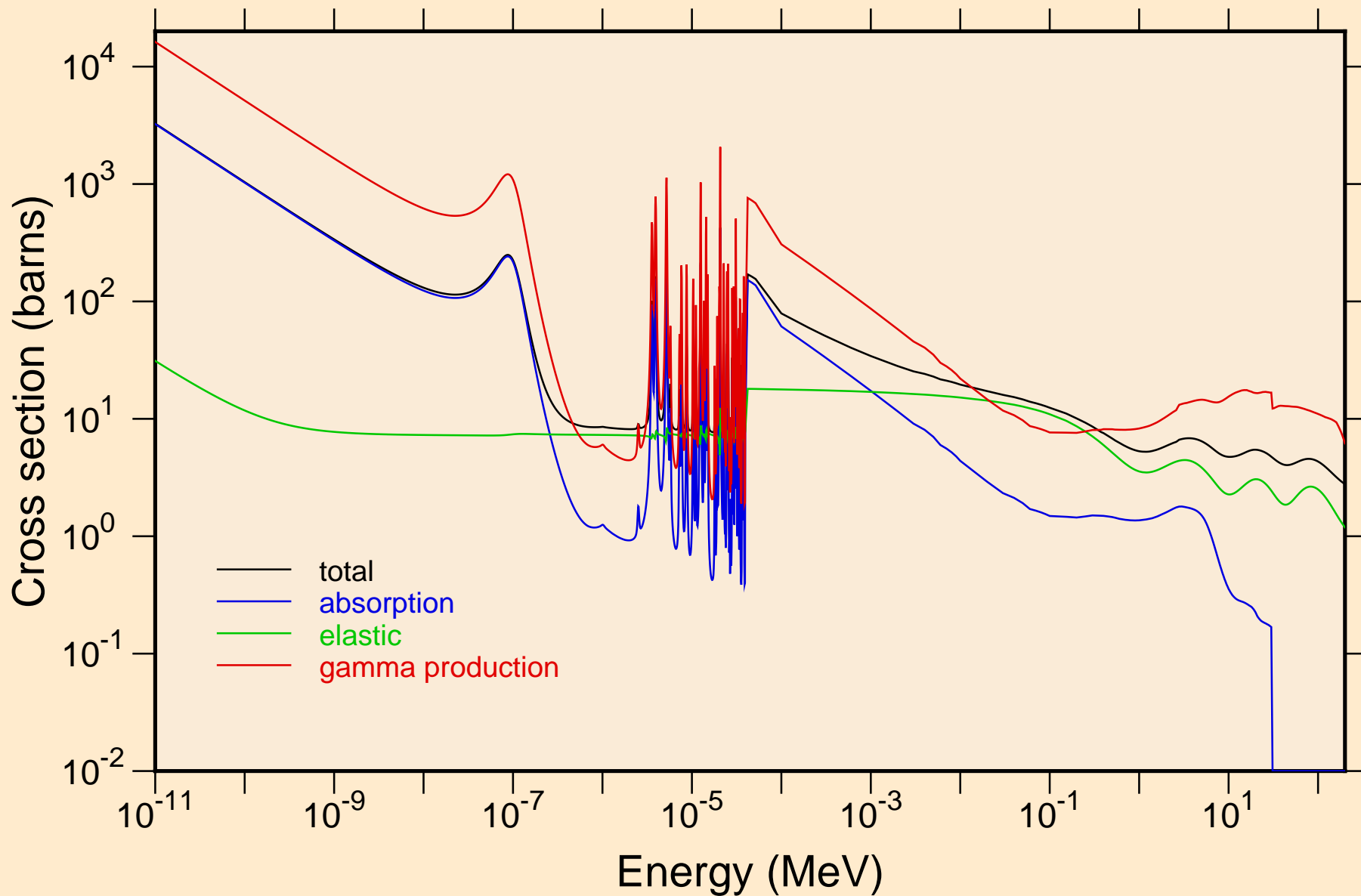
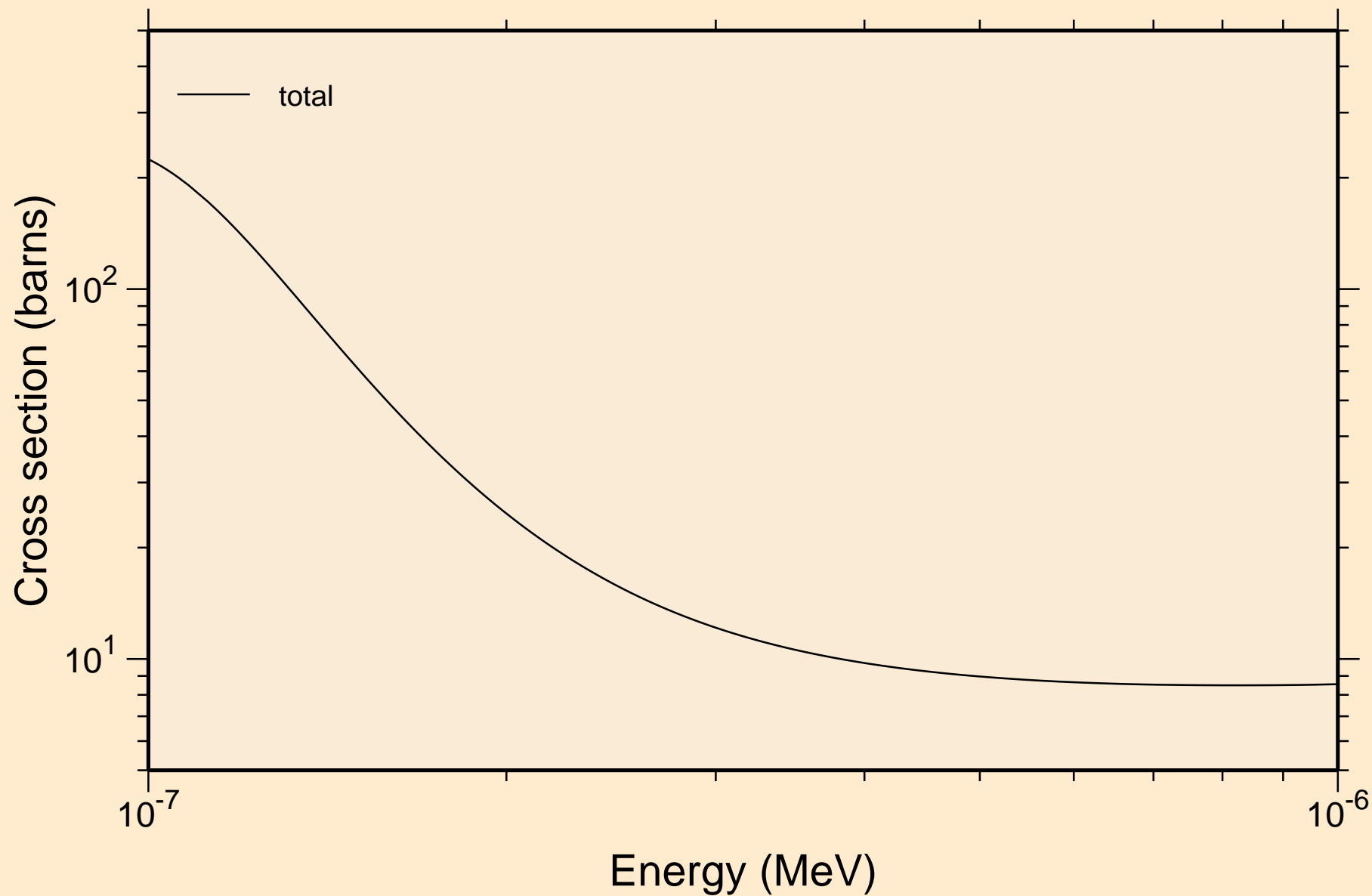


# HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

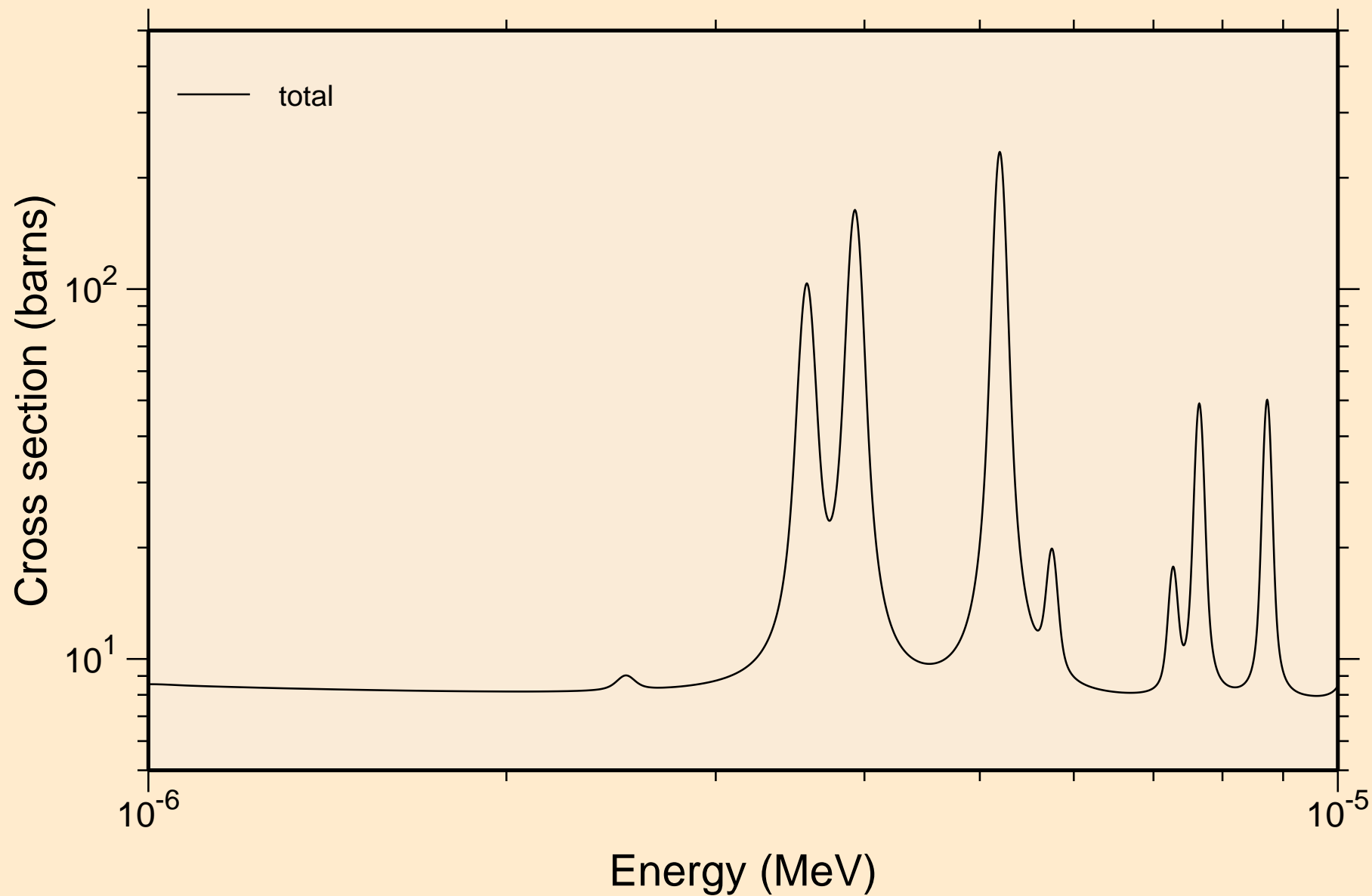
## Principal cross sections



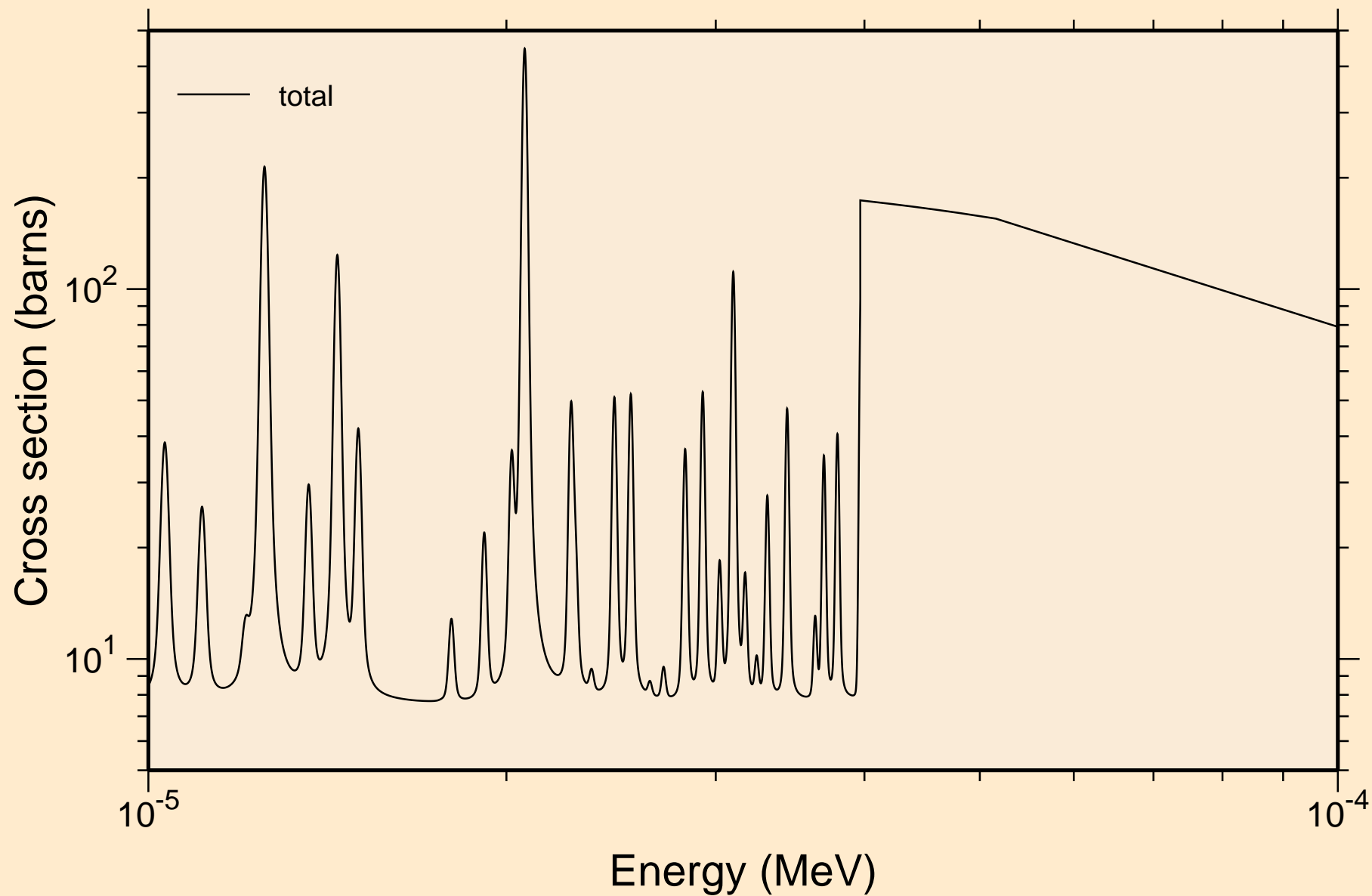
HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



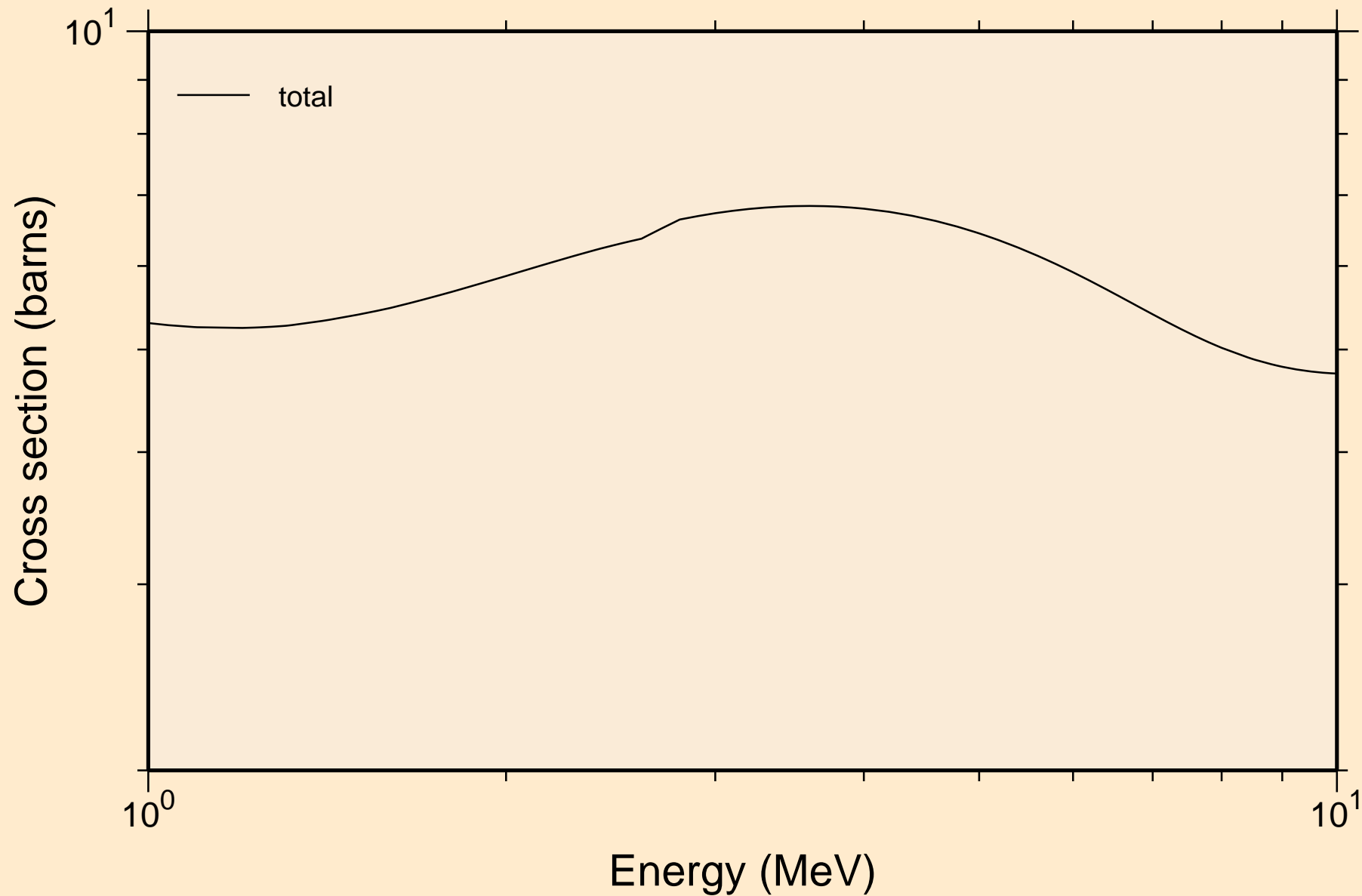
HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



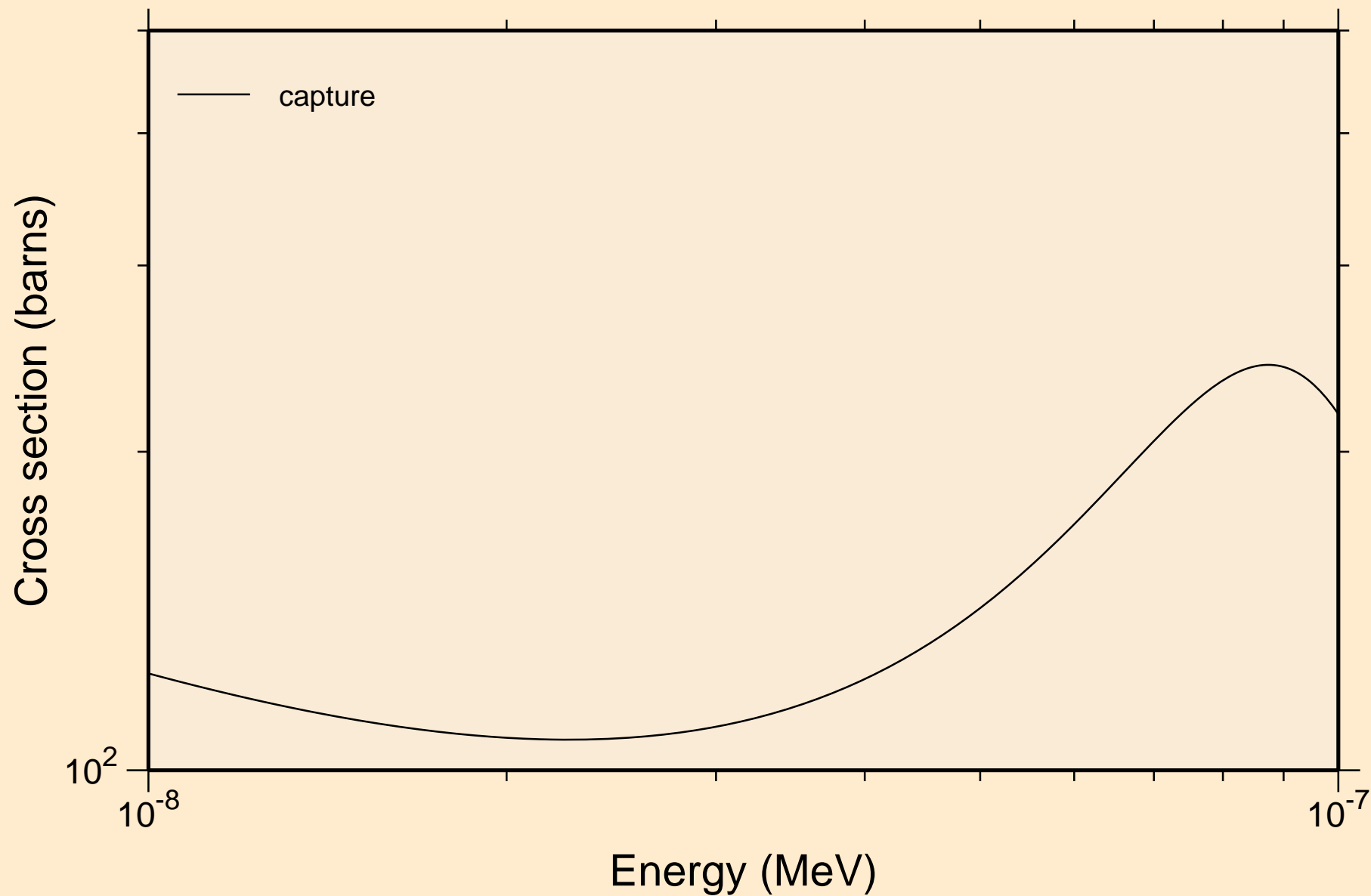
HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



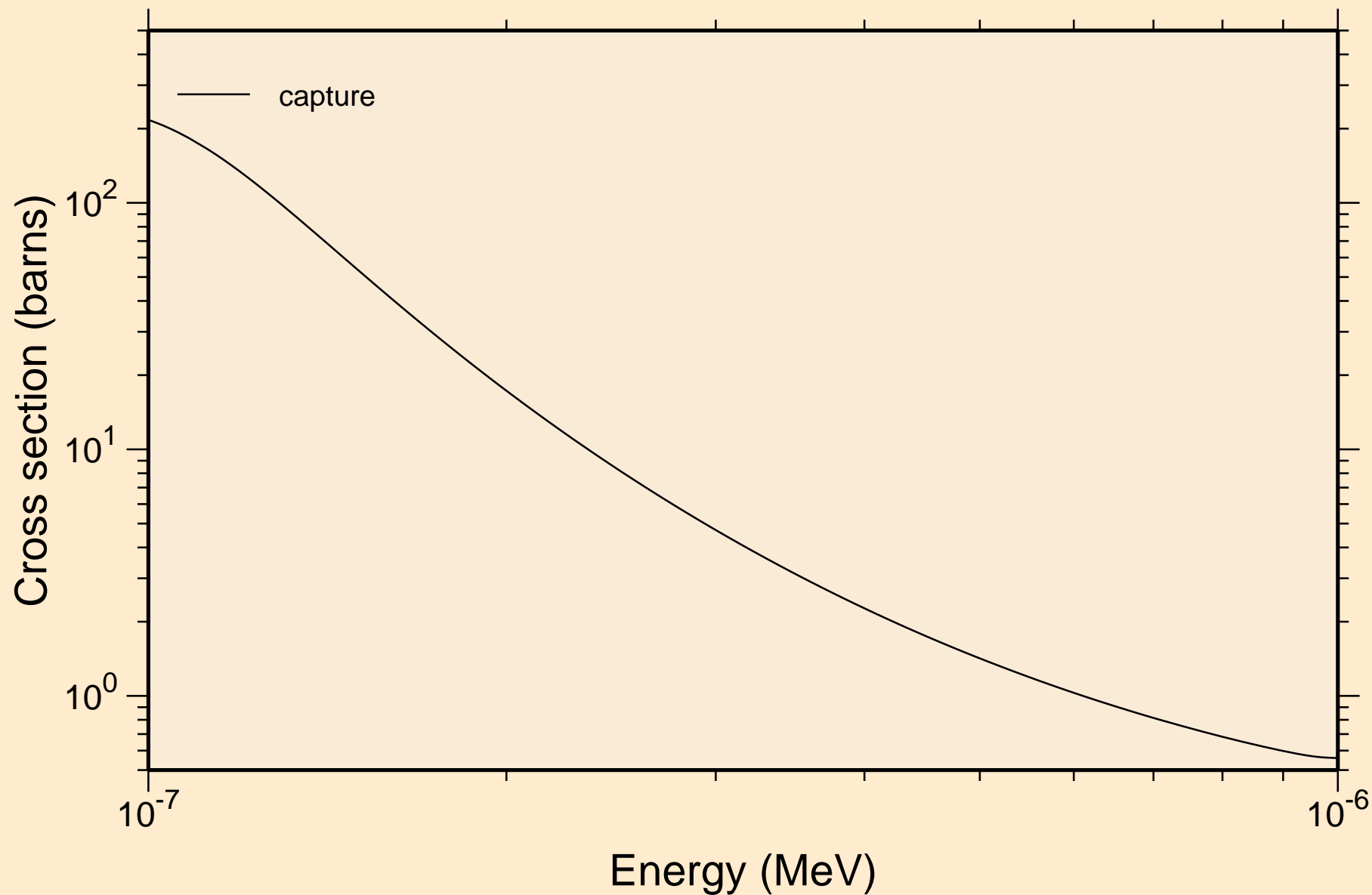
HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



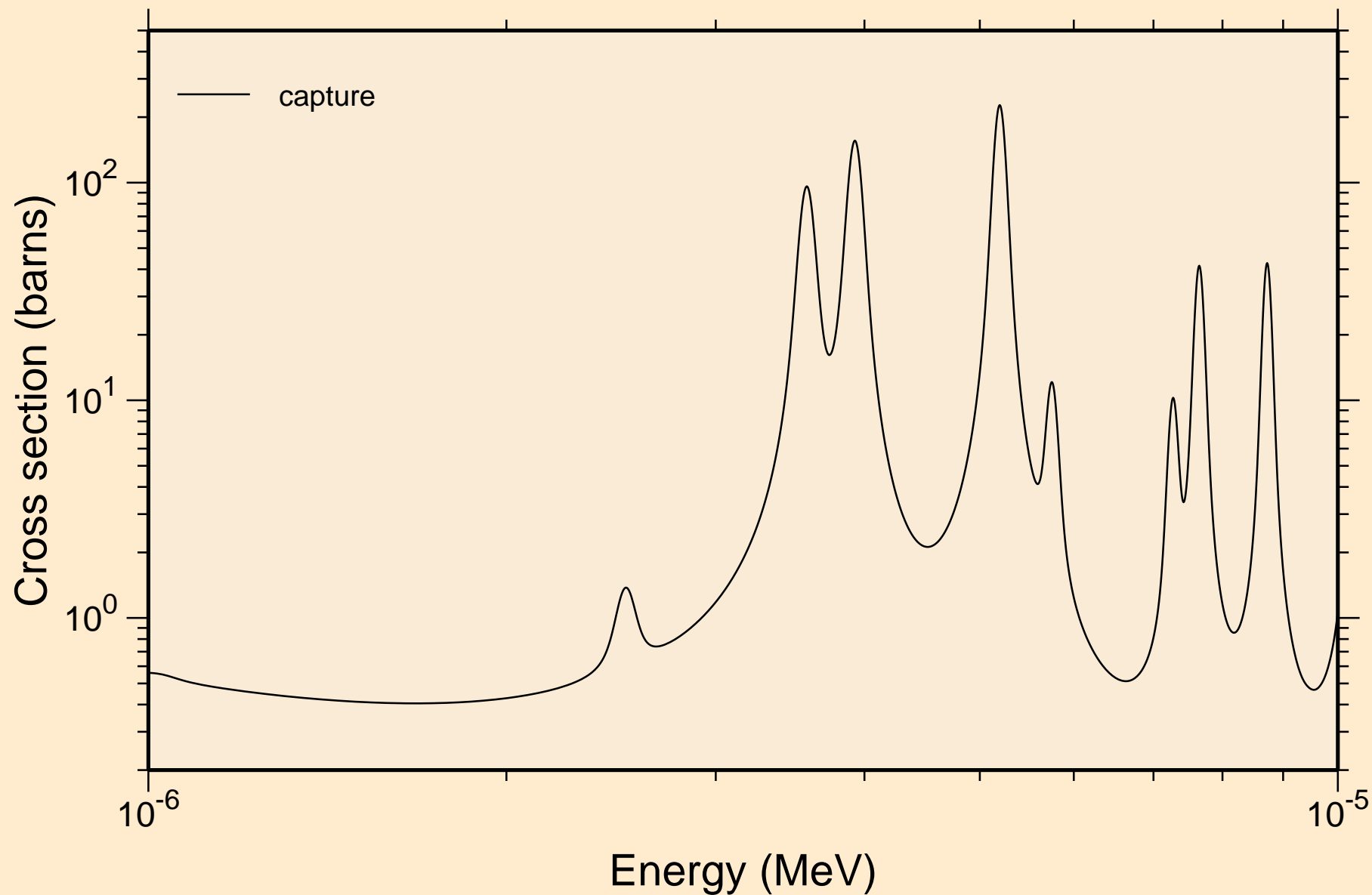
HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections

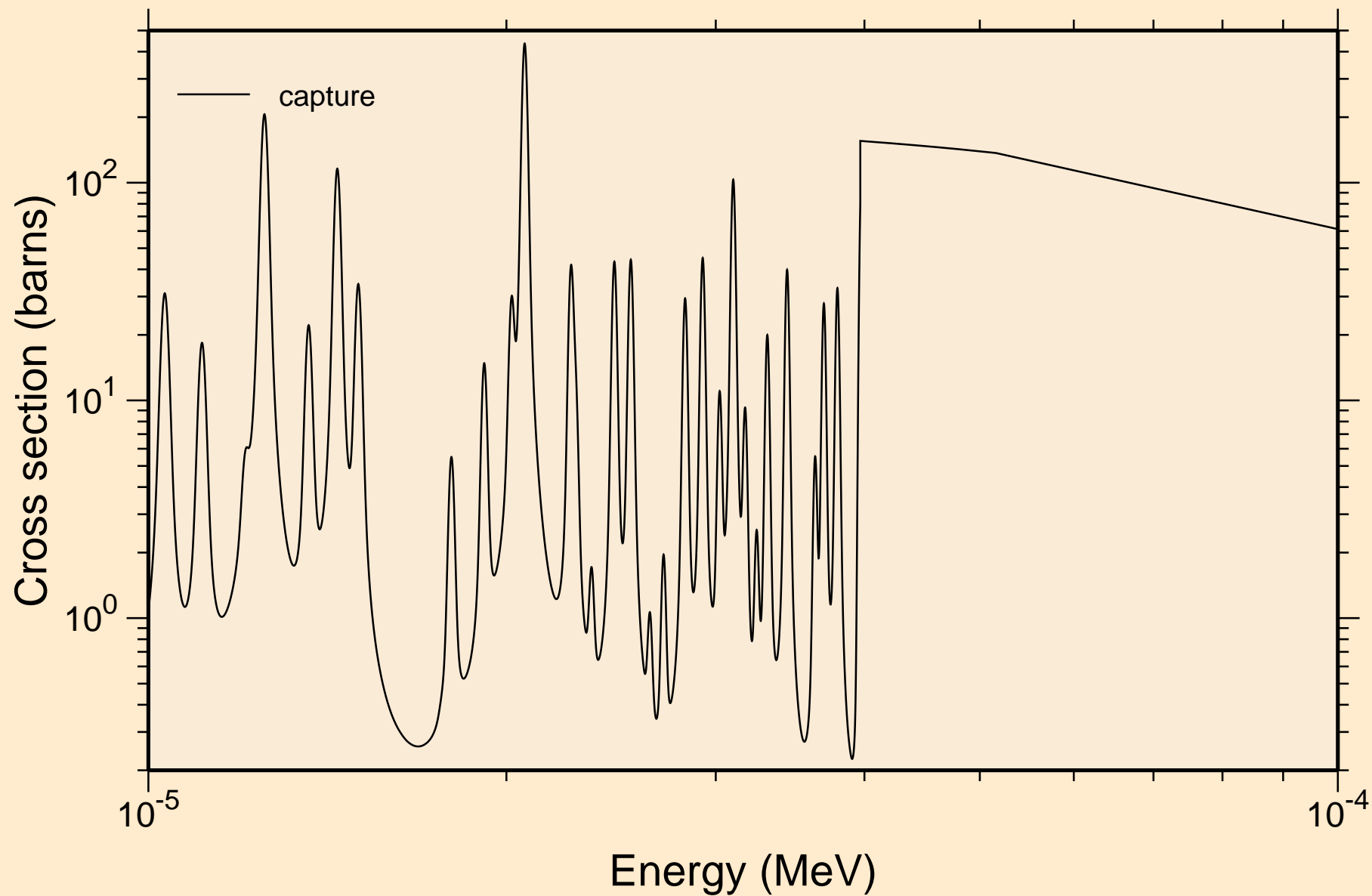


HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections

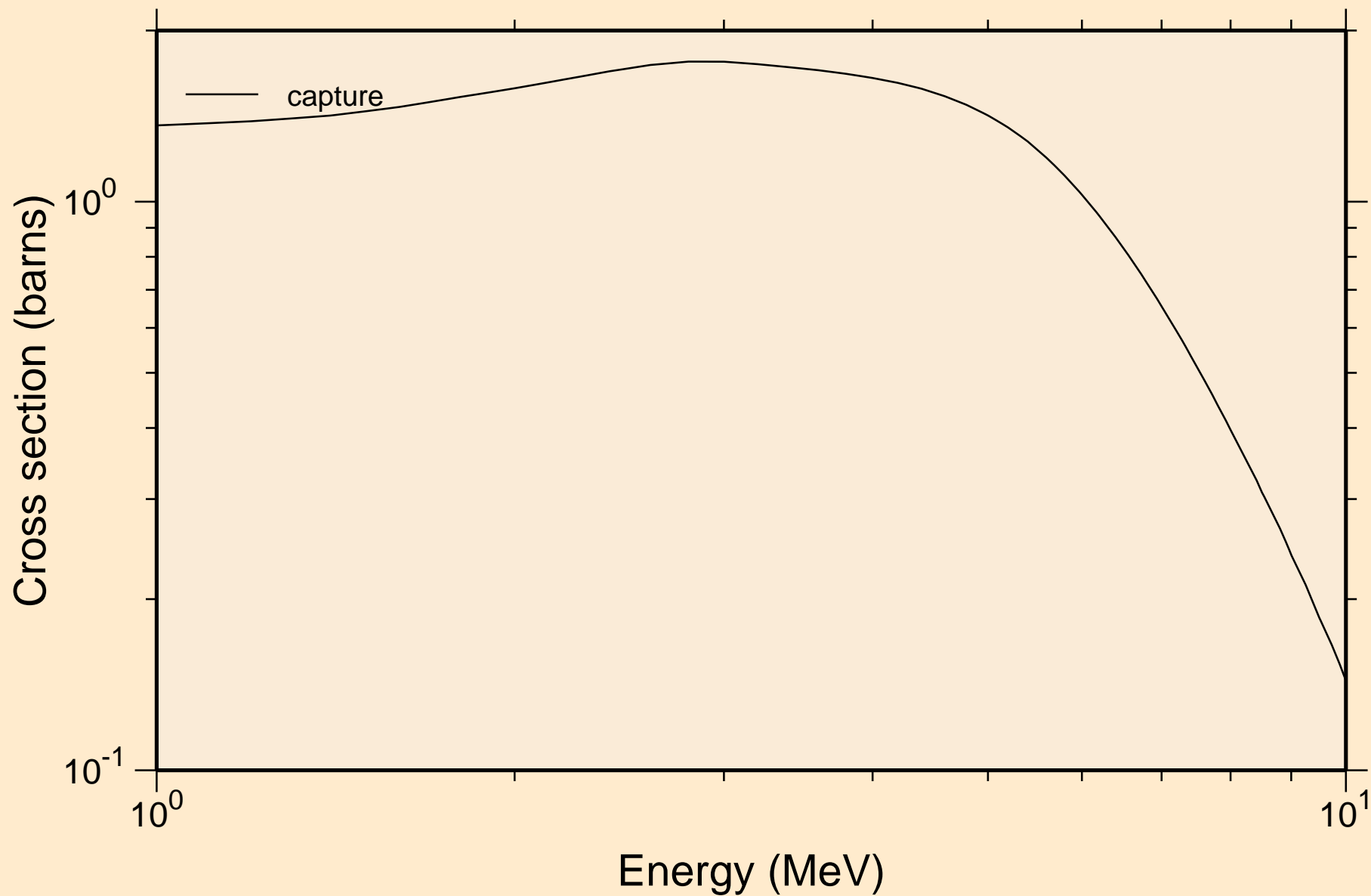




HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections

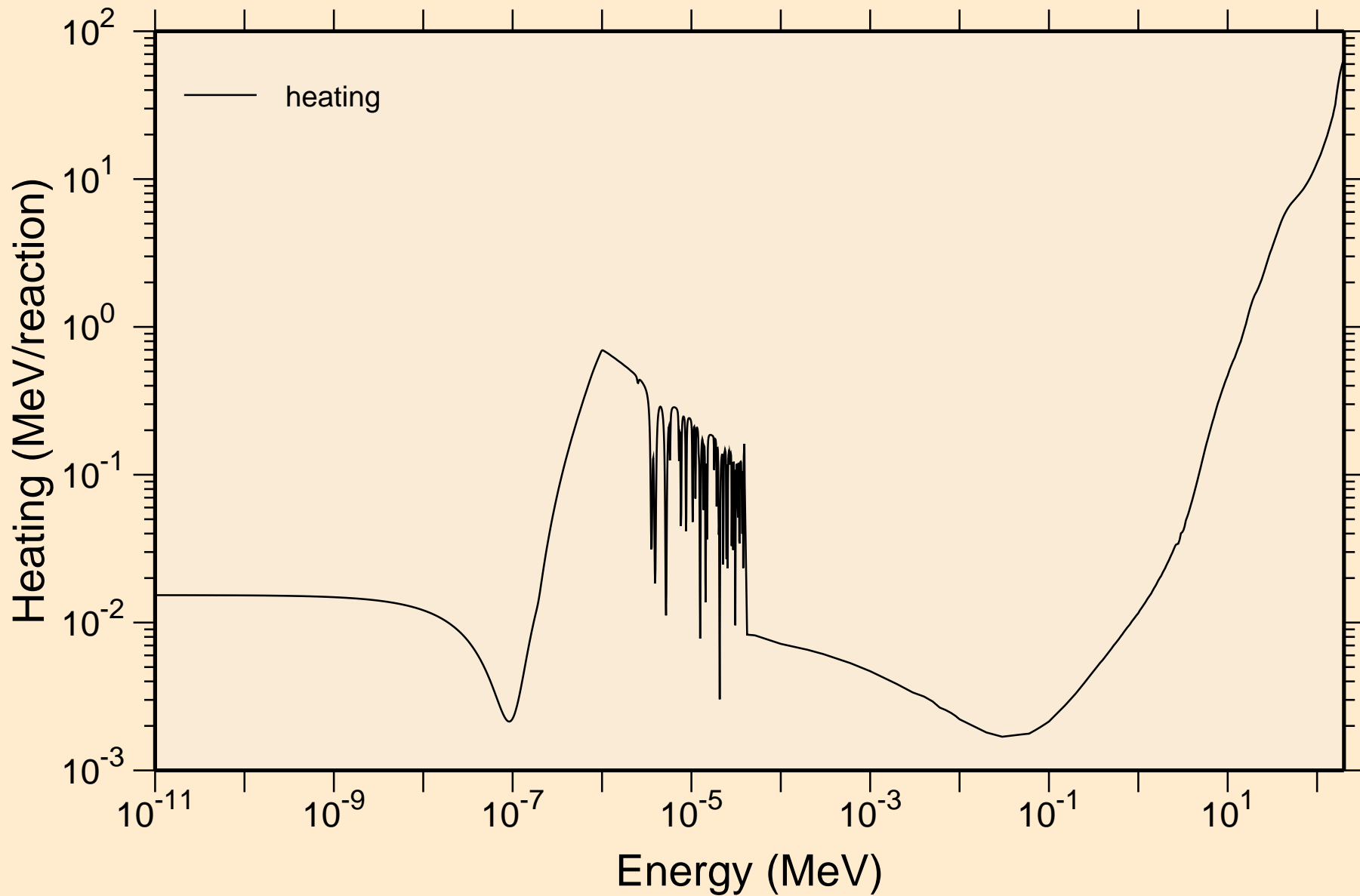


HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



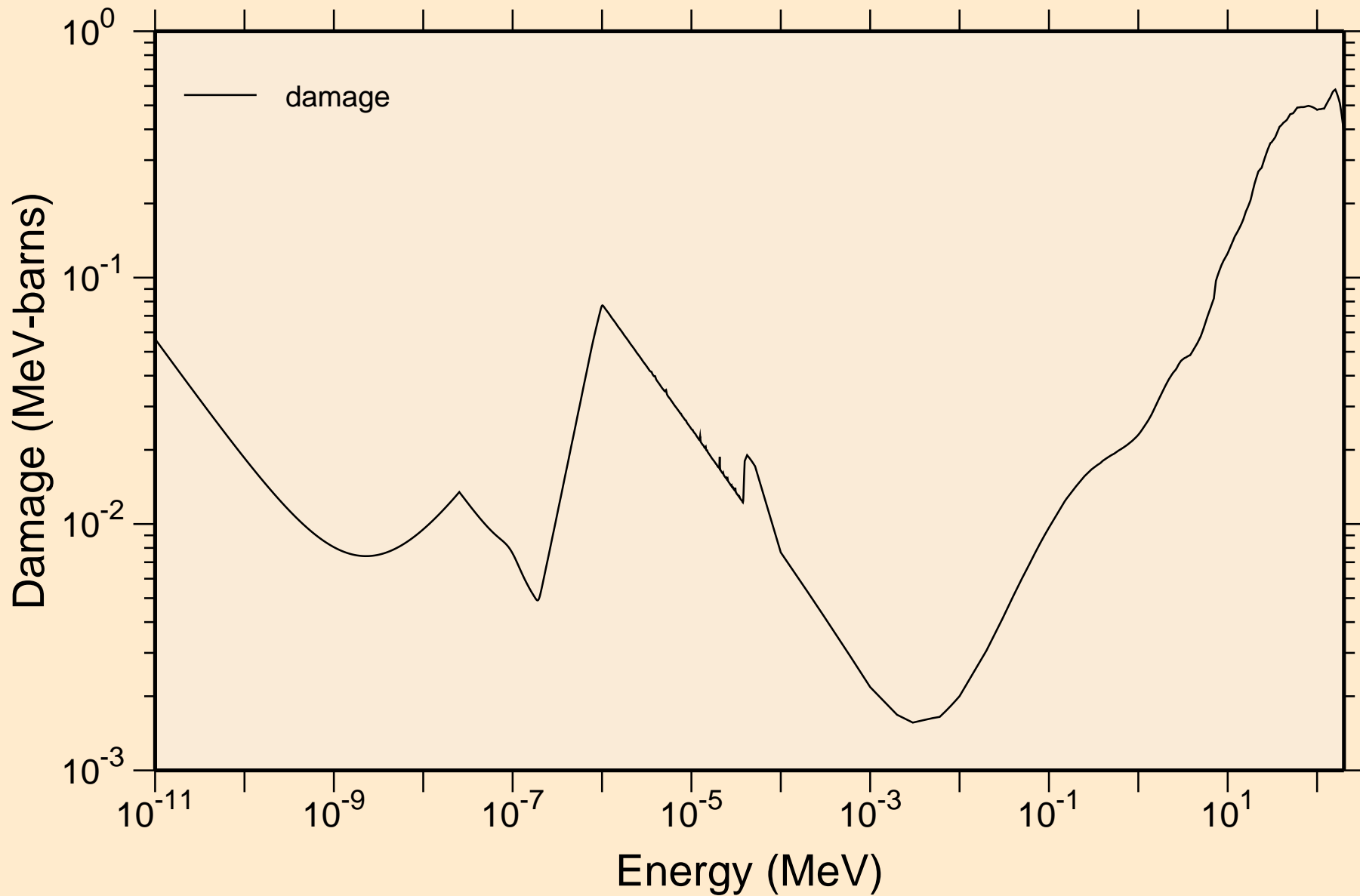
# HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Heating



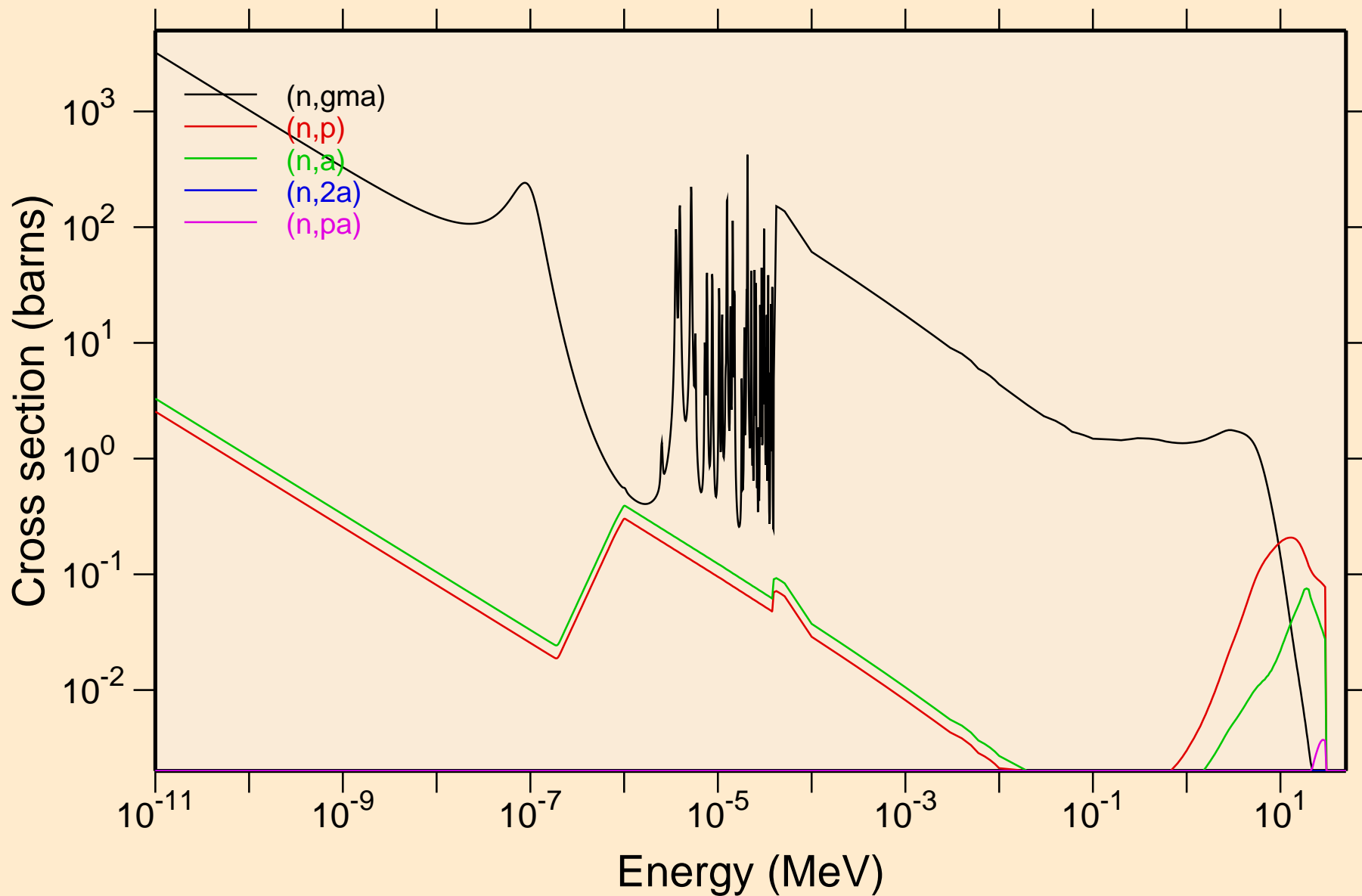
# HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Damage

