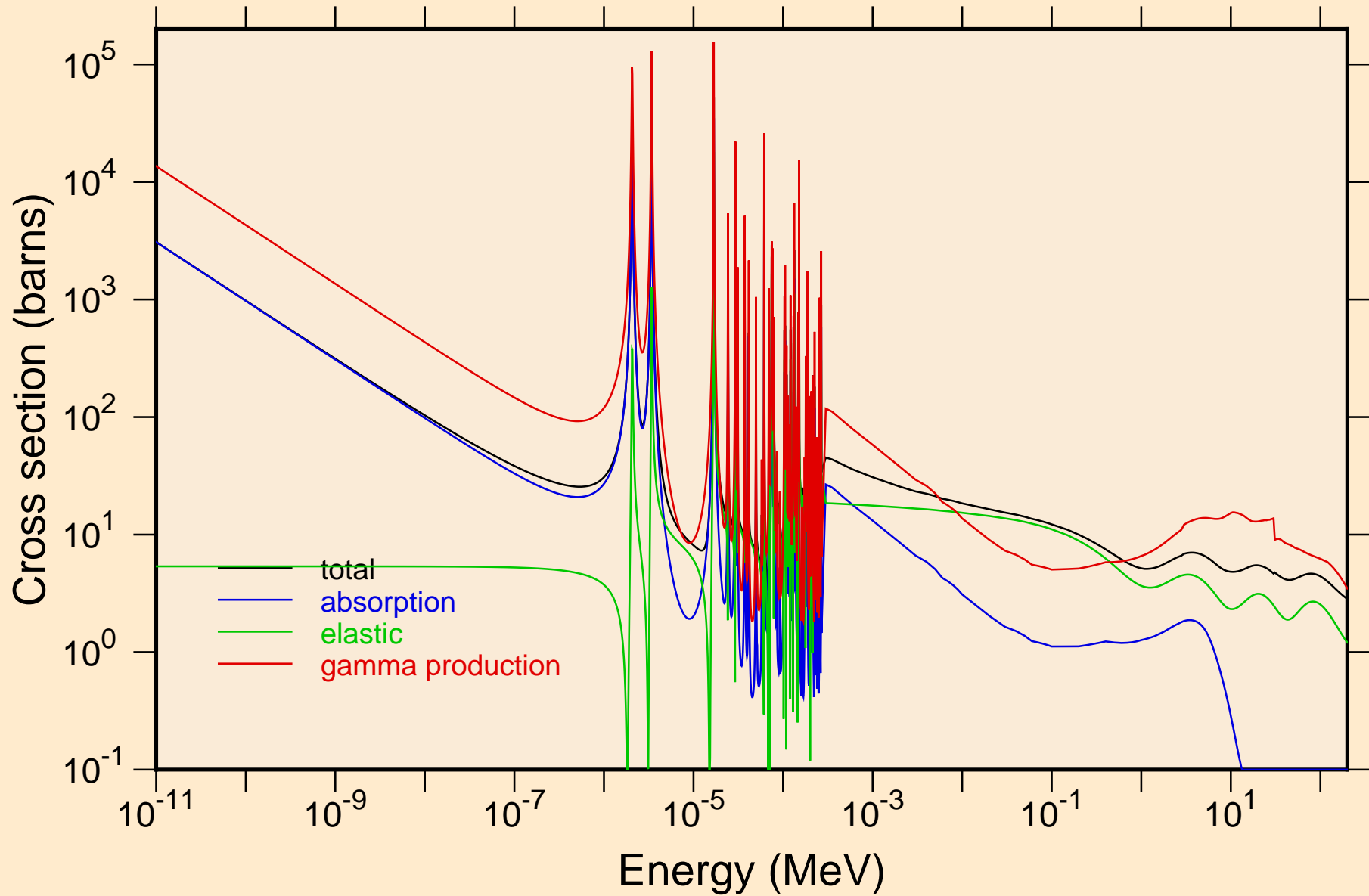
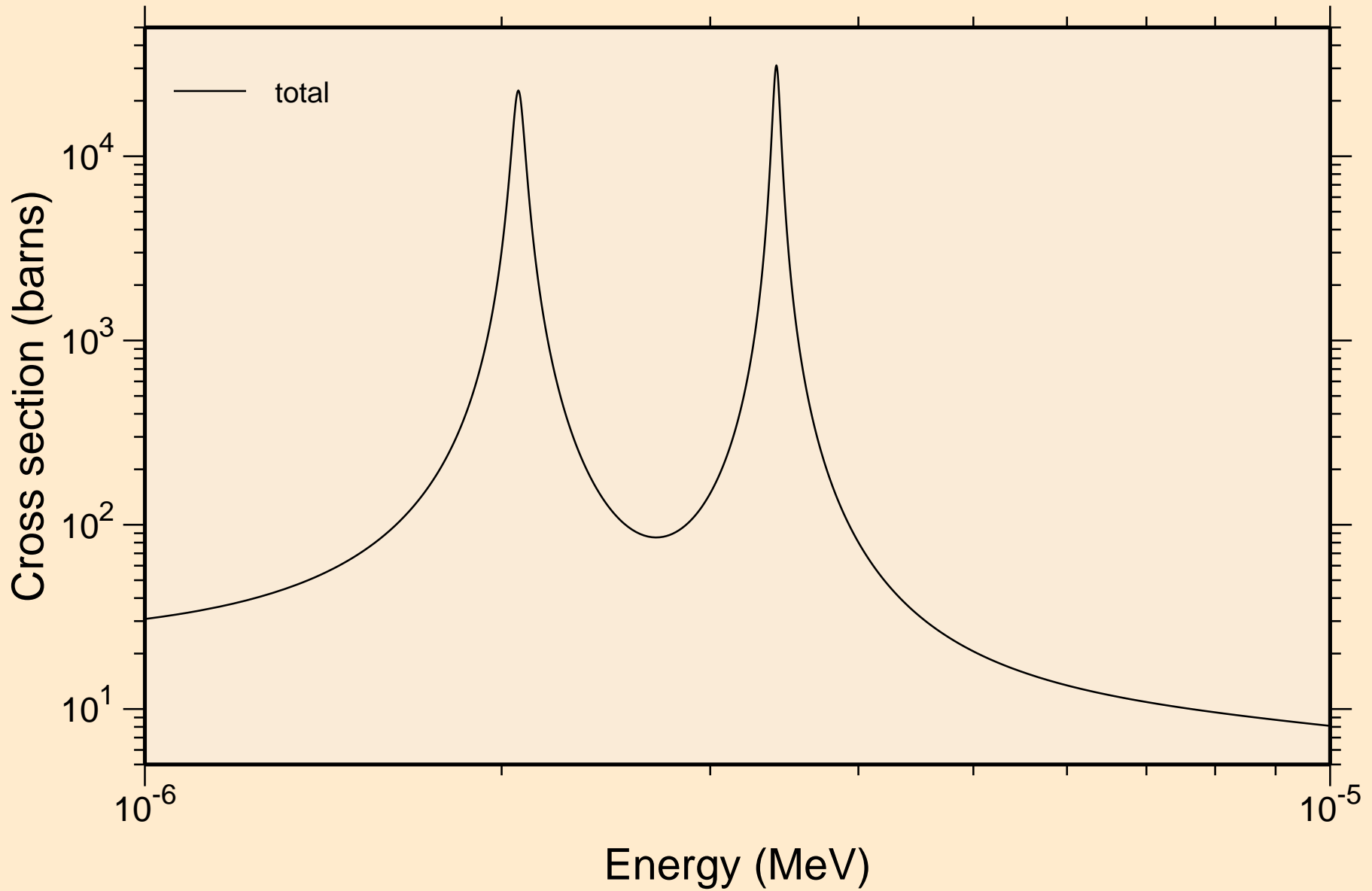


# HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

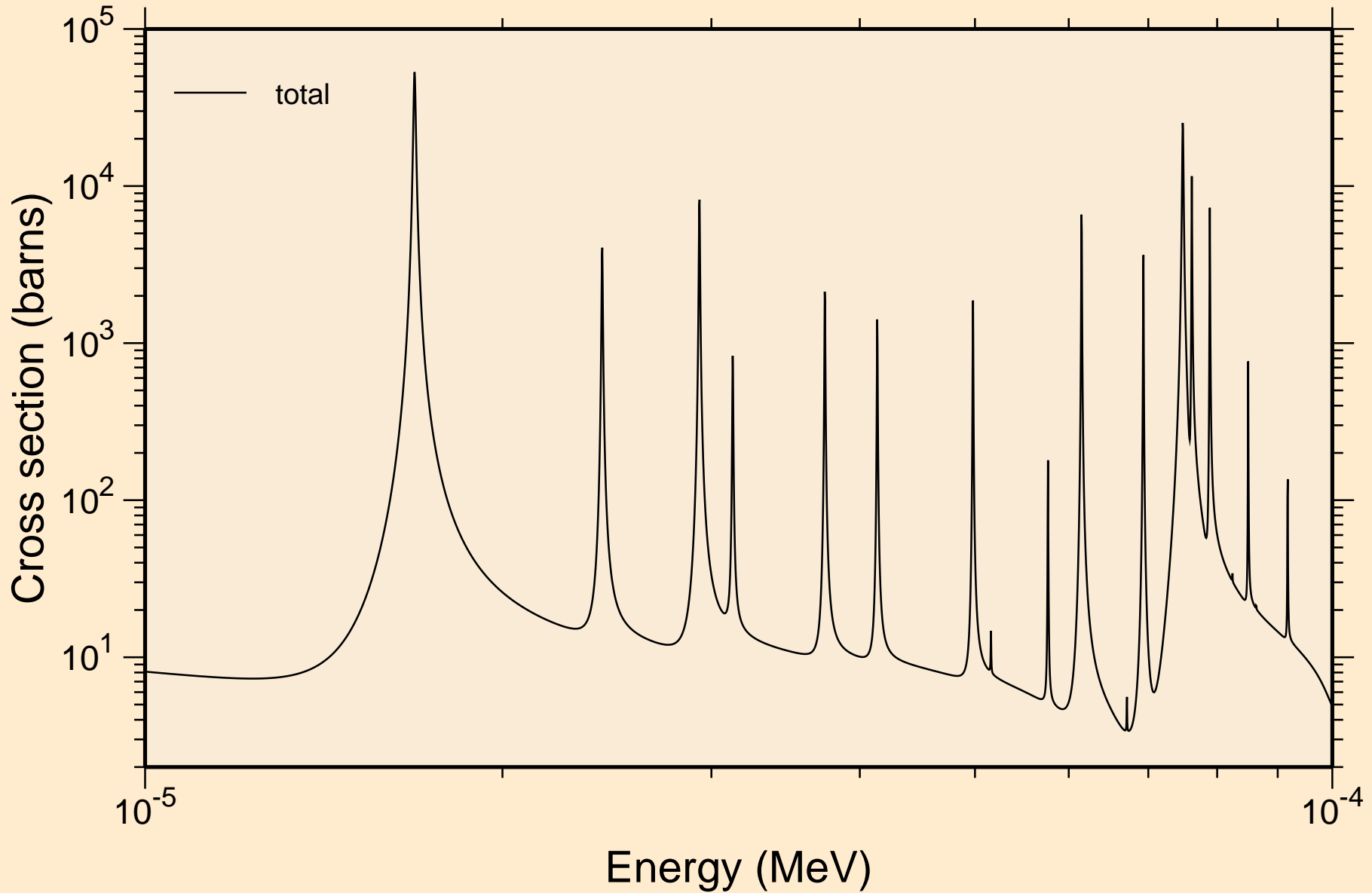
## Principal cross sections



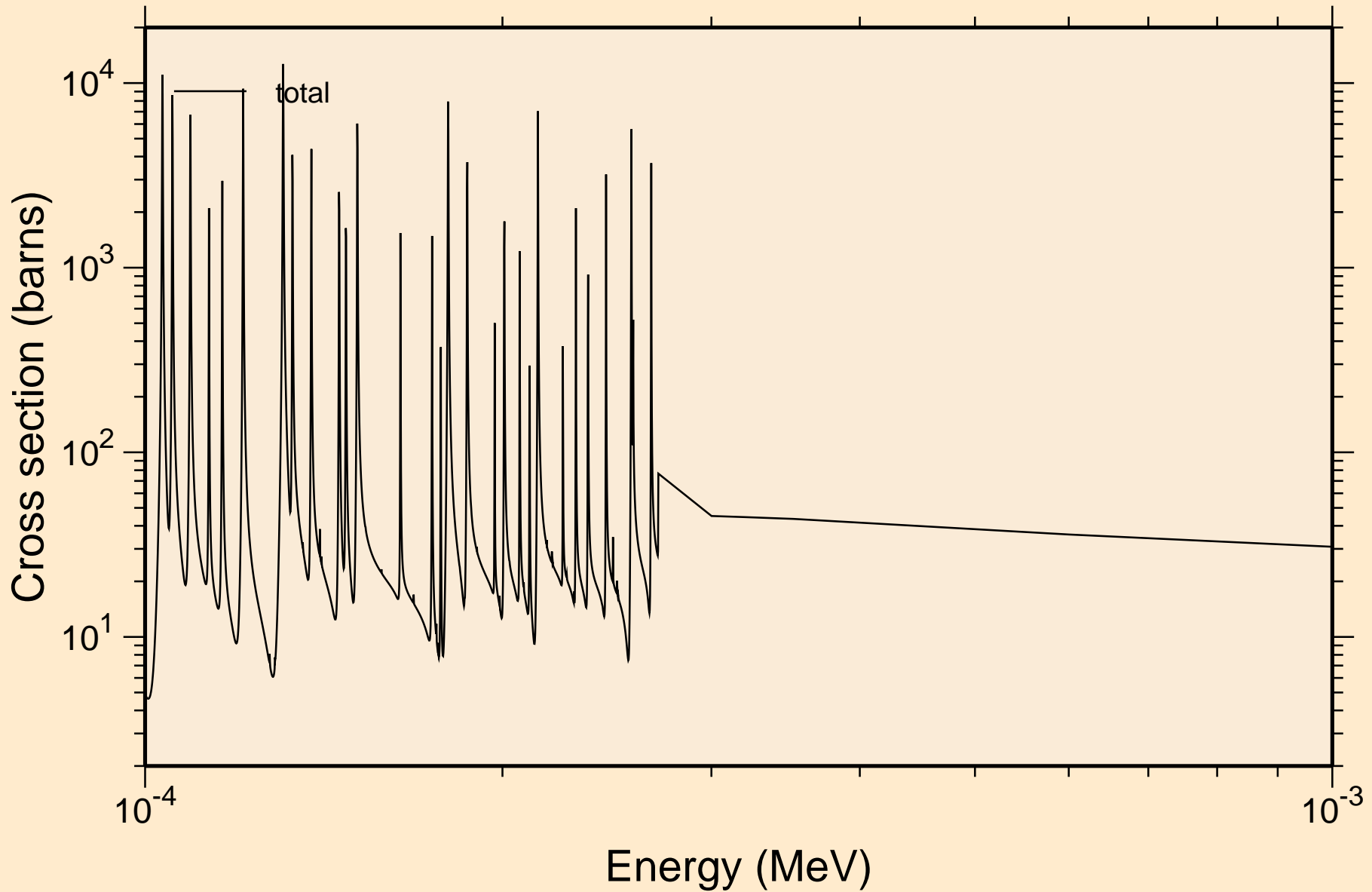
HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



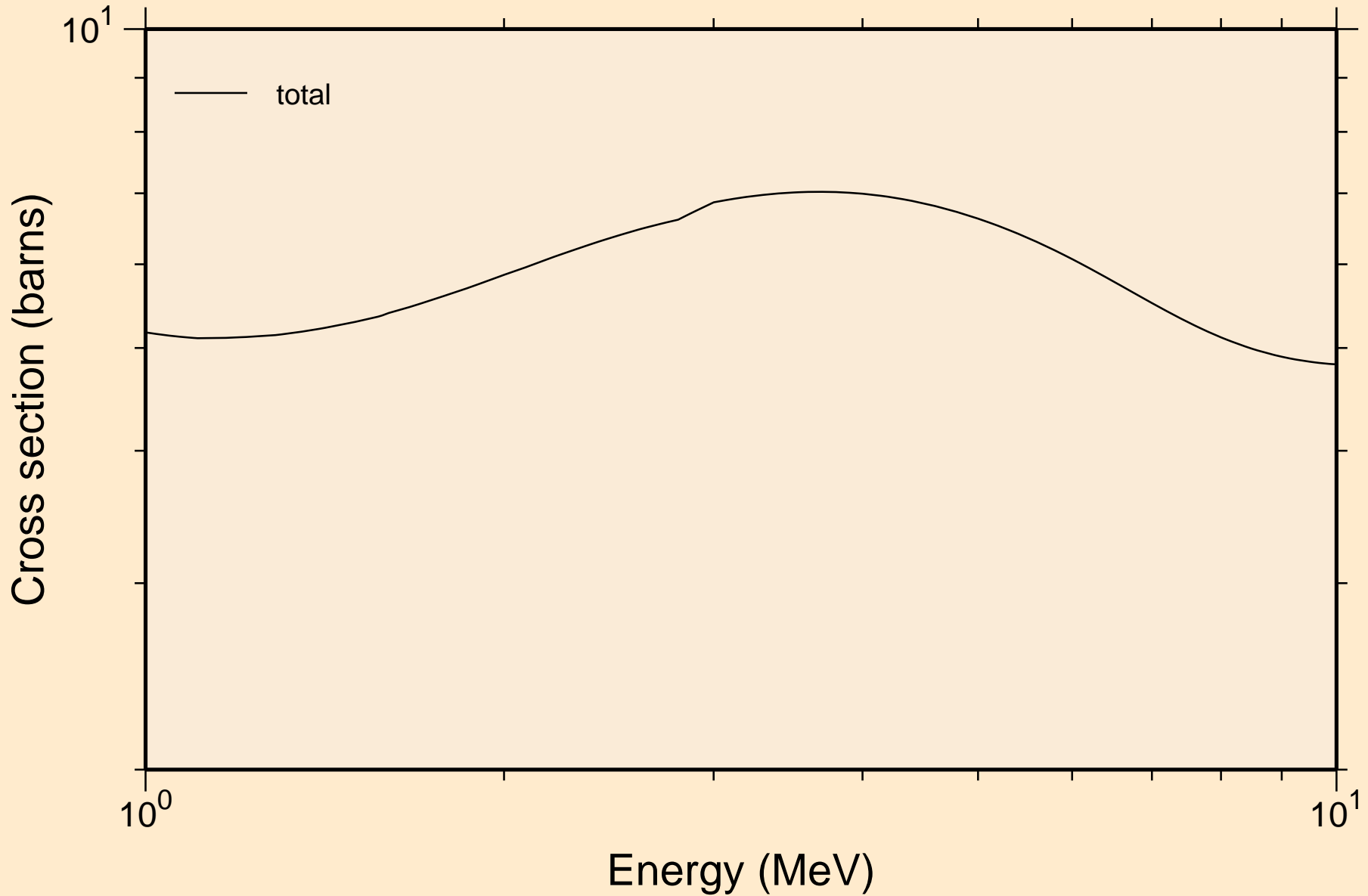
HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



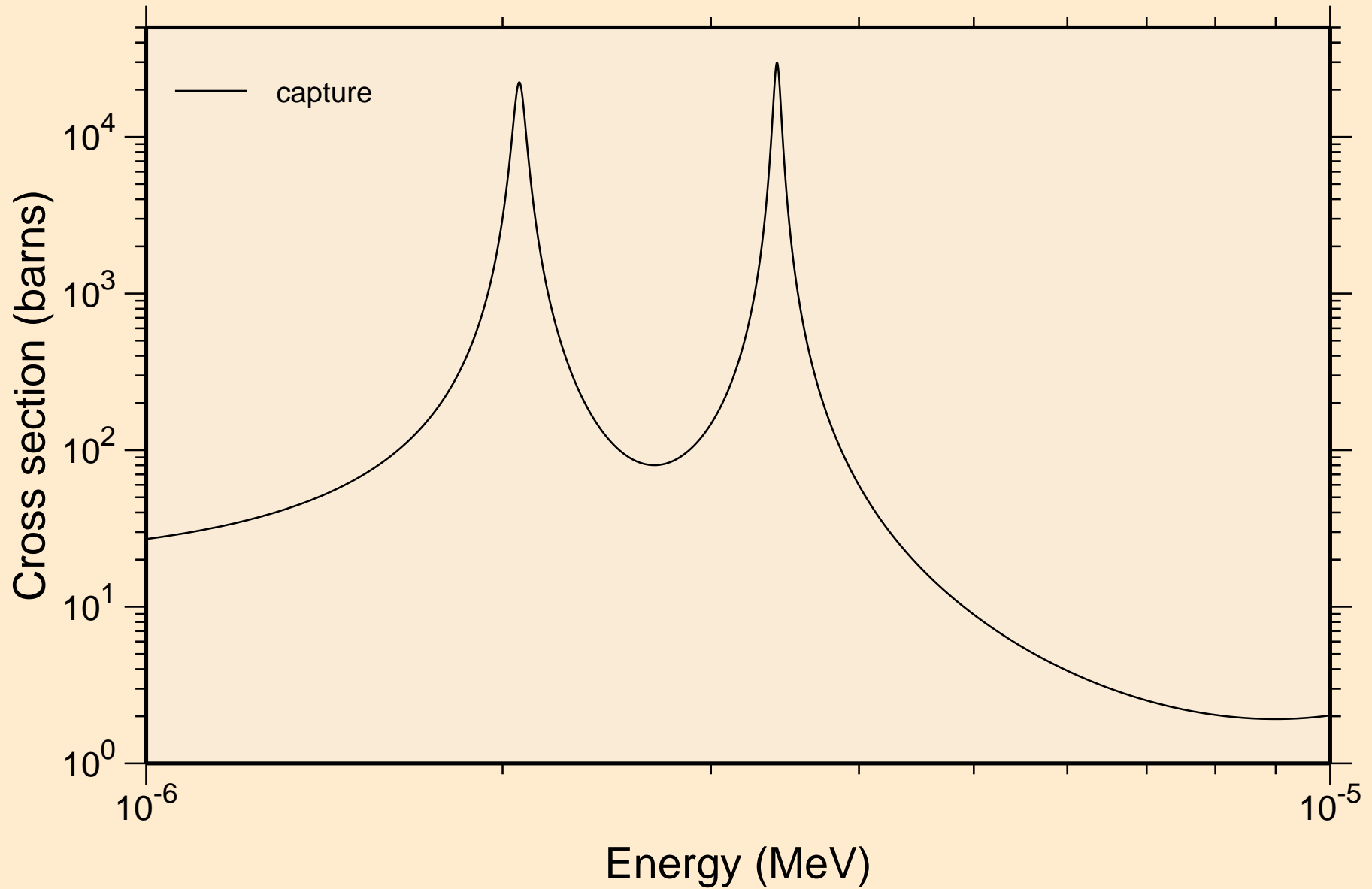
HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



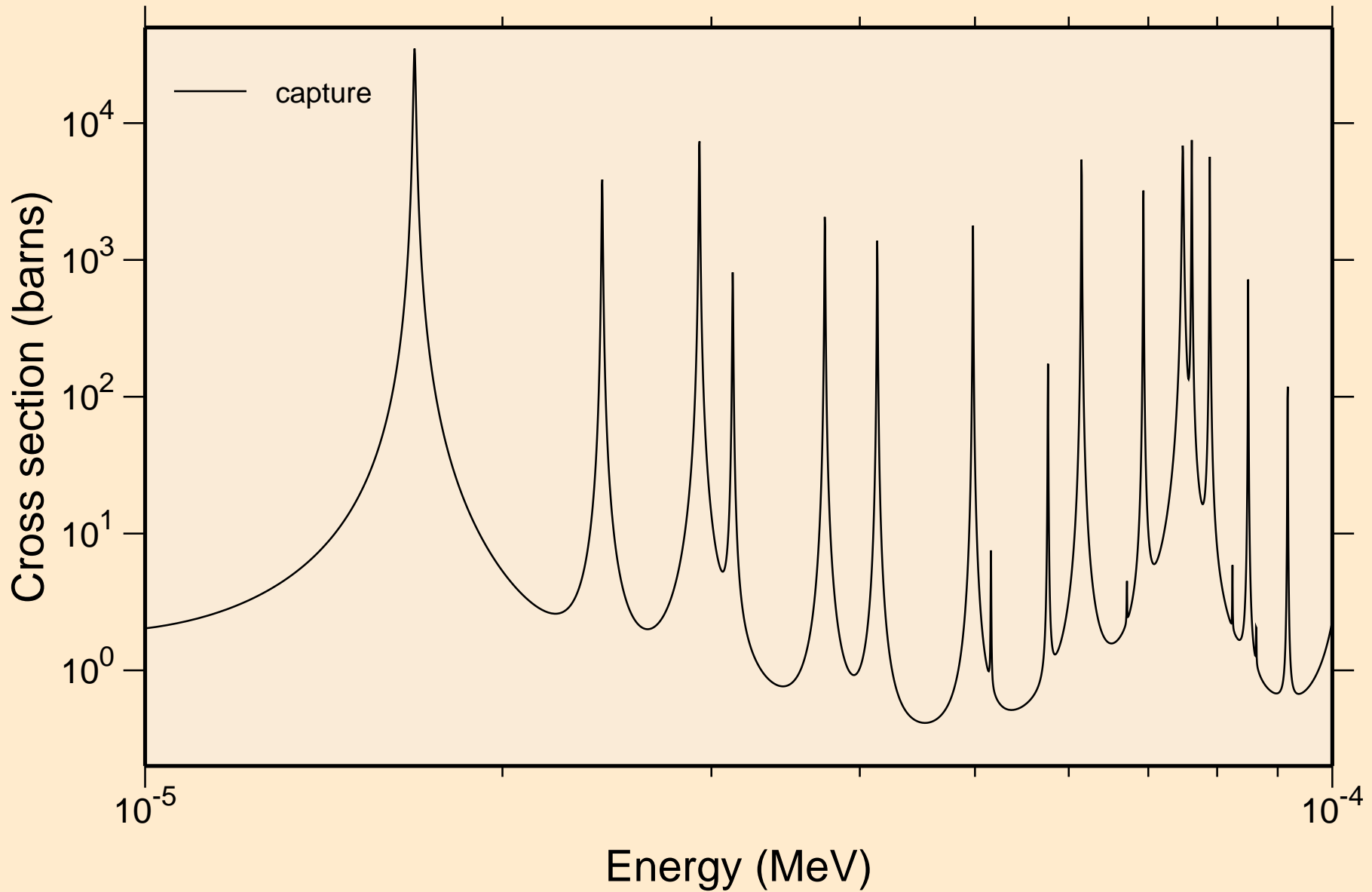
HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



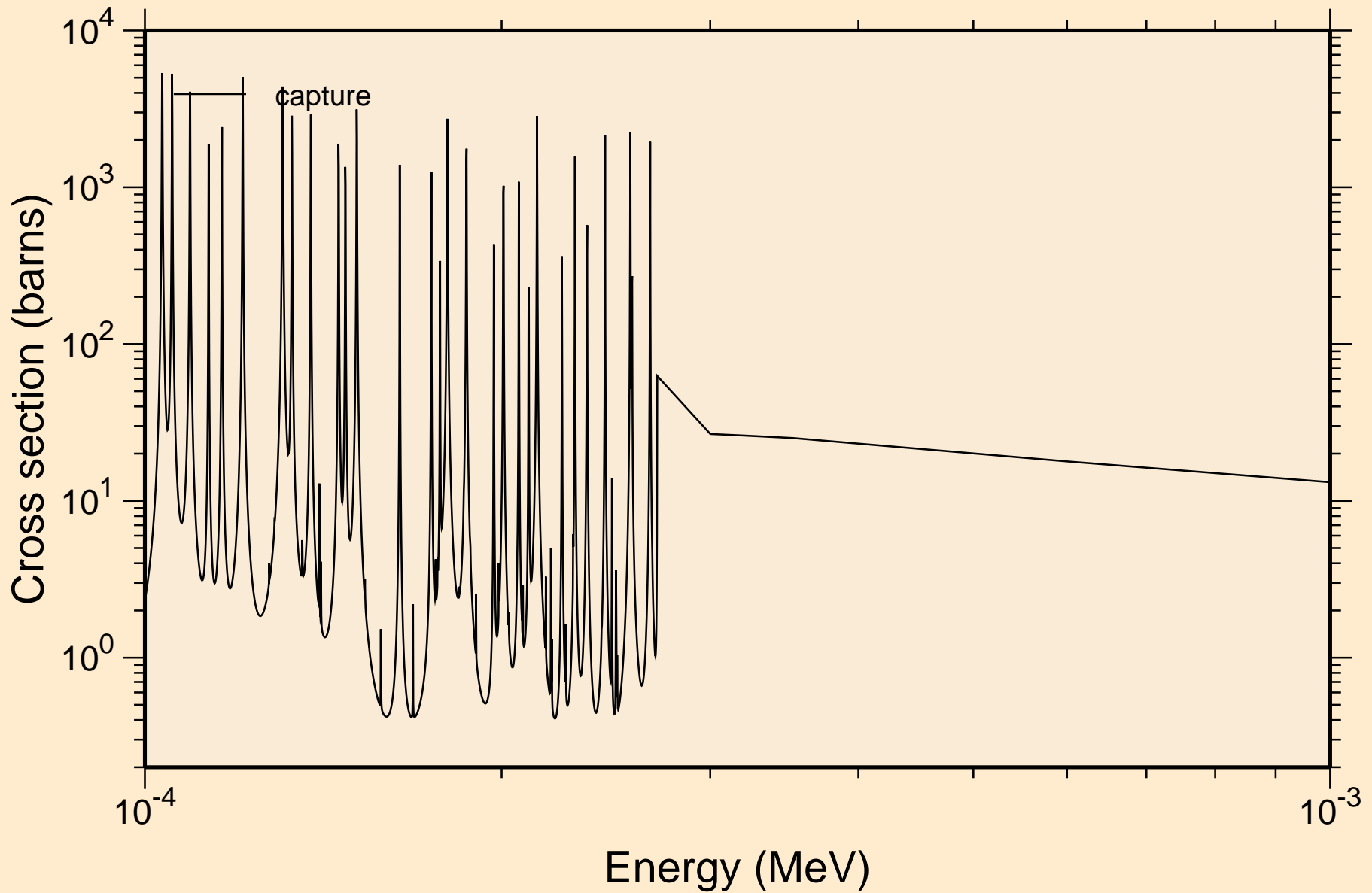
HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections

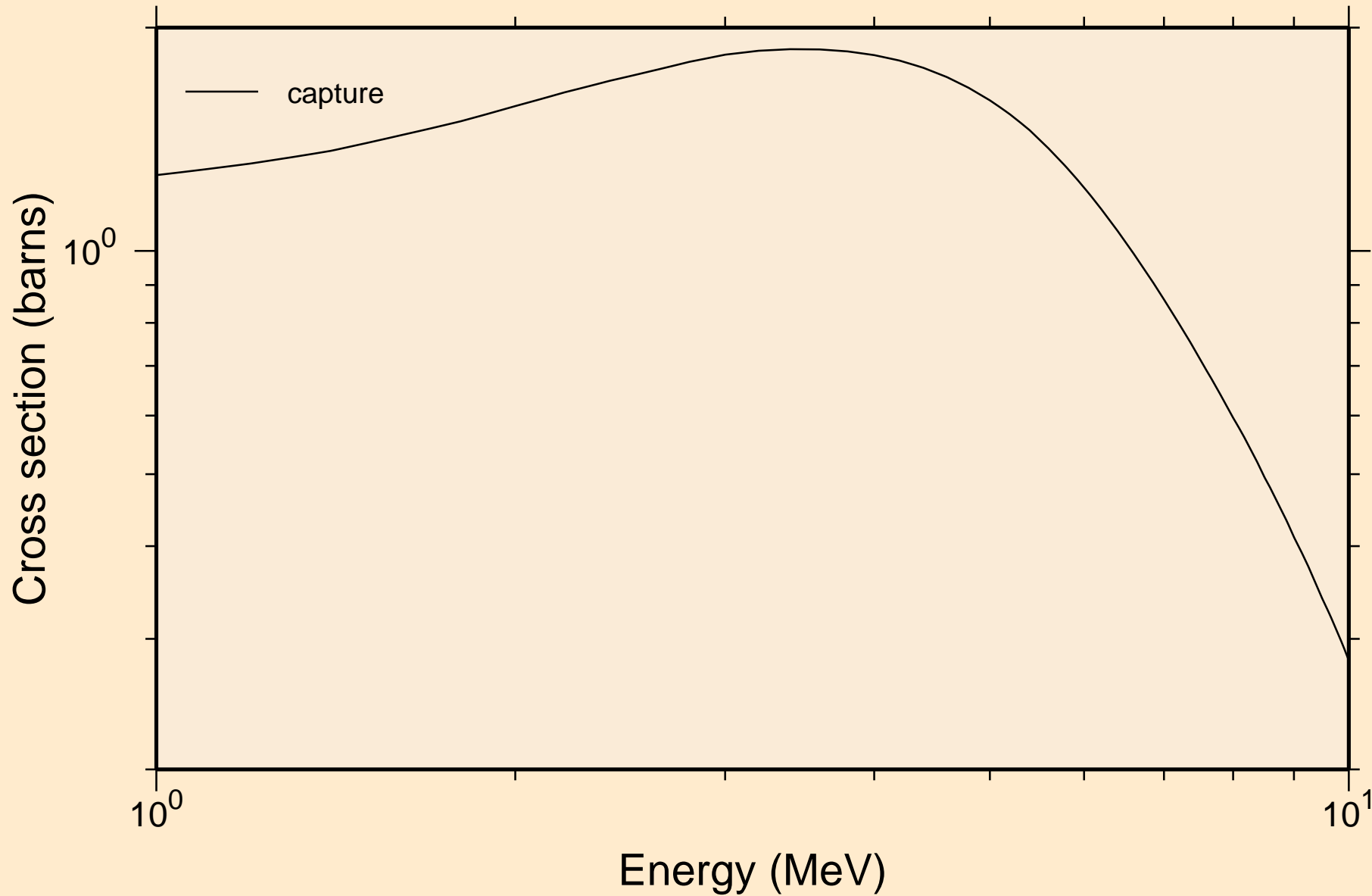


HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



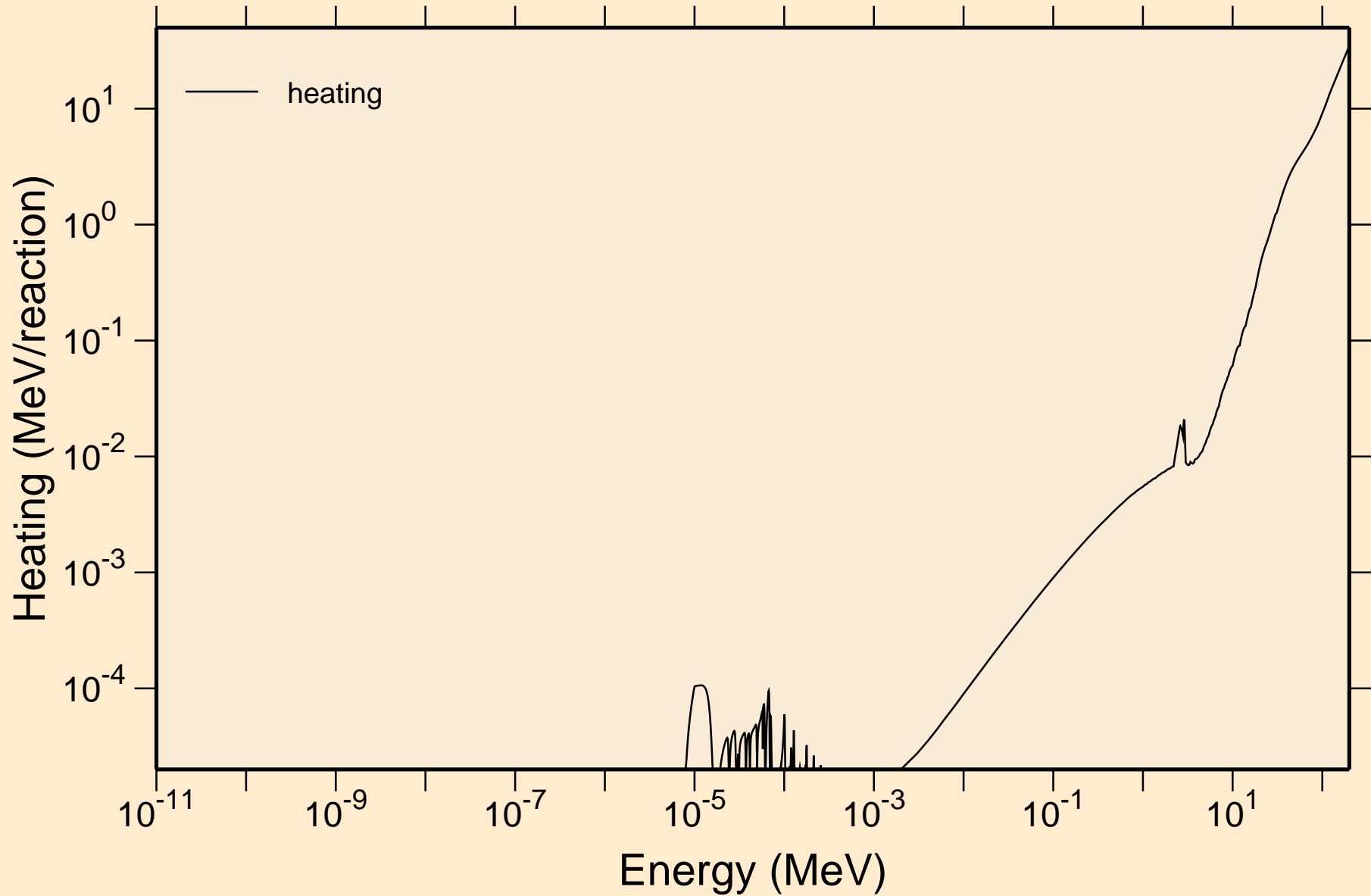


HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



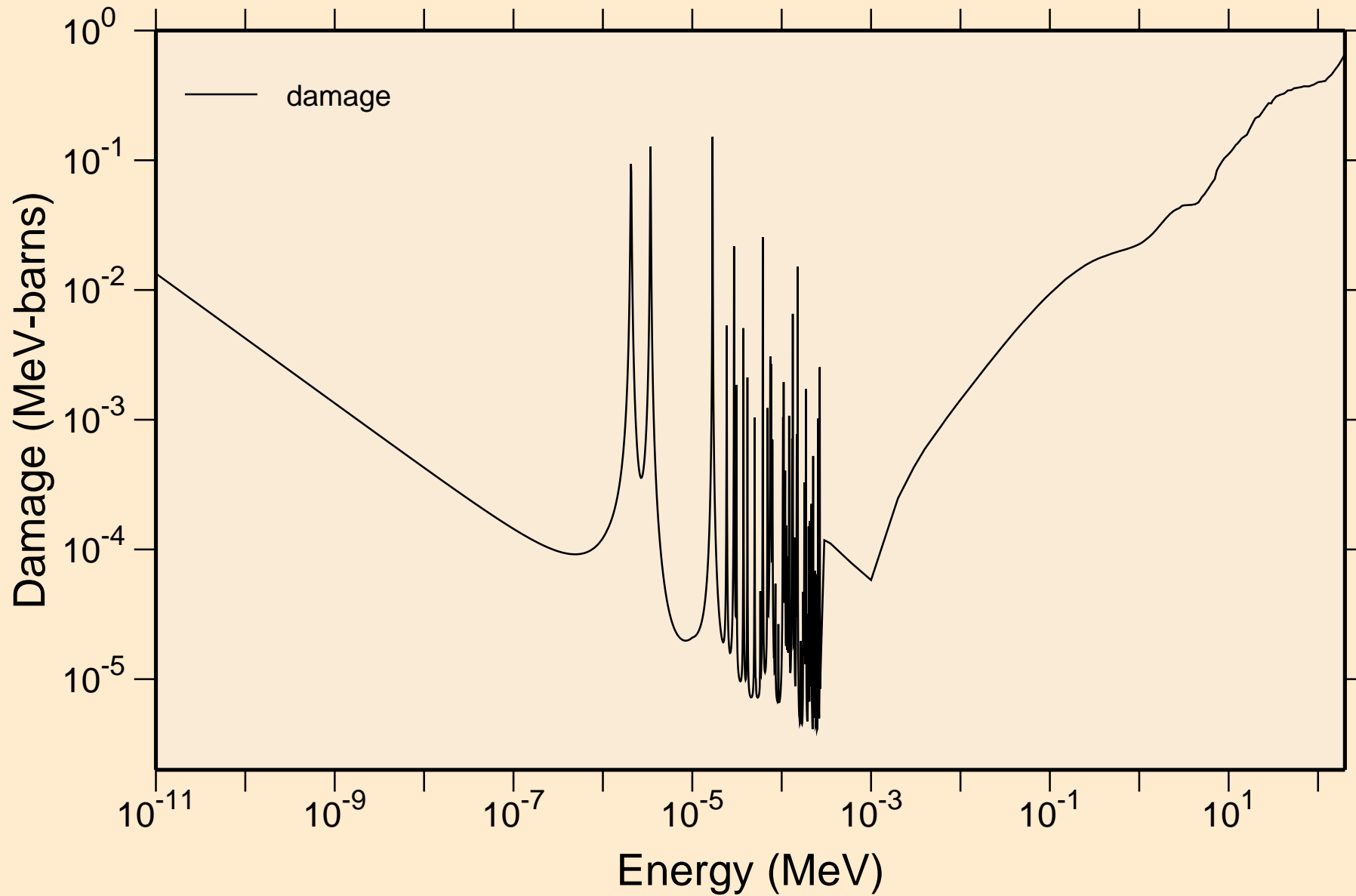
# HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Heating



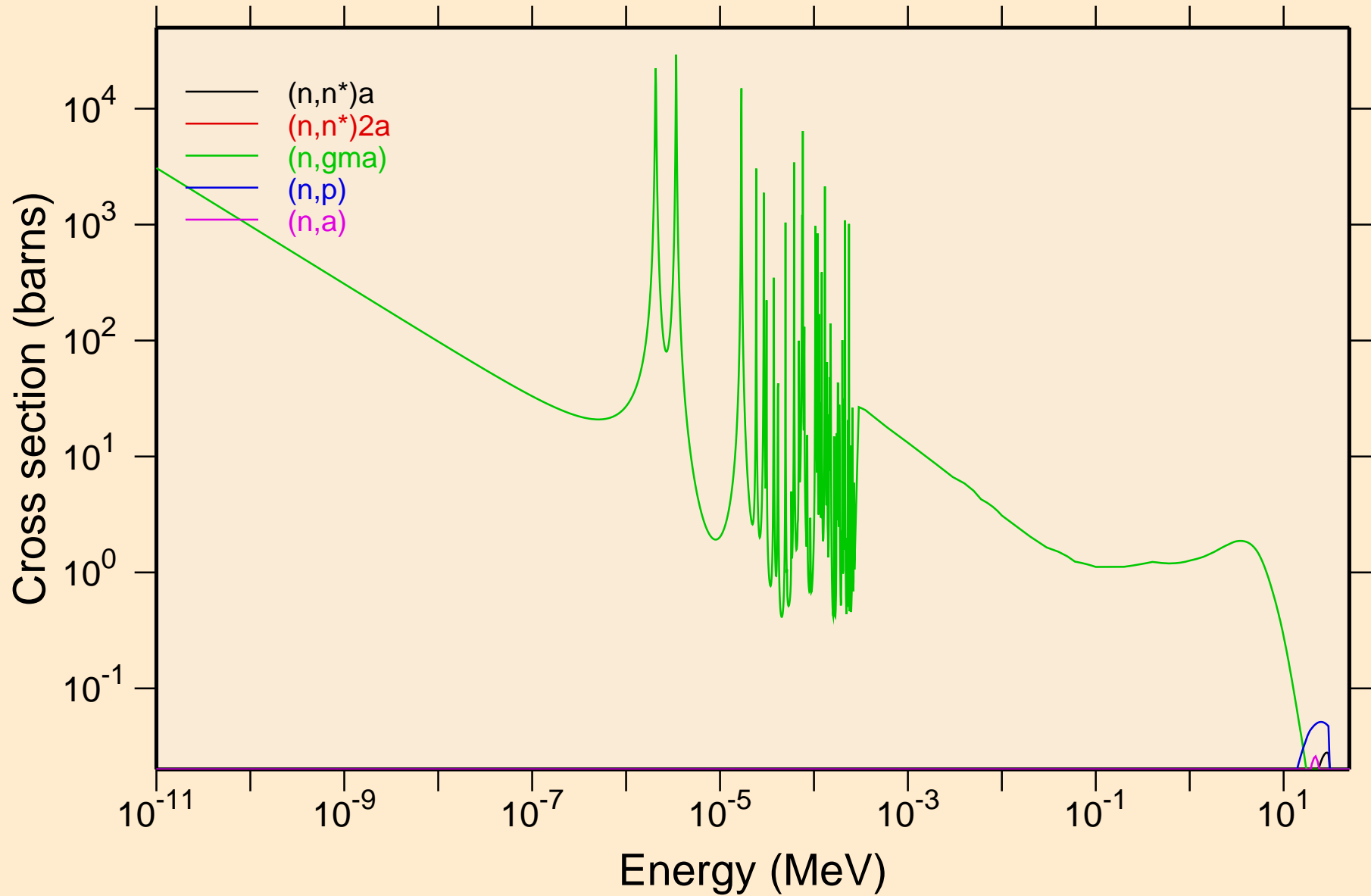
# HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Damage



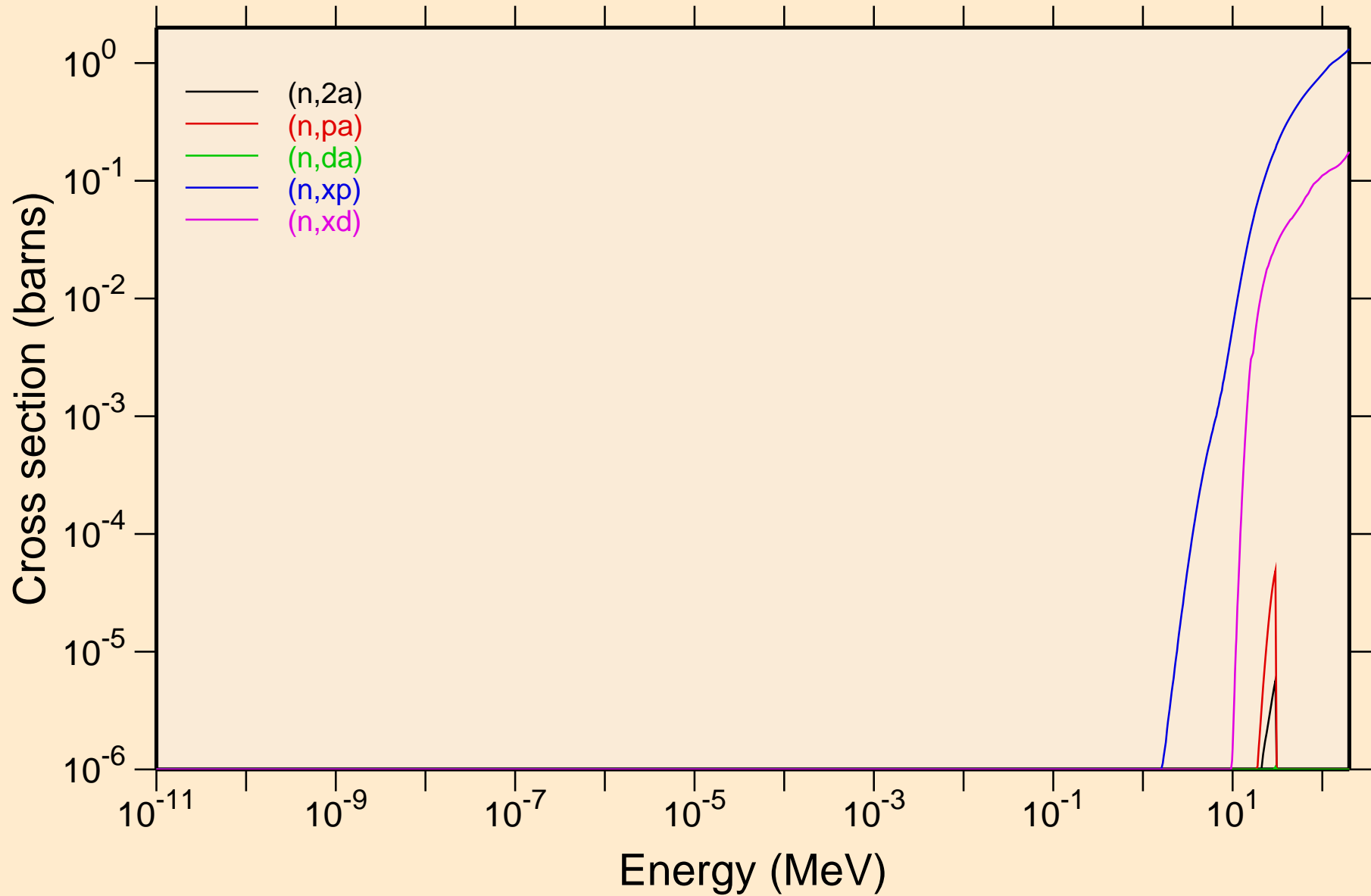
# HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Non-threshold reactions

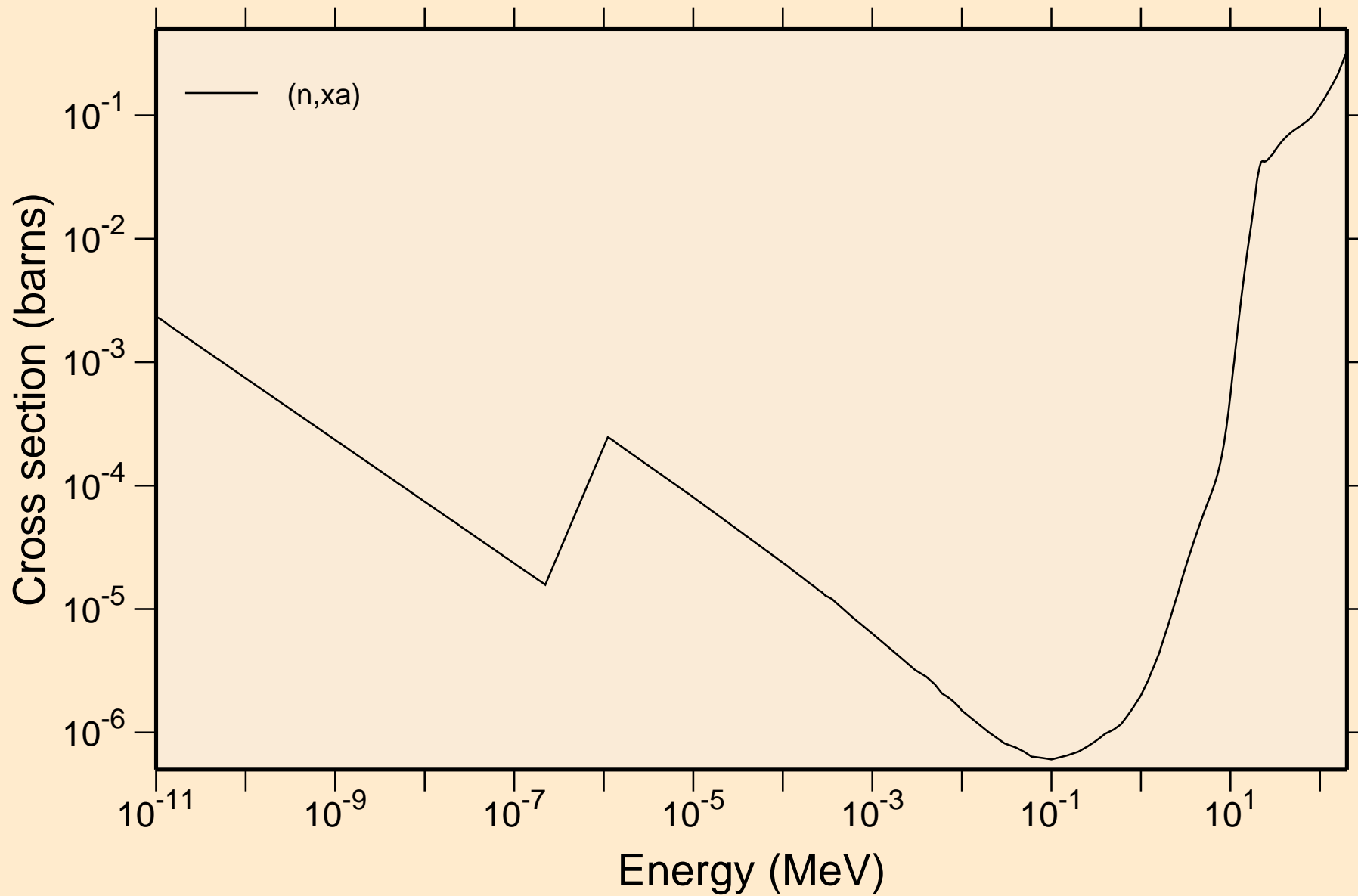


# HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Non-threshold reactions

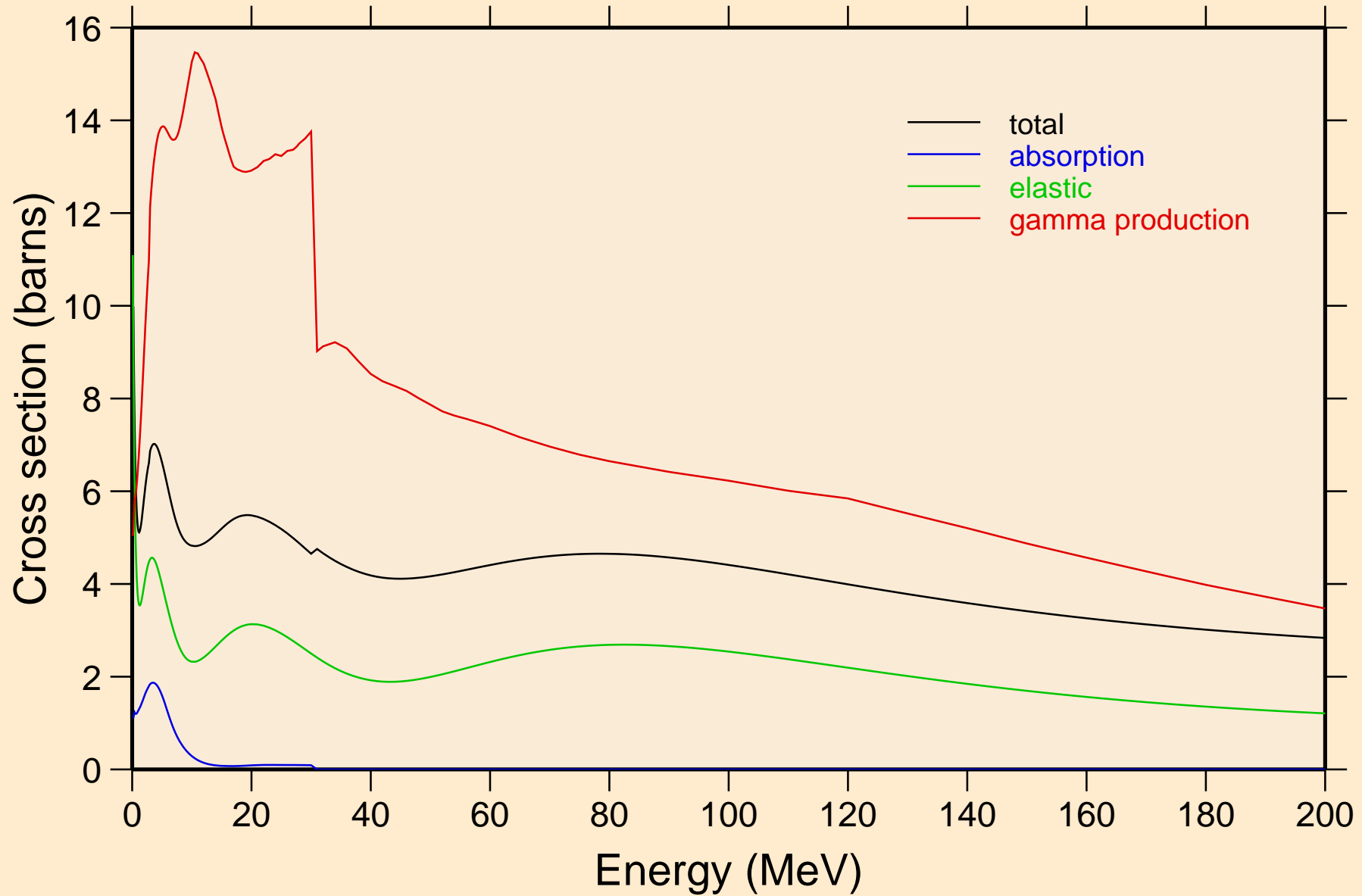


HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



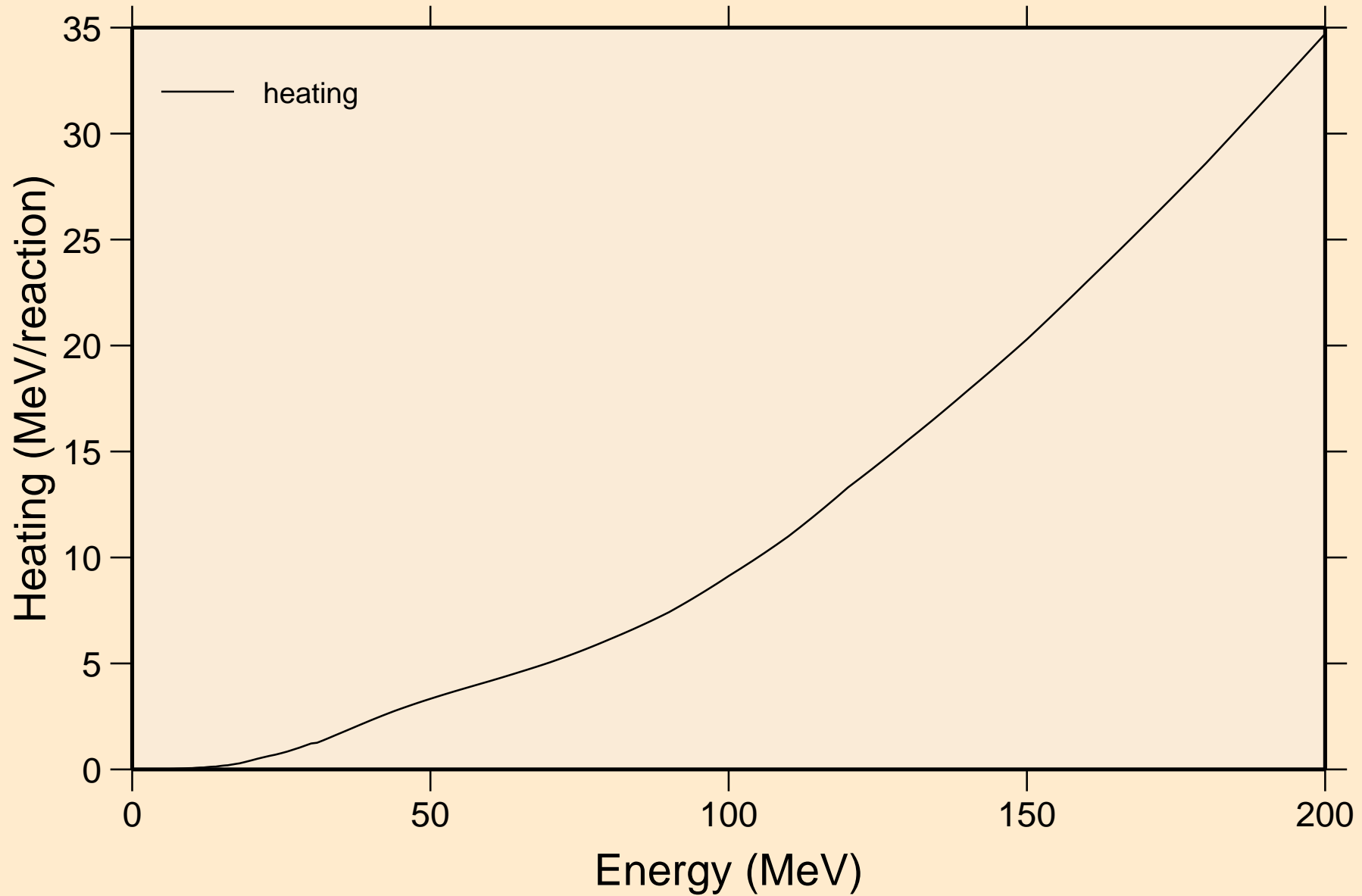
# HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections



# HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

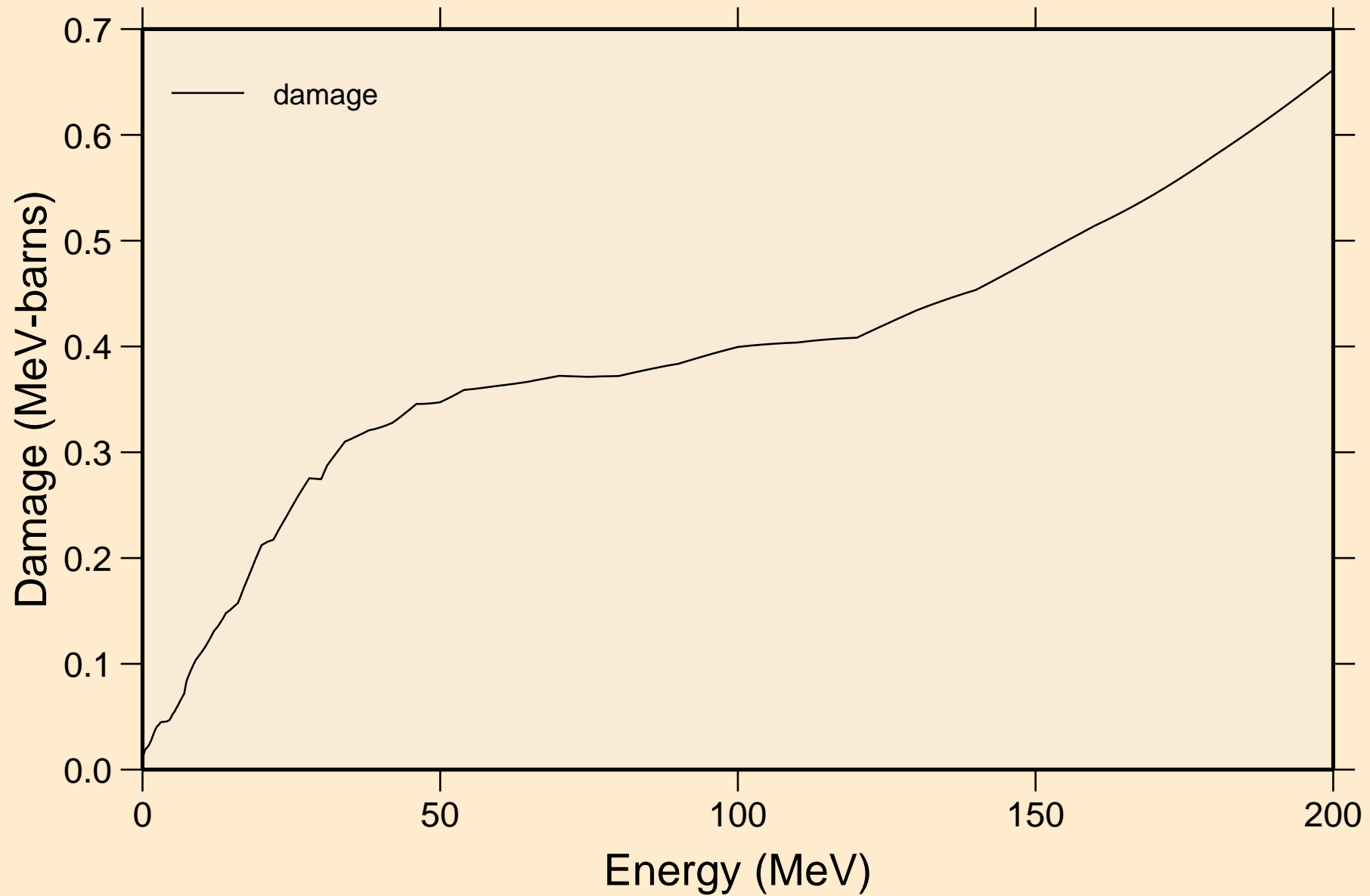
## Heating





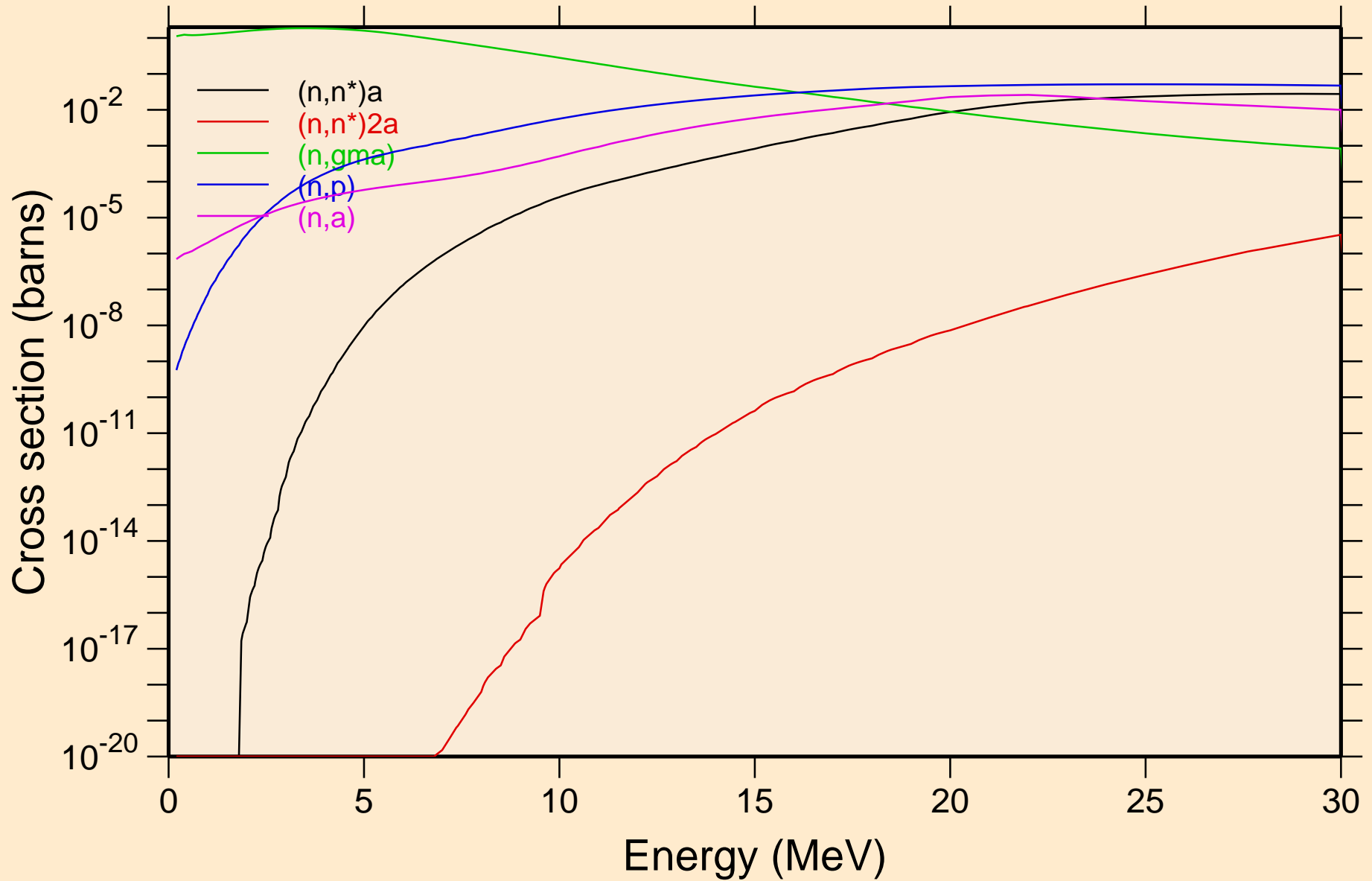
# HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Damage



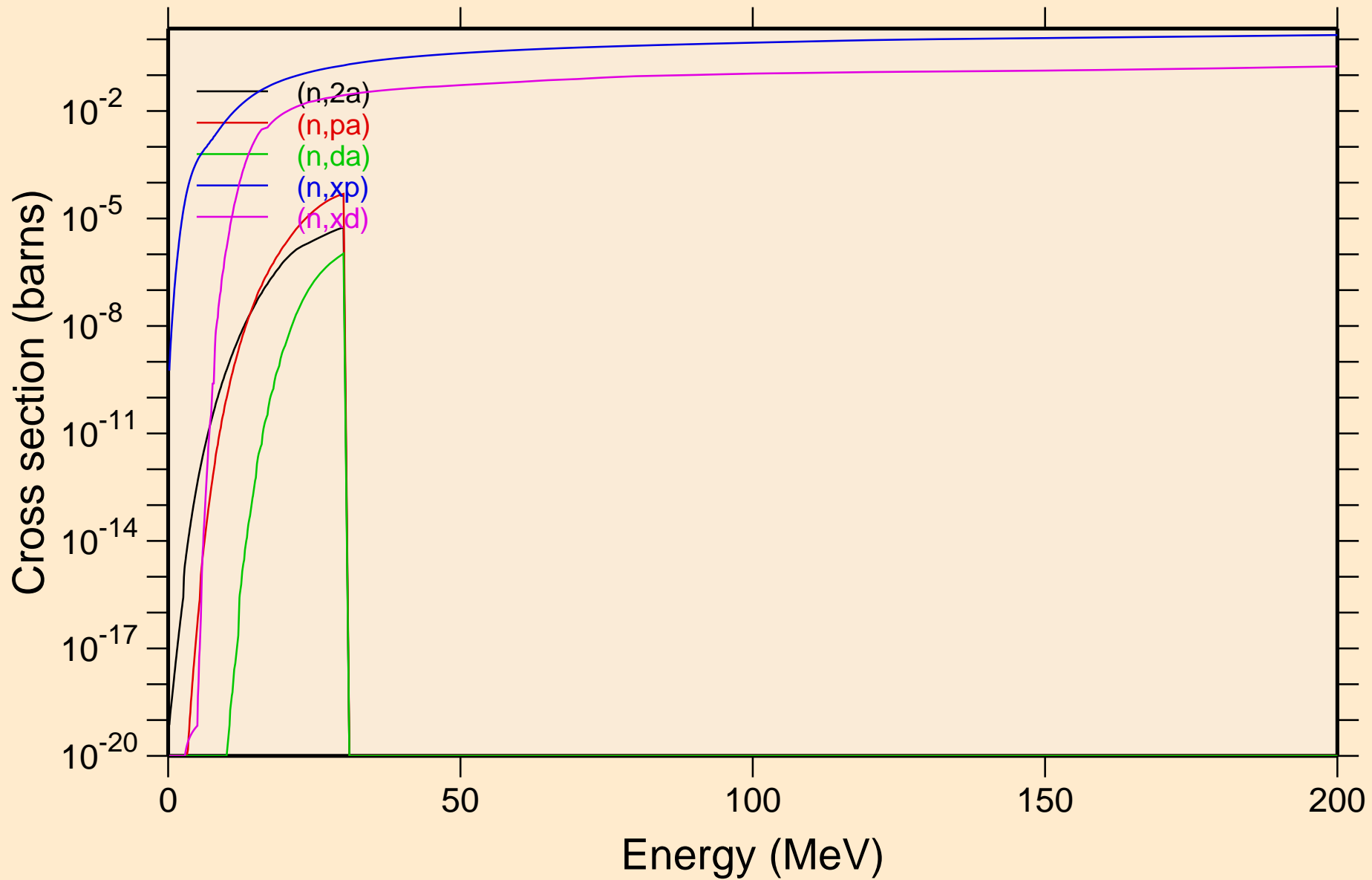
# HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Non-threshold reactions

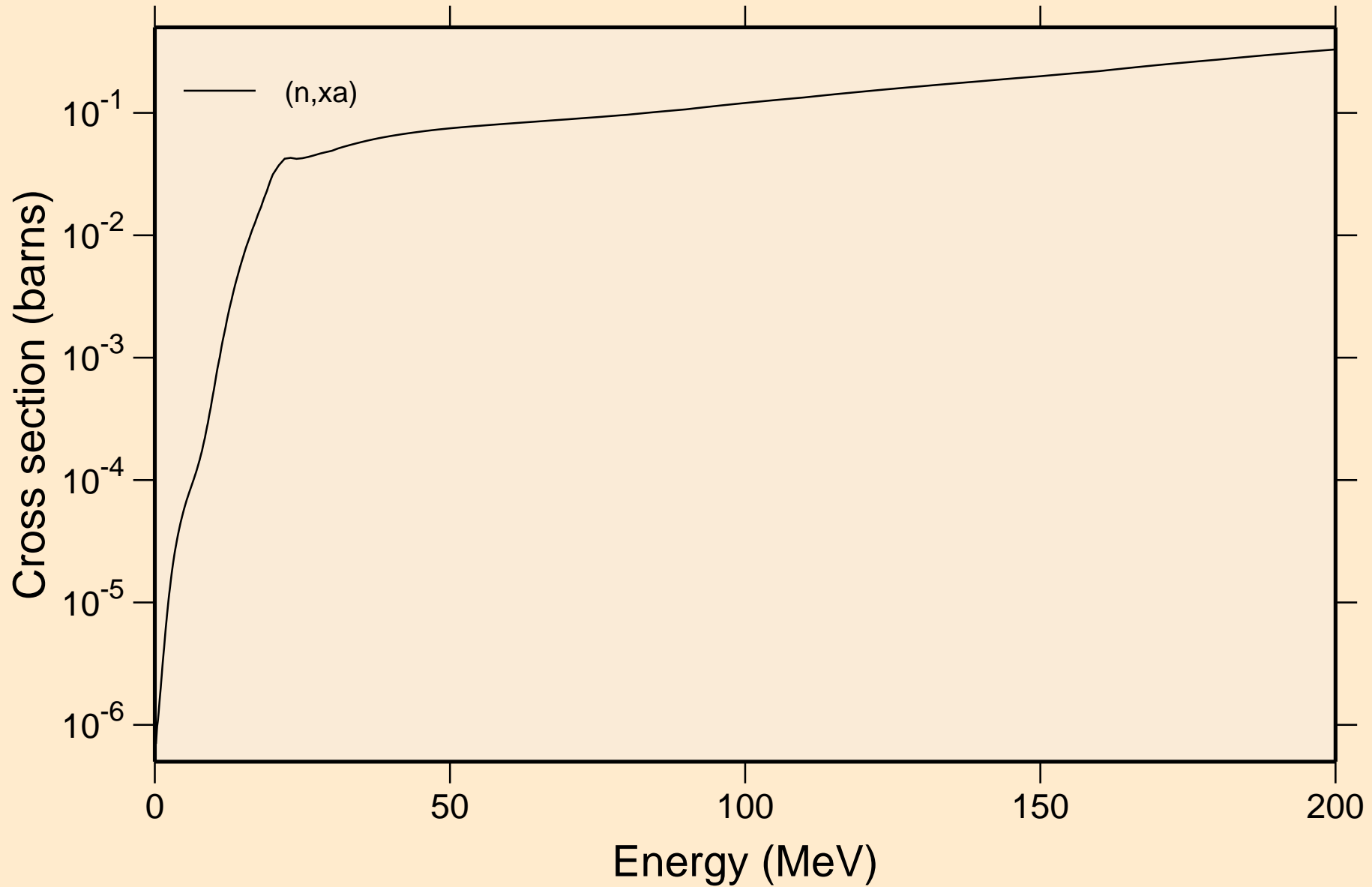


# HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Non-threshold reactions

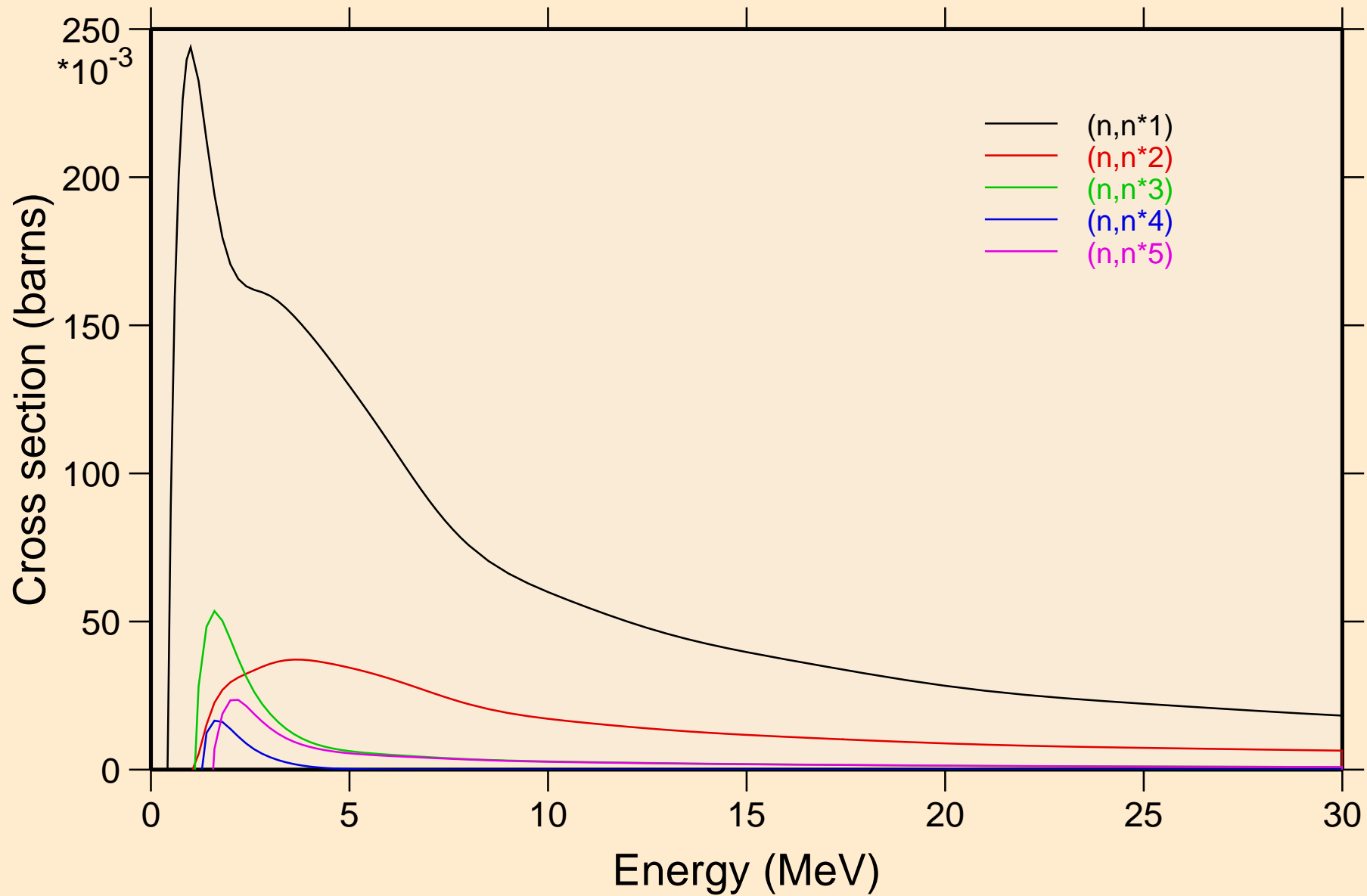


HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions

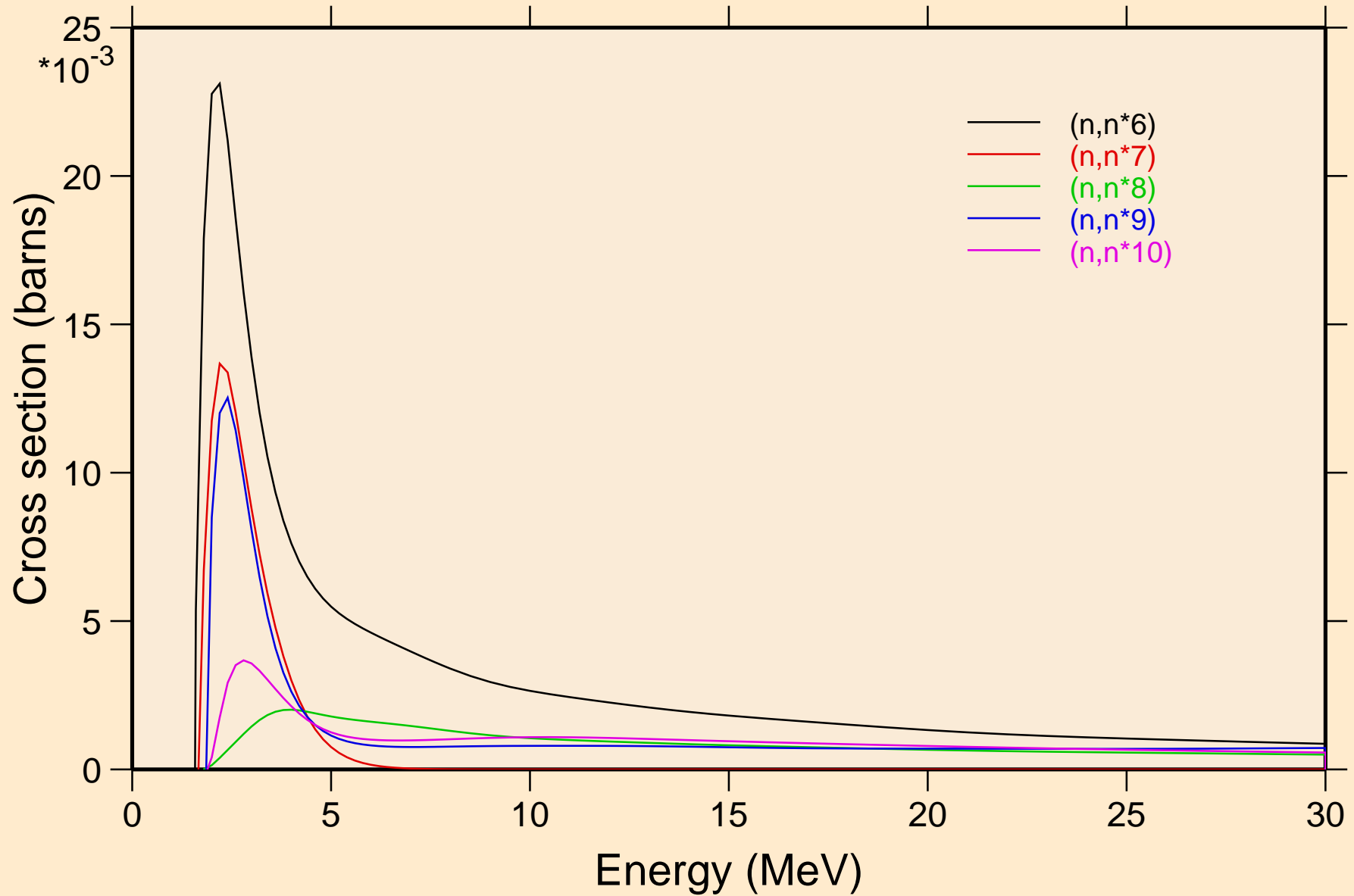


# HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Inelastic levels

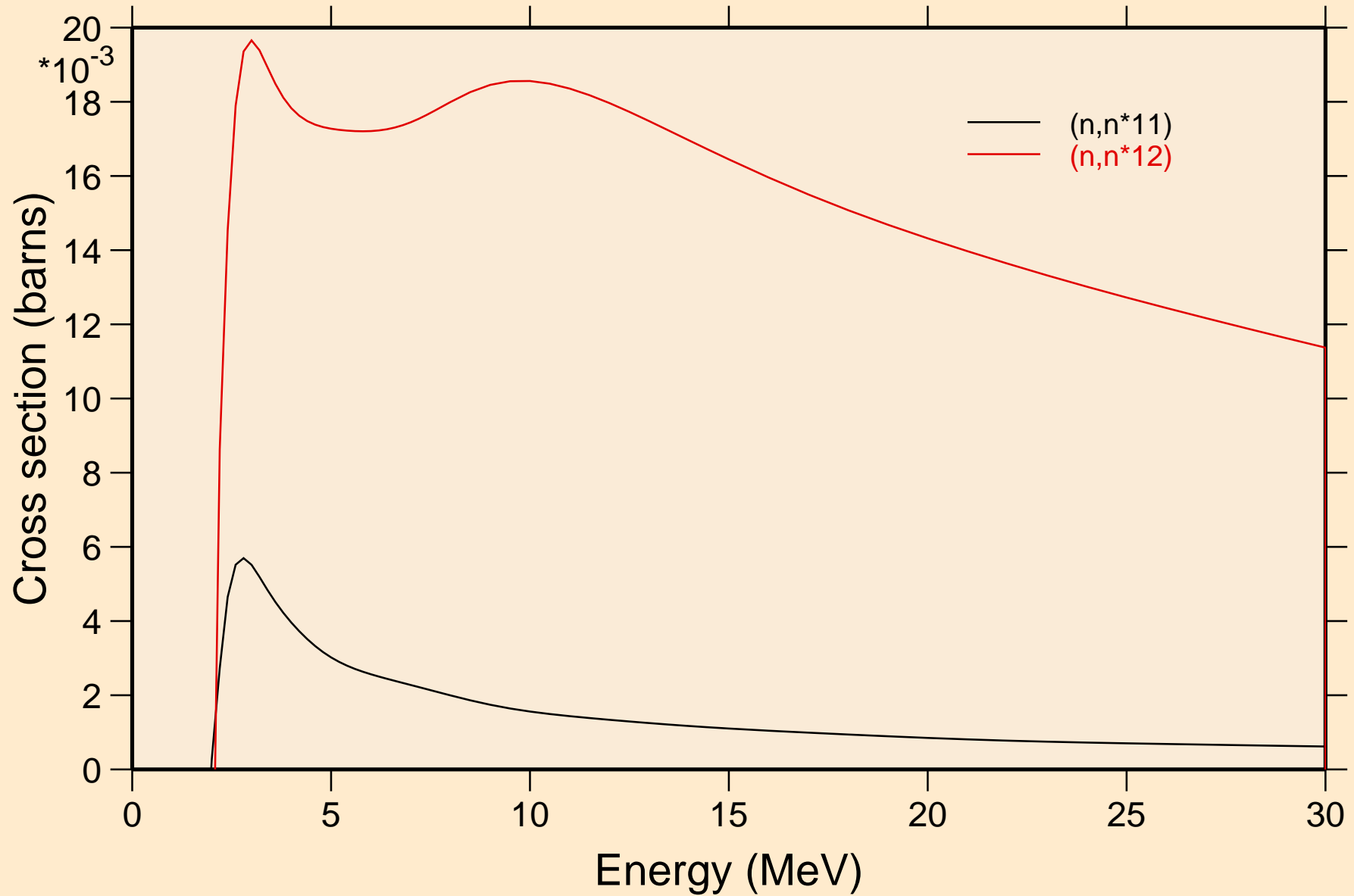


HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



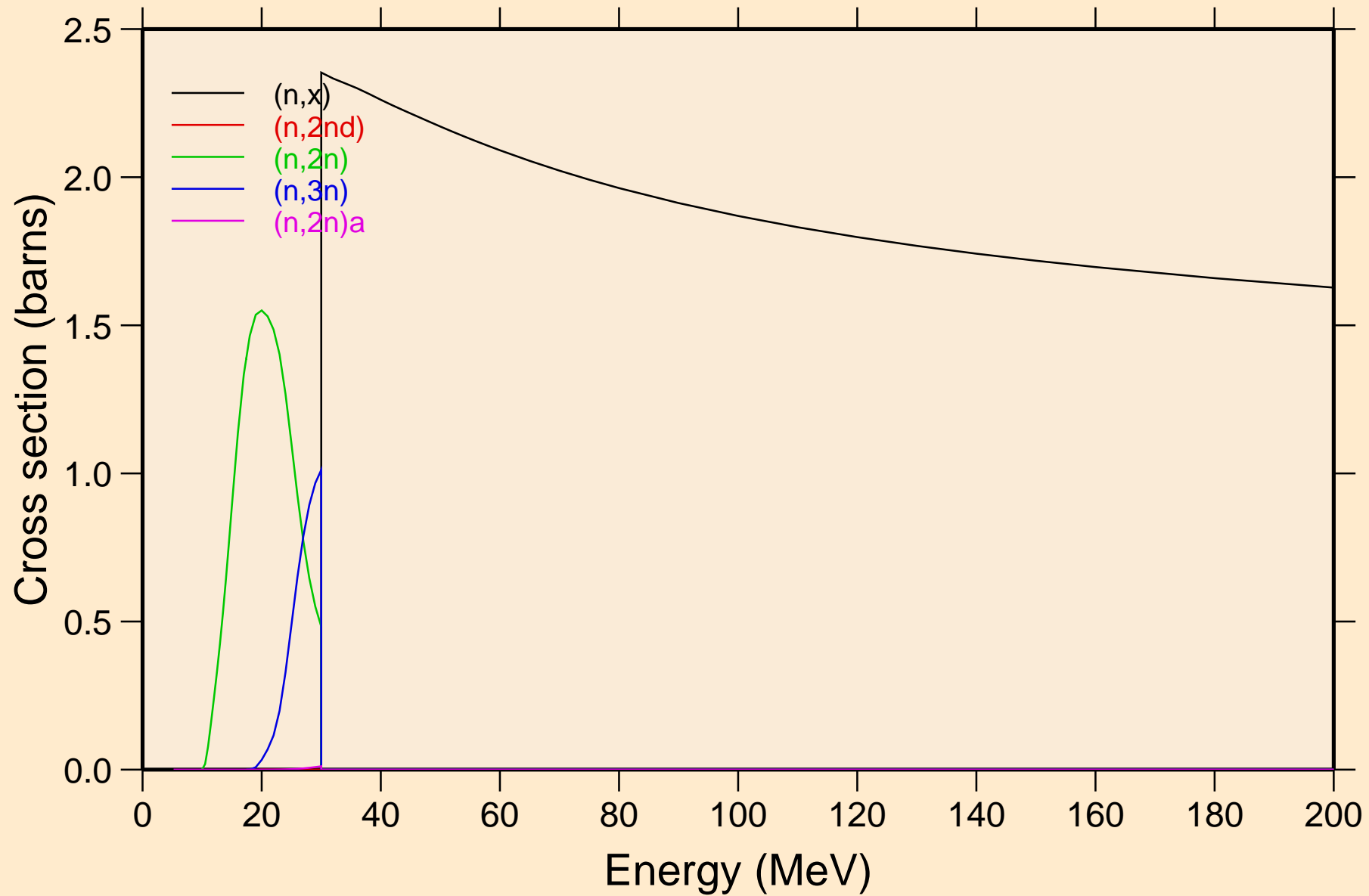
# HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Inelastic levels



# HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

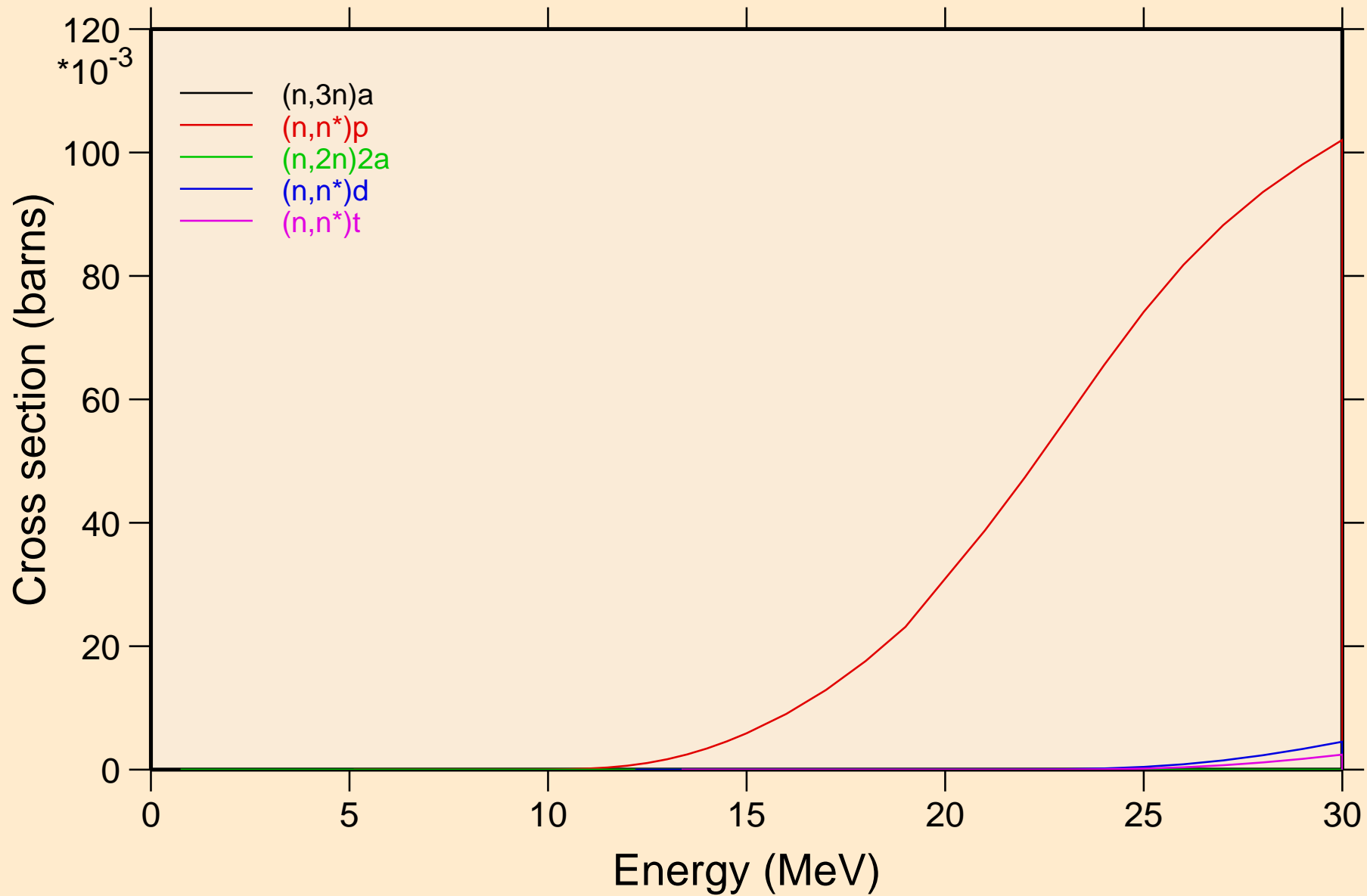
## Threshold reactions





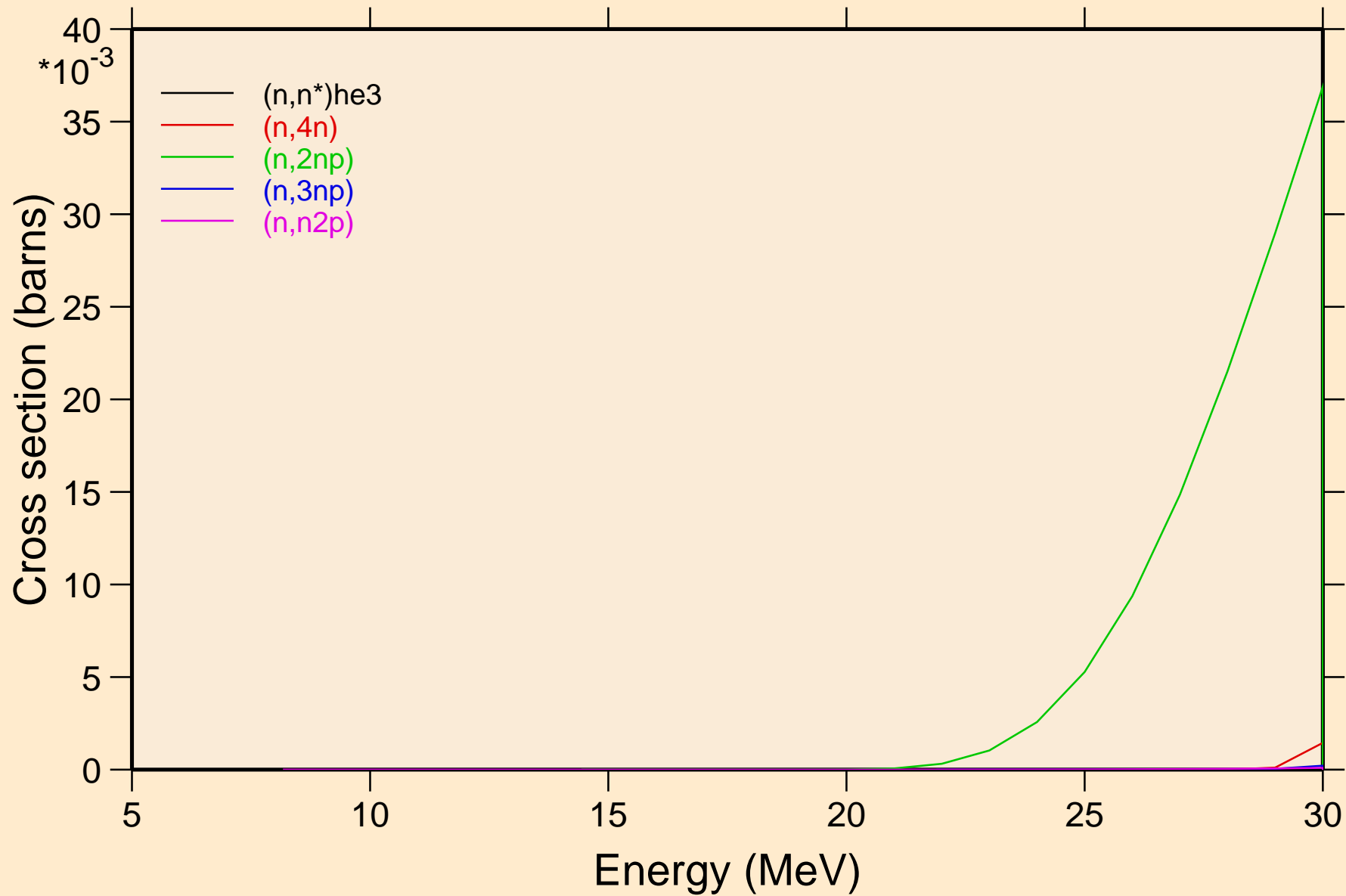
# HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions



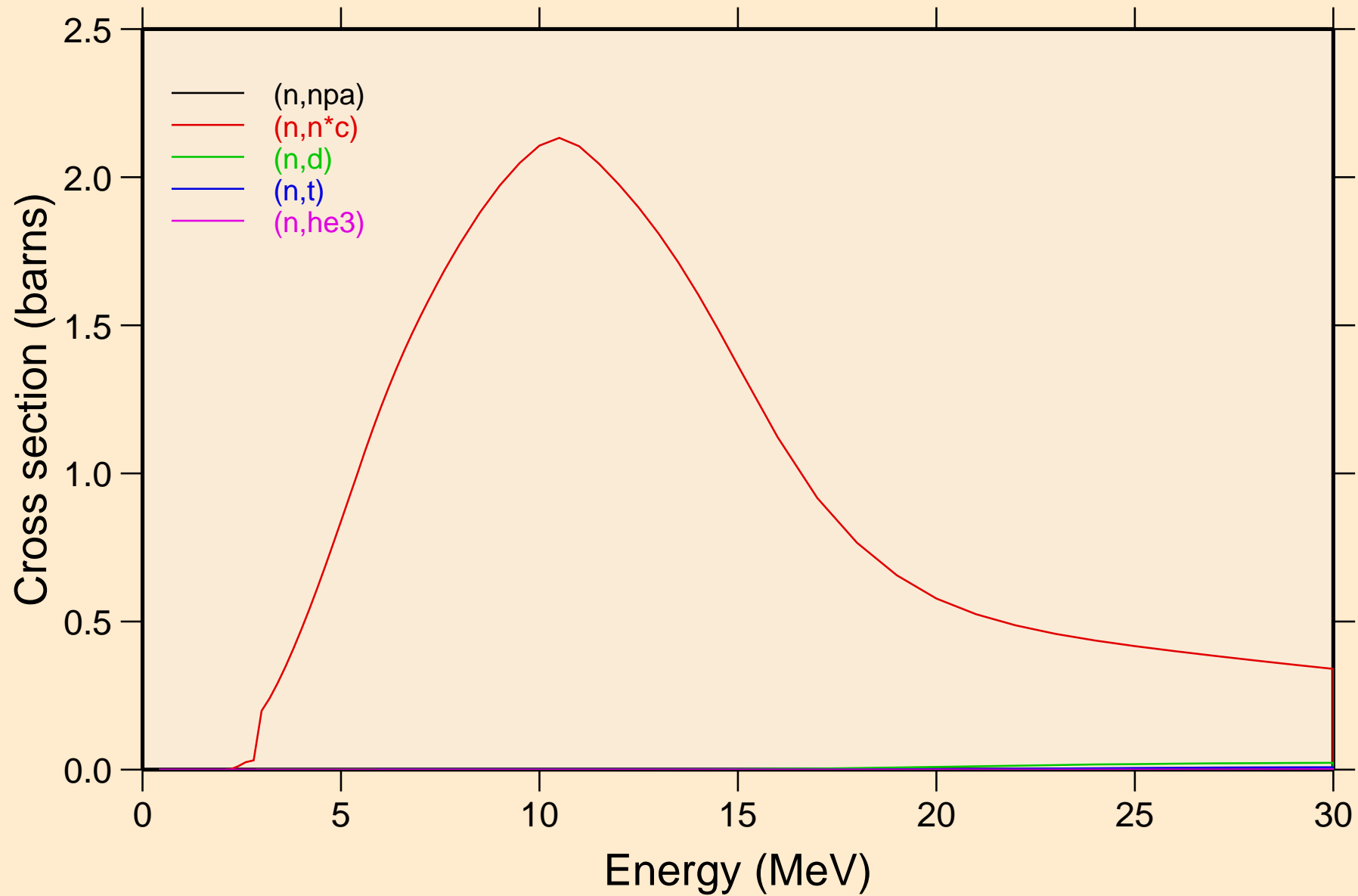
# HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions



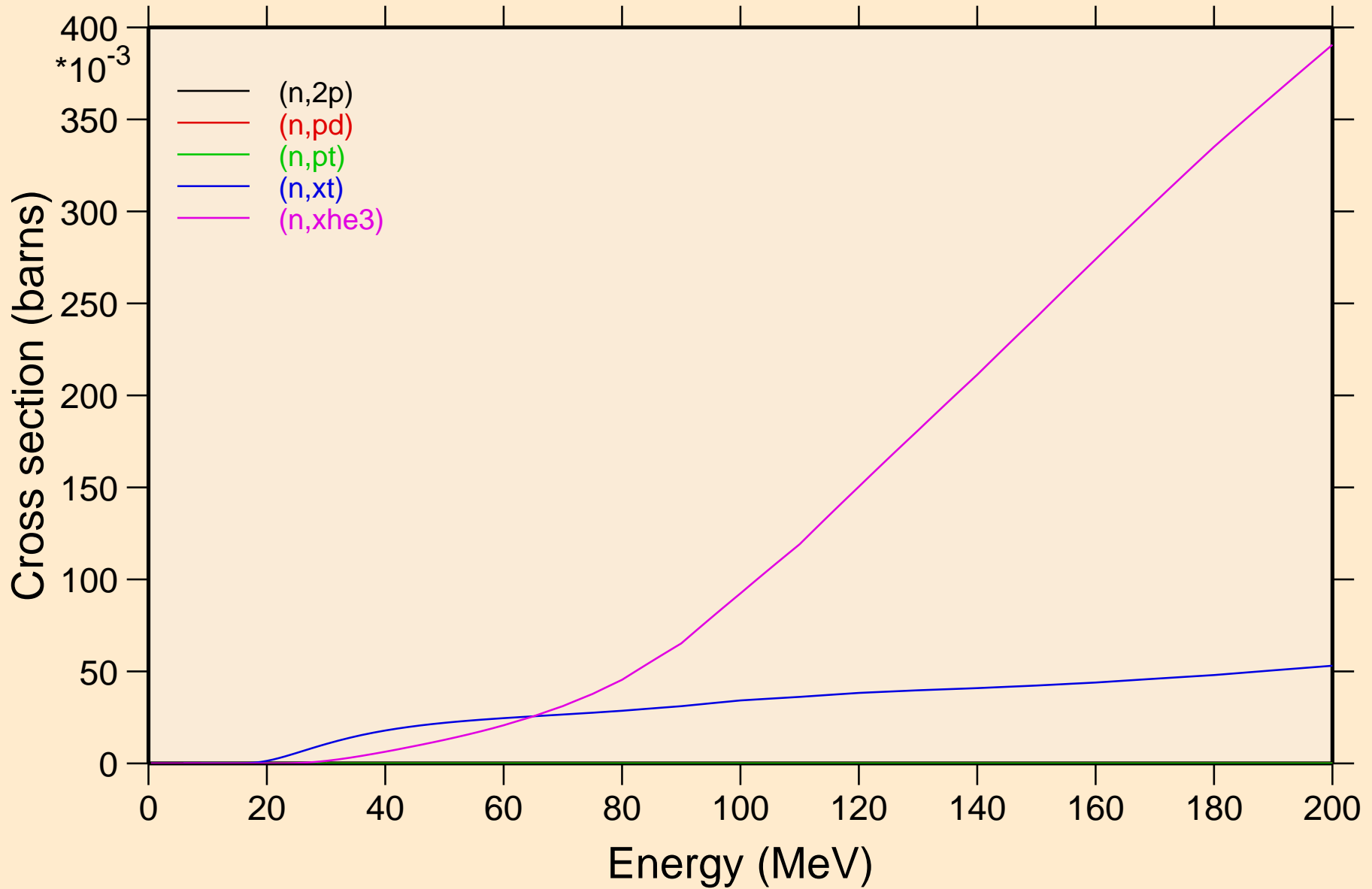
# HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions

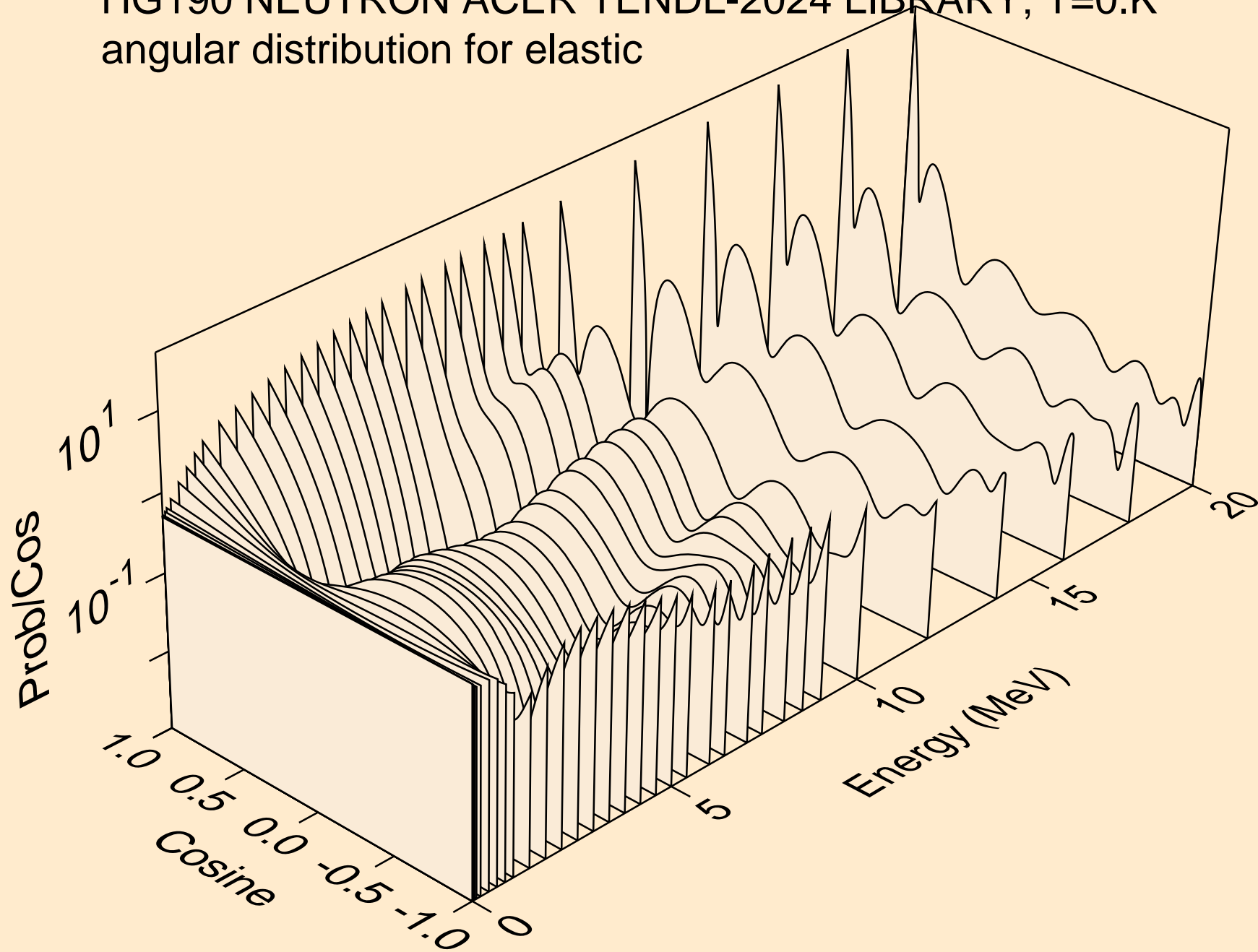


# HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

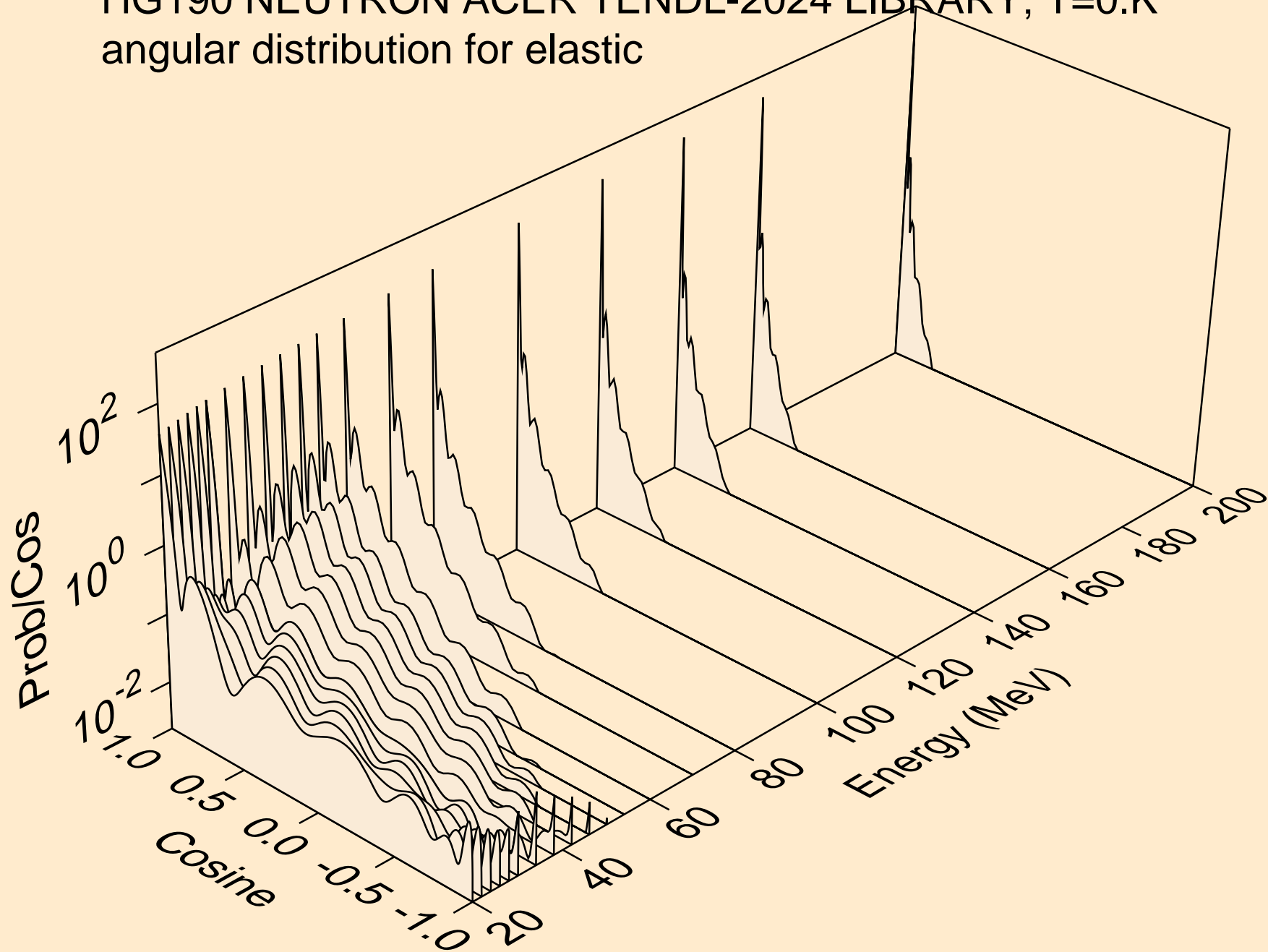
## Threshold reactions



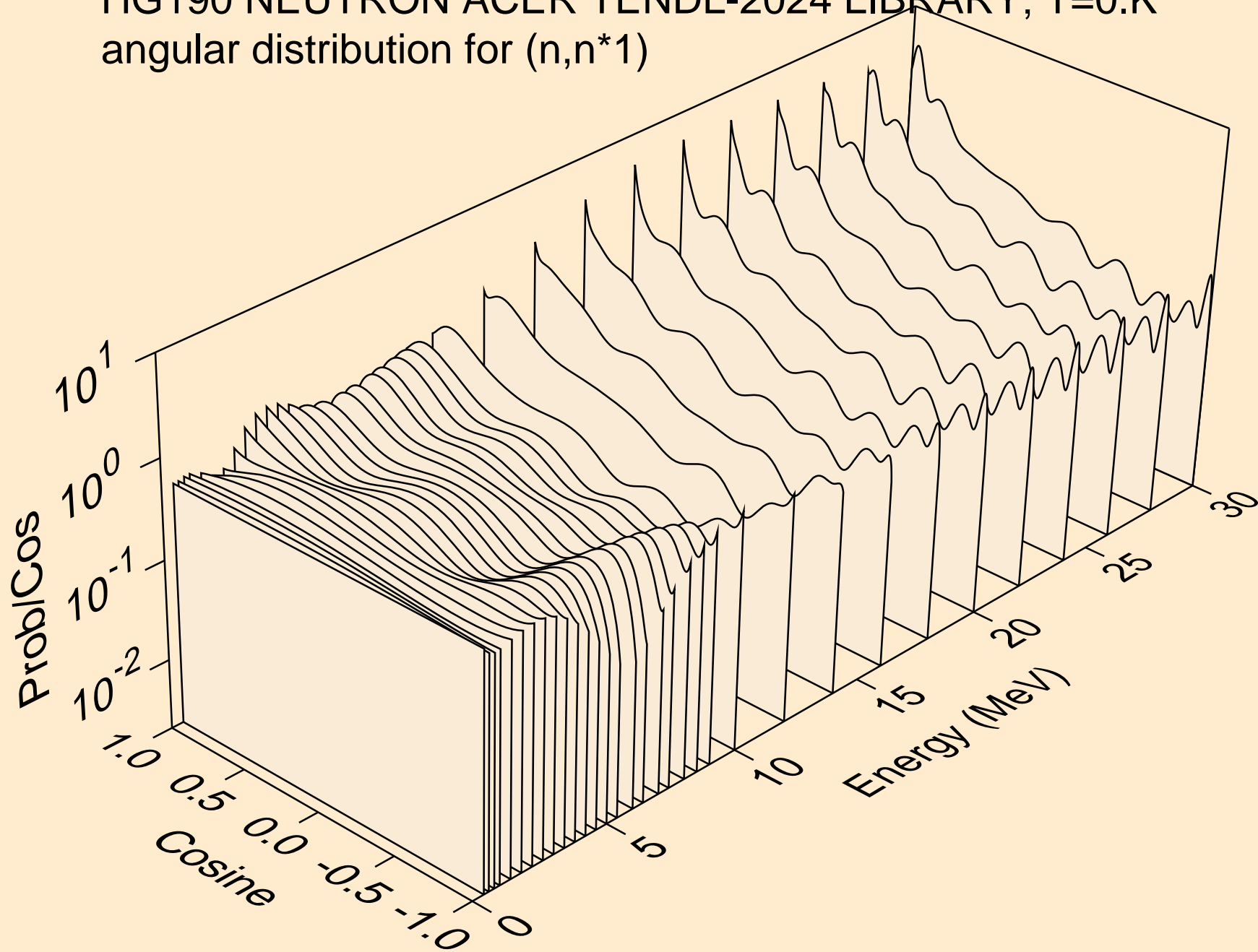
HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



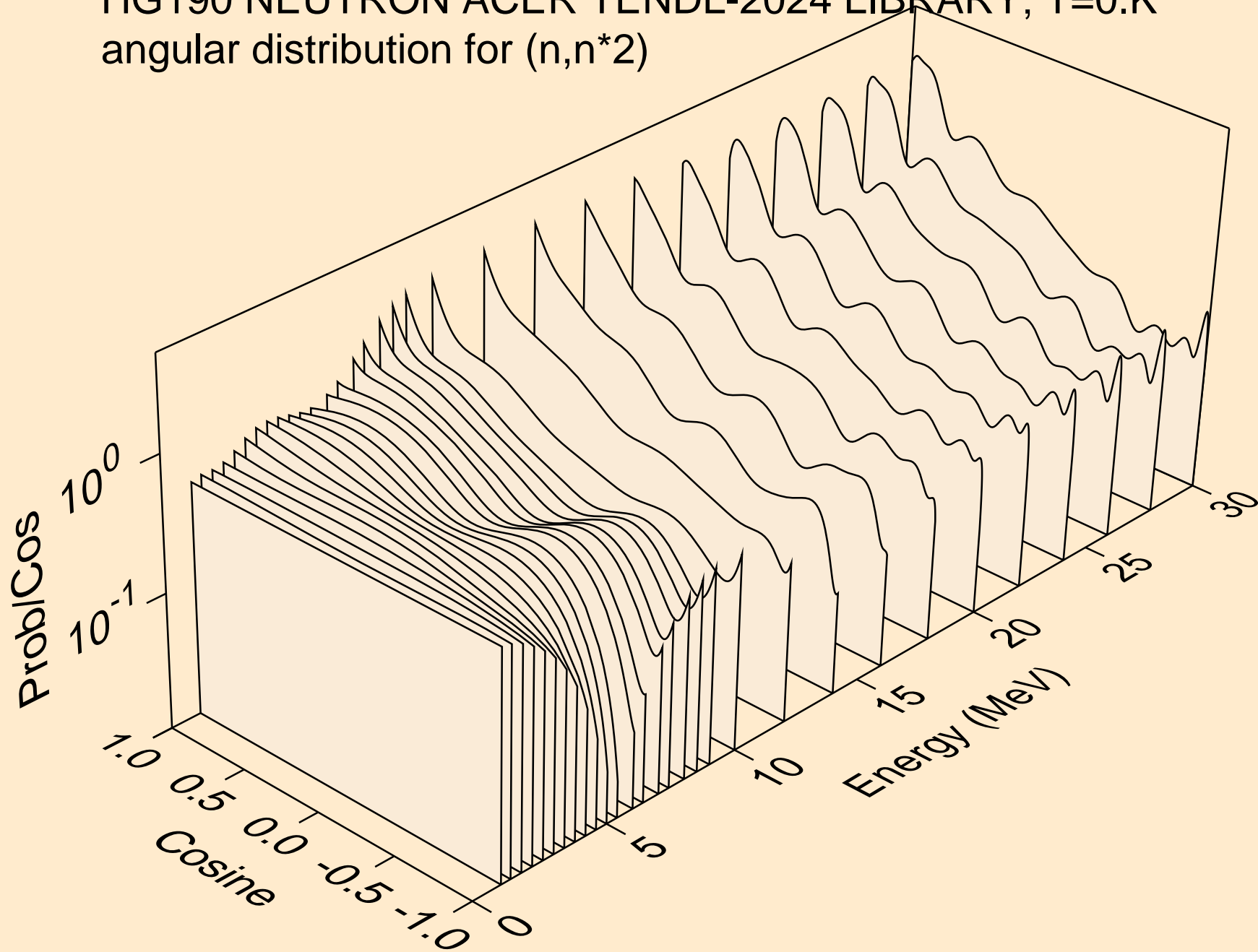
HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*1)

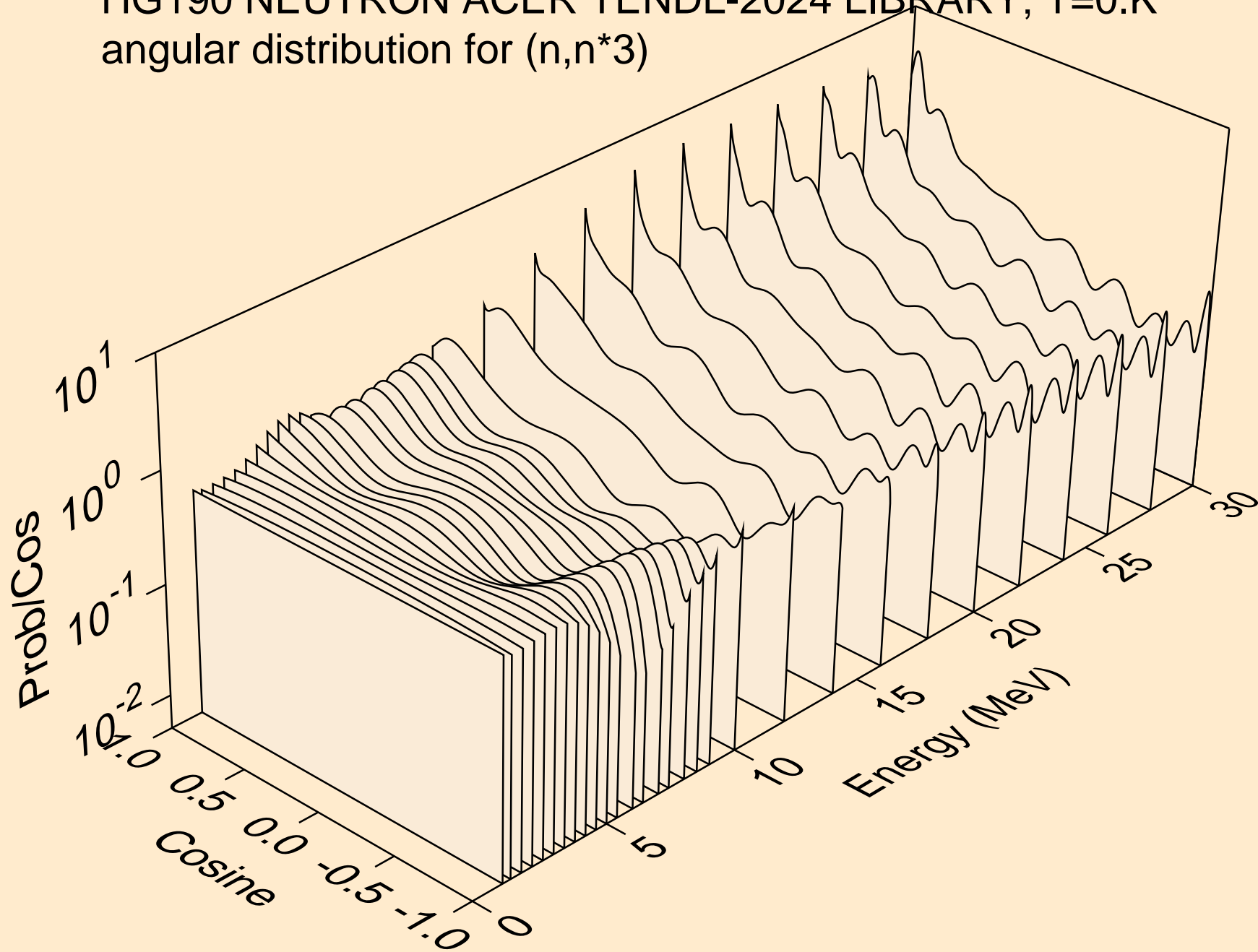


HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*2)

