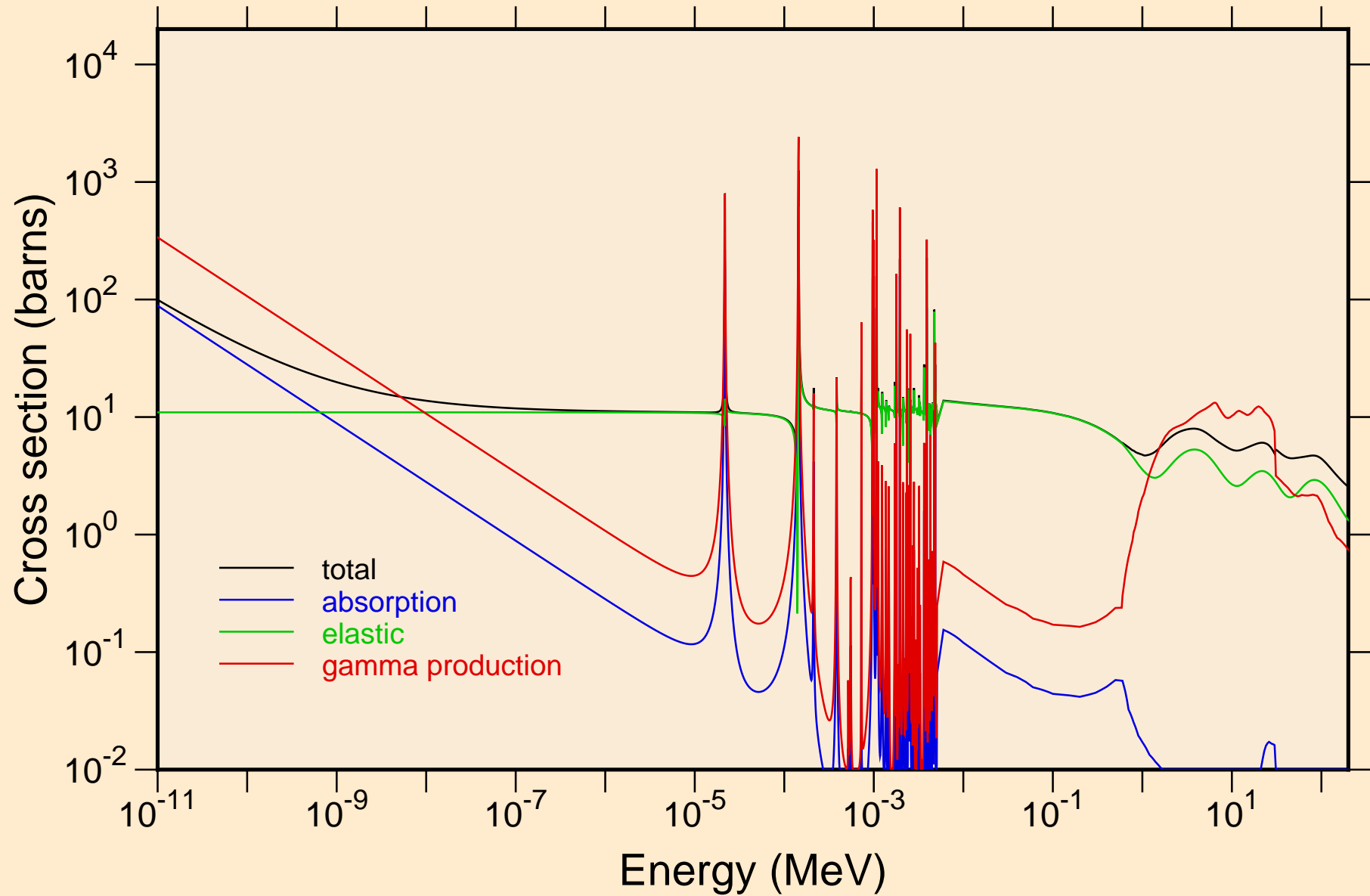
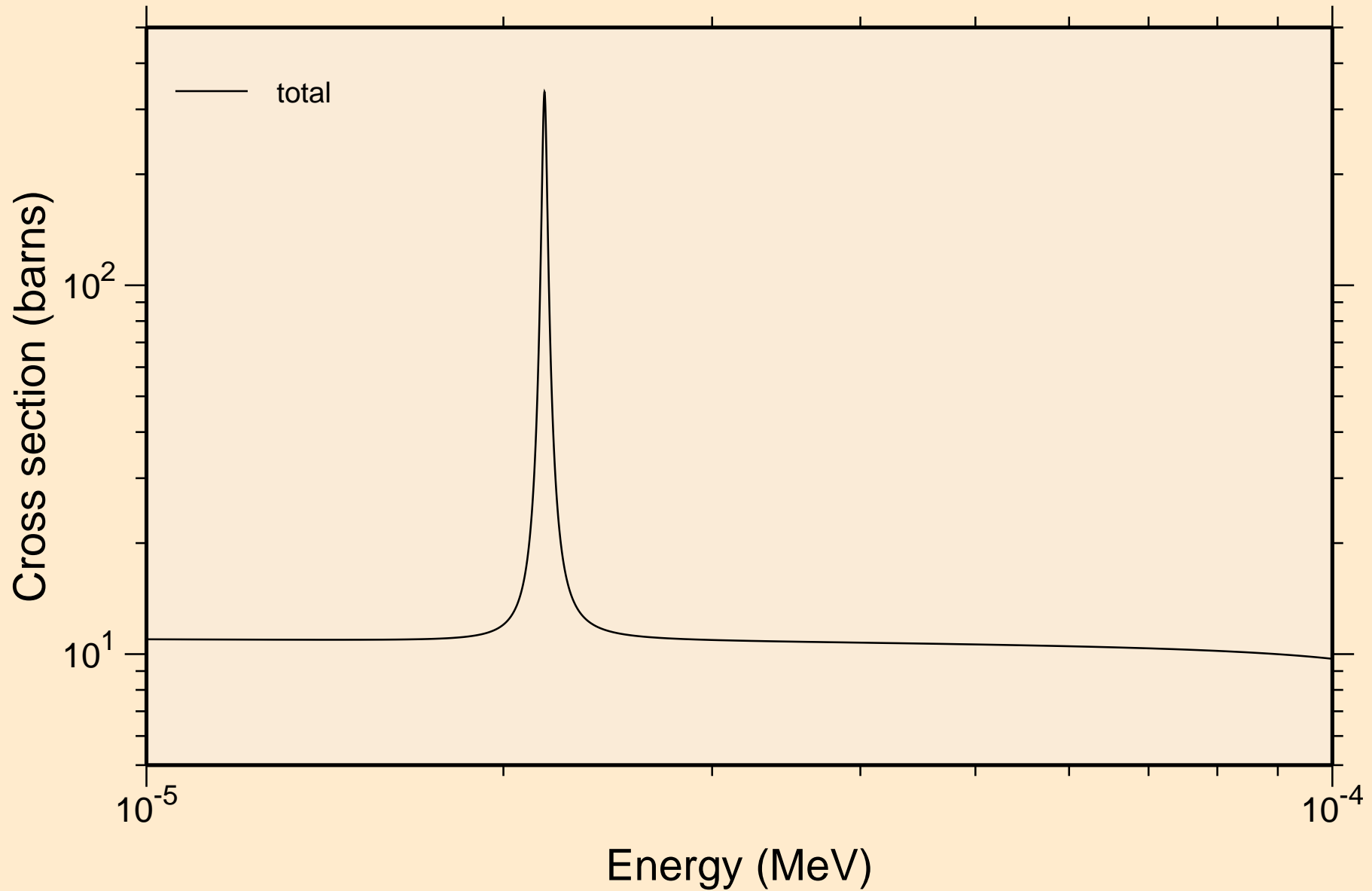


# RN224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

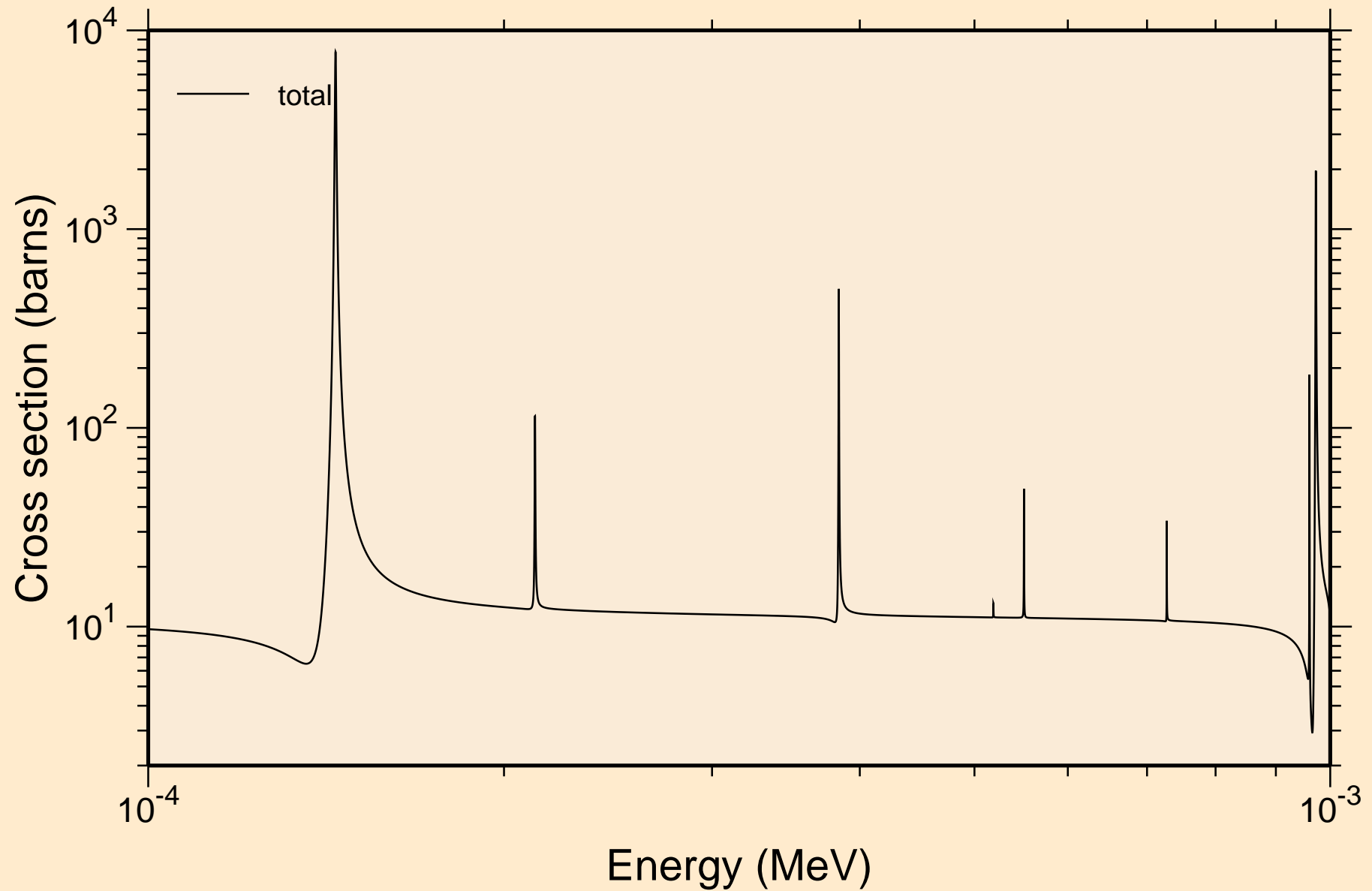
## Principal cross sections



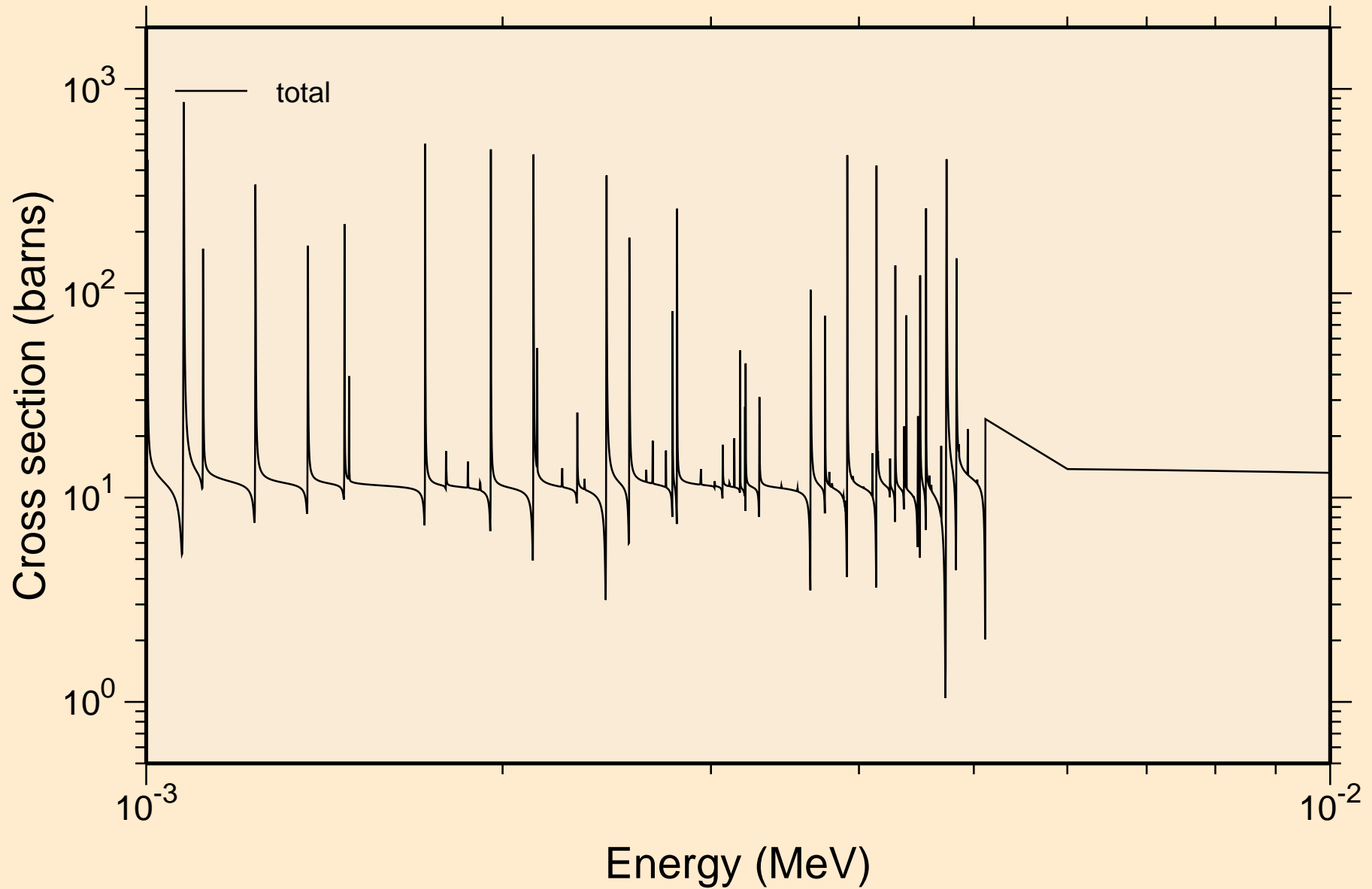
RN224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



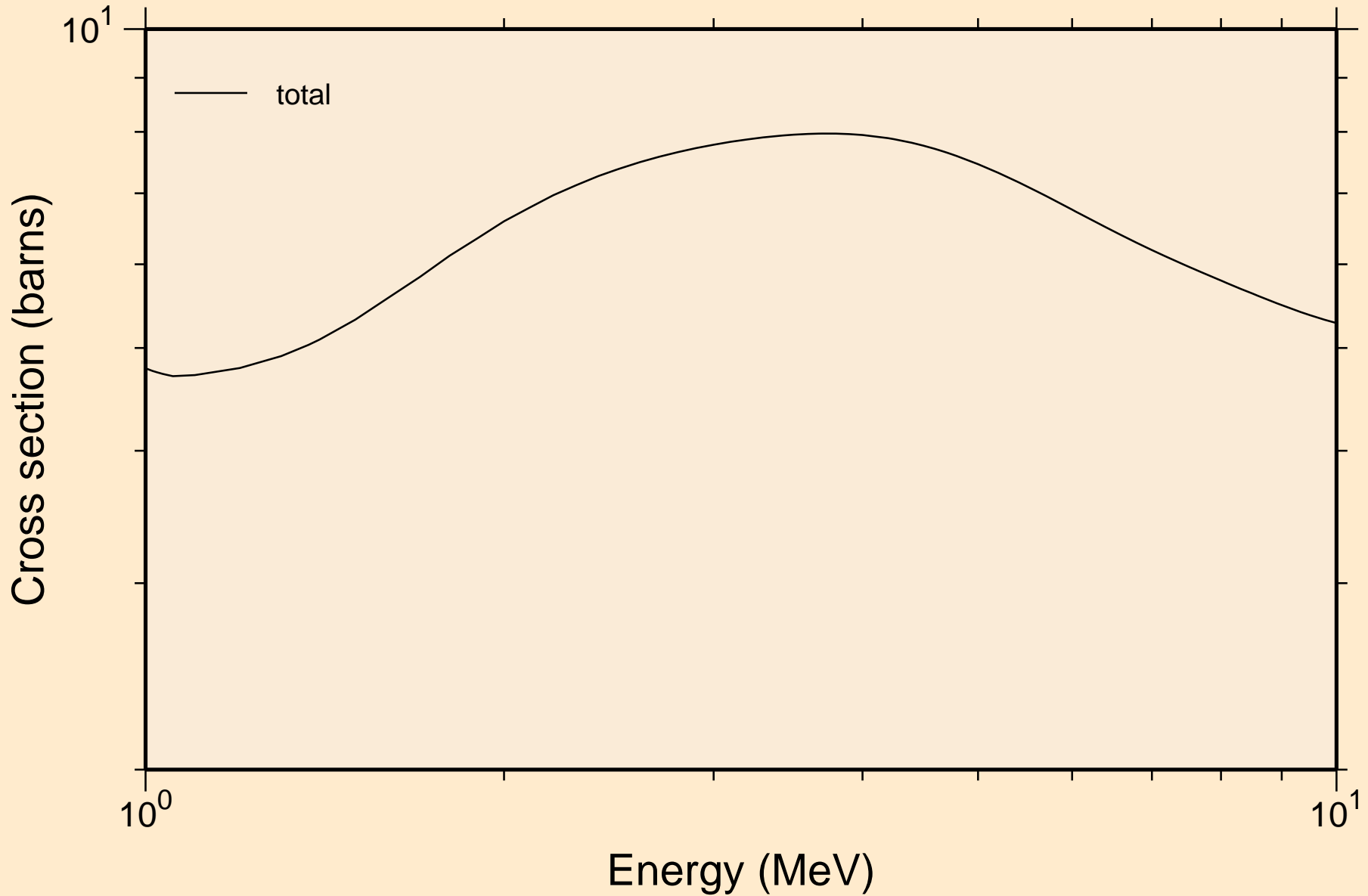
RN224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



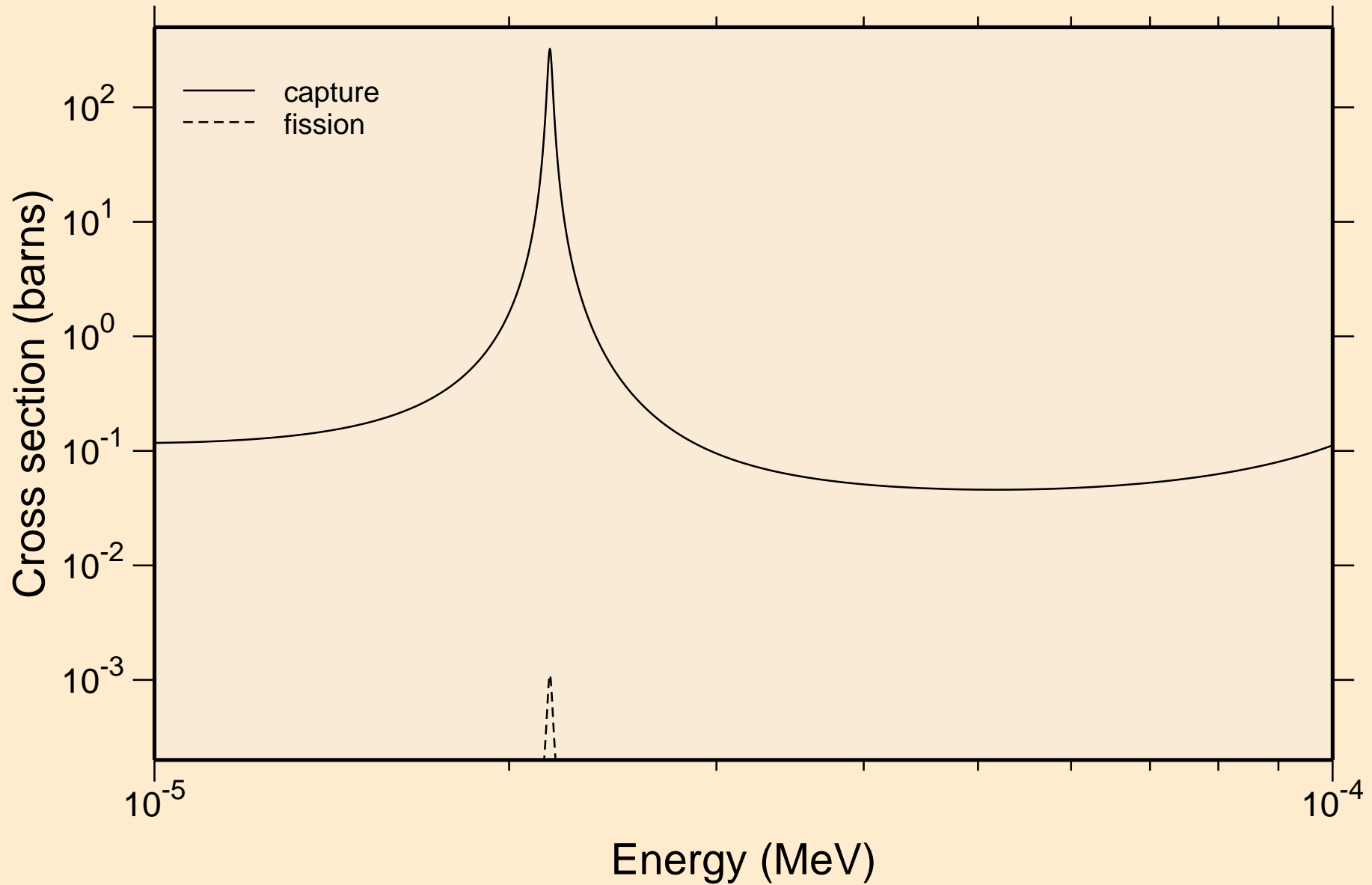
RN224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



RN224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section

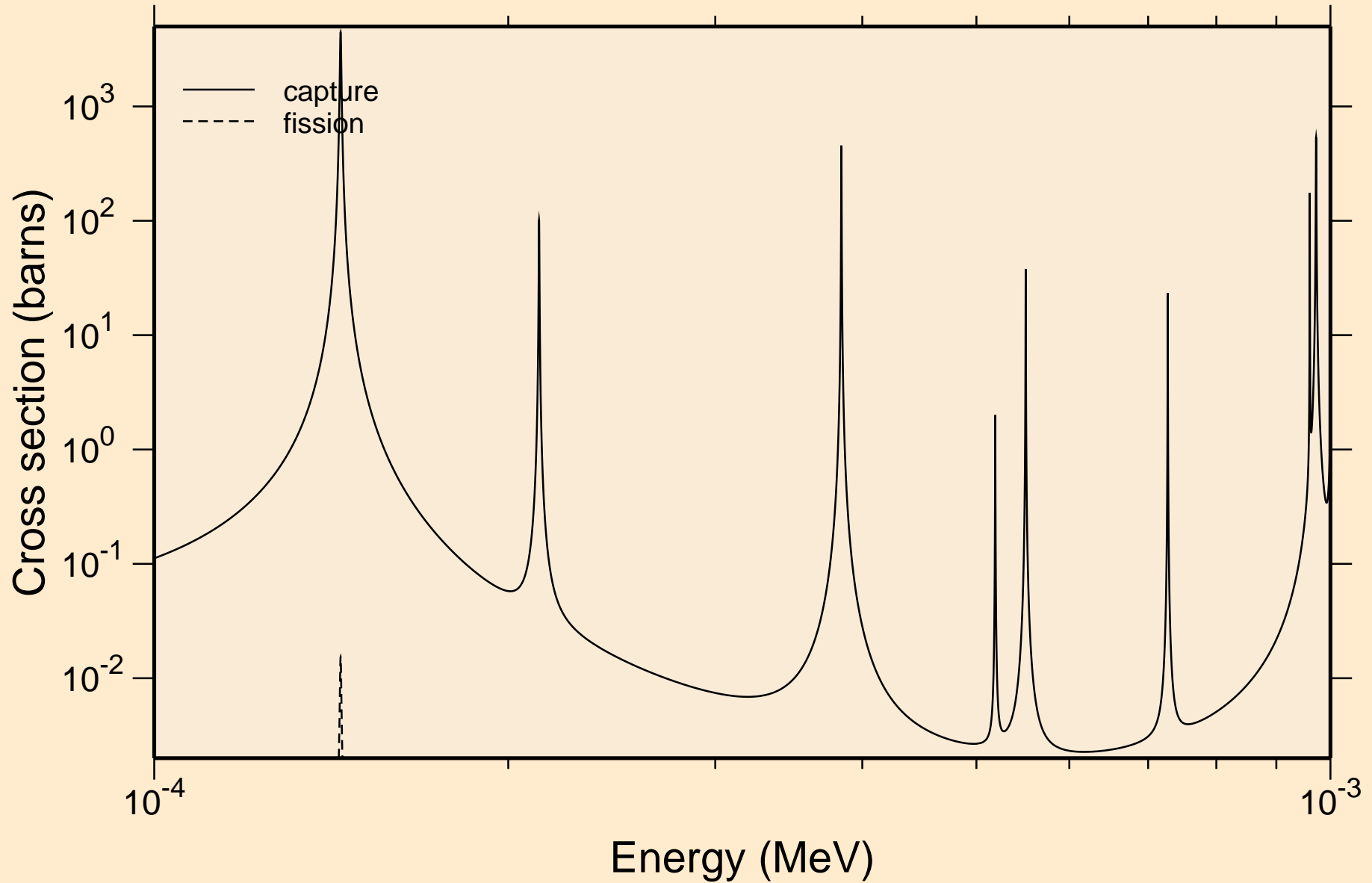


RN224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

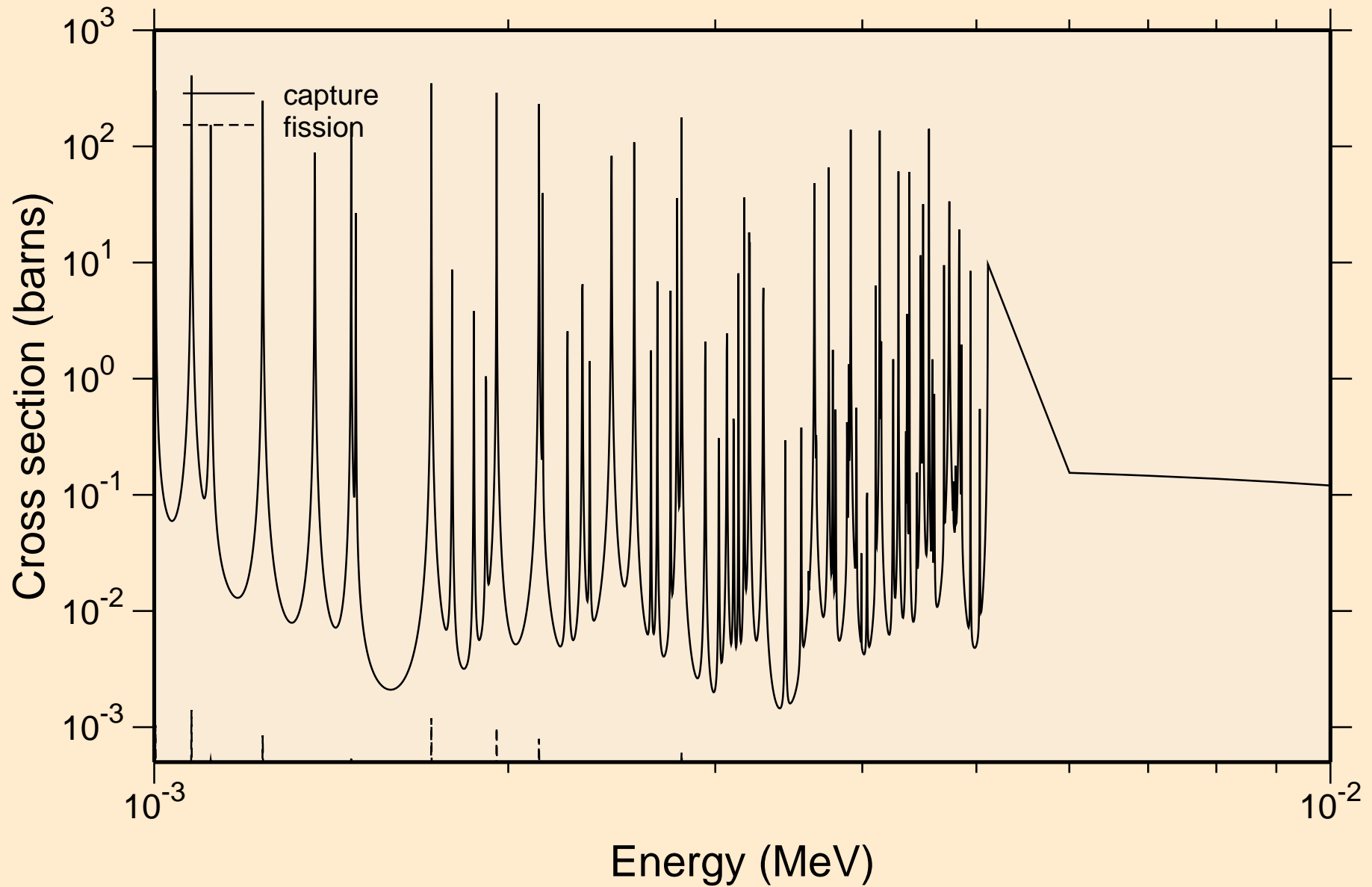


# RN224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## resonance absorption cross sections

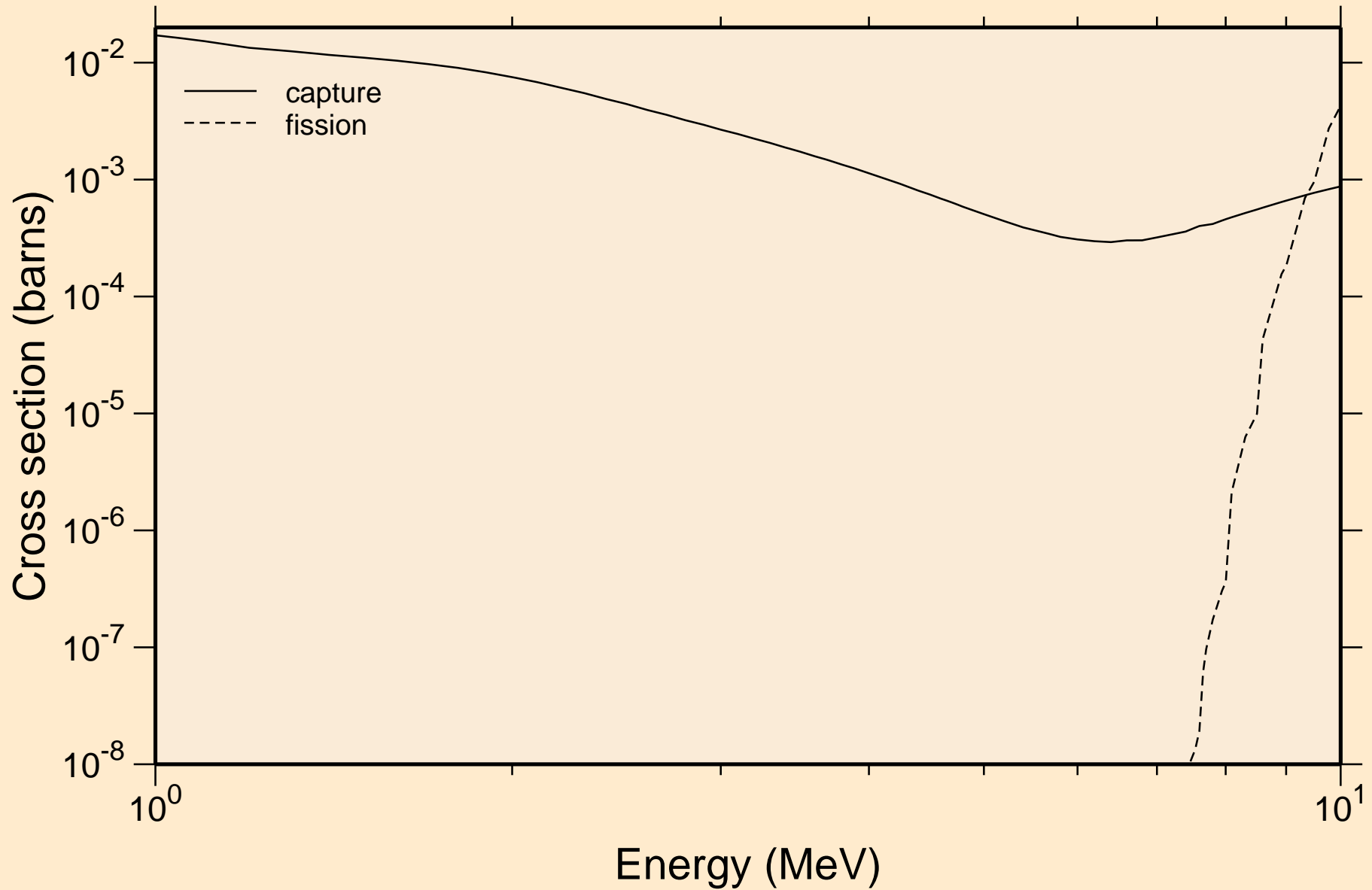


RN224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

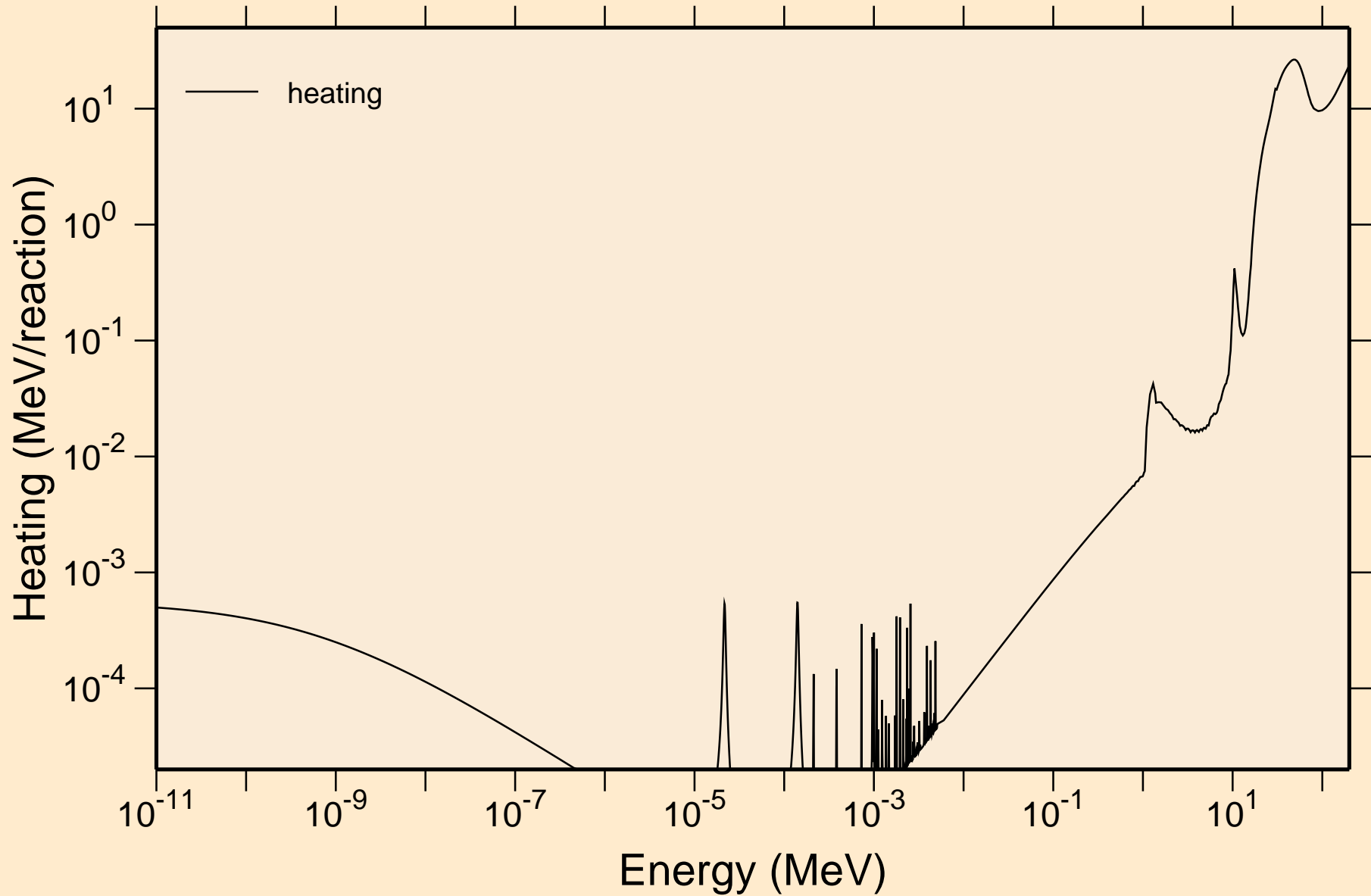




RN224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

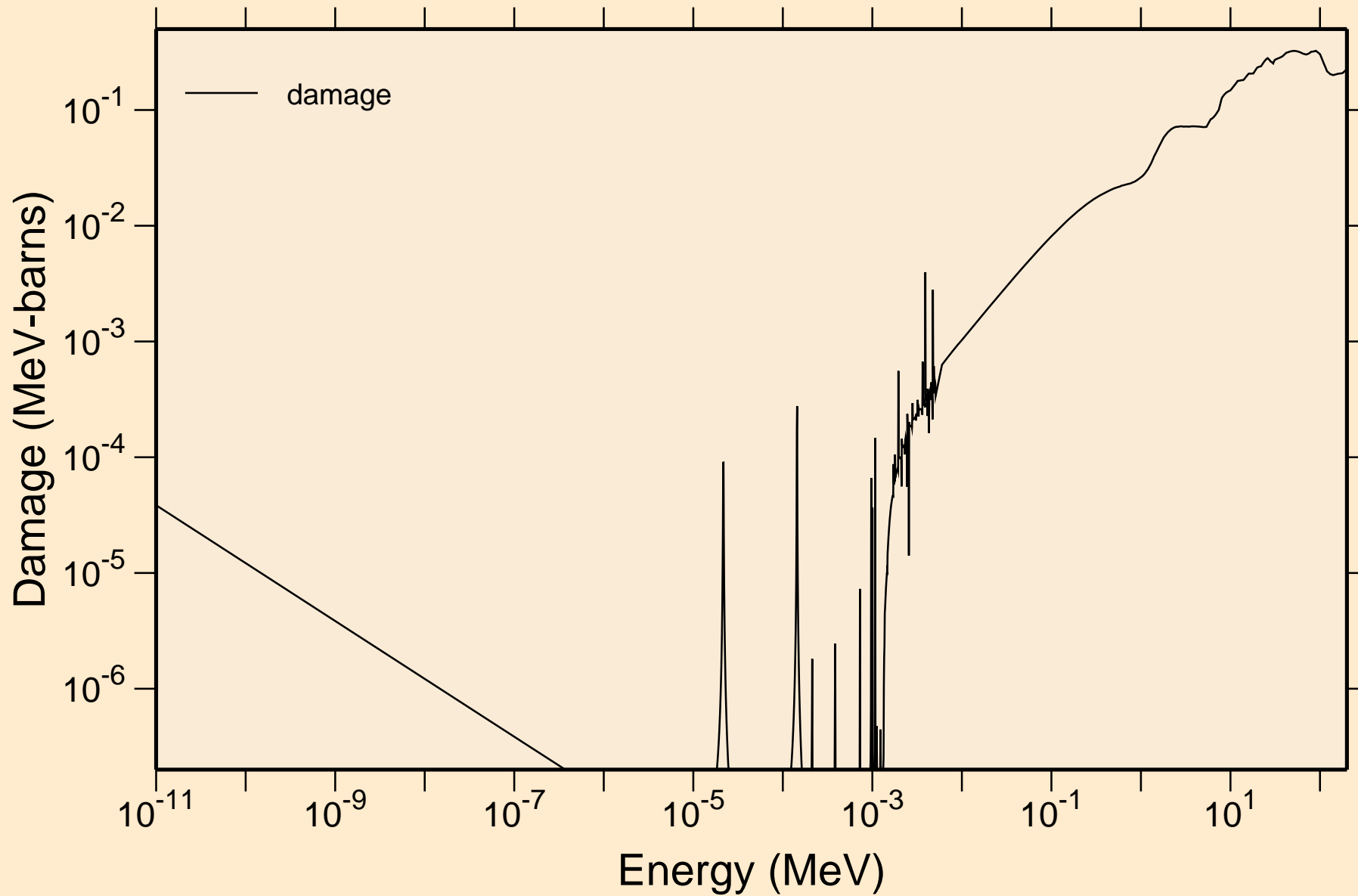


RN224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Heating

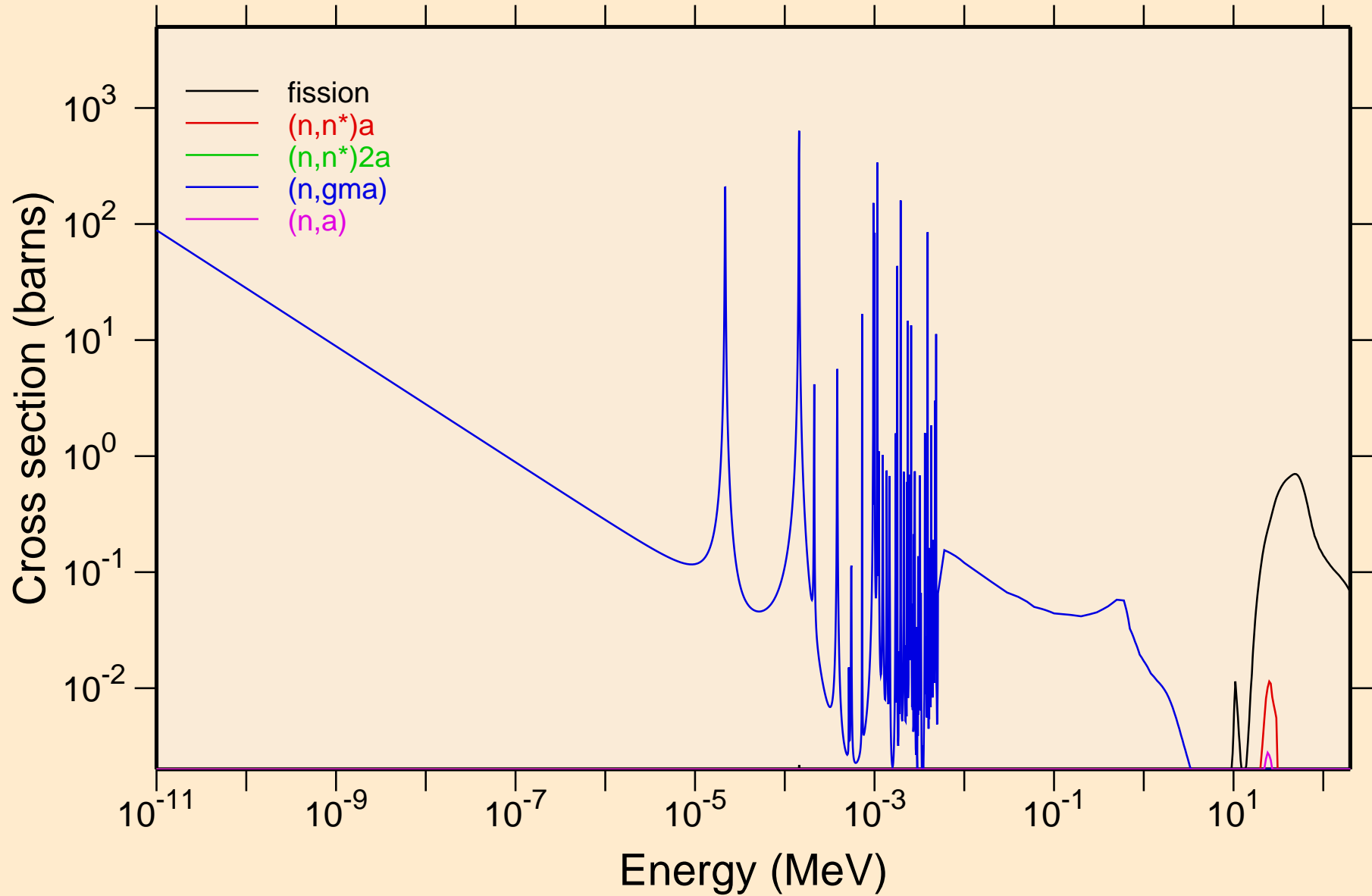


# RN224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

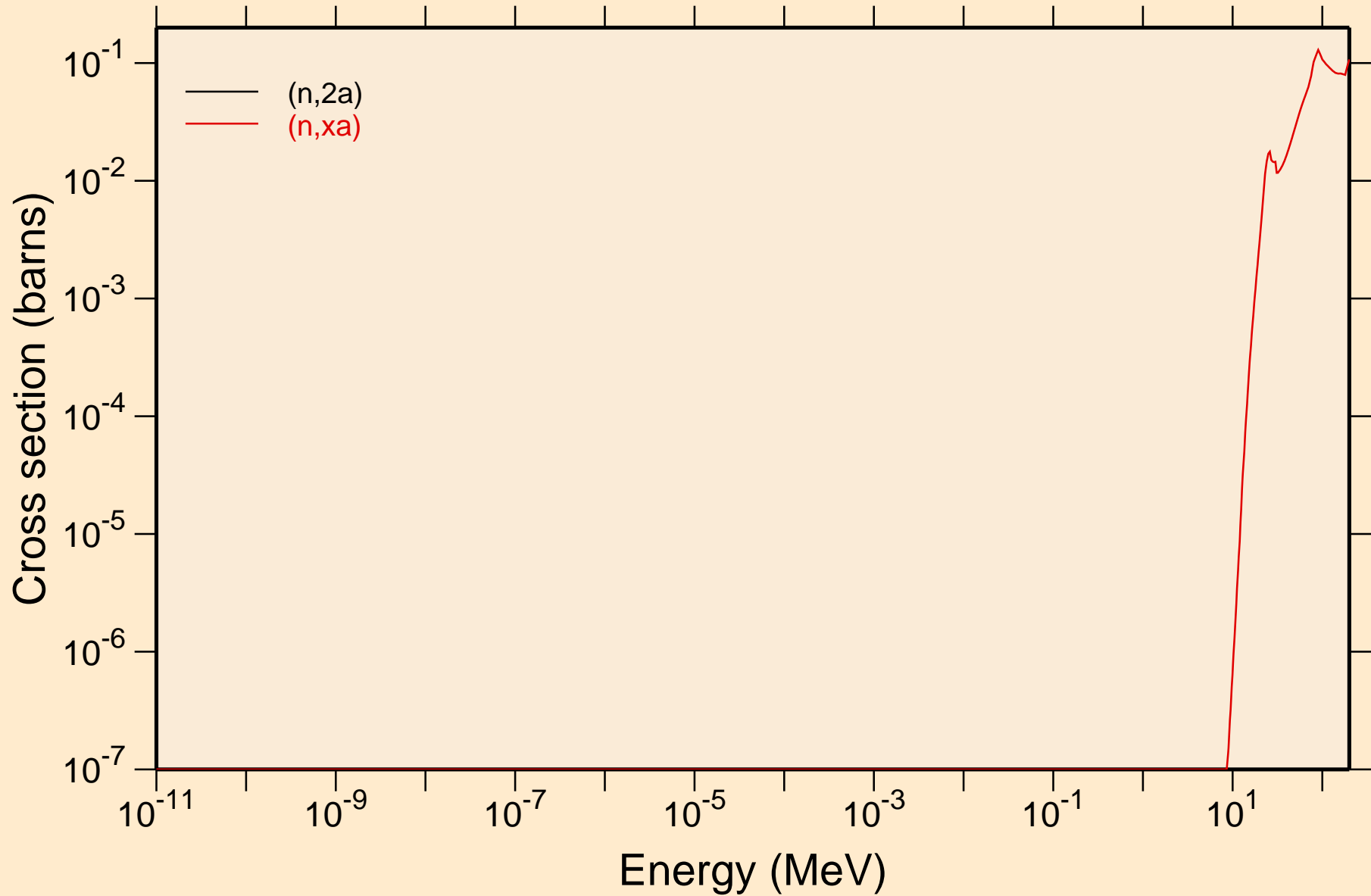
## Damage



RN224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

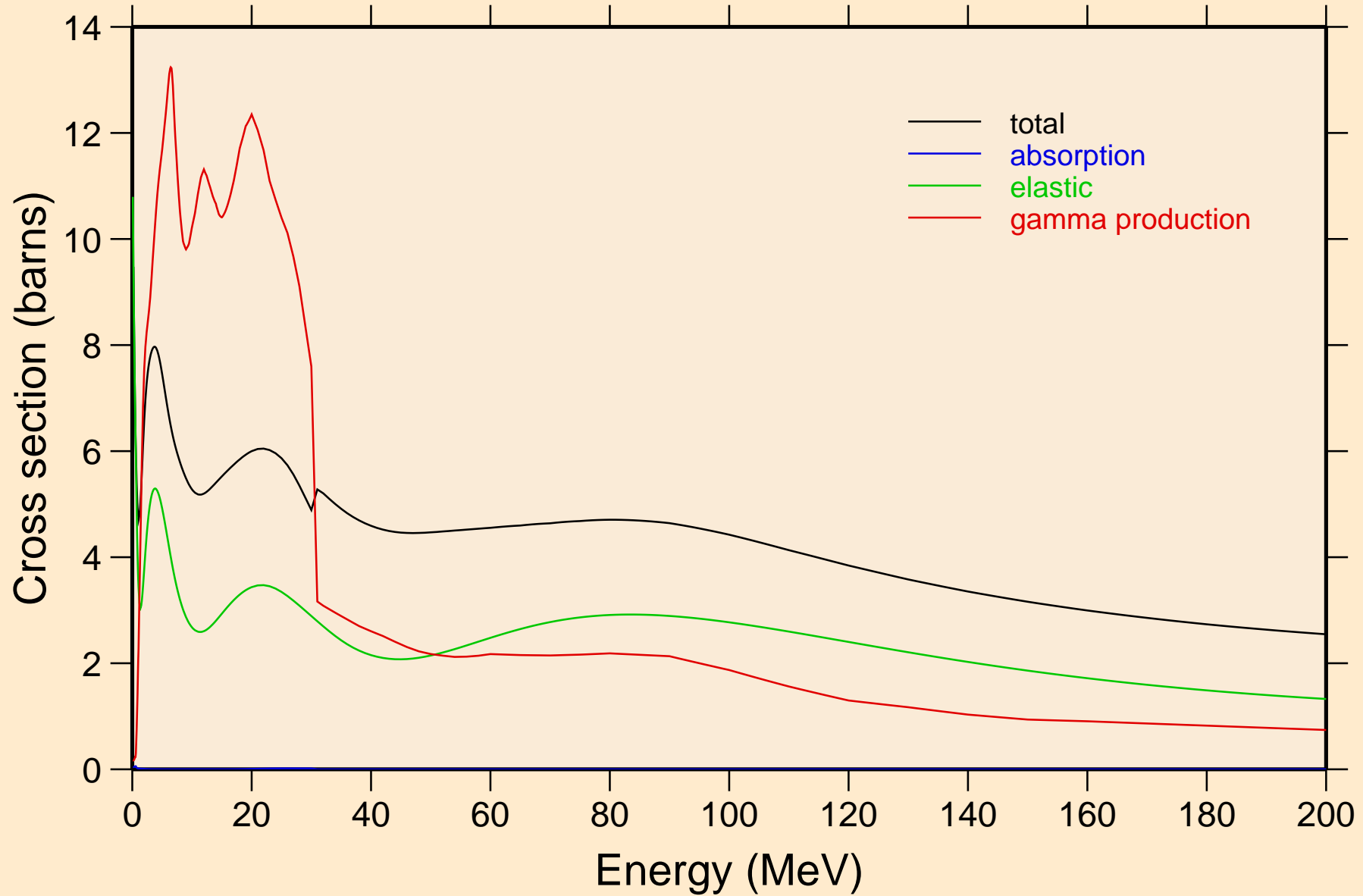


RN224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



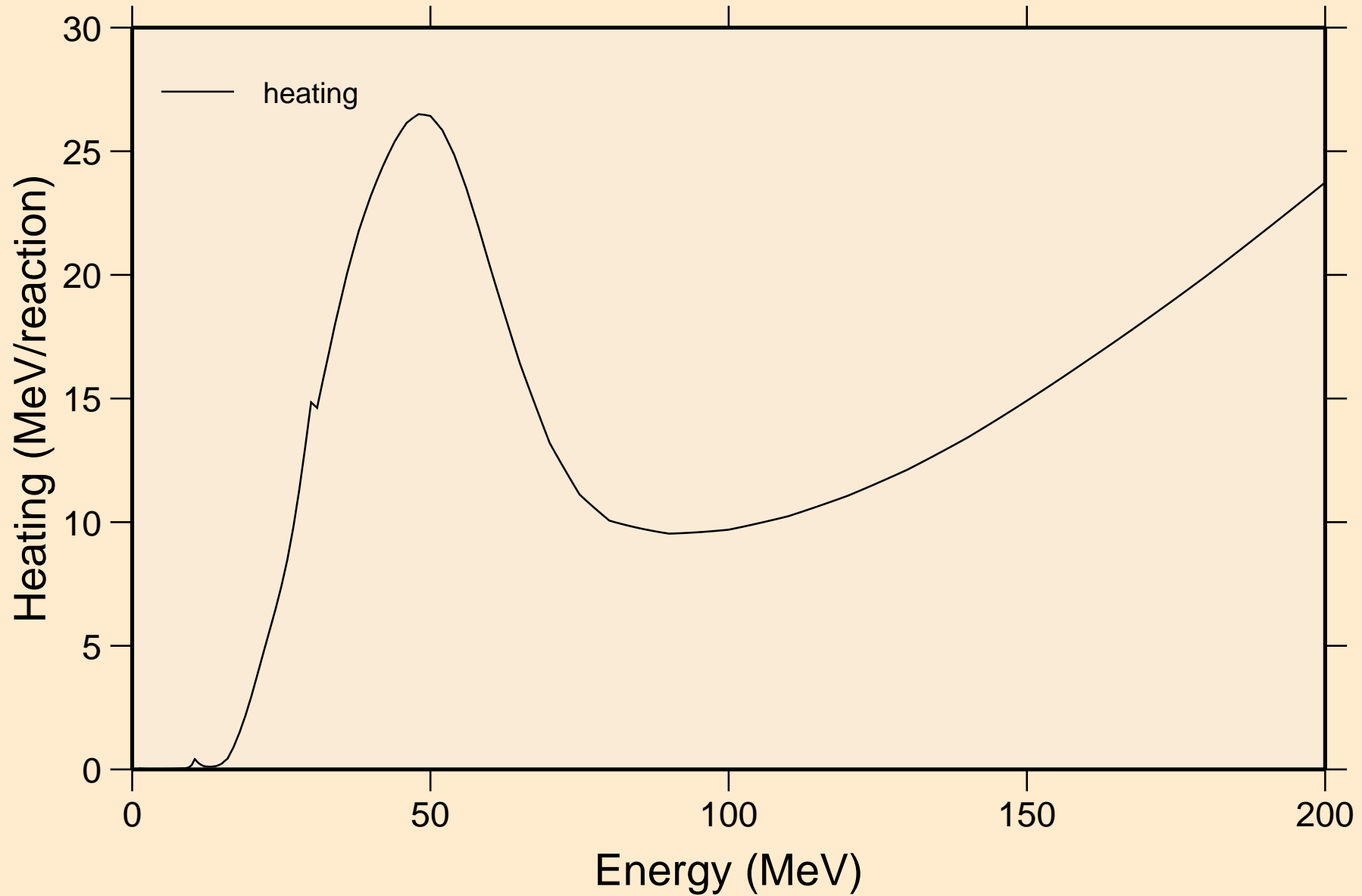
# RN224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections

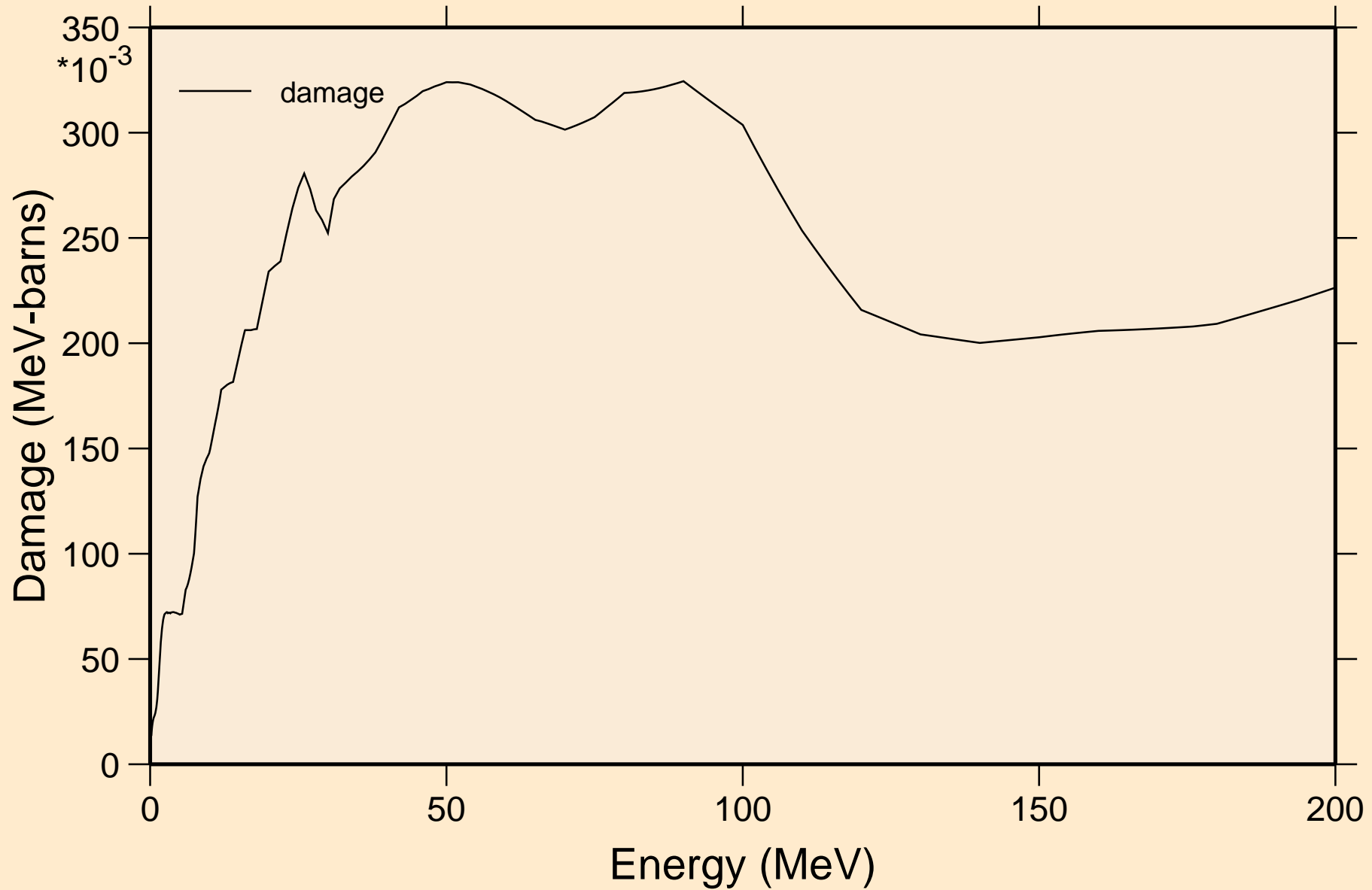


# RN224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Heating



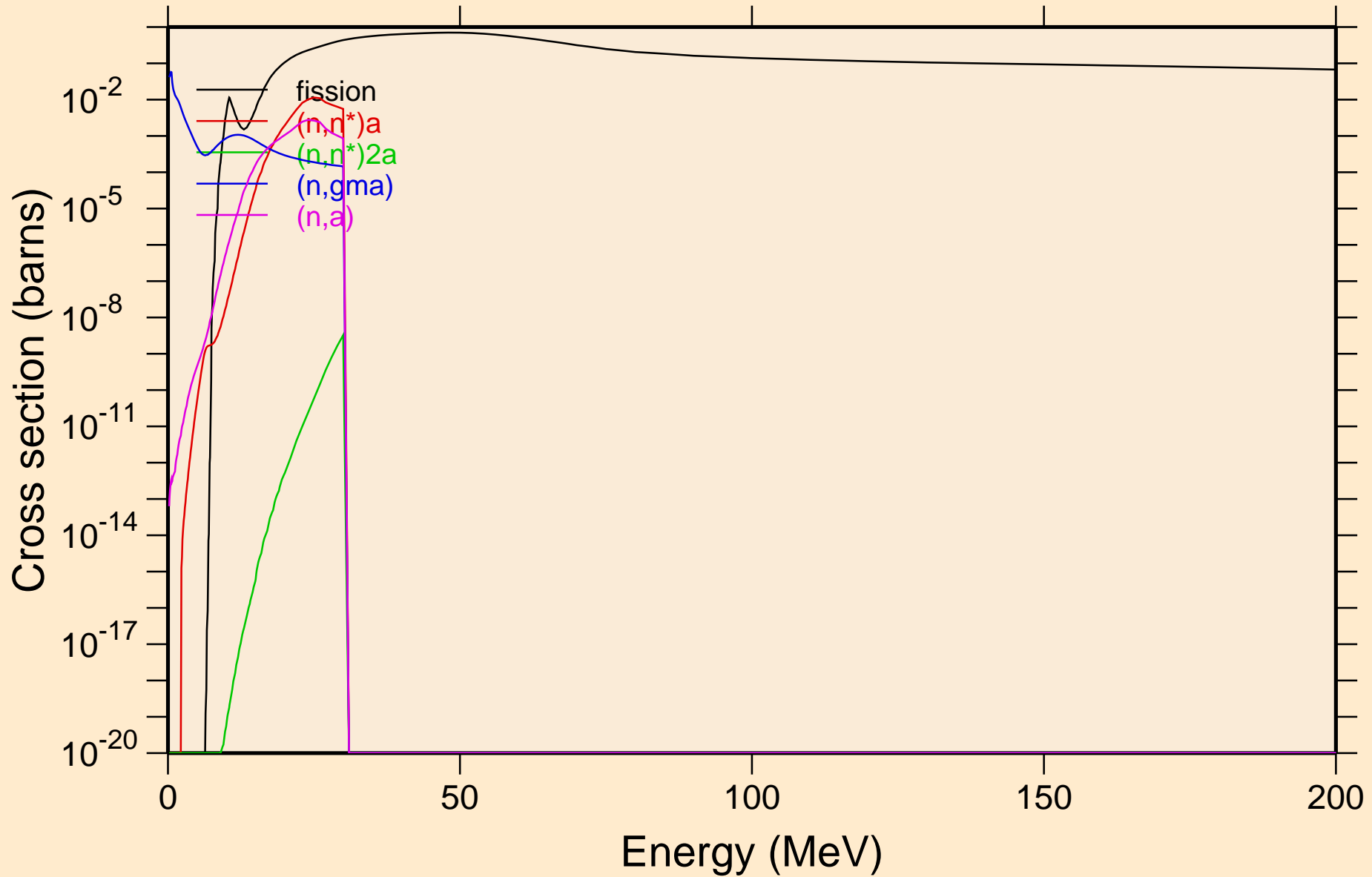
RN224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Damage



