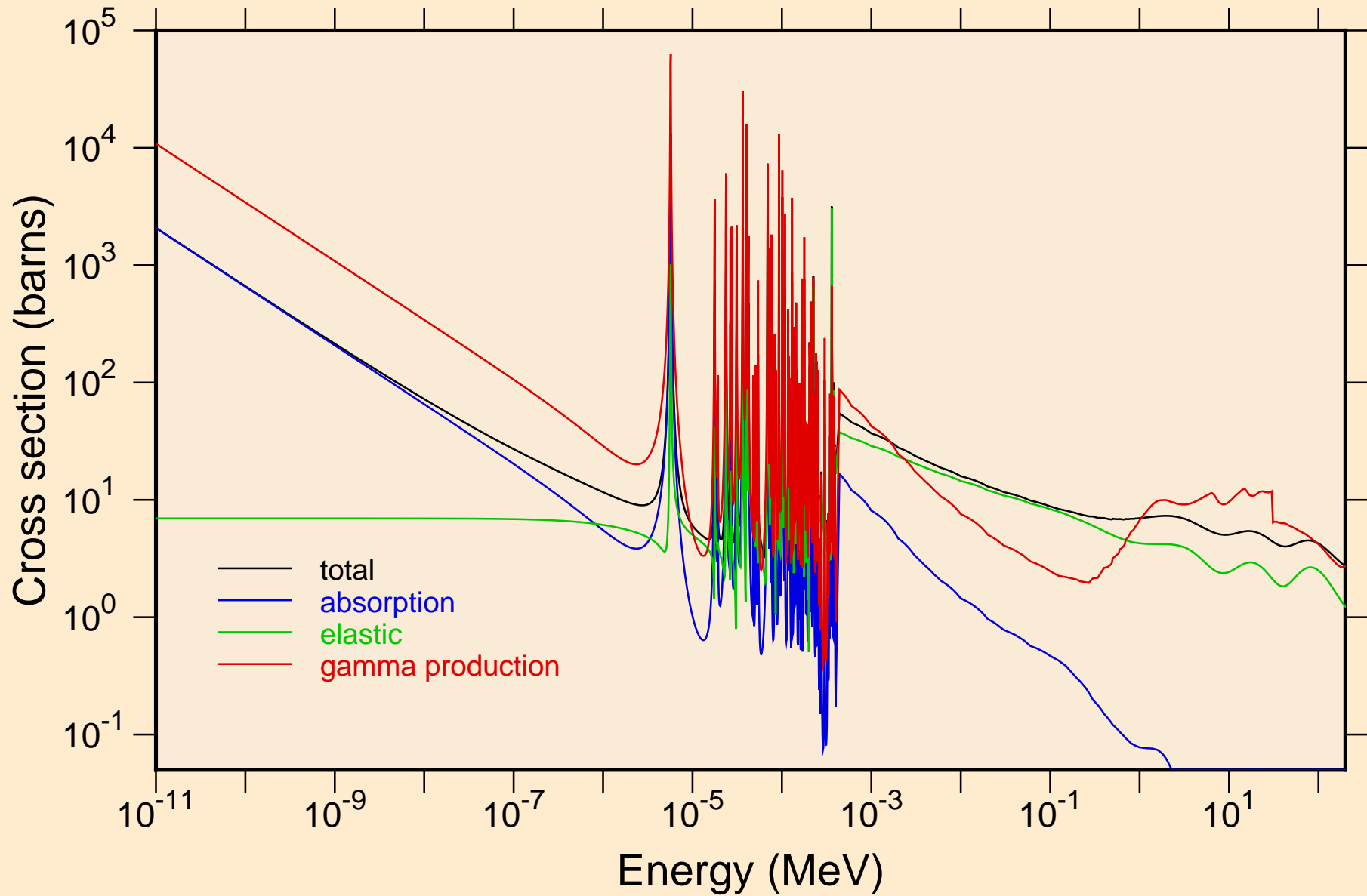
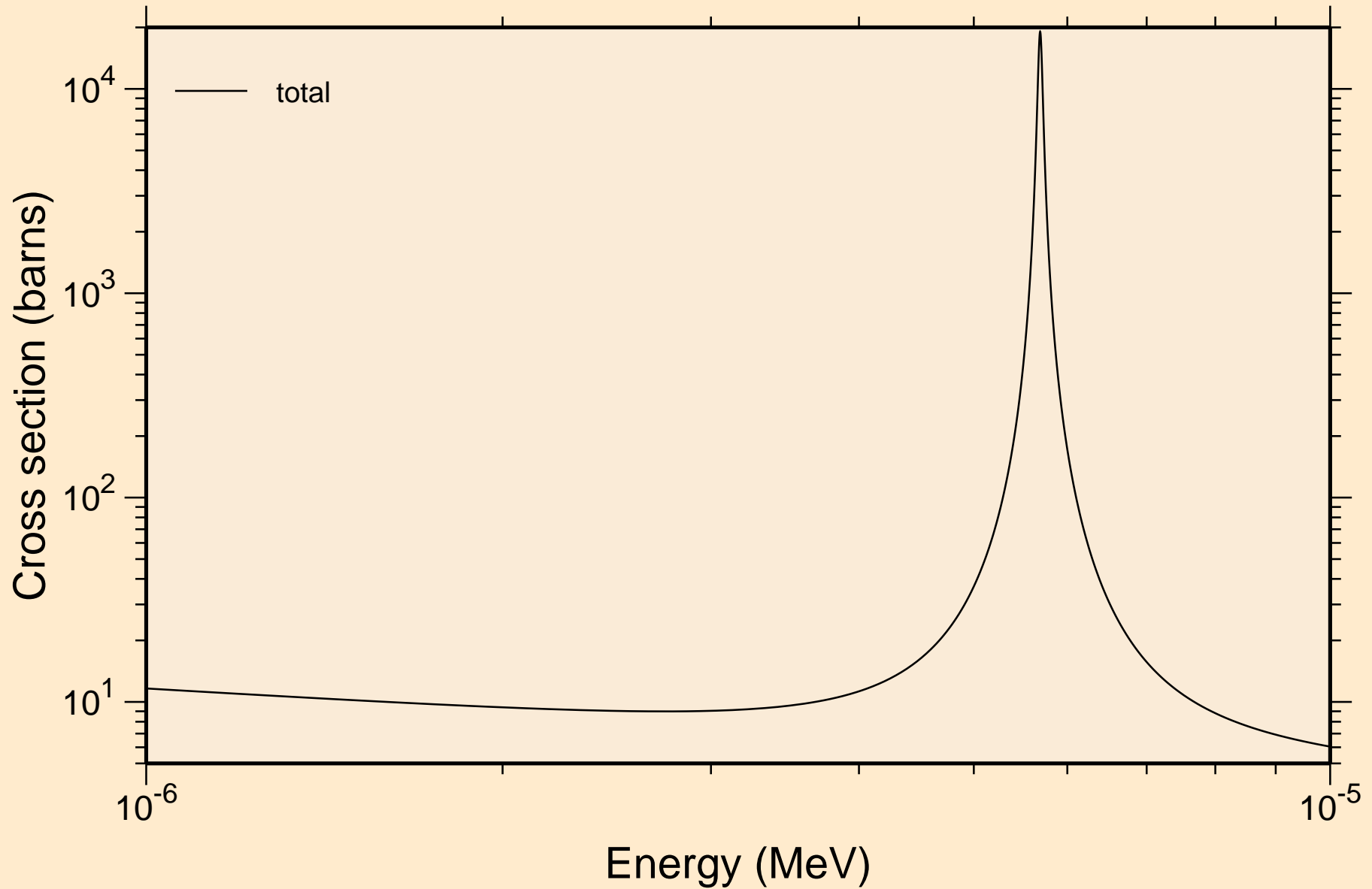


# HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

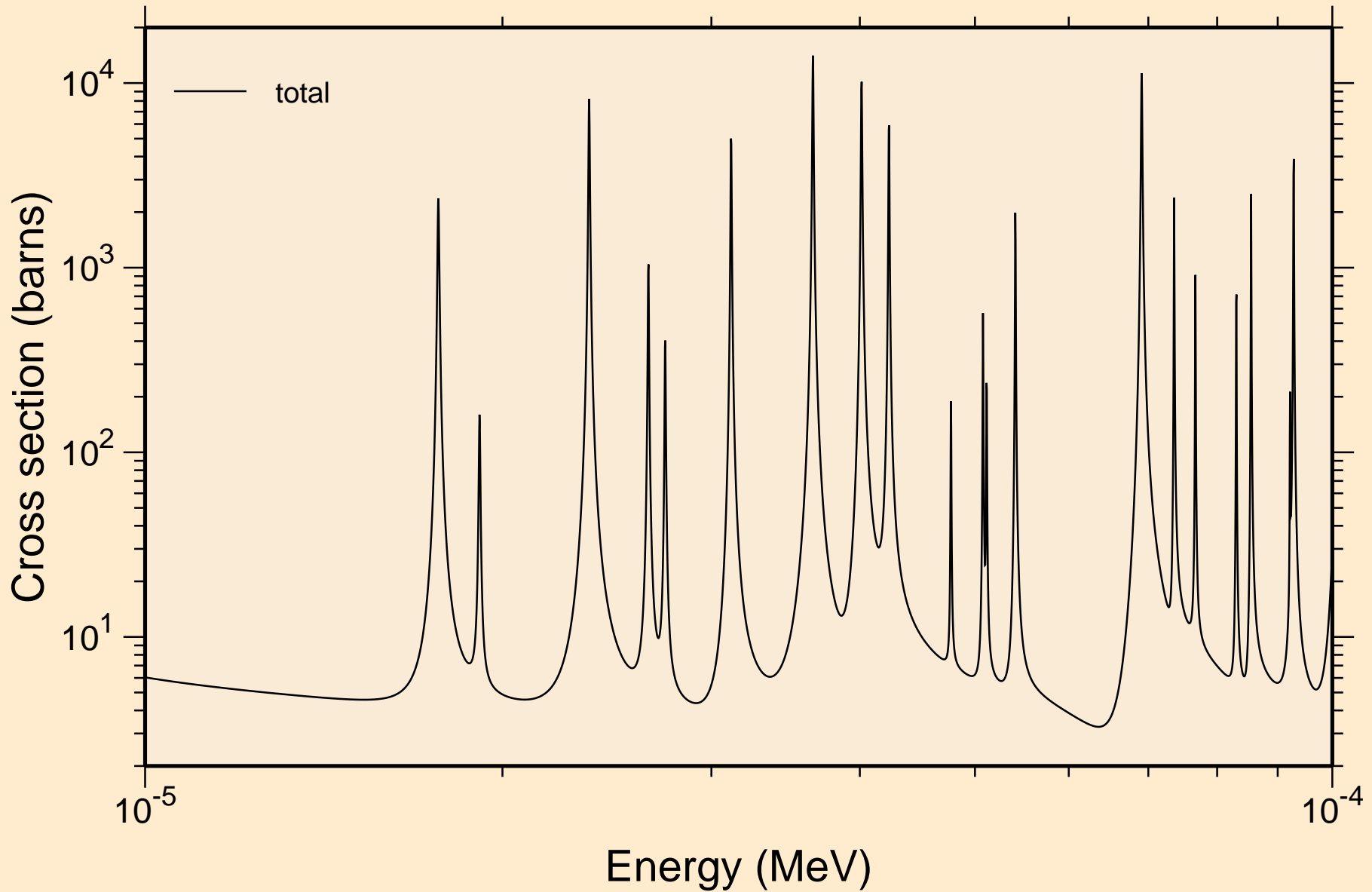
## Principal cross sections



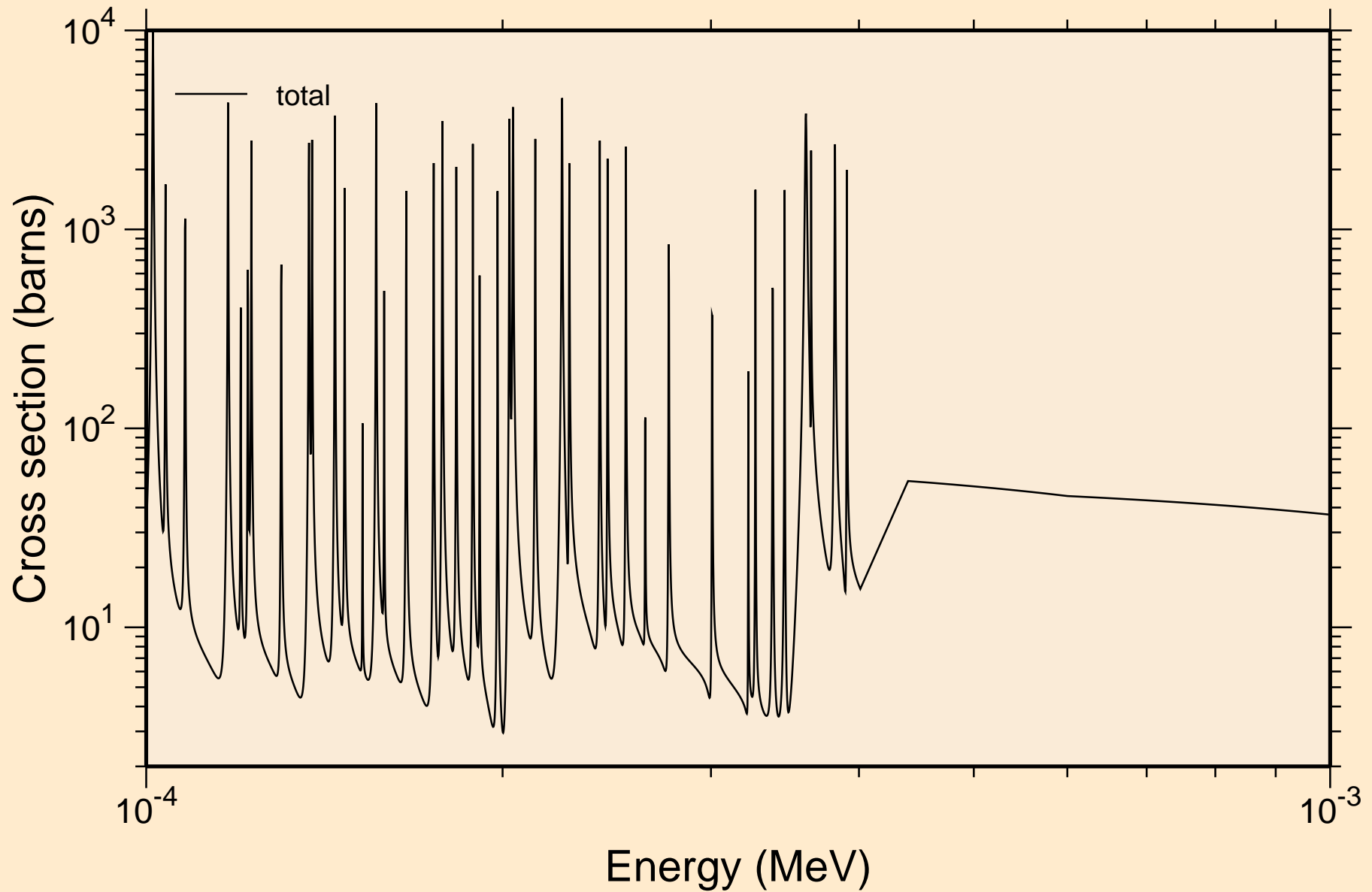
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



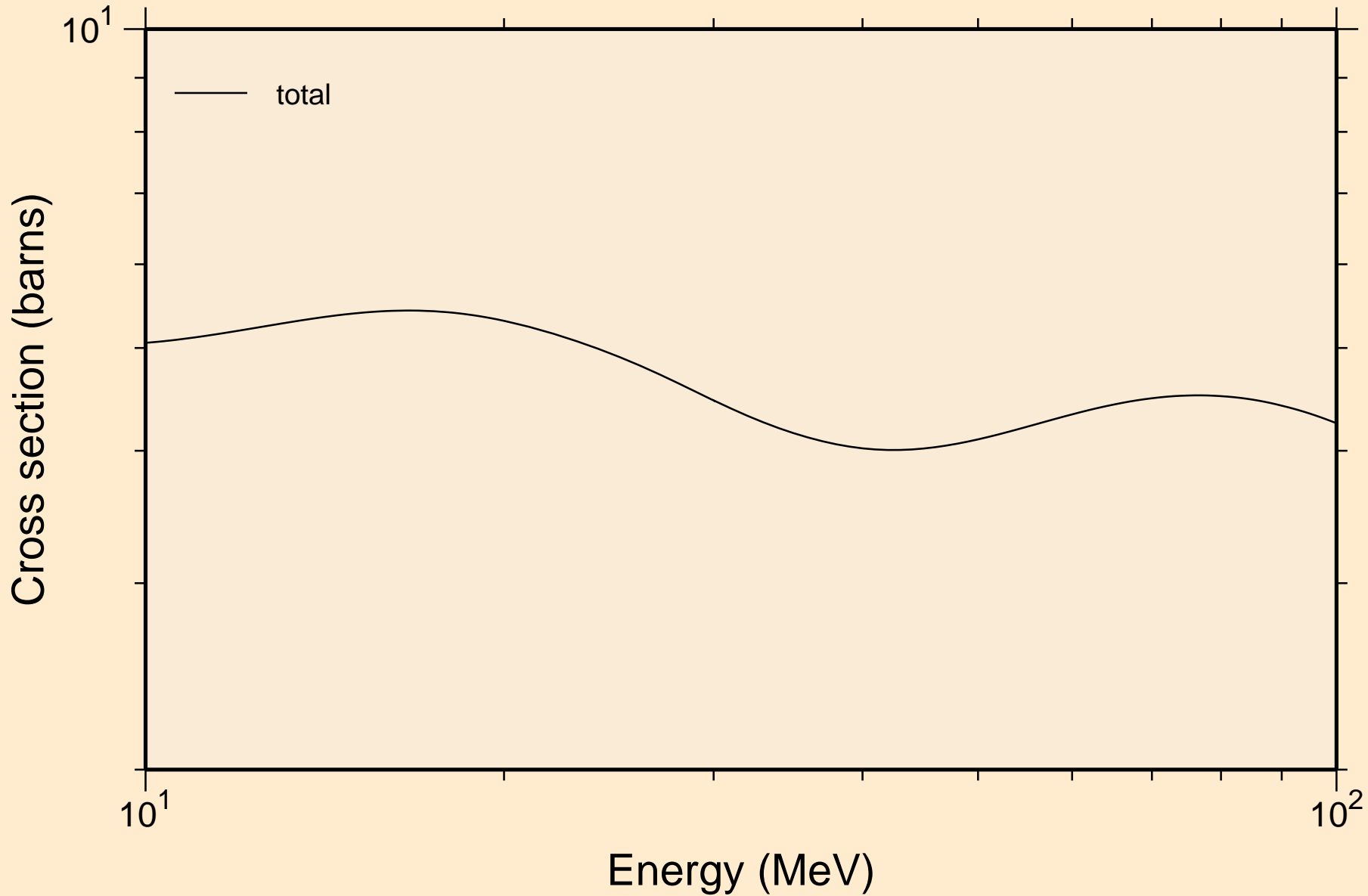
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



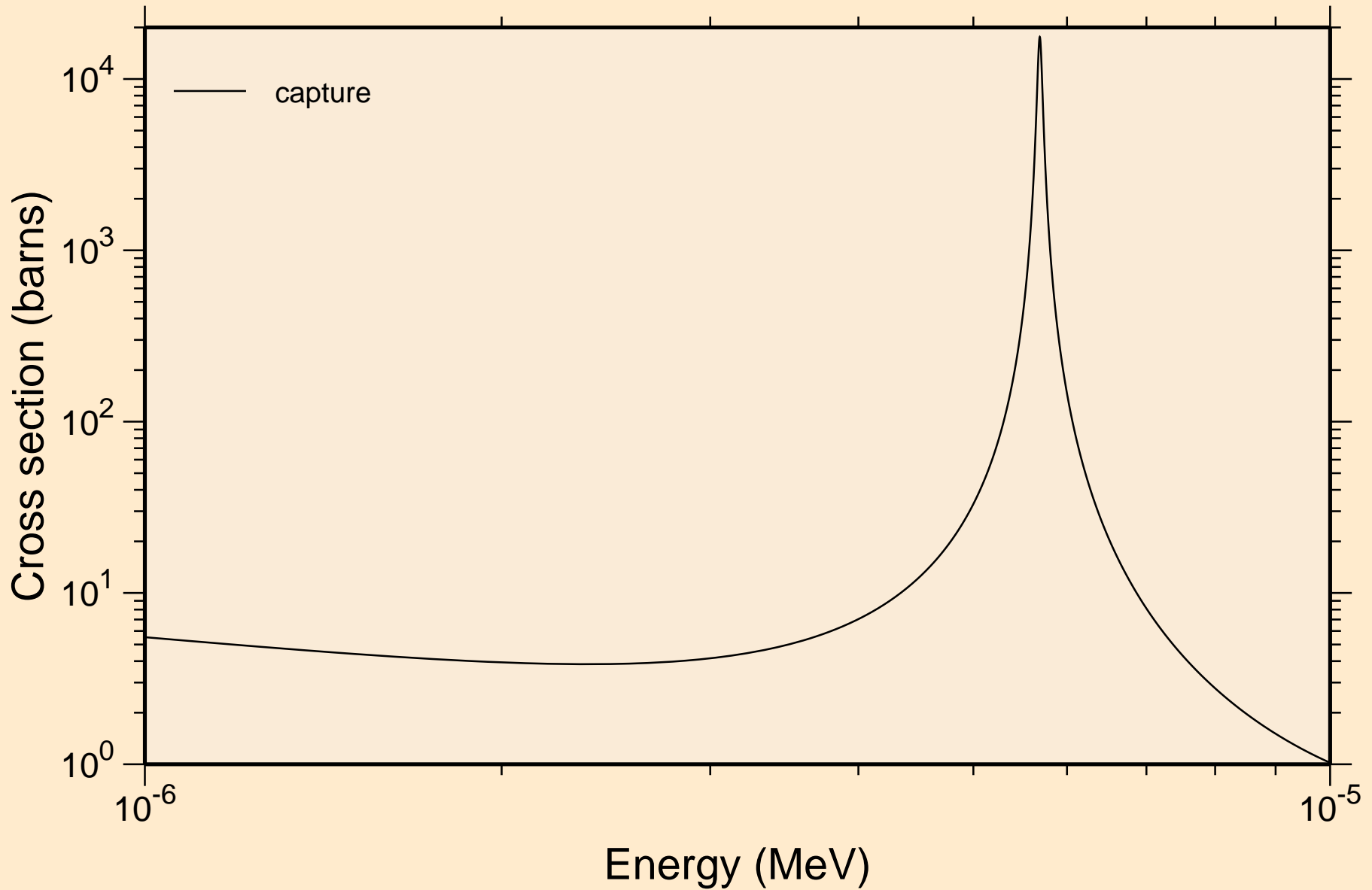
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



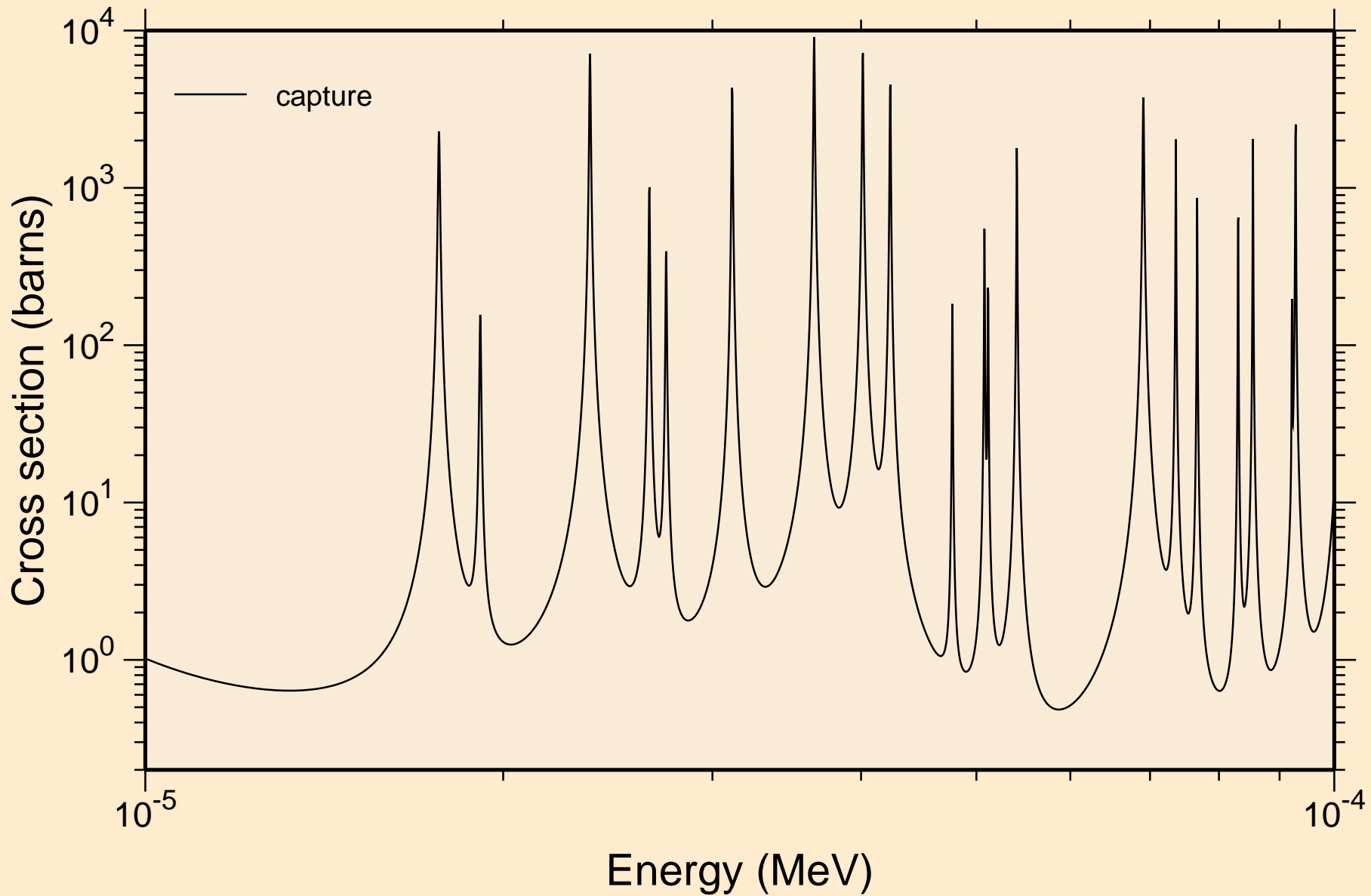
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



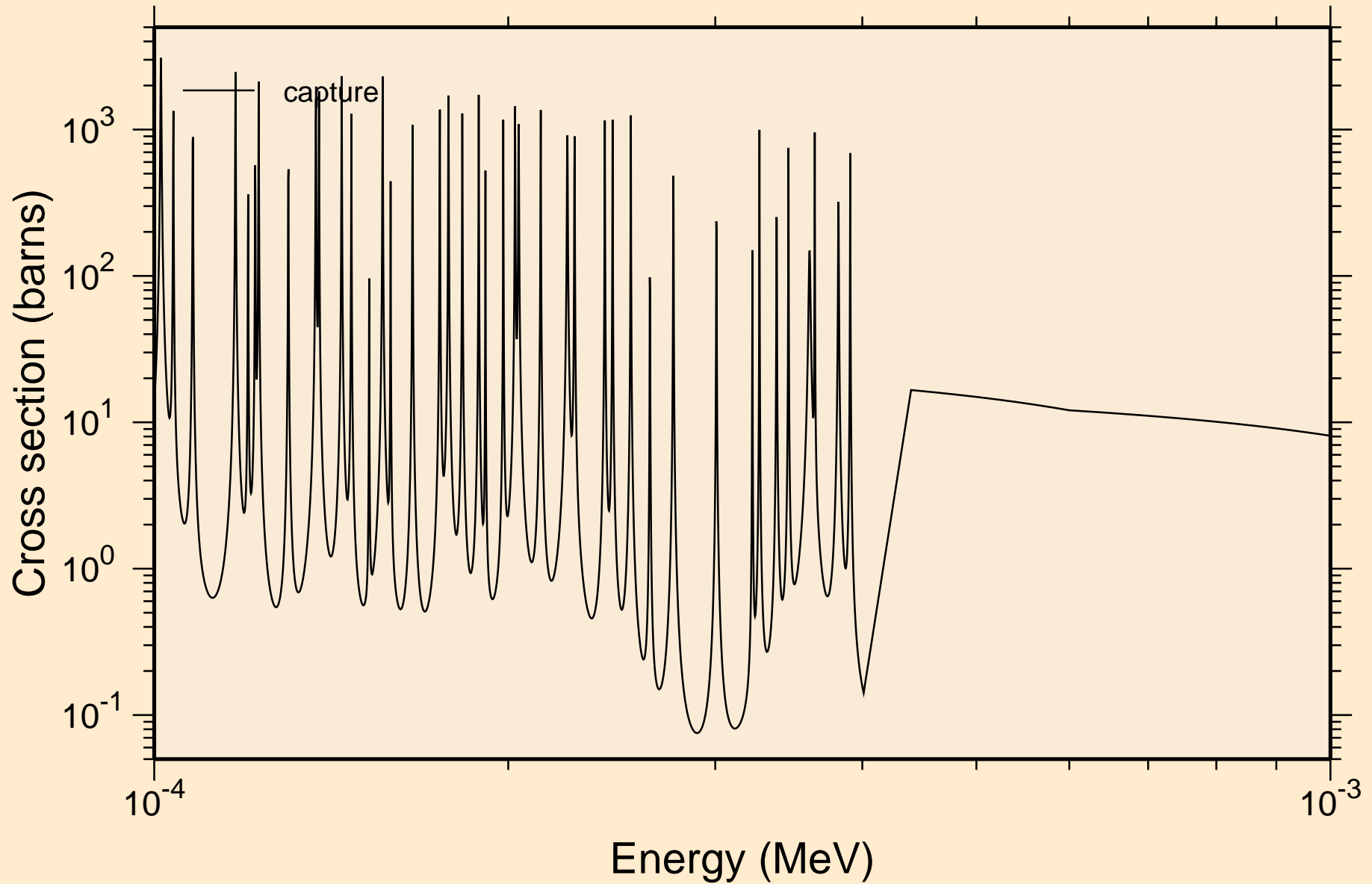
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections

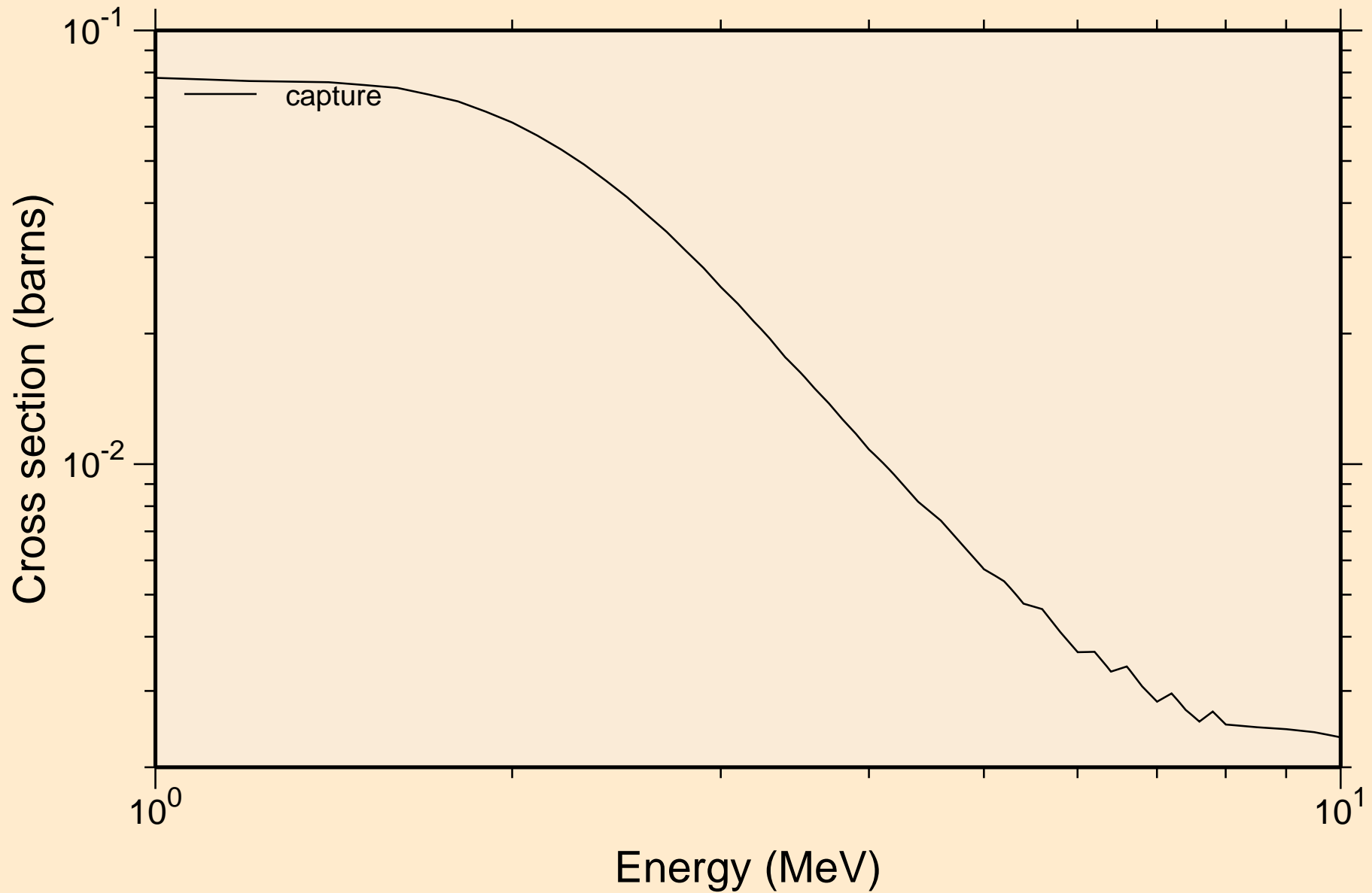


HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections

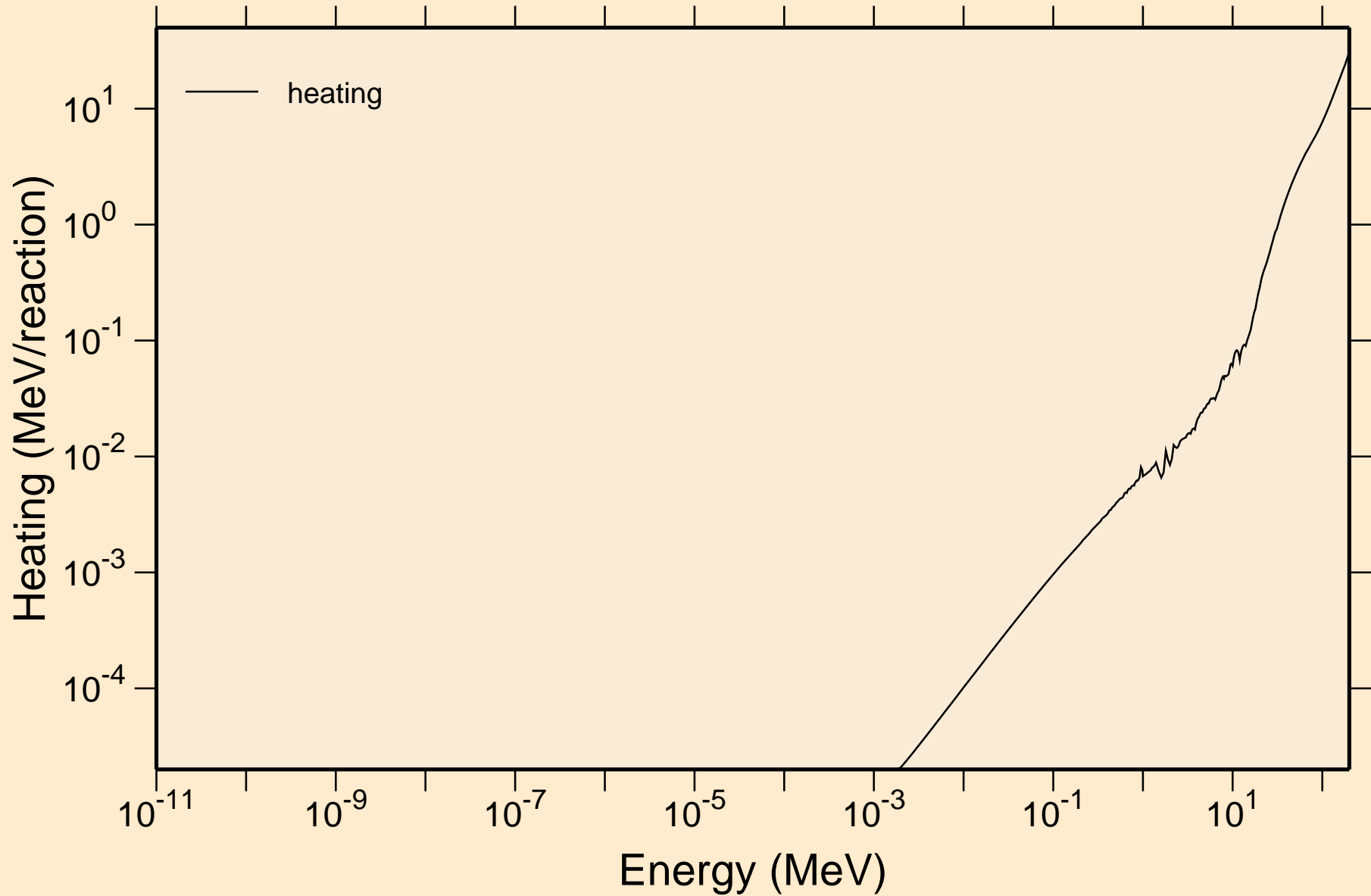




HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections

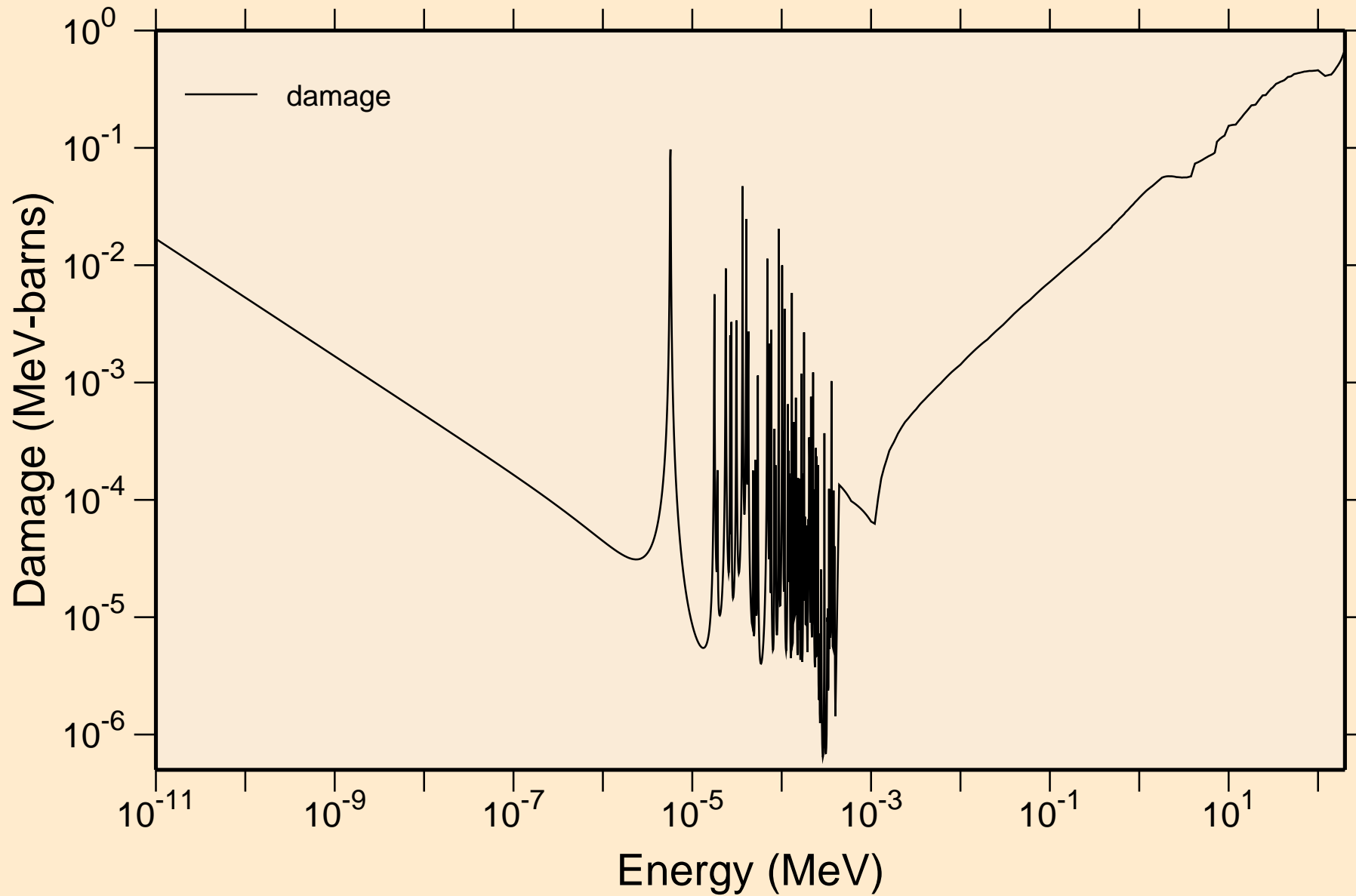


HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Heating



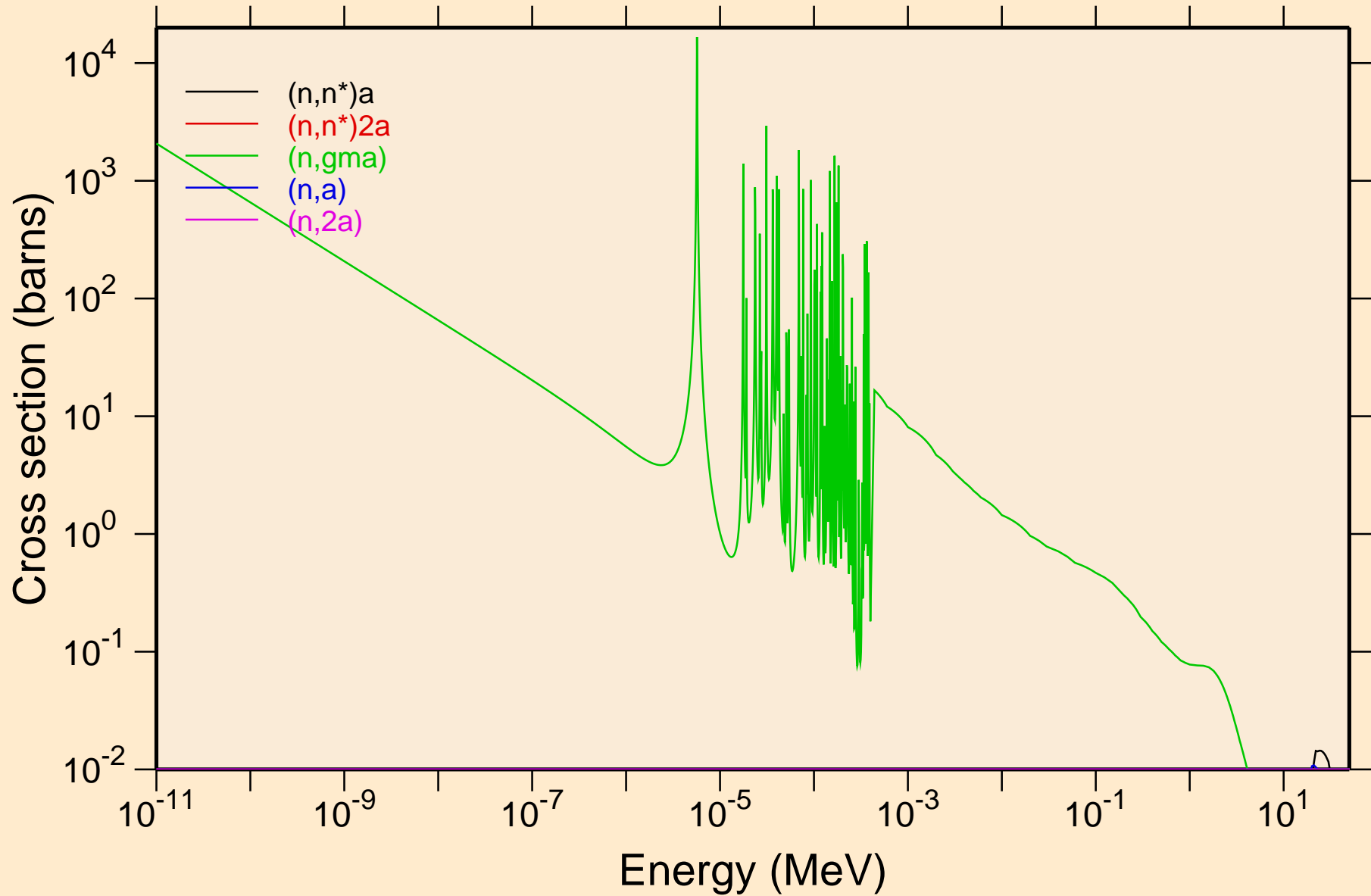
# HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Damage



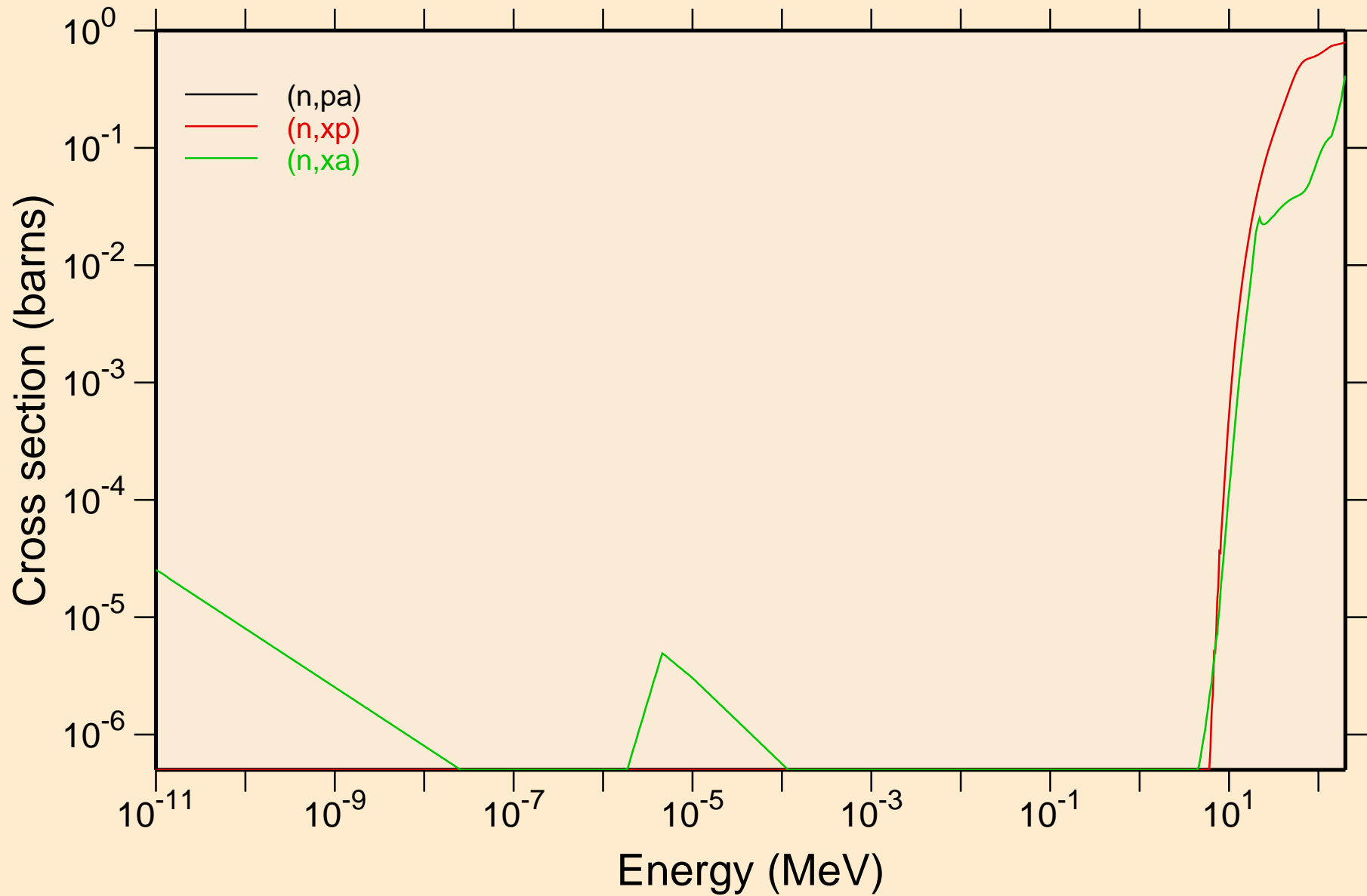
# HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Non-threshold reactions



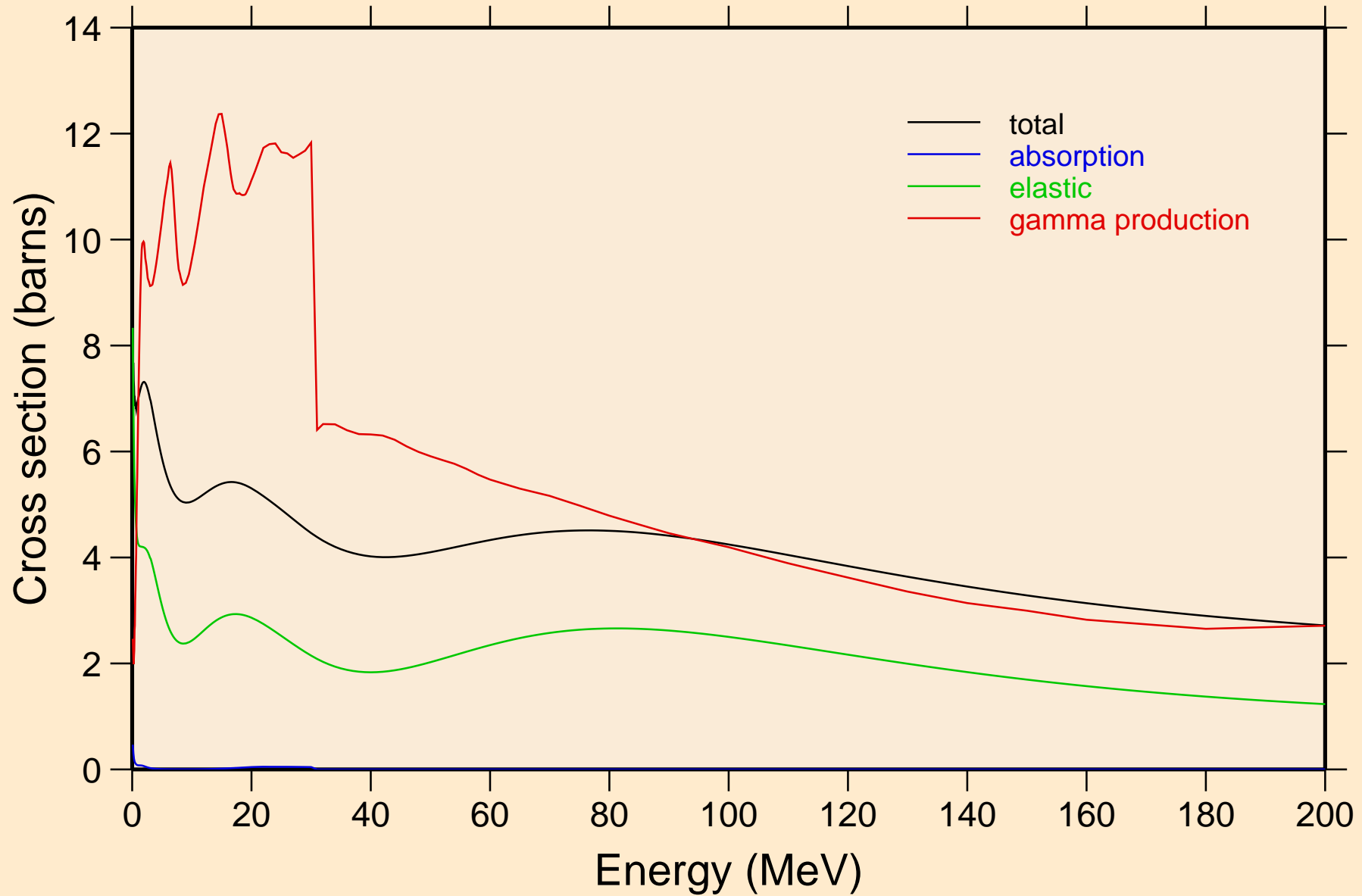
# HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Non-threshold reactions



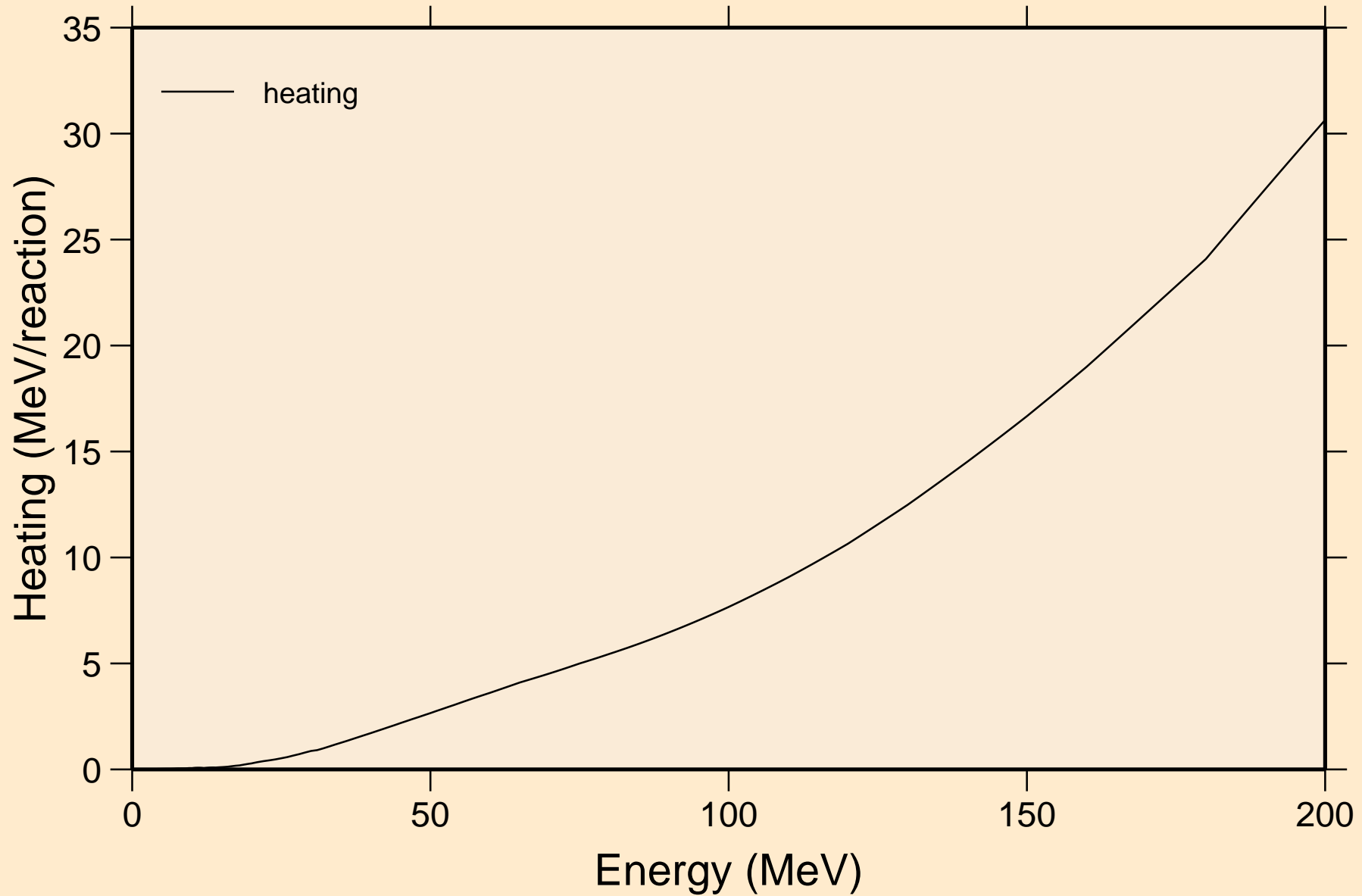
# HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections



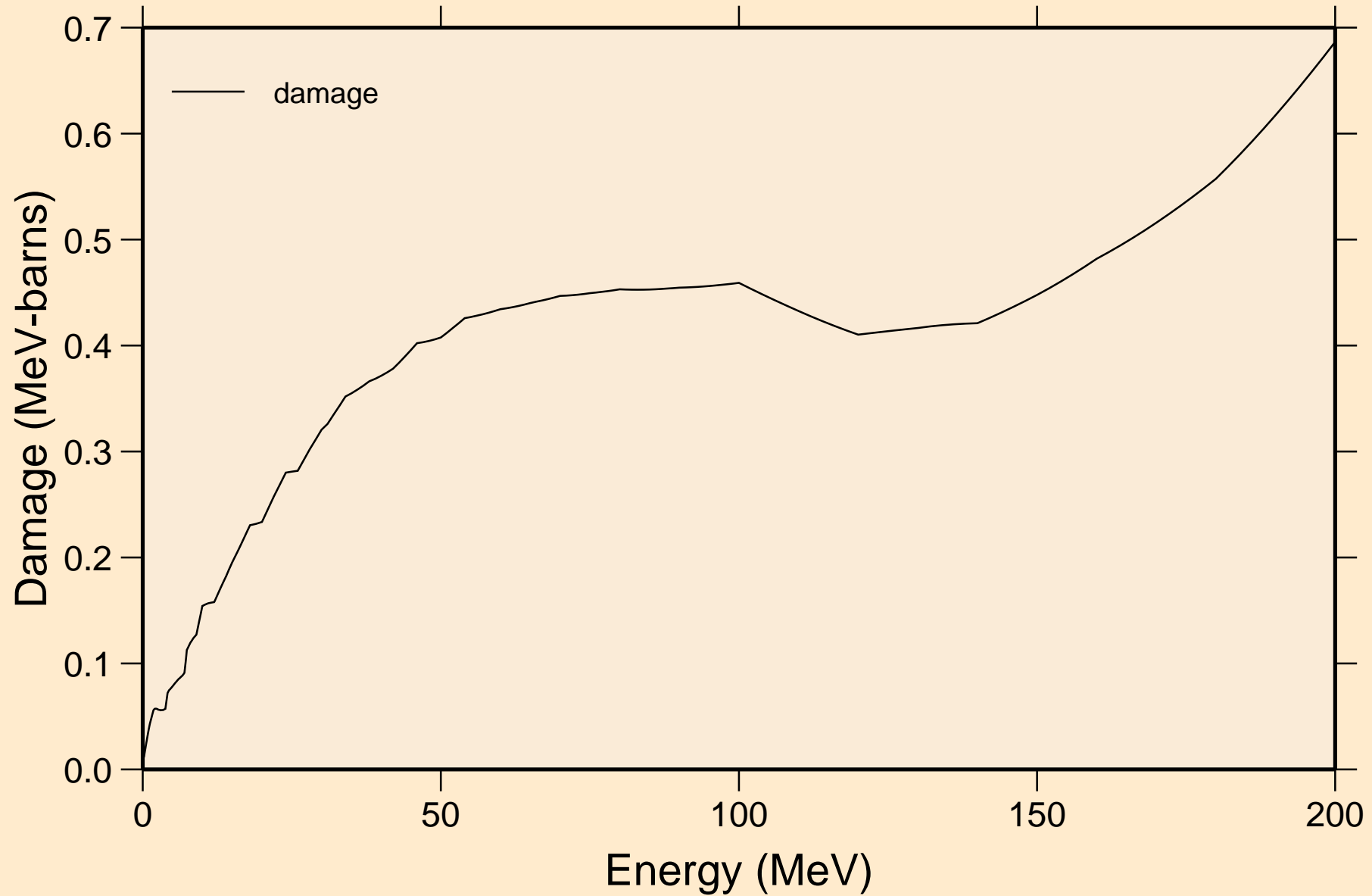
# HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Heating



# HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

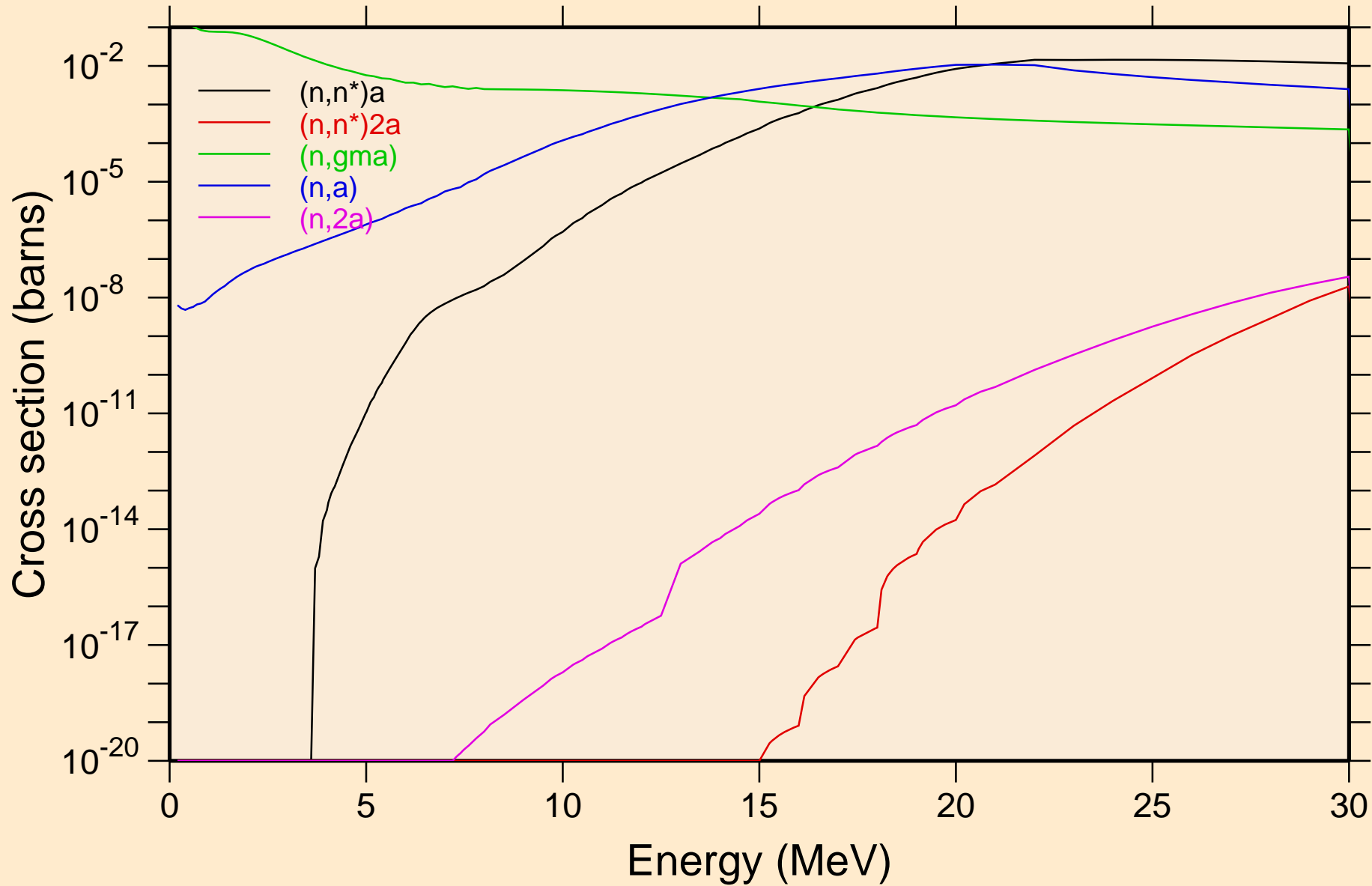
## Damage





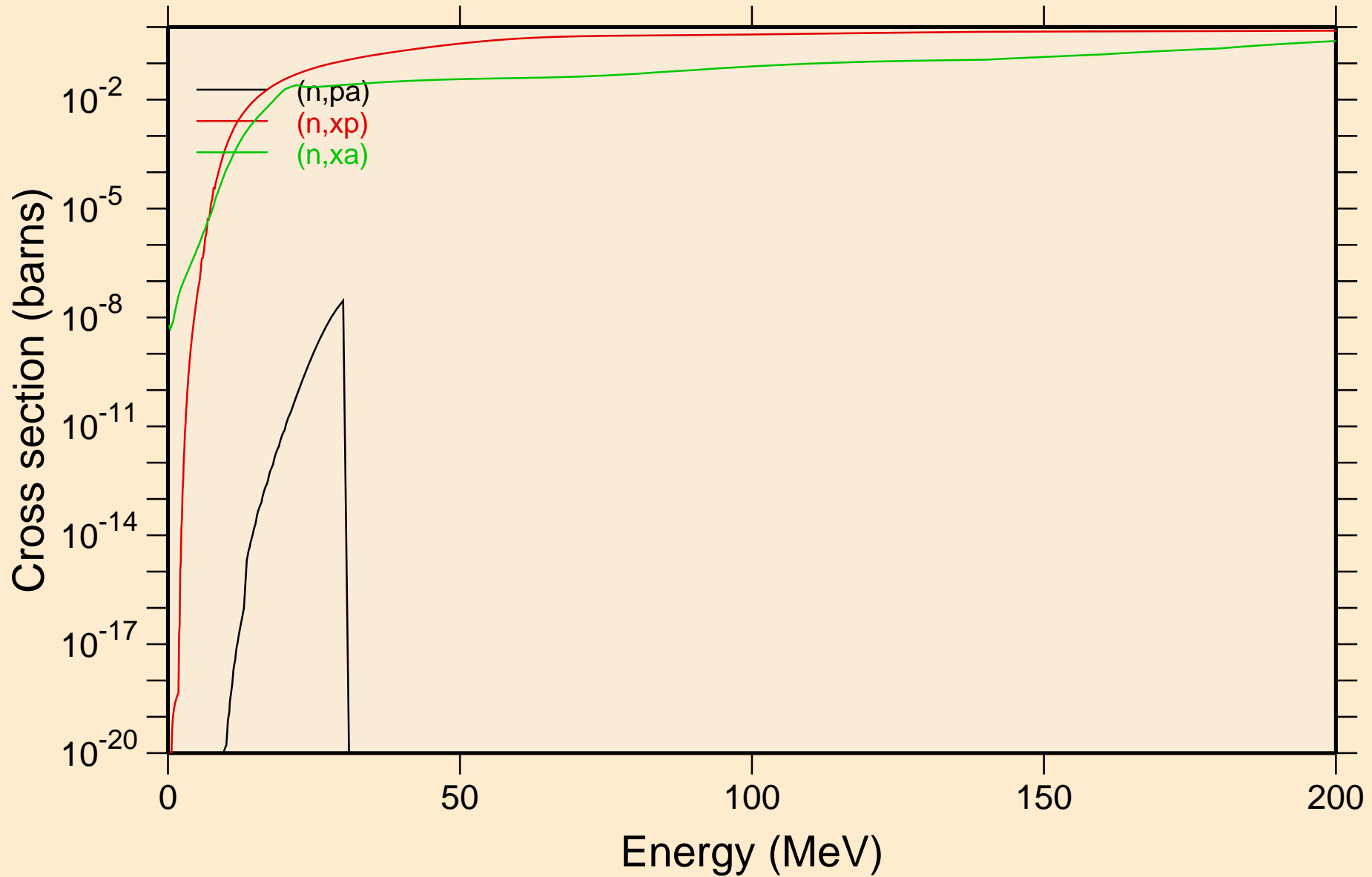
# HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Non-threshold reactions



