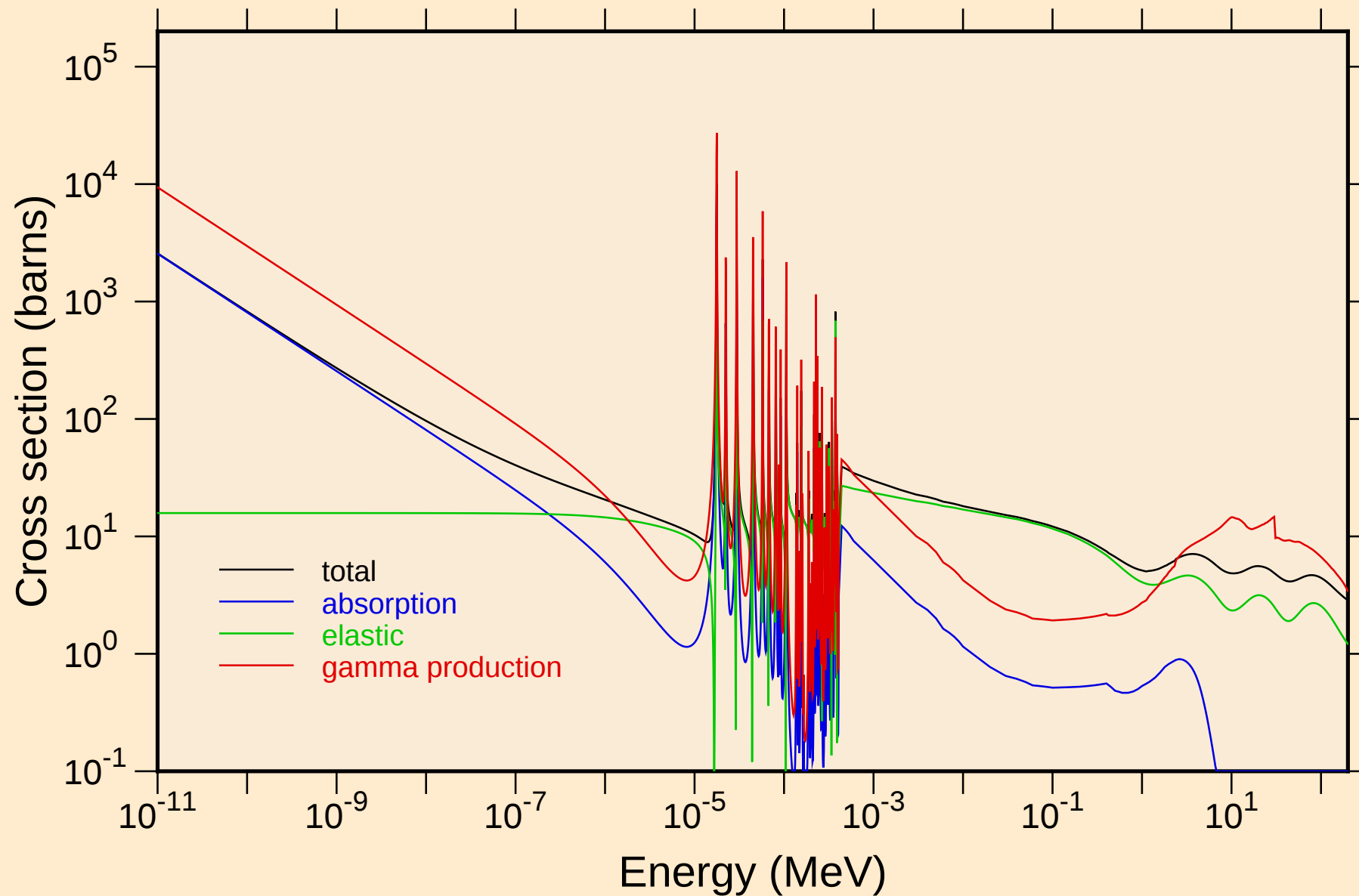
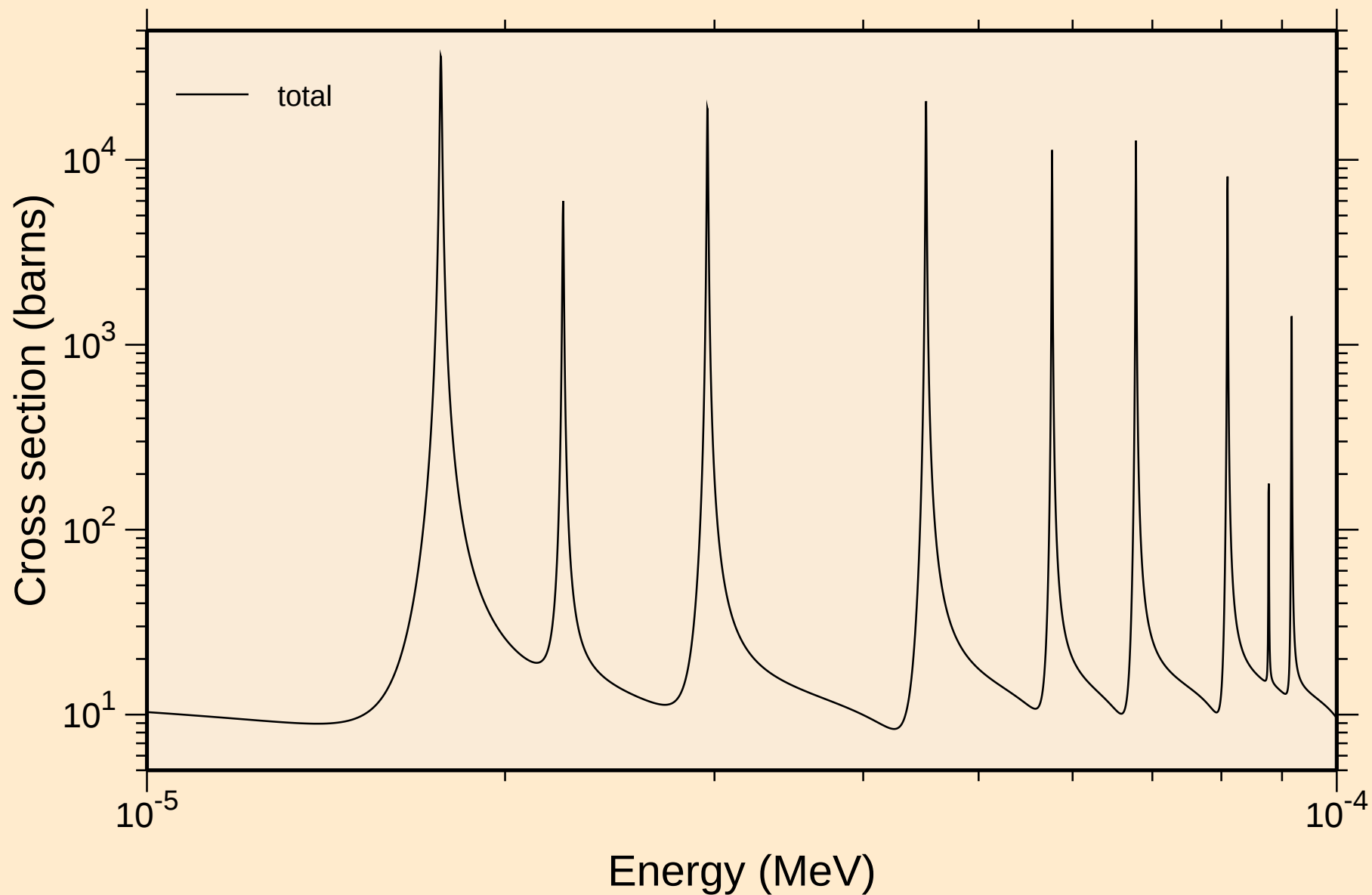


# HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

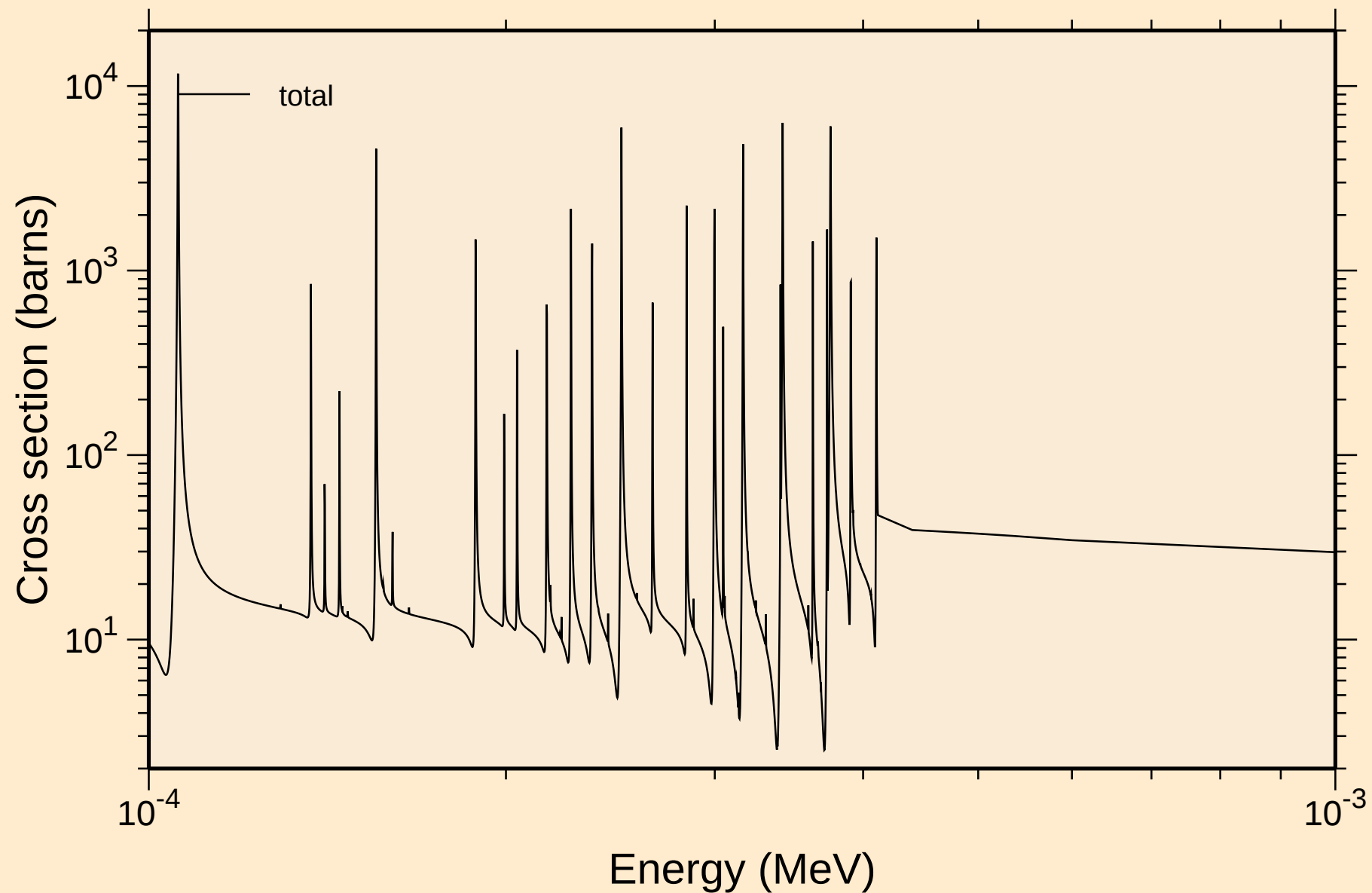
## Principal cross sections



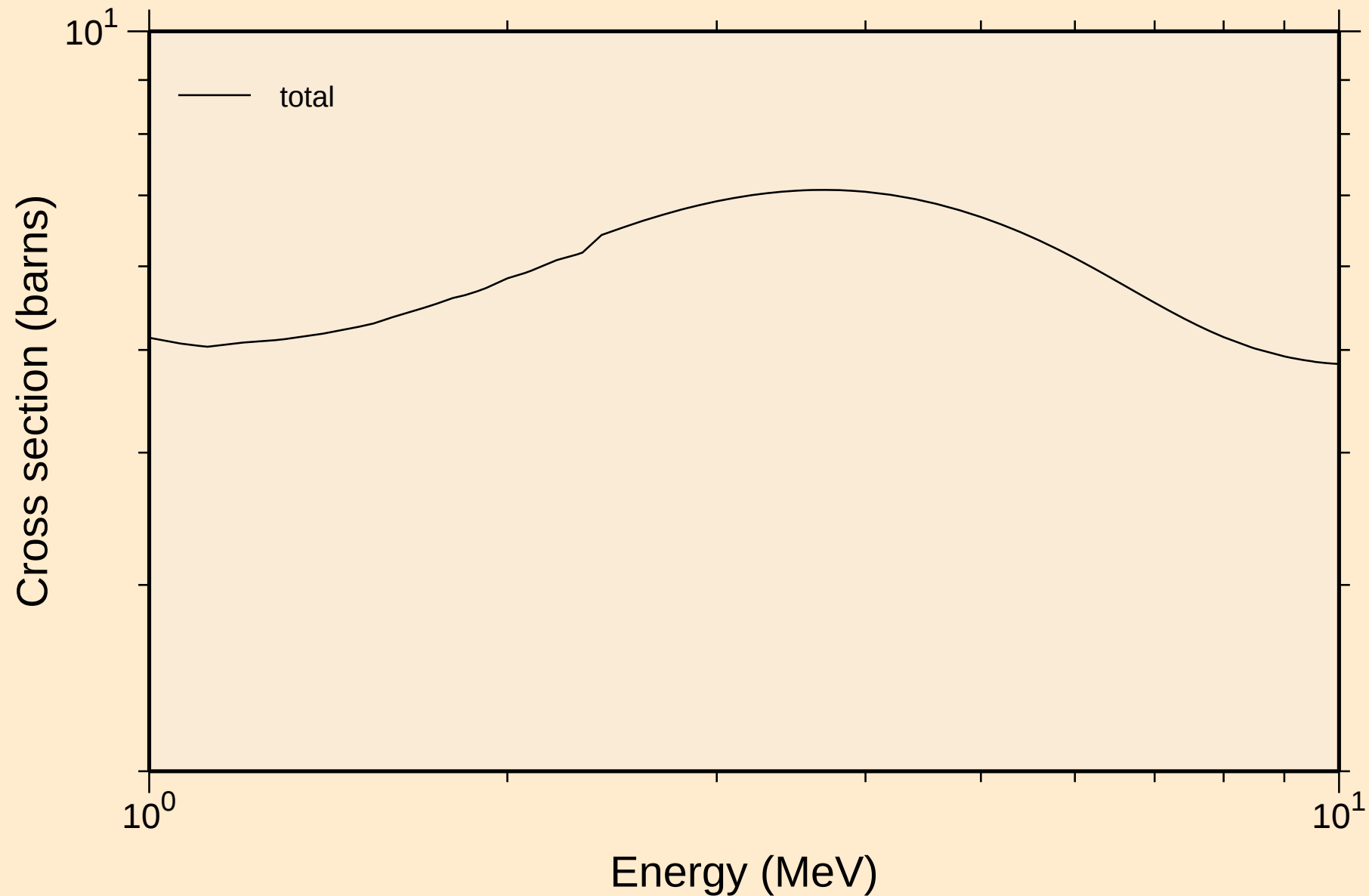
HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



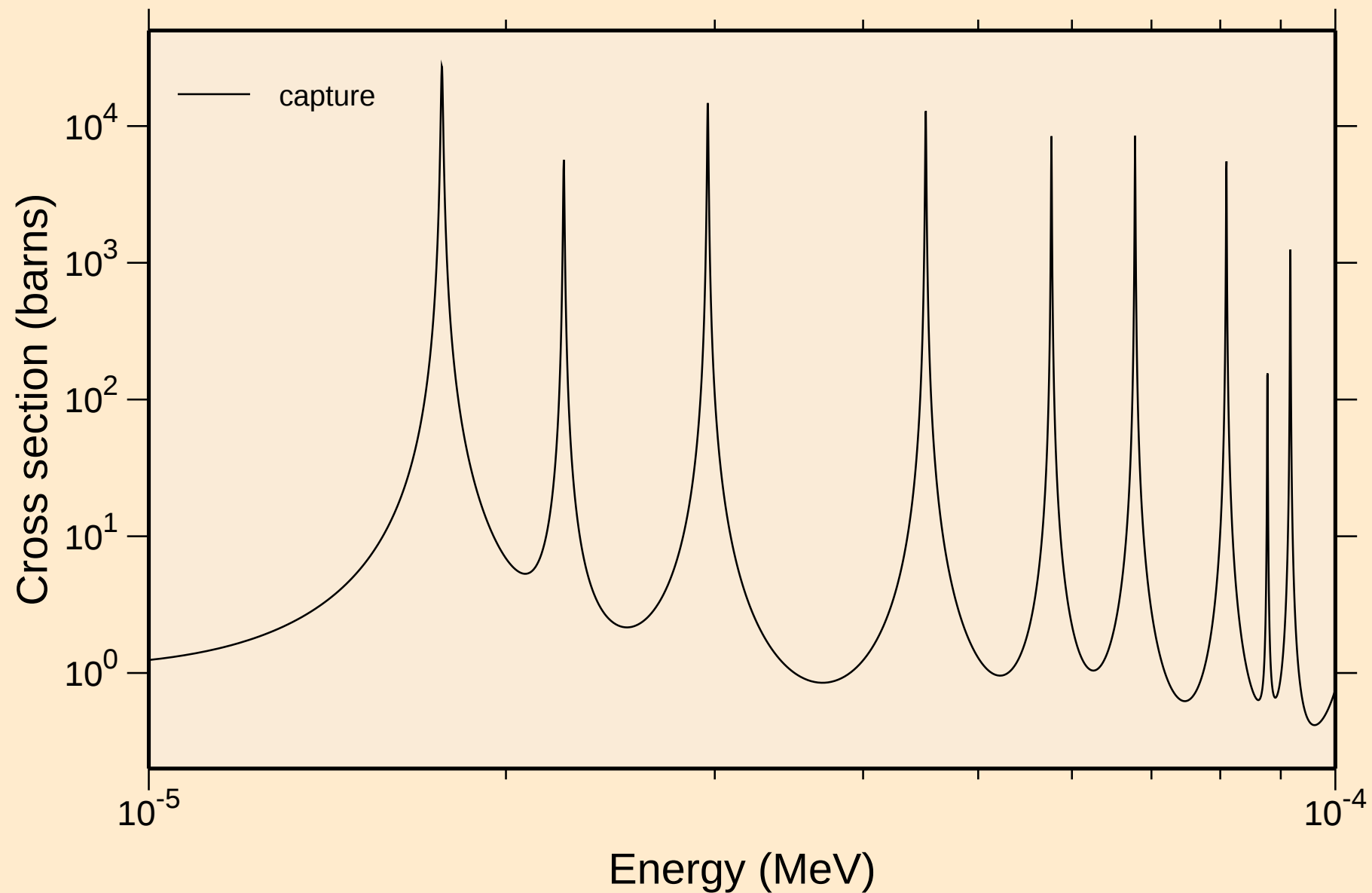
HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



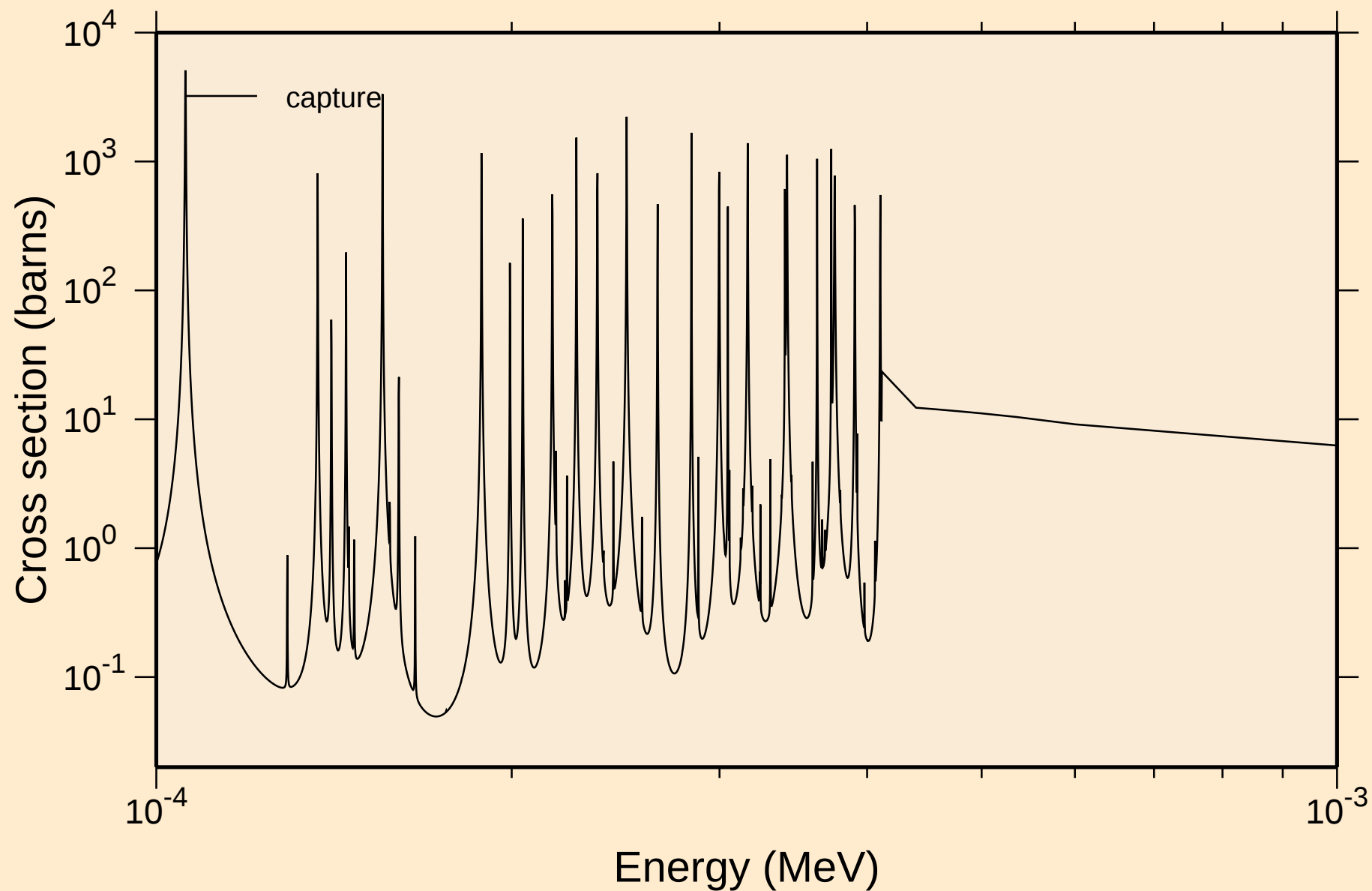
HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



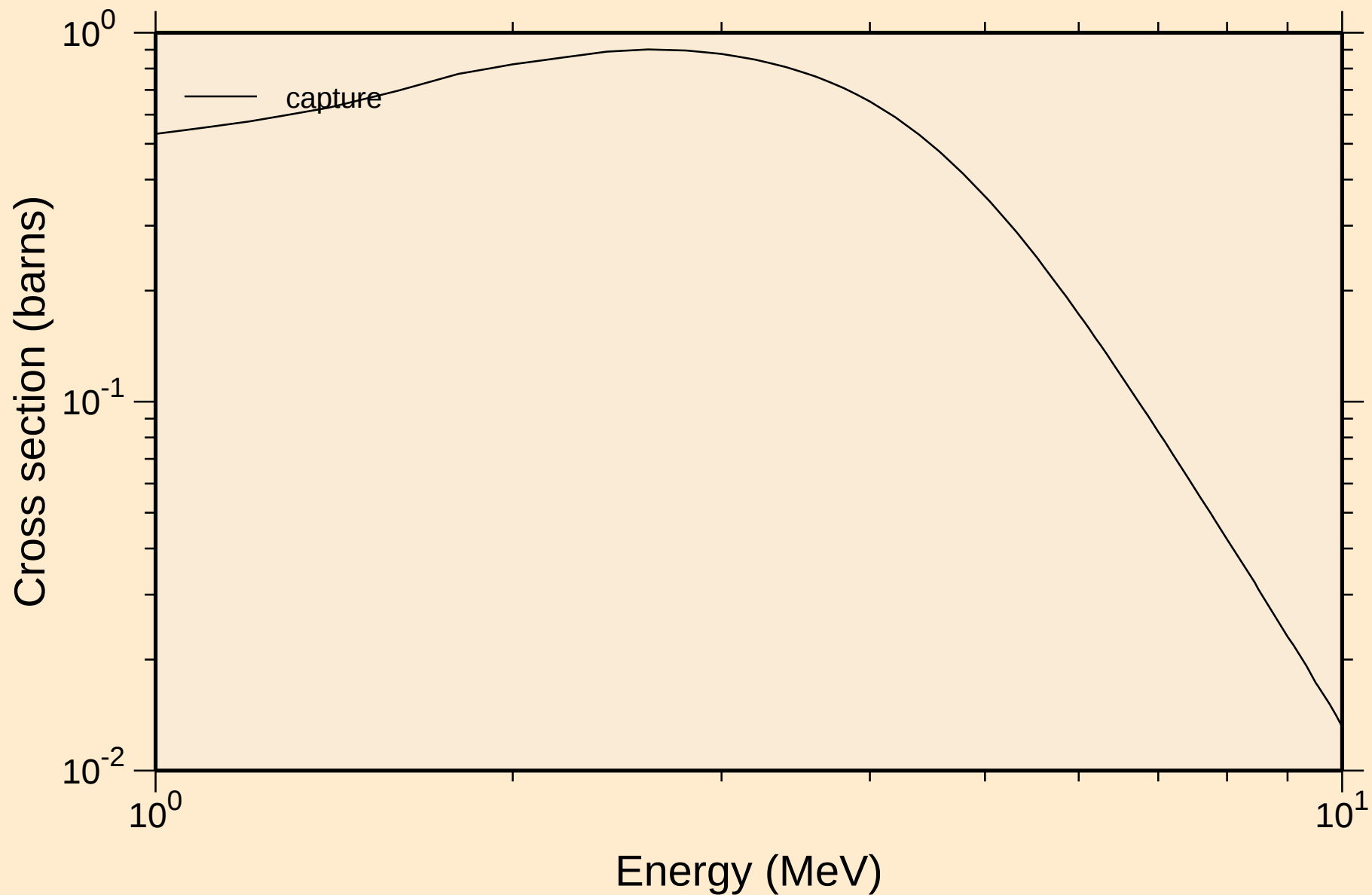
HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

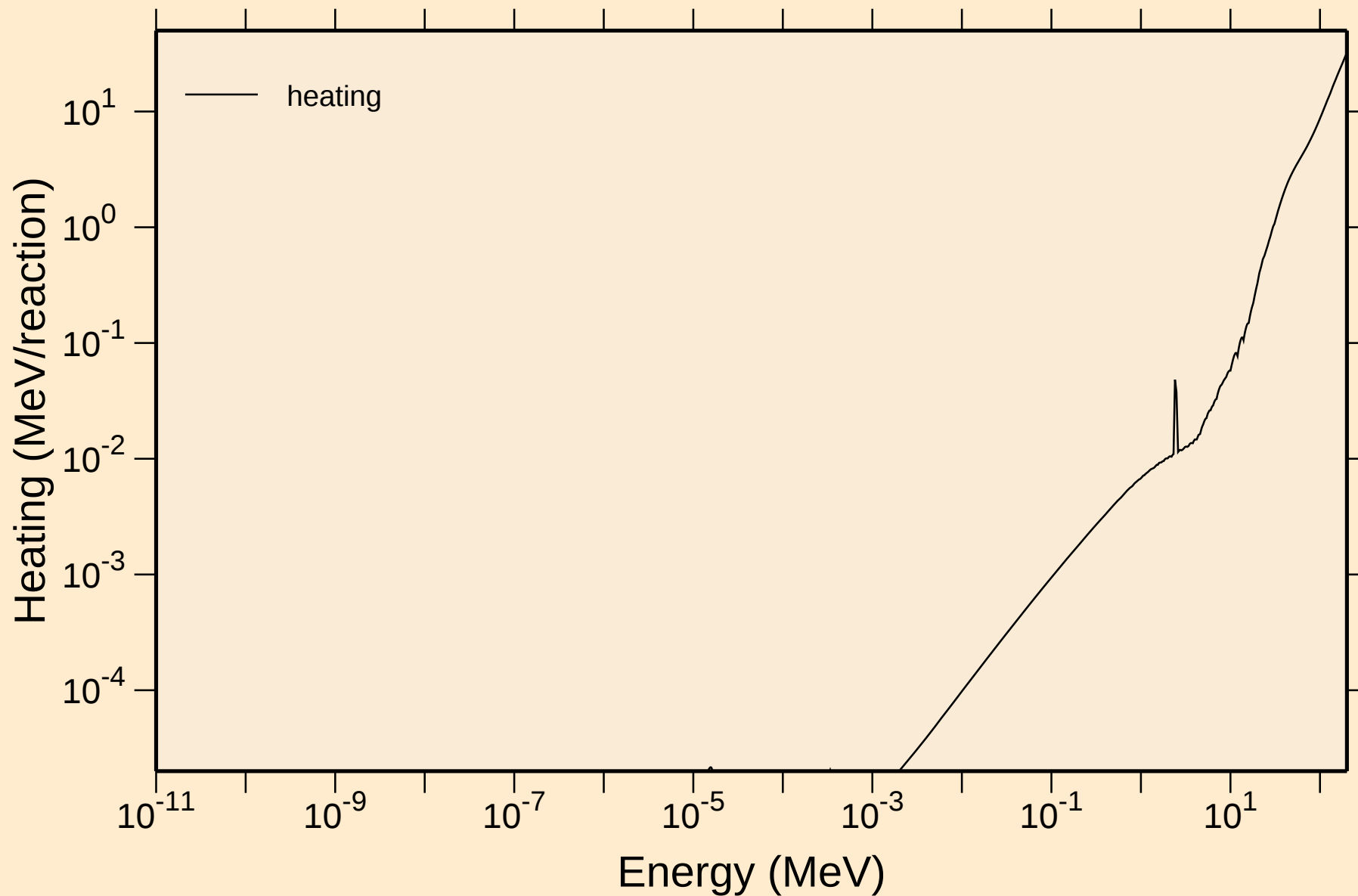


HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



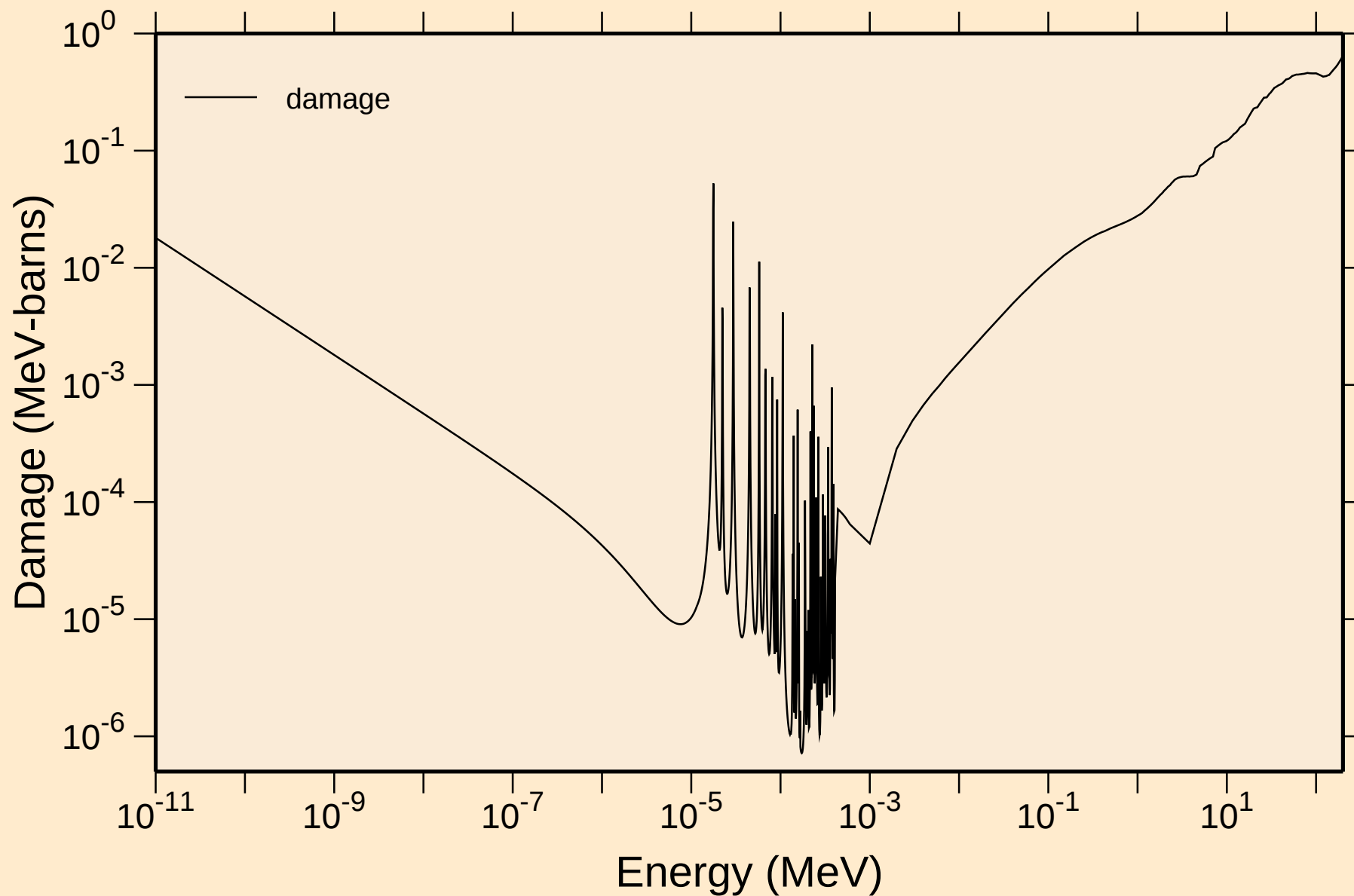
# HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Heating



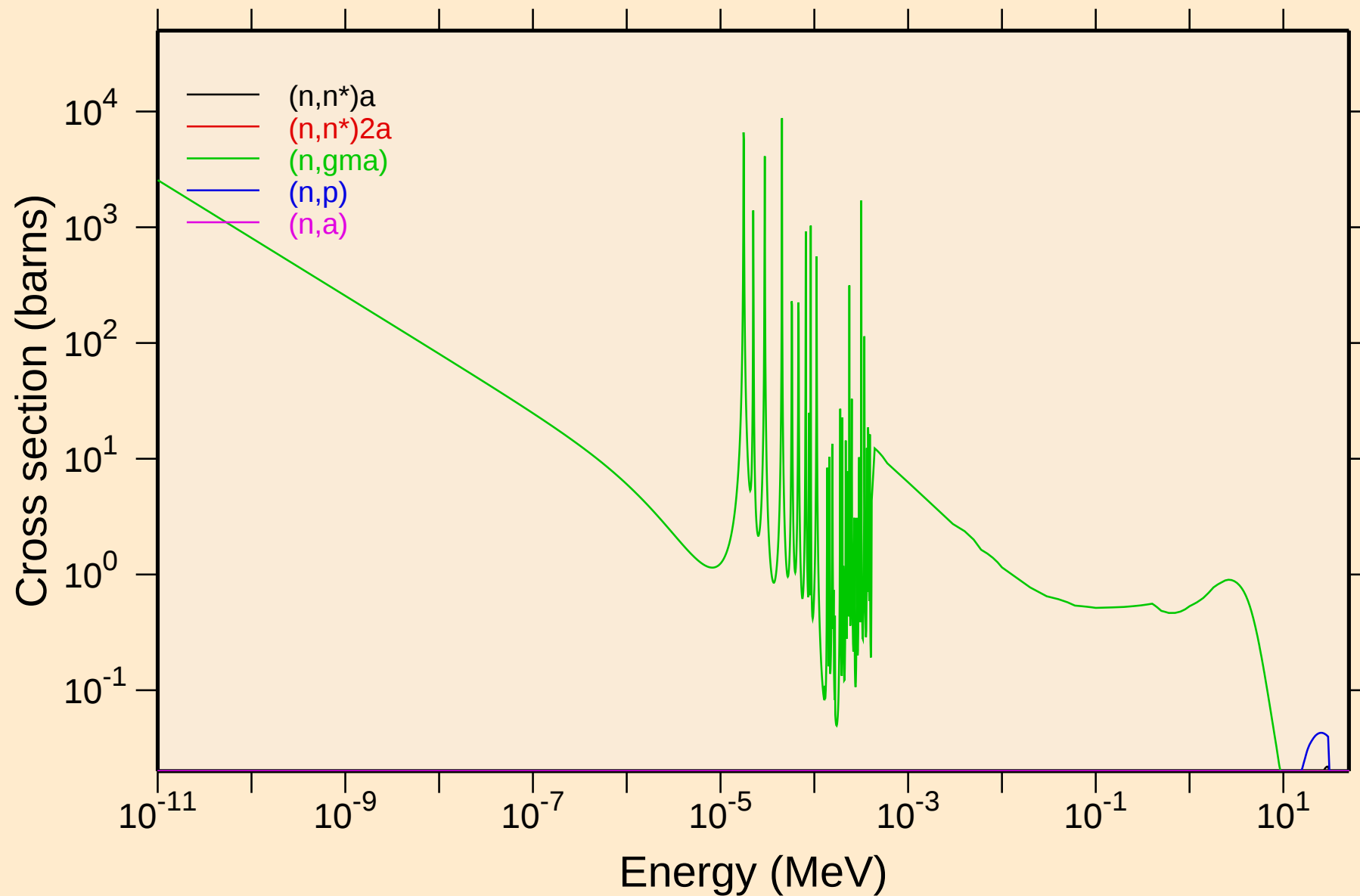
# HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Damage

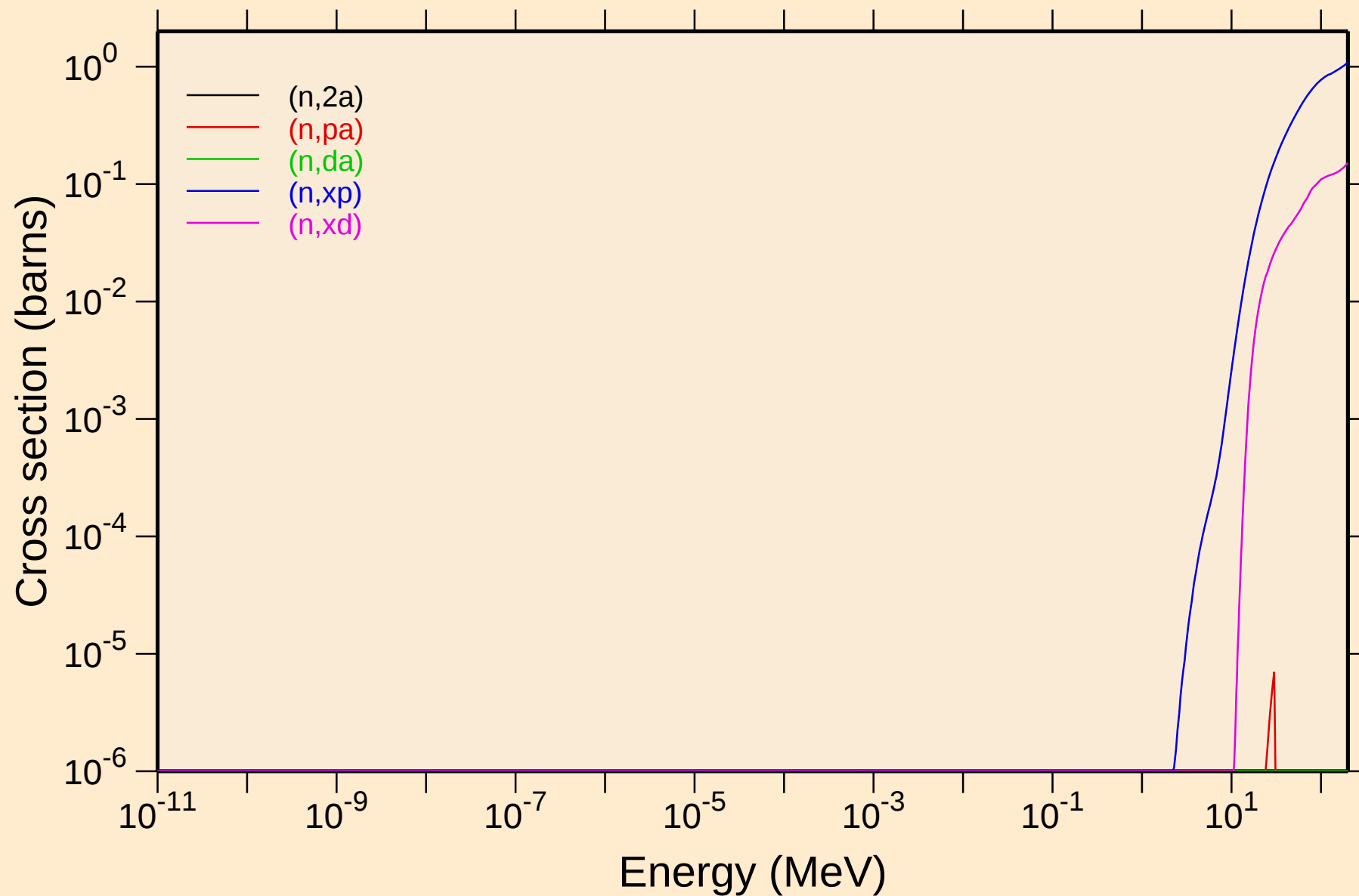


# HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

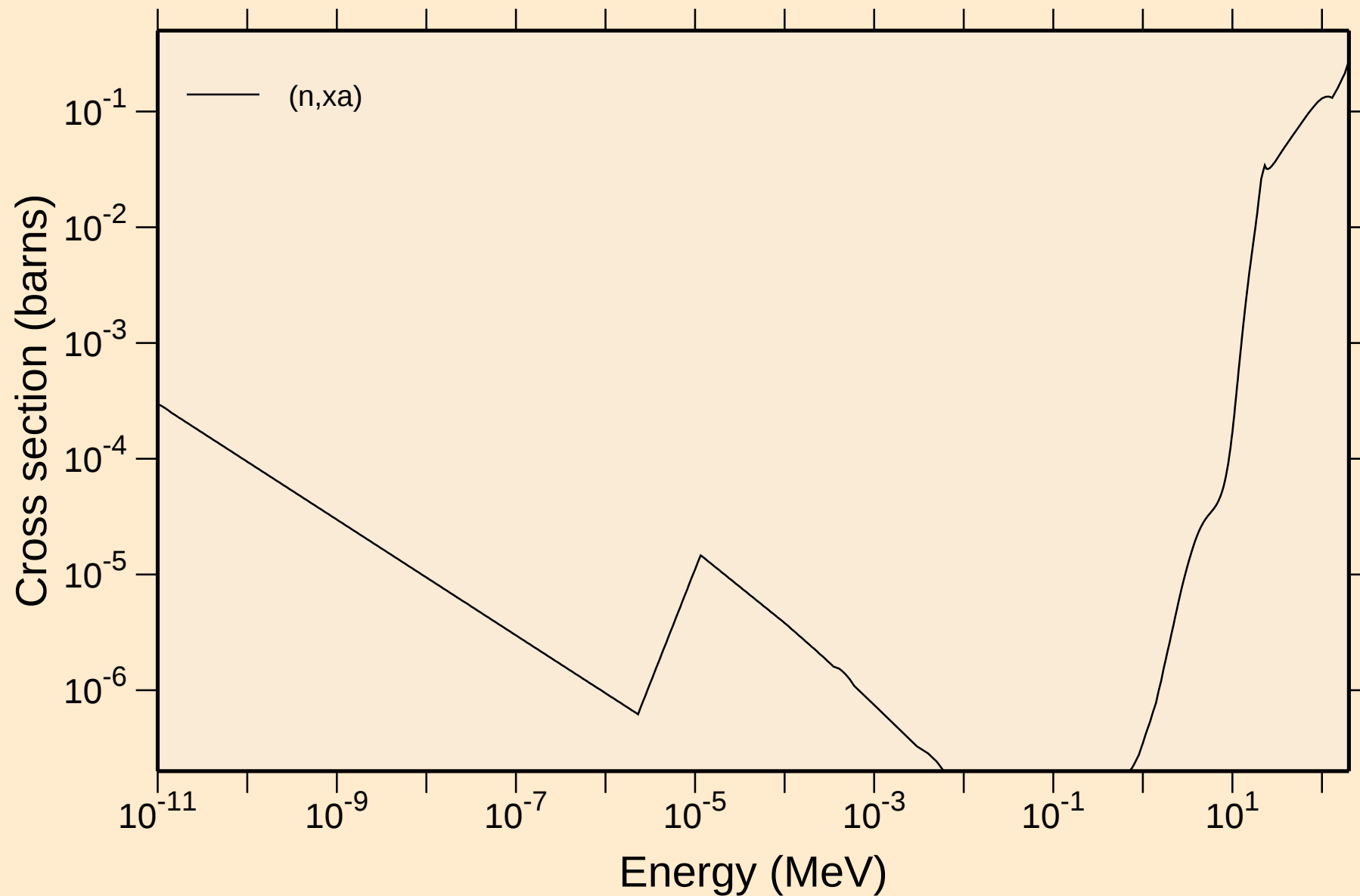
## Non-threshold reactions



HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

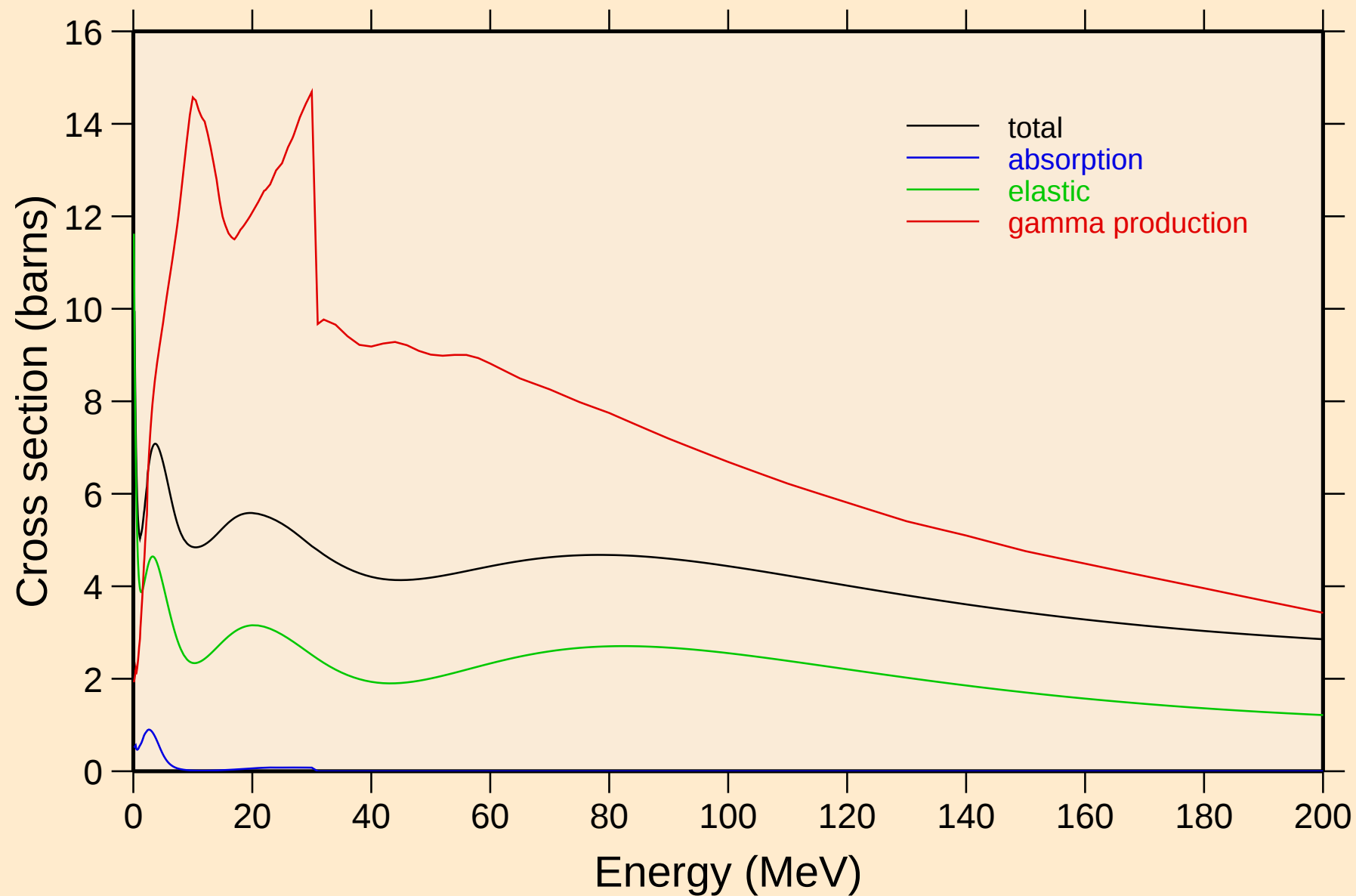


HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



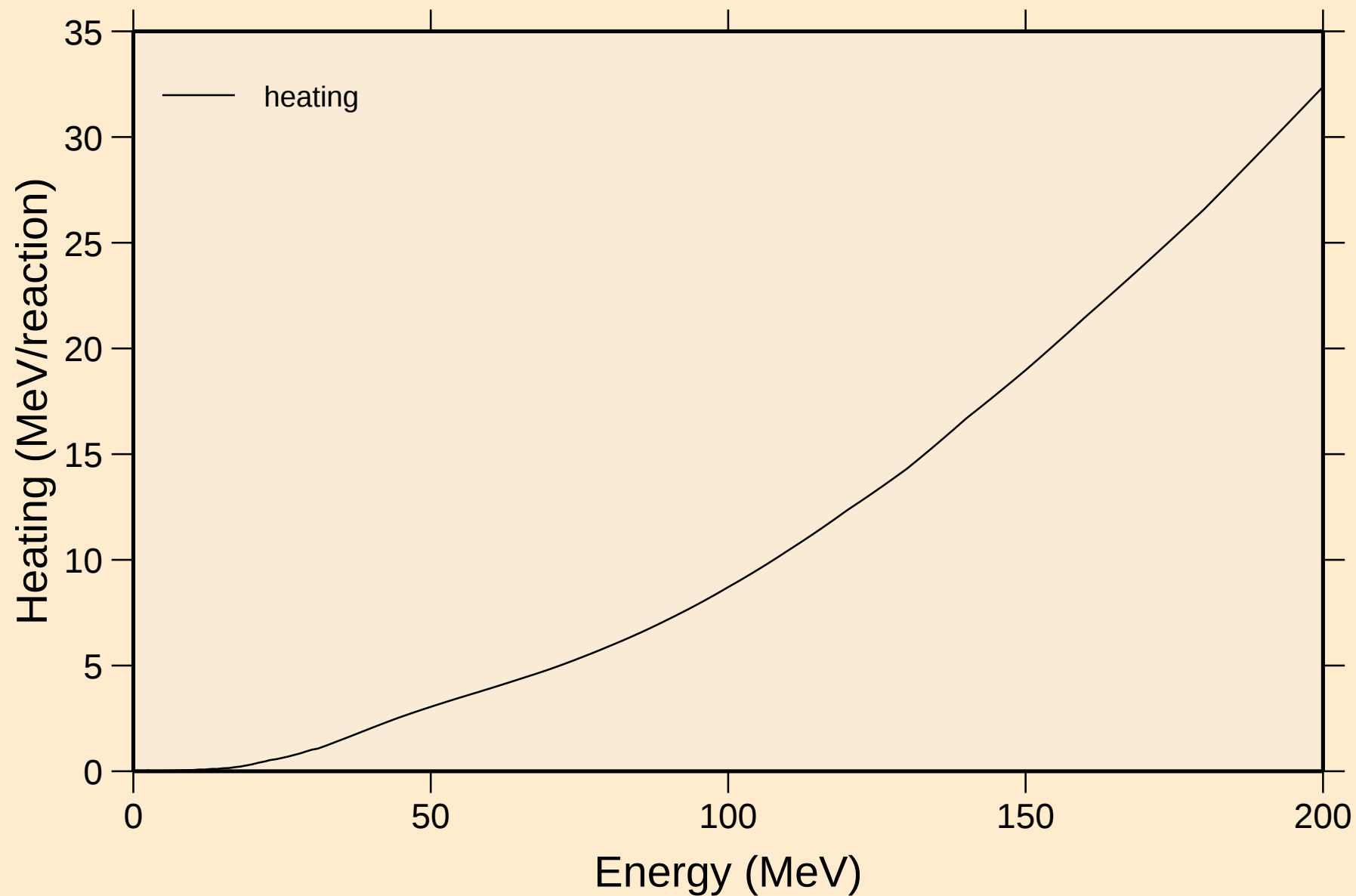
# HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



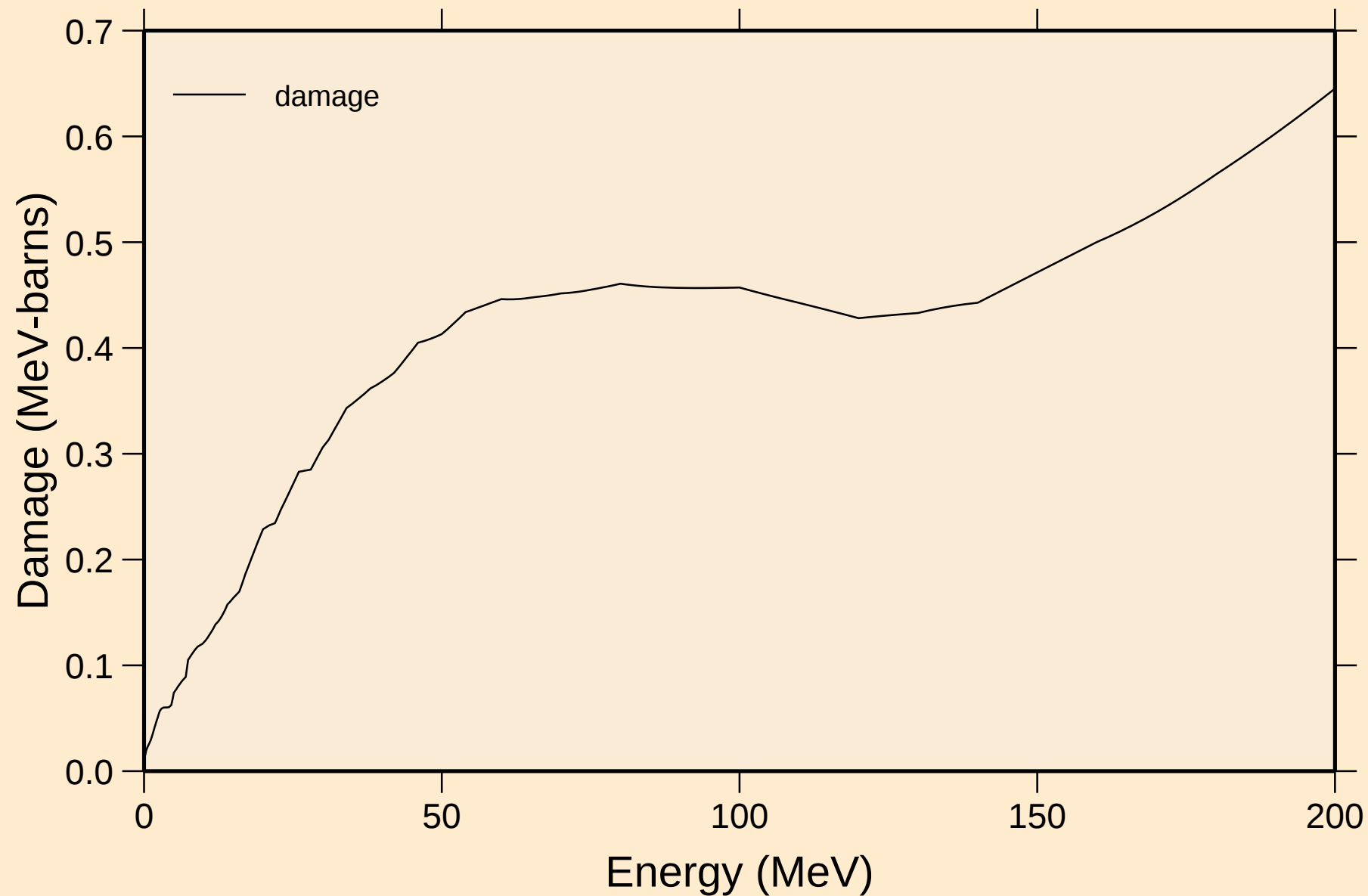
# HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Heating



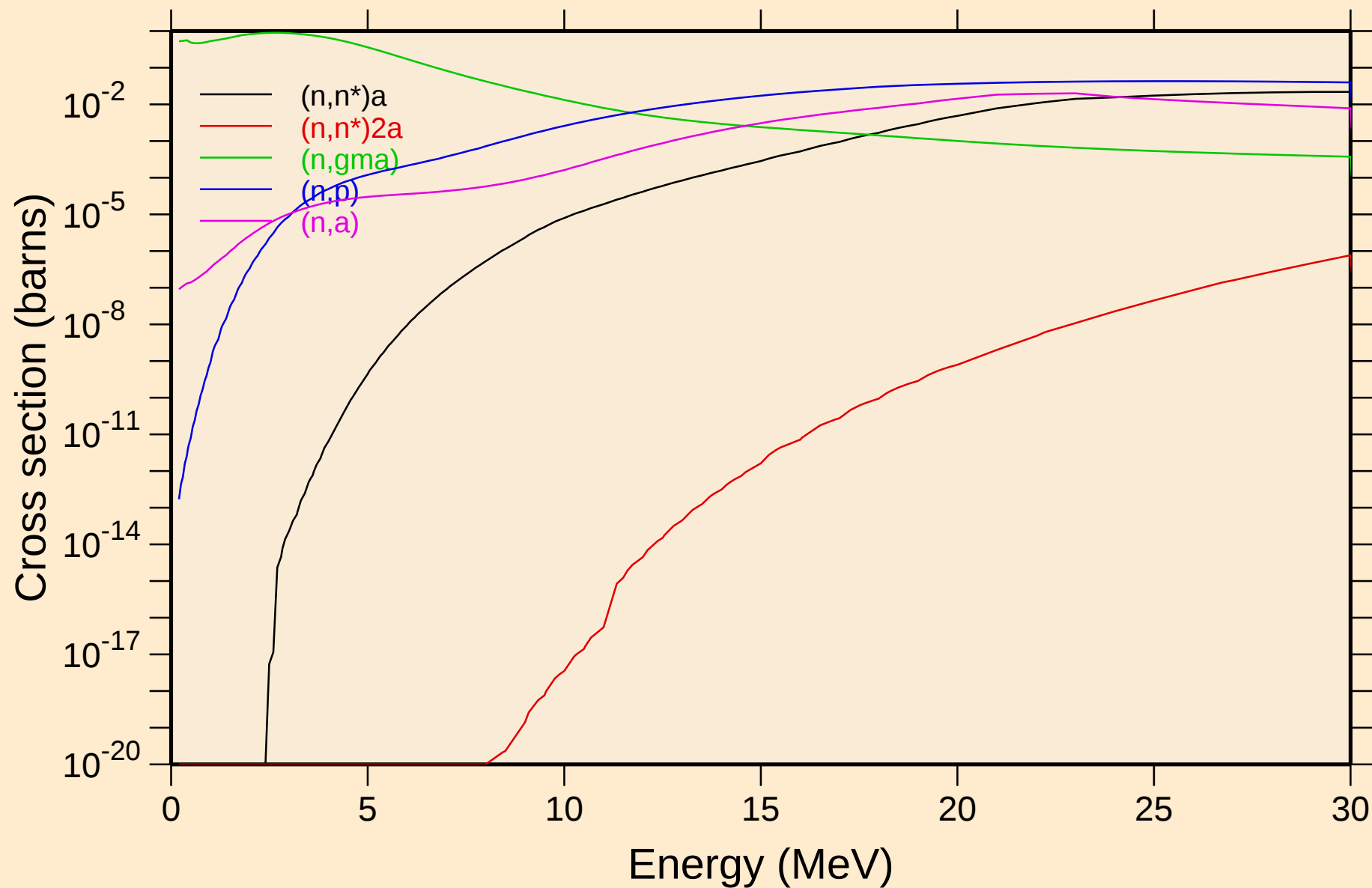
# HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Damage



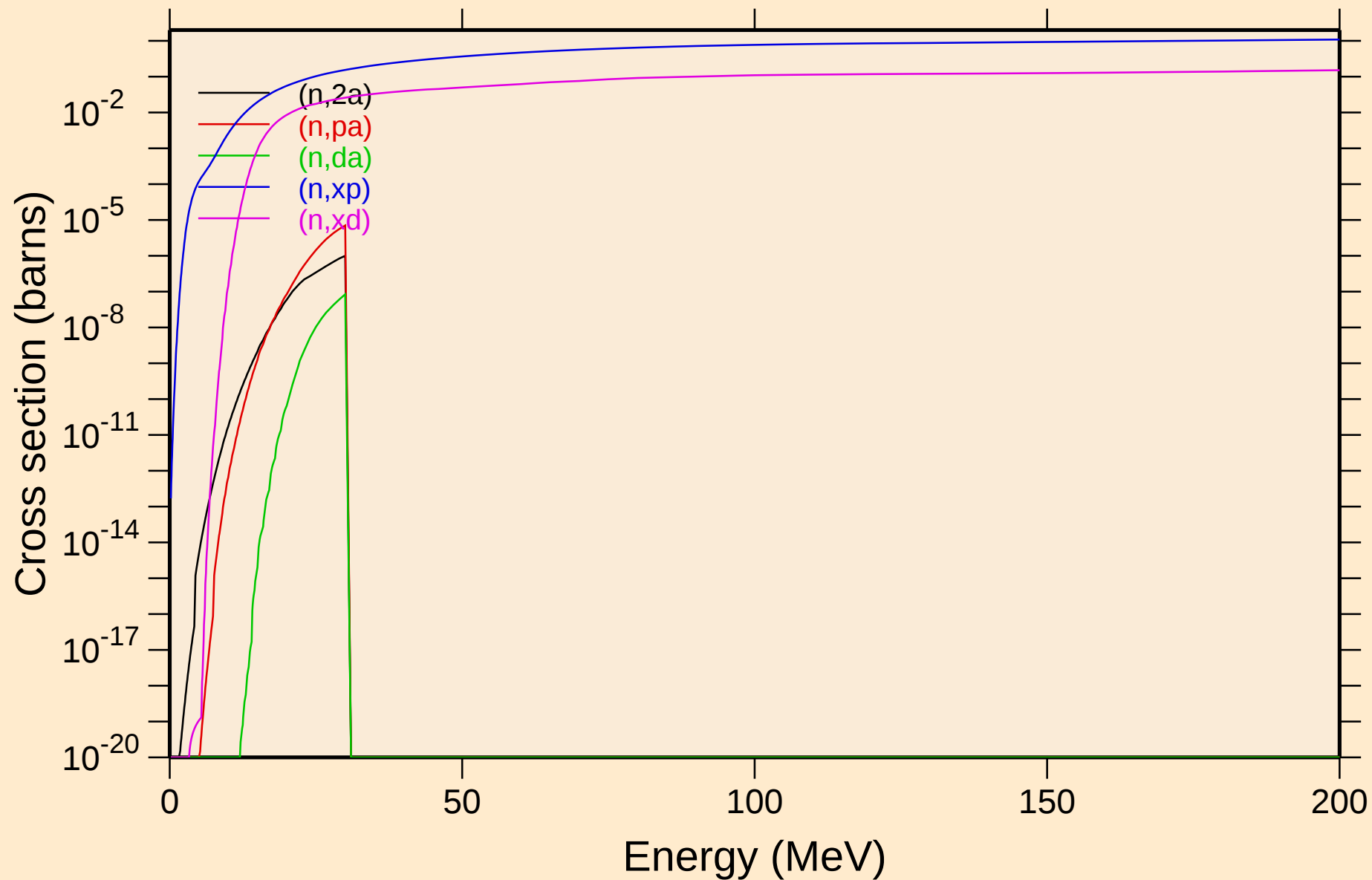
# HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Non-threshold reactions