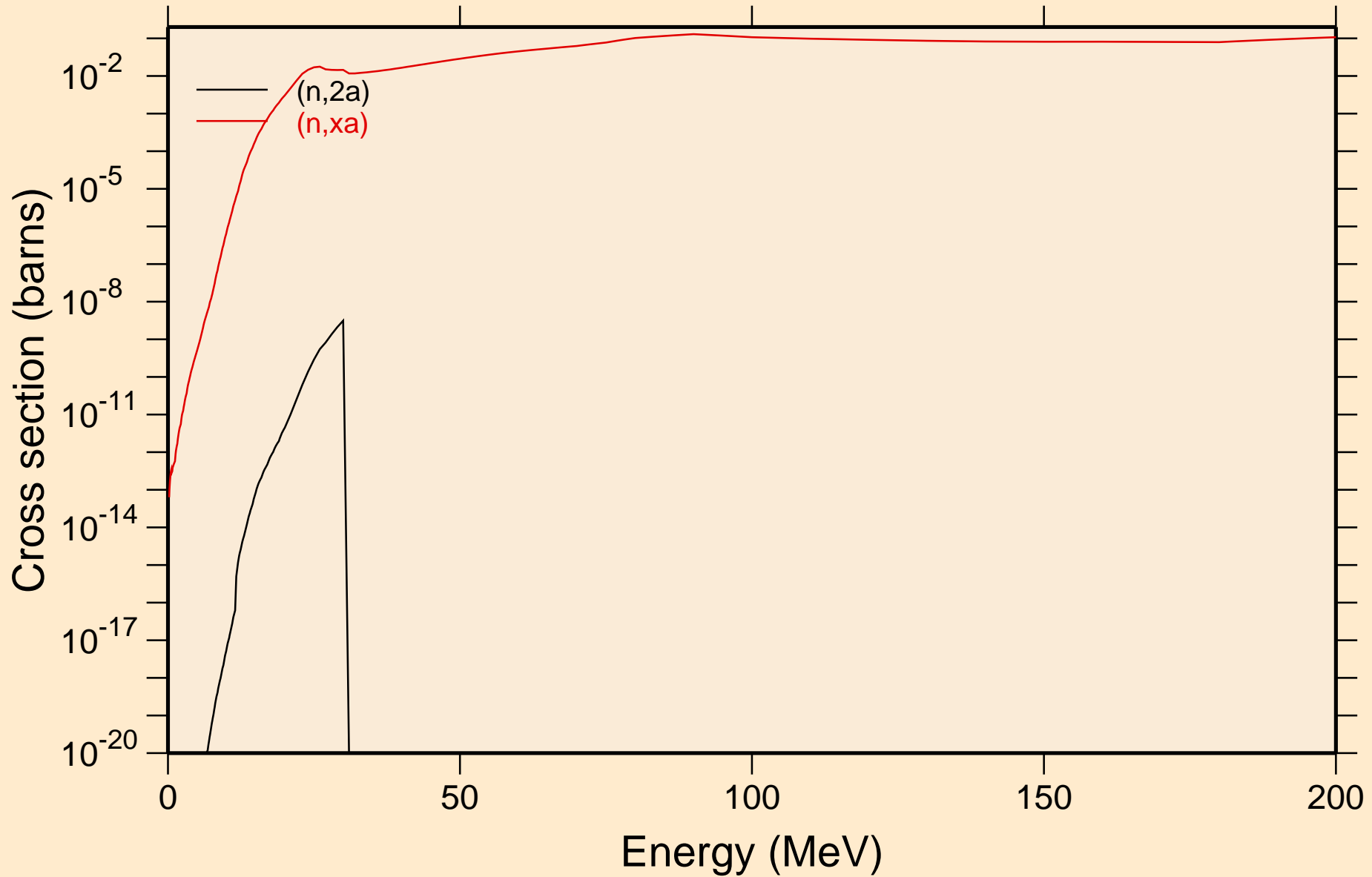


# RN224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

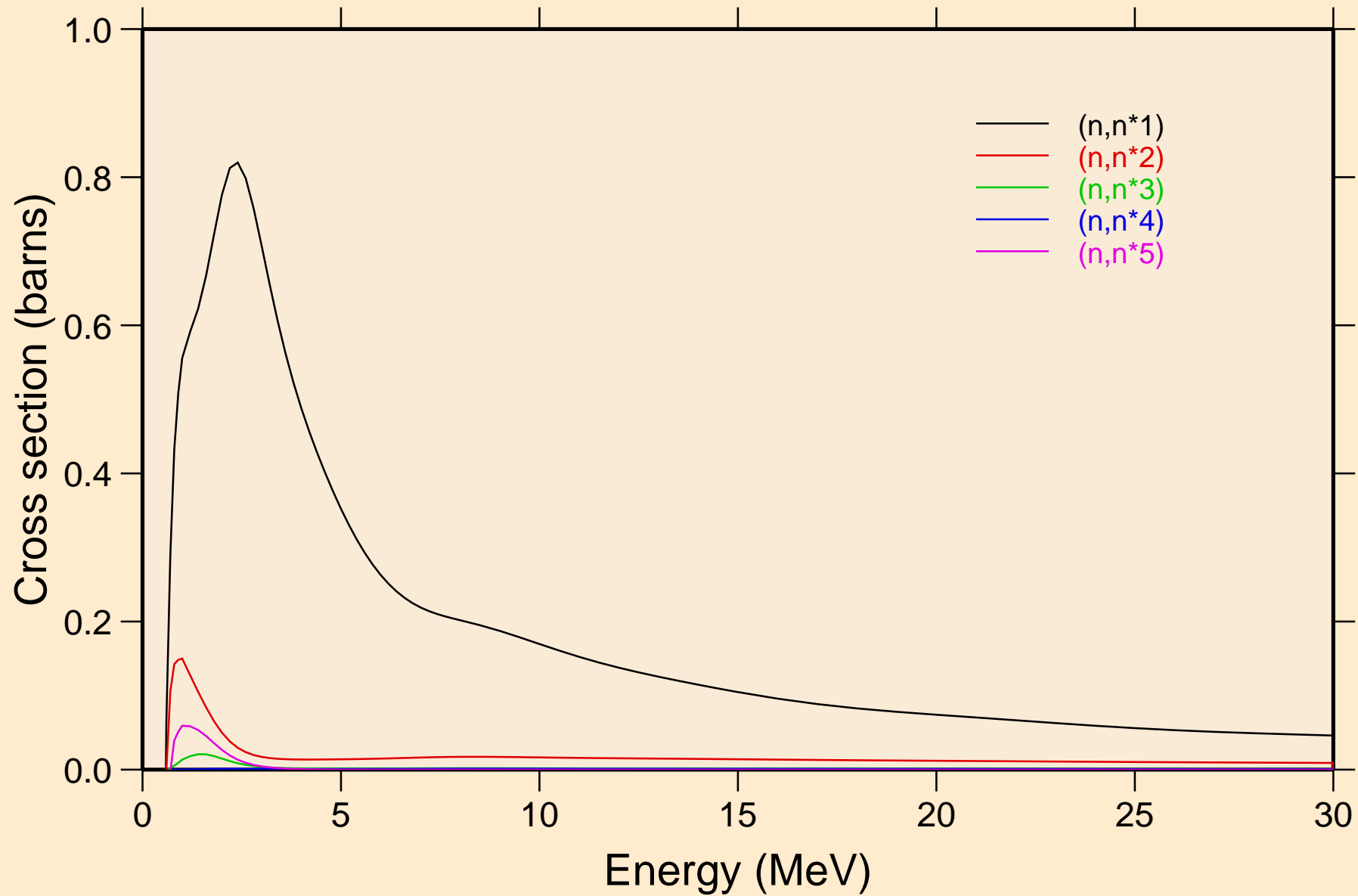
## Non-threshold reactions



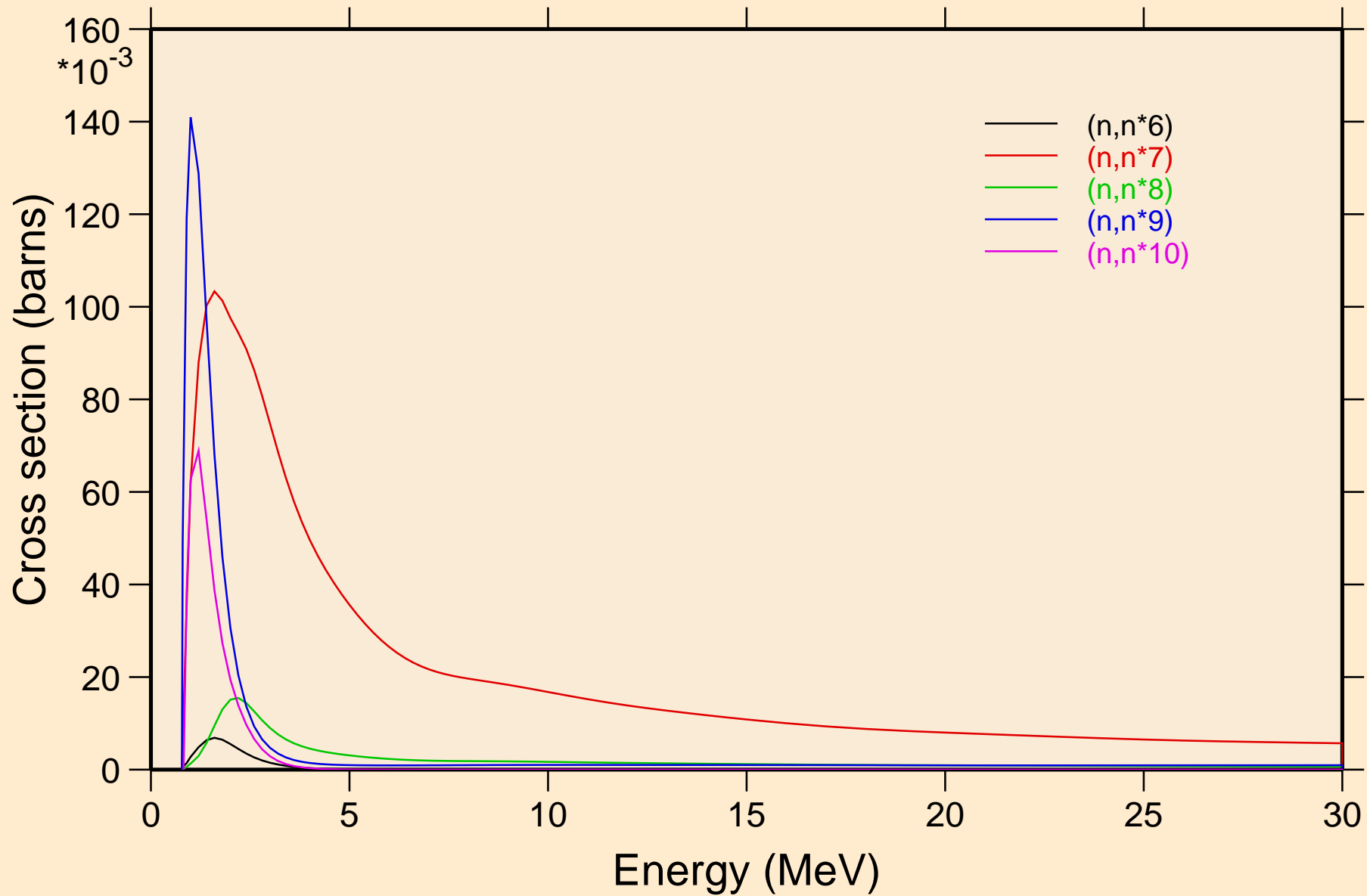
RN224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



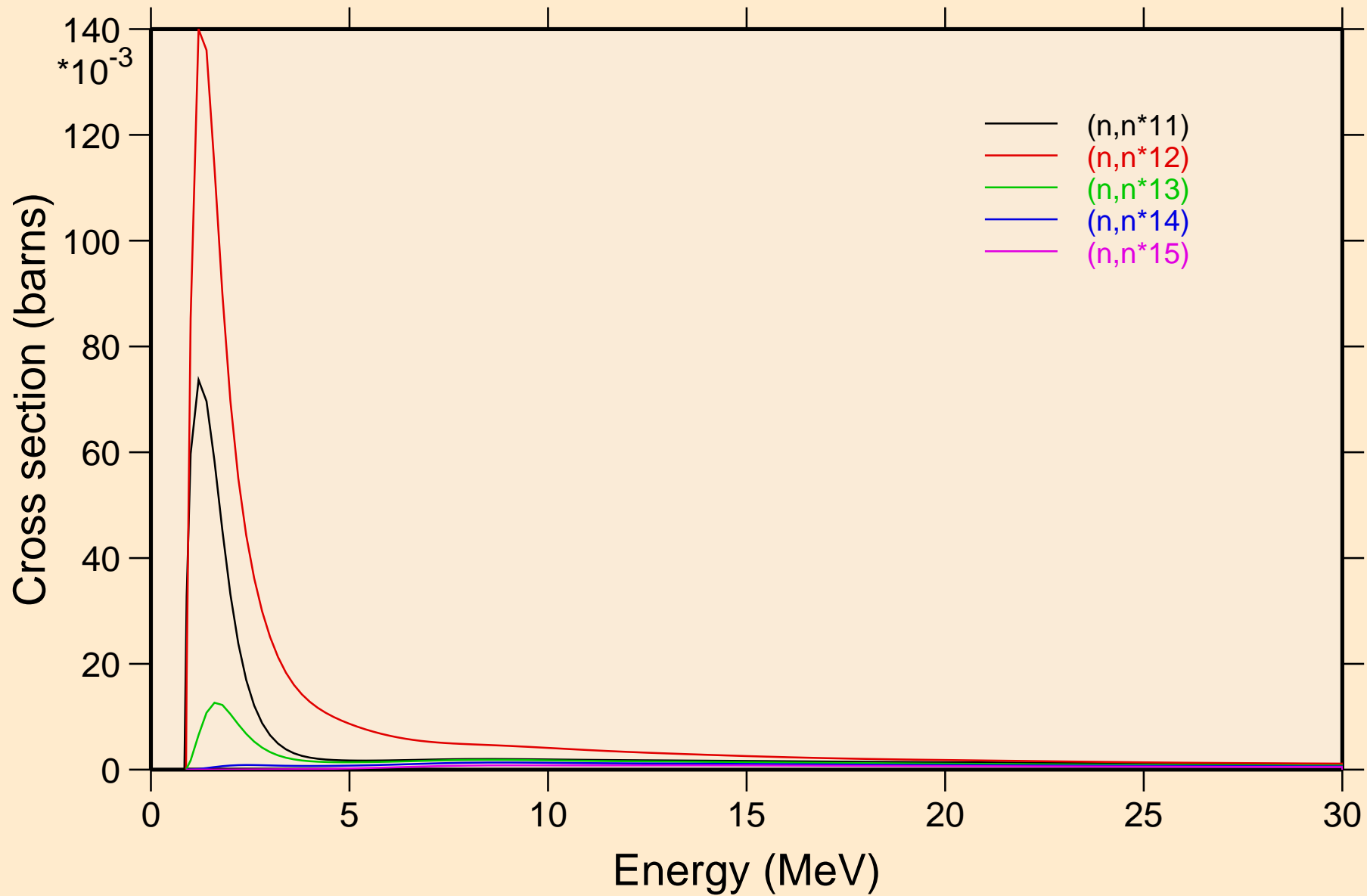
RN224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



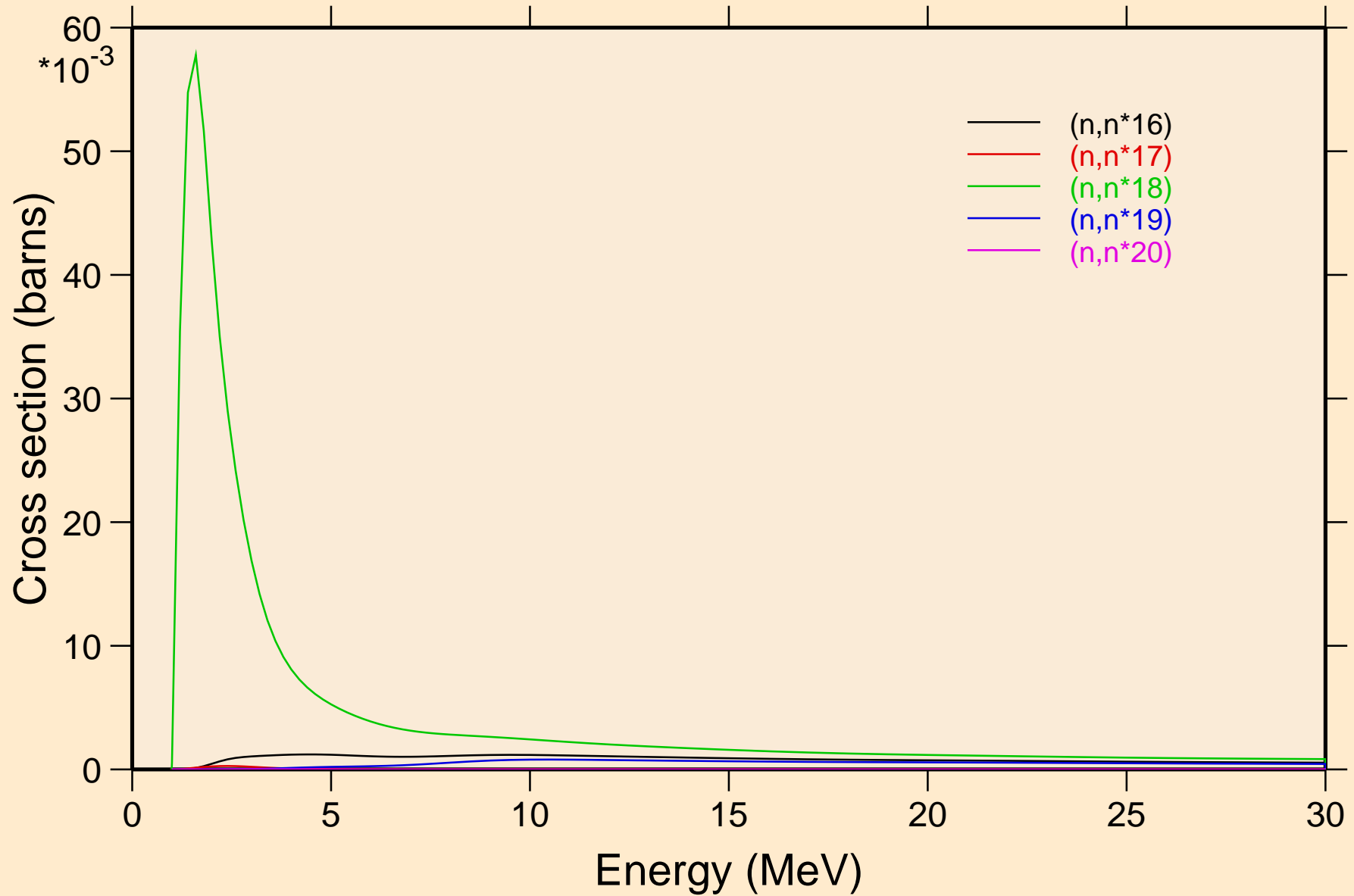
RN224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



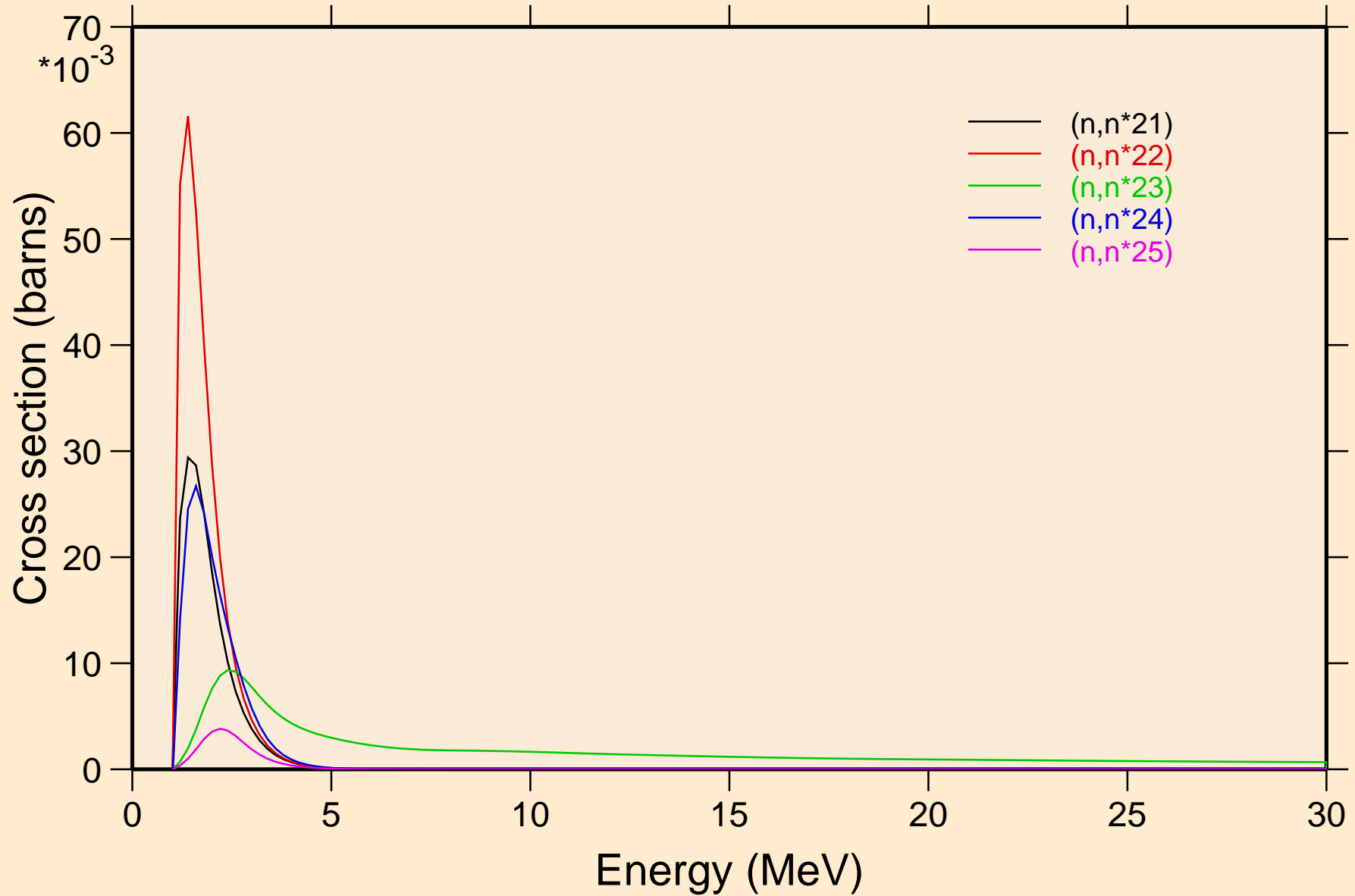
RN224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



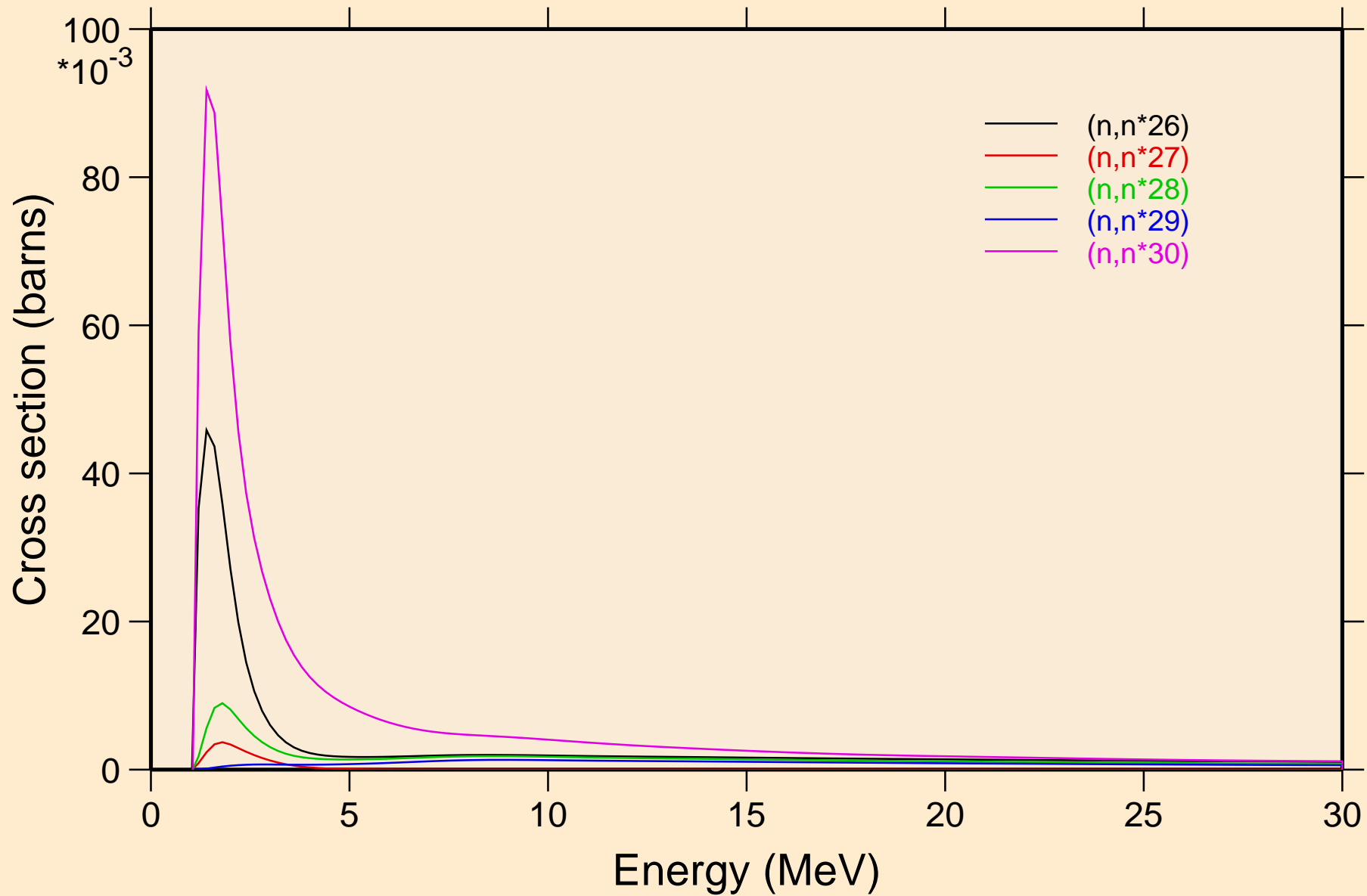
RN224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



RN224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



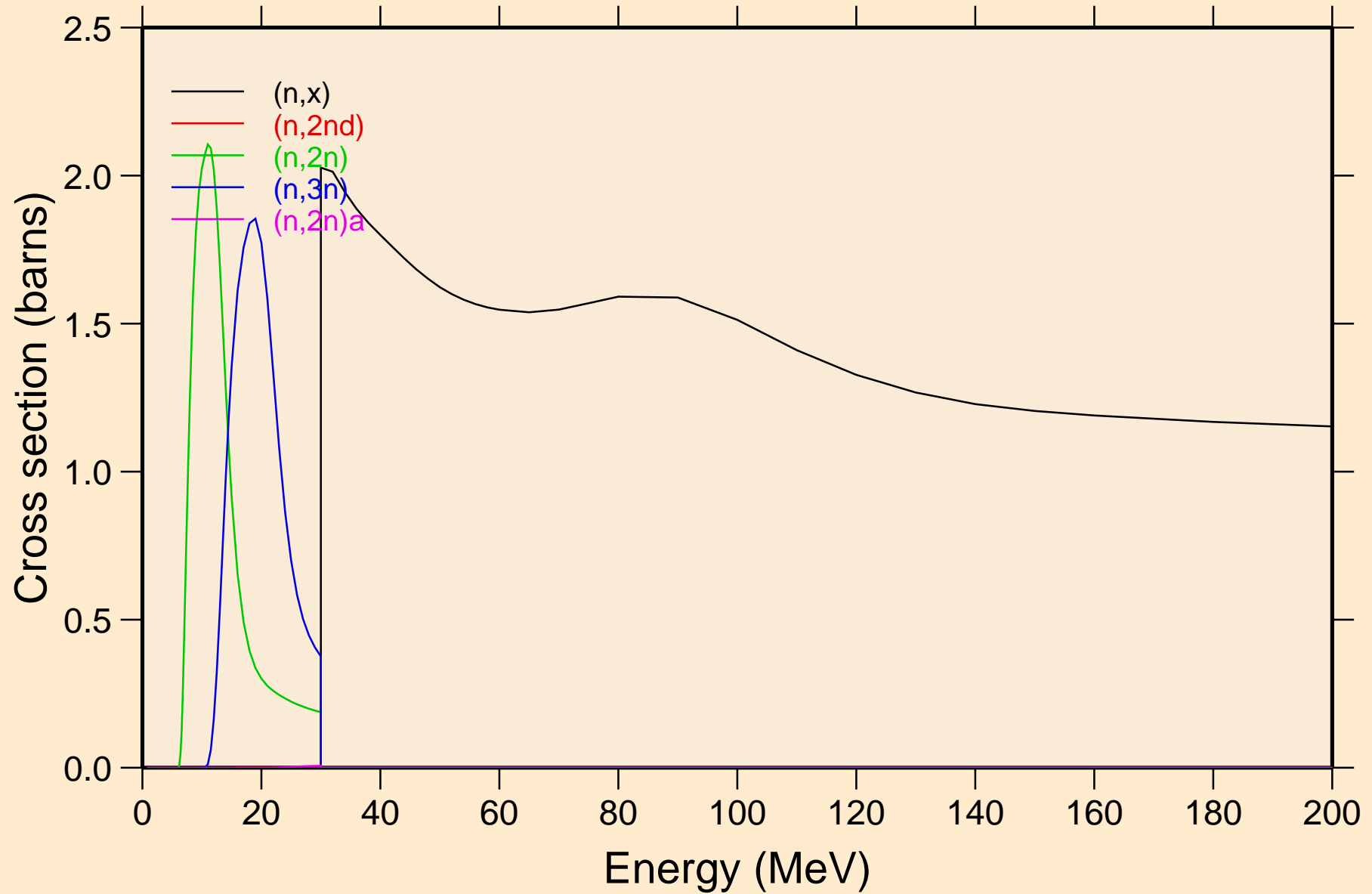
RN224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels





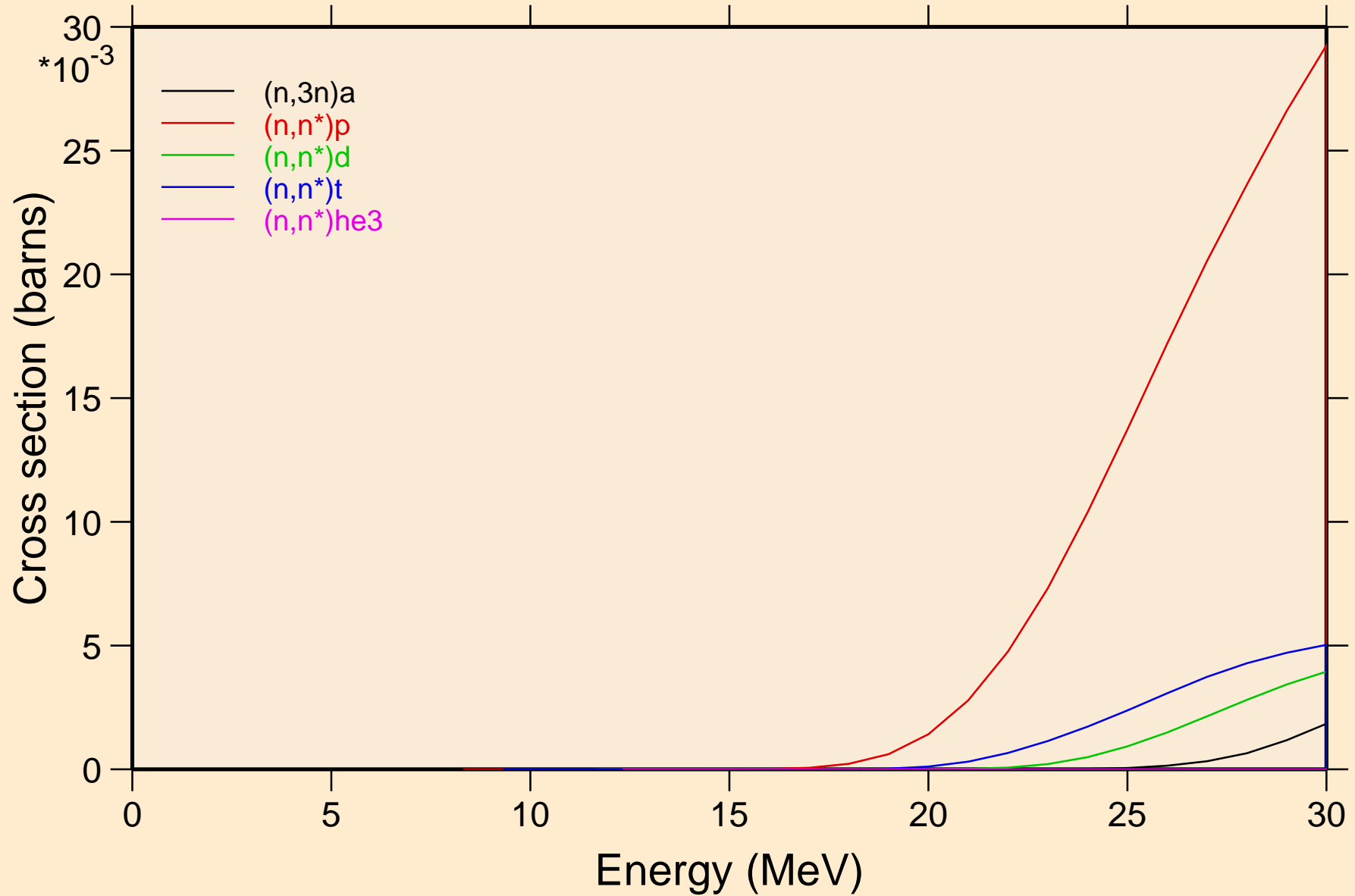
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## Threshold reactions



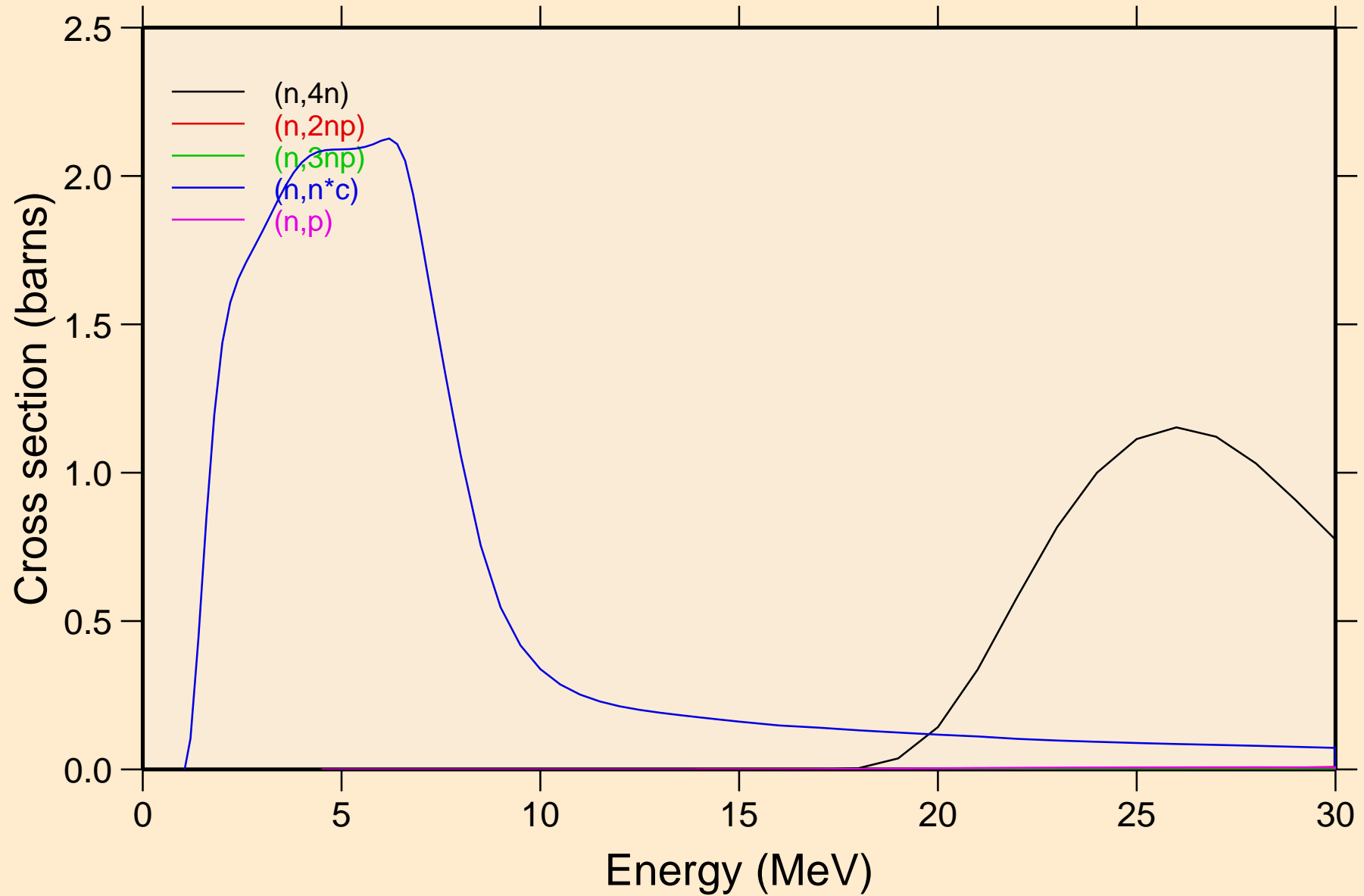
# RN224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



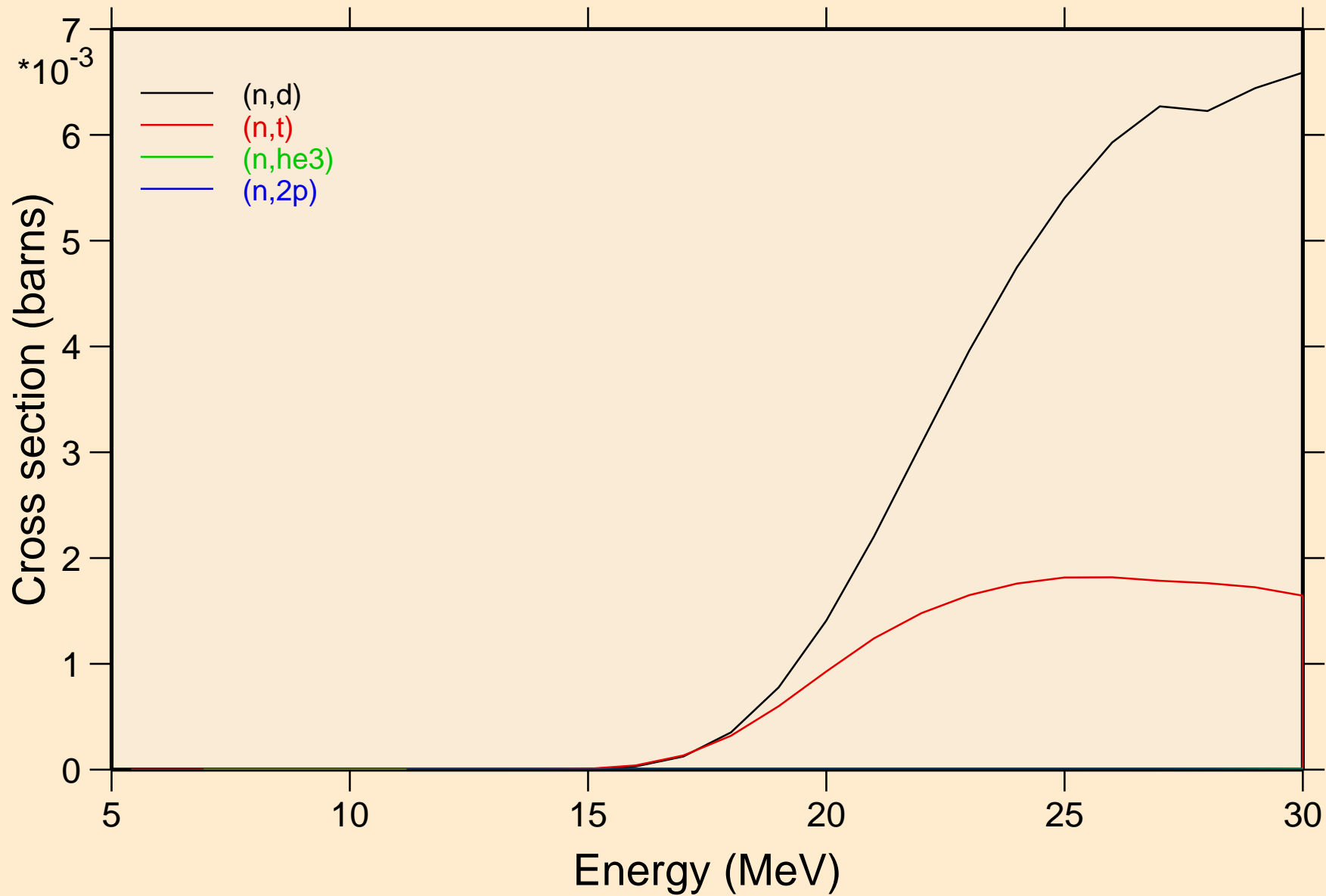
# RN224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



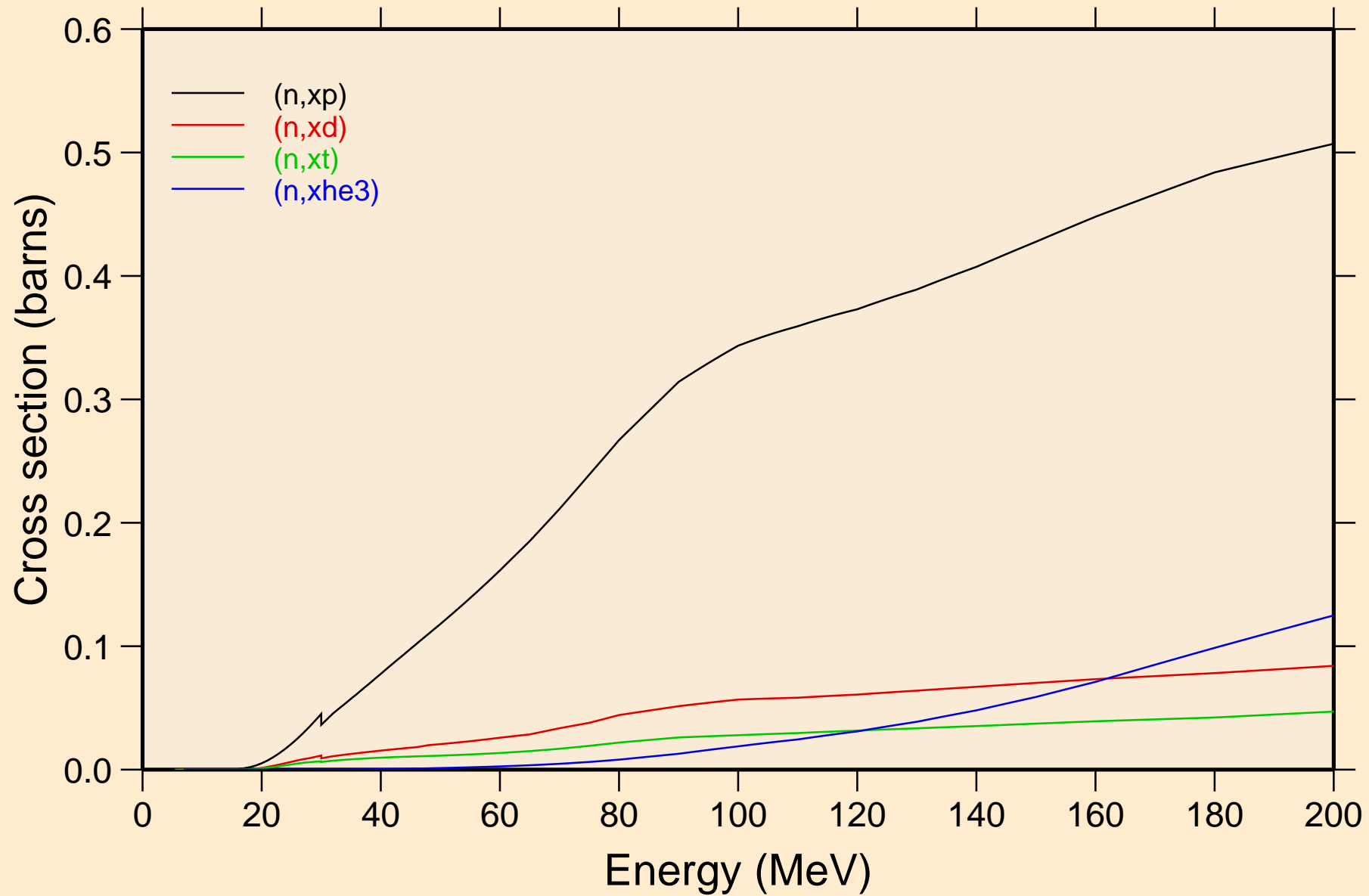
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## Threshold reactions

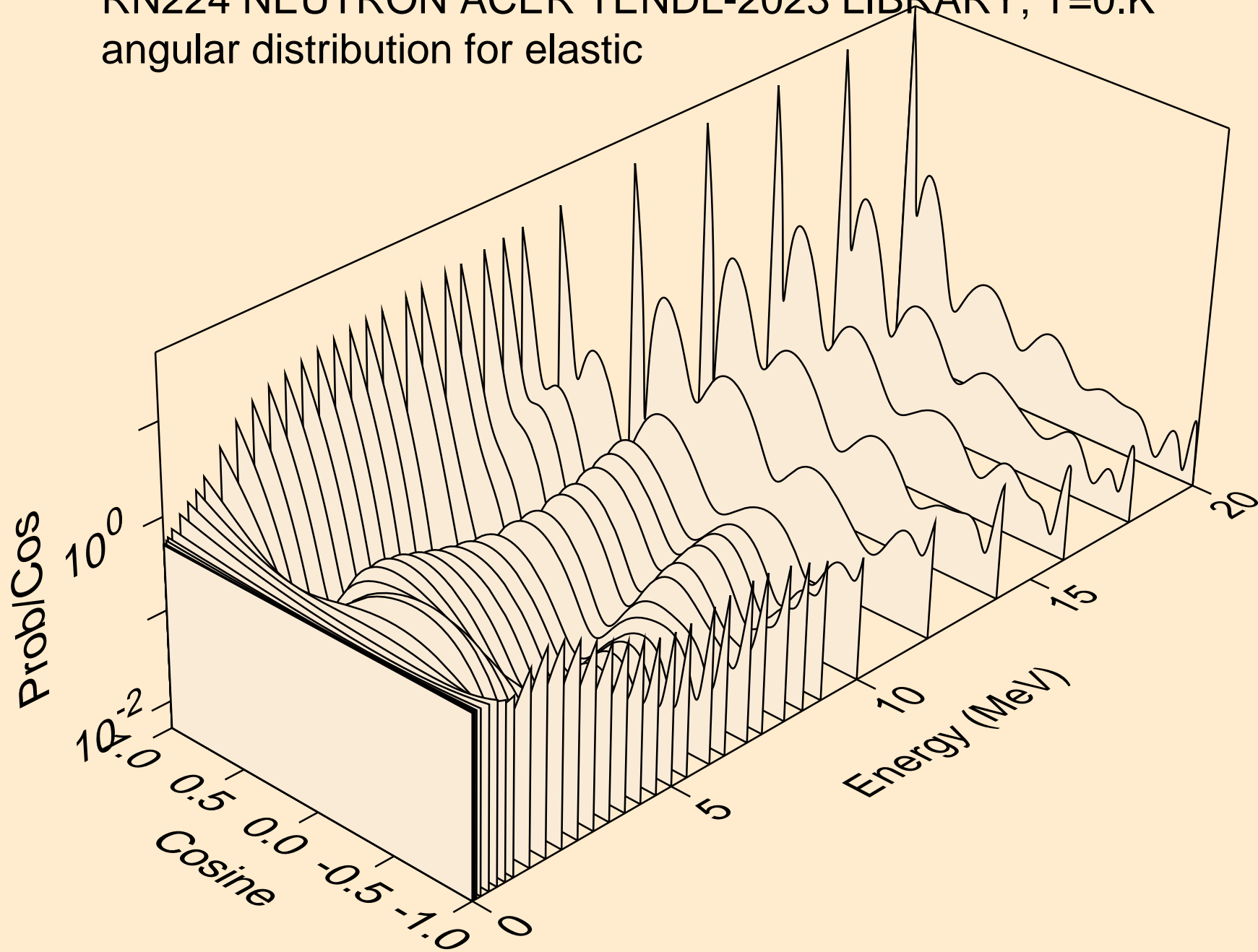


# RN224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

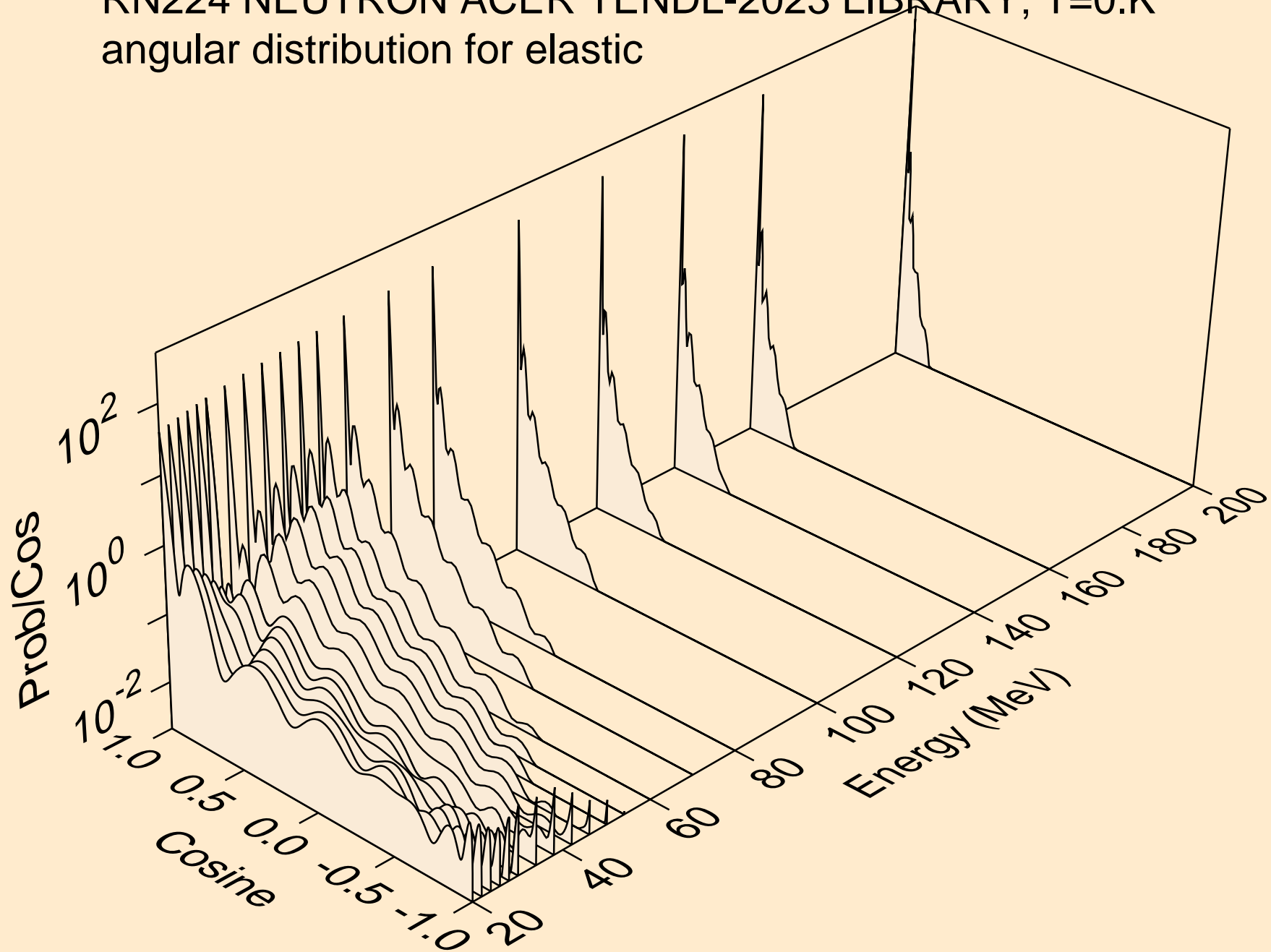
## Threshold reactions



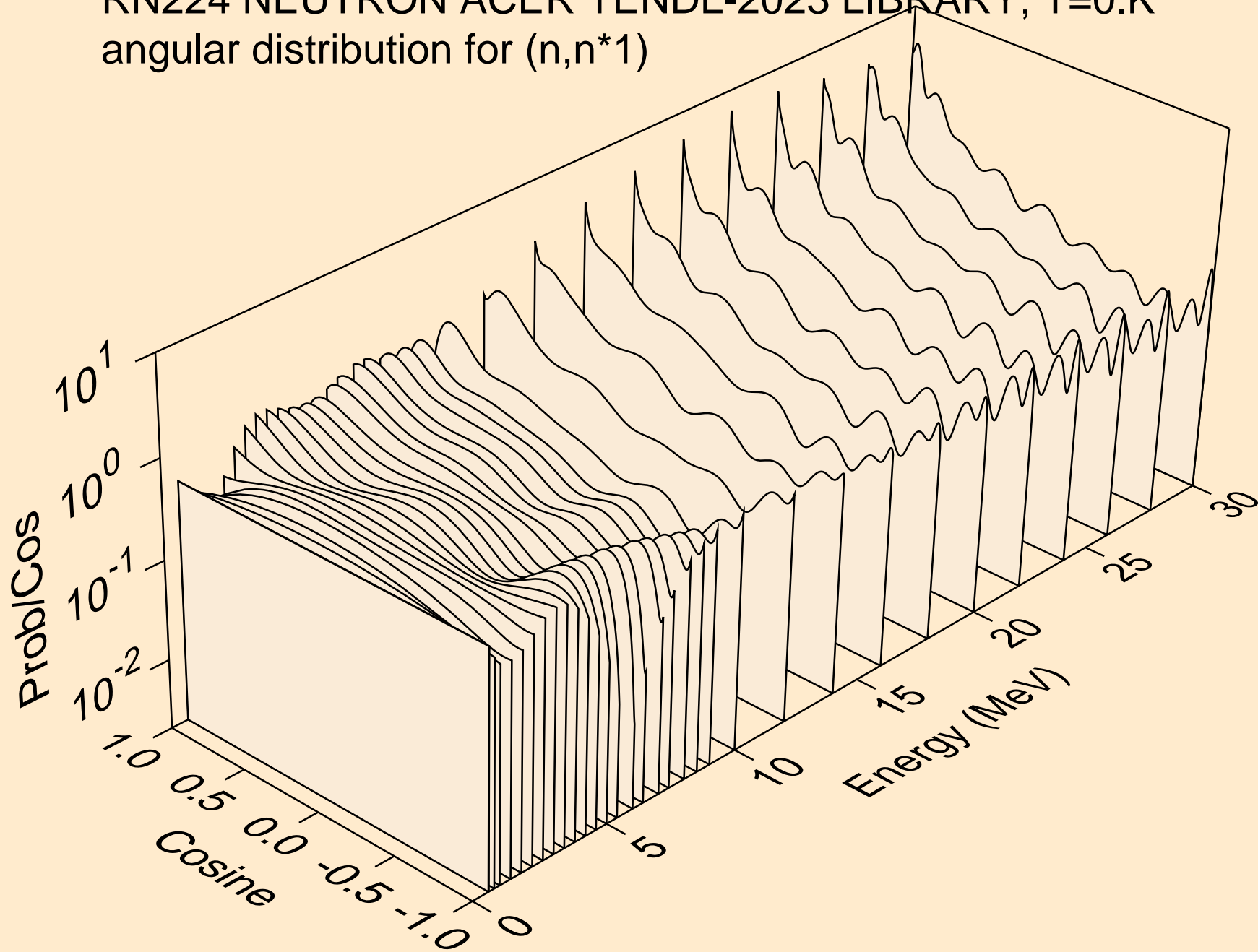
RN224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



RN224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic

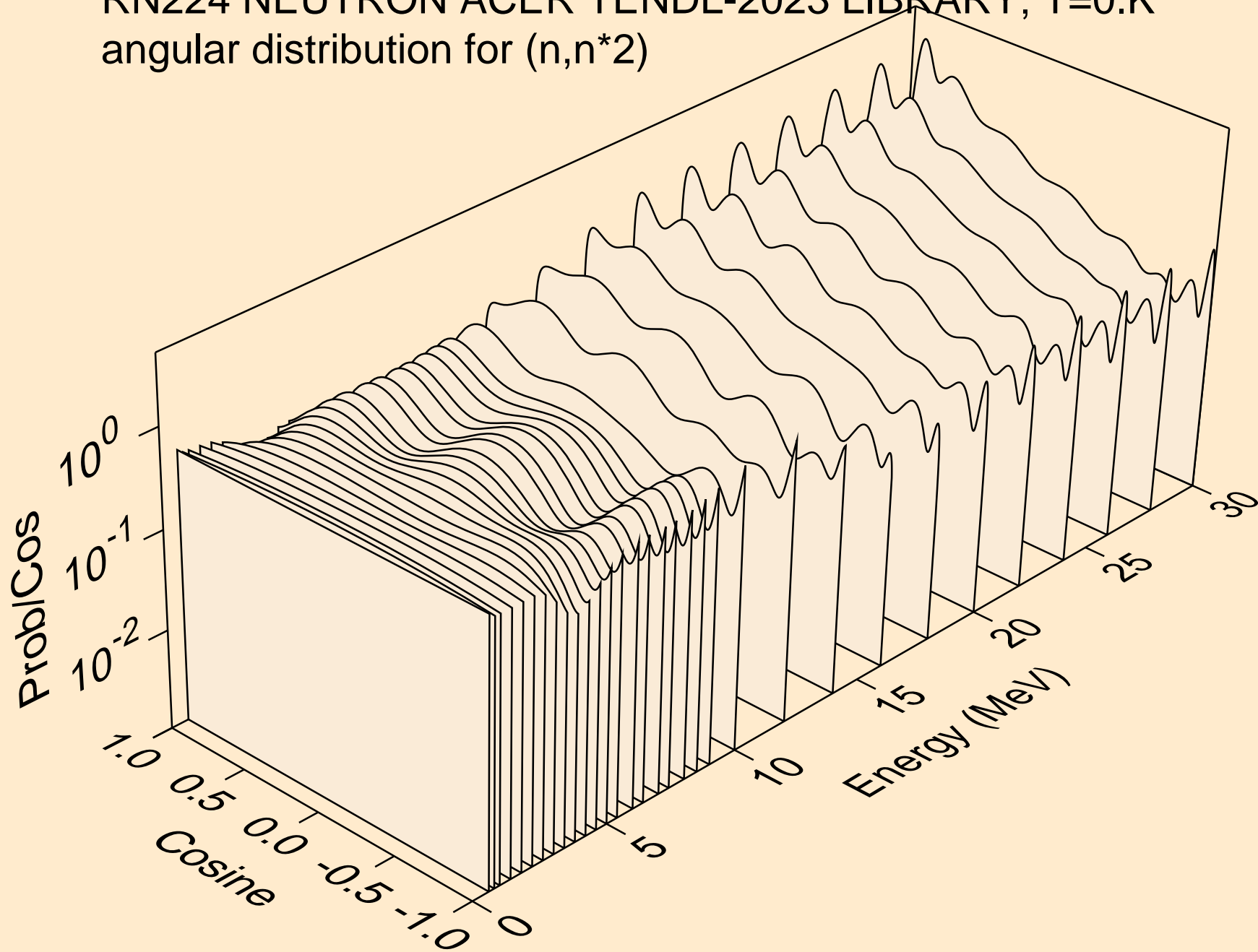


RN224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*1)