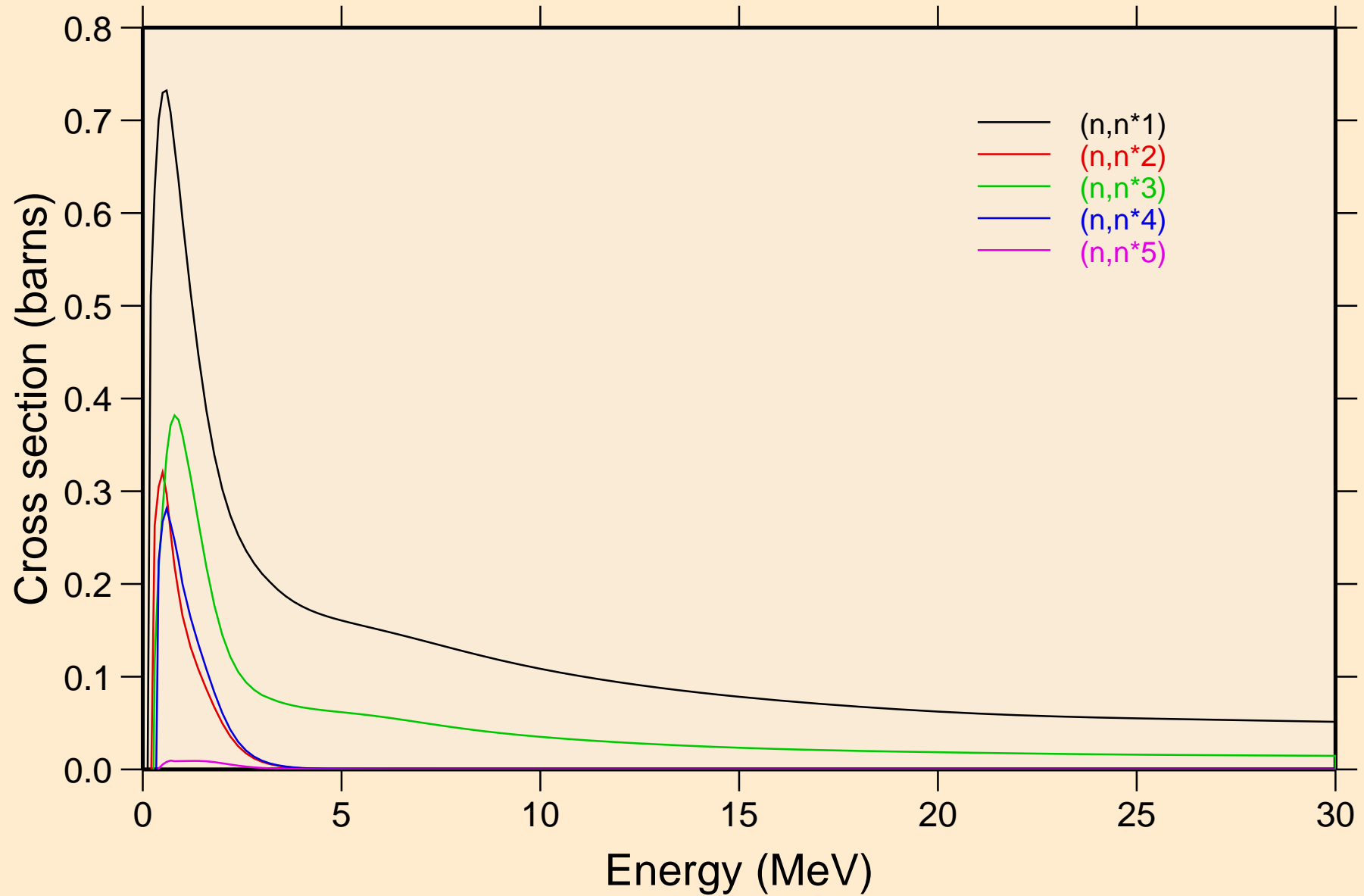
# HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Non-threshold reactions



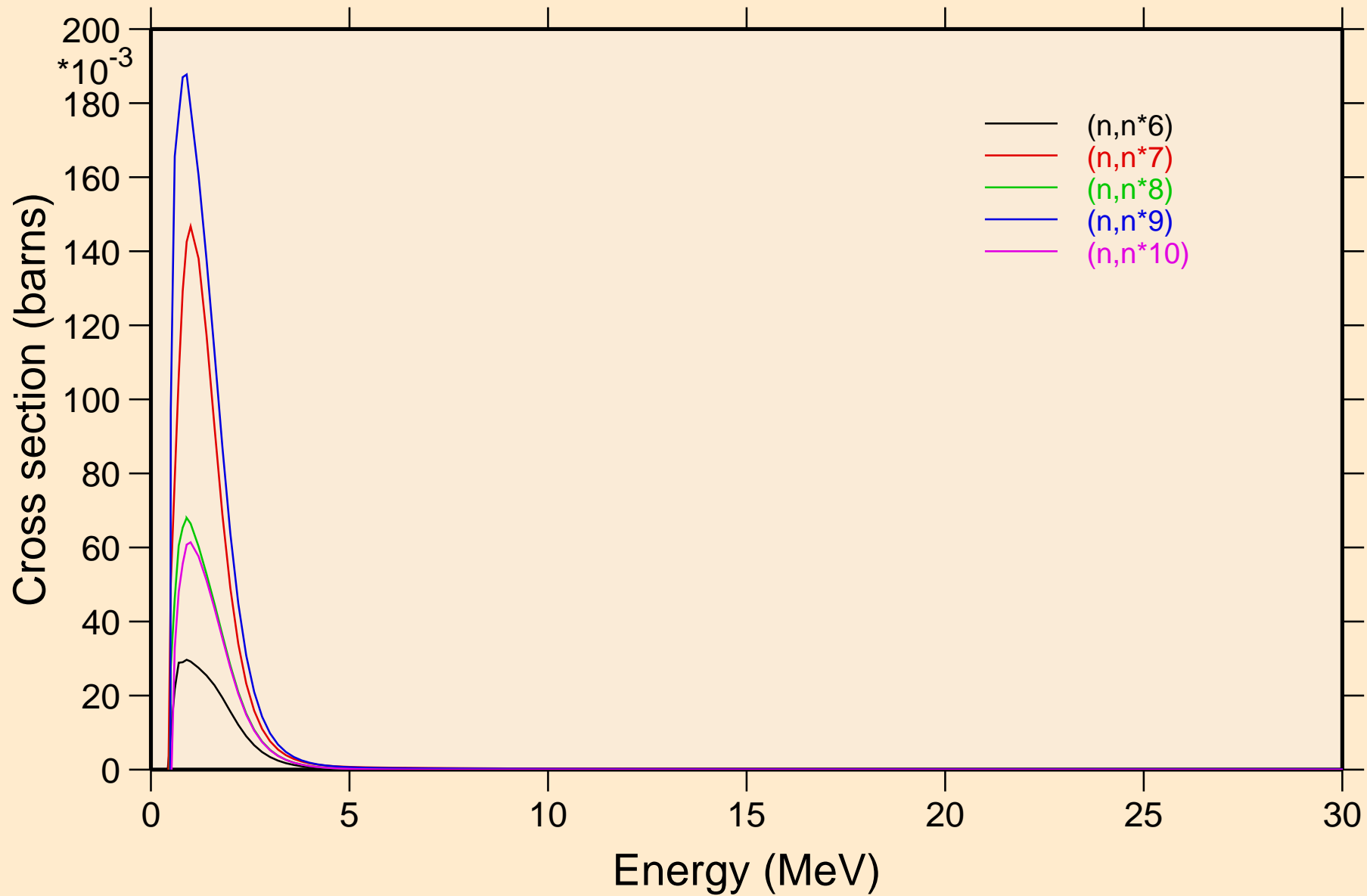
# HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Inelastic levels

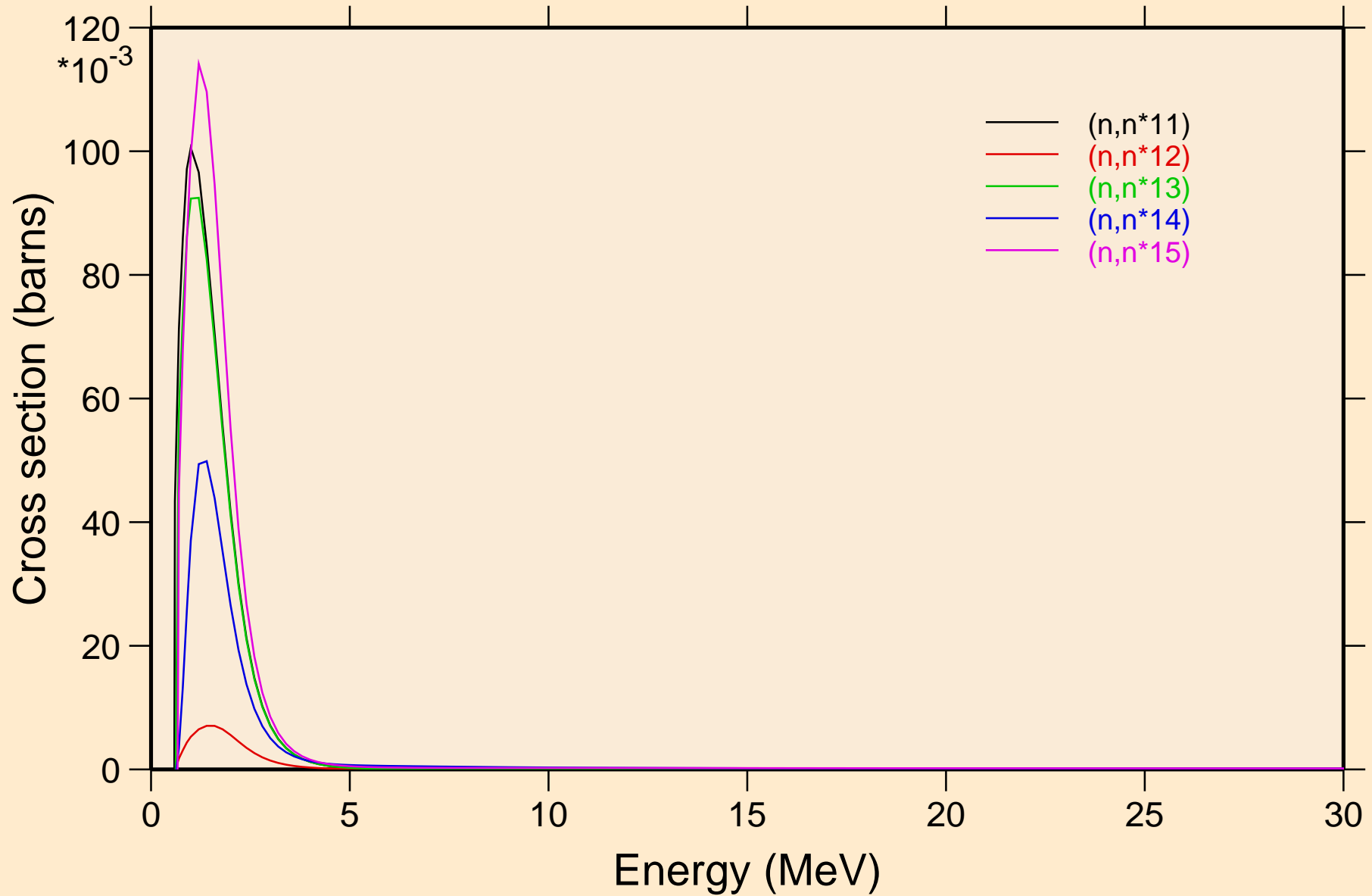


# HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

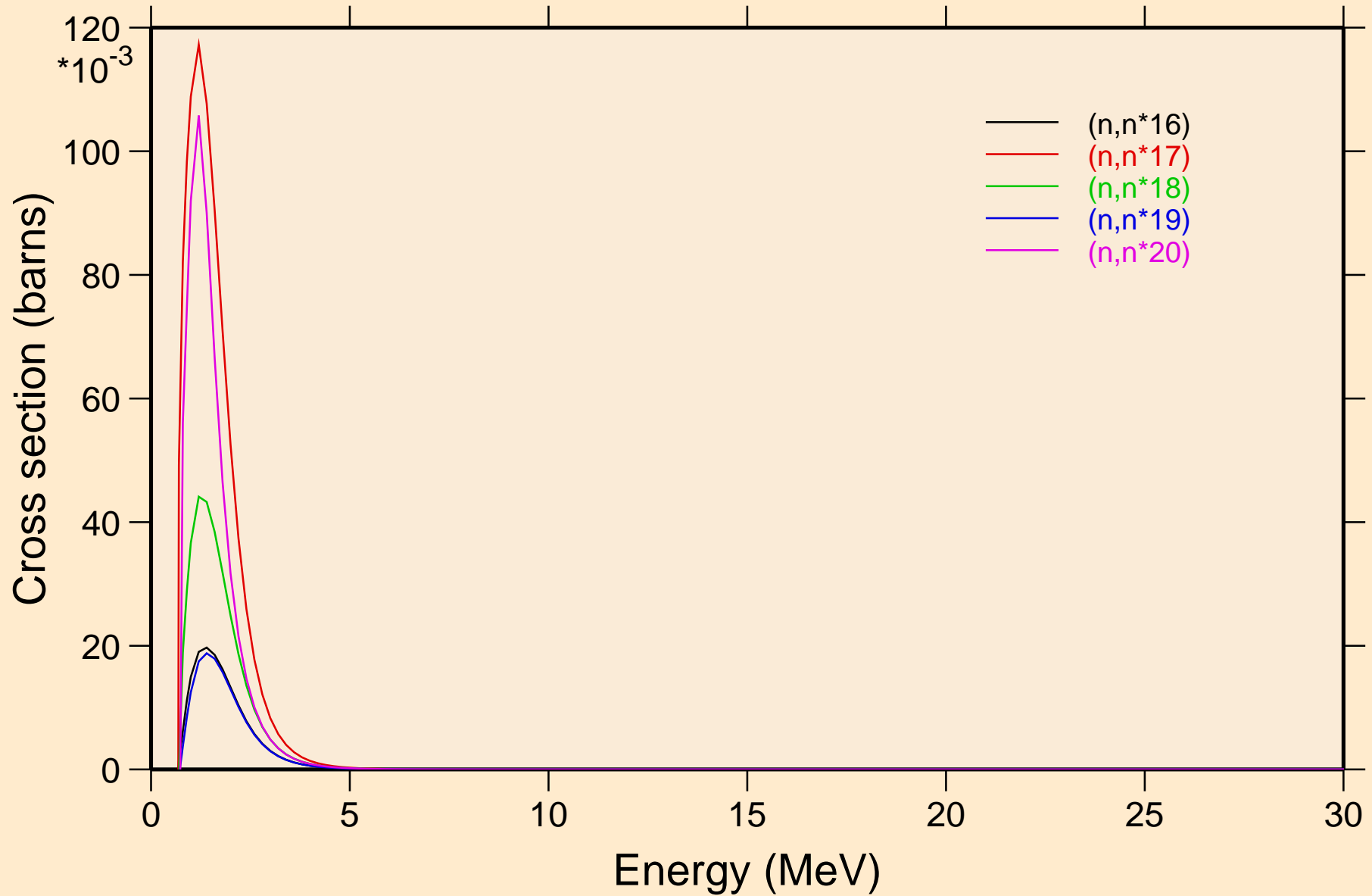
## Inelastic levels



HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels

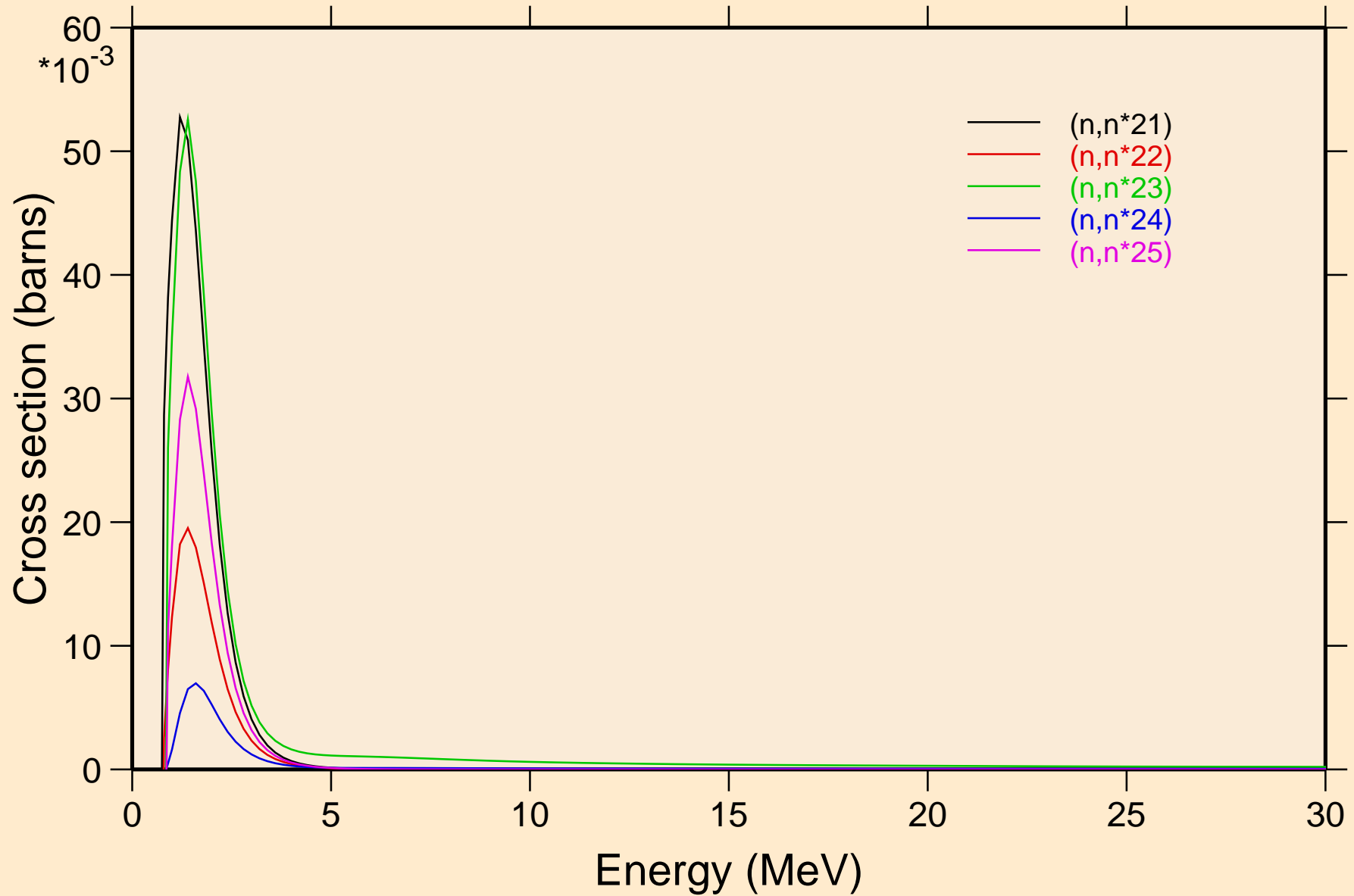


HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



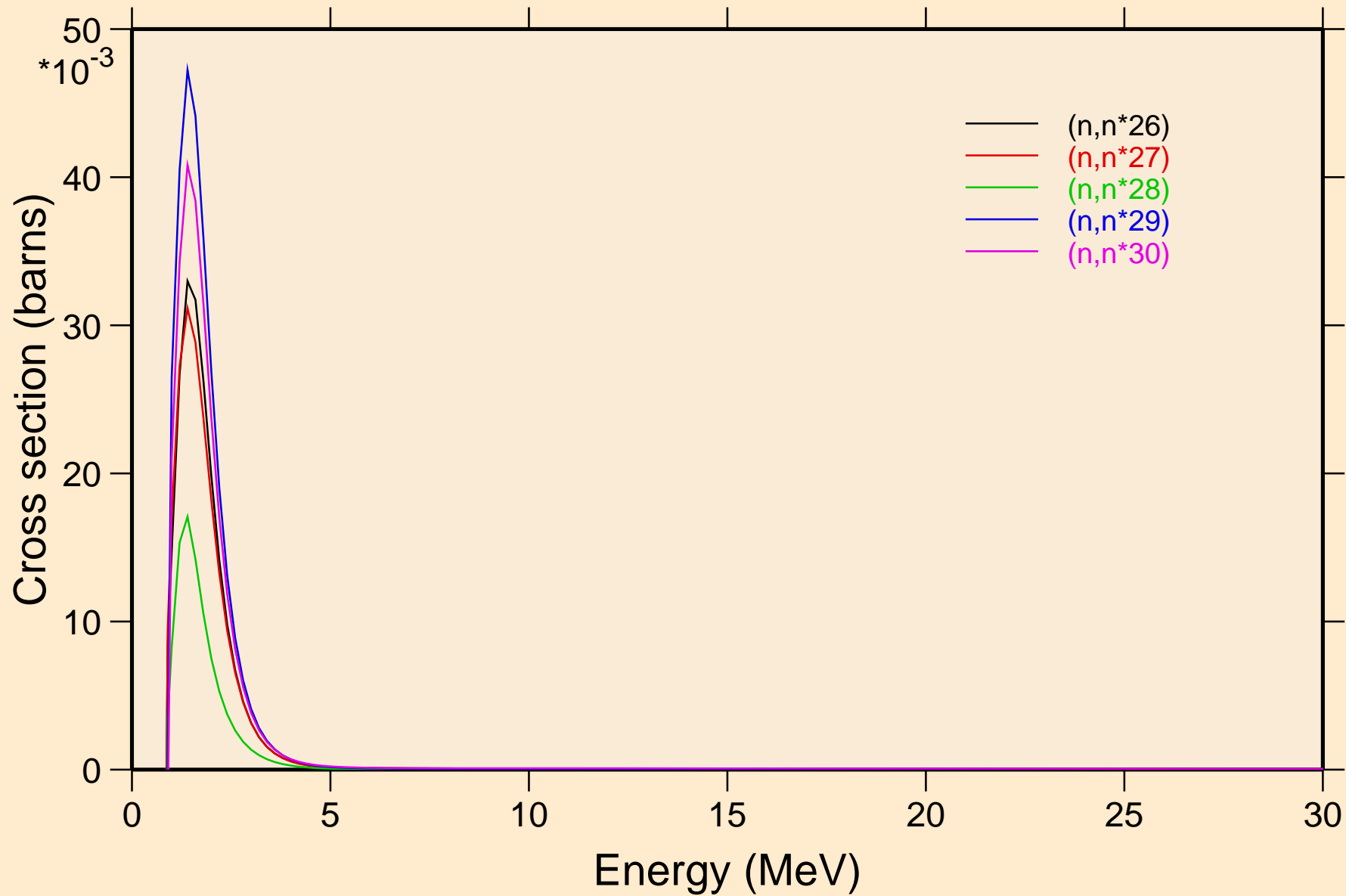
# HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Inelastic levels



# HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

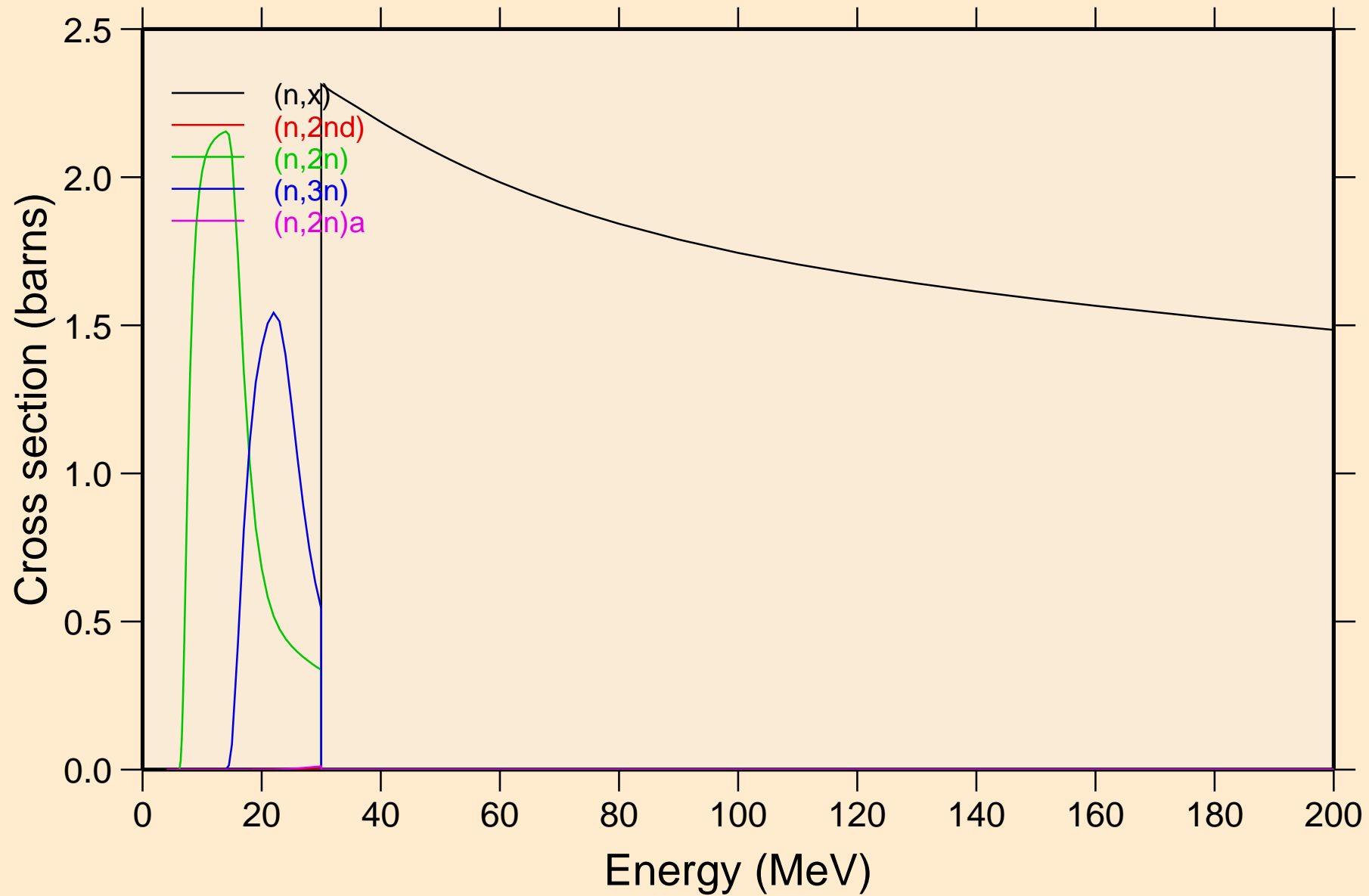
## Inelastic levels





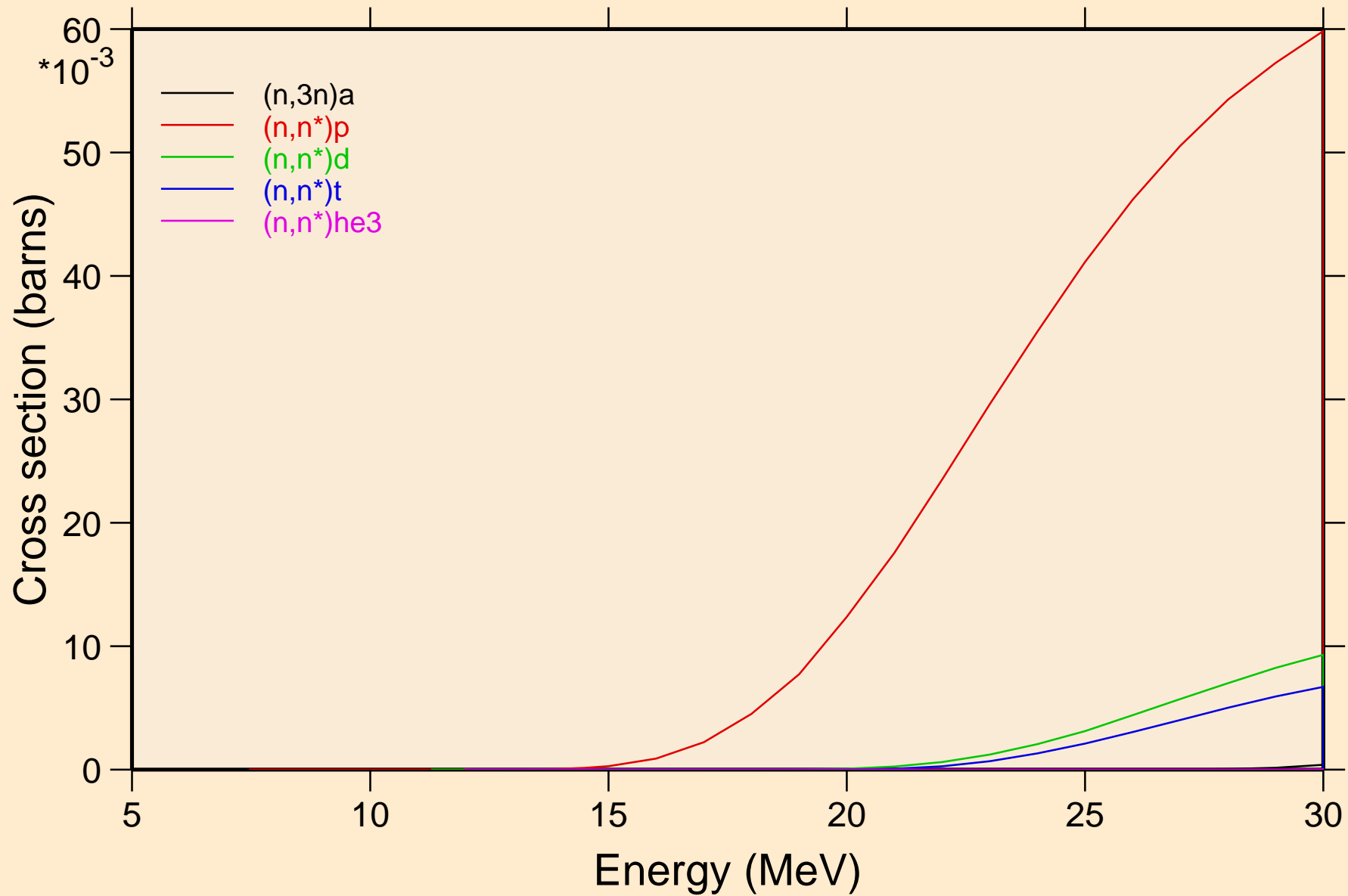
# HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions



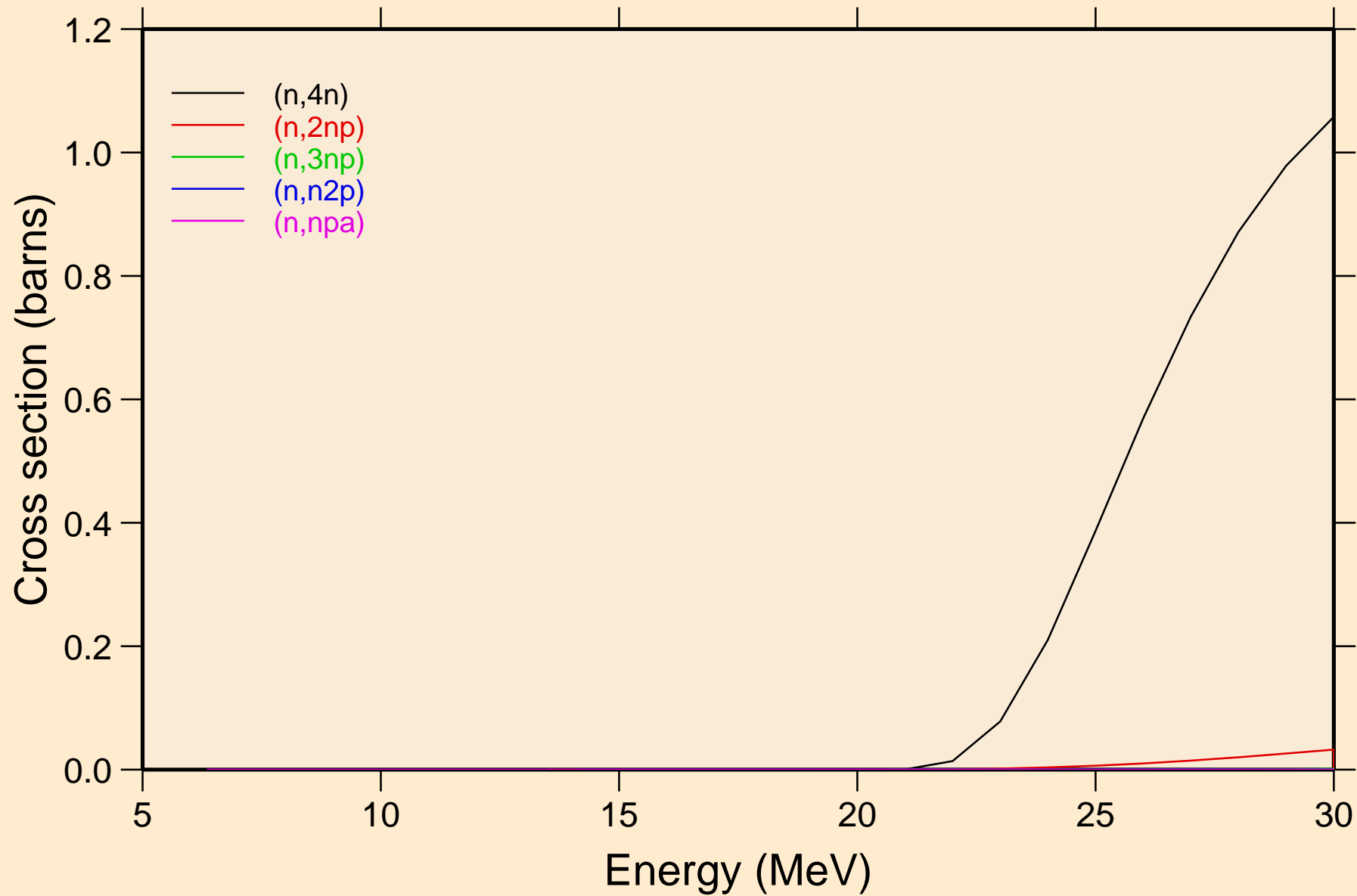
# HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions



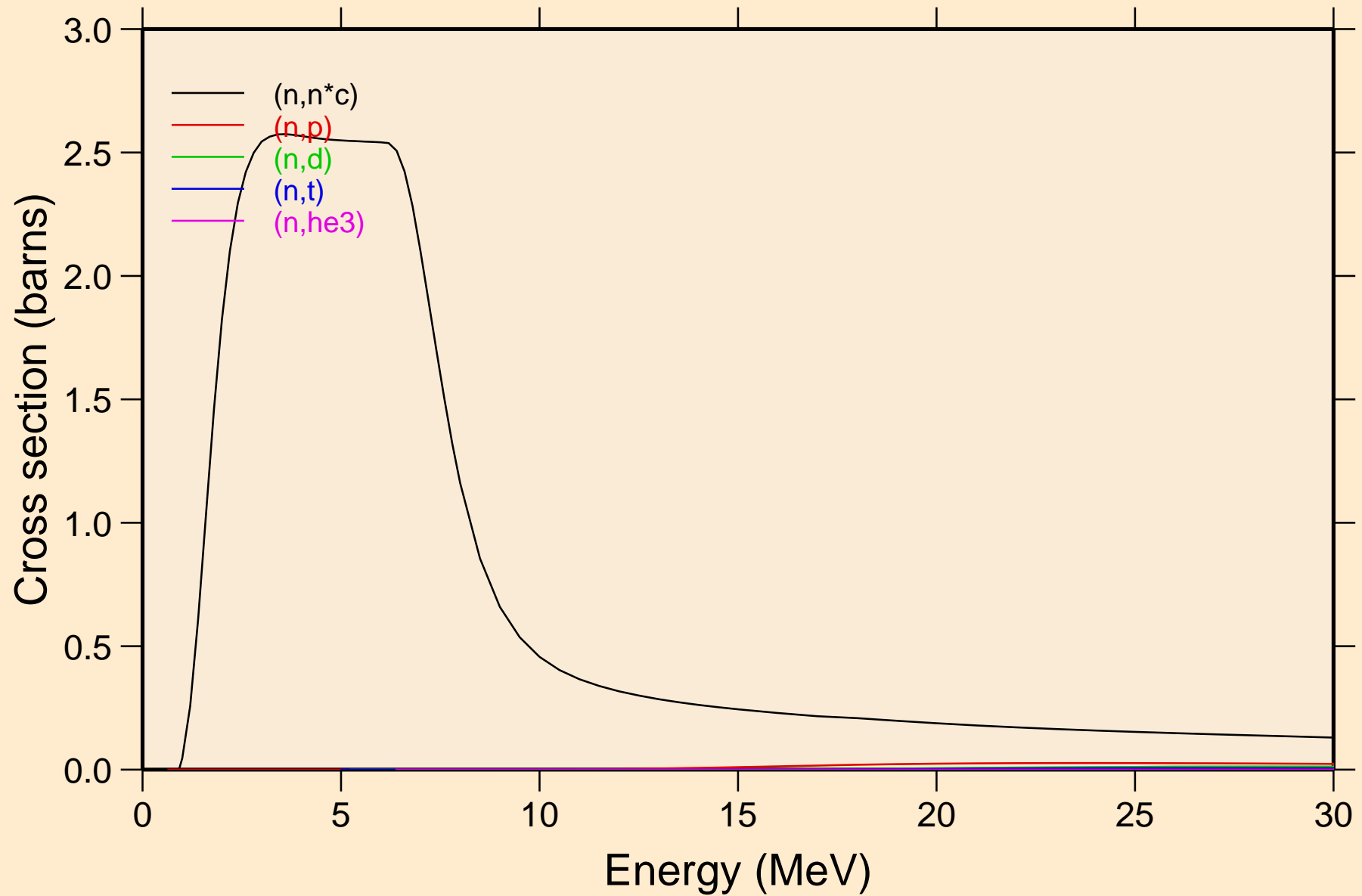
# HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions

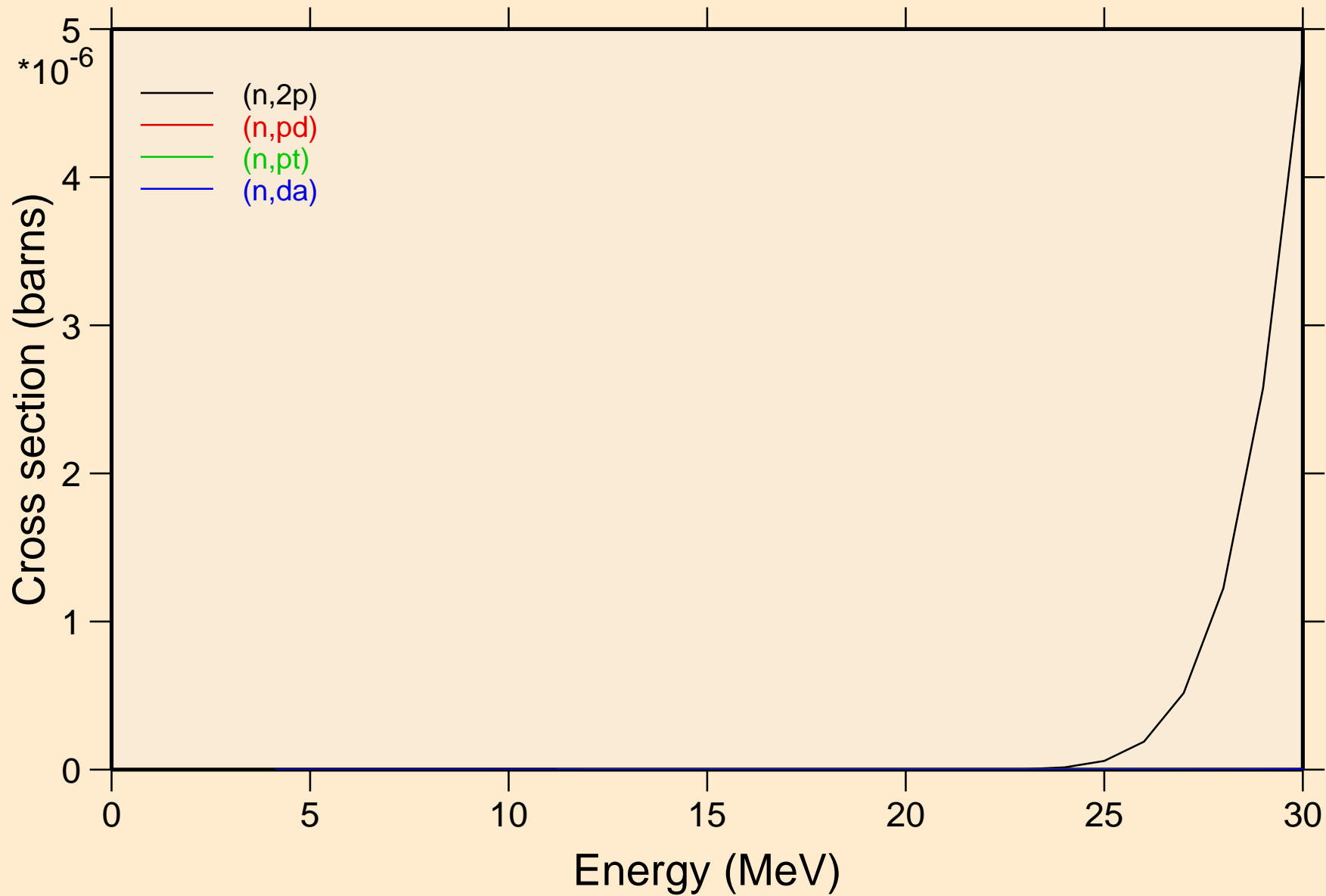


# HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions

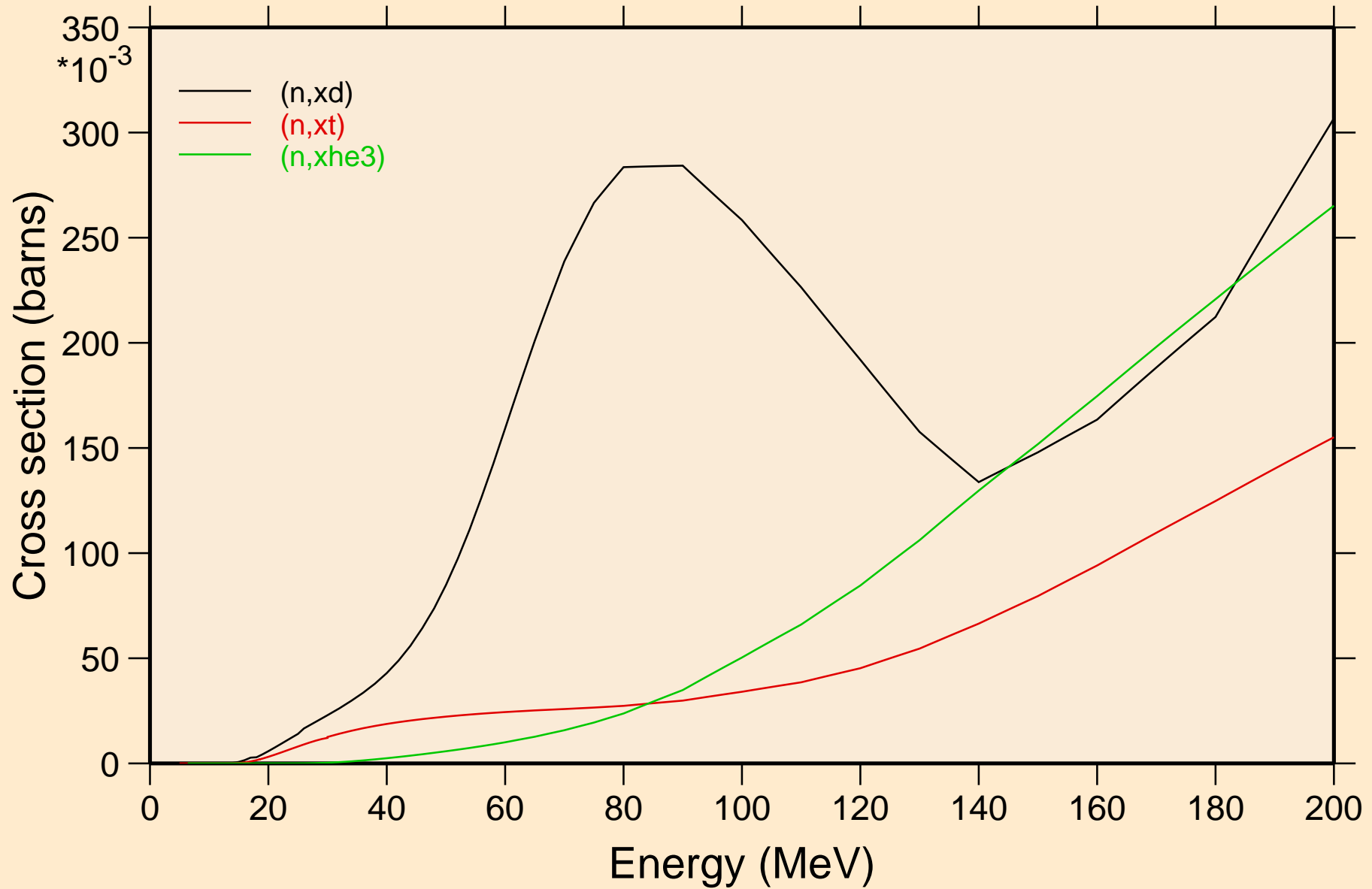


HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions

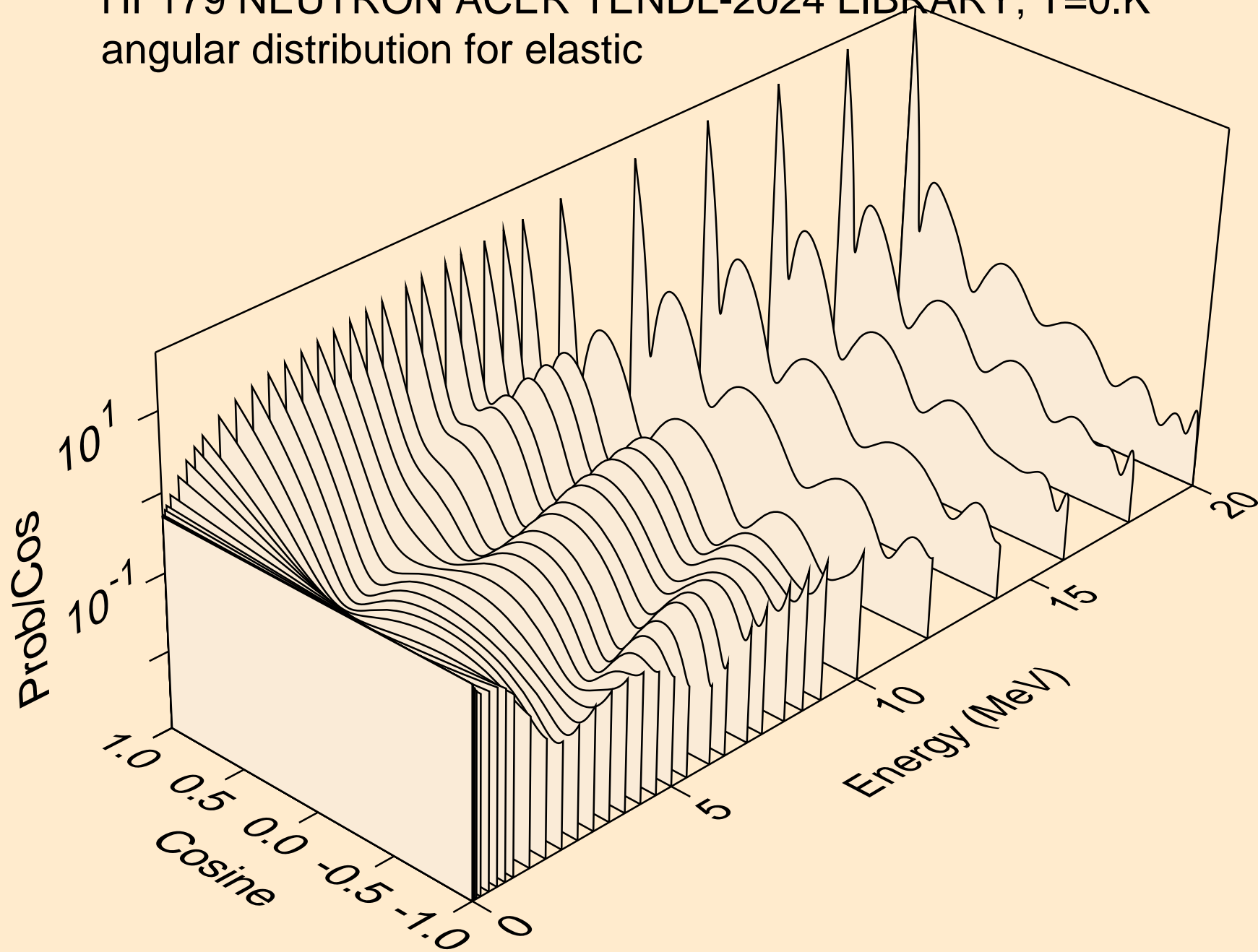


# HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

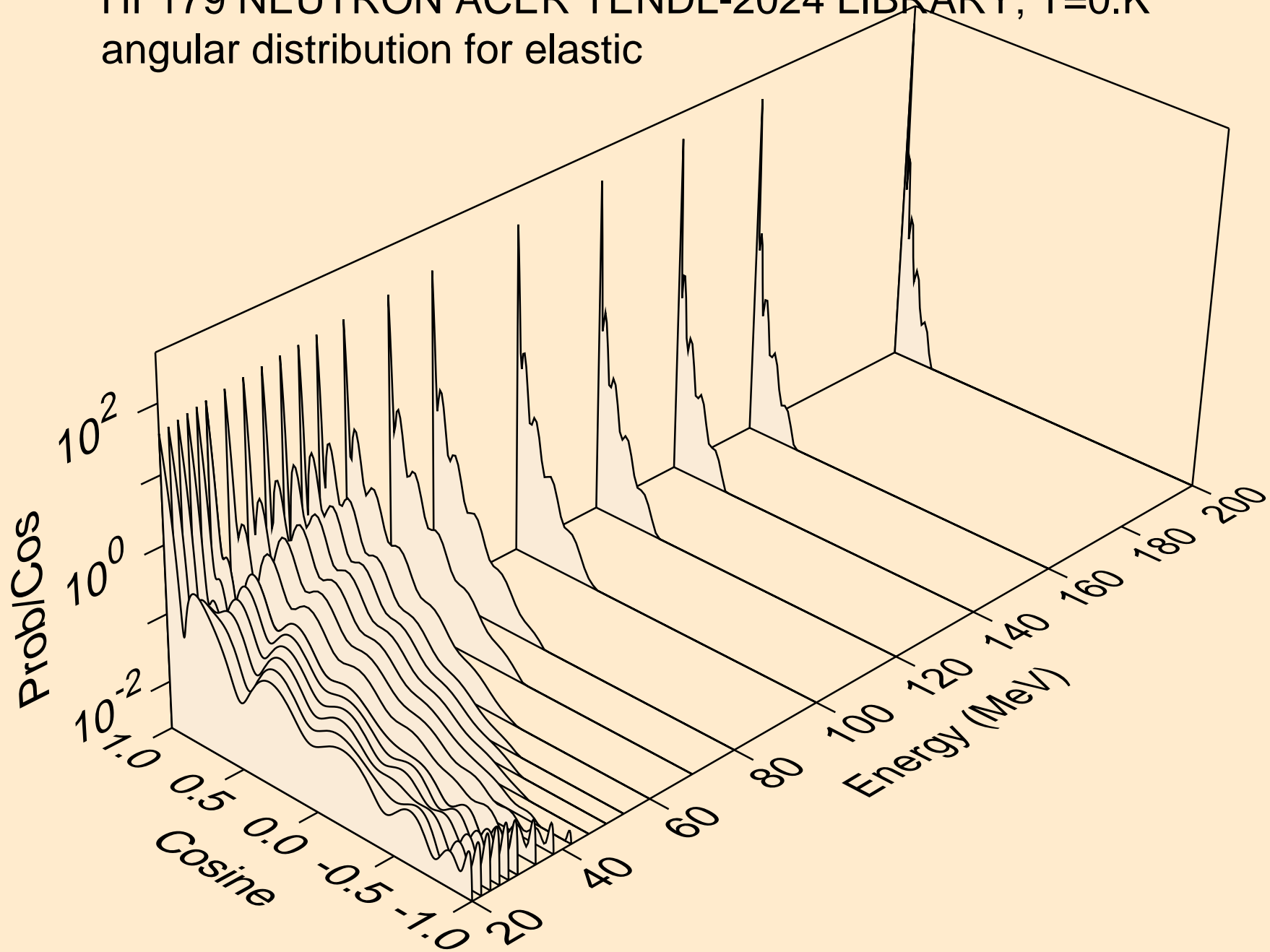
## Threshold reactions



HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic

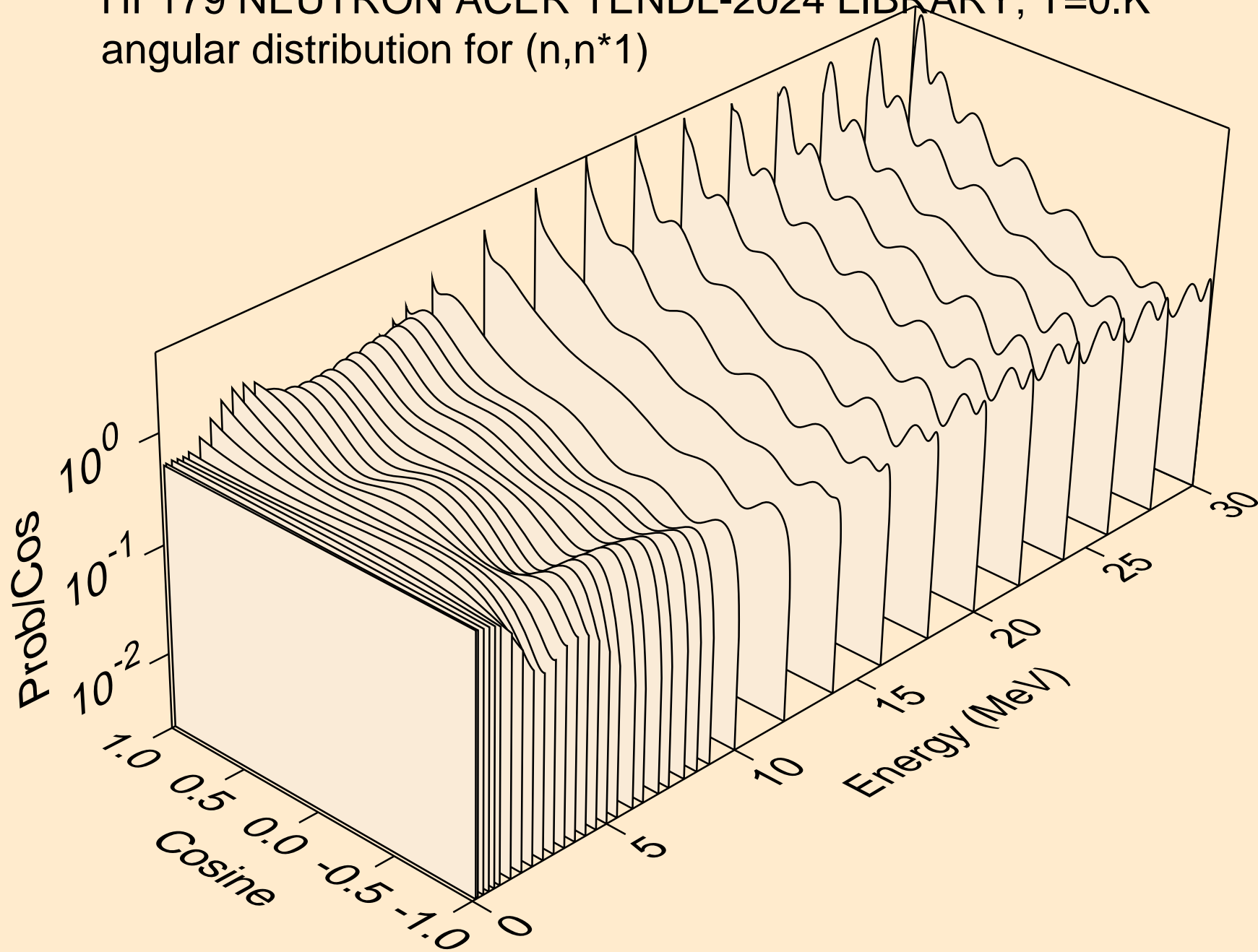


HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic

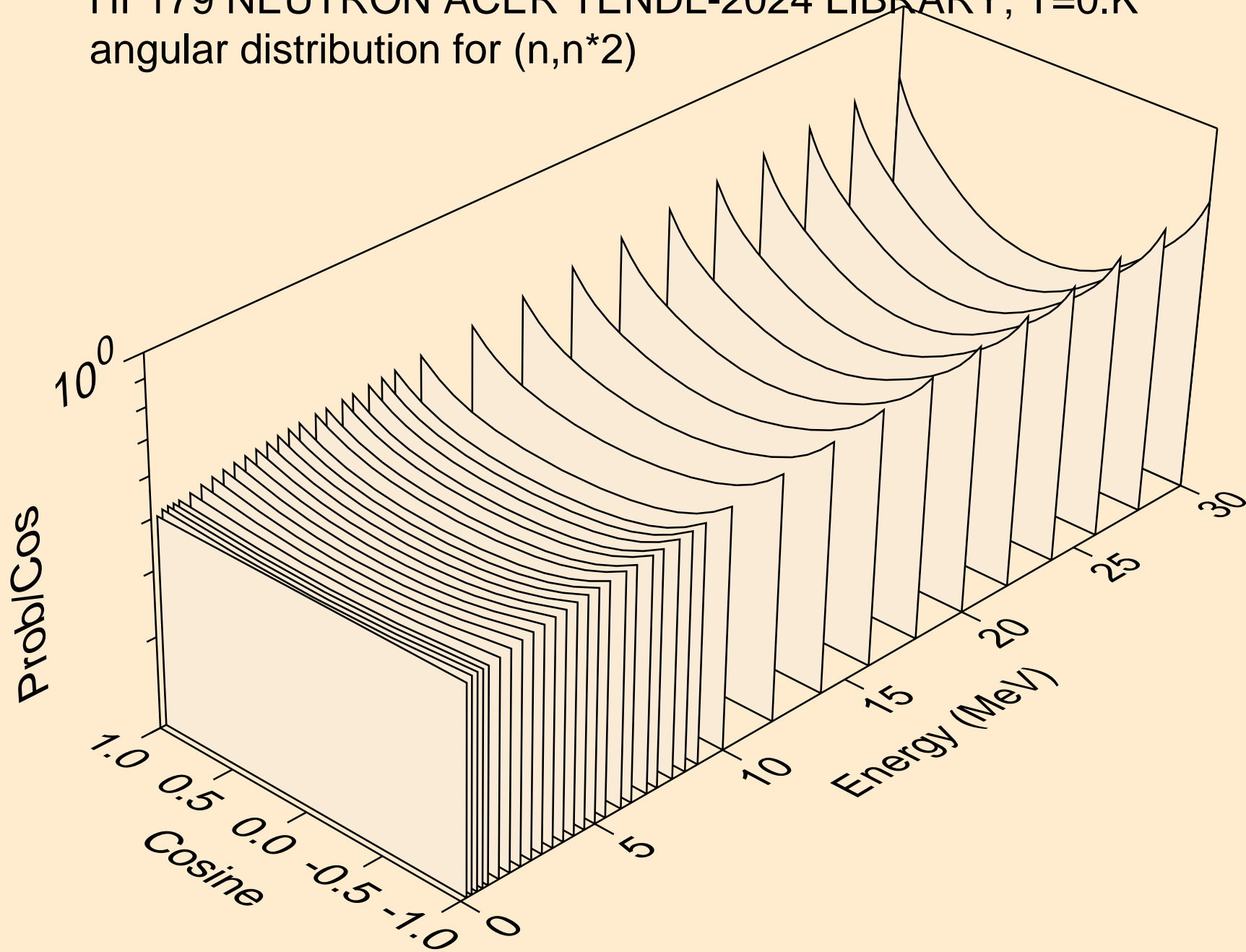




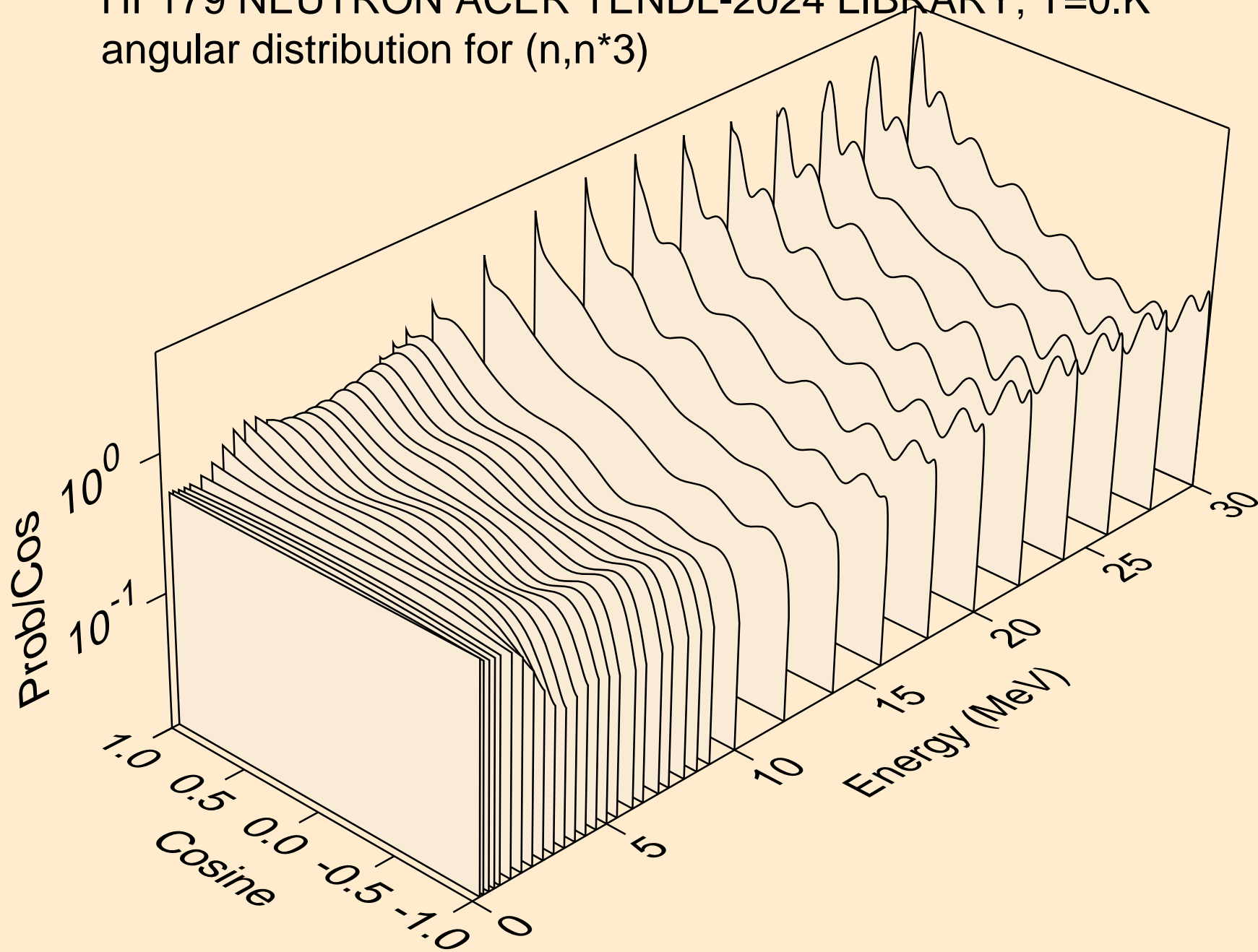
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



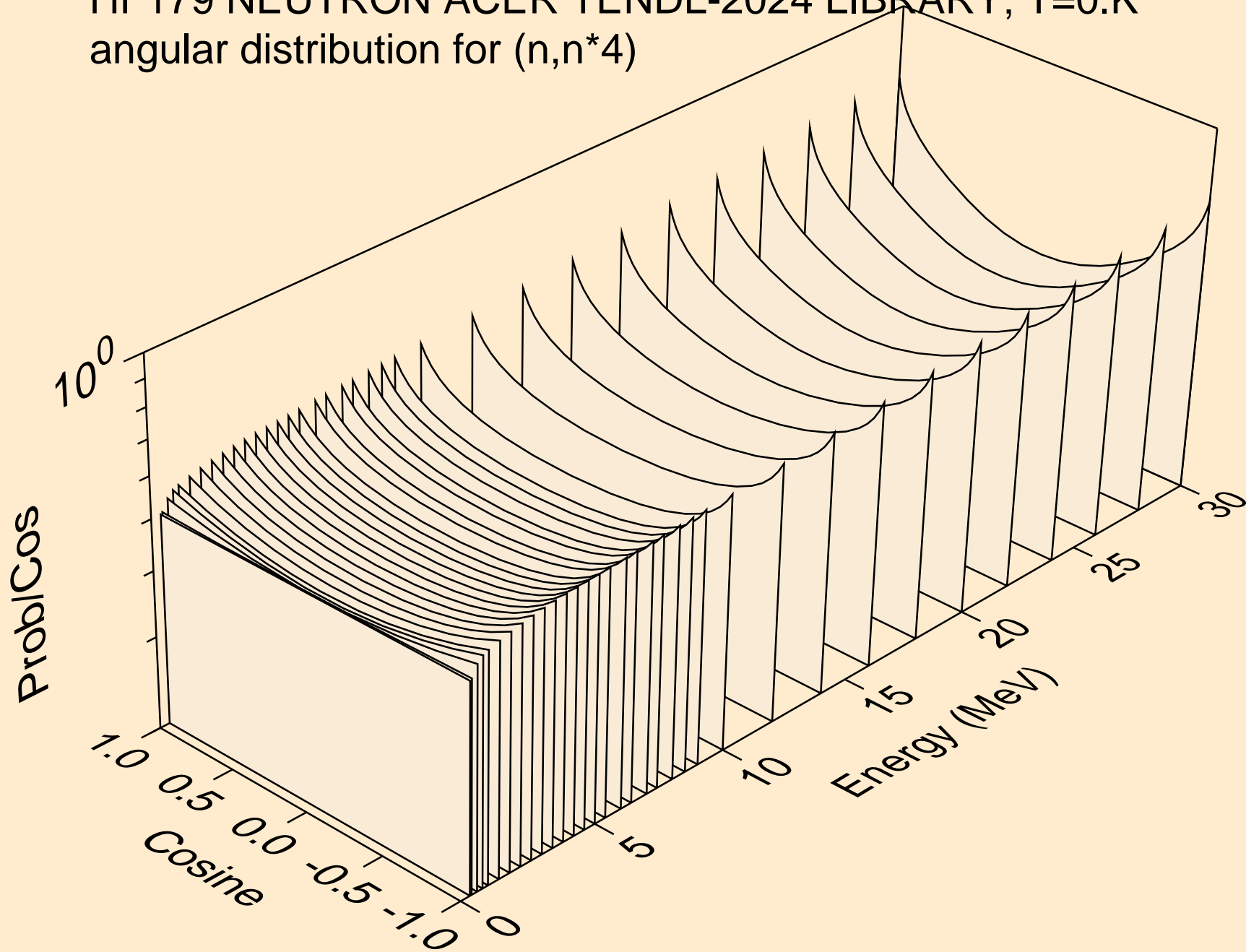
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*2)



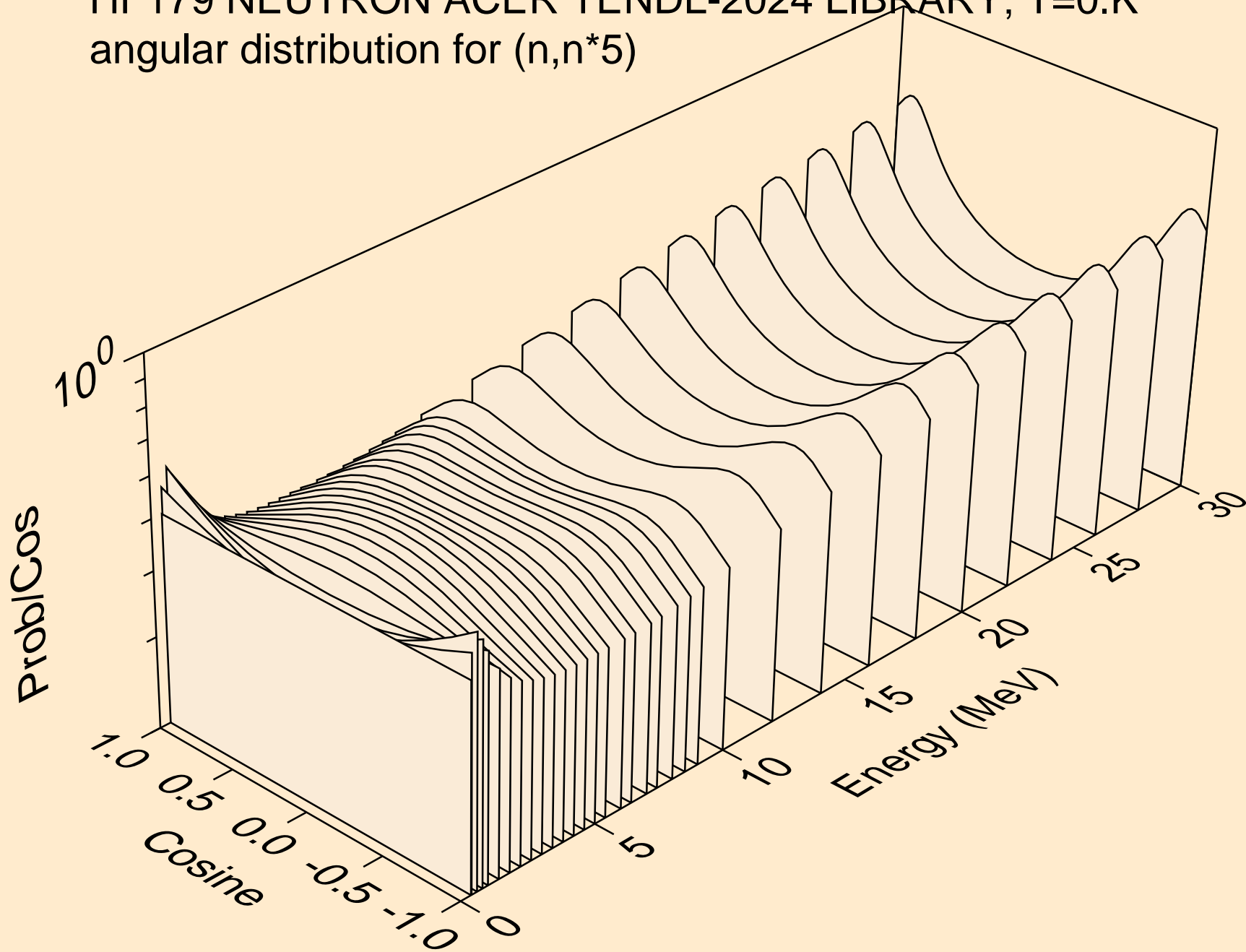
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*3)