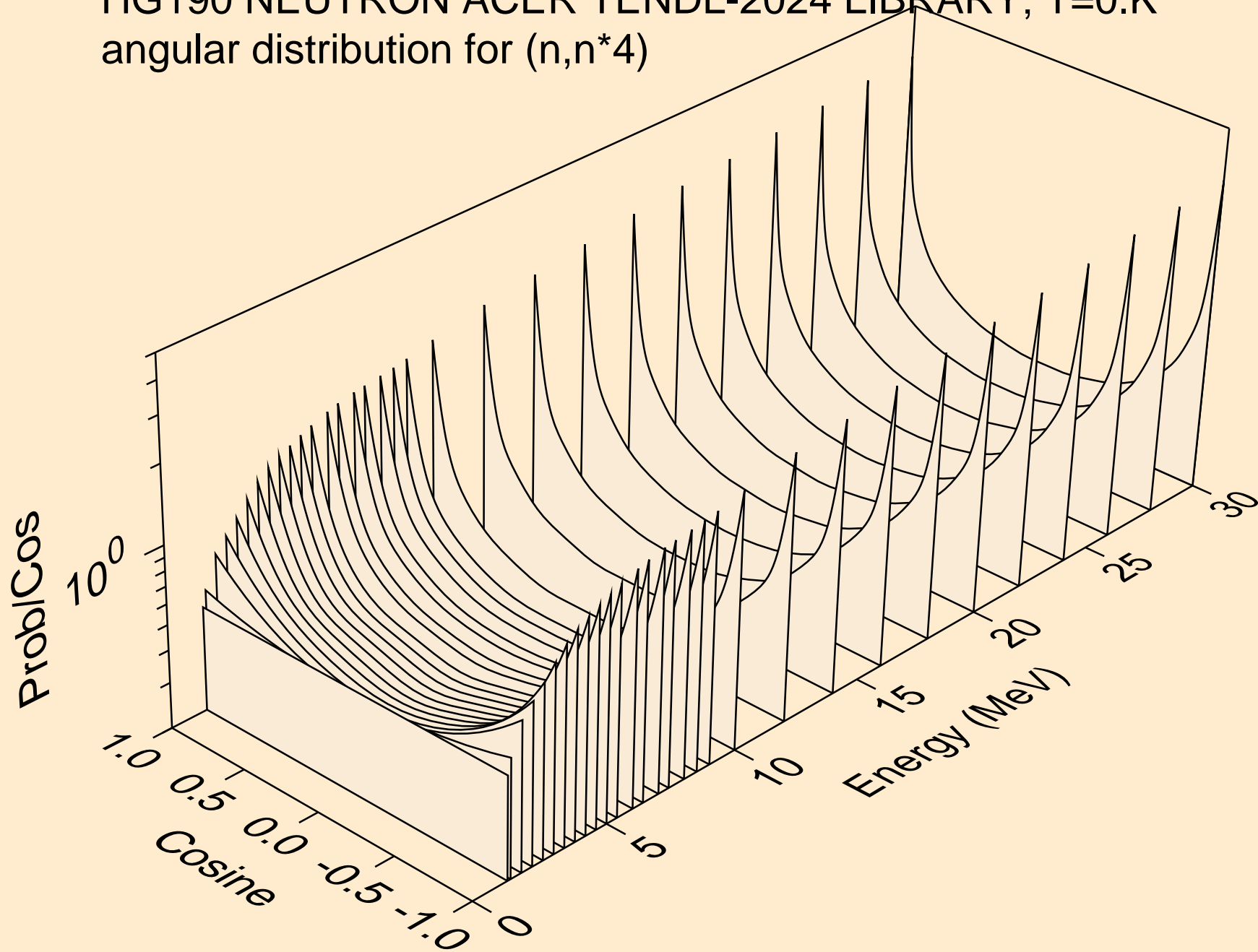




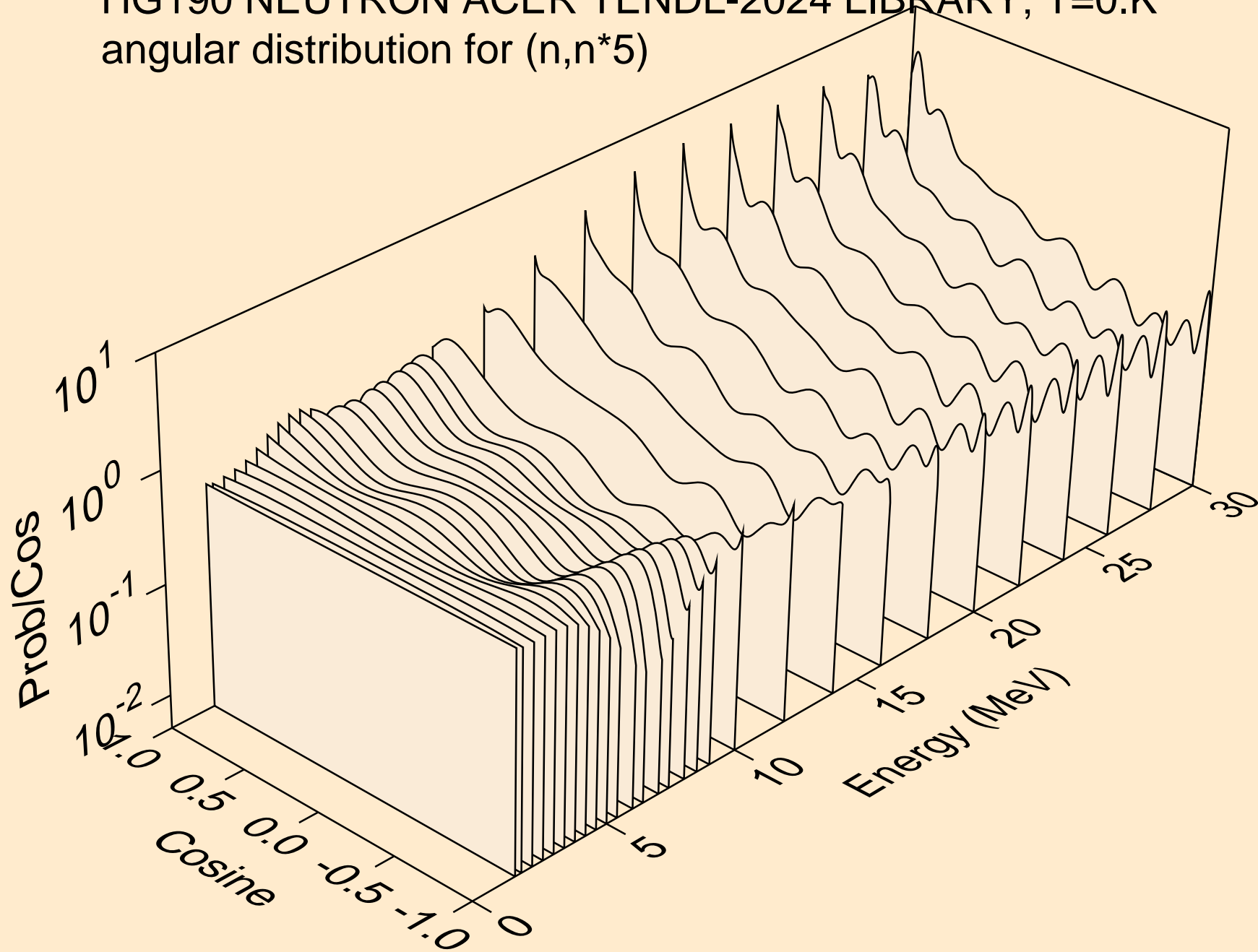
HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*3)



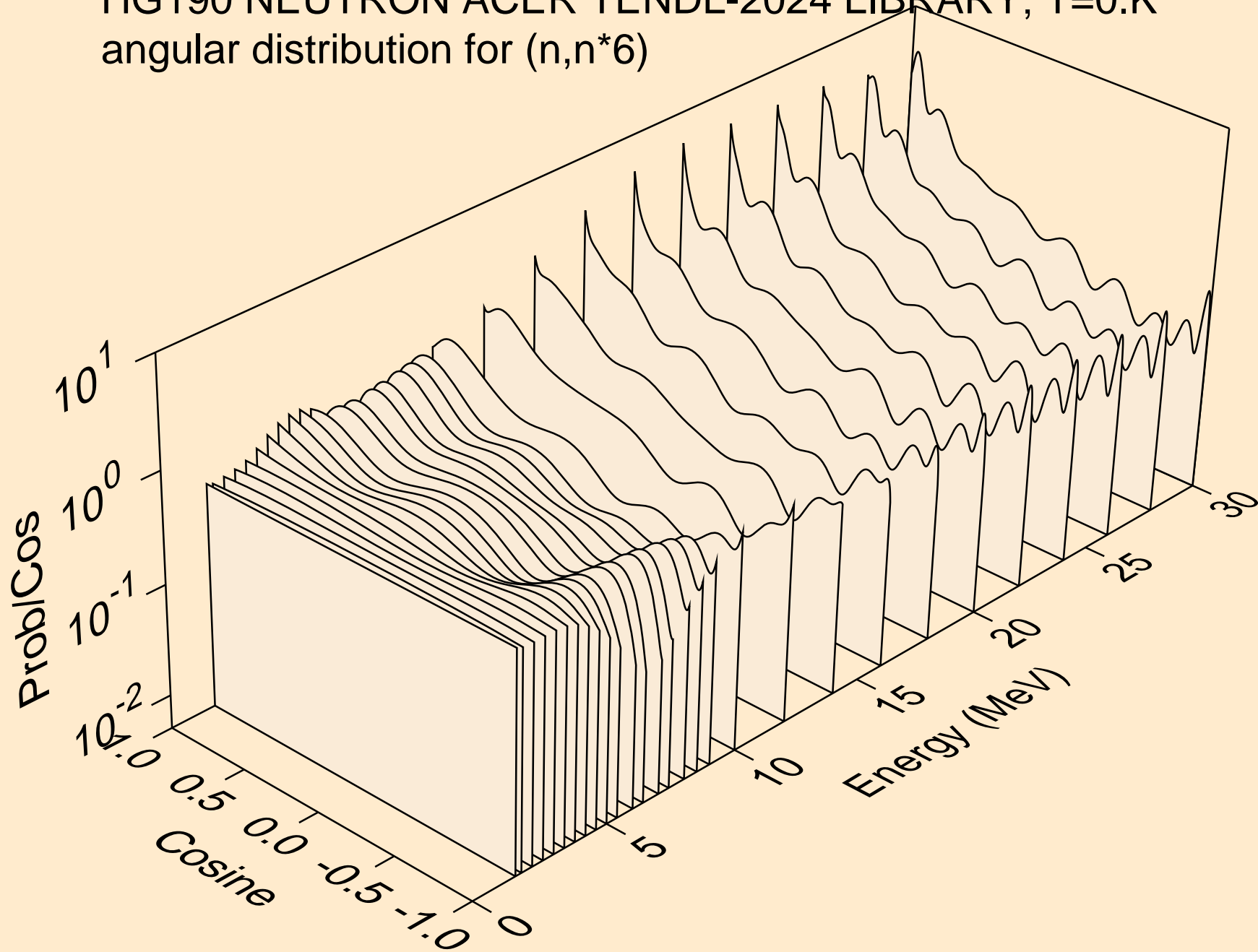
HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*4)



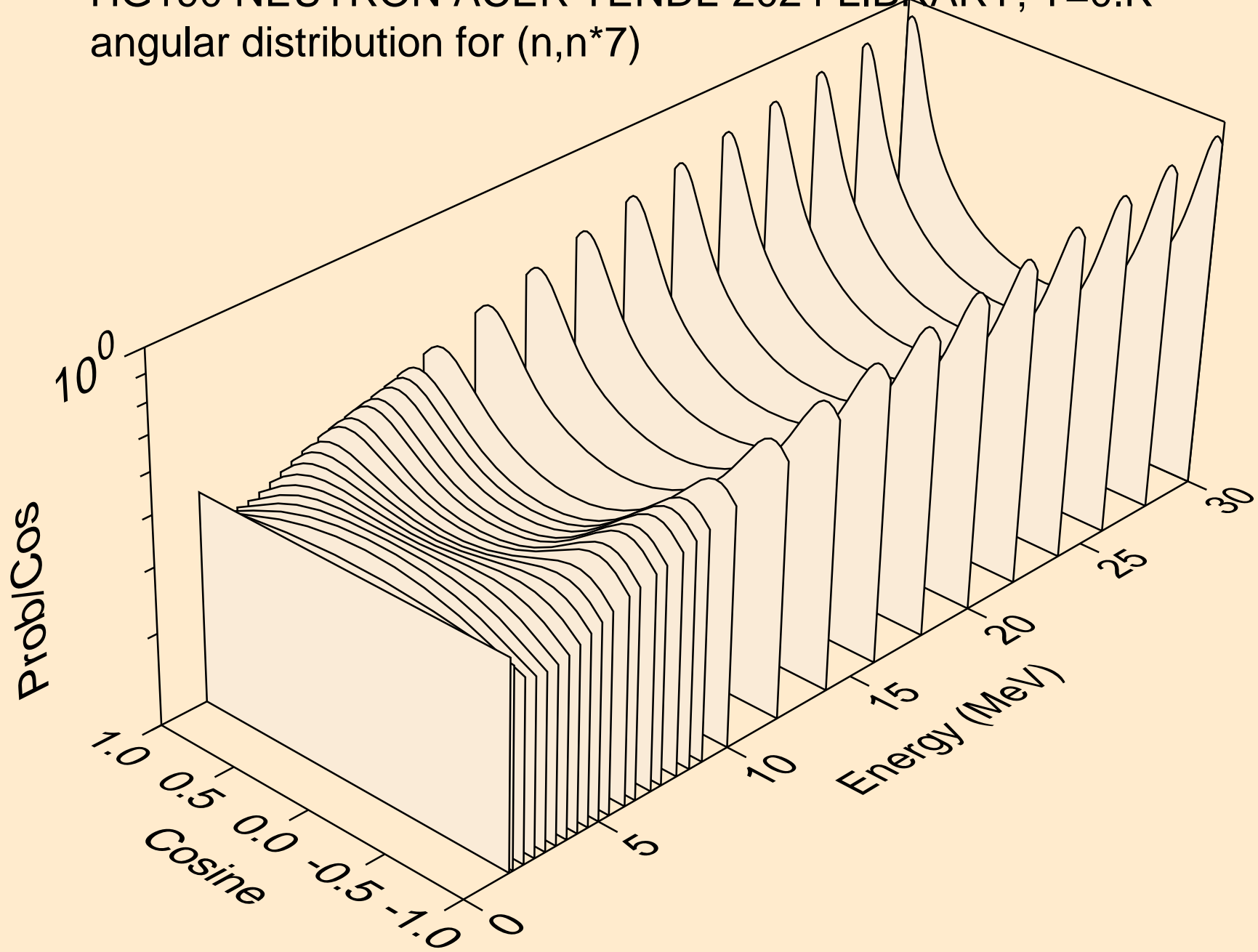
HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*5)



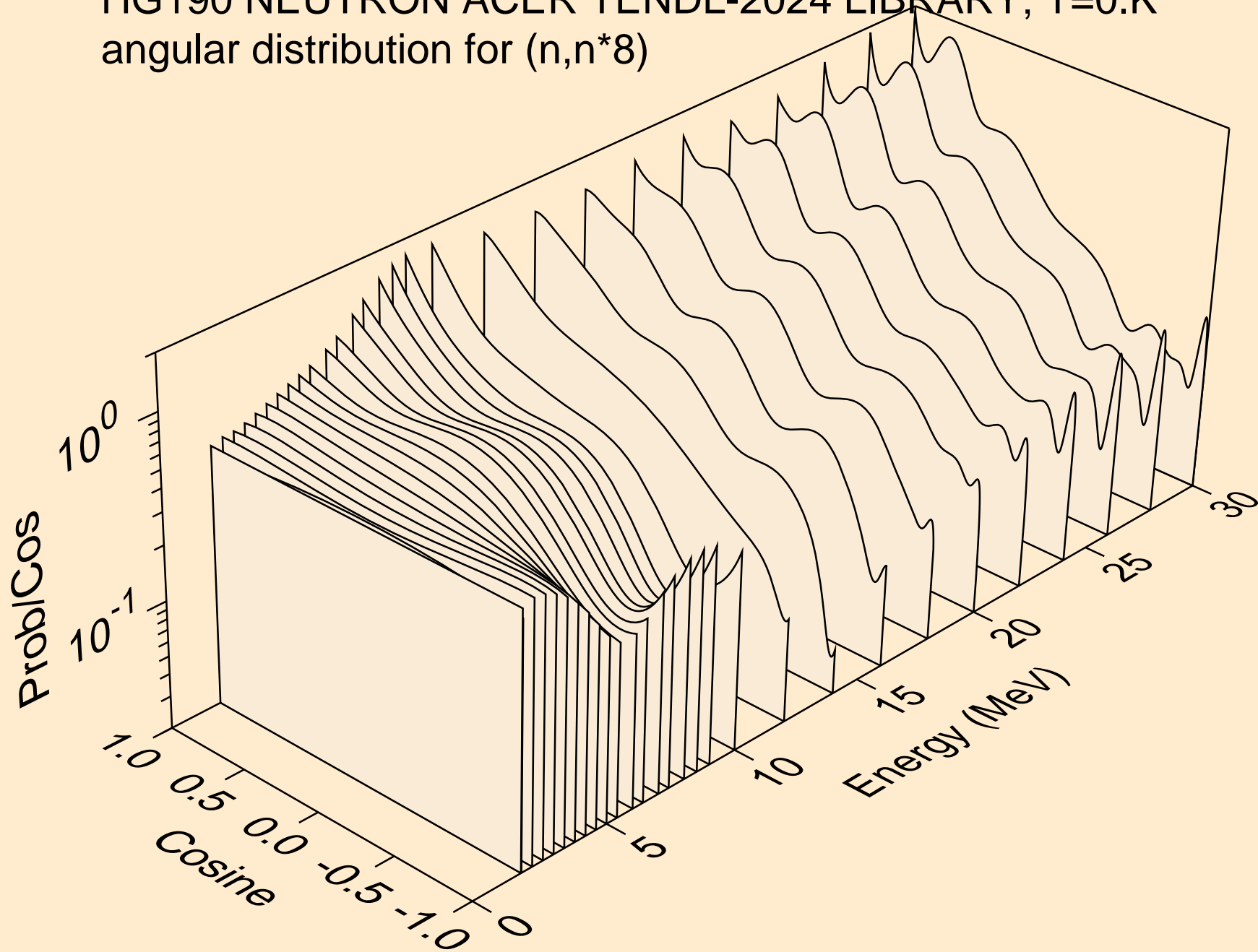
HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*6)



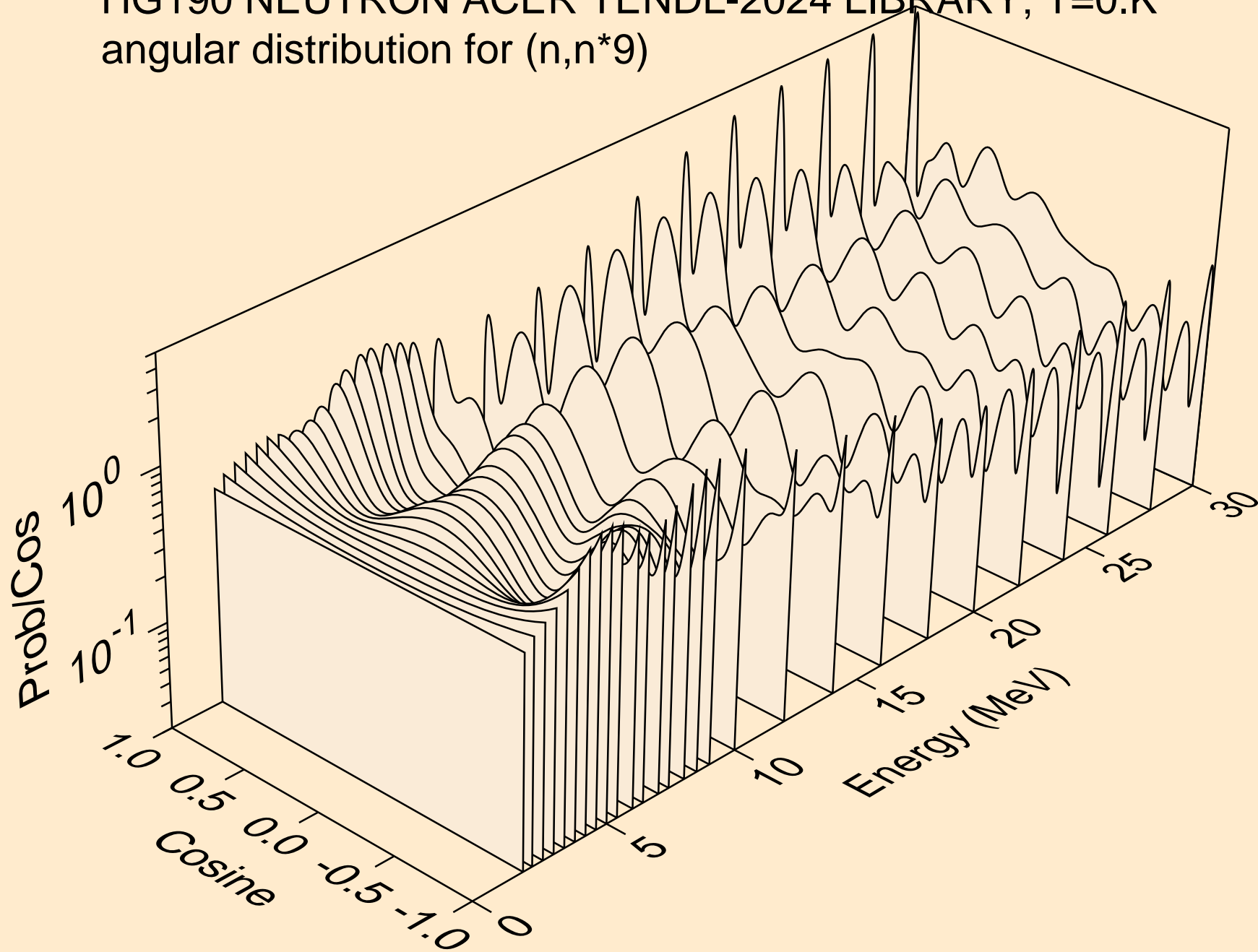
HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*7)



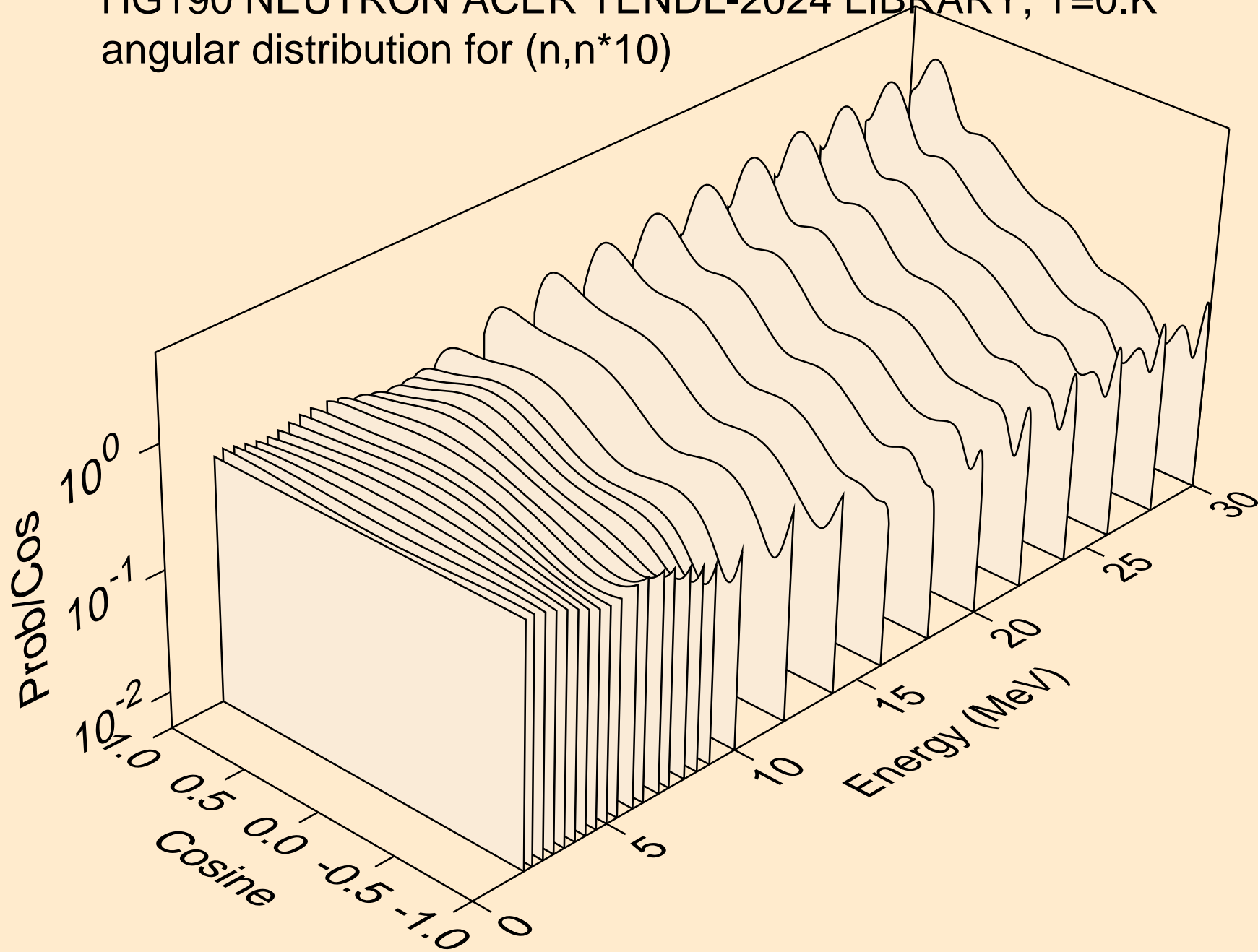
HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*8)



HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*9)

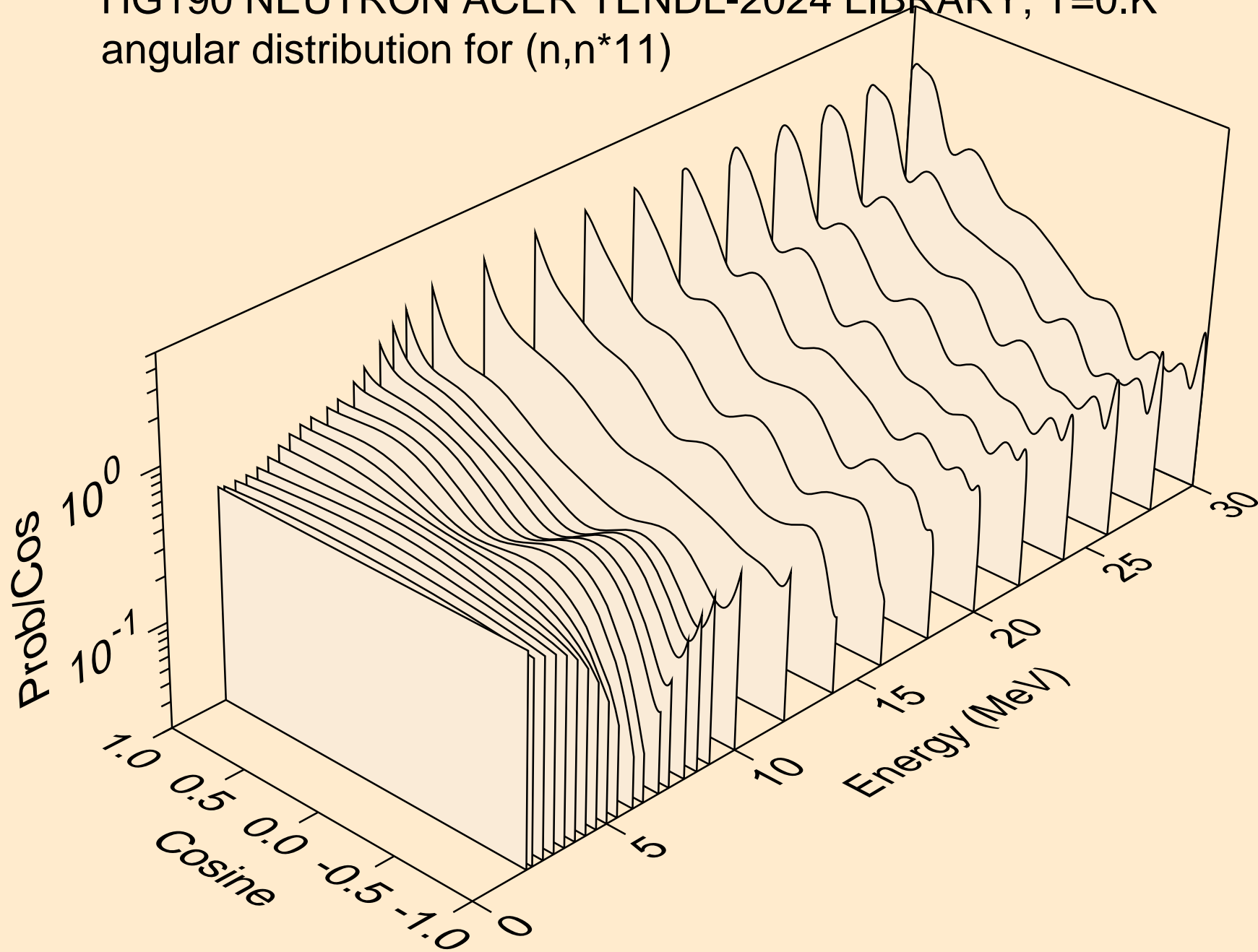


HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*10)

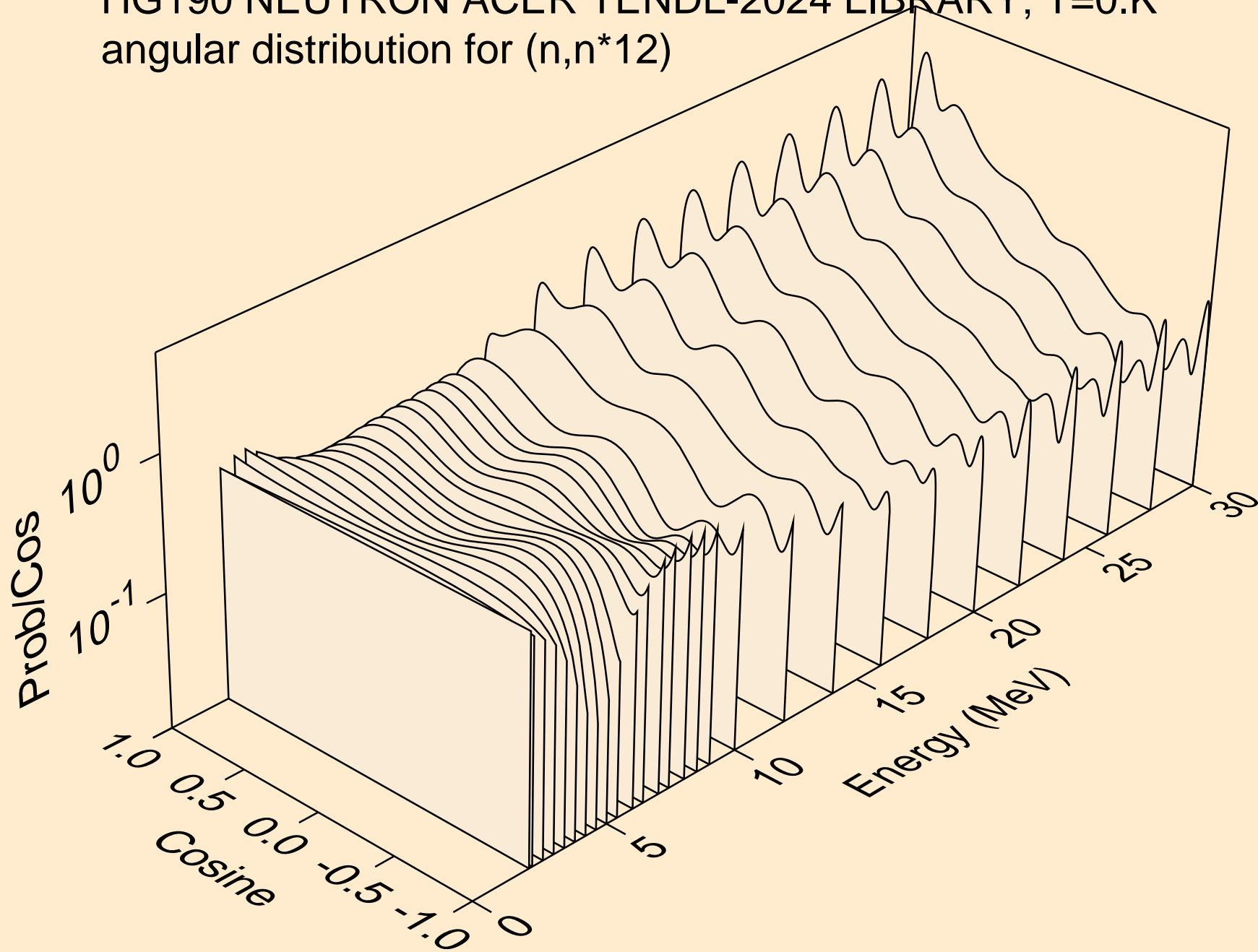




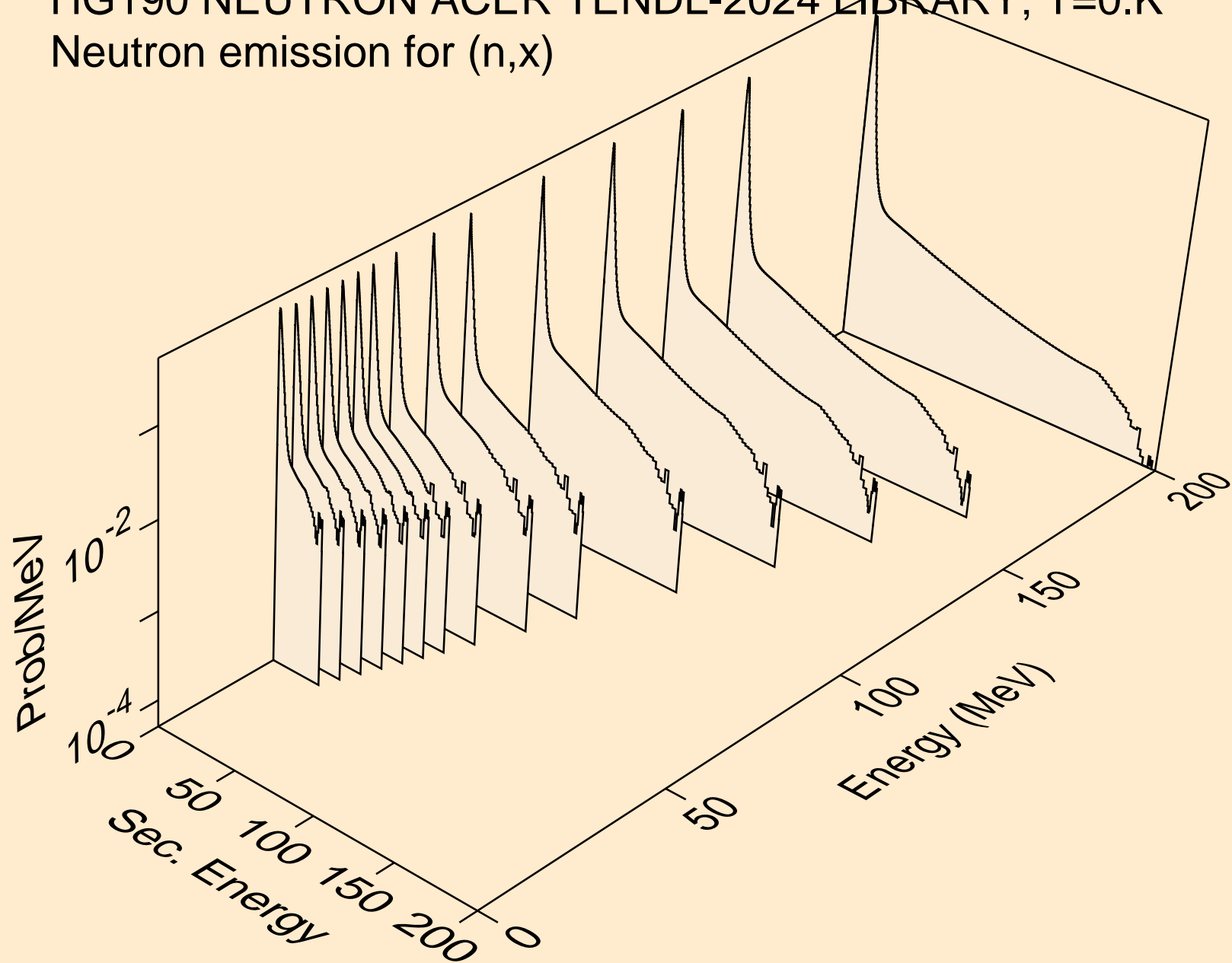
HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*11)



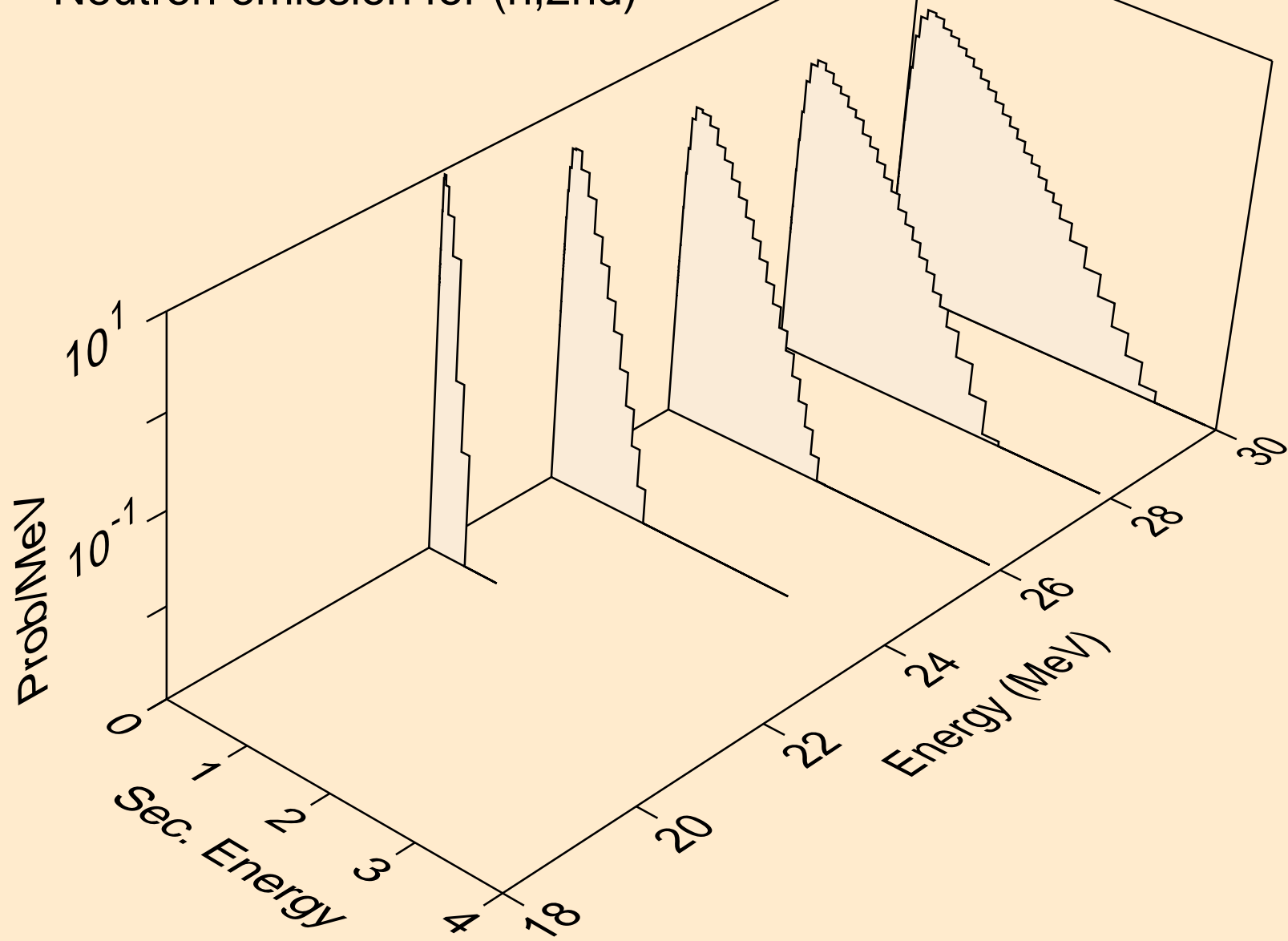
HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*12)



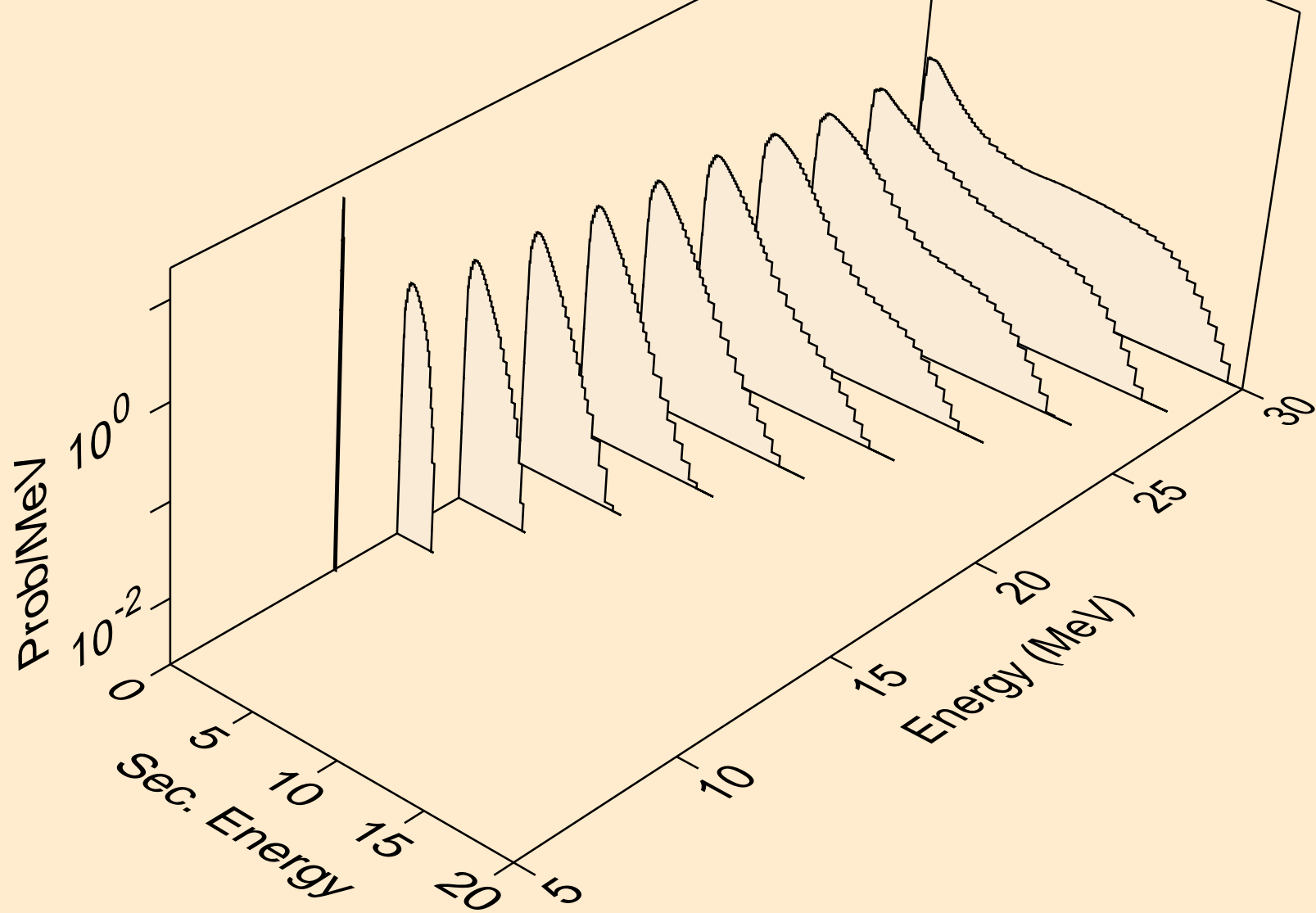
HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,x)



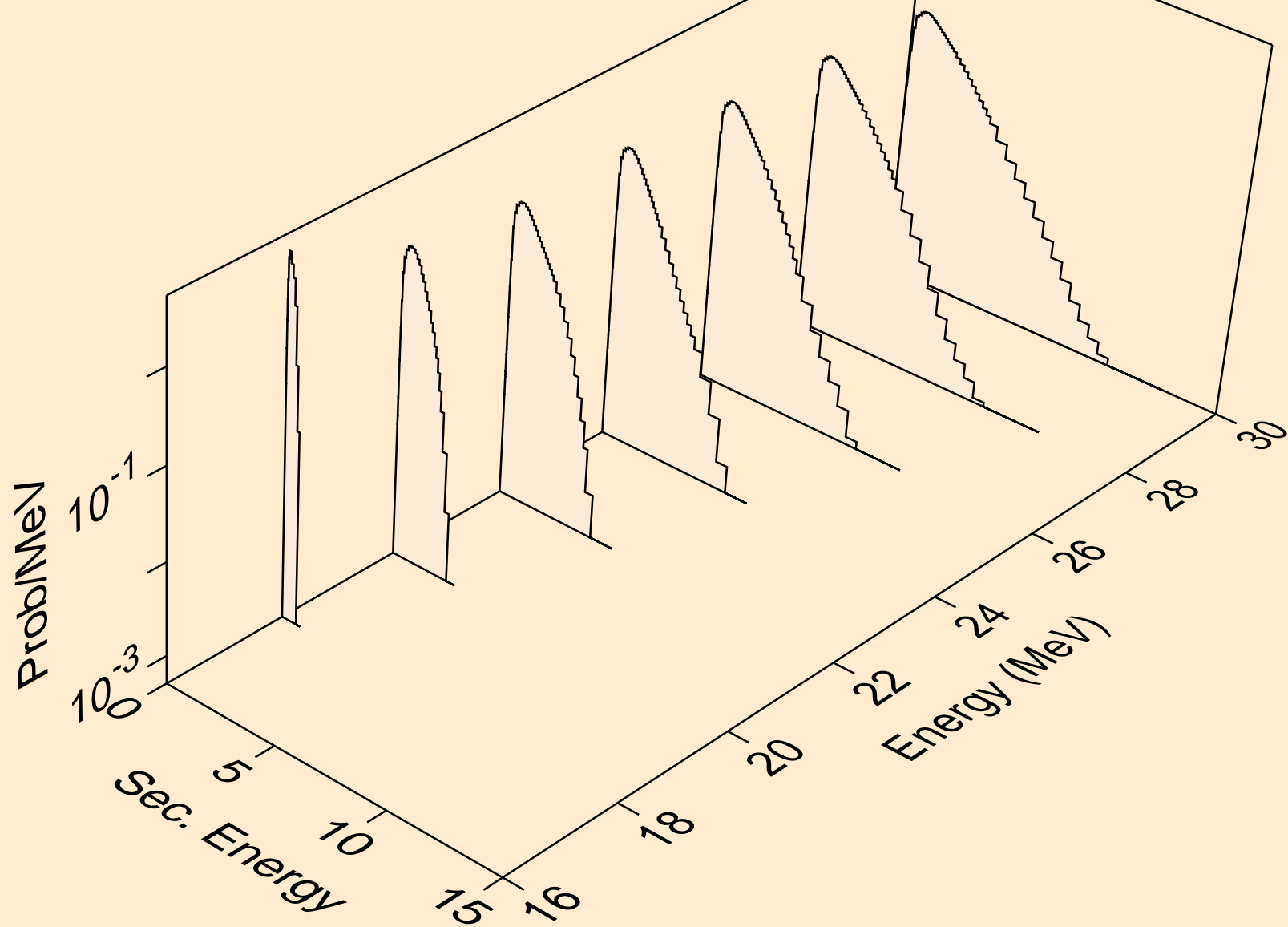
HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



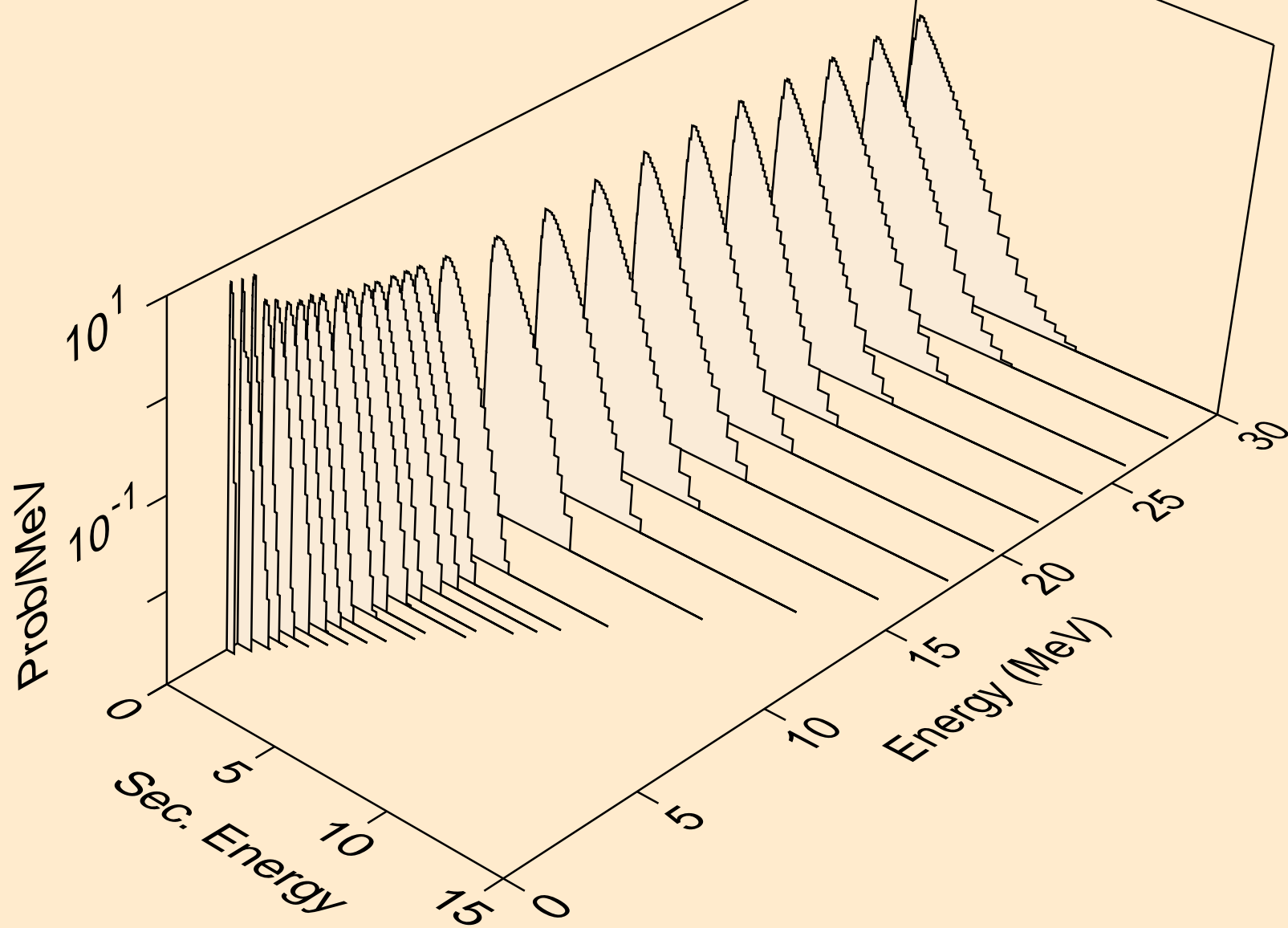
HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)



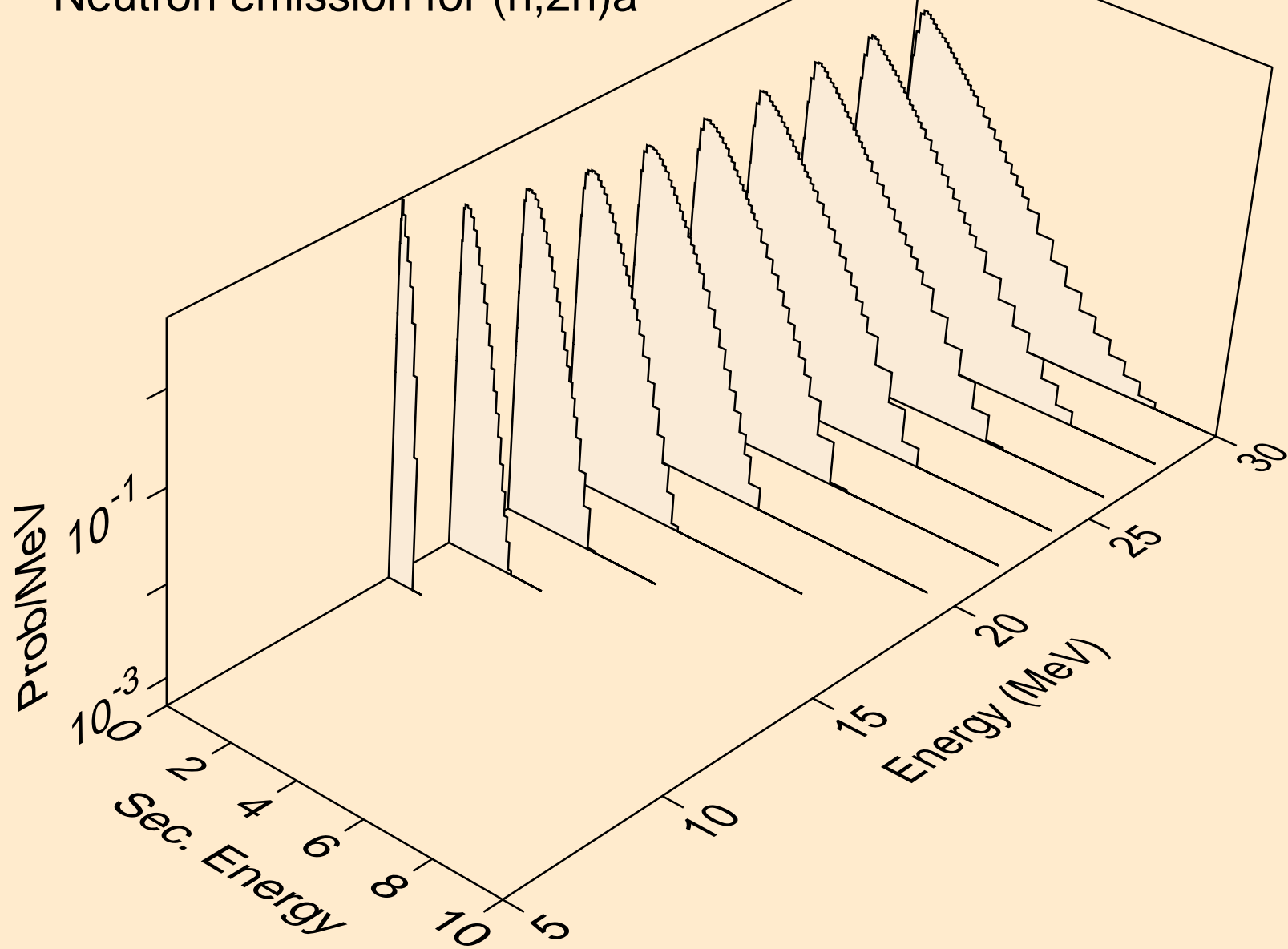
HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)



HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a

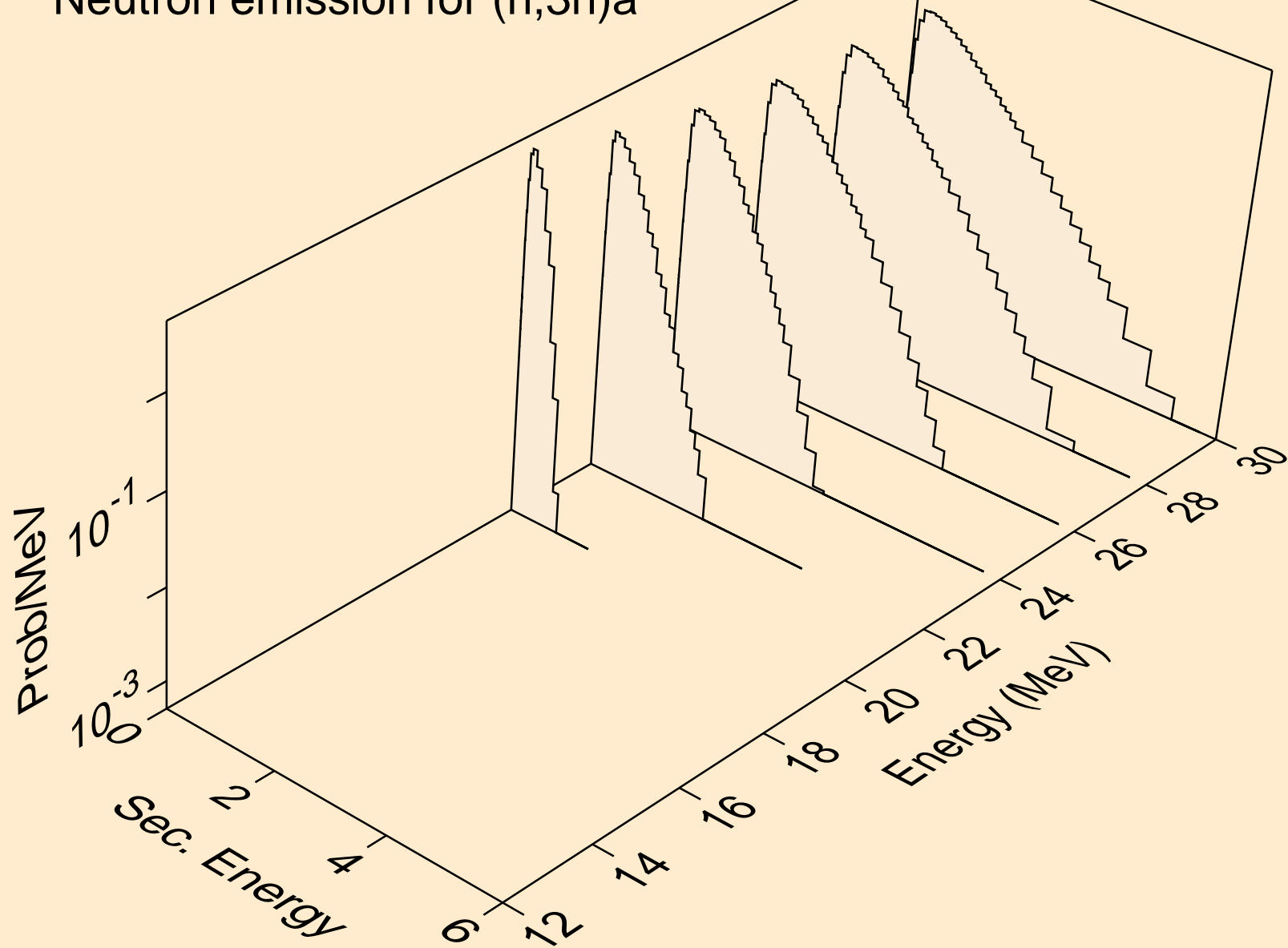


HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)a

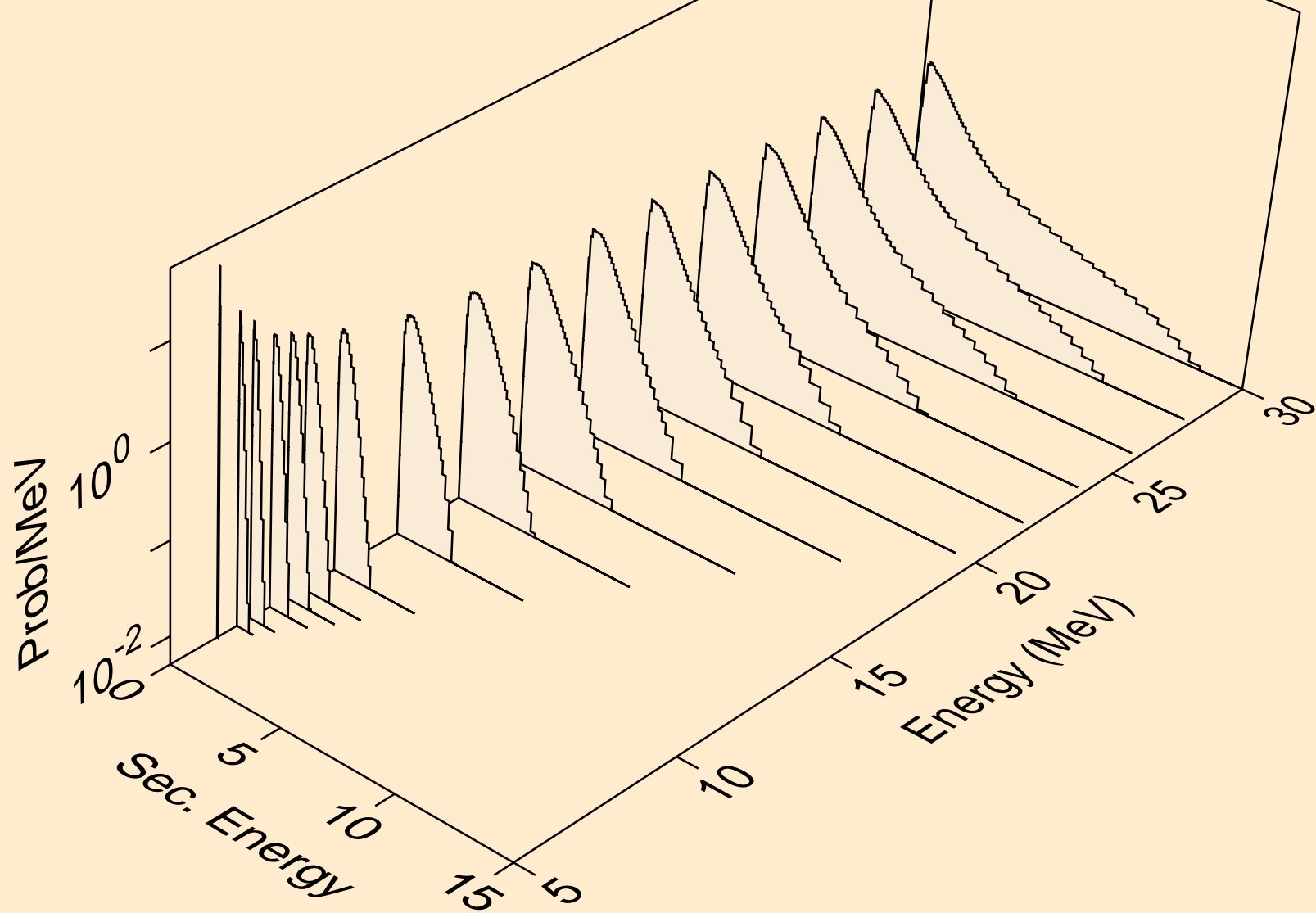




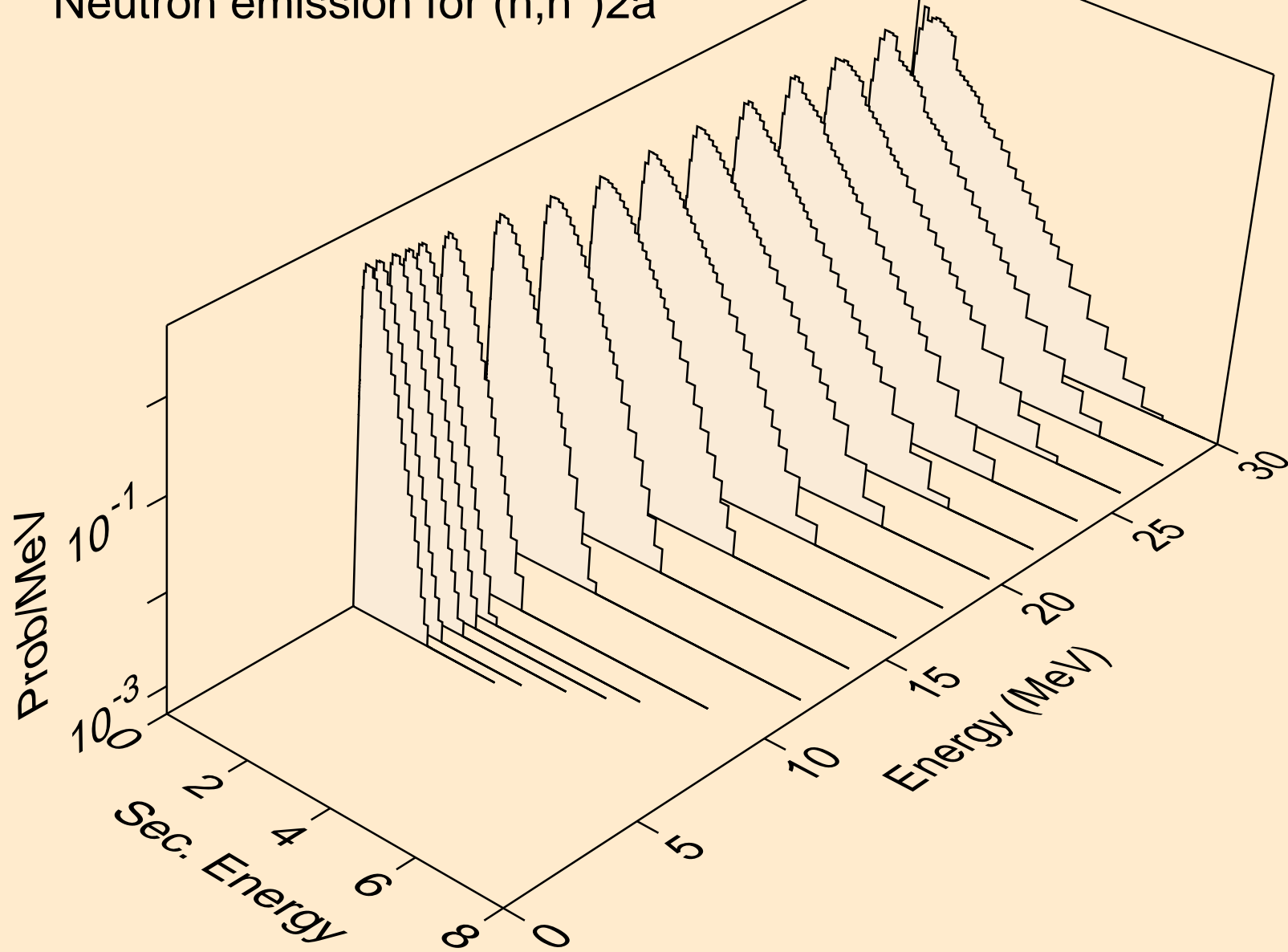
HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)a



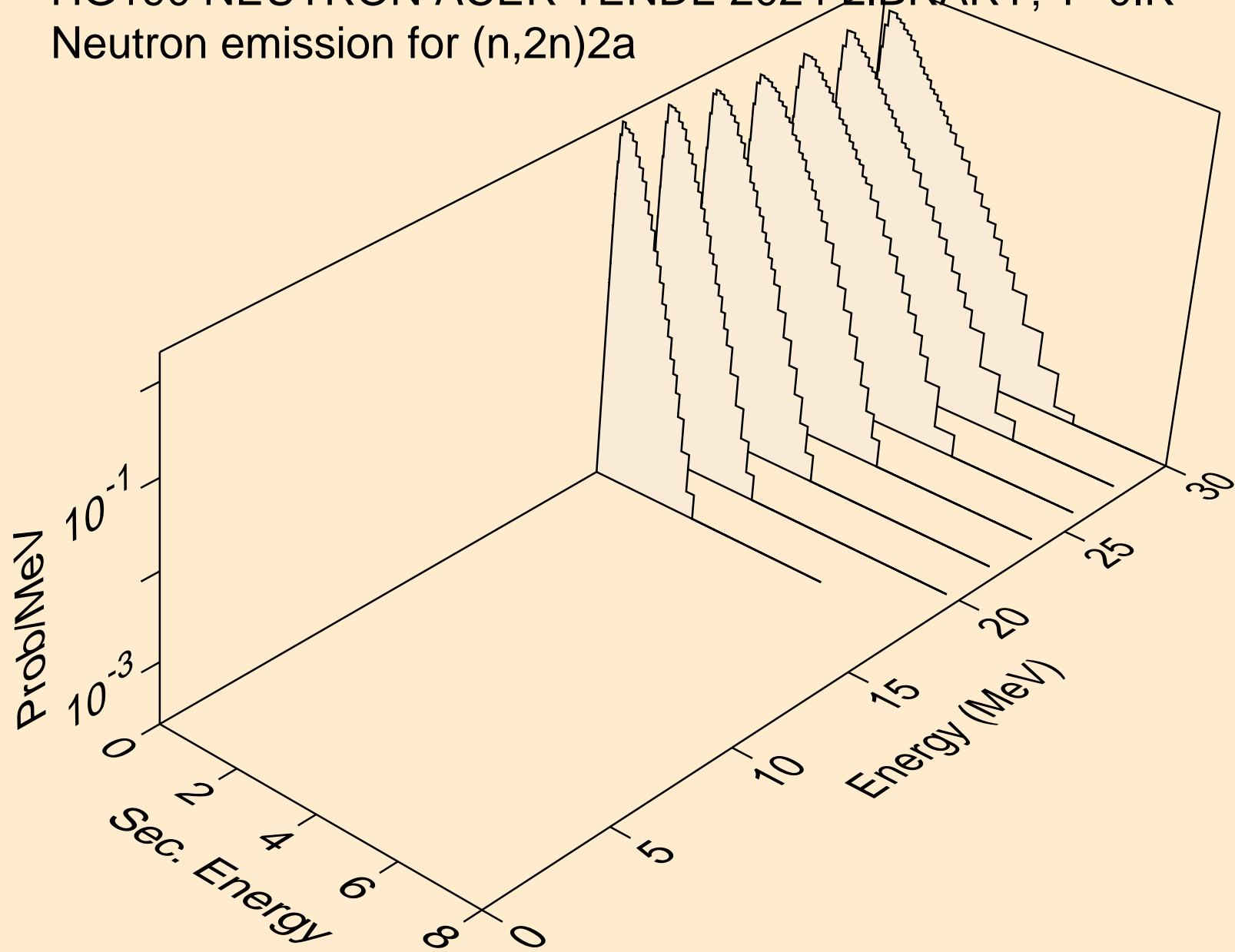
HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



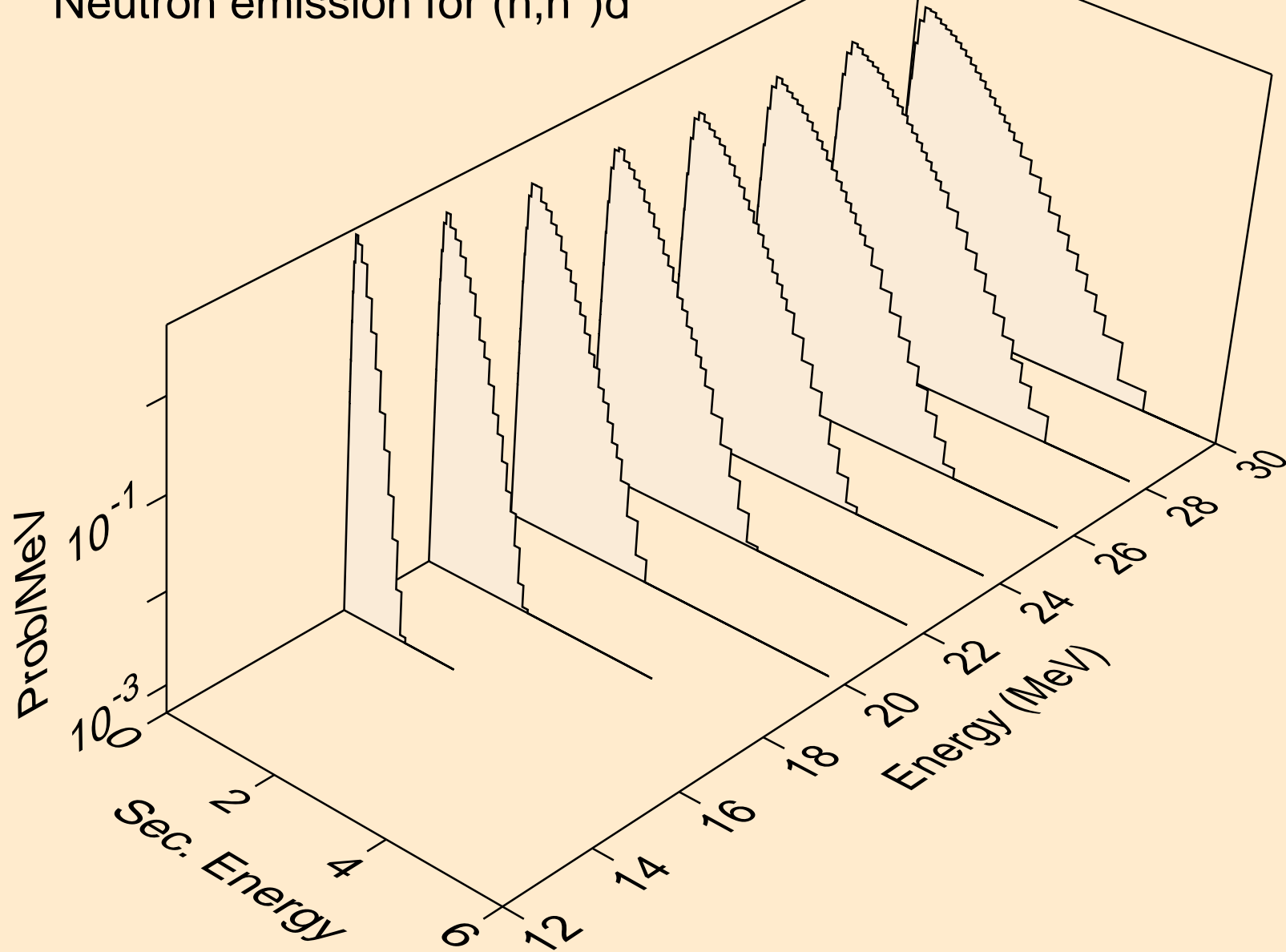
HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)2a



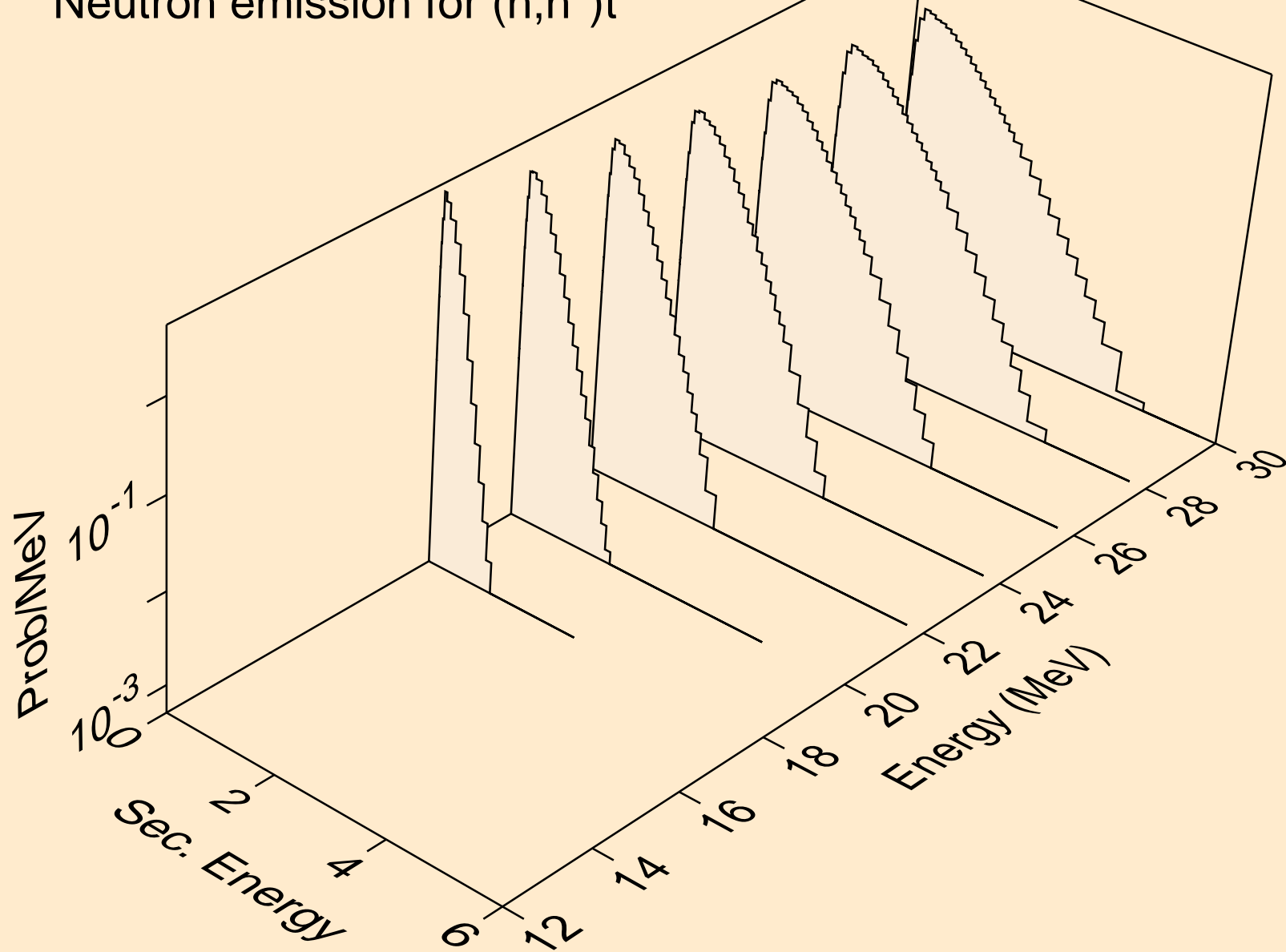
HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)2a



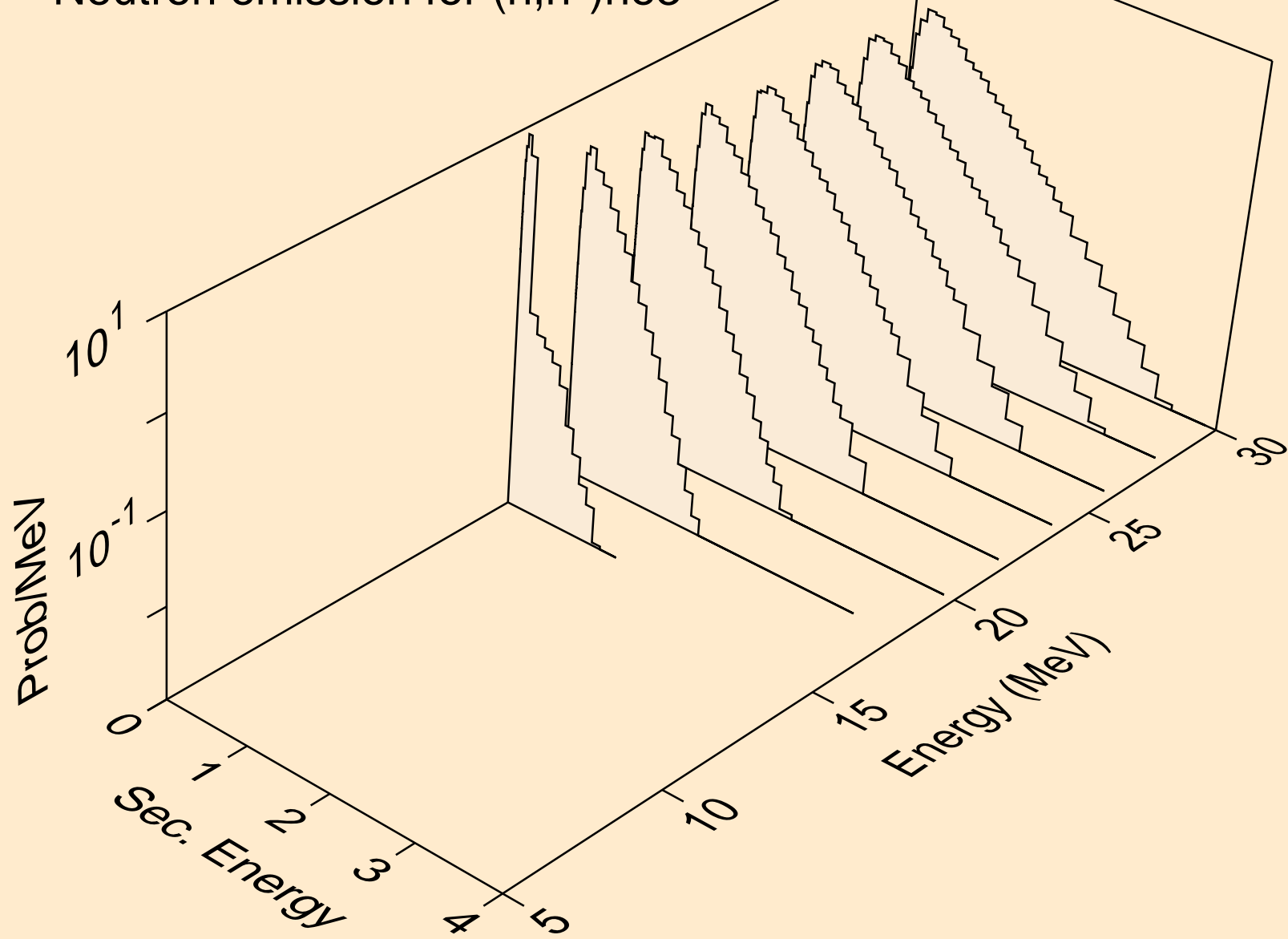
HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d



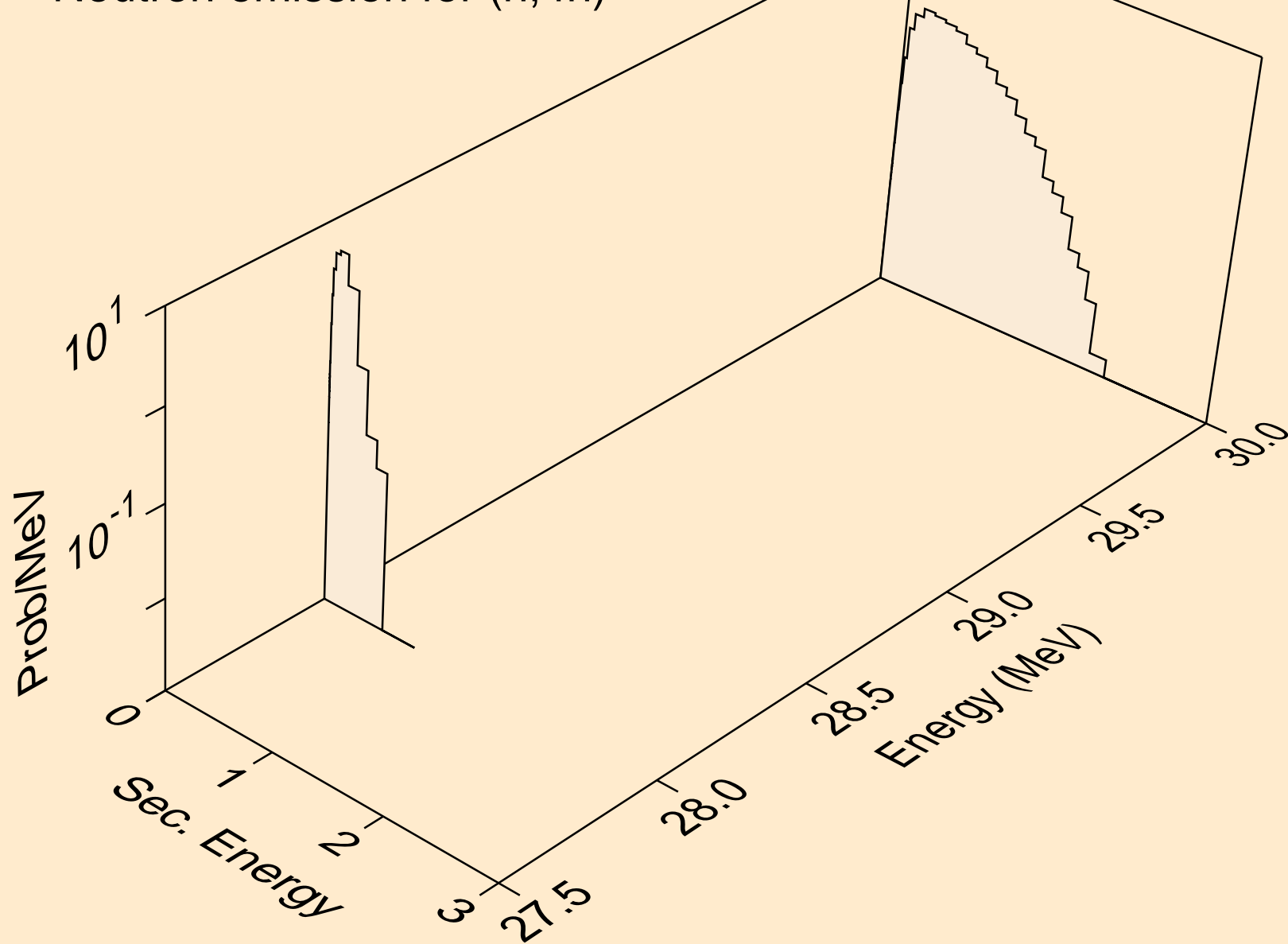
HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3

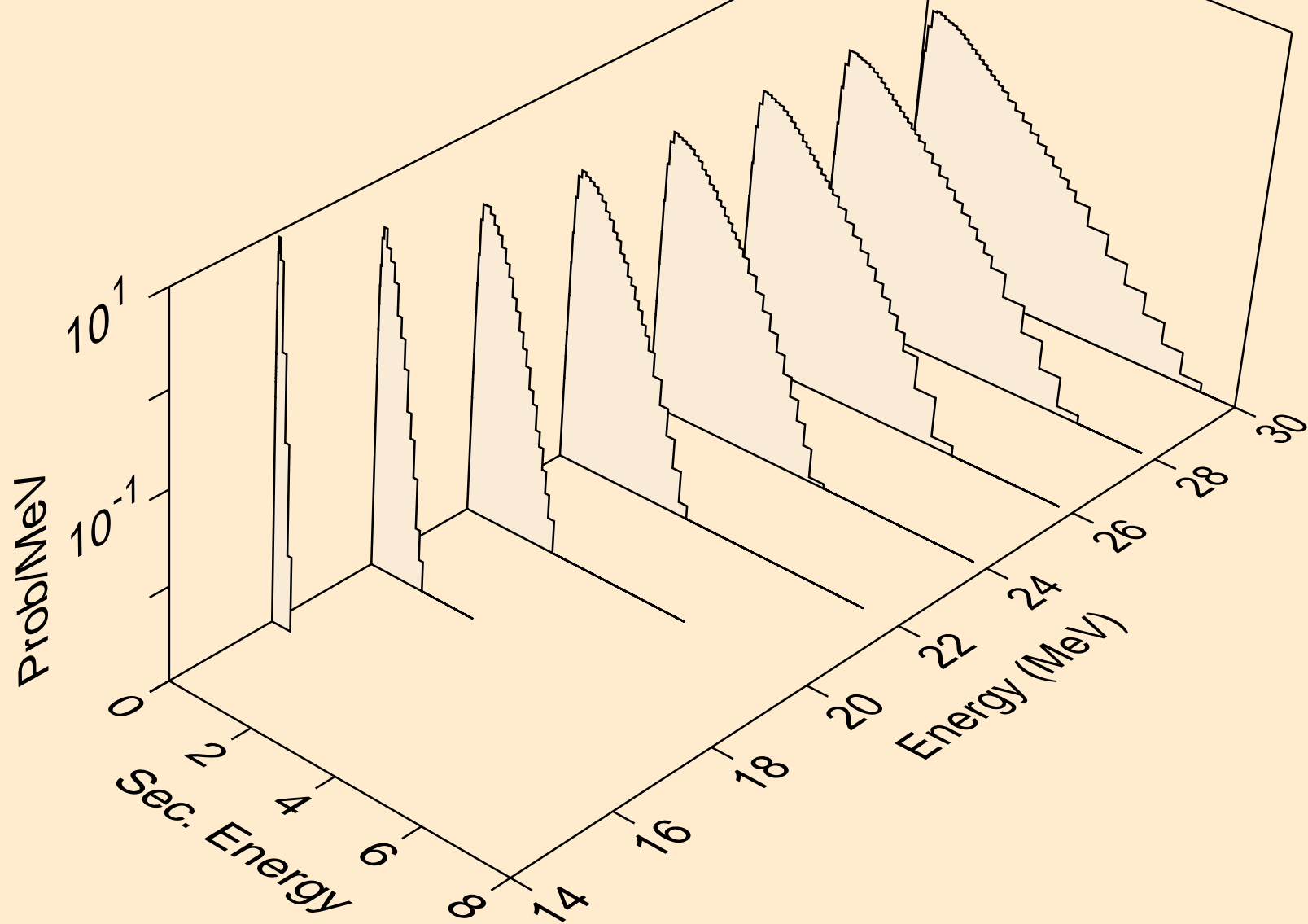


HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,4n)

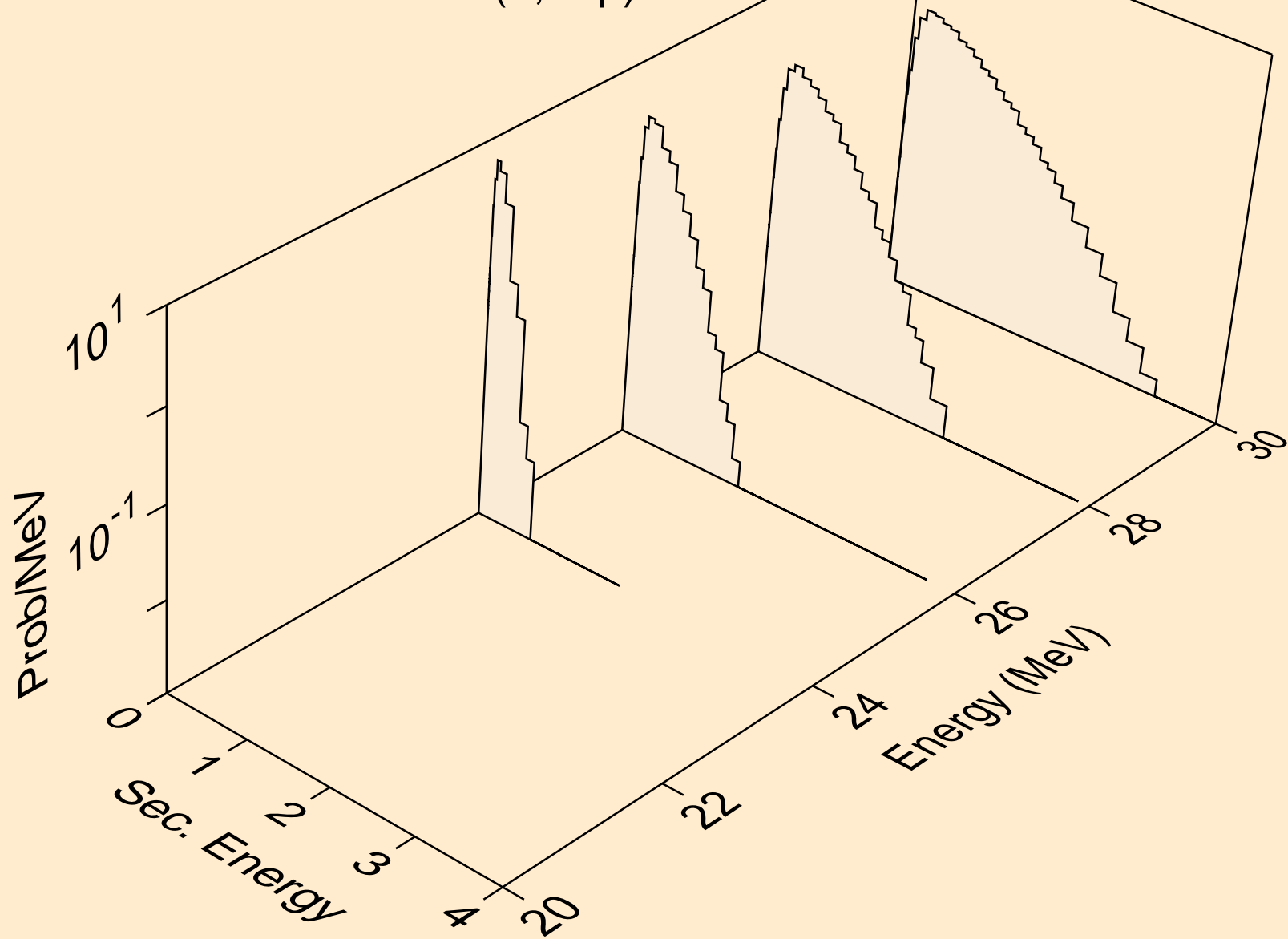




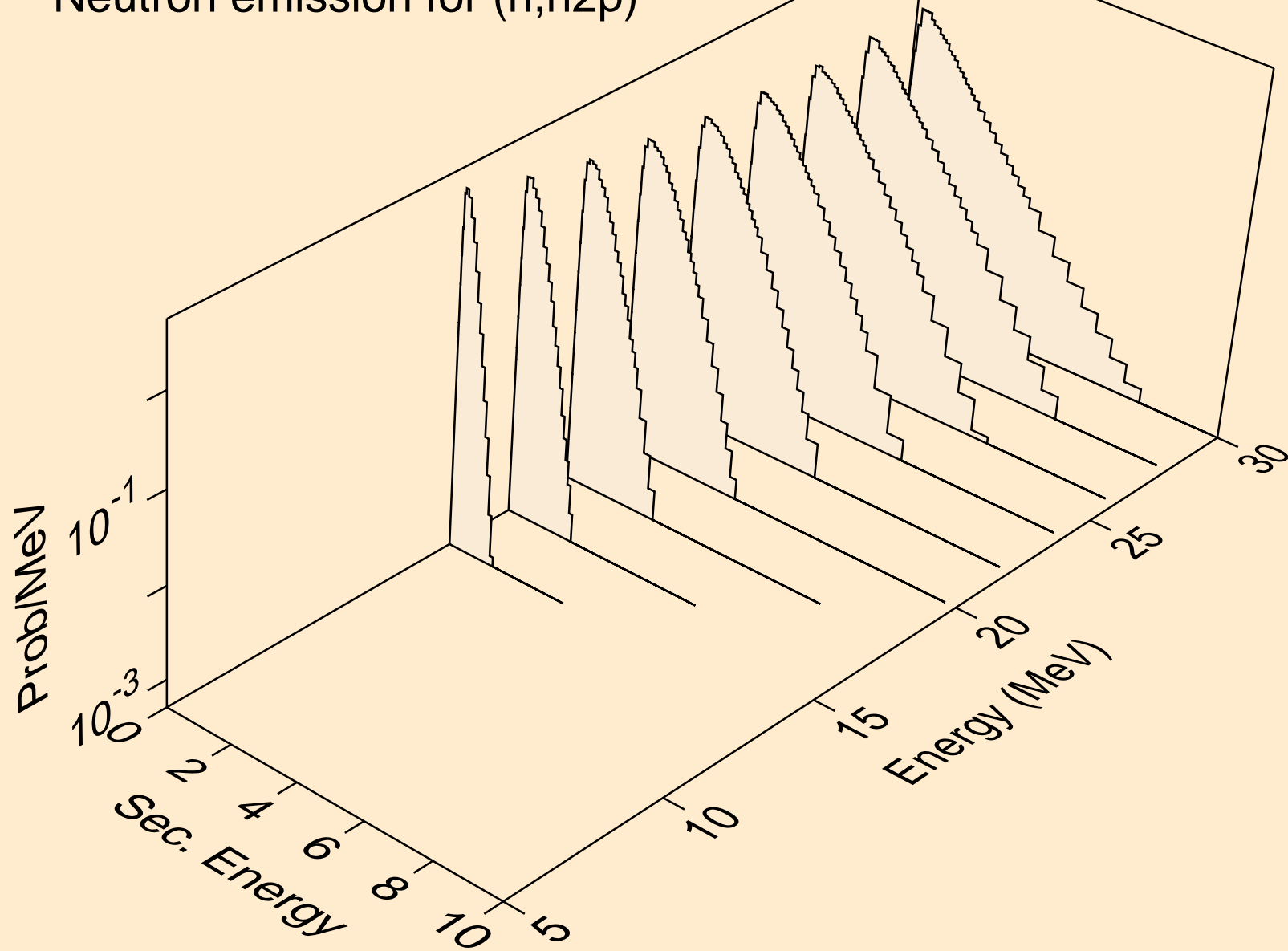
HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2np)



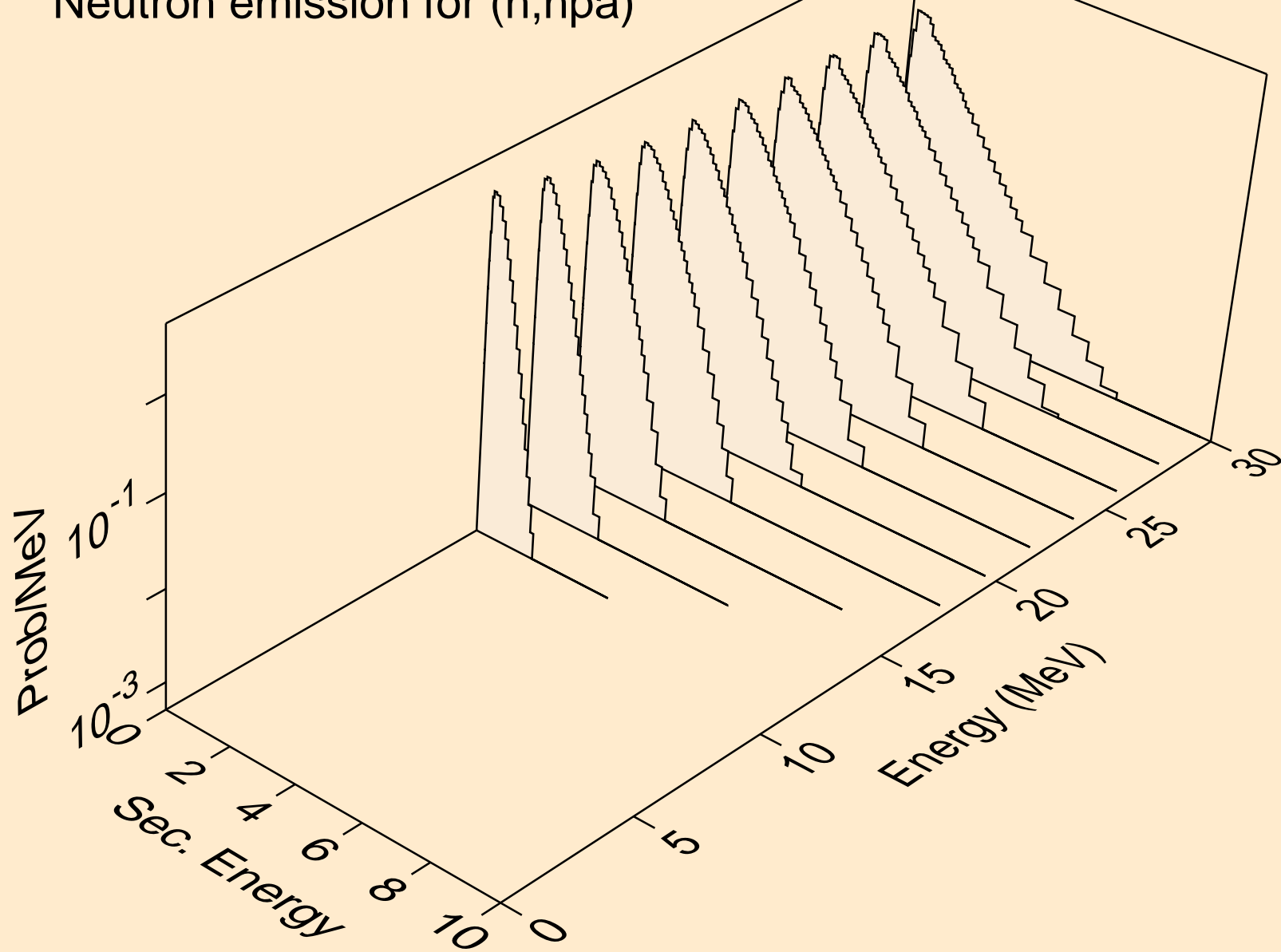
HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3np)



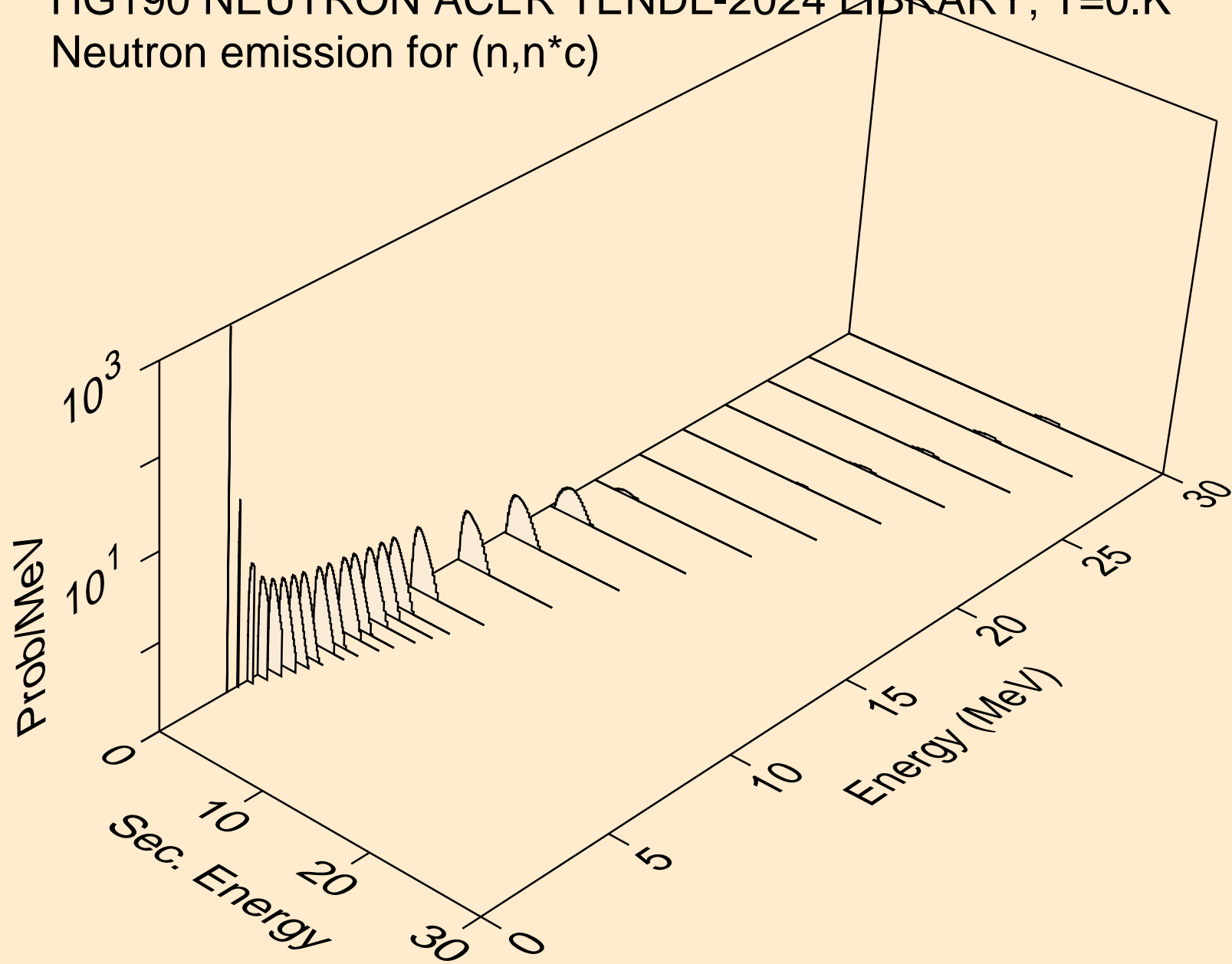
HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n2p)



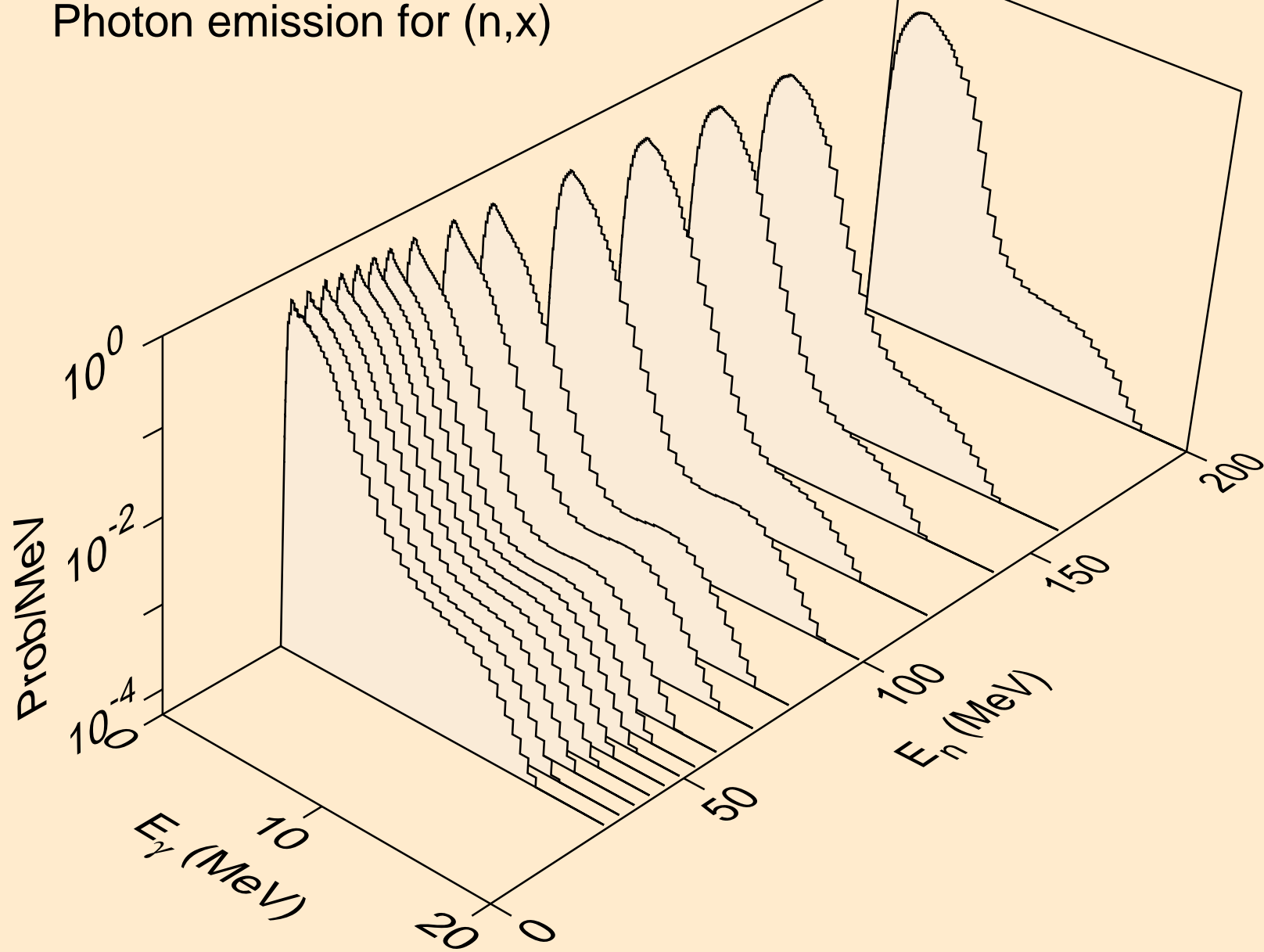
HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,npa)



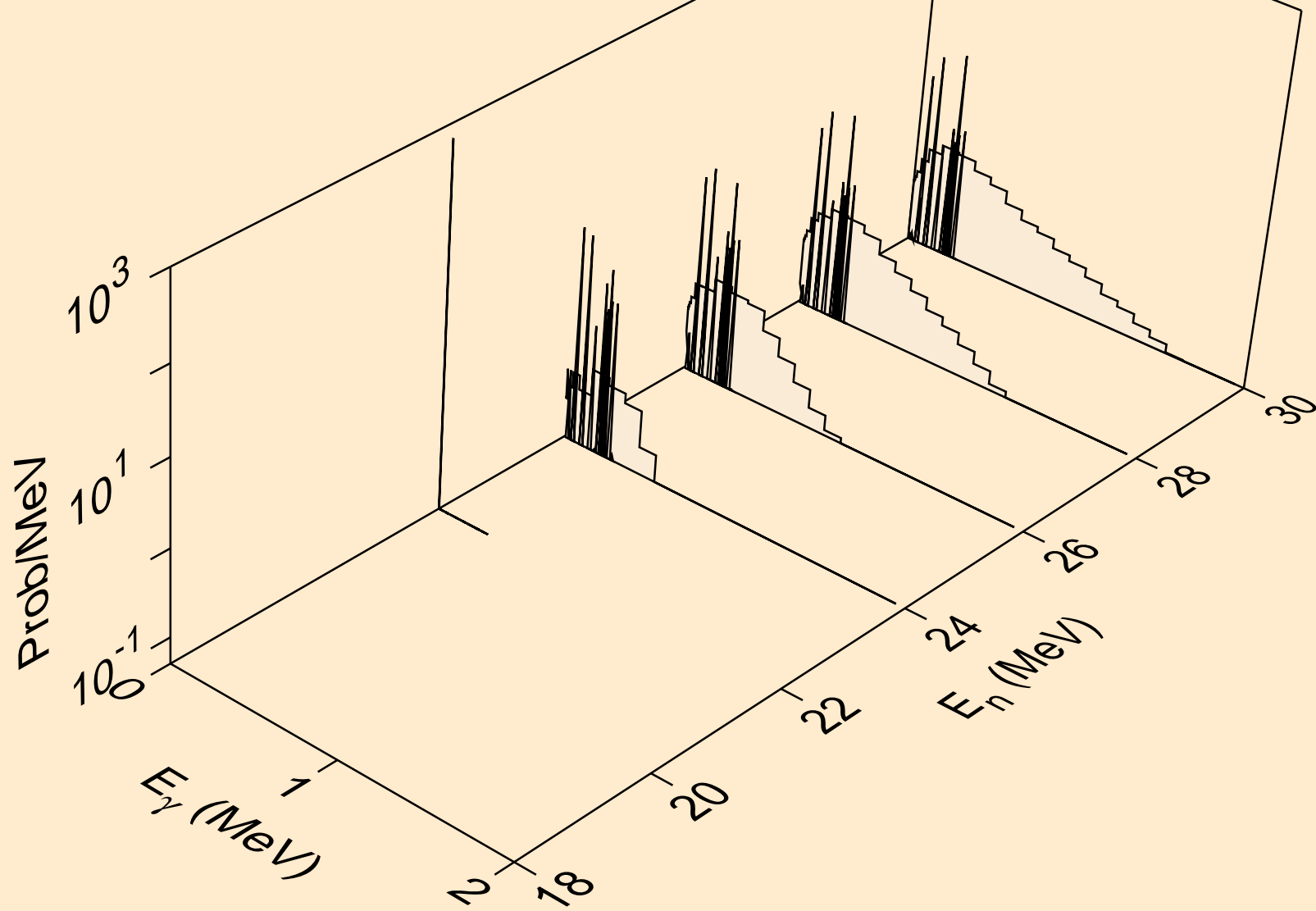
HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)



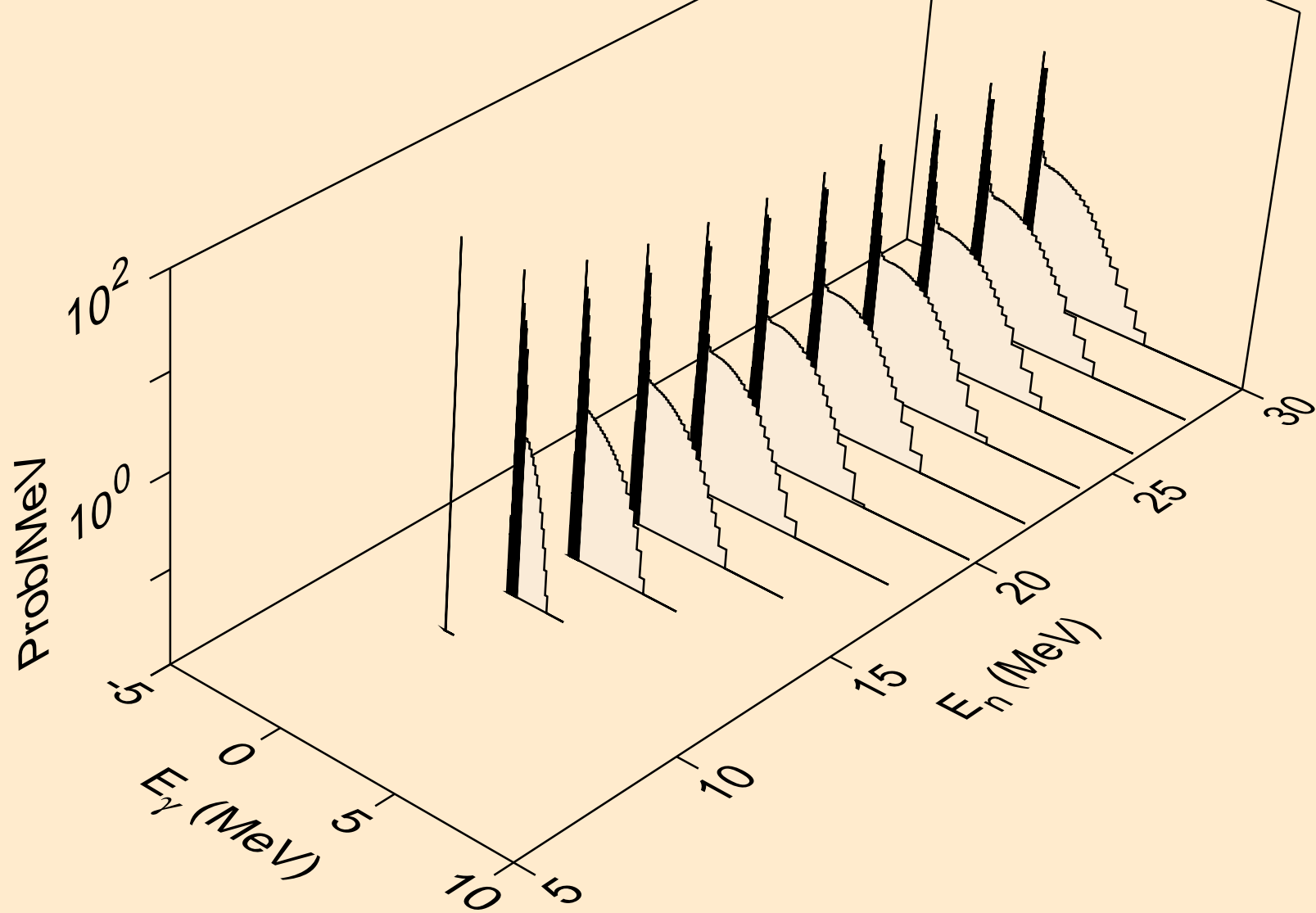
HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,x)



HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2nd)

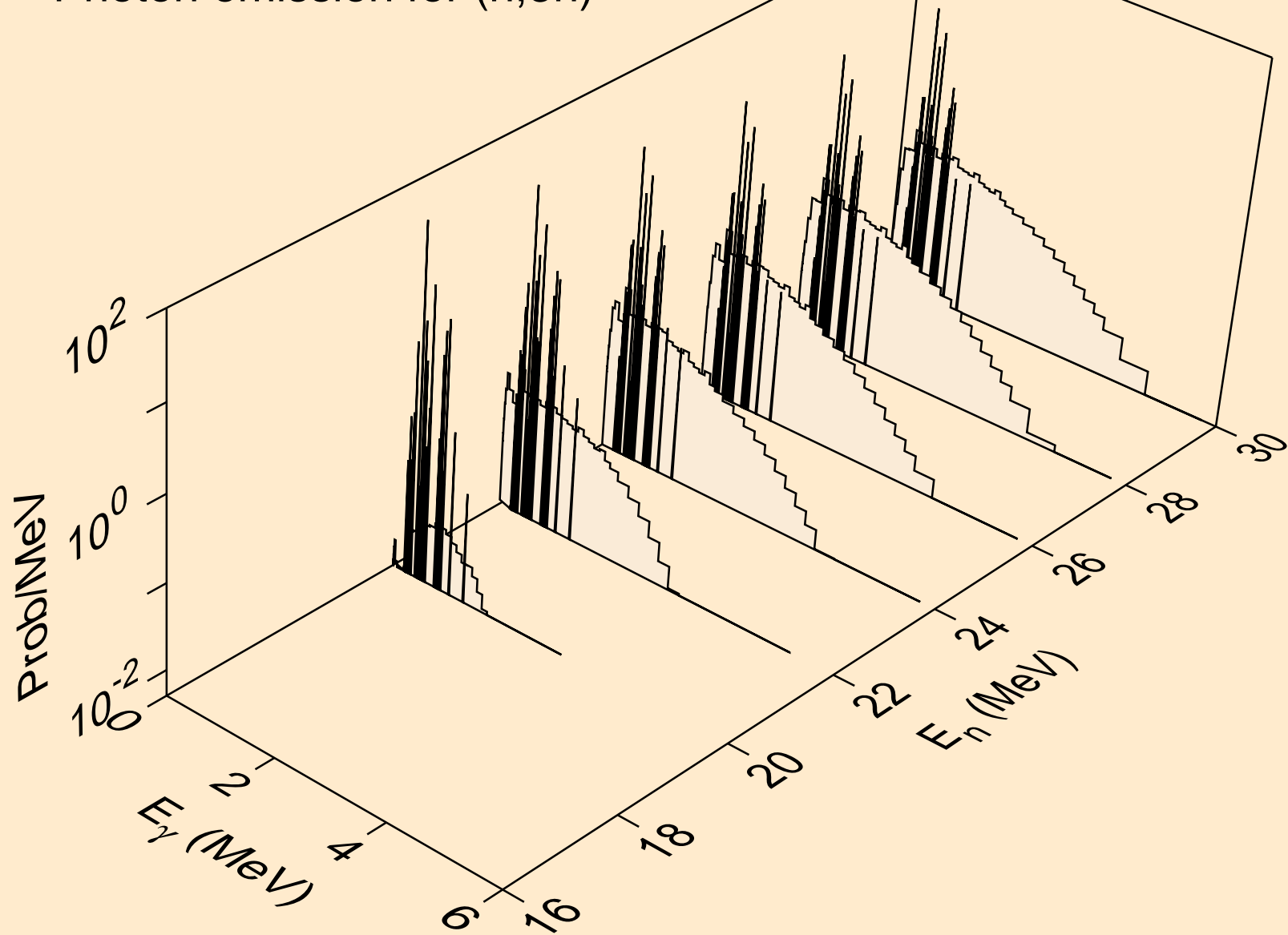


HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)