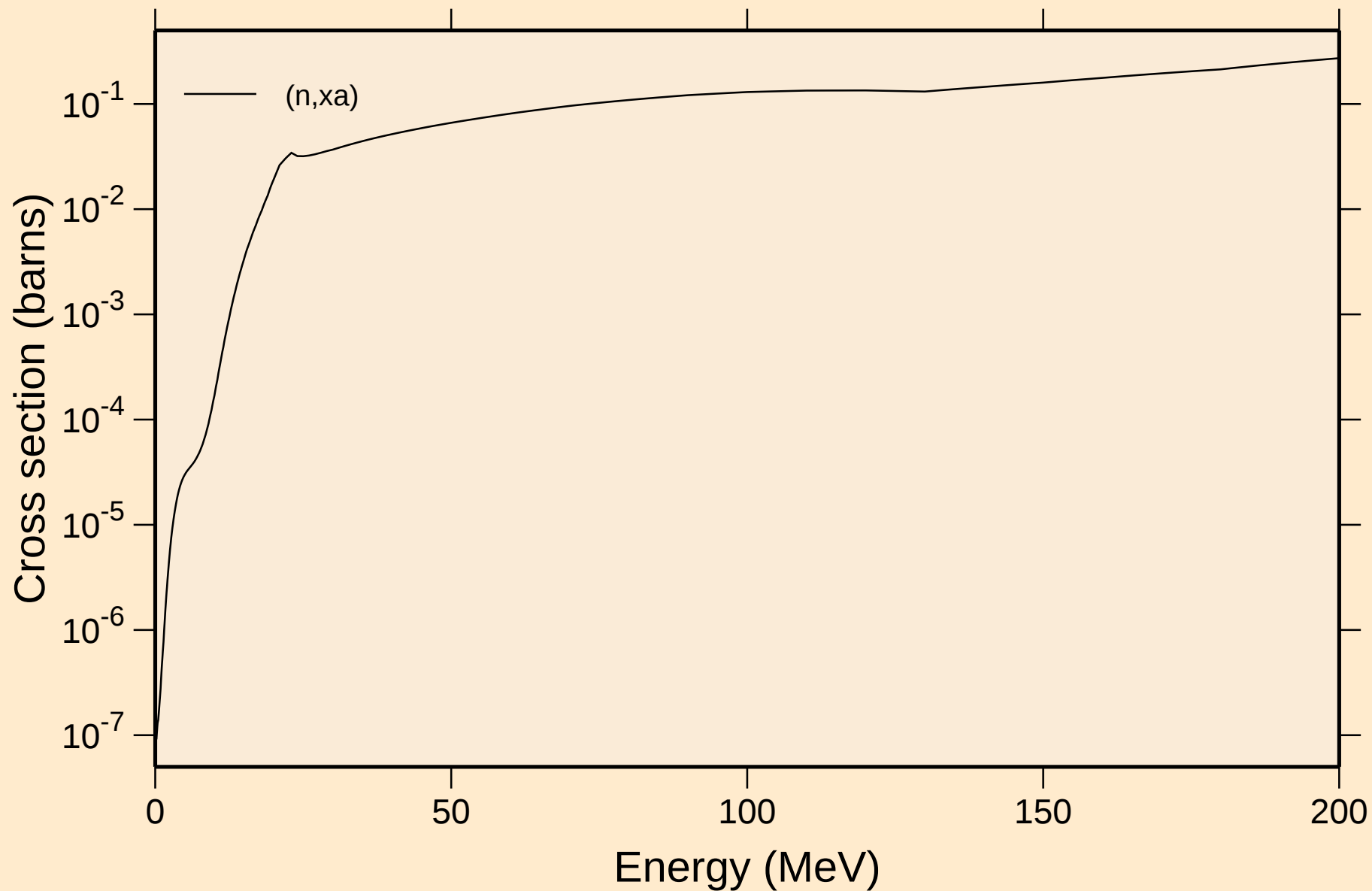


# HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Non-threshold reactions

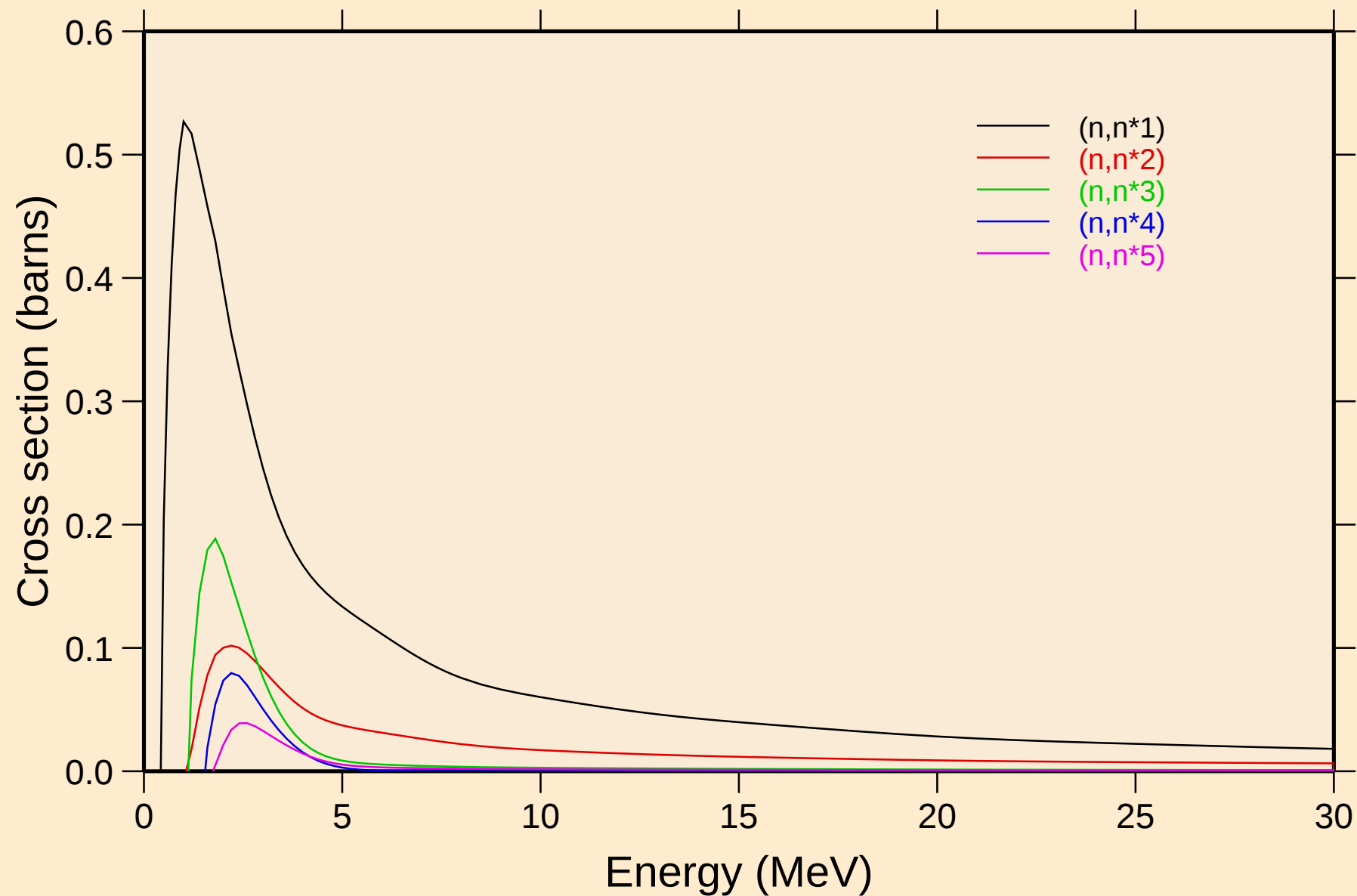


HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



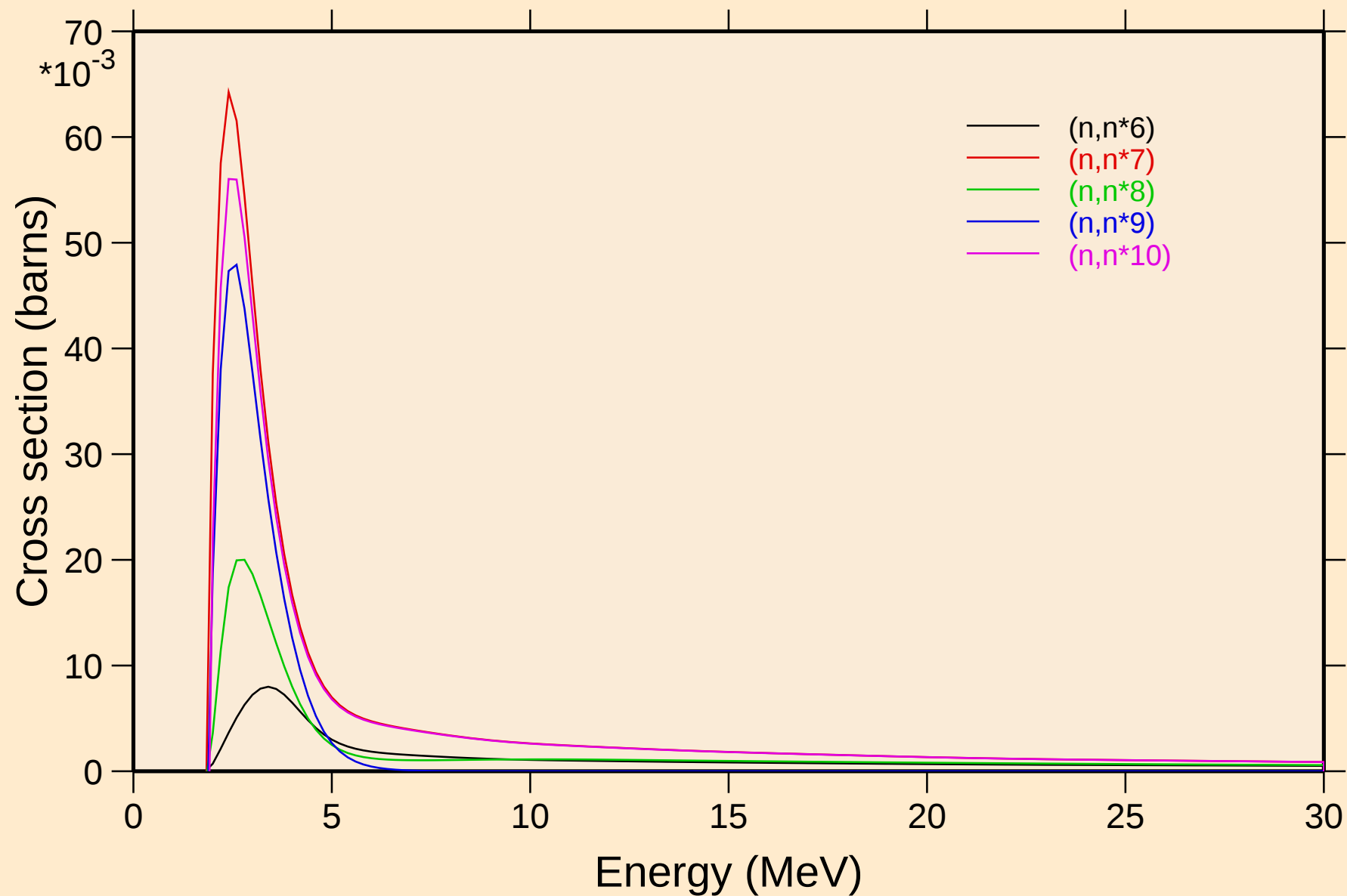
# HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Inelastic levels



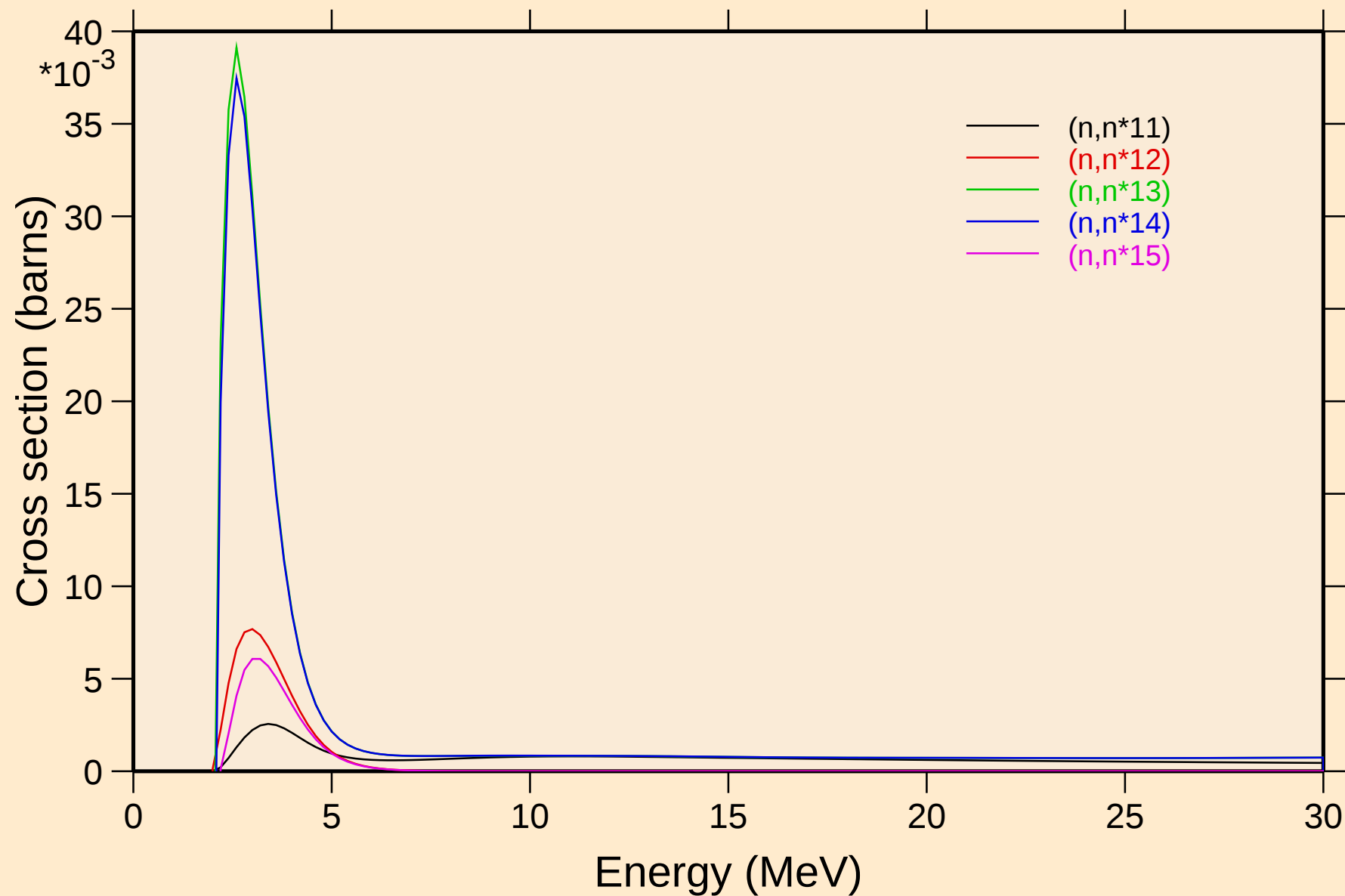
# HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Inelastic levels



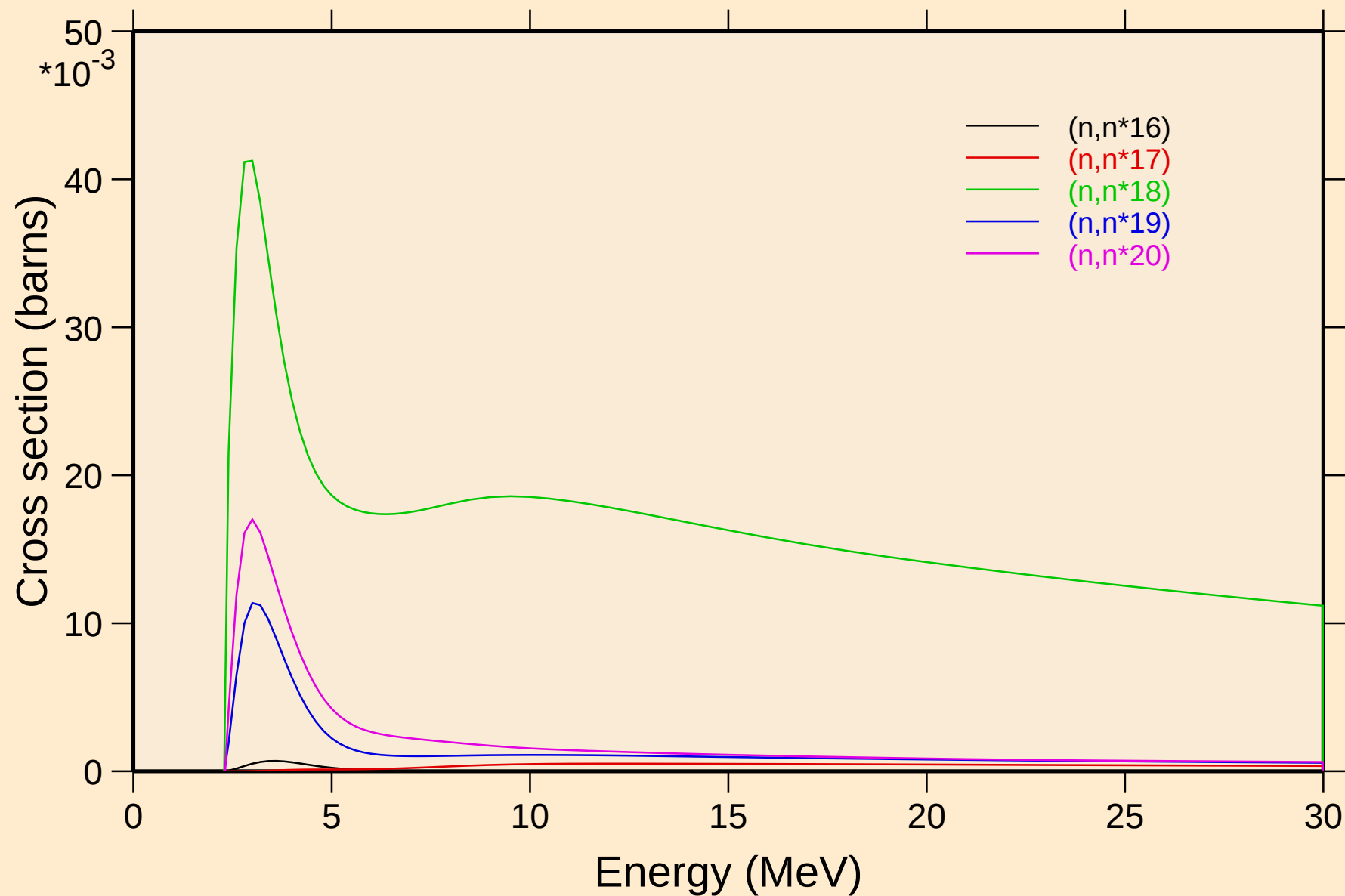
# HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Inelastic levels



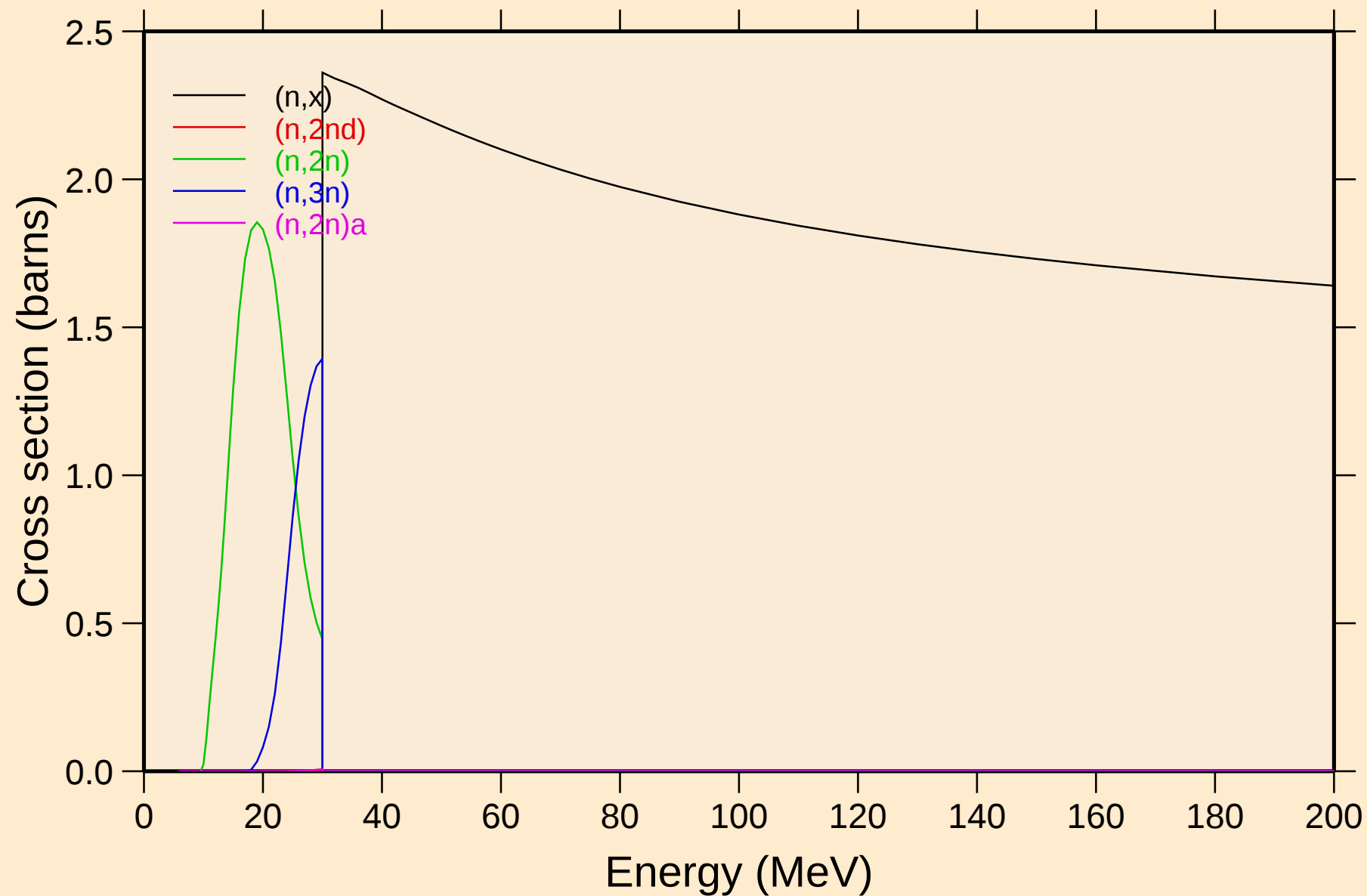
# HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Inelastic levels



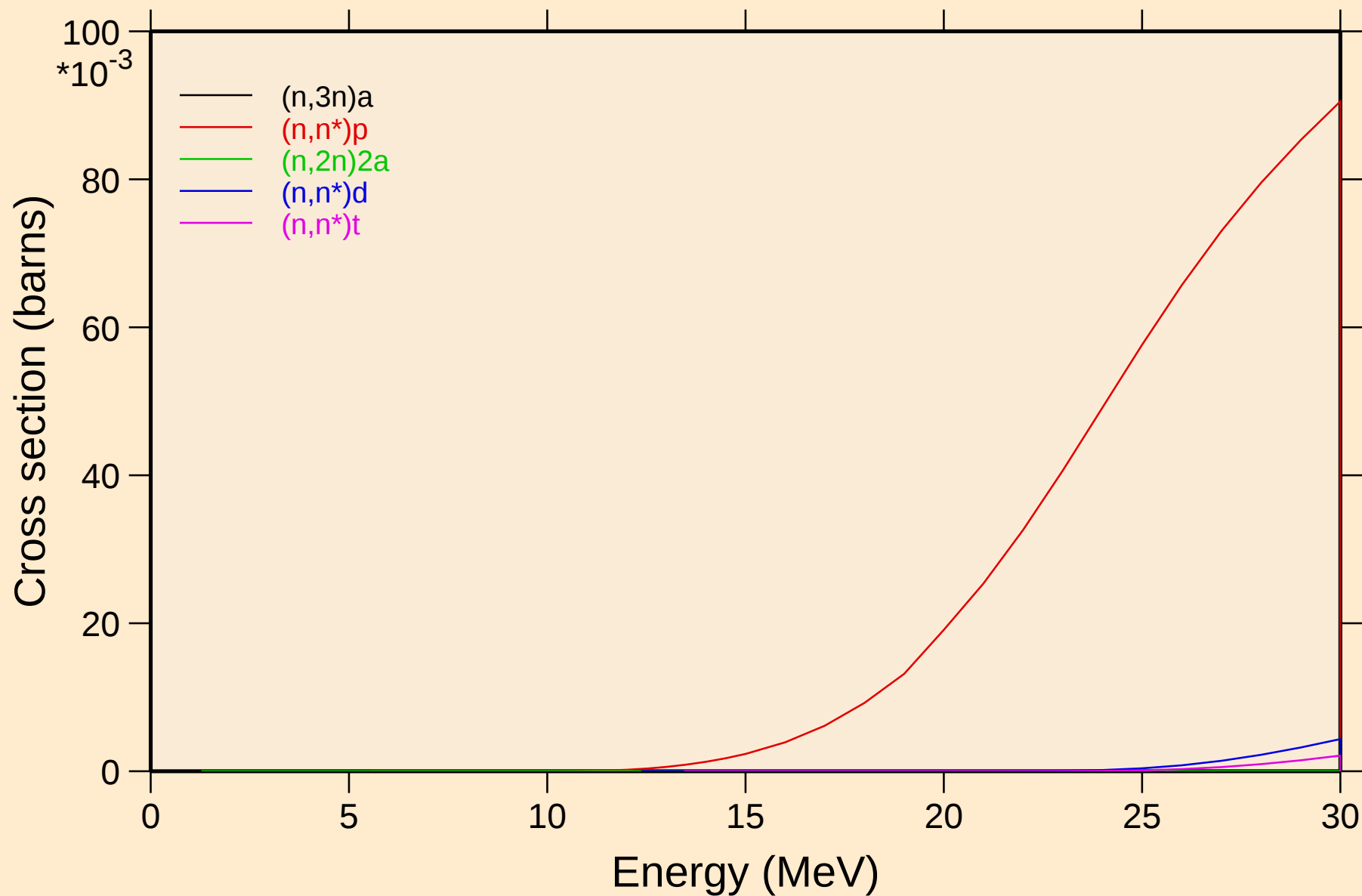
# HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



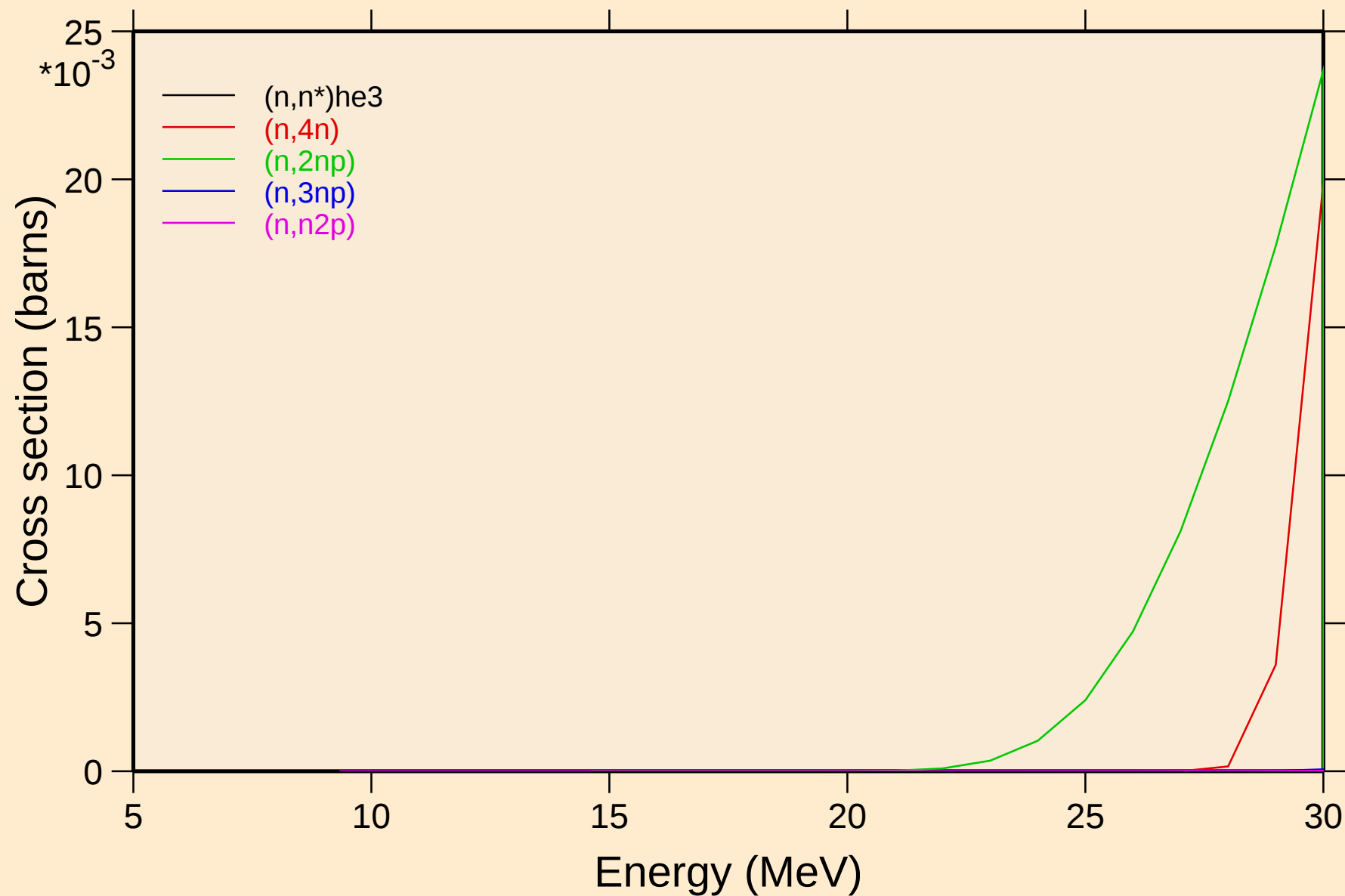
# HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



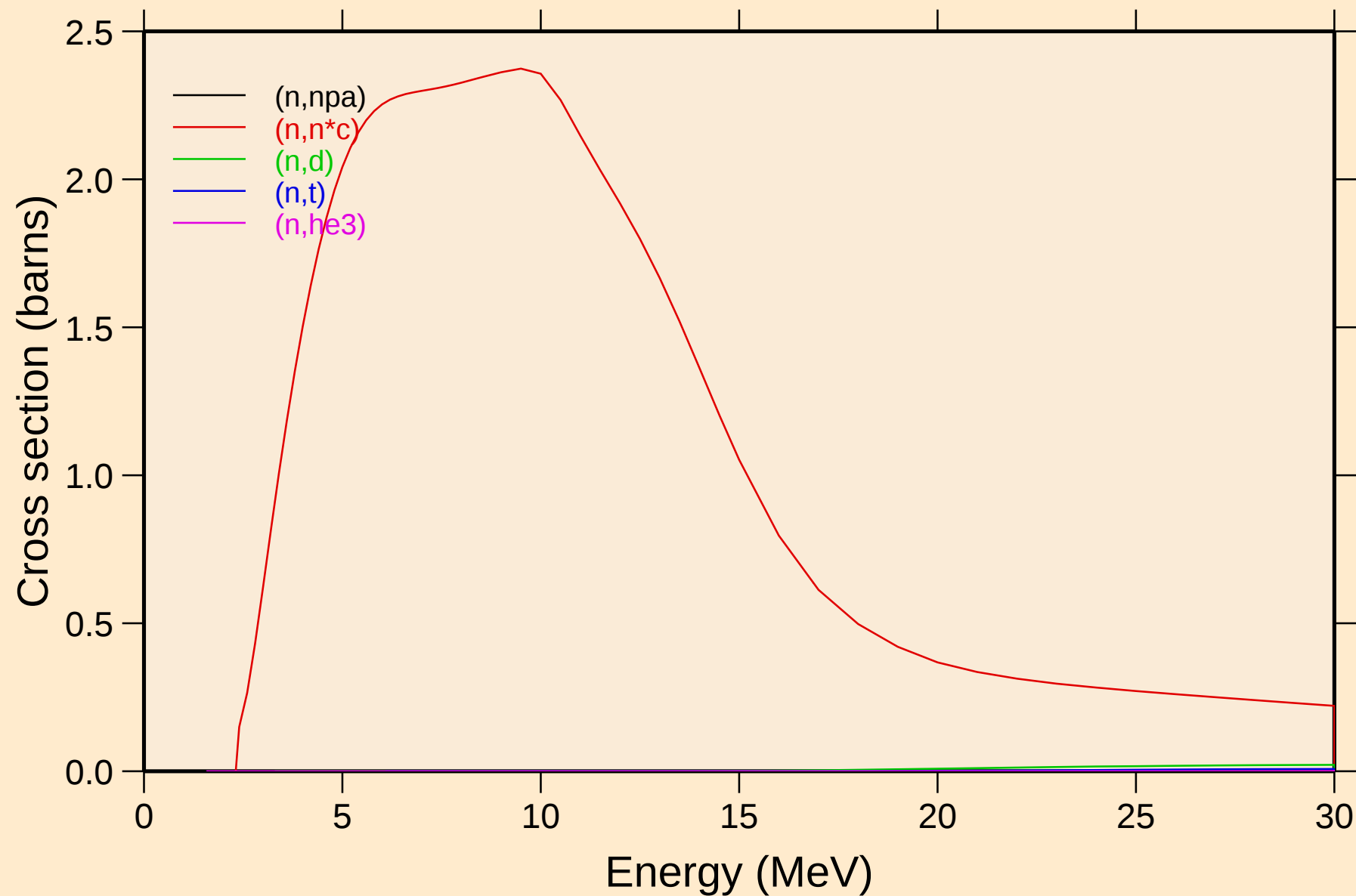
# HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



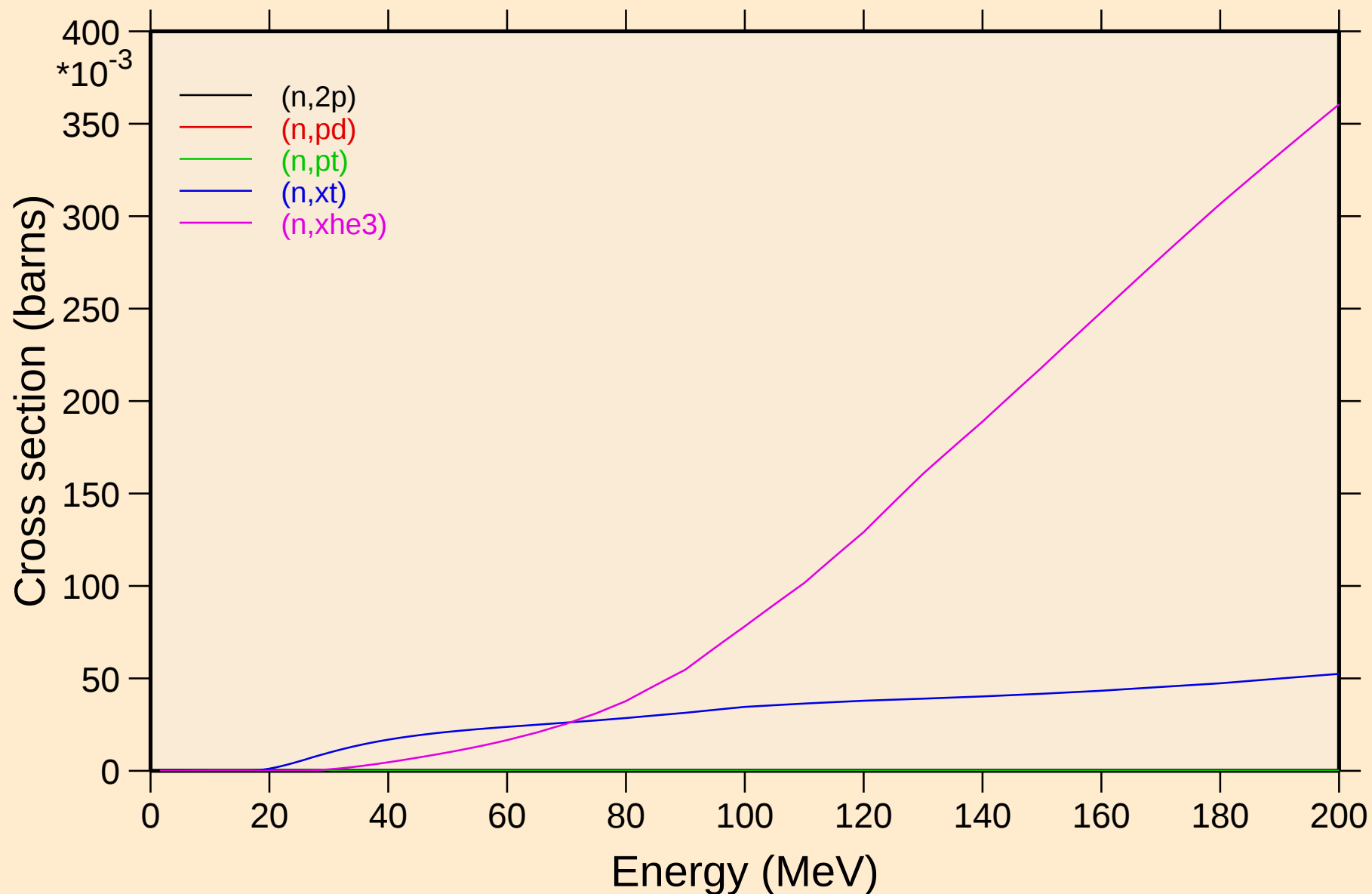
# HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions

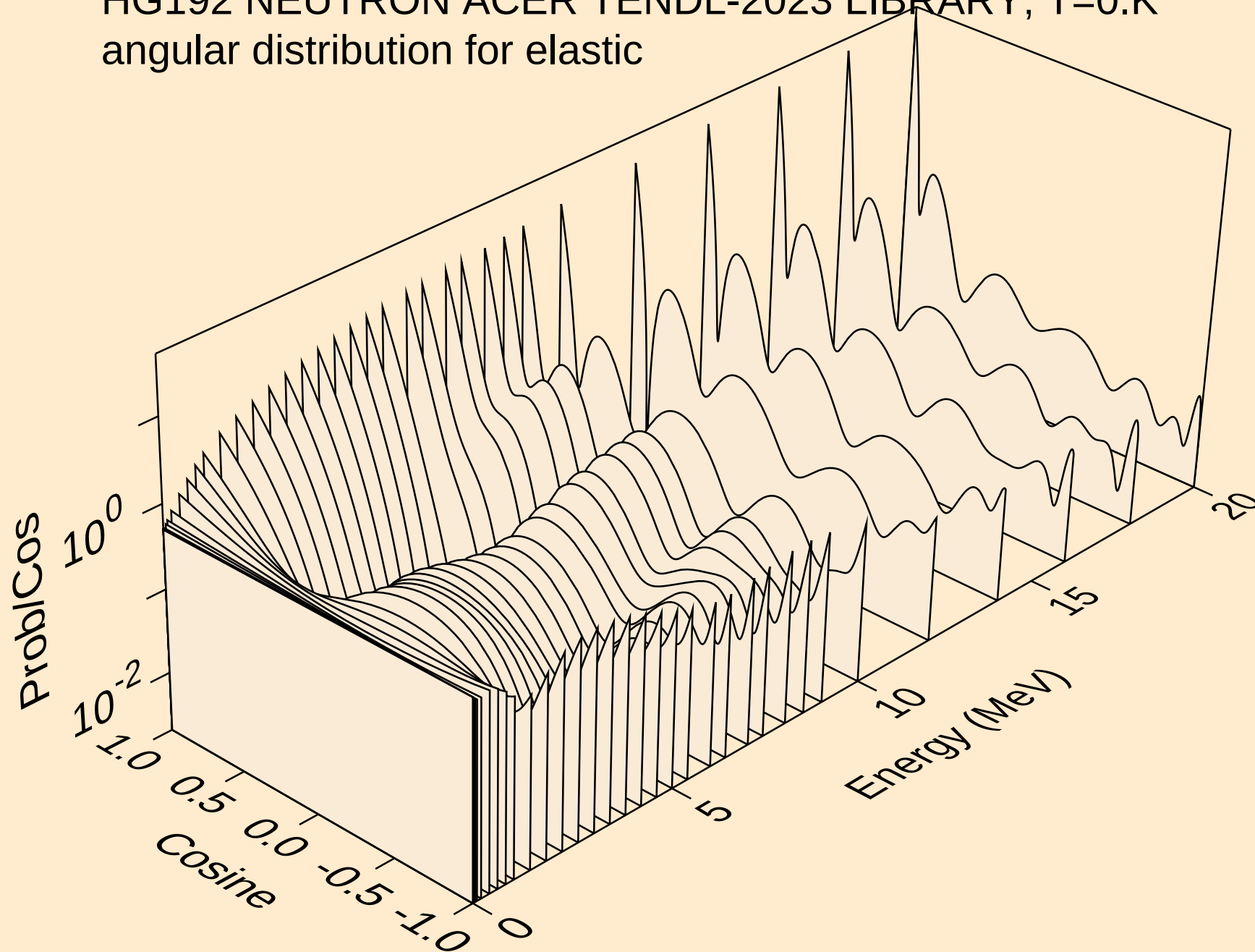


# HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

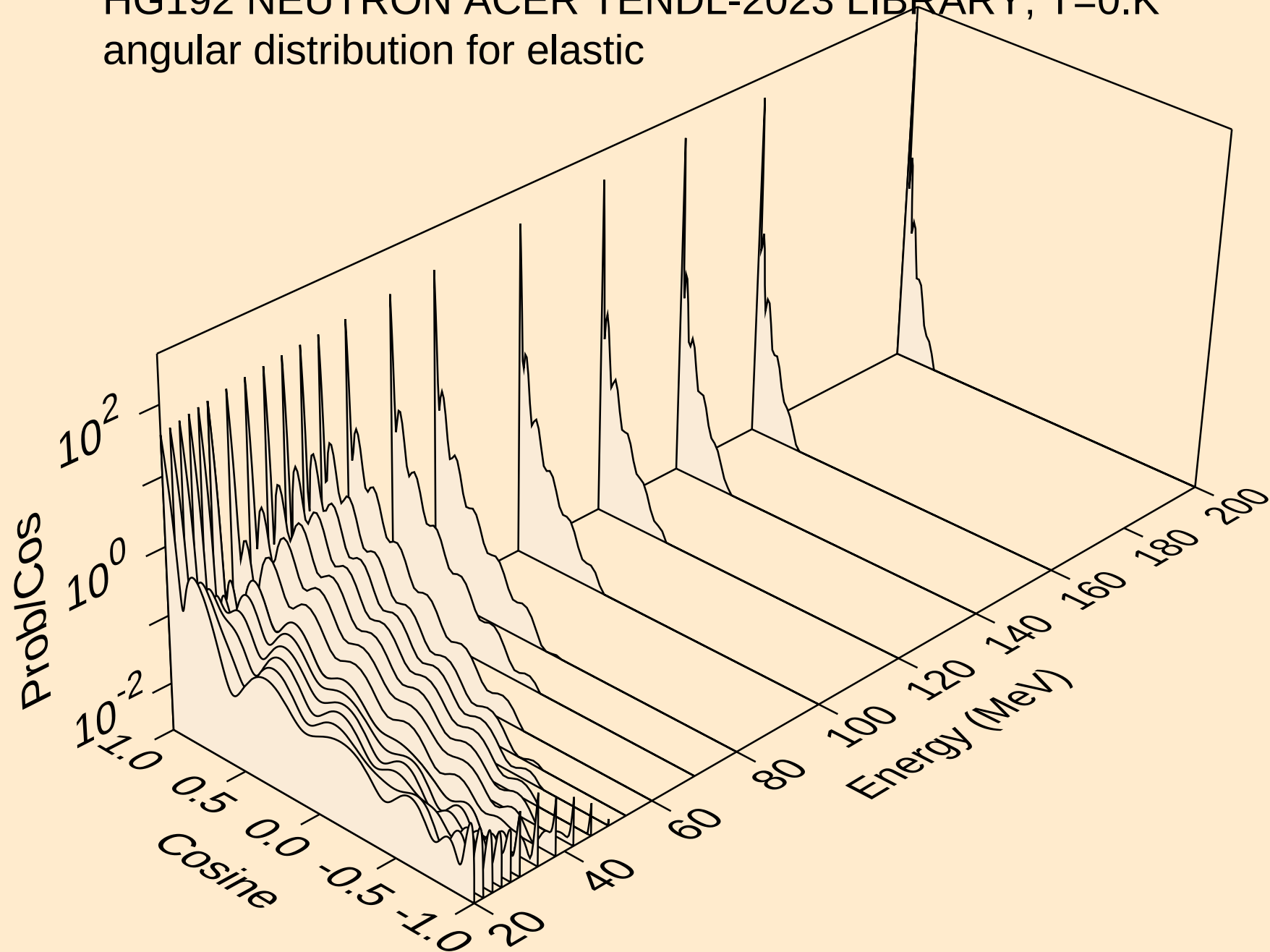
Threshold reactions



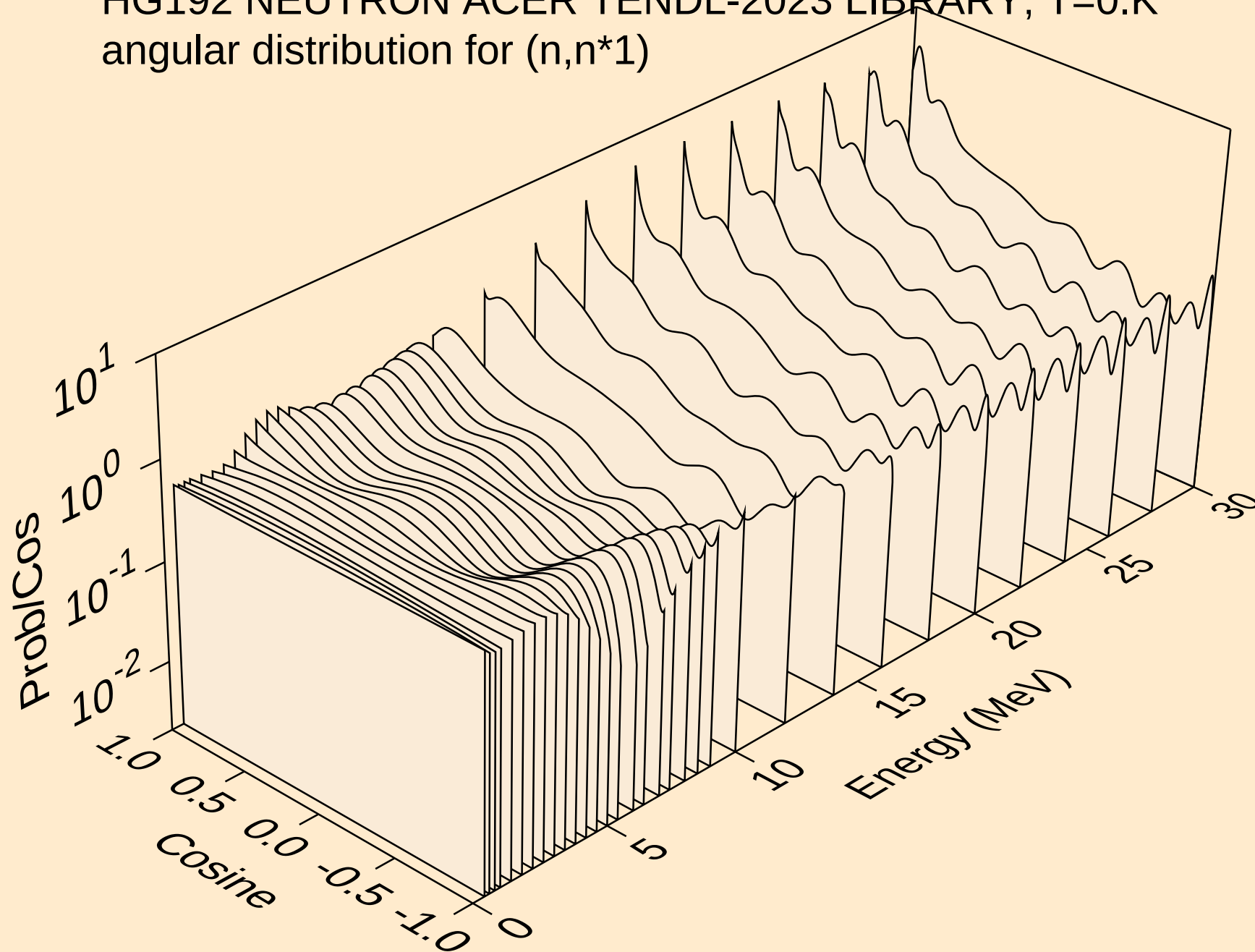
HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



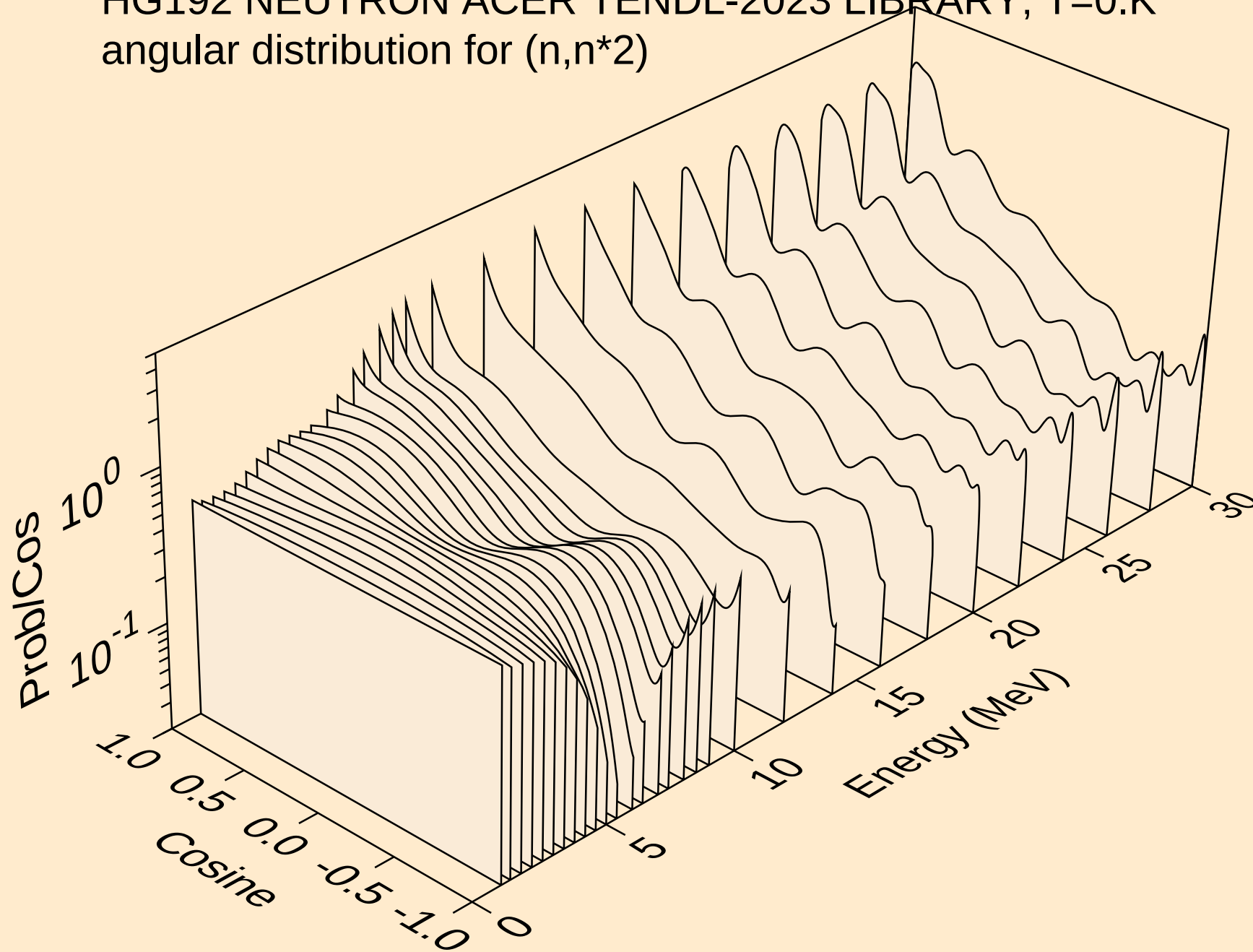
HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



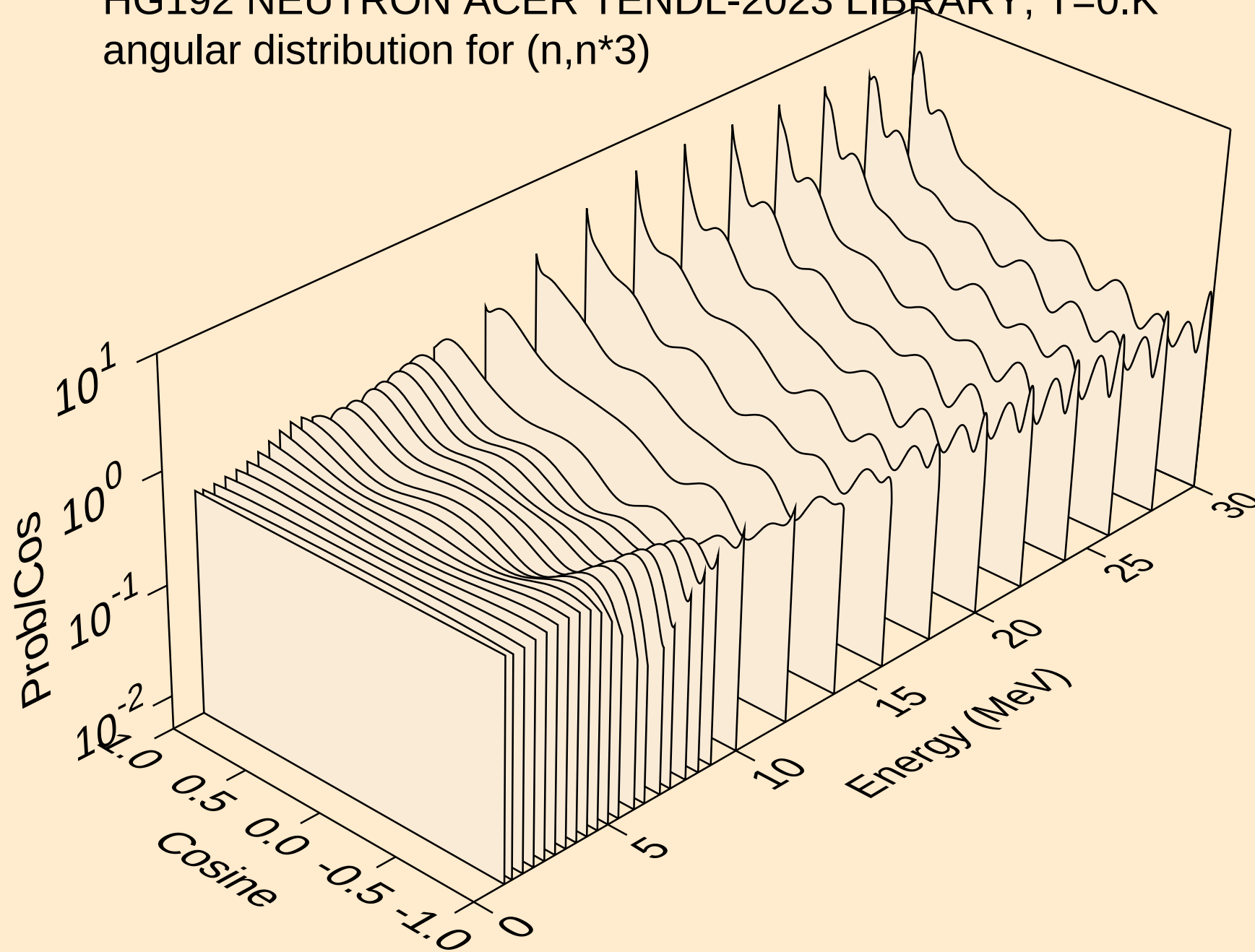
HG192 NEUTRON ACER TENDL-2023 LIBRARY;  $T=0.K$   
angular distribution for (n,n\*1)



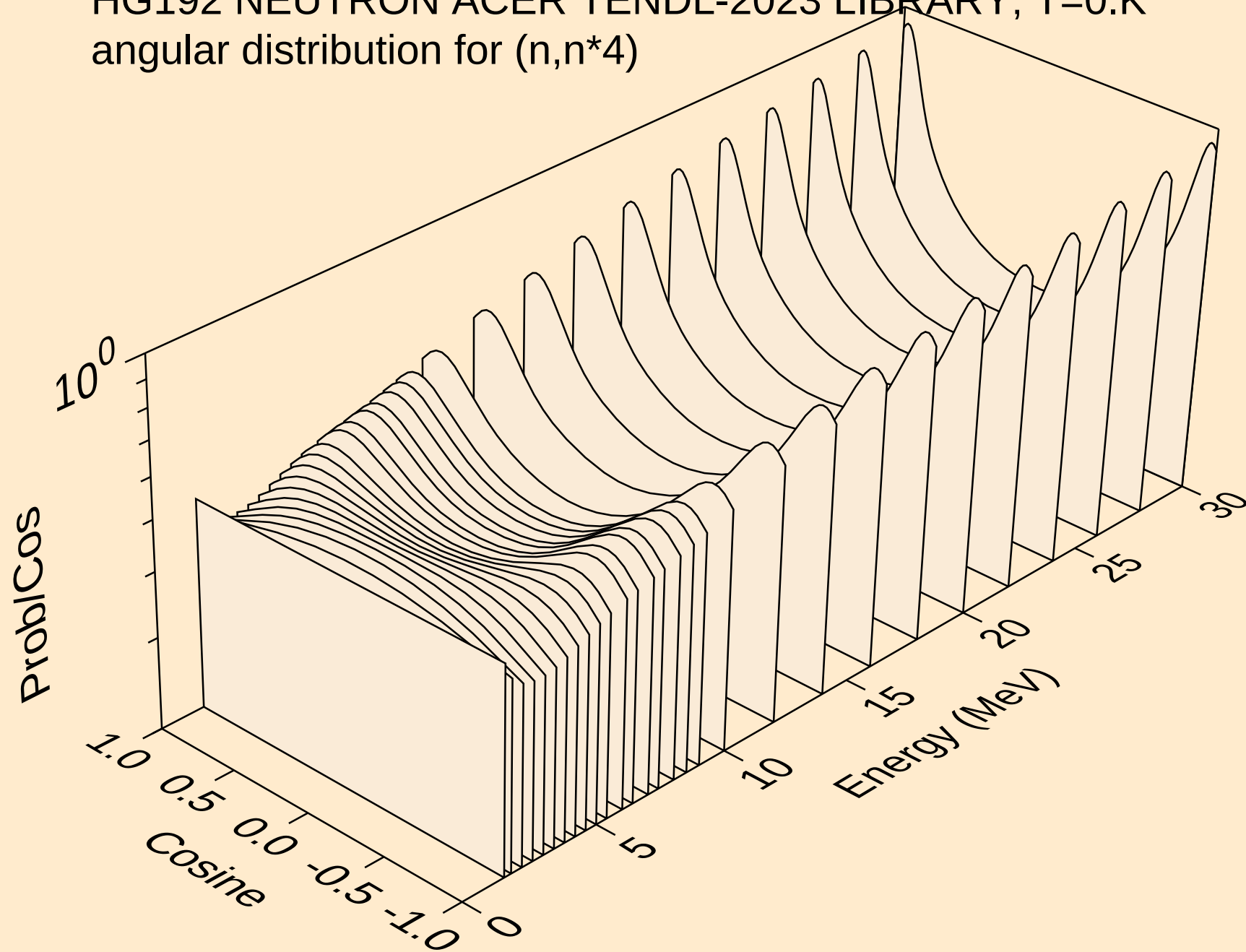
HG192 NEUTRON ACER TENDL-2023 LIBRARY;  $T=0.K$   
angular distribution for (n,n\*2)



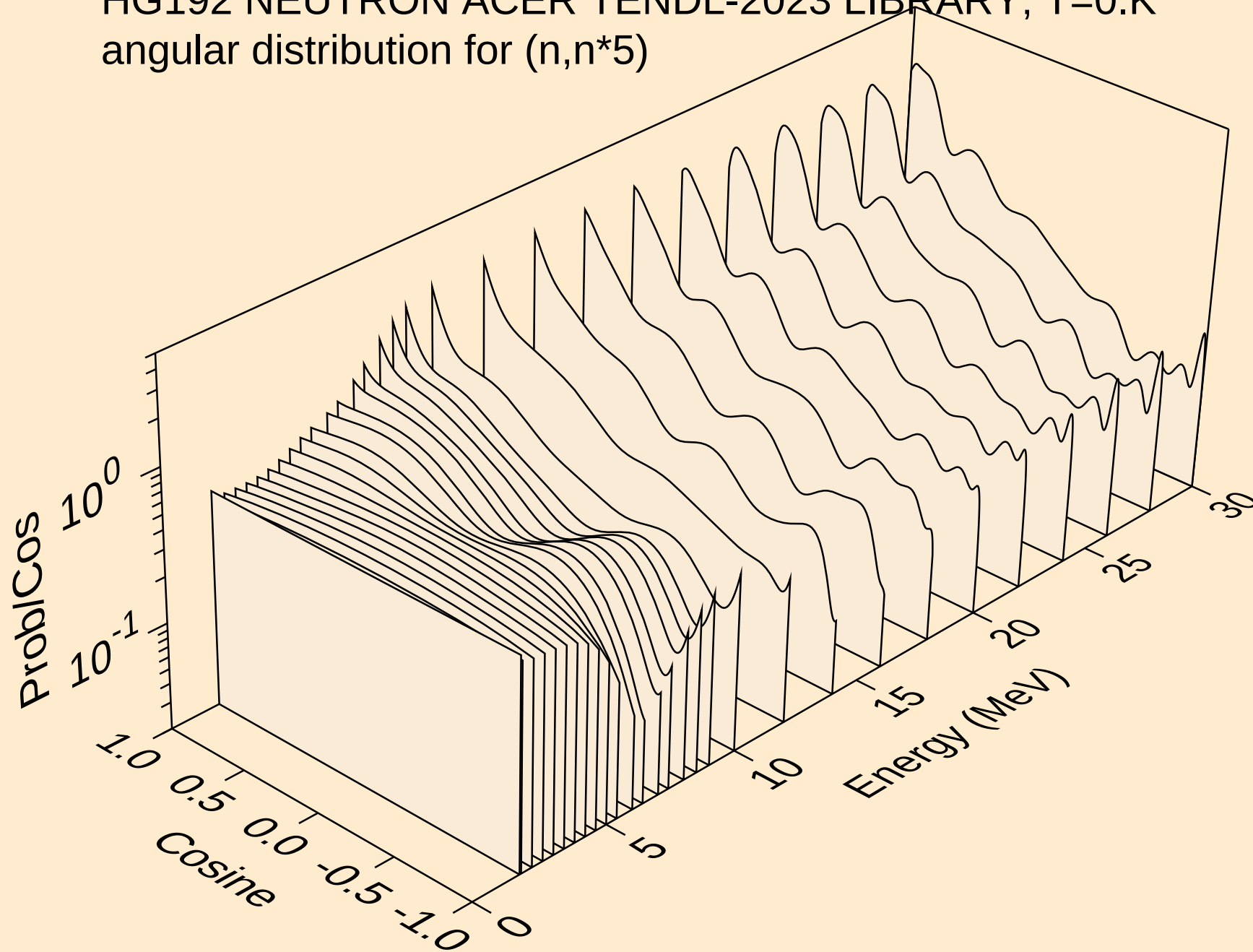
HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*3)