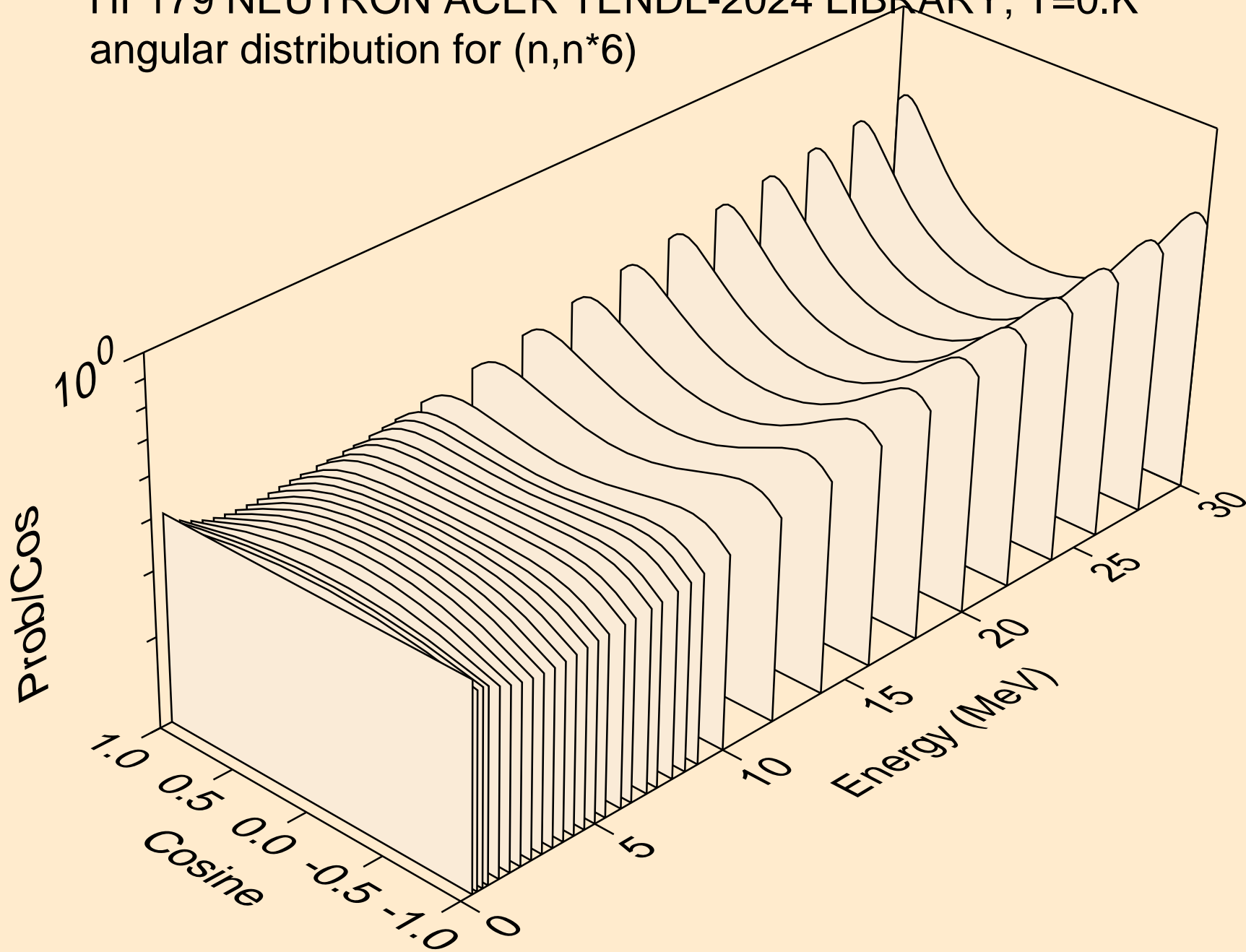
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*4)



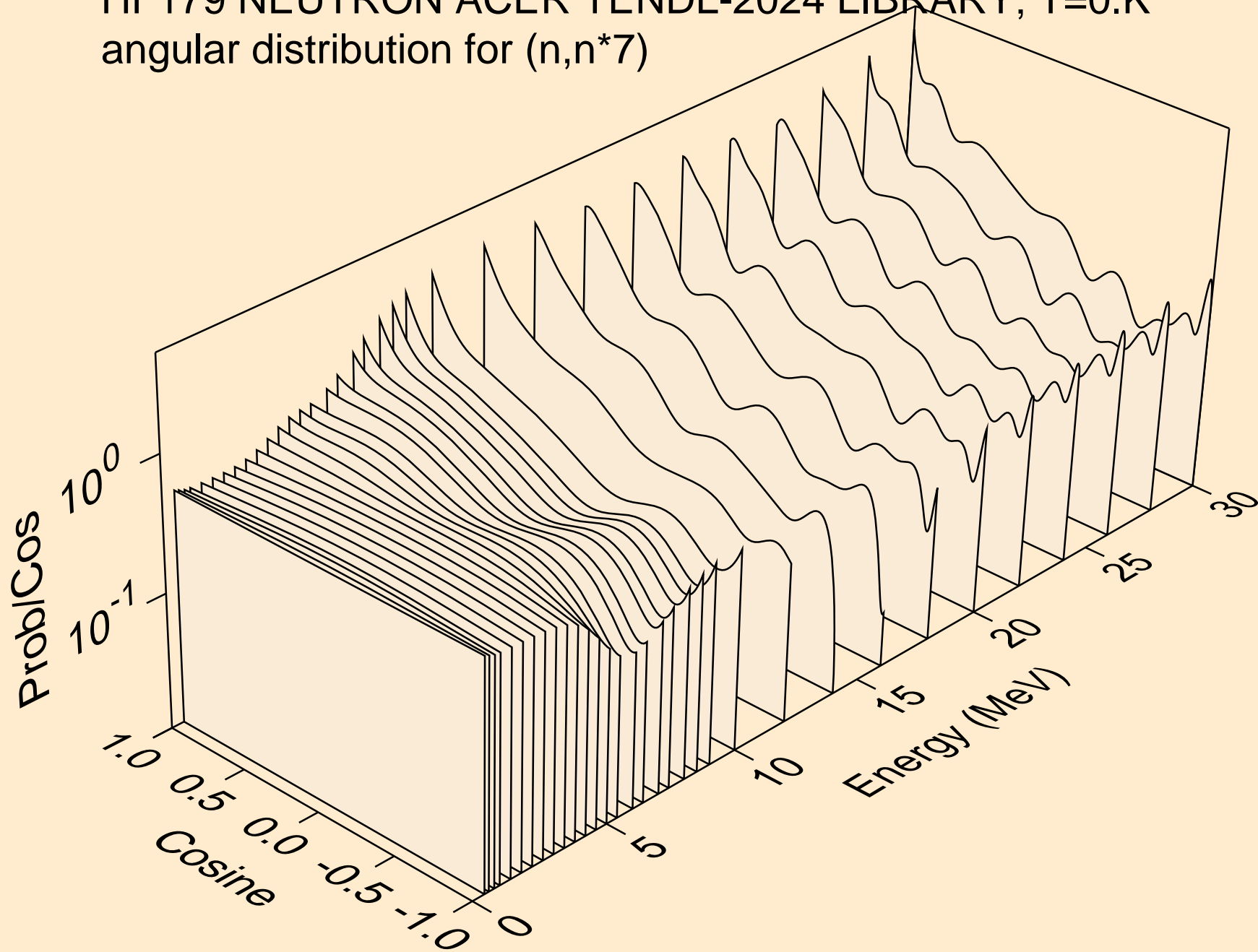
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*5)



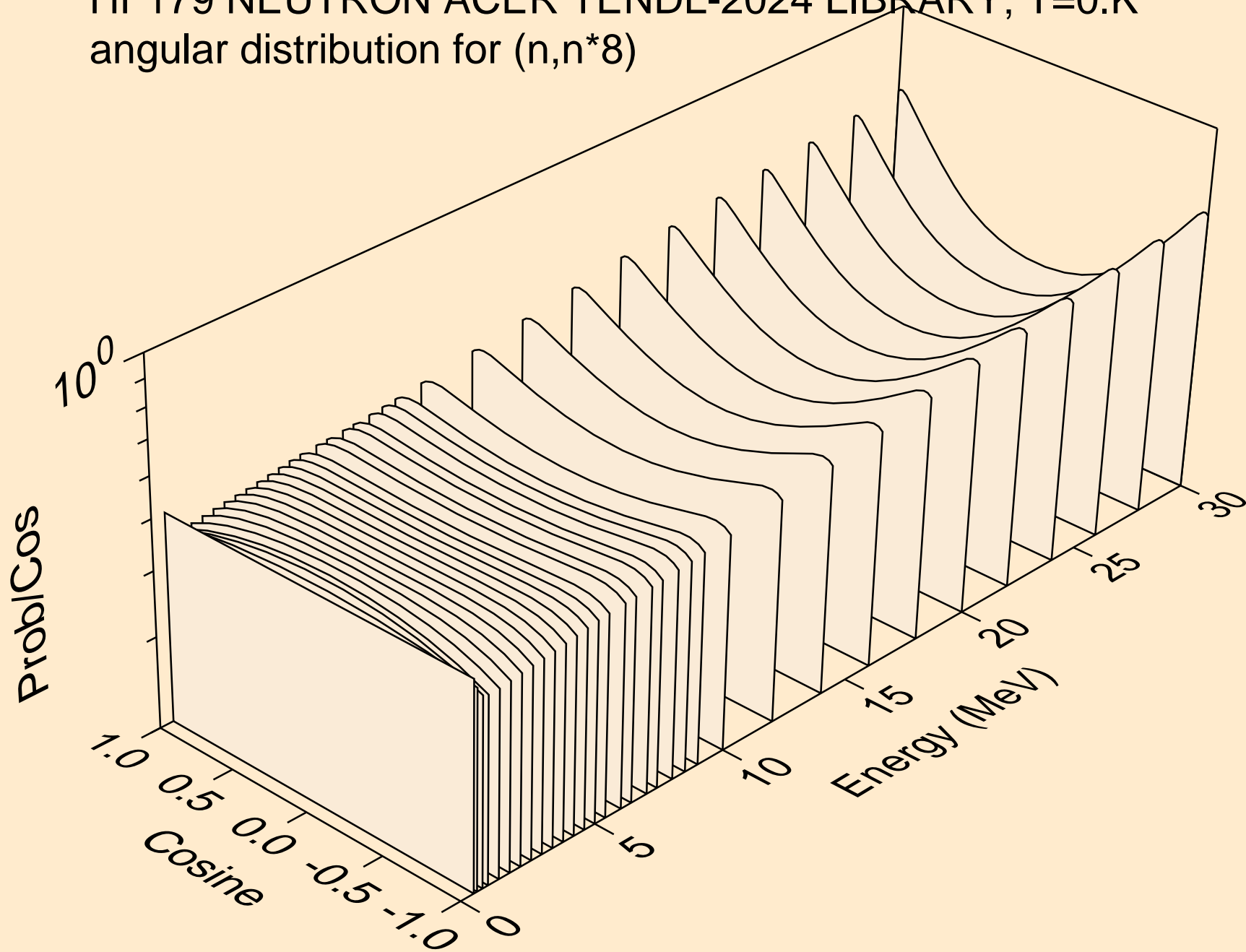
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*6)



HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*7)

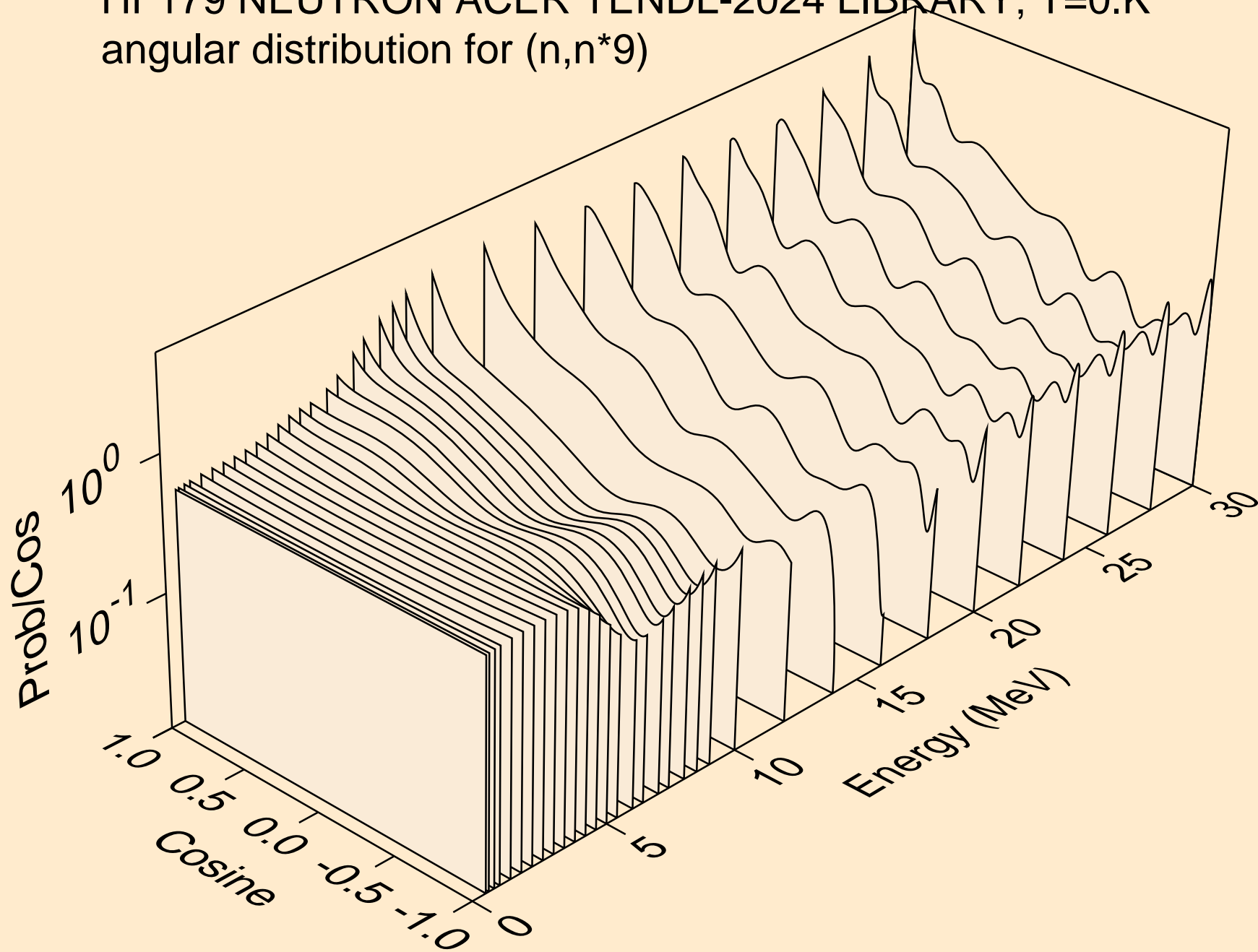


HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*8)

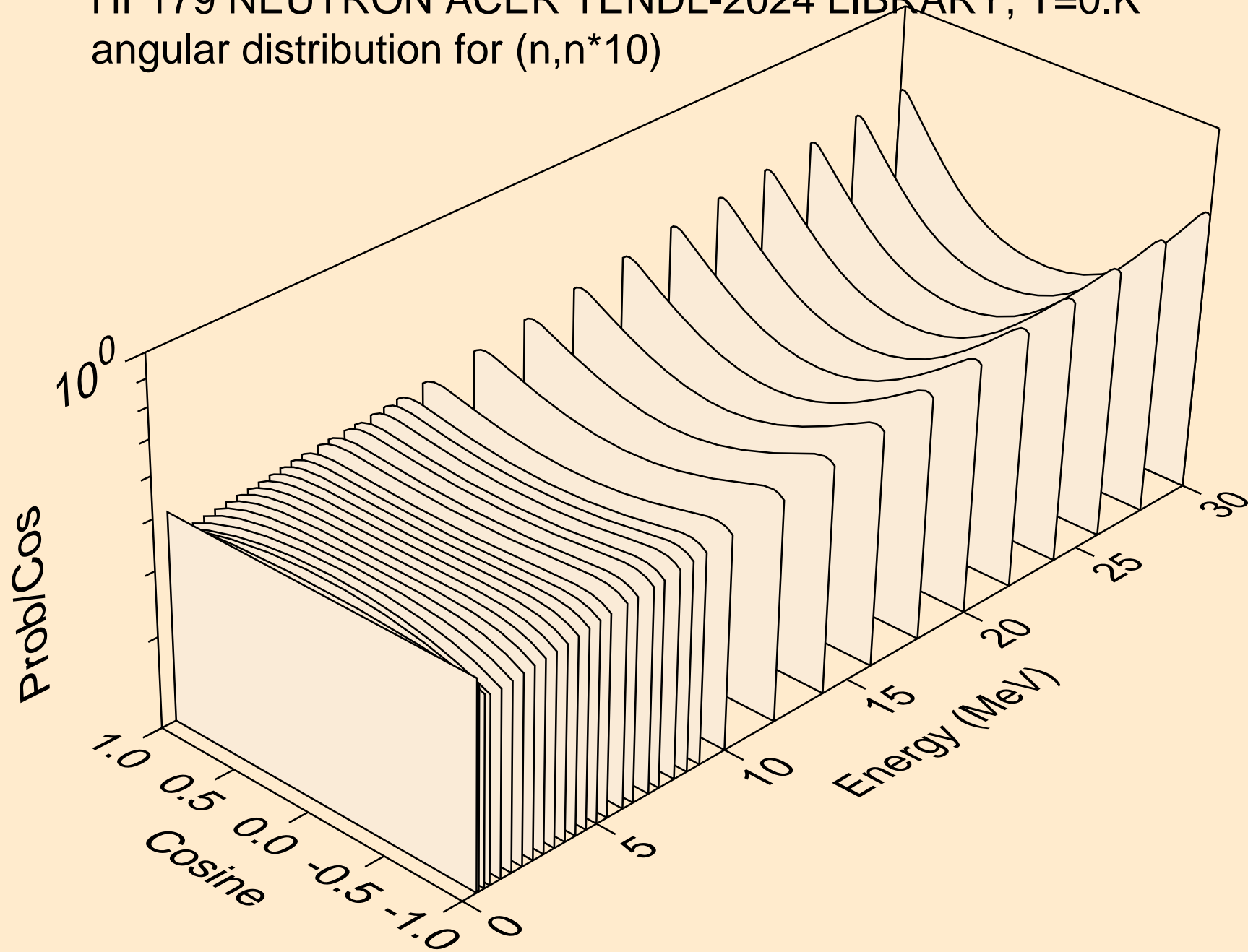




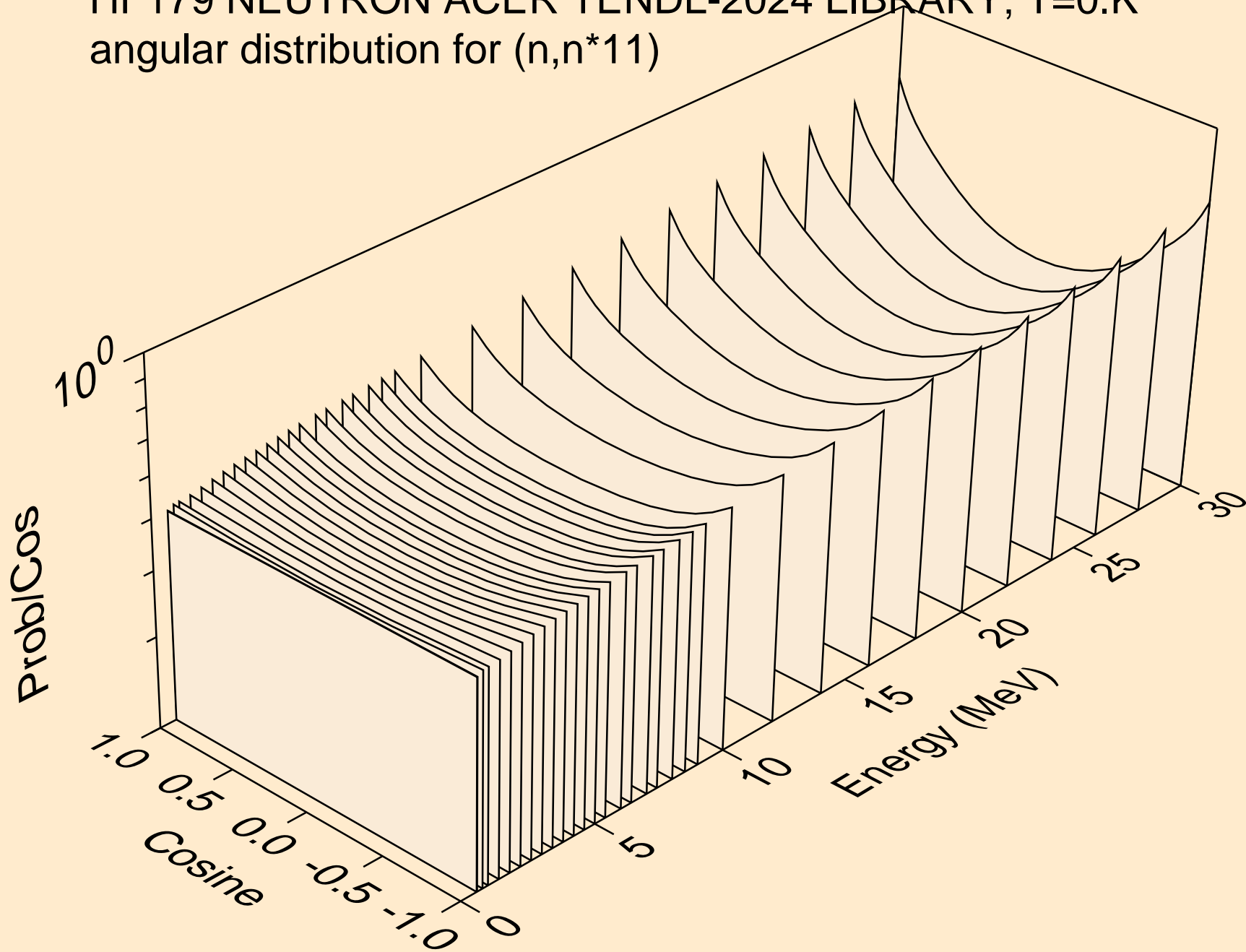
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*9)



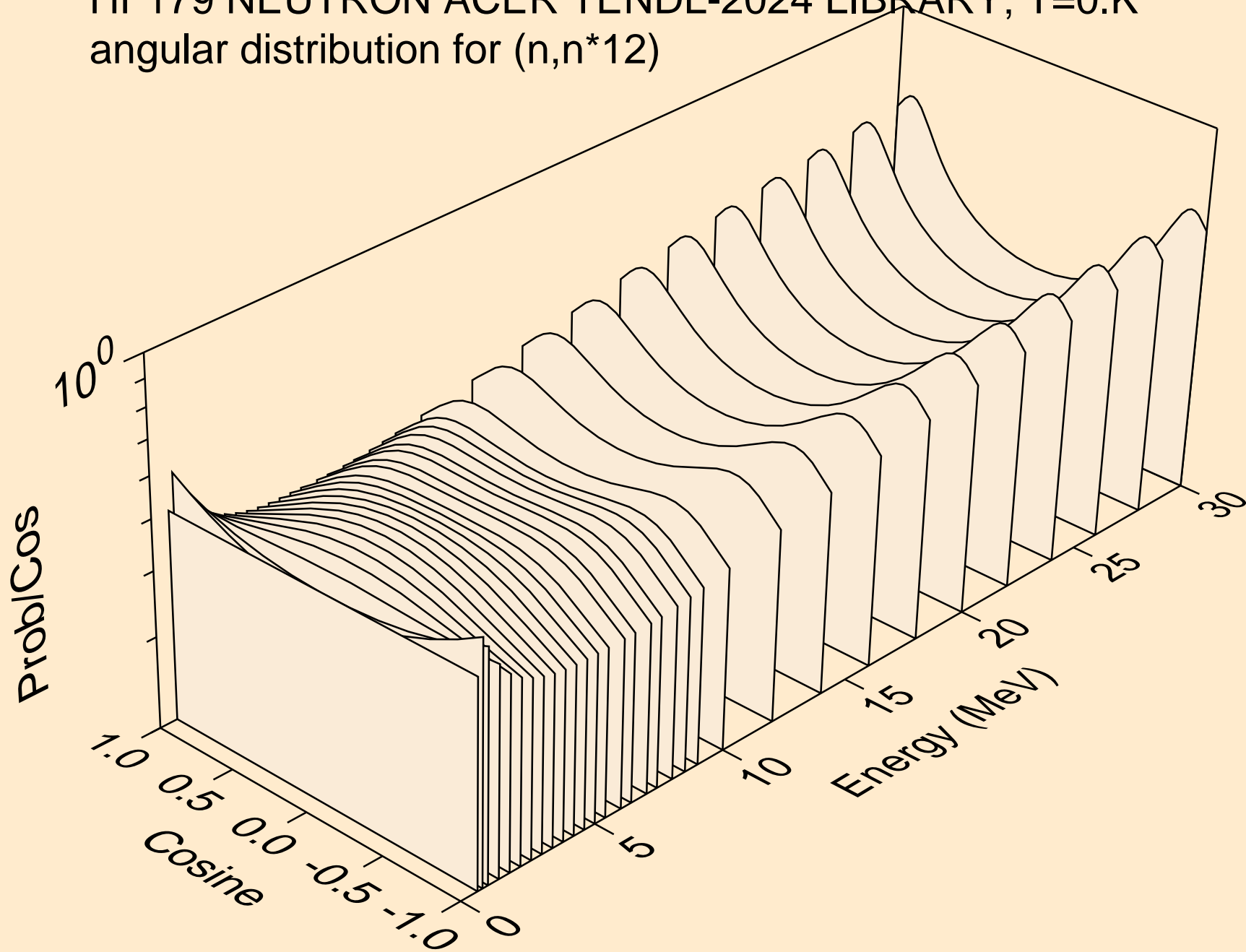
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*10)



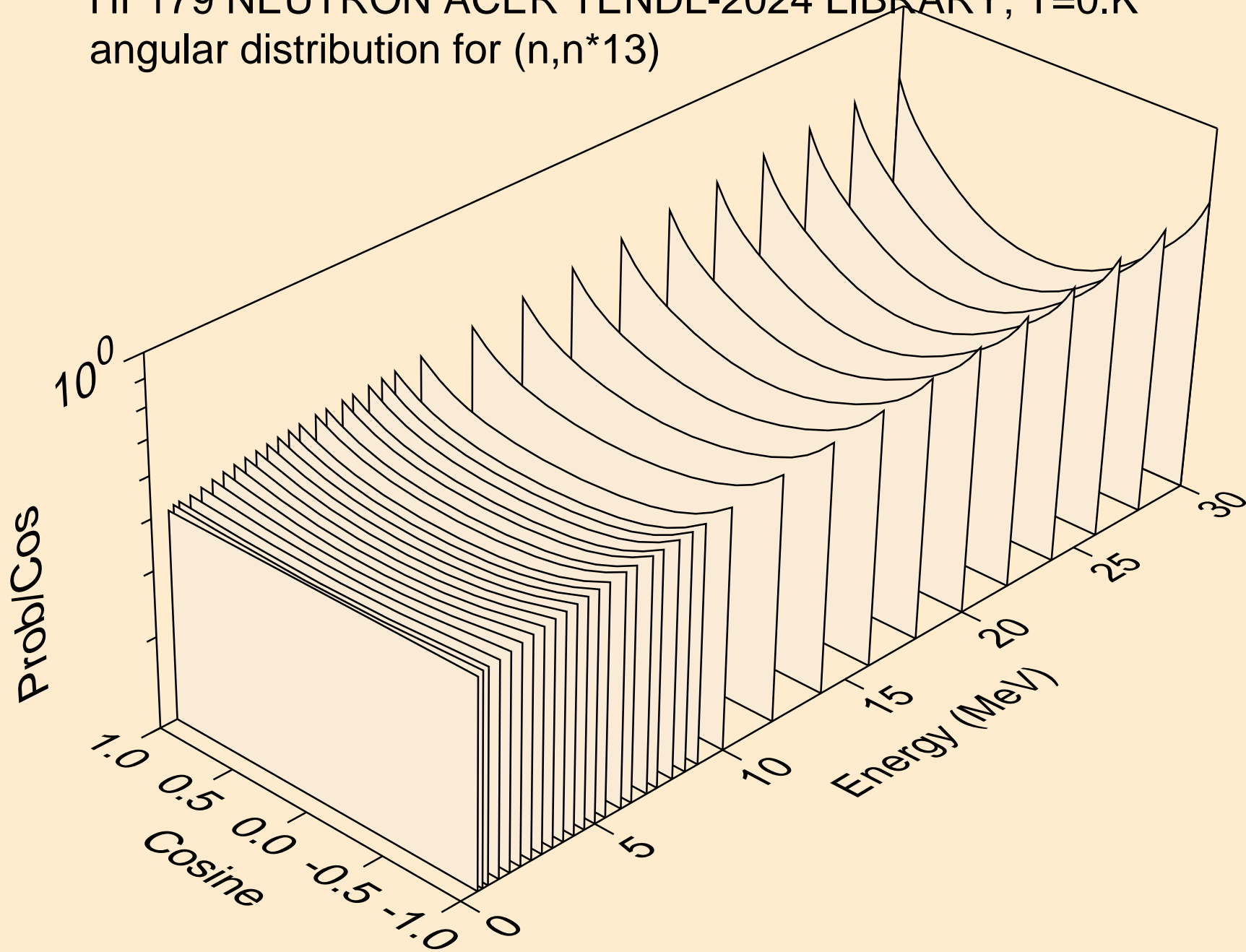
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*11)



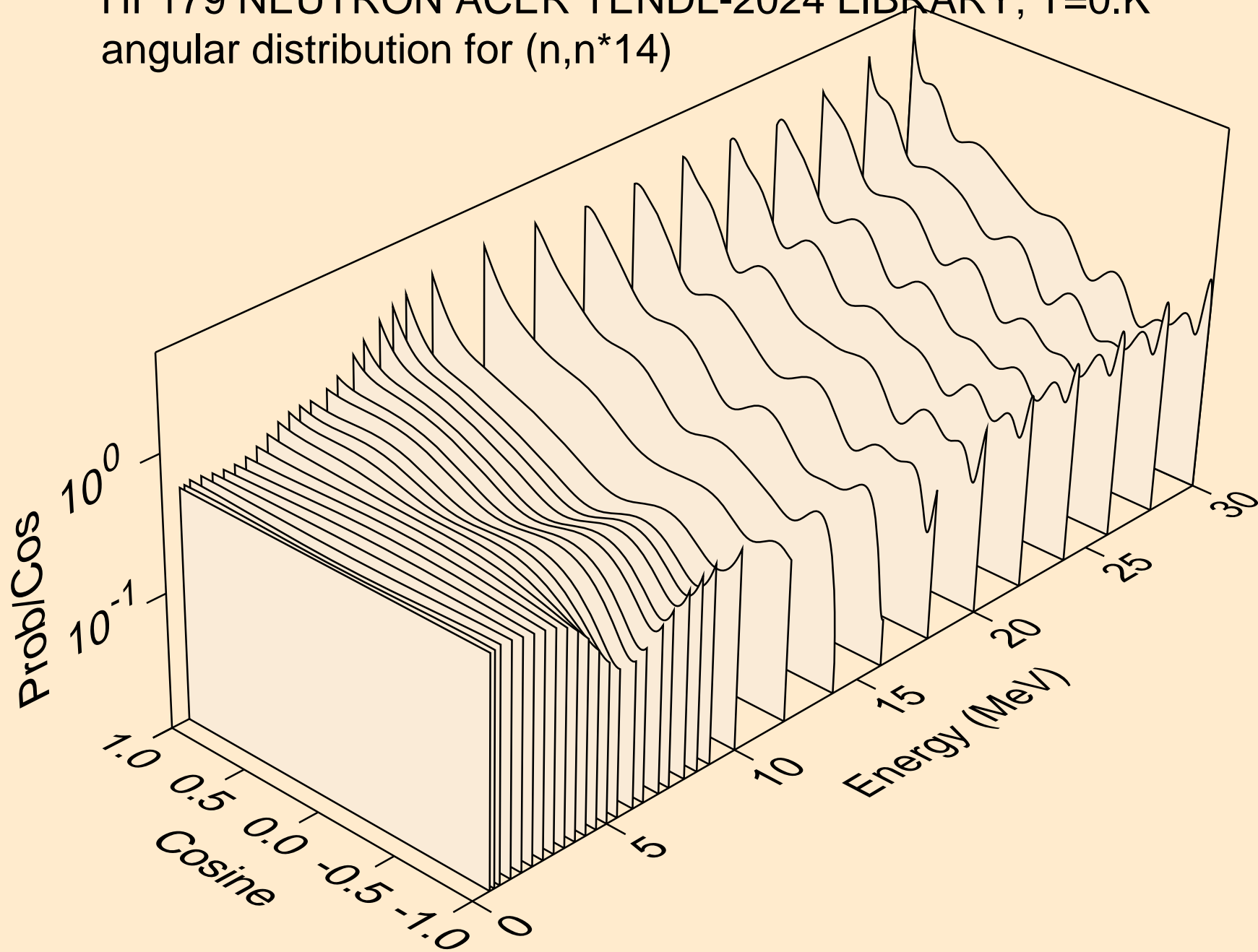
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*12)



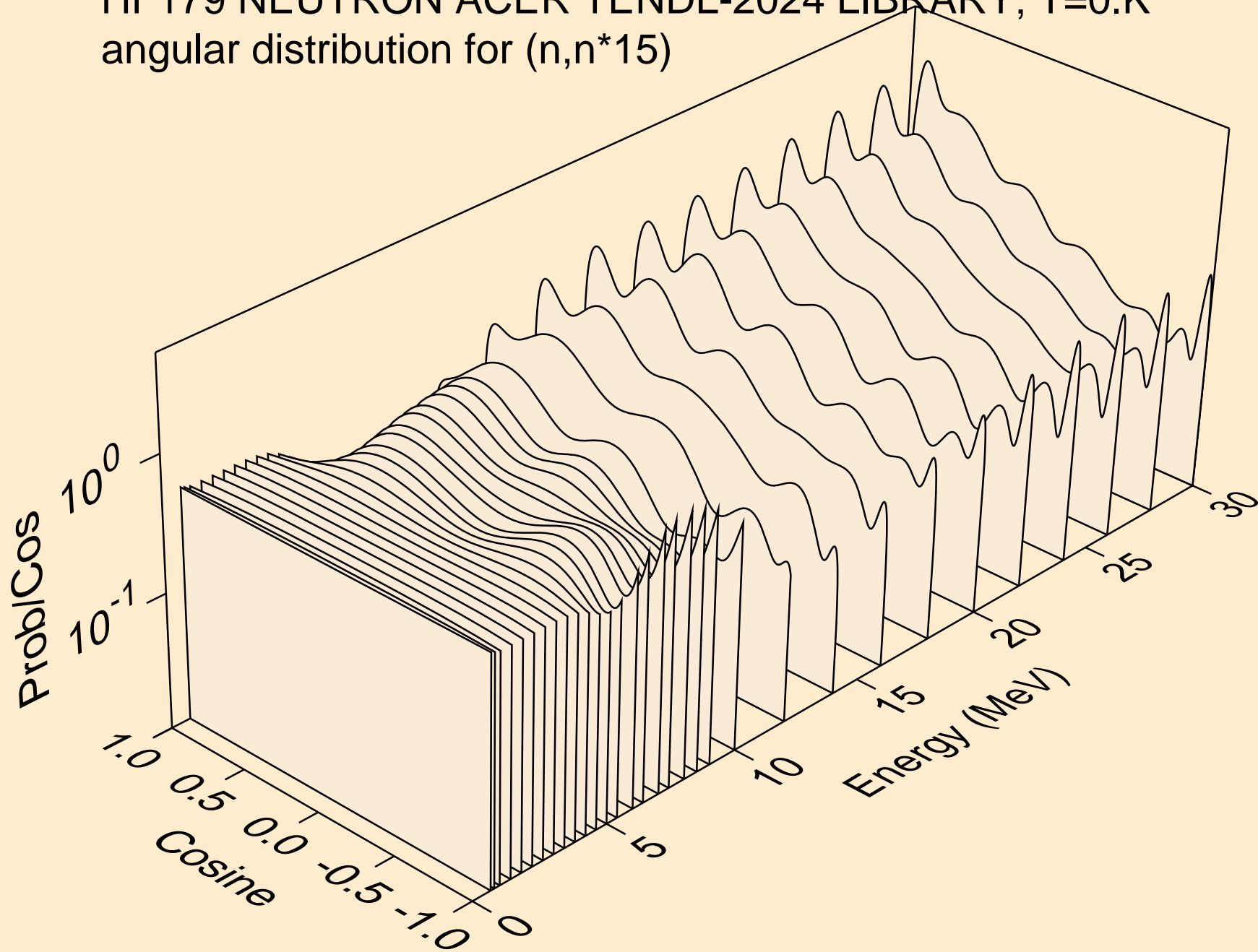
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*13)



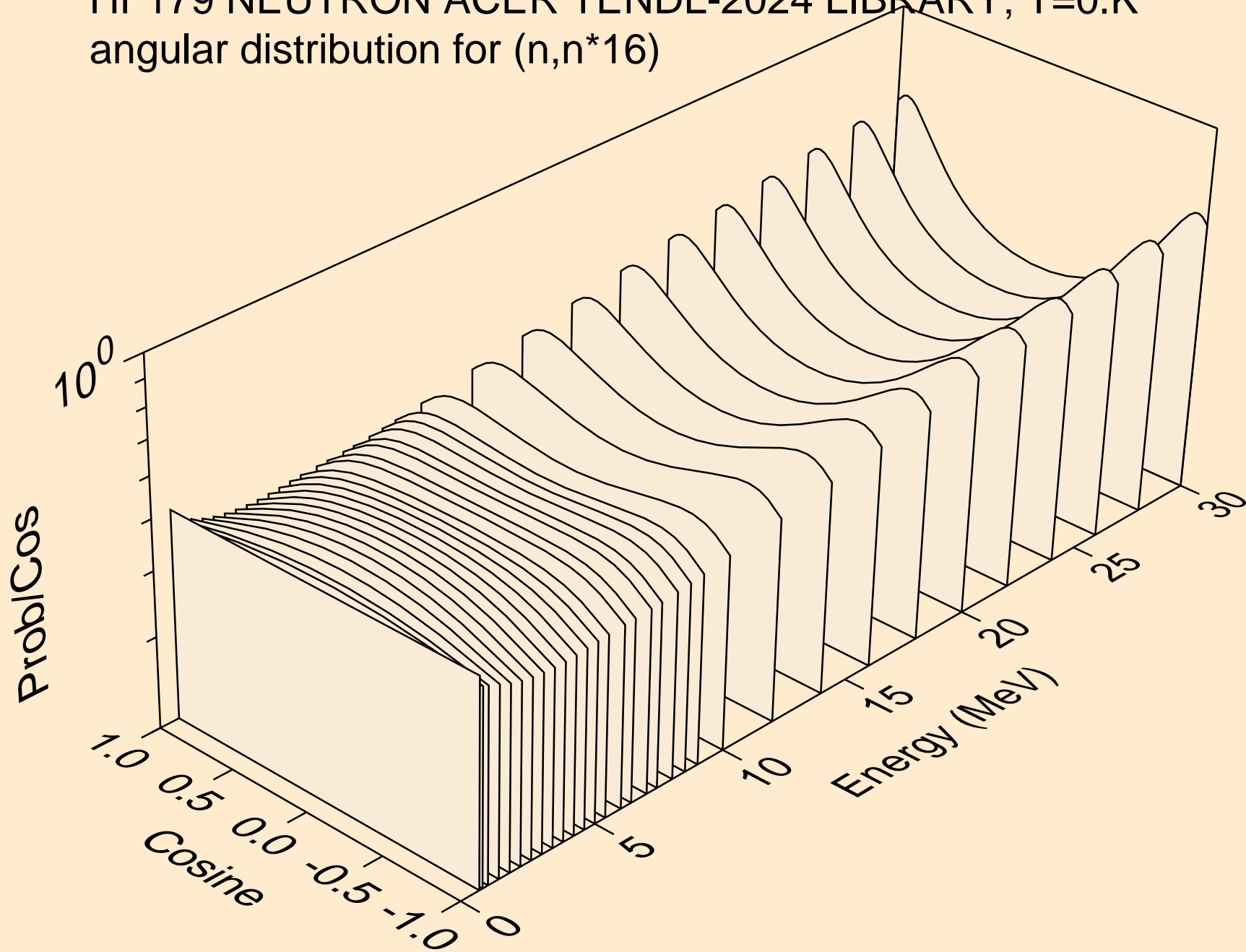
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*14)



HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*15)

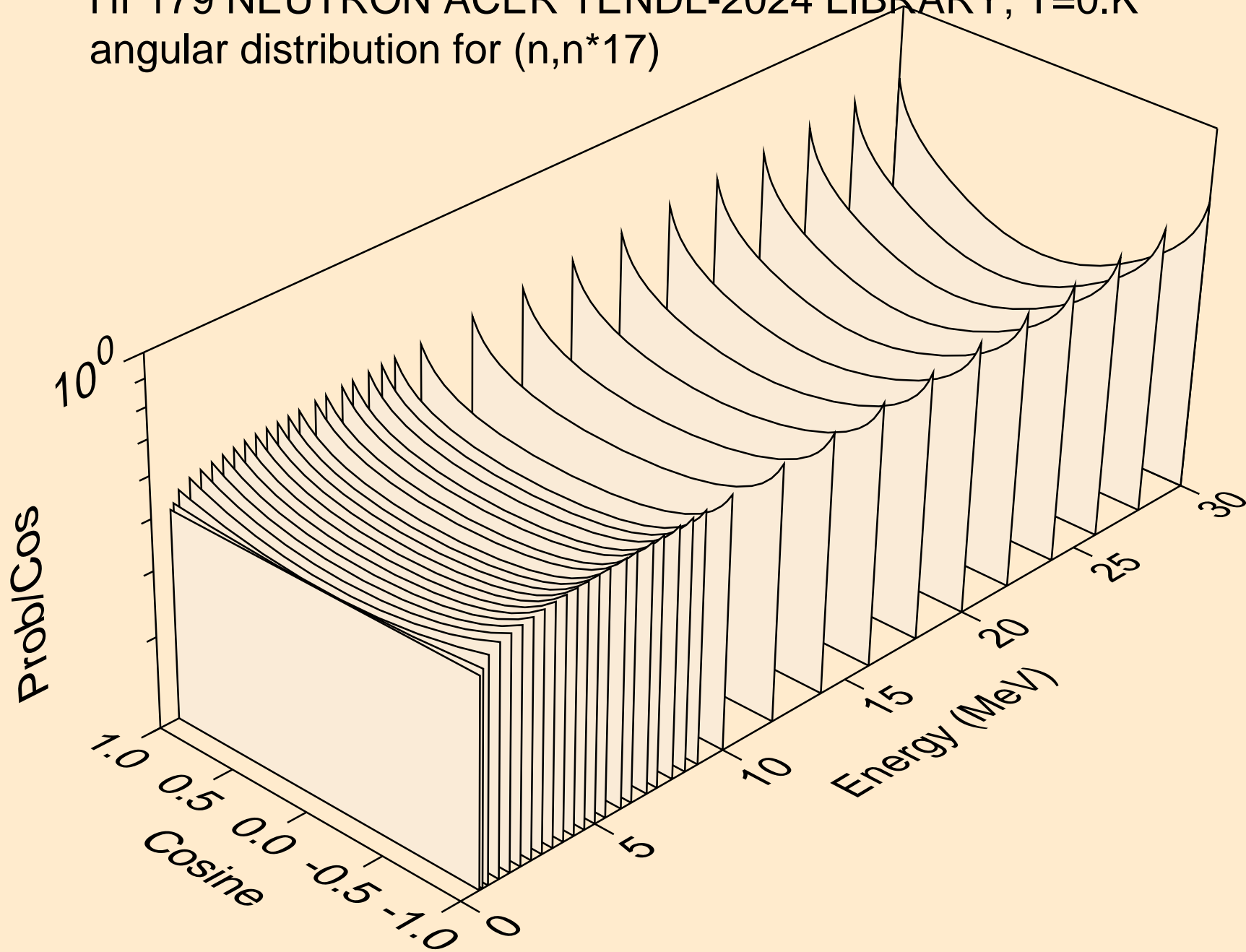


HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*16)

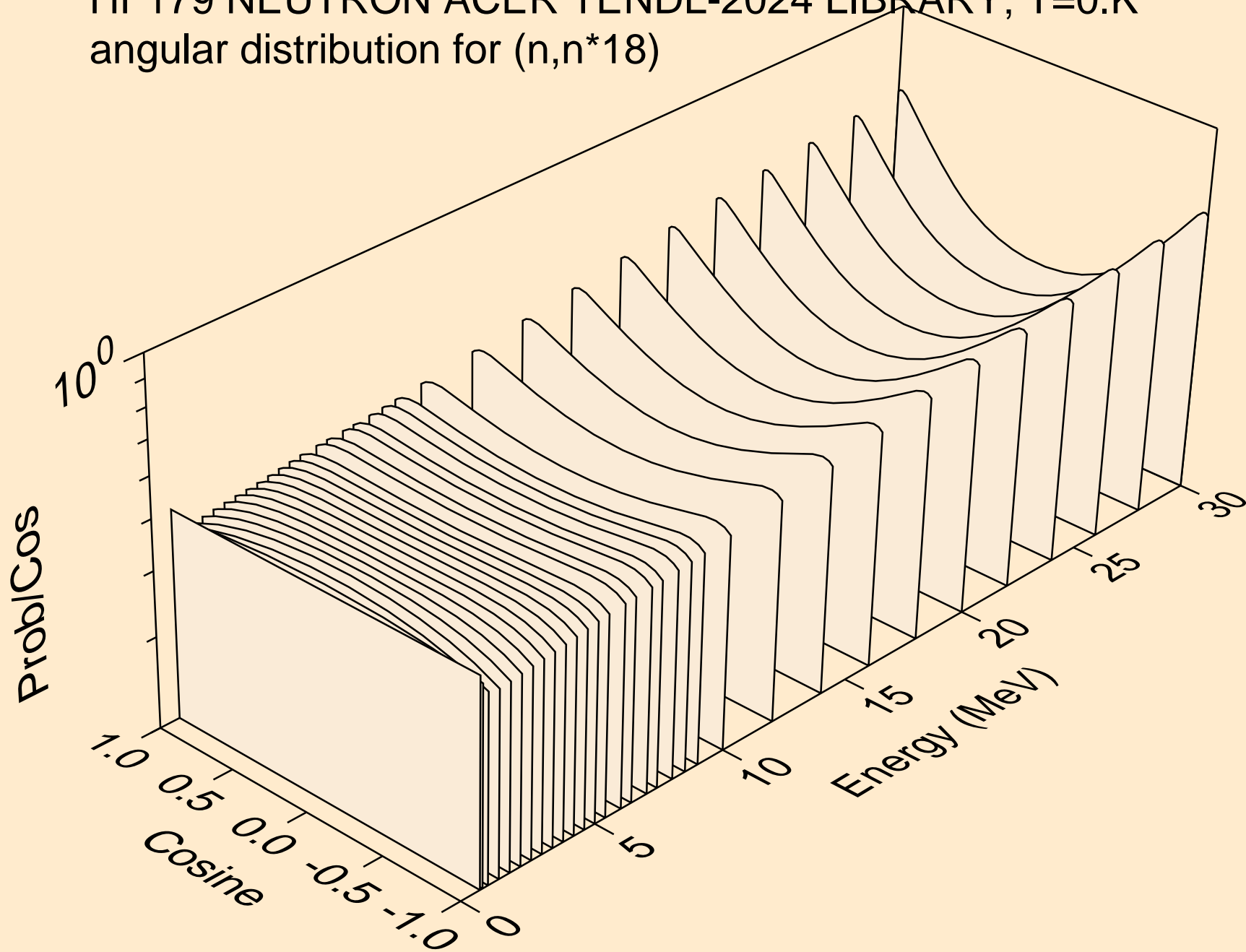




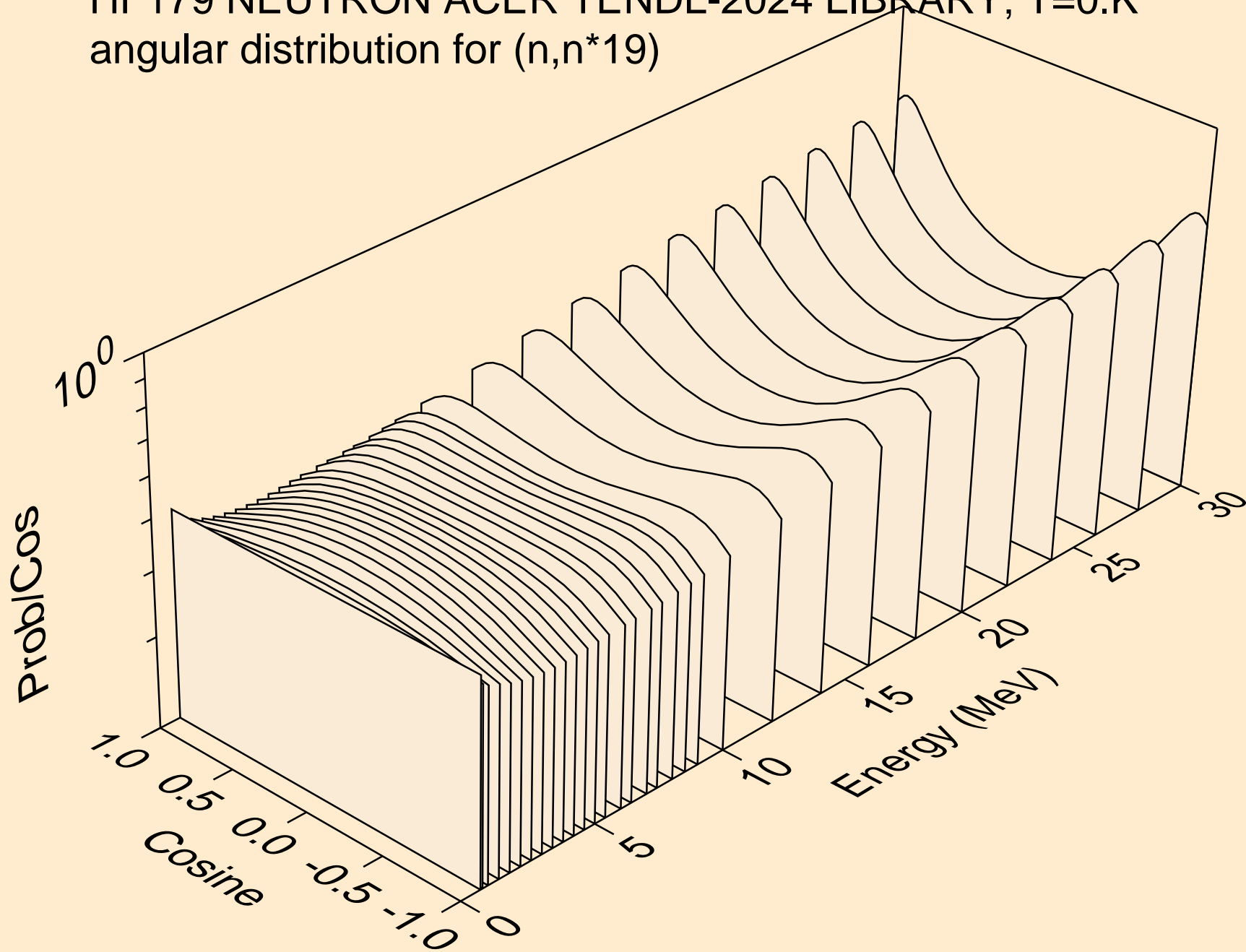
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*17)



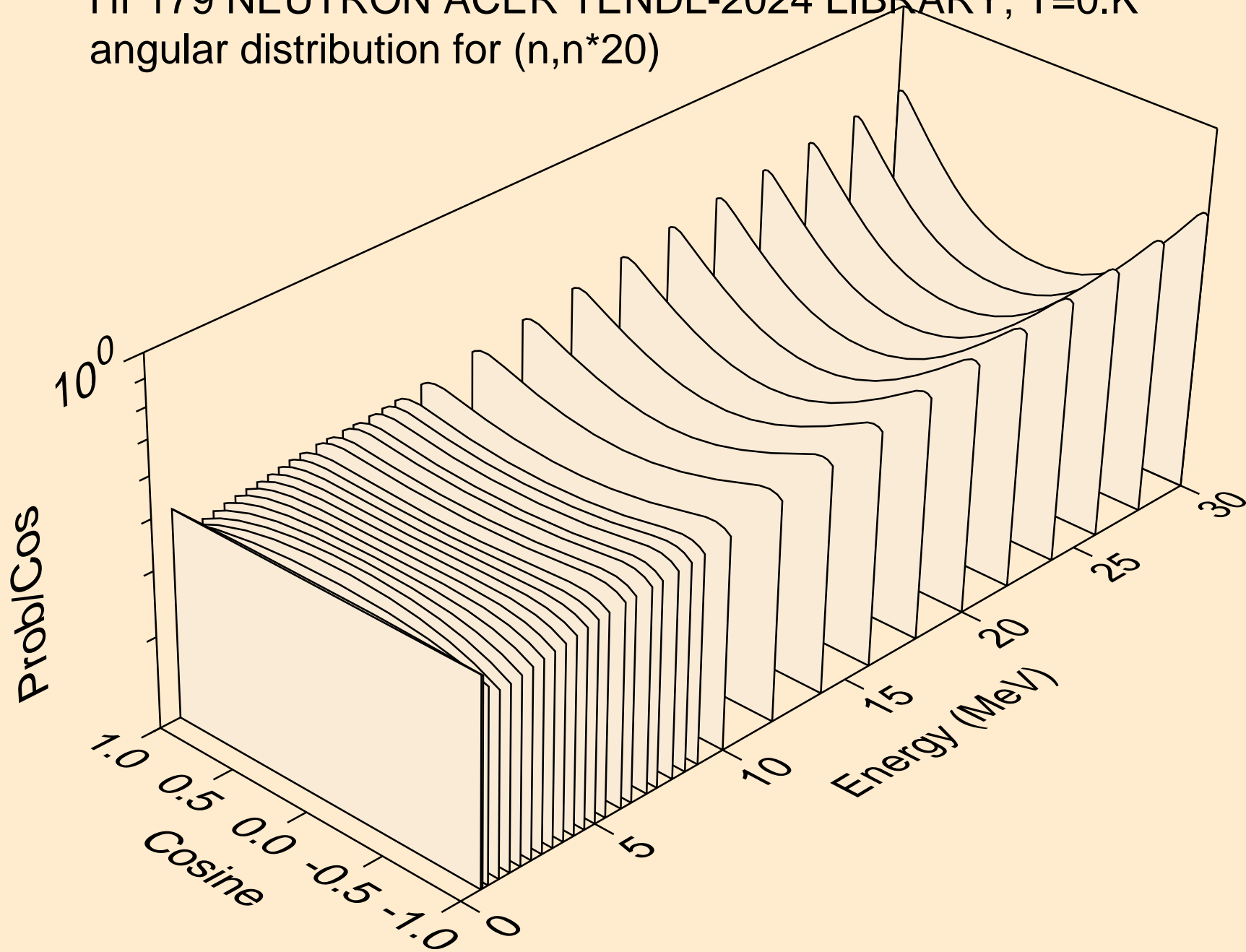
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*18)



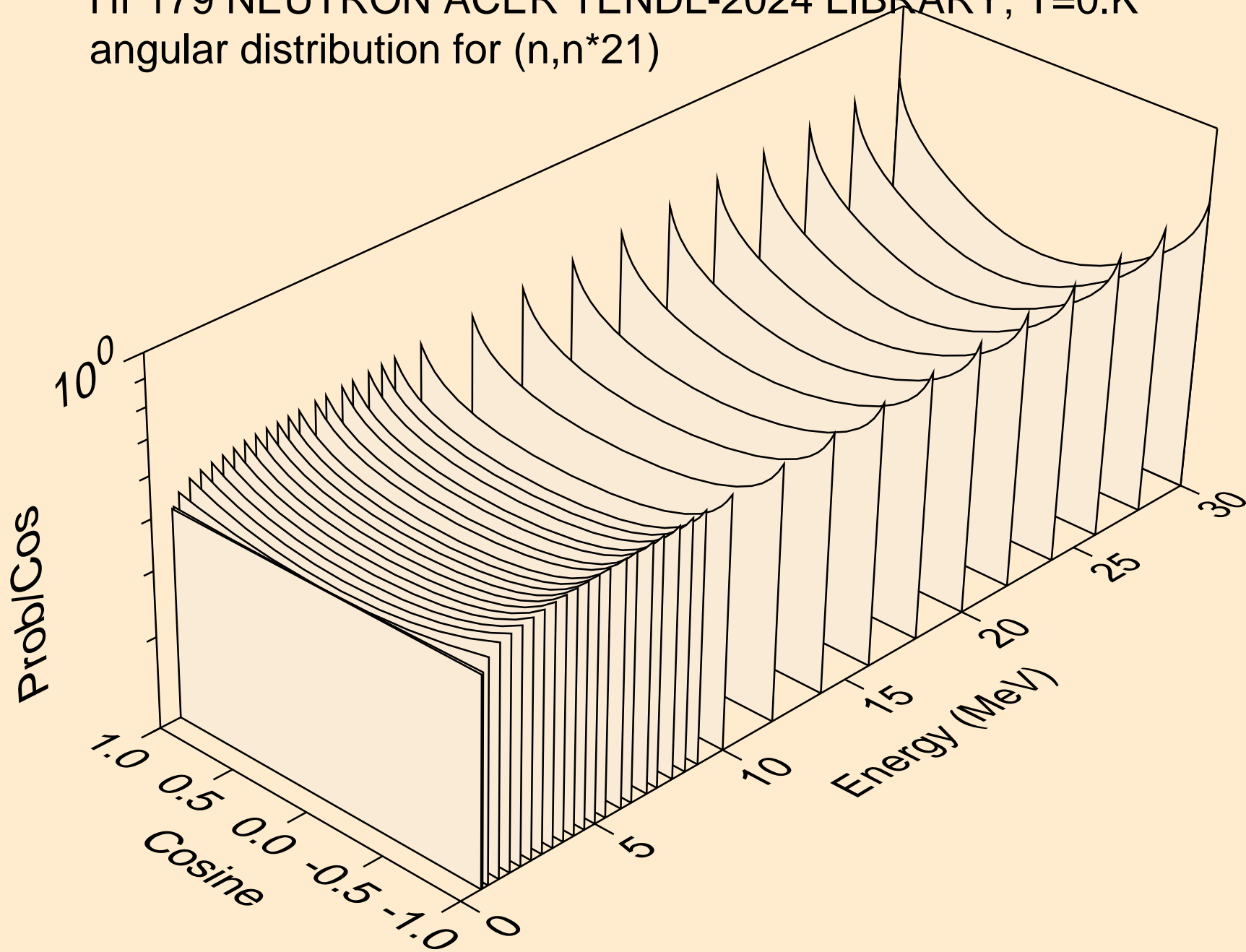
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*19)



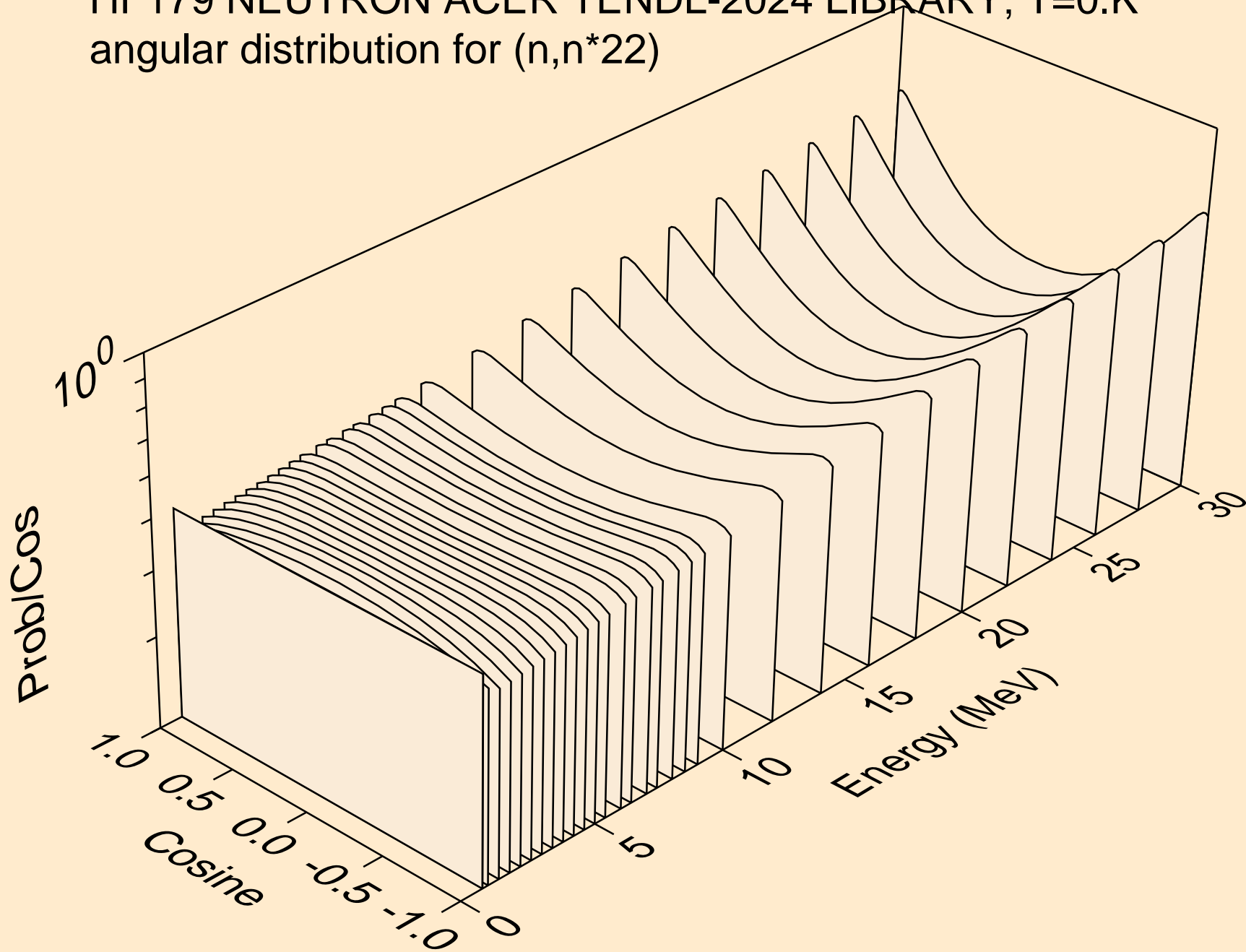
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*20)



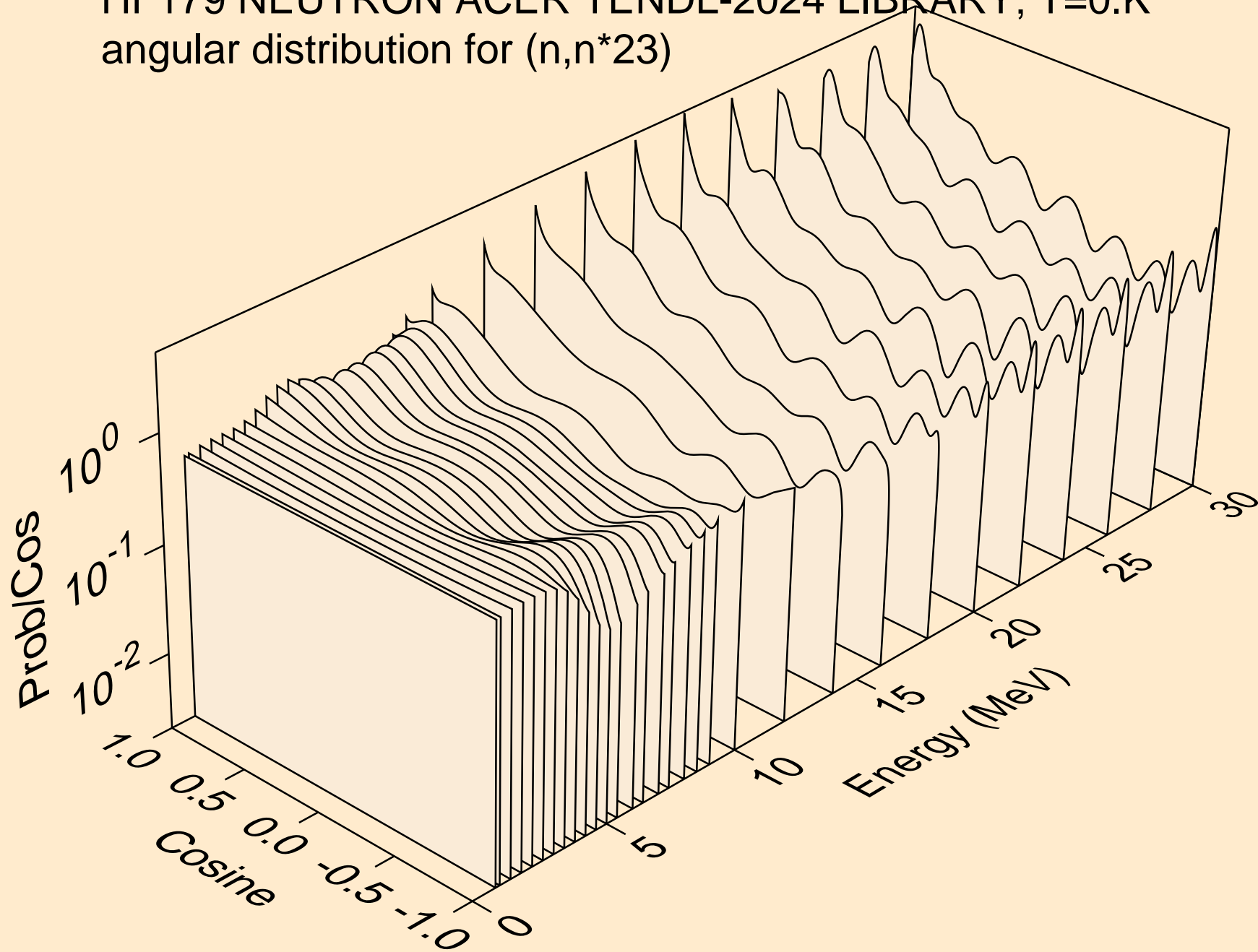
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*21)