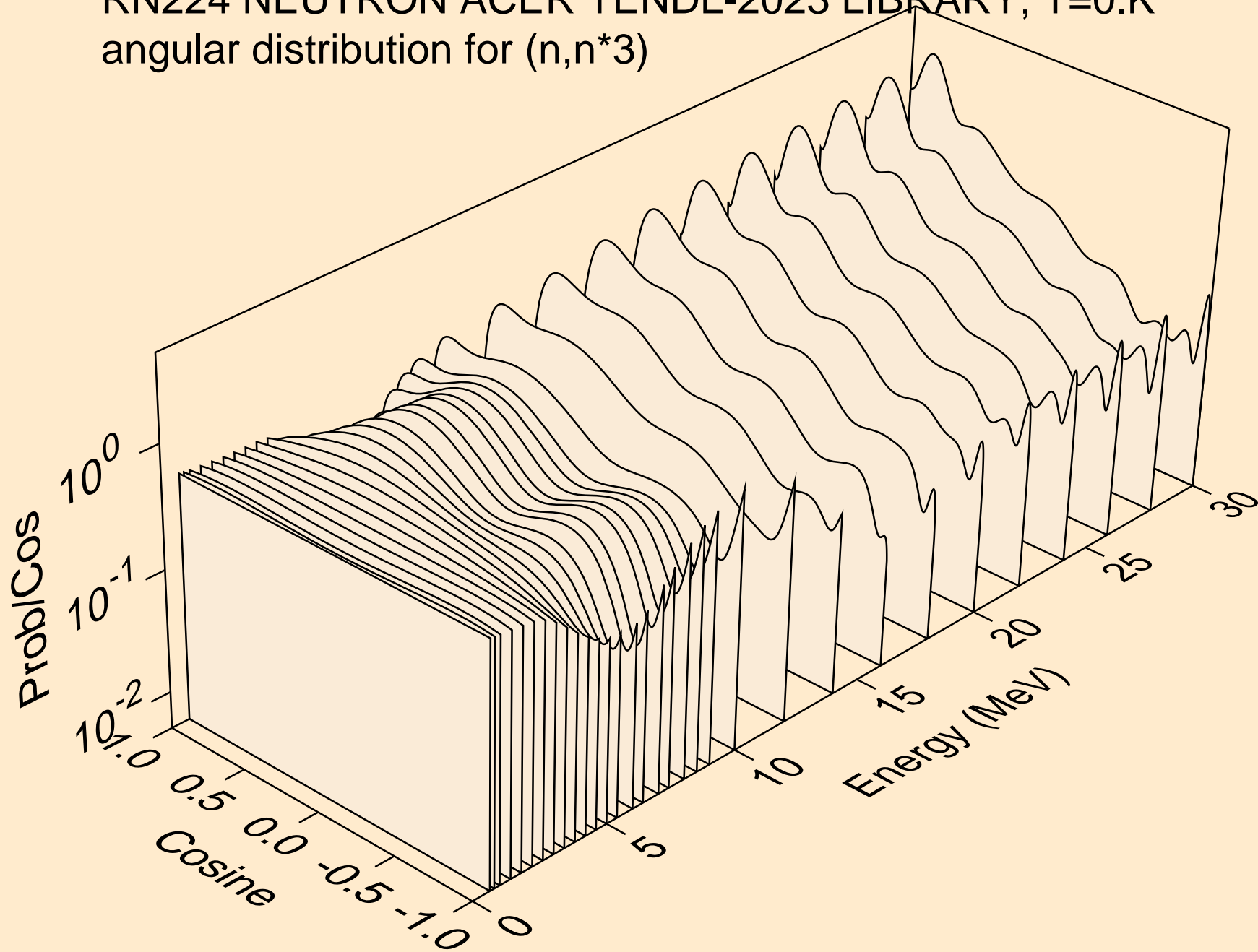




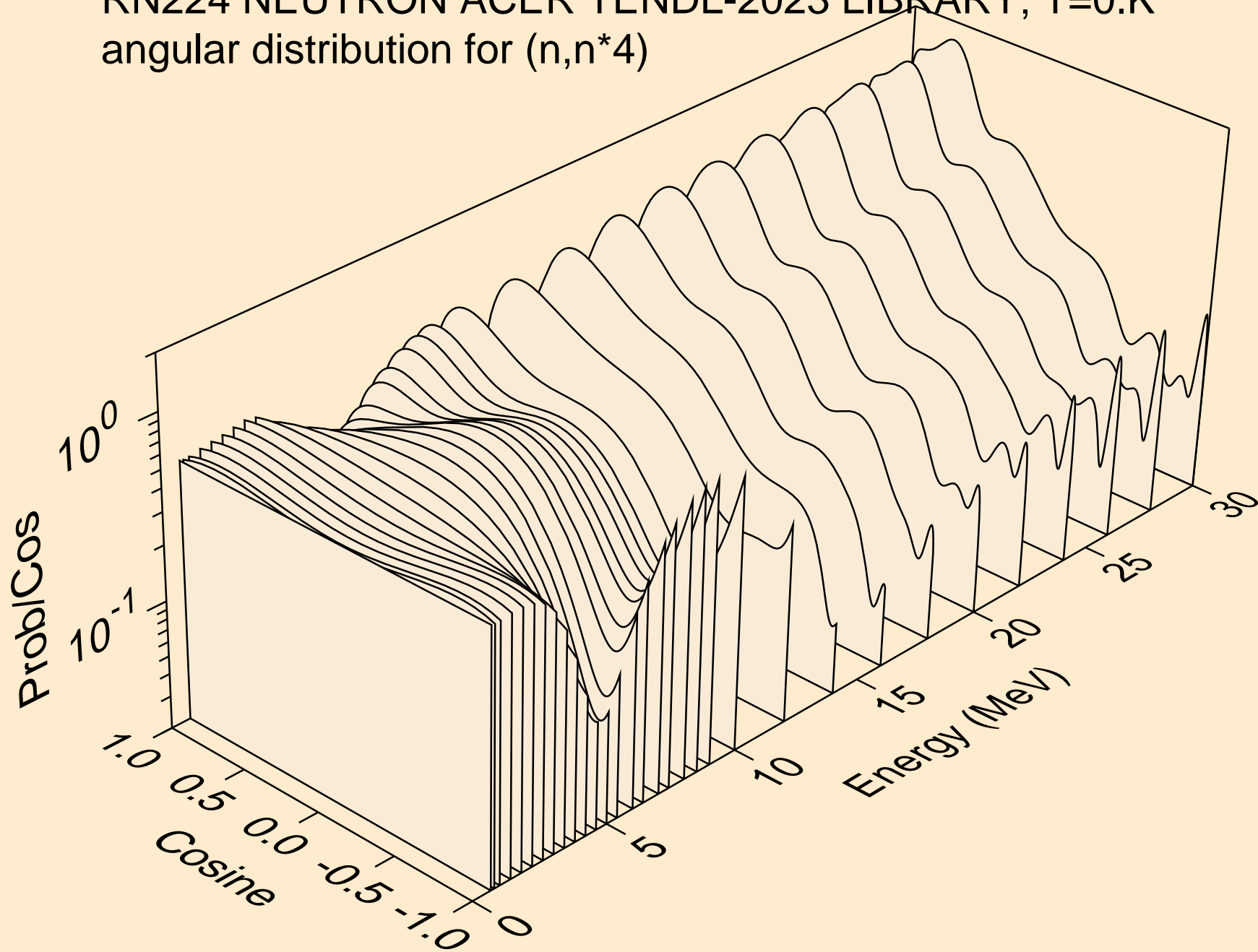
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angular distribution for (n,n\*2)



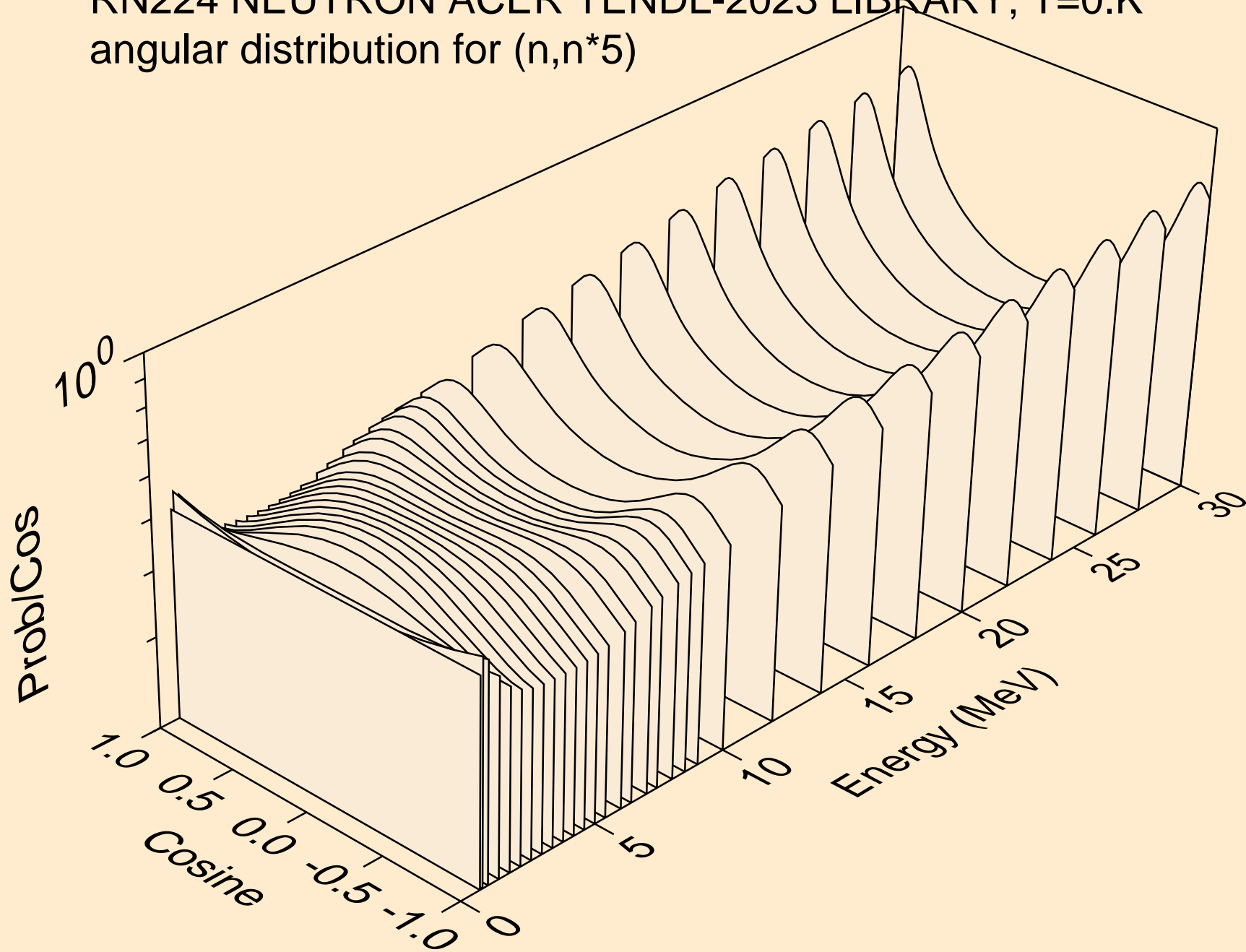
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angular distribution for (n,n\*3)



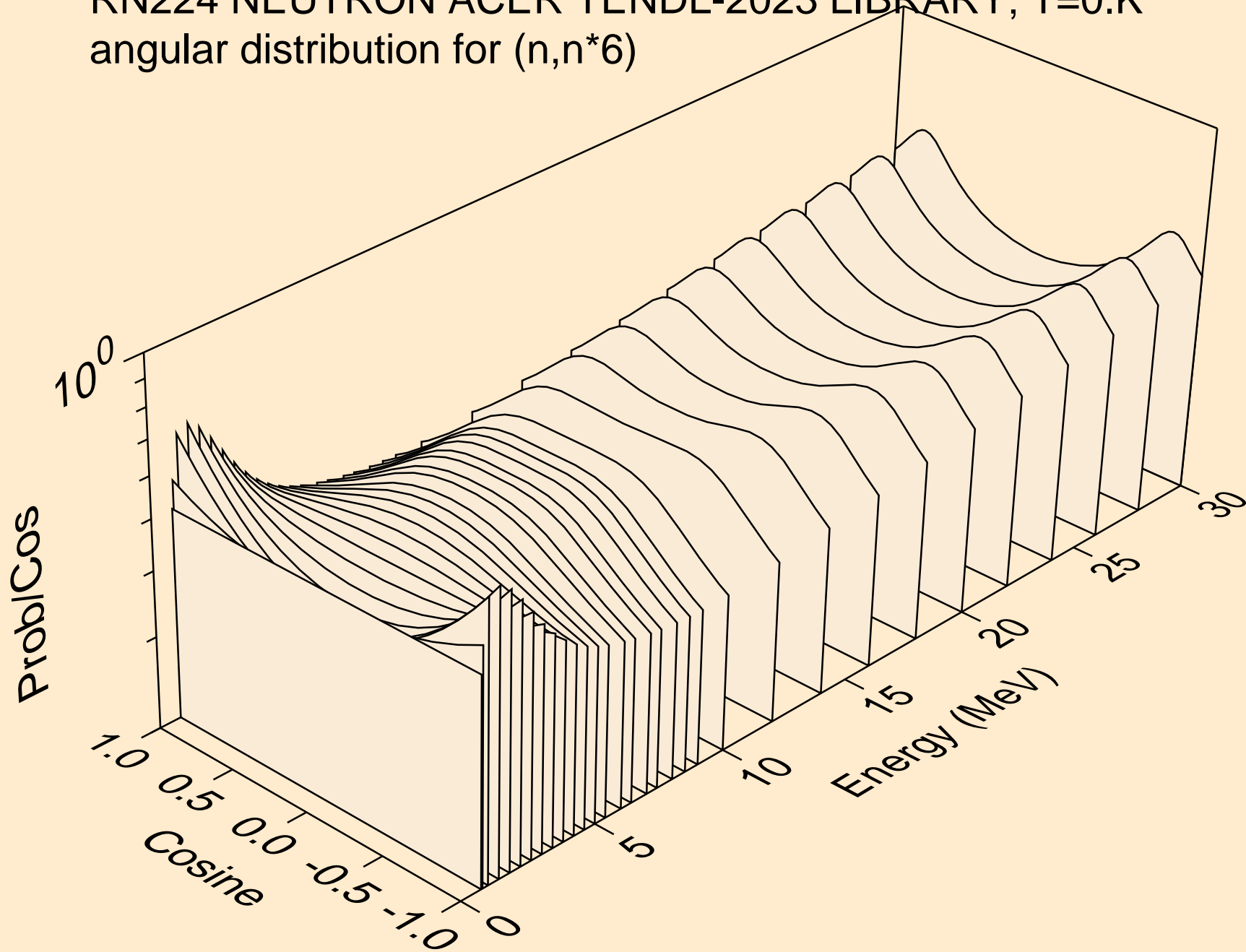
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angular distribution for (n,n\*4)



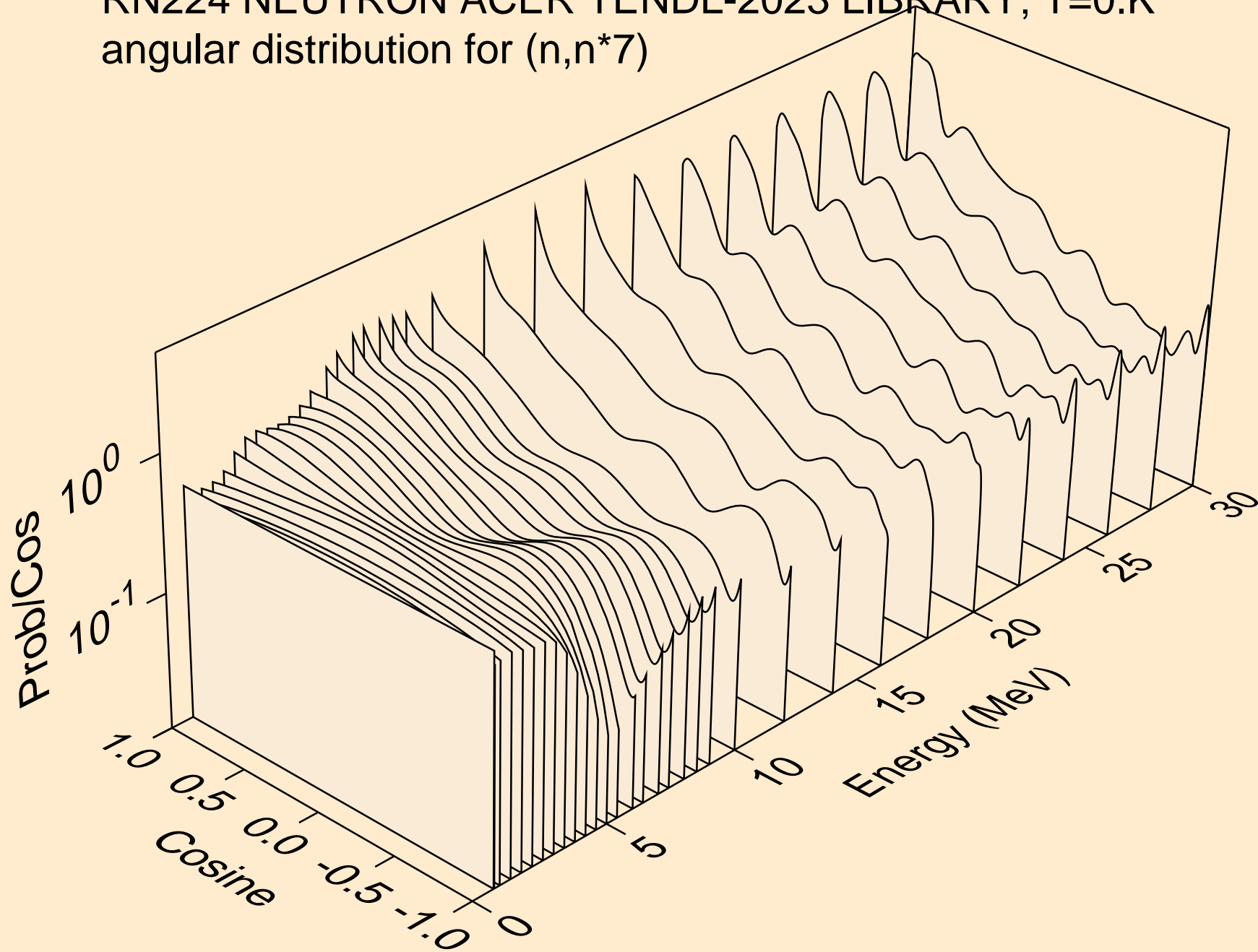
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angular distribution for (n,n\*5)



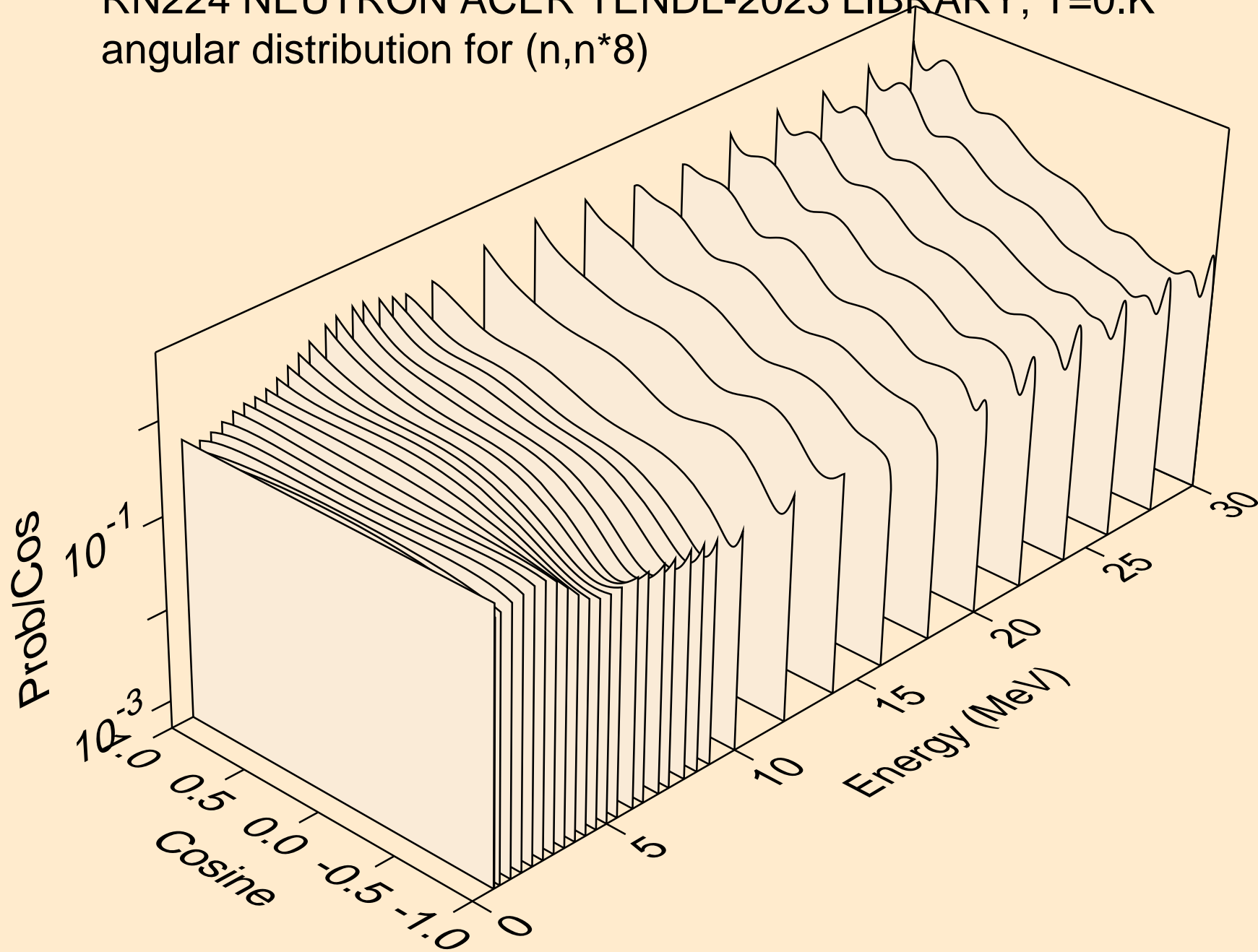
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angular distribution for (n,n\*6)



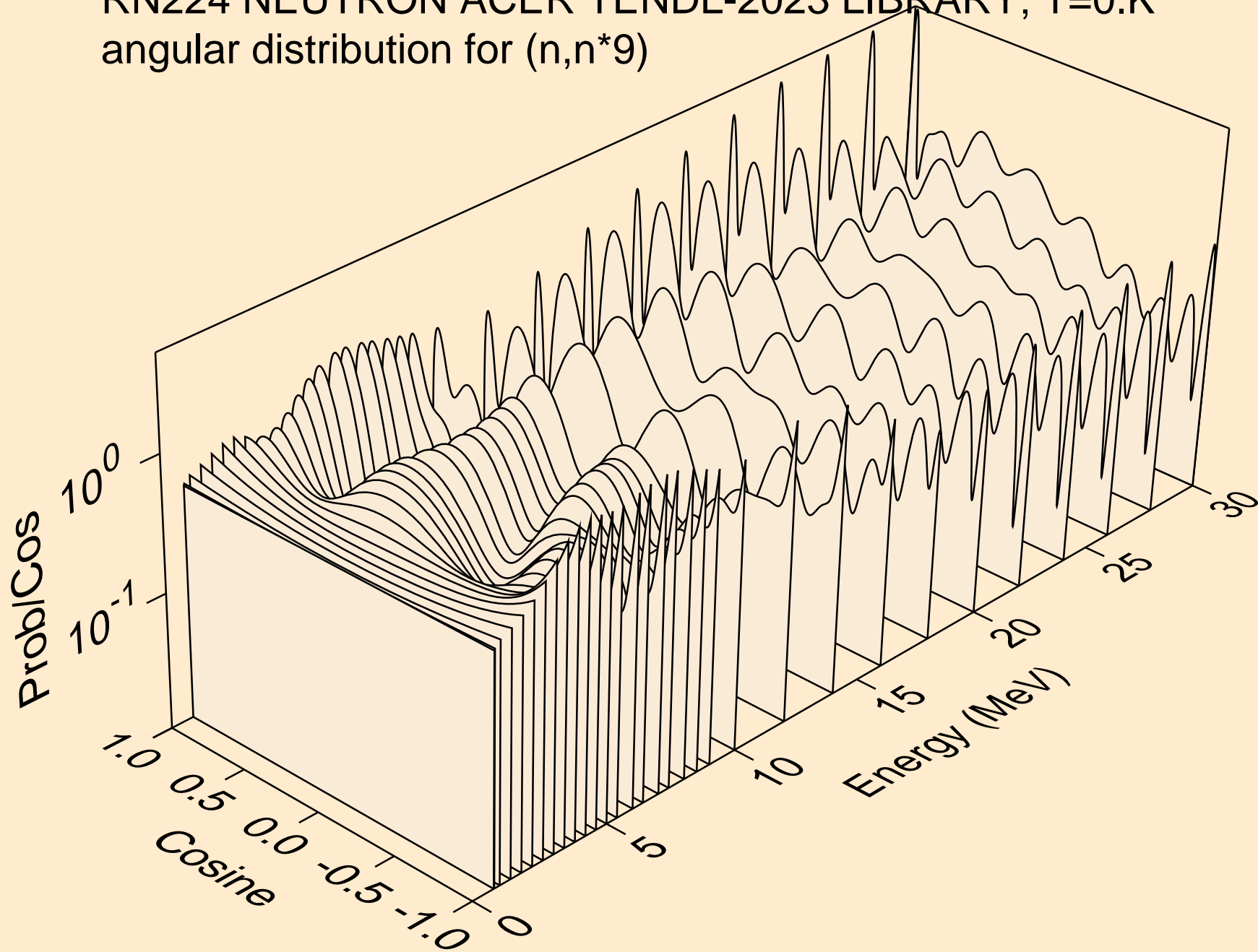
RN224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*7)



RN224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*8)

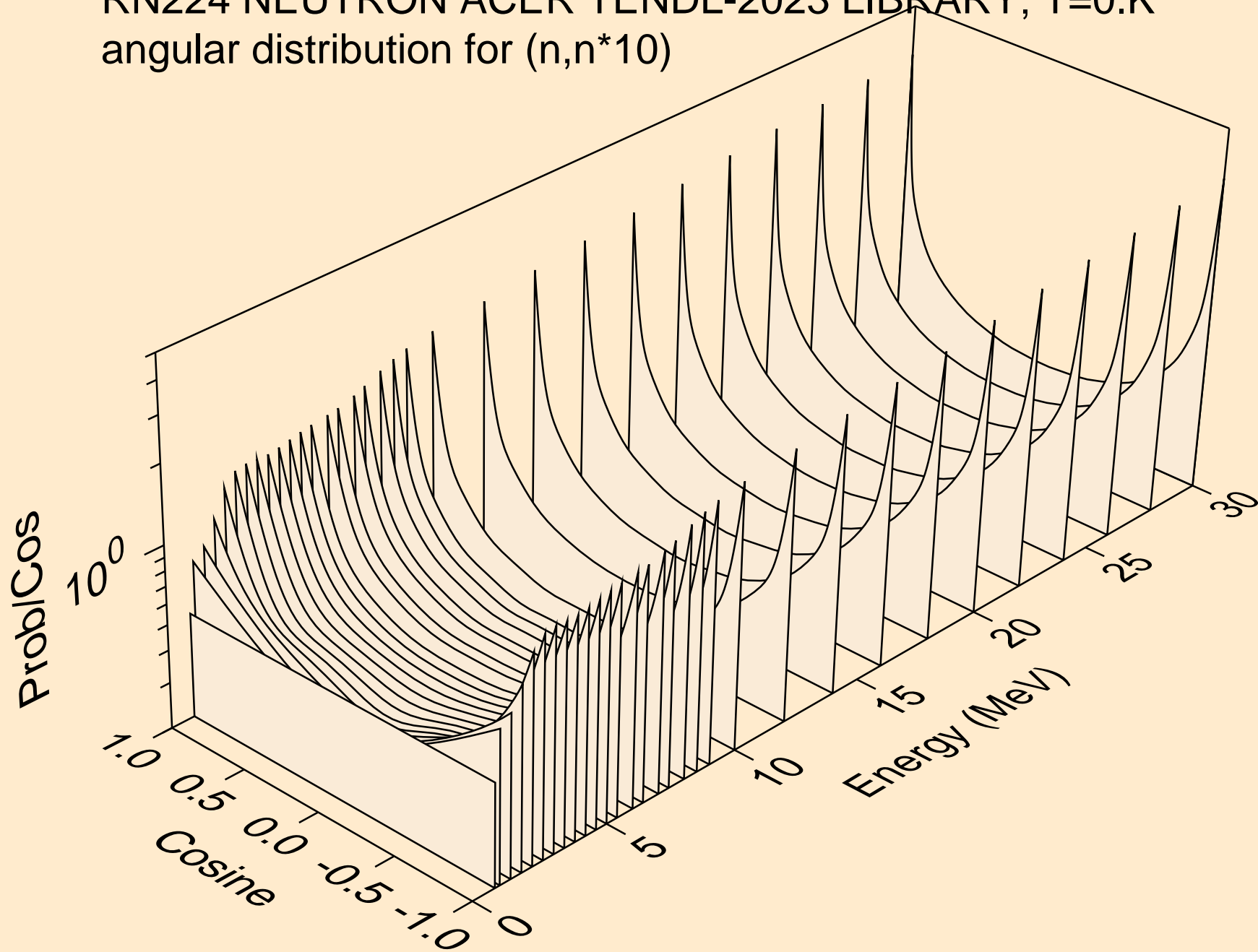


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angular distribution for (n,n\*9)

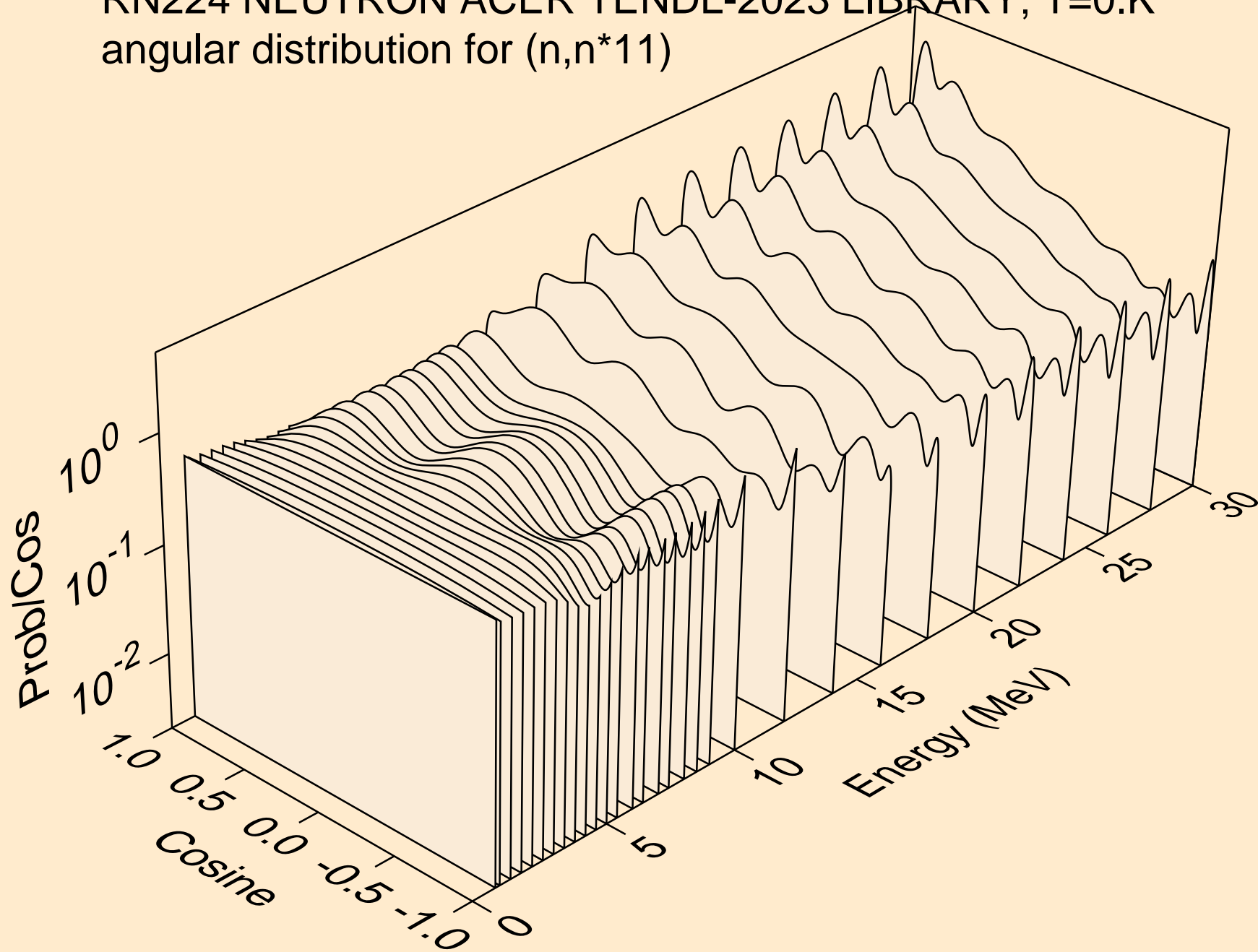




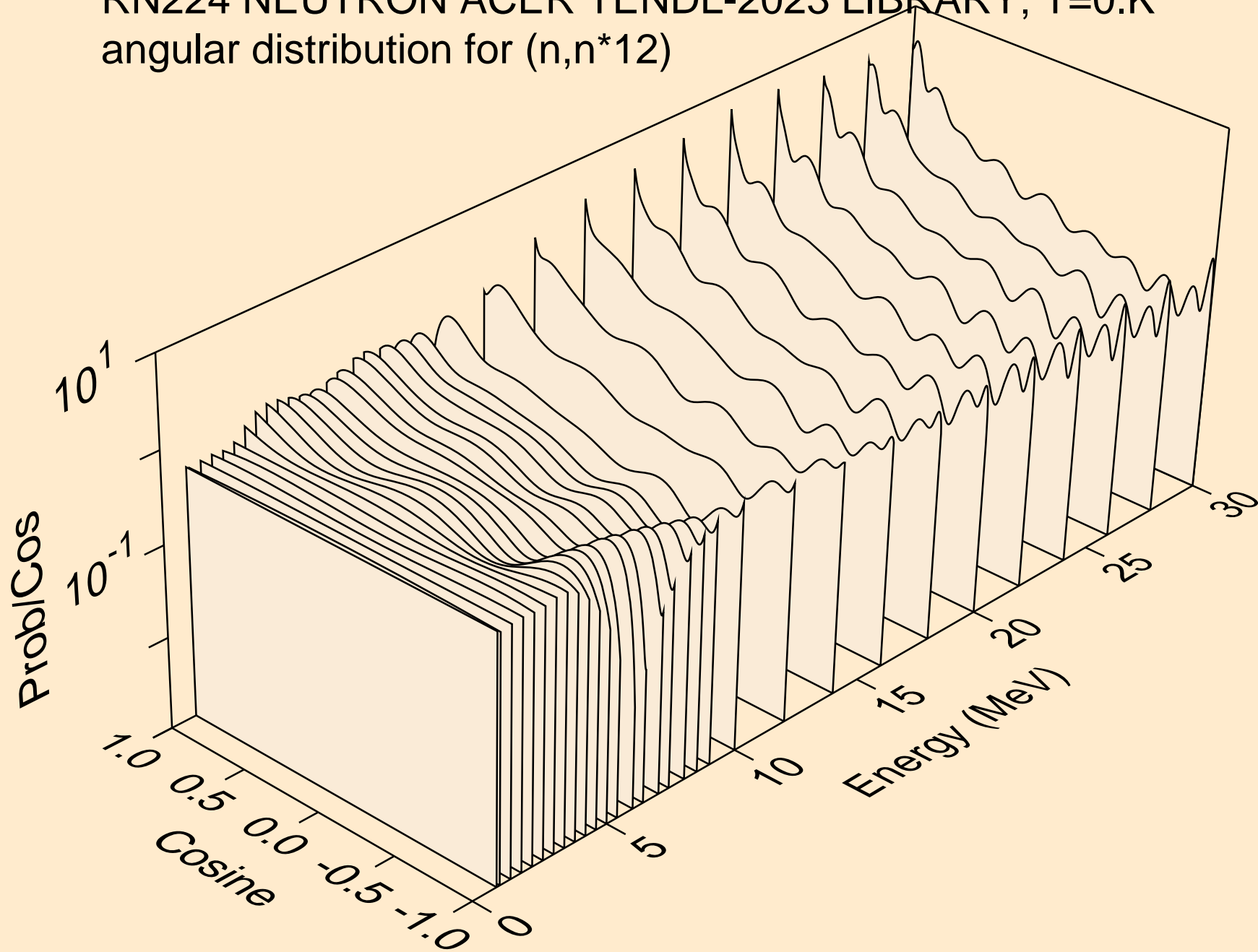
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angular distribution for (n,n\*10)



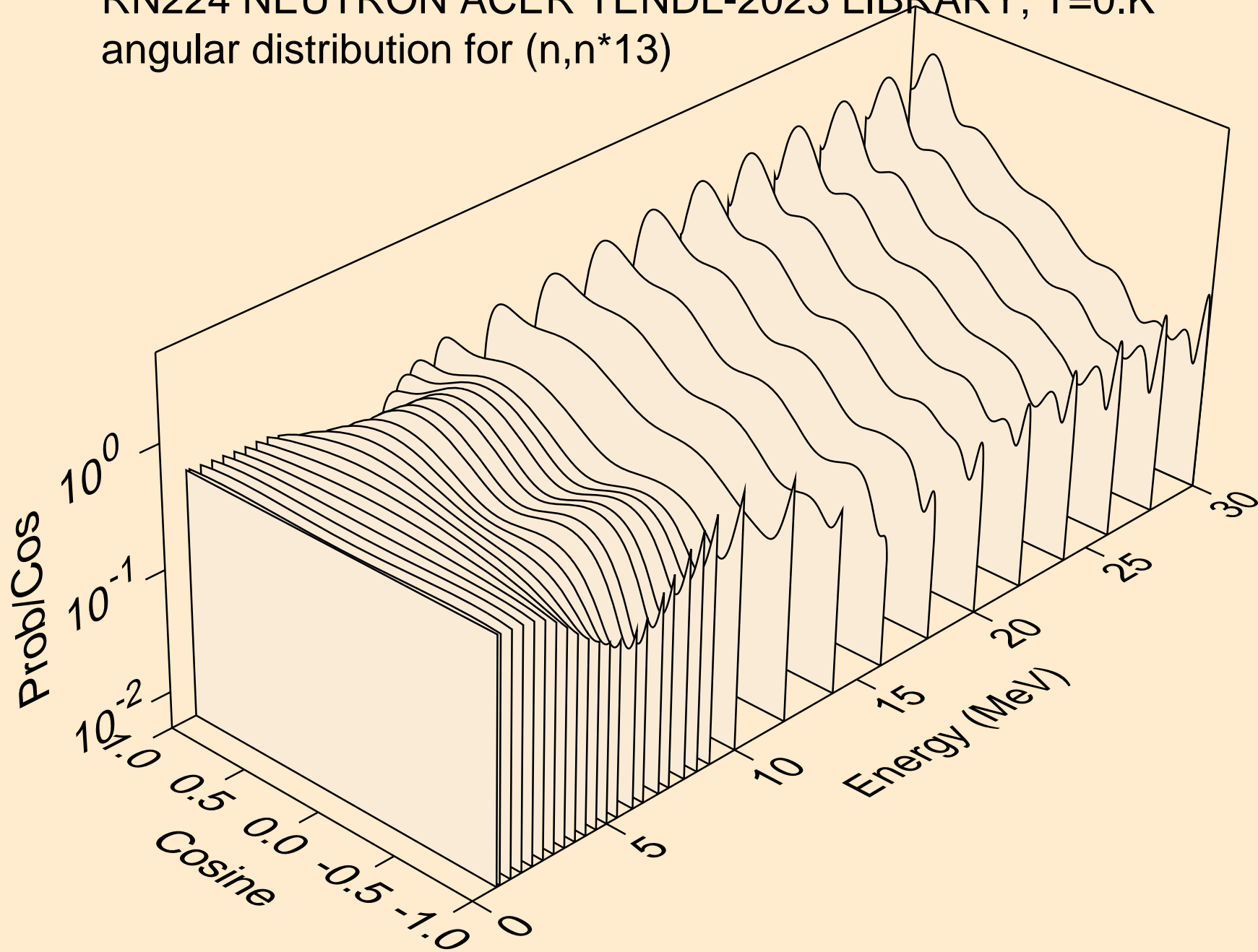
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angular distribution for (n,n\*11)



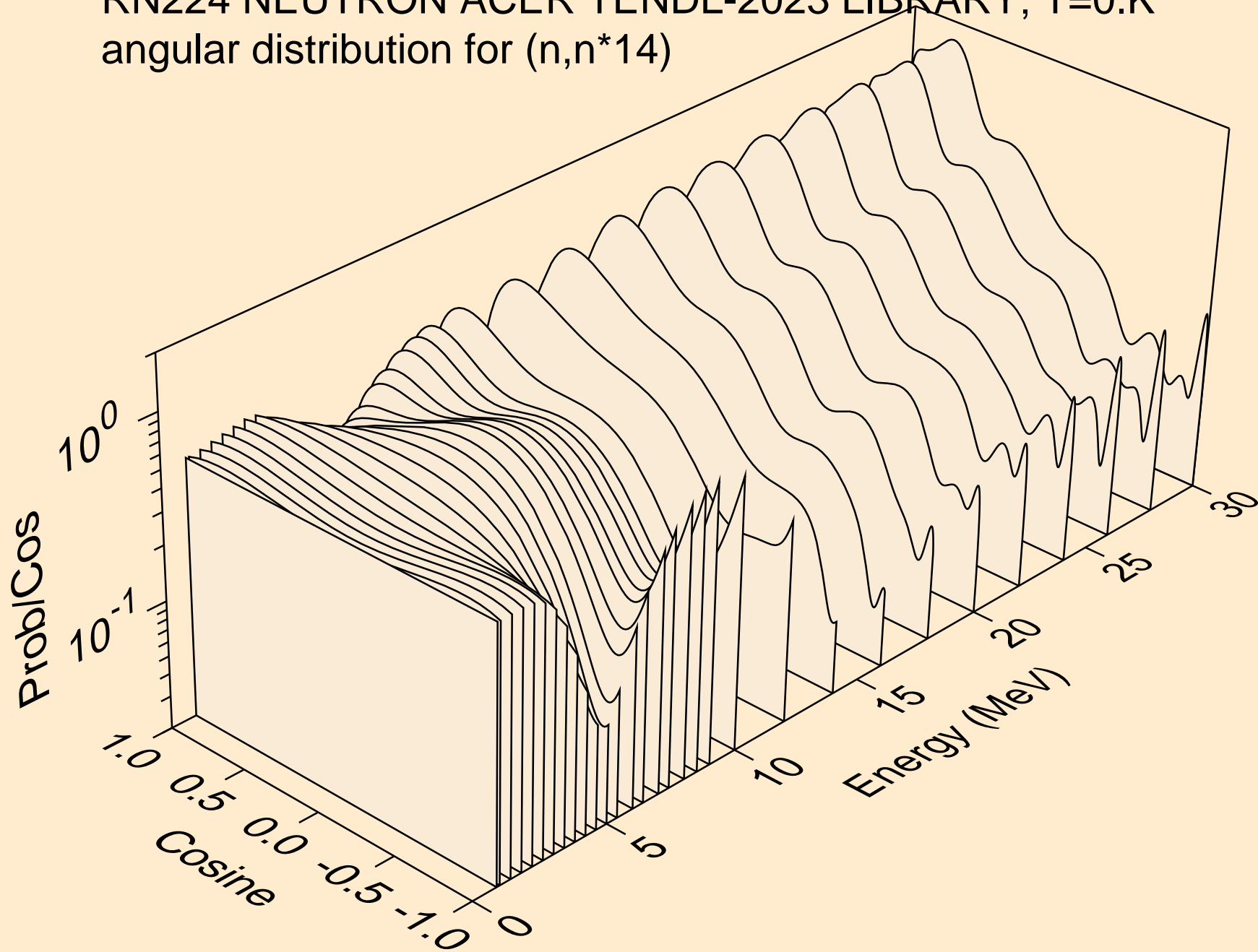
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angular distribution for (n,n\*12)



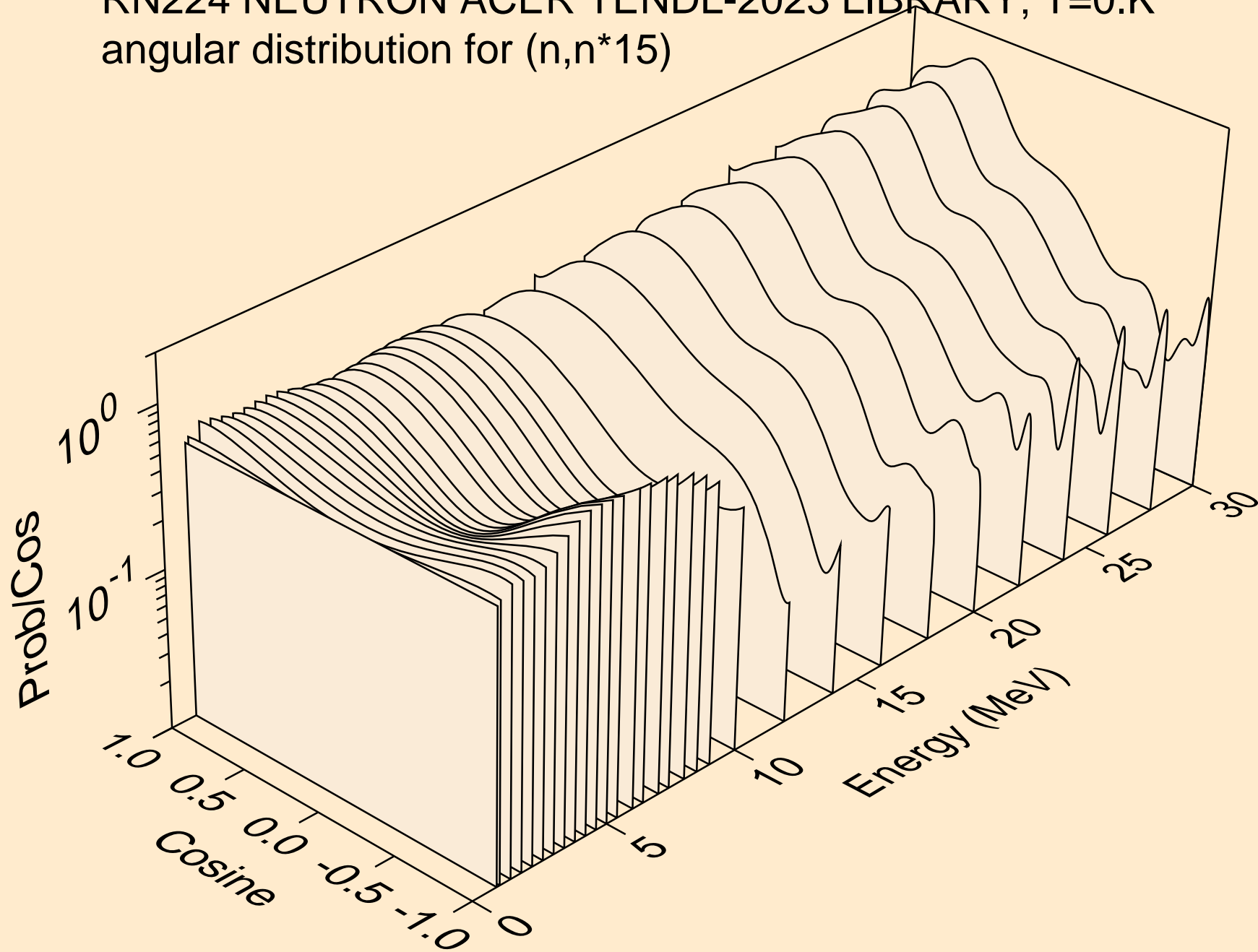
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angular distribution for (n,n\*13)



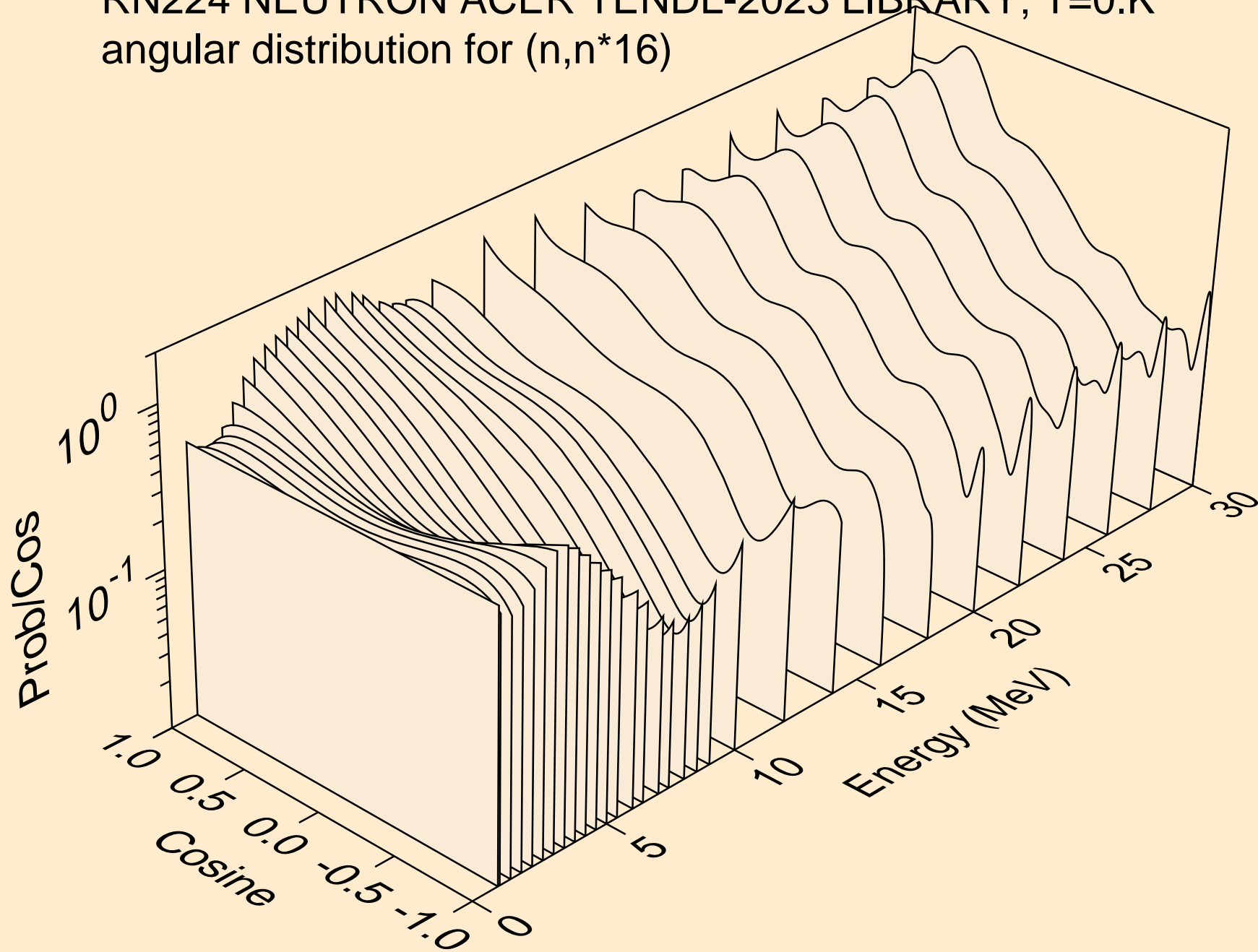
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angular distribution for (n,n\*14)



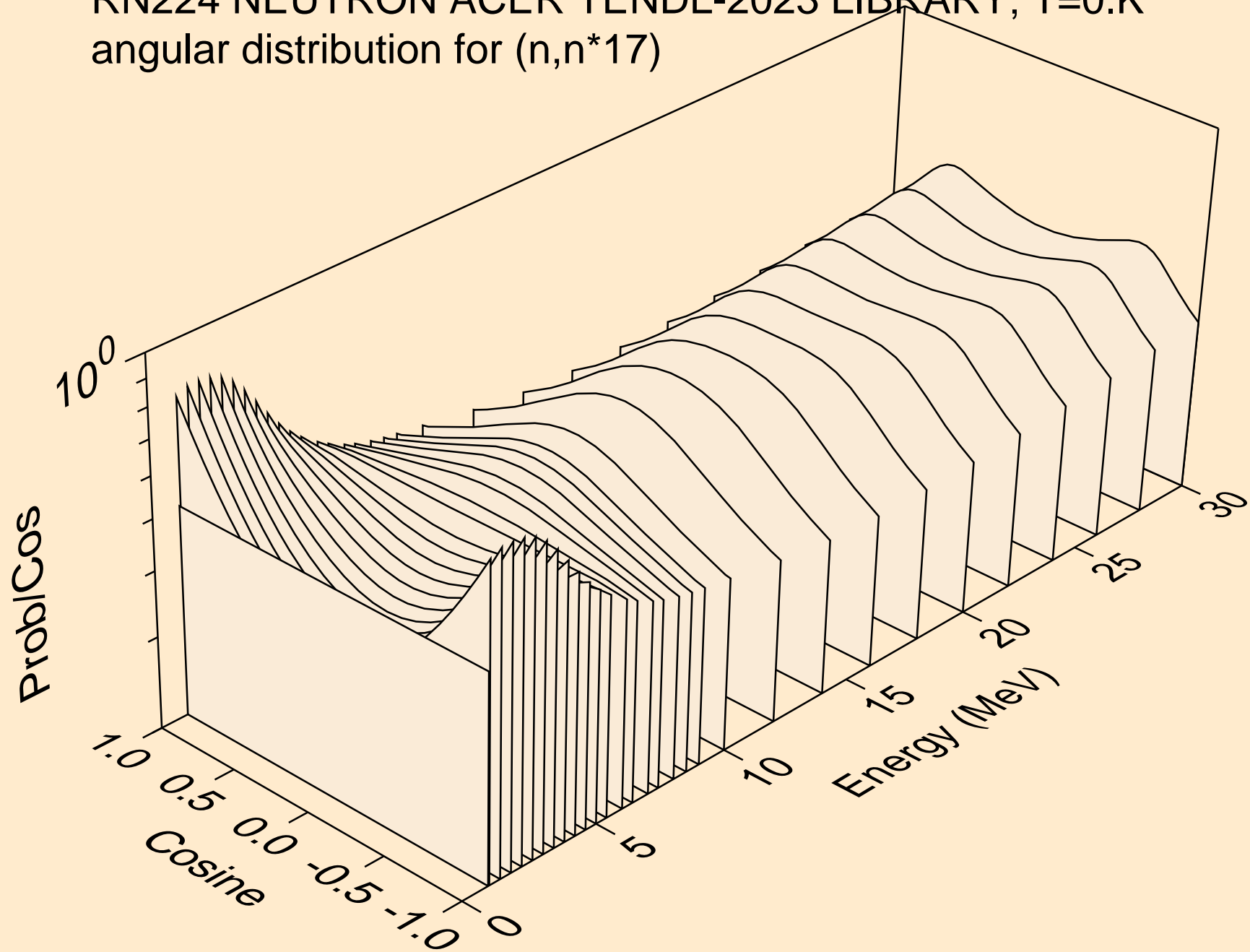
RN224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*15)



RN224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*16)

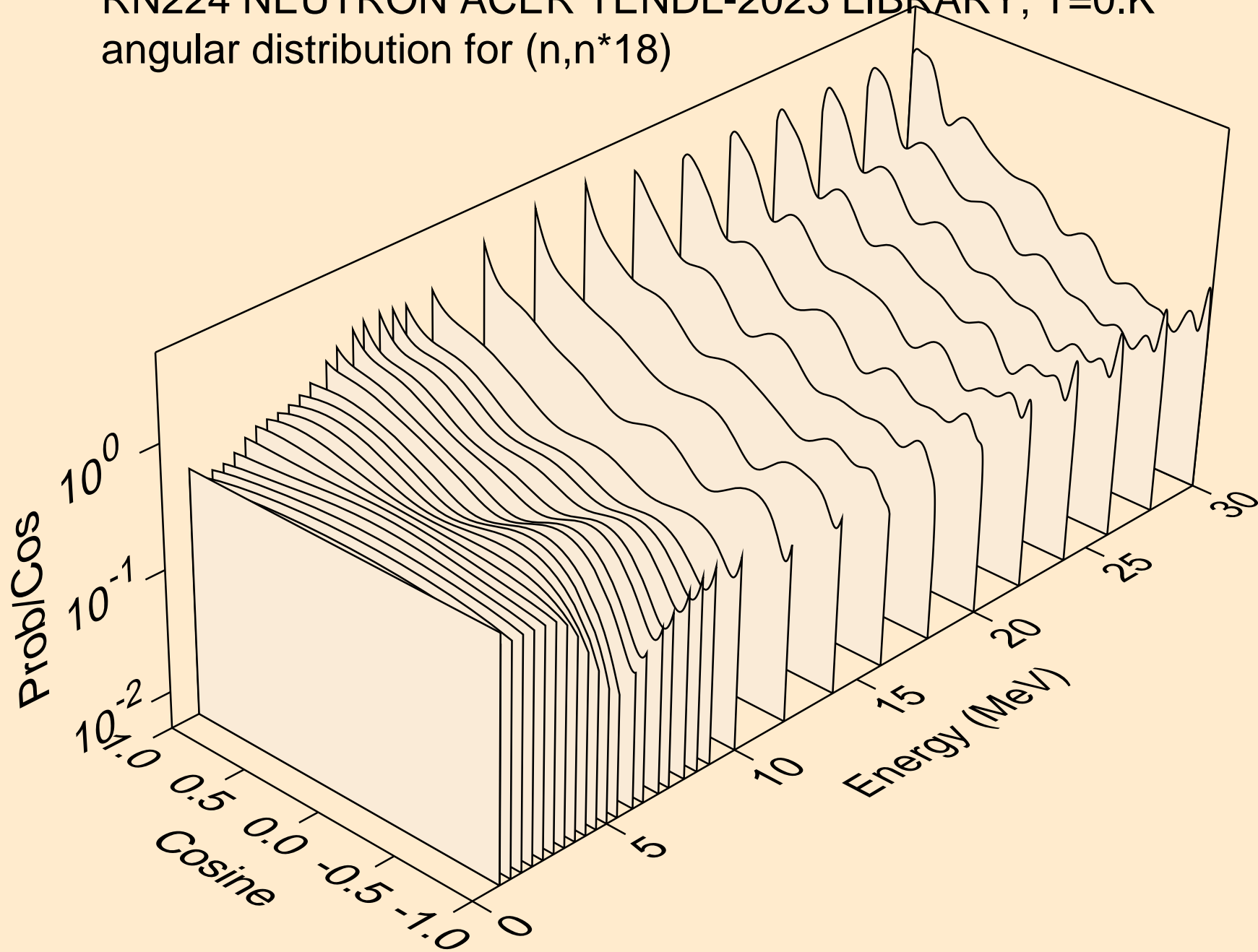


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angular distribution for (n,n\*17)

