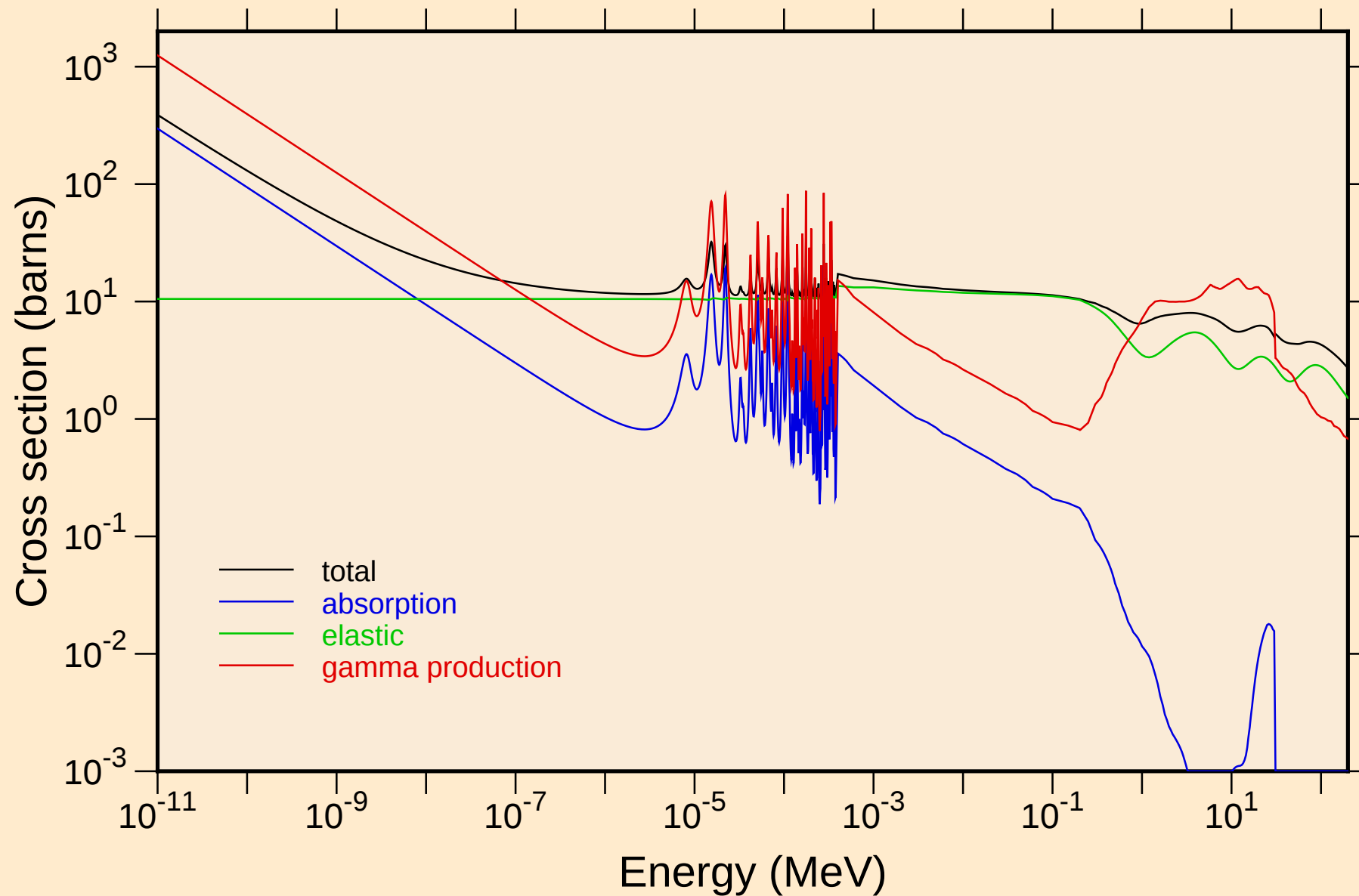
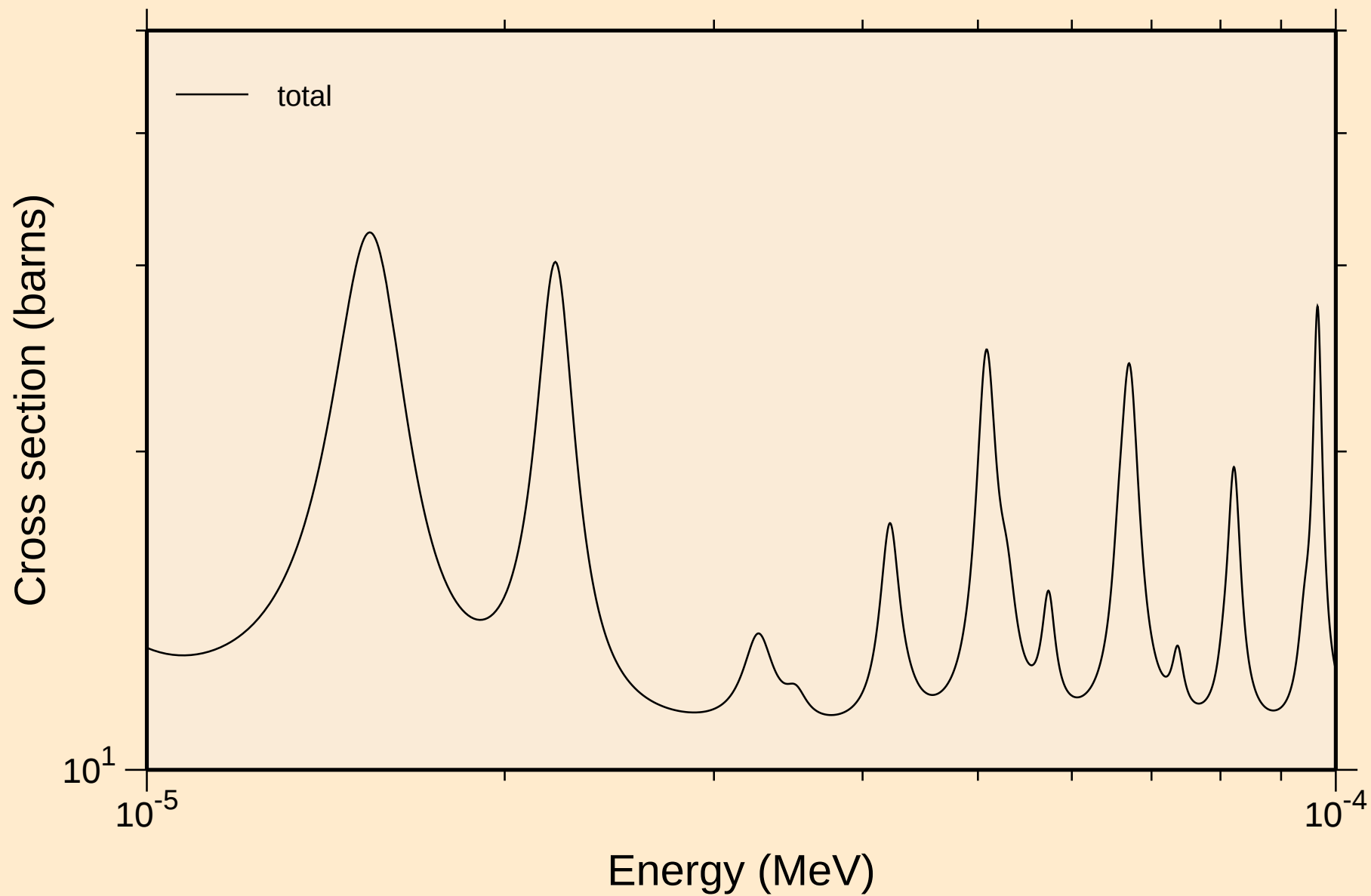


# PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

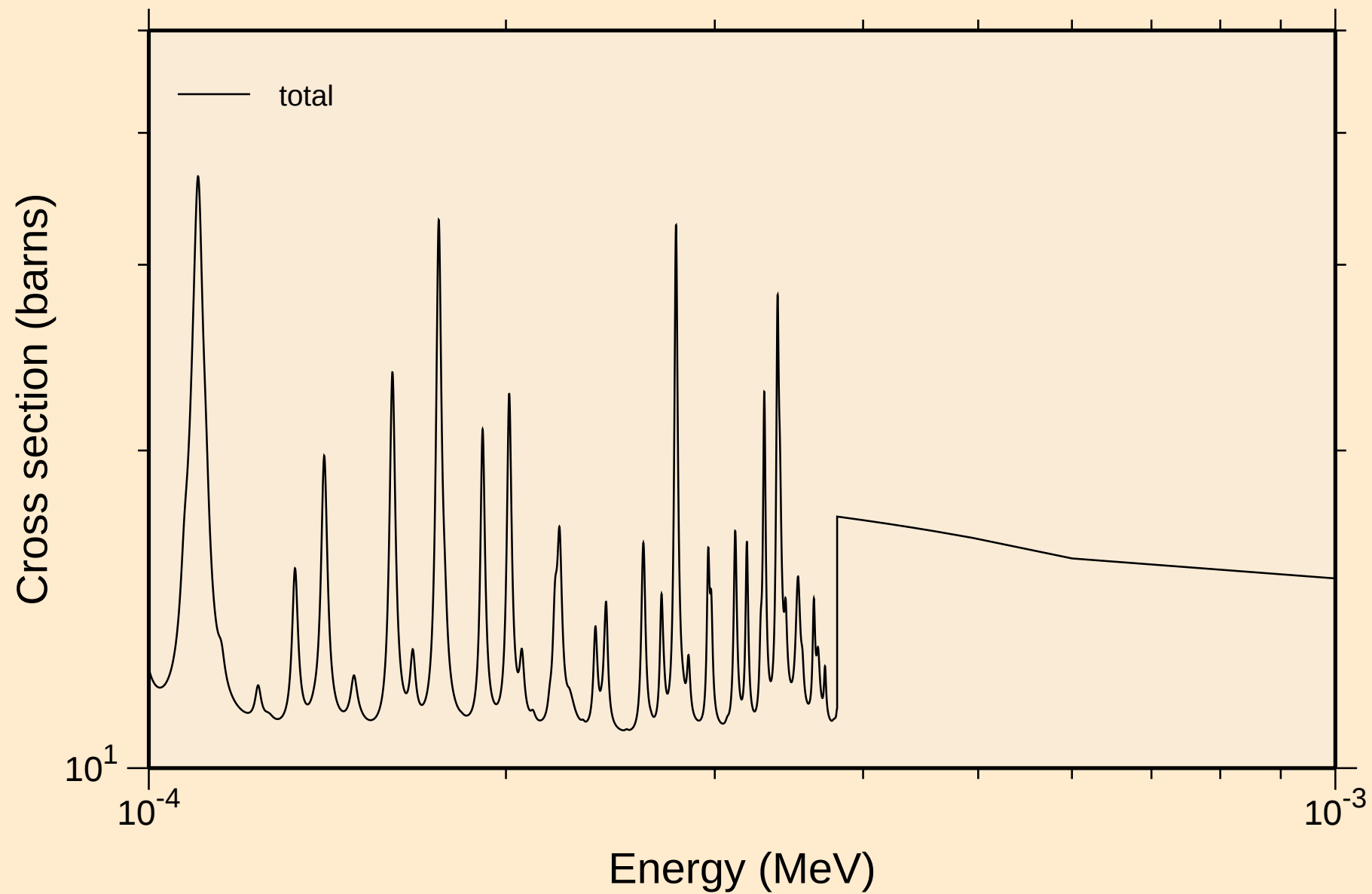
## Principal cross sections



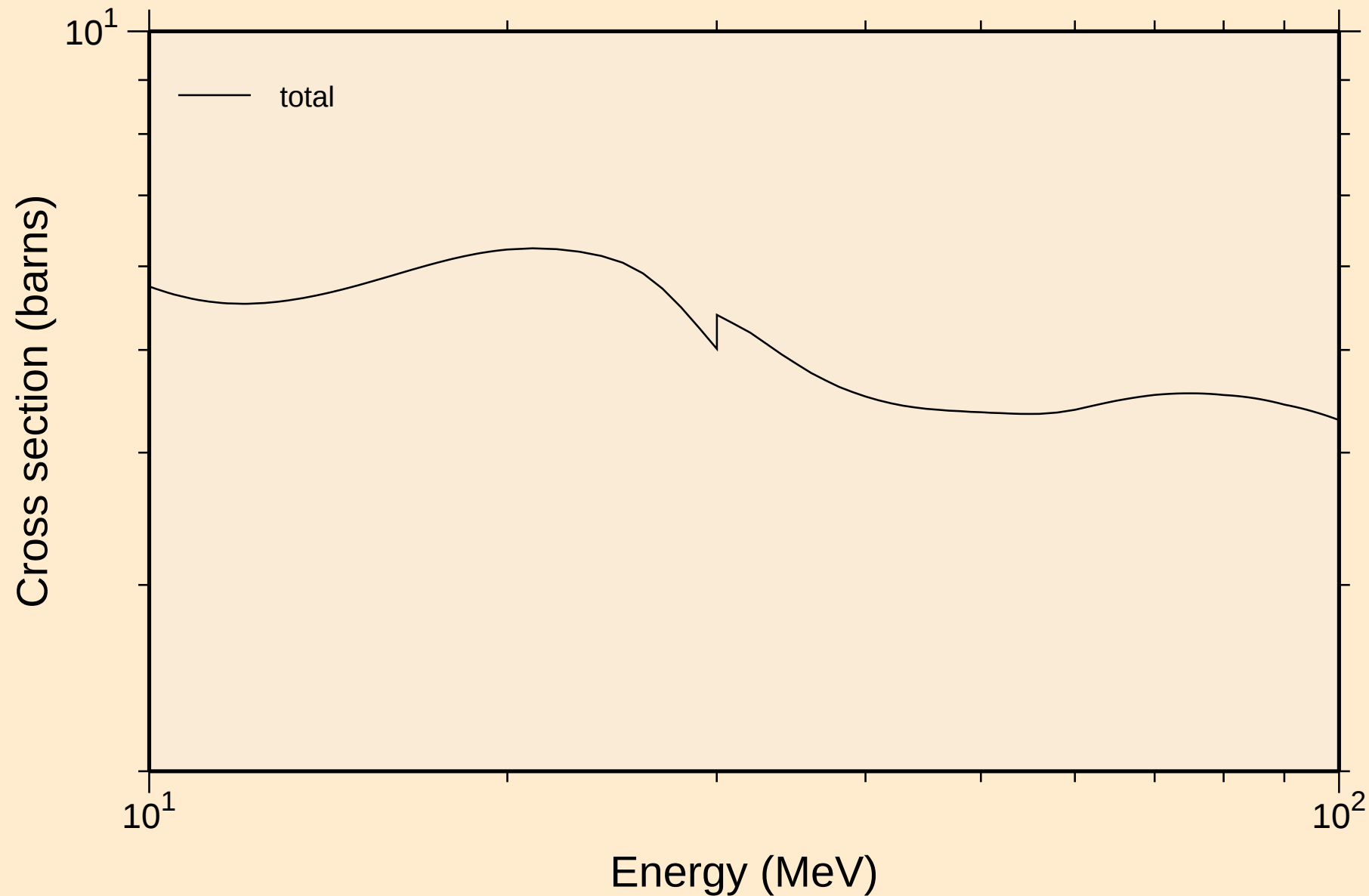
PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



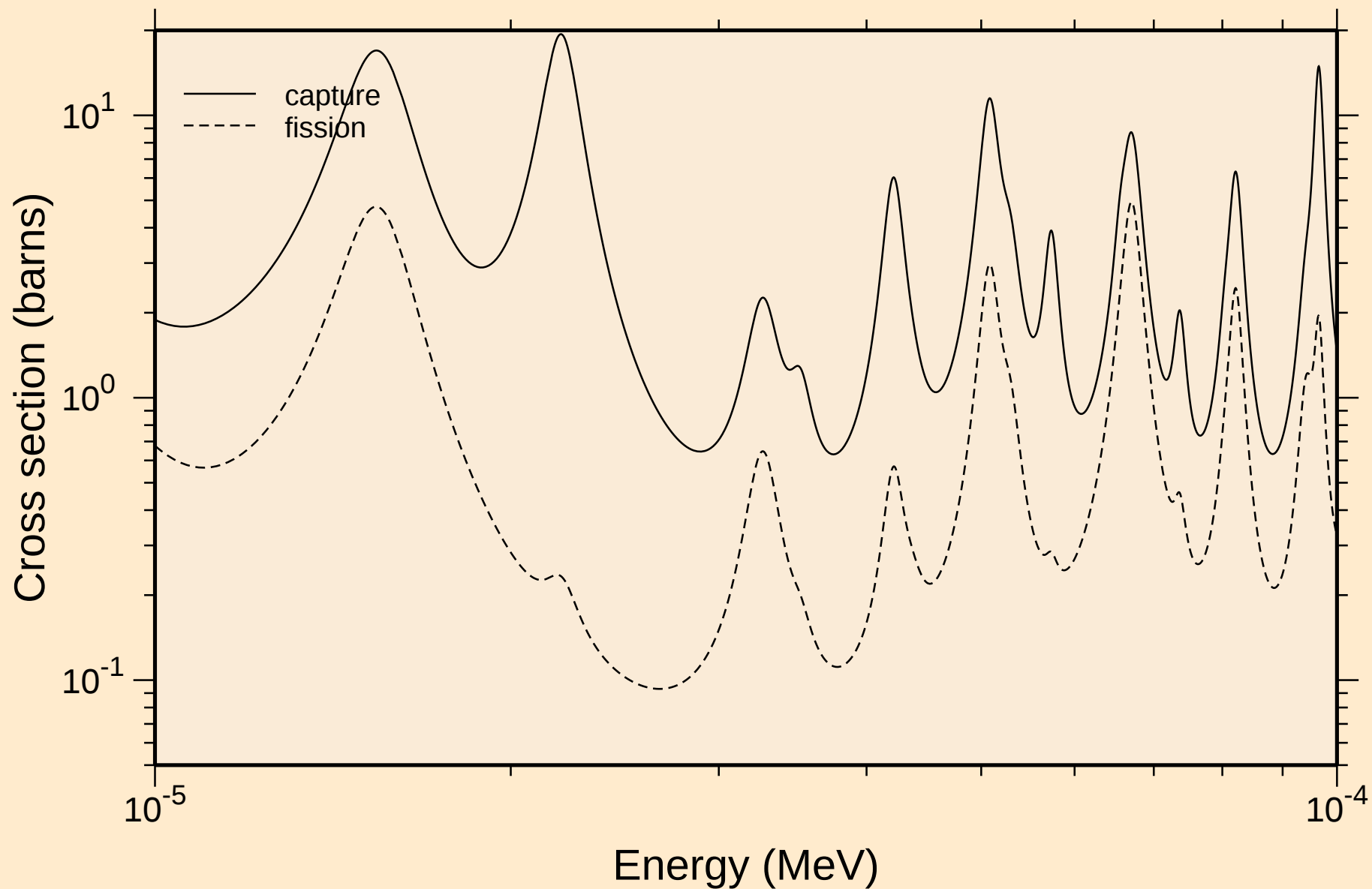
PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



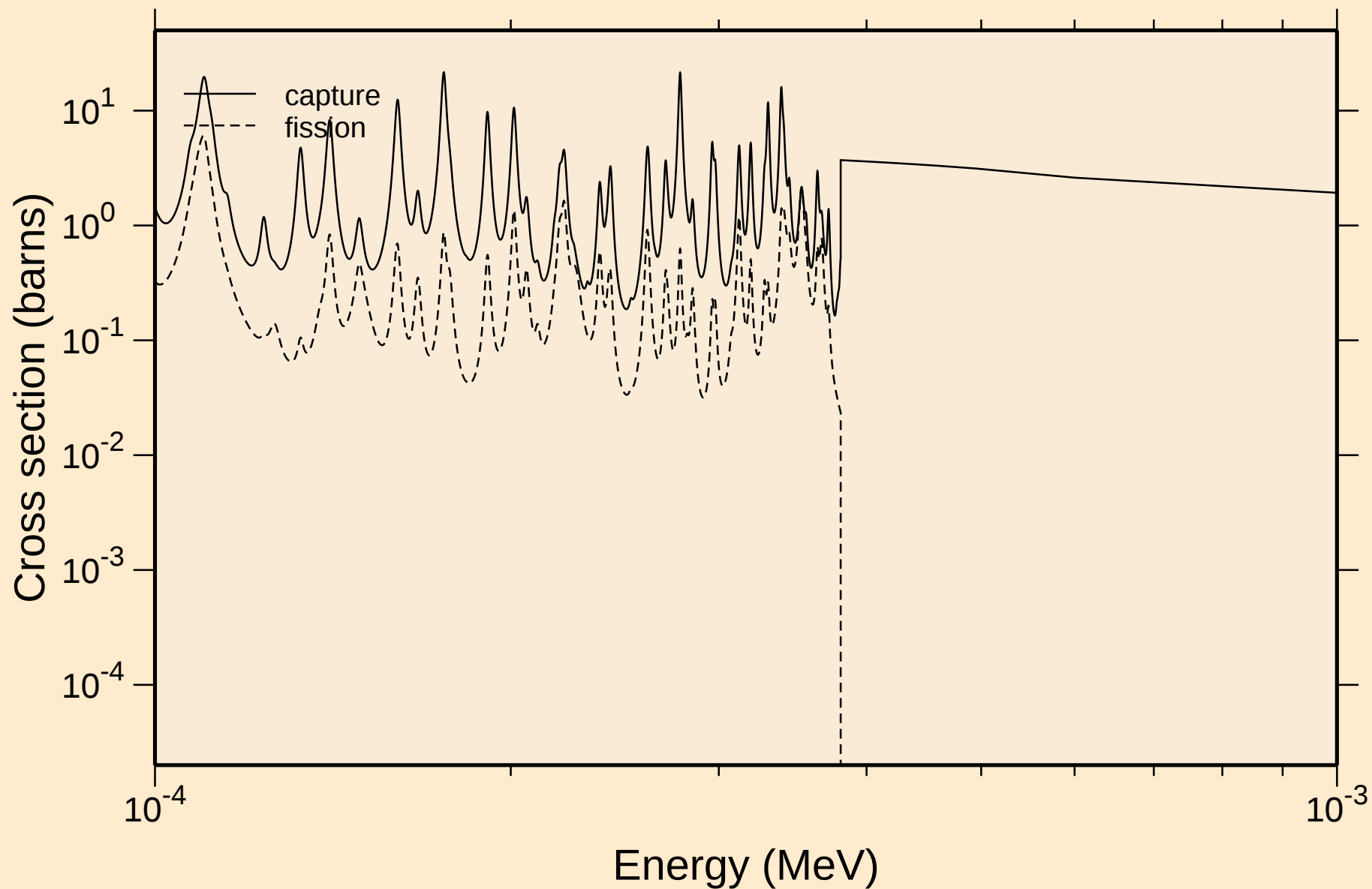
PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



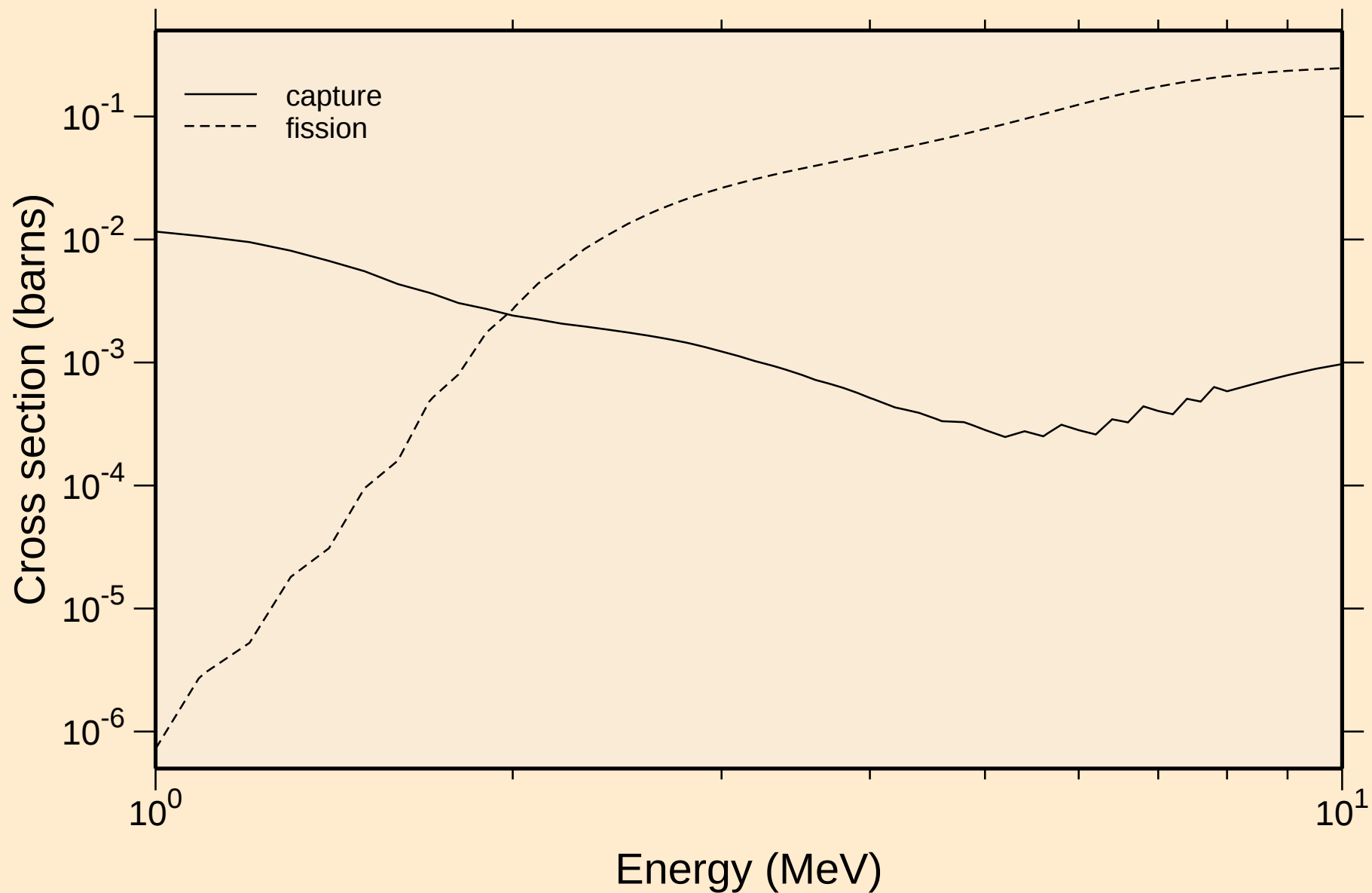
PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections

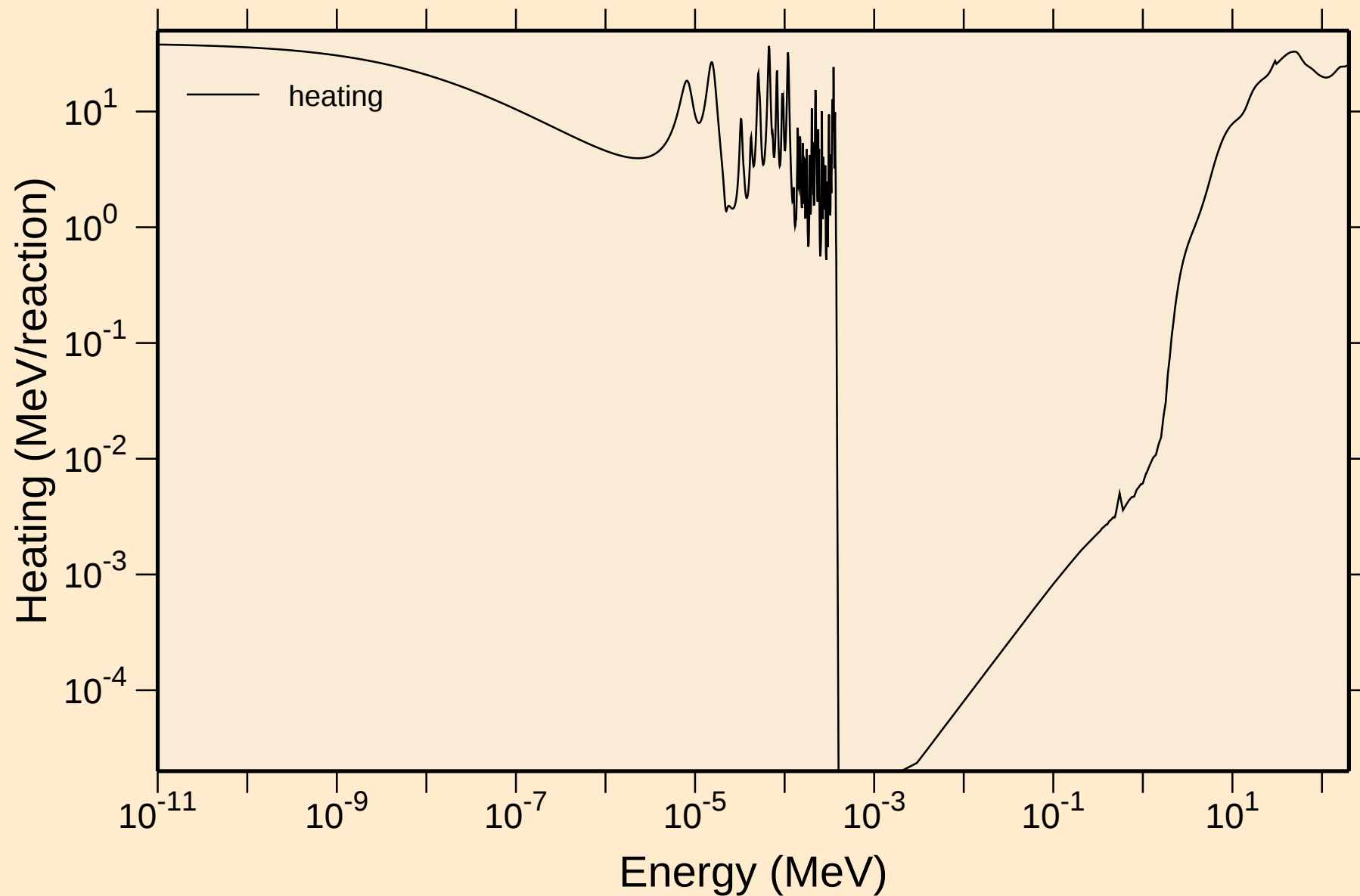


PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



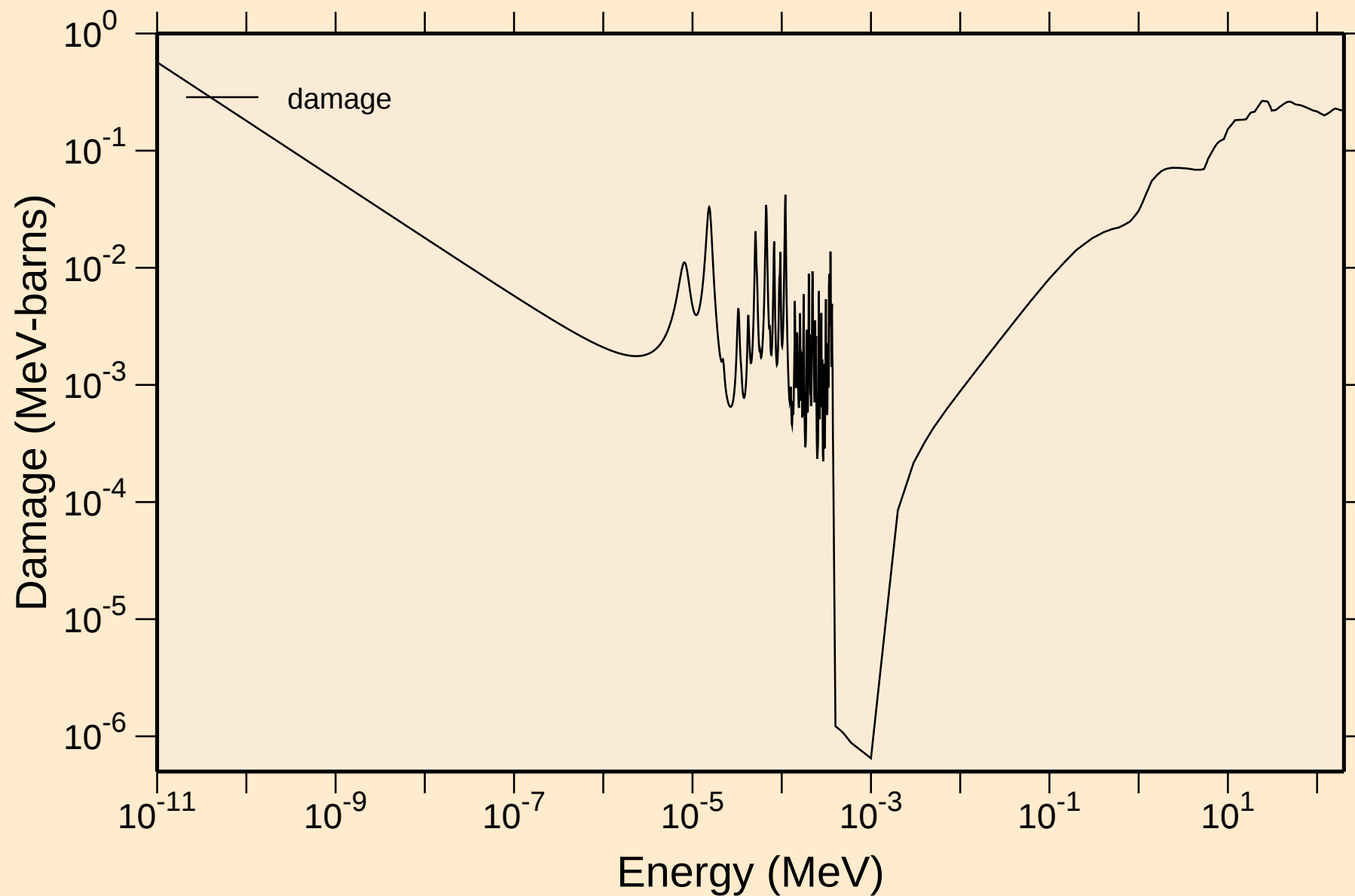
# PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

Heating

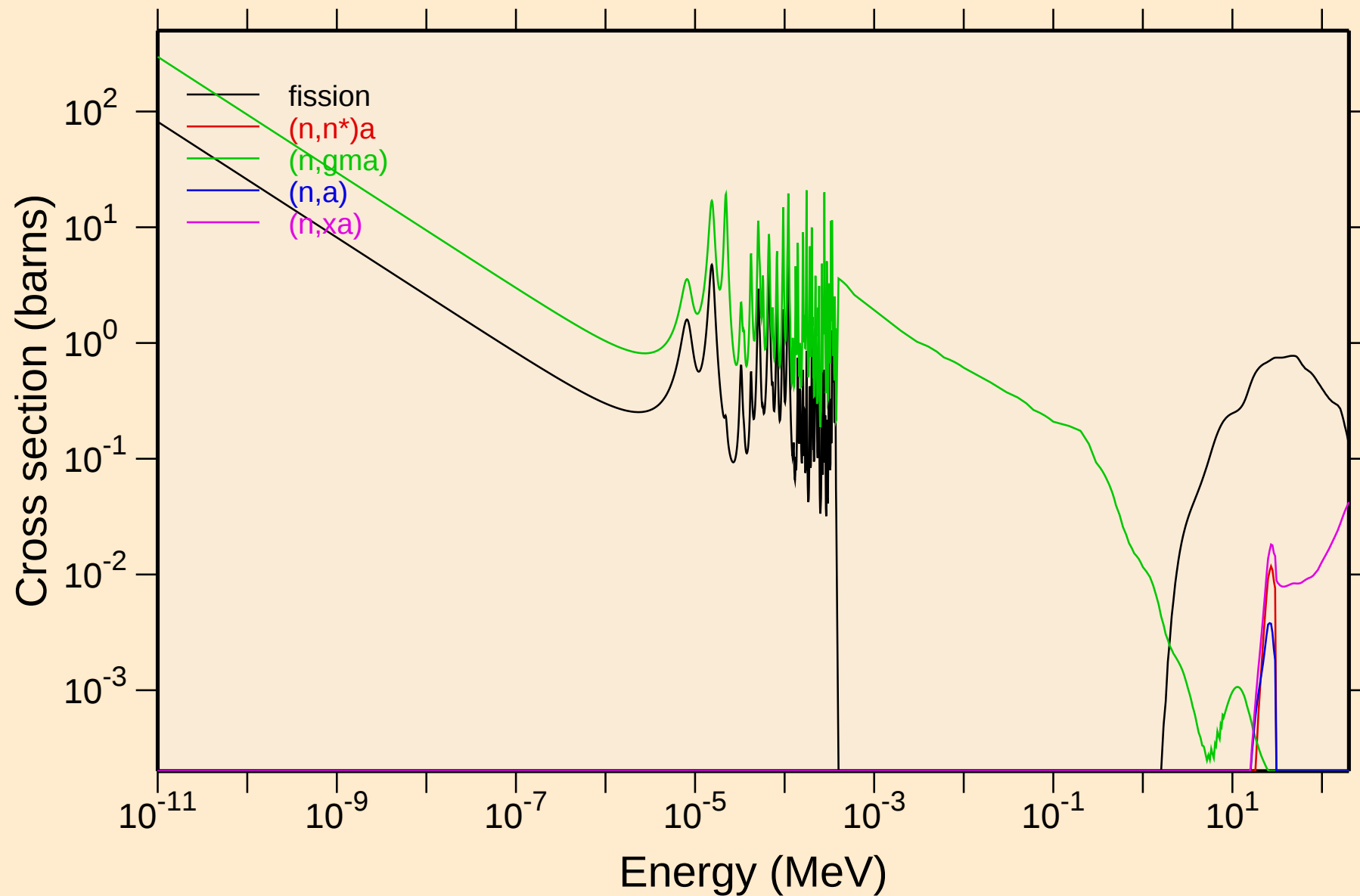


# PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

Damage

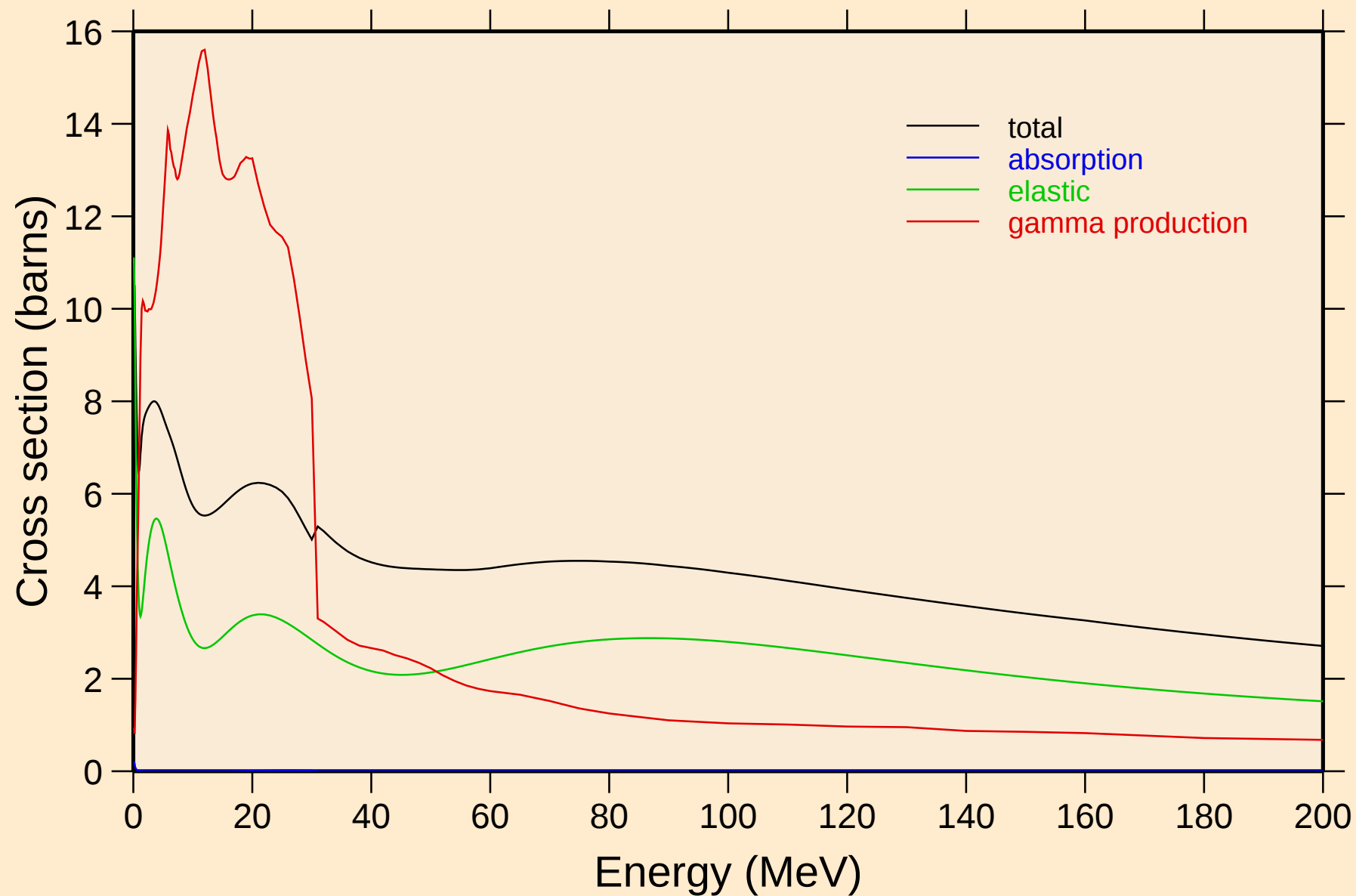


PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



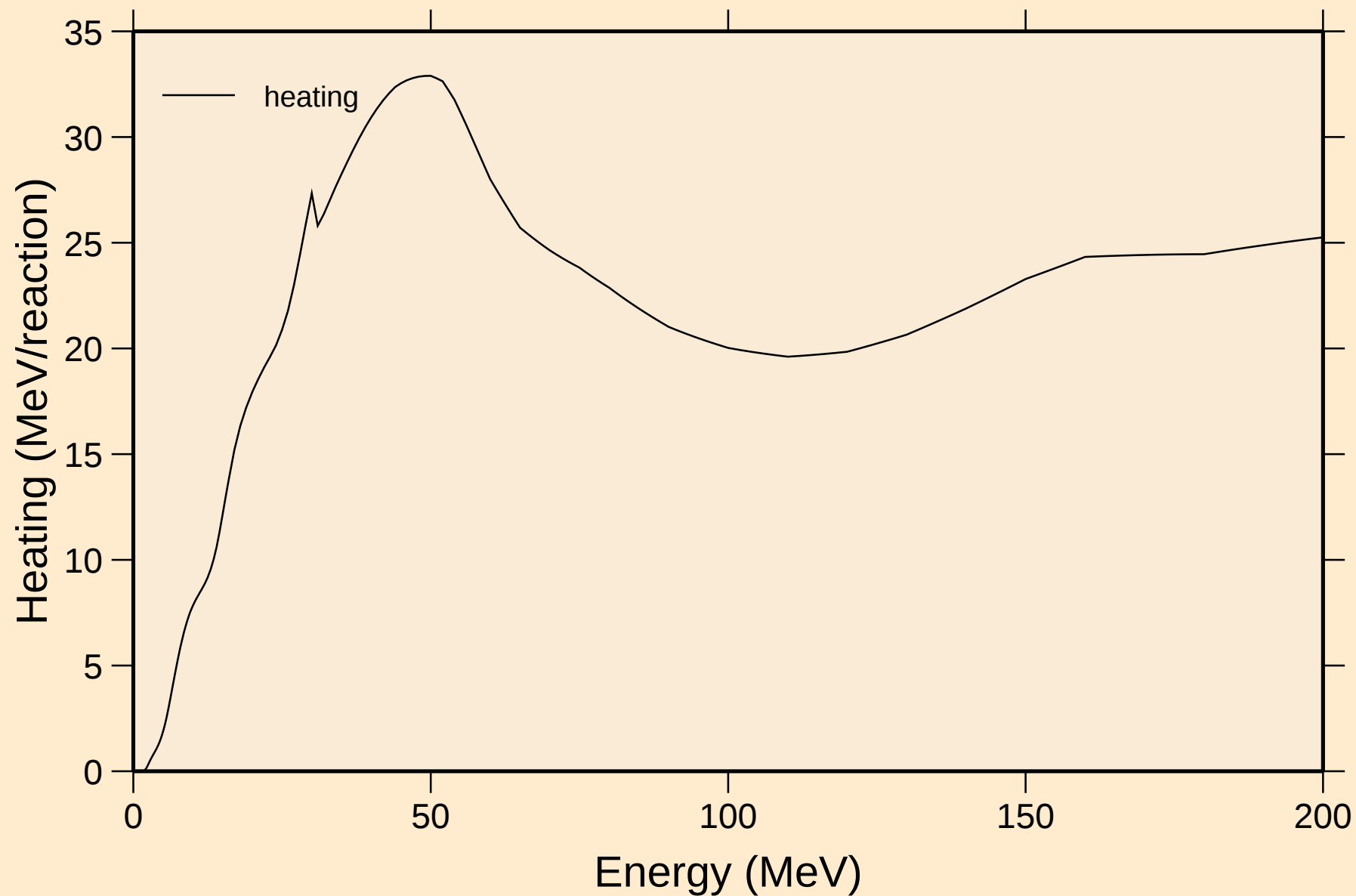
# PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections



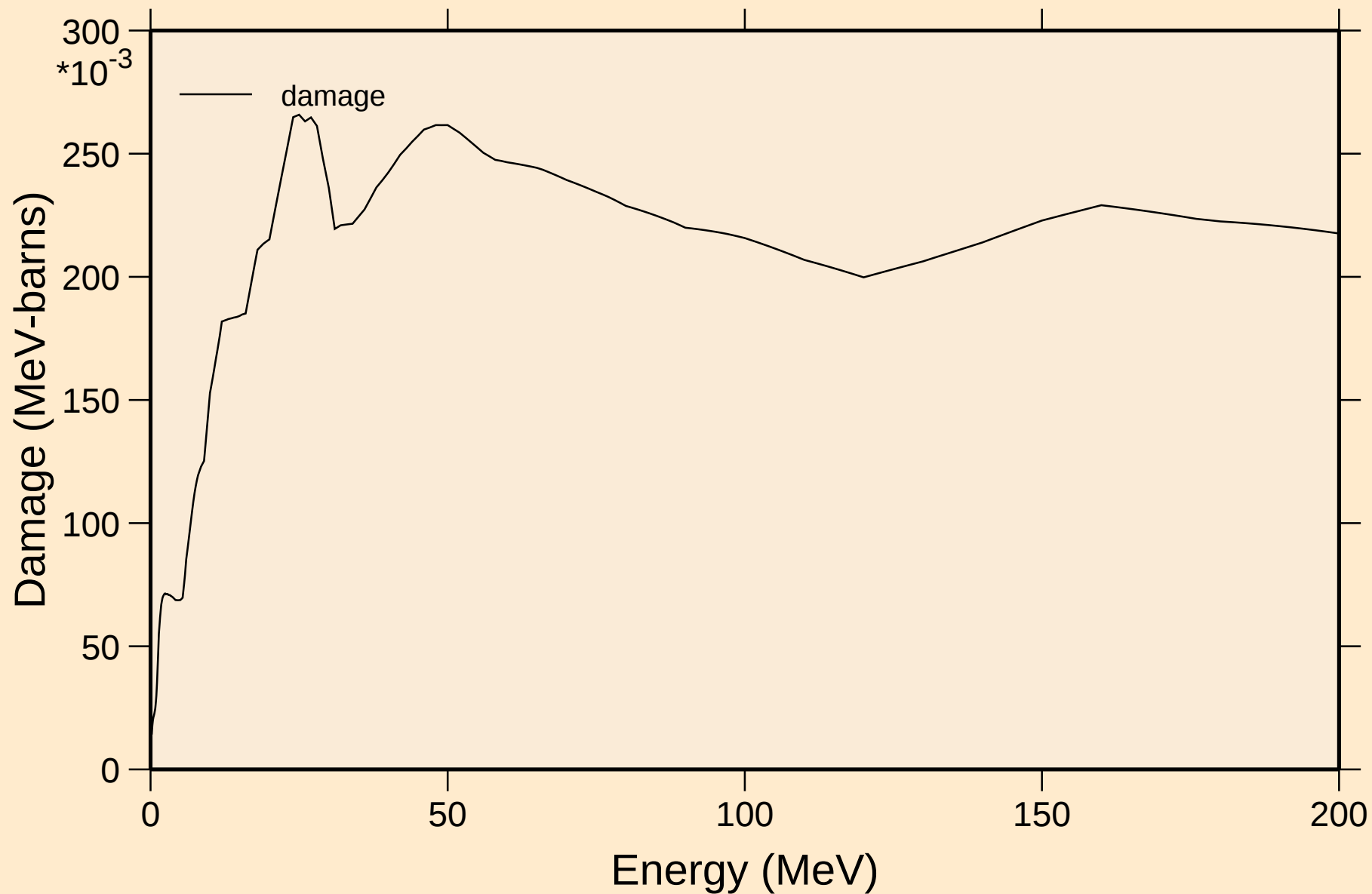
# PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

Heating

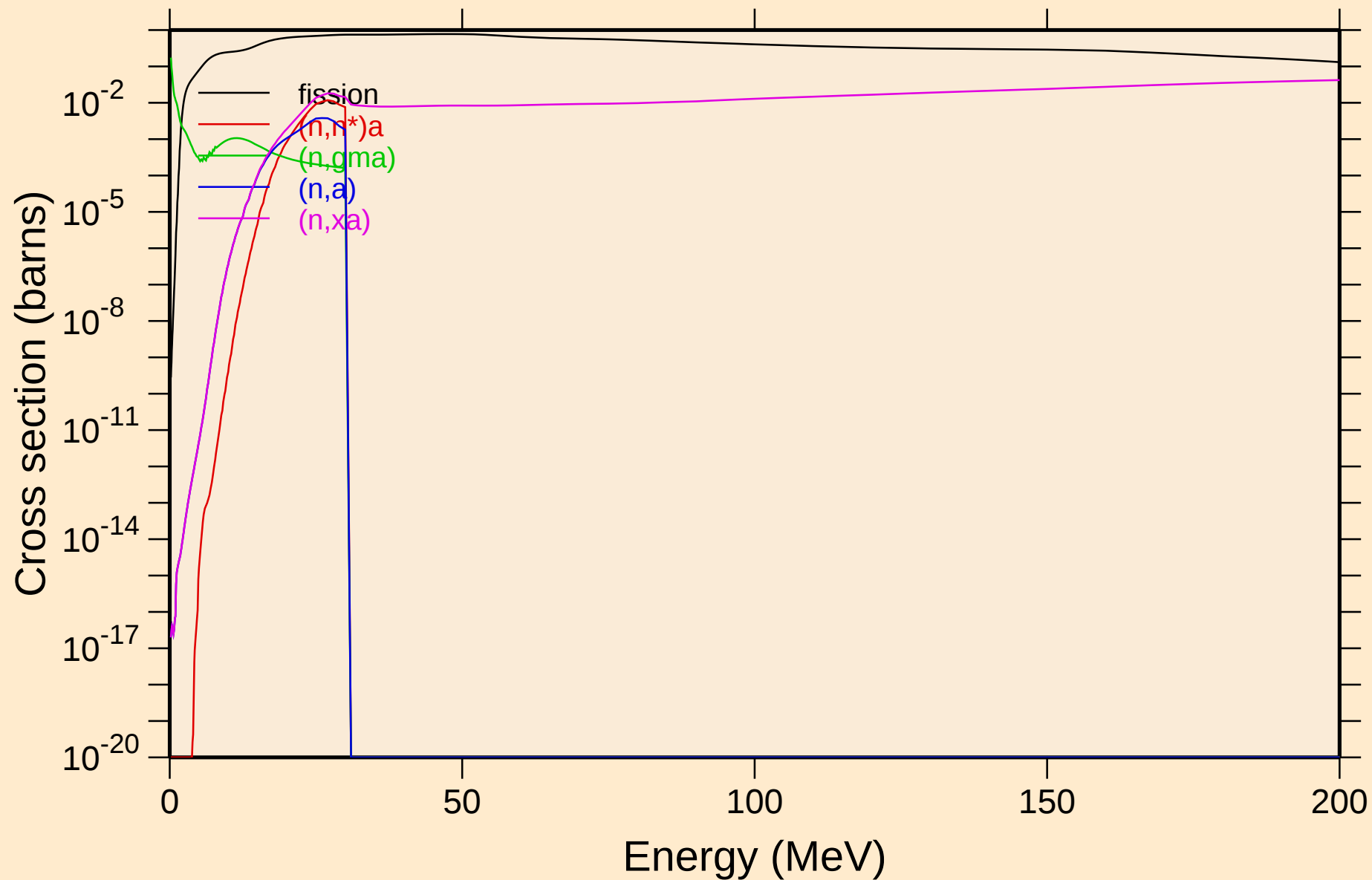


# PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

Damage

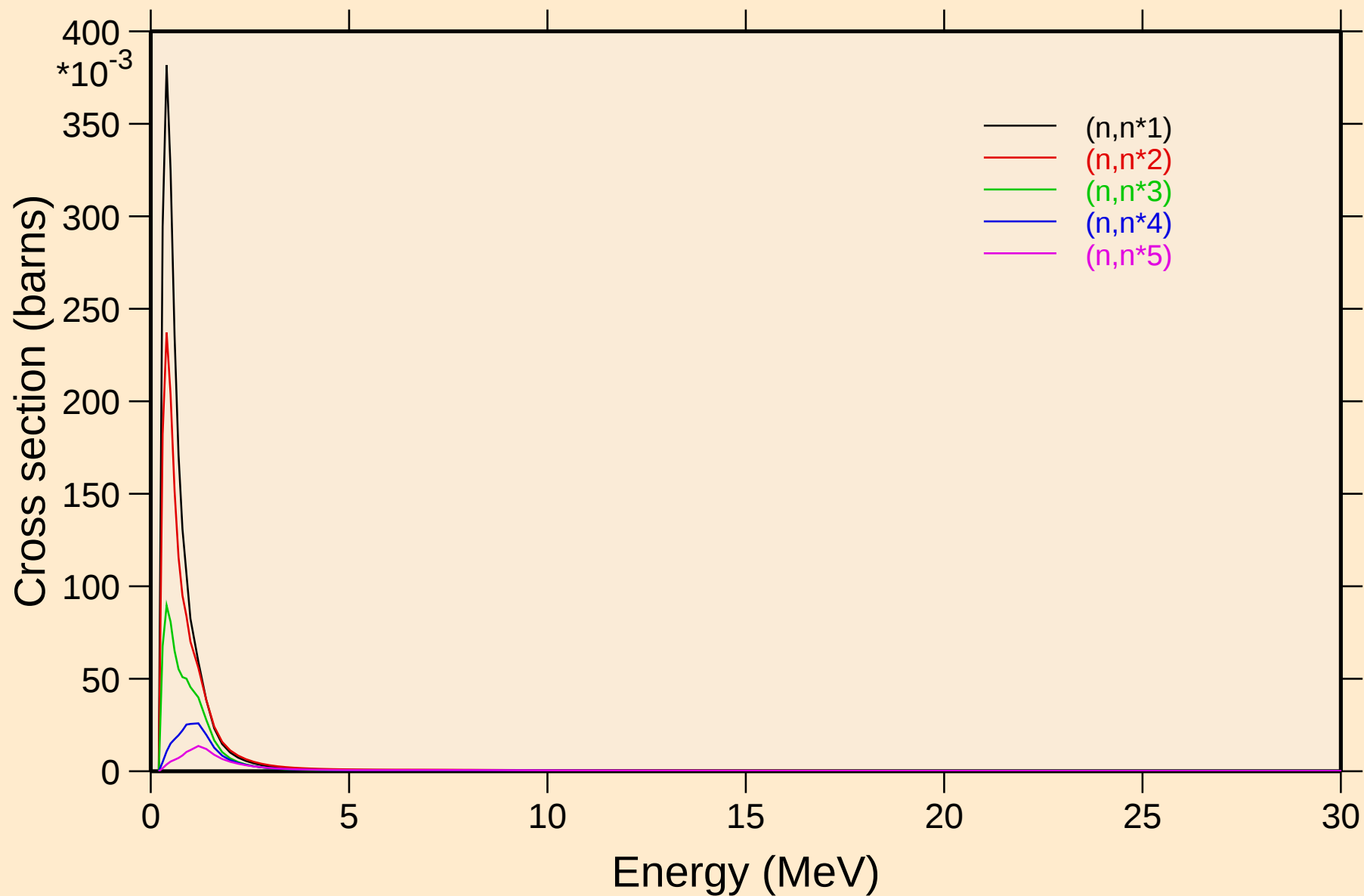


PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



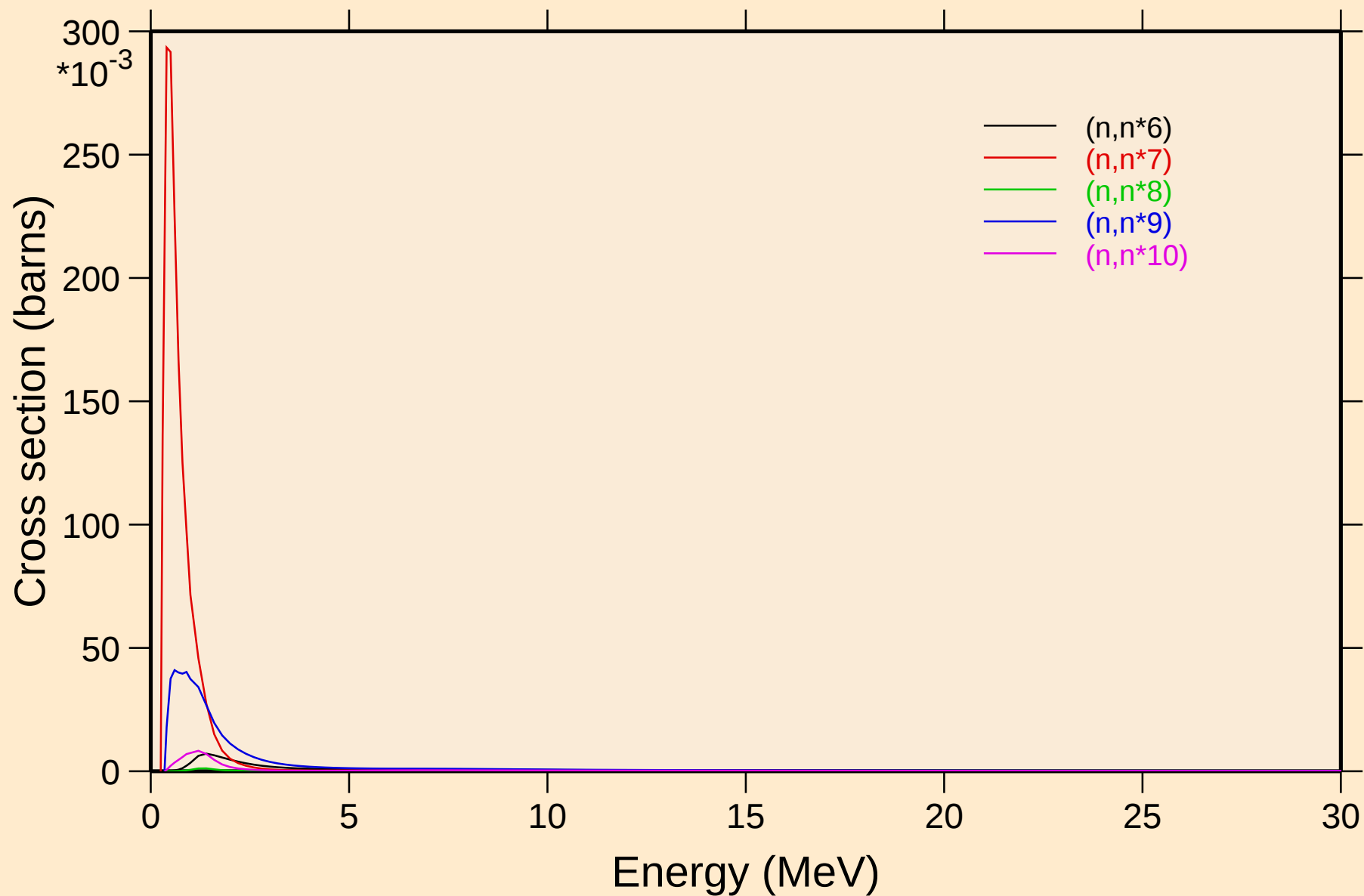
# PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Inelastic levels