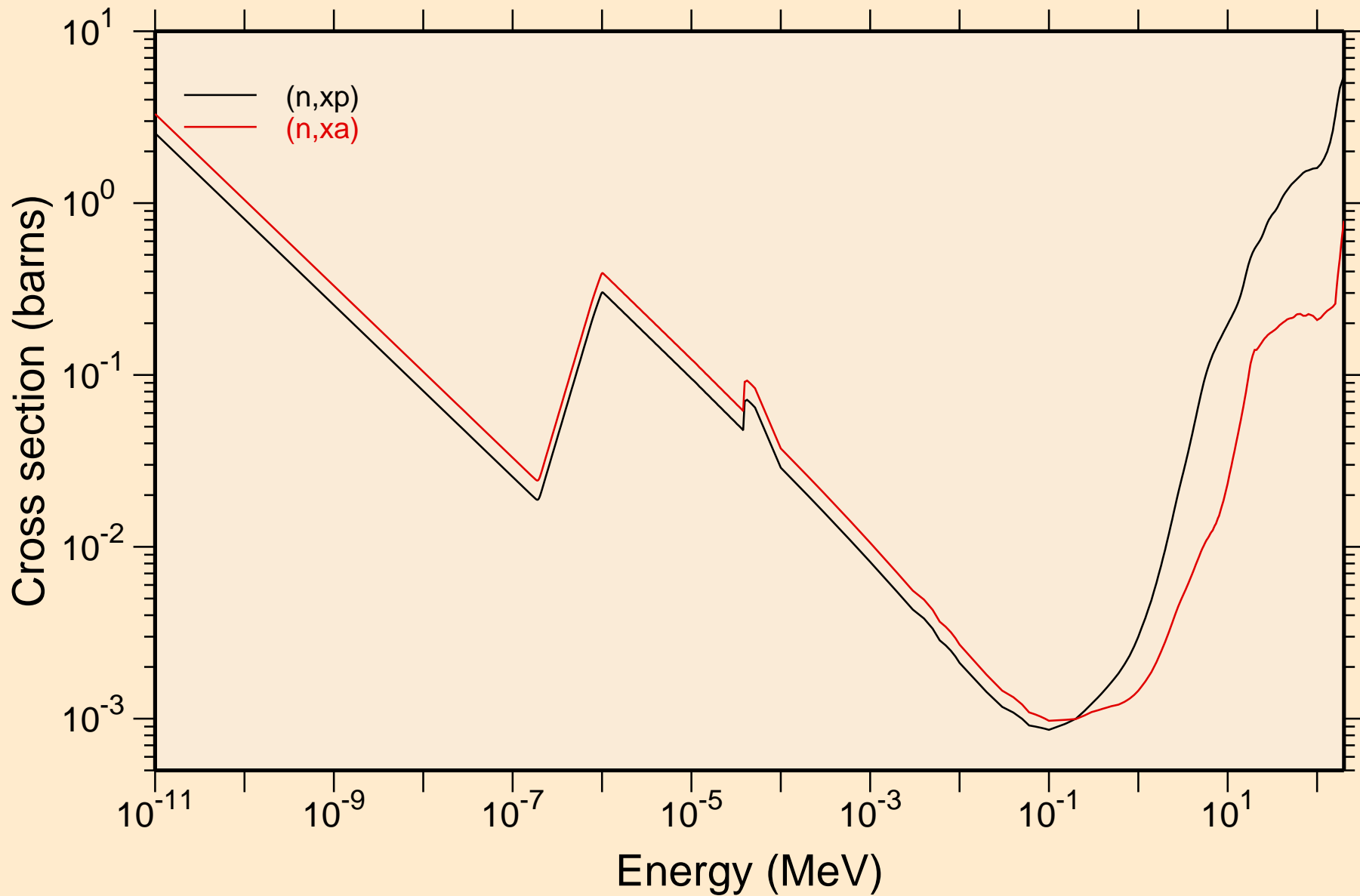


# HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Non-threshold reactions

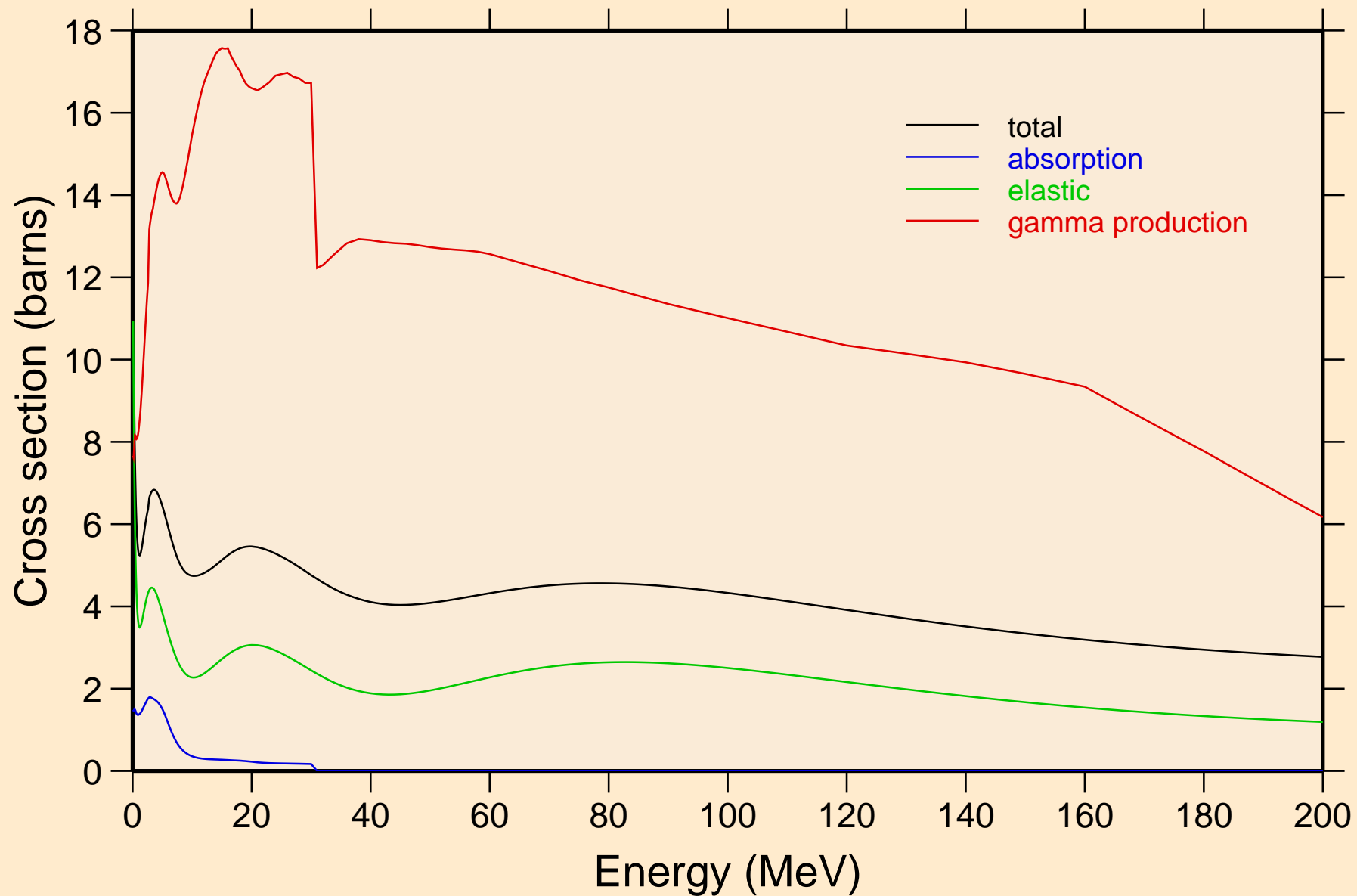


HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions

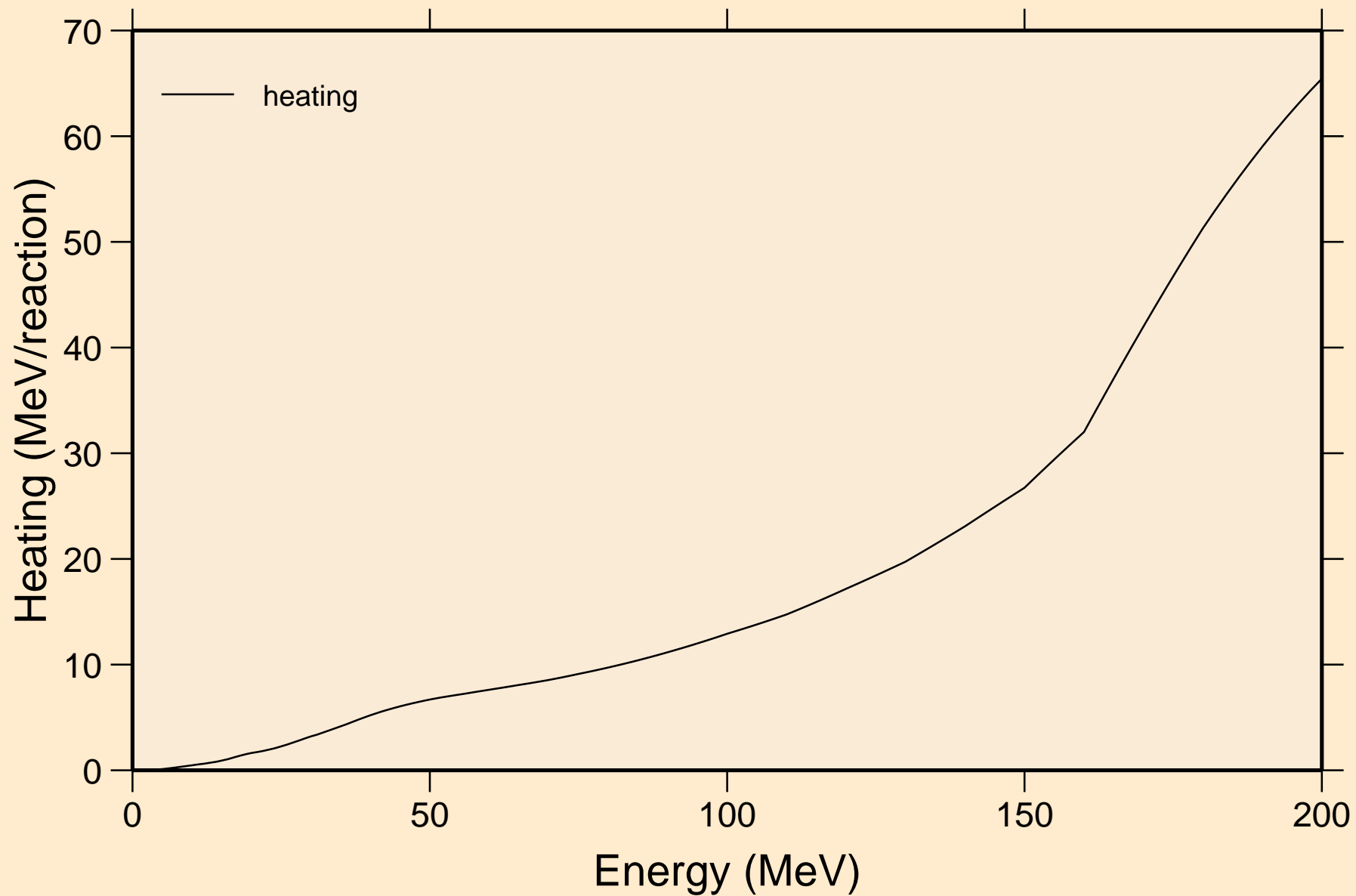


# HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Principal cross sections

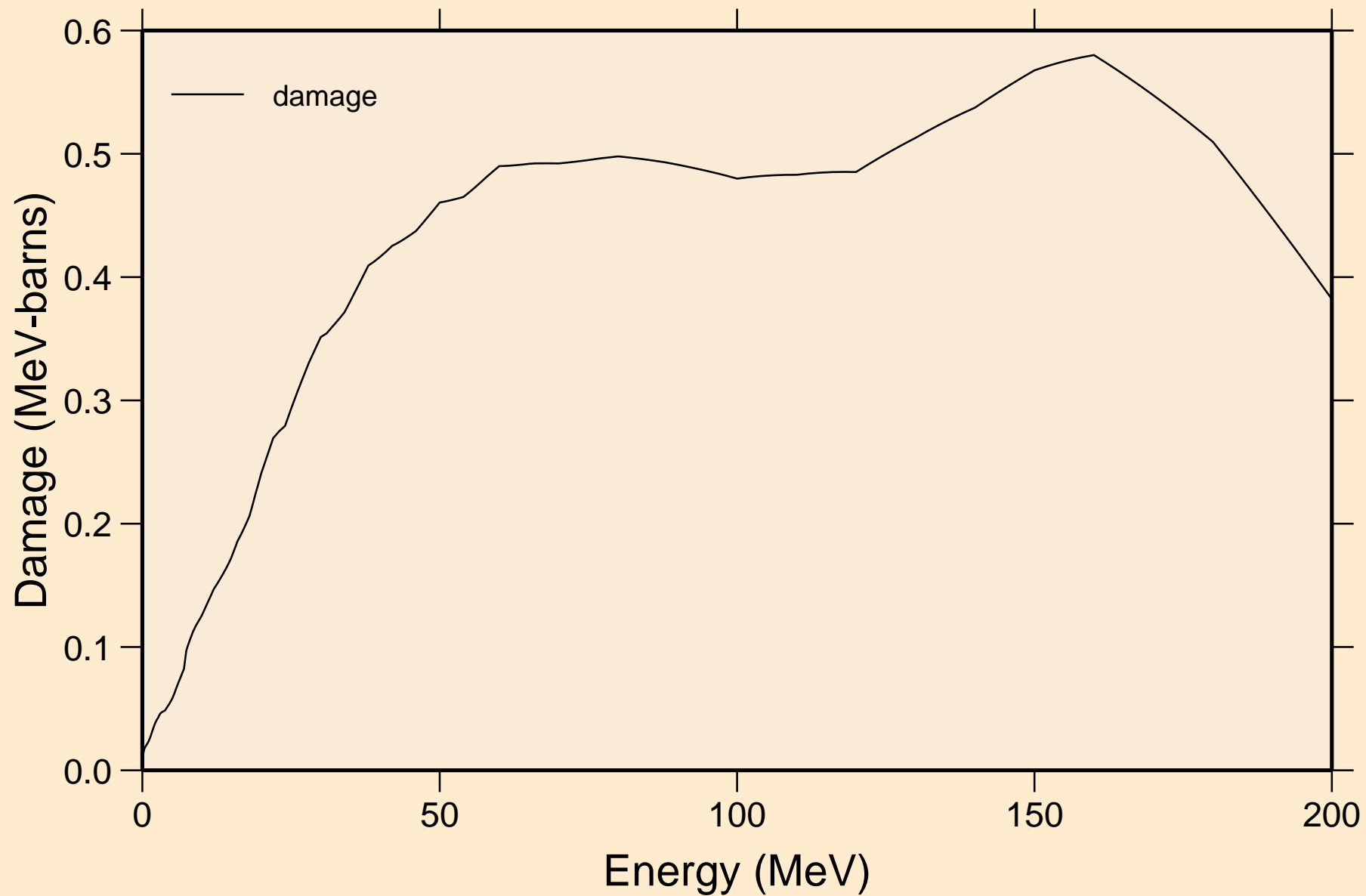


HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating



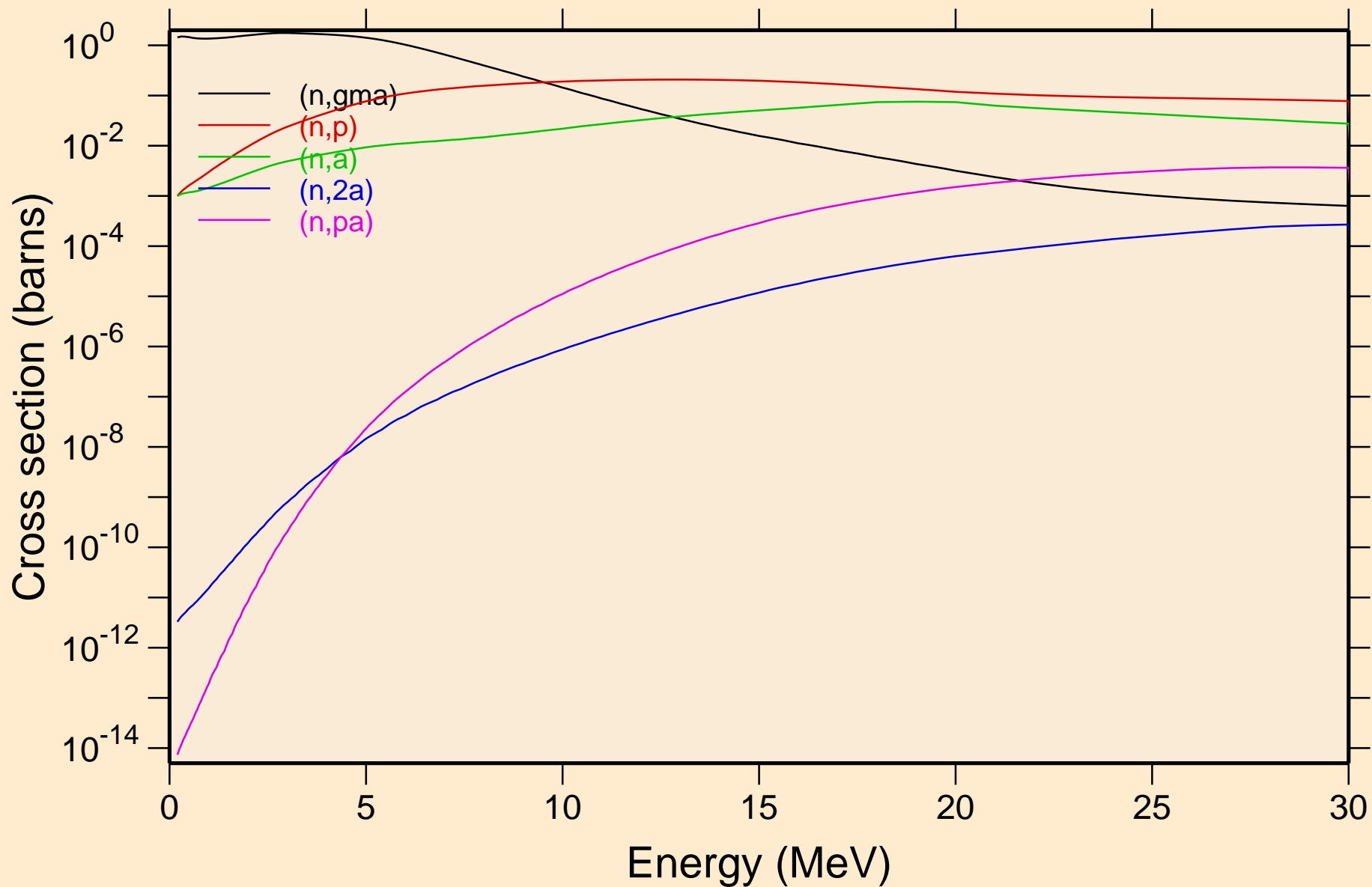


# HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K Damage

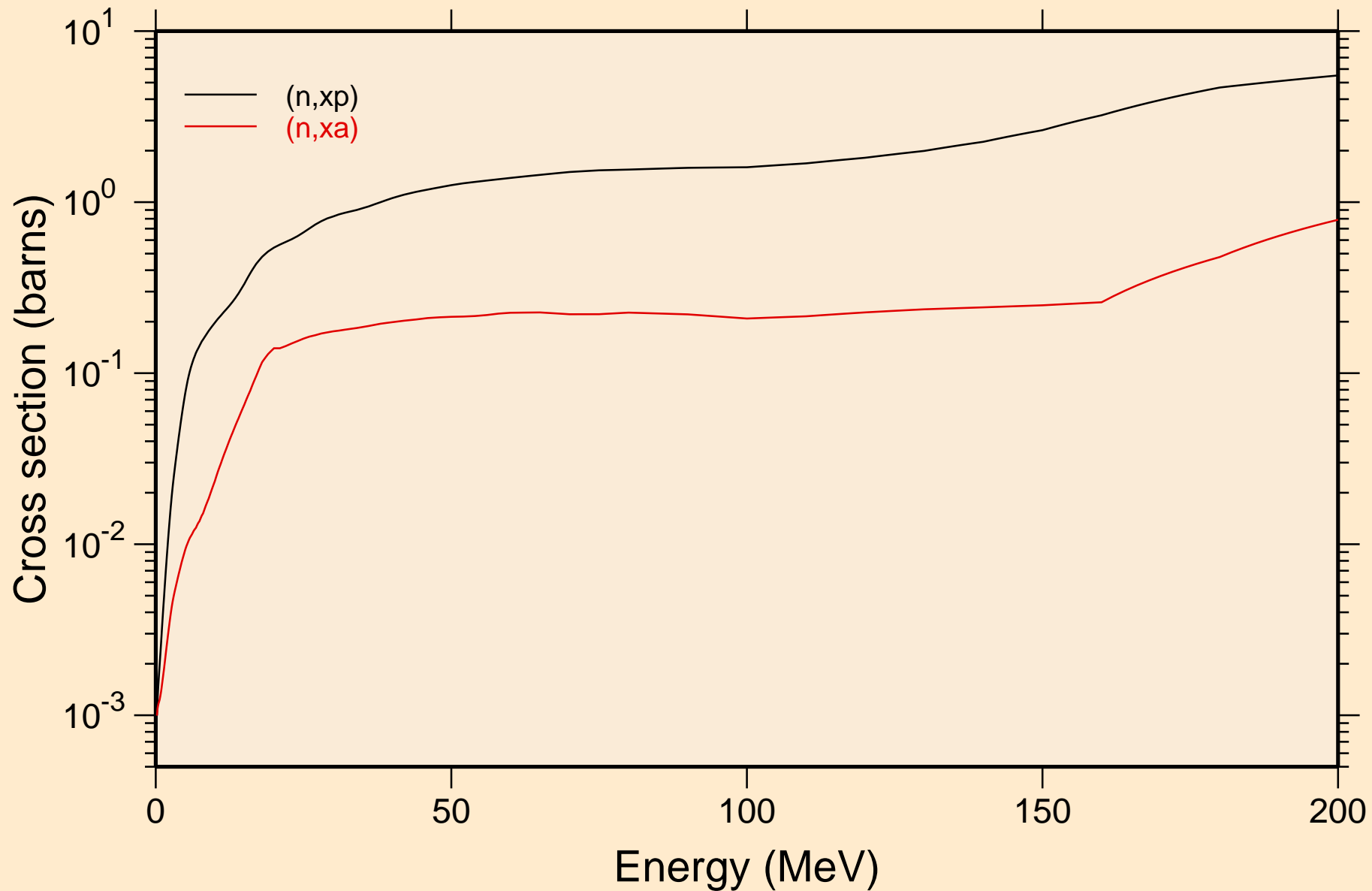


# HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

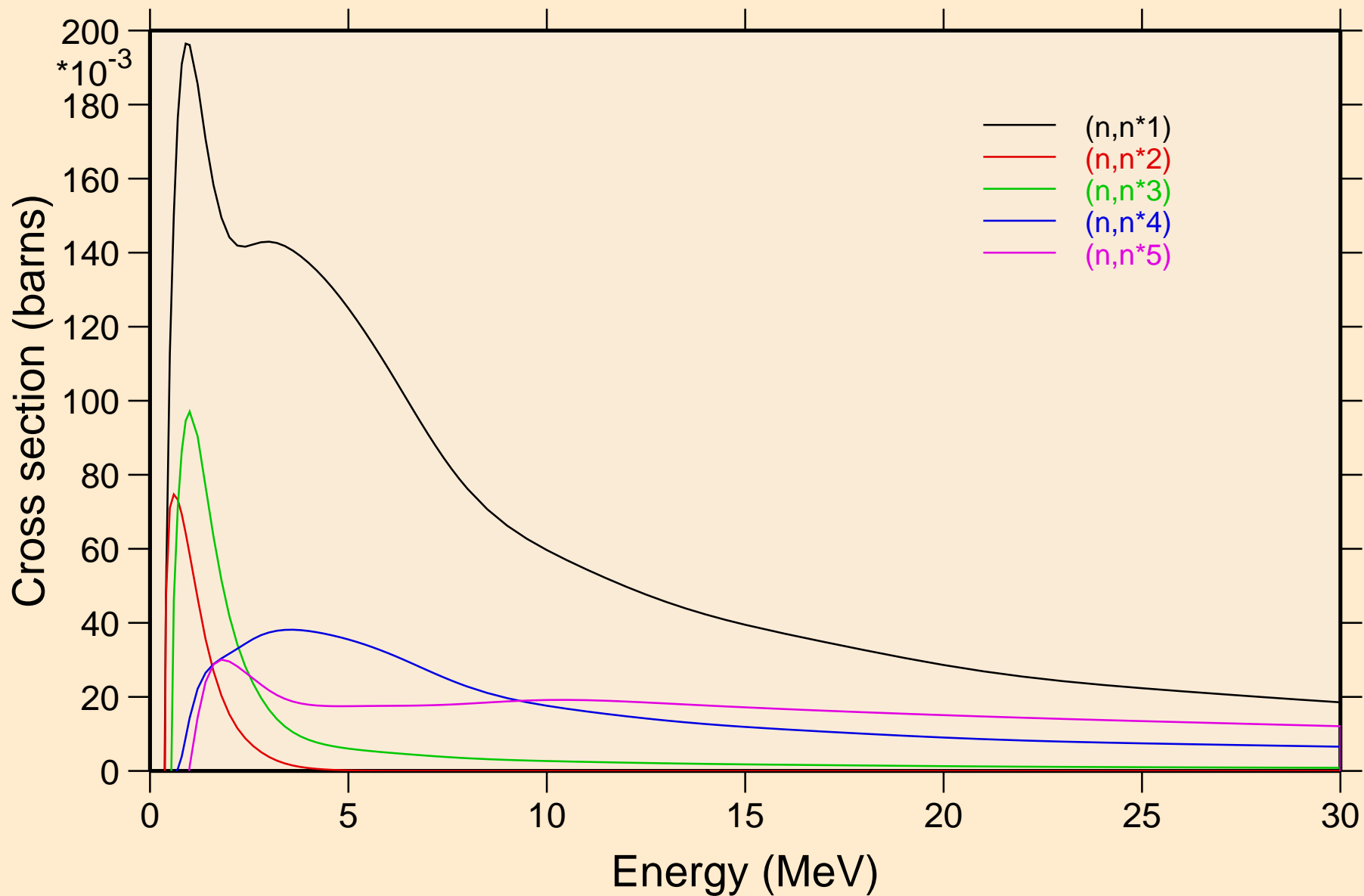
## Non-threshold reactions



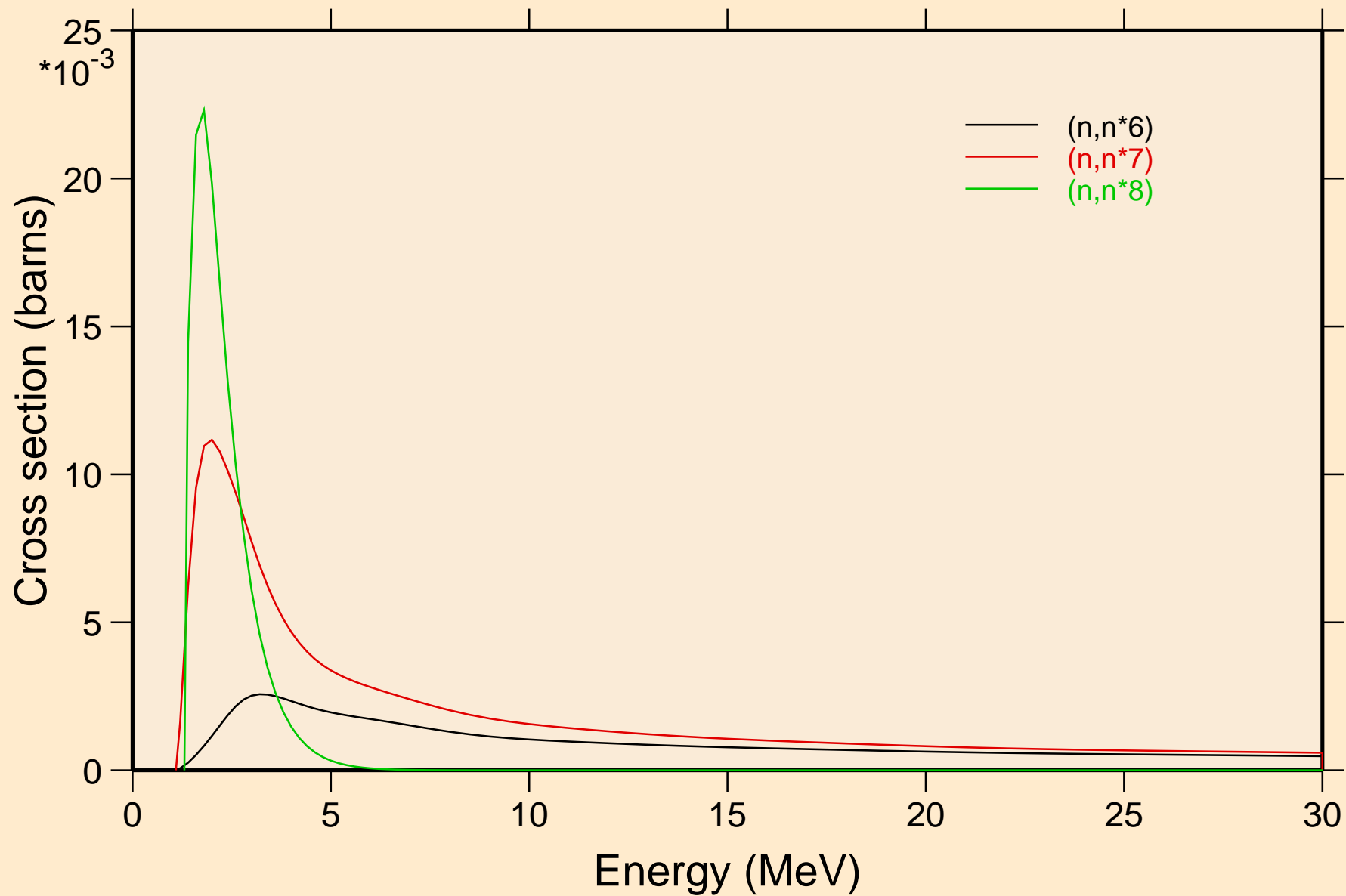
HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions



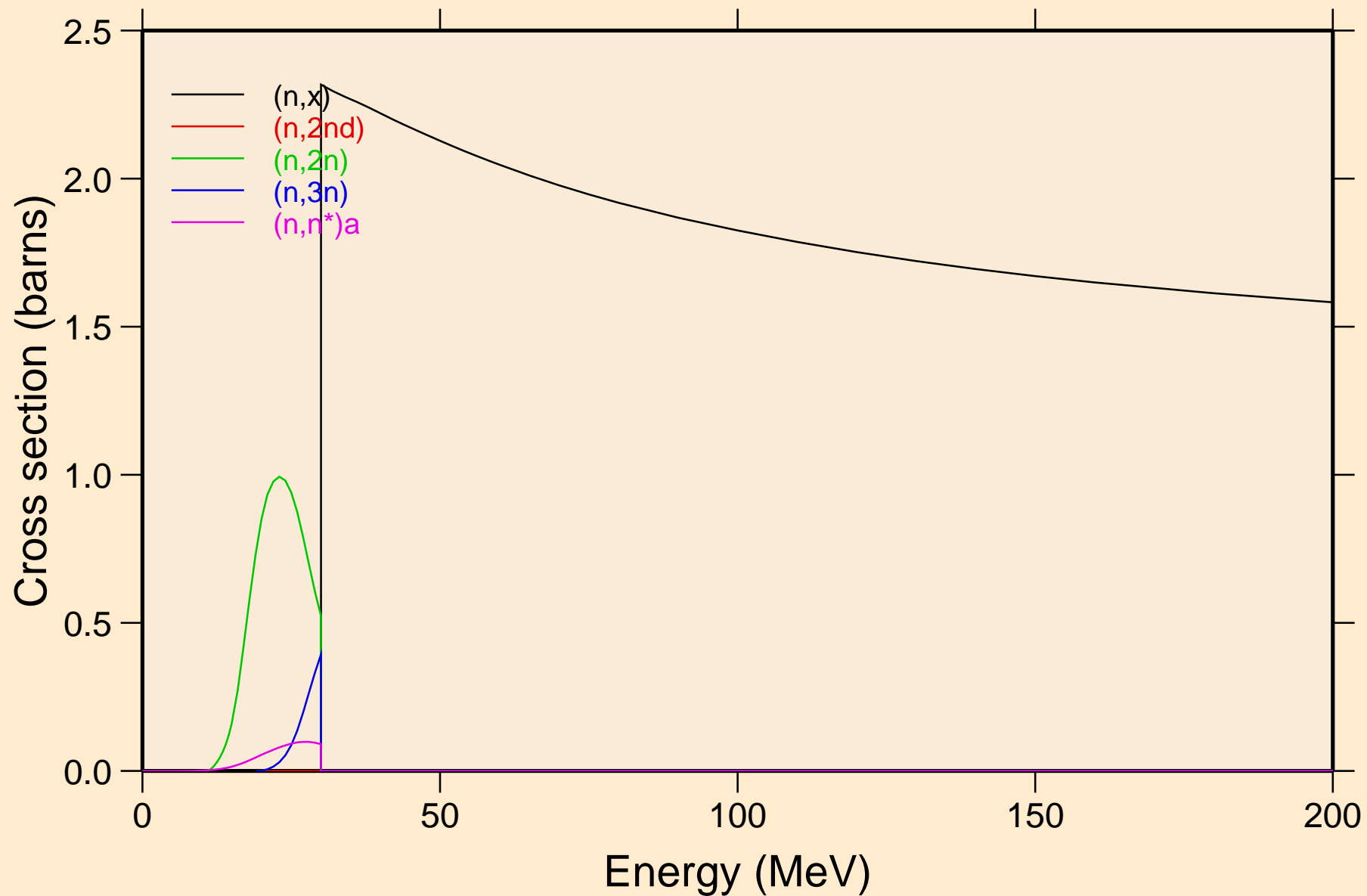
HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



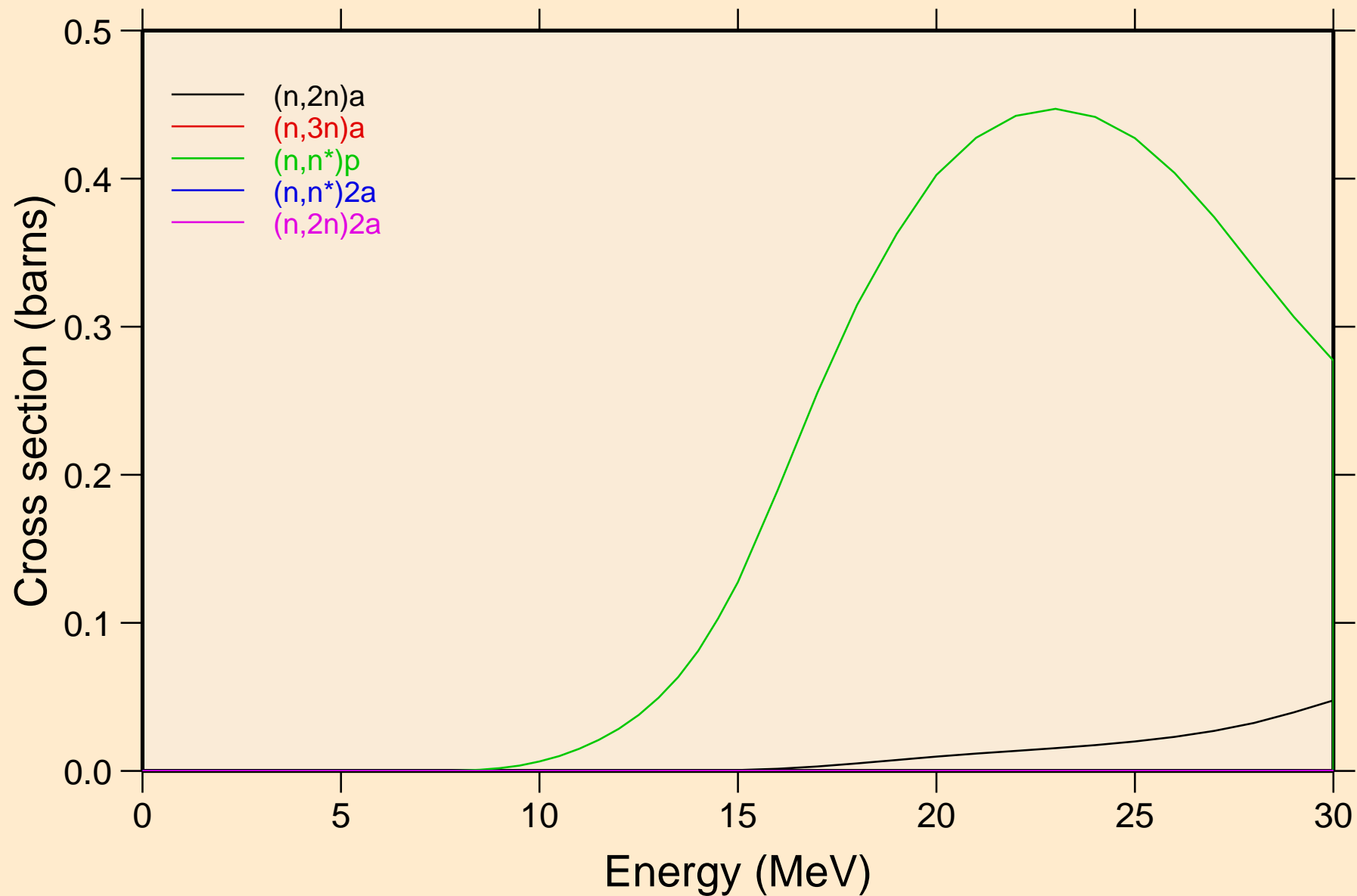
HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

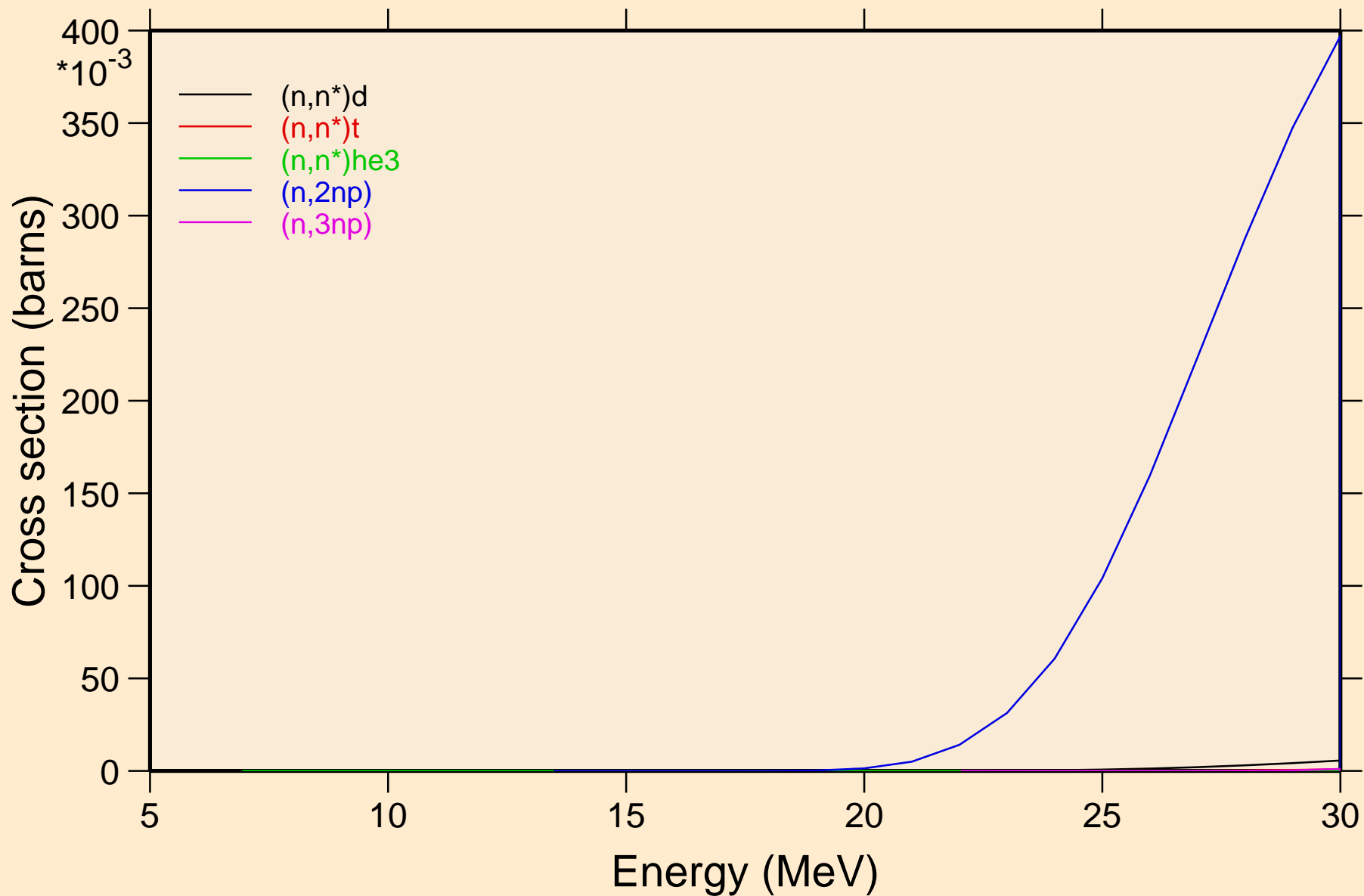


HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



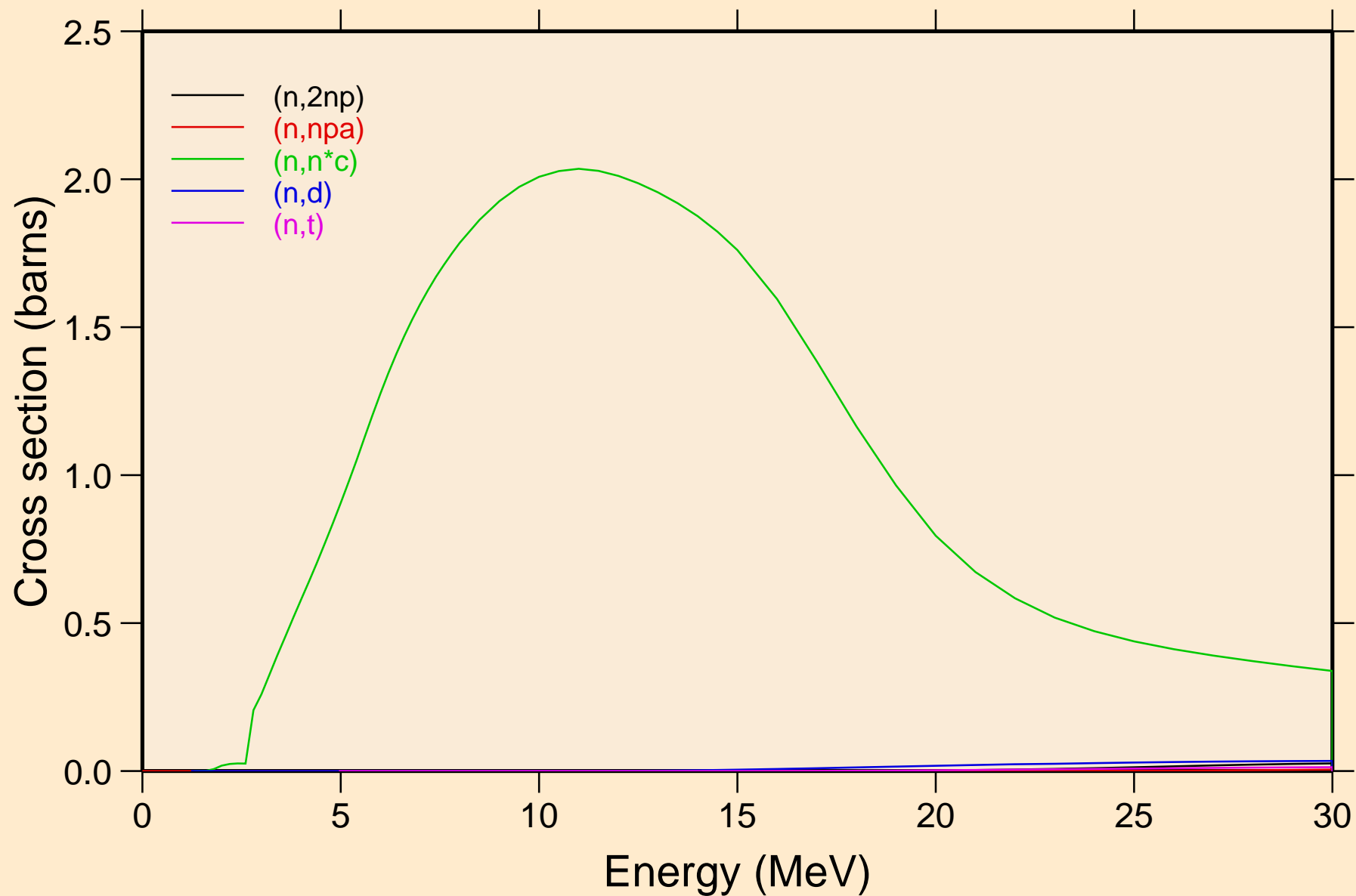
# HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Threshold reactions



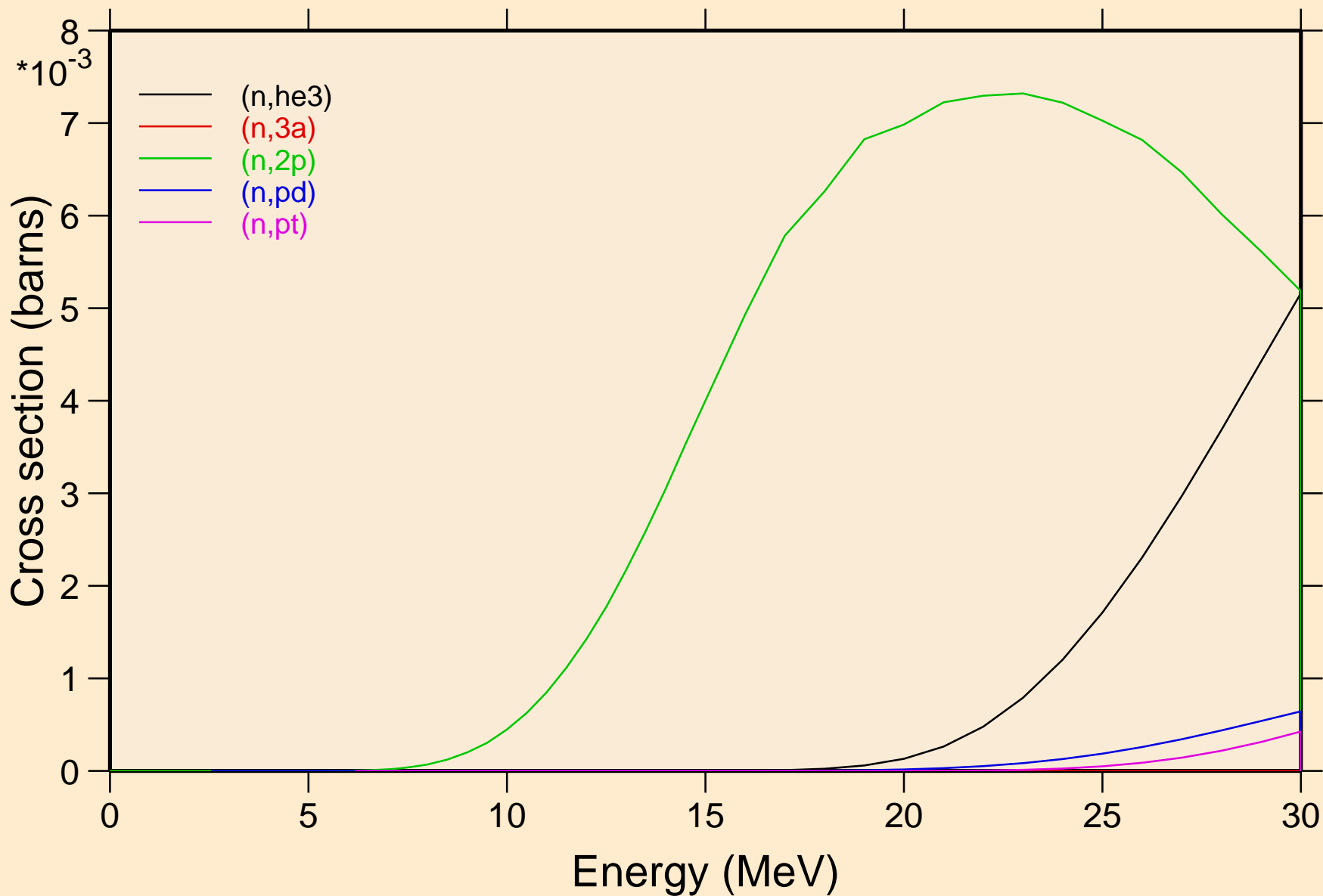


HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

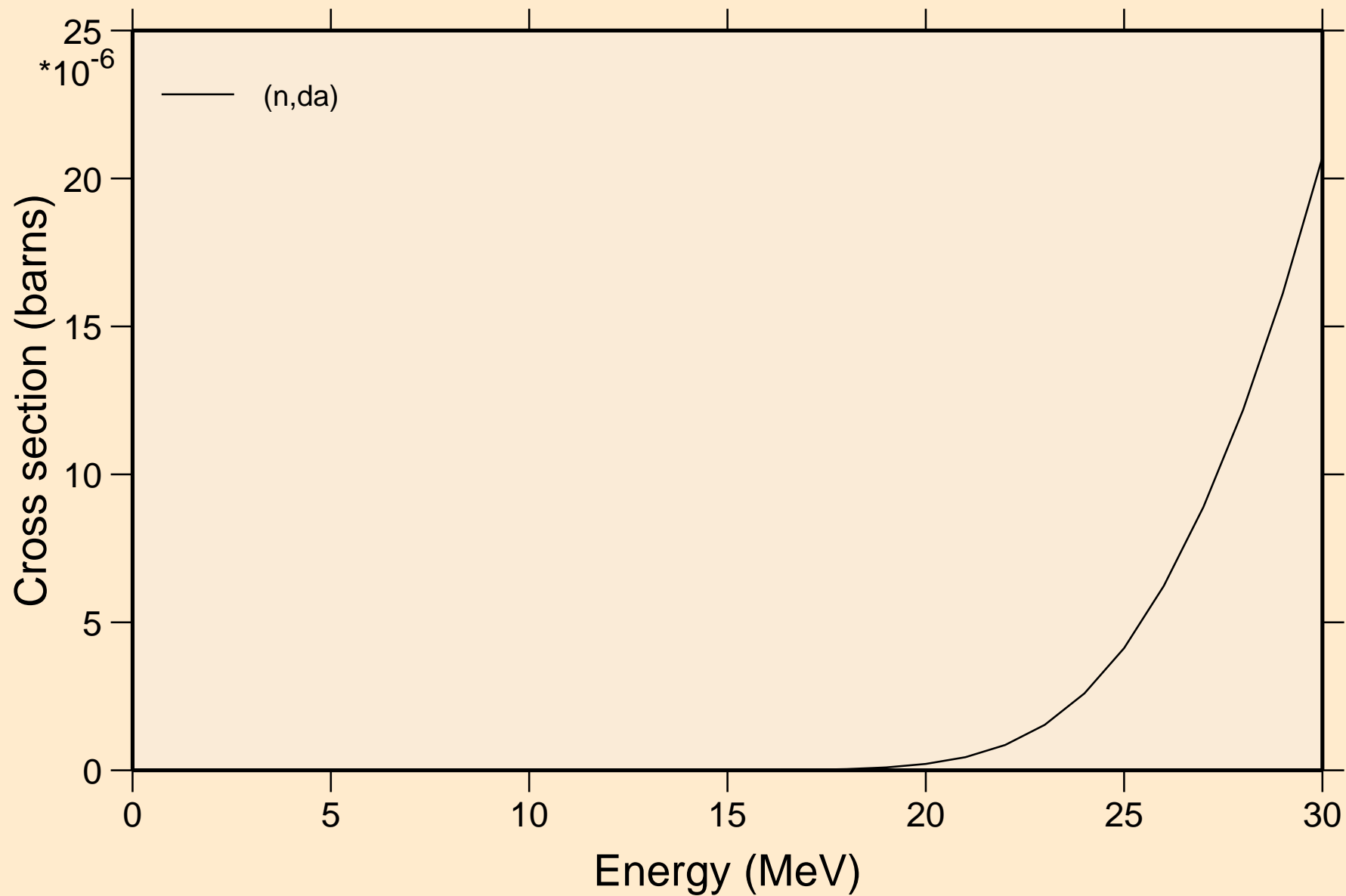


# HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

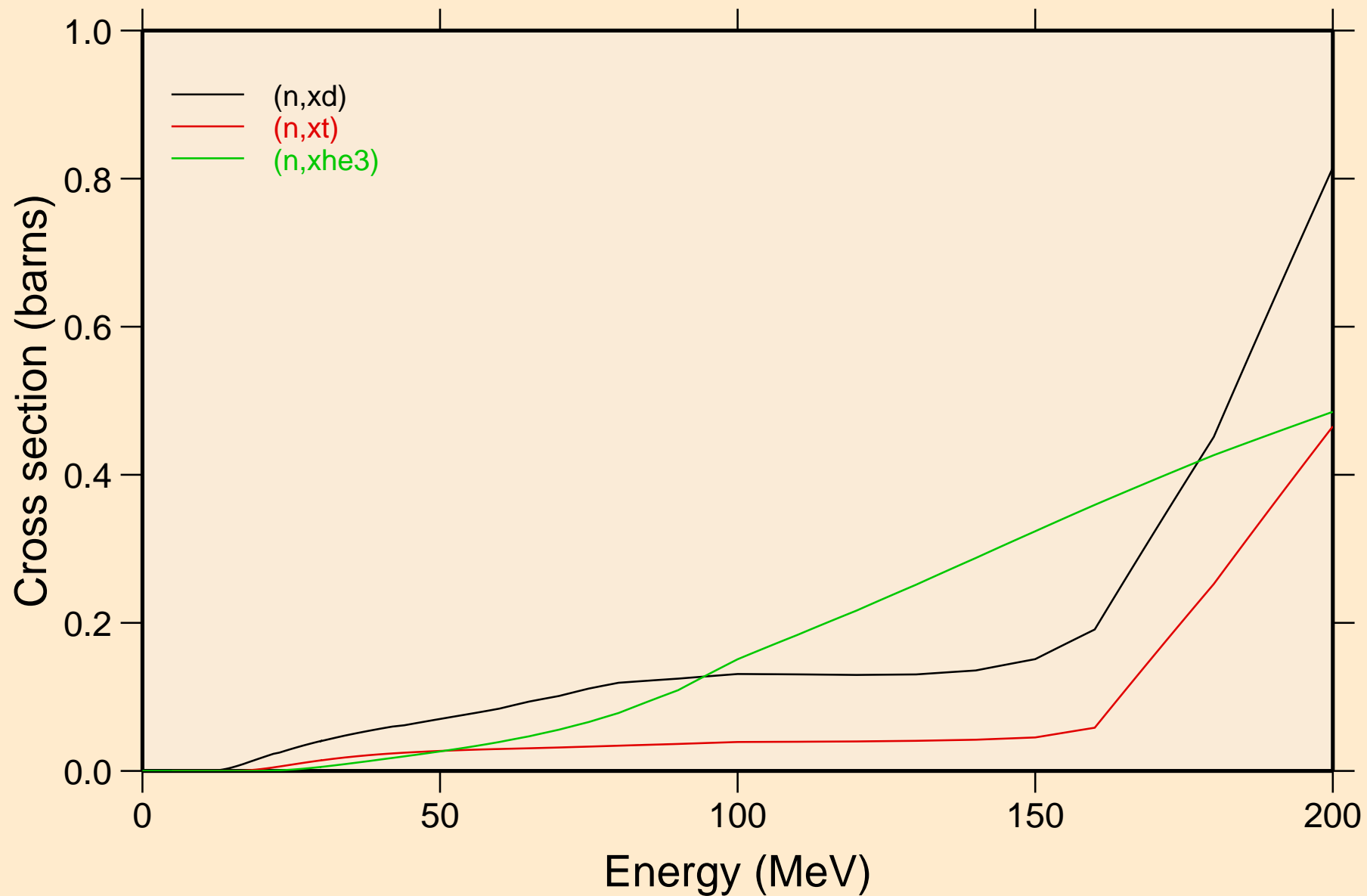
## Threshold reactions



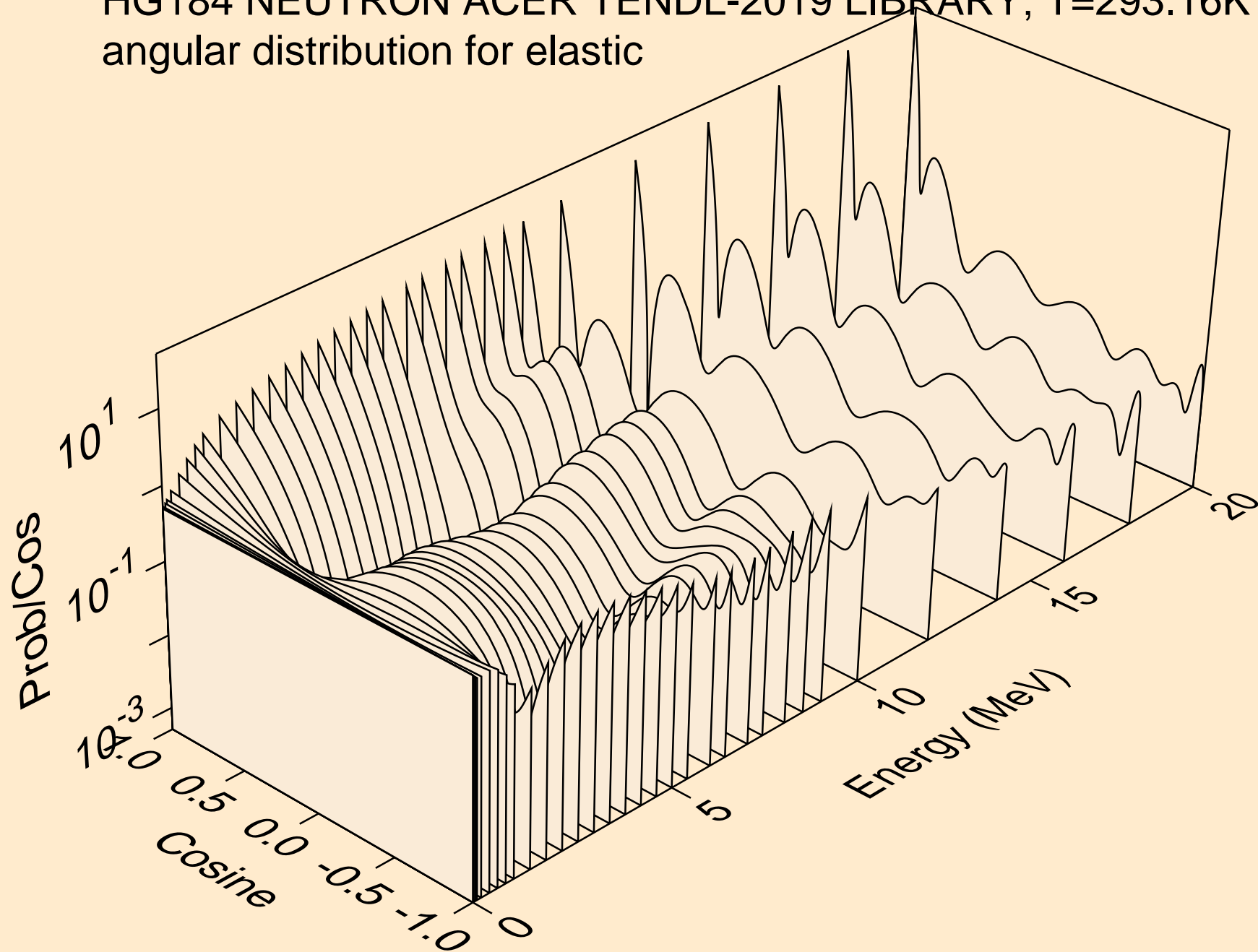
HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



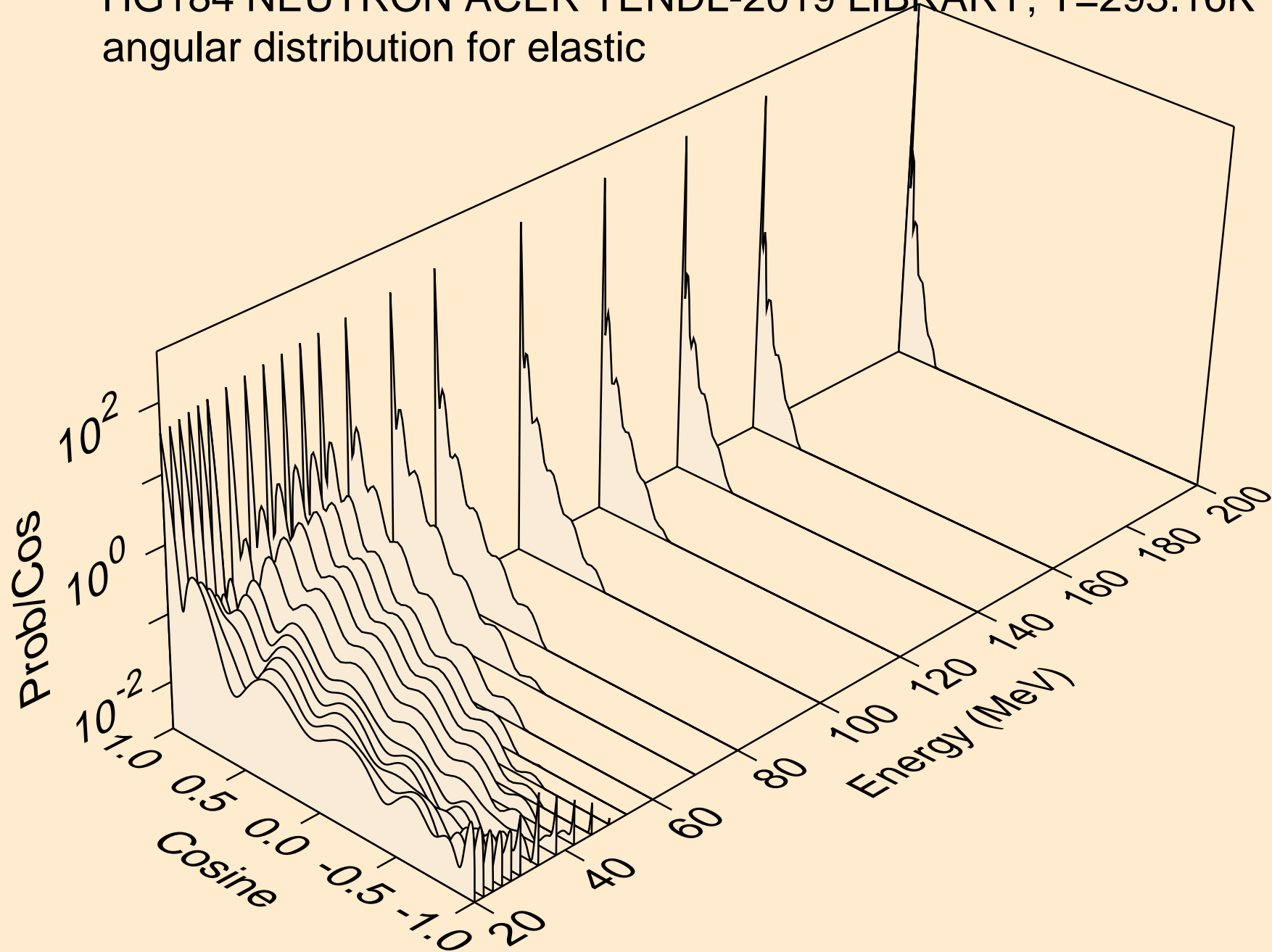
HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



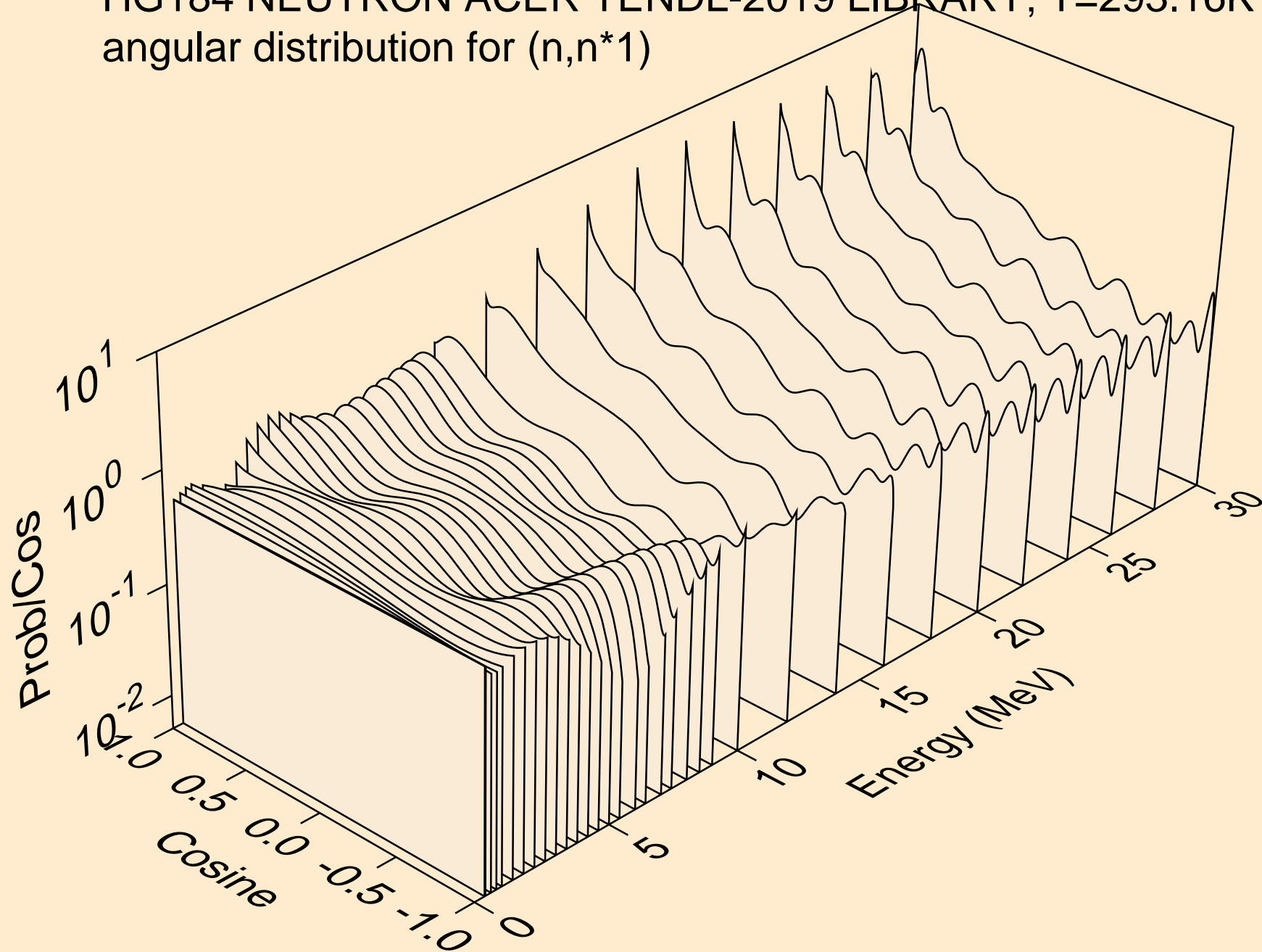
HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic



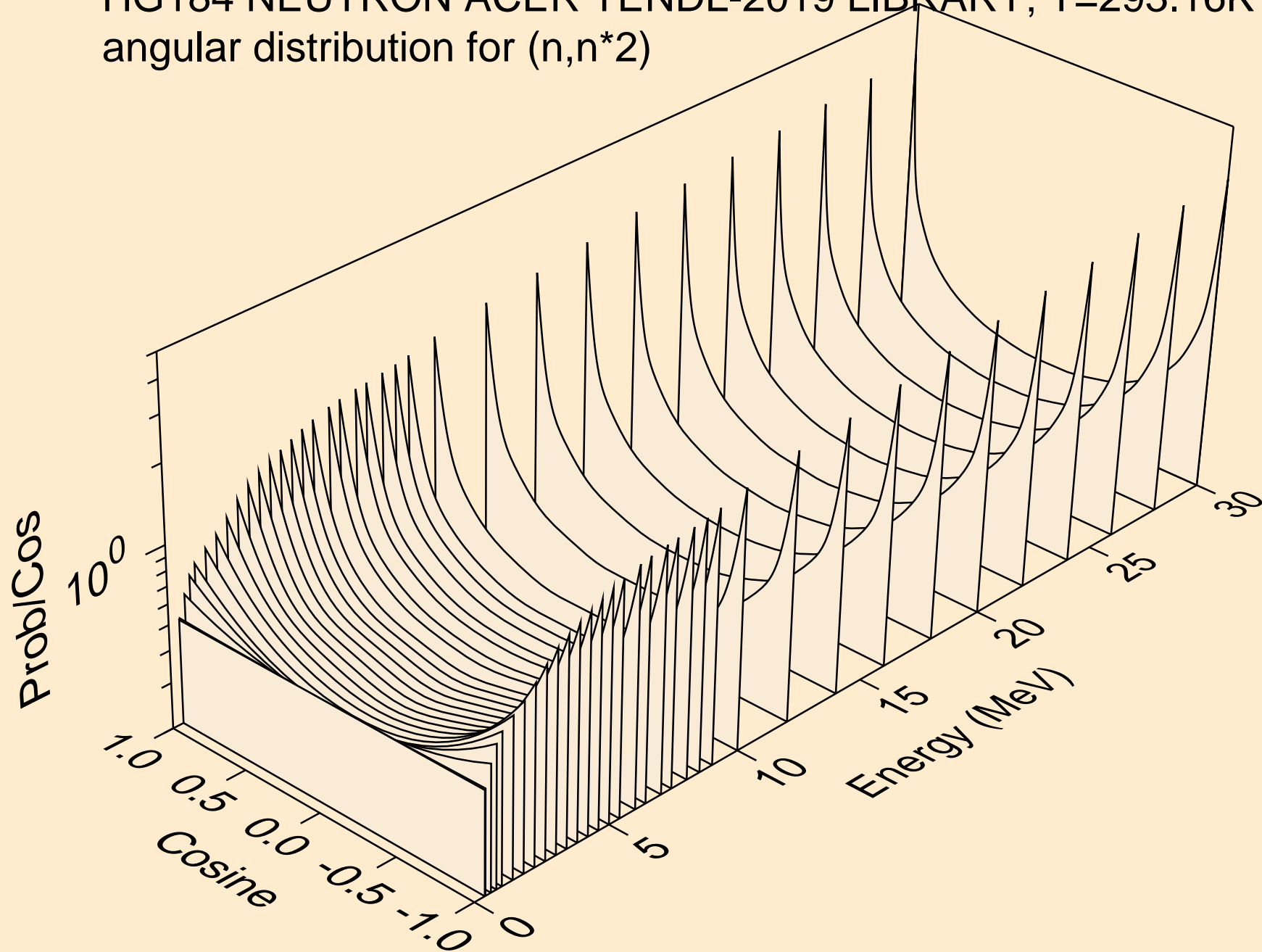
HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic



HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*1)

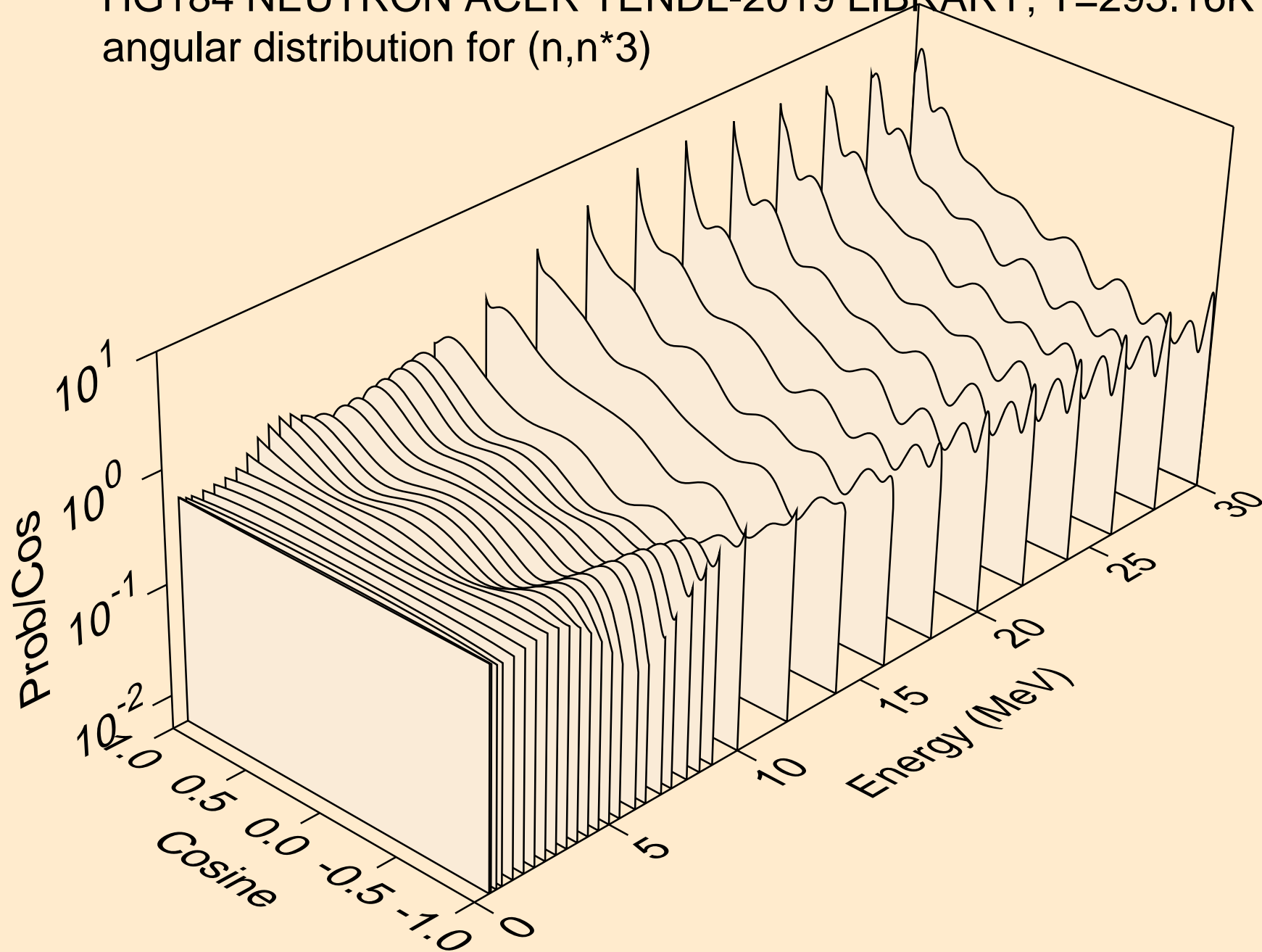


HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*2)

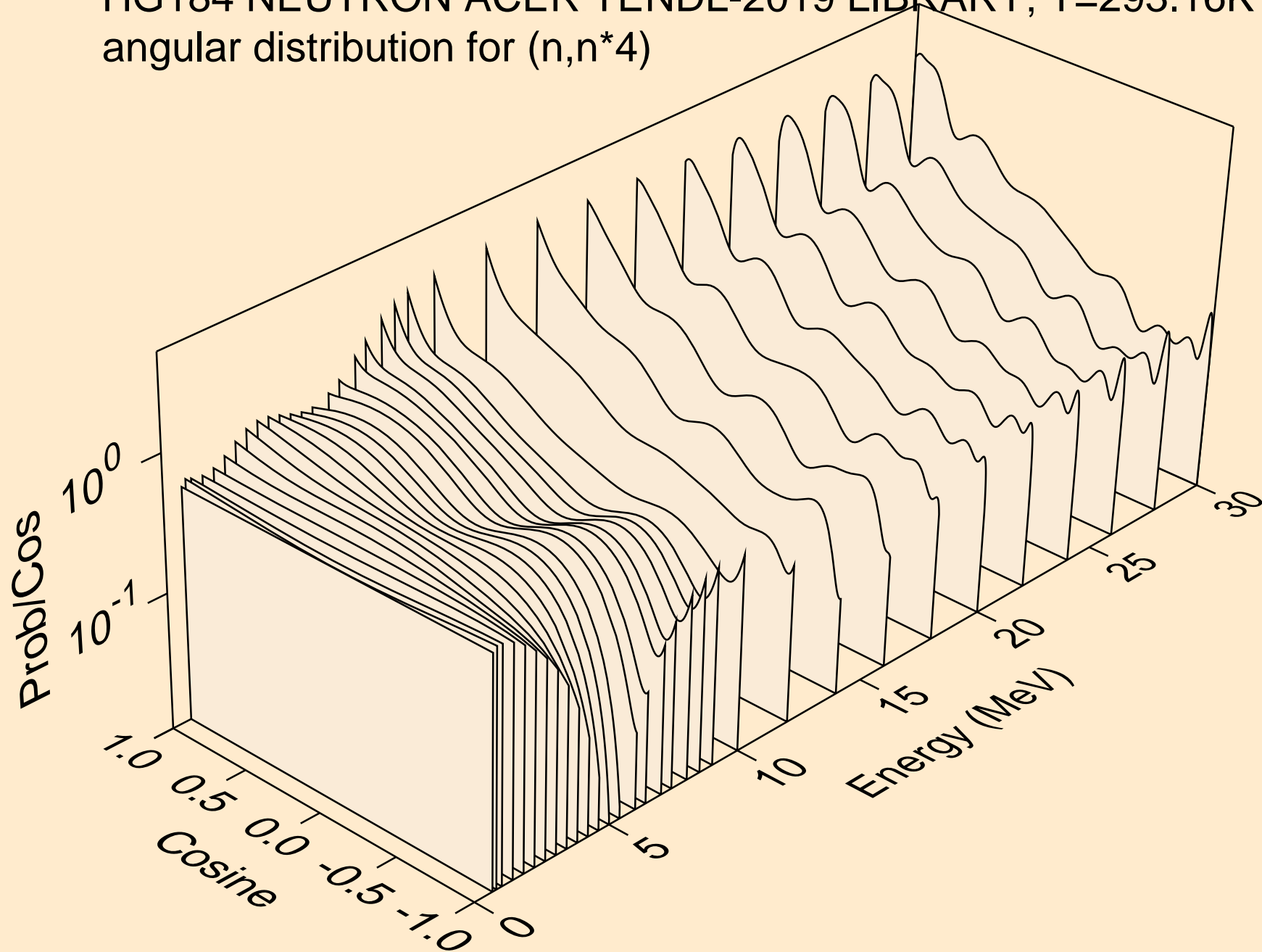




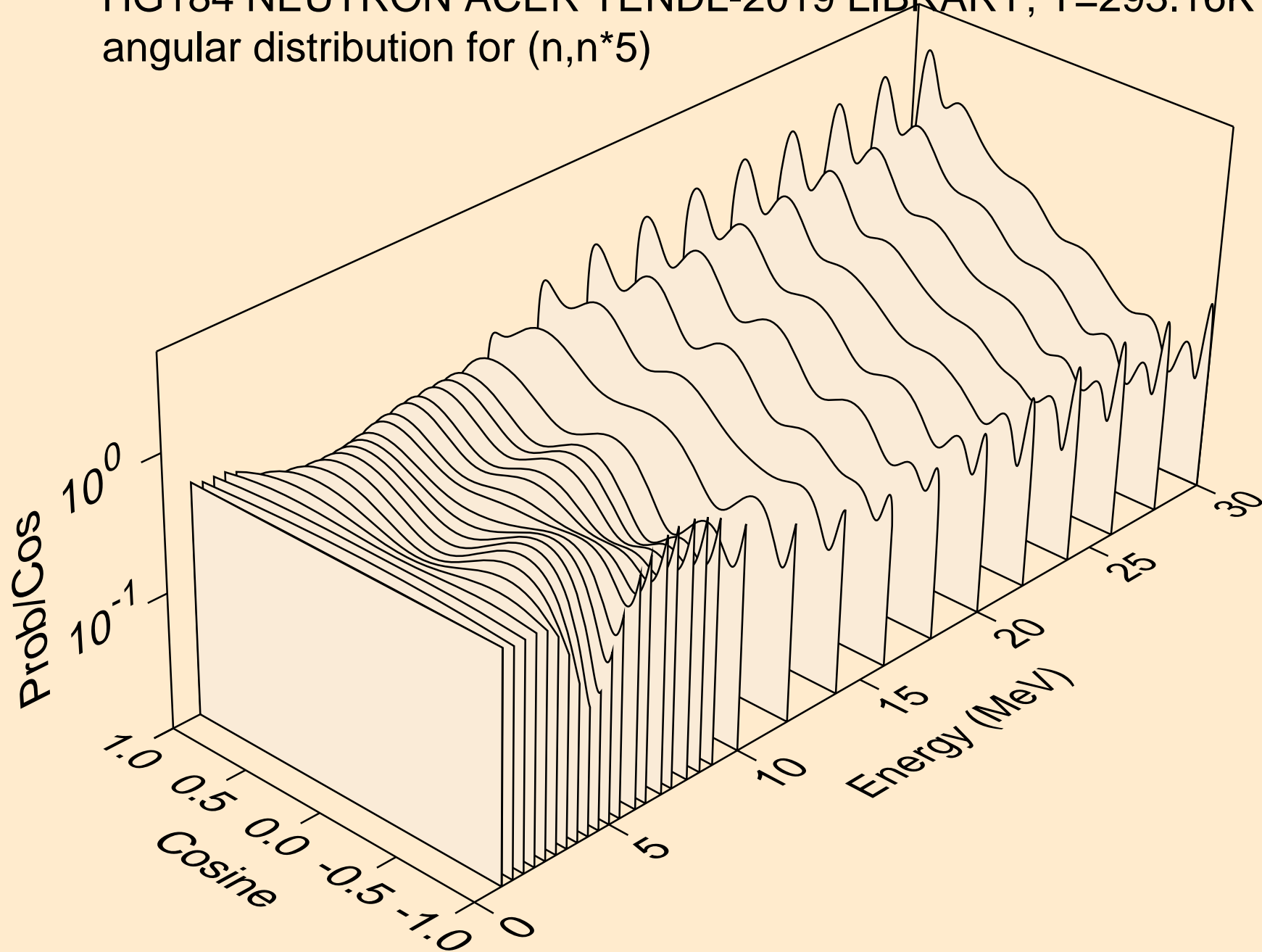
HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*3)



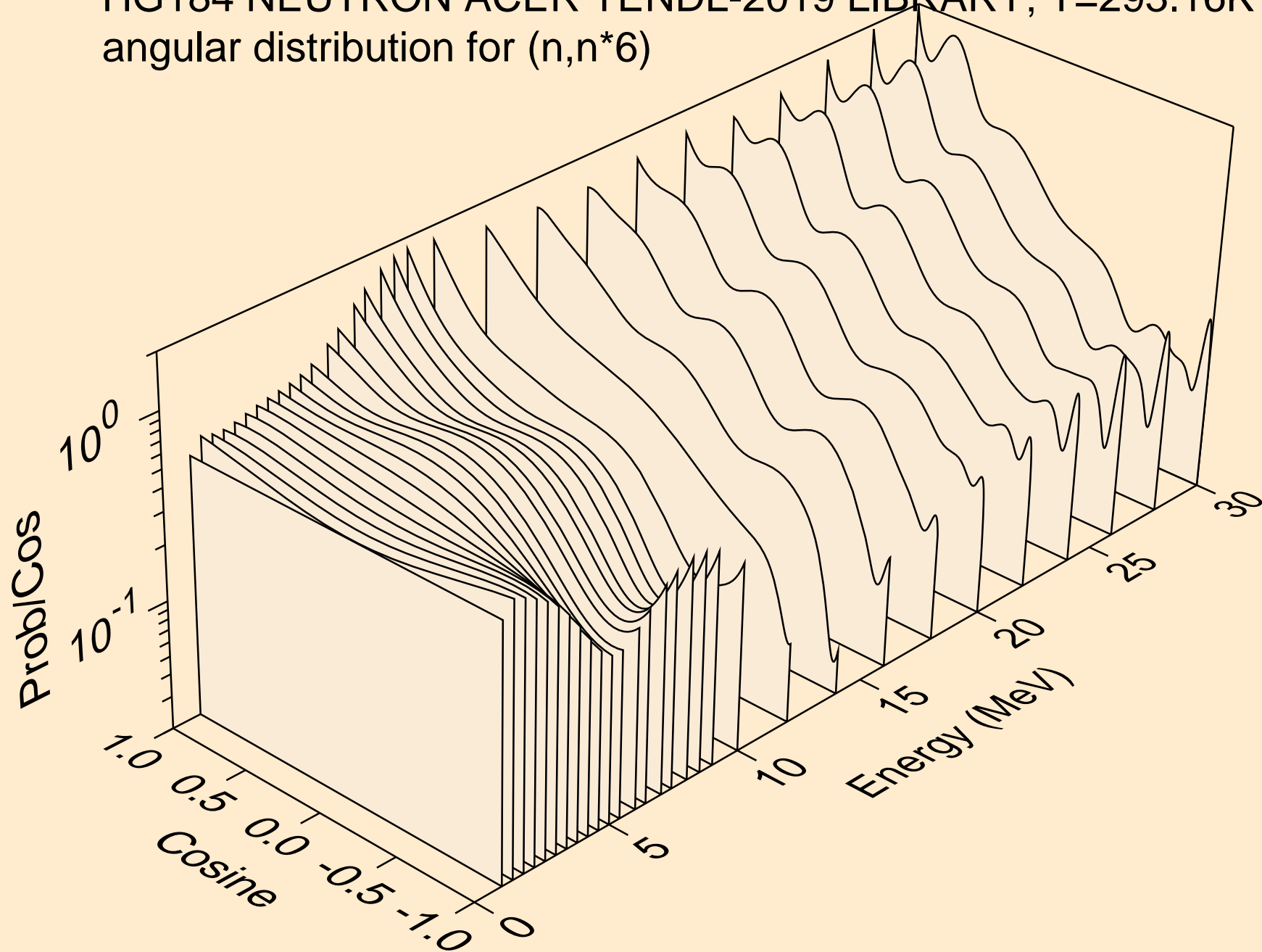
HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*4)



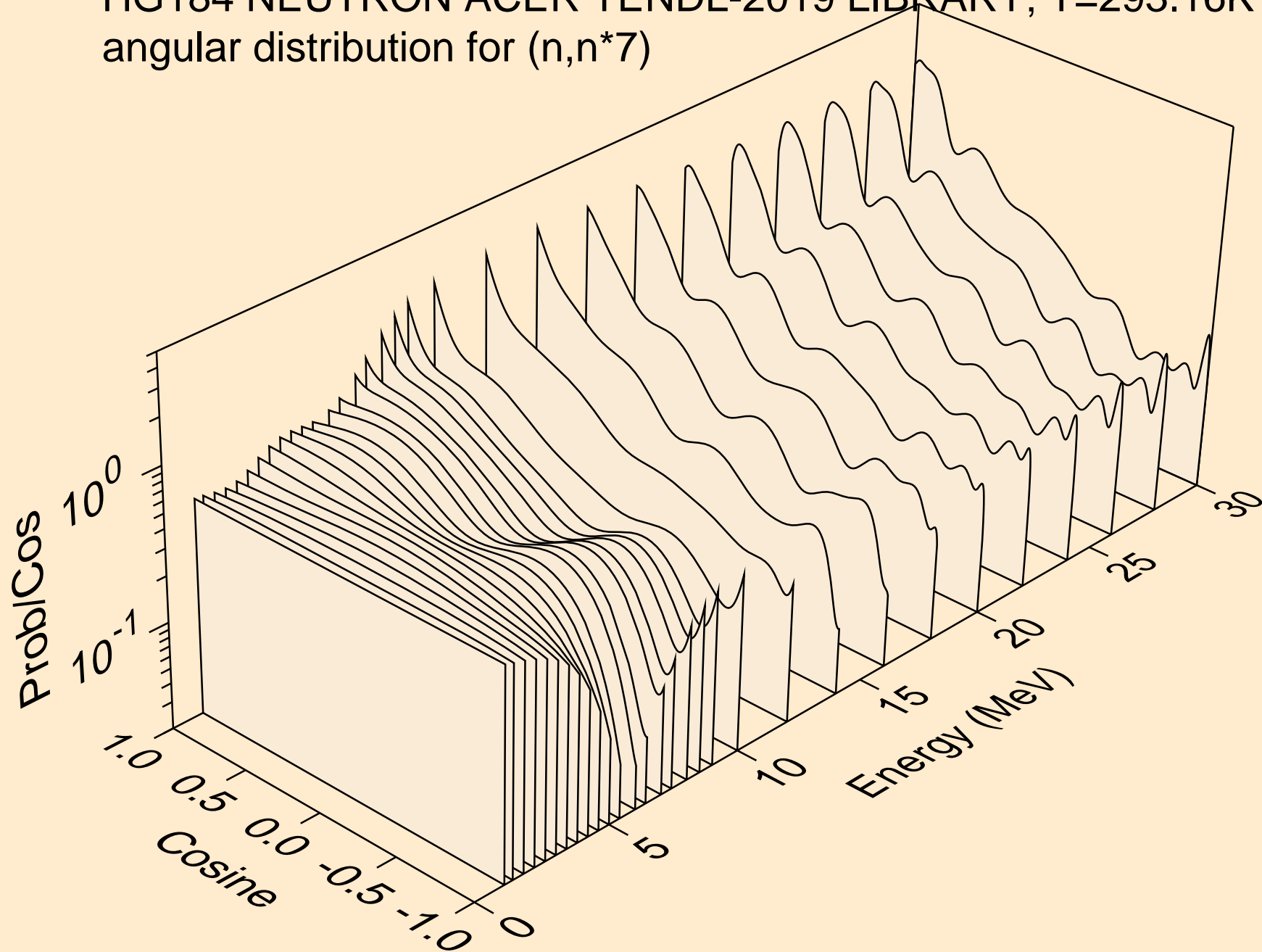
HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*5)



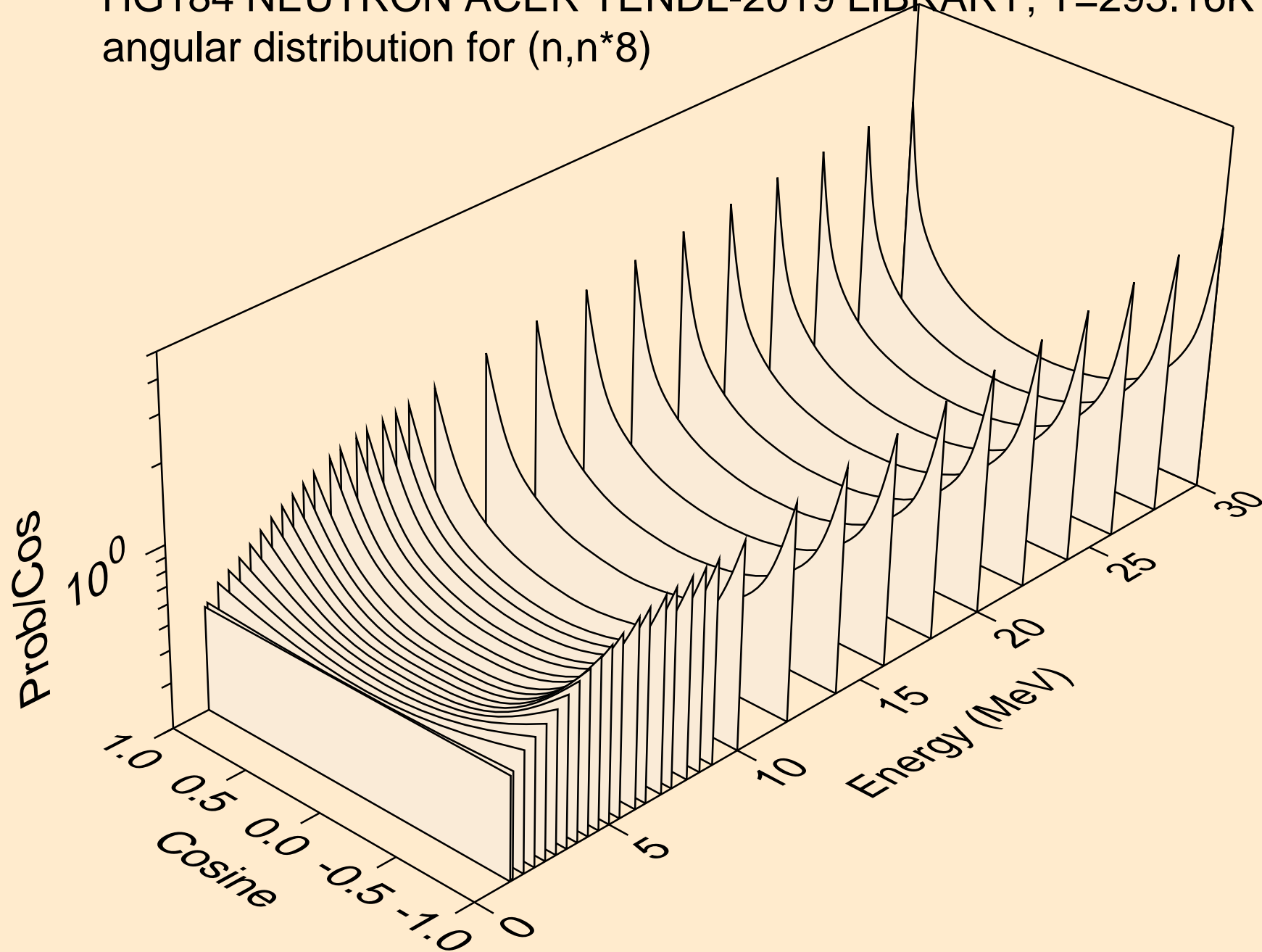
HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*6)



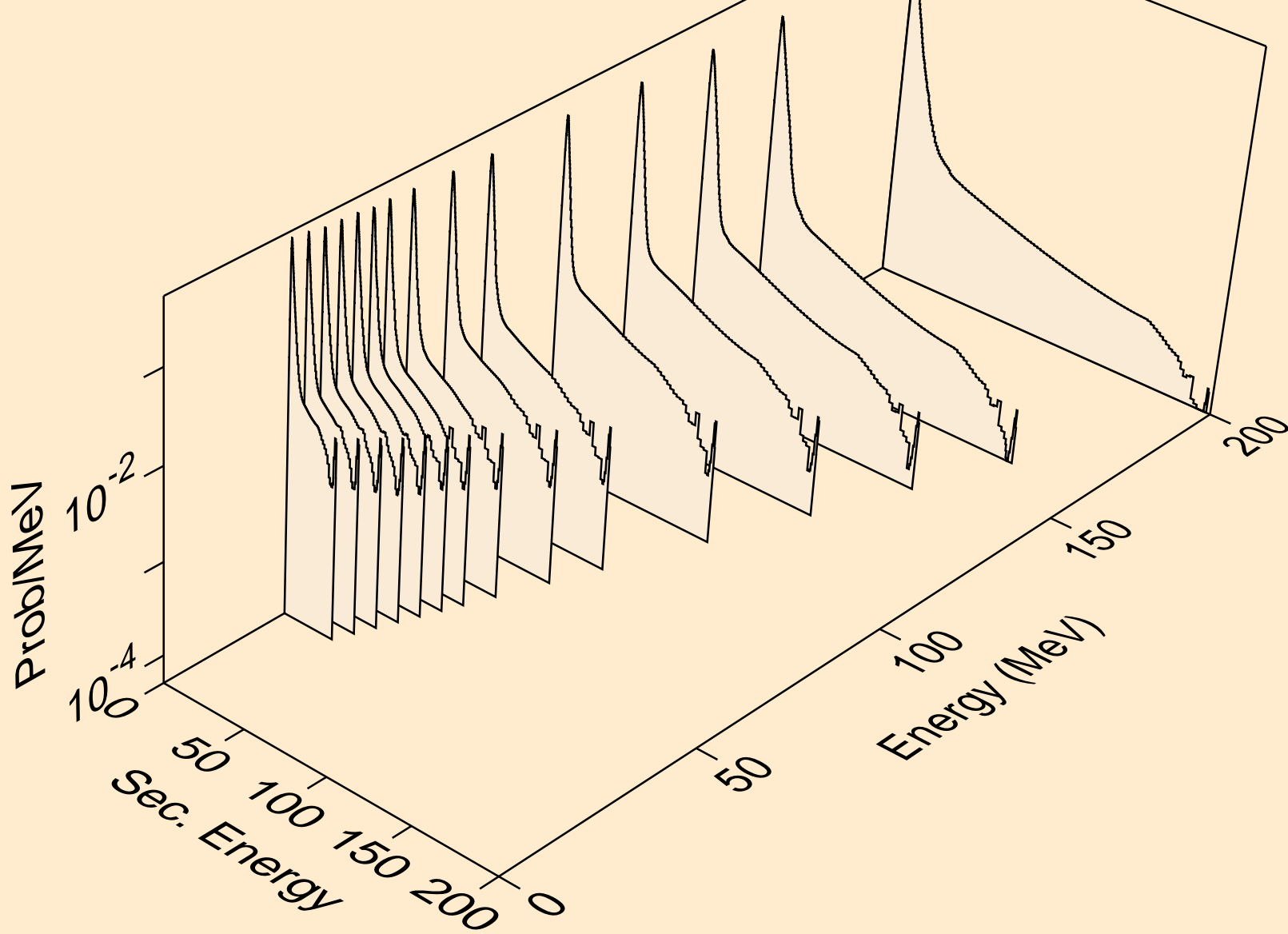
HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*7)



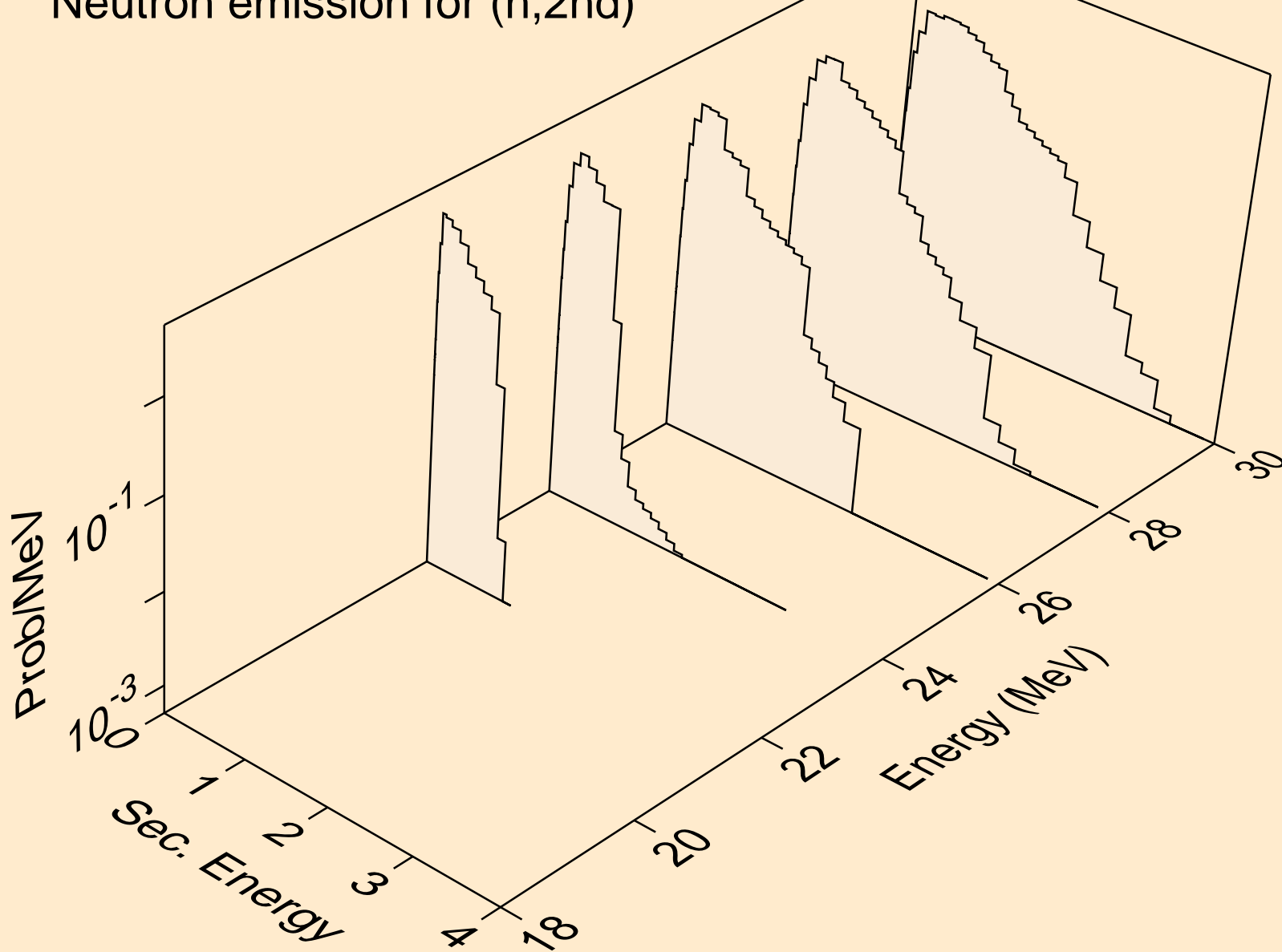
HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*8)



HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,x)

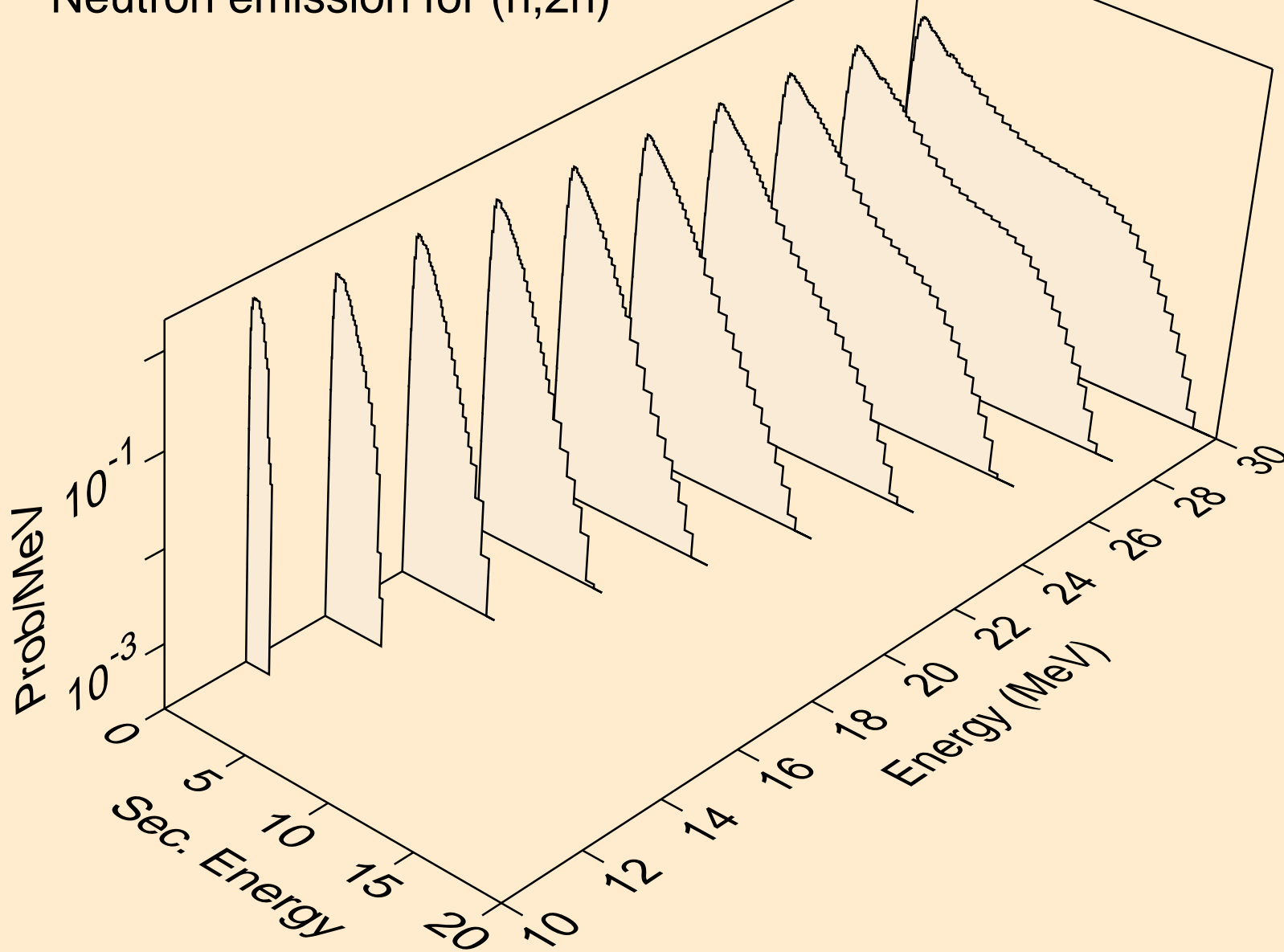


HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2nd)

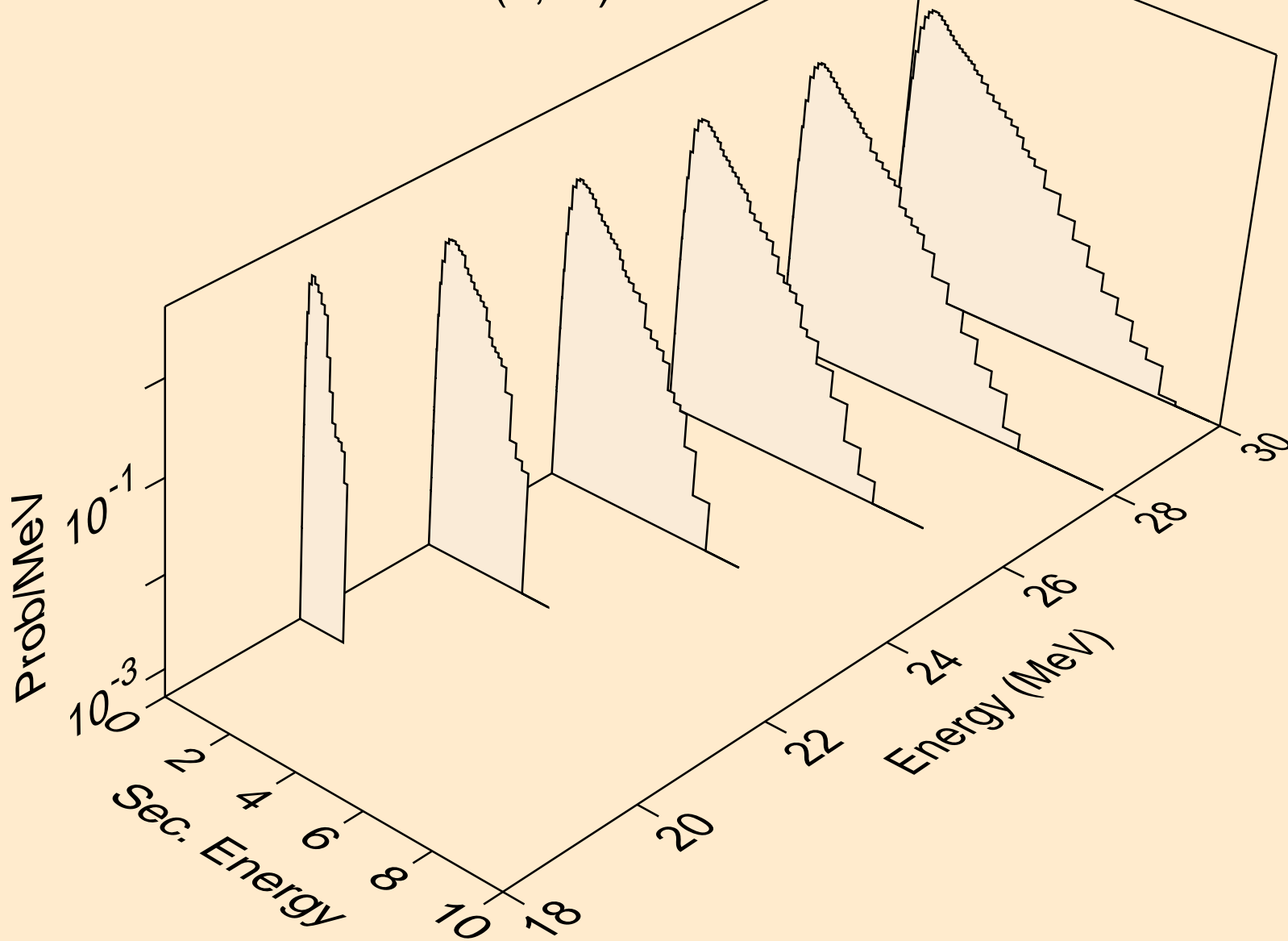




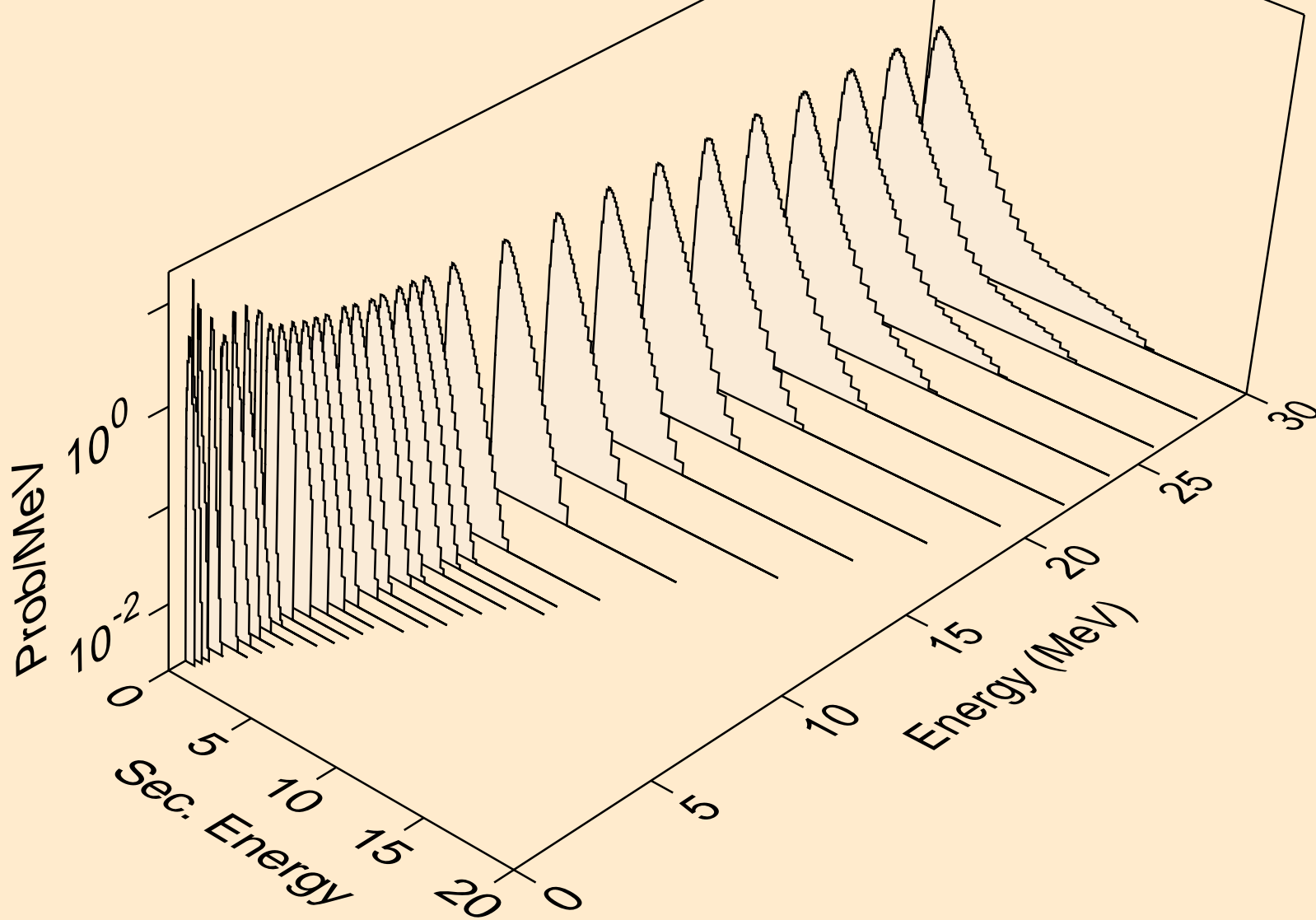
HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)



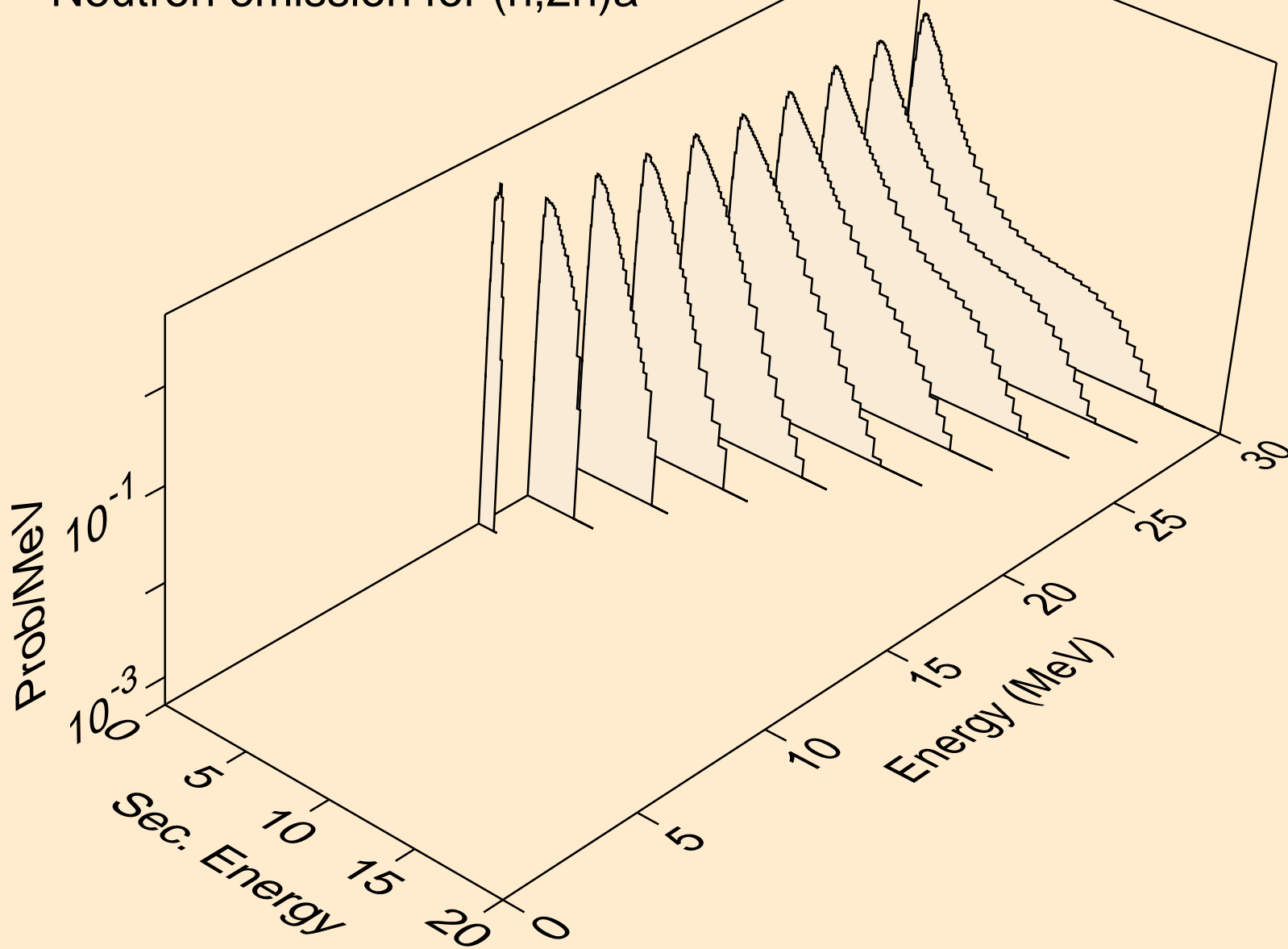
HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)



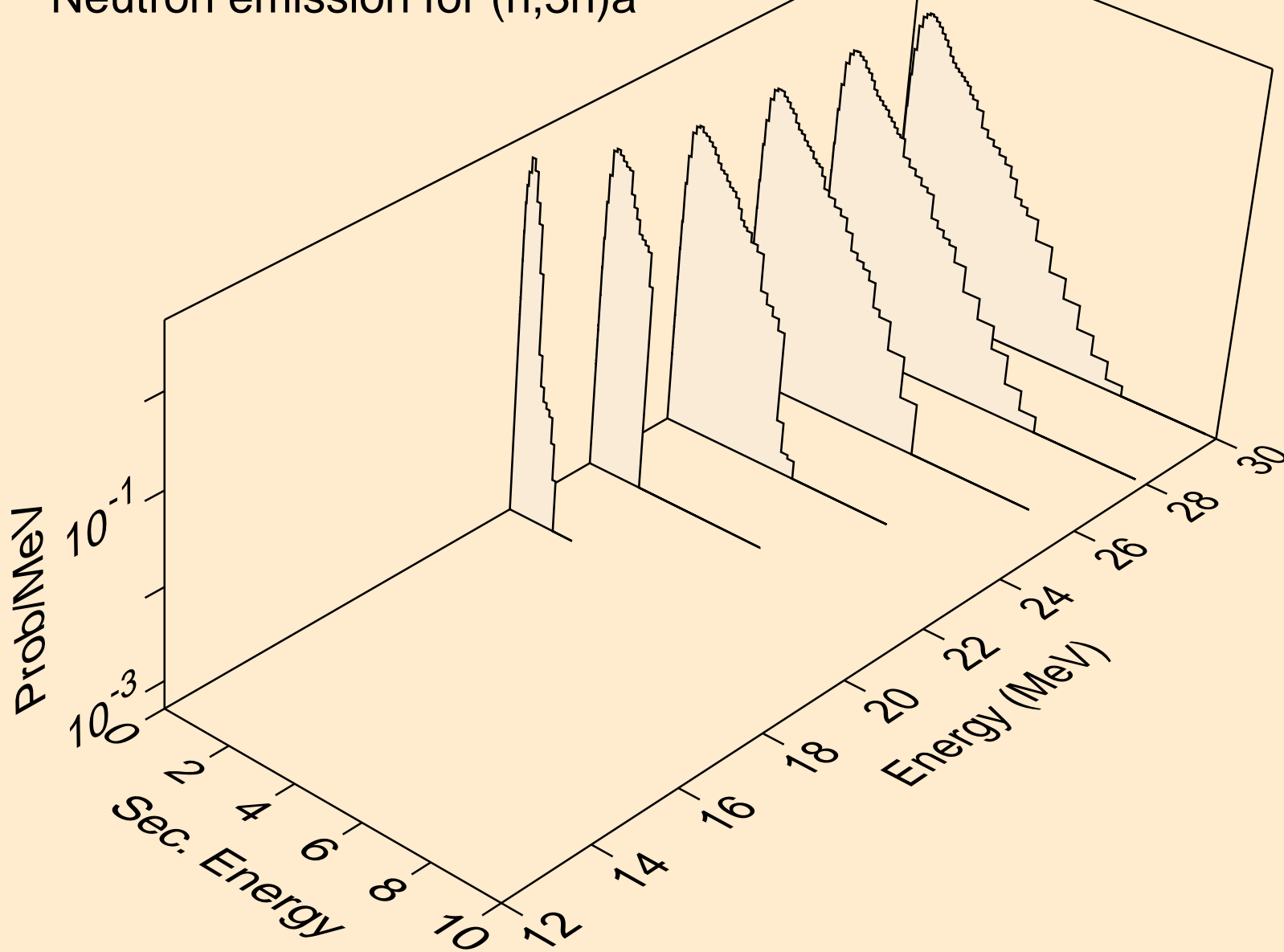
HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)a



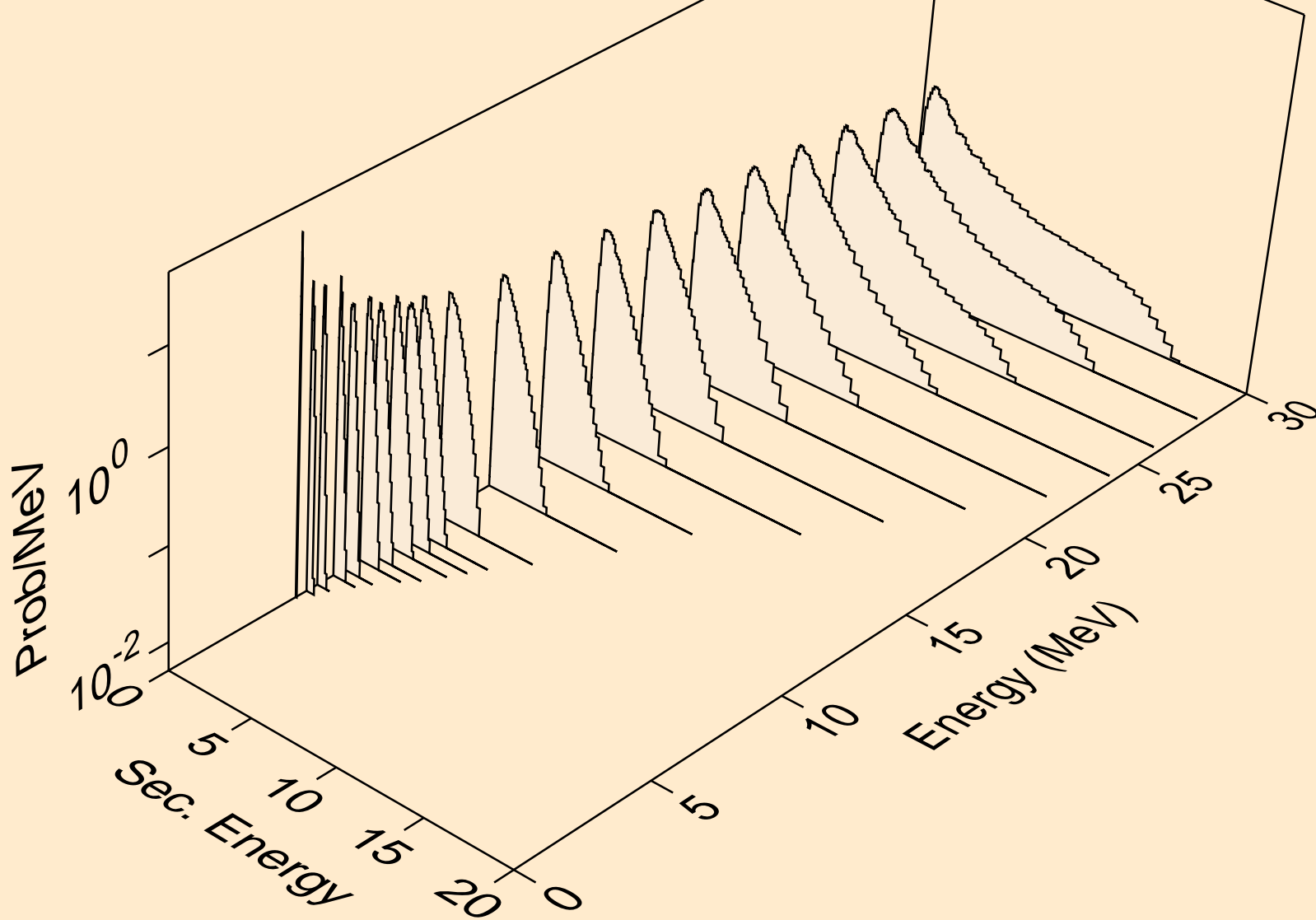
HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)a



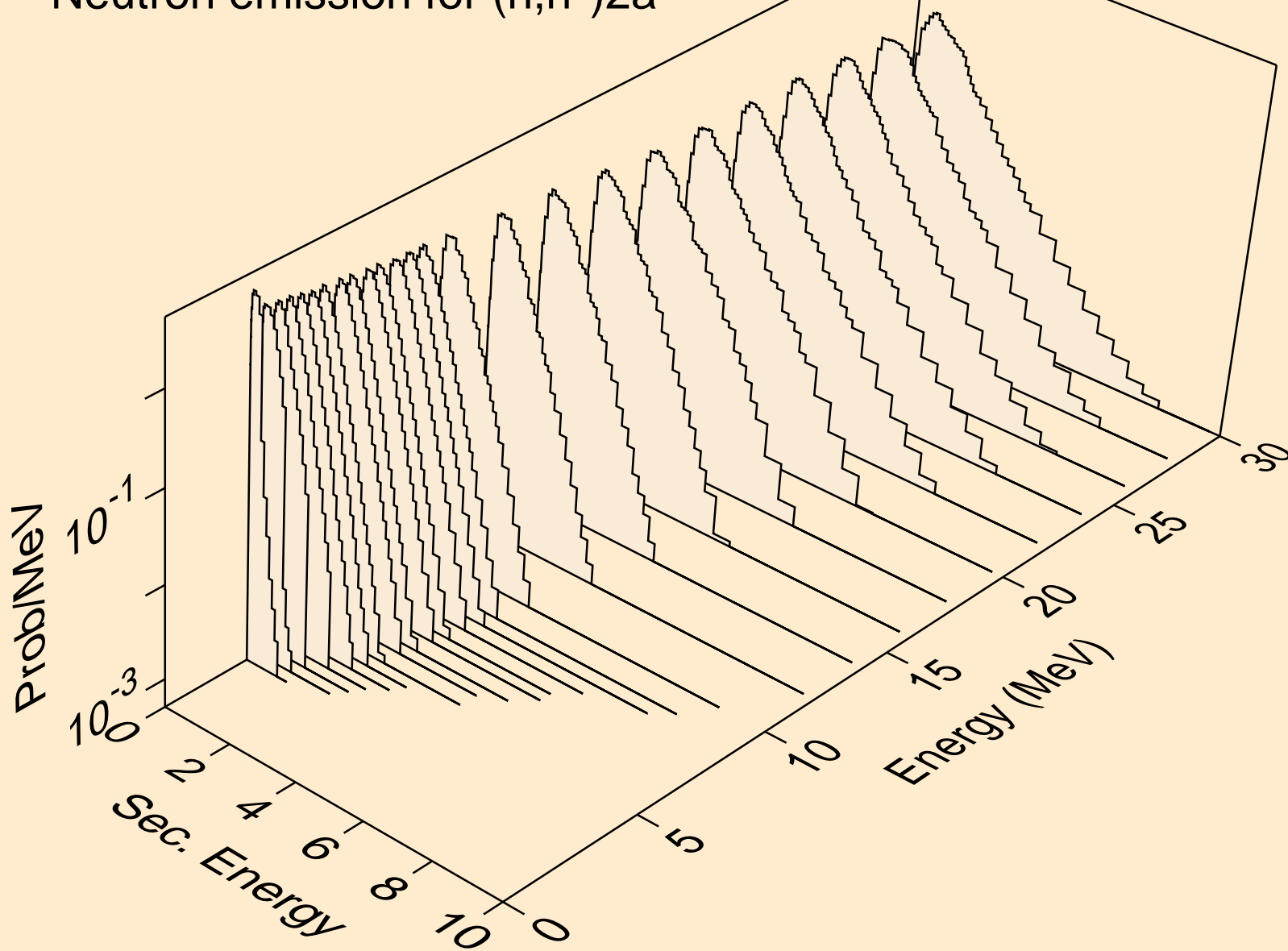
HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)a