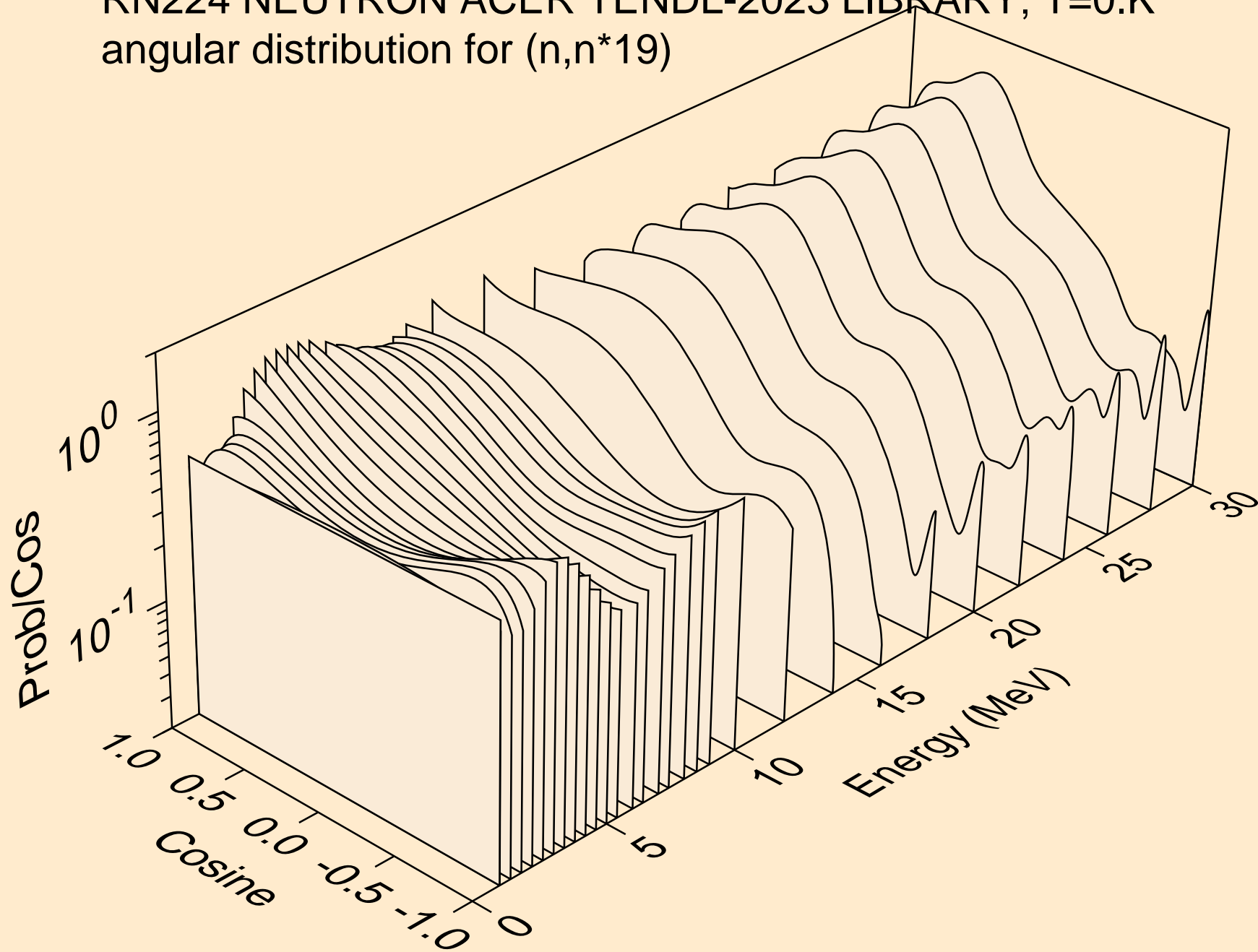




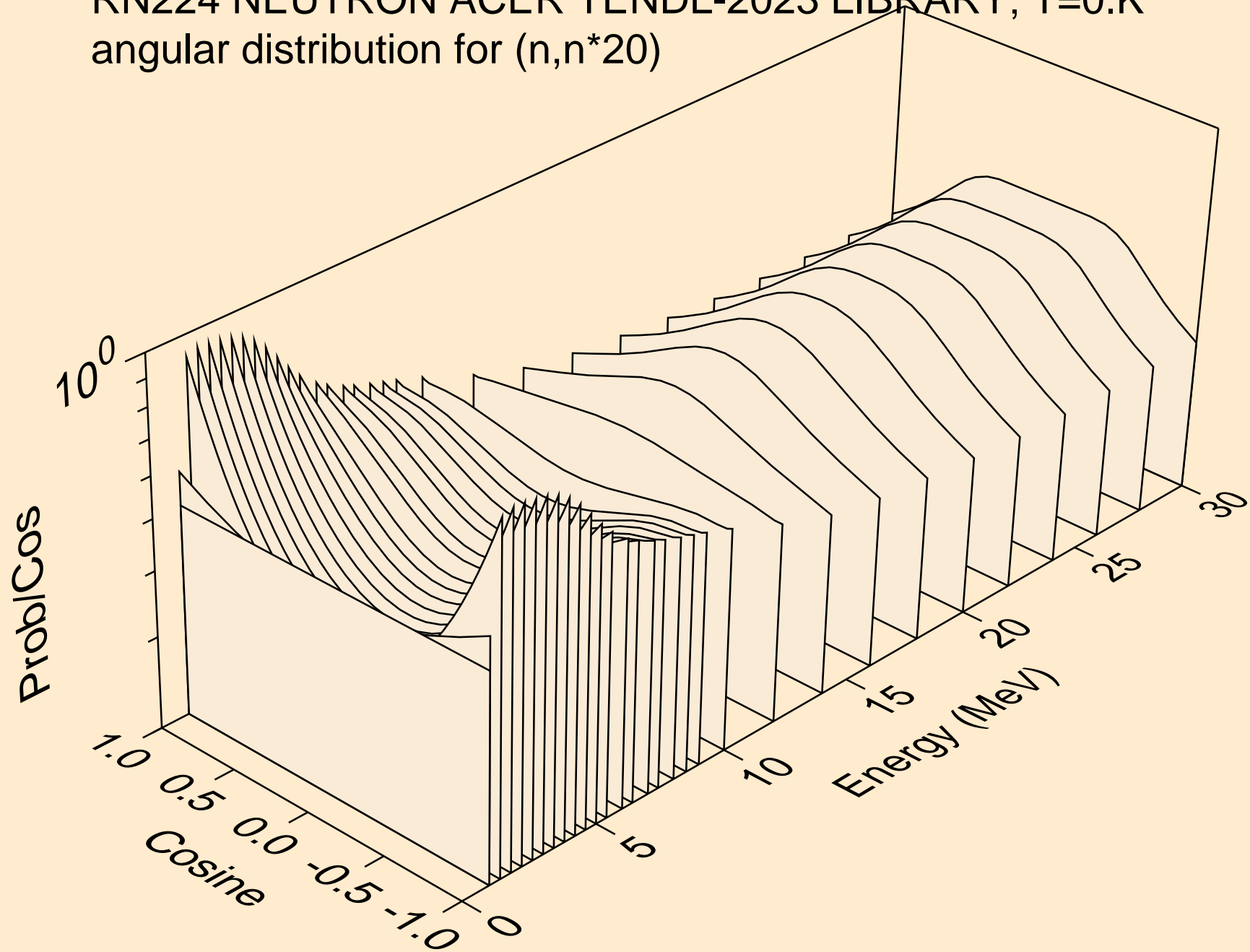
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angular distribution for (n,n\*18)



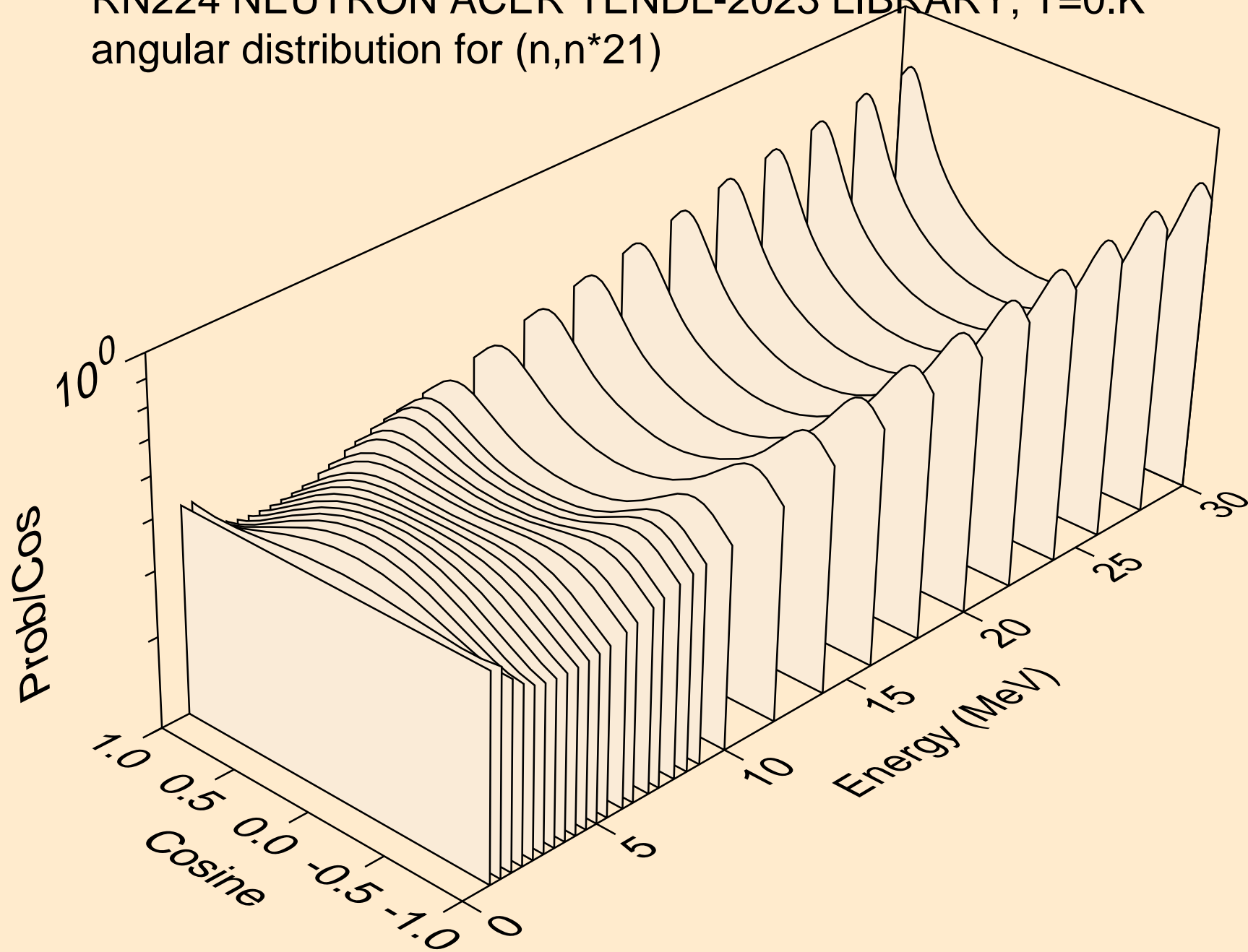
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angular distribution for (n,n\*19)



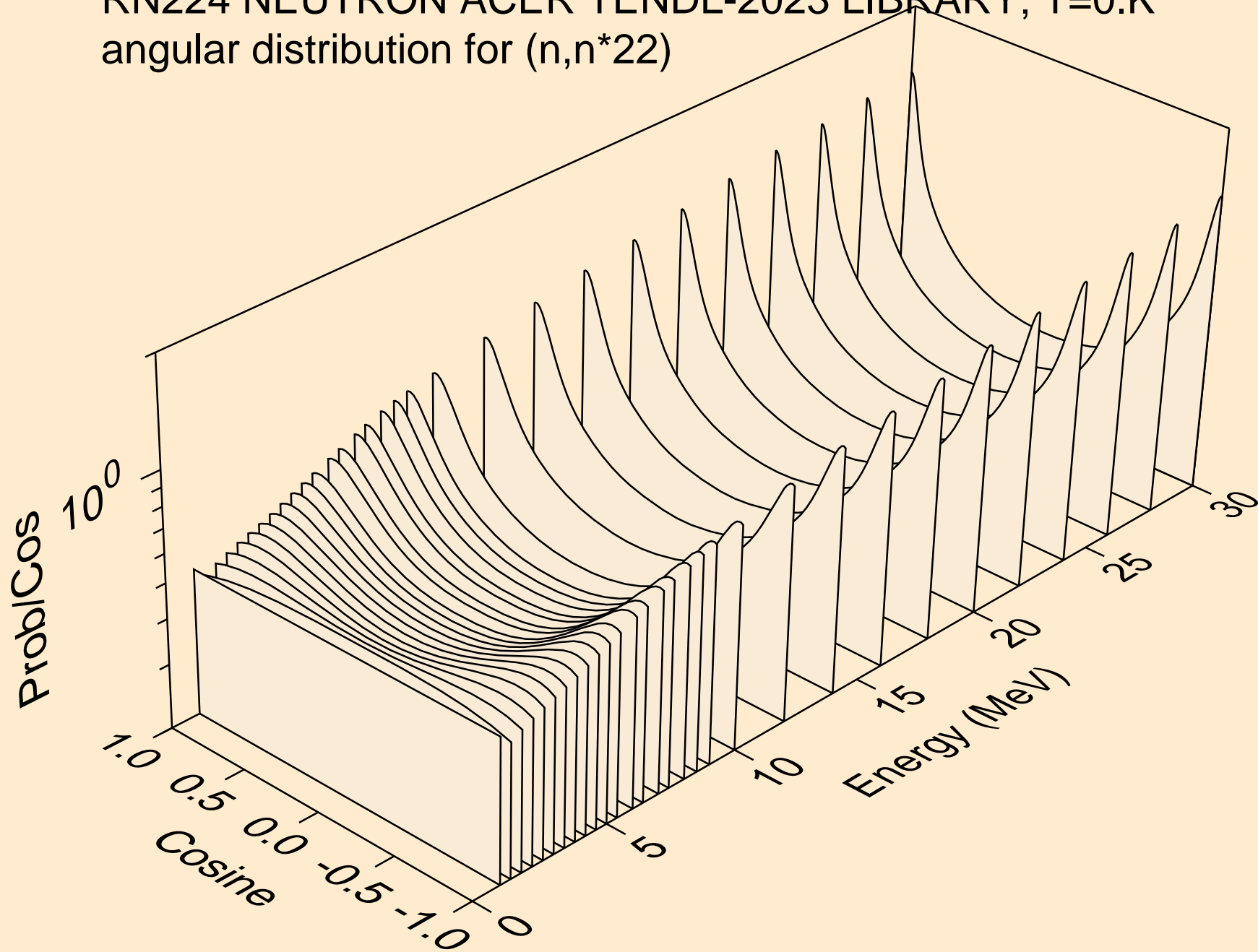
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angular distribution for (n,n\*20)



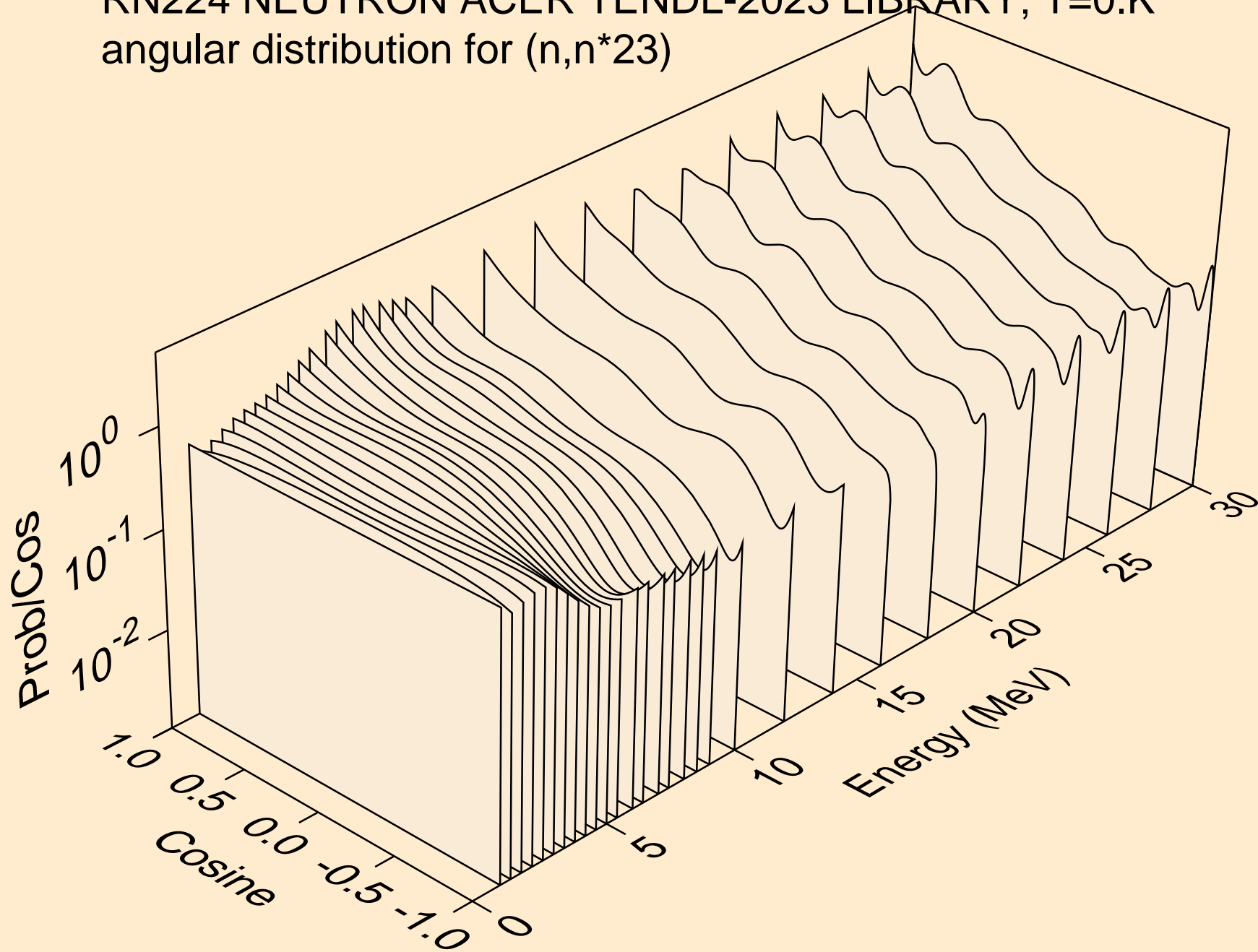
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angular distribution for (n,n\*21)



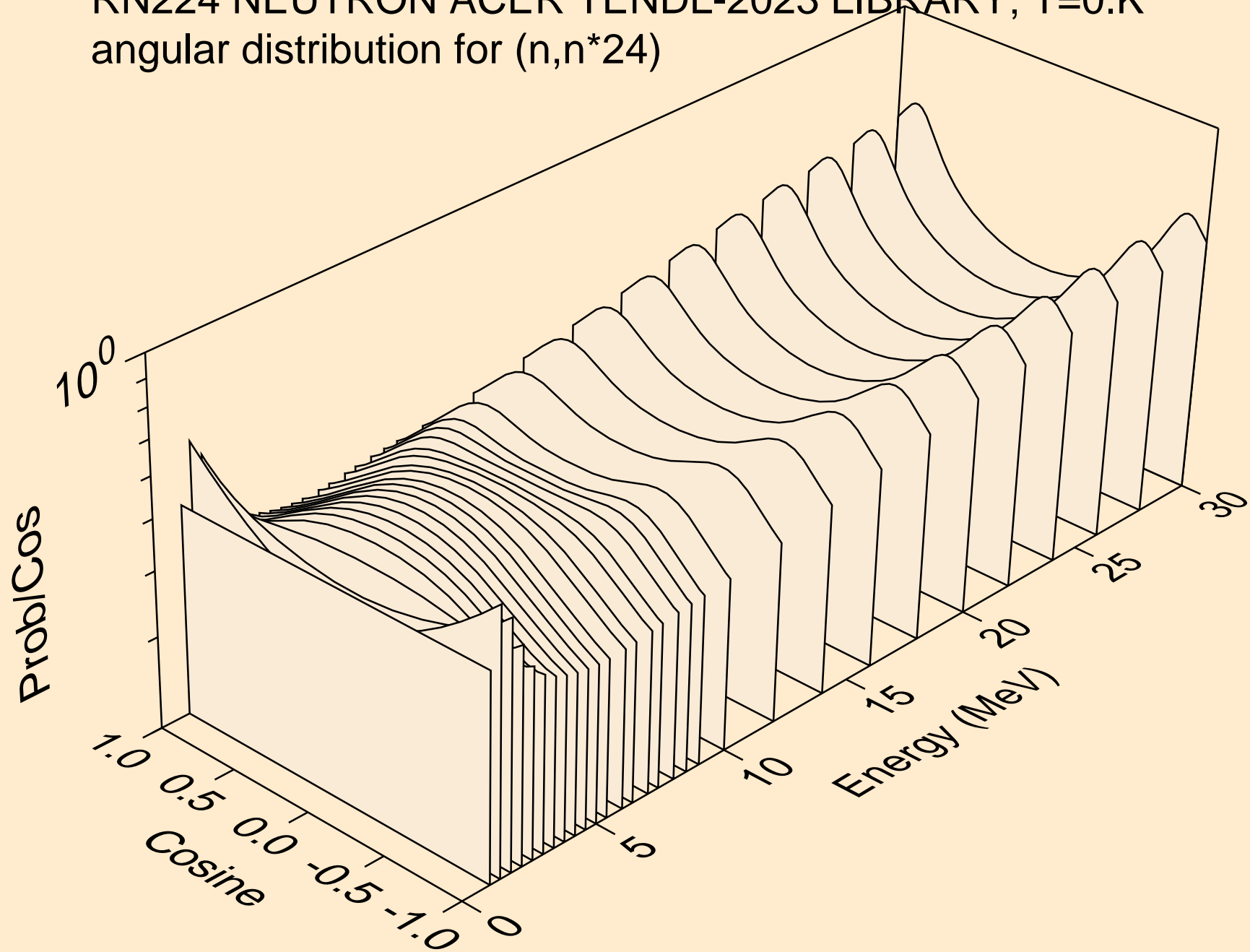
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angular distribution for (n,n\*22)



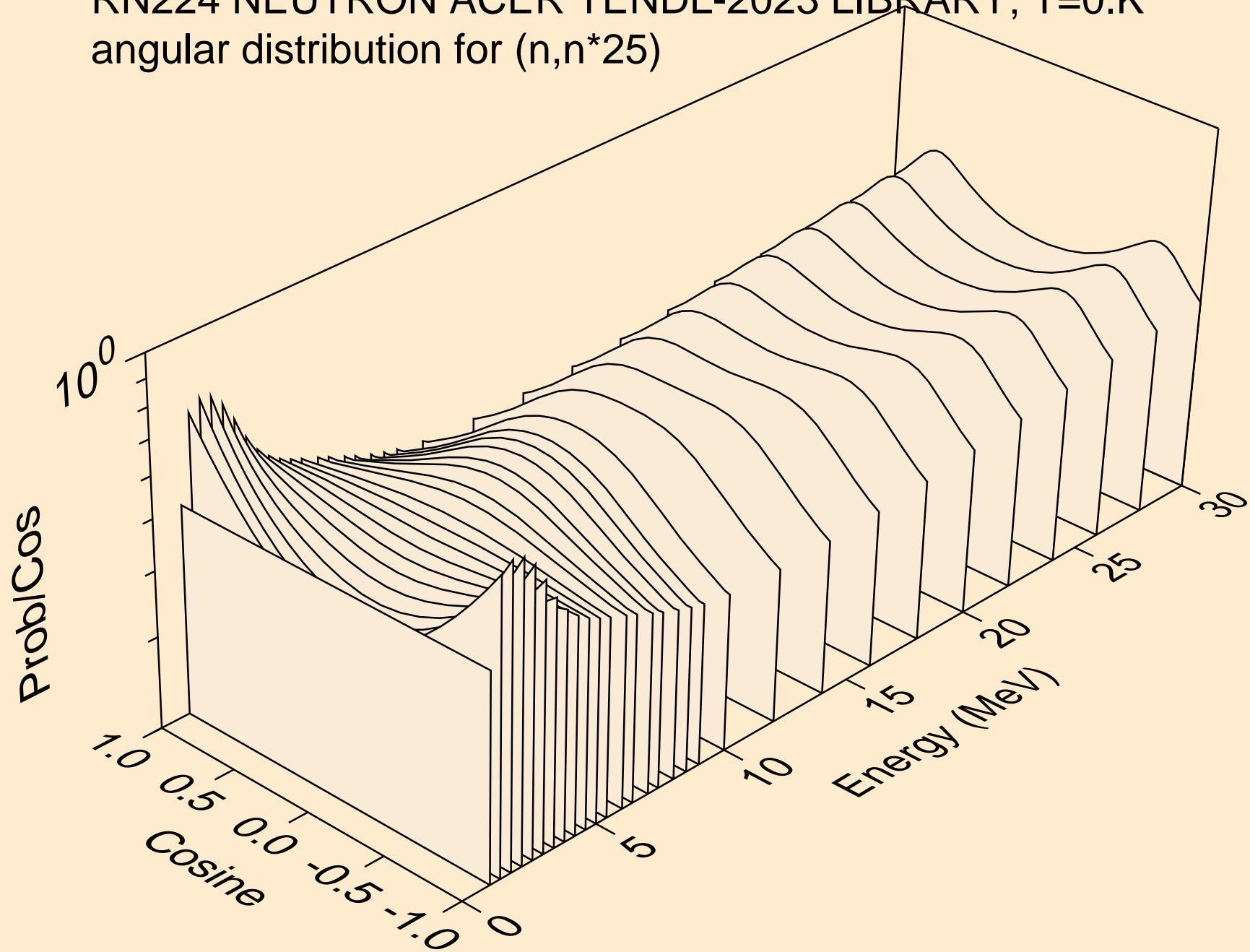
RN224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*23)



RN224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*24)

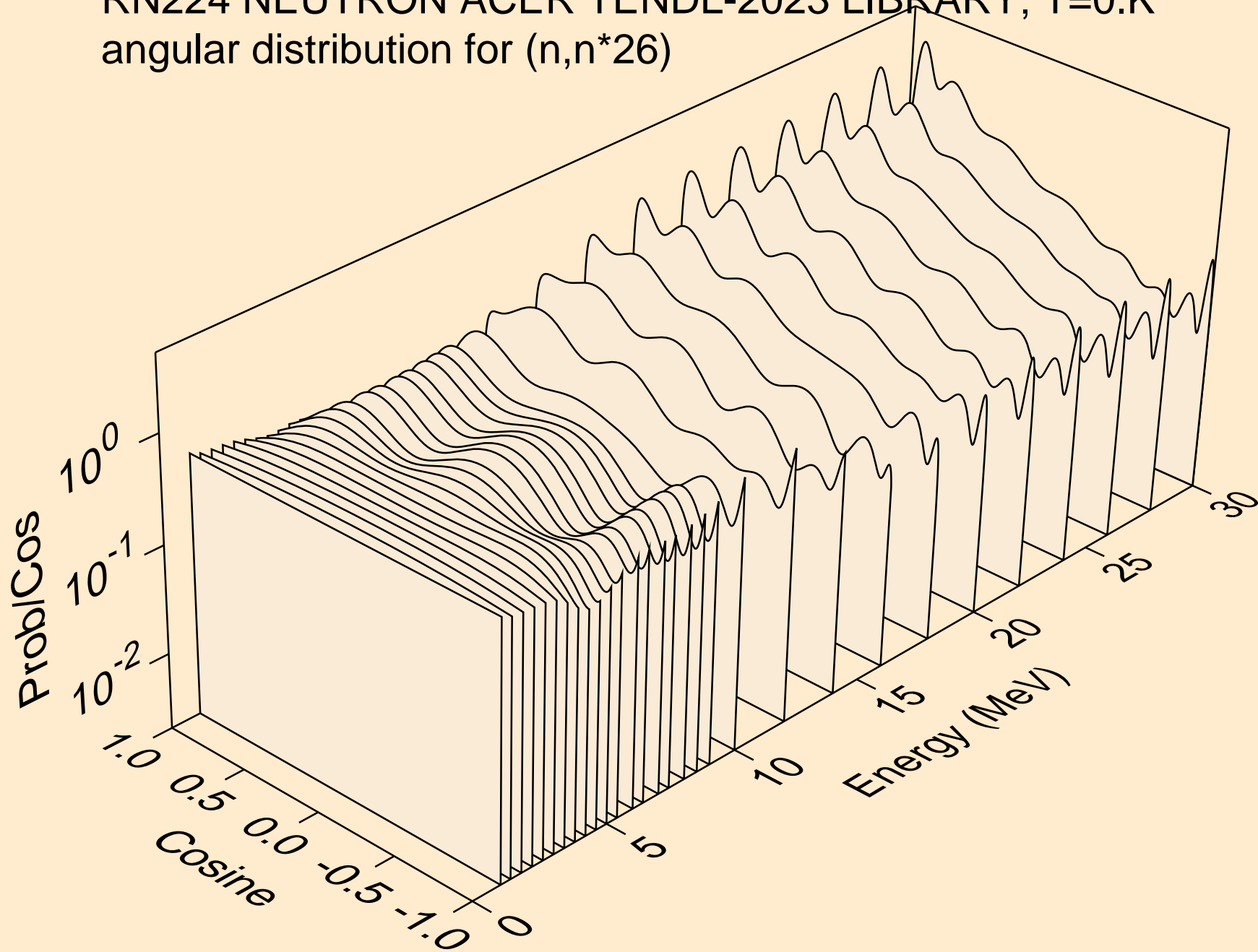


RN224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*25)

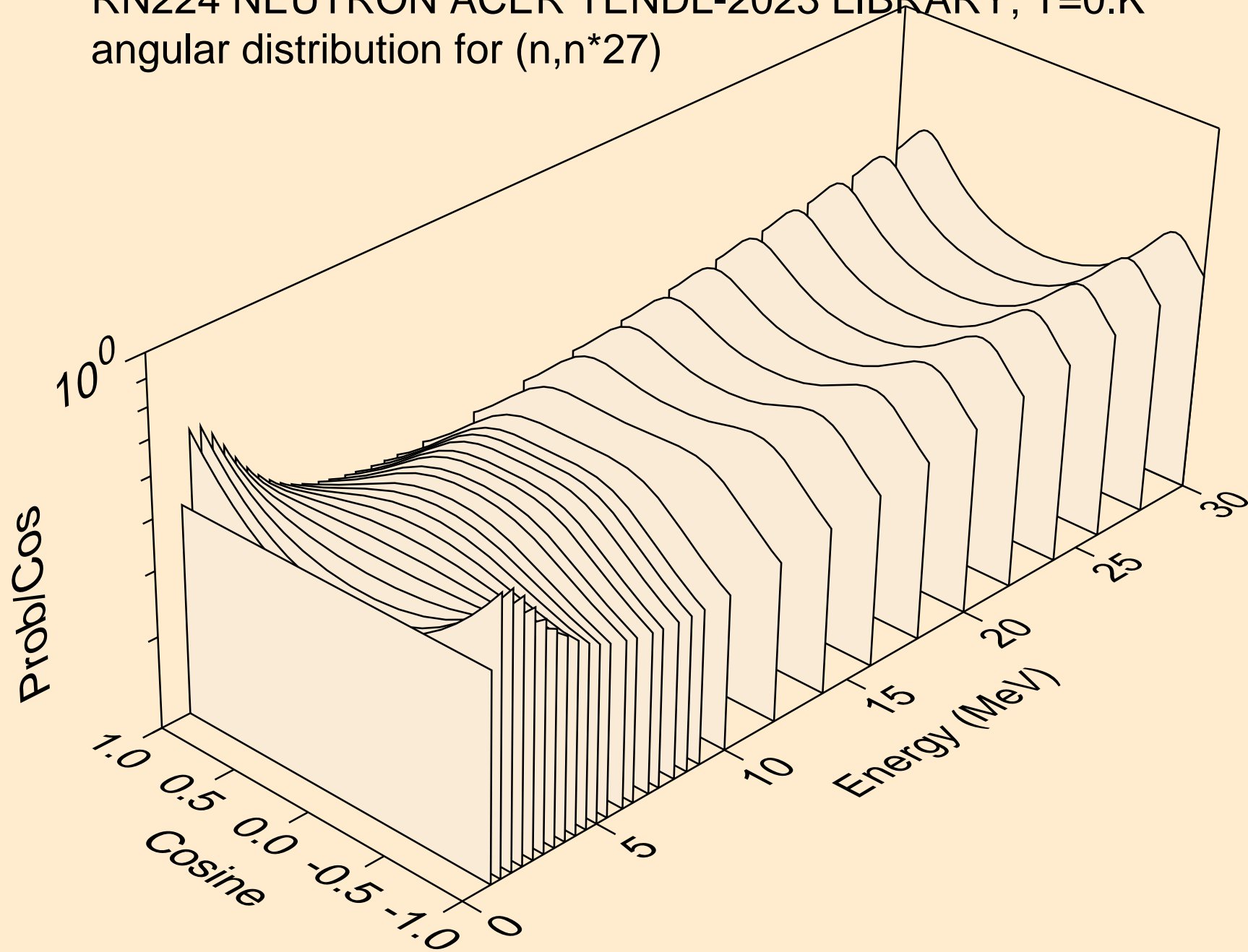




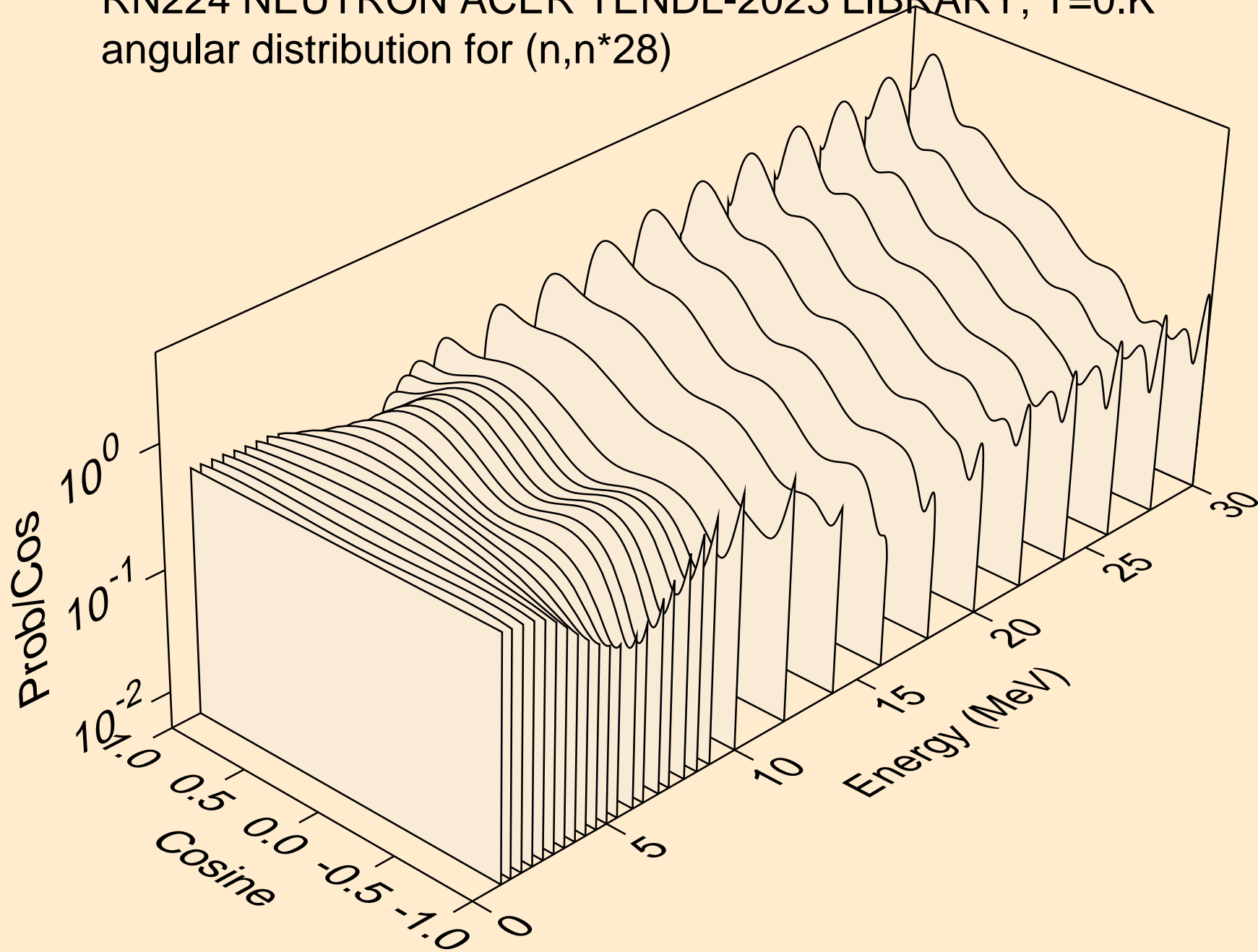
RN224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*26)



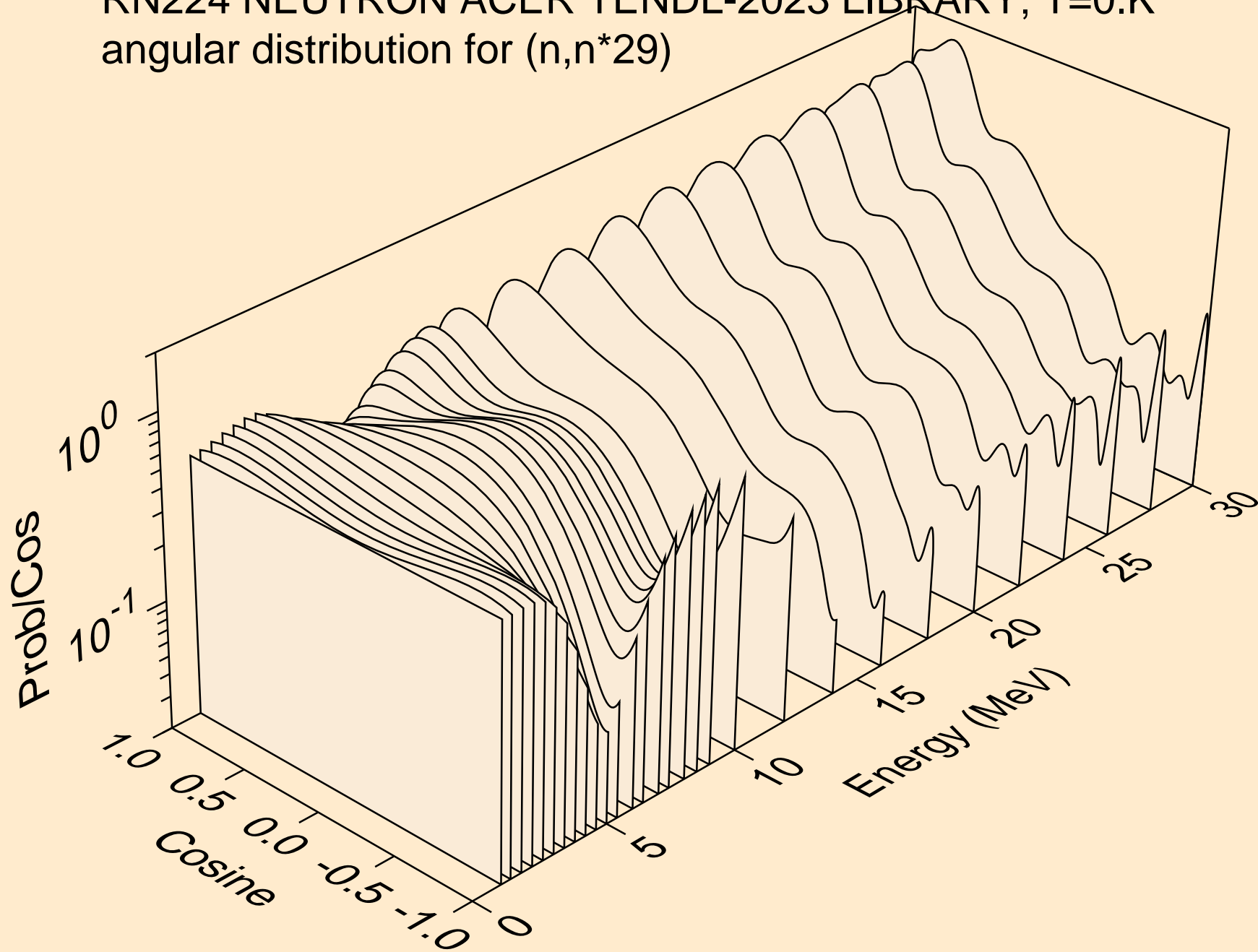
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angular distribution for (n,n\*27)



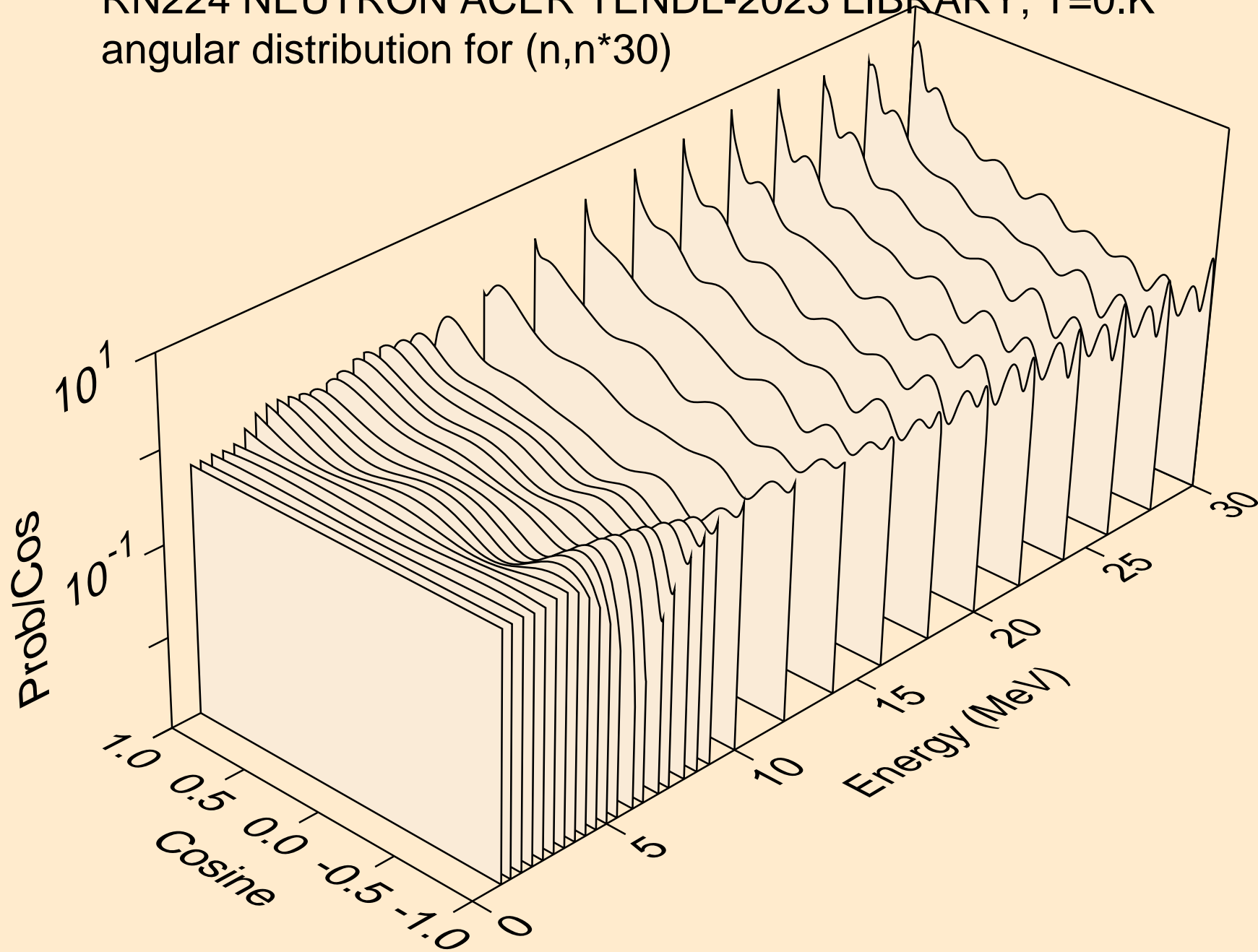
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angular distribution for (n,n\*28)



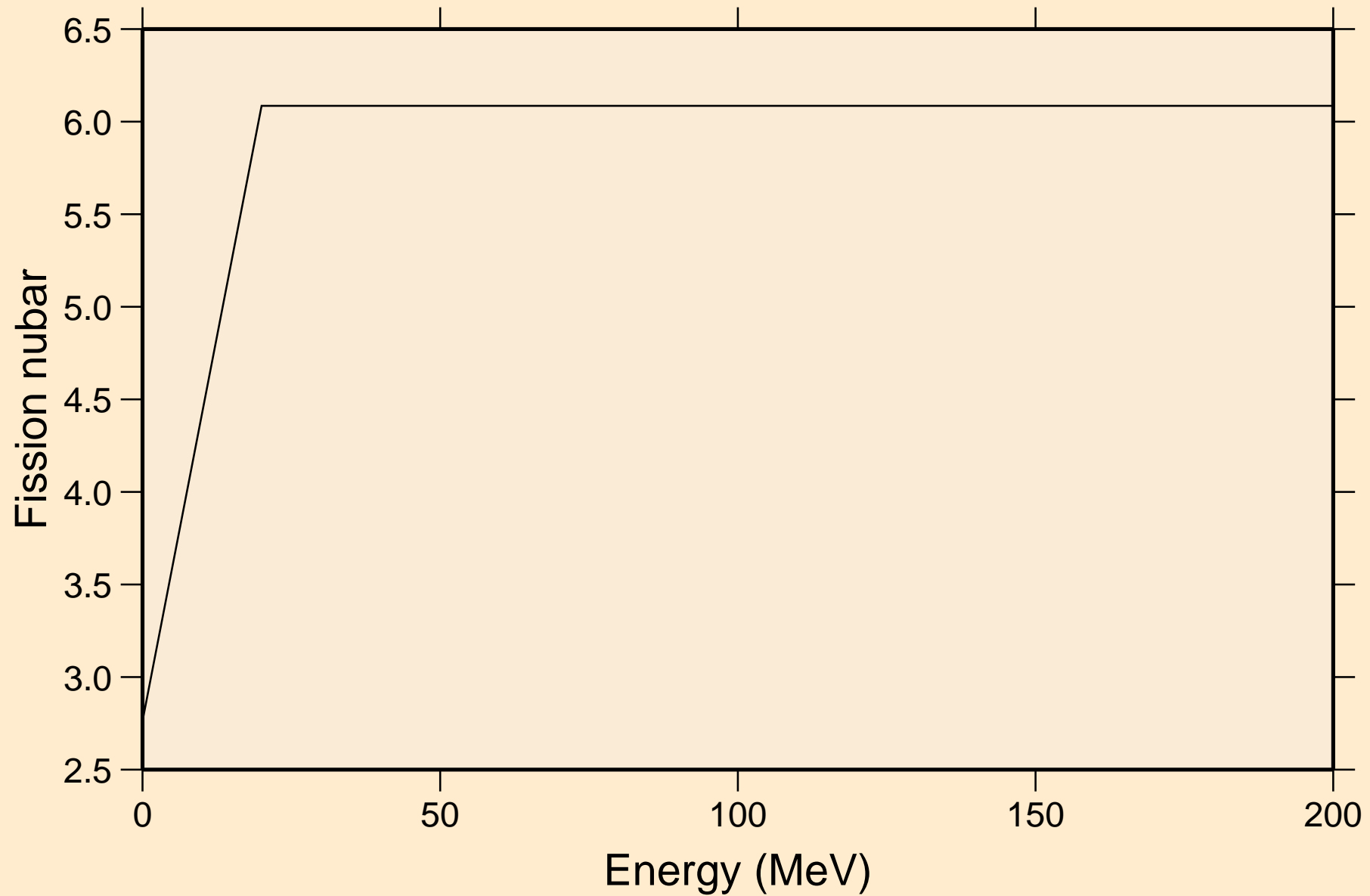
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angular distribution for (n,n\*29)



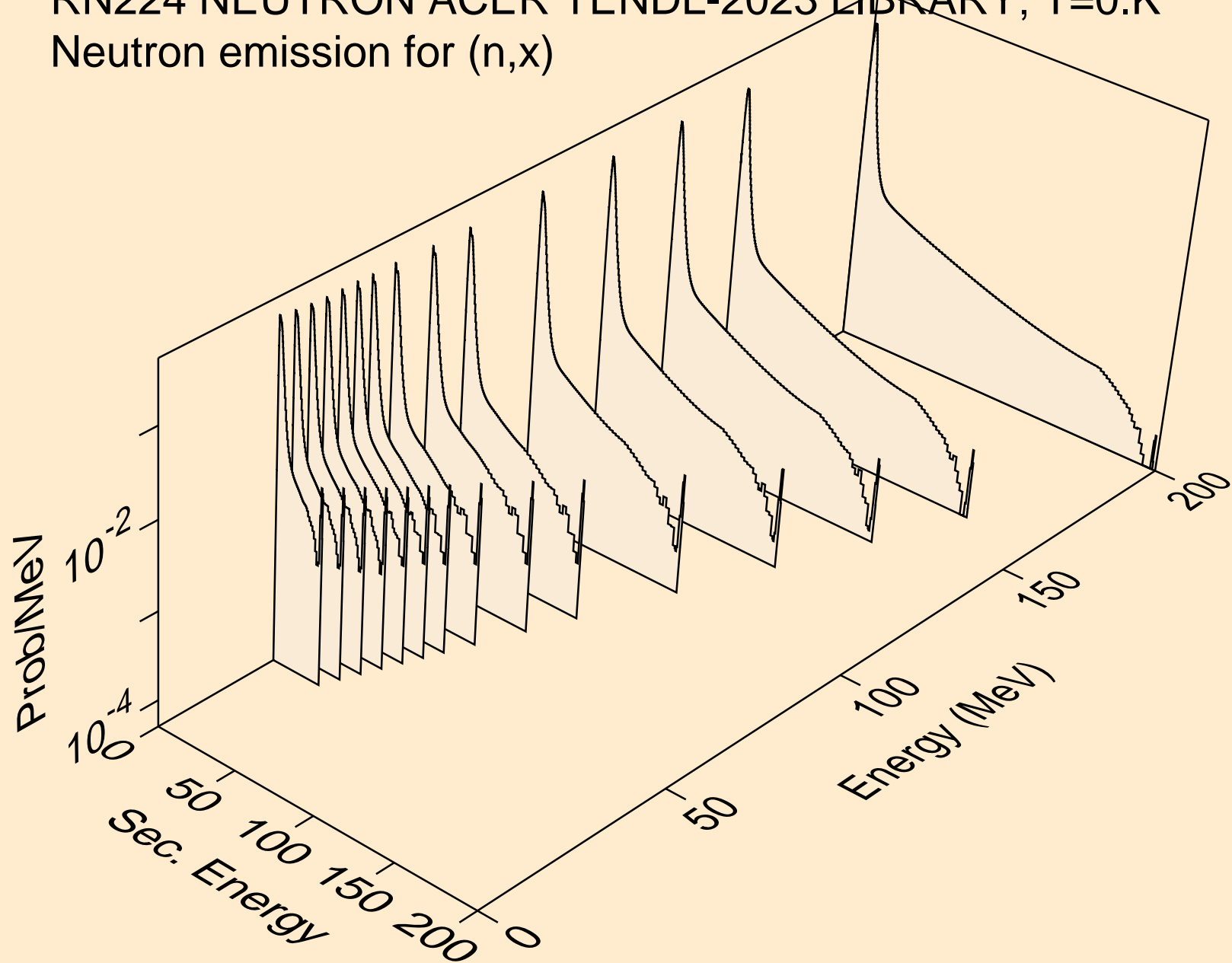
RN224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*30)



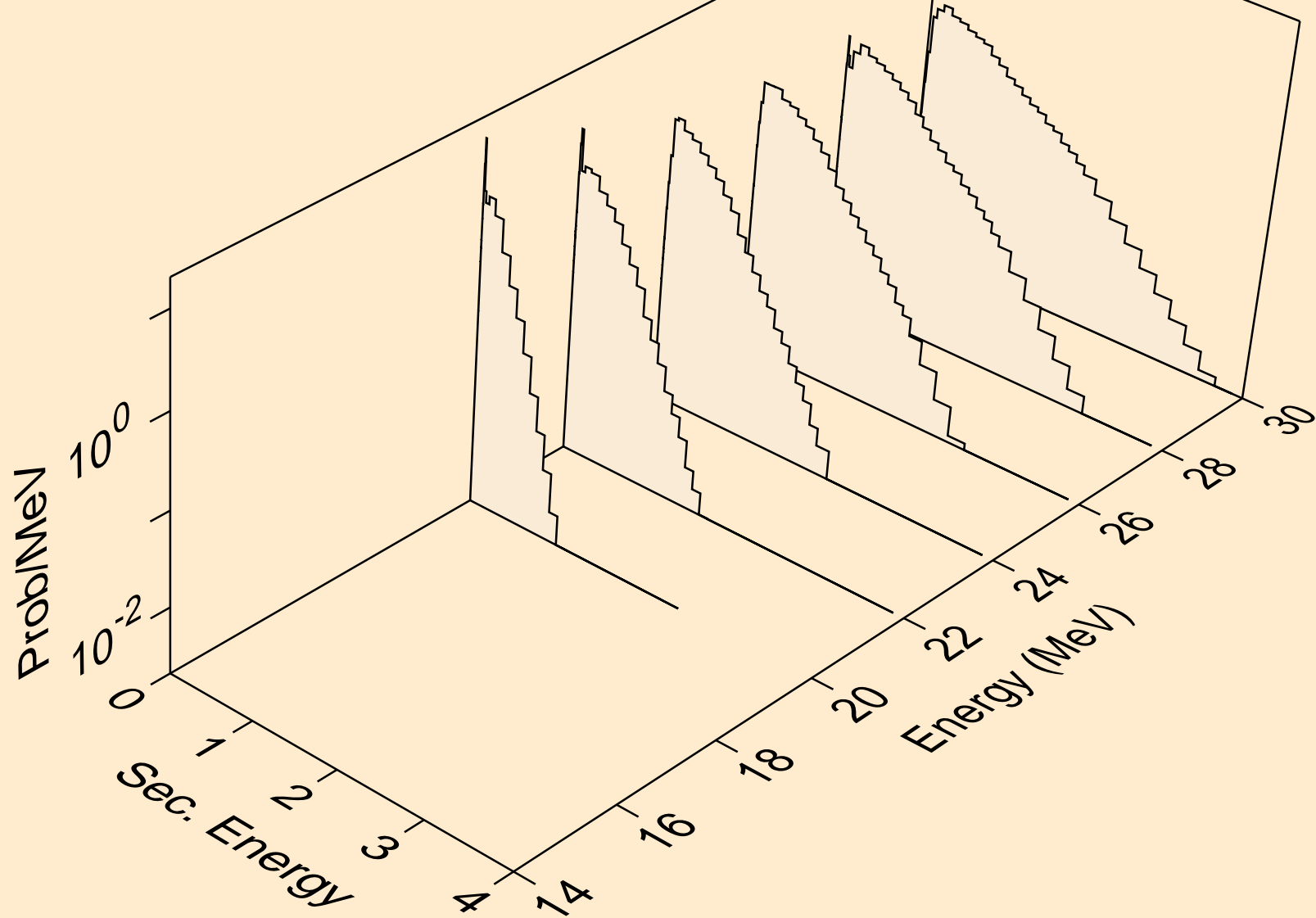
RN224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Total fission nubar



RN224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,x)

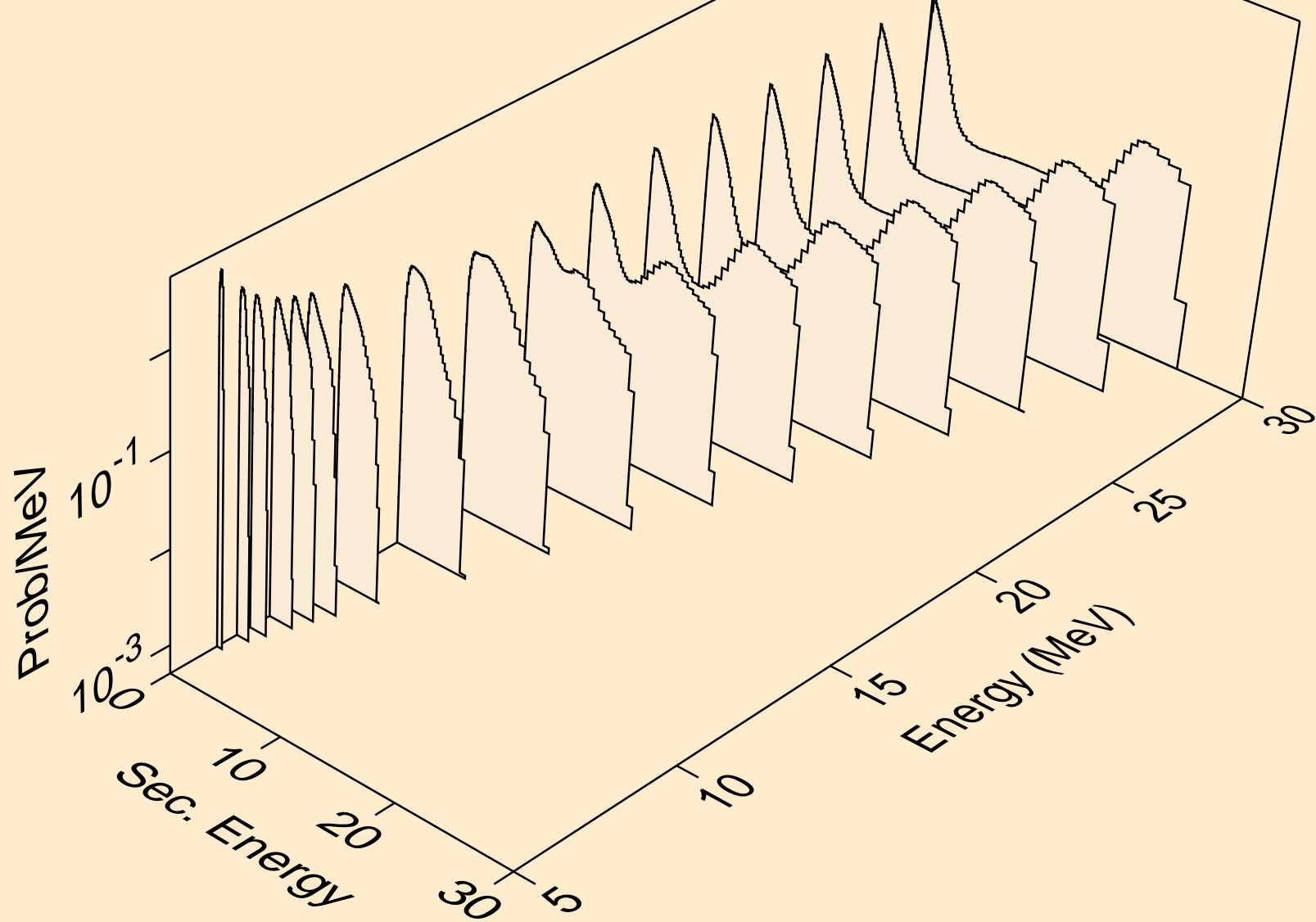


RN224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2nd)

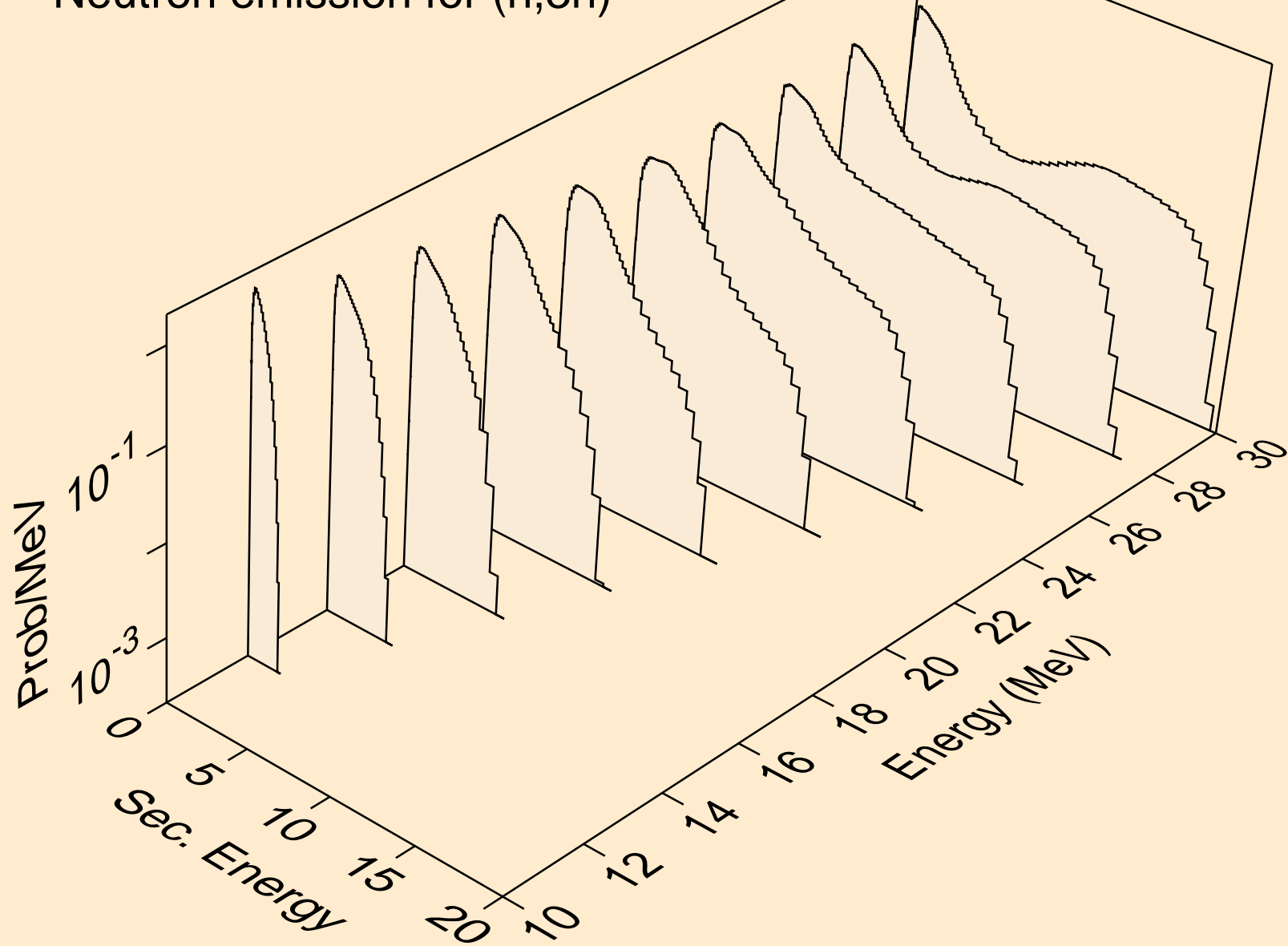




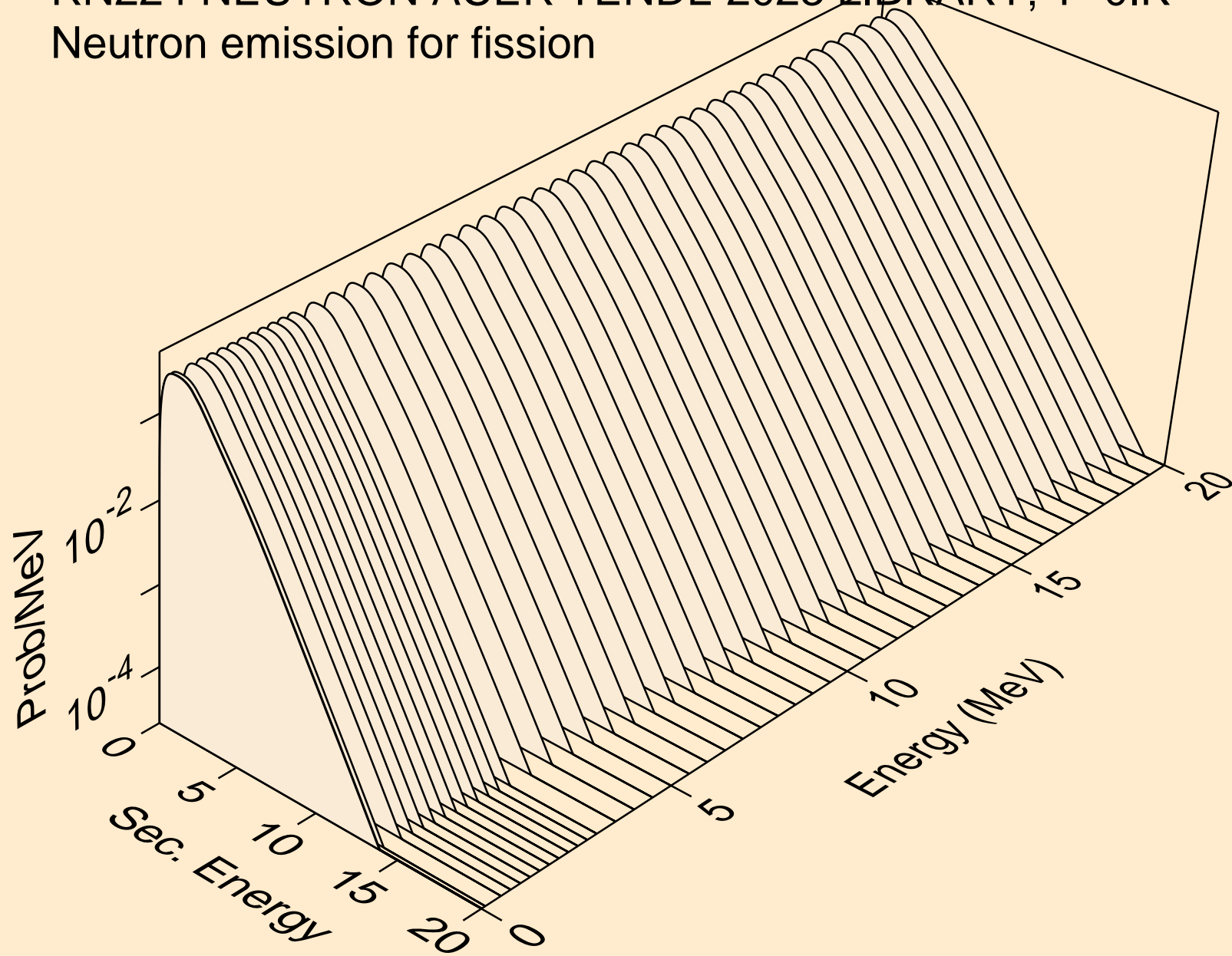
RN224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)