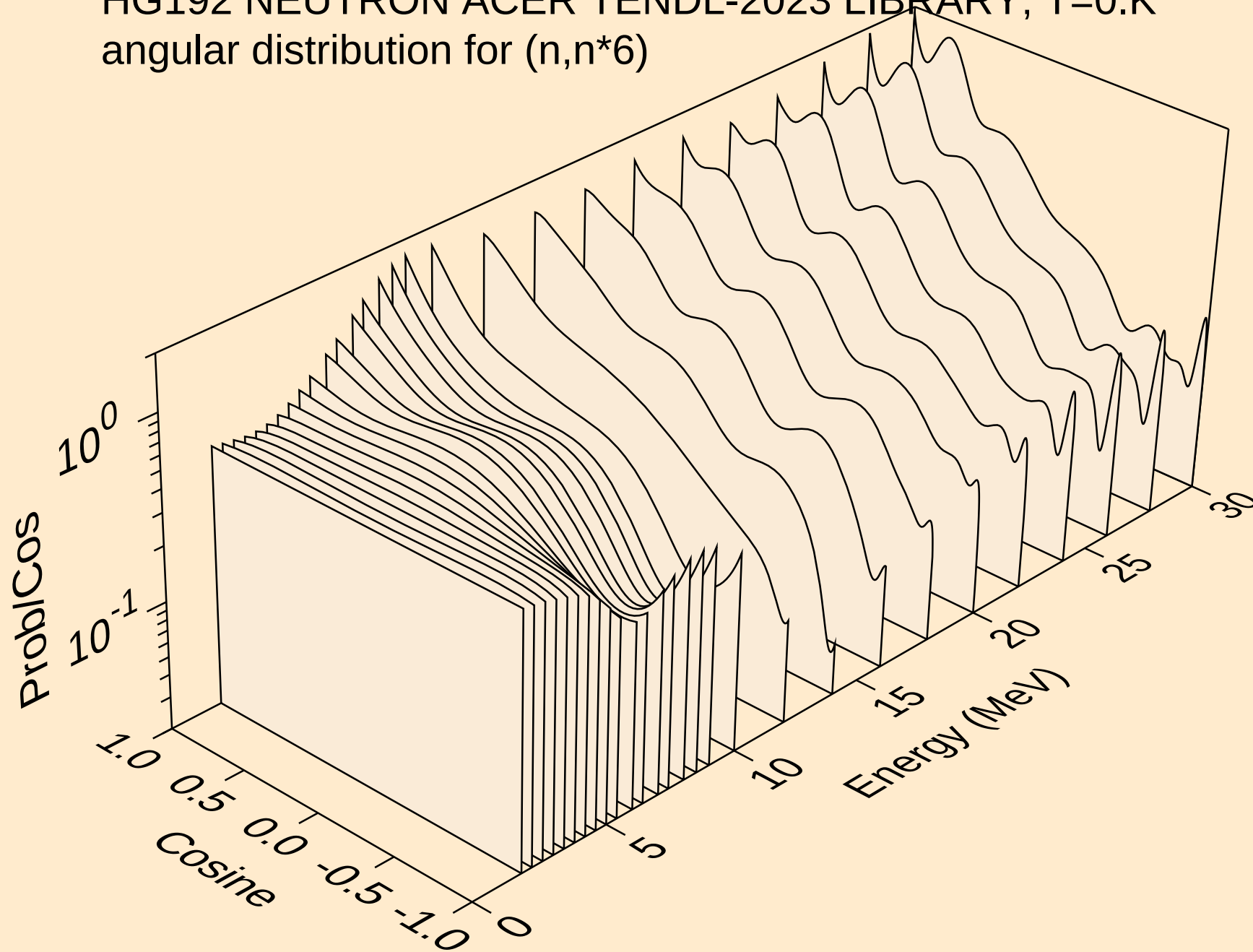
HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*4)



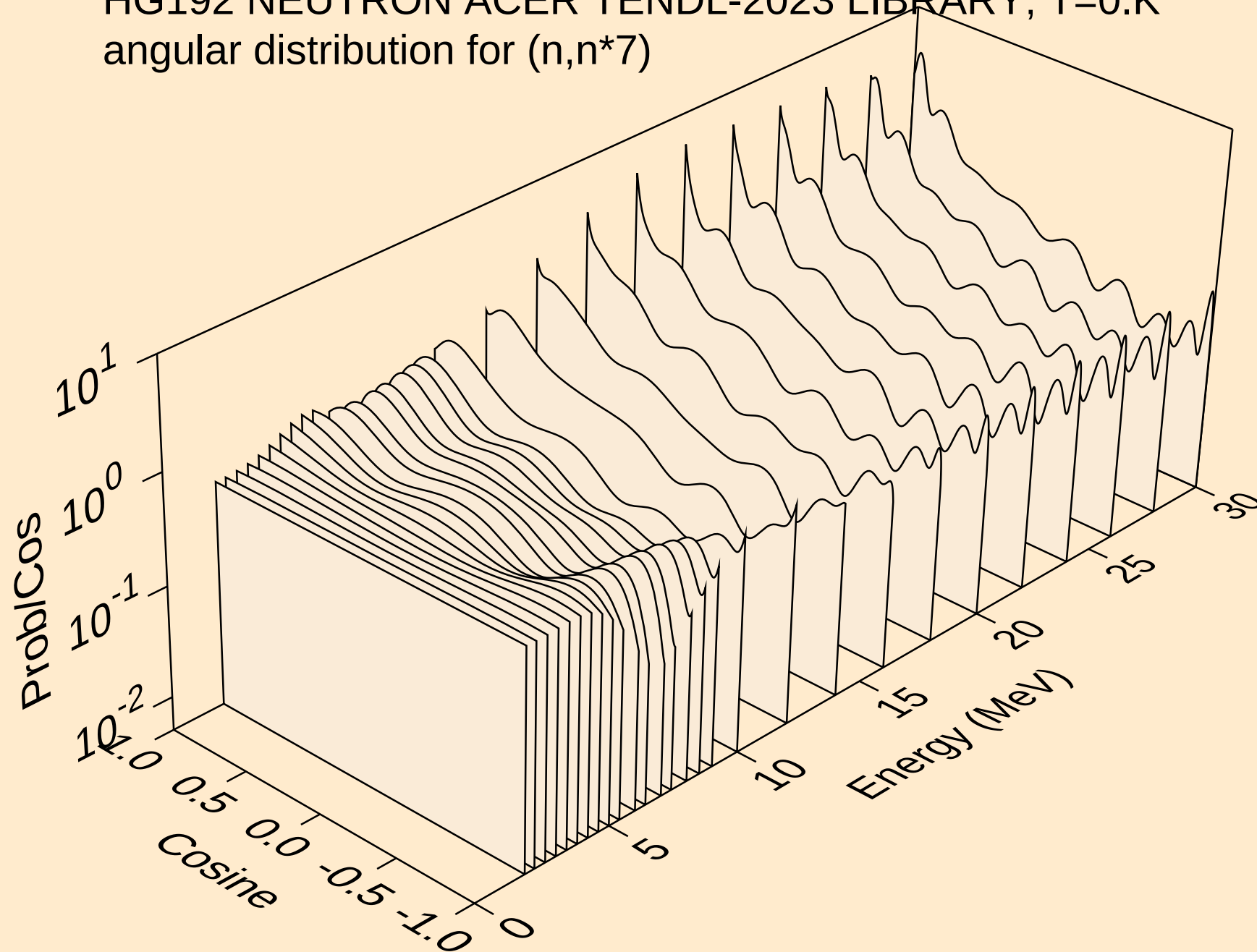
HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*5)



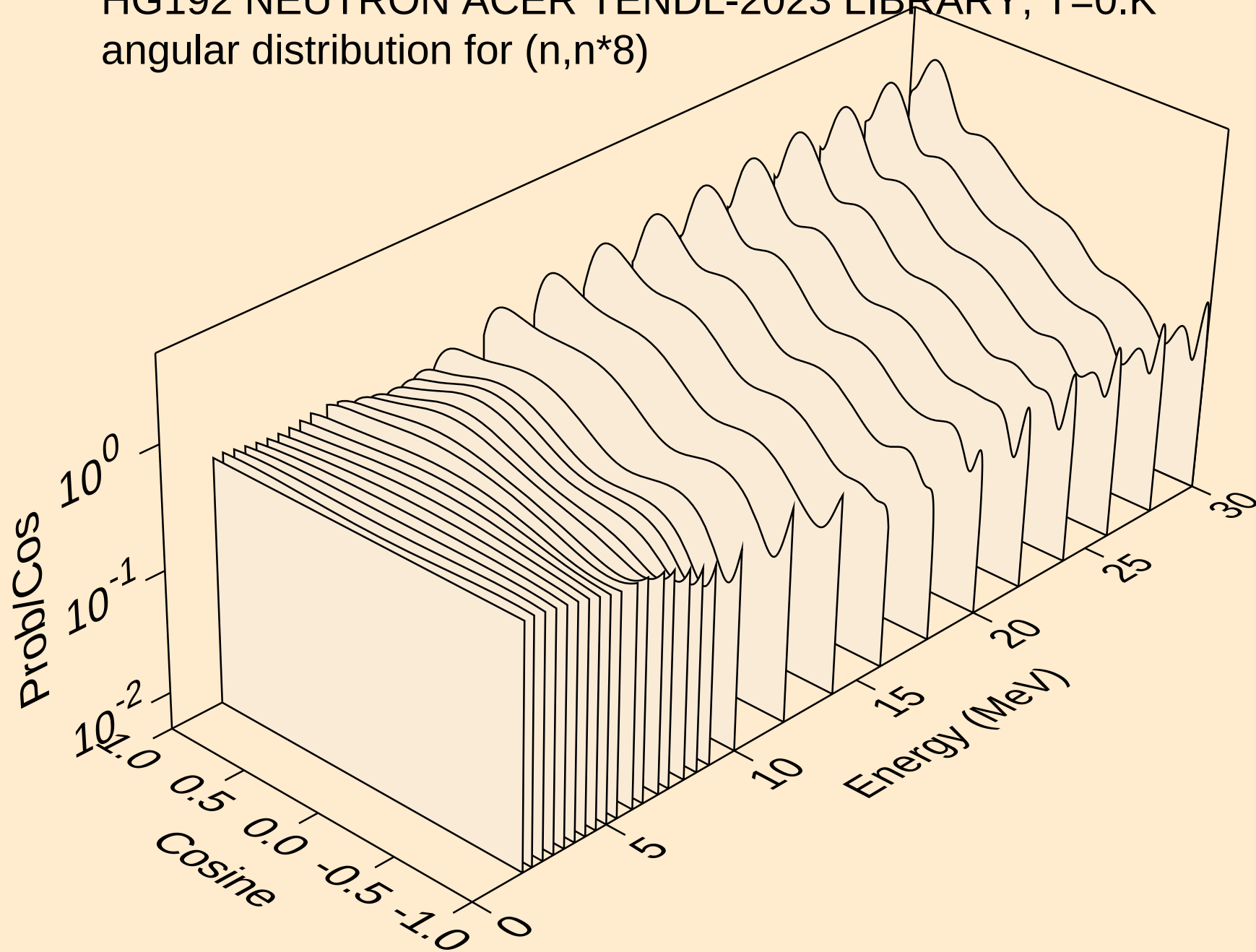
HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*6)



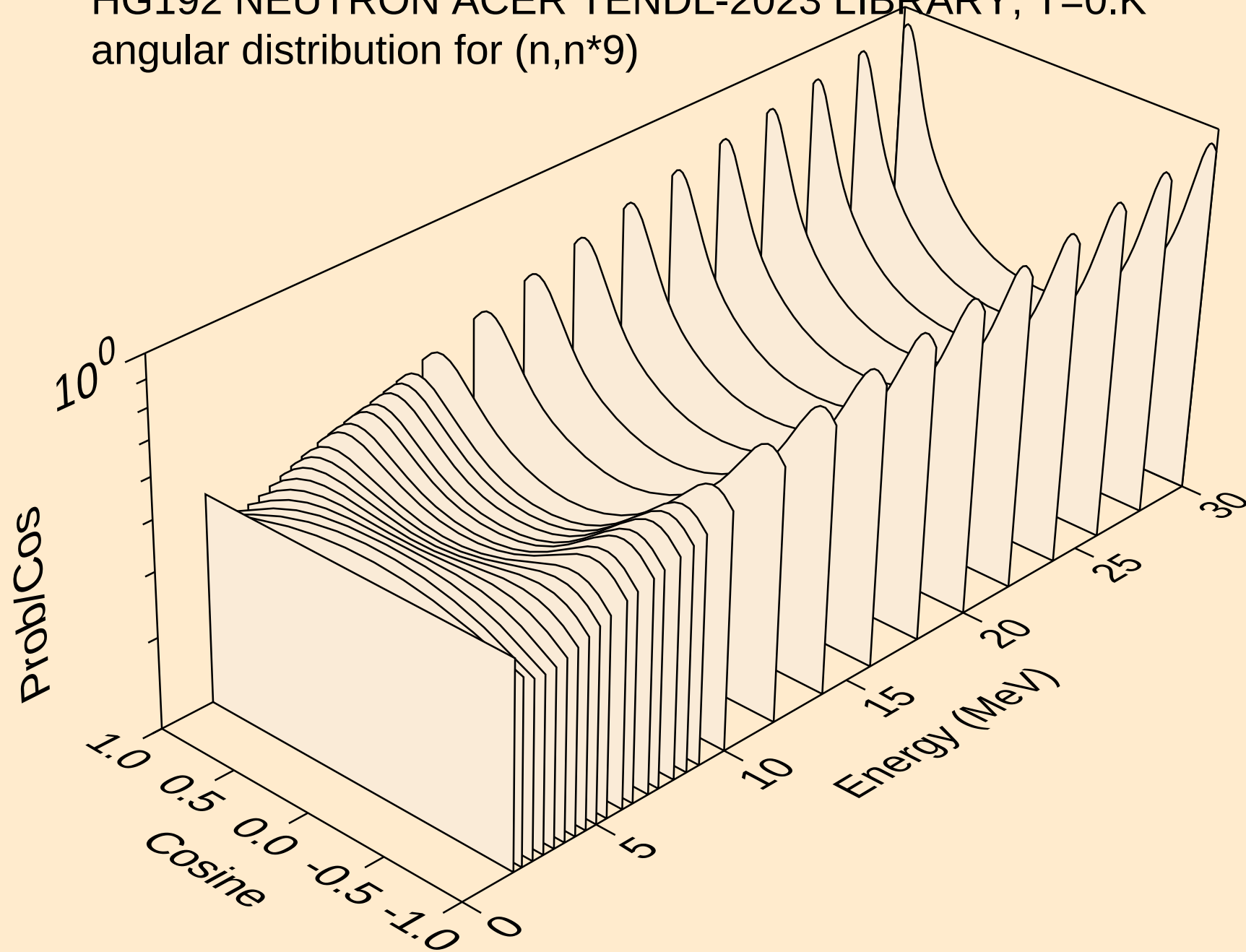
HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*7)



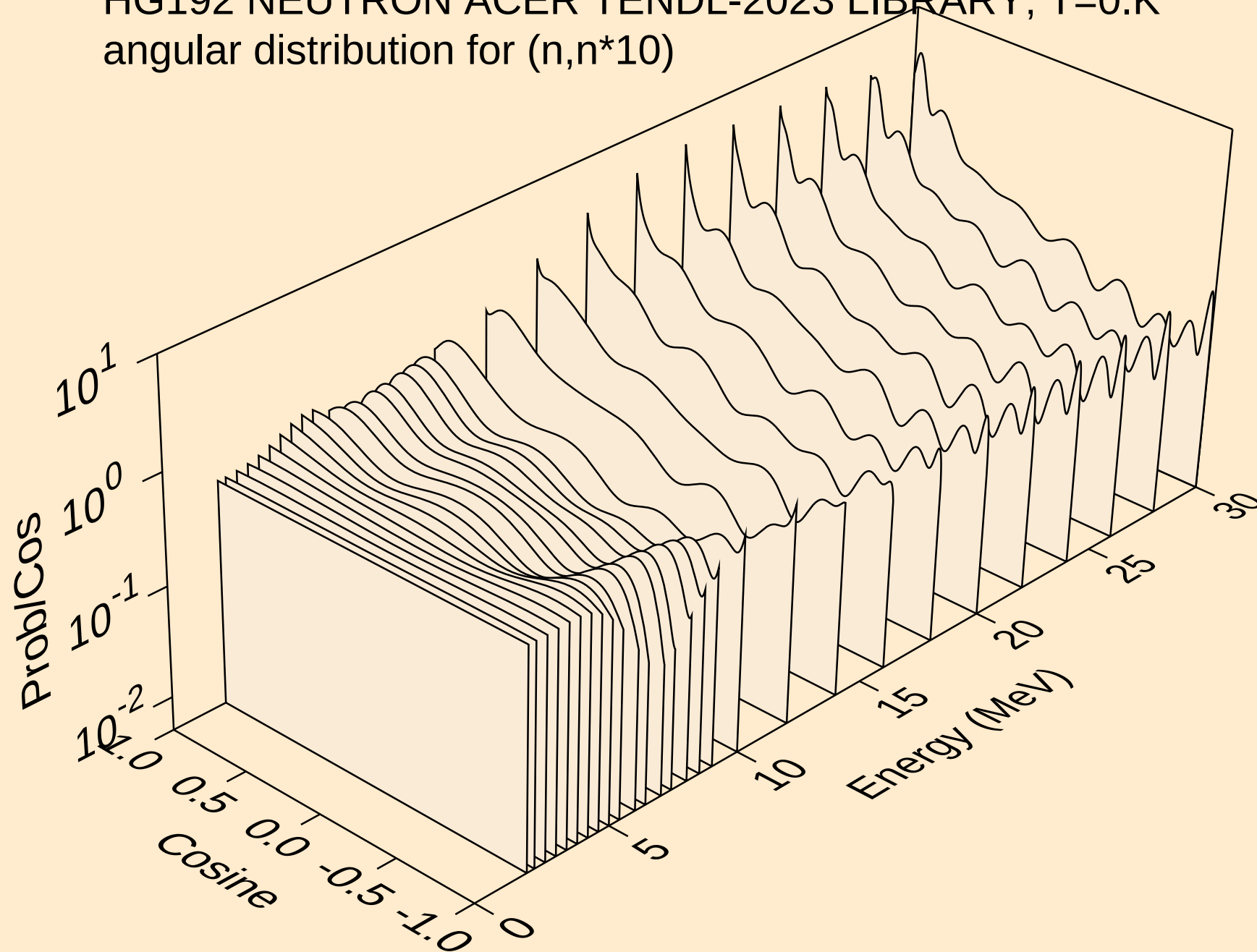
HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*8)



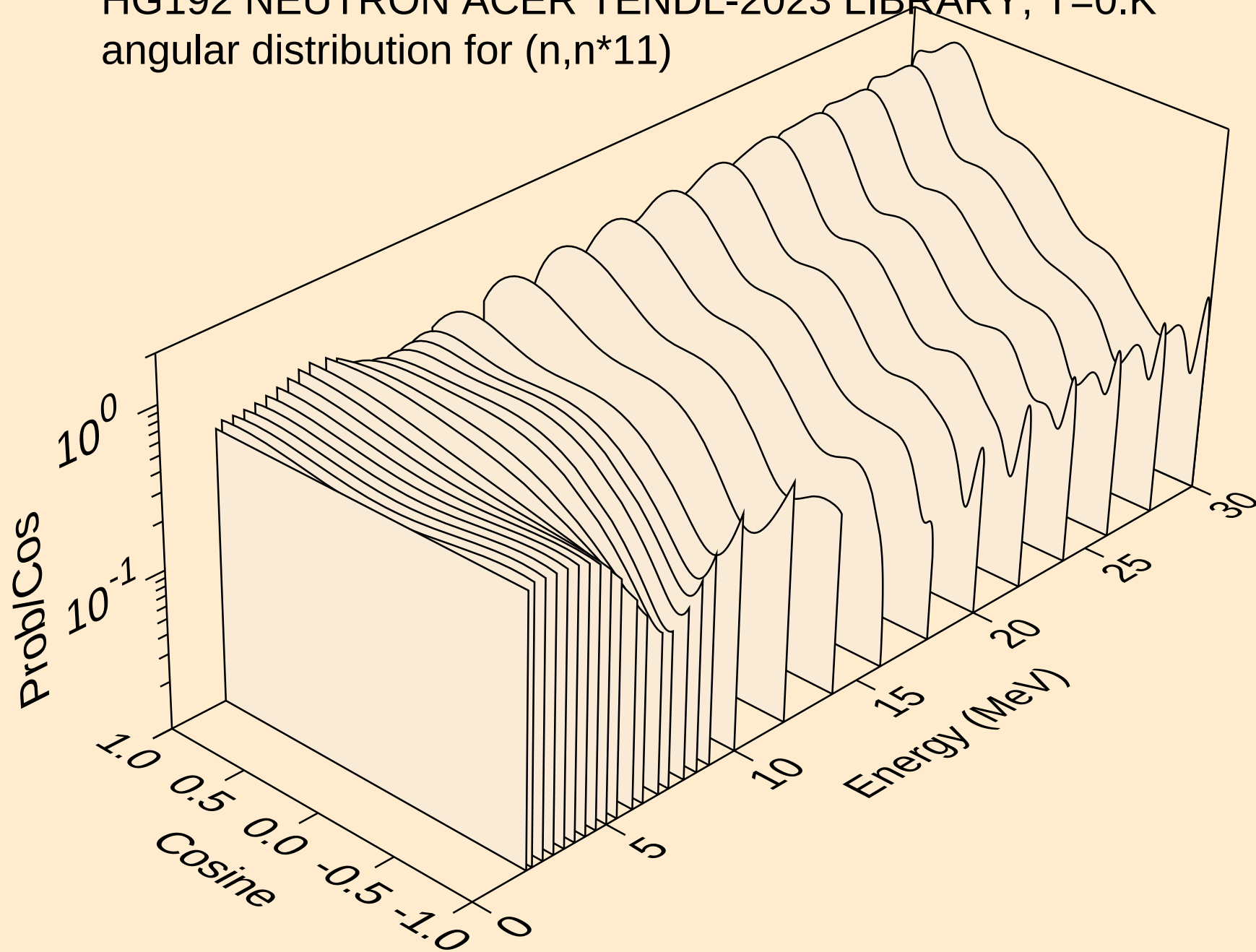
HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*9)



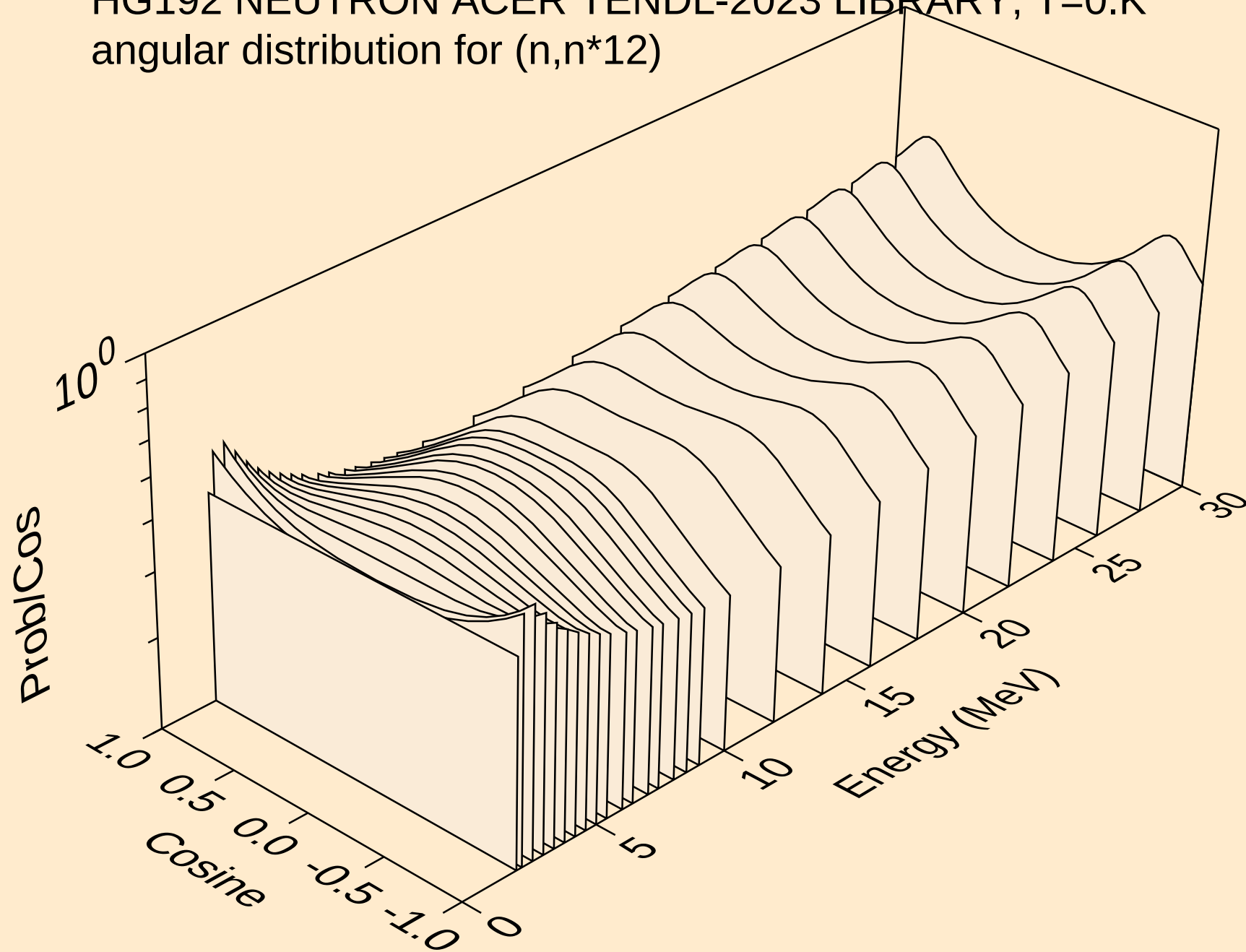
HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*10)



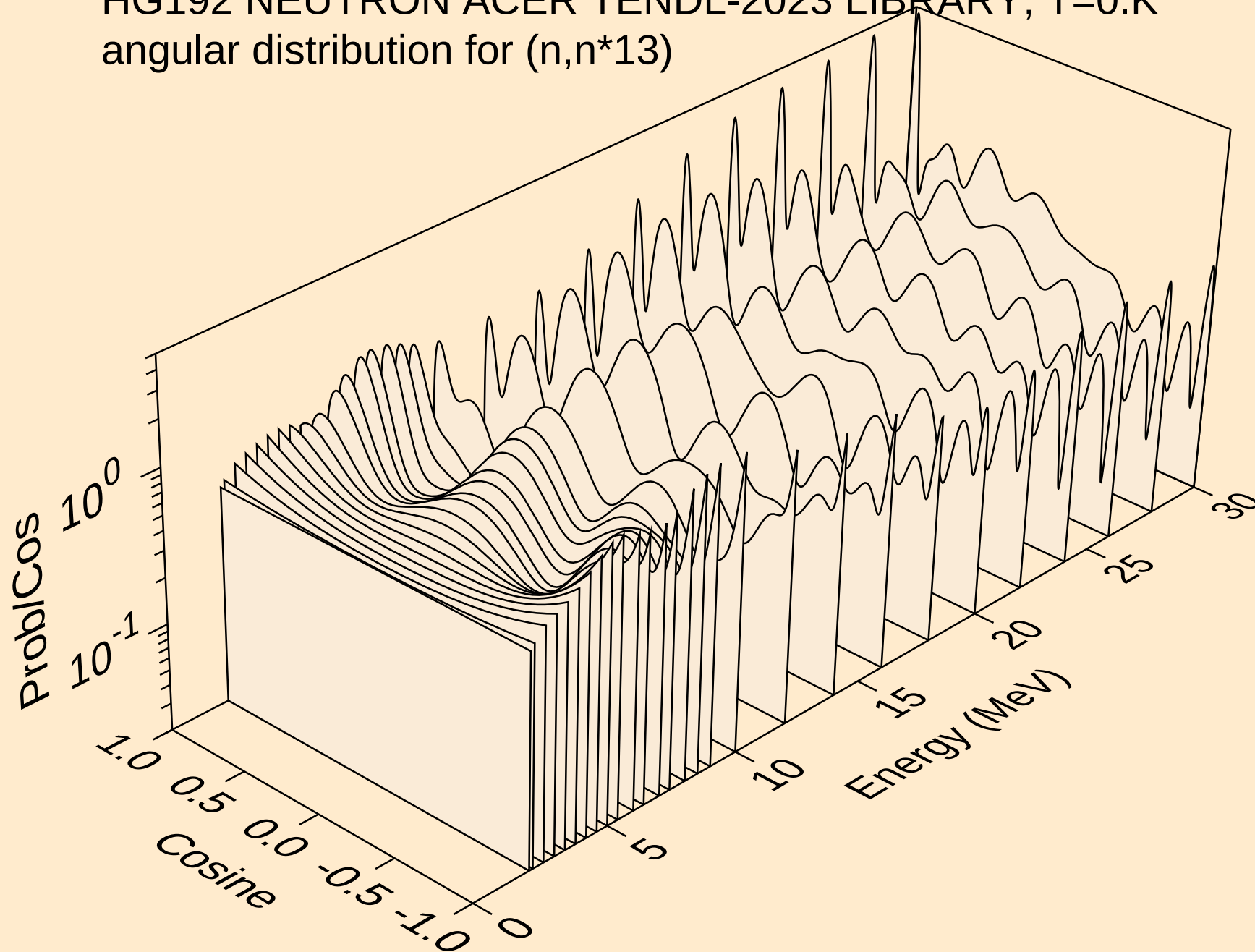
HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*11)



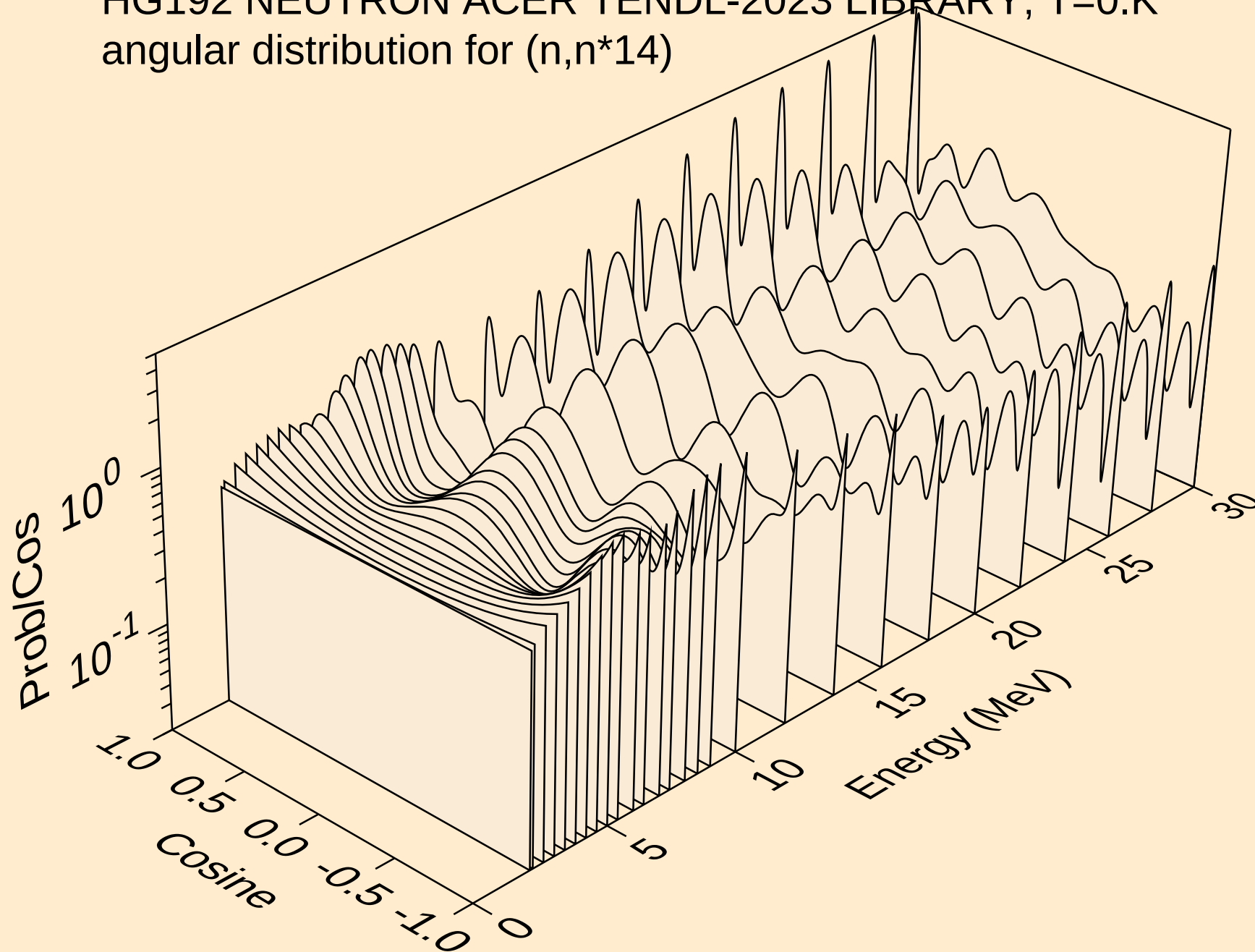
HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*12)



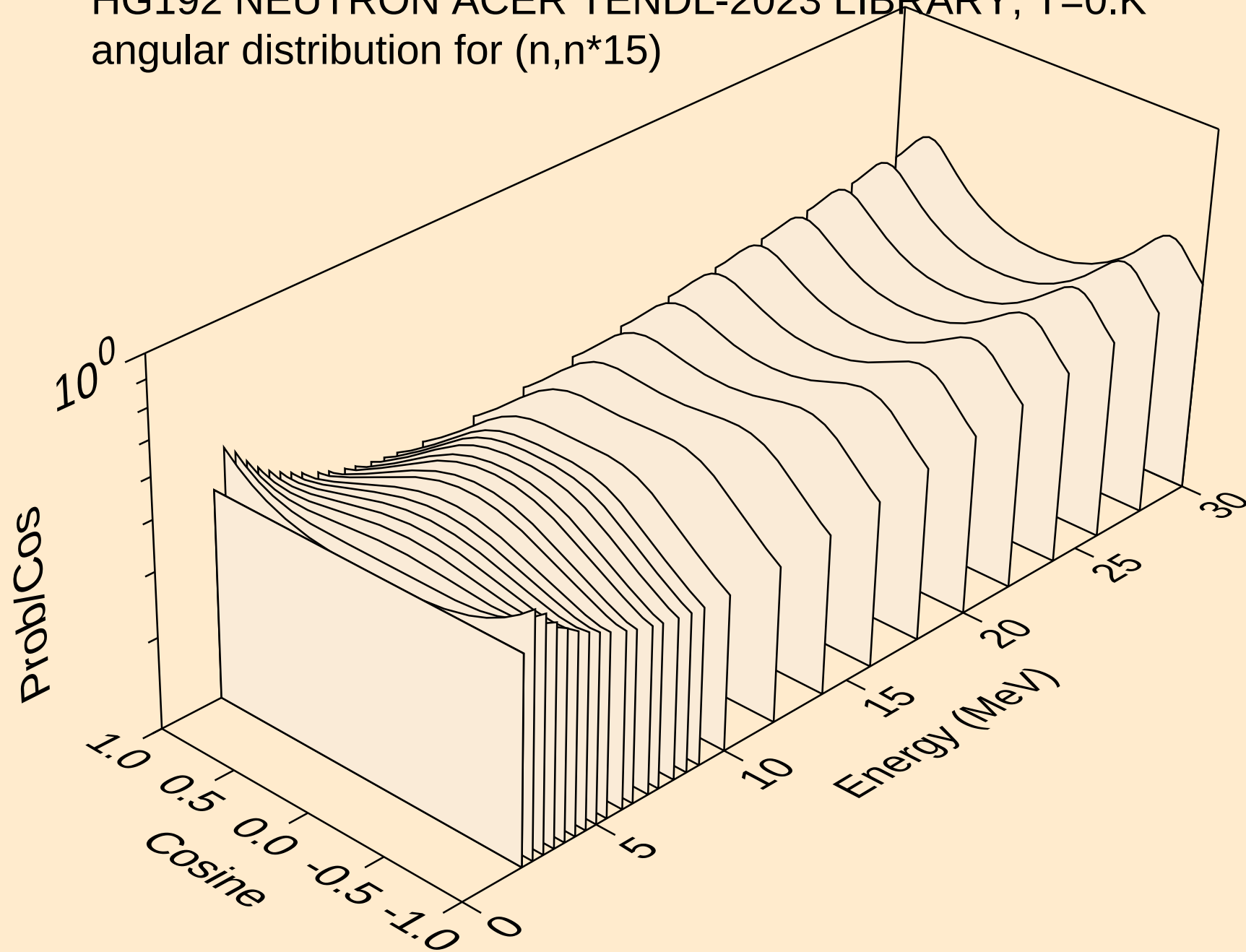
HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*13)



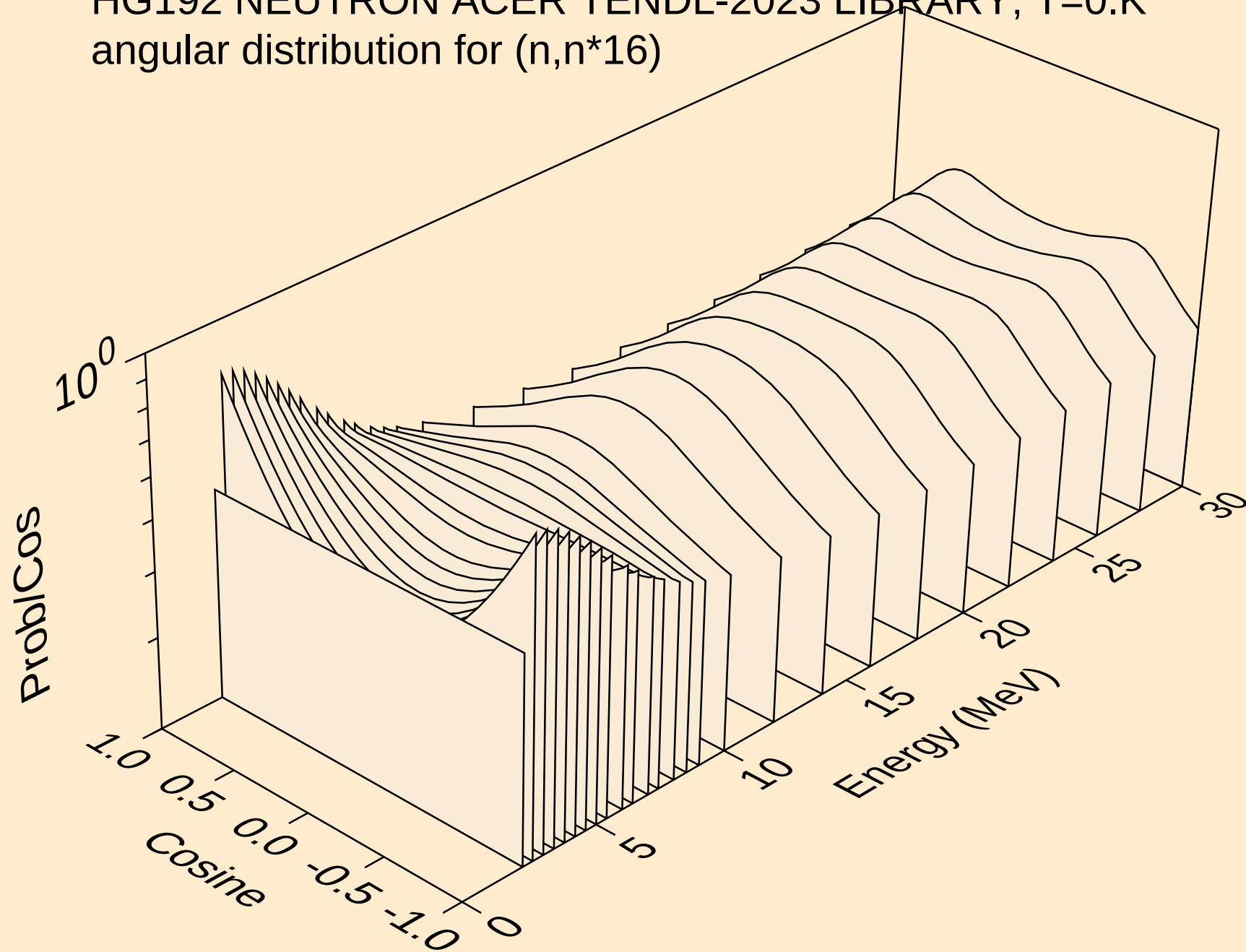
HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*14)



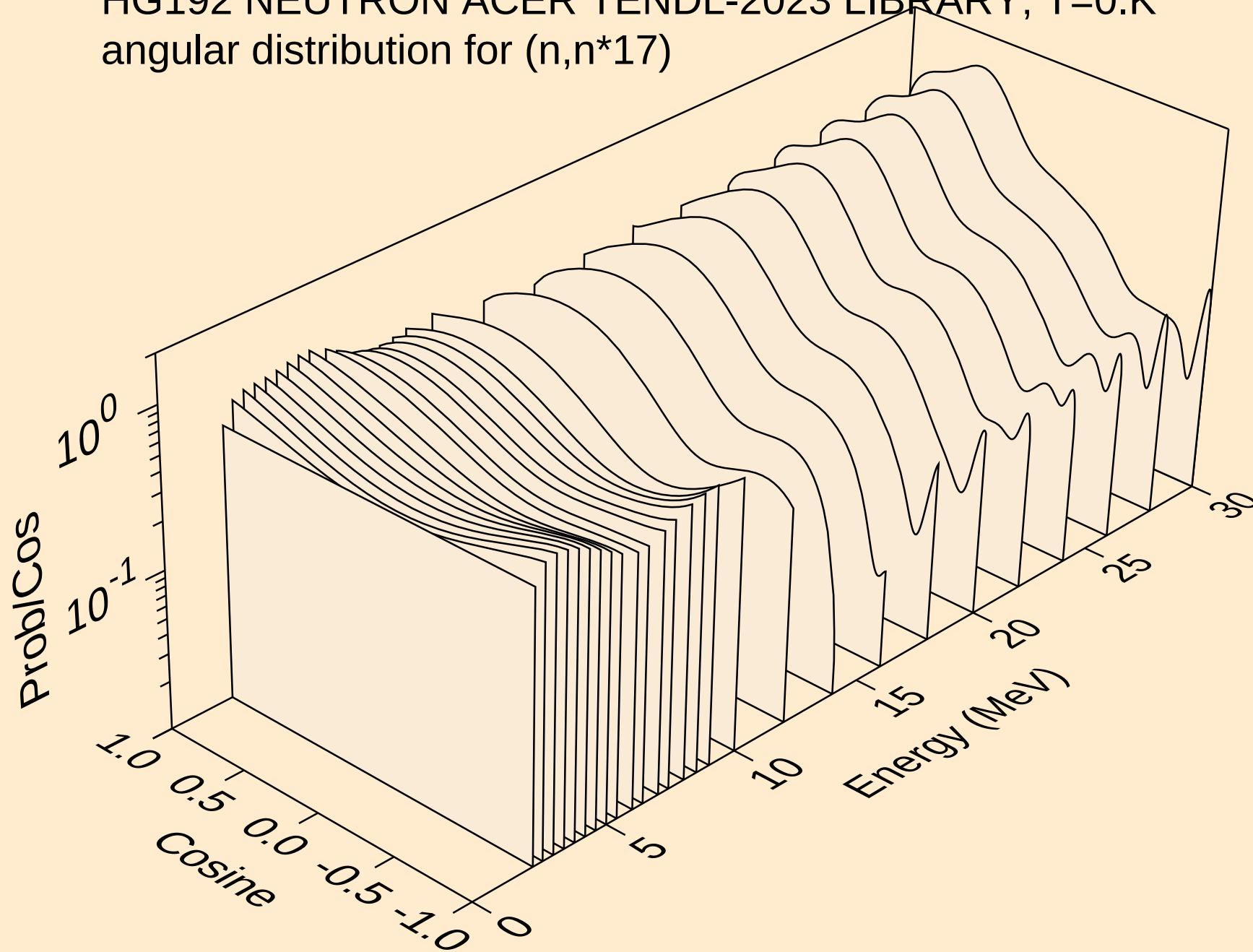
HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*15)



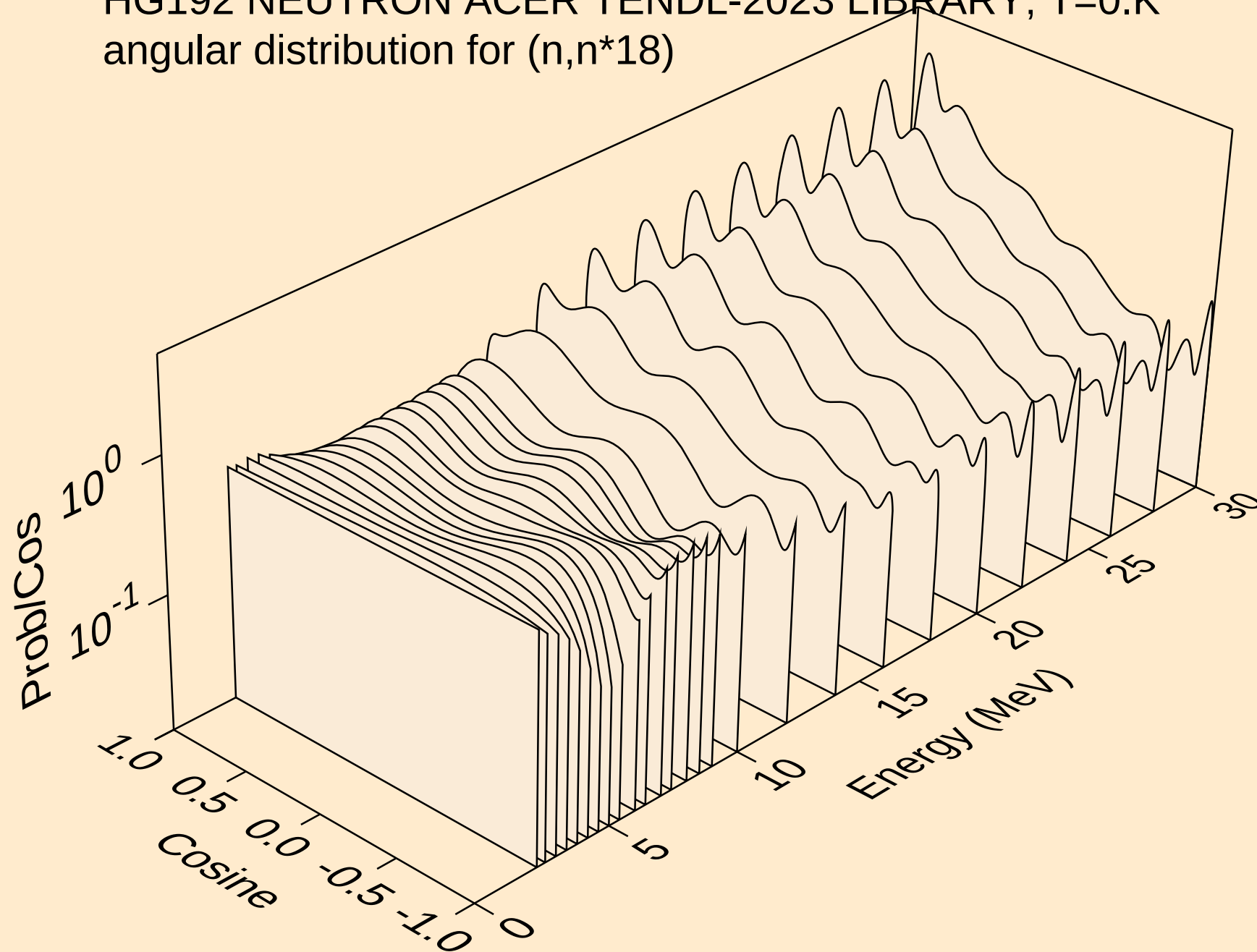
HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*16)



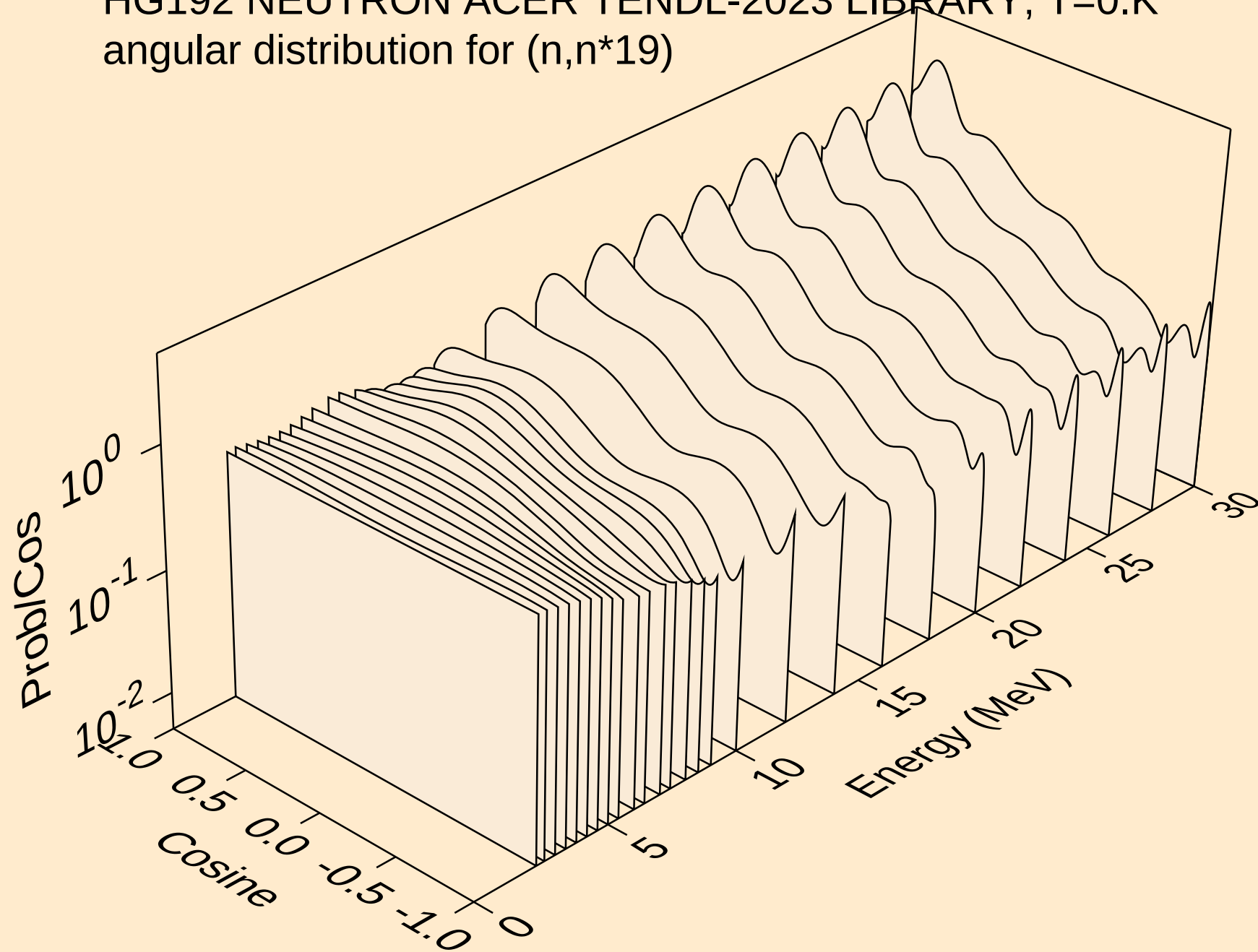
HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*17)



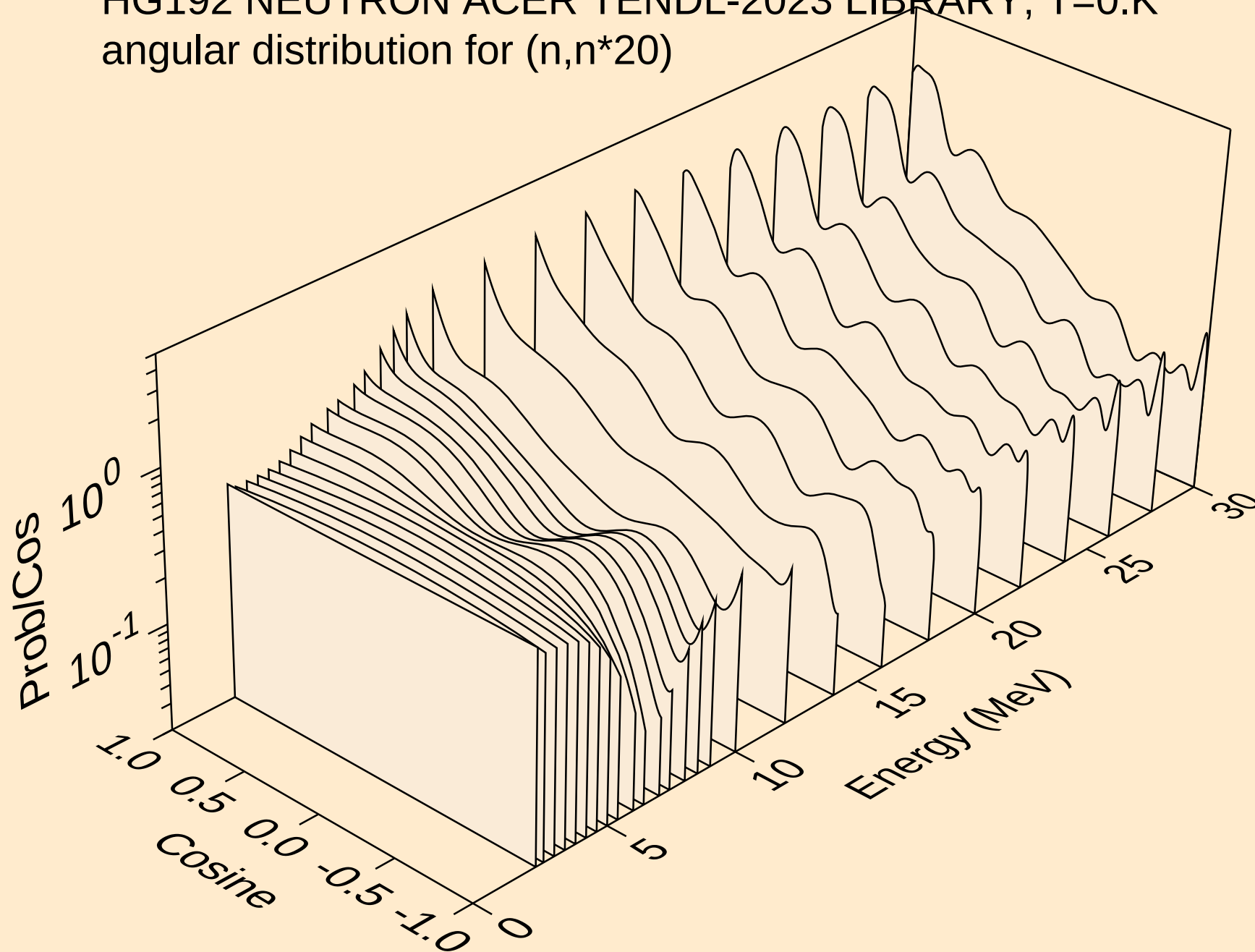
HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*18)



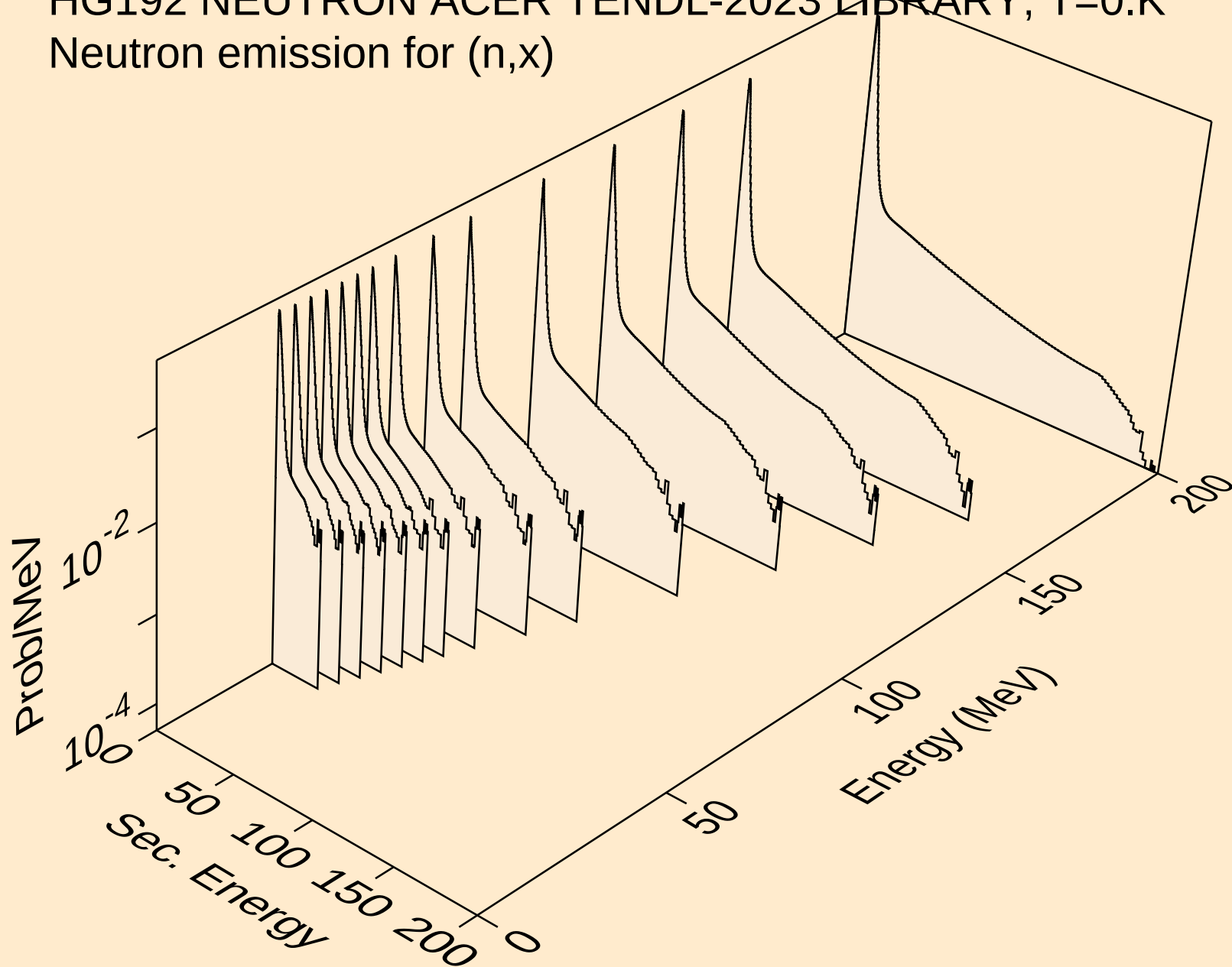
HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*19)



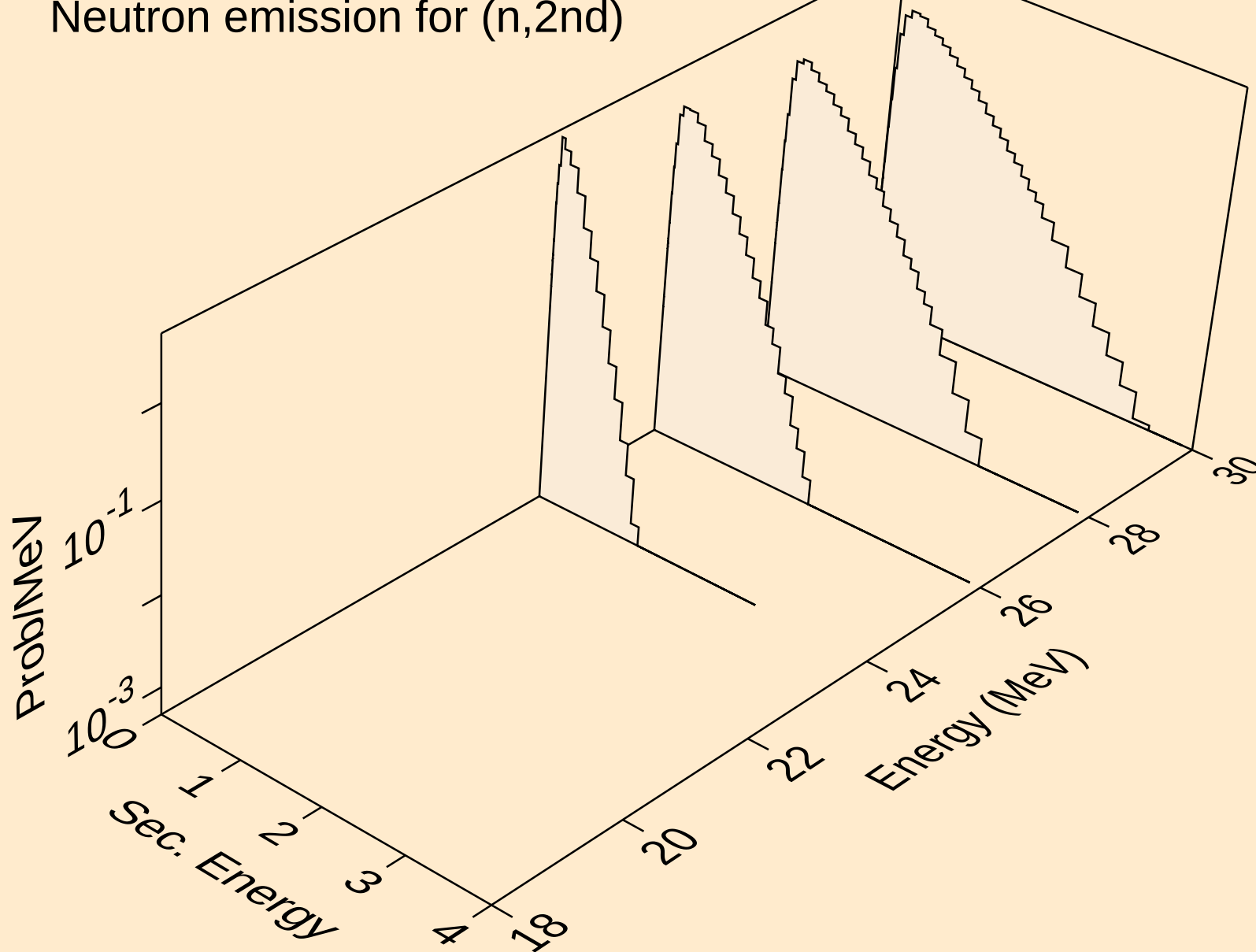
HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*20)



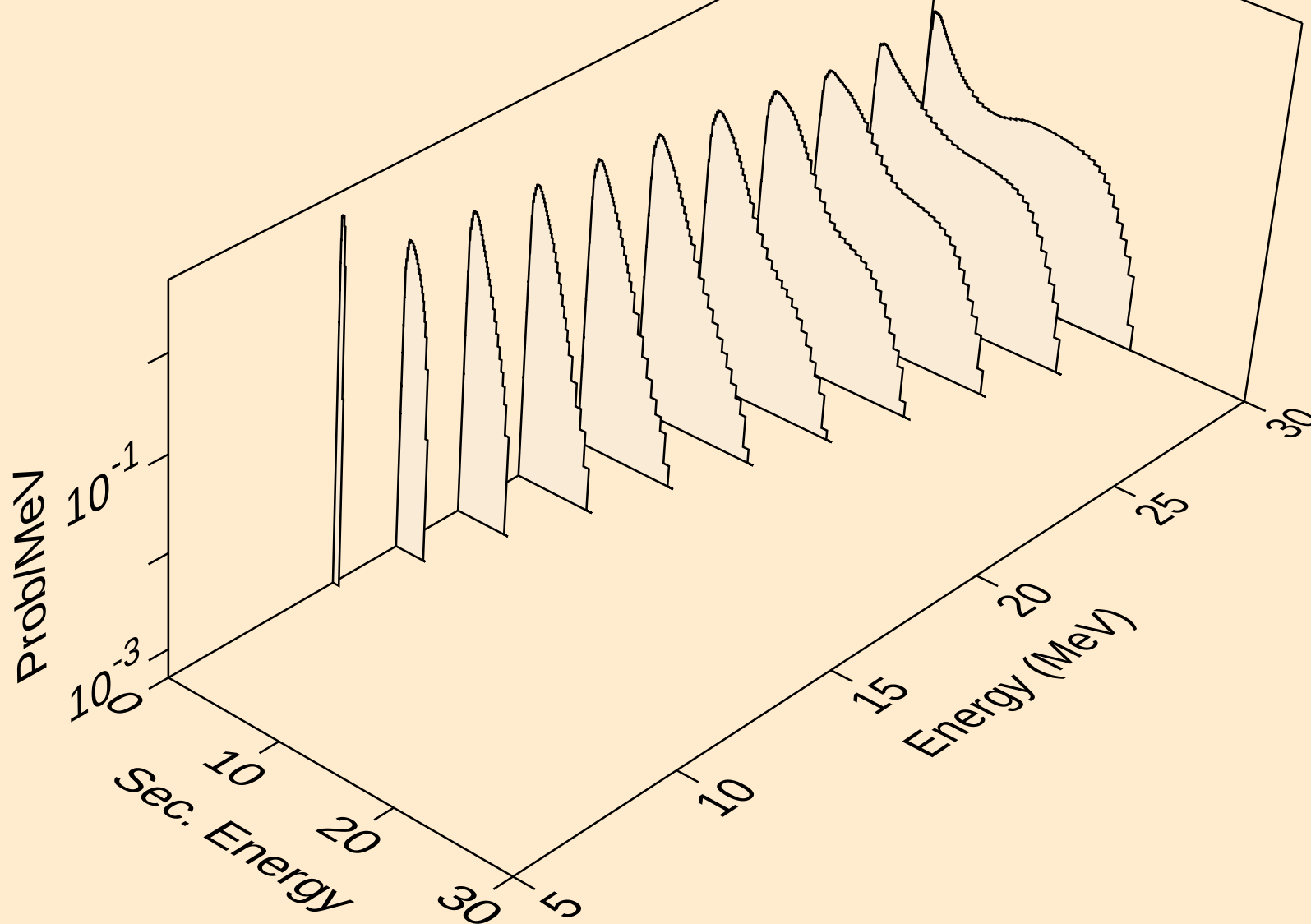
HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,x)



