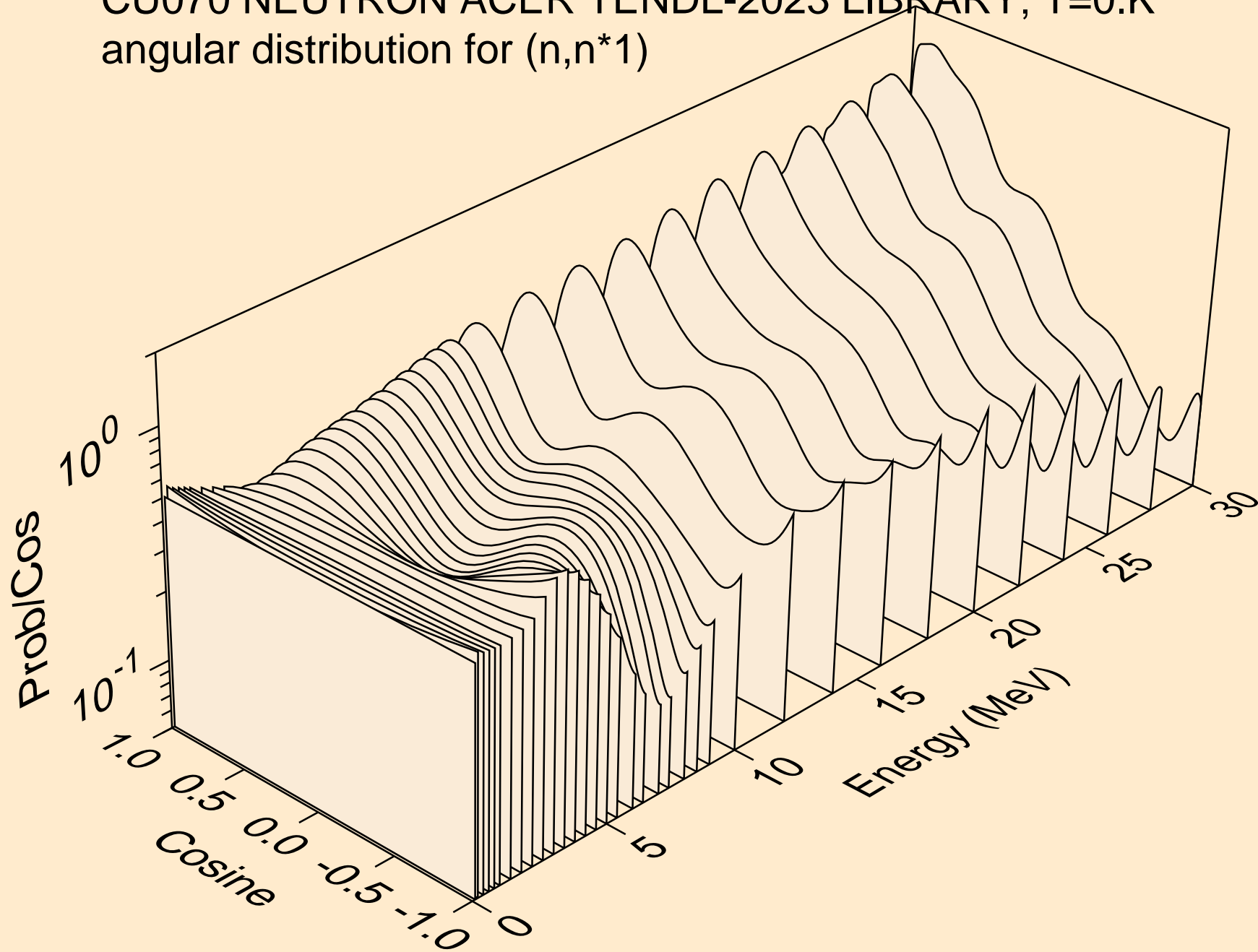
CU070 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



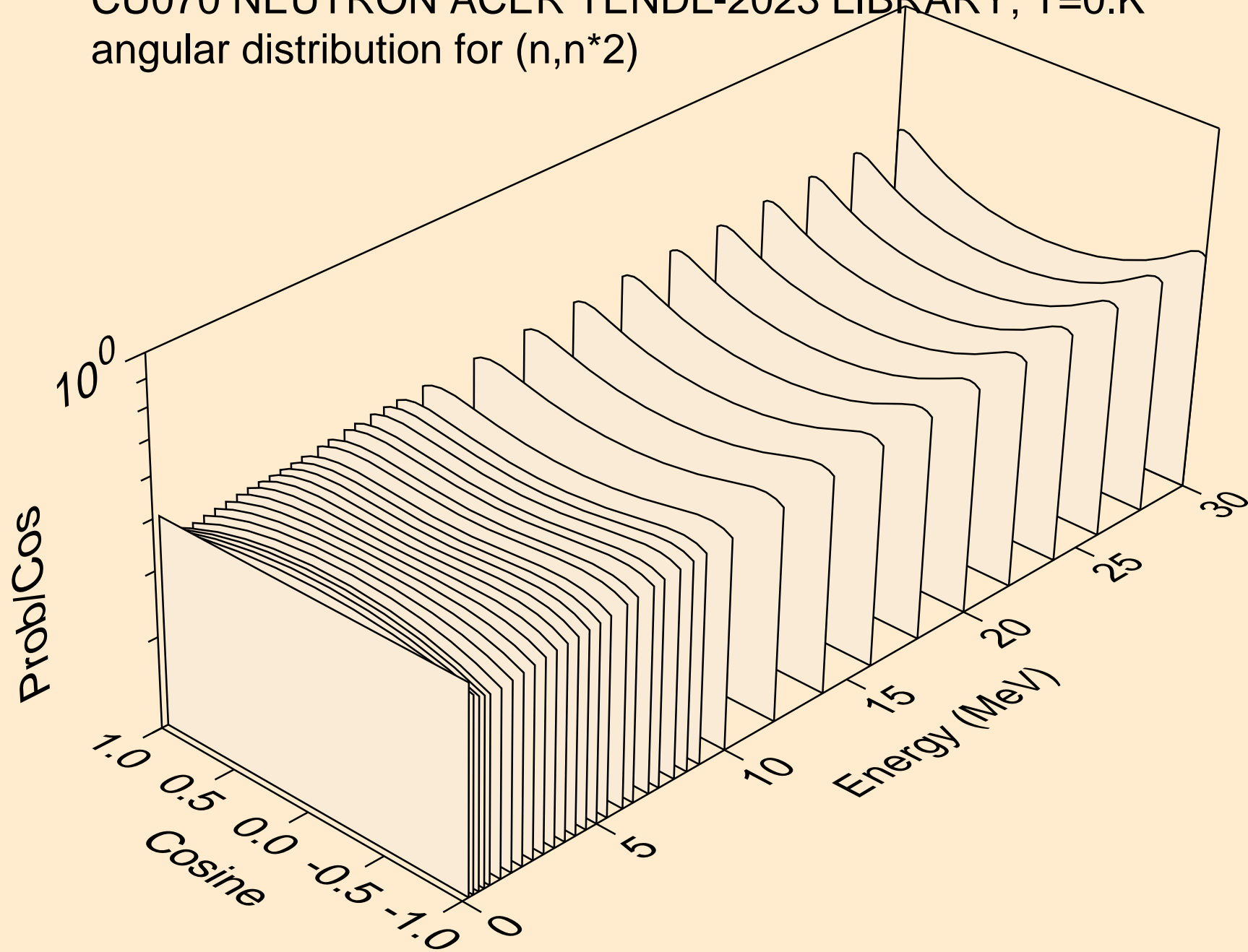
CU070 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



CU070 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*1)

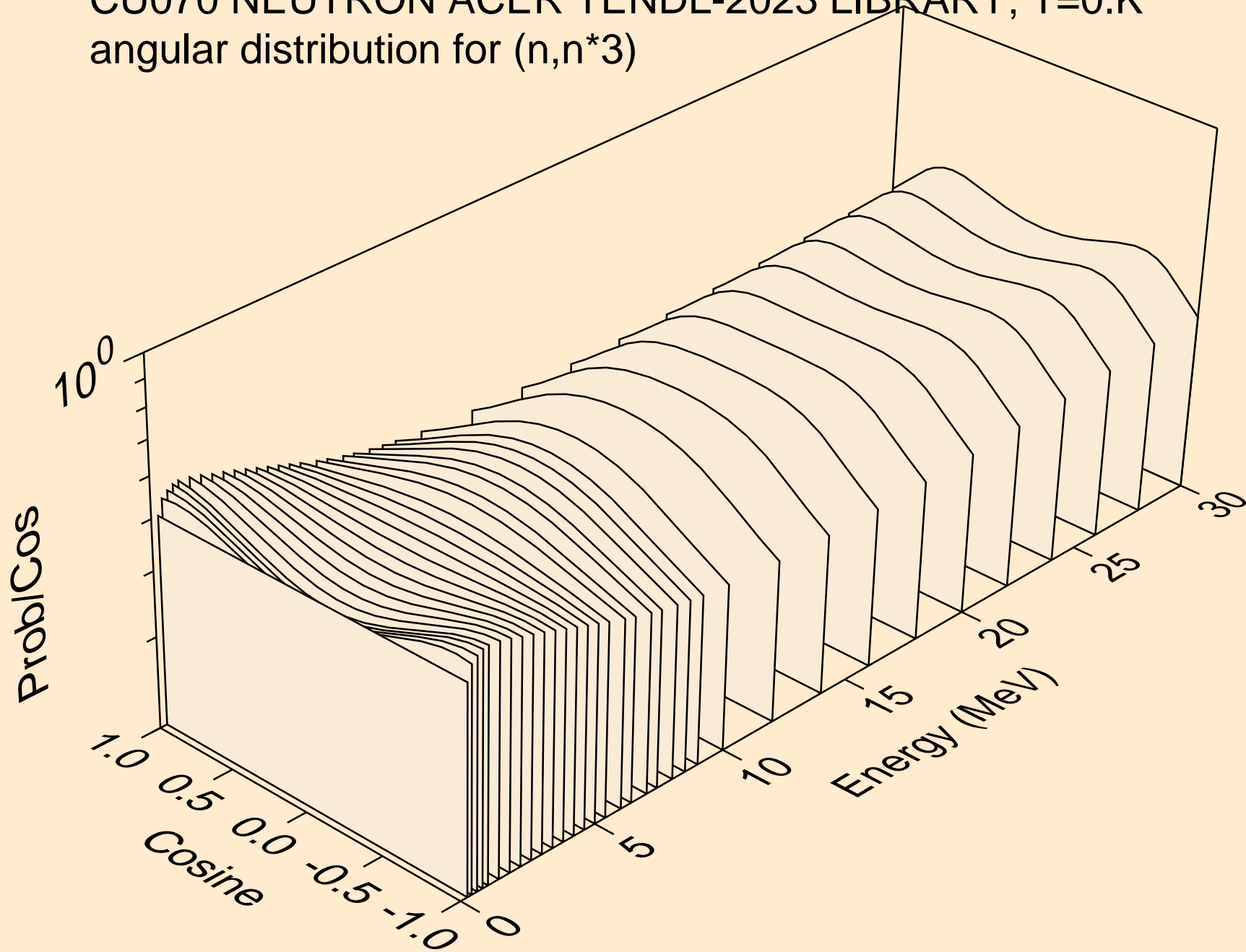


CU070 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*2)

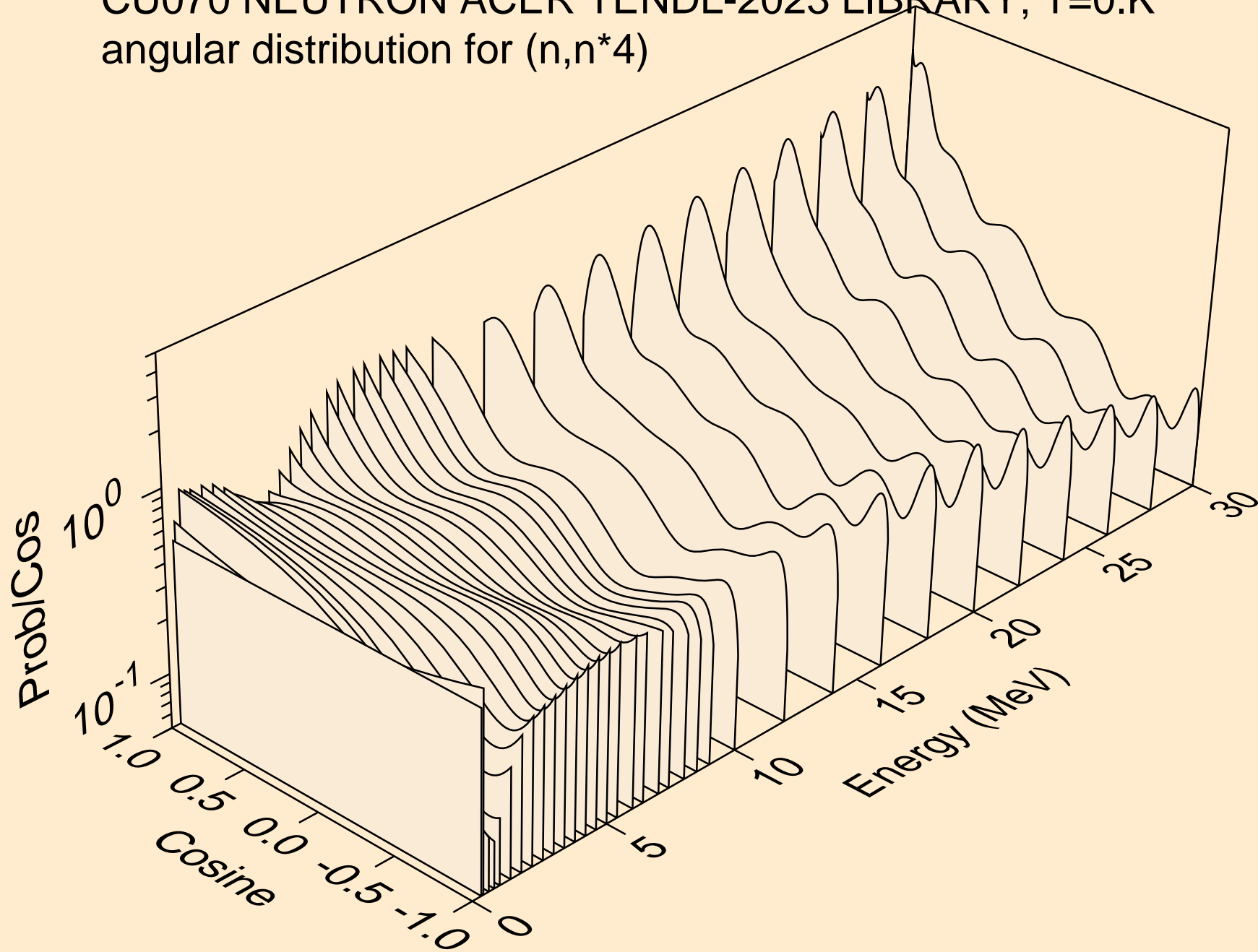




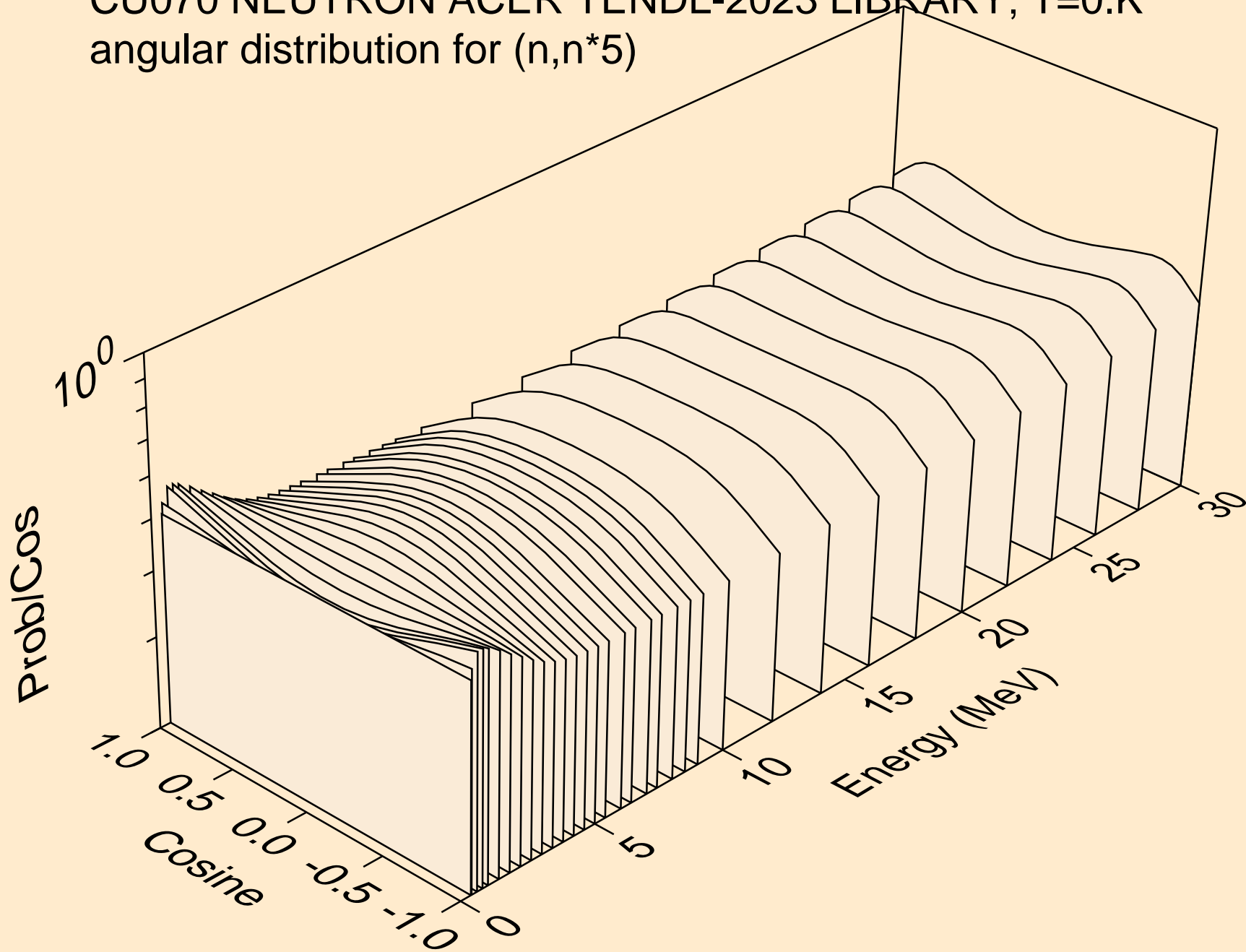
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angular distribution for (n,n\*3)



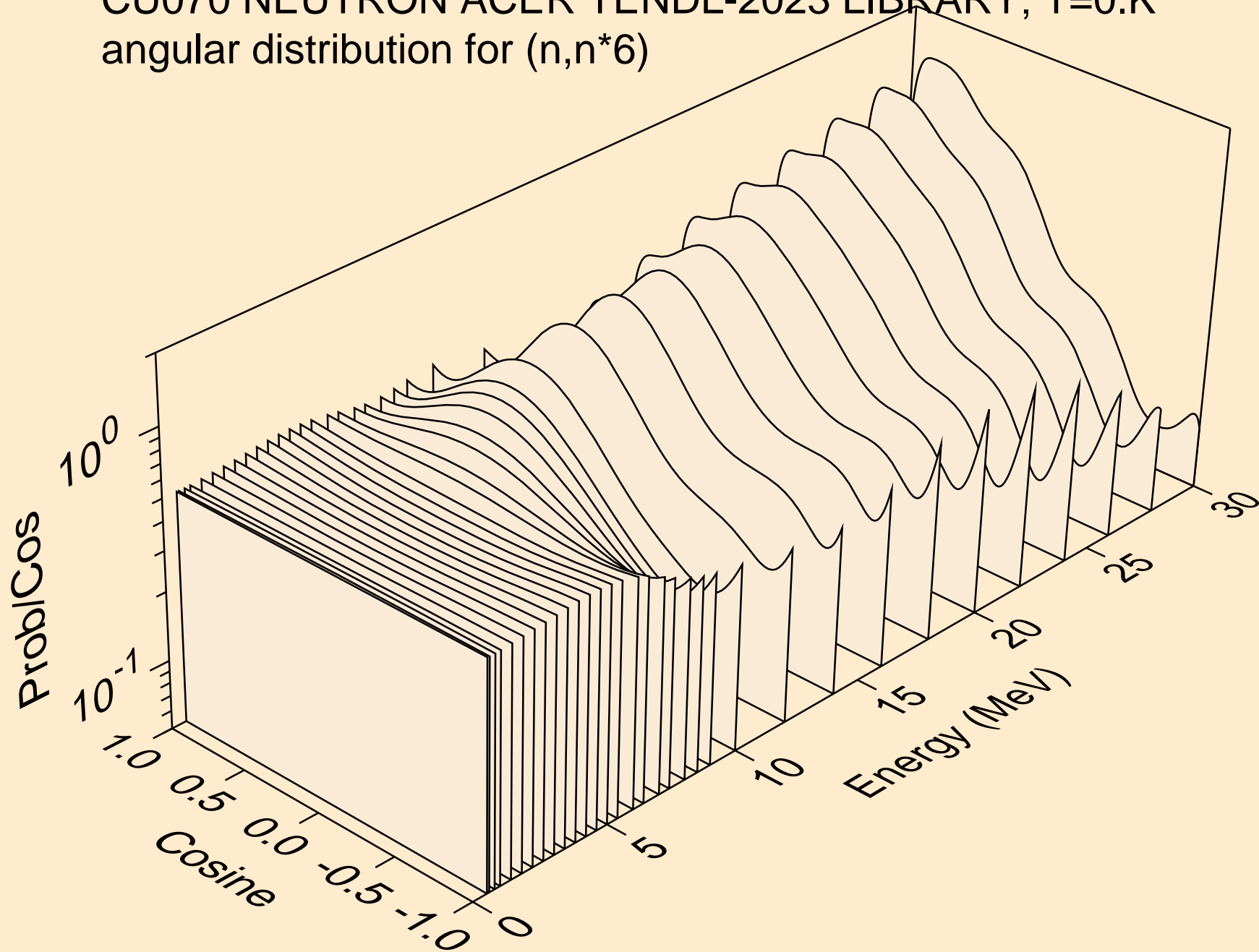
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angular distribution for (n,n\*4)



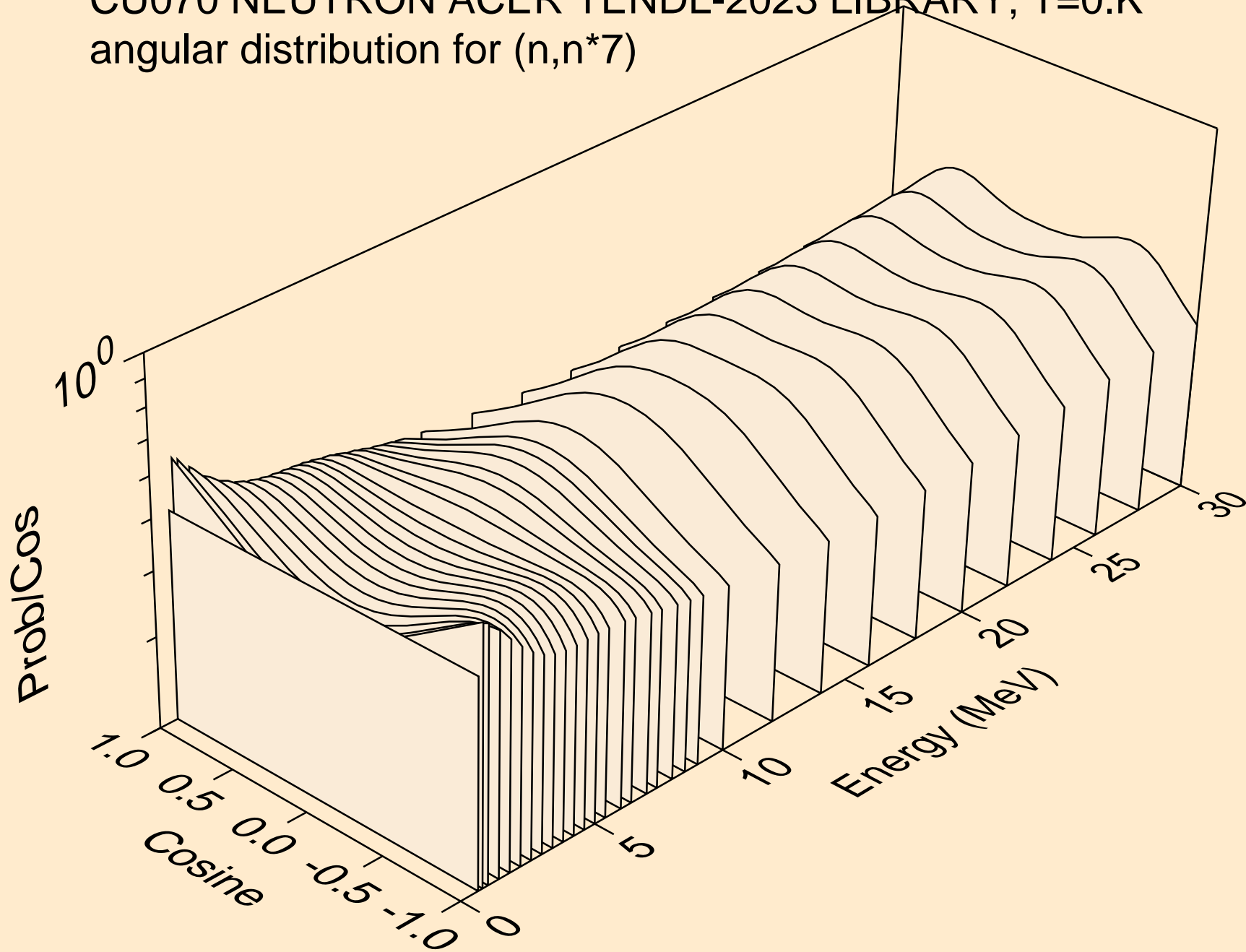
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angular distribution for (n,n\*5)



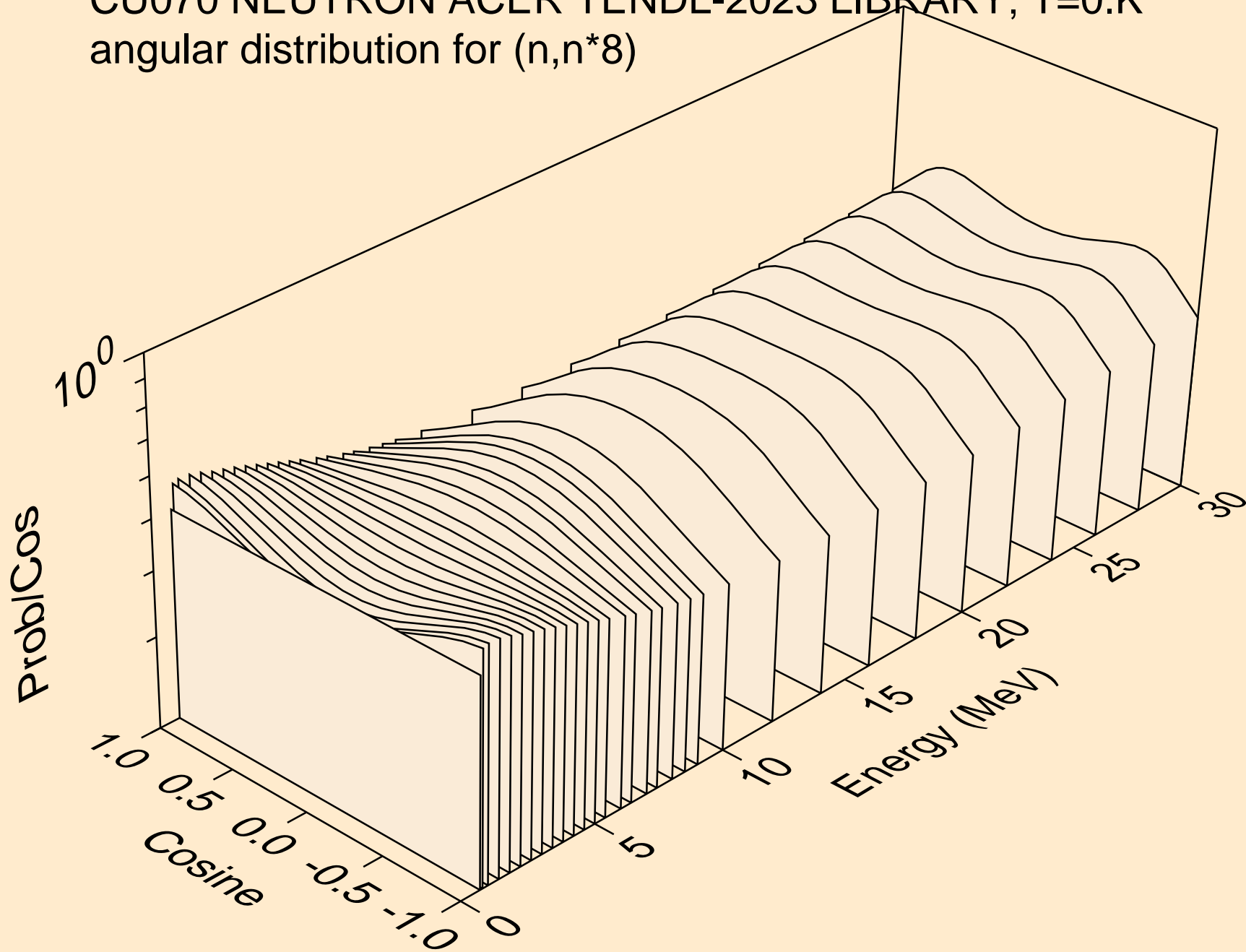
CU070 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*6)



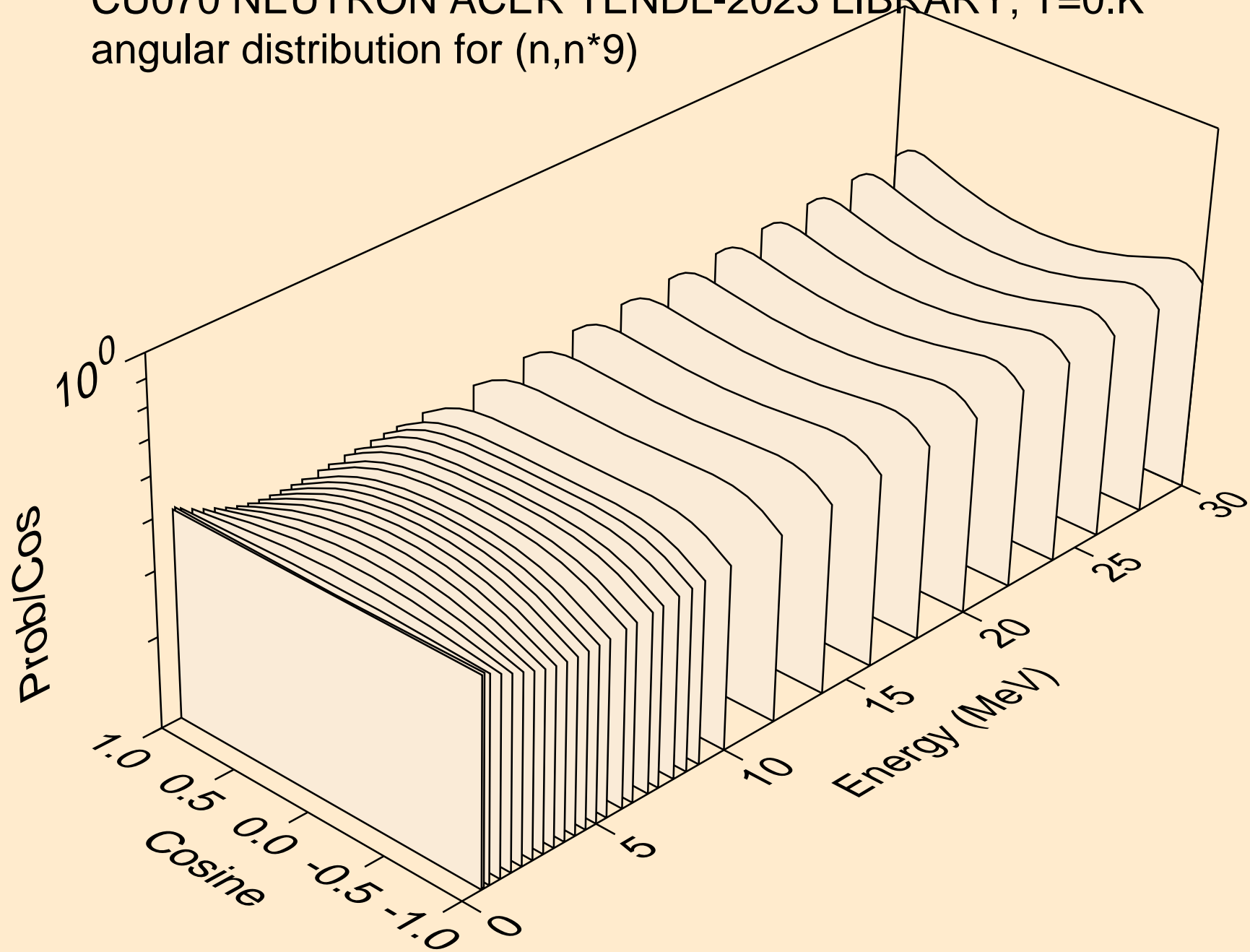
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angular distribution for (n,n\*7)



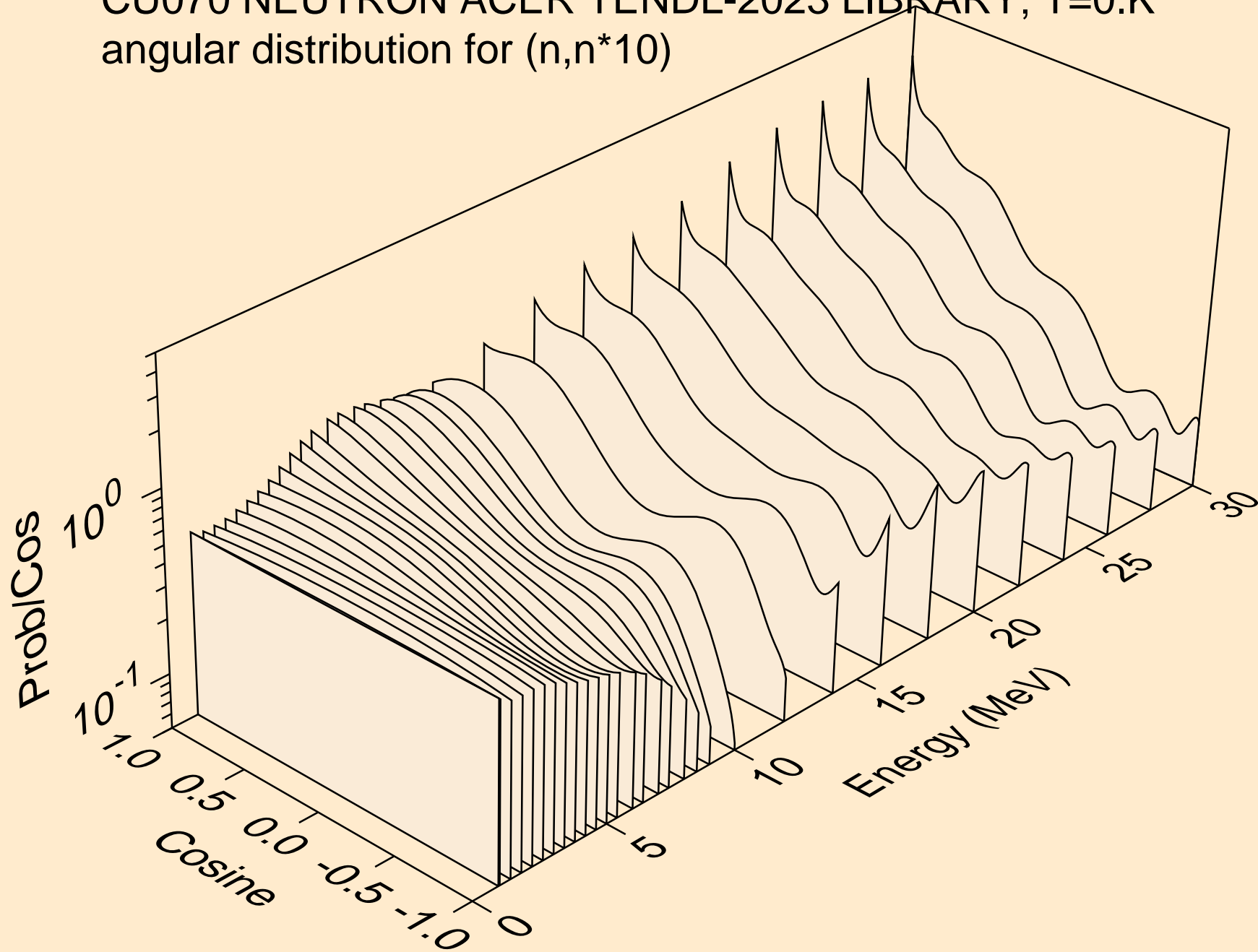
CU070 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*8)



CU070 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*9)

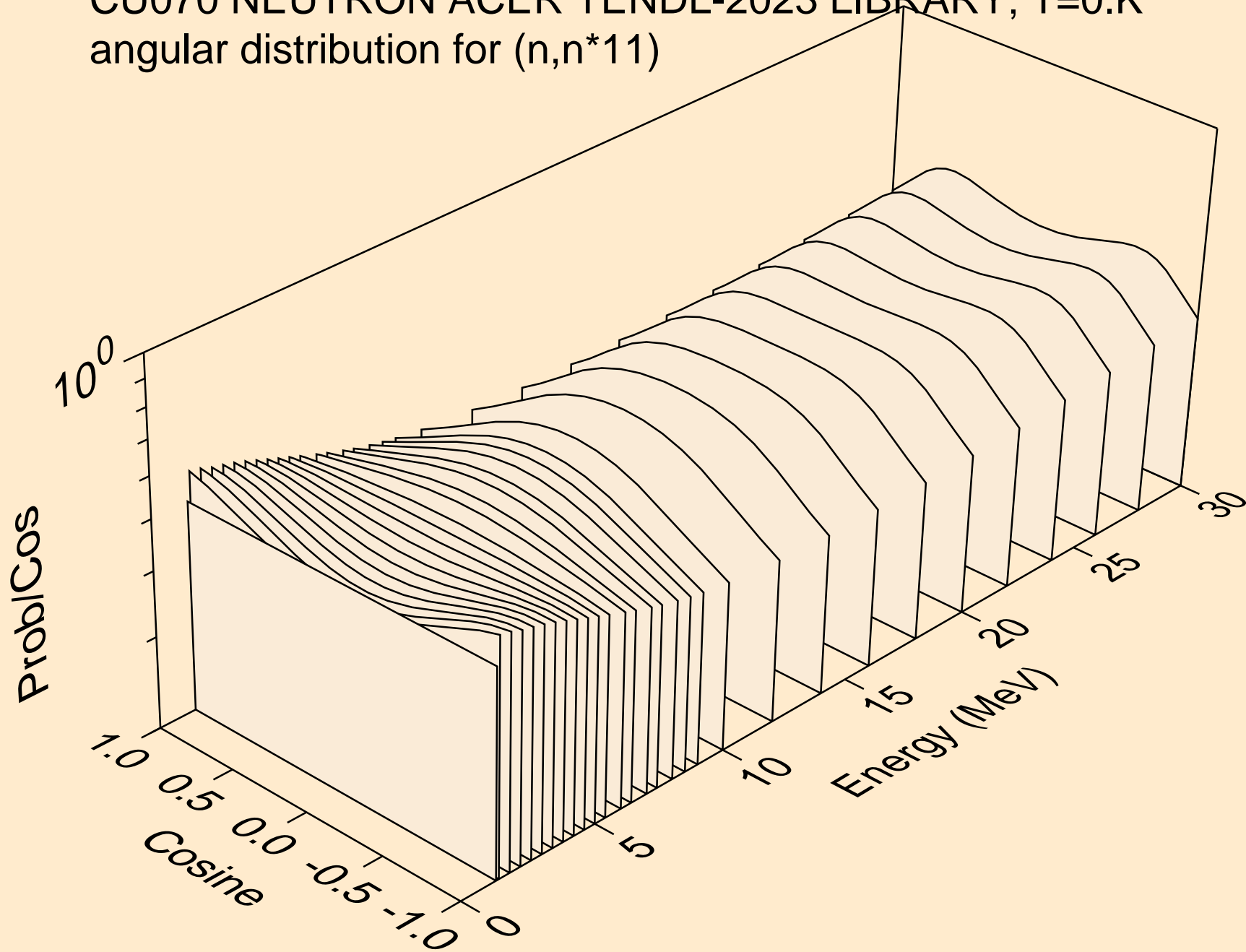


CU070 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*10)