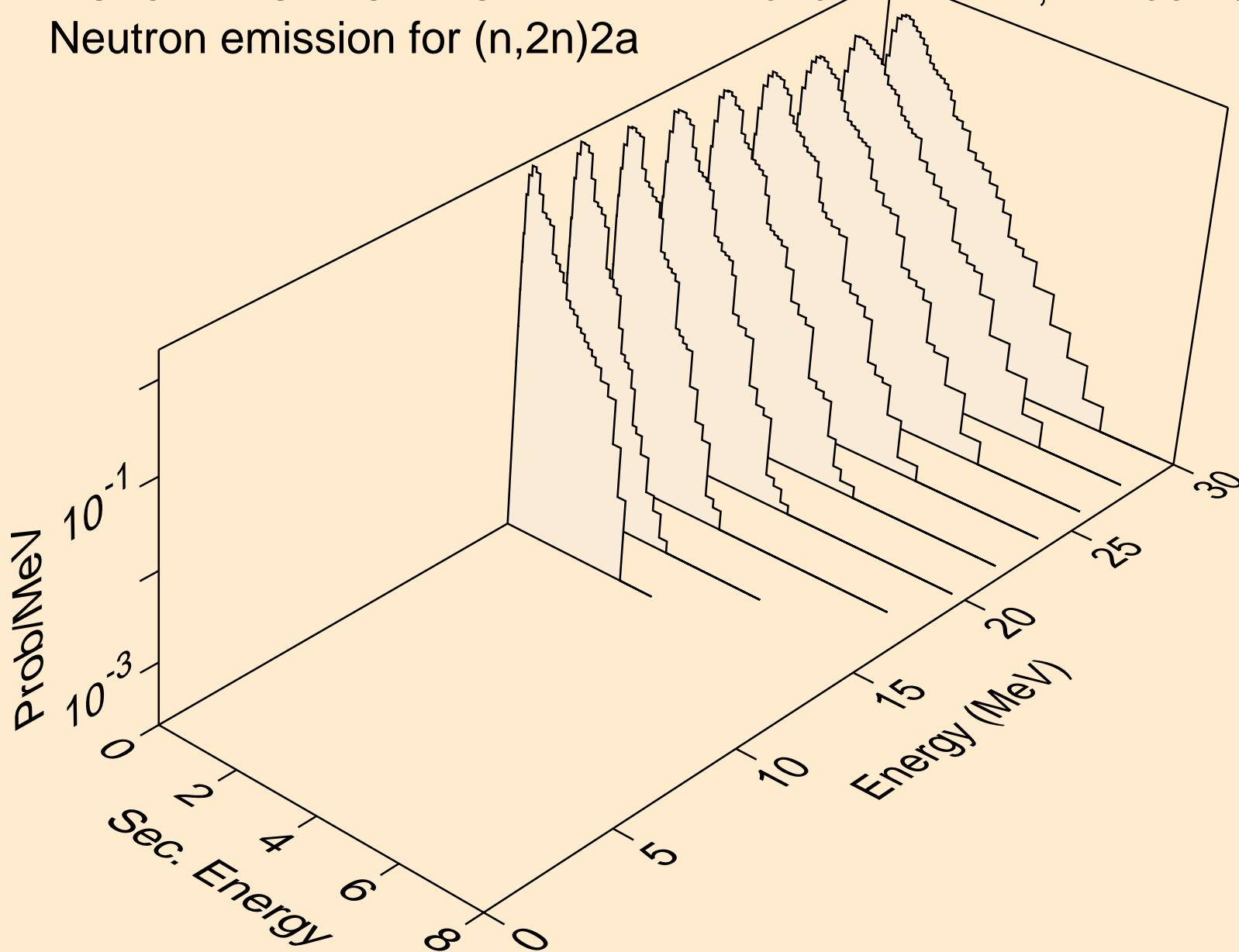
HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)p



HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)2a

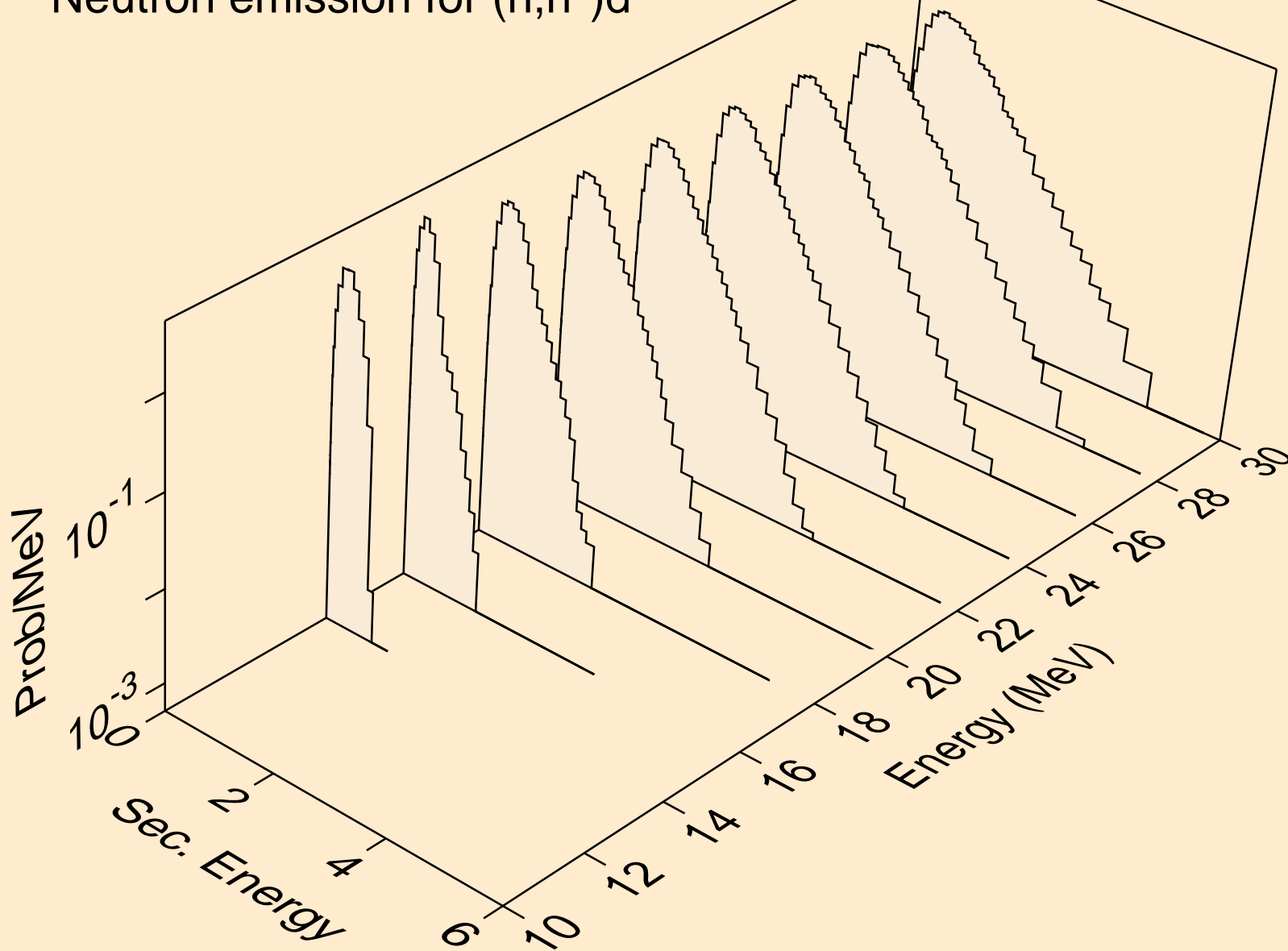


HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)2a

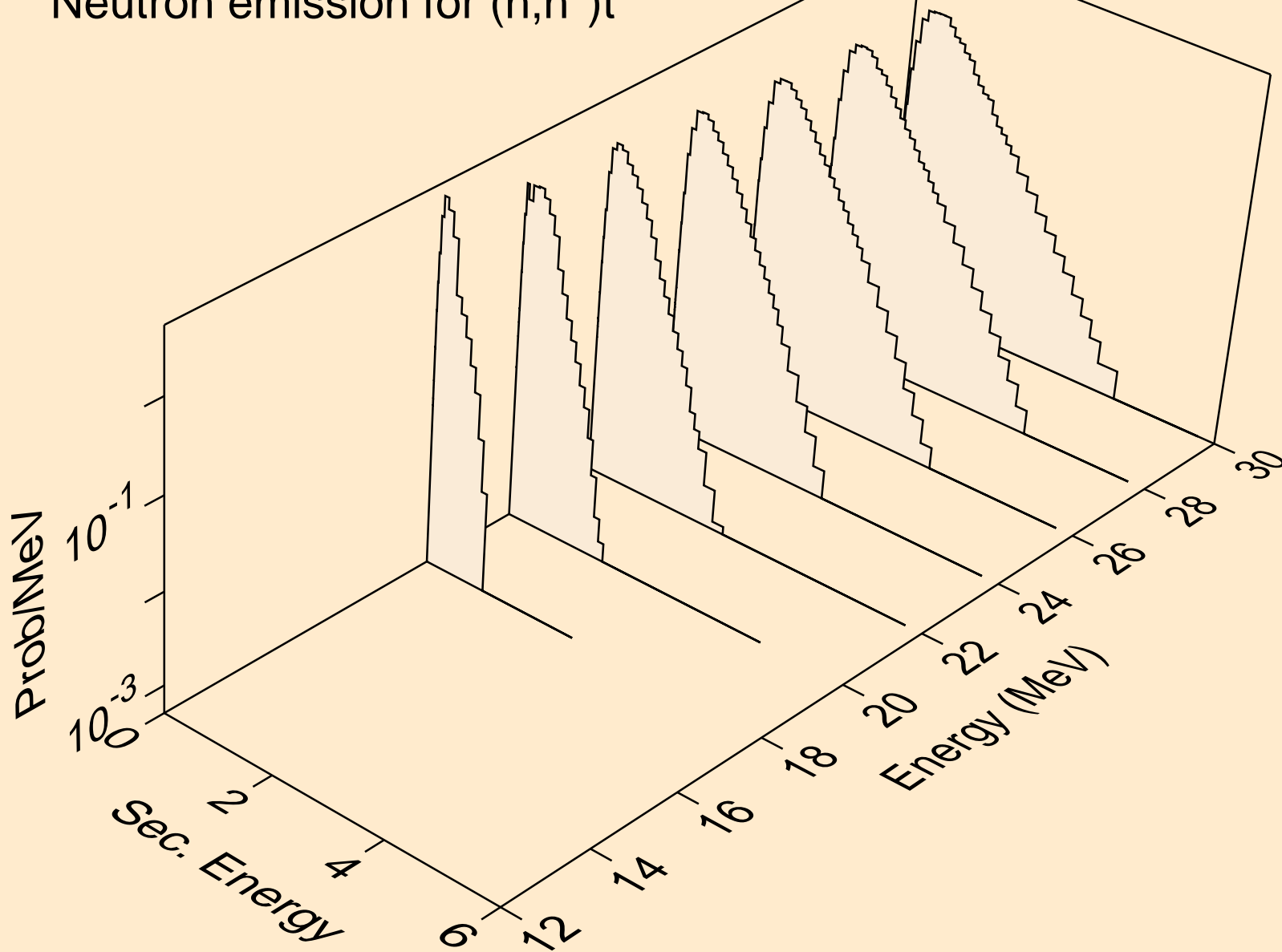




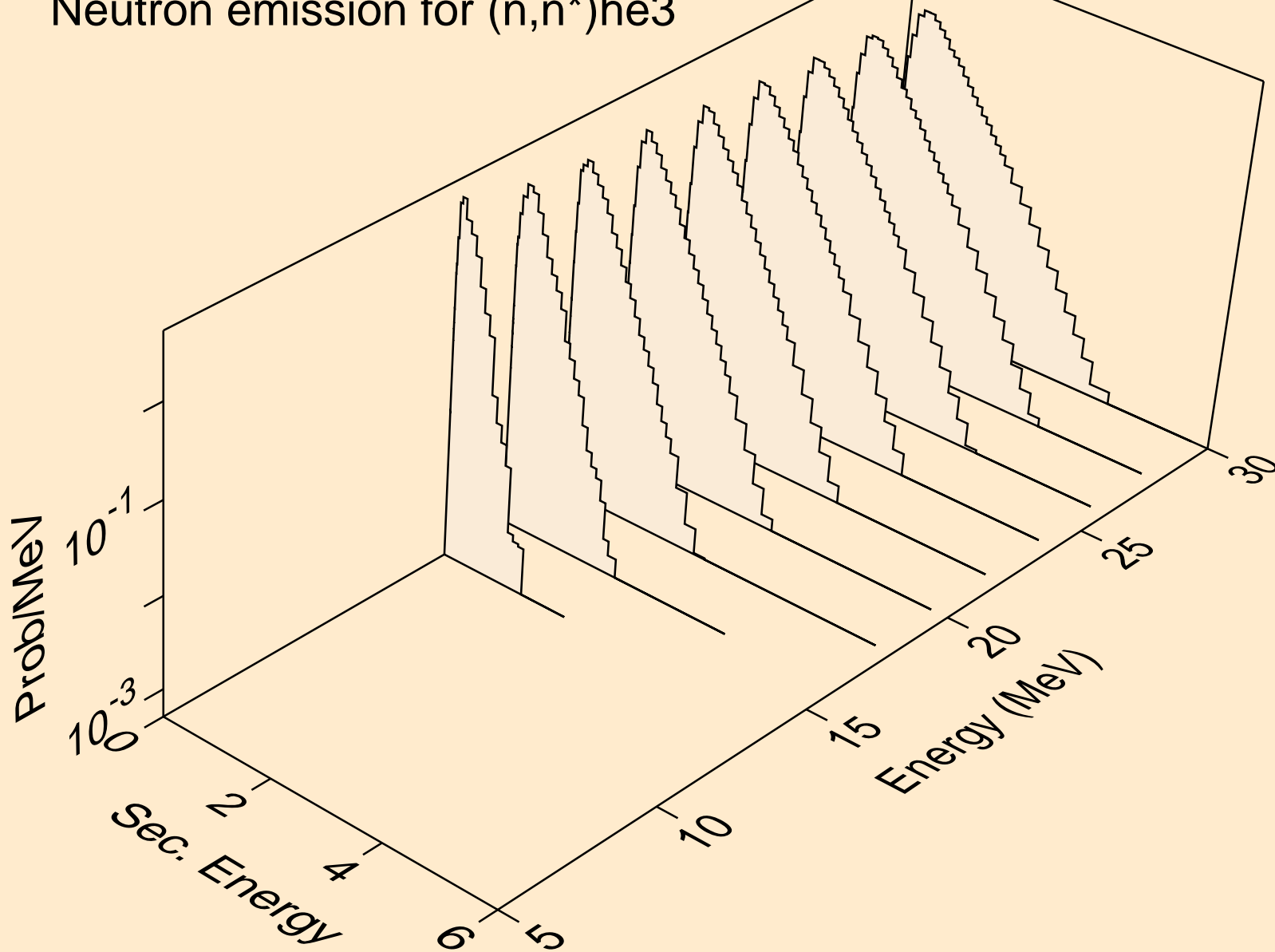
HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)d



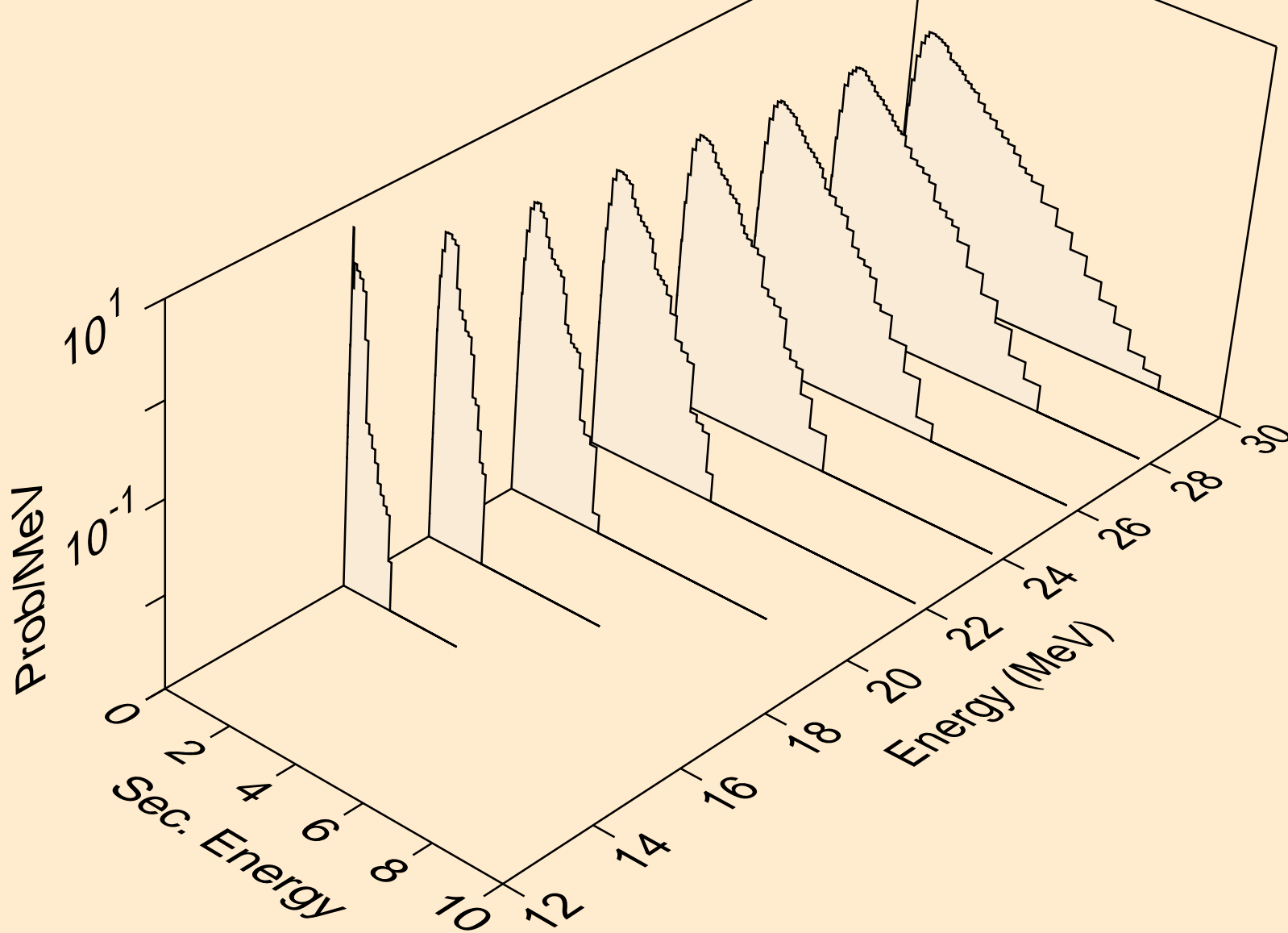
HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)t



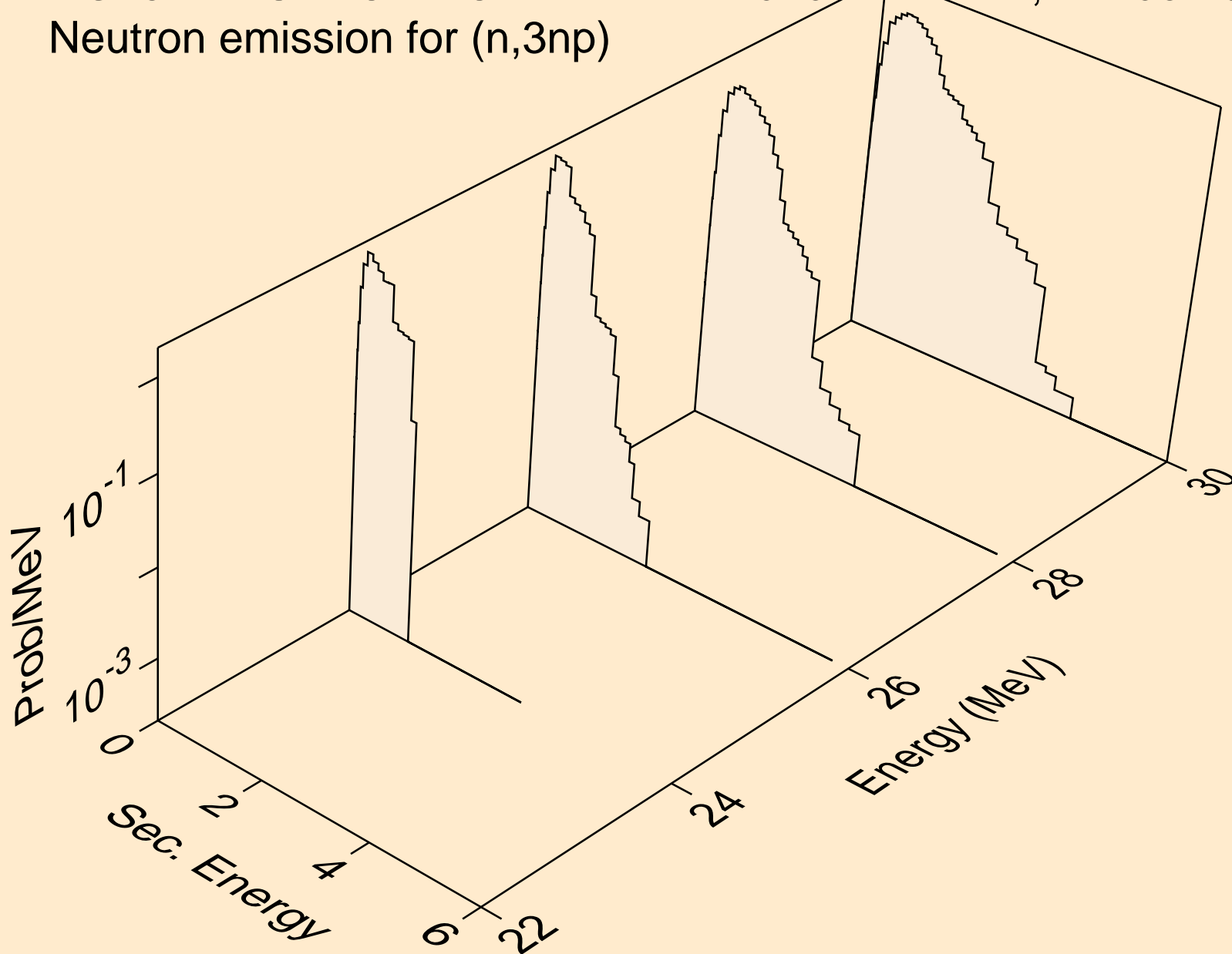
HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)he3



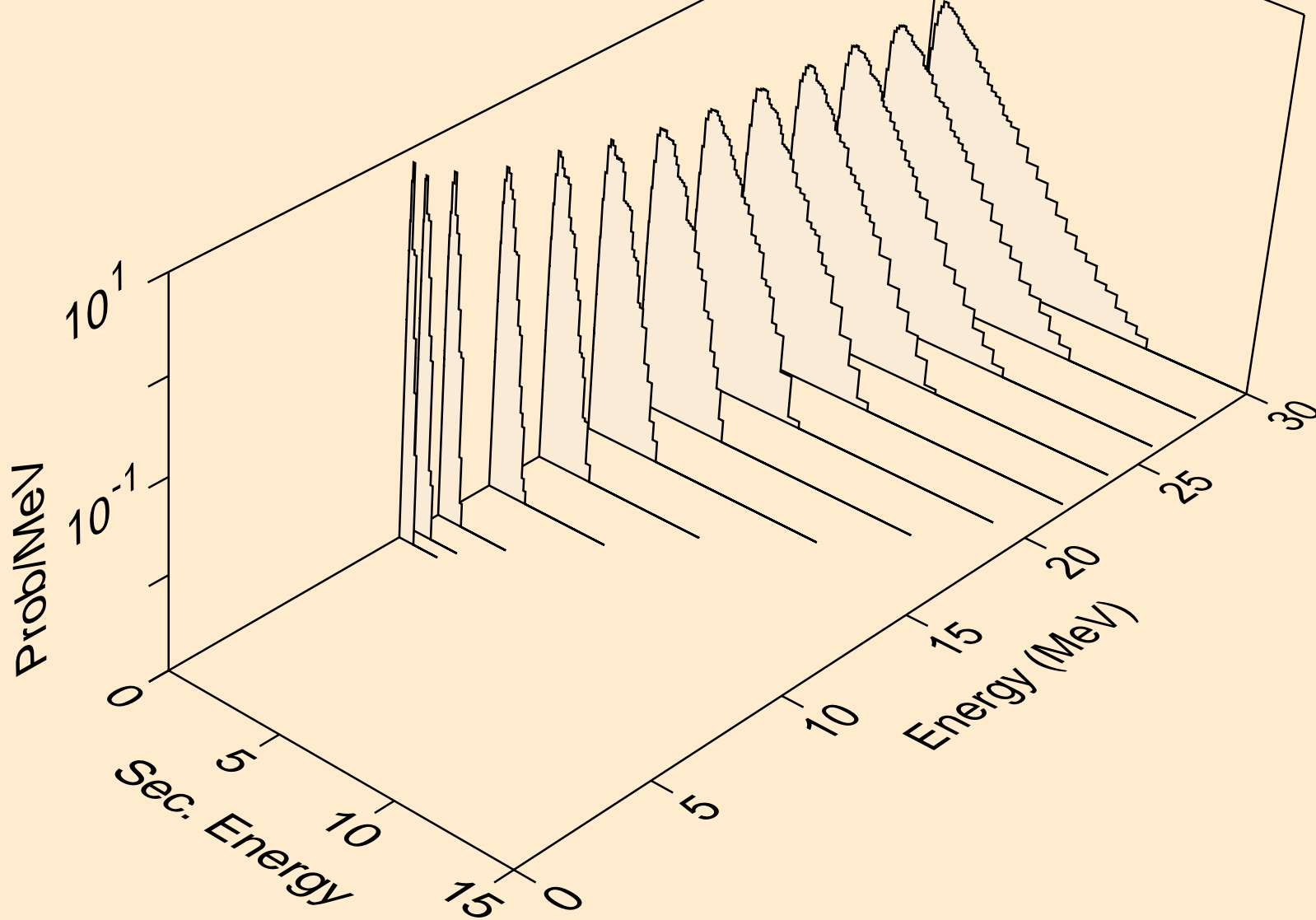
HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2np)



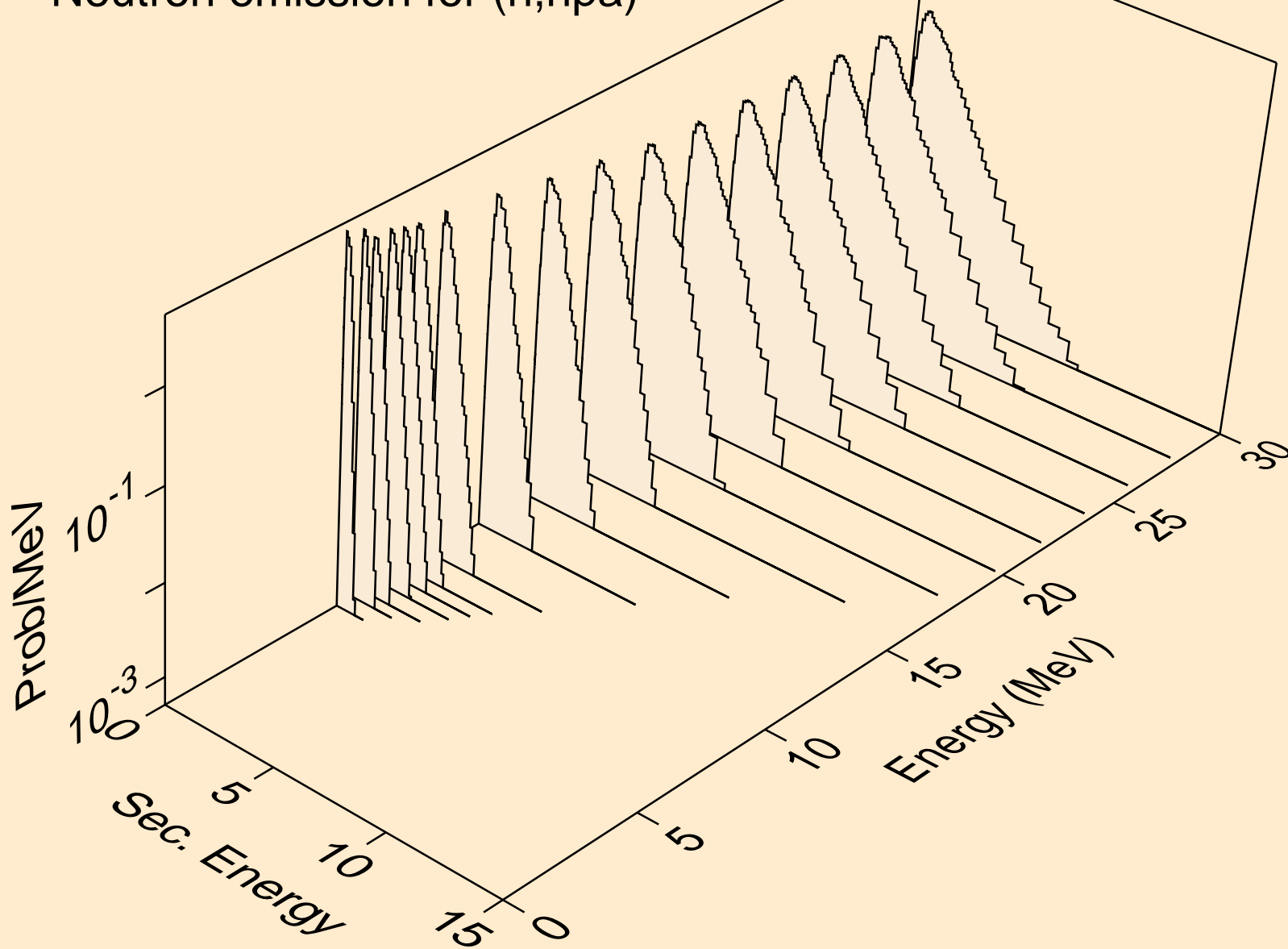
HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3np)



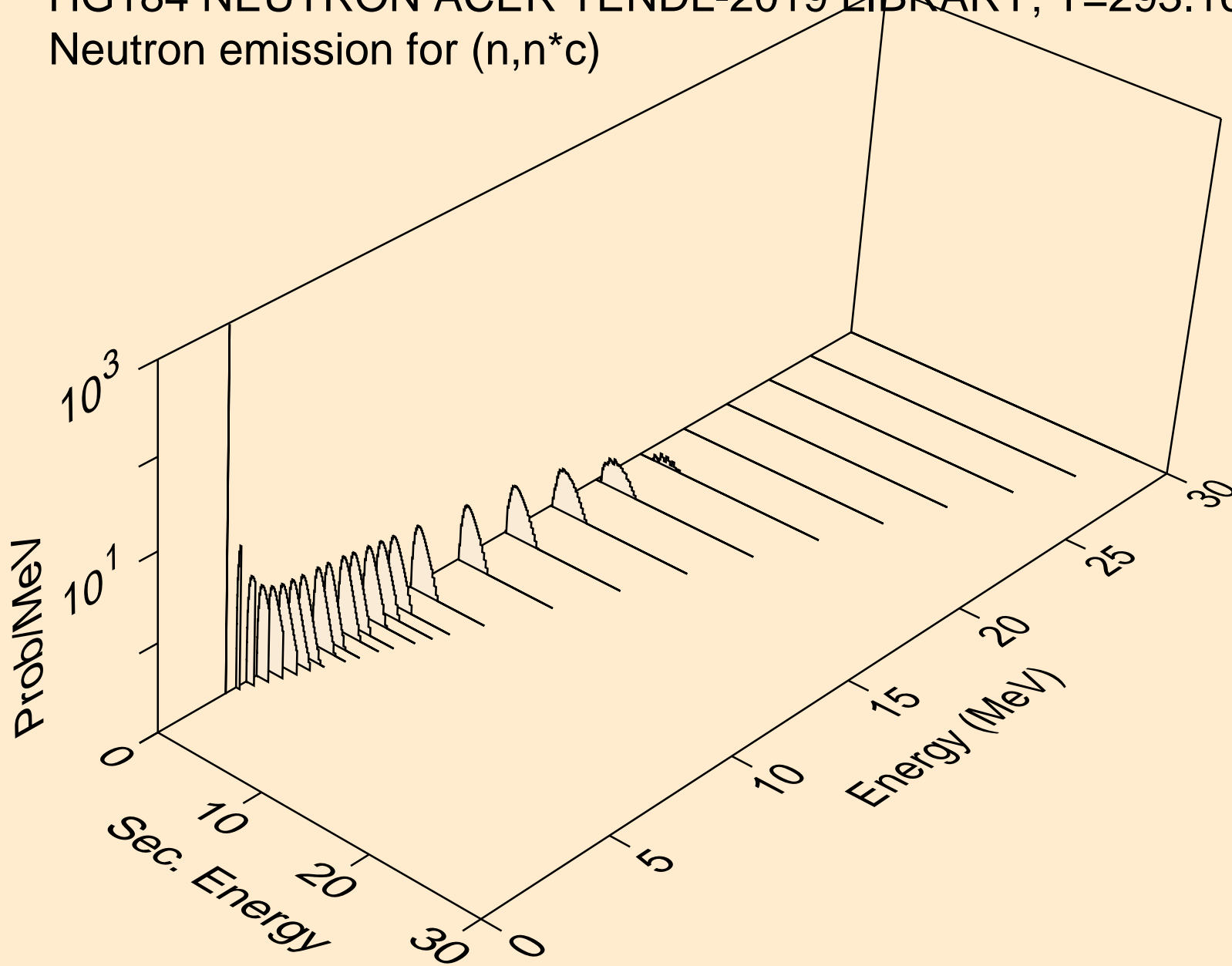
HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2np)



HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,npa)

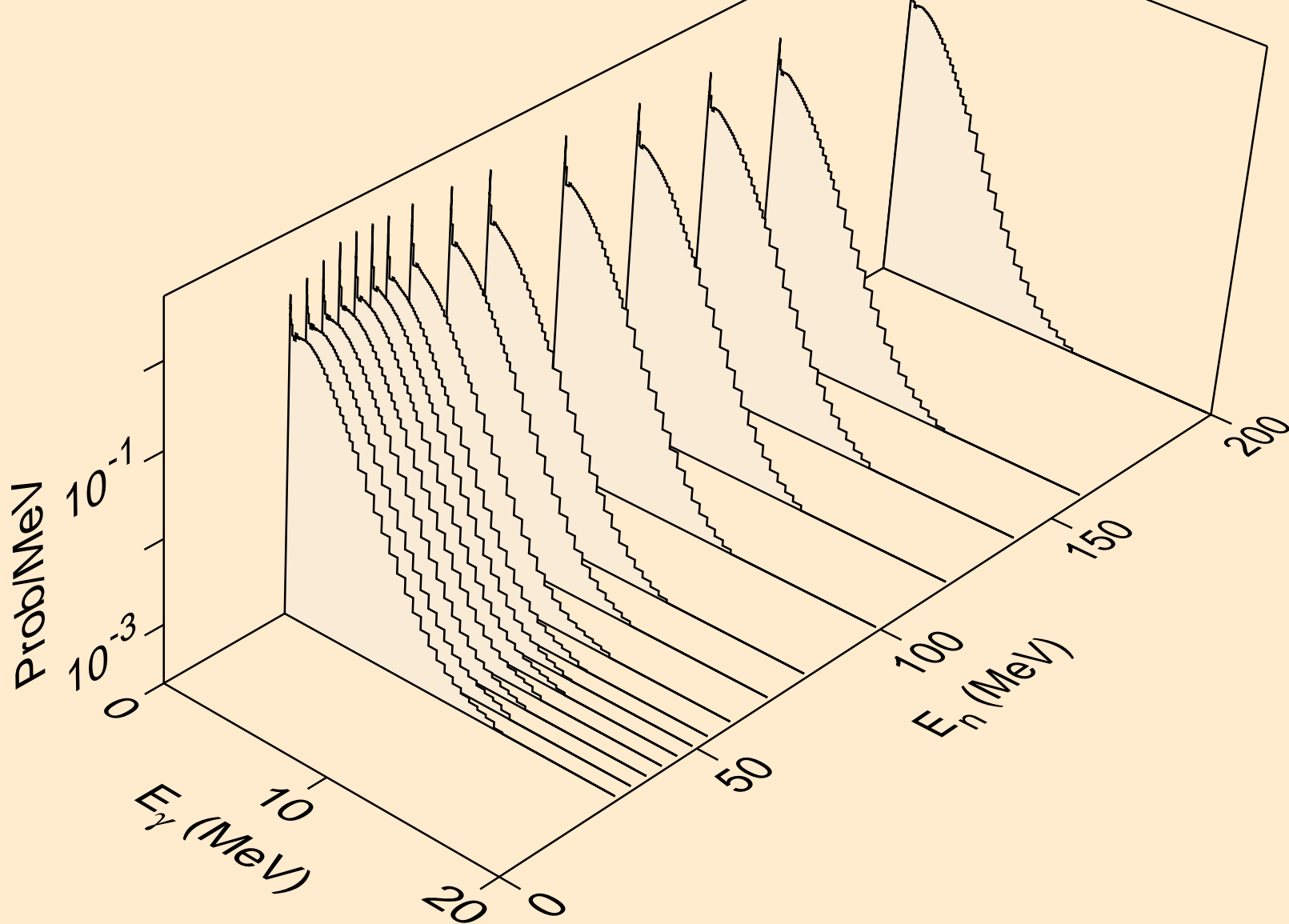


HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*c)

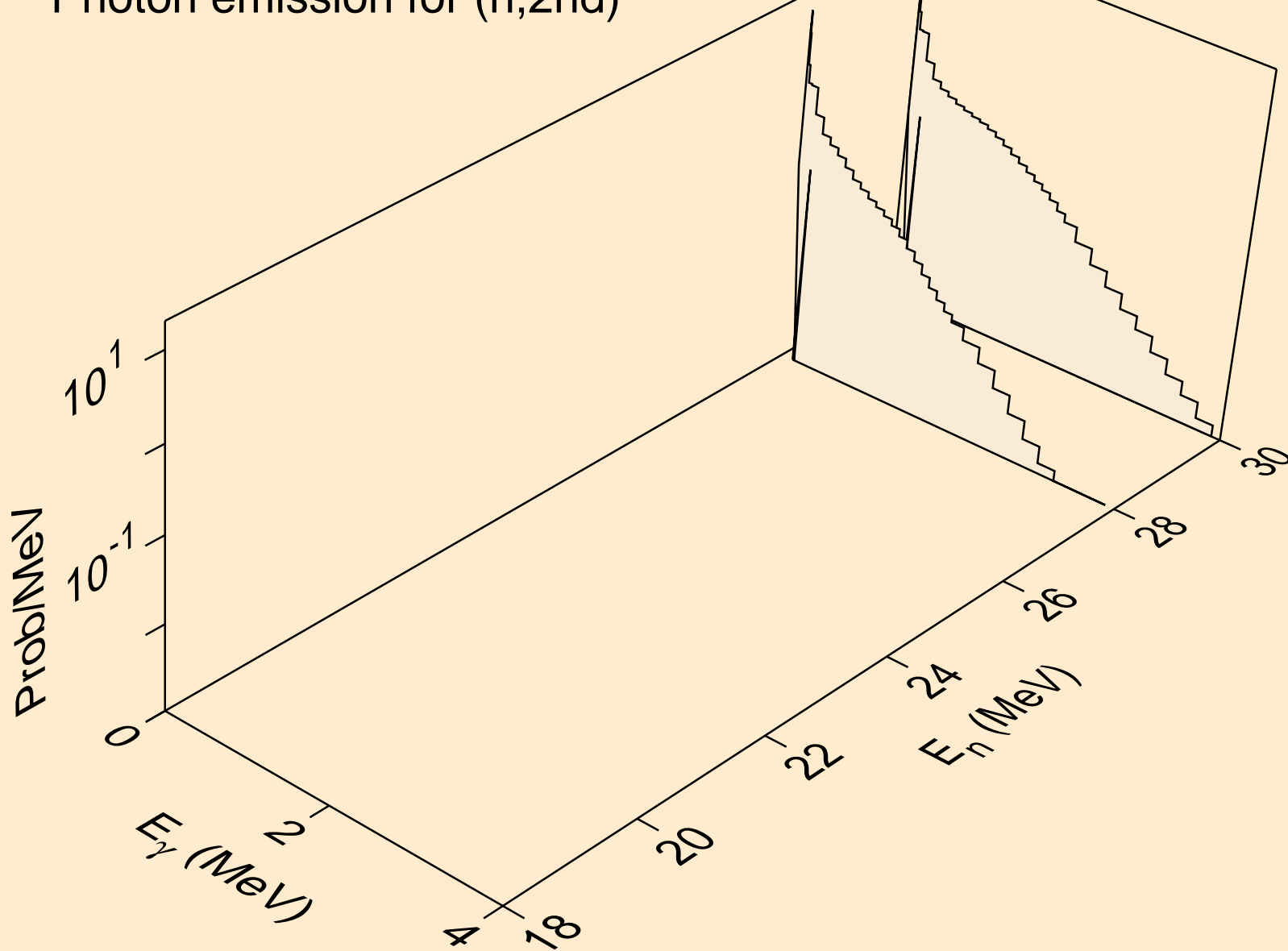




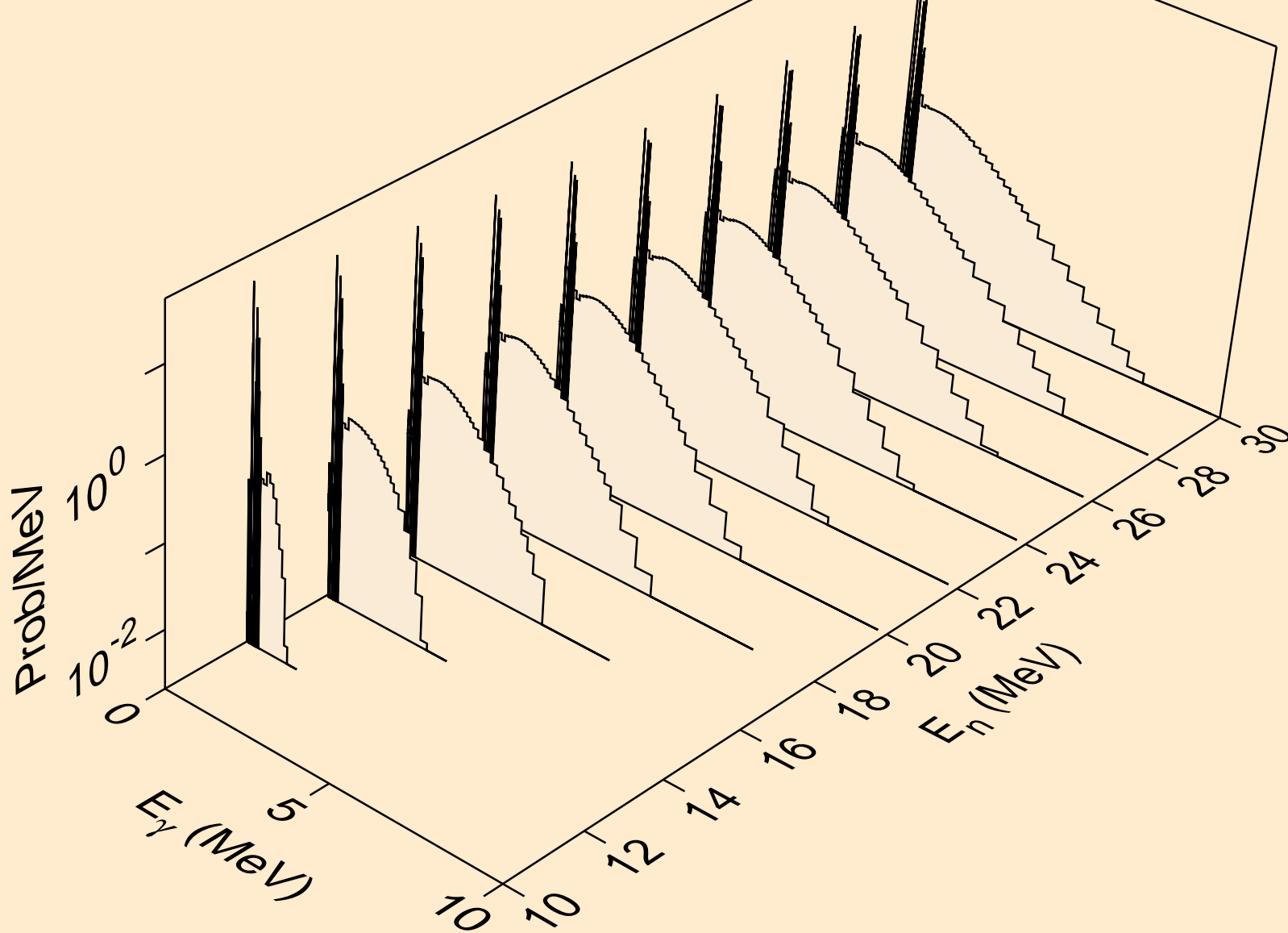
HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,x)



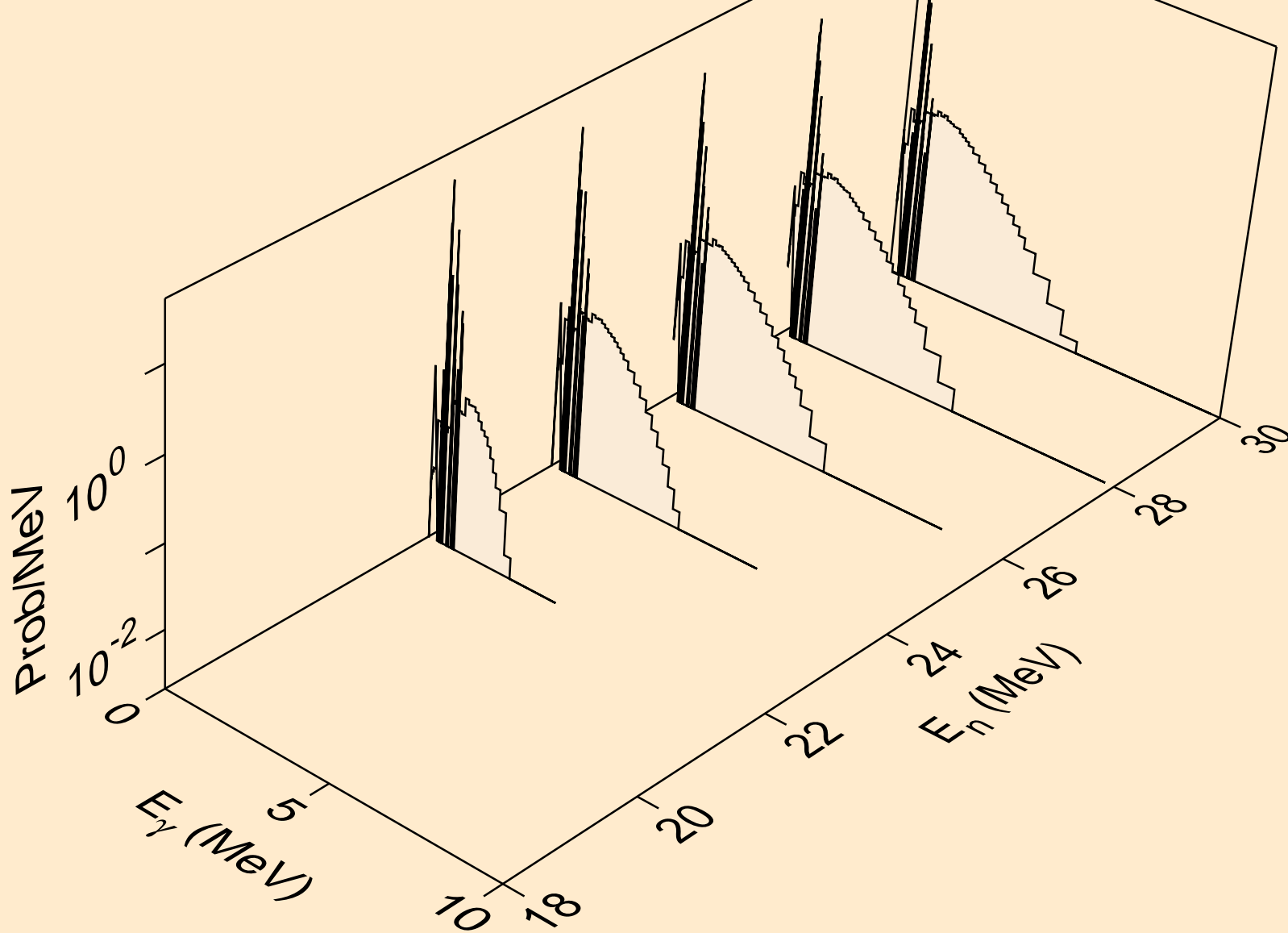
HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2nd)



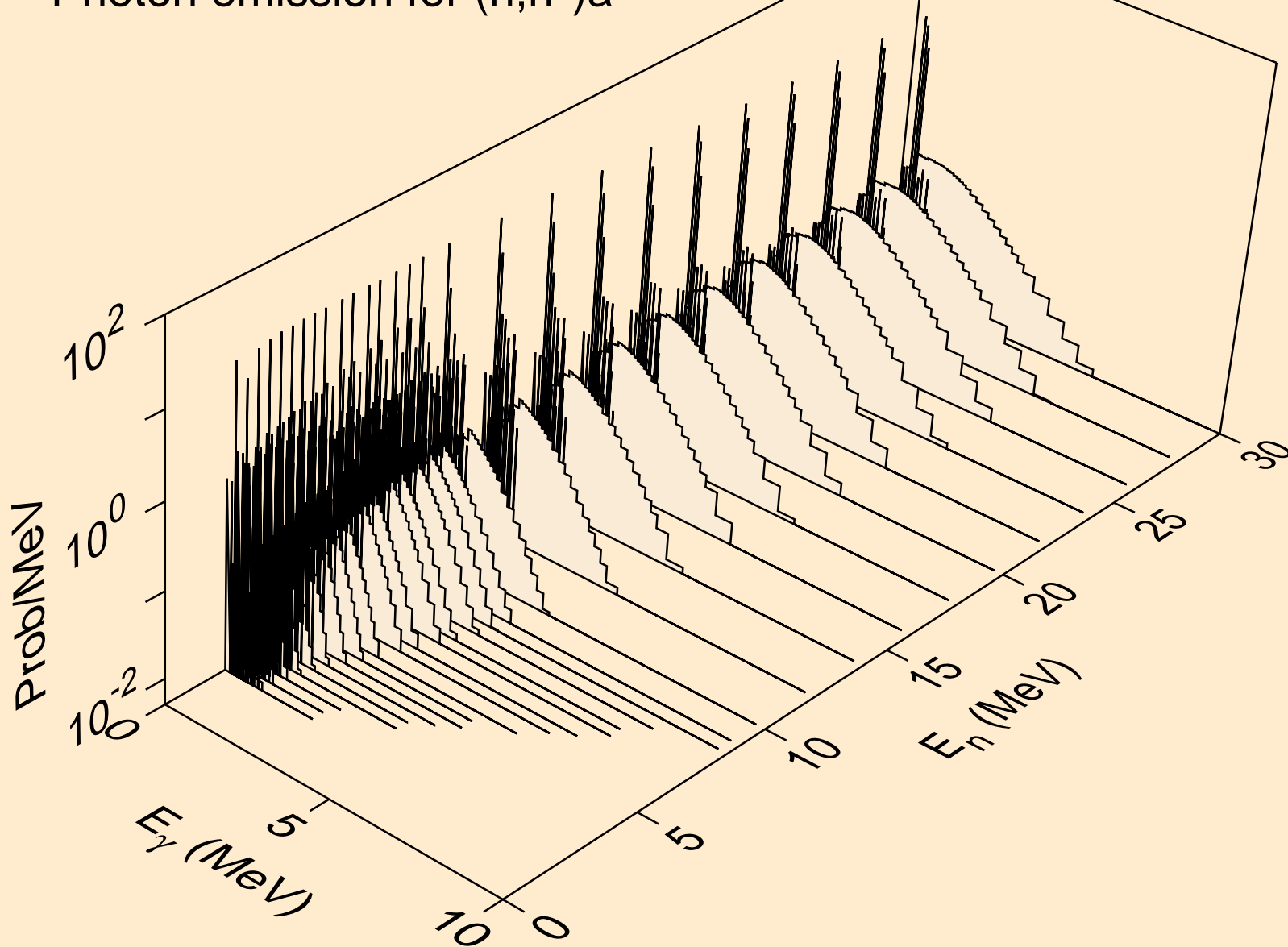
HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n)



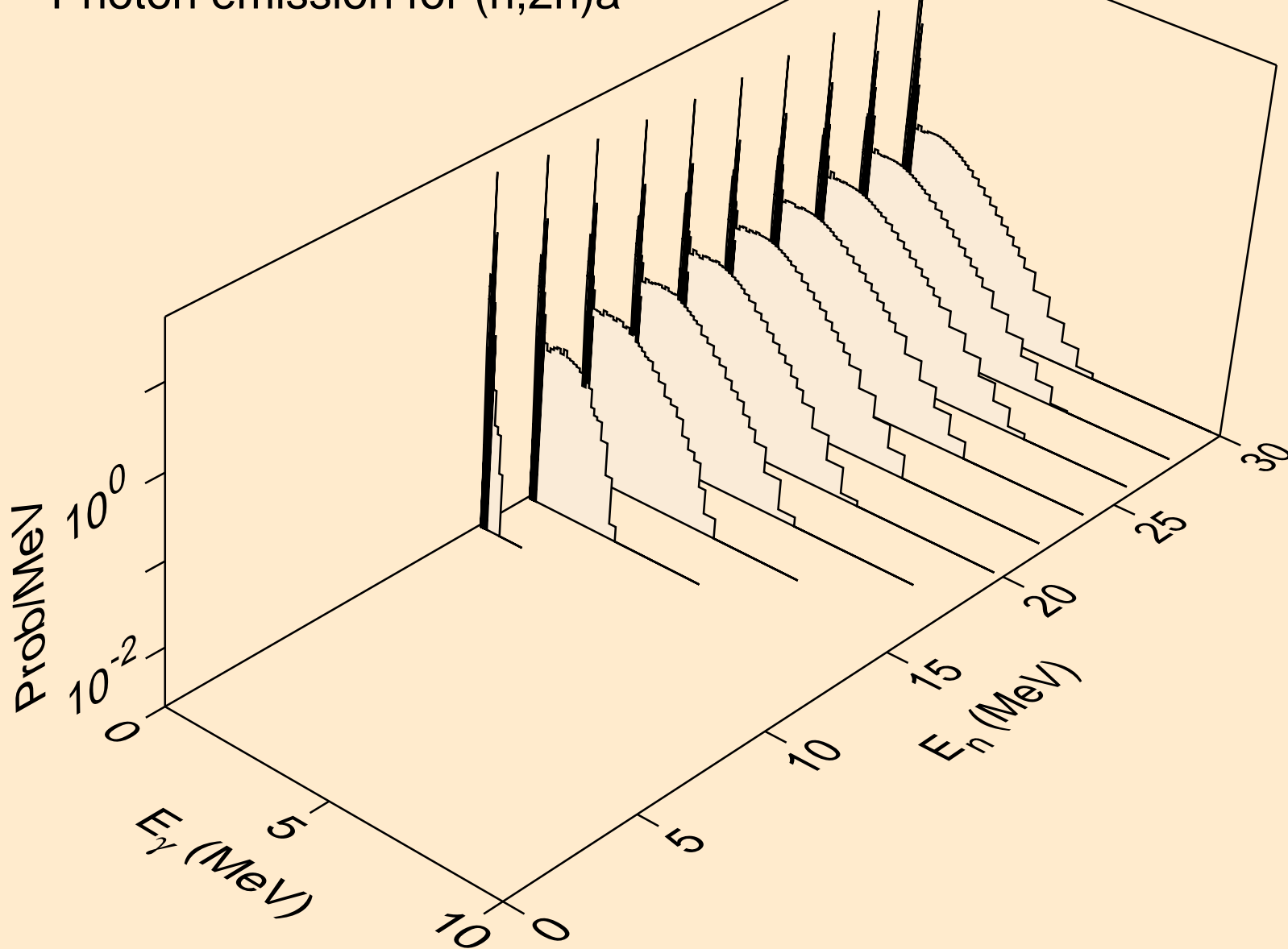
HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3n)



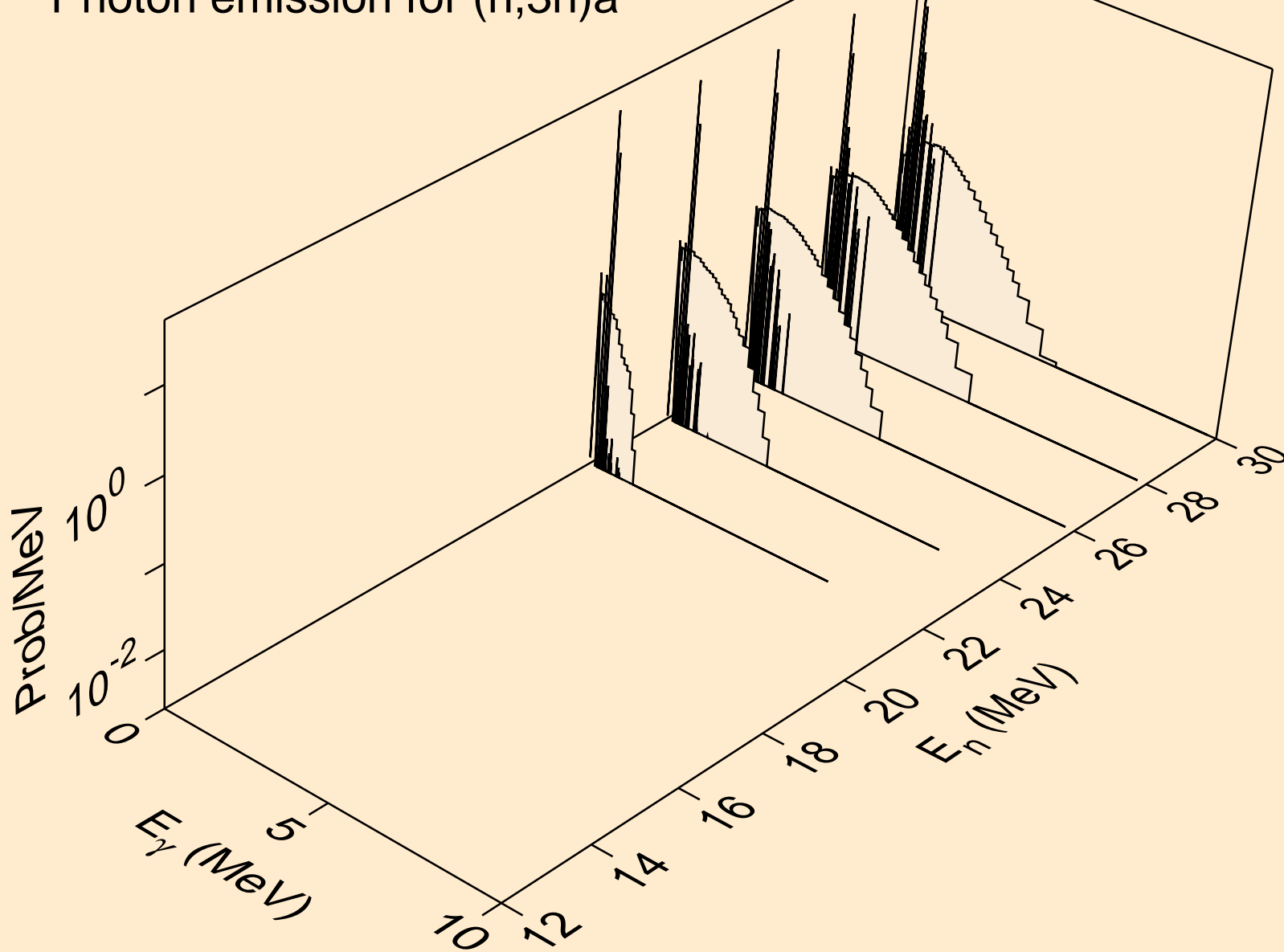
HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)a