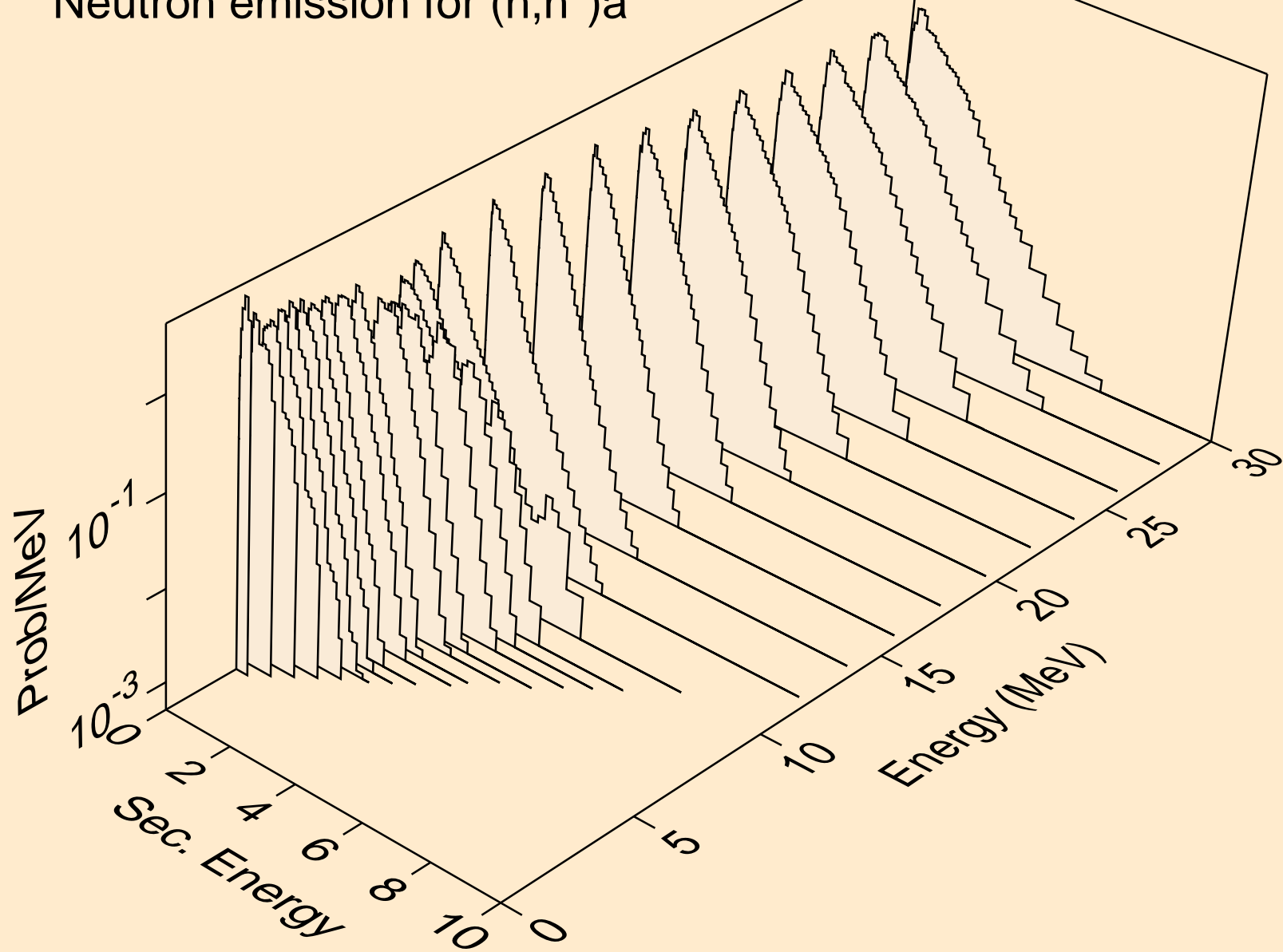
RN224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)



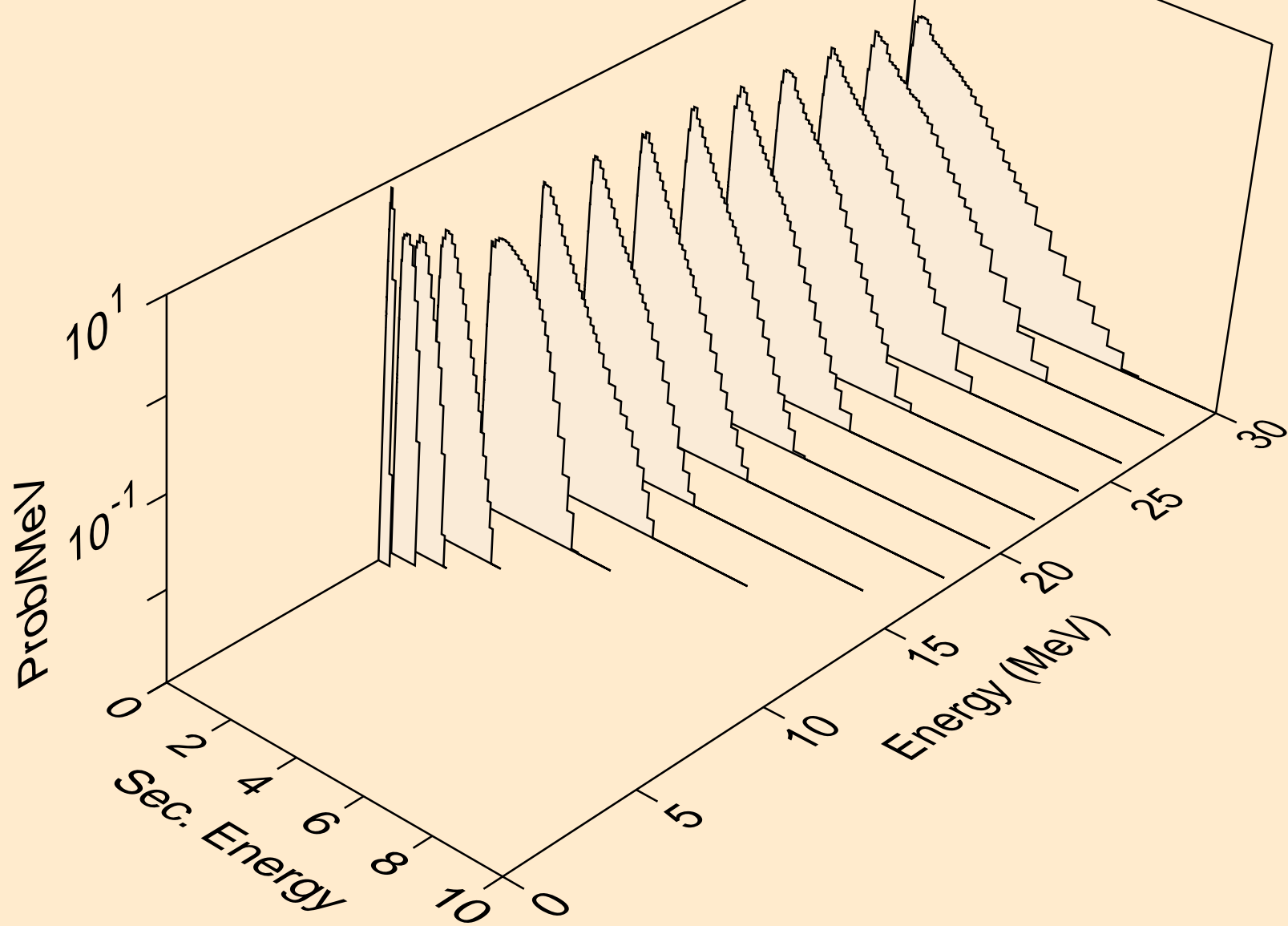
RN224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for fission



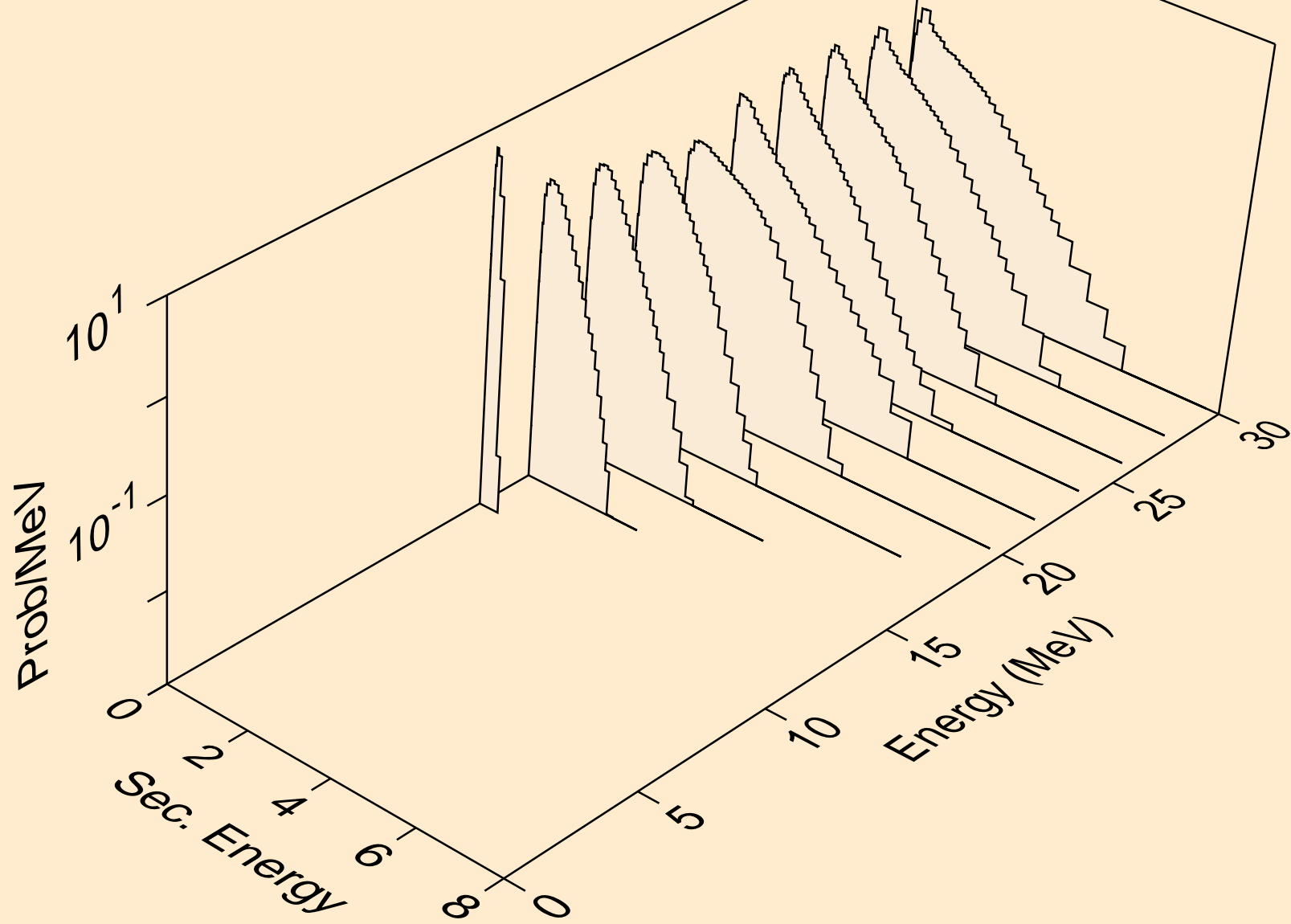
RN224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



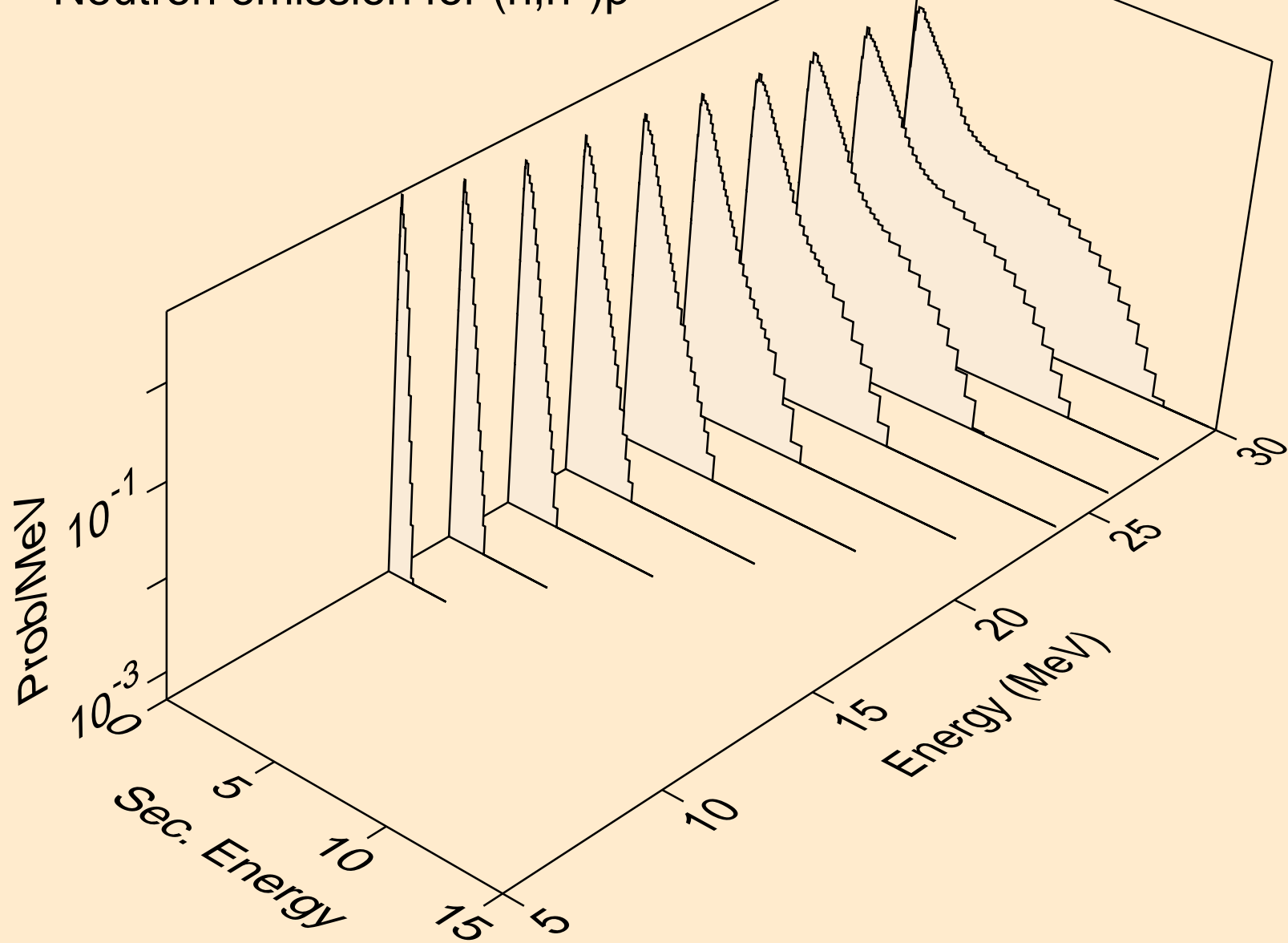
RN224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)a



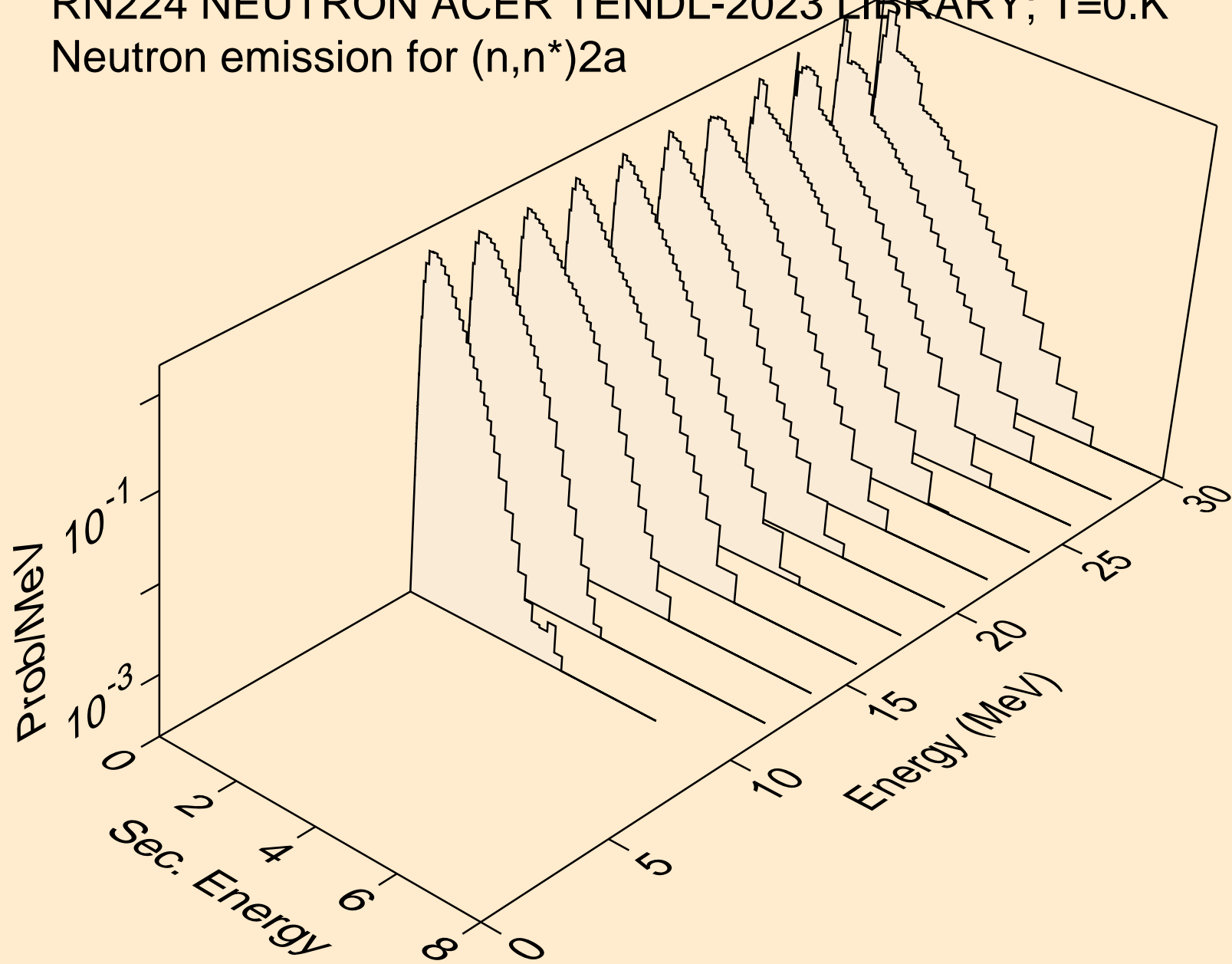
RN224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)a



RN224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p

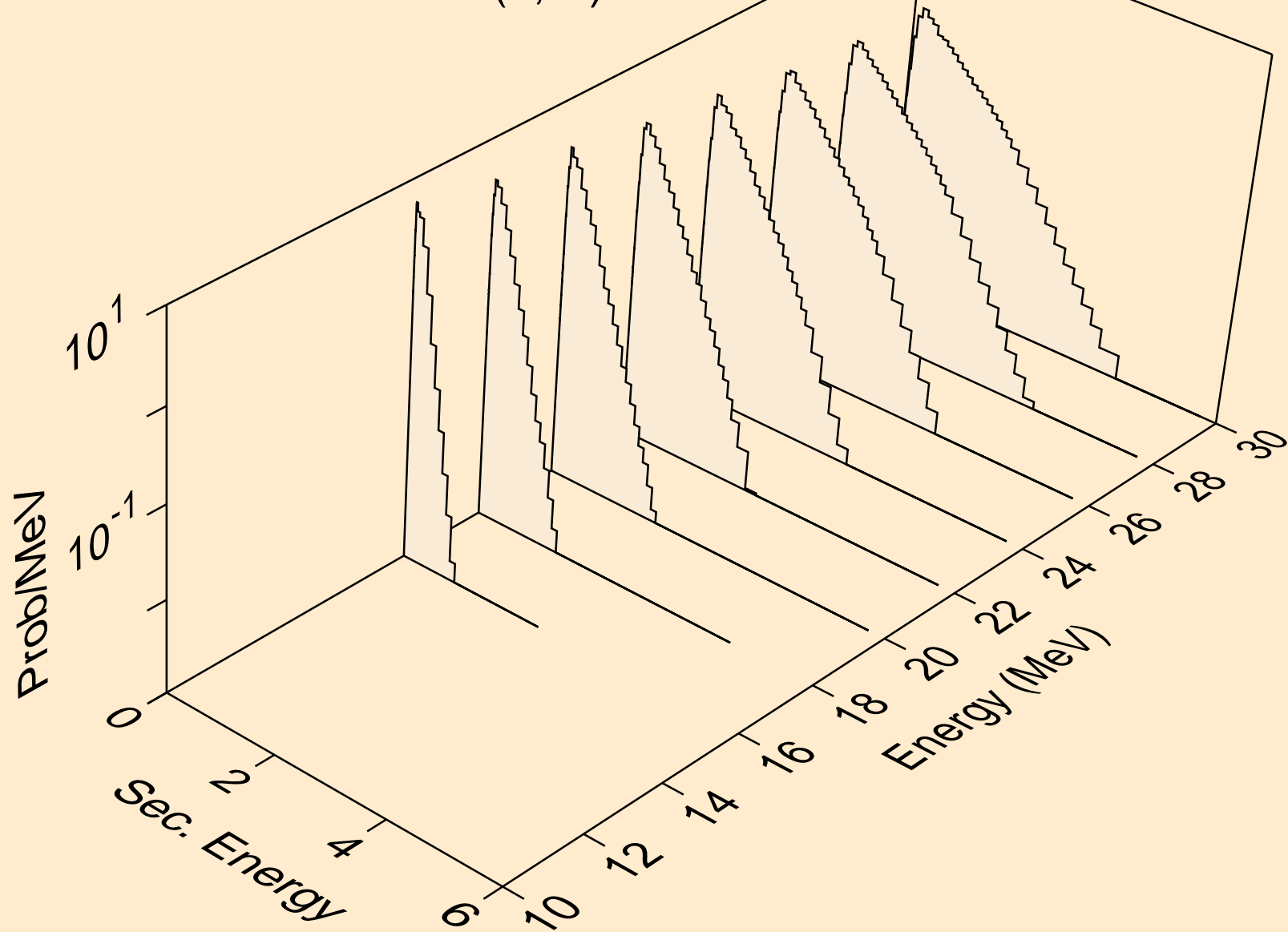


RN224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)2a

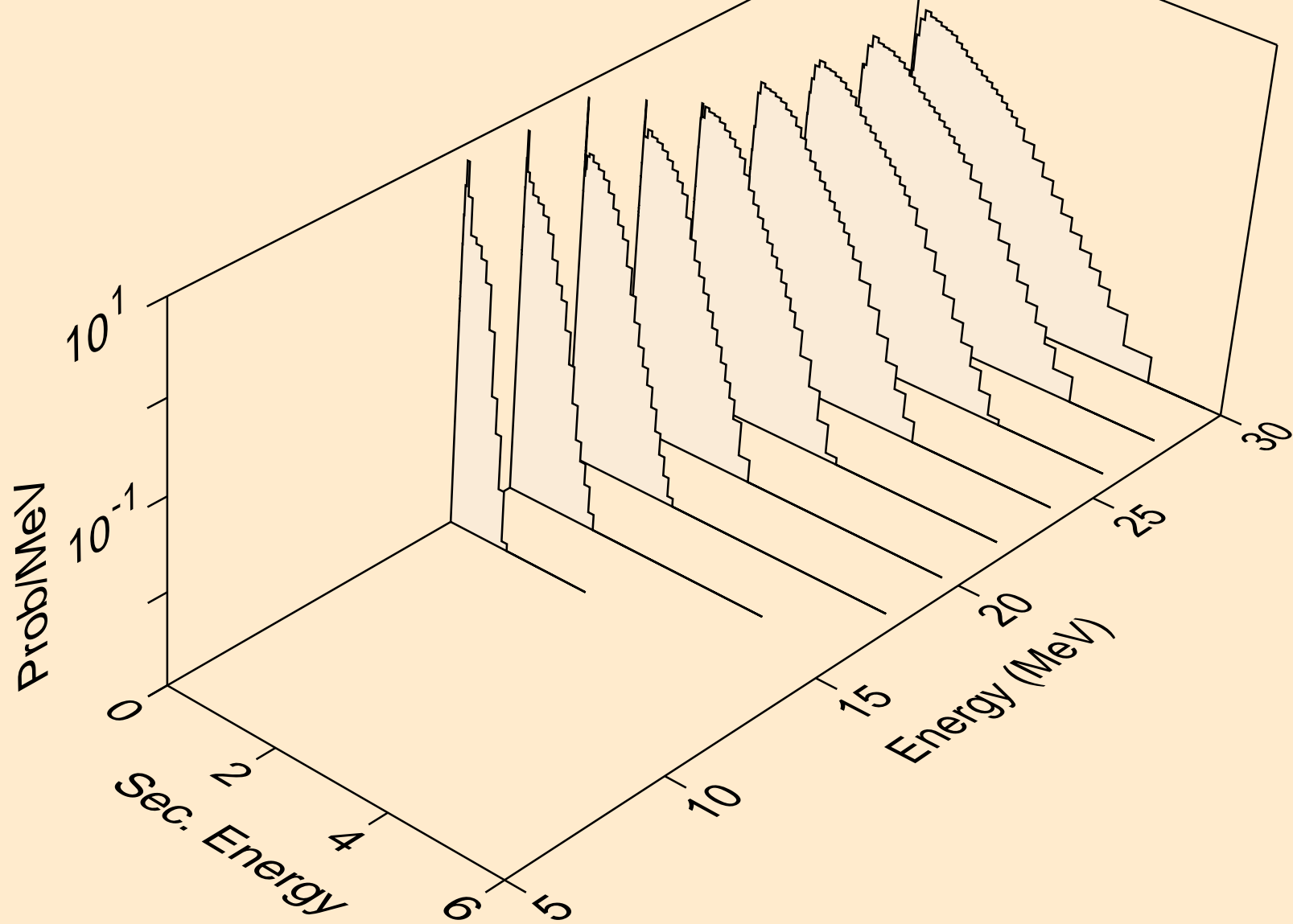




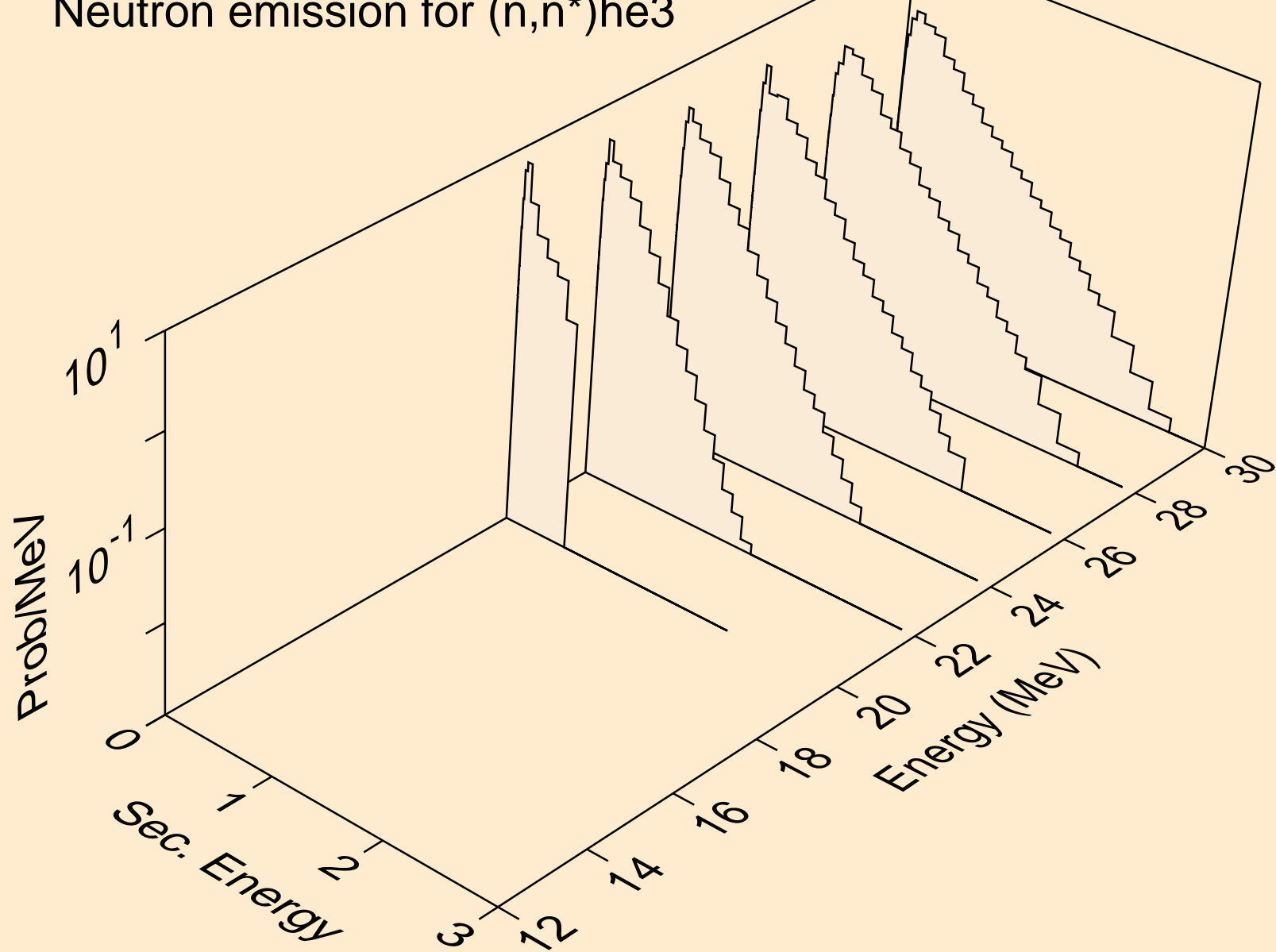
RN224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d



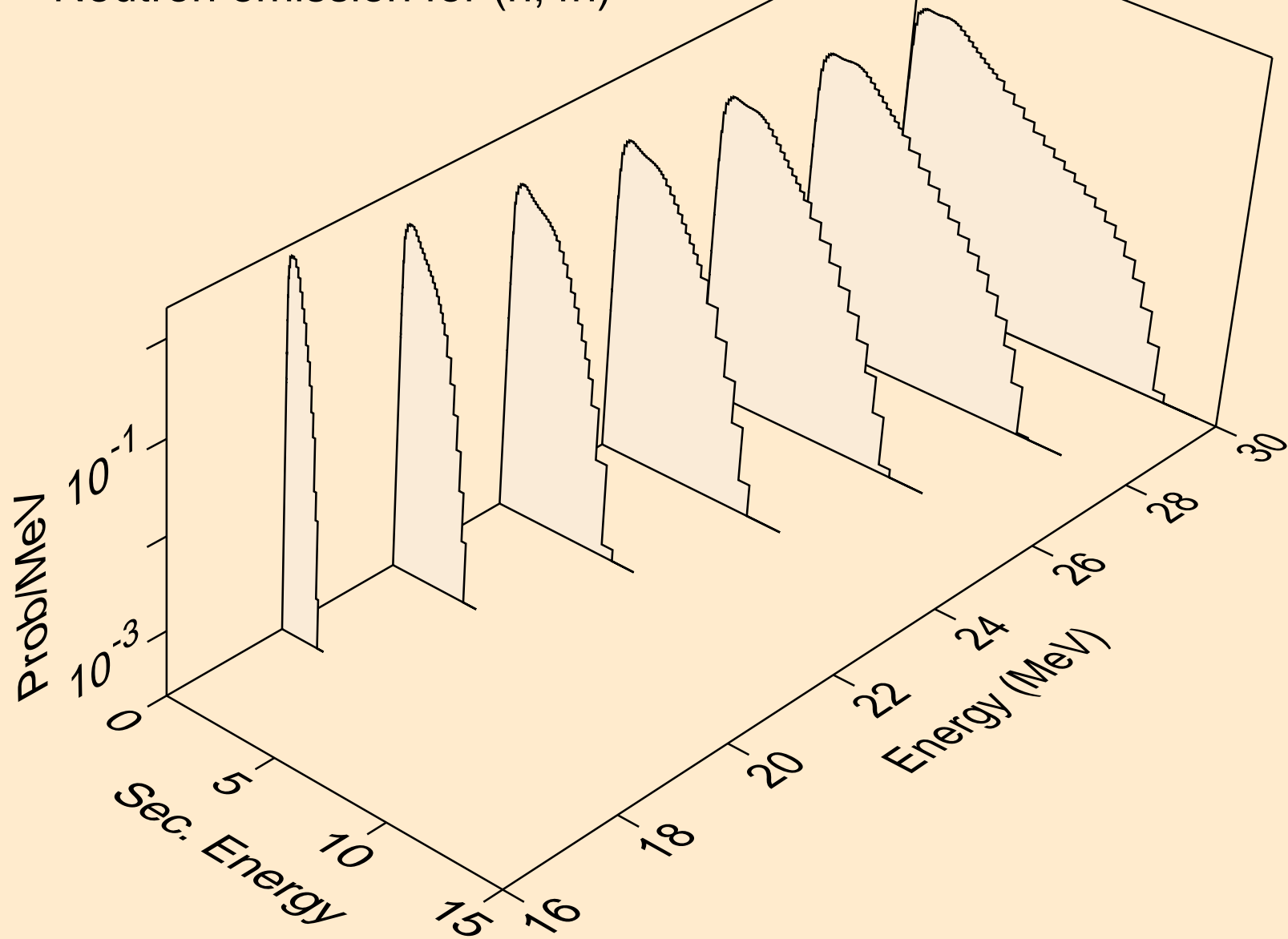
RN224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



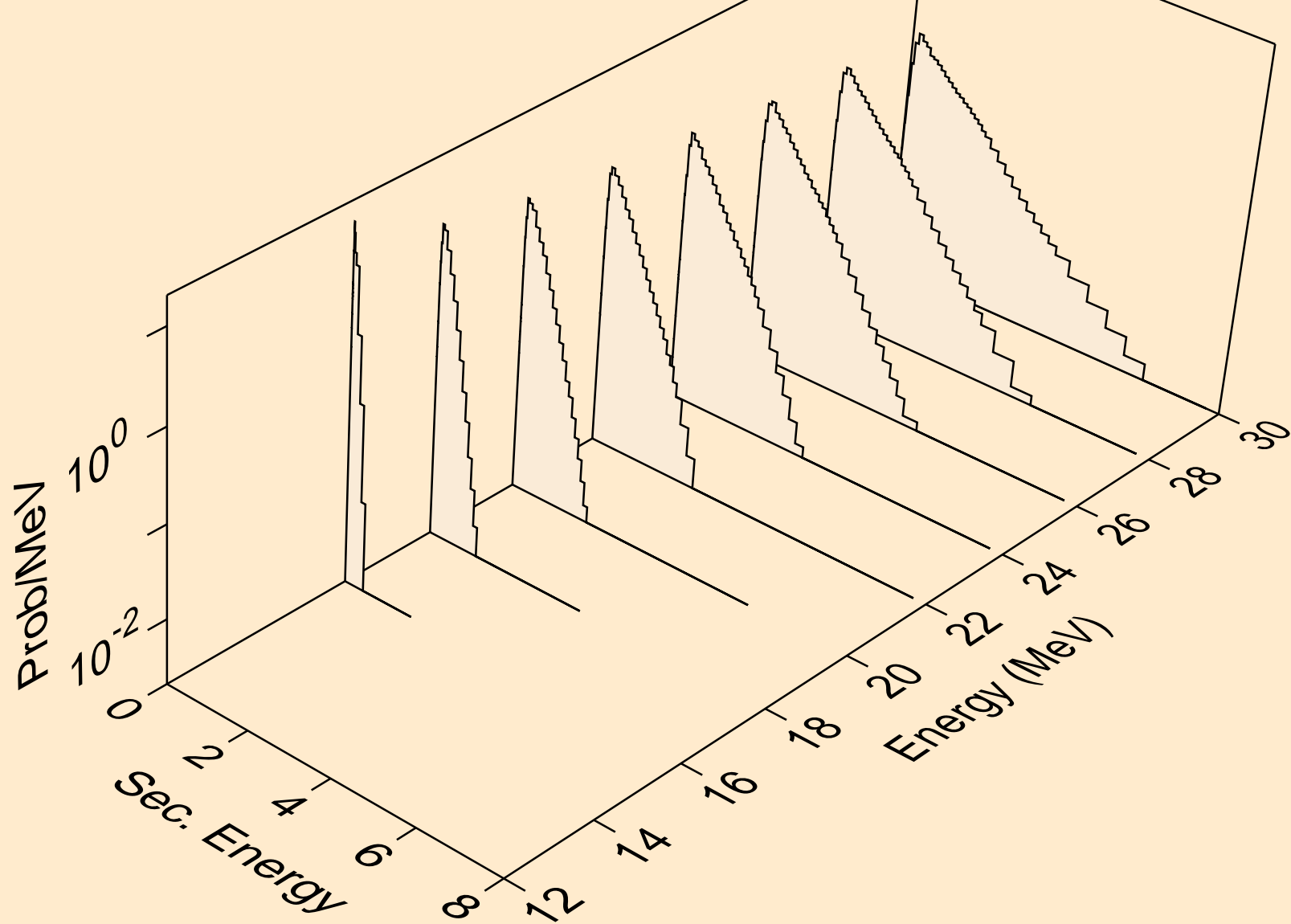
RN224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



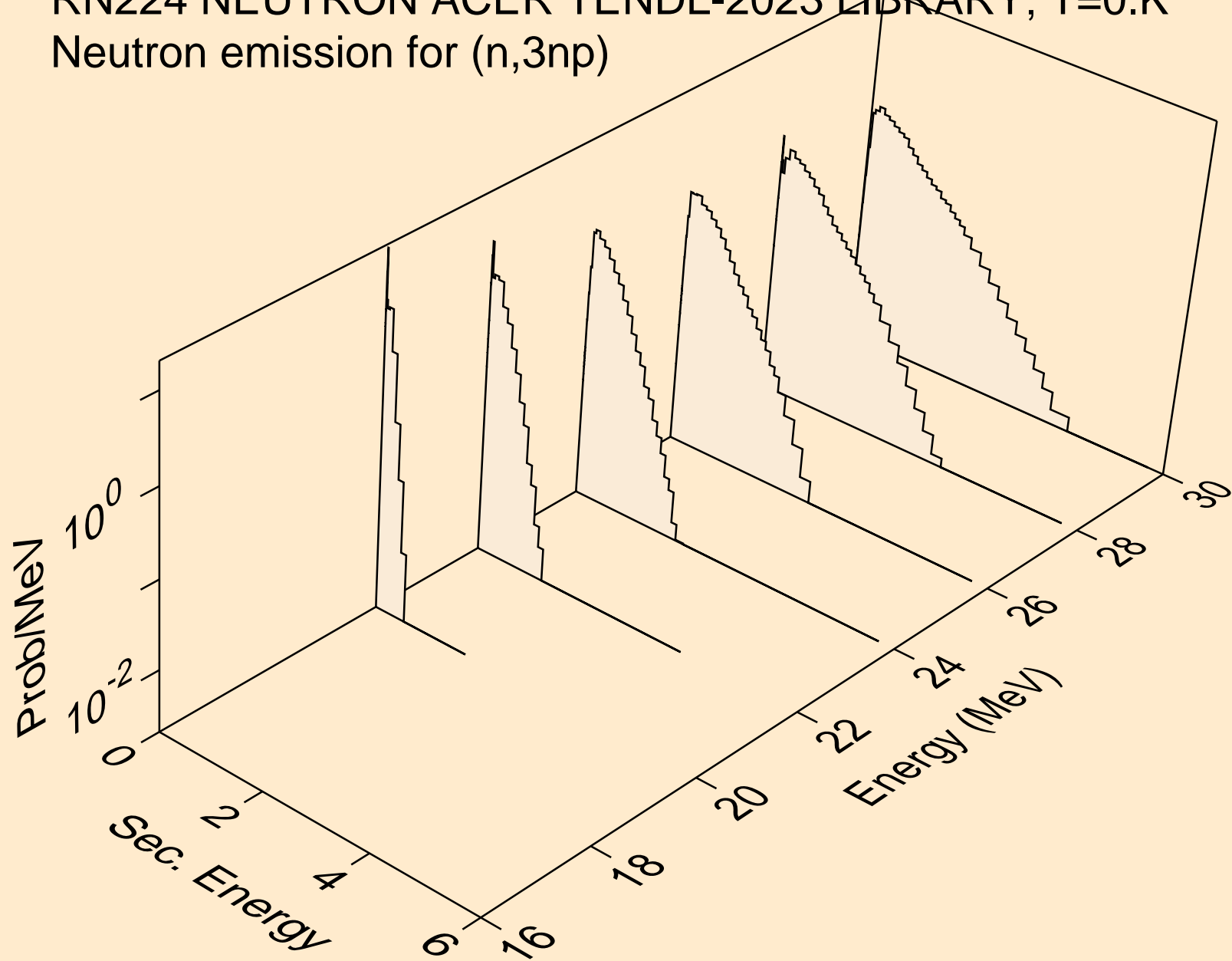
RN224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,4n)



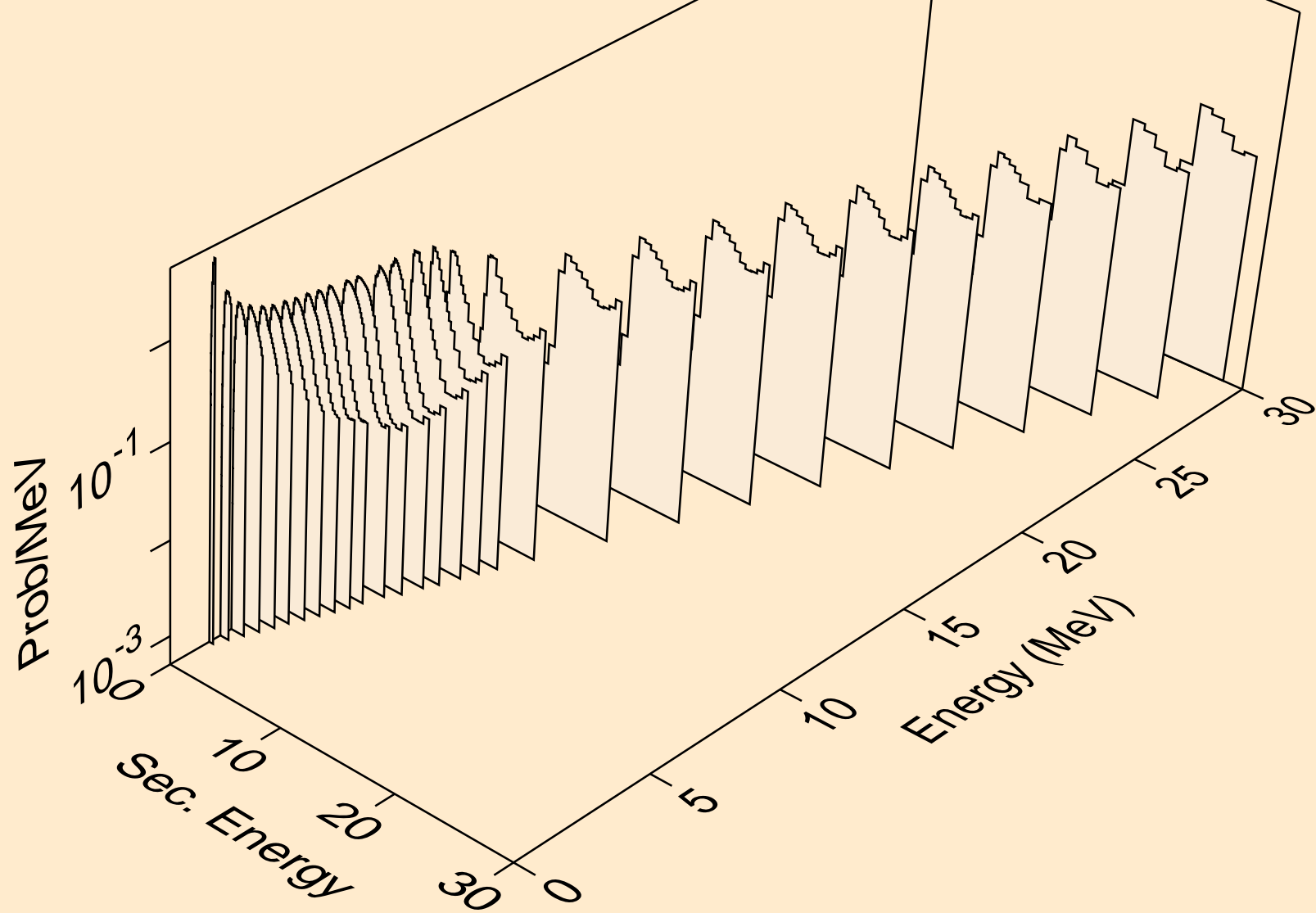
RN224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2np)



RN224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3np)

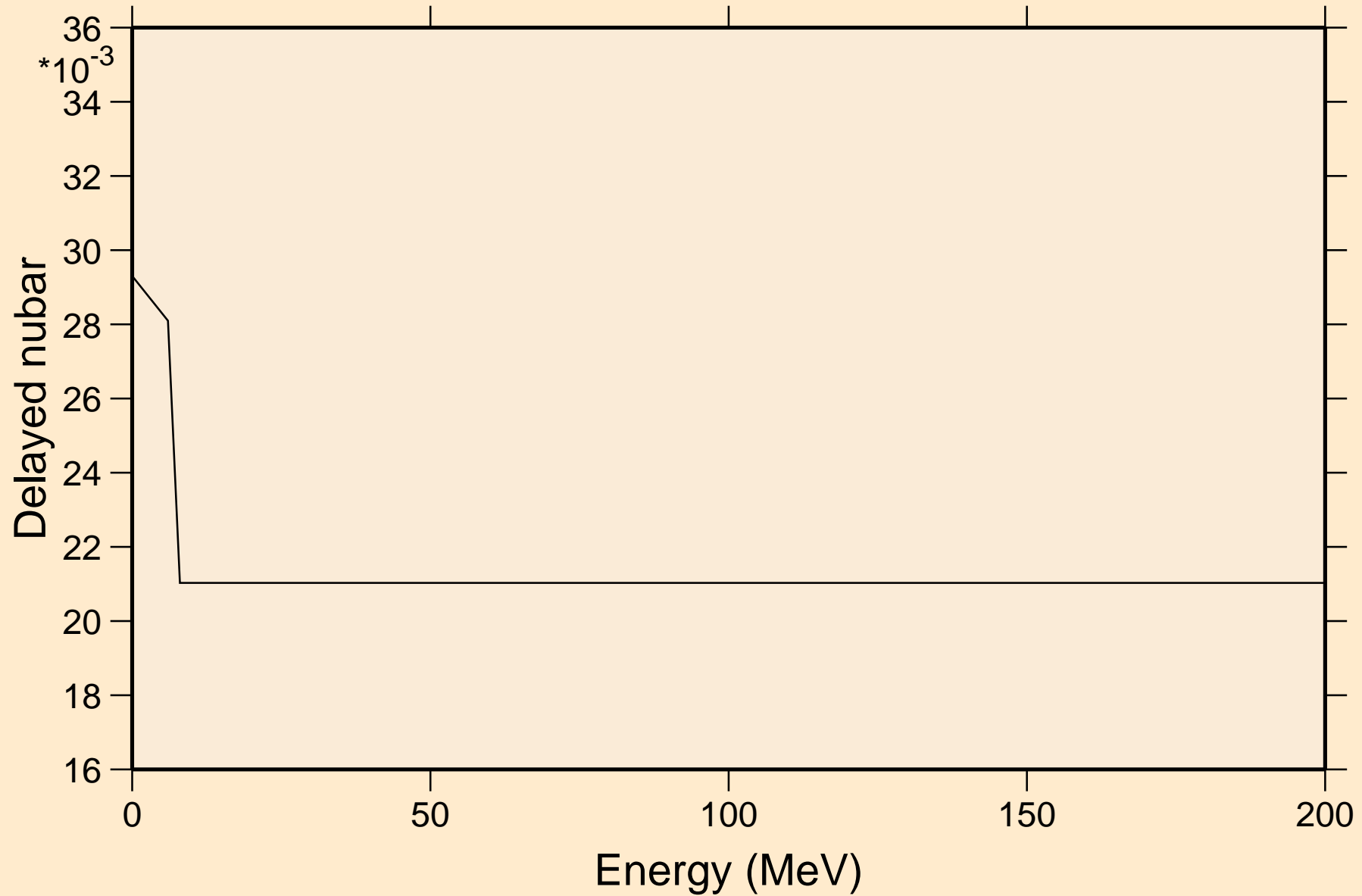


RN224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)



# RN224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

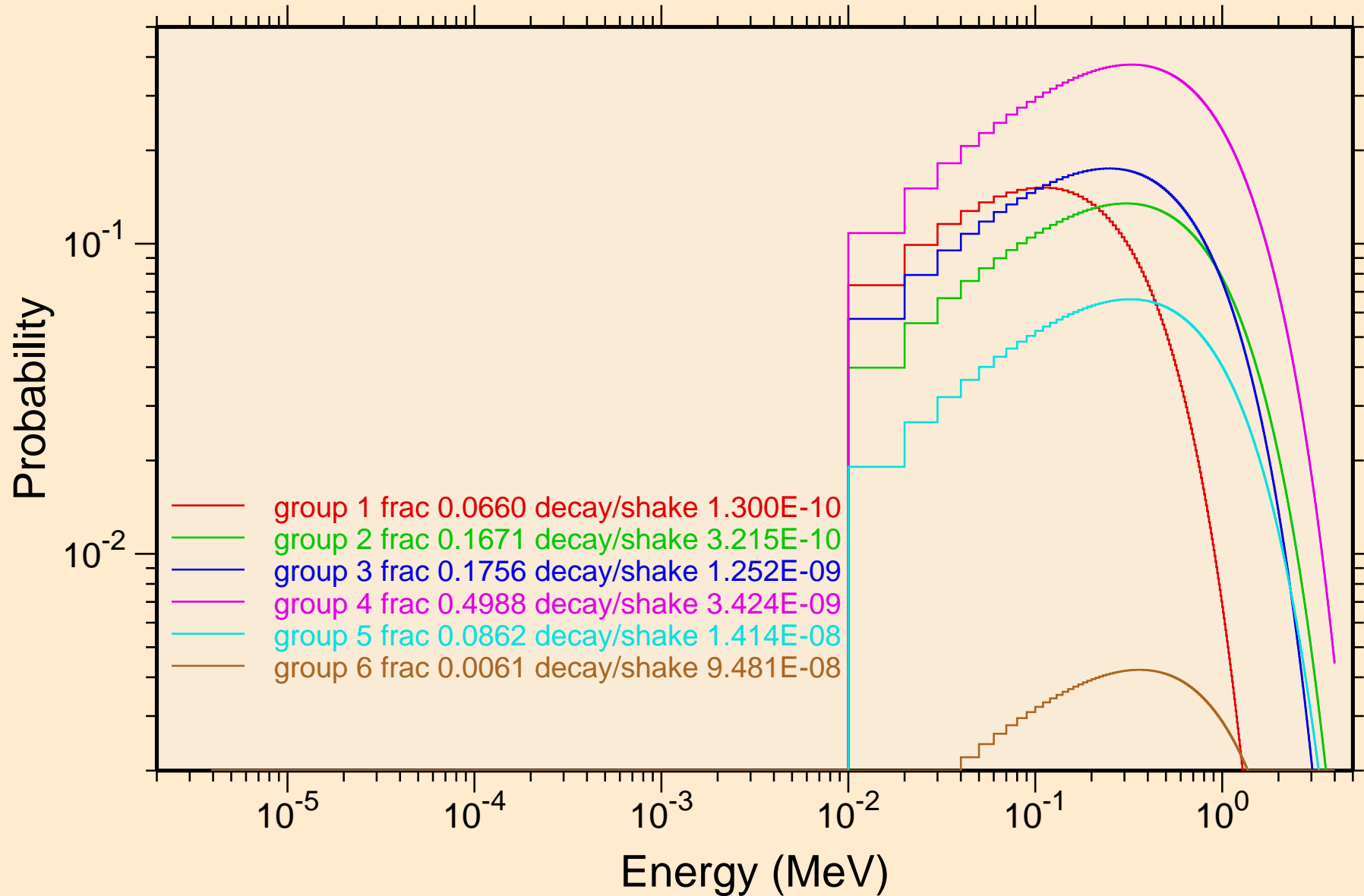
## Delayed nubar



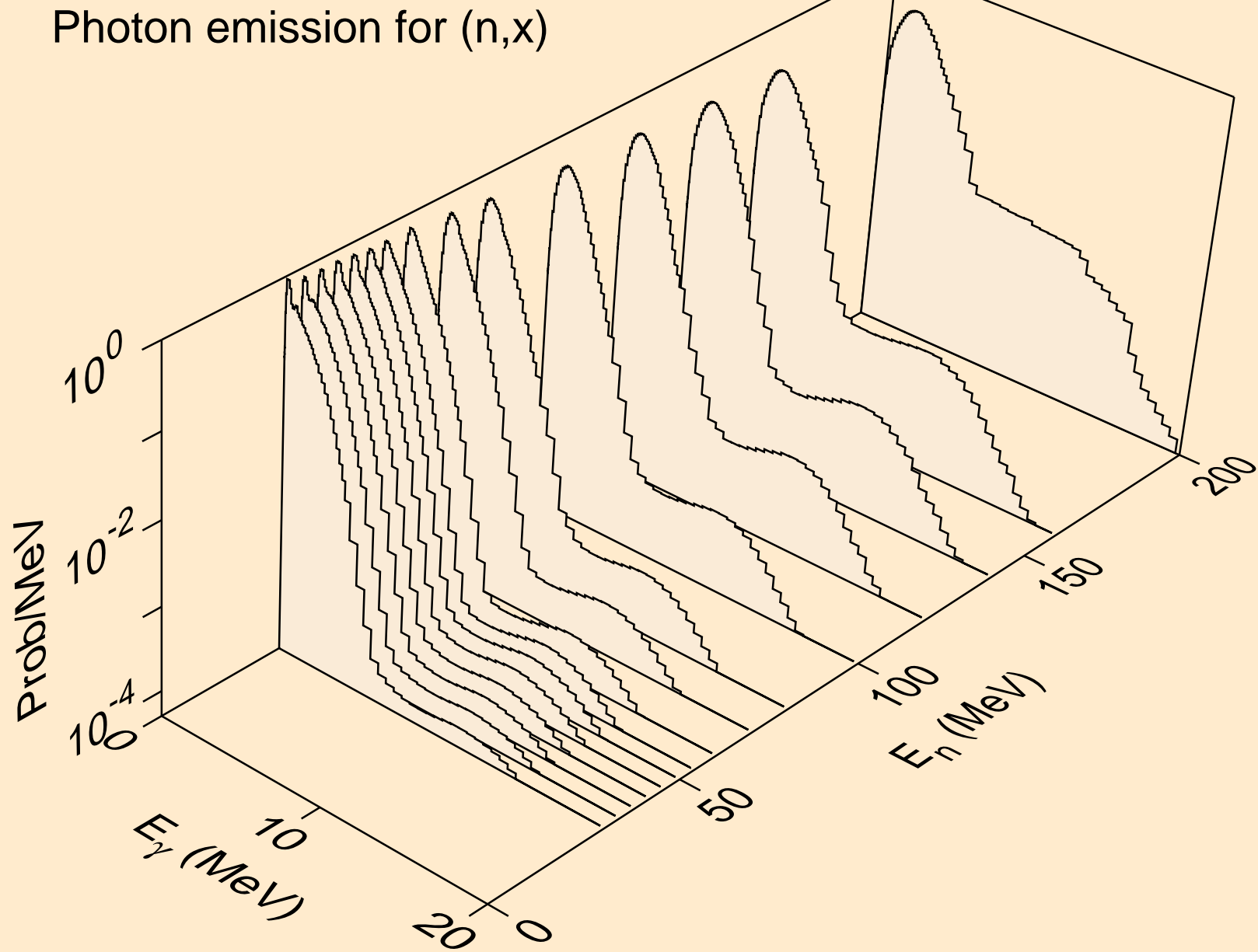


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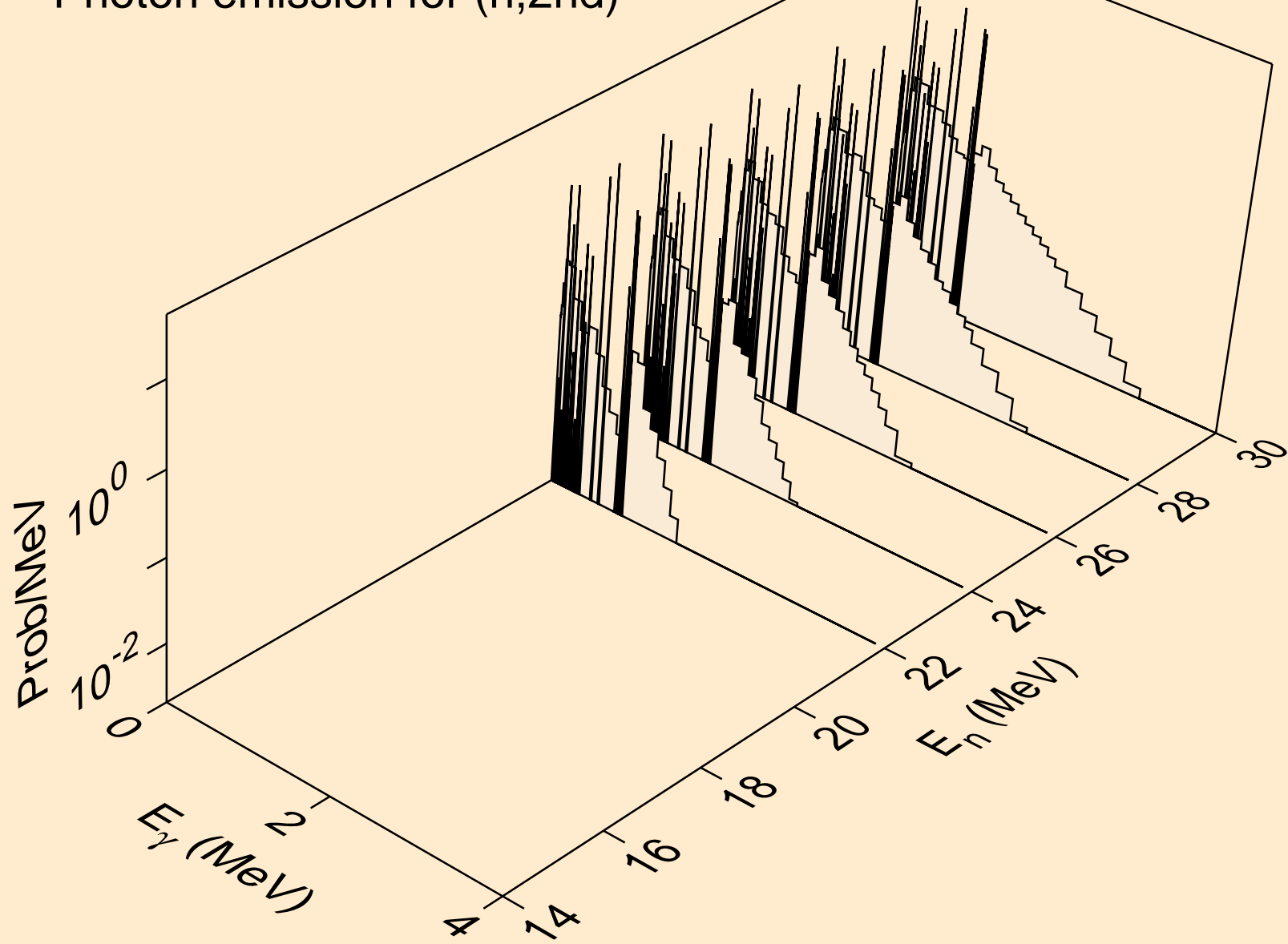
## Delayed neutron spectra