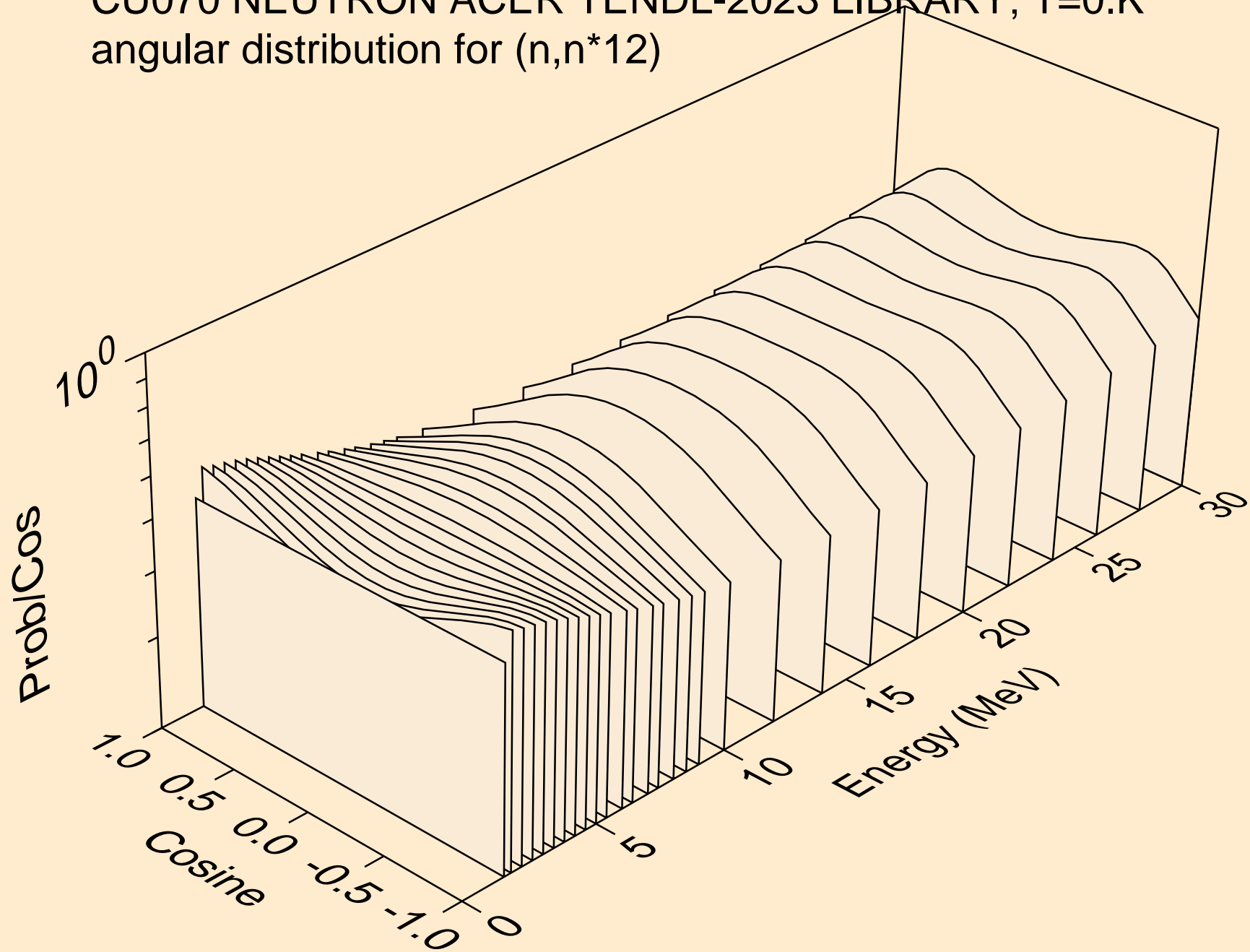




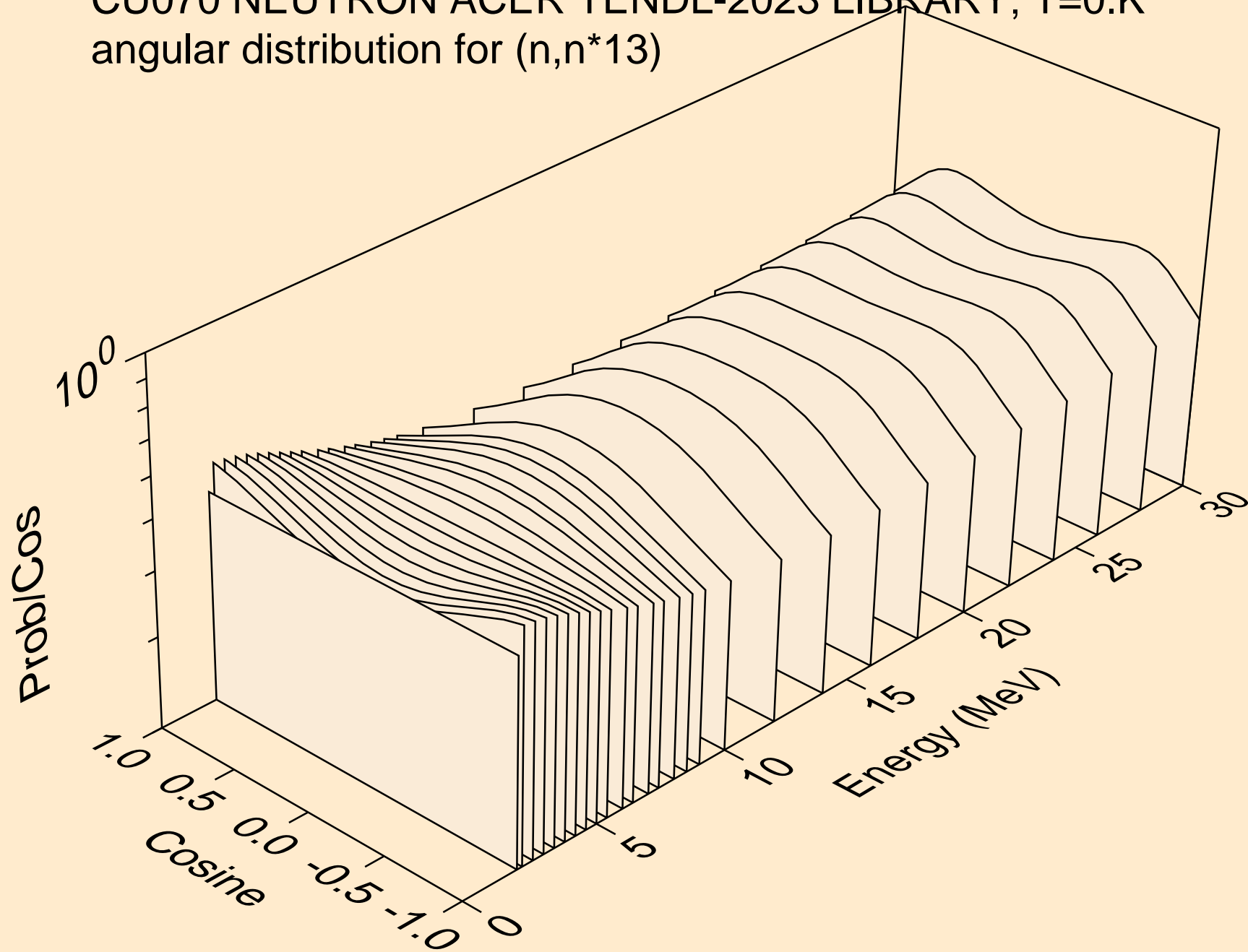
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angular distribution for (n,n\*11)



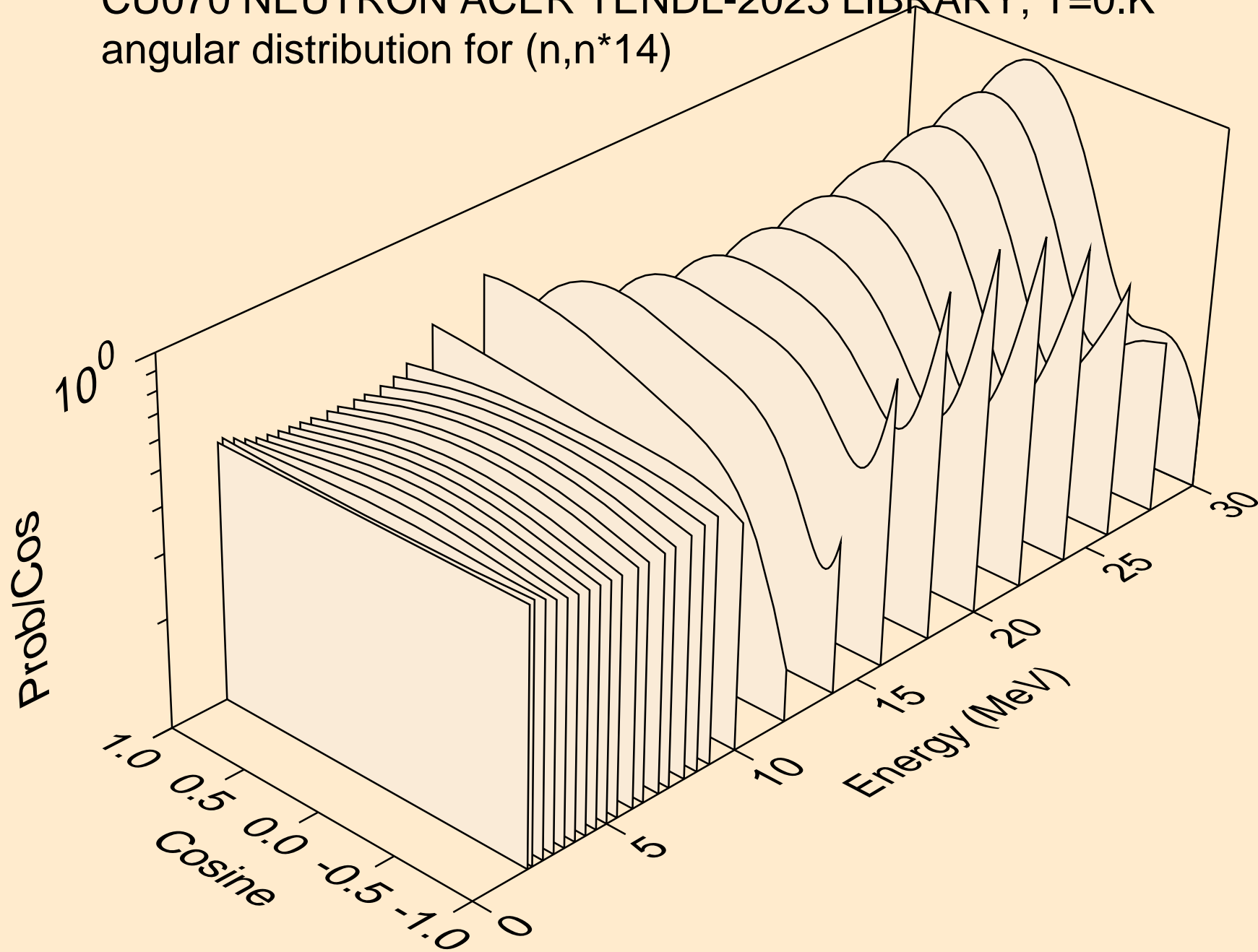
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angular distribution for (n,n\*12)



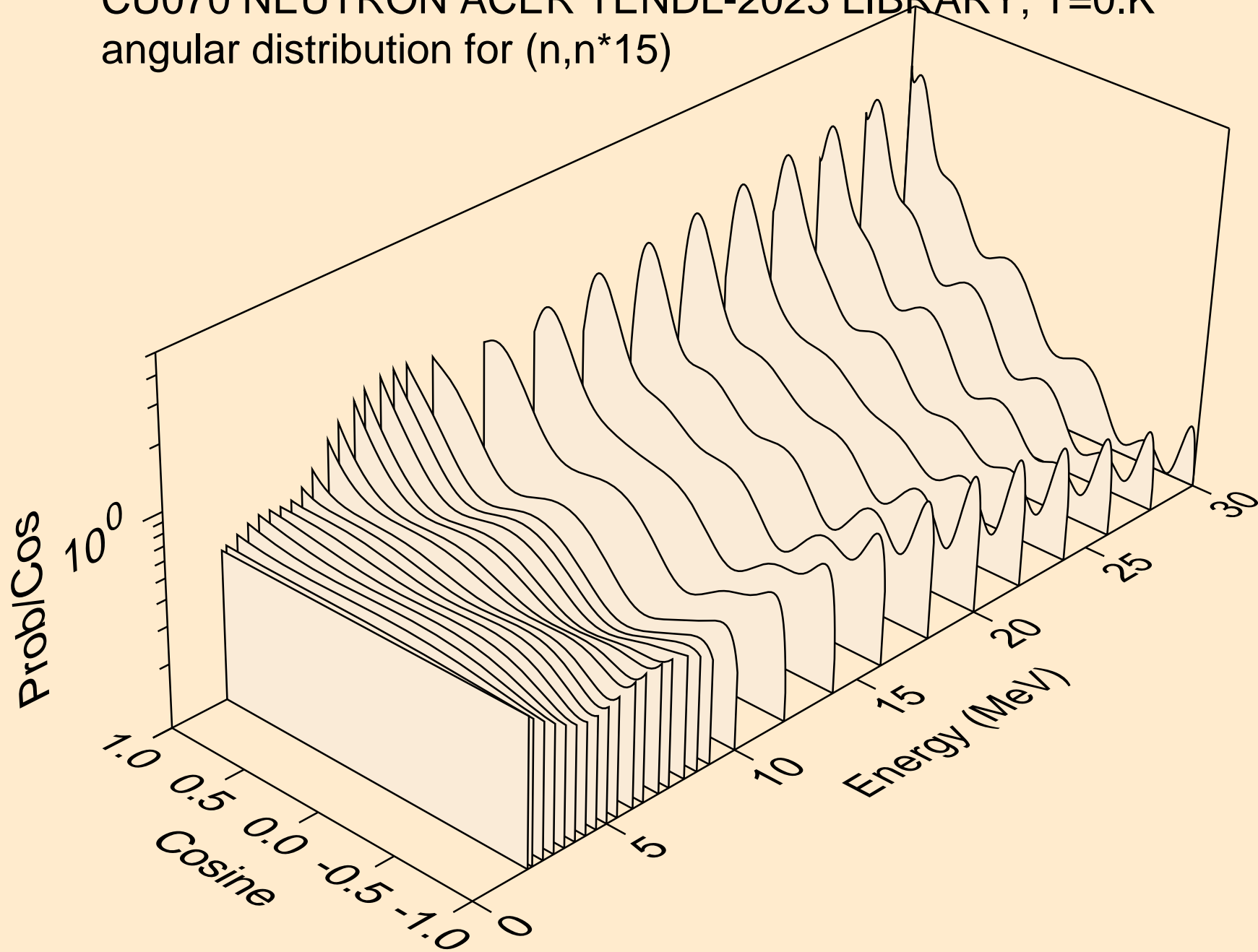
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angular distribution for (n,n\*13)



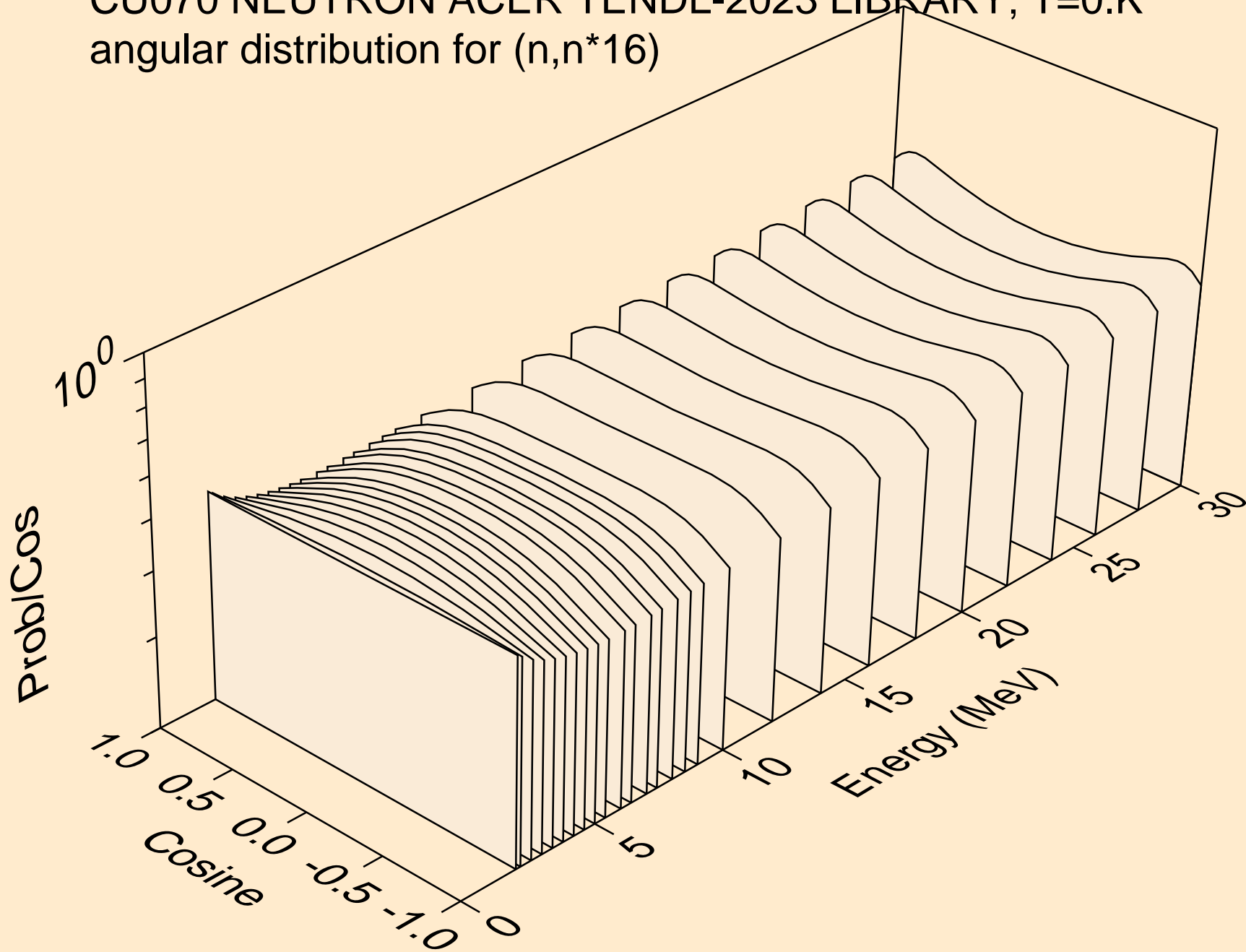
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angular distribution for (n,n\*14)



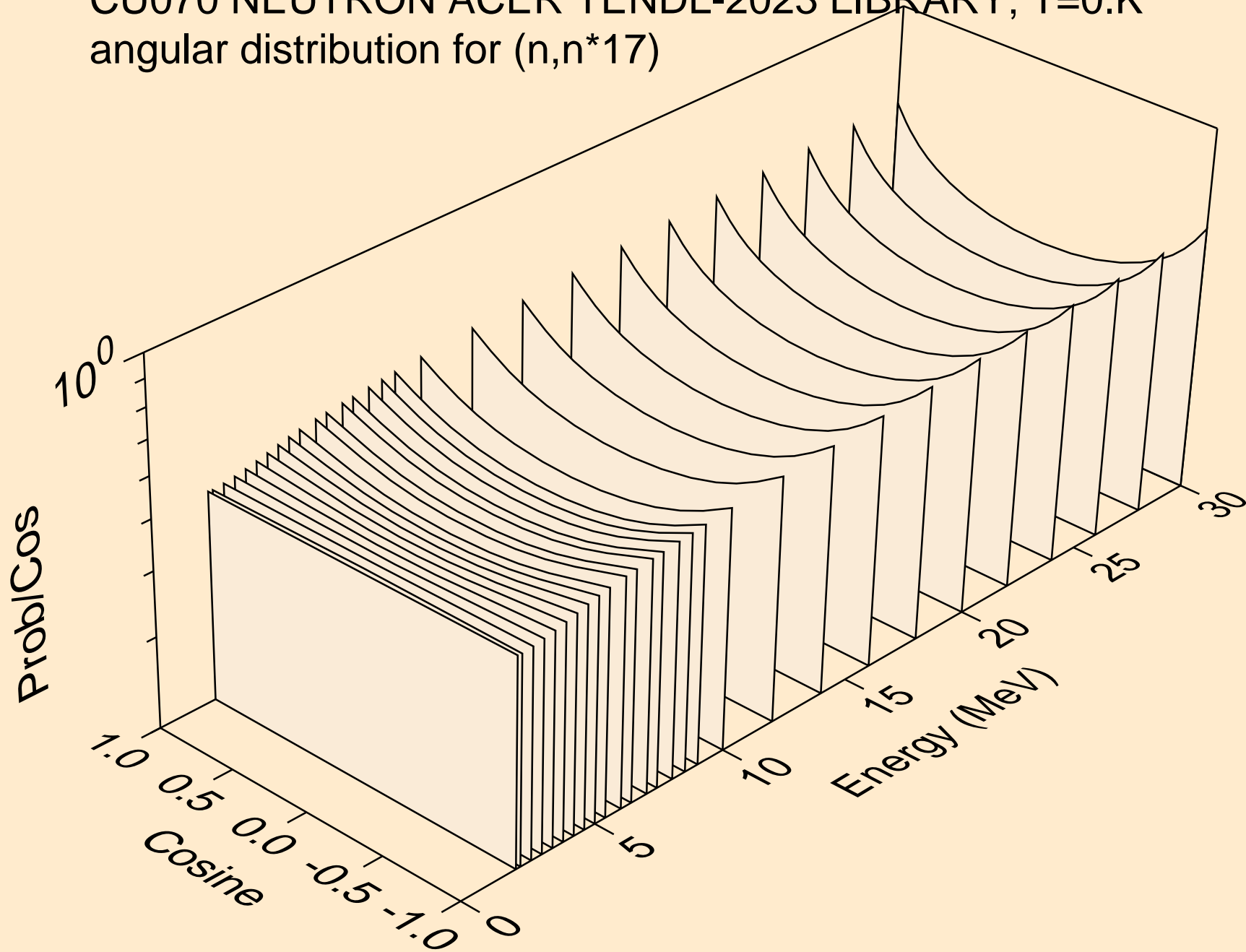
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angular distribution for (n,n\*15)



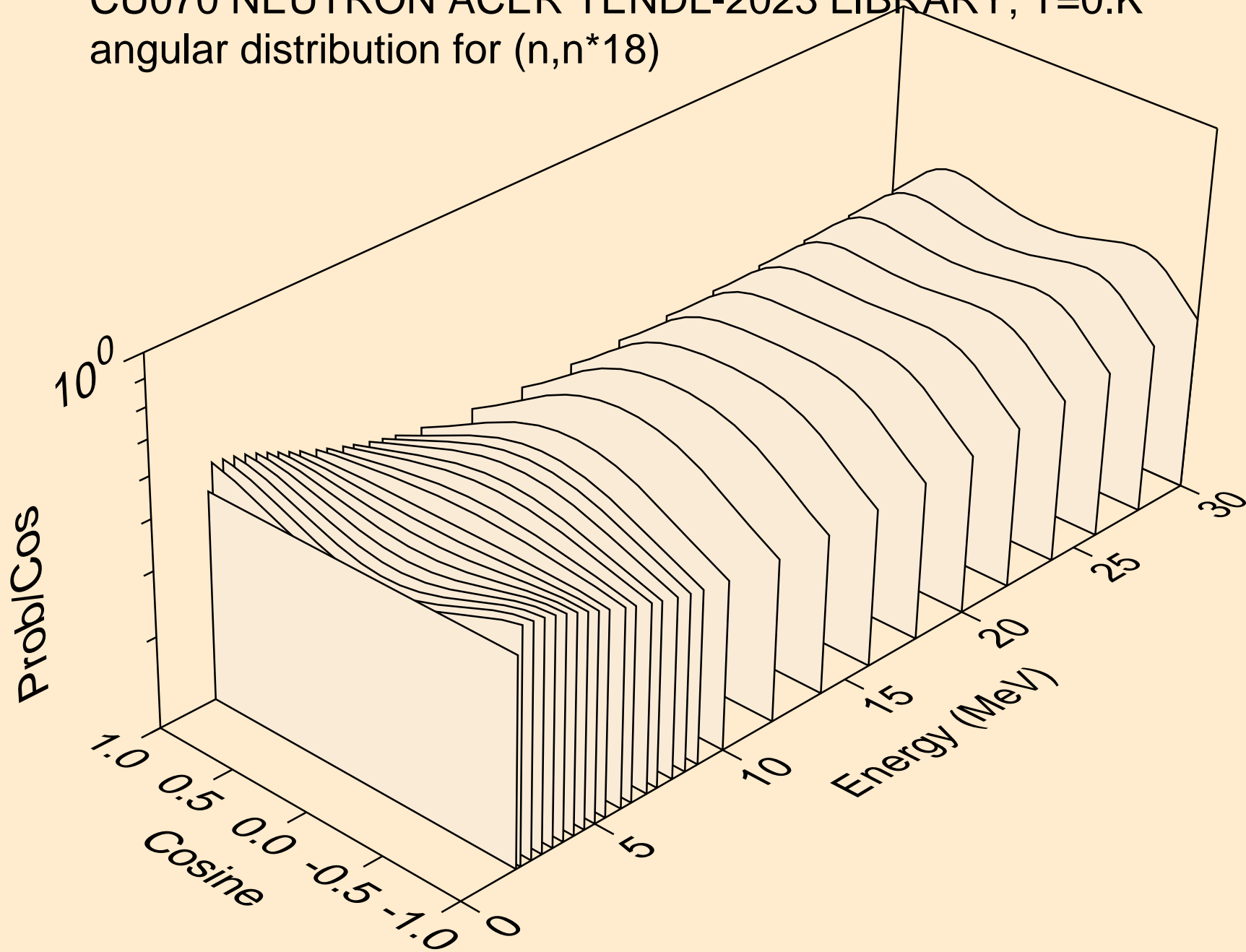
CU070 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*16)



CU070 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*17)

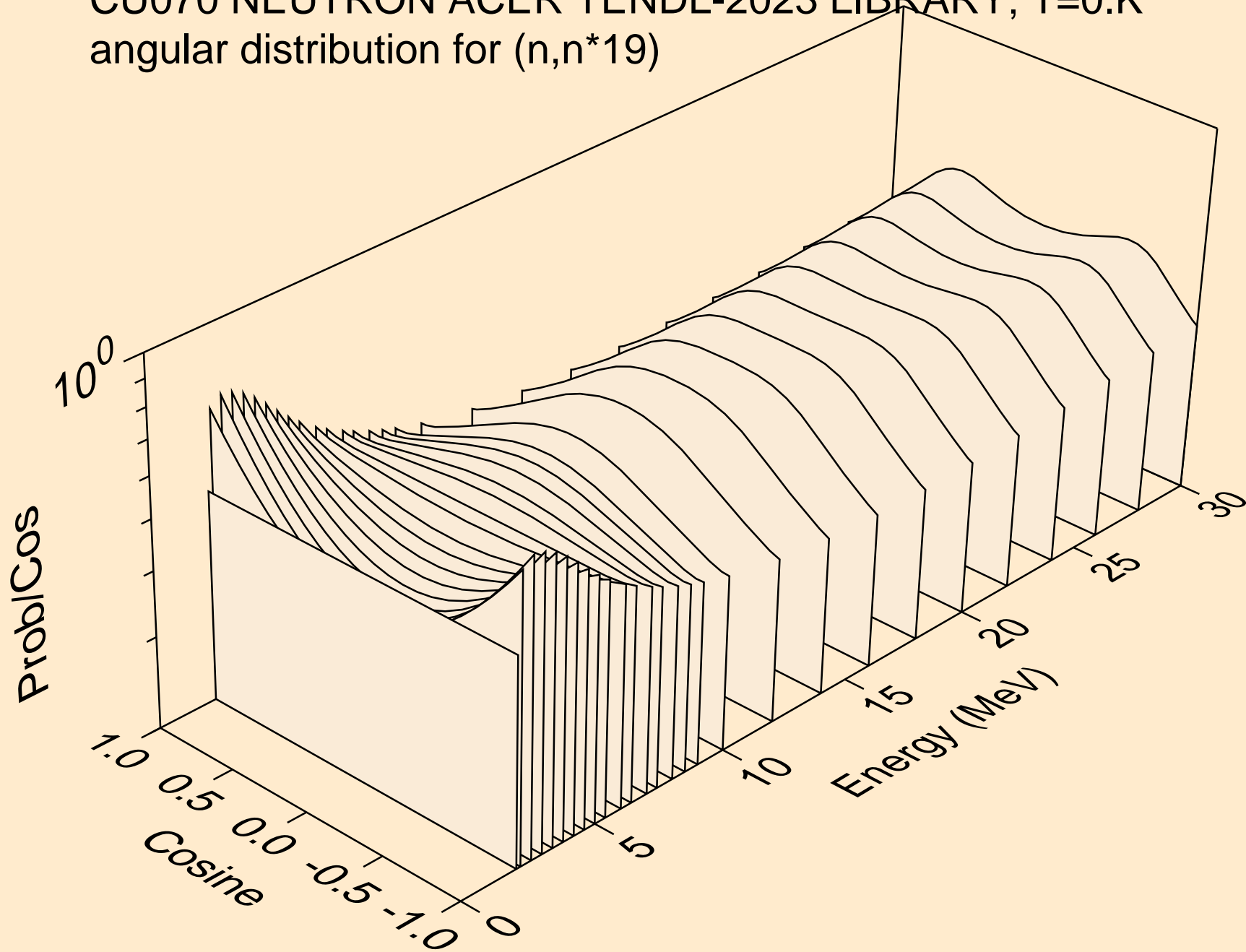


CU070 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*18)

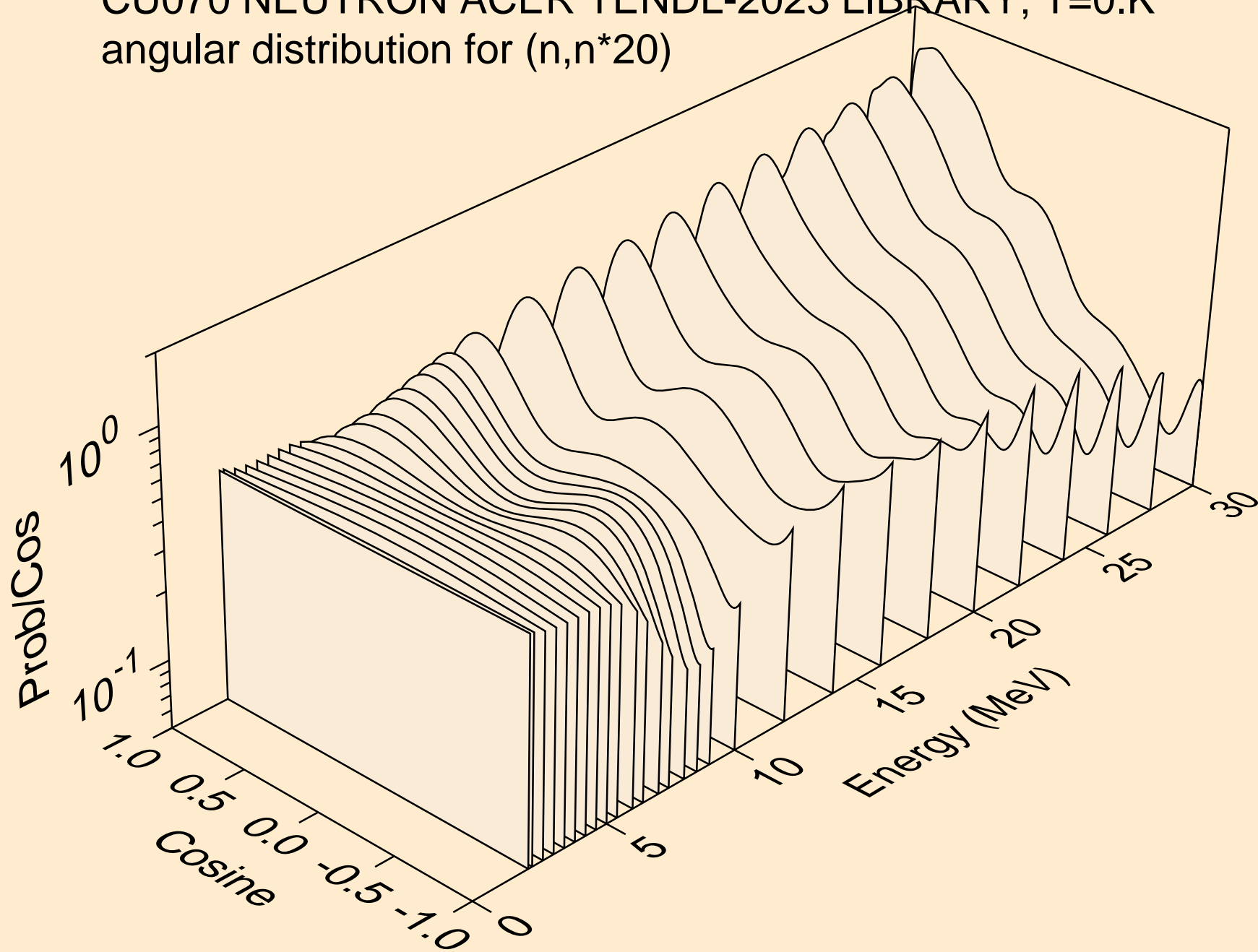




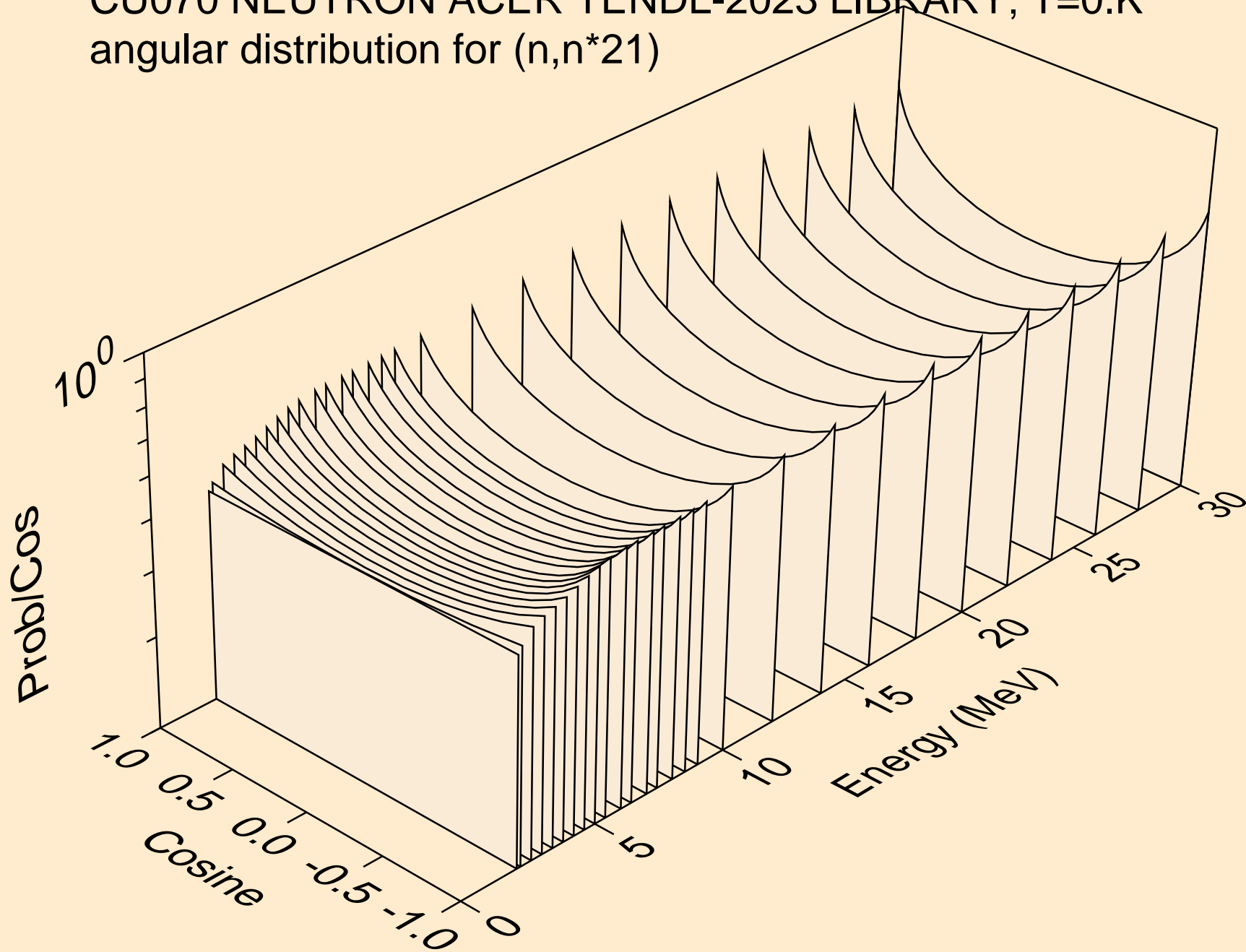
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angular distribution for (n,n\*19)



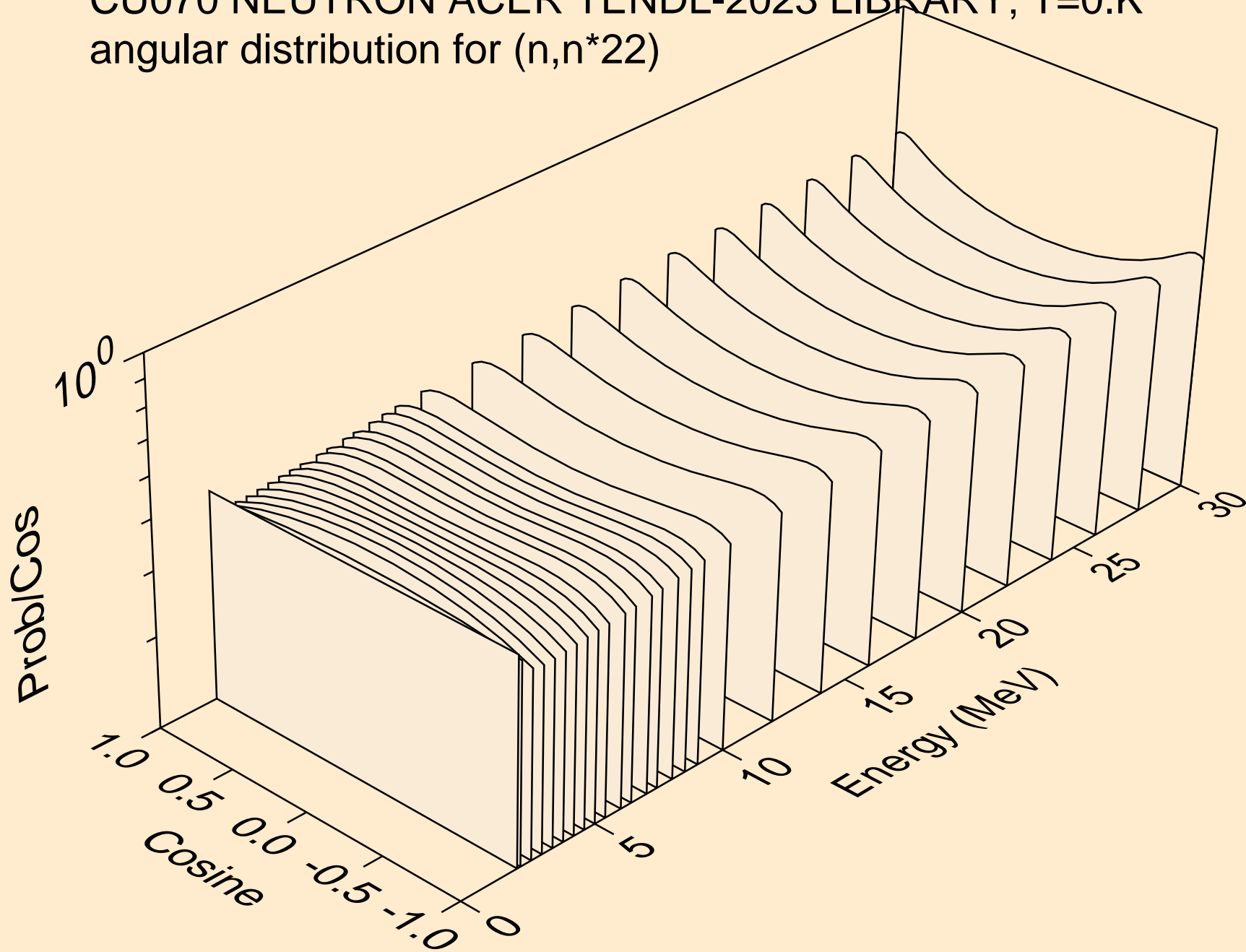
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angular distribution for (n,n\*20)



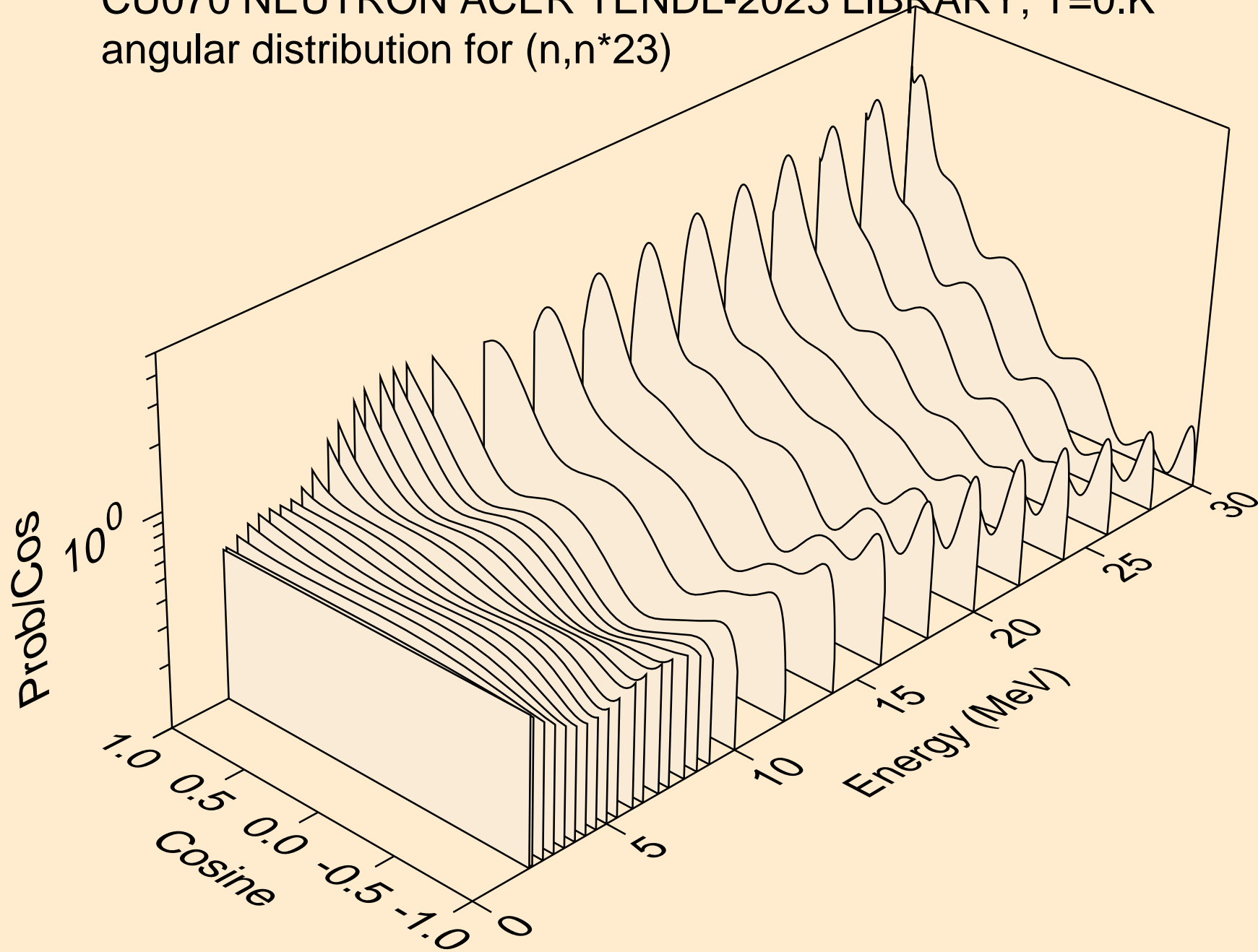
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angular distribution for (n,n\*21)



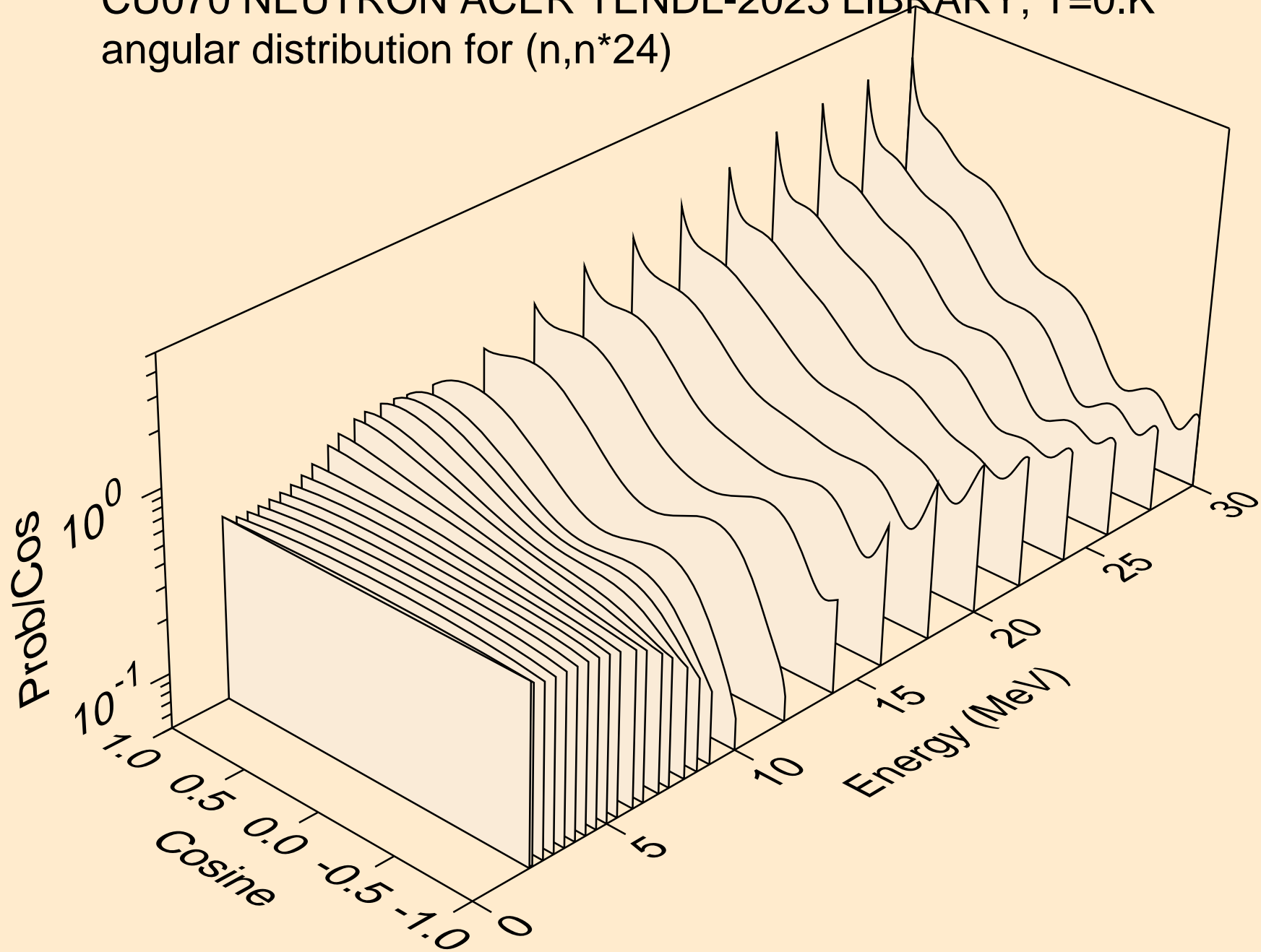
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angular distribution for (n,n\*22)