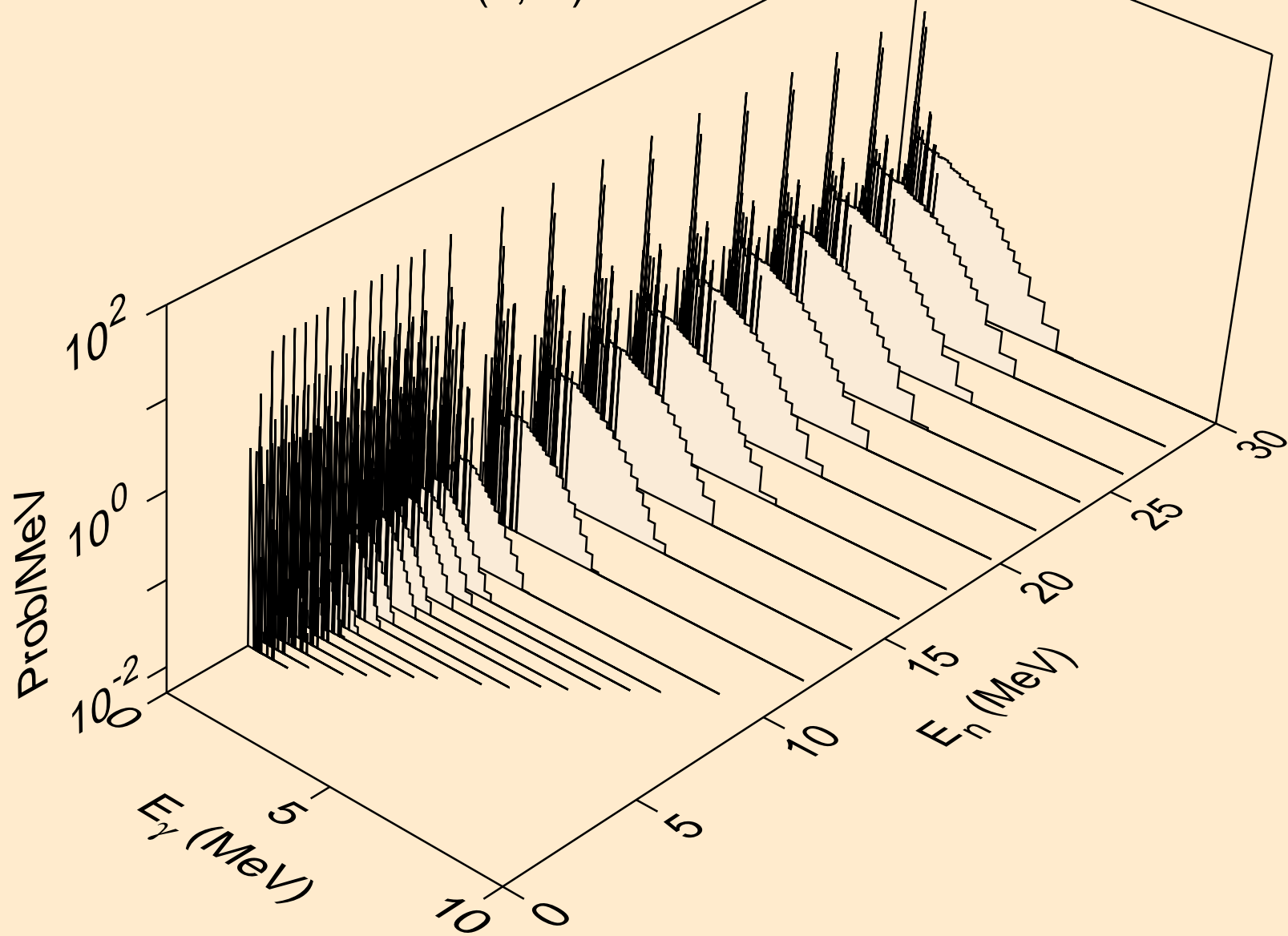




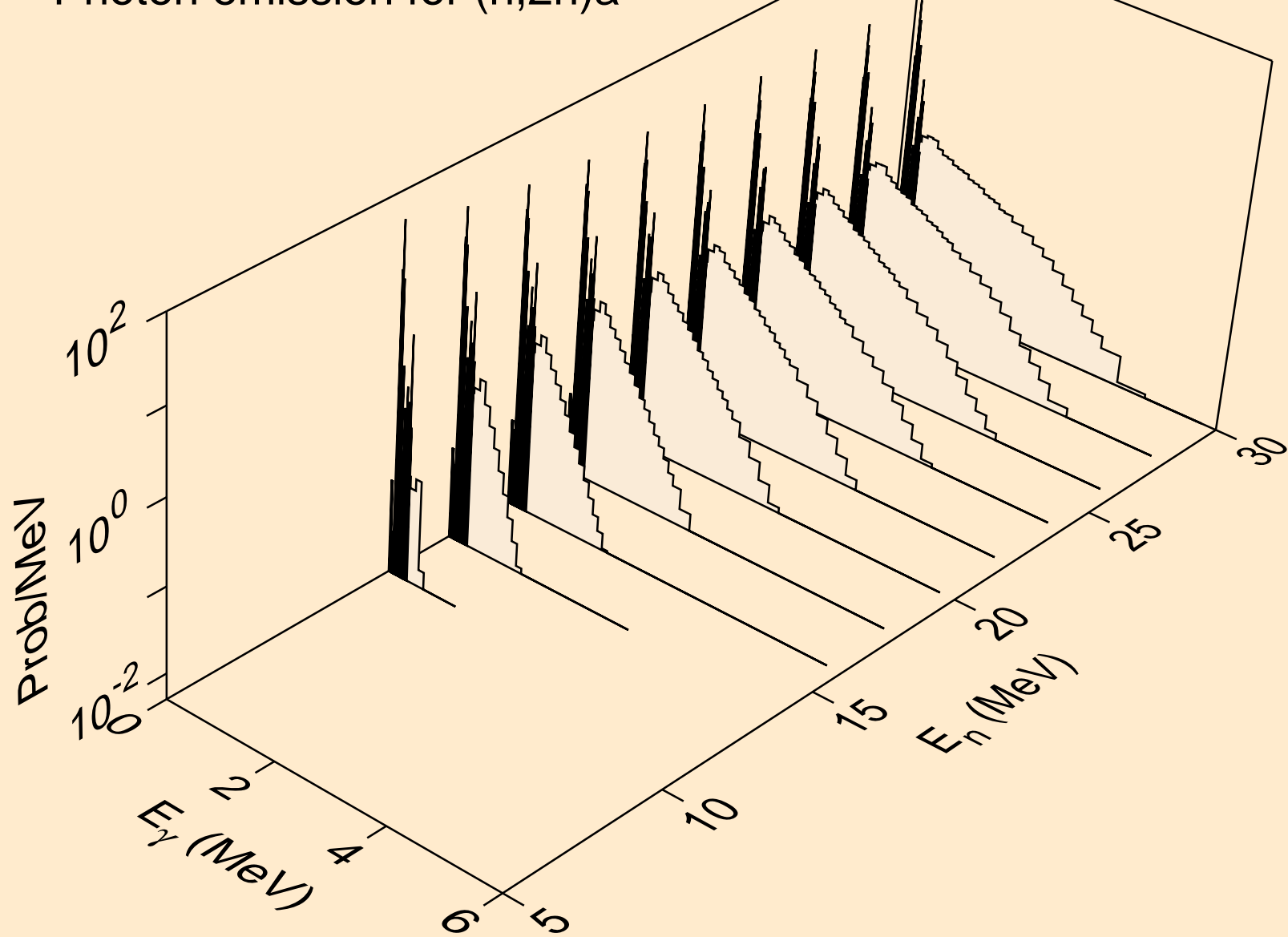
HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)



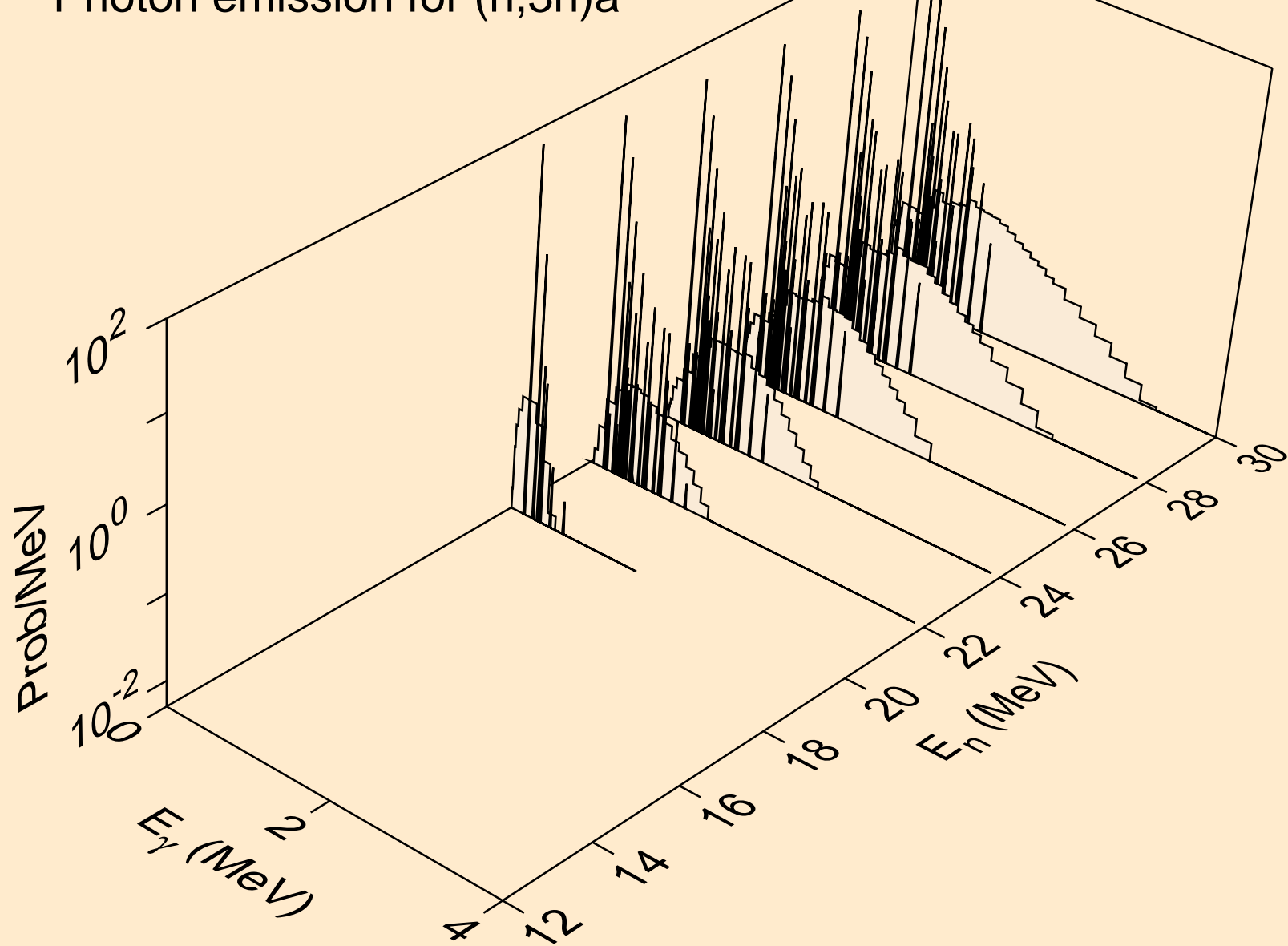
HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



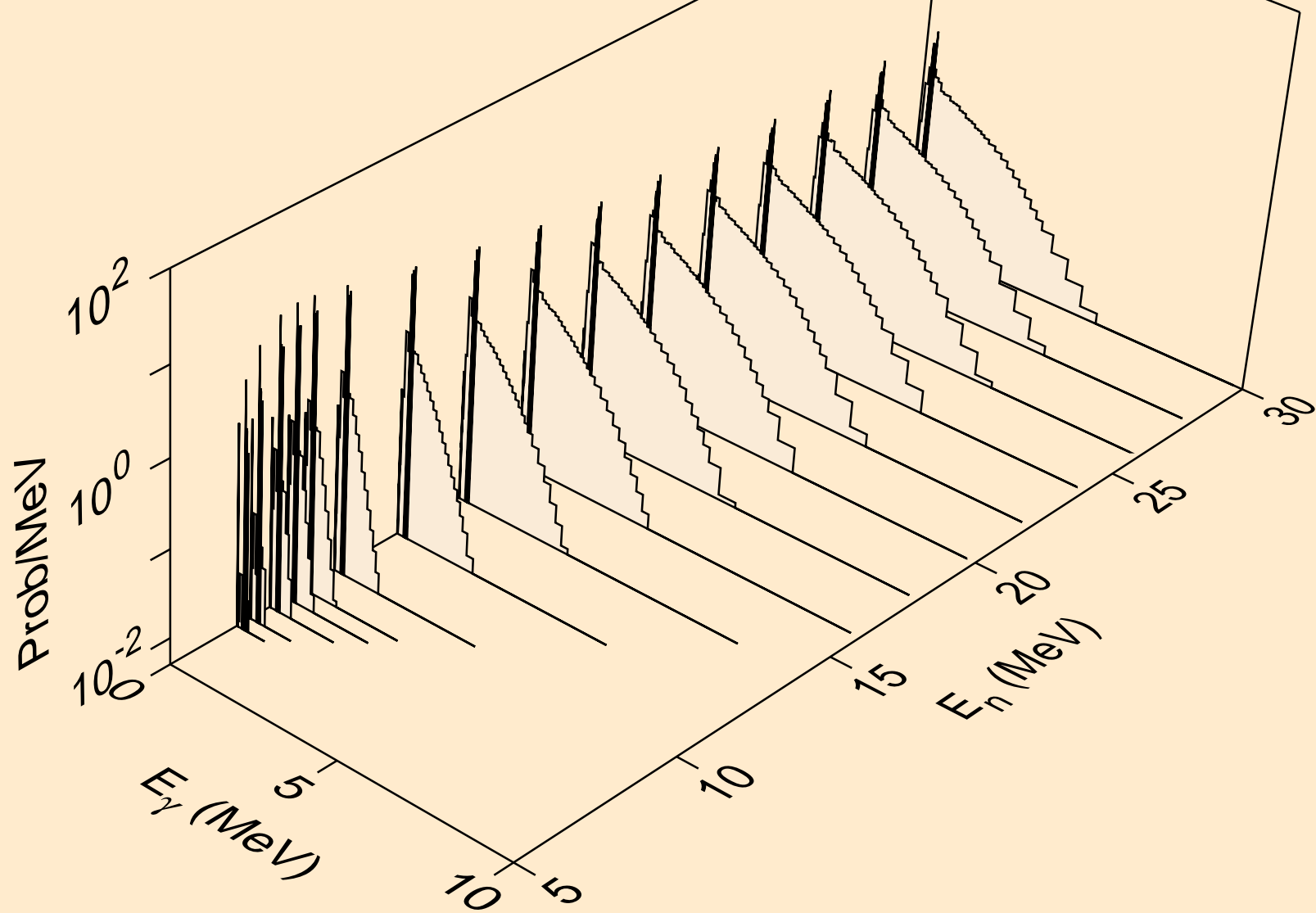
HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)a



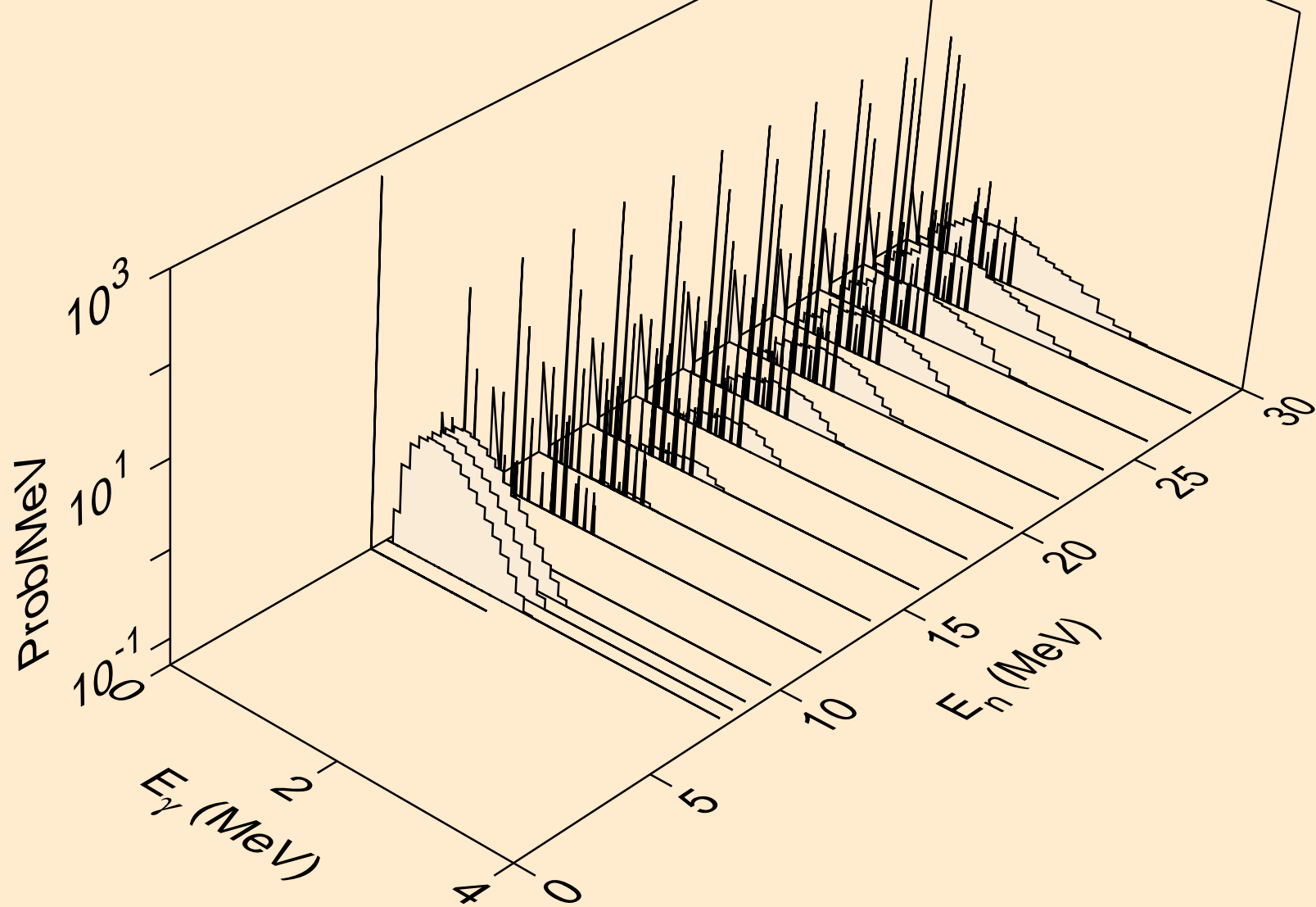
HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)a



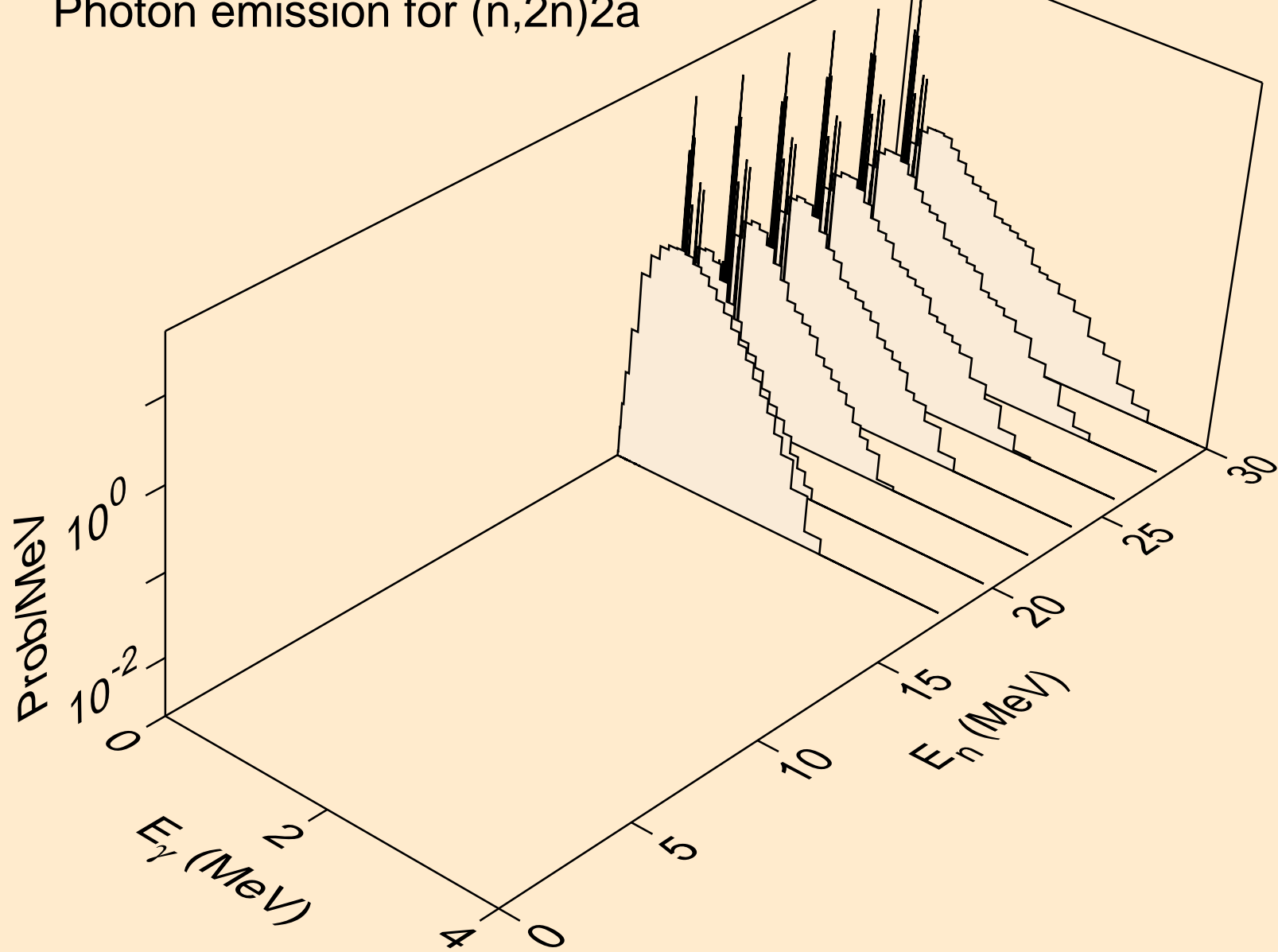
HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



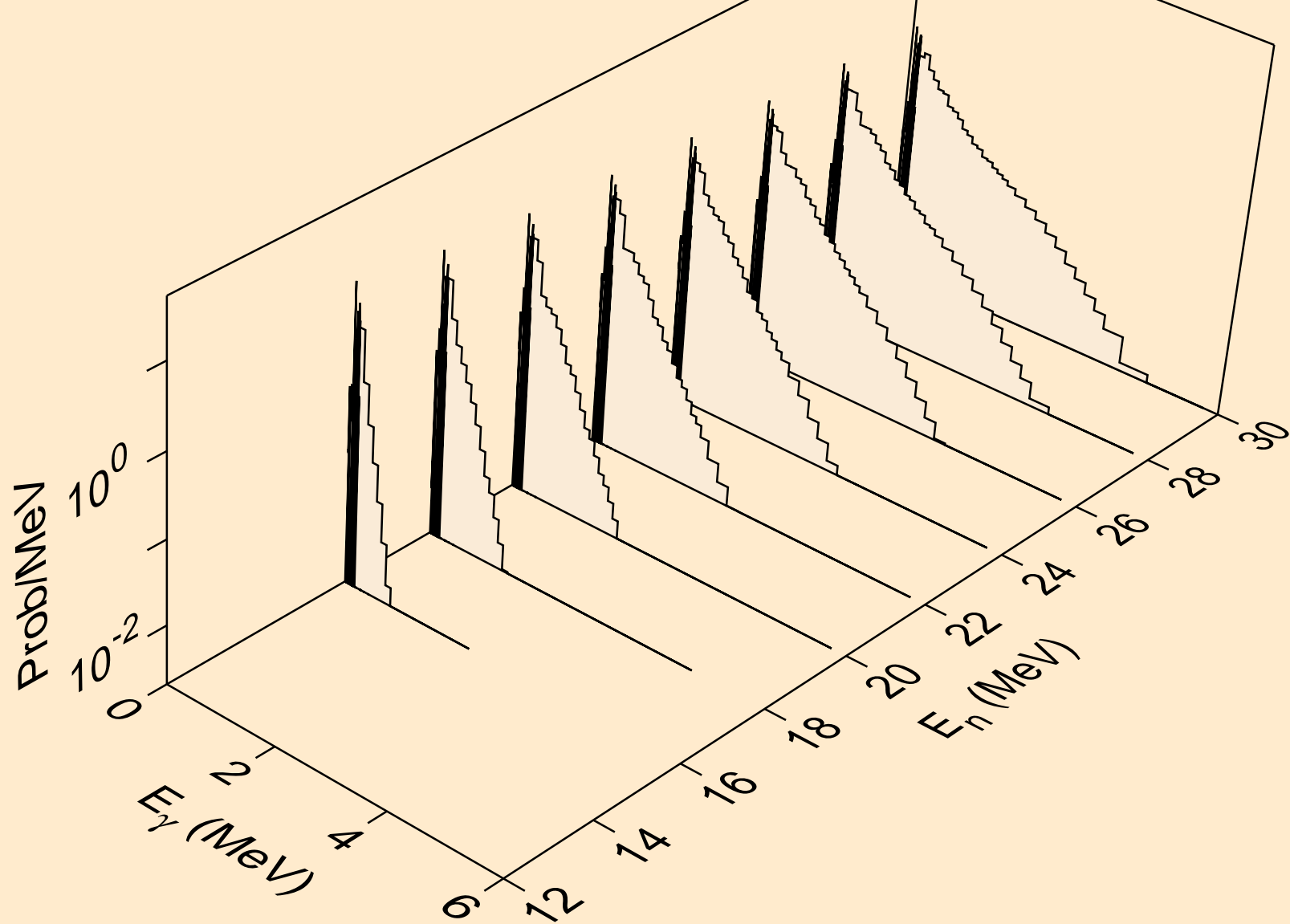
HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)2a

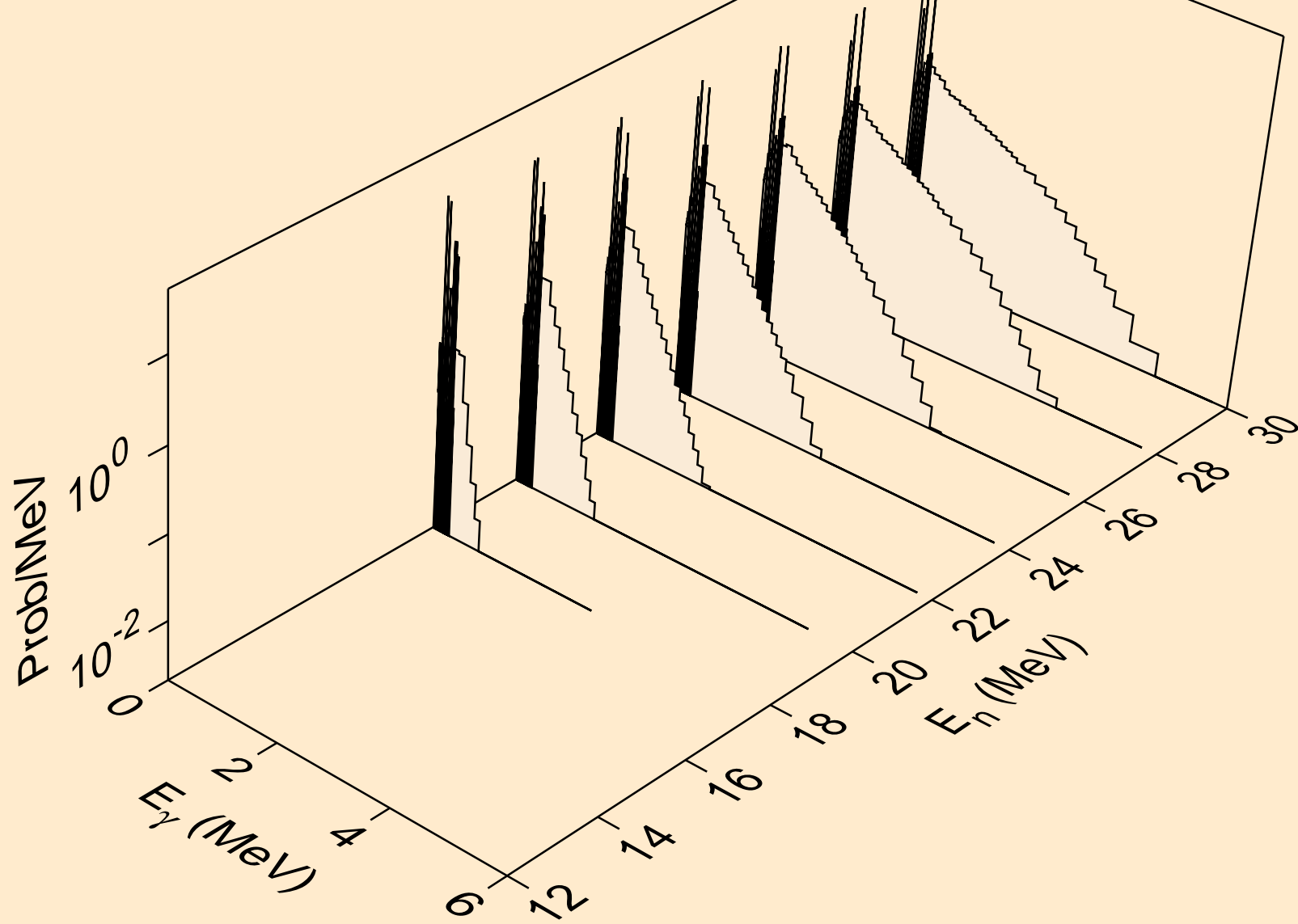


HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)d

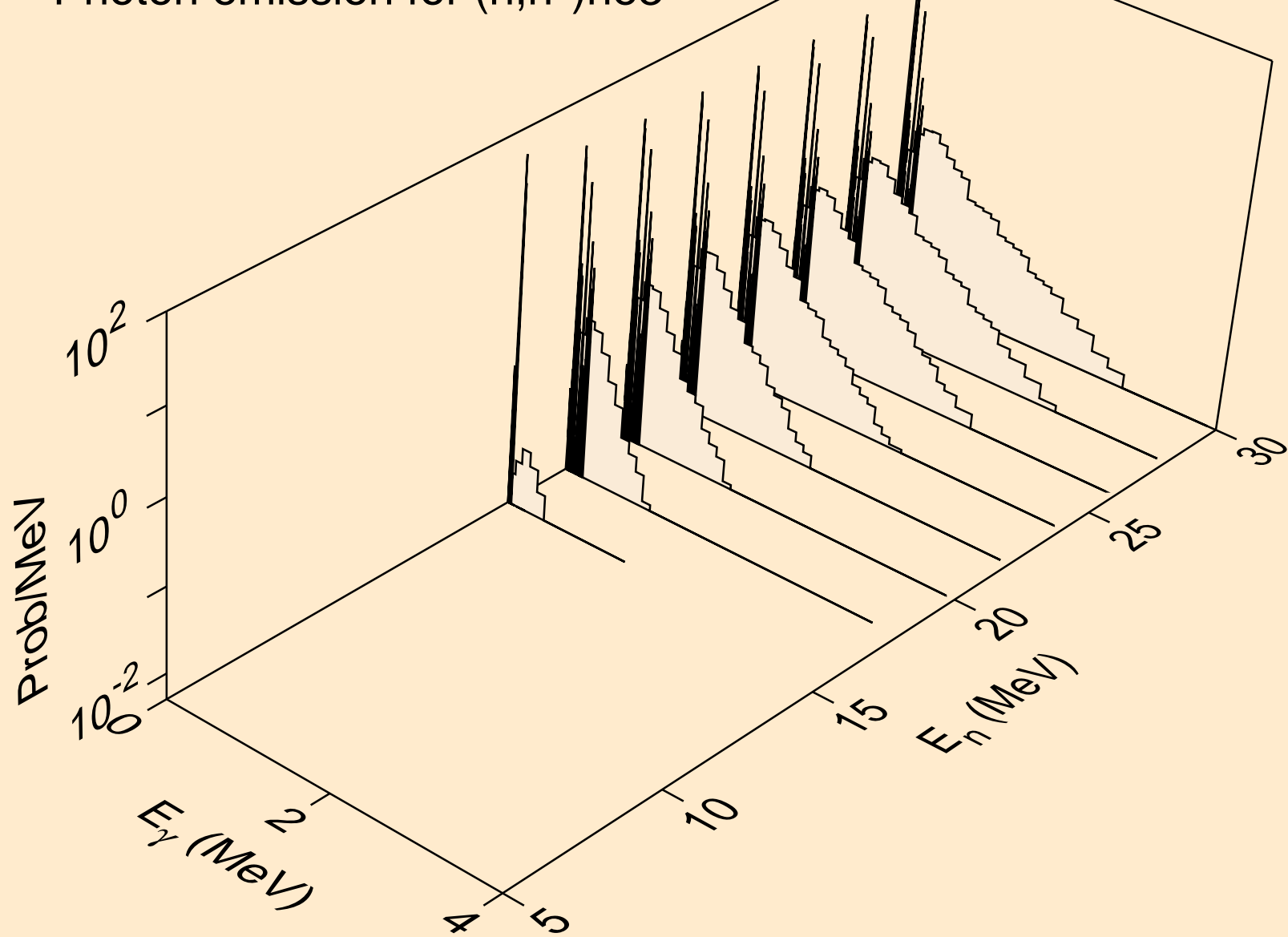




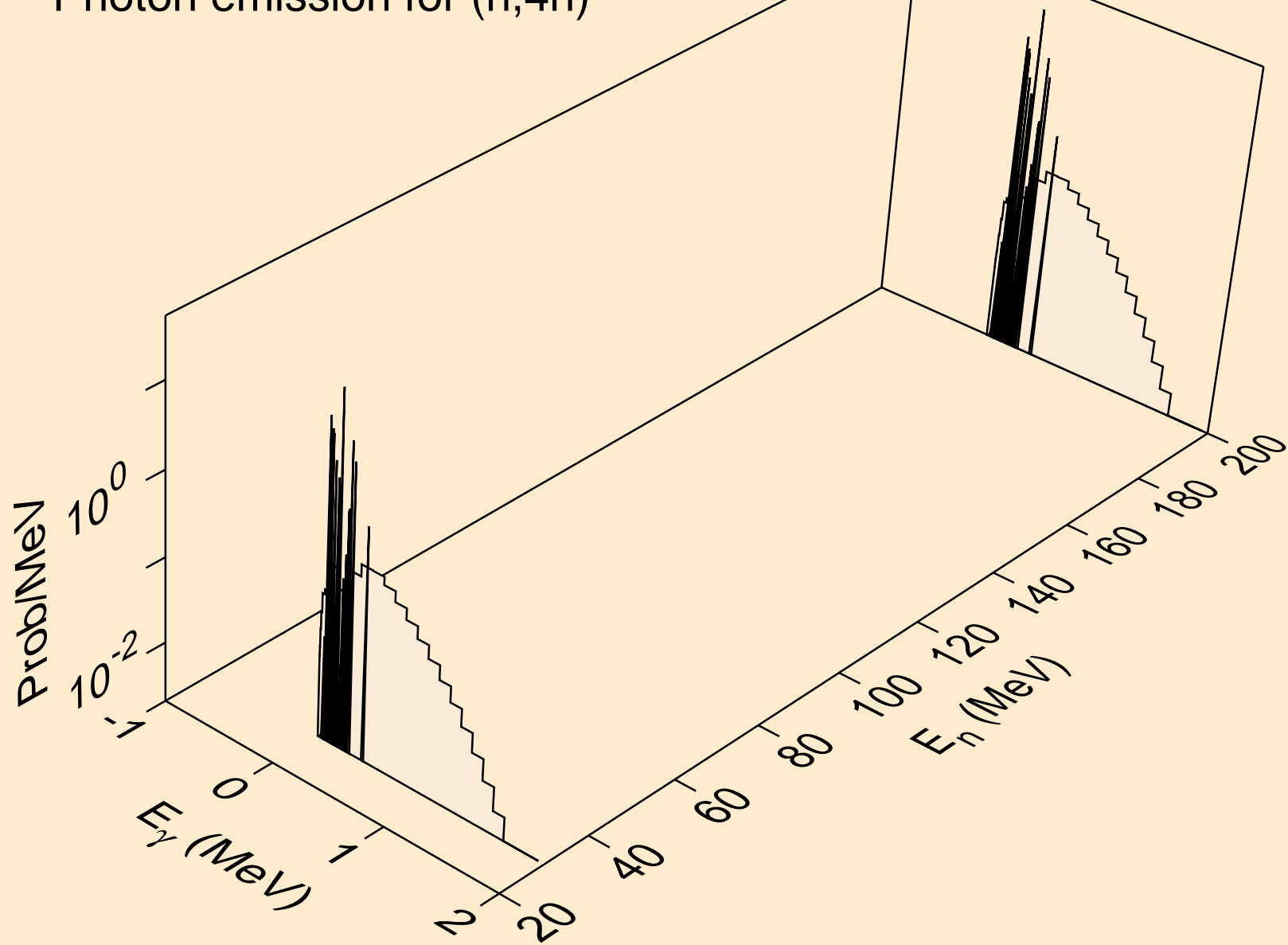
HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



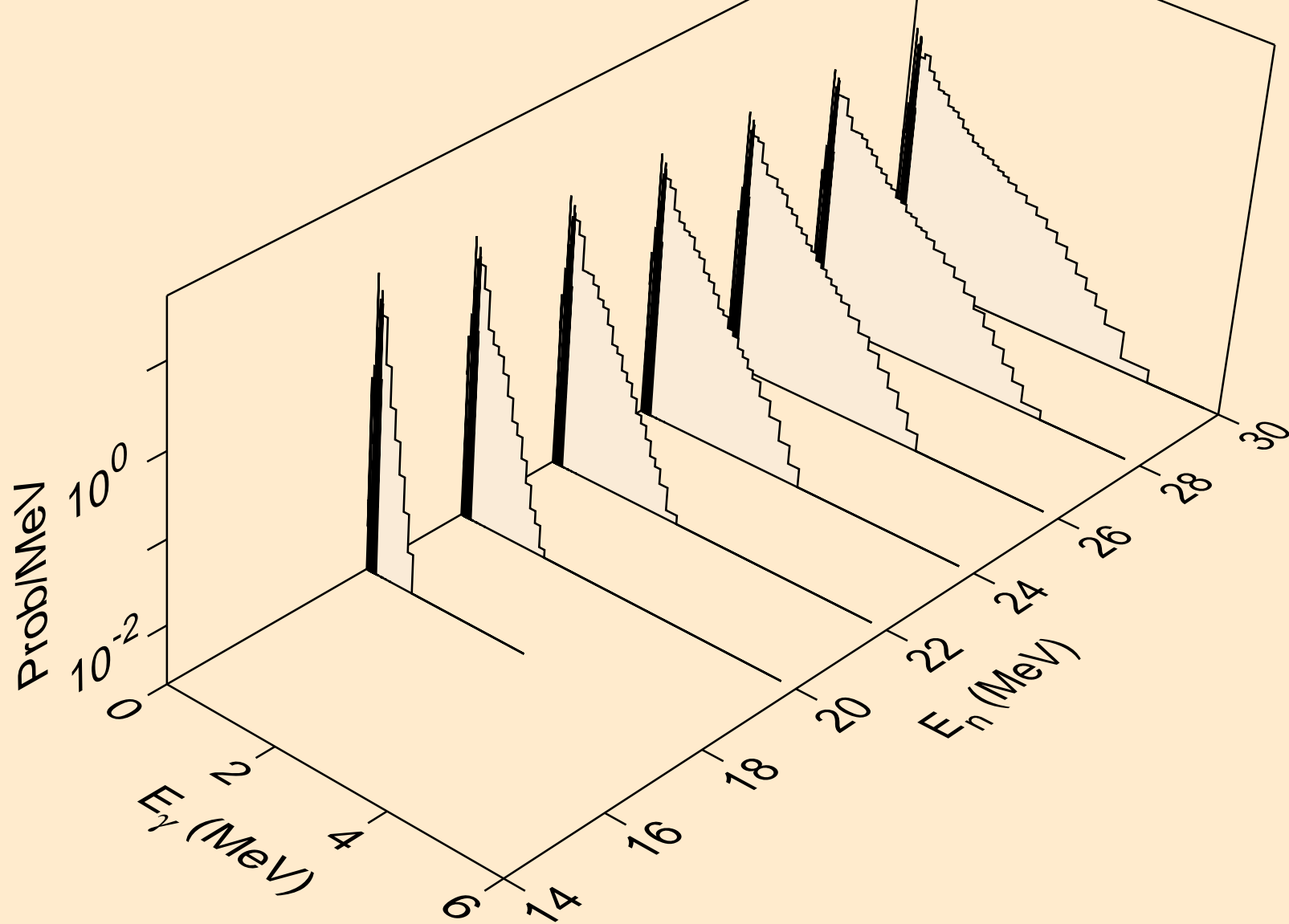
HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



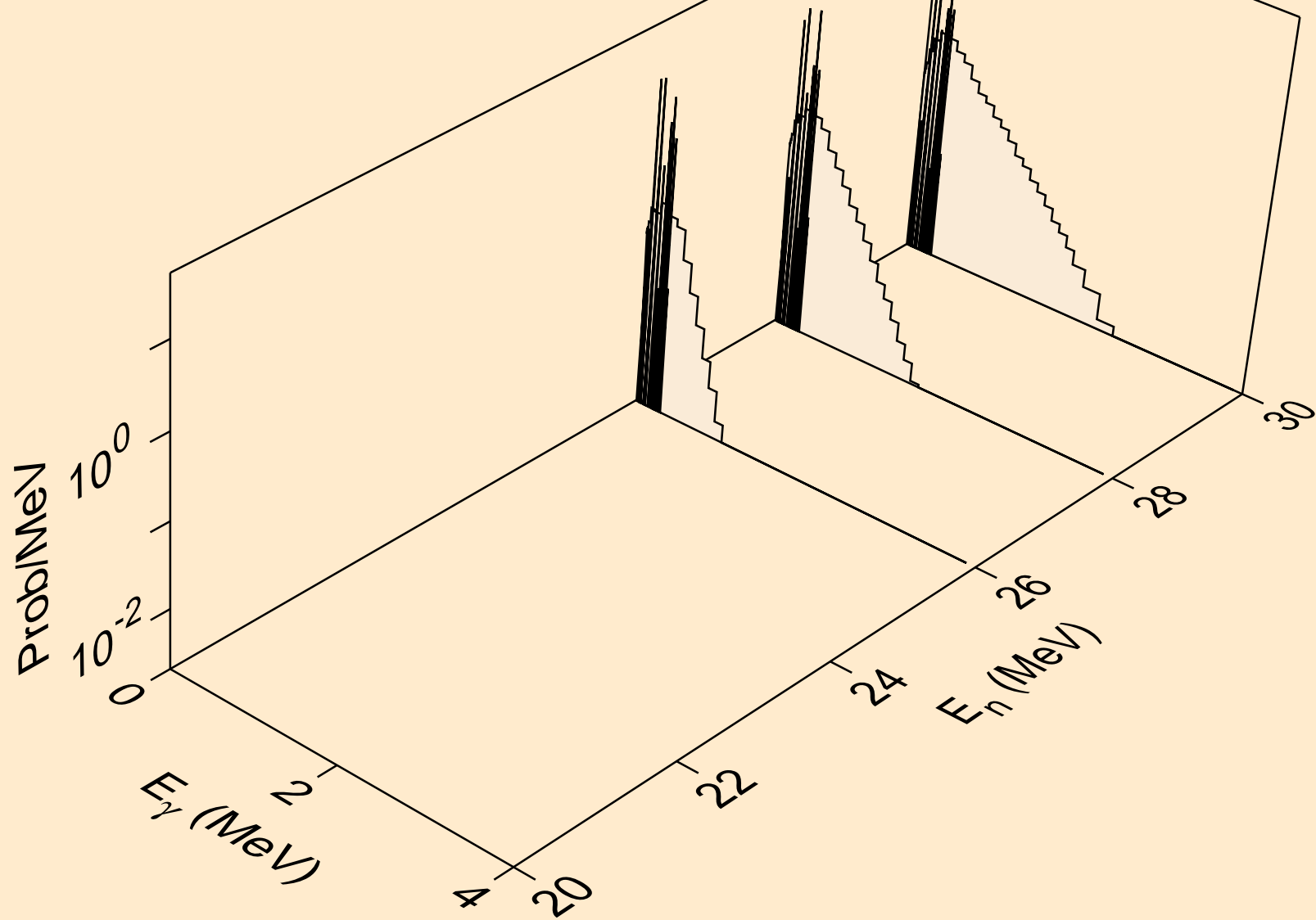
HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,4n)



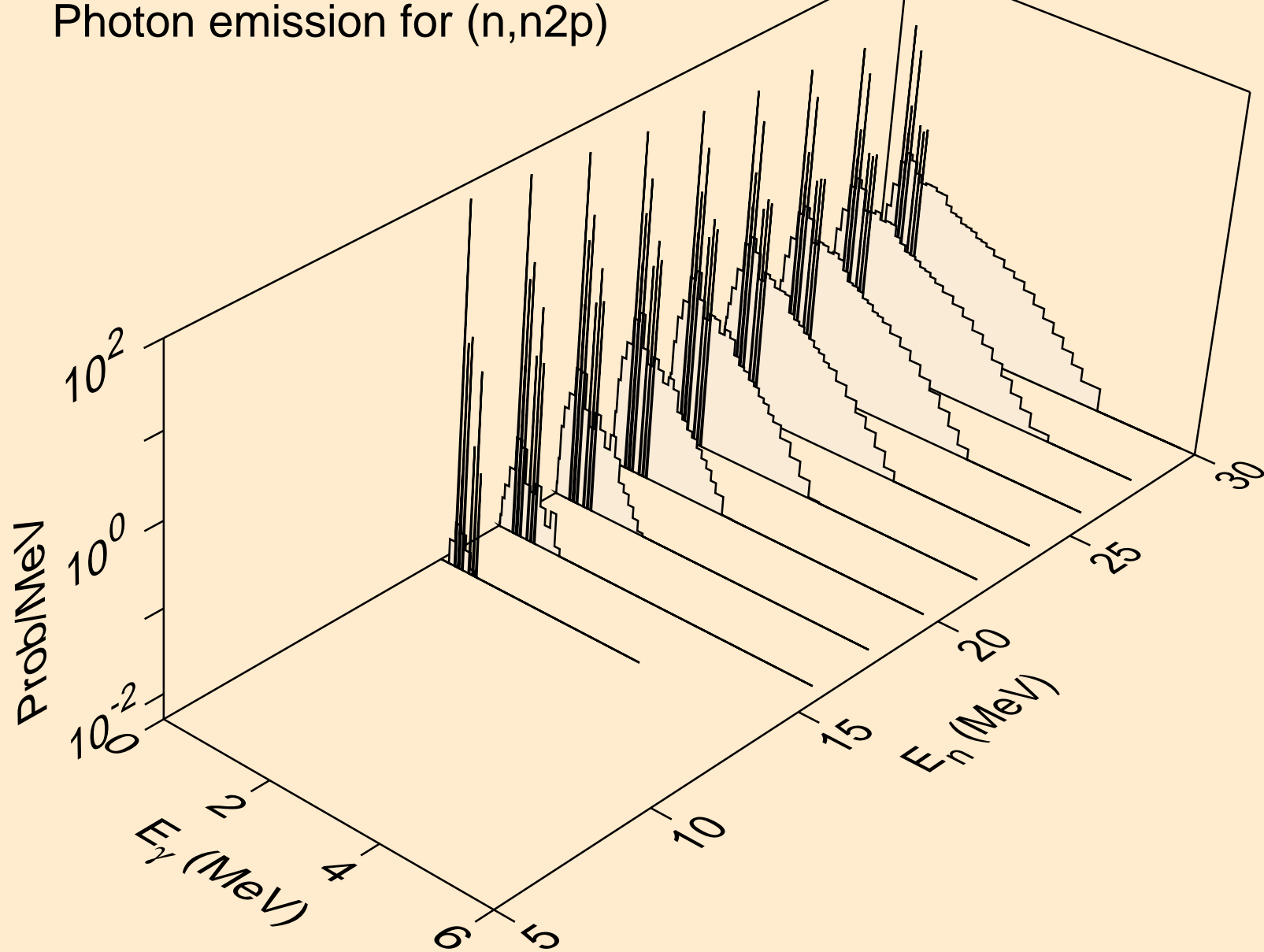
HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2np)



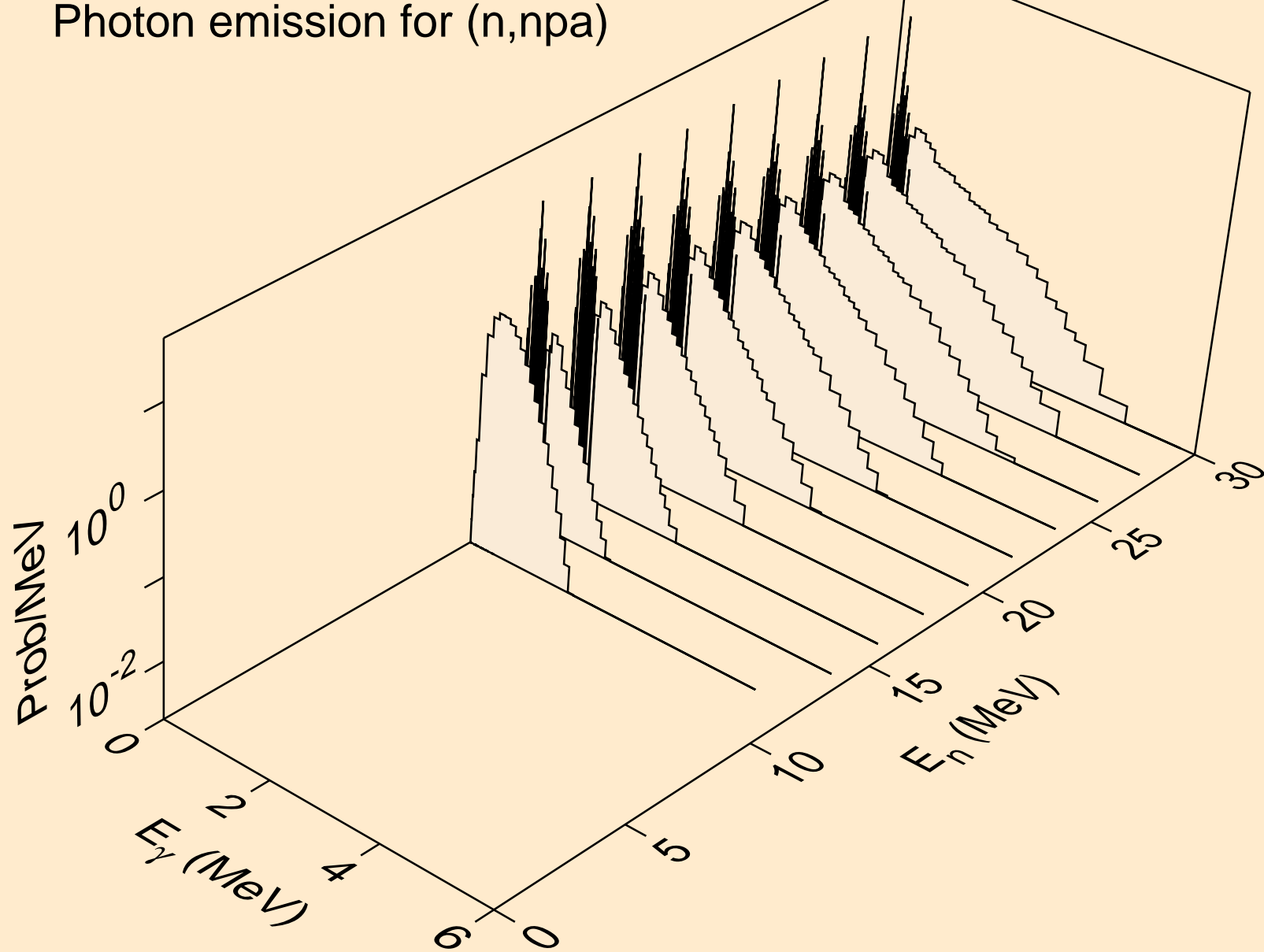
HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3np)



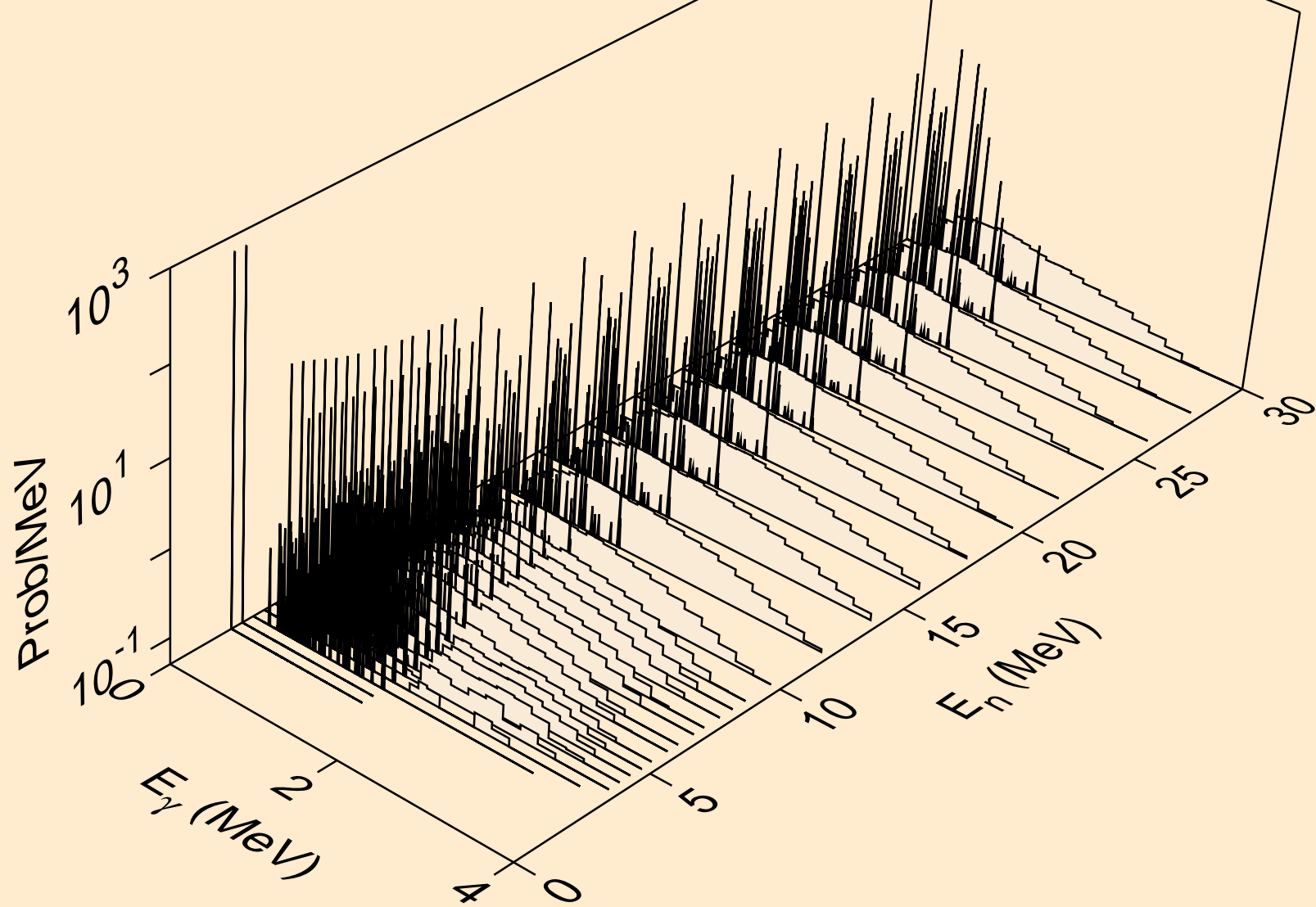
HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n2p)



HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,npa)

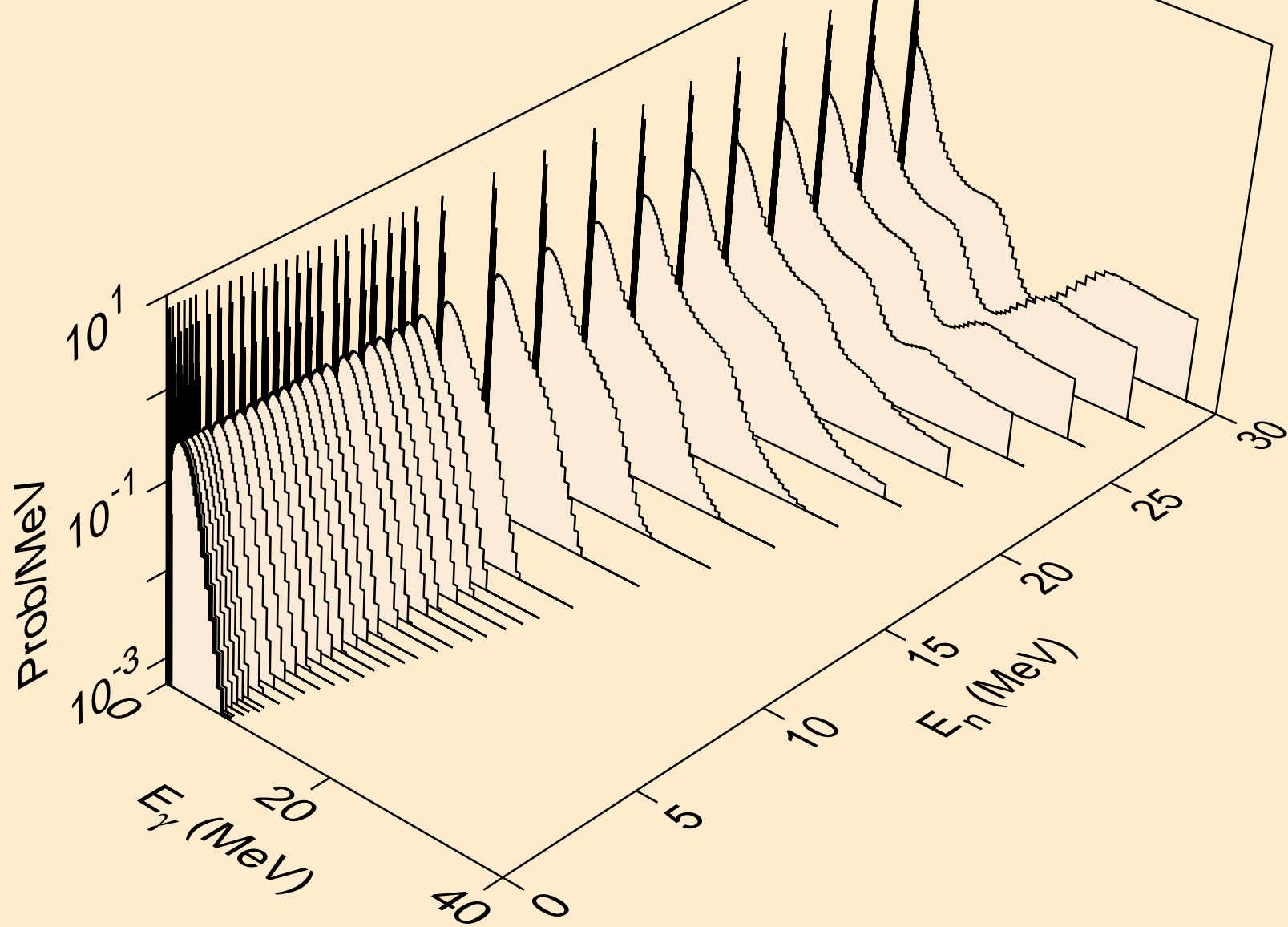


HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*c)