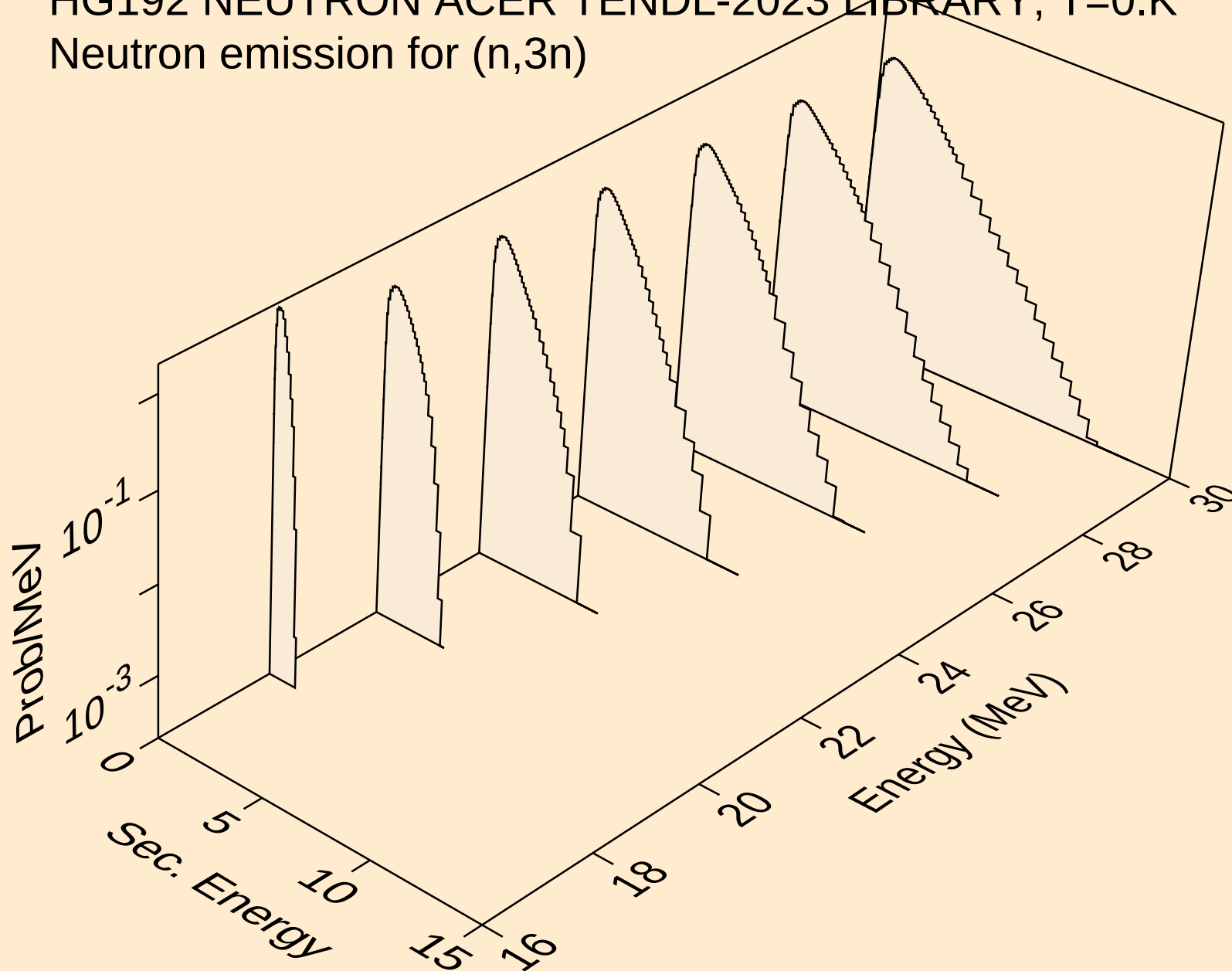
HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



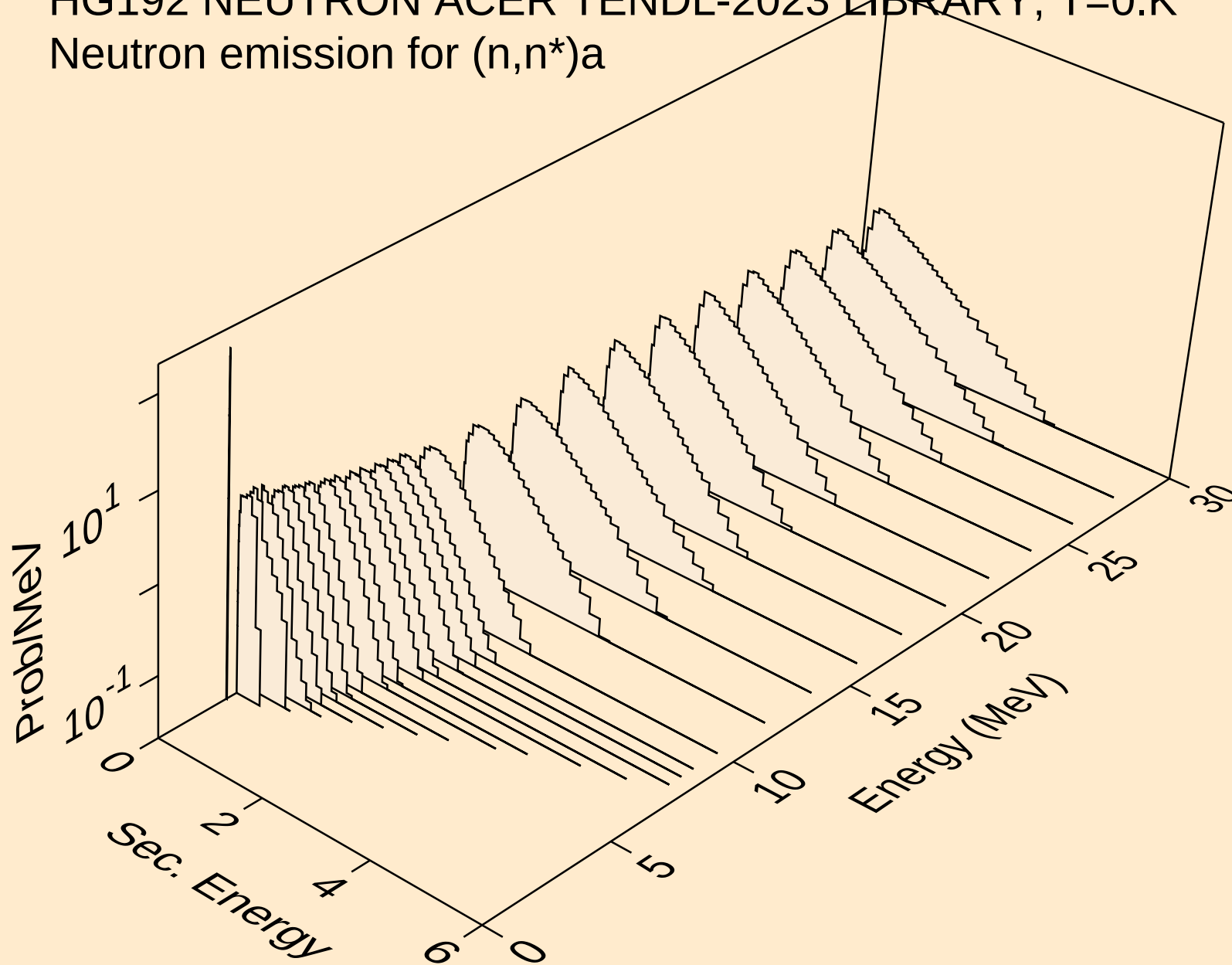
HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)



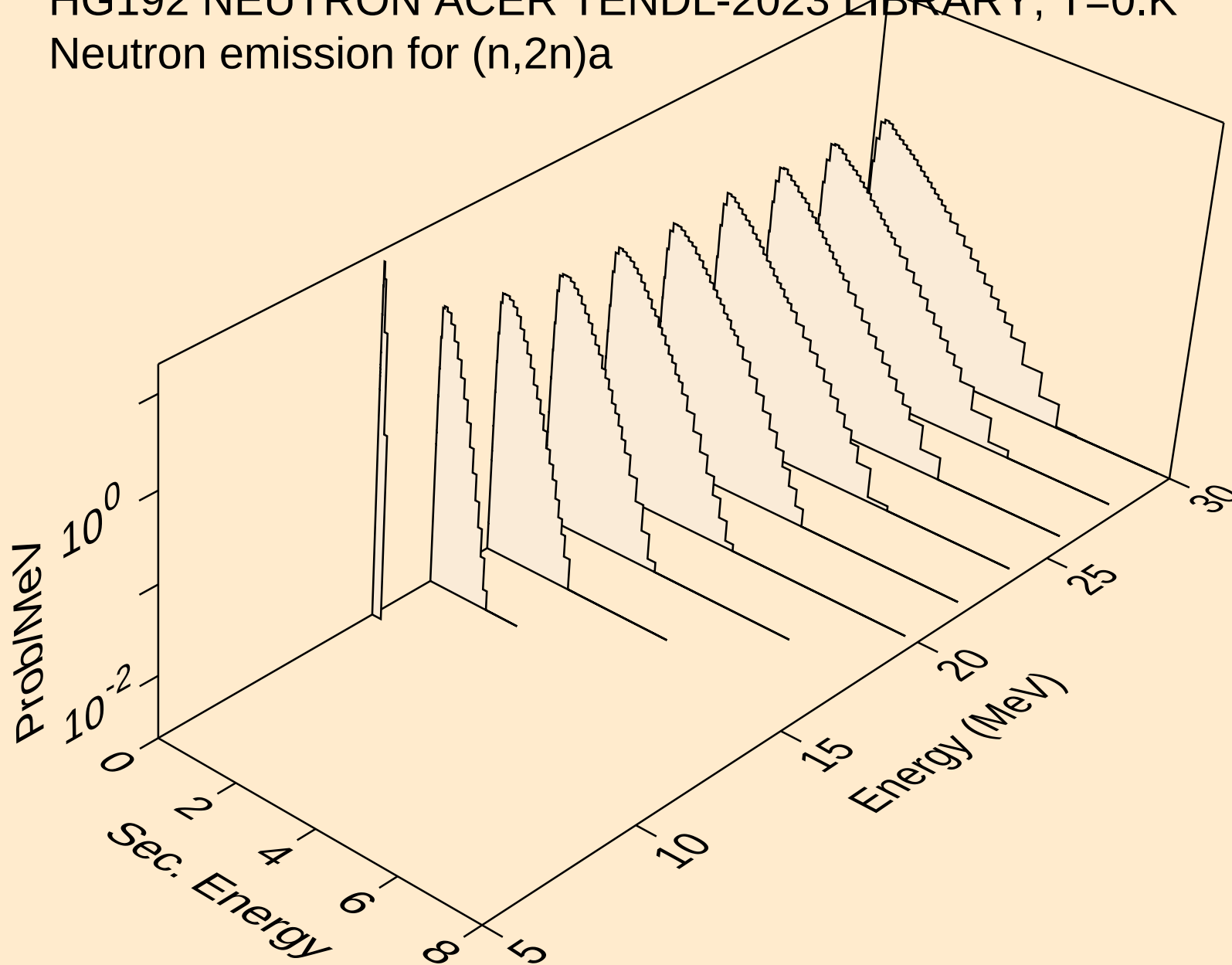
HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)



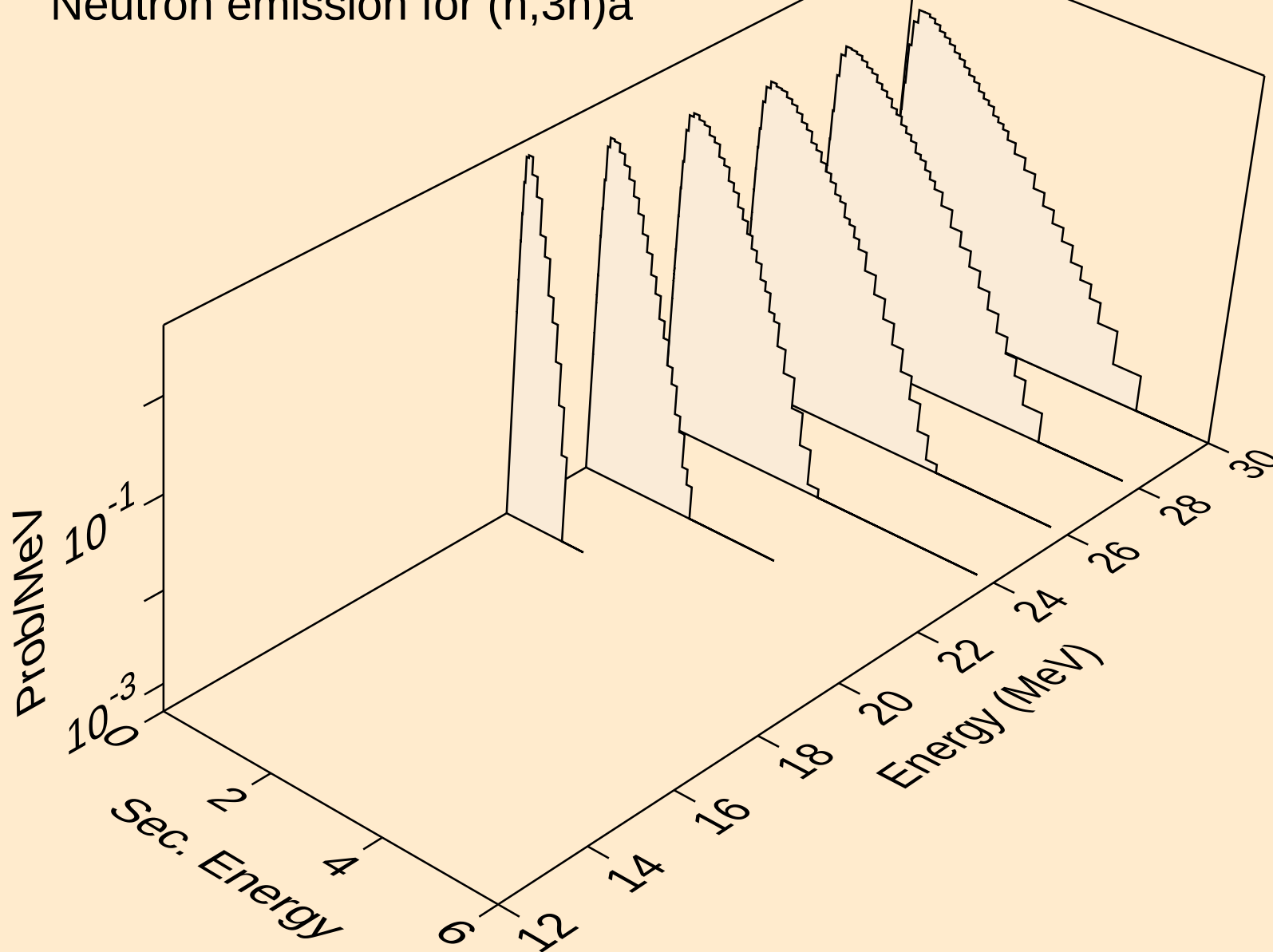
HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



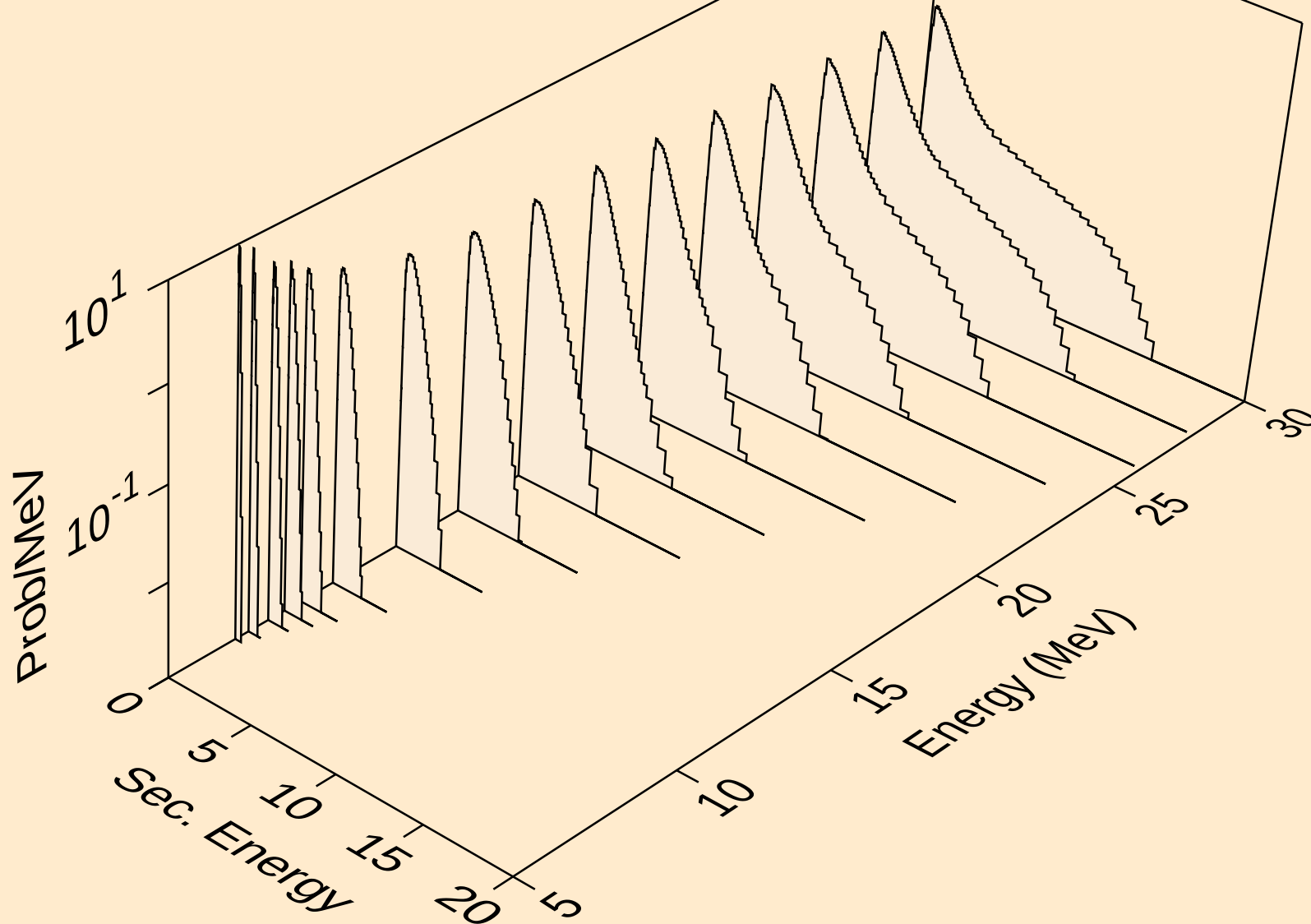
HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)<sub>a</sub>



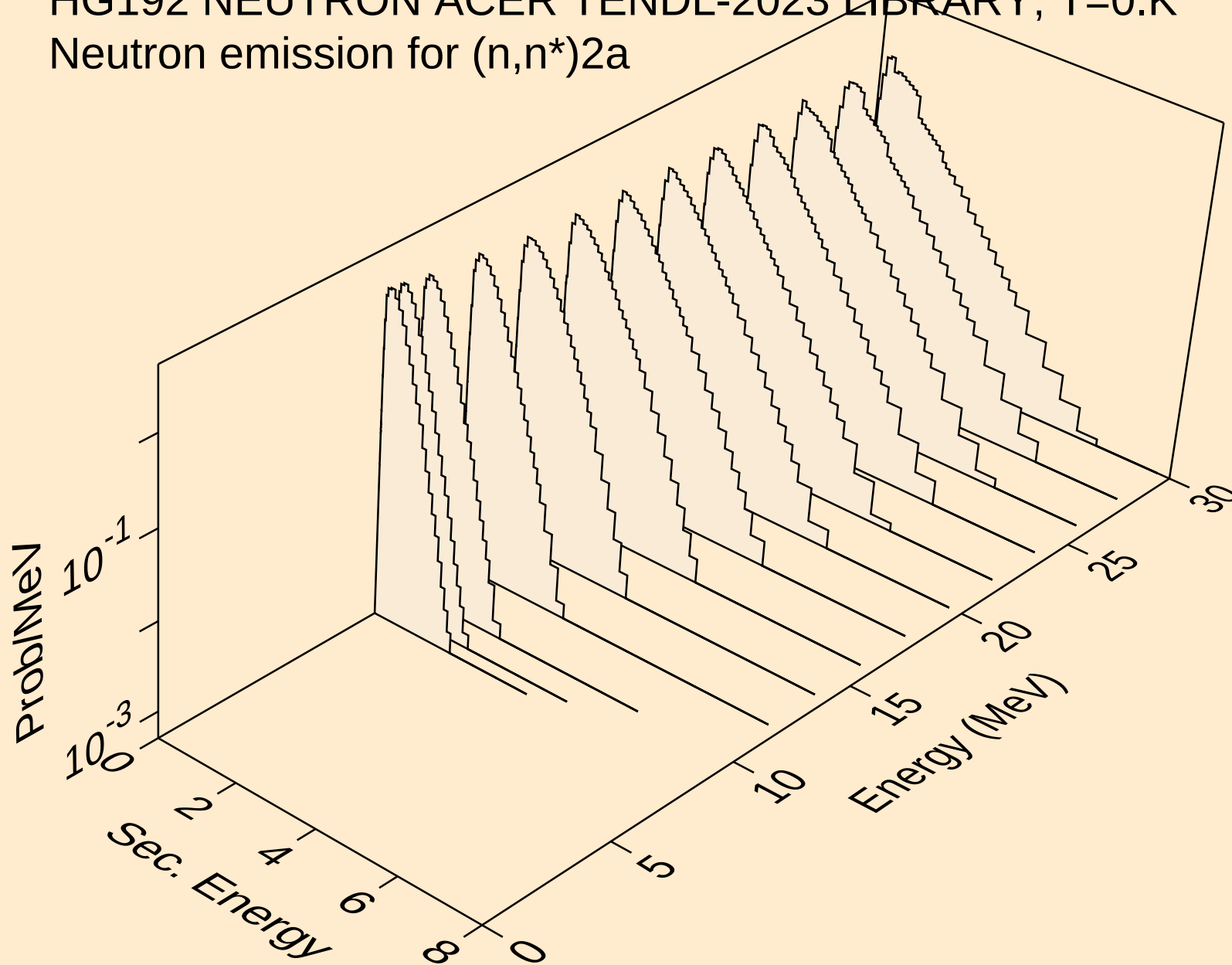
HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)a



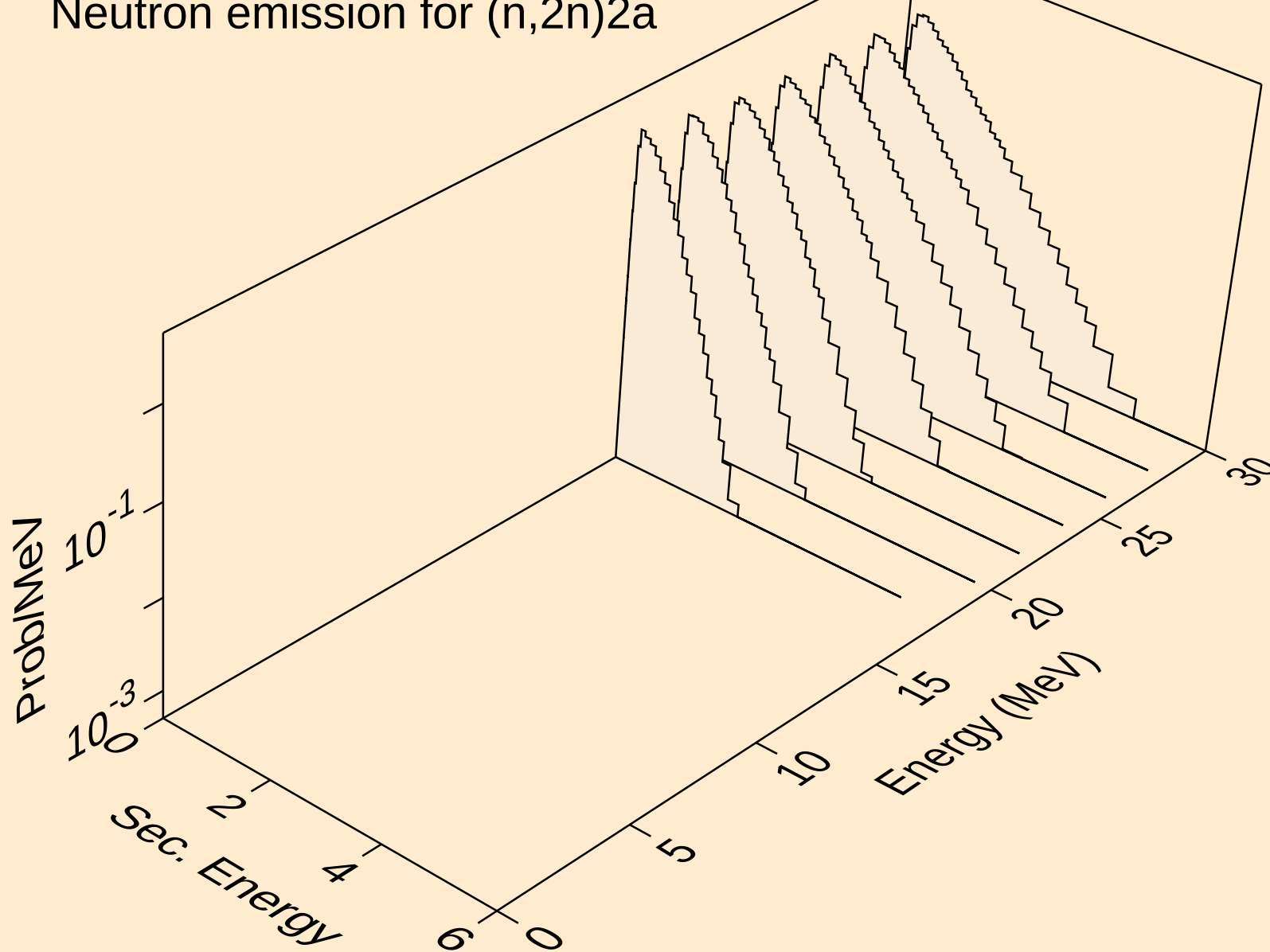
HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



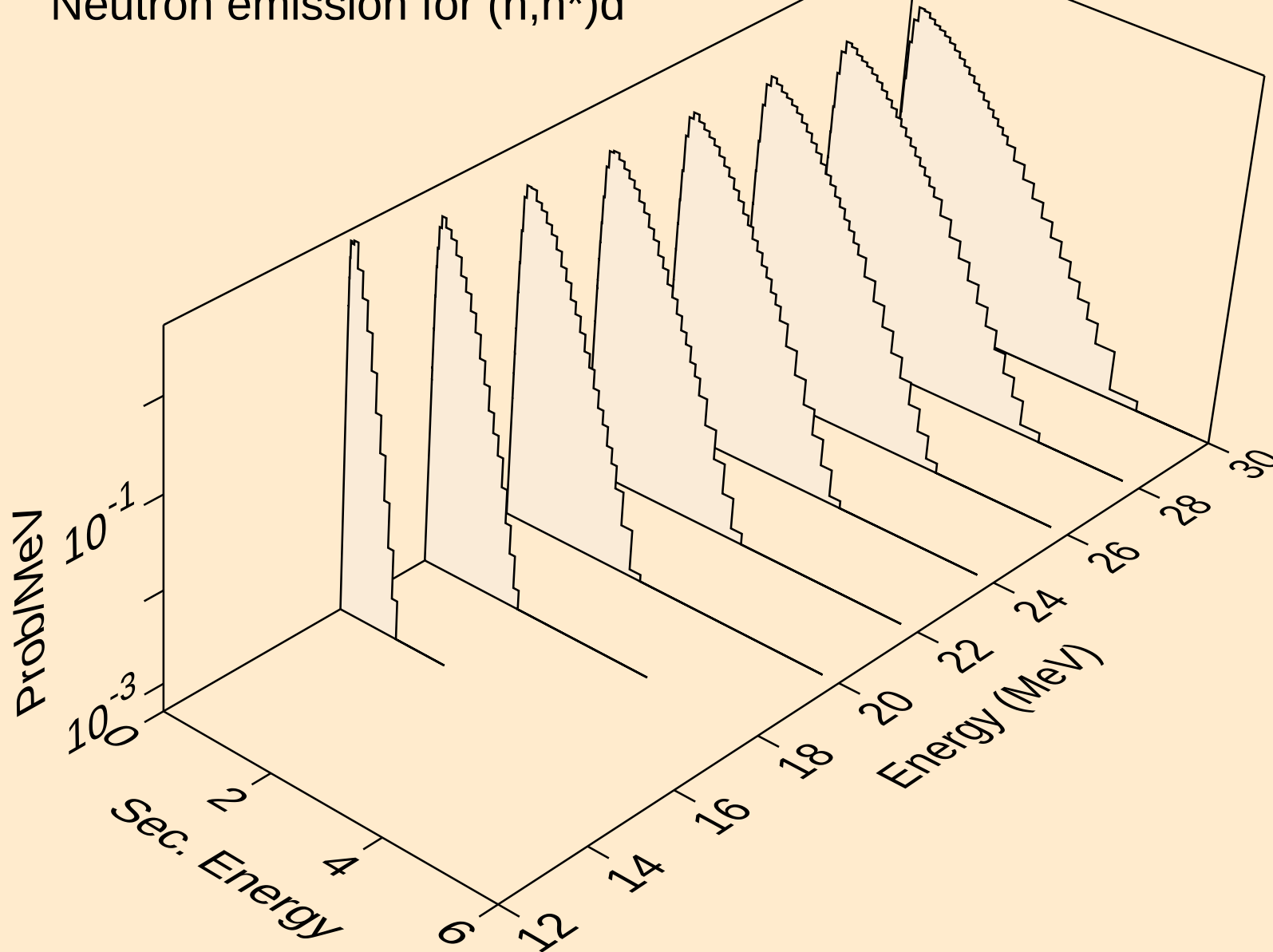
HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)2a



HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)2a

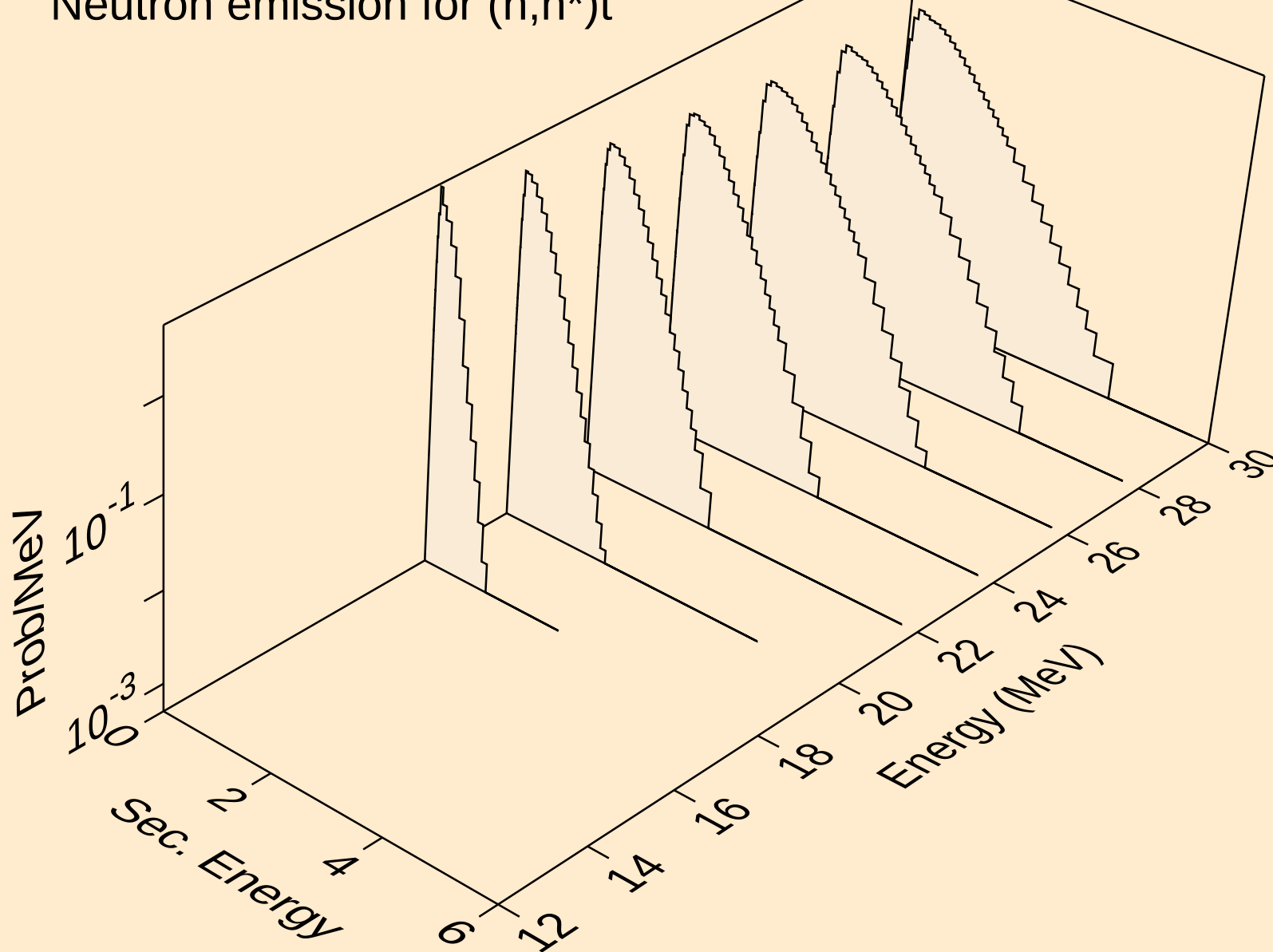


HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d

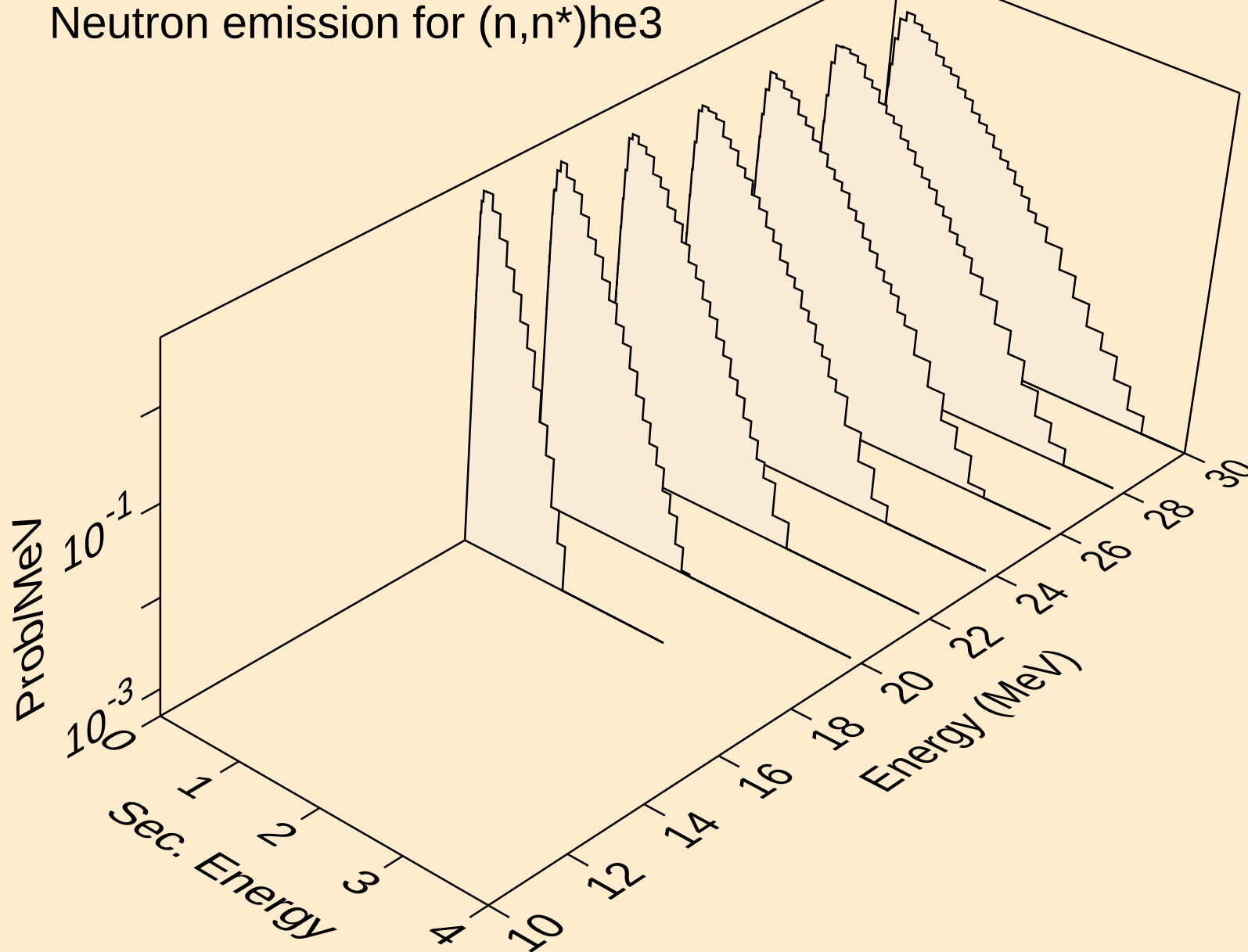


HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

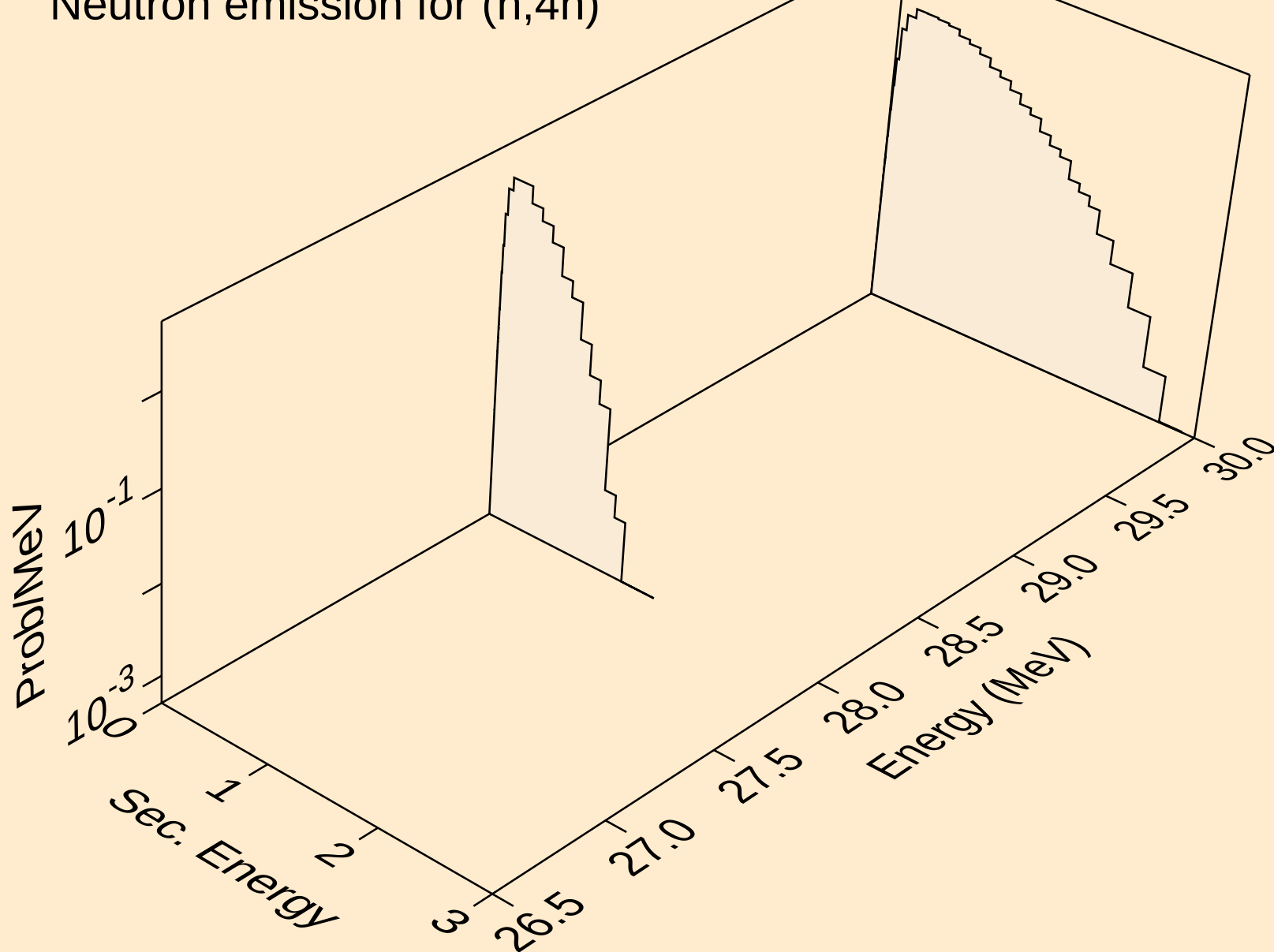
Neutron emission for (n,n\*)t



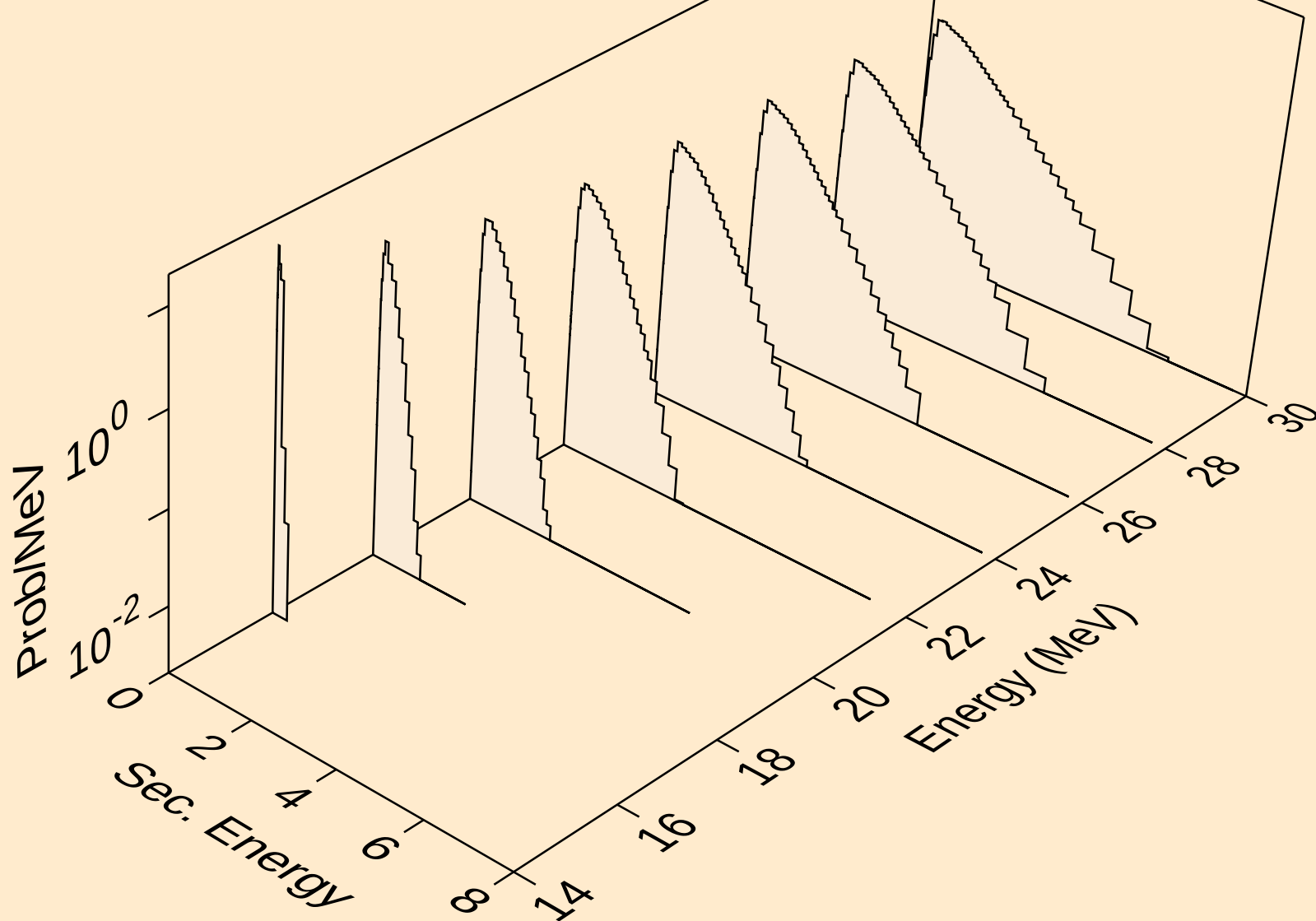
HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



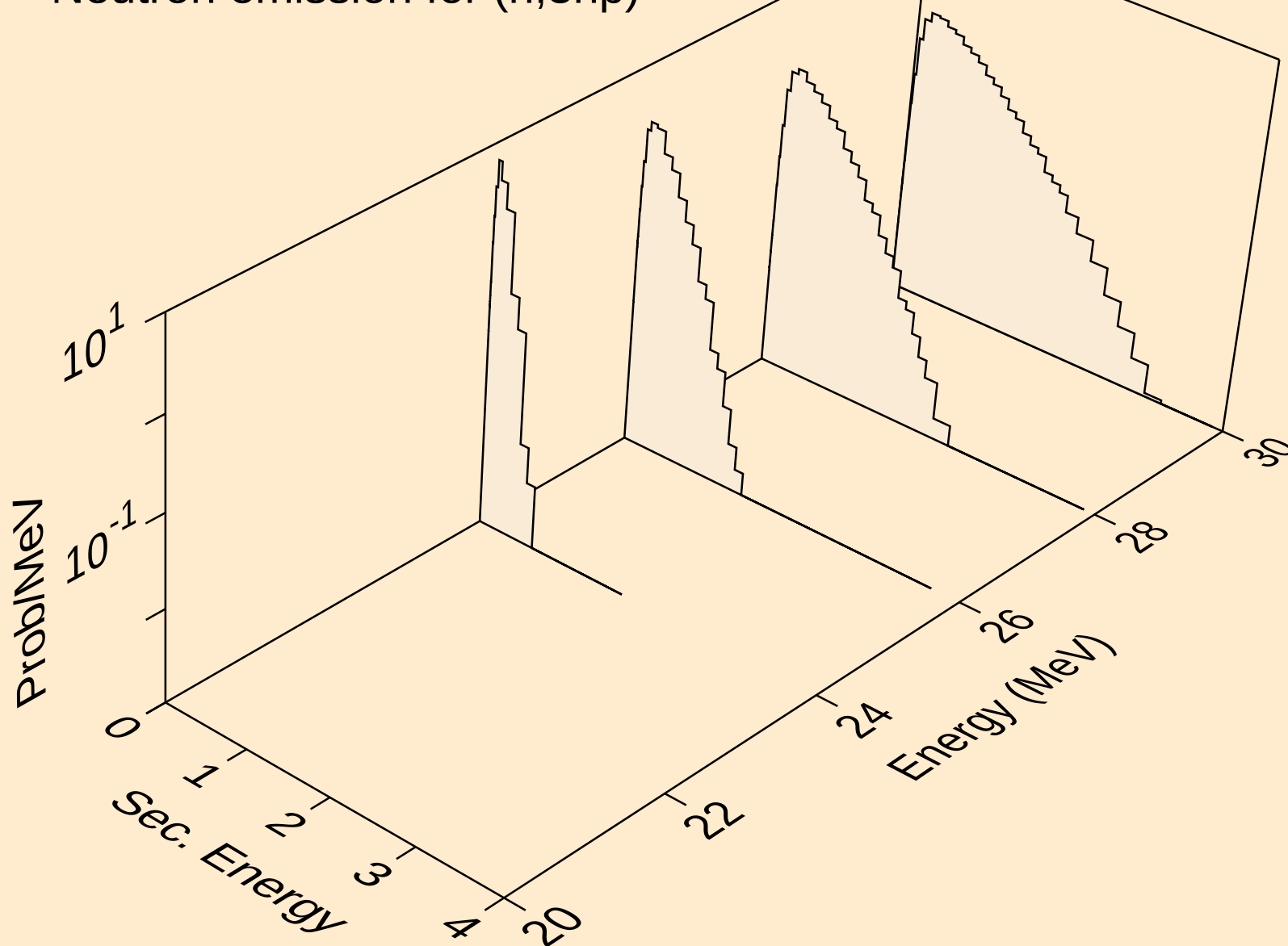
HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,4n)



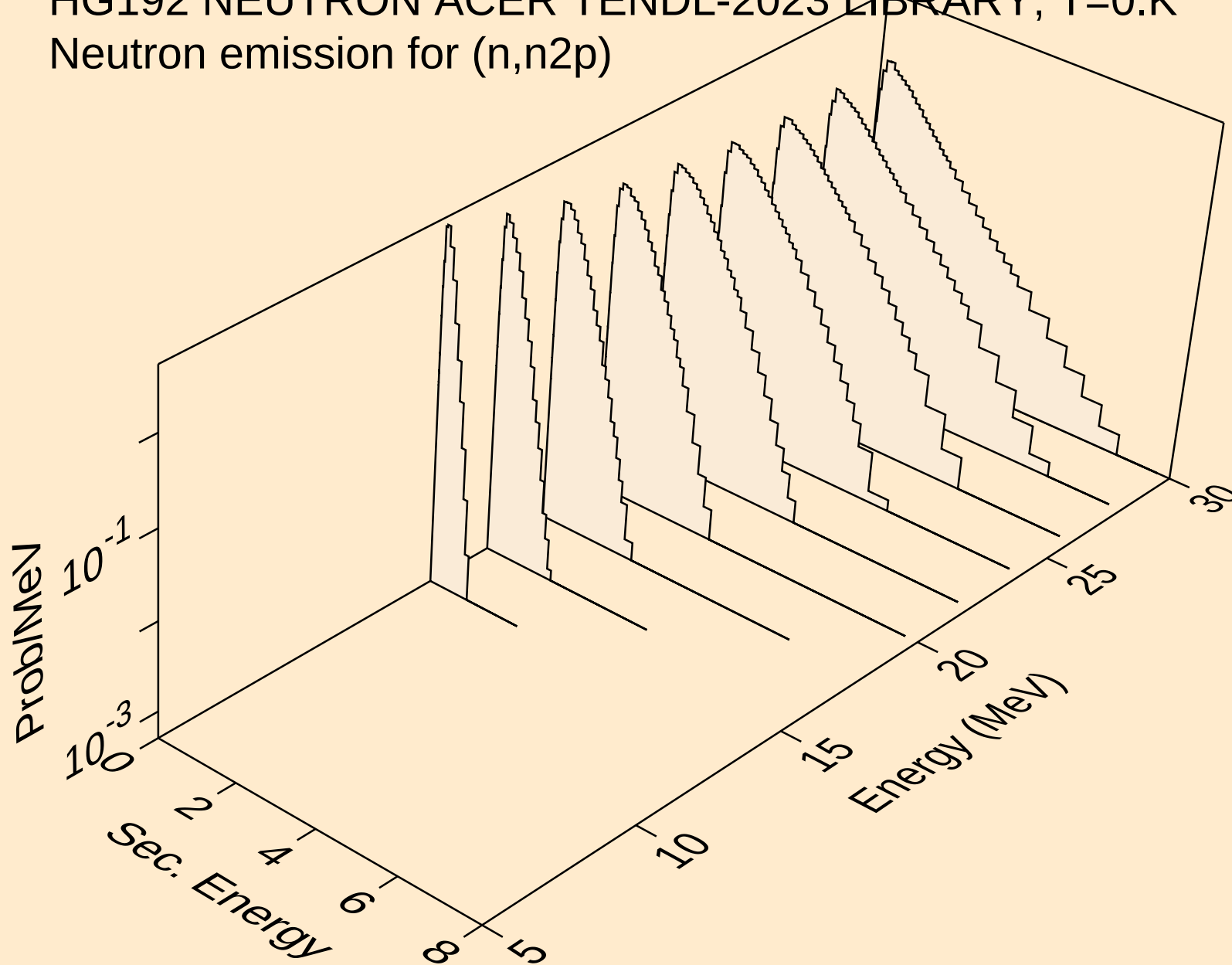
HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2np)



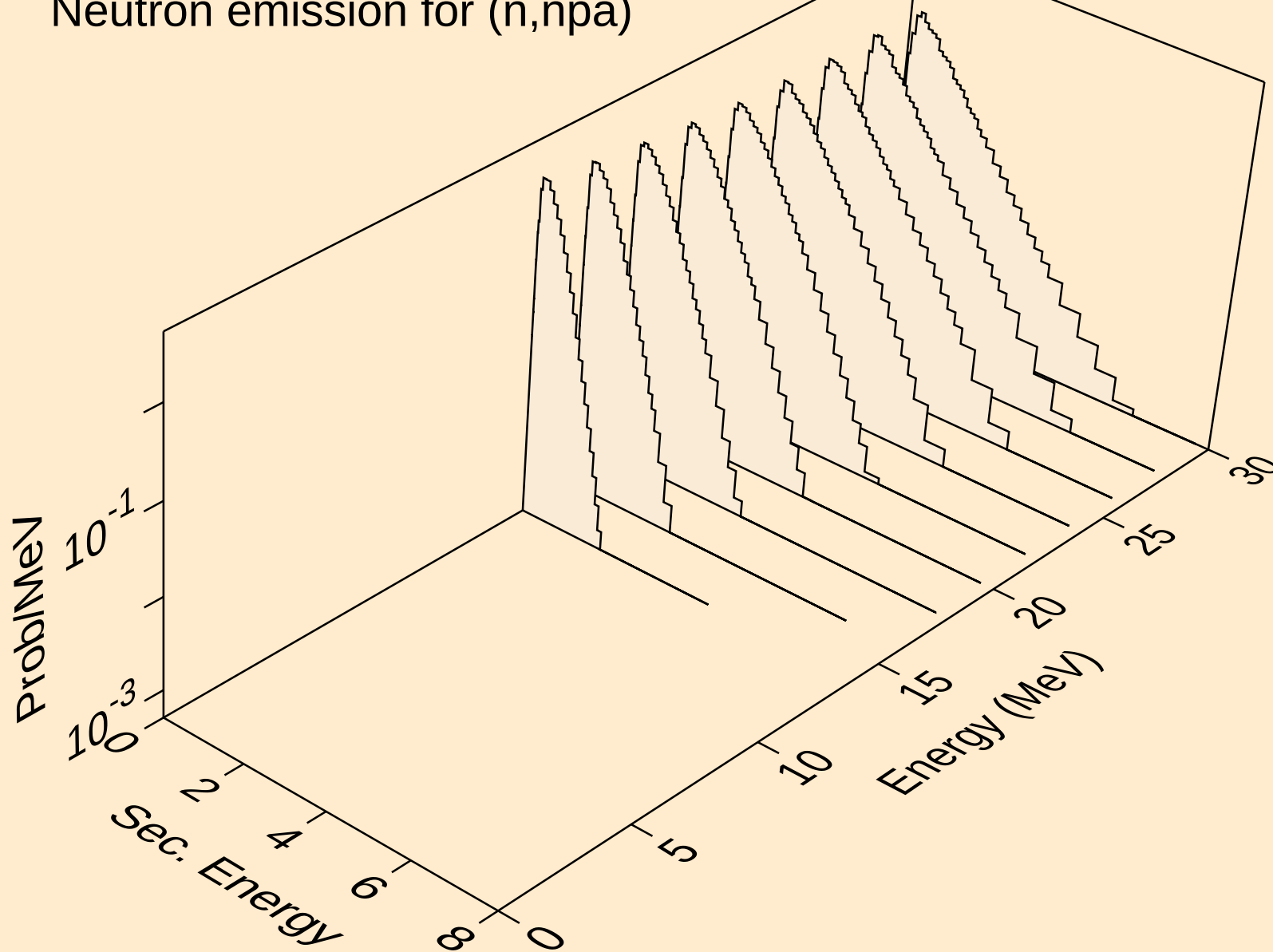
HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3np)



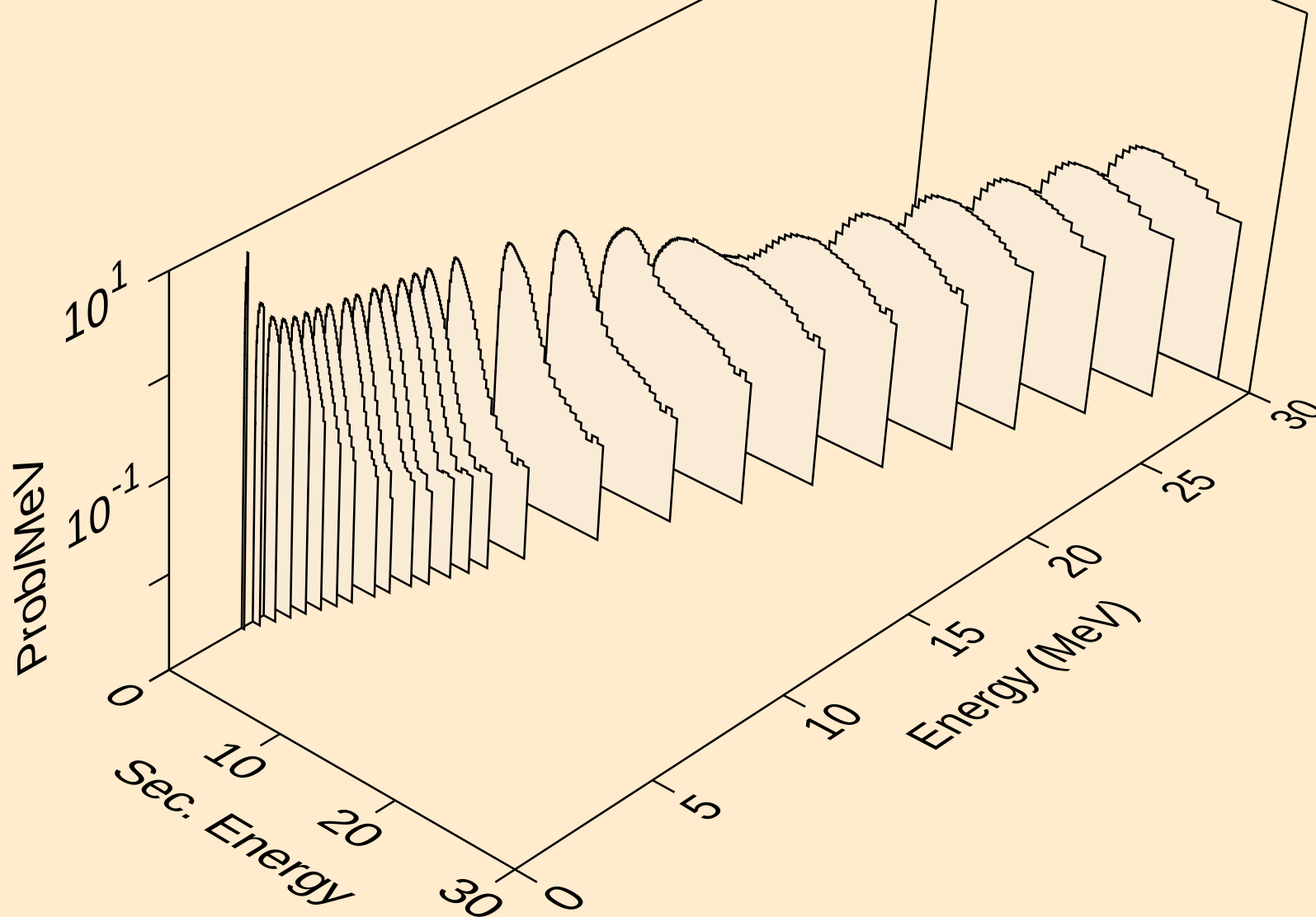
HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n2p)



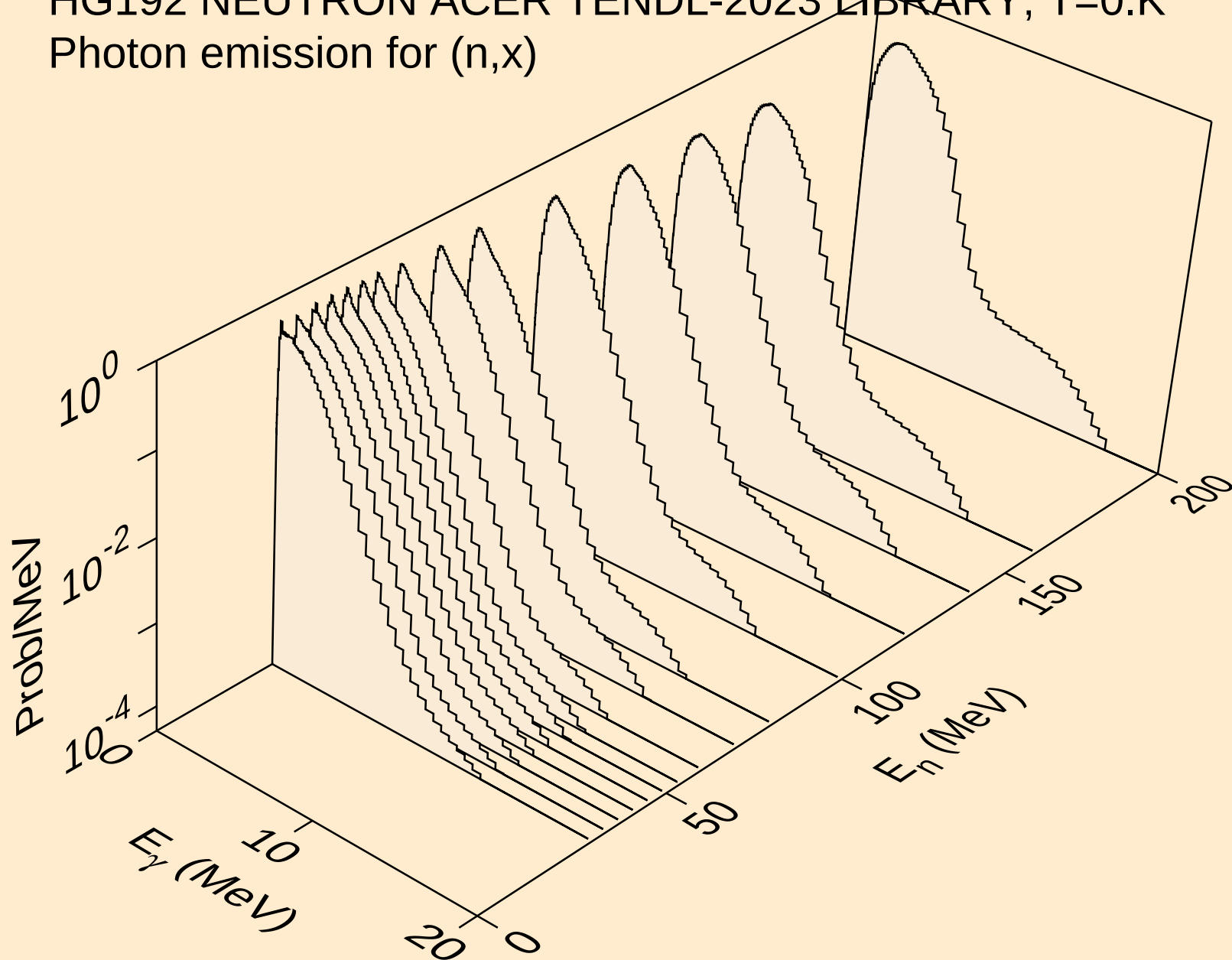
HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,npa)