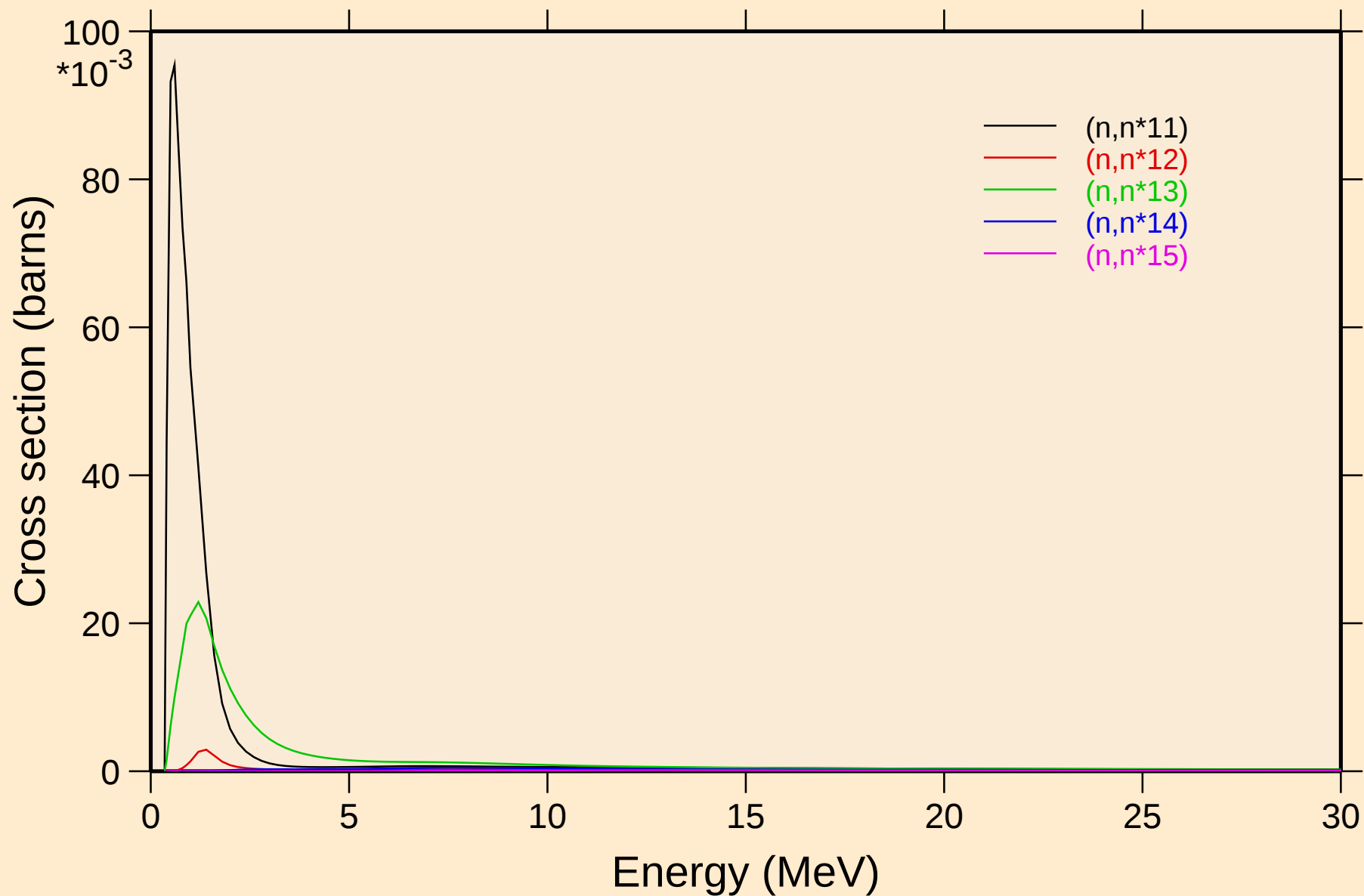
# PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

Inelastic levels



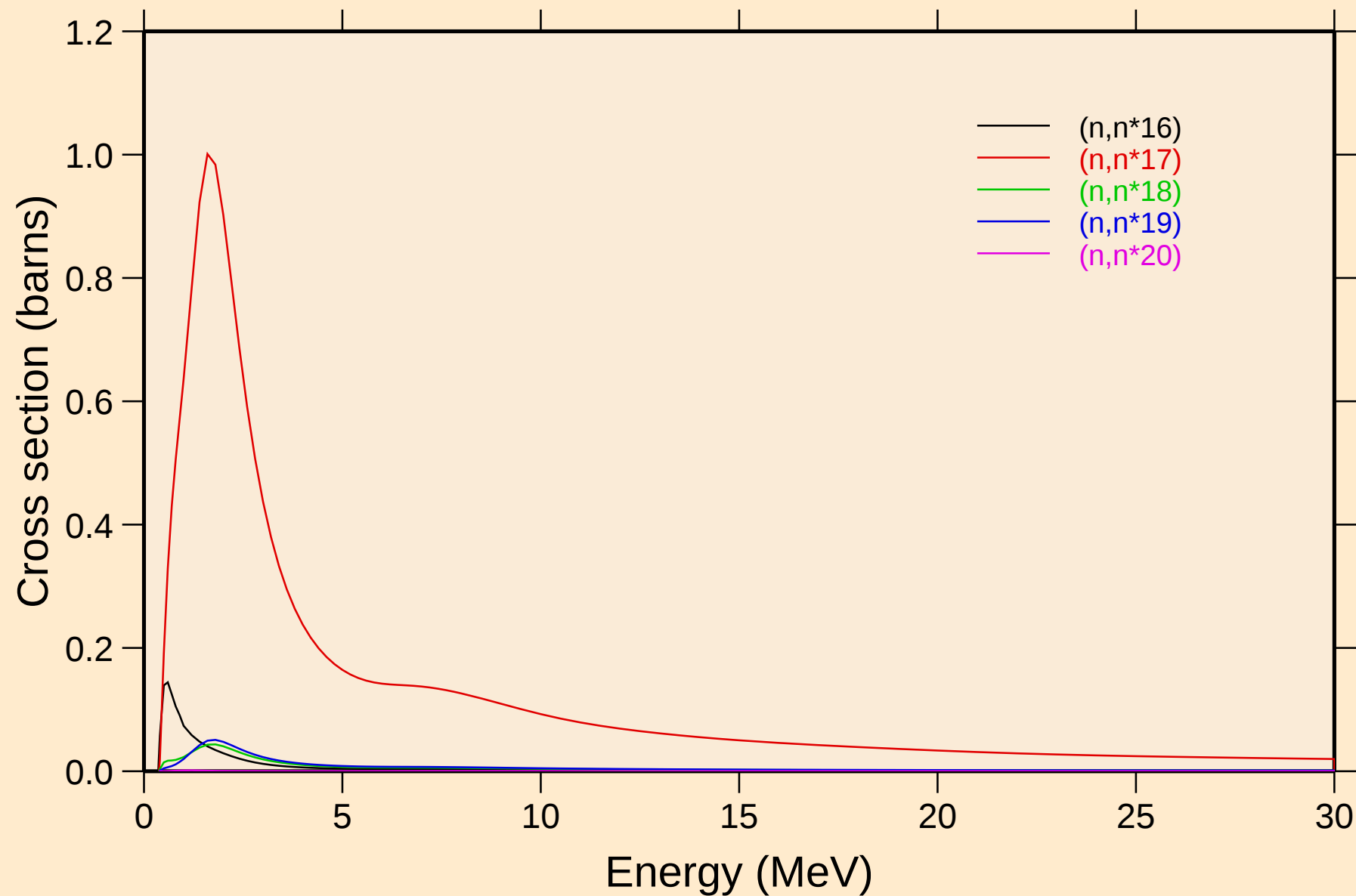
# PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

Inelastic levels



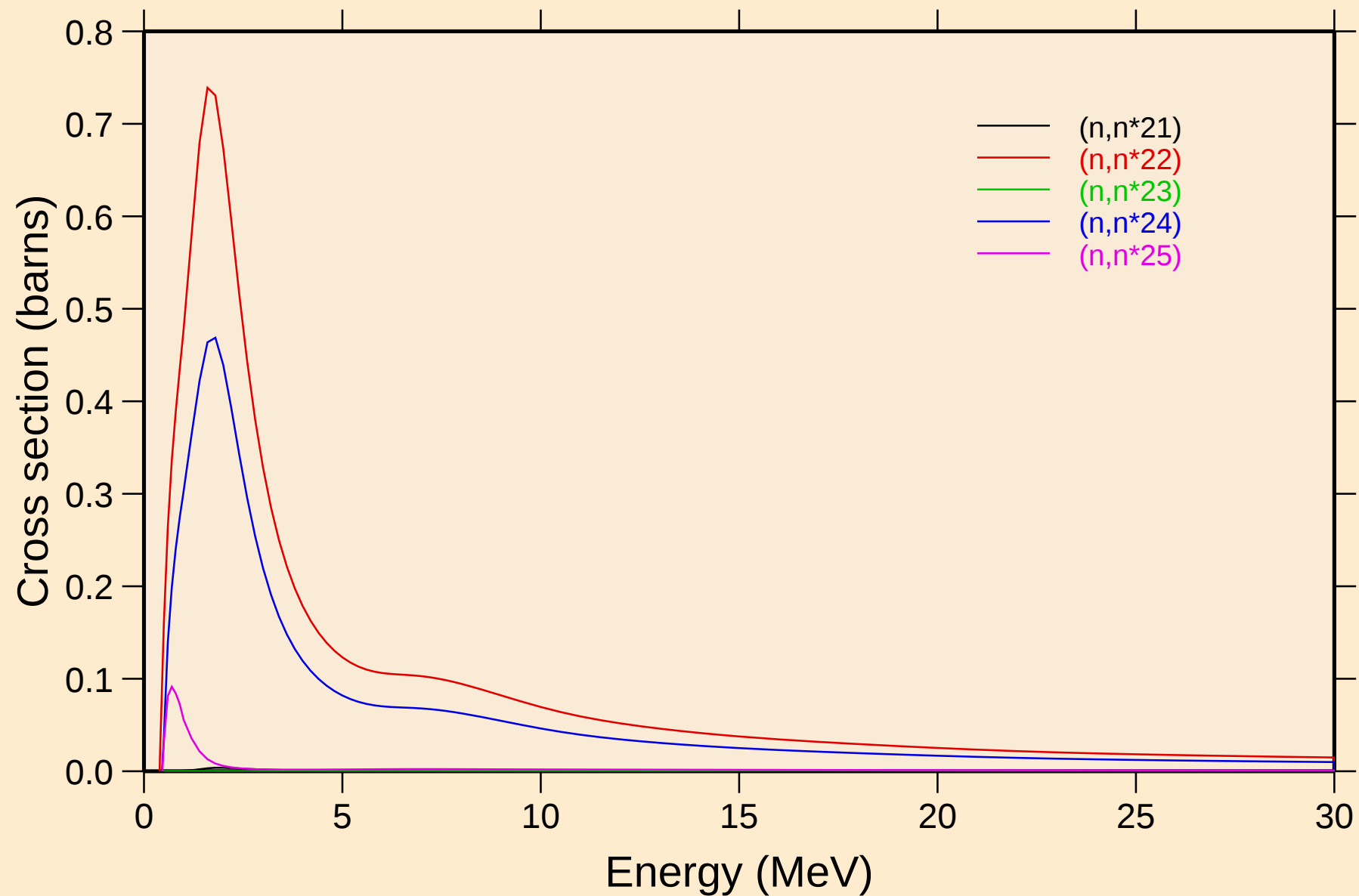
# PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

Inelastic levels



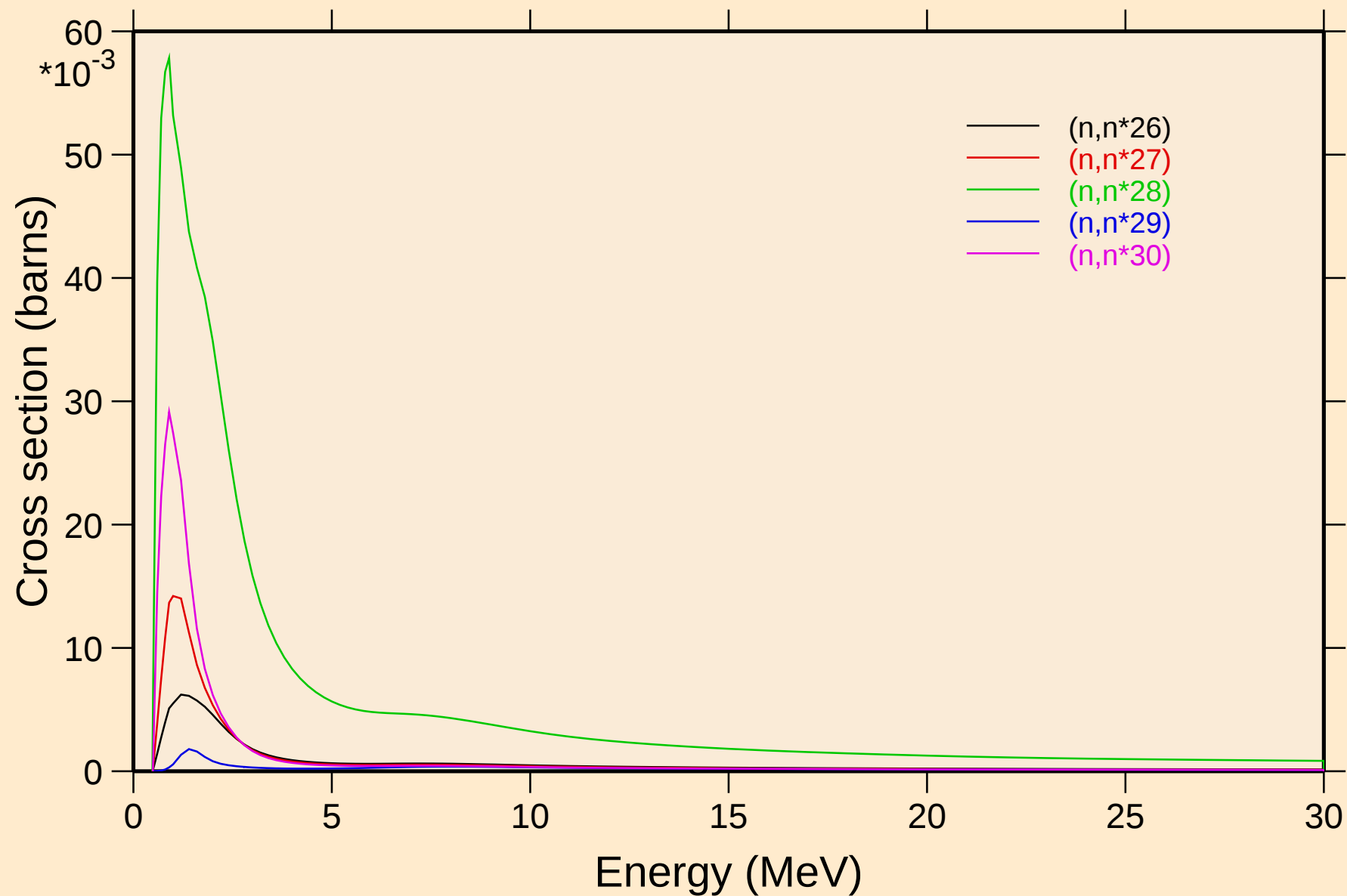
# PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

Inelastic levels



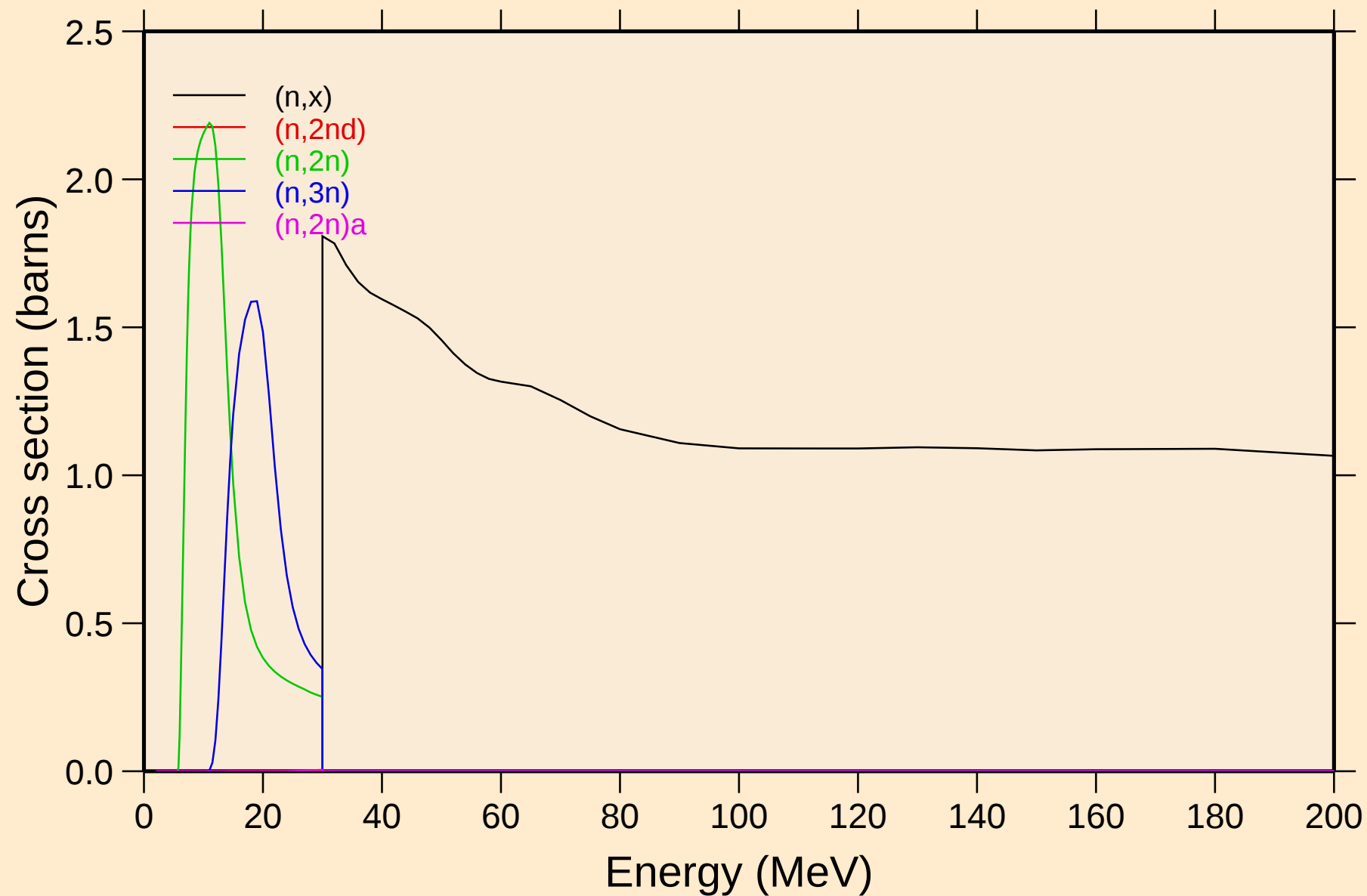
# PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

Inelastic levels



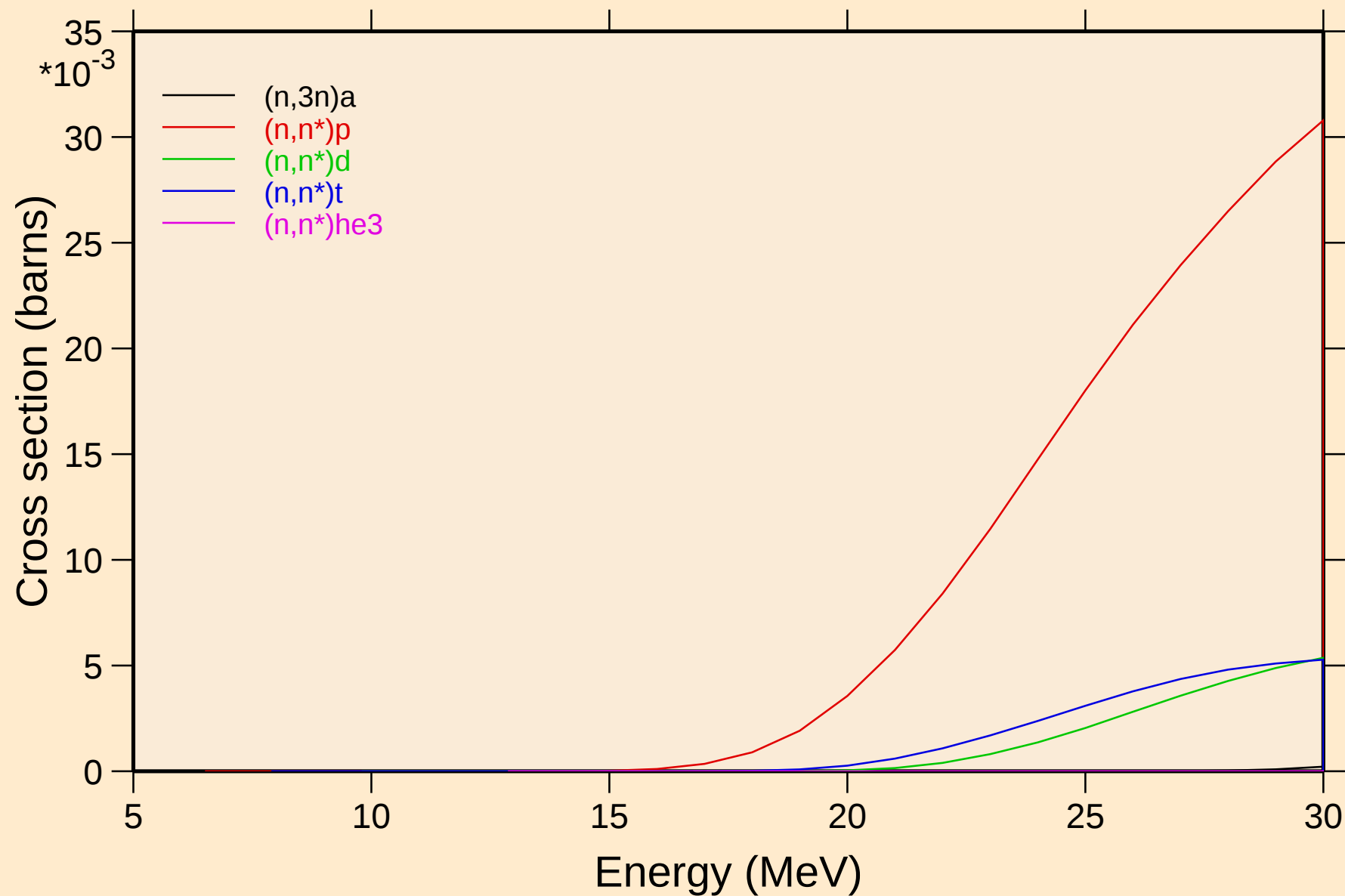
# PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions

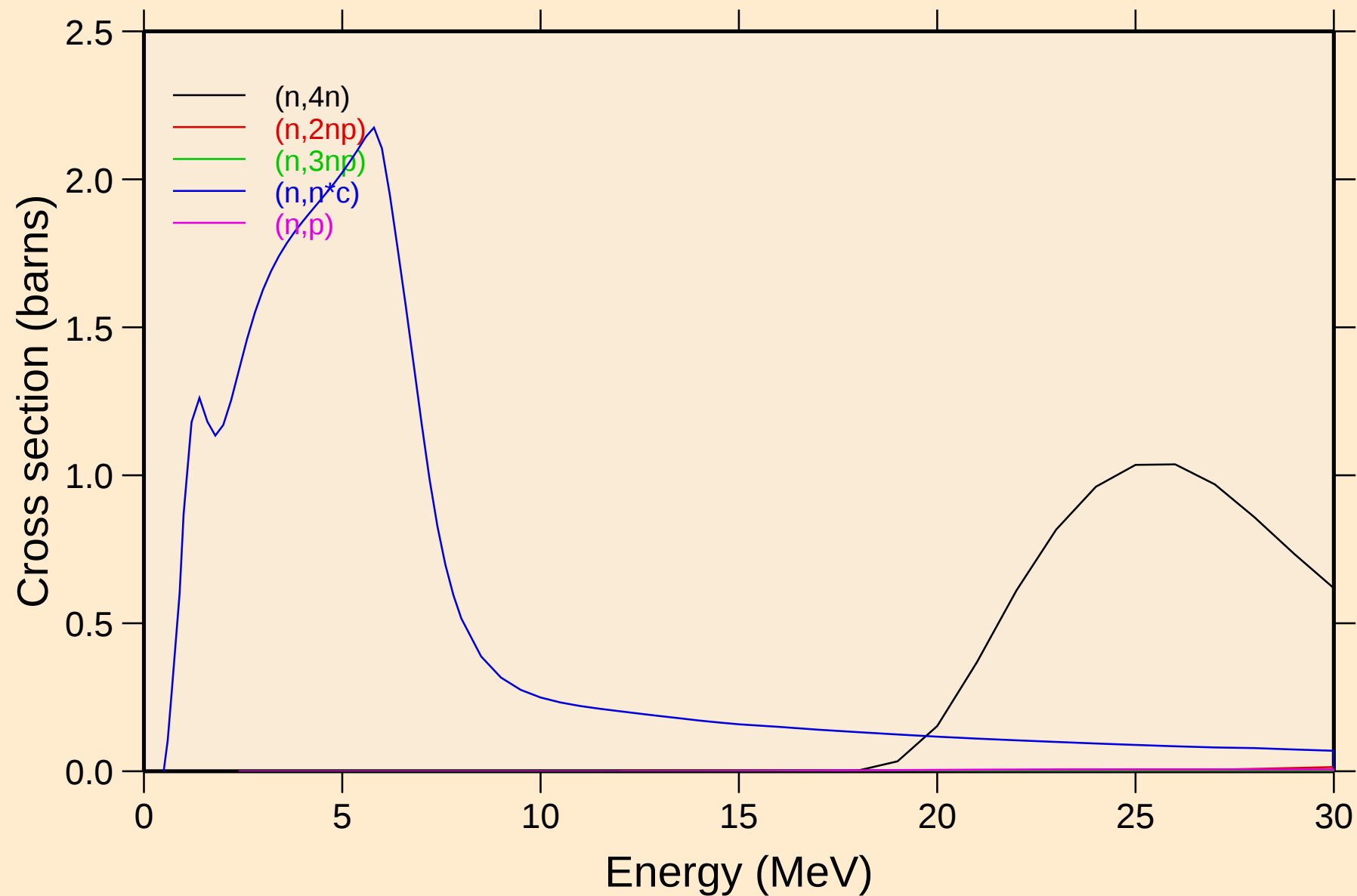


# PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions

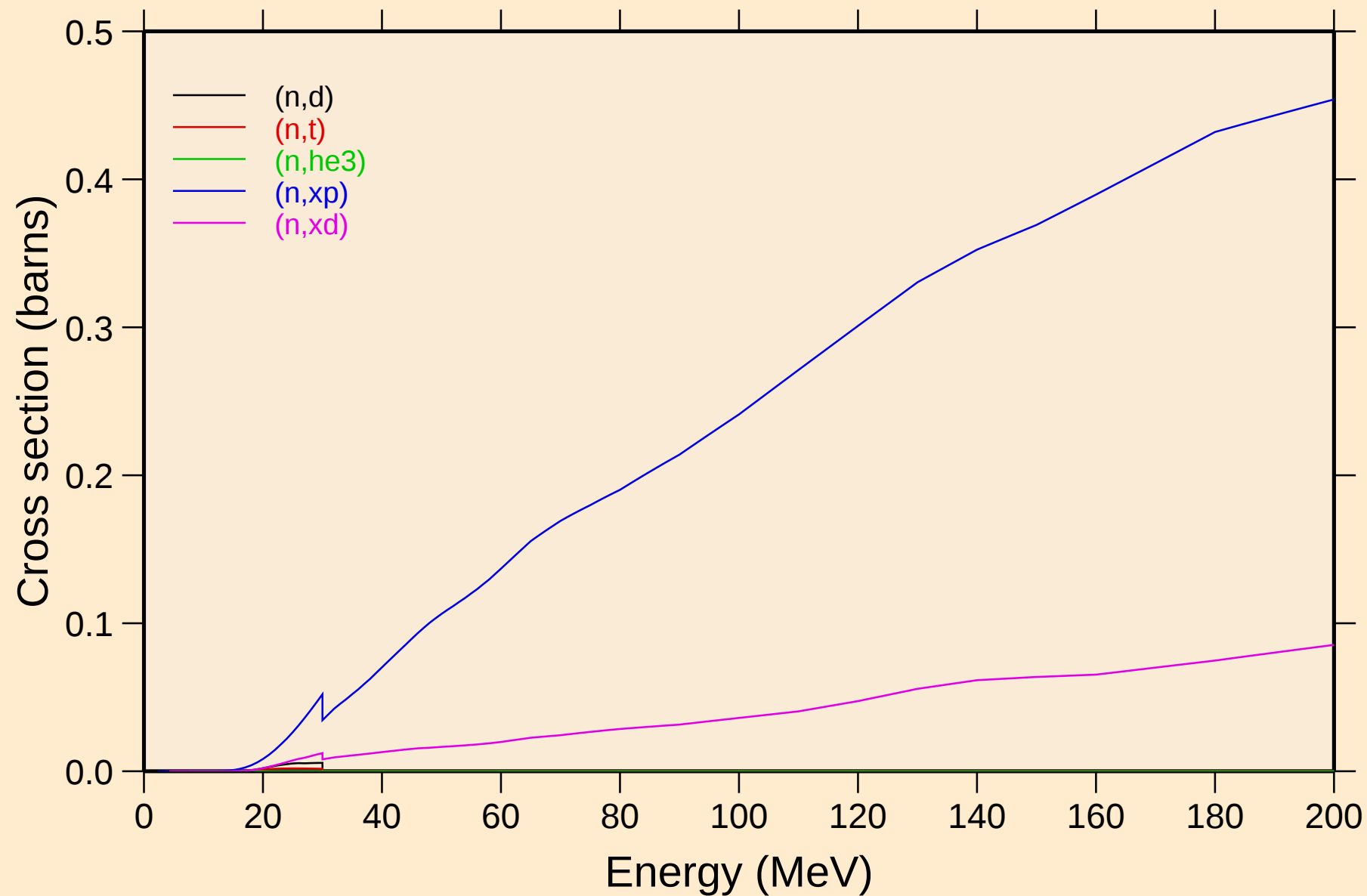


PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



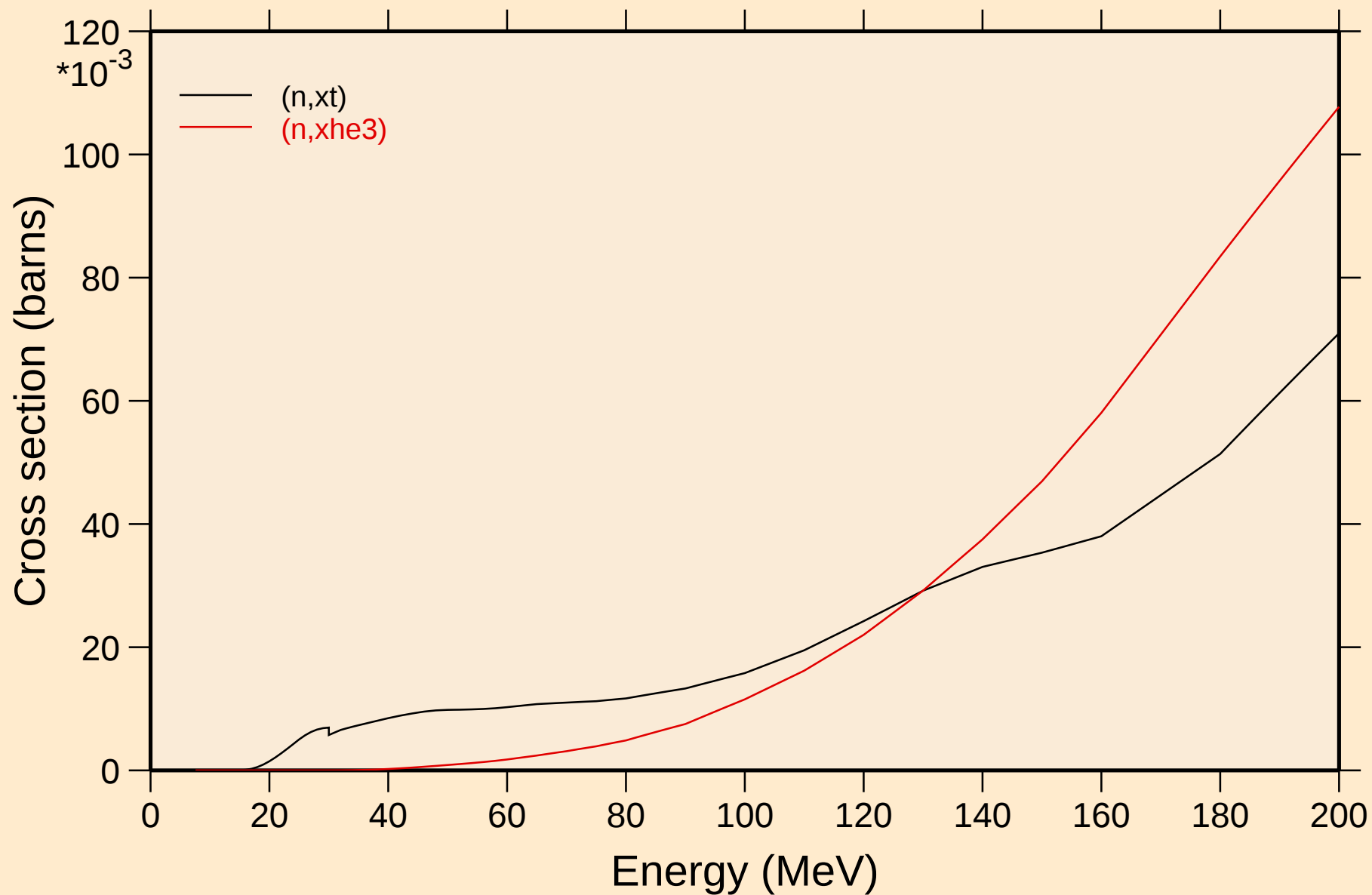
# PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

Threshold reactions

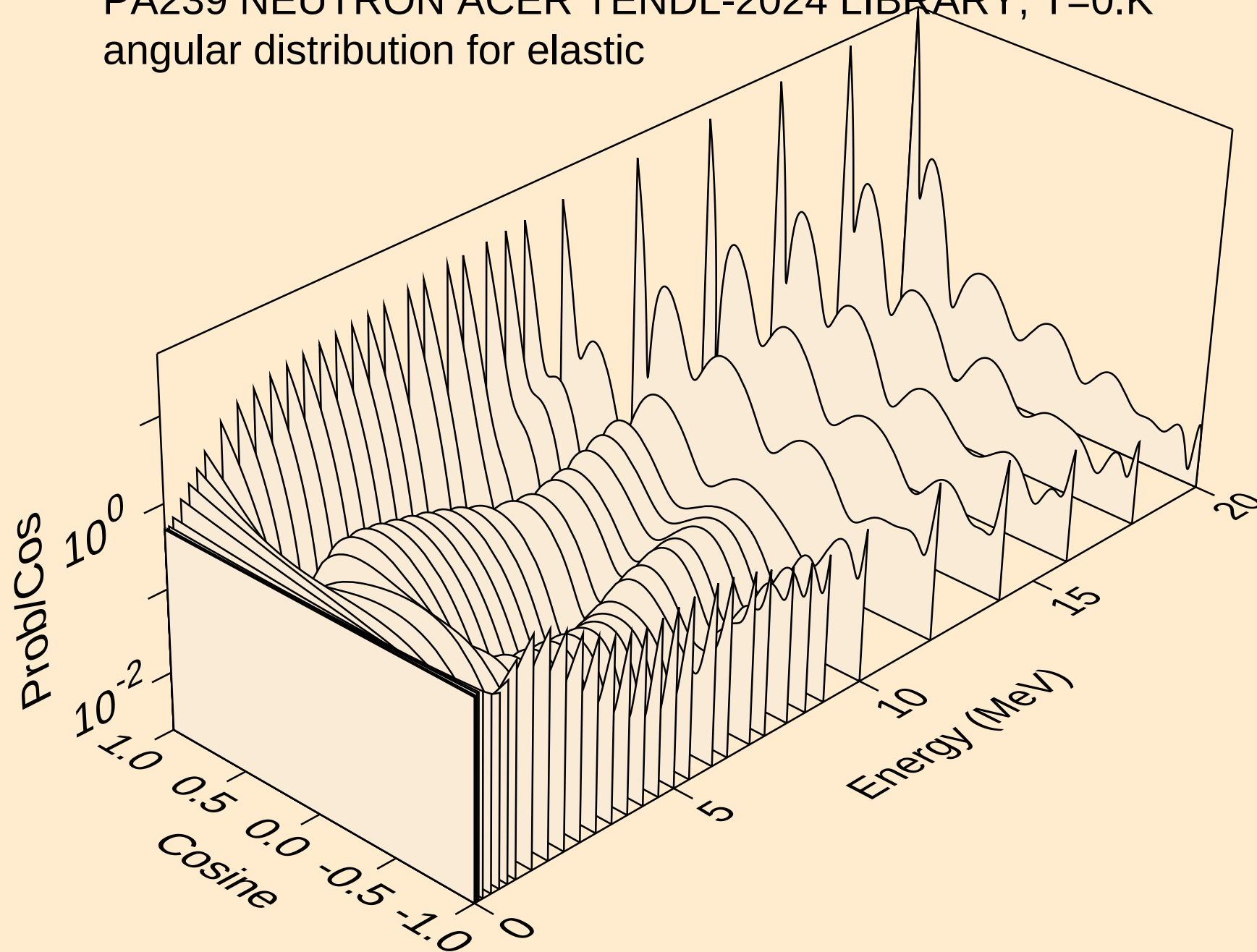


# PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

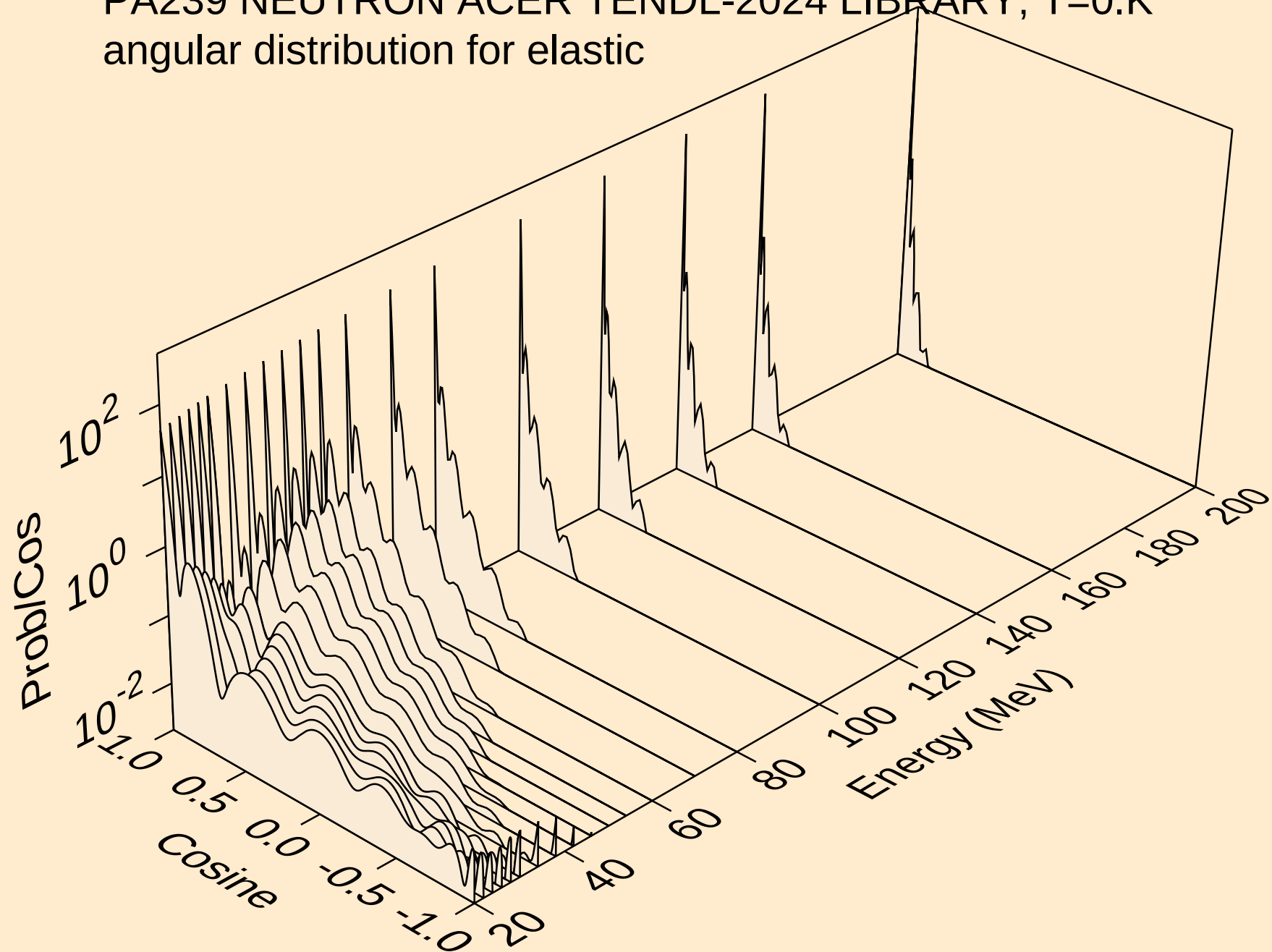
## Threshold reactions



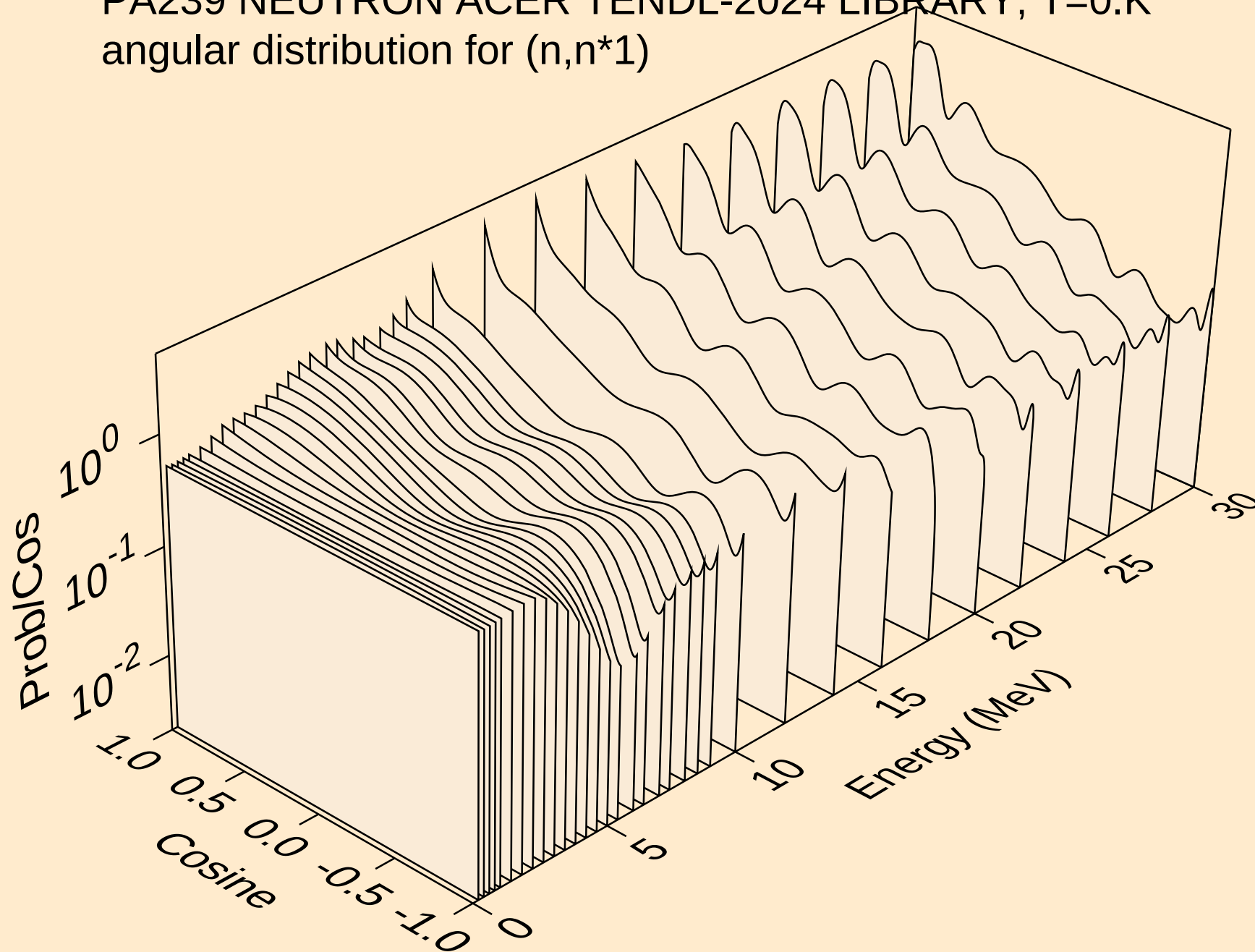
PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



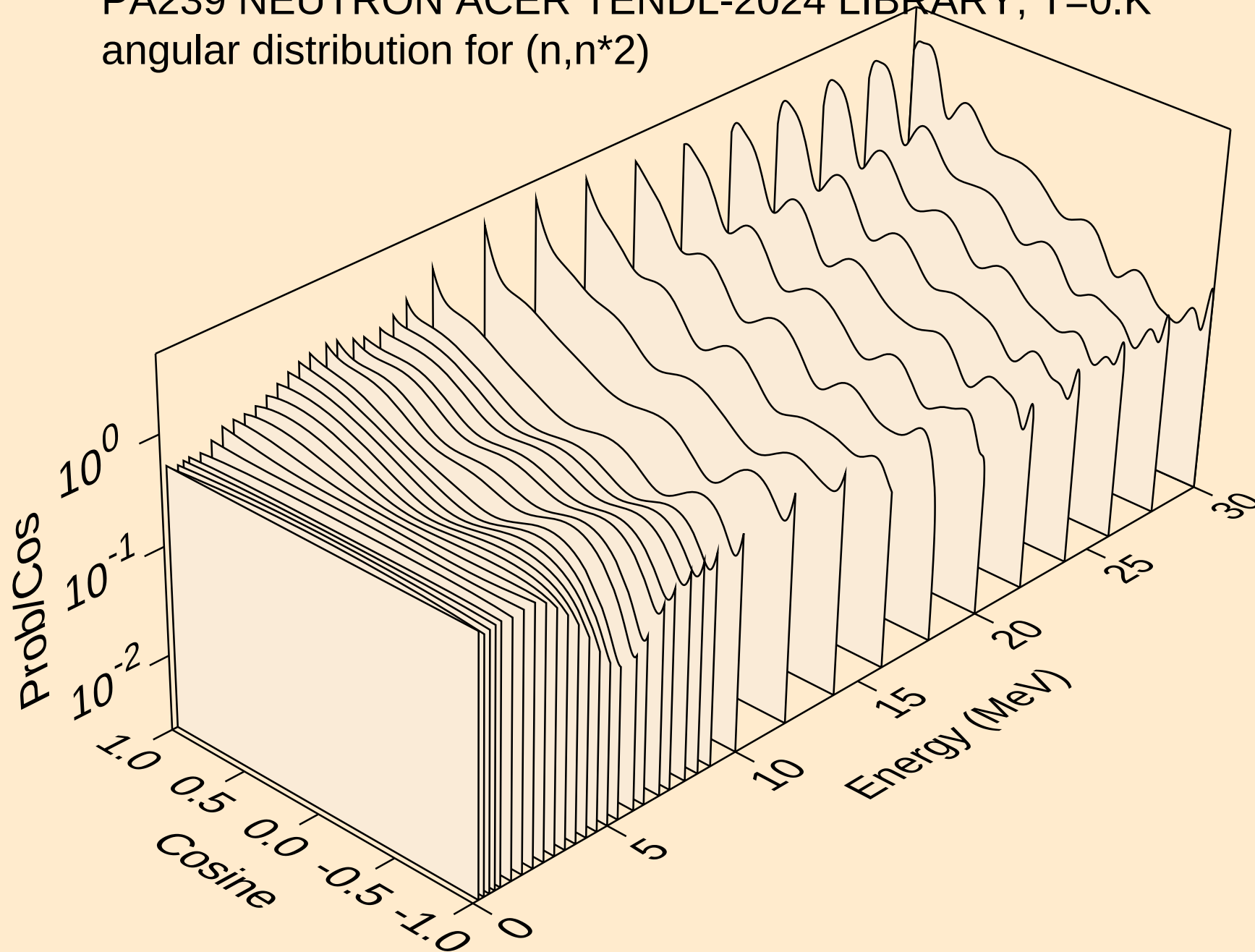
PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



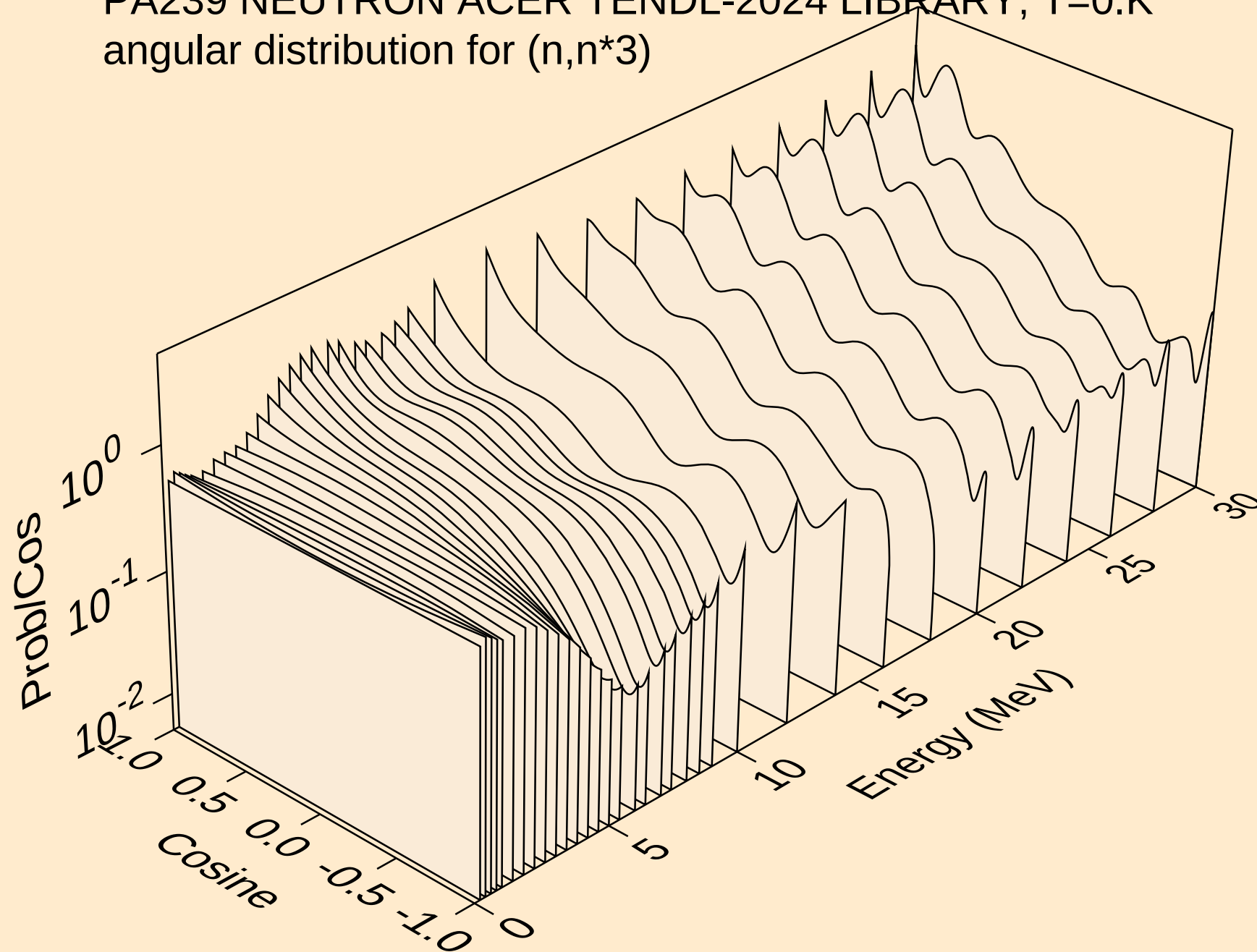
PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