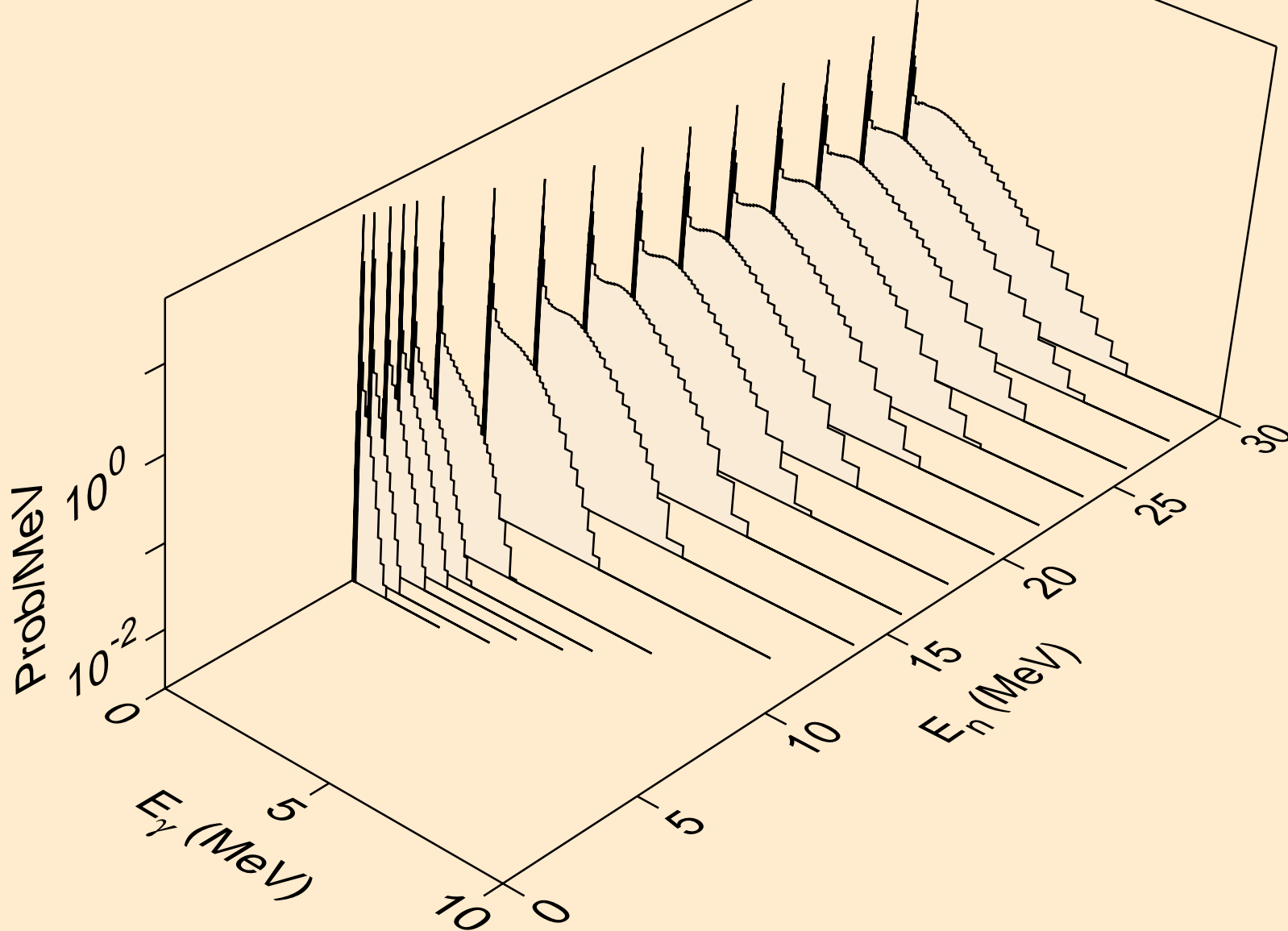
HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n)a



HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3n)a

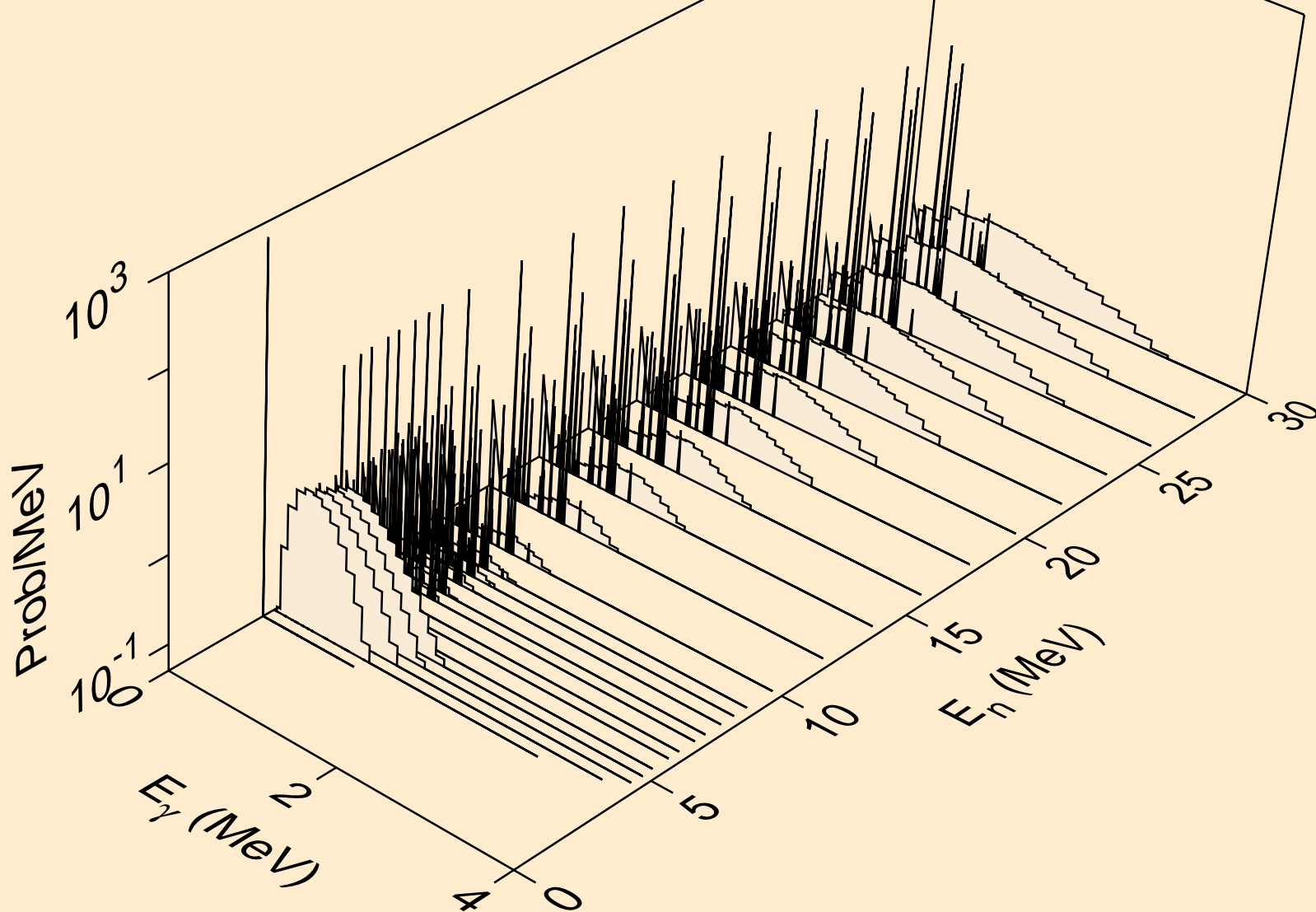


HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)p

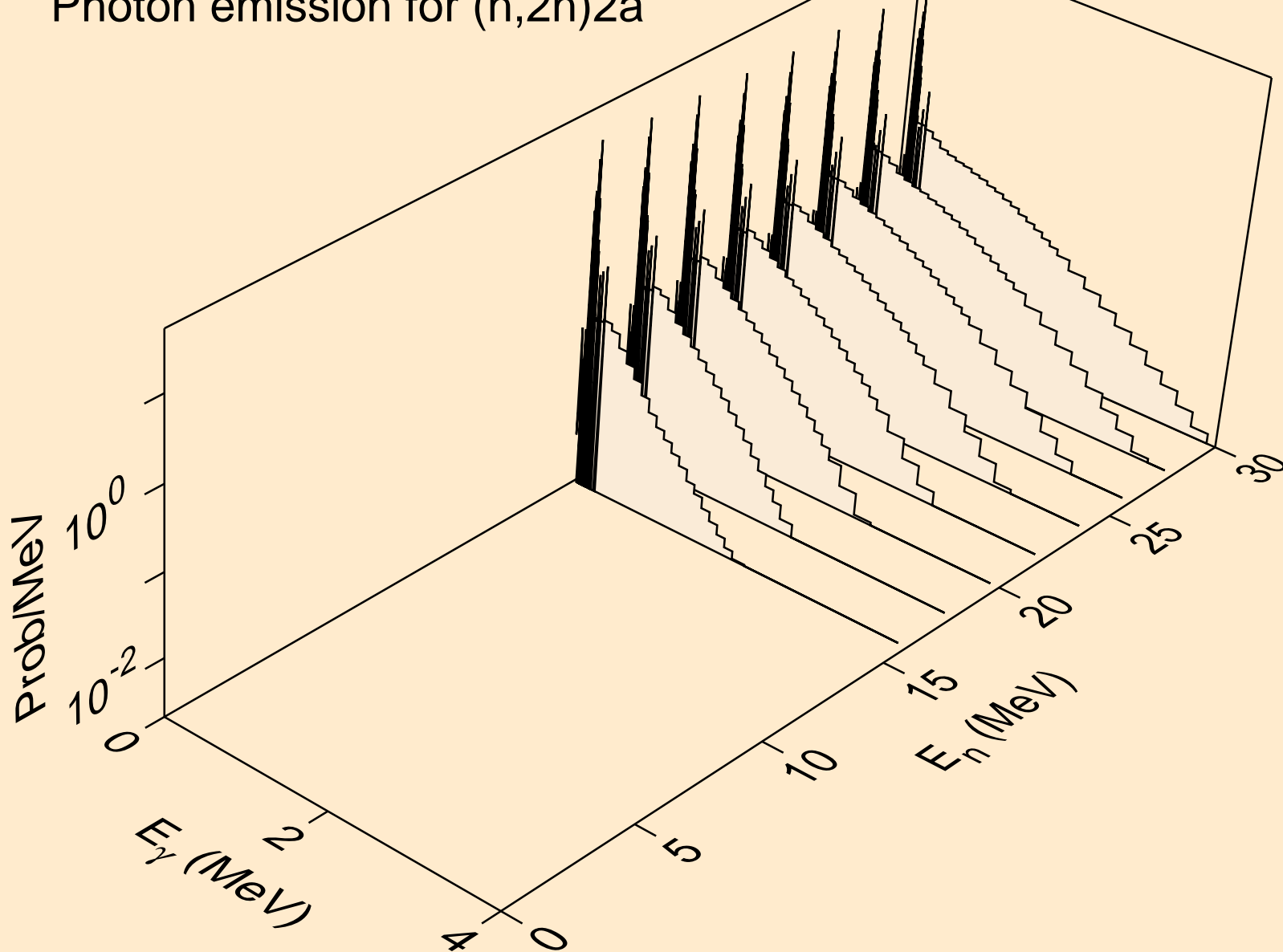




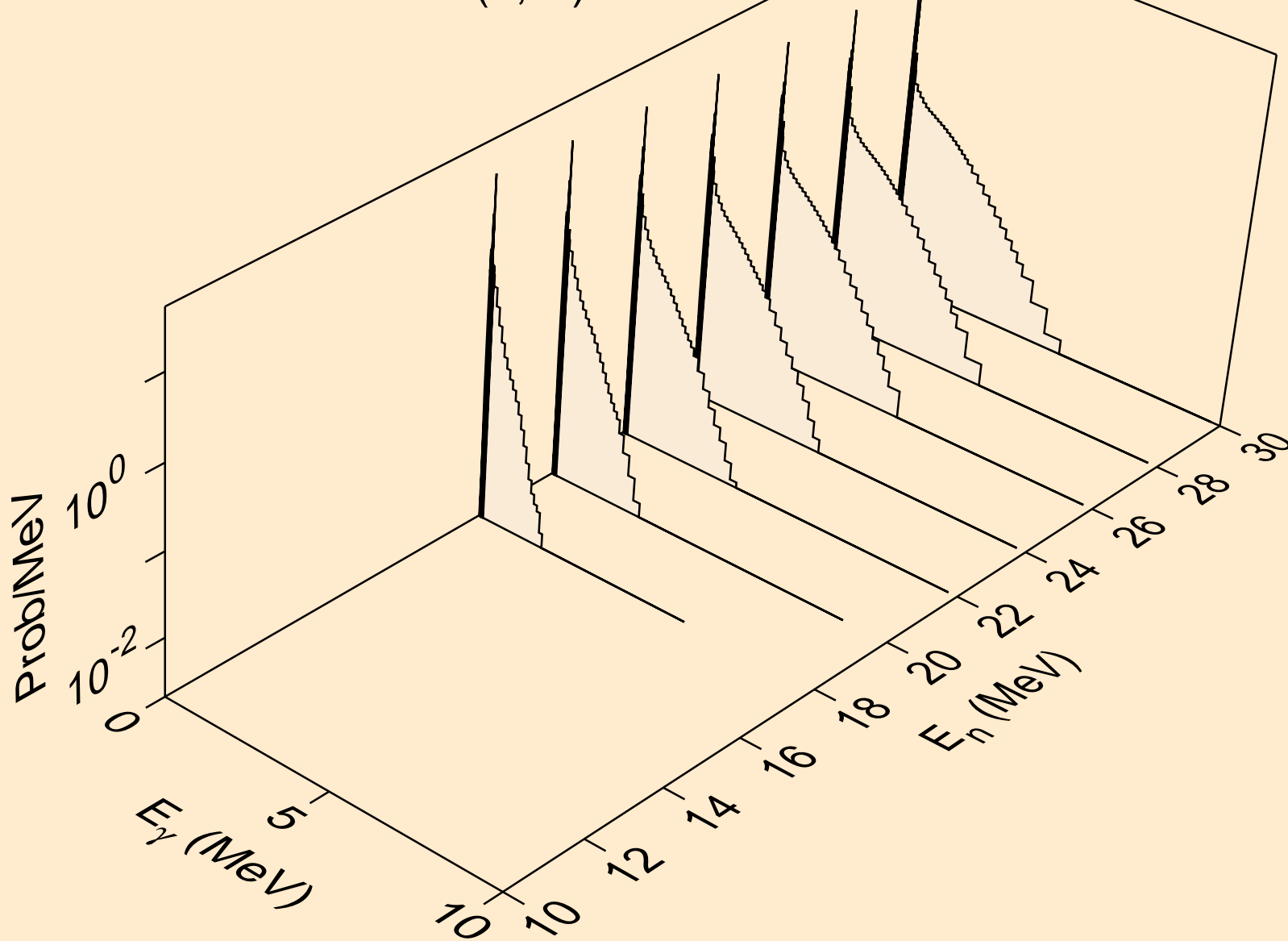
HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)2a



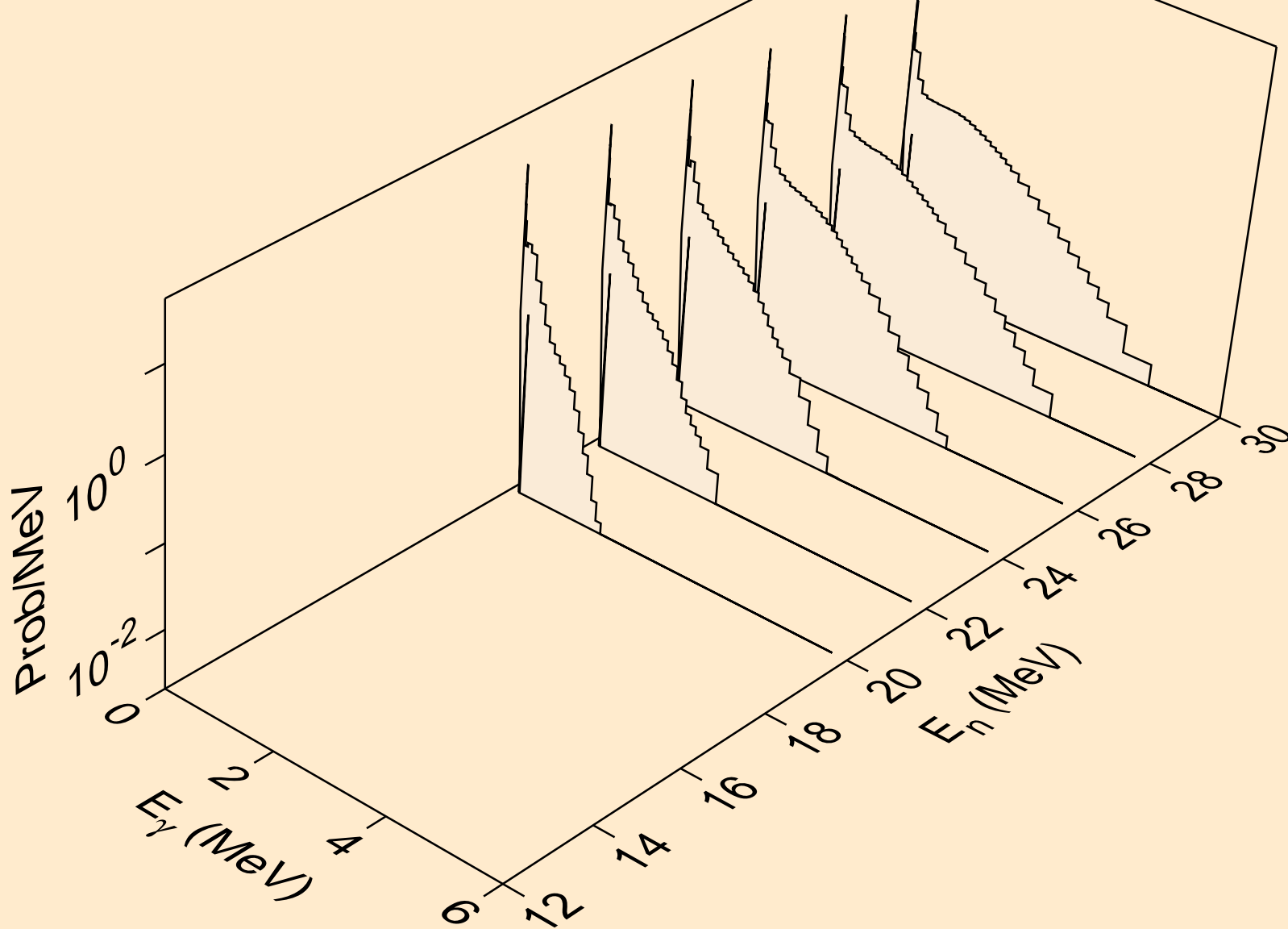
HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n)2a



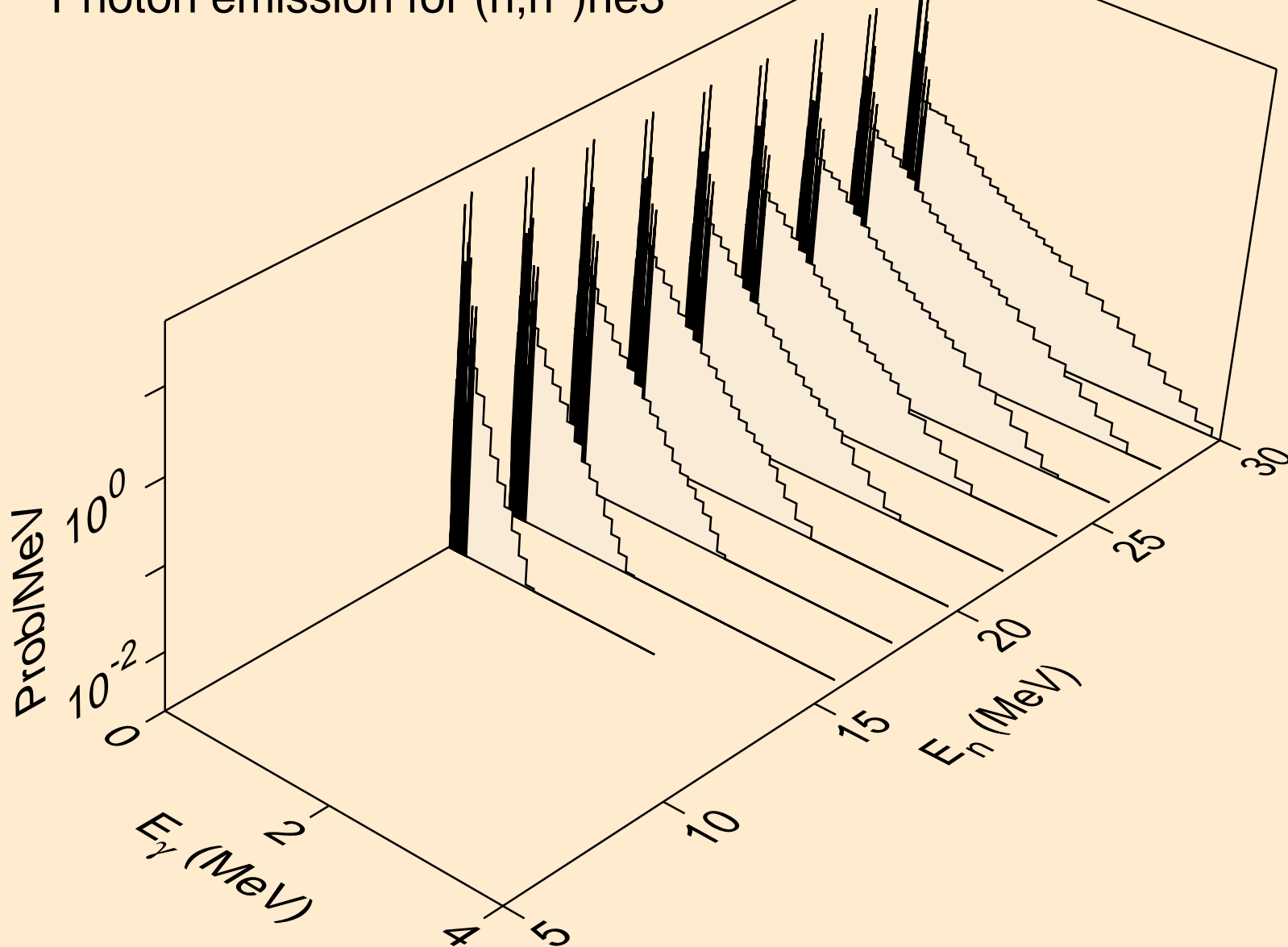
HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)d



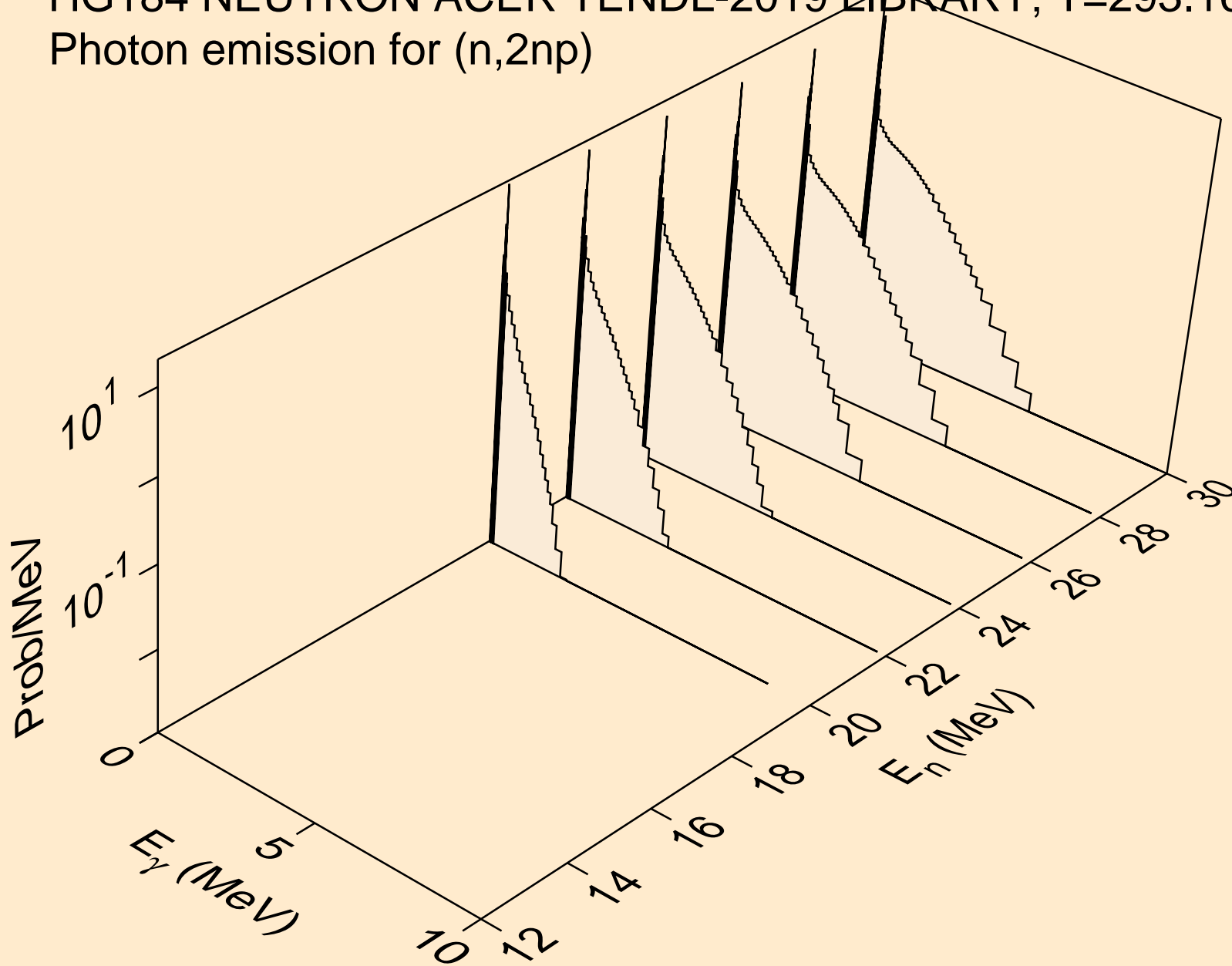
HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)t



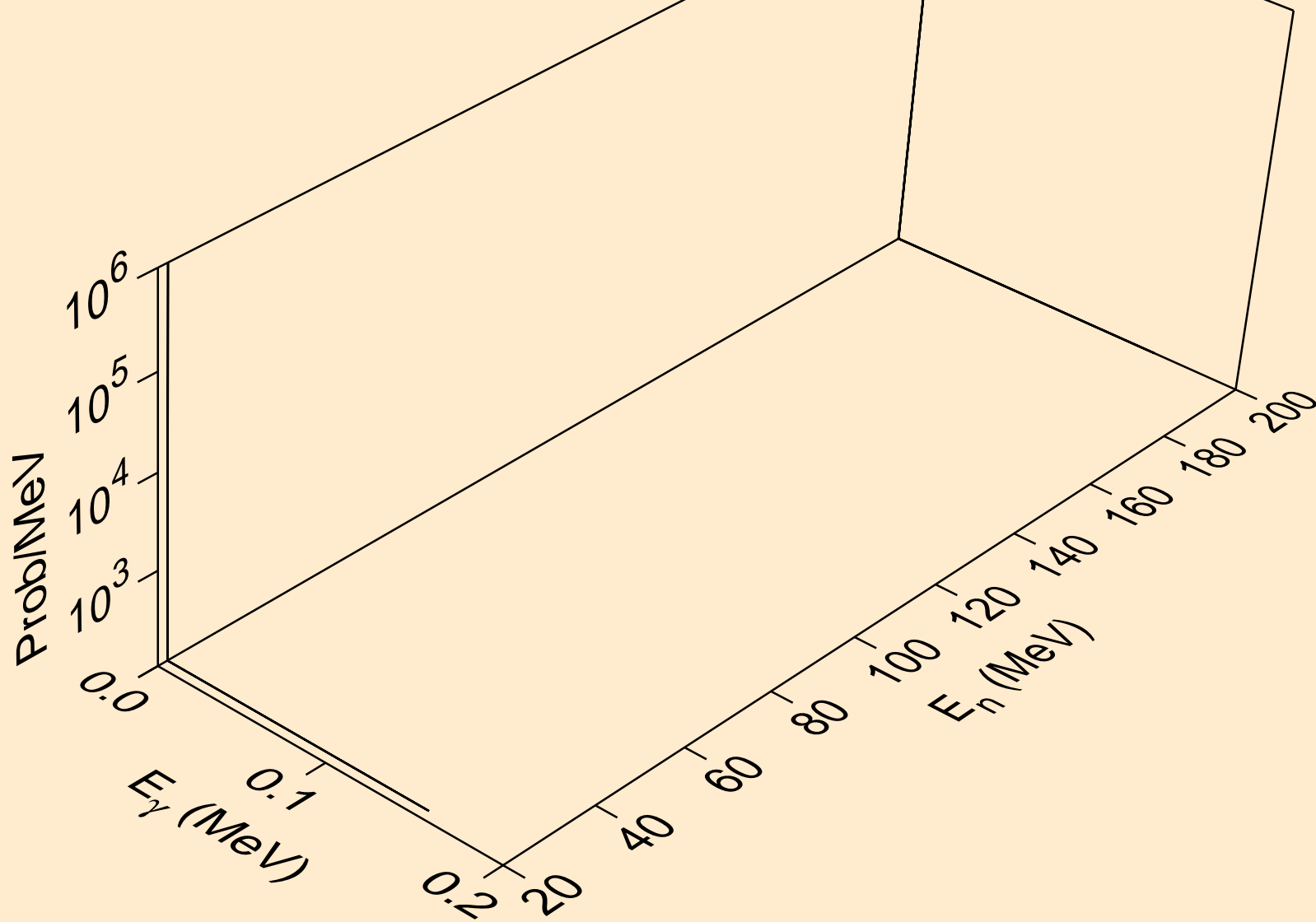
HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)he3



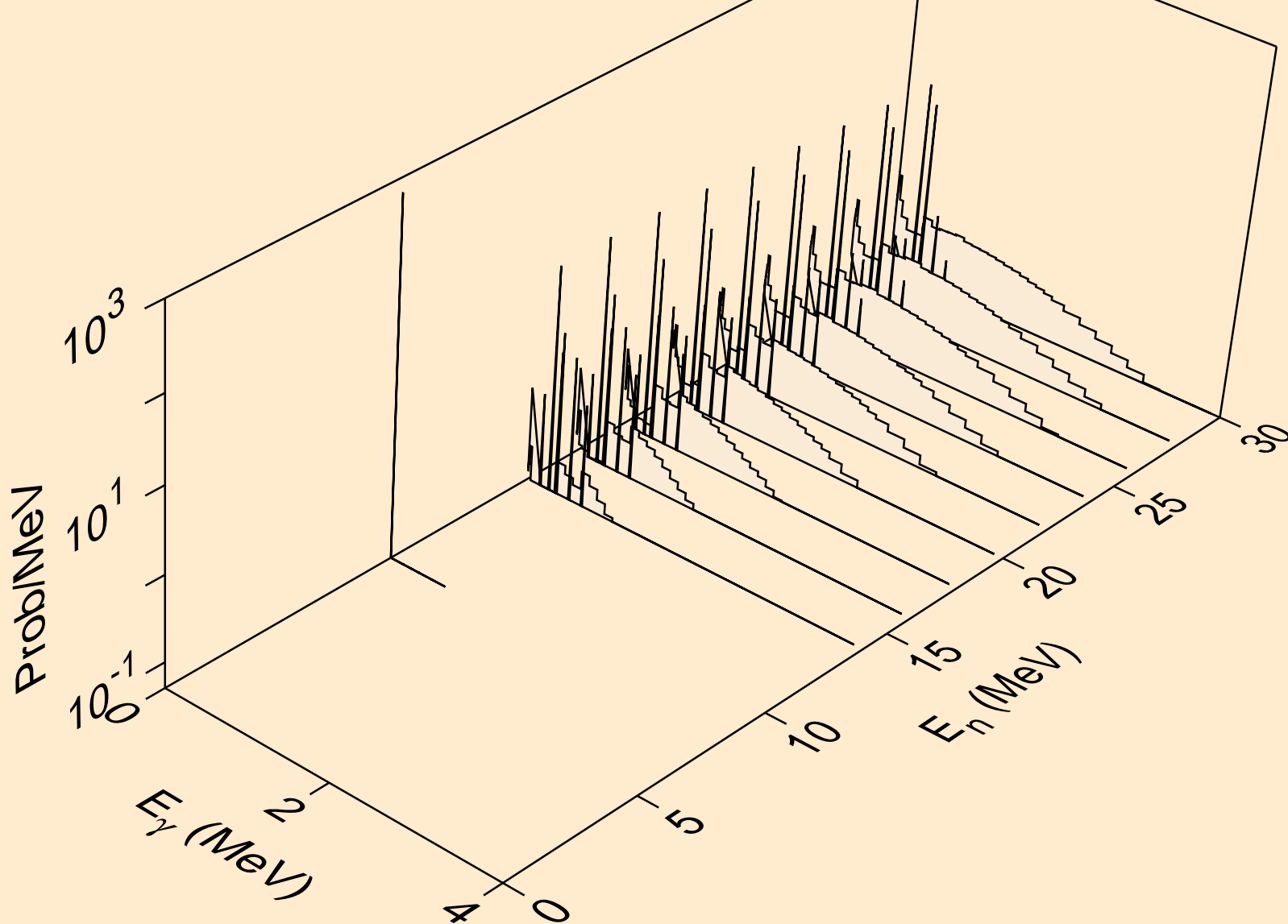
HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2np)



HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3np)

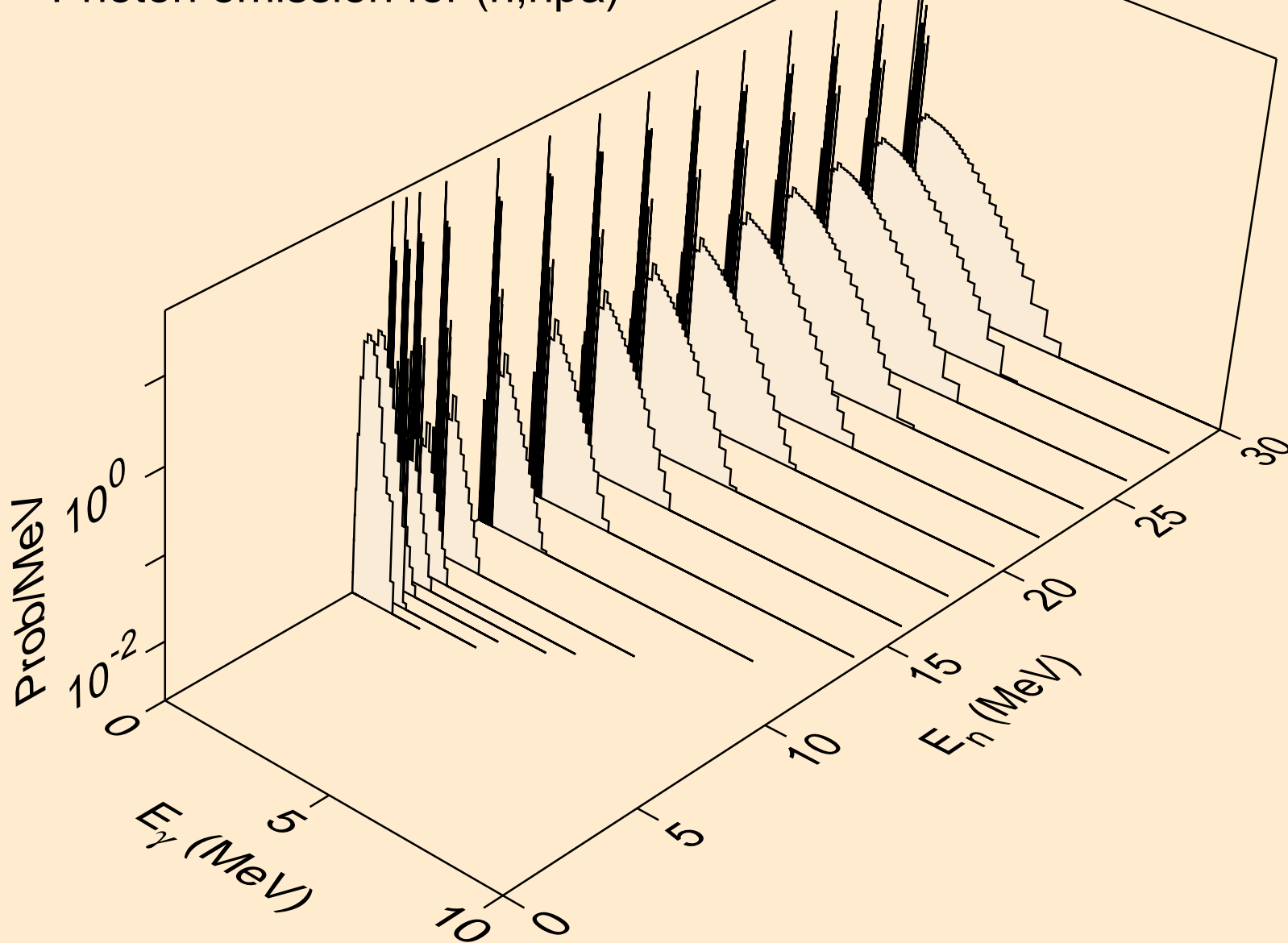


HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2np)

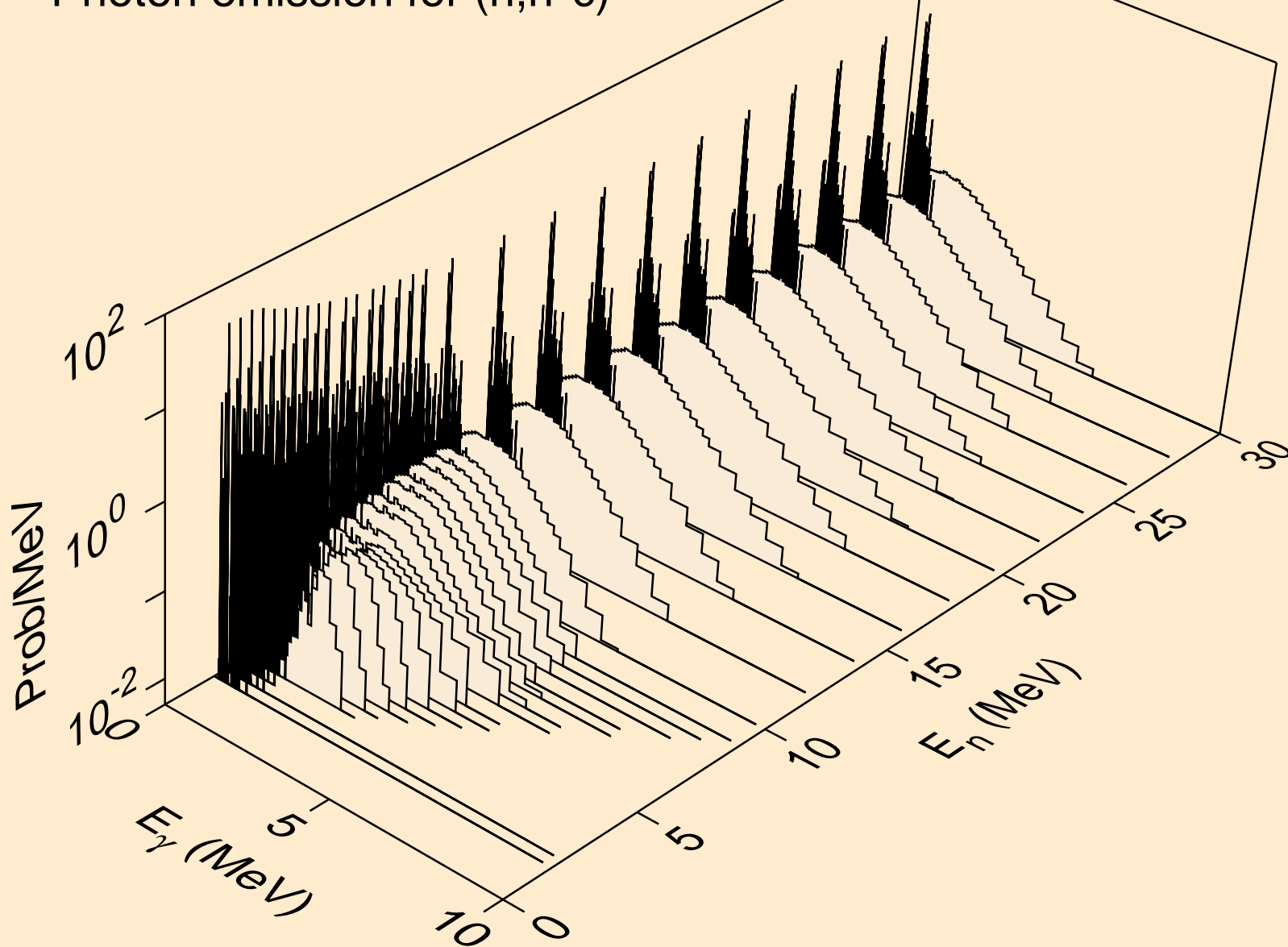




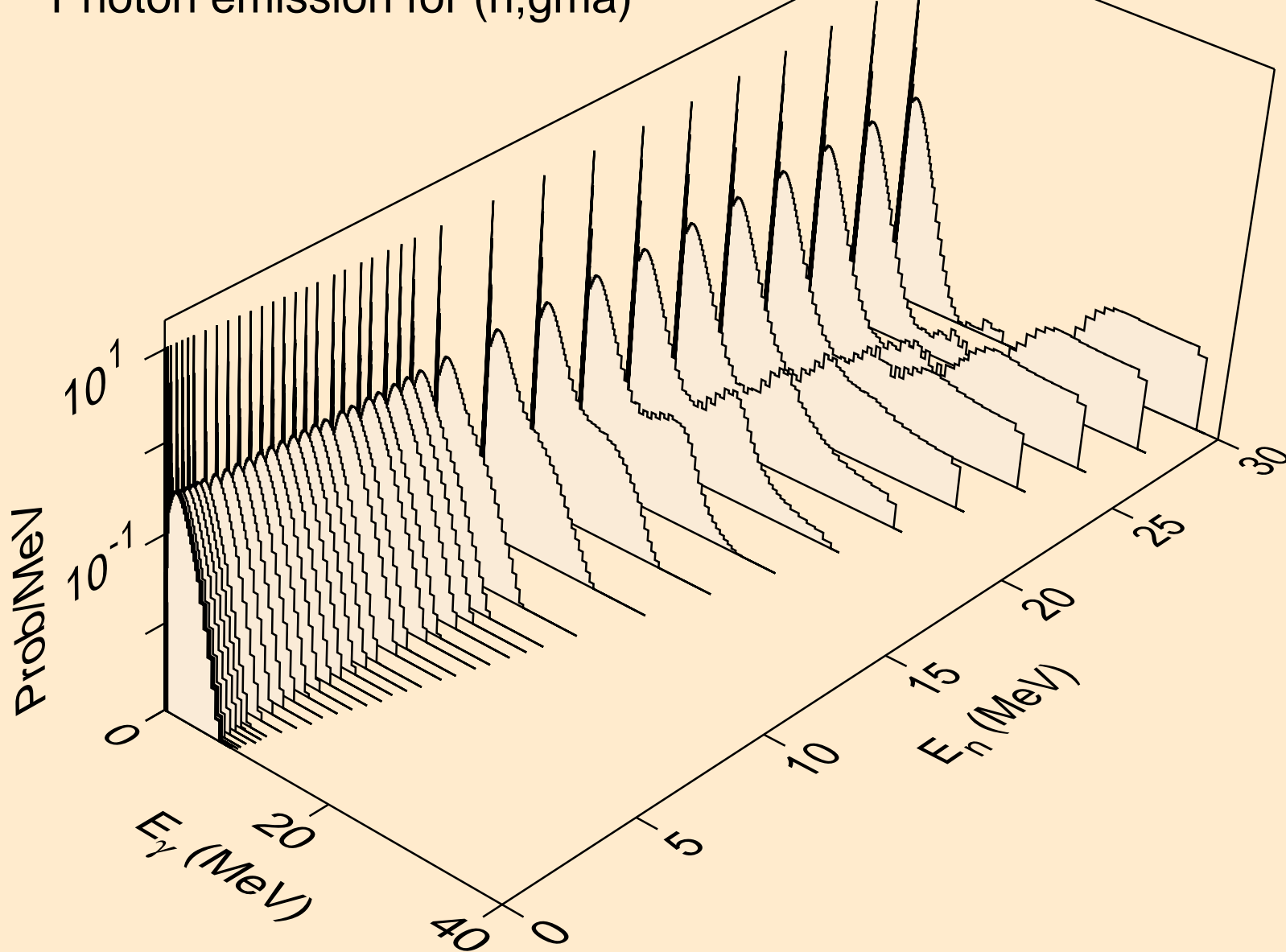
HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,npa)



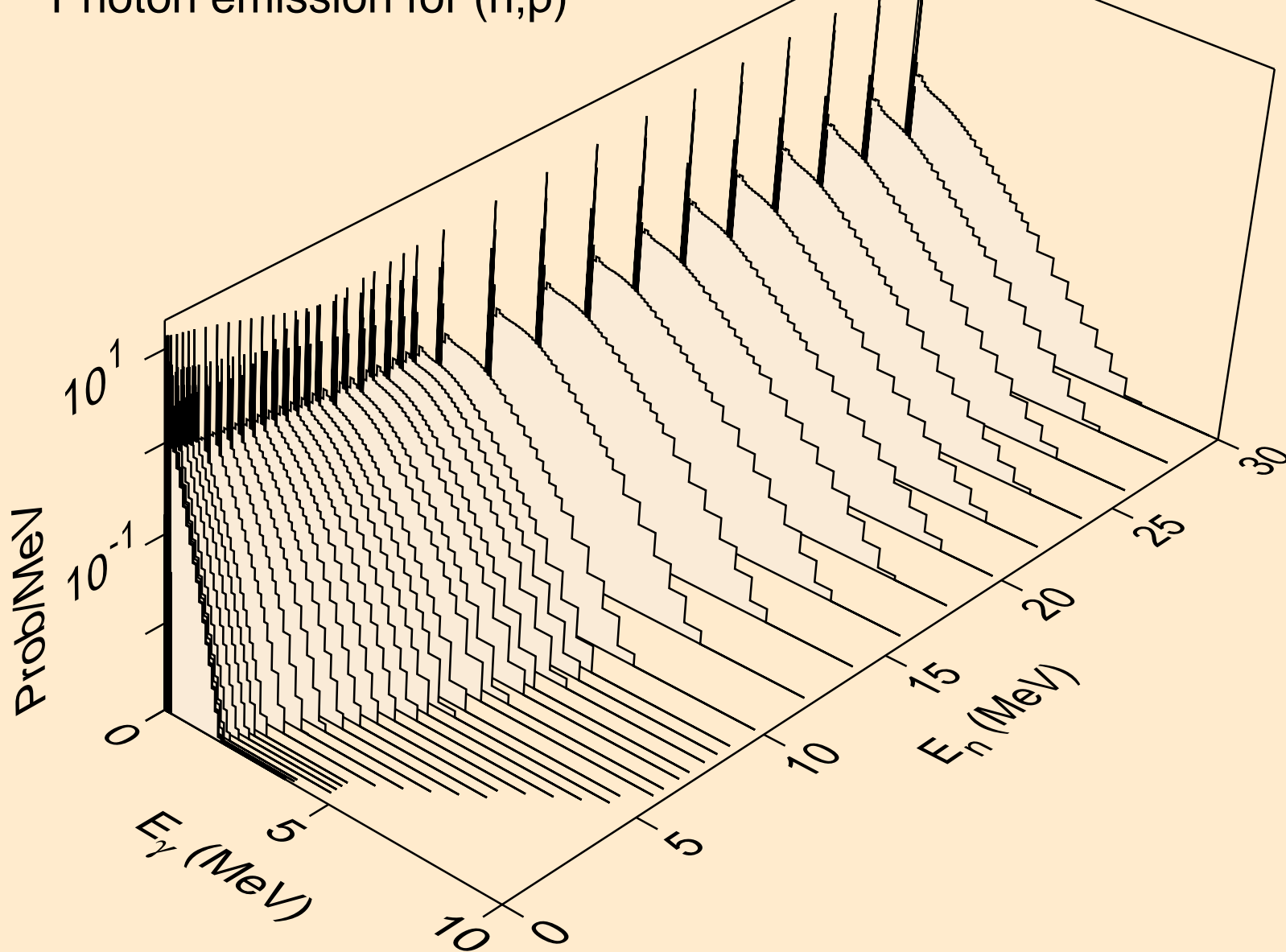
HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*c)



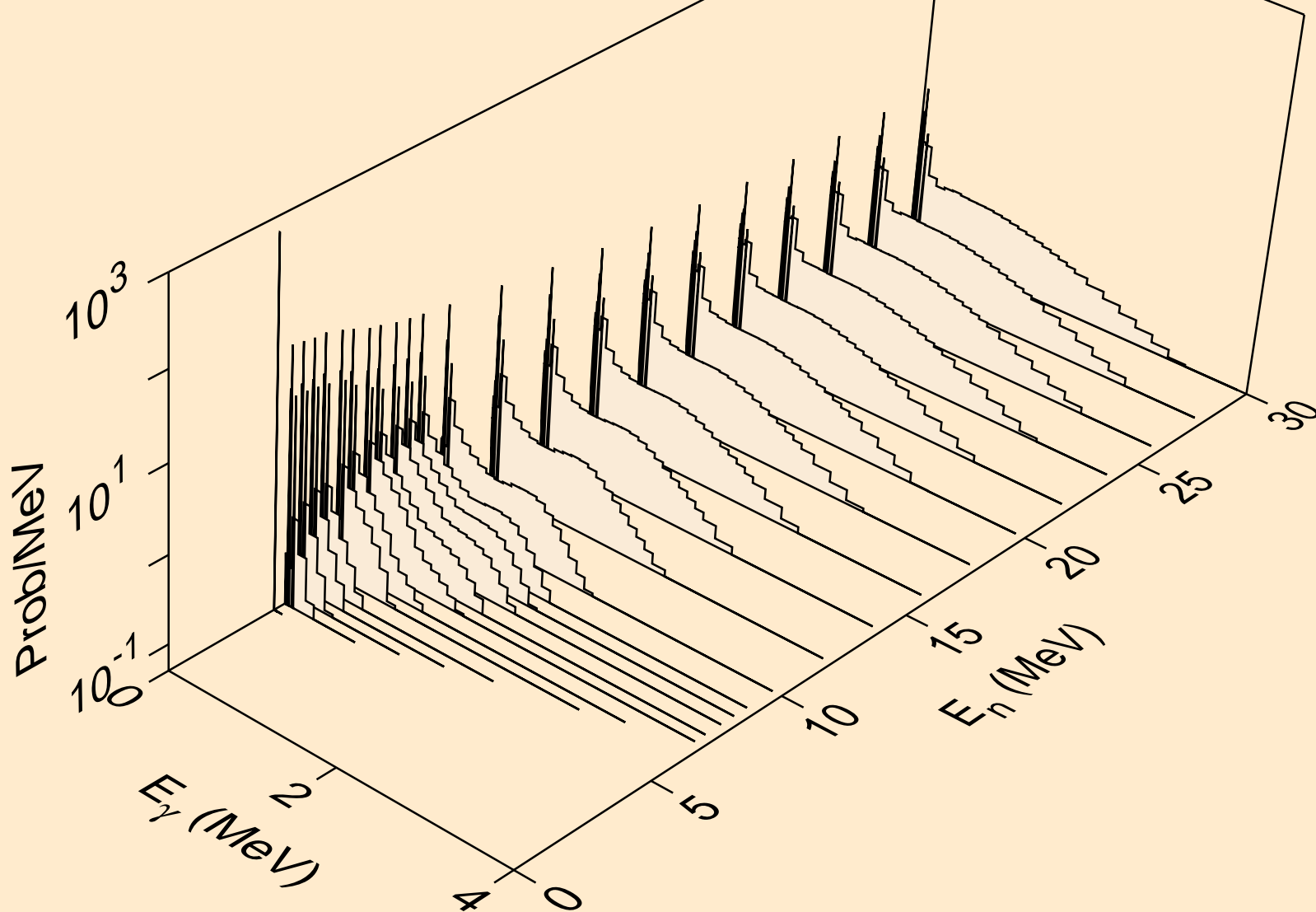
HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,gma)



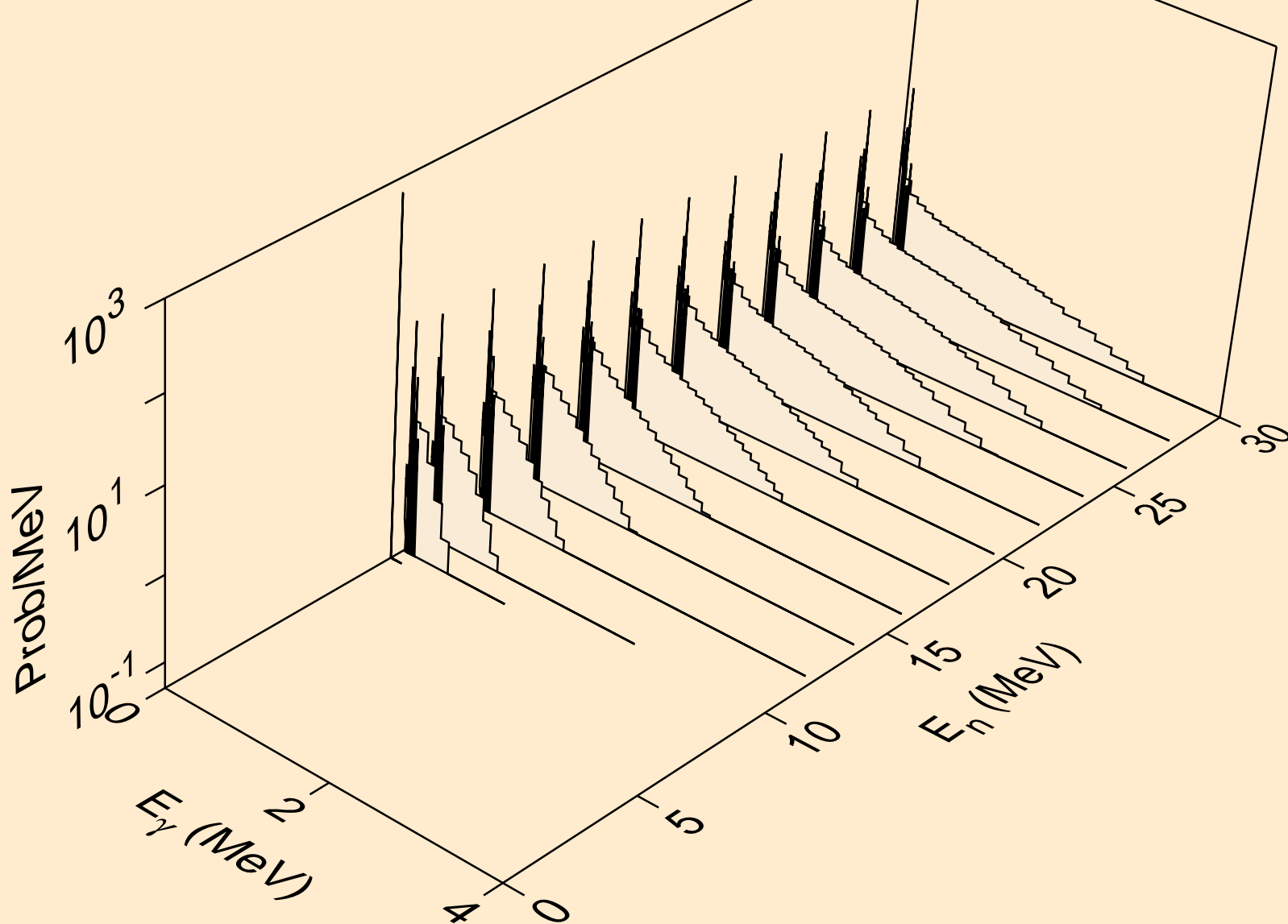
HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,p)



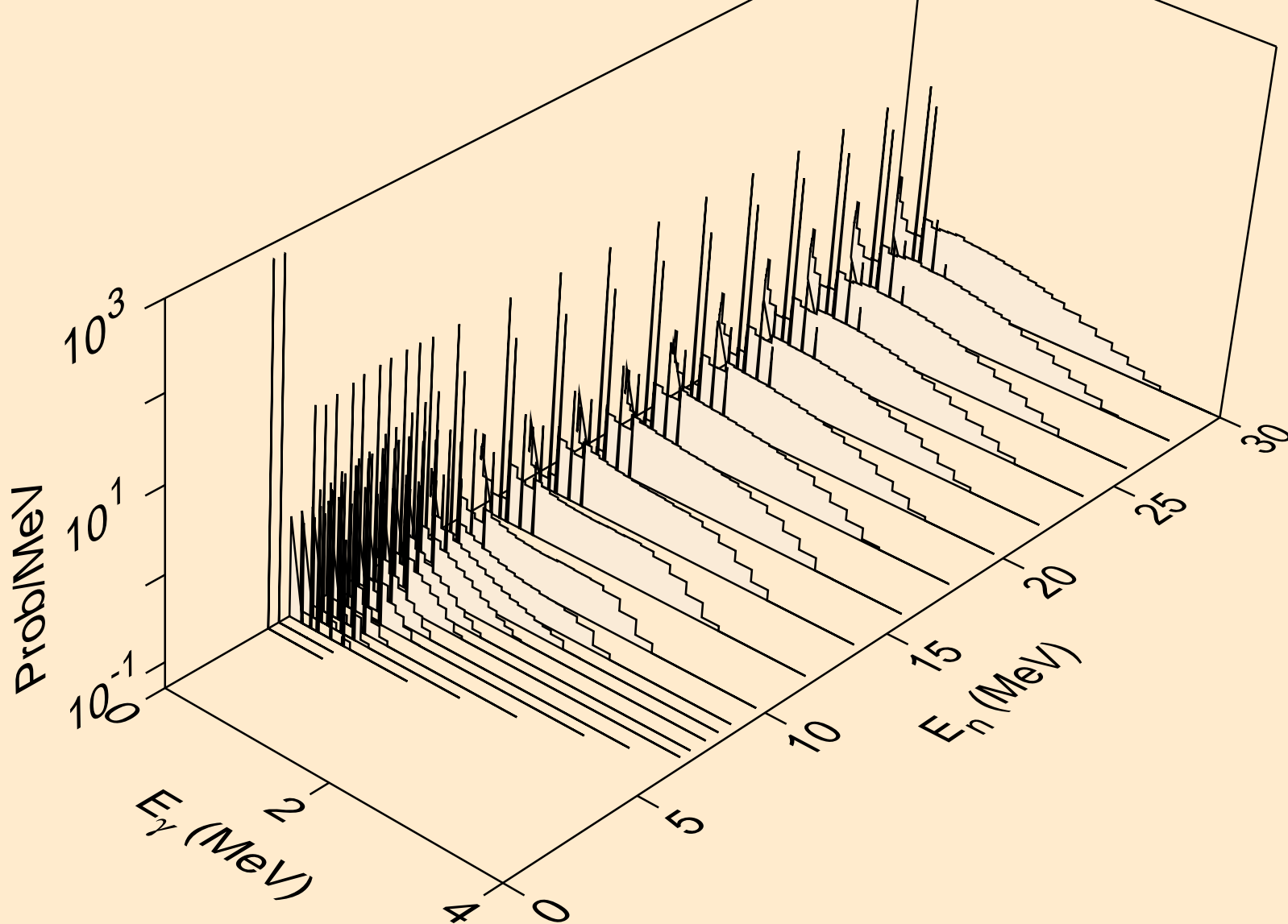
HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,d)