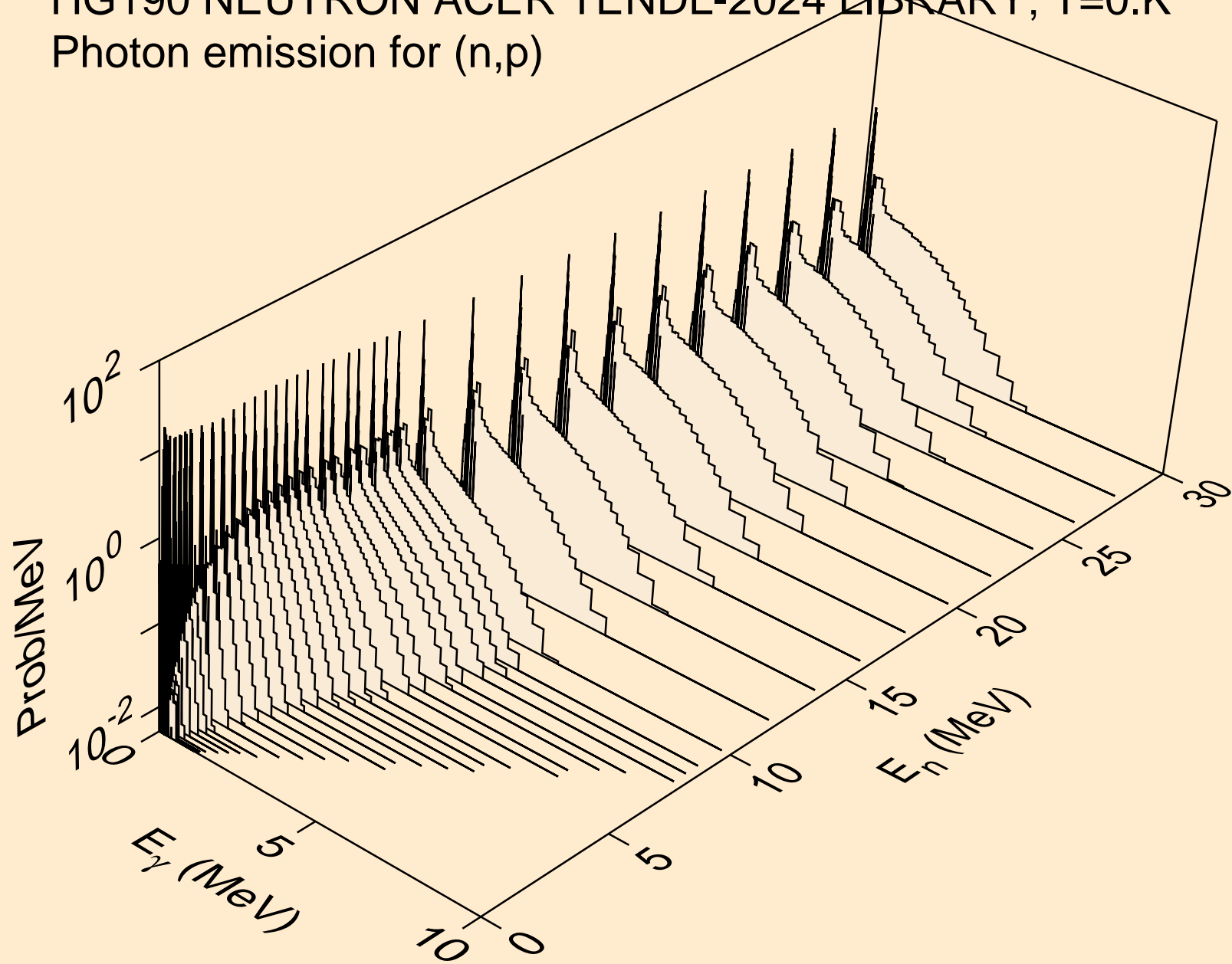




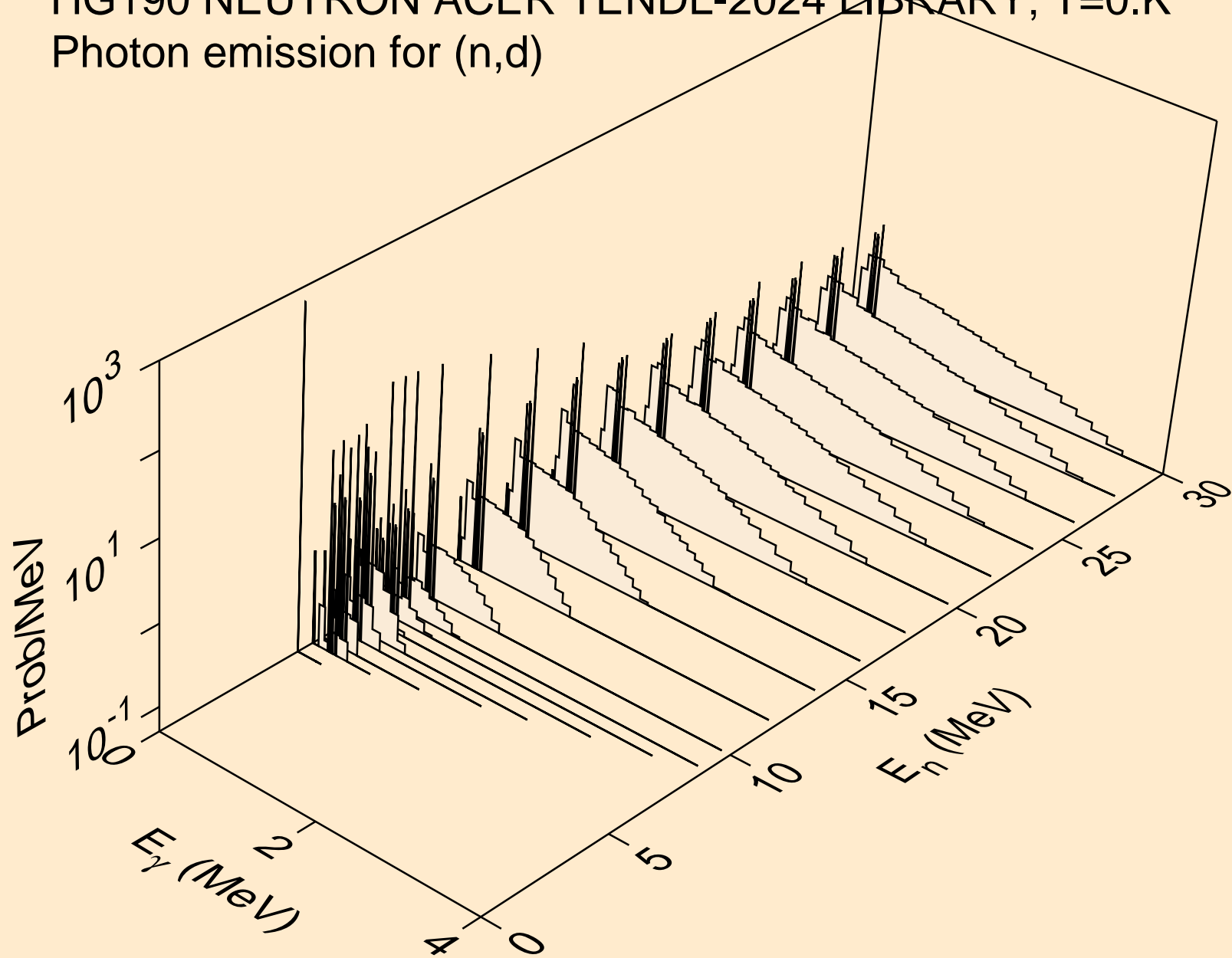
HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,gma)



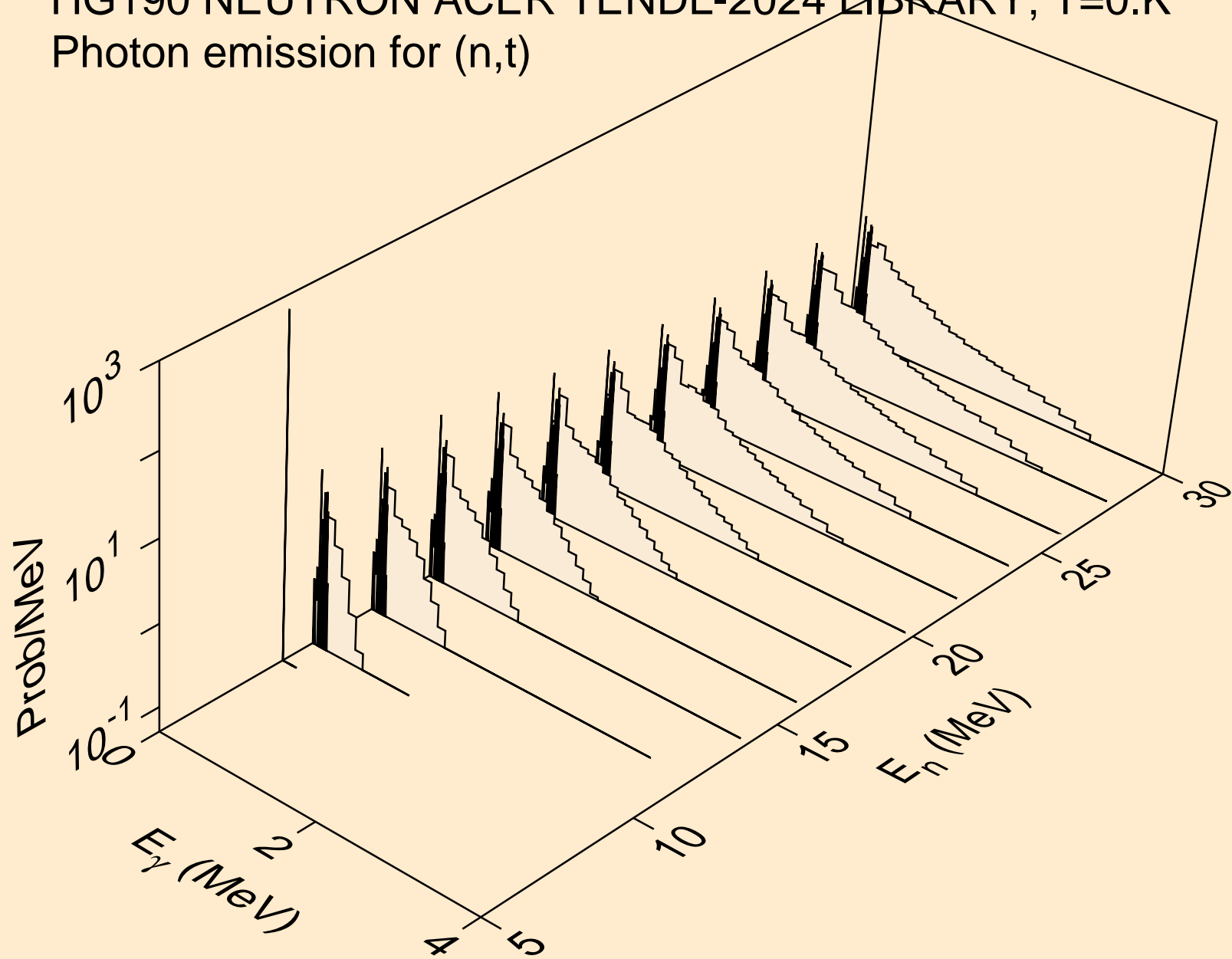
HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p)



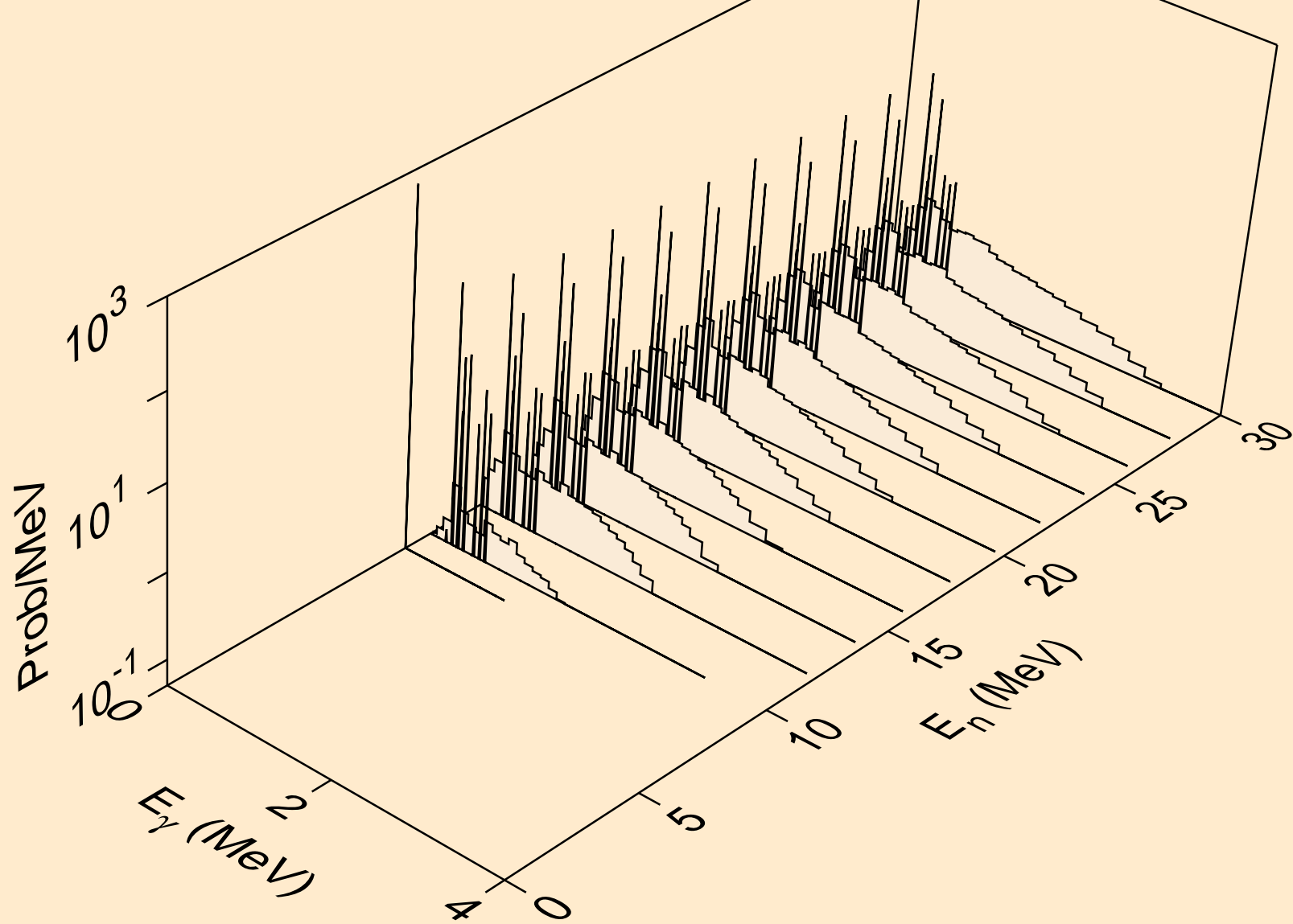
HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,d)



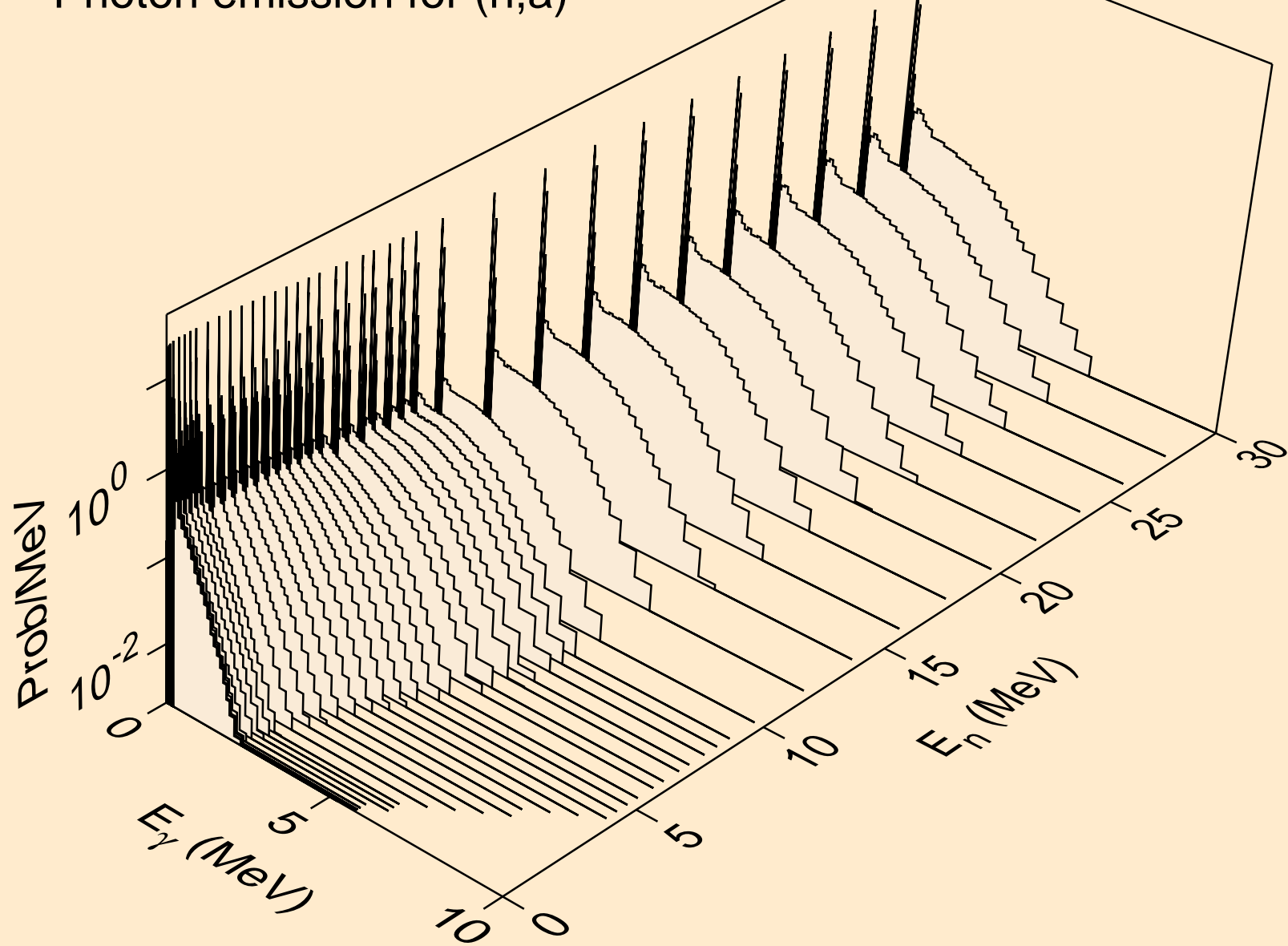
HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,t)



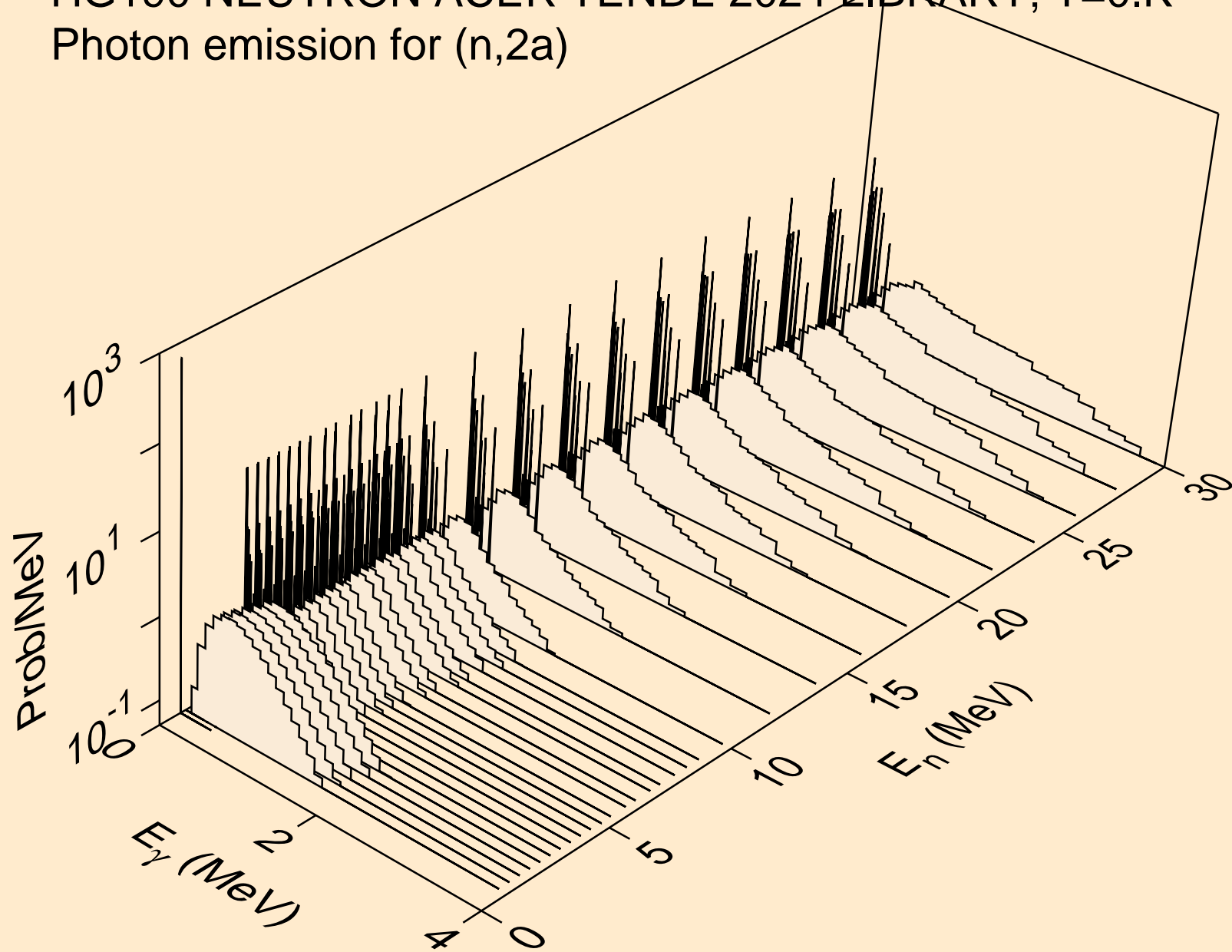
HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,he3)



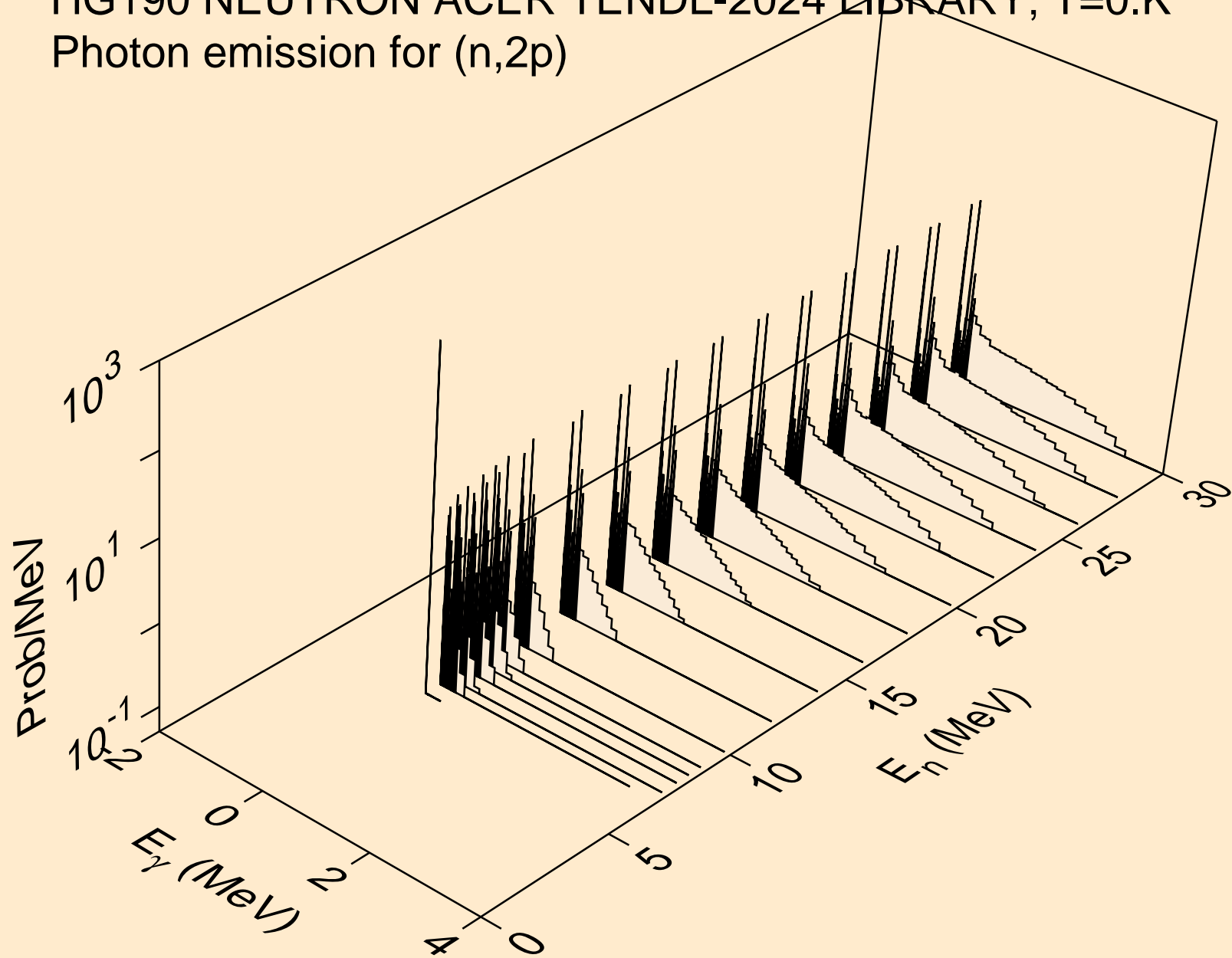
HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,a)



HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2a)

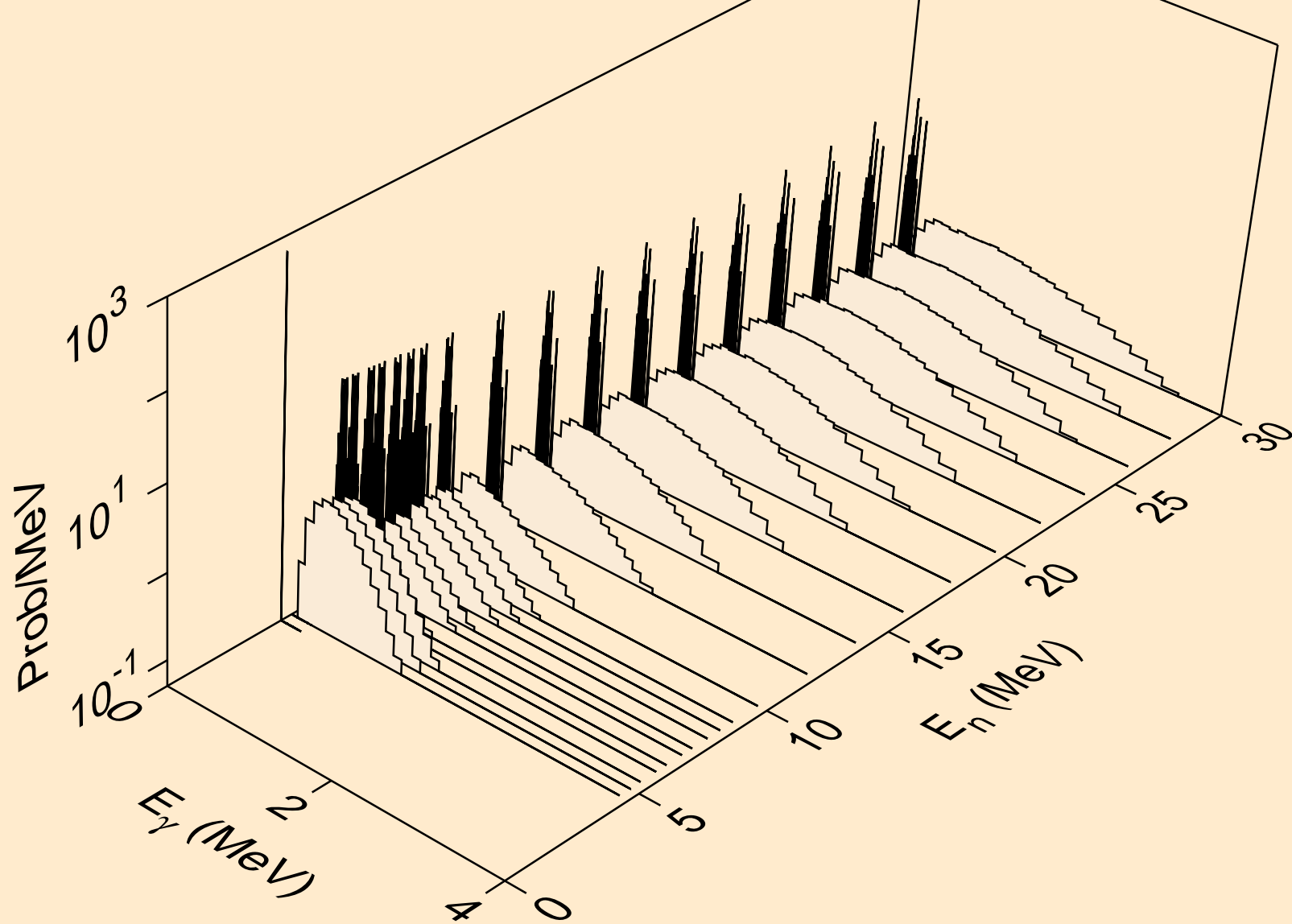


HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2p)

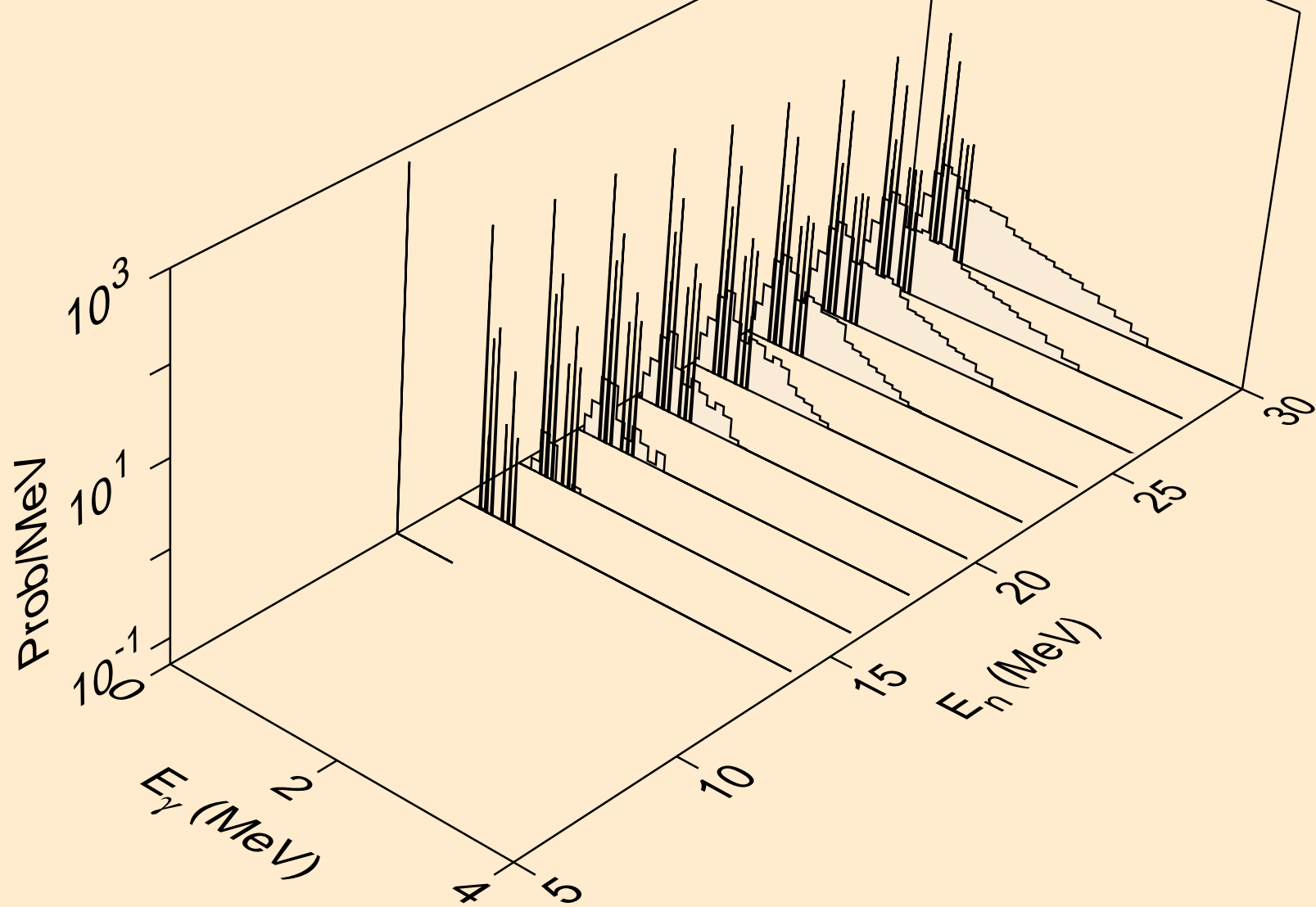




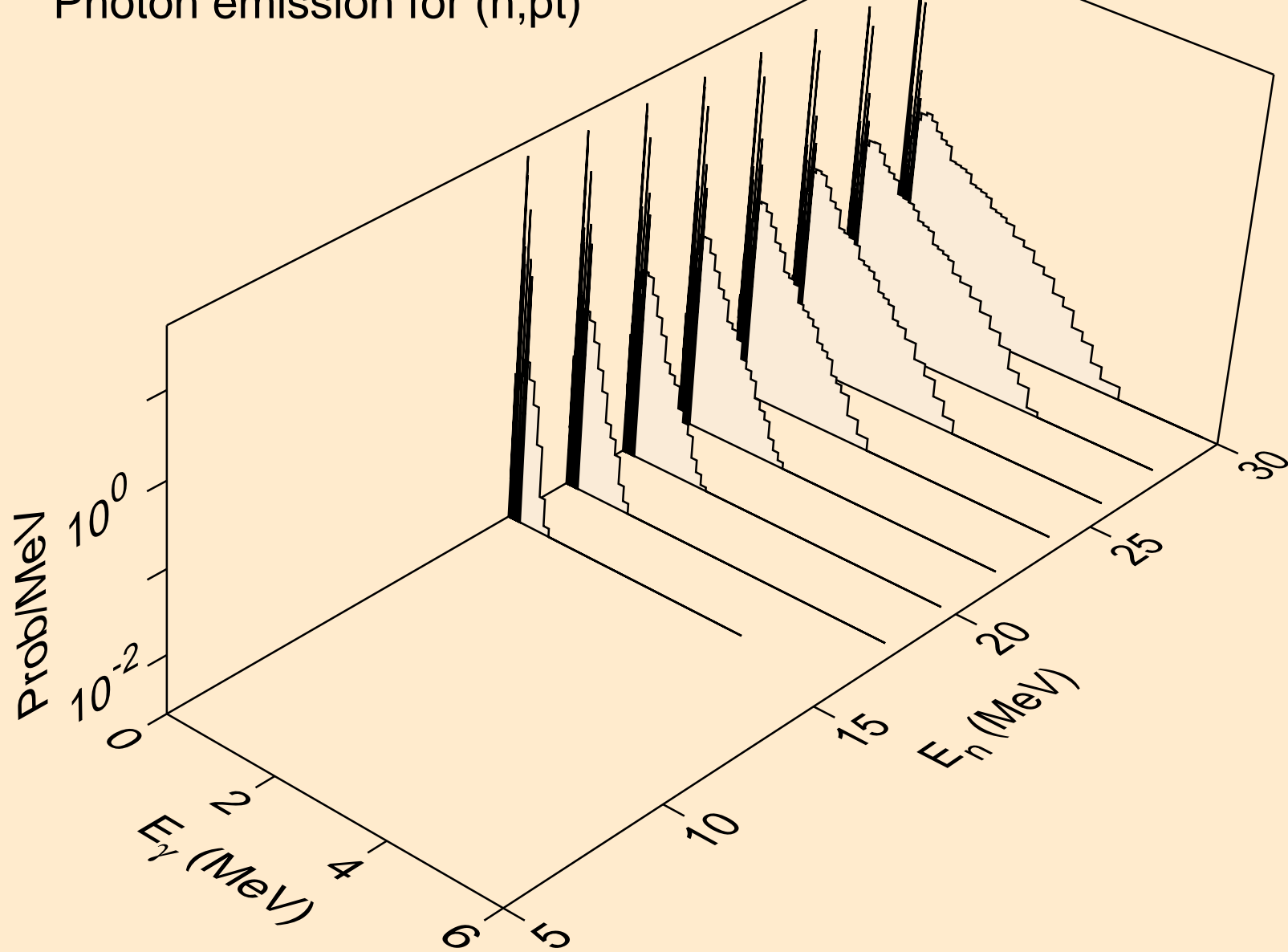
HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p $\alpha$ )



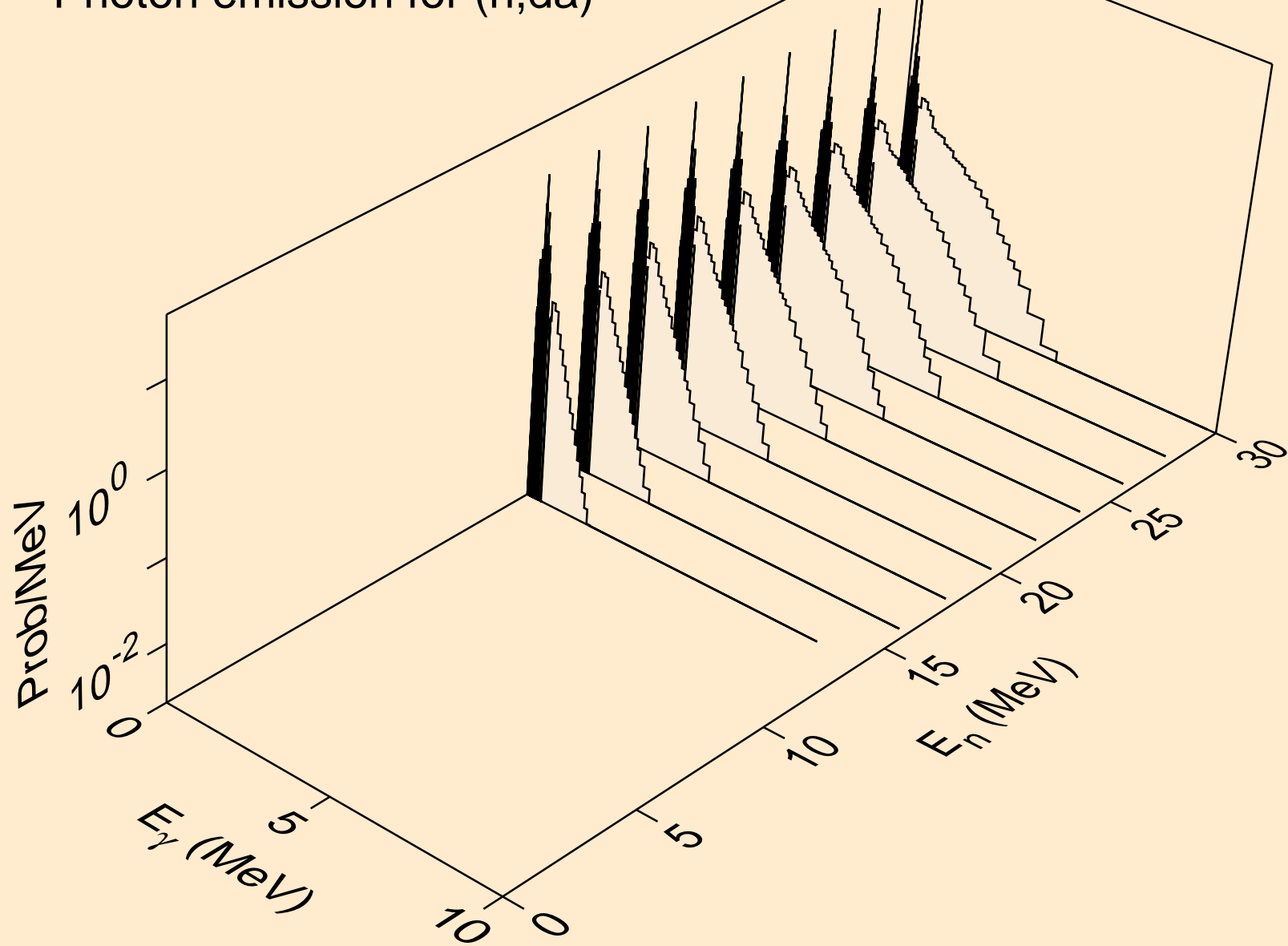
HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pd)



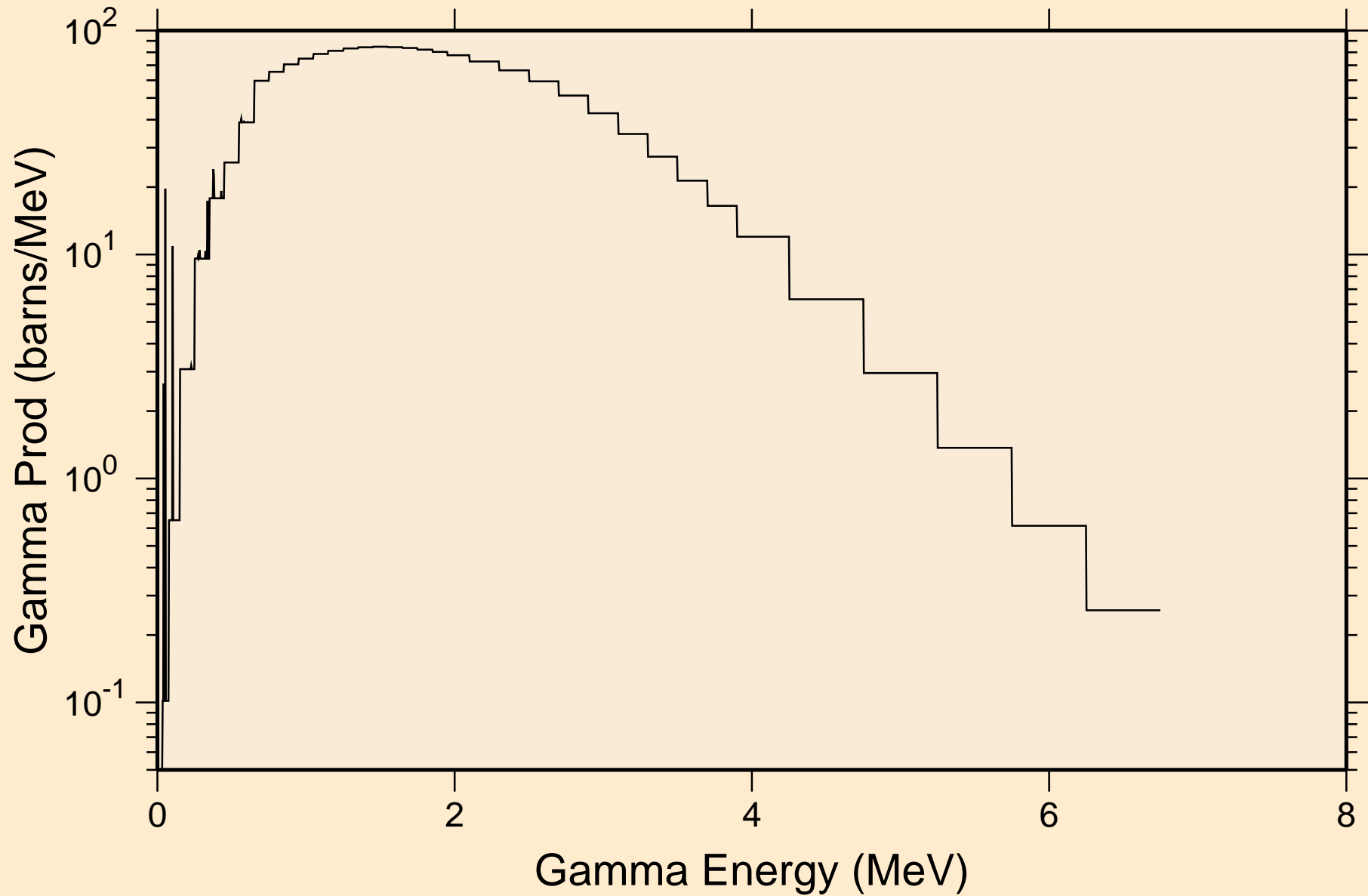
HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pt)



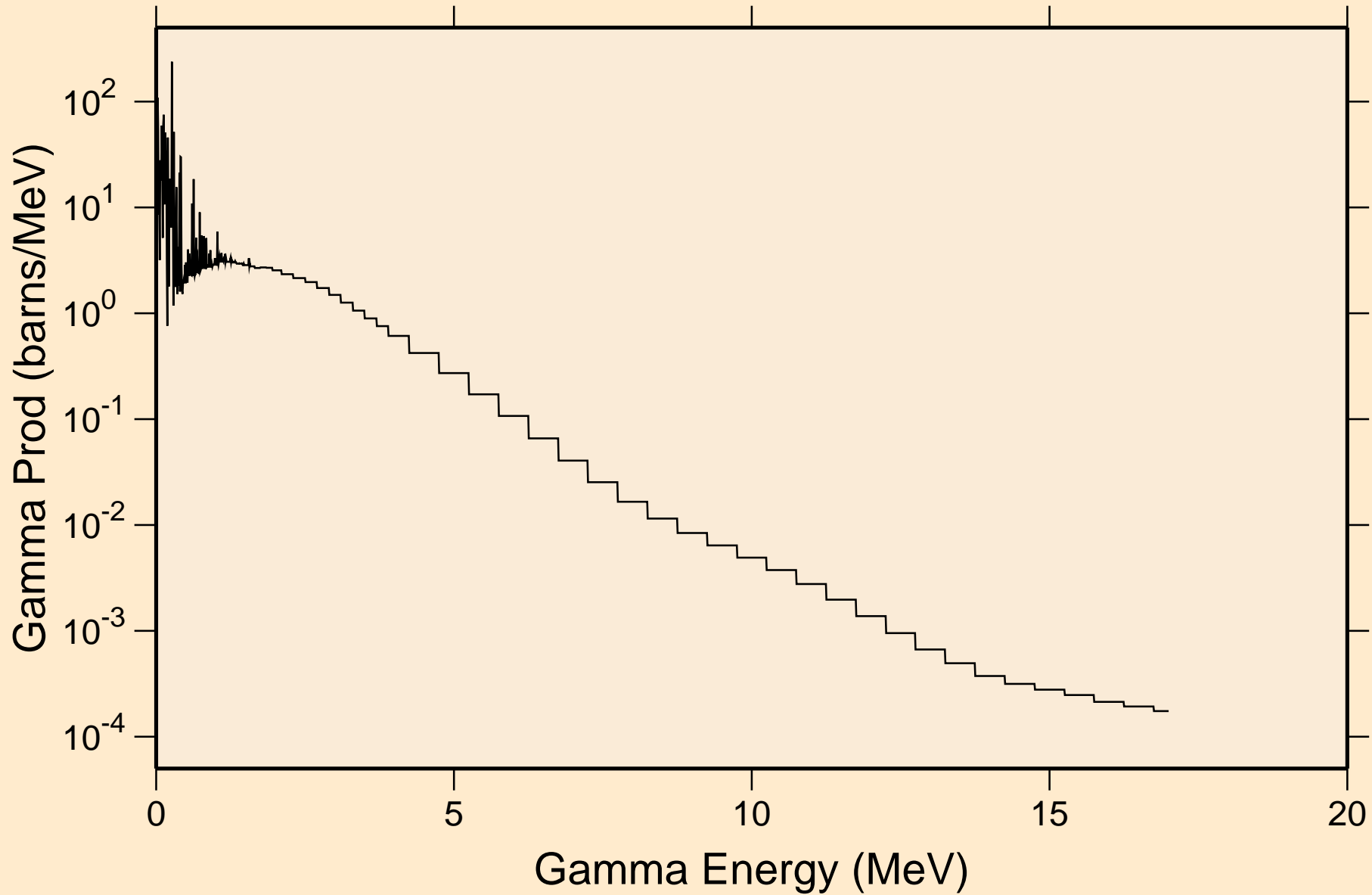
HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,da)



HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
thermal capture photon spectrum

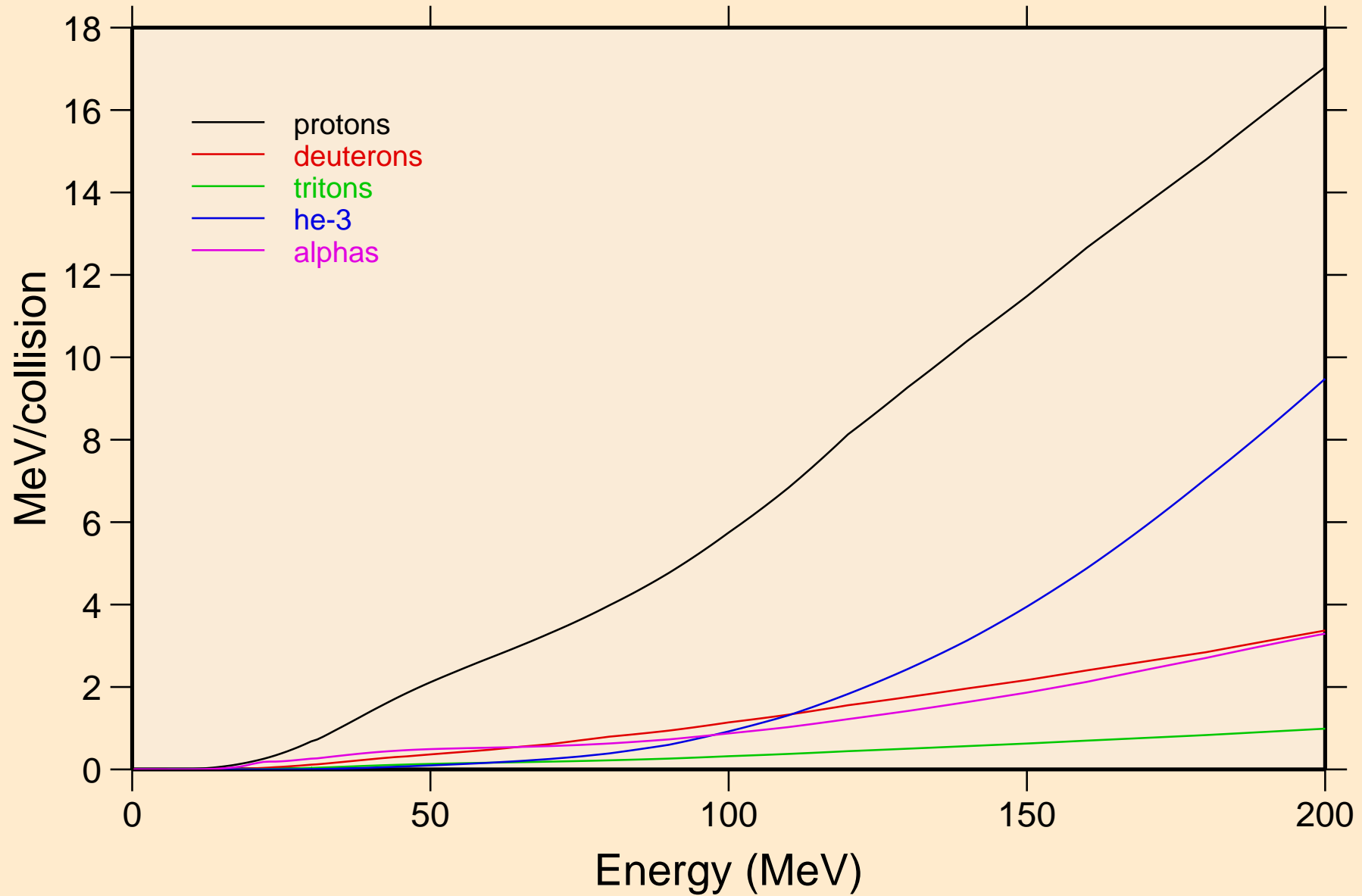


HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
14 MeV photon spectrum



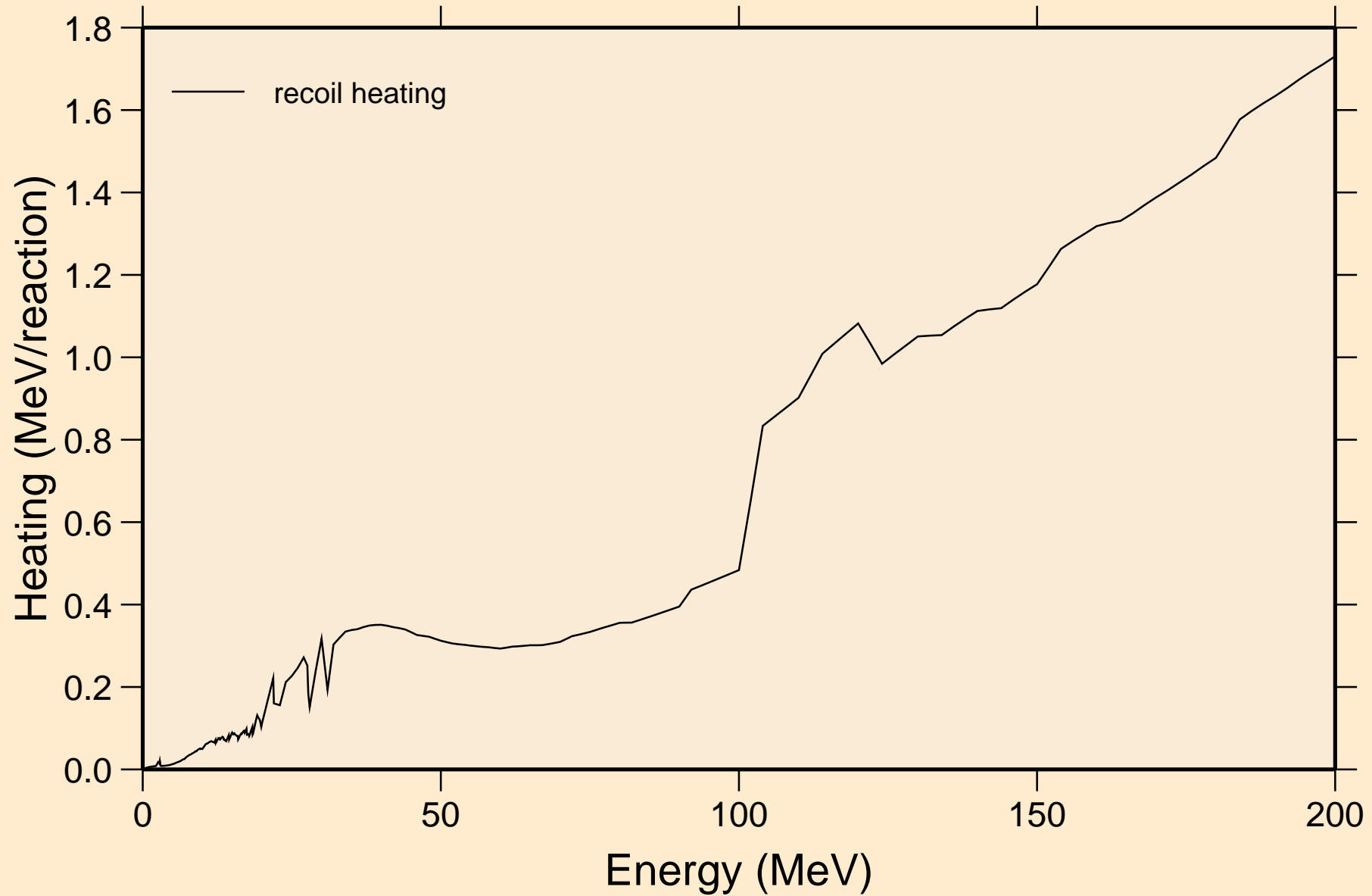
# HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Particle heating contributions



# HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

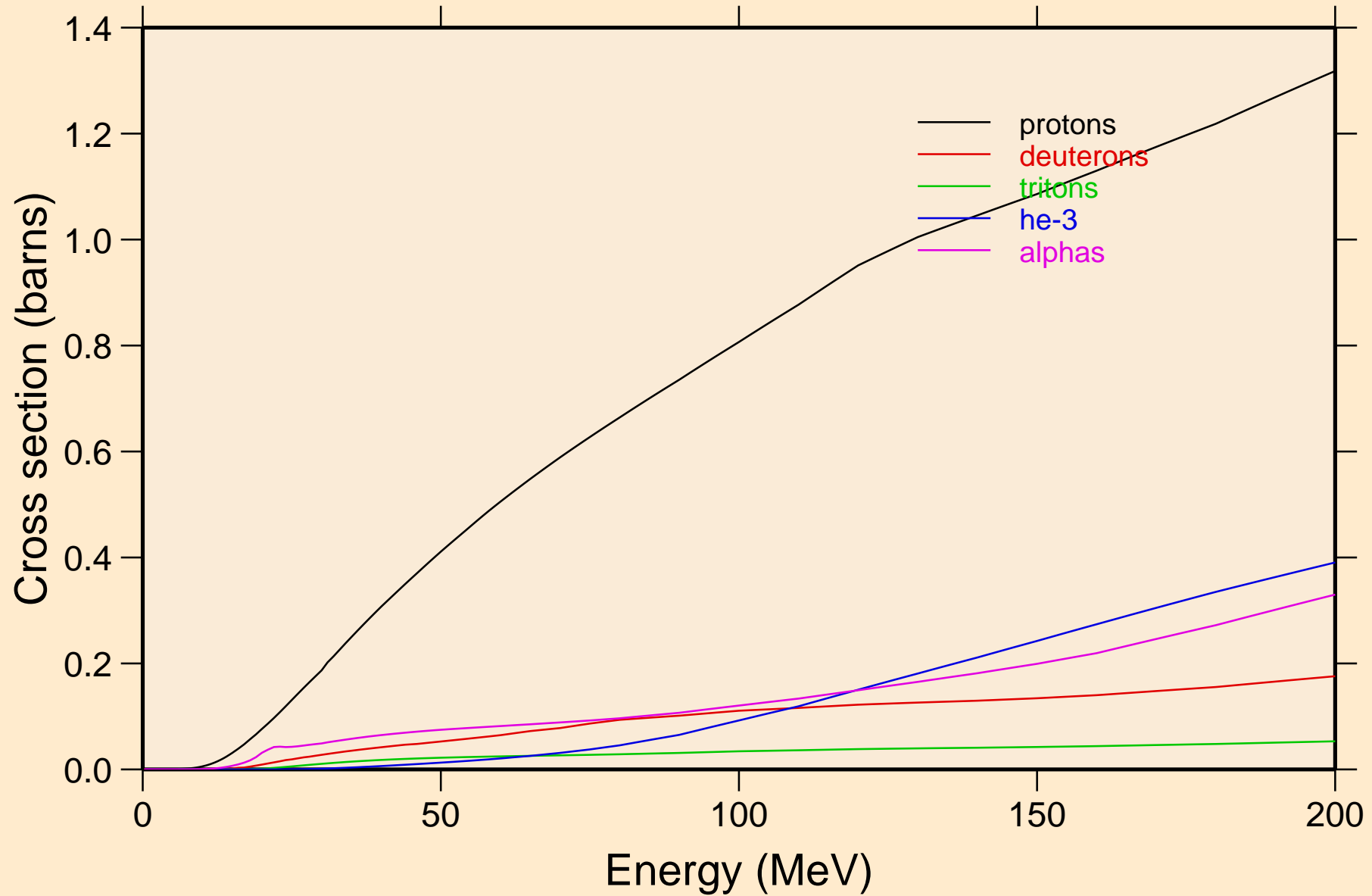
## Recoil Heating



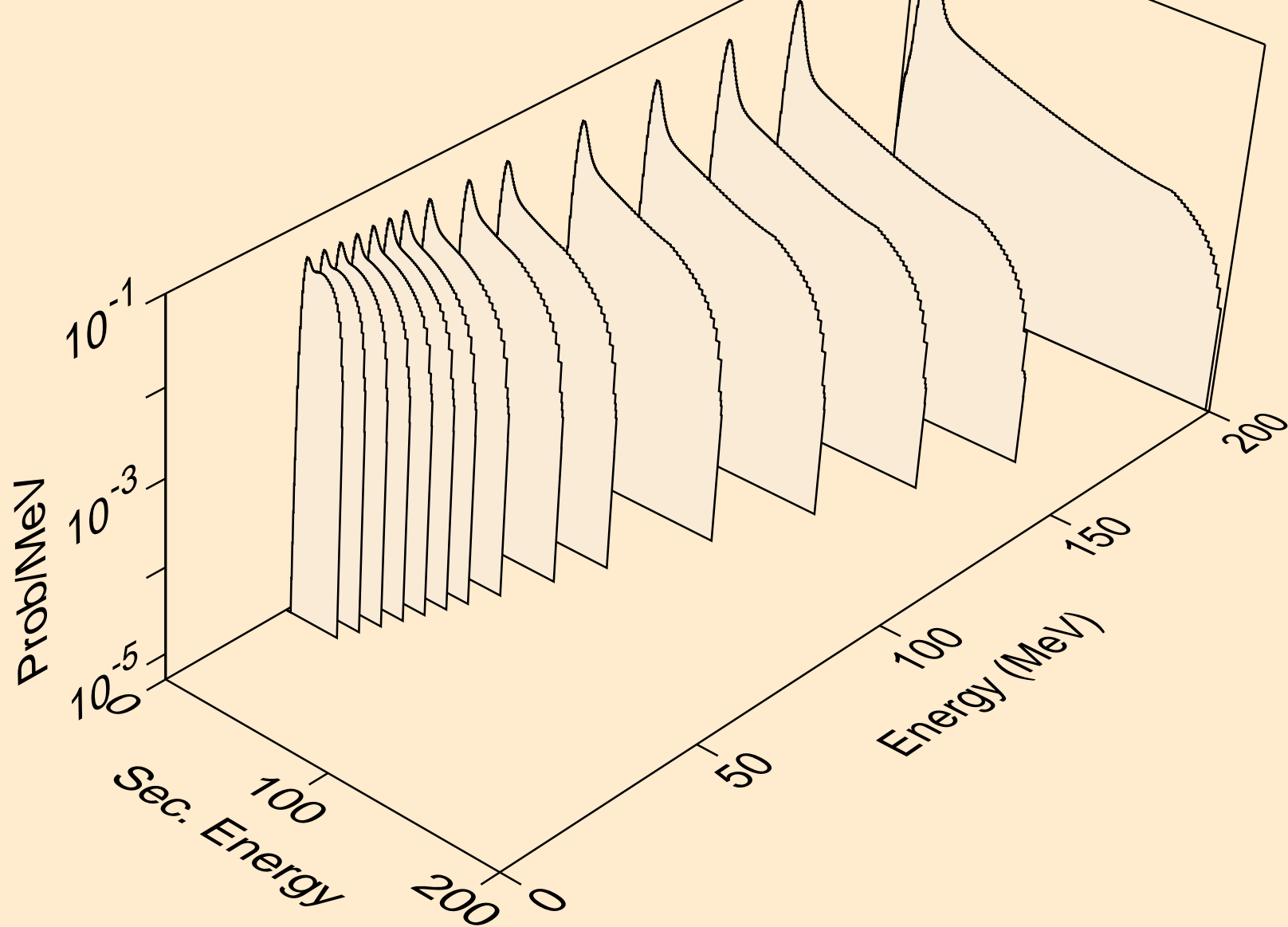


# HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

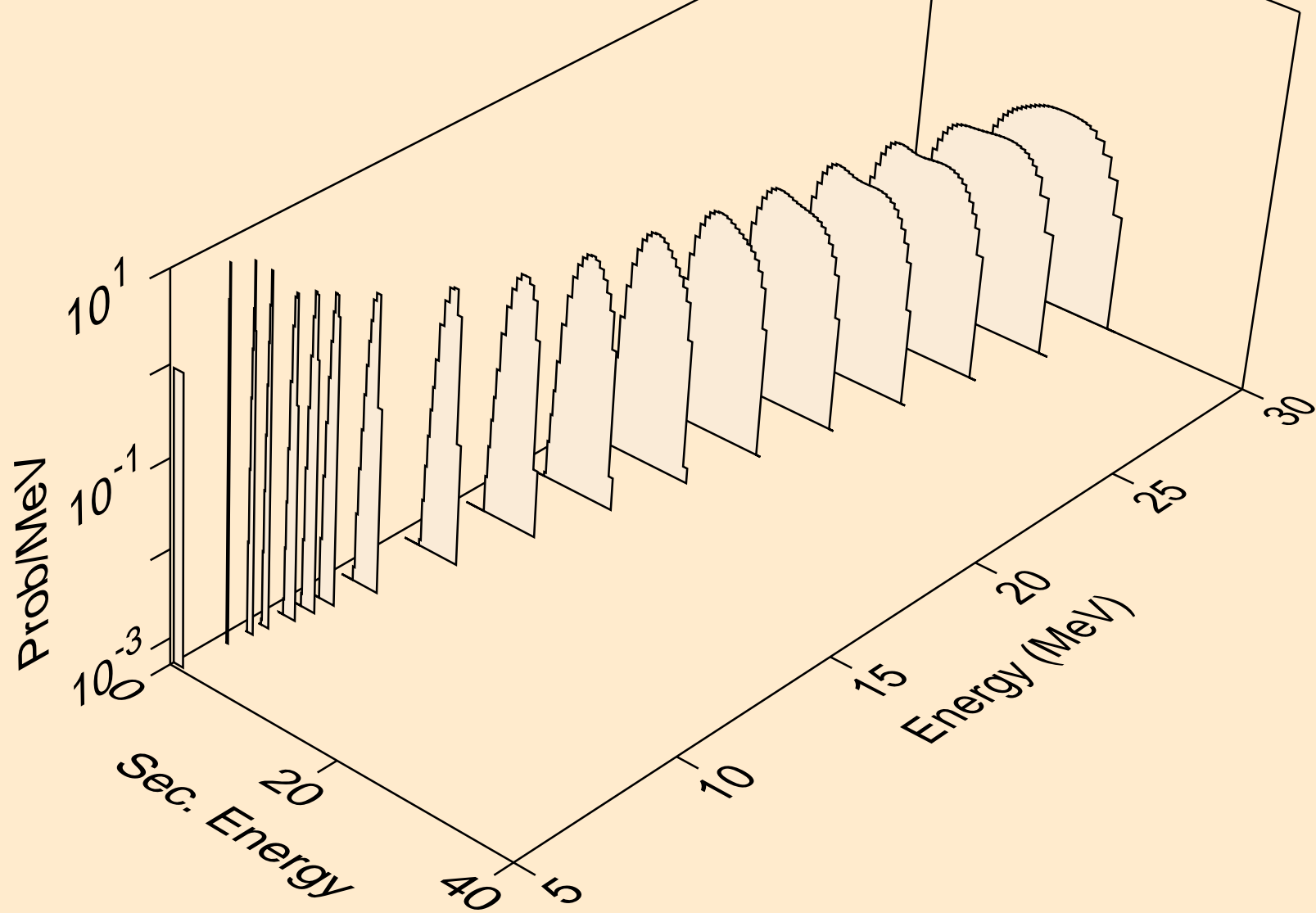
## Particle production cross sections



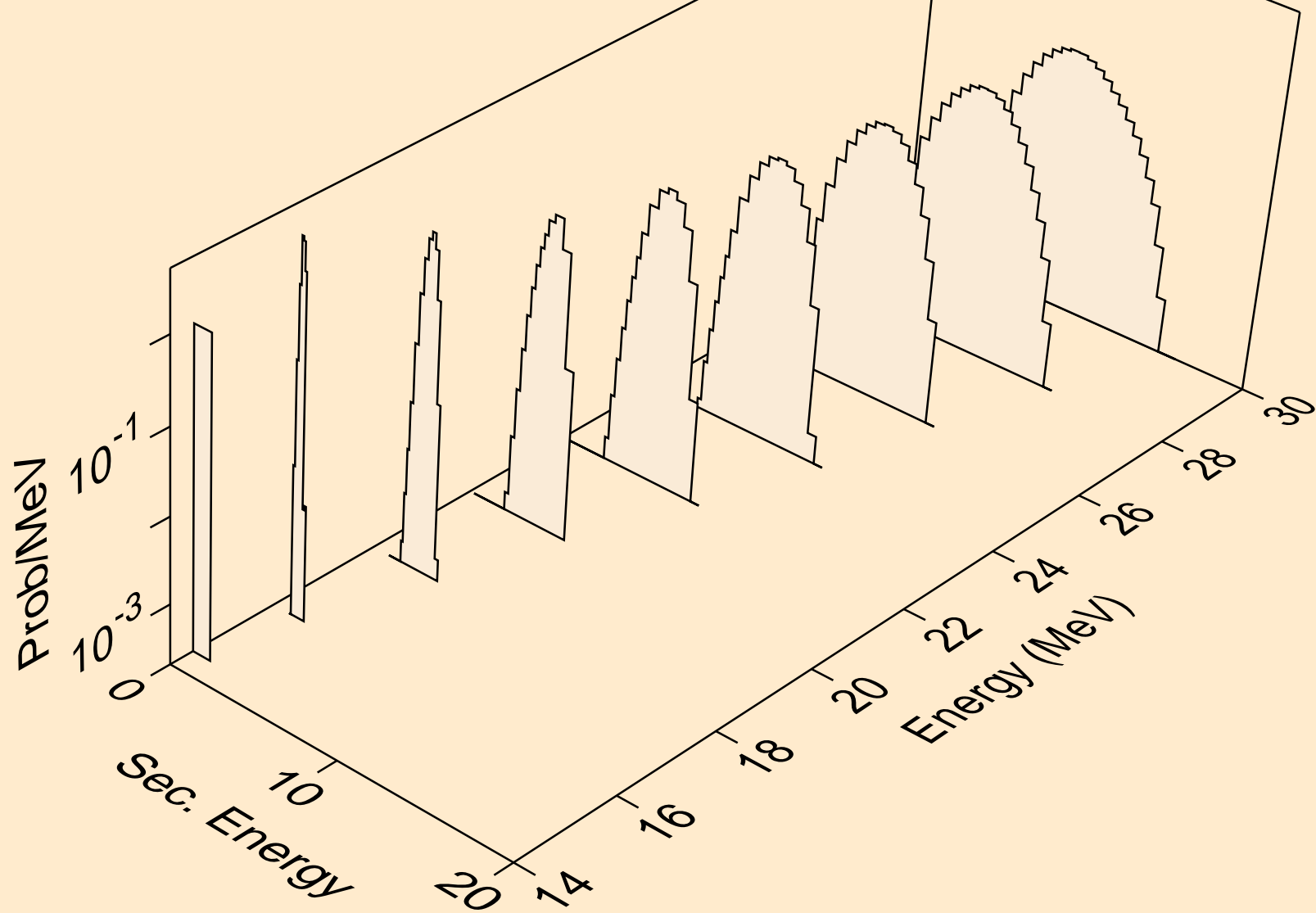
HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,x)