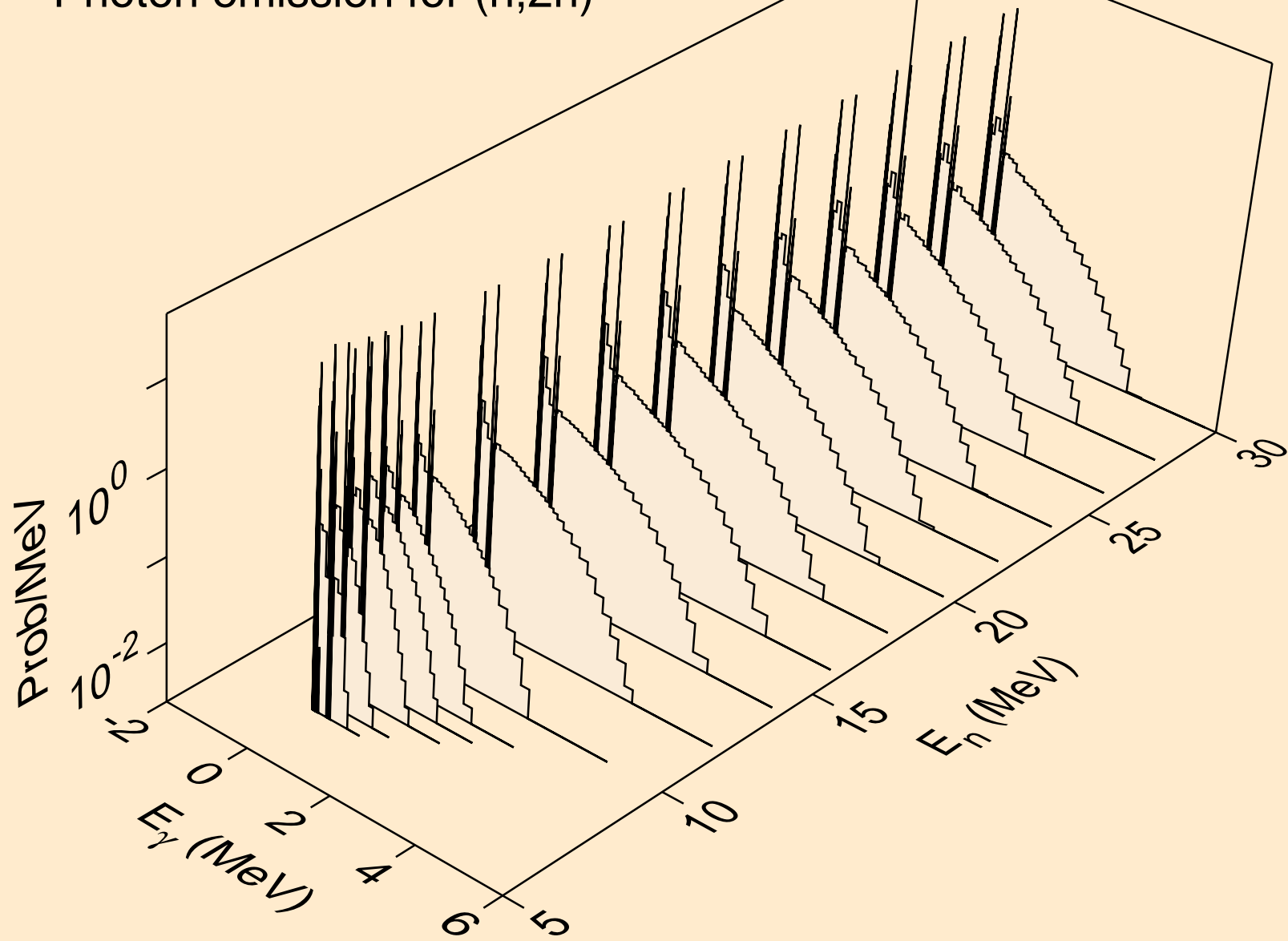
RN224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,x)



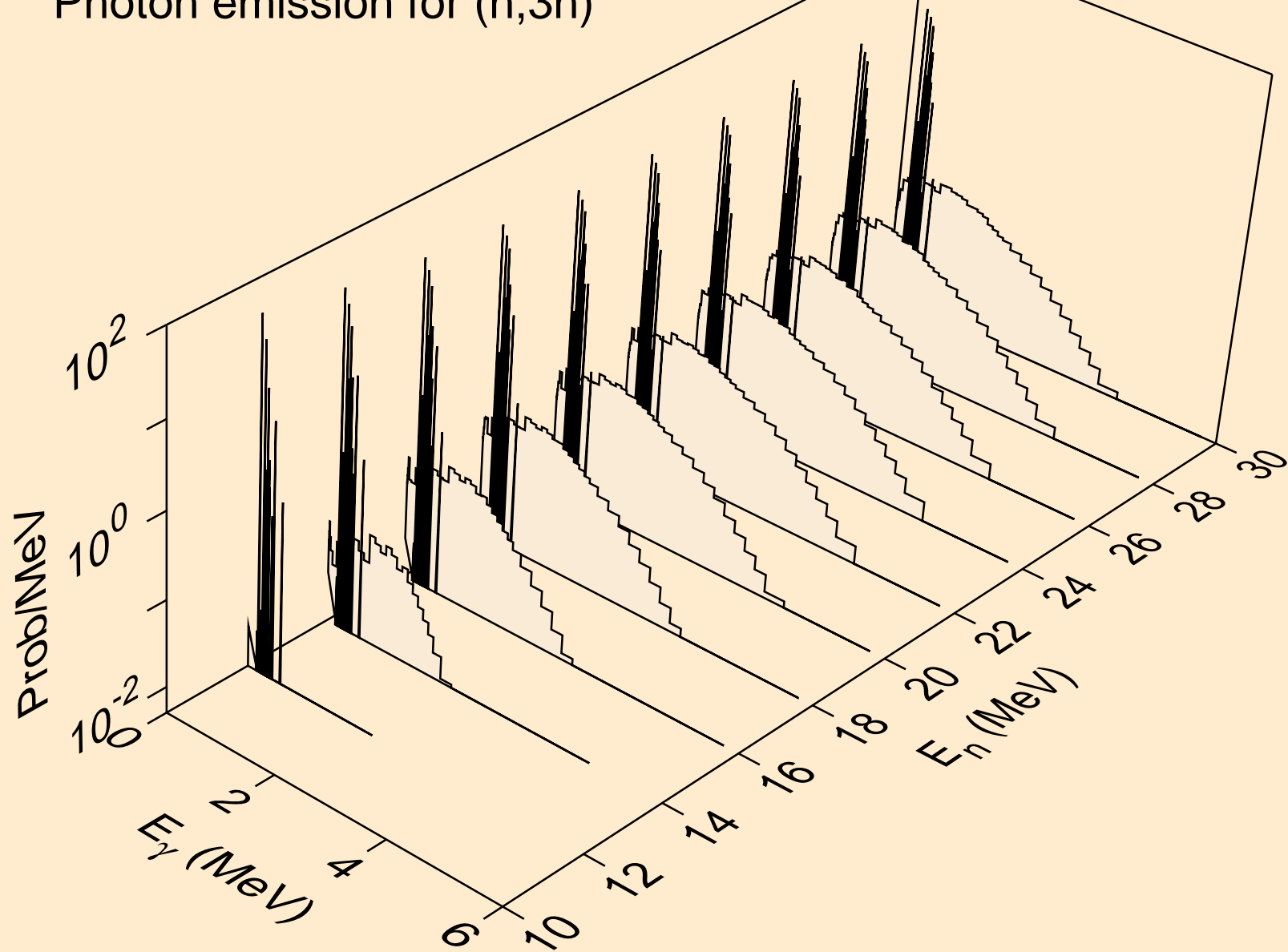
RN224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



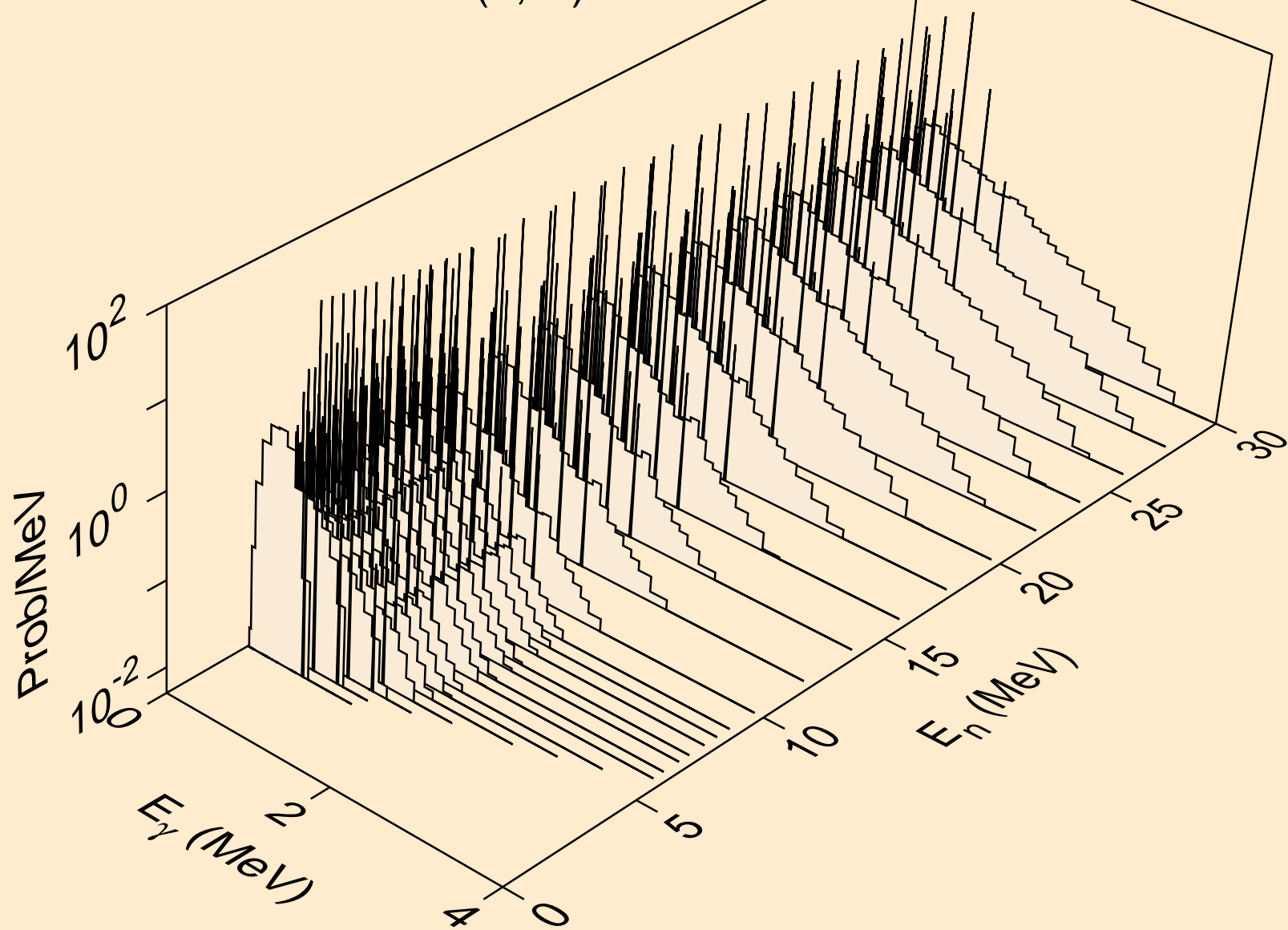
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Photon emission for (n,2n)



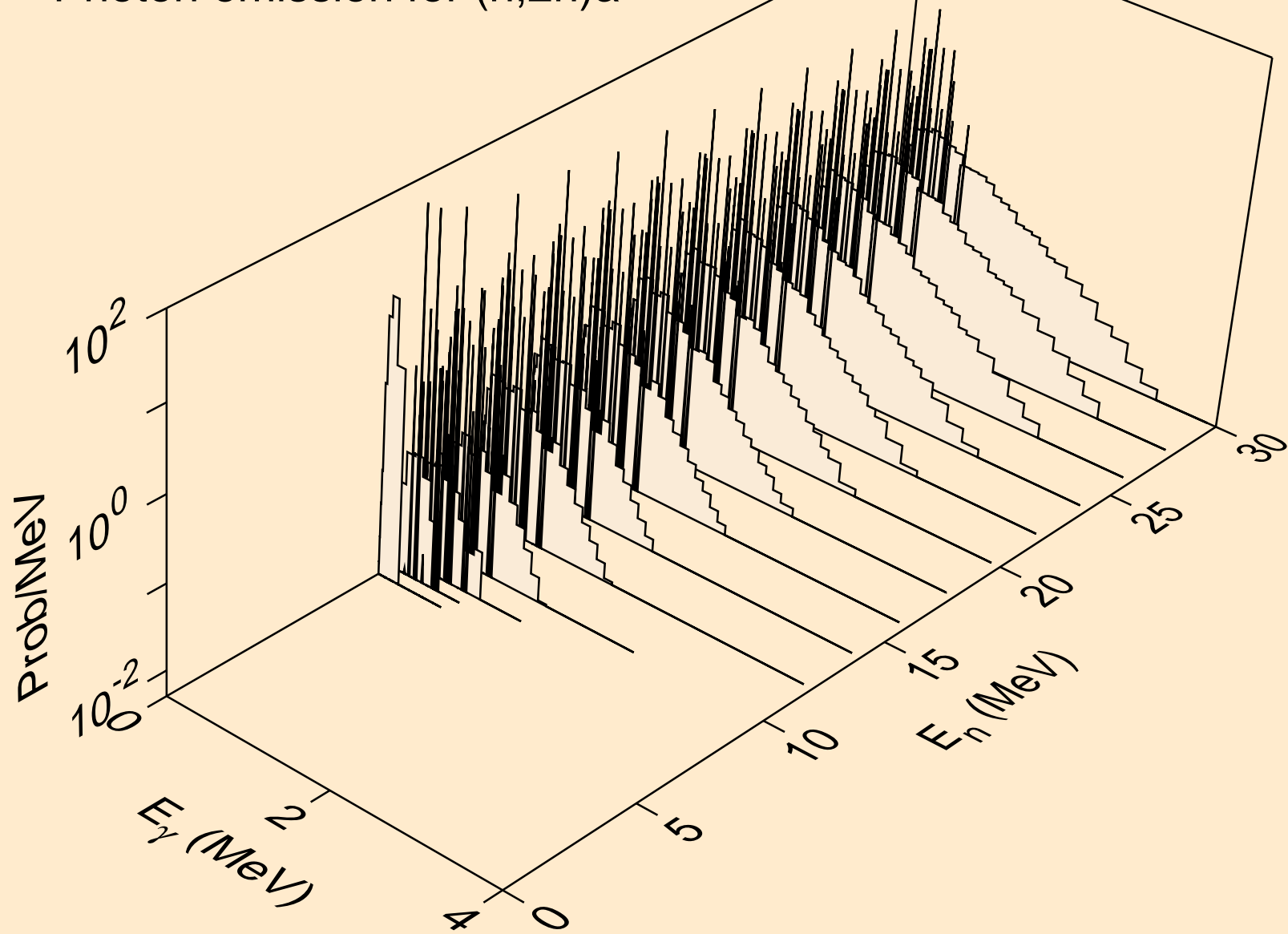
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Photon emission for (n,3n)



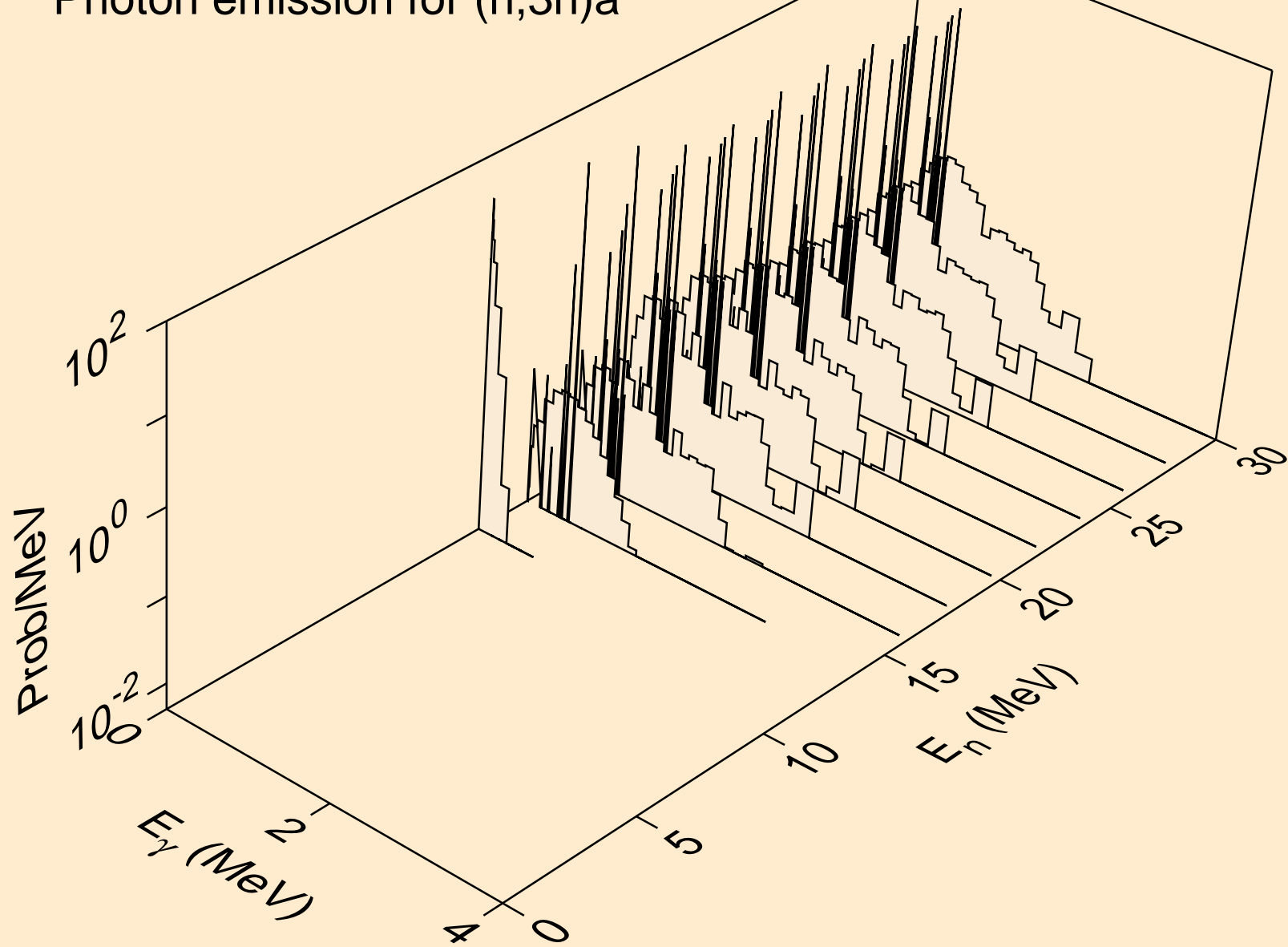
RN224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



RN224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a

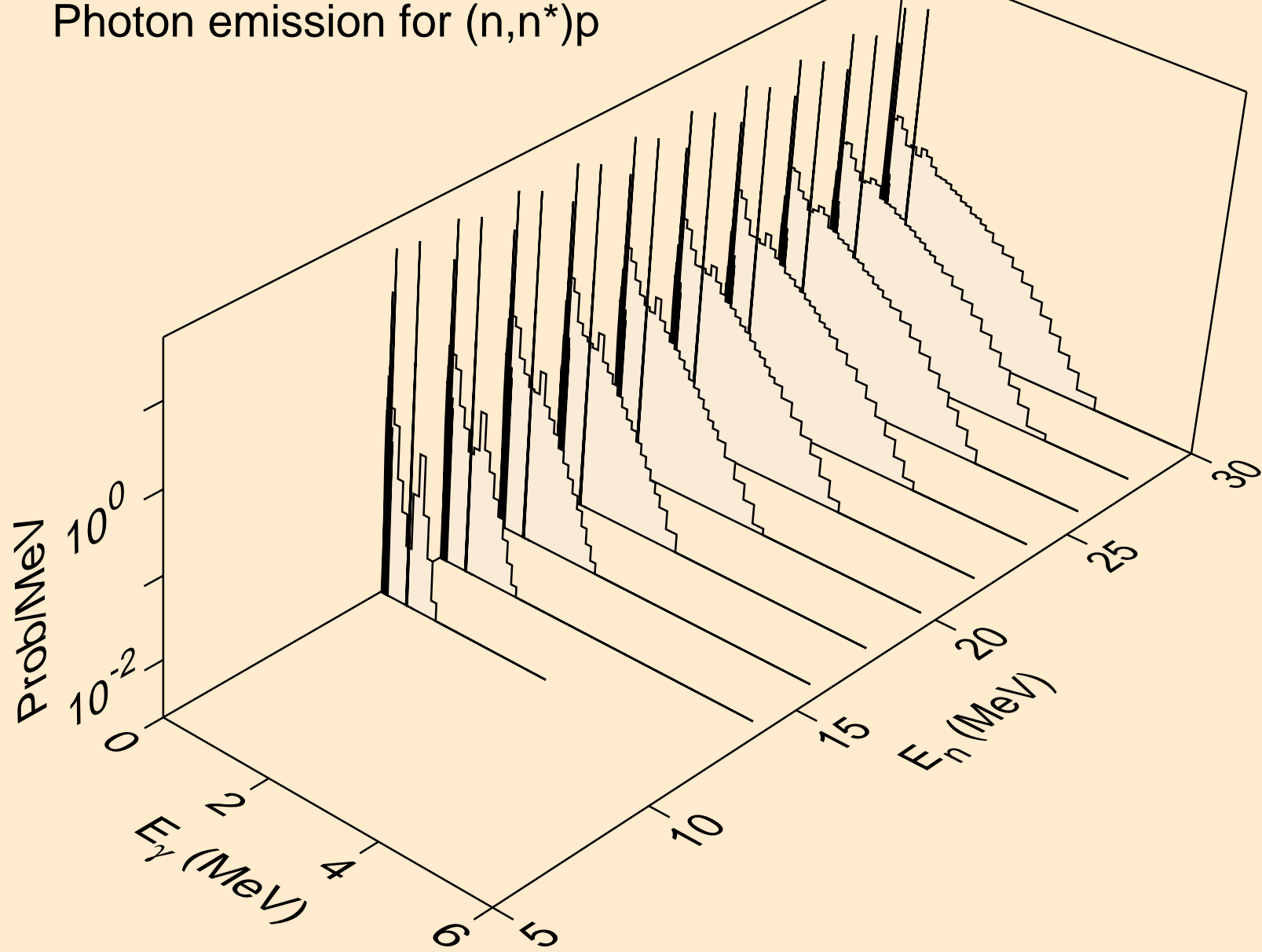


RN224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)a

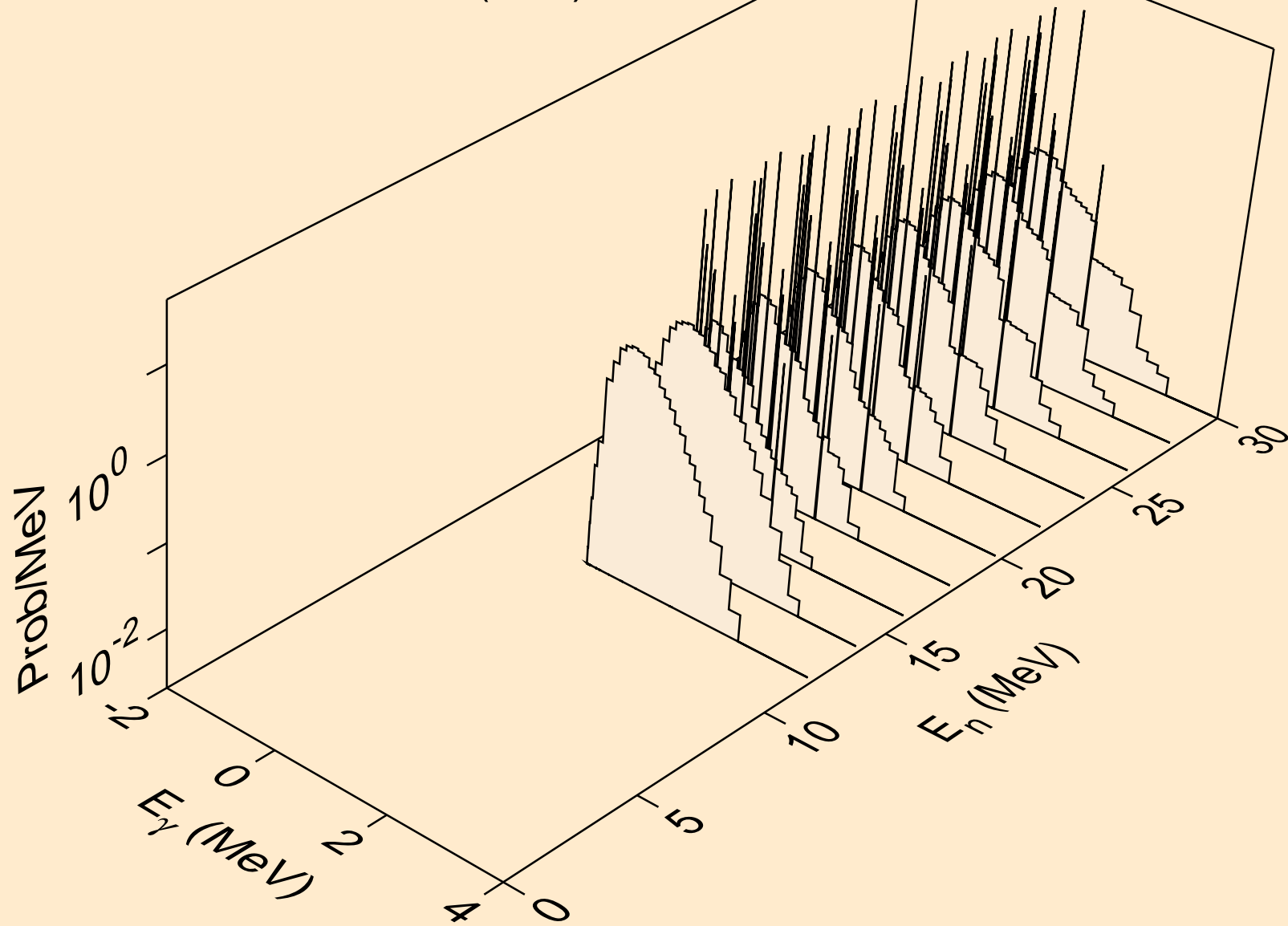




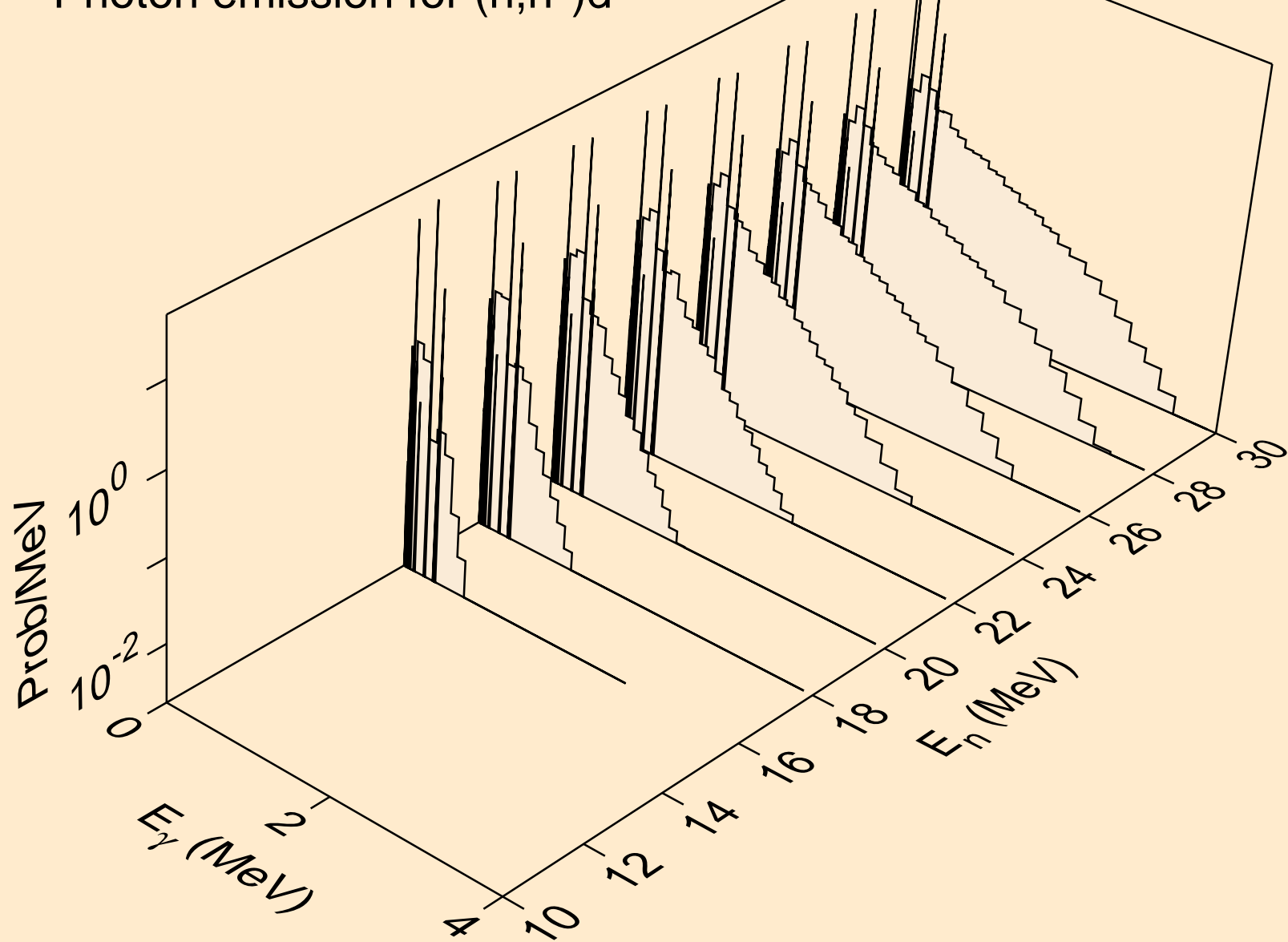
RN224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



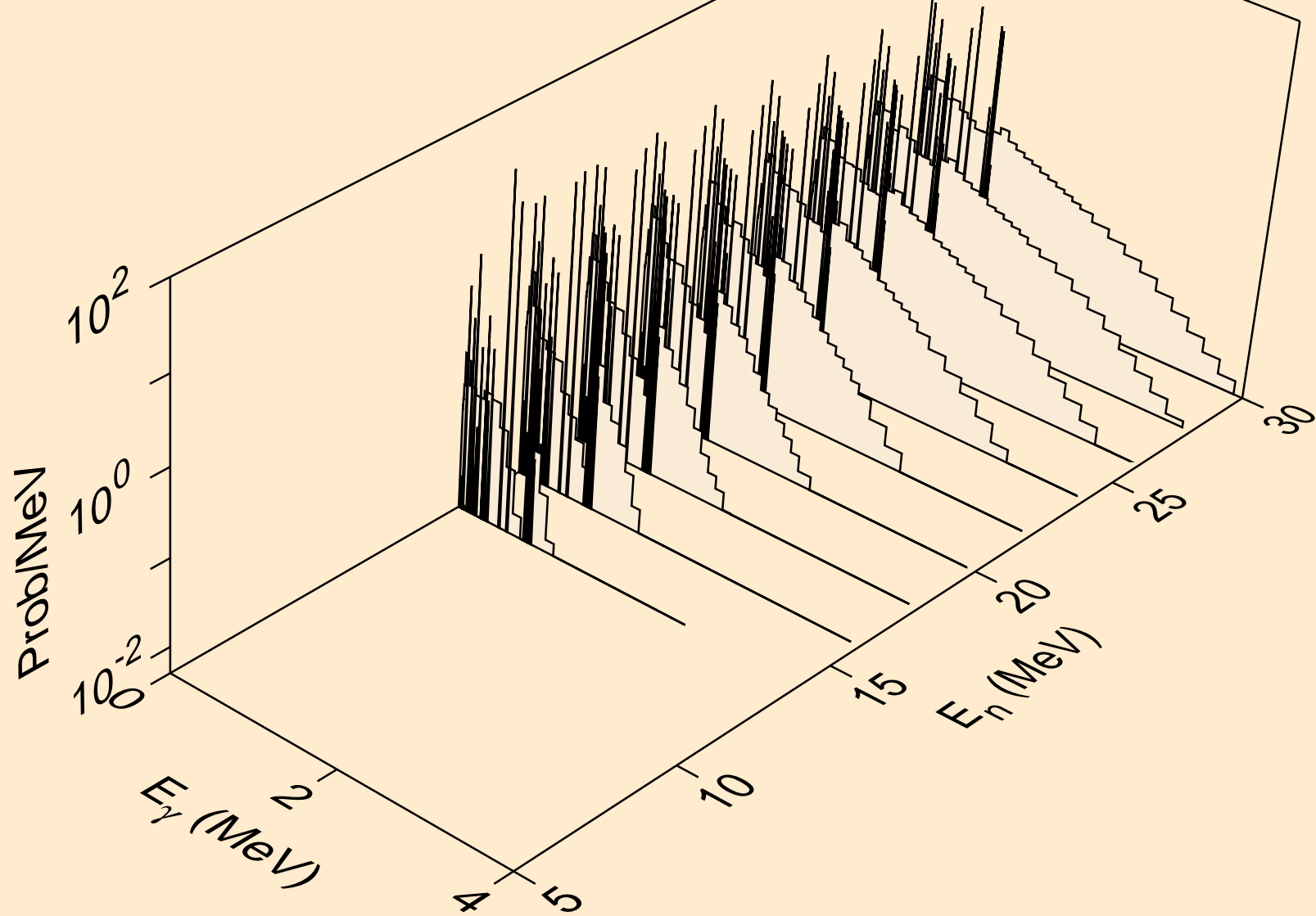
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Photon emission for (n,n\*)2a



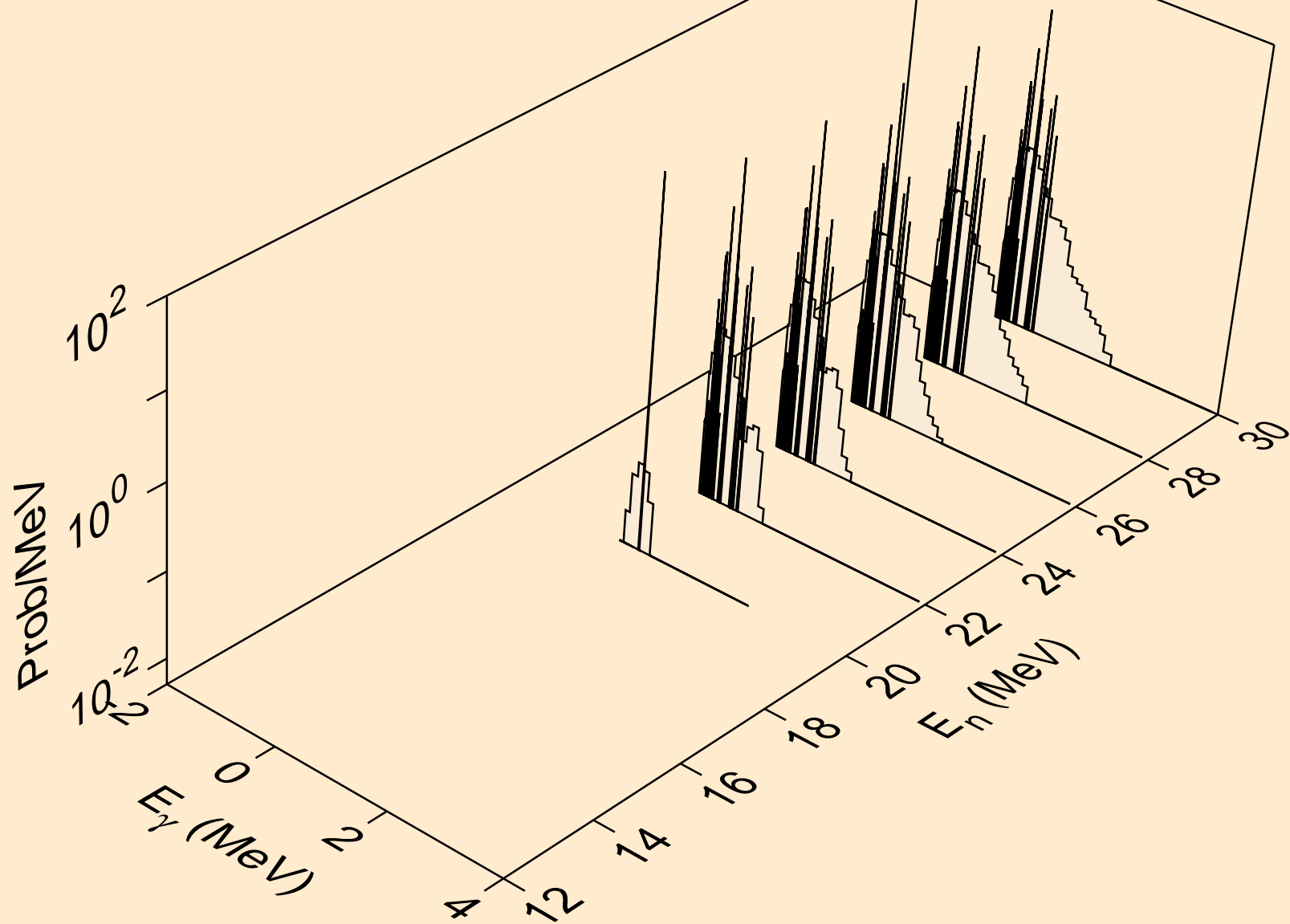
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Photon emission for (n,n\*)d



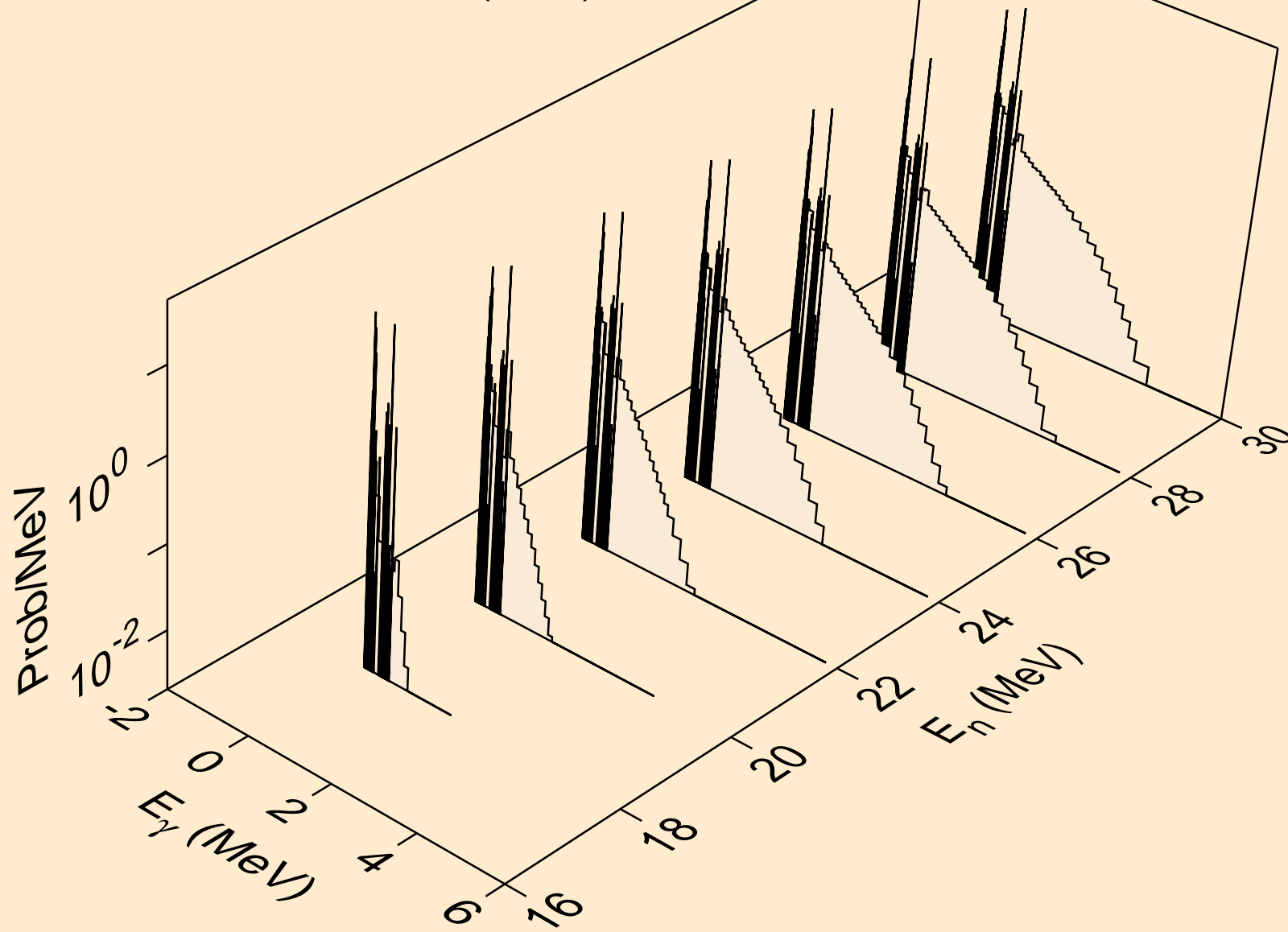
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Photon emission for (n,n\*)t



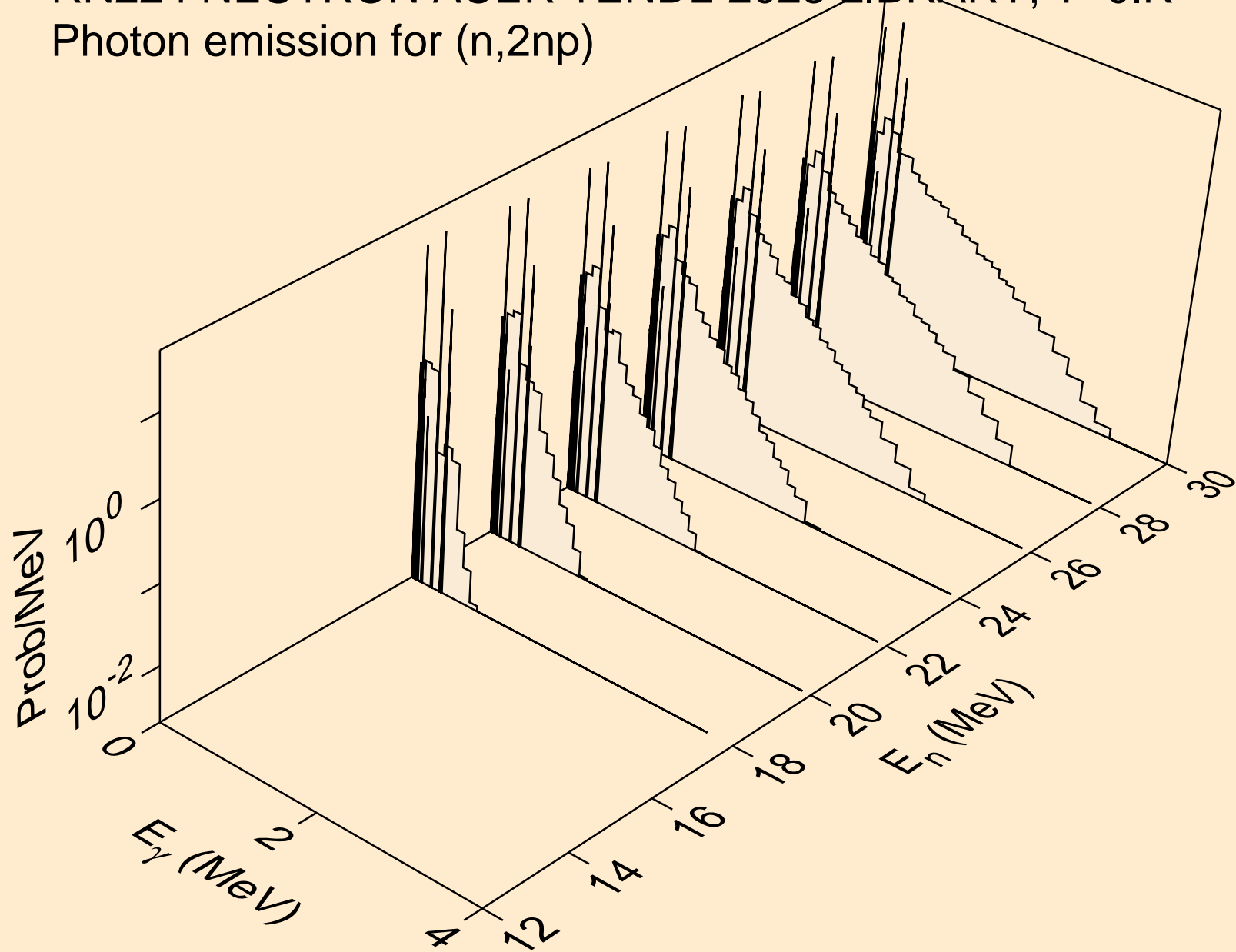
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Photon emission for (n,n\*)he3



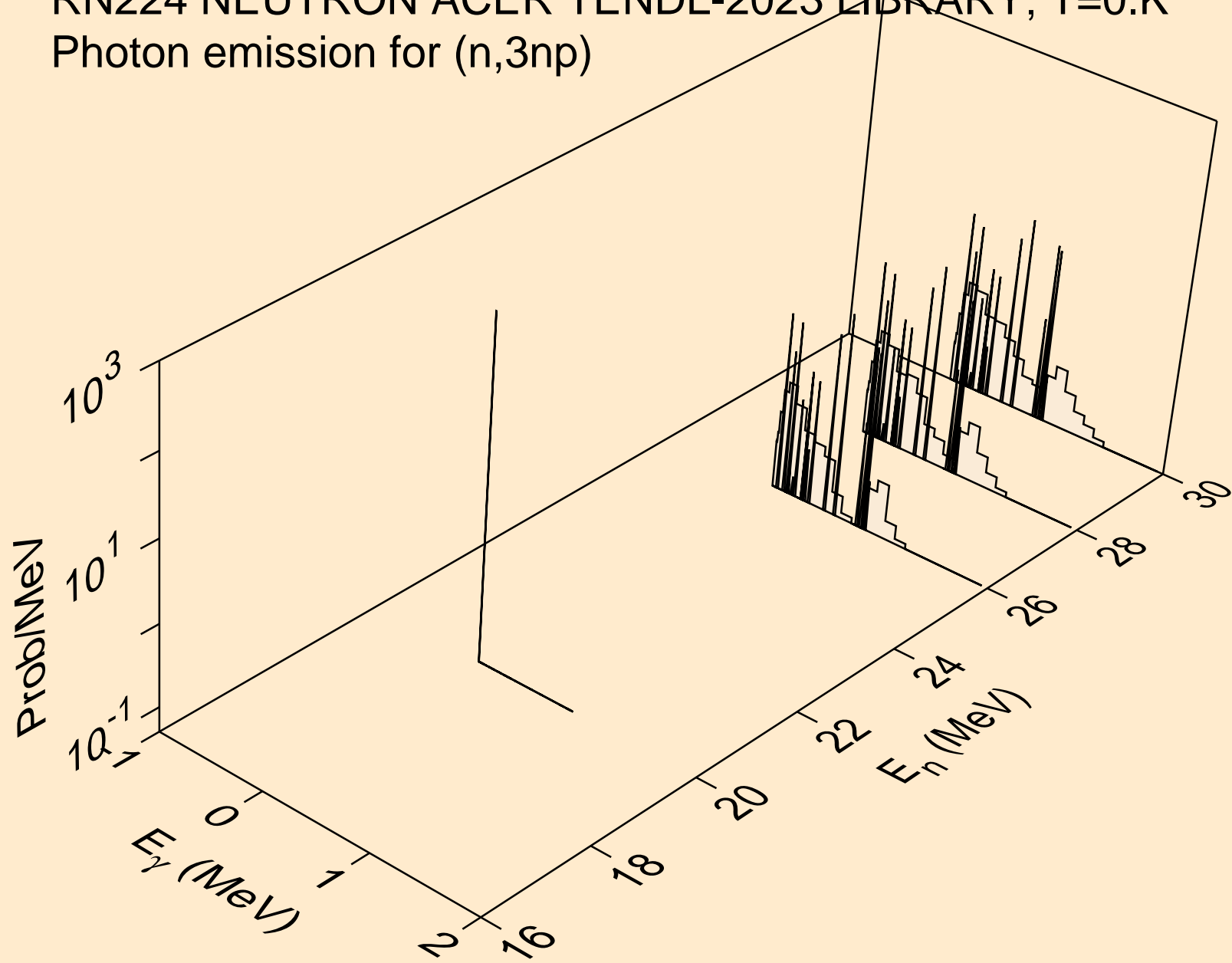
RN224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,4n)



RN224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)

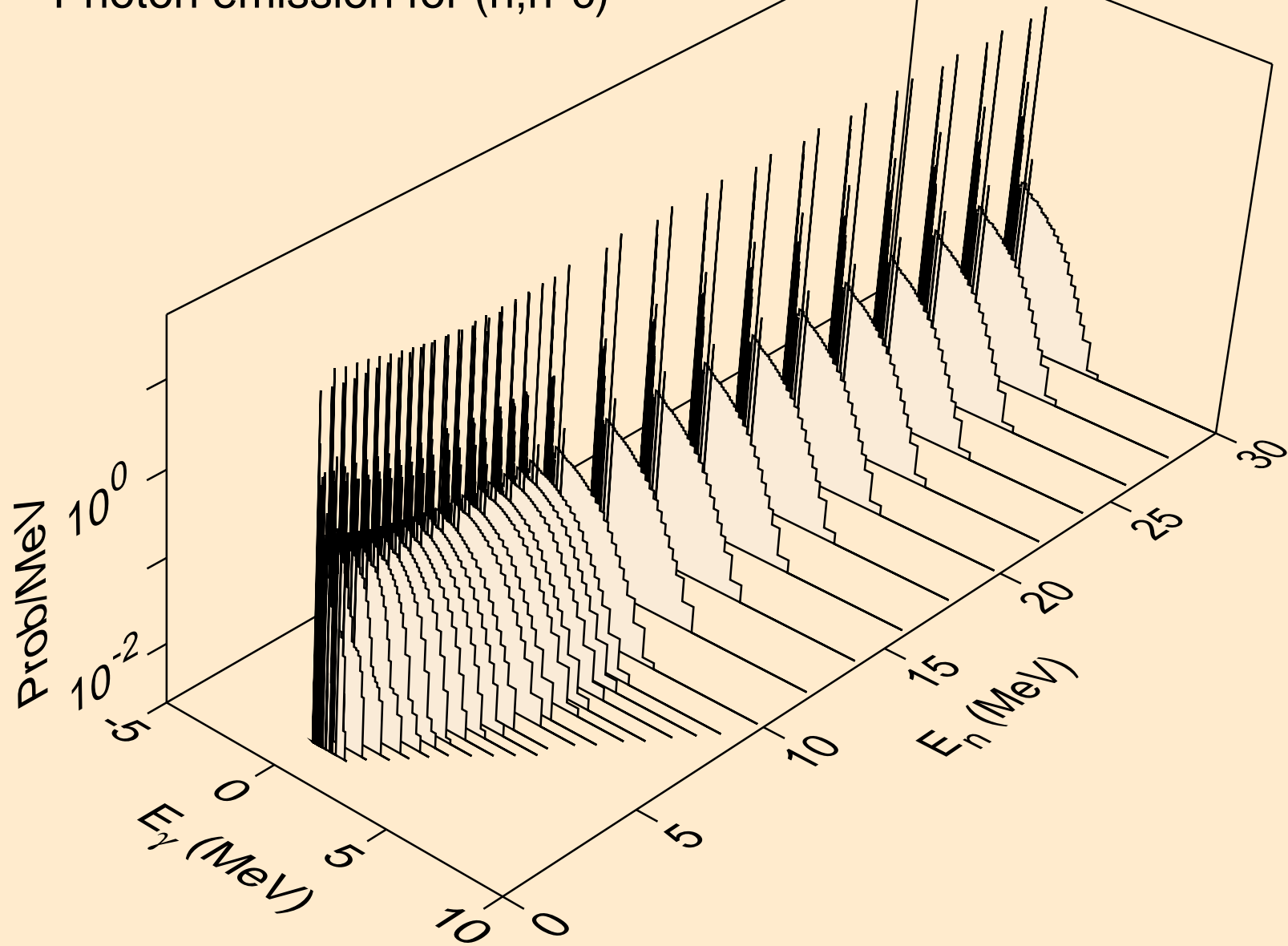


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Photon emission for (n,3np)

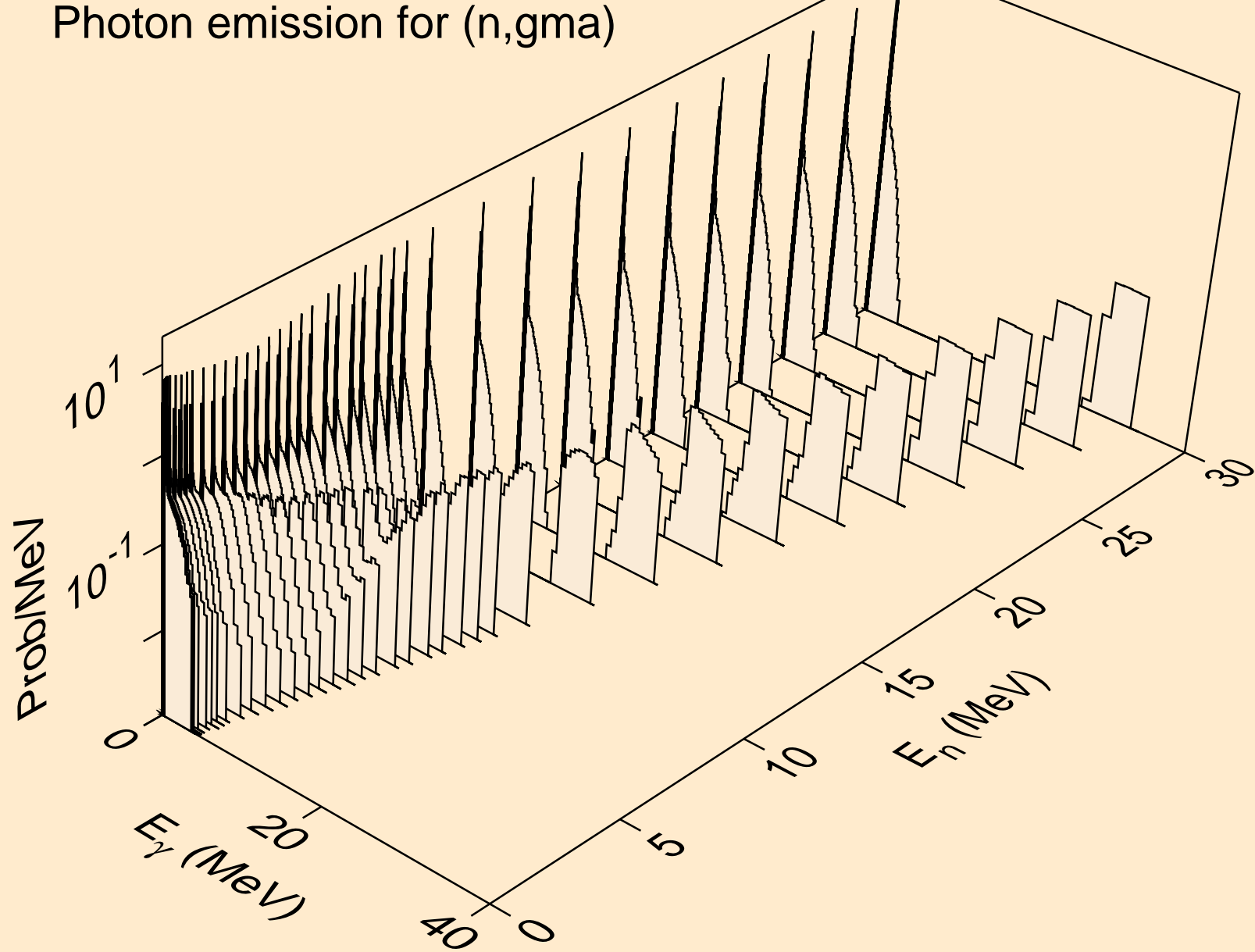




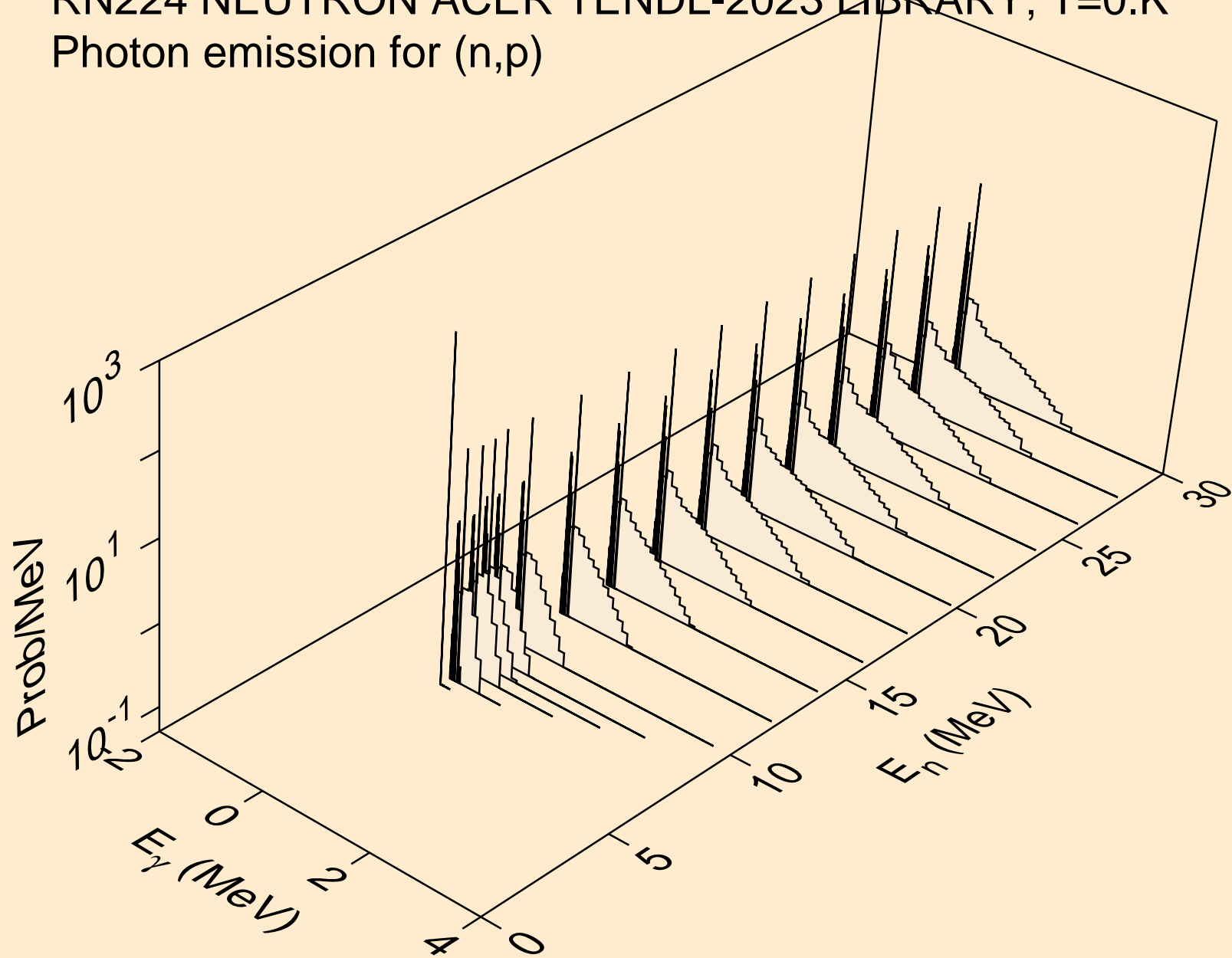
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Photon emission for (n,n\*c)



