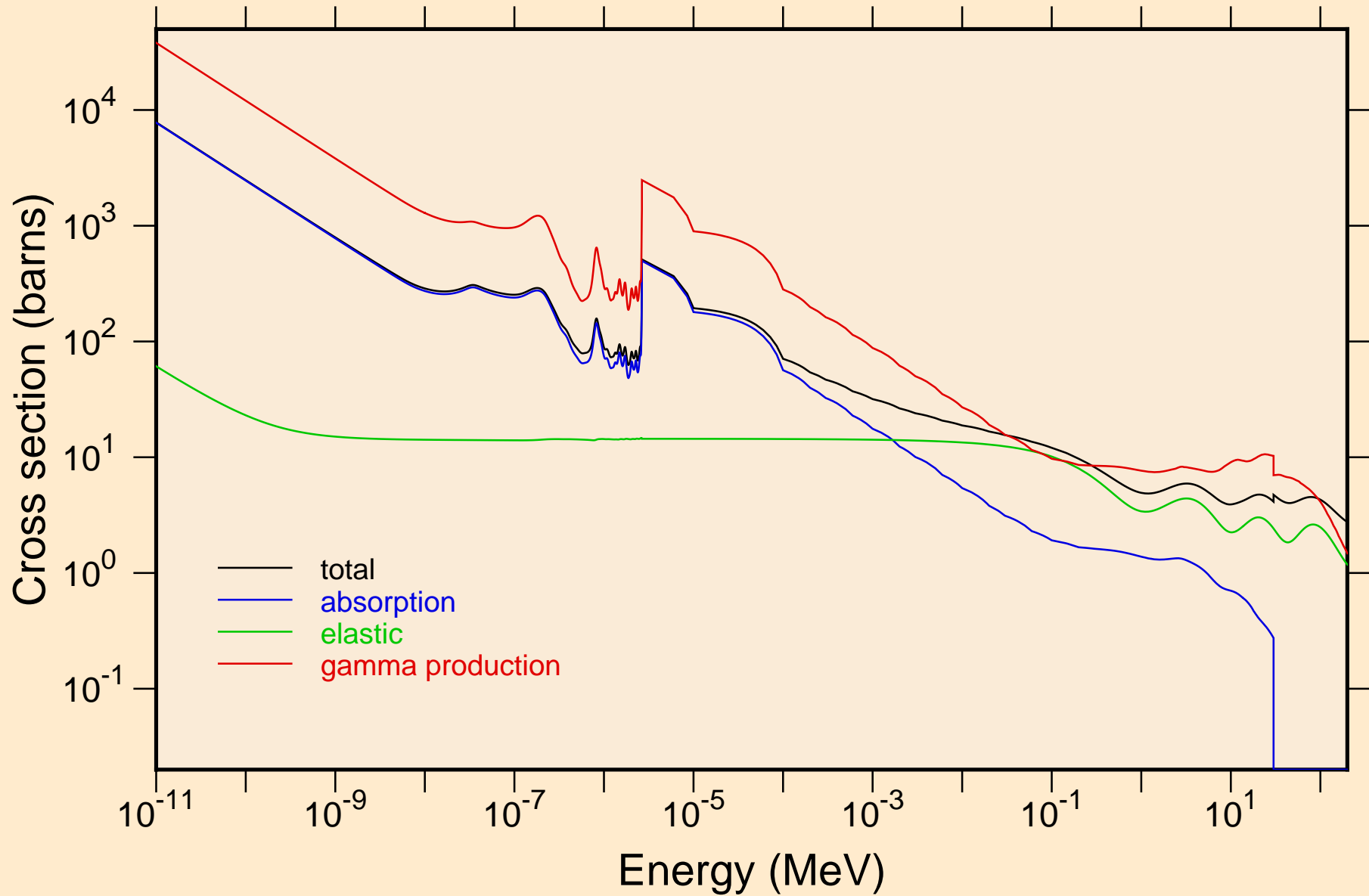
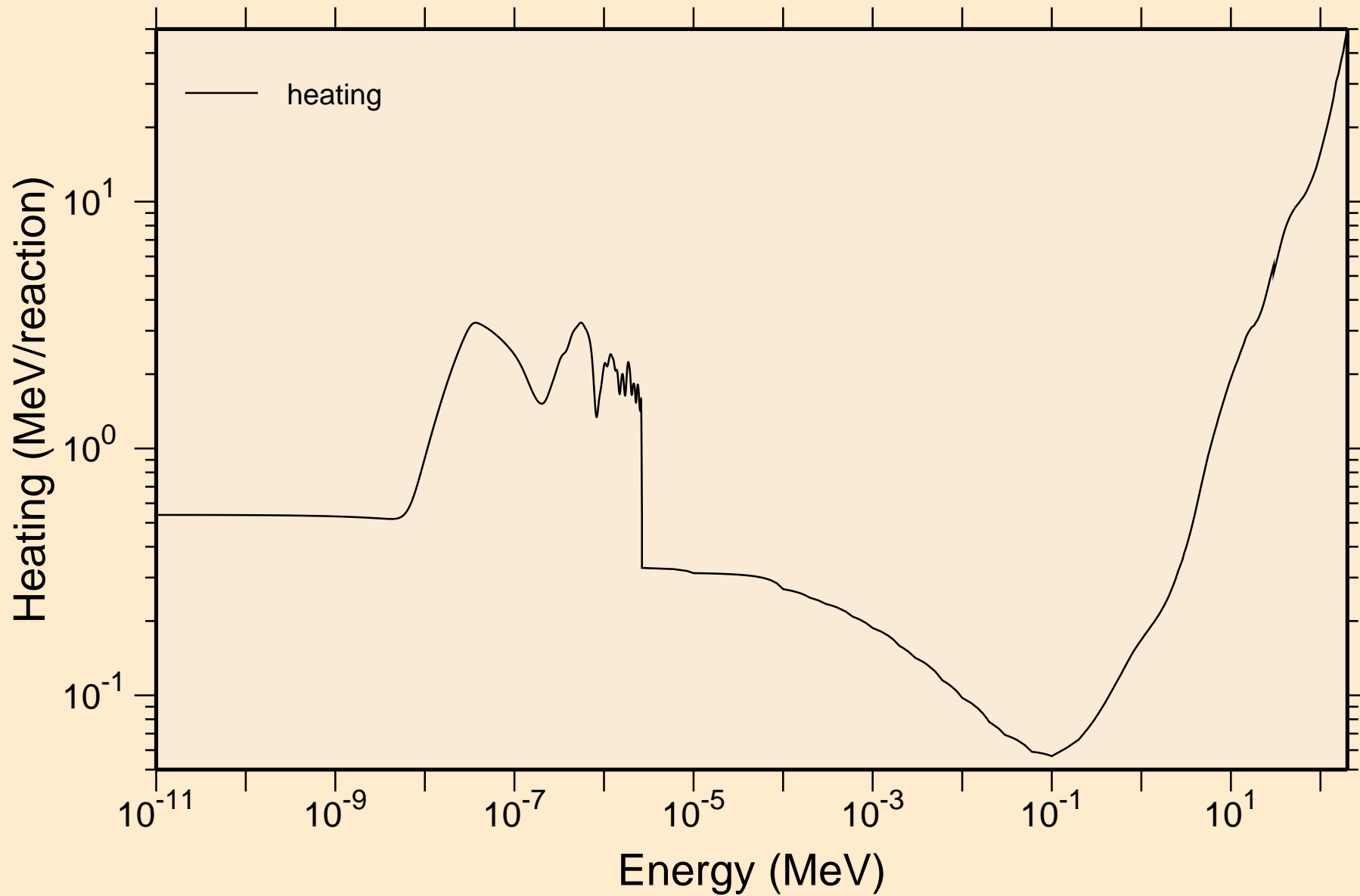


HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Principal cross sections

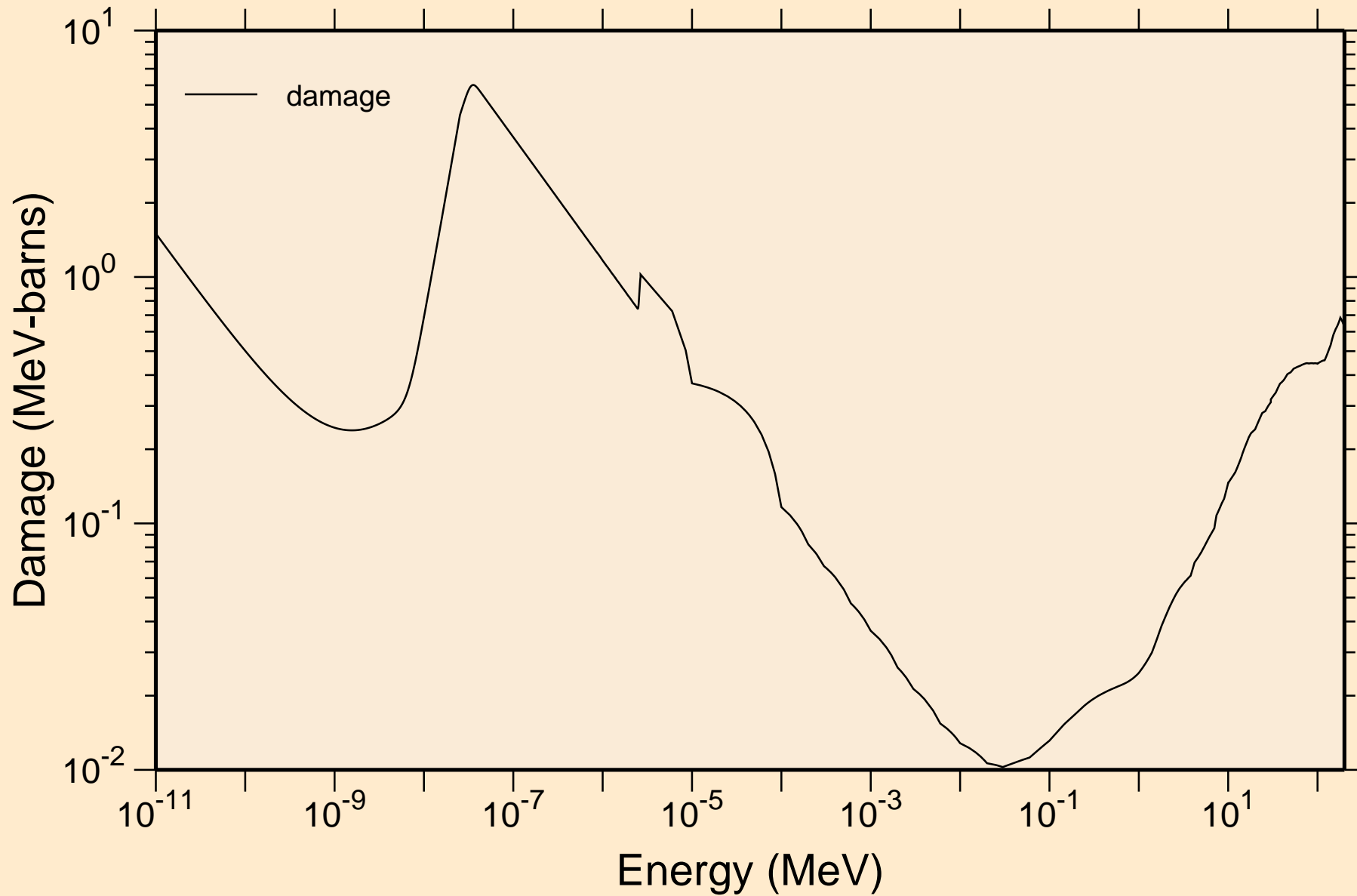


HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Heating

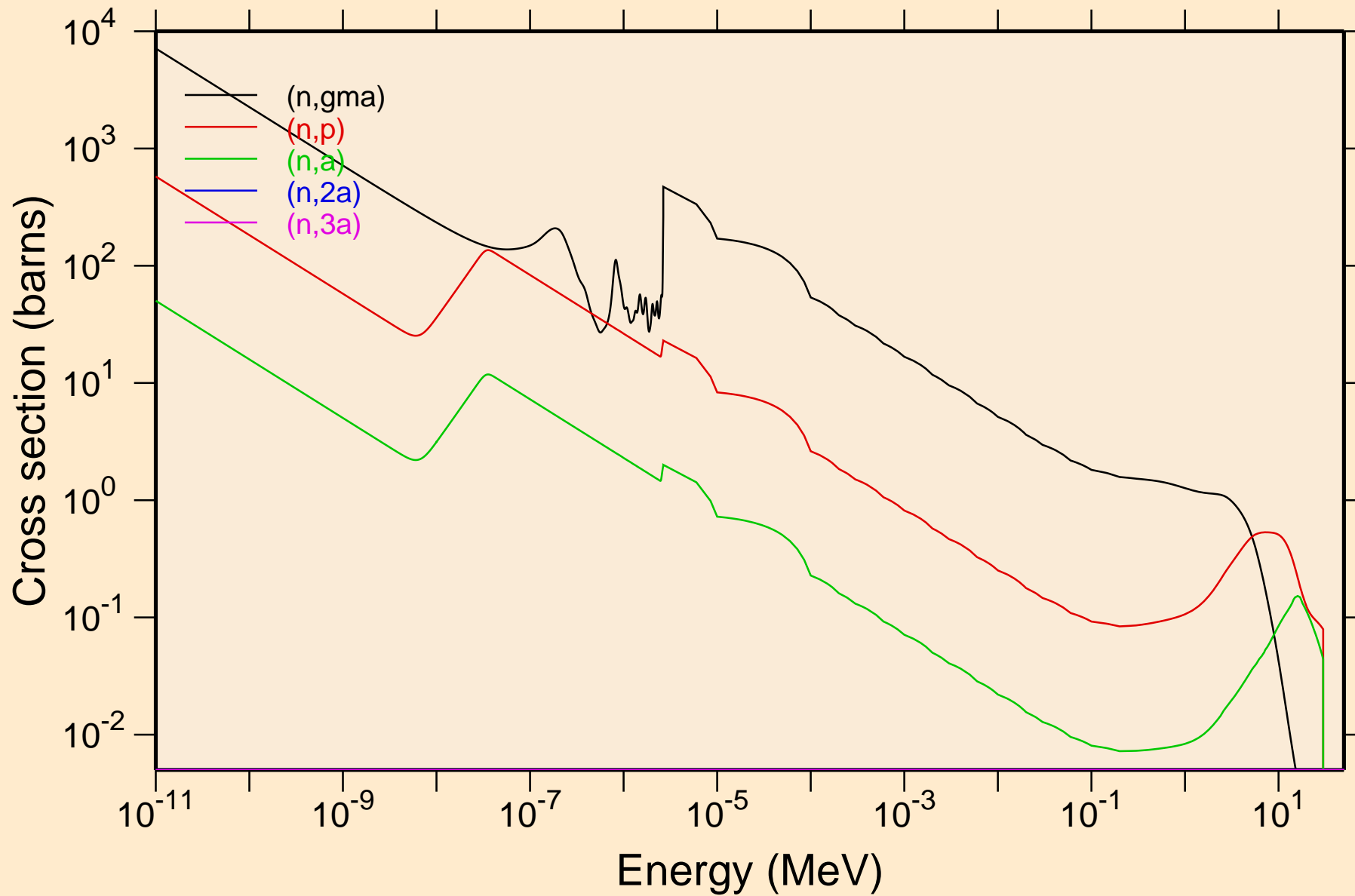


# HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

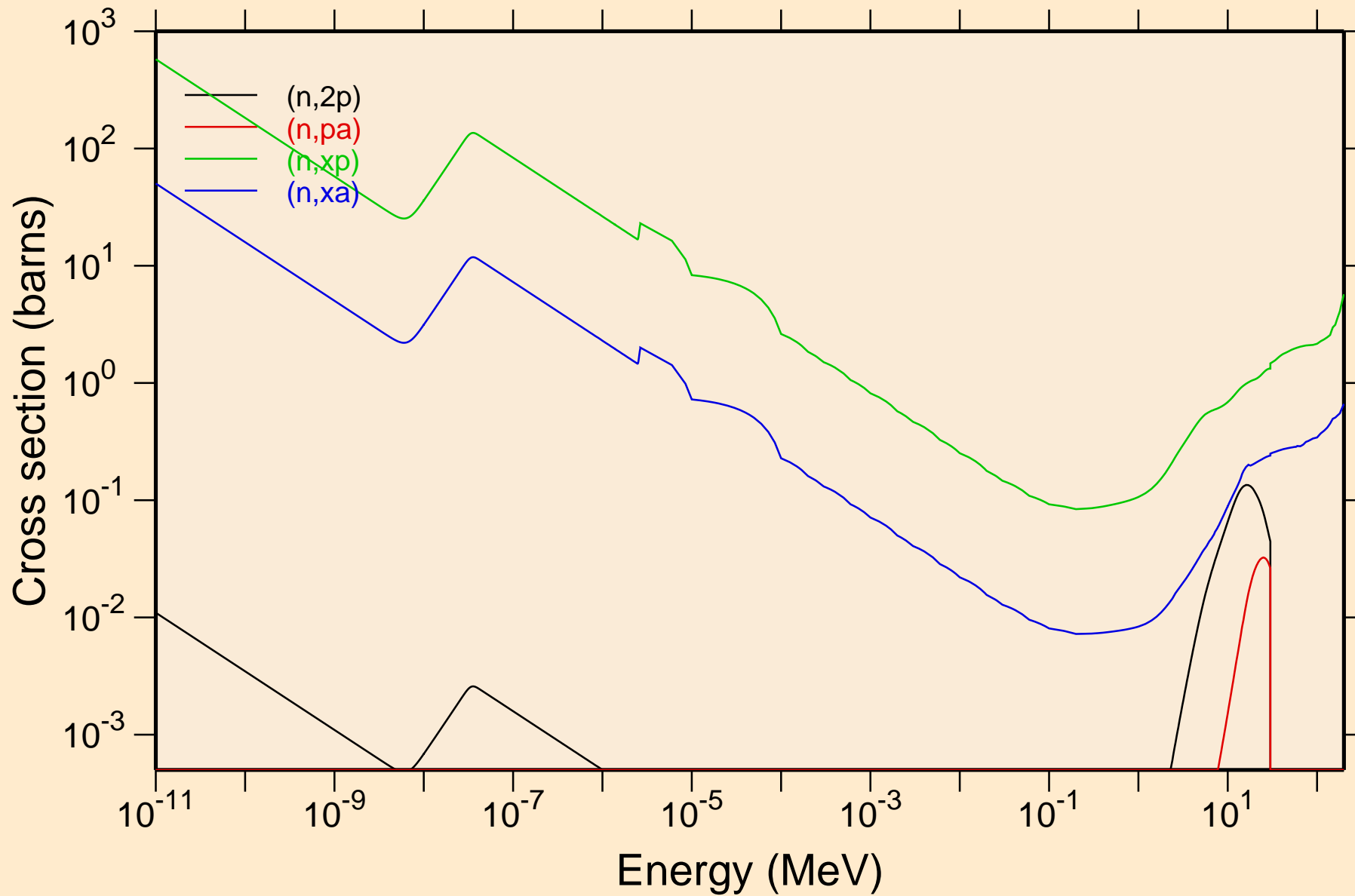
## Damage



HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions

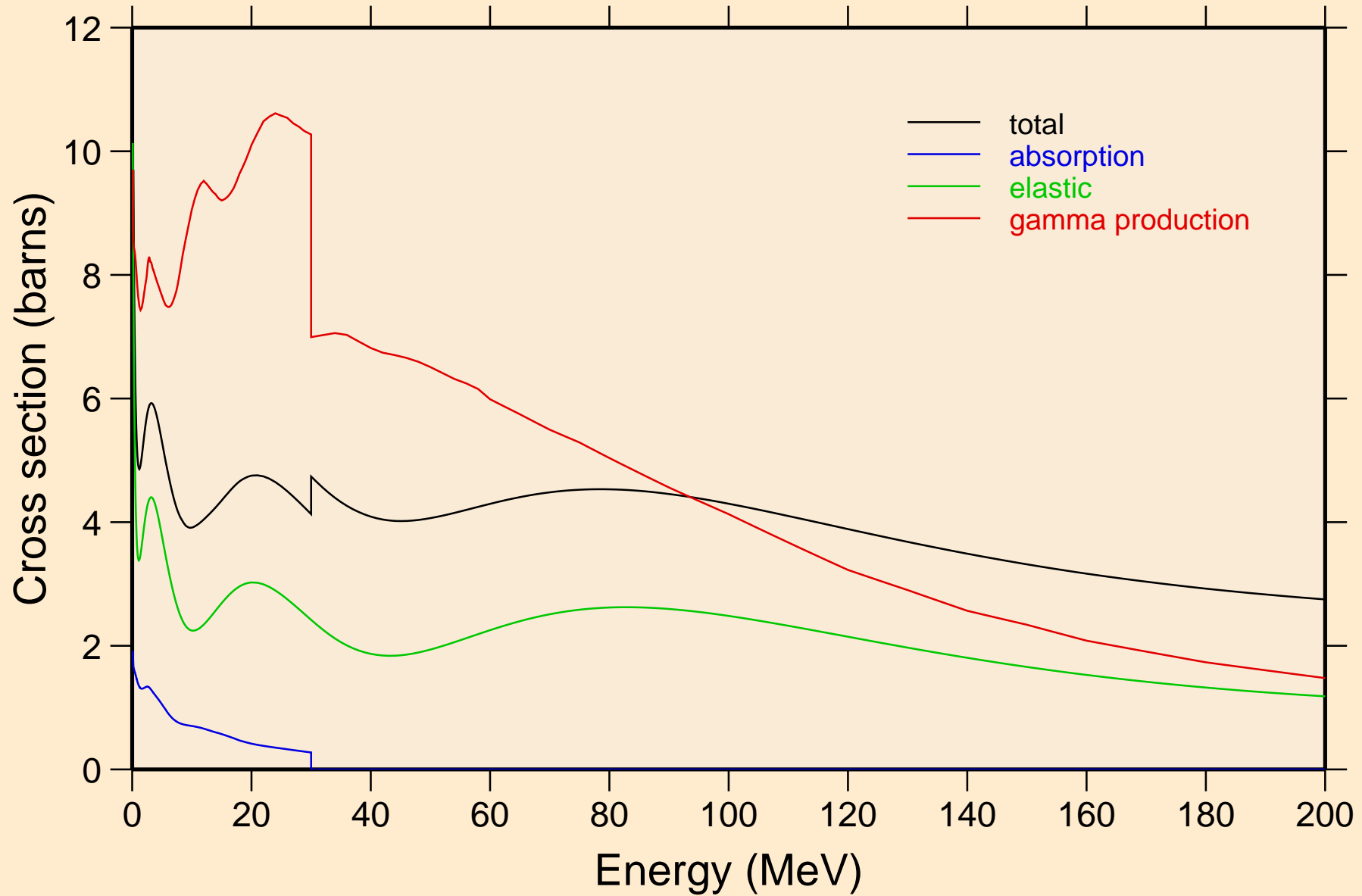


HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions

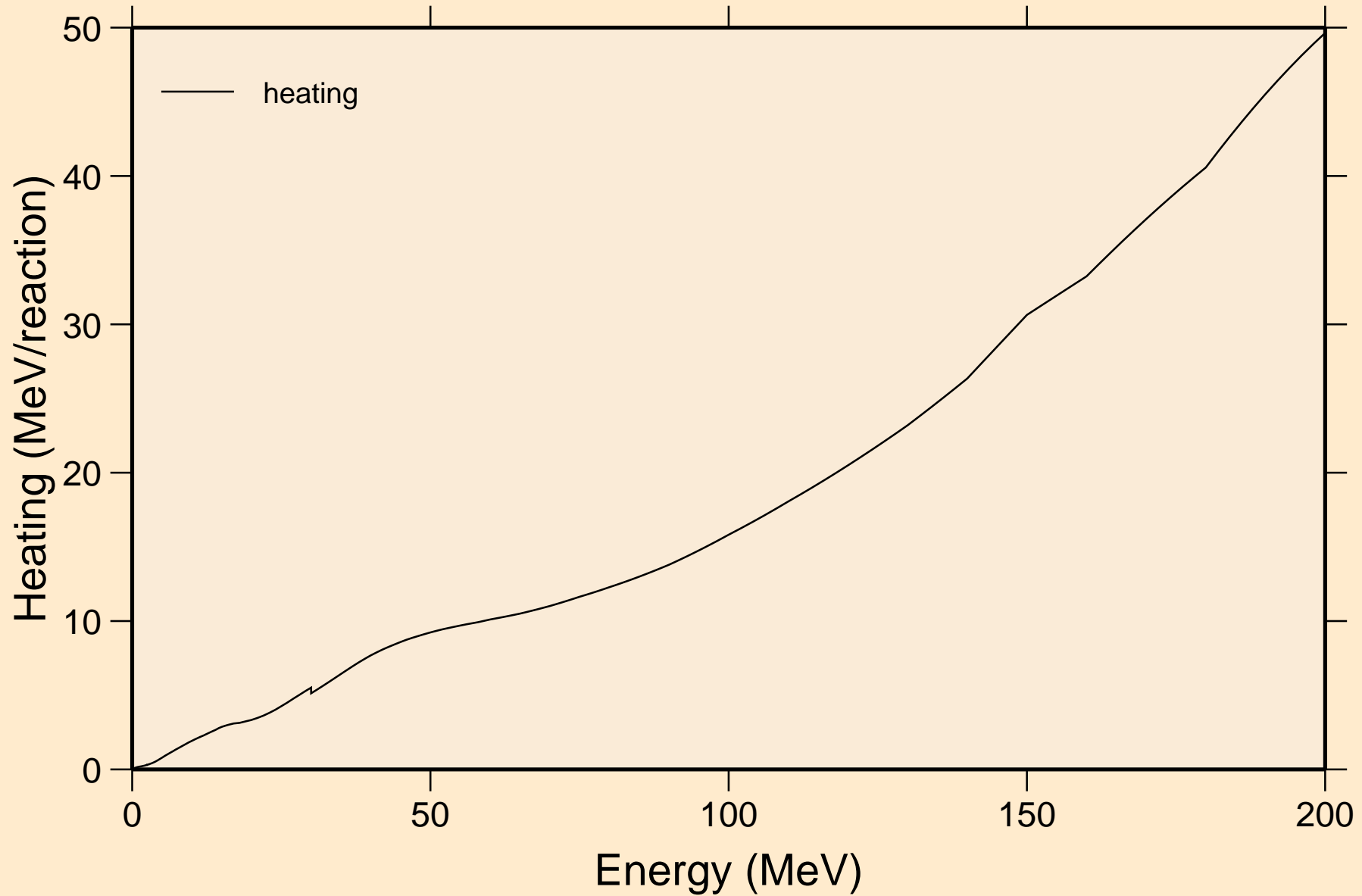


# HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

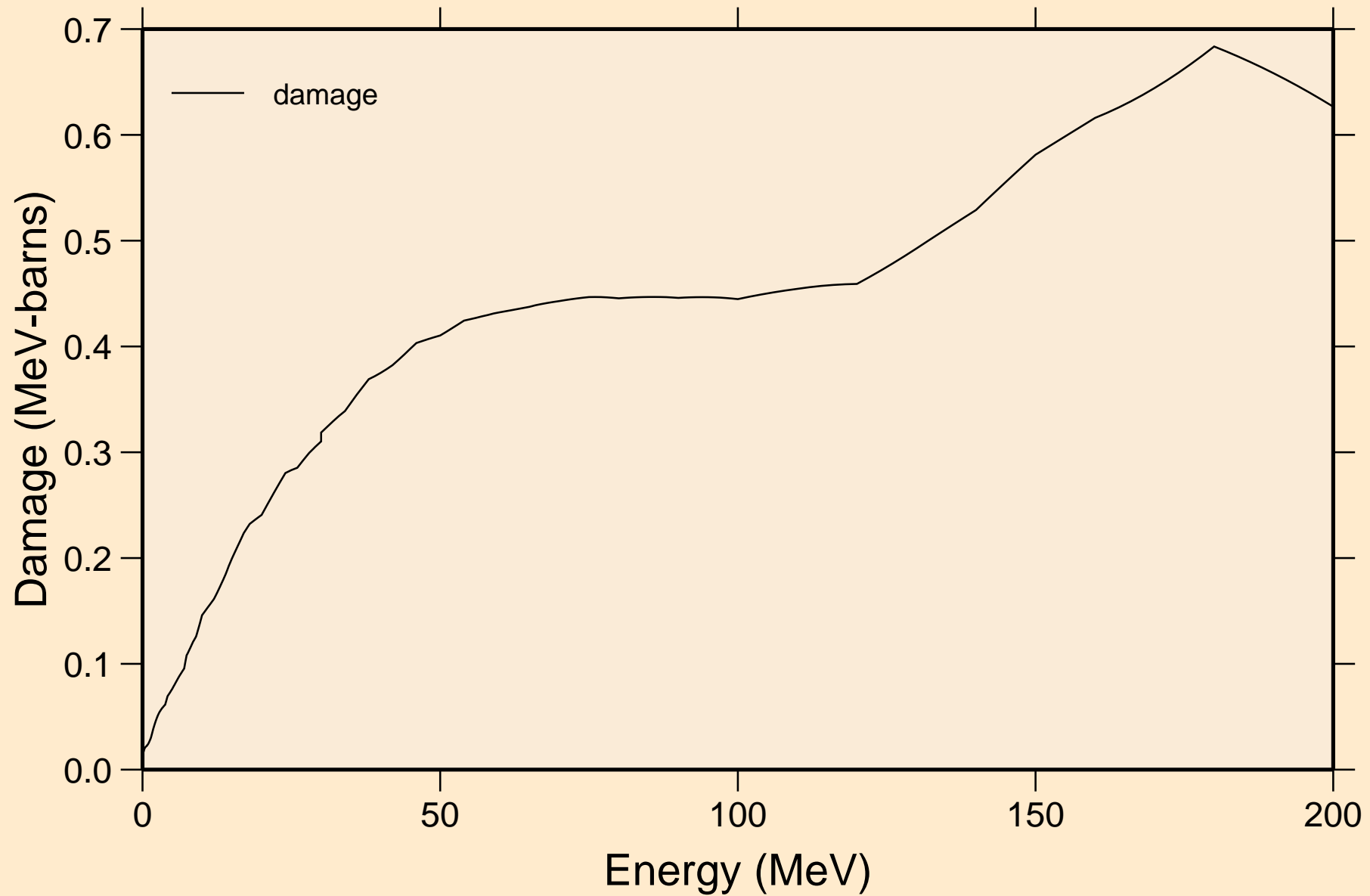
## Principal cross sections



HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Heating

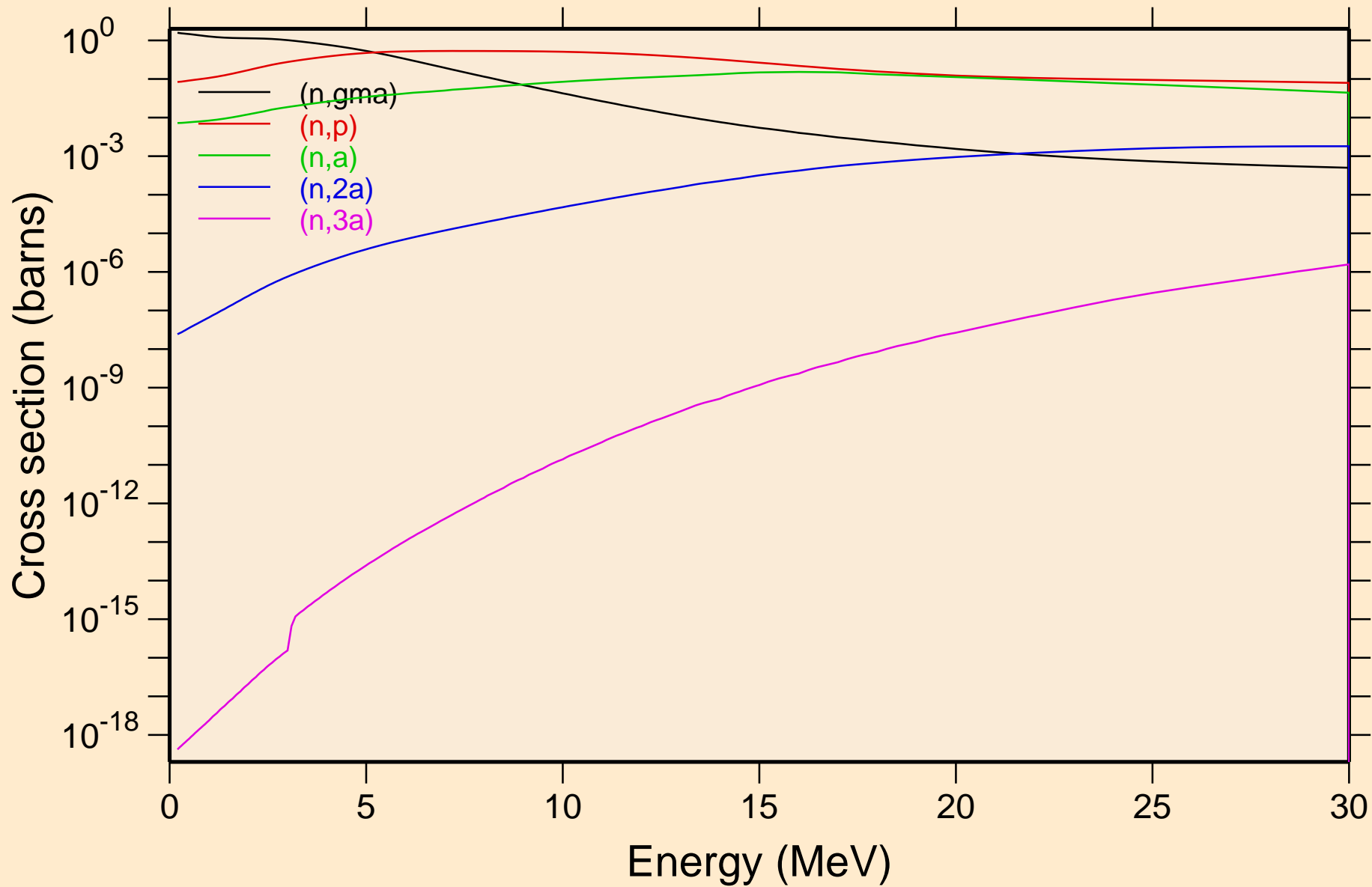


HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Damage

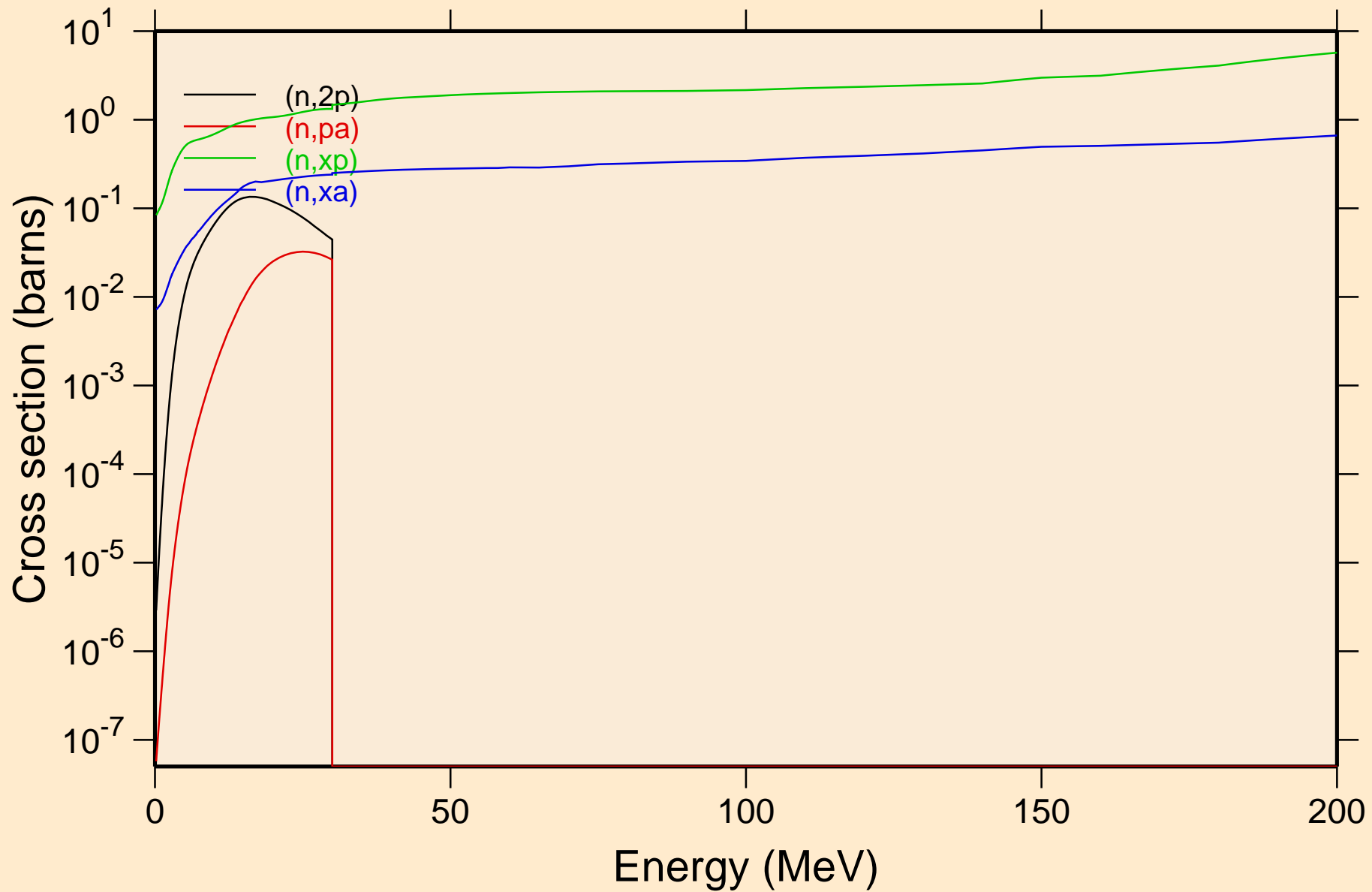




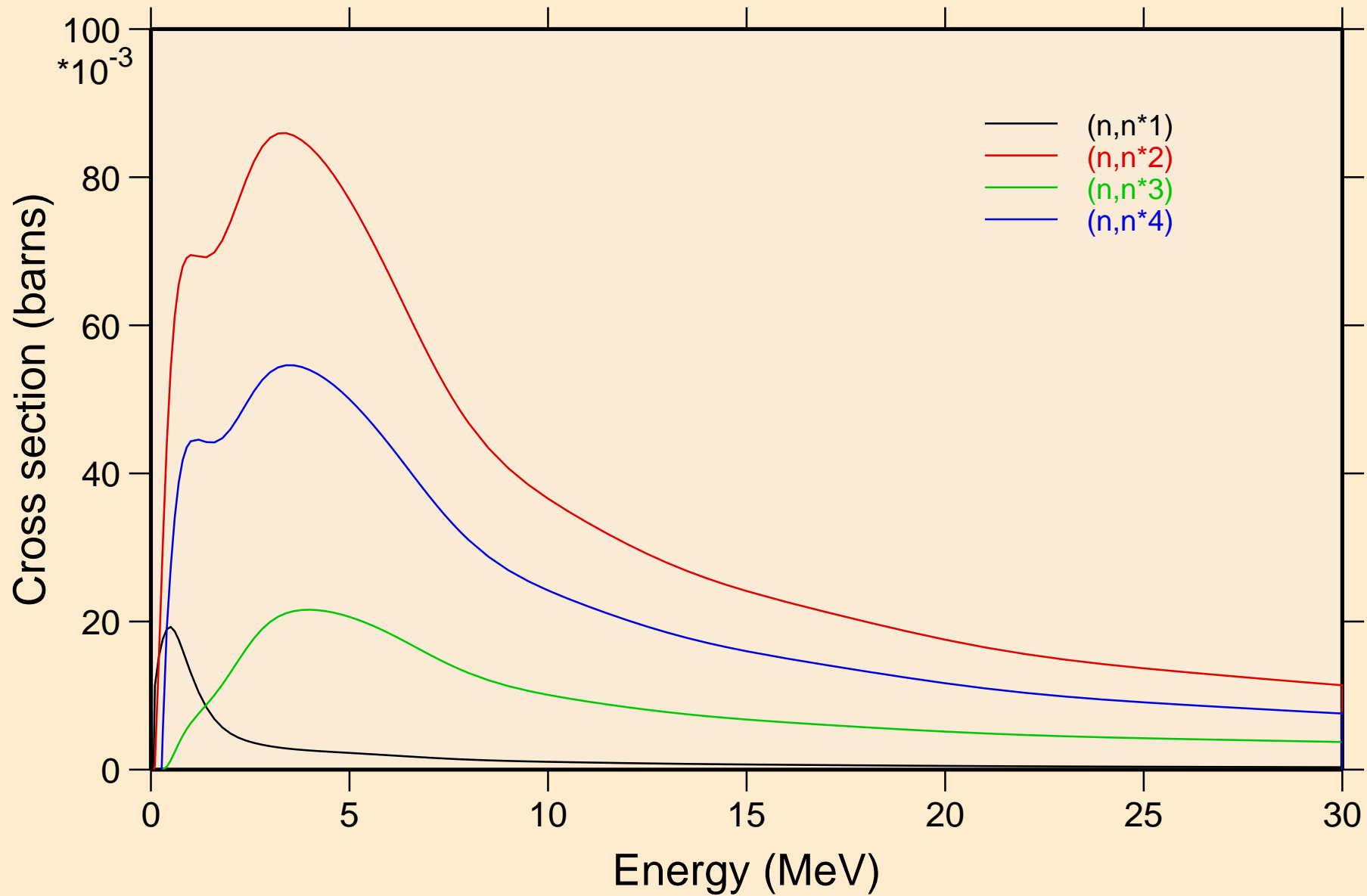
HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions



HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions

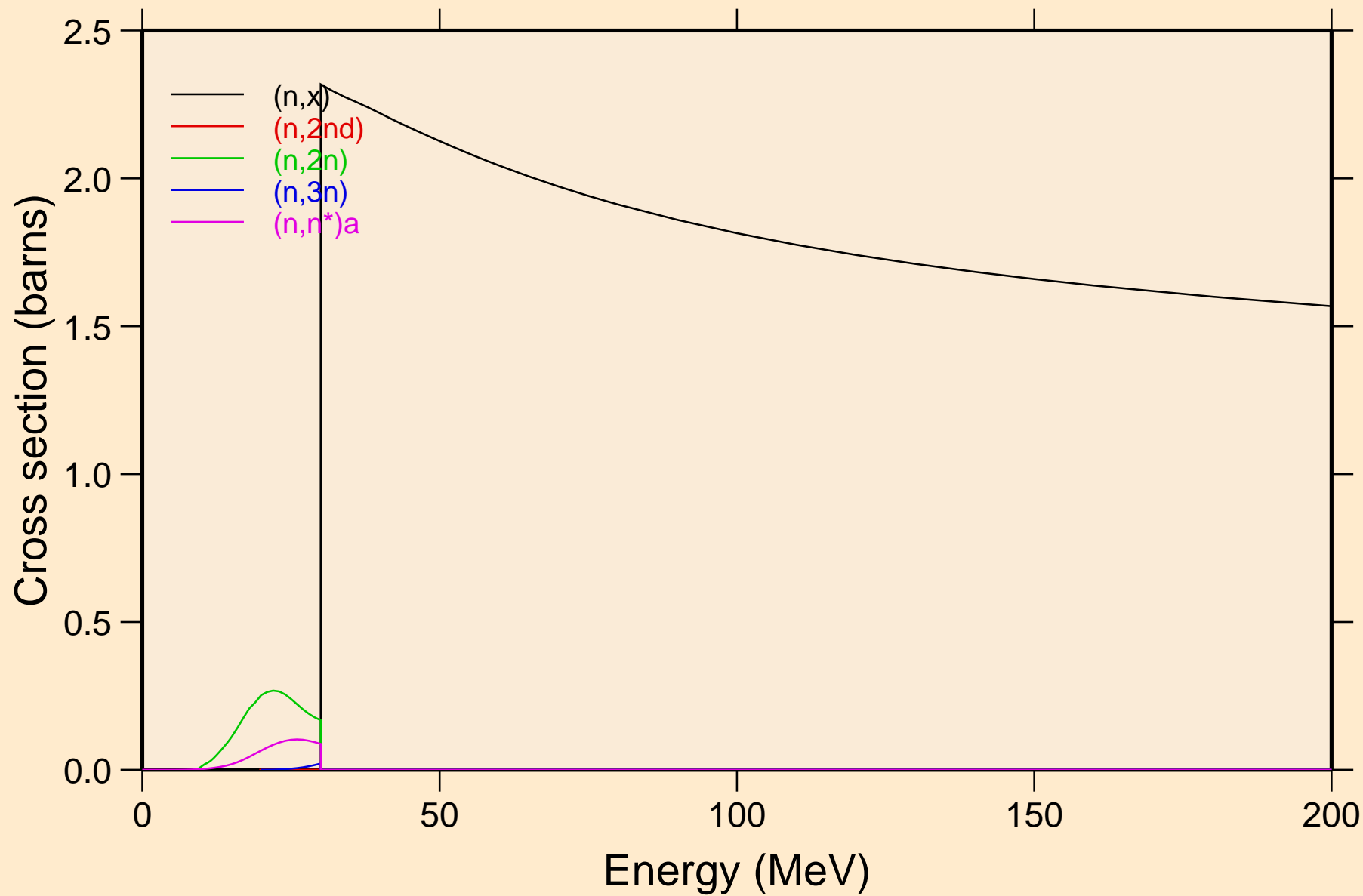


HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



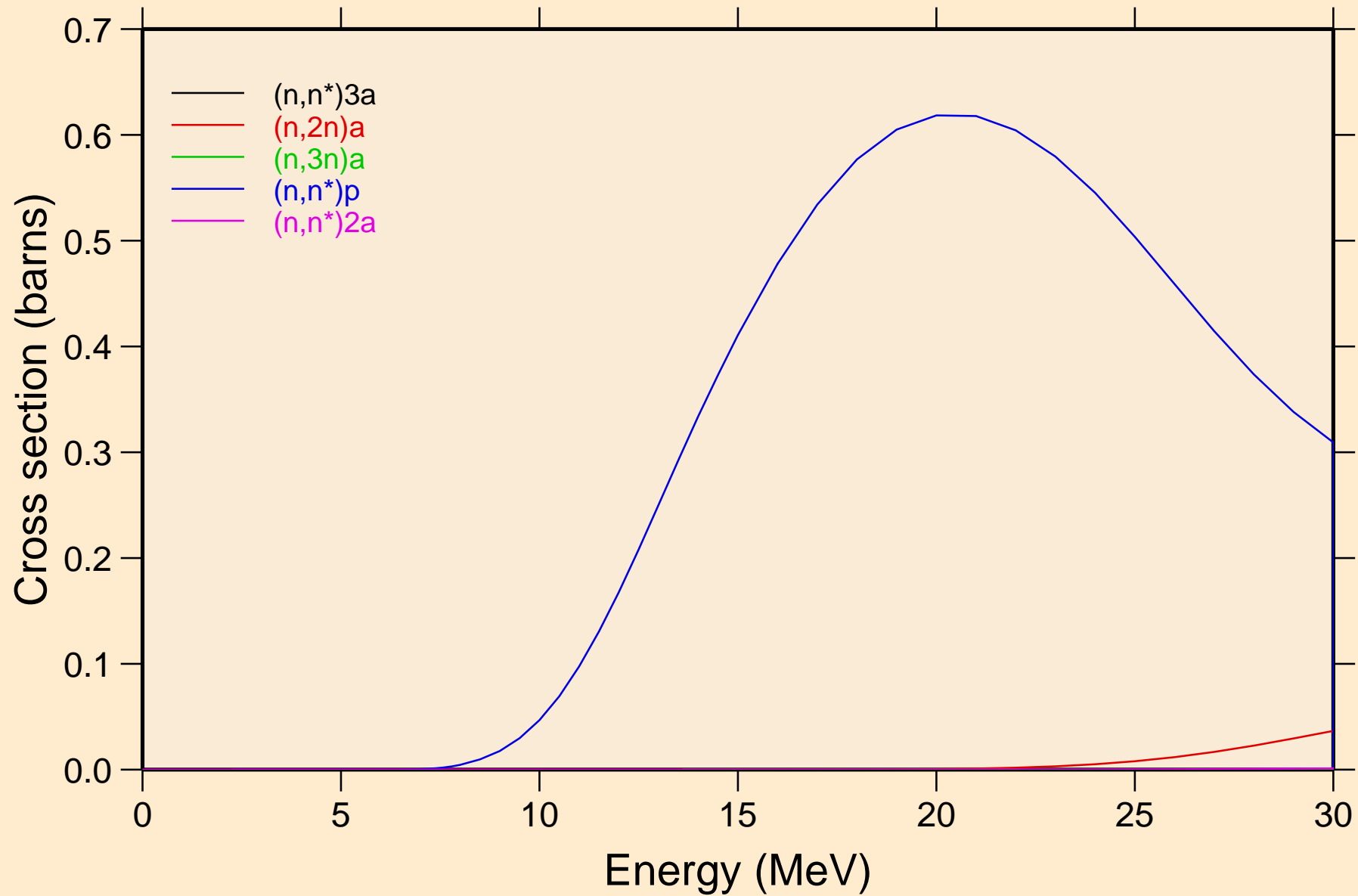
# HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Threshold reactions

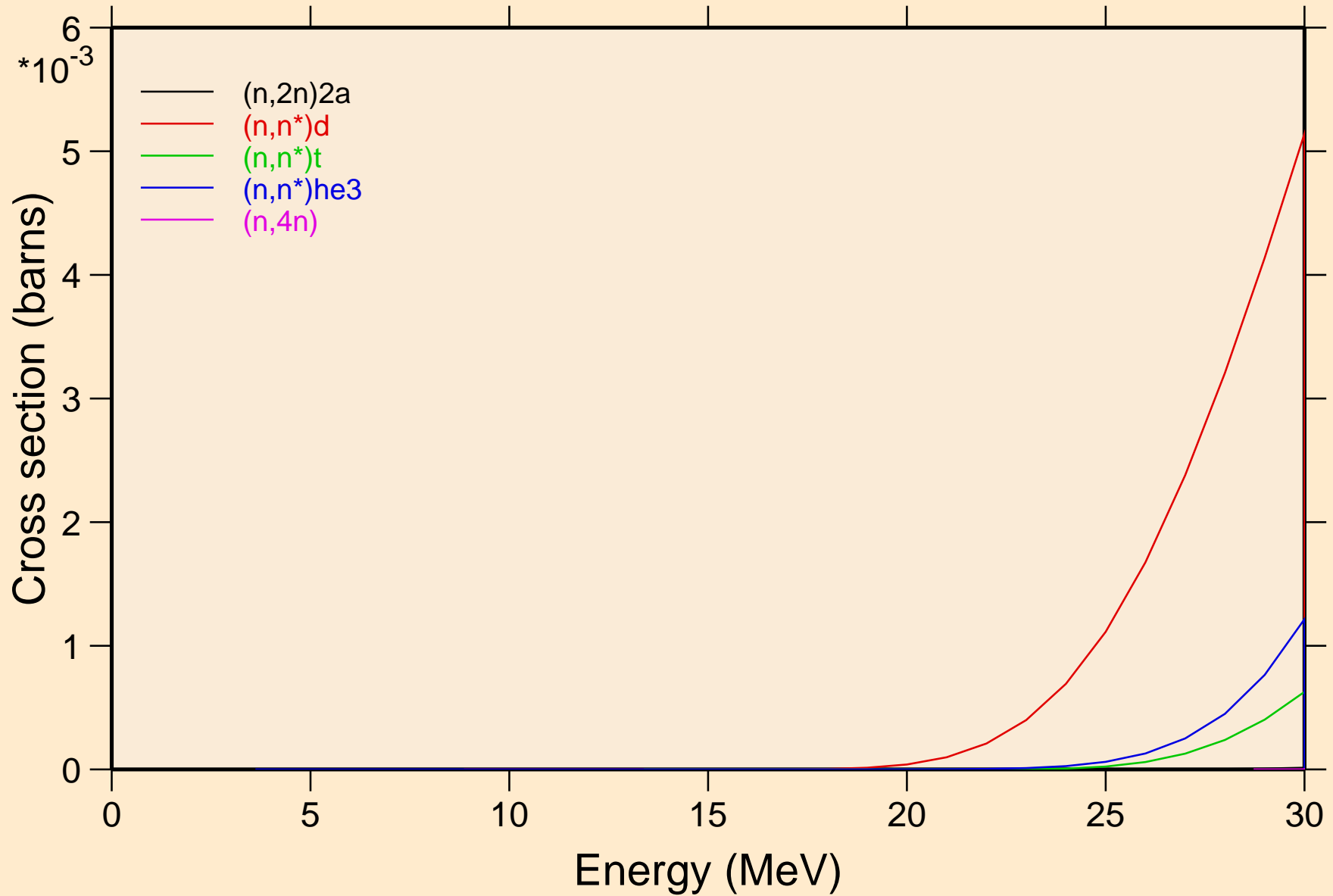


# HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Threshold reactions

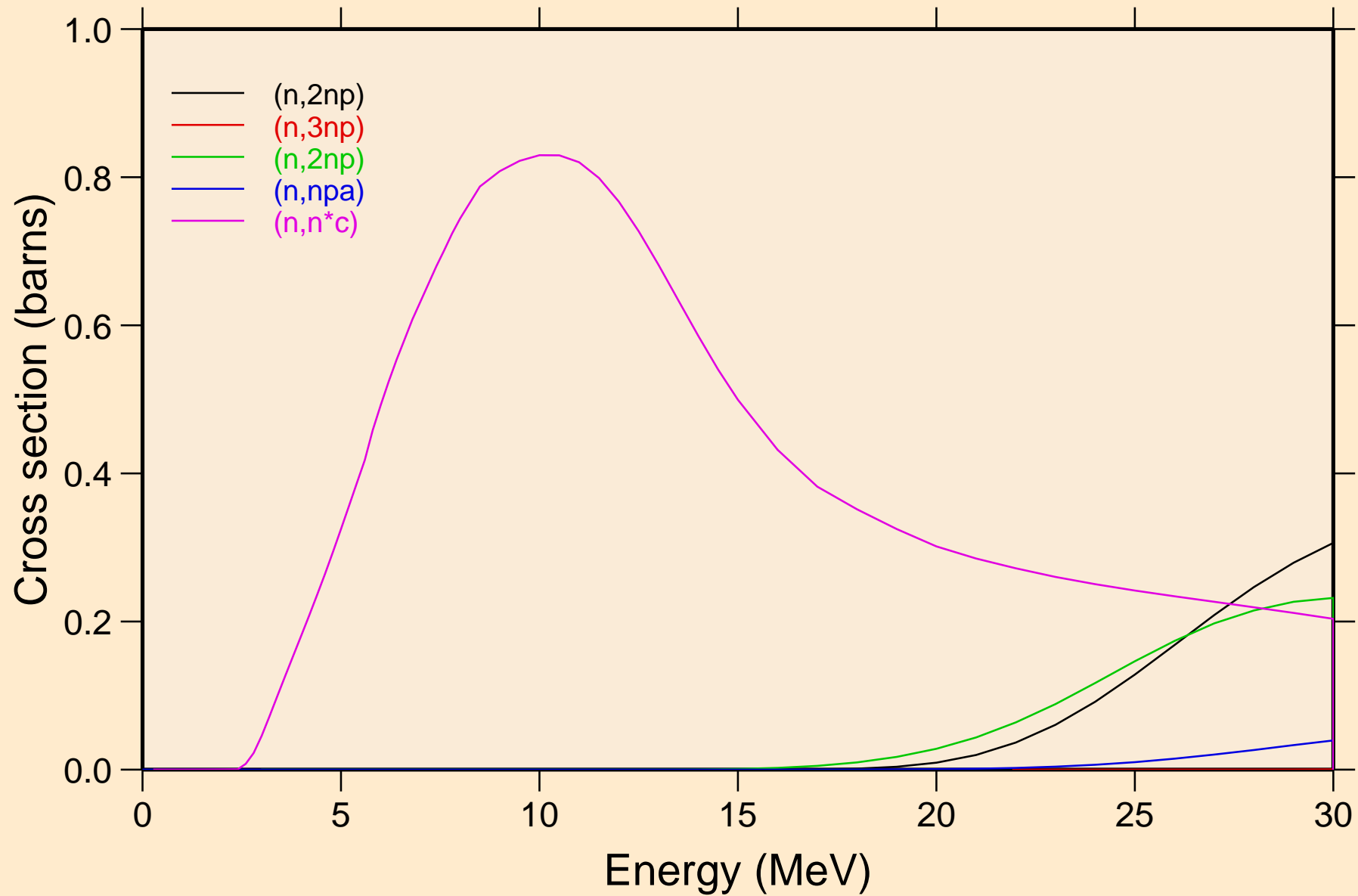


HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



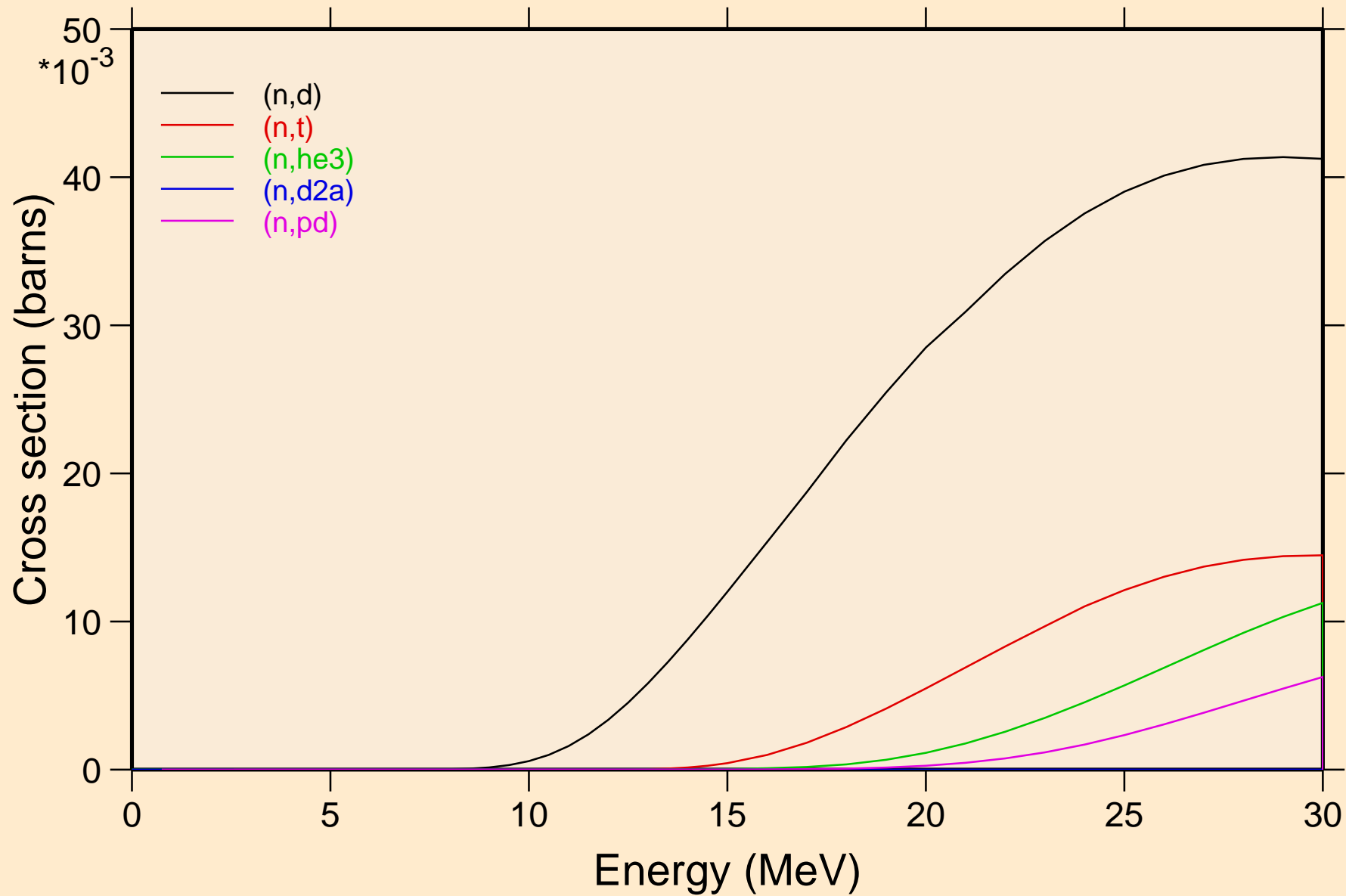
# HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Threshold reactions



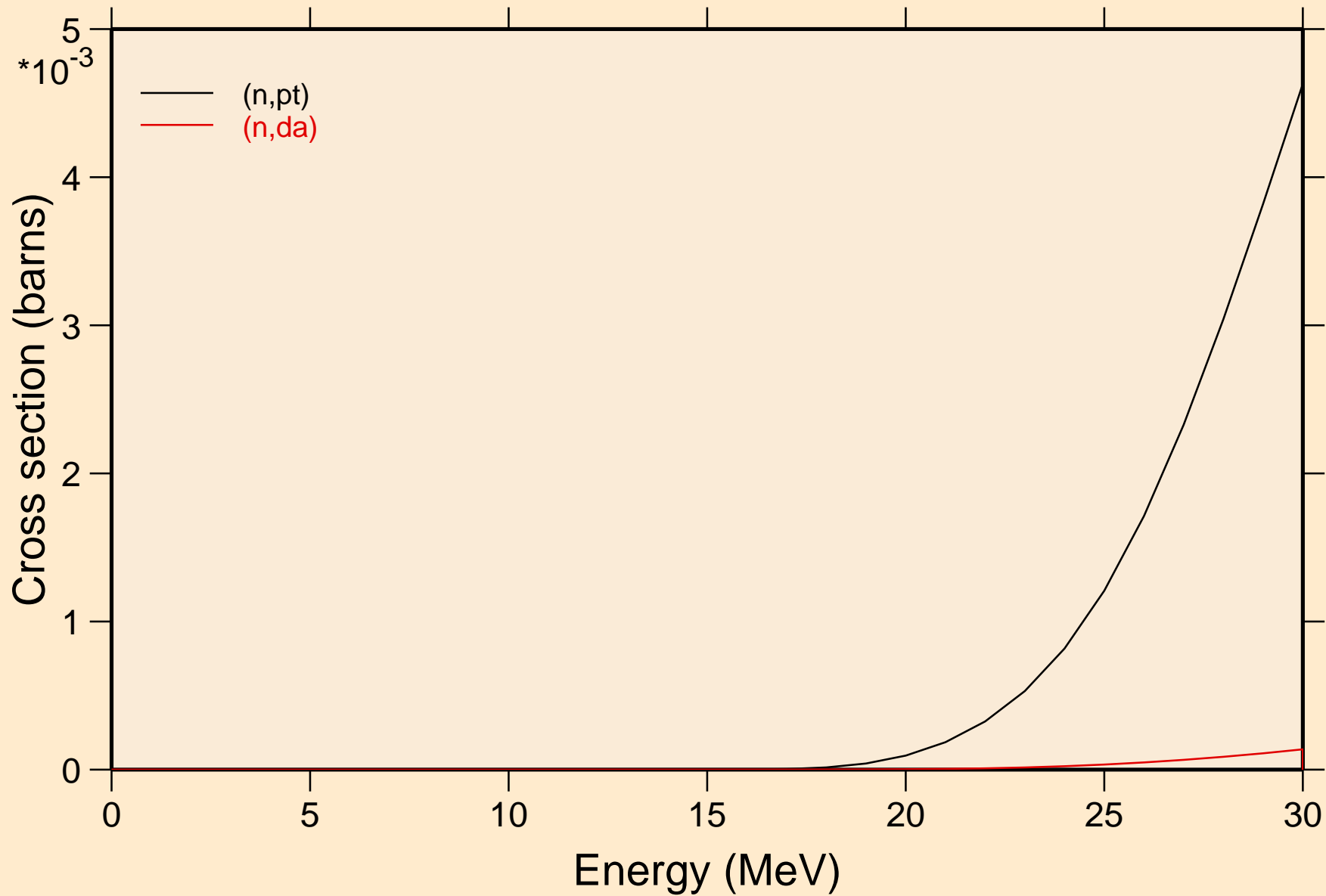
# HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Threshold reactions