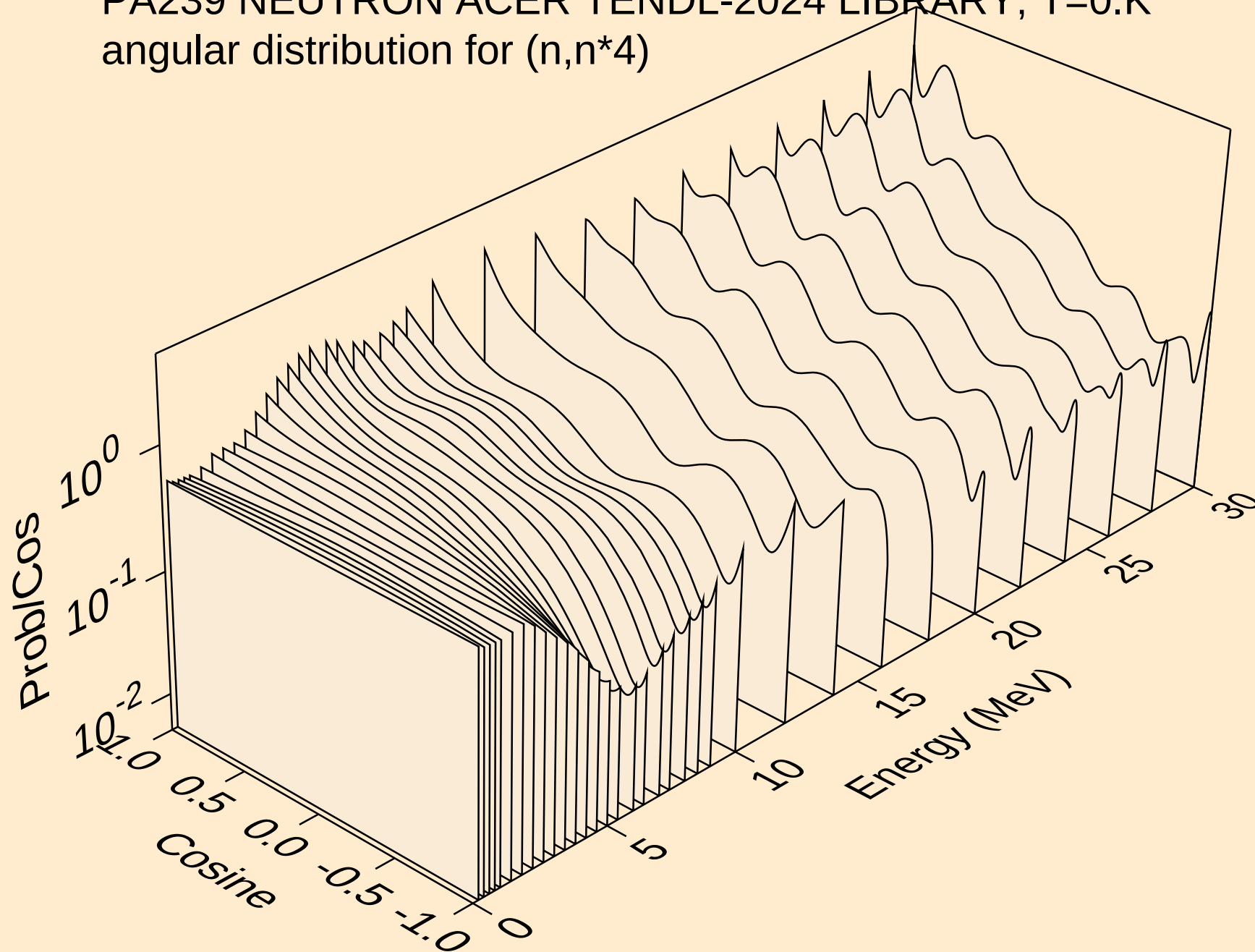
PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*2)



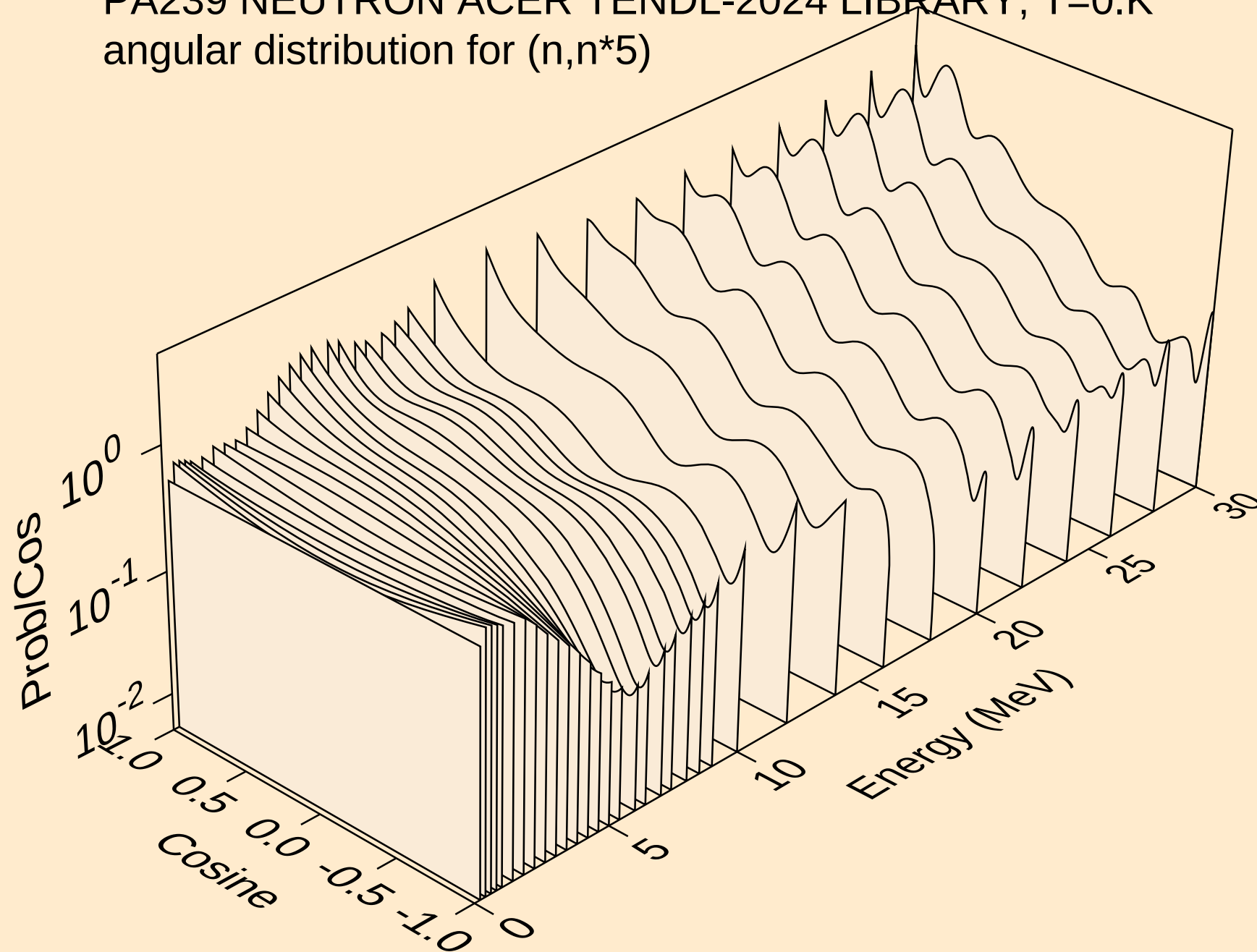
PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*3)



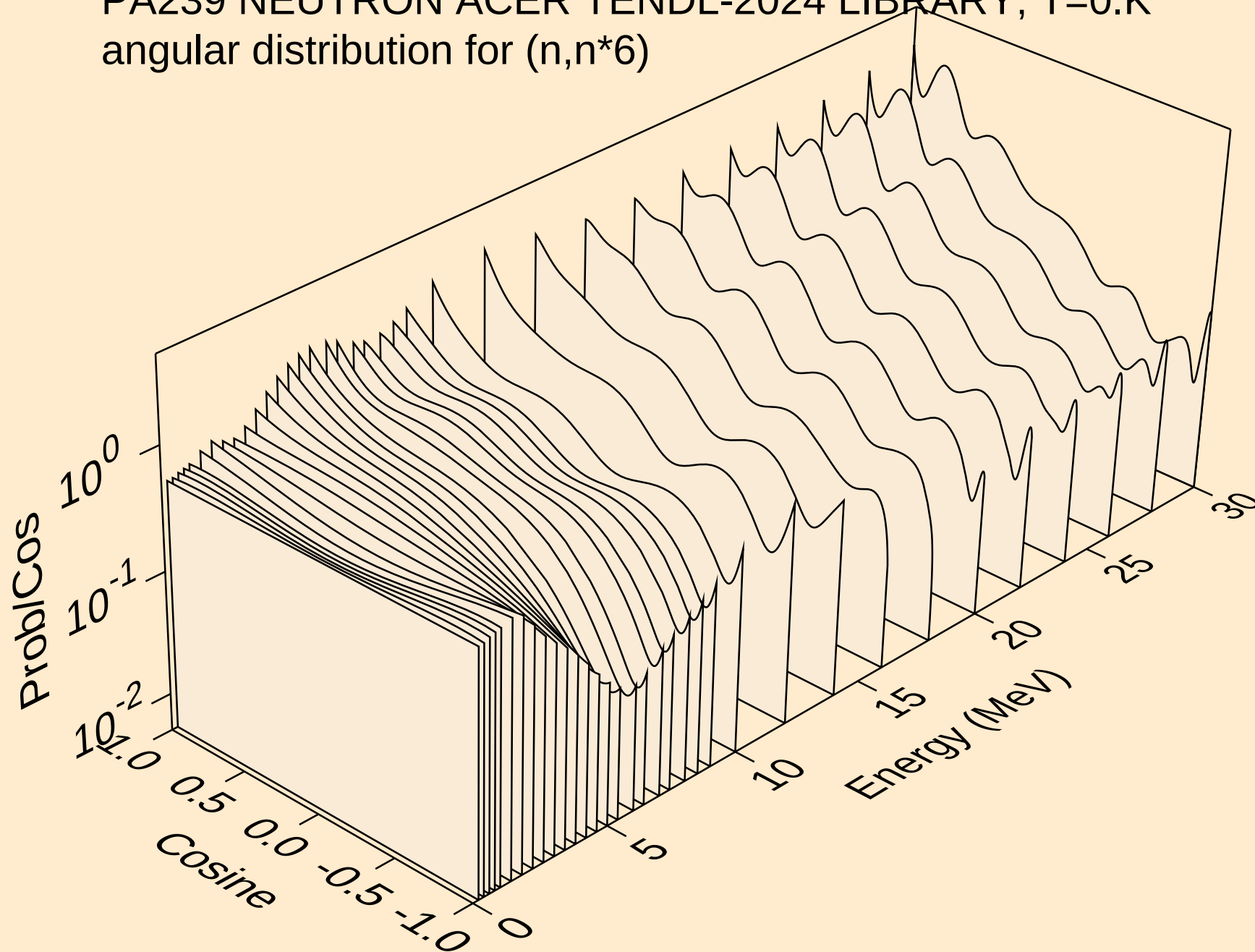
PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*4)



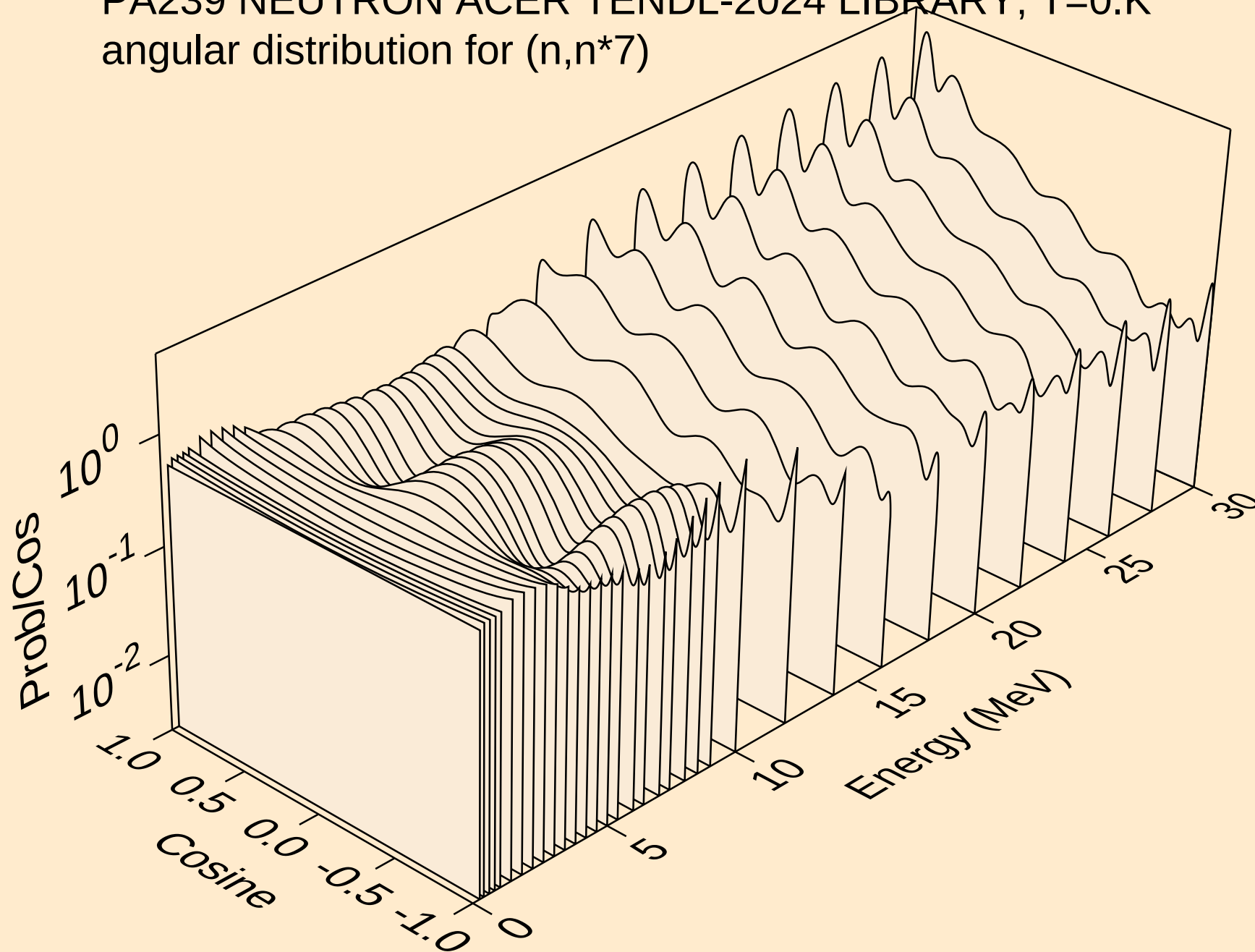
PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*5)



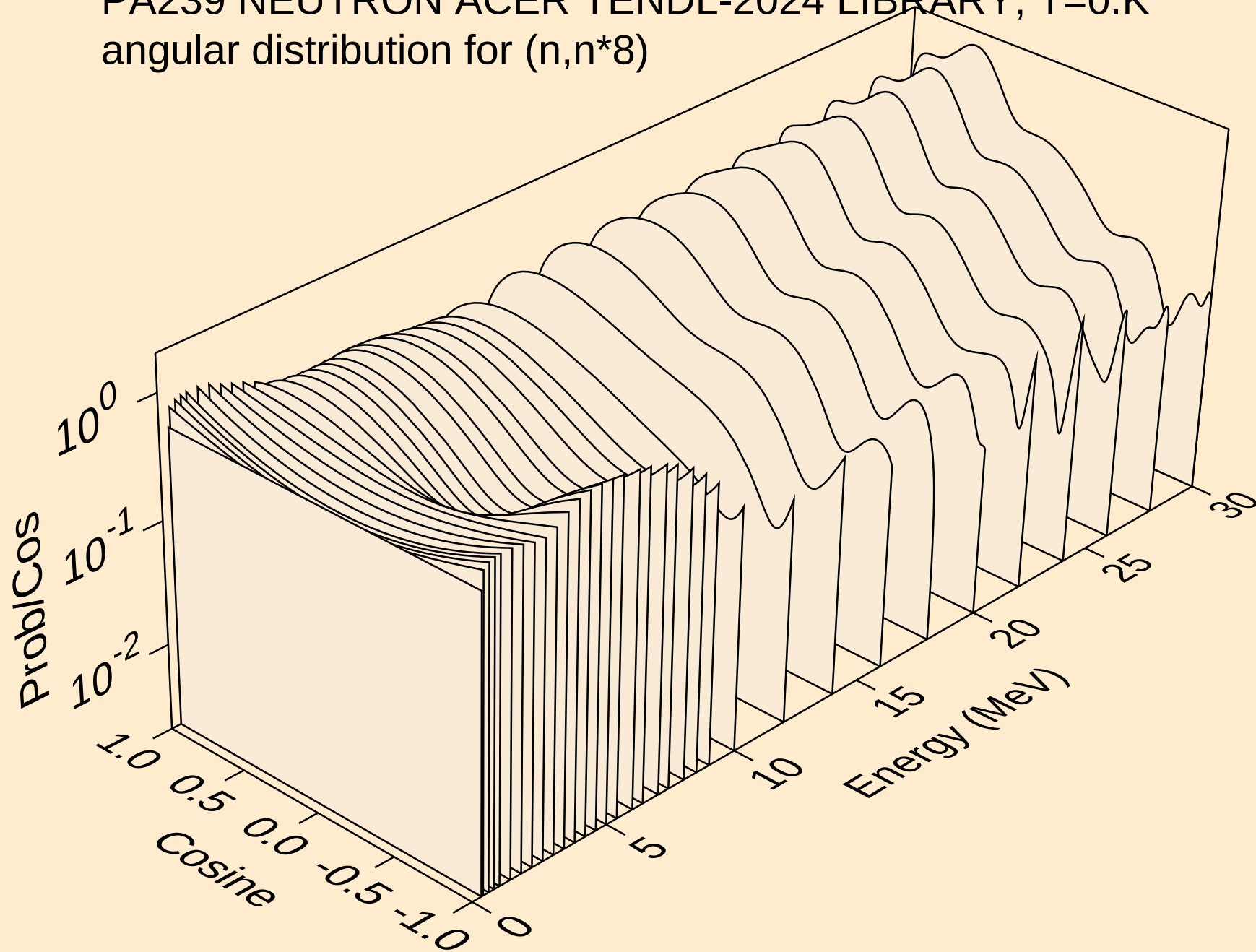
PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*6)



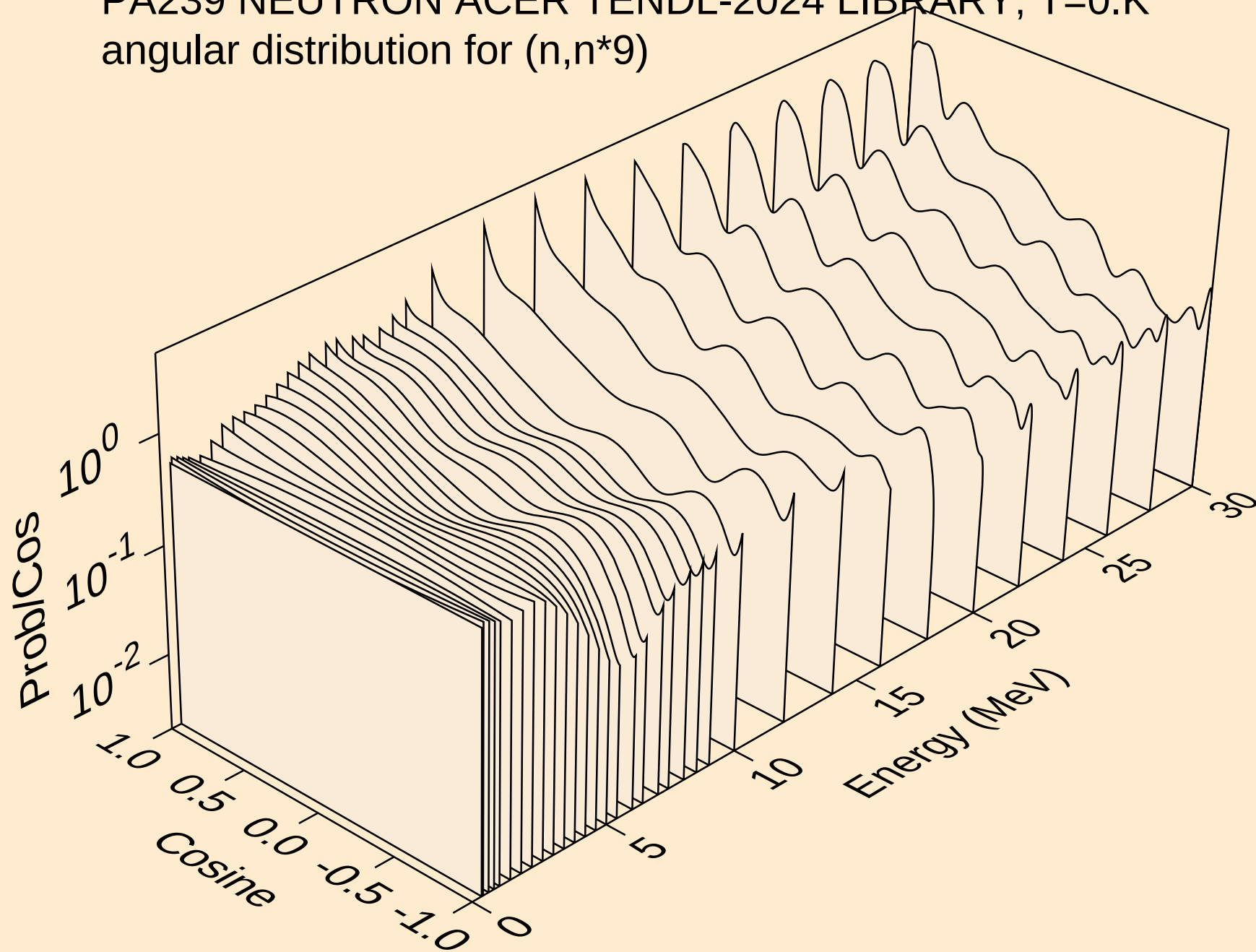
PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*7)



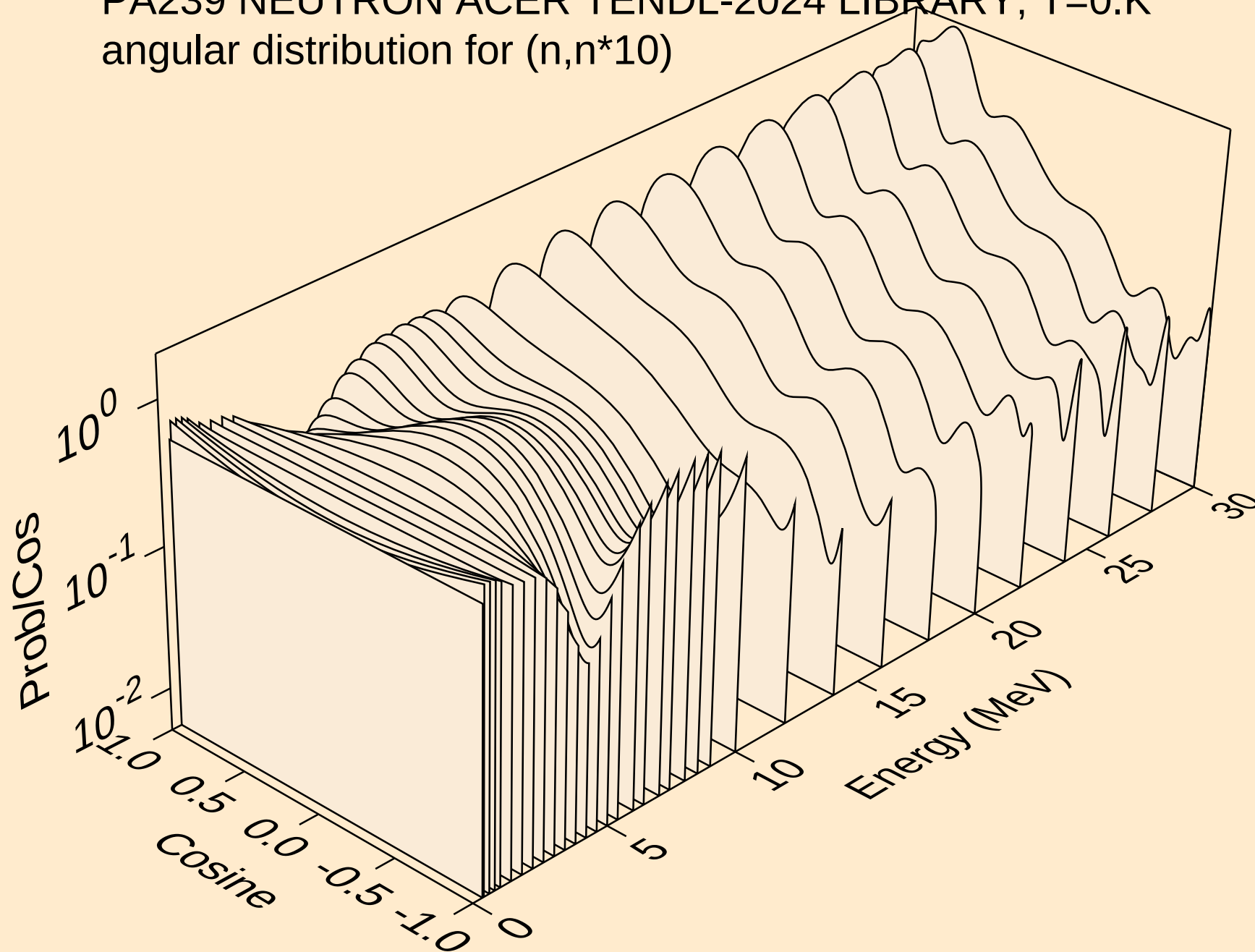
PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*8)



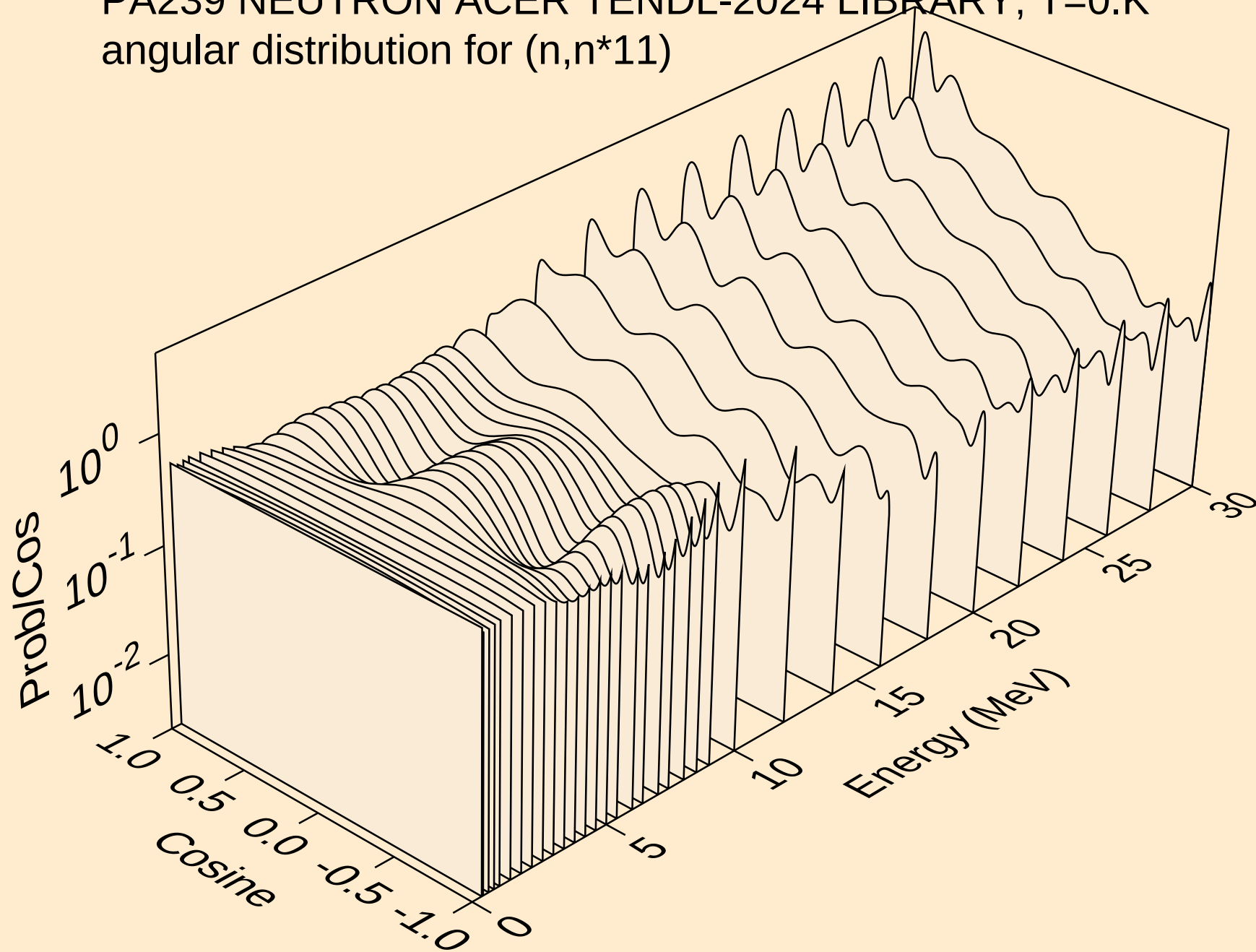
PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*9)



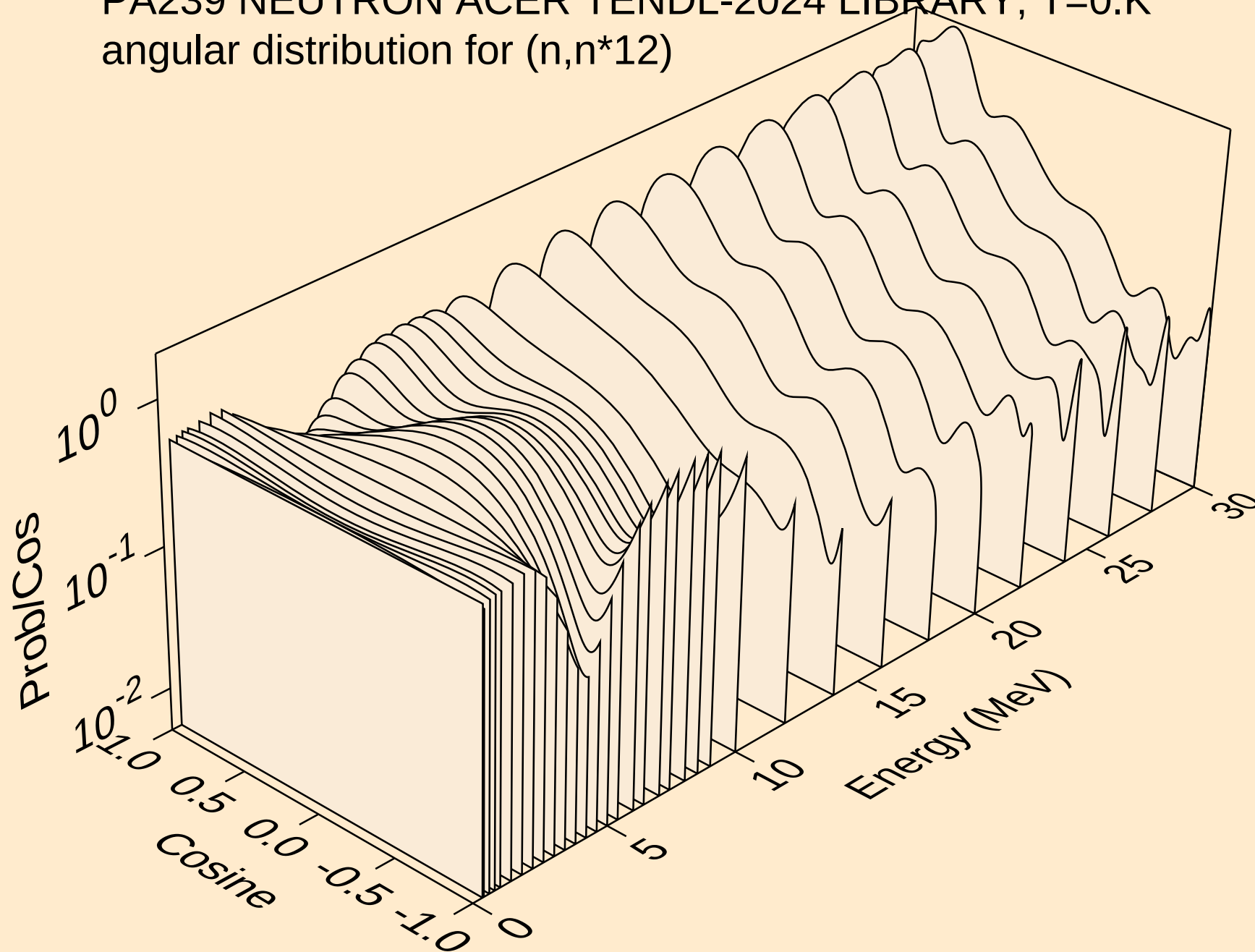
PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*10)



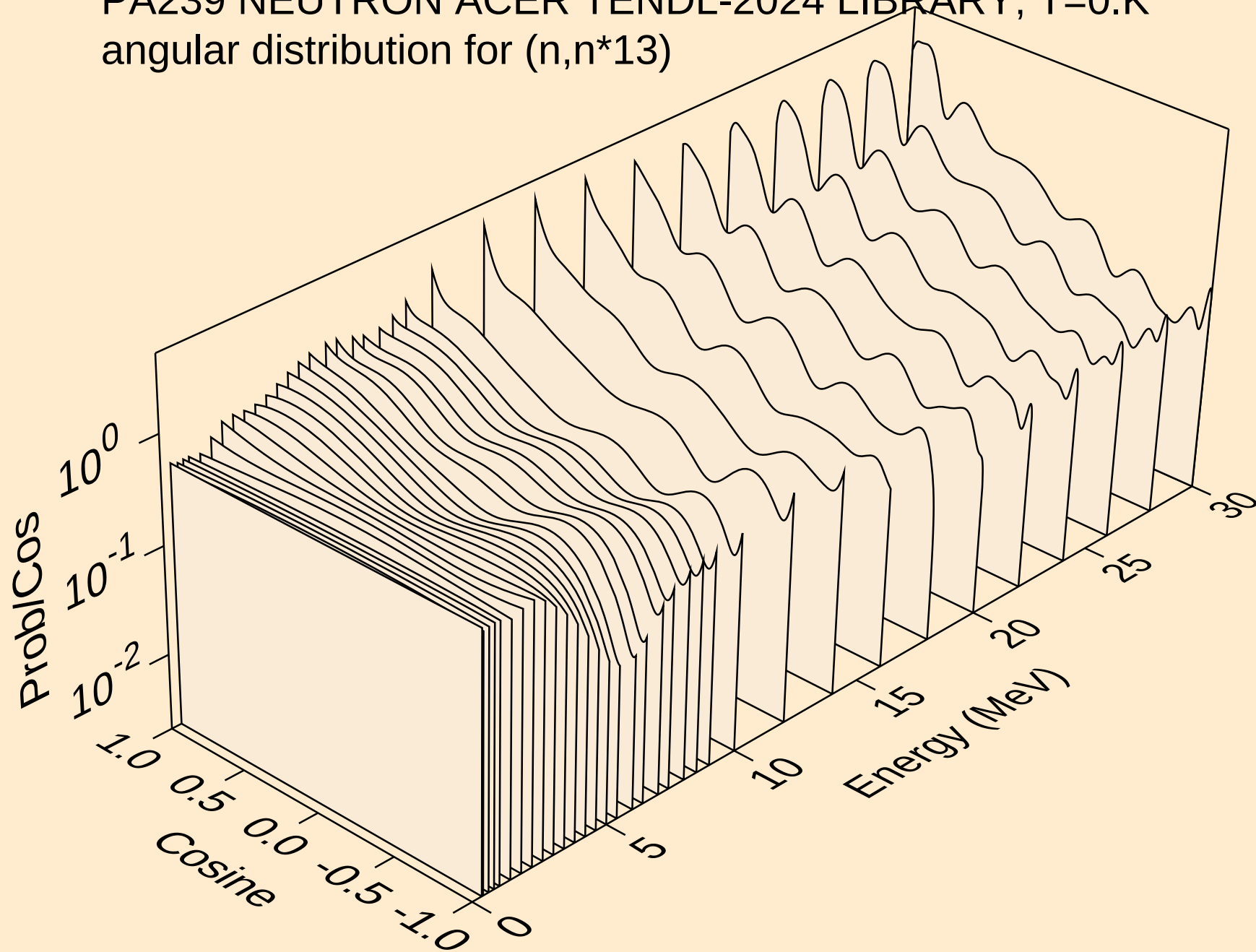
PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*11)



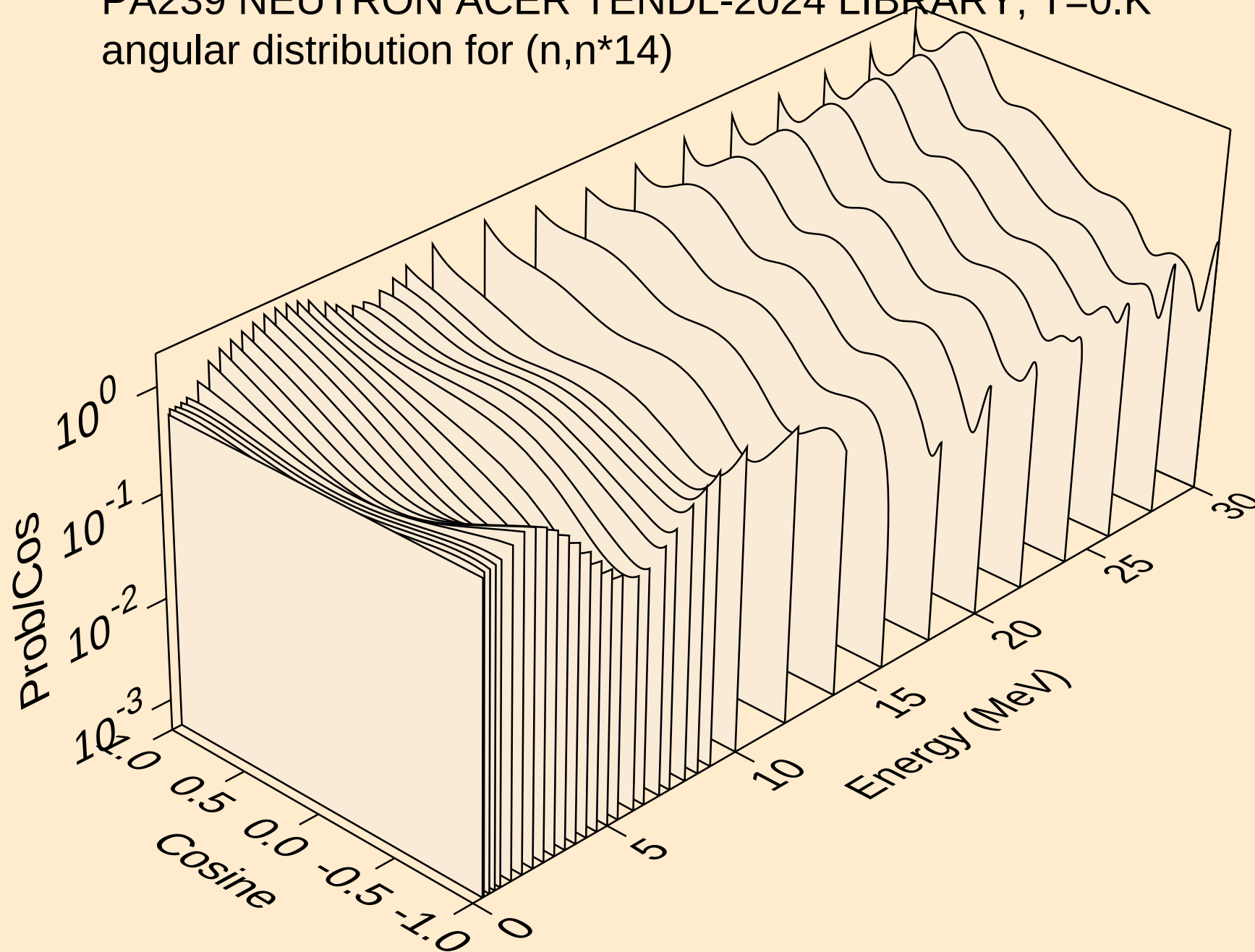
PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*12)



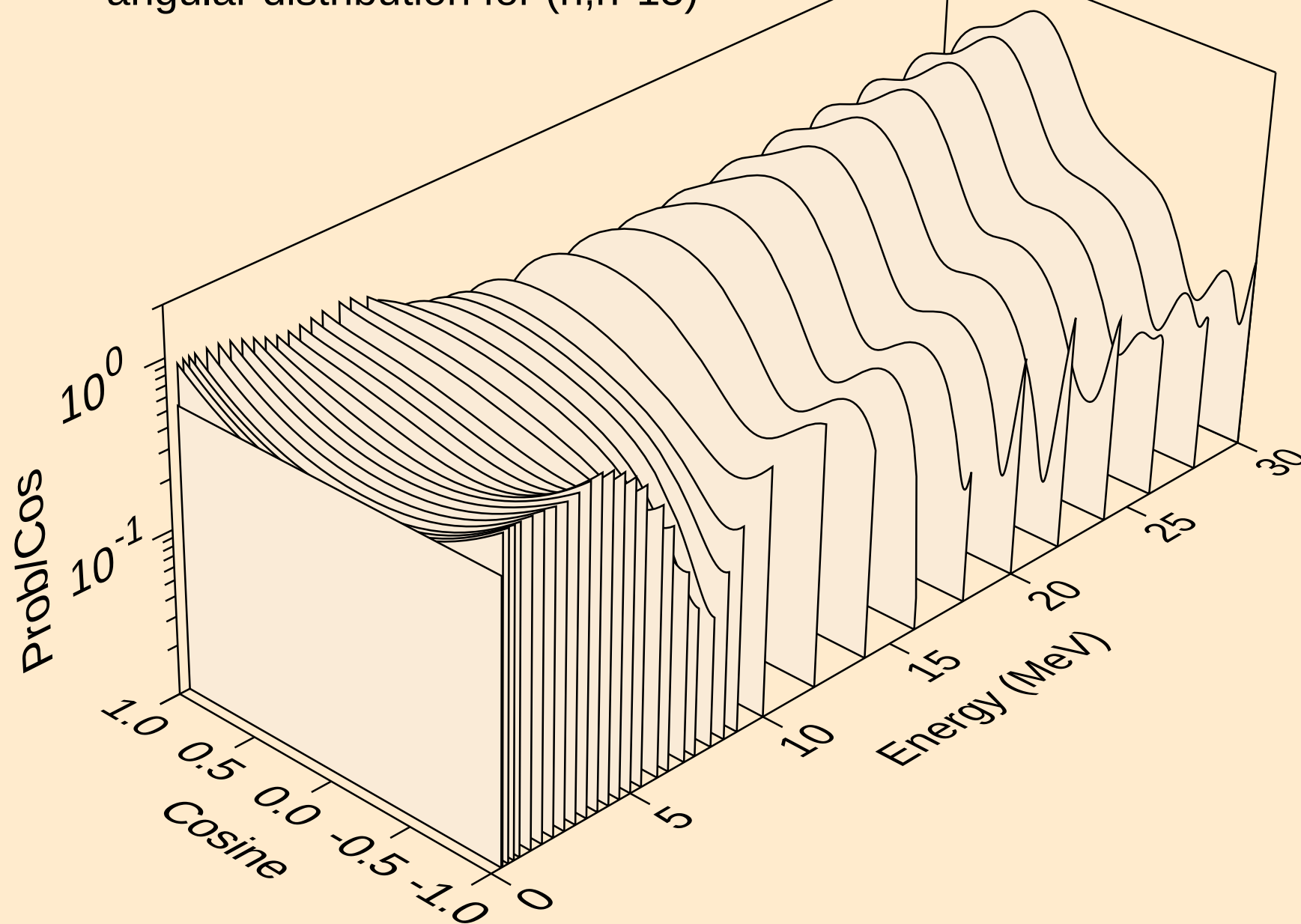
PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*13)



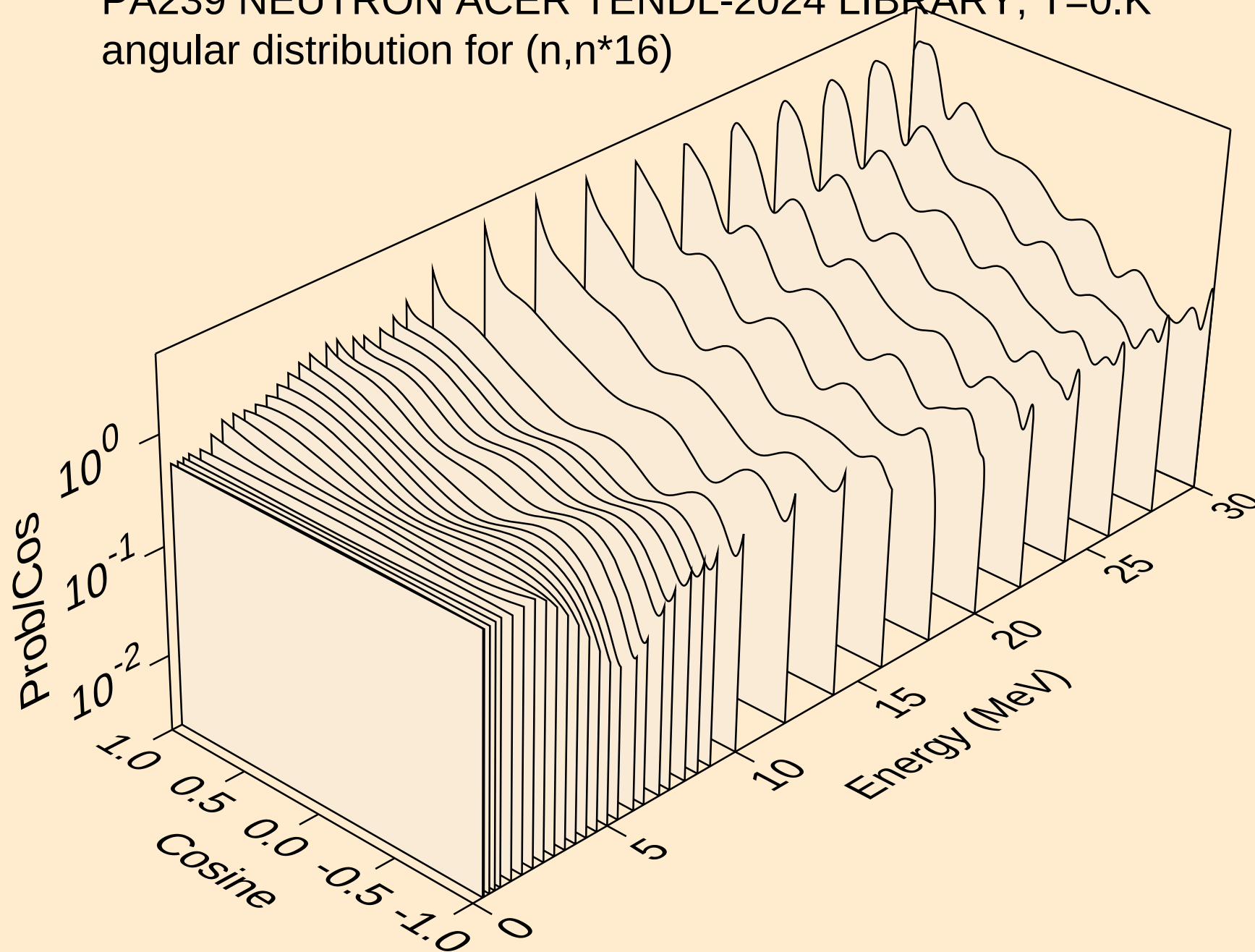
PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*14)



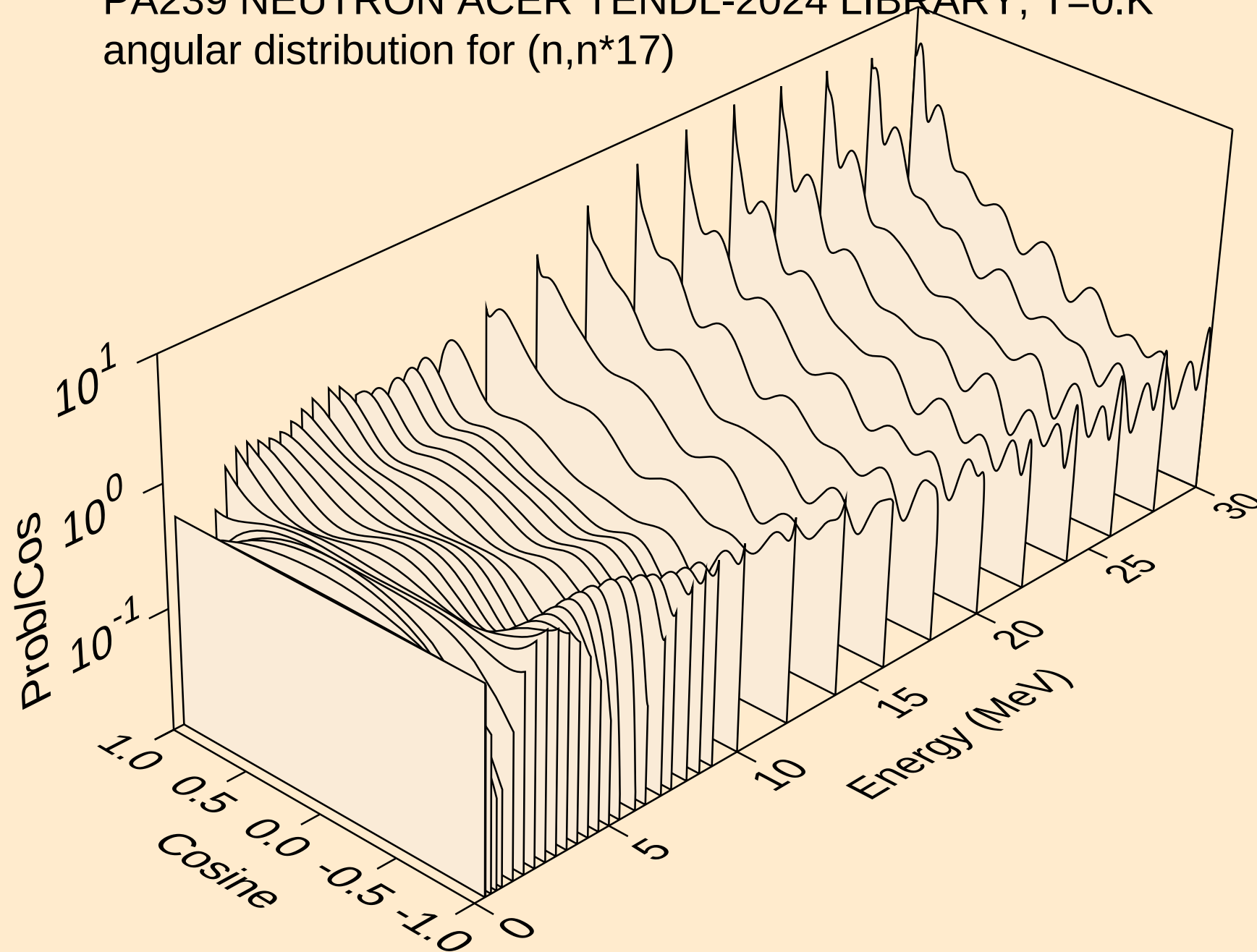
PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*15)



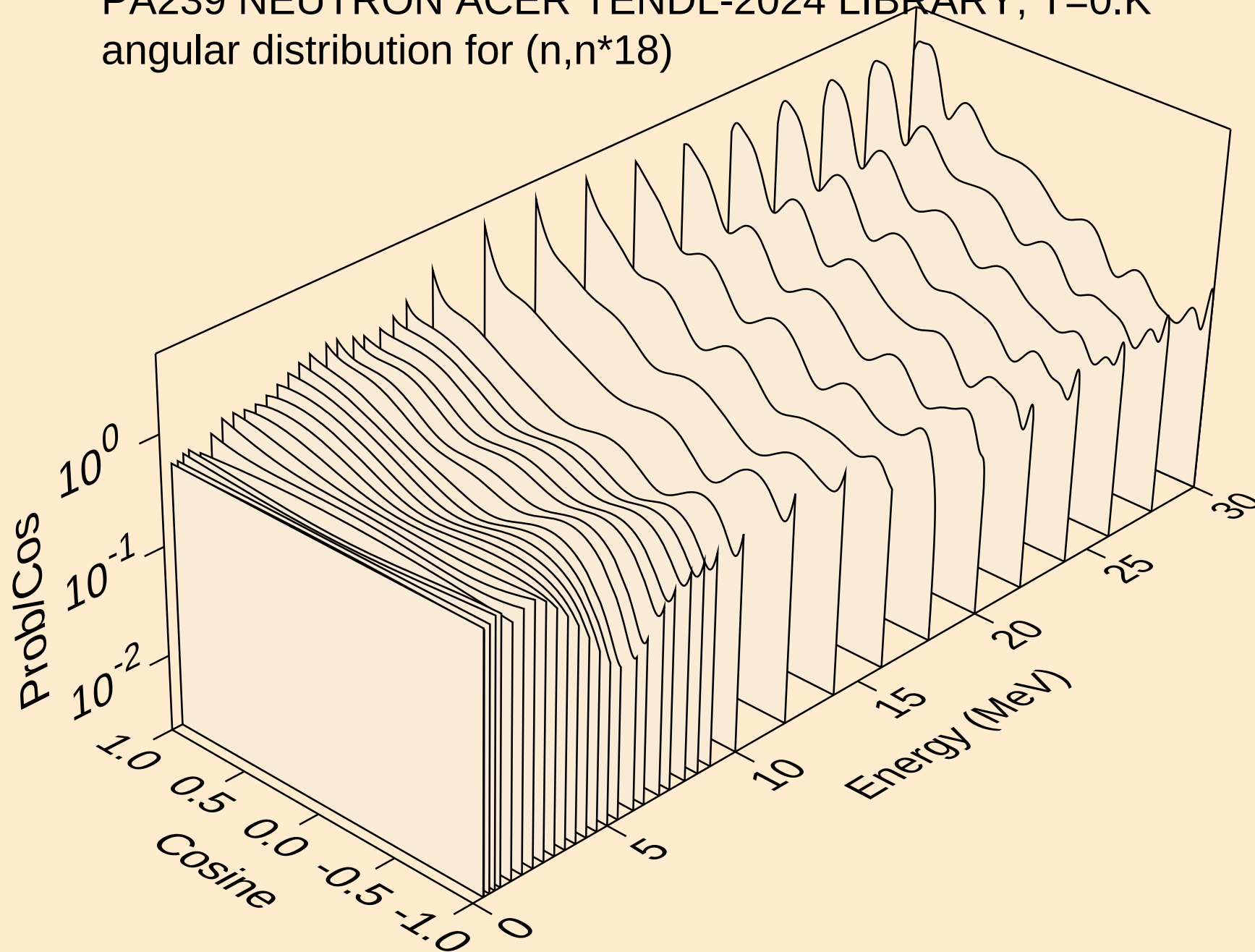
PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*16)