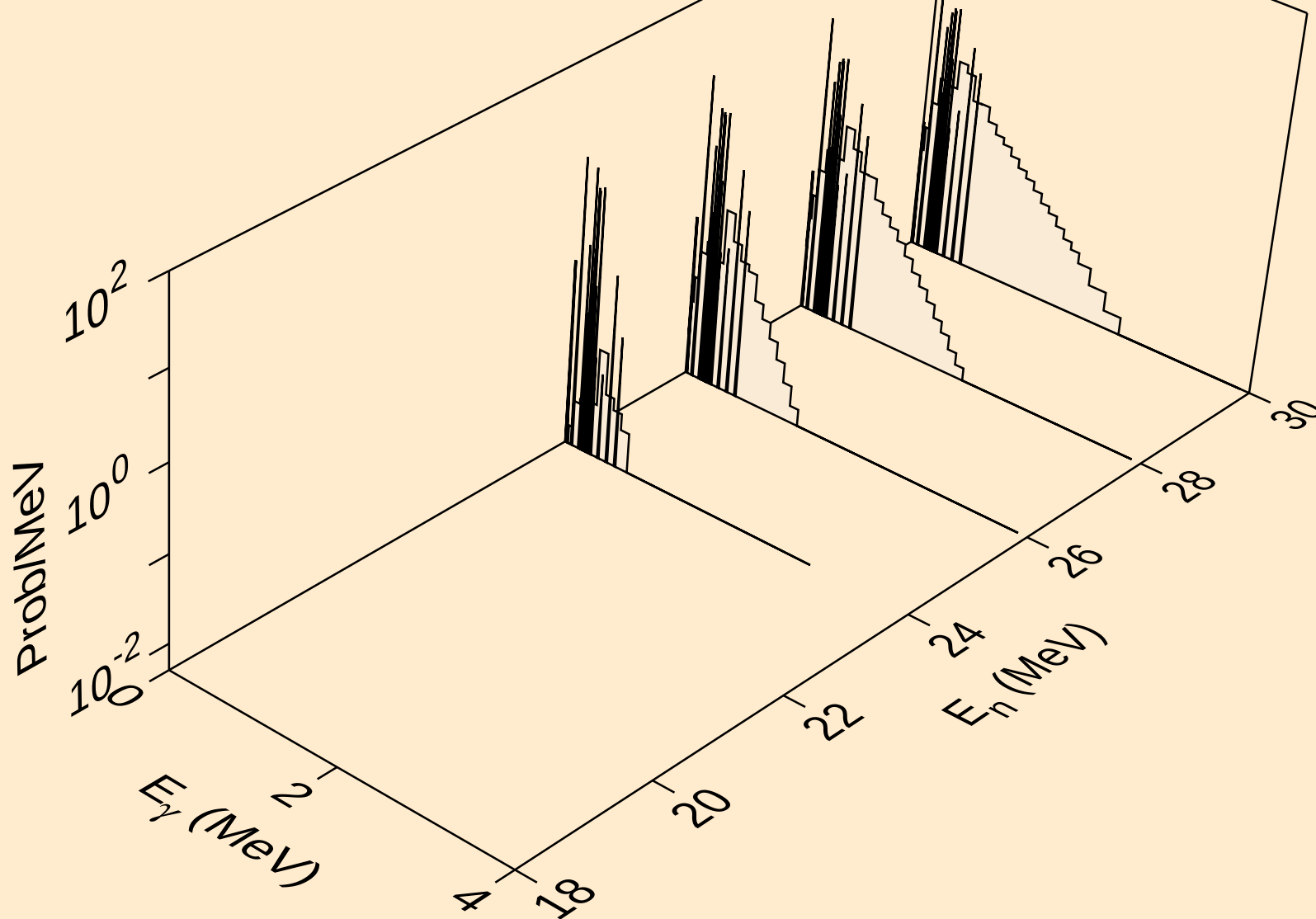
HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)



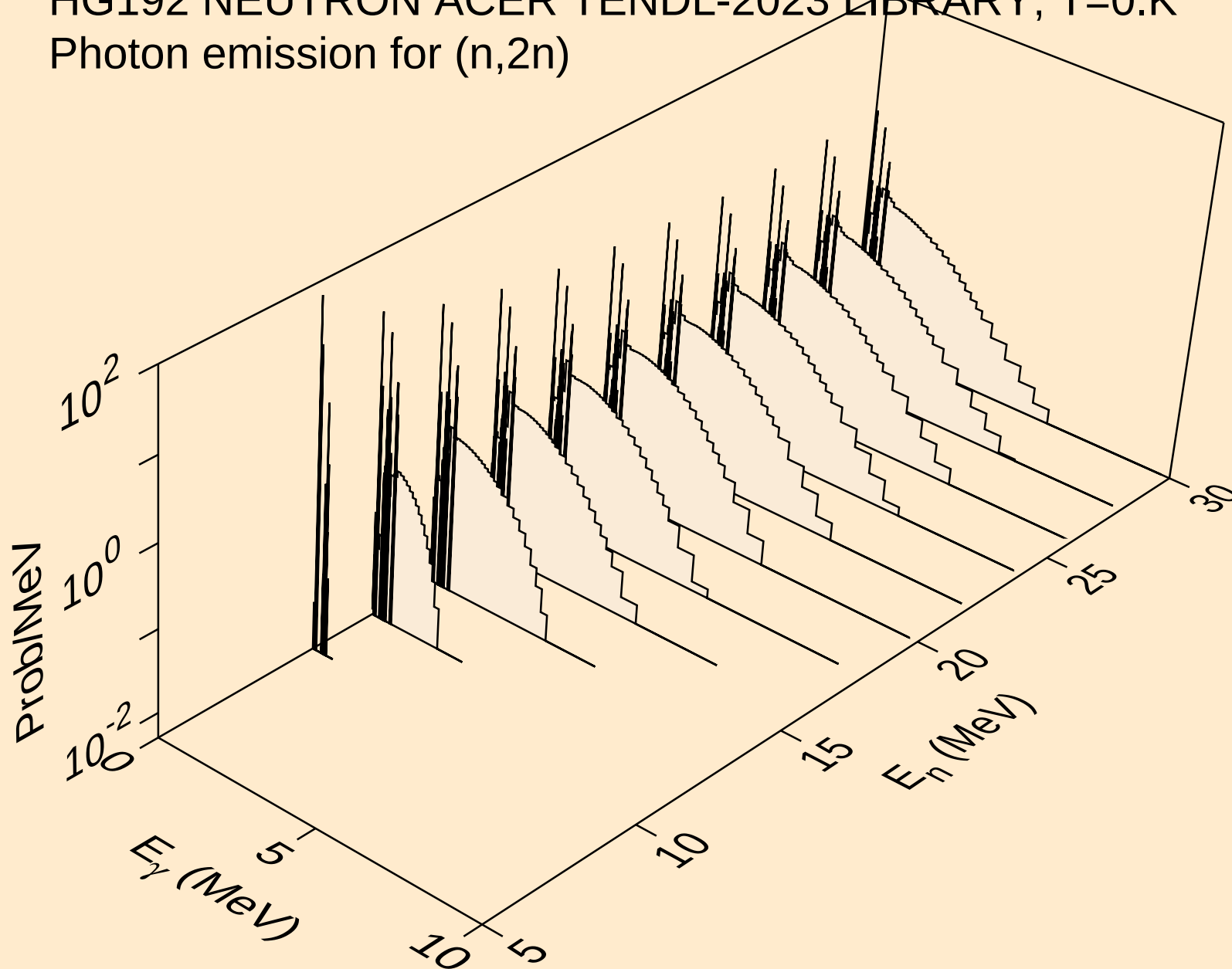
HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,x)



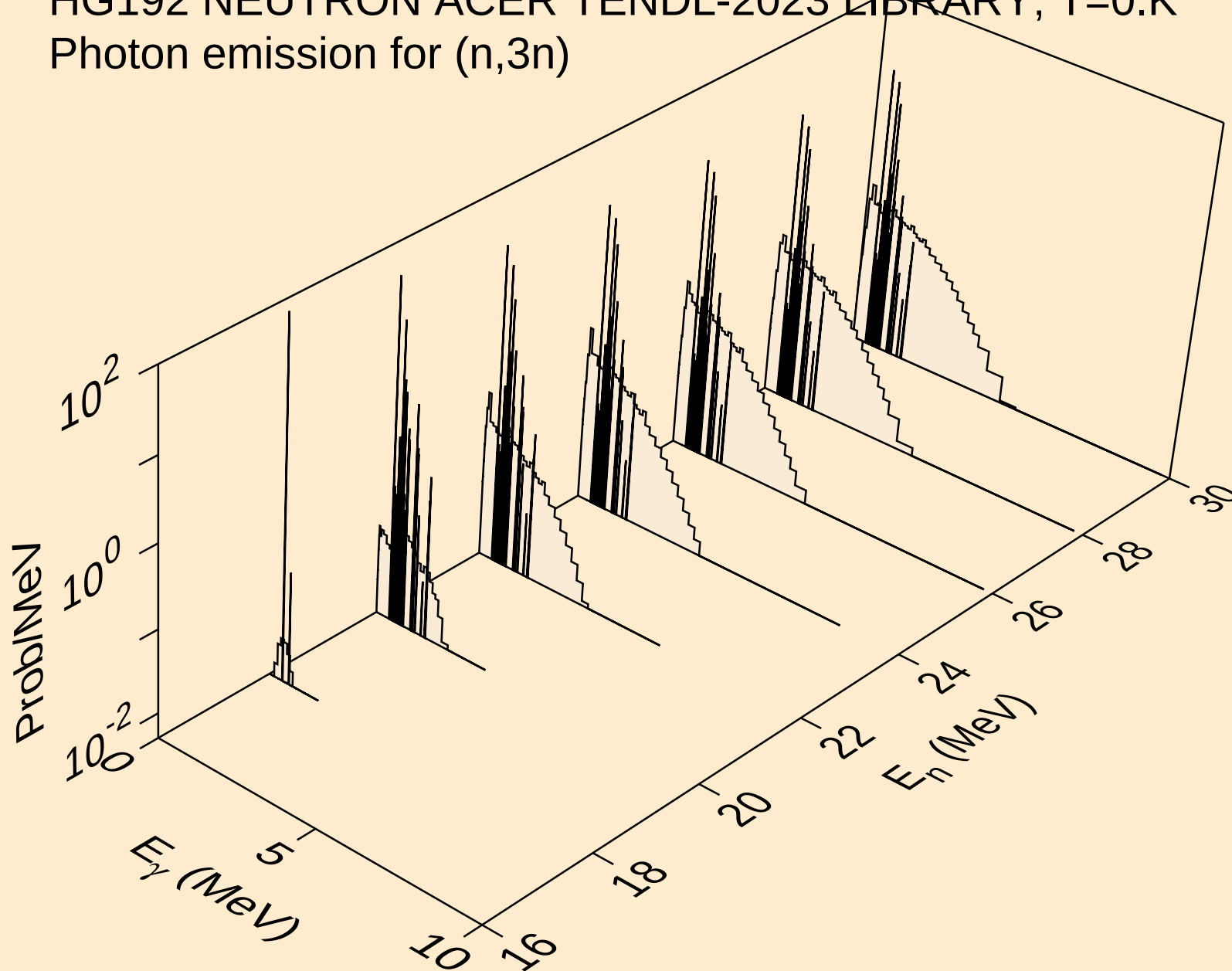
HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



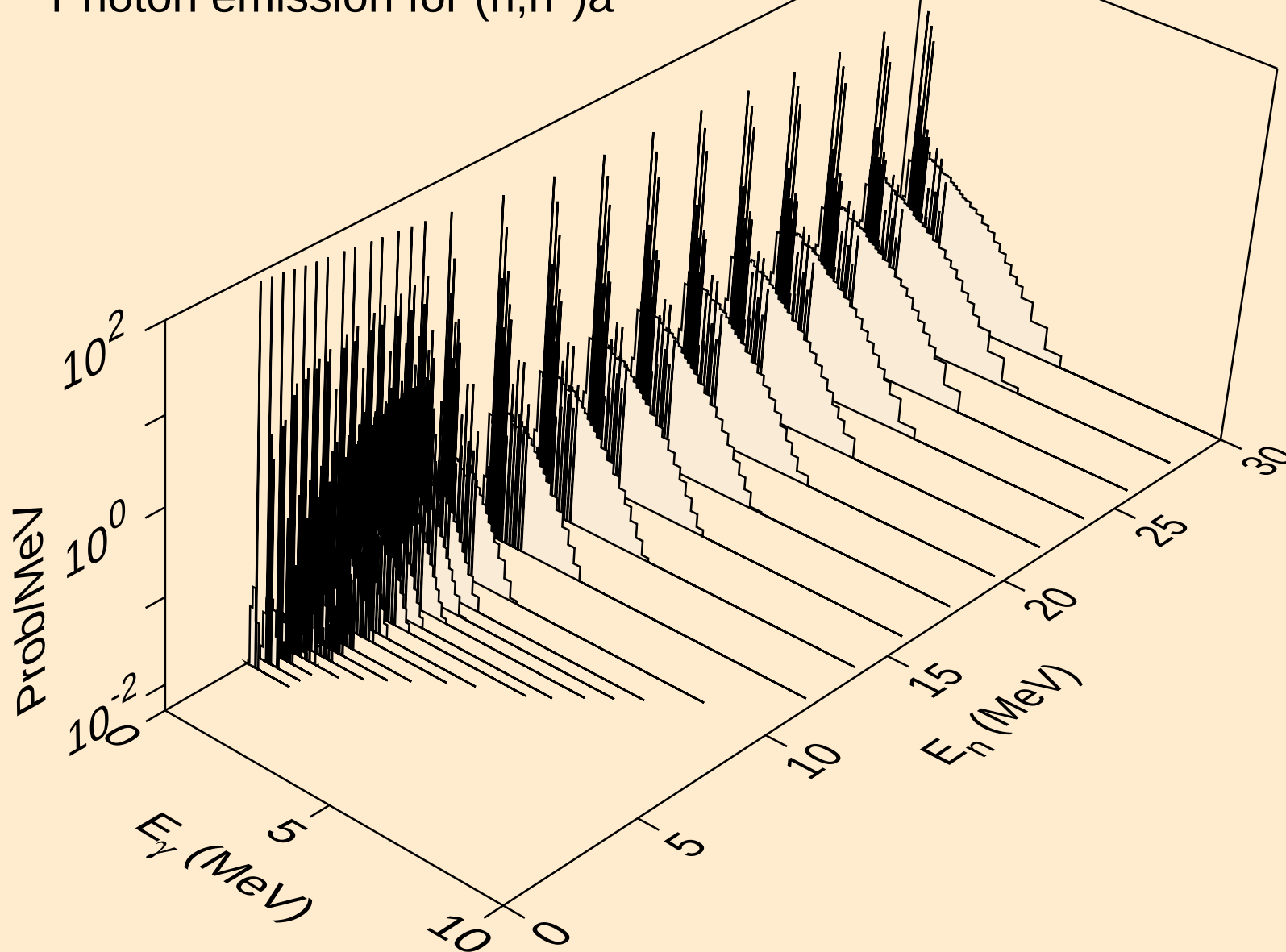
HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



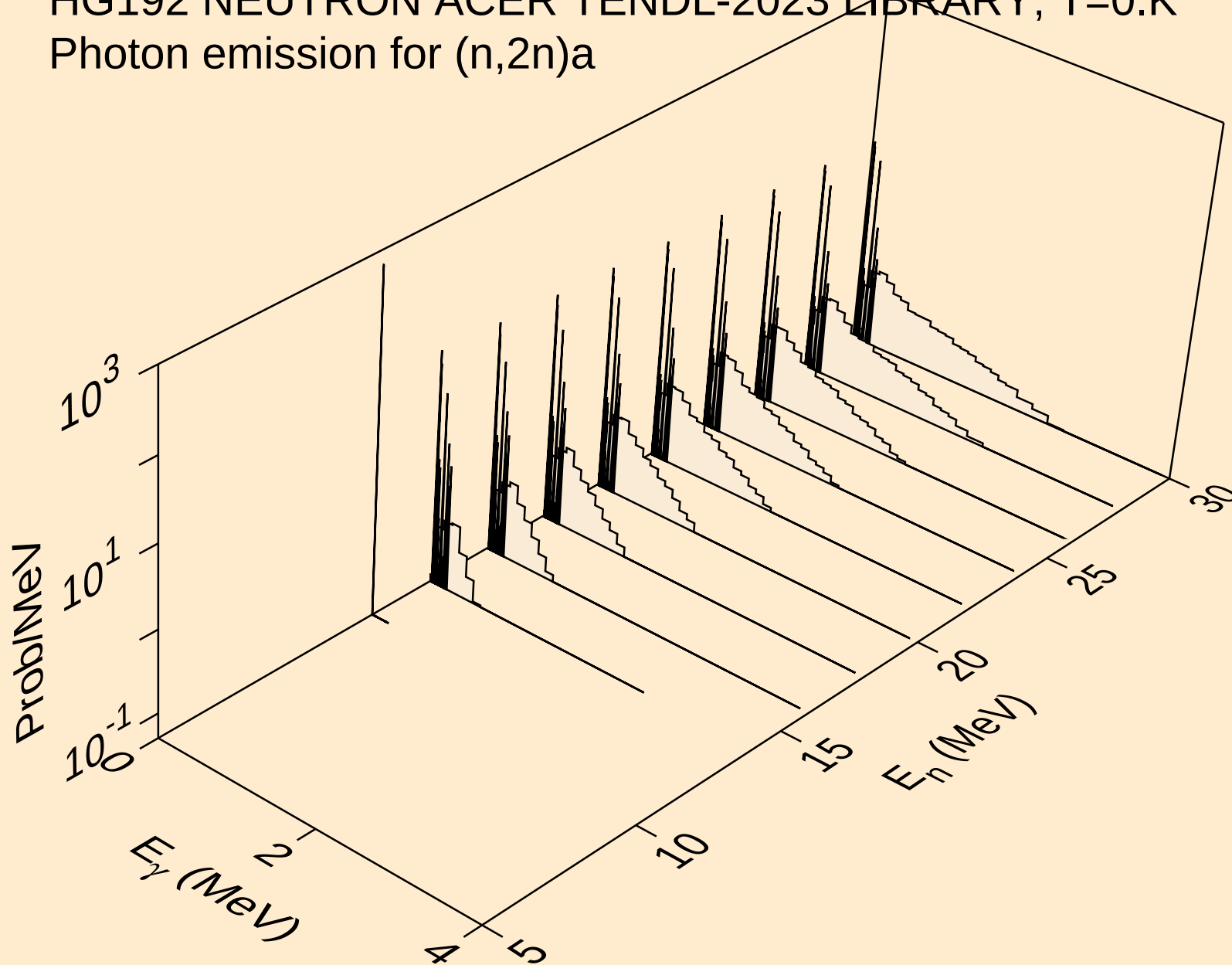
HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



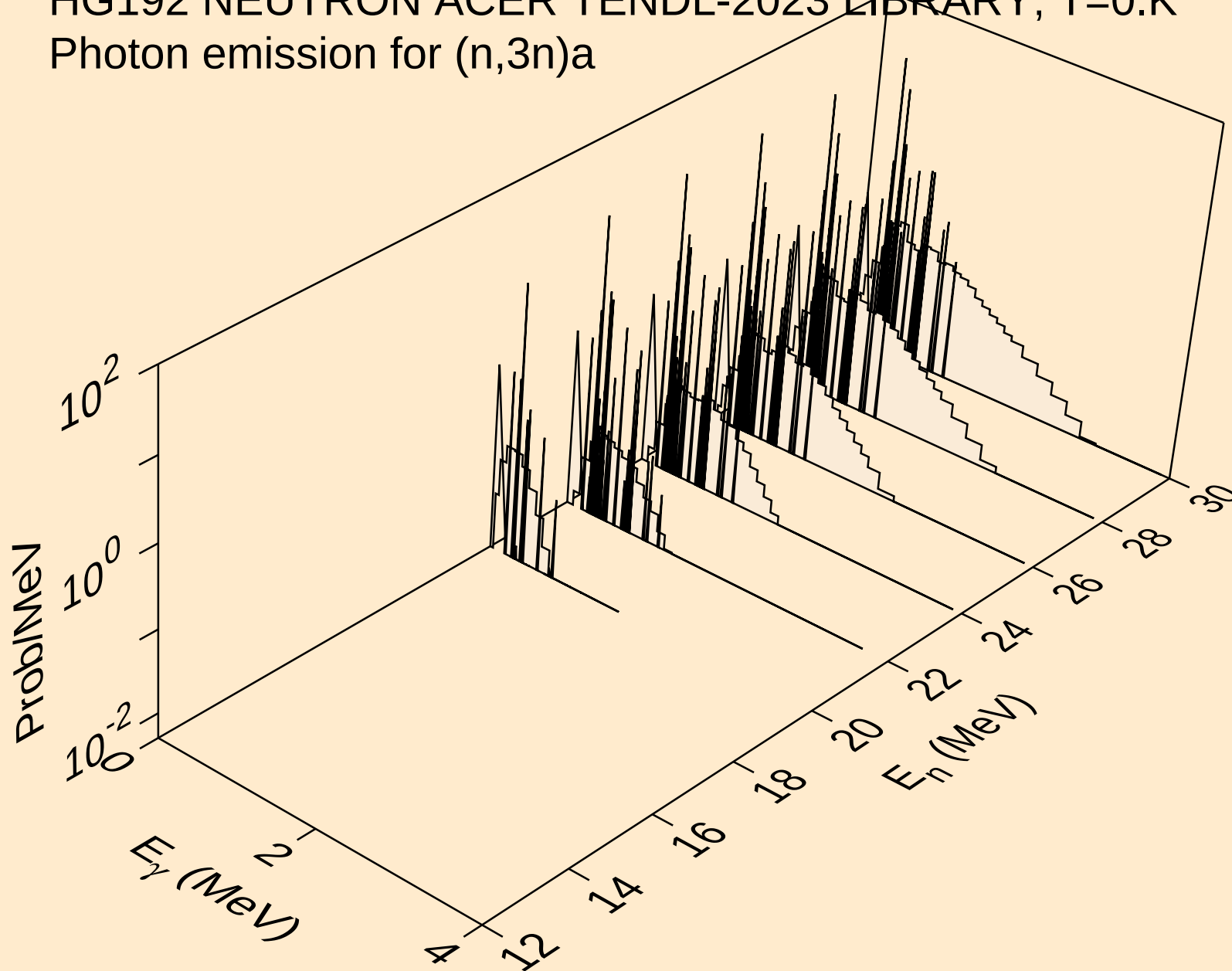
HG192 NEUTRON ACER TENDL-2023 LIBRARY;  $T=0.K$   
Photon emission for  $(n,n^*)a$



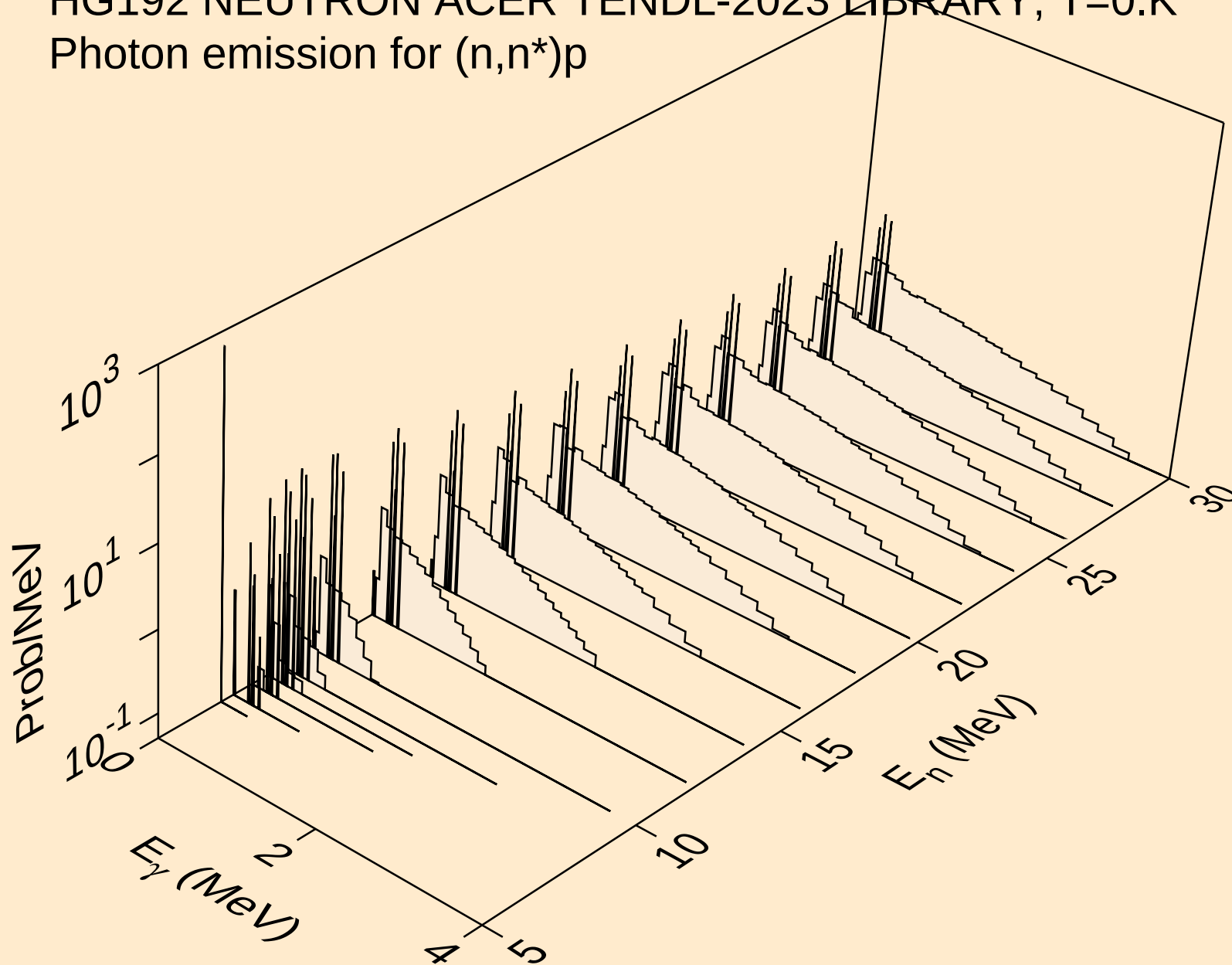
HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n) $\alpha$



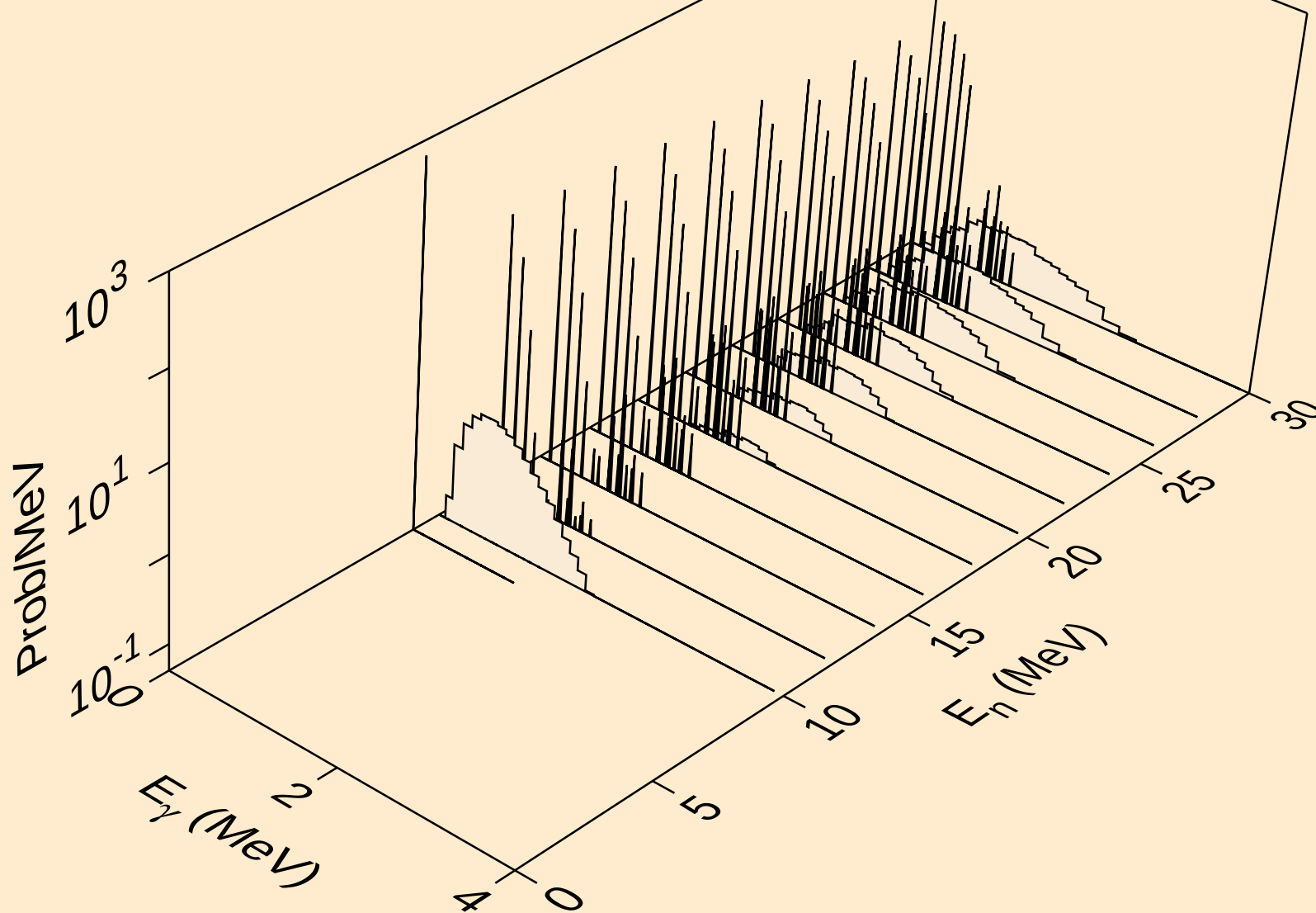
HG192 NEUTRON ACER TENDL-2023 LIBRARY;  $T=0.K$   
Photon emission for  $(n,3n)\alpha$



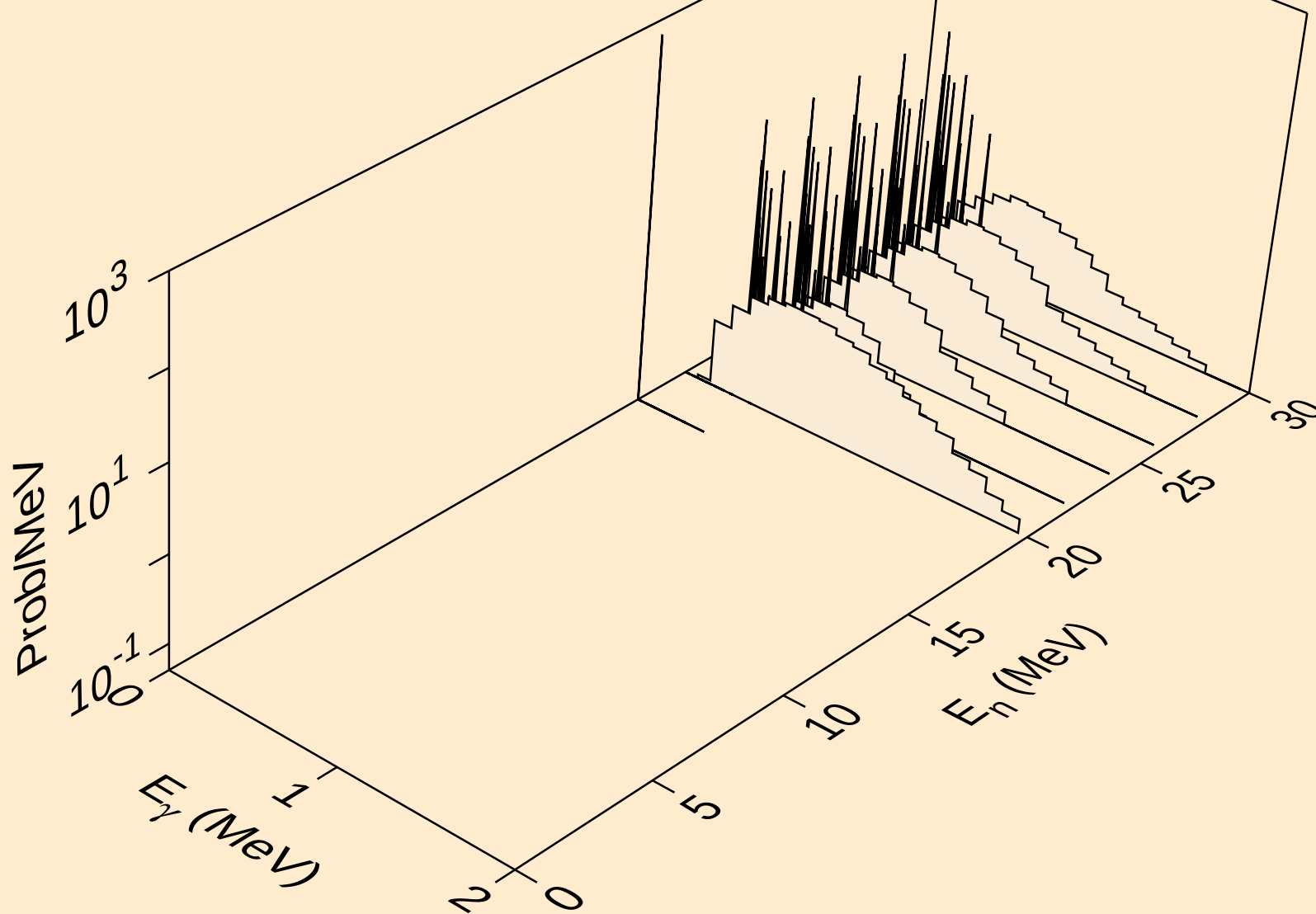
HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



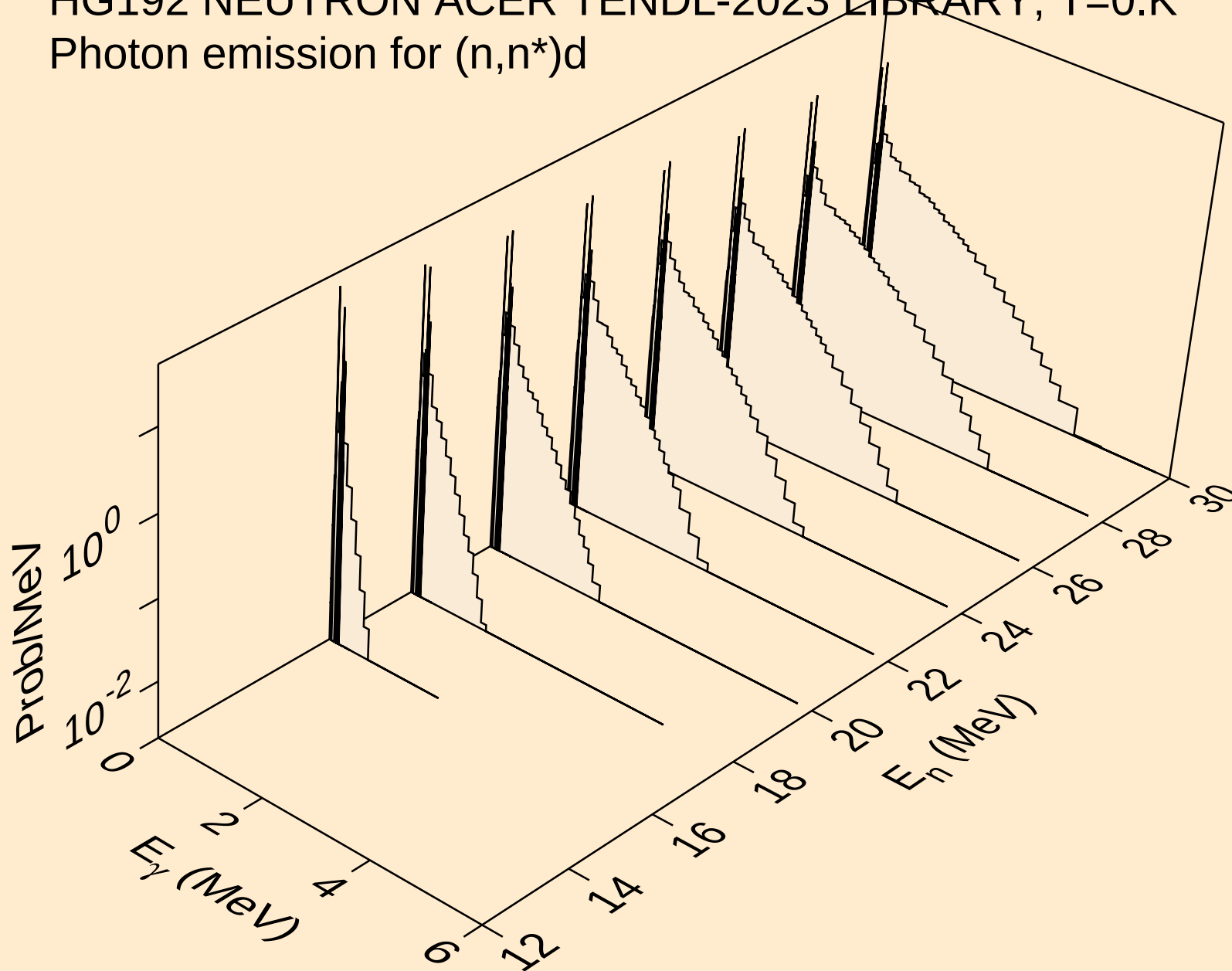
HG192 NEUTRON ACER TENDL-2023 LIBRARY;  $T=0.K$   
Photon emission for  $(n,n^*)2a$



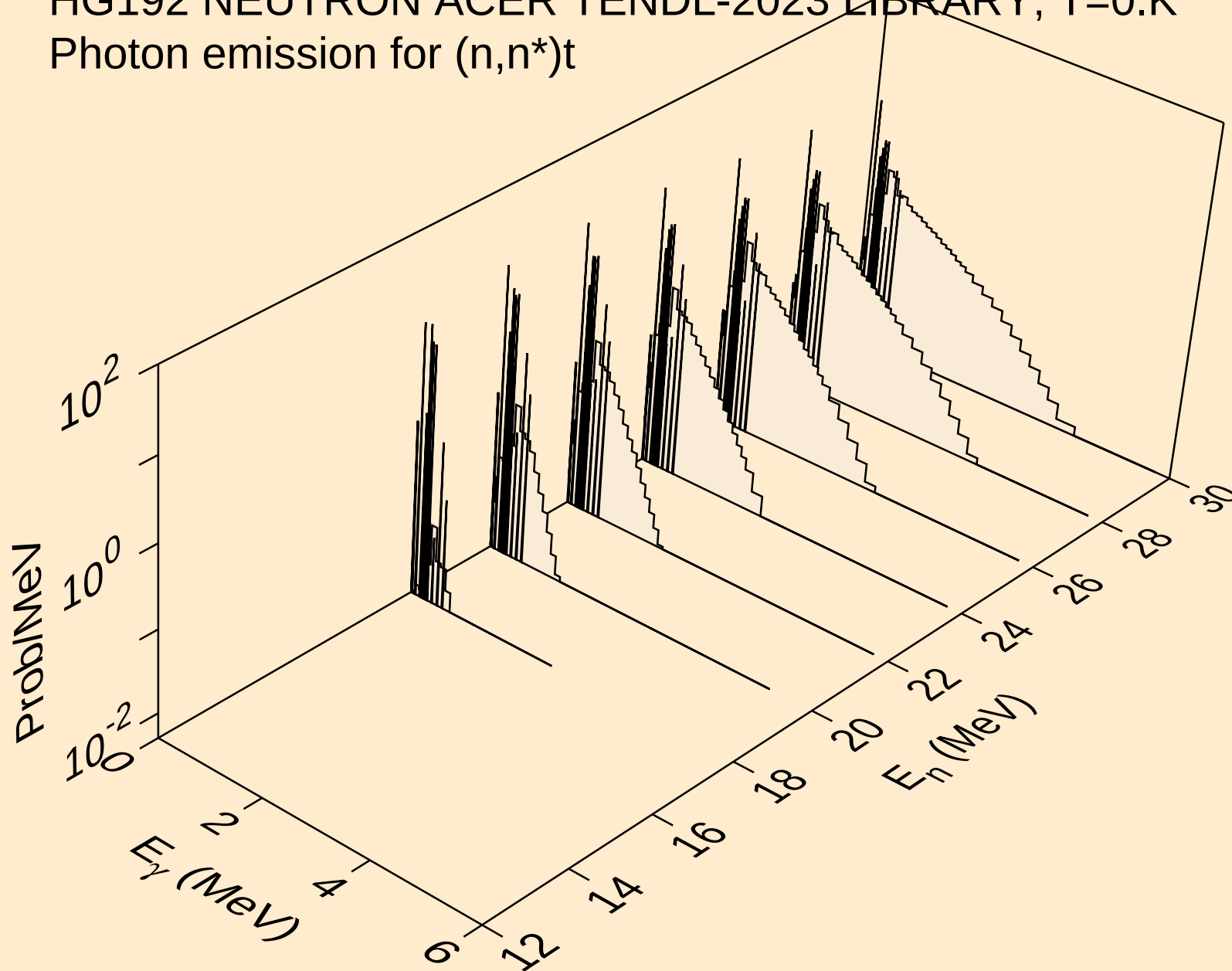
HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)2a



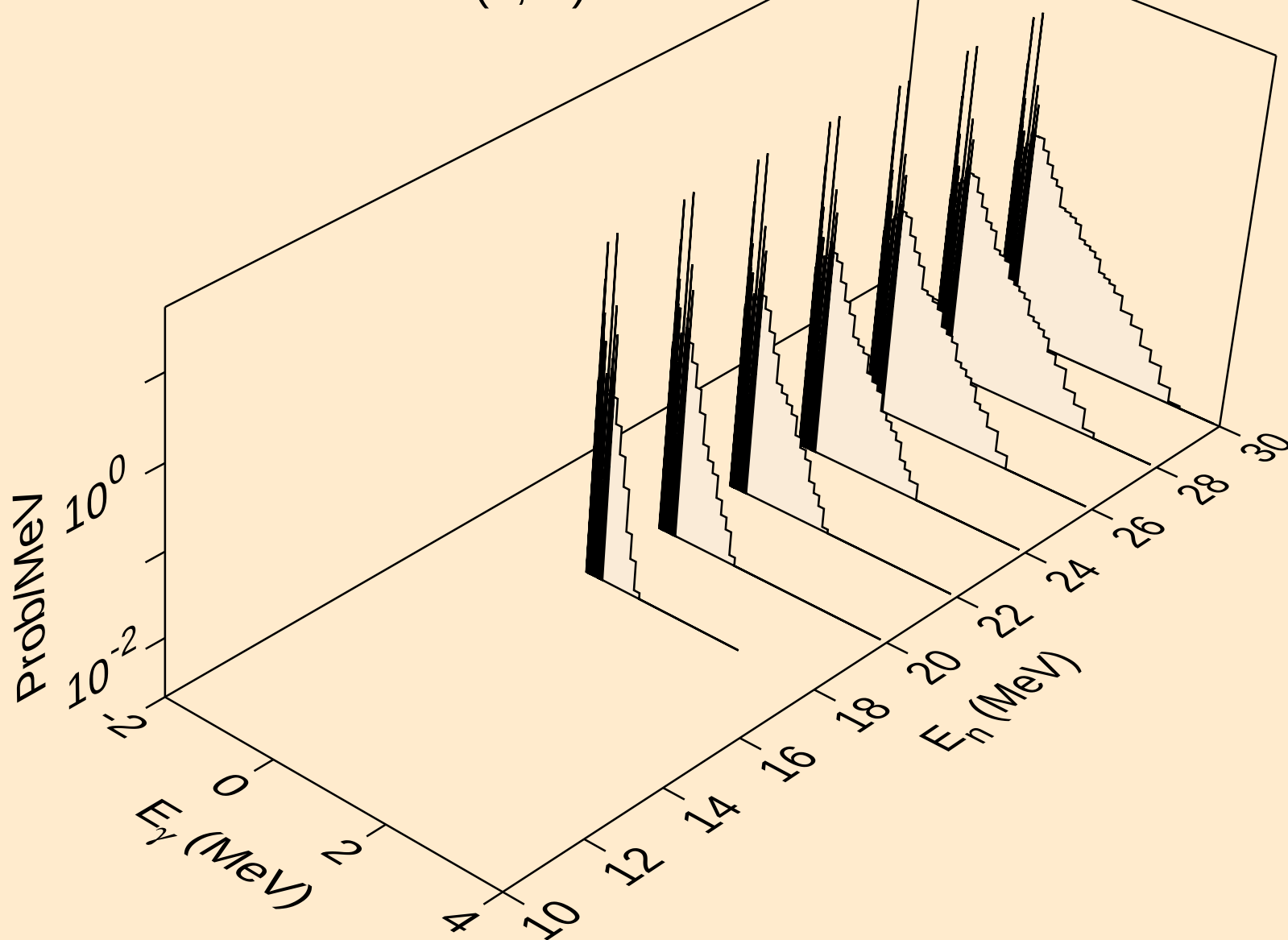
HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



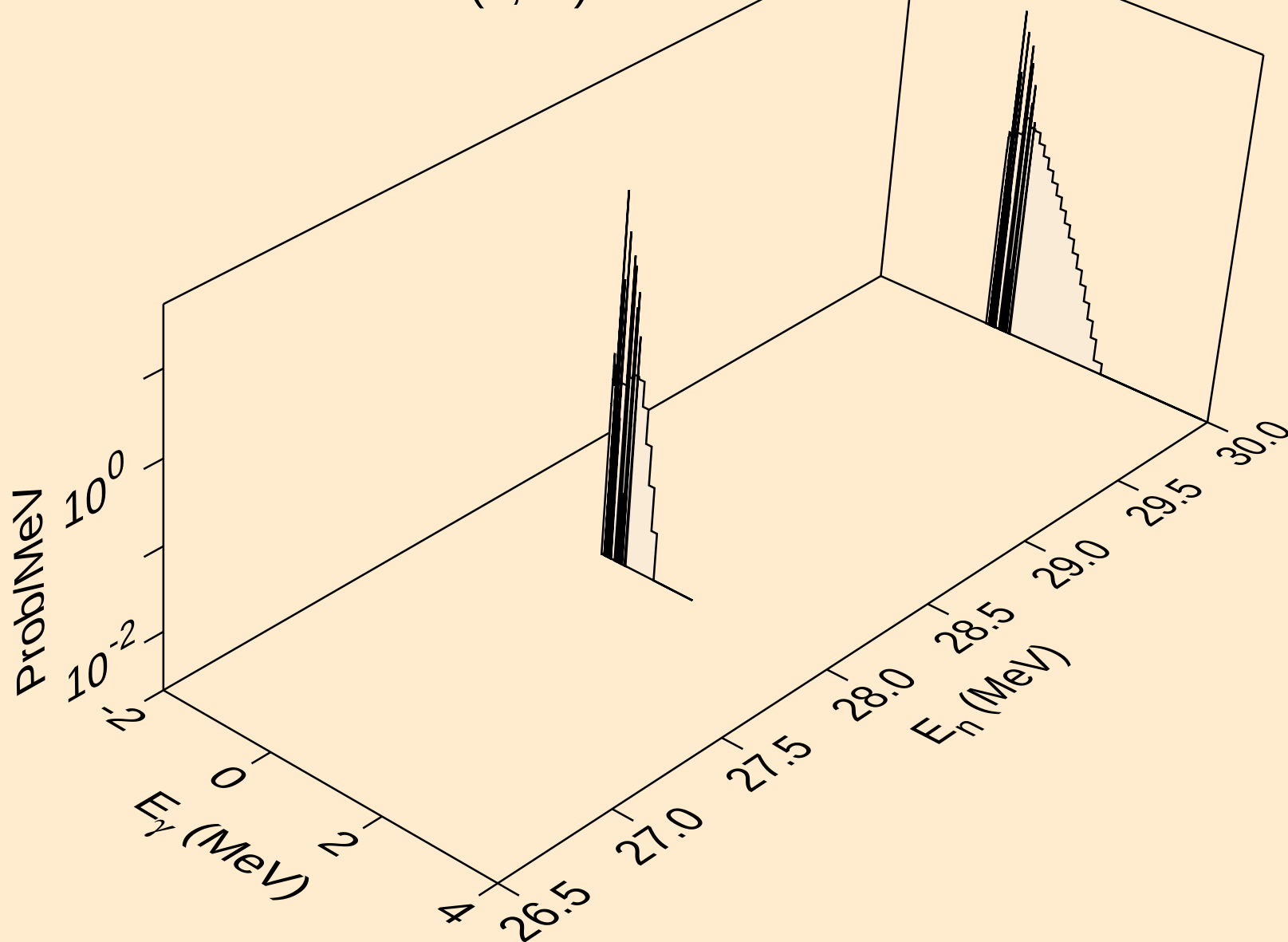
HG192 NEUTRON ACER TENDL-2023 LIBRARY;  $T=0.K$   
Photon emission for  $(n,n^*)t$



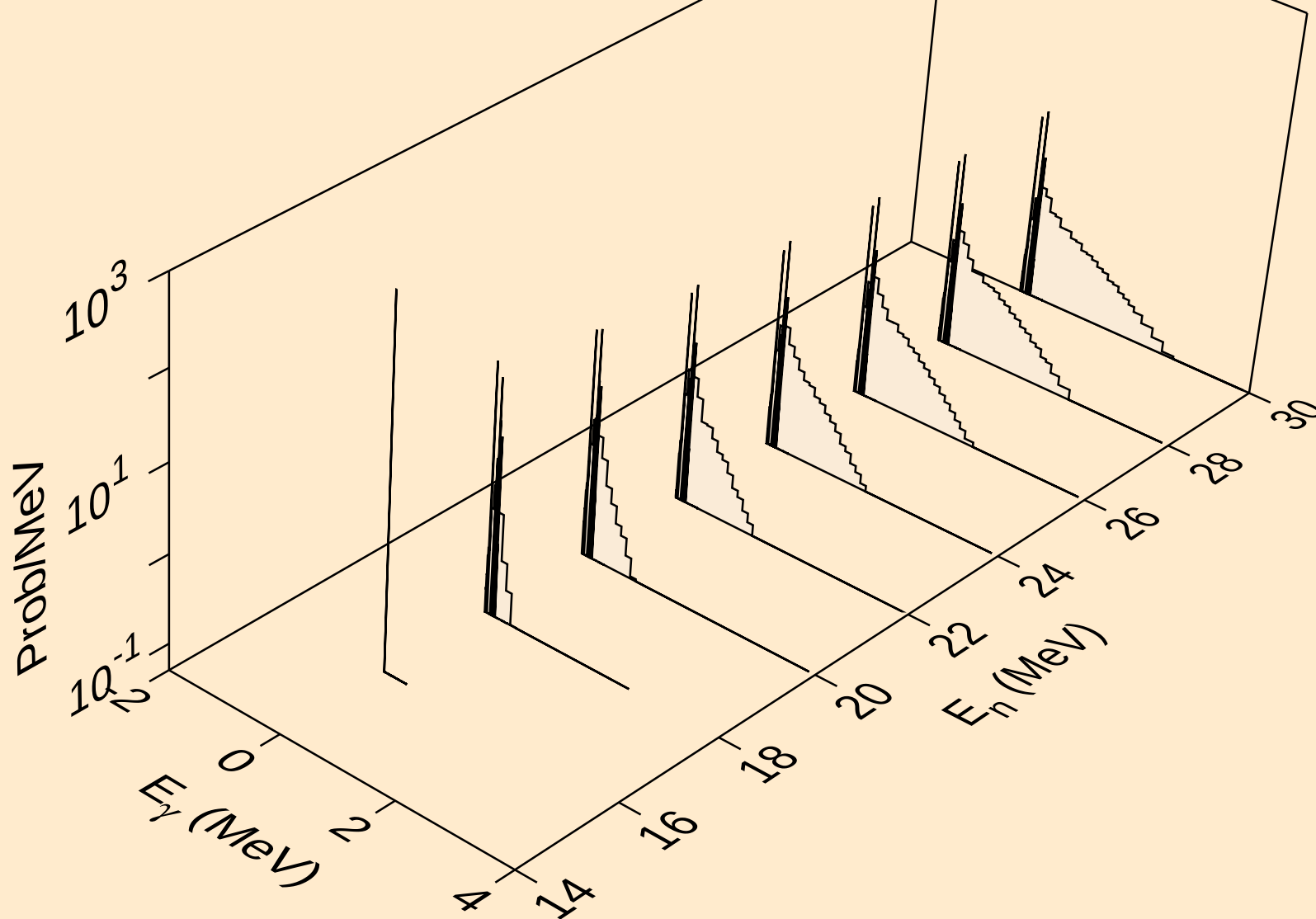
HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



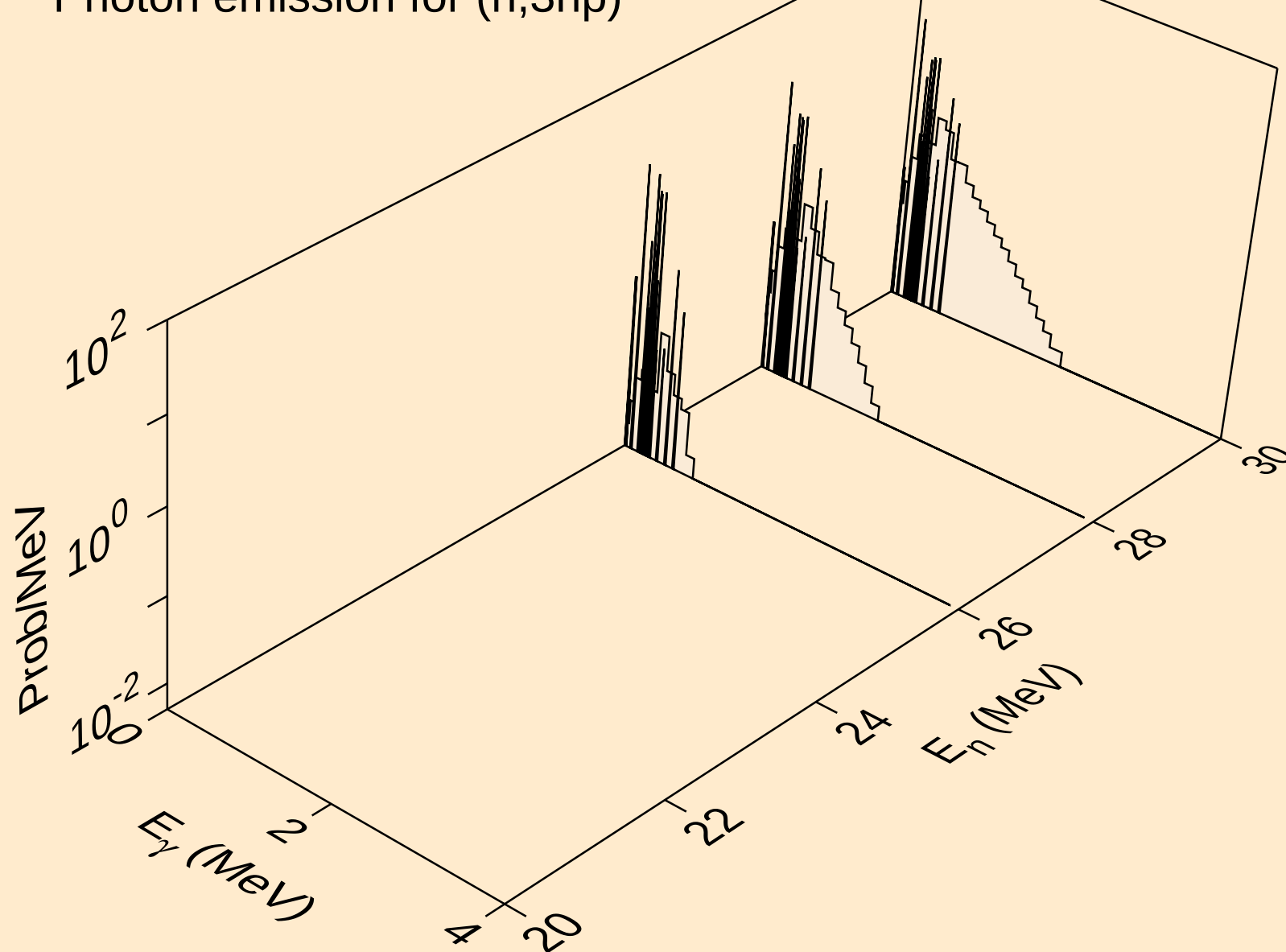
HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,4n)



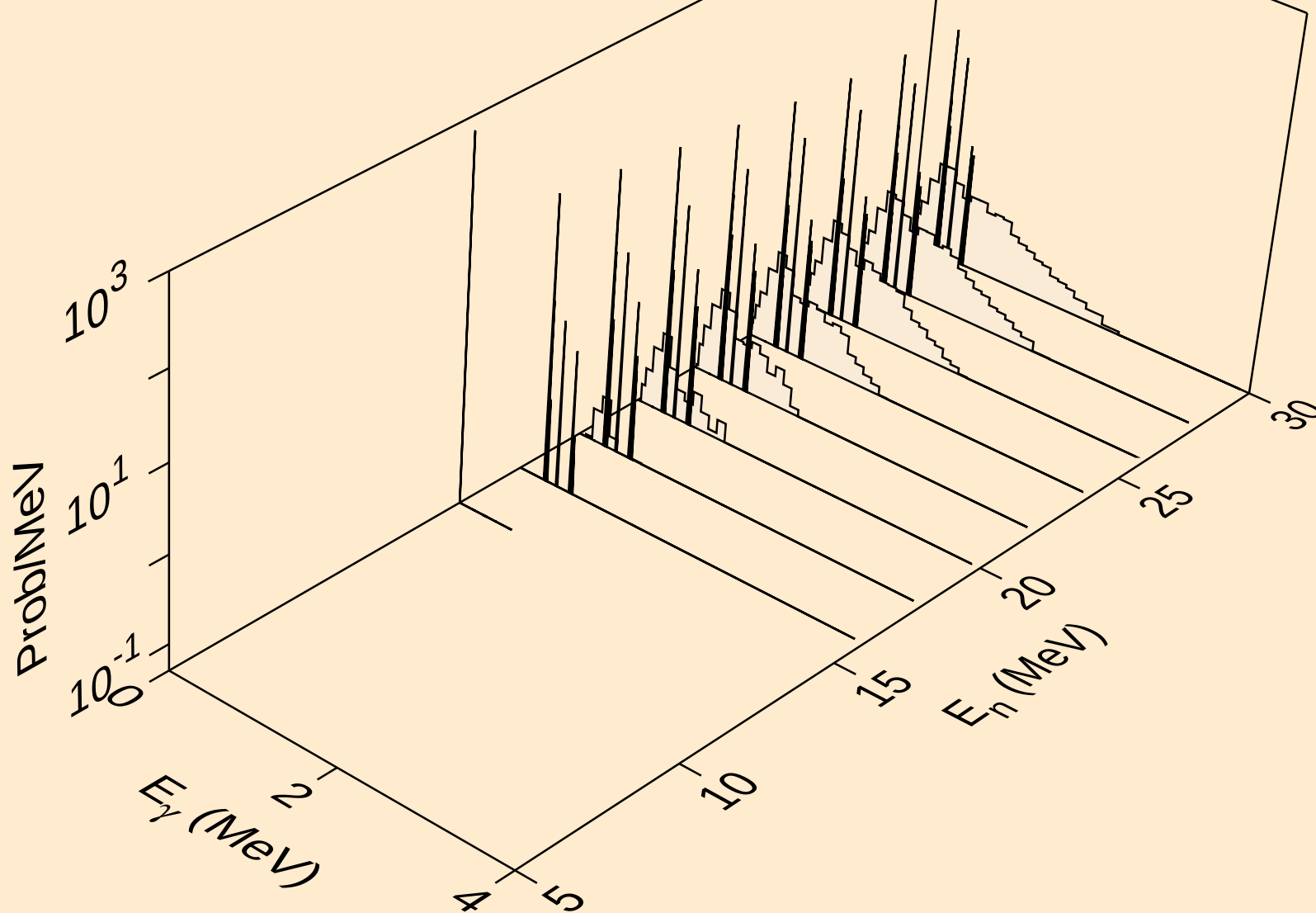
HG192 NEUTRON ACER TENDL-2023 LIBRARY;  $T=0.K$   
Photon emission for (n,2np)



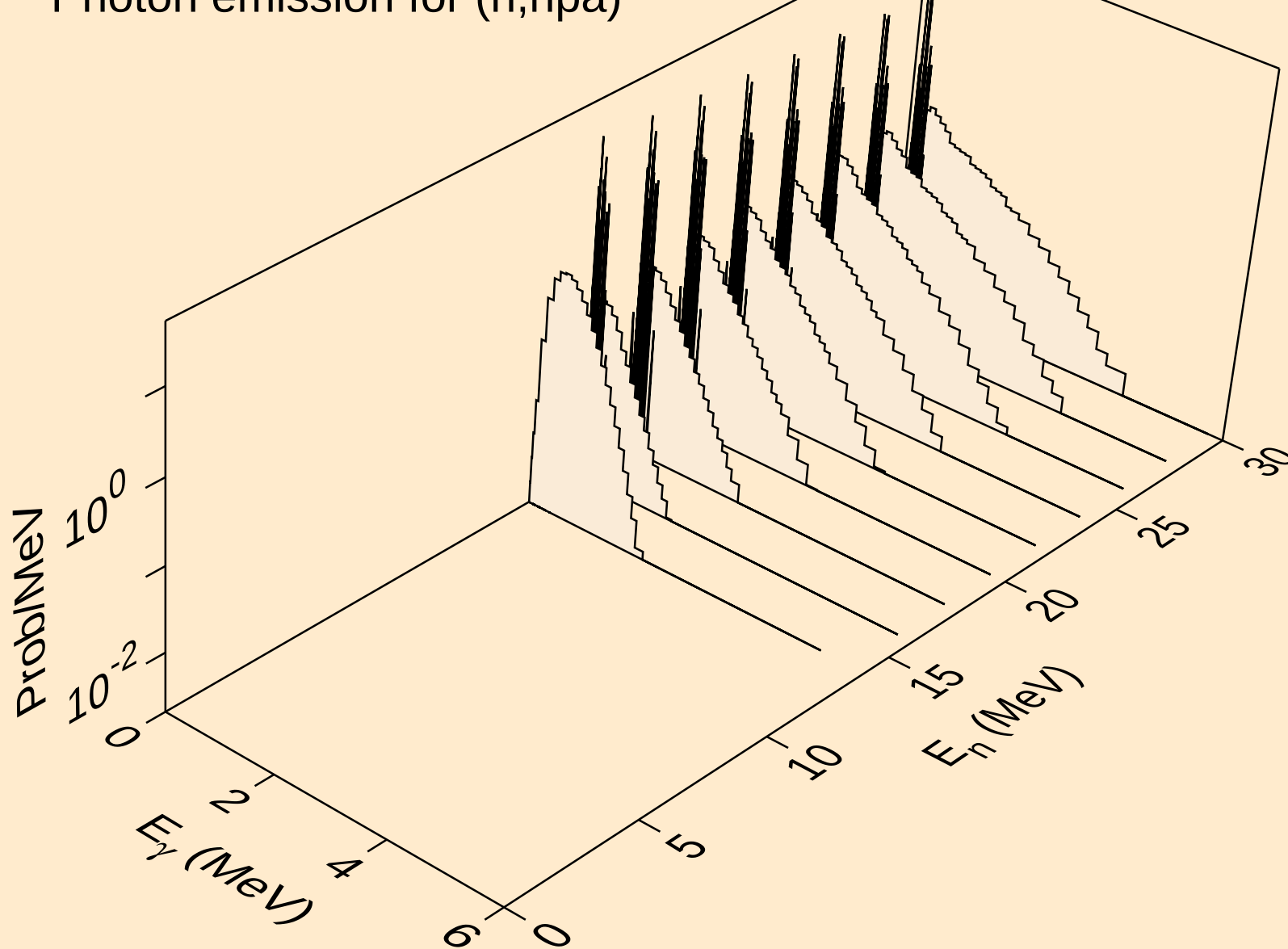
HG192 NEUTRON ACER TENDL-2023 LIBRARY;  $T=0.K$   
Photon emission for (n,3np)