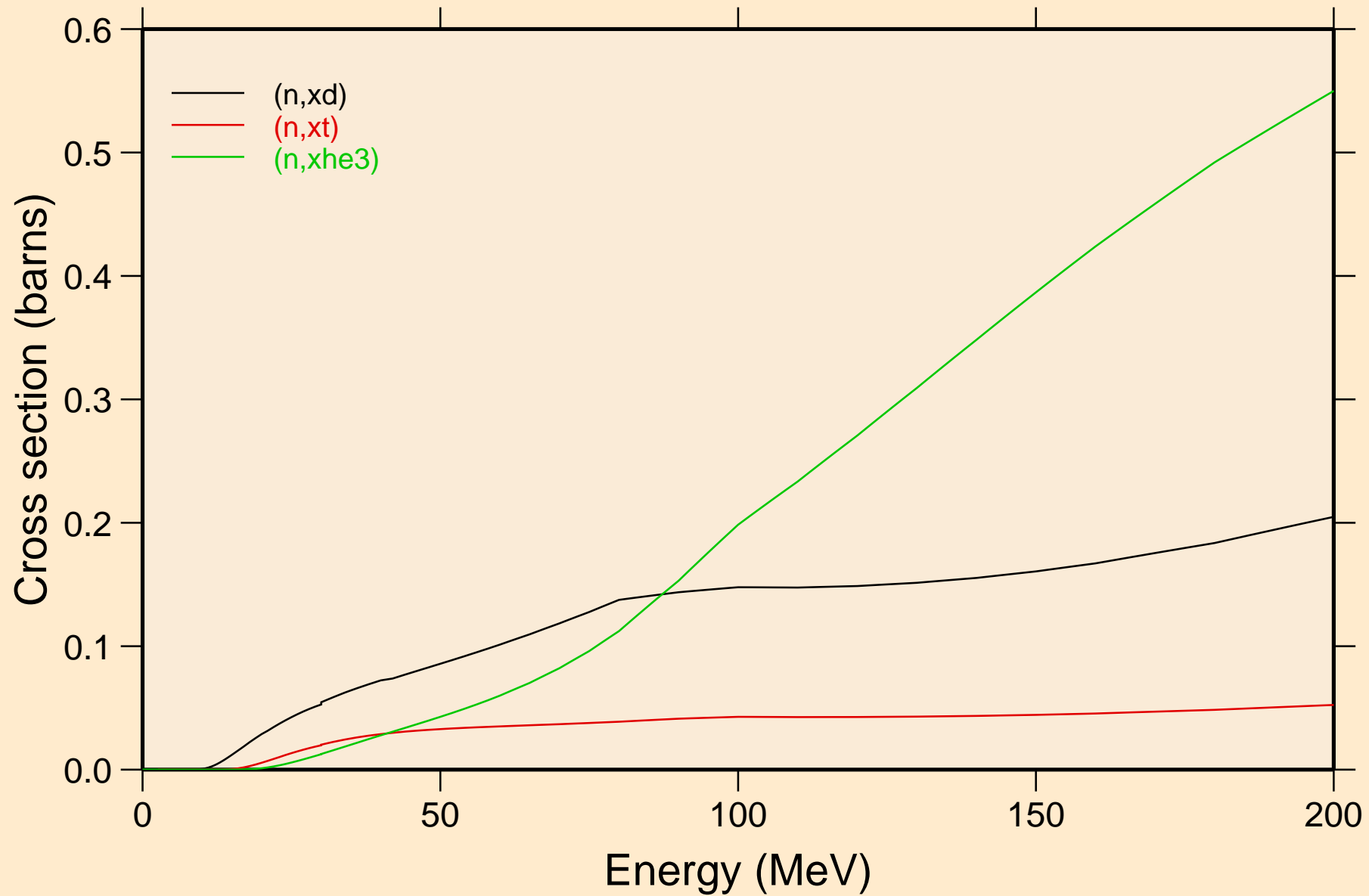




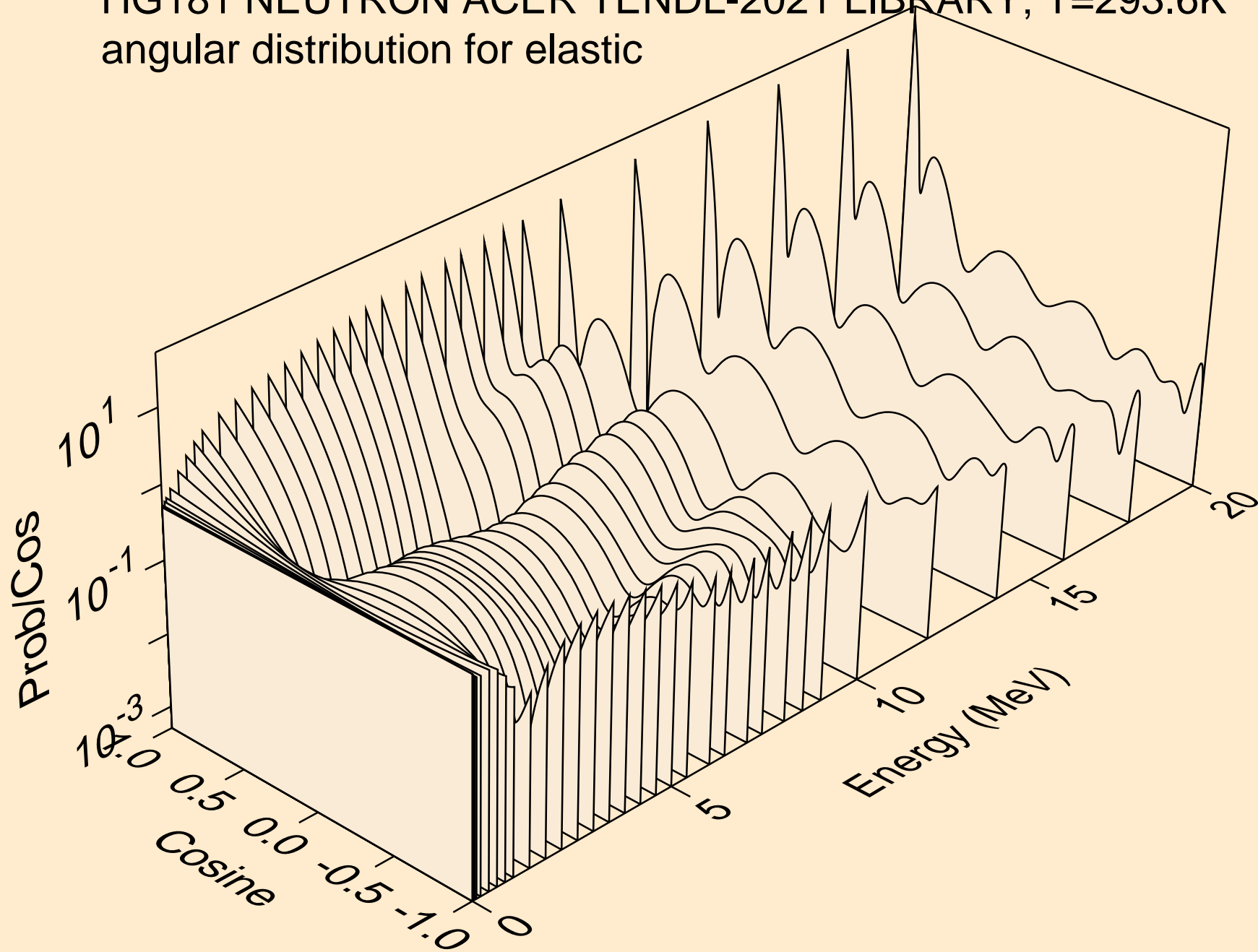
HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



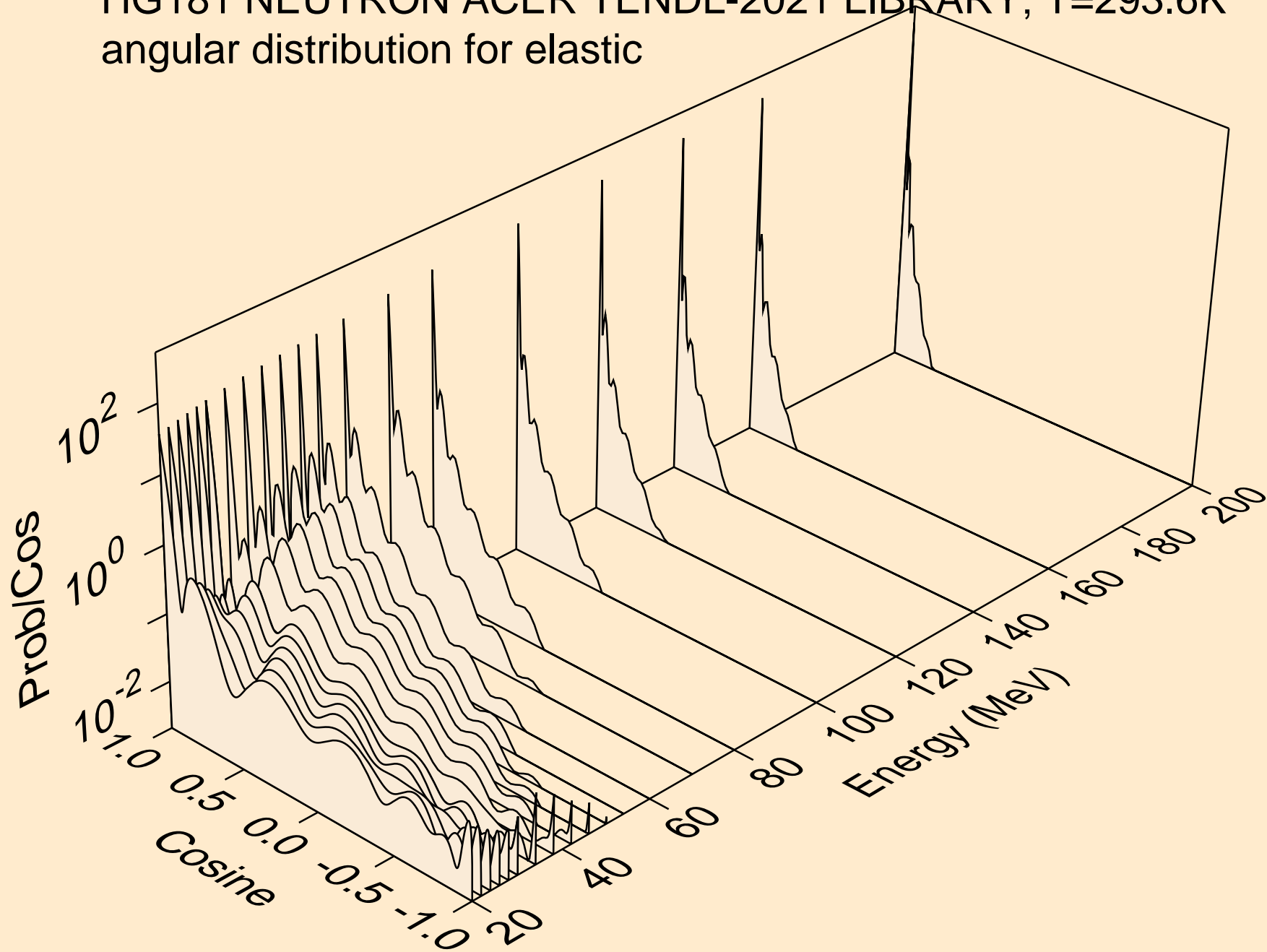
HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



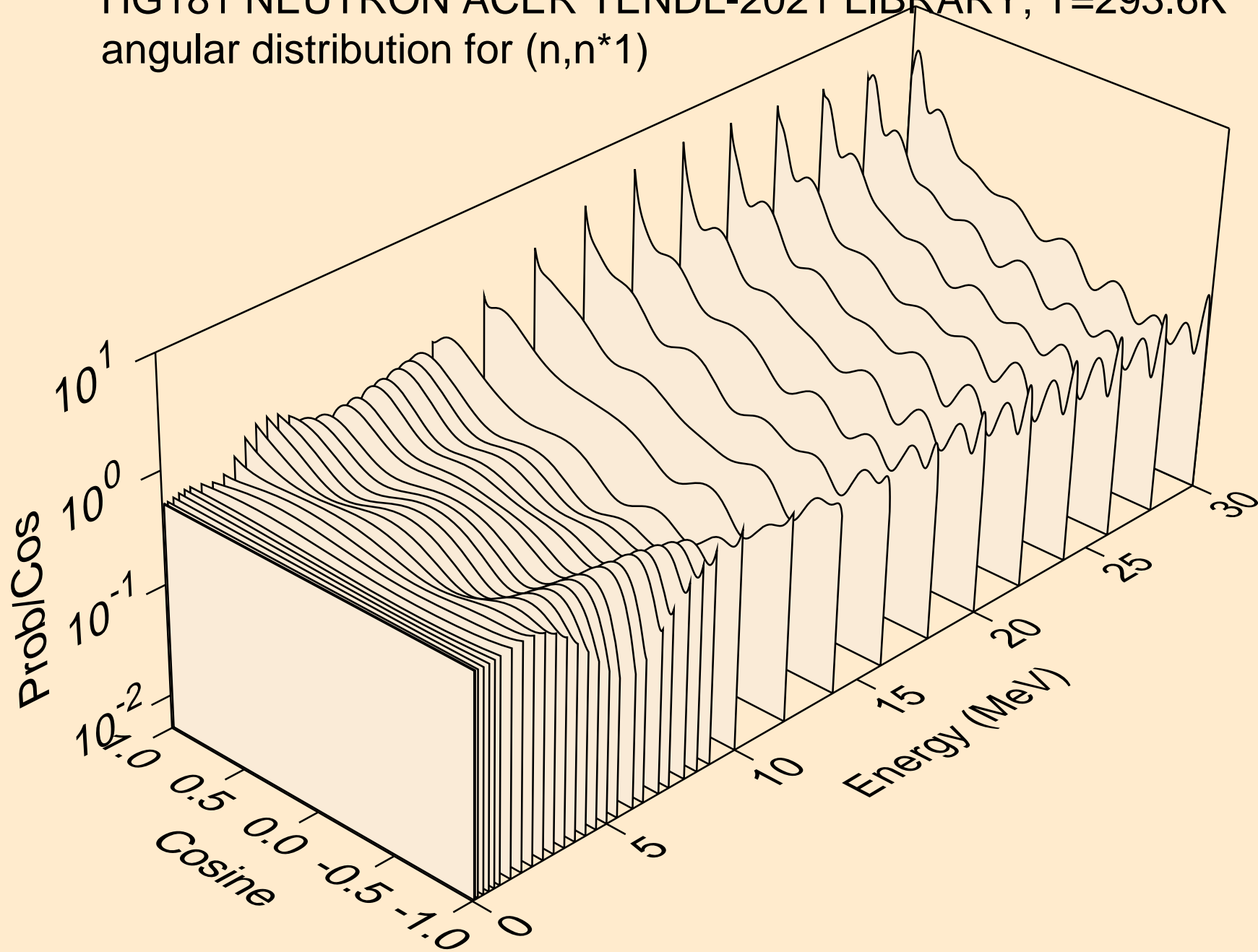
HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for elastic



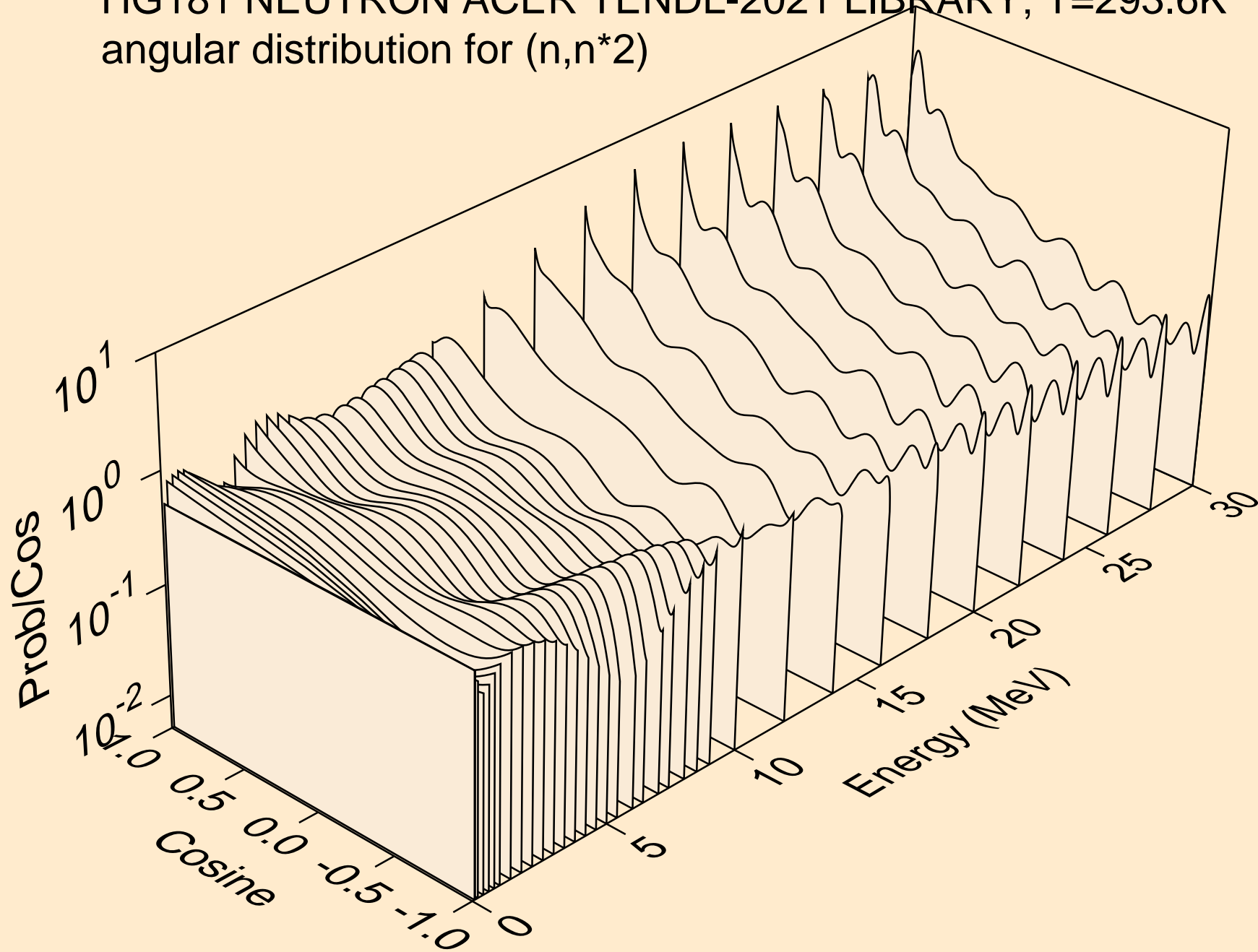
HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for elastic



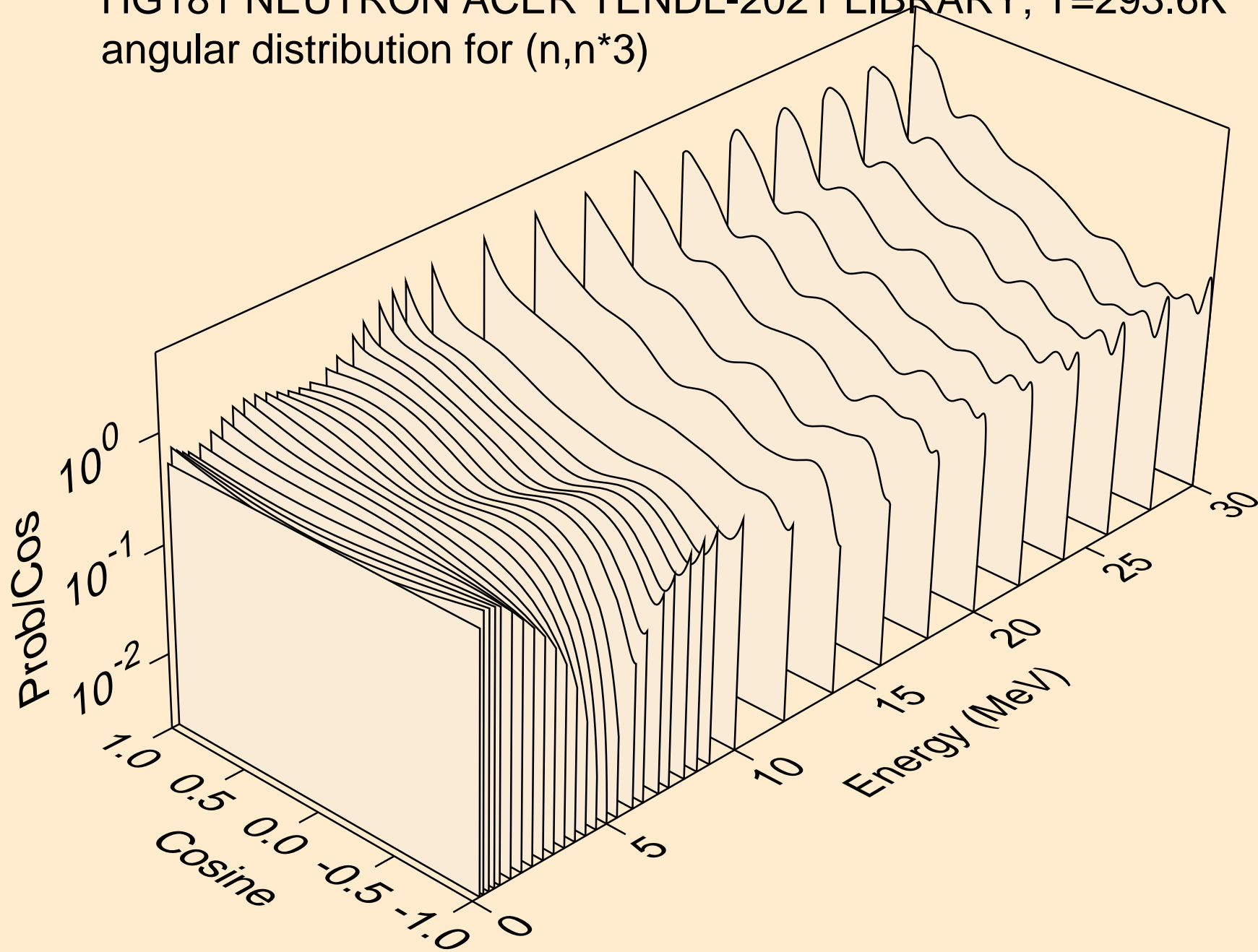
HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*1)



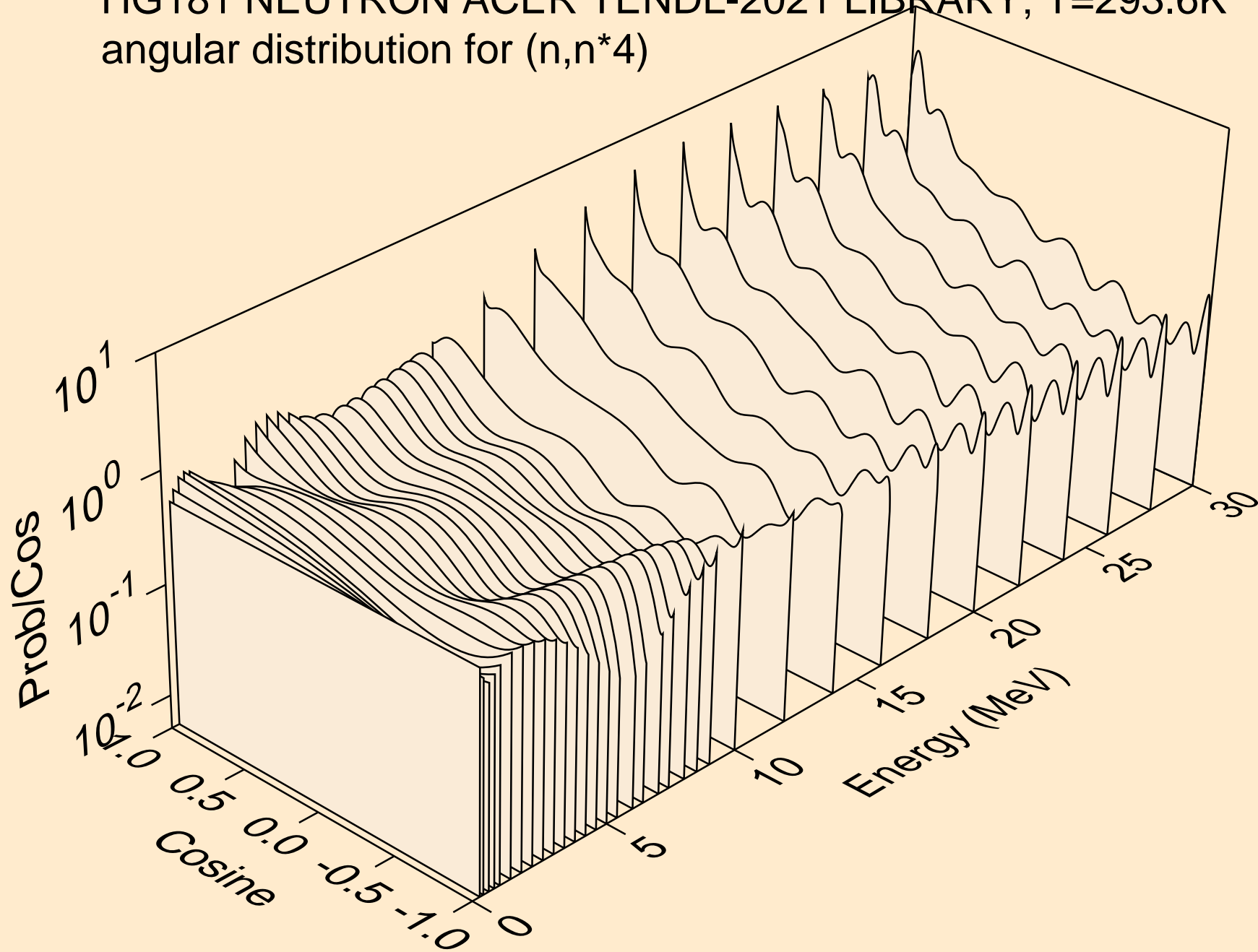
HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*2)



HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*3)

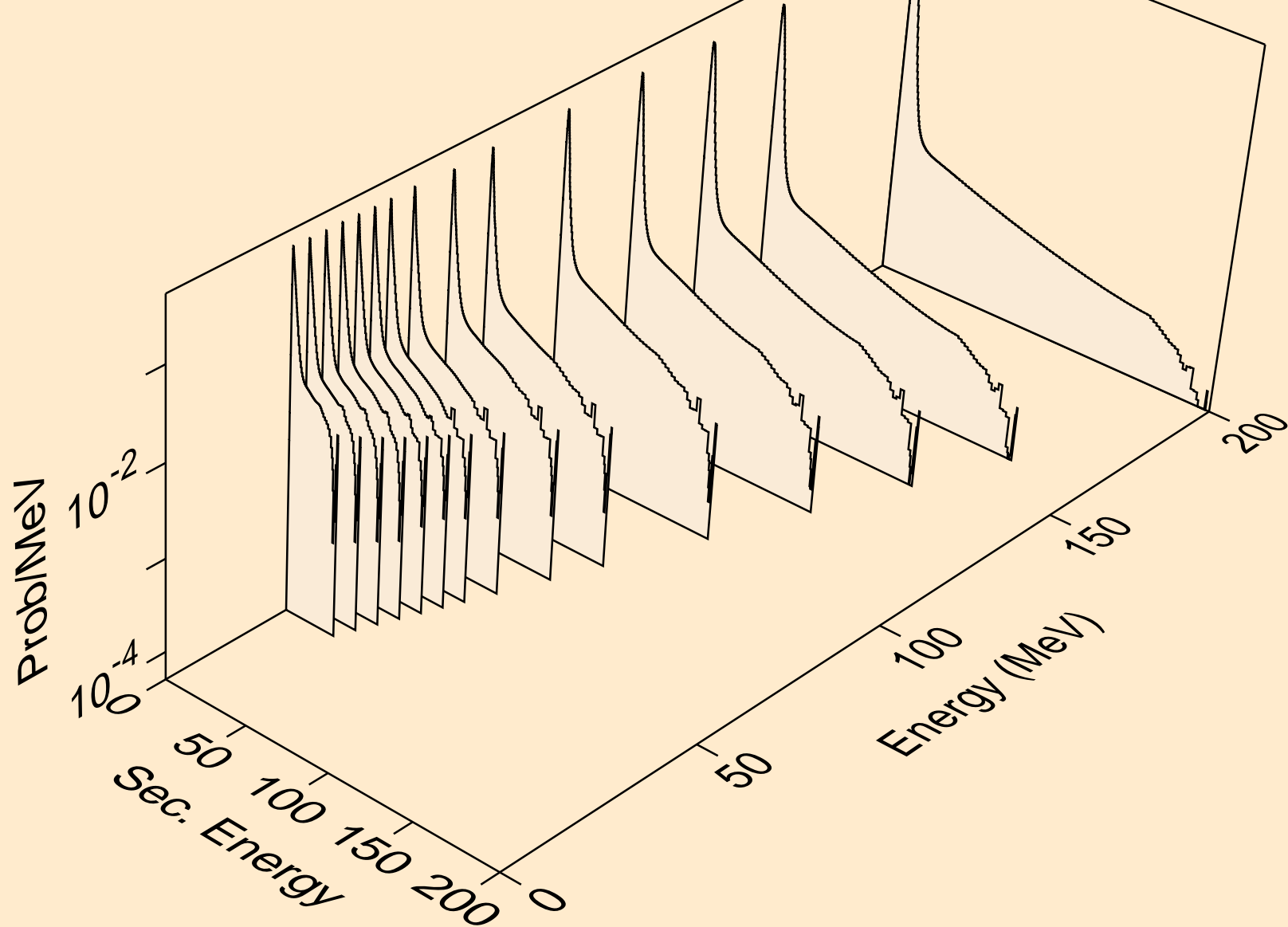


HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*4)

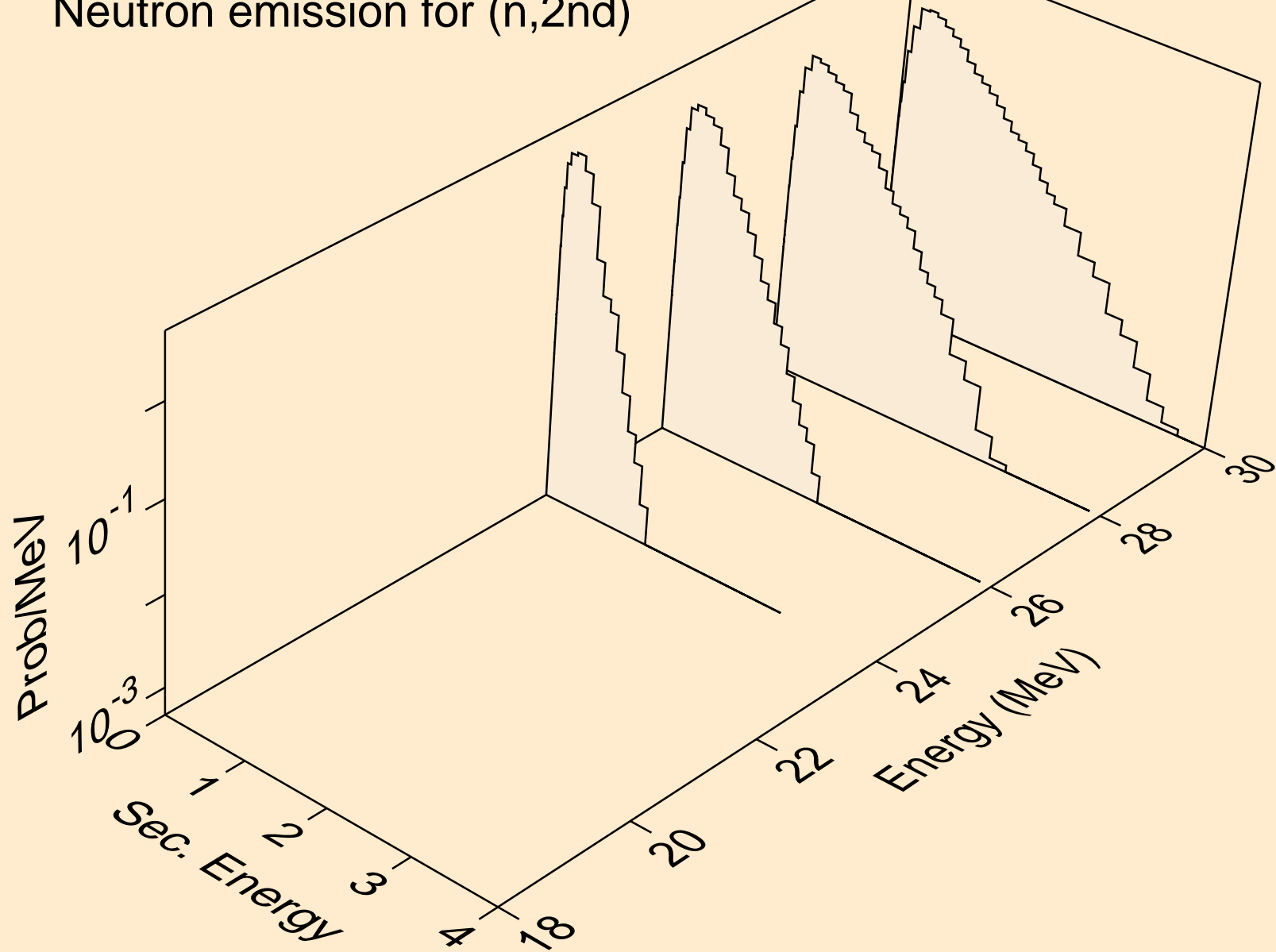




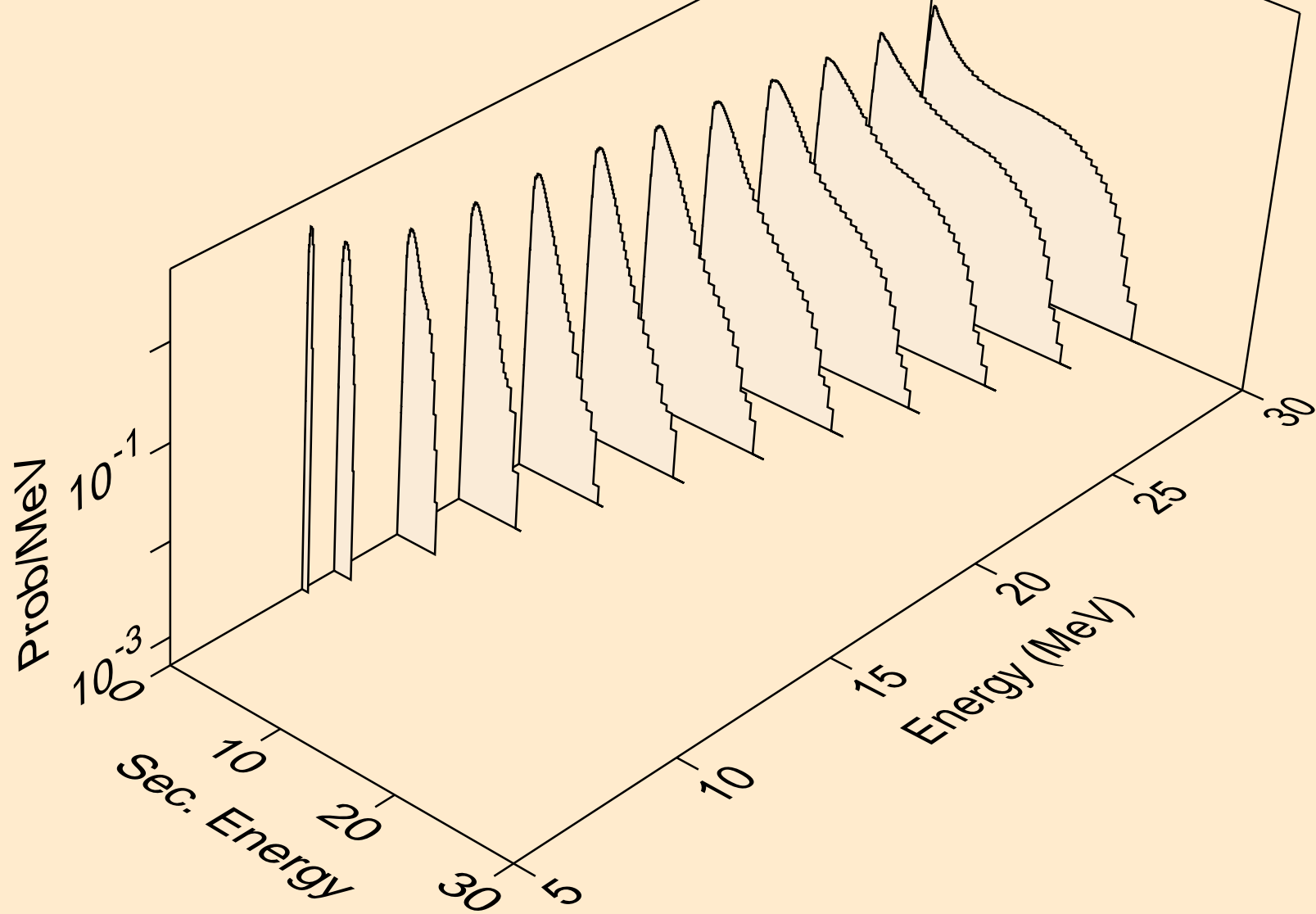
HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,x)