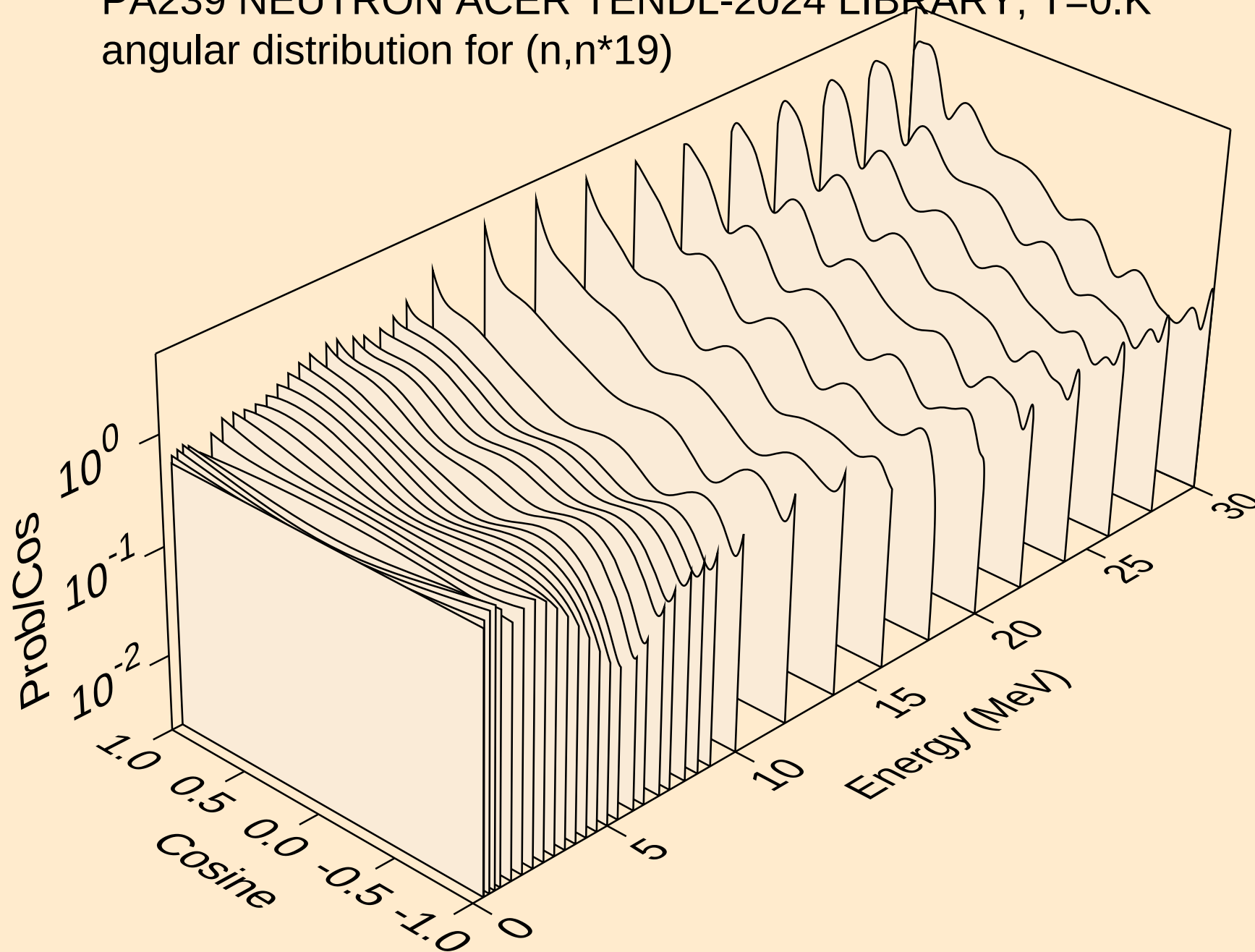
PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*17)



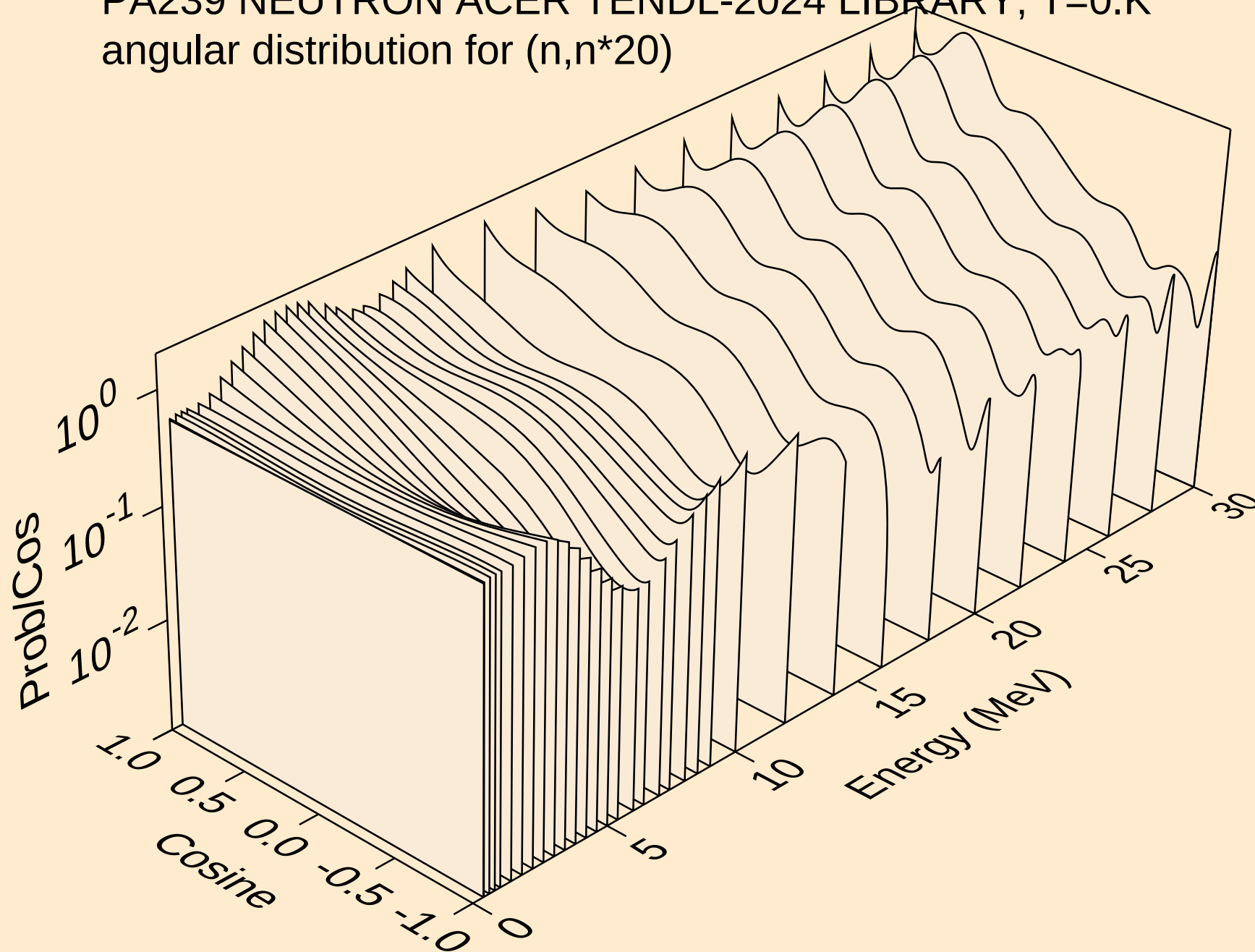
PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*18)



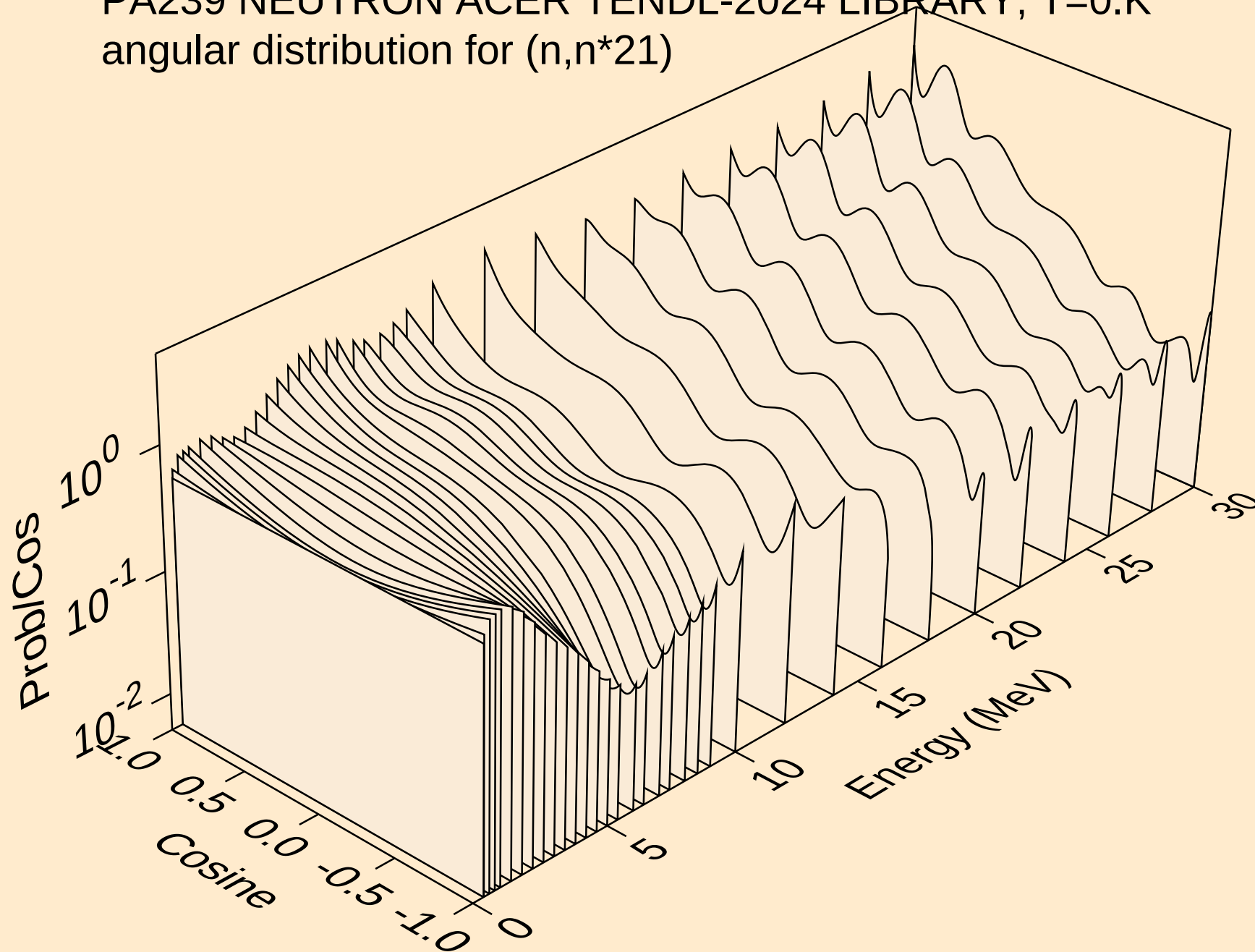
PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*19)



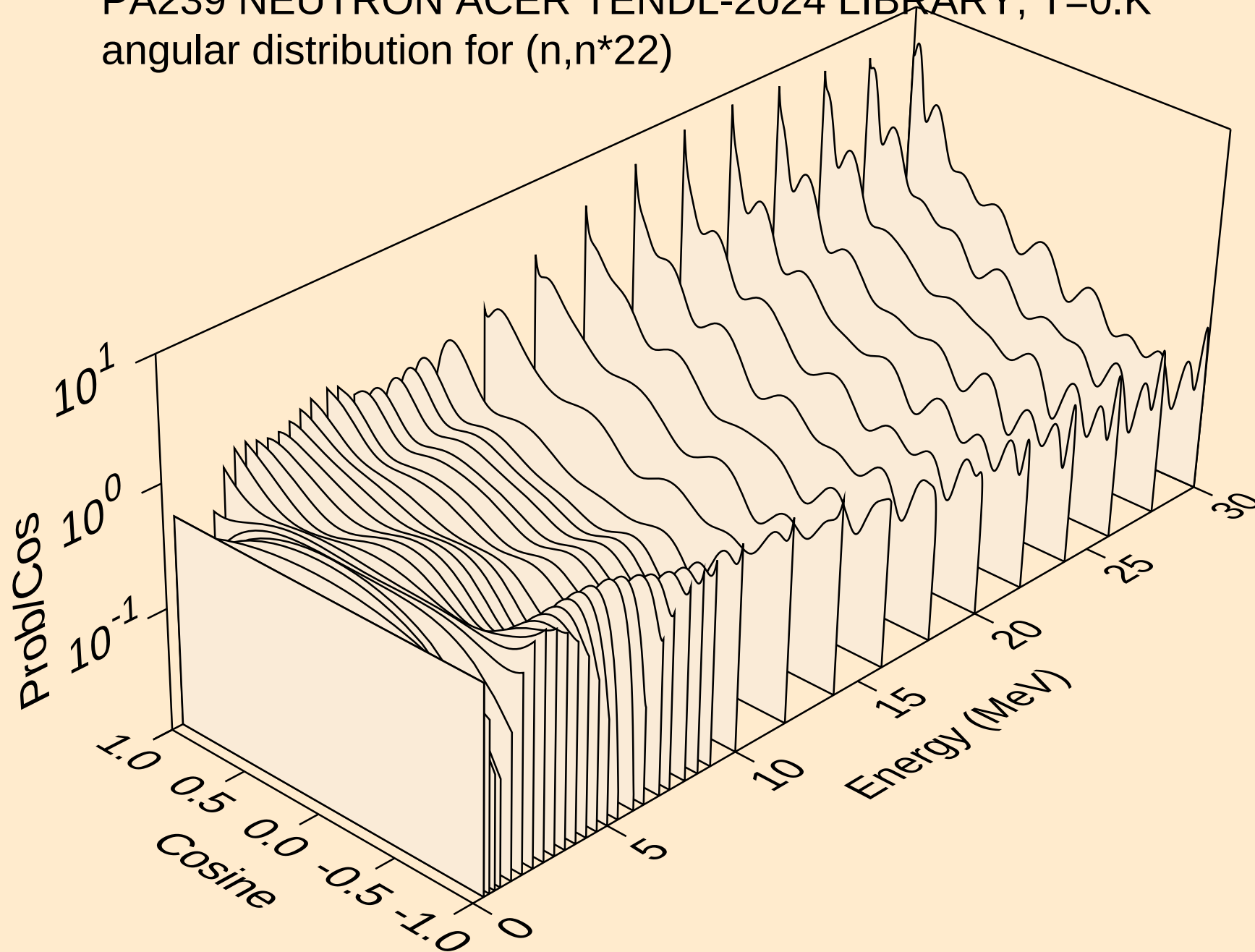
PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*20)



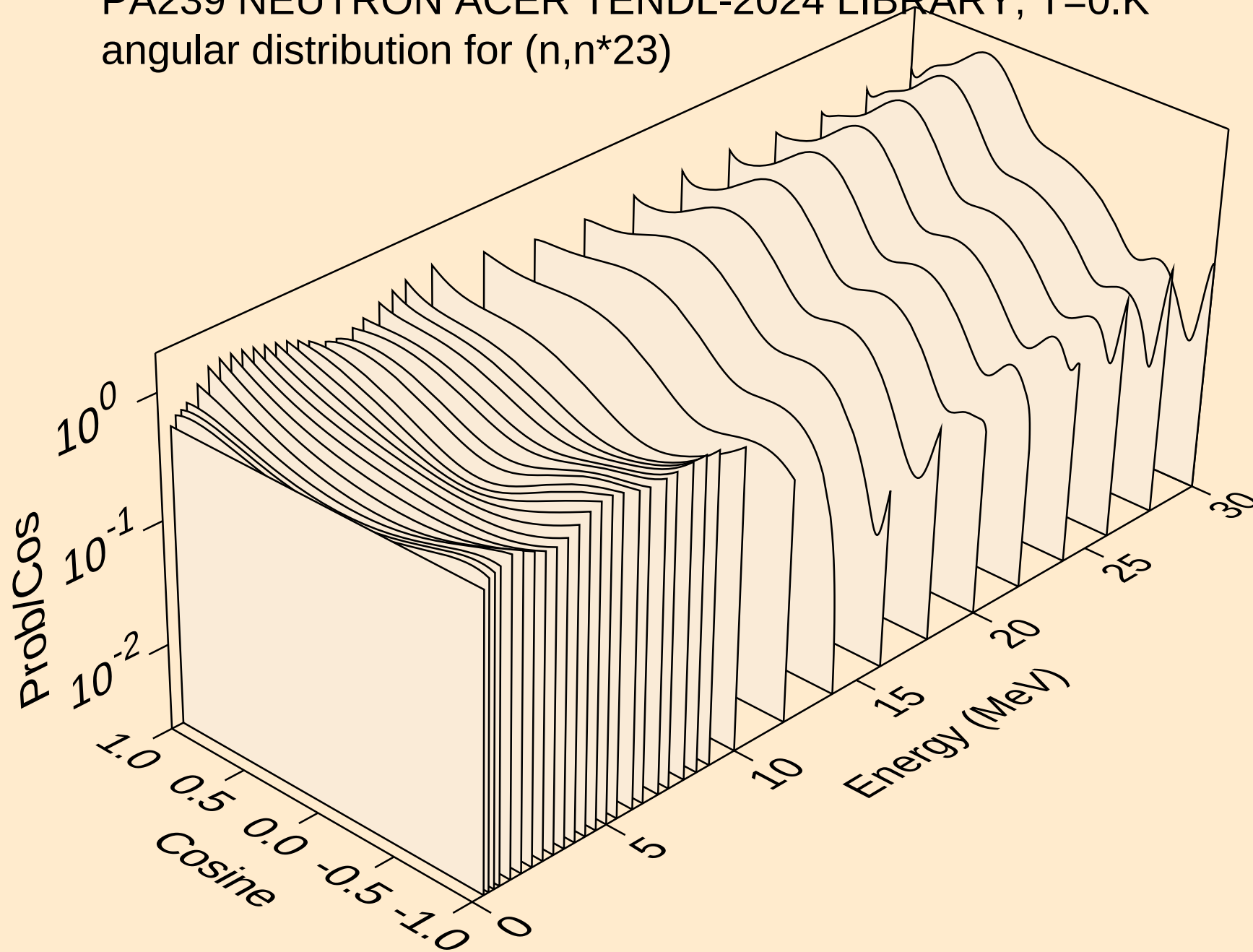
PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*21)



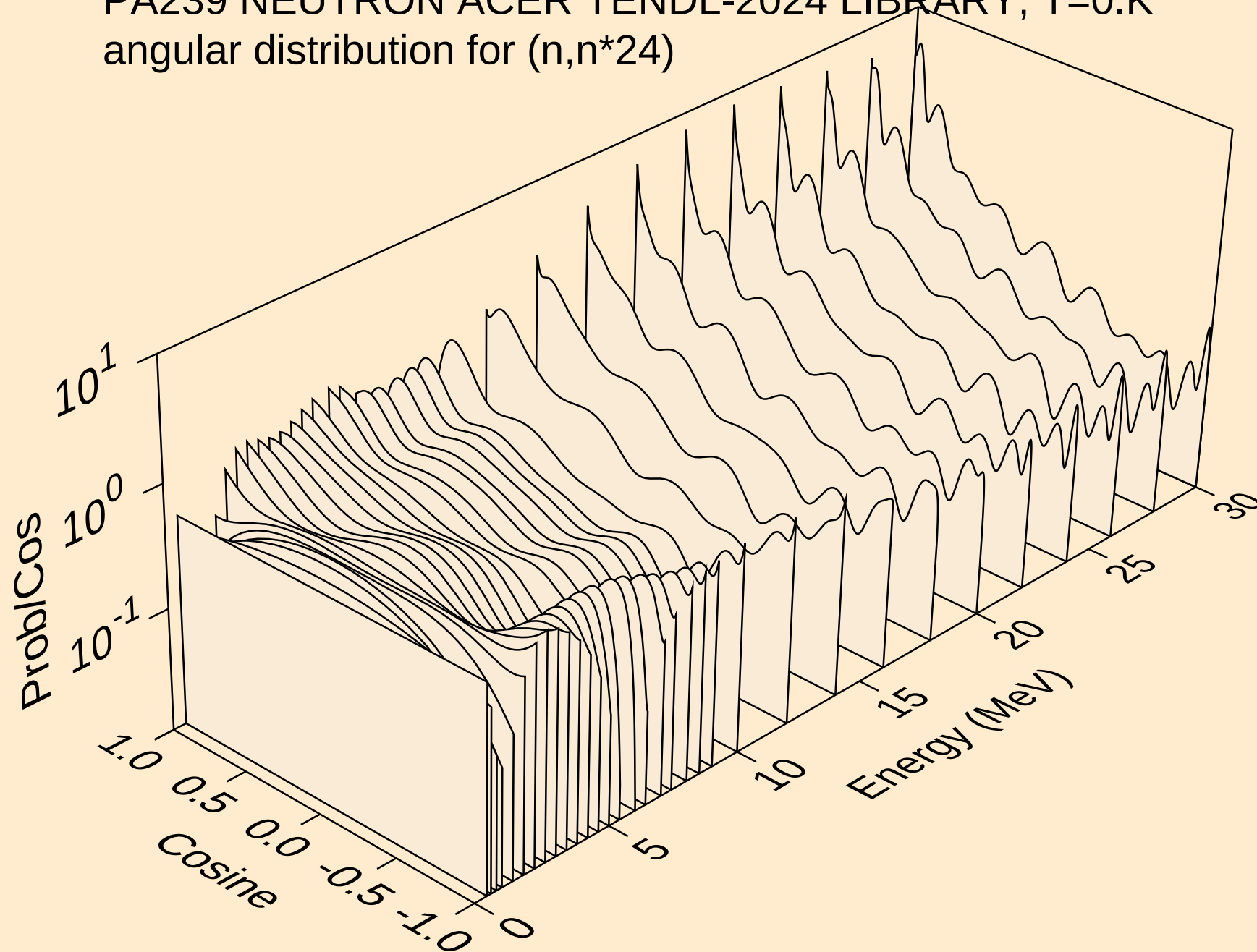
PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*22)



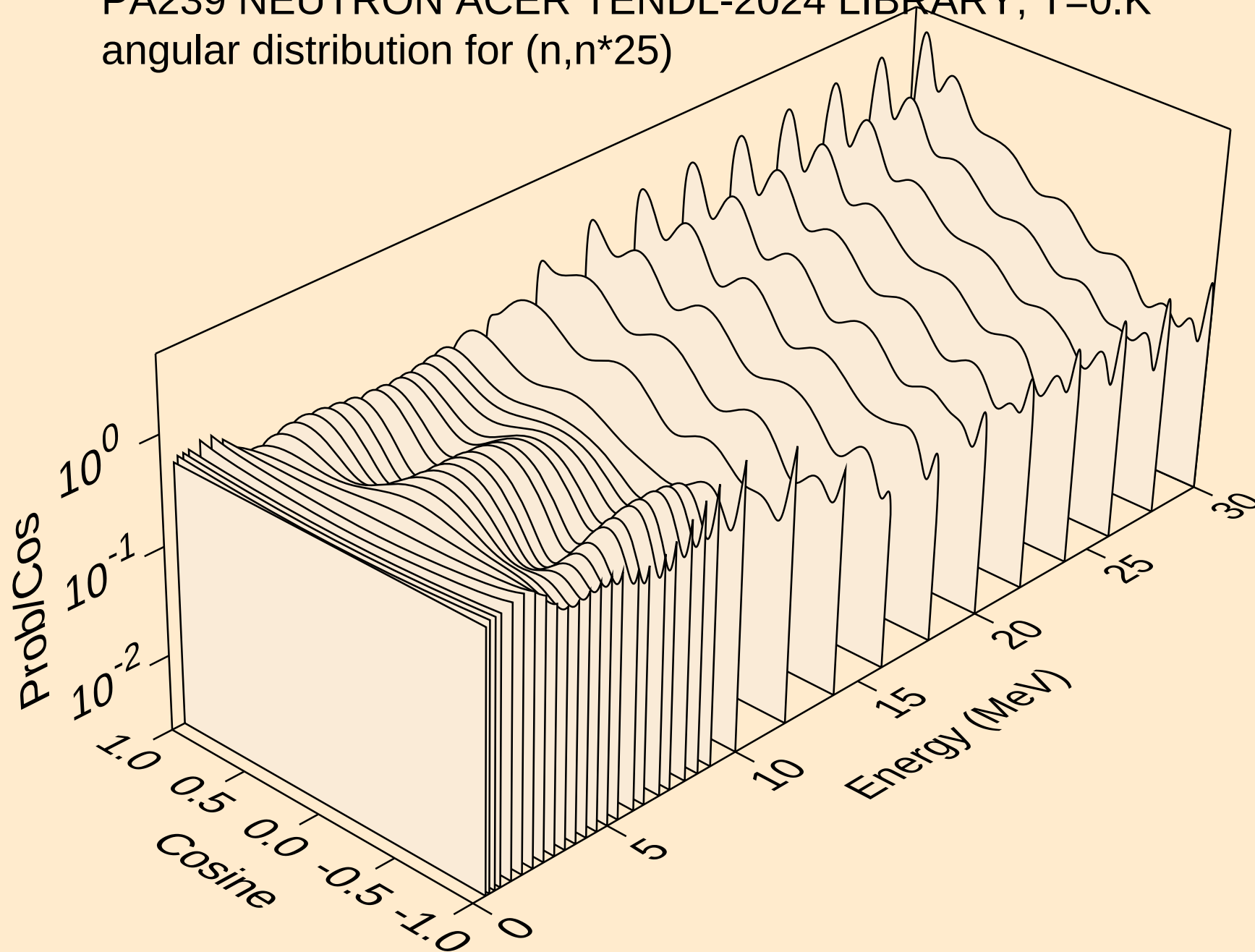
PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*23)



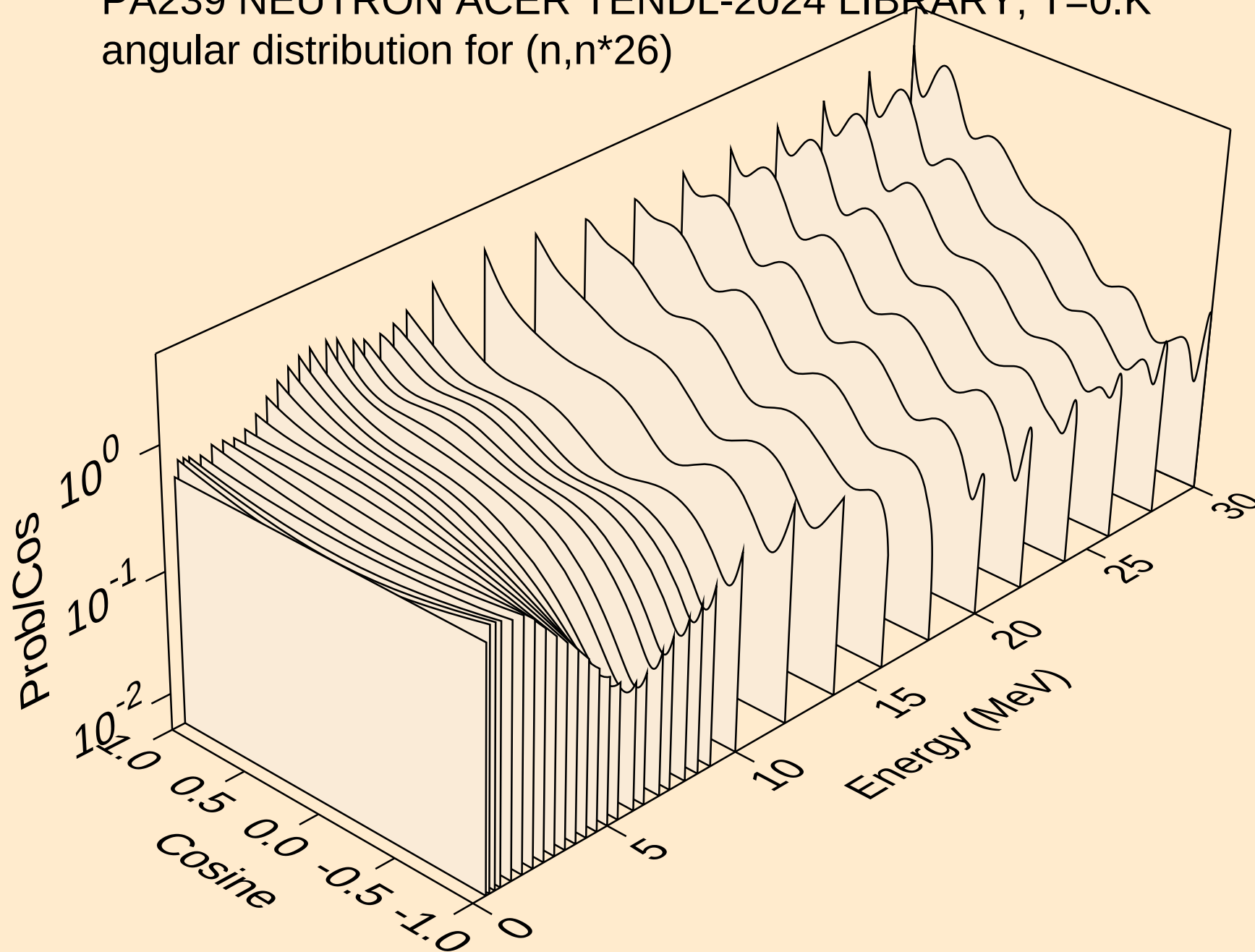
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angular distribution for (n,n\*24)



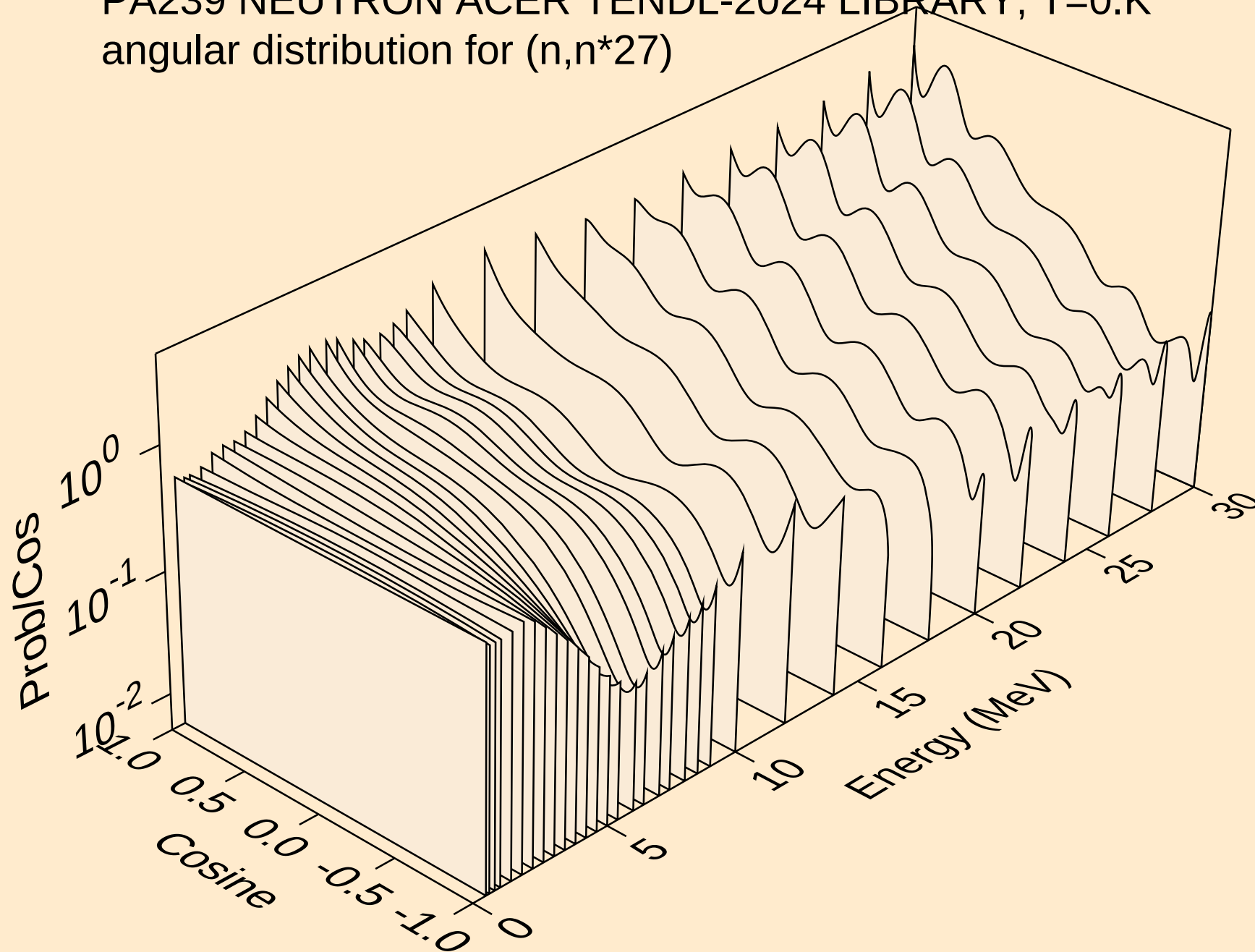
PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*25)



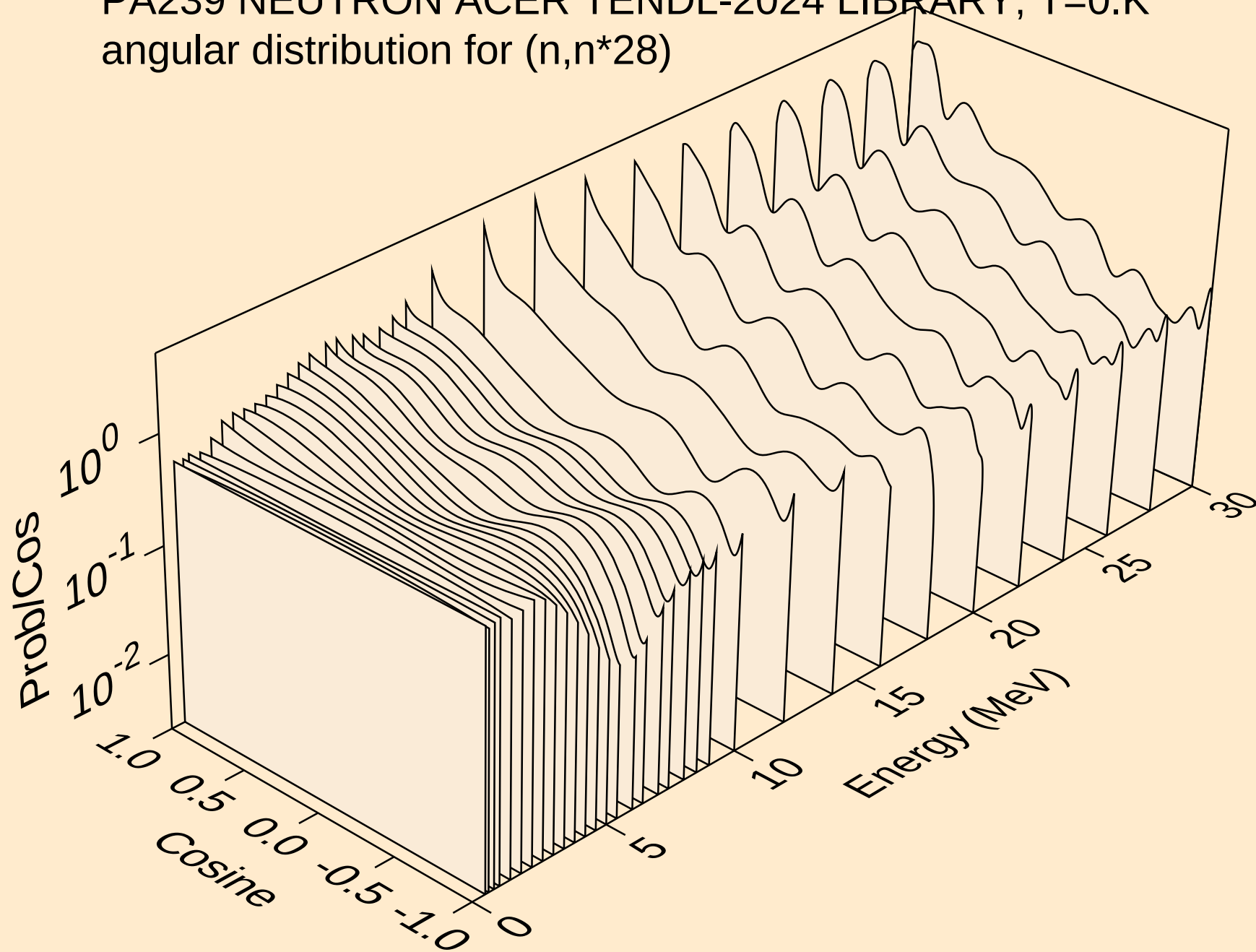
PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*26)



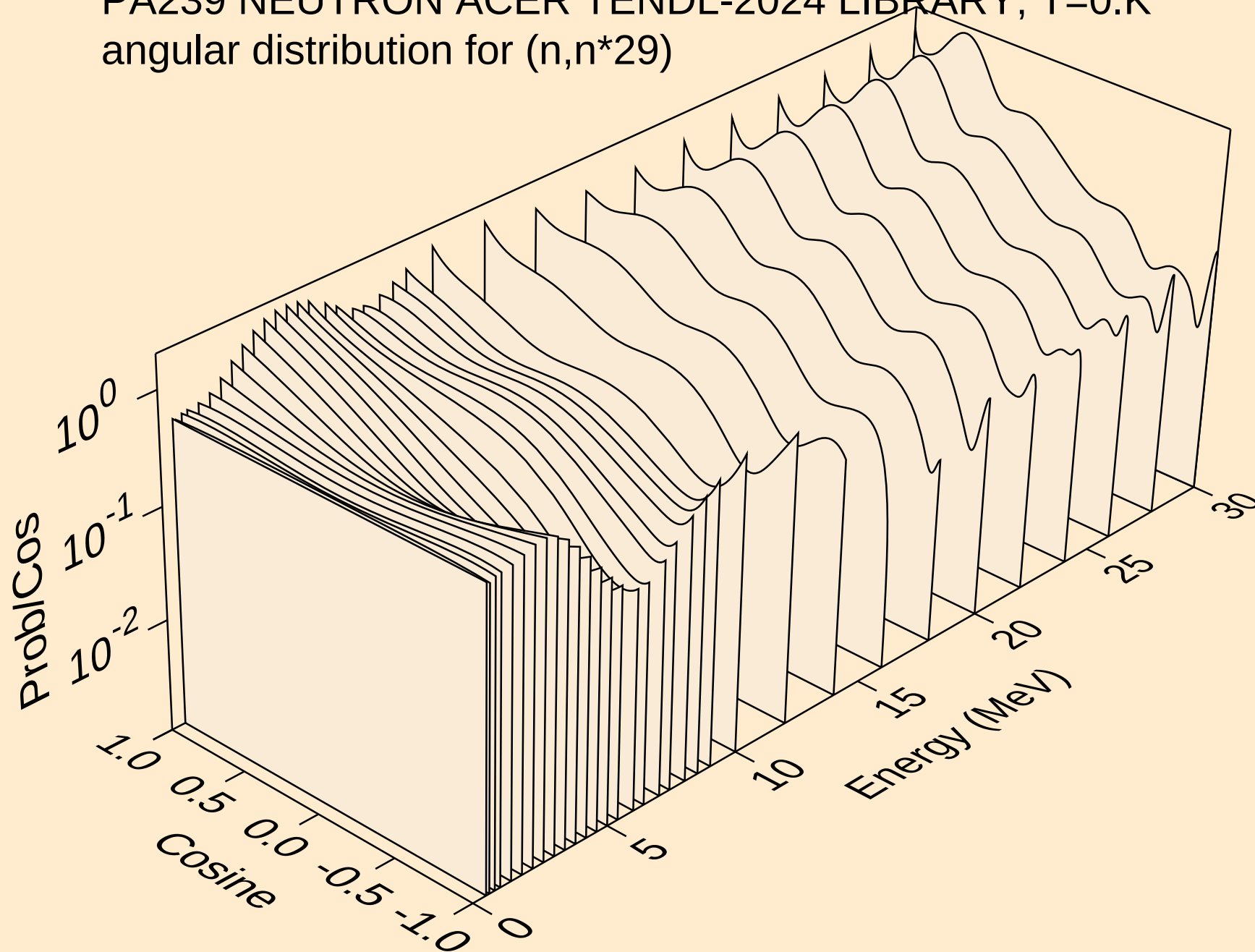
PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*27)



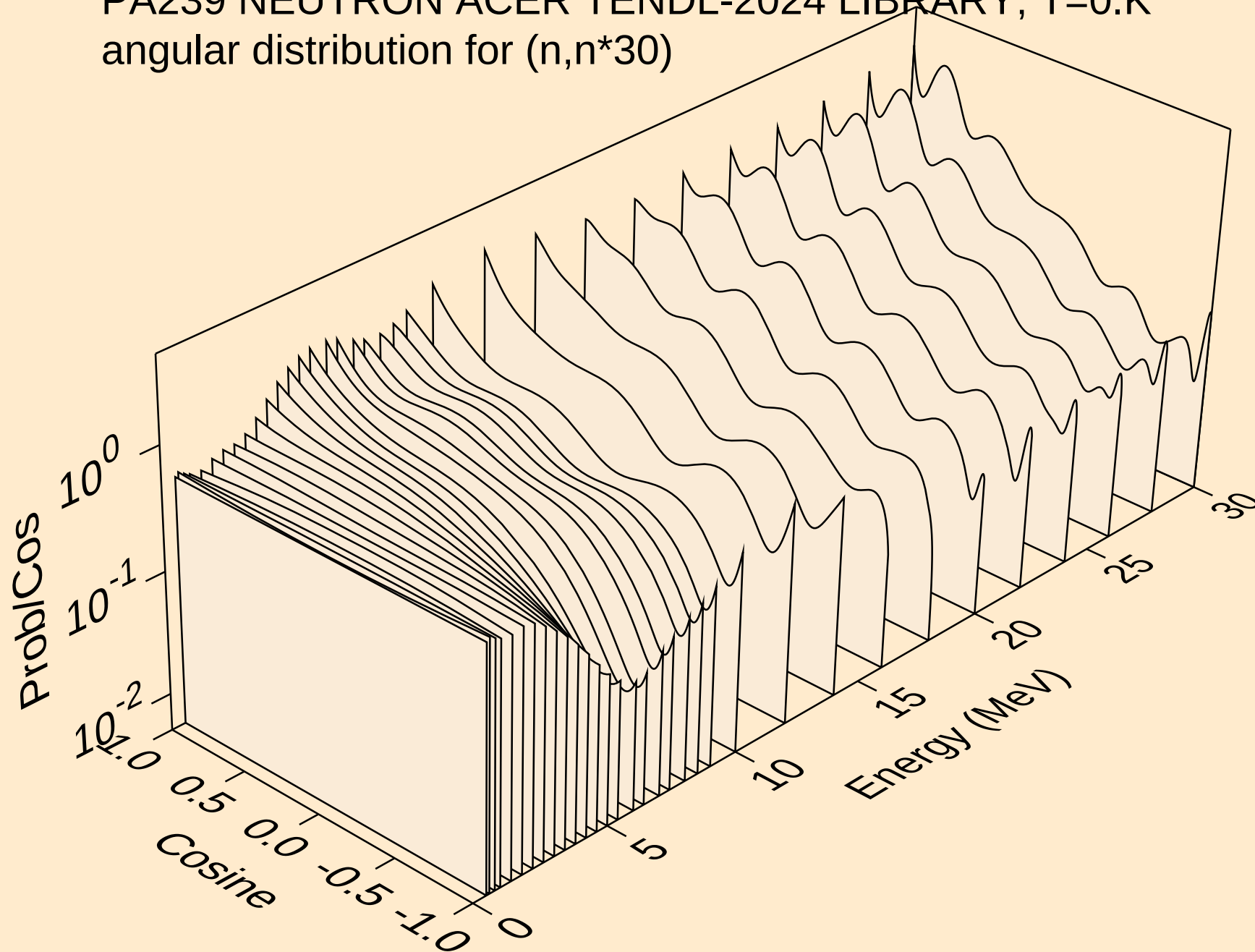
PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*28)



PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*29)

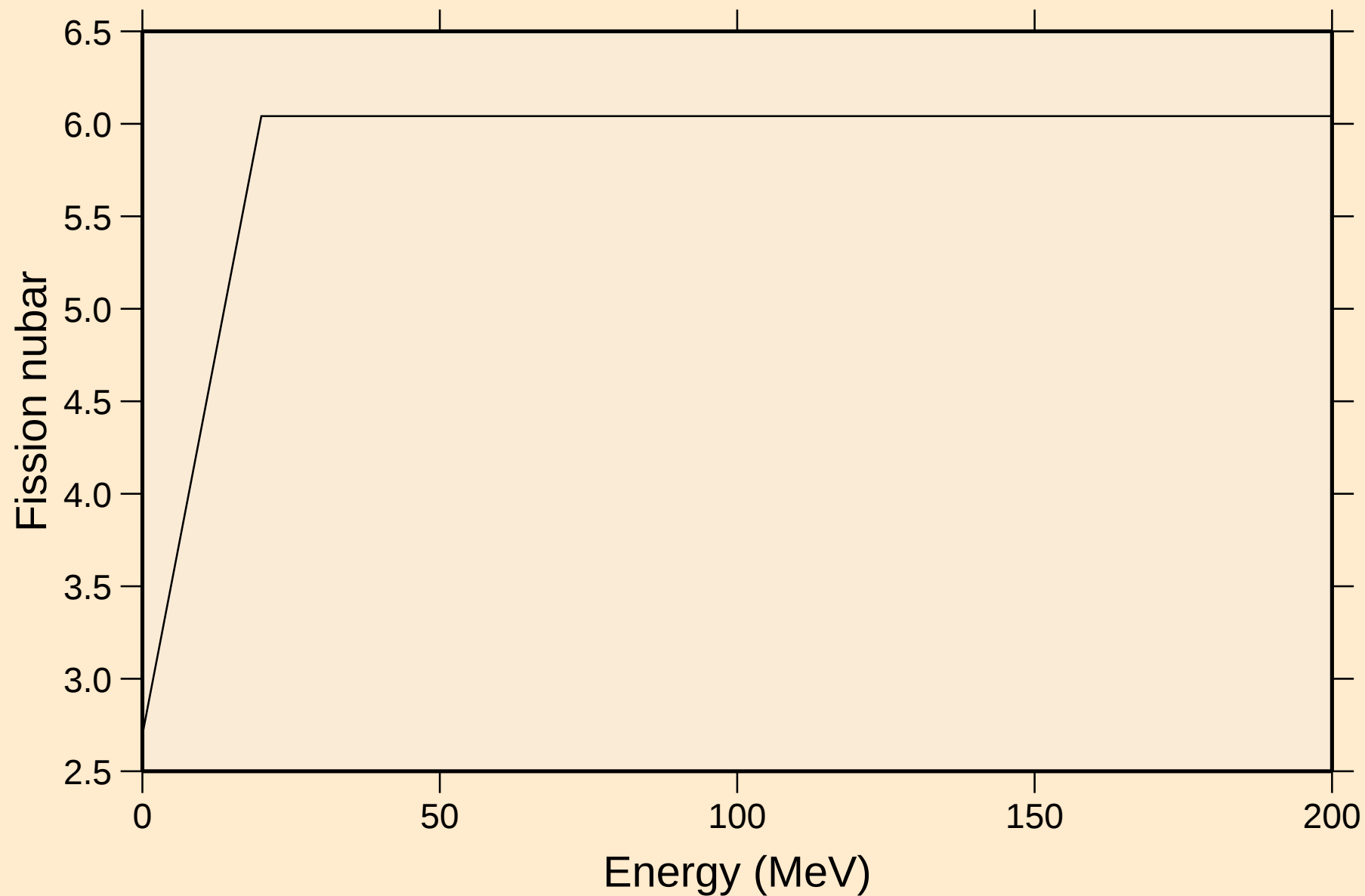


PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*30)

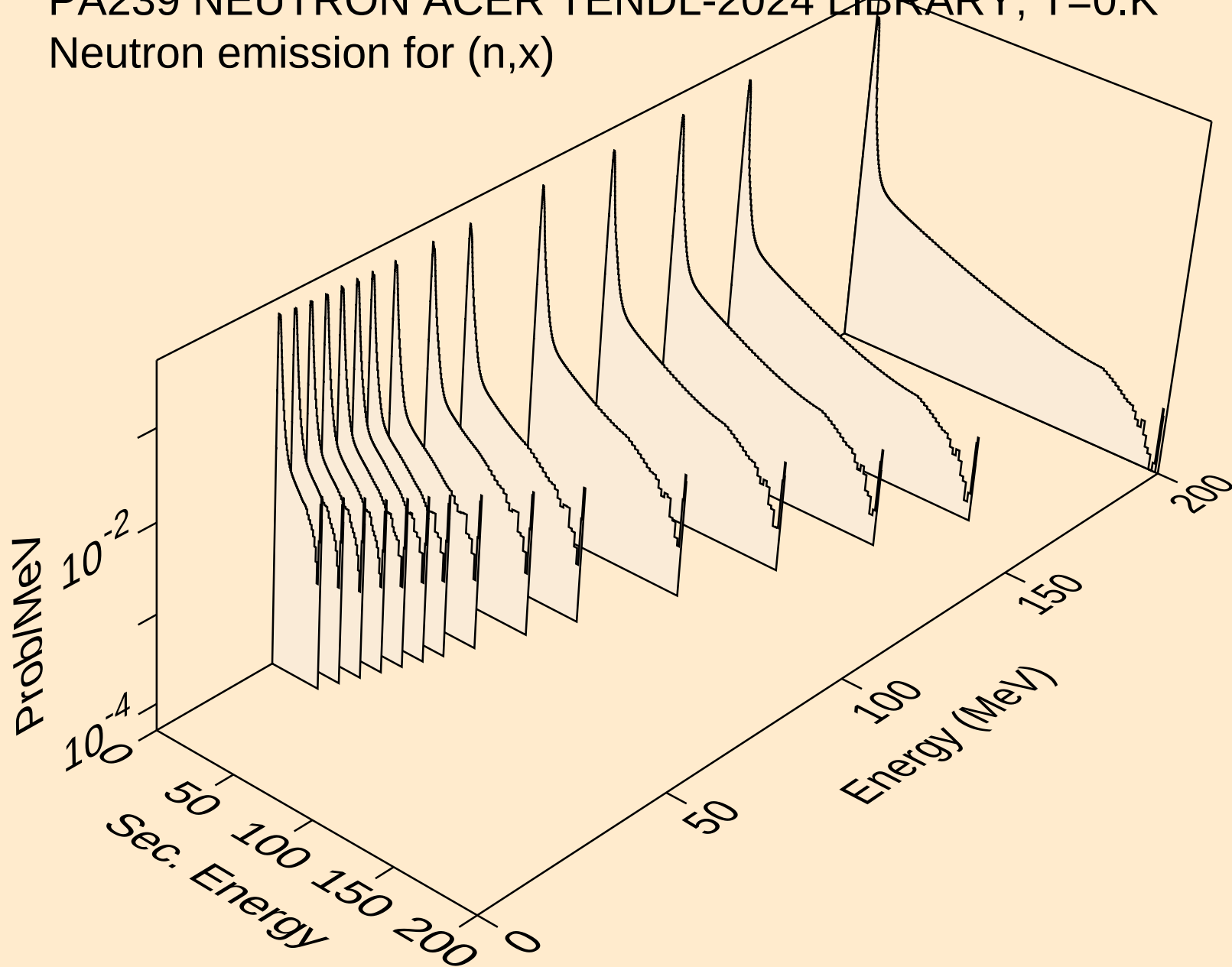


# PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

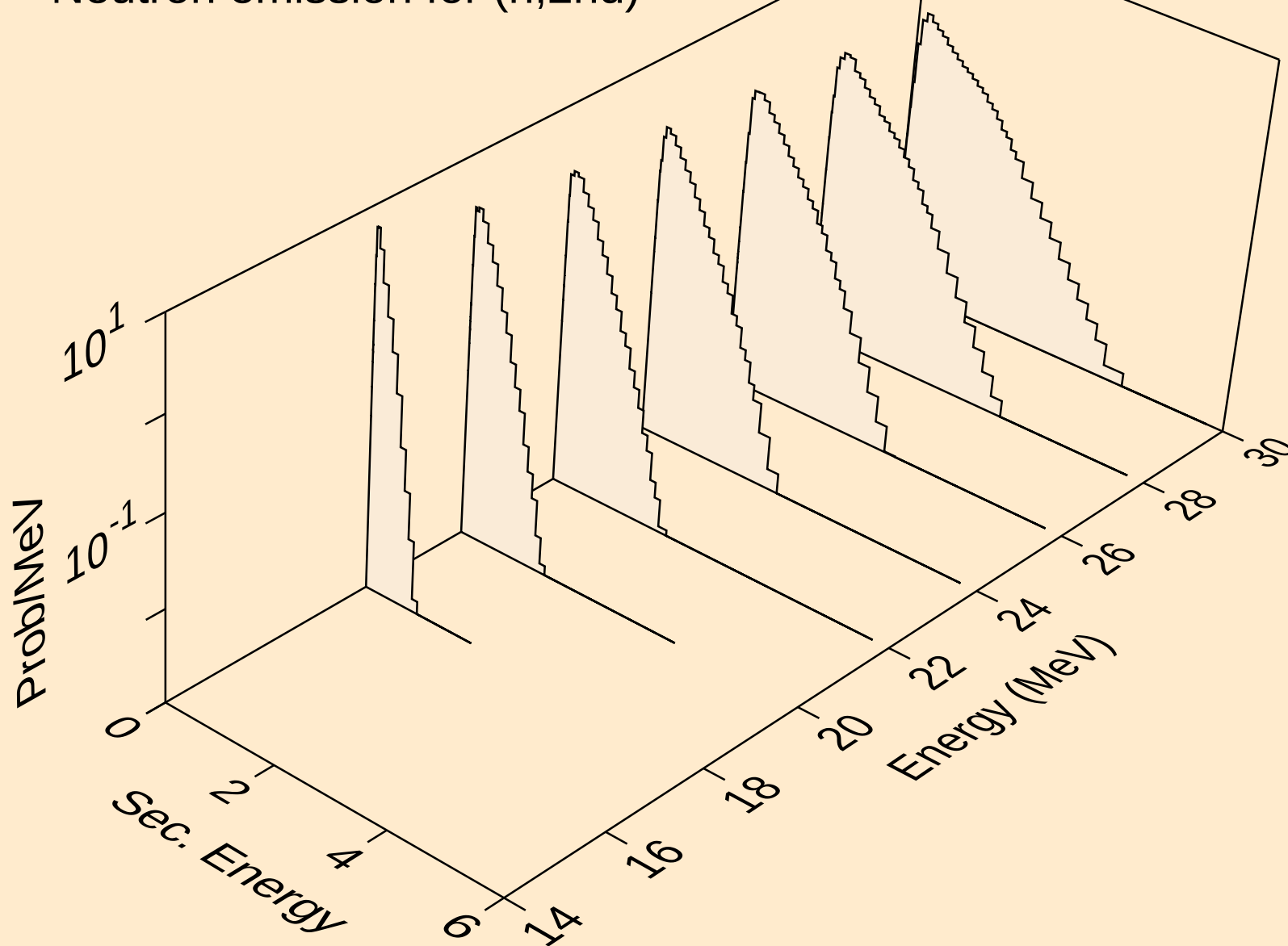
Total fission nubar



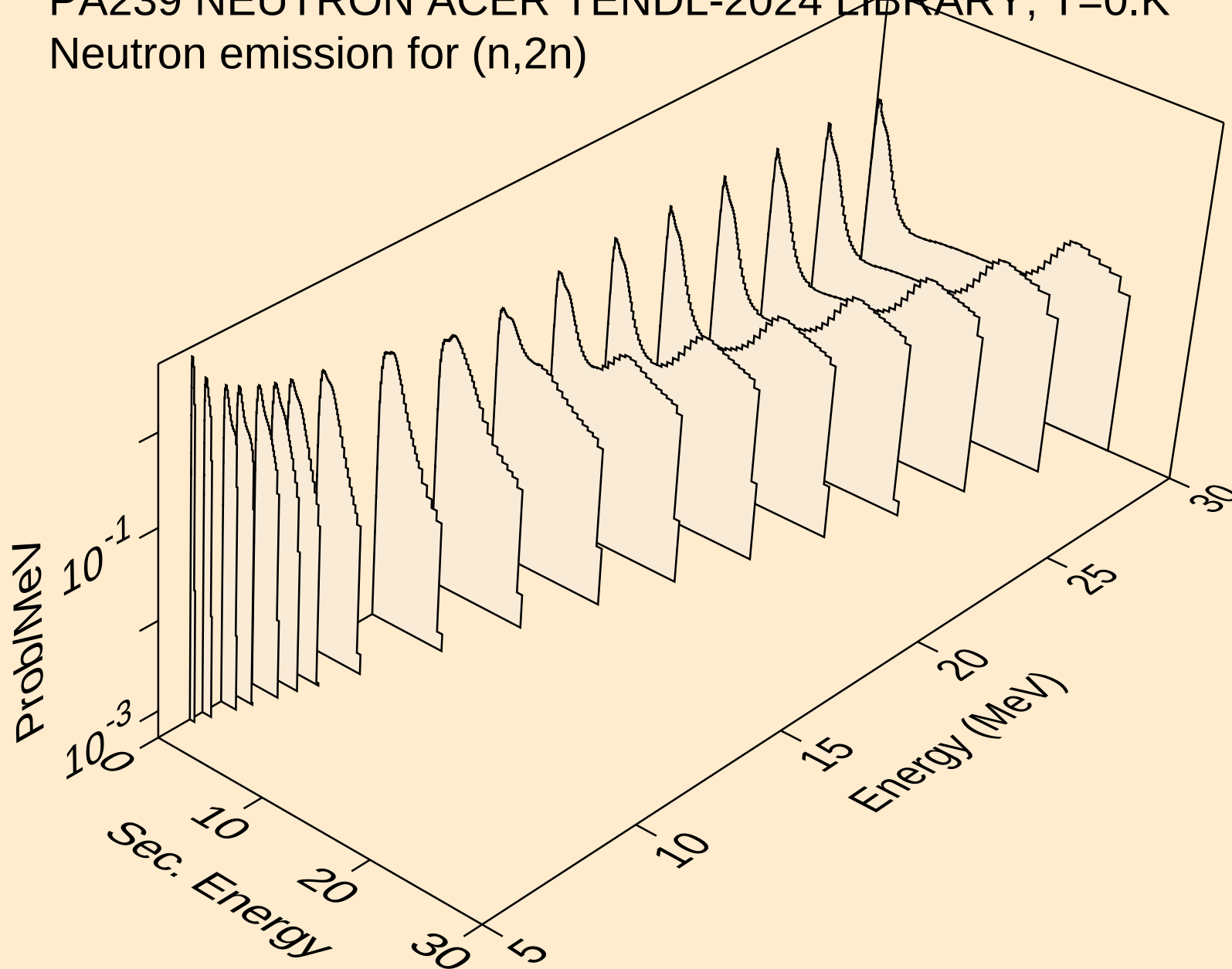
PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,x)