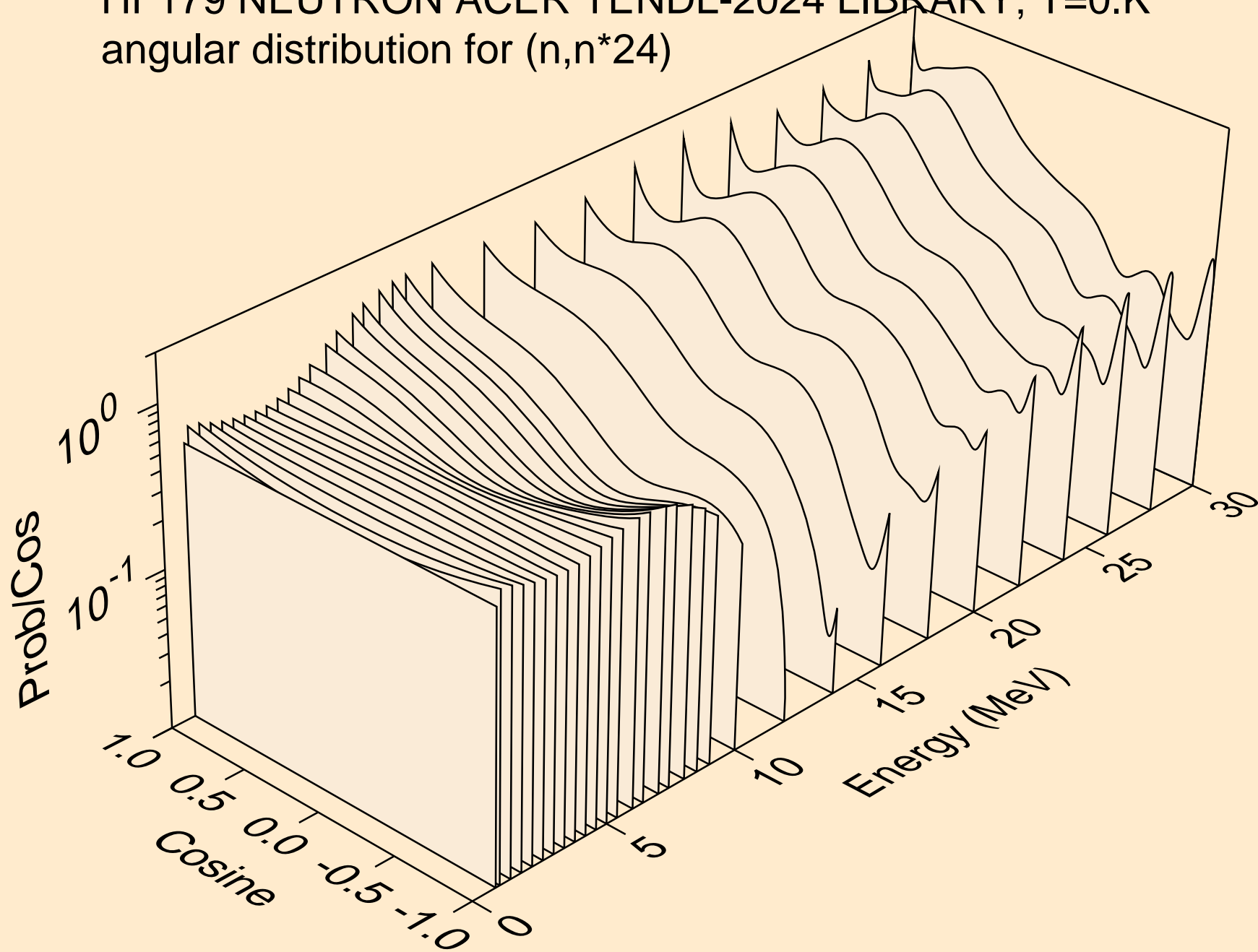
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*22)



HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*23)

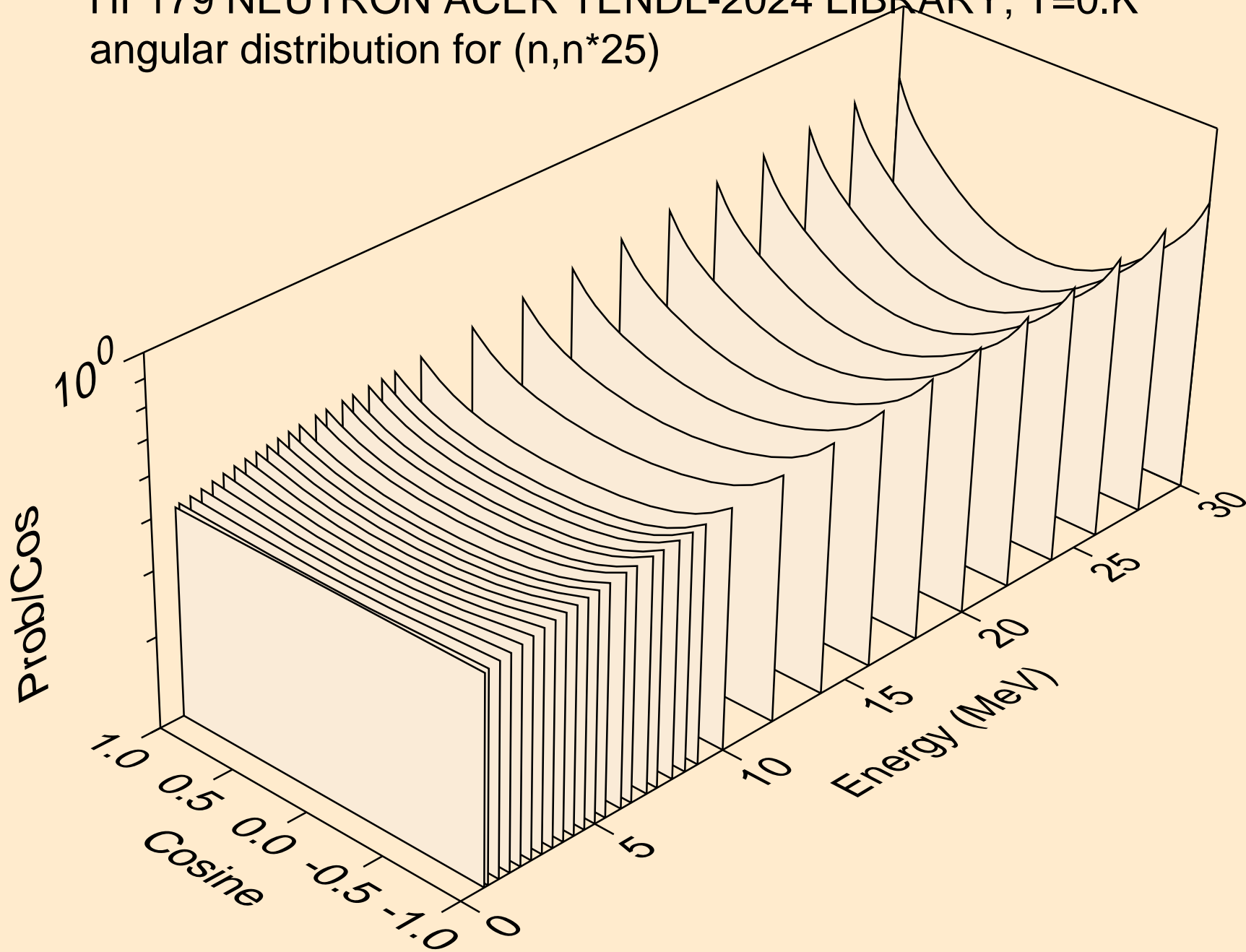


HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*24)

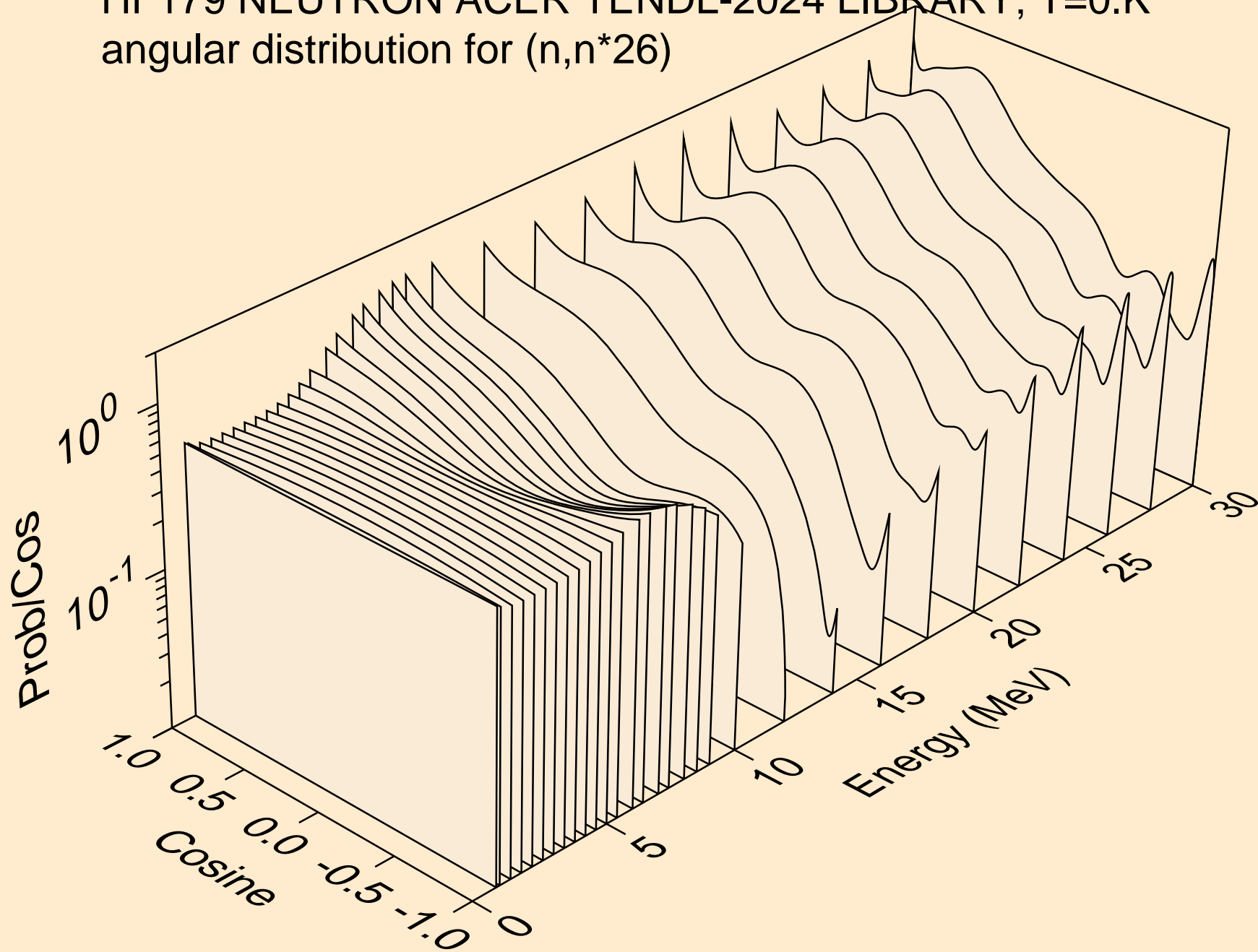




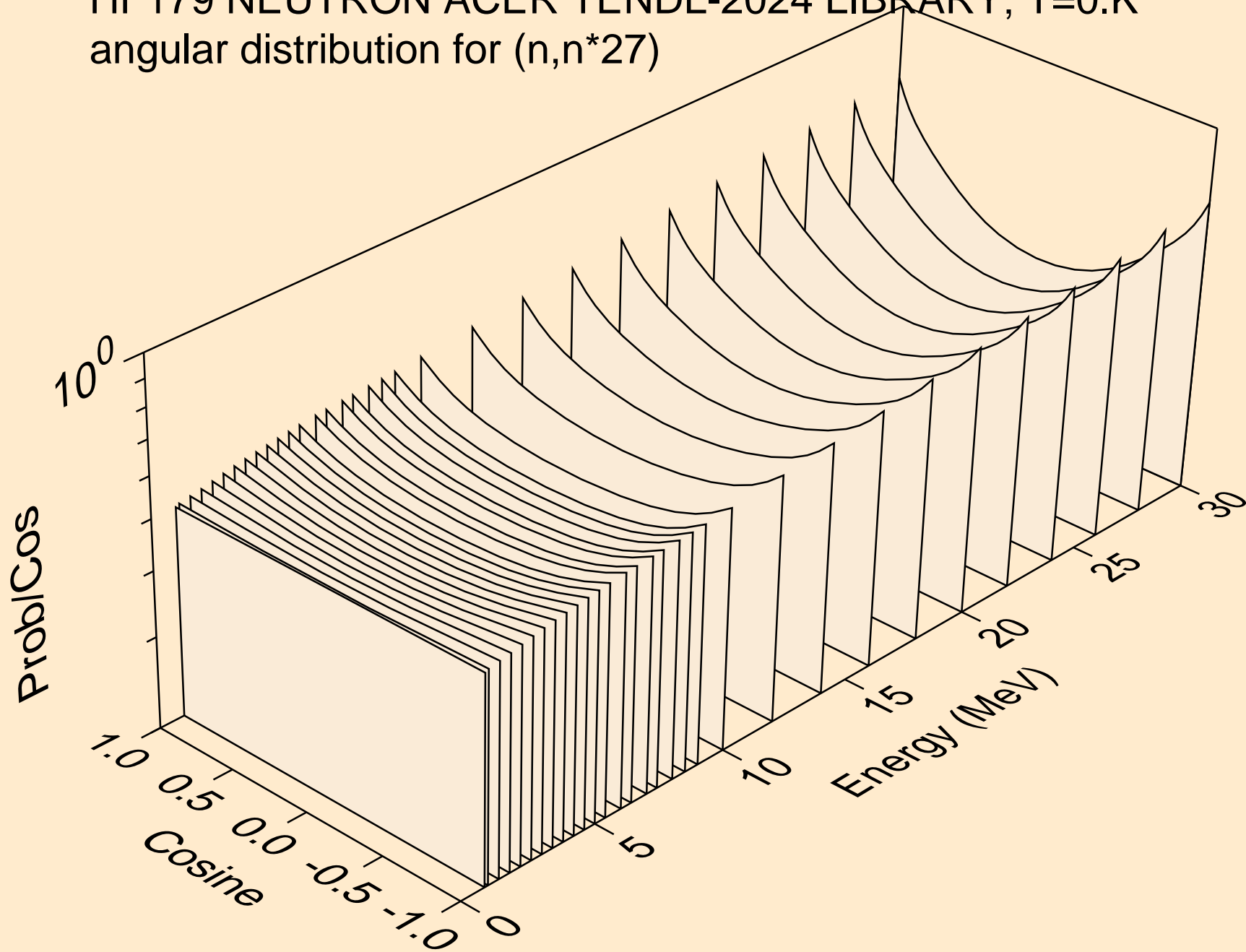
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*25)



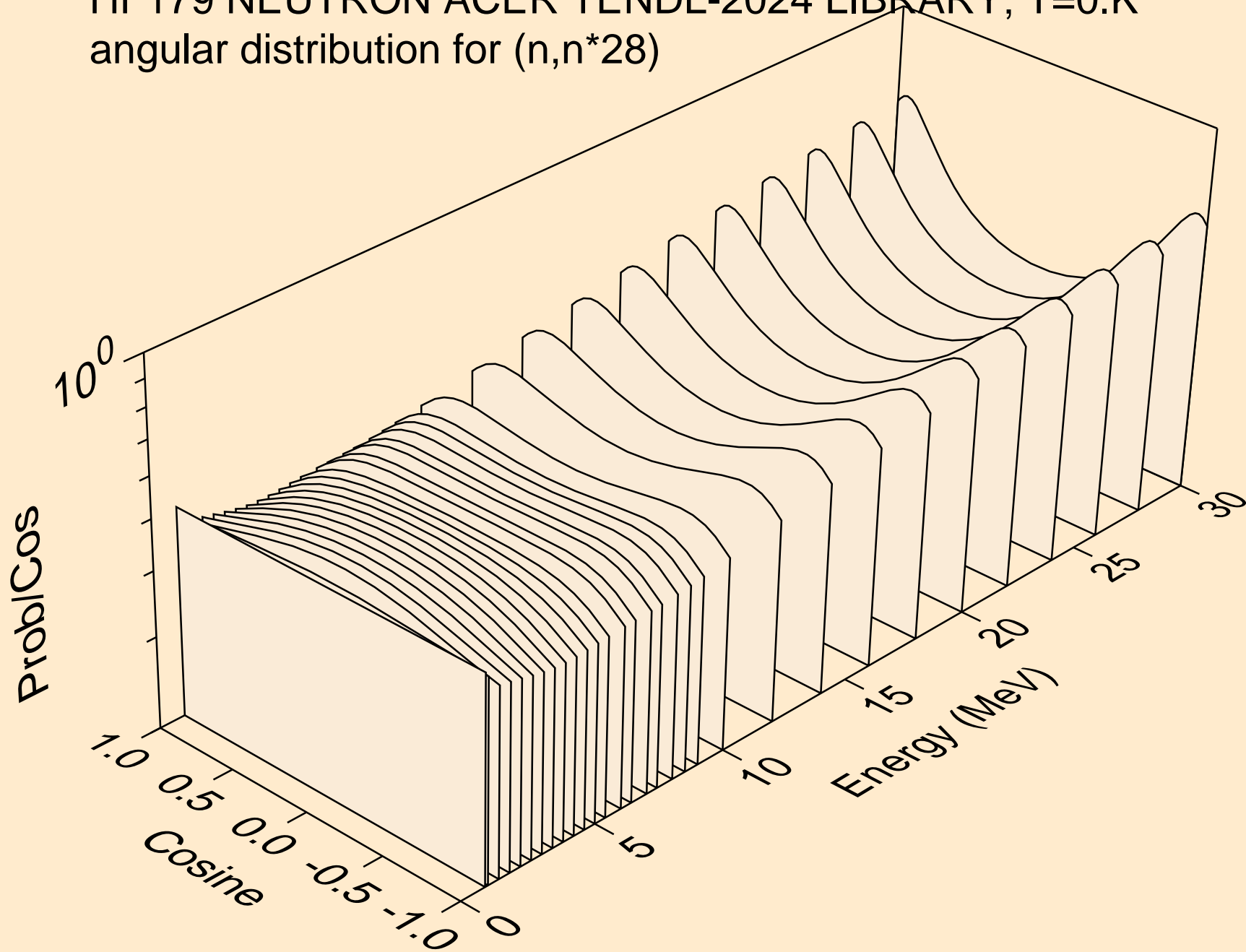
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*26)



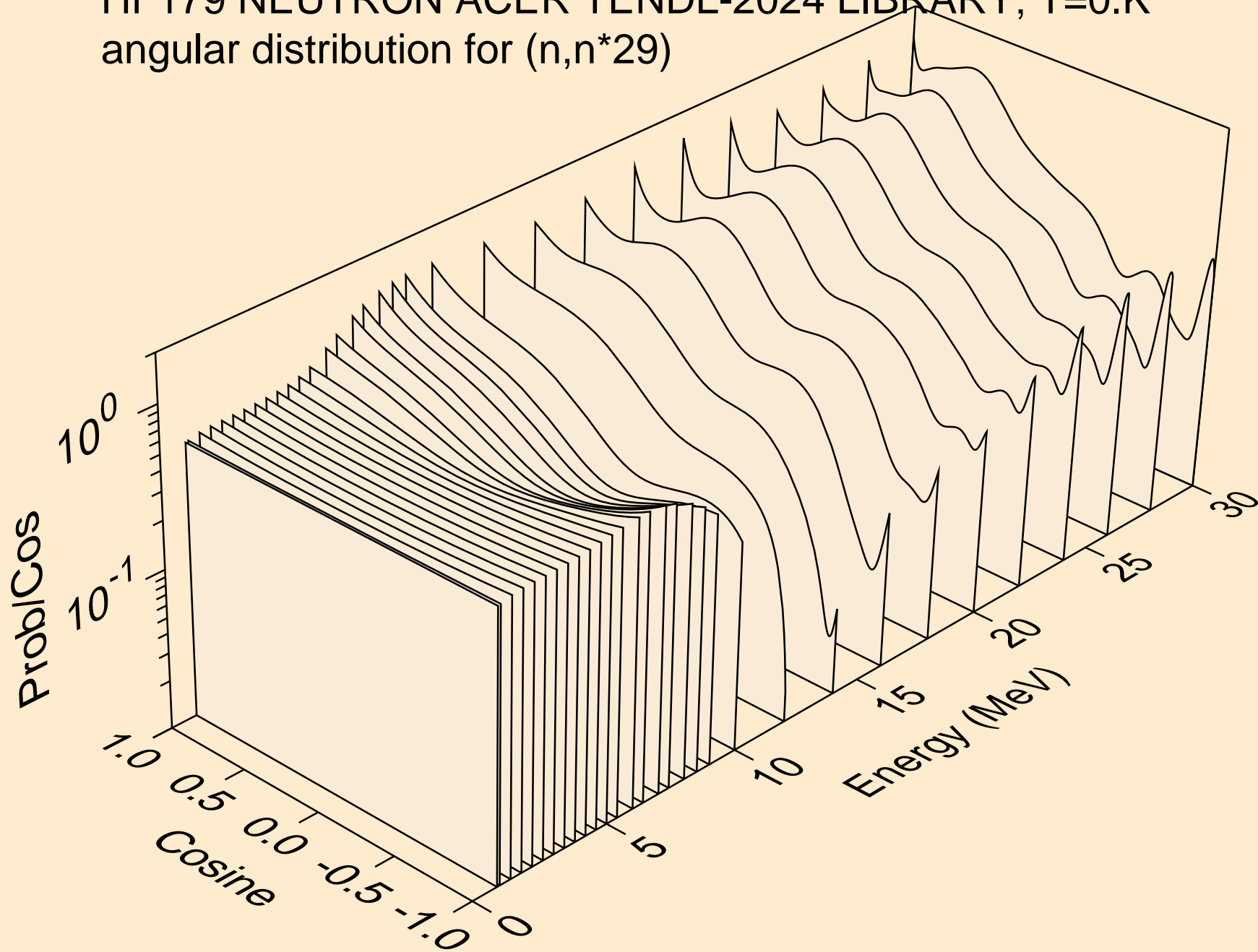
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*27)



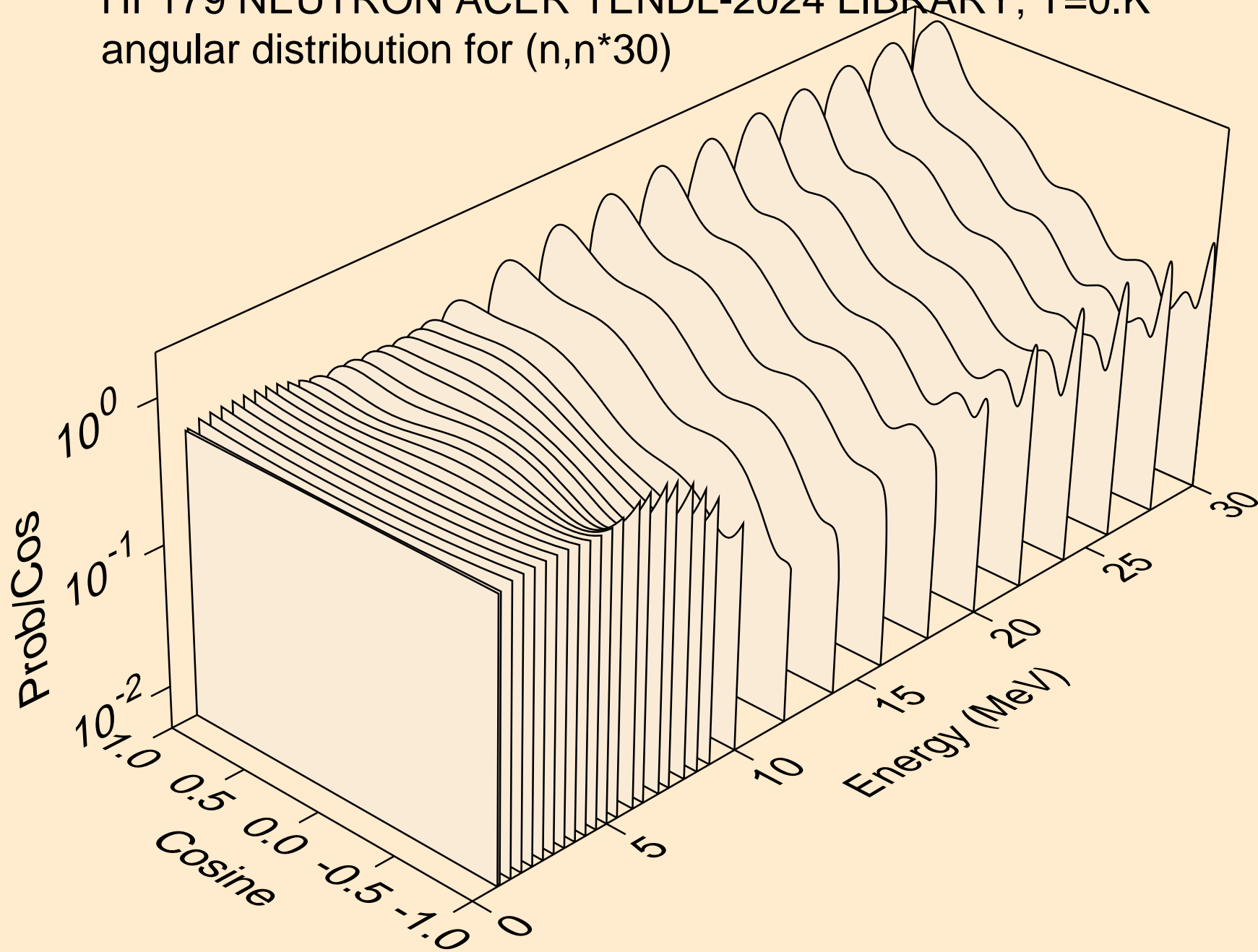
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*28)



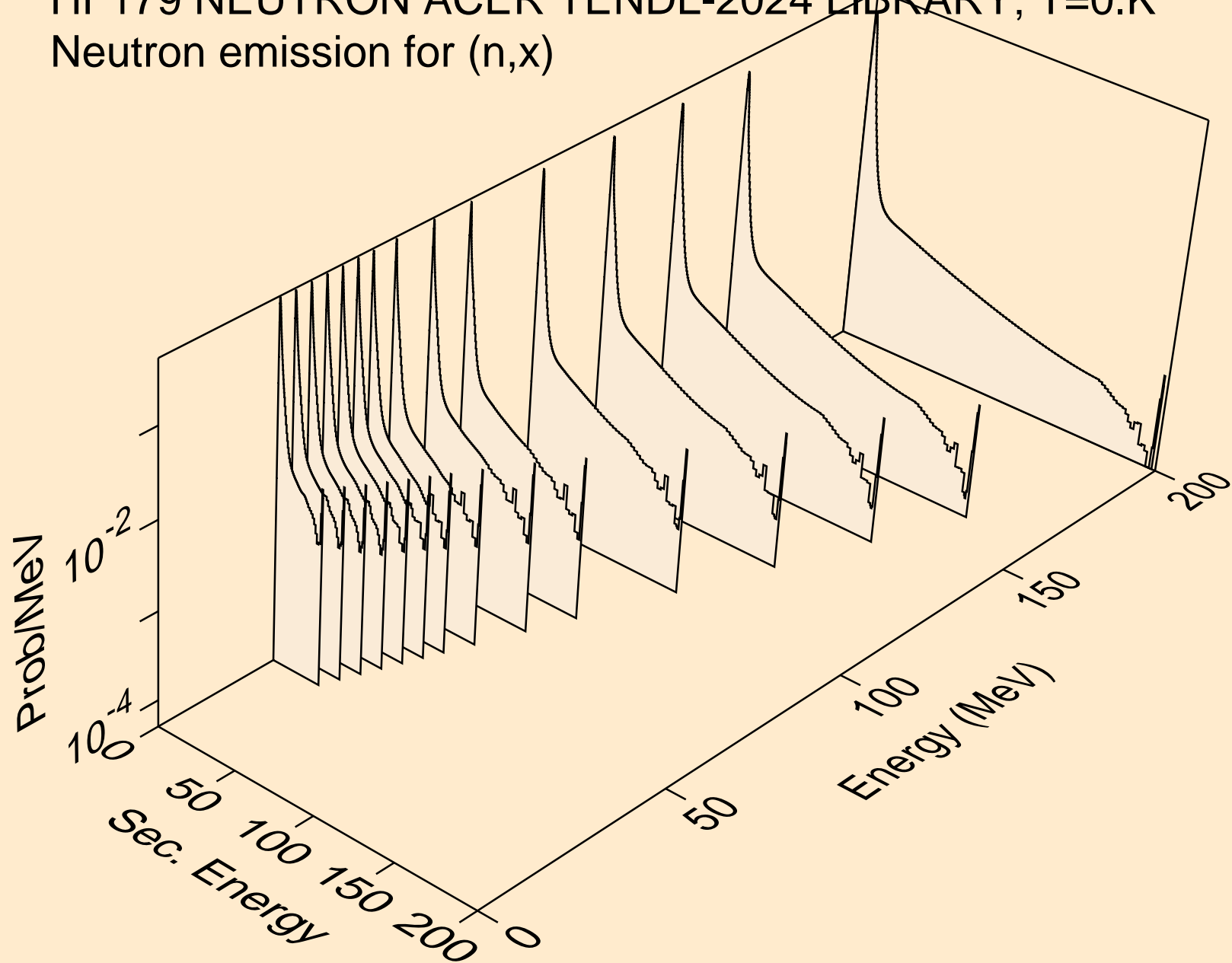
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*29)



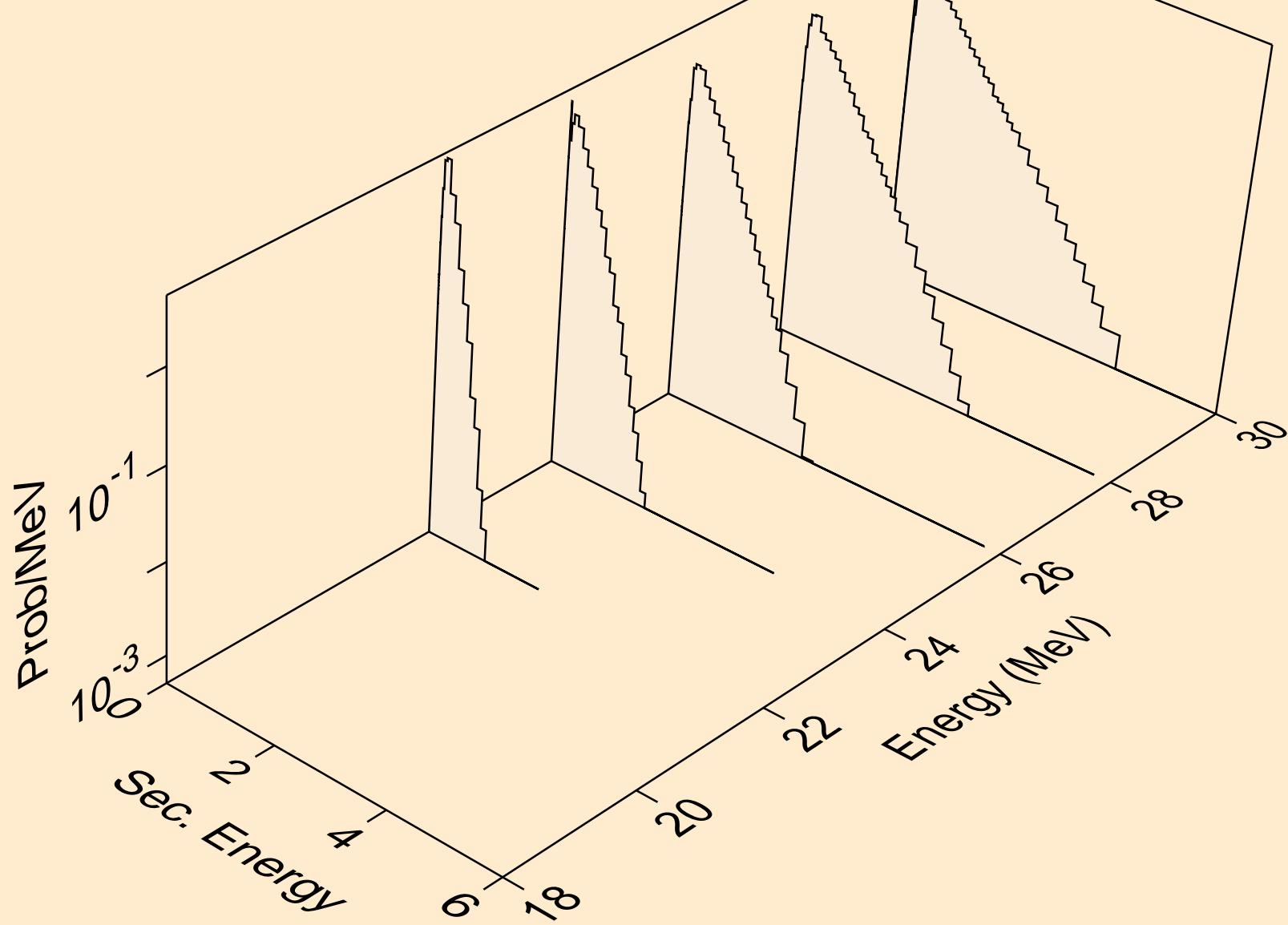
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*30)



HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,x)

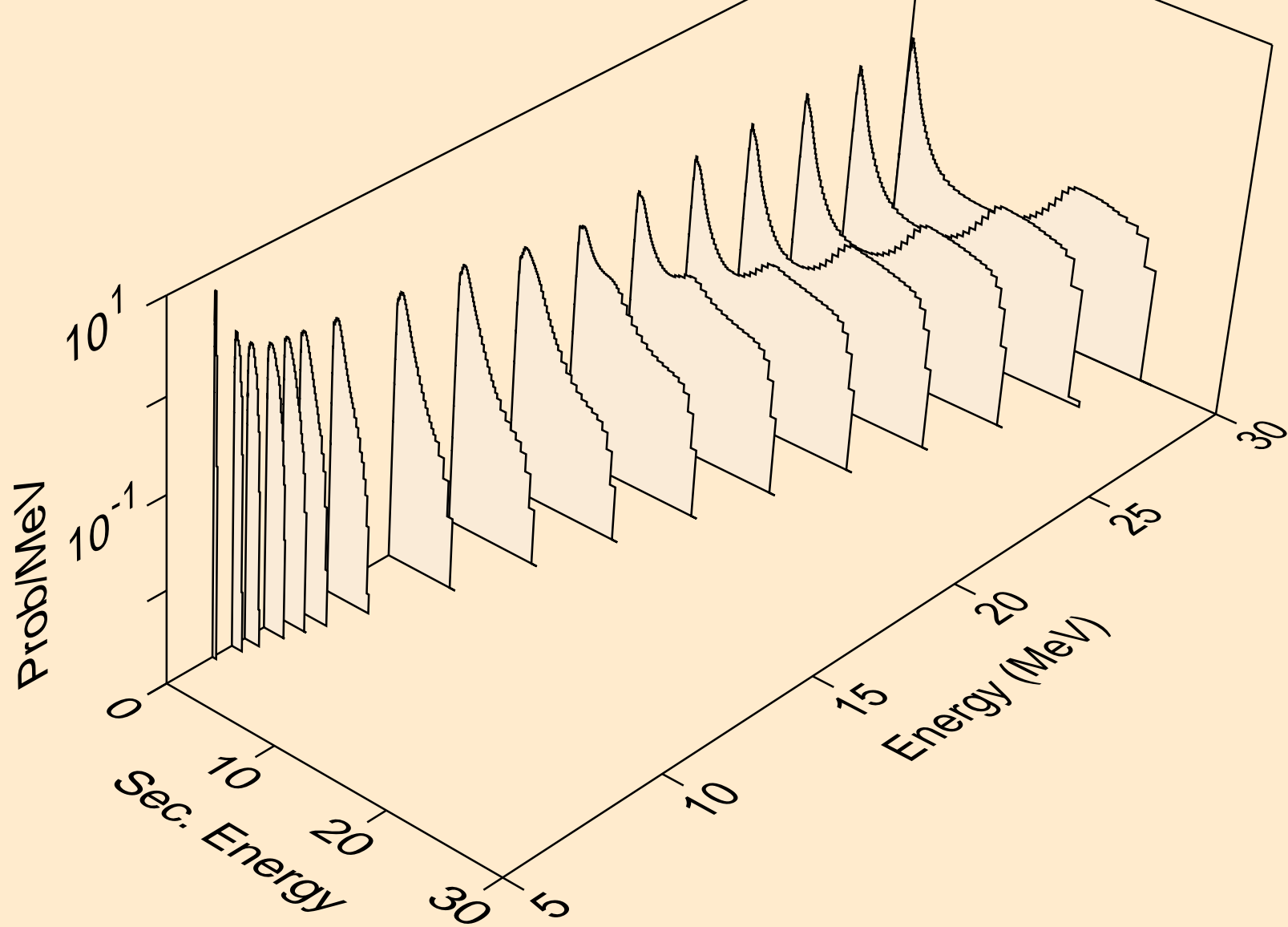


HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2nd)

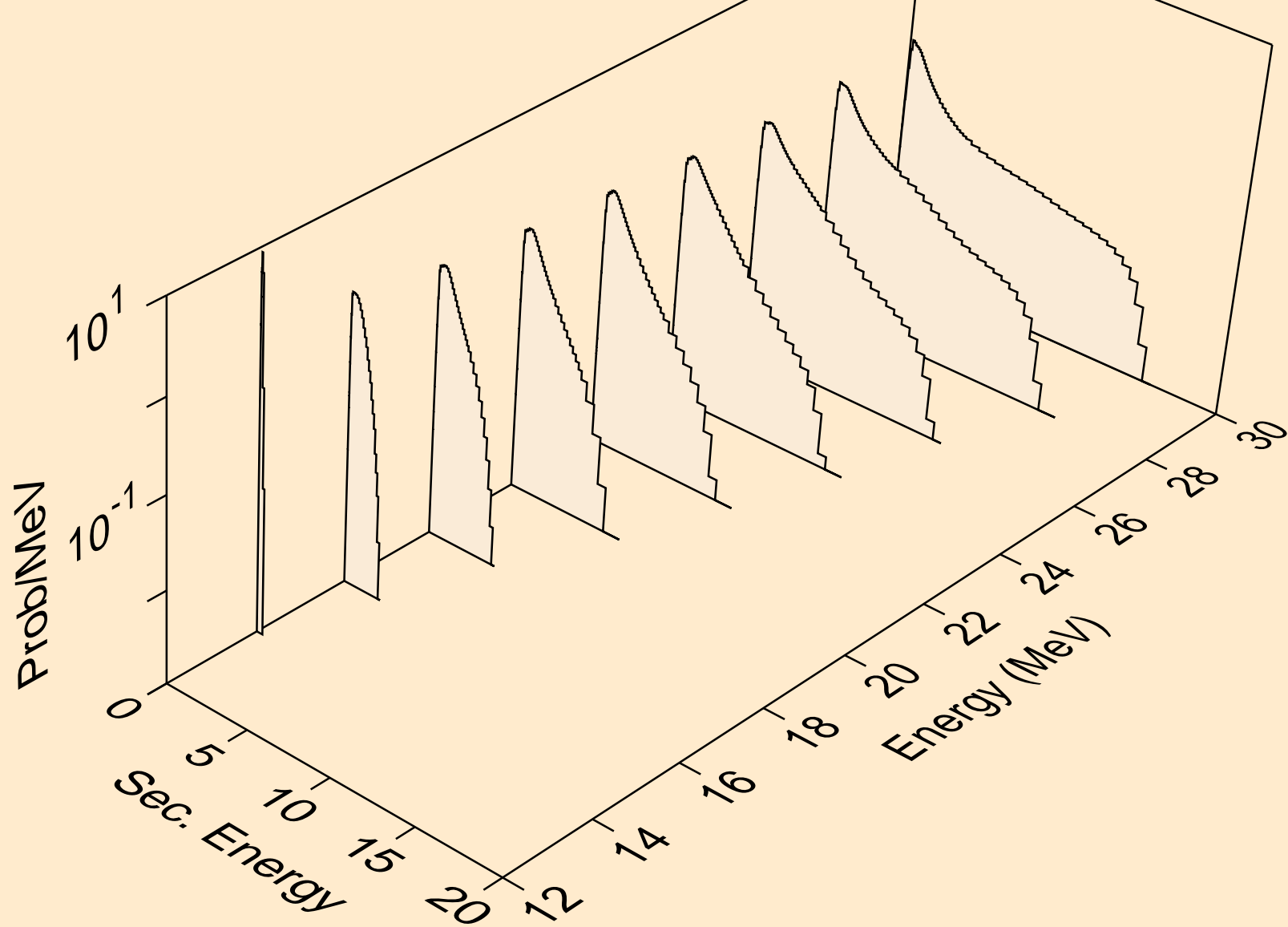




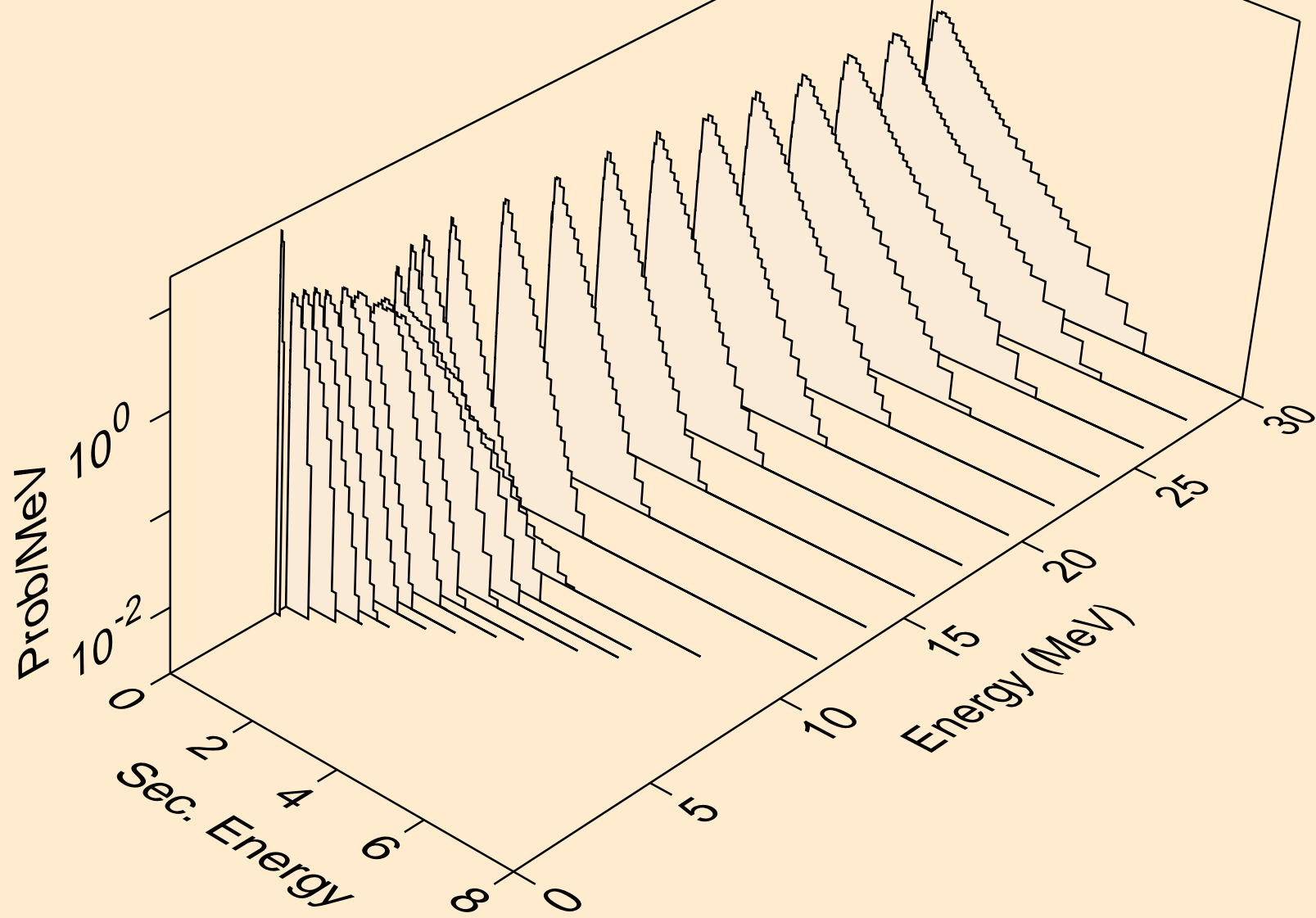
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)



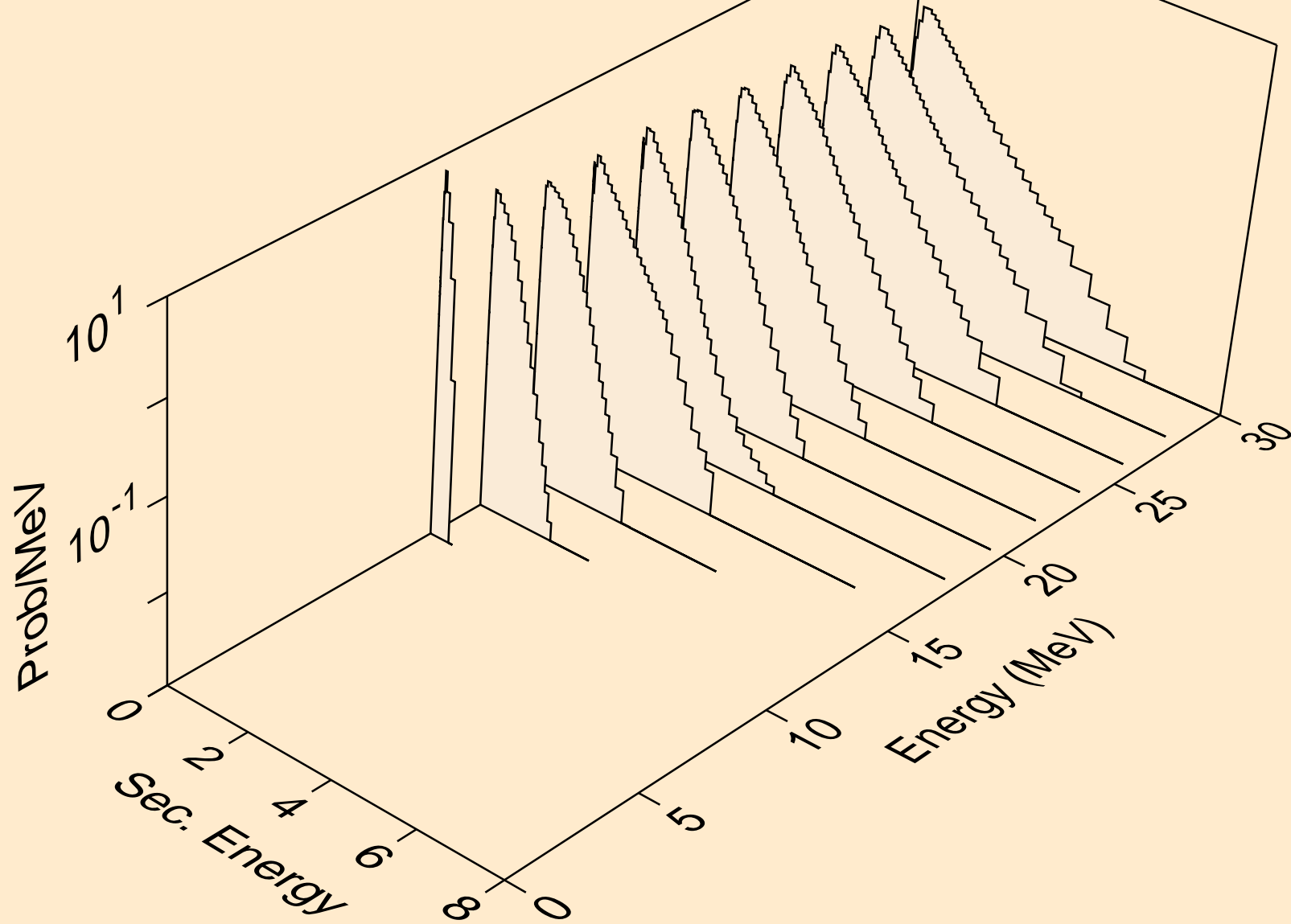
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)



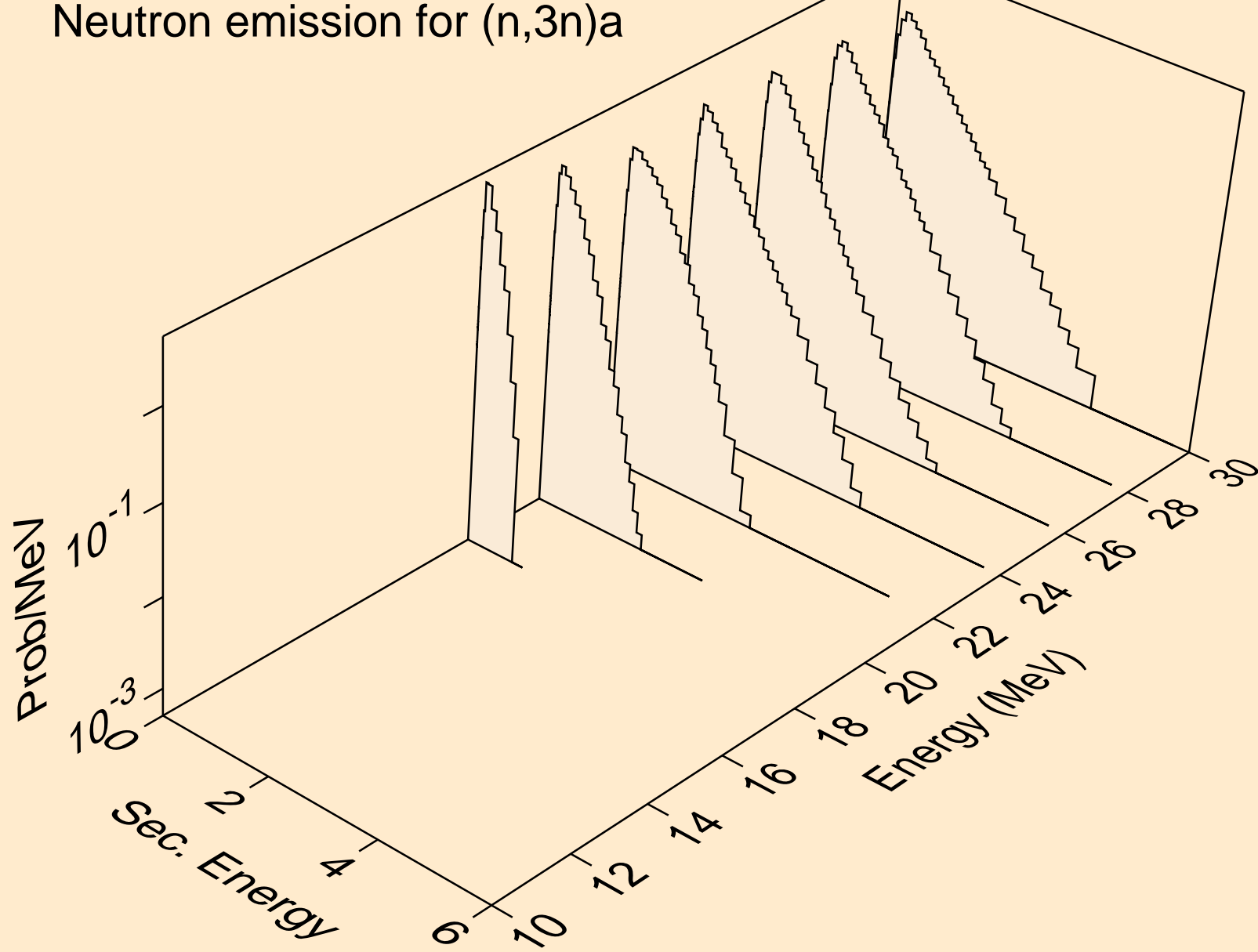
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



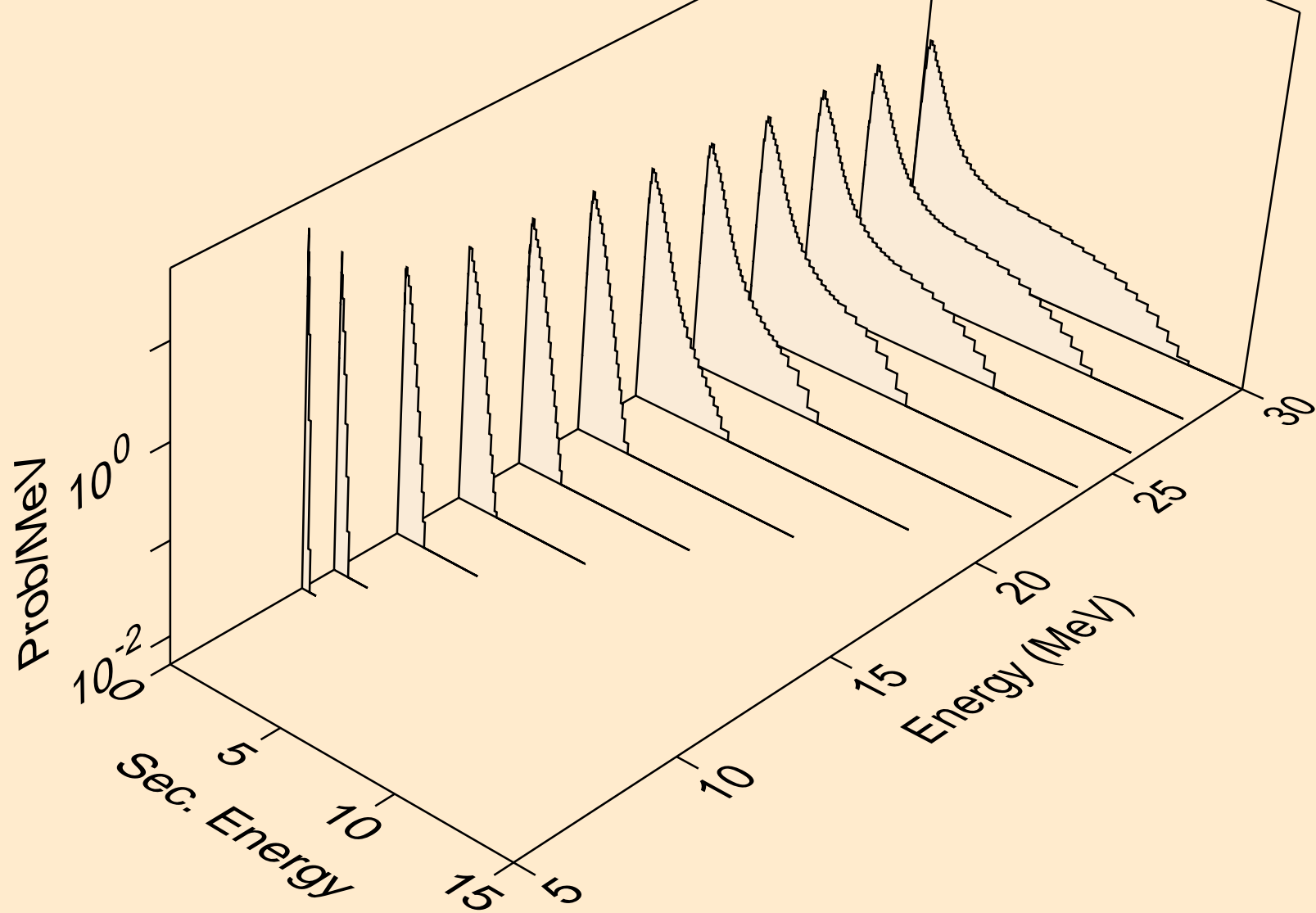
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)a



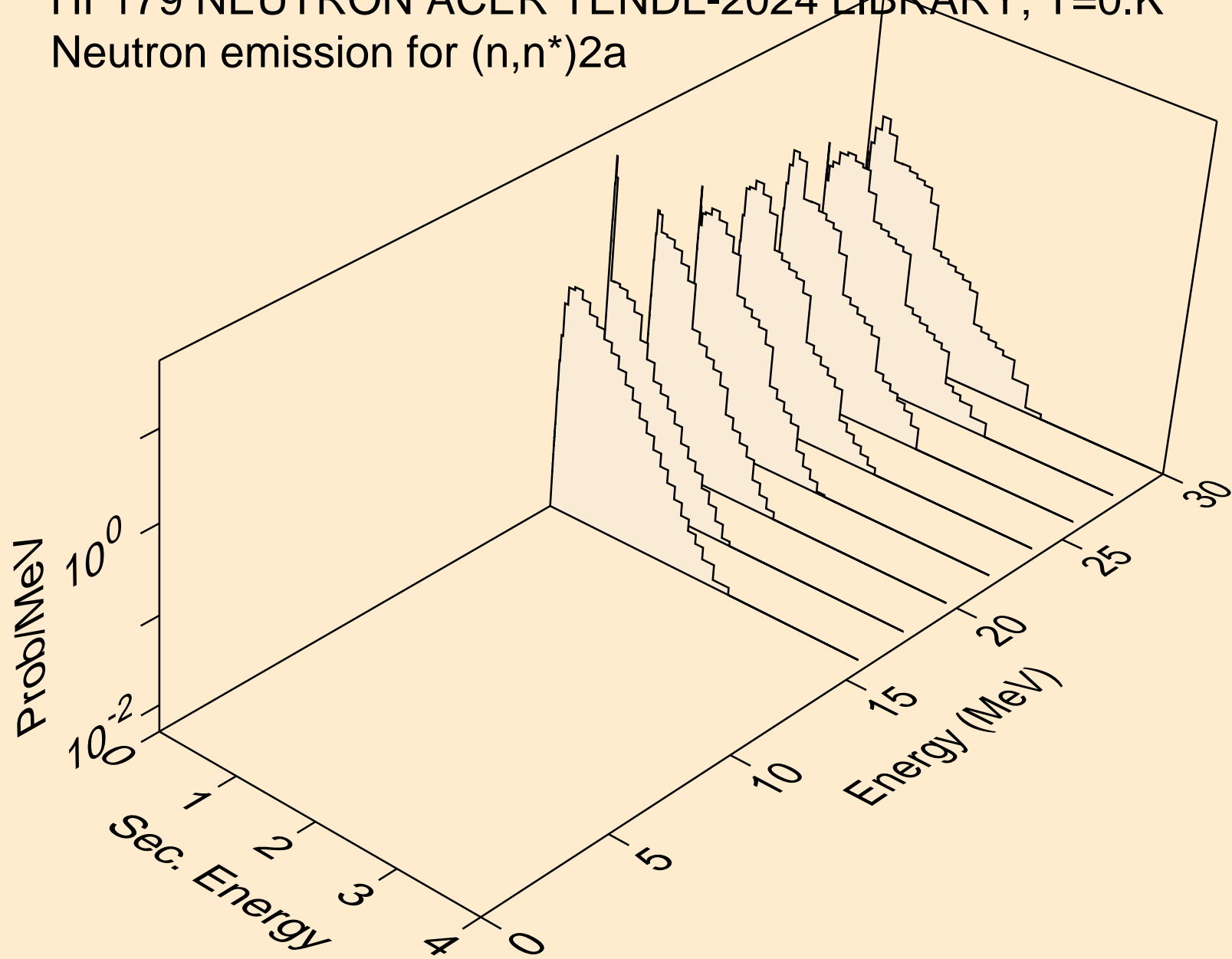
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)a



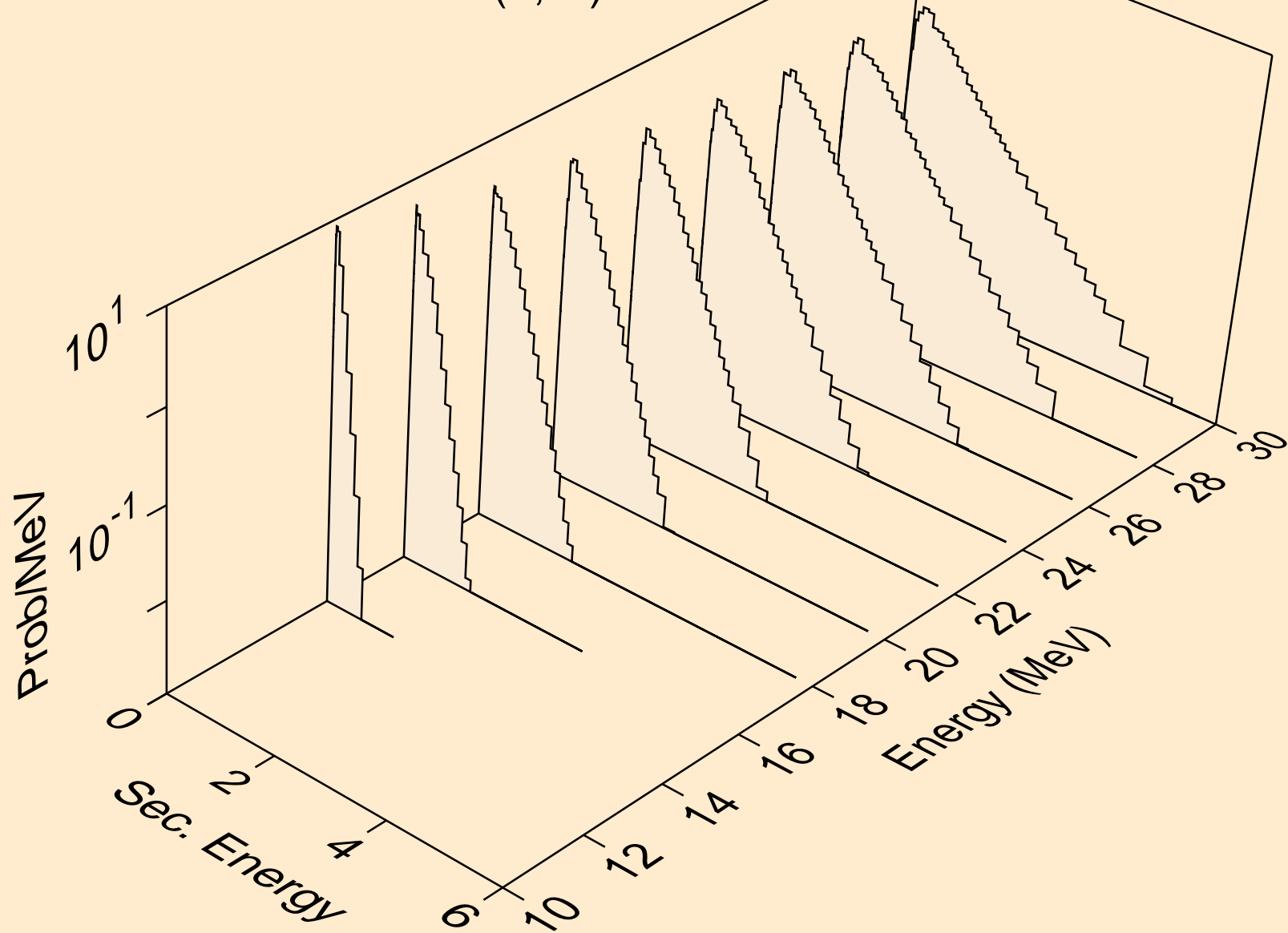
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)2a

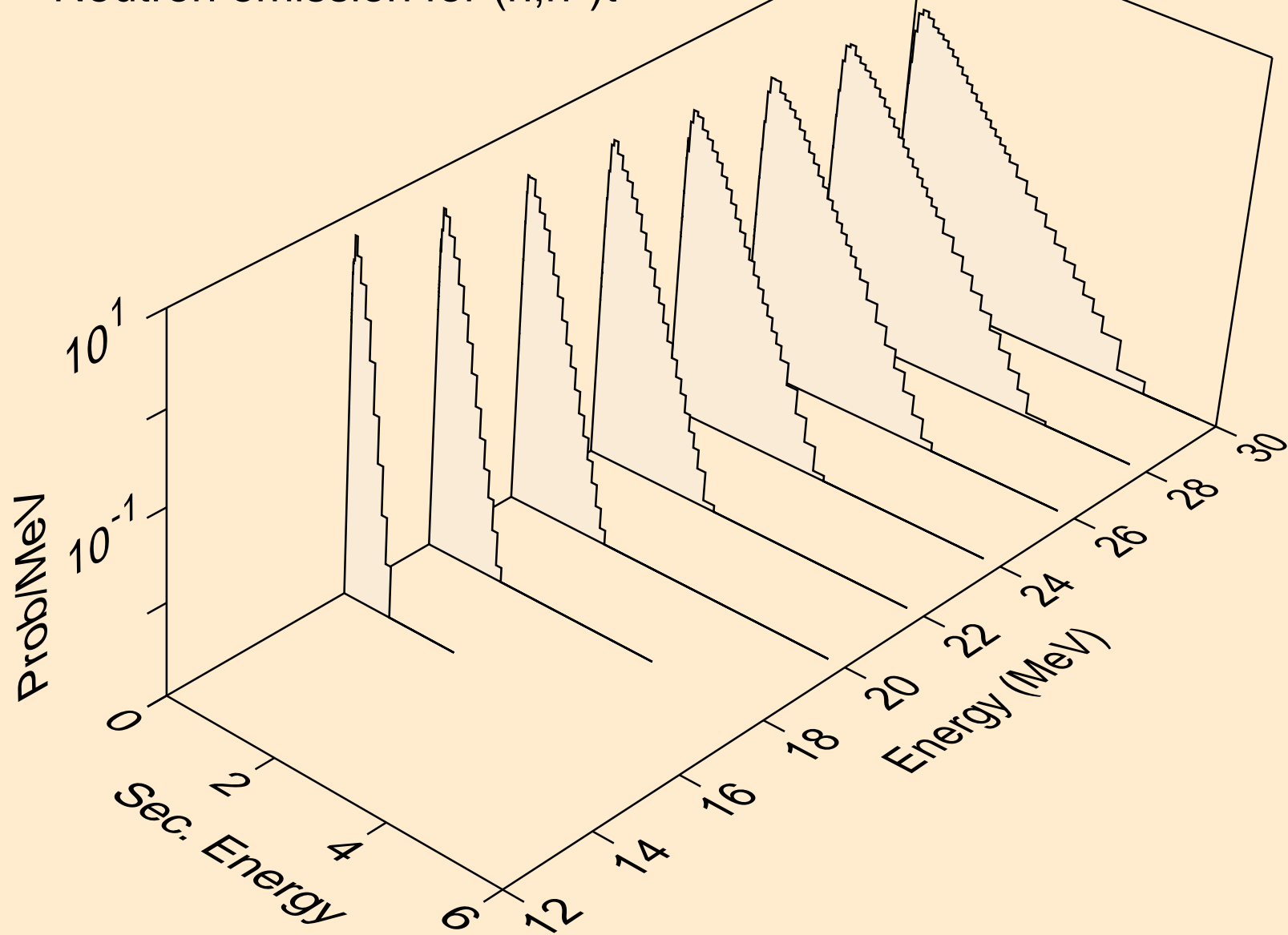


HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d

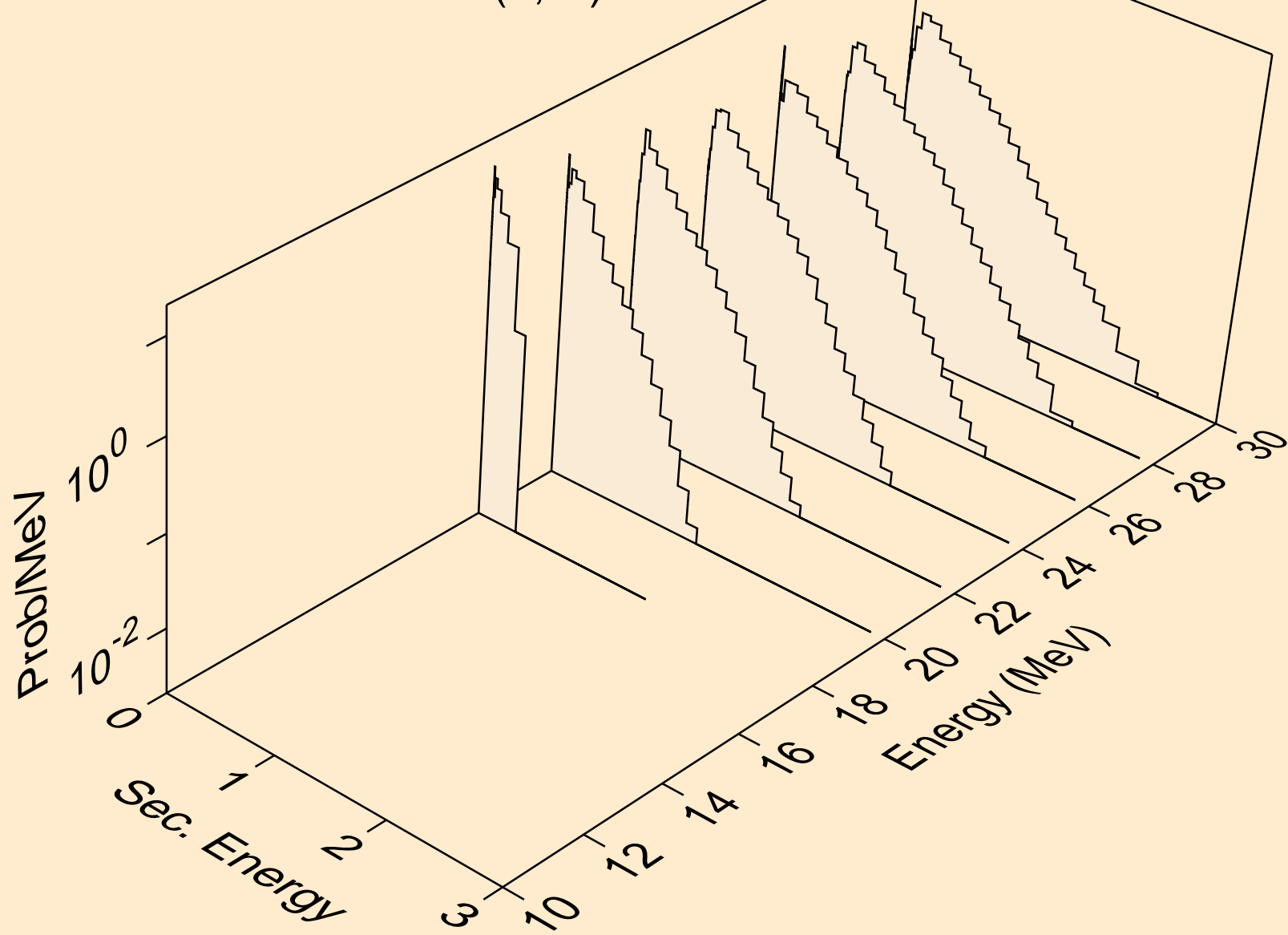




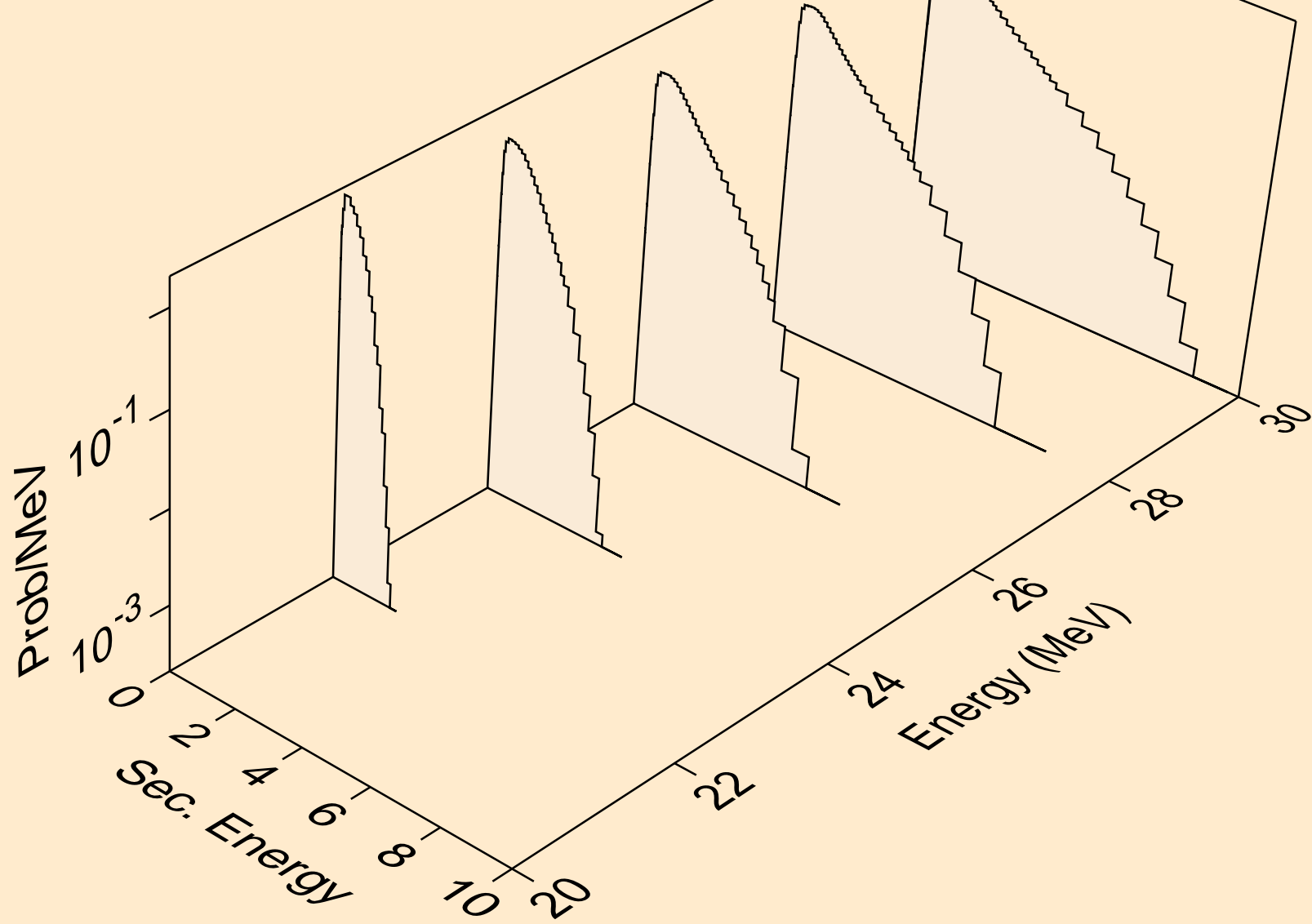
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