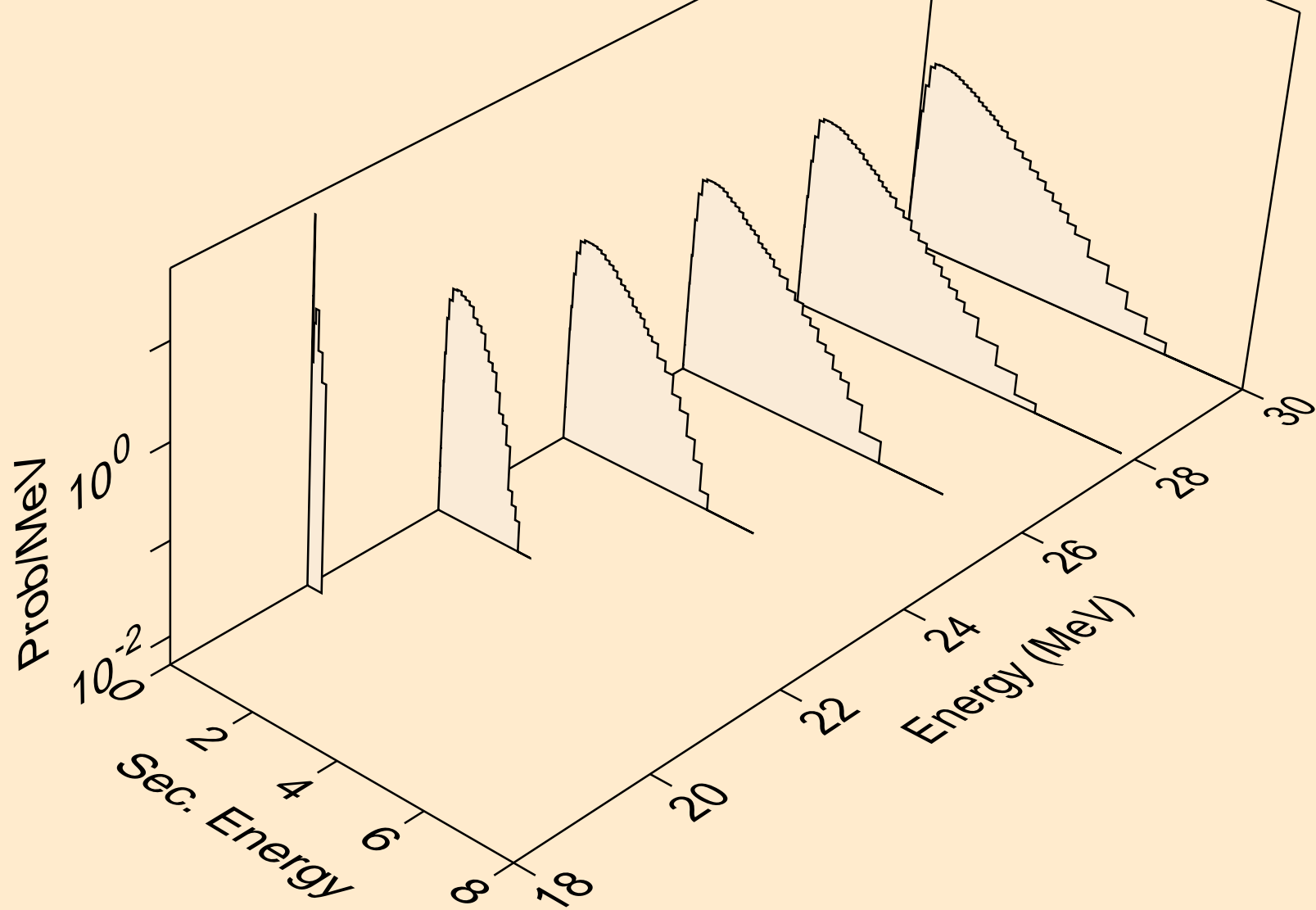
HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2nd)



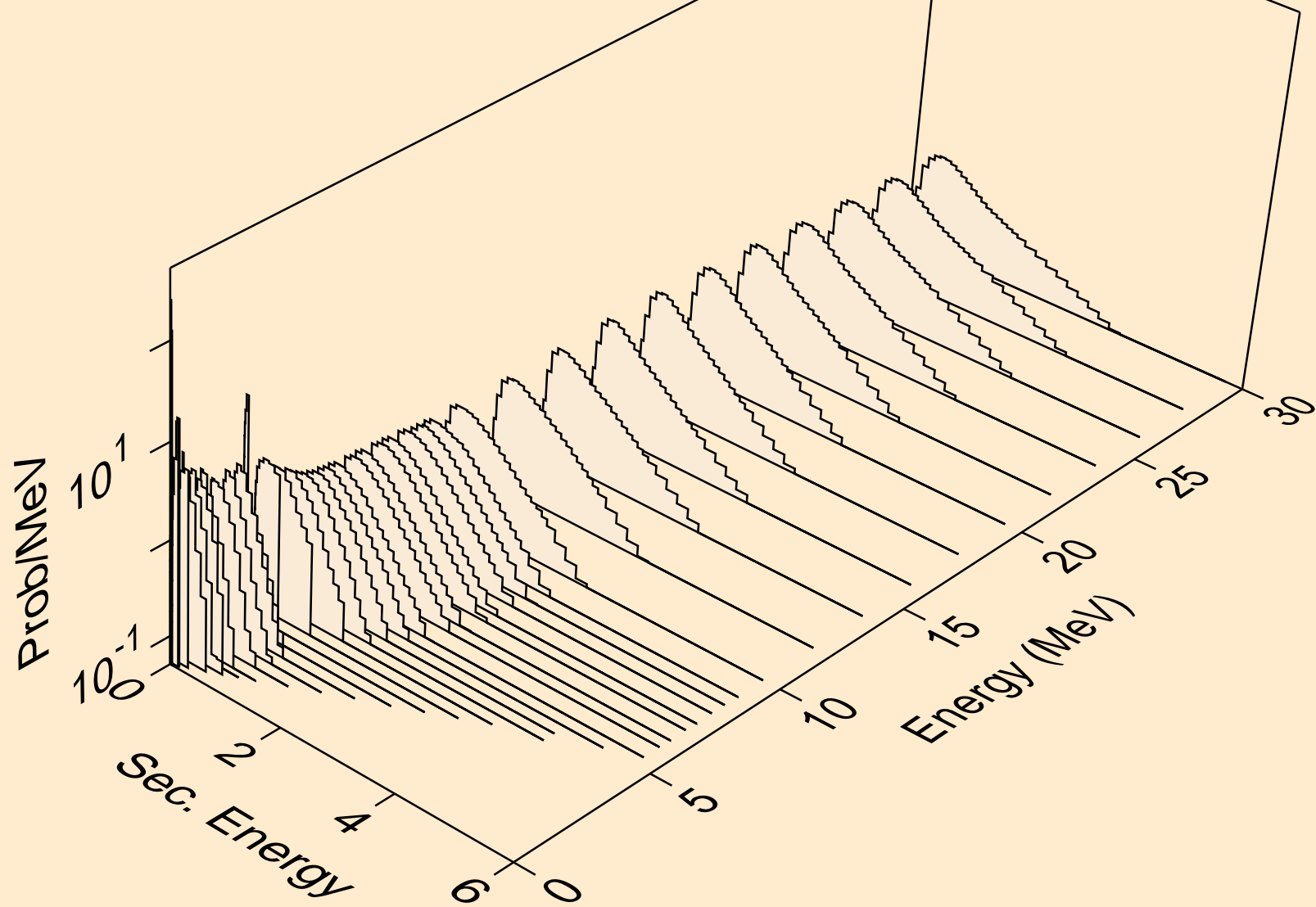
HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)



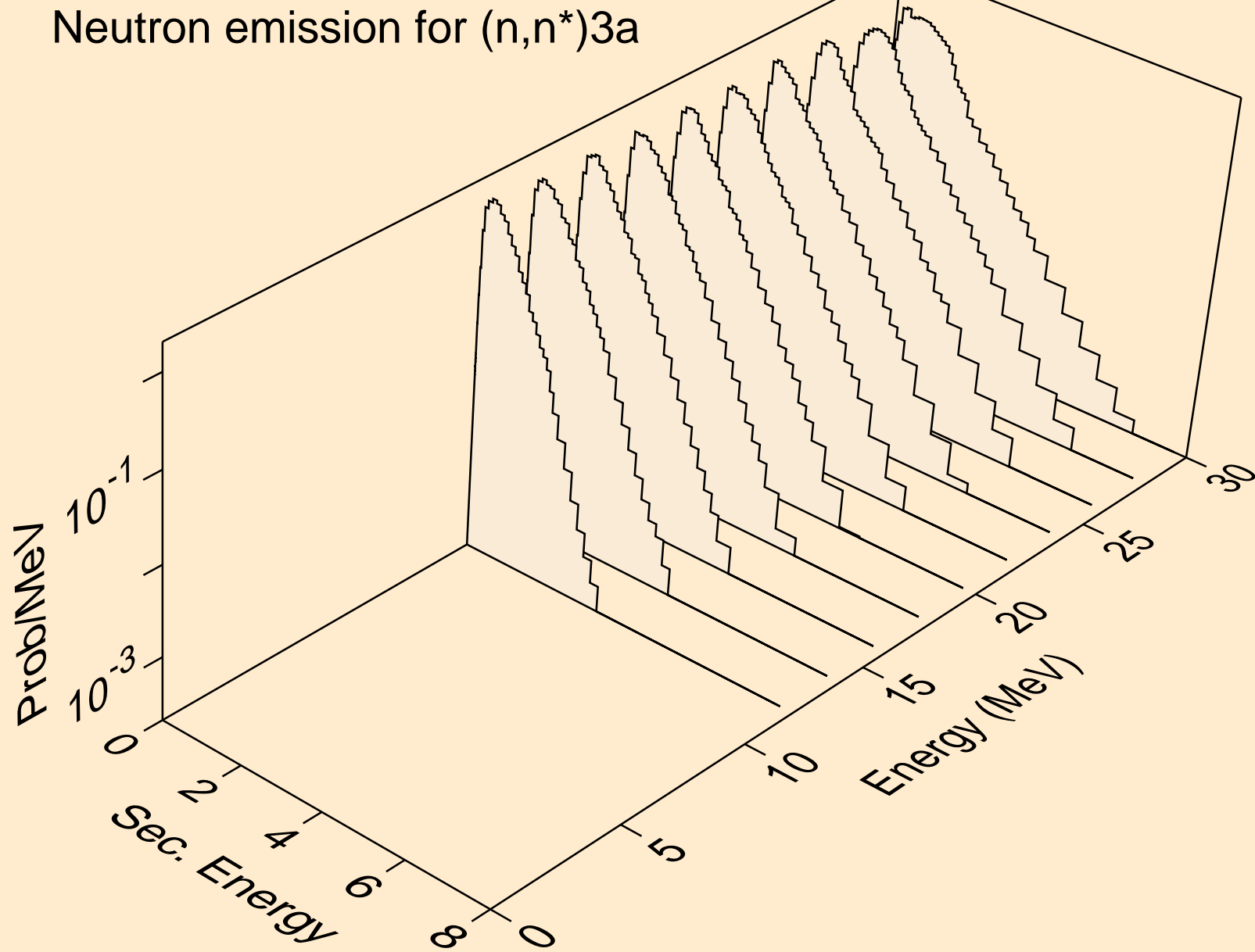
HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3n)



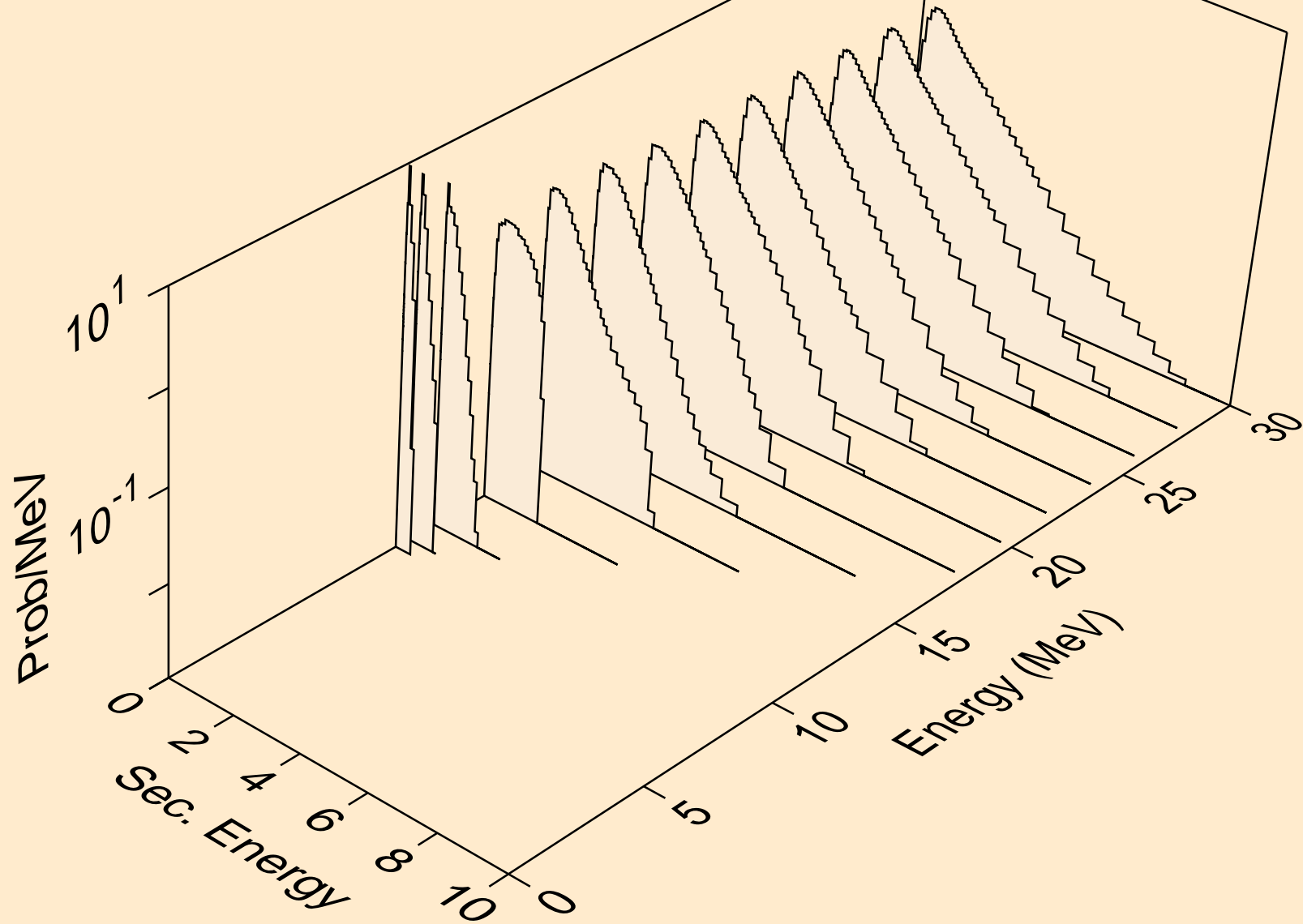
HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)a



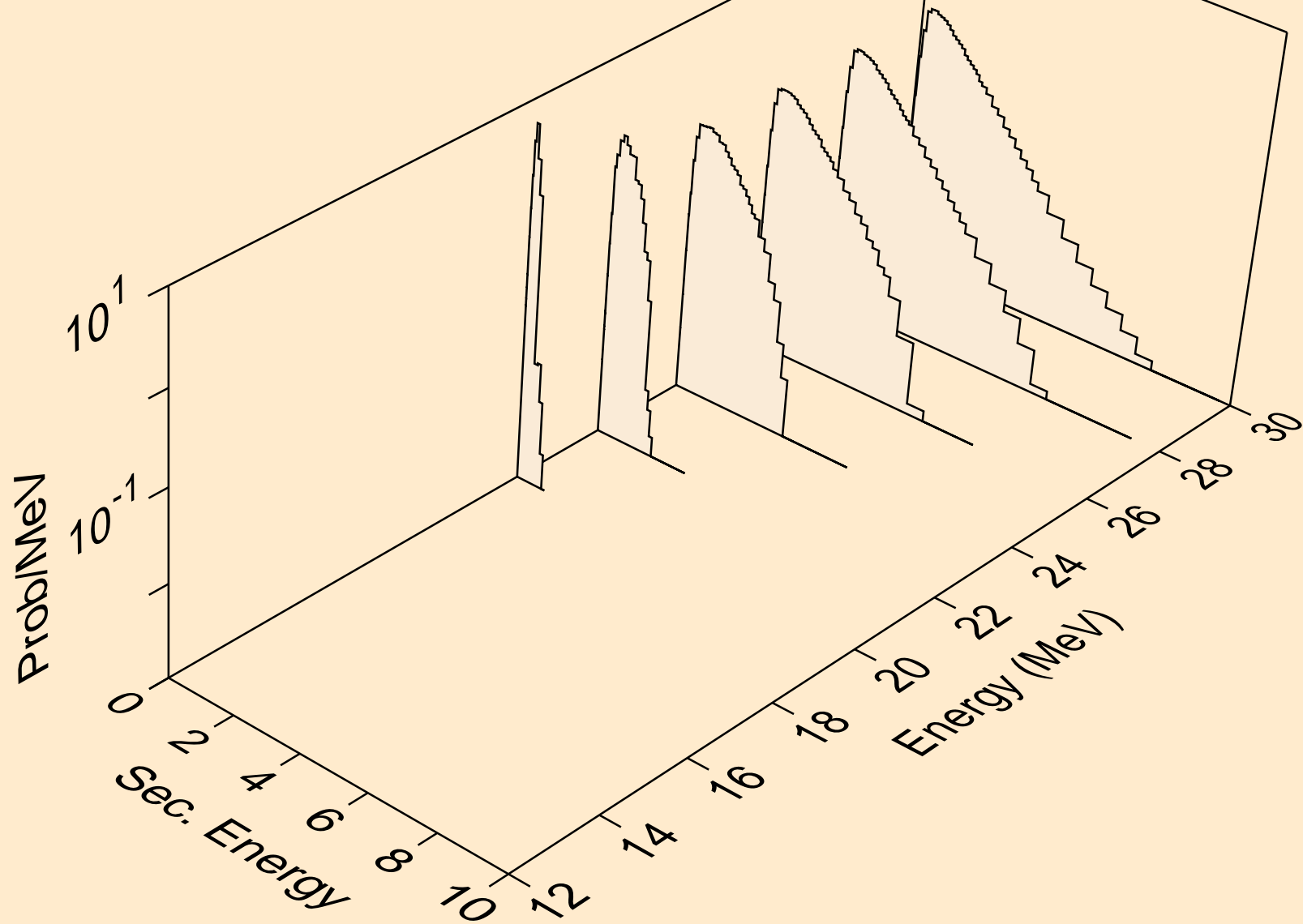
HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)3a



HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)a

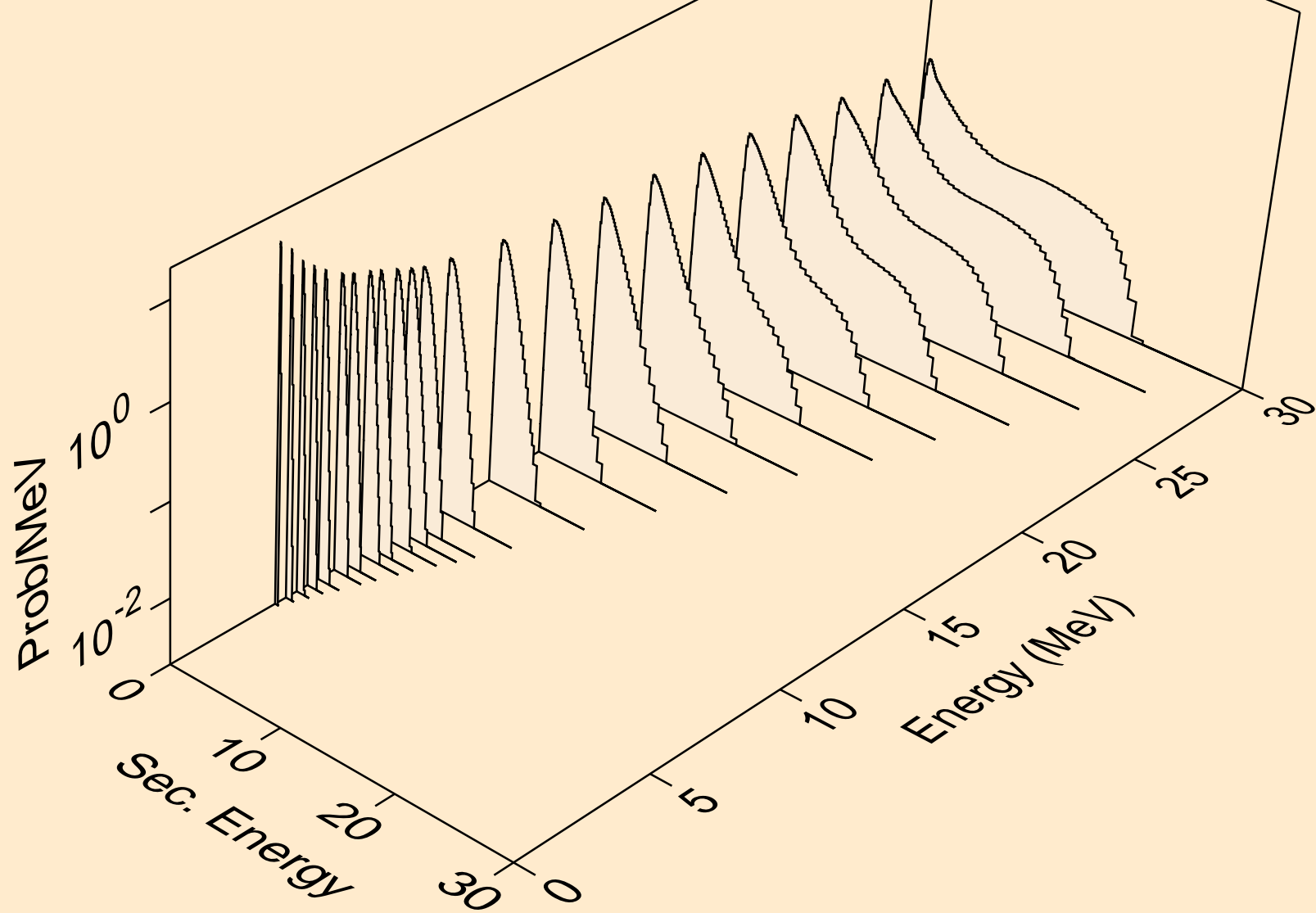


HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3n)a

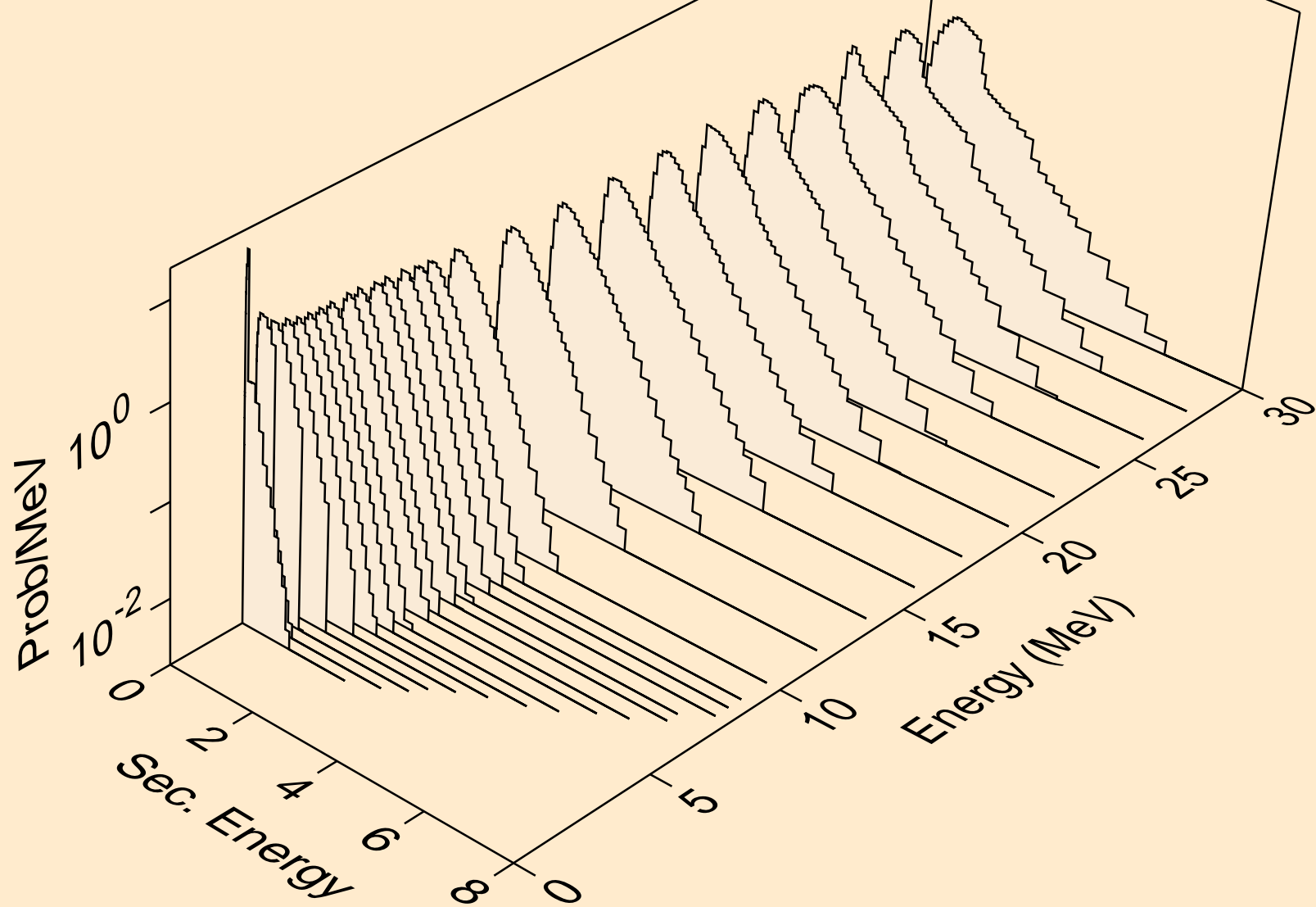




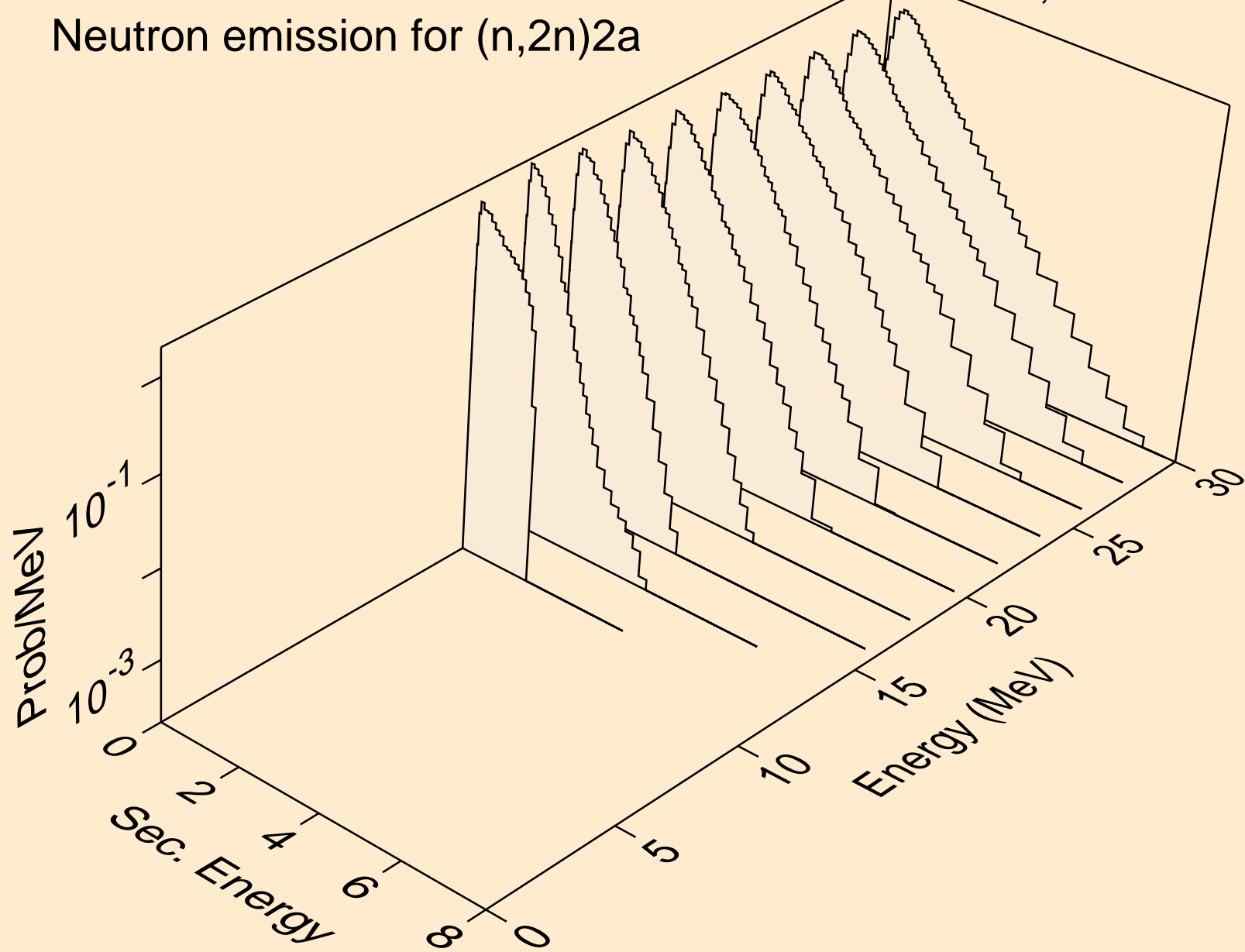
HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)p