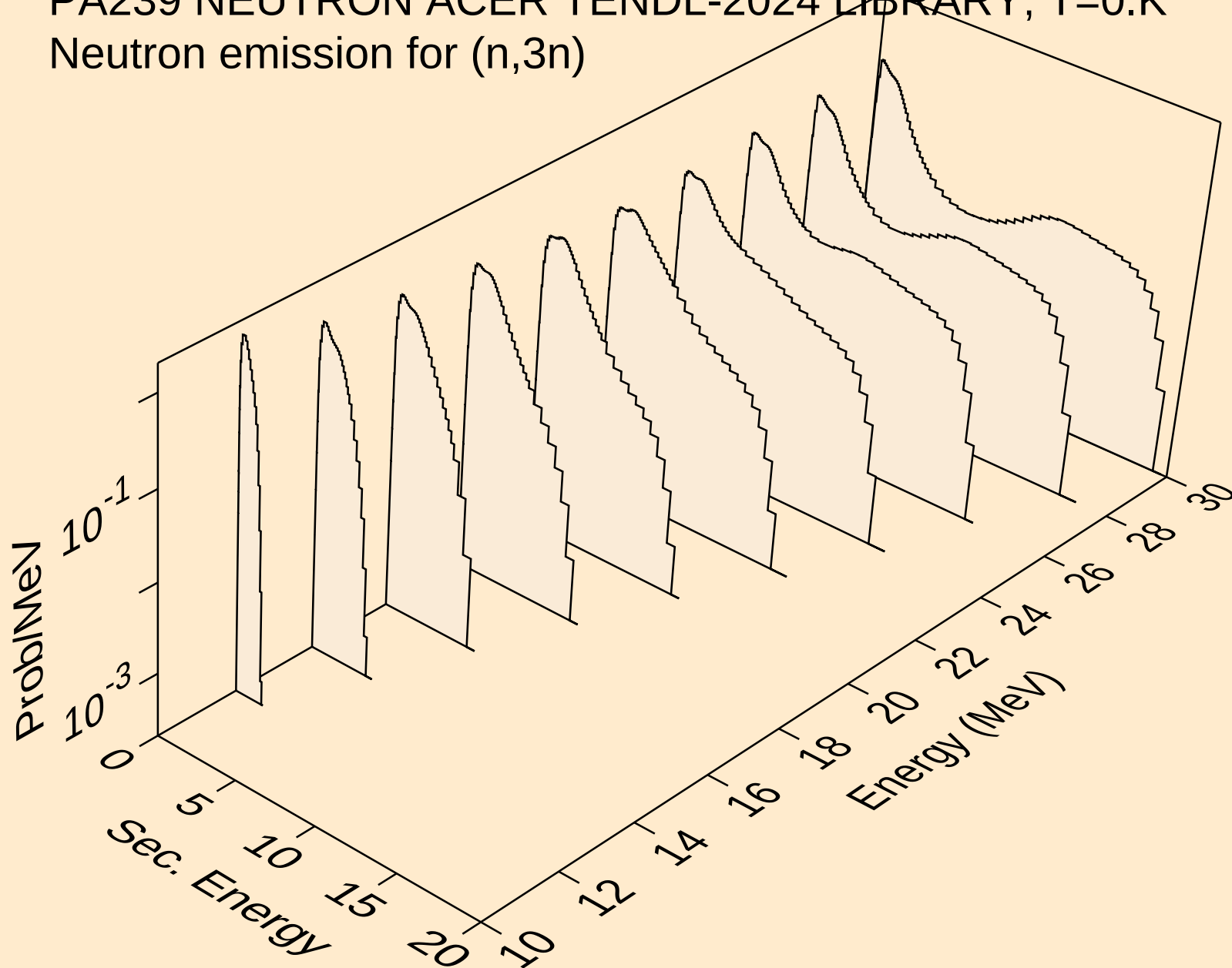
PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



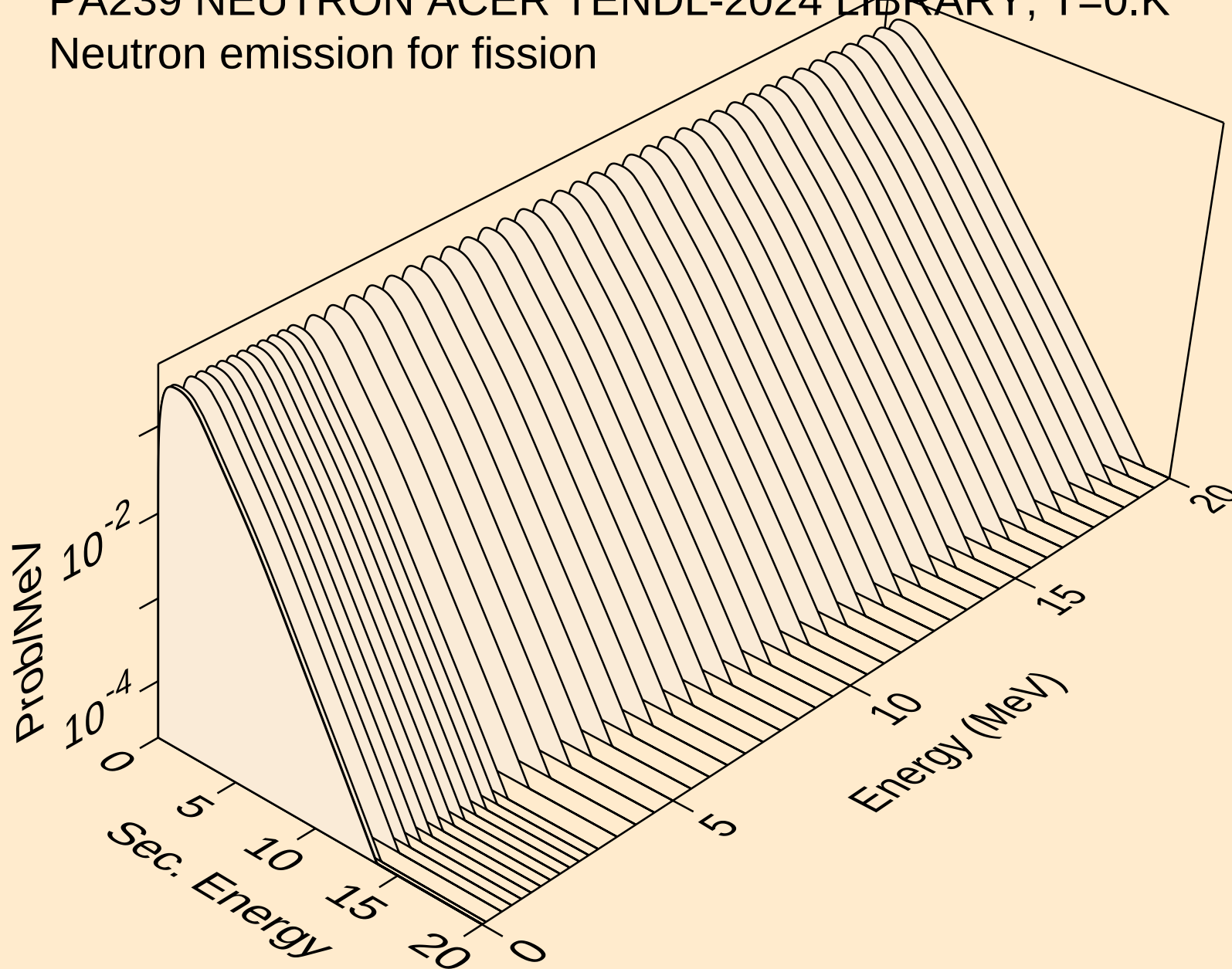
PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)



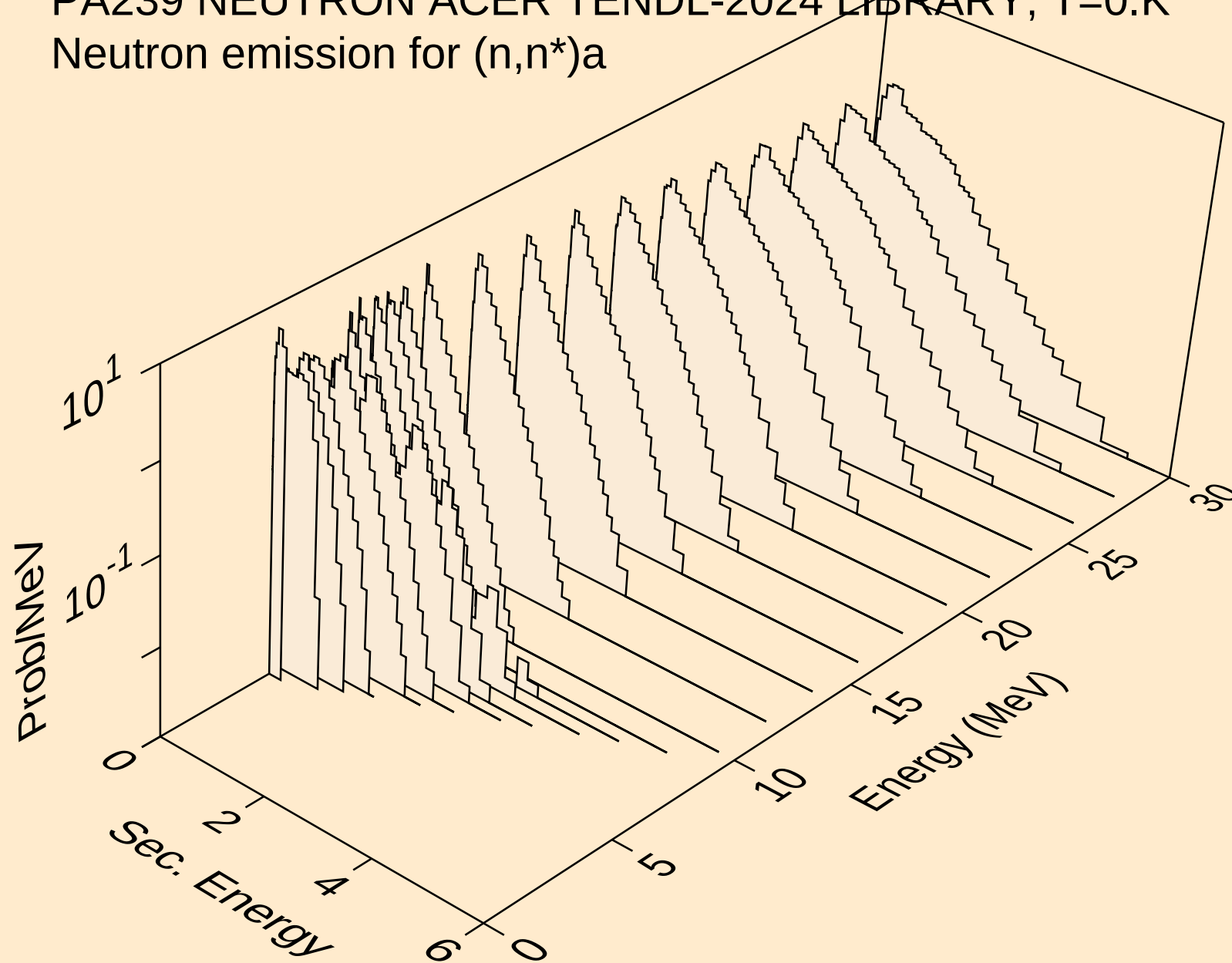
PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)



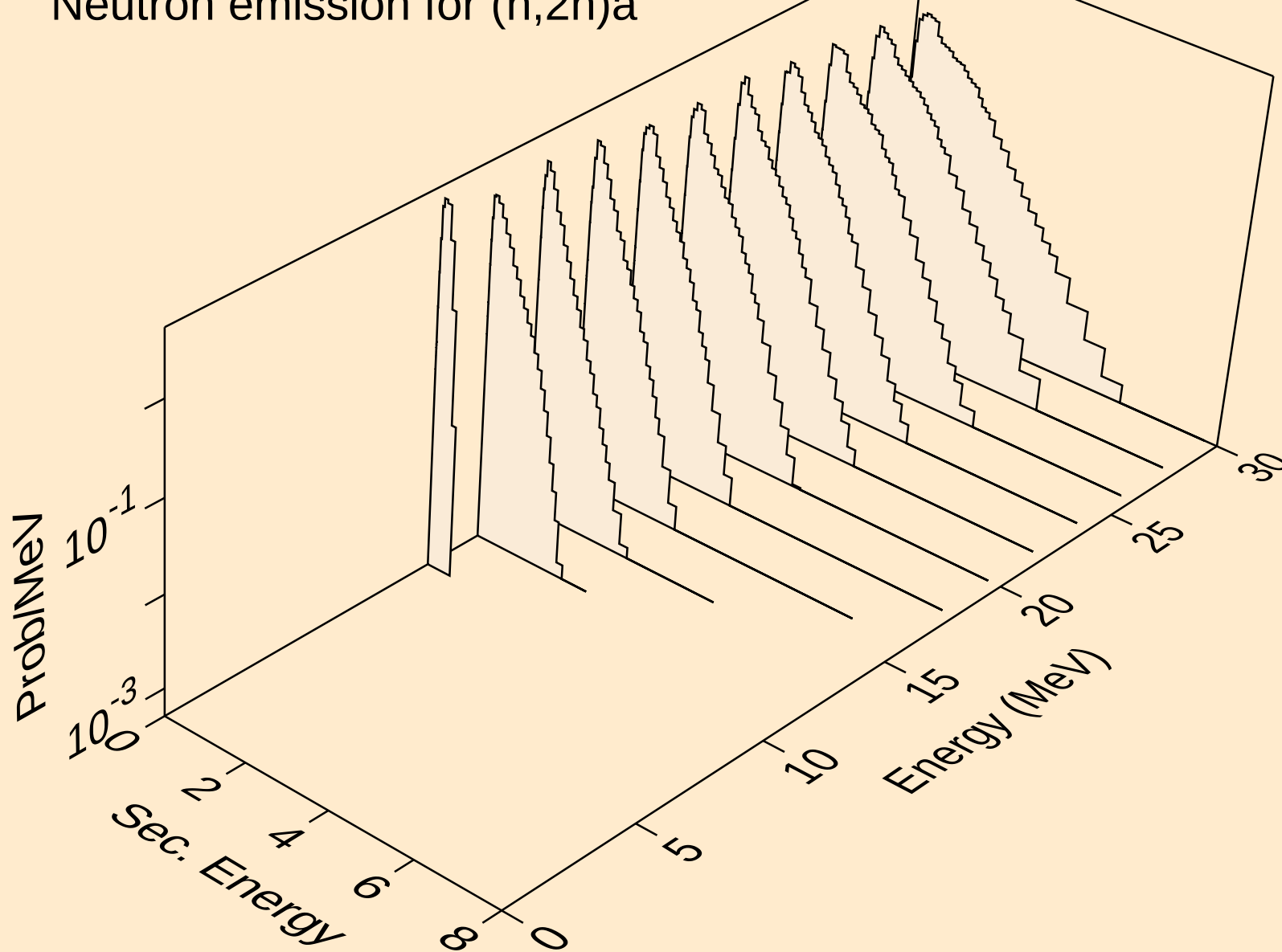
PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for fission



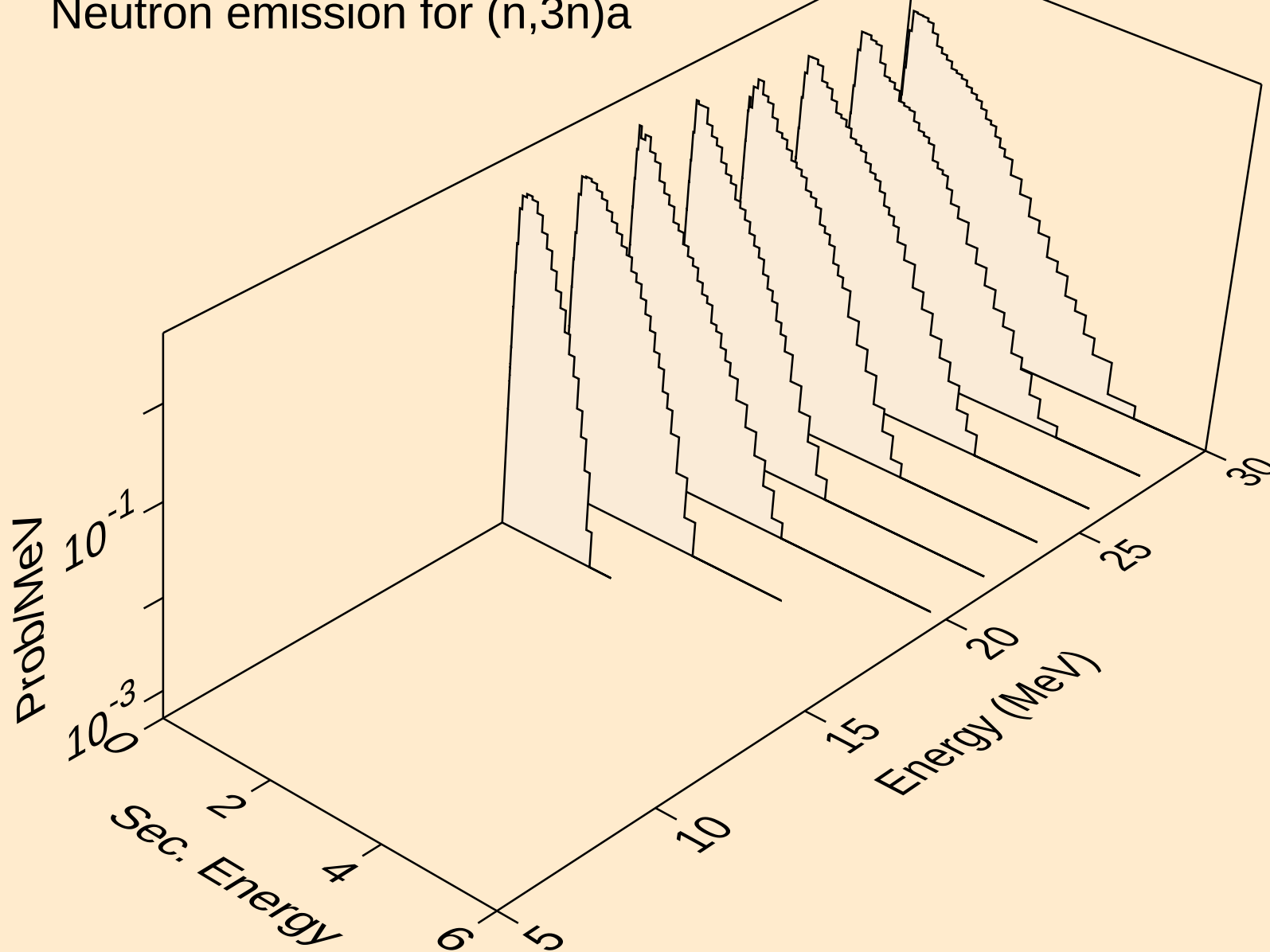
PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)a

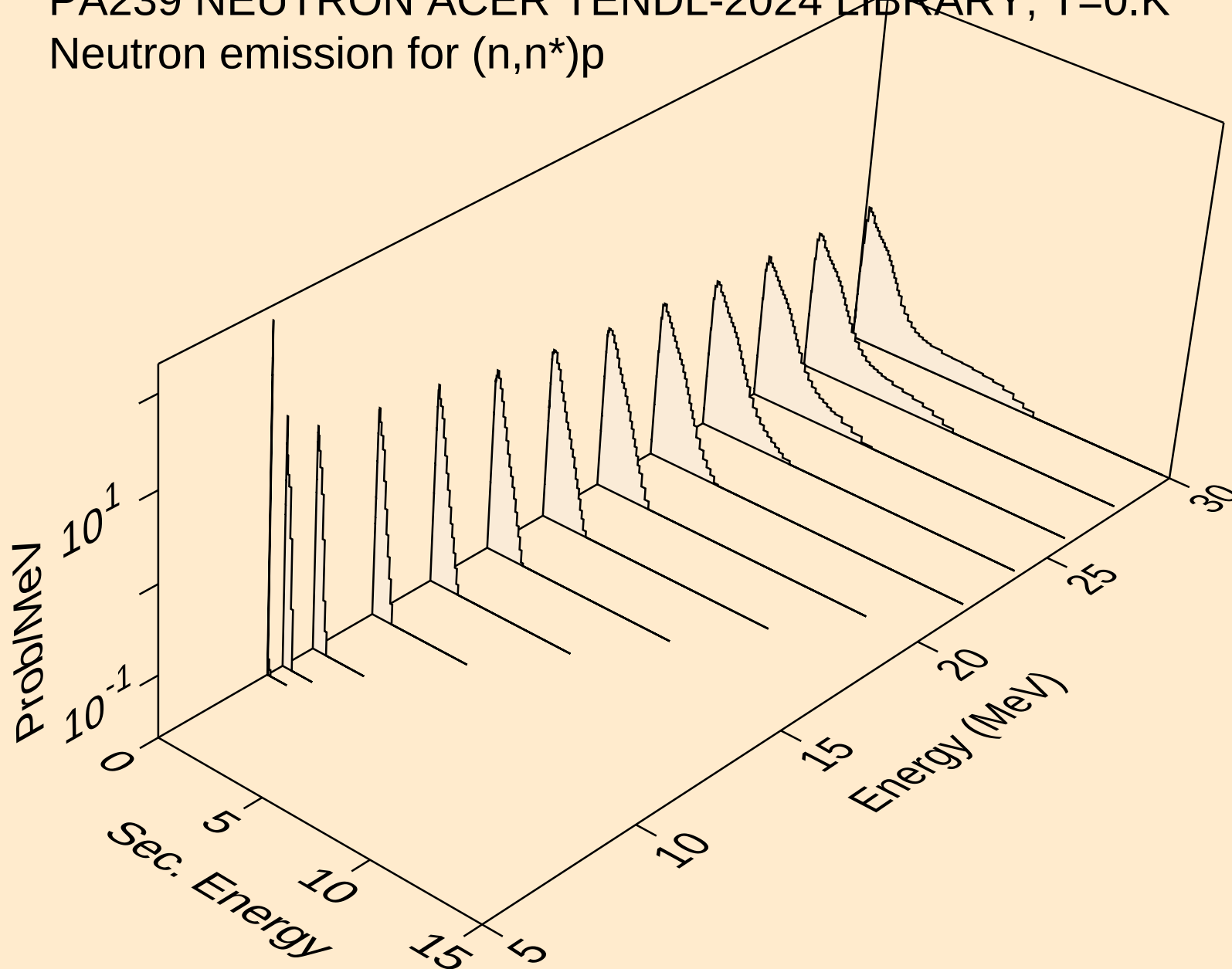


PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)a

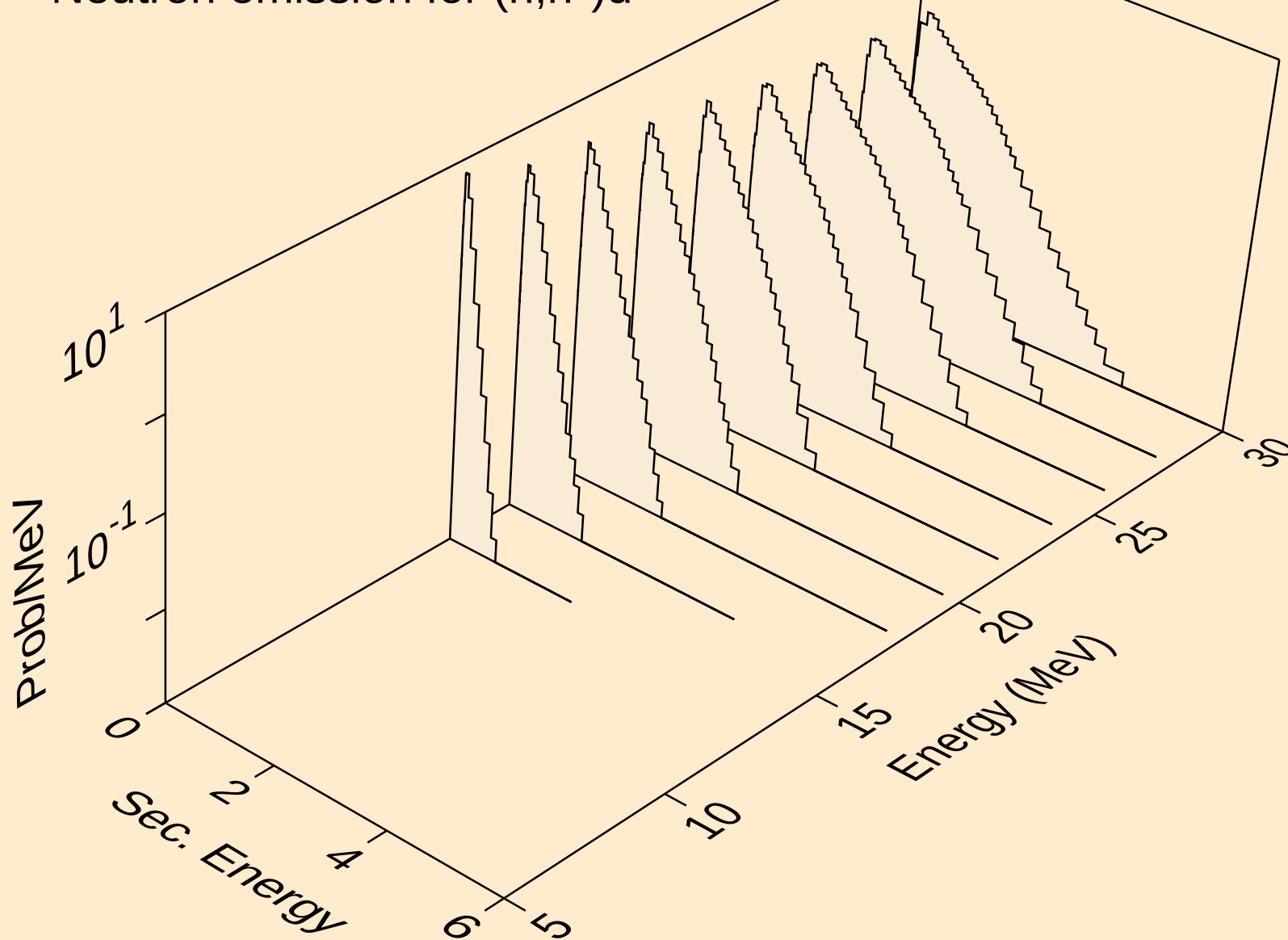


PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

Neutron emission for (n,n\*)p

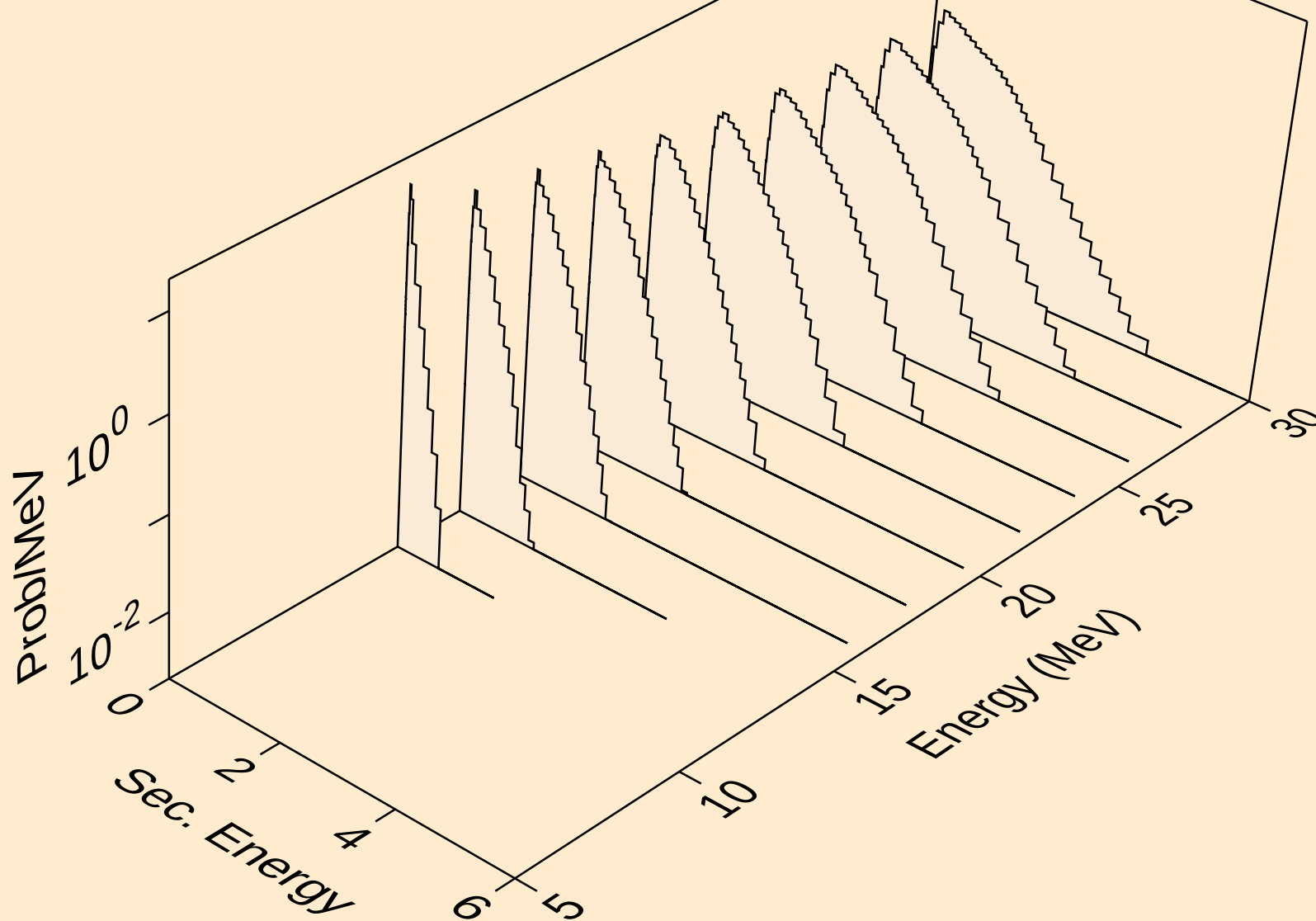


PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d

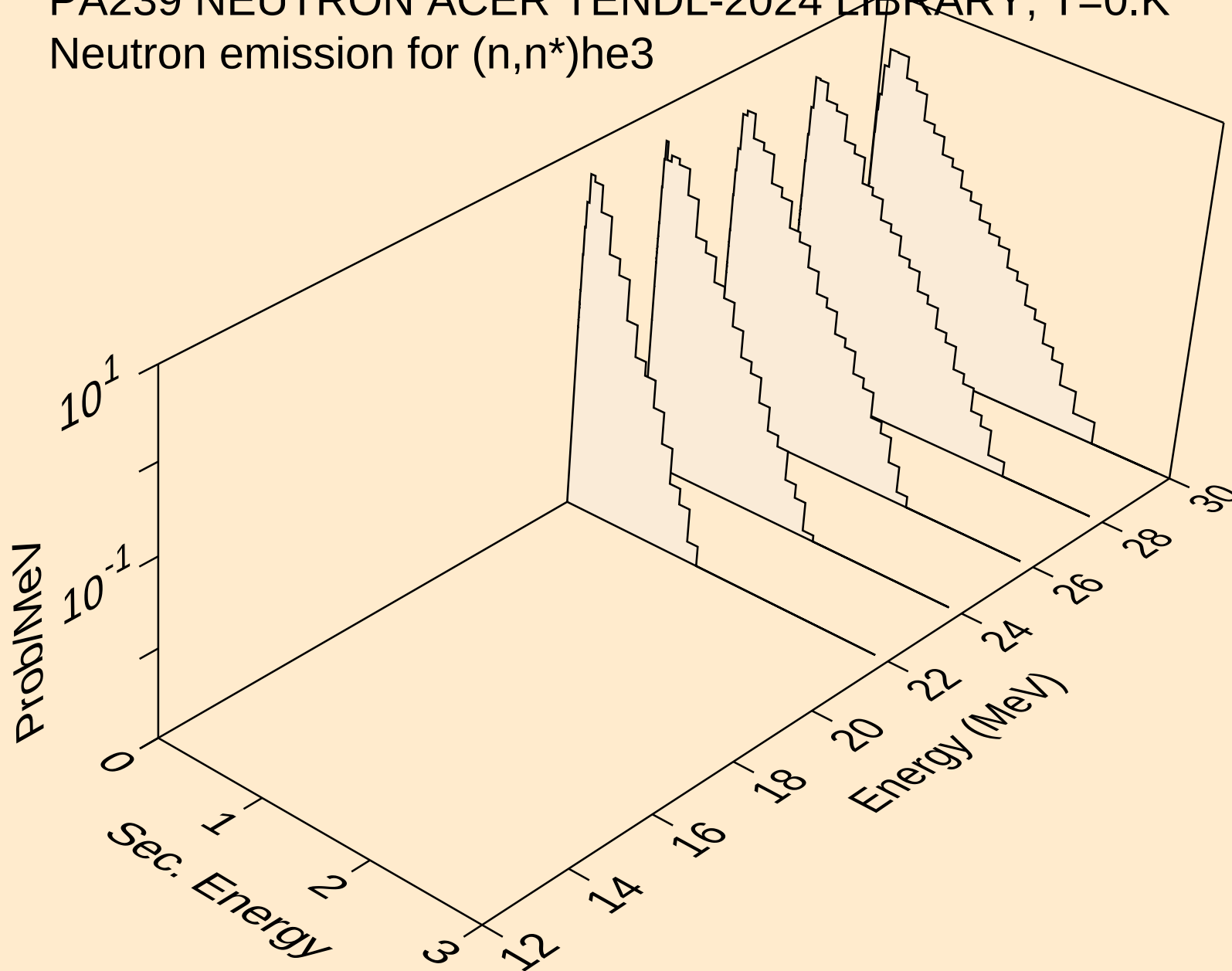


PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

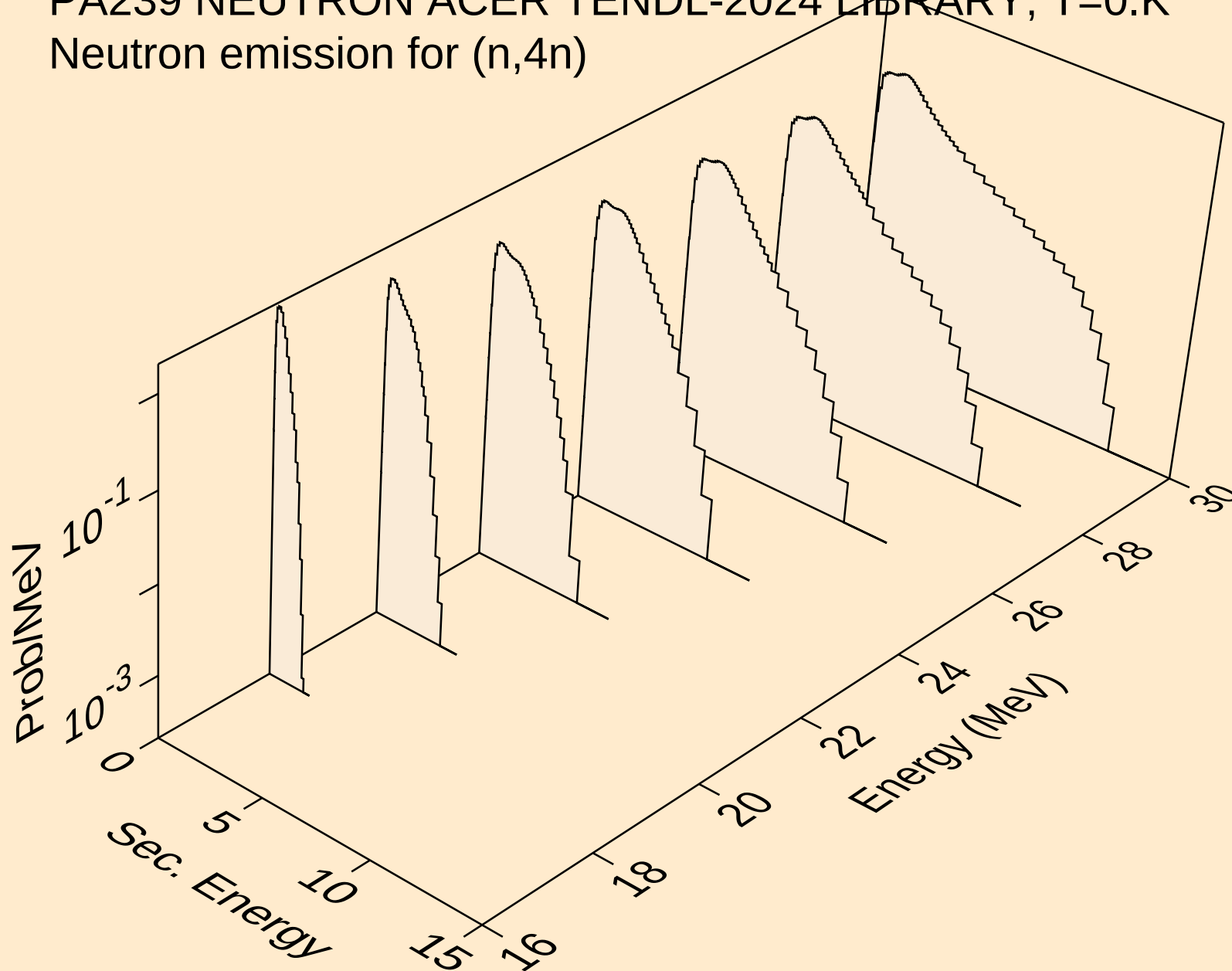
Neutron emission for (n,n\*)t



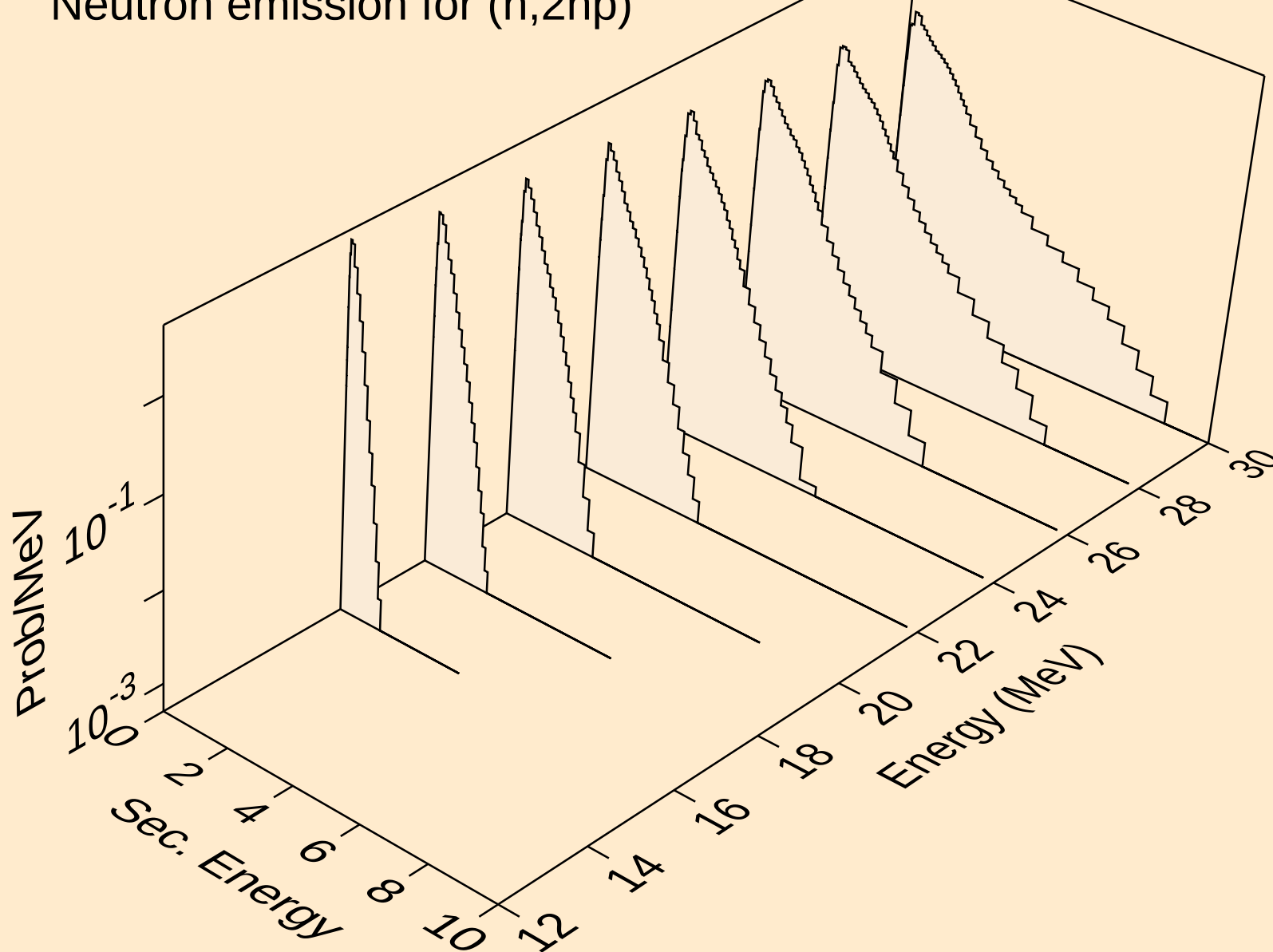
PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



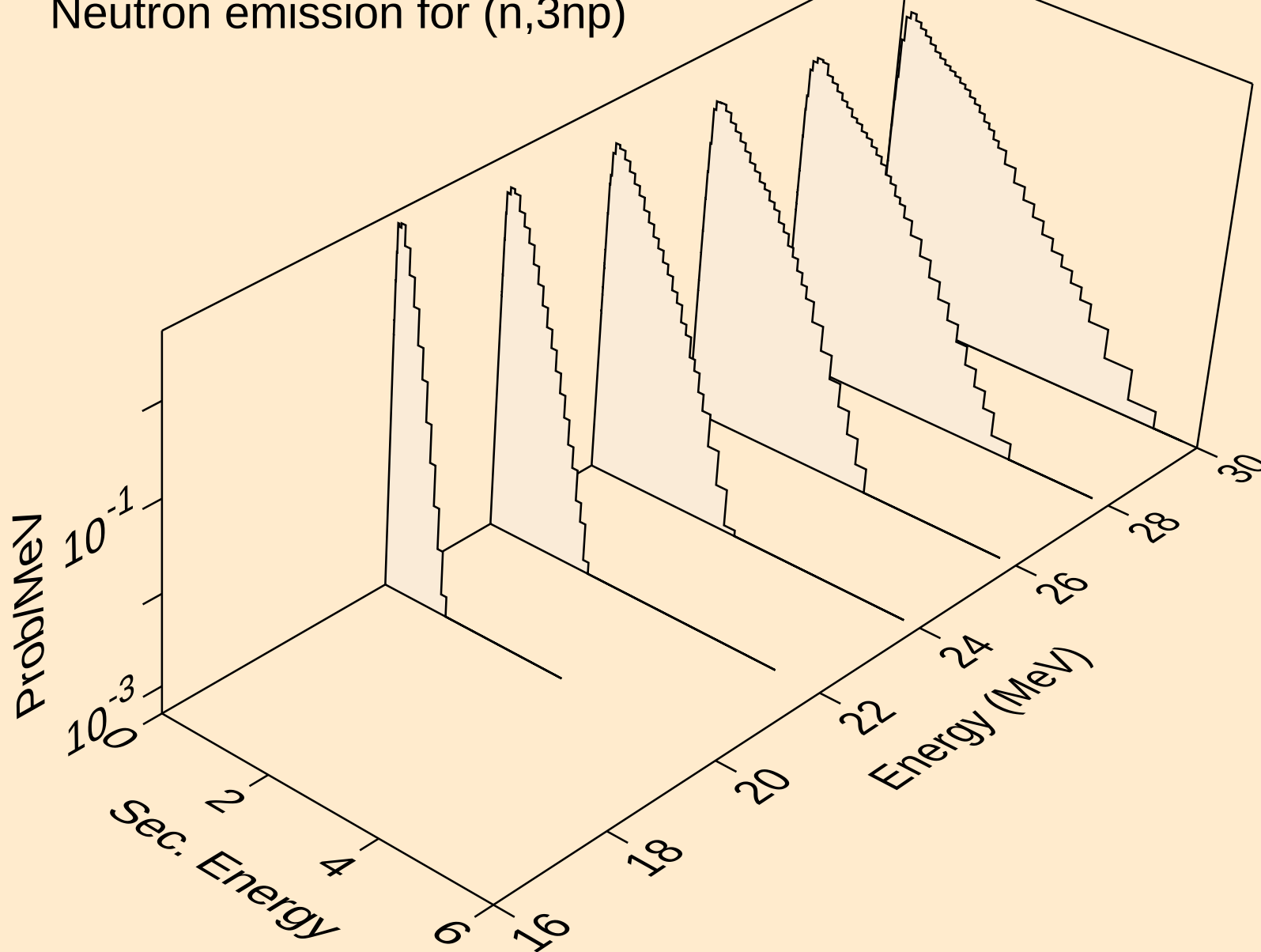
PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,4n)



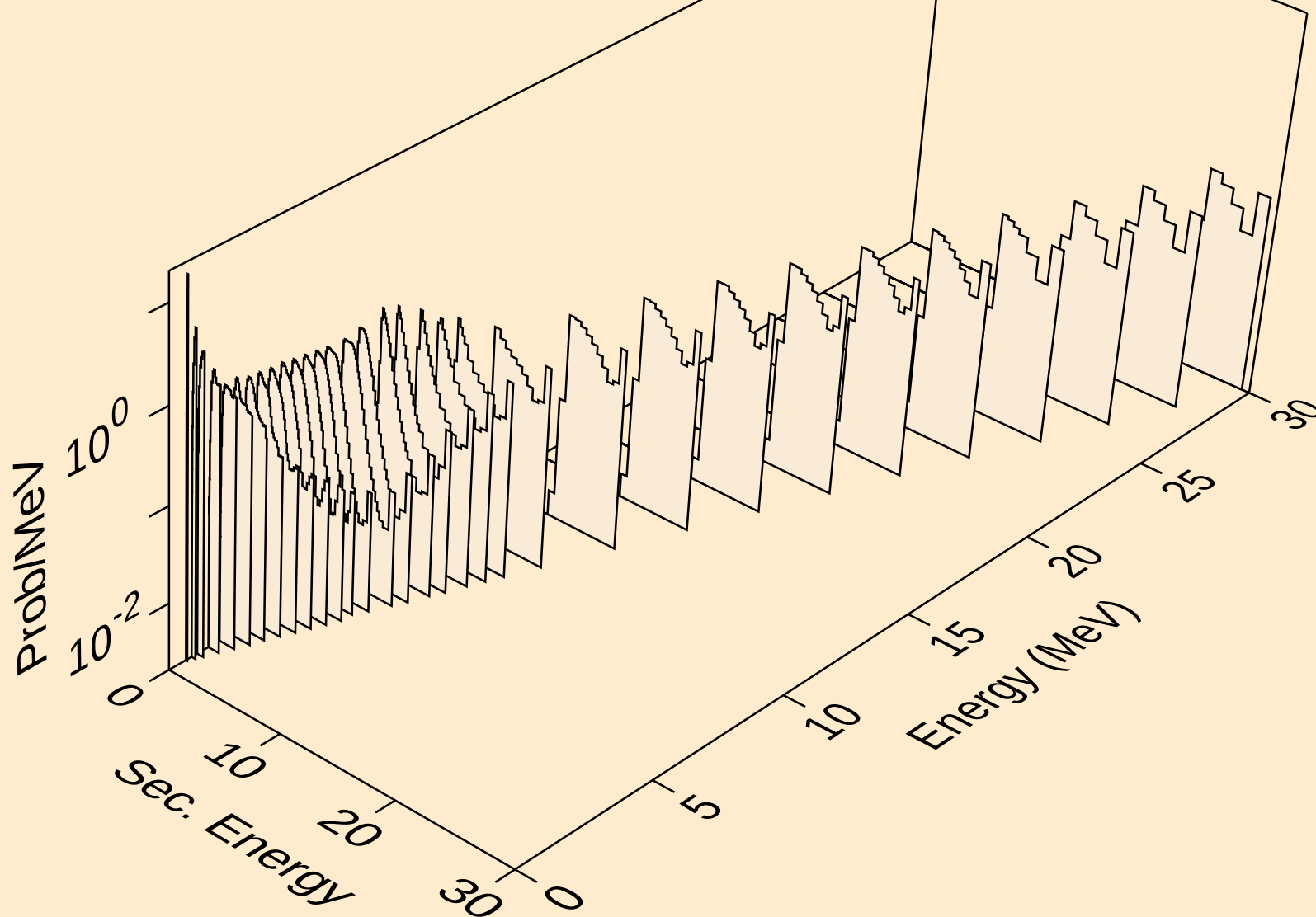
PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2np)



PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3np)

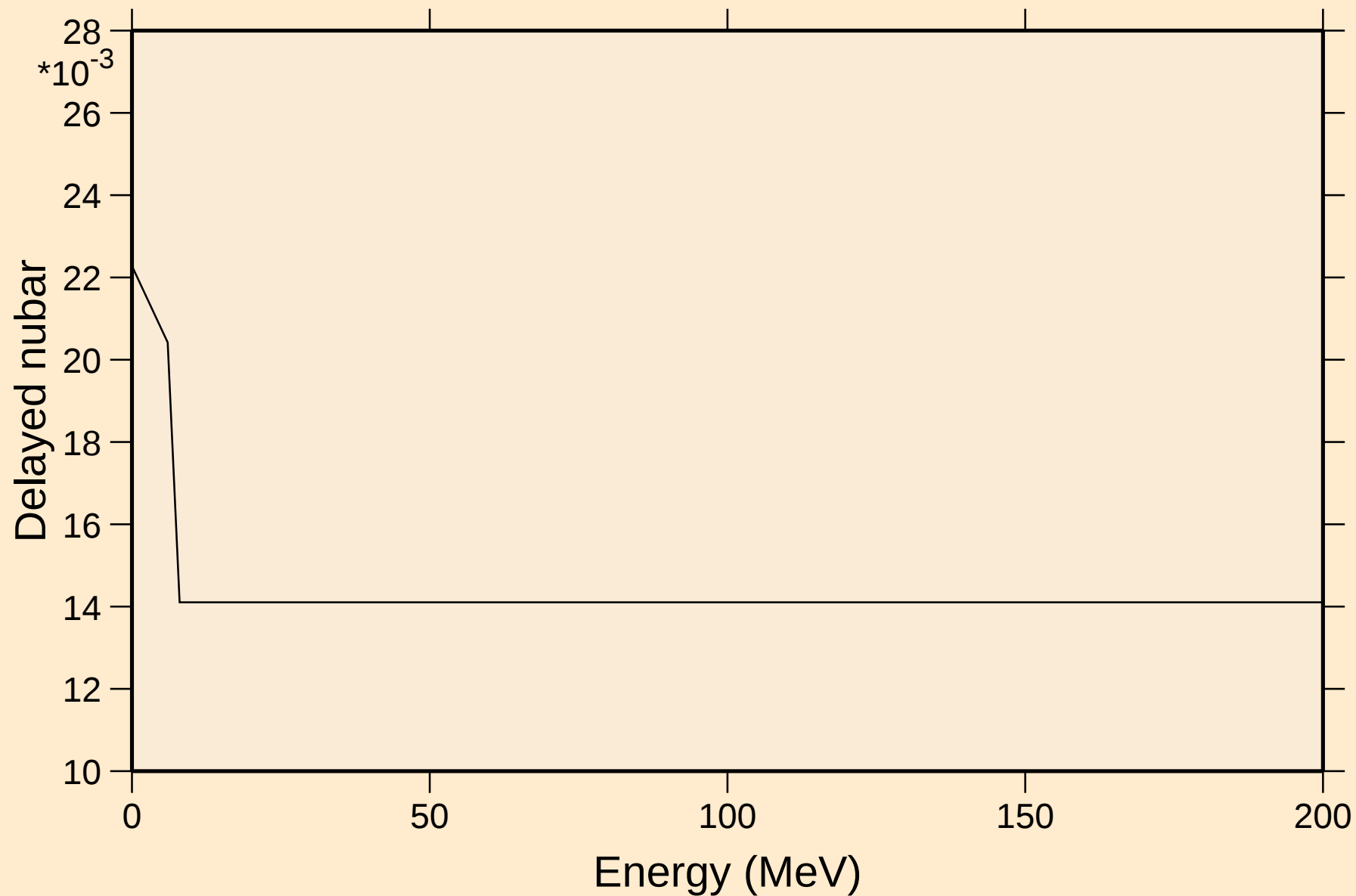


PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)



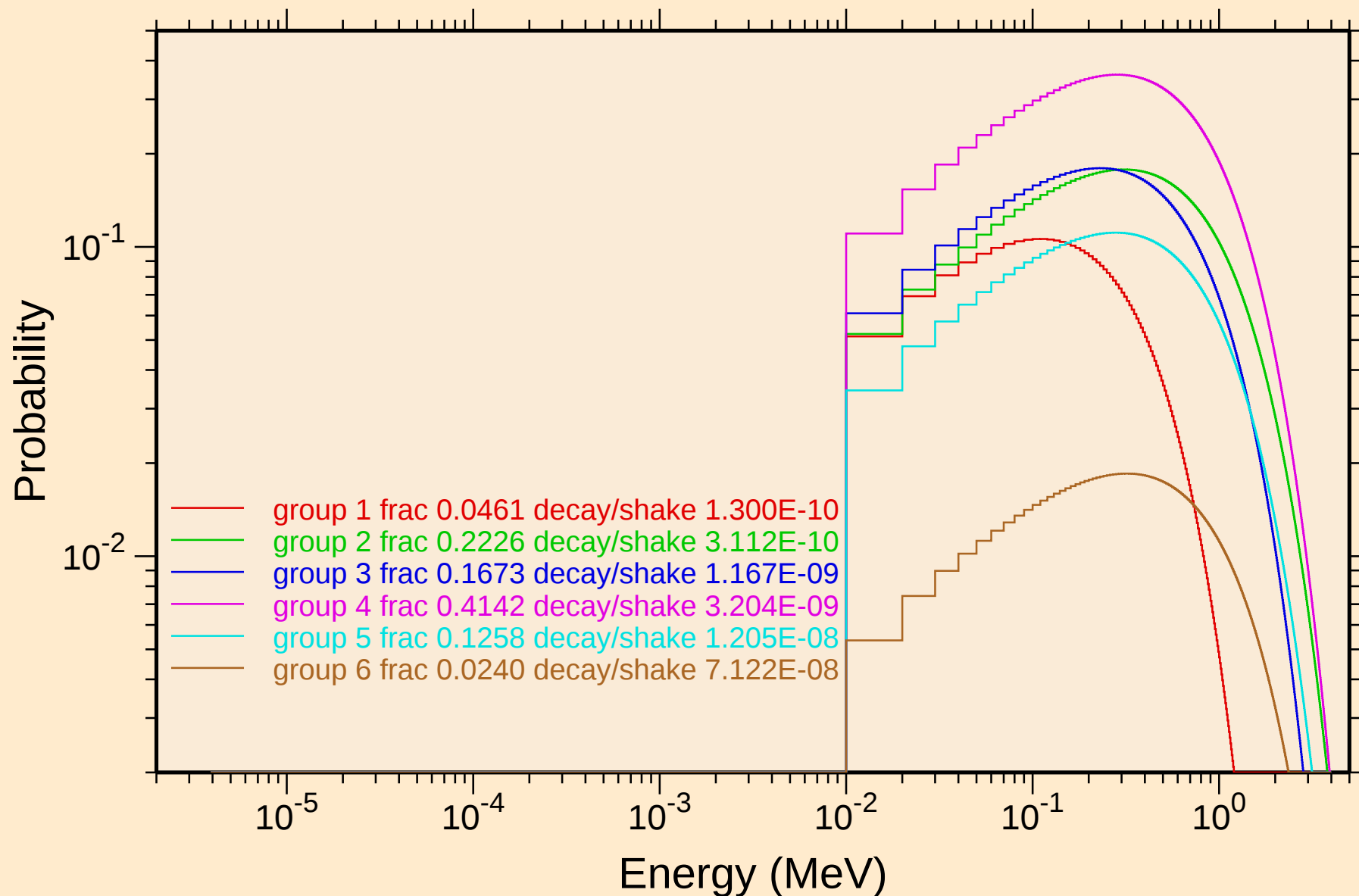
# PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