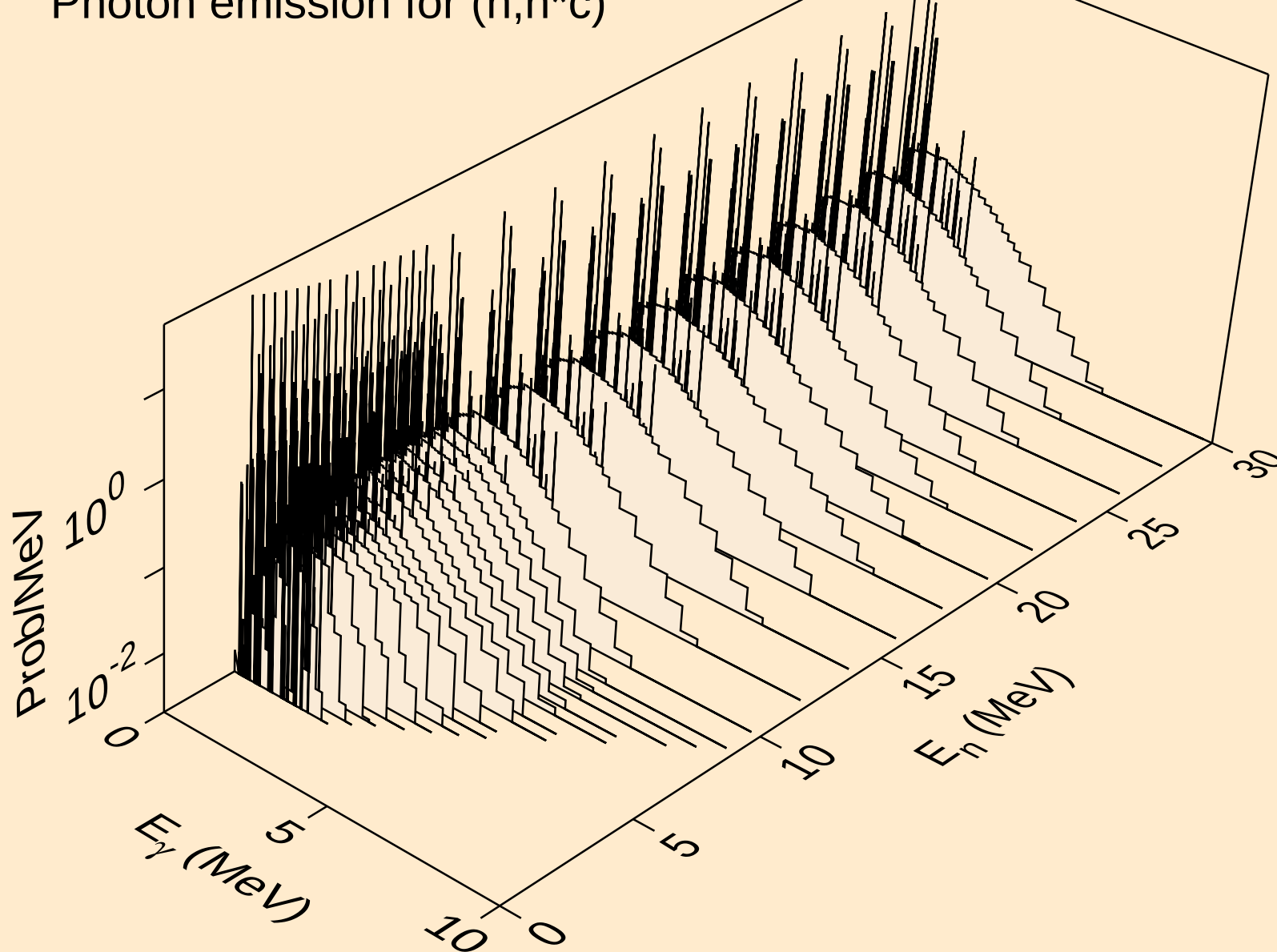
HG192 NEUTRON ACER TENDL-2023 LIBRARY;  $T=0.K$   
Photon emission for (n,n2p)



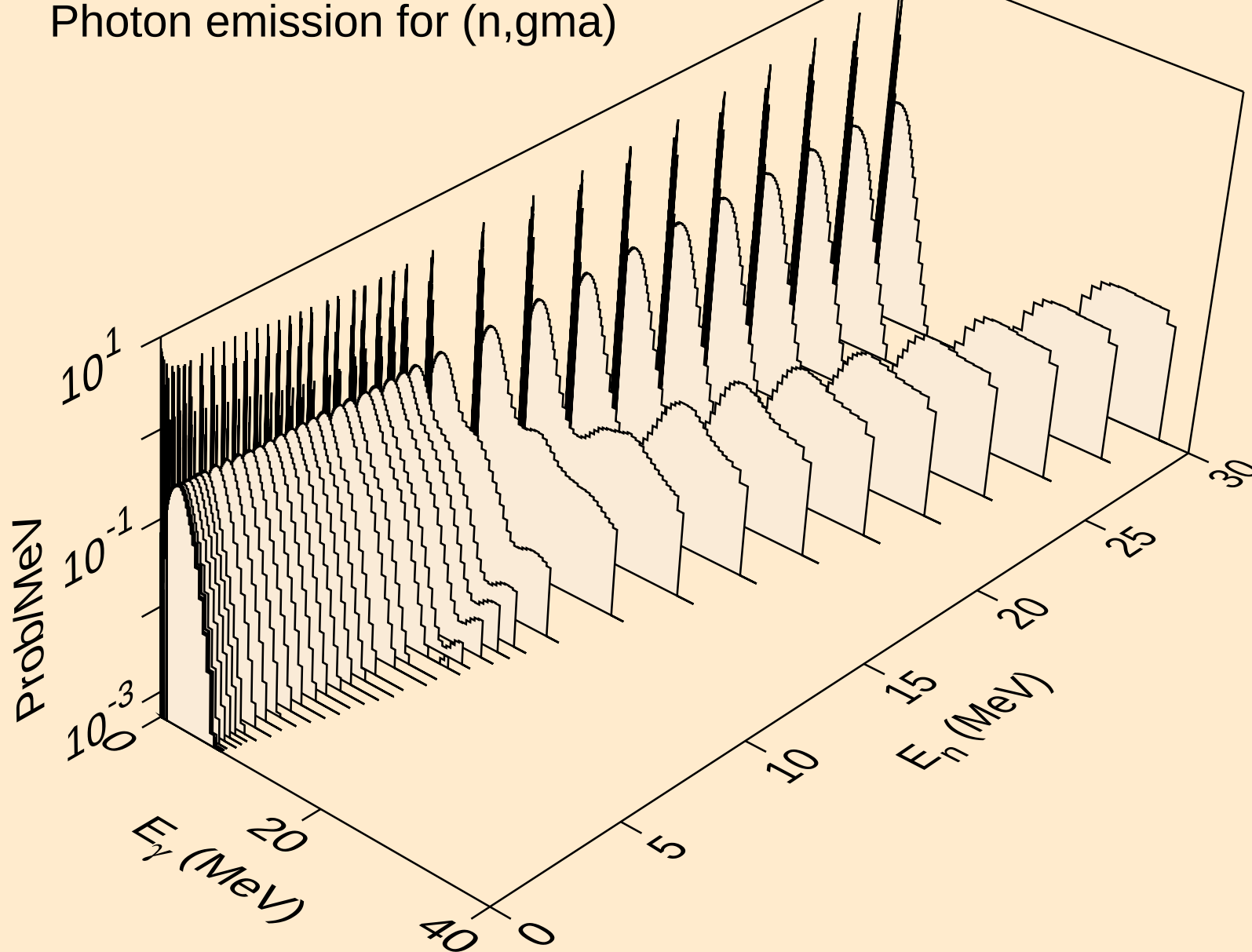
HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,npa)



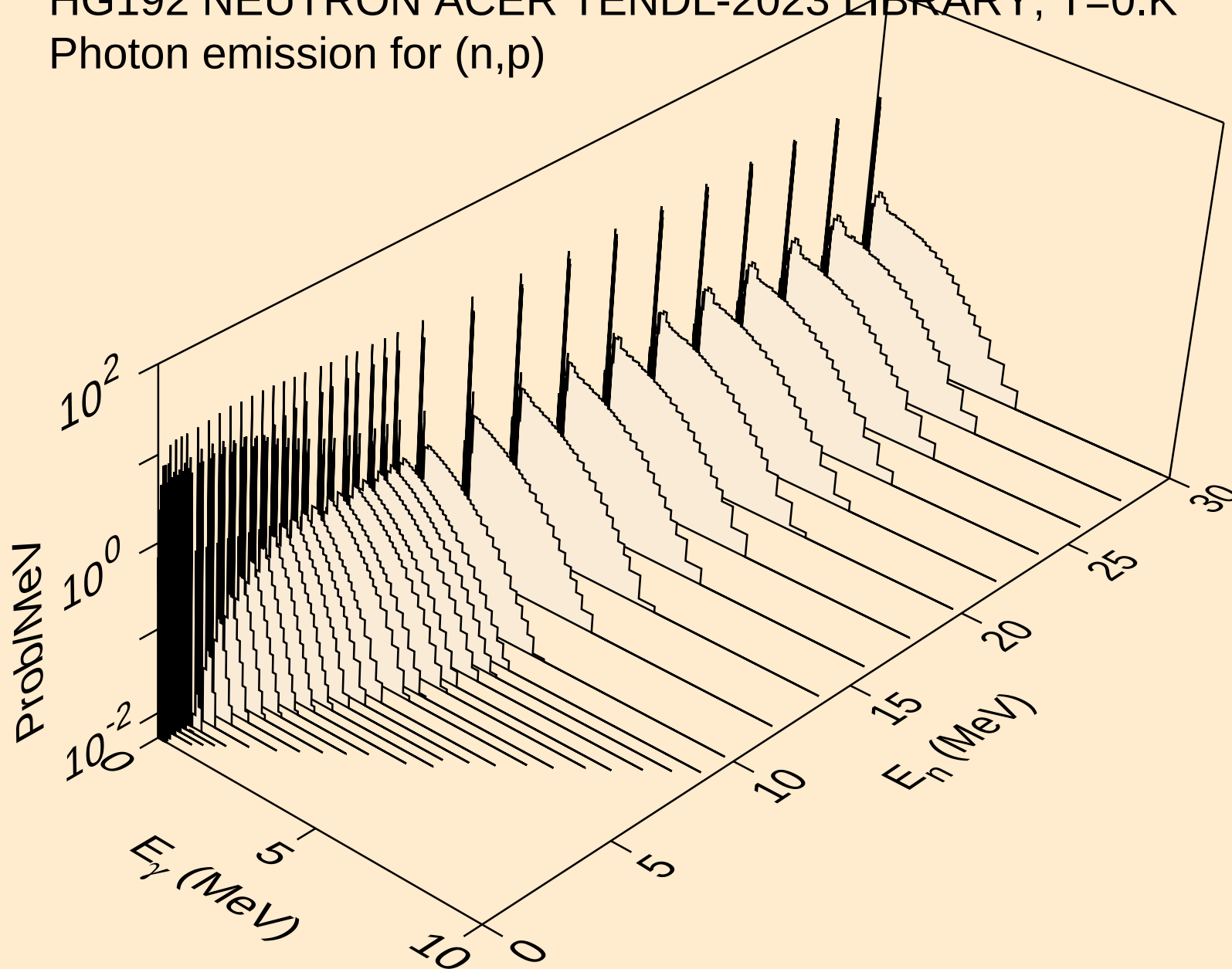
HG192 NEUTRON ACER TENDL-2023 LIBRARY;  $T=0.K$   
Photon emission for (n,n\*c)



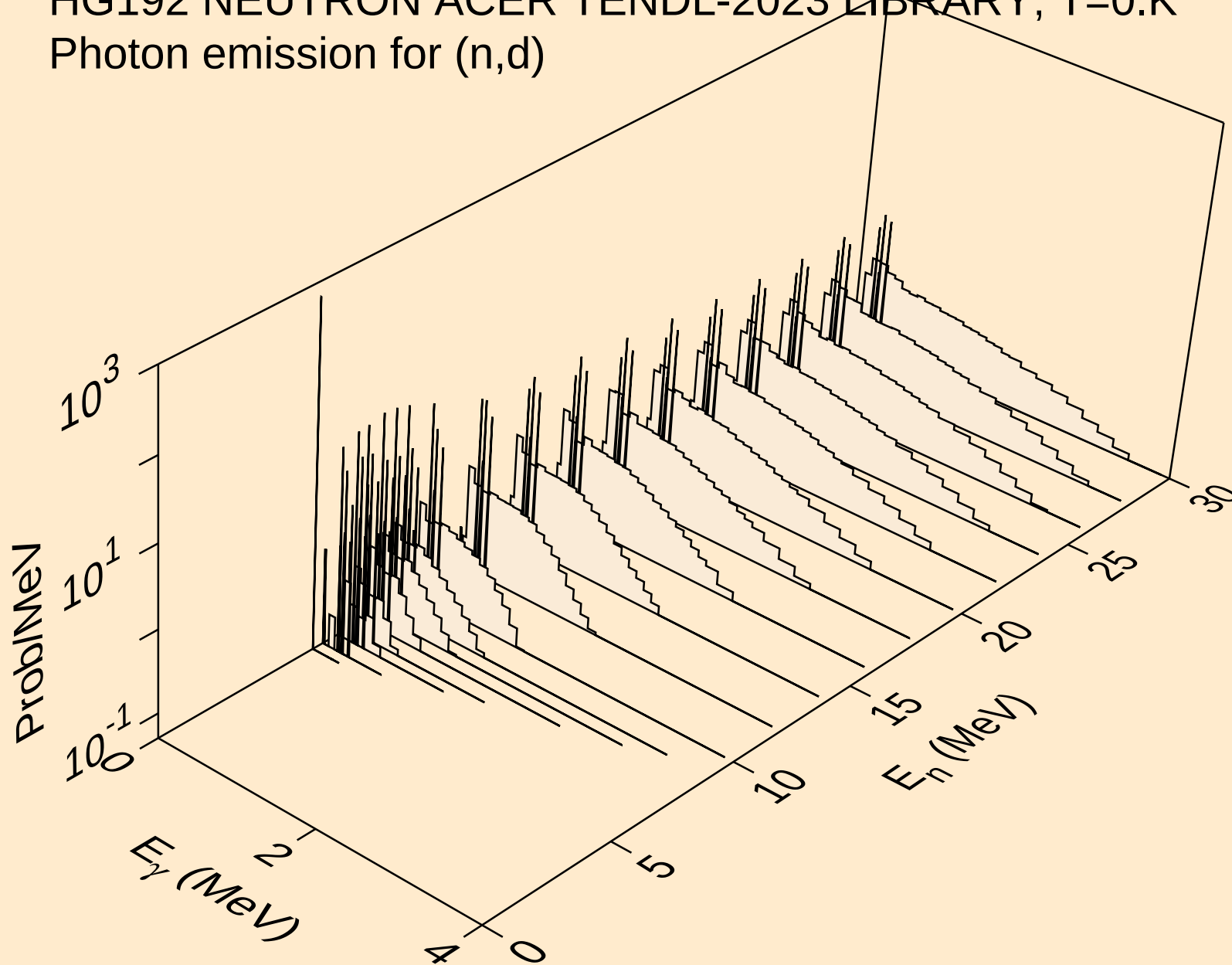
HG192 NEUTRON ACER TENDL-2023 LIBRARY;  $T=0.K$   
Photon emission for (n,gma)



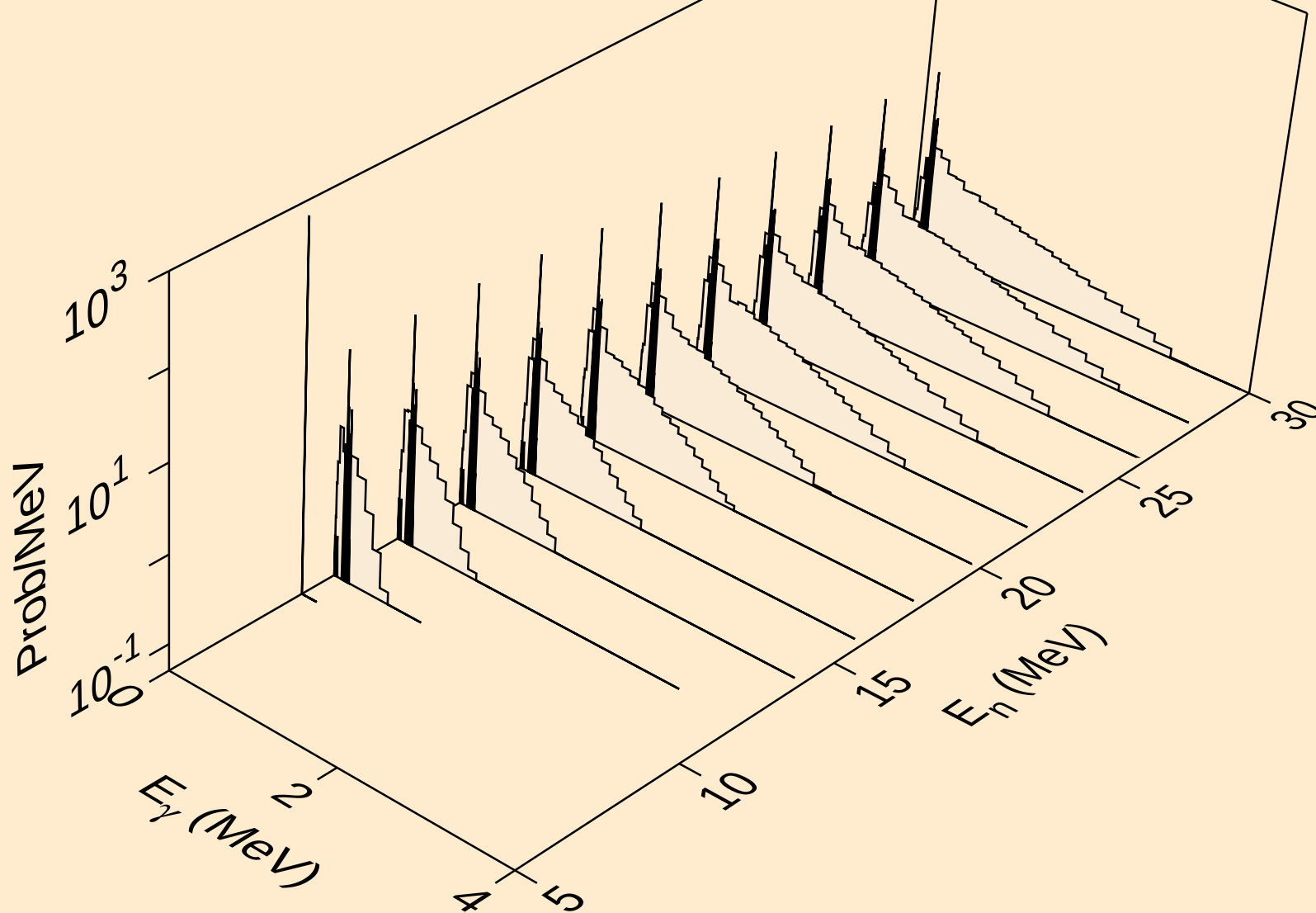
HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)



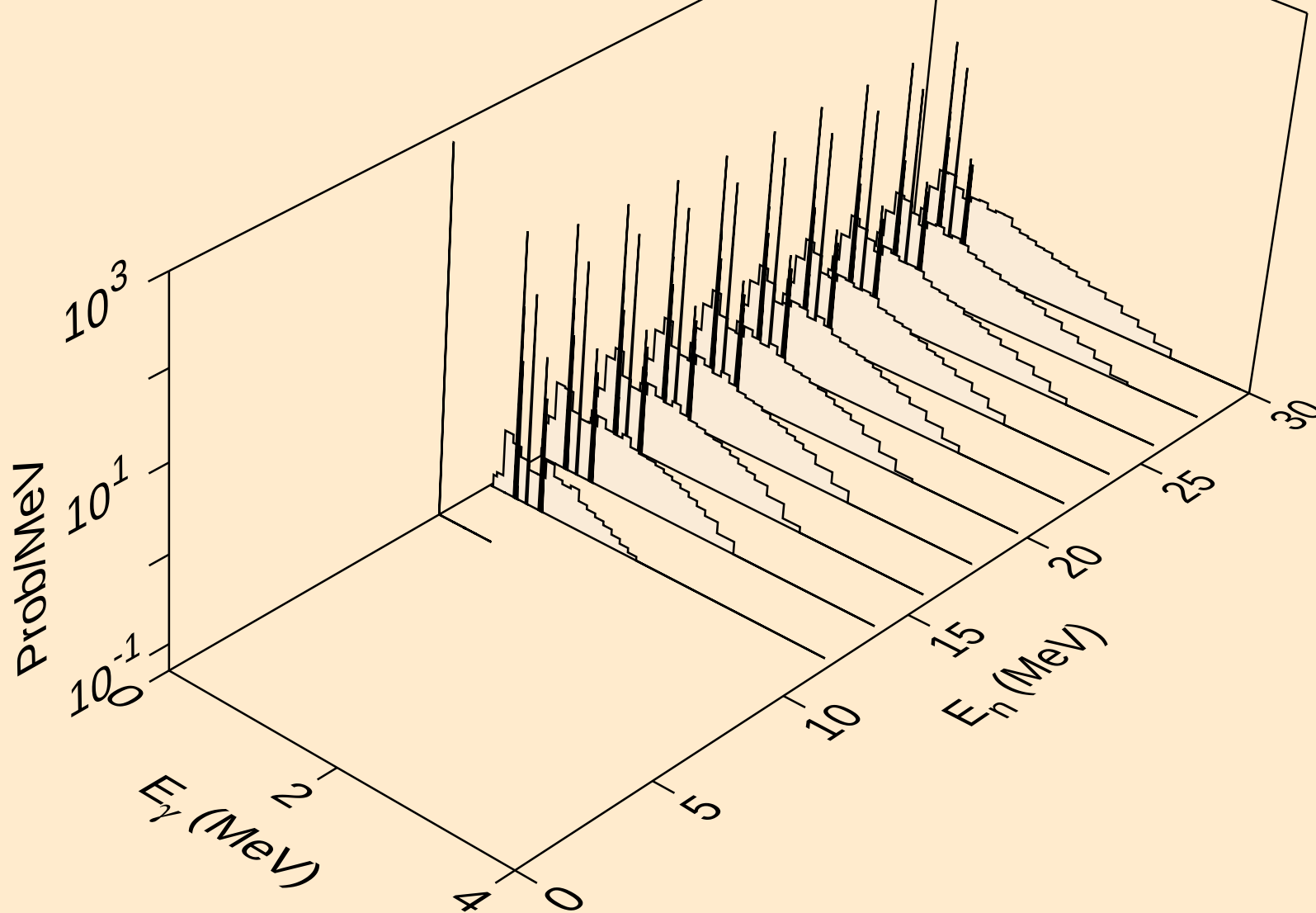
HG192 NEUTRON ACER TENDL-2023 LIBRARY;  $T=0.K$   
Photon emission for (n,d)



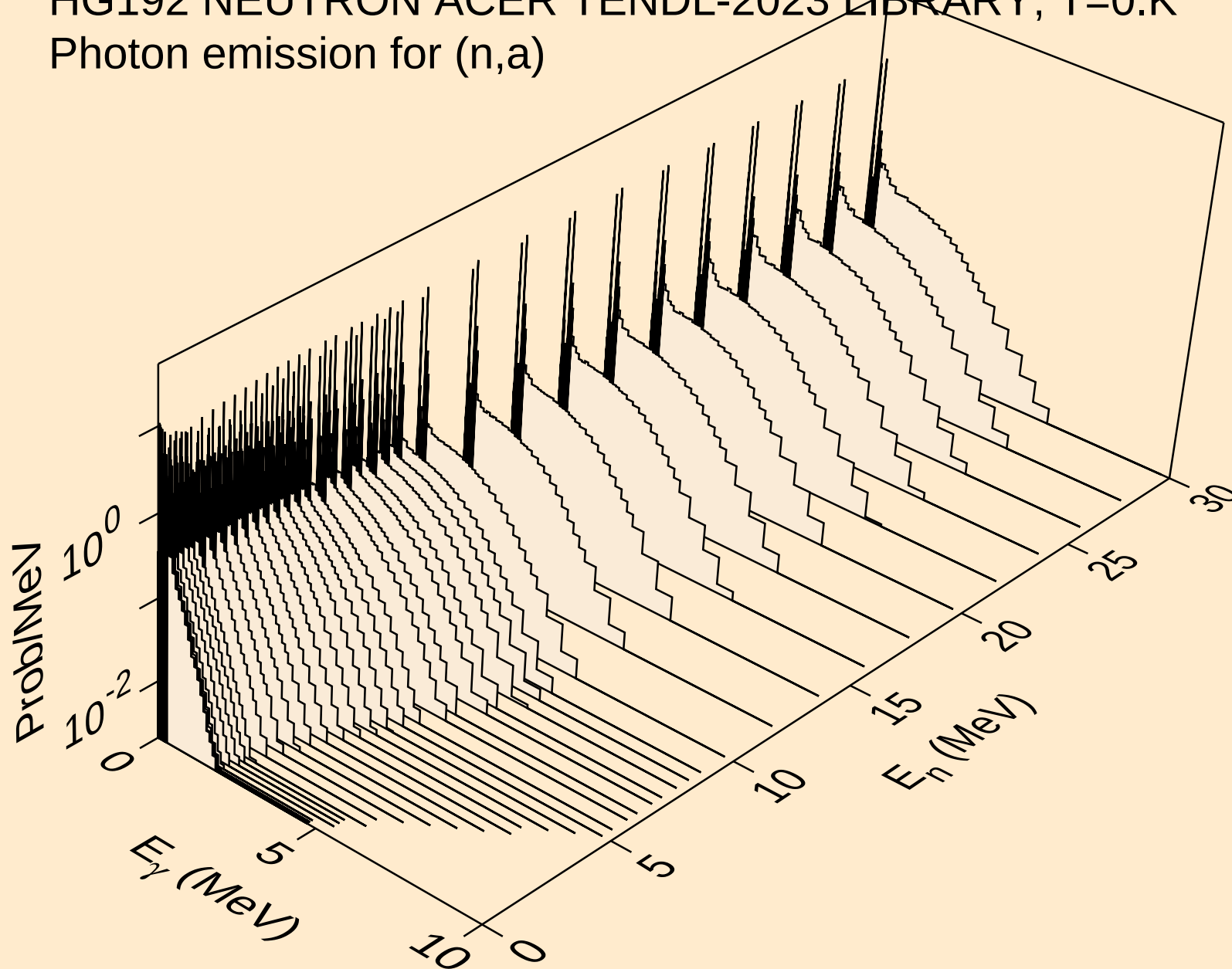
HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)



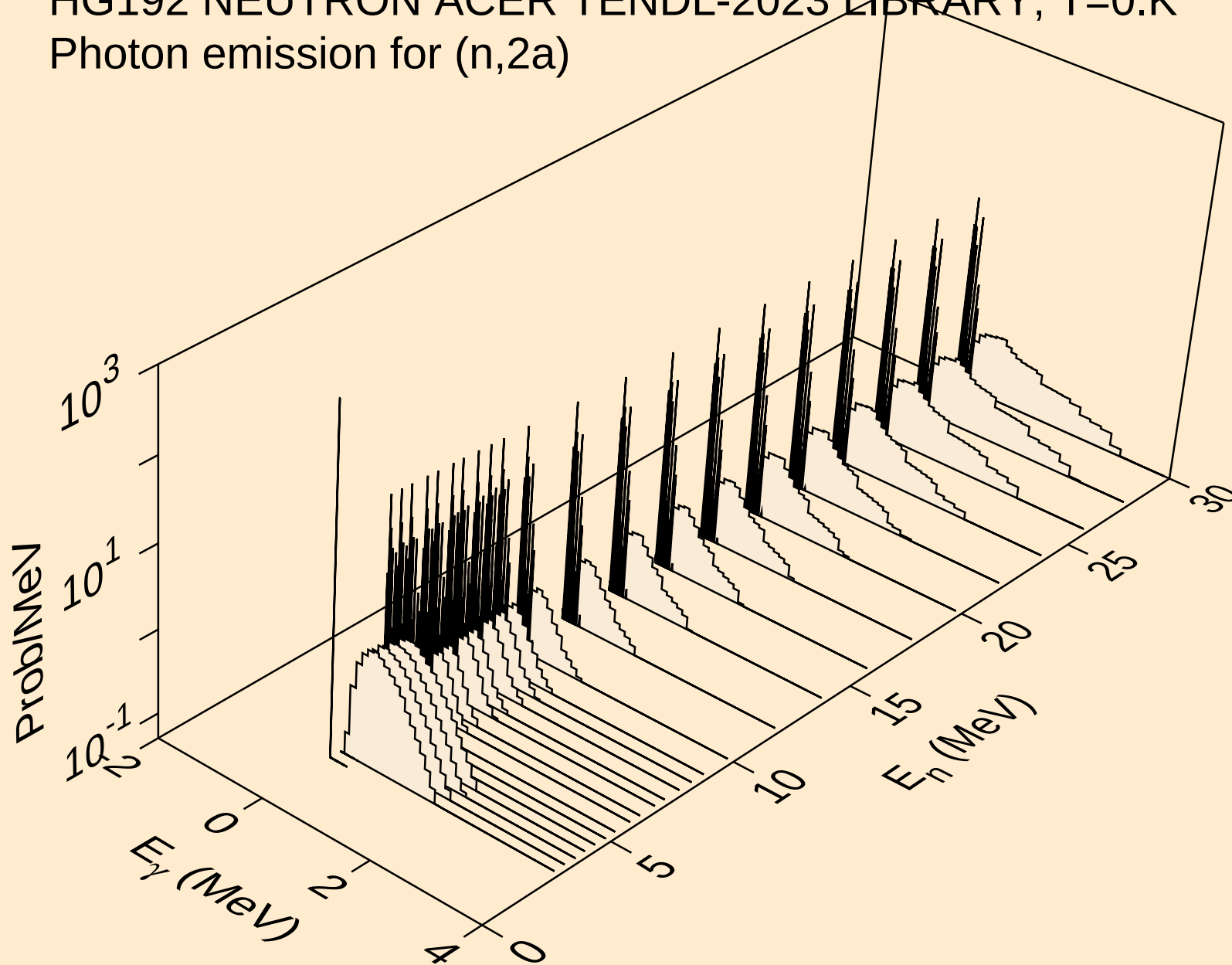
HG192 NEUTRON ACER TENDL-2023 LIBRARY;  $T=0.K$   
Photon emission for (n,he3)



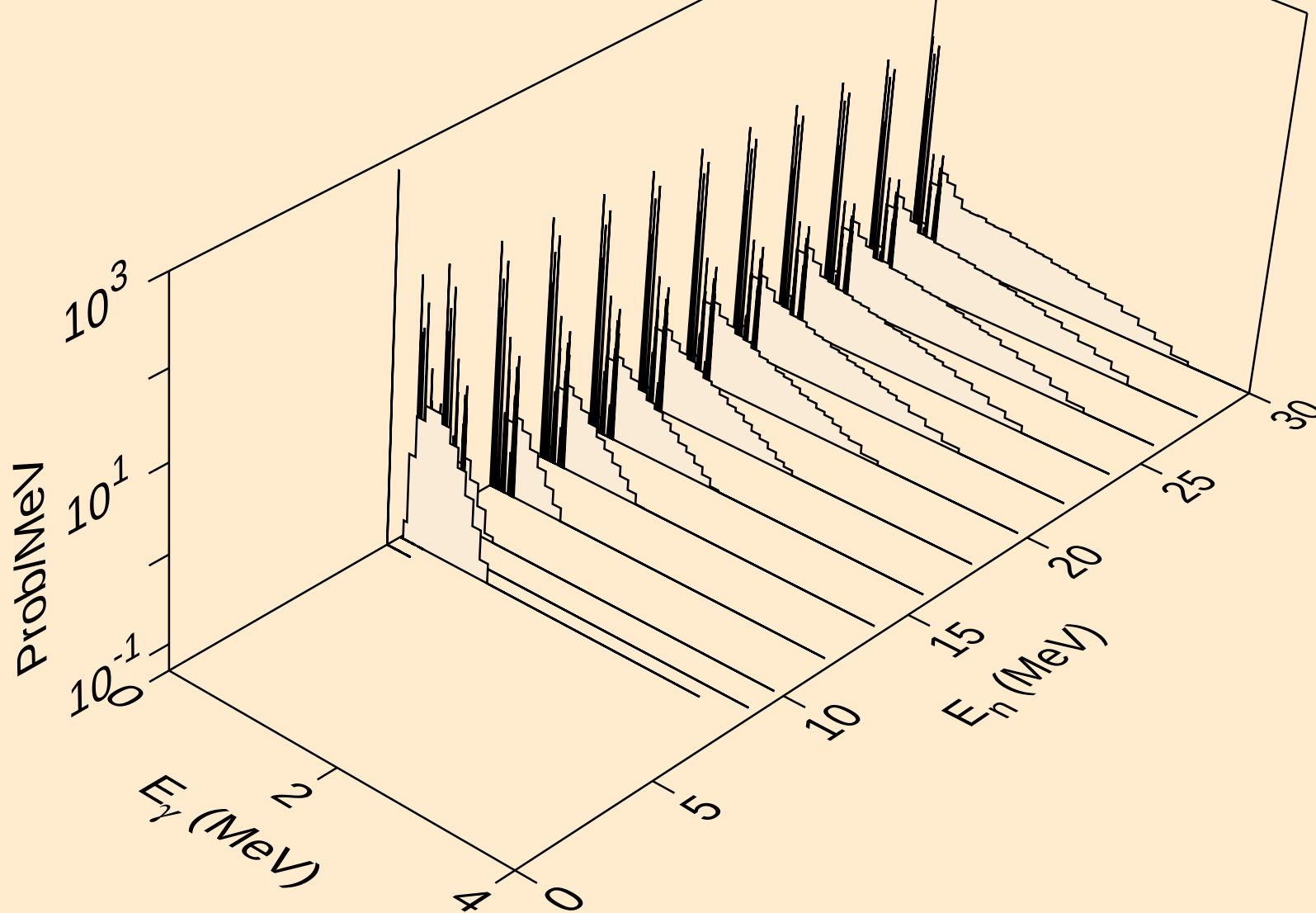
HG192 NEUTRON ACER TENDL-2023 LIBRARY;  $T=0.K$   
Photon emission for (n,a)



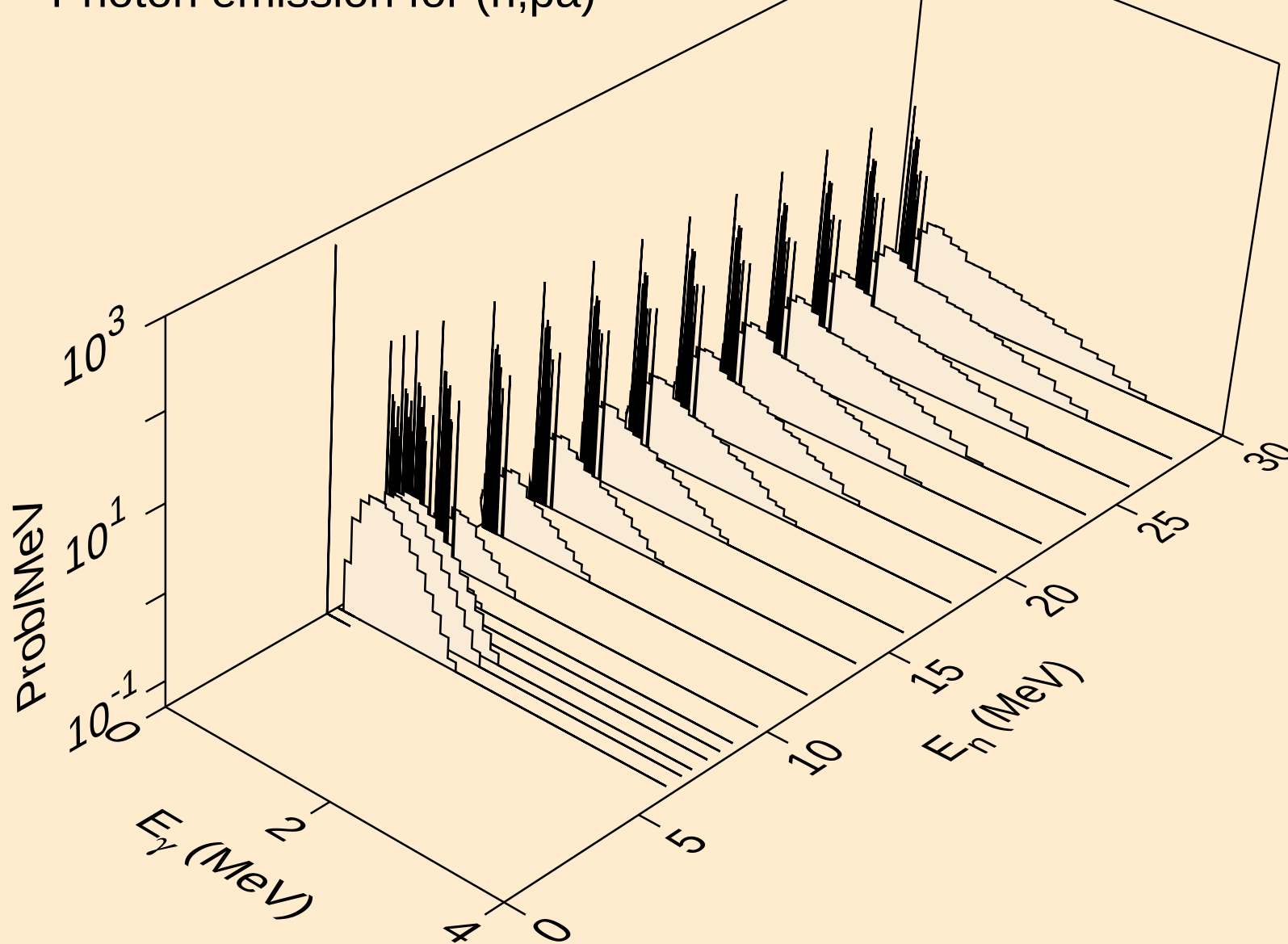
HG192 NEUTRON ACER TENDL-2023 LIBRARY;  $T=0.K$   
Photon emission for (n,2a)



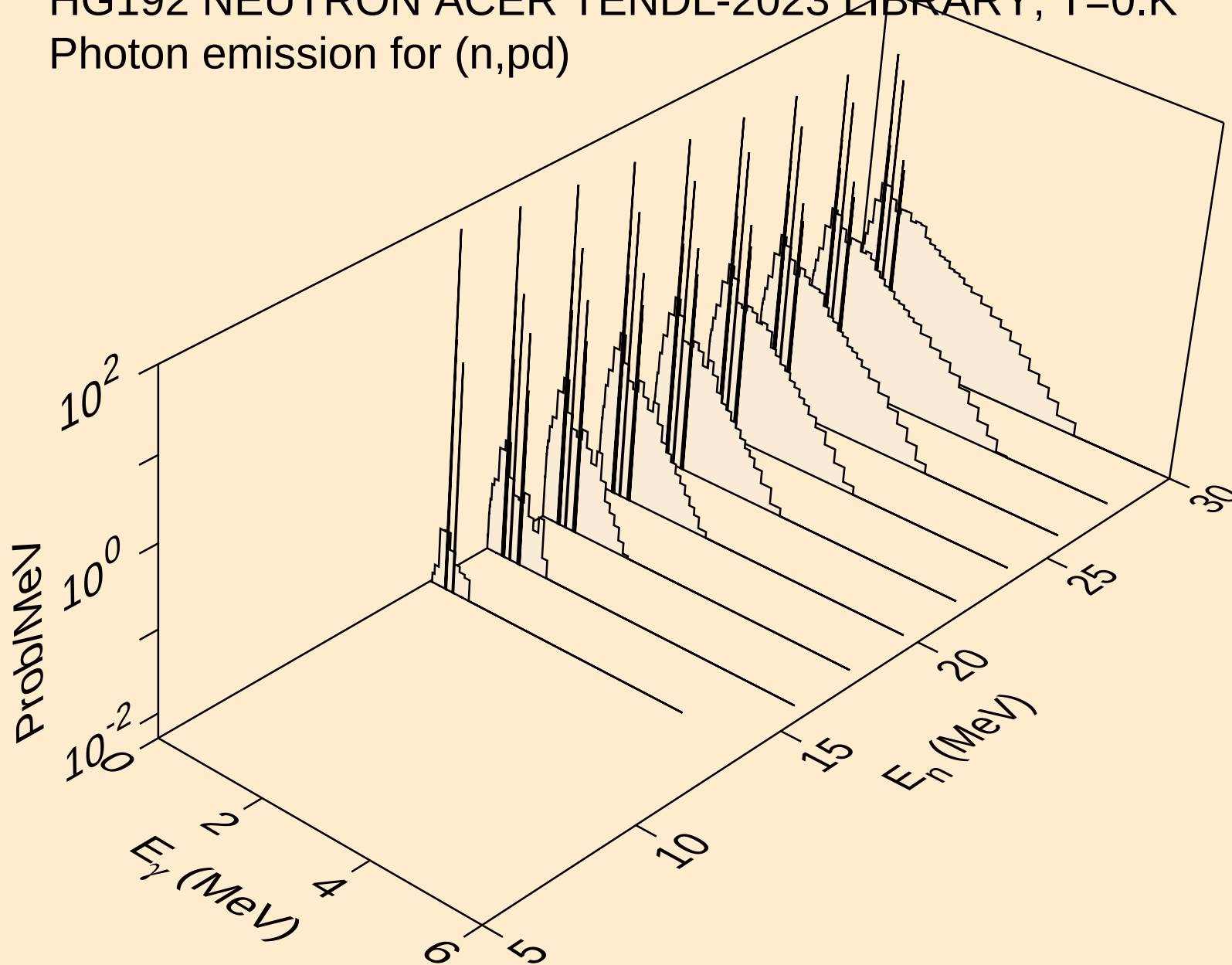
HG192 NEUTRON ACER TENDL-2023 LIBRARY;  $T=0.K$   
Photon emission for (n,2p)



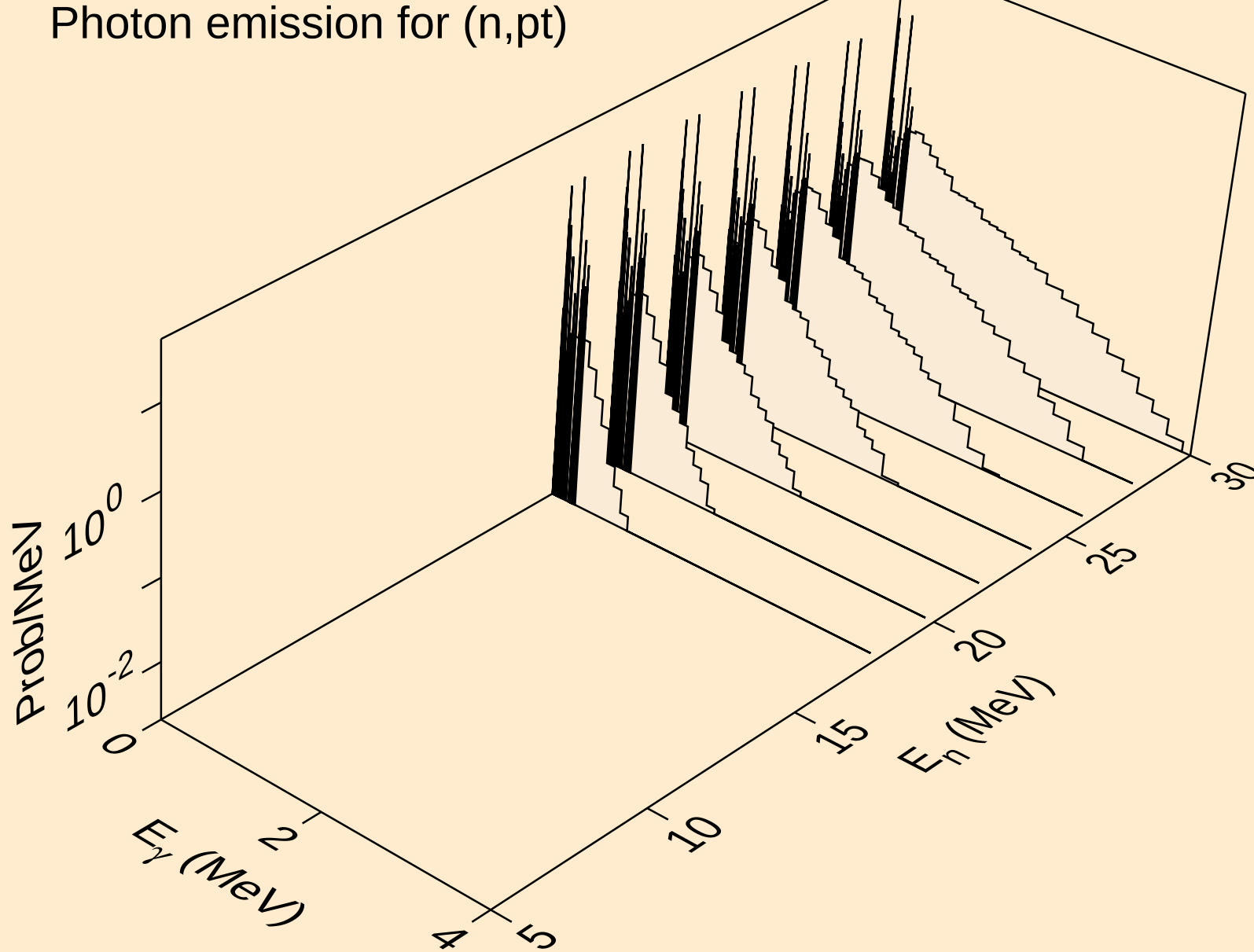
HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p $\alpha$ )



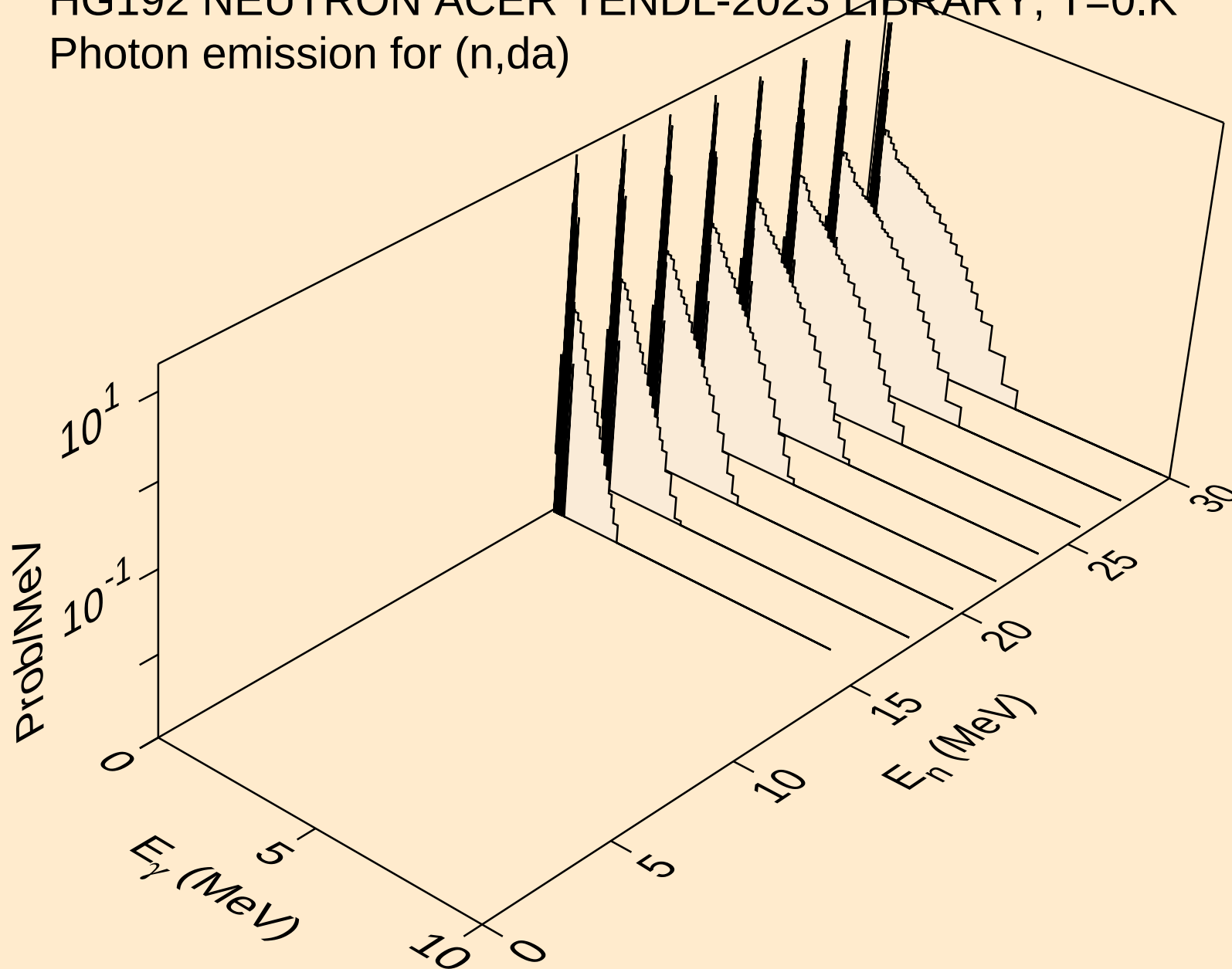
HG192 NEUTRON ACER TENDL-2023 LIBRARY;  $T=0.K$   
Photon emission for (n,pd)



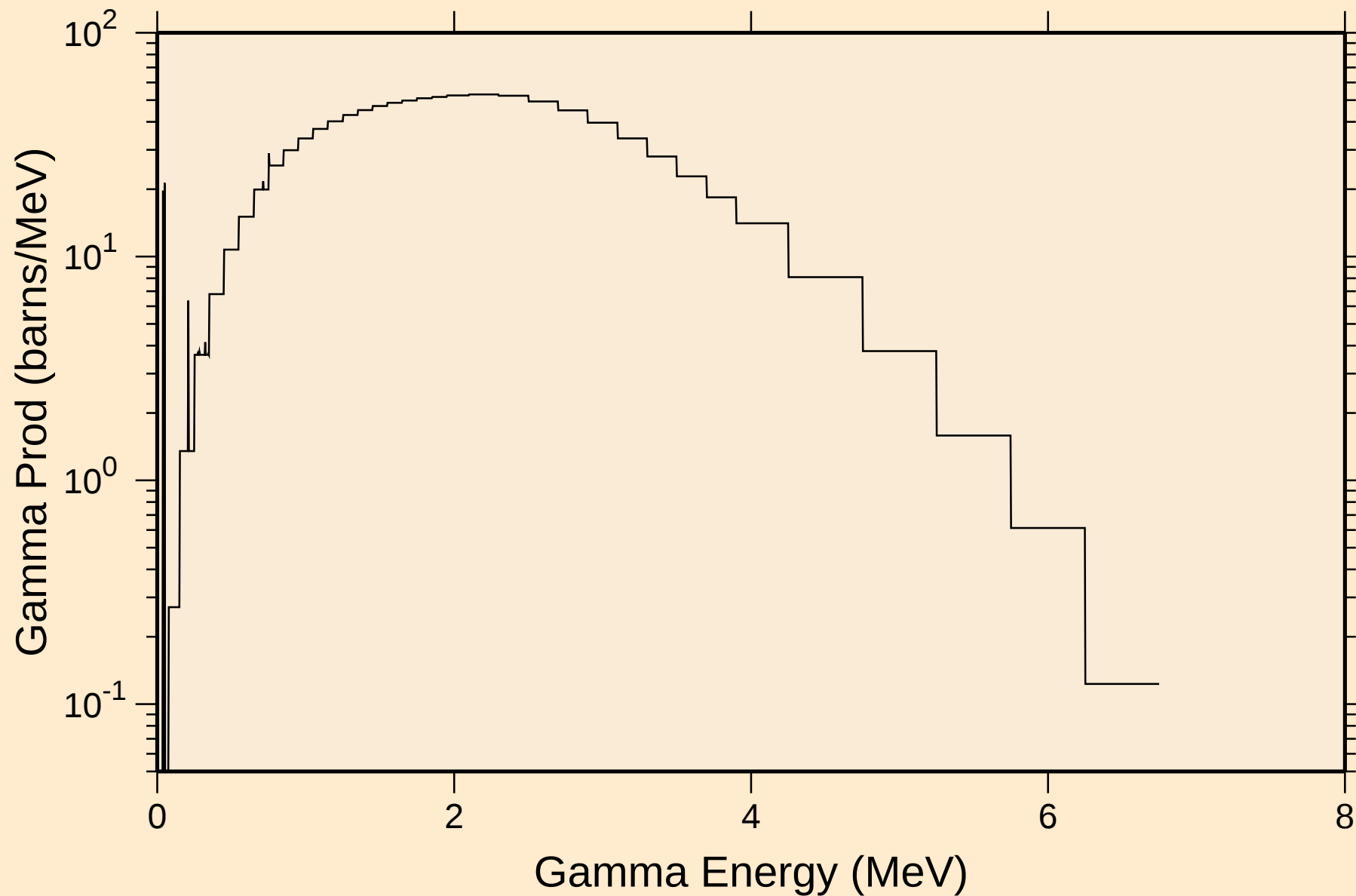
HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)



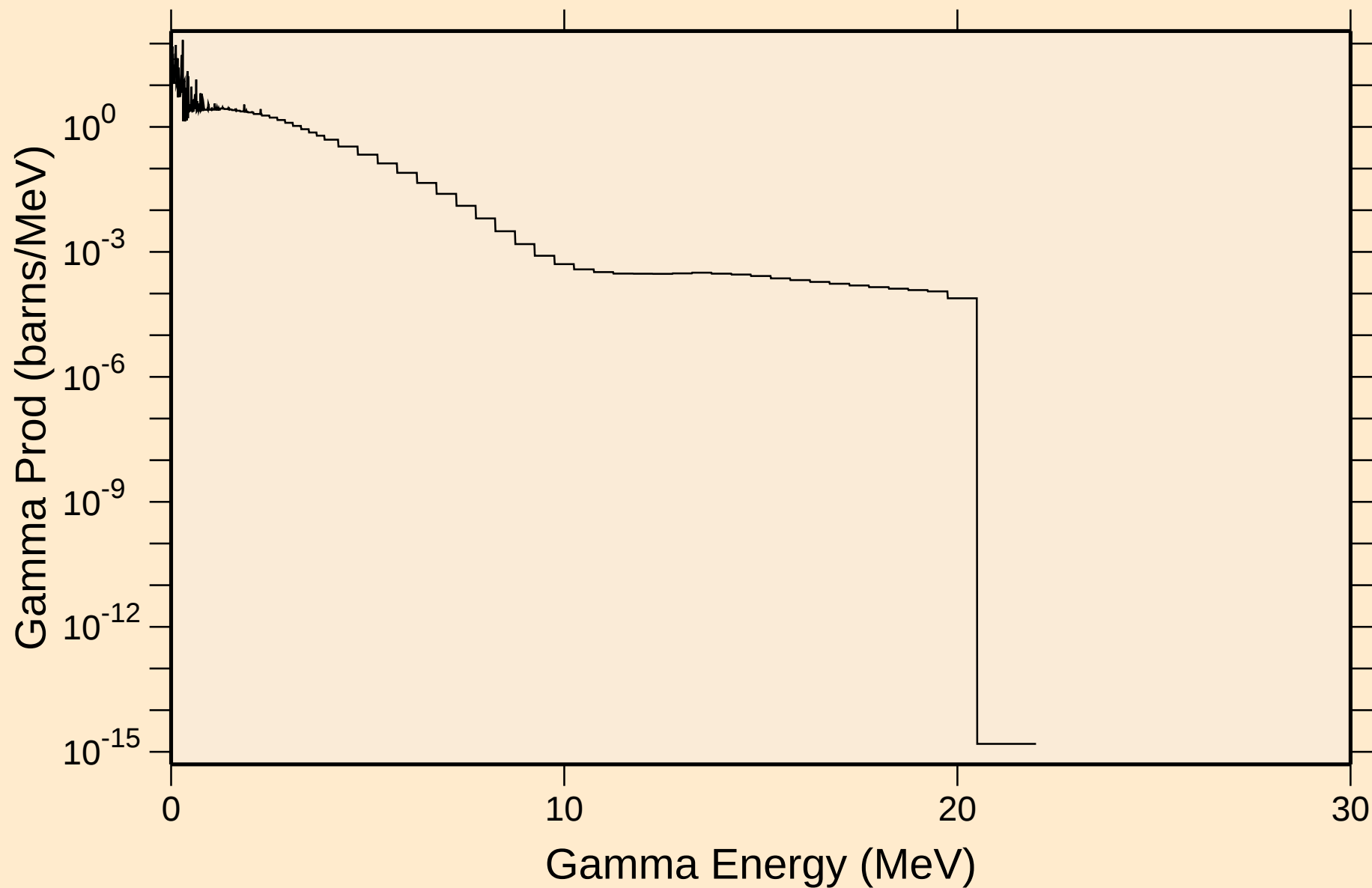
HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)



HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
thermal capture photon spectrum

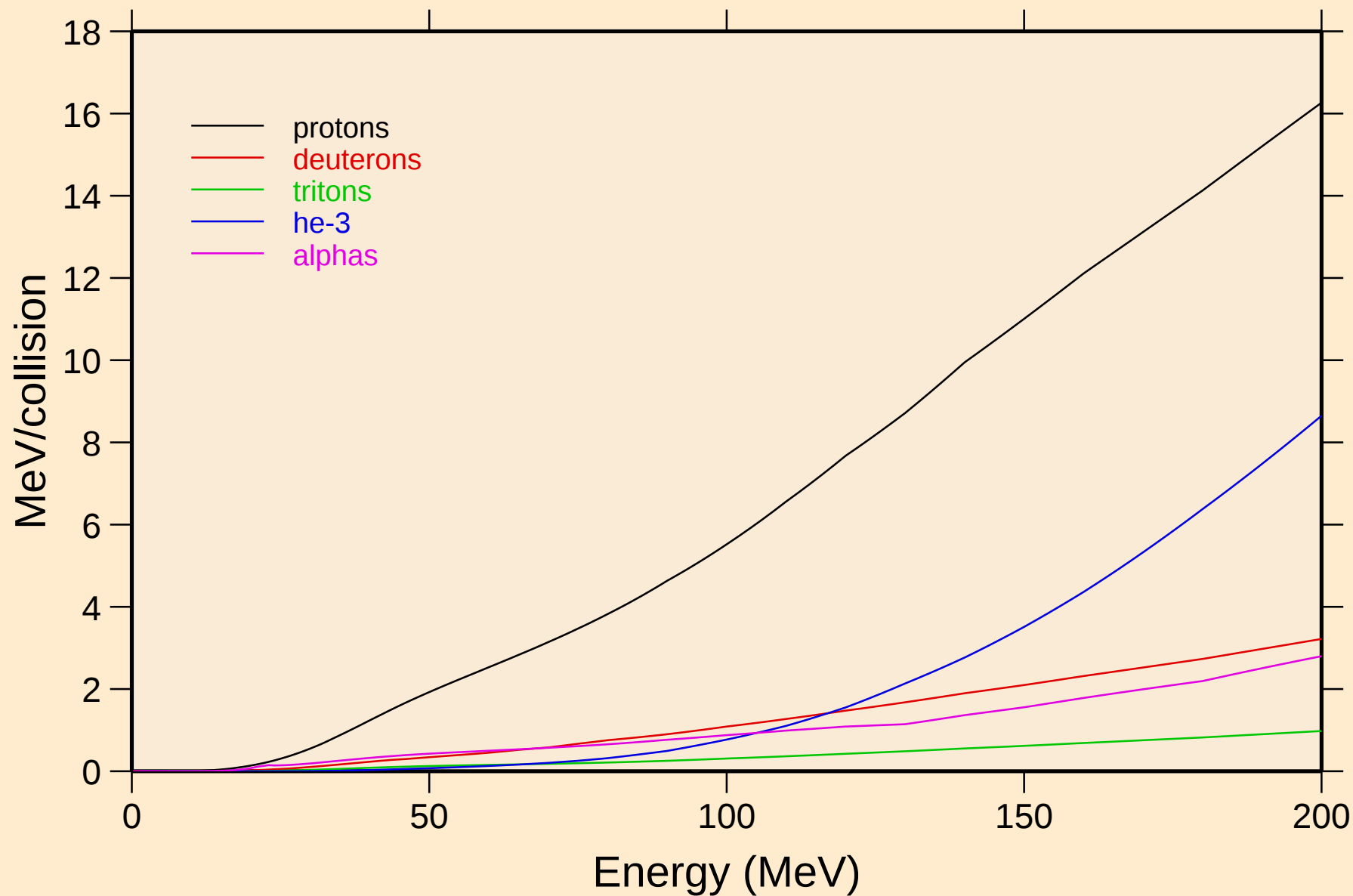


HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
14 MeV photon spectrum



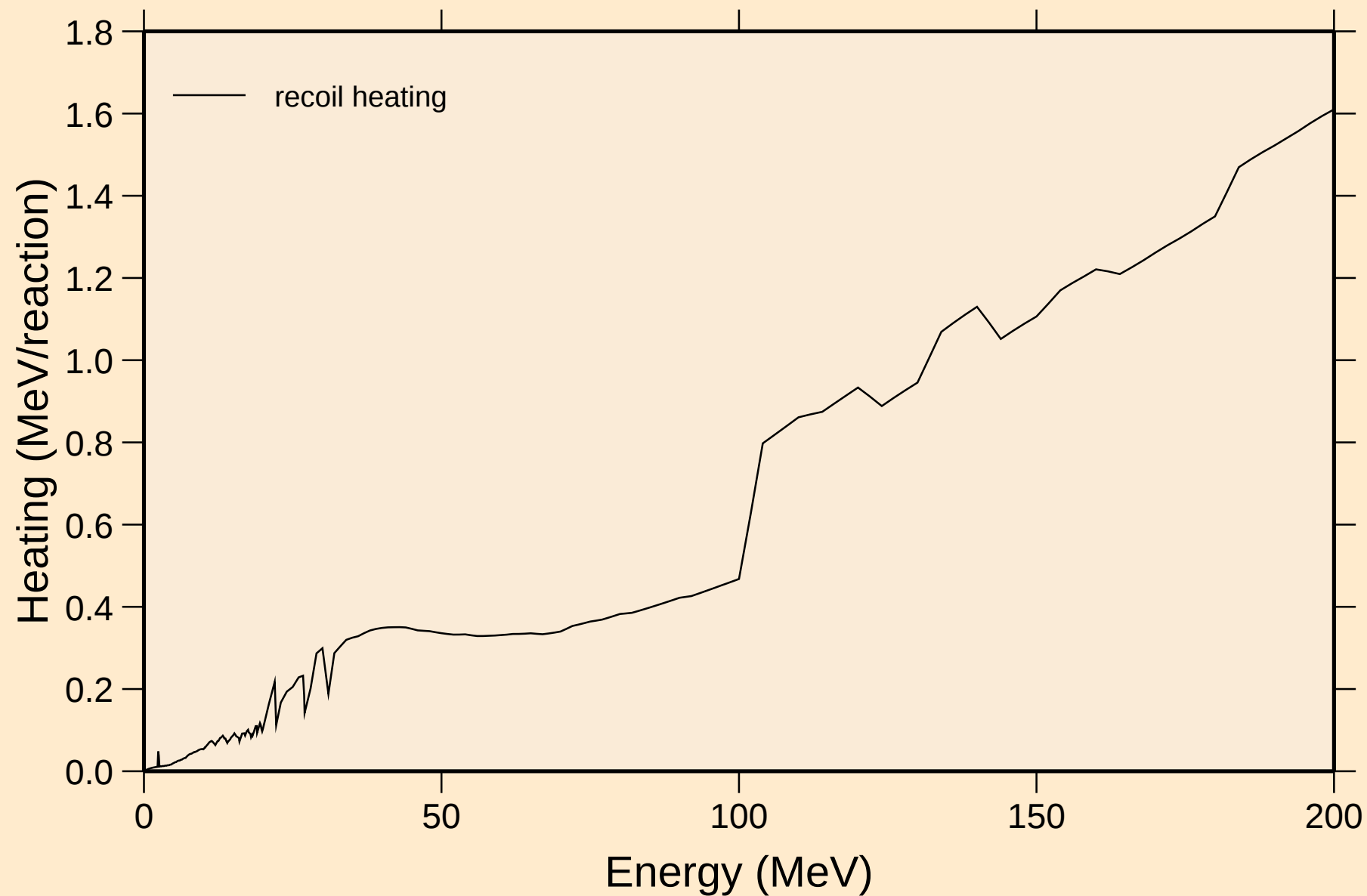
# HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Particle heating contributions