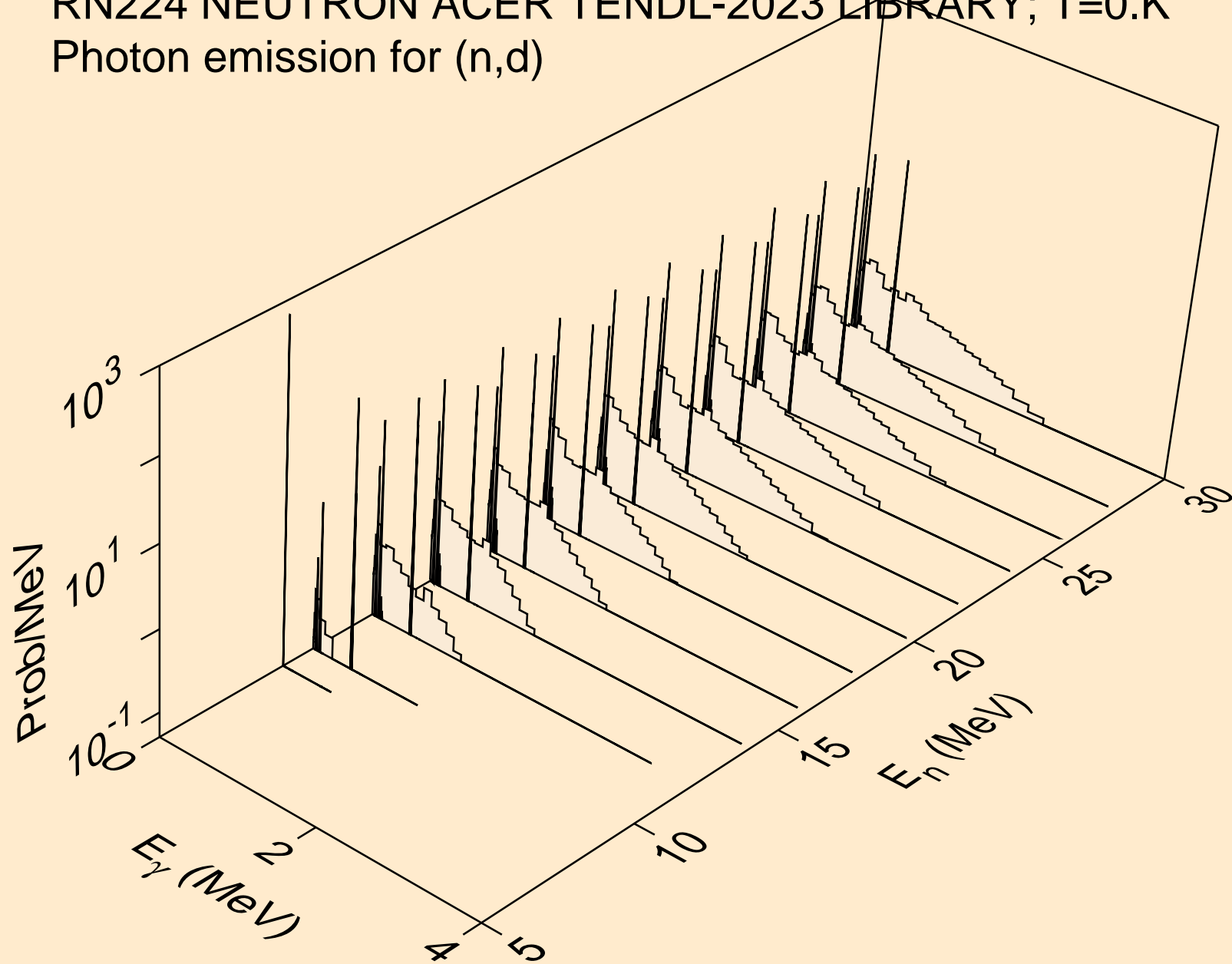
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Photon emission for (n,gma)



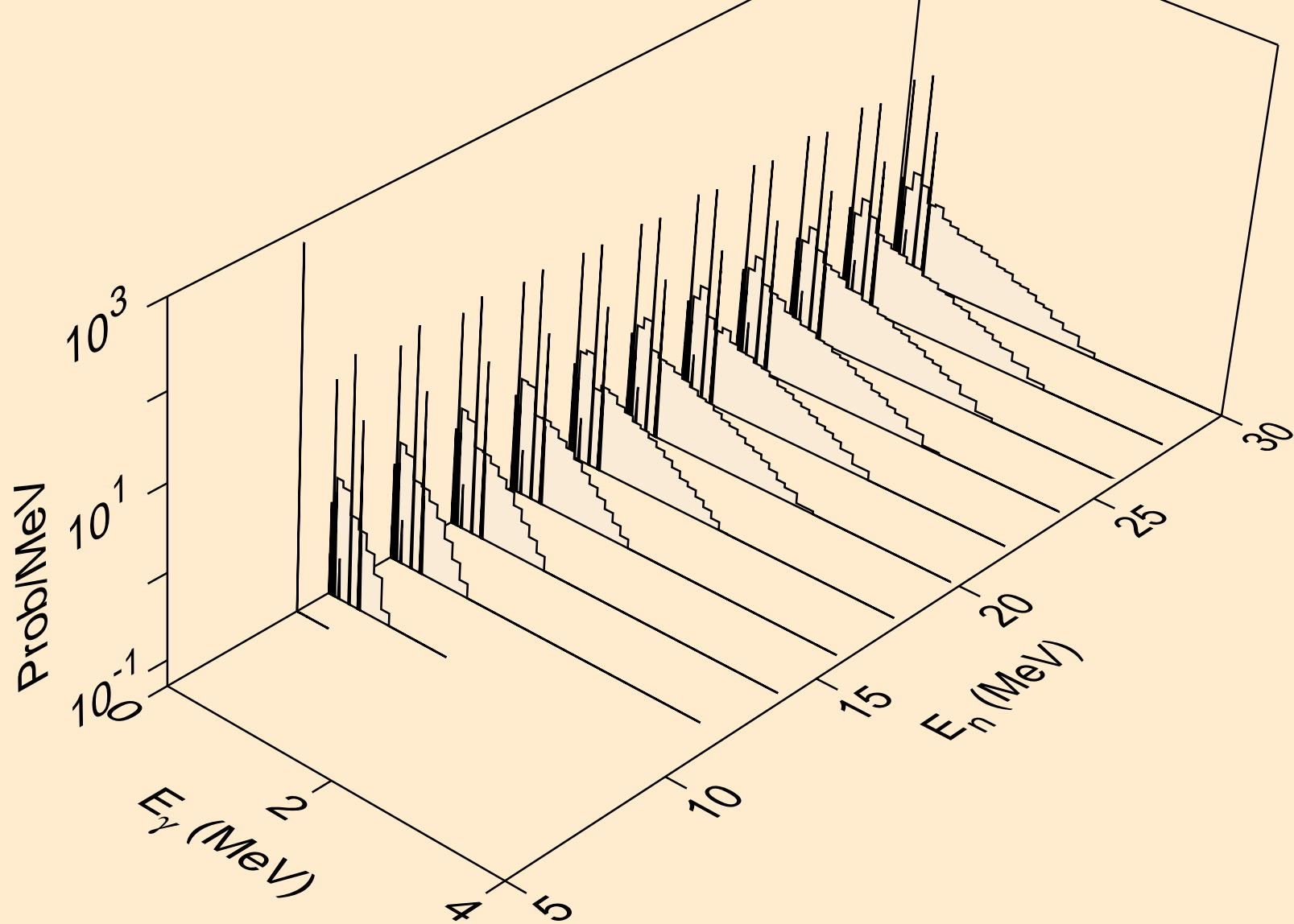
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Photon emission for (n,p)



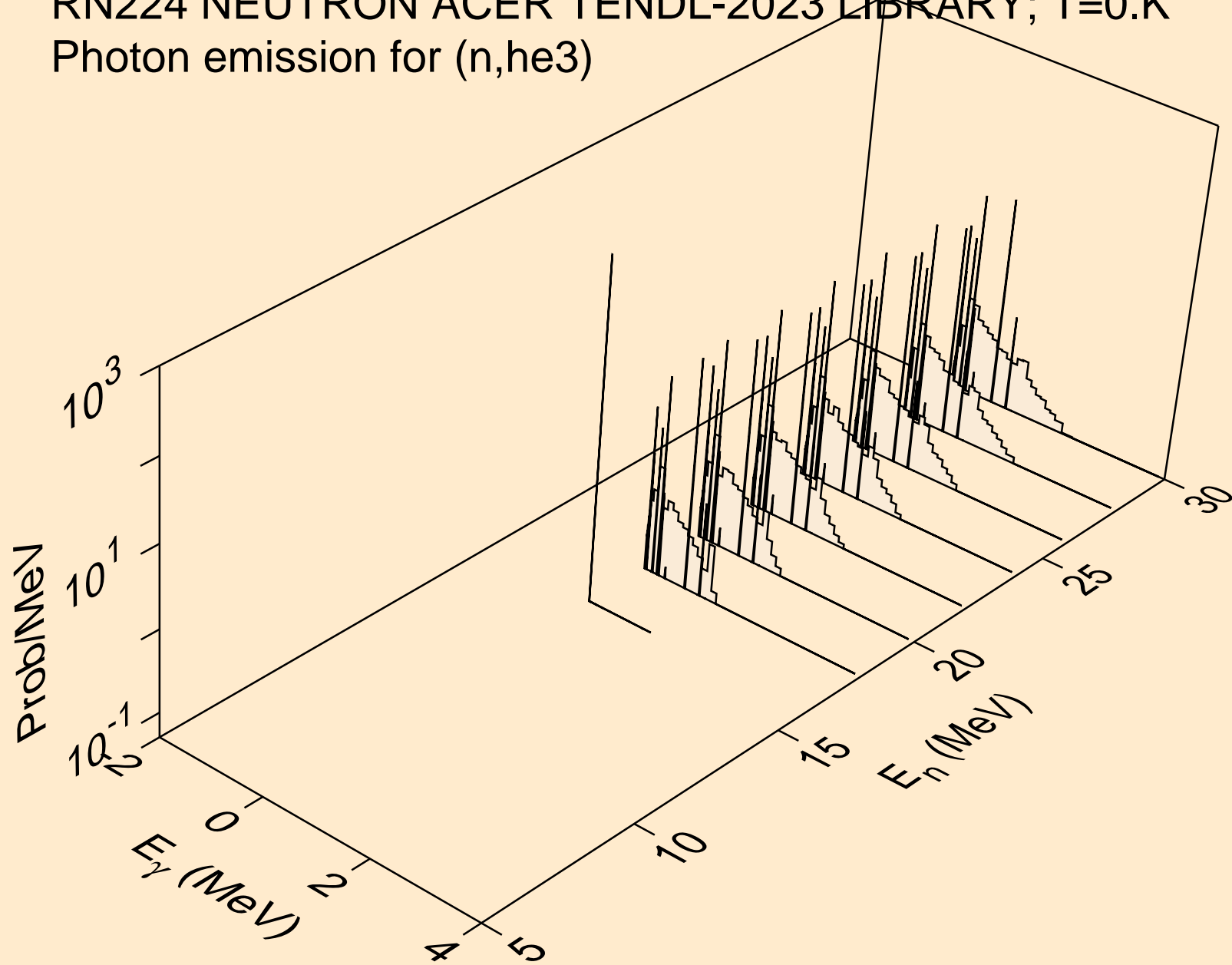
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Photon emission for (n,d)



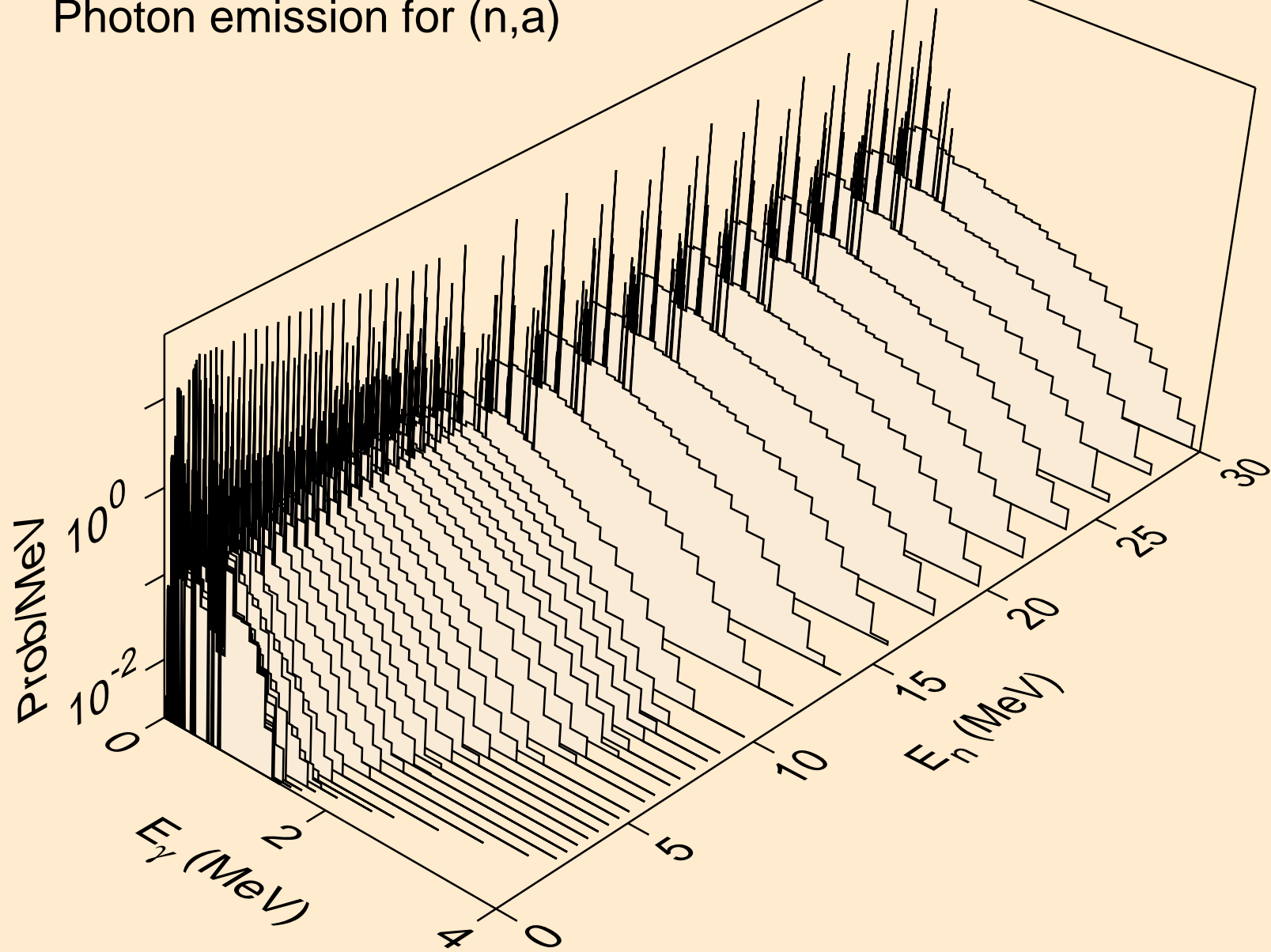
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Photon emission for (n,t)



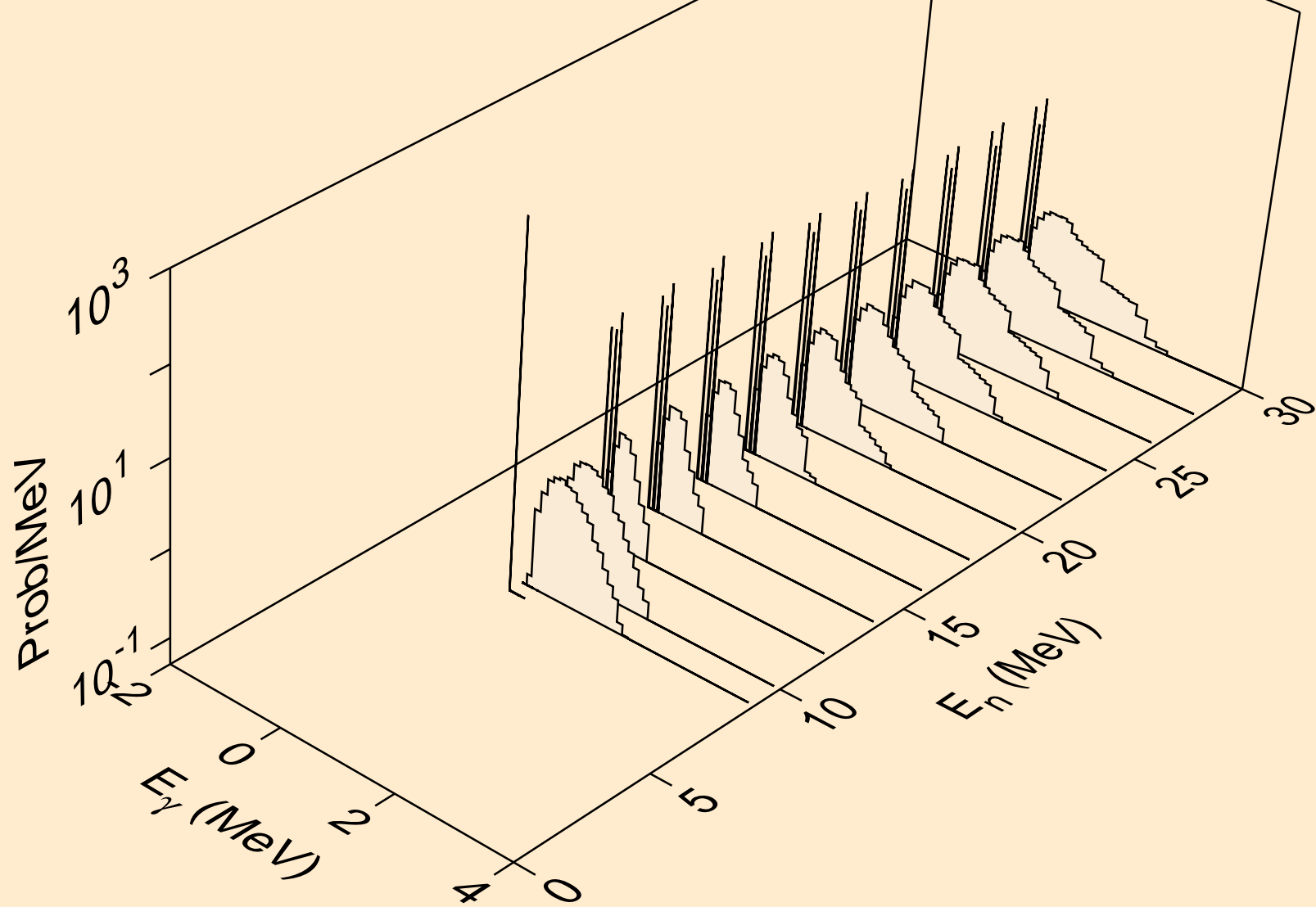
RN224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)



RN224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)

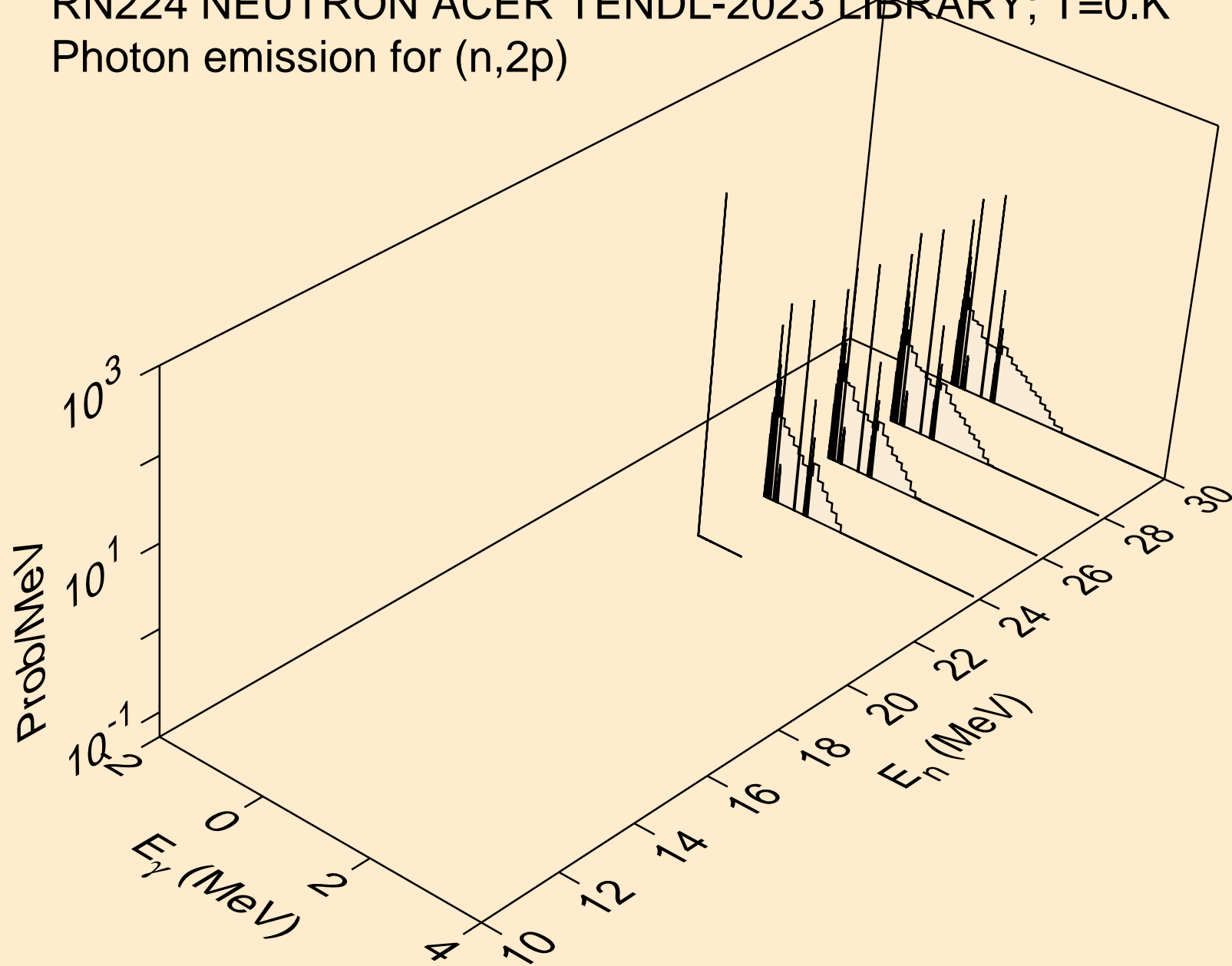


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Photon emission for (n,2a)

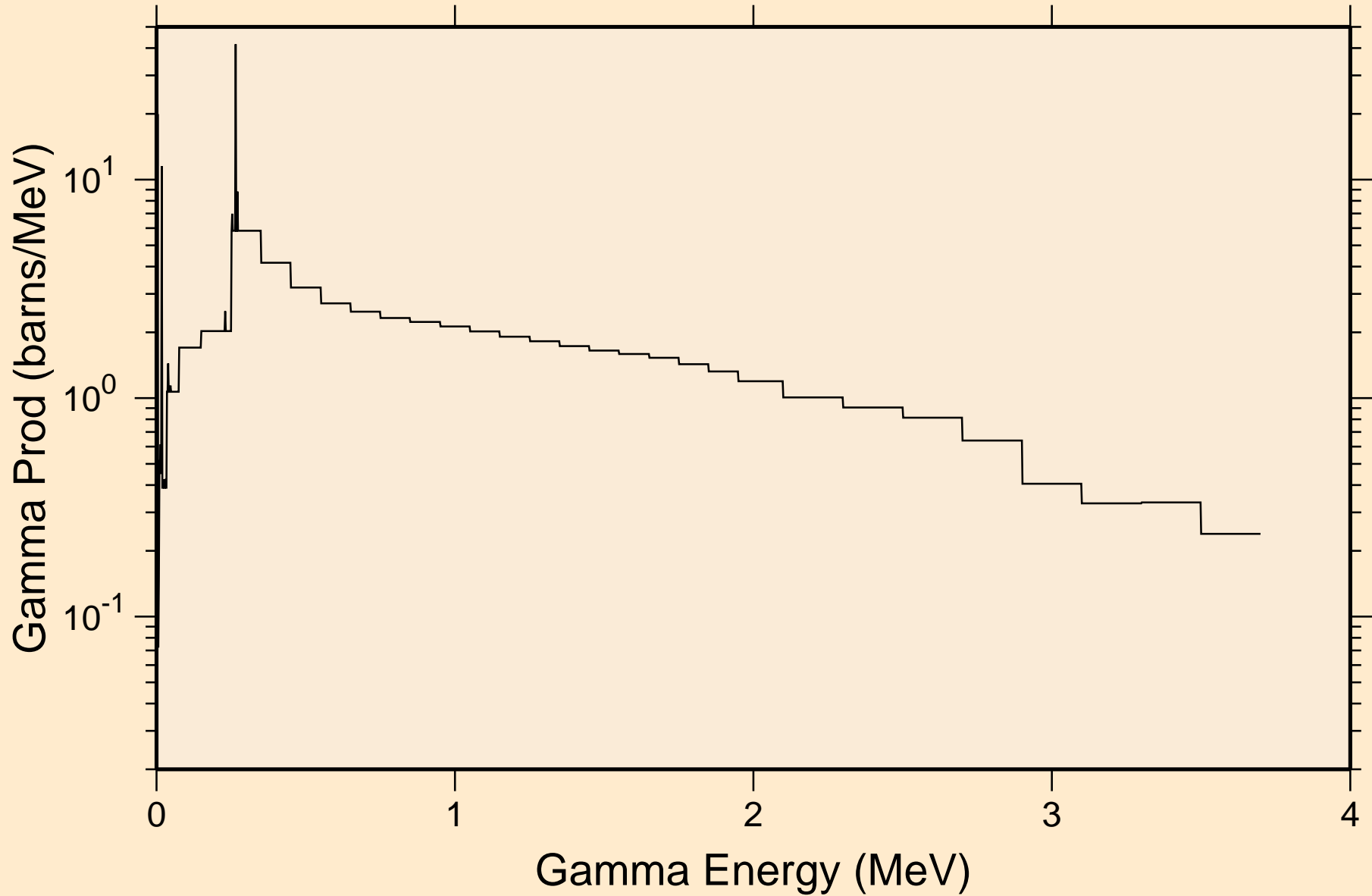




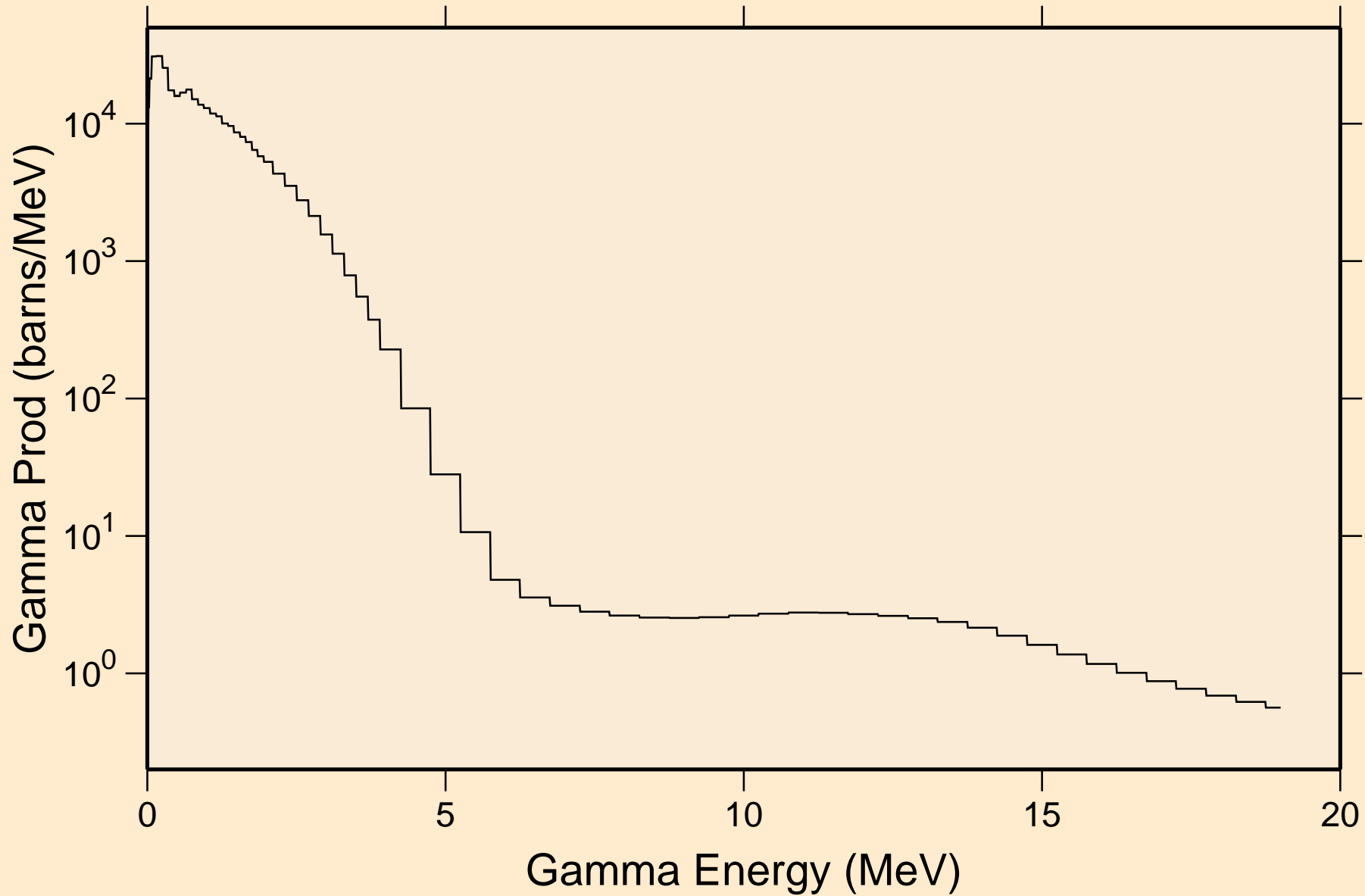
RN224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)



RN224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
thermal capture photon spectrum

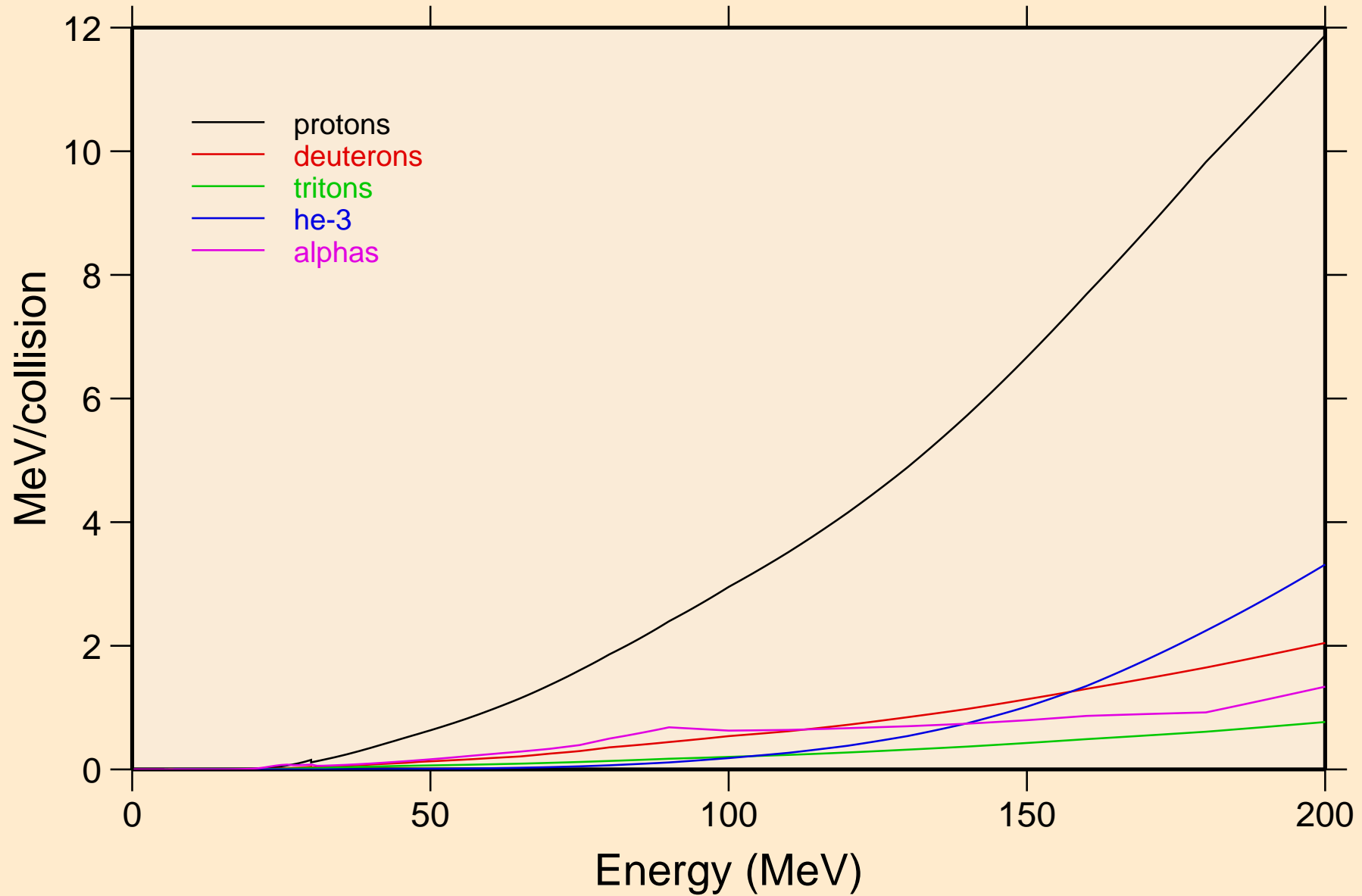


RN224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
14 MeV photon spectrum

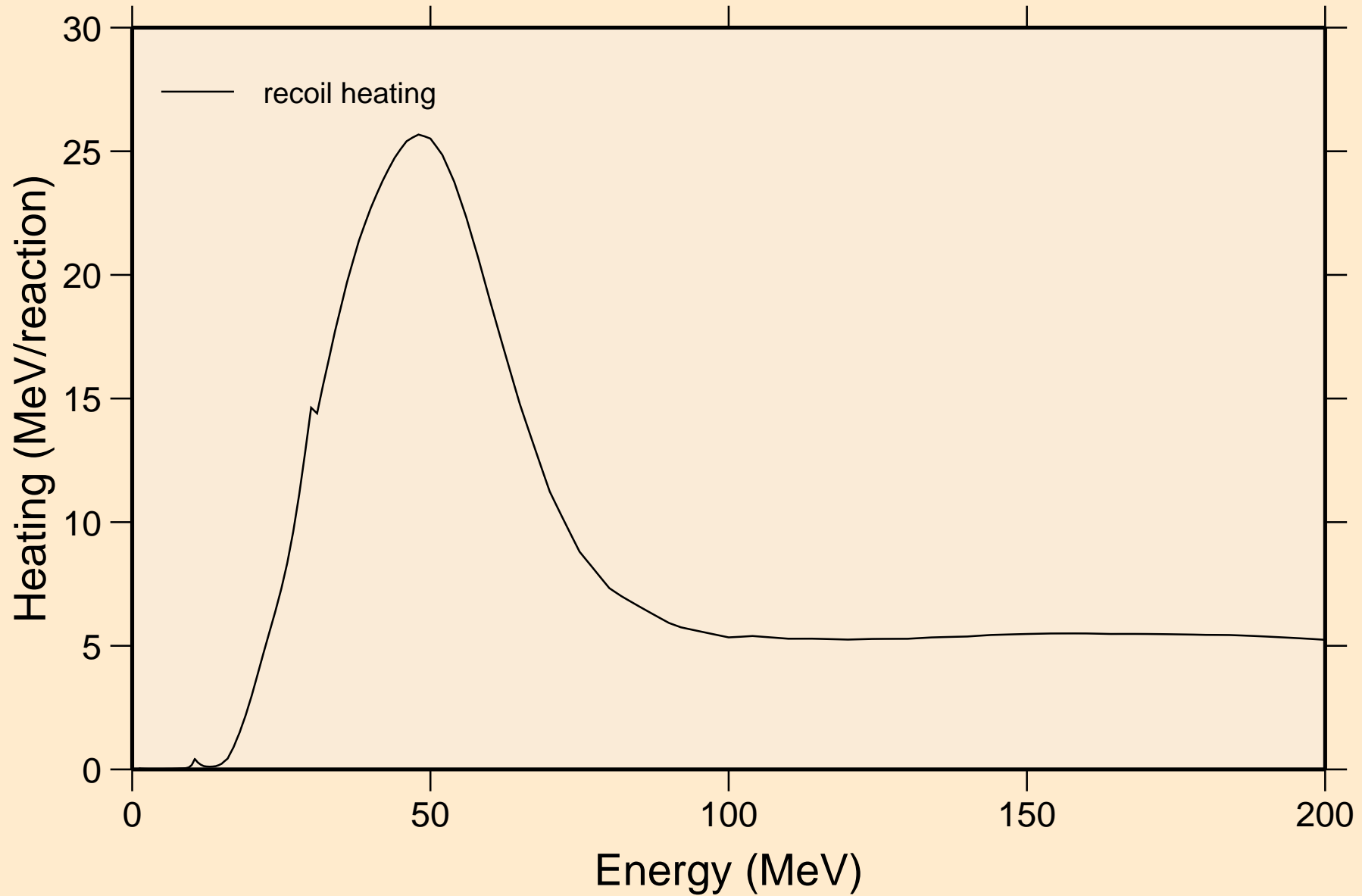


# RN224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Particle heating contributions

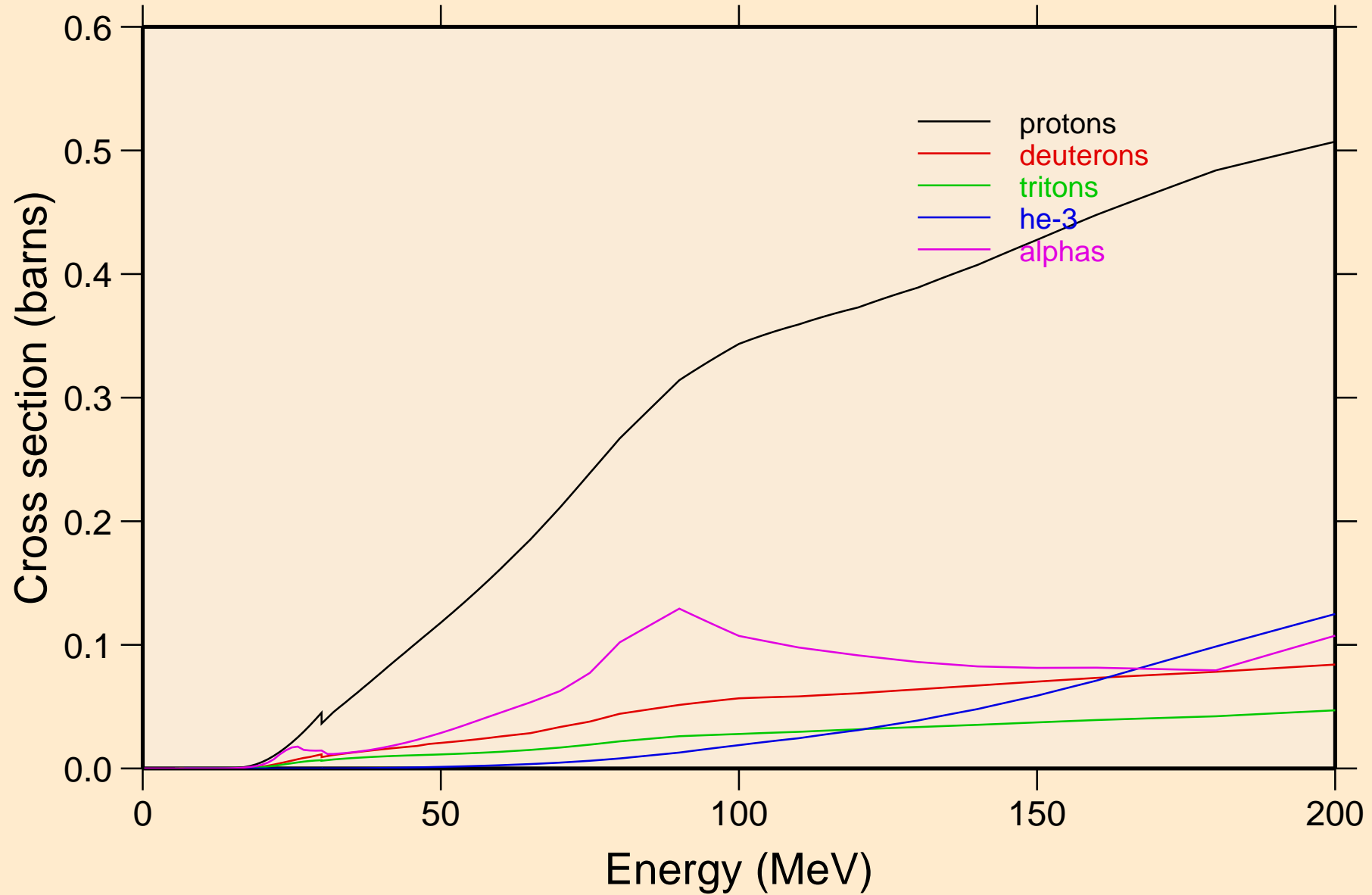


RN224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating

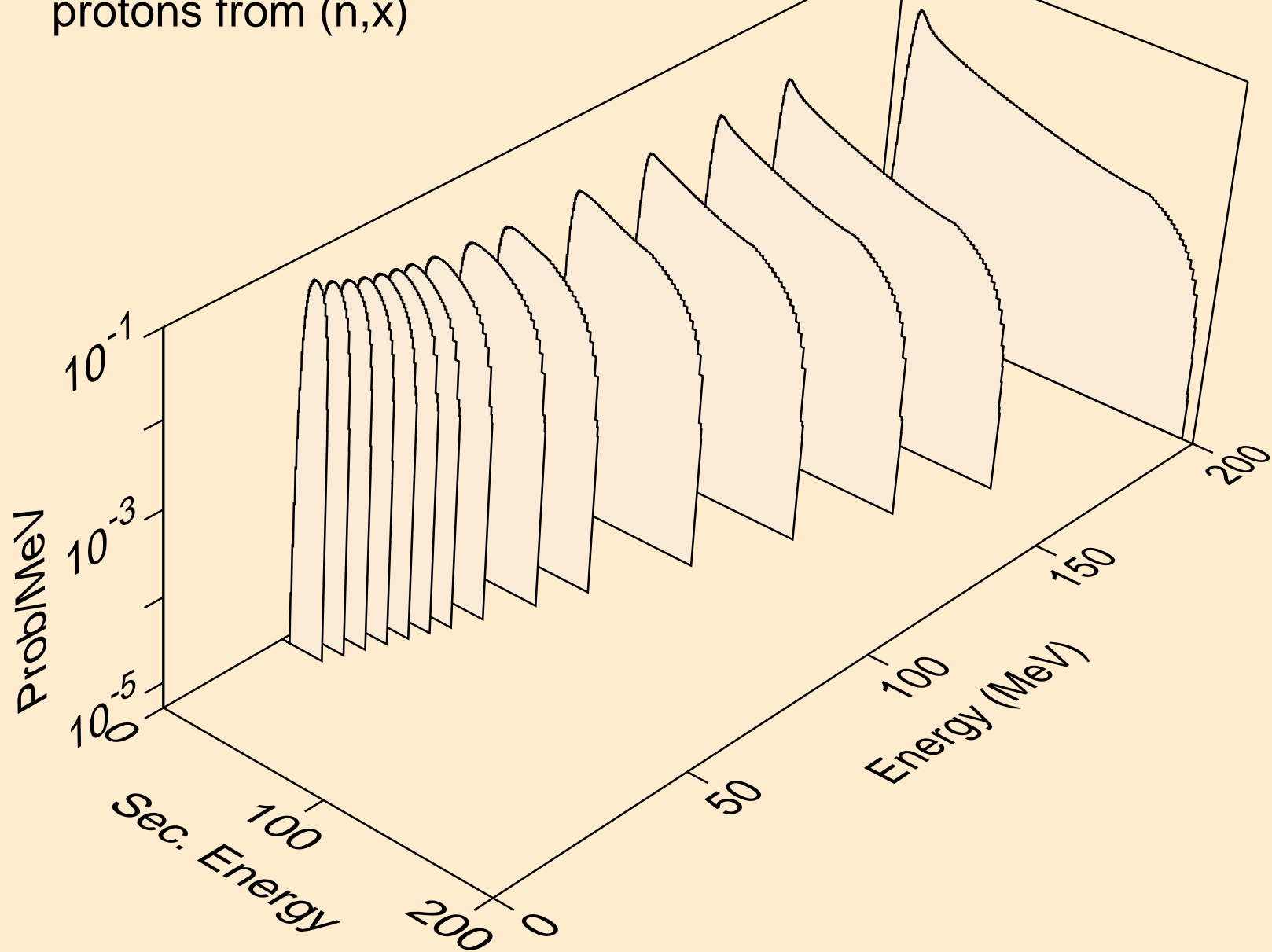


# RN224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

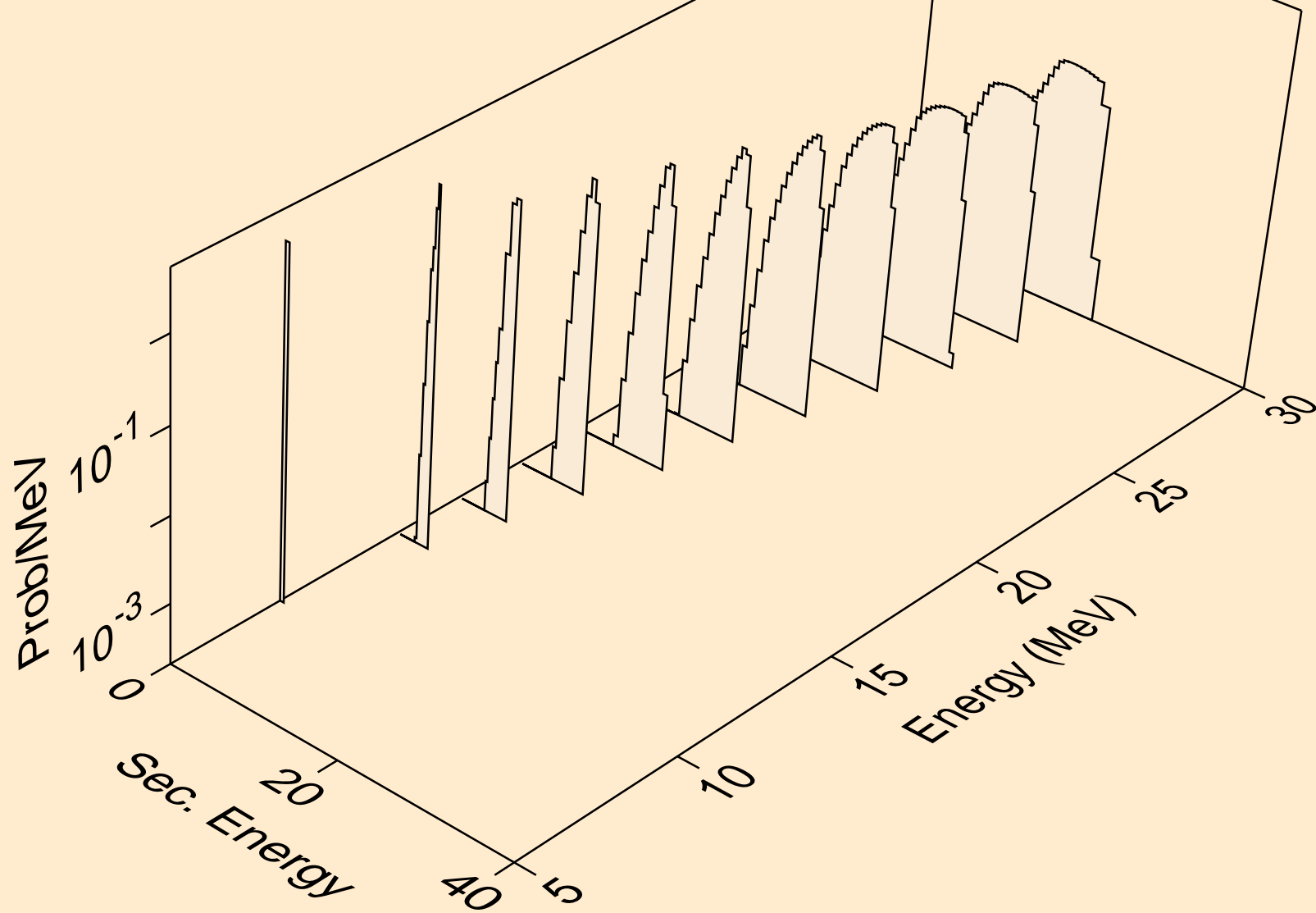
## Particle production cross sections



RN224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,x)

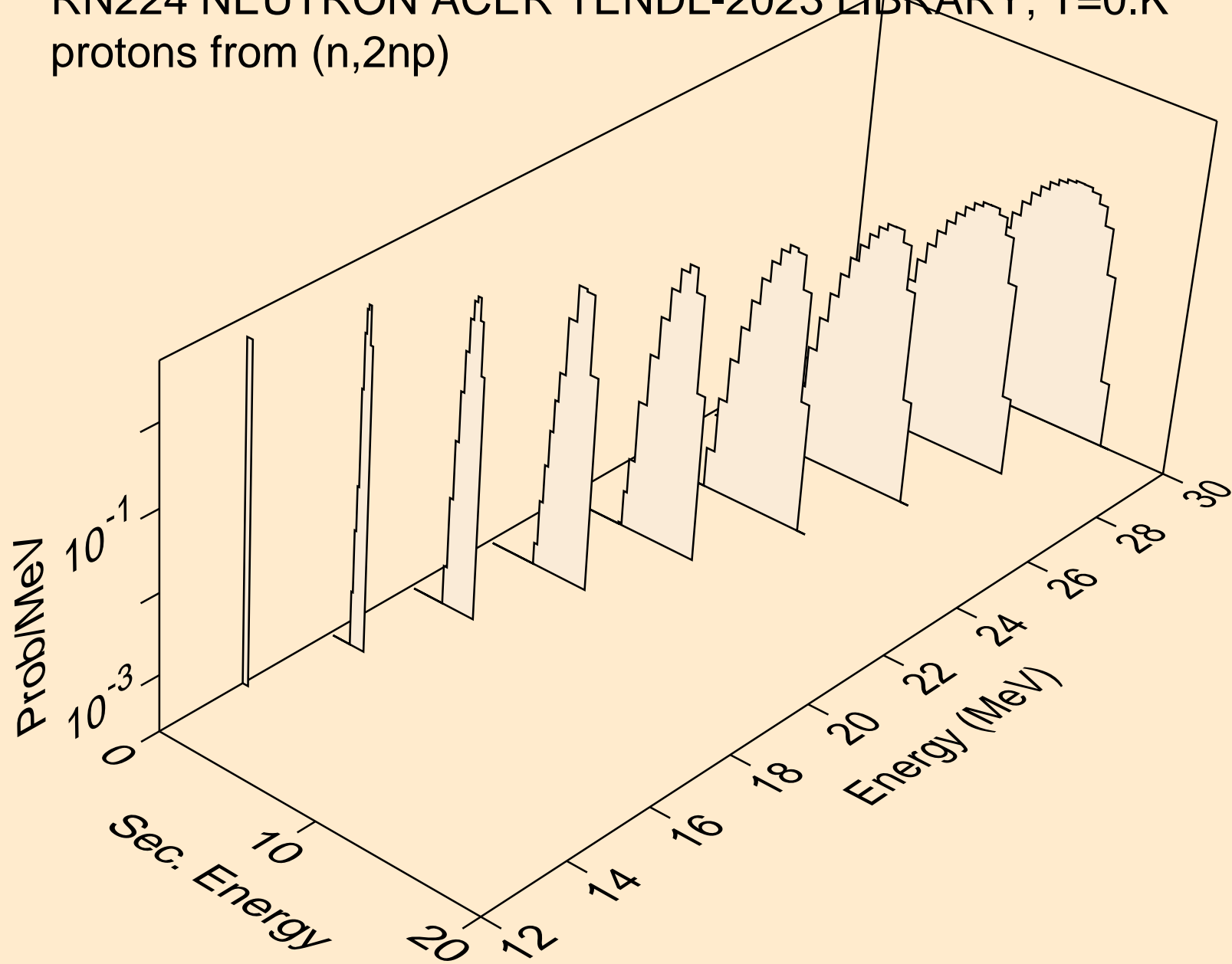


RN224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n\*)p

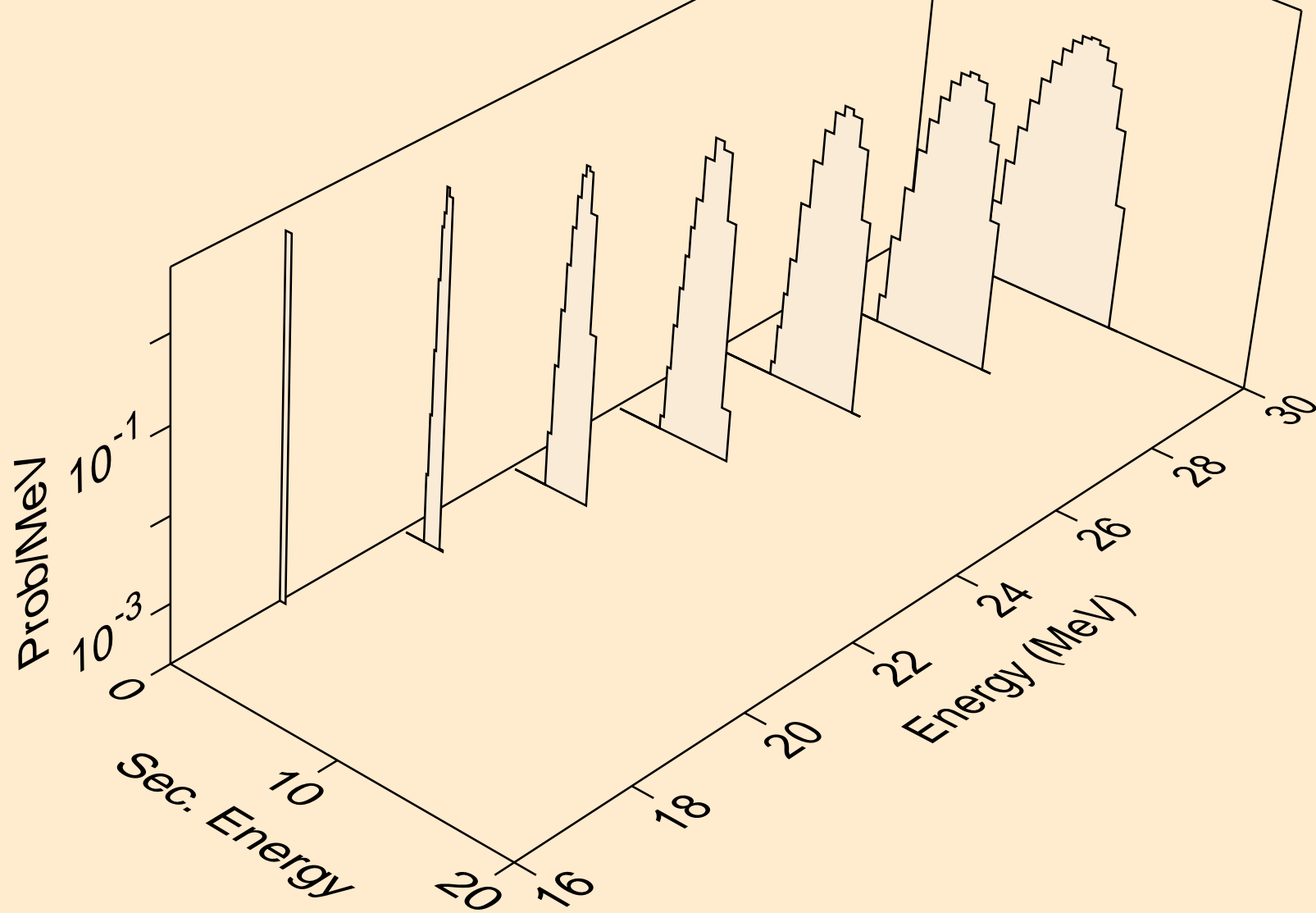




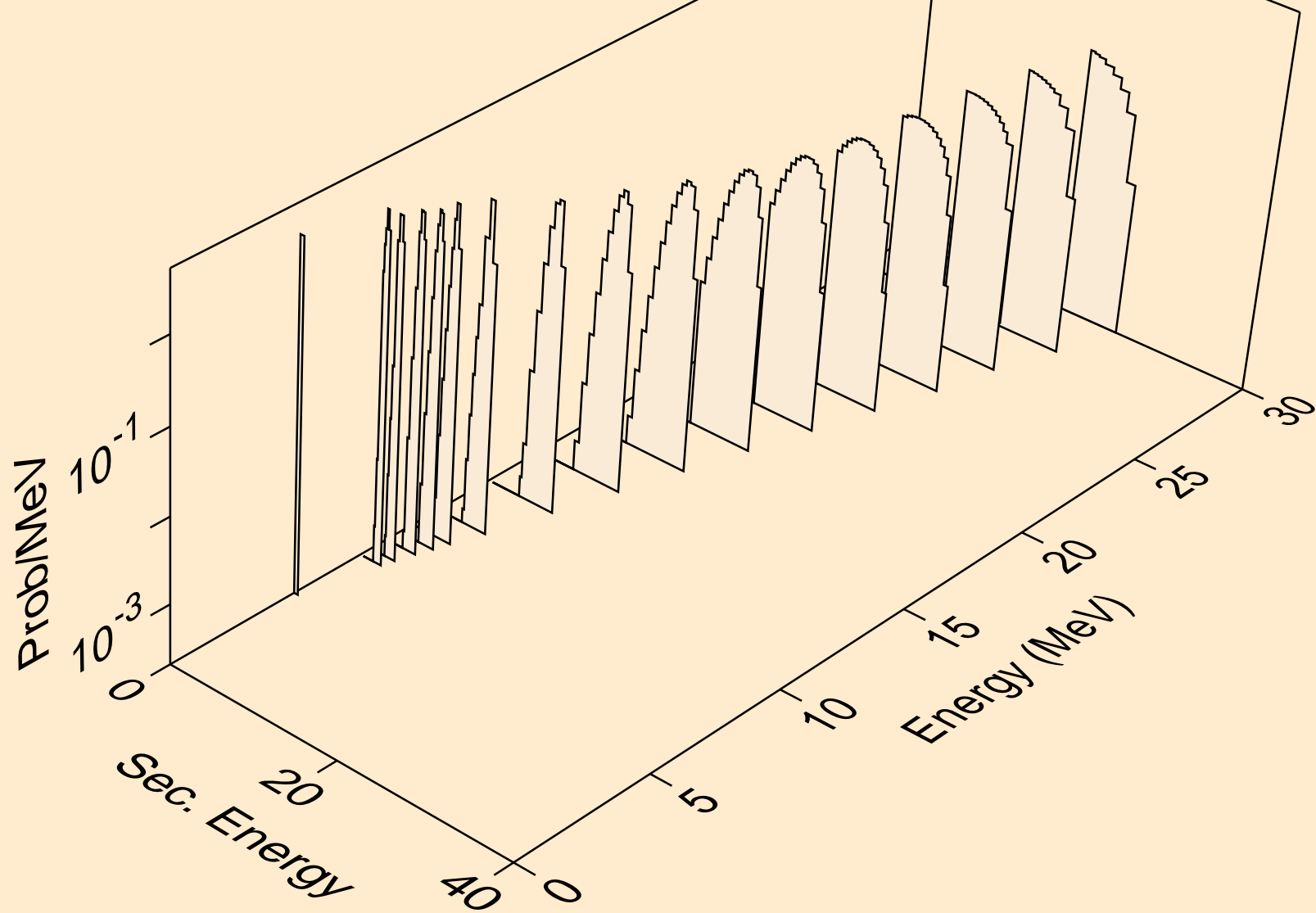
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protons from (n,2np)



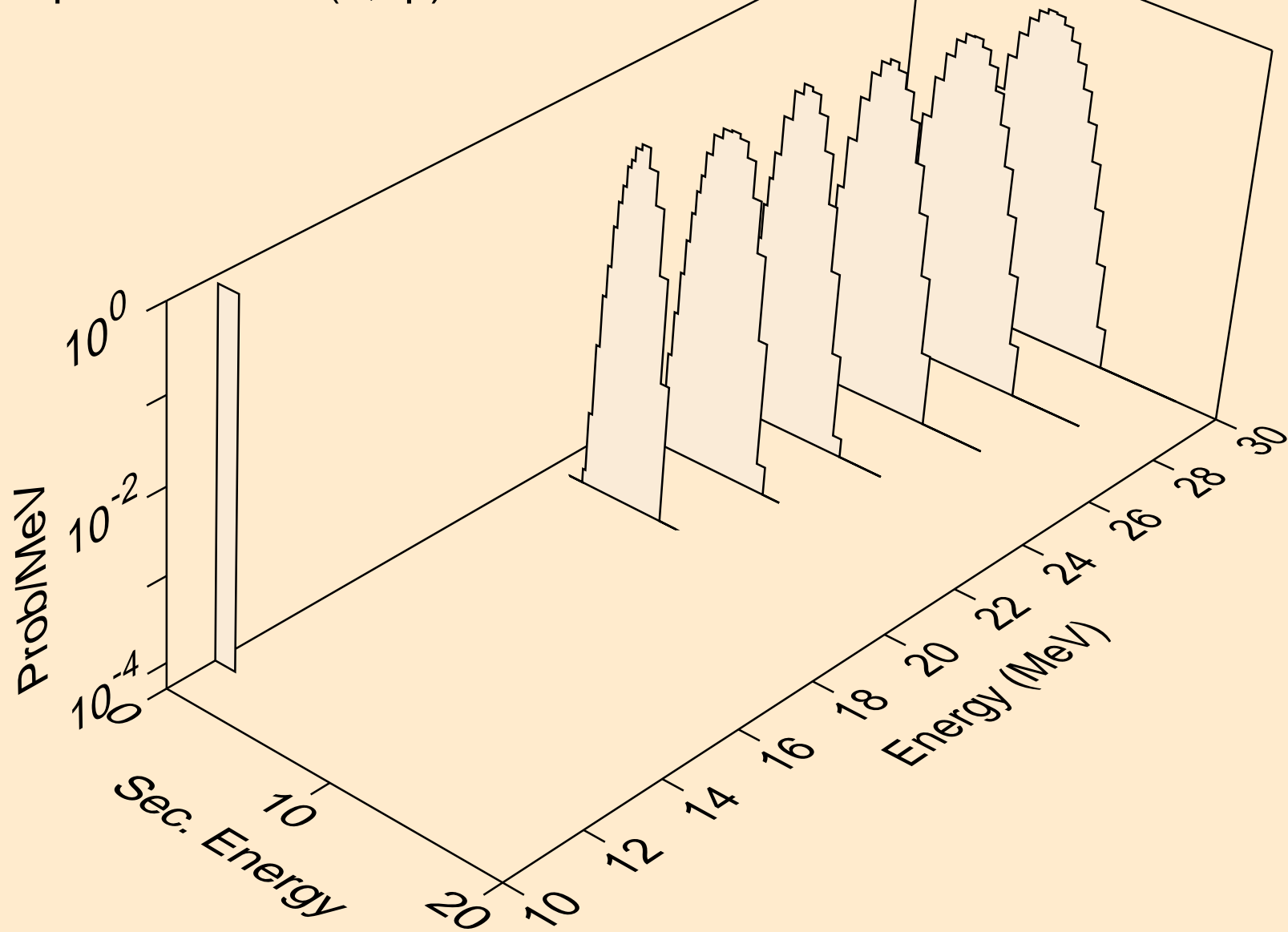
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protons from (n,3np)