Delayed nubar

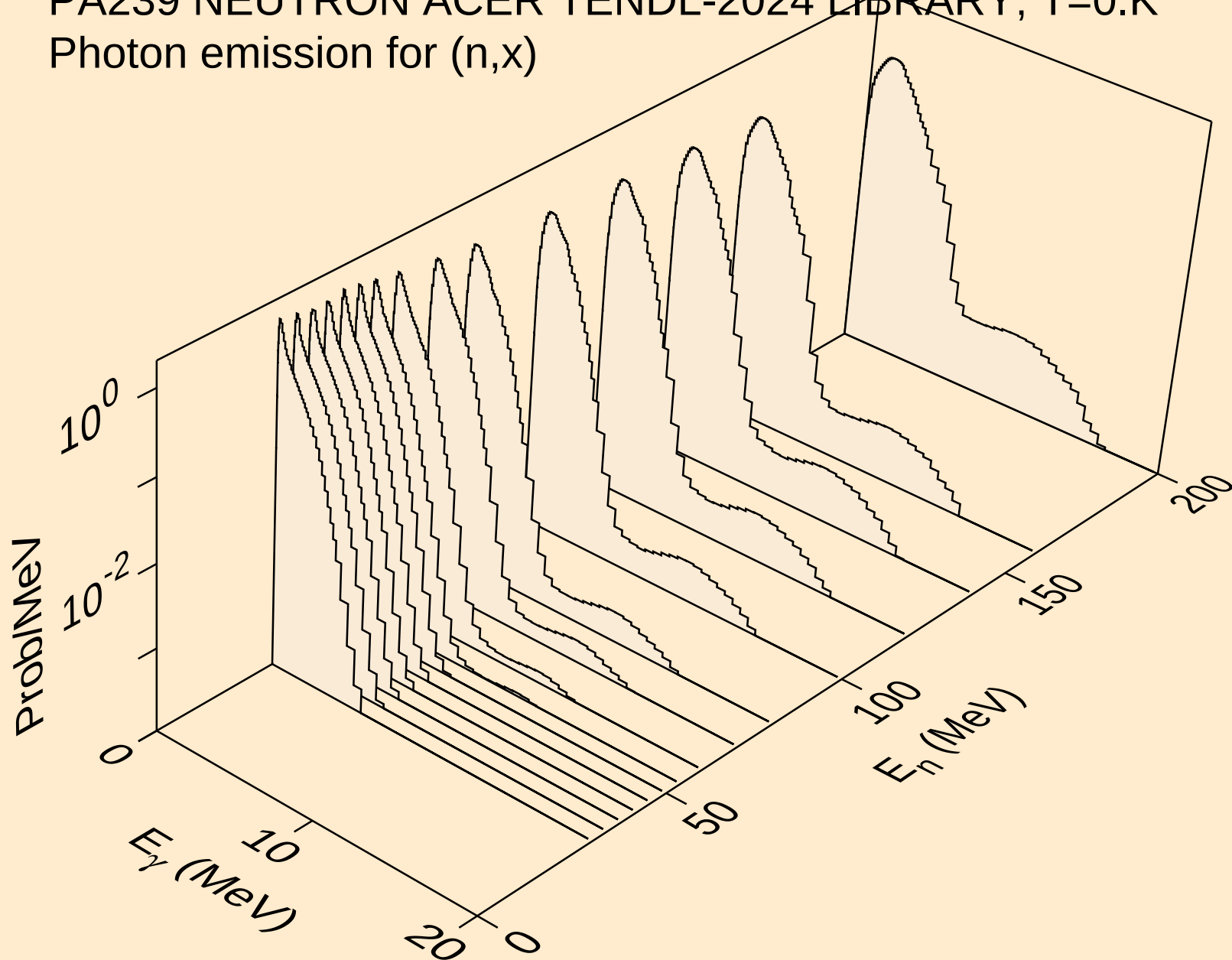


# PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

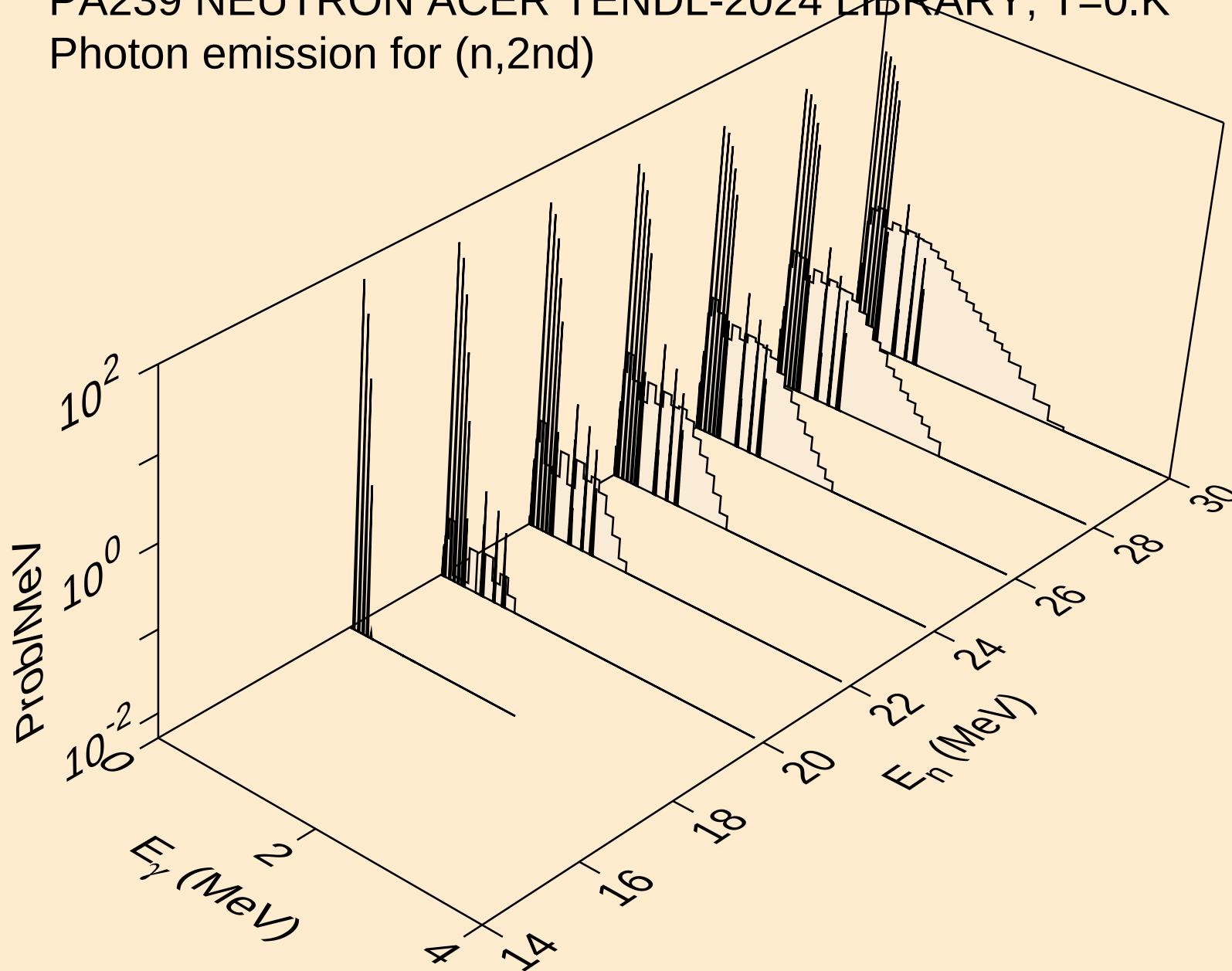
## Delayed neutron spectra



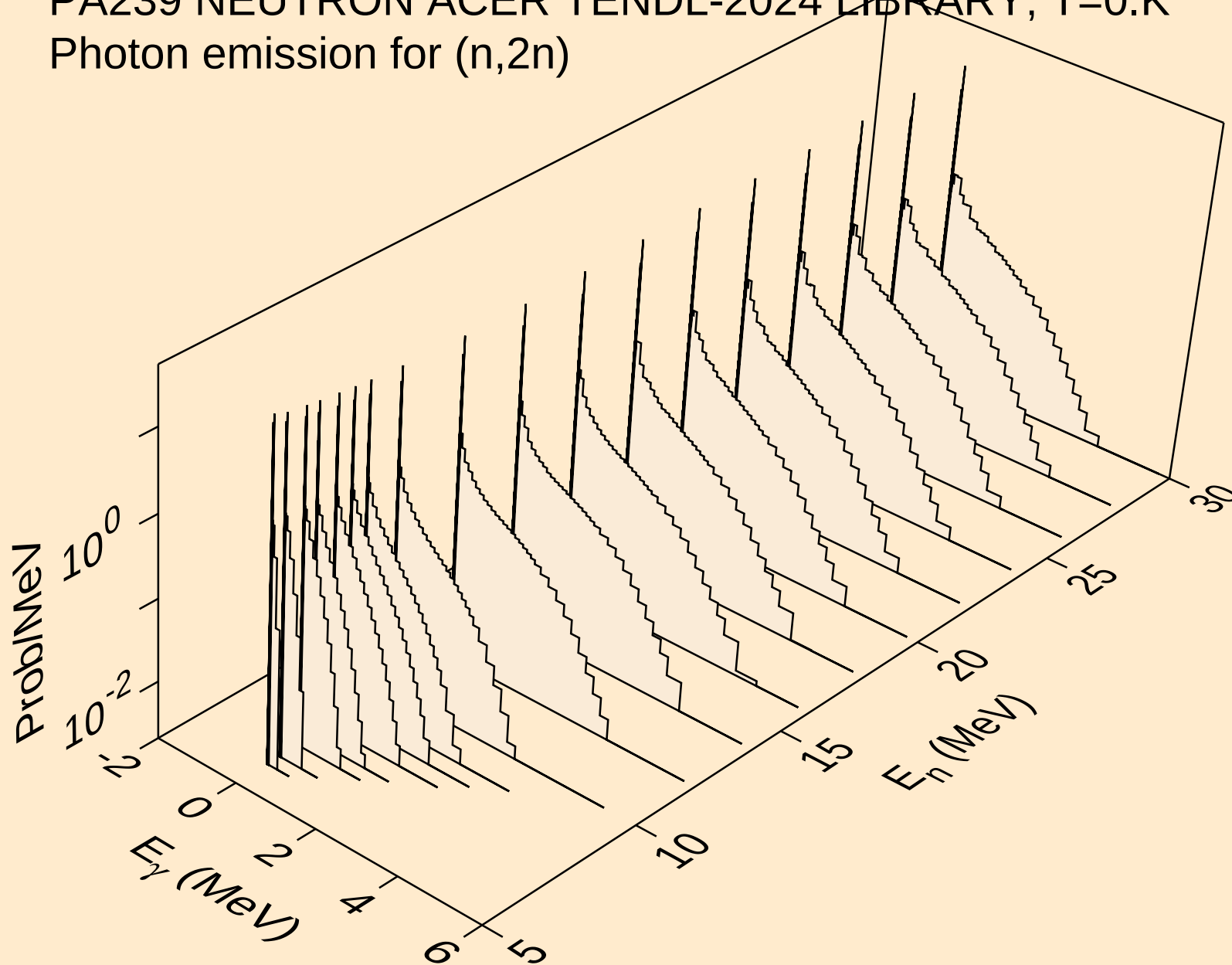
PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,x)



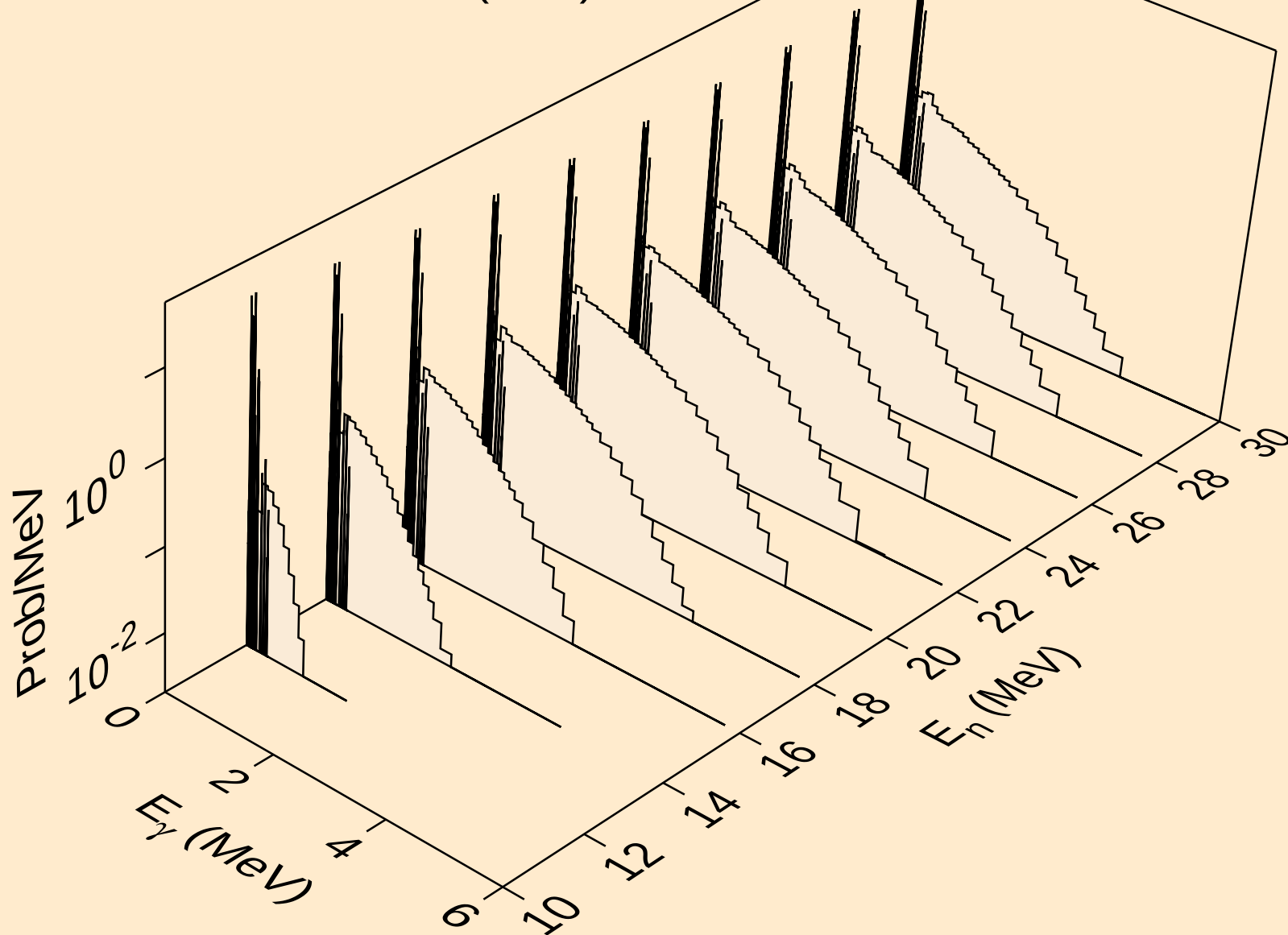
PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2nd)



PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)

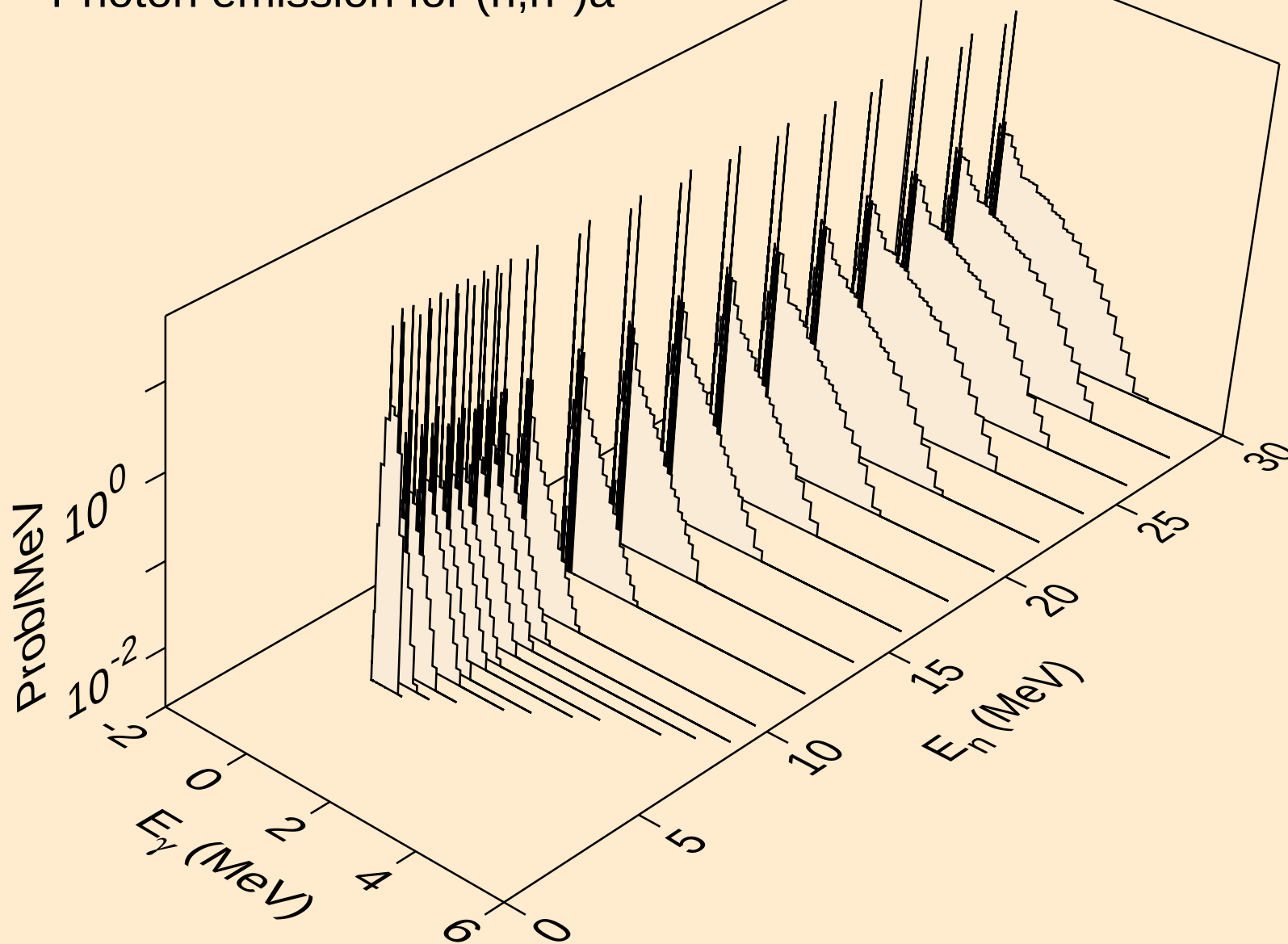


PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)



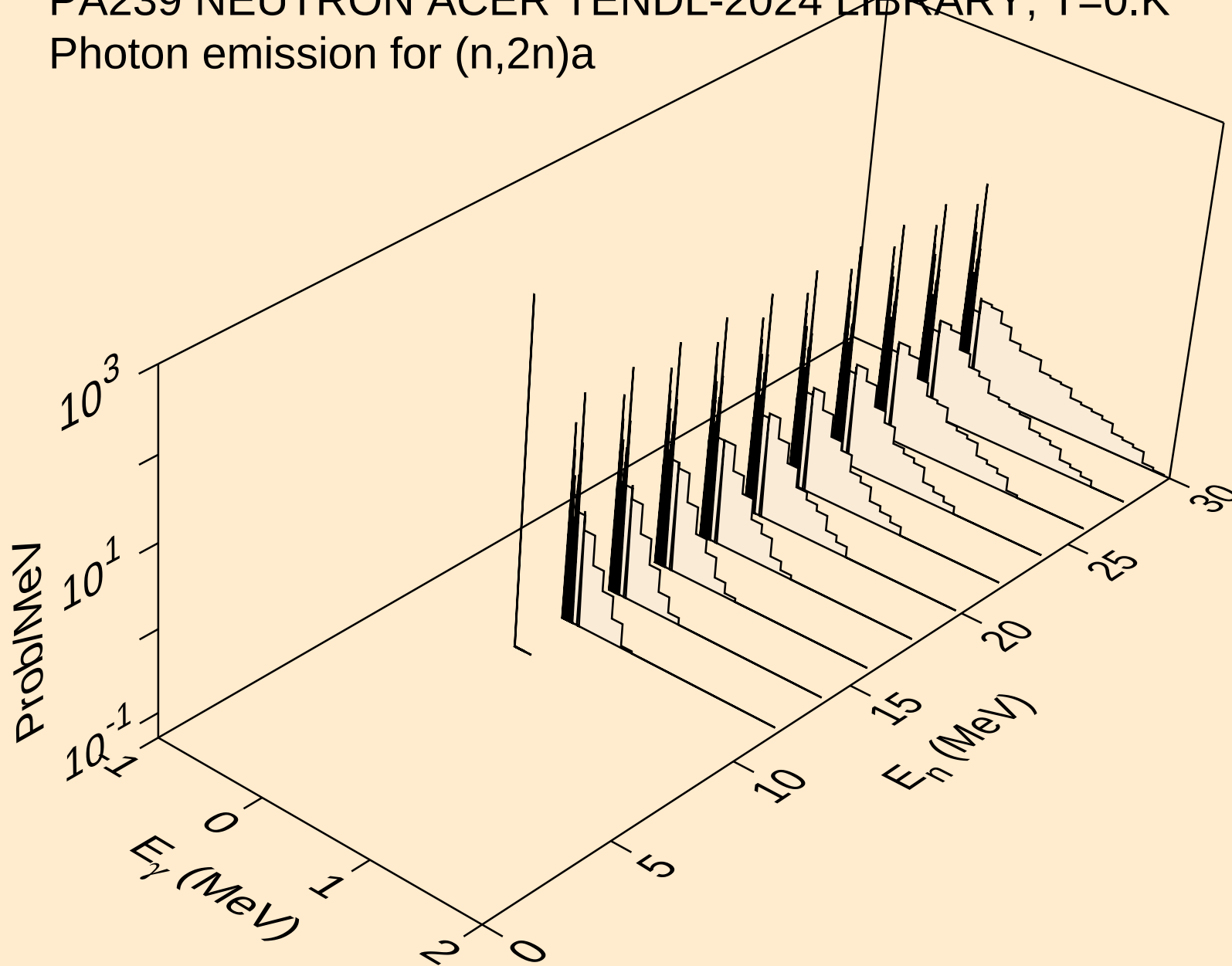
# PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,n\*)a



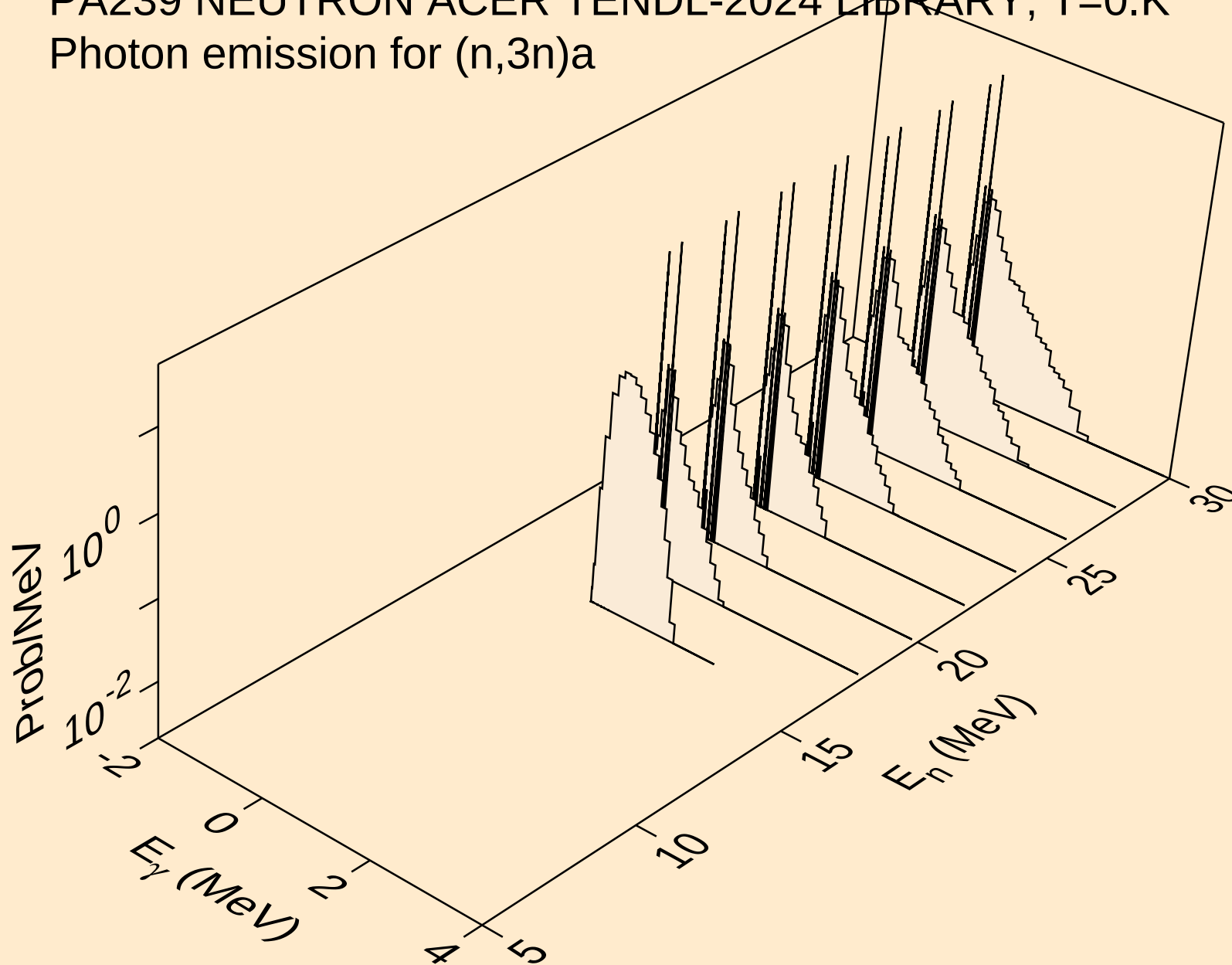
PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,2n) $\alpha$

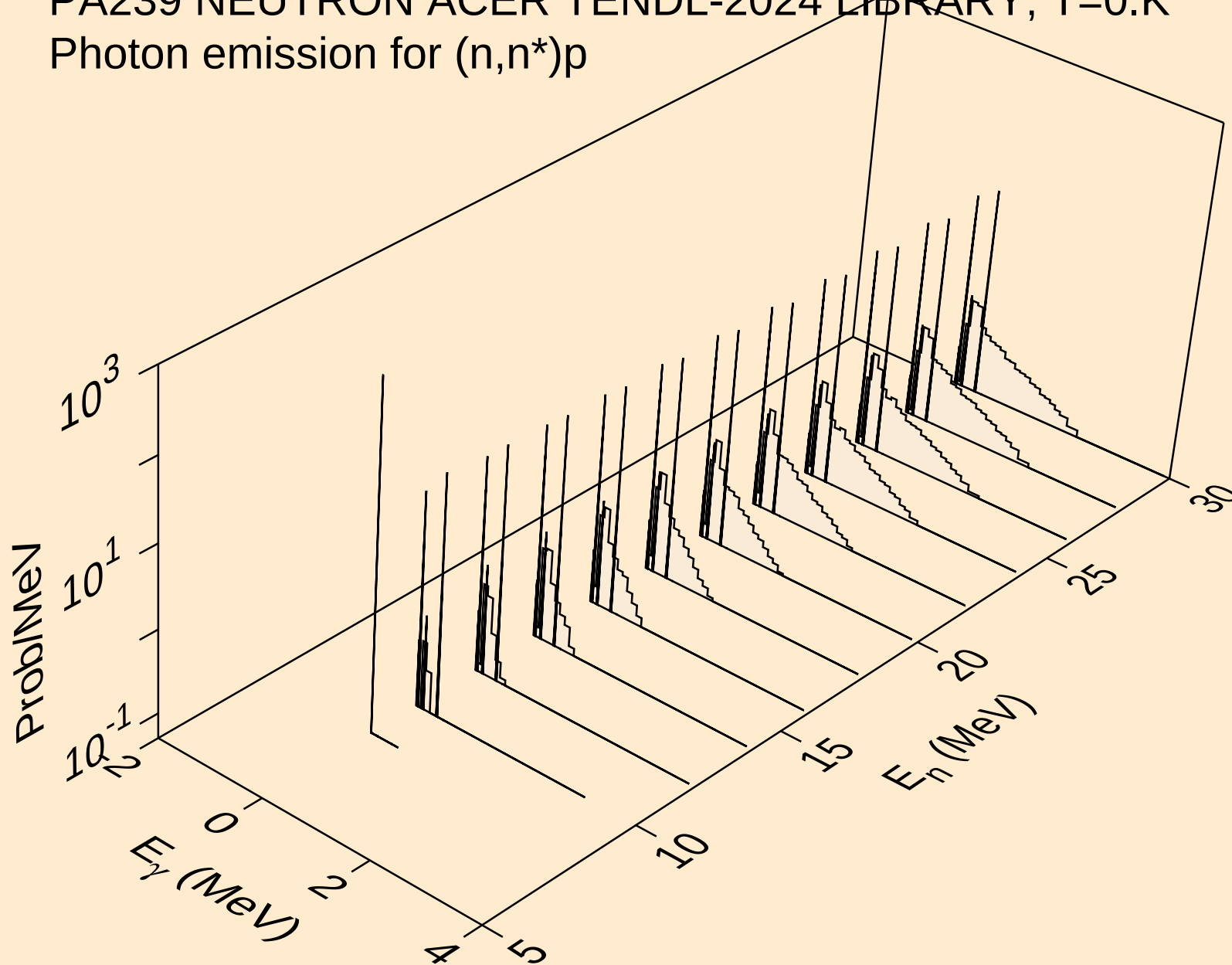


PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,3n) $\alpha$

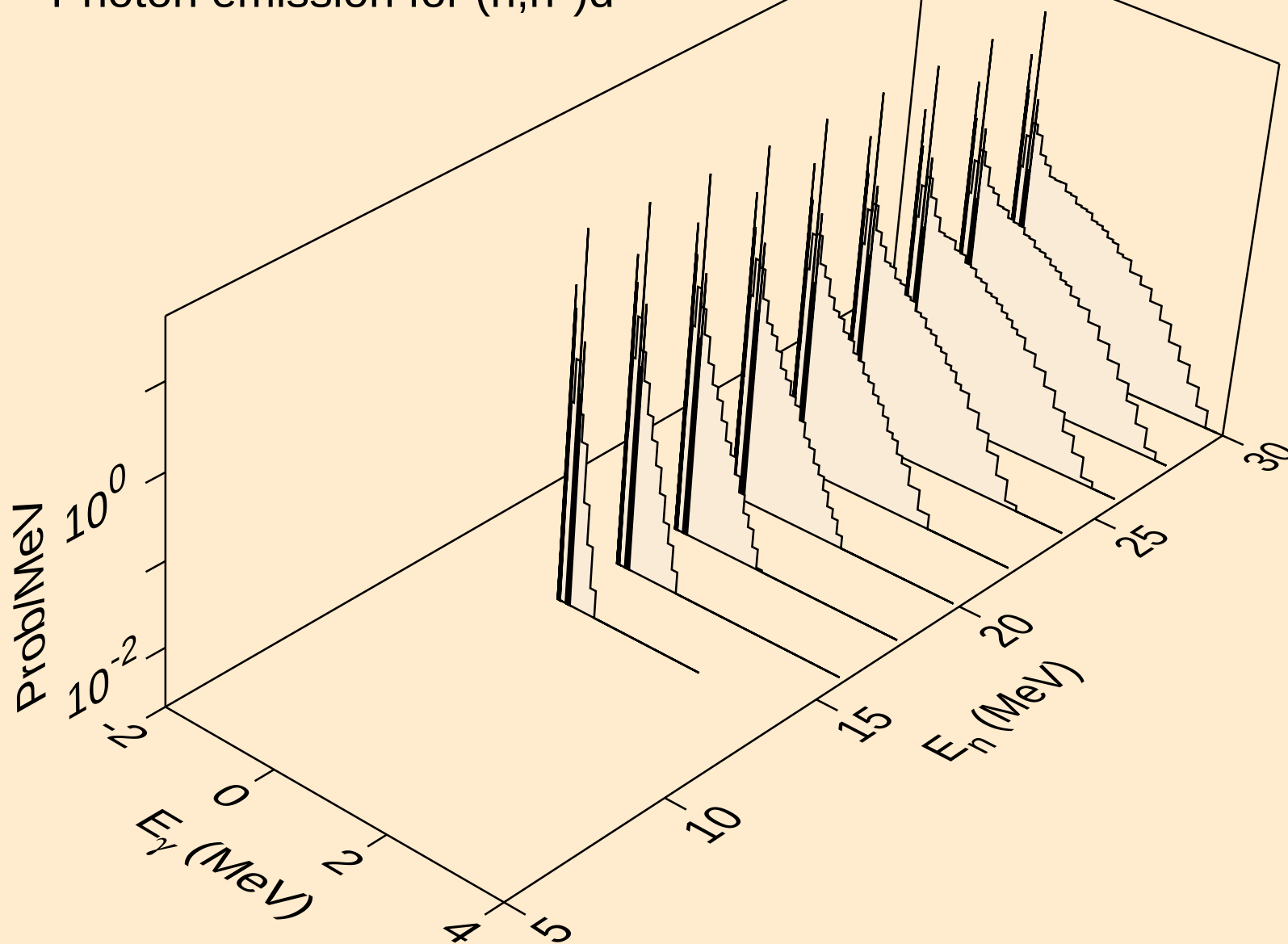


PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



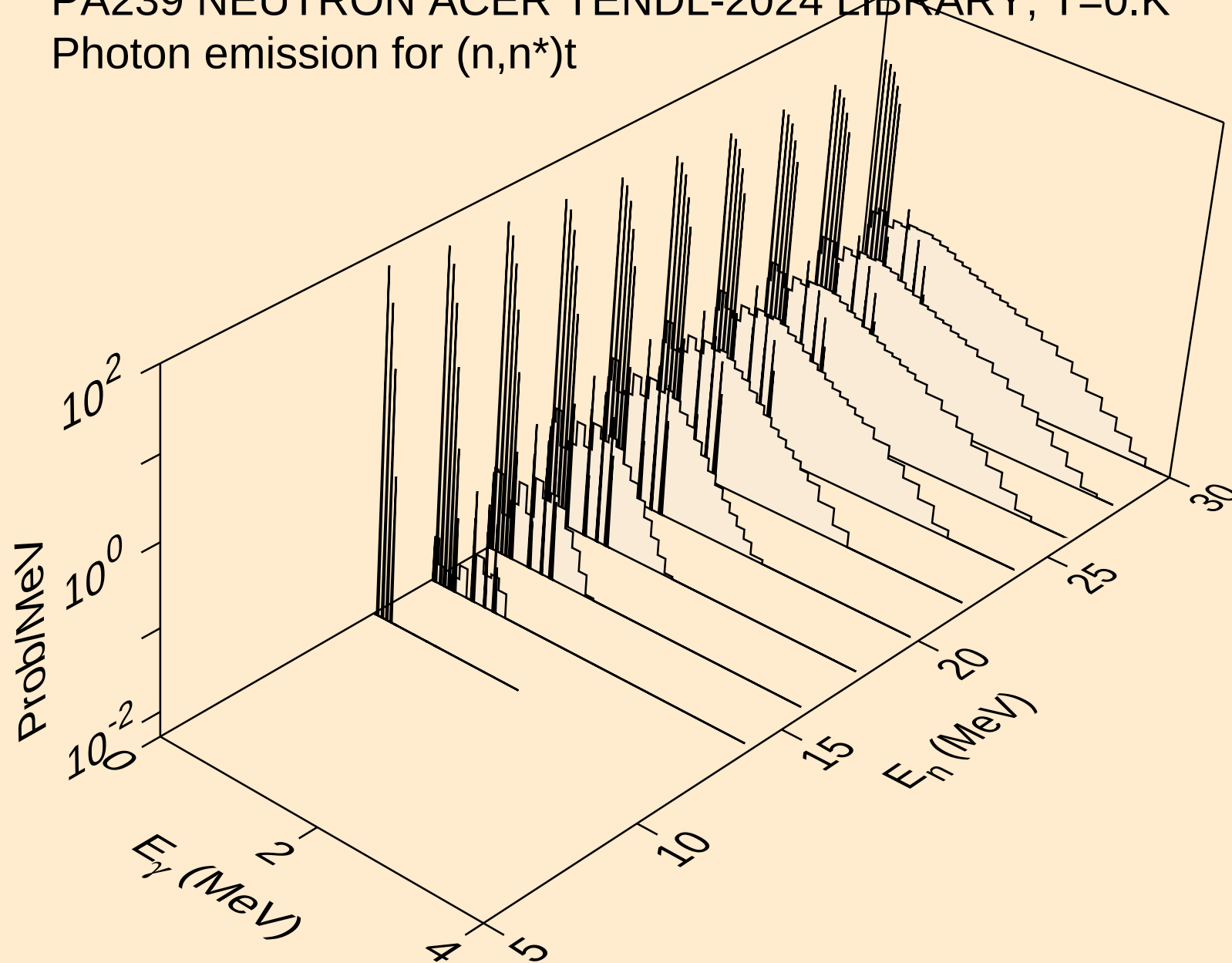
PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,n\*)d



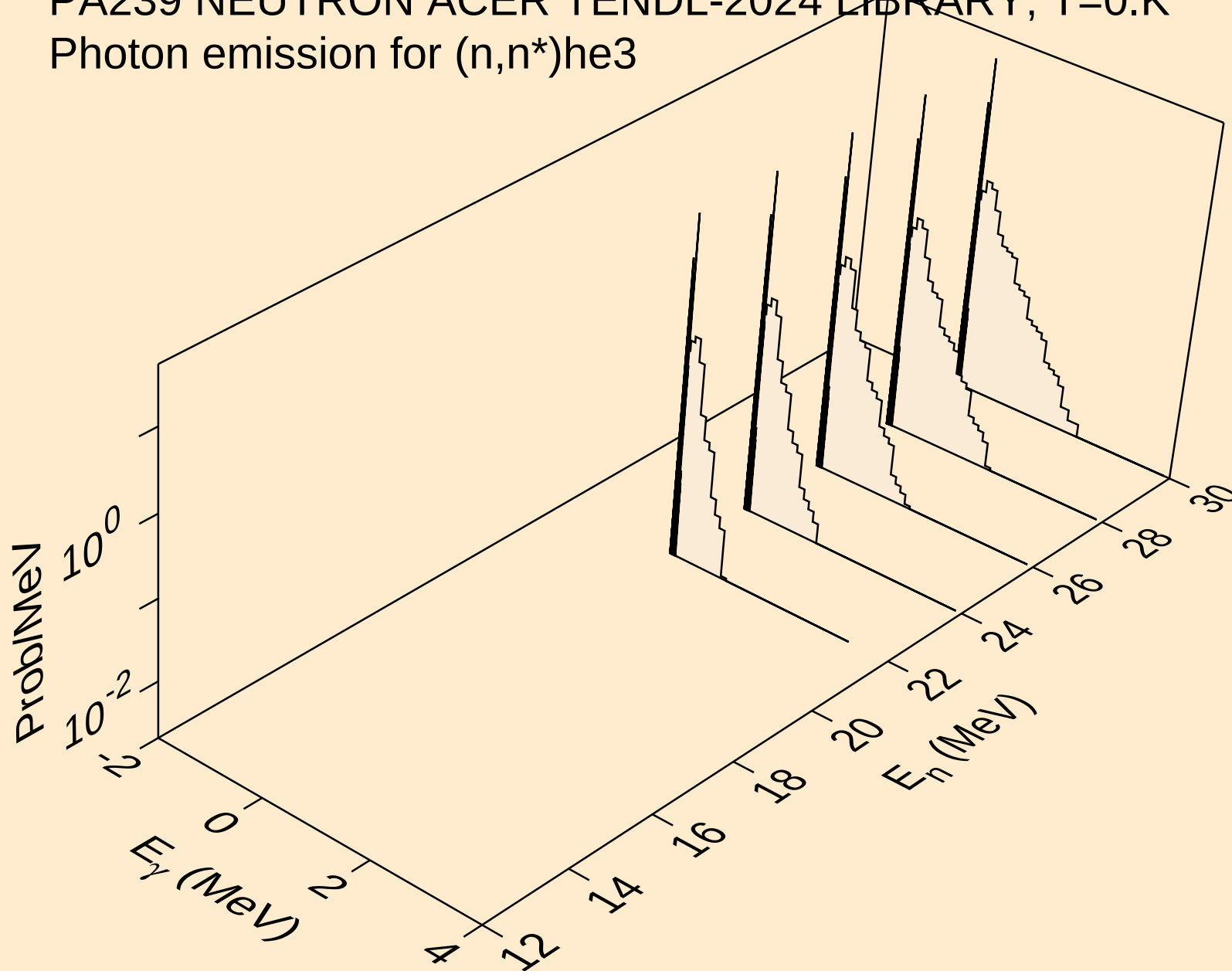
# PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,n\*)t

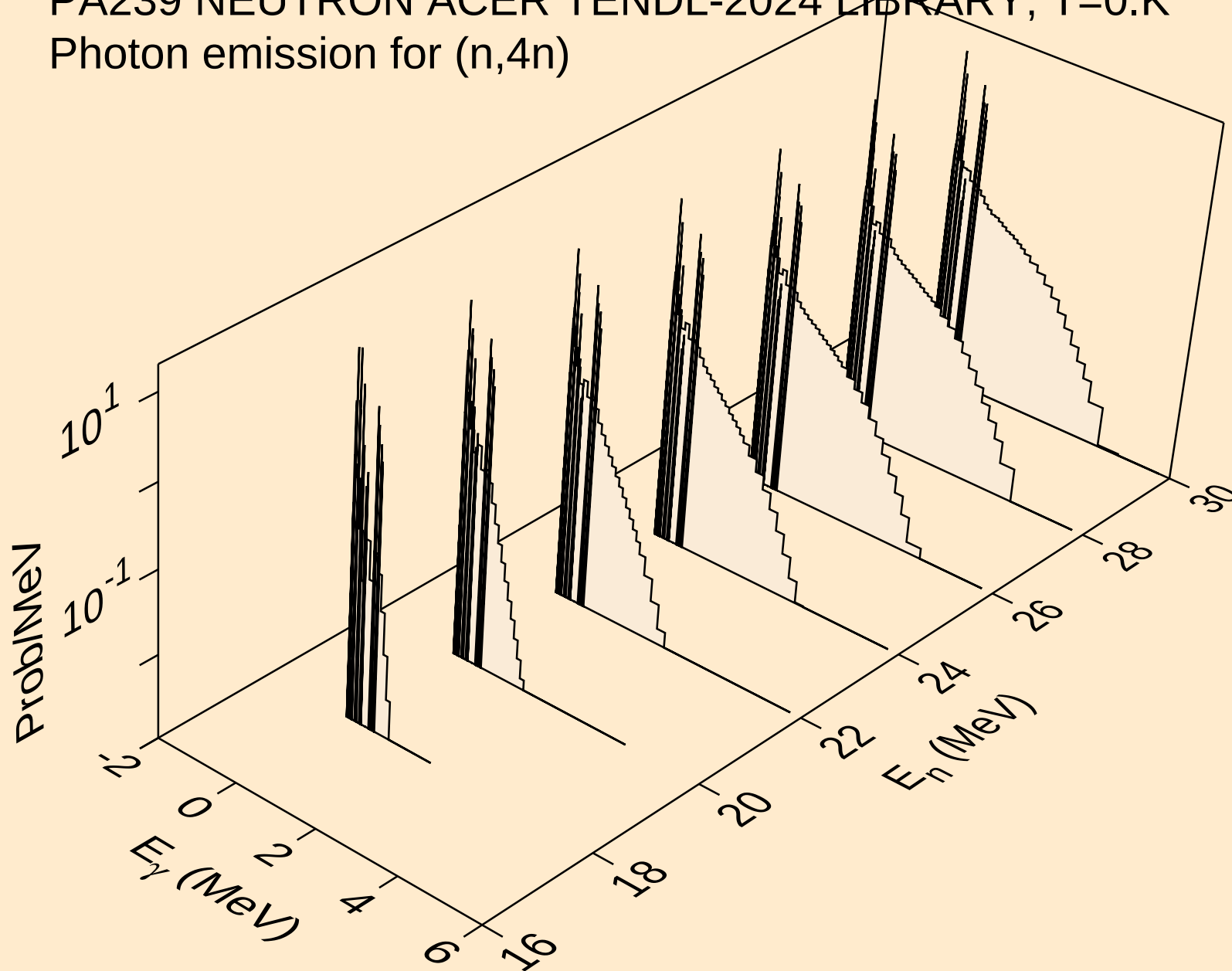


PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

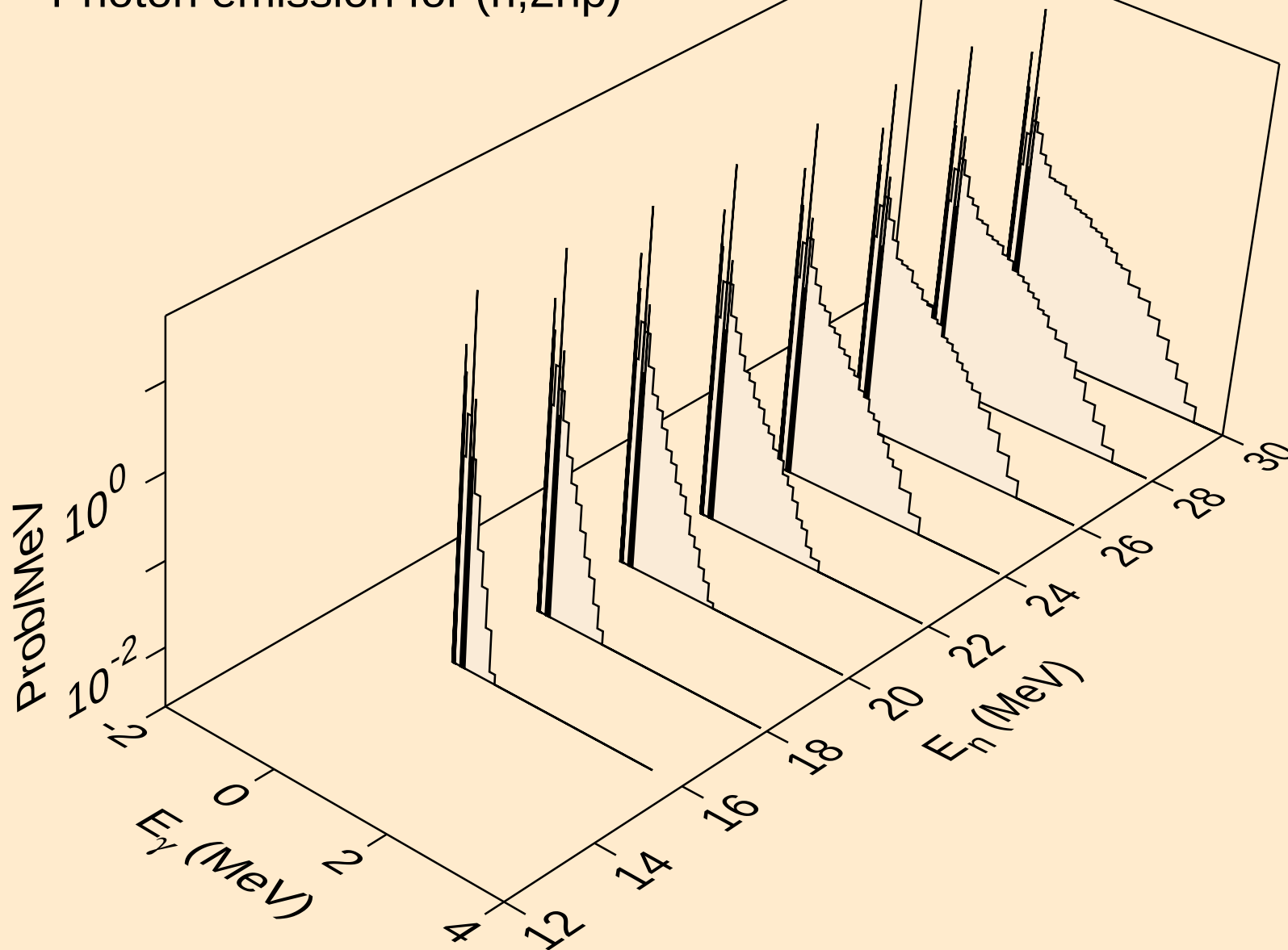
Photon emission for (n,n\*)he3



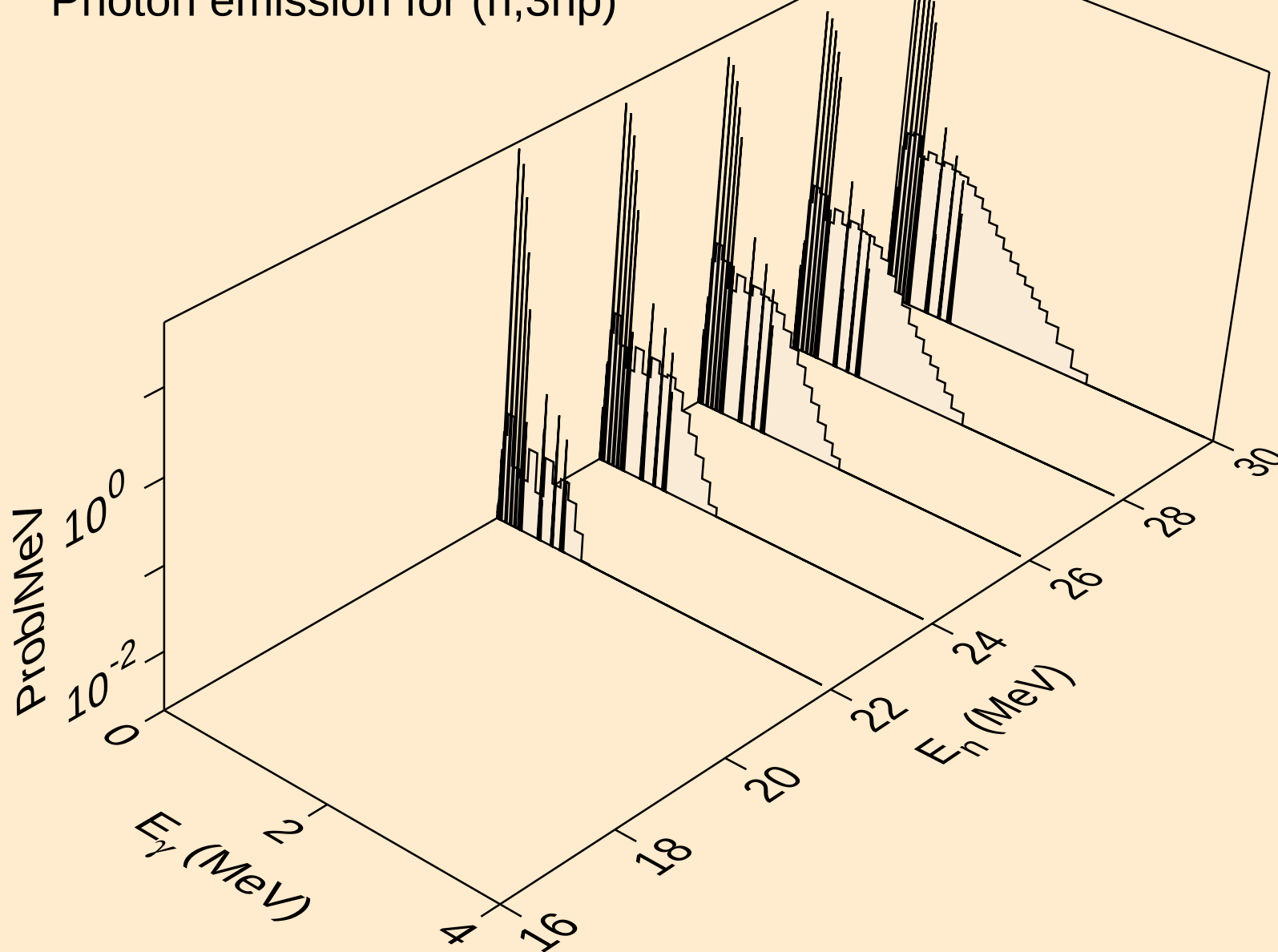
PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,4n)



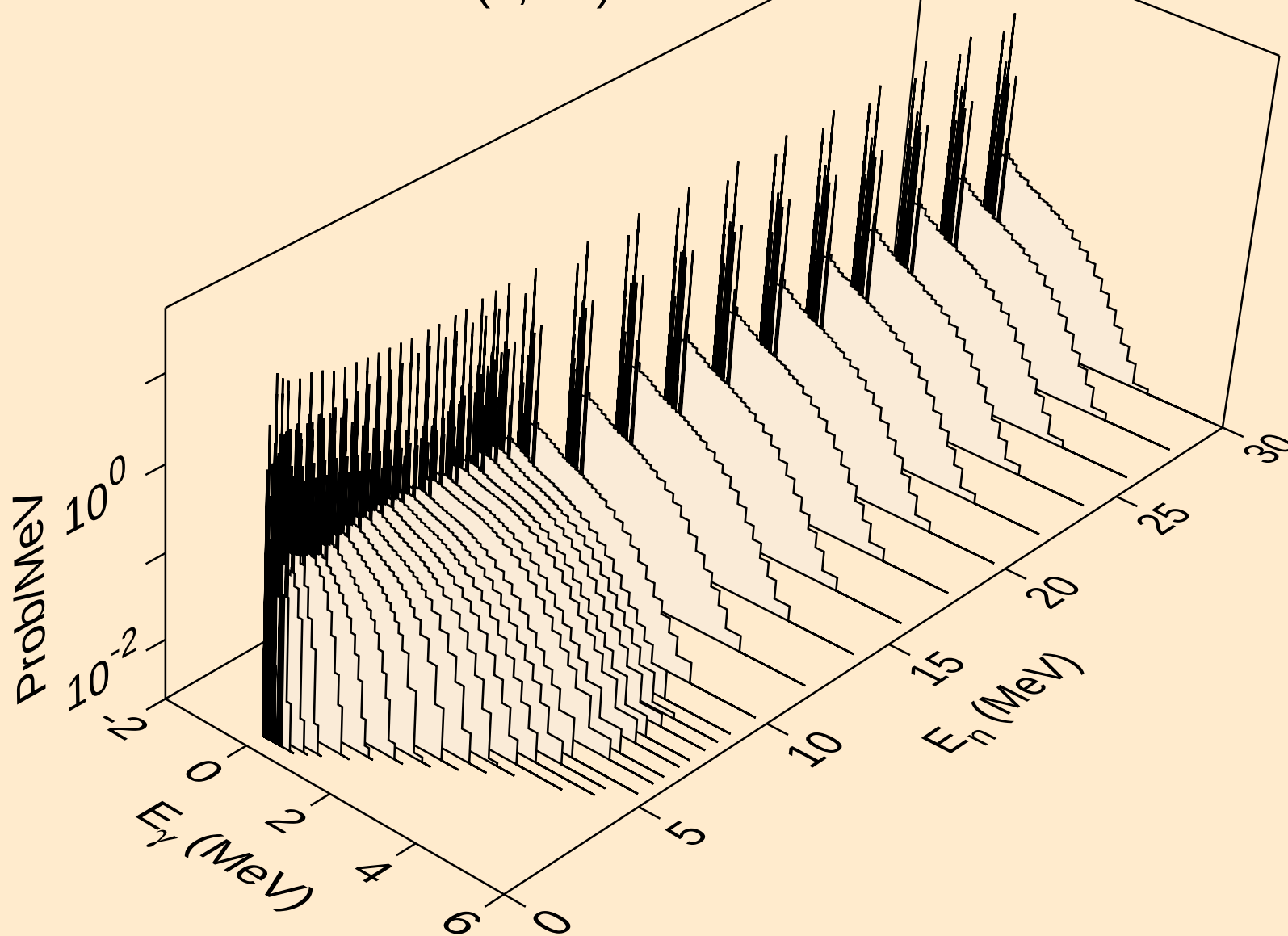
PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2np)