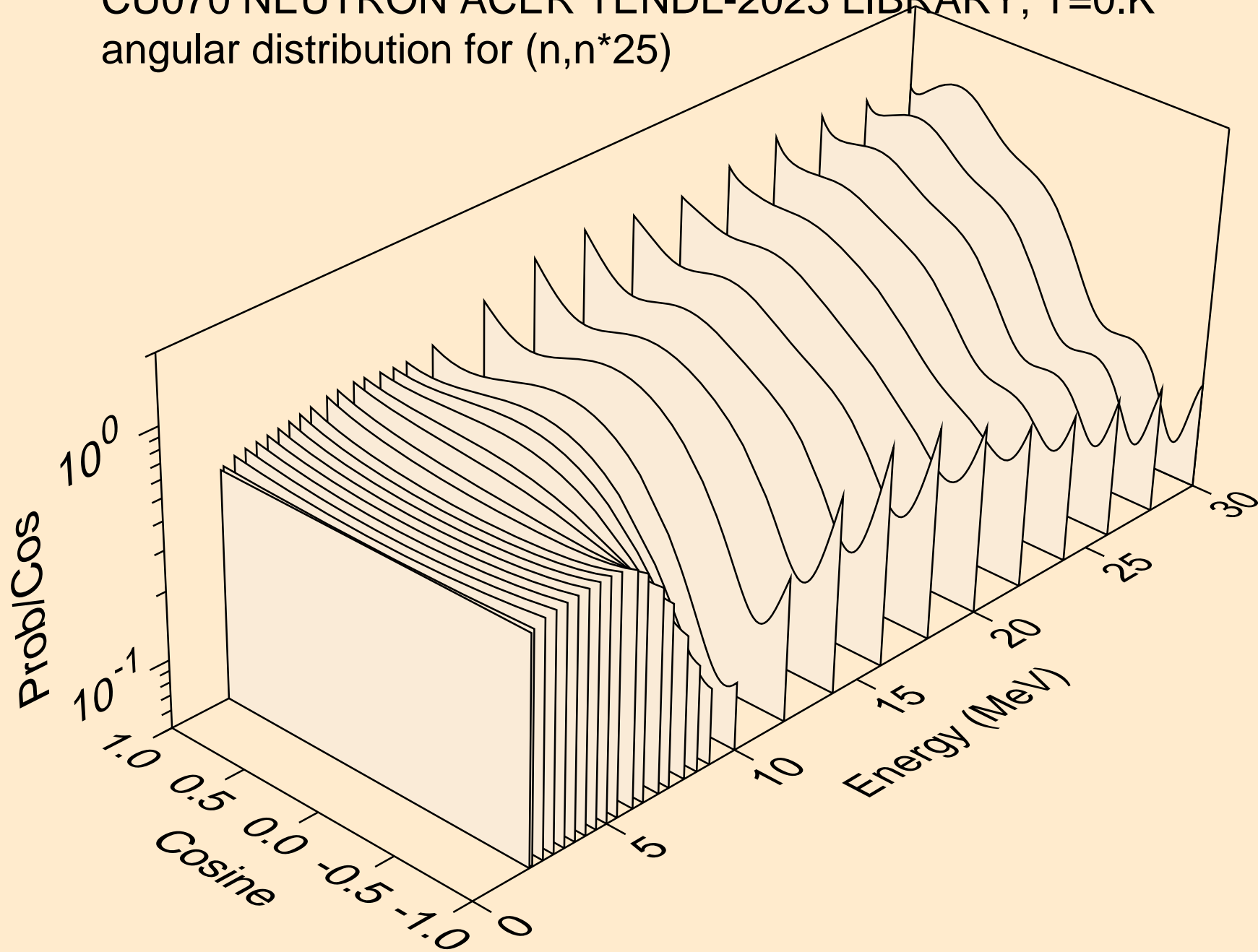
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angular distribution for (n,n\*23)



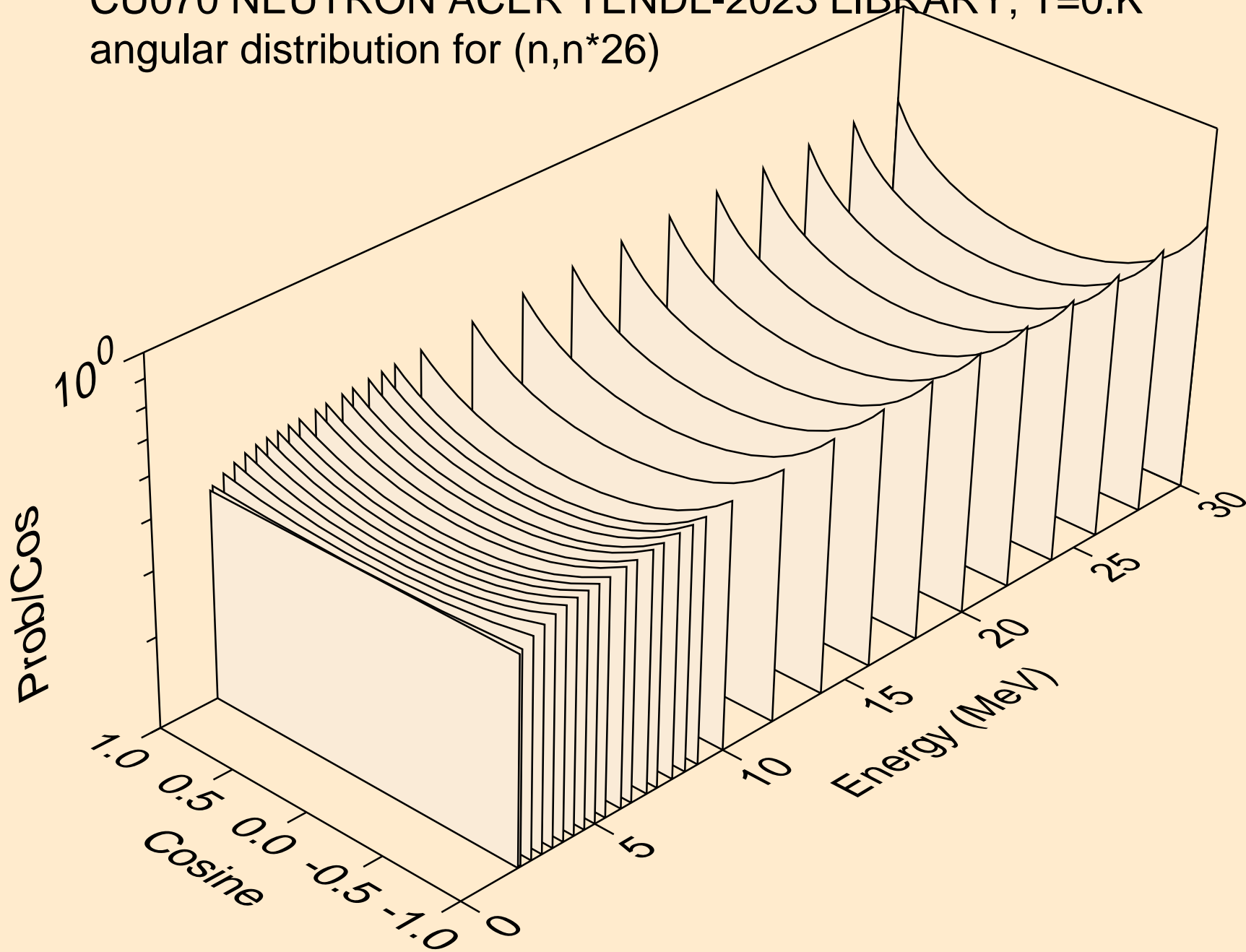
CU070 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*24)



CU070 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*25)

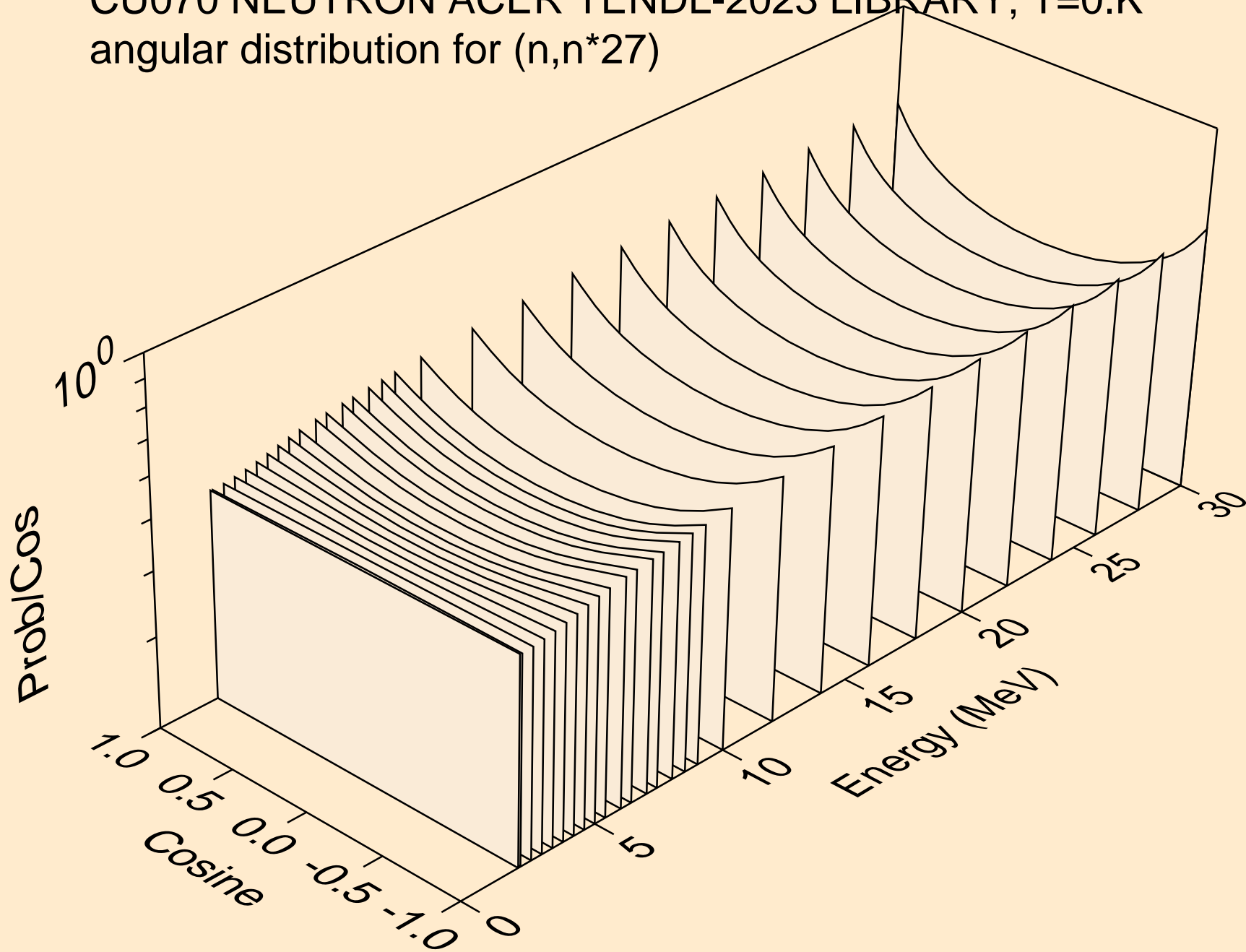


CU070 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*26)

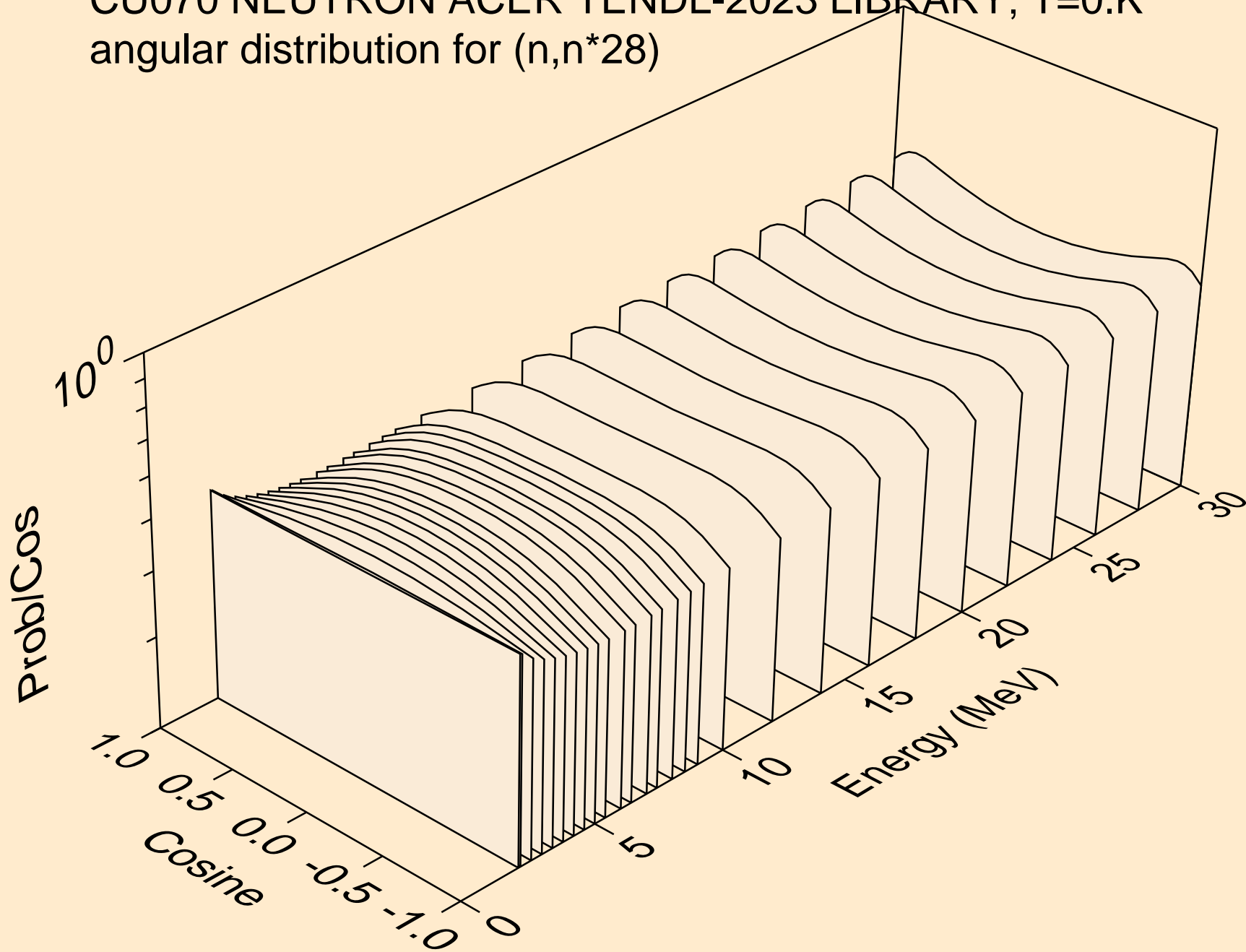




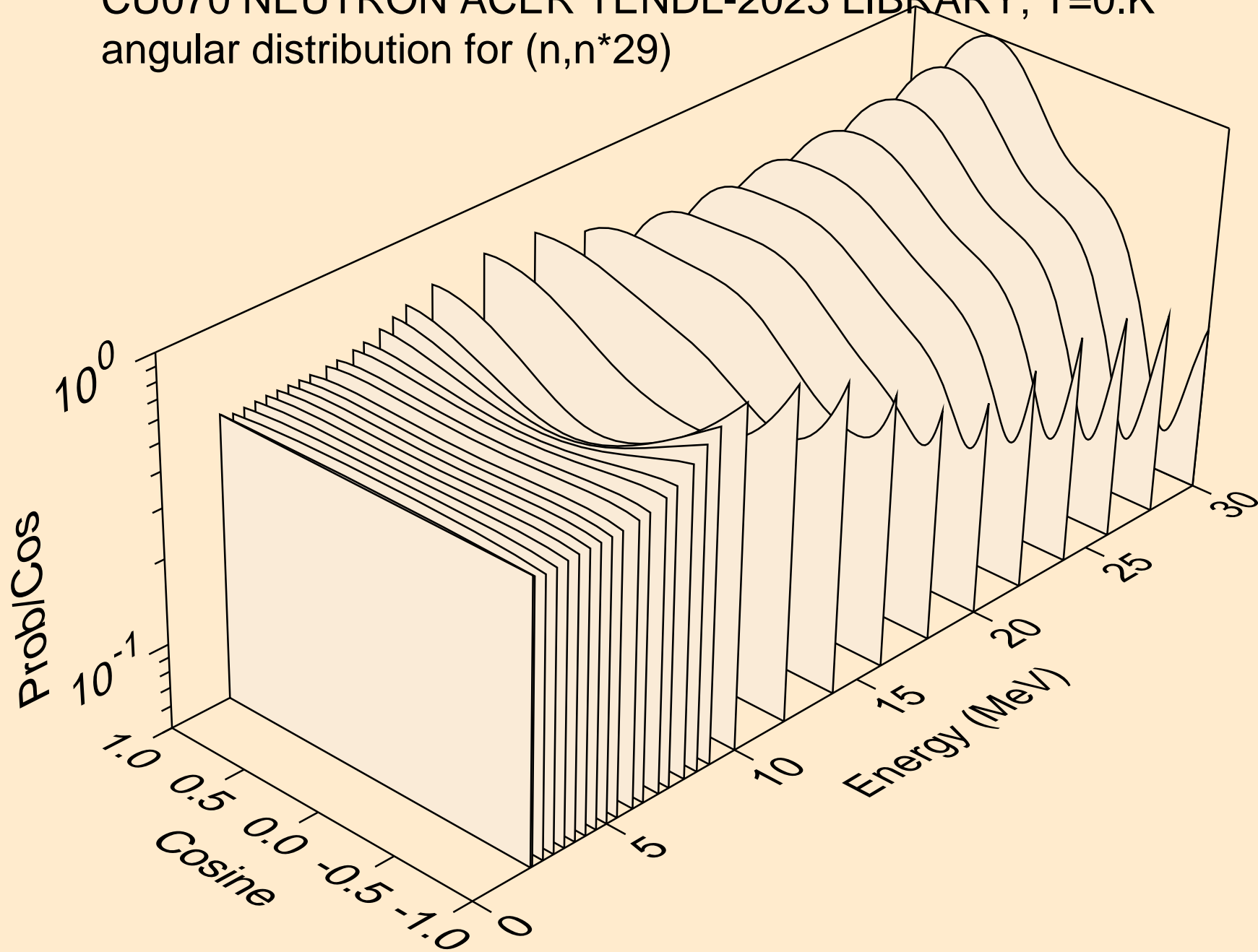
CU070 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*27)



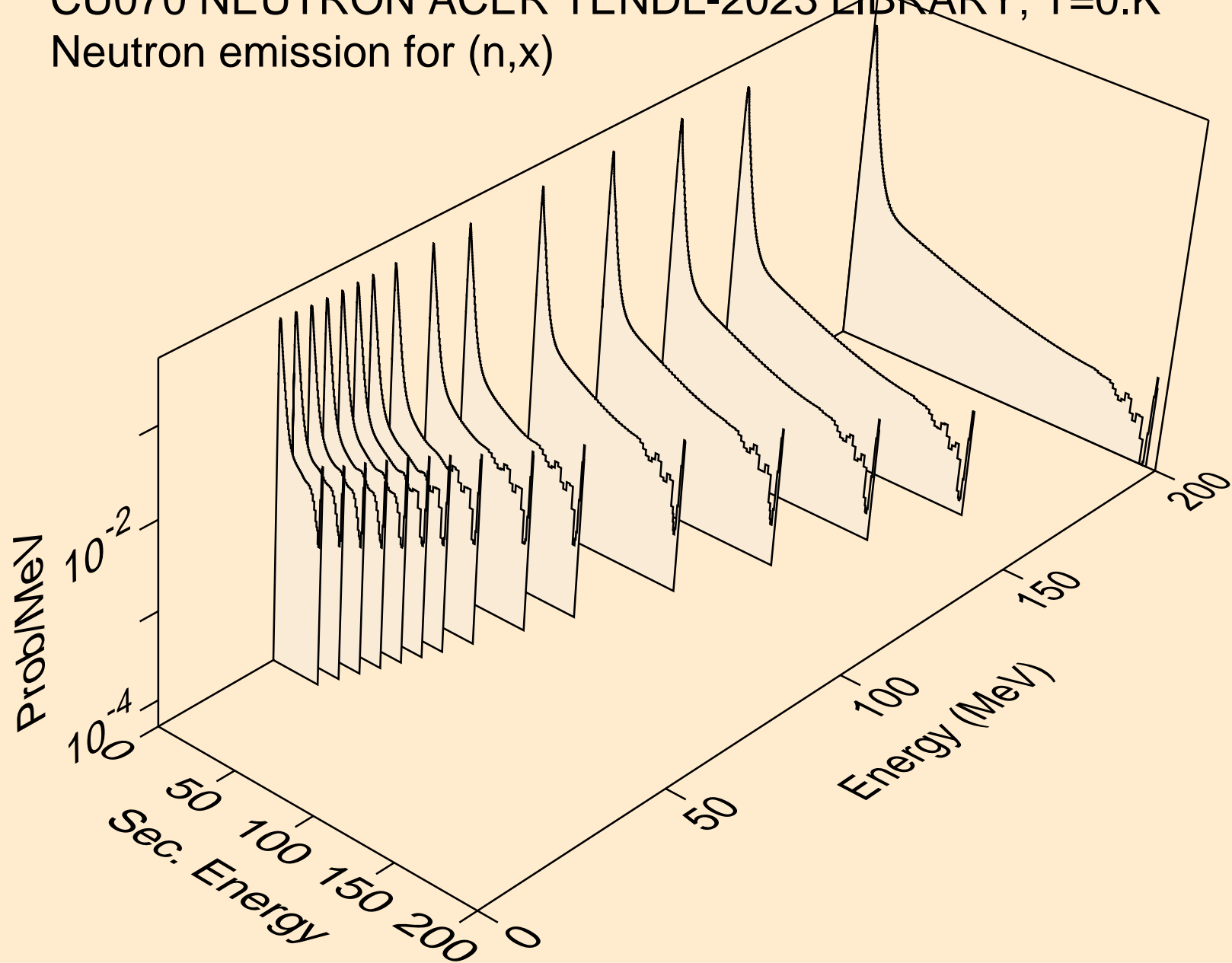
CU070 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*28)



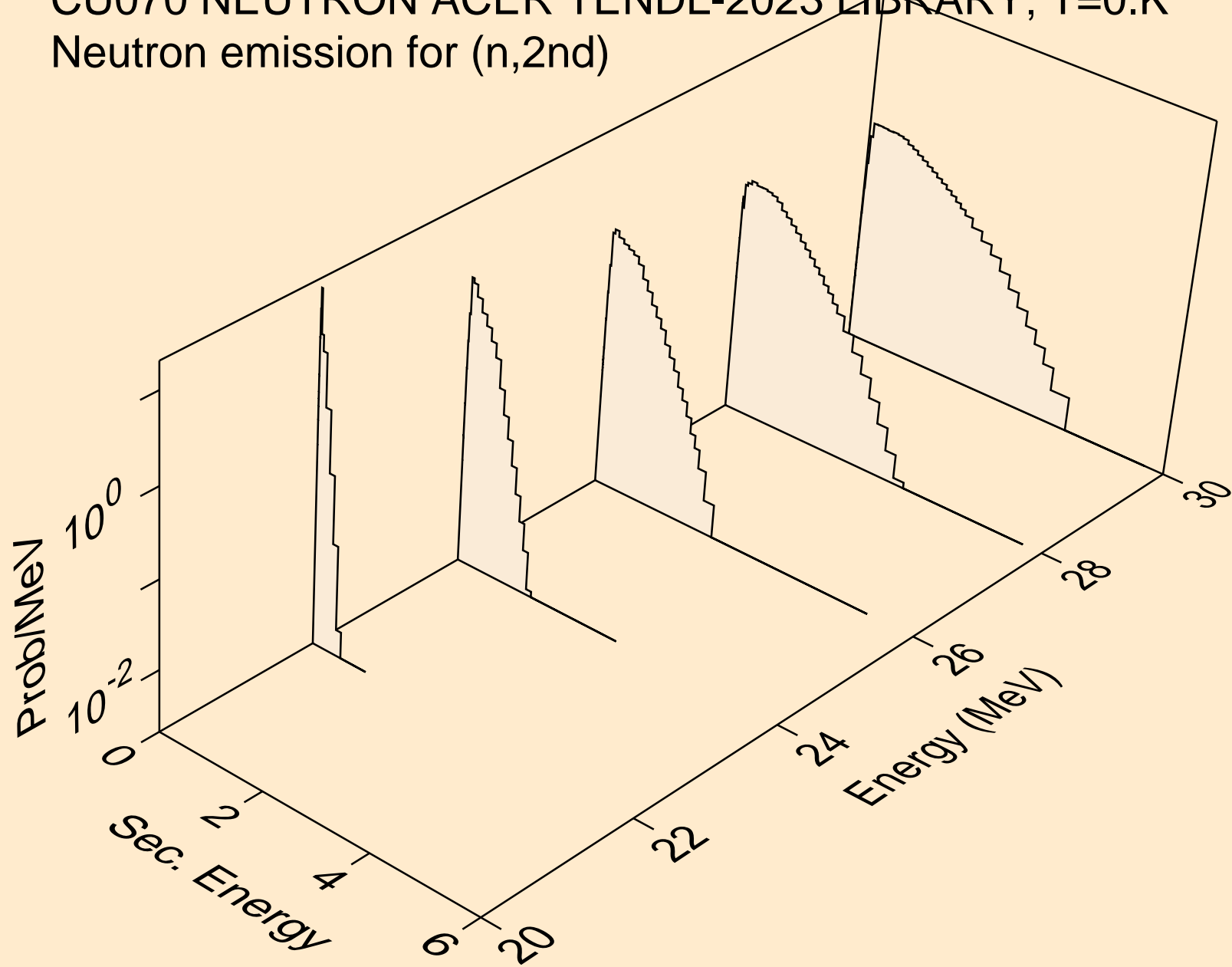
CU070 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*29)



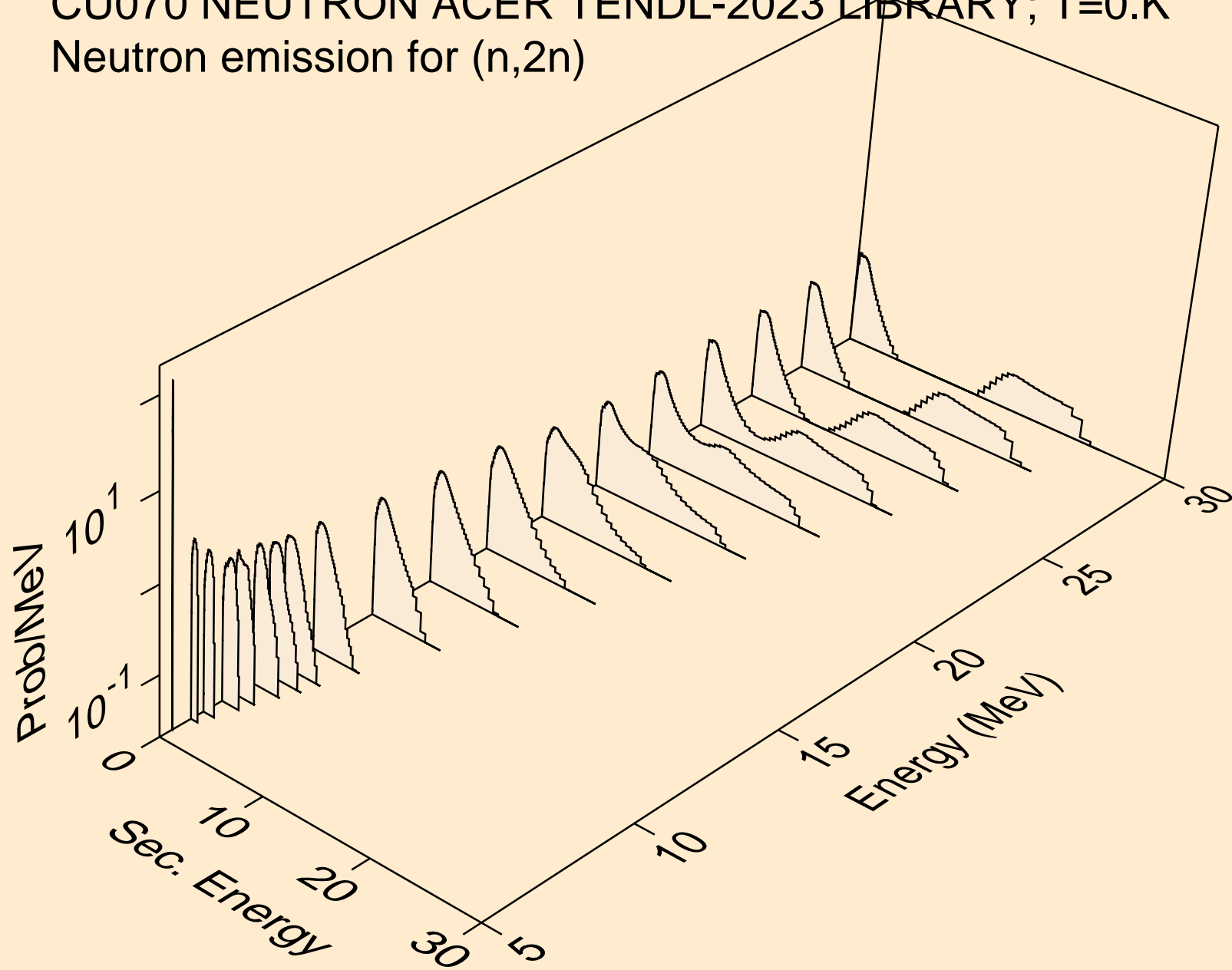
CU070 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,x)



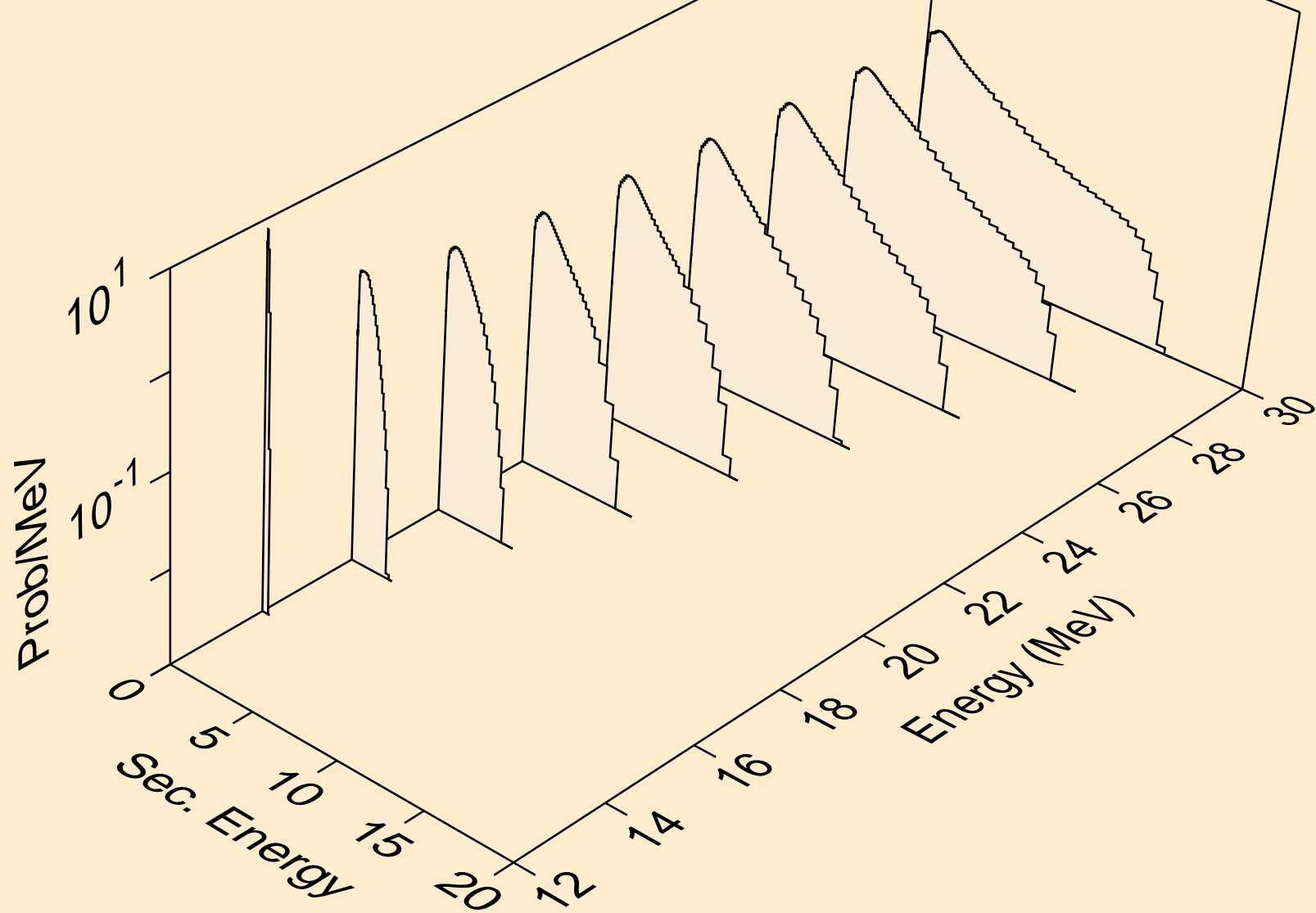
CU070 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



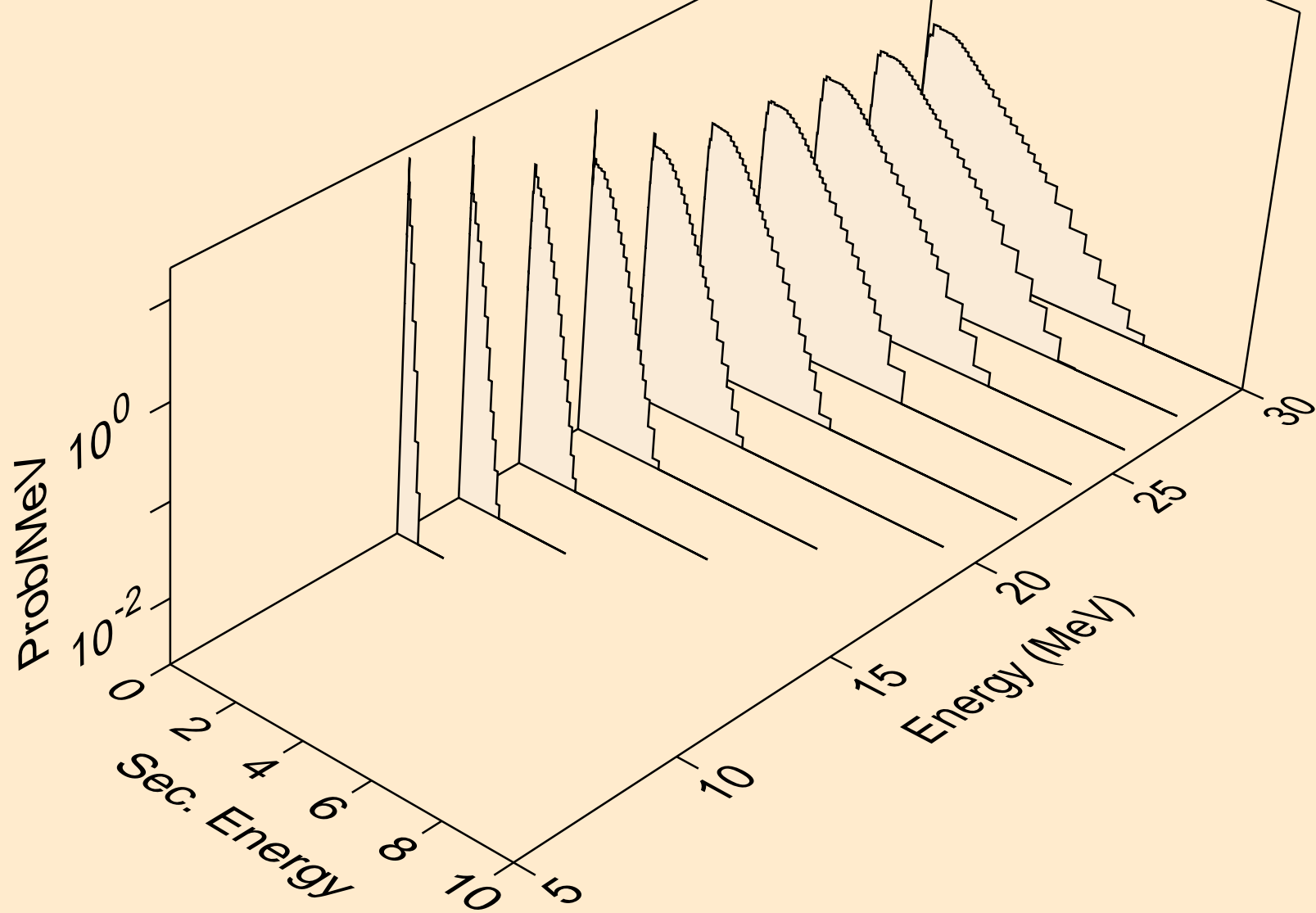
CU070 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)



CU070 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)