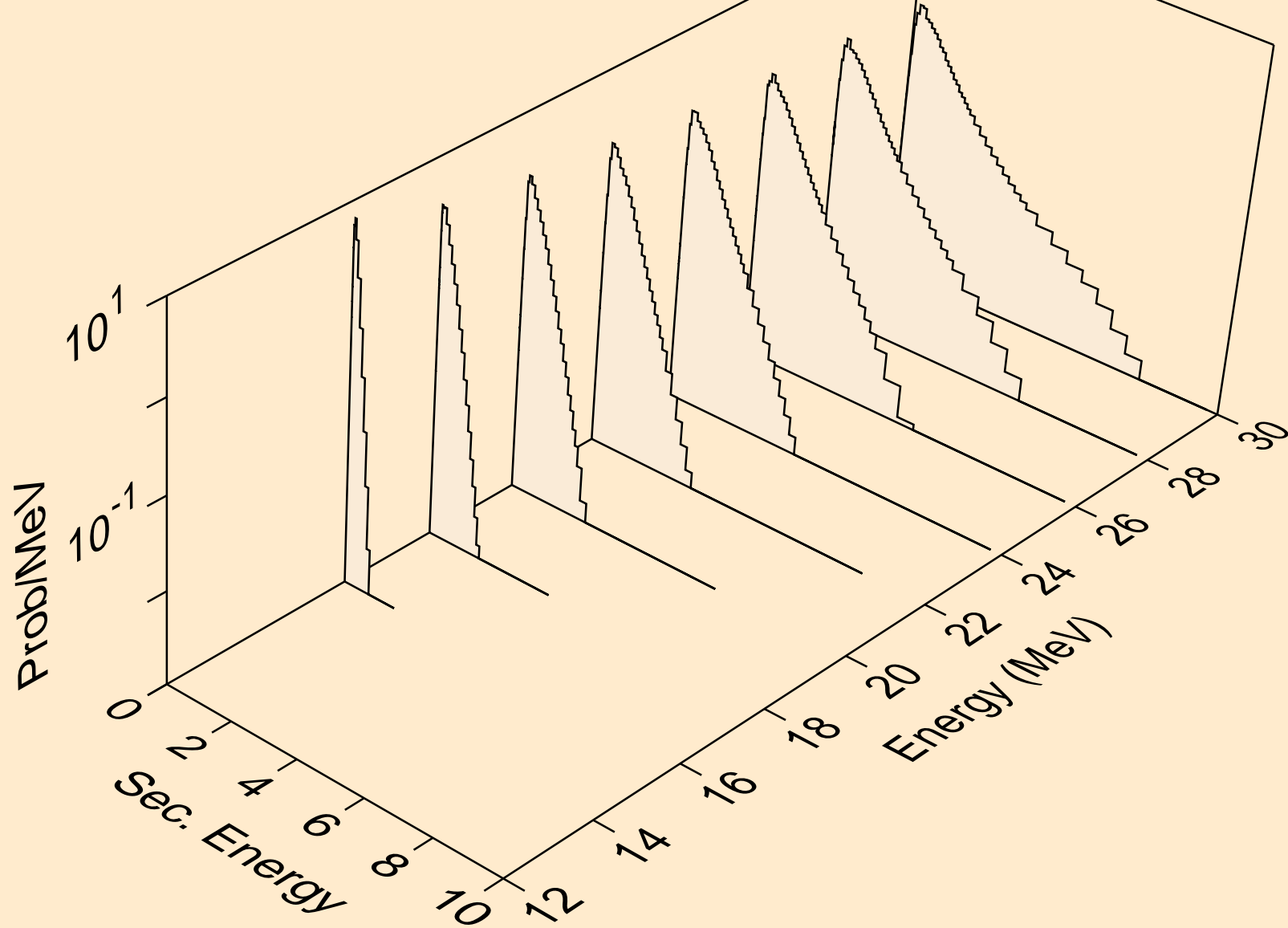
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



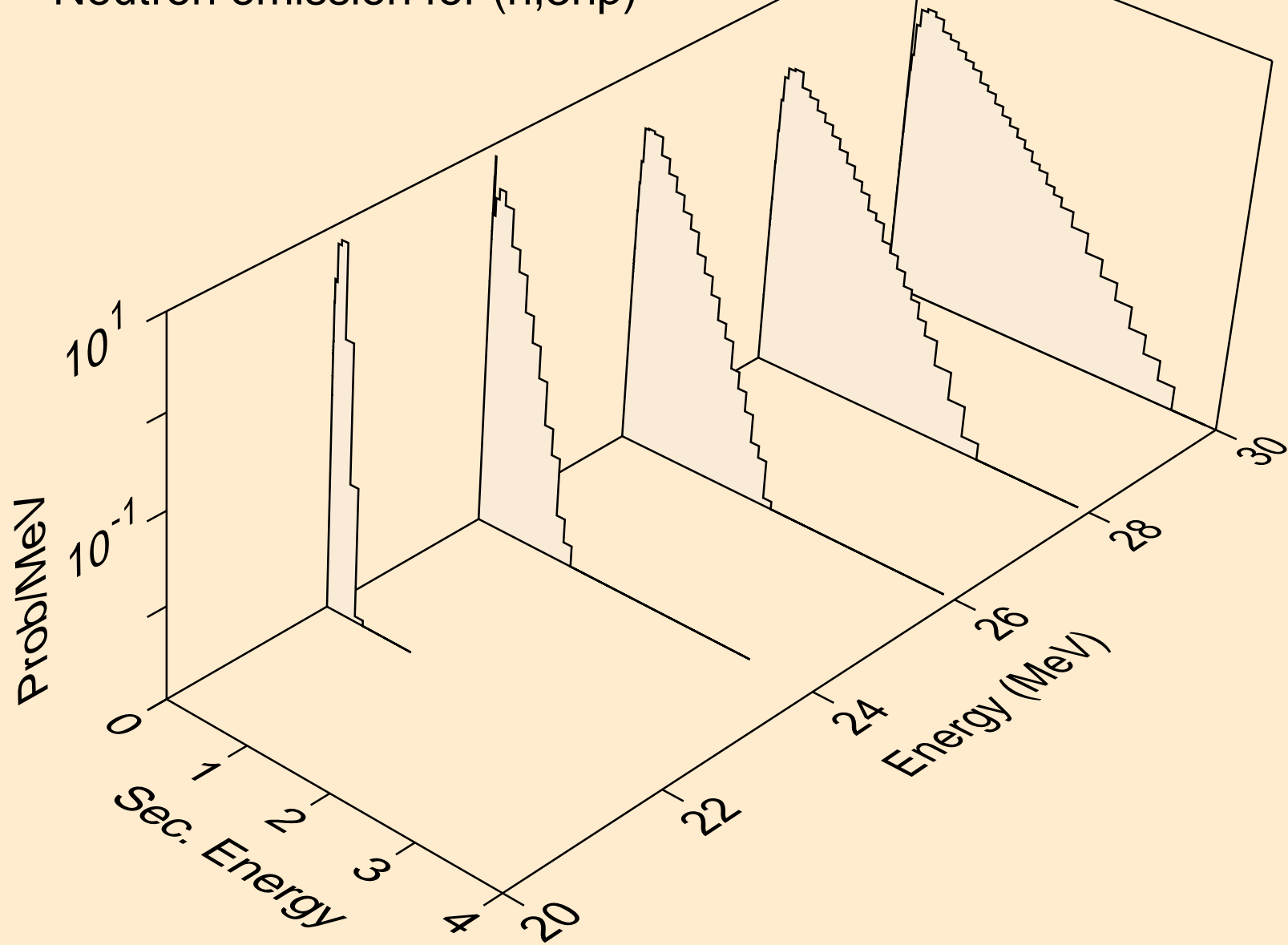
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,4n)



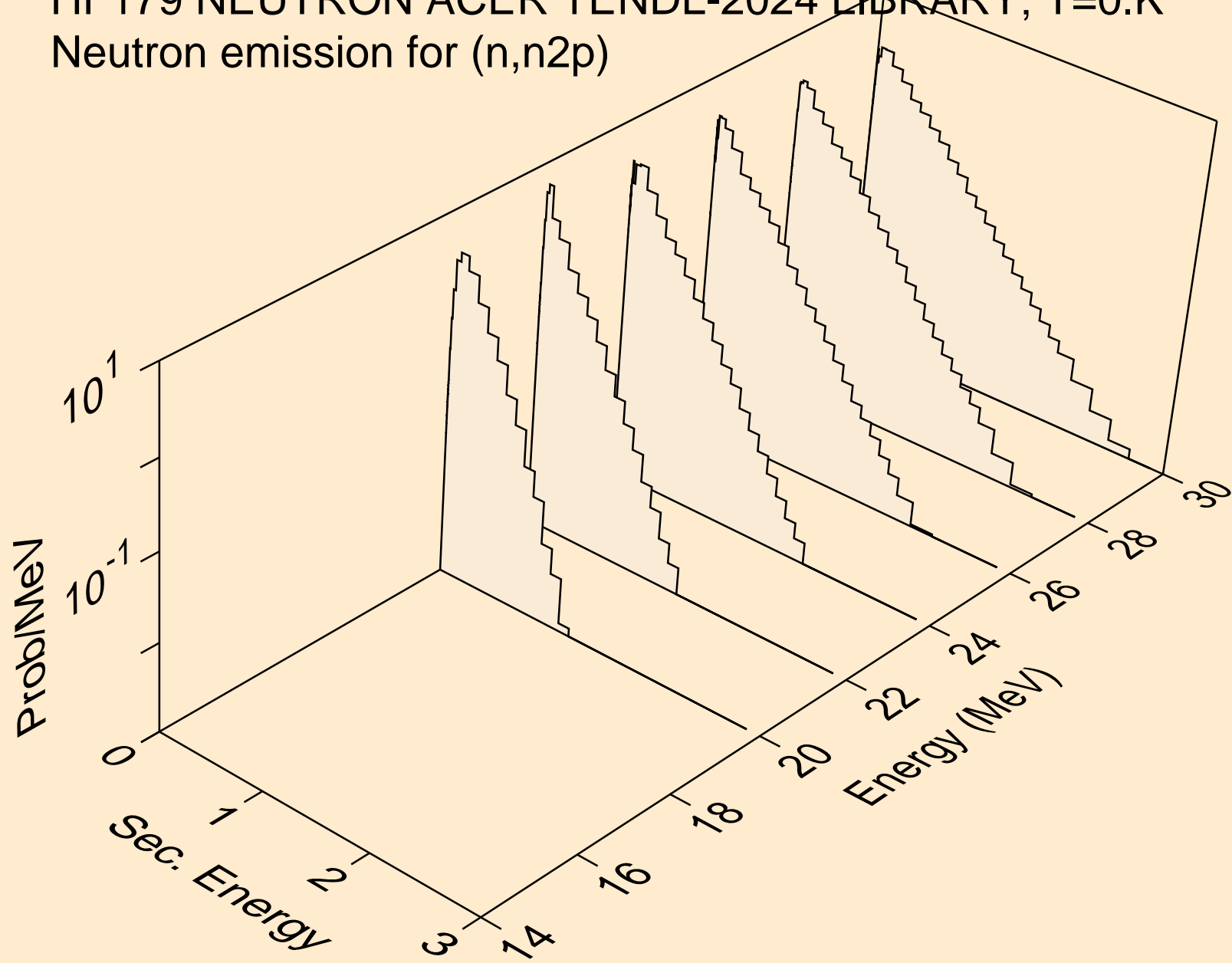
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2np)



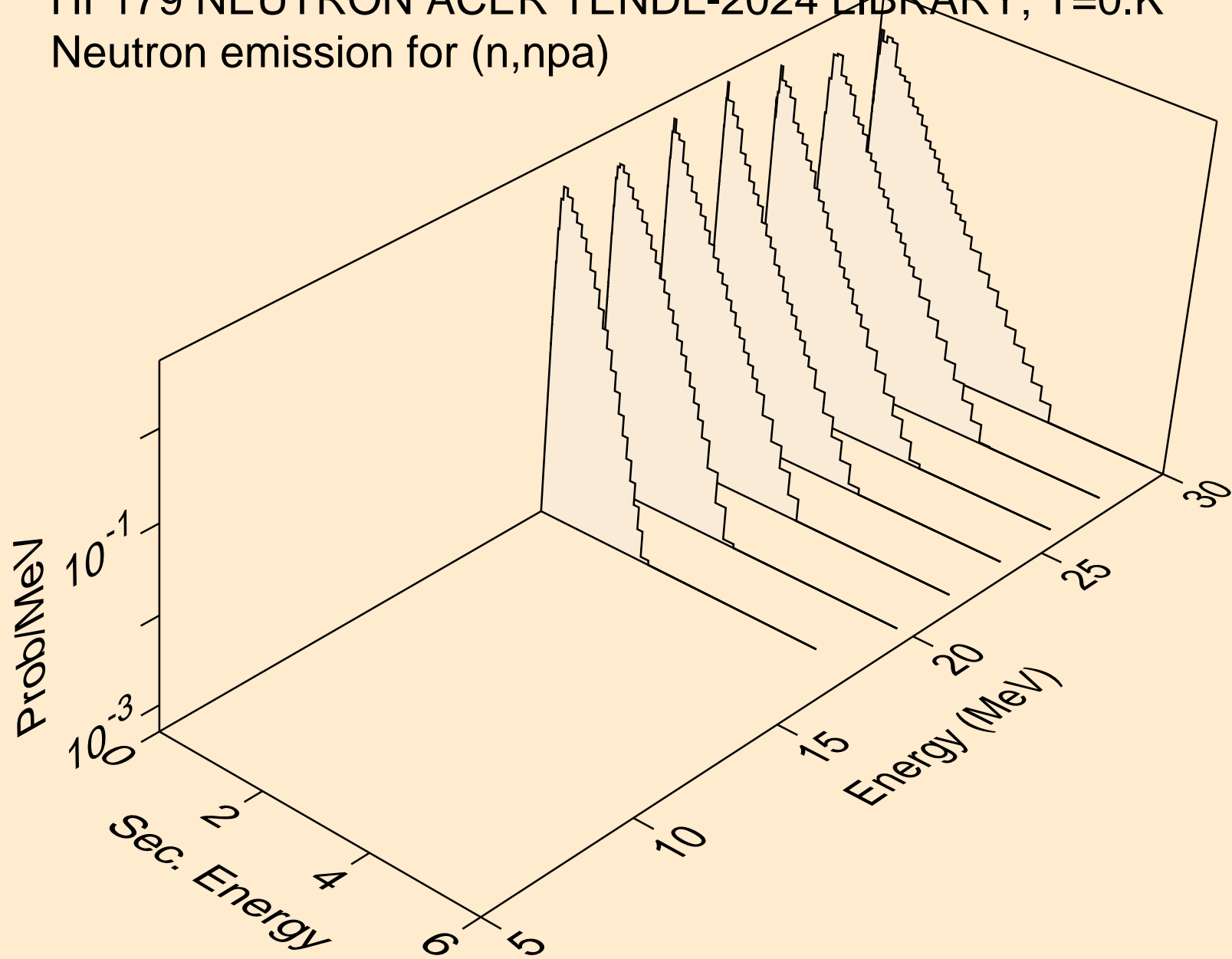
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3np)



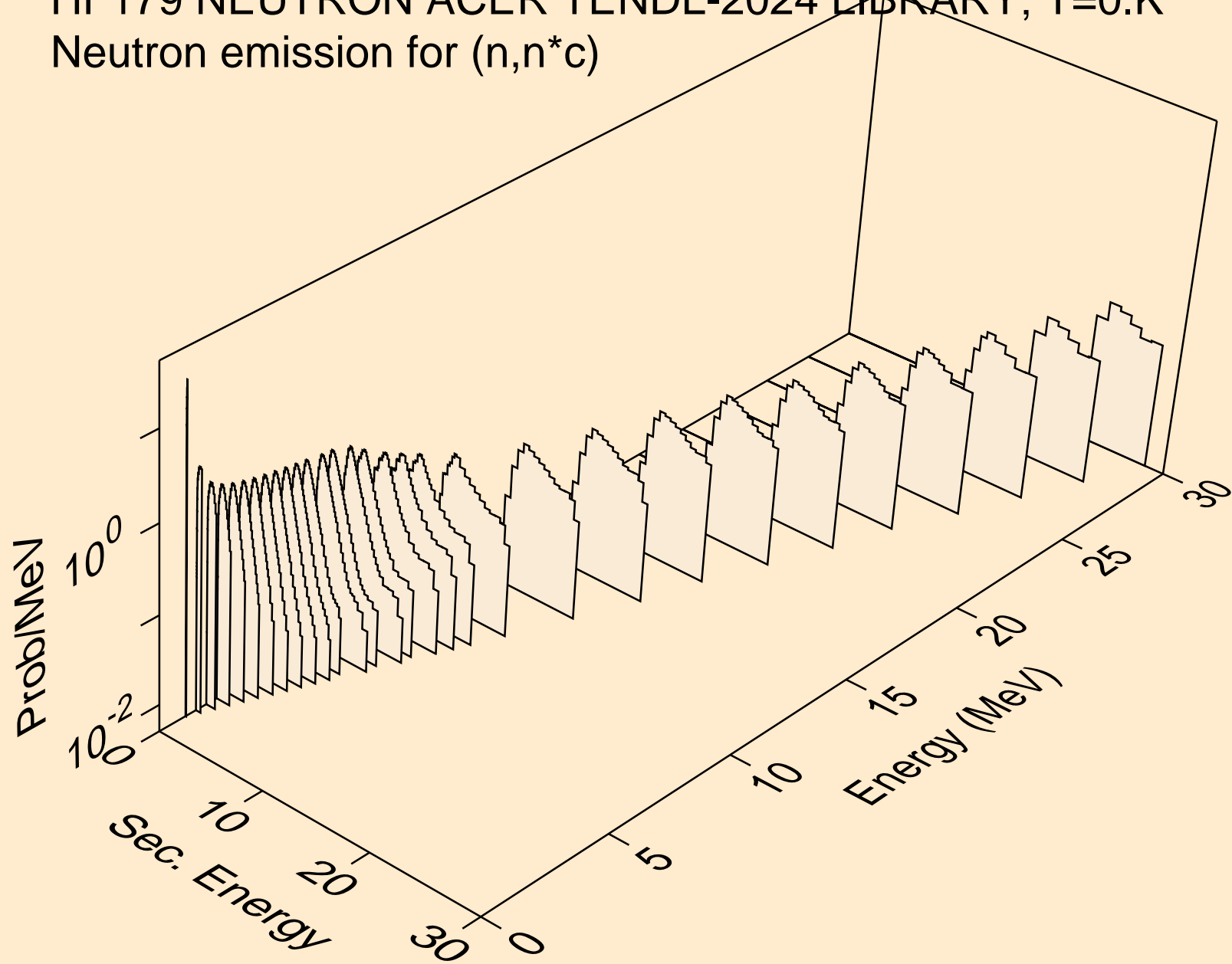
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n2p)



HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,npa)

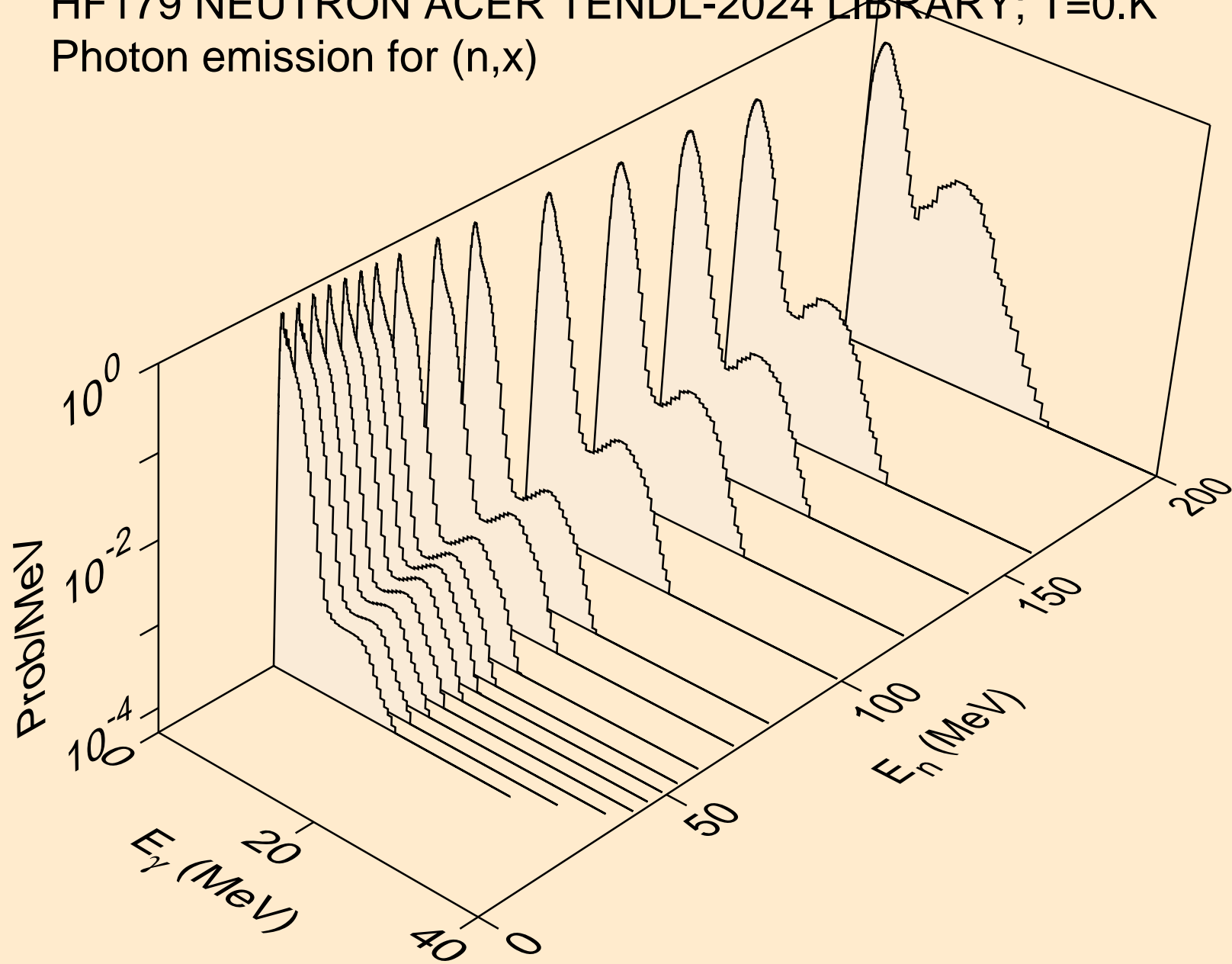


HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)

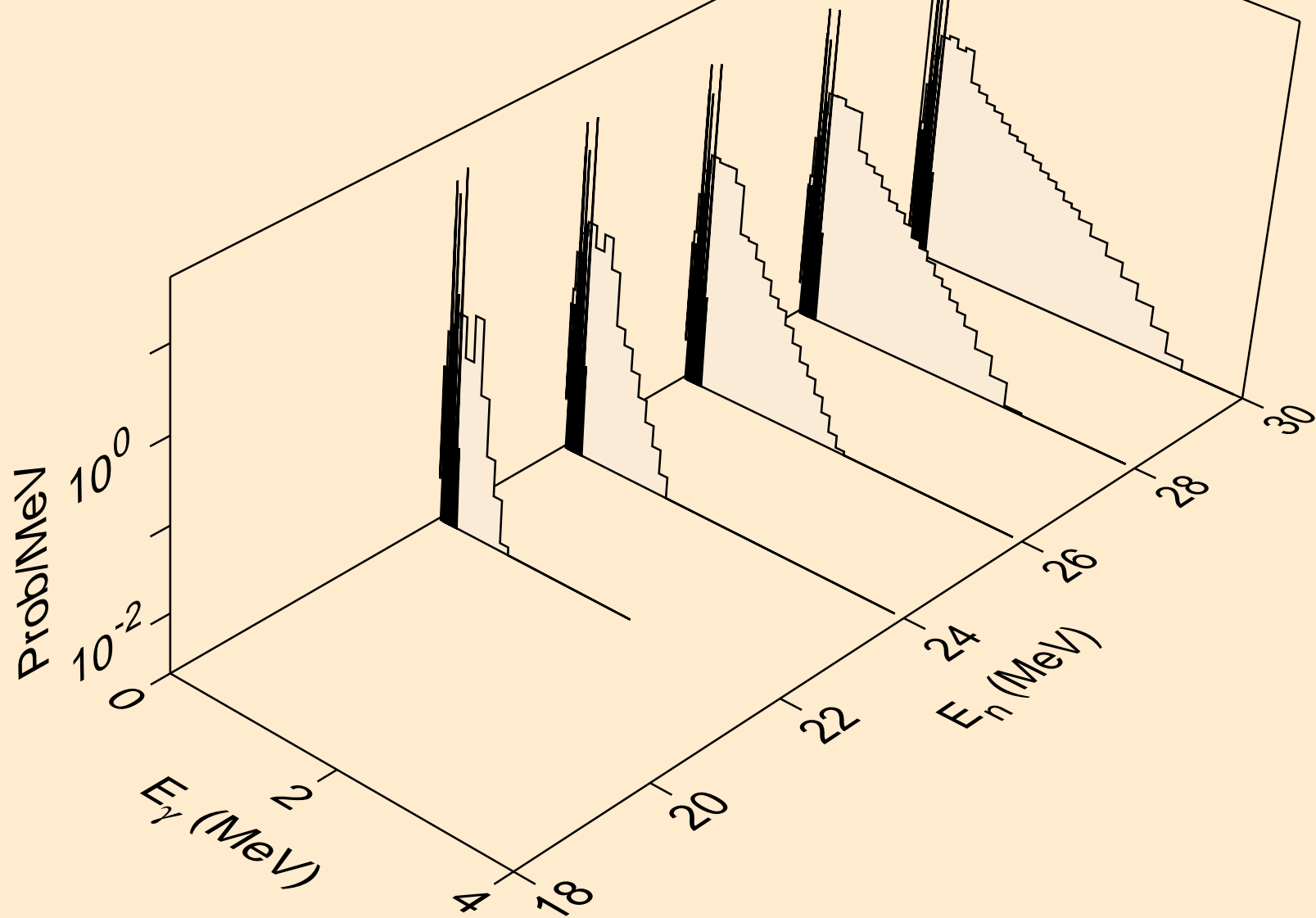




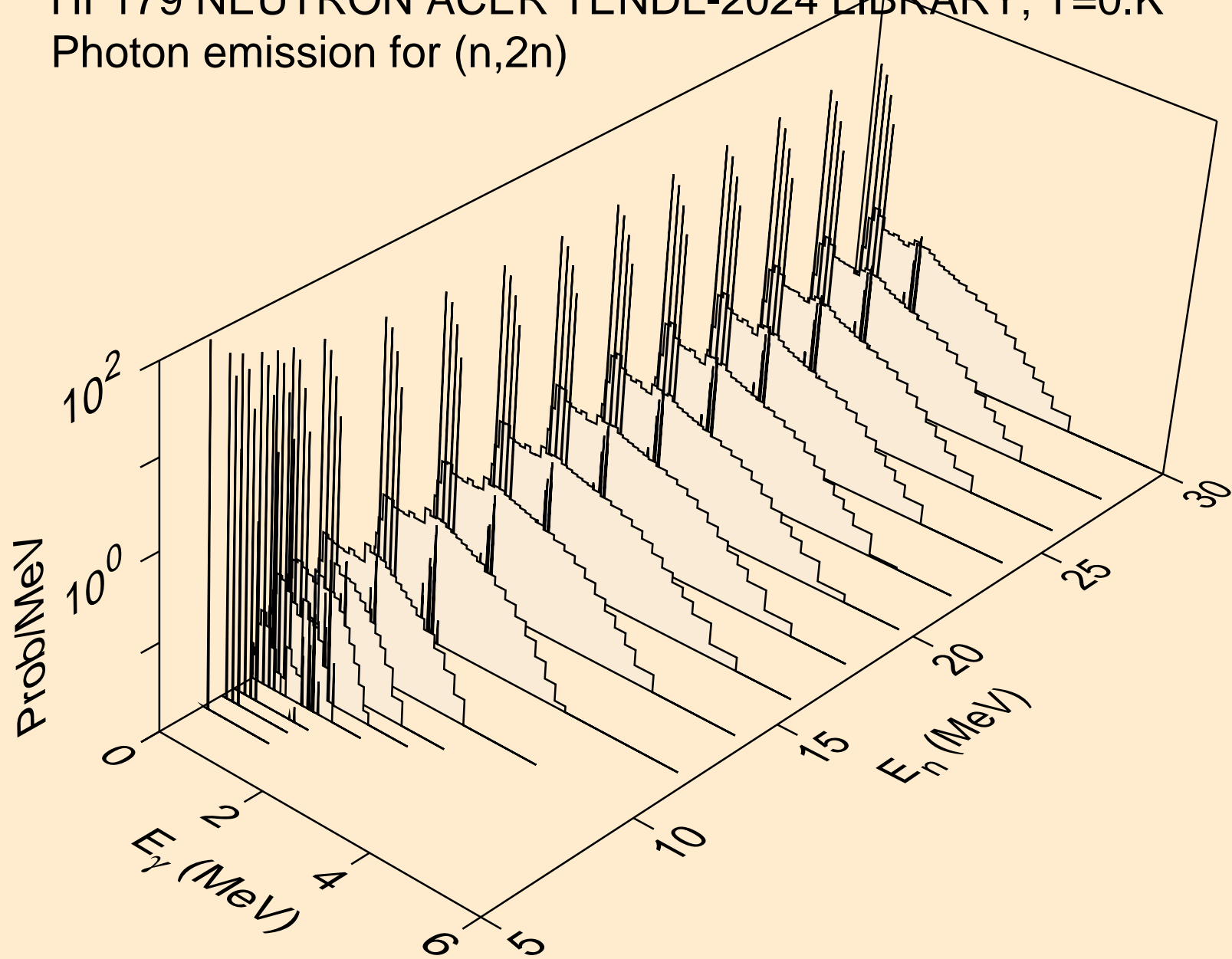
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,x)



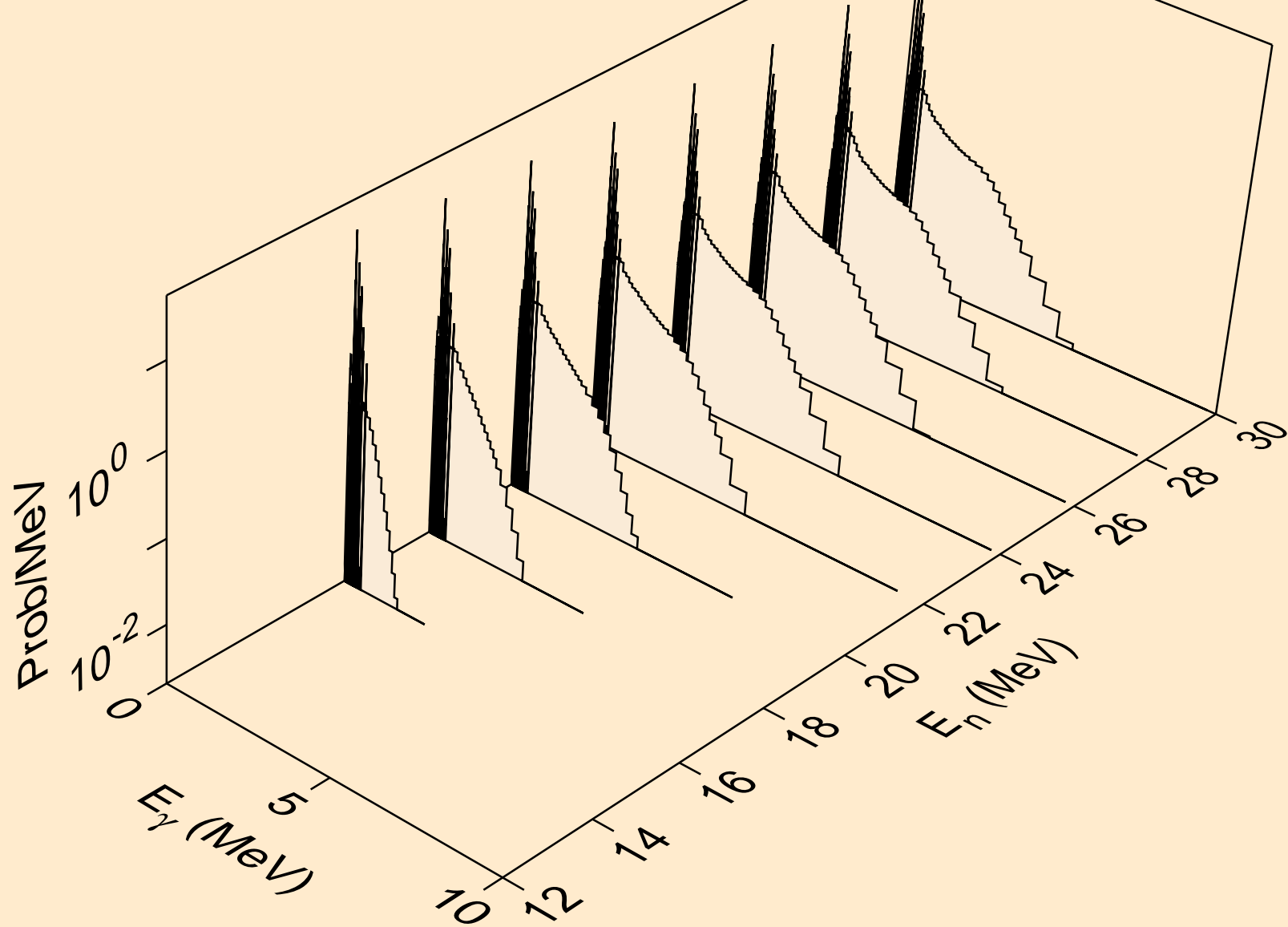
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2nd)



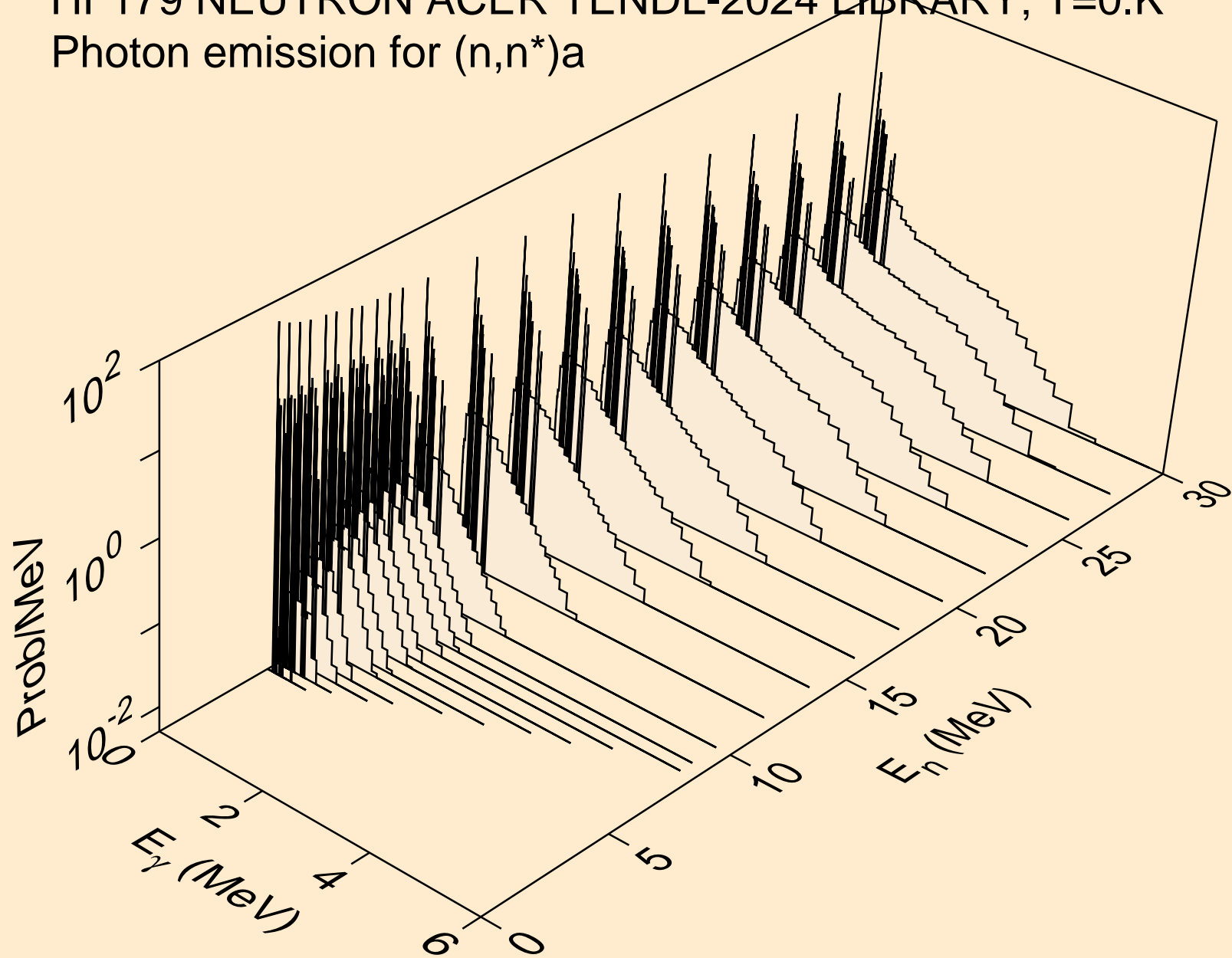
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)



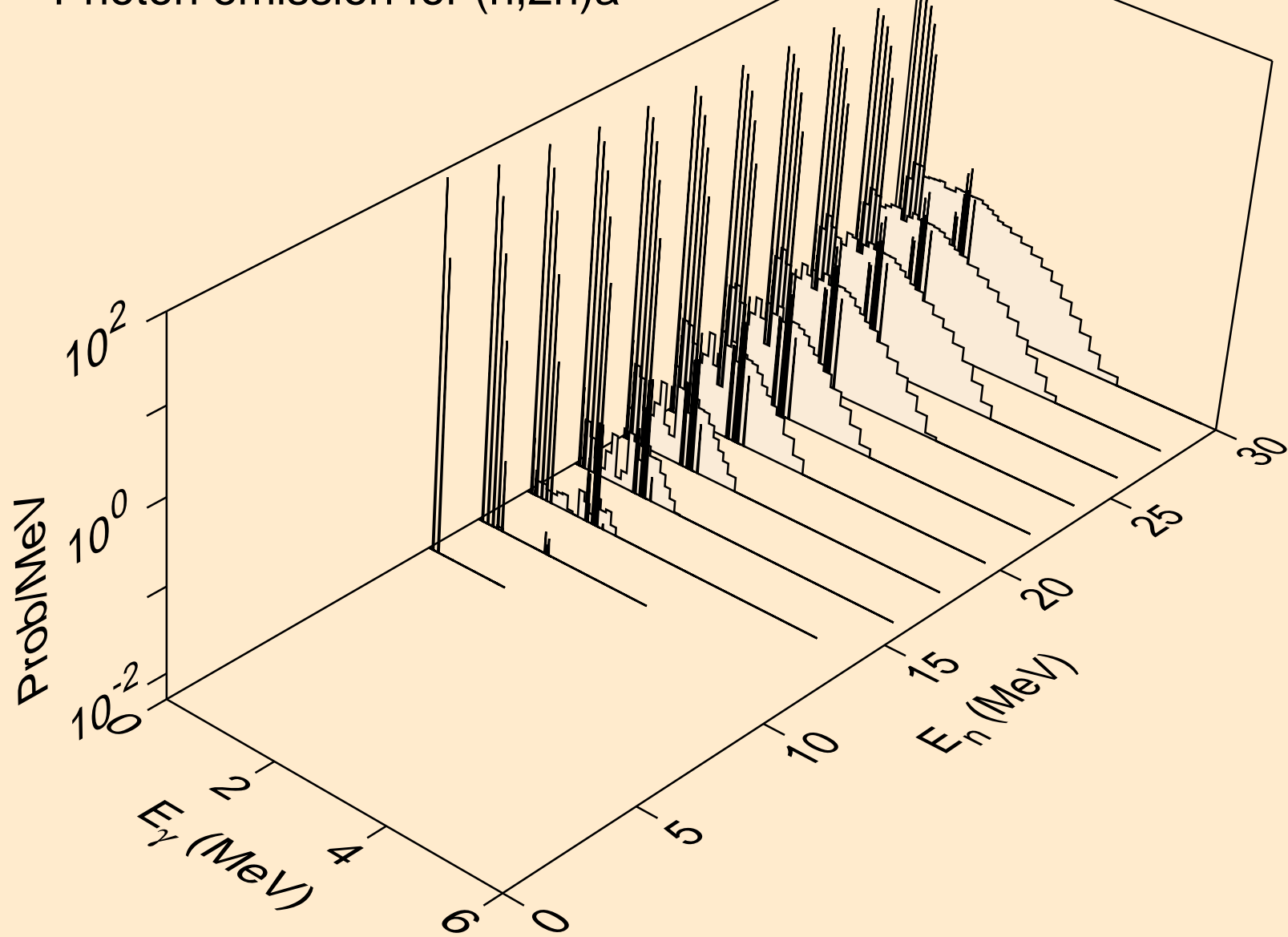
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)



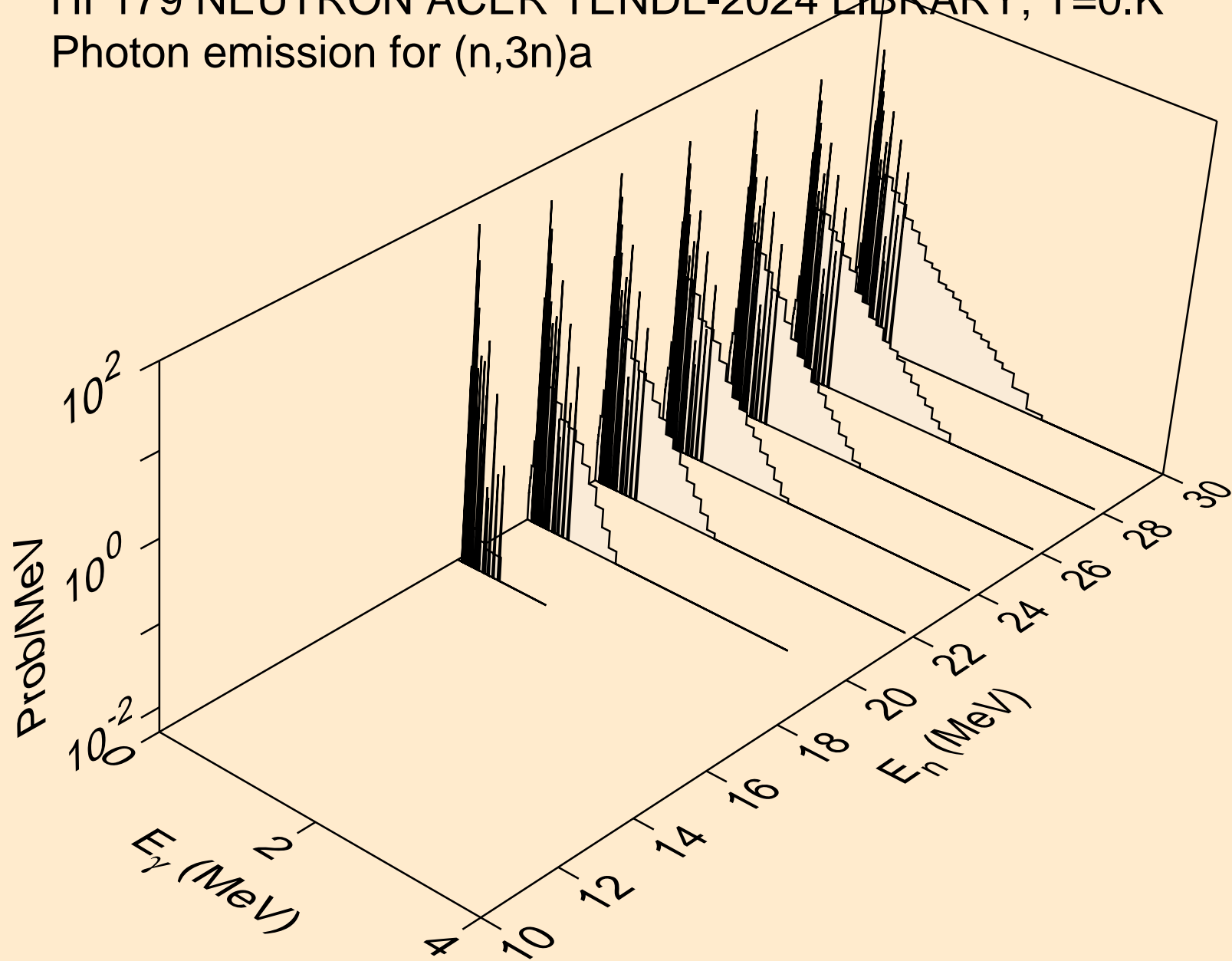
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



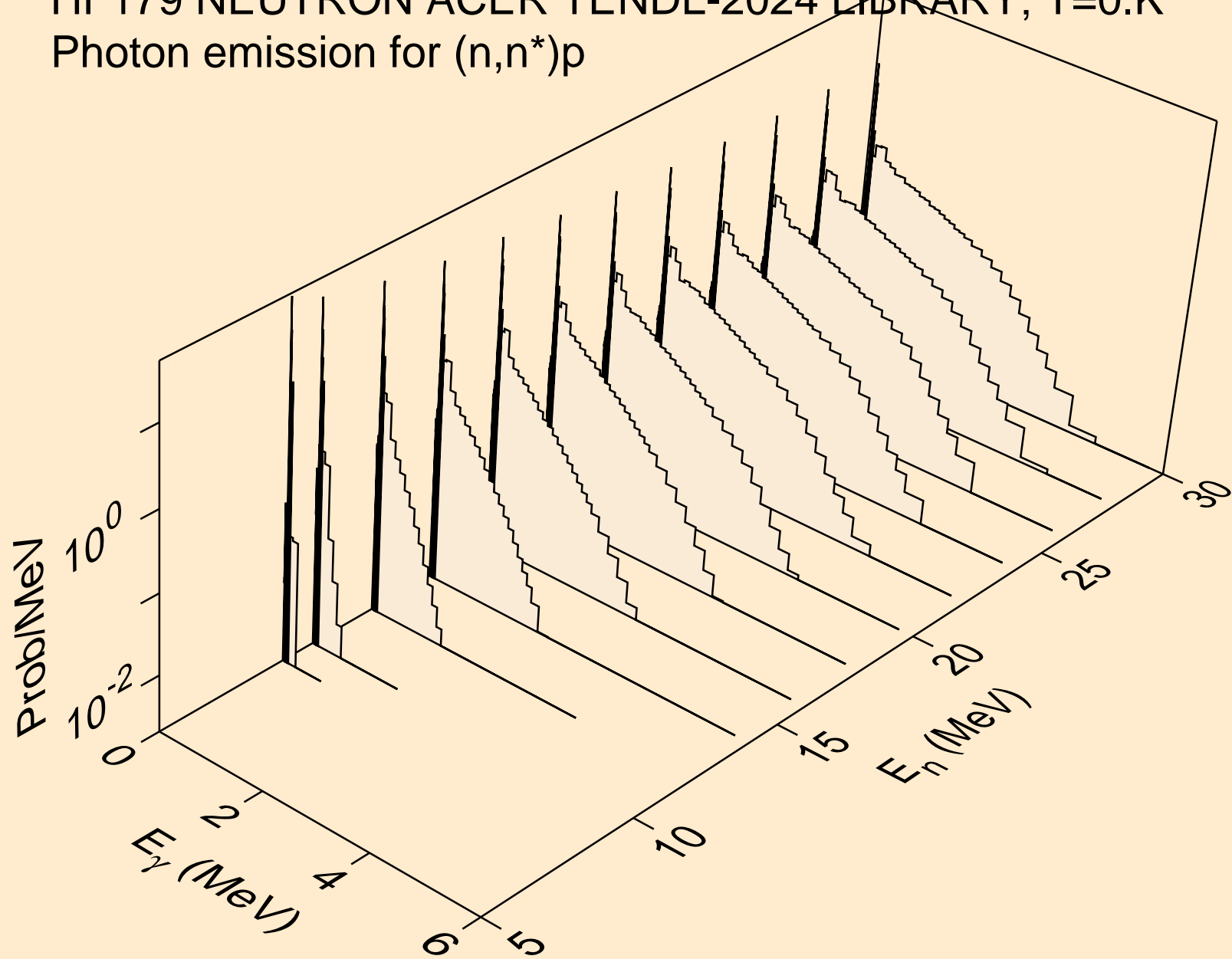
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)a



HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)a

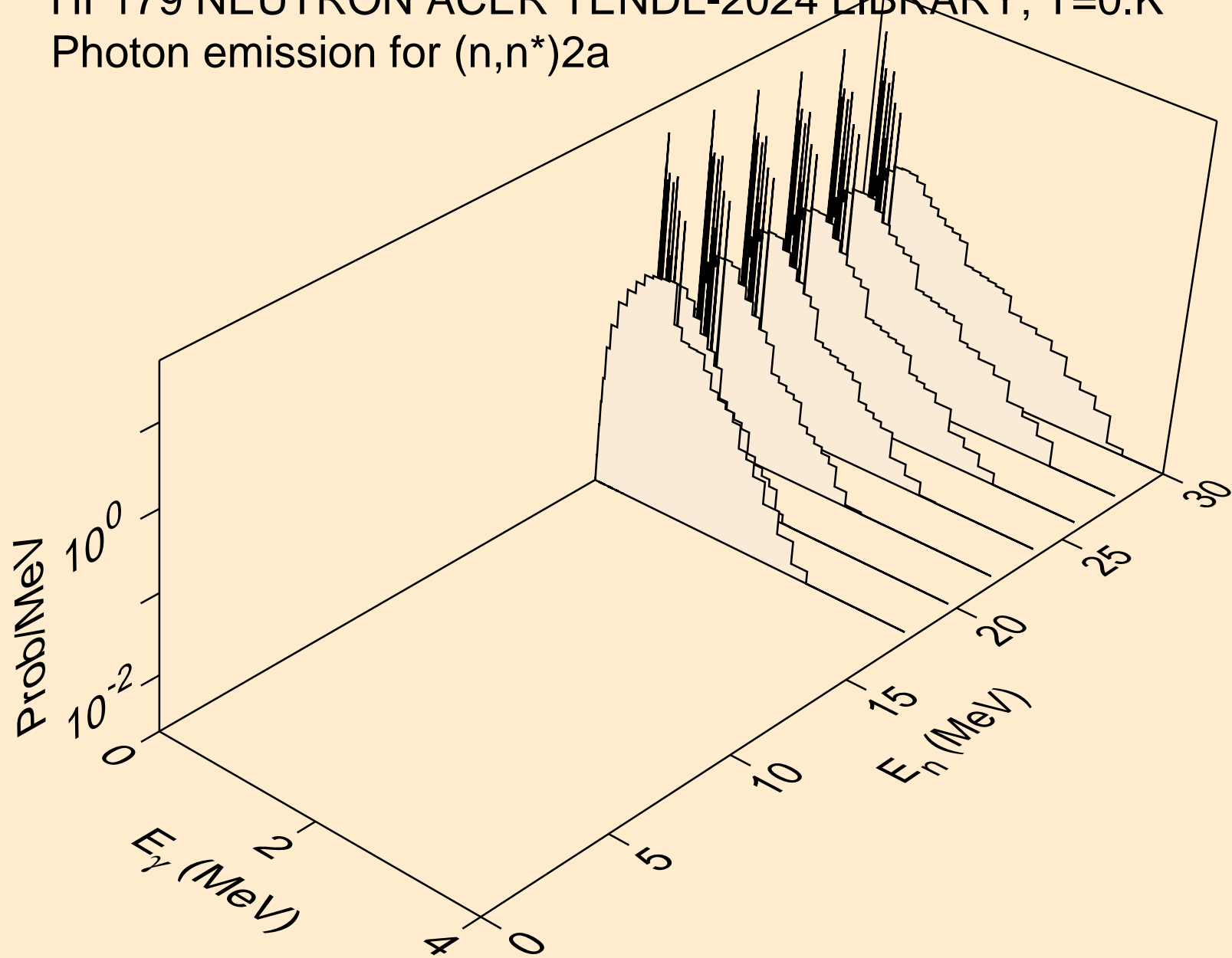


HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)p

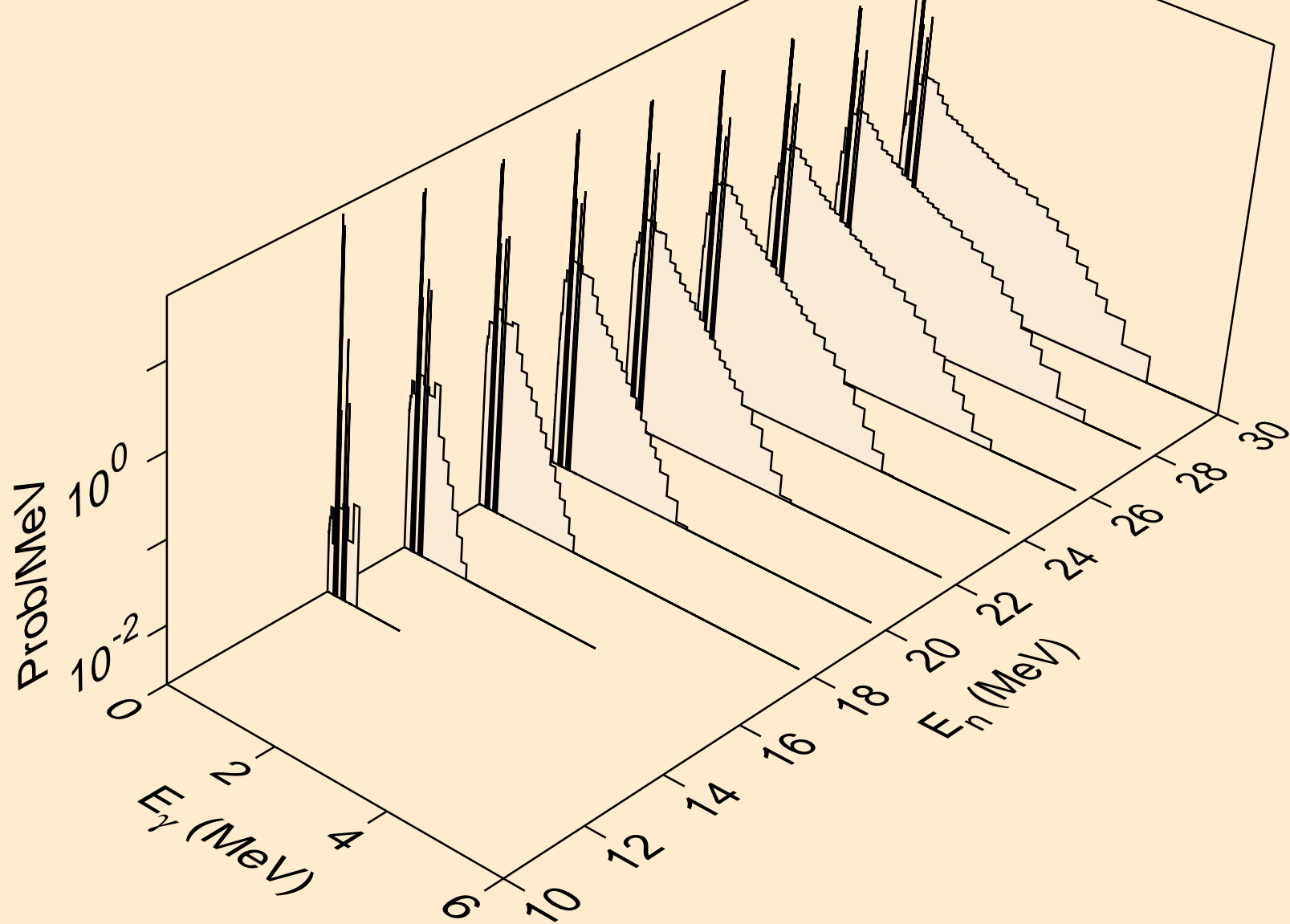




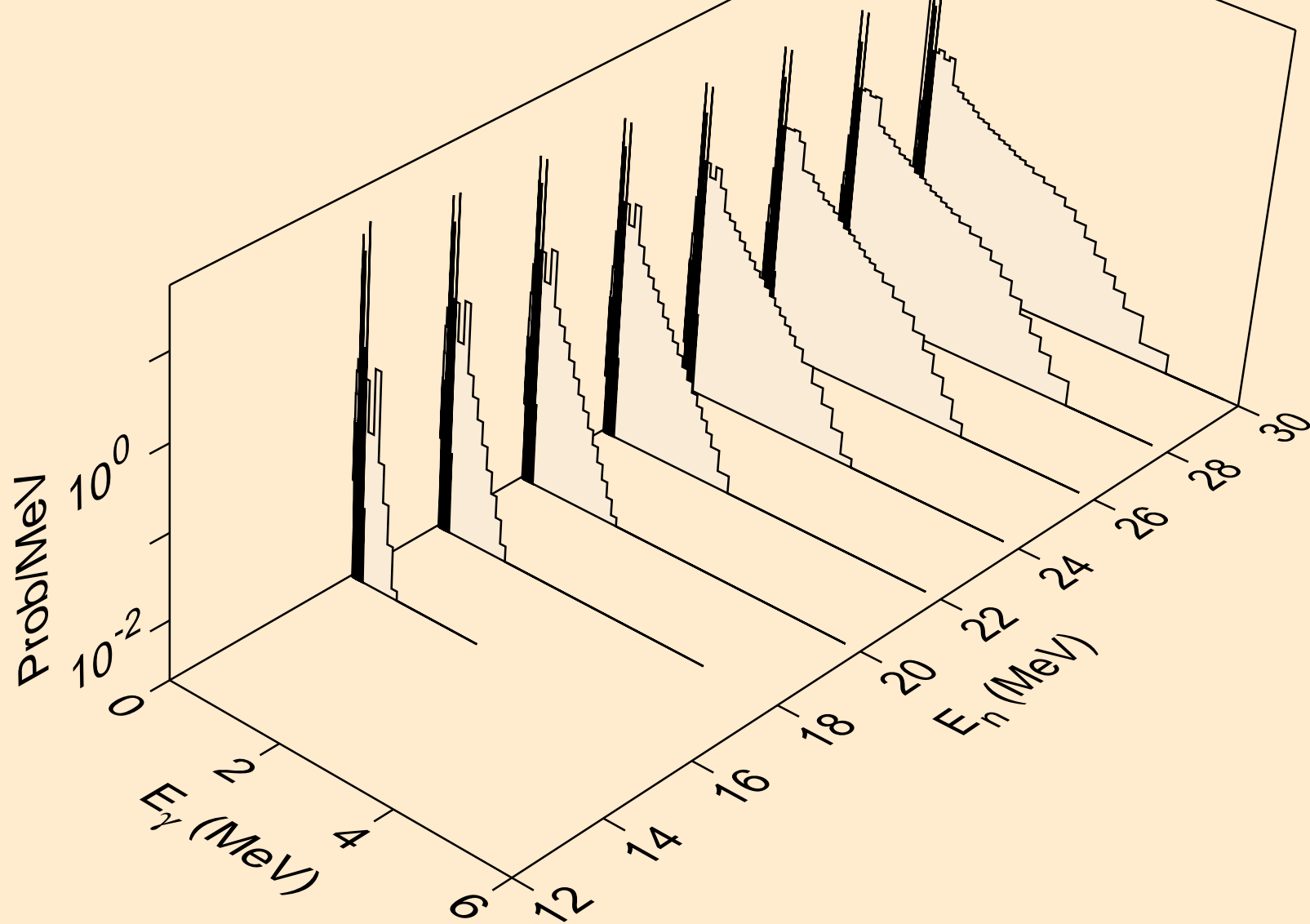
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



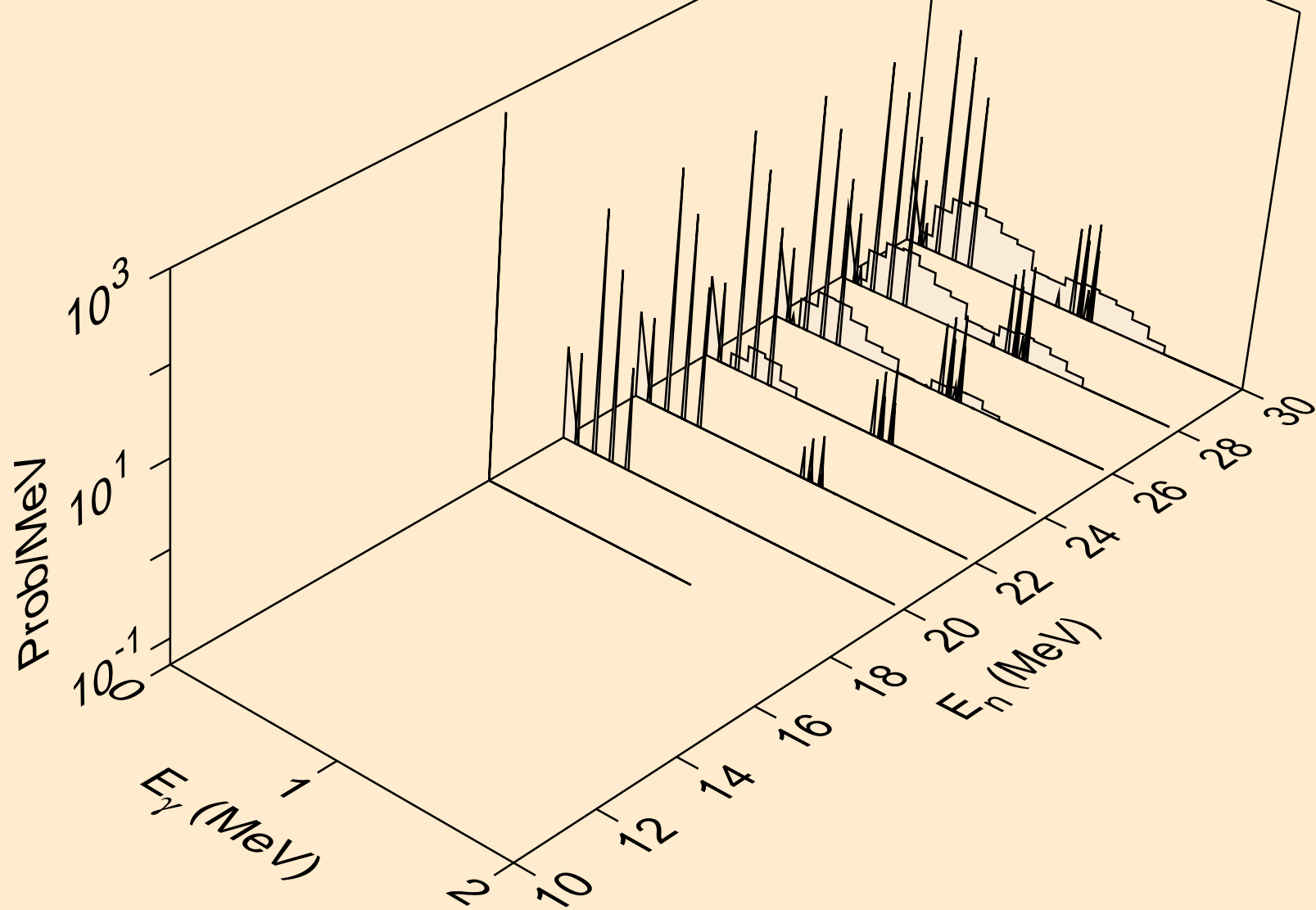
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



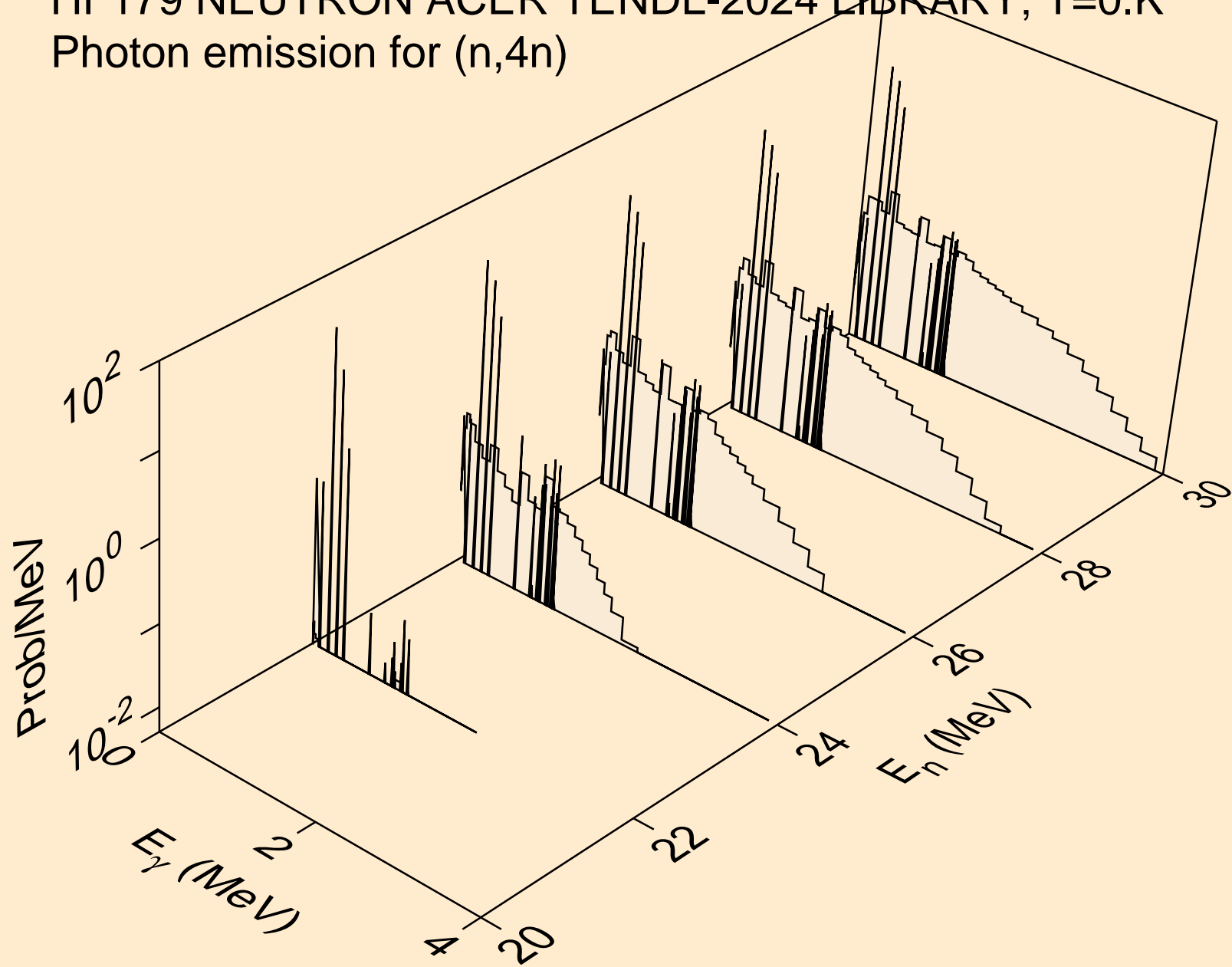
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