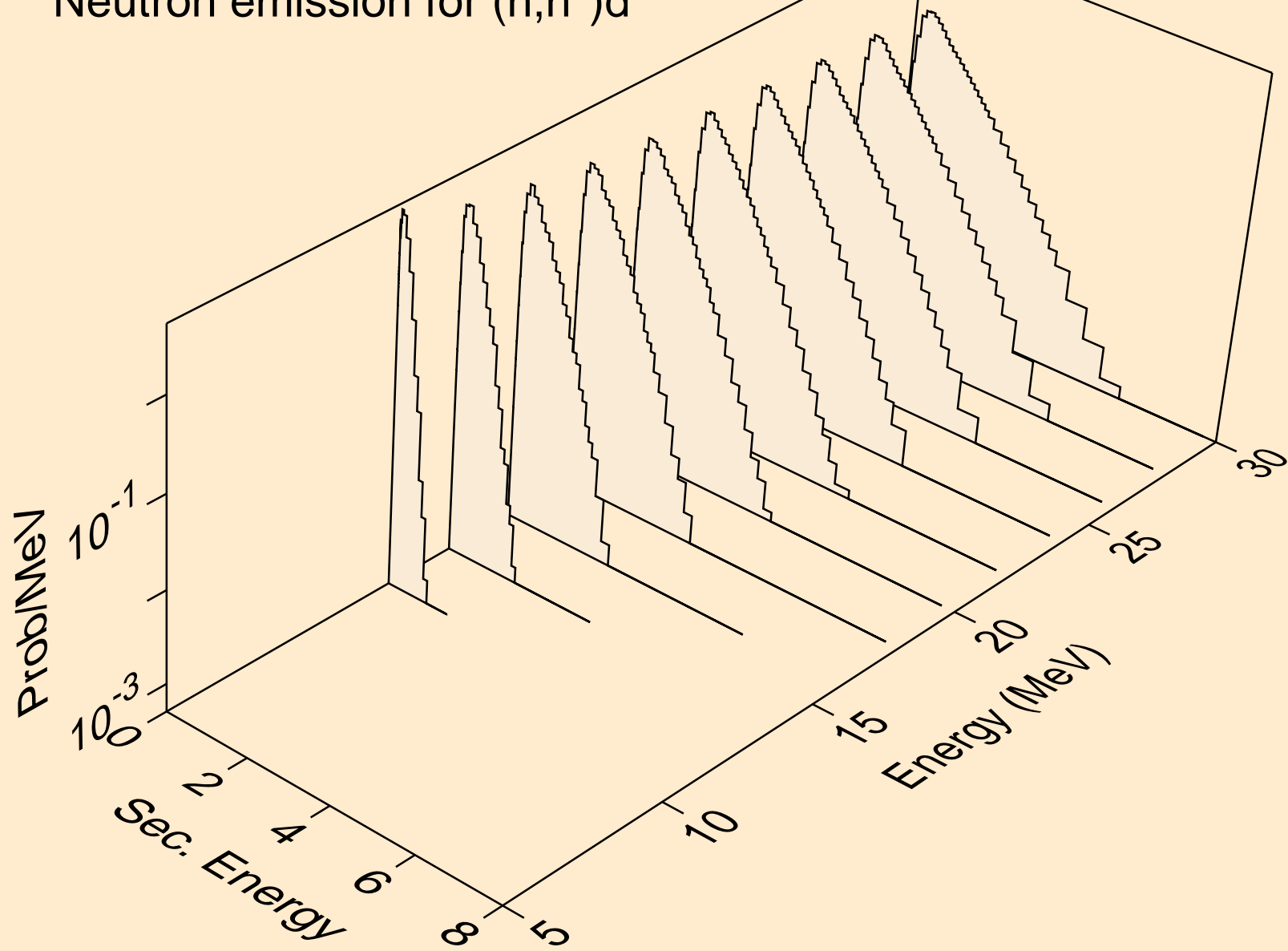
HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)2a



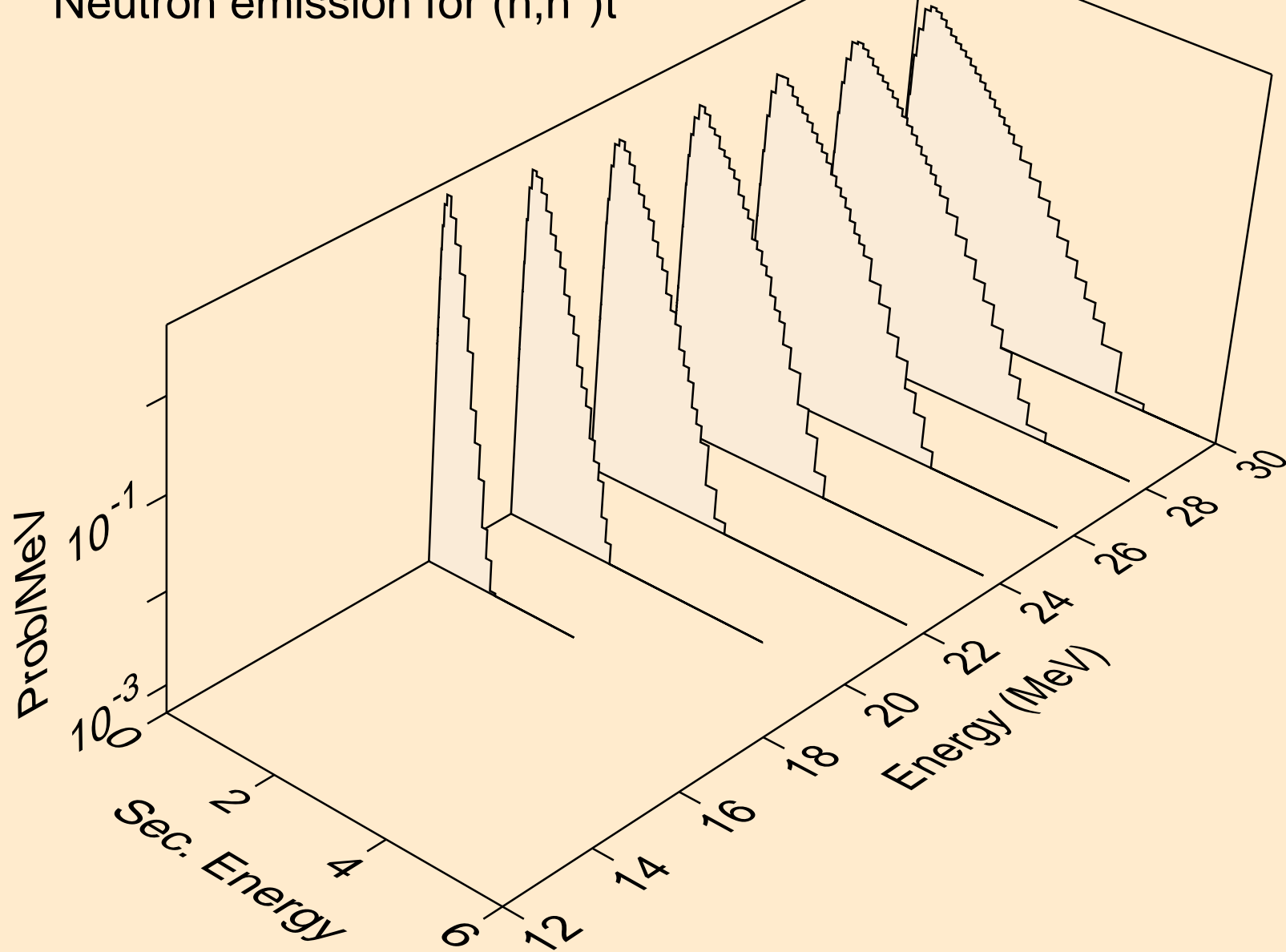
HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)2a



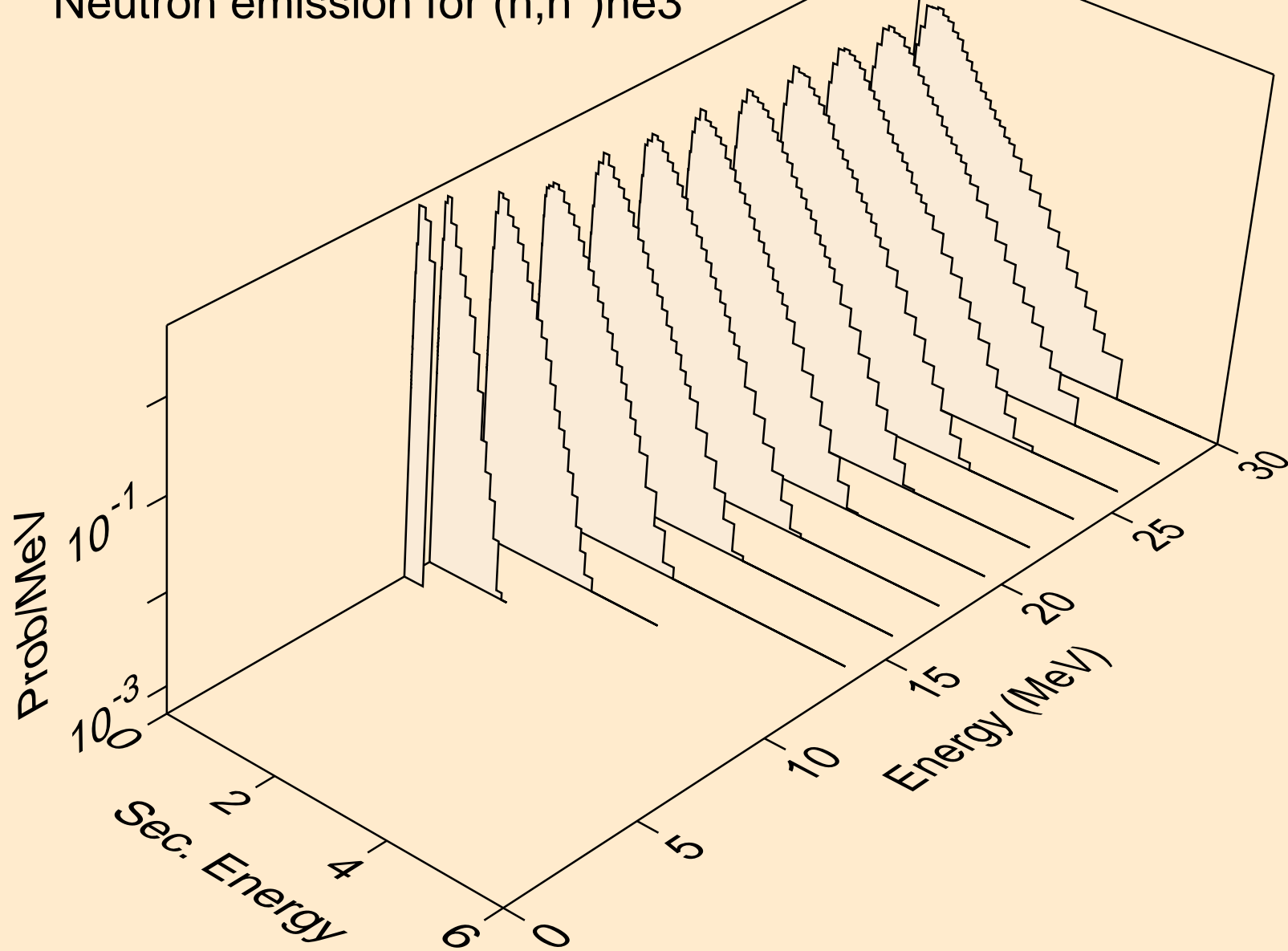
HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)d



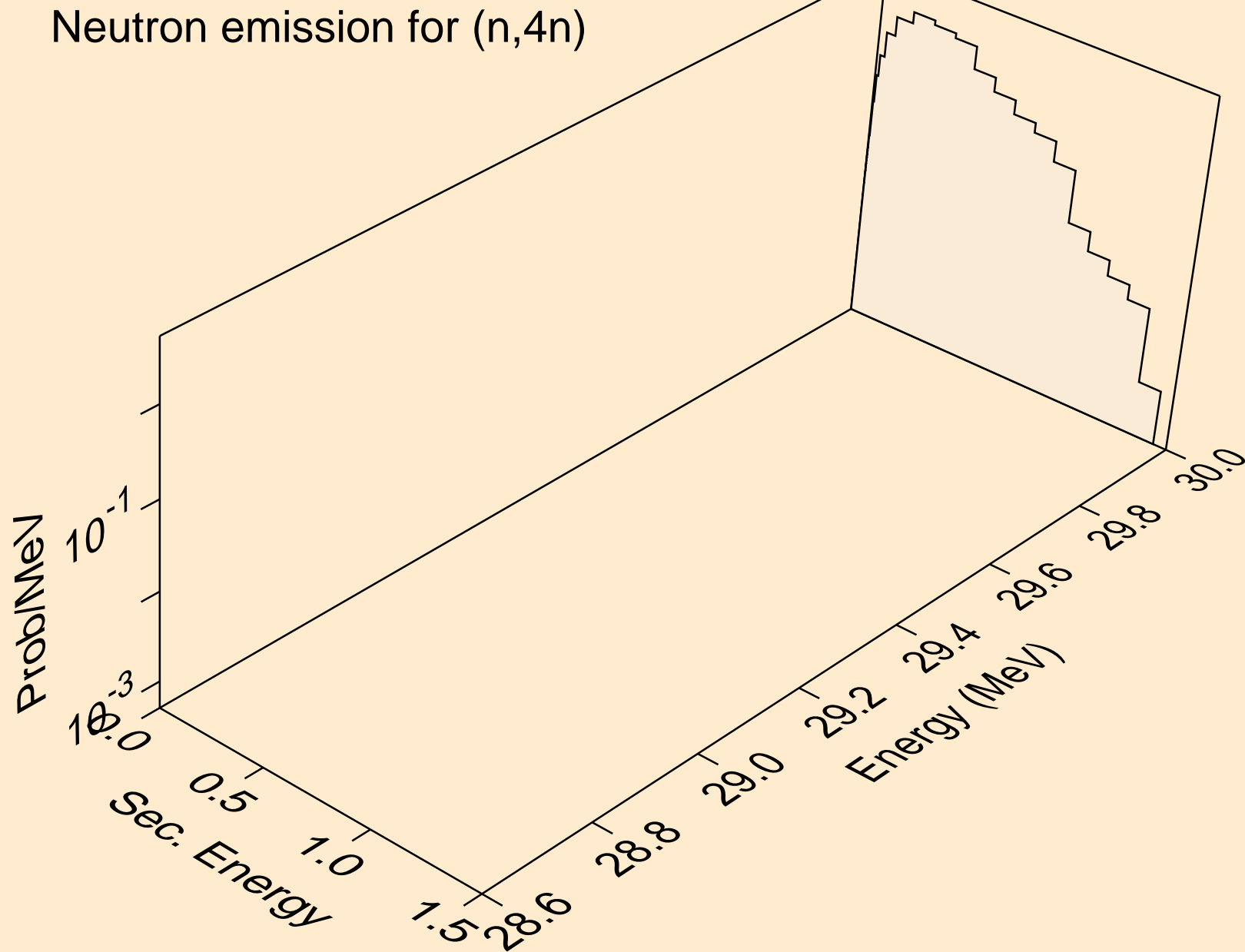
HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)t



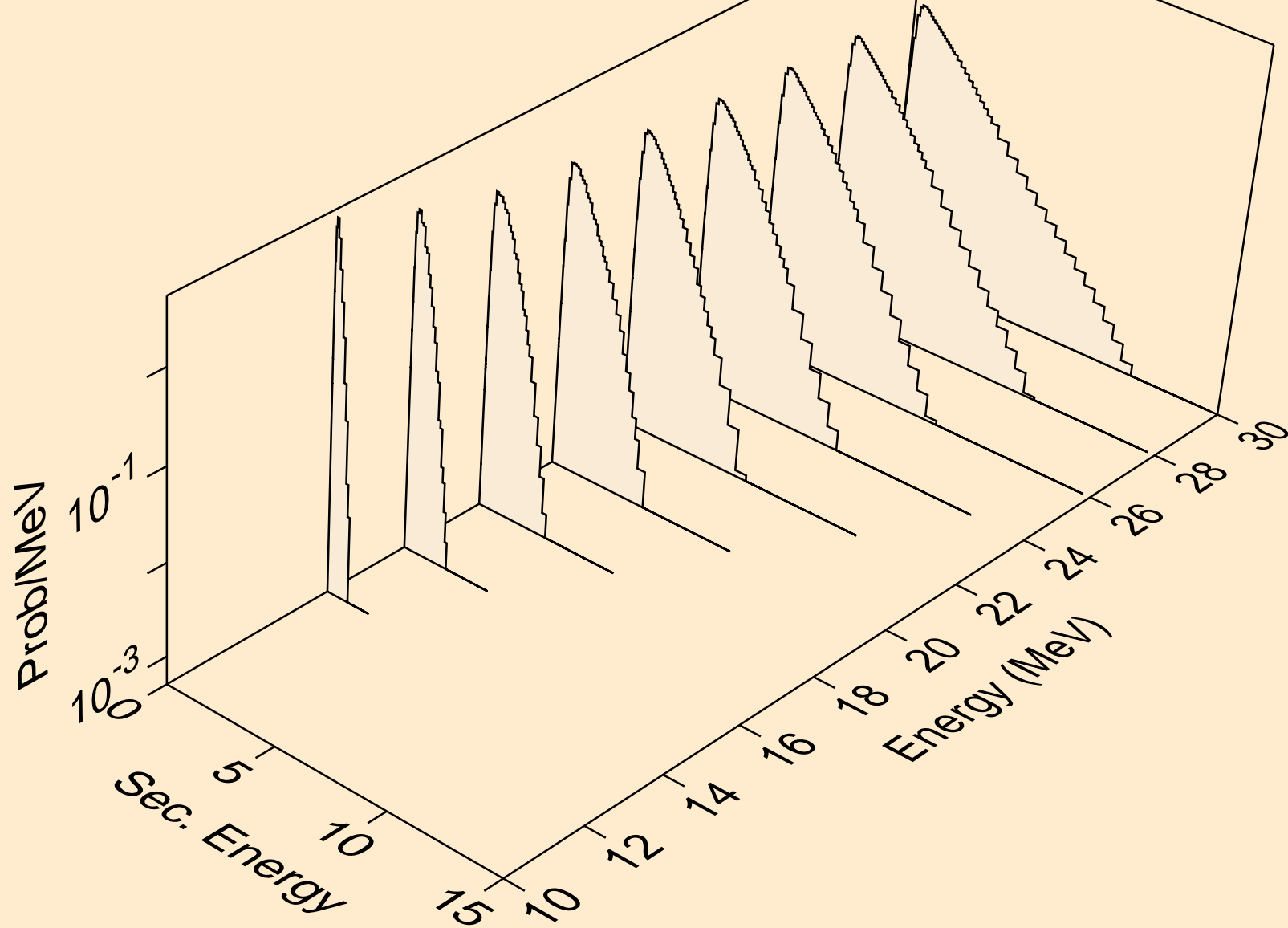
HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)he3



HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,4n)

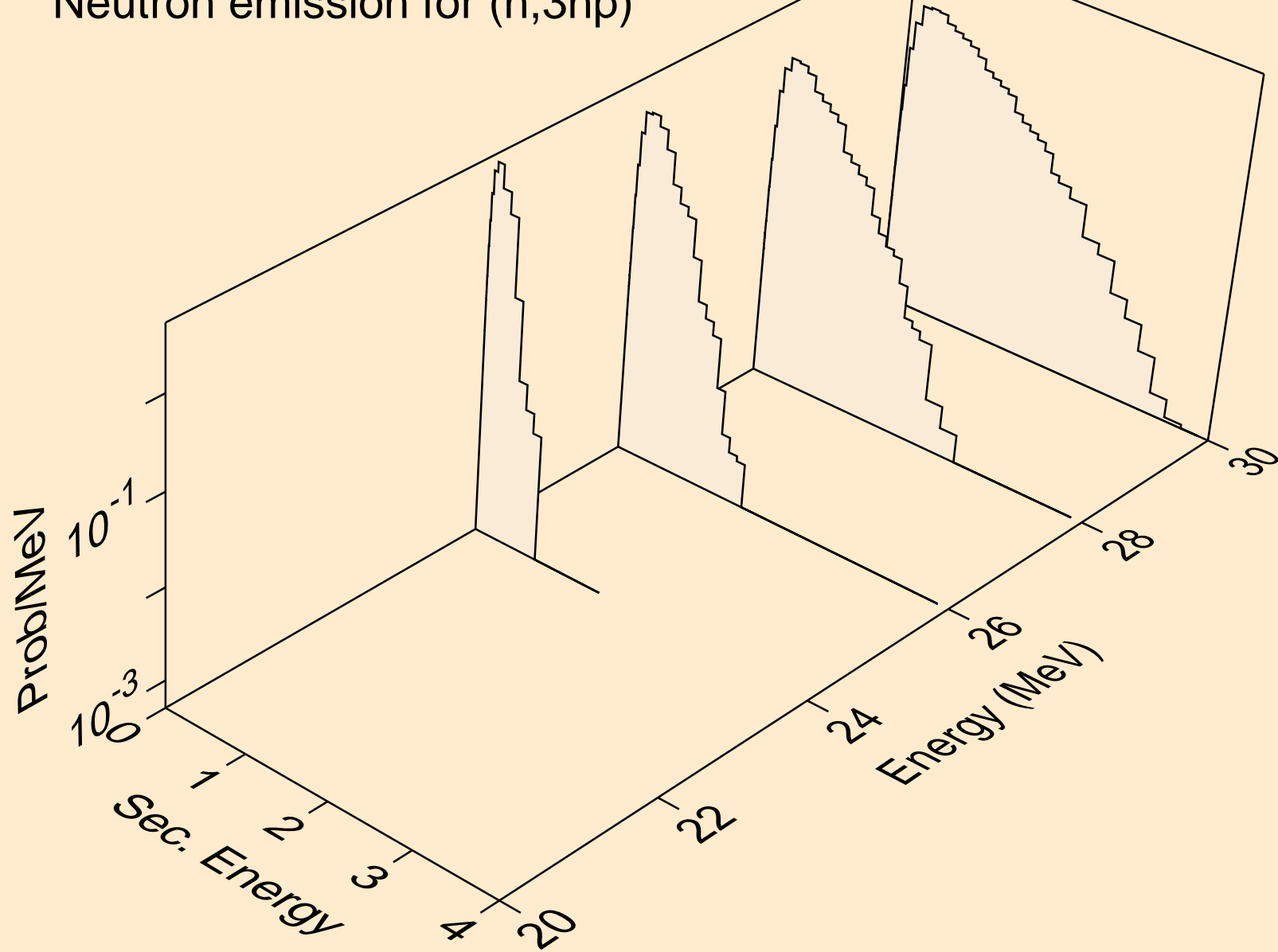


HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2np)

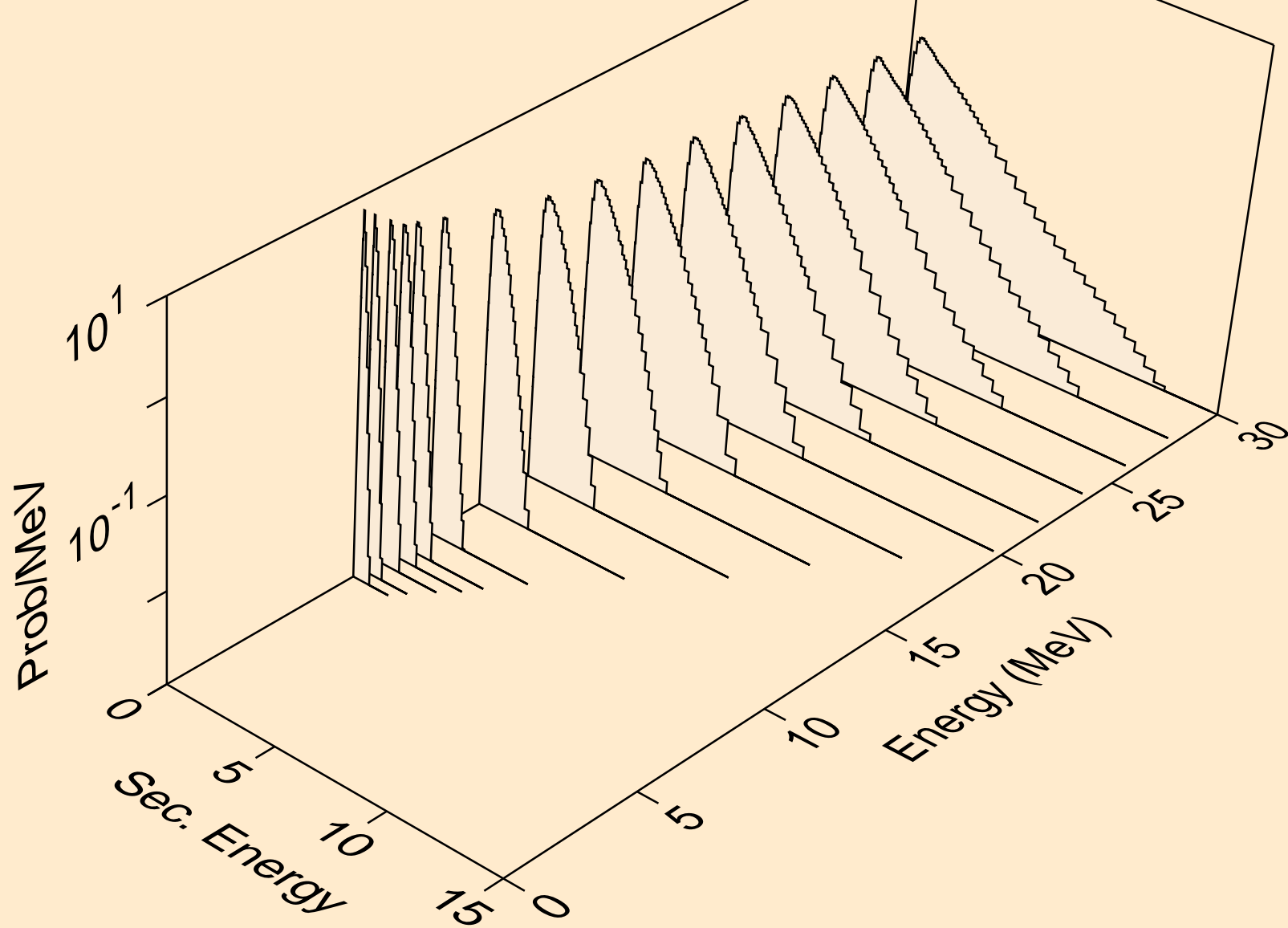




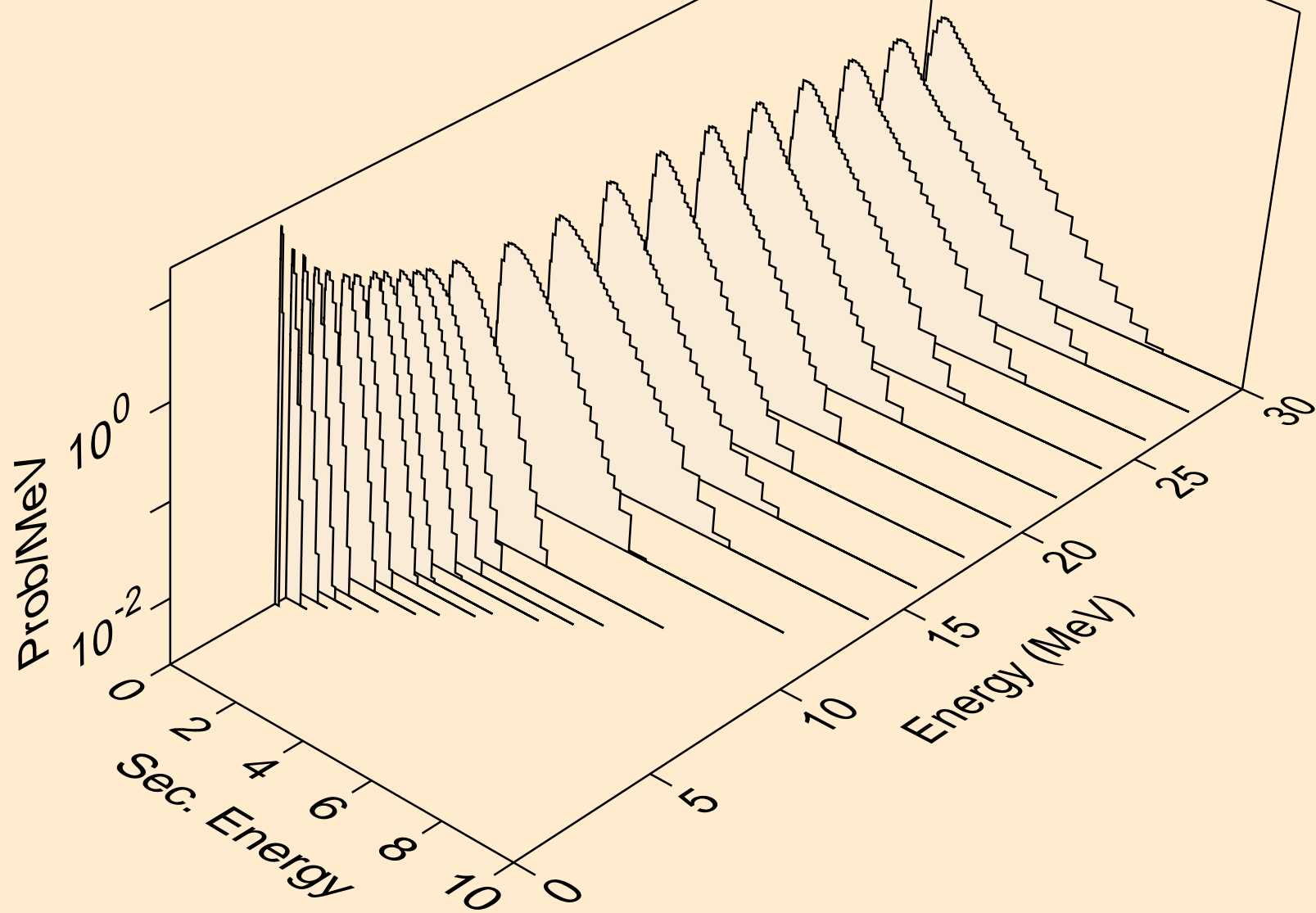
HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3np)



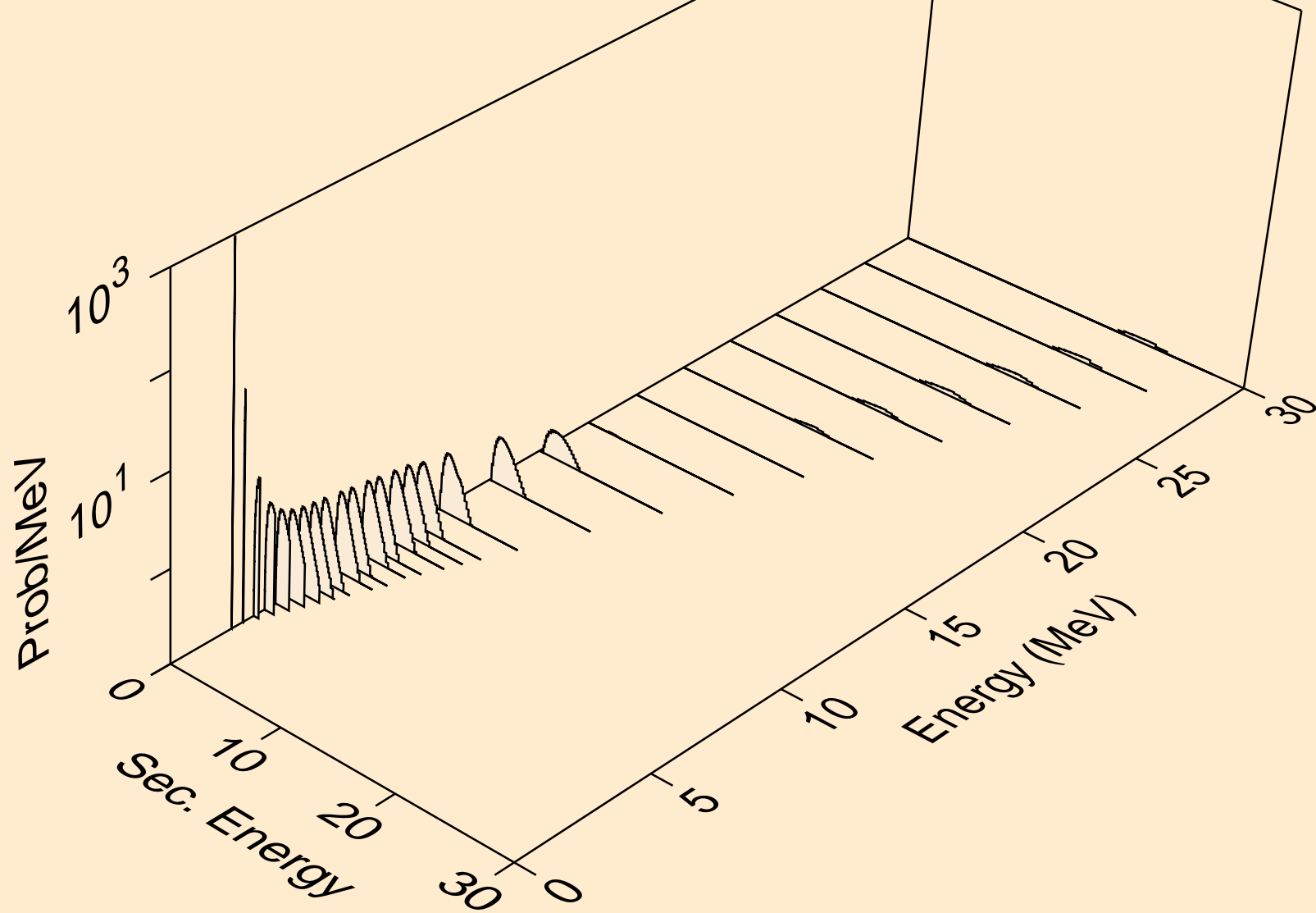
HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2np)