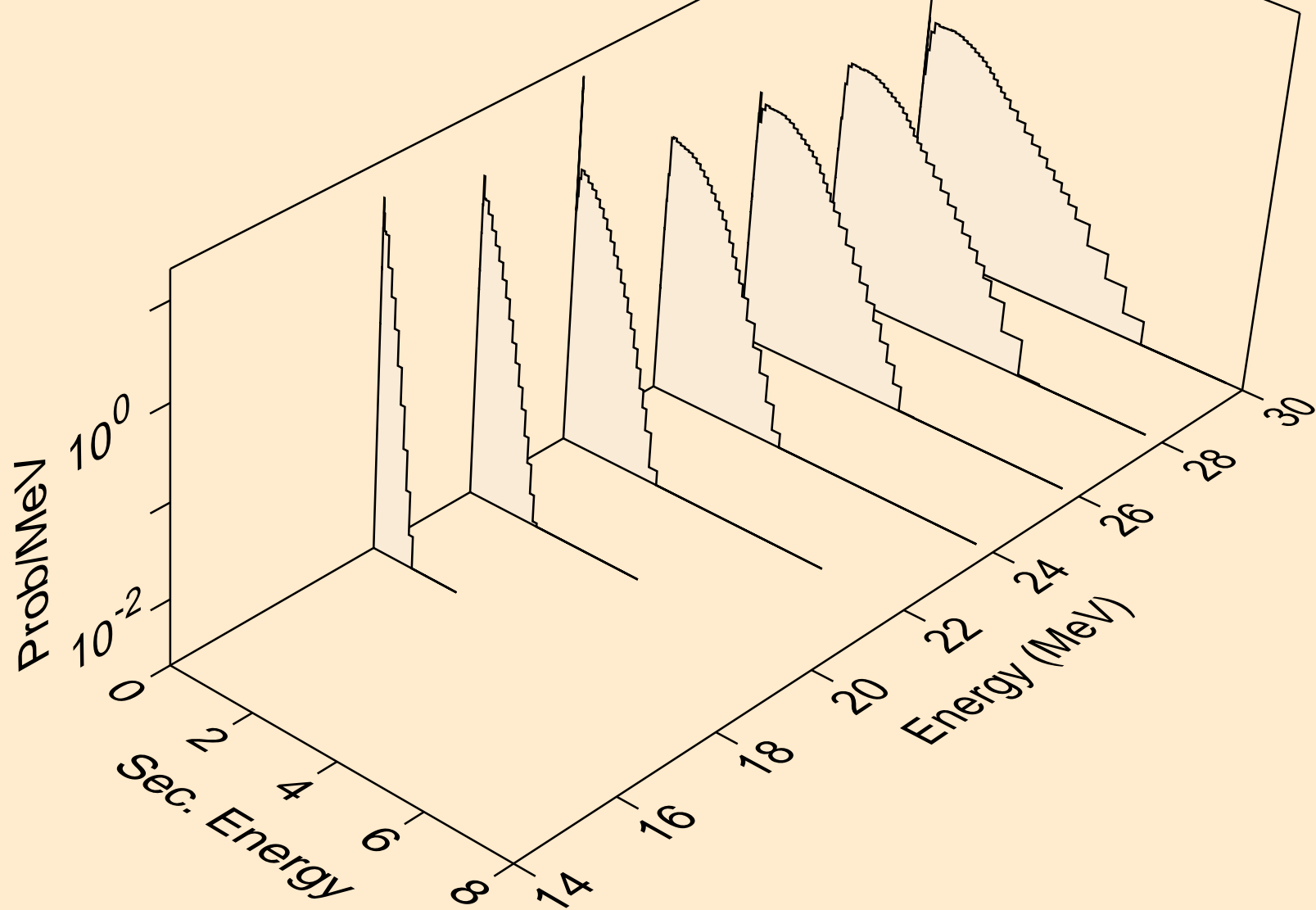


CU070 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a

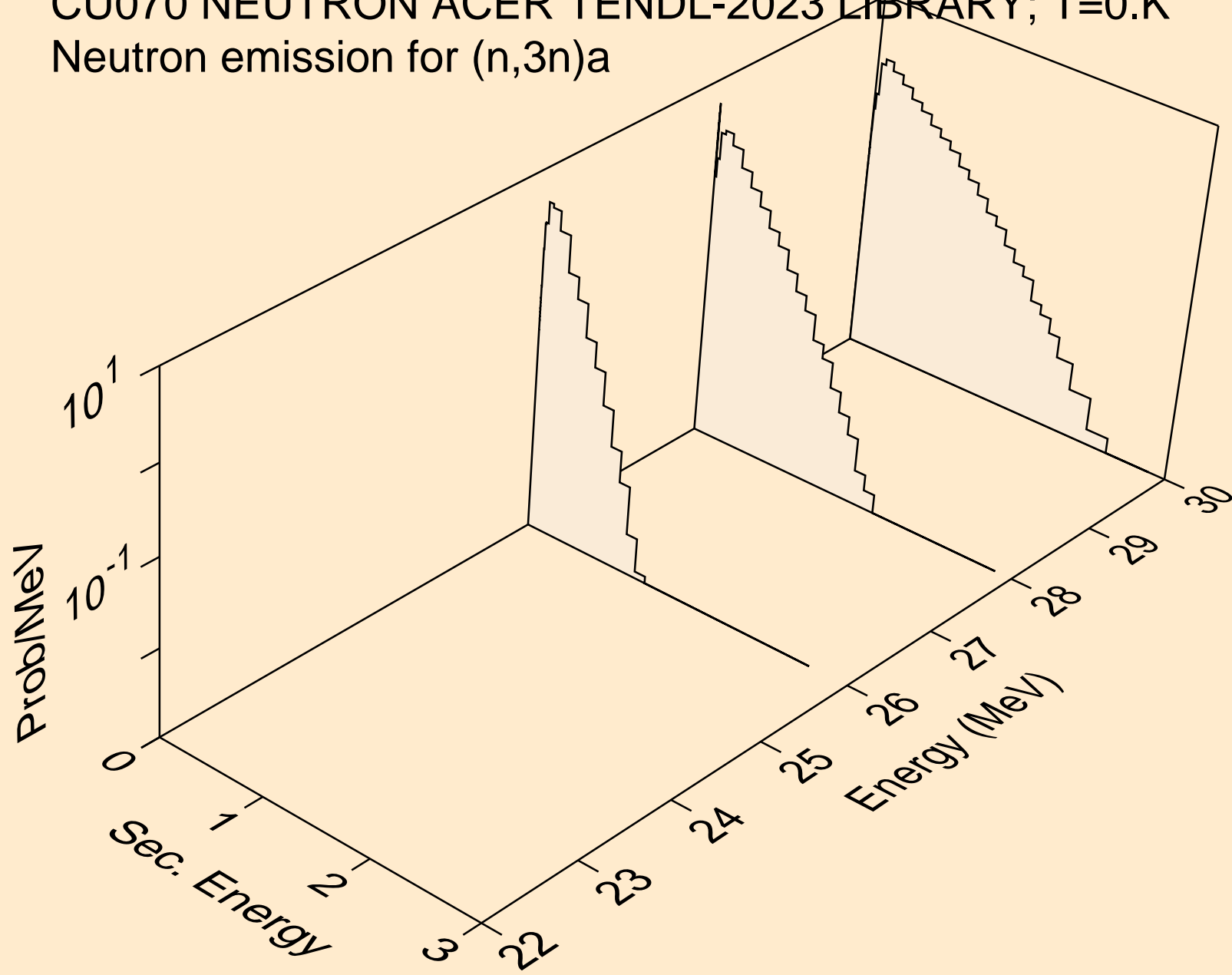




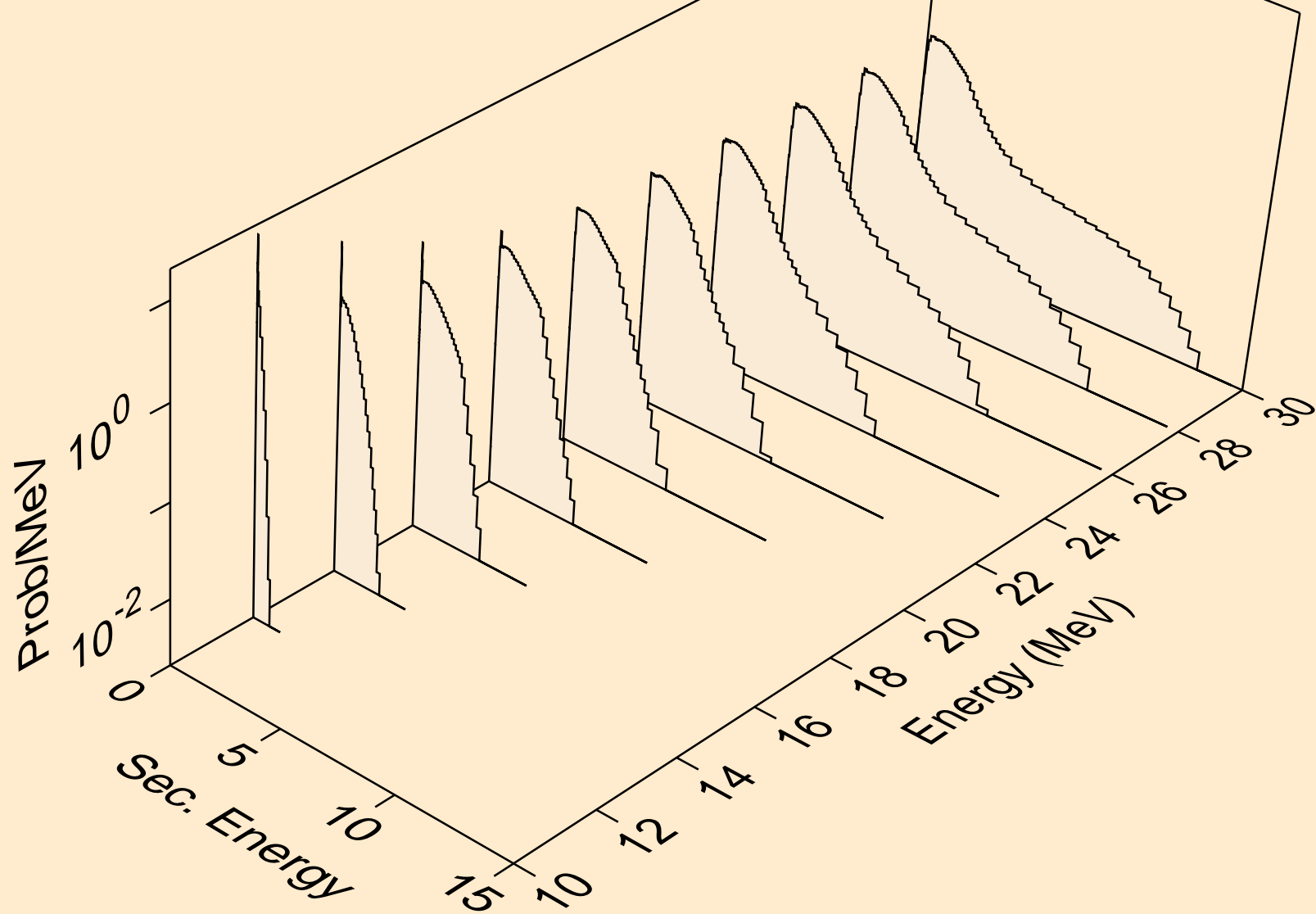
CU070 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)a



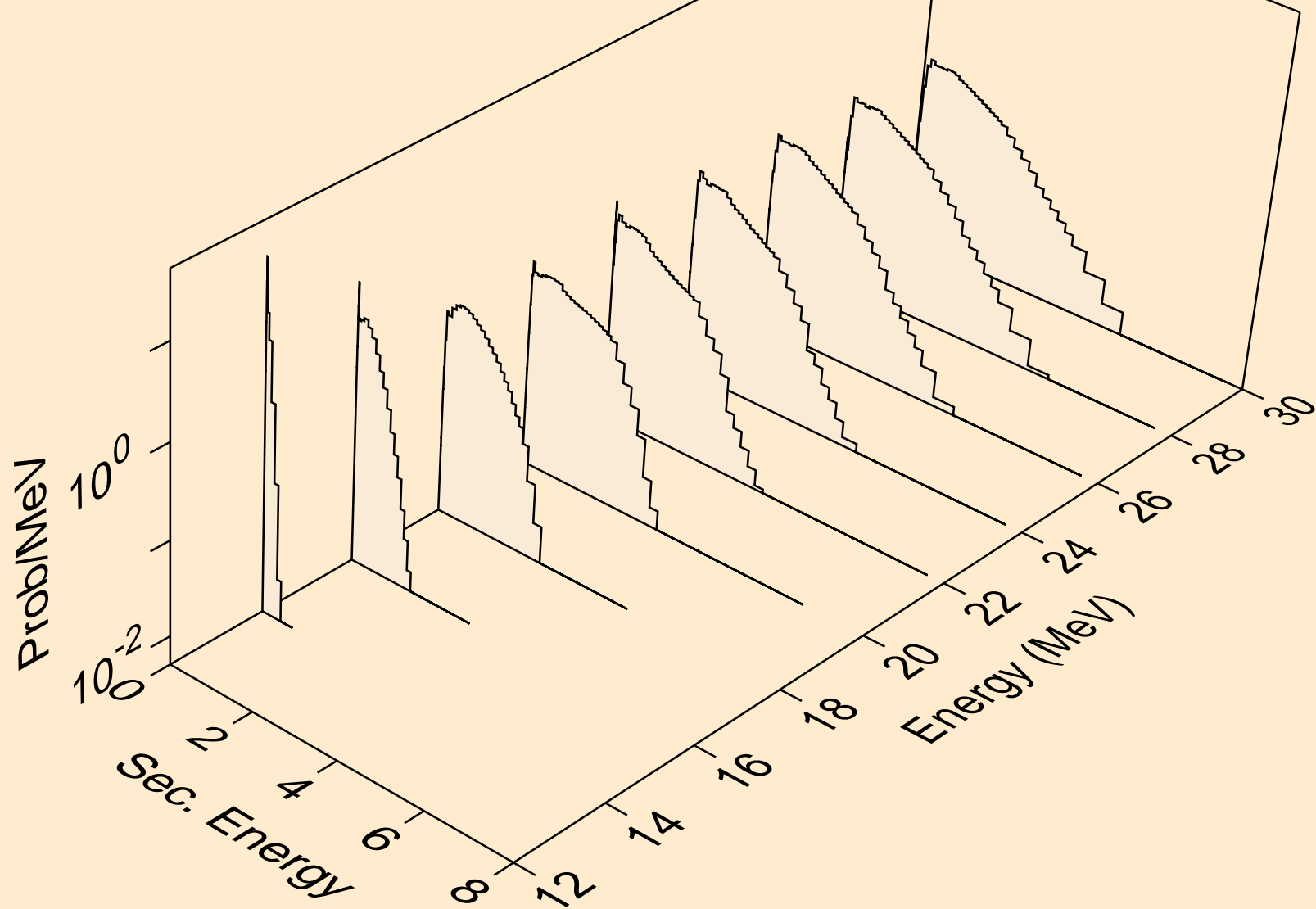
CU070 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)a



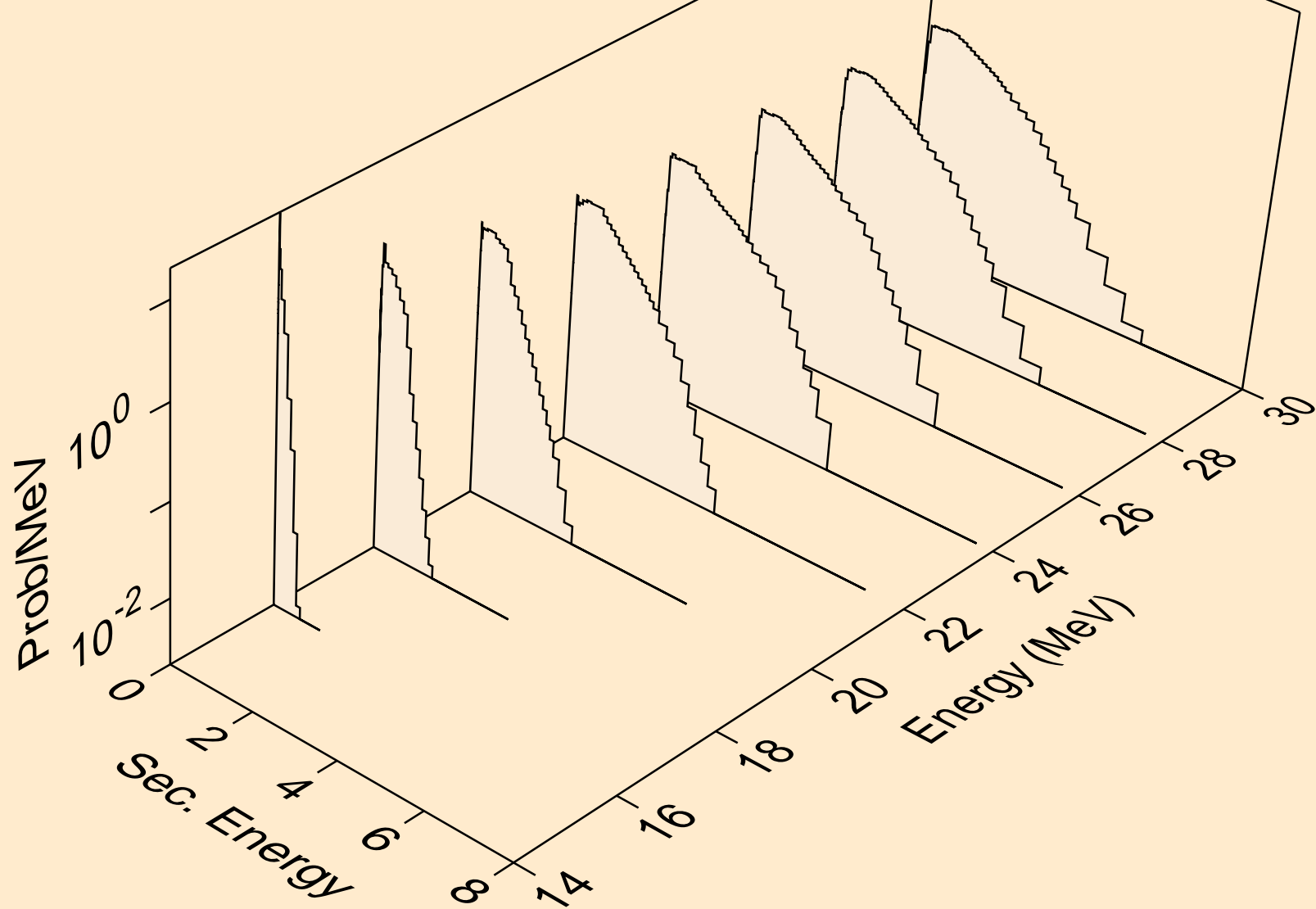
CU070 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



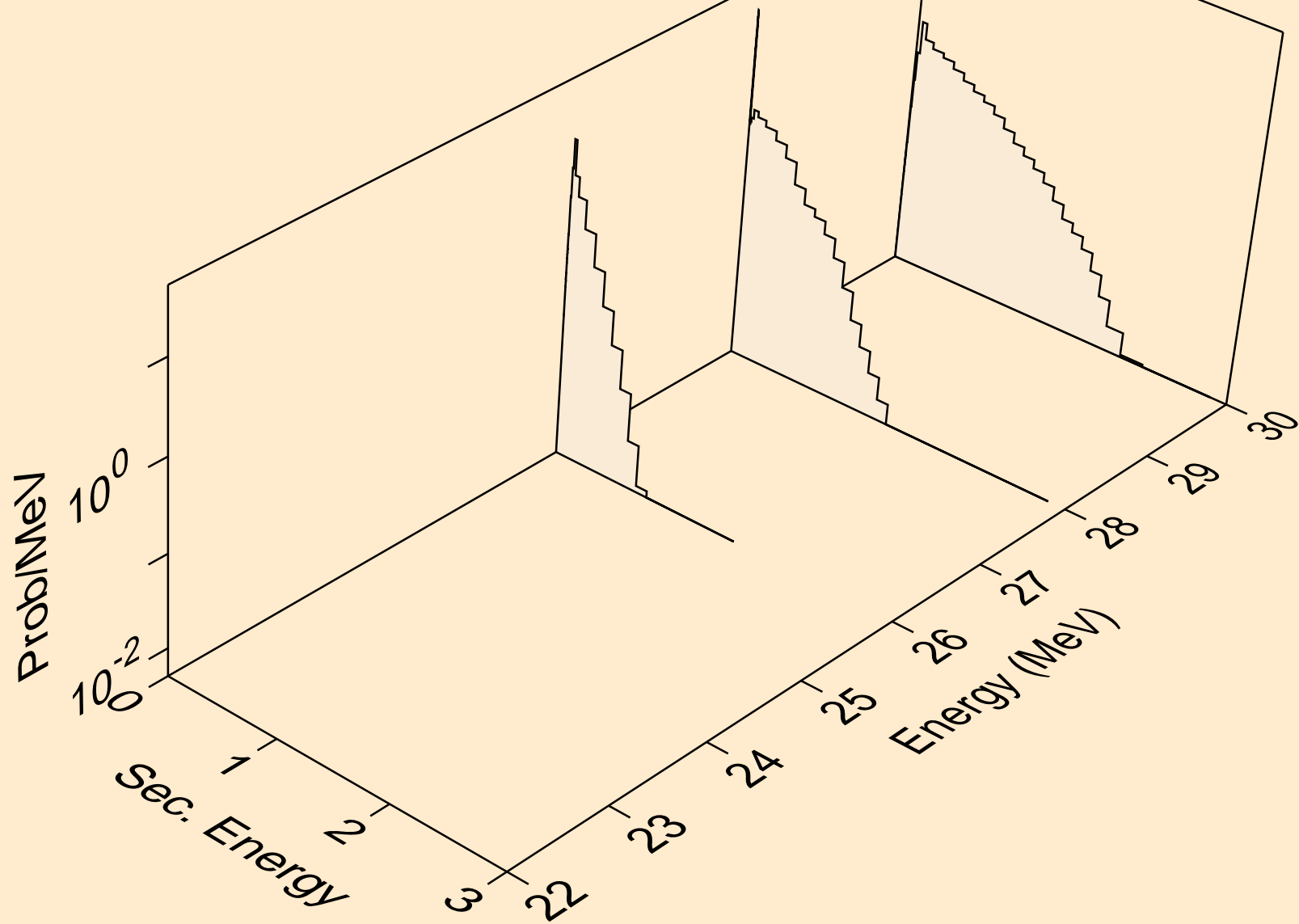
CU070 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d



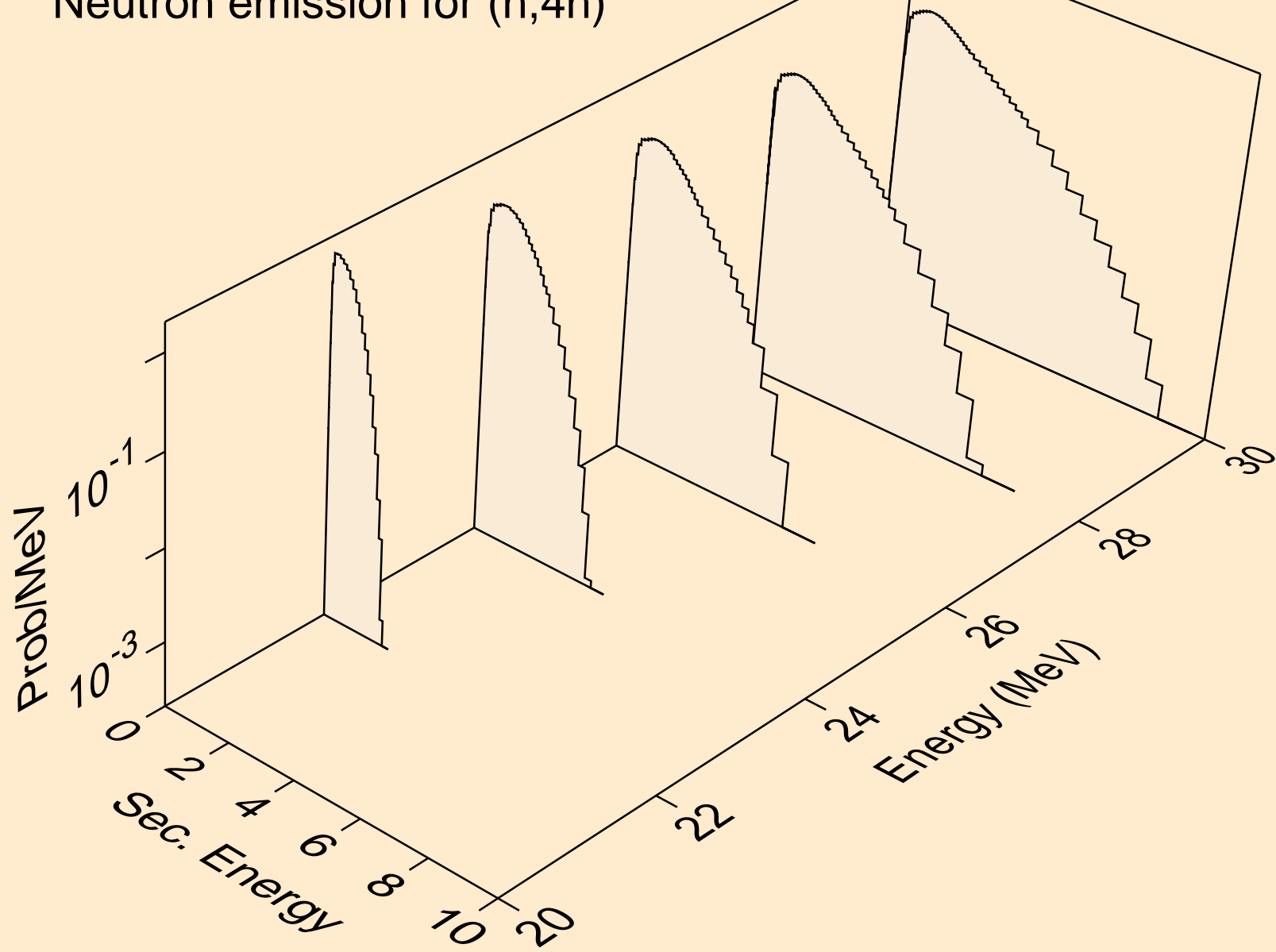
CU070 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



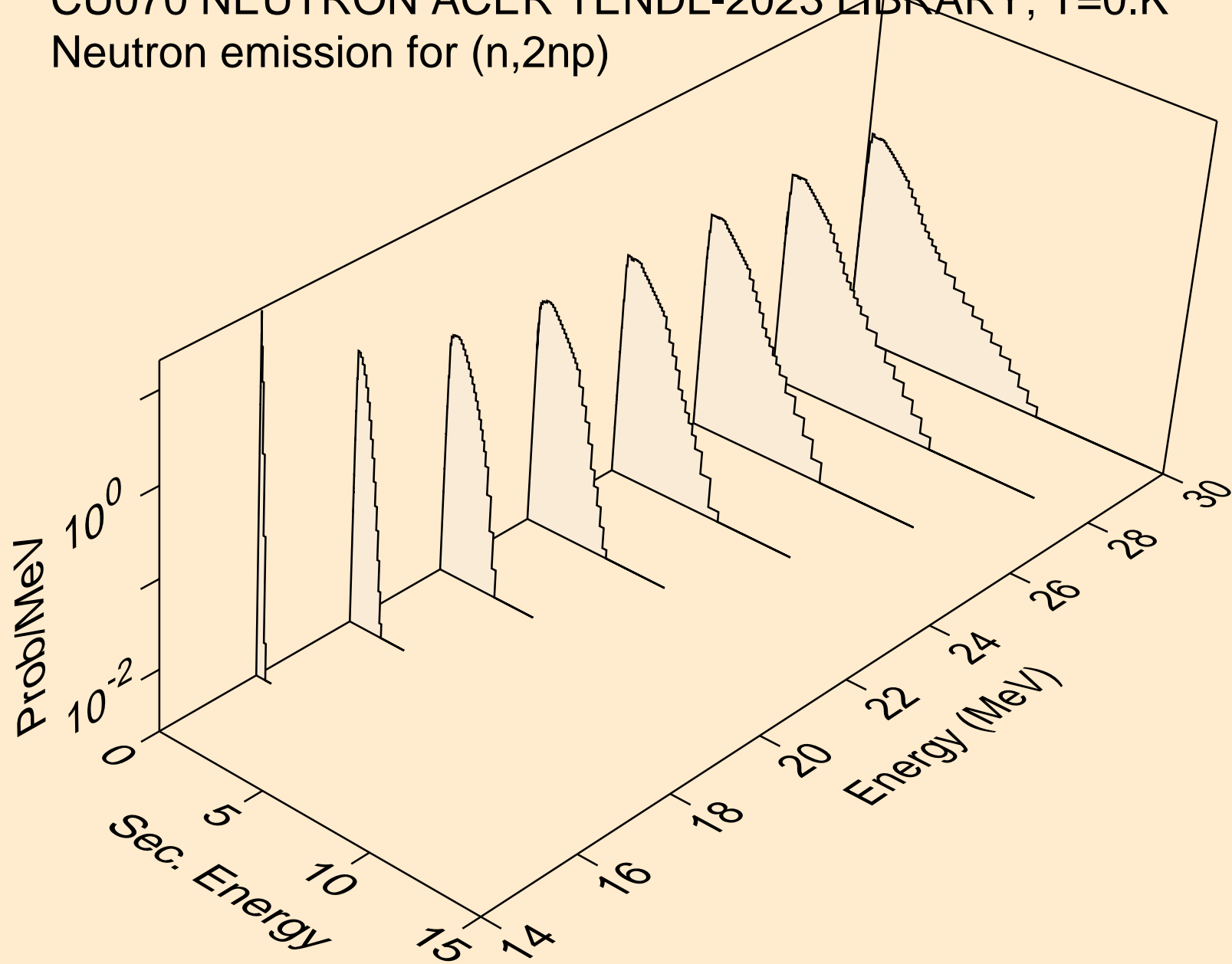
CU070 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



CU070 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,4n)

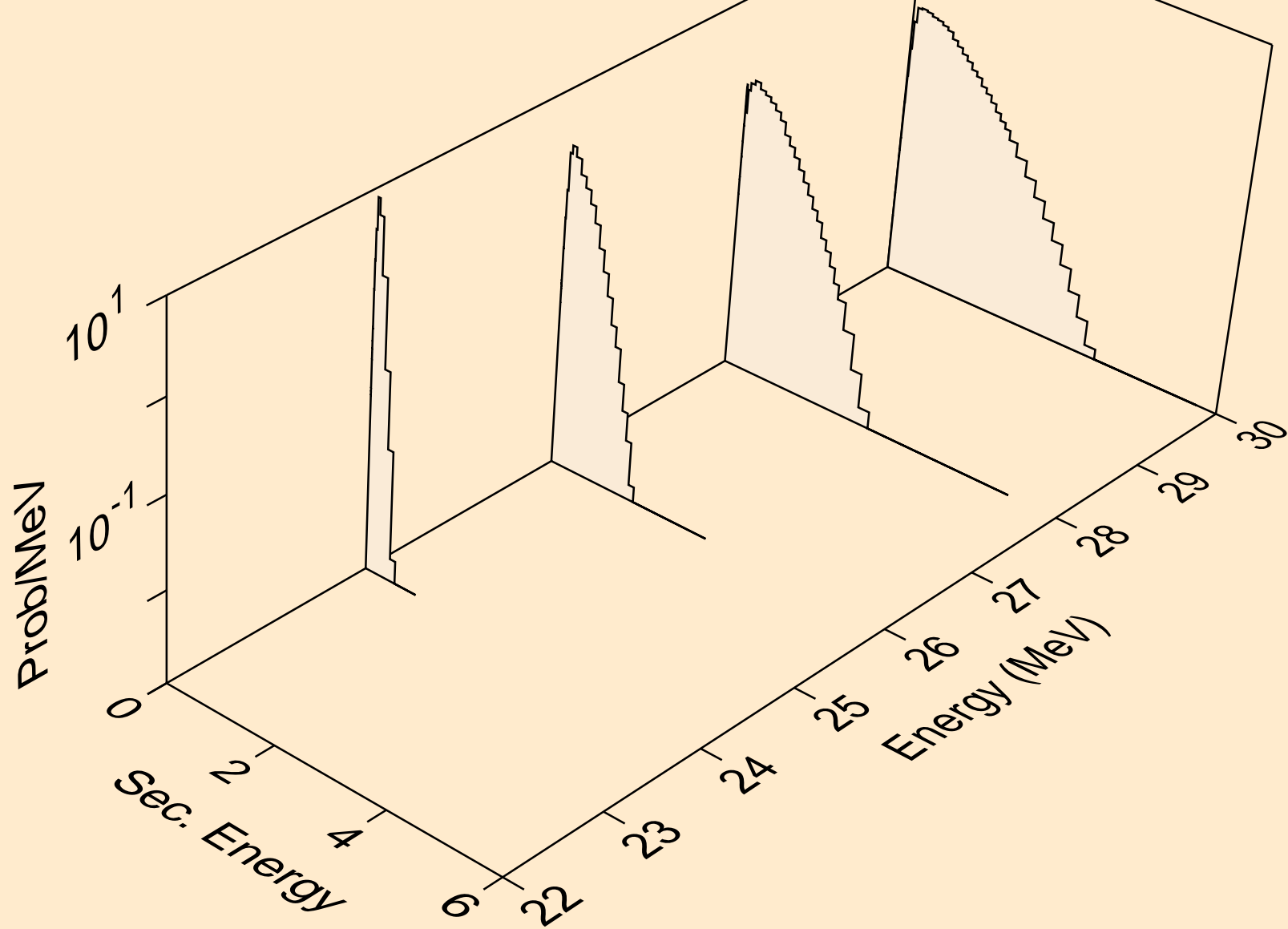


CU070 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2np)

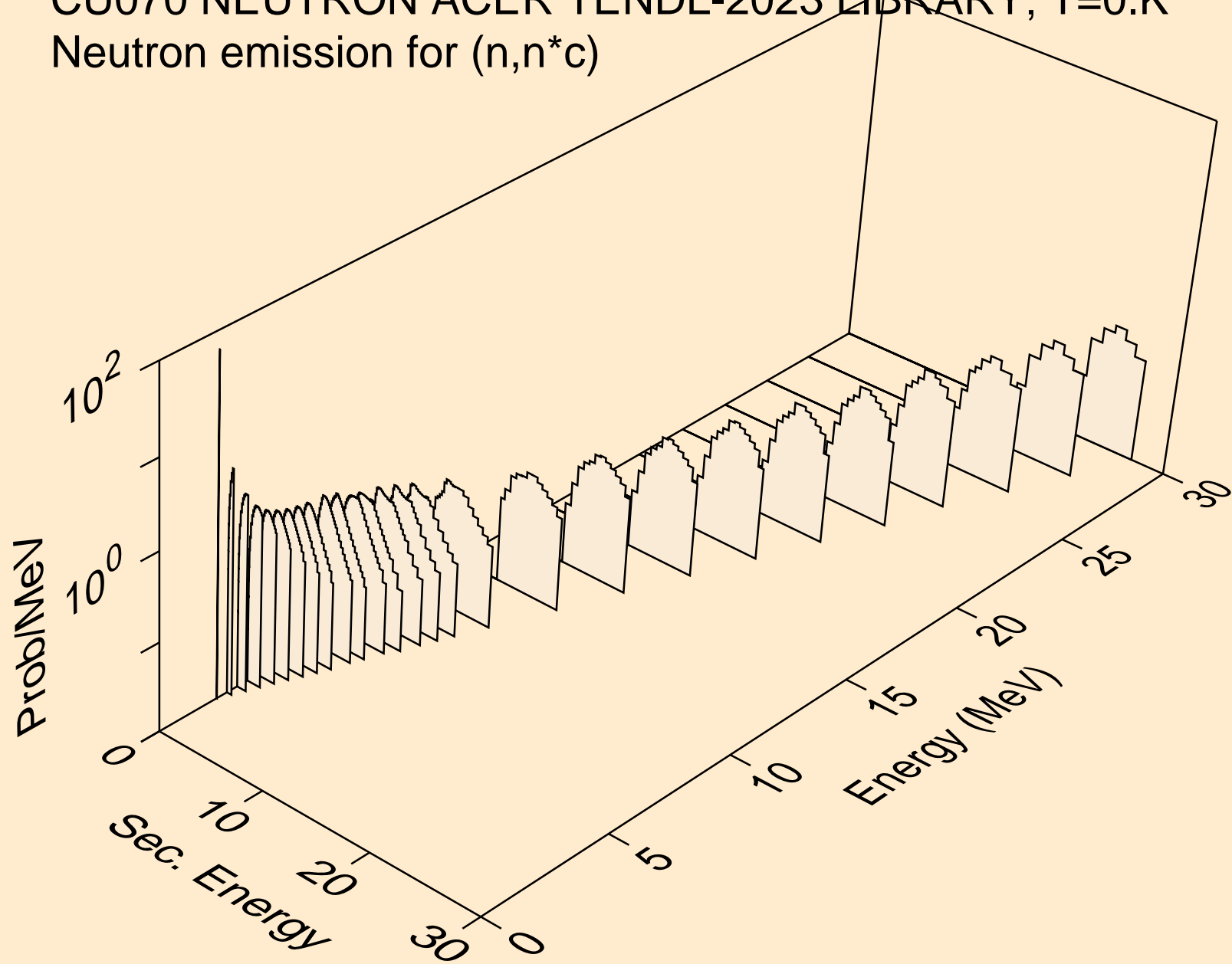




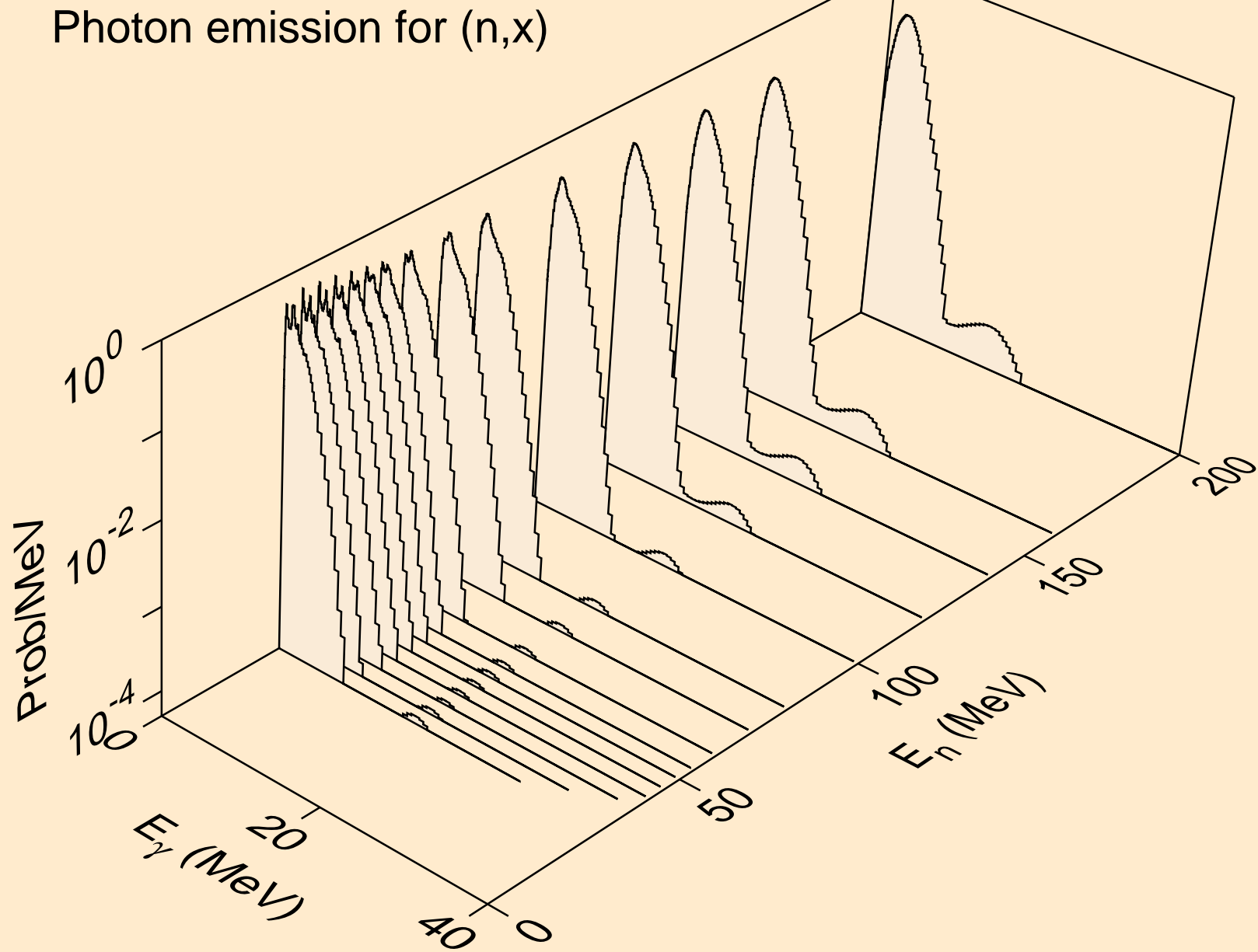
CU070 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3np)



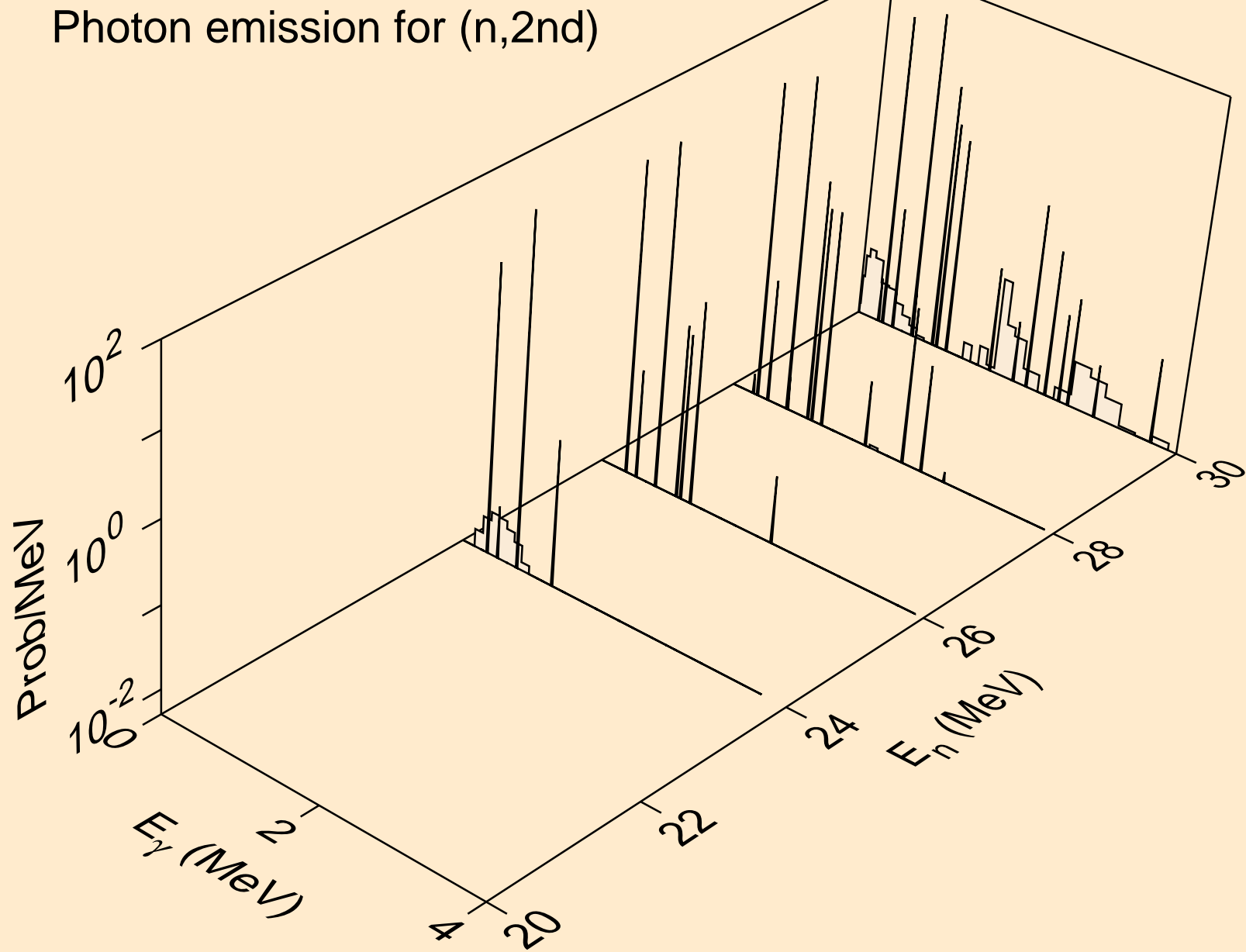
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Neutron emission for (n,n\*c)



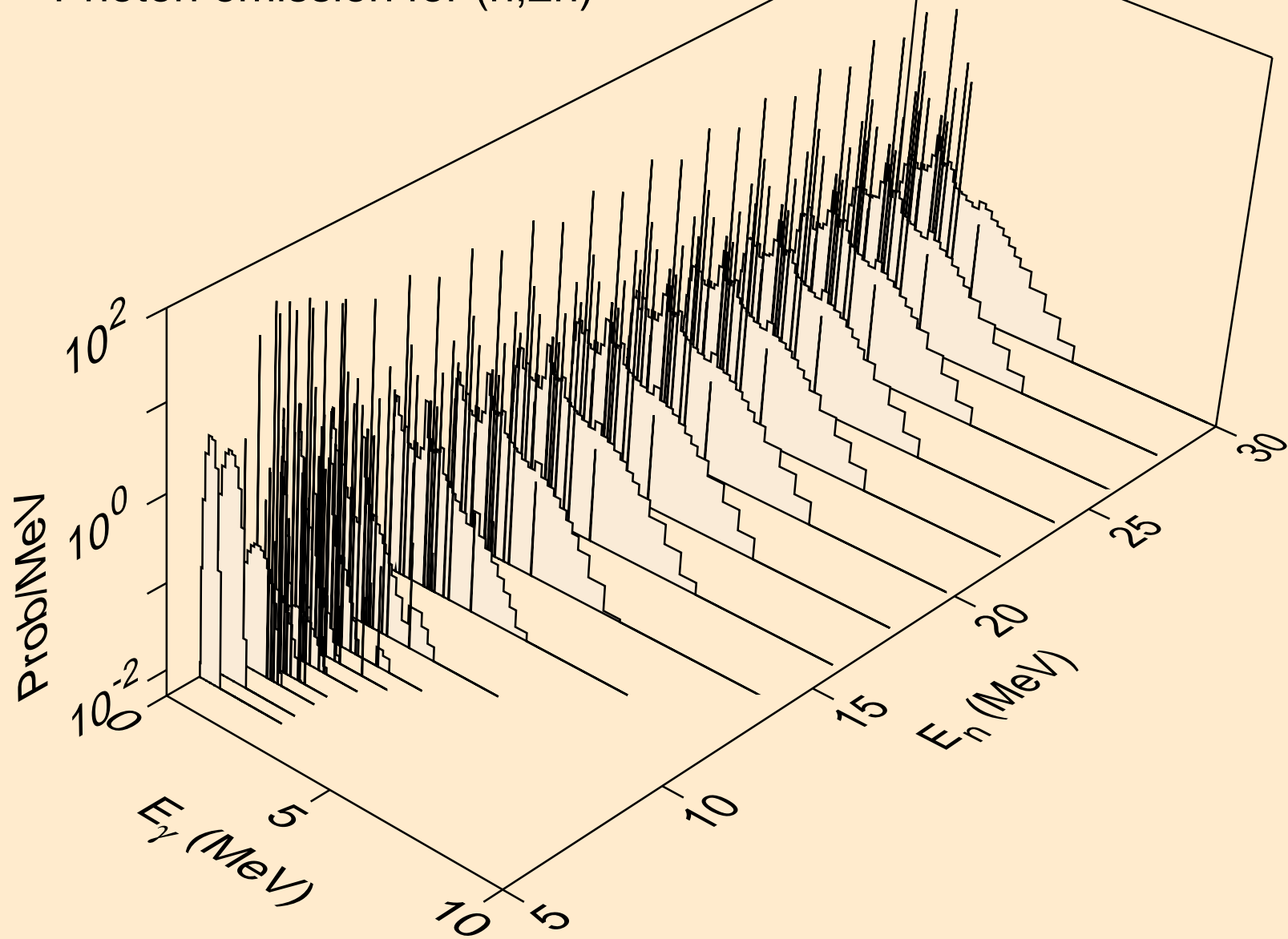
CU070 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,x)