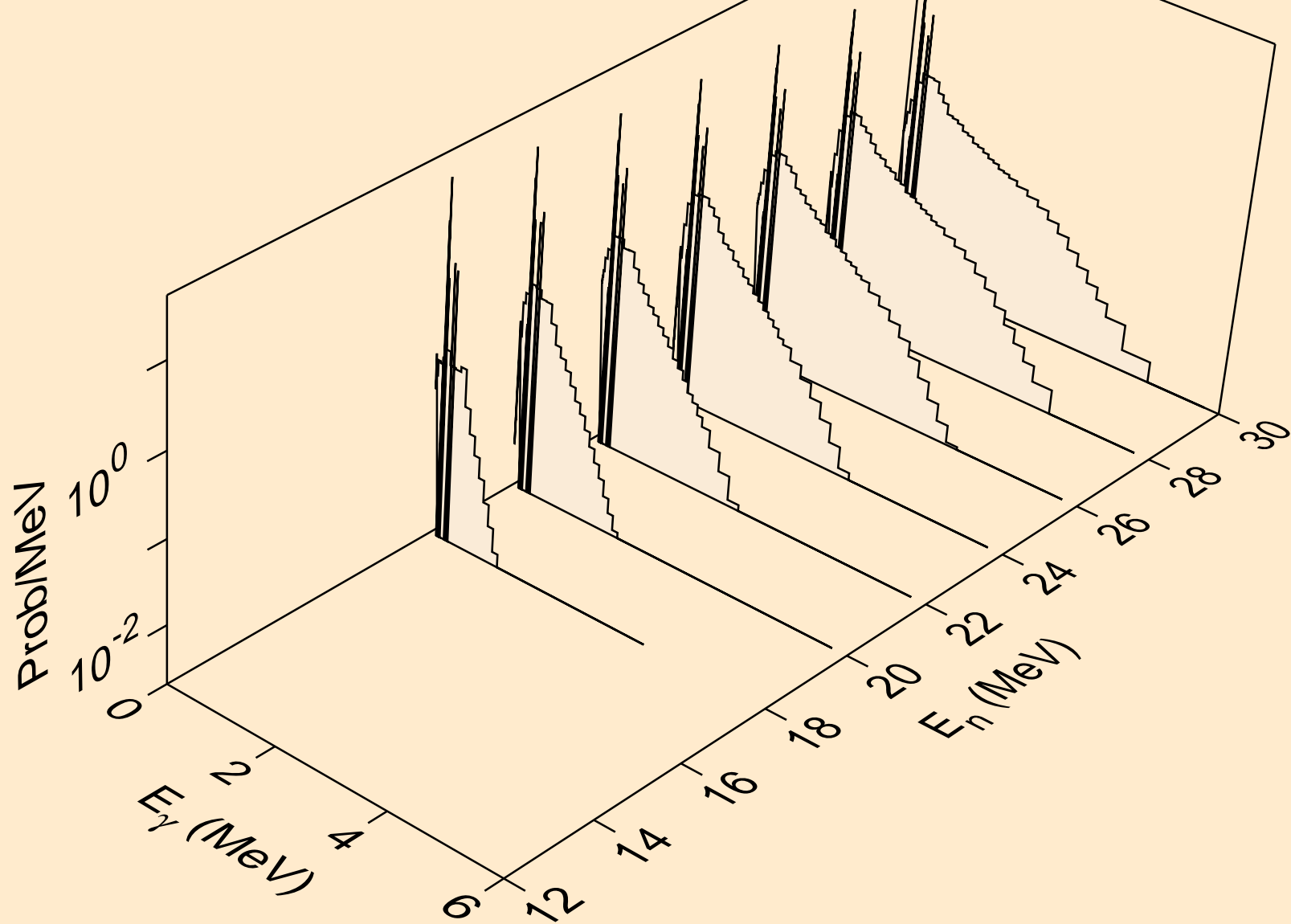
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



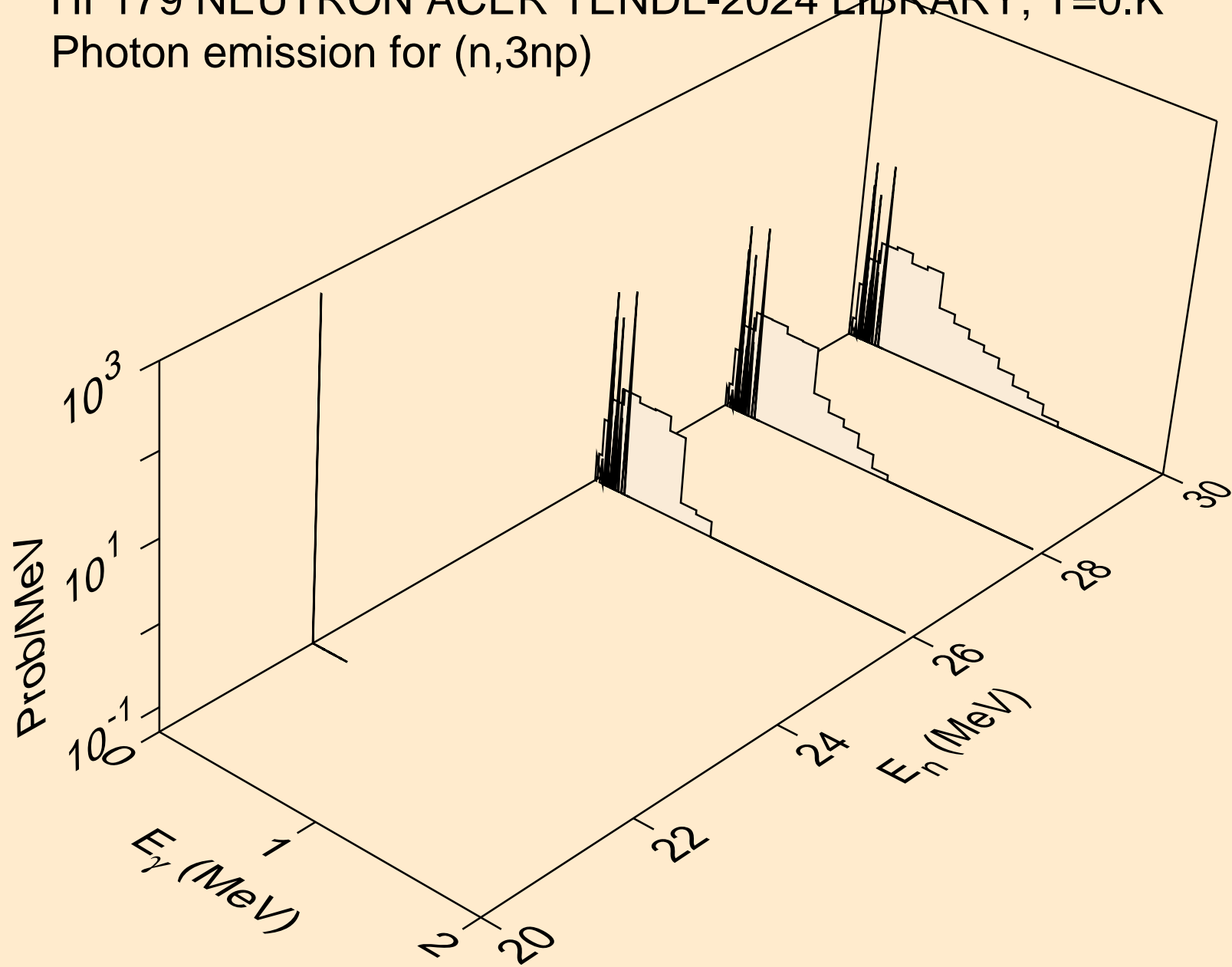
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,4n)



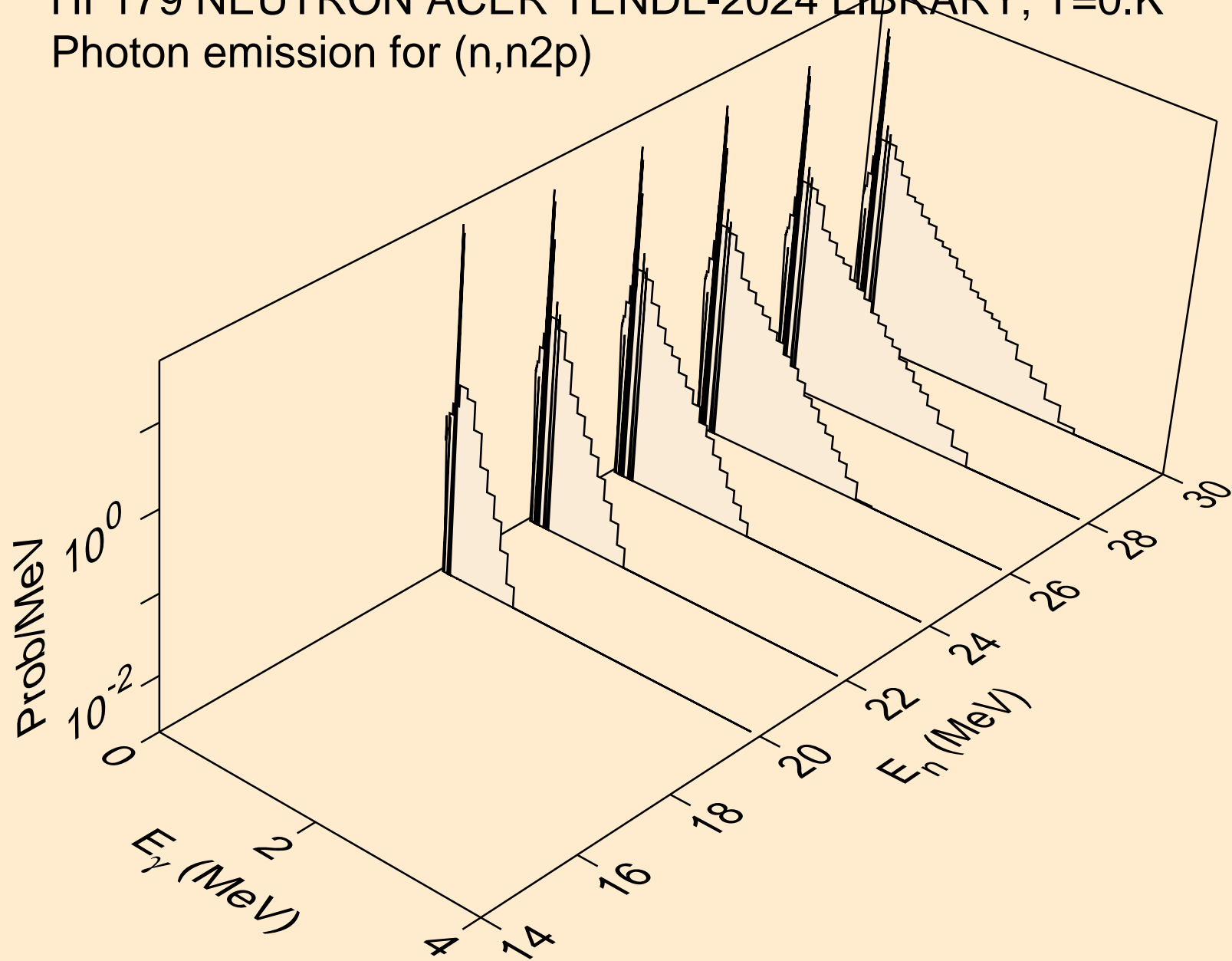
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2np)



HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3np)

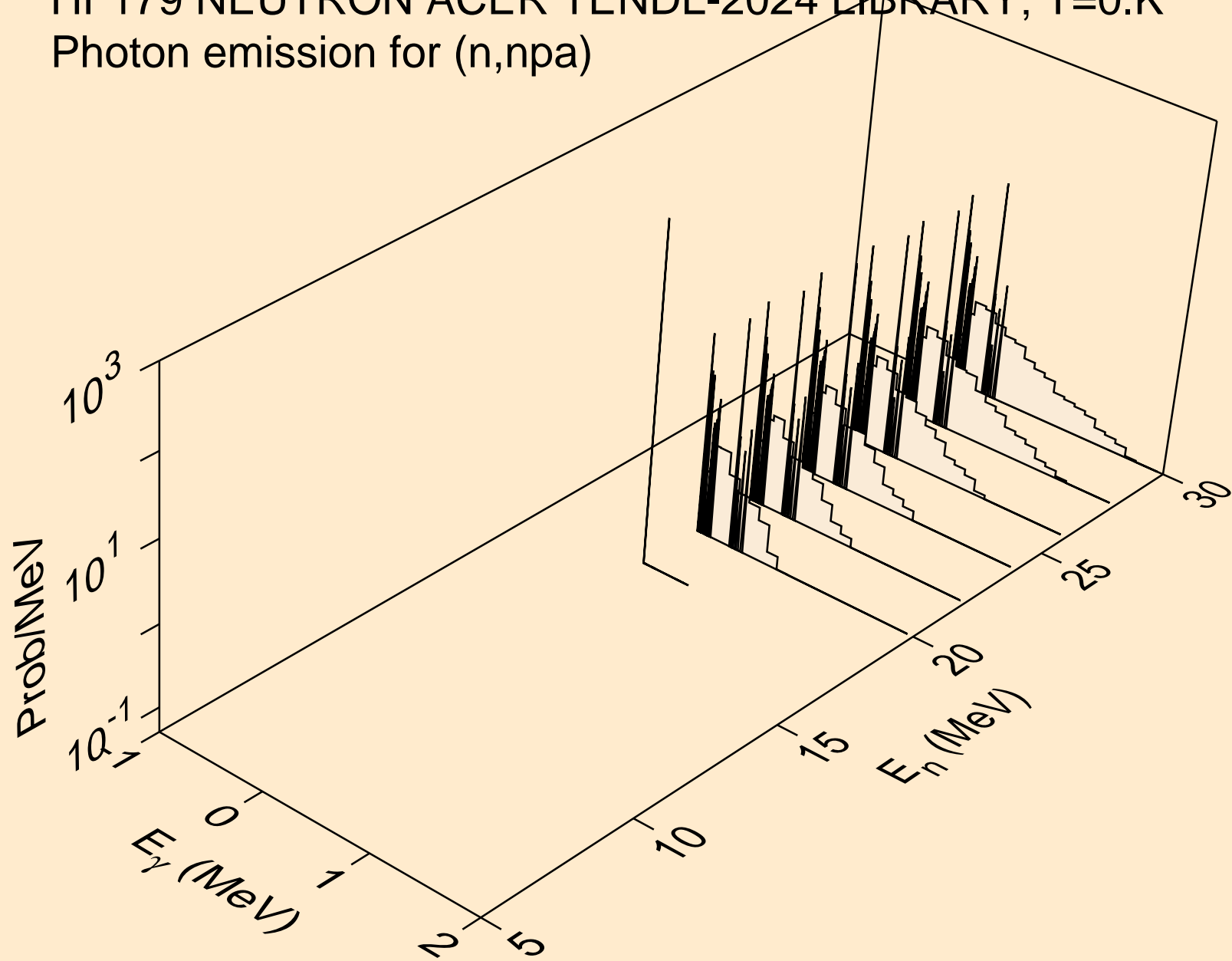


HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n2p)

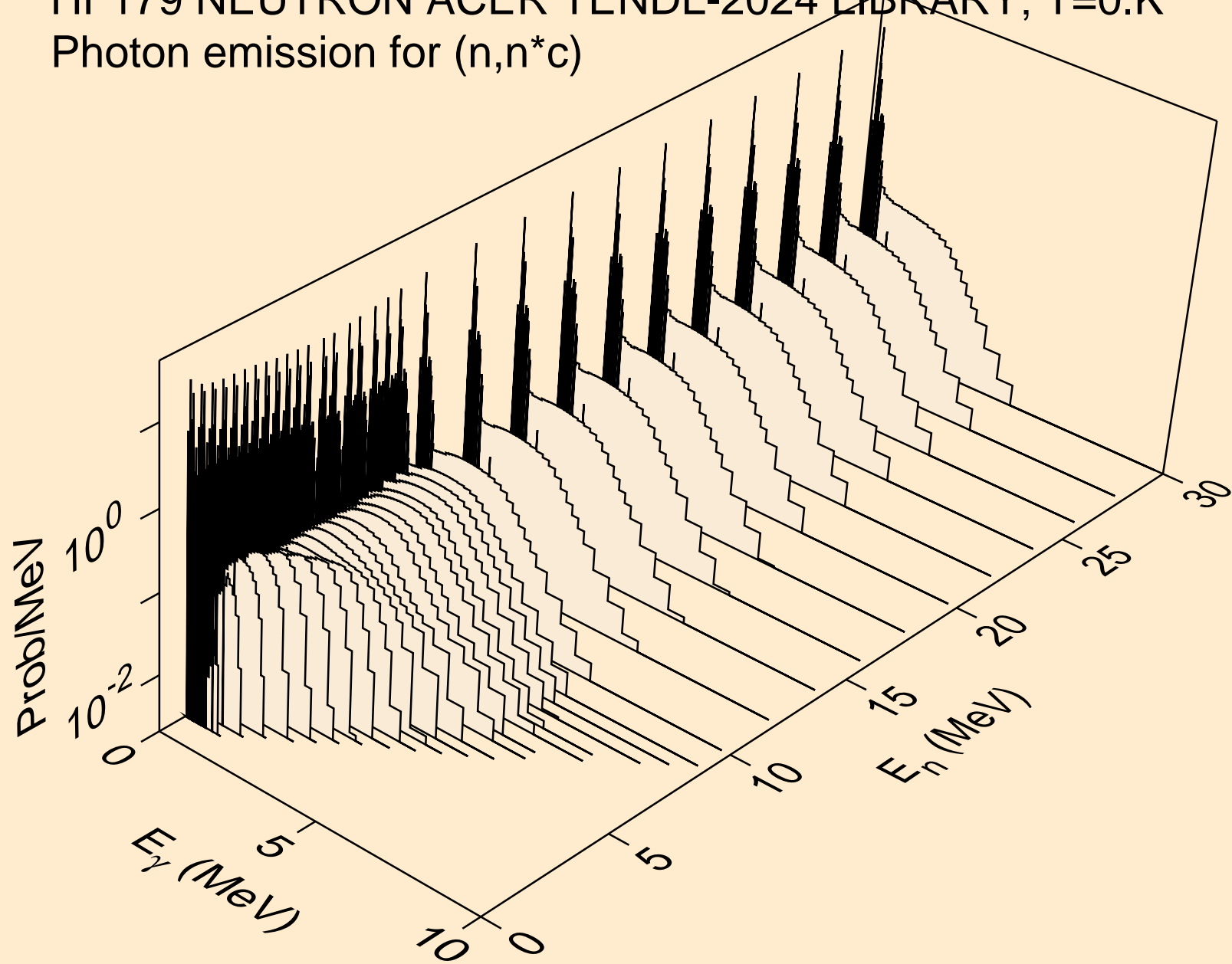




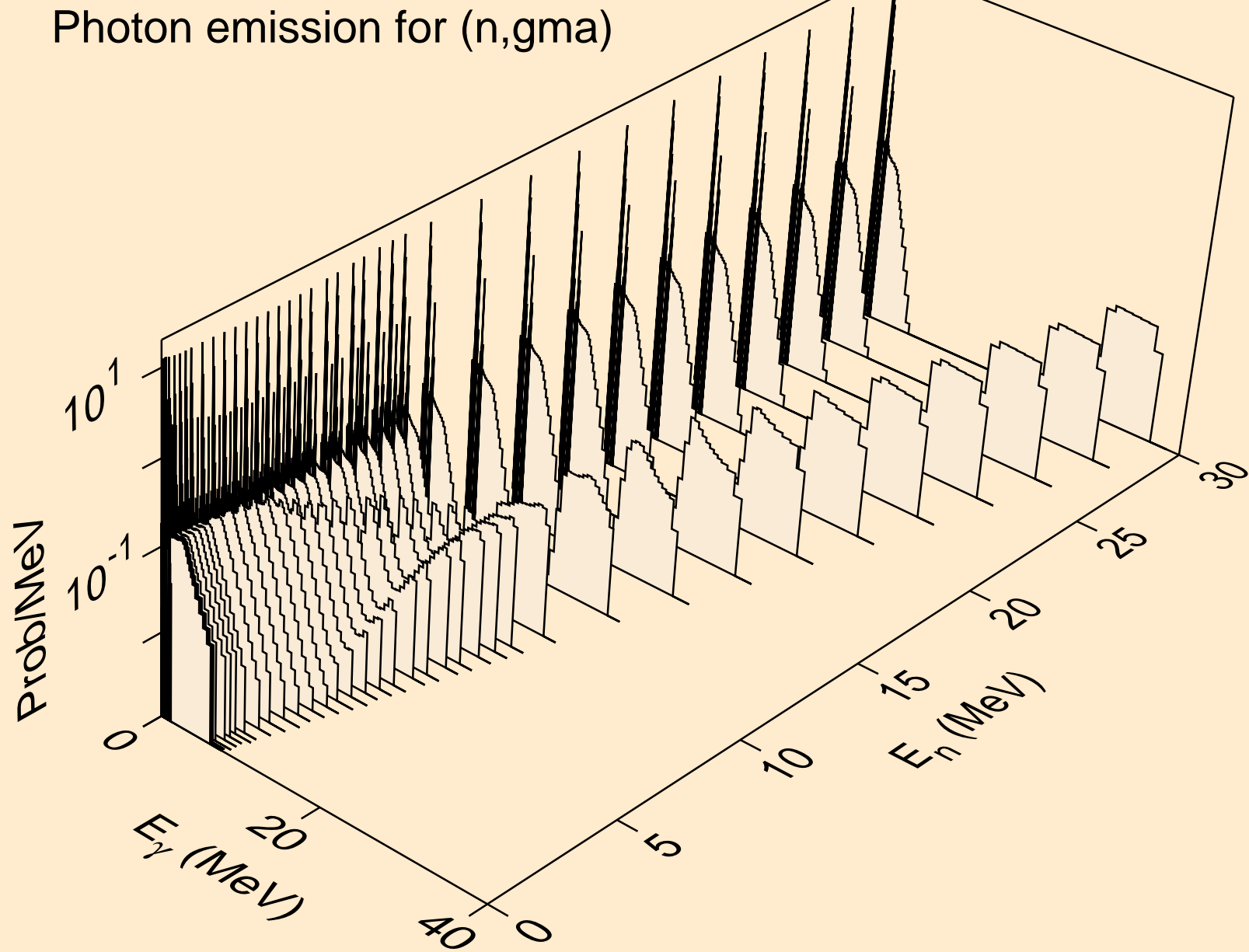
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,npa)



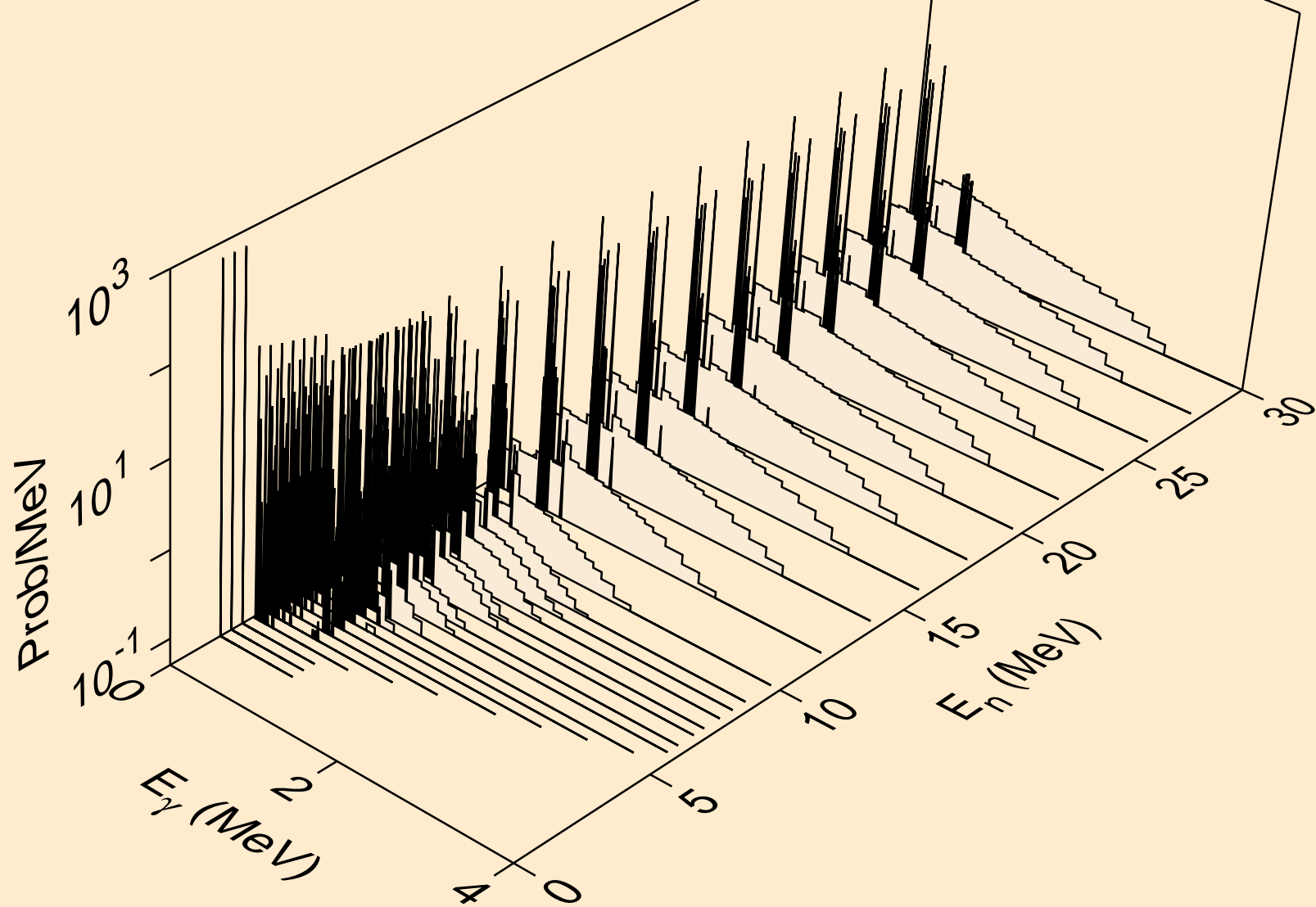
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*c)



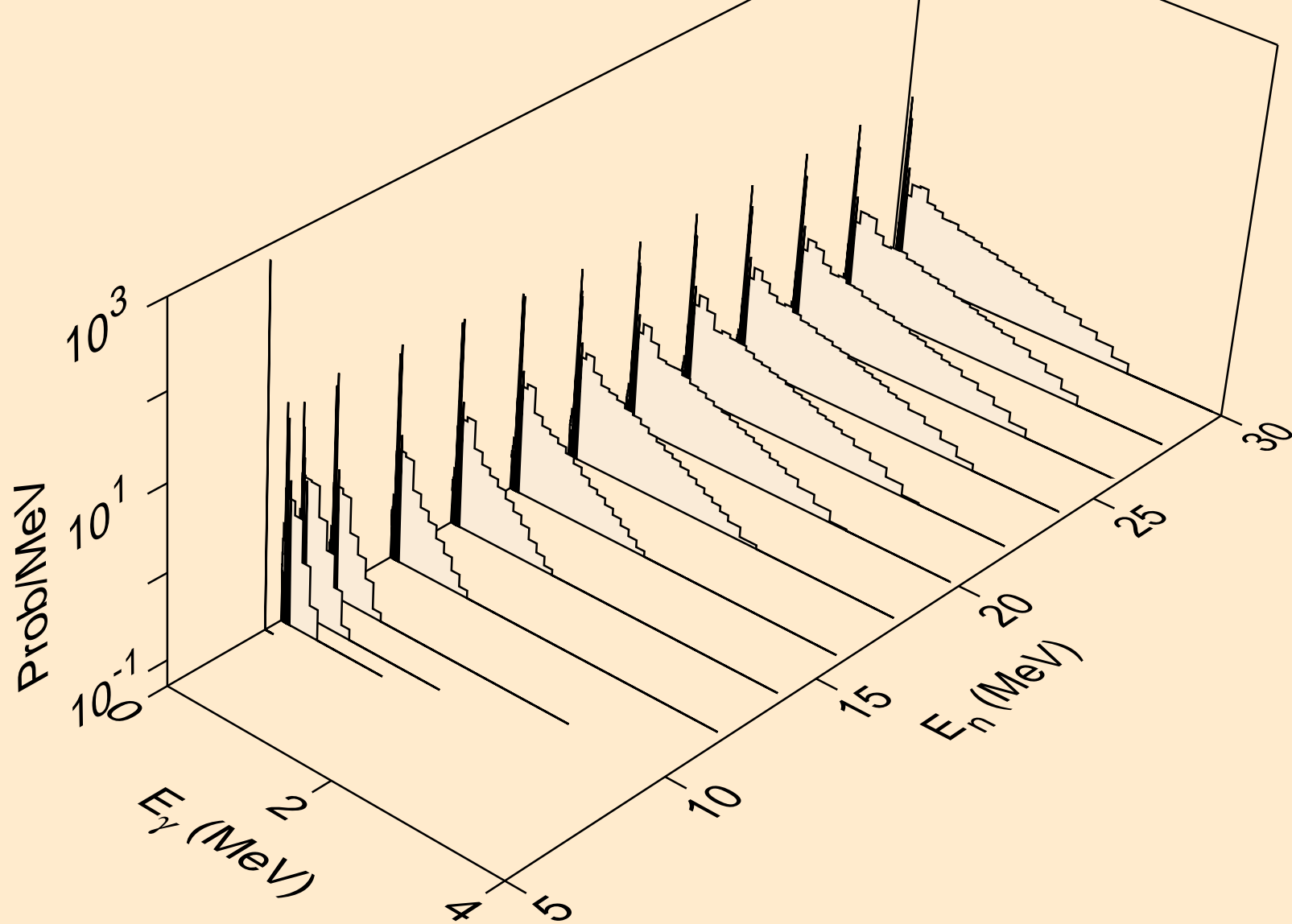
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,gma)



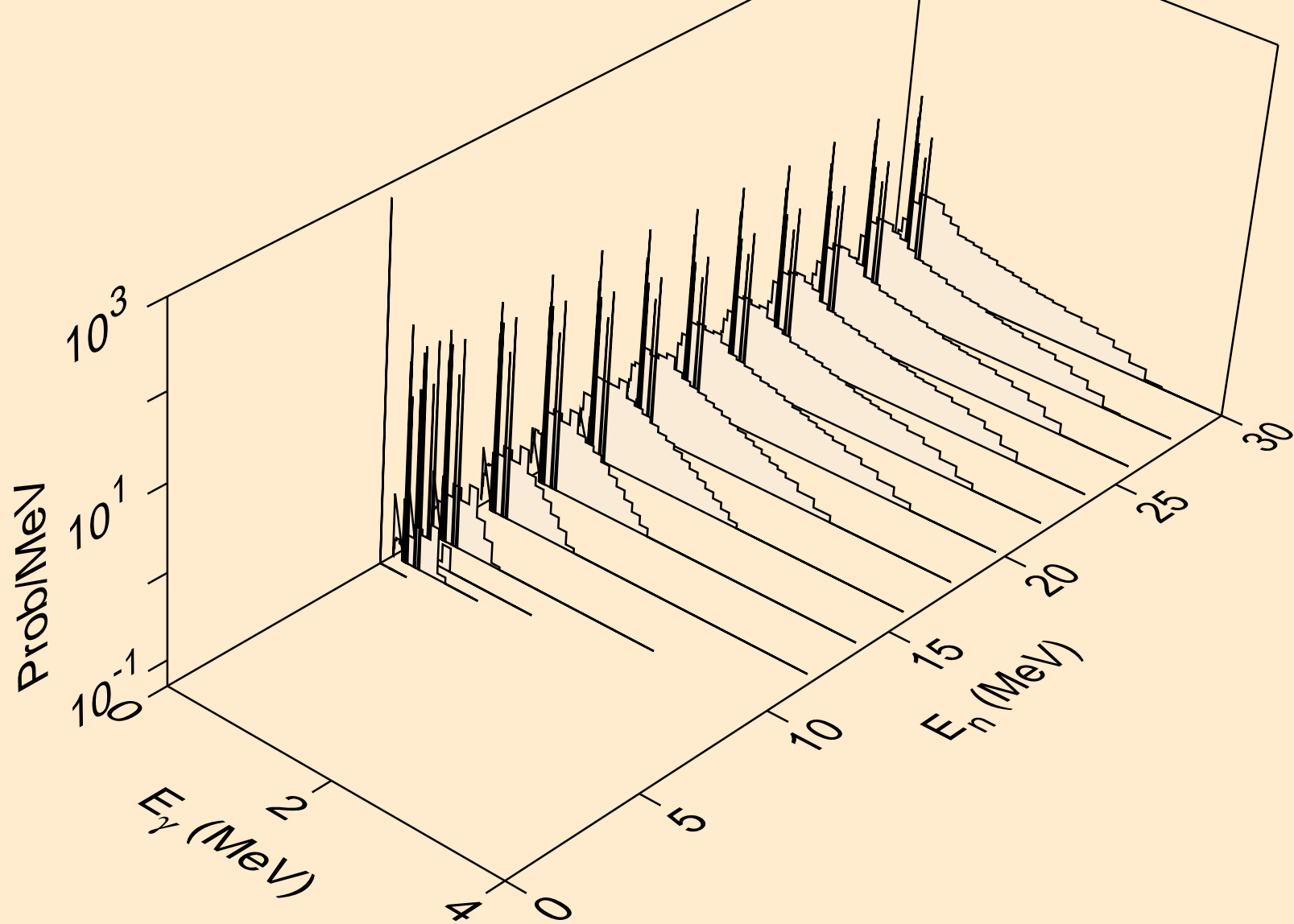
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p)



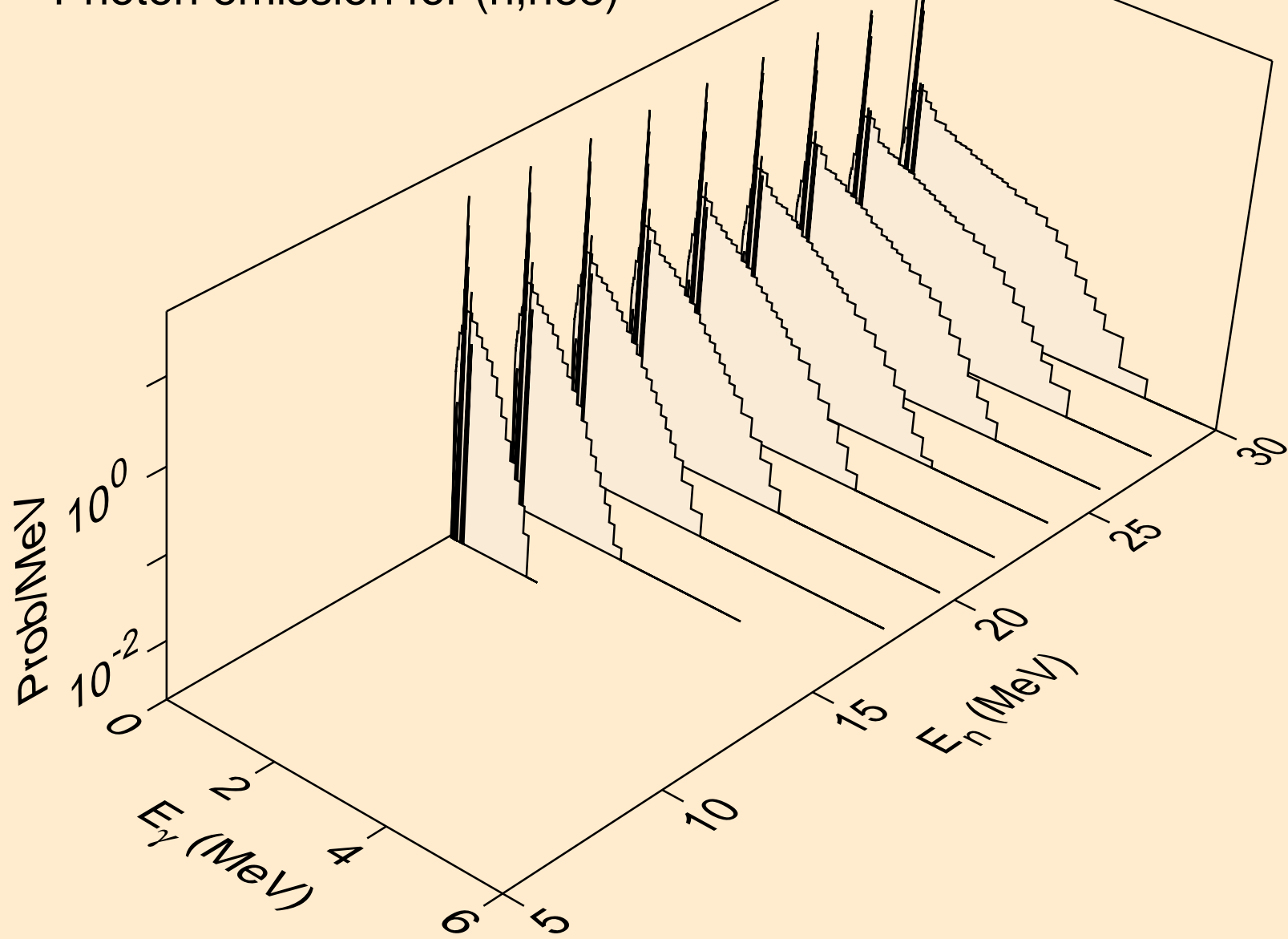
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,d)



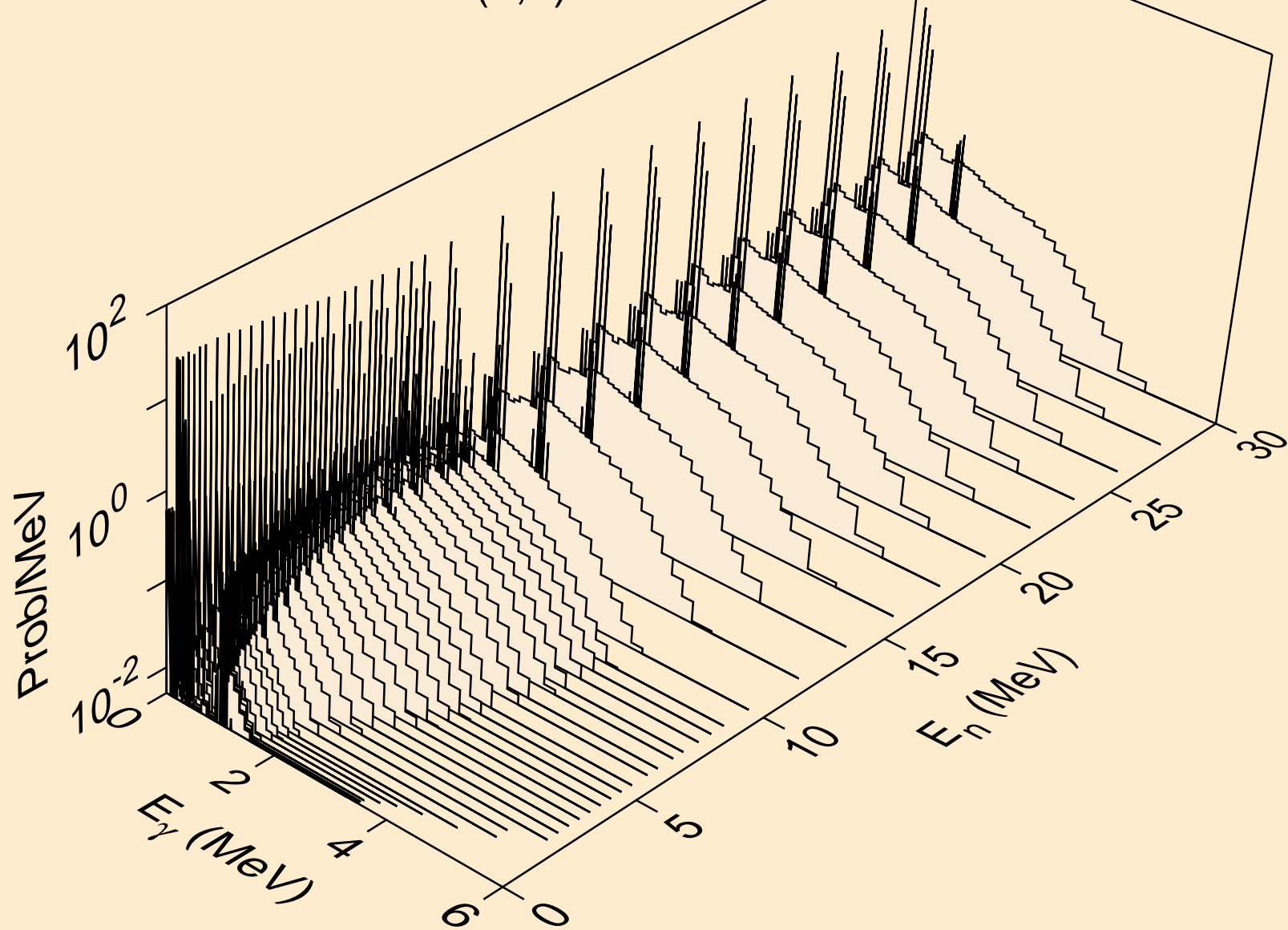
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,t)



HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,he3)

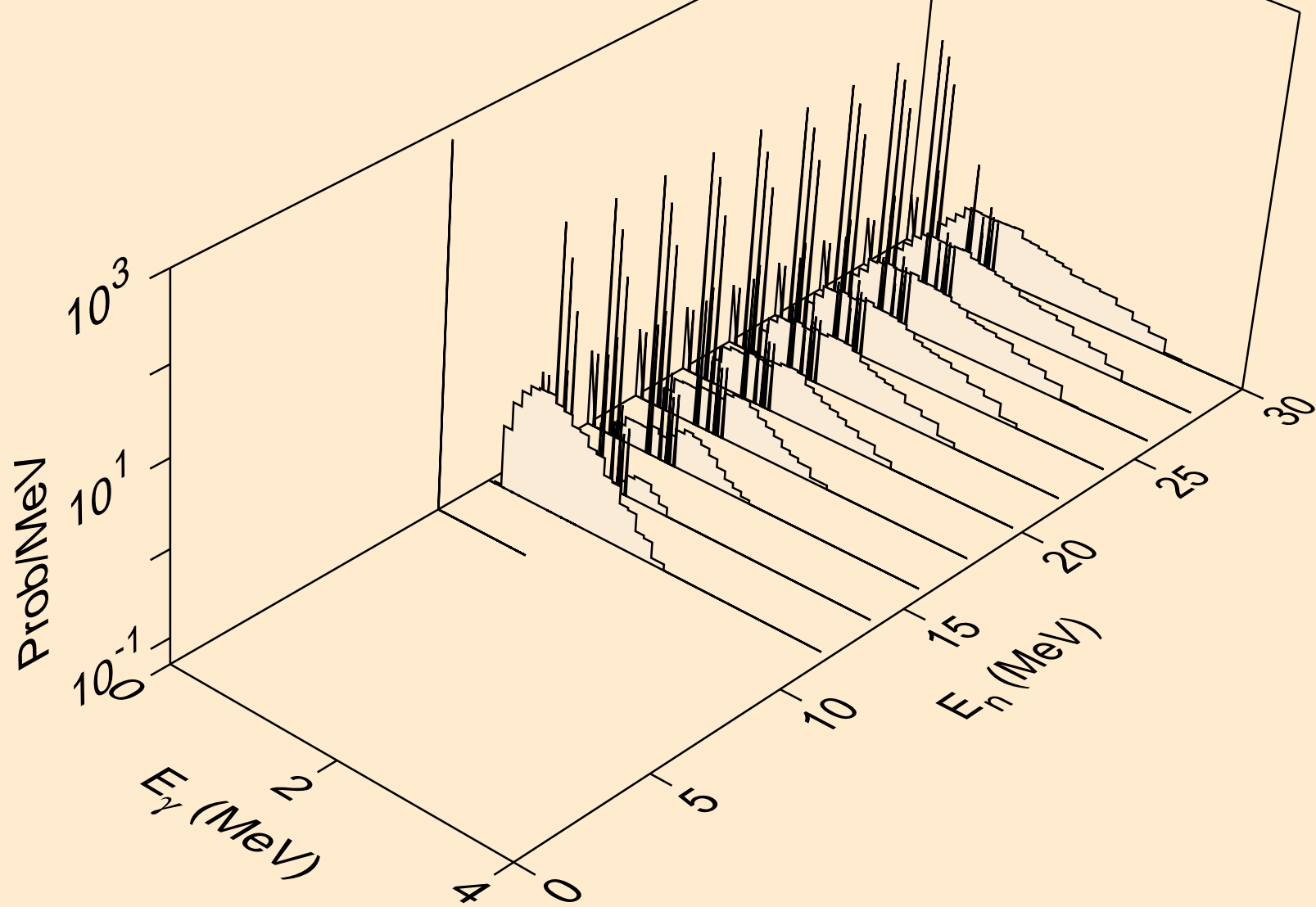


HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,a)

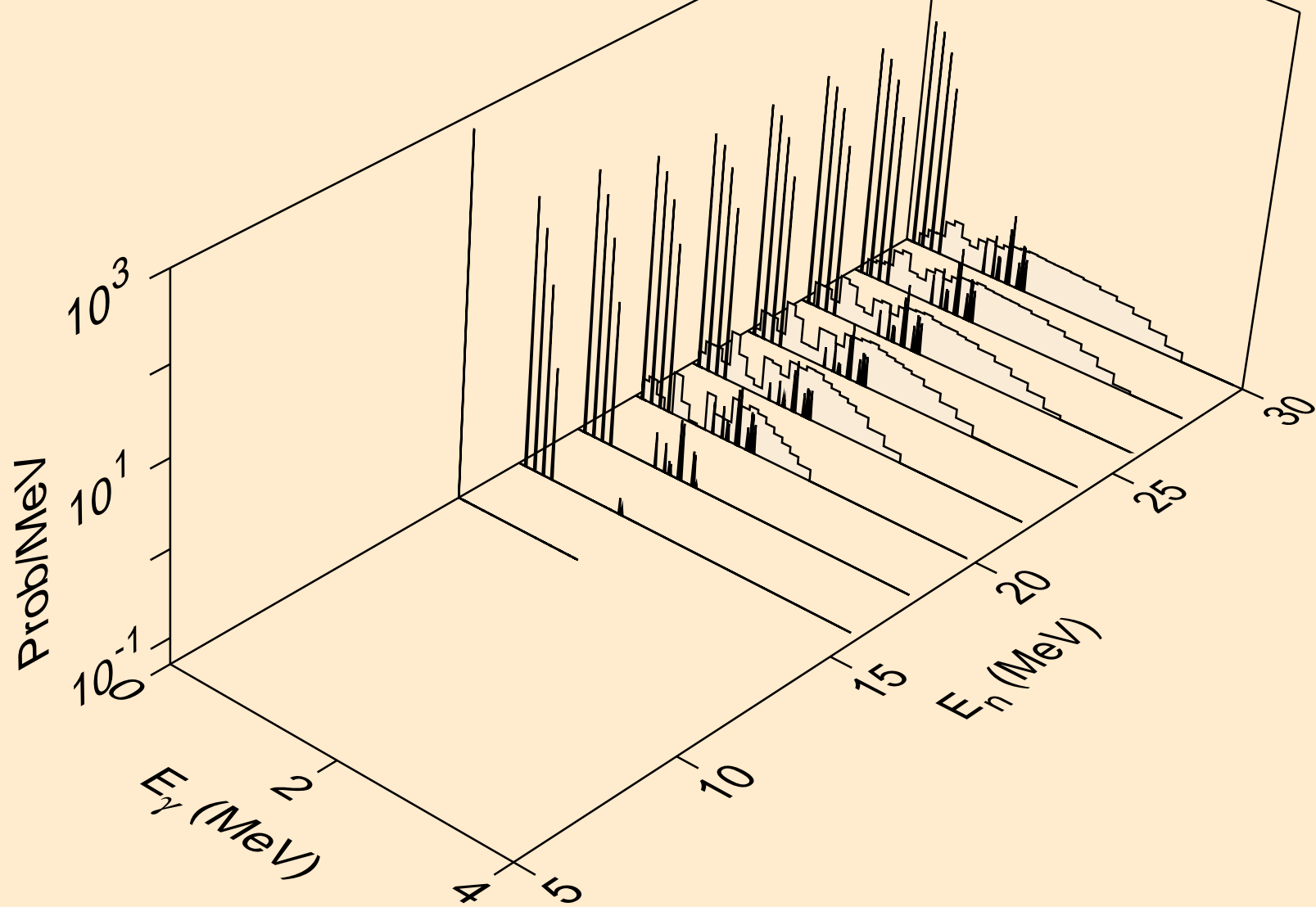




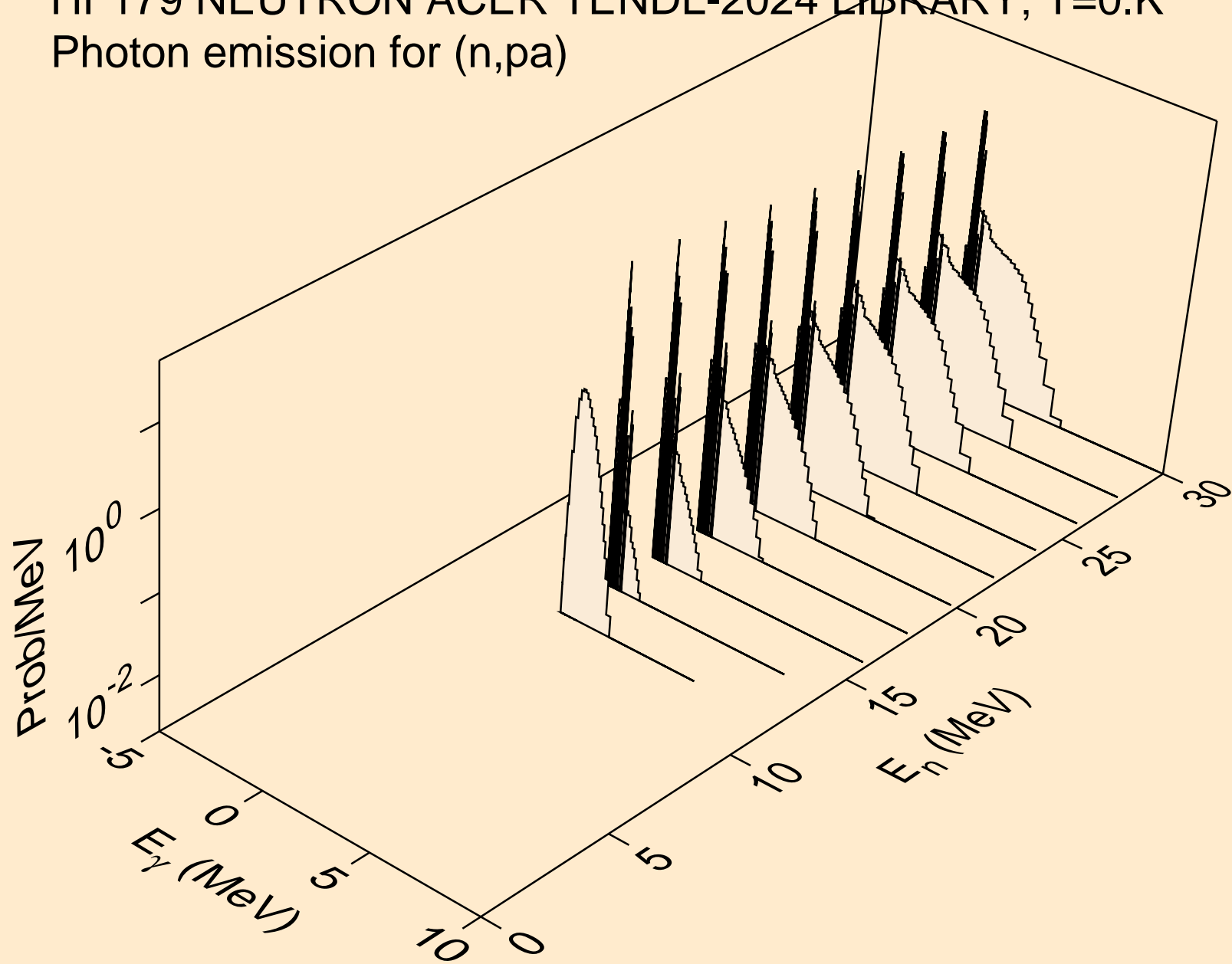
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2a)



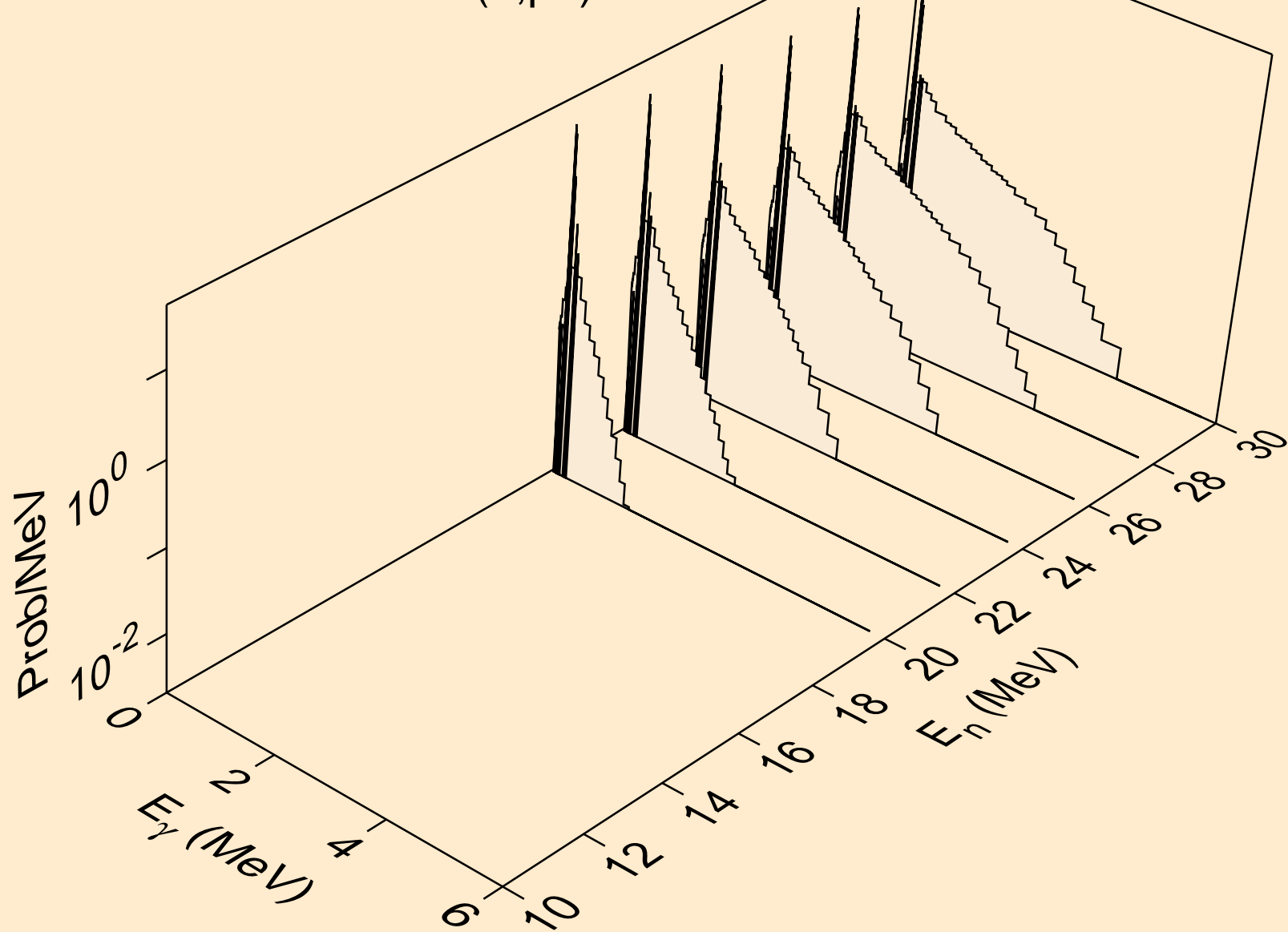
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2p)



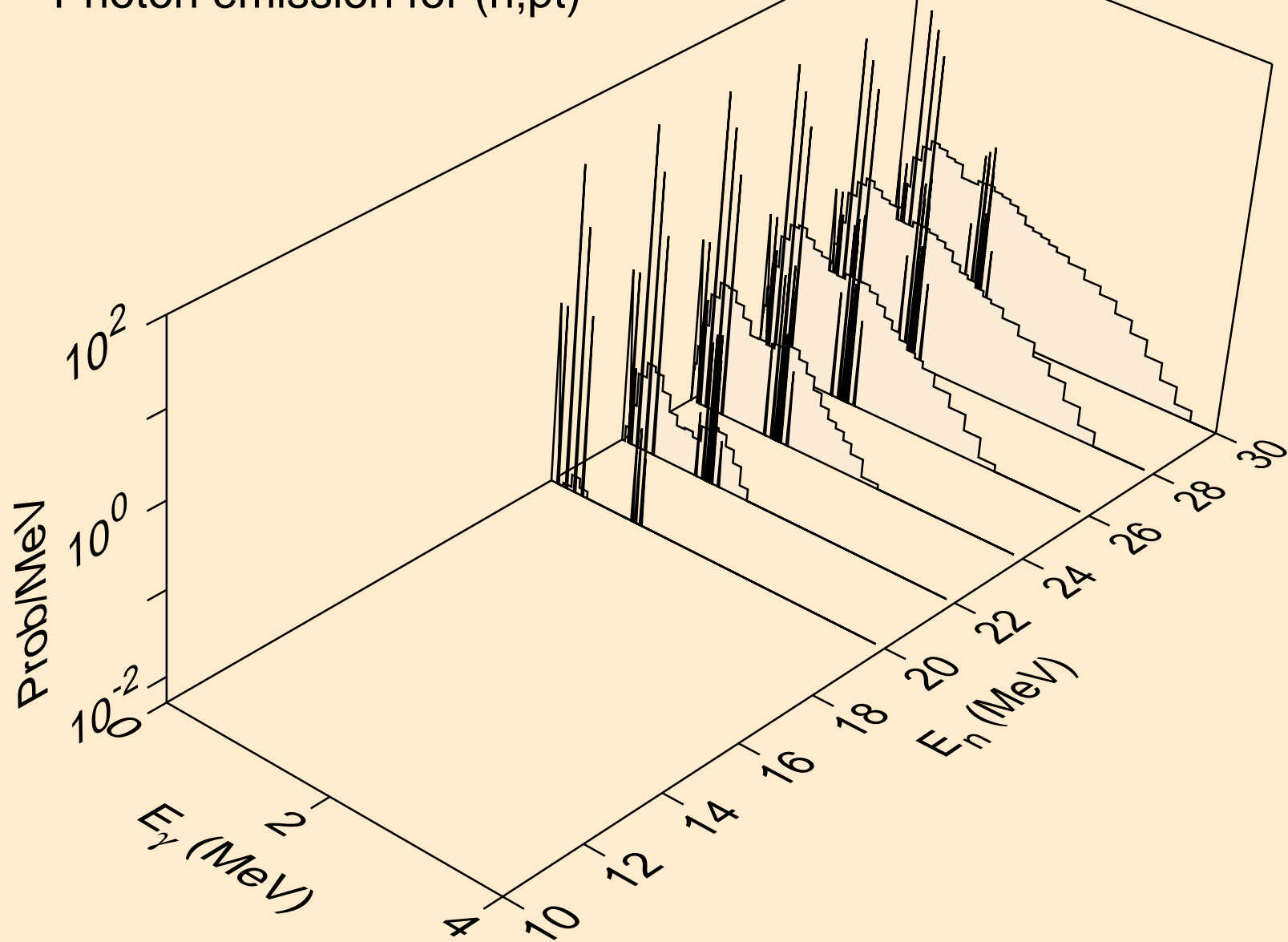
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p)



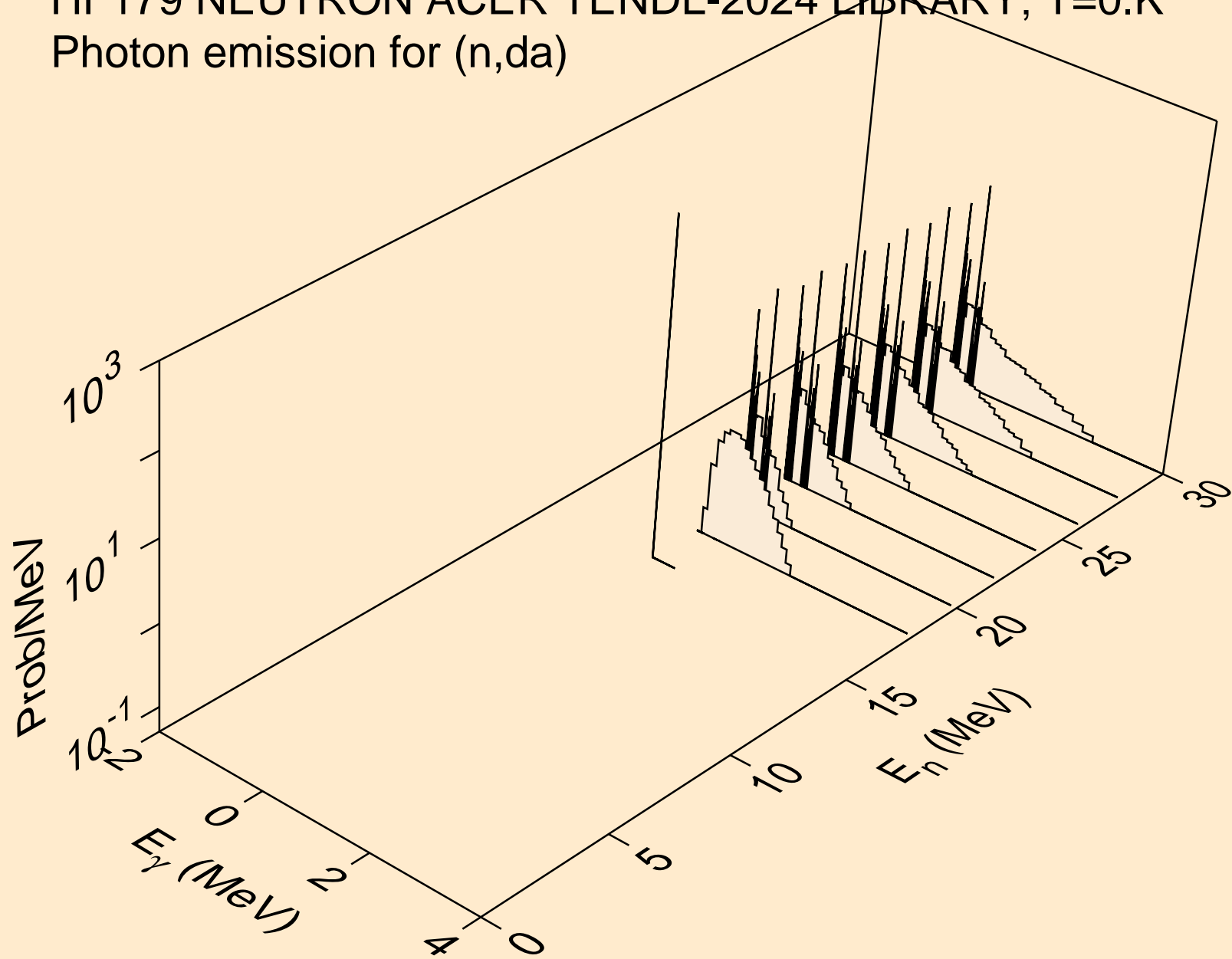
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pd)



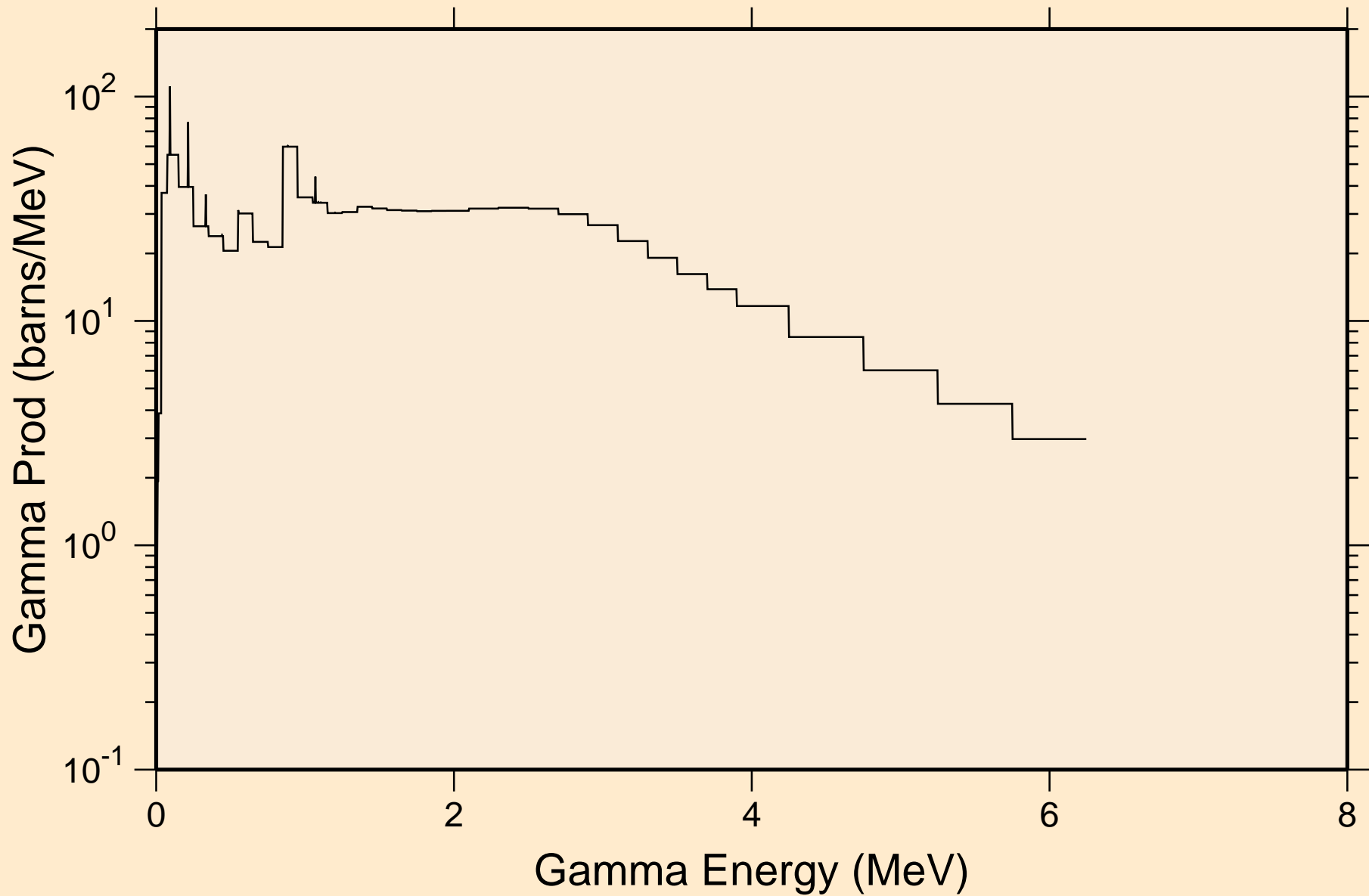
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pt)