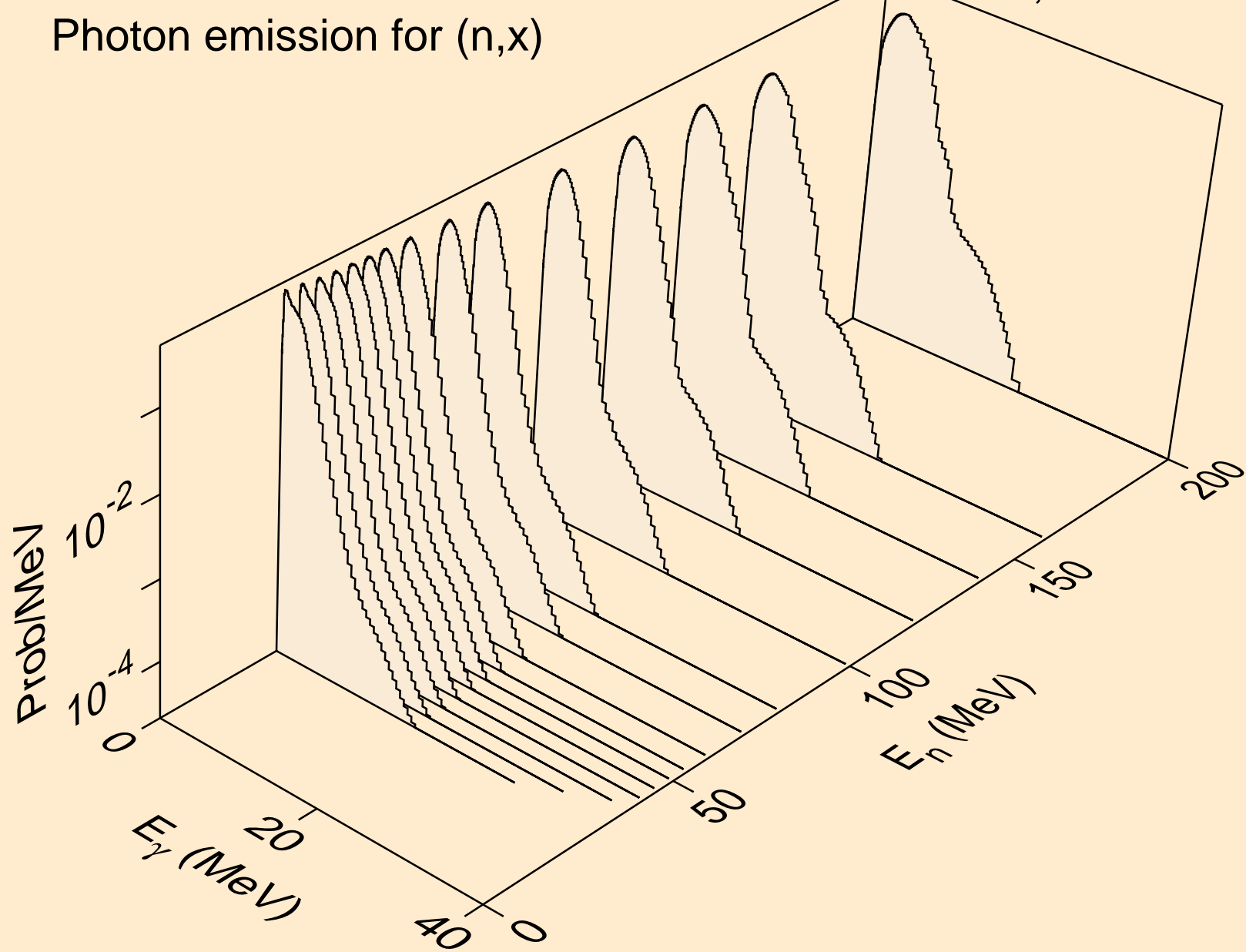
HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,npa)



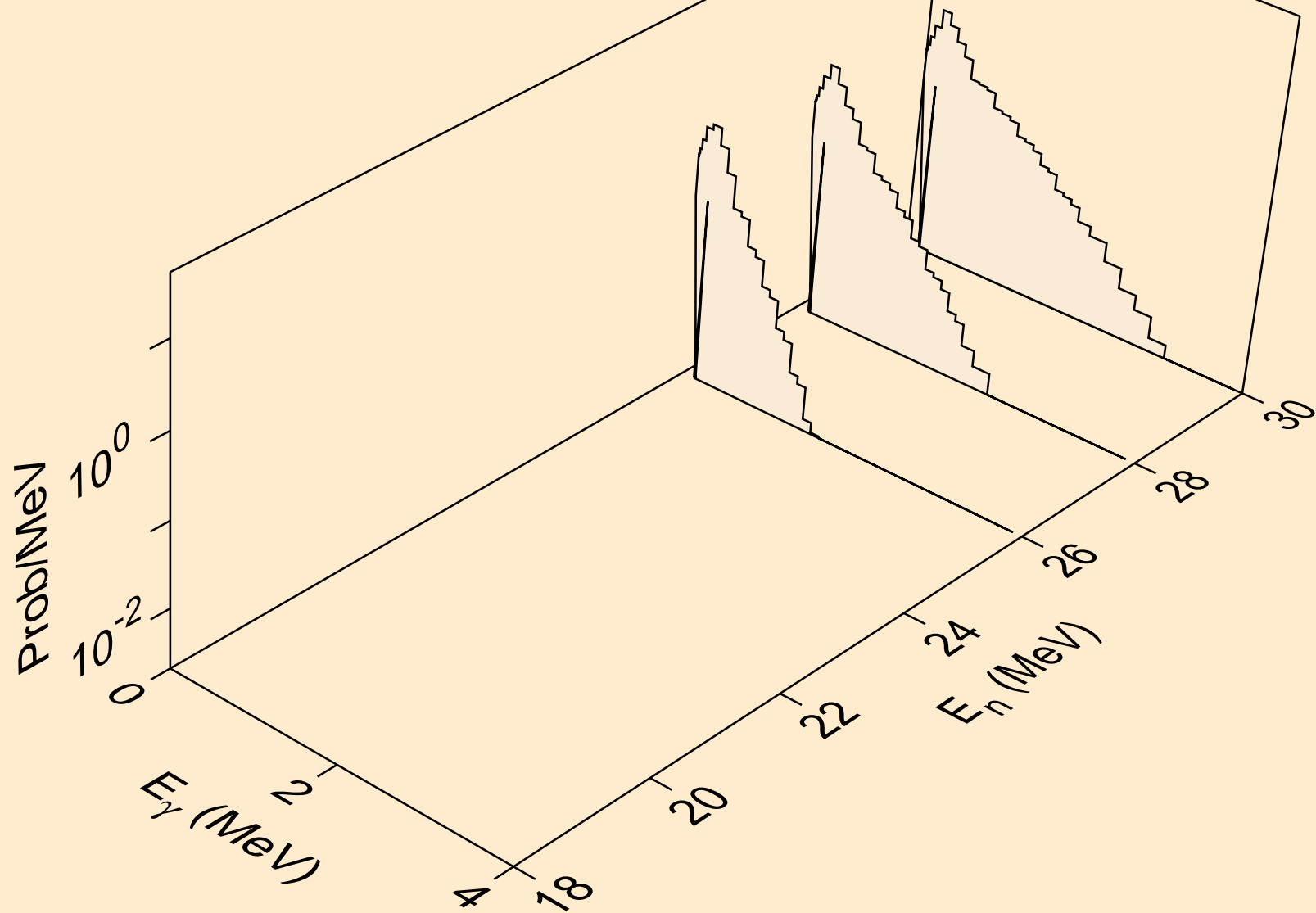
HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*c)



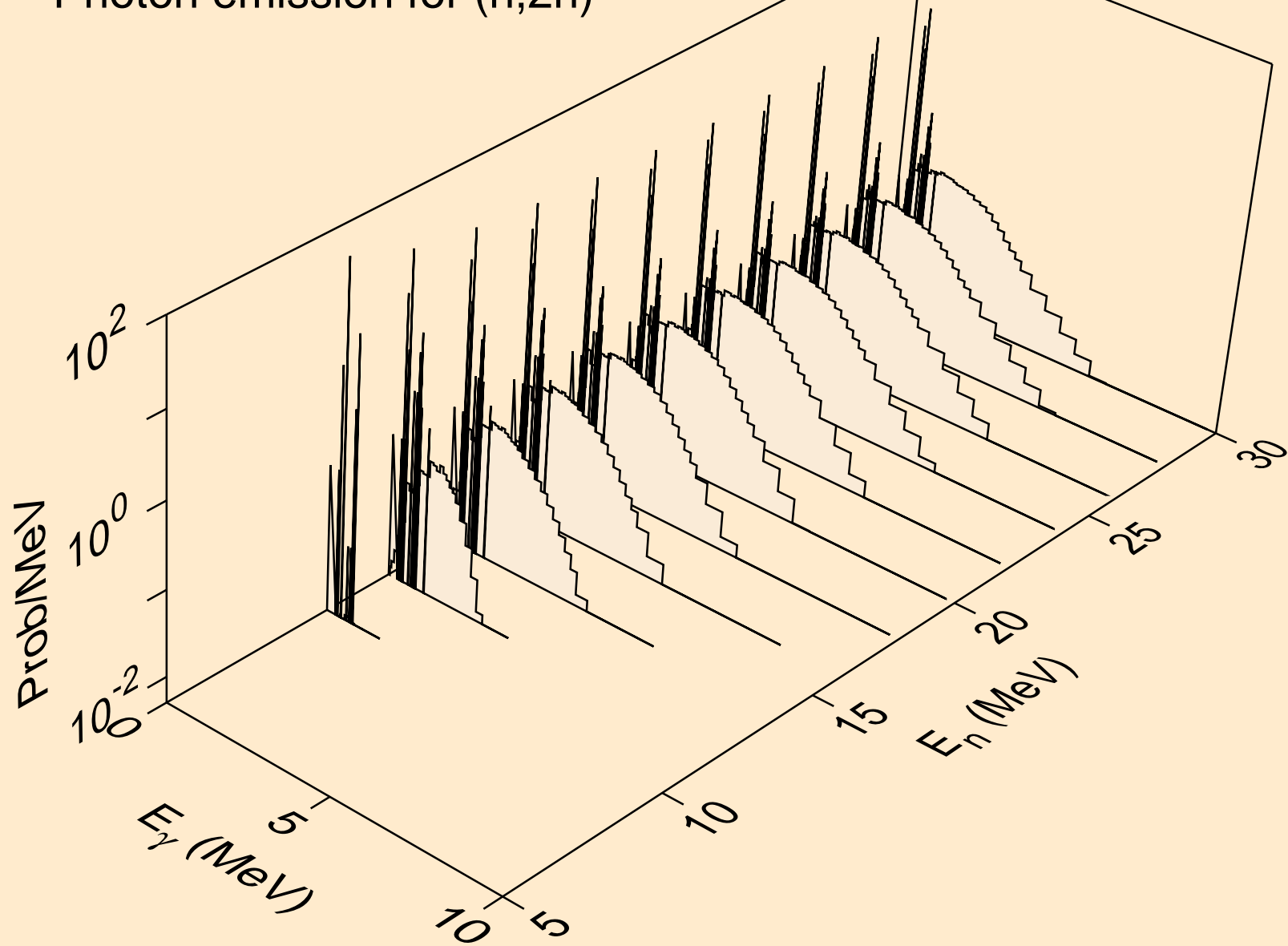
HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,x)



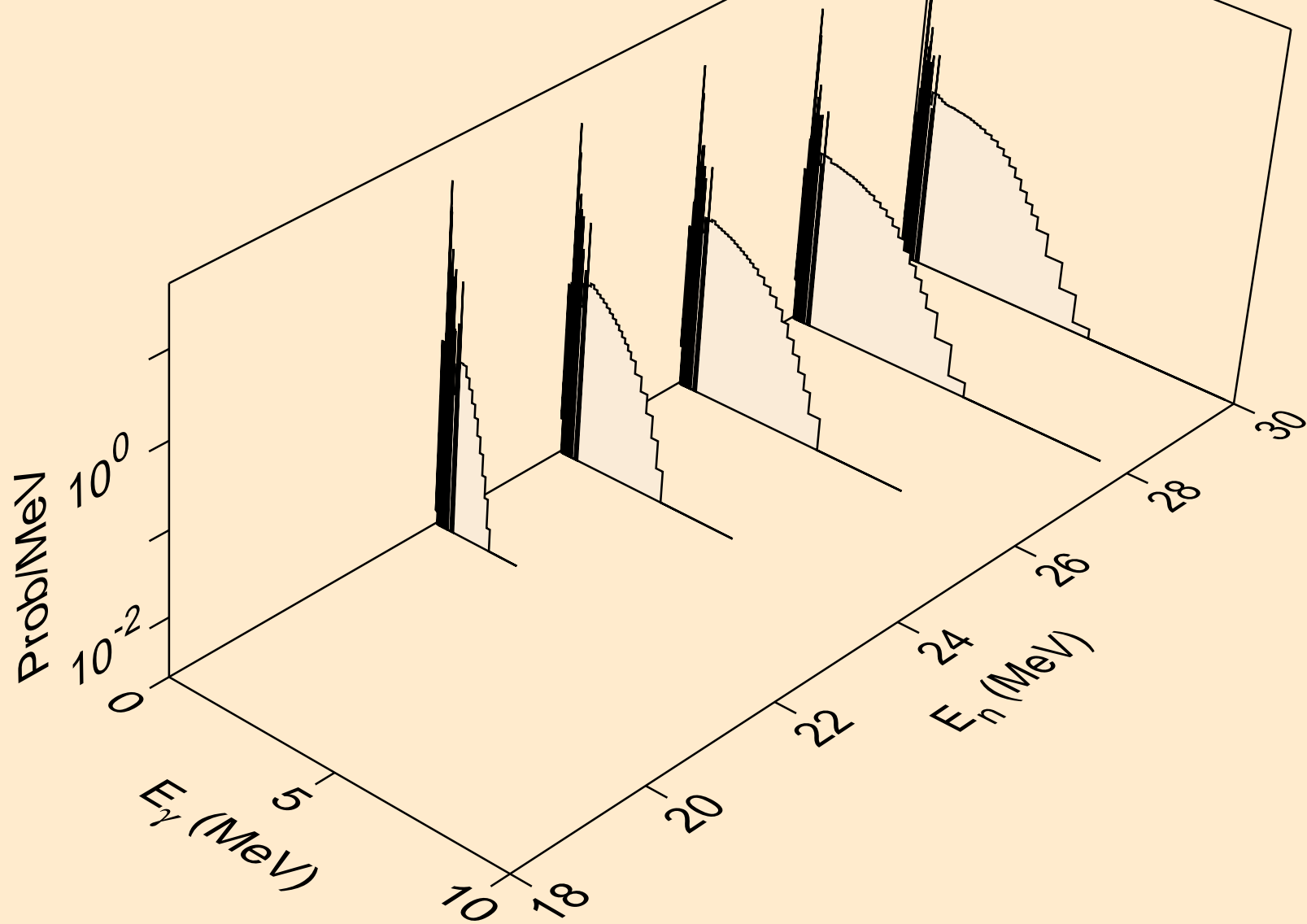
HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2nd)



HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2n)

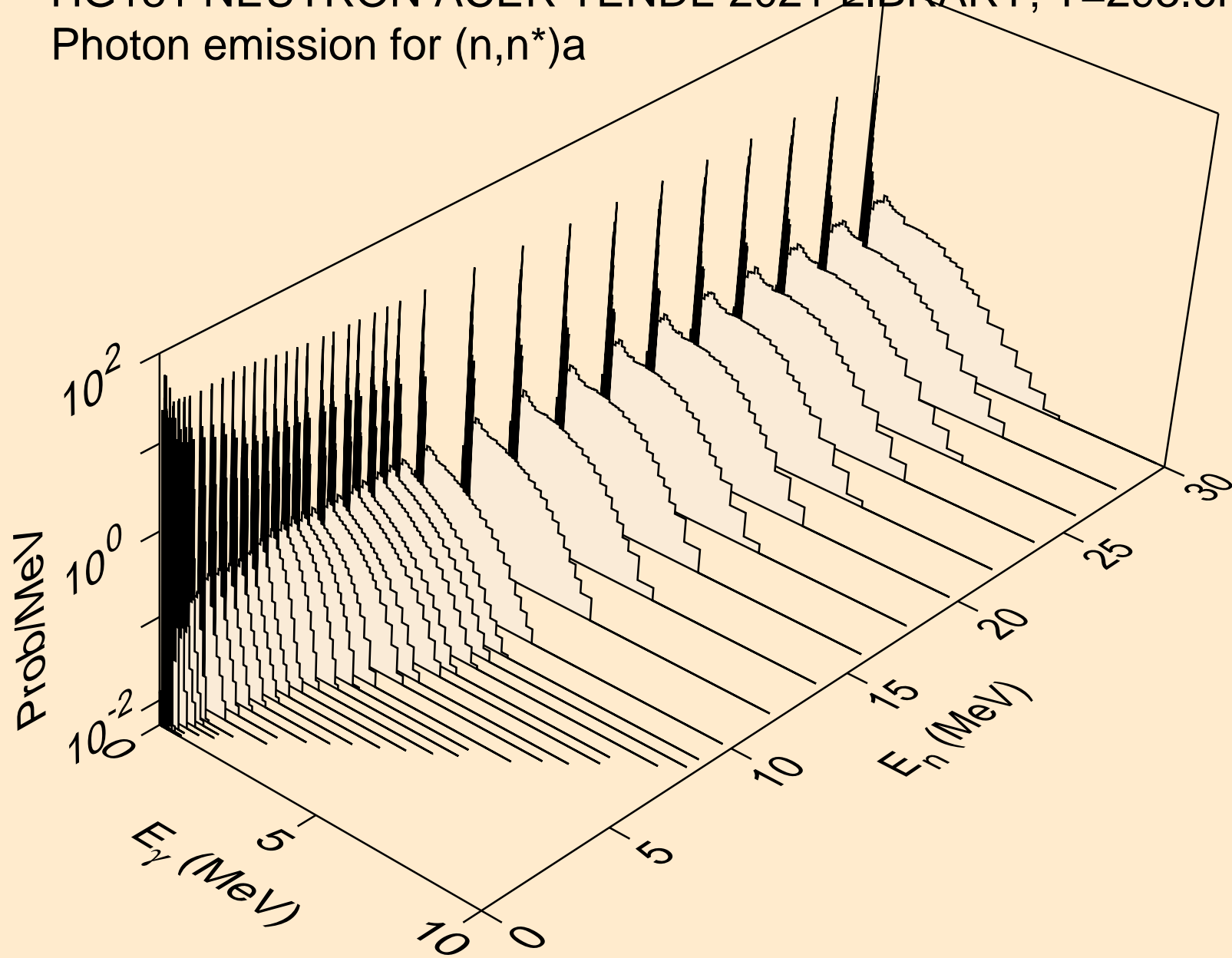


HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3n)

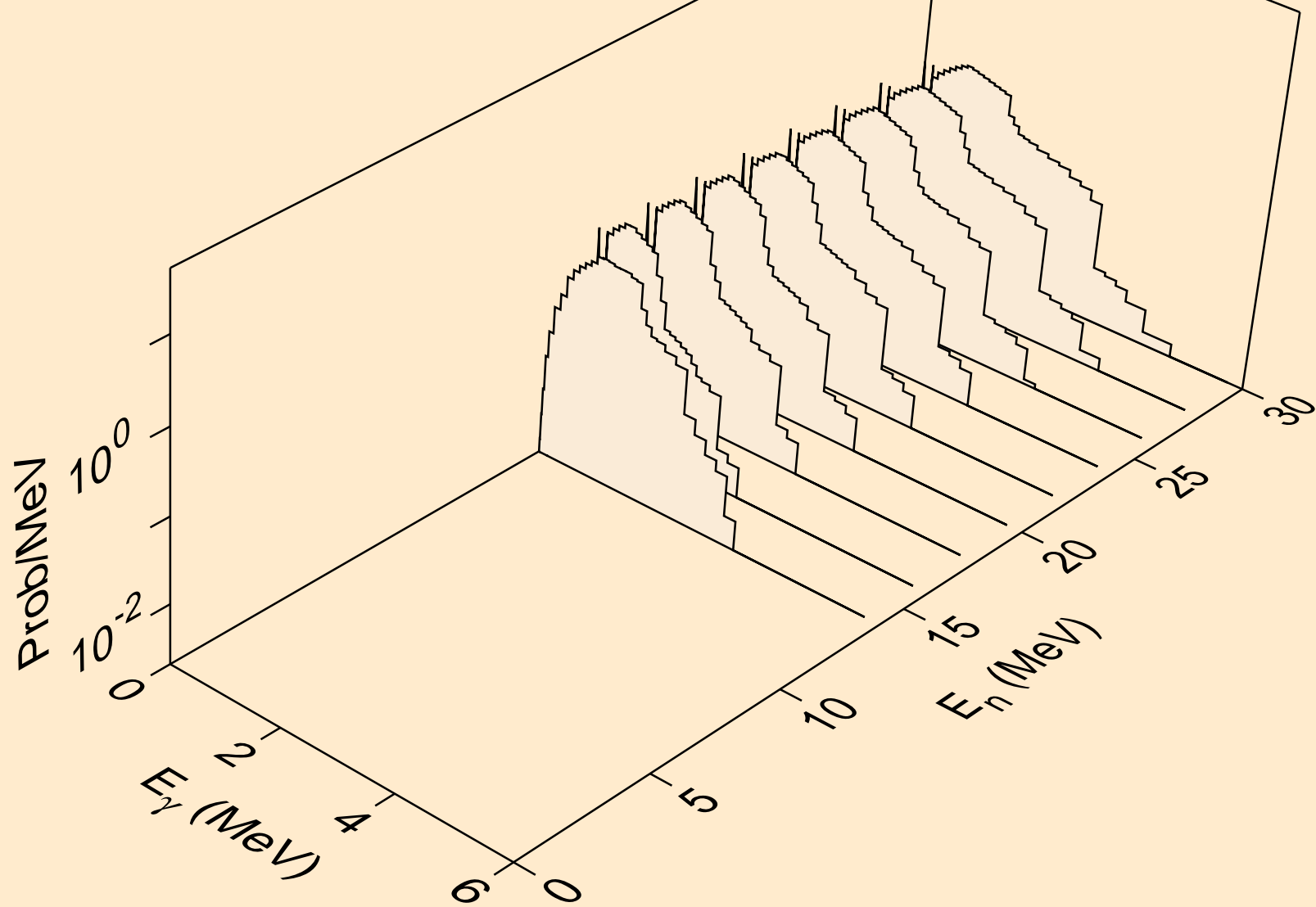




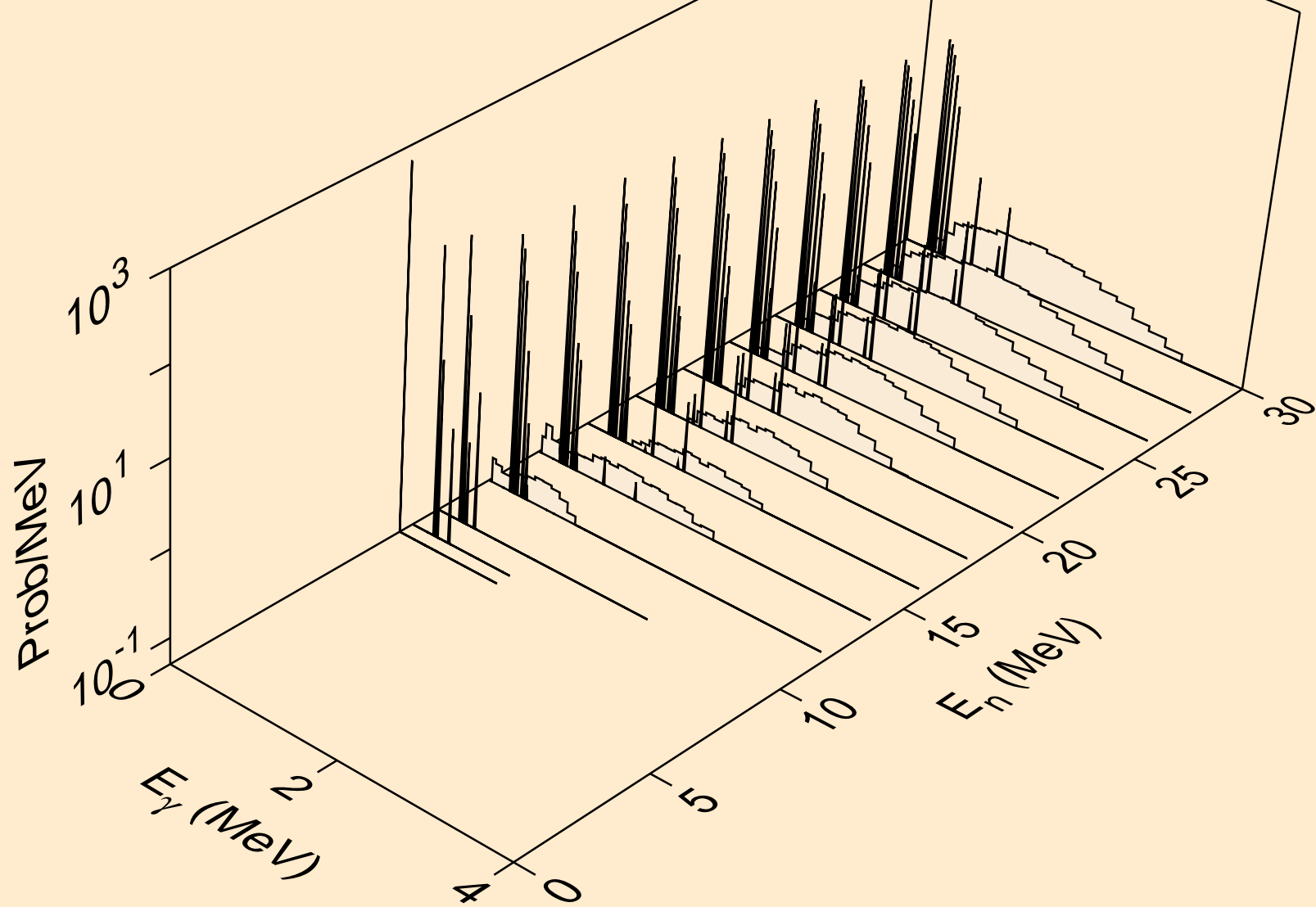
HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)a



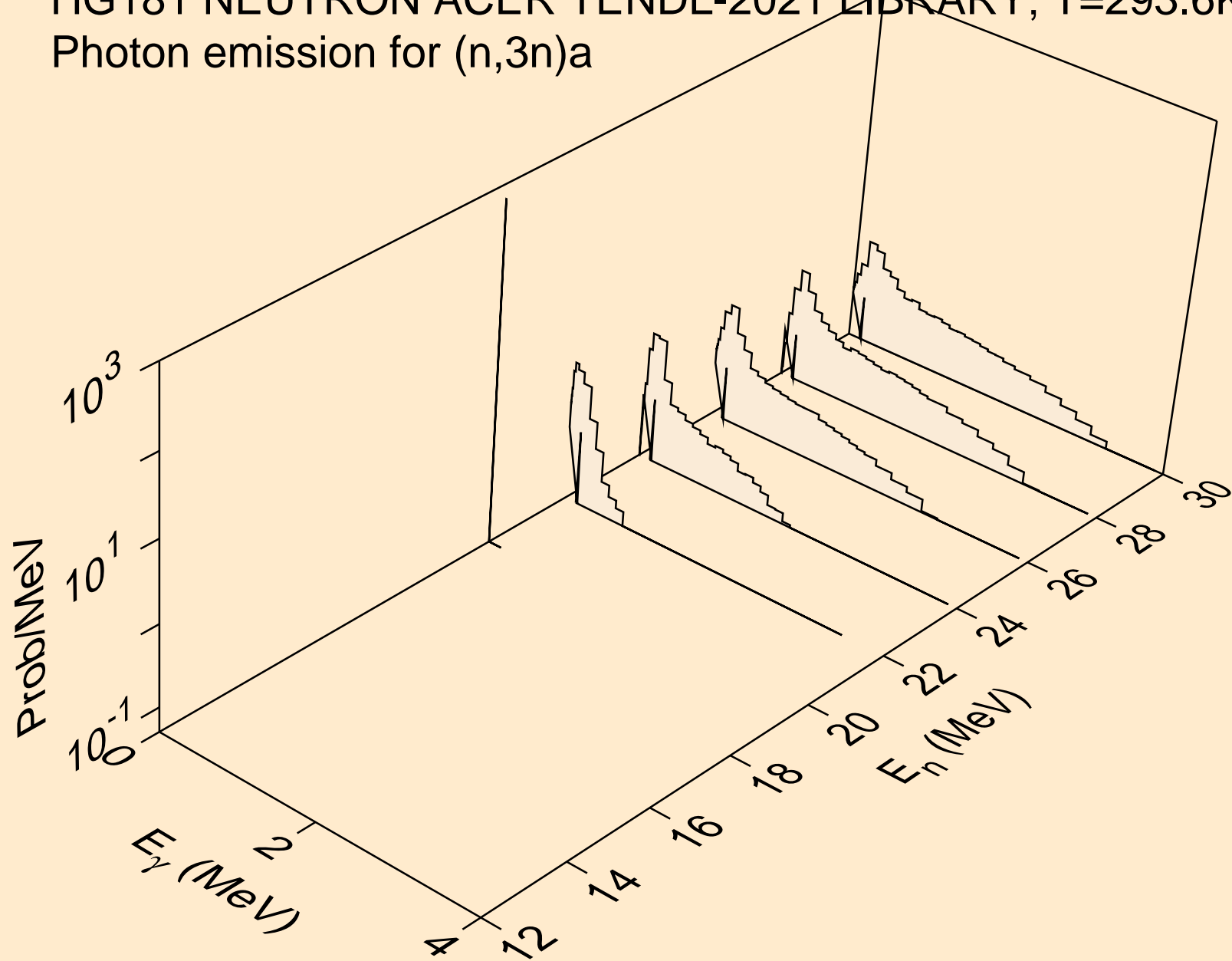
HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)3a