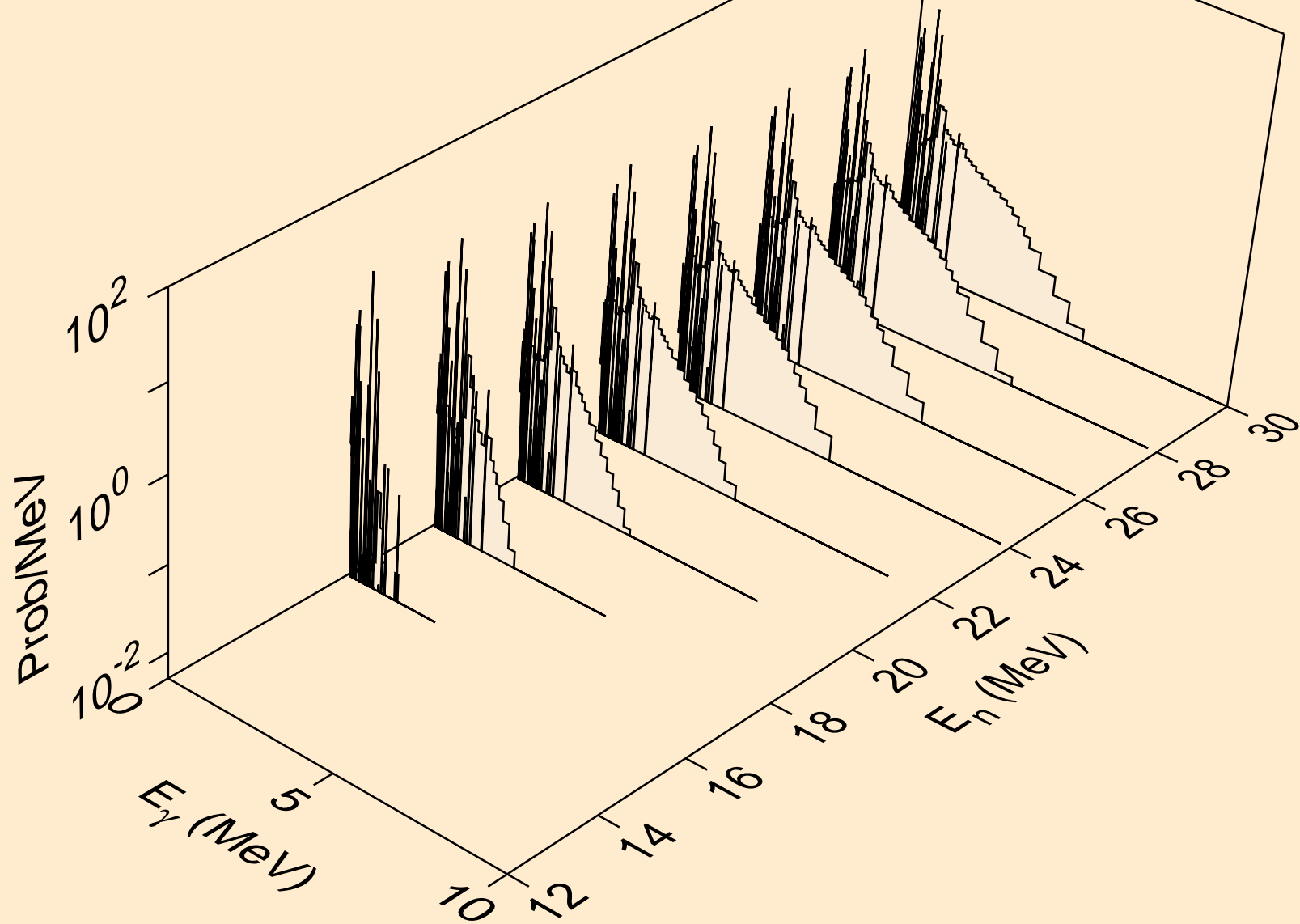
CU070 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



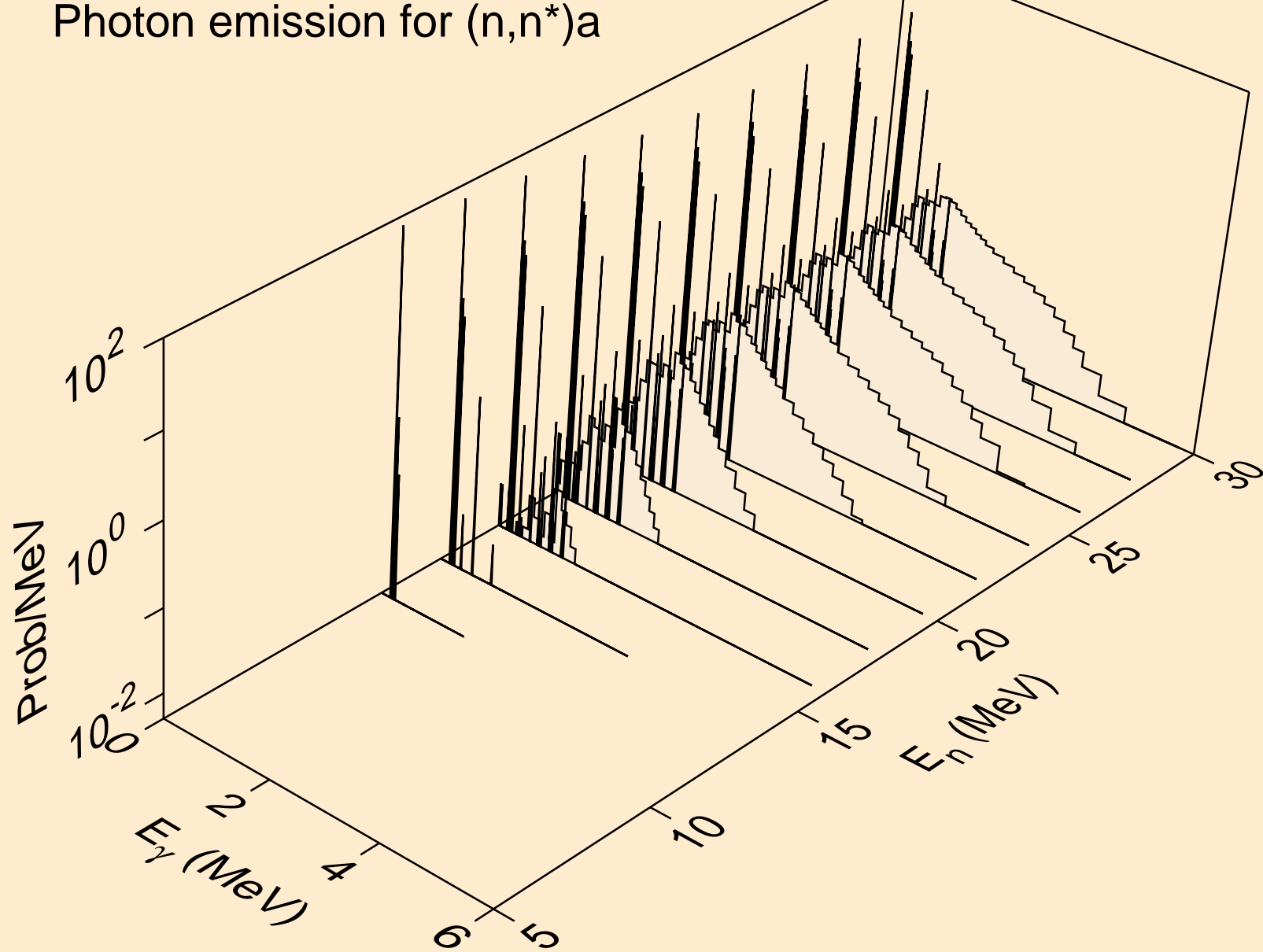
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Photon emission for (n,2n)



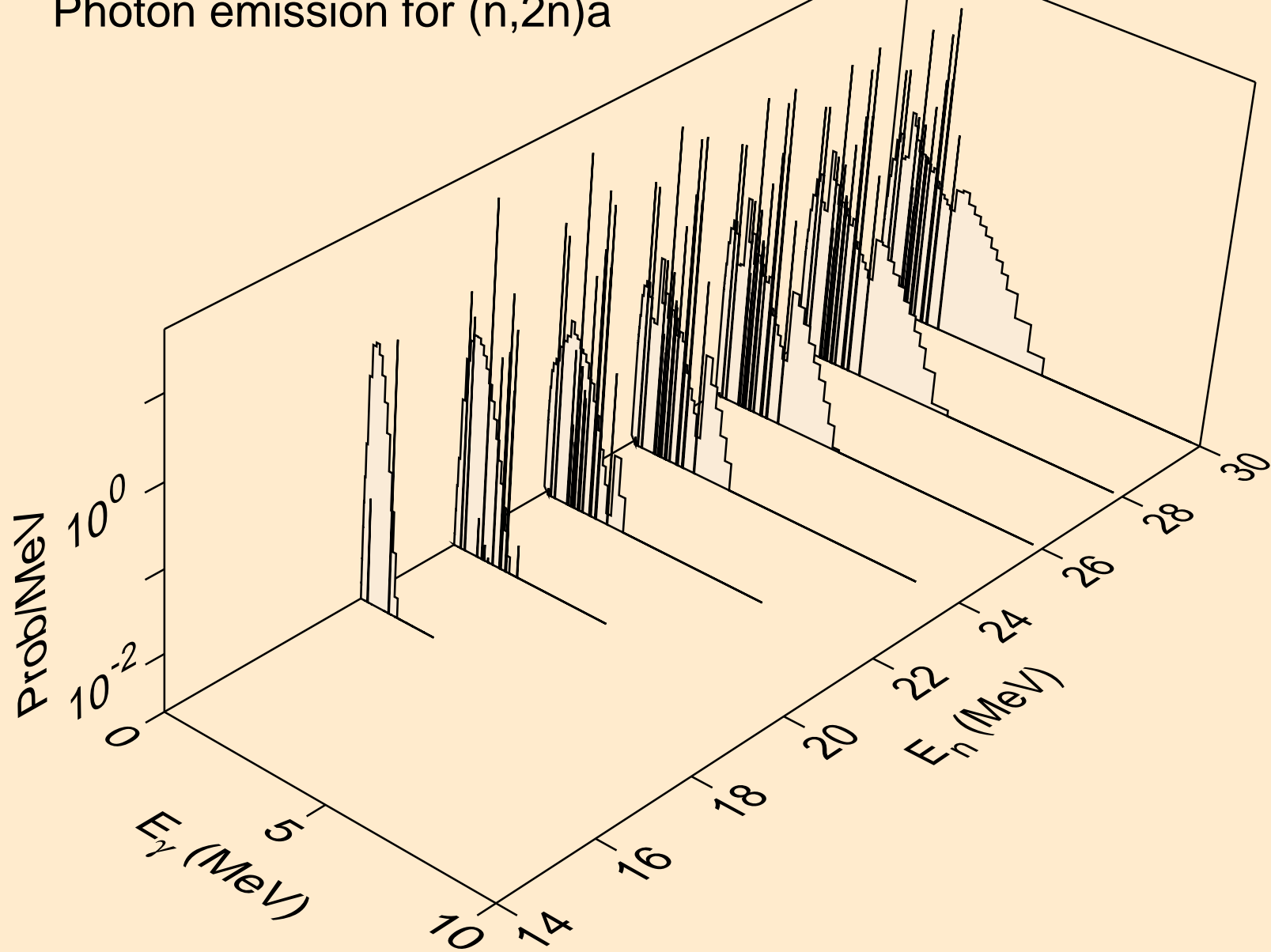
CU070 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



CU070 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a

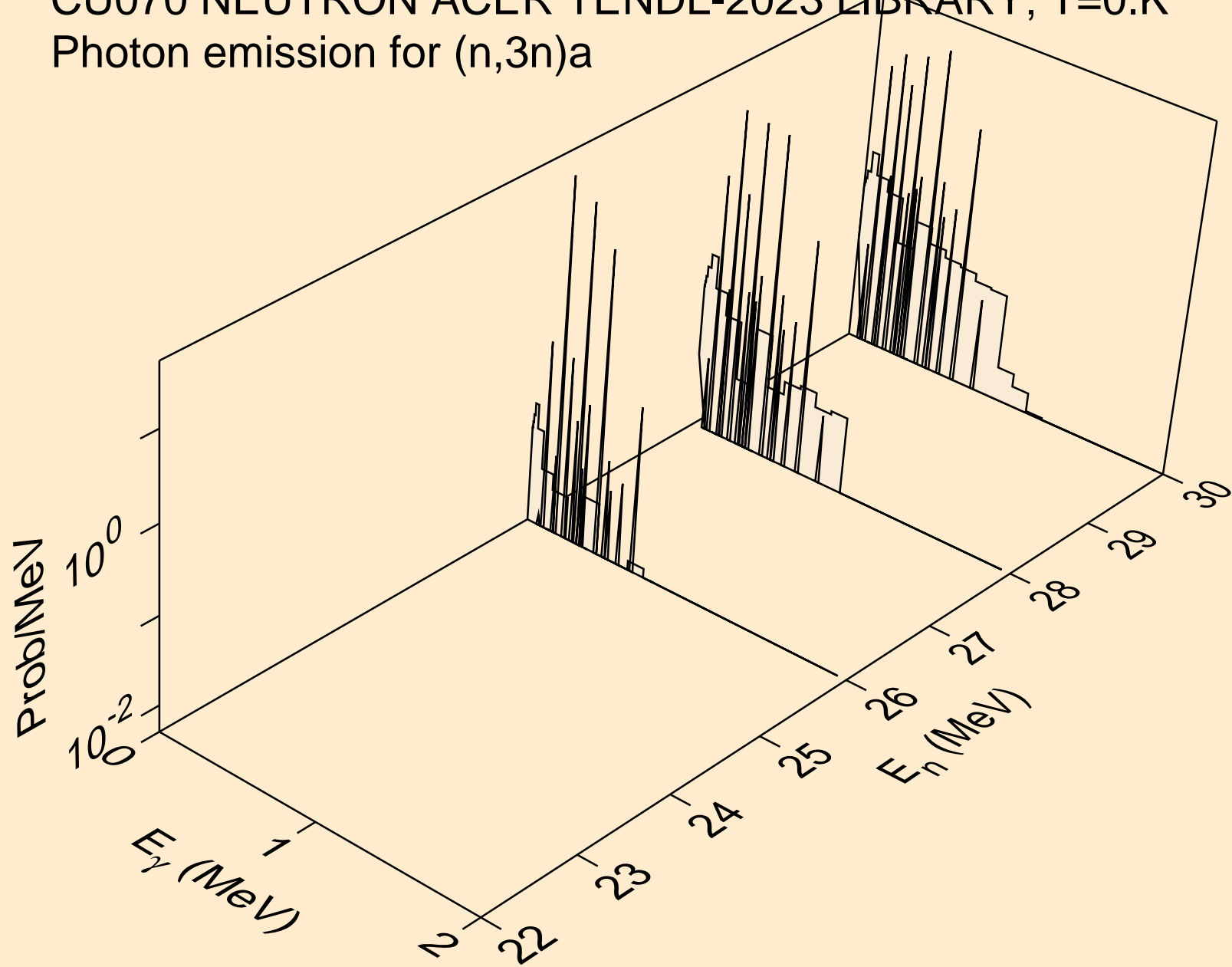


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Photon emission for (n,2n)a

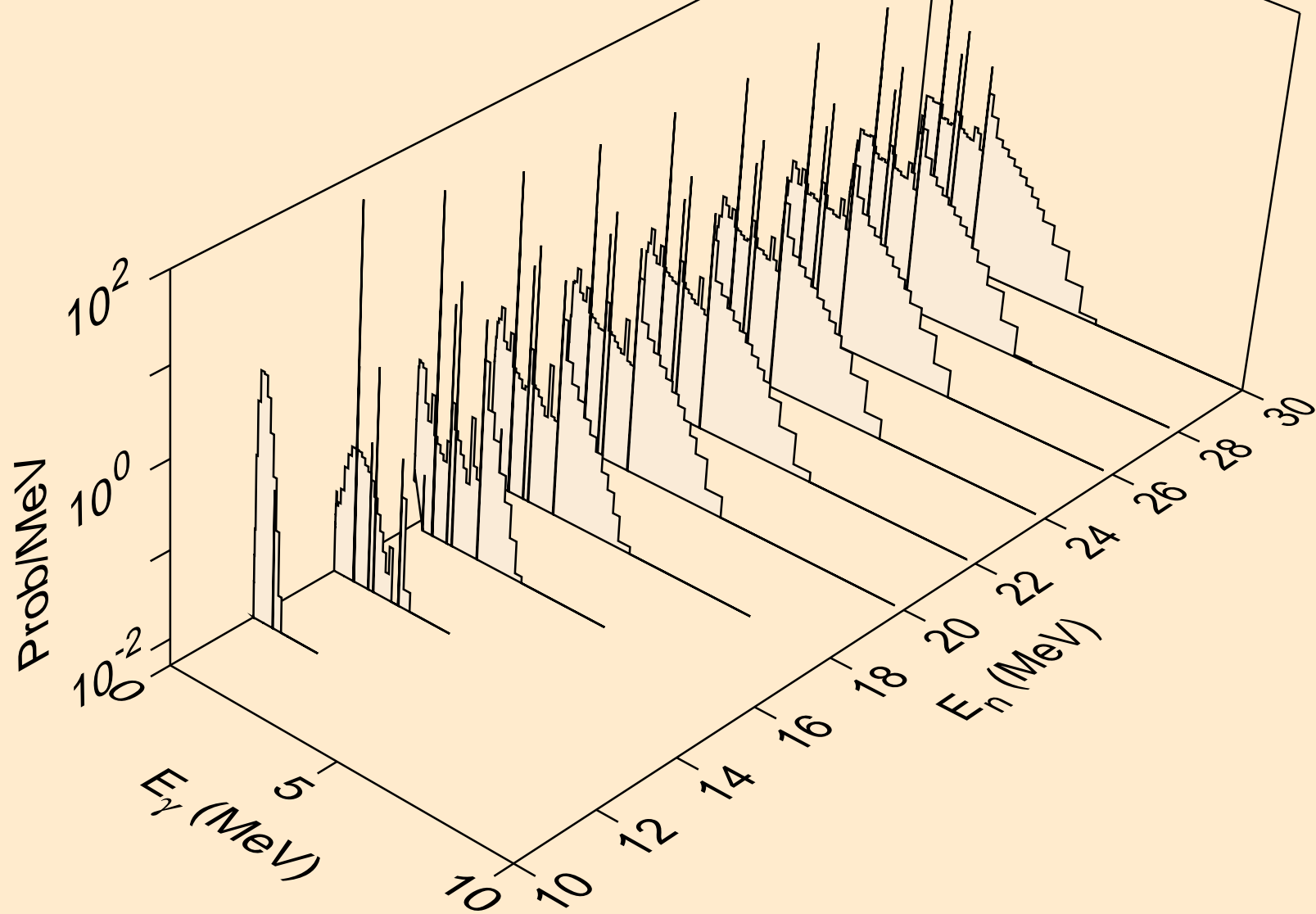




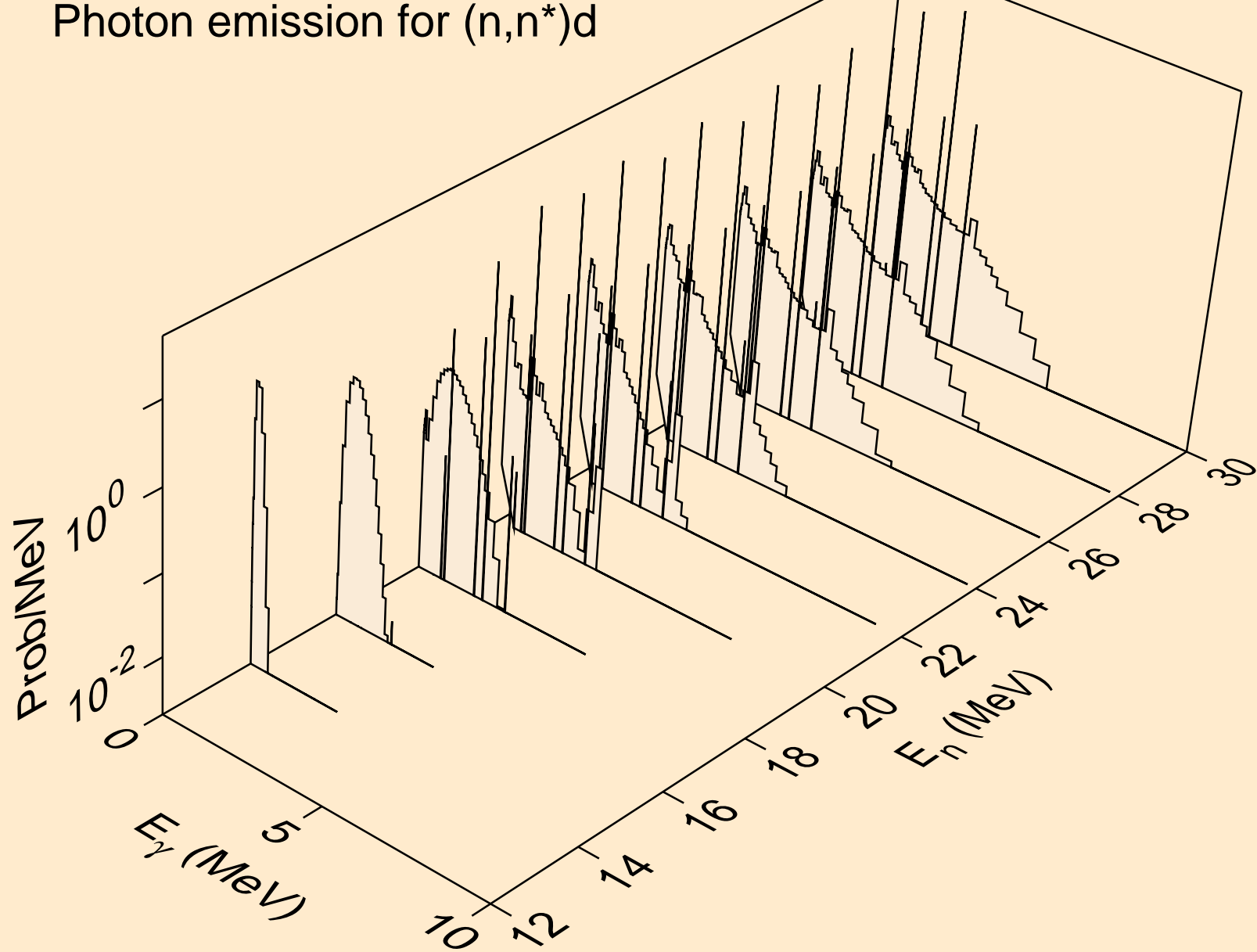
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Photon emission for (n,3n)a



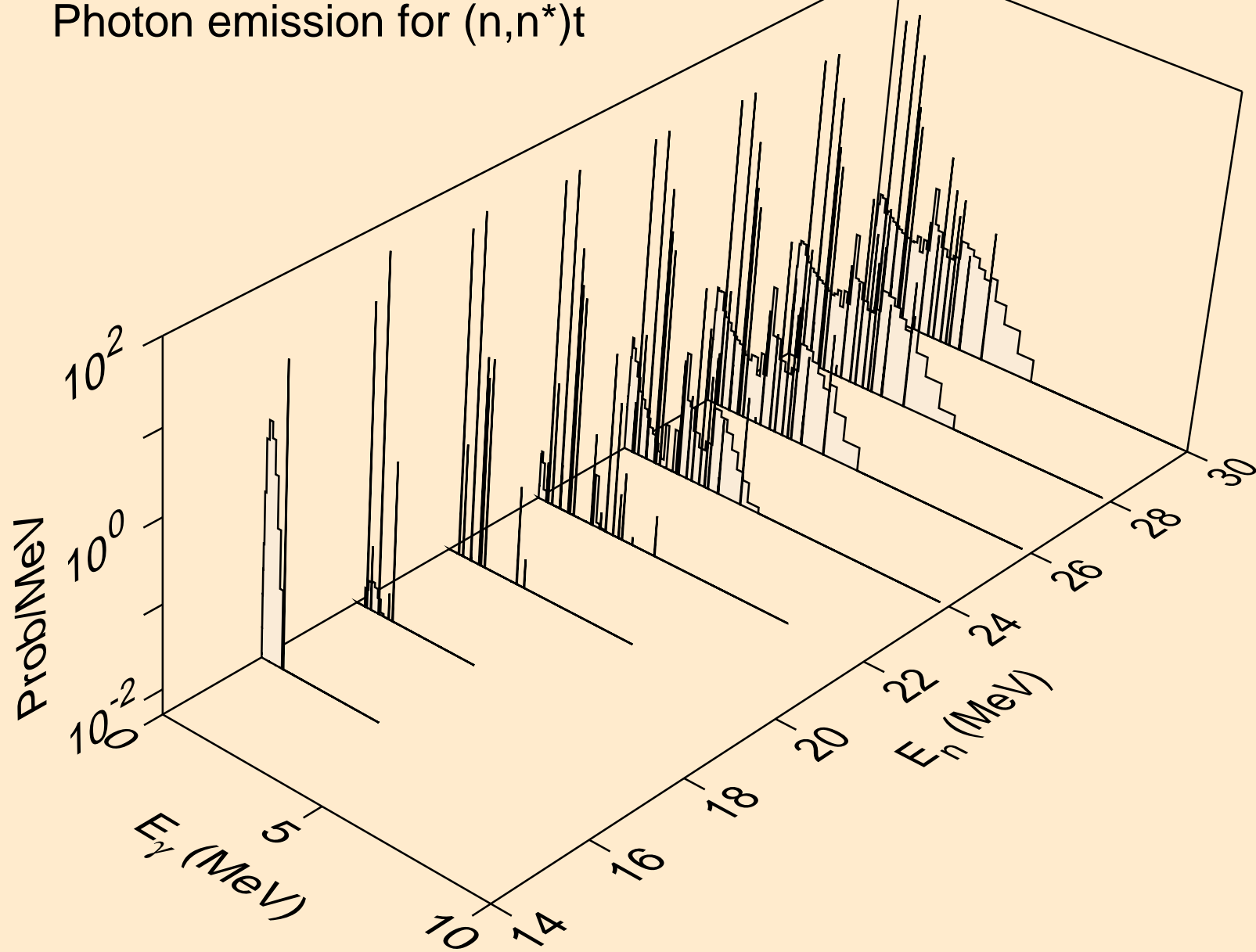
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Photon emission for (n,n\*)p



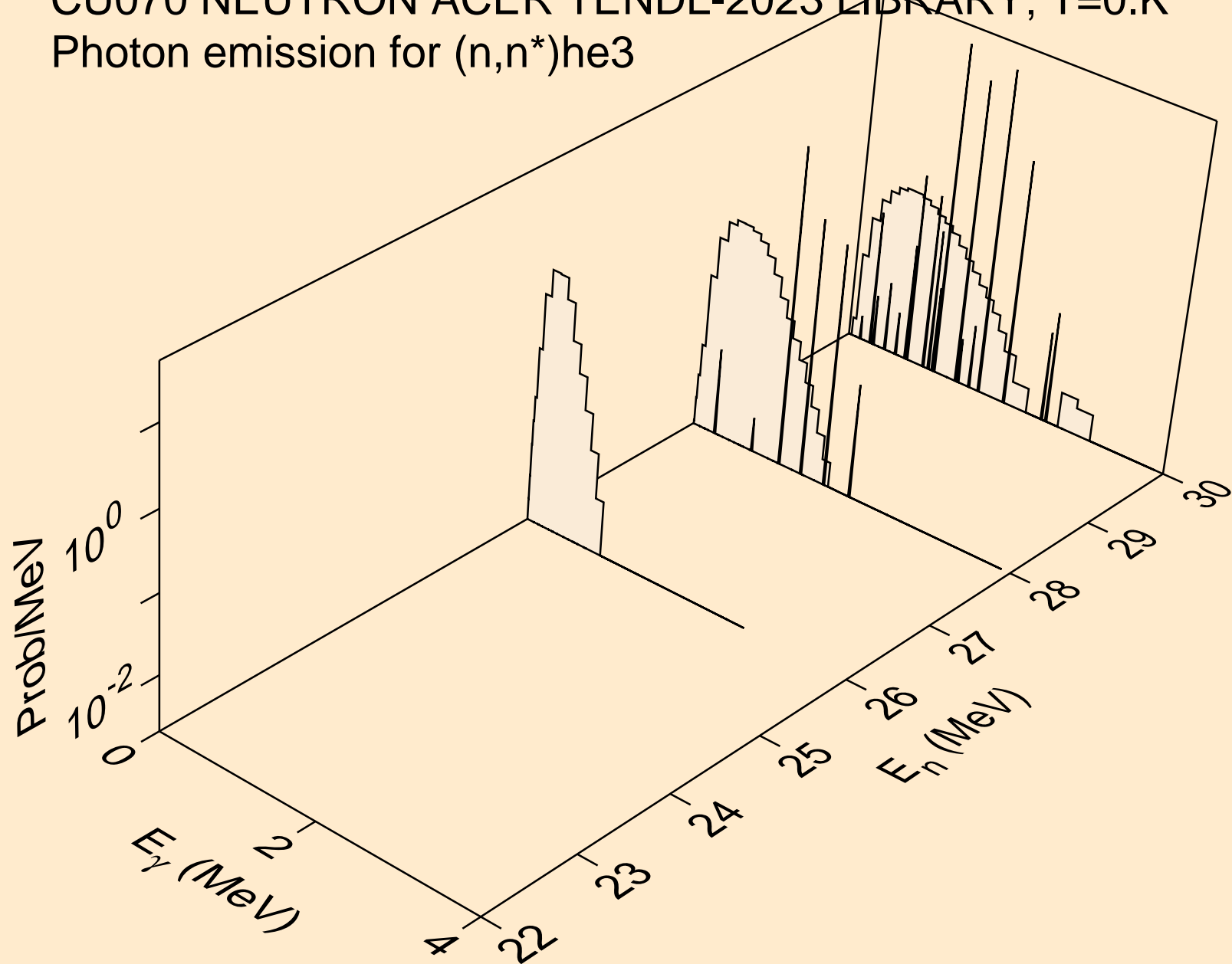
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Photon emission for (n,n\*)d



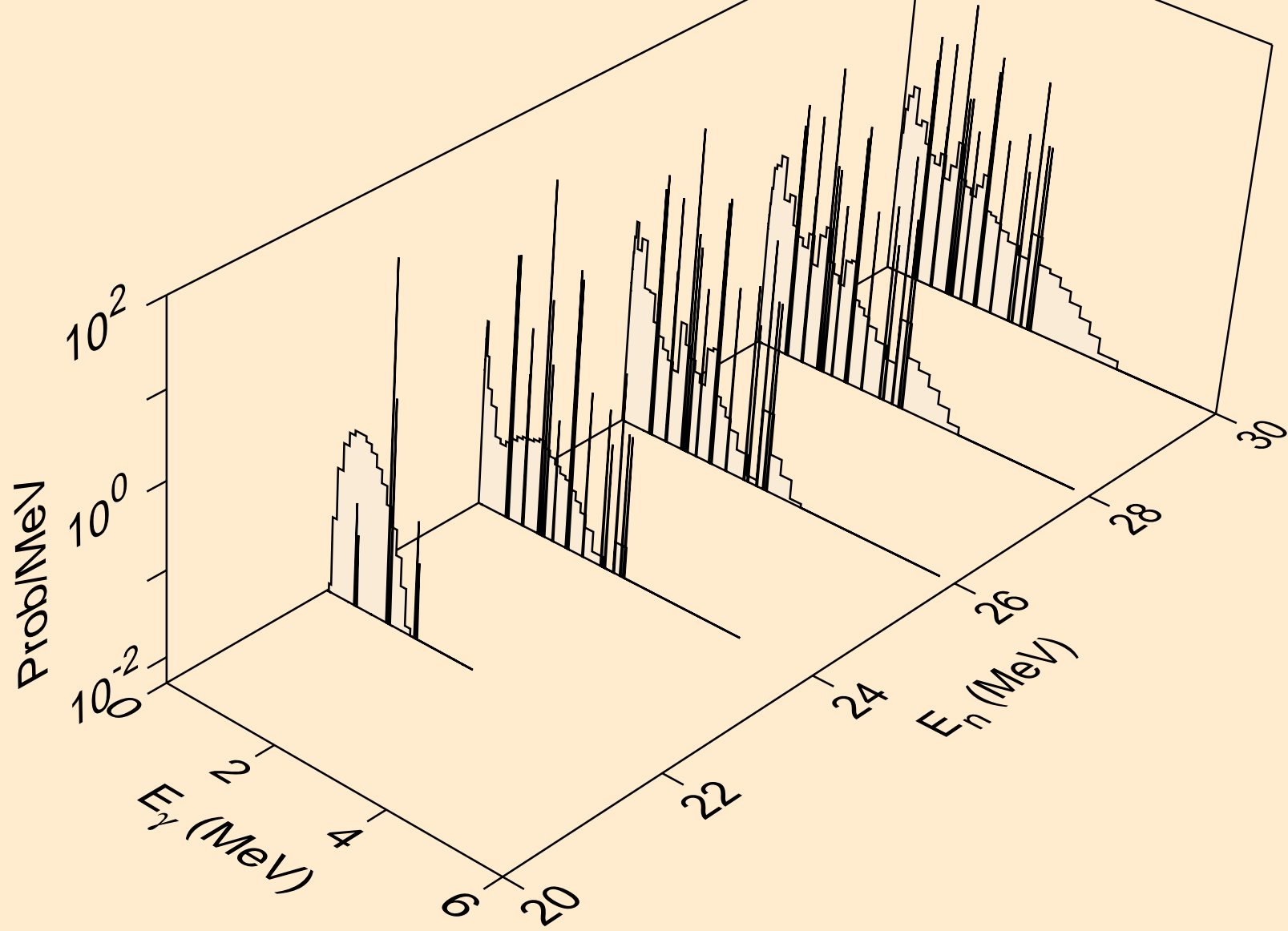
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Photon emission for (n,n\*)t



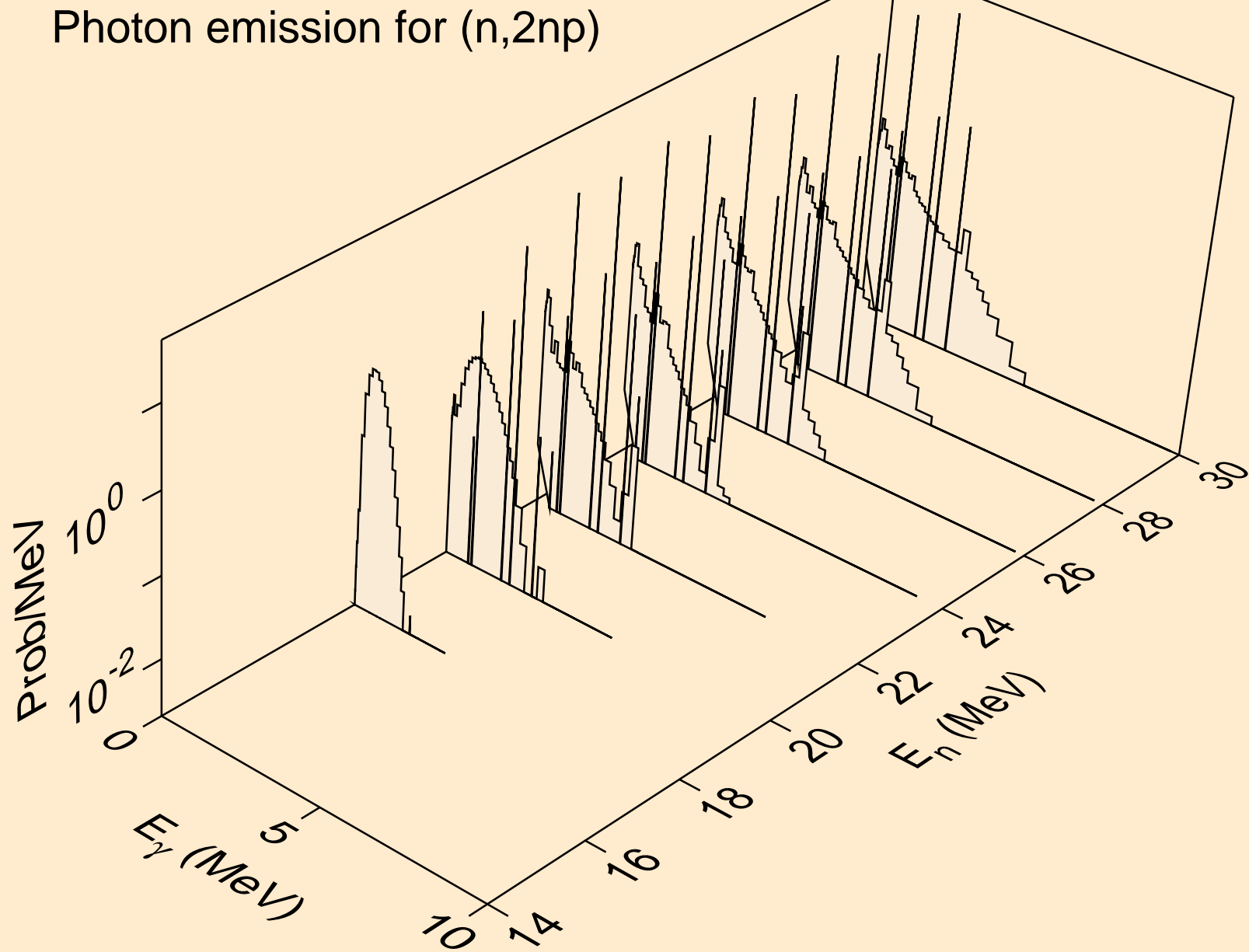
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Photon emission for (n,n\*)he3



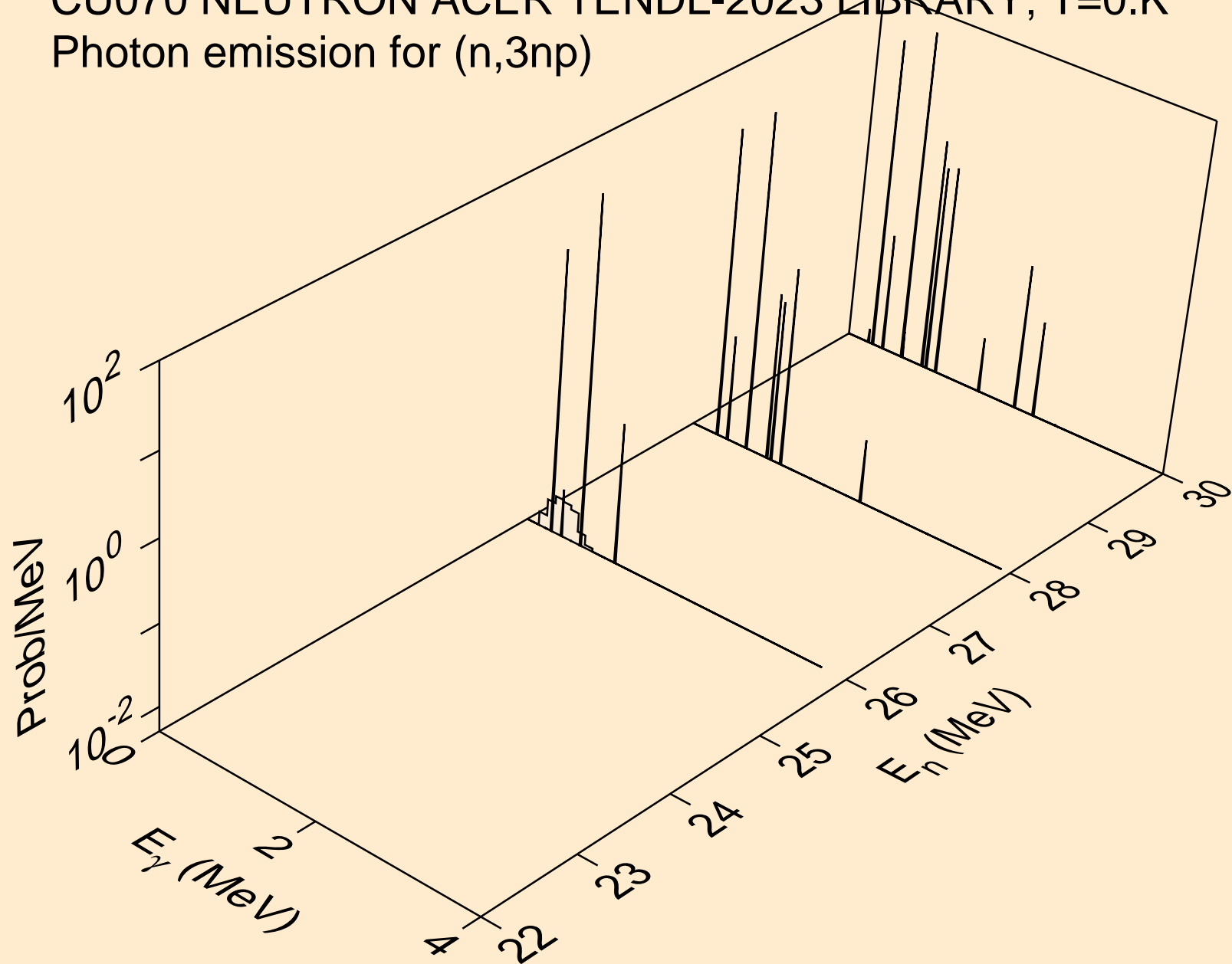
CU070 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,4n)



CU070 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)

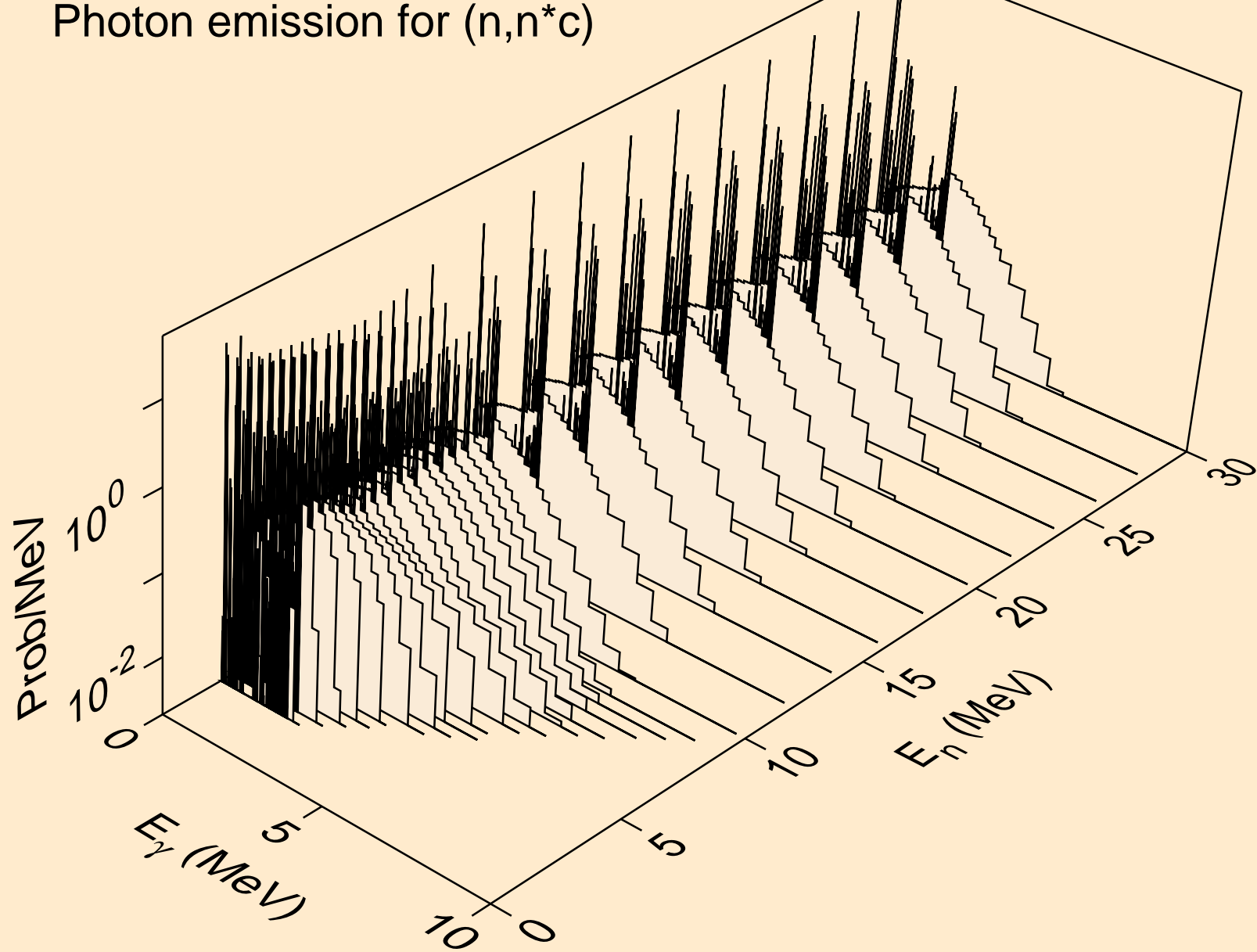


CU070 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3np)