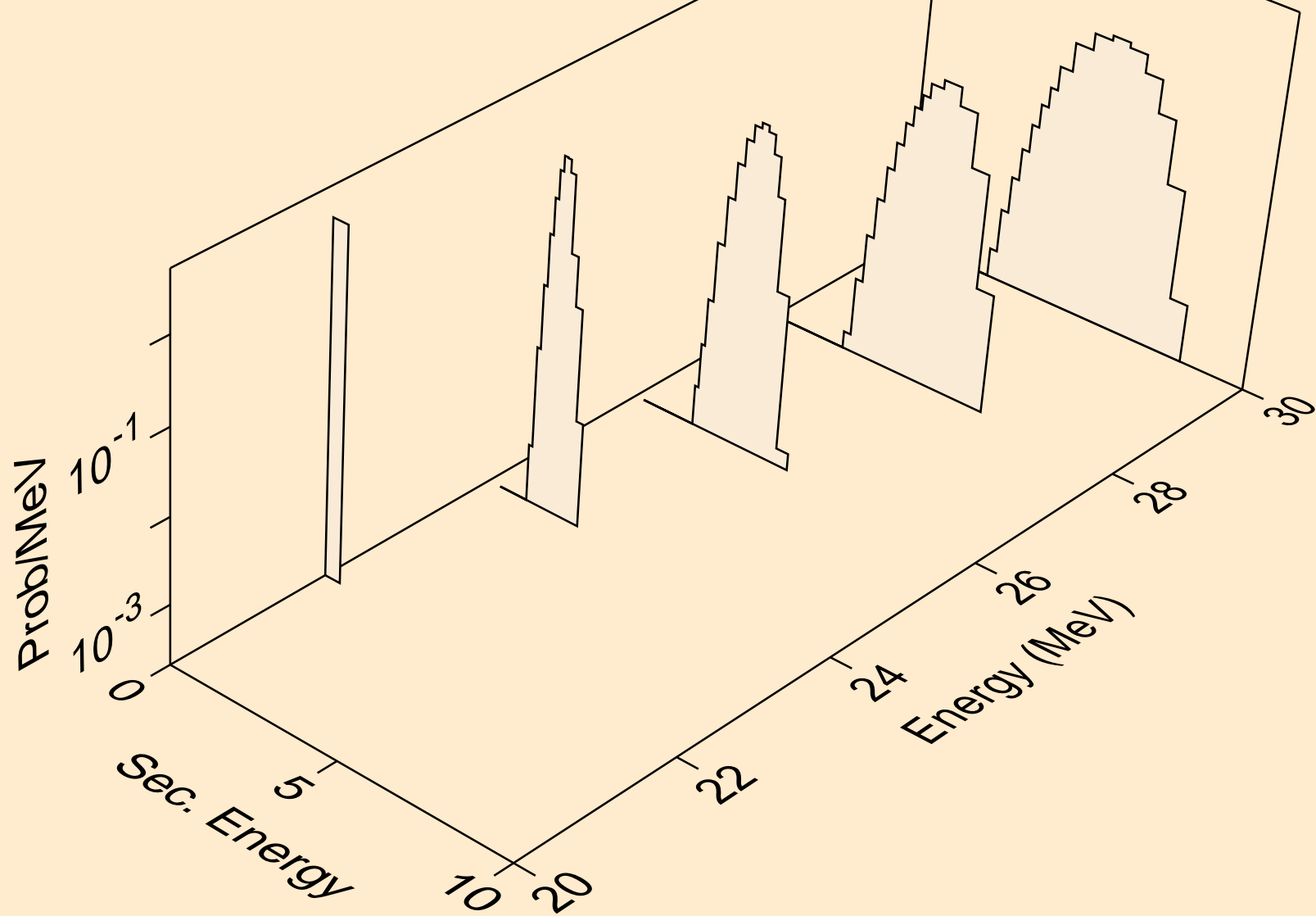
HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,n\*)p



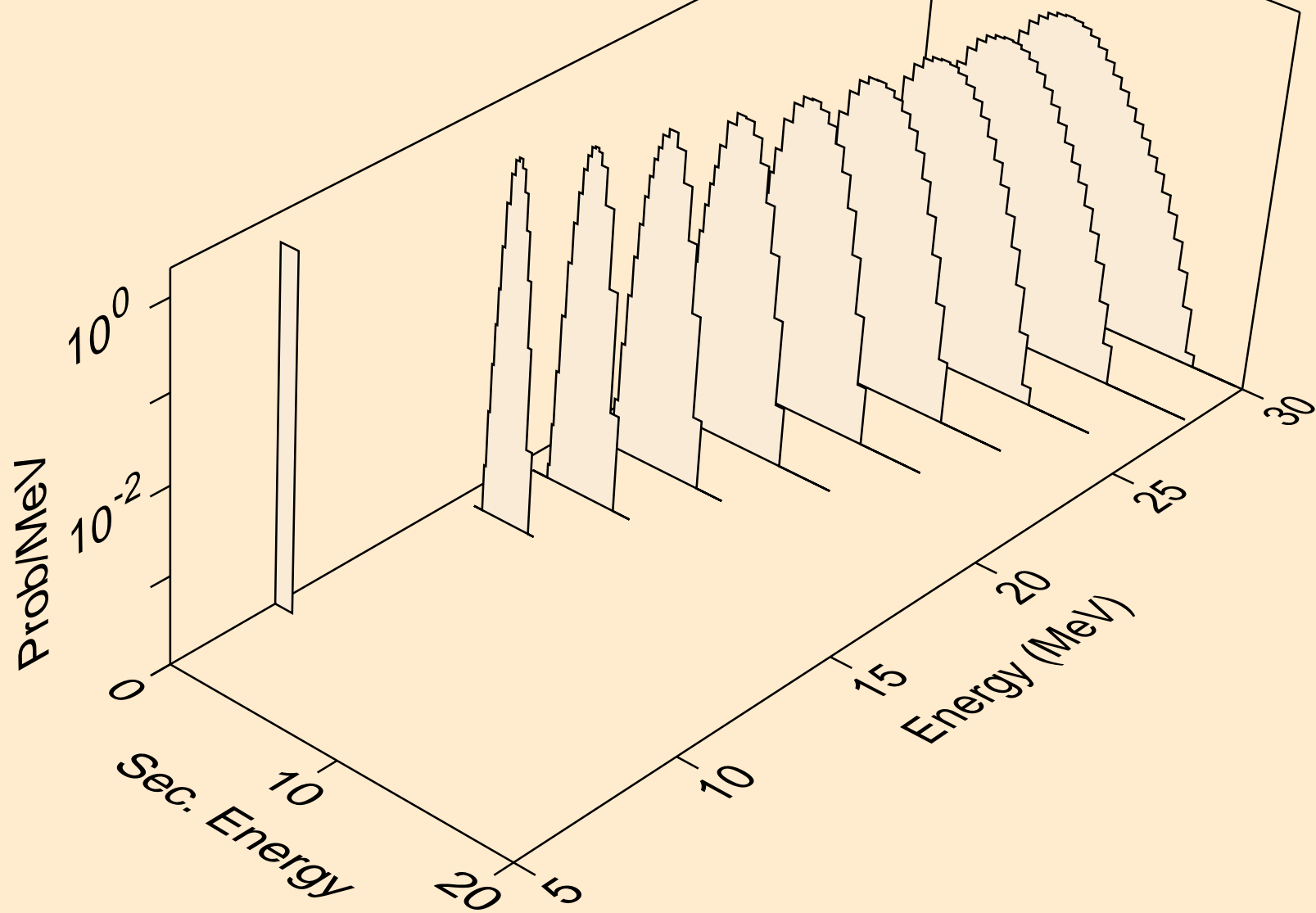
HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,2np)



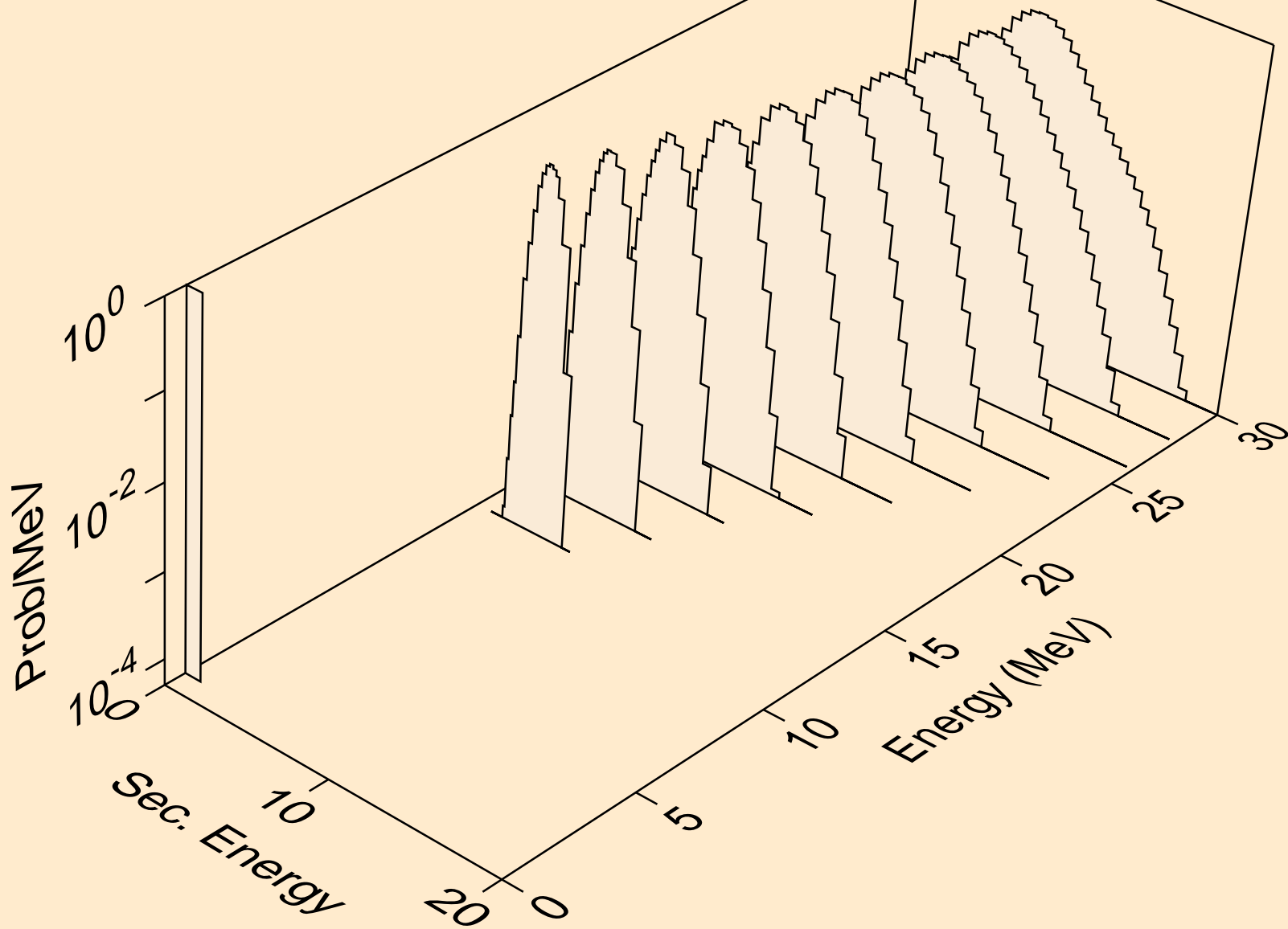
HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,3np)



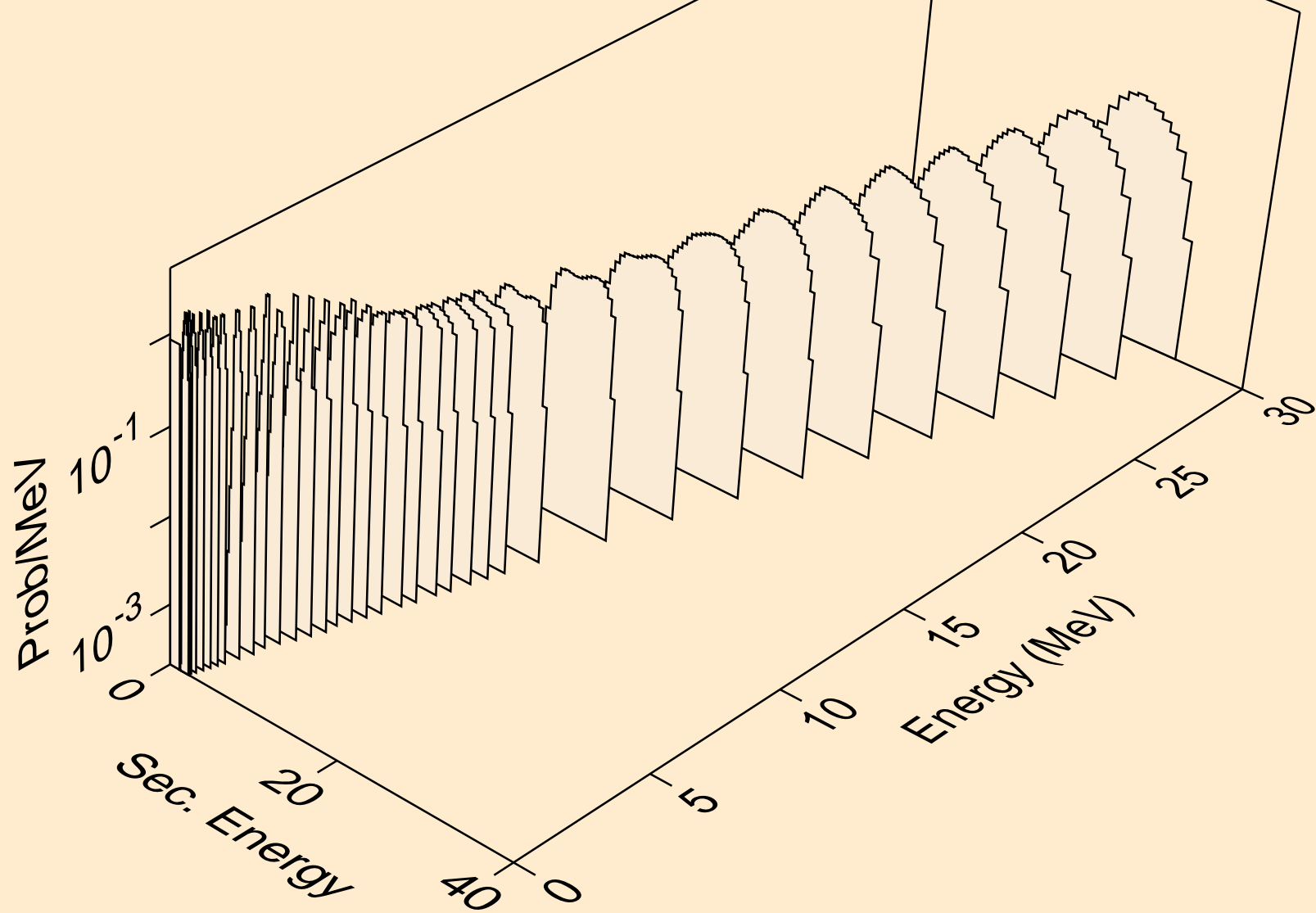
HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,n2p)



HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,npa)

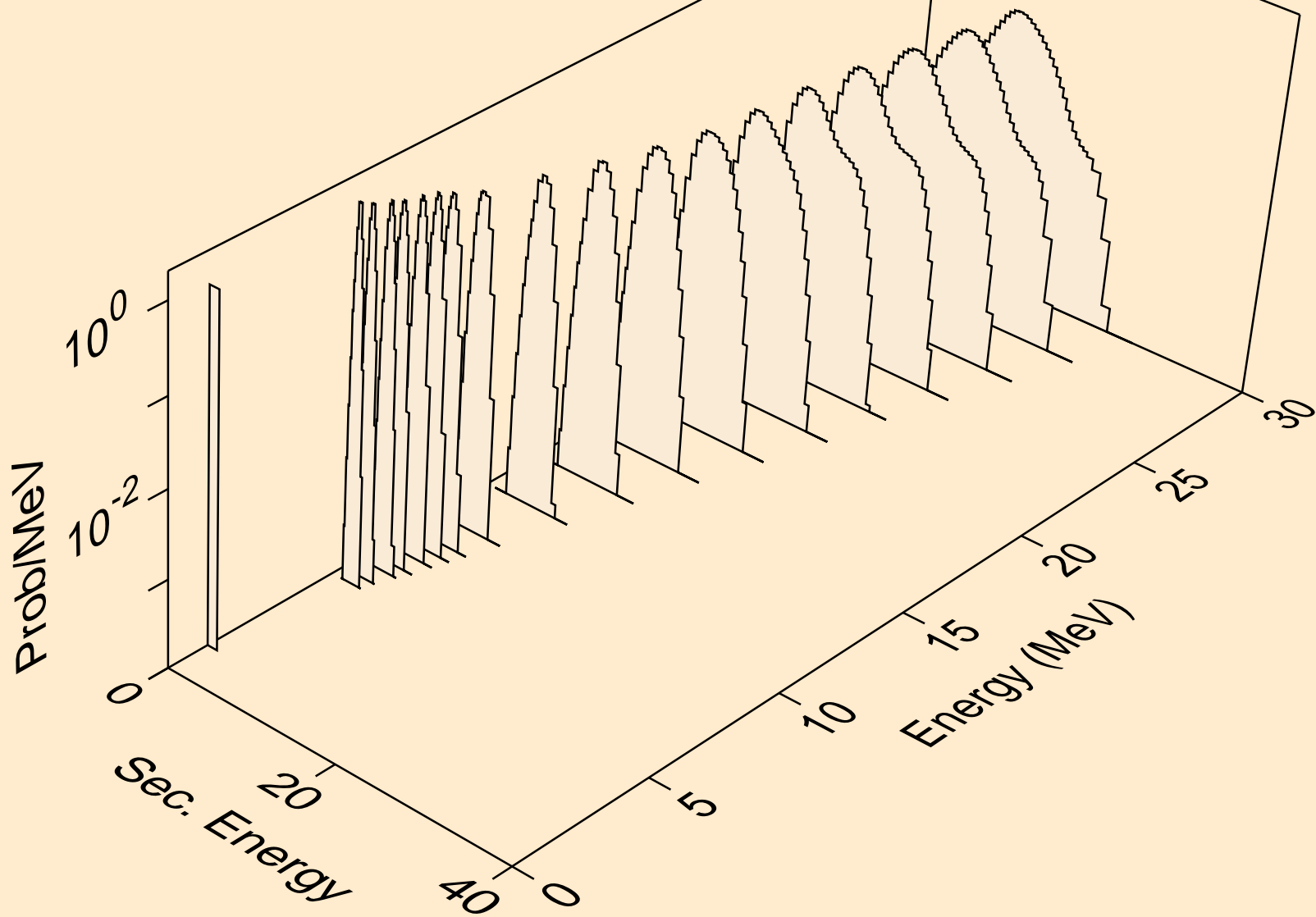


HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,p)

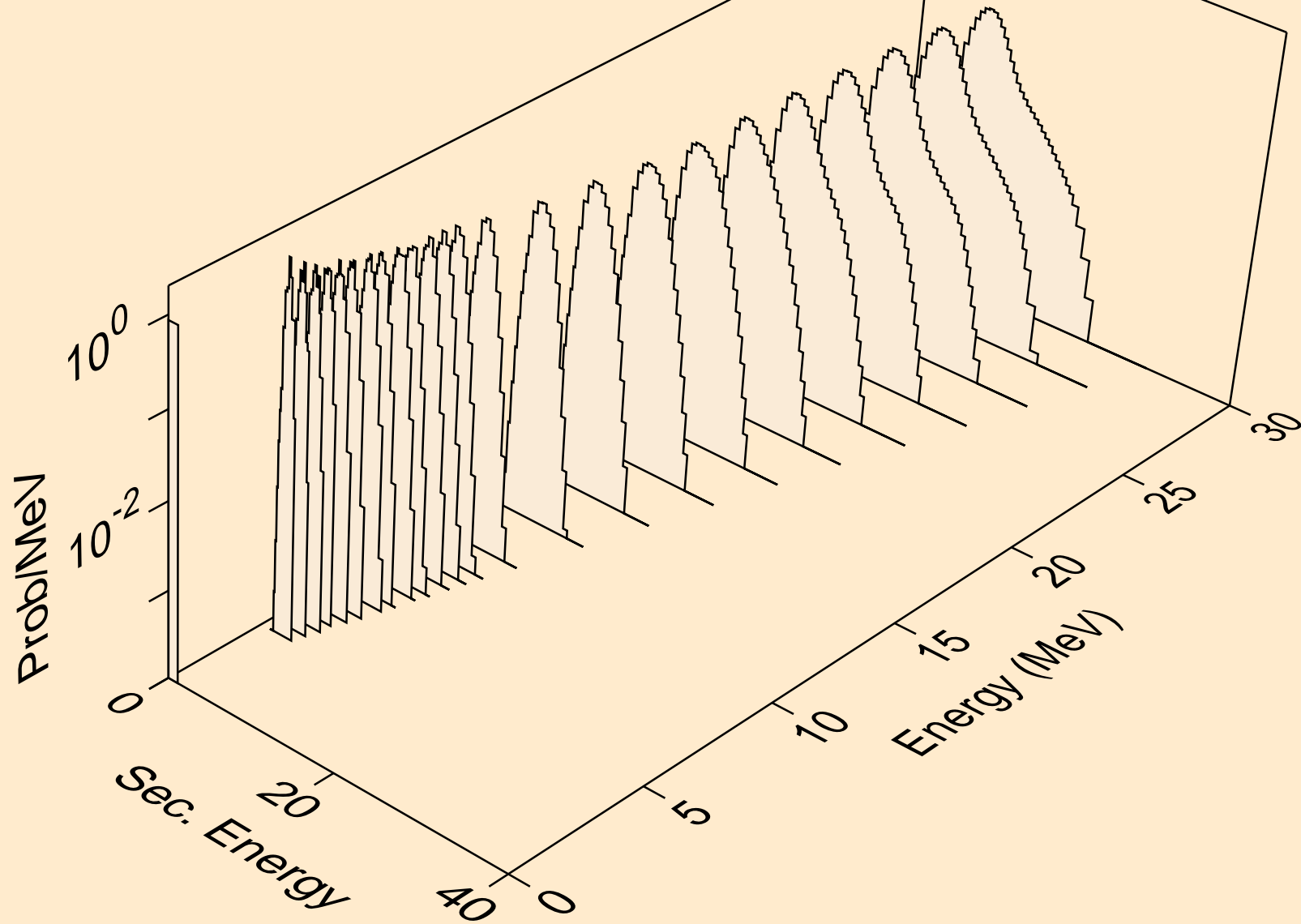




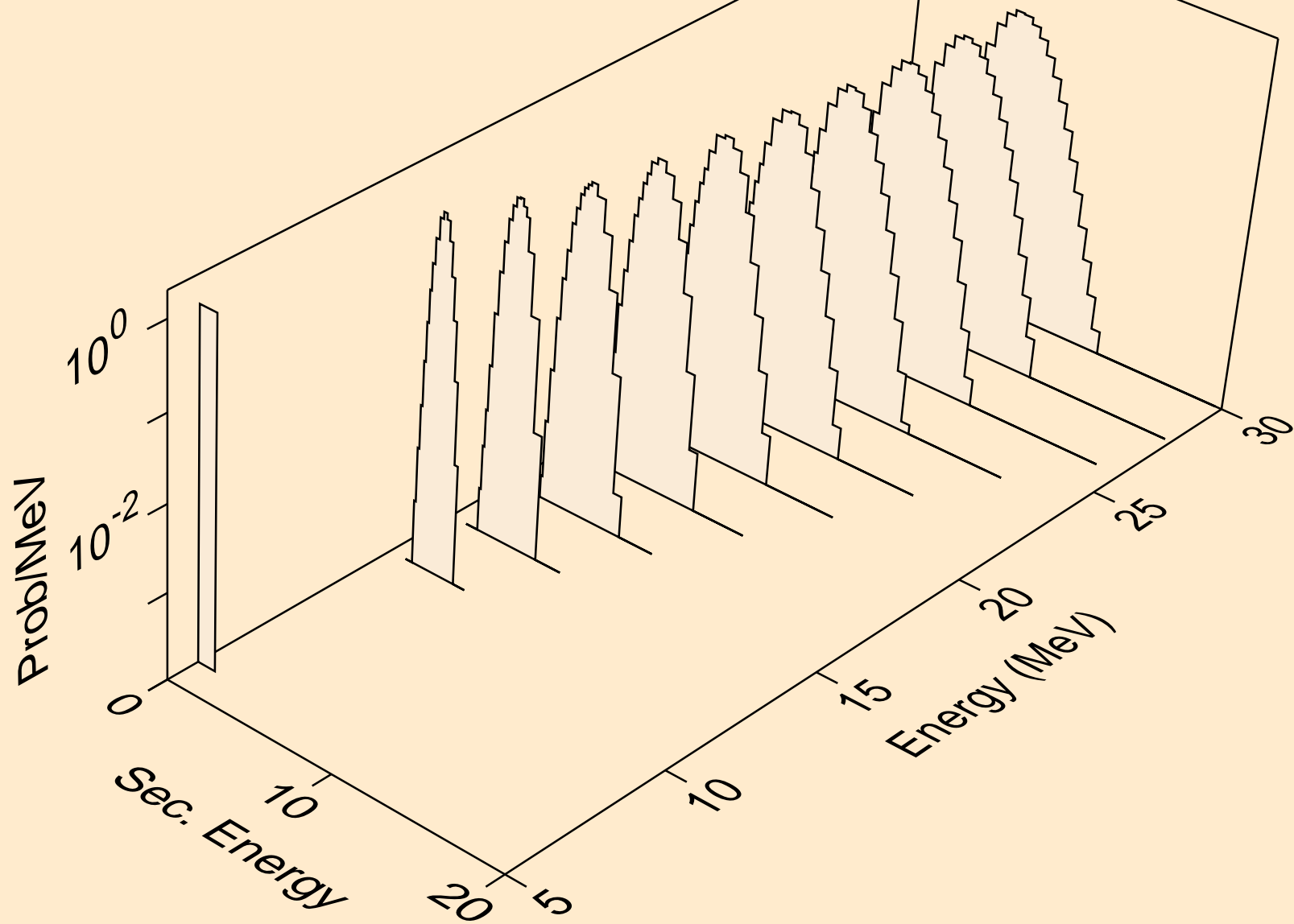
HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,2p)



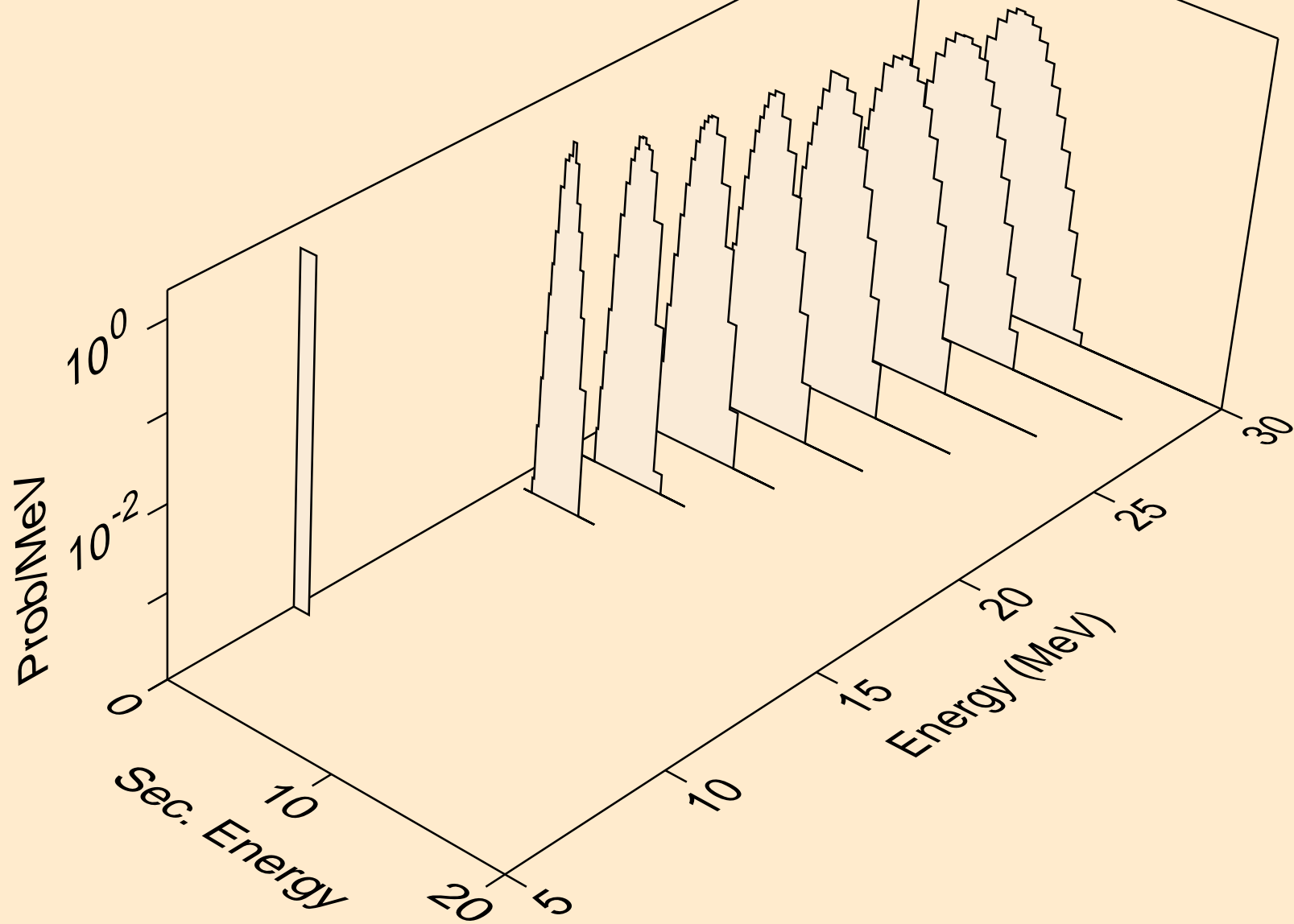
HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,p)



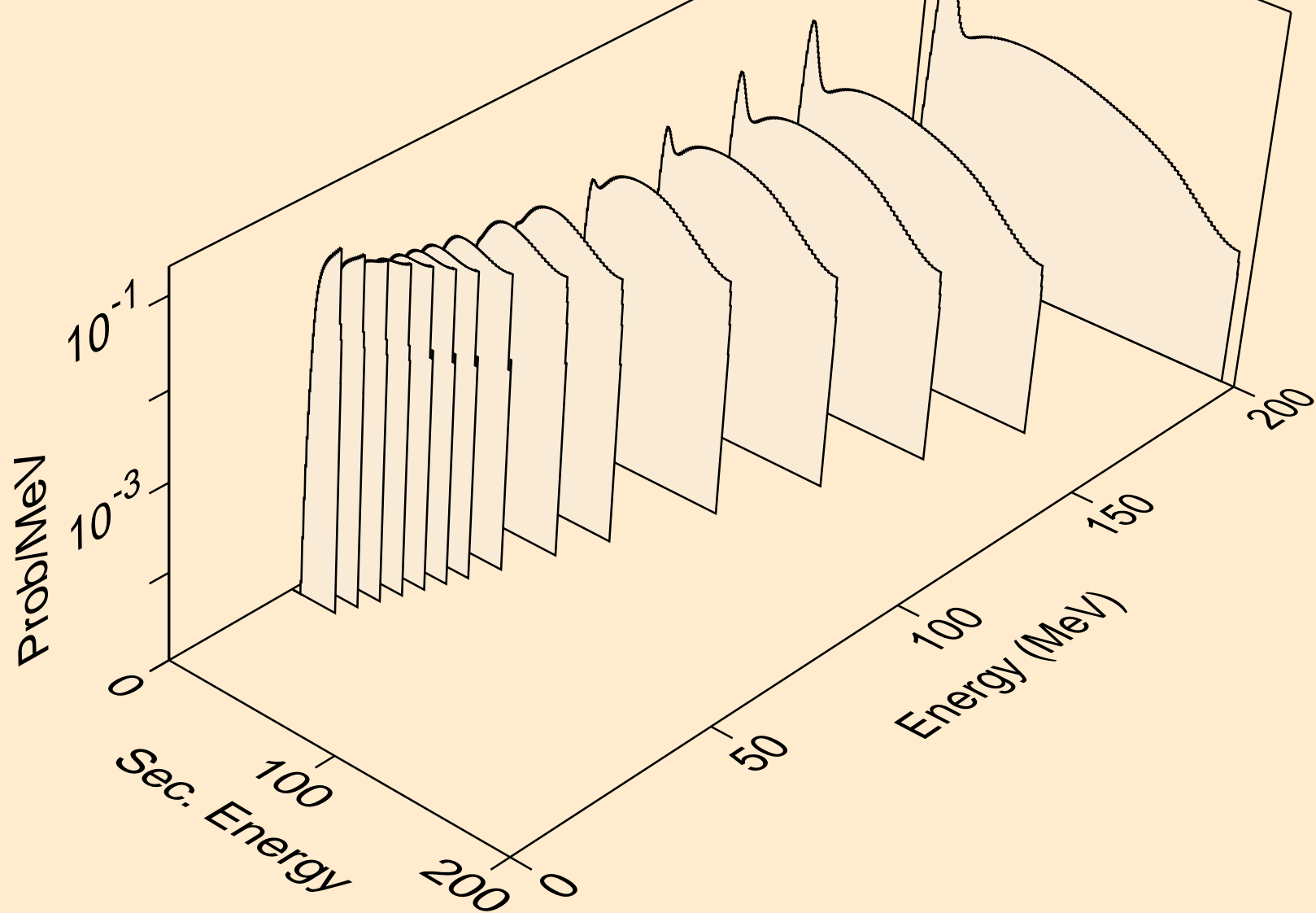
HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,pd)



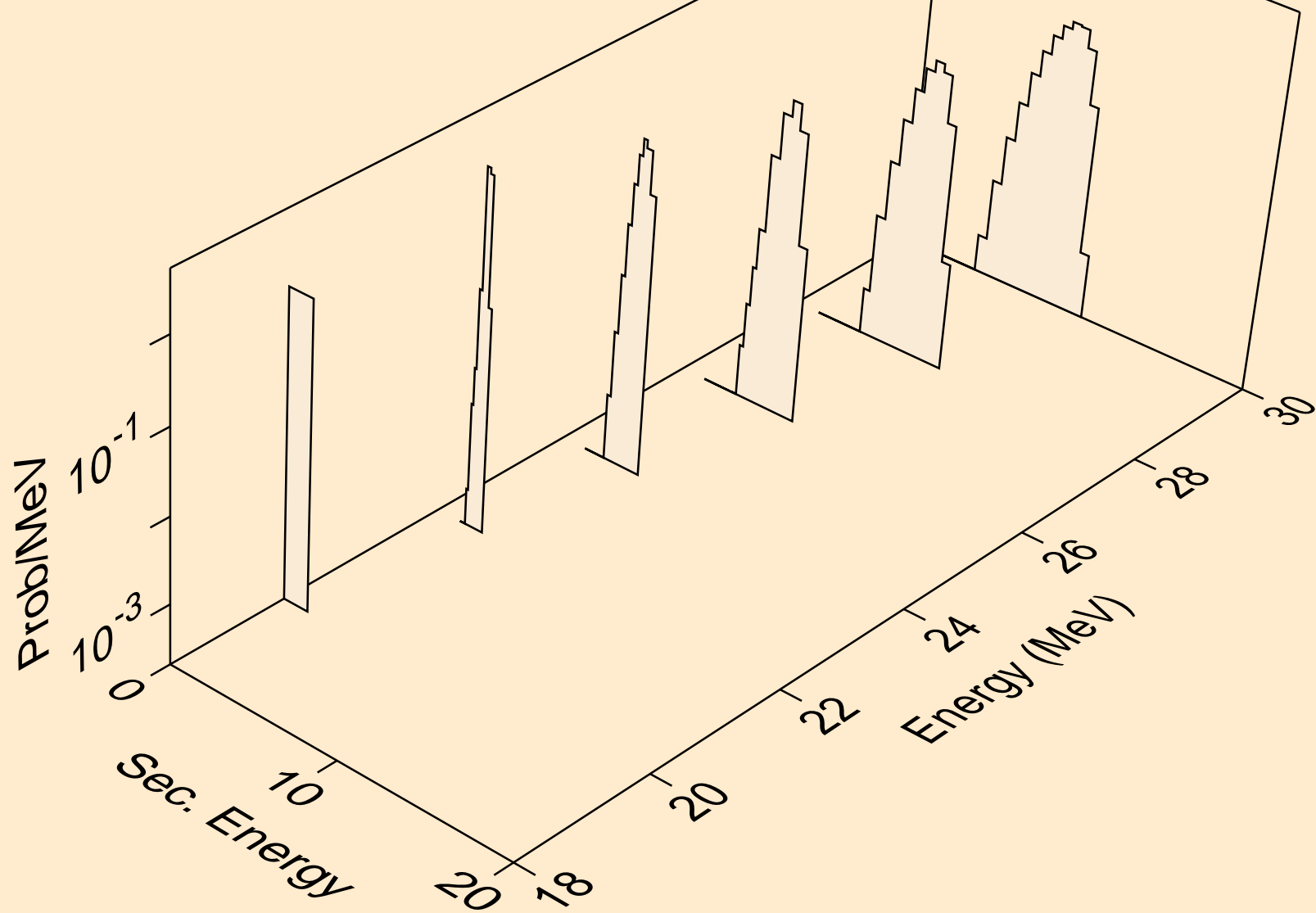
HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,pt)



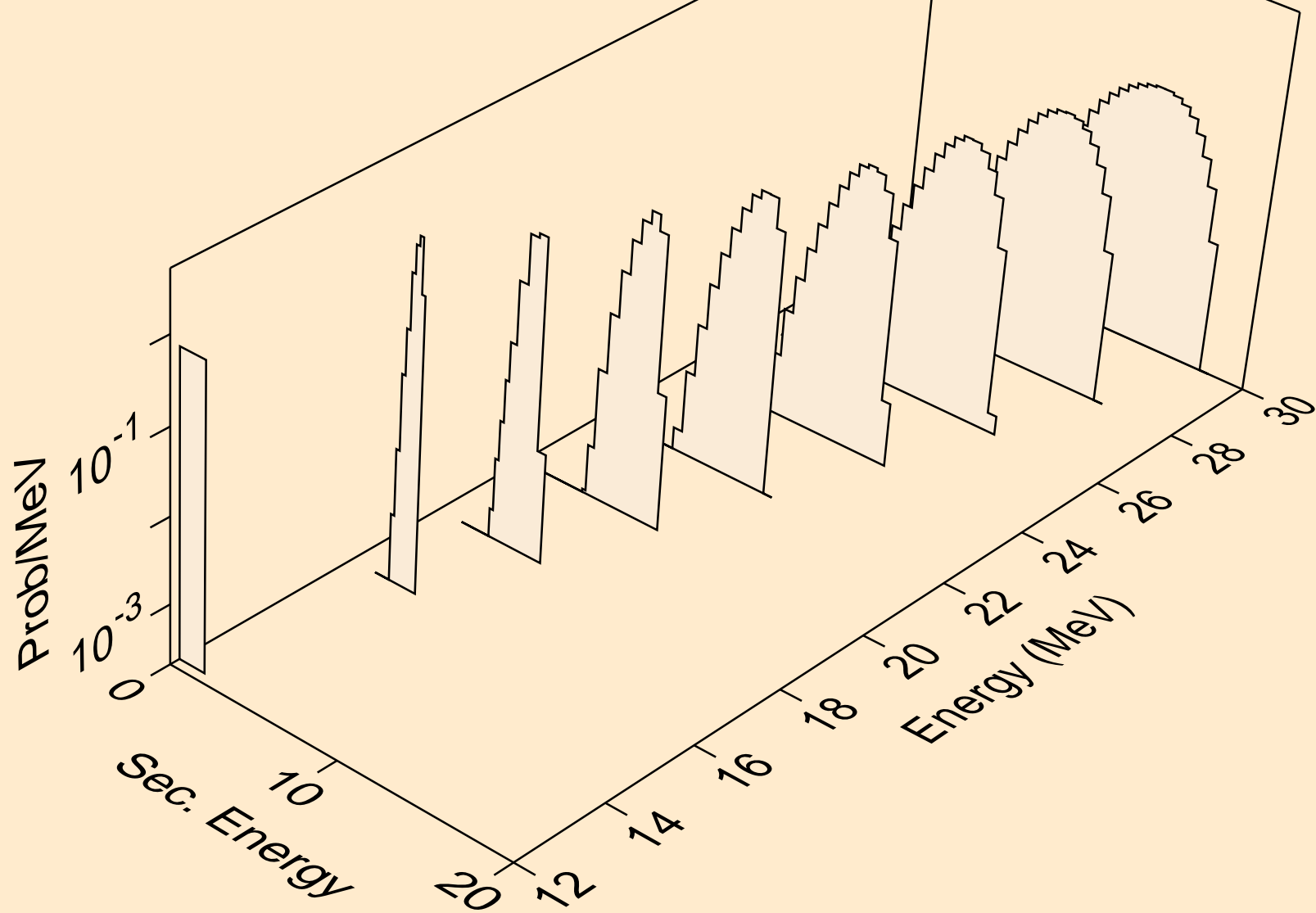
HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,x)



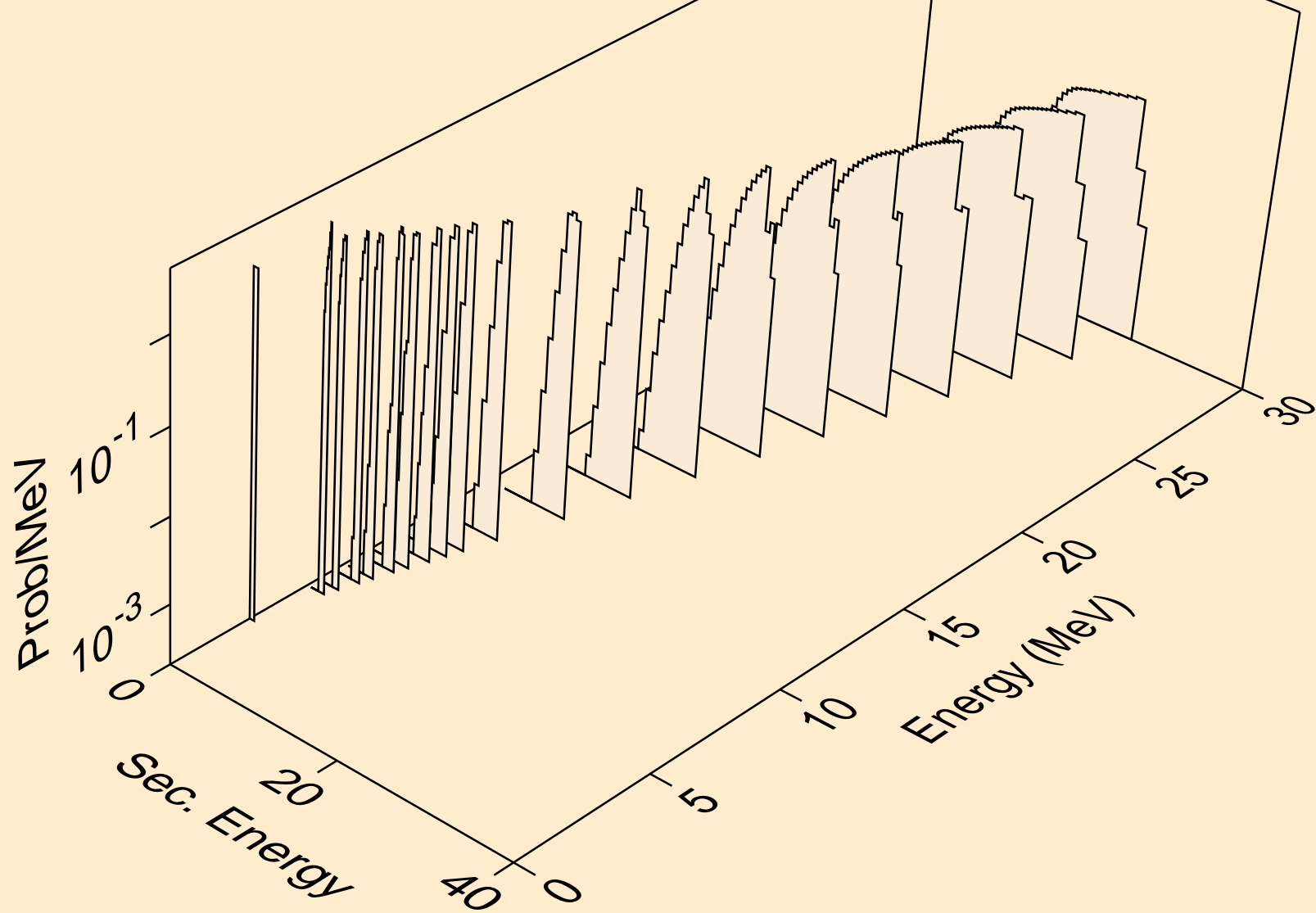
HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,2nd)



HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,n\*)d

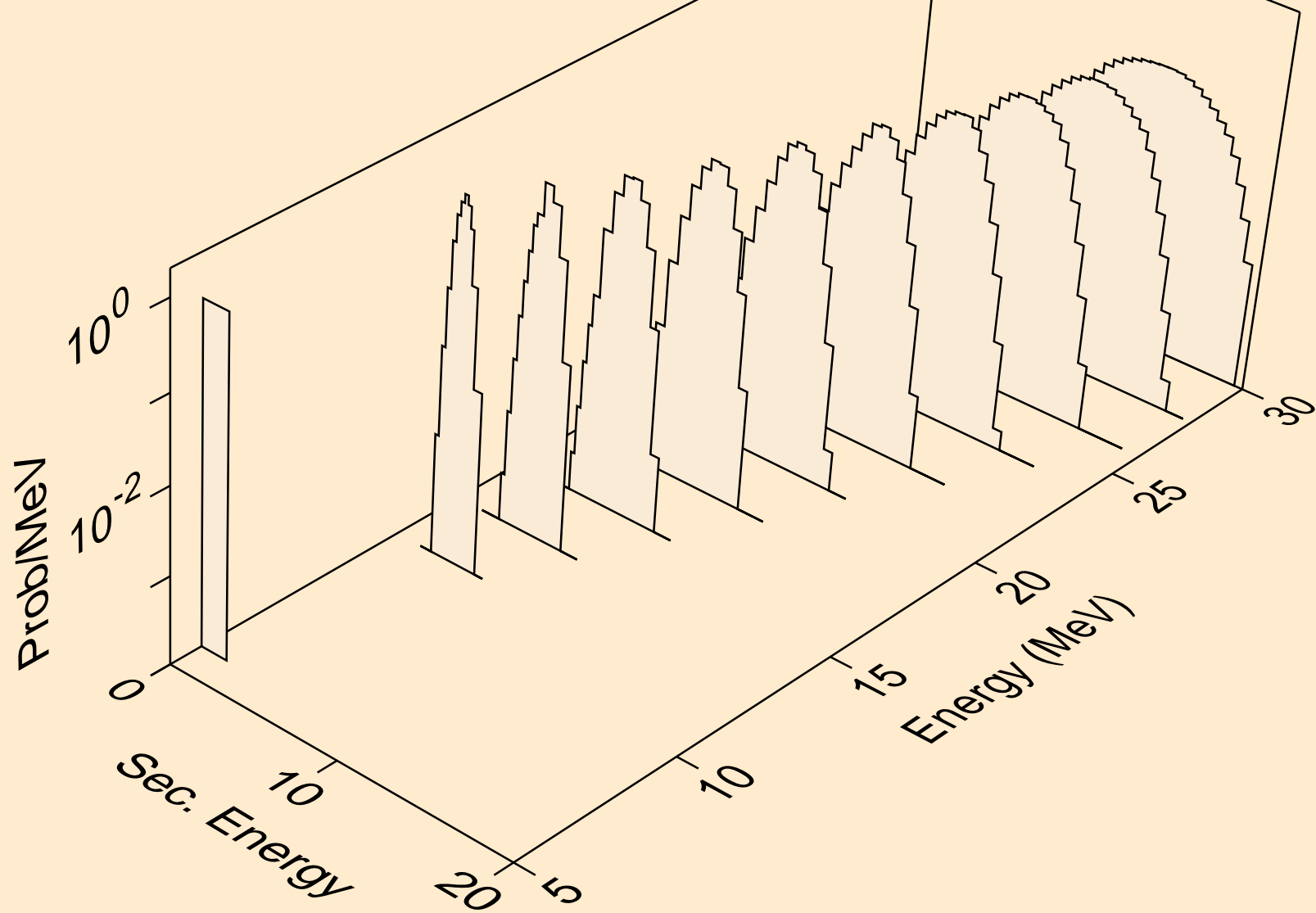


HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,d)

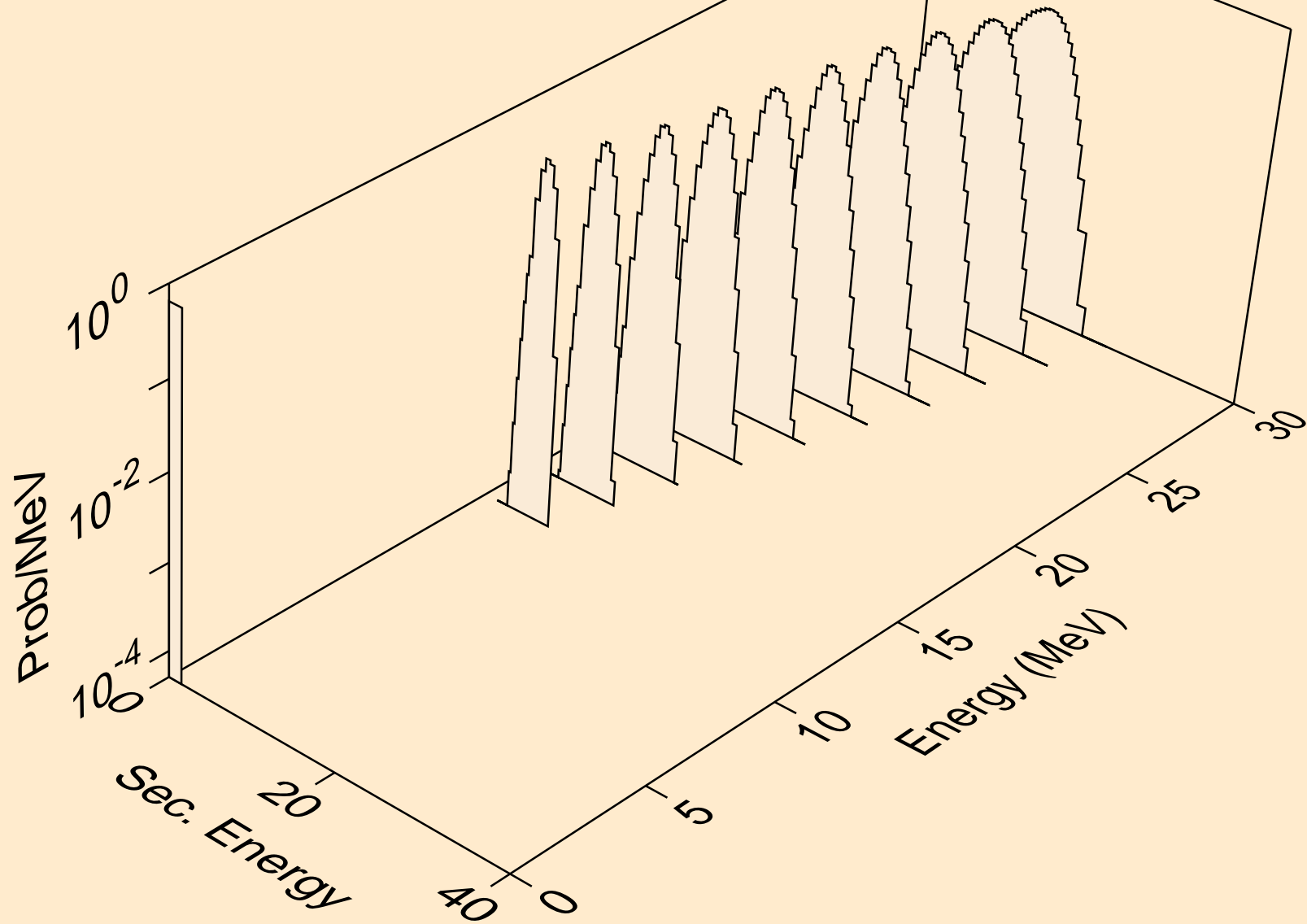




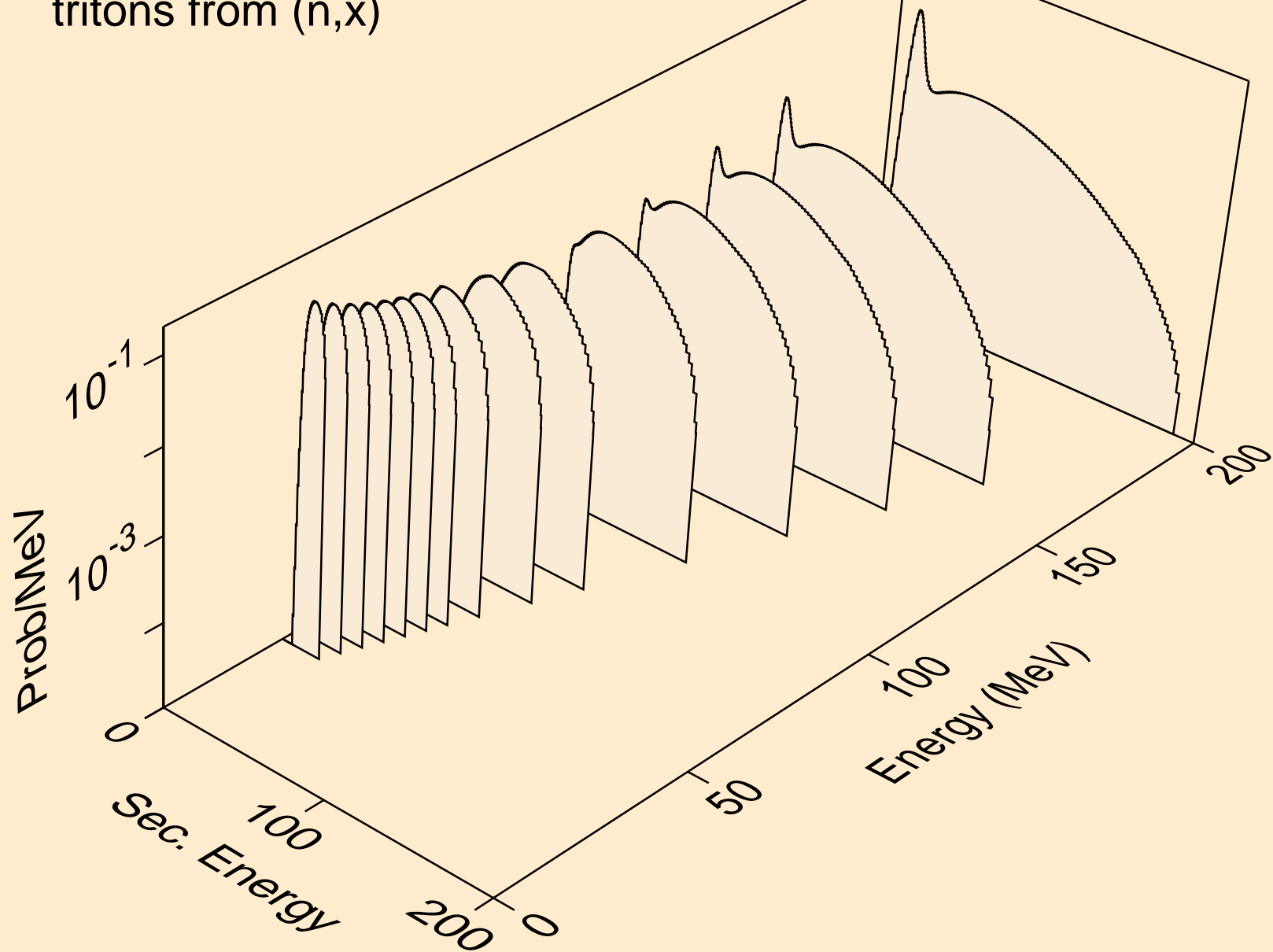
HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,pd)