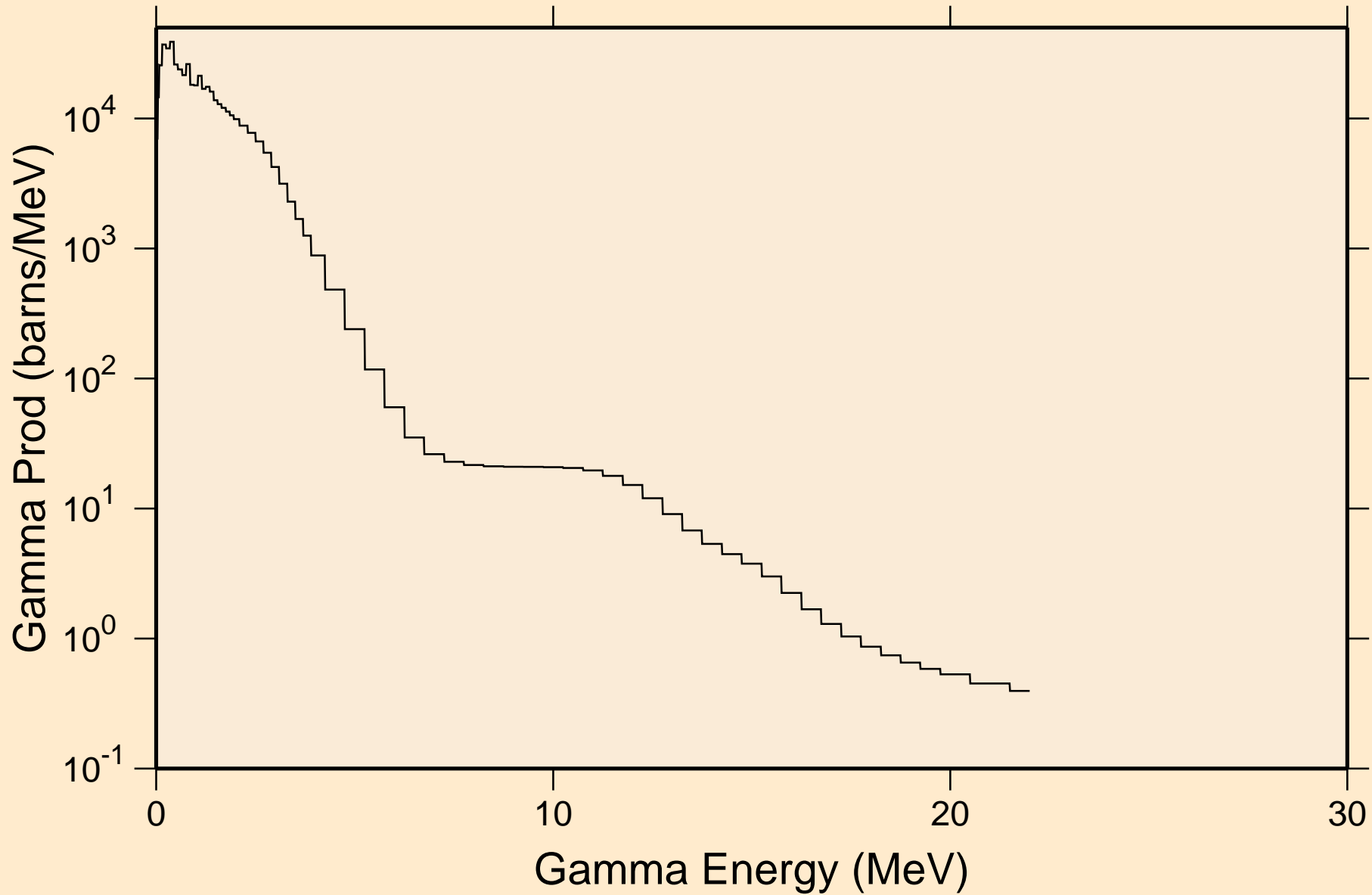
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,da)



HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
thermal capture photon spectrum



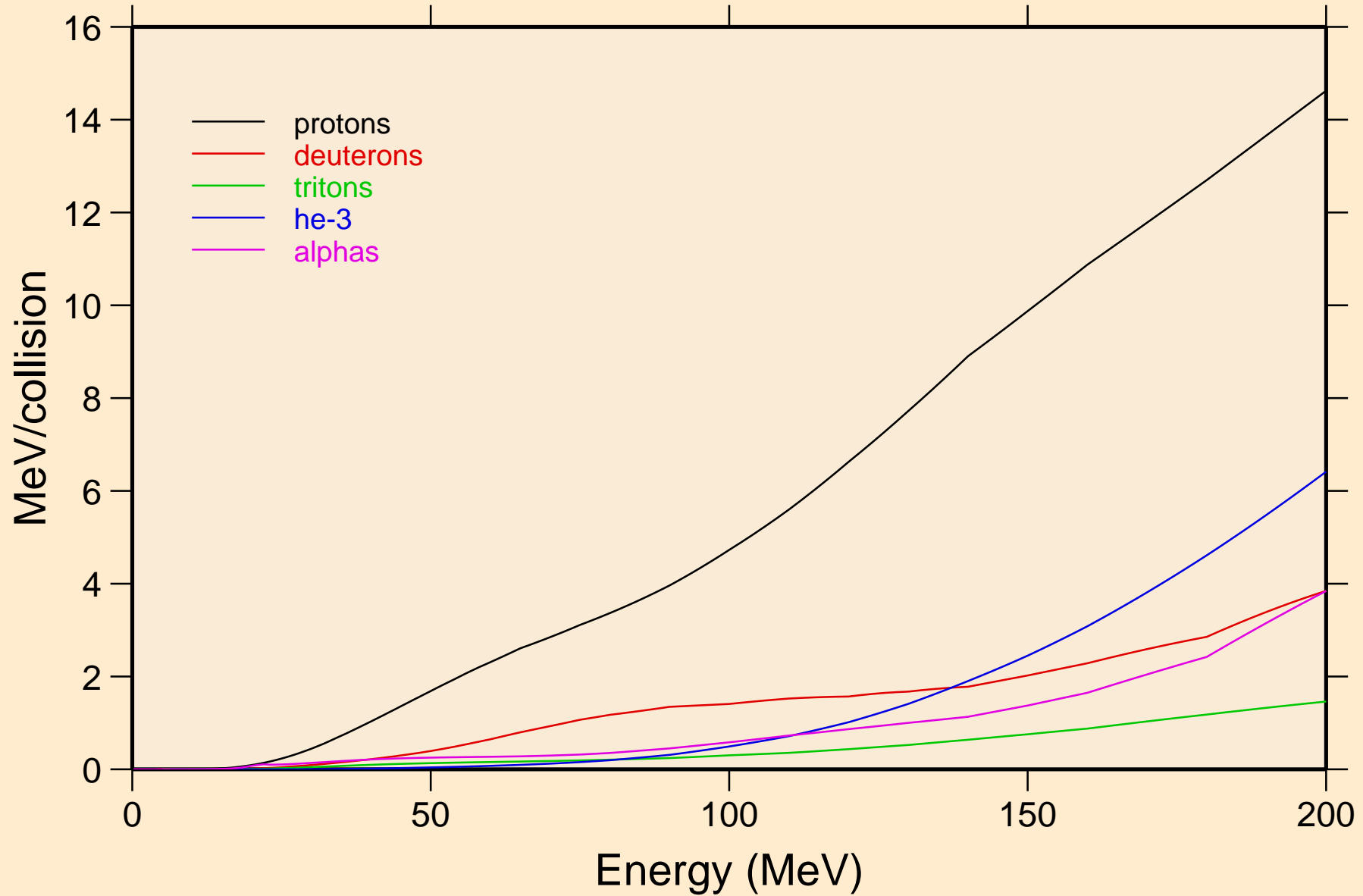
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
14 MeV photon spectrum





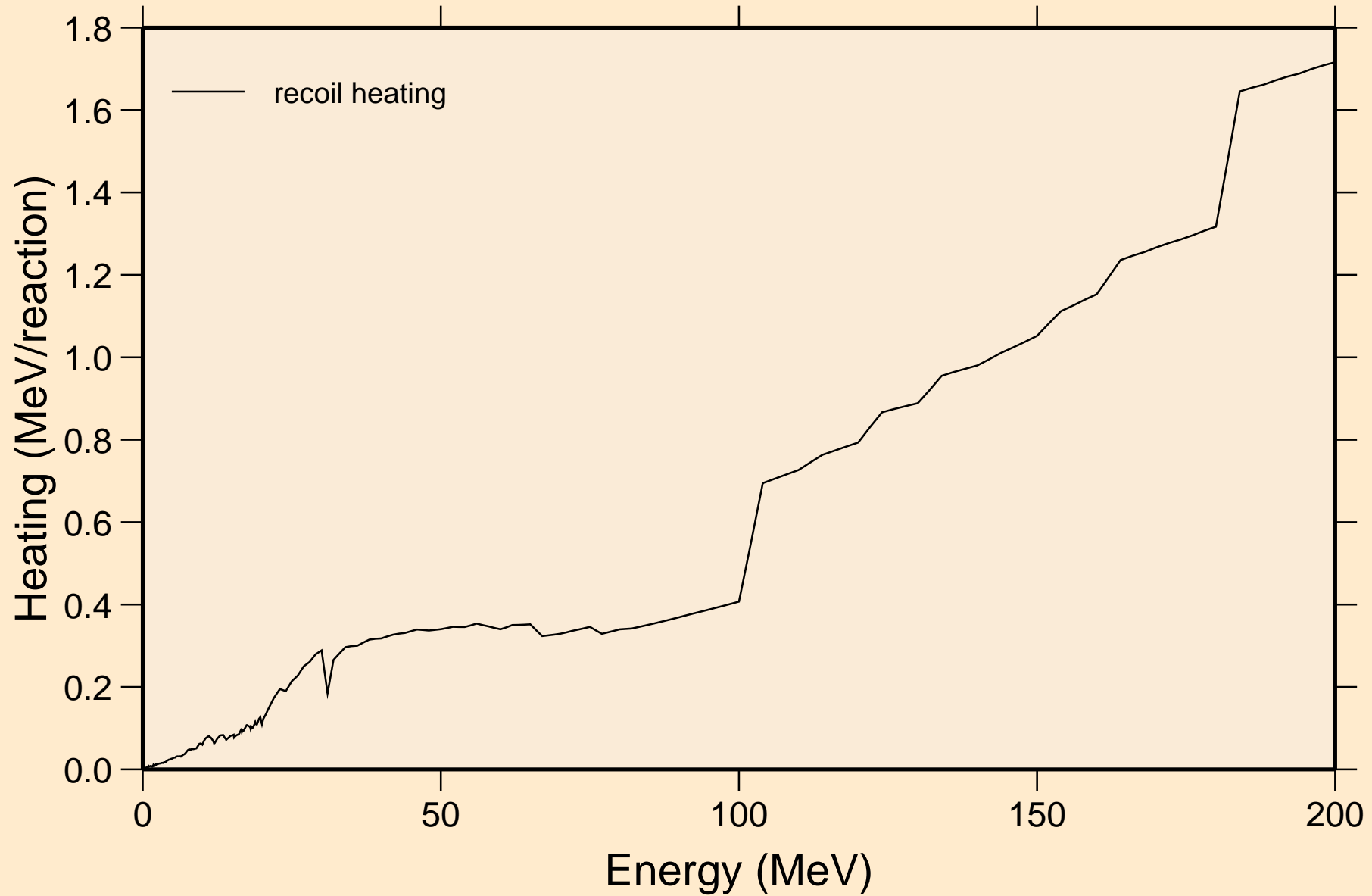
# HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Particle heating contributions



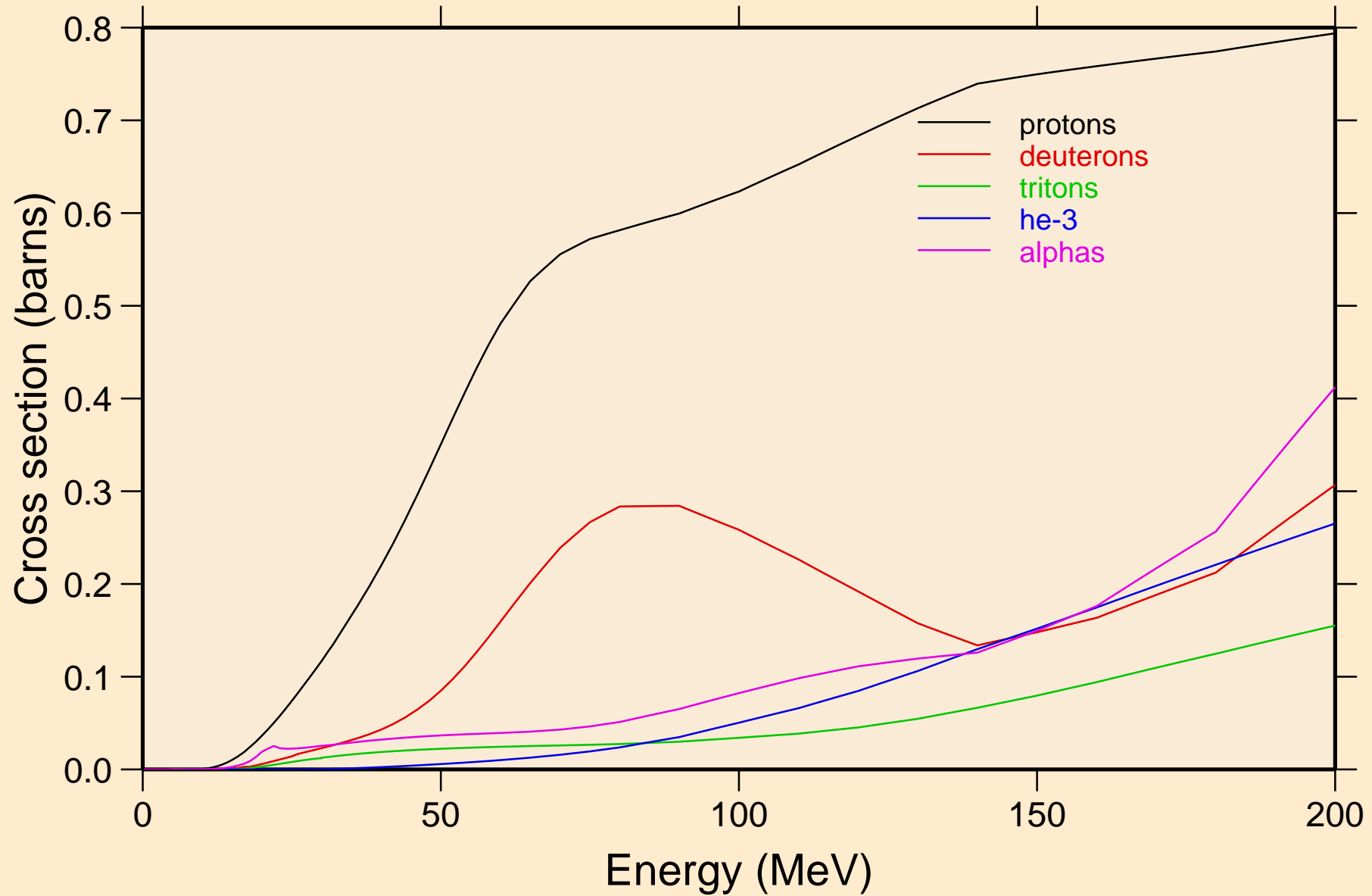
# HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Recoil Heating

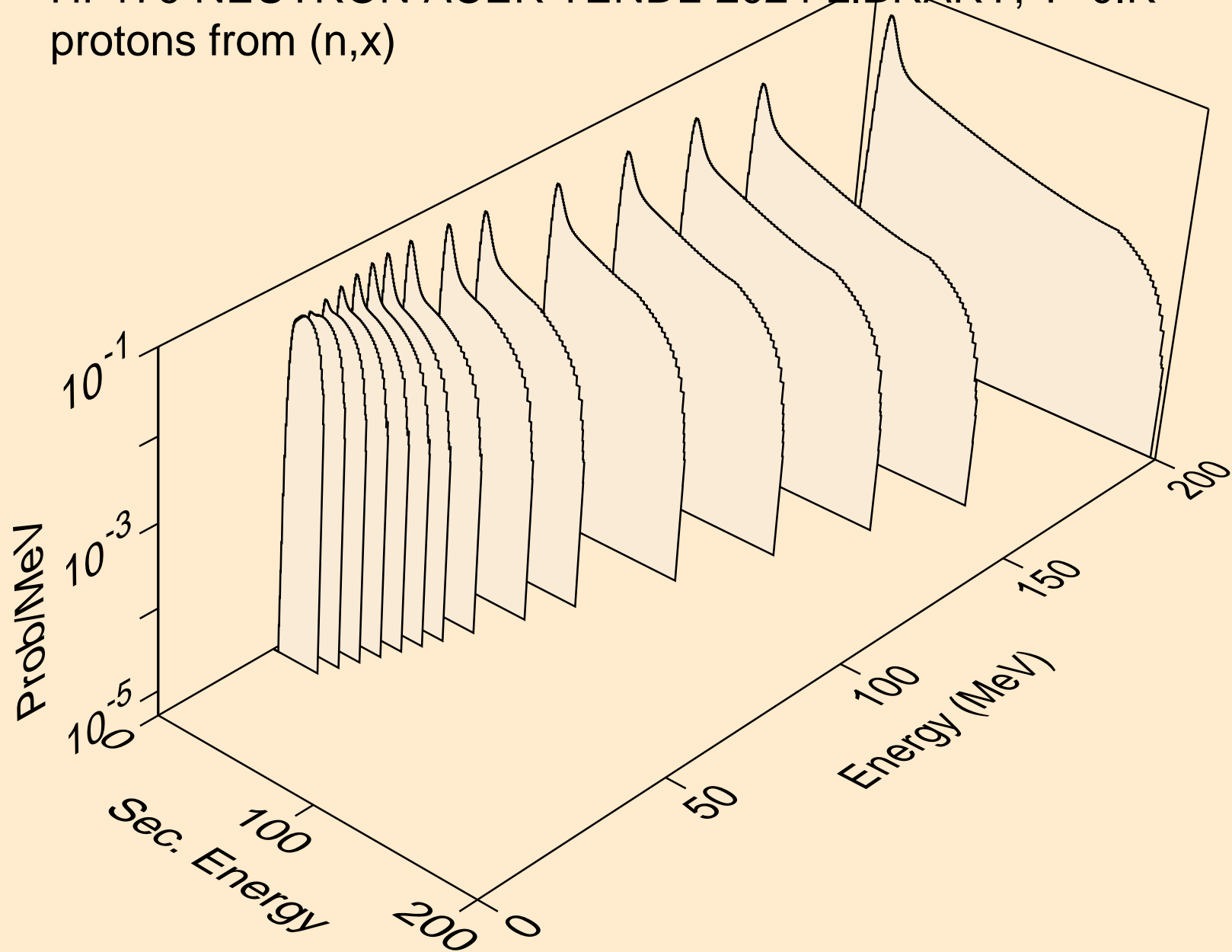


# HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

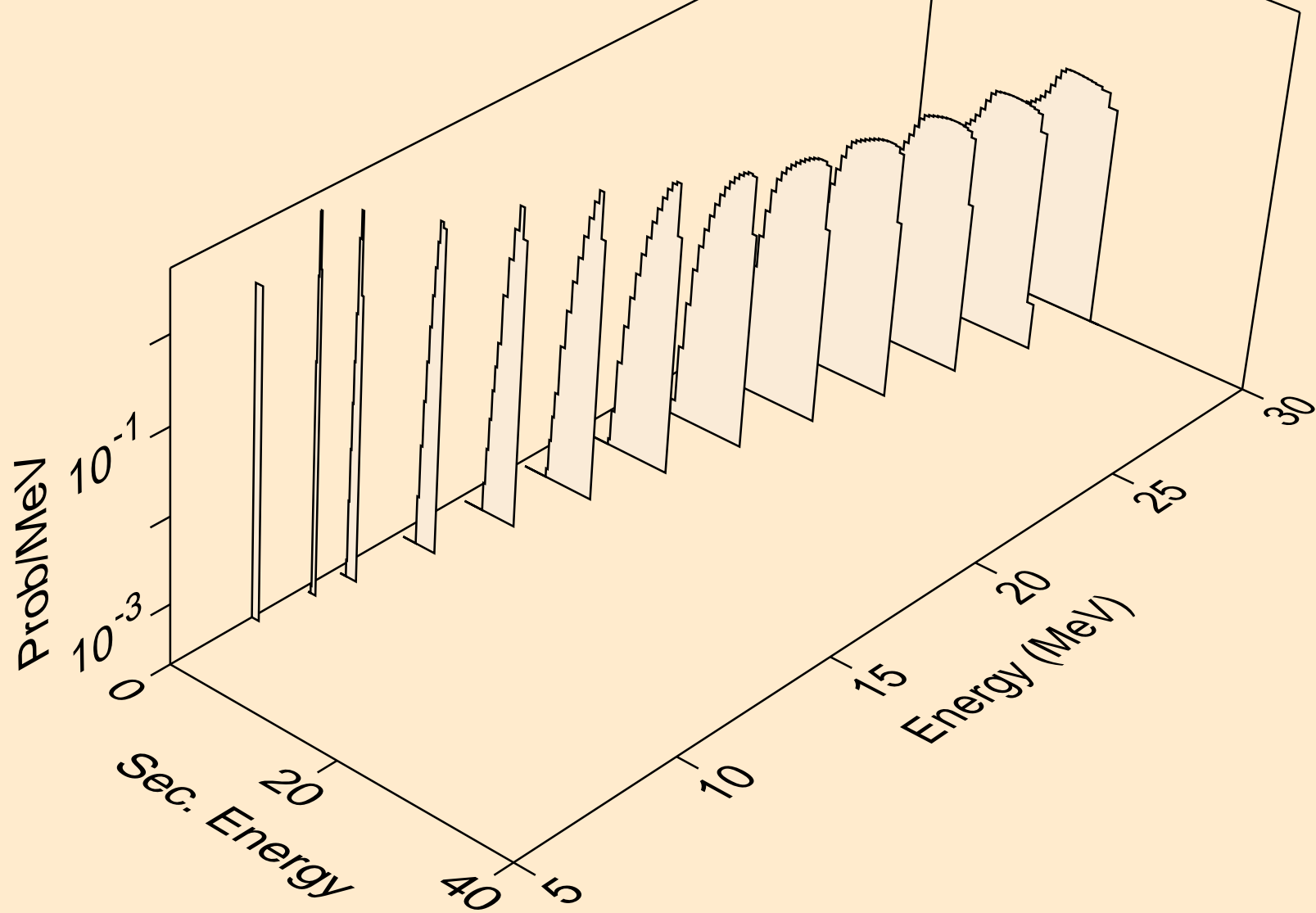
## Particle production cross sections



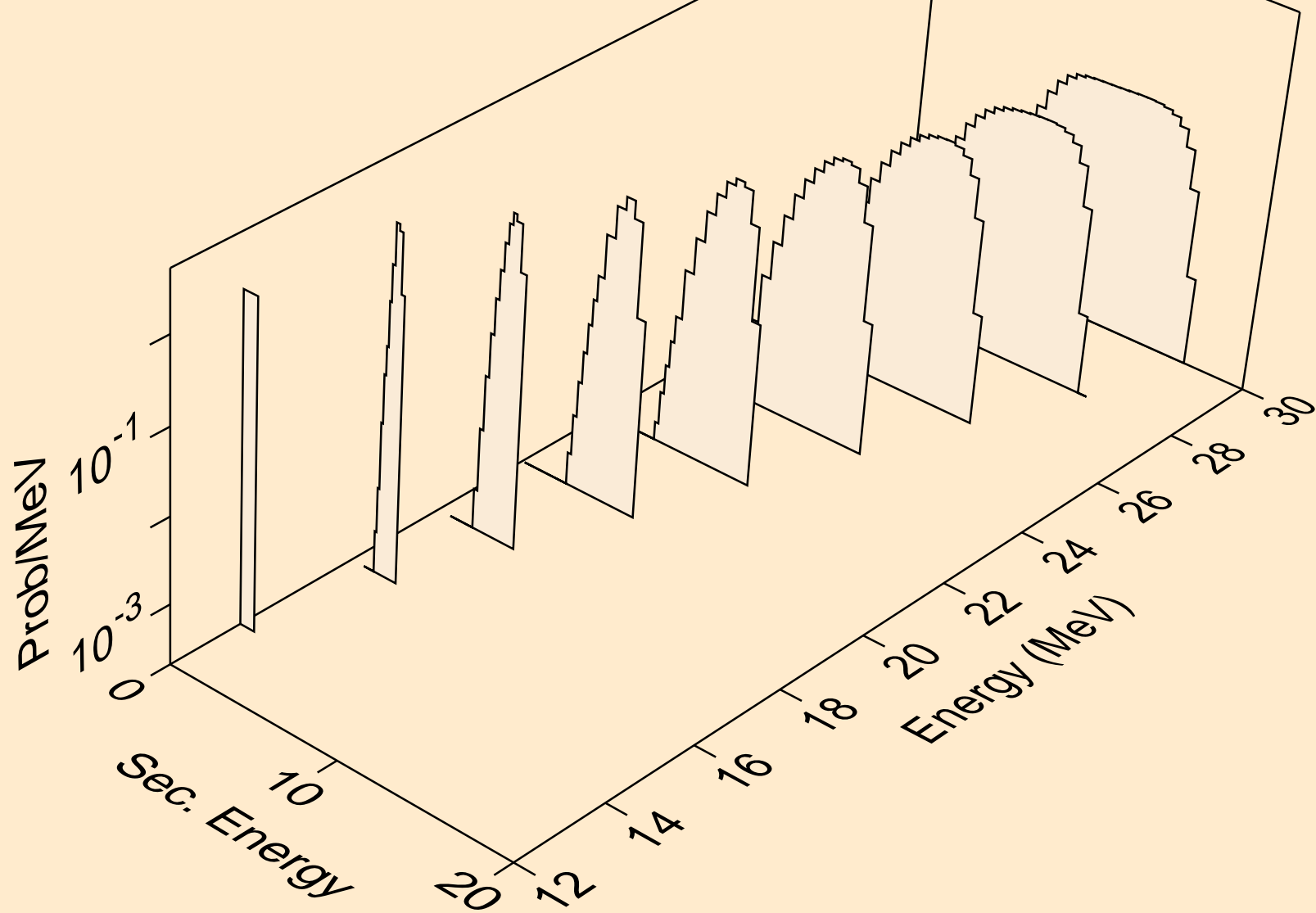
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,x)



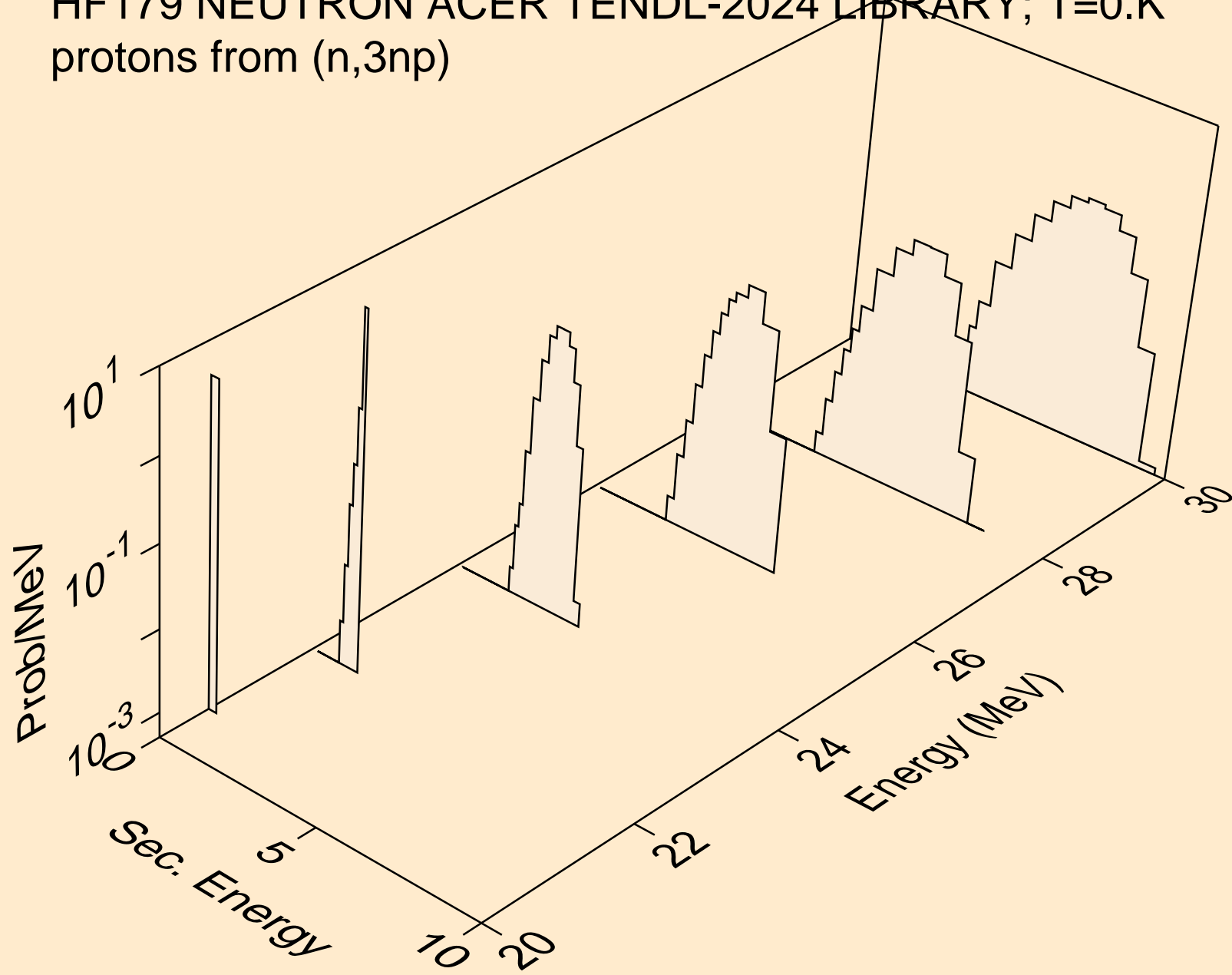
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,n\*)p



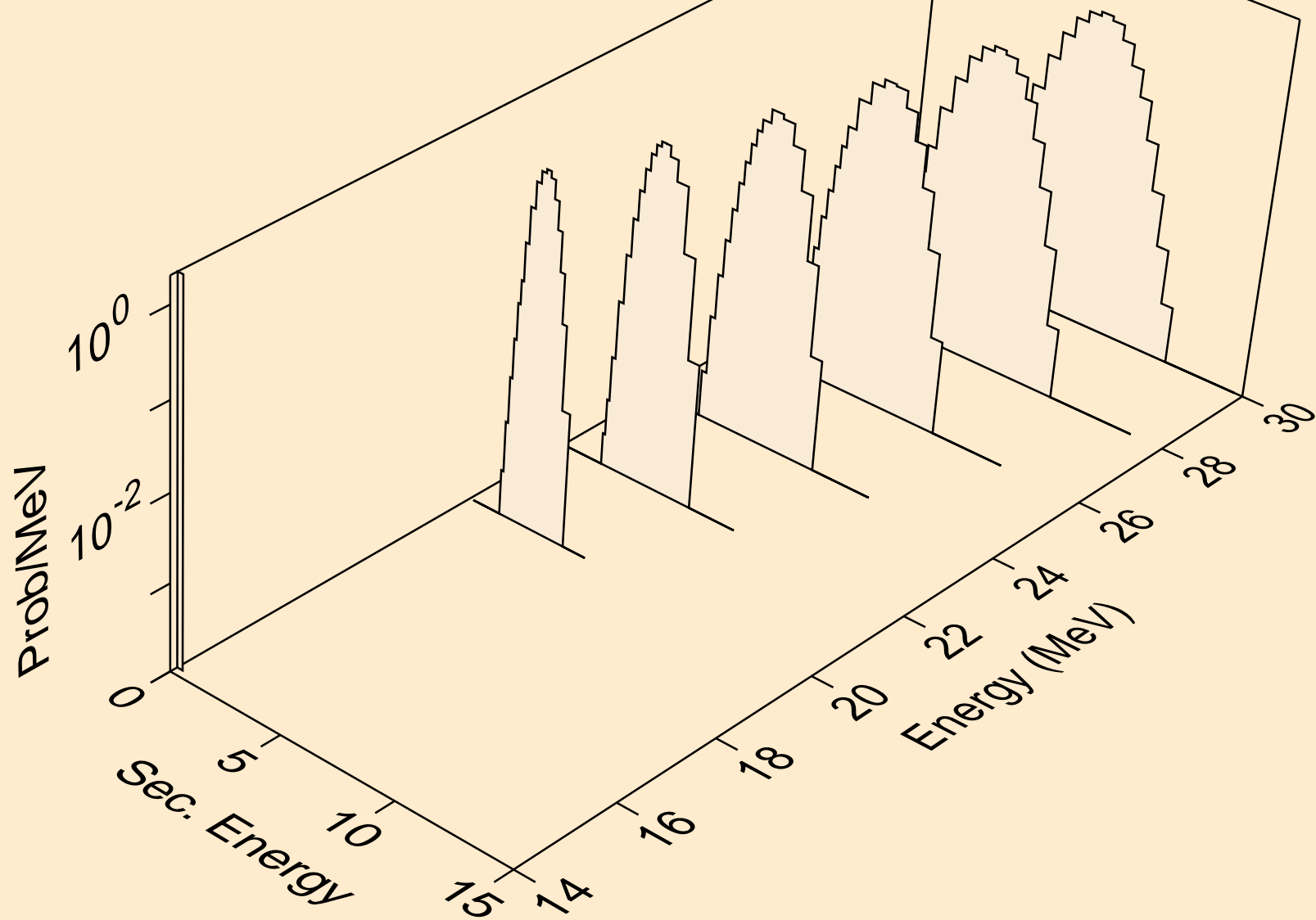
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,2np)



HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,3np)

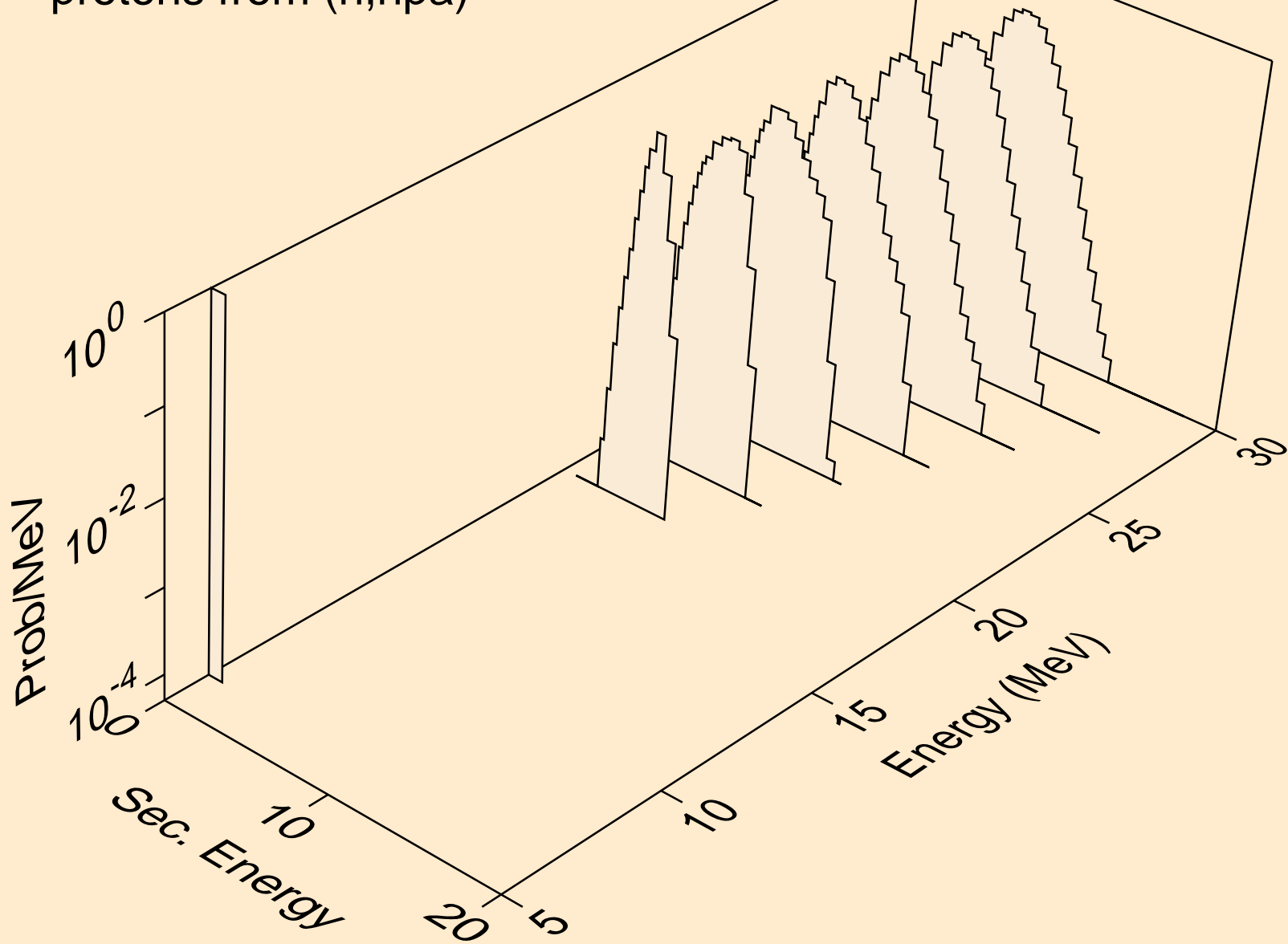


HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,n2p)

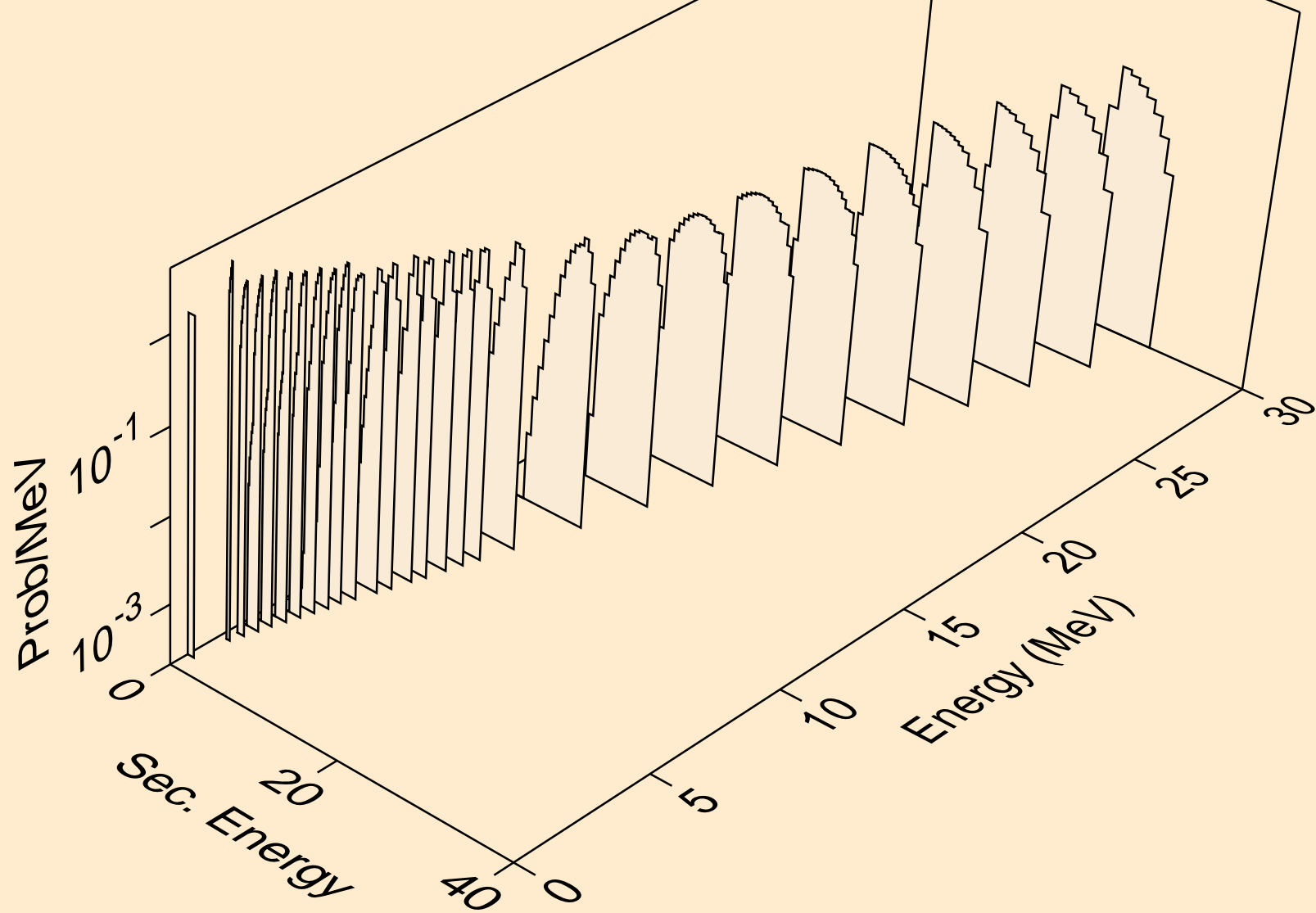




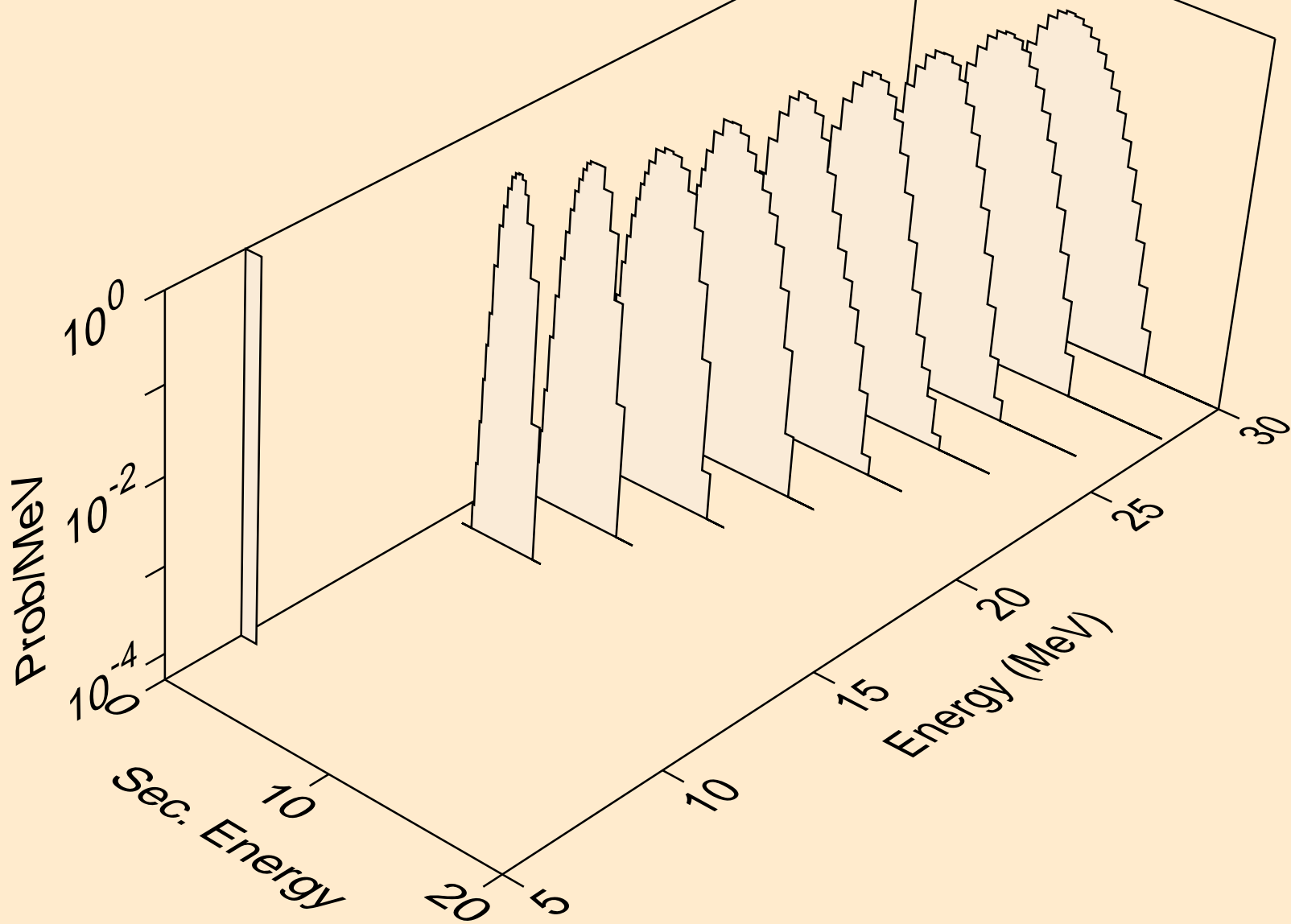
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,npa)



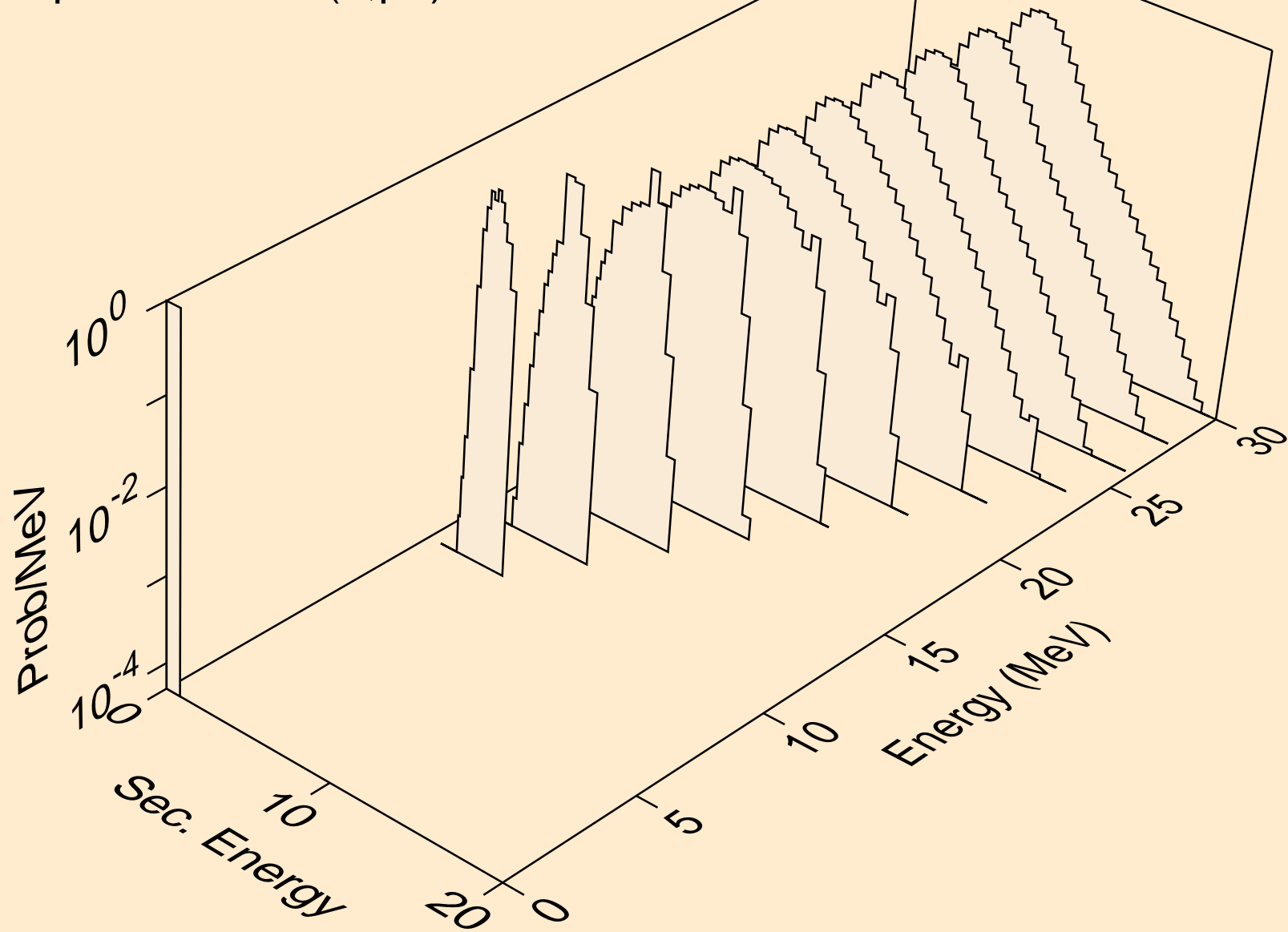
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,p)



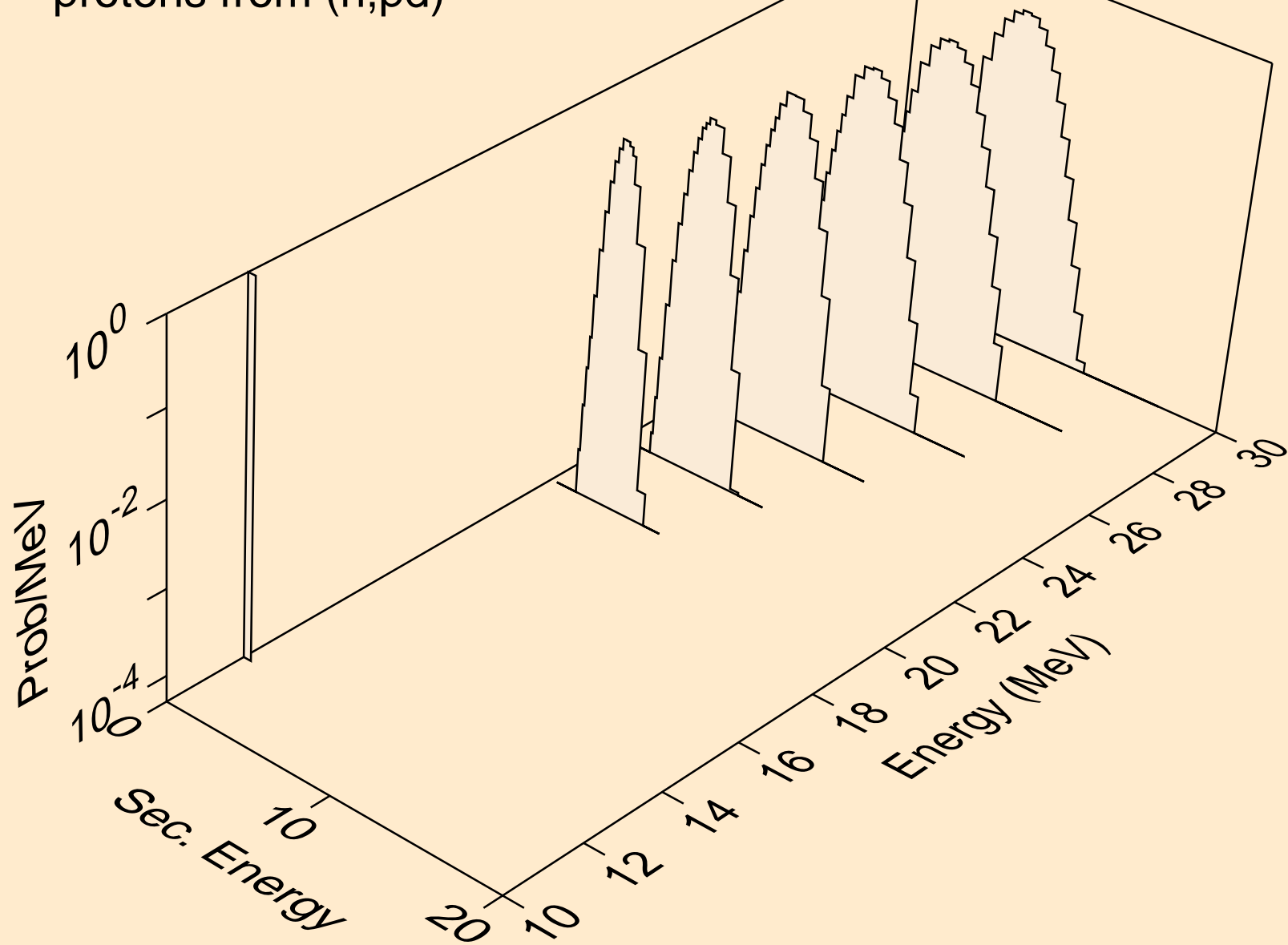
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,2p)



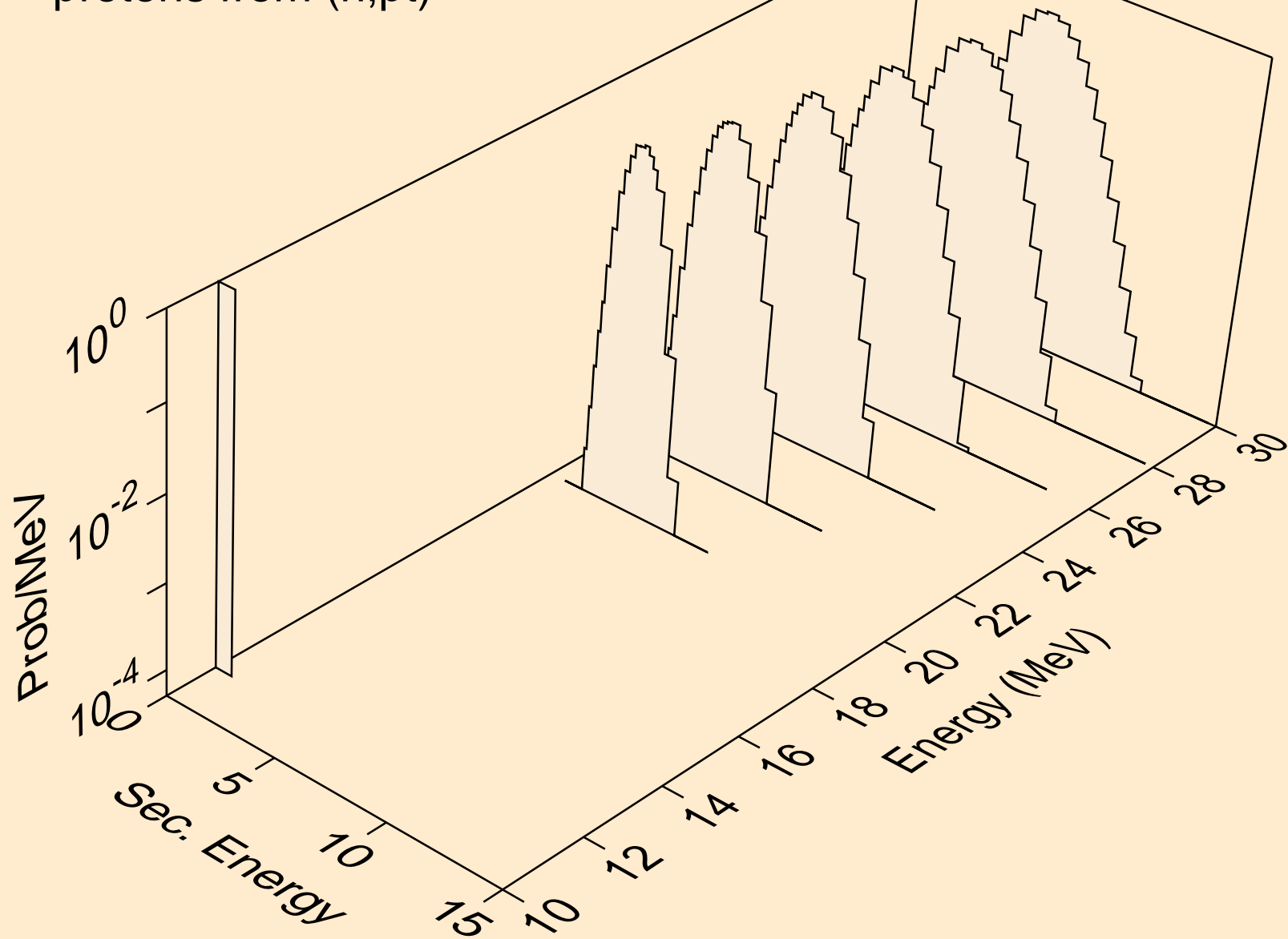
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,pa)



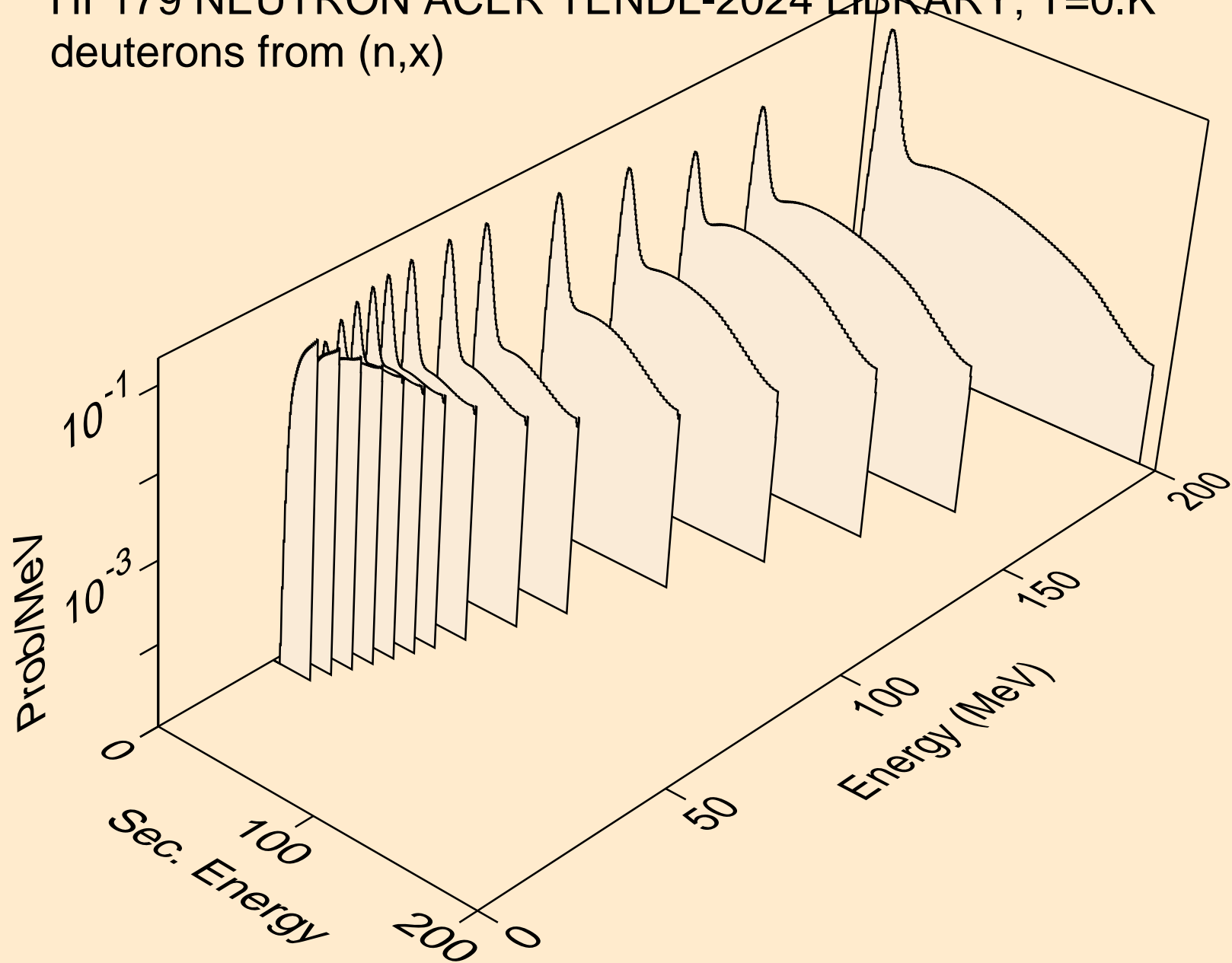
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,pd)



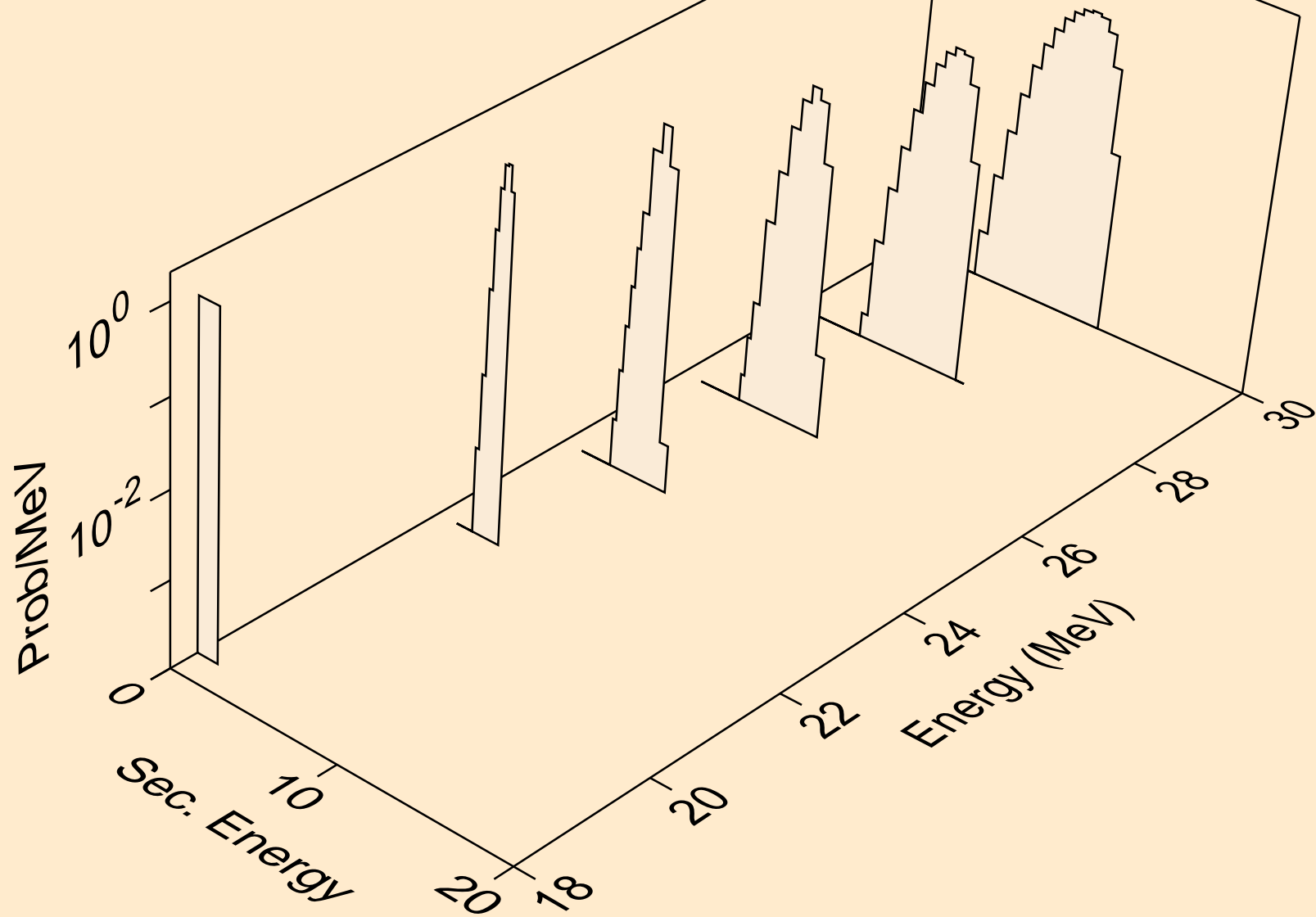
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,pt)



HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,x)

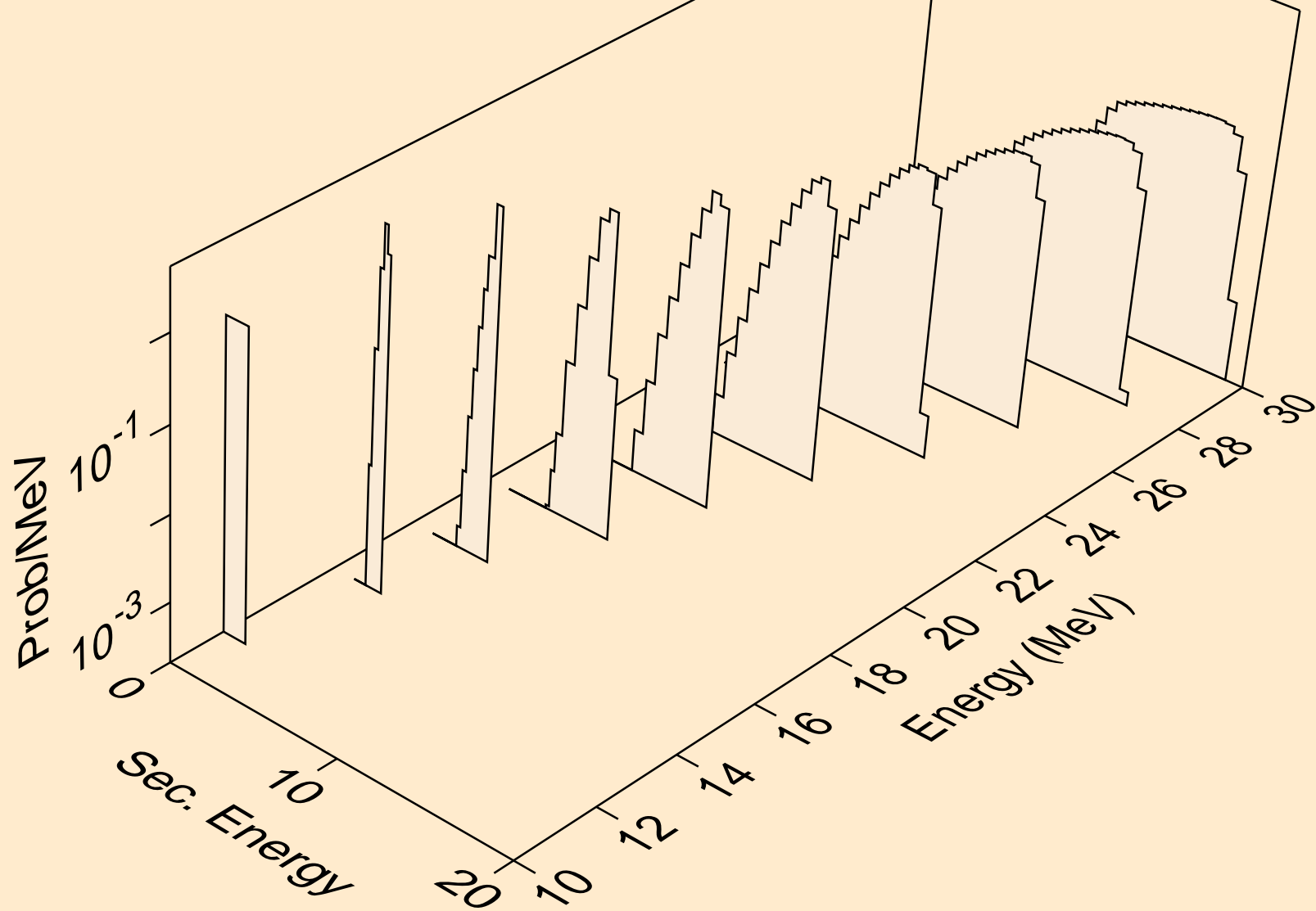


HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,2nd)