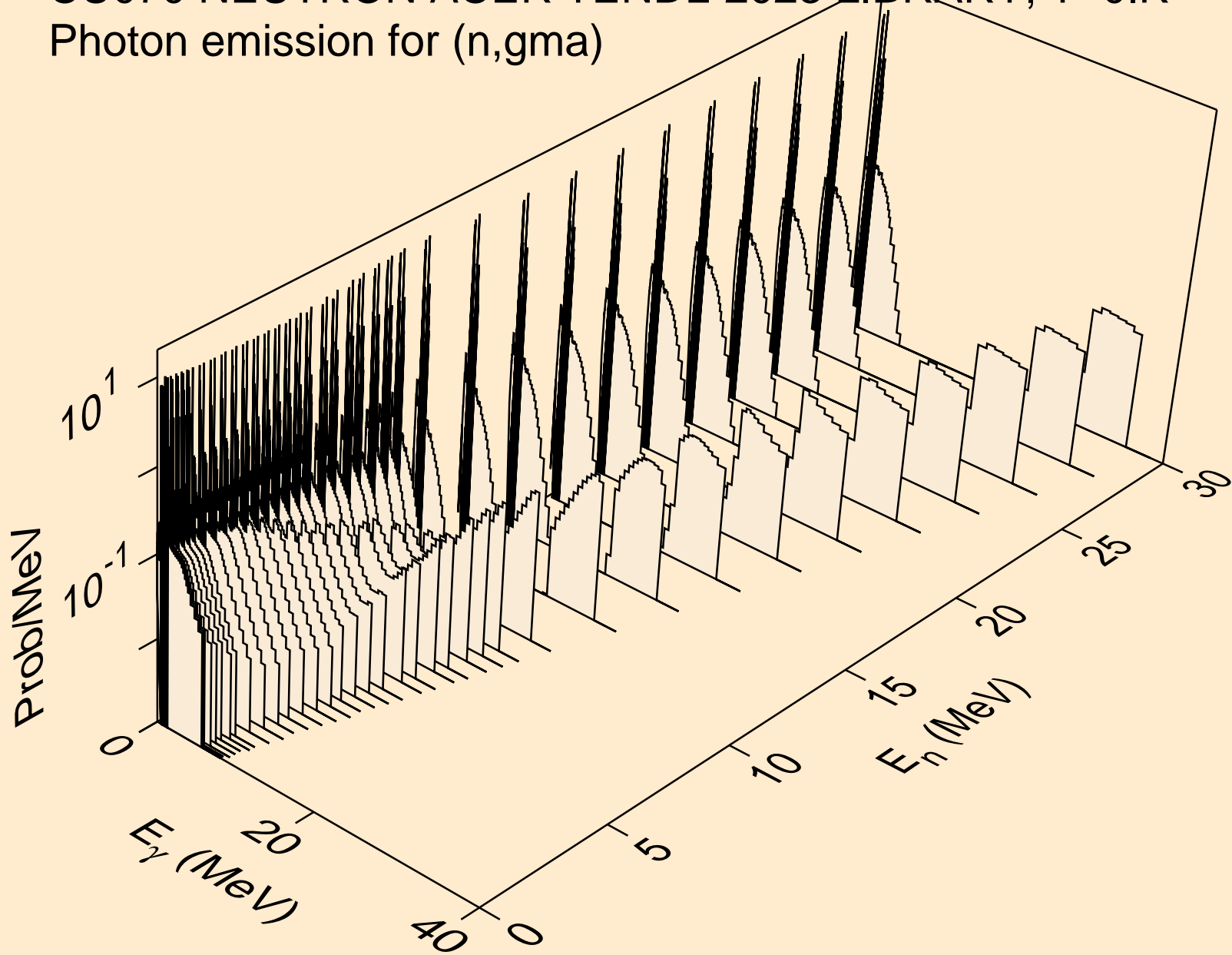




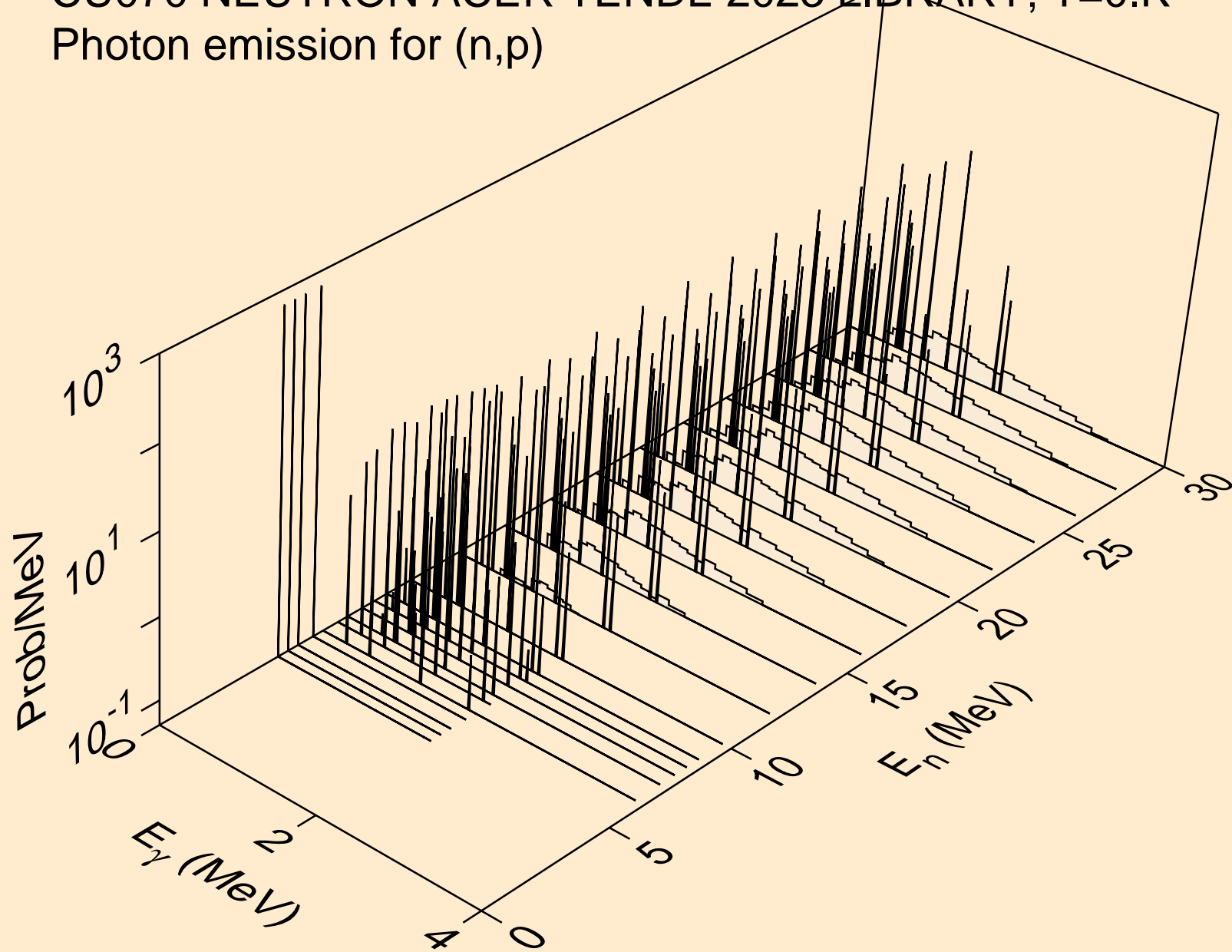
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Photon emission for (n,n\*c)



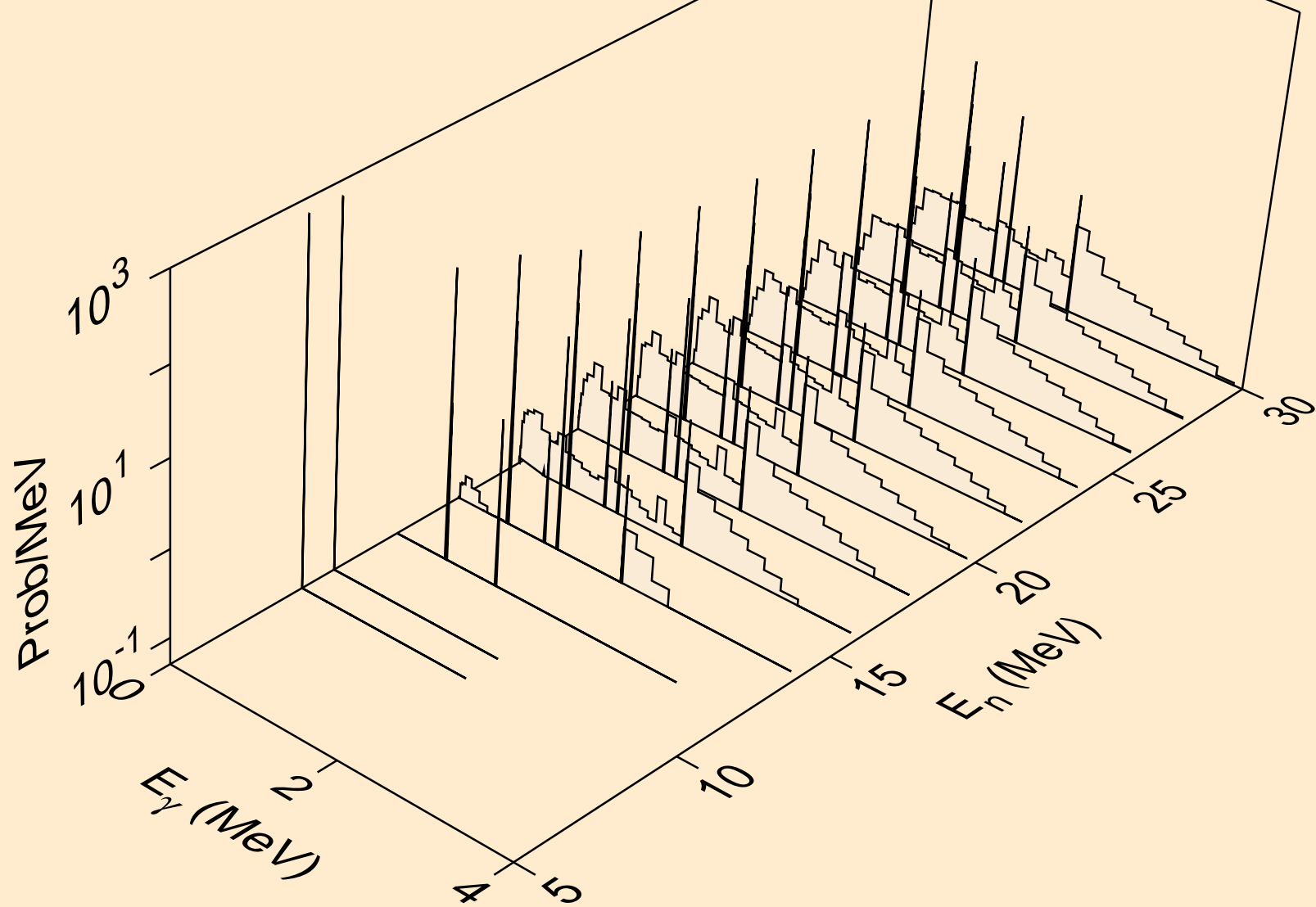
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Photon emission for (n,gma)



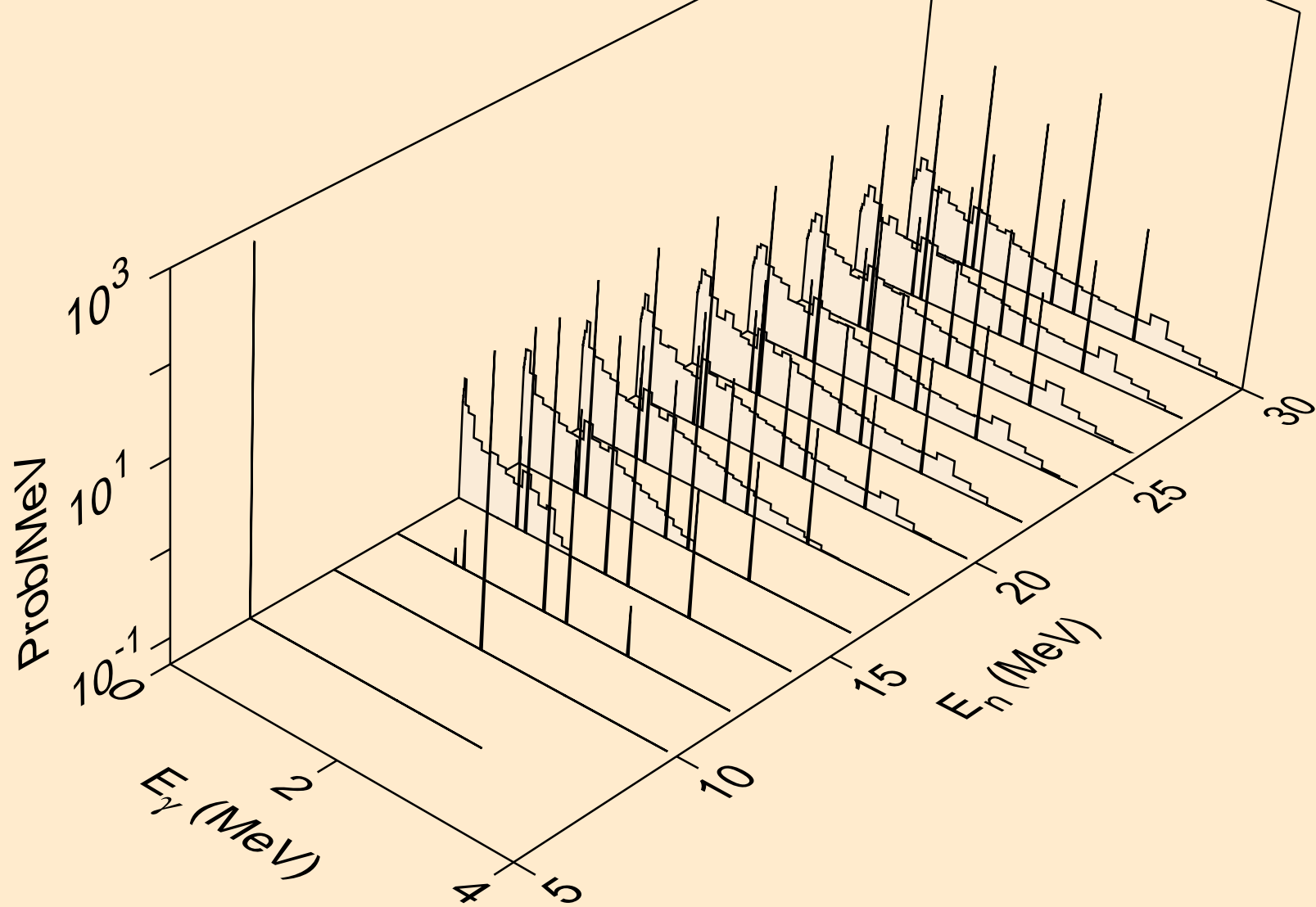
CU070 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)



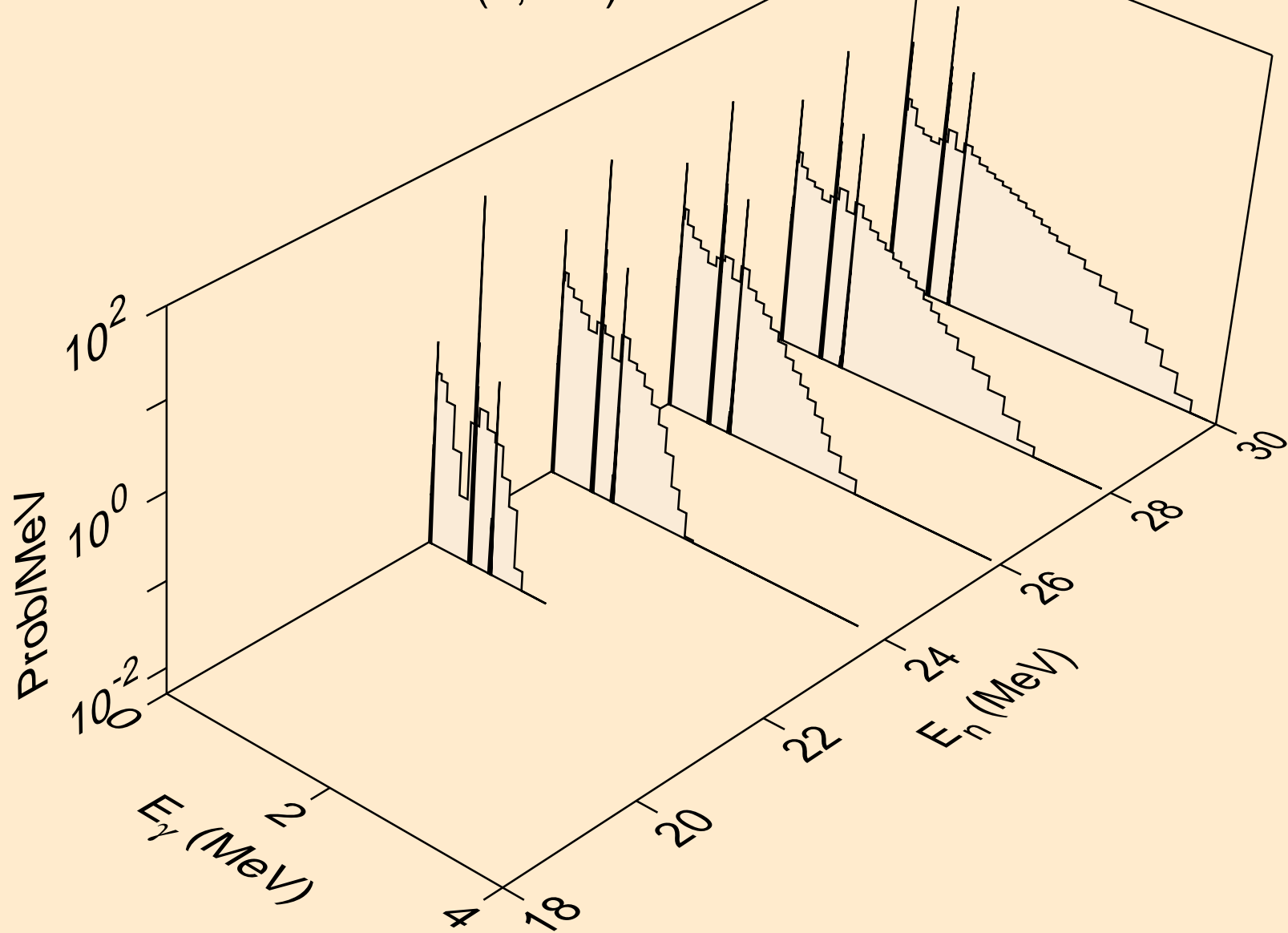
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Photon emission for (n,d)



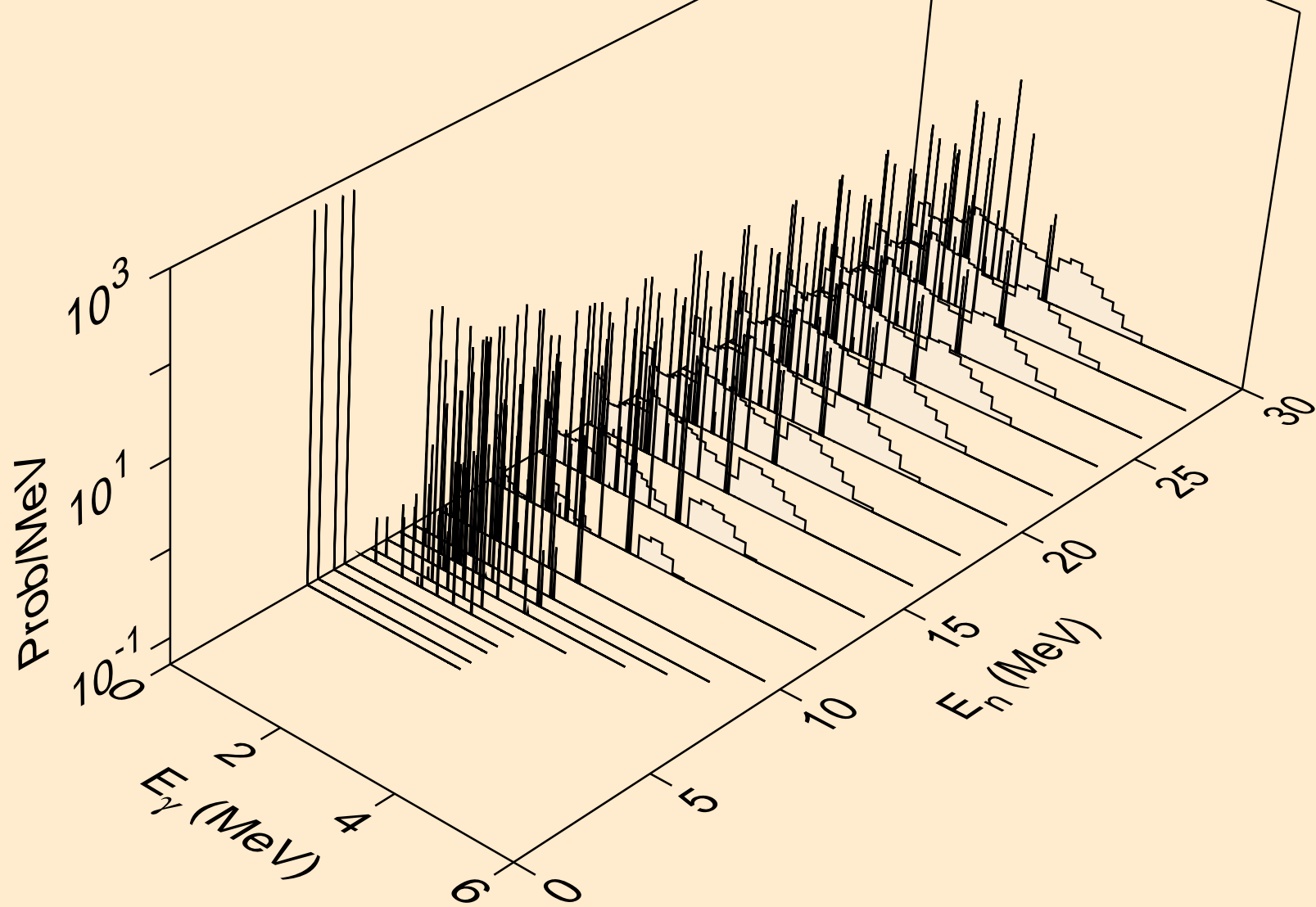
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Photon emission for (n,t)



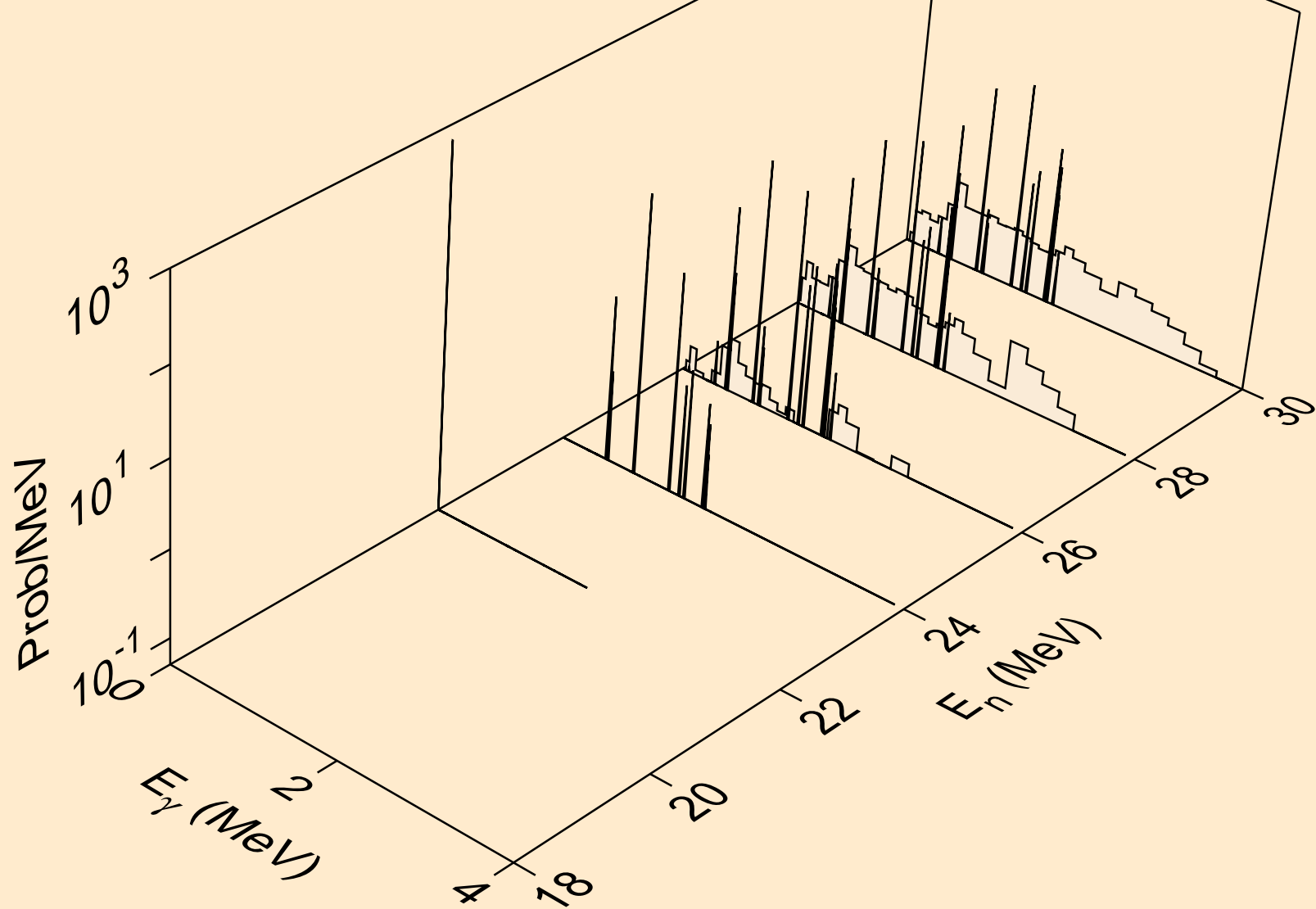
CU070 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)



CU070 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)

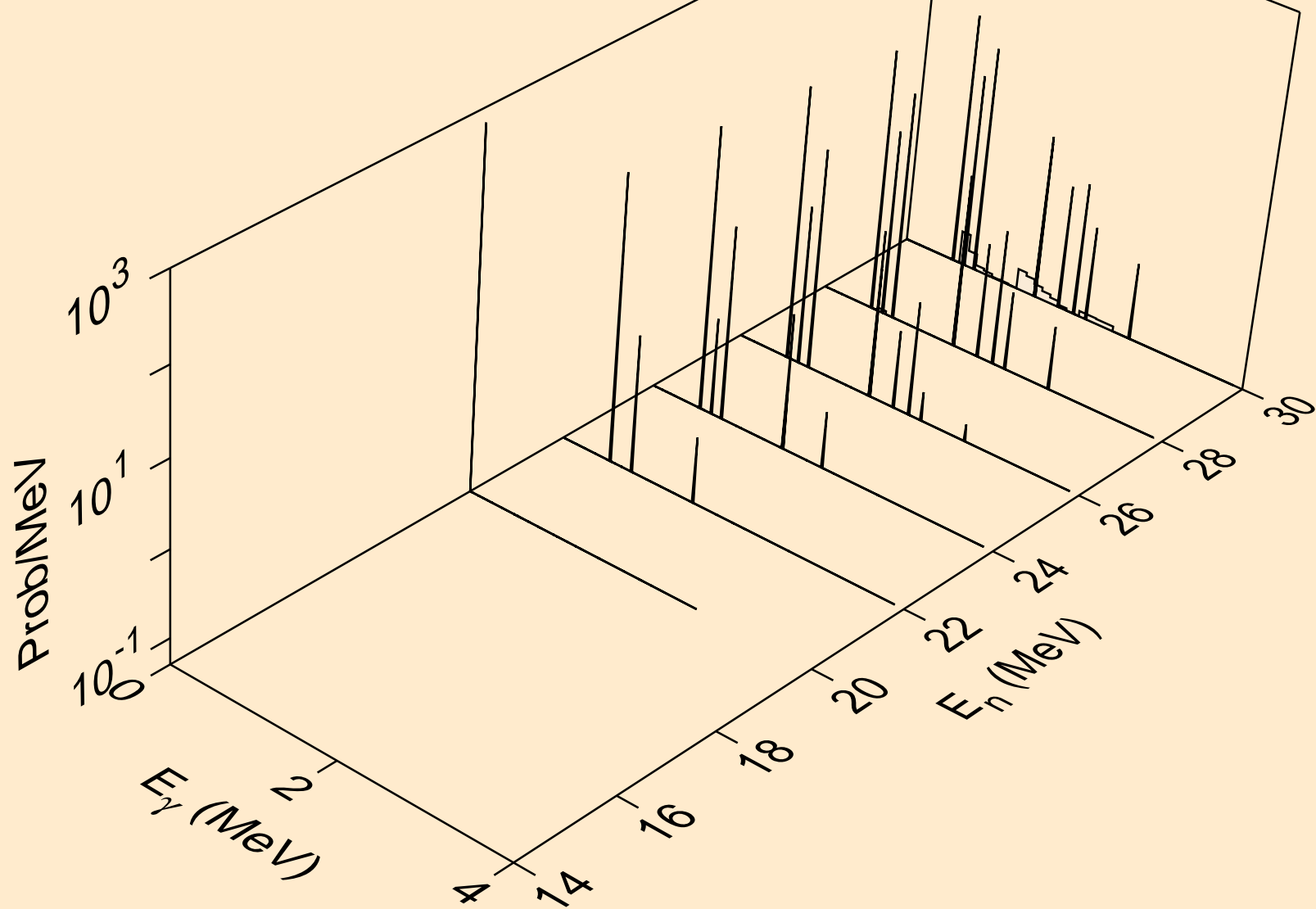


CU070 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)

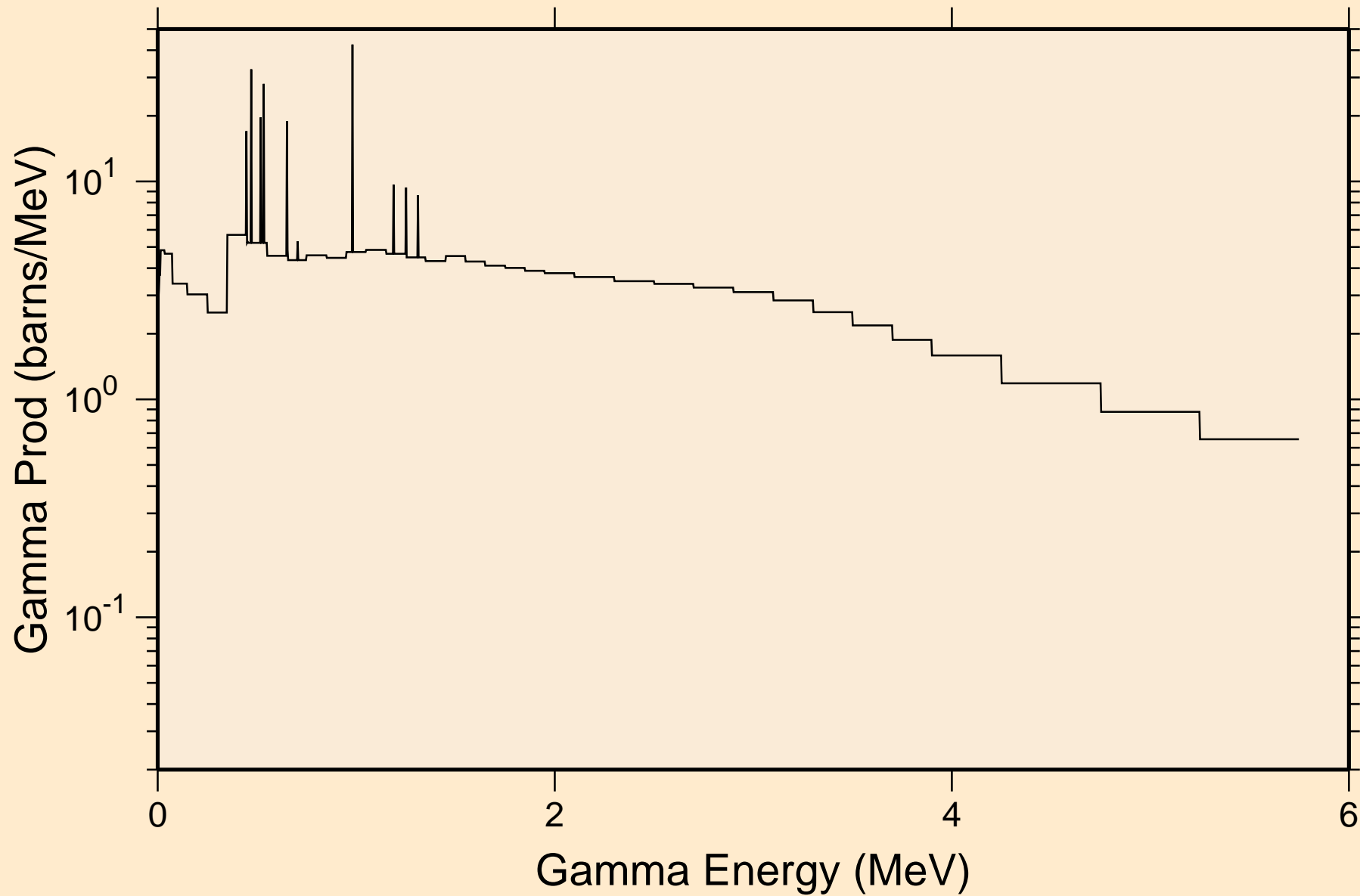




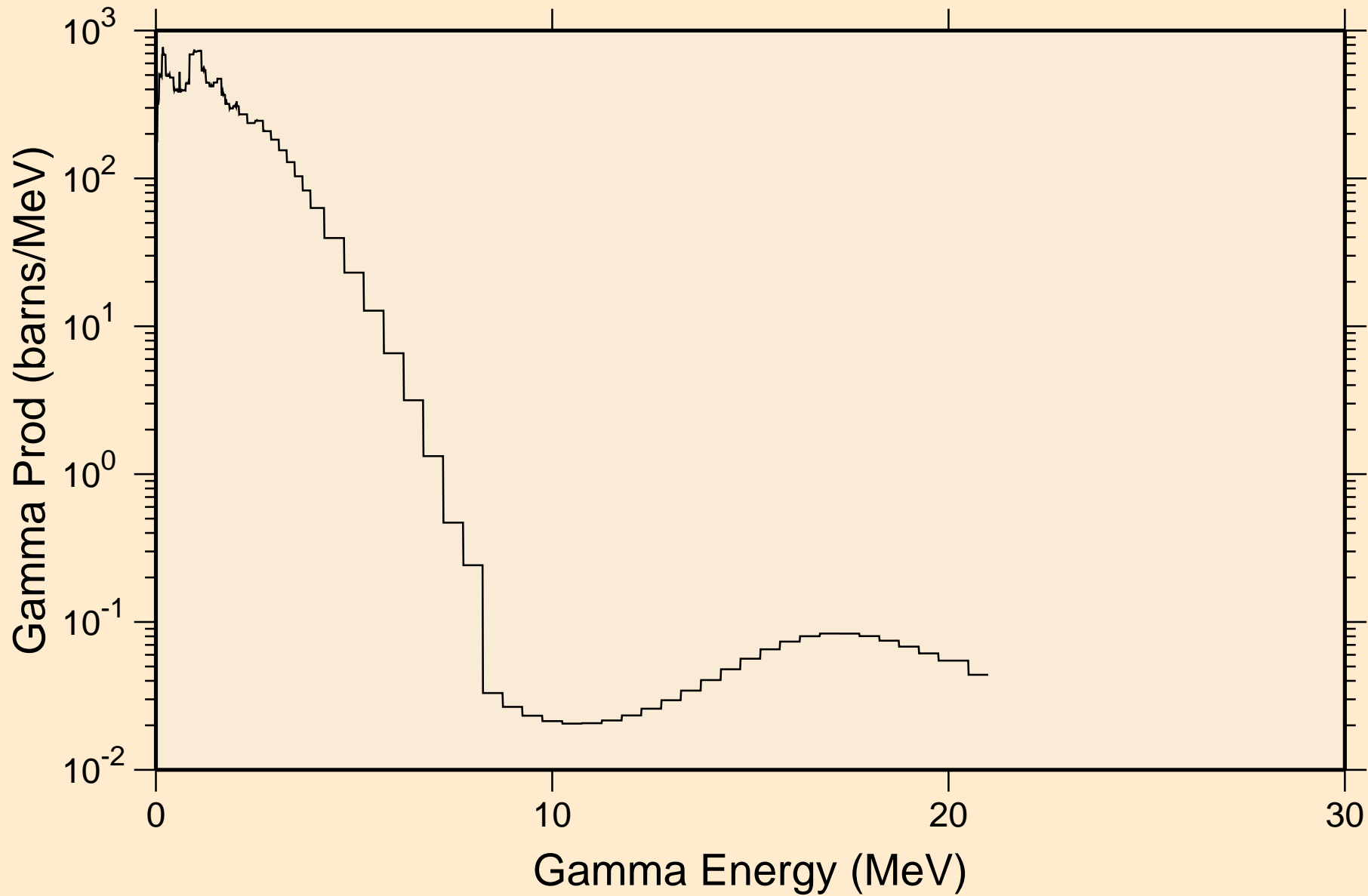
CU070 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)



CU070 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
thermal capture photon spectrum

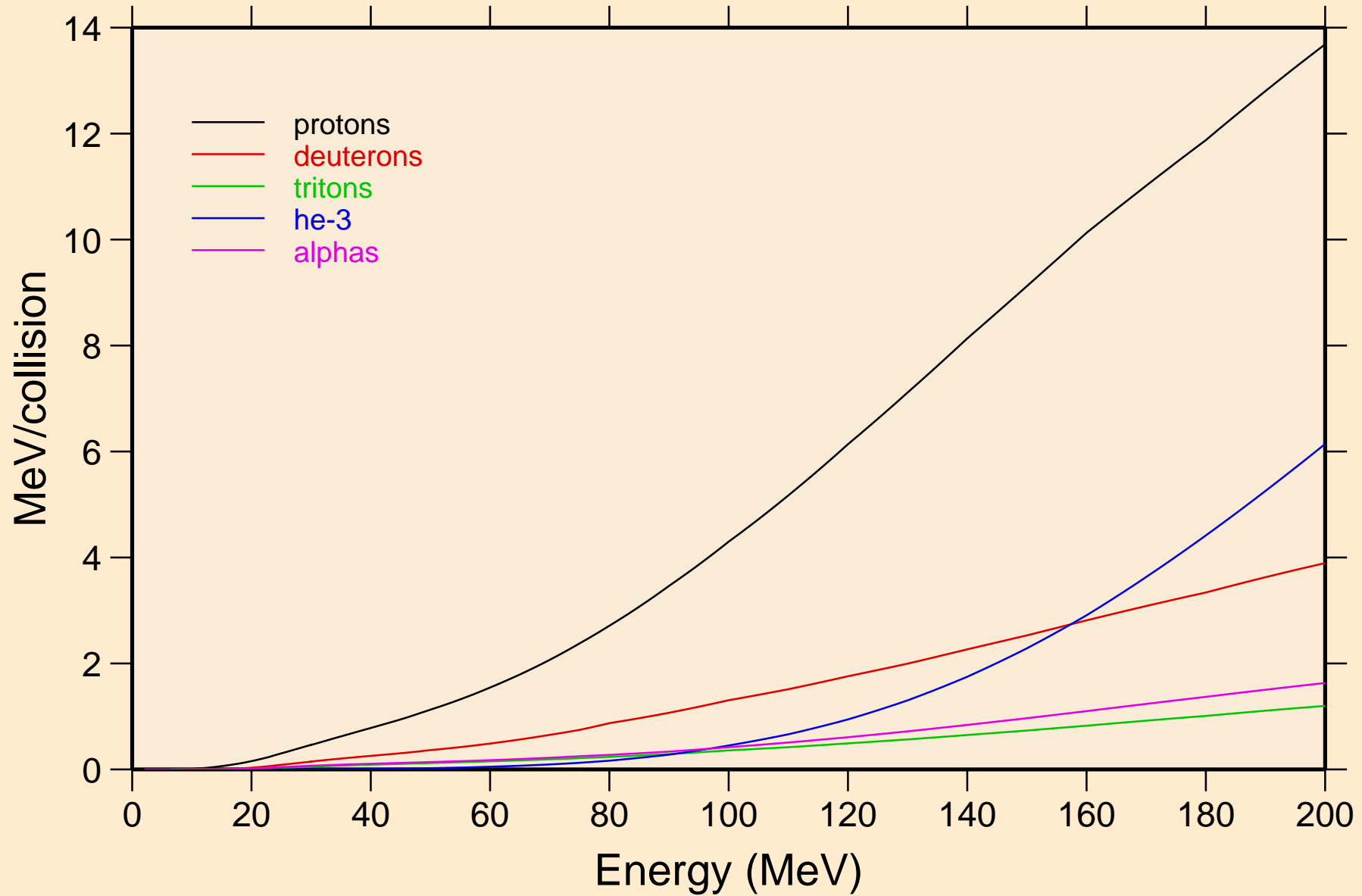


CU070 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
14 MeV photon spectrum