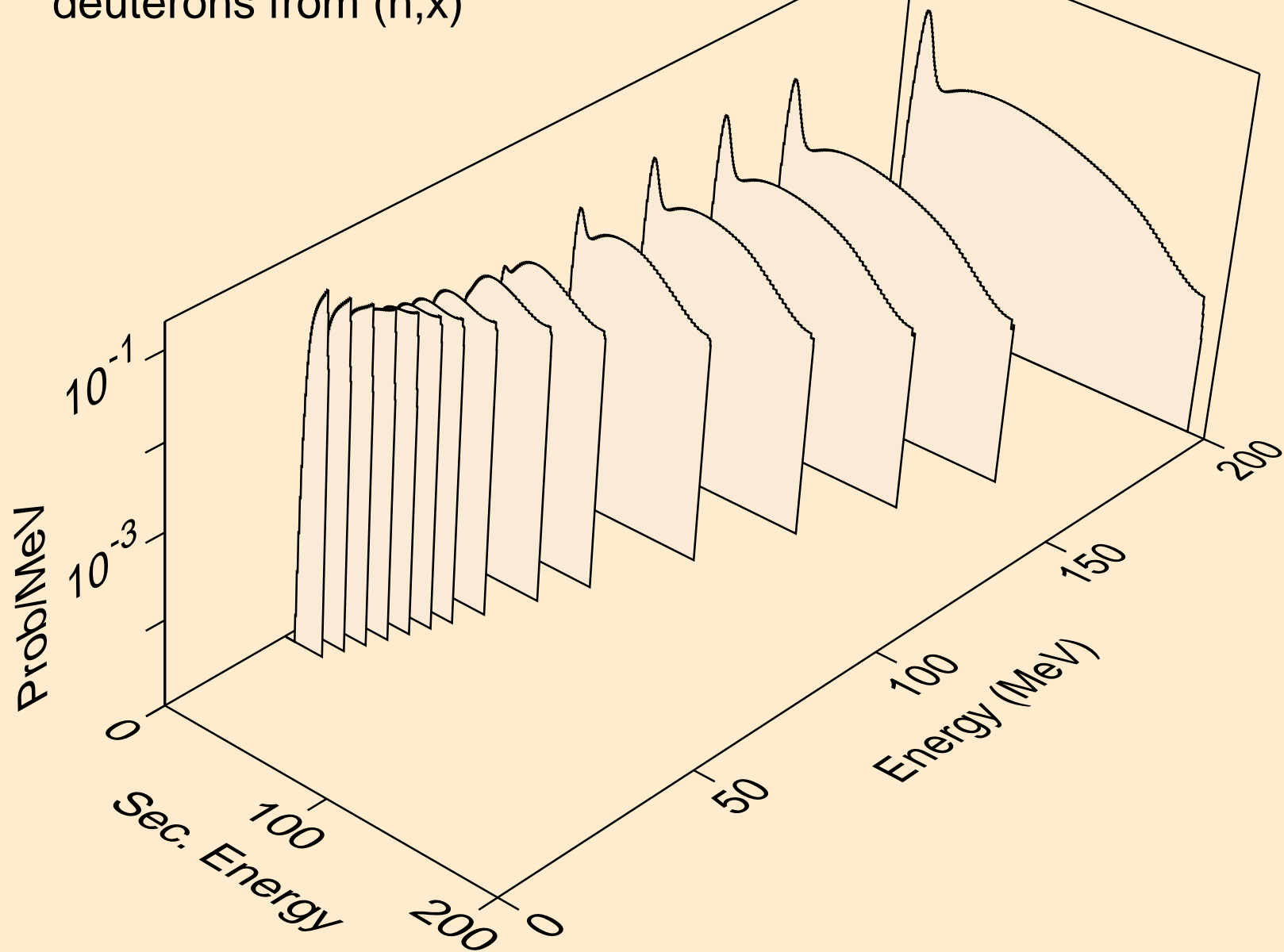
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protons from (n,p)



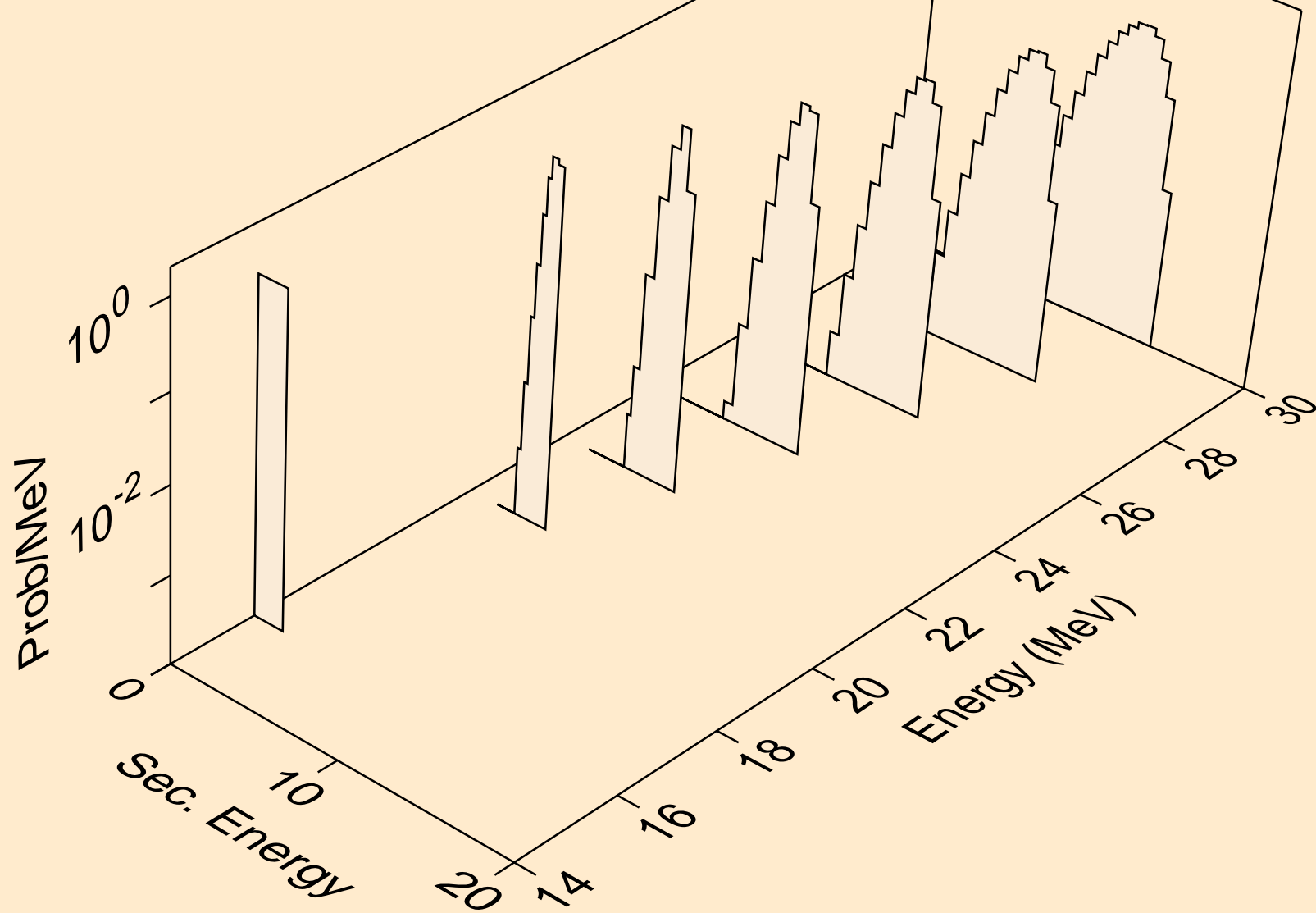
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protons from (n,2p)



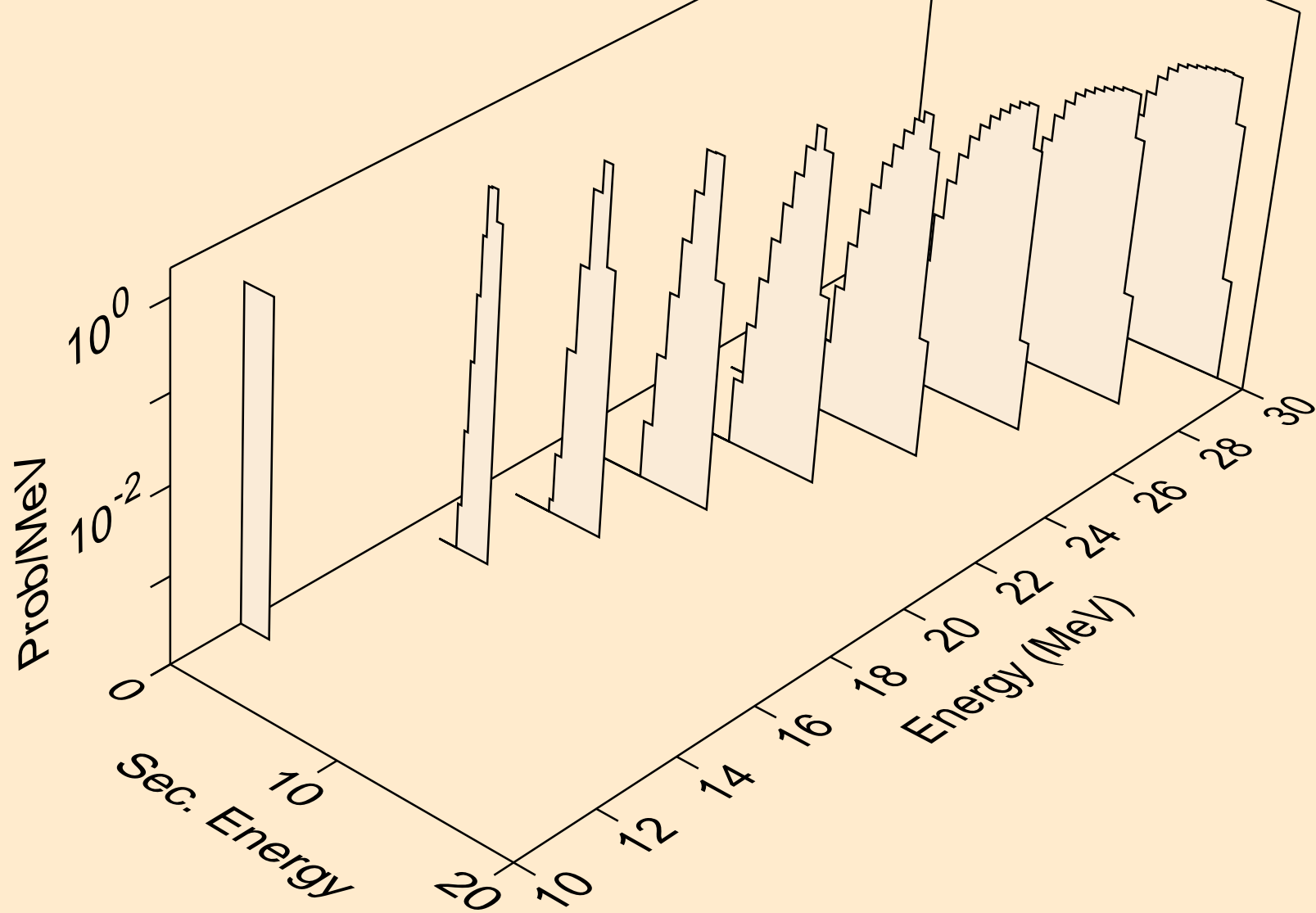
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deuterons from (n,x)



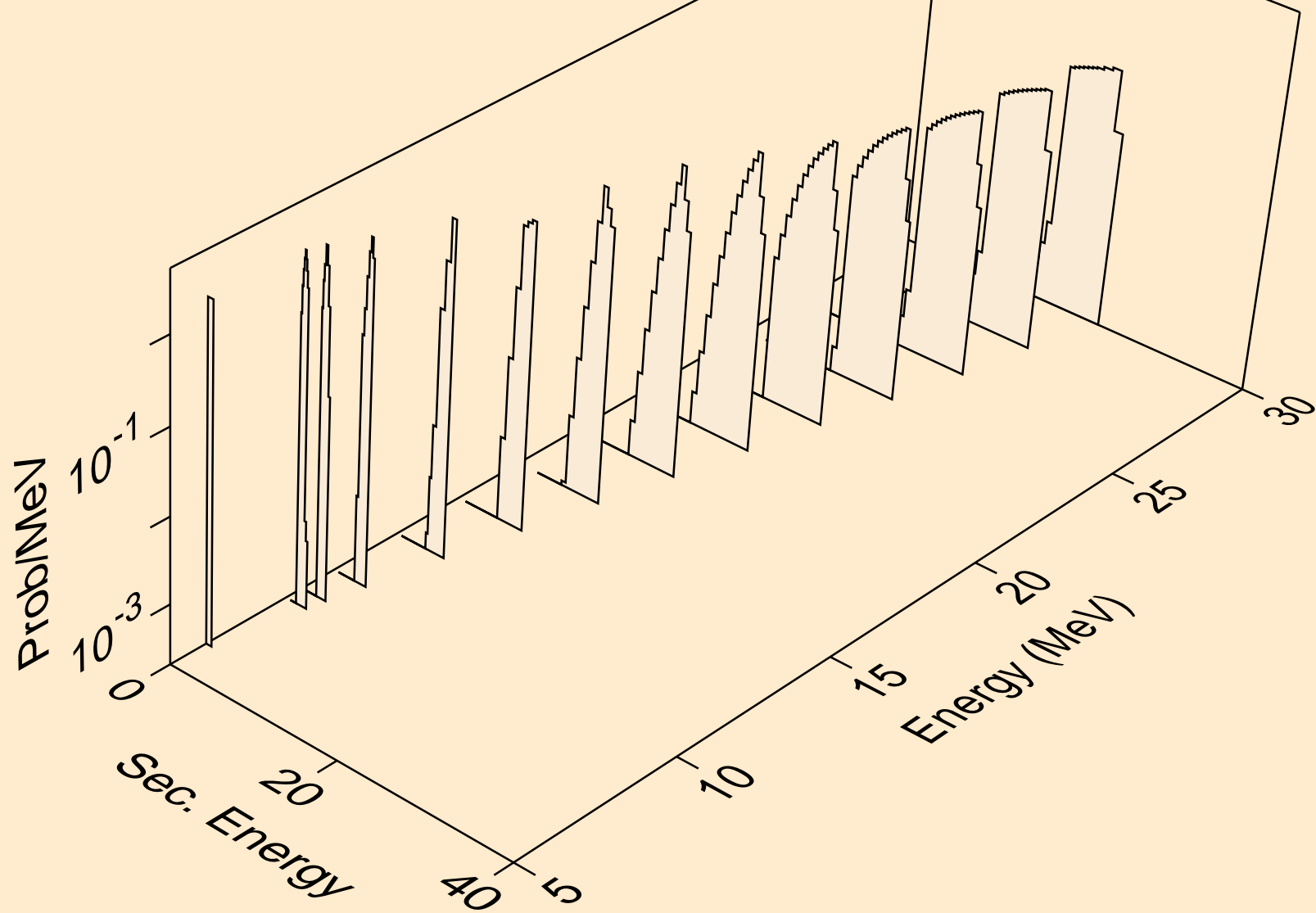
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deuterons from (n,2nd)



RN224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,n\*)d

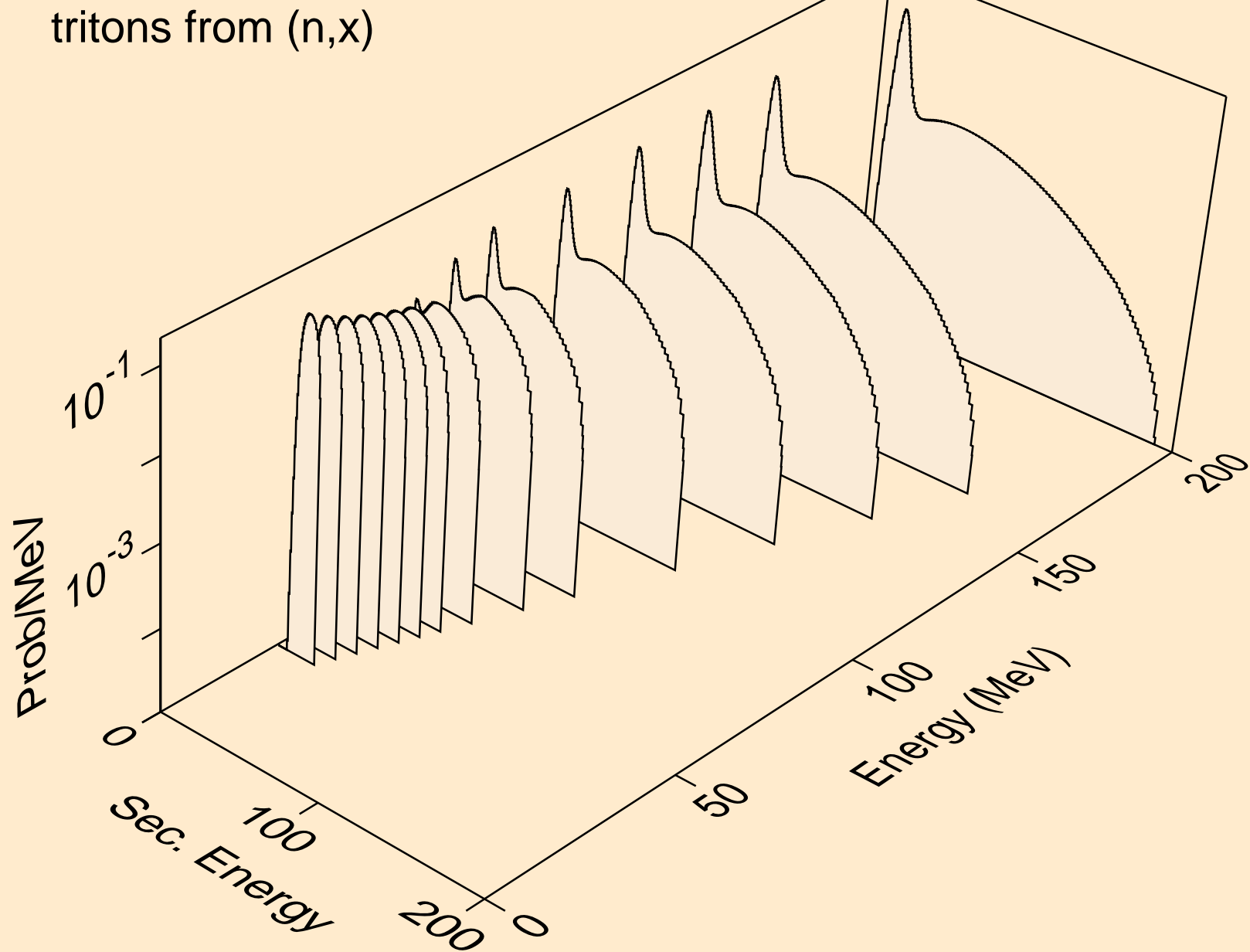


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deuterons from (n,d)

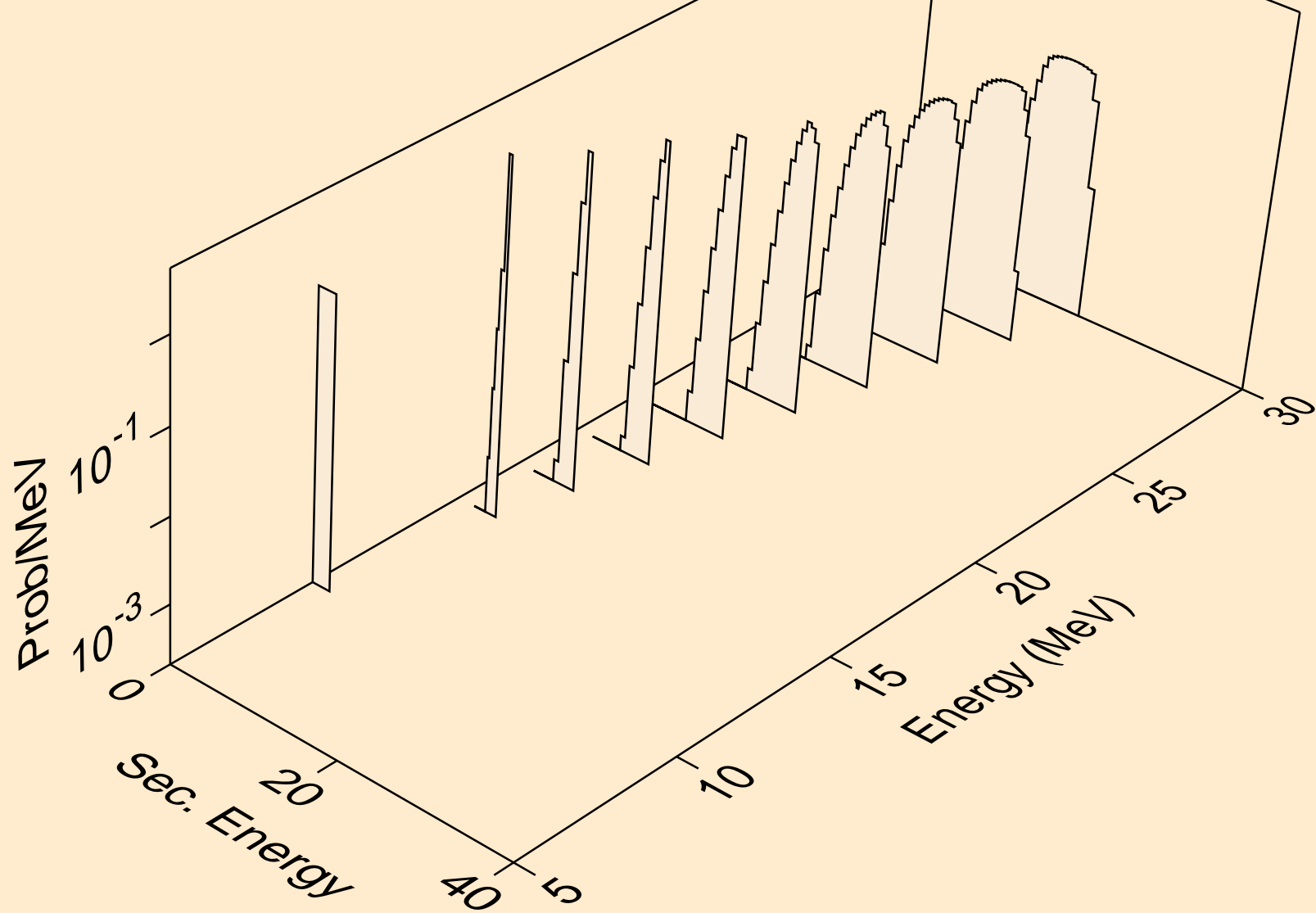




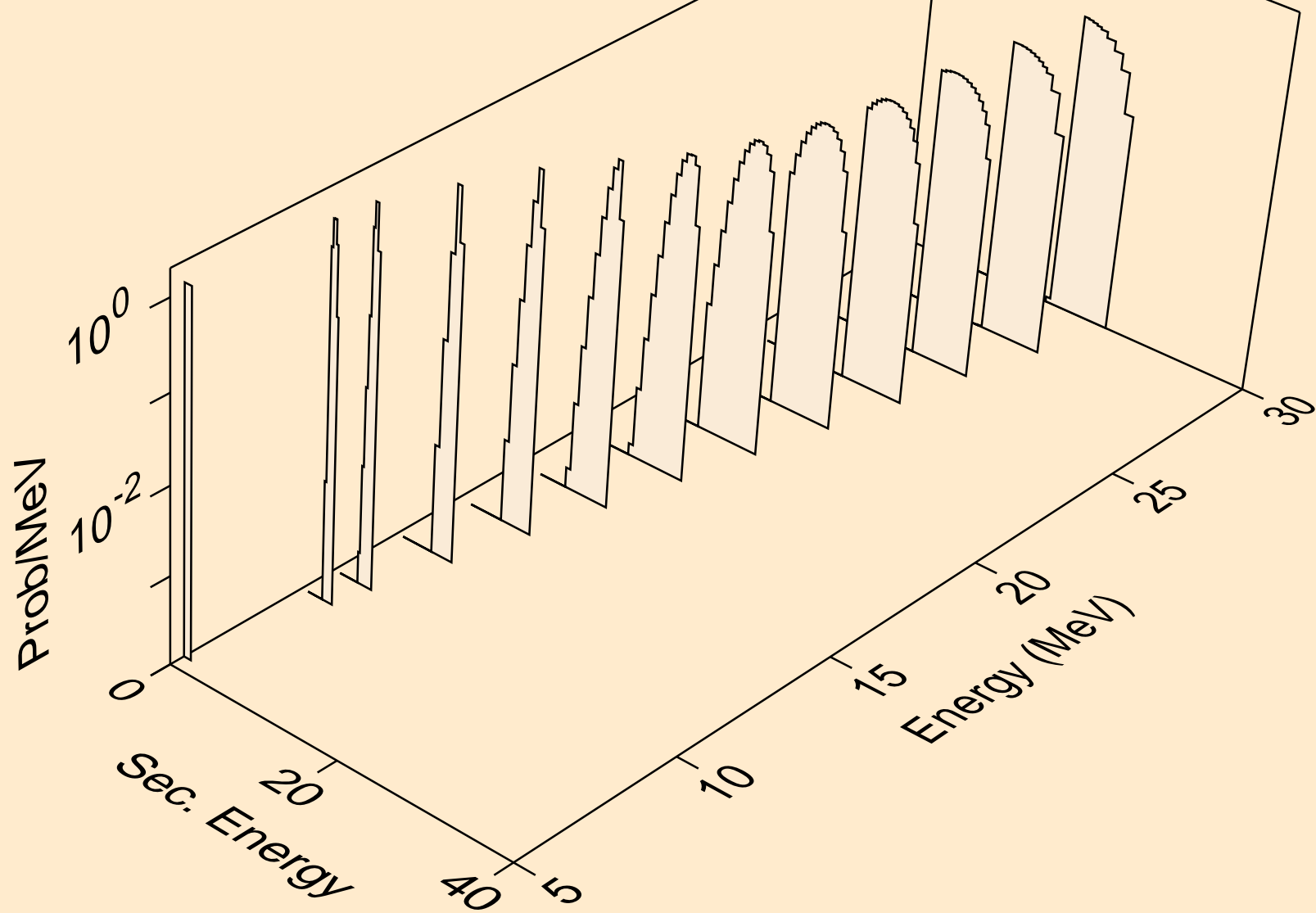
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tritons from (n,x)



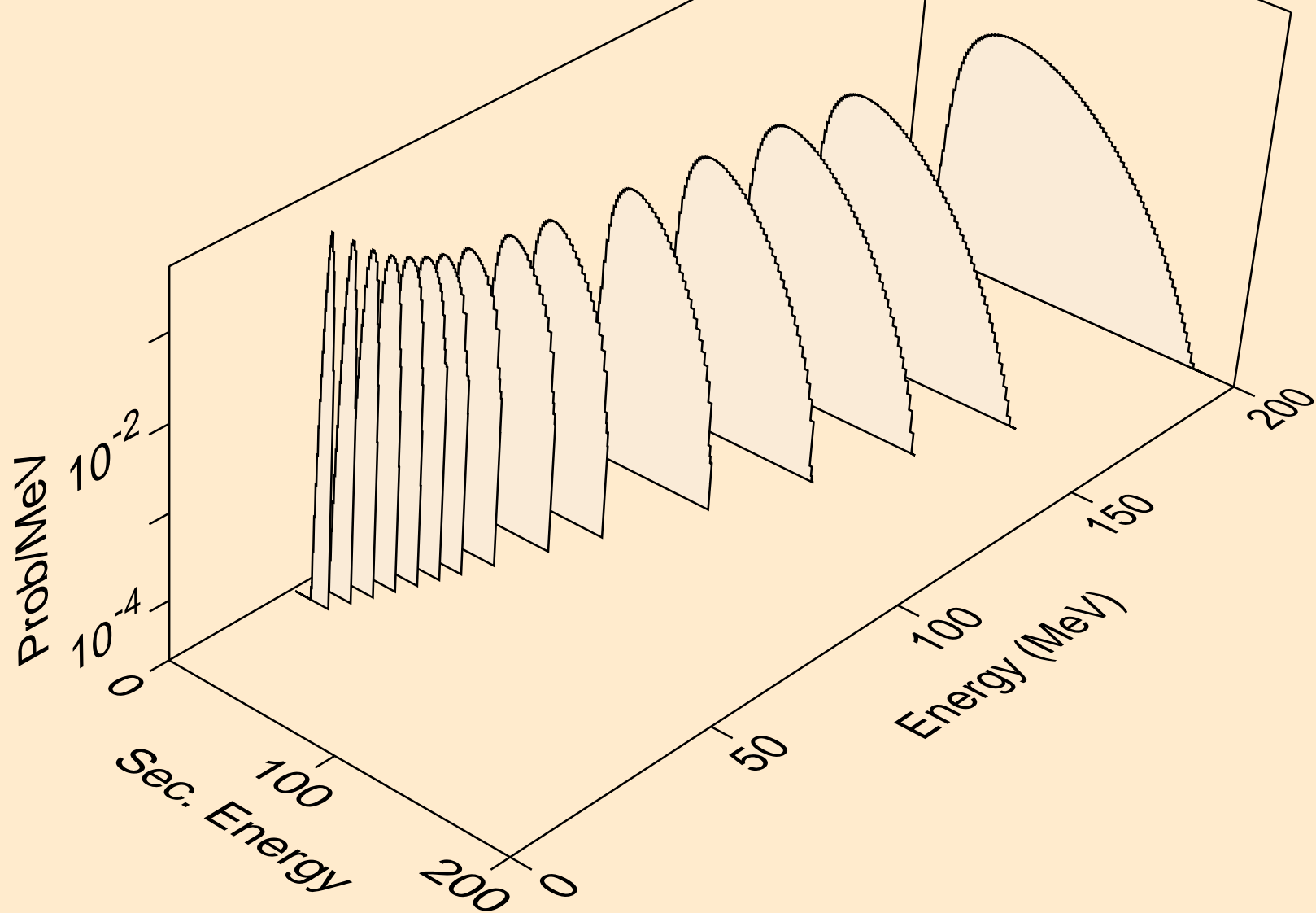
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tritons from (n,n\*)t



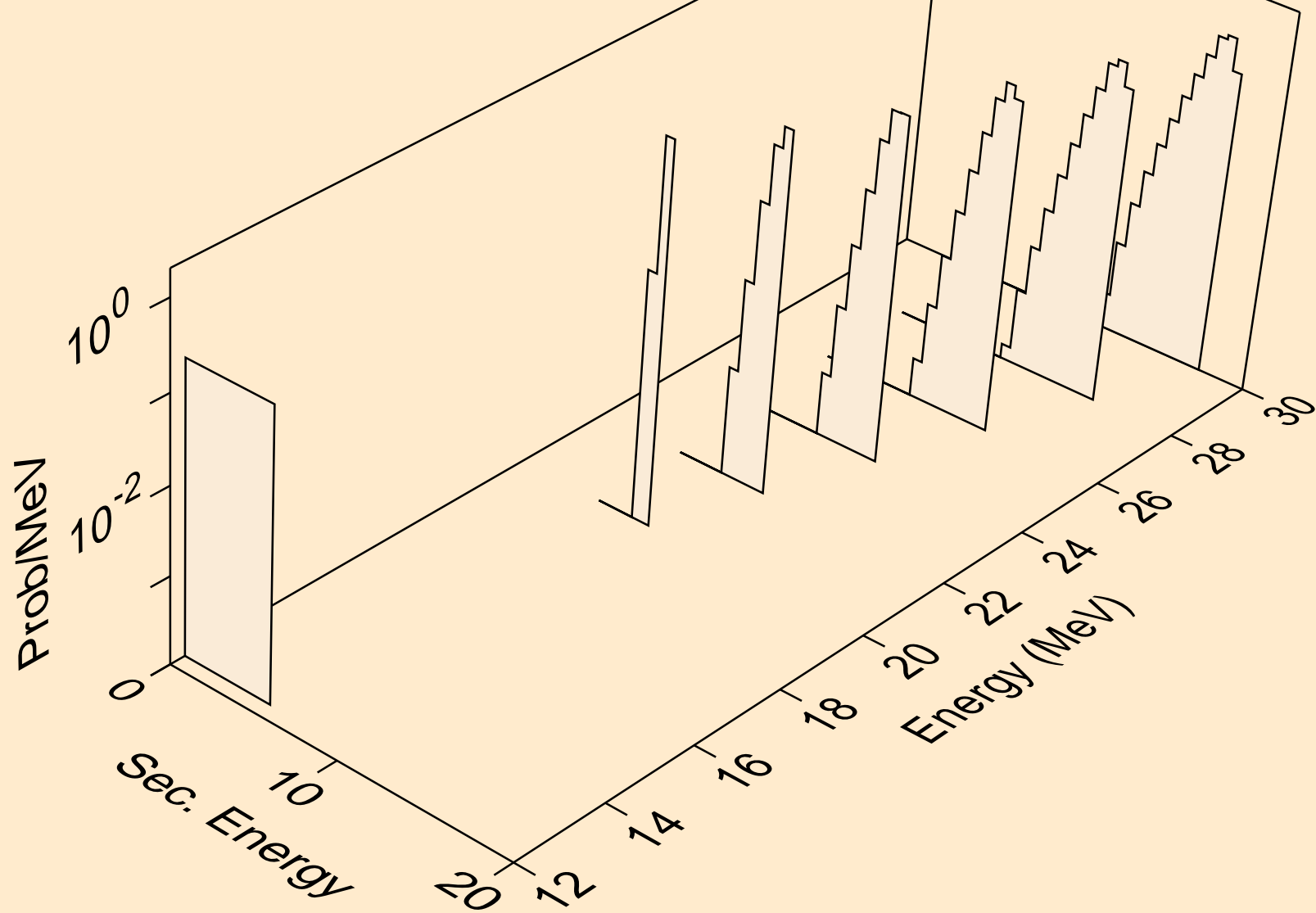
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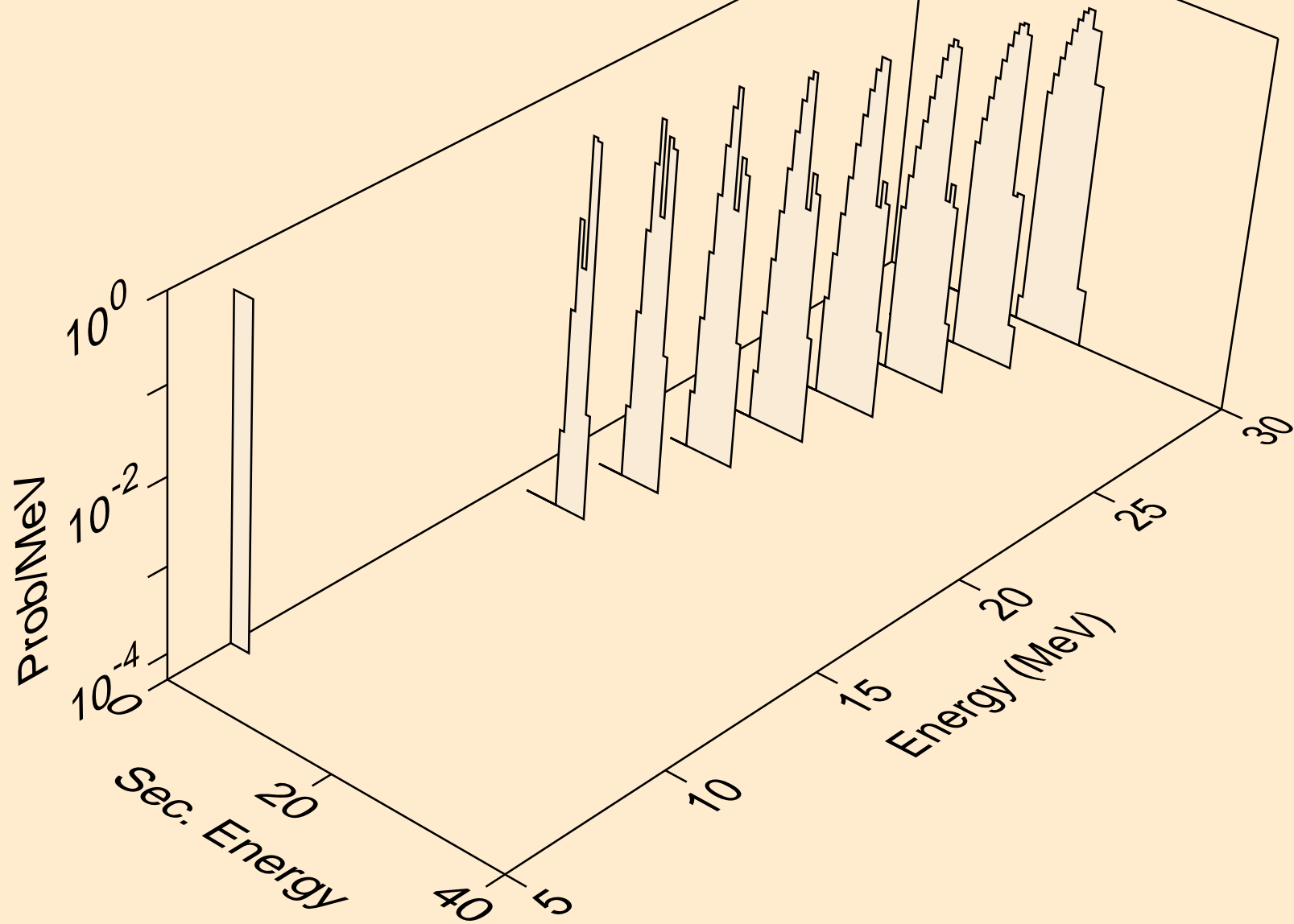
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he3s from (n,x)



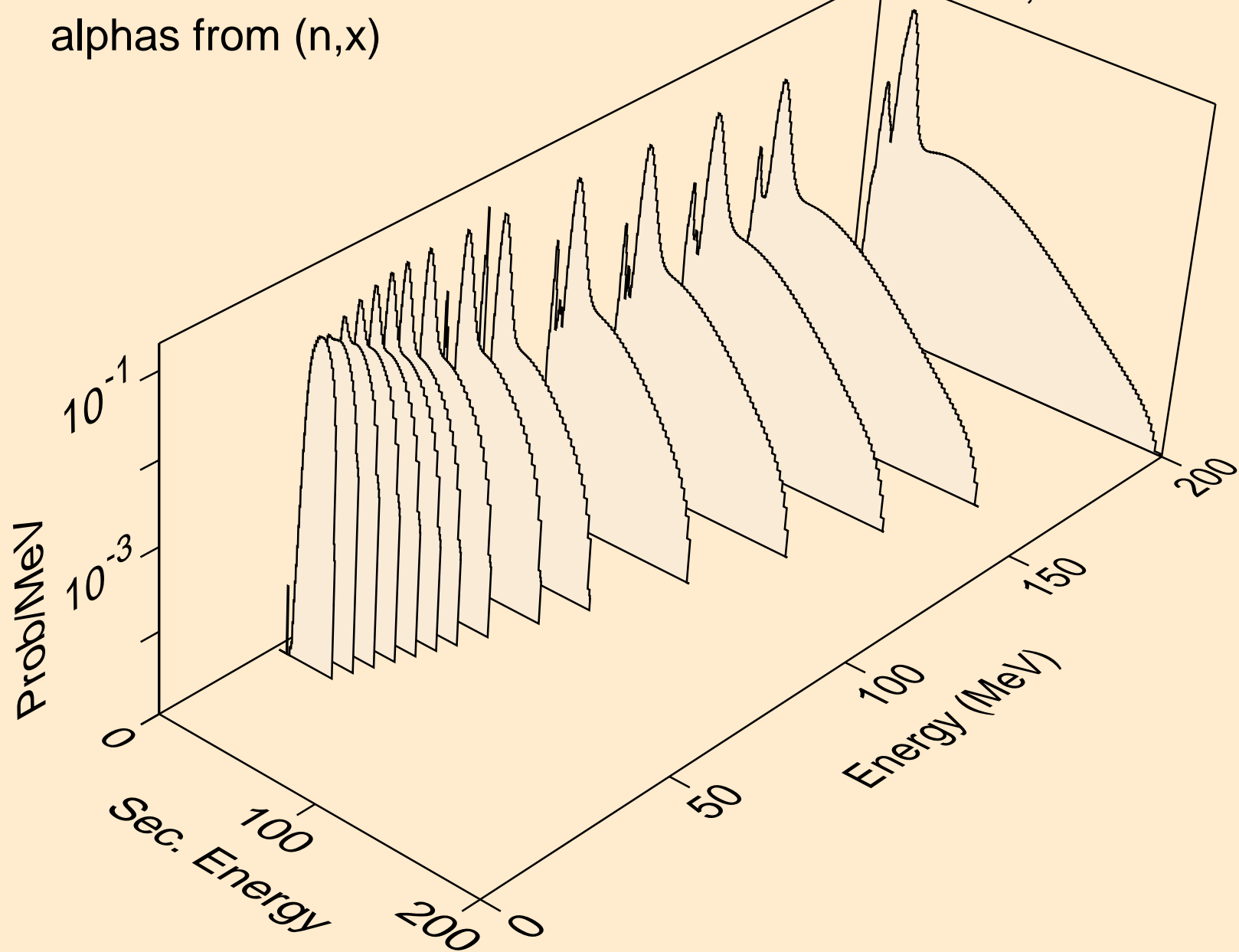
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he3s from (n,n\*)he3



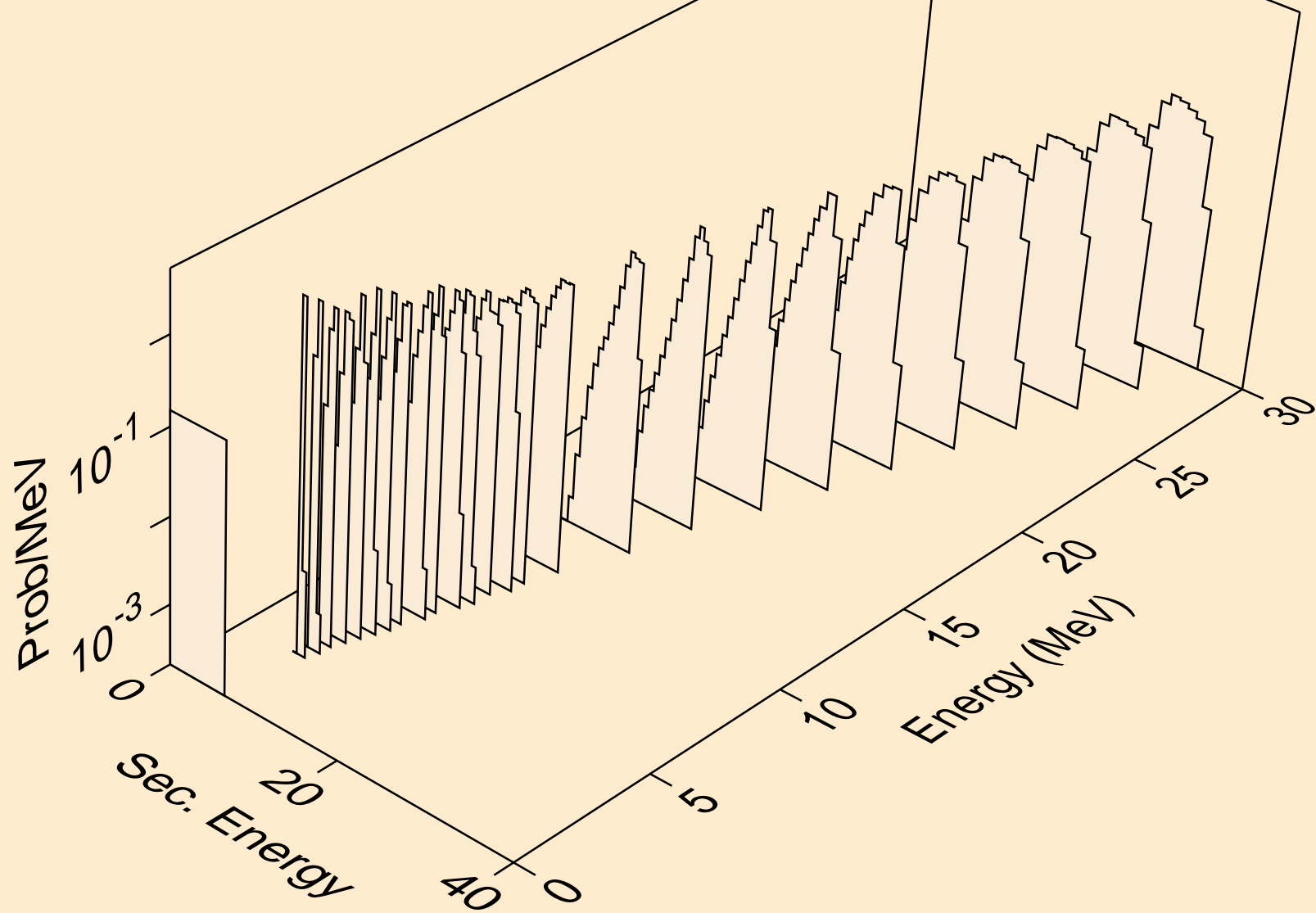
RN224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,he3)



RN224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,x)

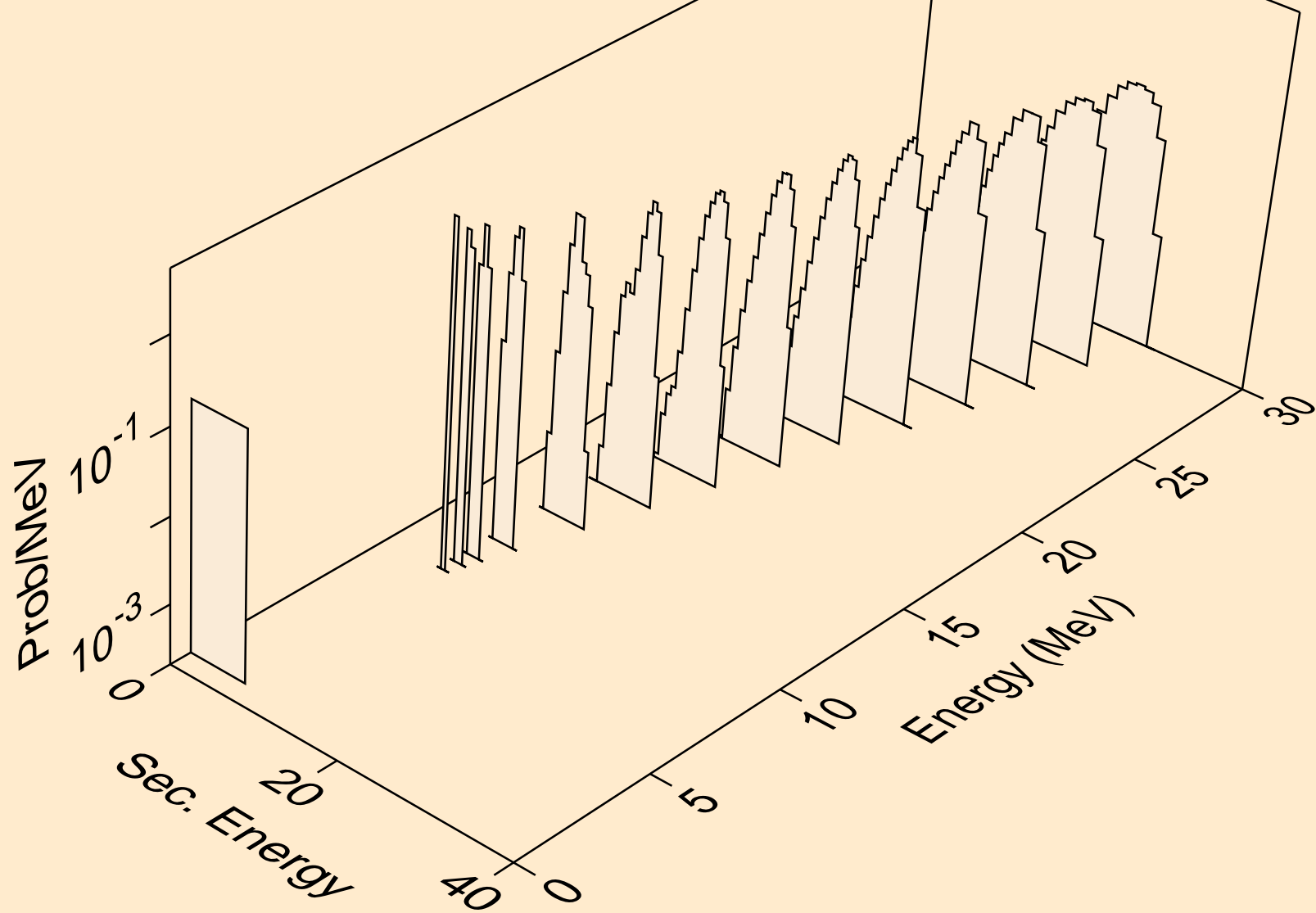


RN224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)a

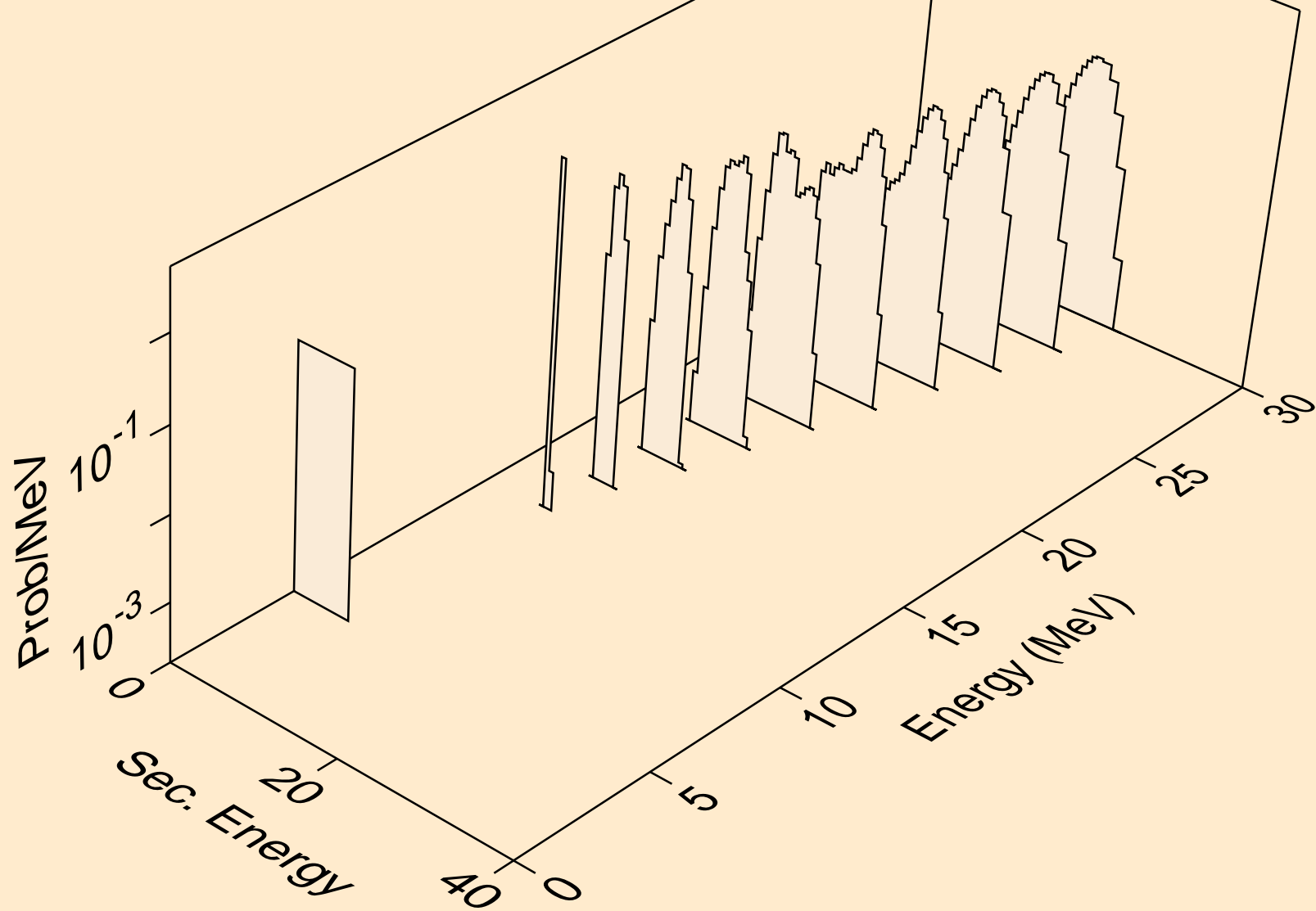




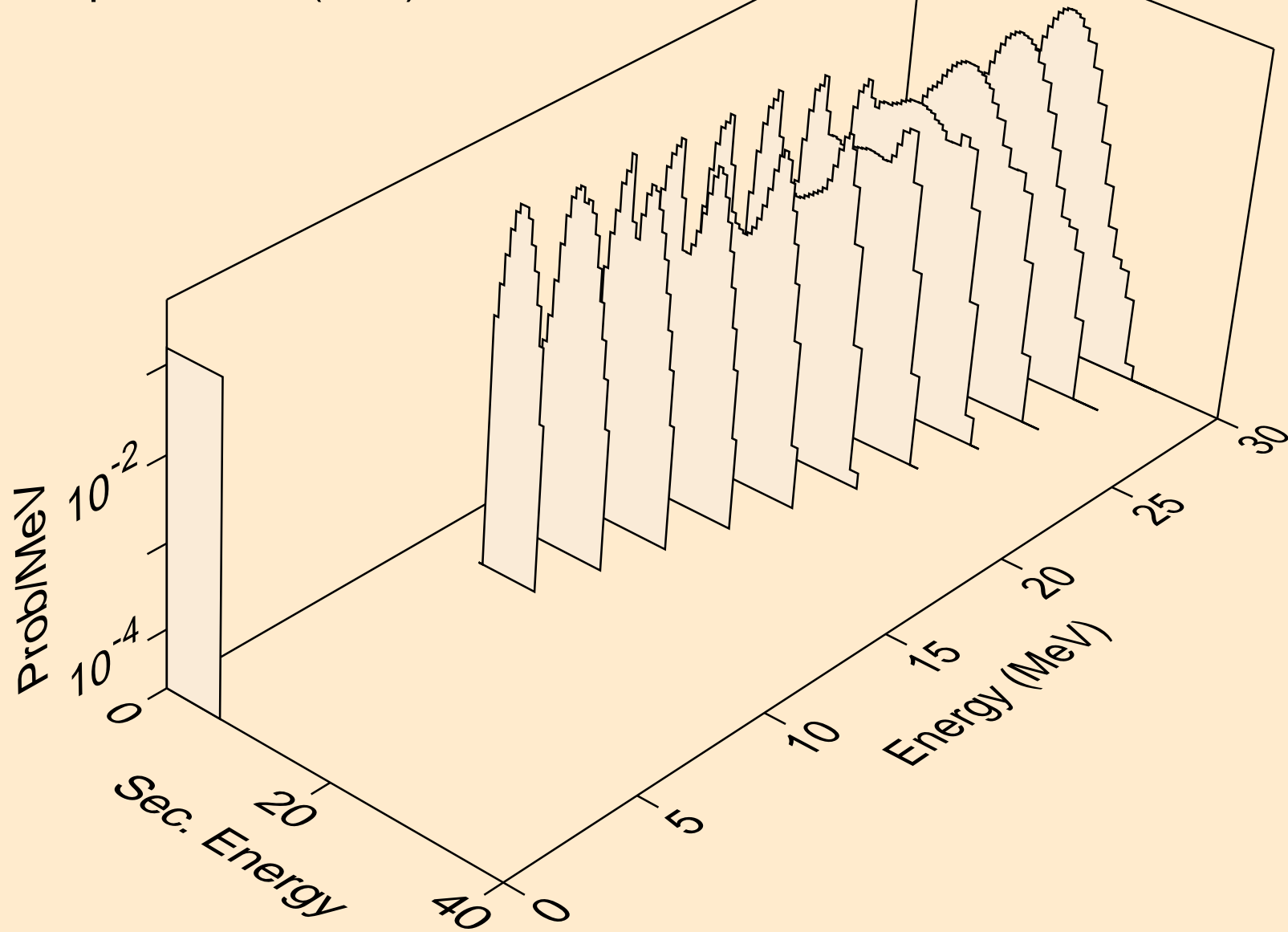
RN224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2n)a



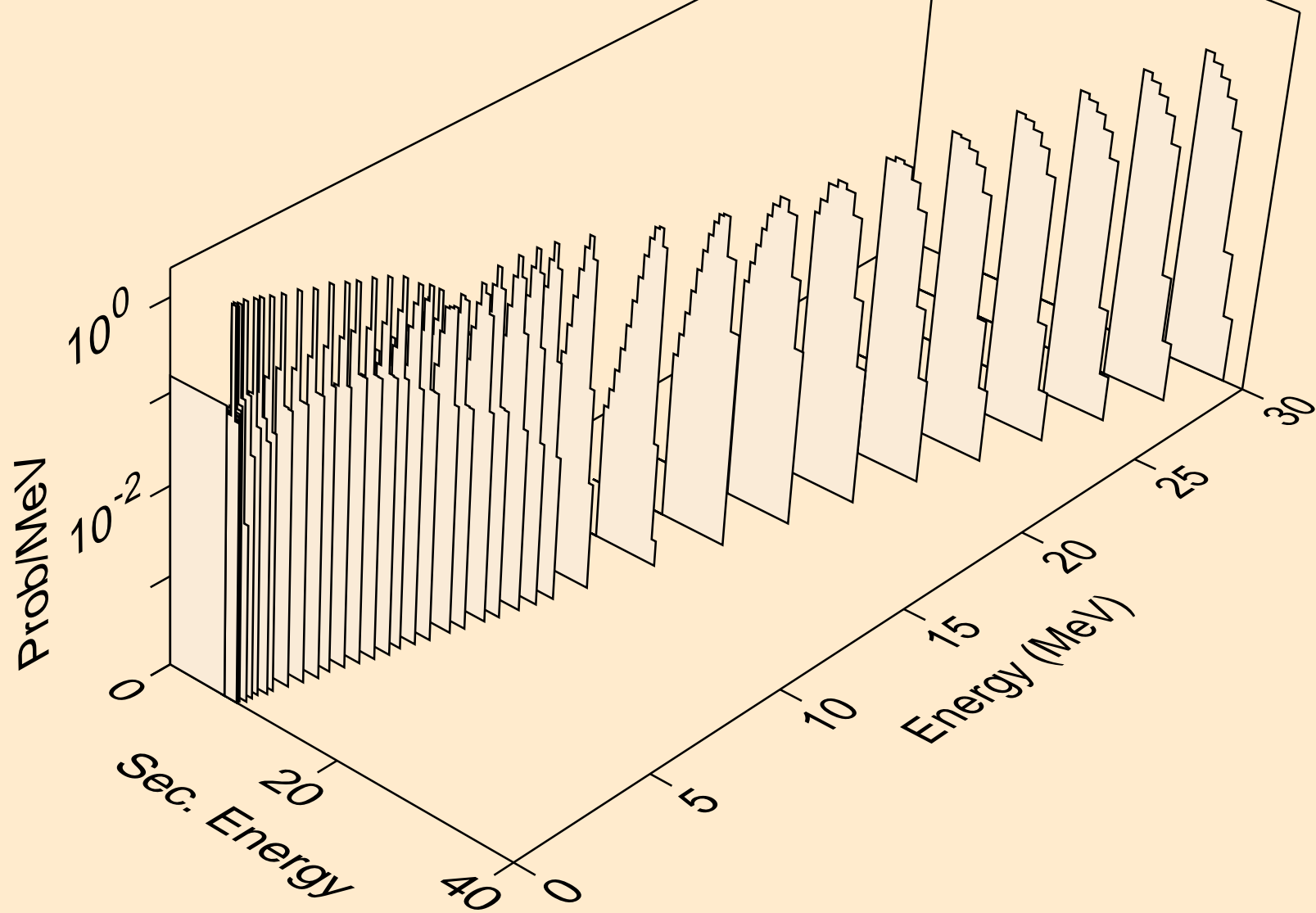
RN224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,3n)a



RN224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)2a



RN224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,a)



RN224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2a)