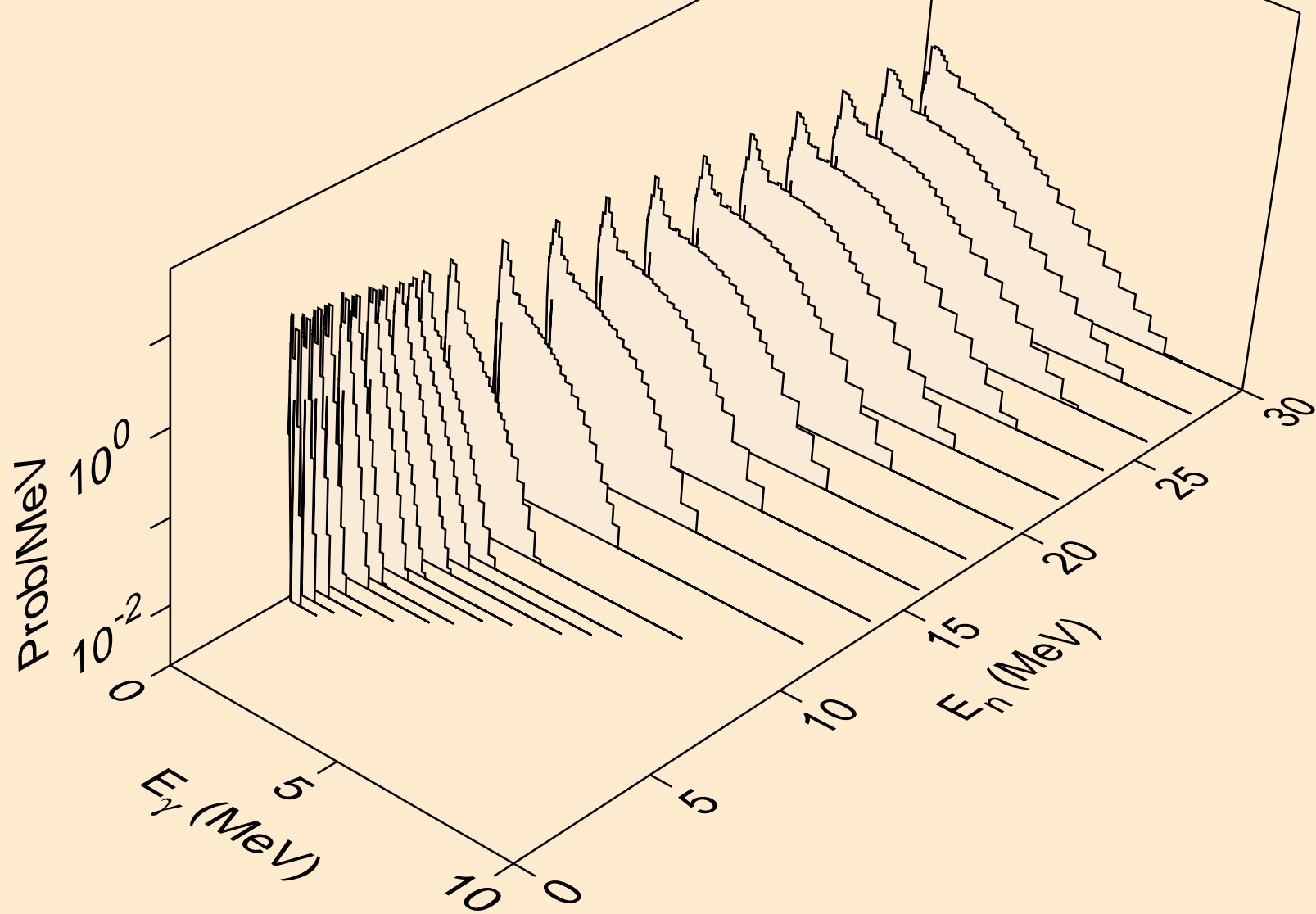
HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2n)a



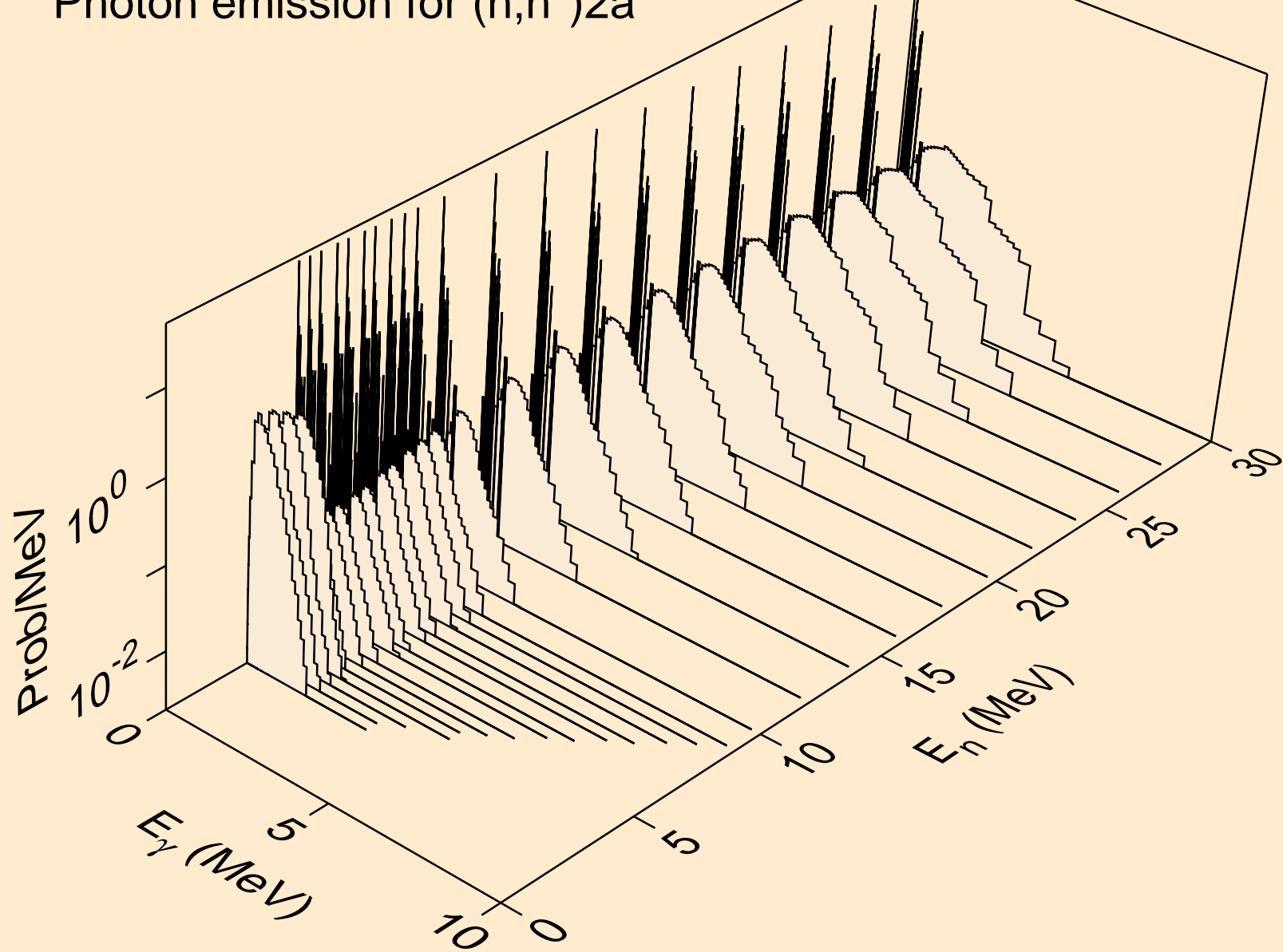
HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3n)a



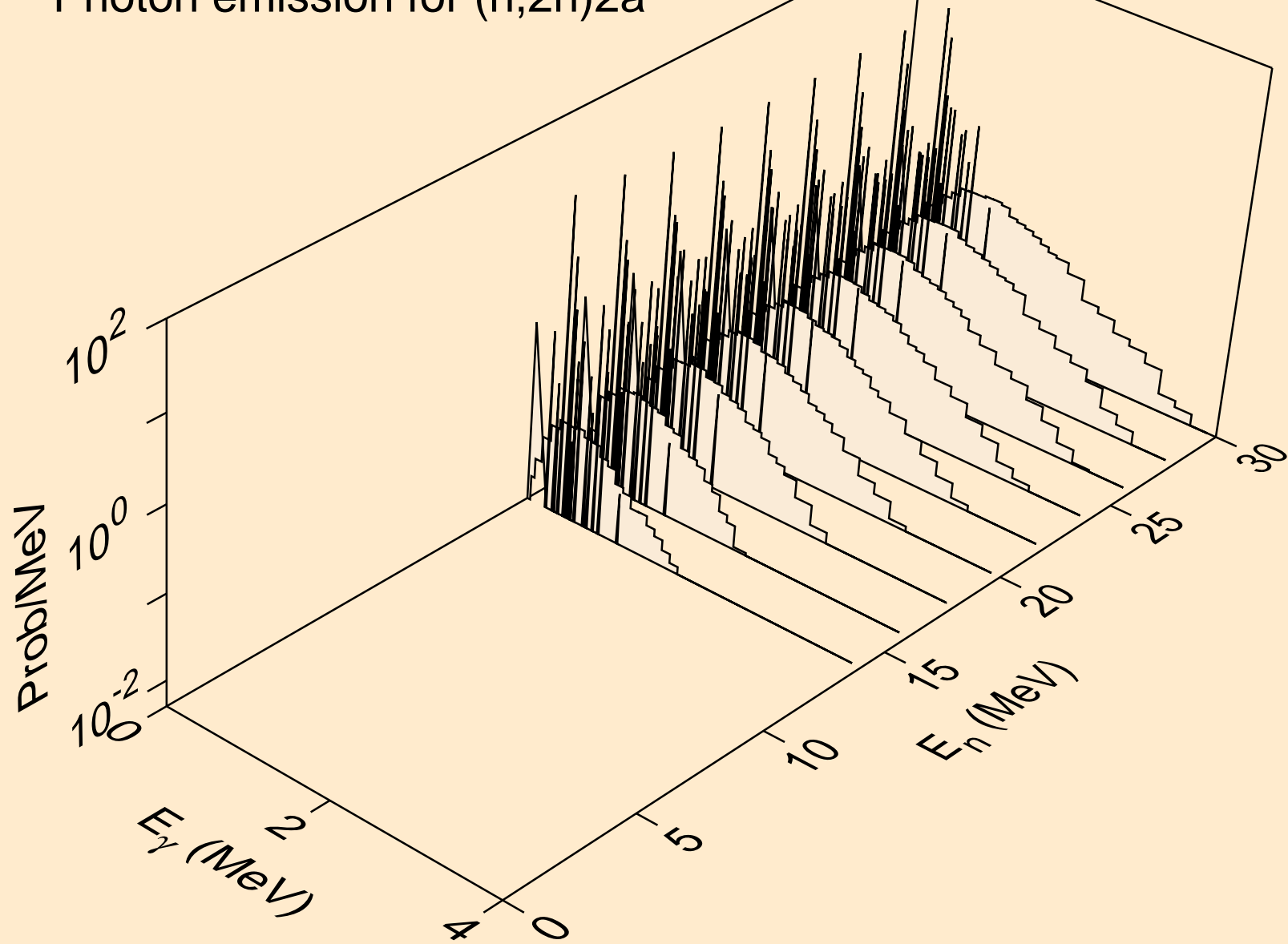
HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)p



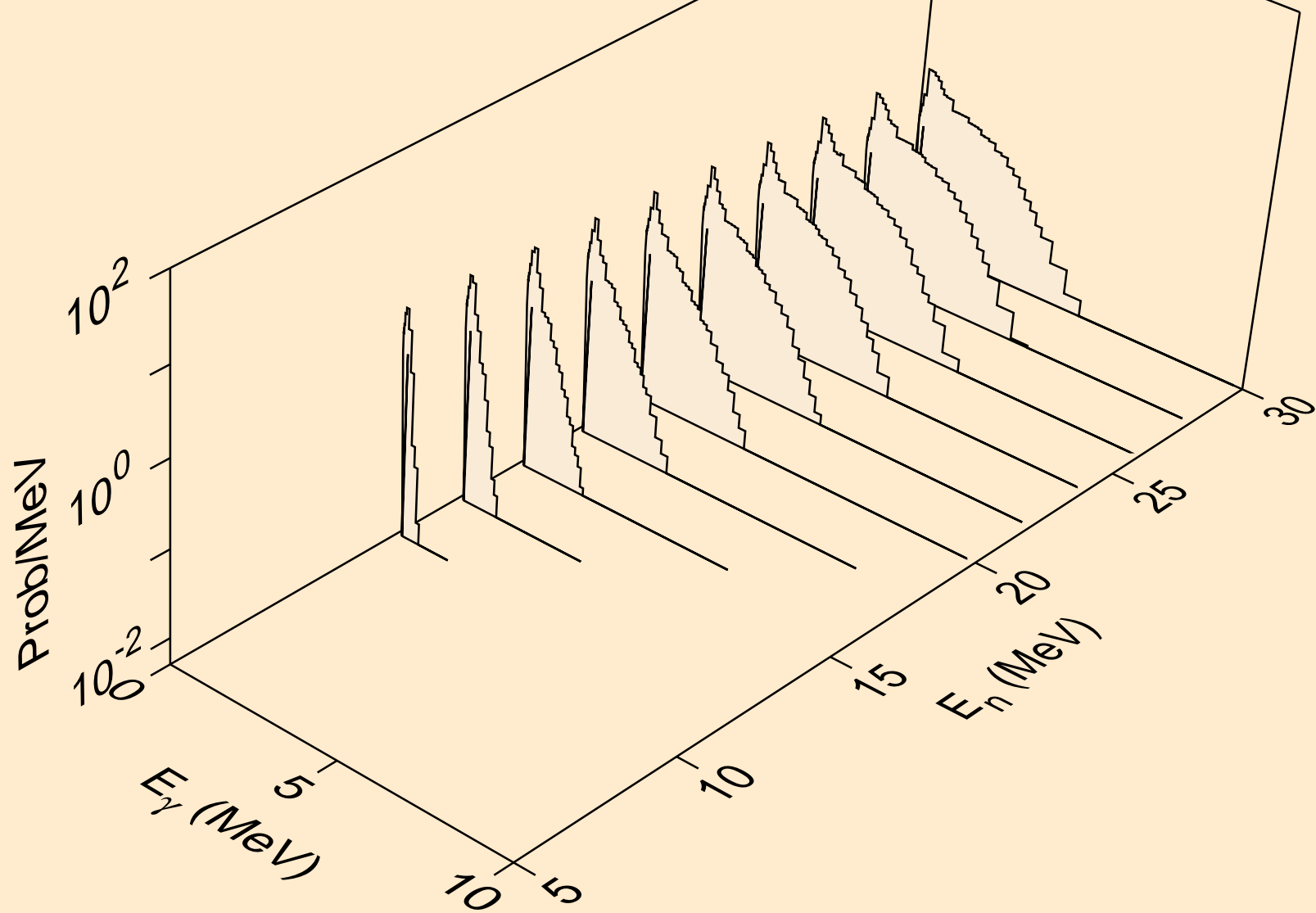
HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)2a



HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2n)2a

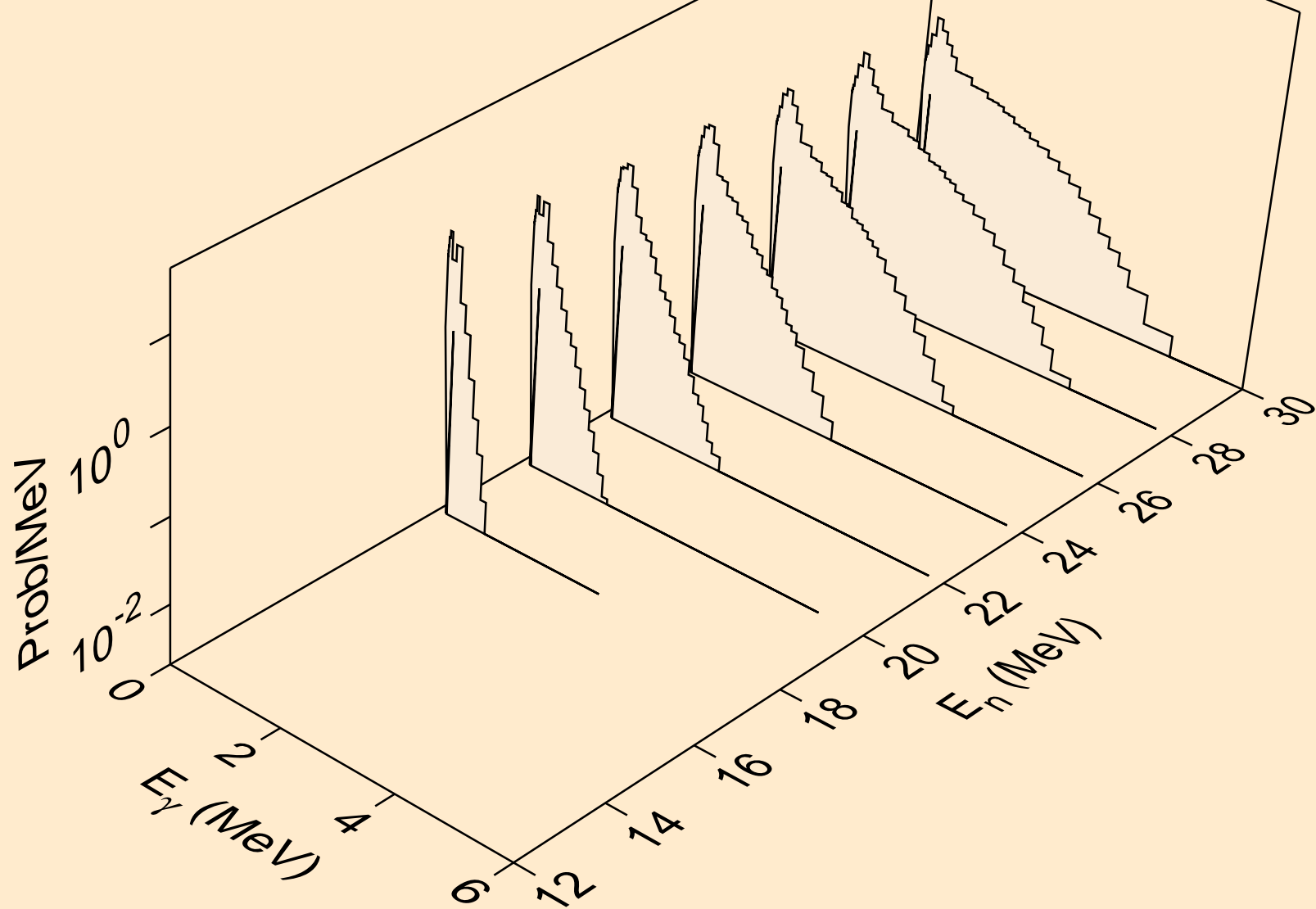


HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)d

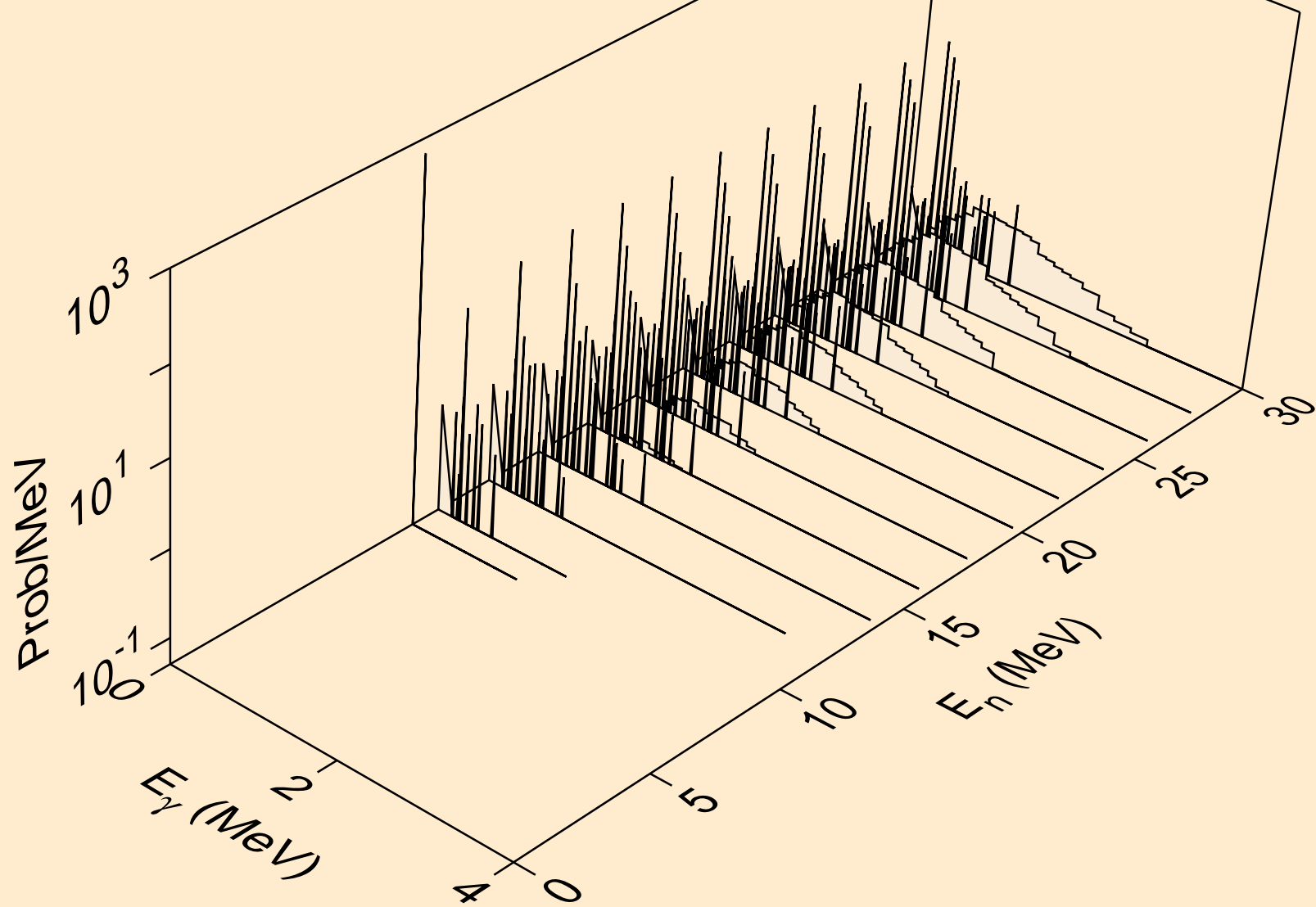




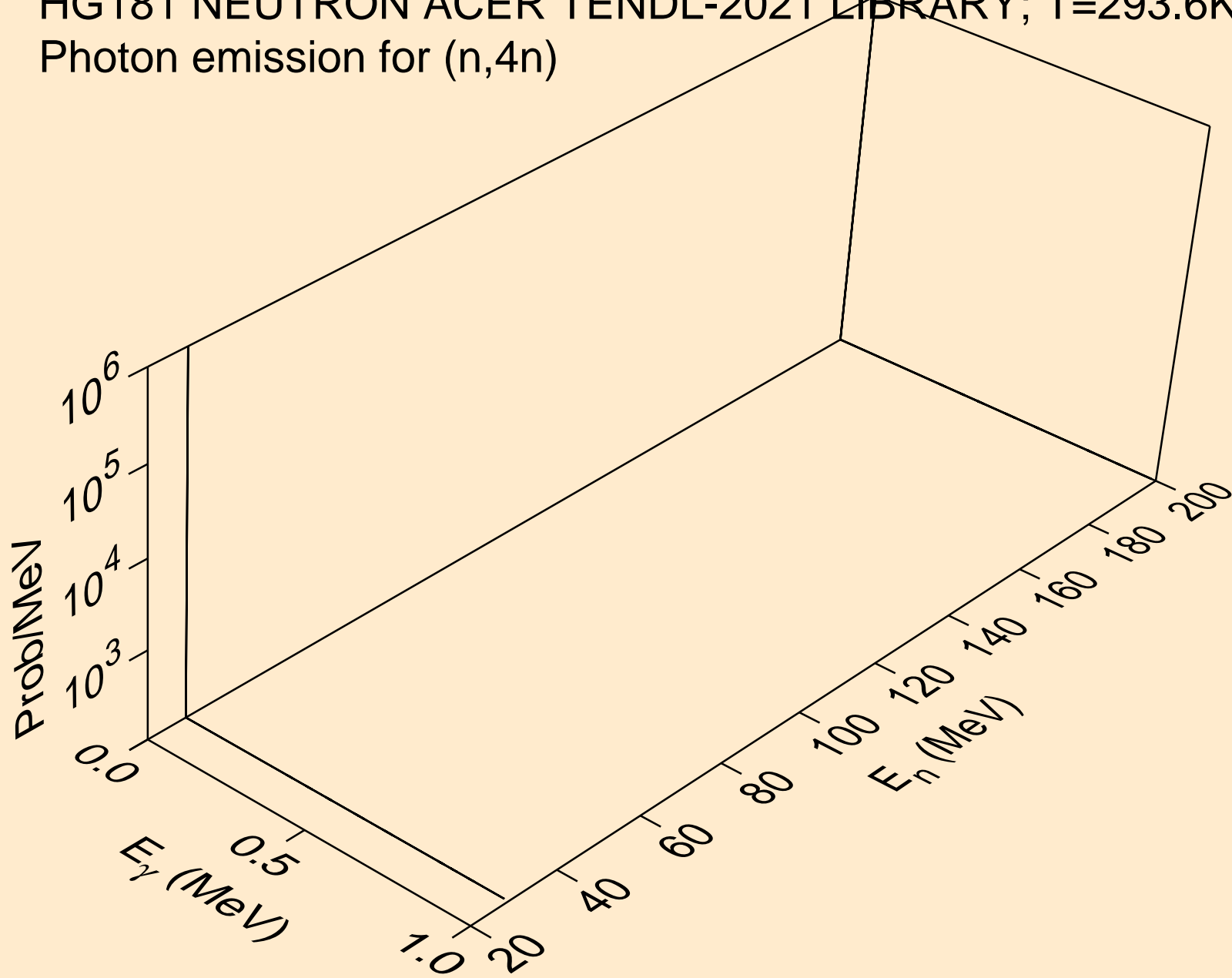
HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)t



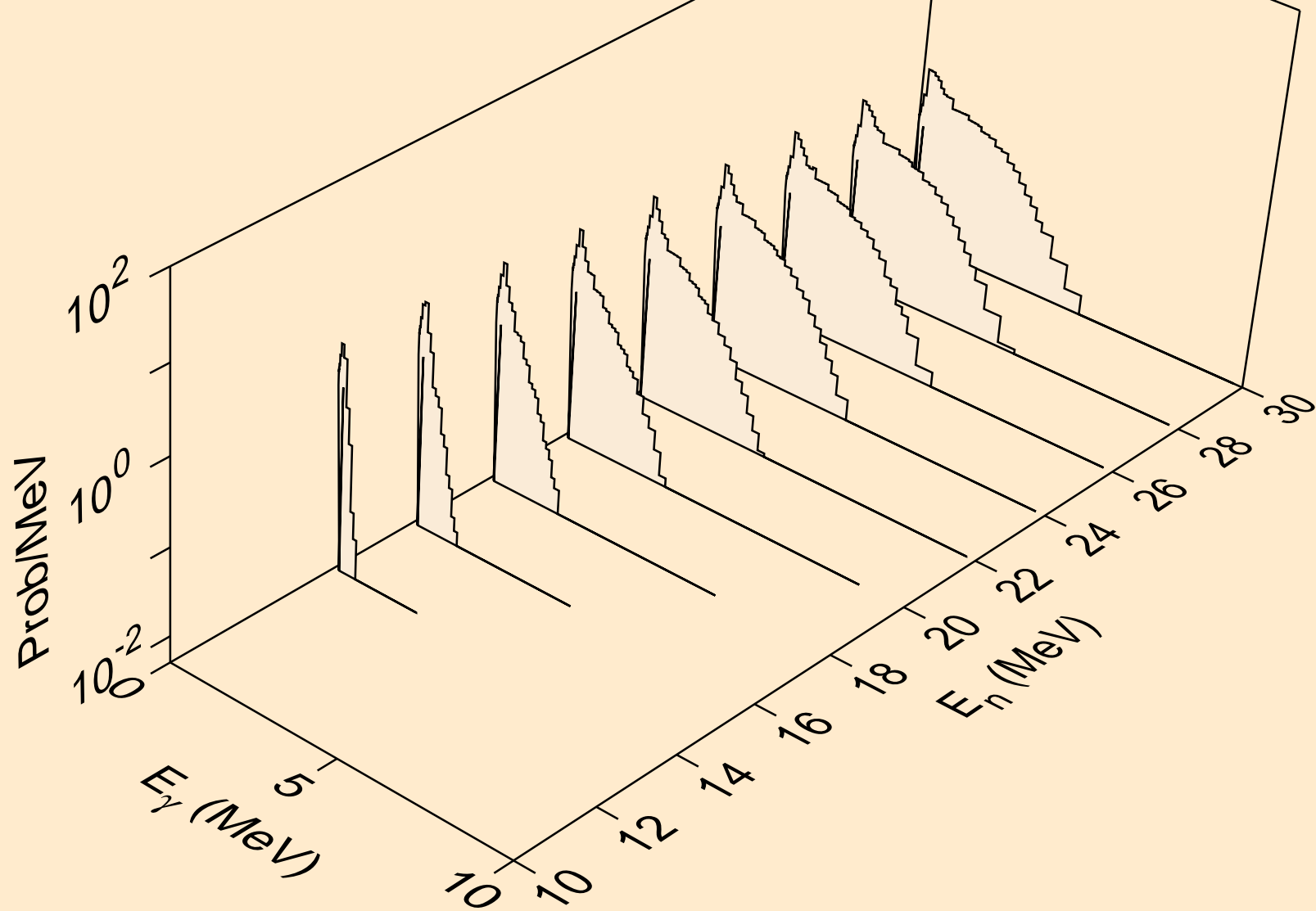
HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)he3



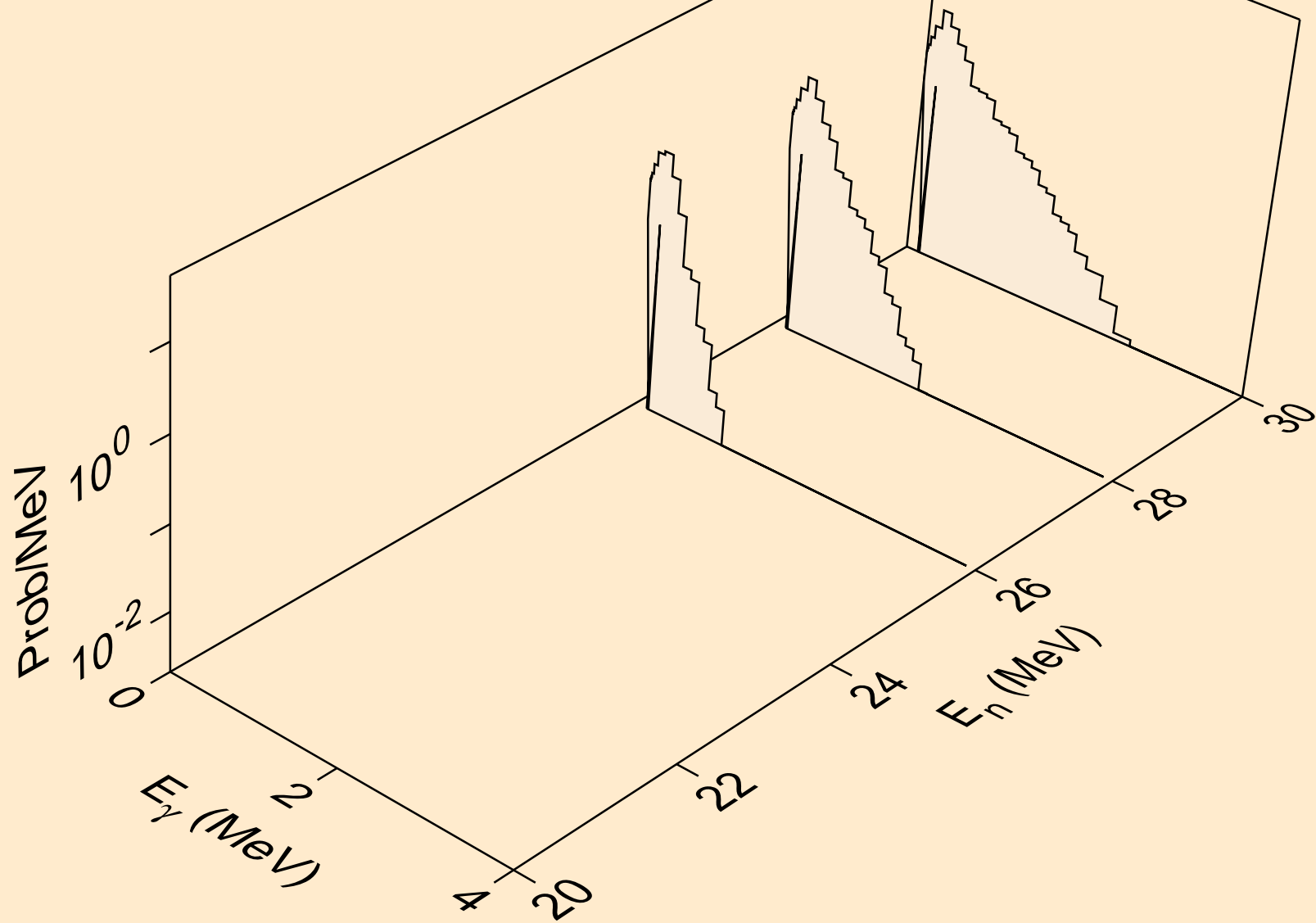
HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,4n)