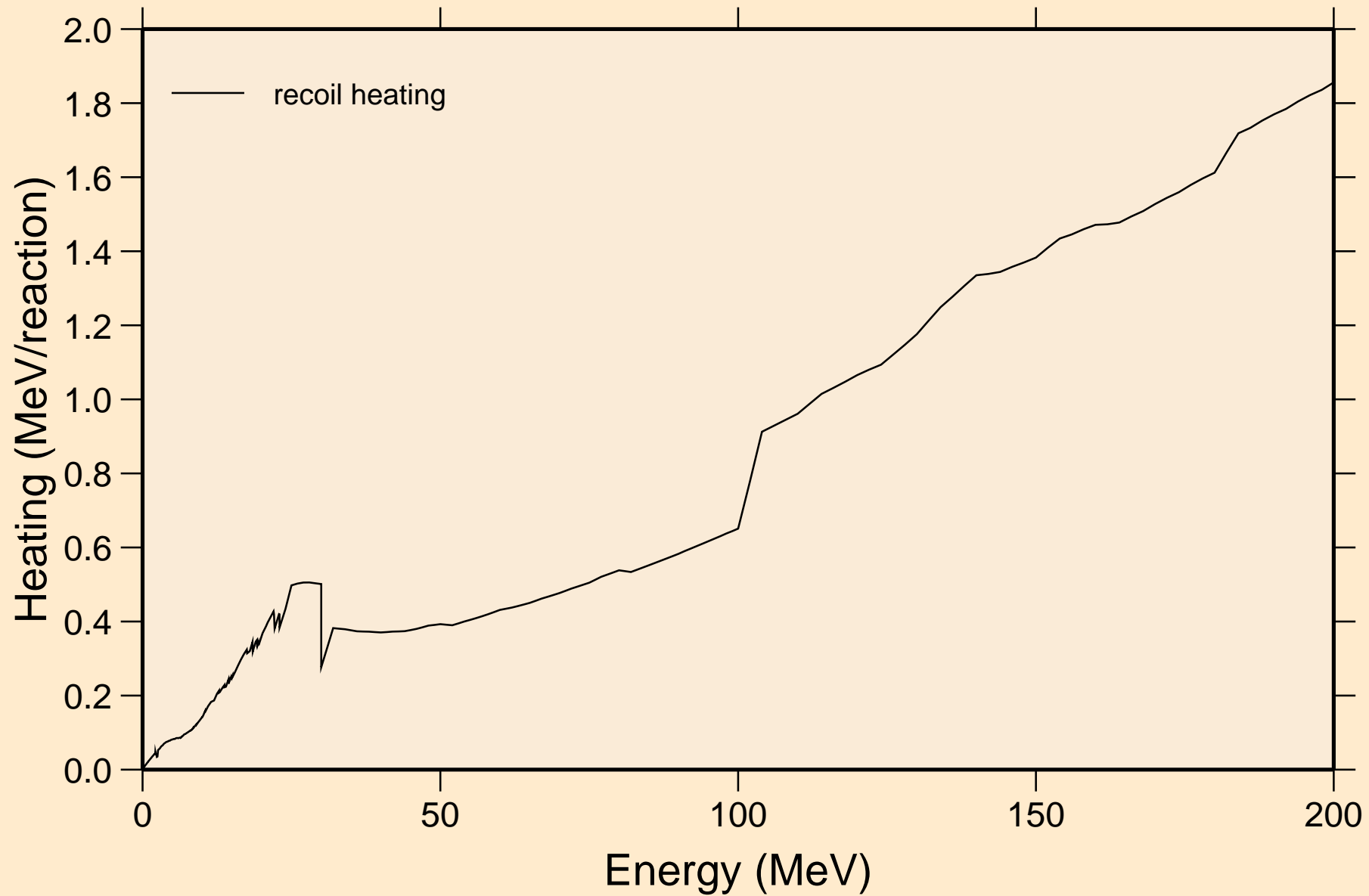


# CU070 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

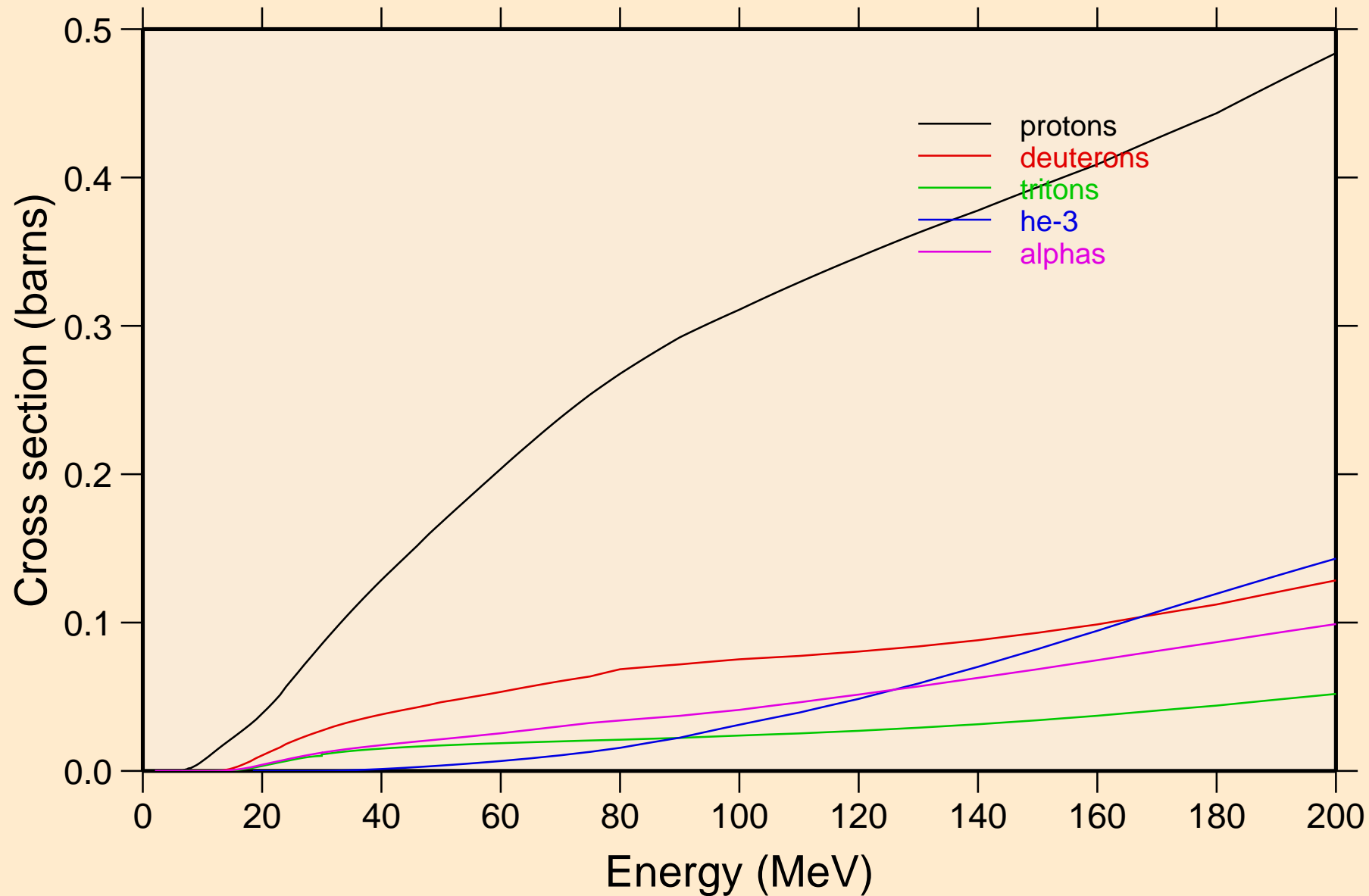
## Particle heating contributions



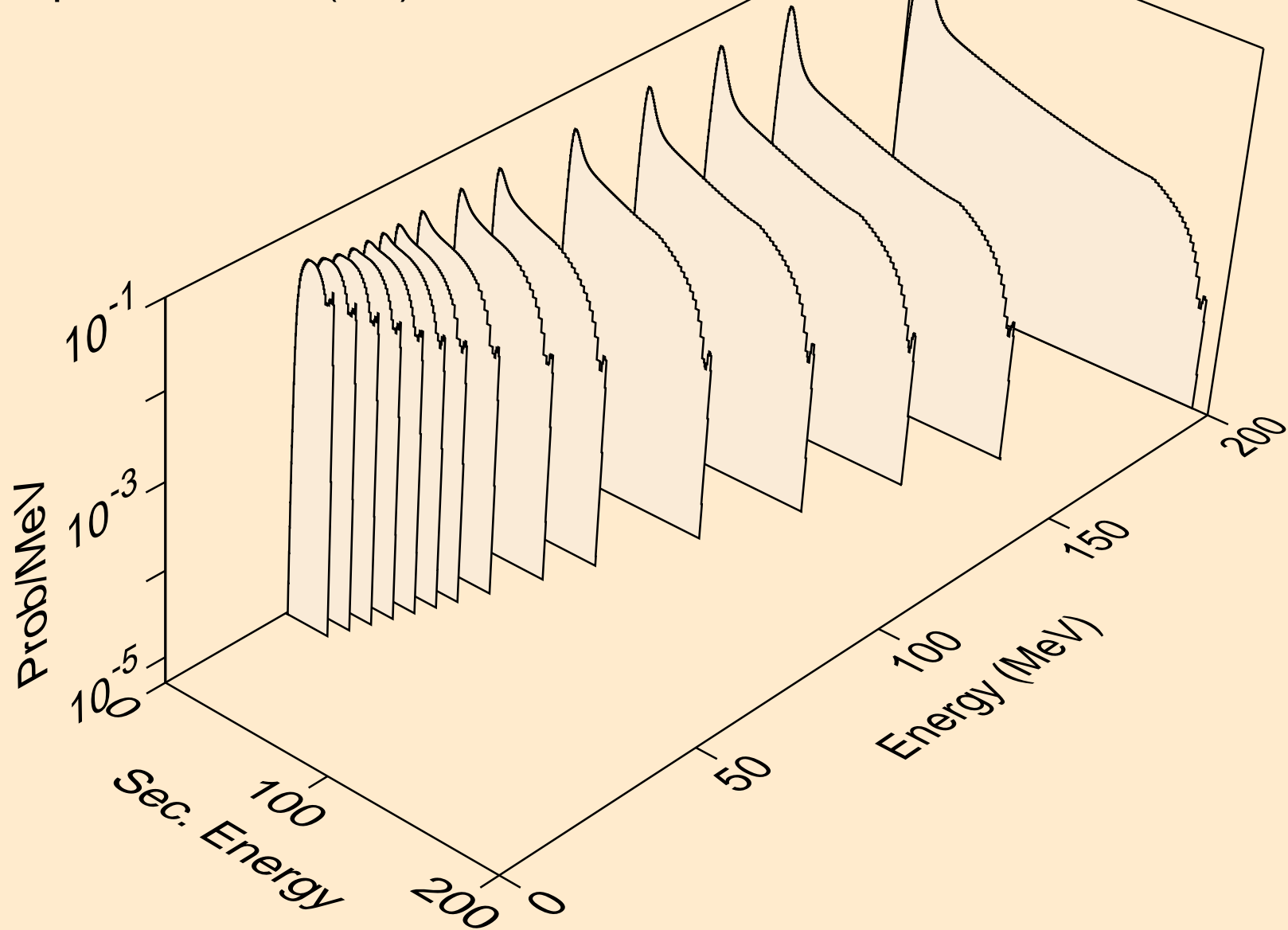
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Recoil Heating



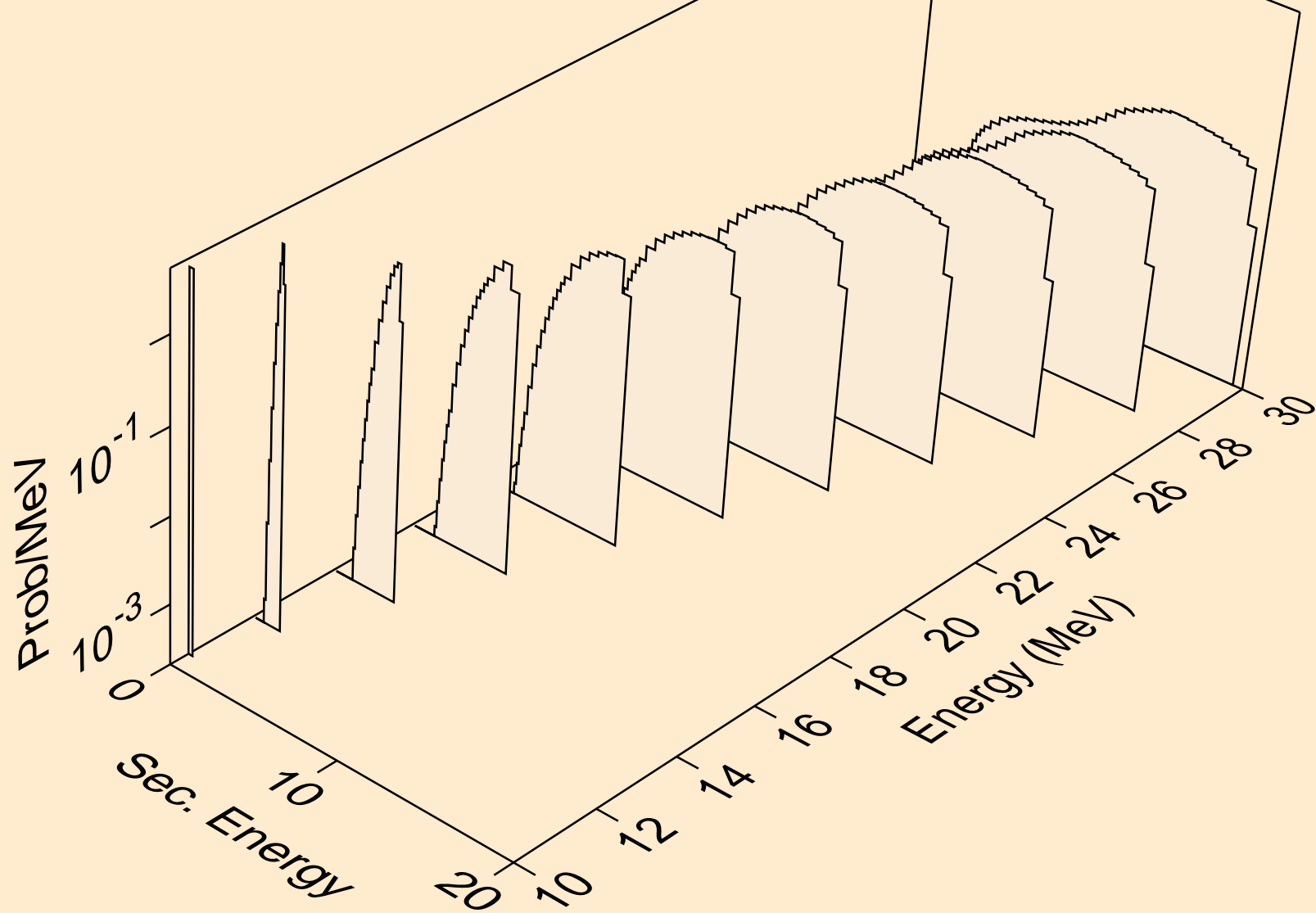
CU070 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Particle production cross sections



CU070 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,x)

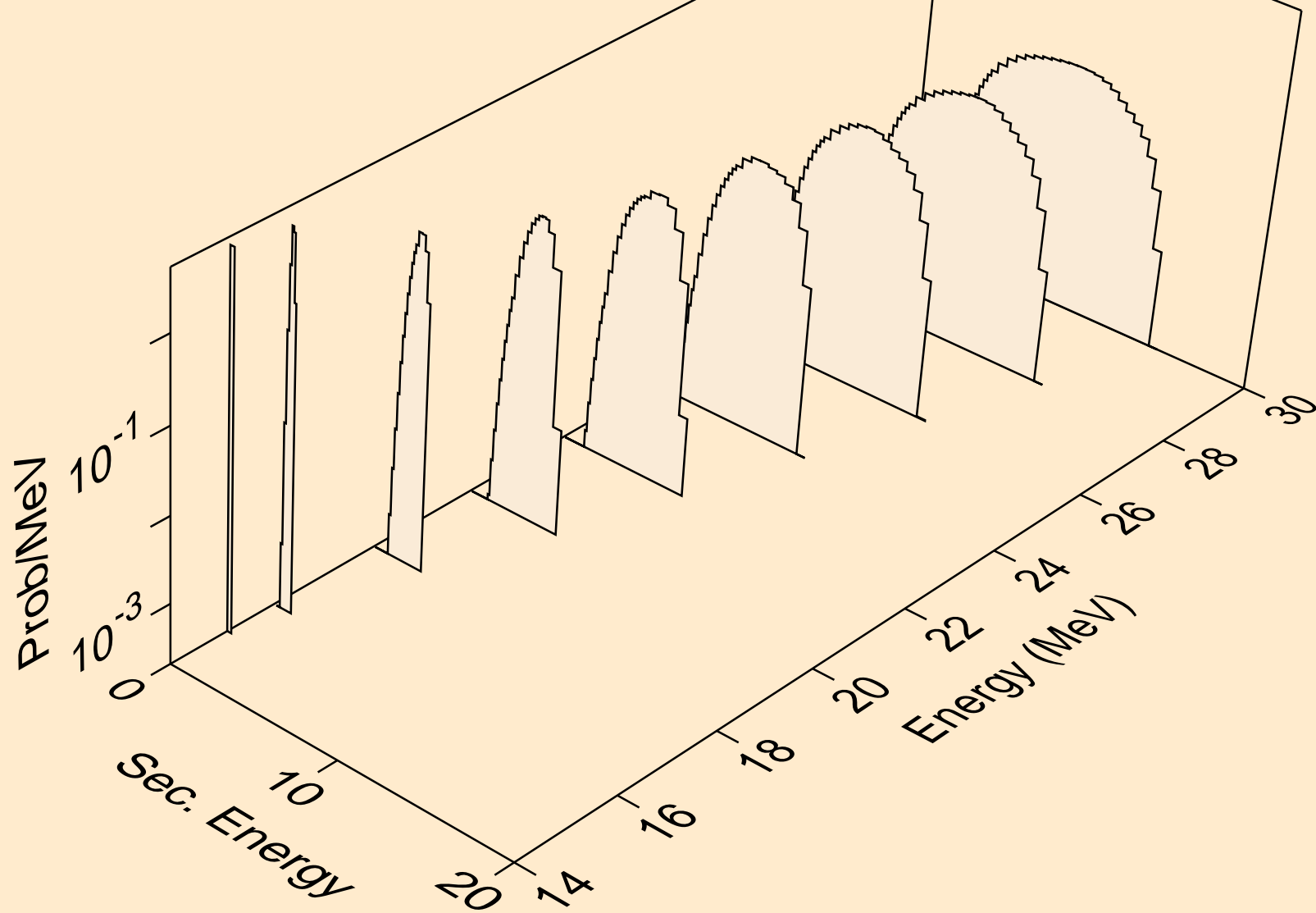


CU070 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n\*)p

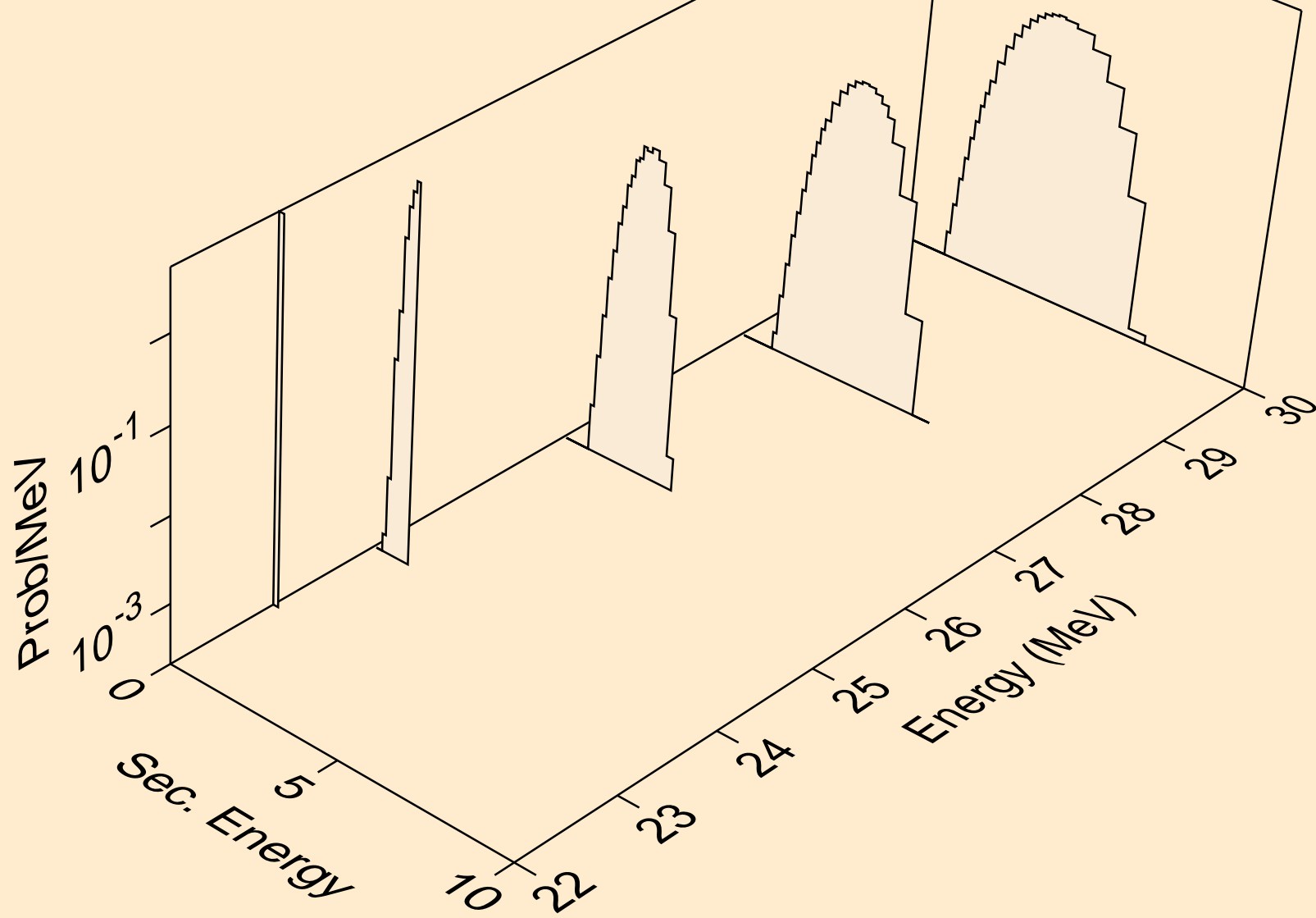




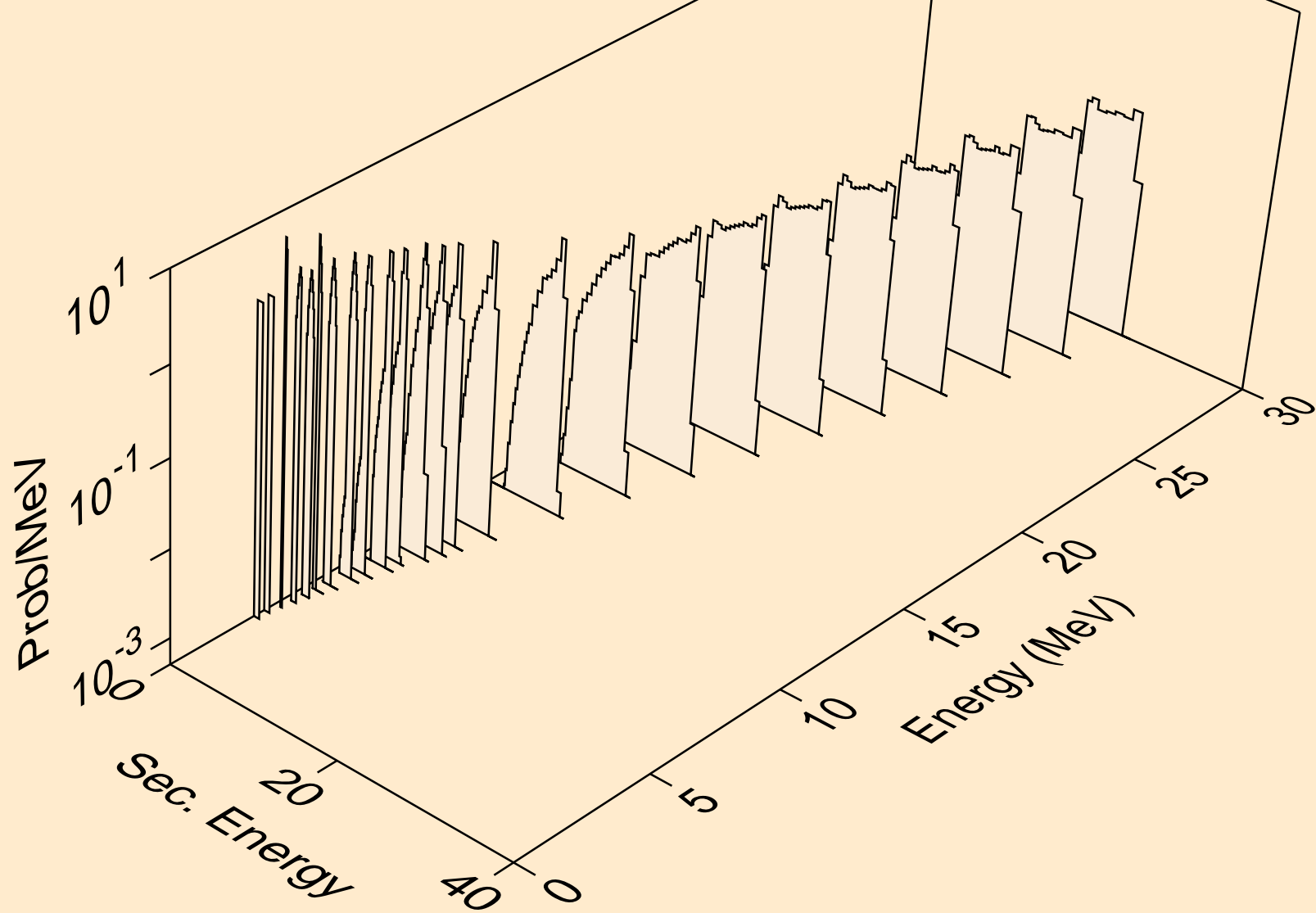
CU070 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,2np)



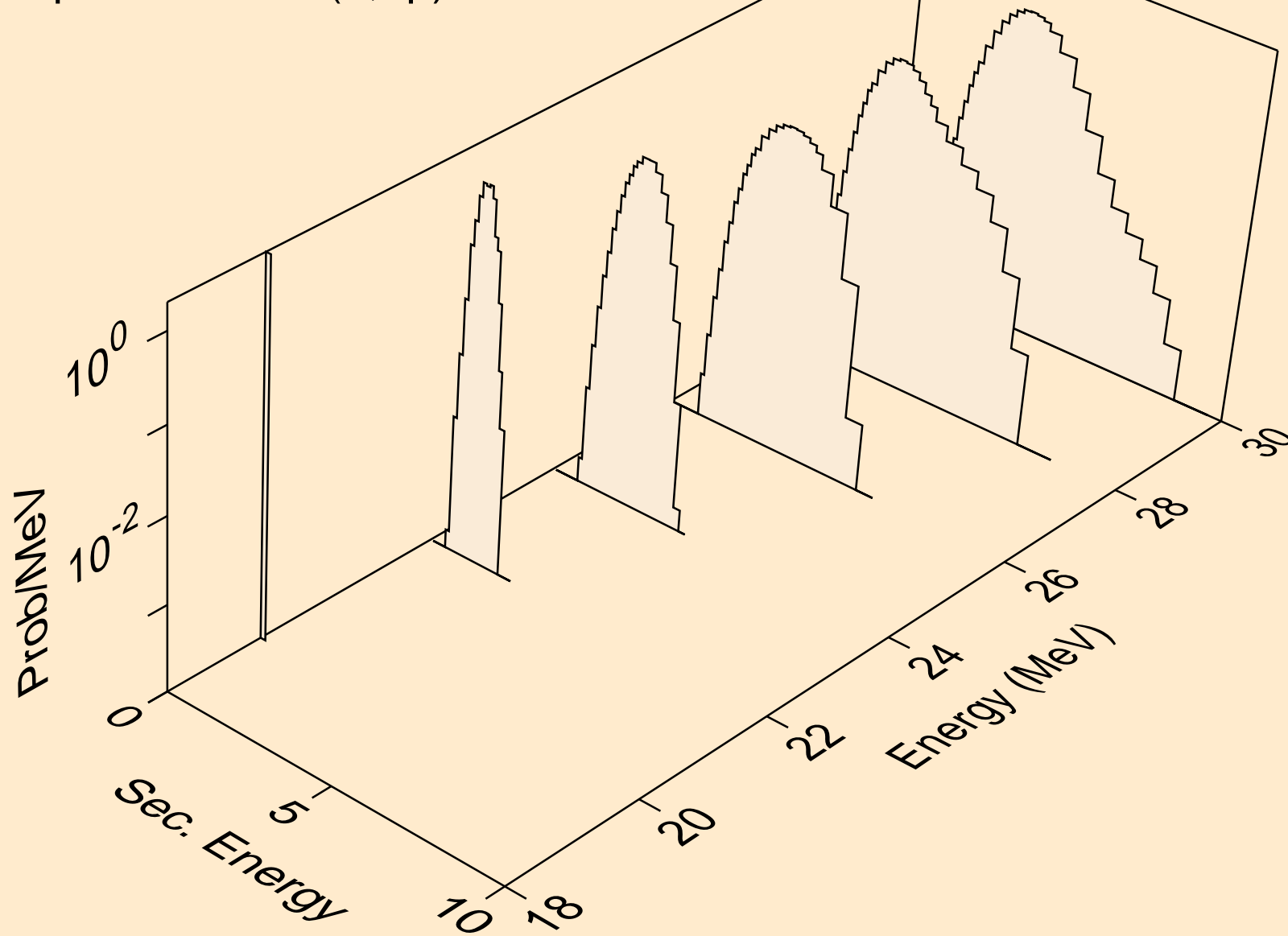
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protons from (n,3np)



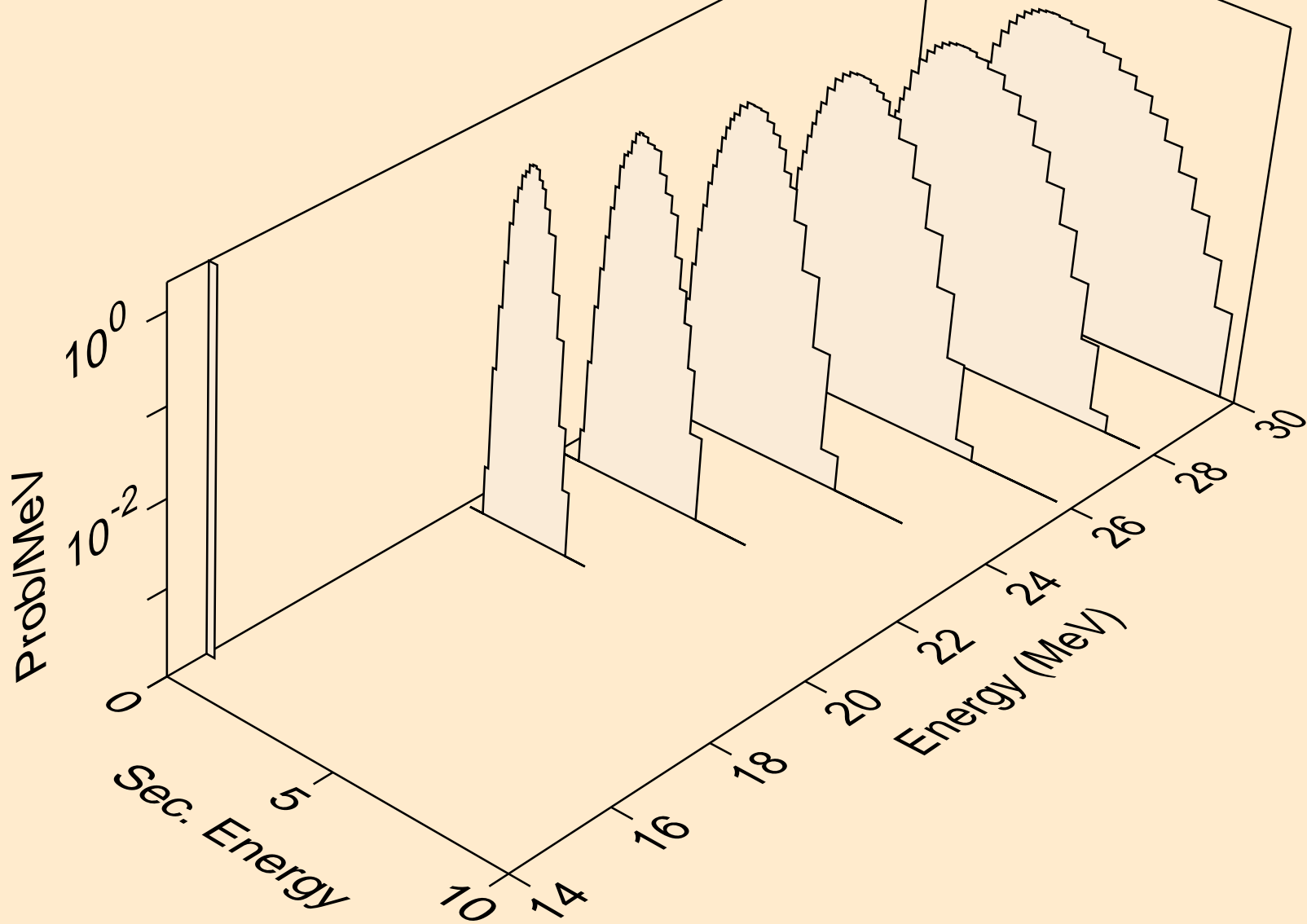
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protons from (n,p)



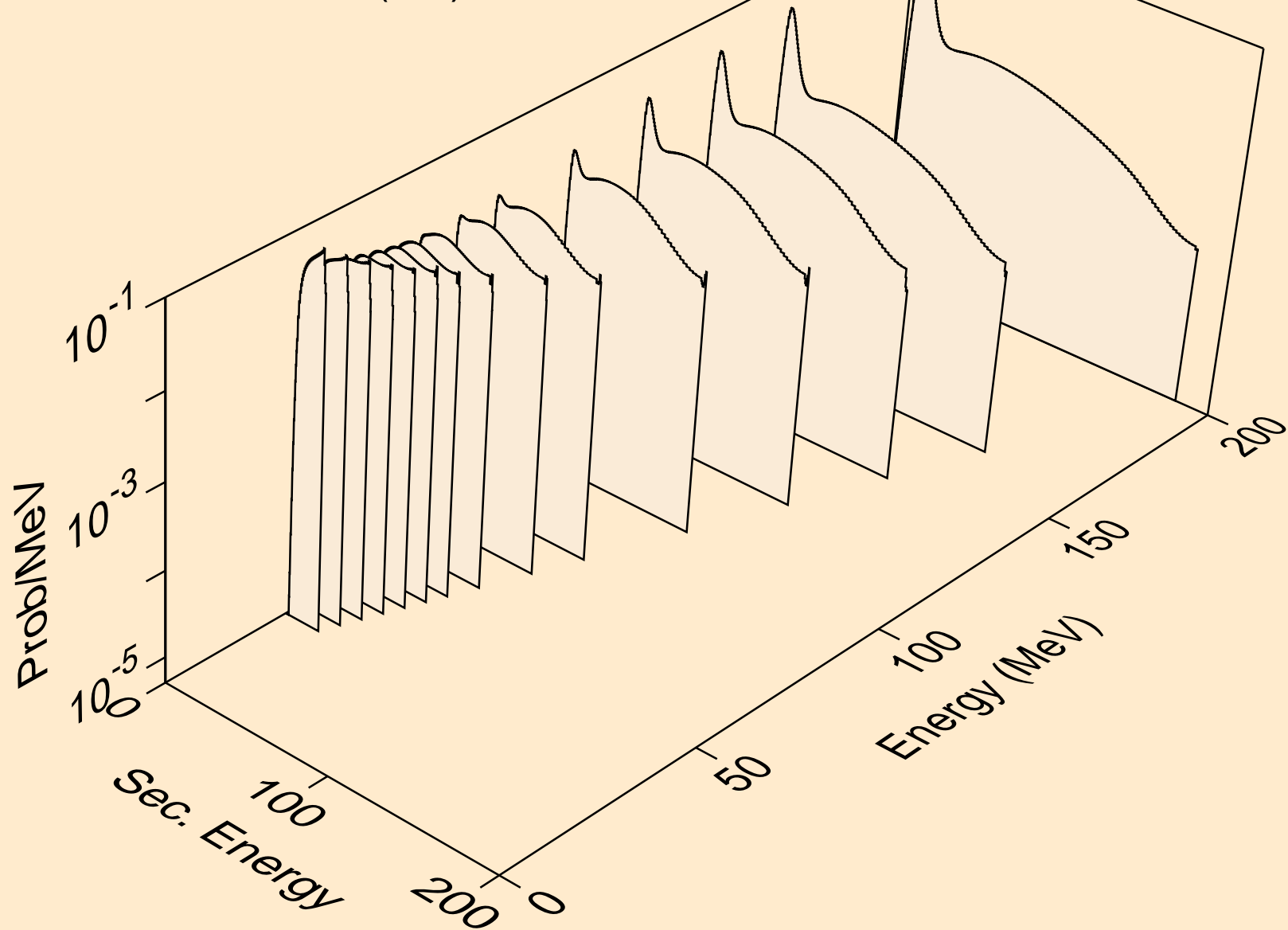
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protons from (n,2p)



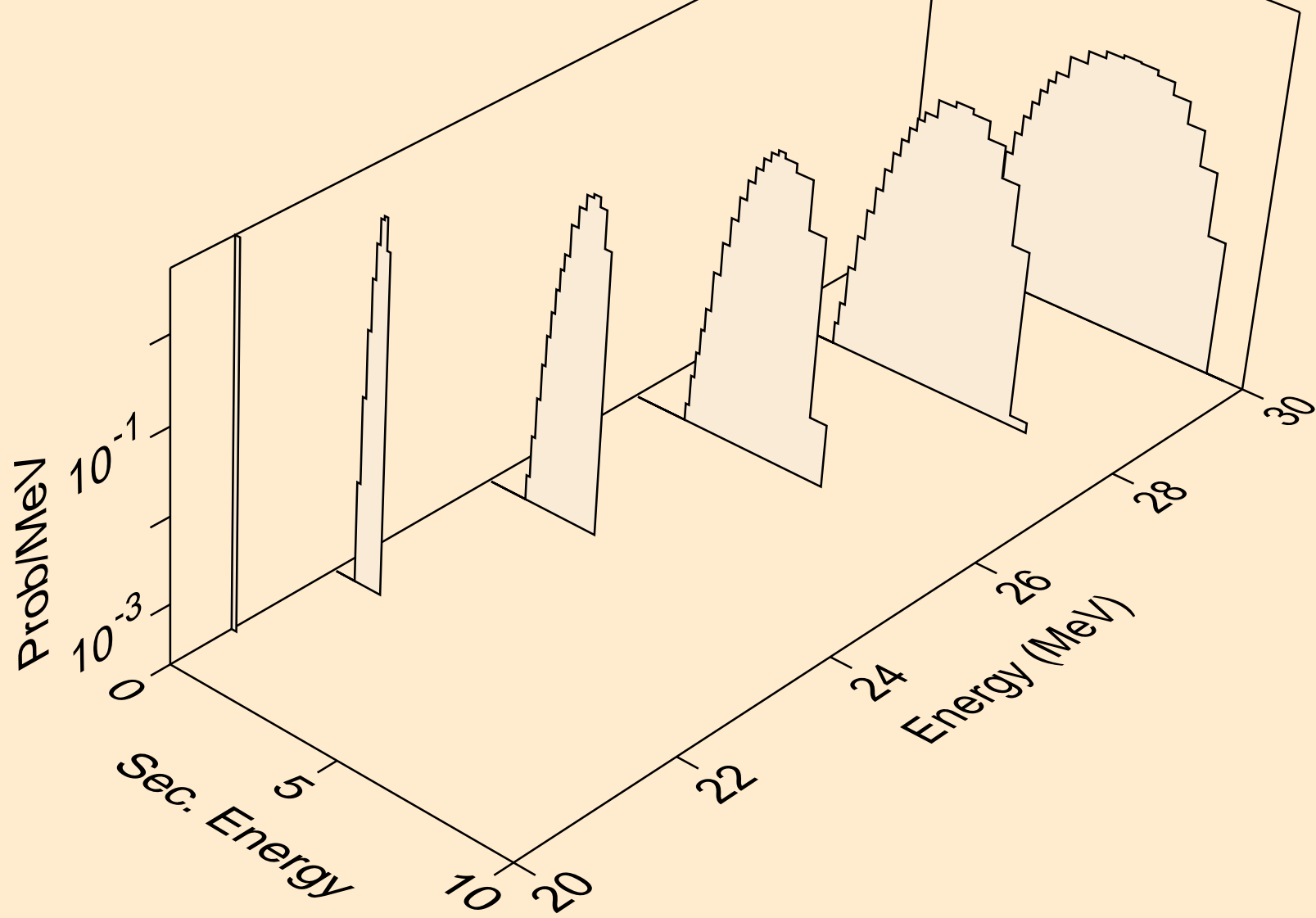
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protons from (n,p)



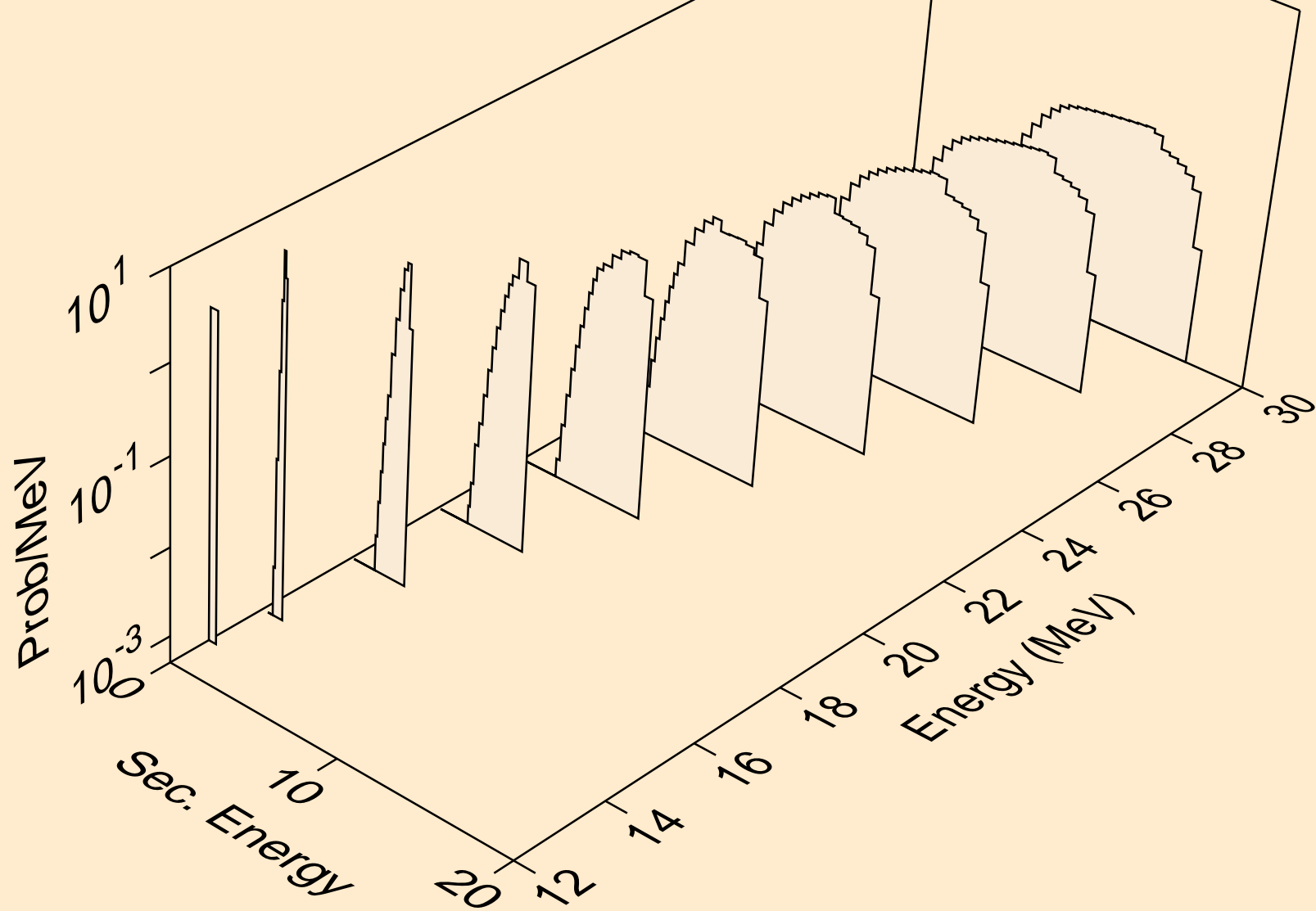
CU070 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,x)



CU070 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,2nd)