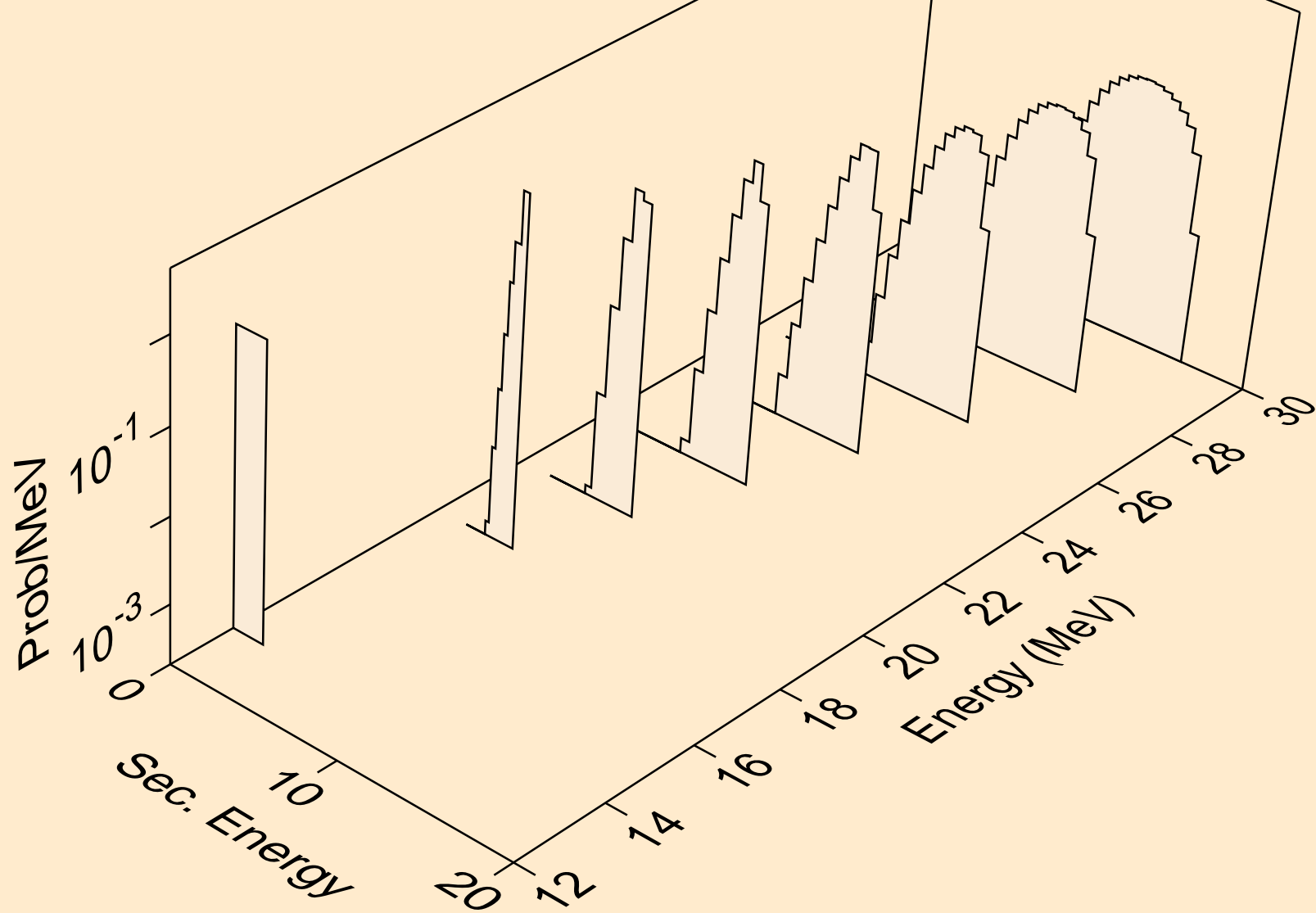
HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,da)



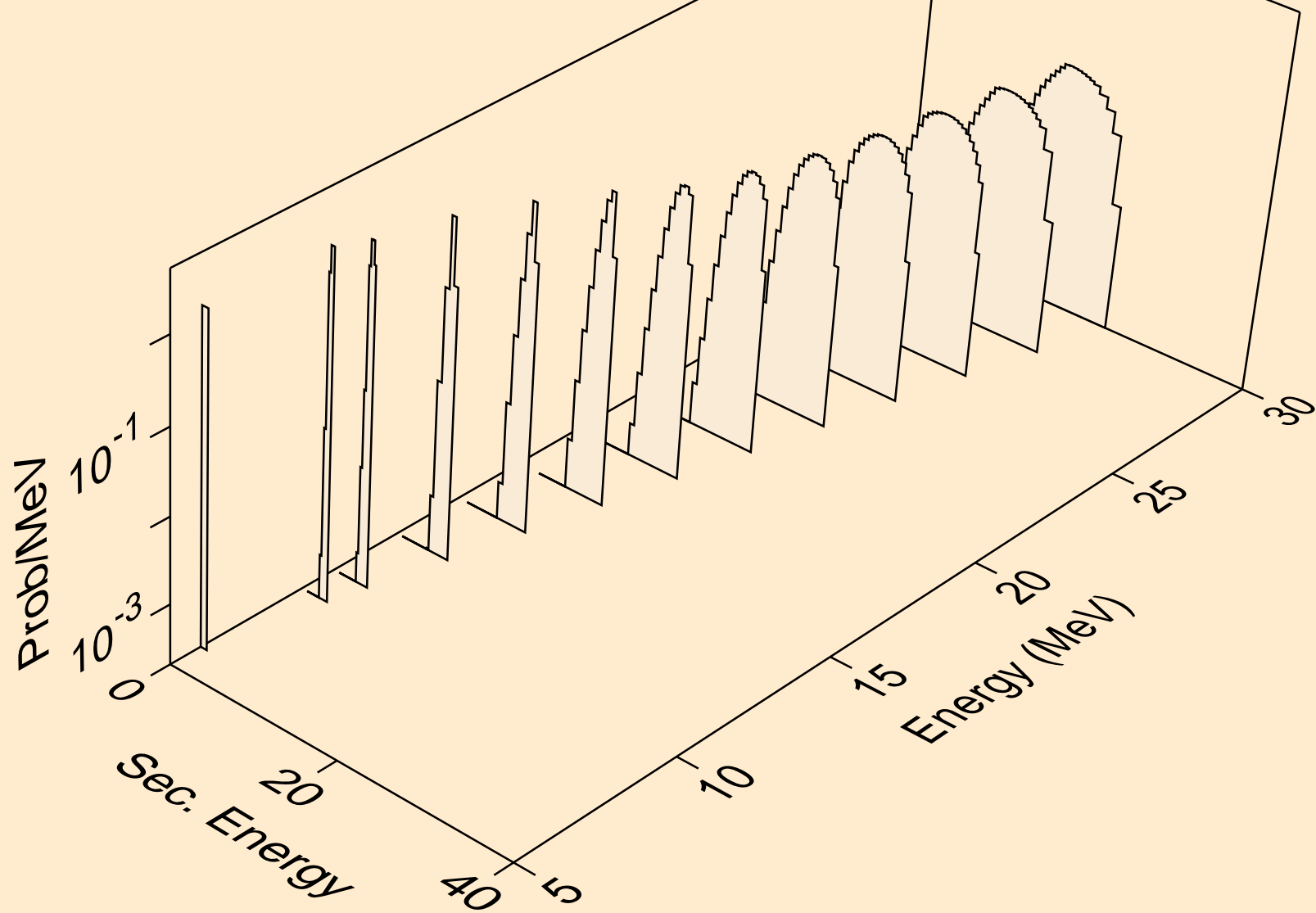
HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,x)



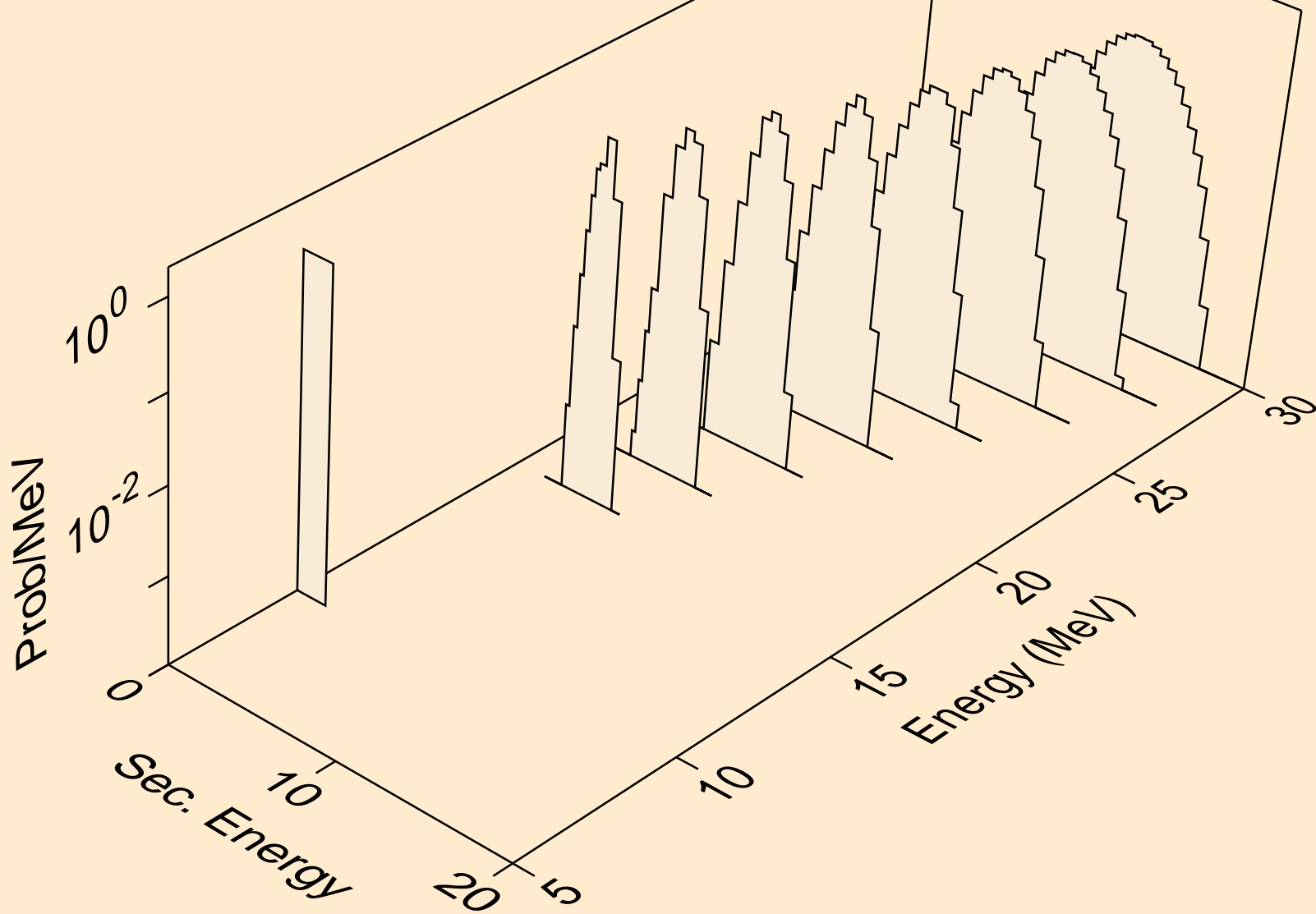
HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,n\*)t



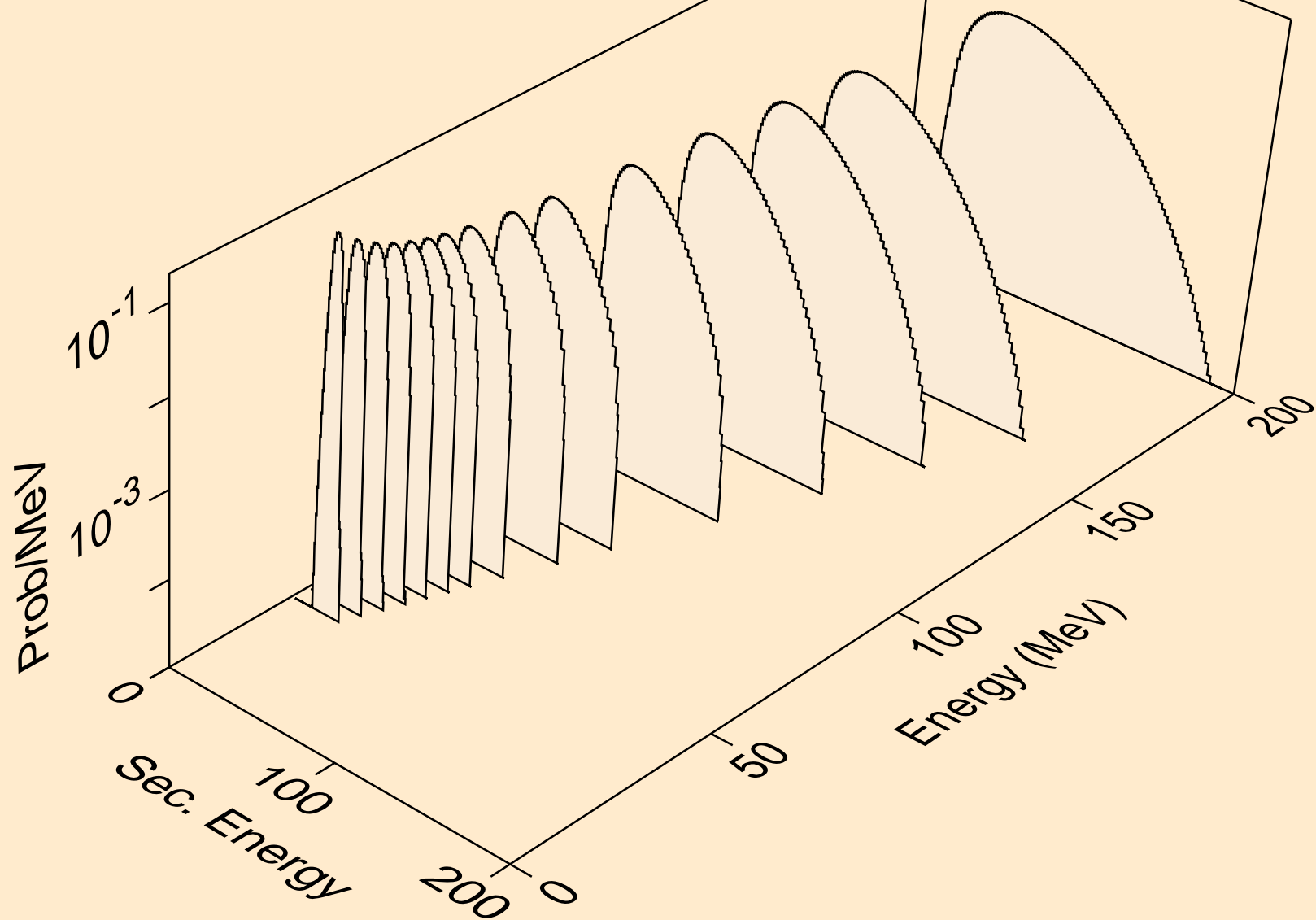
HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,t)



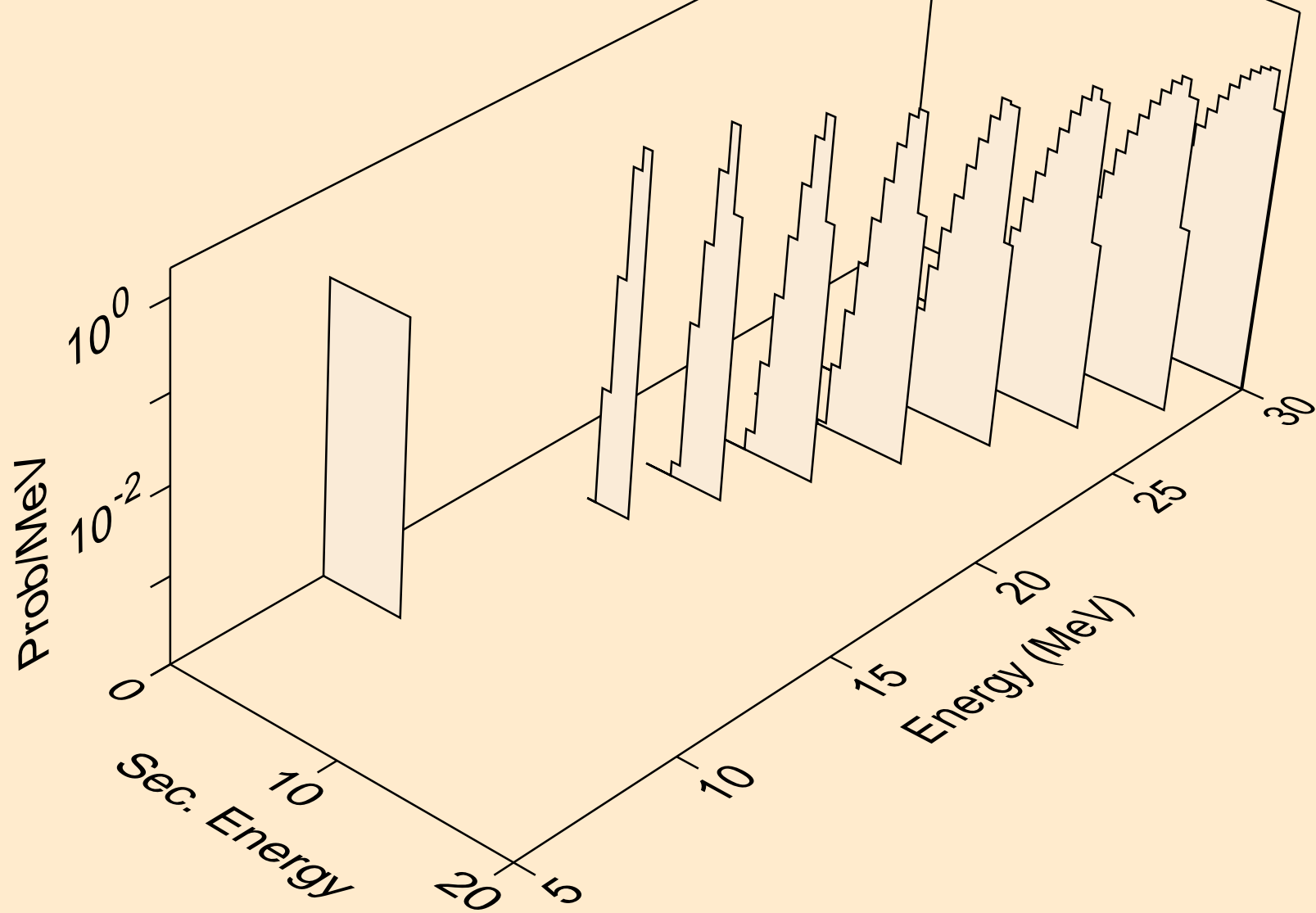
HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,pt)



HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,x)

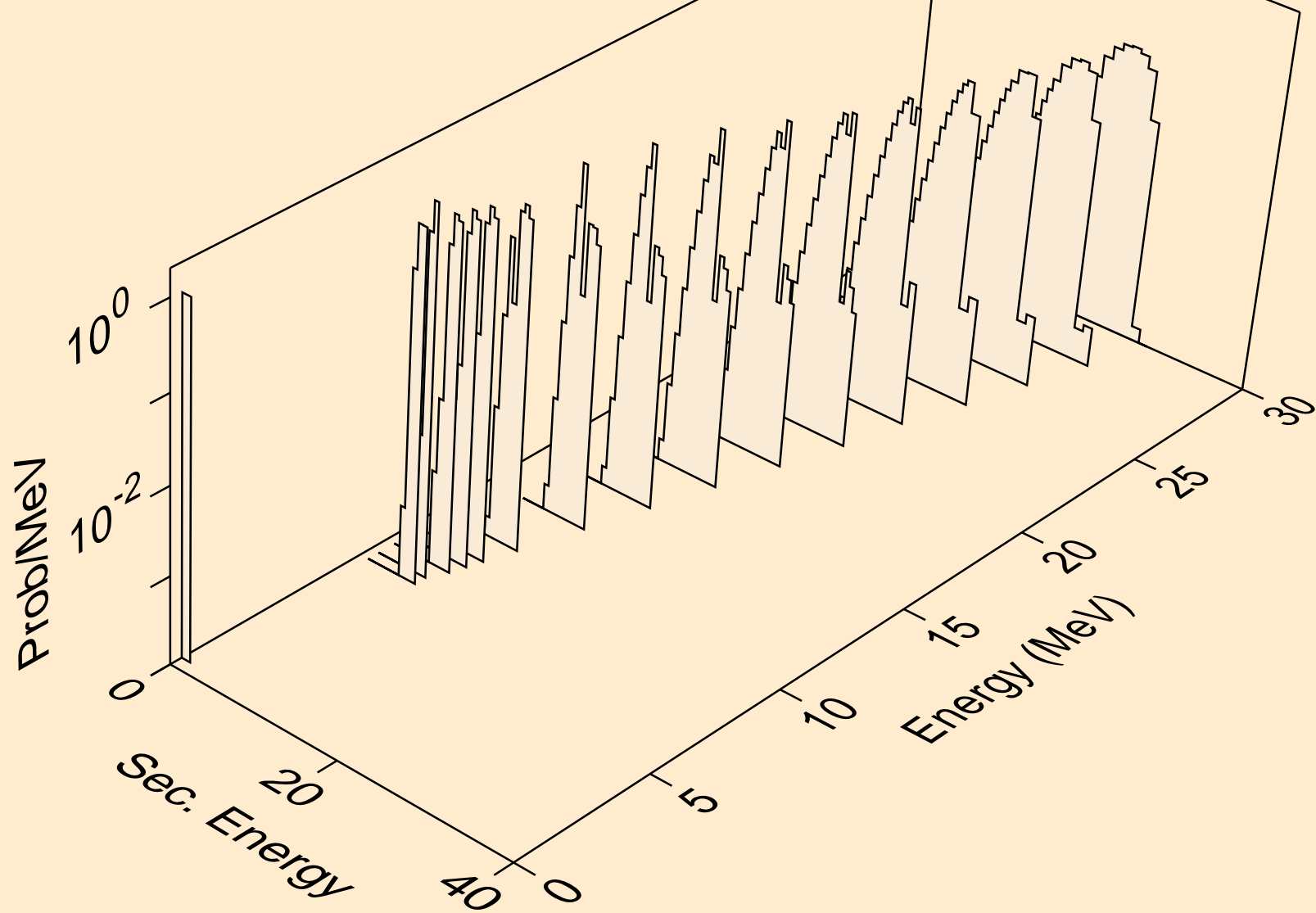


HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,n\*)he3

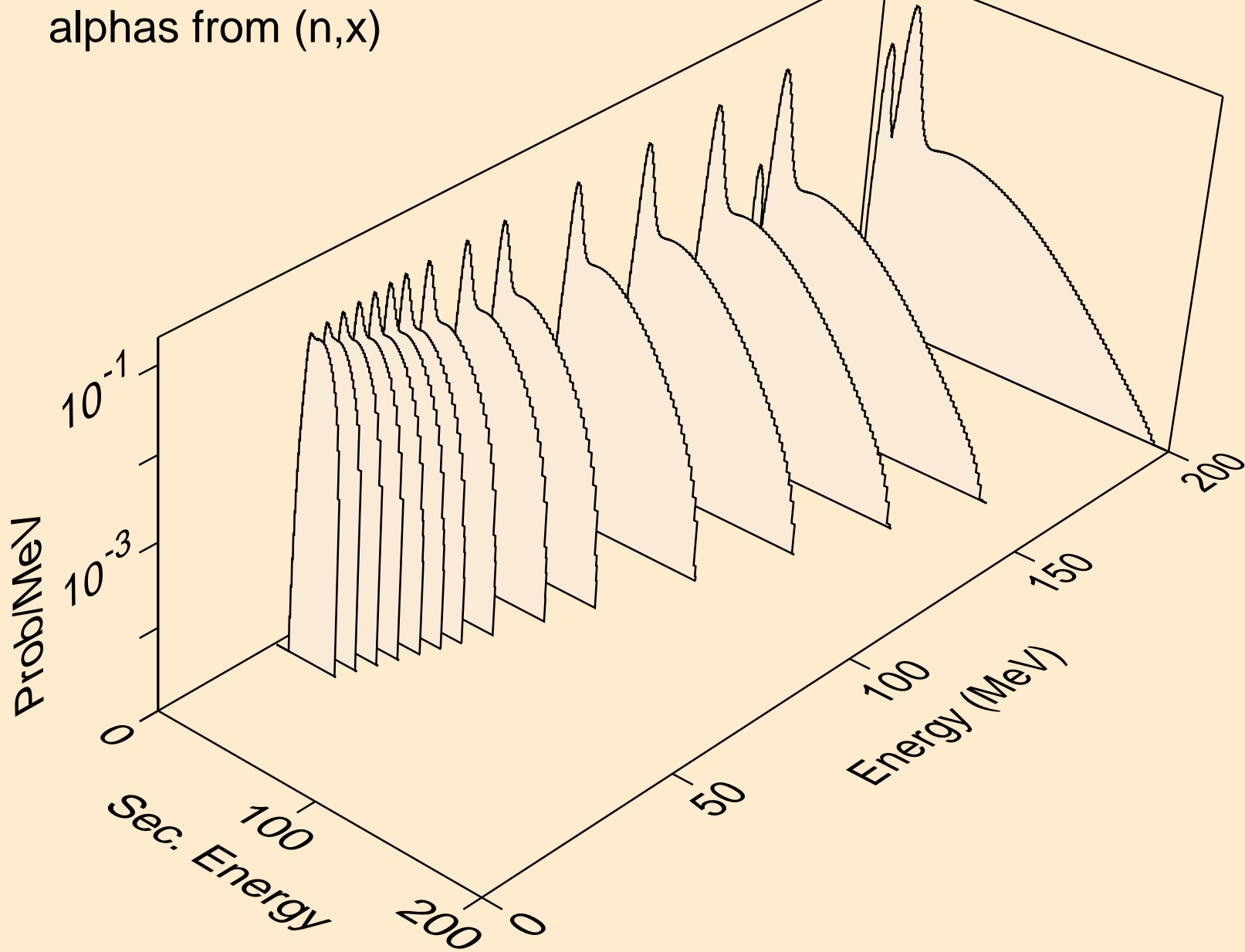




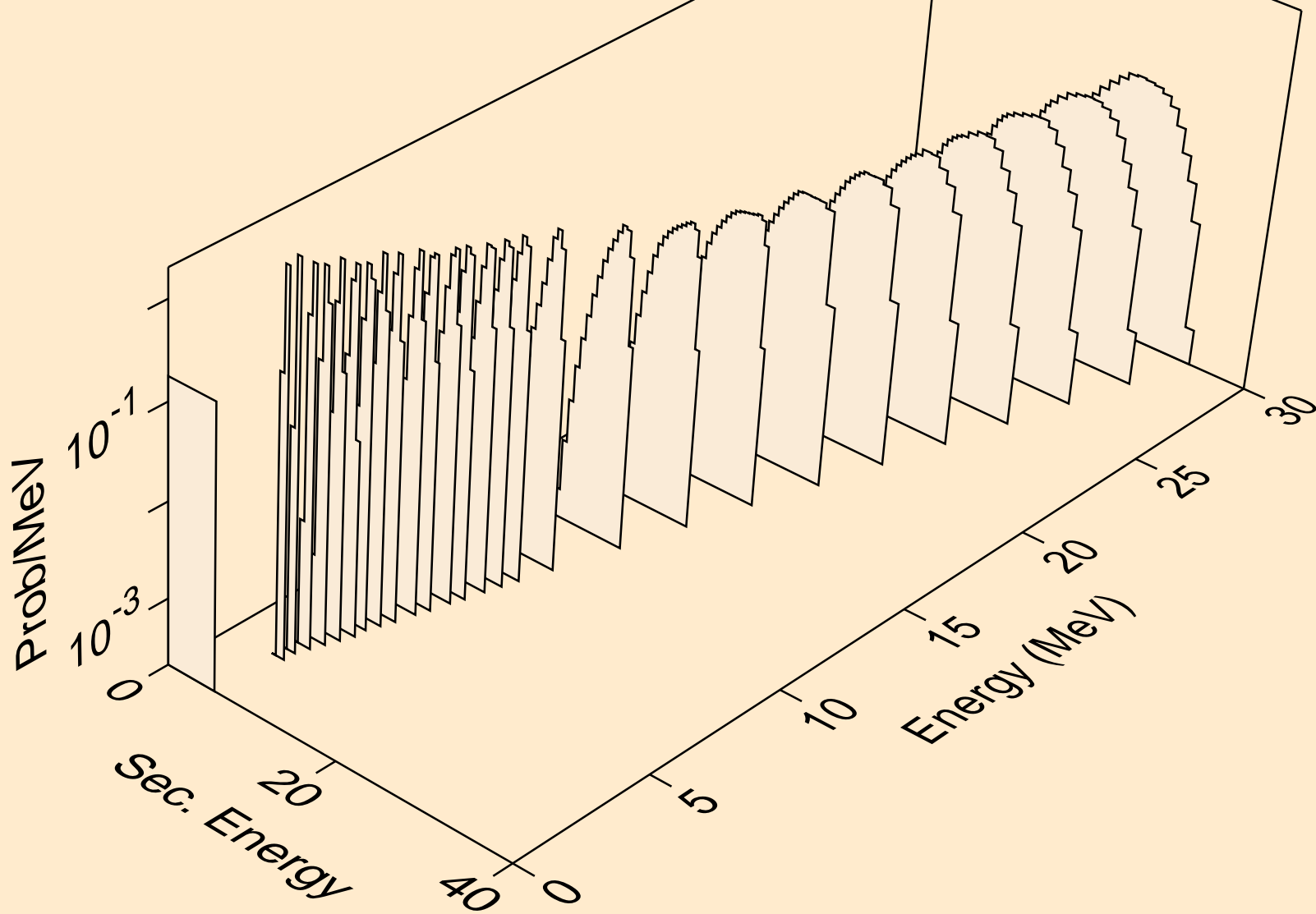
HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,he3)



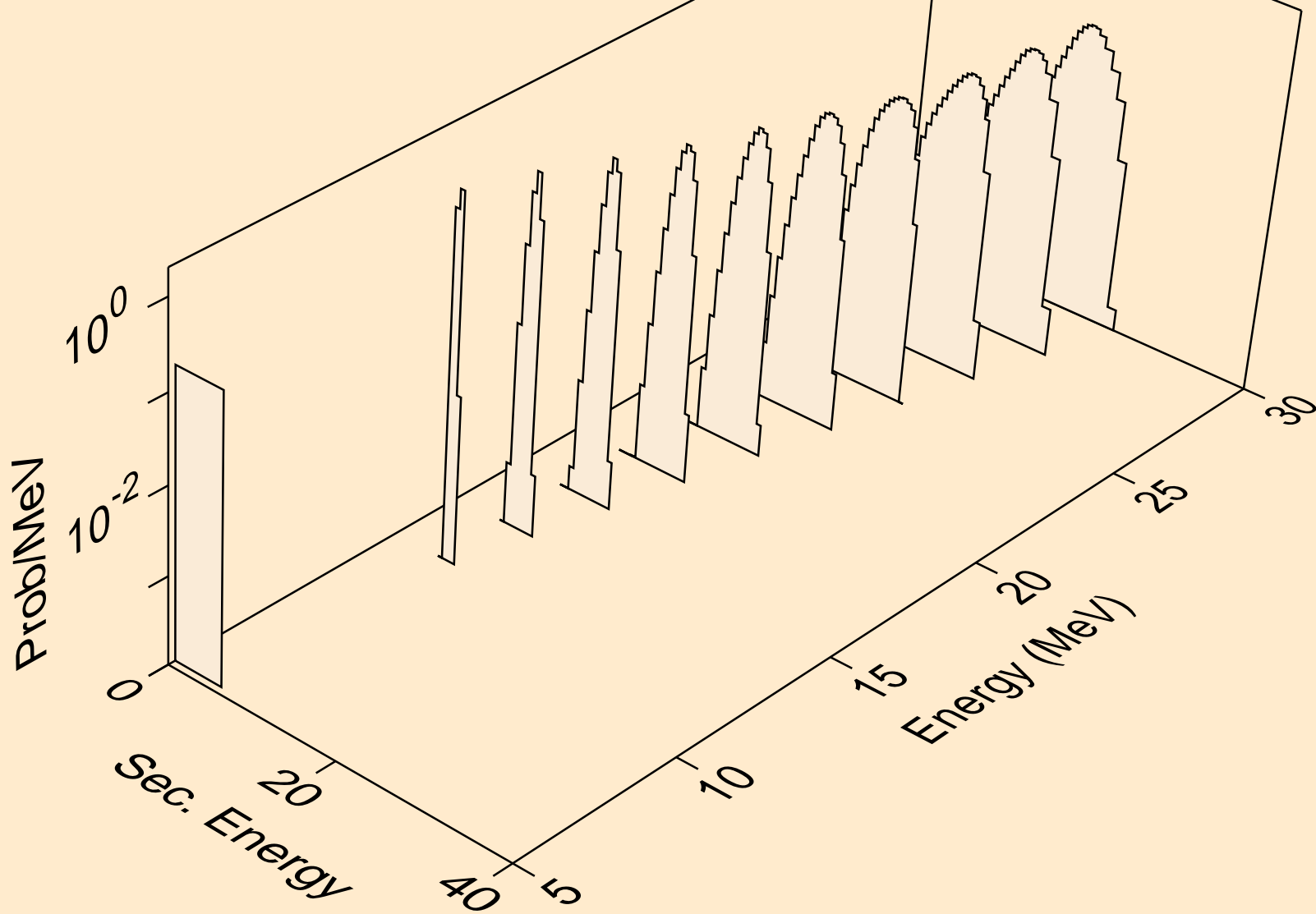
HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,x)



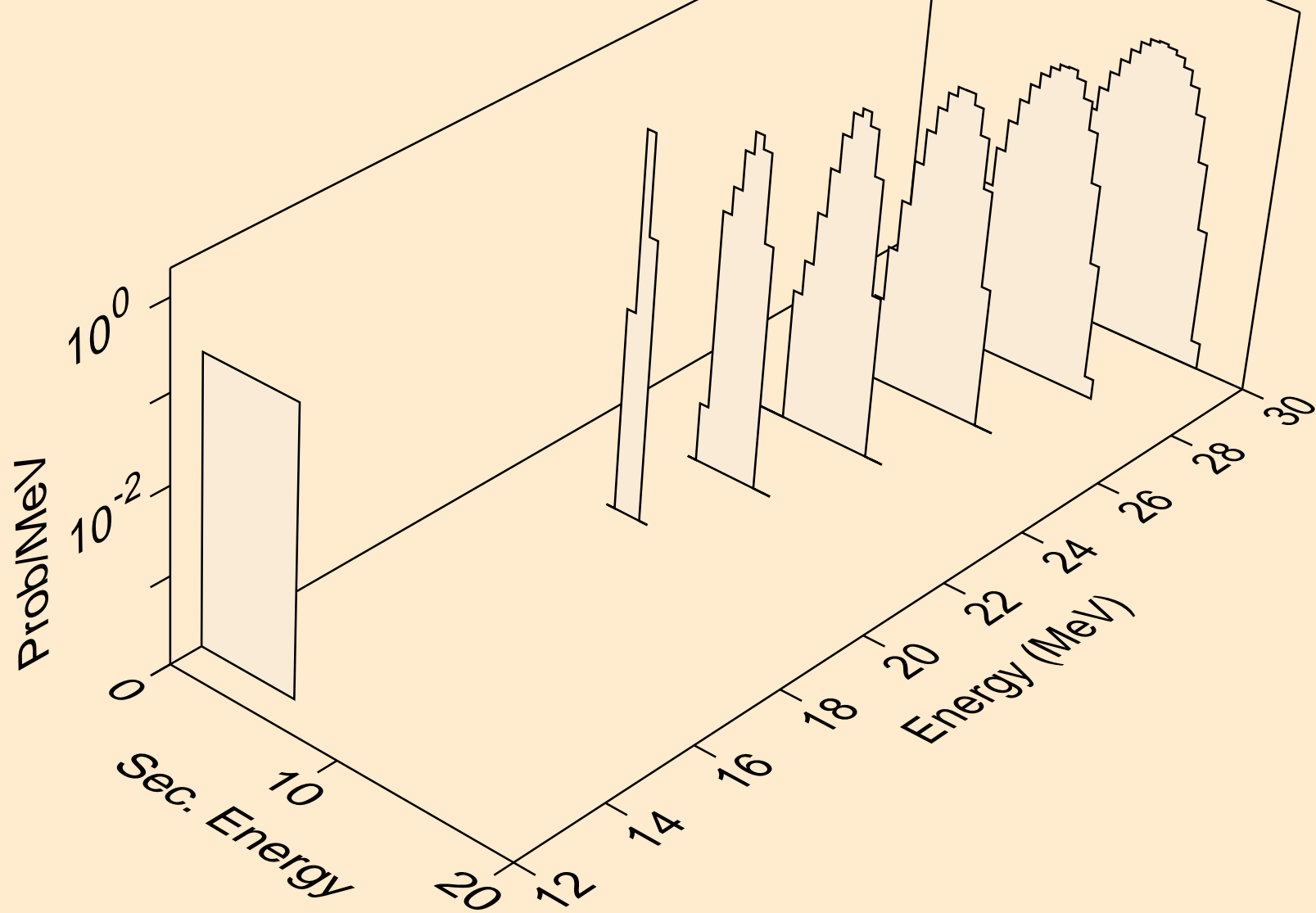
HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)a



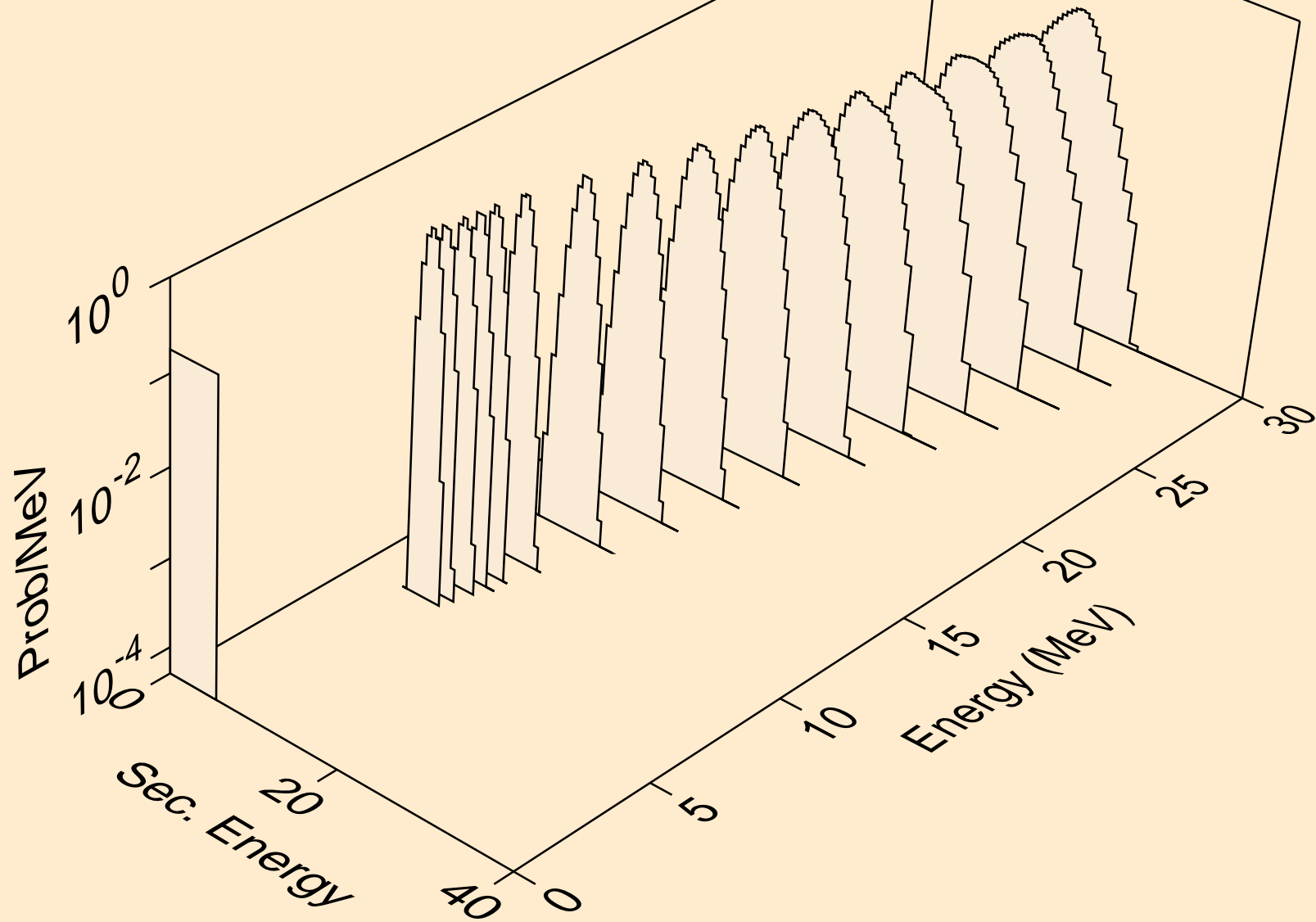
HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2n)a



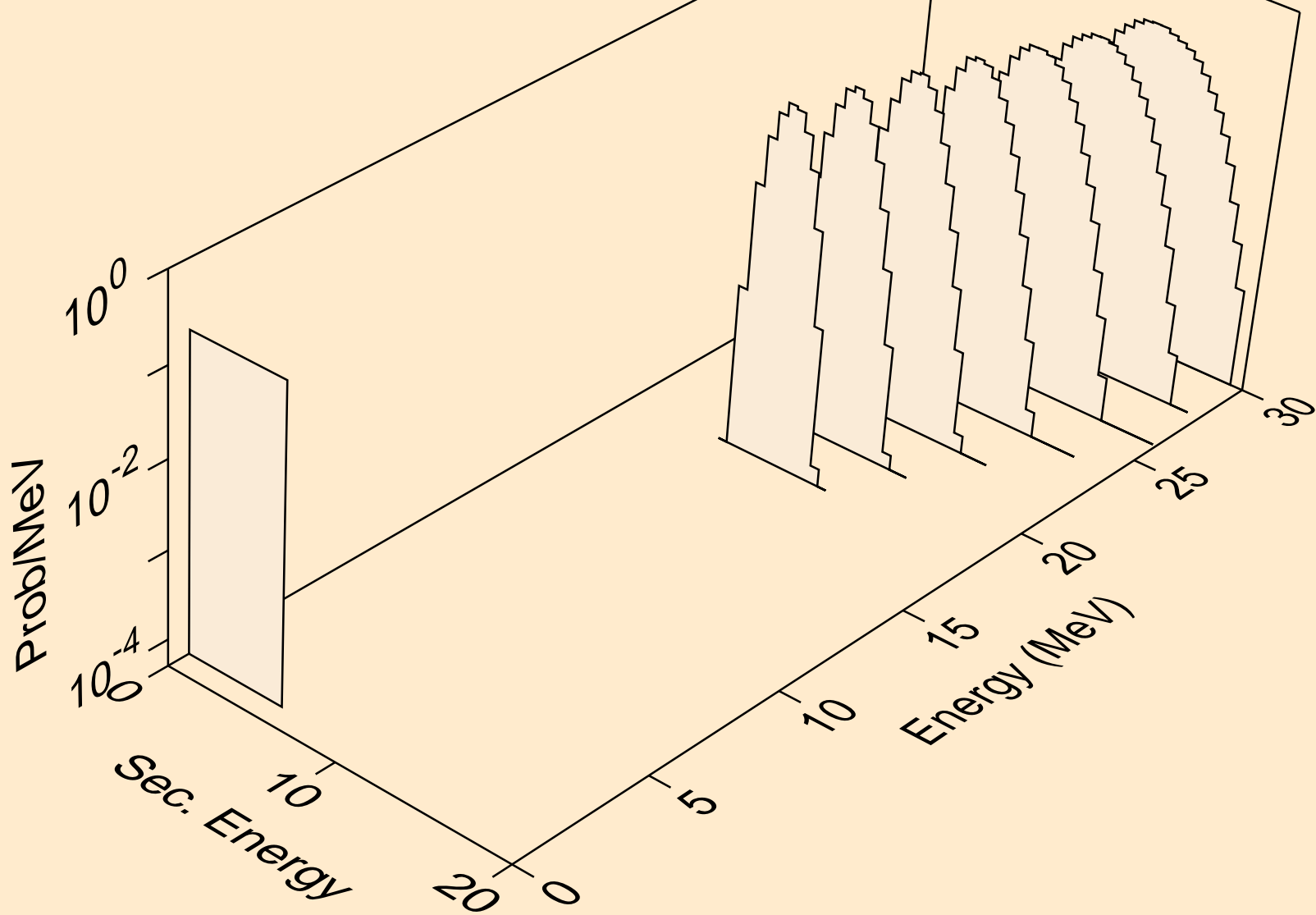
HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,3n)a



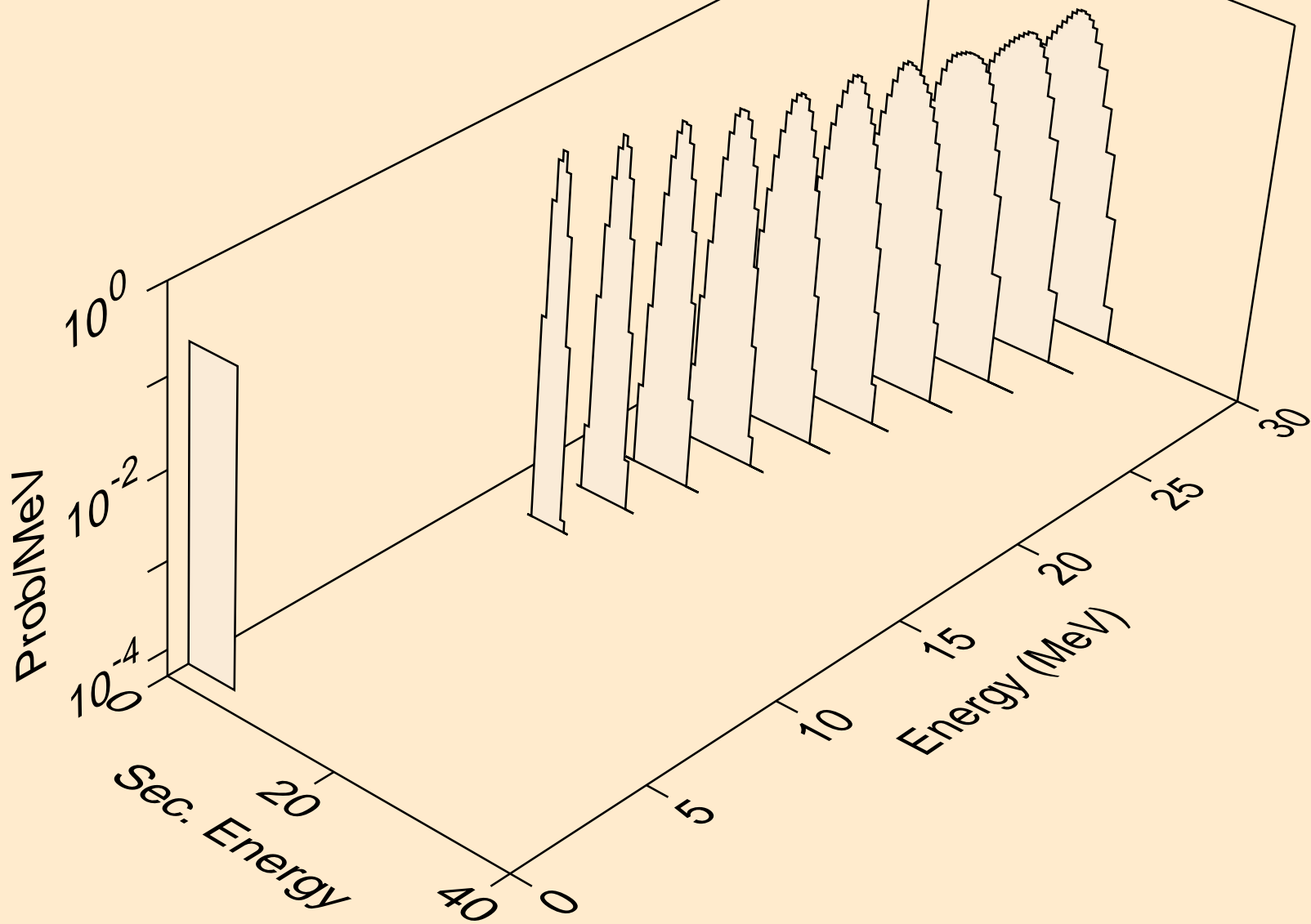
HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)2a



HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2n)2a

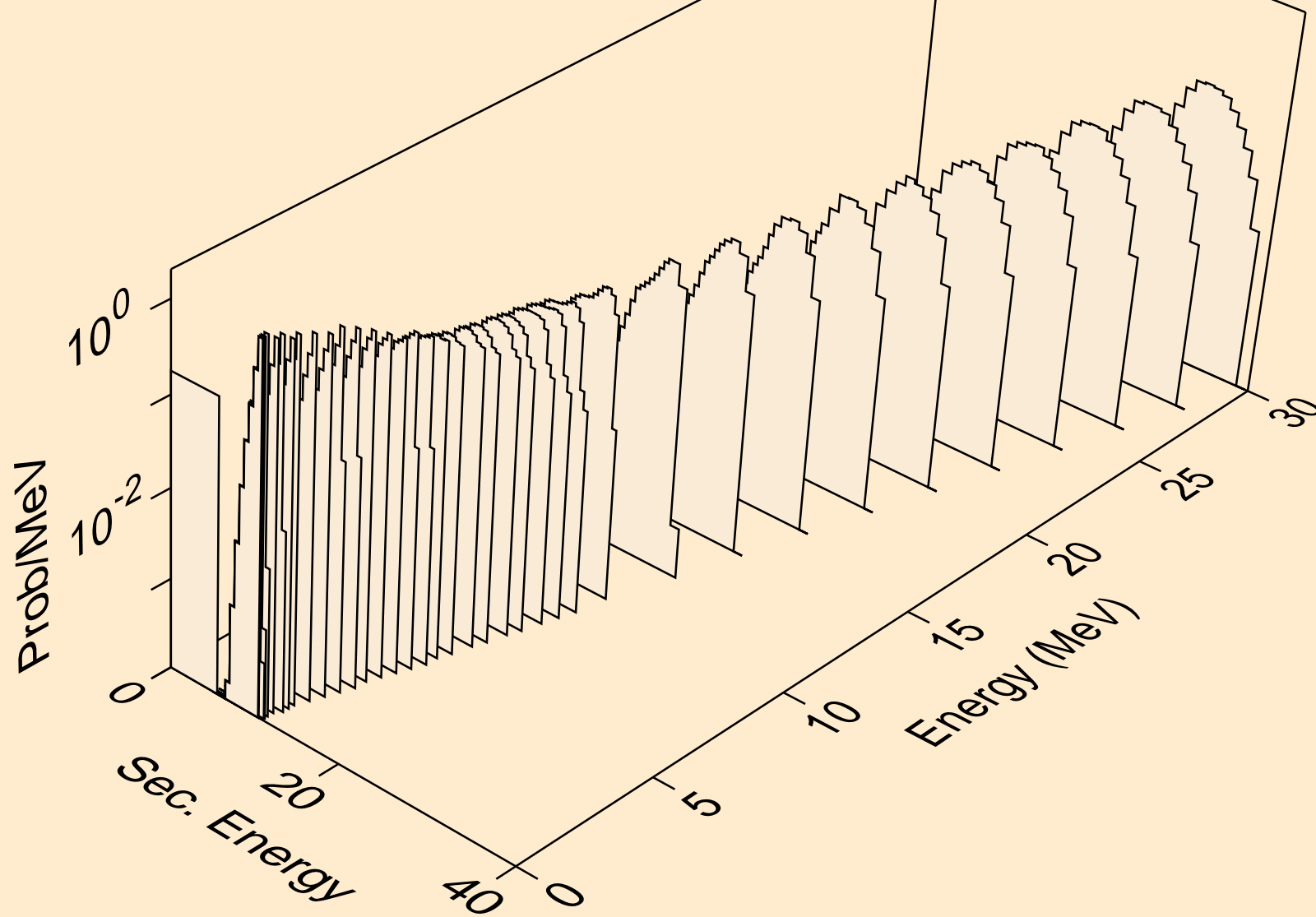


HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,npa)

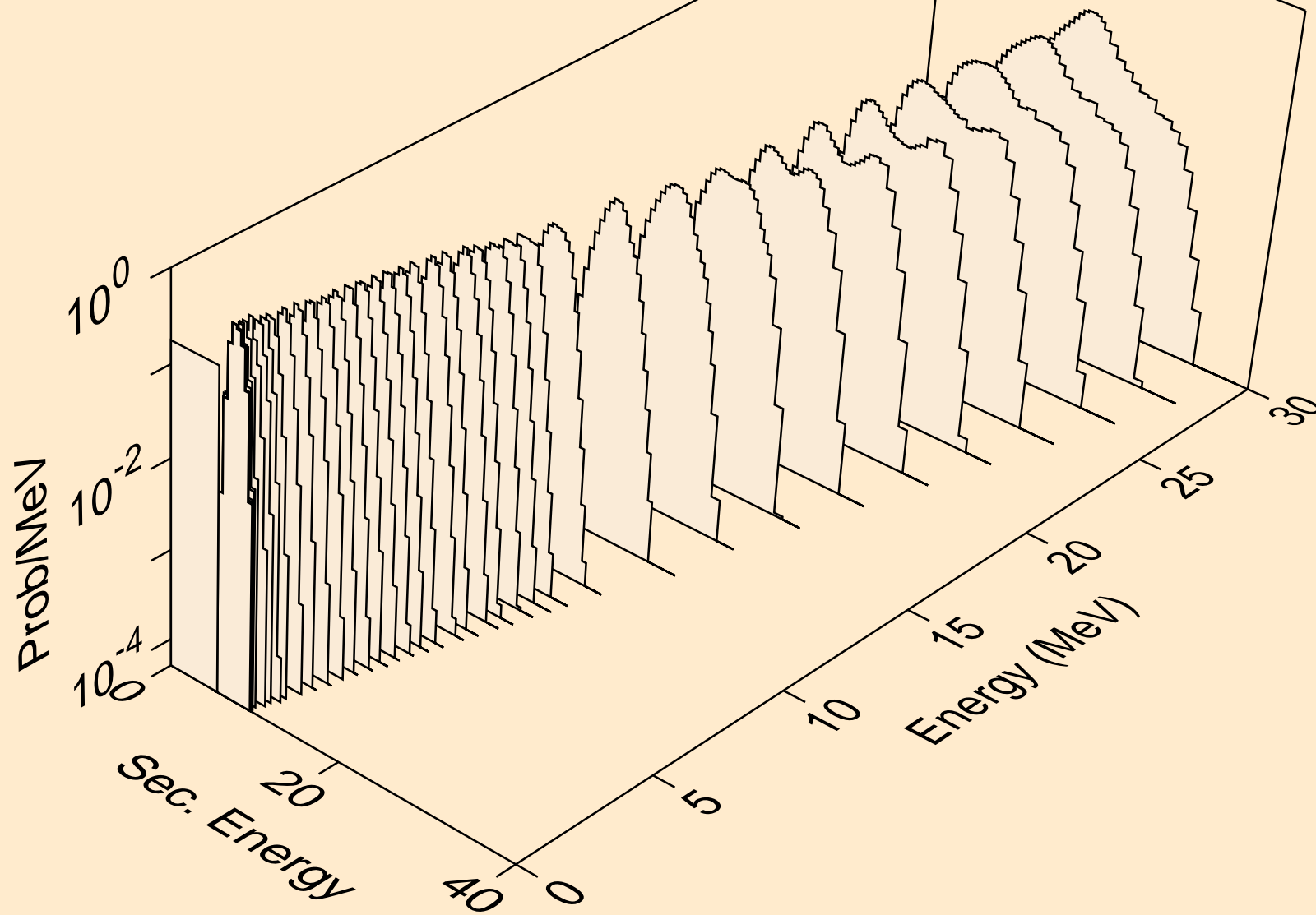




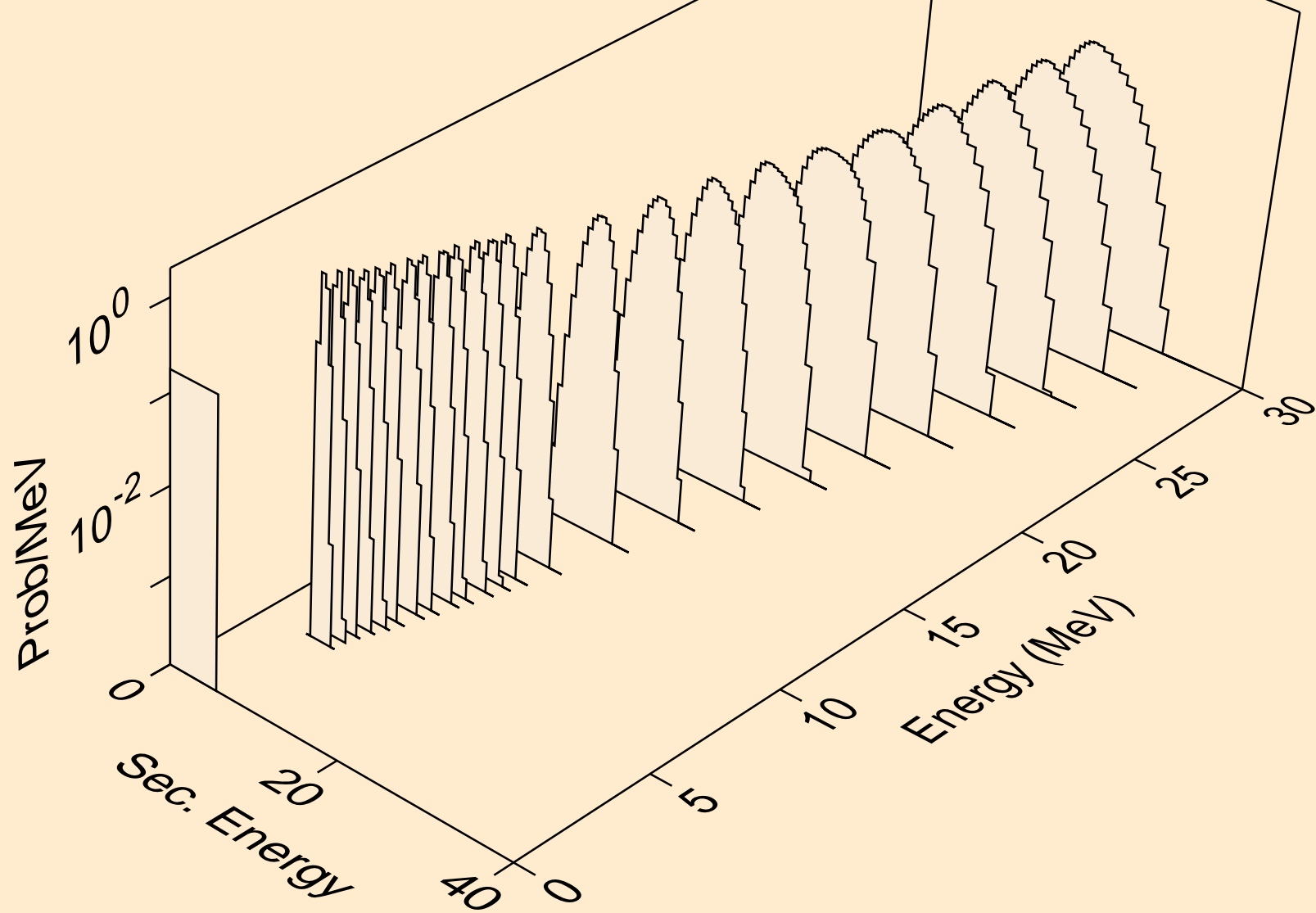
HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,a)



HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2a)



HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,pa)



HG190 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,da)