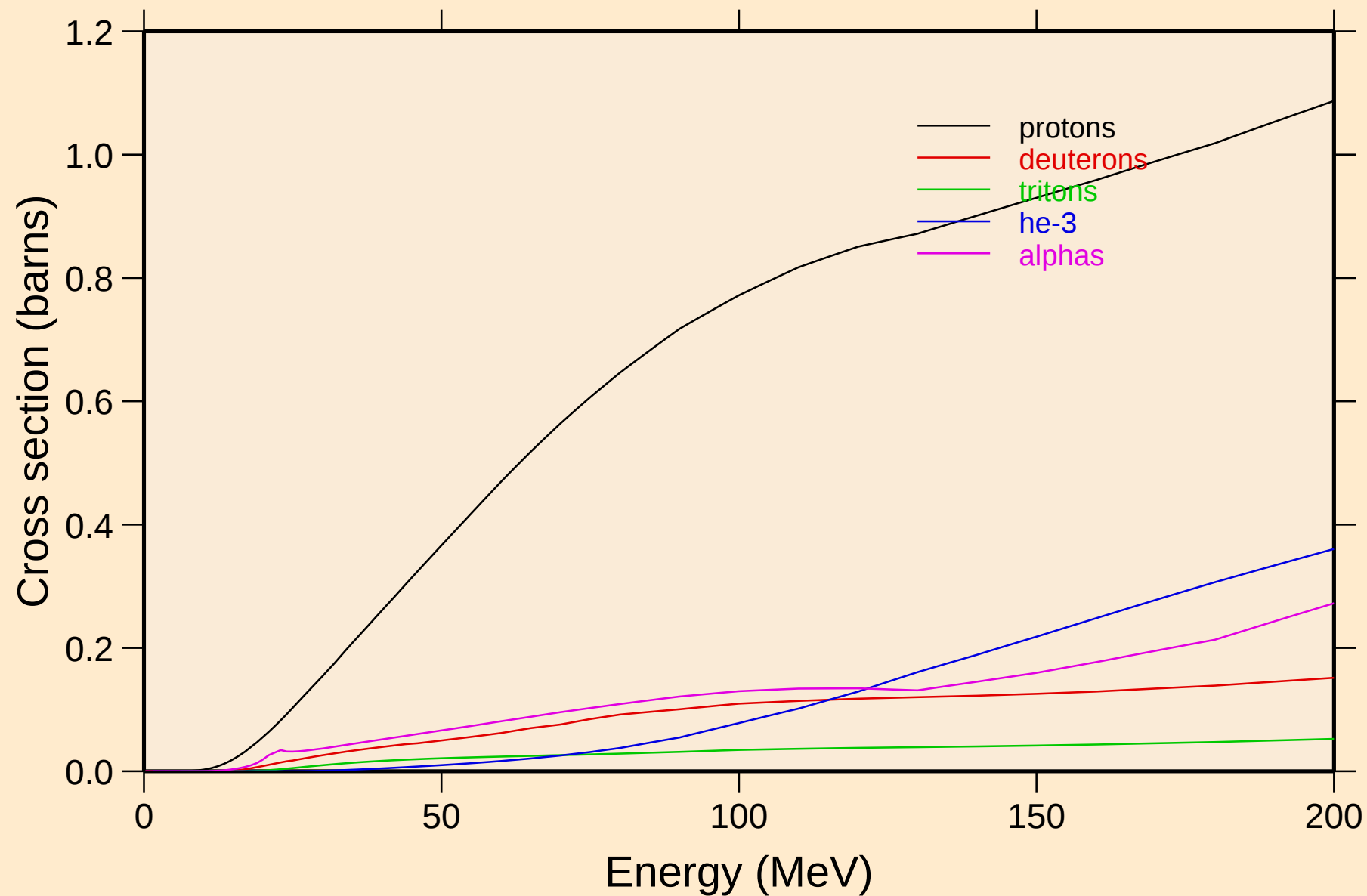
# HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Recoil Heating

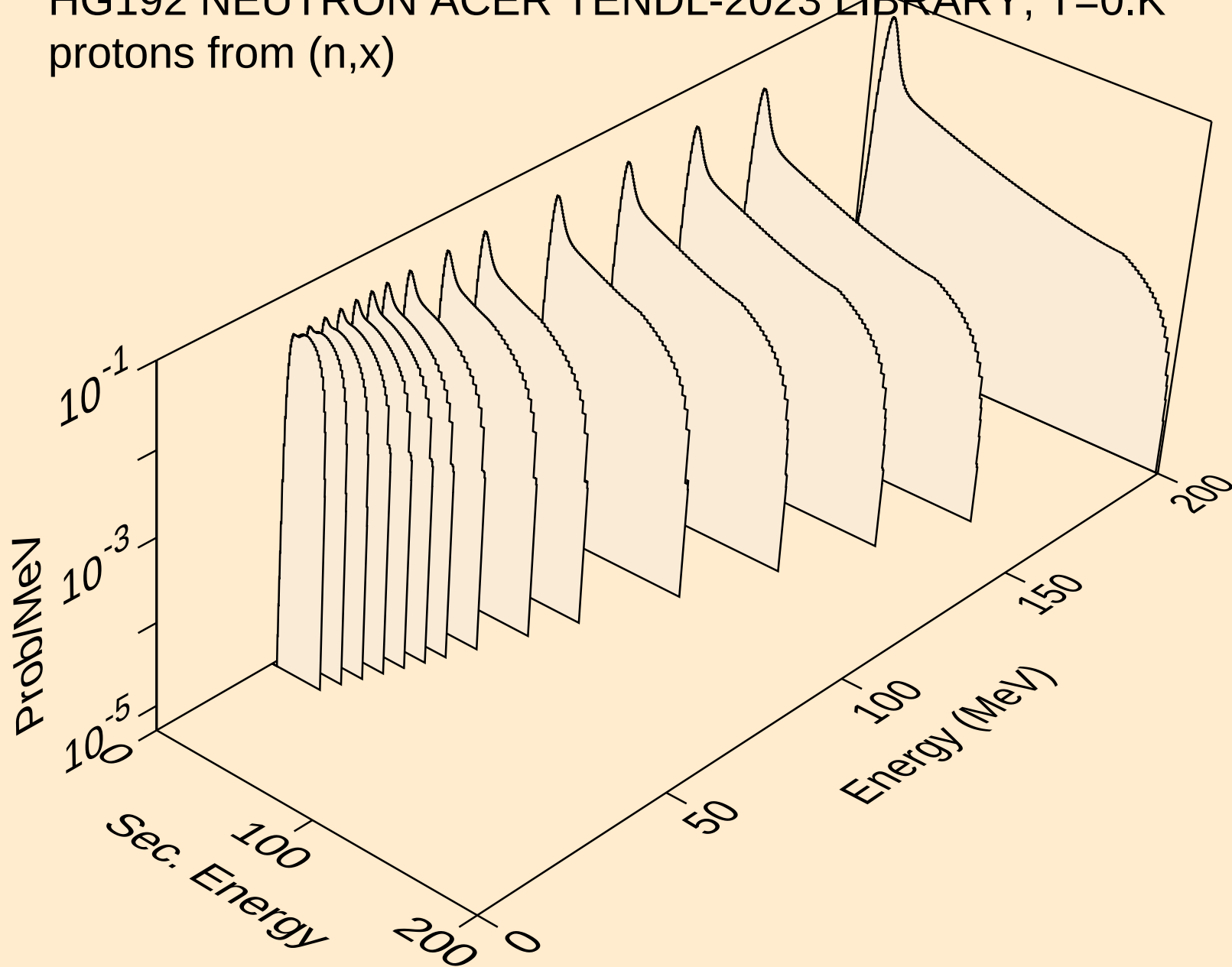


# HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

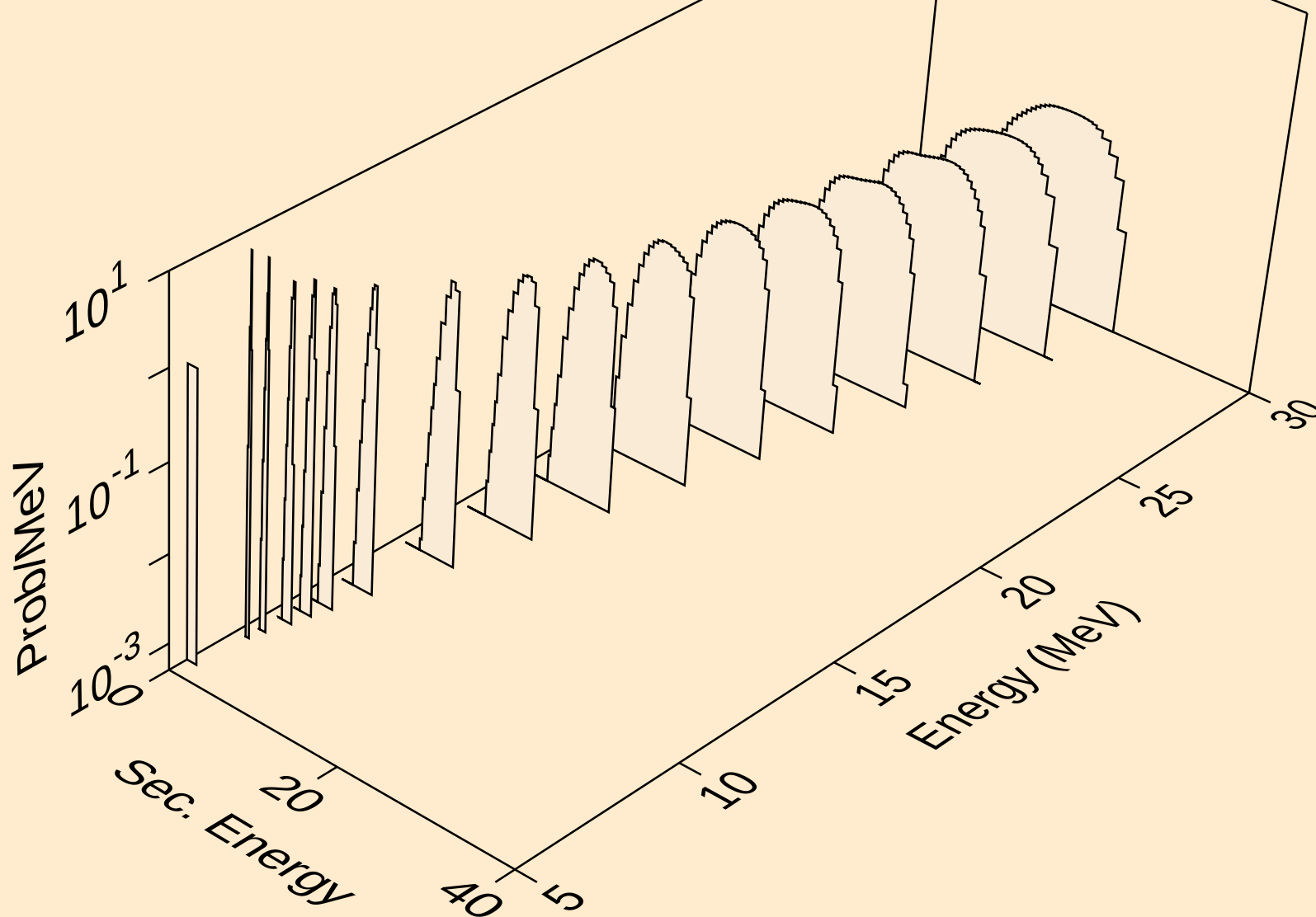
## Particle production cross sections



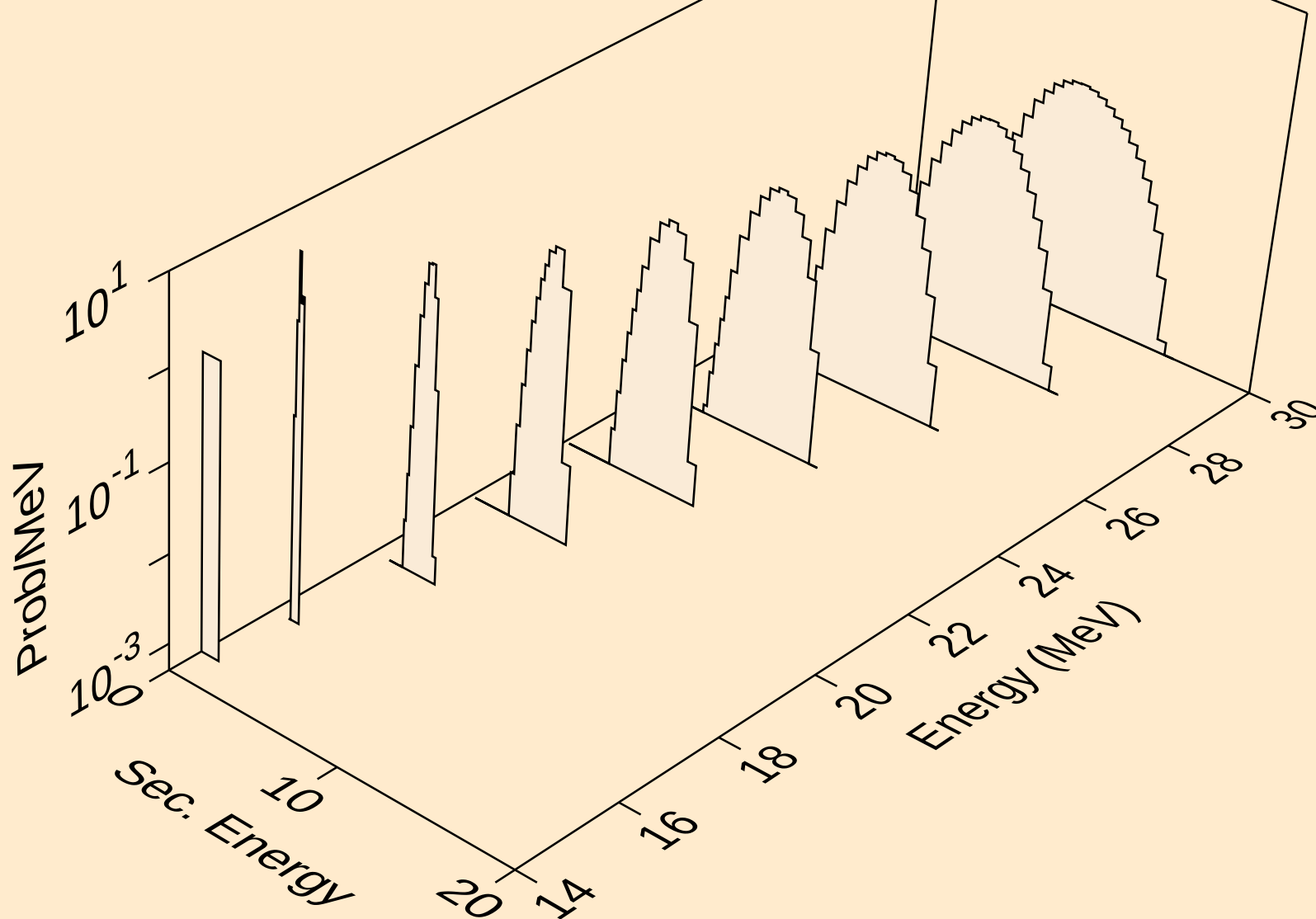
HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,x)



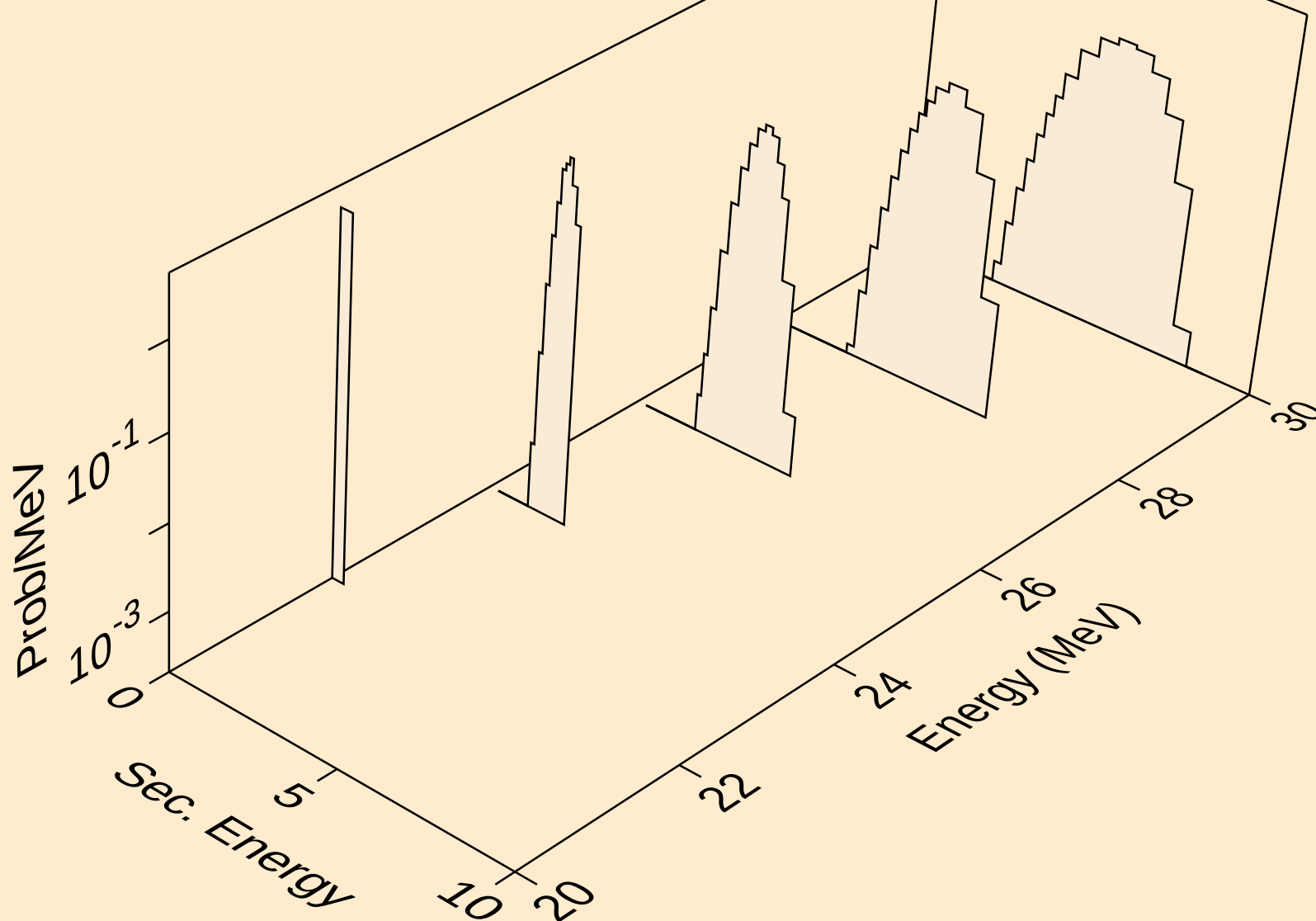
HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n\*)p



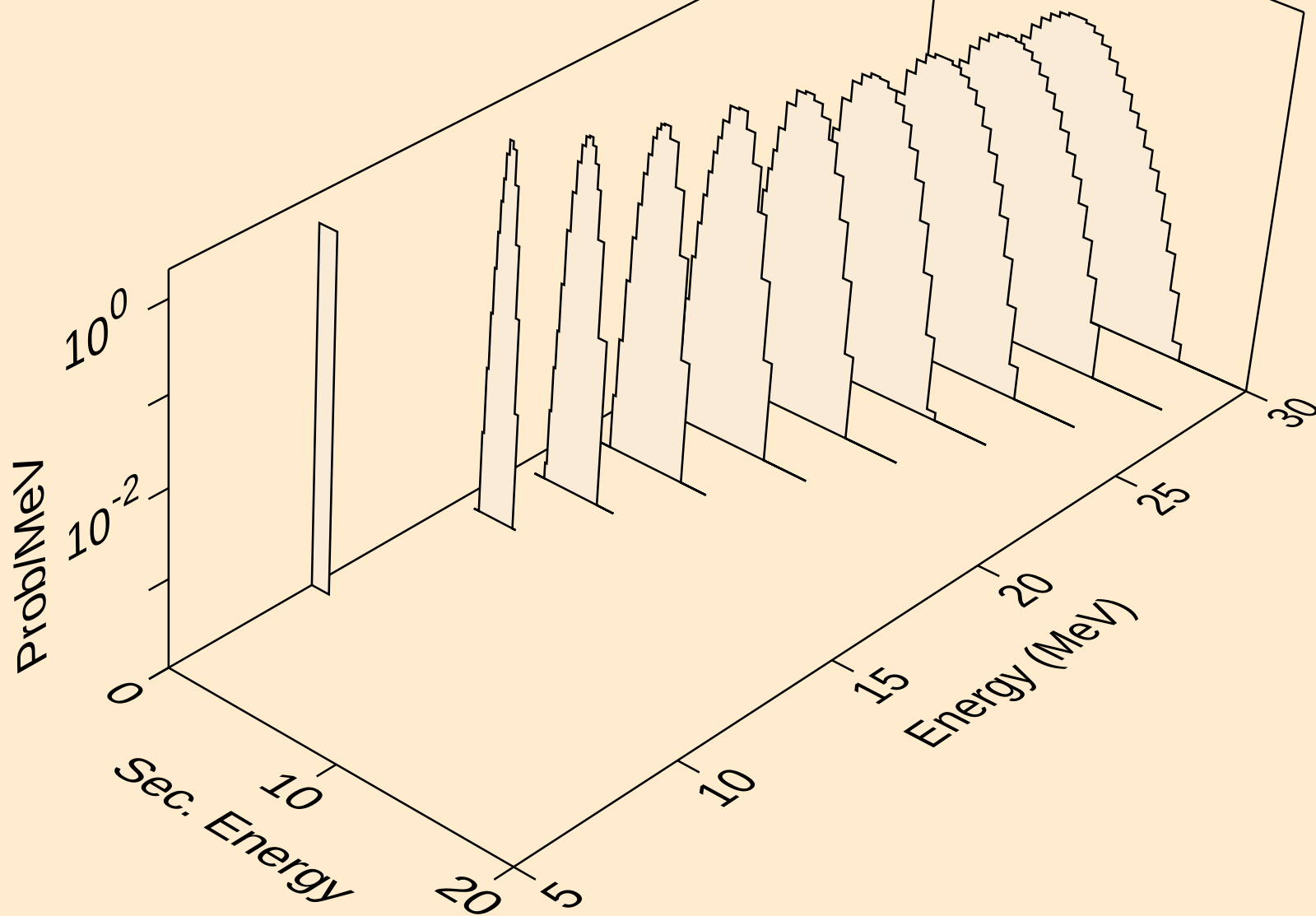
HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,2np)



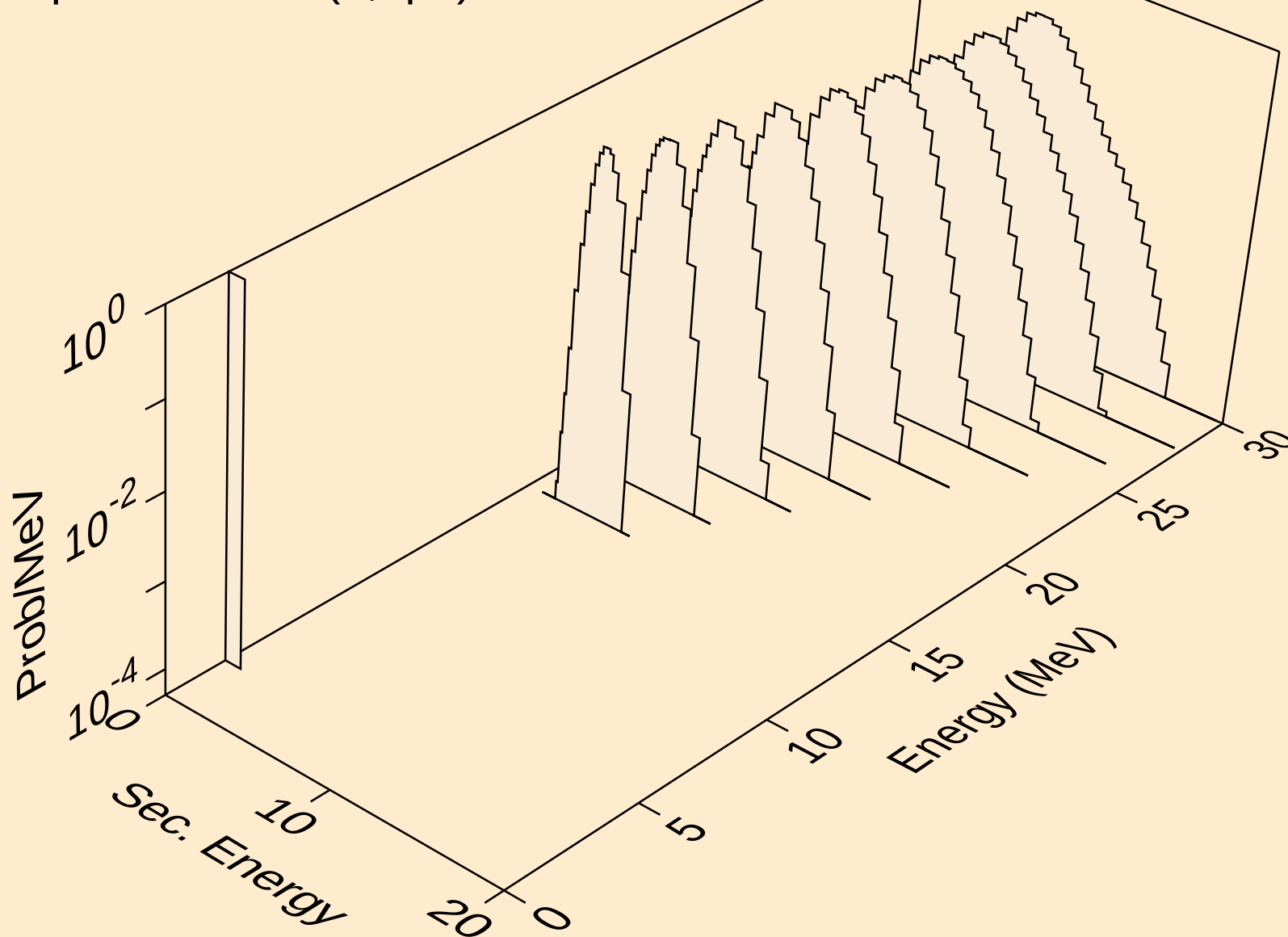
HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,3np)



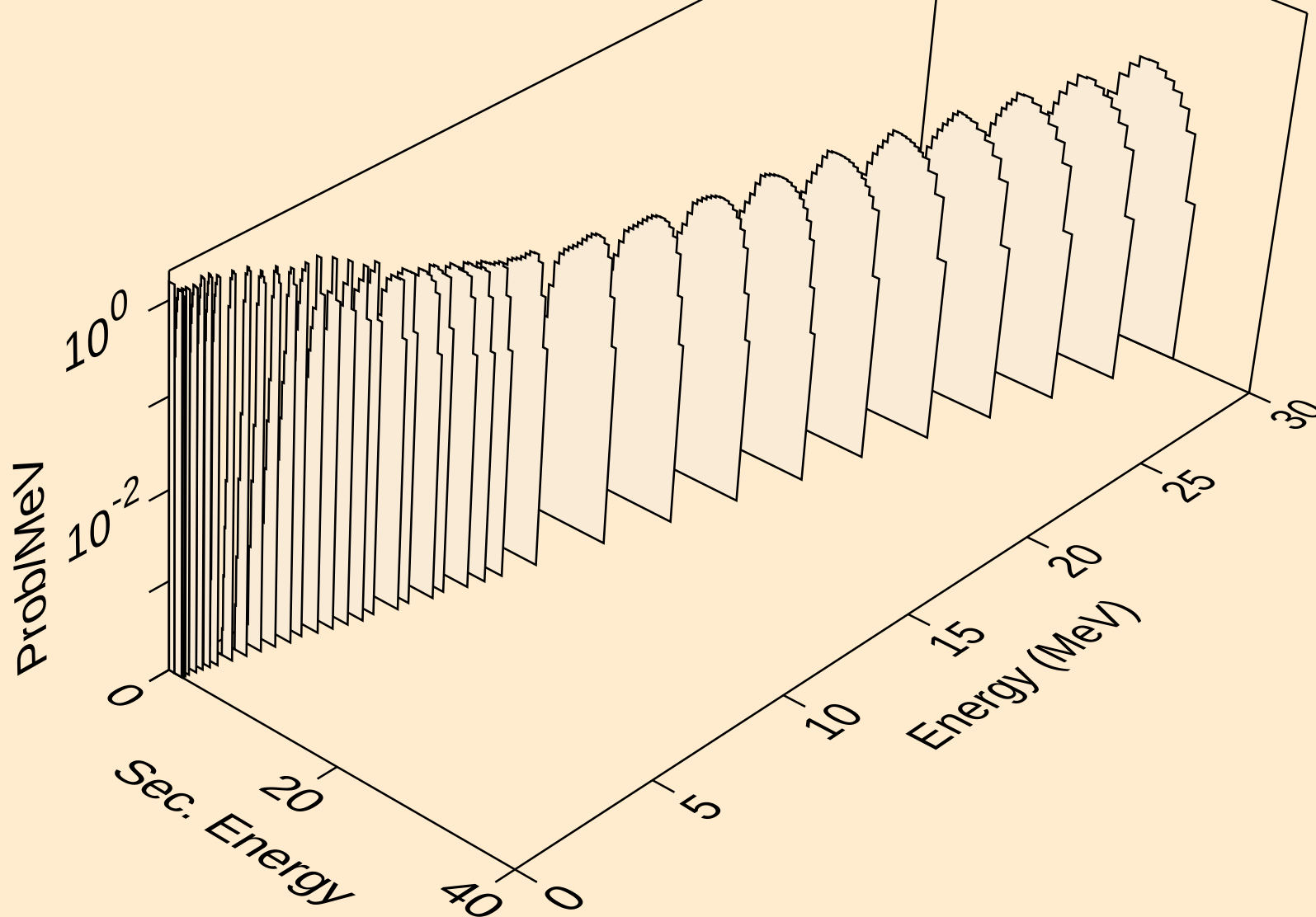
HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n2p)



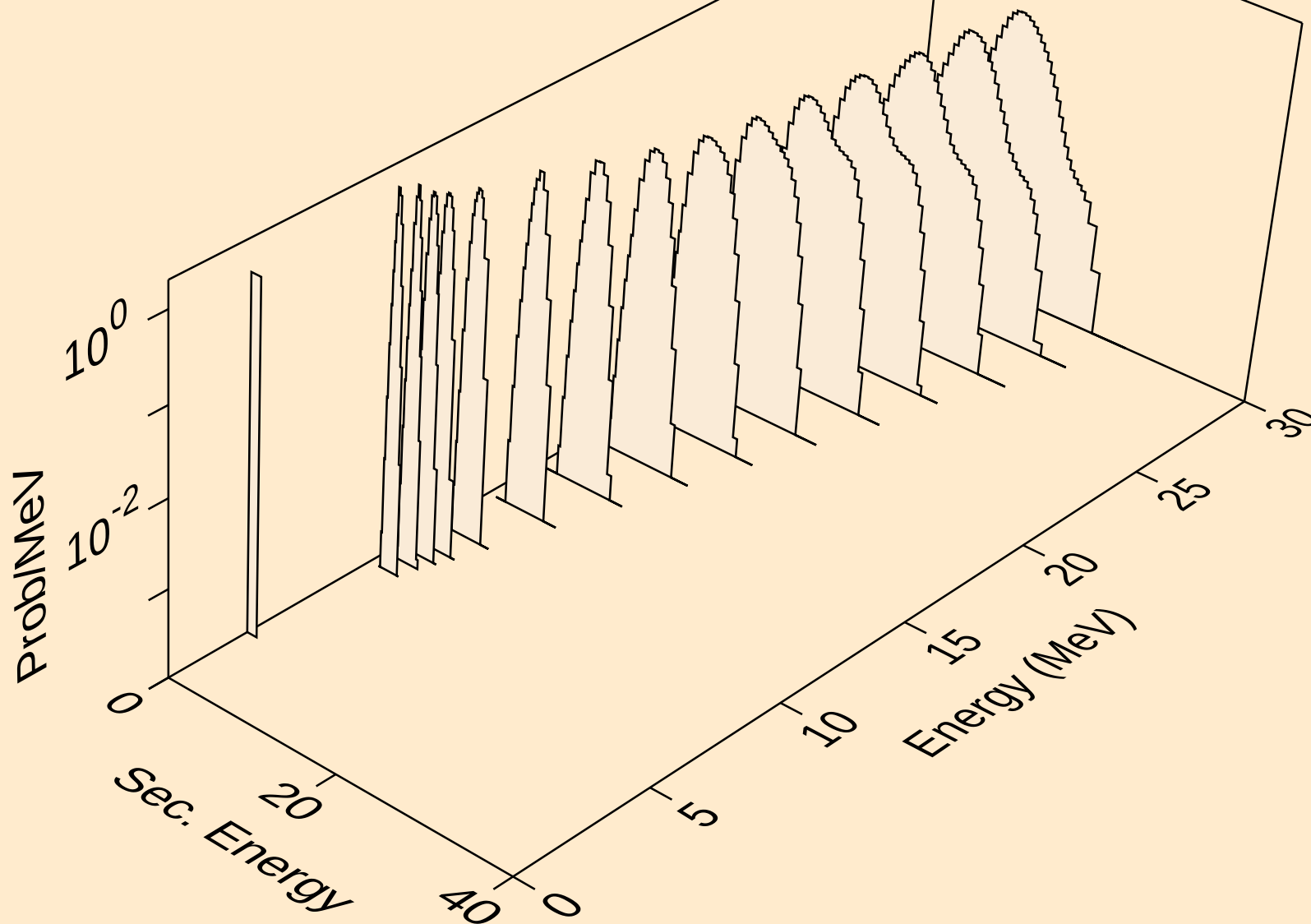
HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,npa)



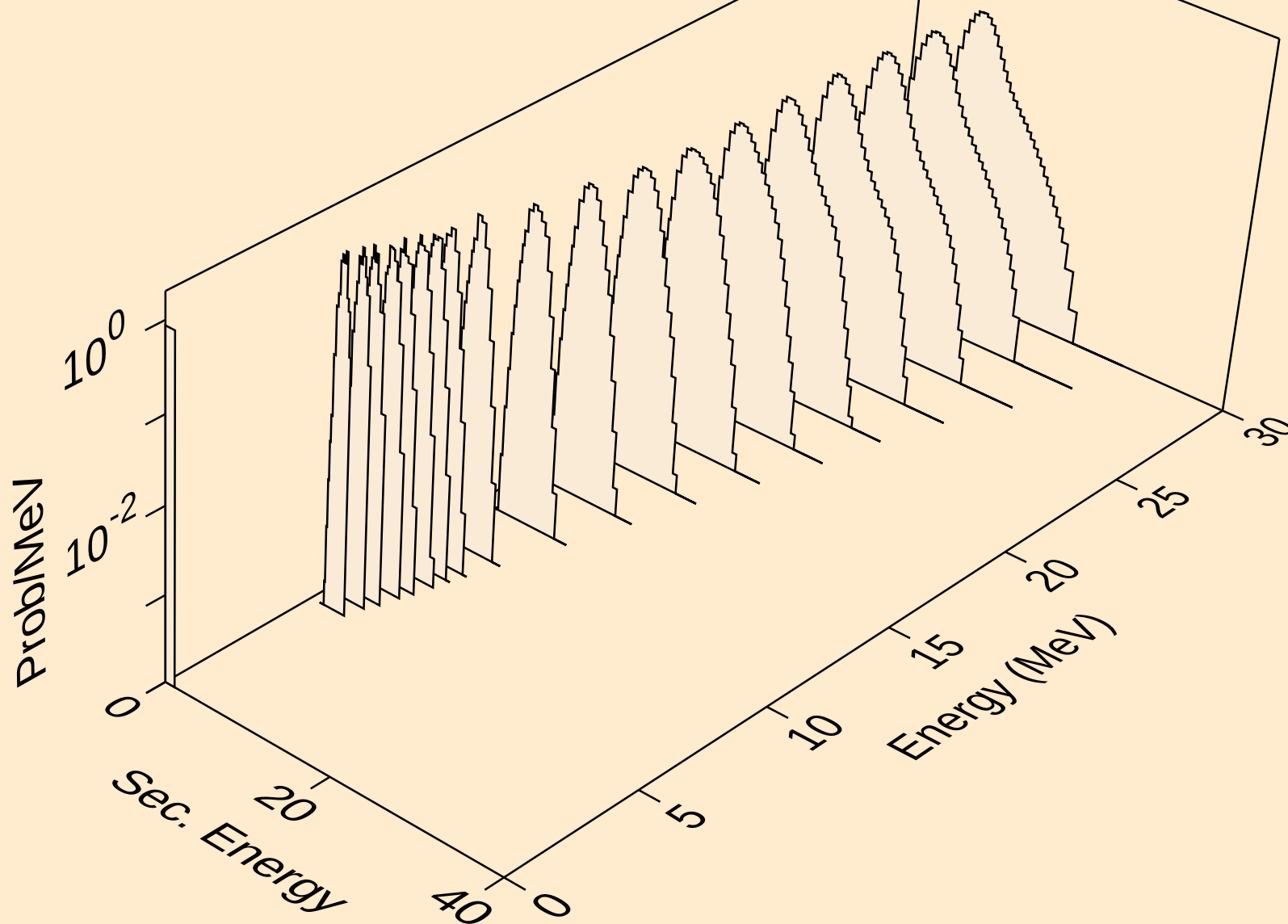
HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,p)



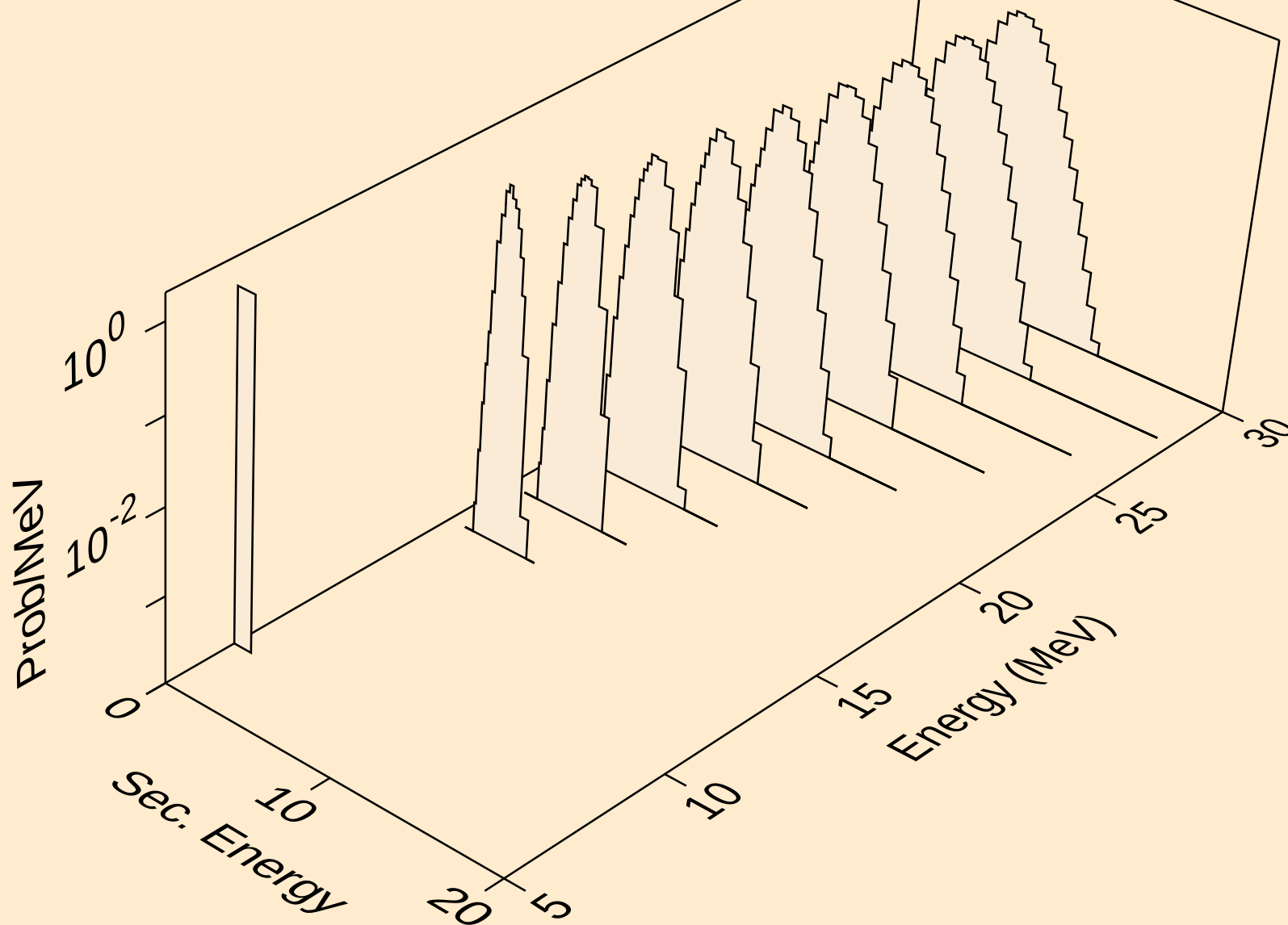
HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,2p)



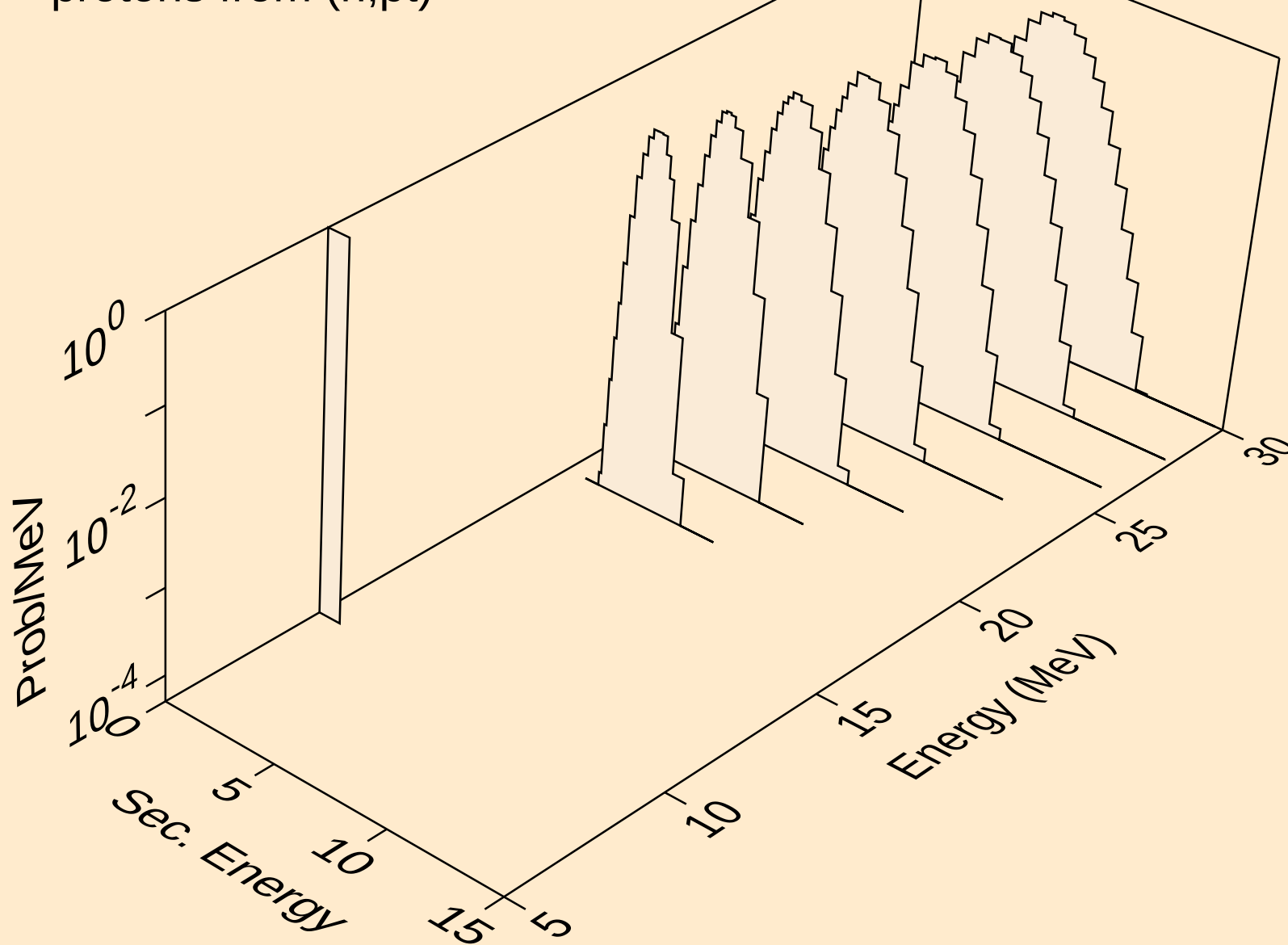
HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,p)



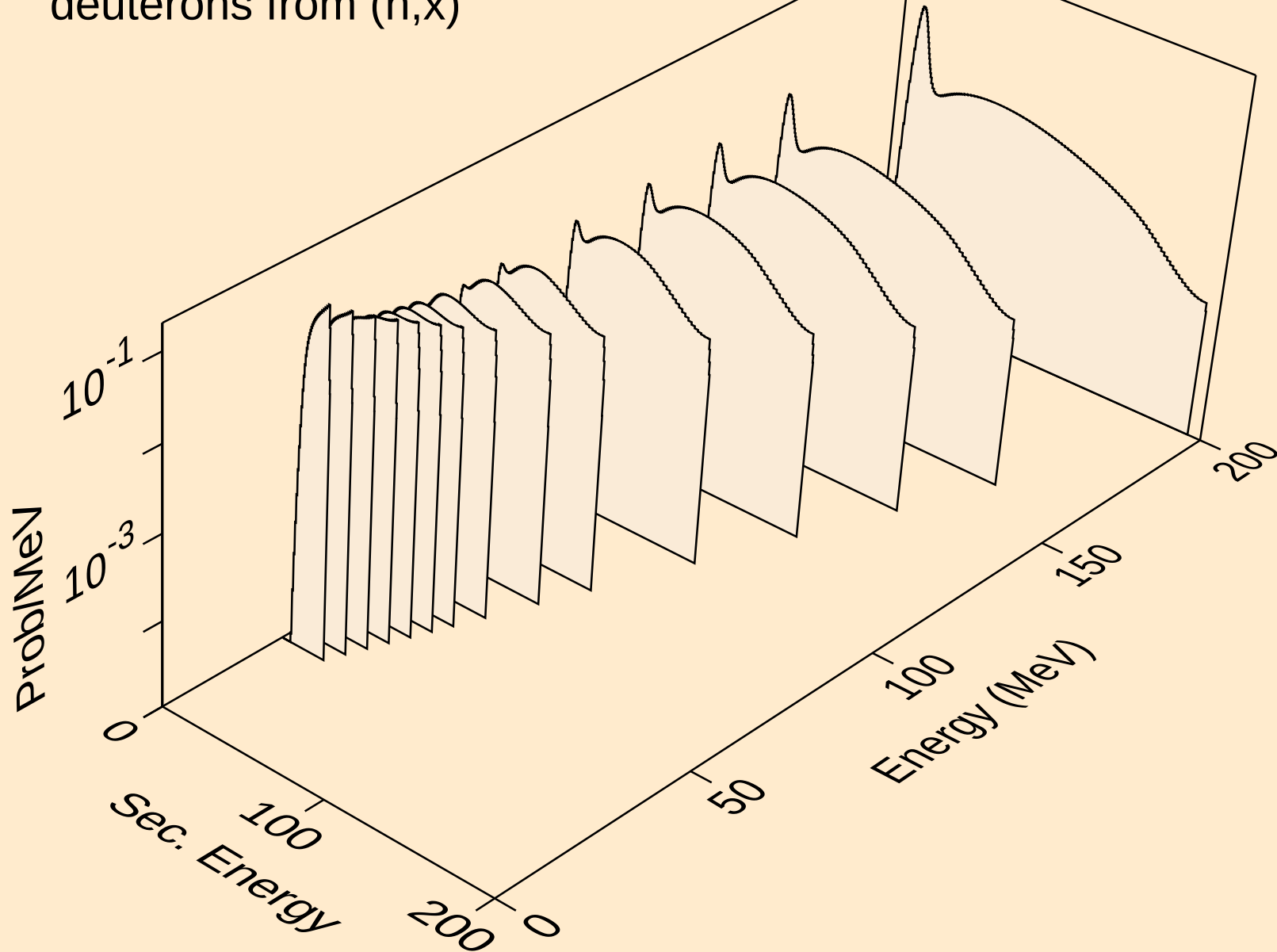
HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,pd)



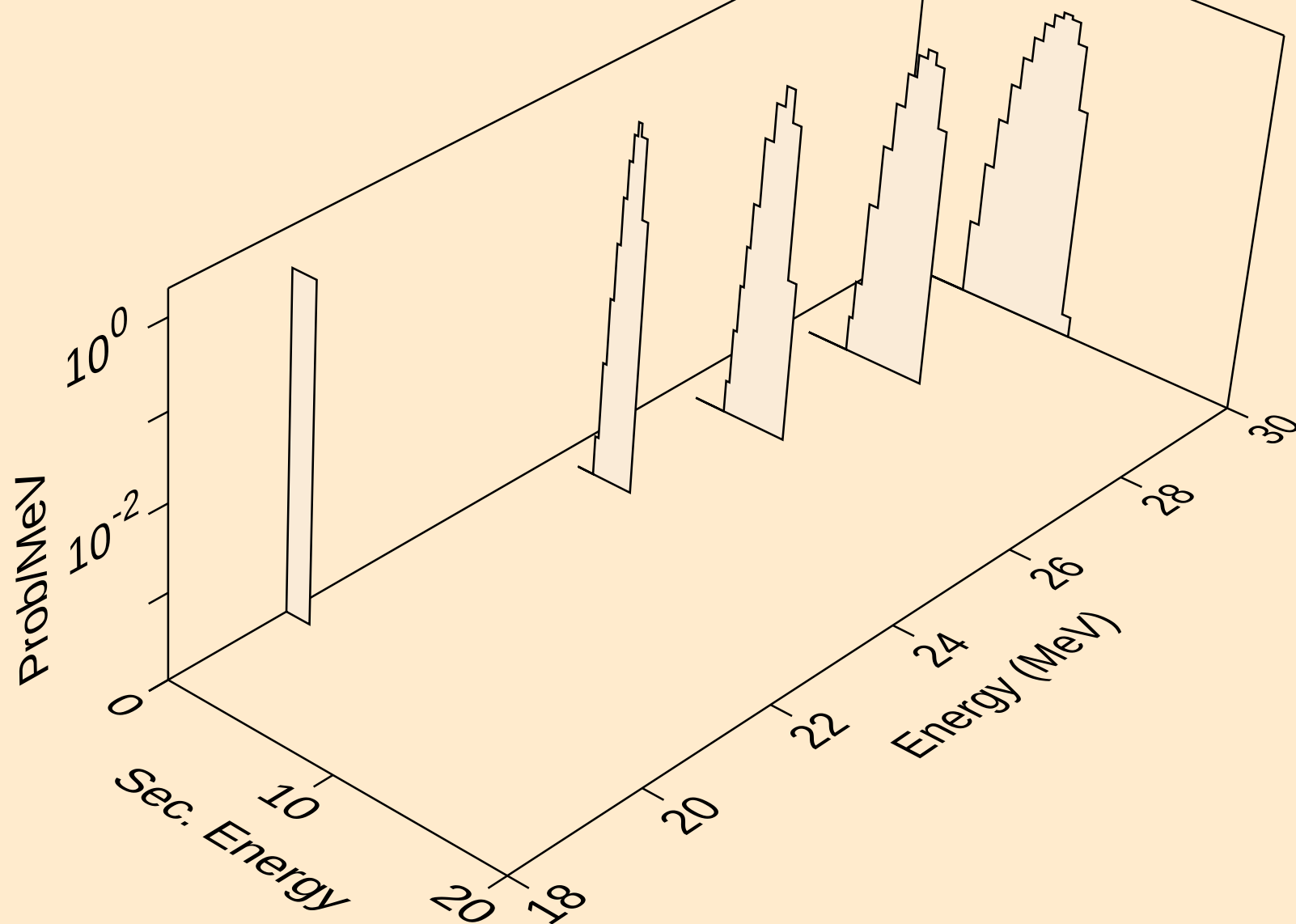
HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,pt)



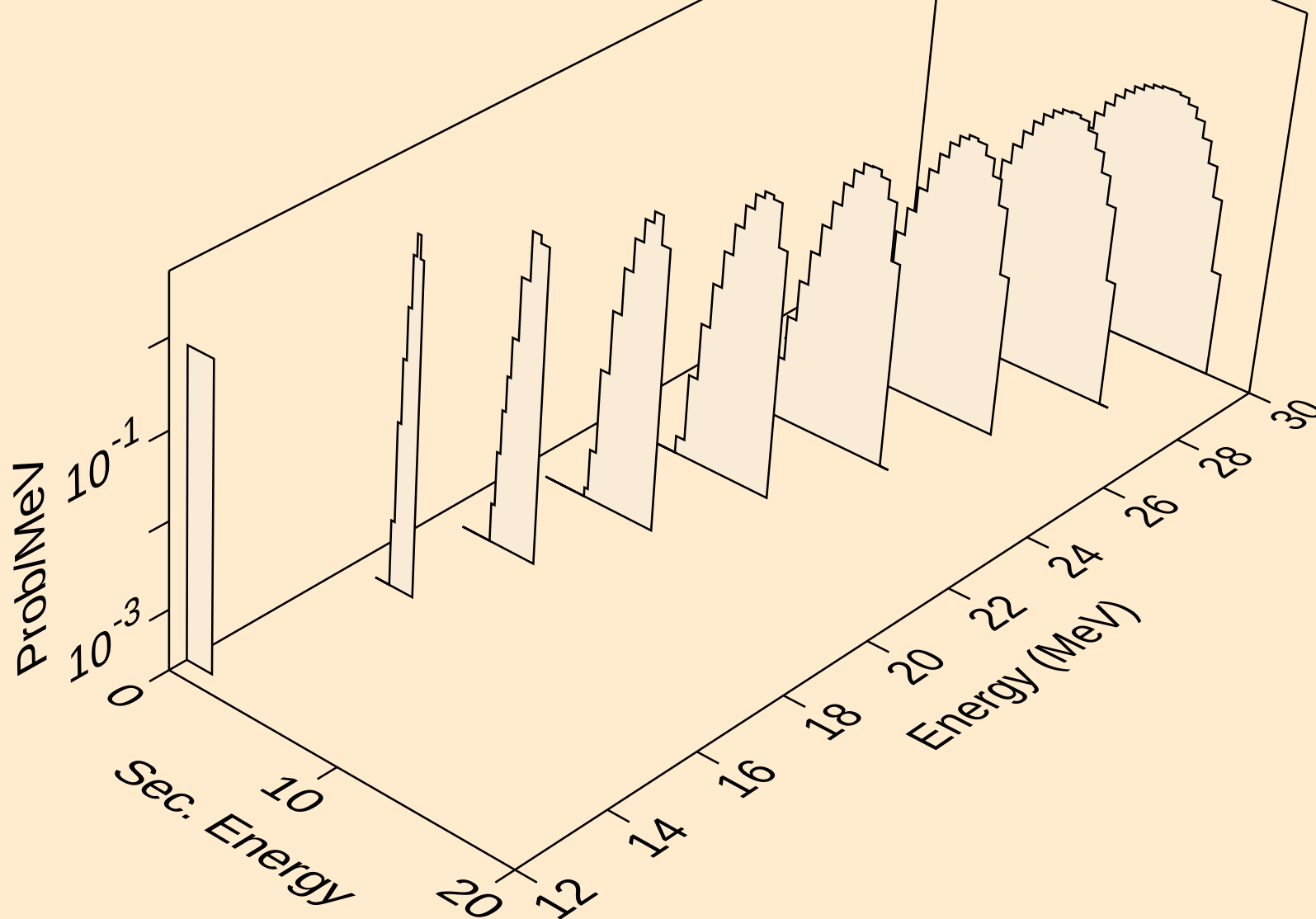
HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,x)



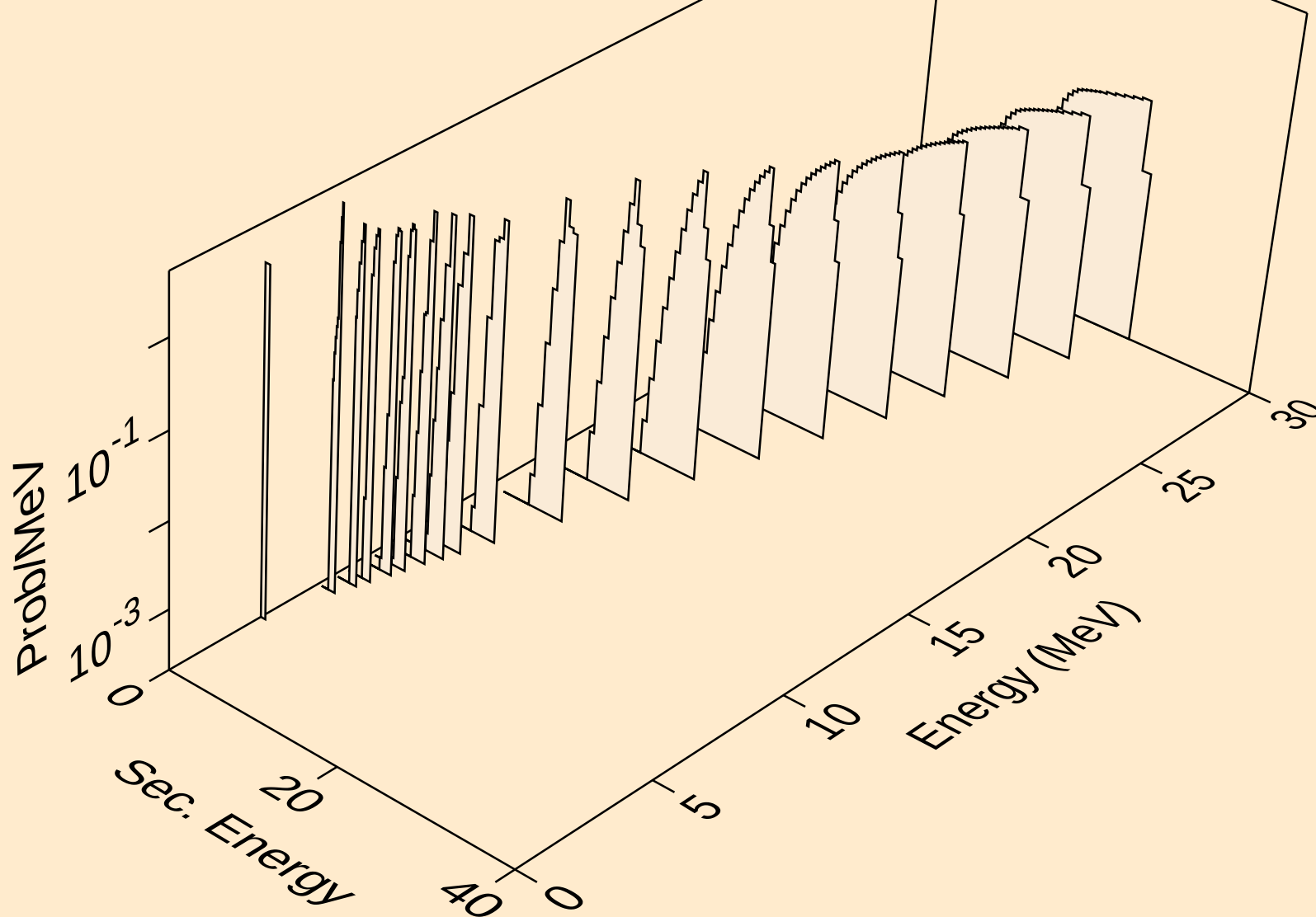
HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,2nd)



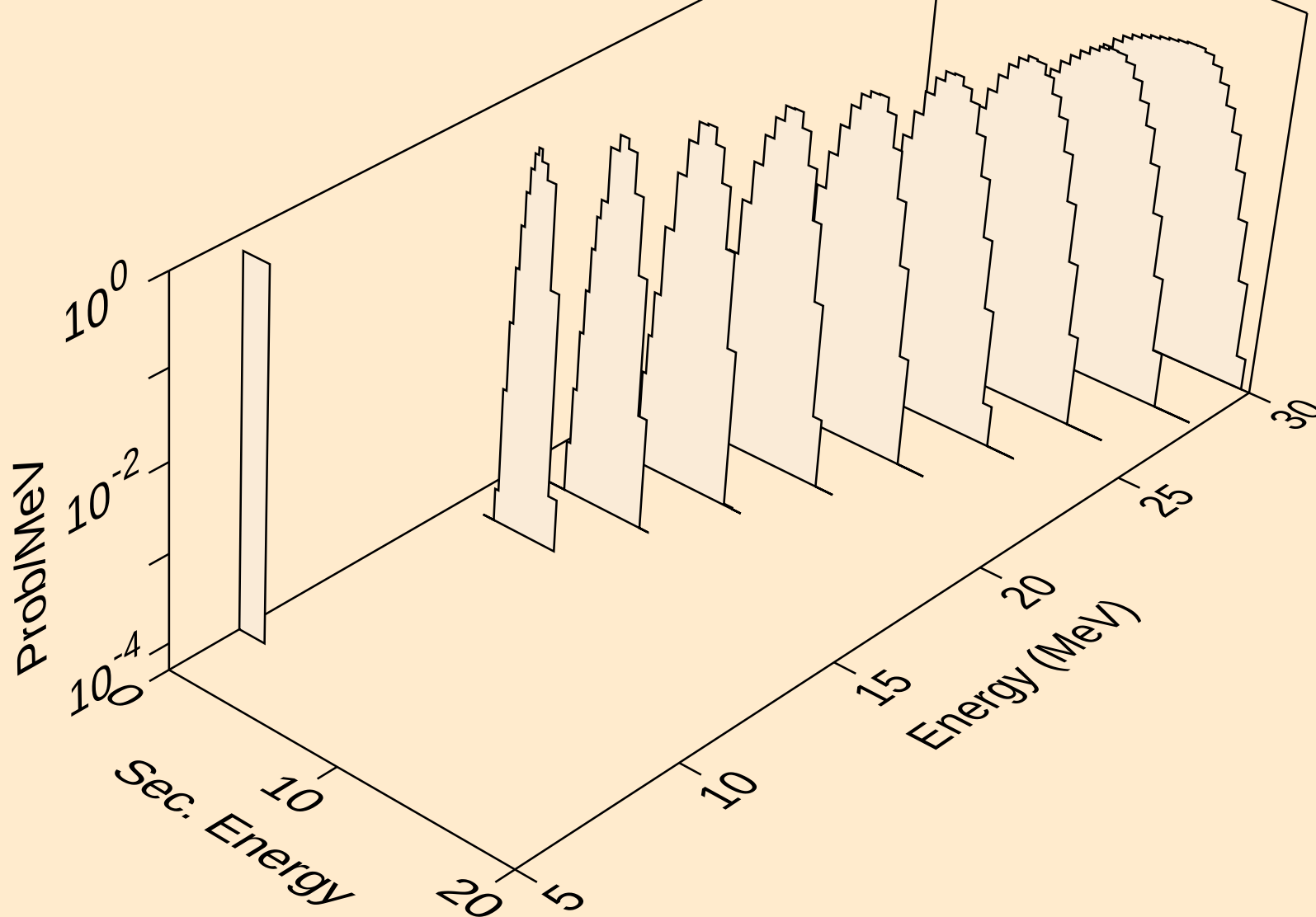
HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,n\*)d



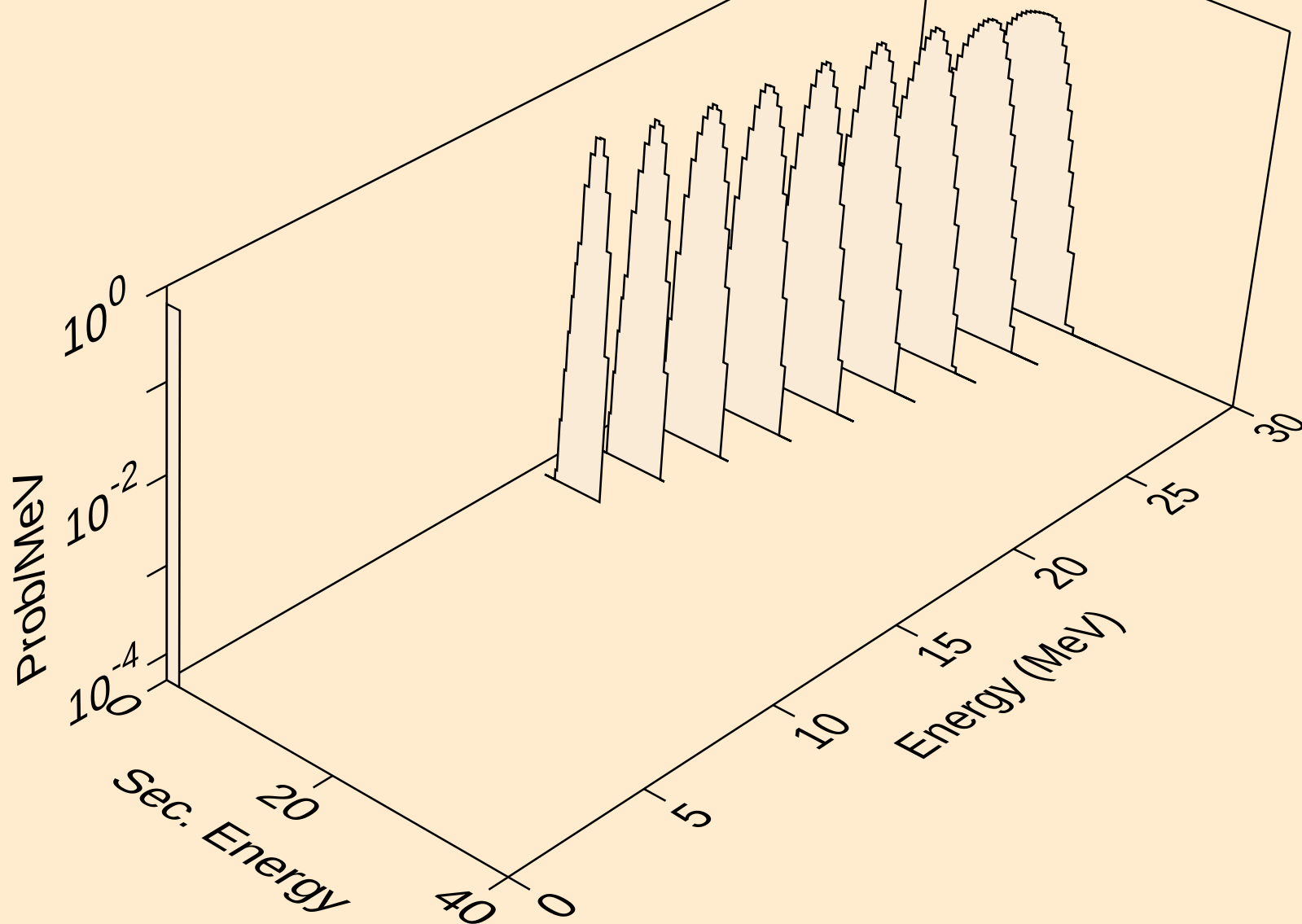
HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,d)