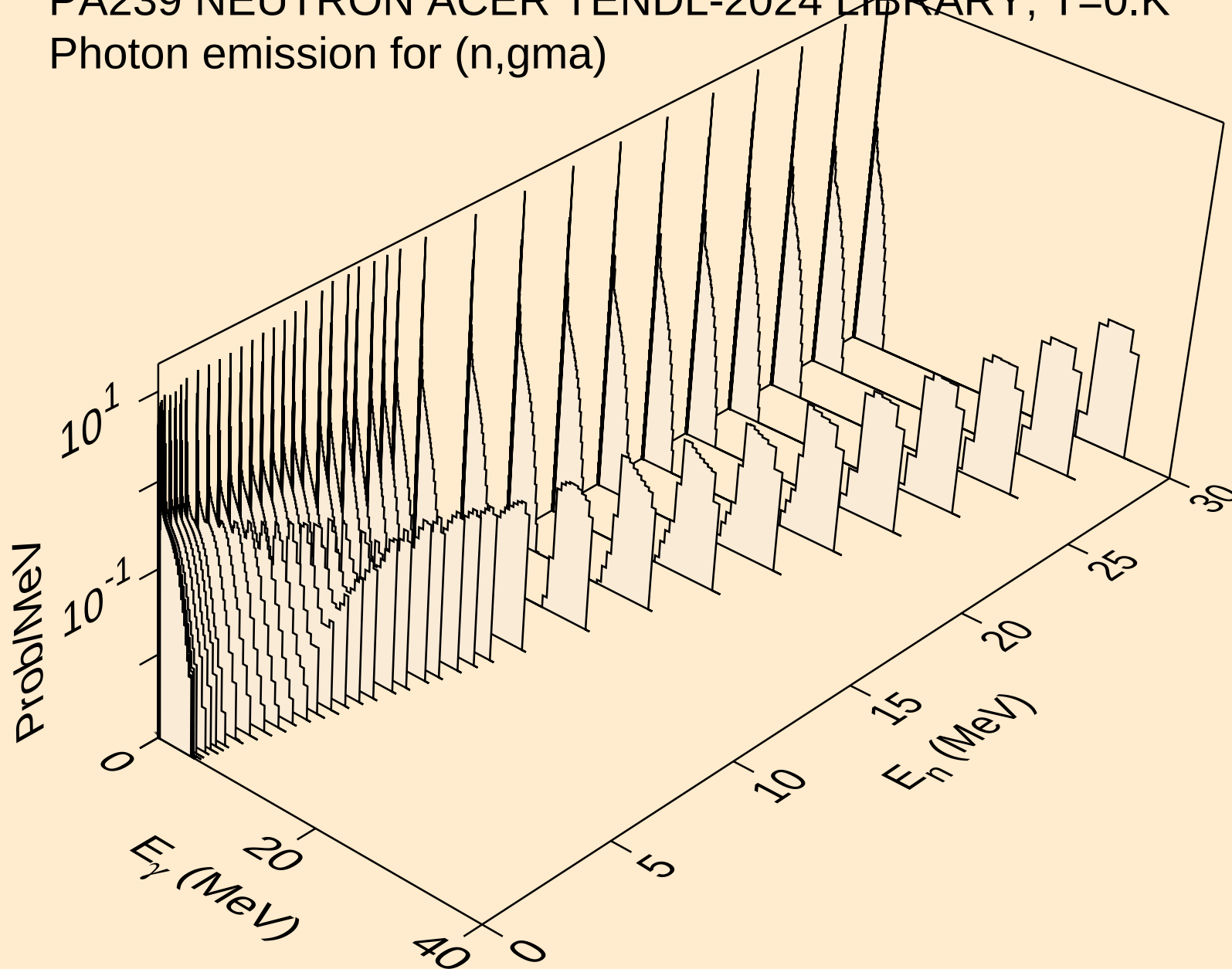
PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3np)



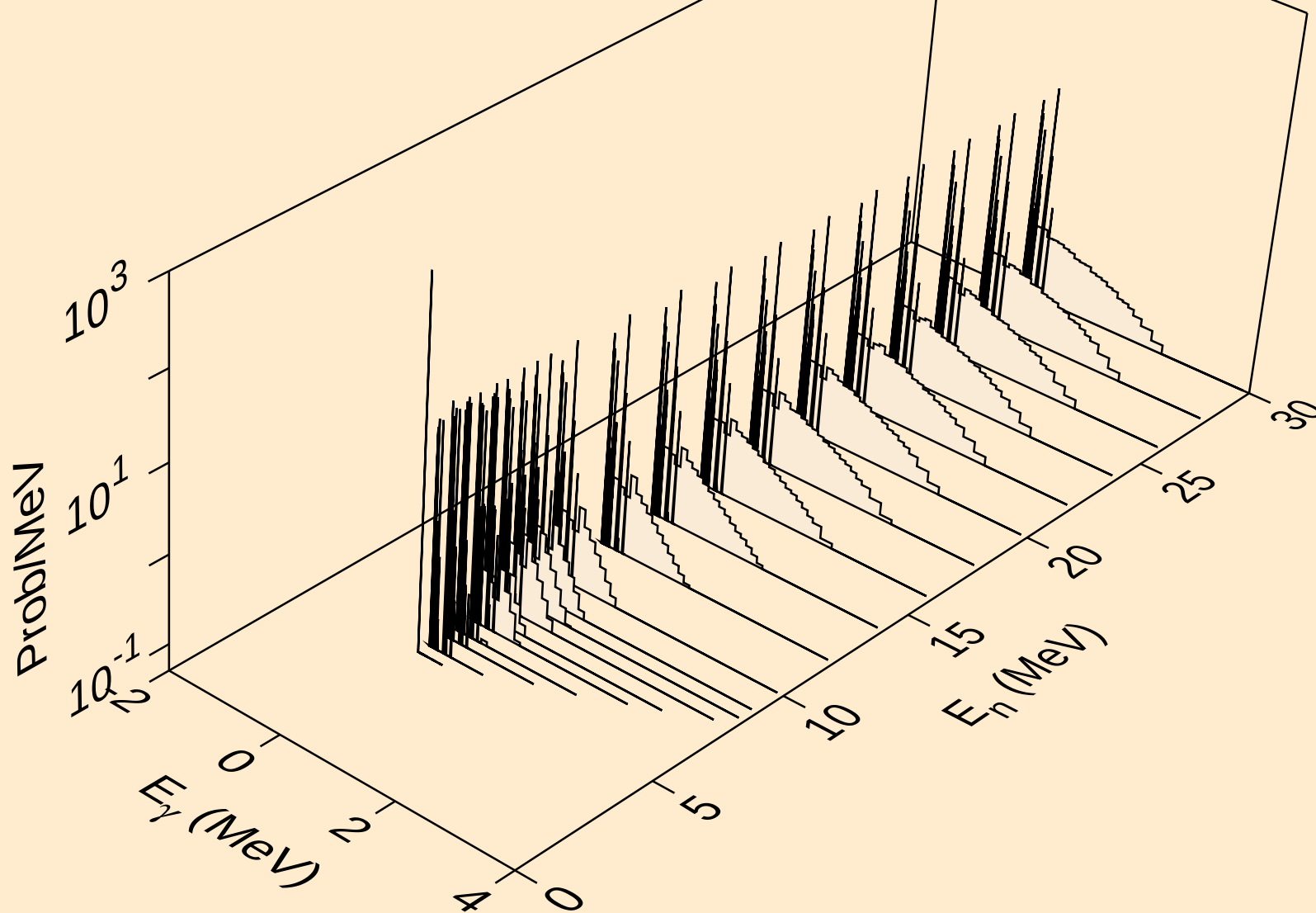
PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*c)



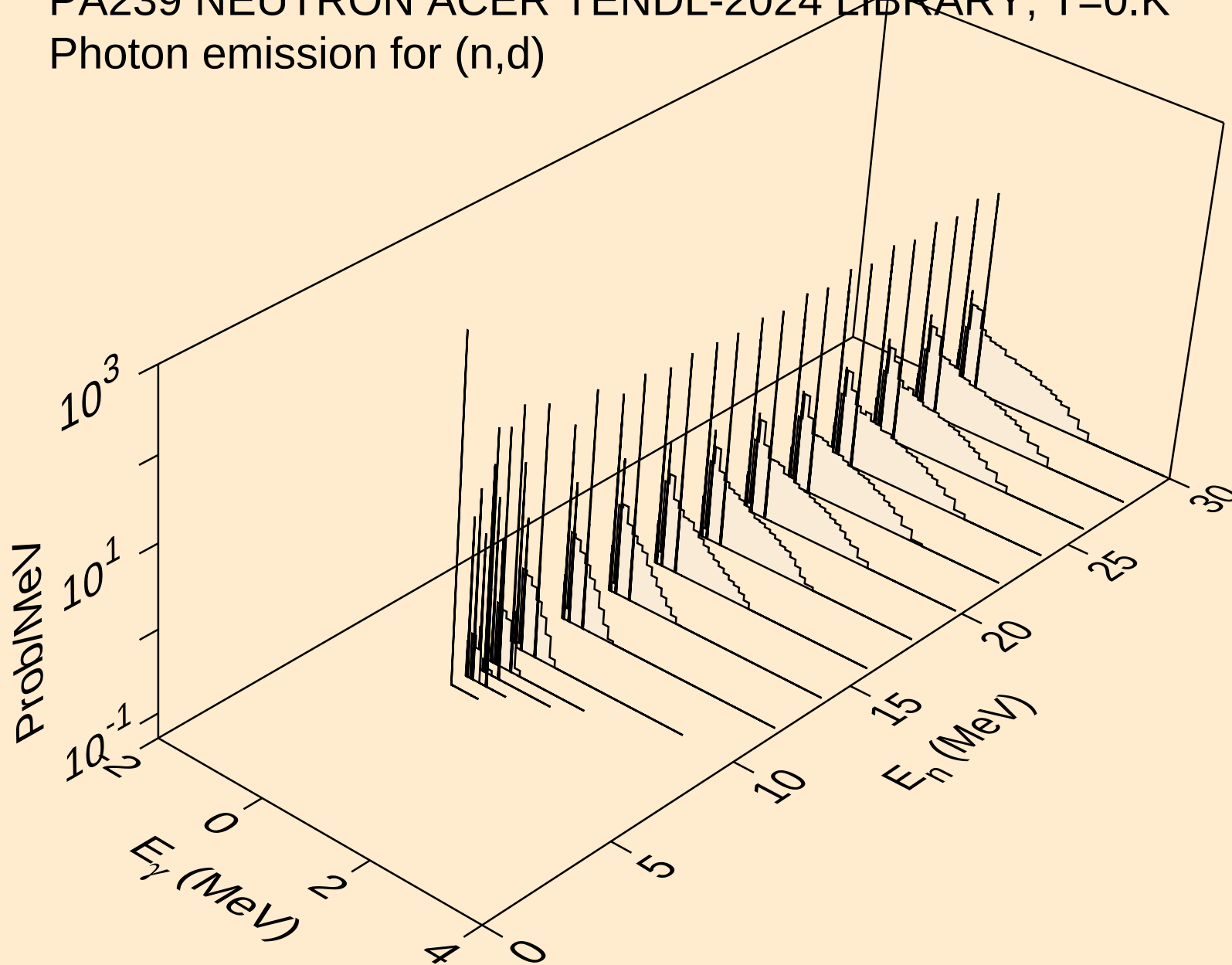
PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,gma)



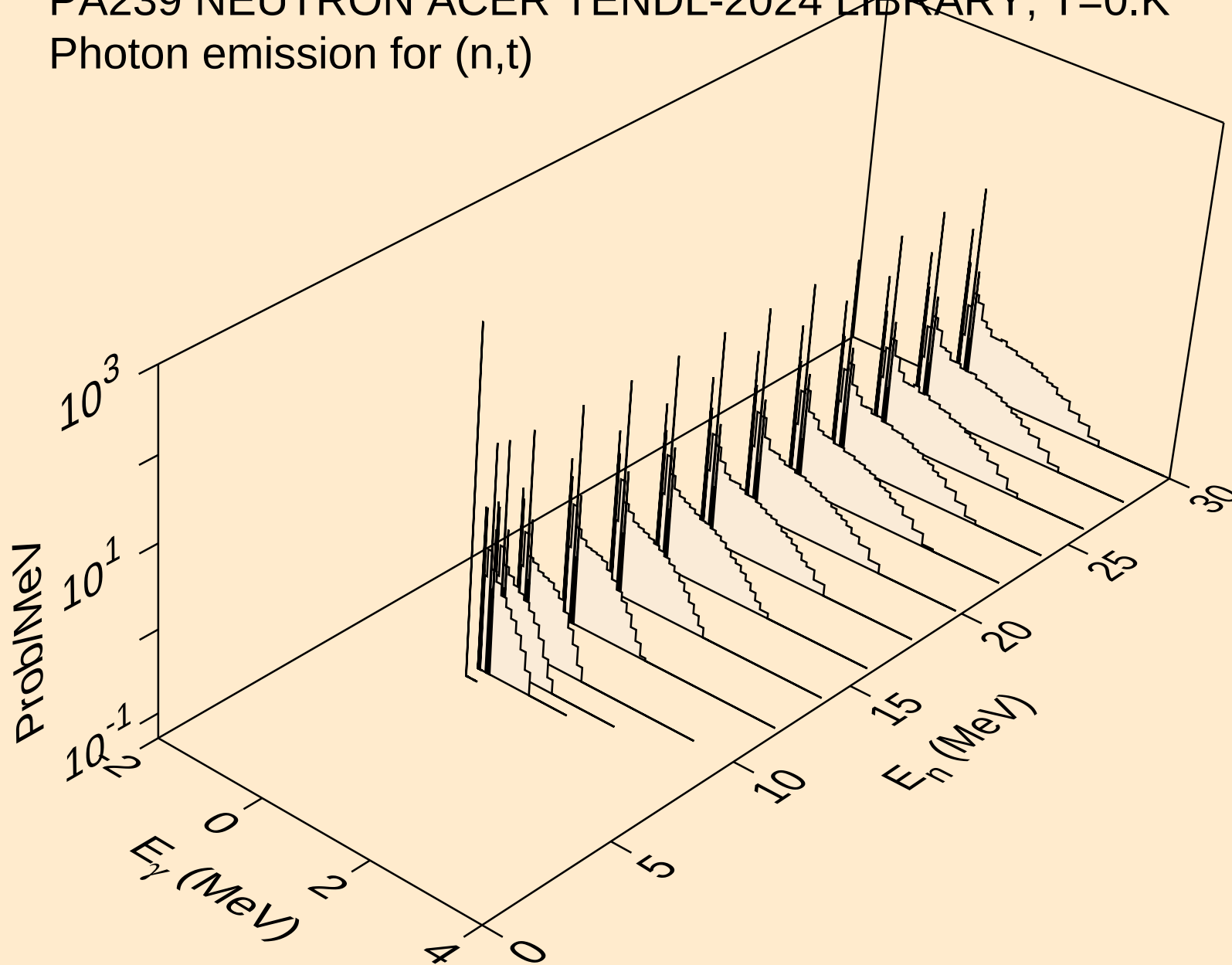
PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p)



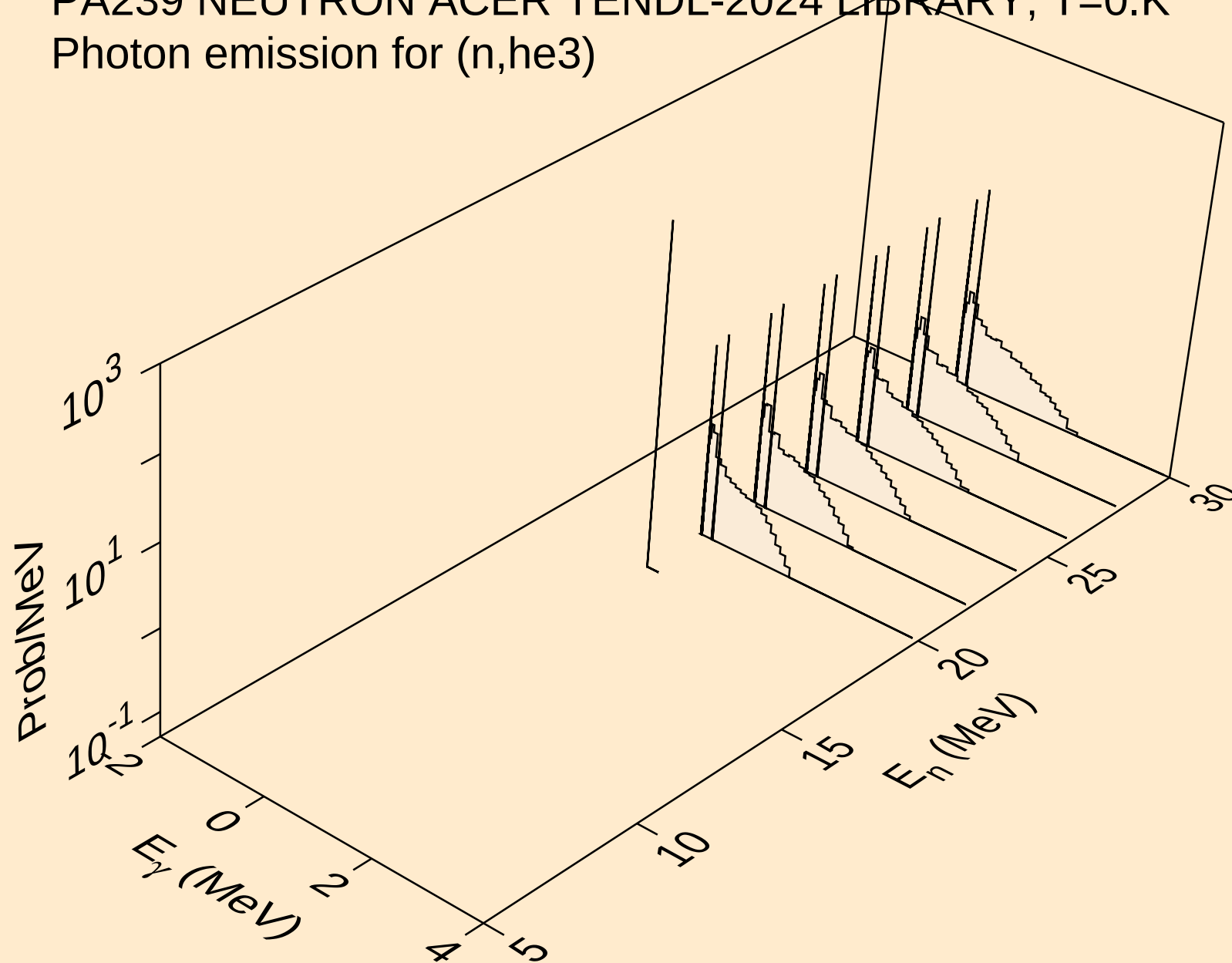
PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,d)



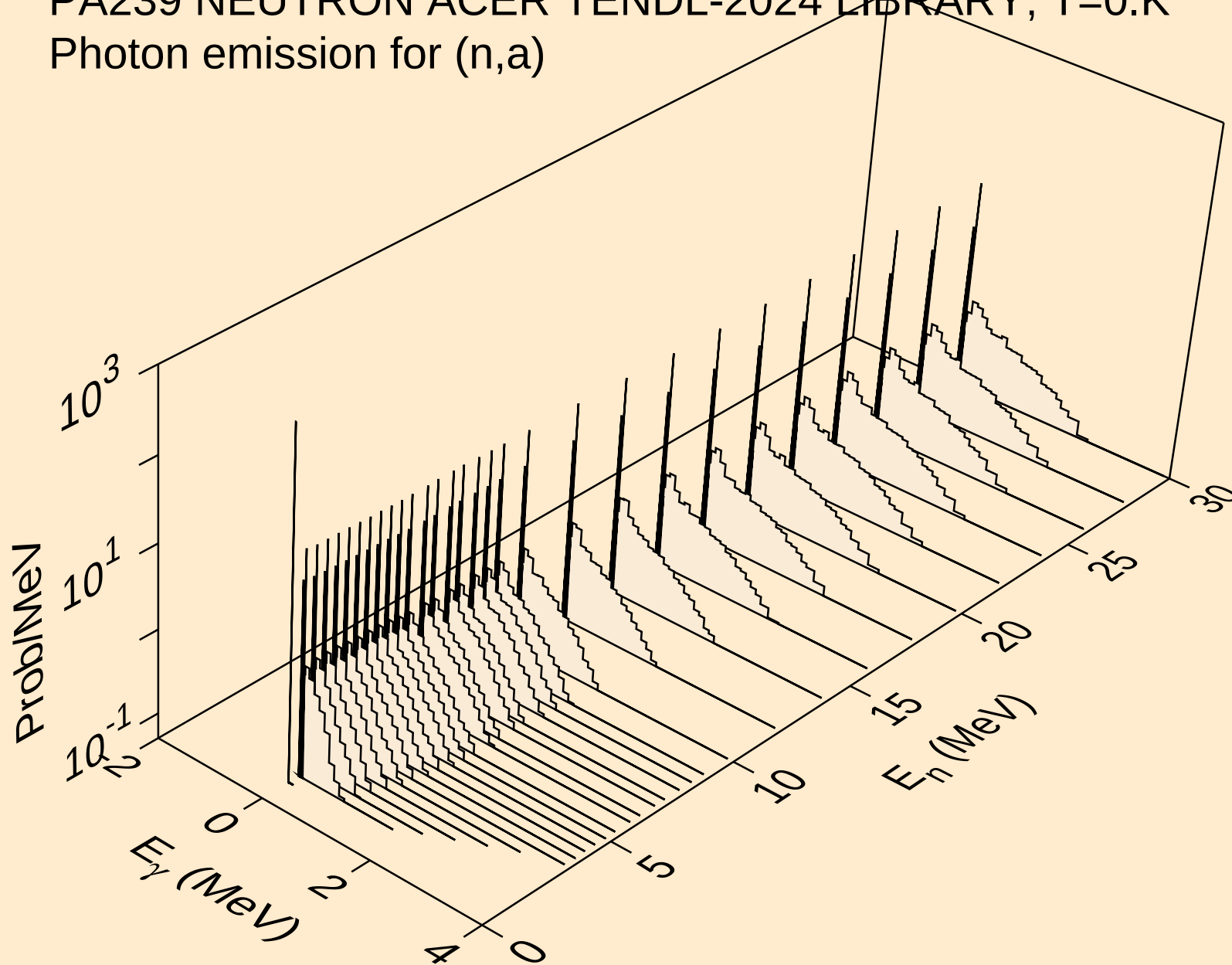
PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,t)



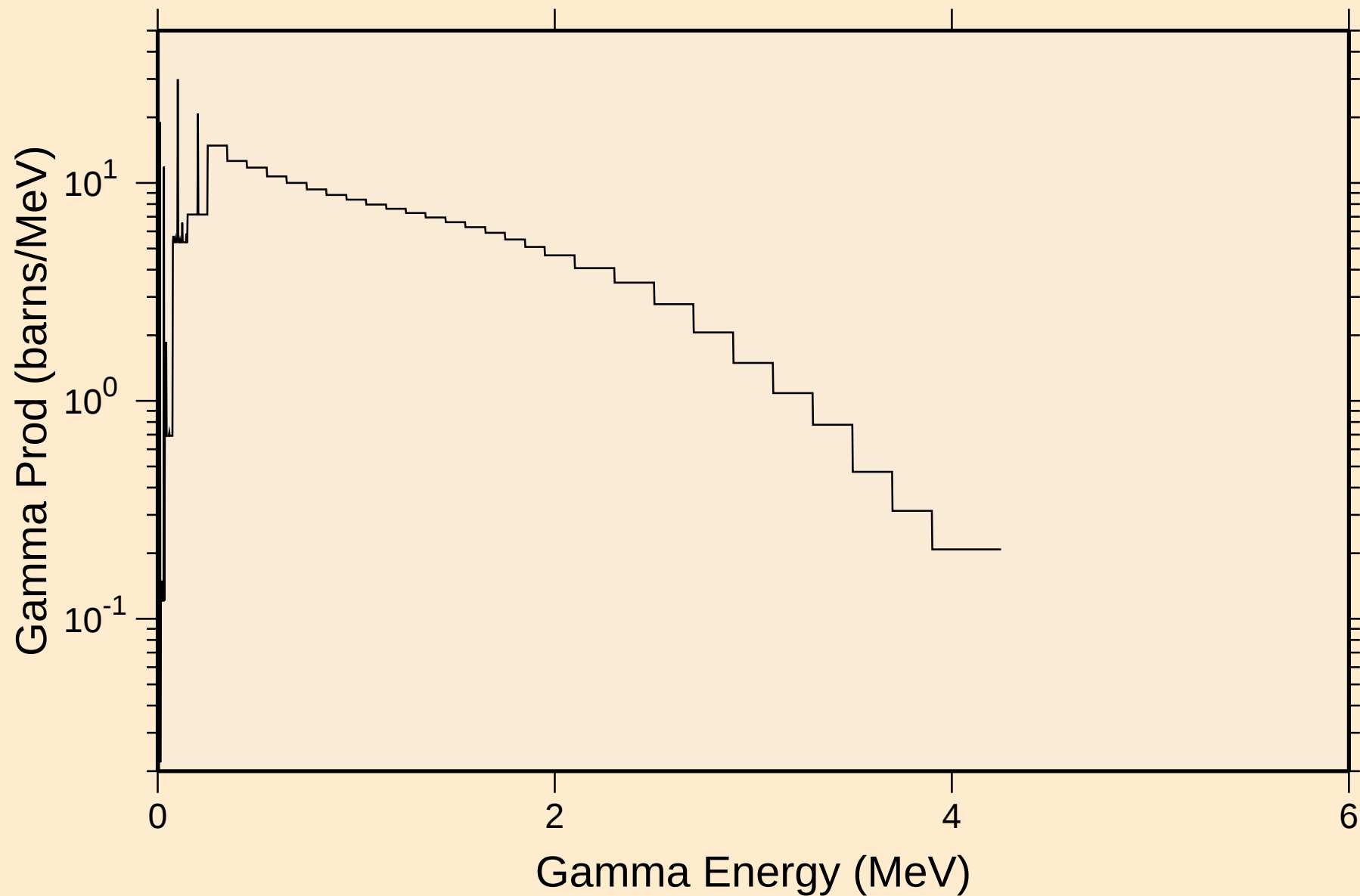
PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,he3)



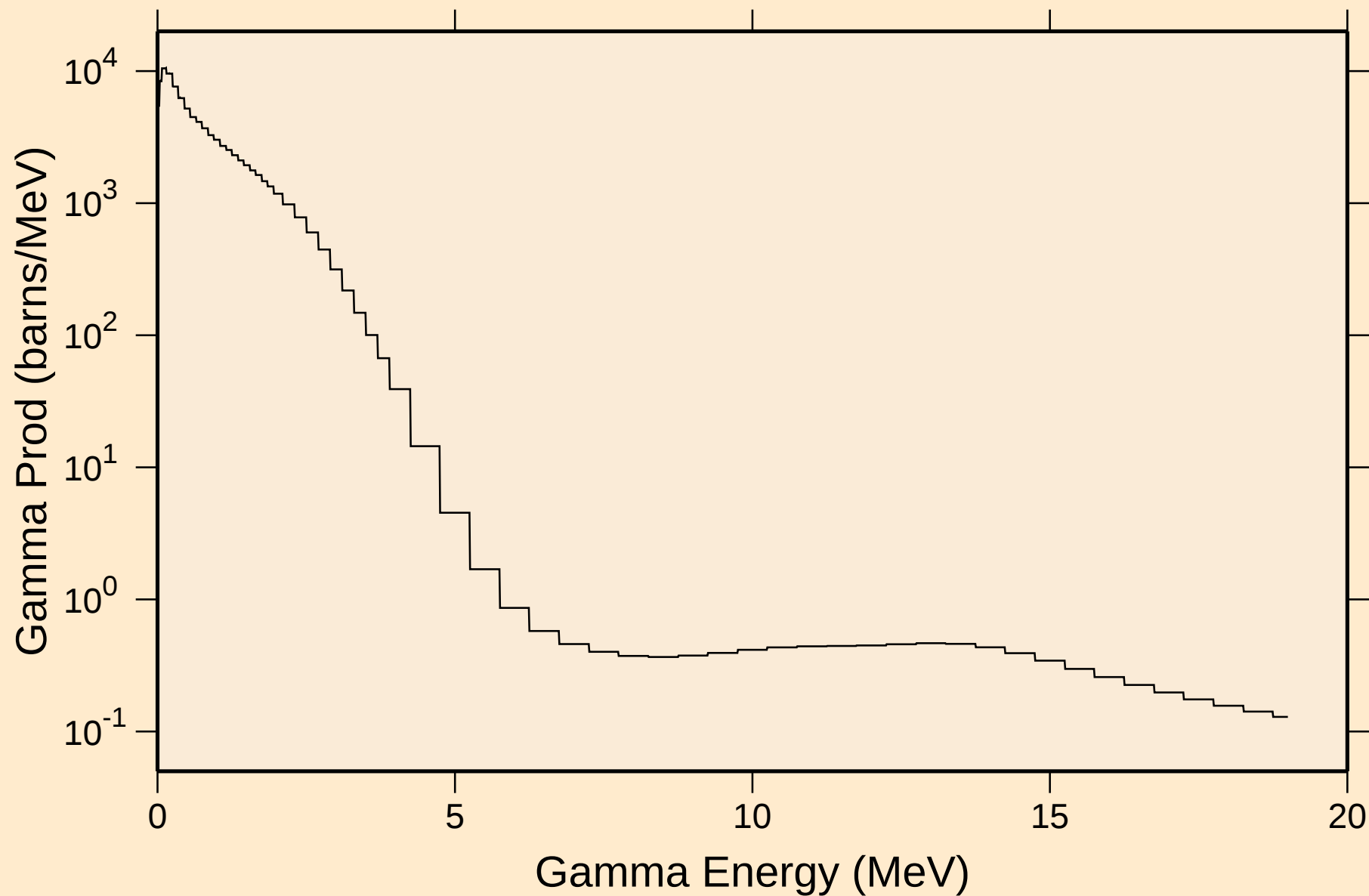
PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,a)



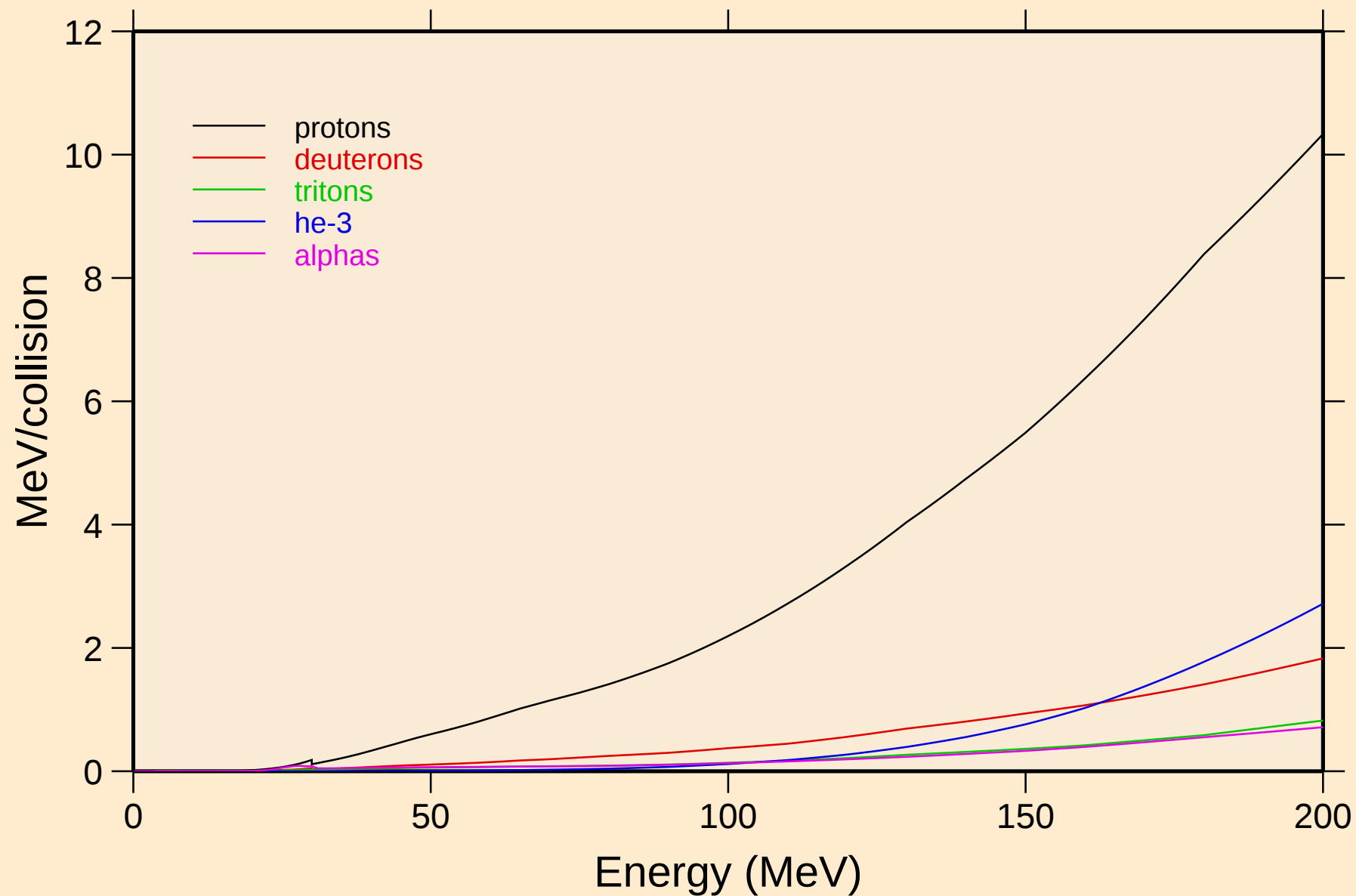
PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
thermal capture photon spectrum



PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
14 MeV photon spectrum

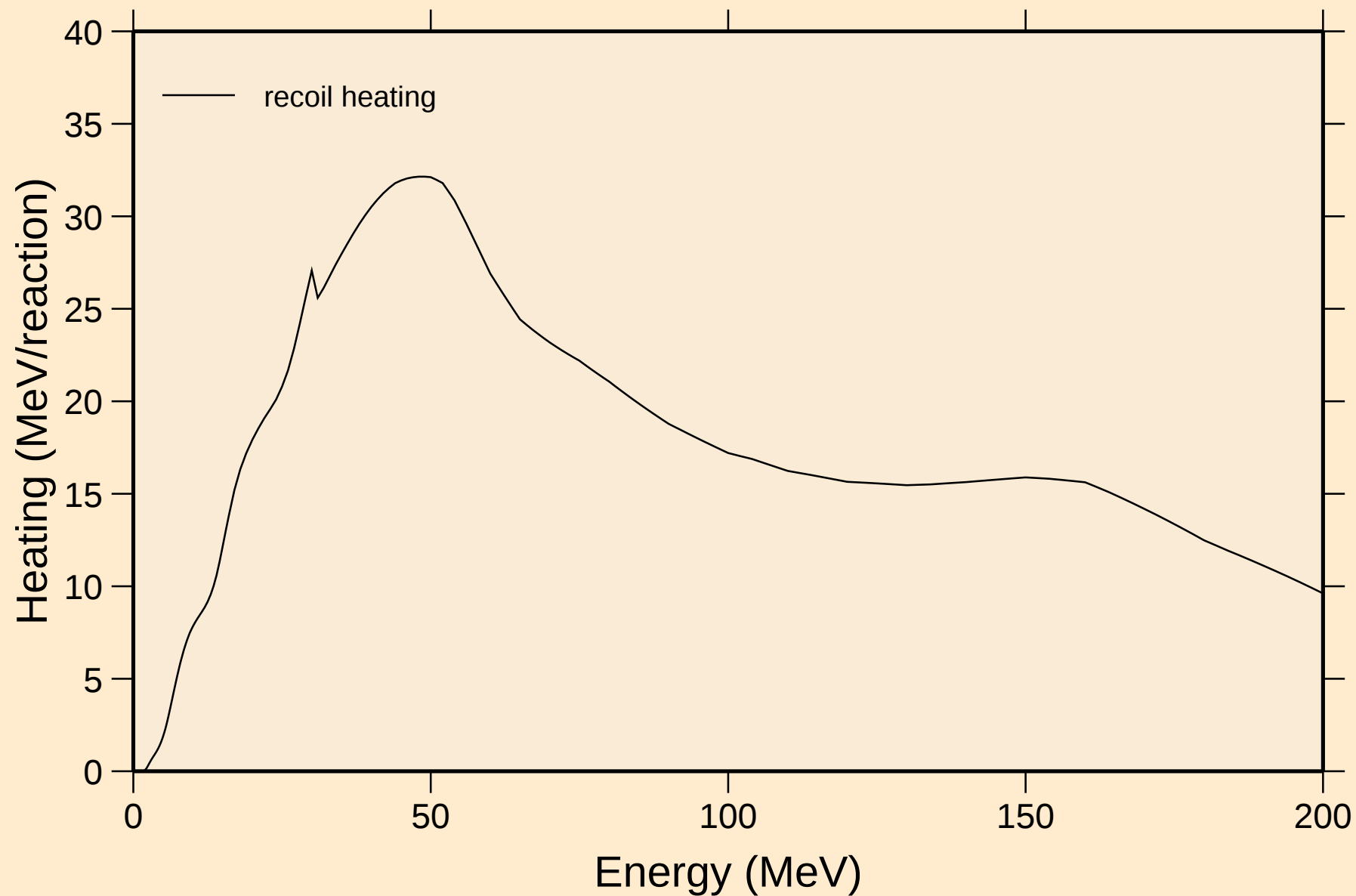


PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Particle heating contributions



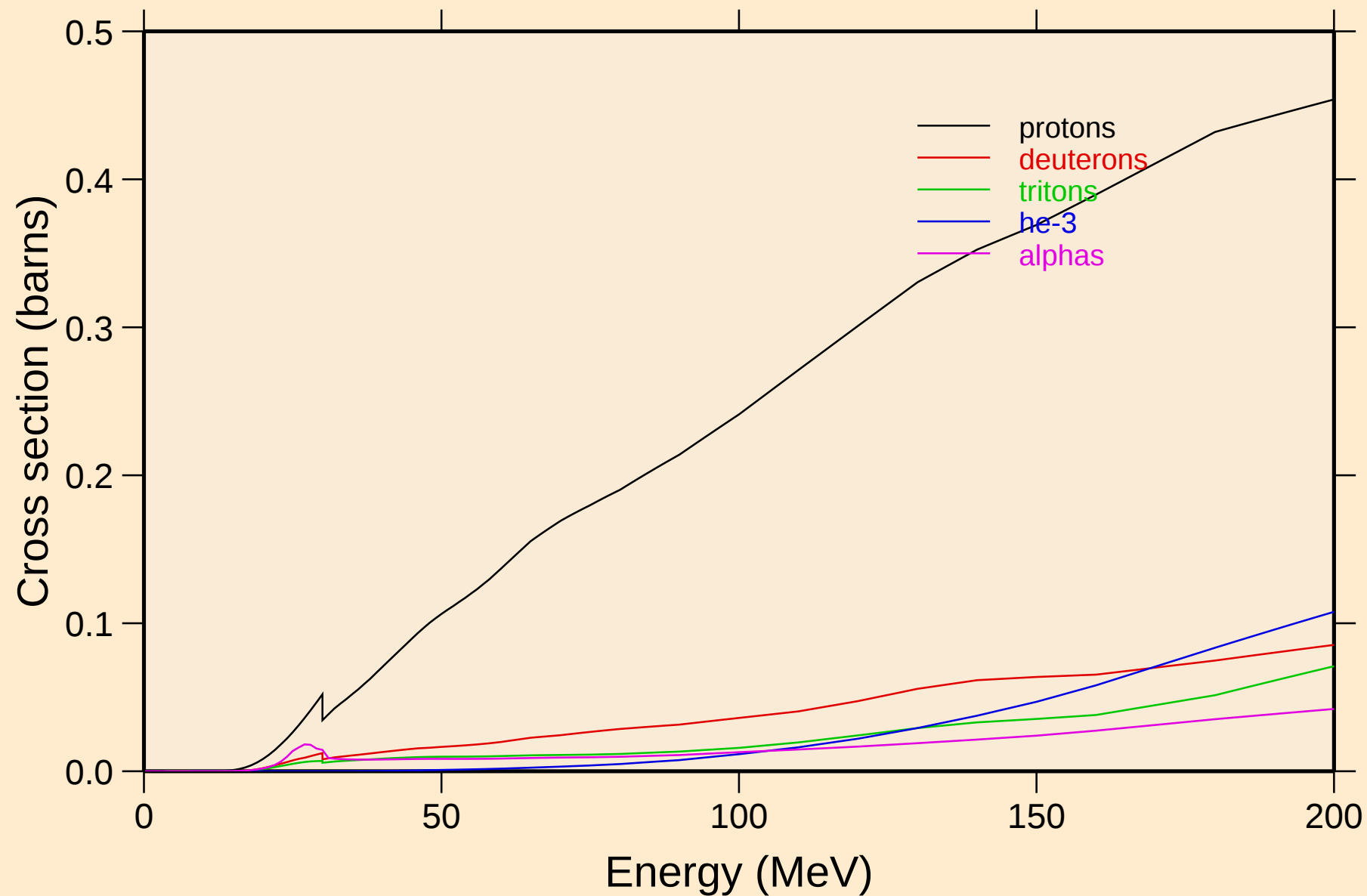
# PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Recoil Heating

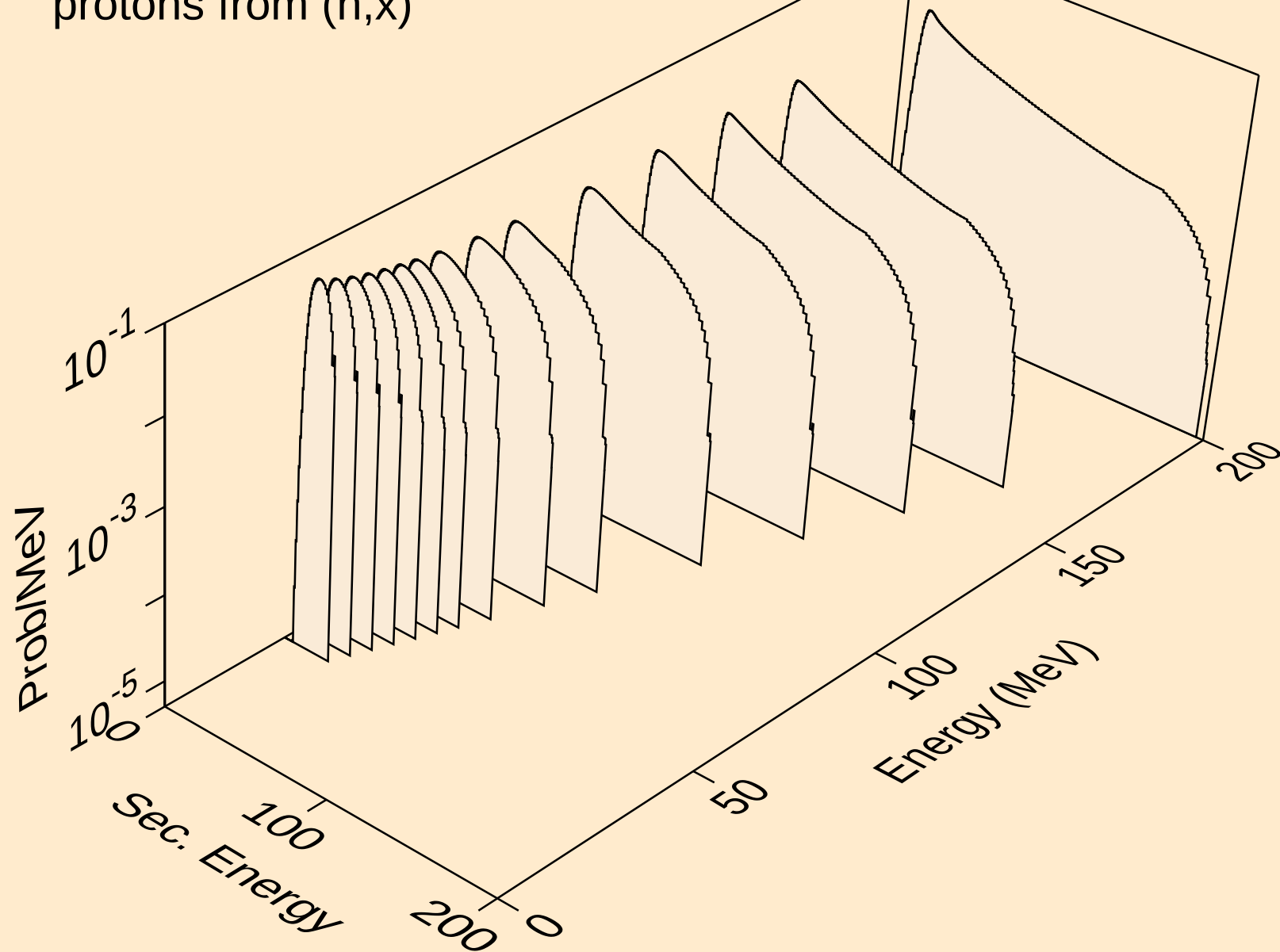


# PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

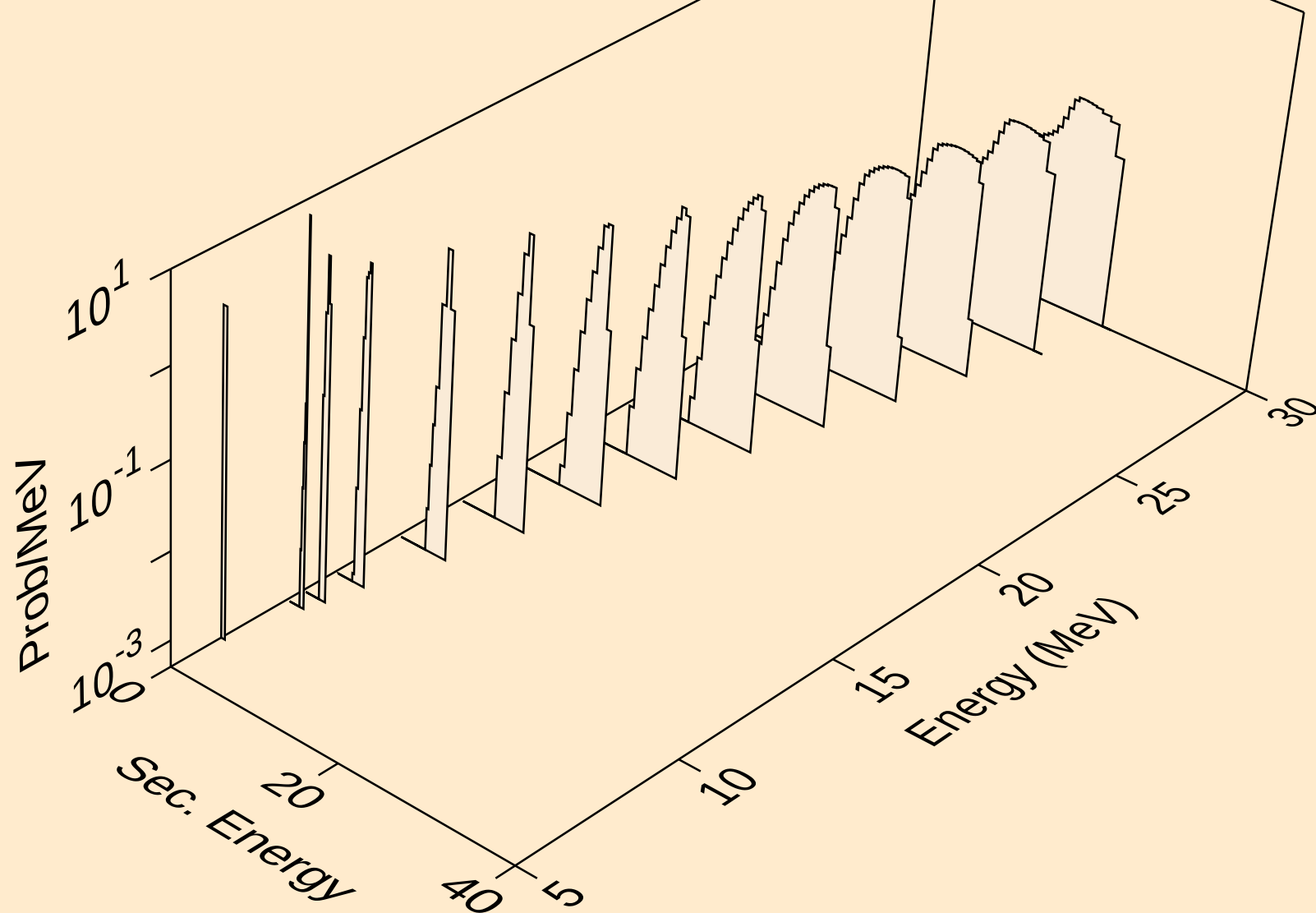
## Particle production cross sections



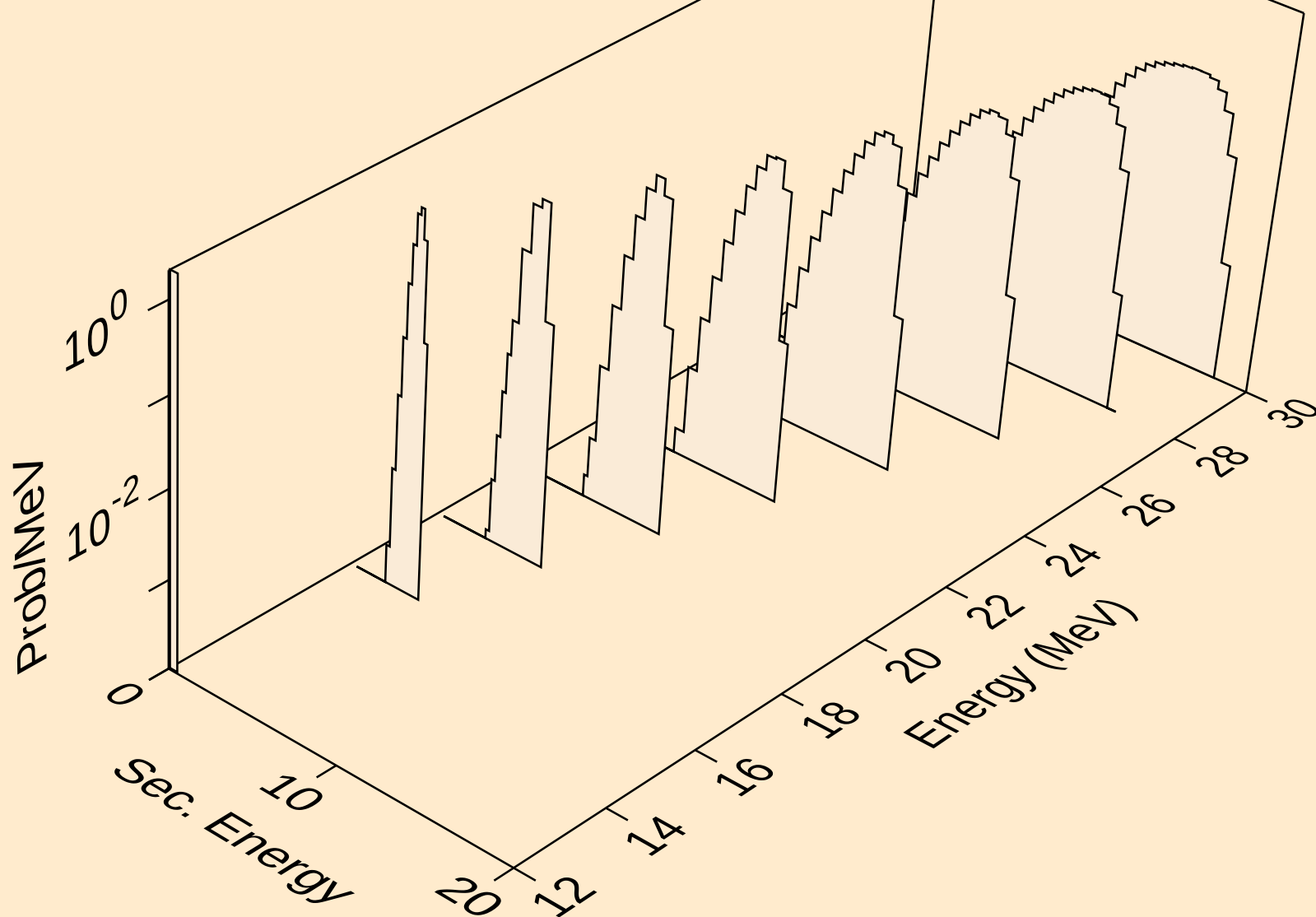
PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,x)



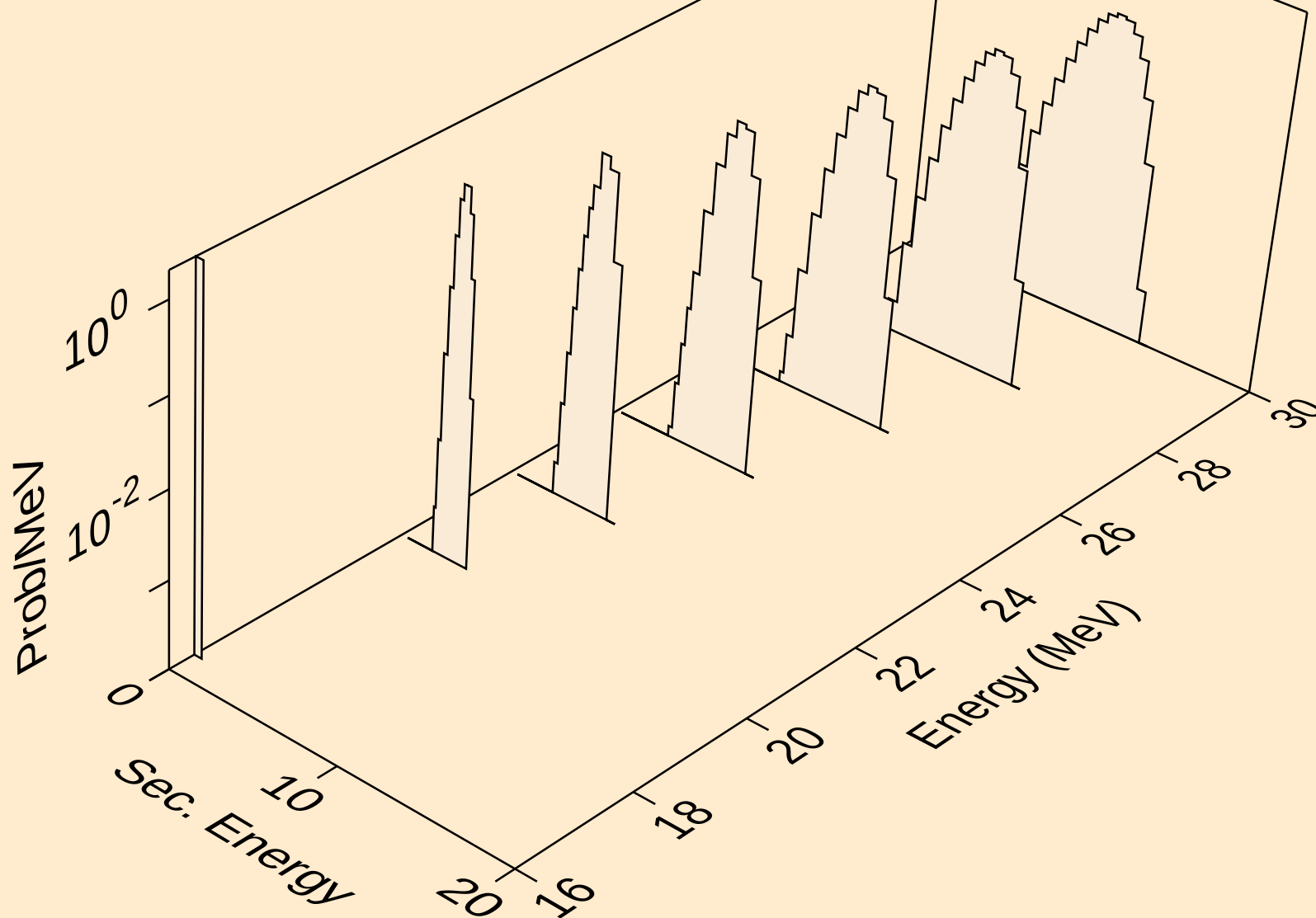
PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,n\*)p