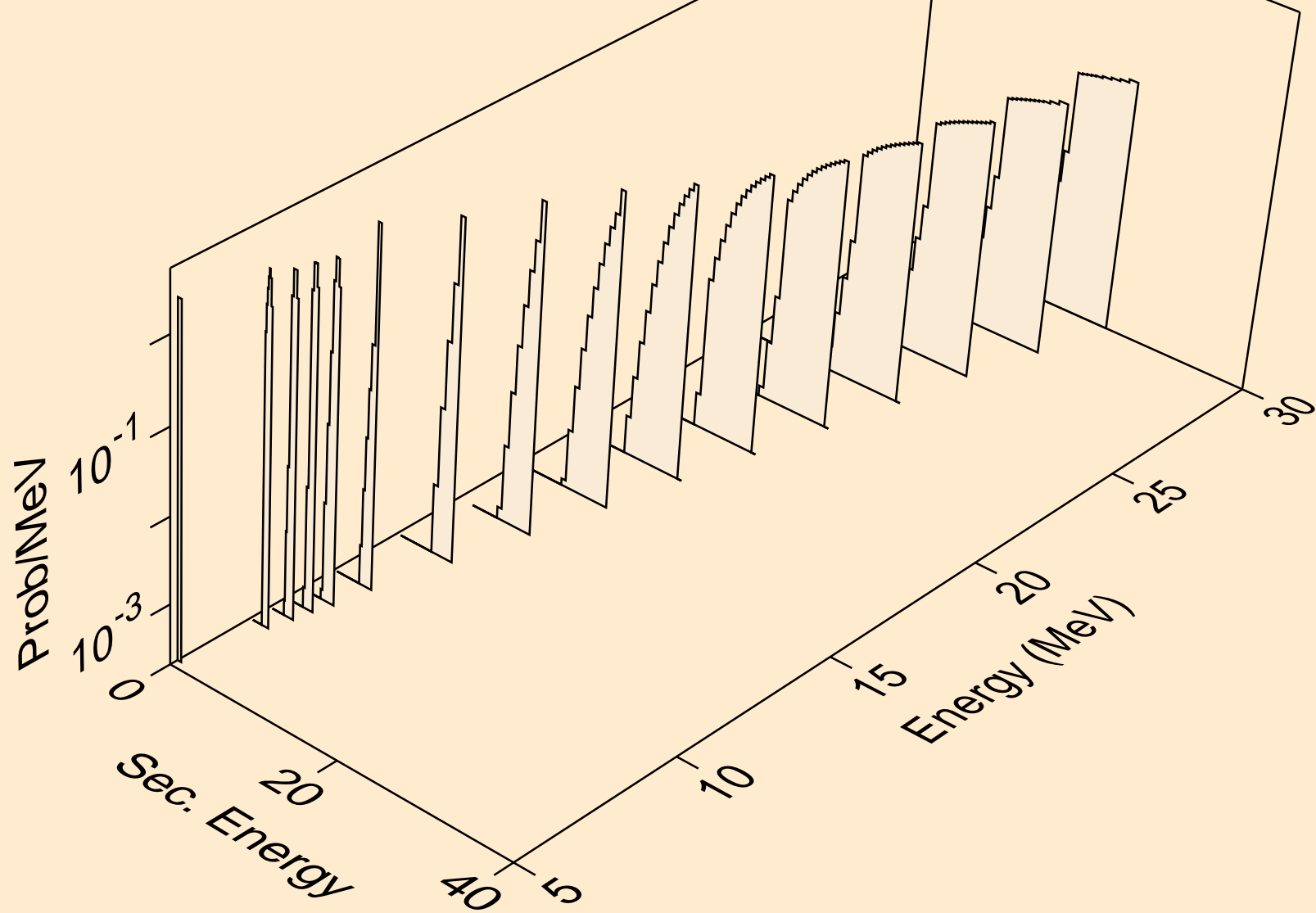




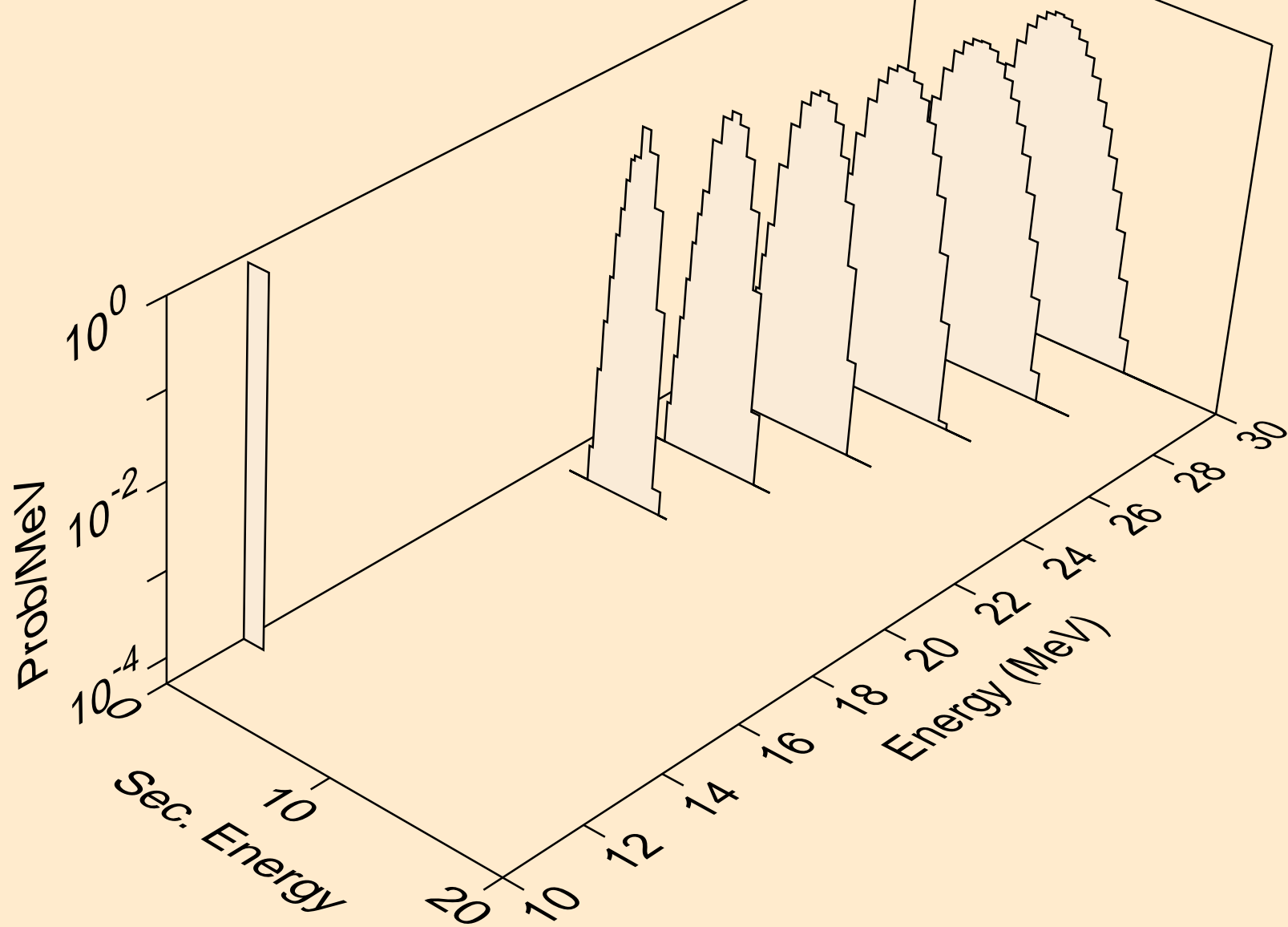
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,n\*)d



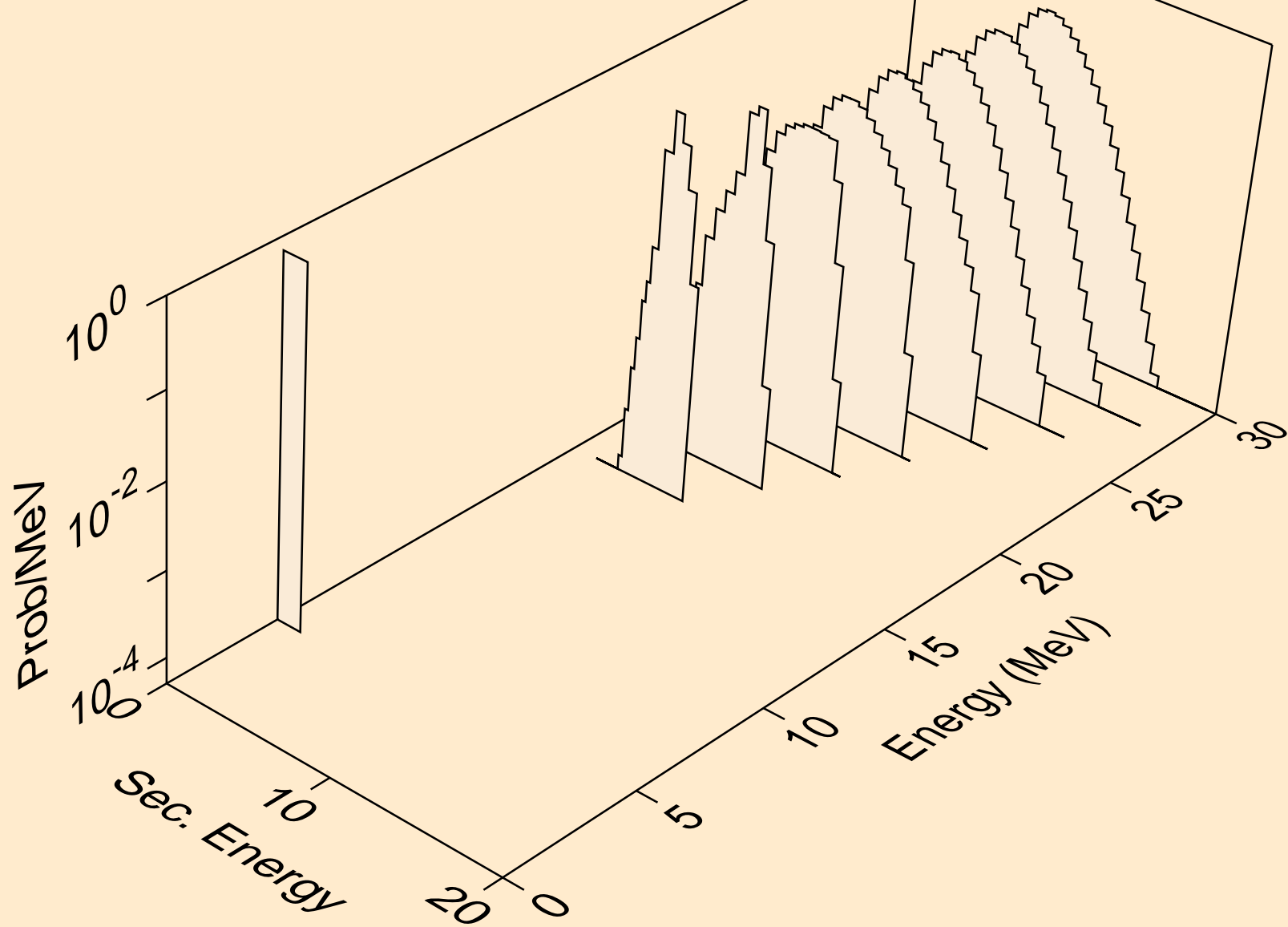
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,d)



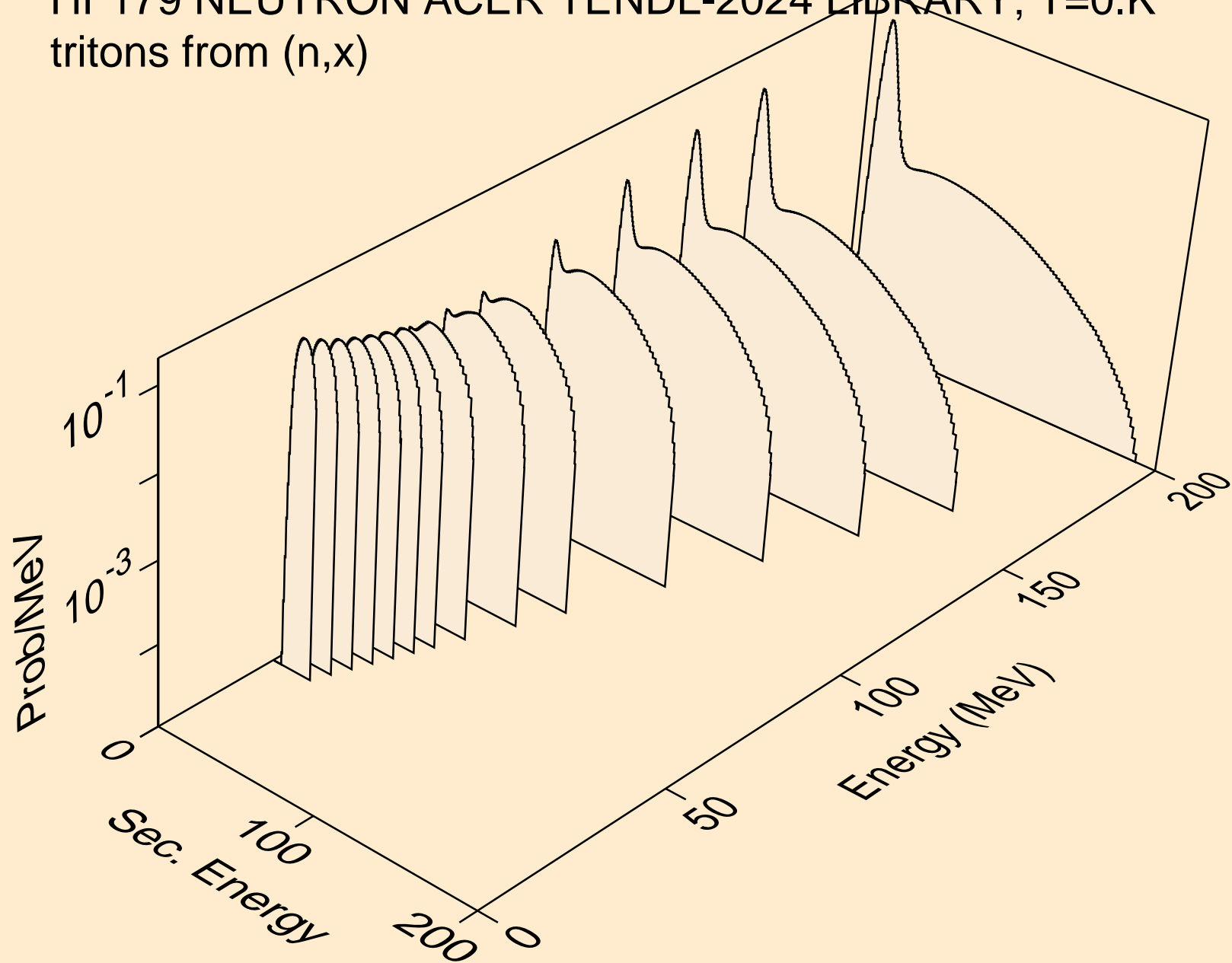
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,pd)



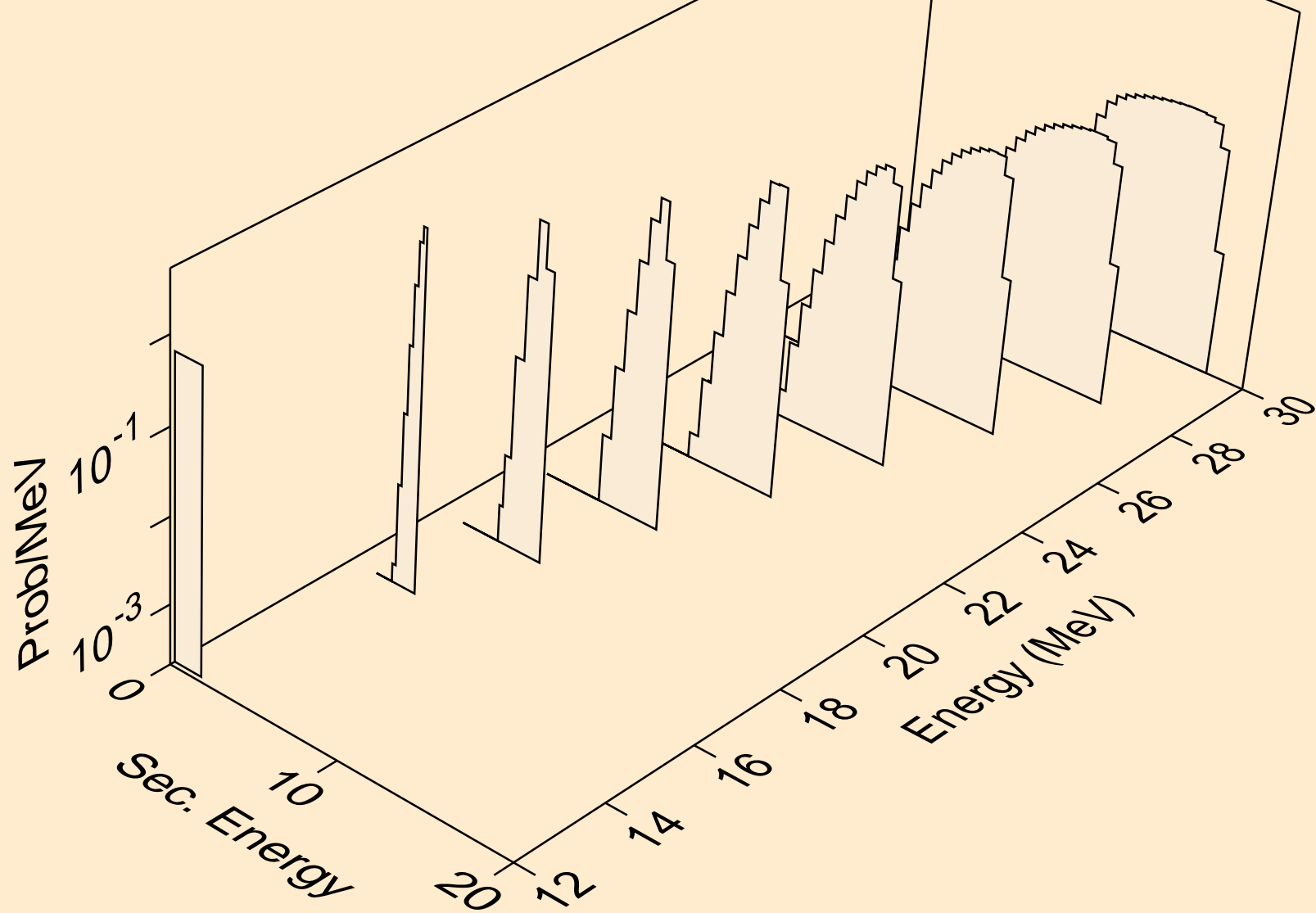
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,da)



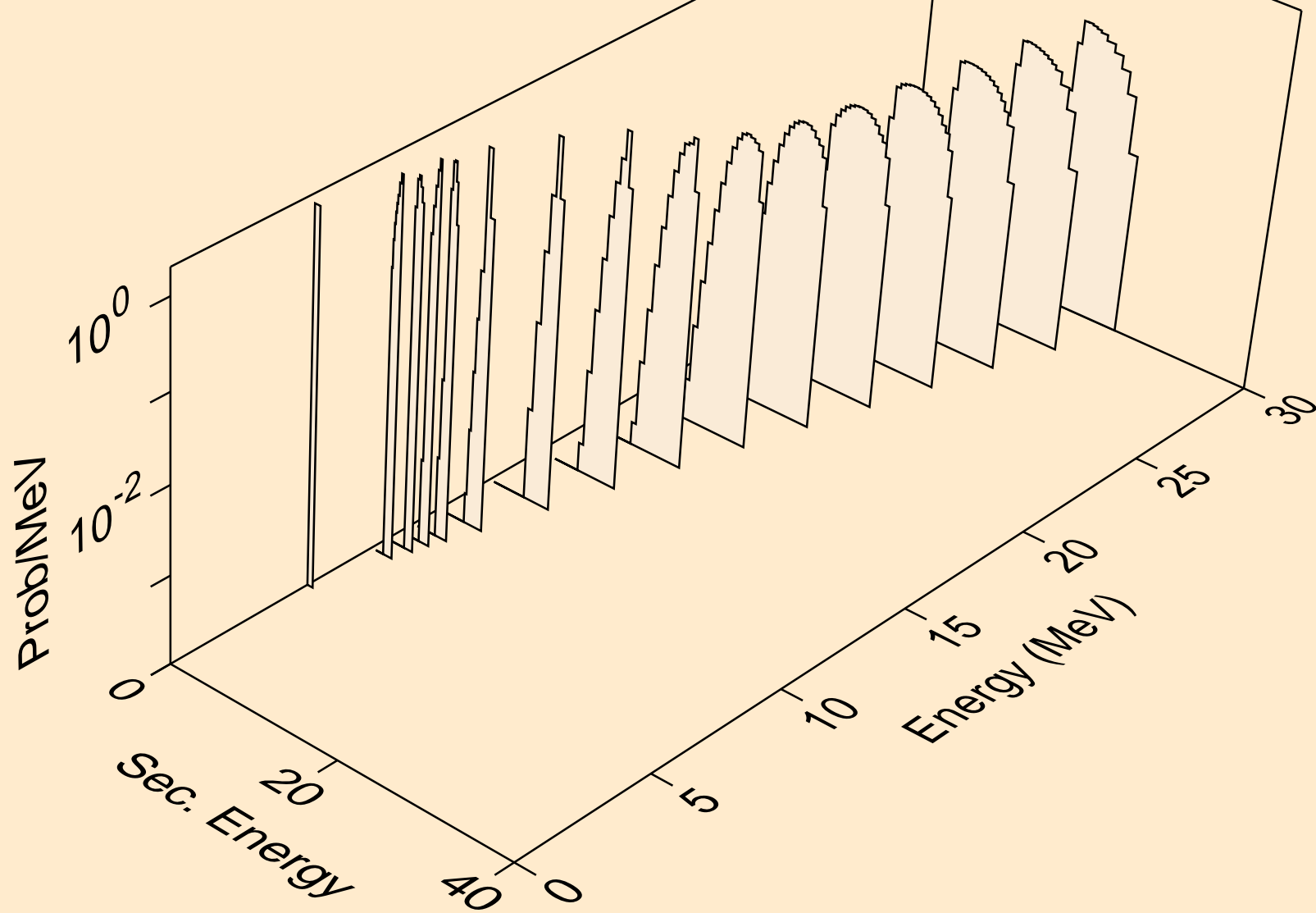
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,x)



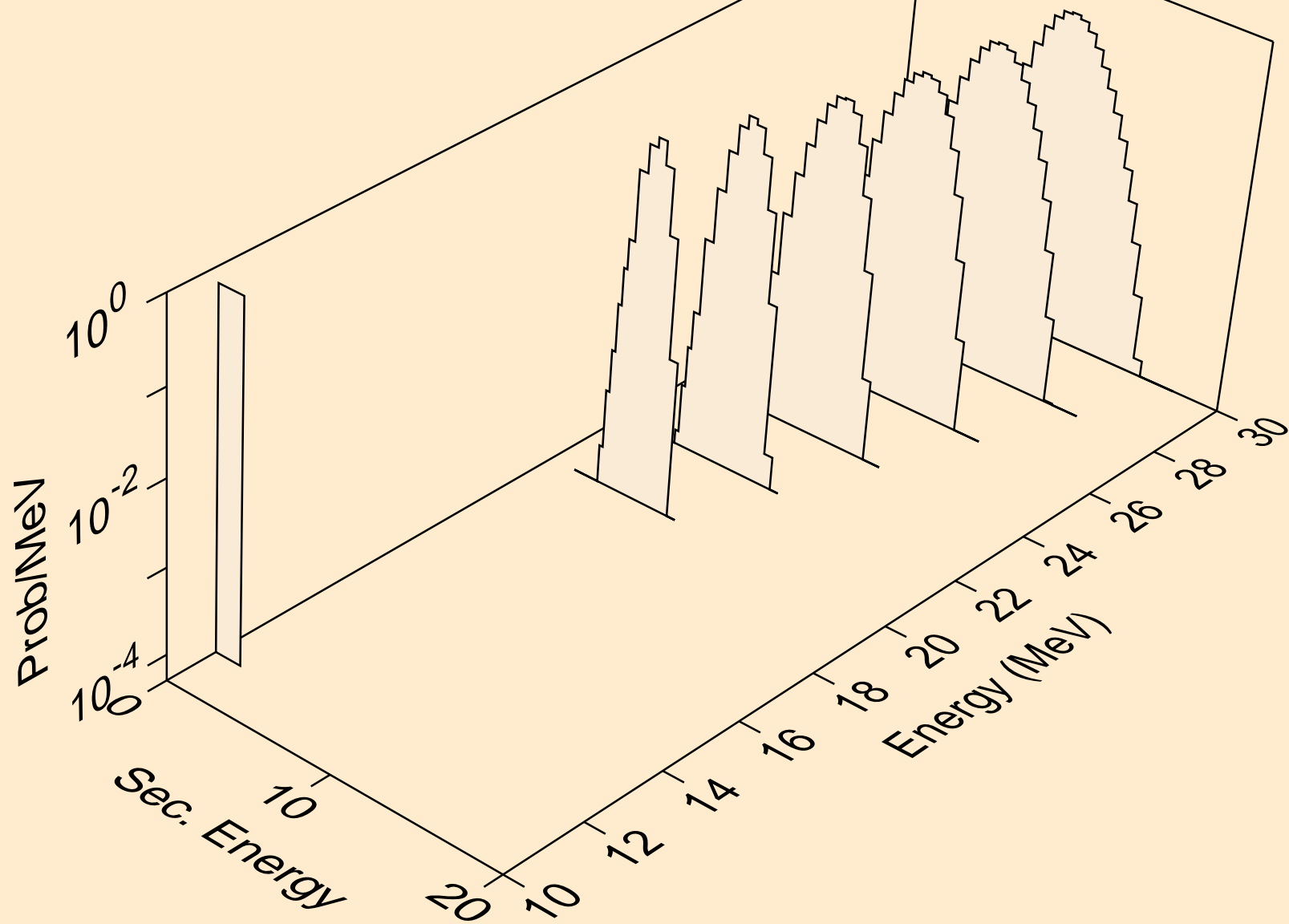
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,n\*)t



HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,t)

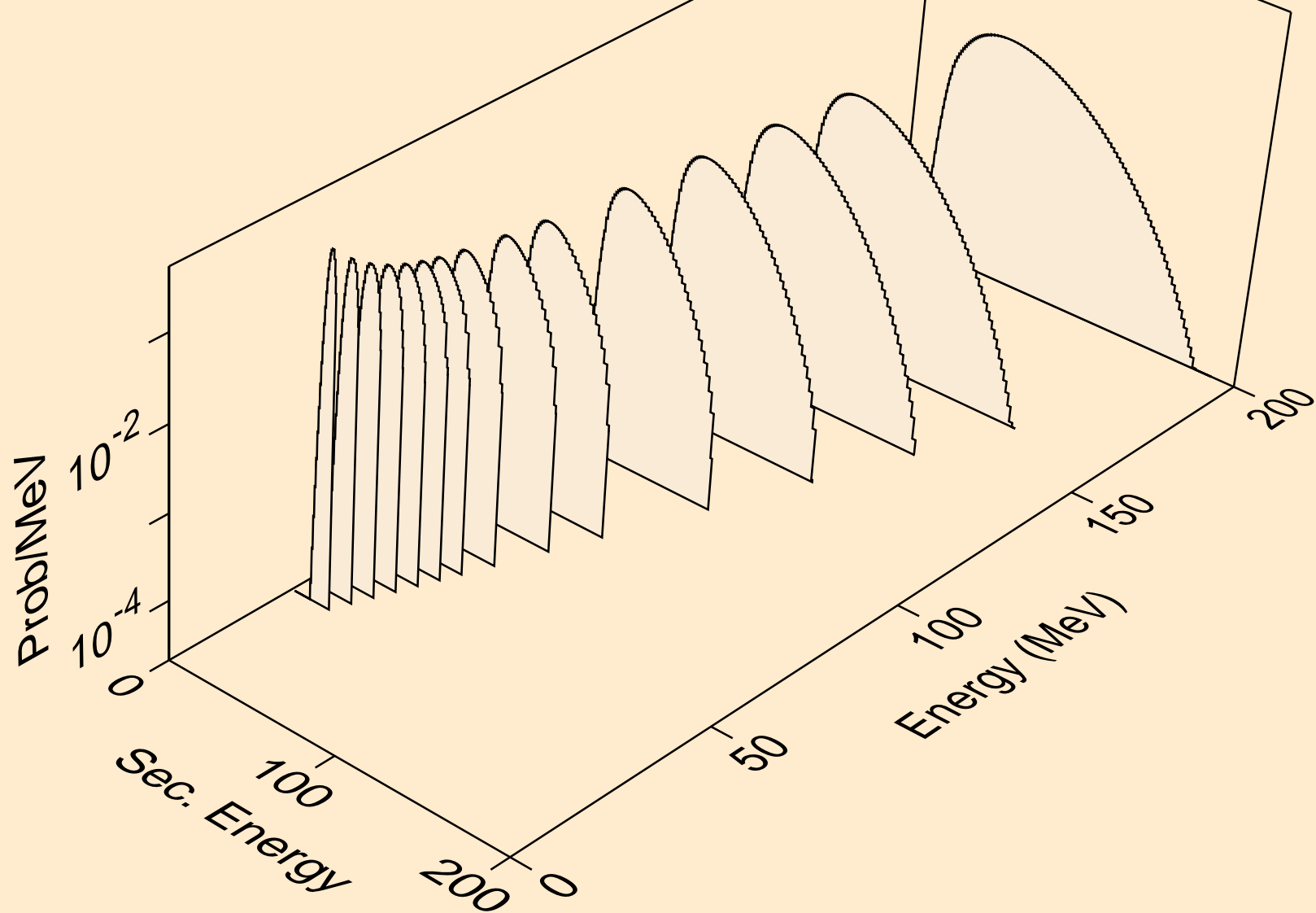


HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,pt)

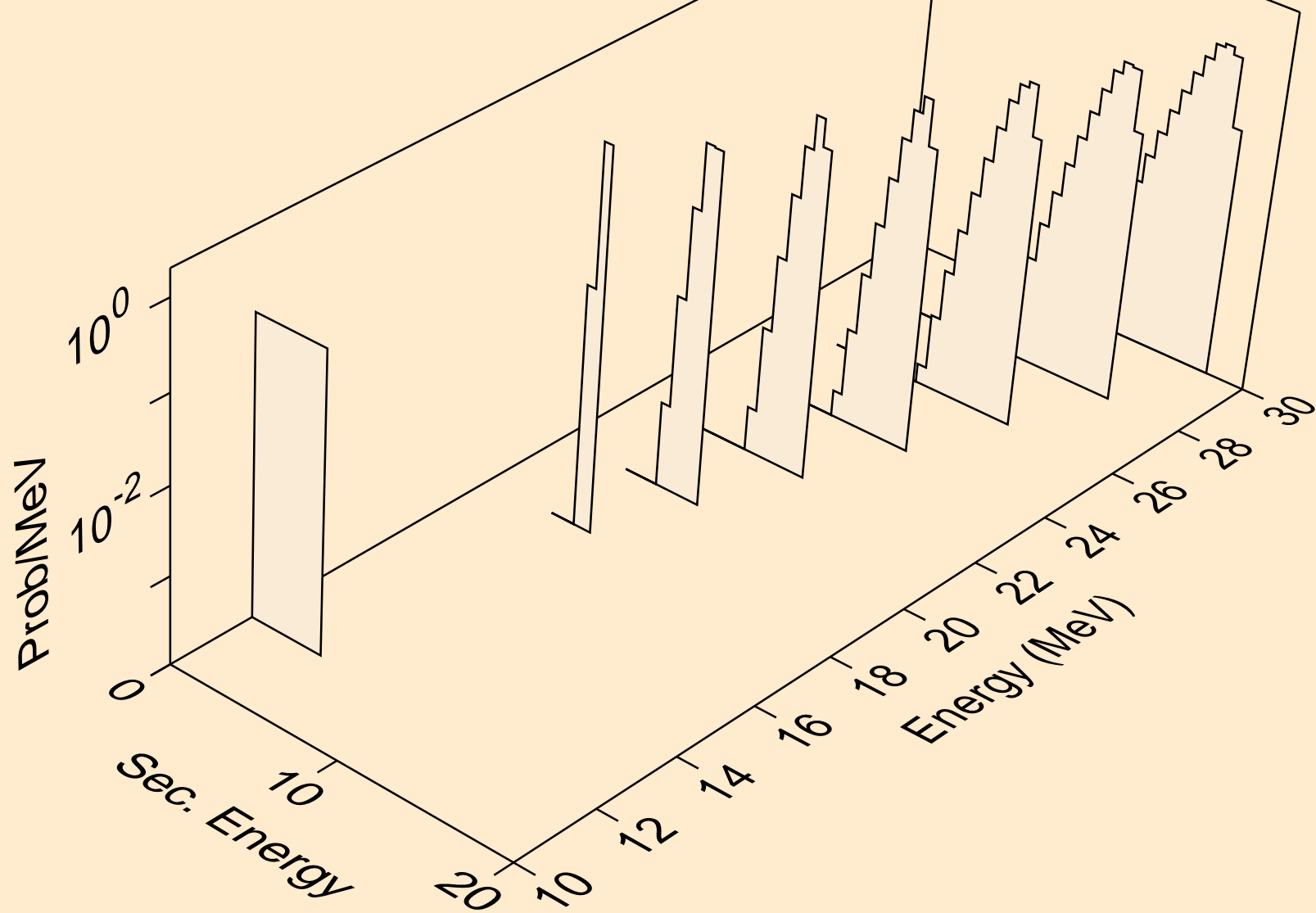




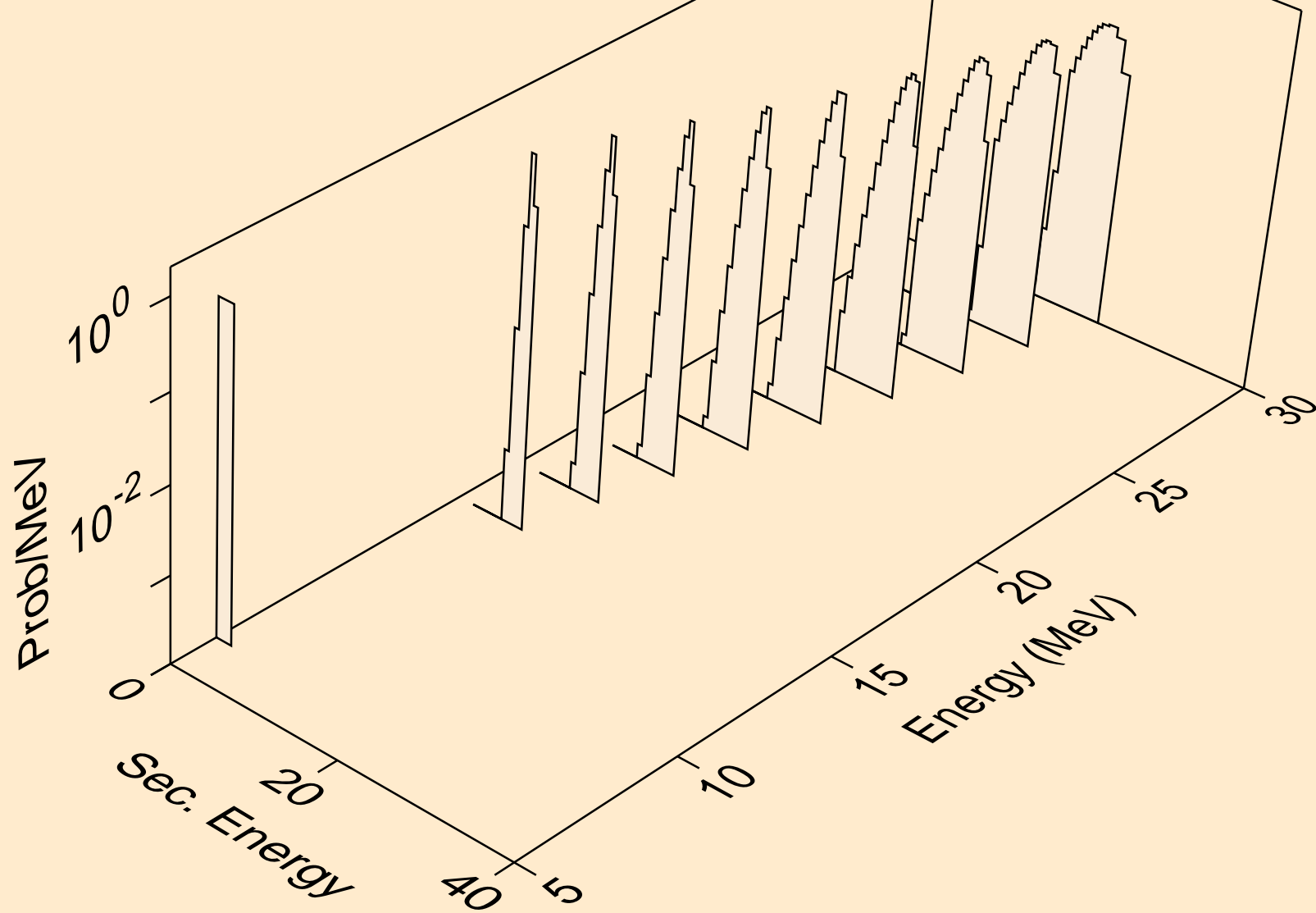
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,x)



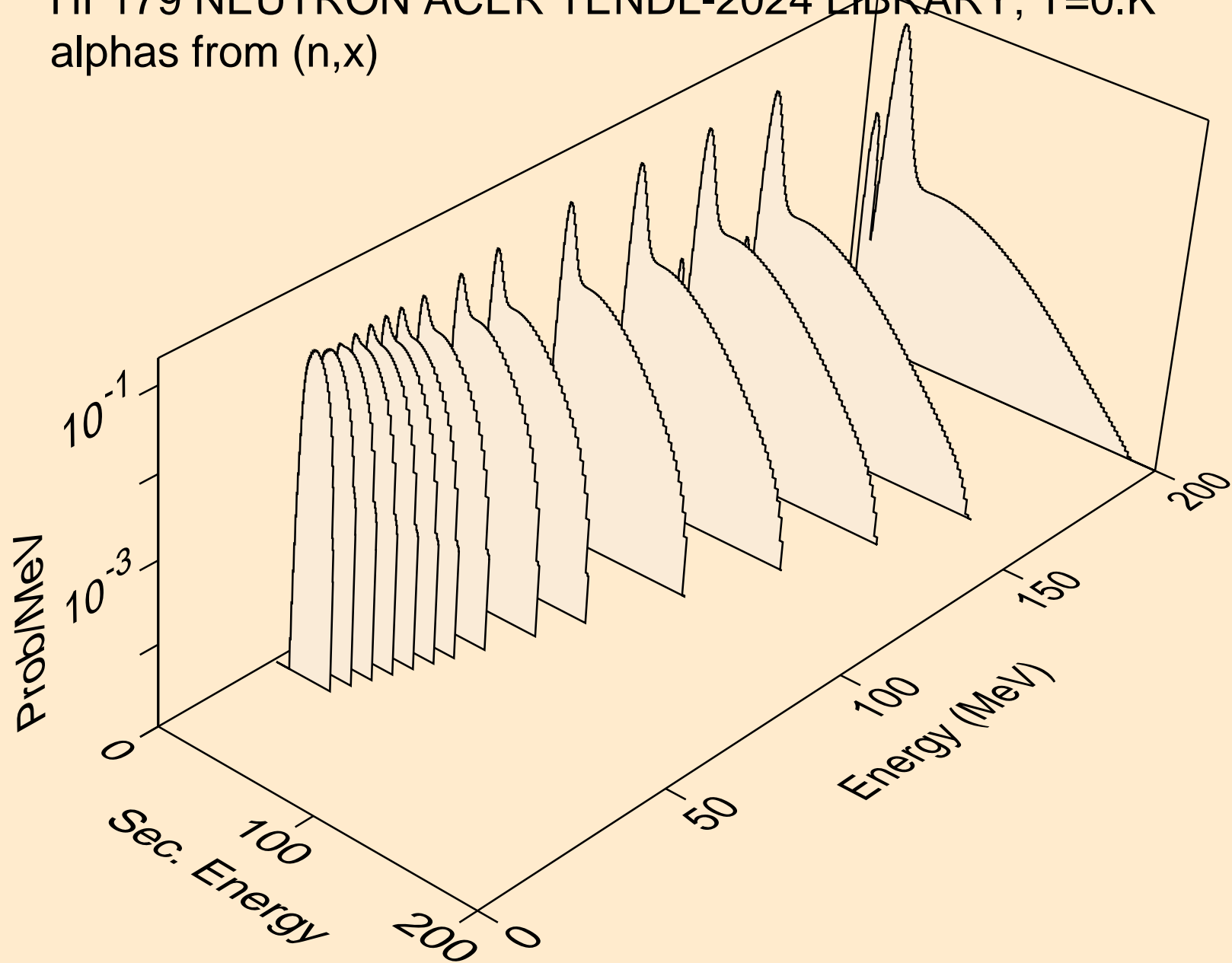
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,n\*)he3



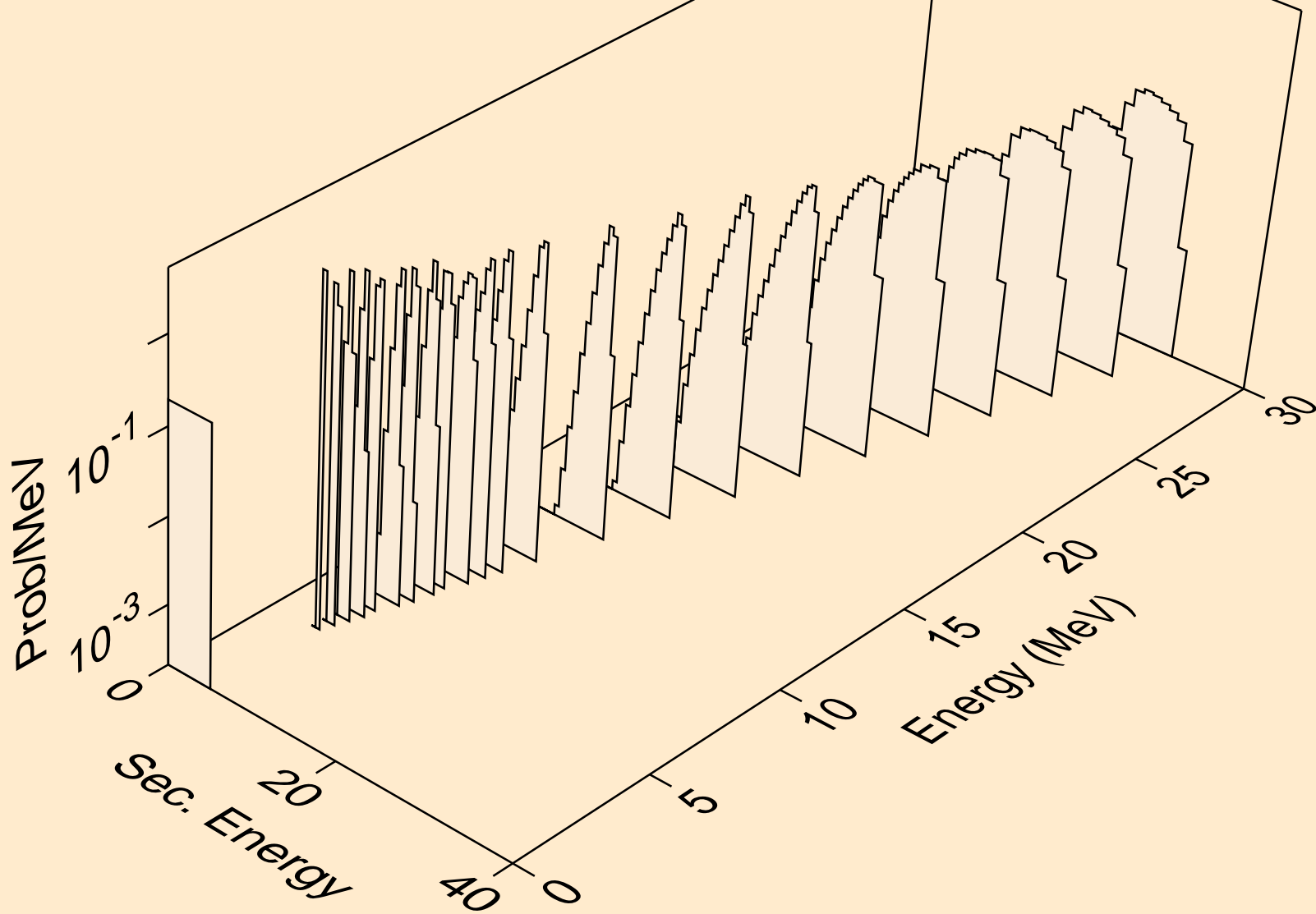
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,he3)



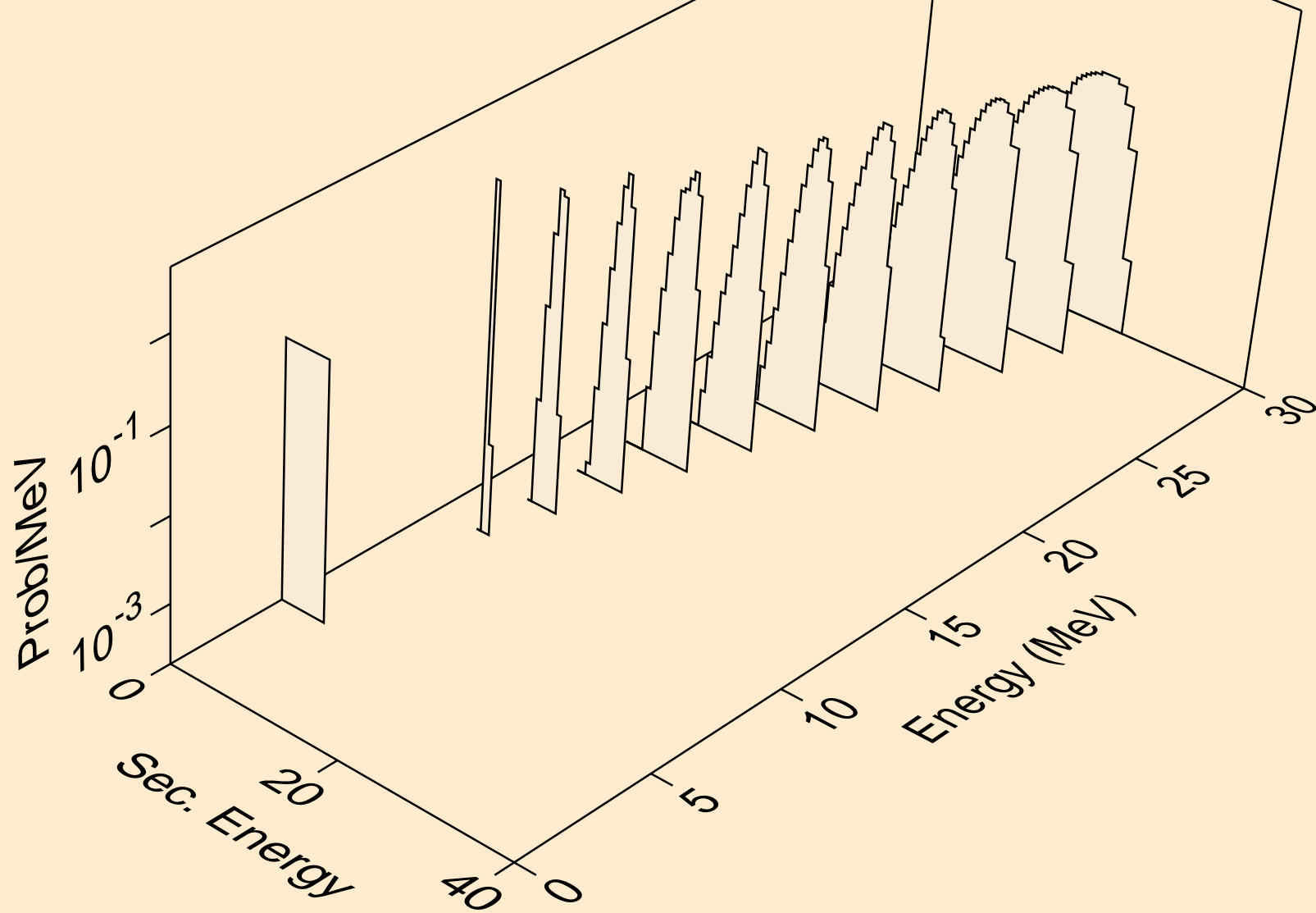
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,x)



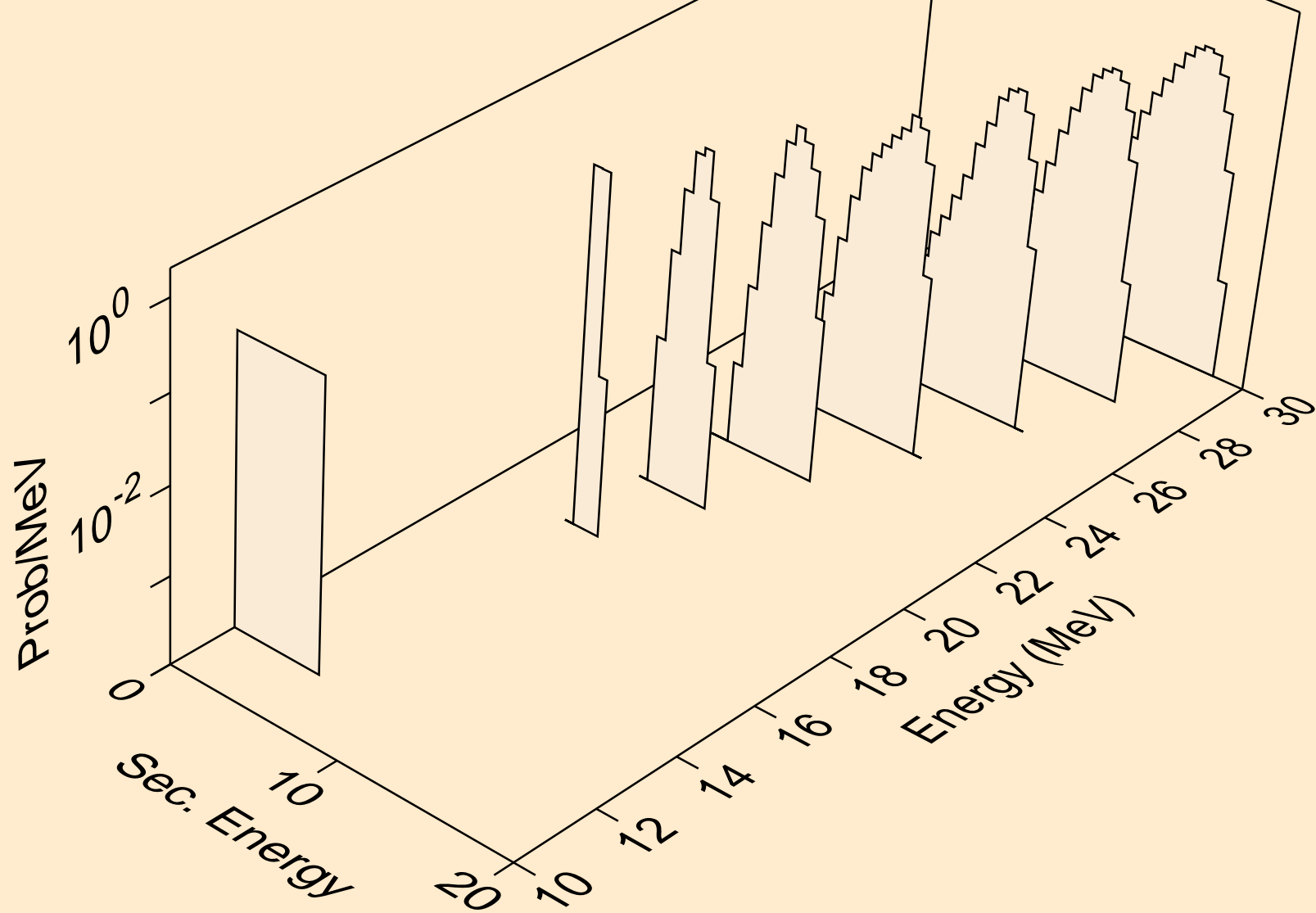
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)a



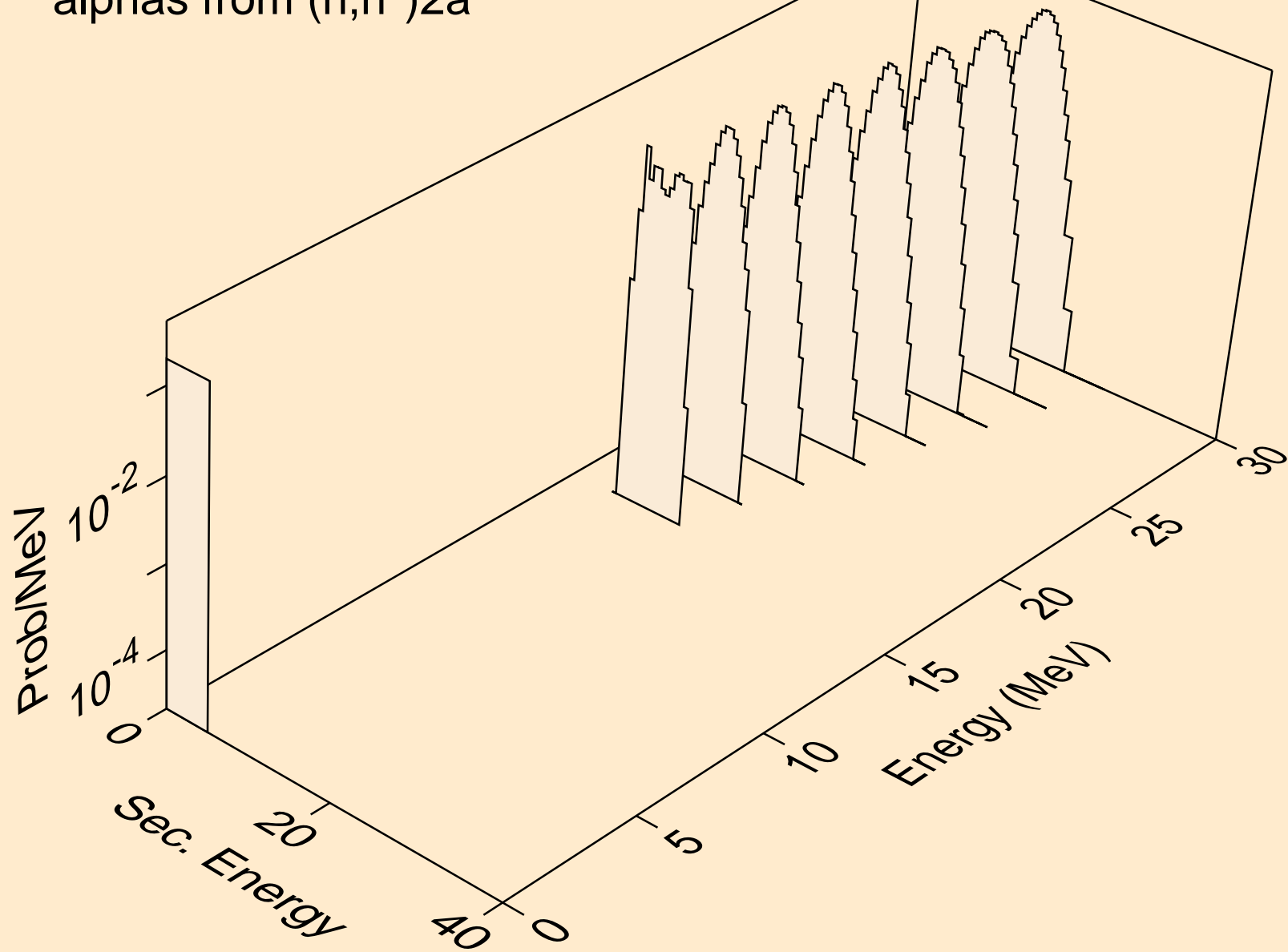
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2n)a



HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,3n)a

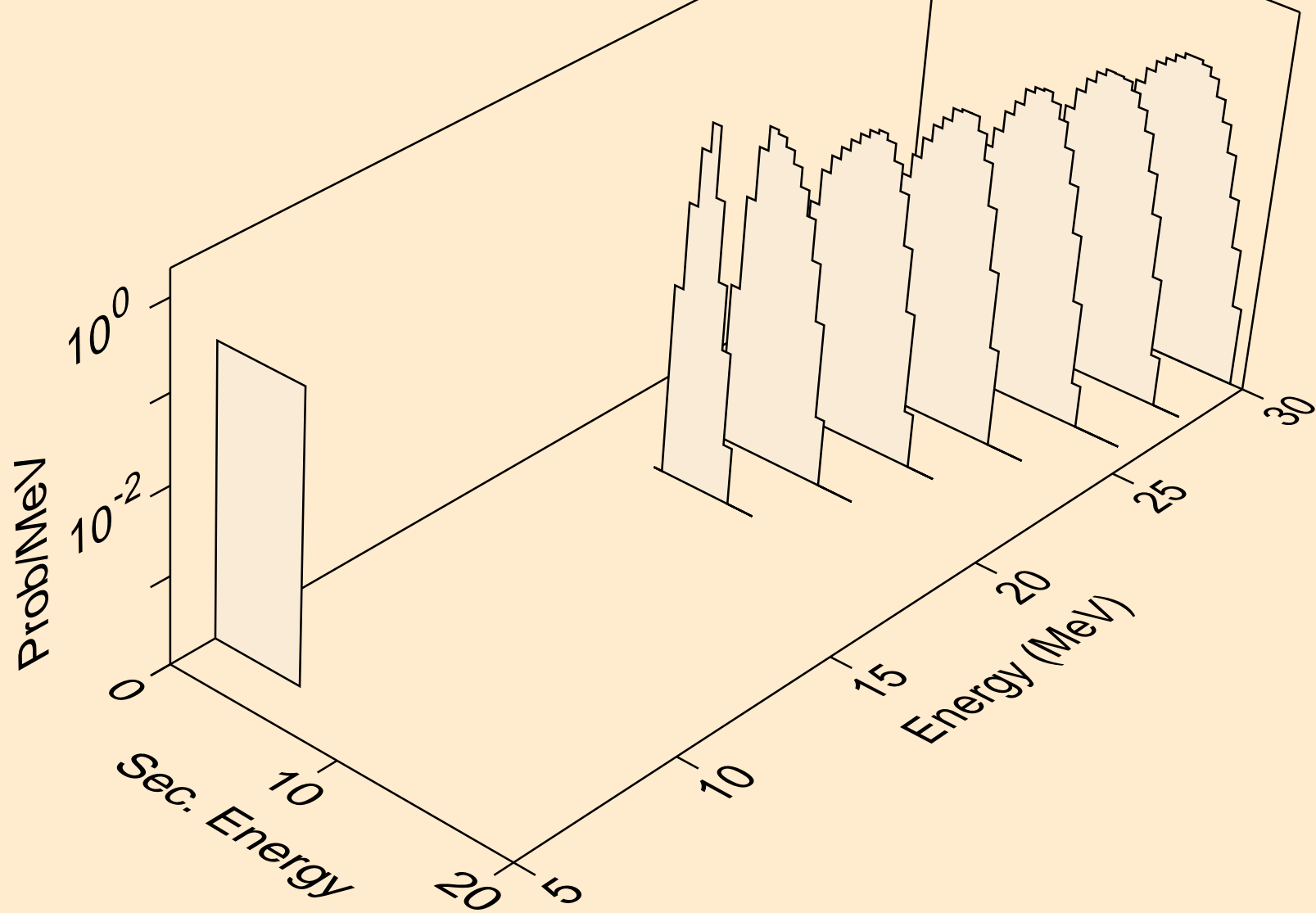


HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)2a

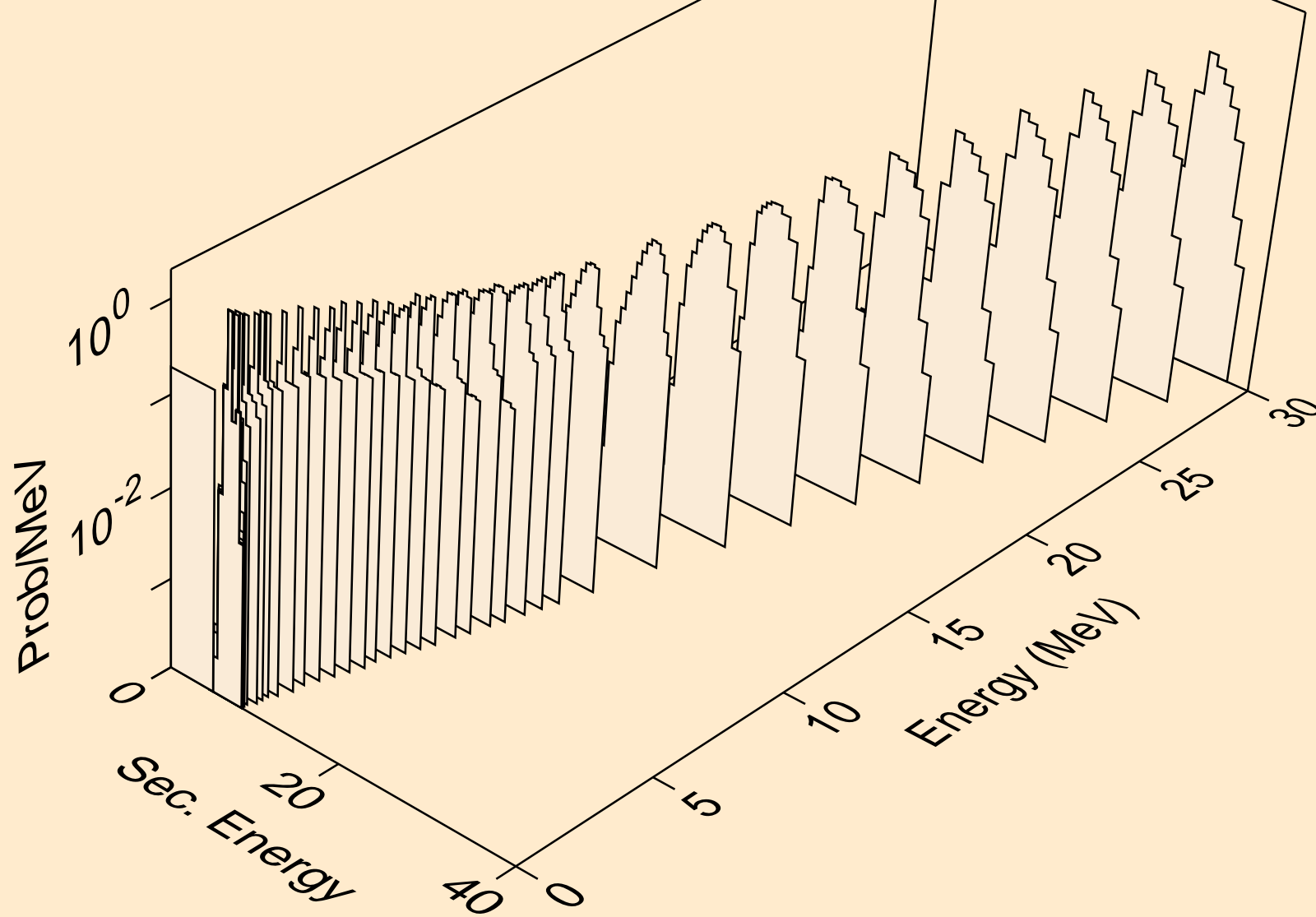




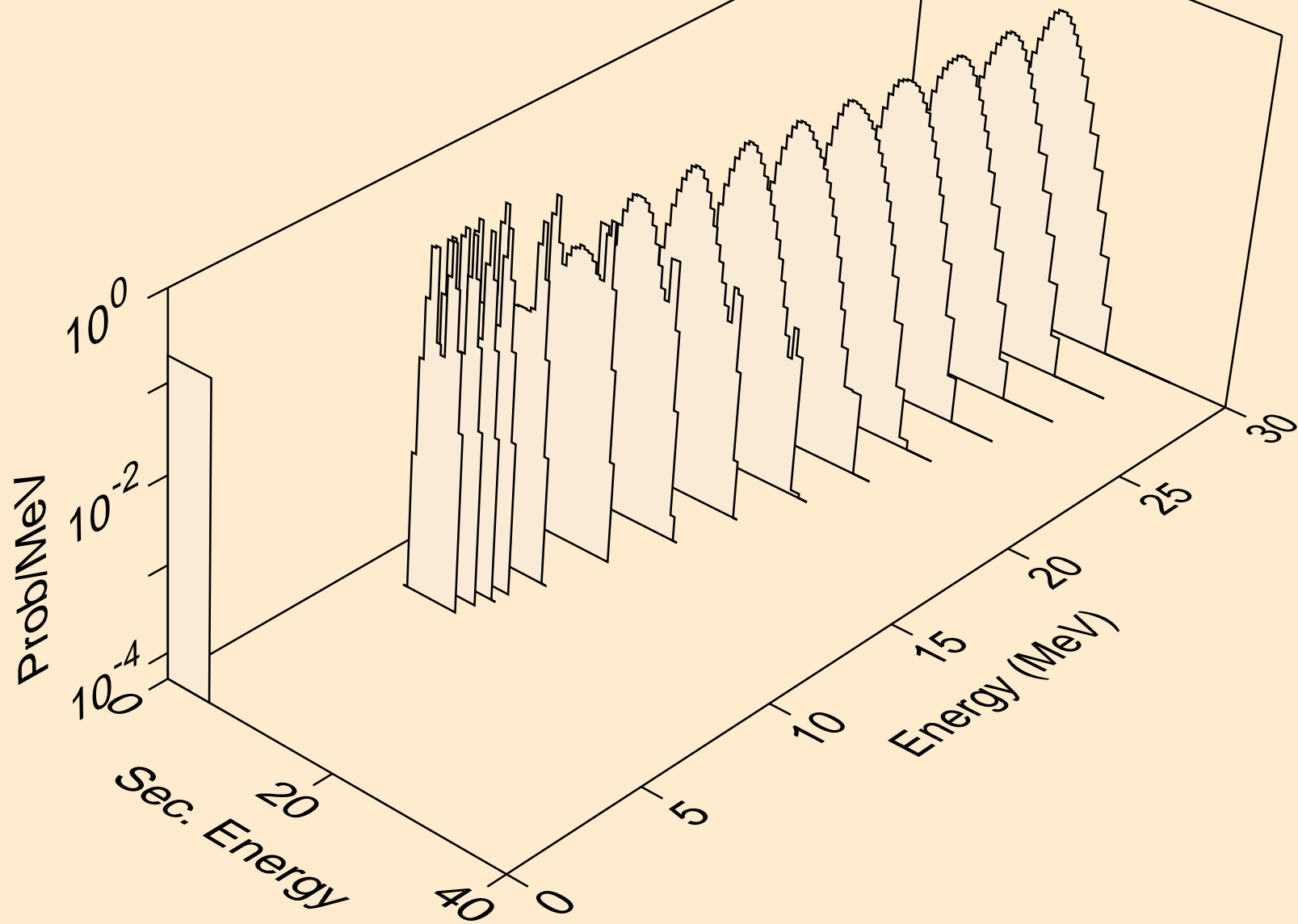
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,npa)



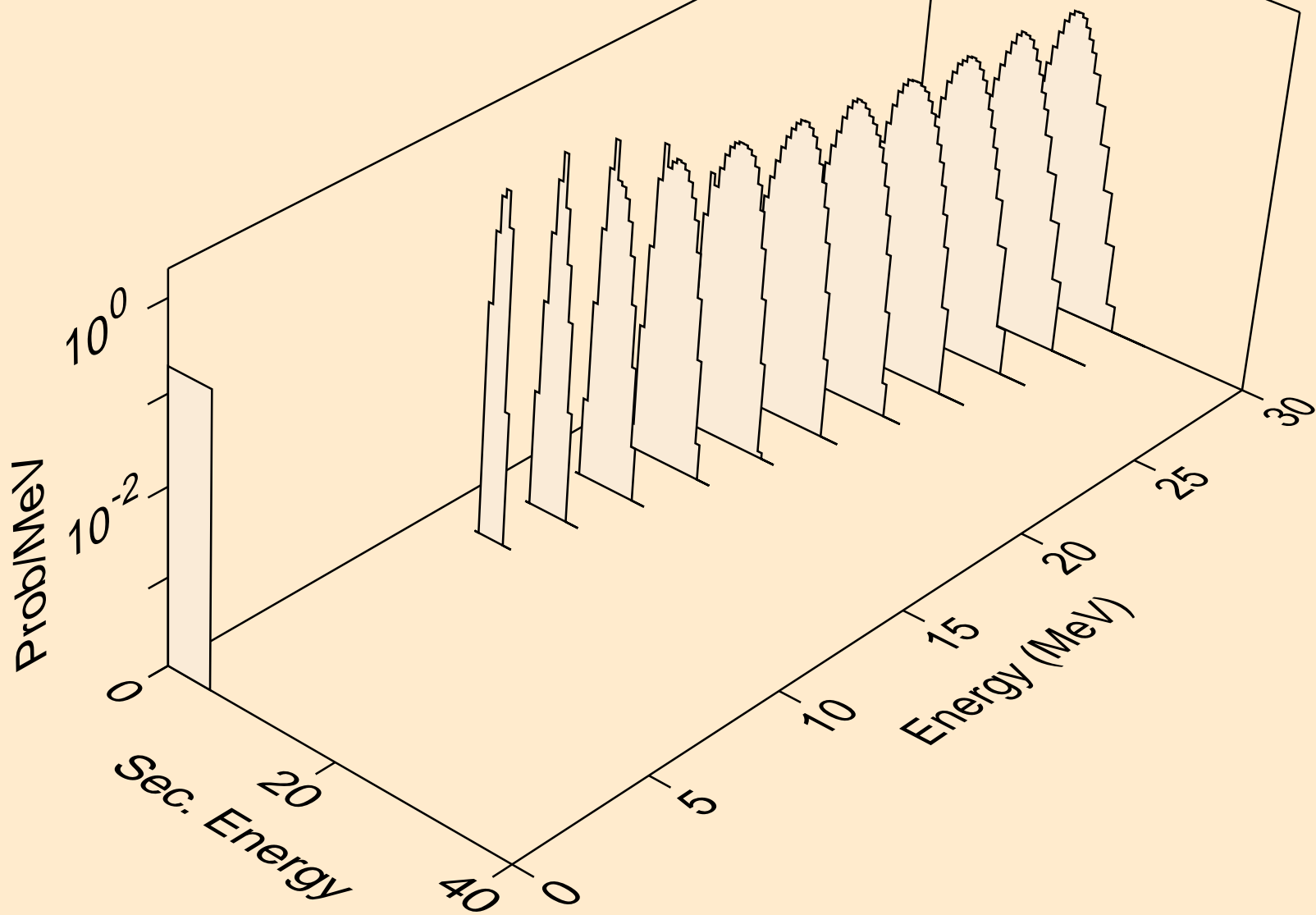
HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,a)



HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2a)



HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,pa)



HF179 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,da)