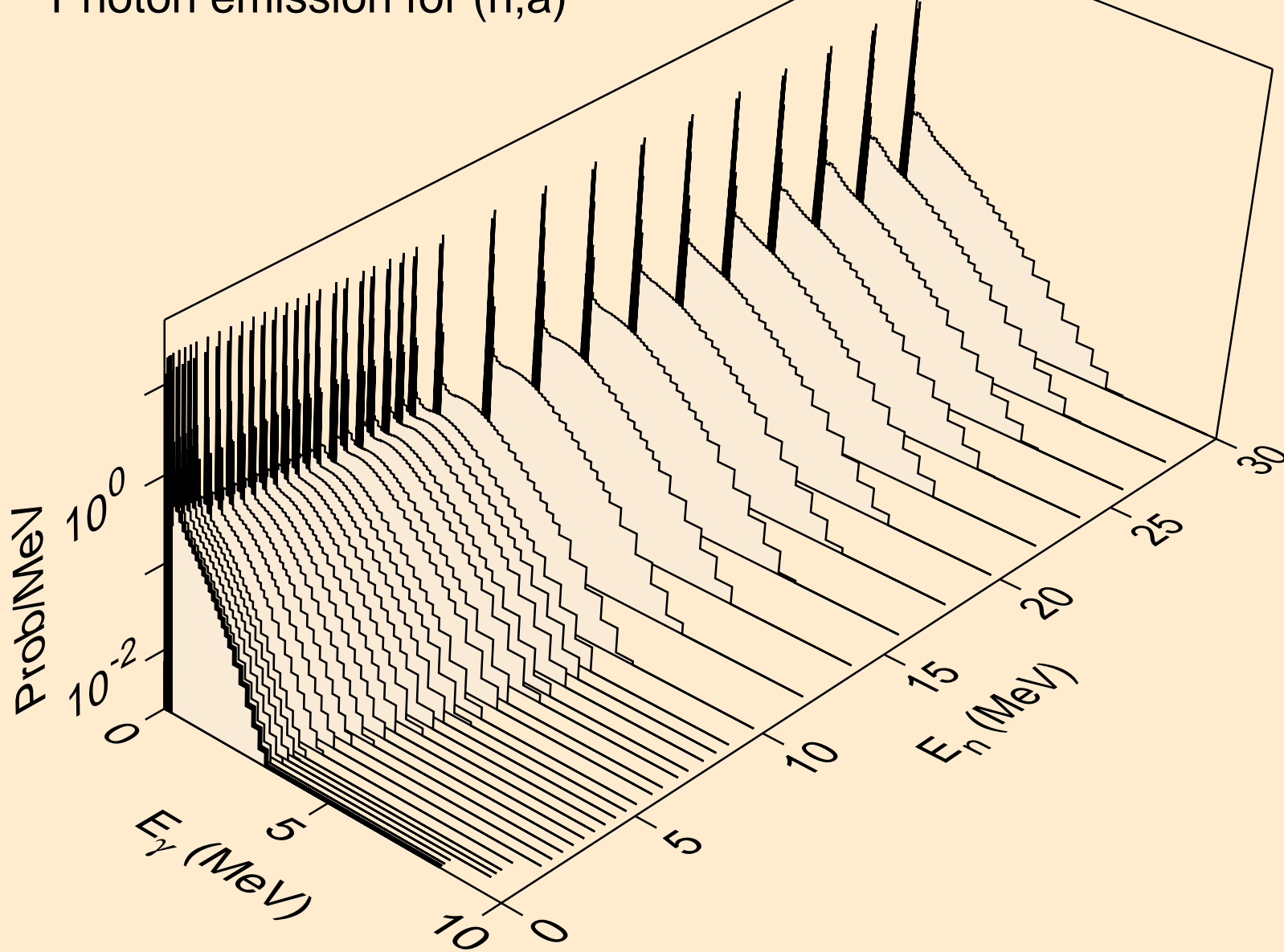
HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,t)



HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,he3)

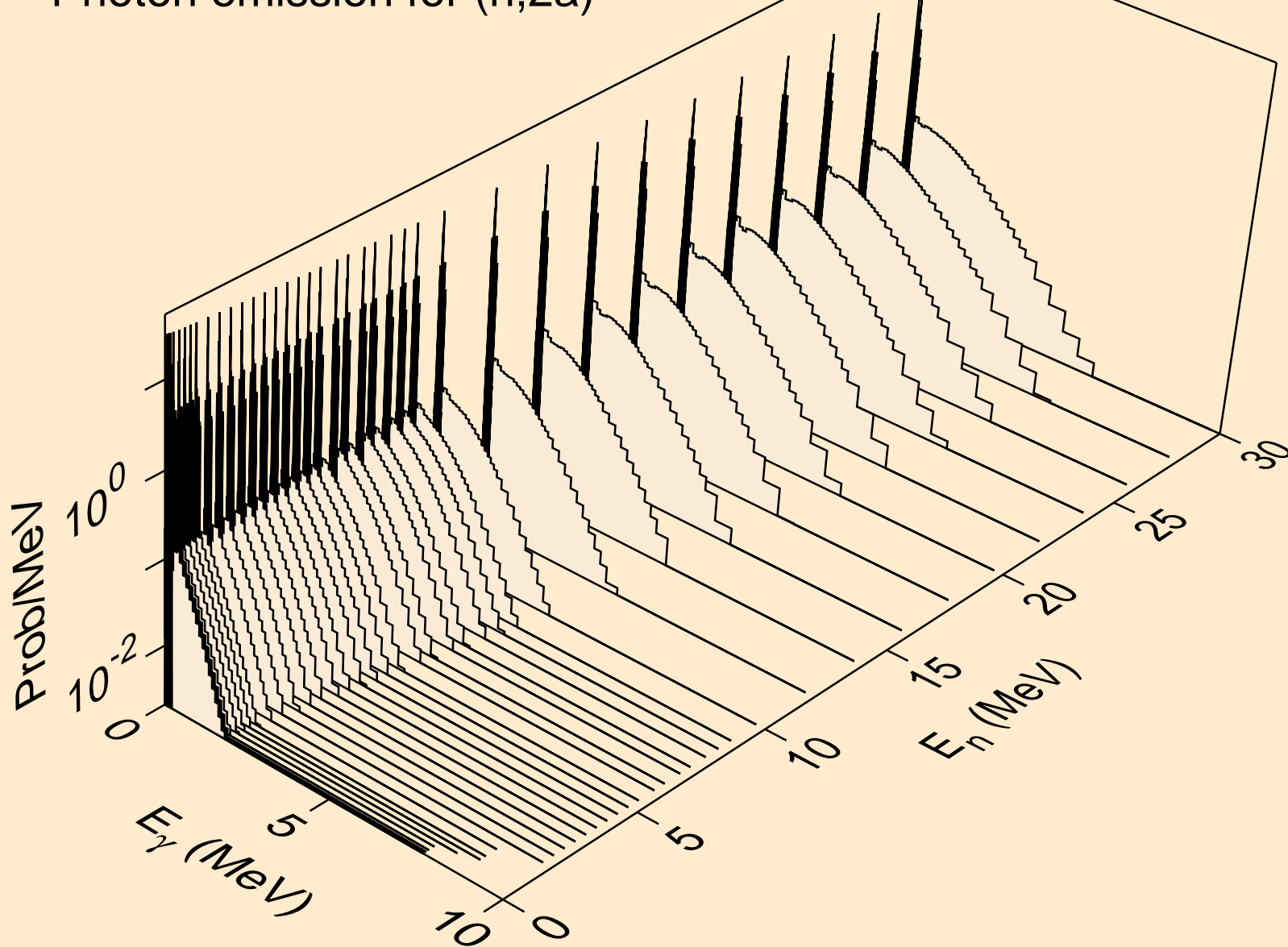


HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,a)

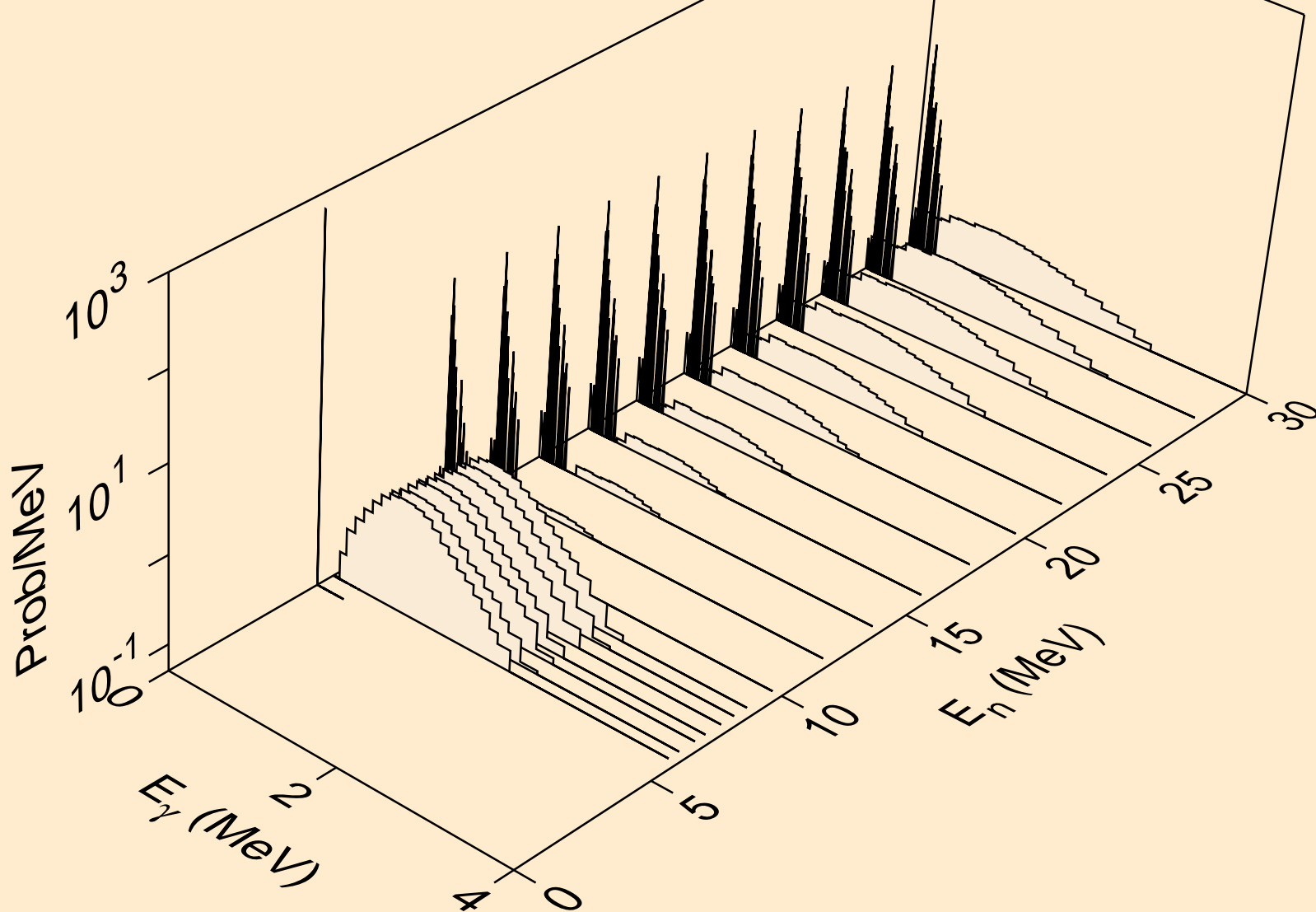




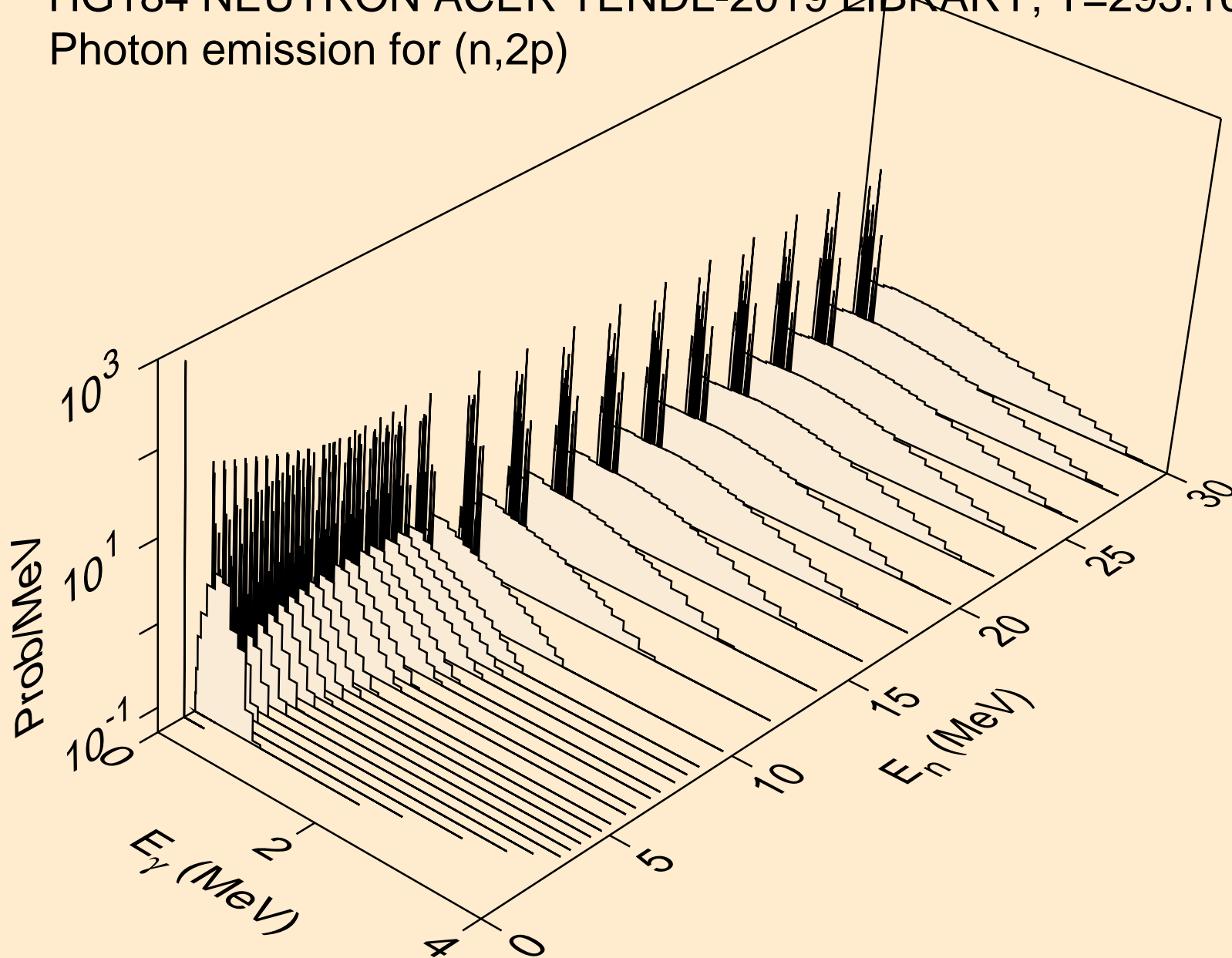
HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2a)



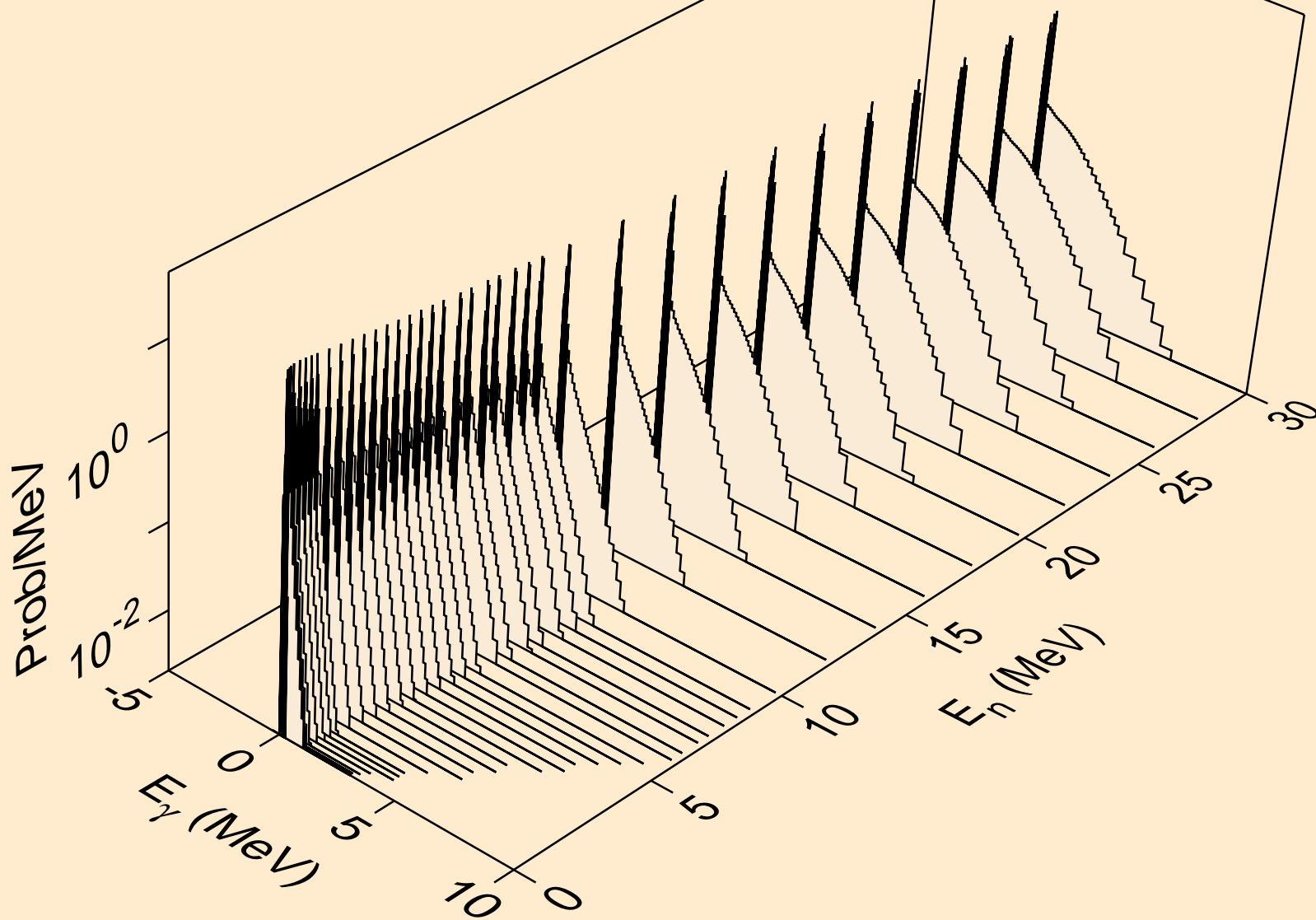
HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3a)



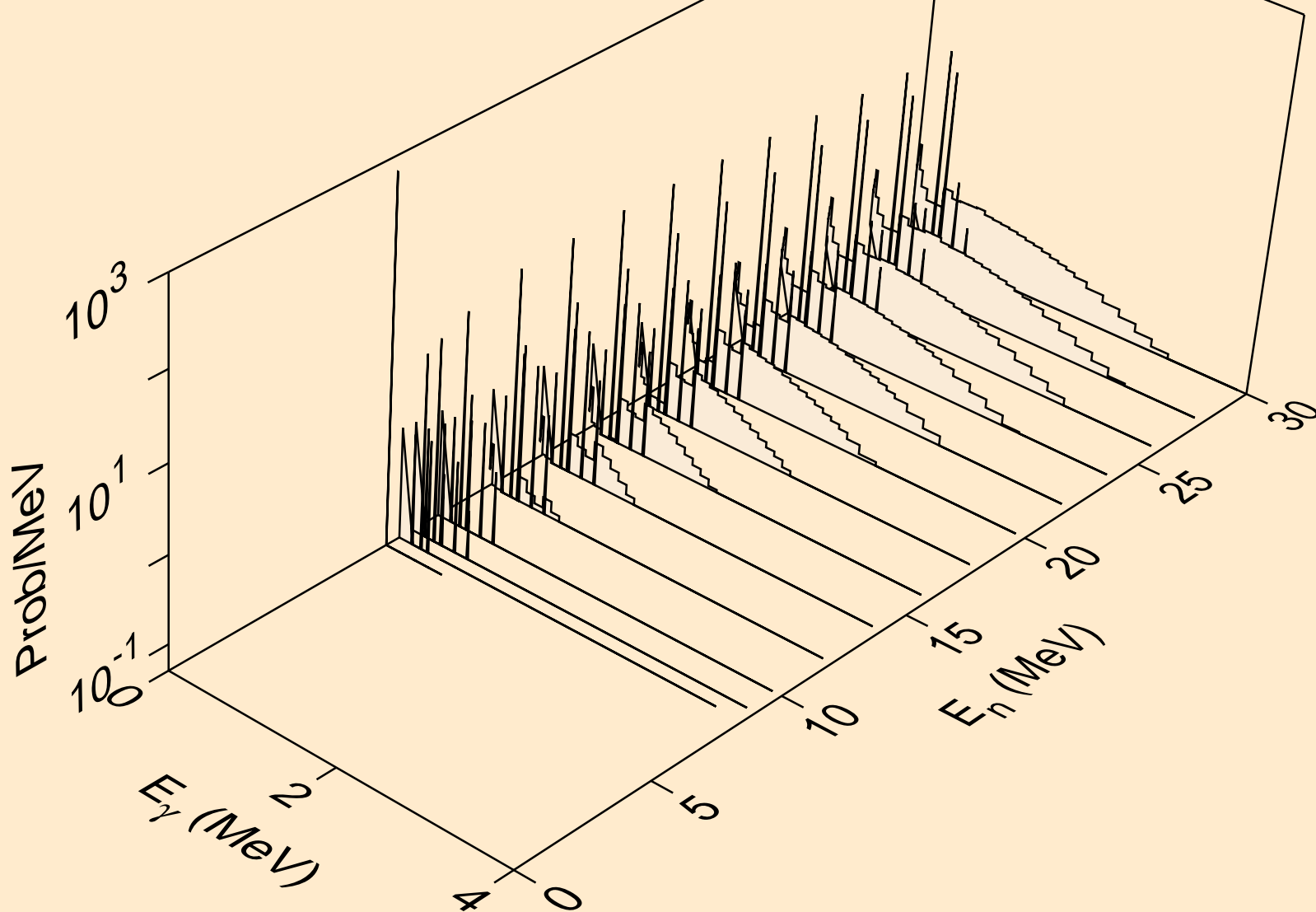
HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2p)



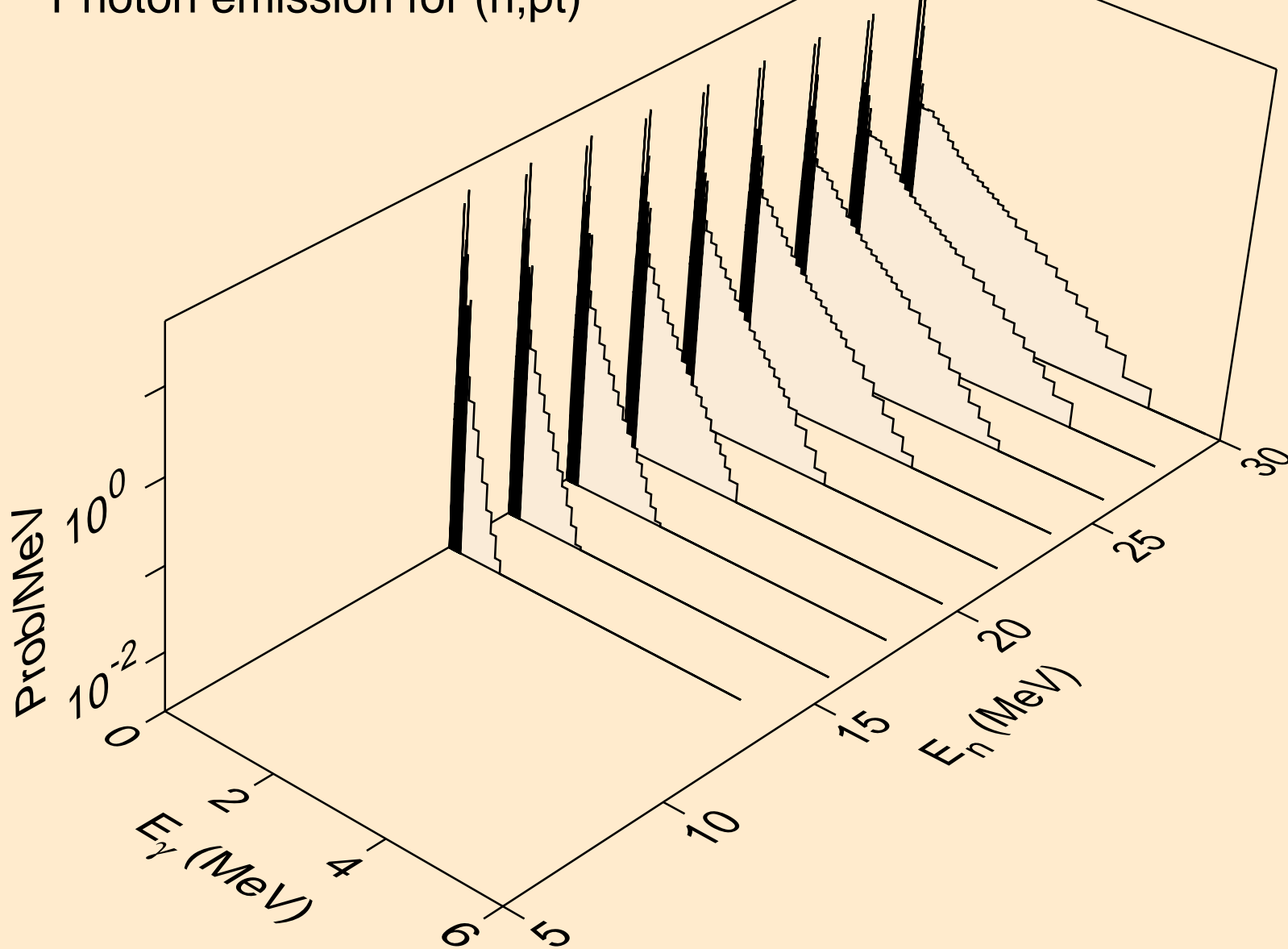
HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,p $\alpha$ )



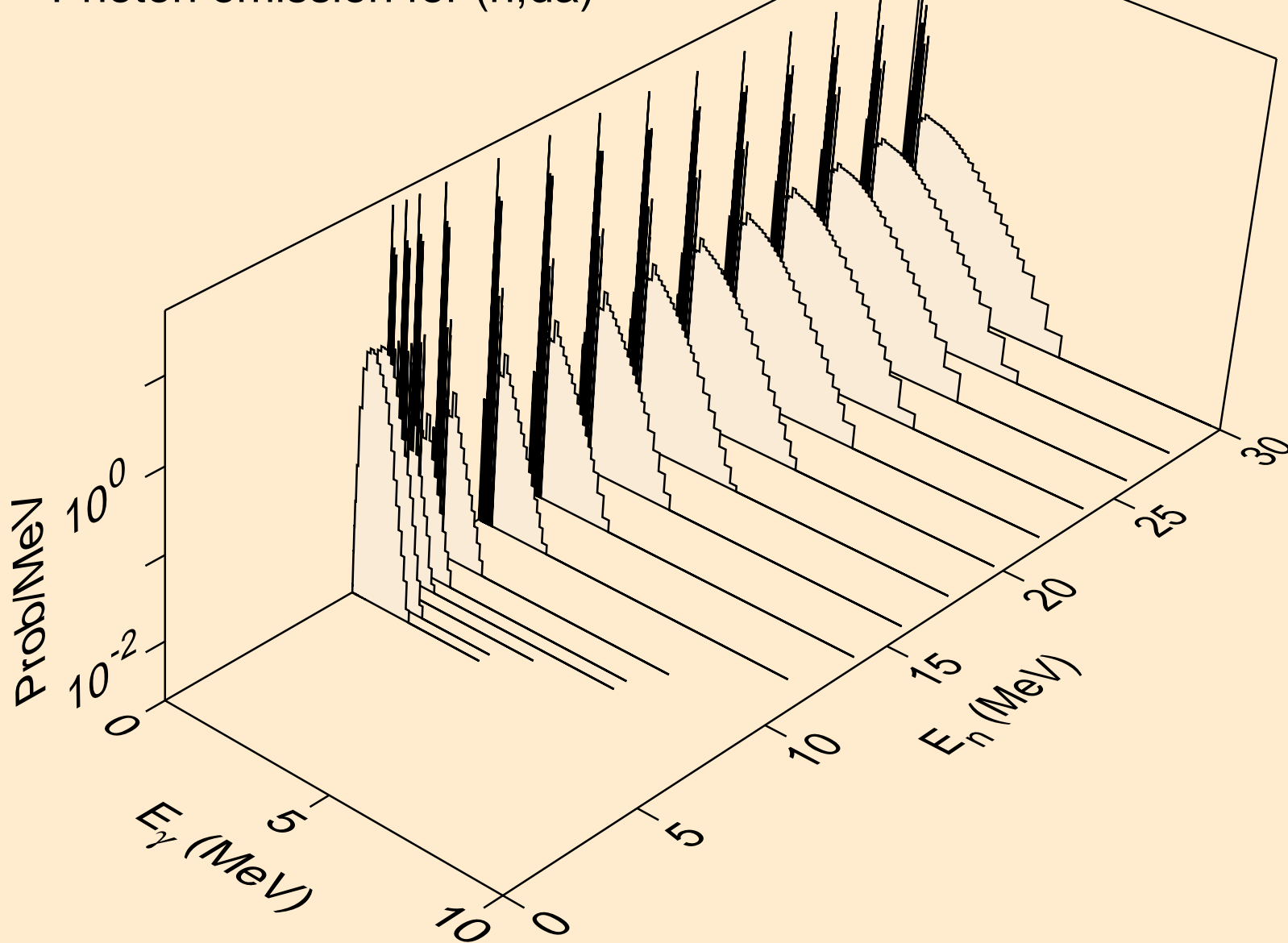
HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,pd)



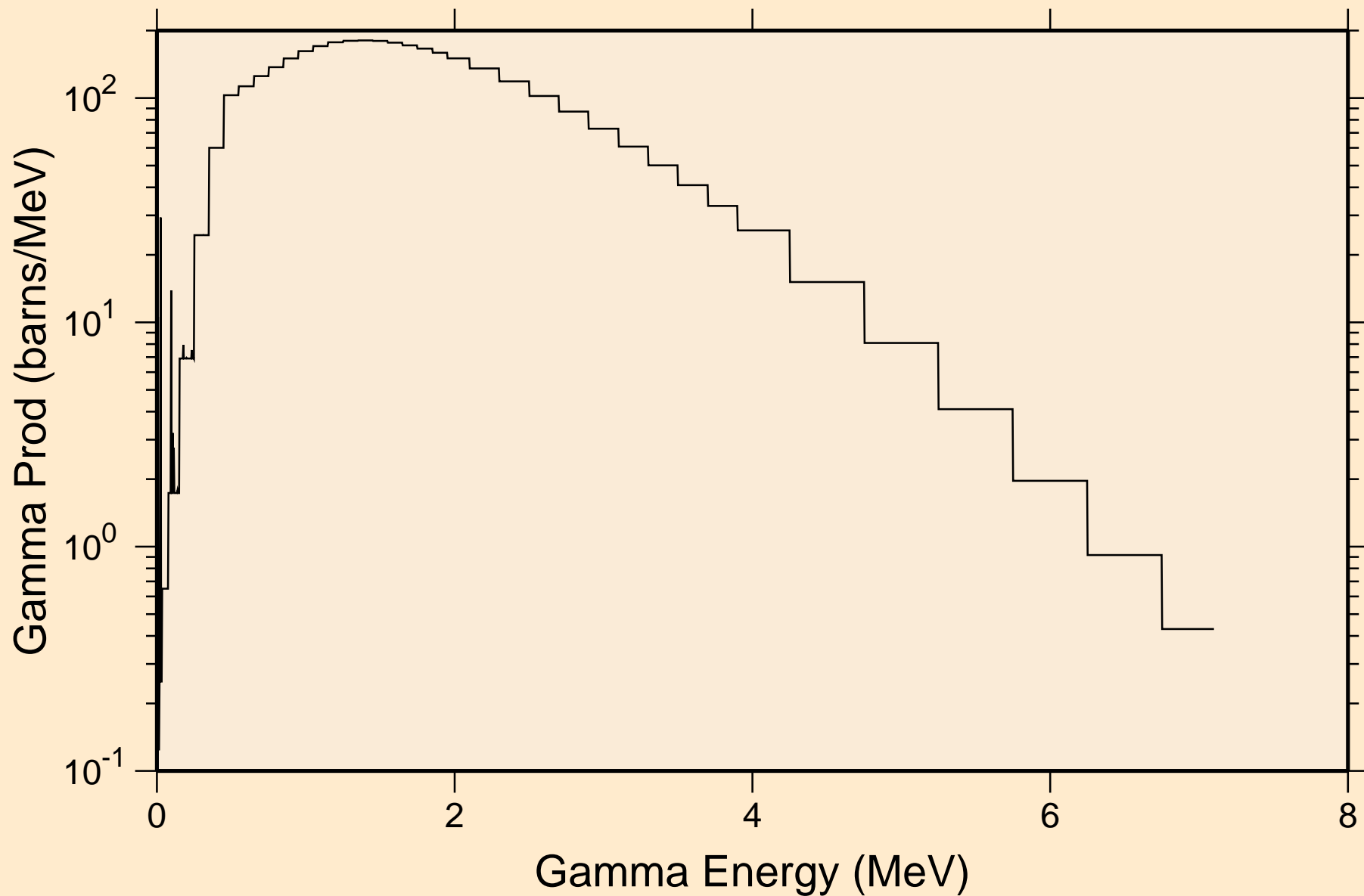
HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,pt)



HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,da)

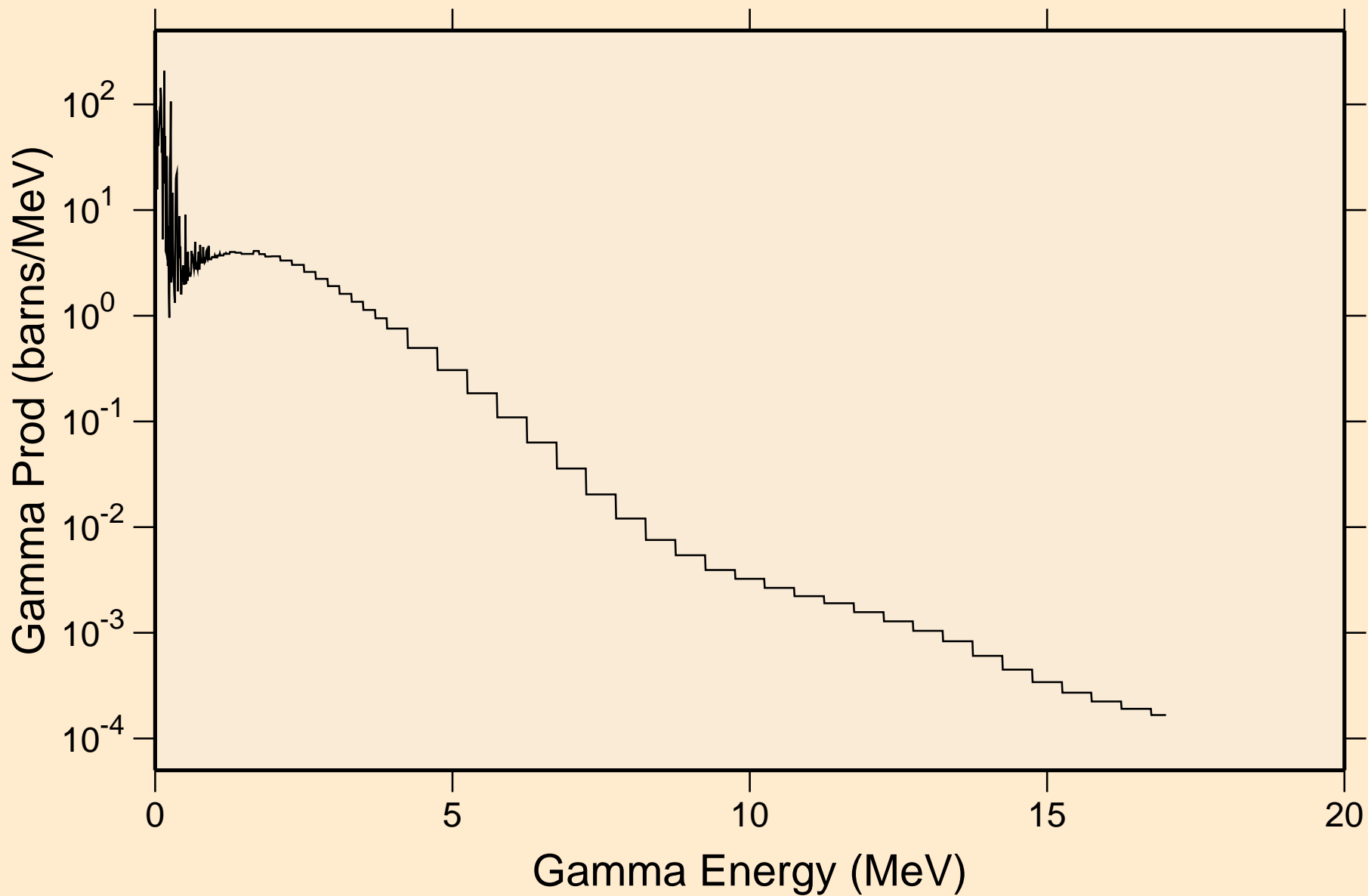


HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
thermal capture photon spectrum



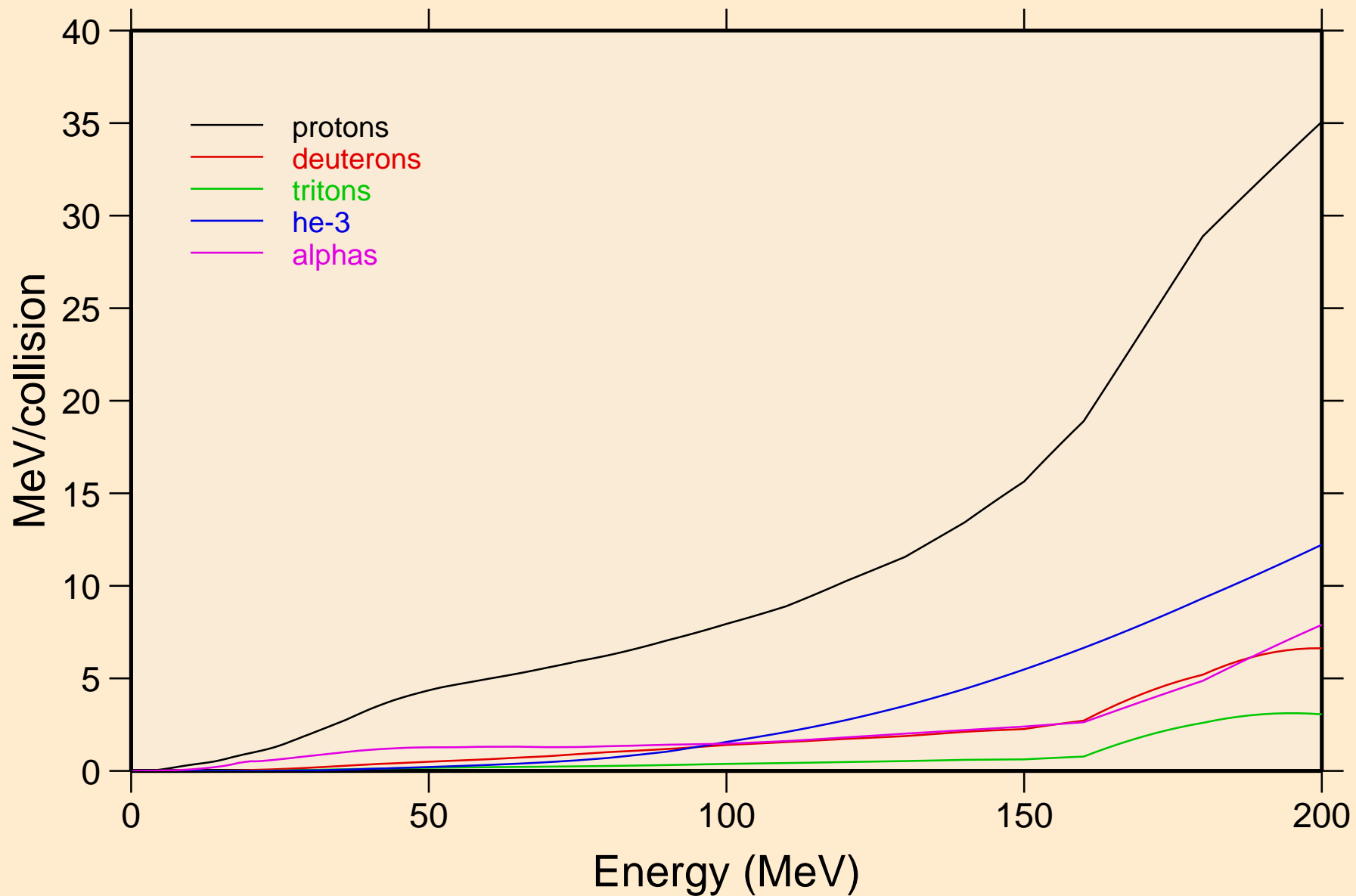


HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
14 MeV photon spectrum

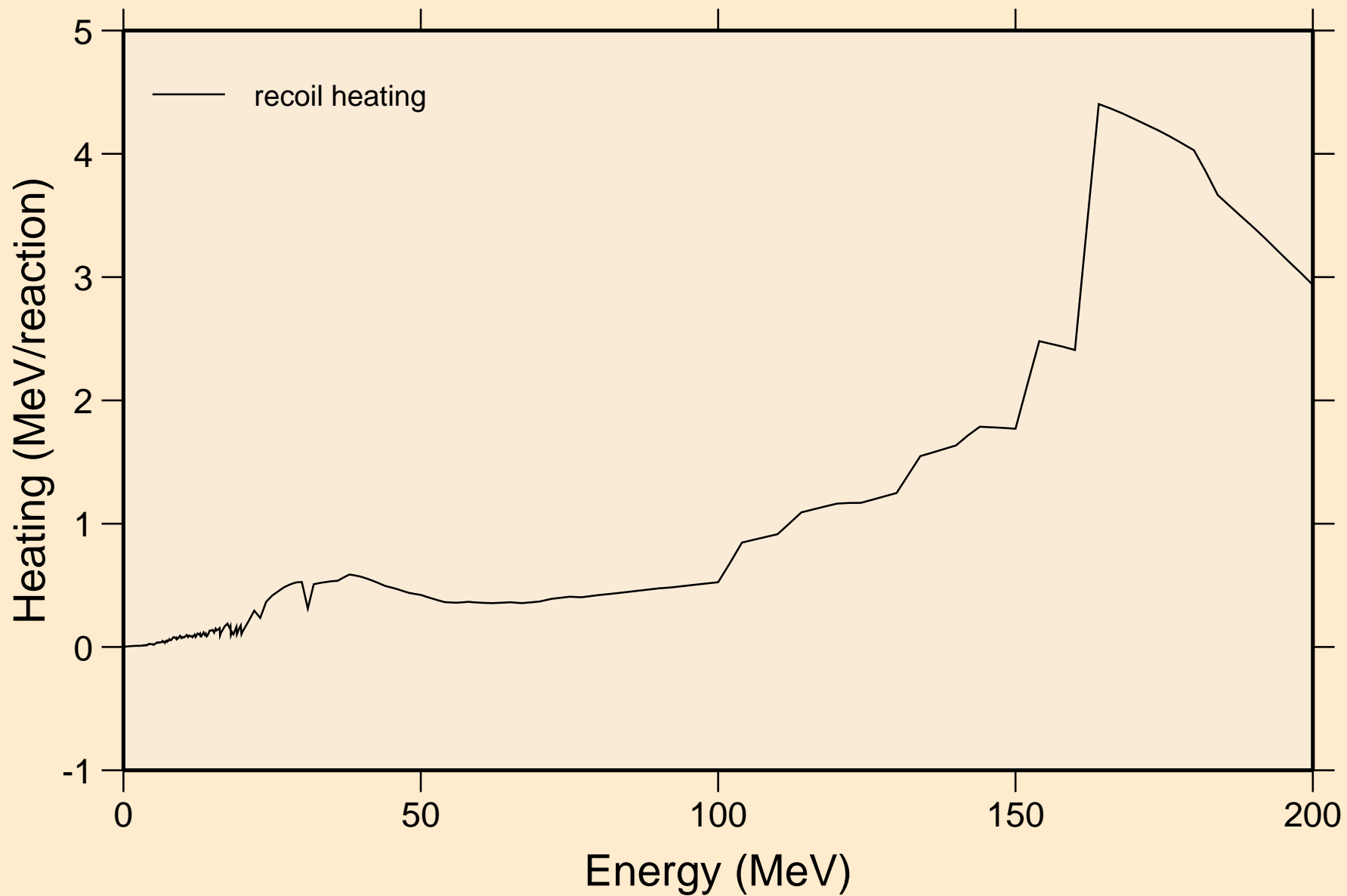


# HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Particle heating contributions

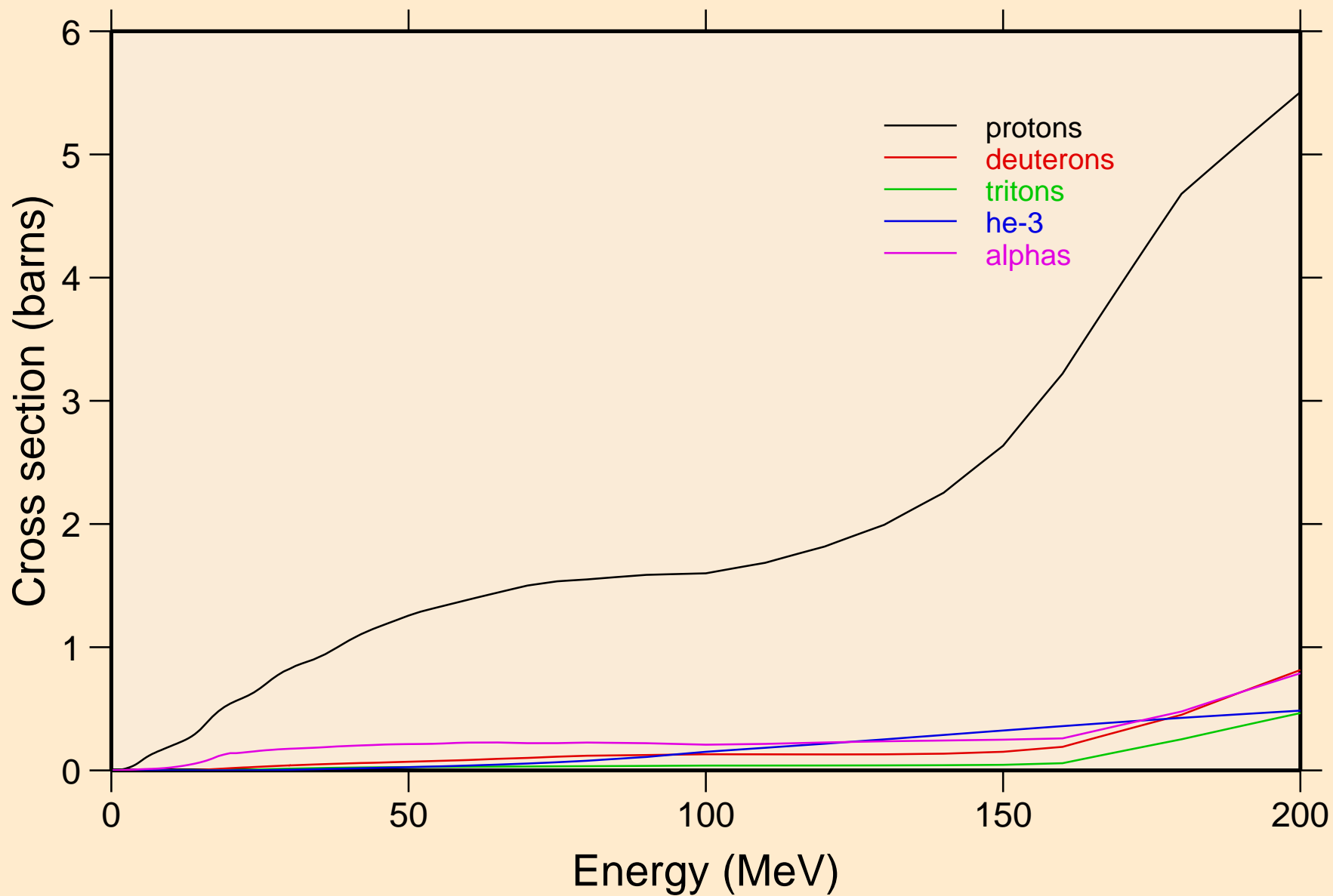


HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Recoil Heating

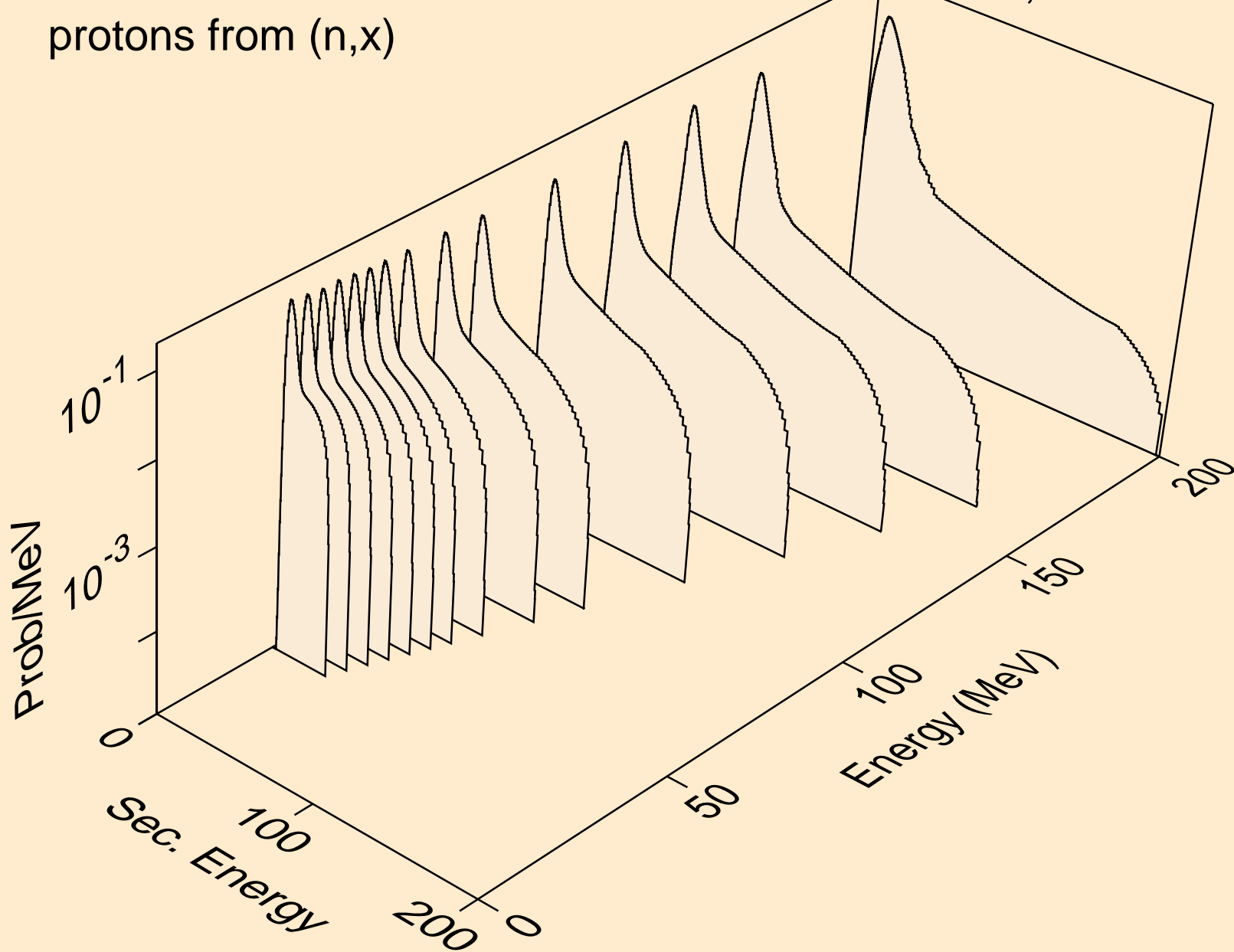


# HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

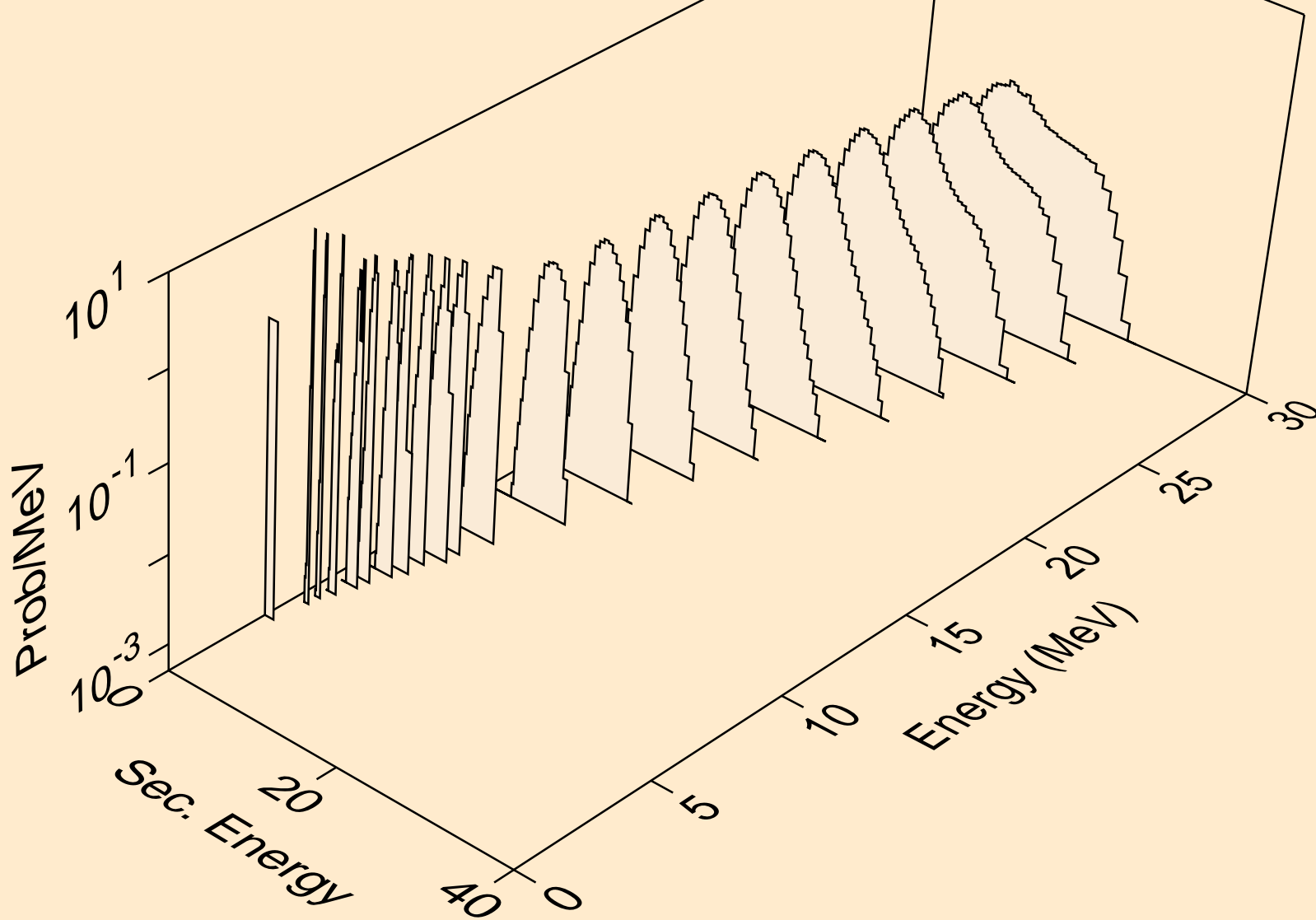
## Particle production cross sections



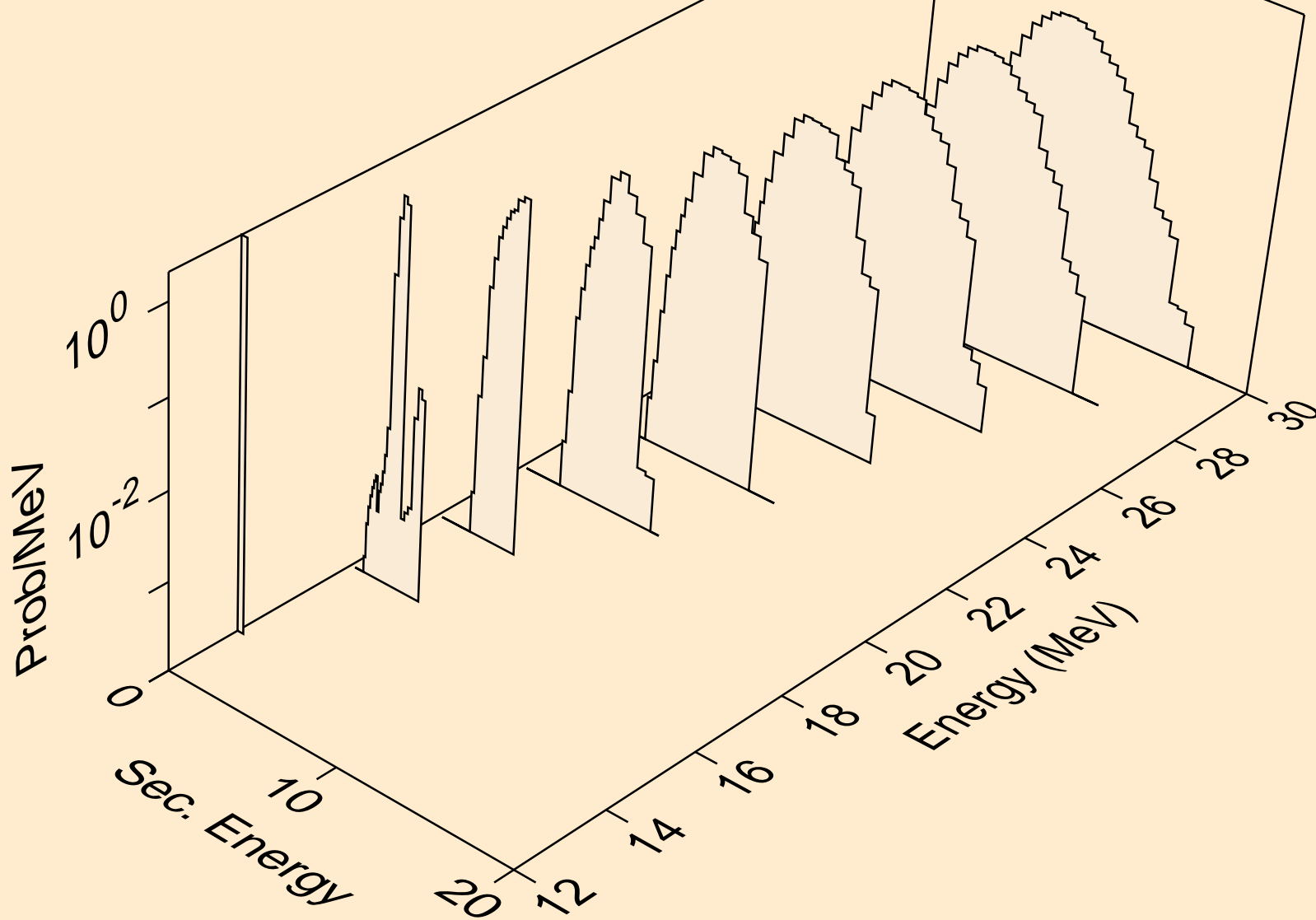
HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,x)