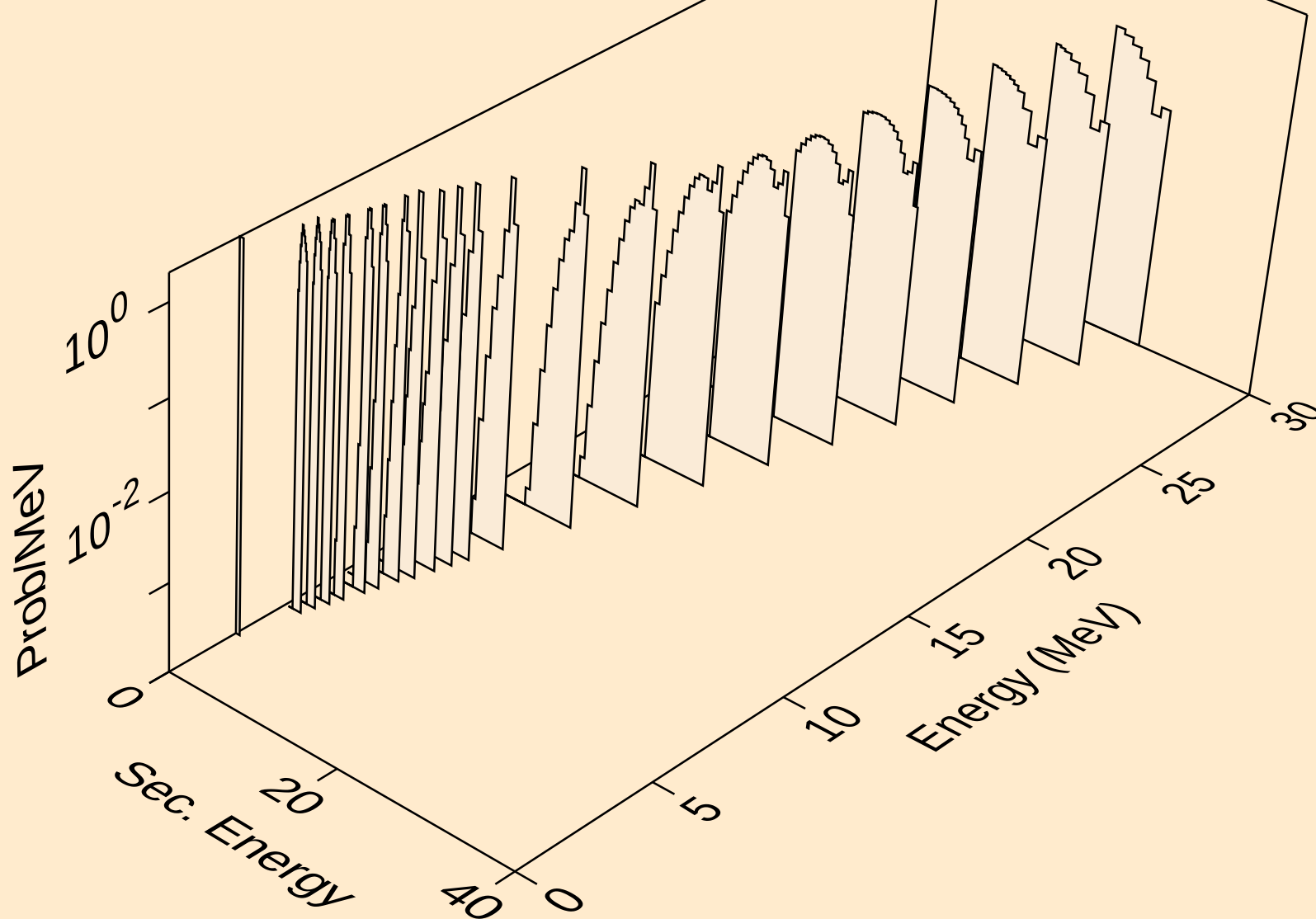
PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,2np)



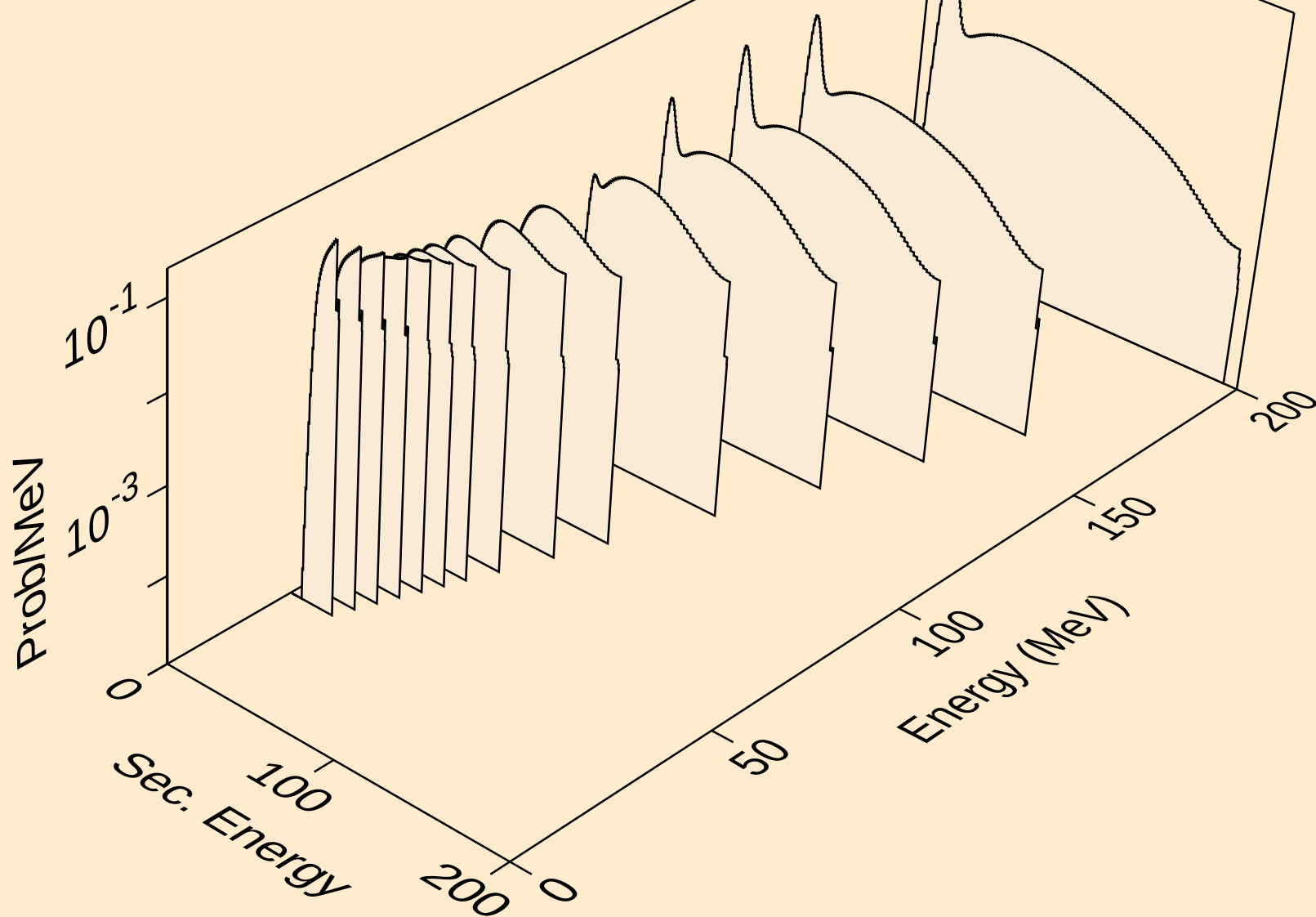
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protons from (n,3np)



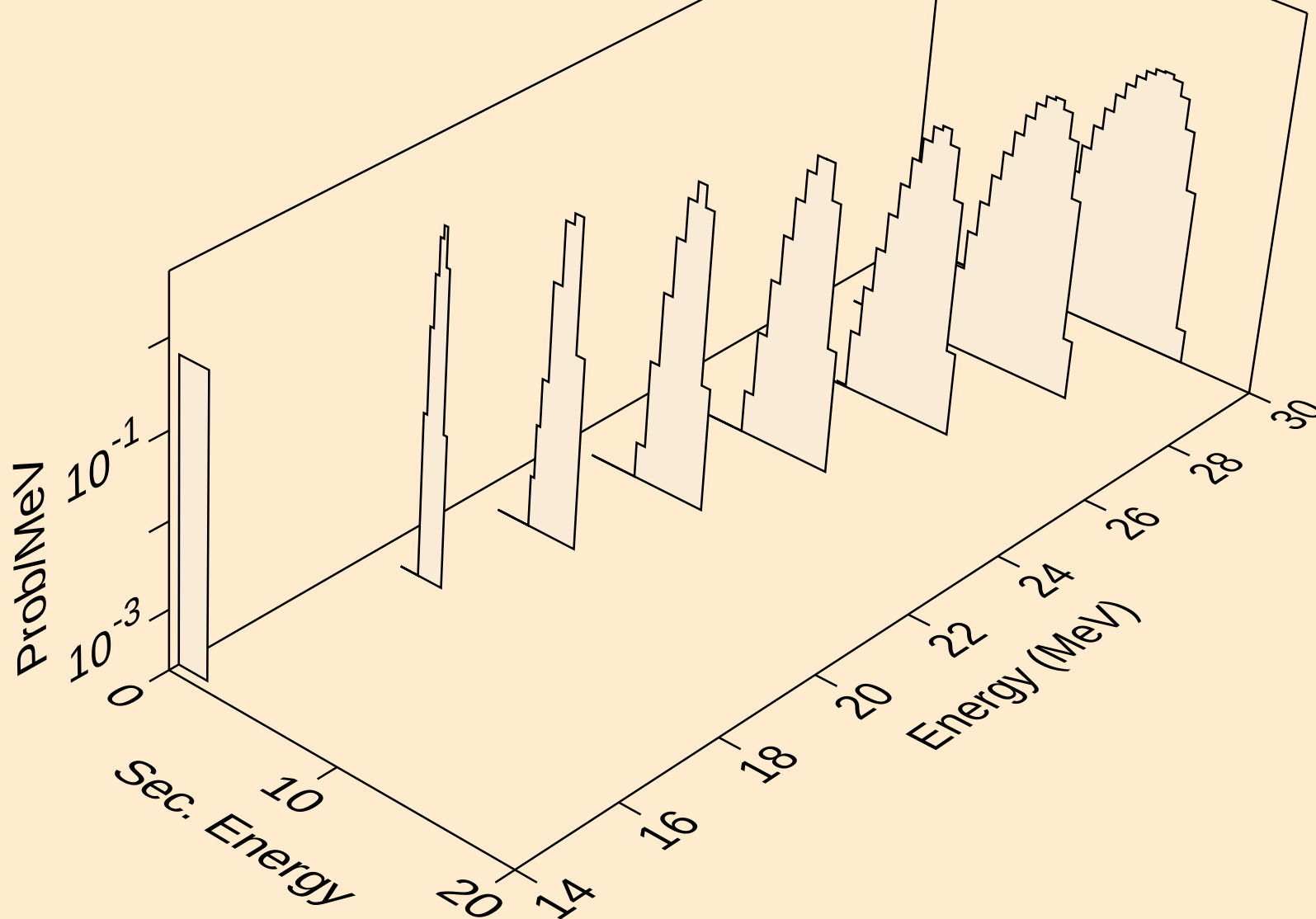
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protons from (n,p)



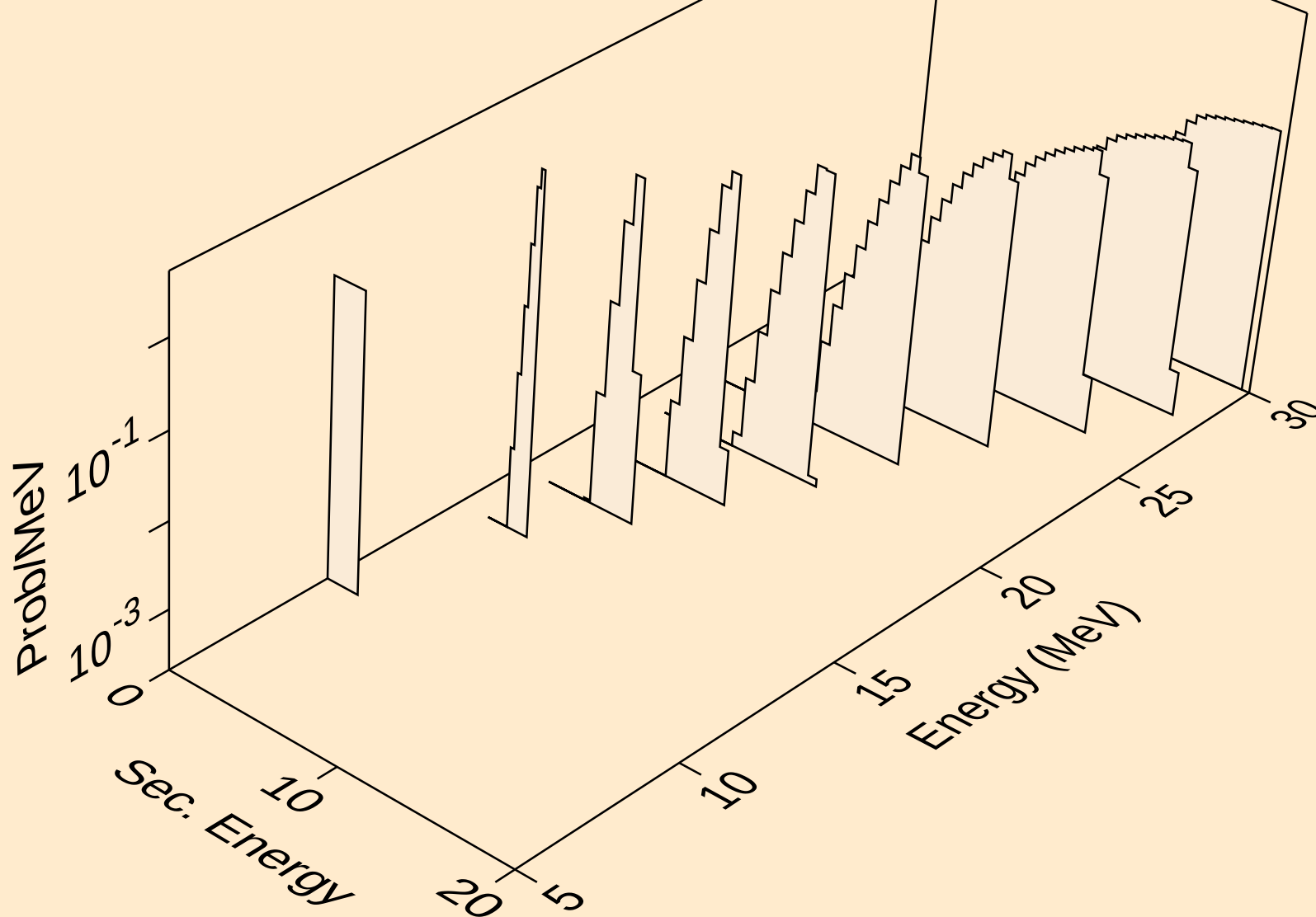
PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,x)



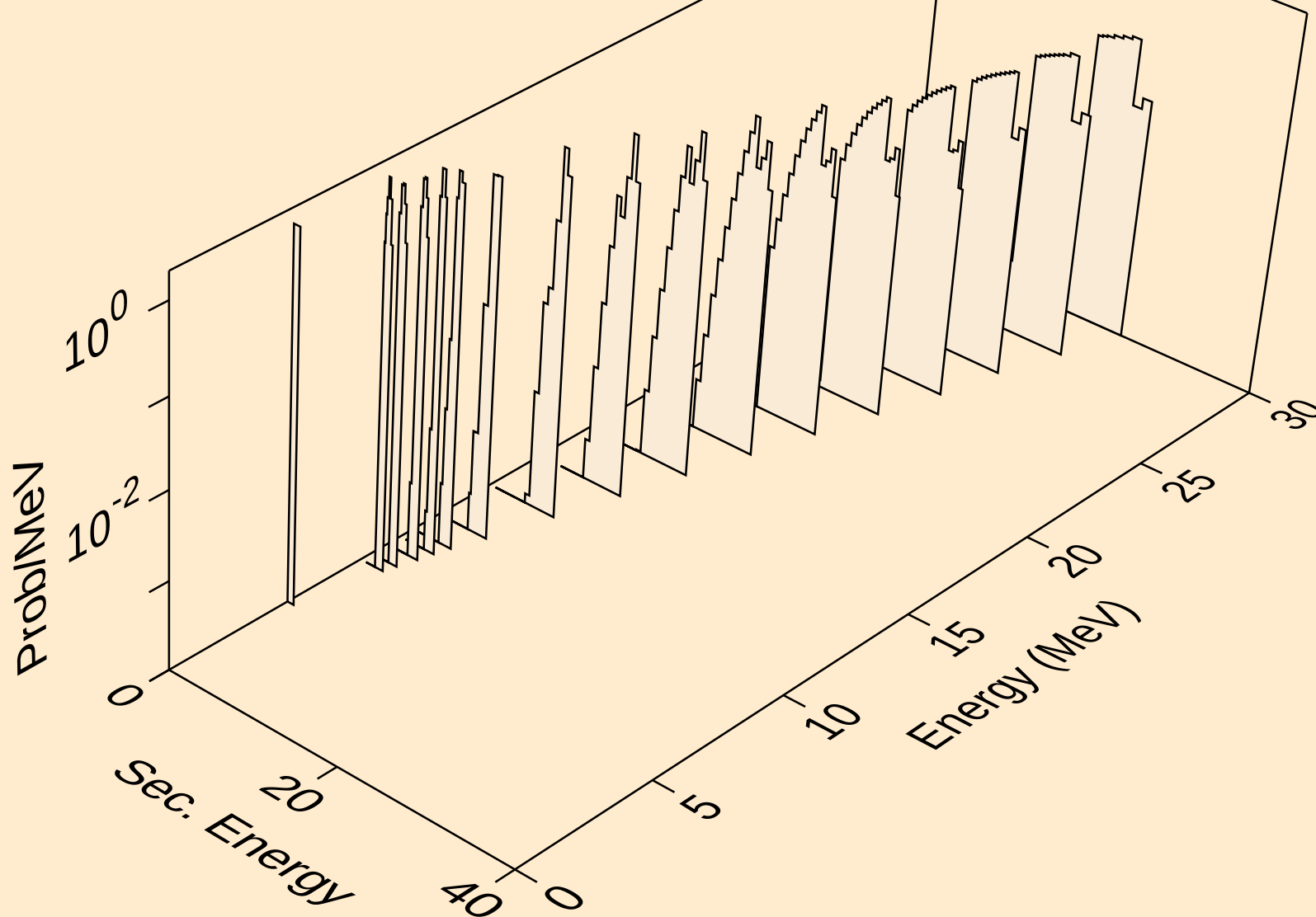
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deuterons from (n,2nd)



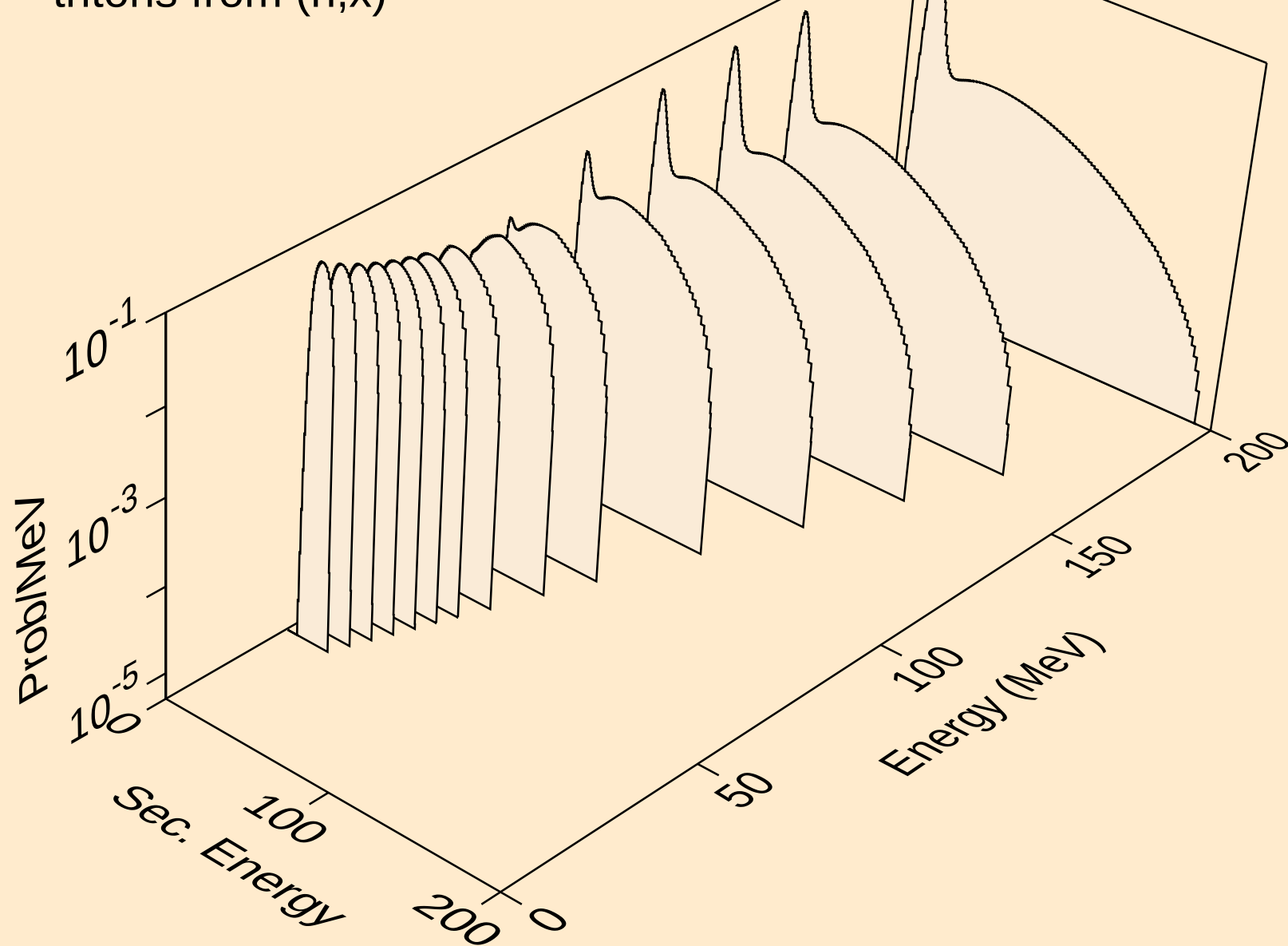
PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,n\*)d



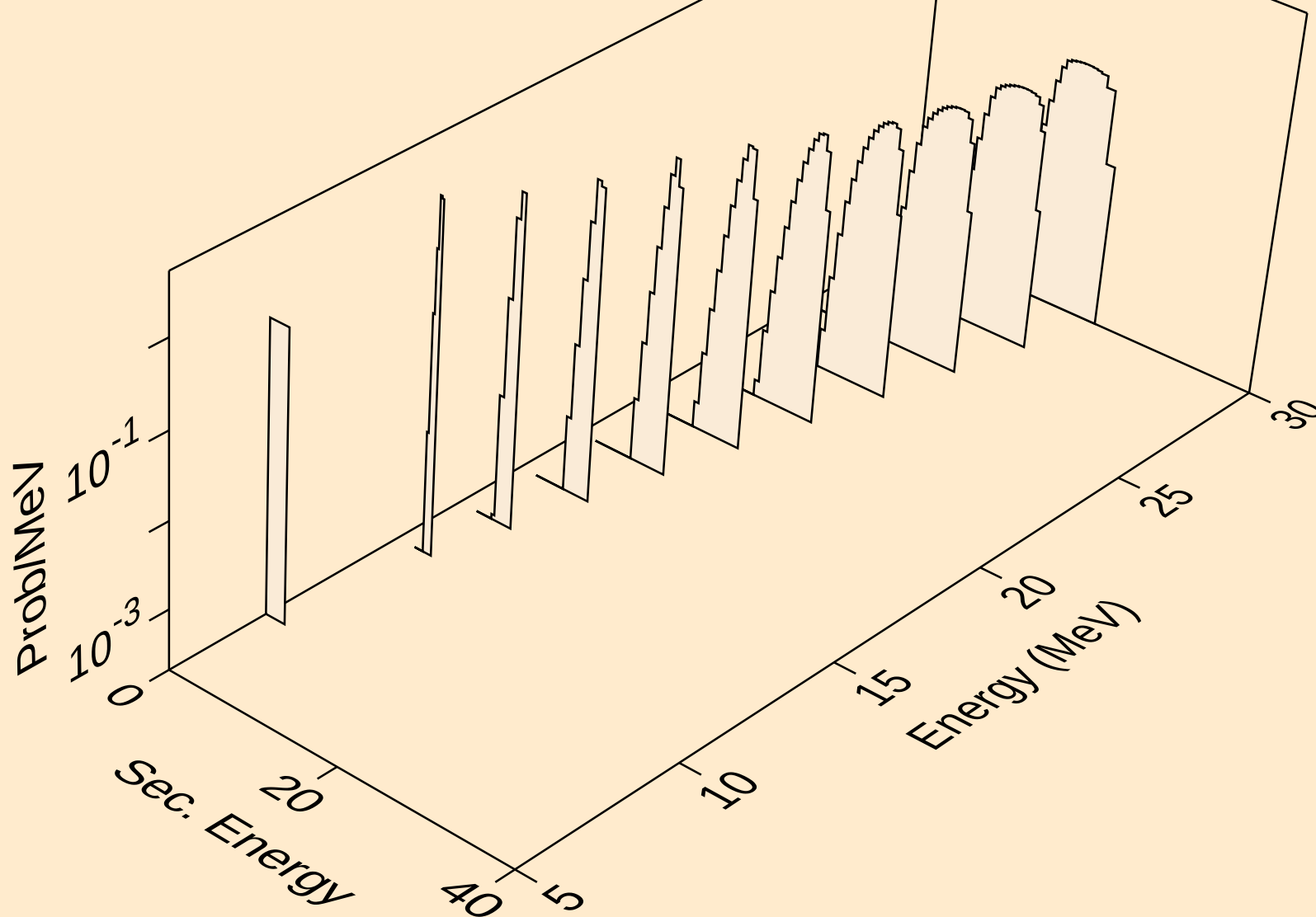
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deuterons from (n,d)



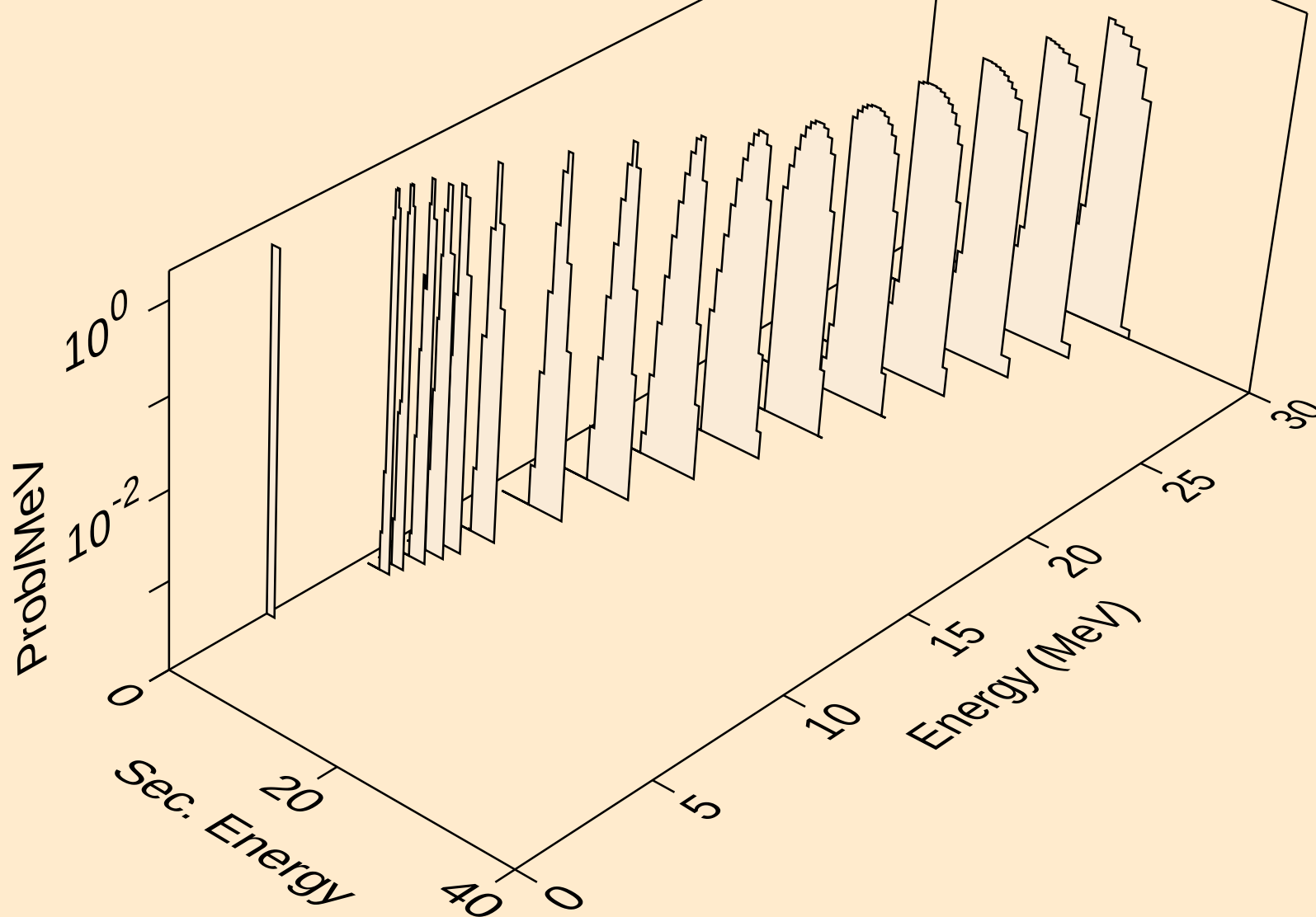
PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,x)



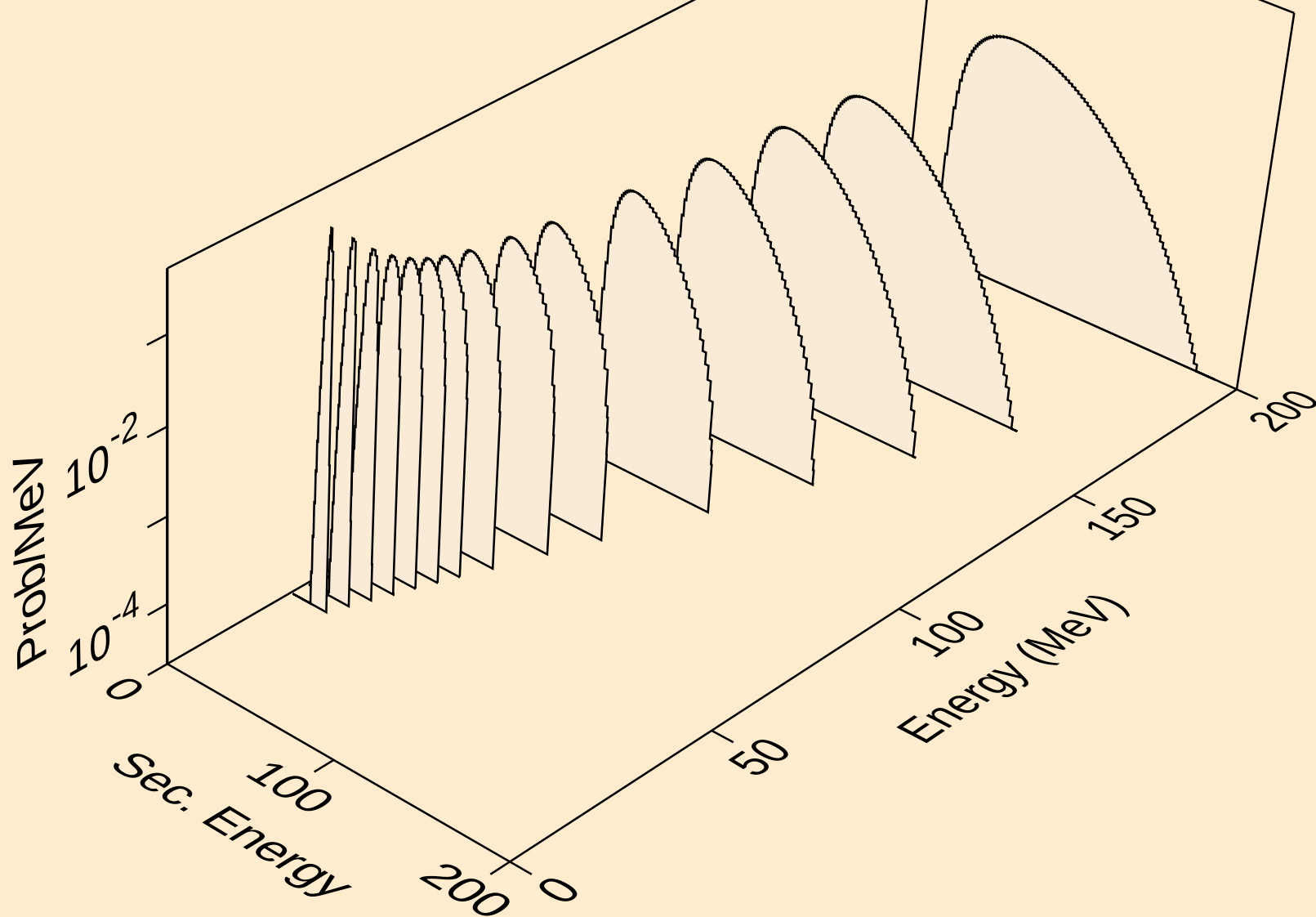
PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,n\*)t



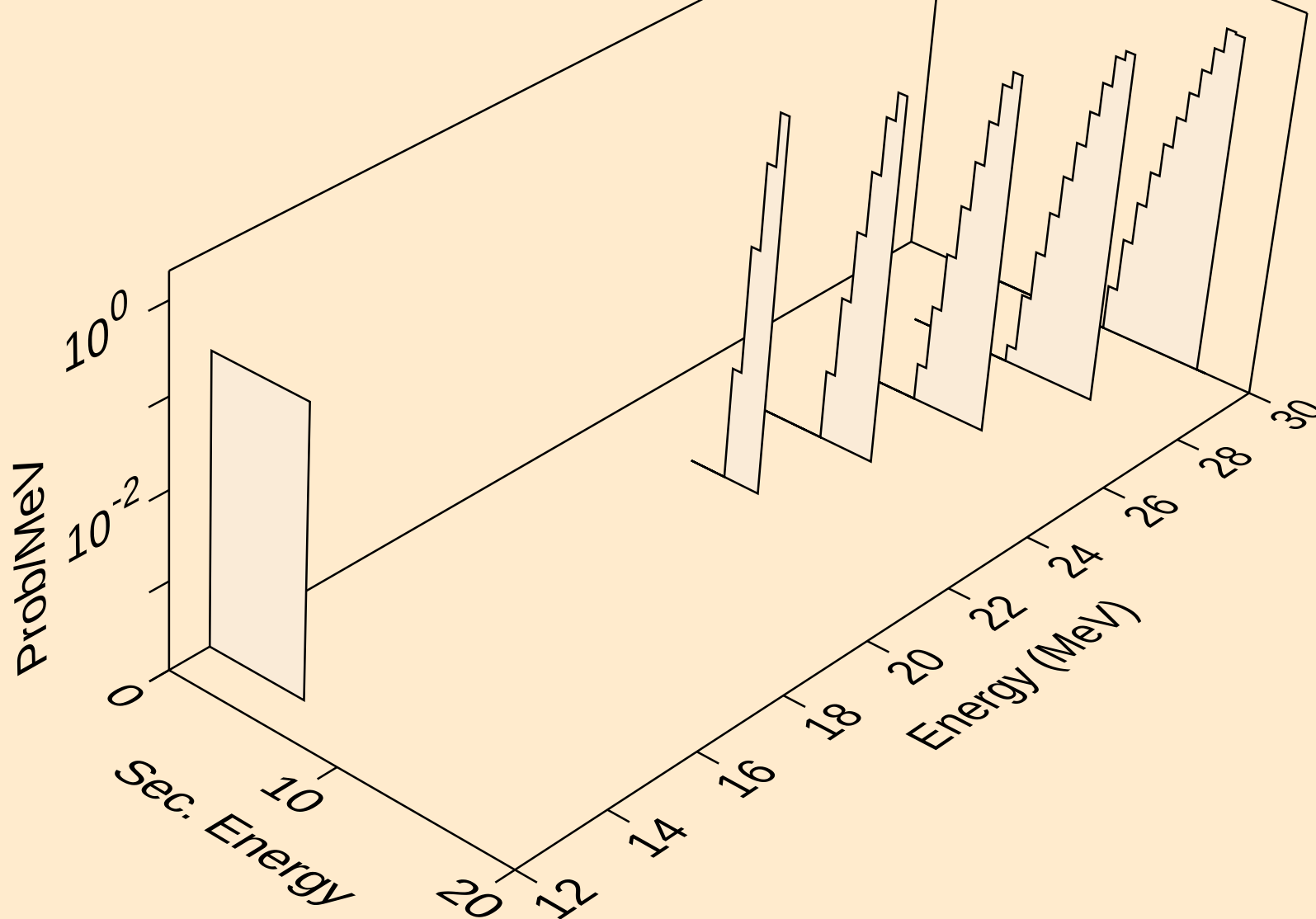
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tritons from (n,t)



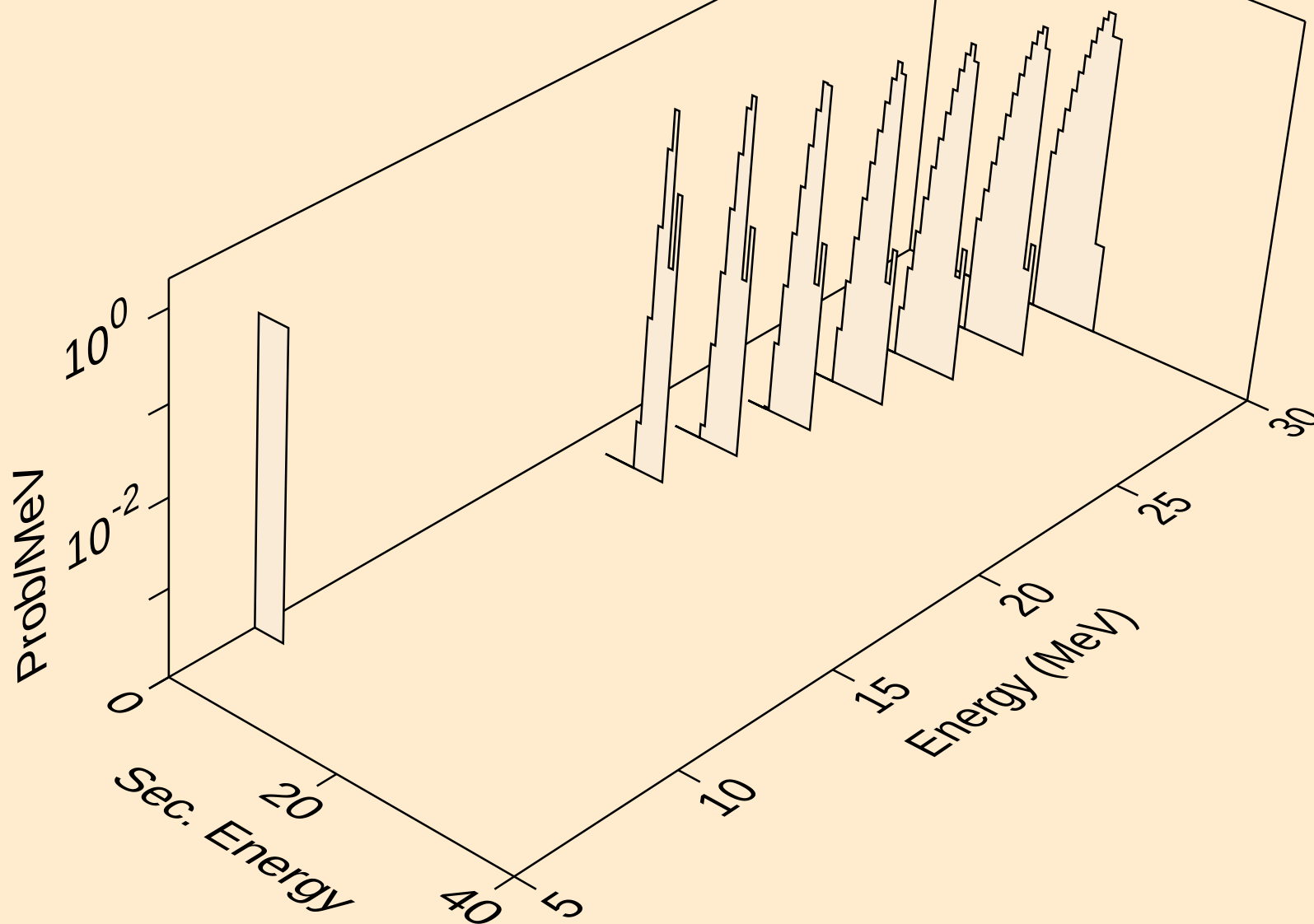
PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,x)



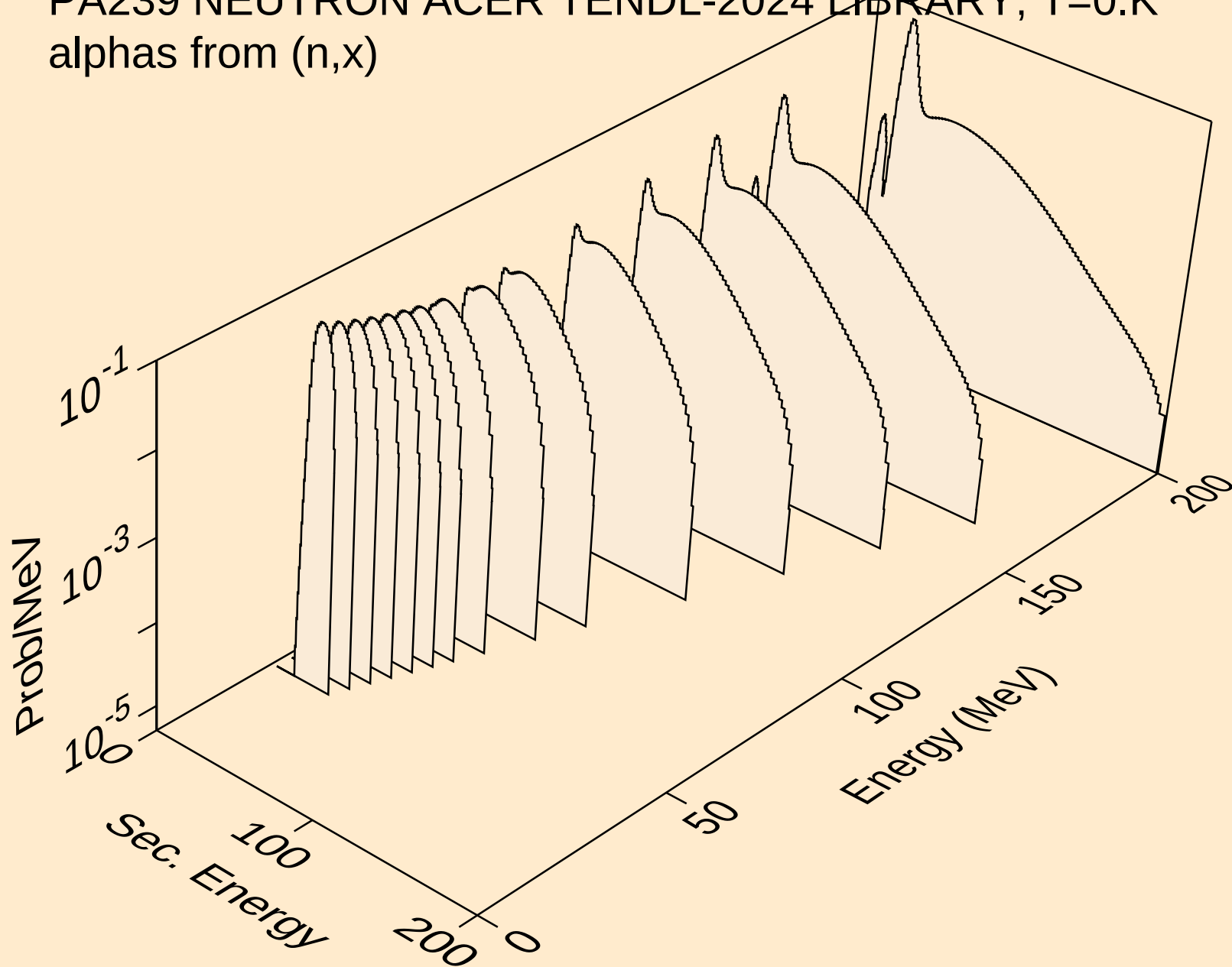
PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,n\*)he3



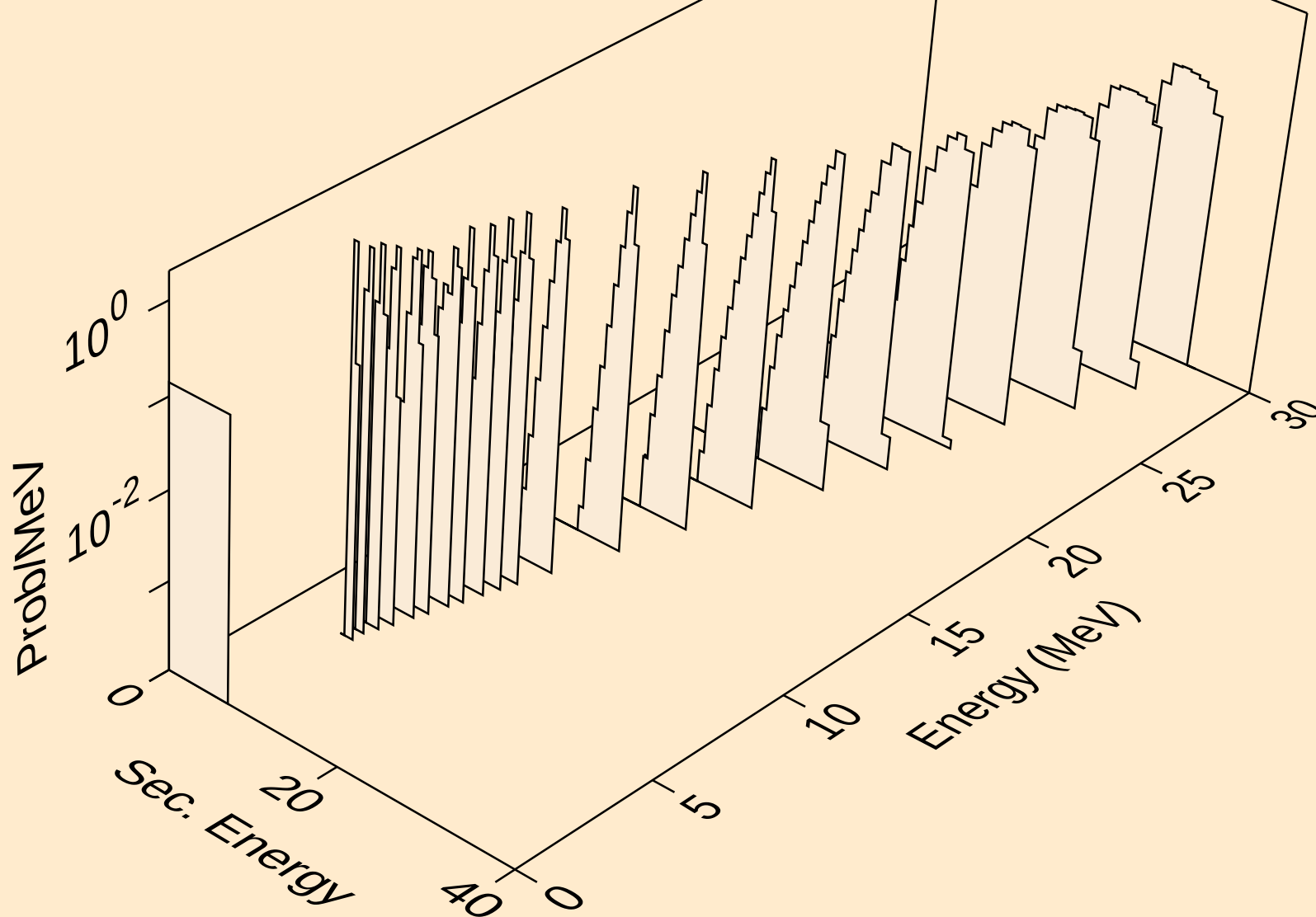
PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,he3)



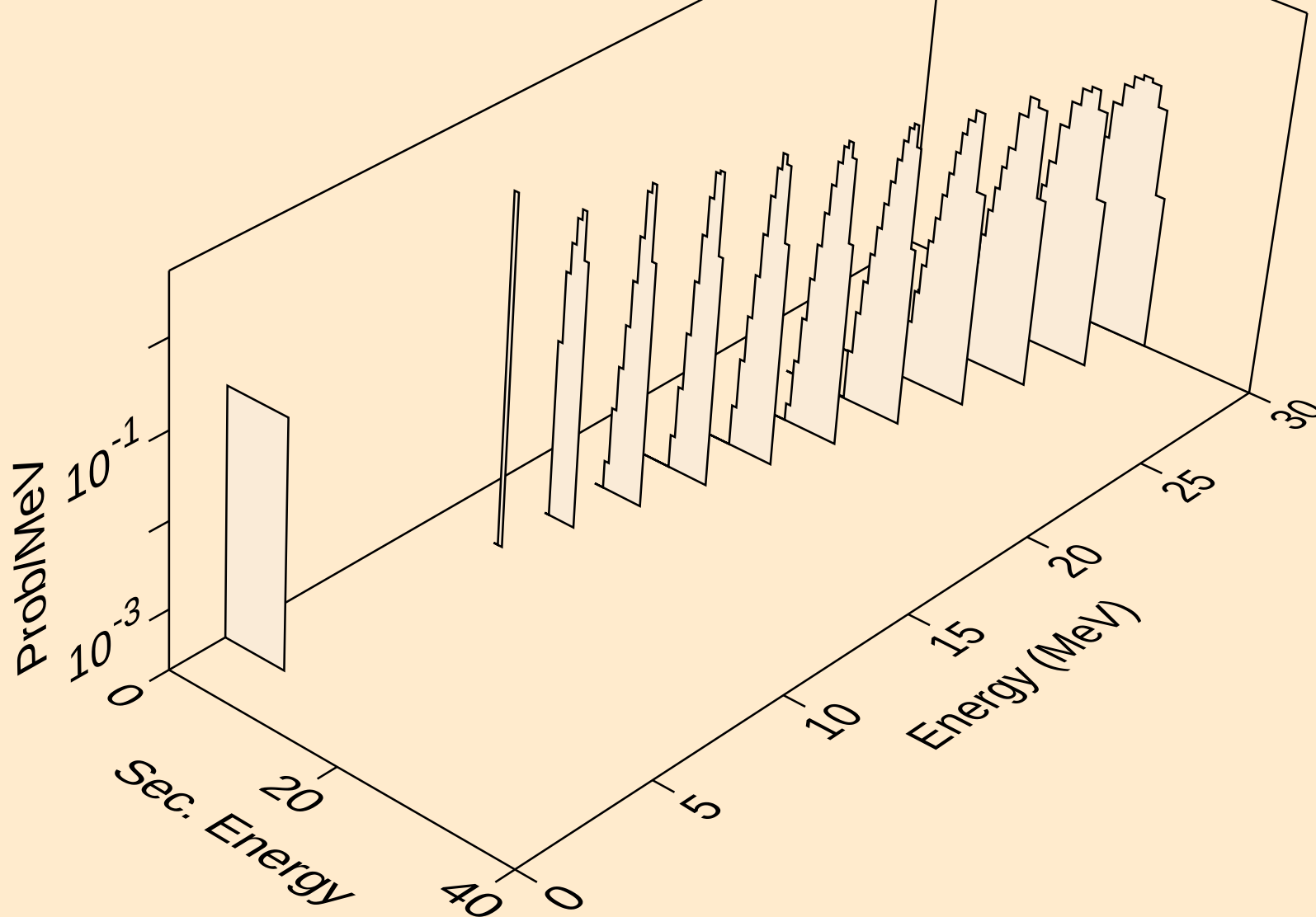
PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,x)



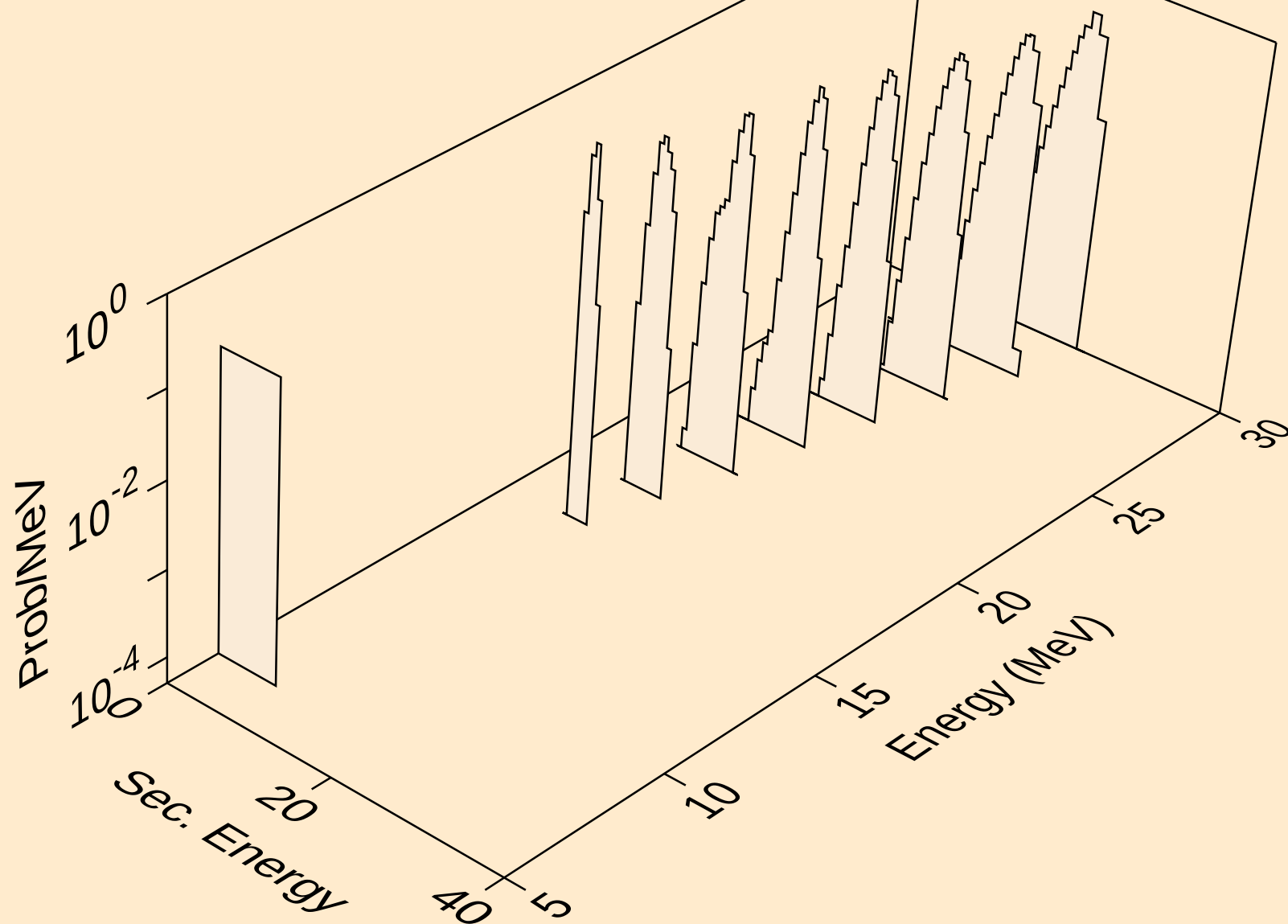
PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)a



PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2n)a



PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,3n)a



PA239 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,a)