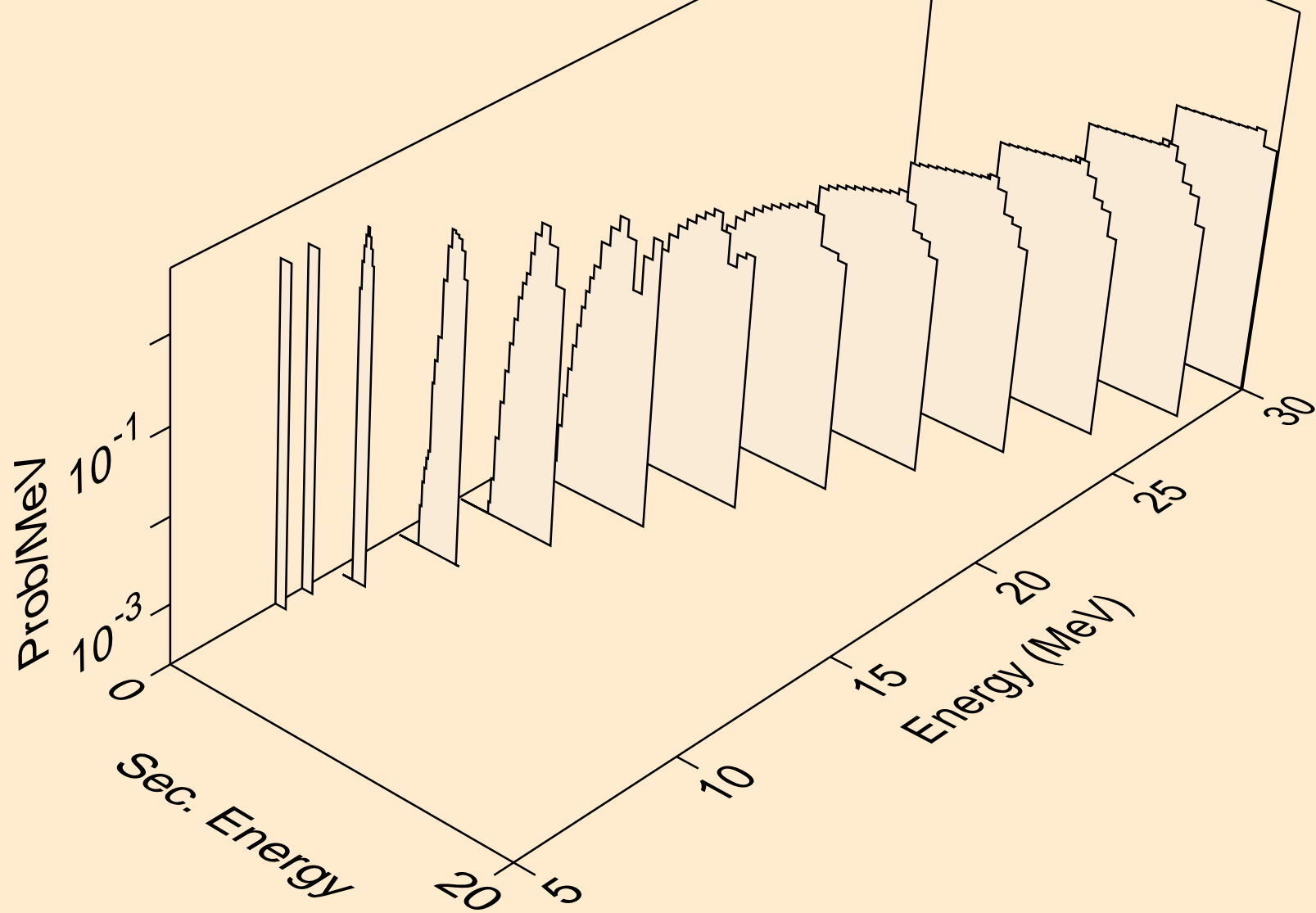


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deuterons from (n,n\*)d

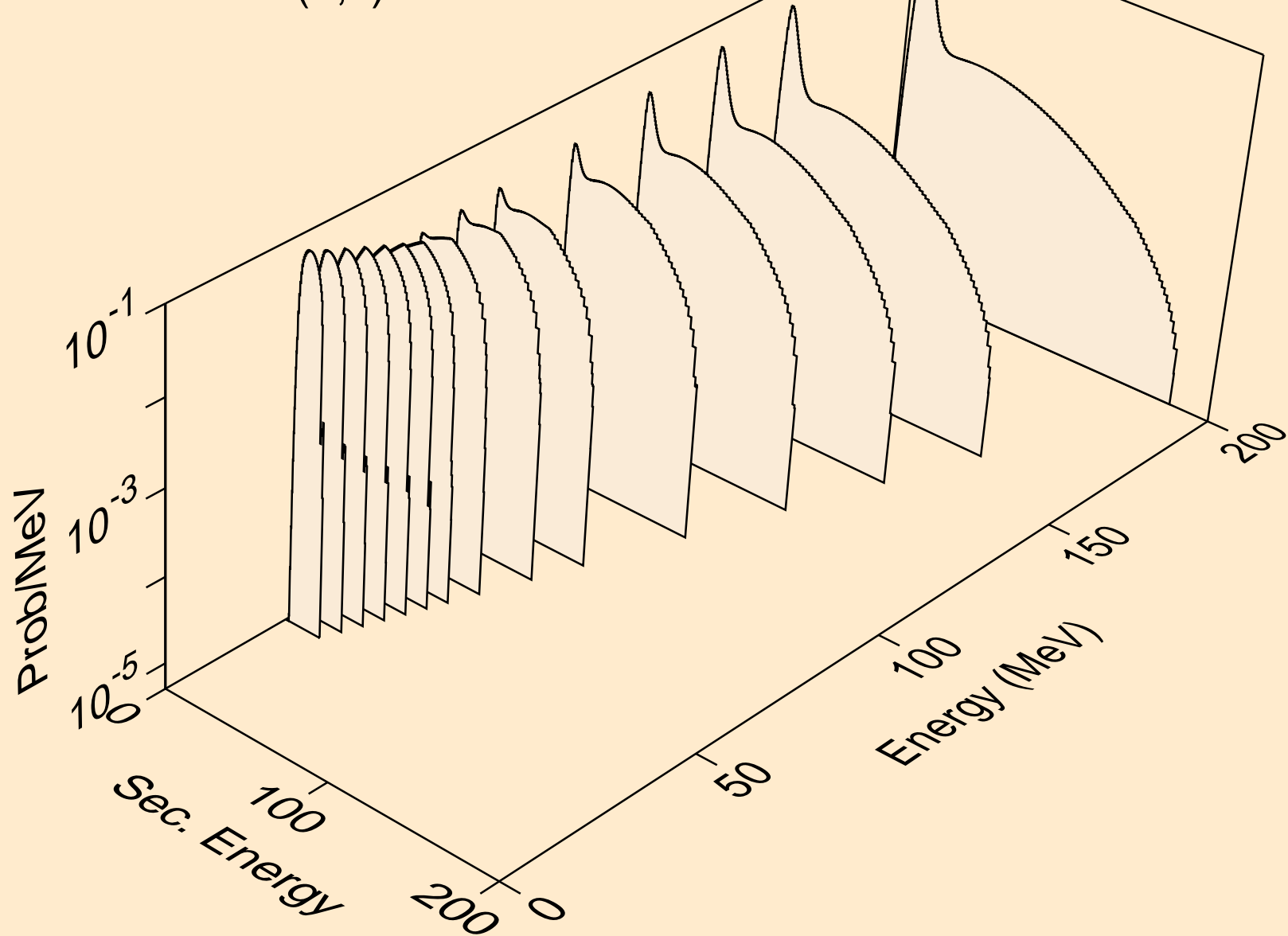




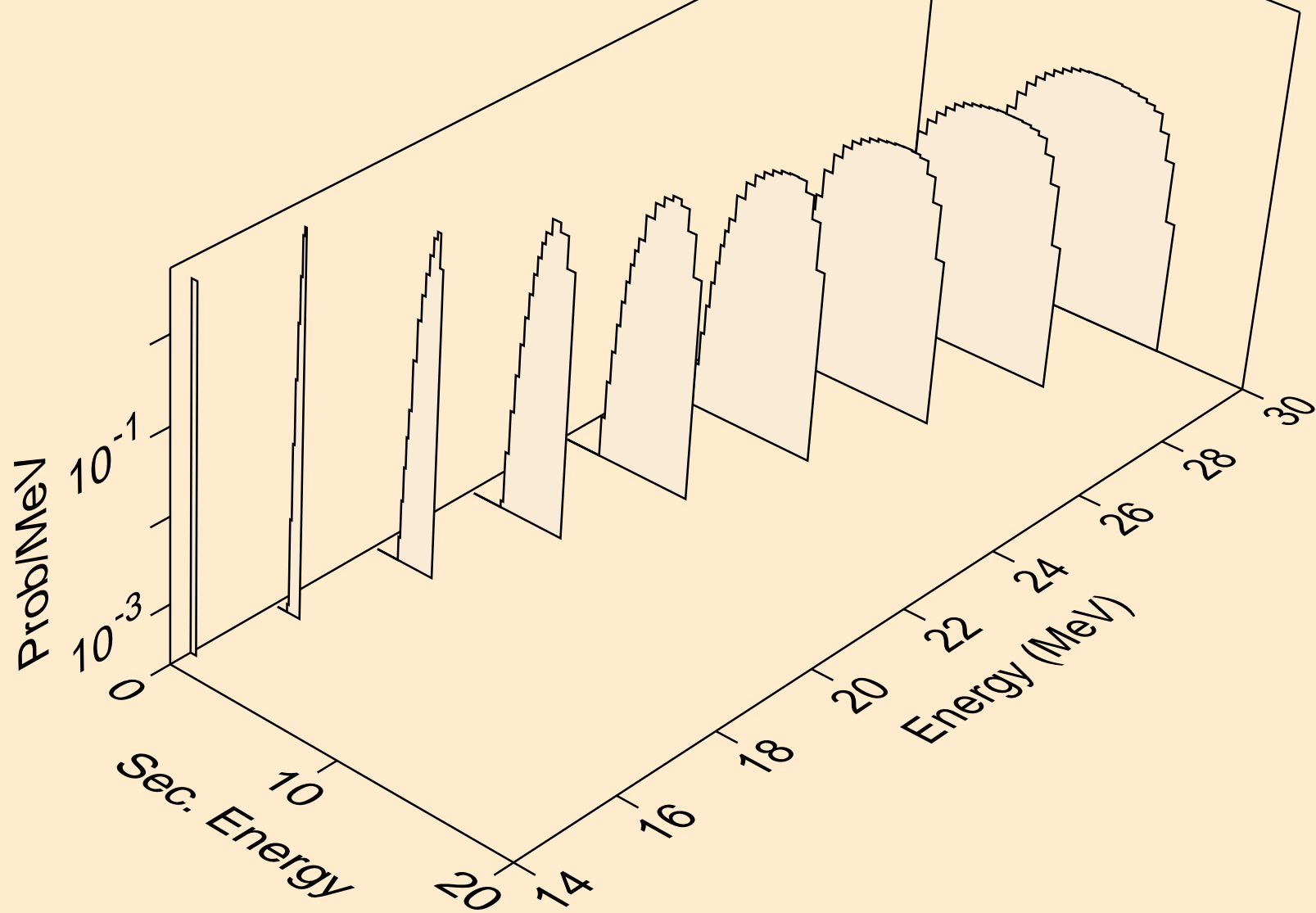
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deuterons from (n,d)



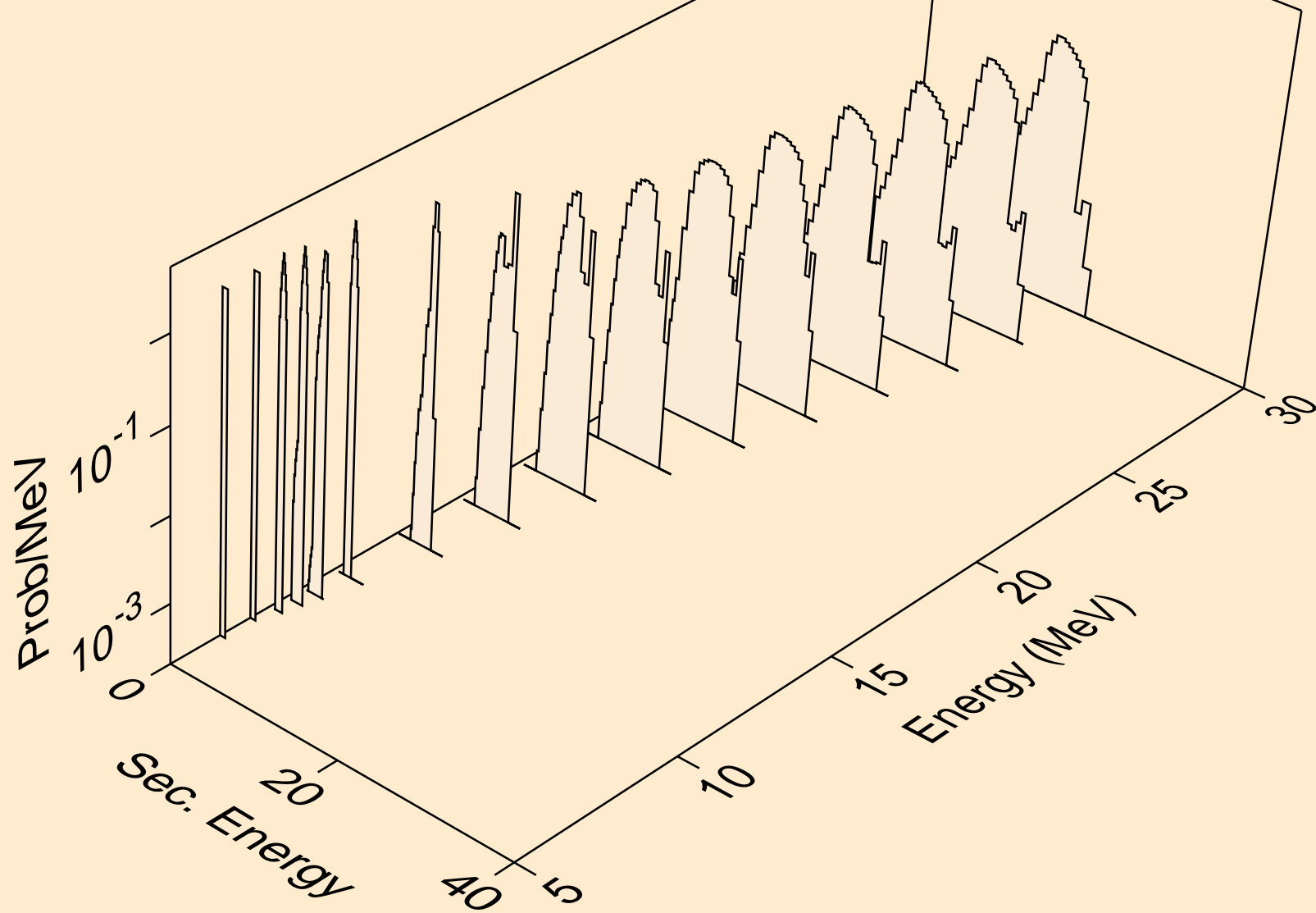
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tritons from (n,x)



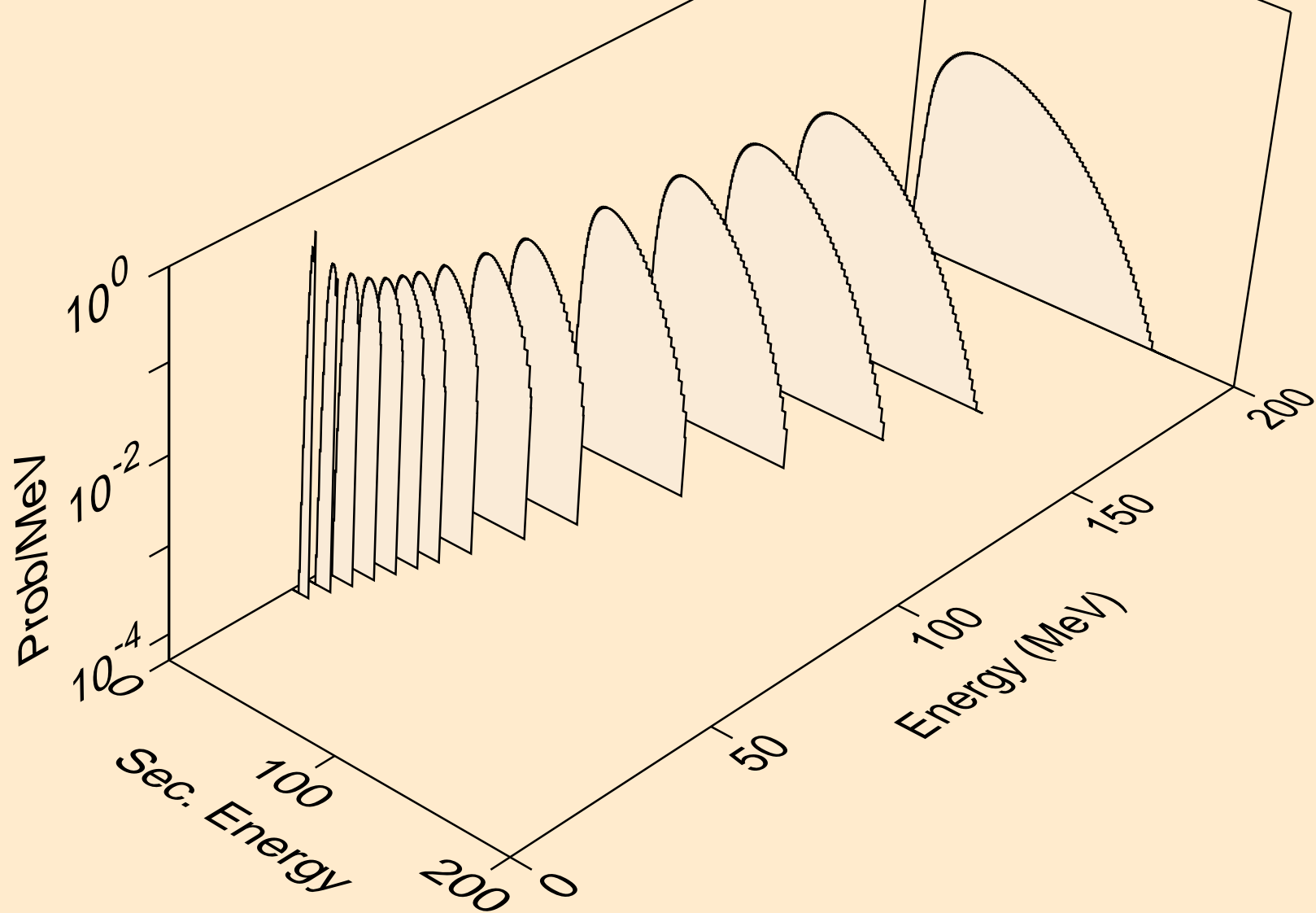
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tritons from (n,n\*)t



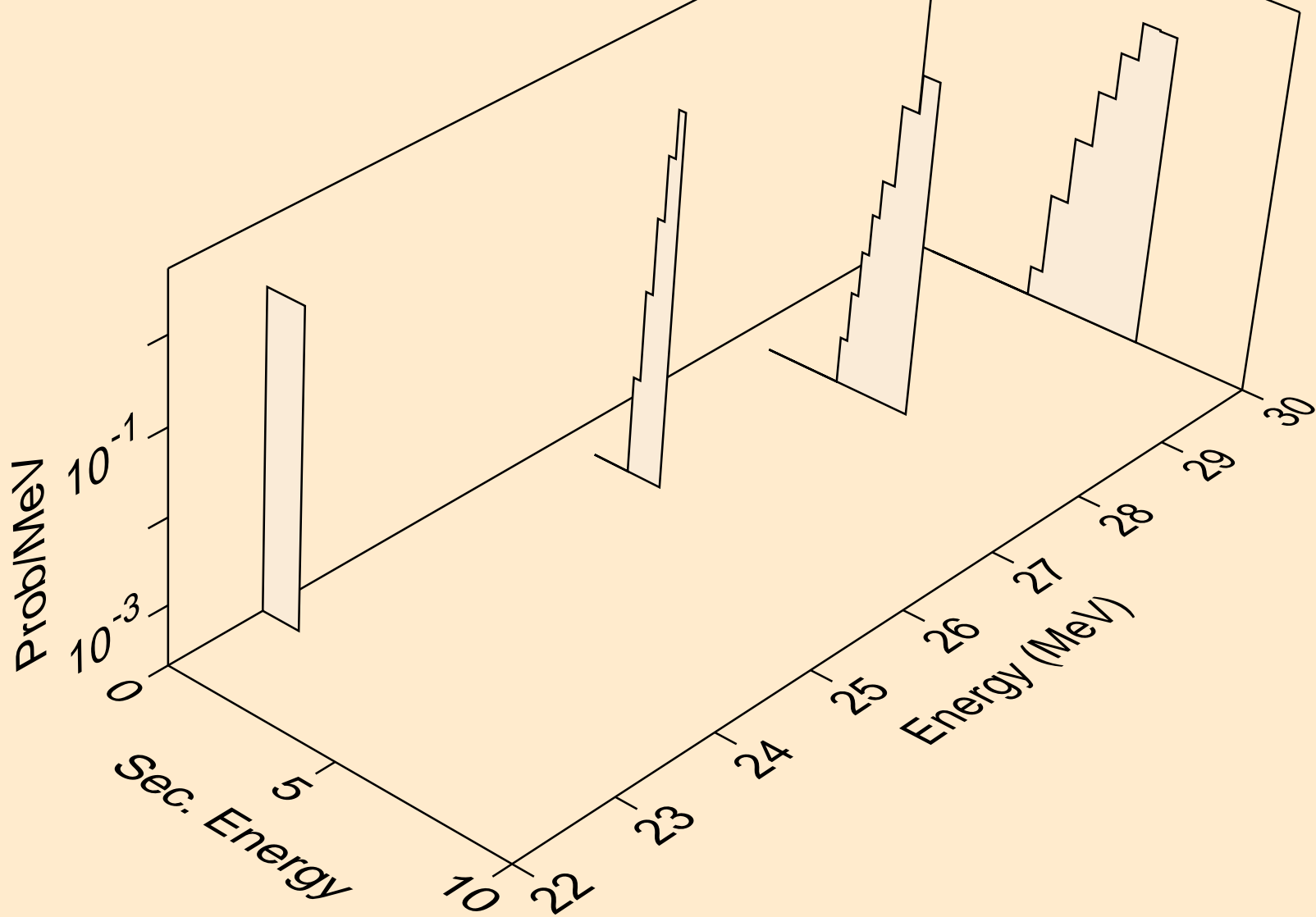
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tritons from (n,t)



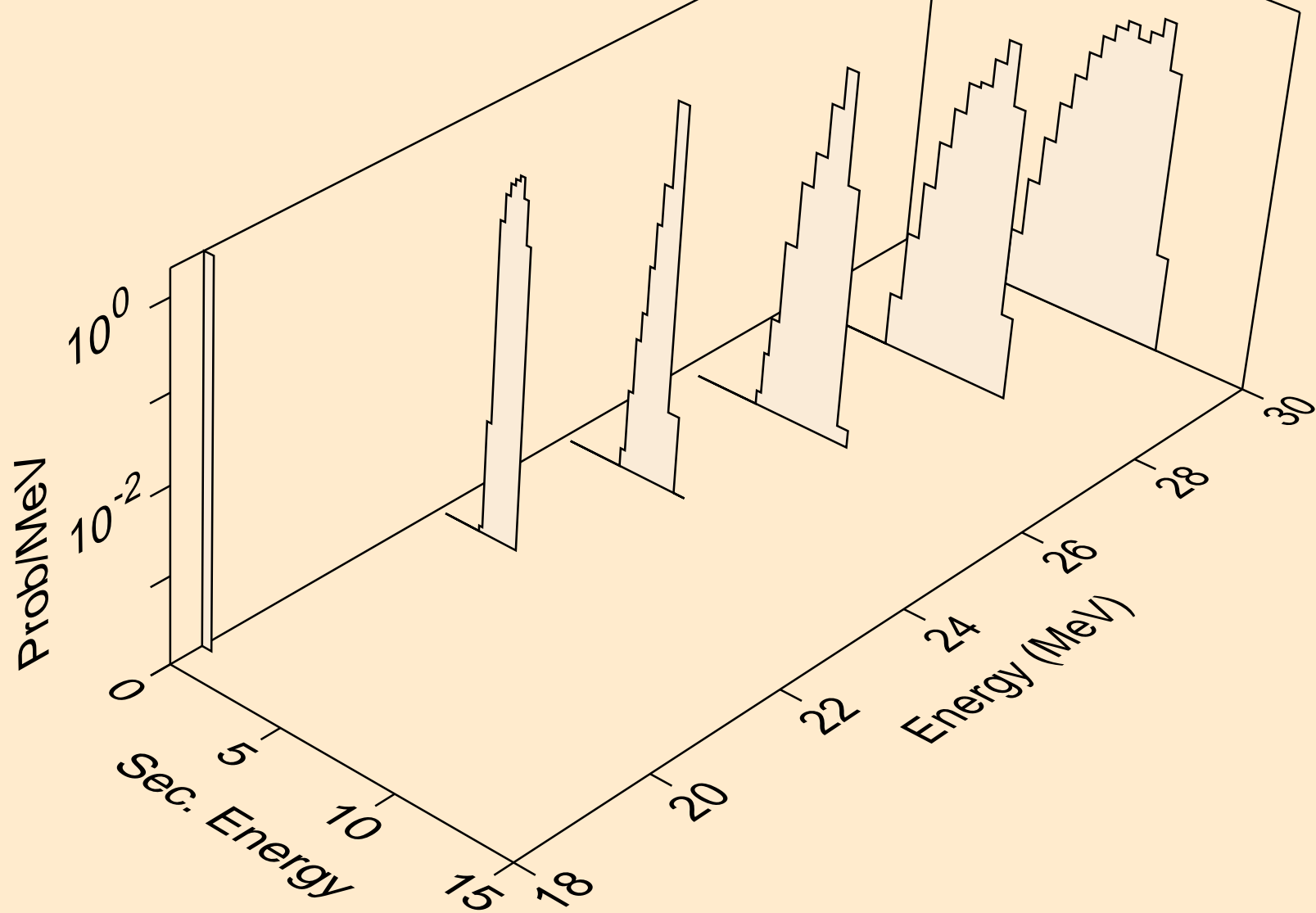
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he3s from (n,x)



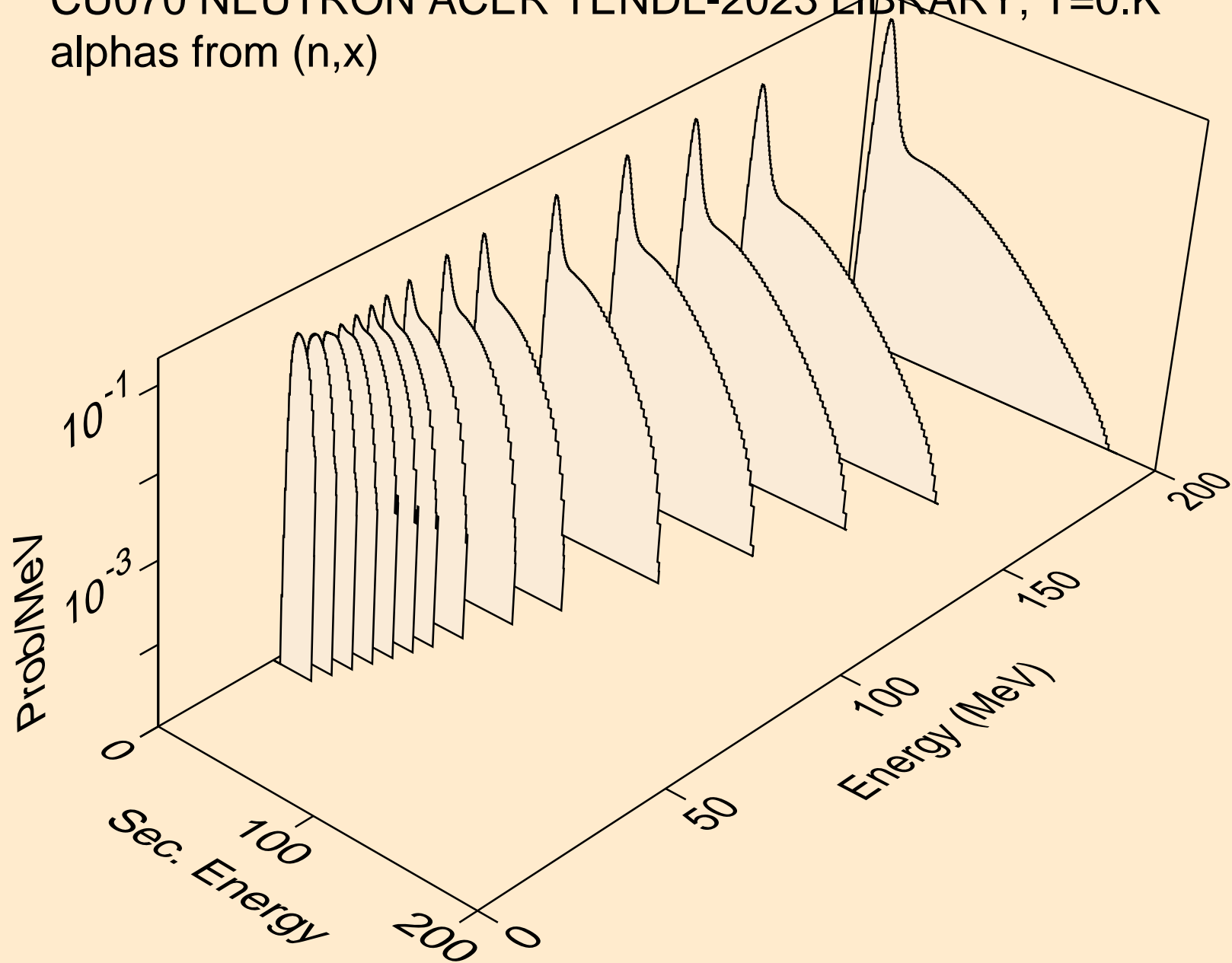
CU070 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,n\*)he3



CU070 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,he3)

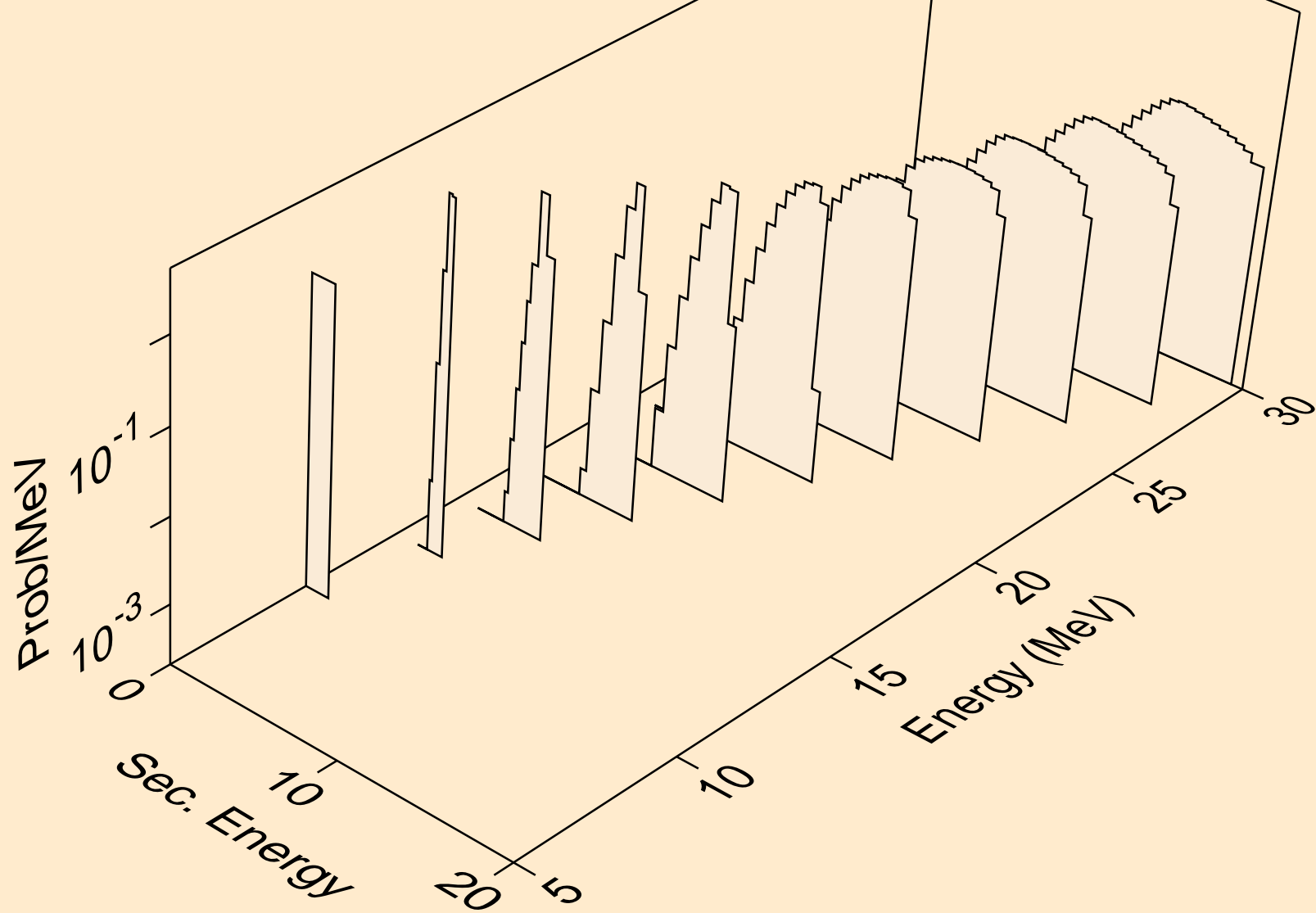


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alphas from (n,x)

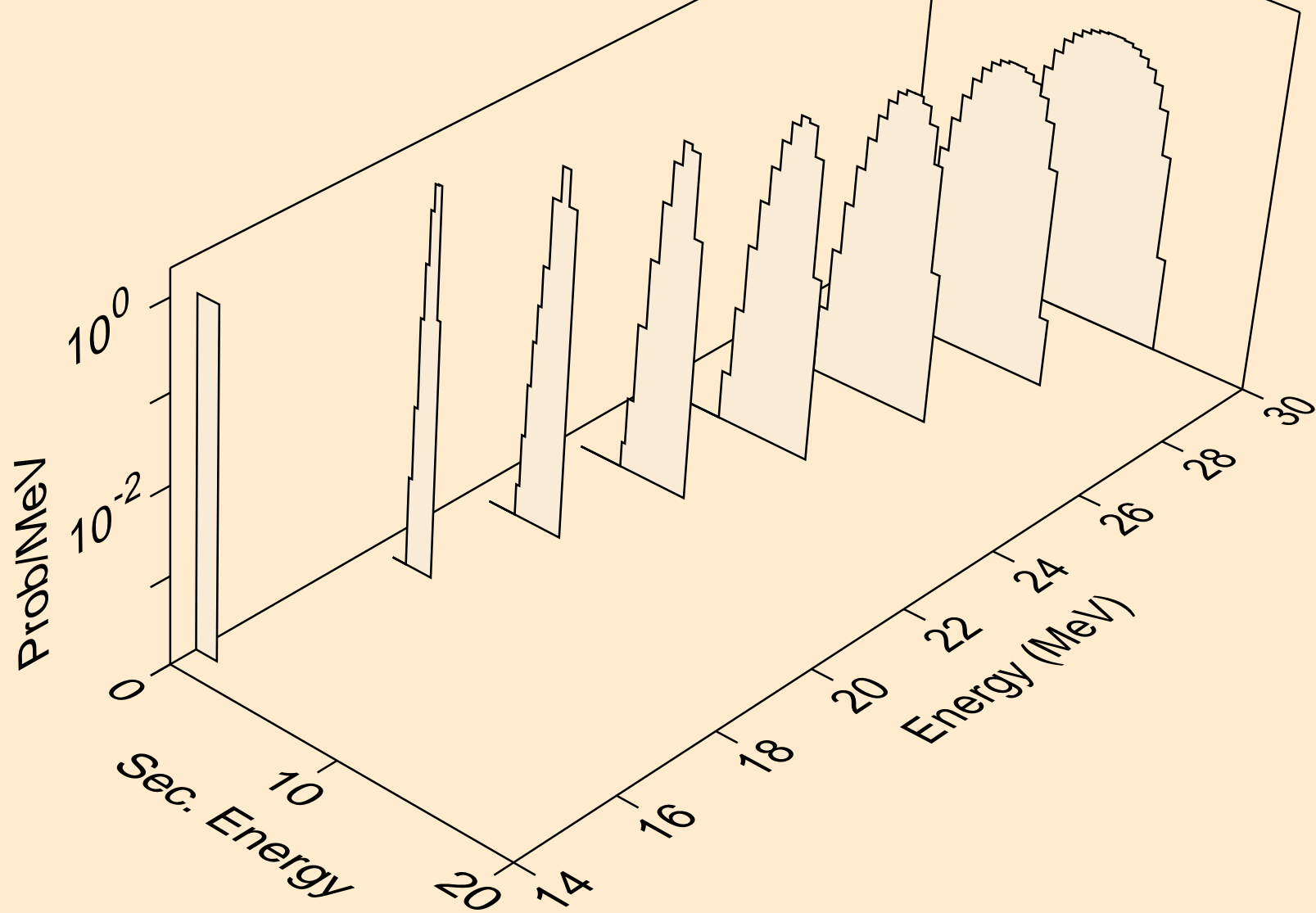




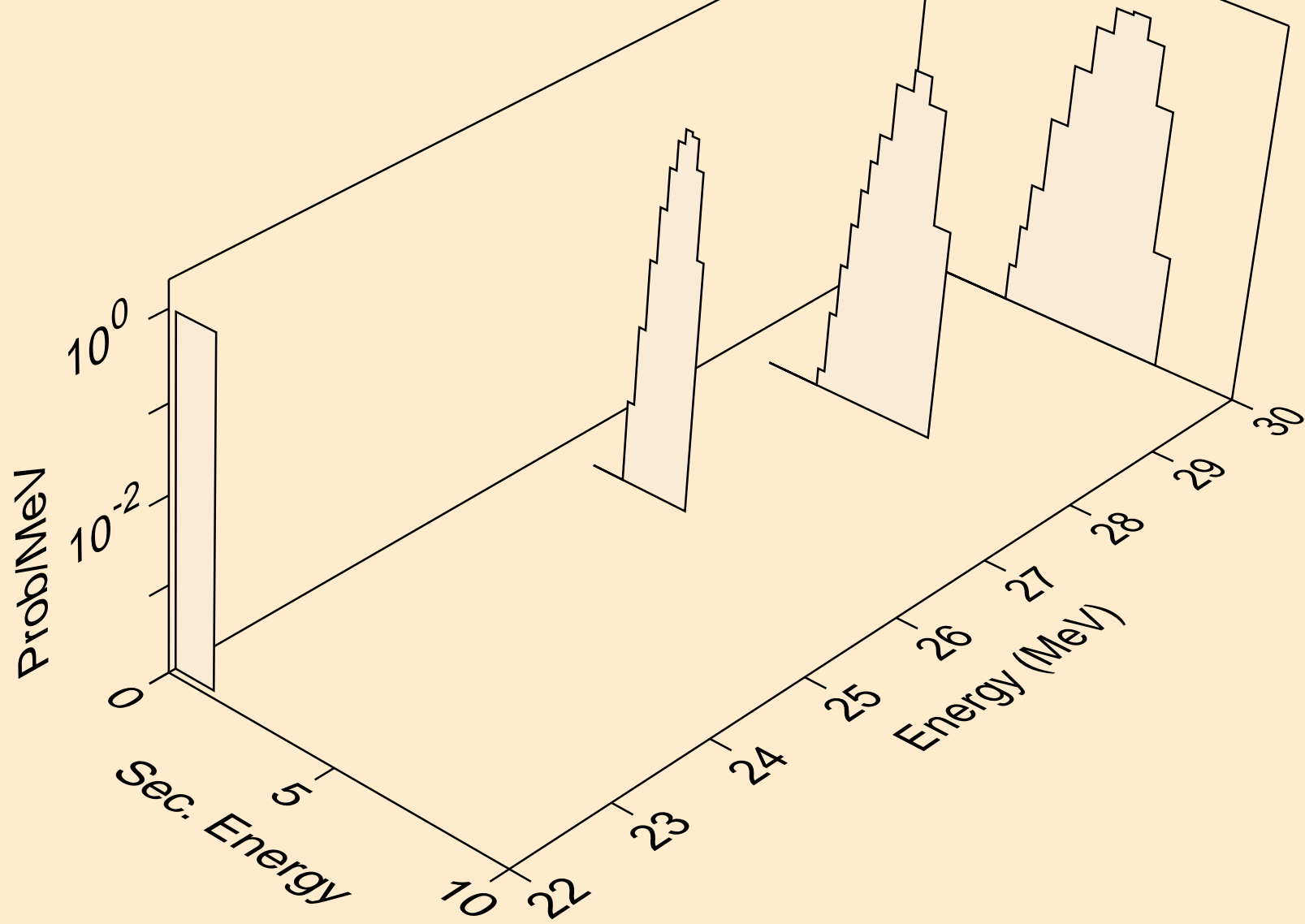
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alphas from (n,n\*)a



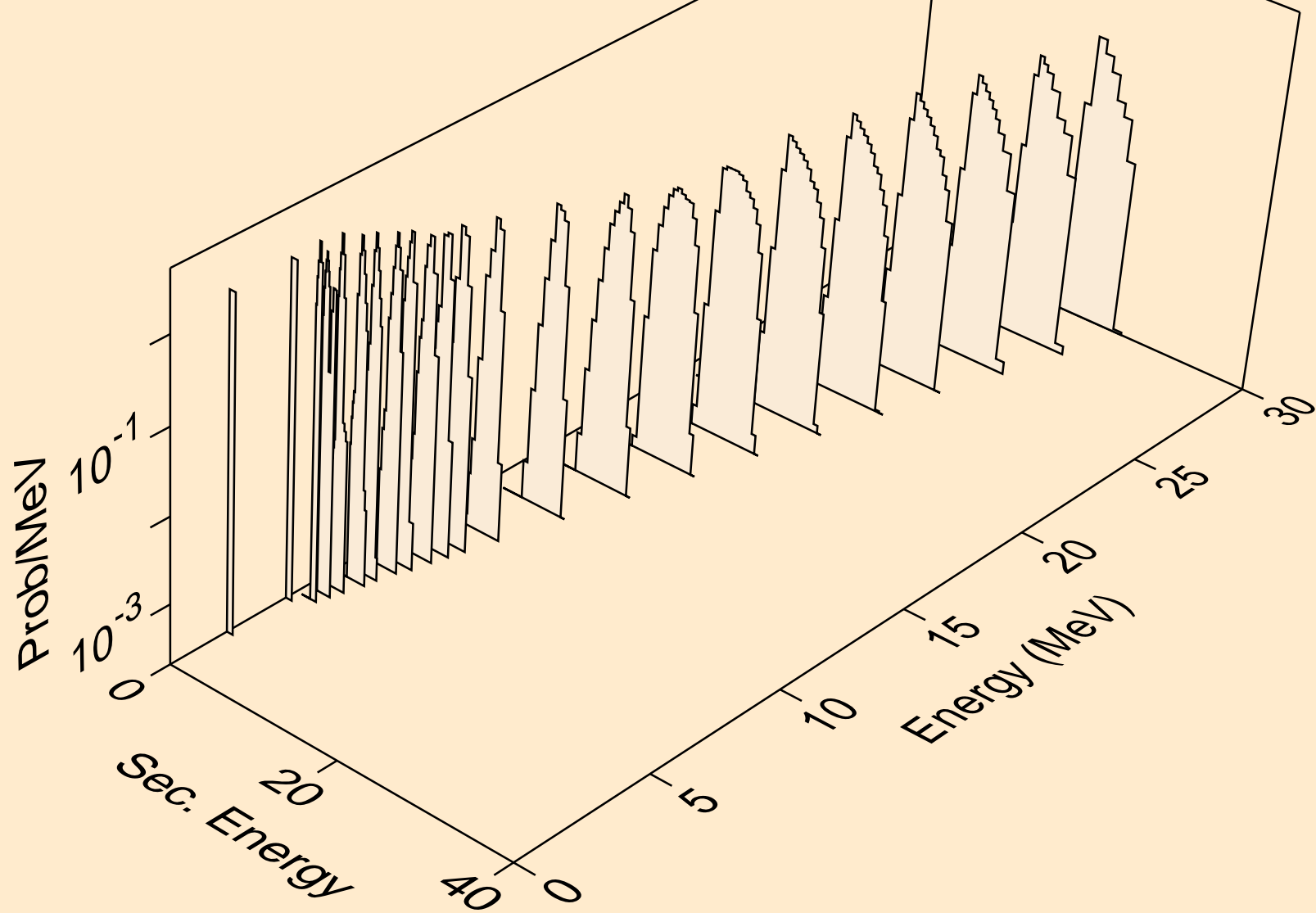
CU070 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2n)a



CU070 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,3n)a



CU070 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,a)



CU070 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,pa)