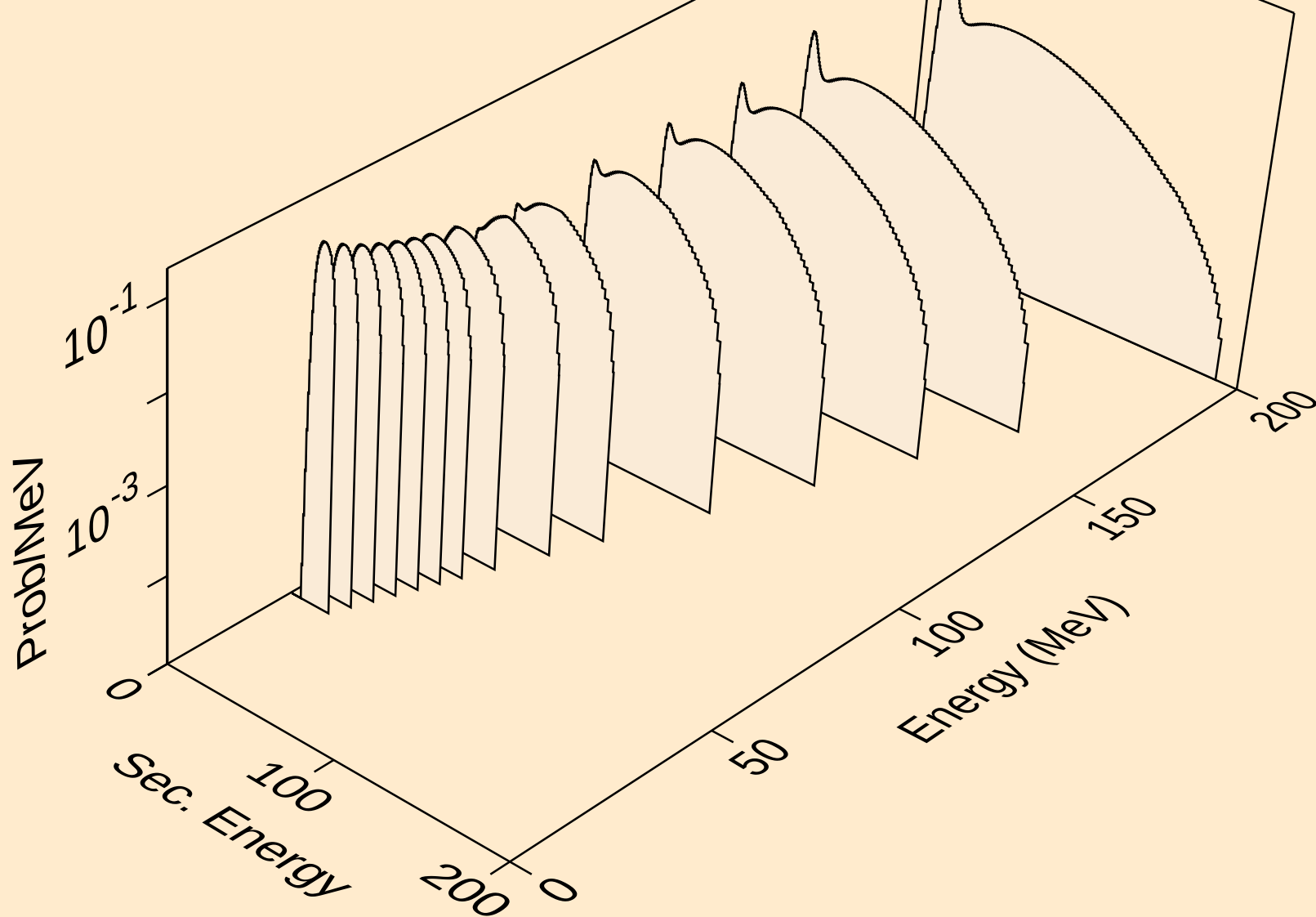
HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,pd)



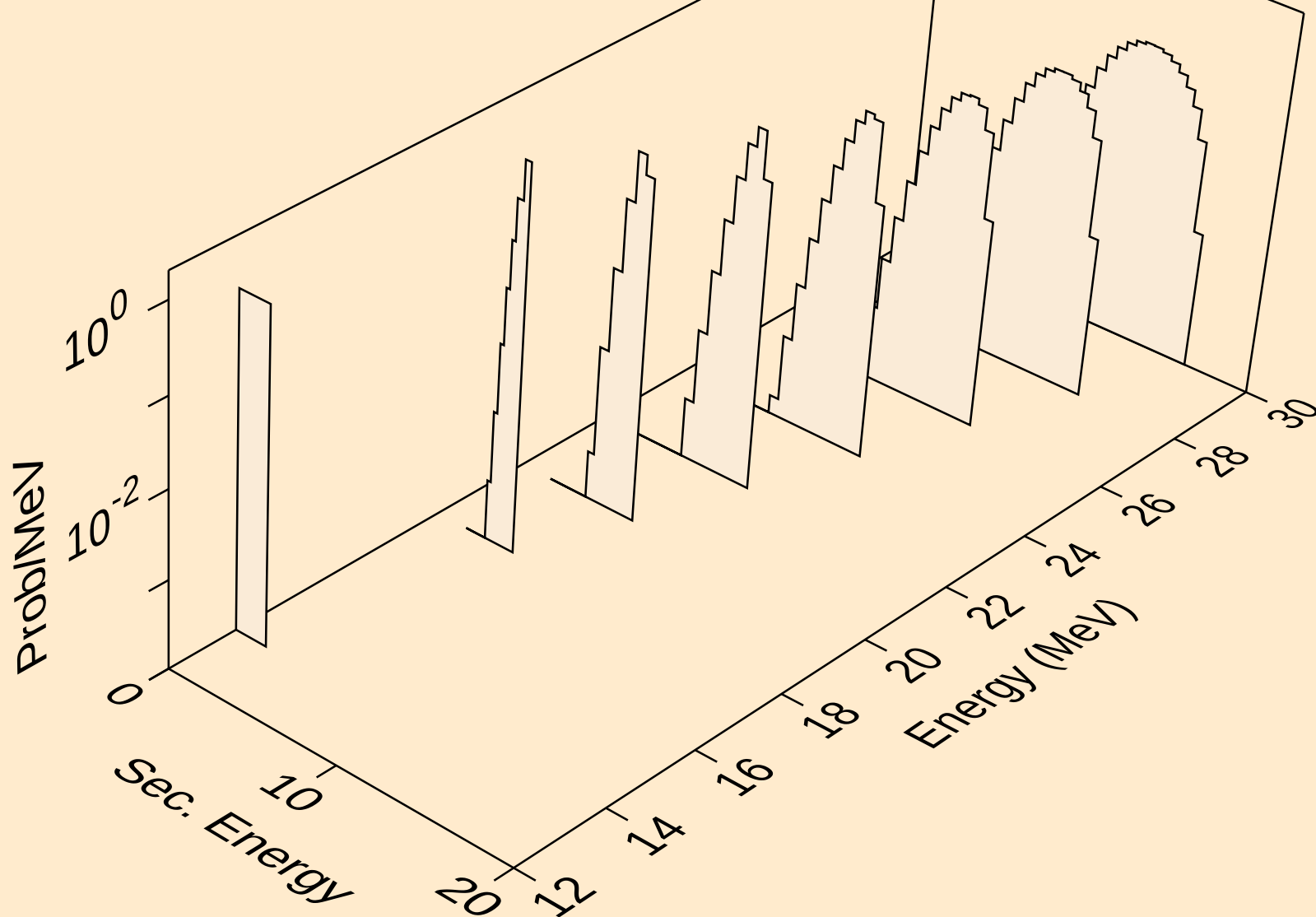
HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,da)



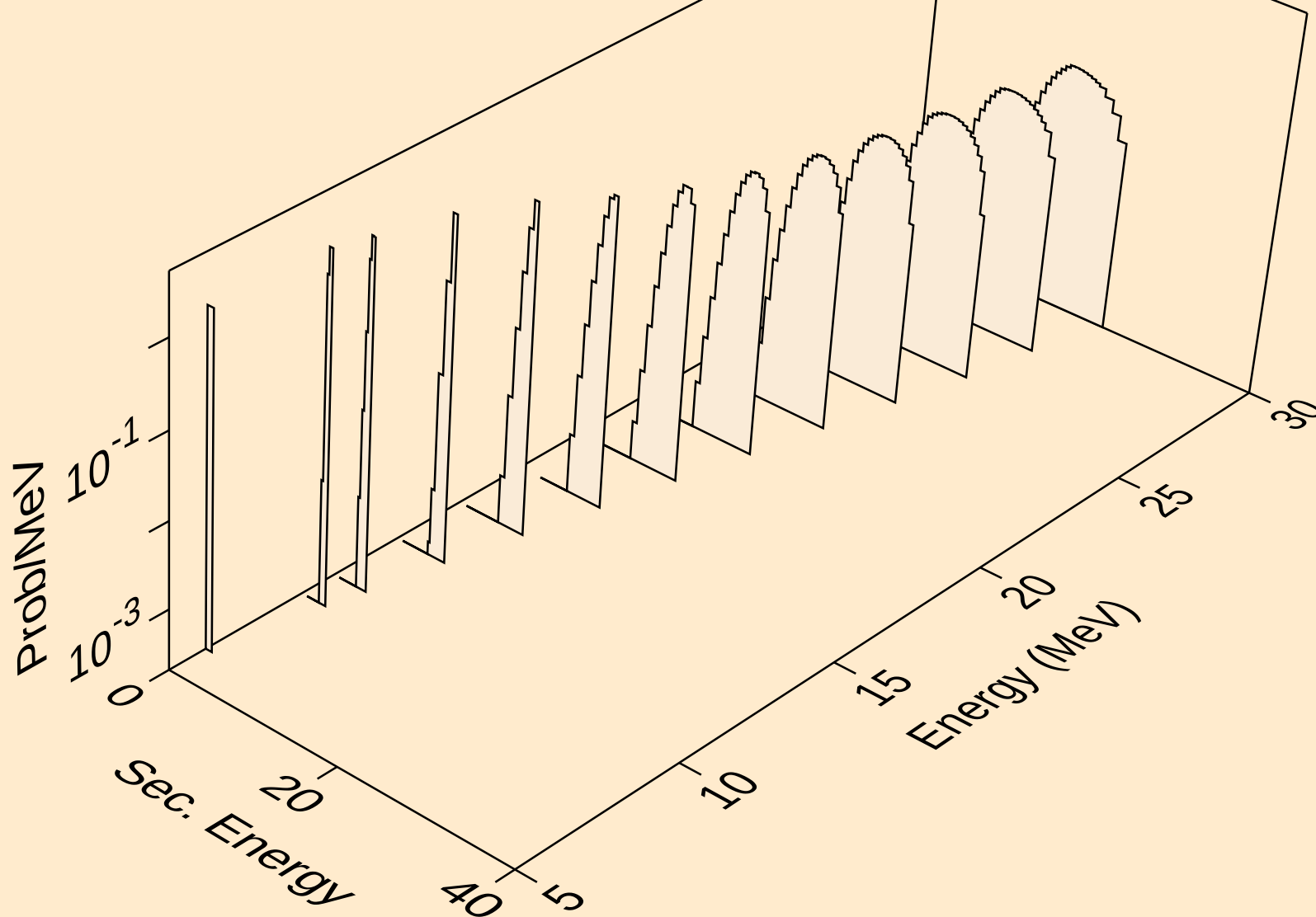
HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,x)



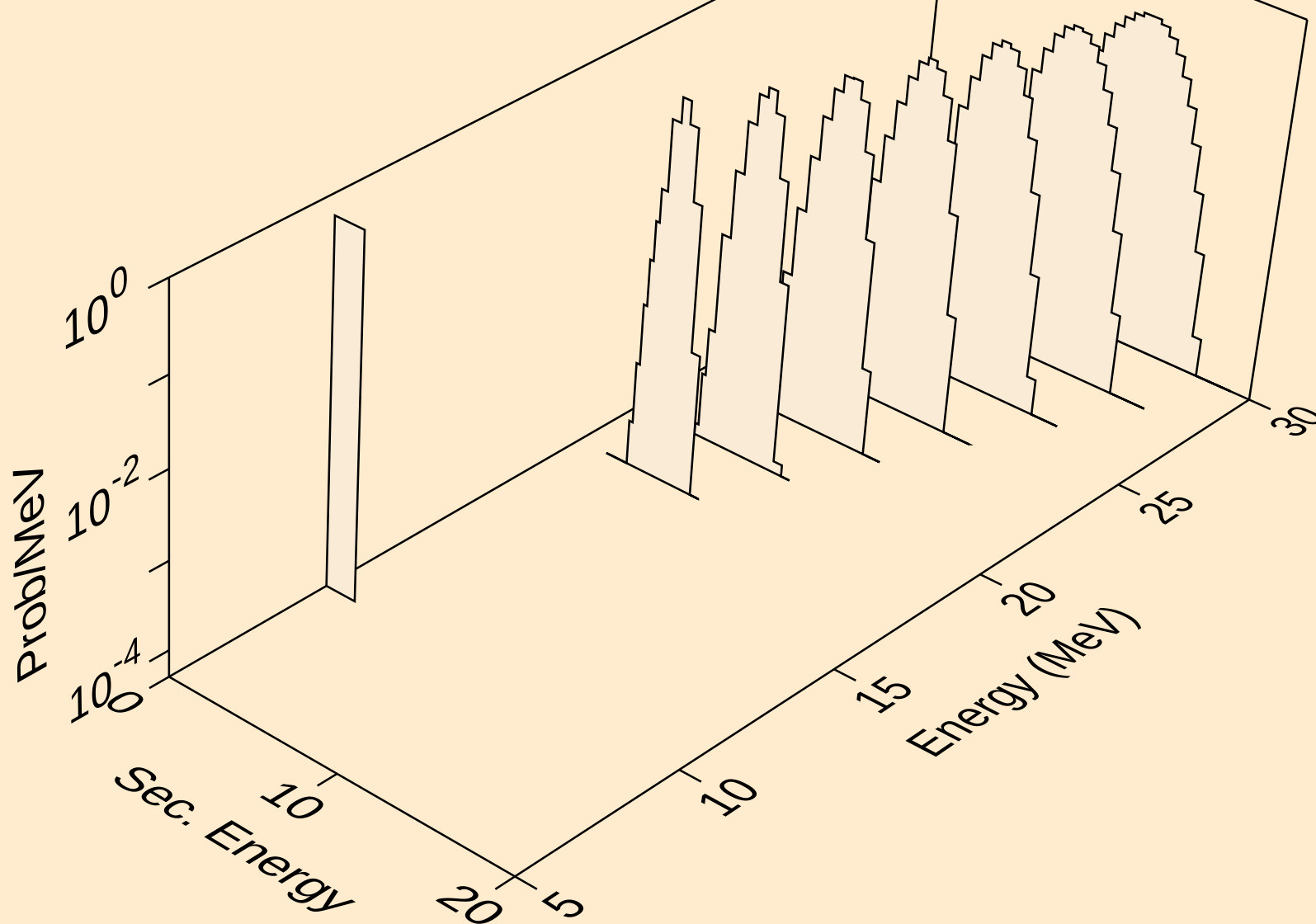
HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,n\*)t



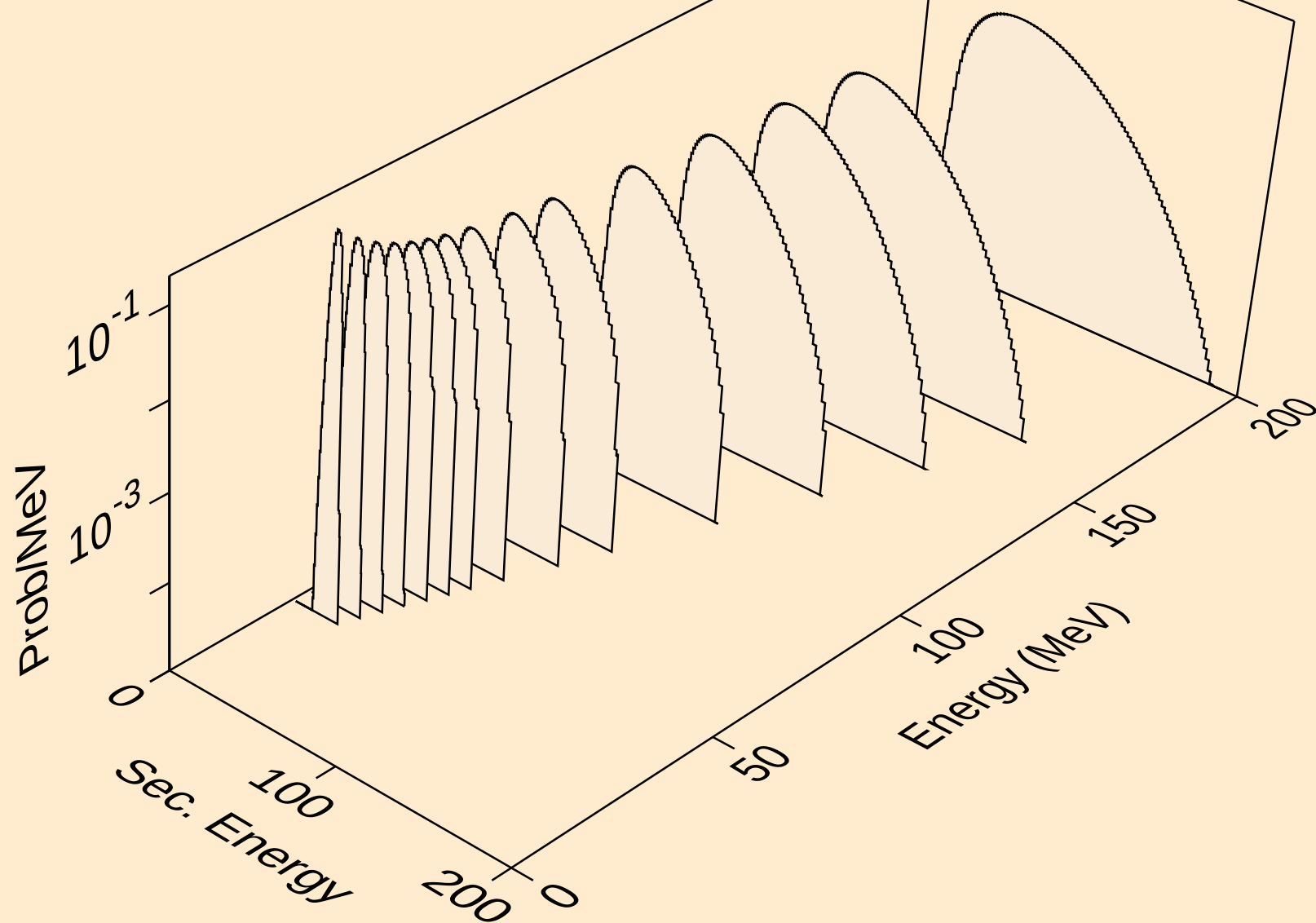
HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,t)



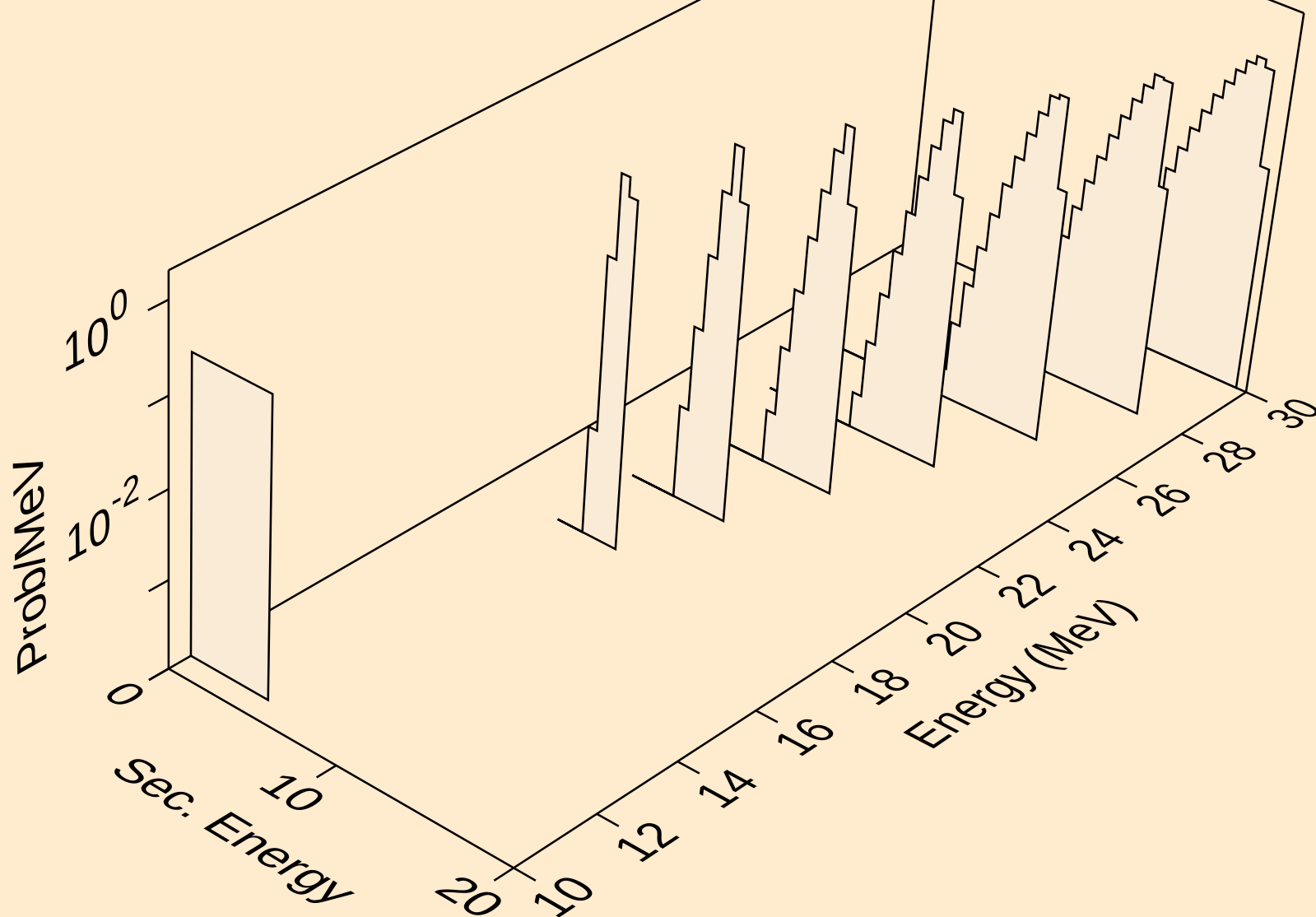
HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,pt)



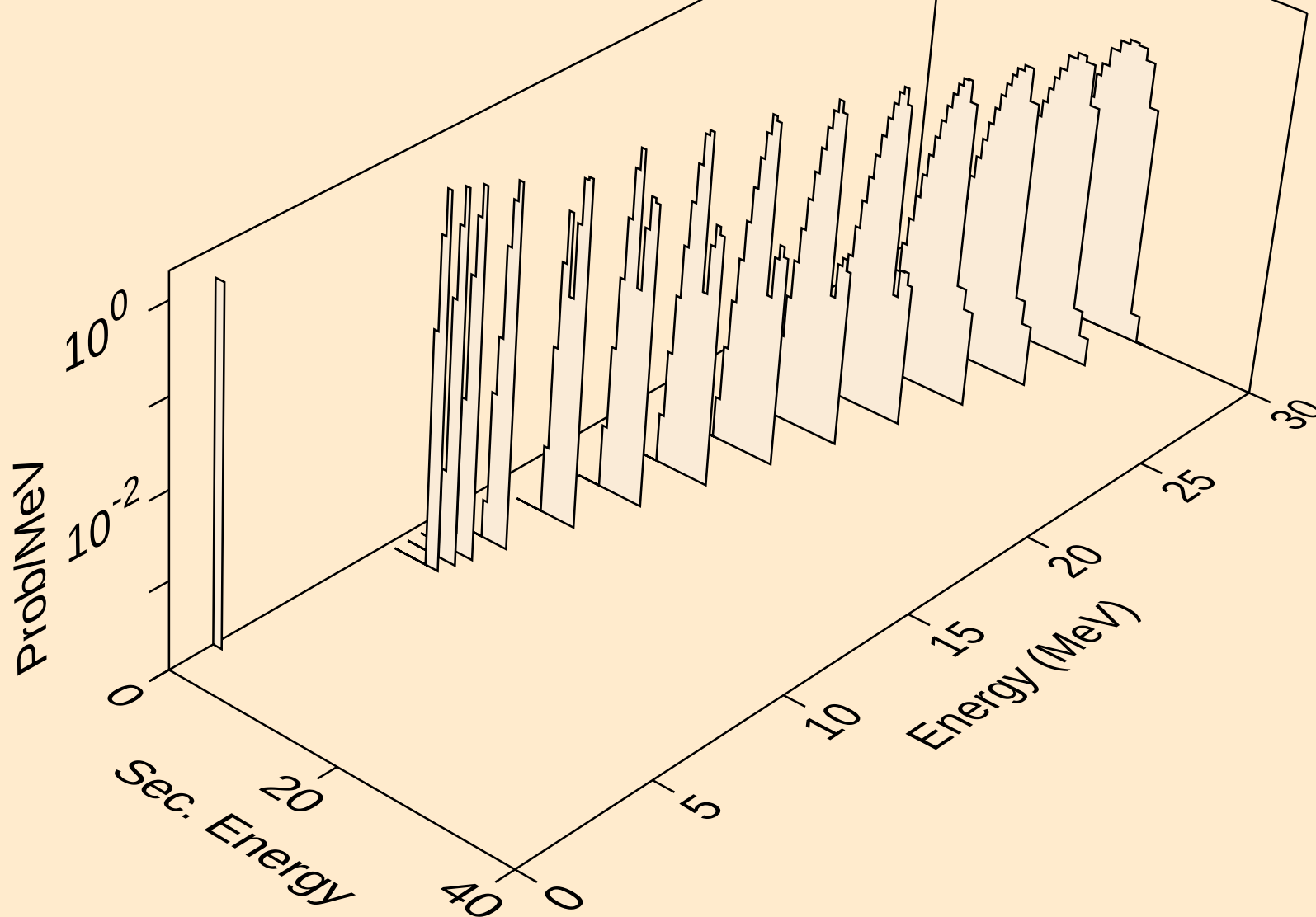
HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,x)



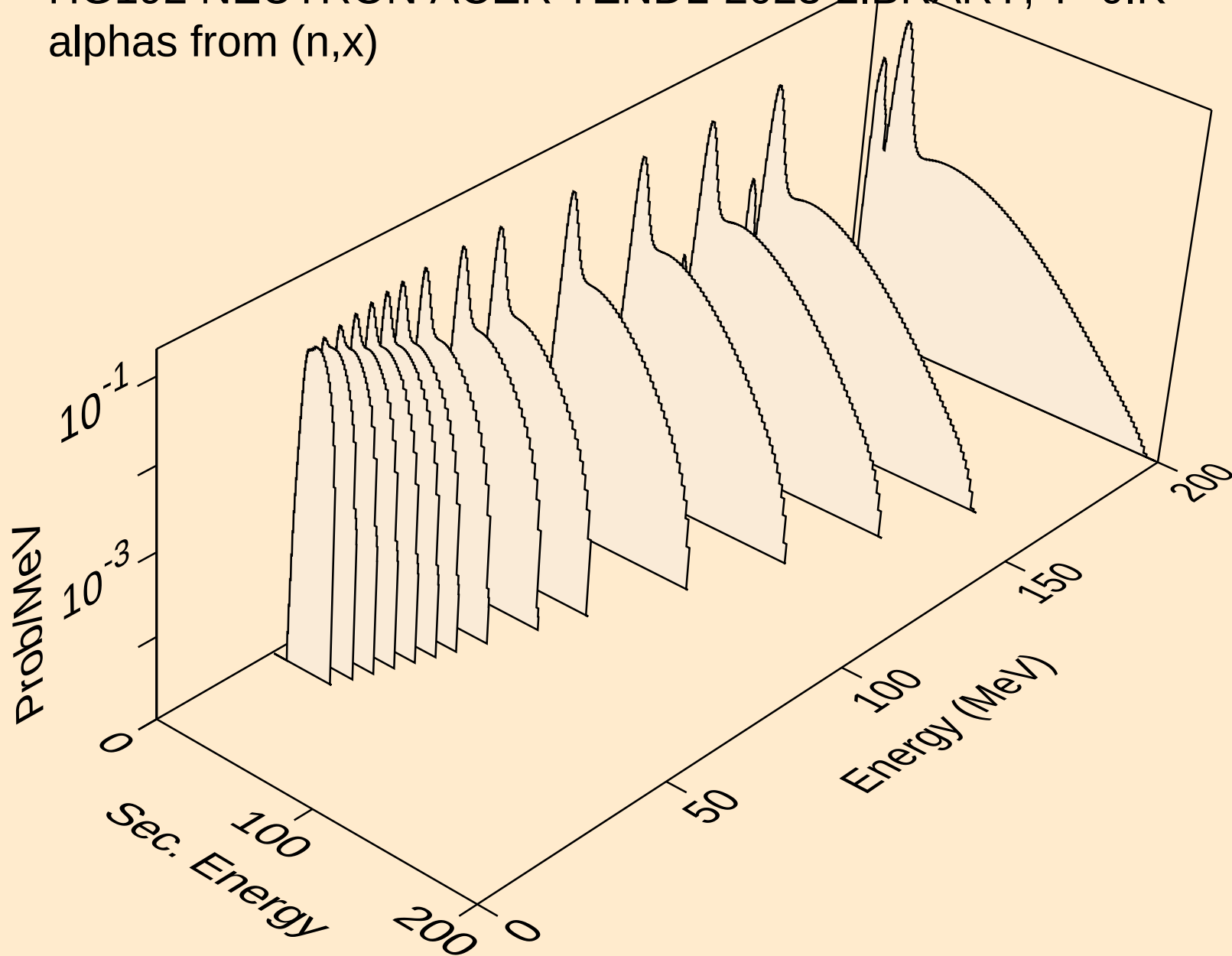
HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,n\*)he3



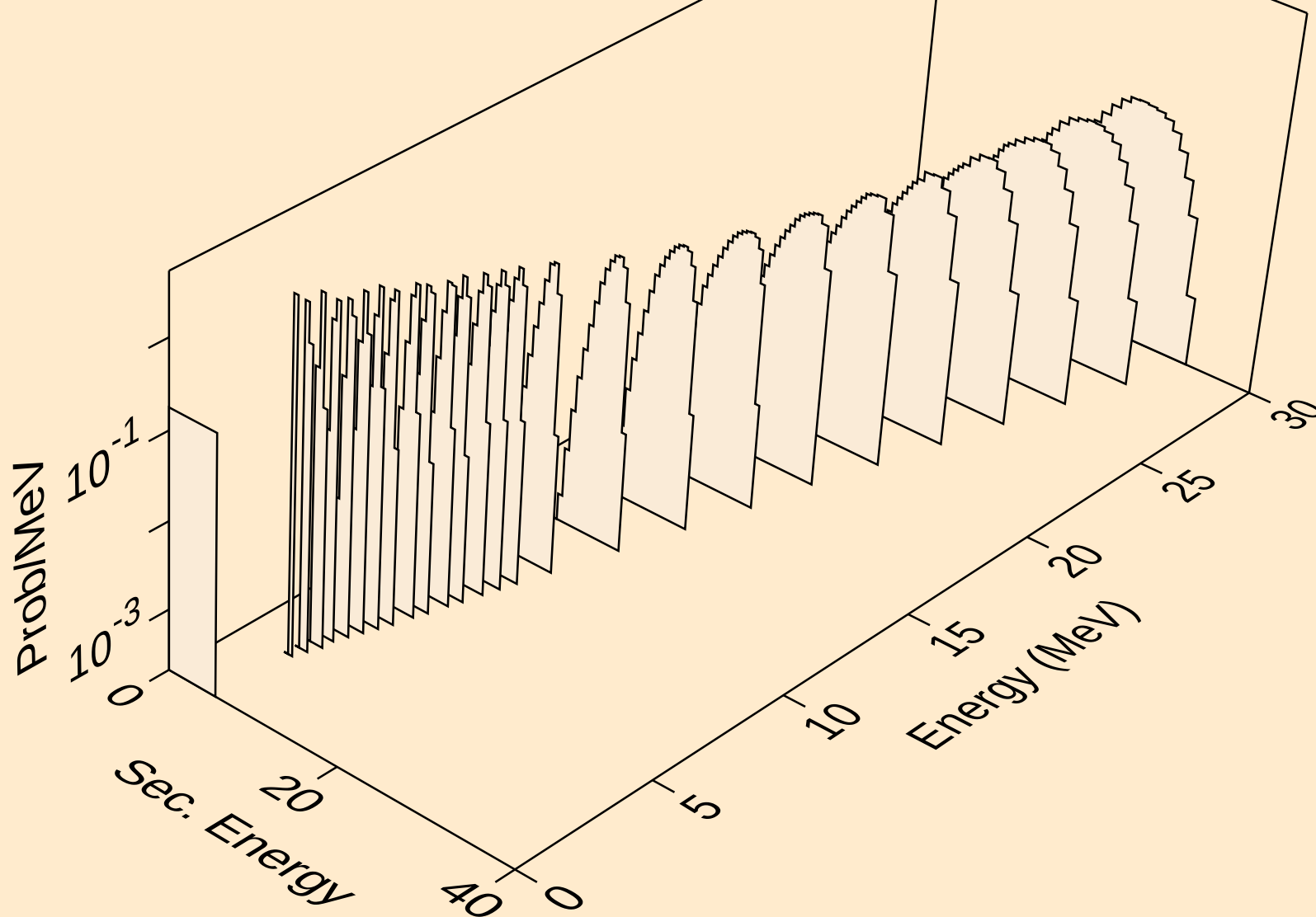
HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,he3)



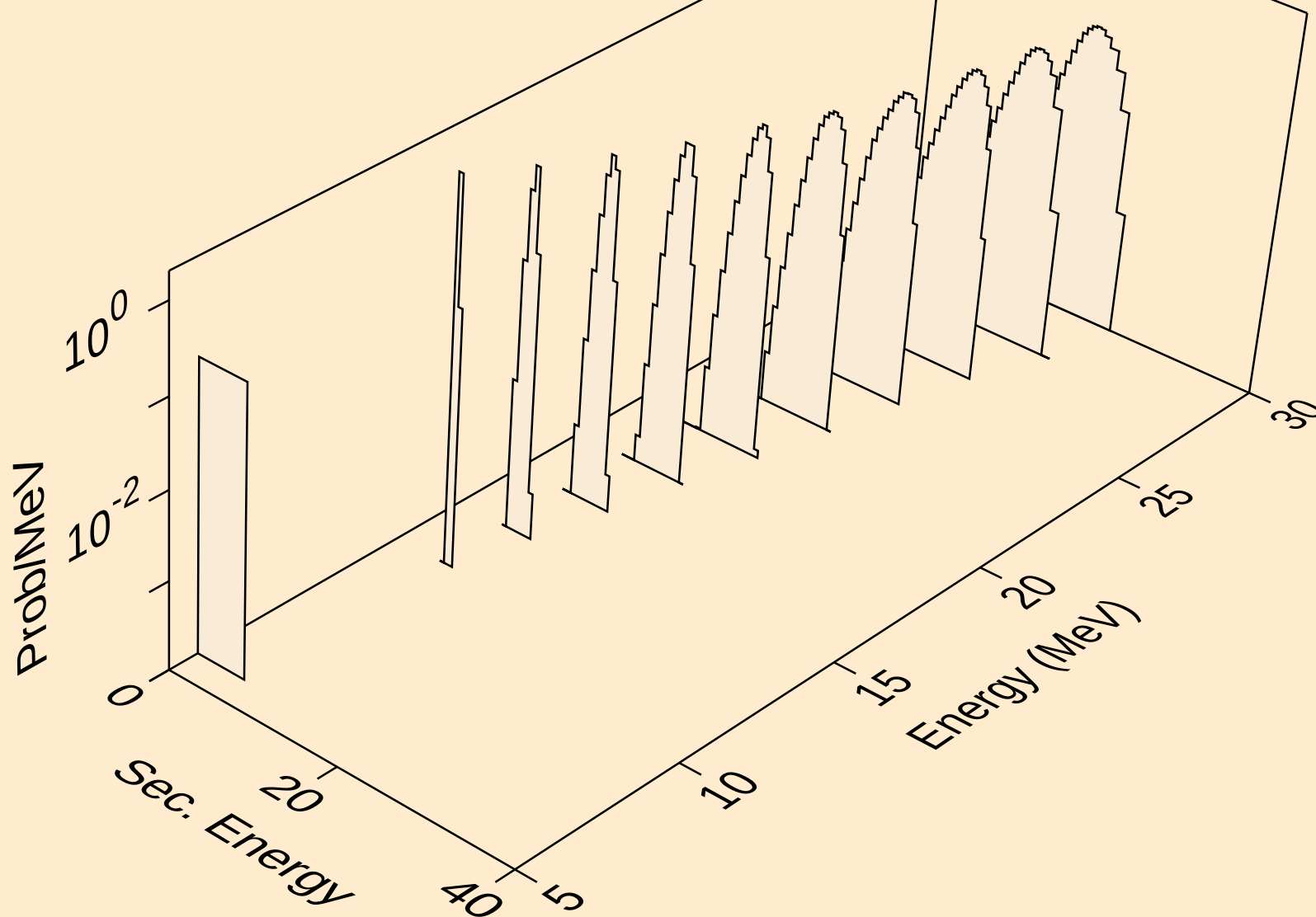
HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,x)



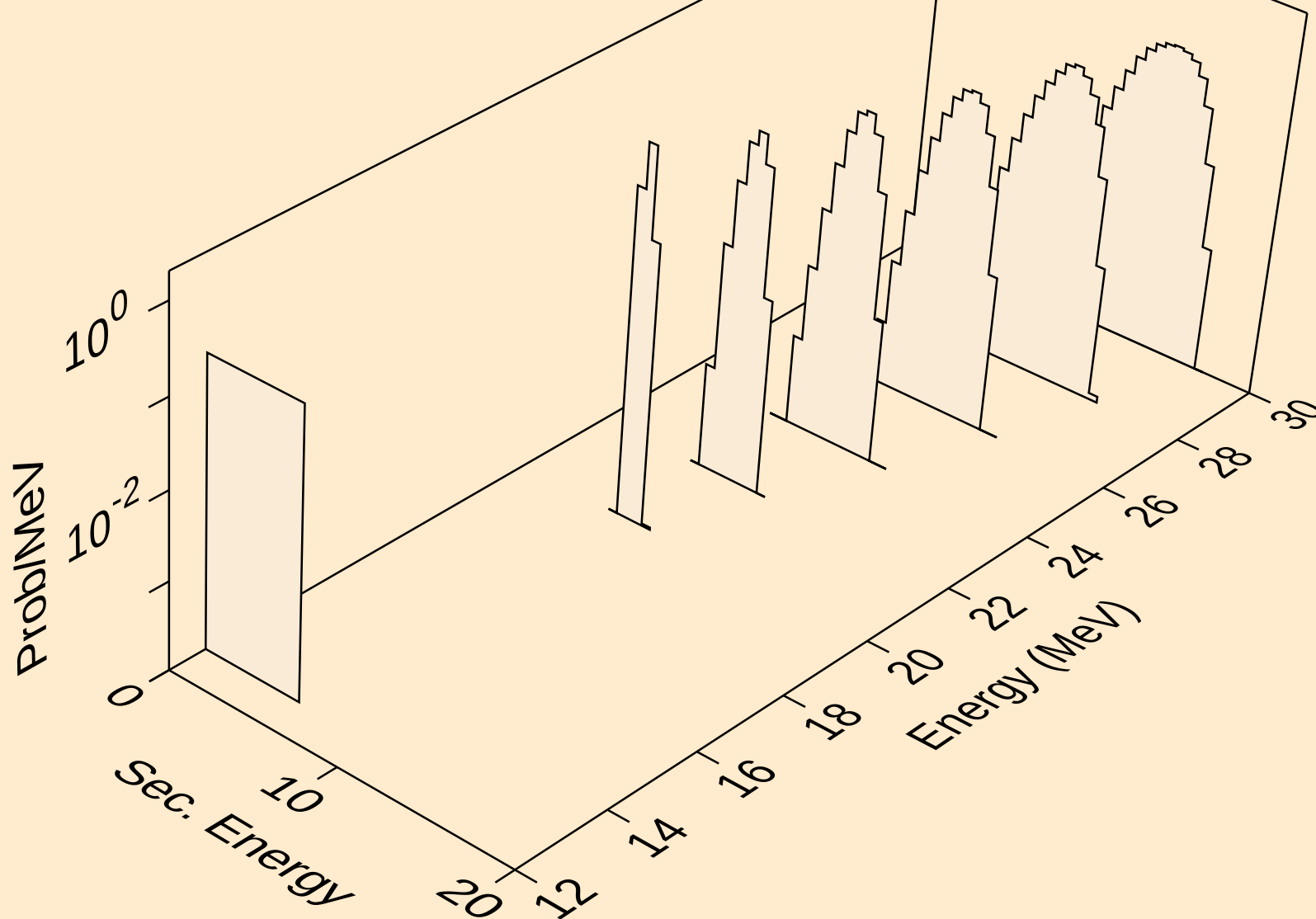
HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)a



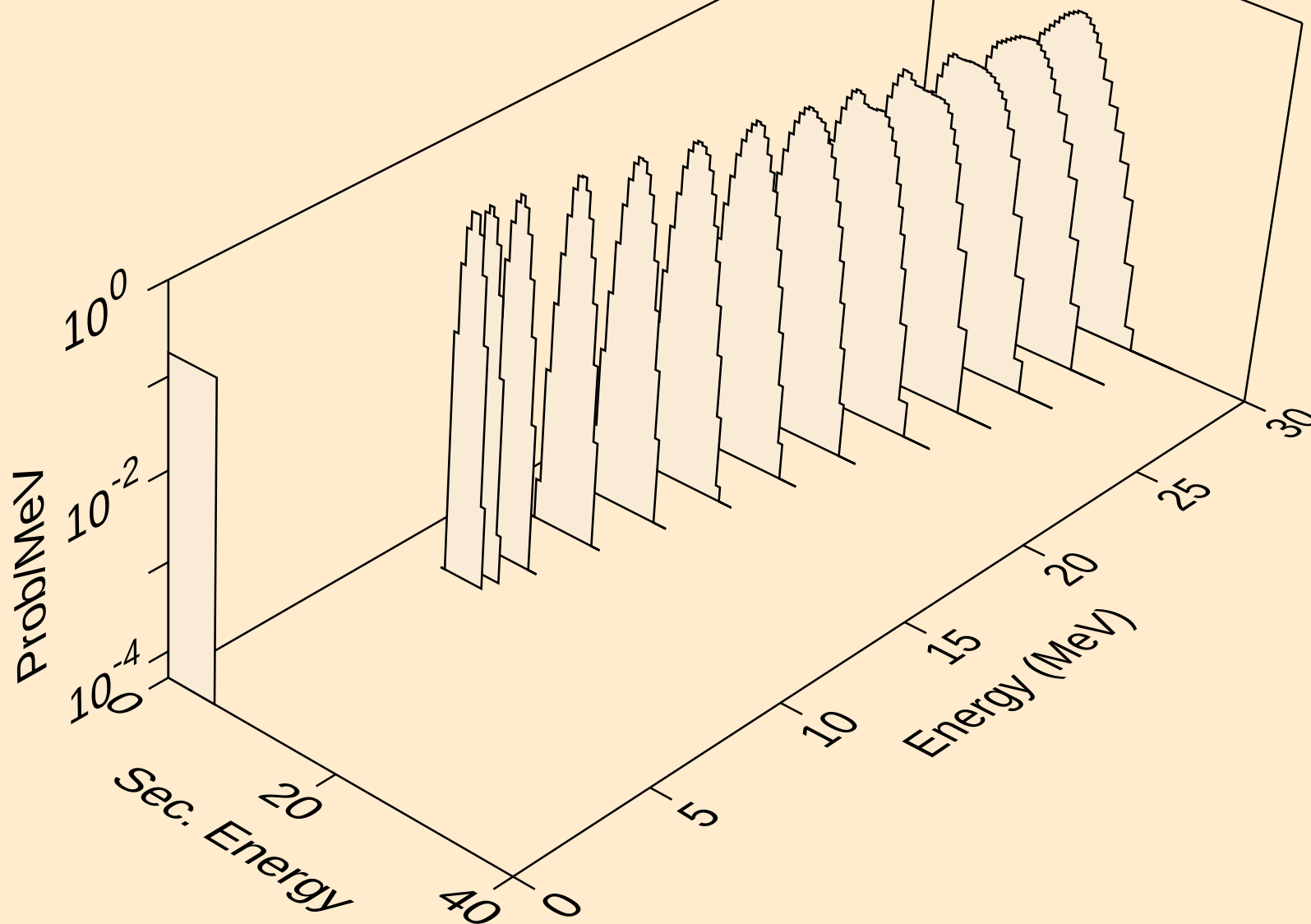
HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2n)a



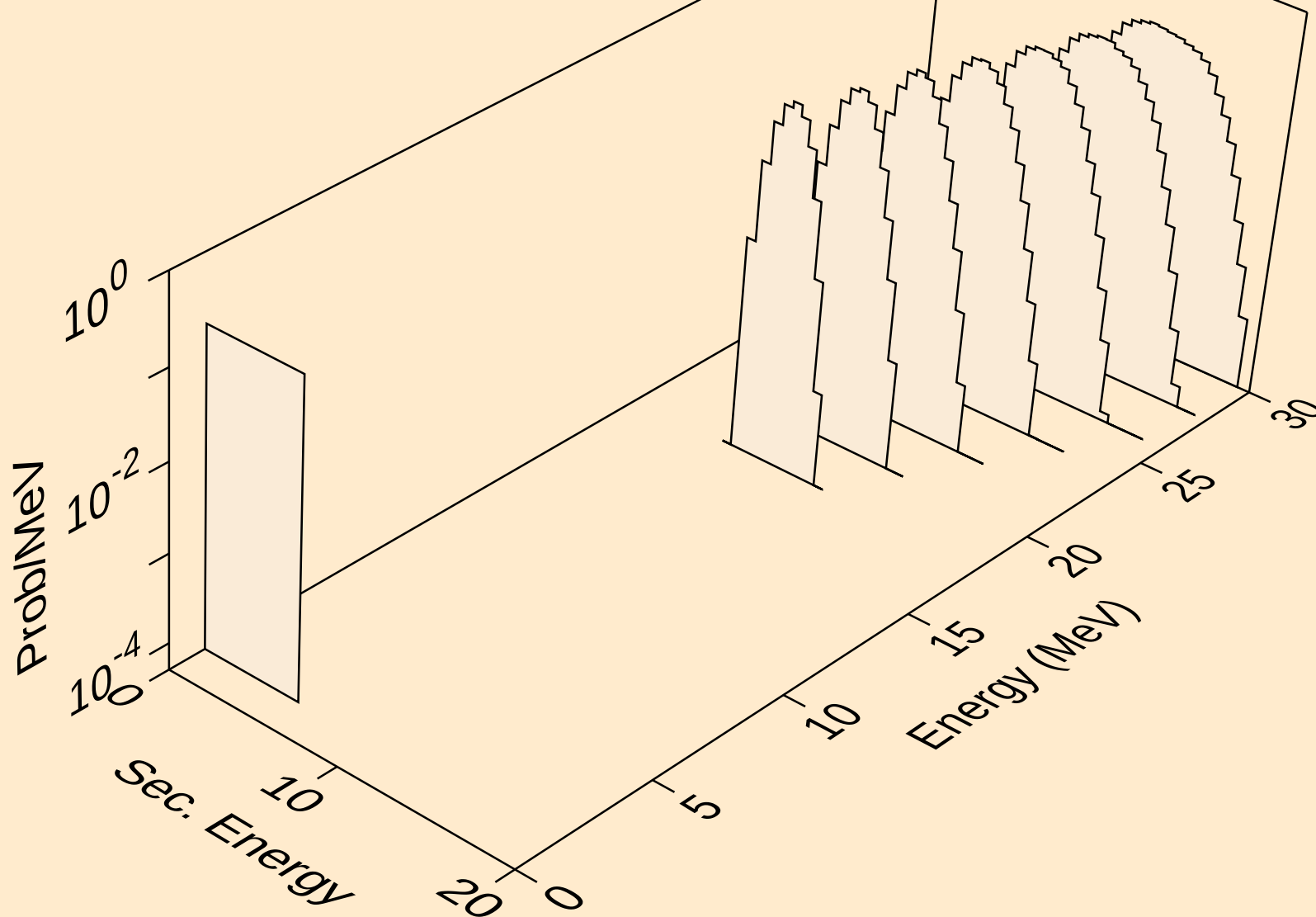
HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,3n)a



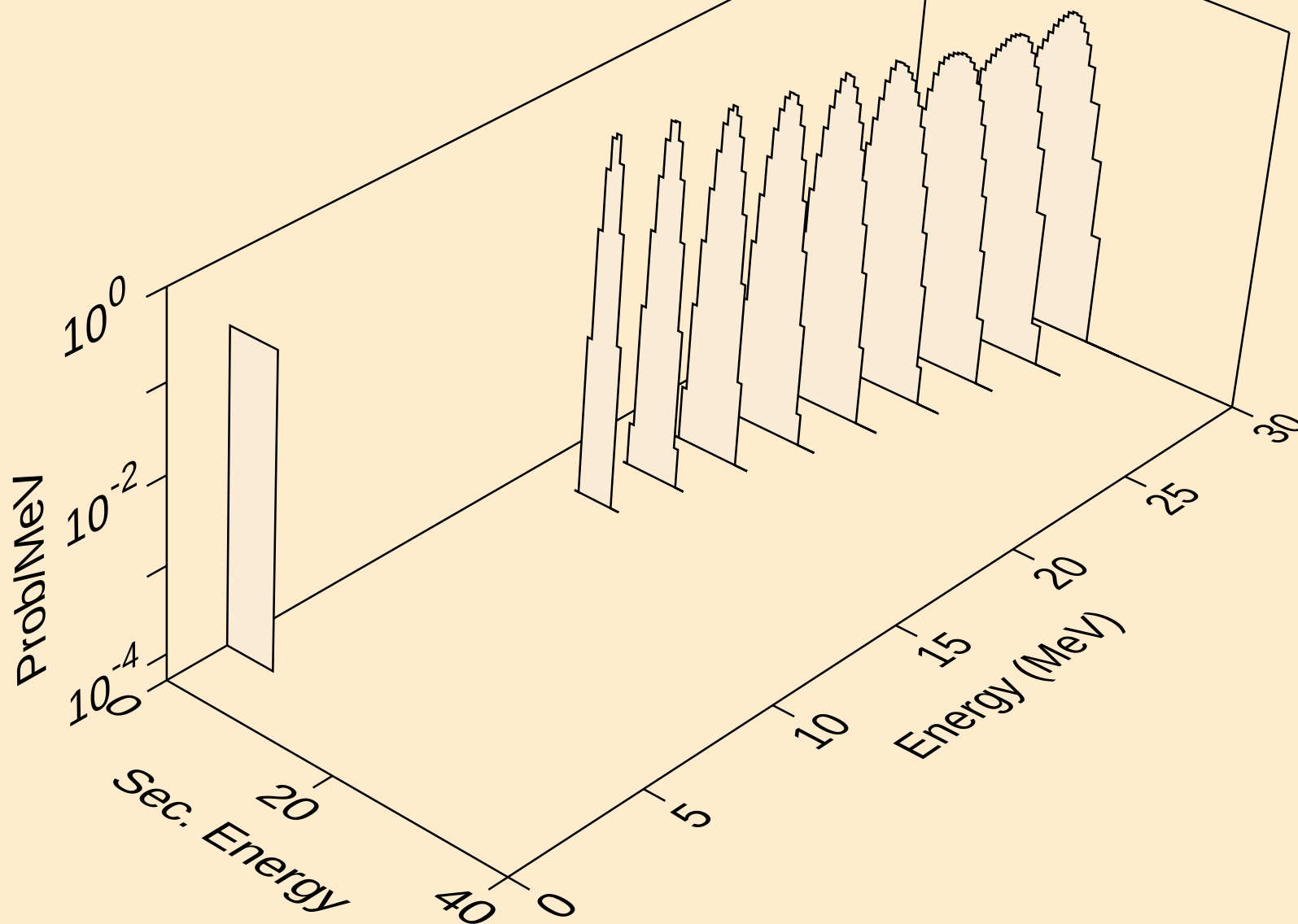
HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)2a



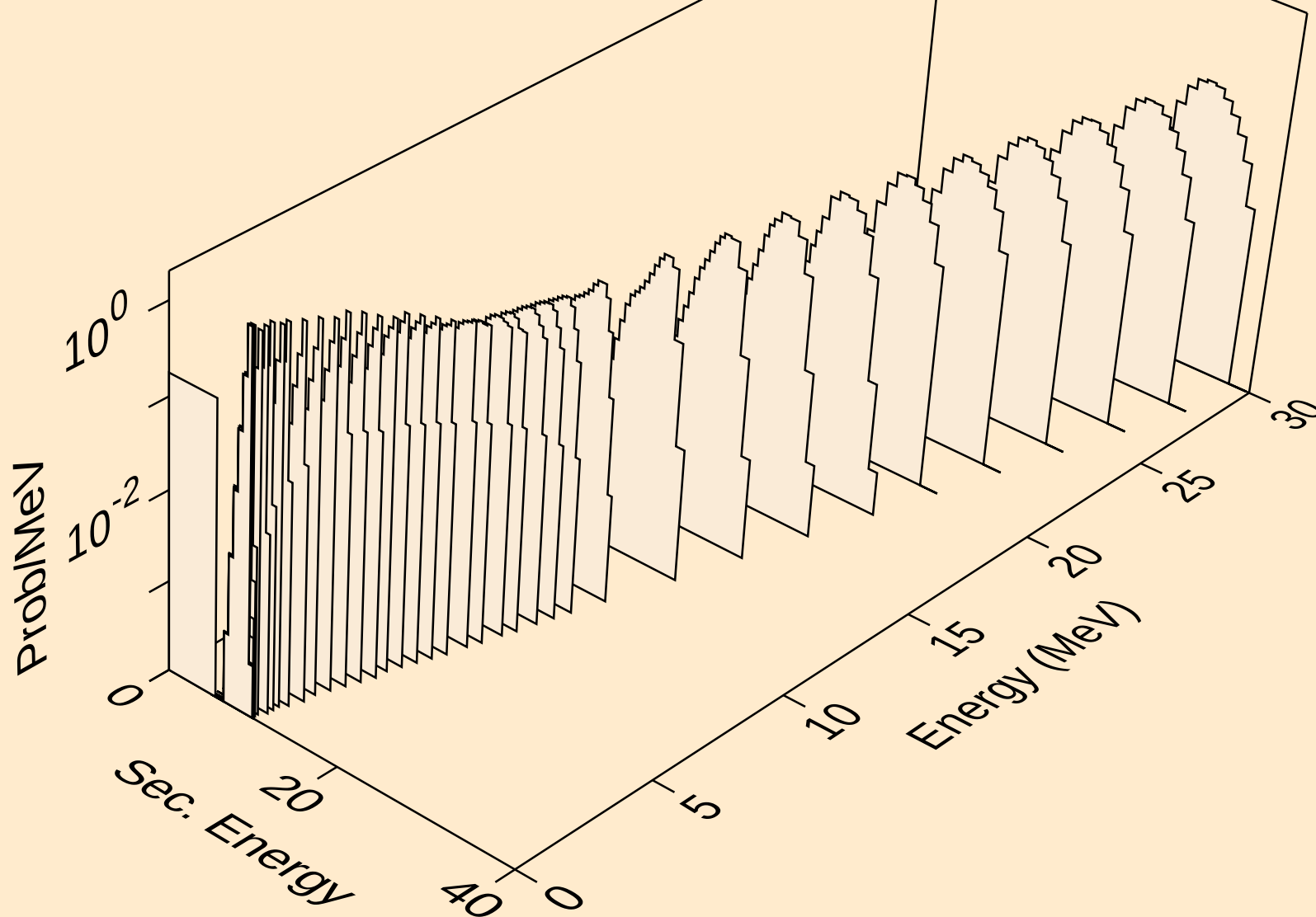
HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2n)2a



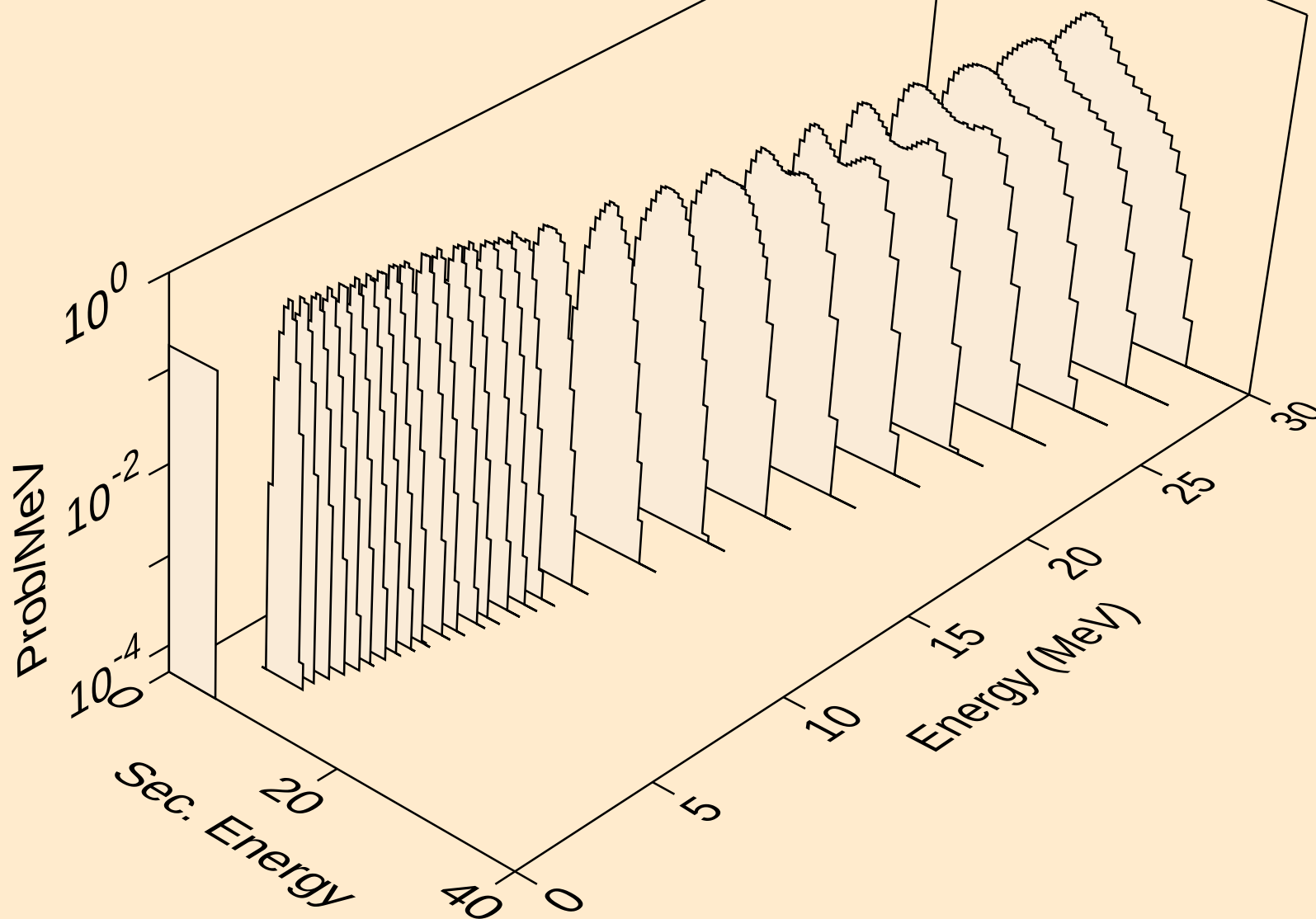
HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,npa)



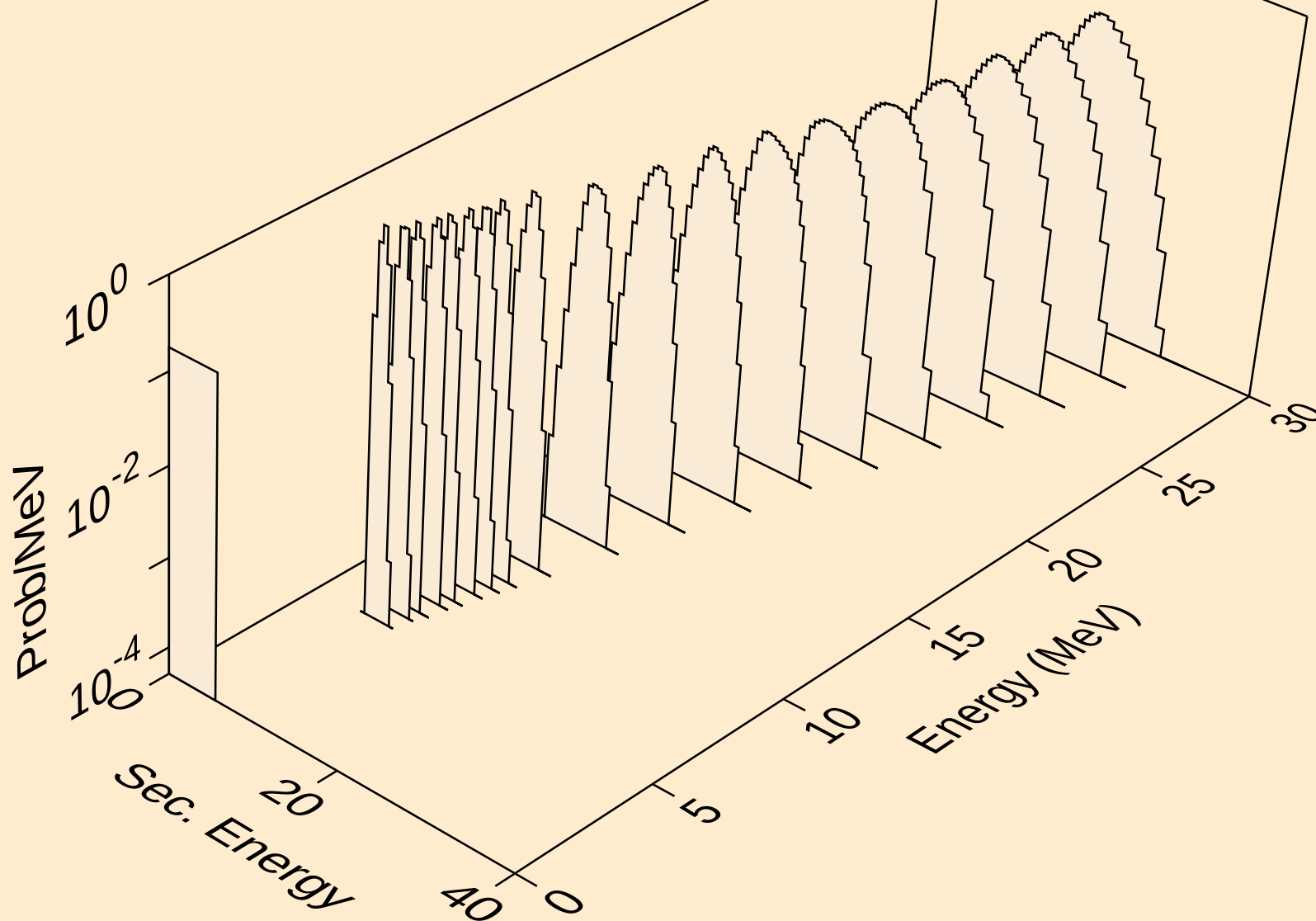
HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,a)



HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2a)



HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,pa)



HG192 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,da)