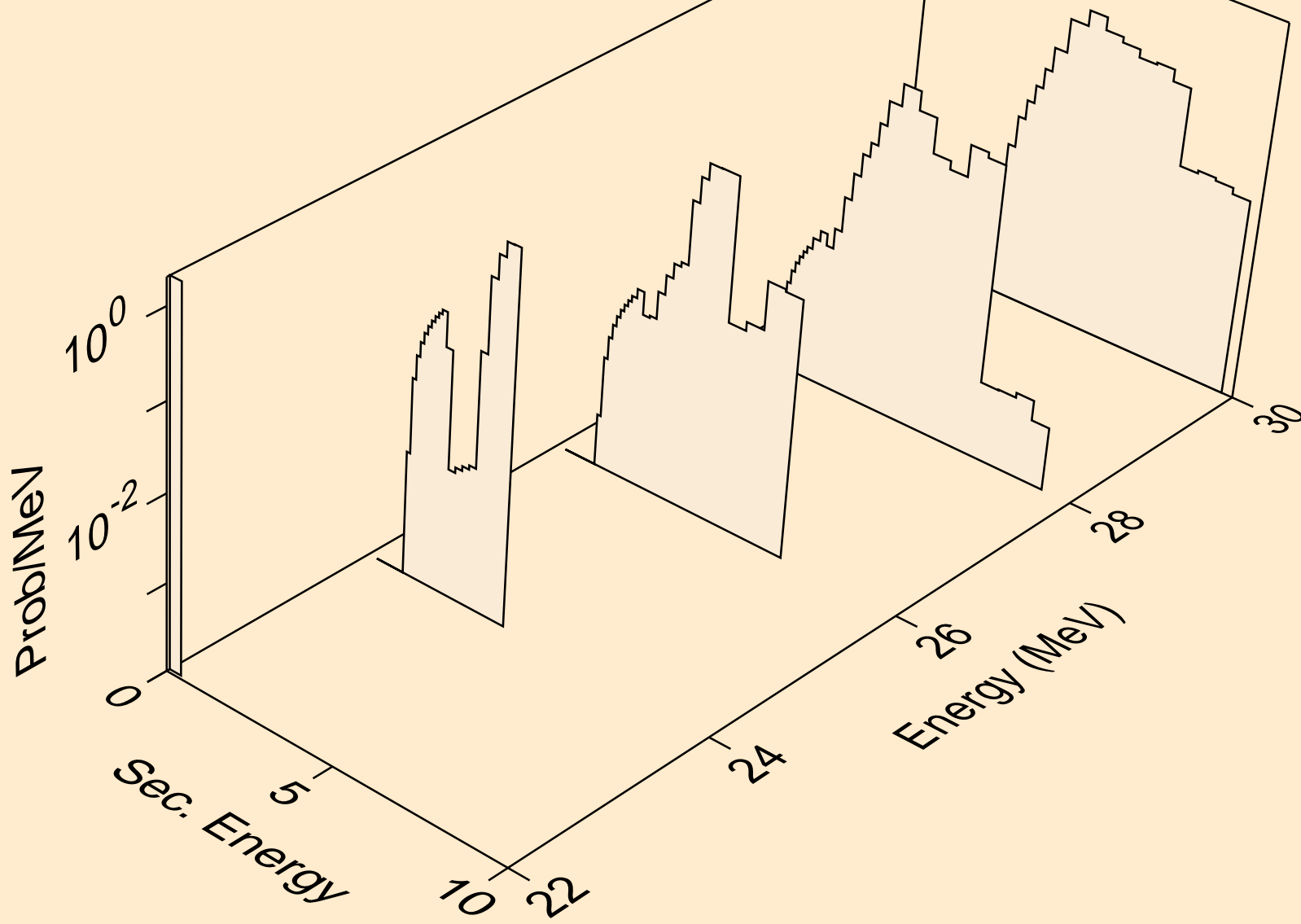
HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,n\*)p



HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,2np)

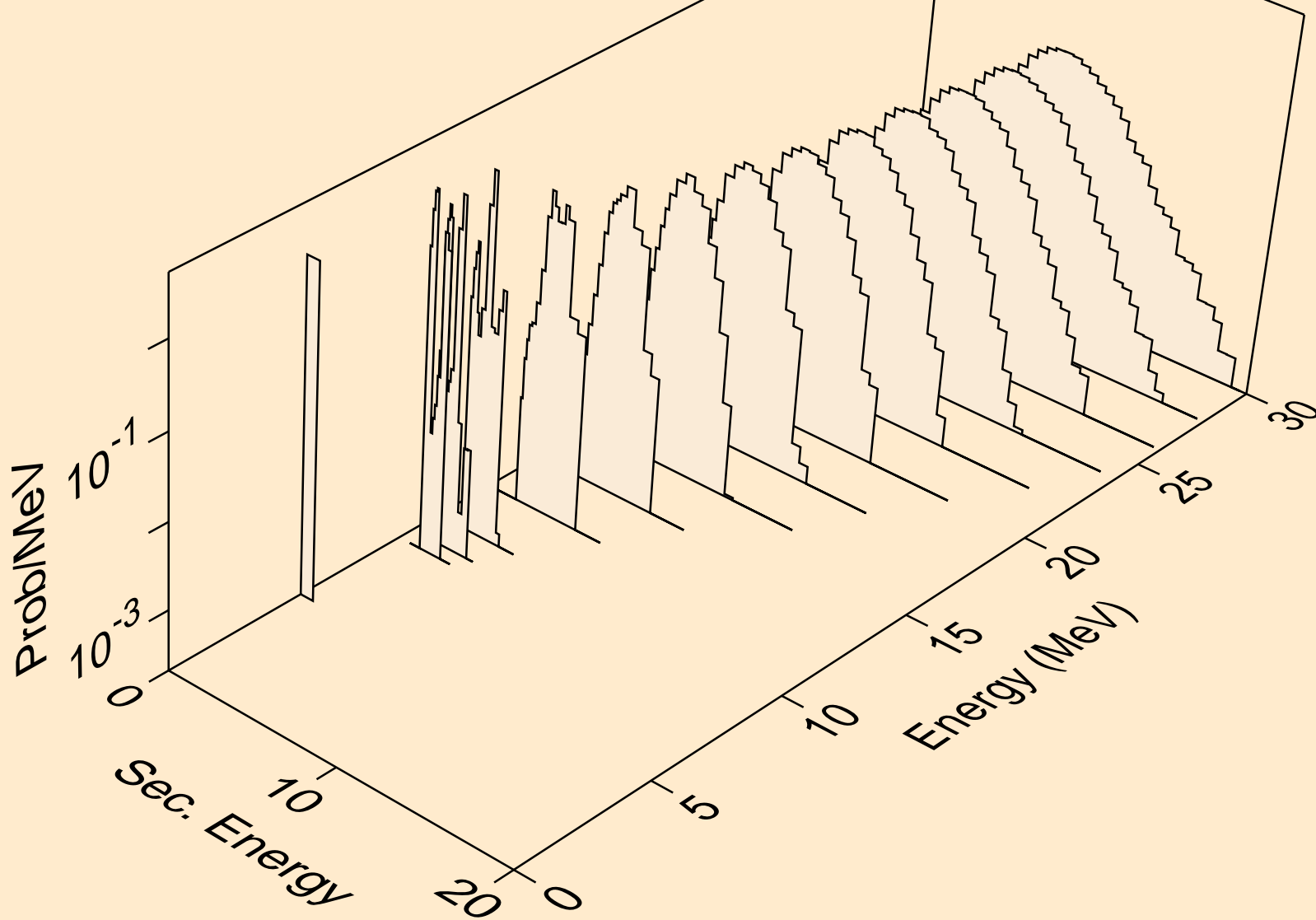


HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,3np)

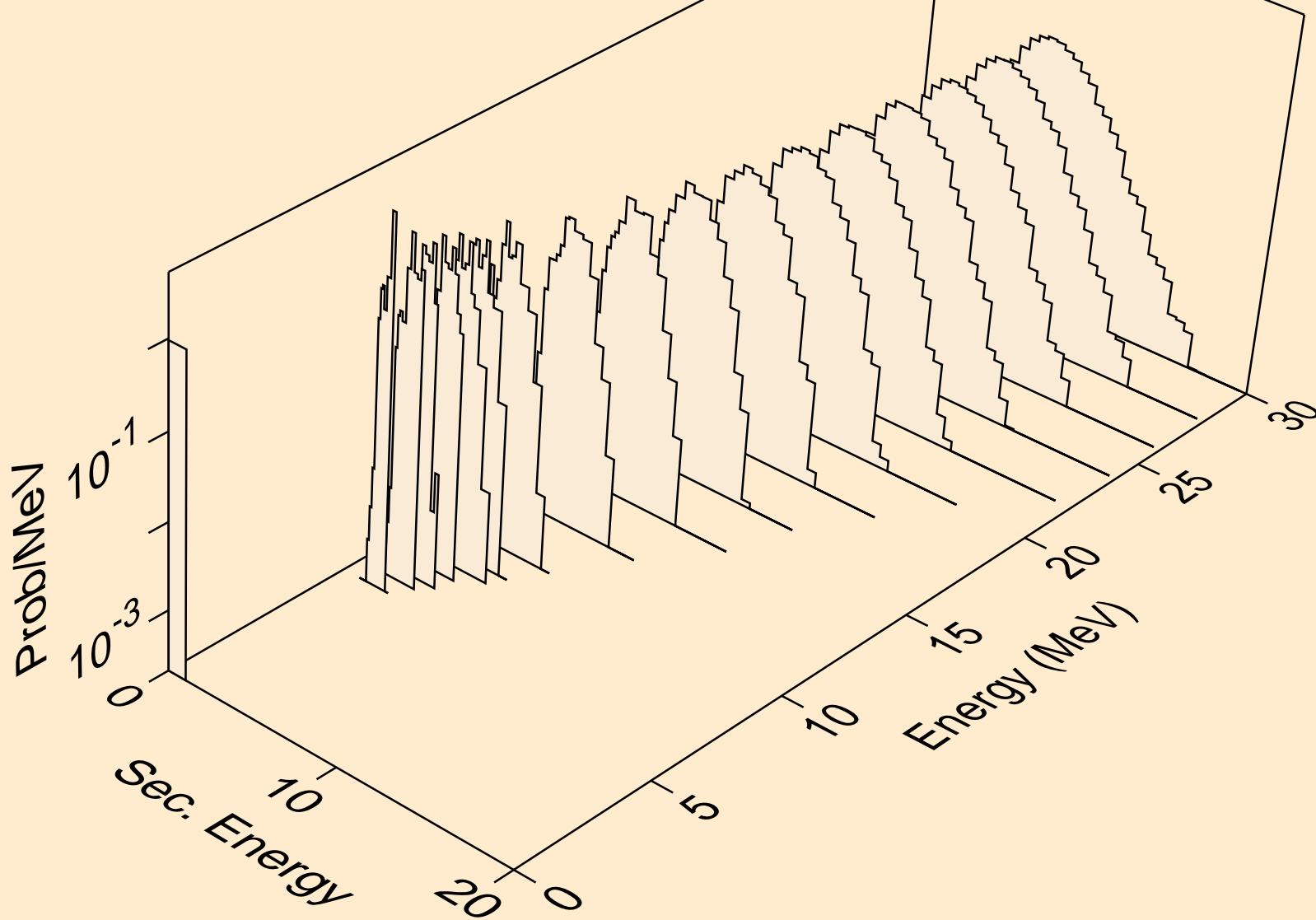




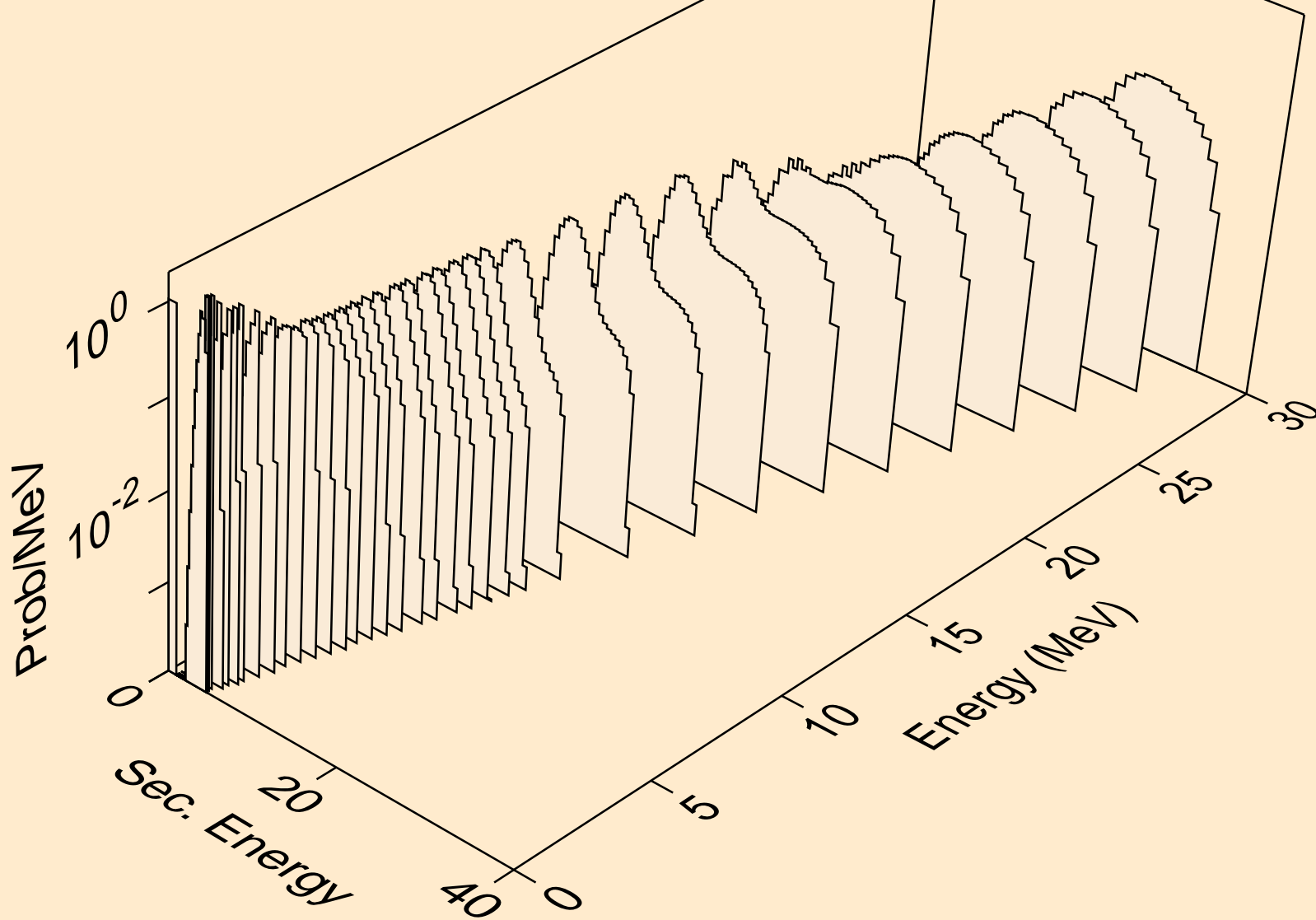
HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,2np)



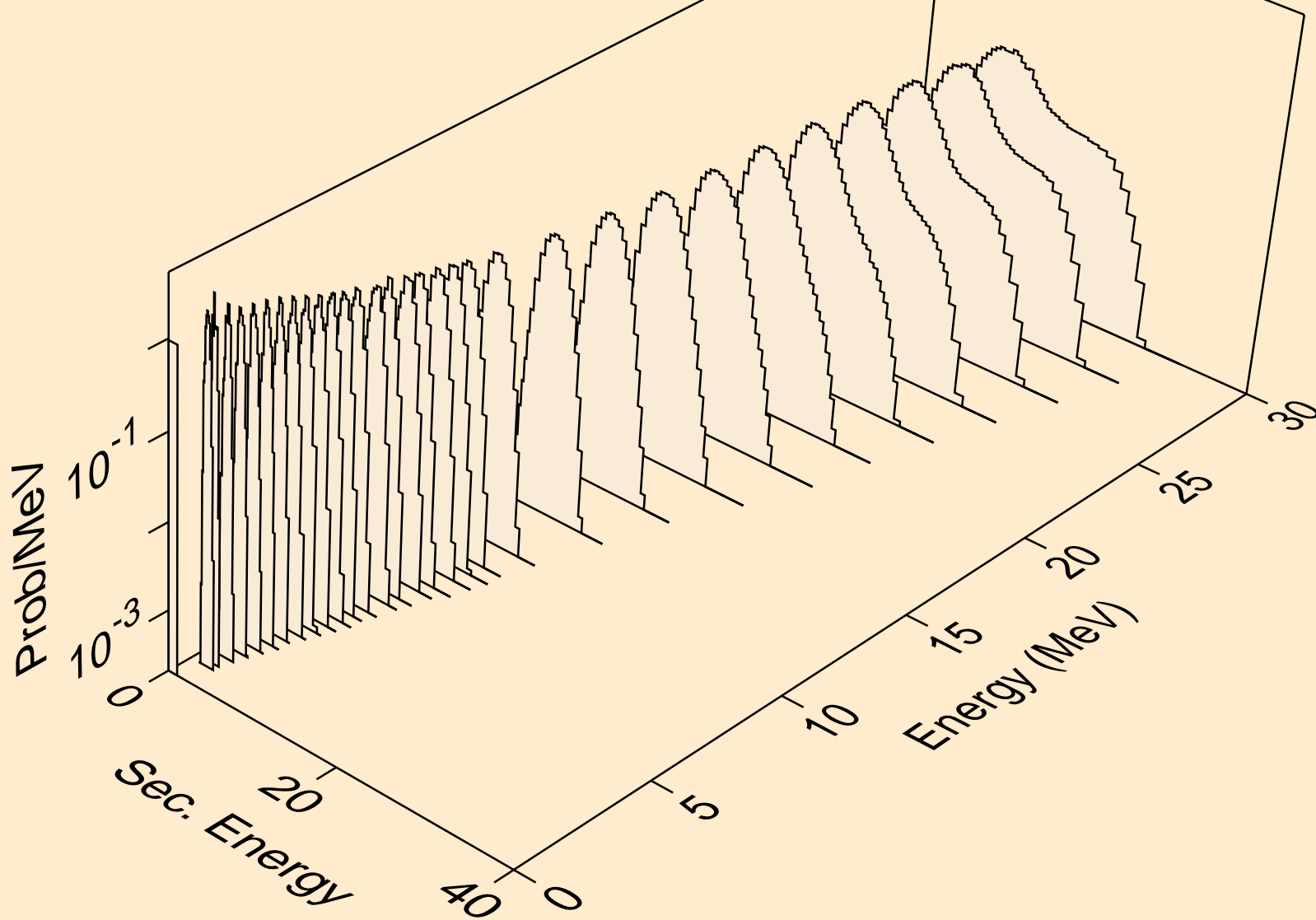
HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,npa)



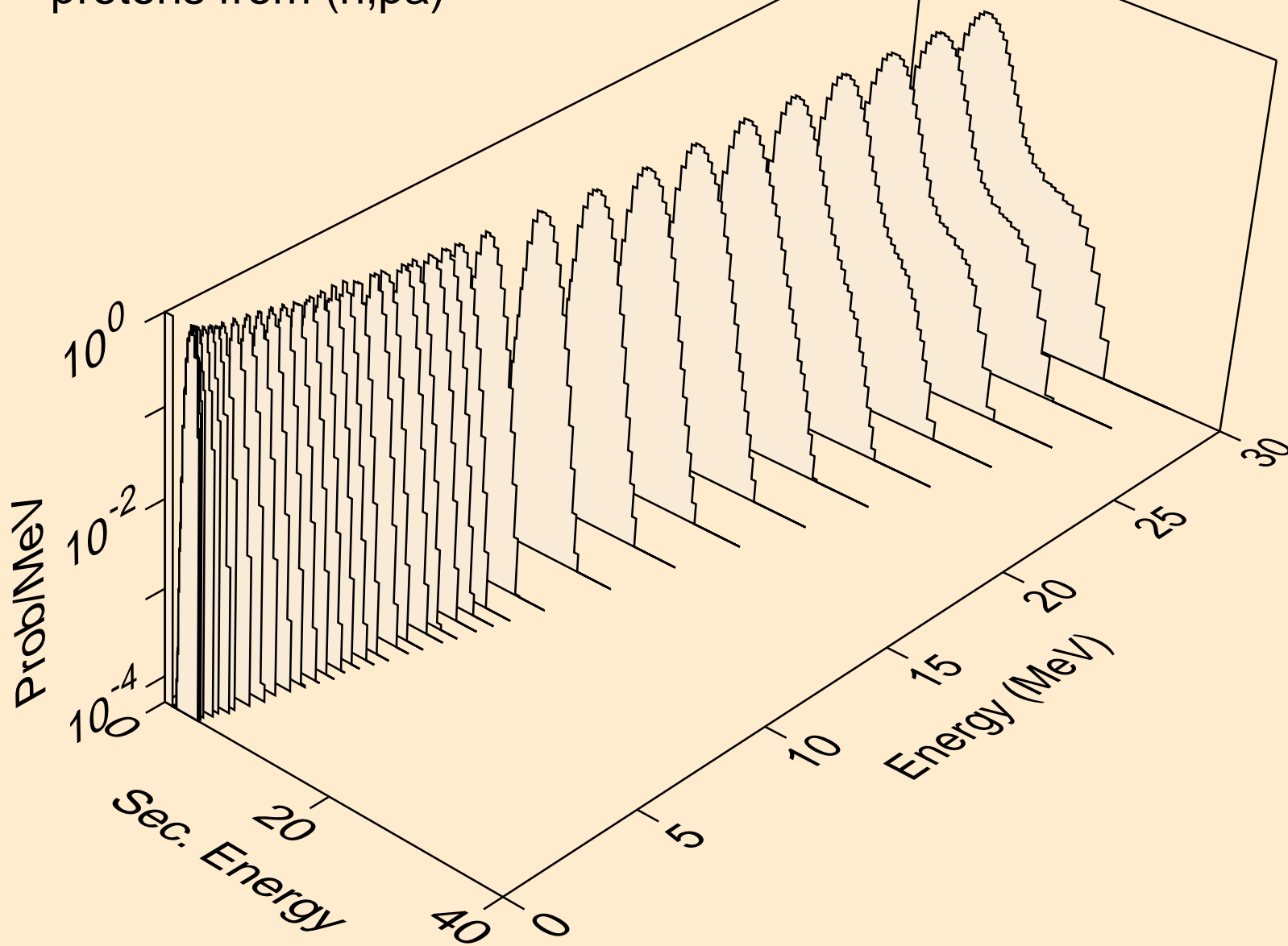
HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,p)



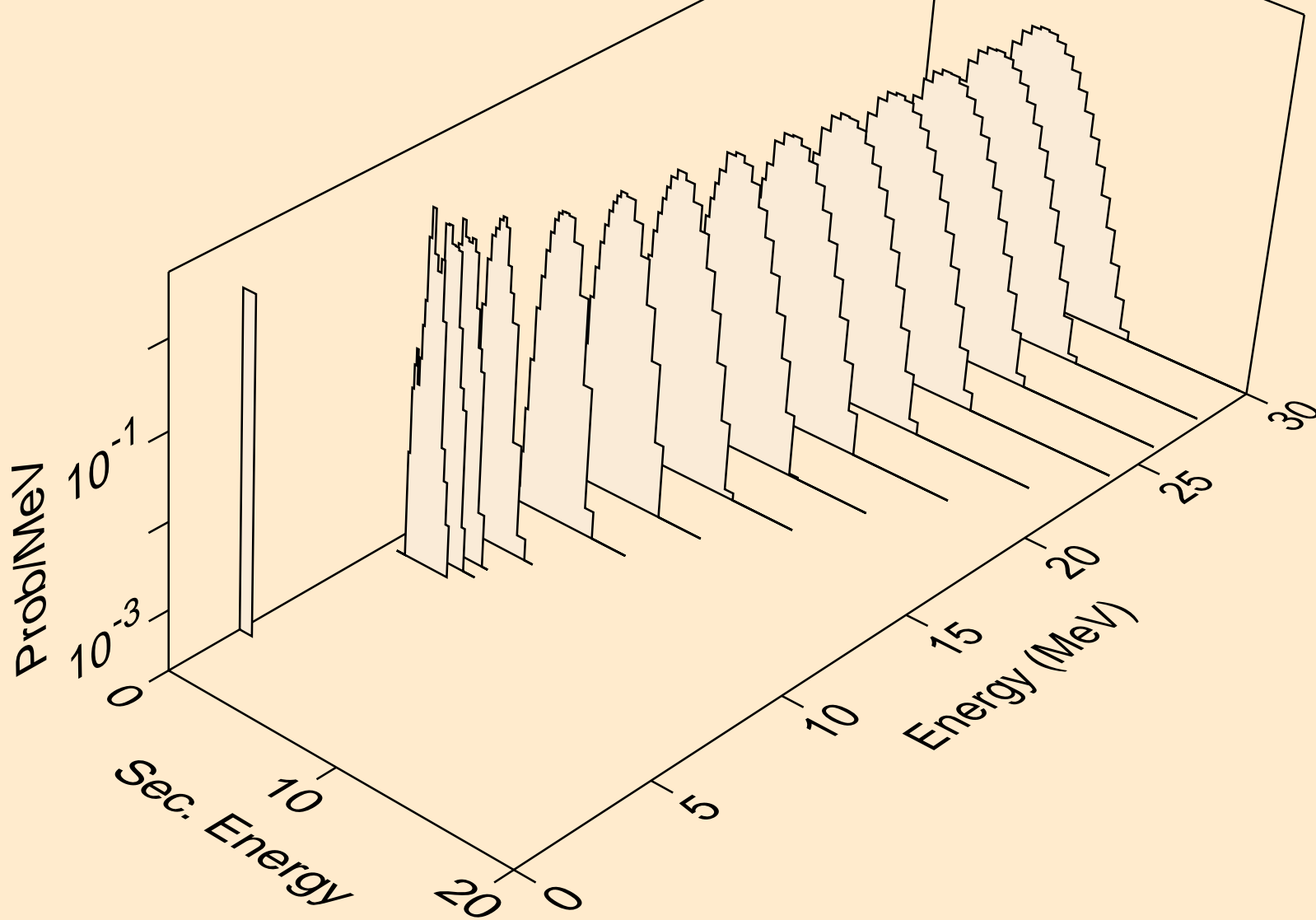
HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,2p)



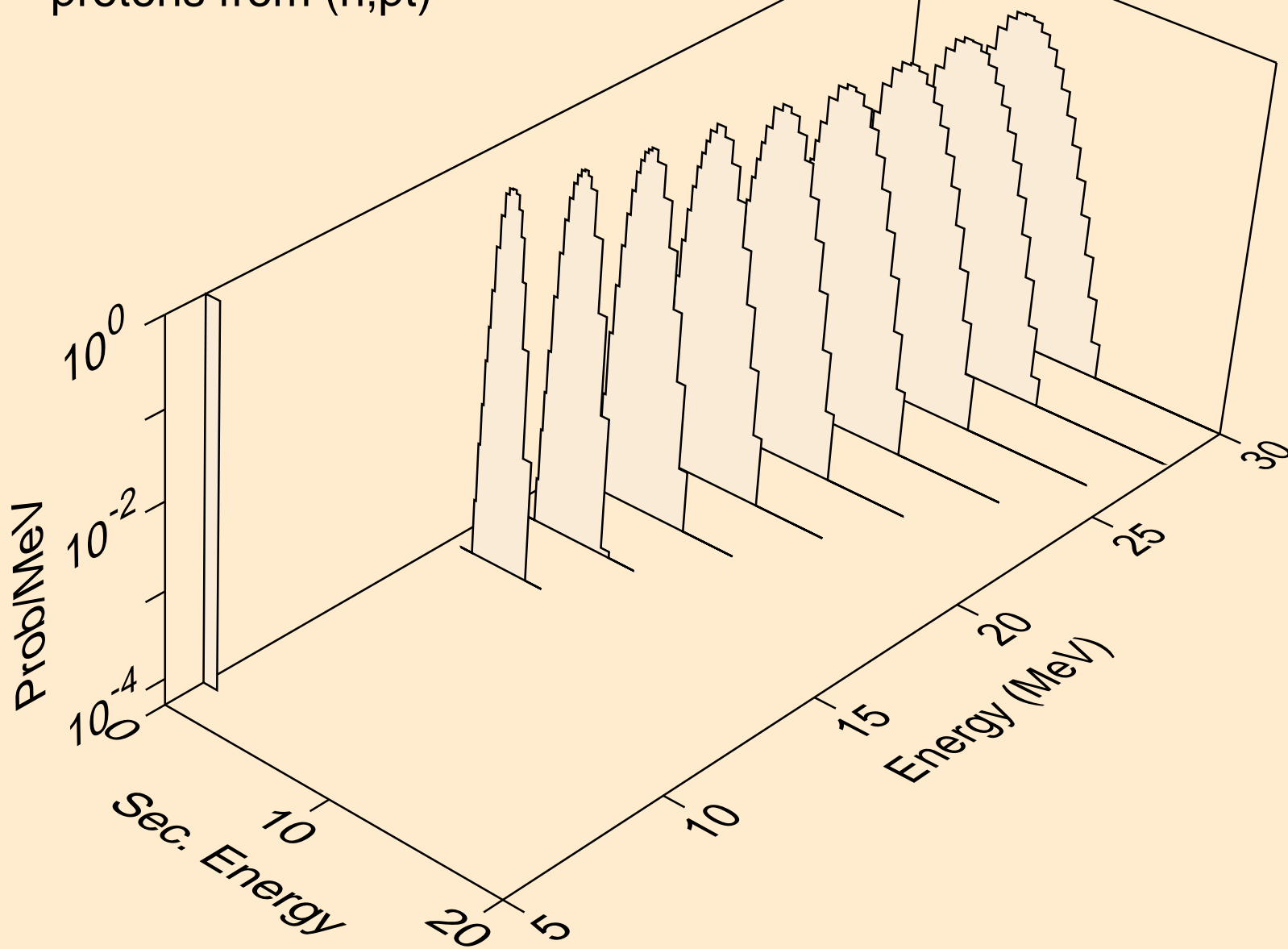
HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,p)



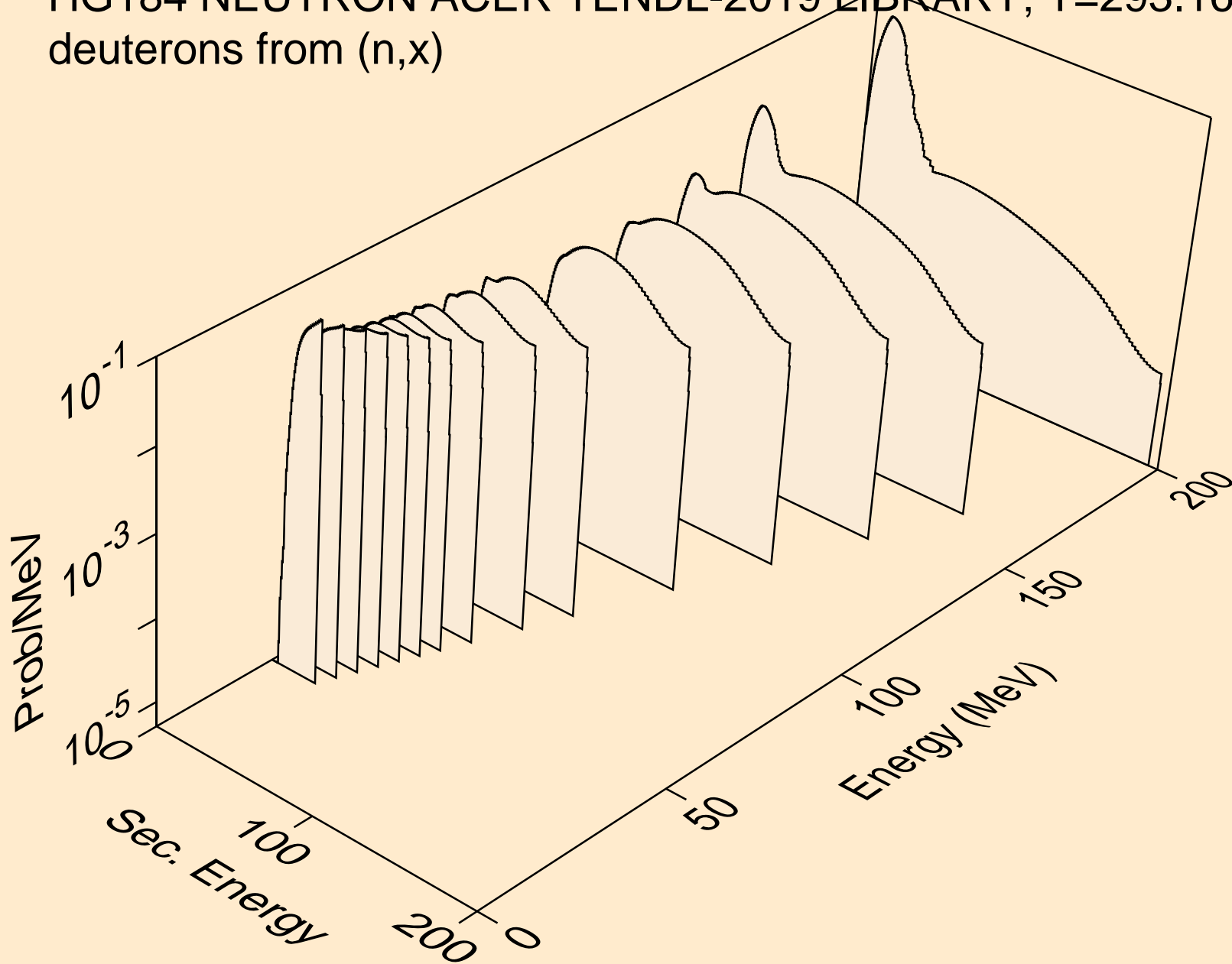
HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,pd)



HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,pt)

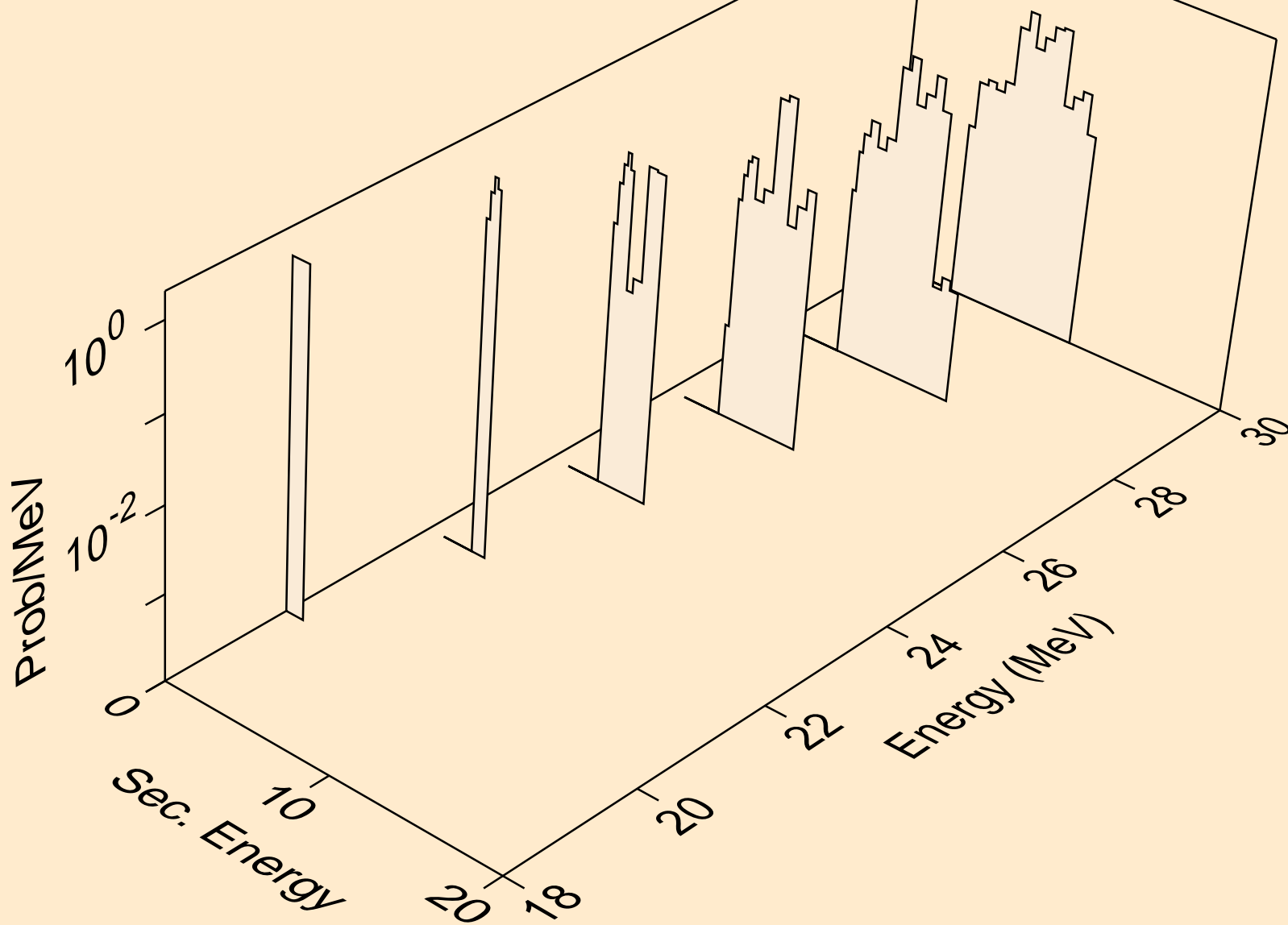


HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,x)

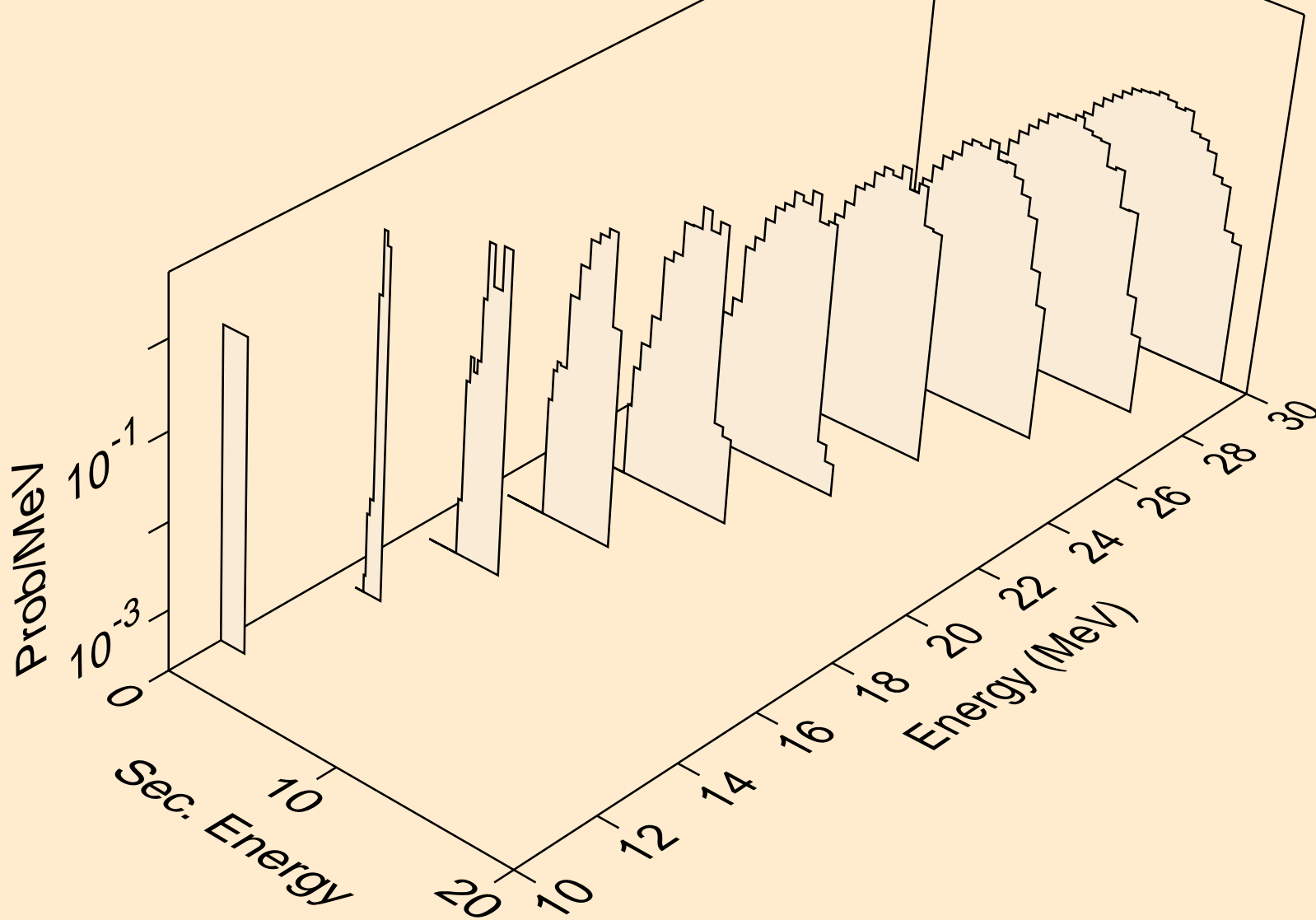




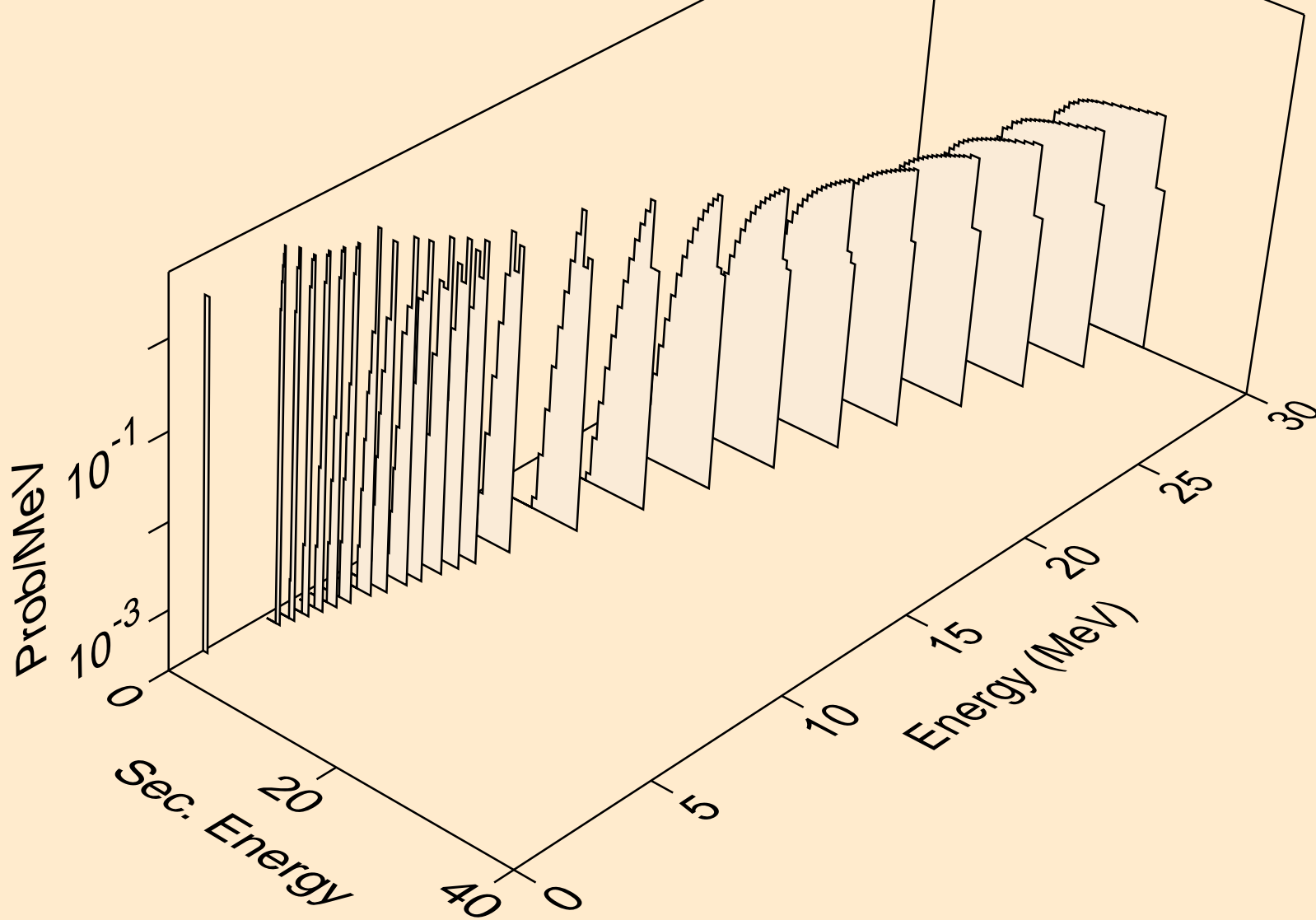
HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,2nd)



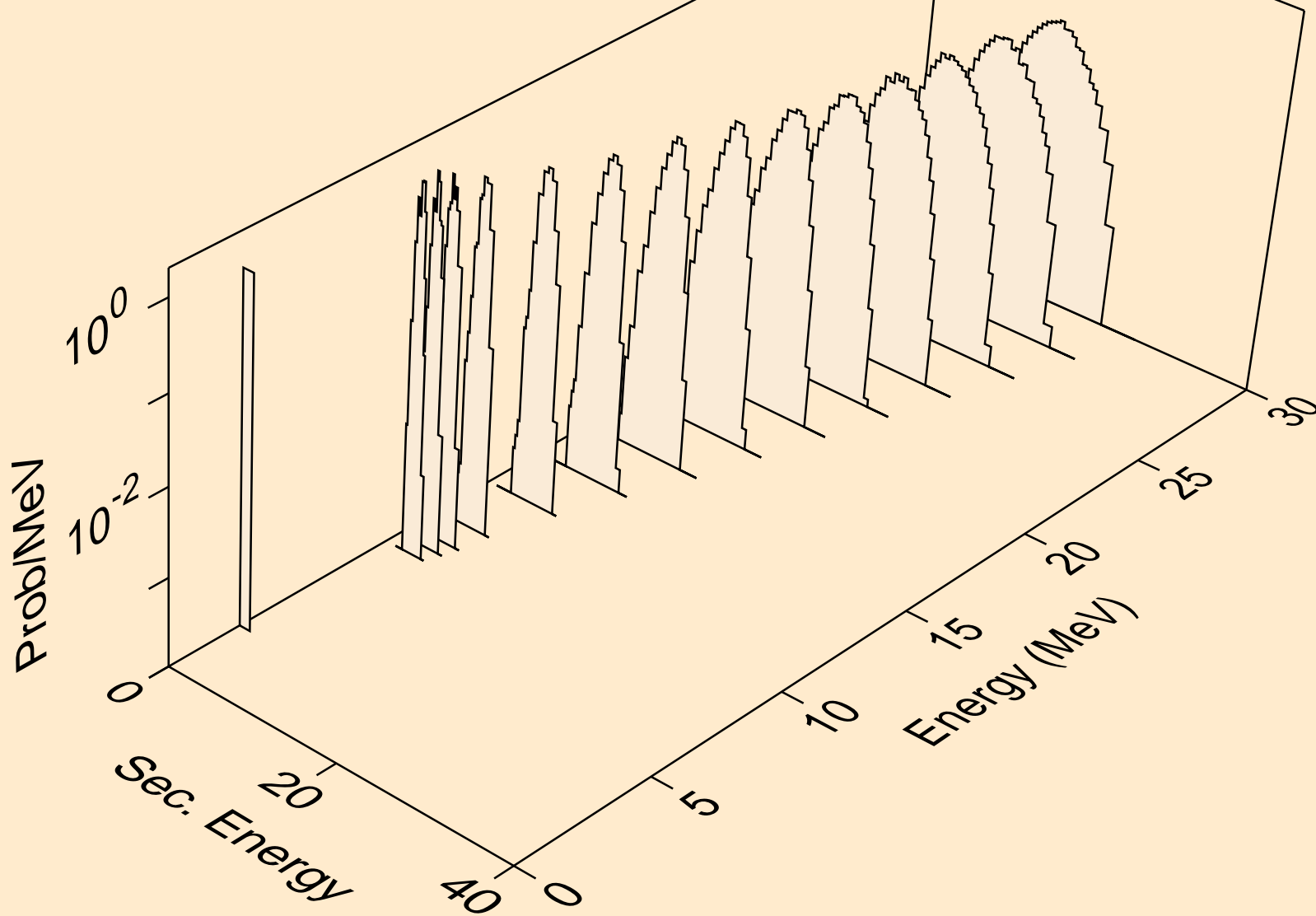
HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,n\*)d



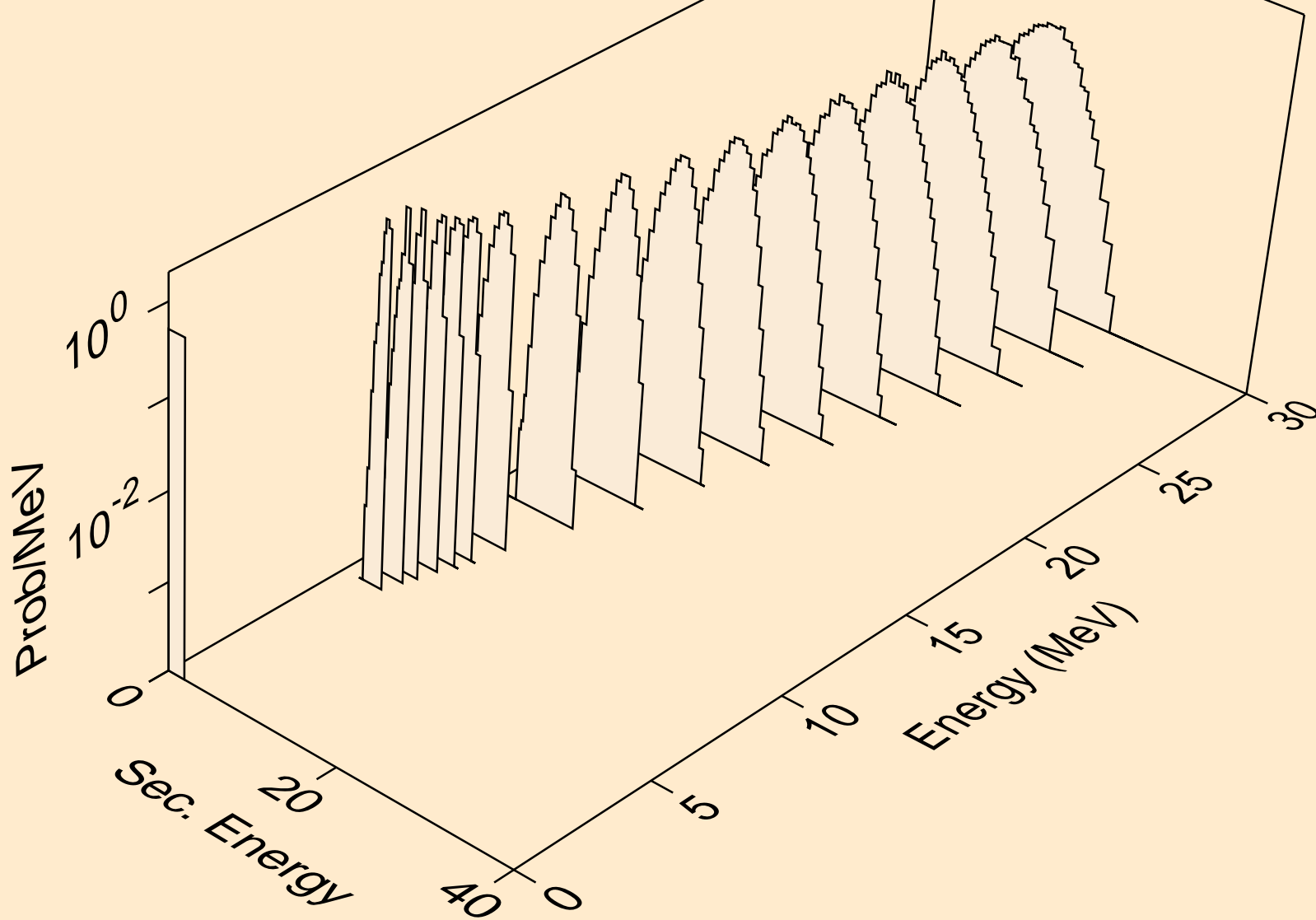
HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,d)



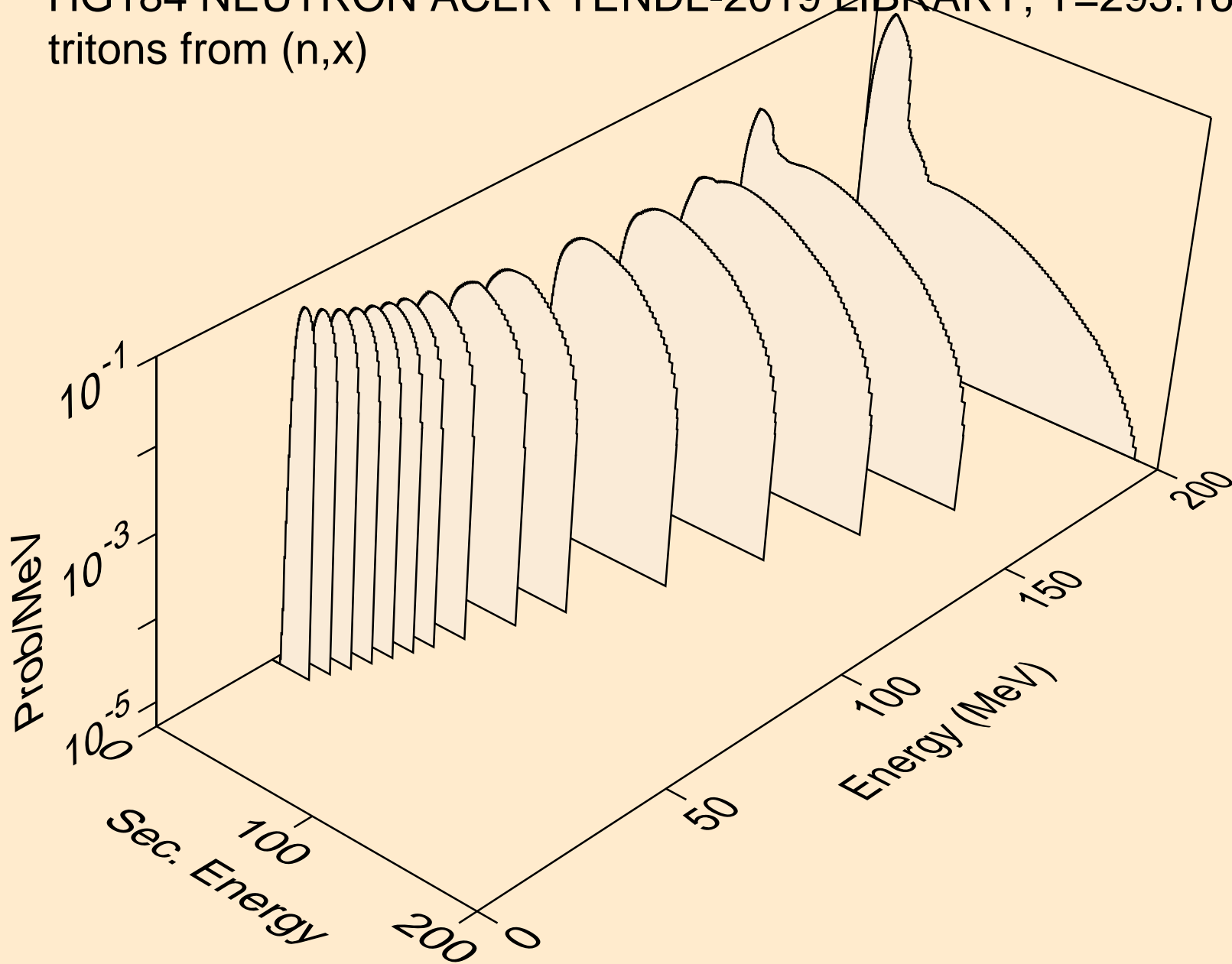
HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,pd)



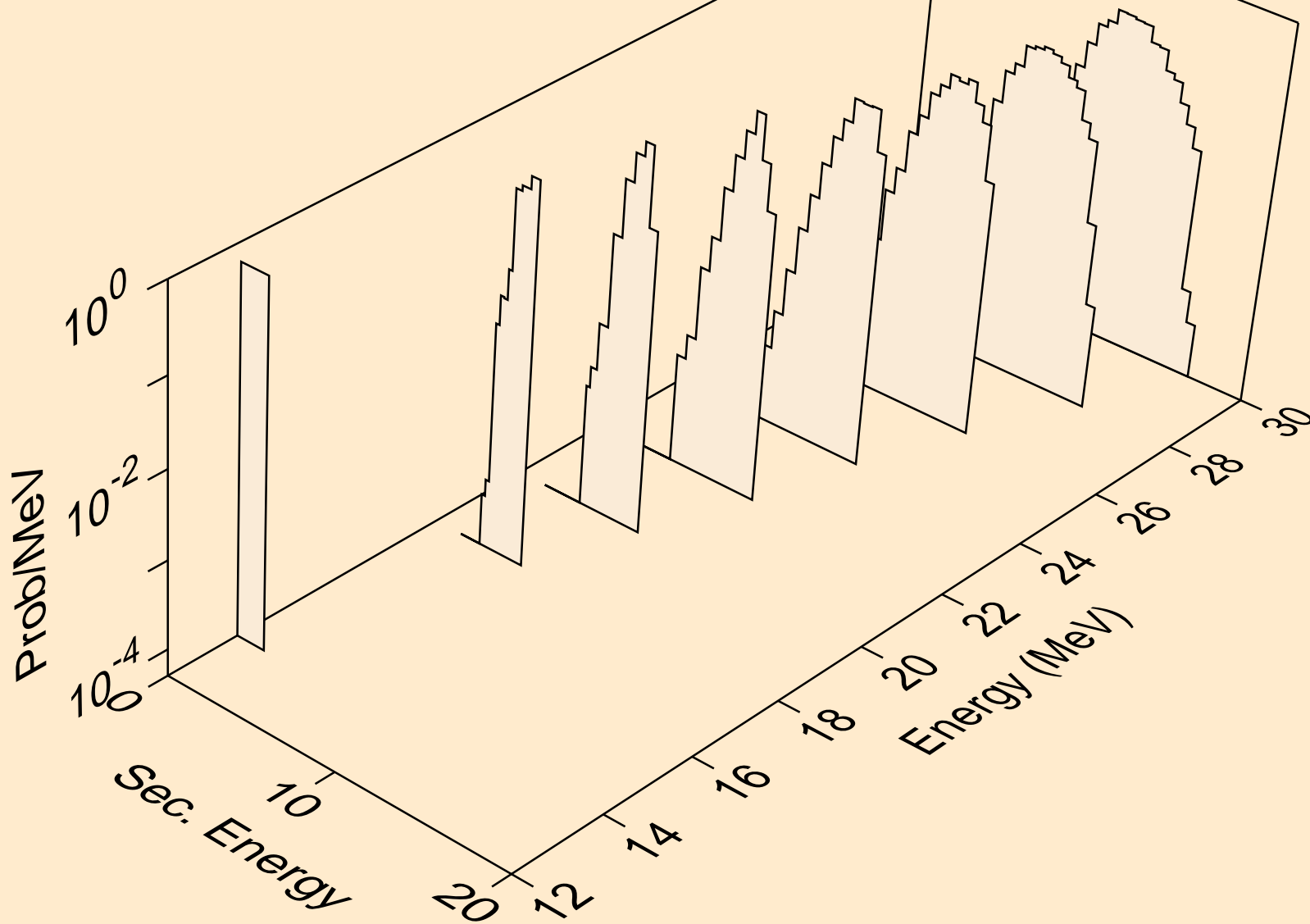
HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,da)



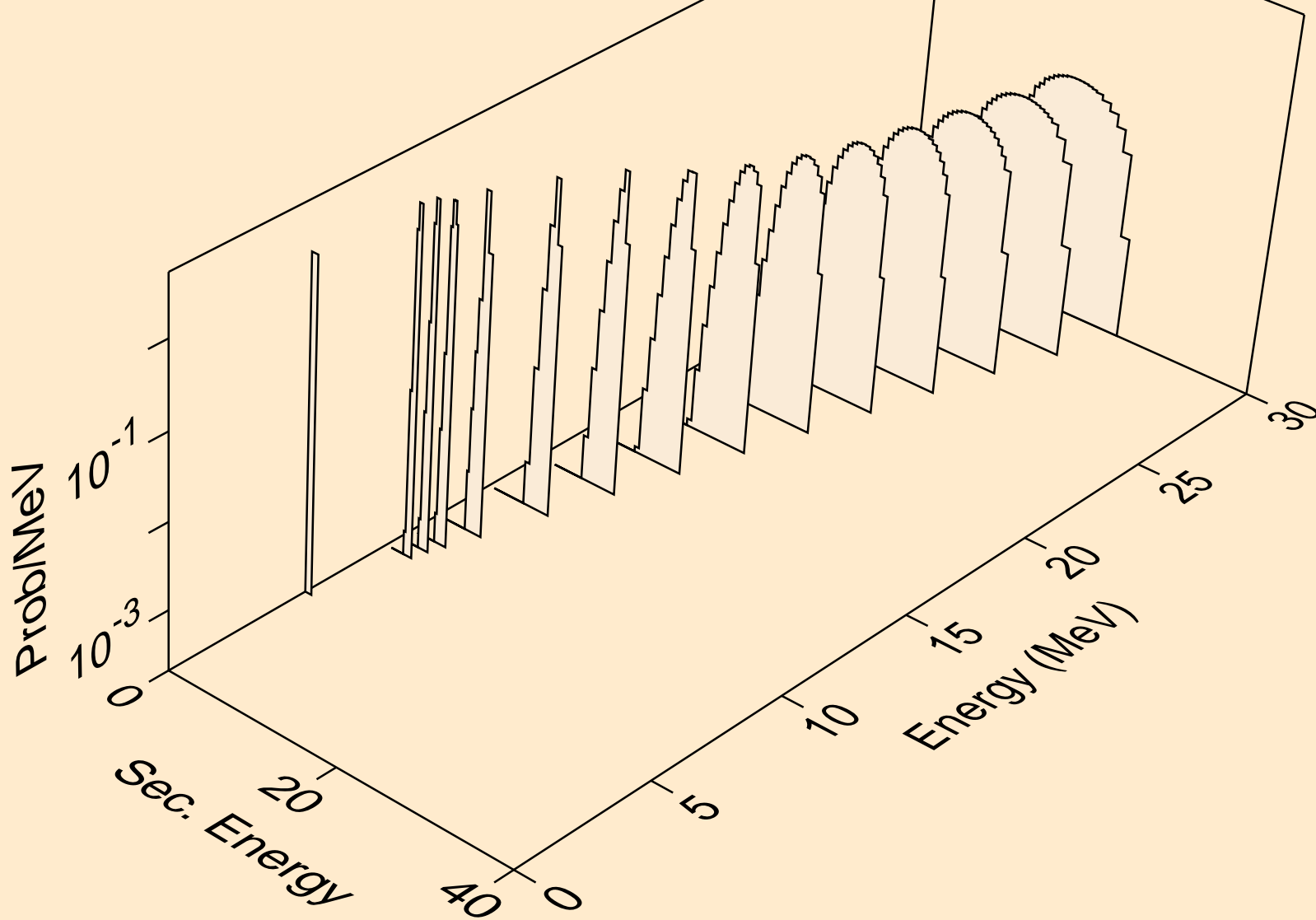
HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,x)



HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,n\*)t

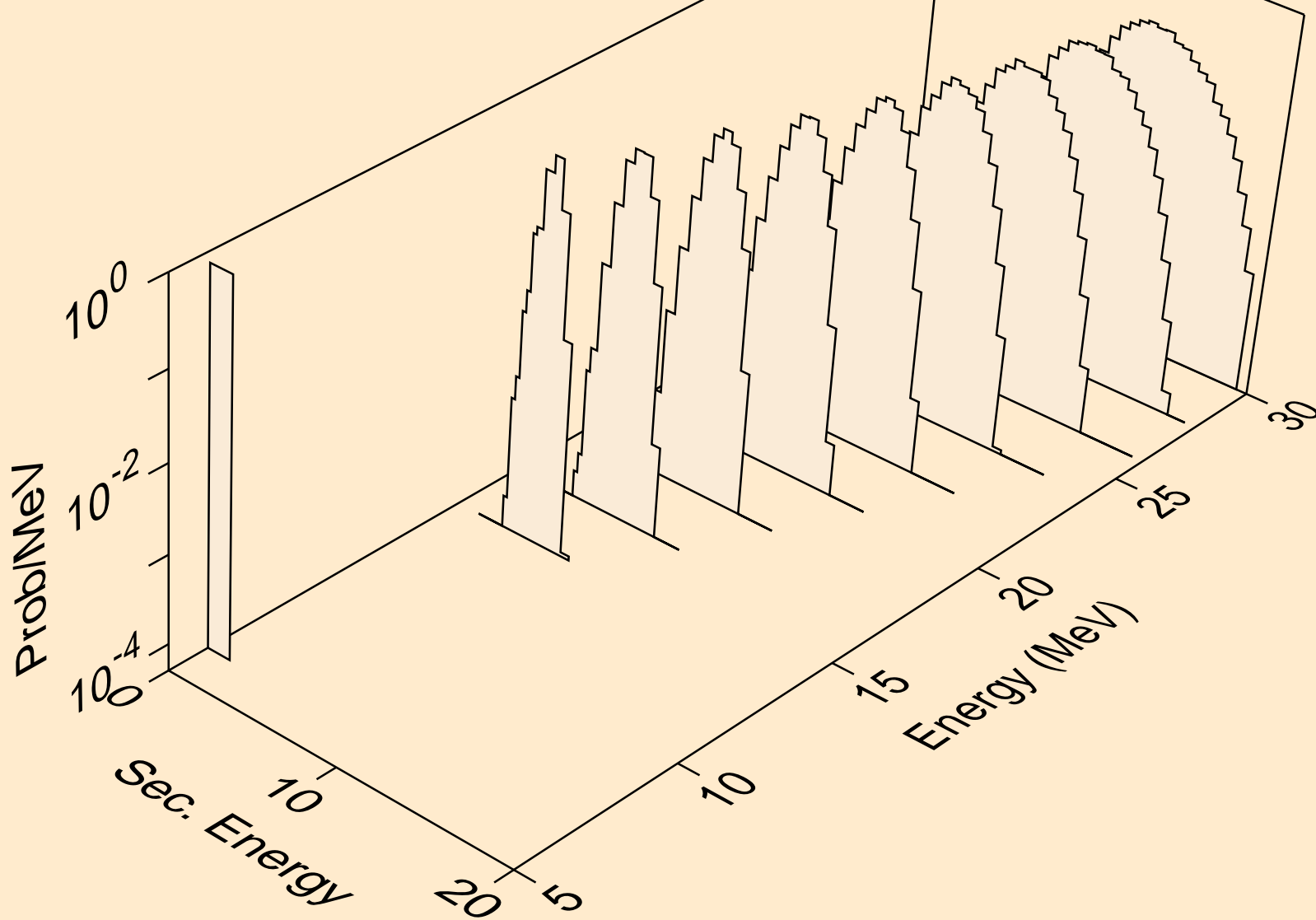


HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,t)

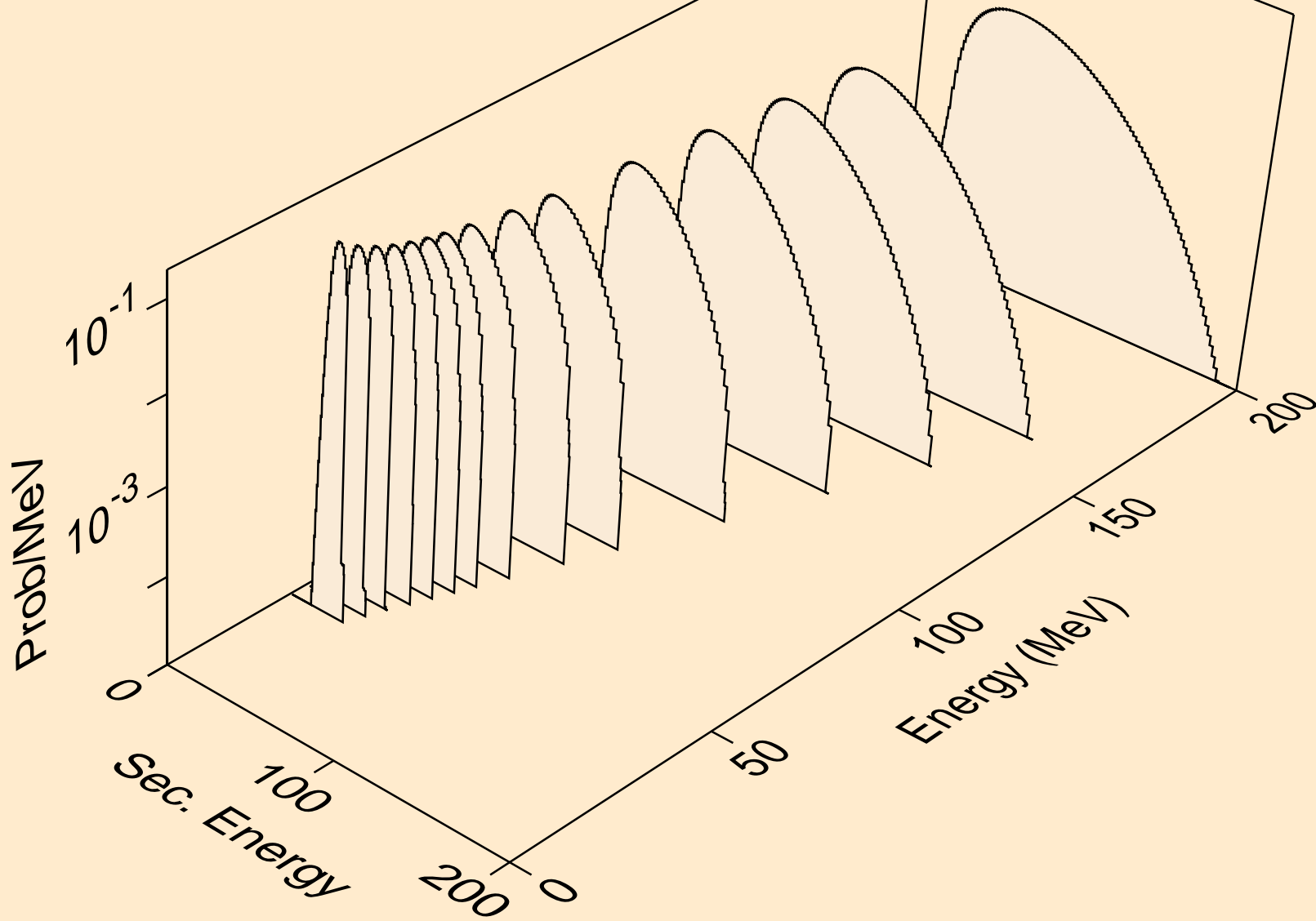




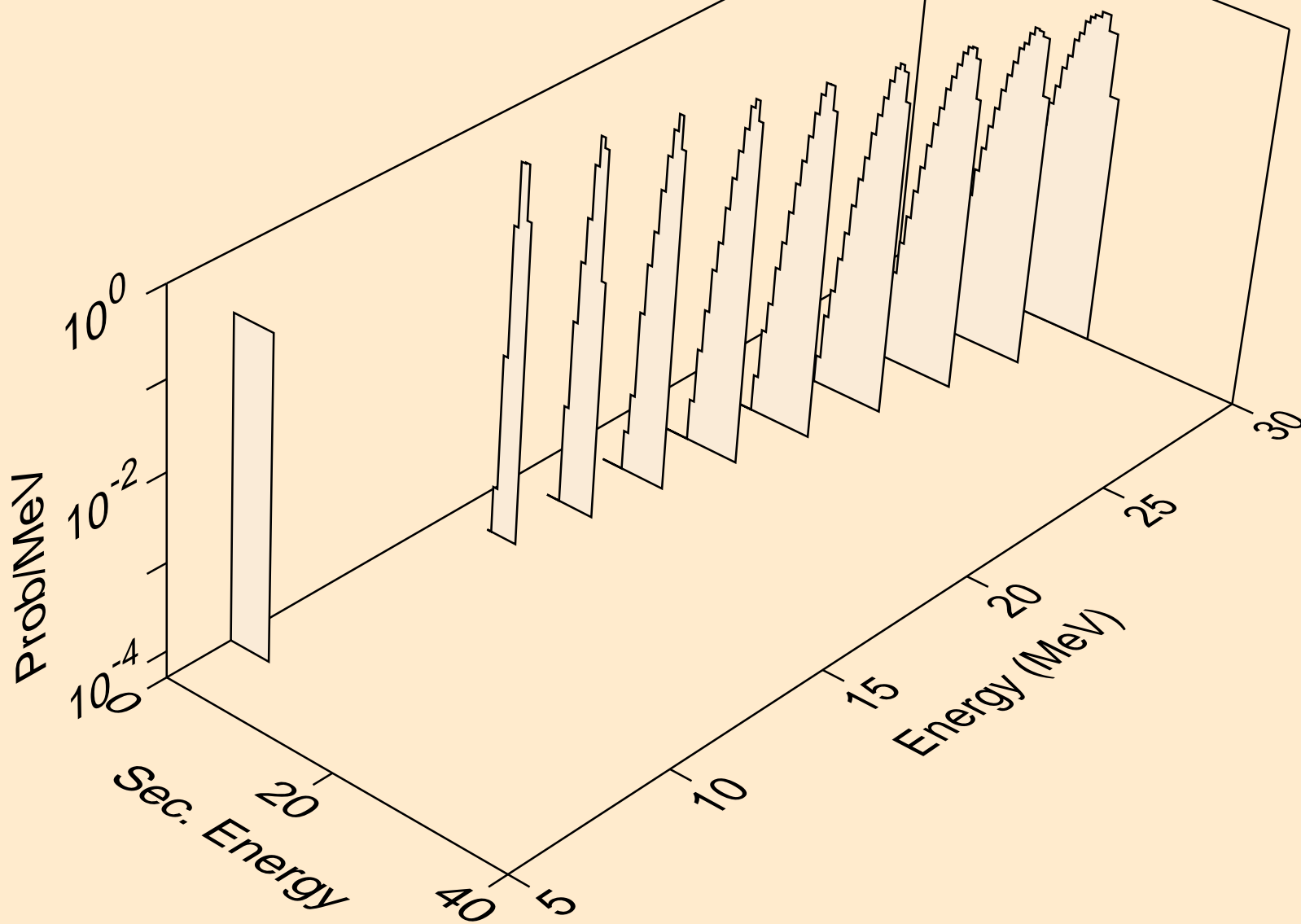
HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,pt)



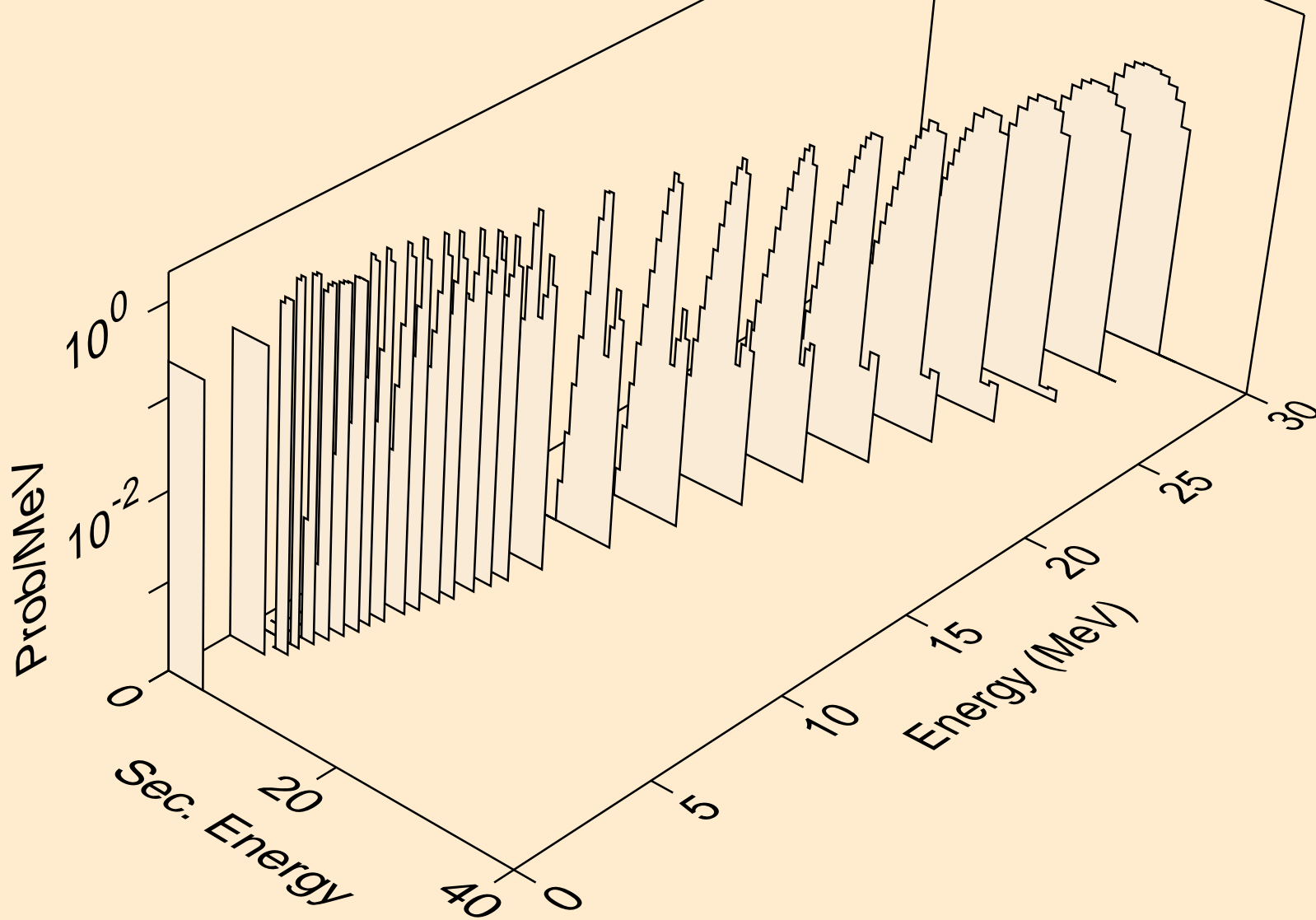
HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,x)



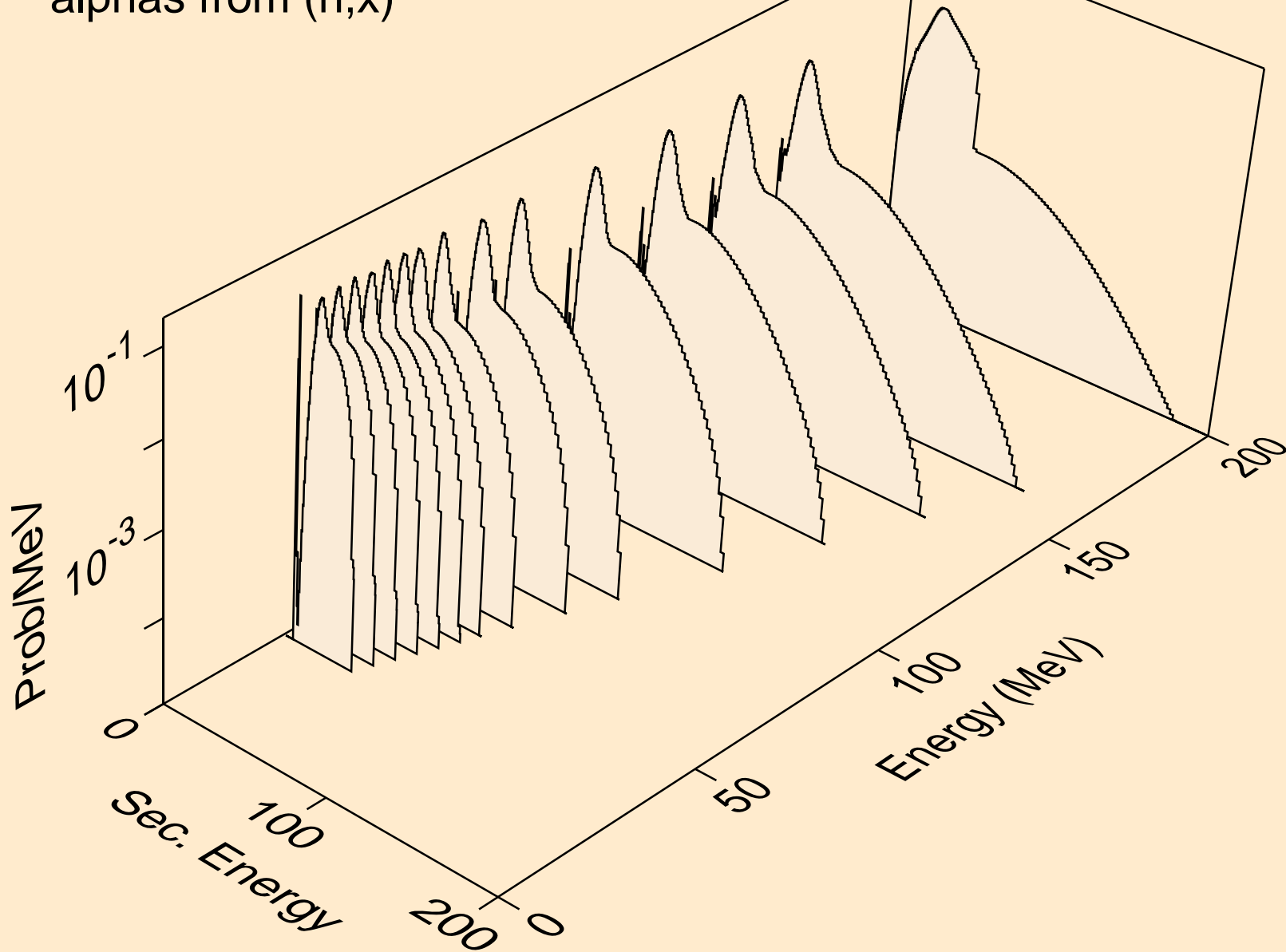
HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,n\*)he3



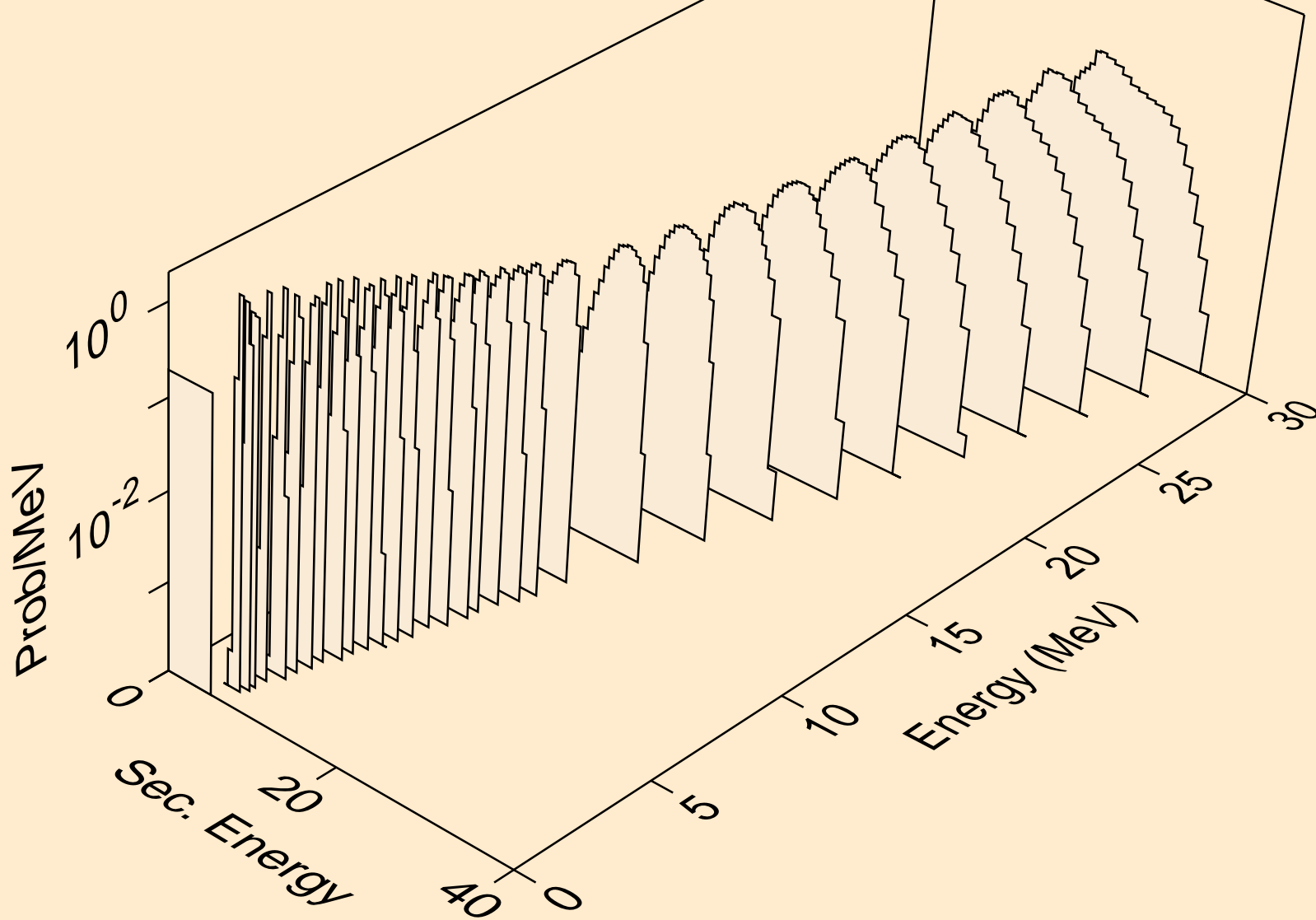
HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,he3)



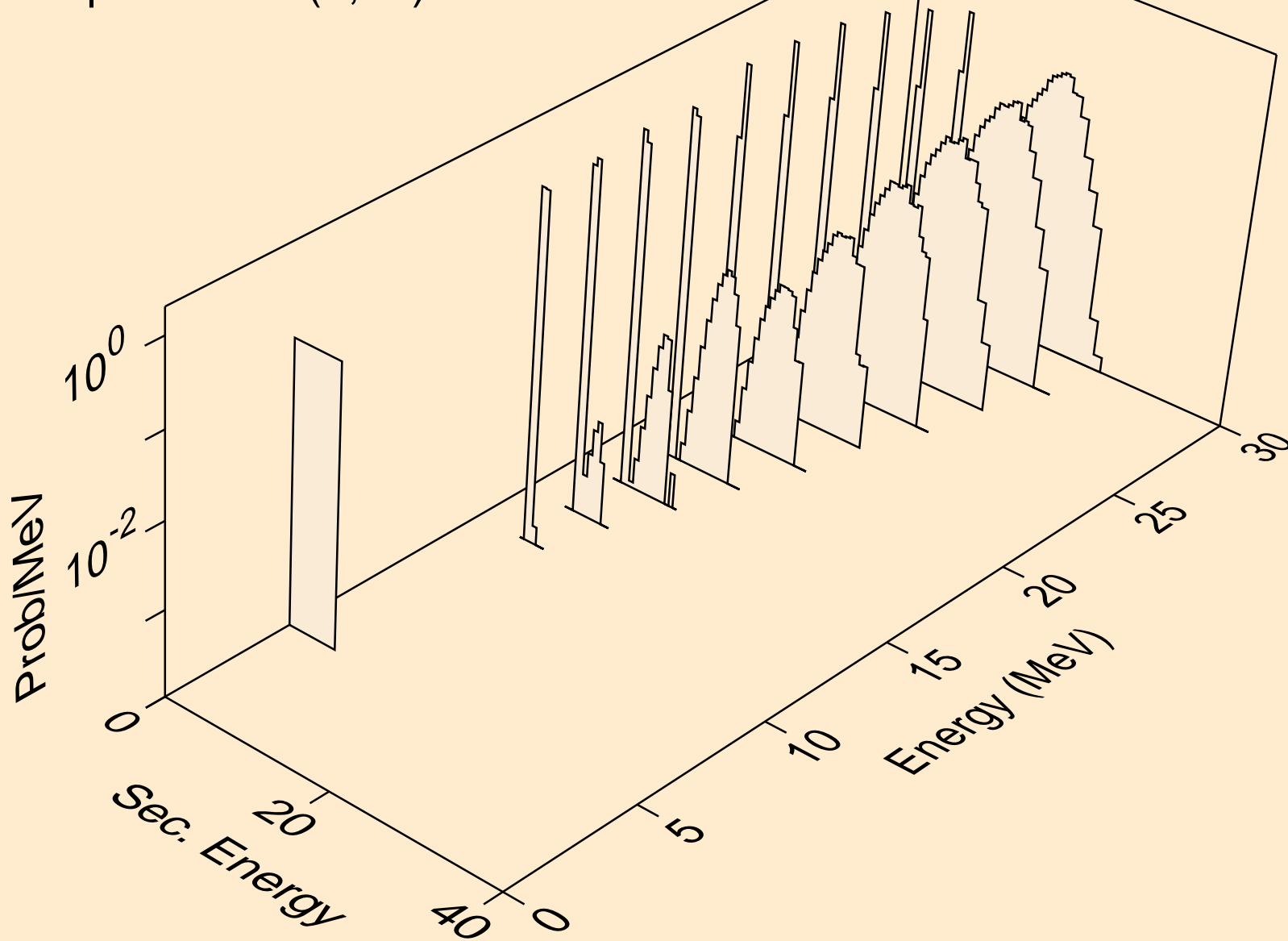
HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,x)



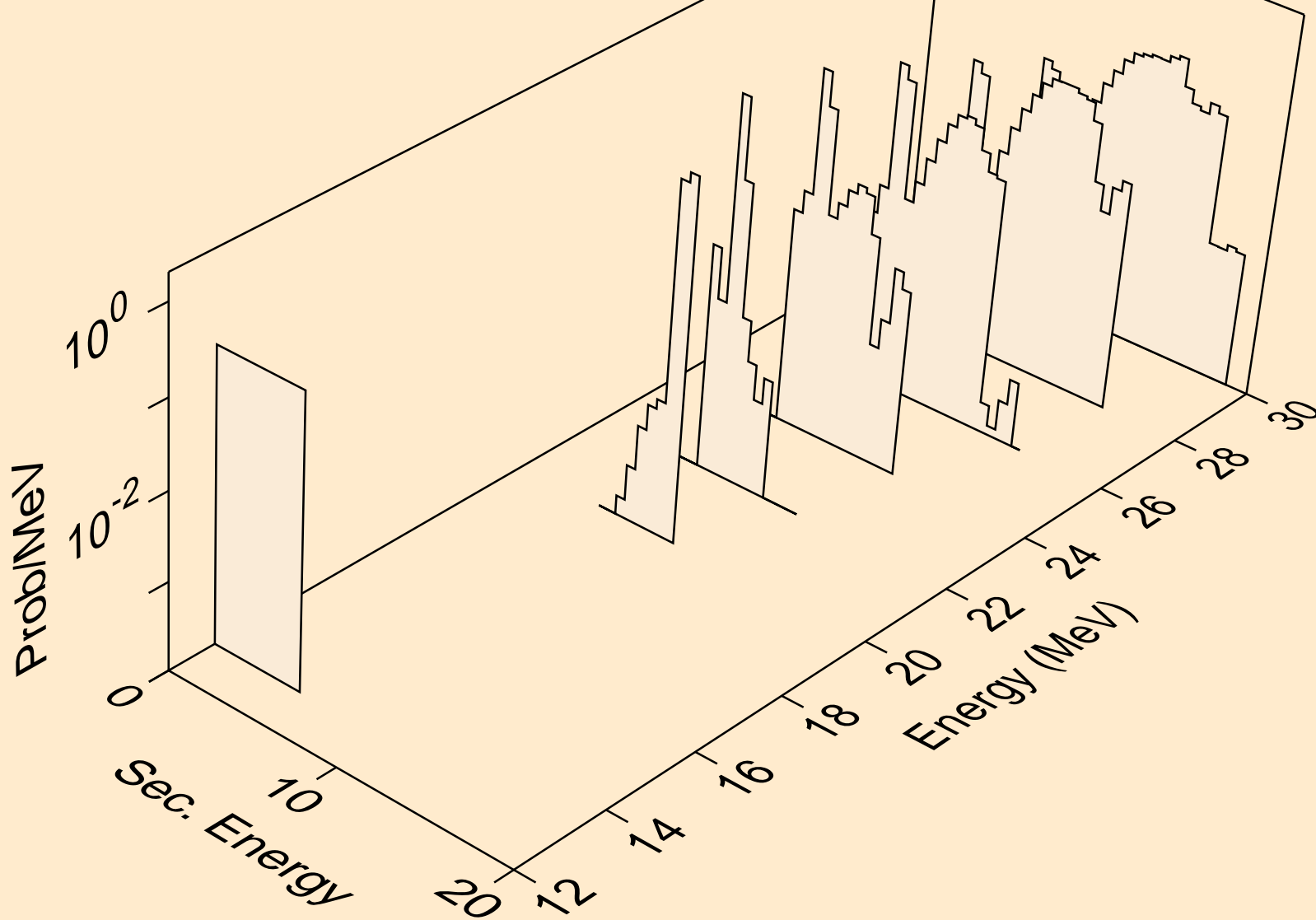
HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)a



HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2n)a

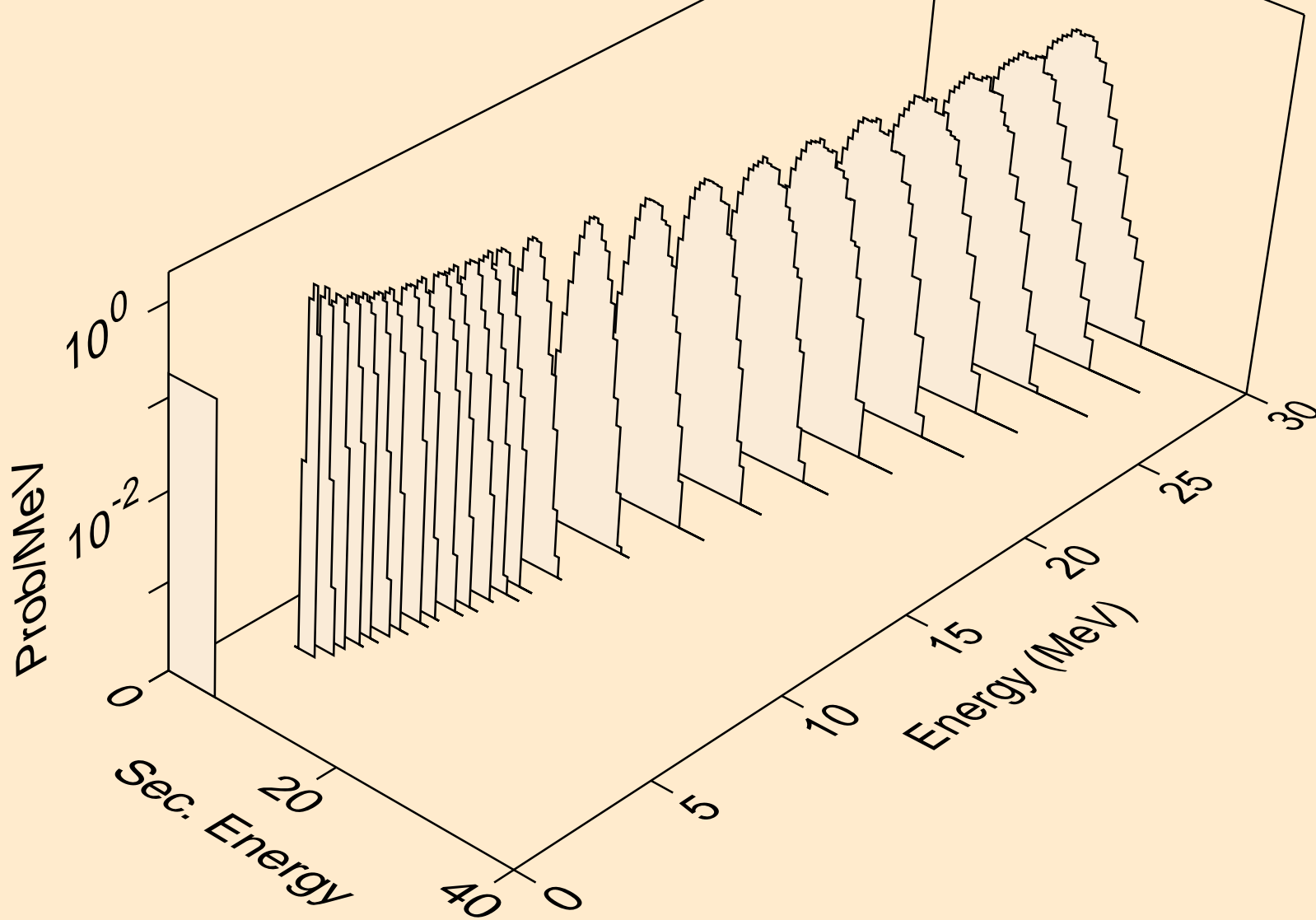


HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,3n) $\alpha$

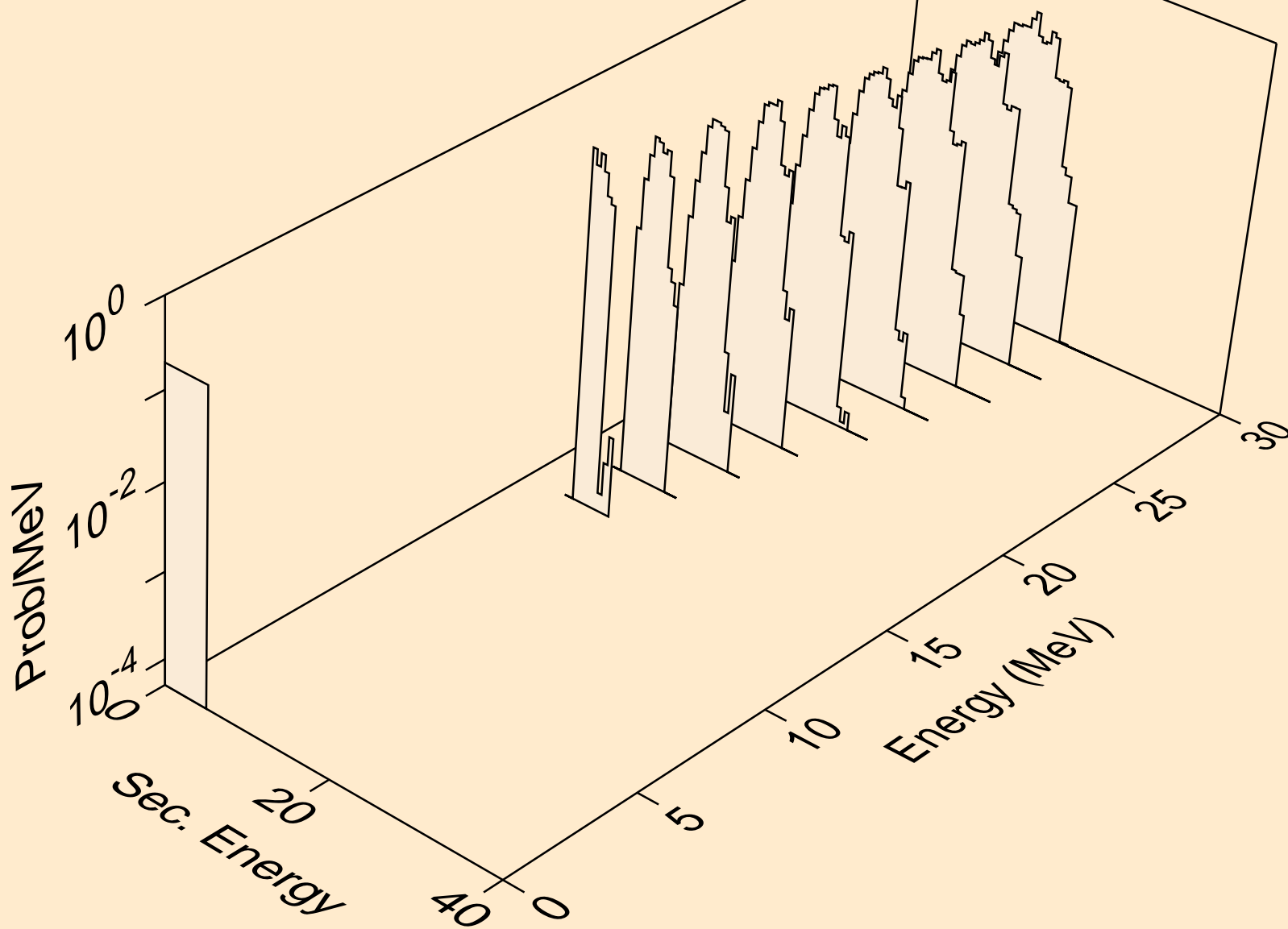




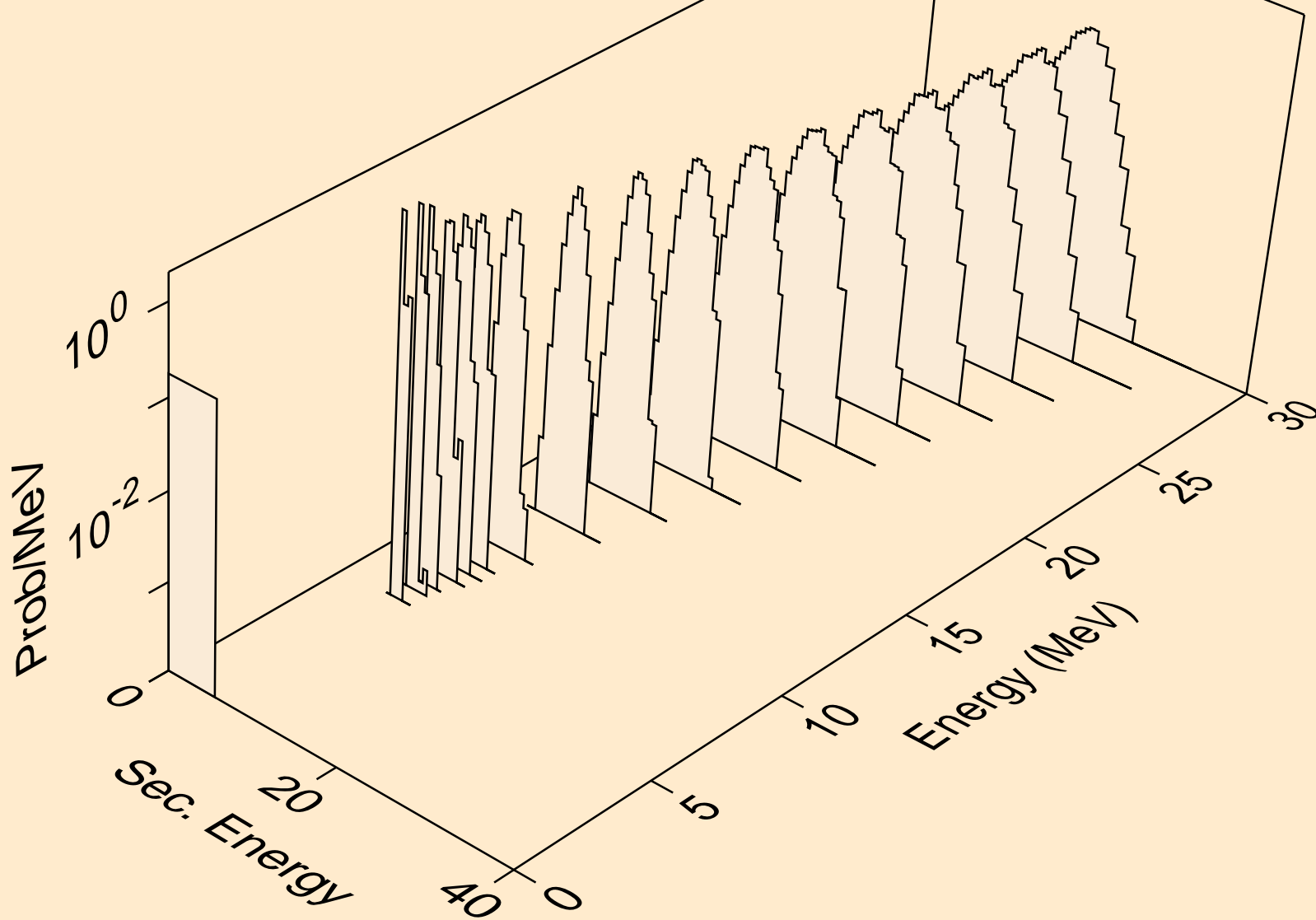
HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)2a



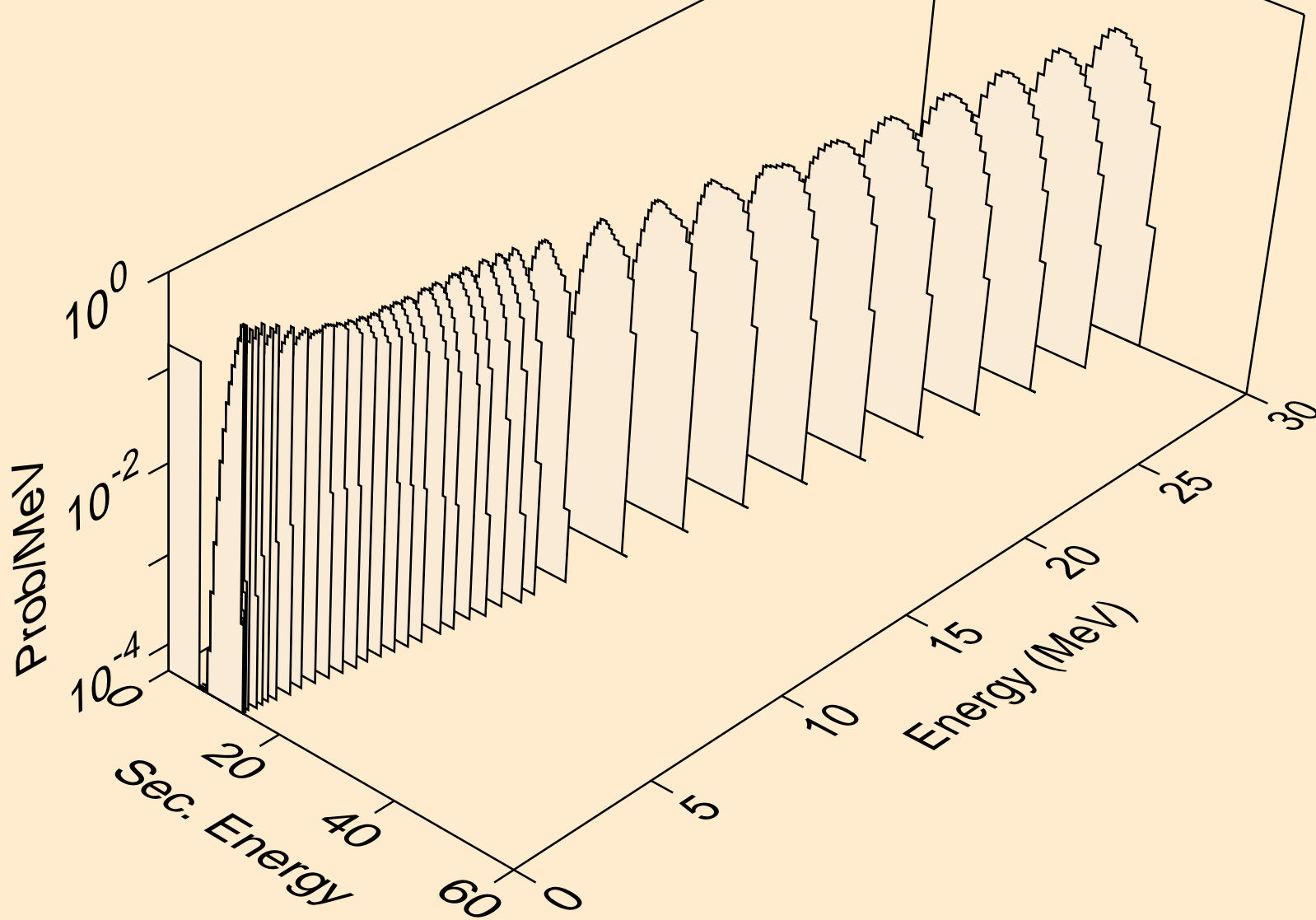
HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2n)2a



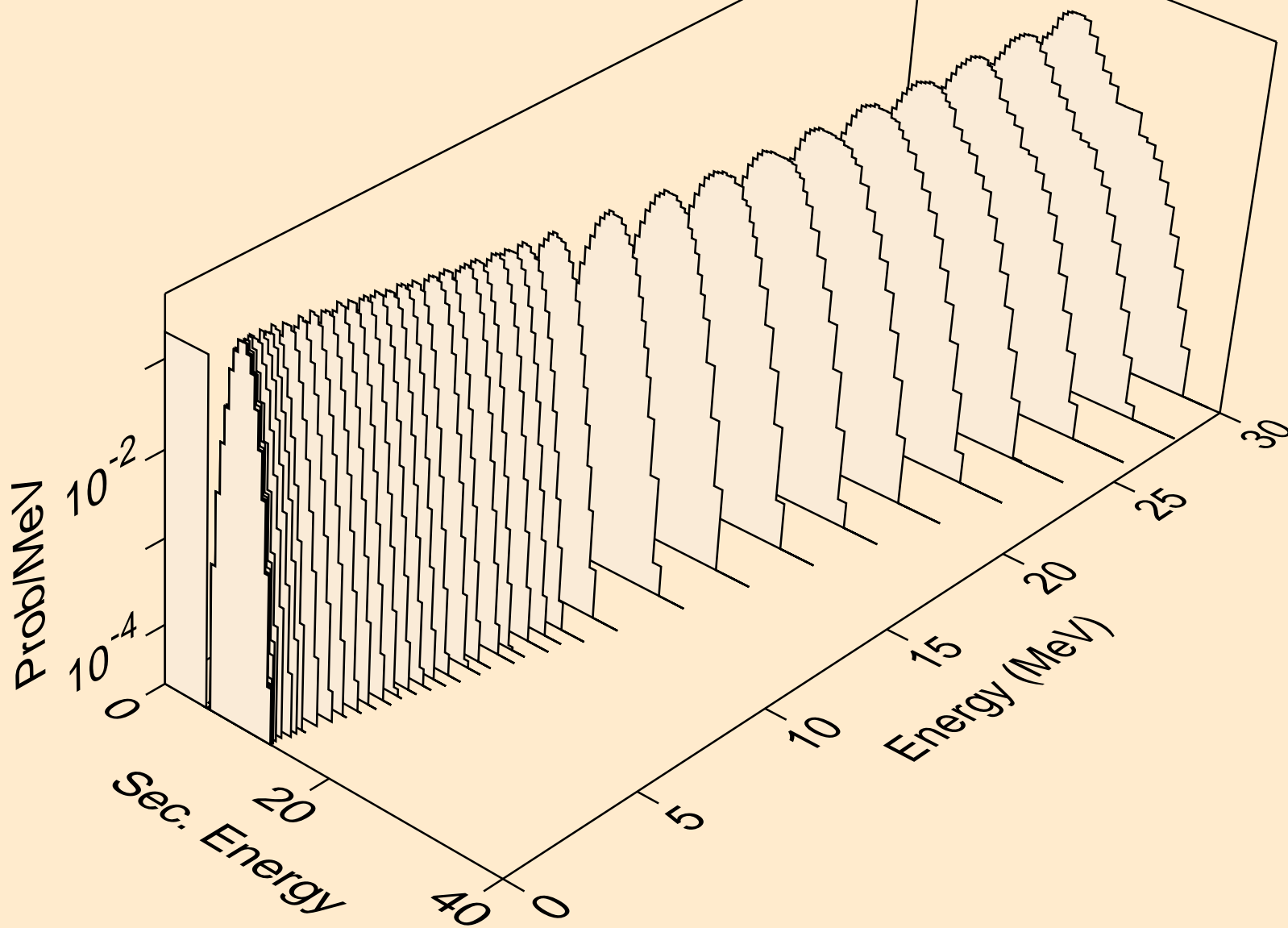
HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,npa)



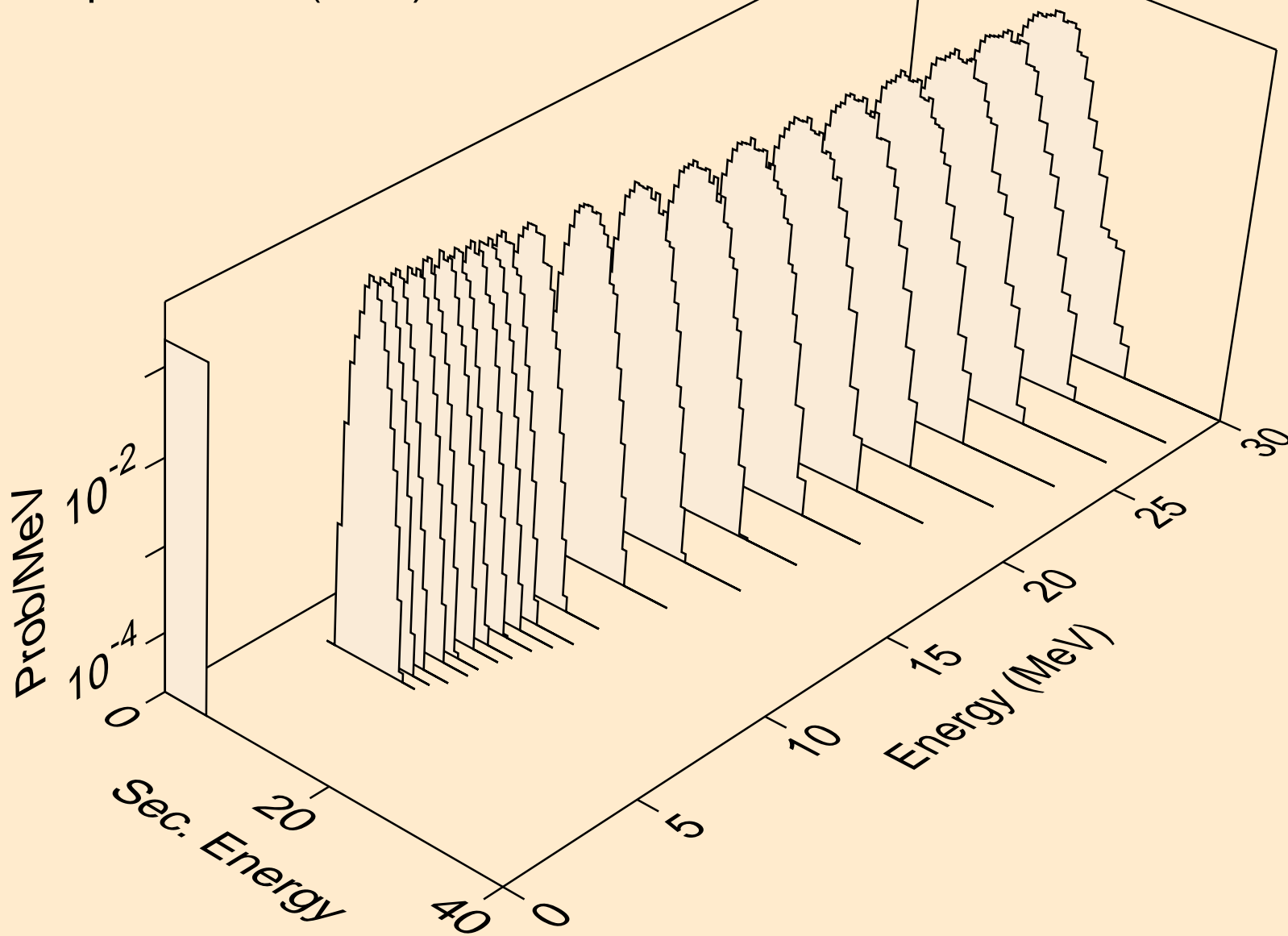
HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,a)



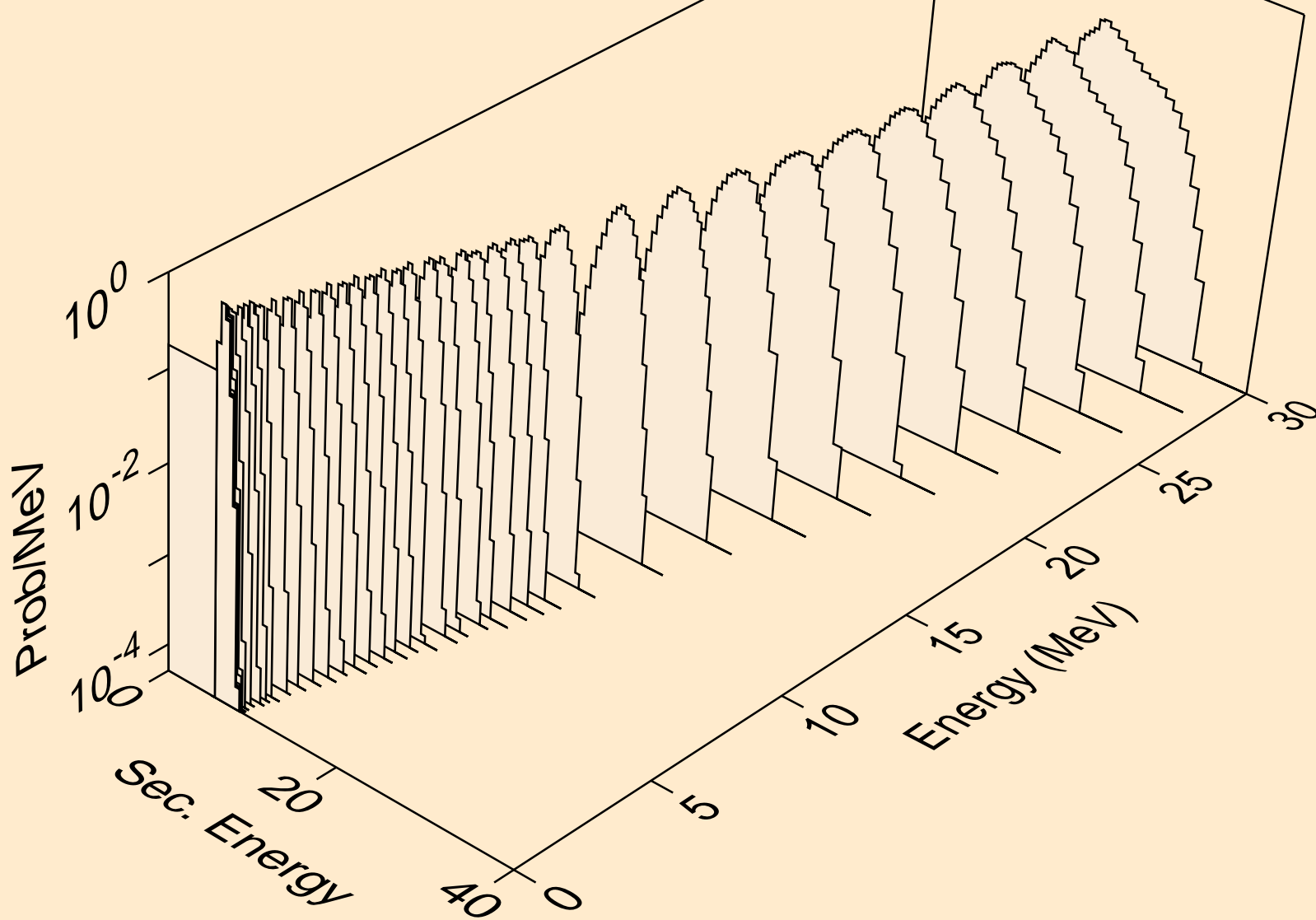
HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2a)



HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,3a)



HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,pa)



HG184 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,da)