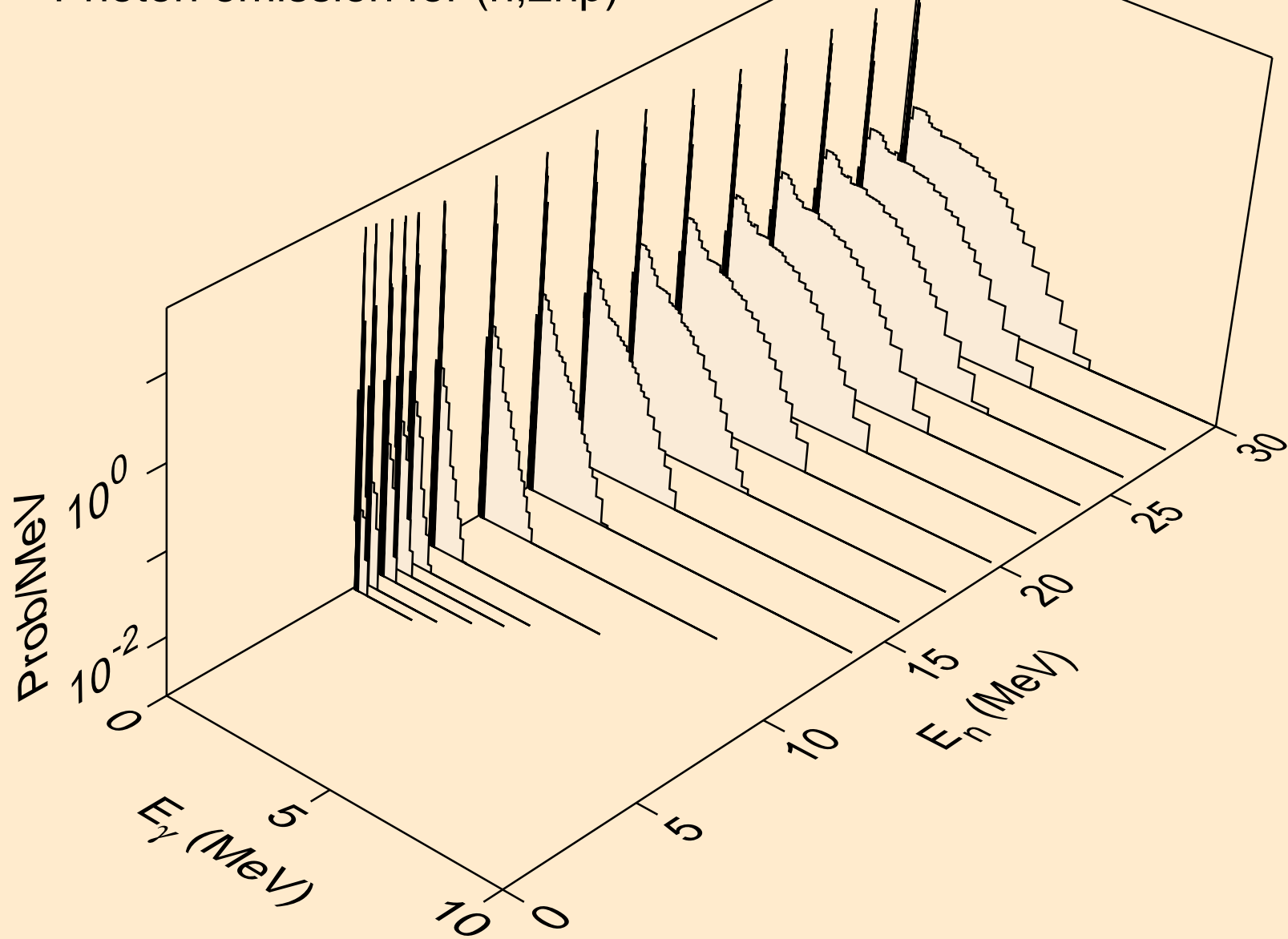
HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2np)



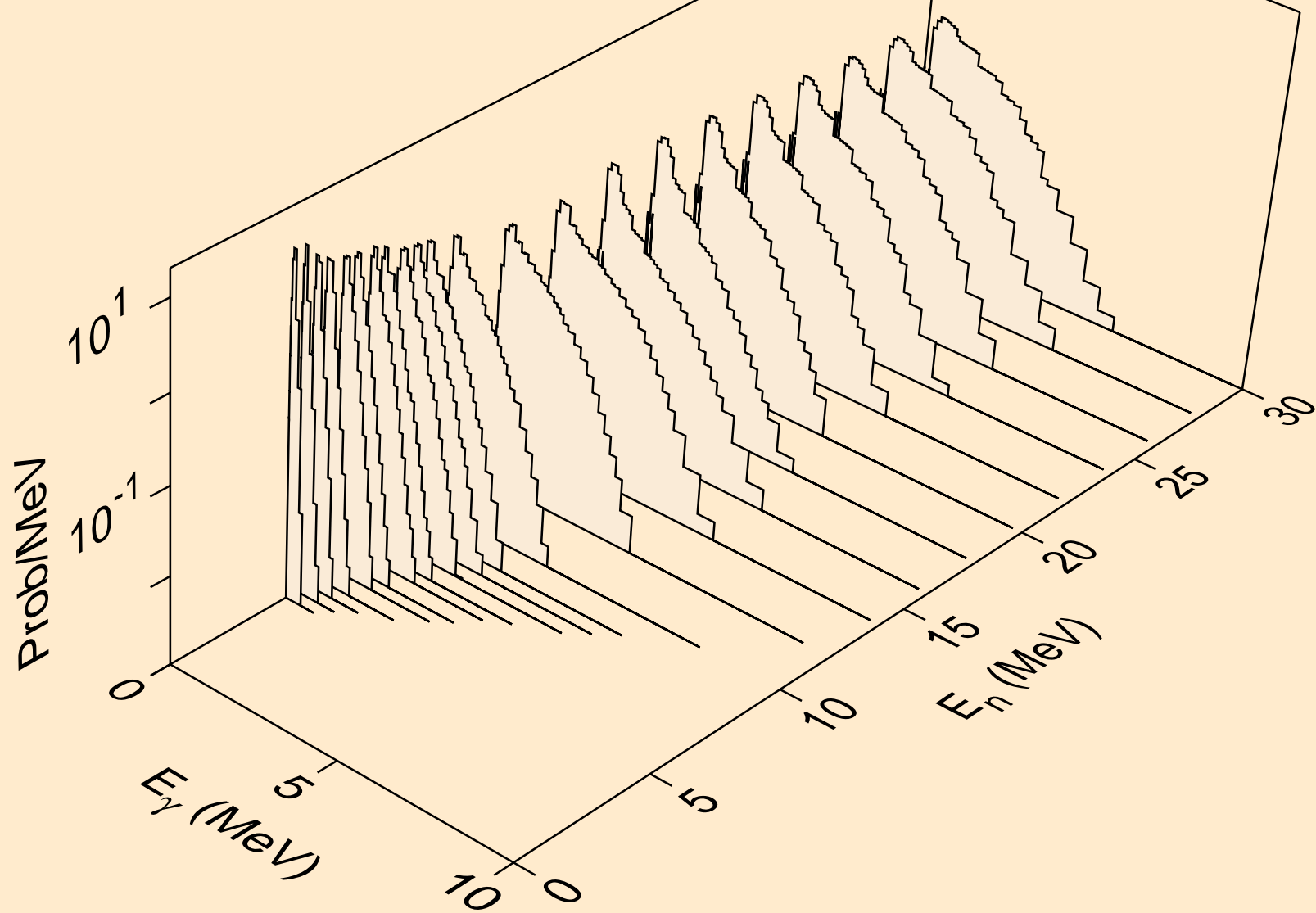
HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3np)



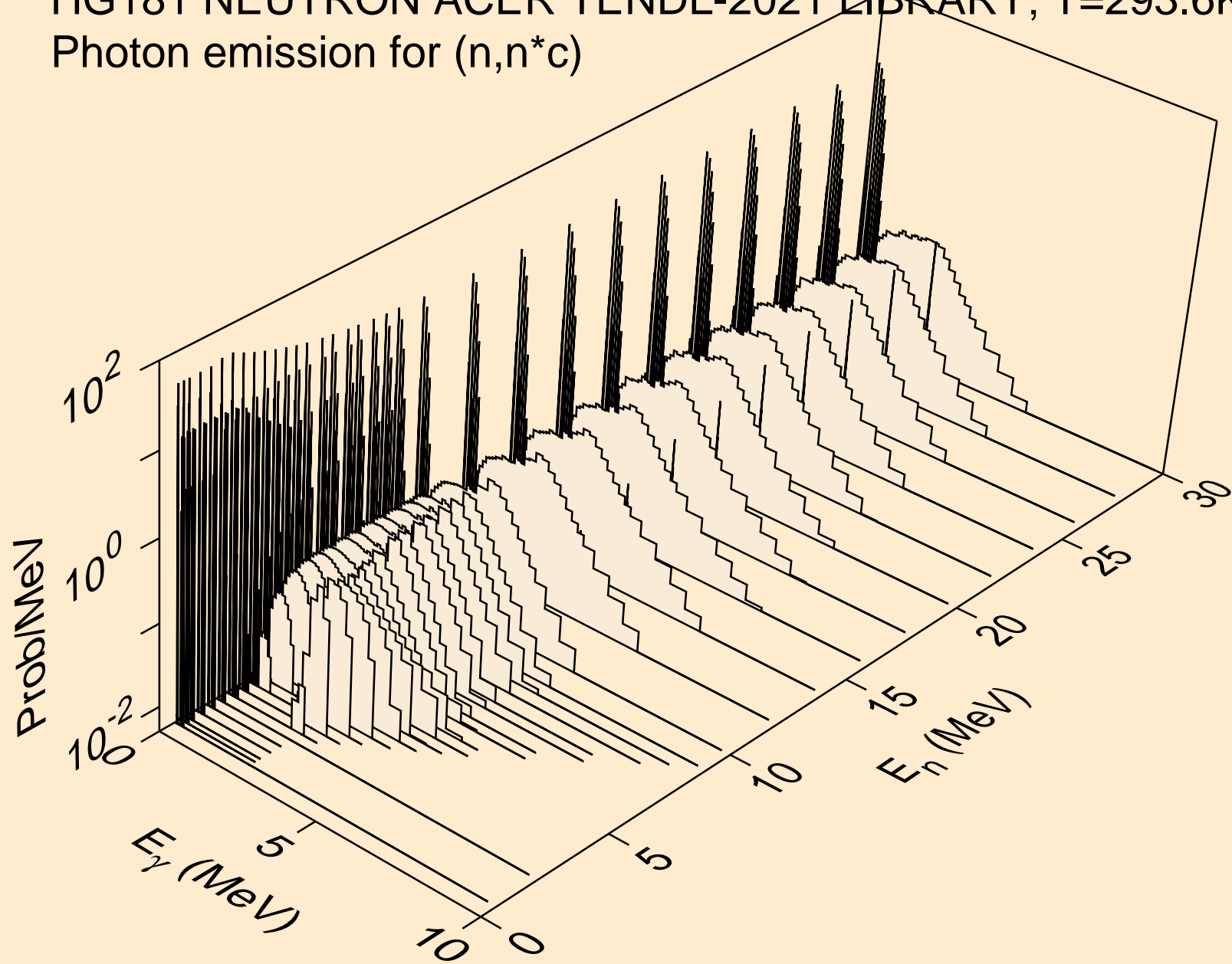
HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2np)



HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,npa)

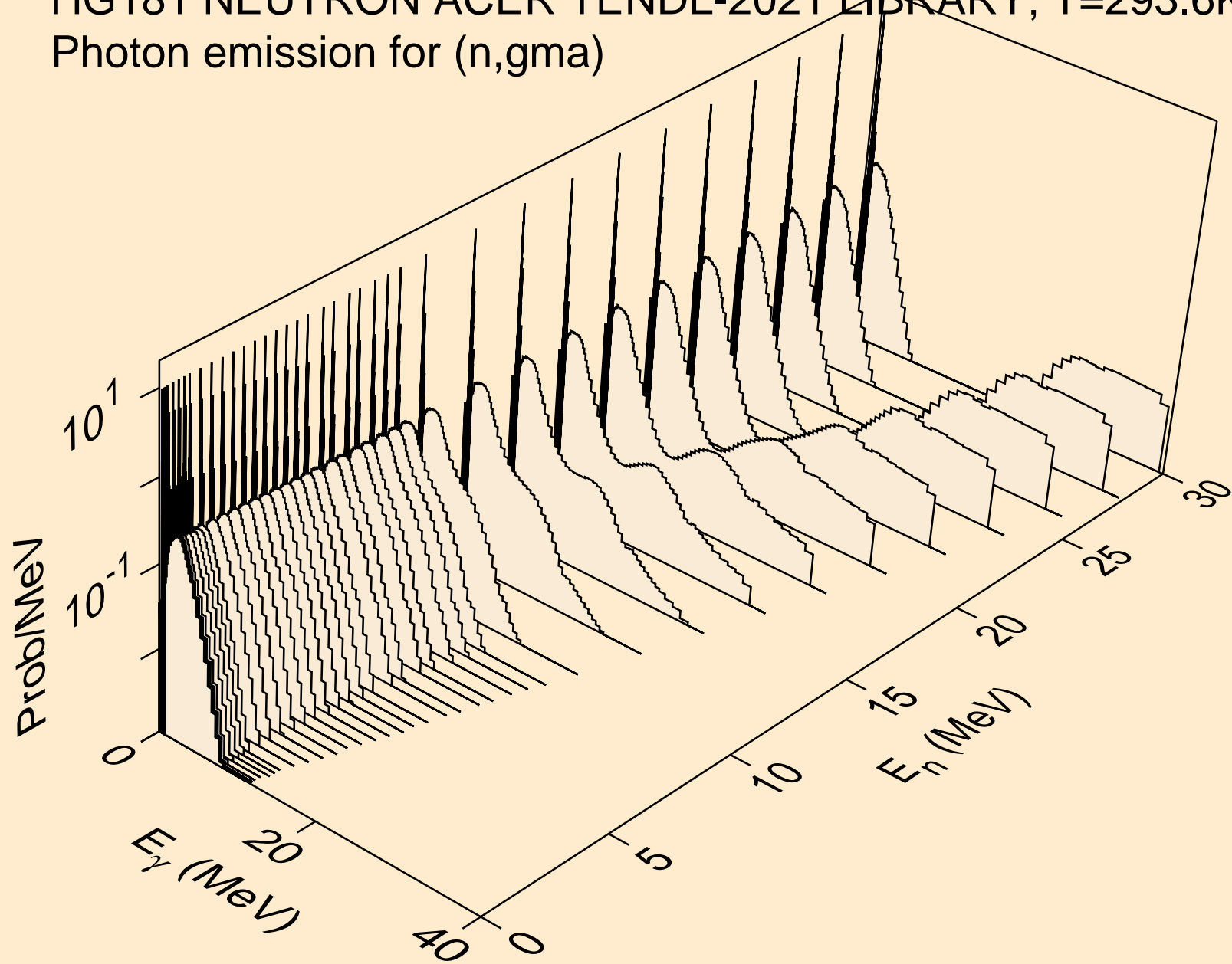


HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*c)

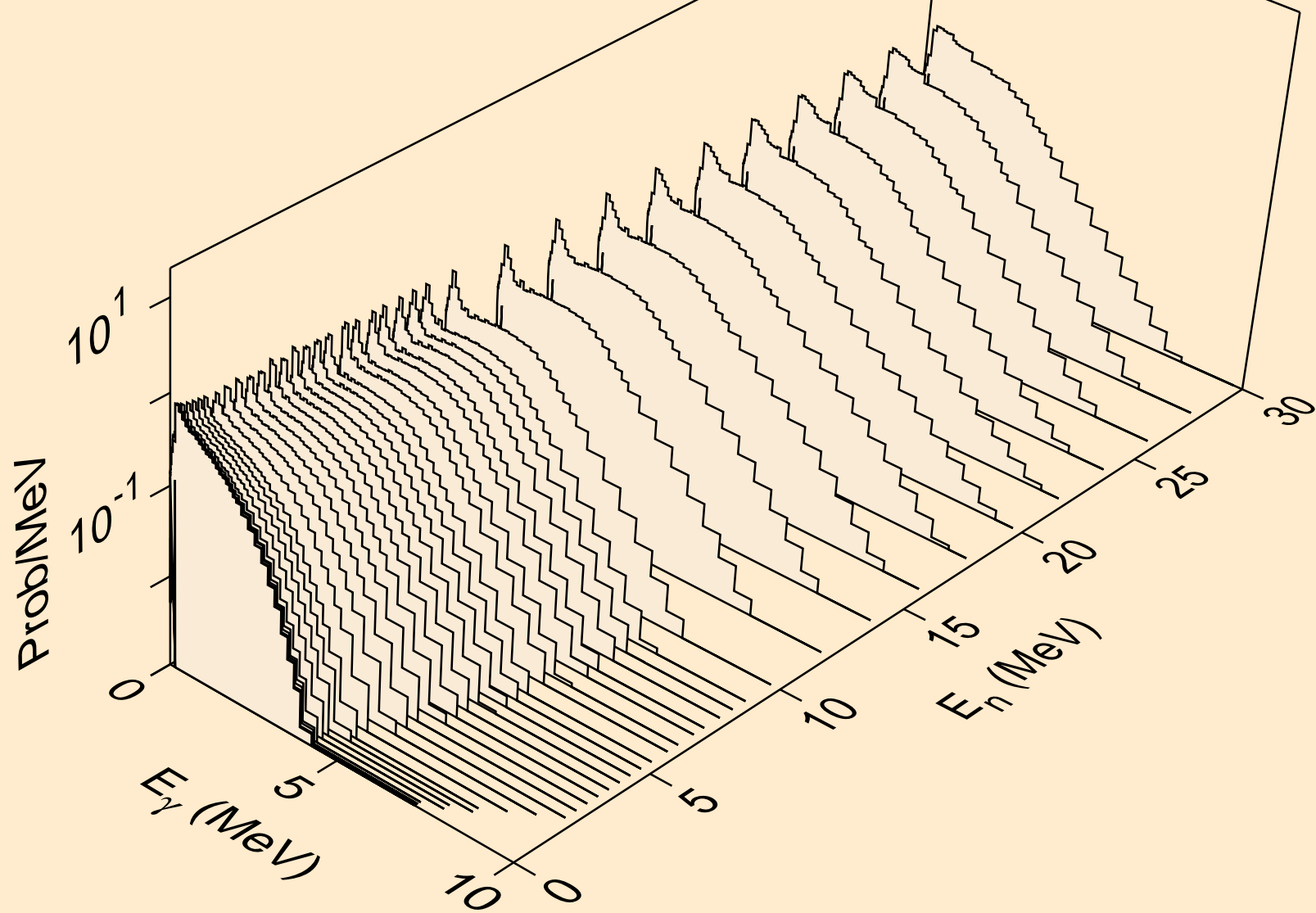




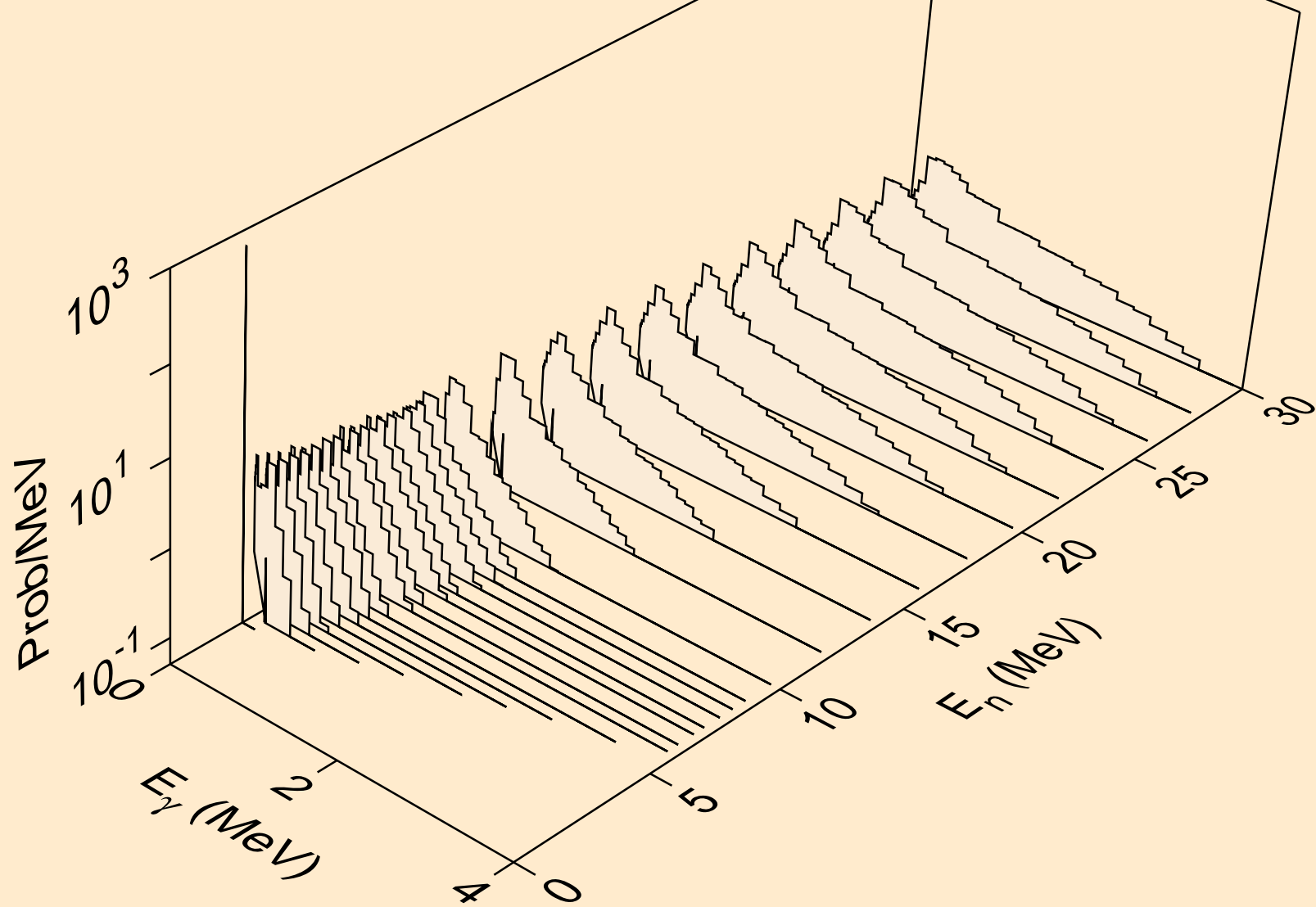
HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,gma)



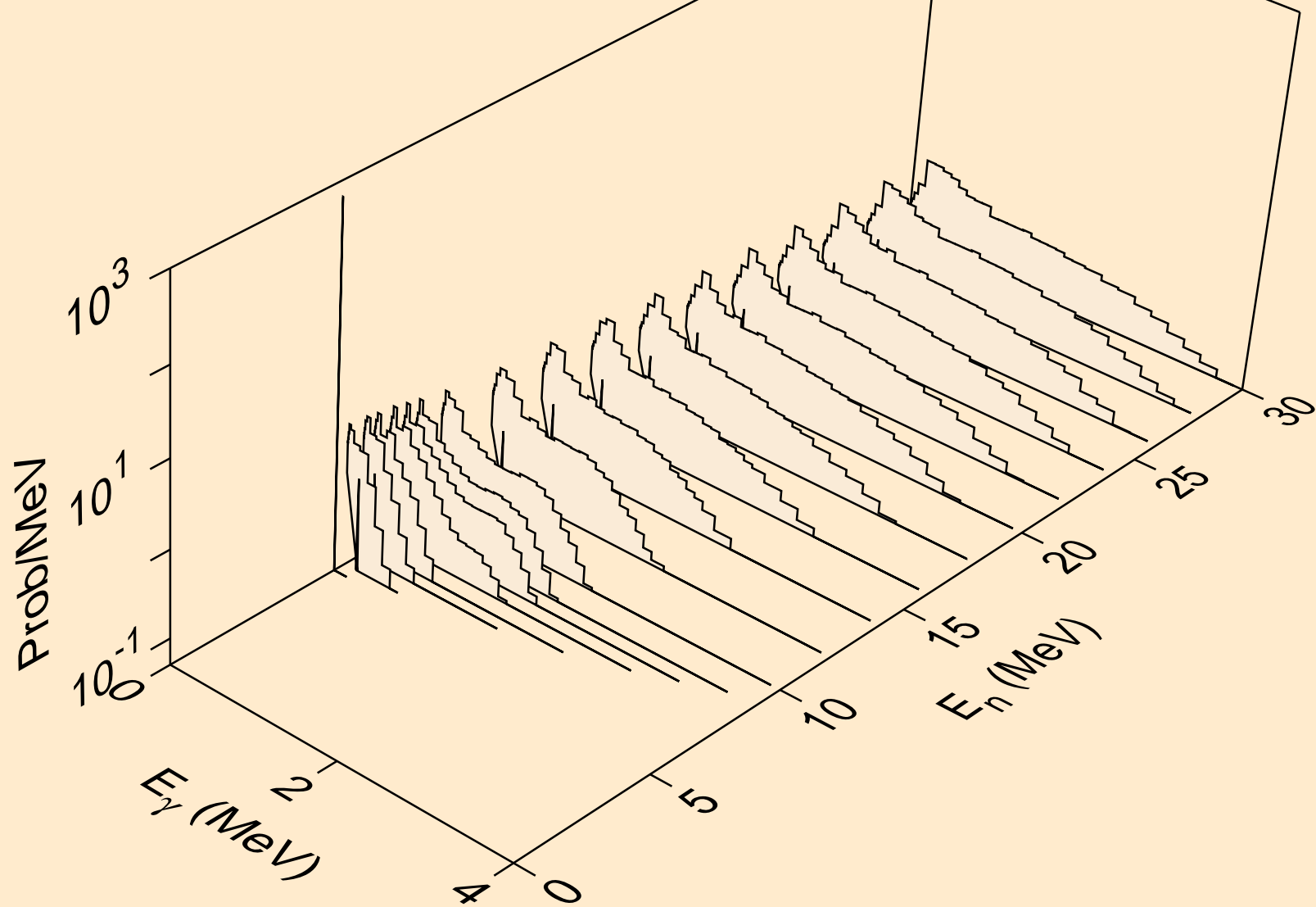
HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,p)



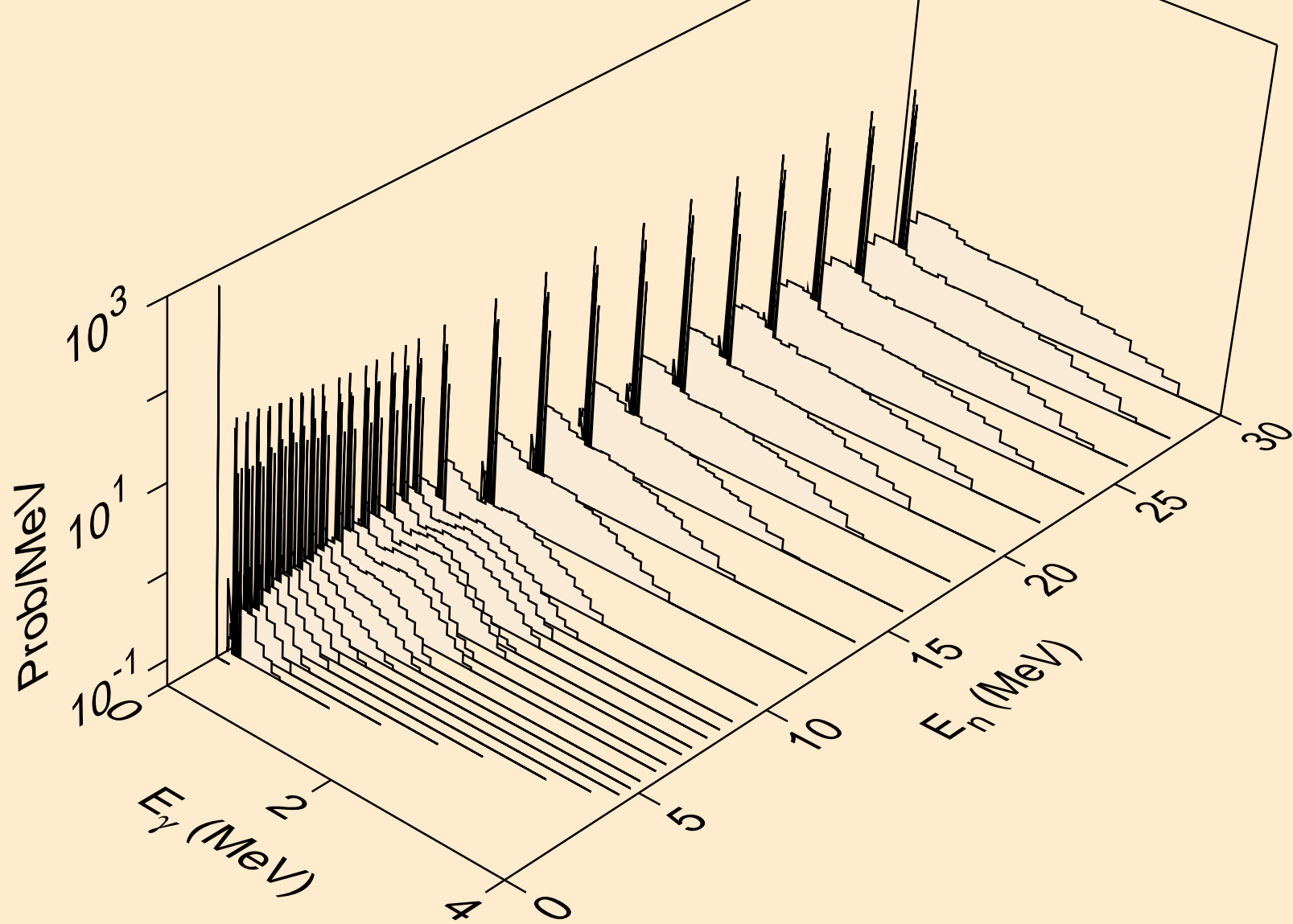
HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,d)



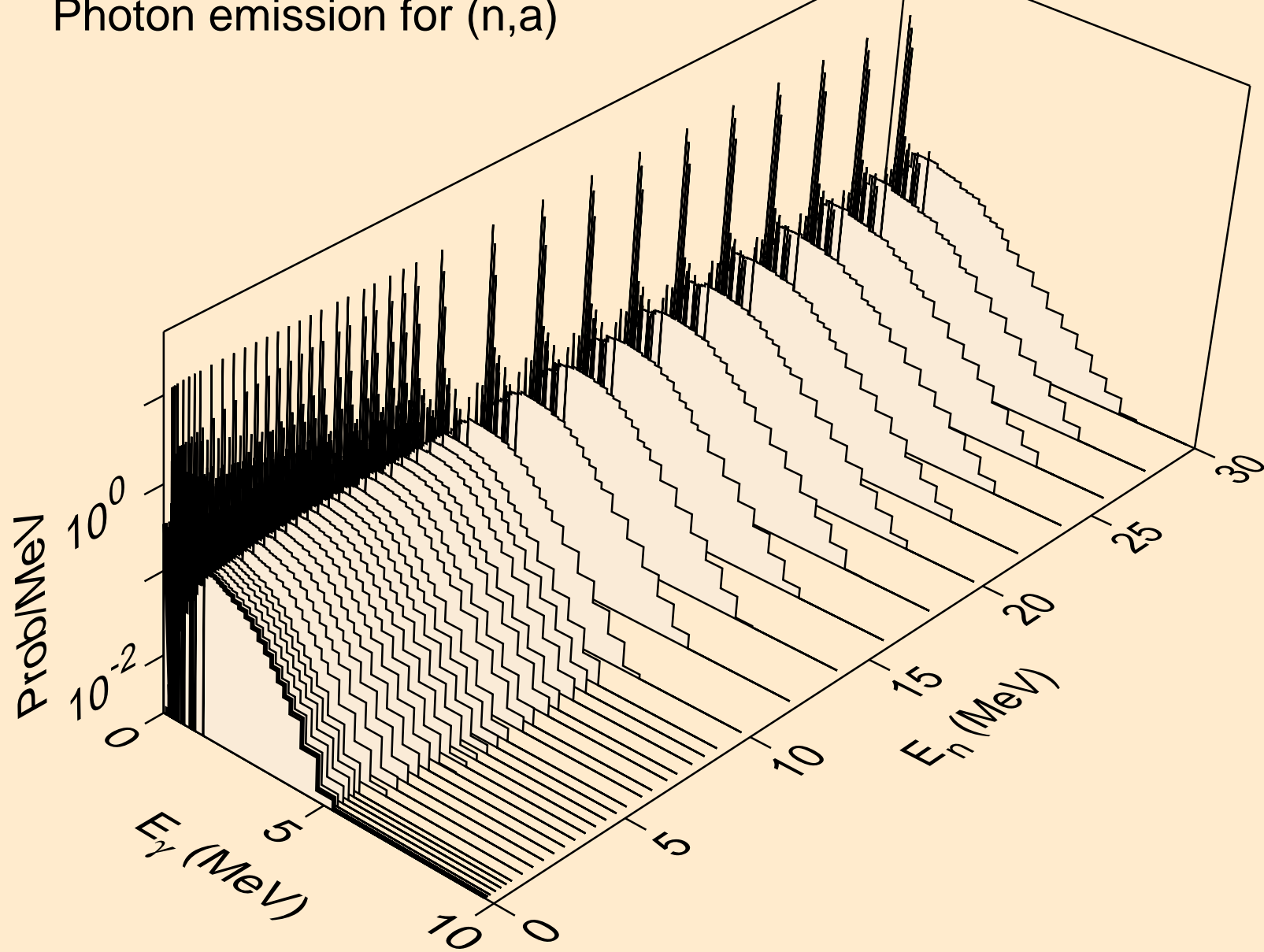
HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,t)



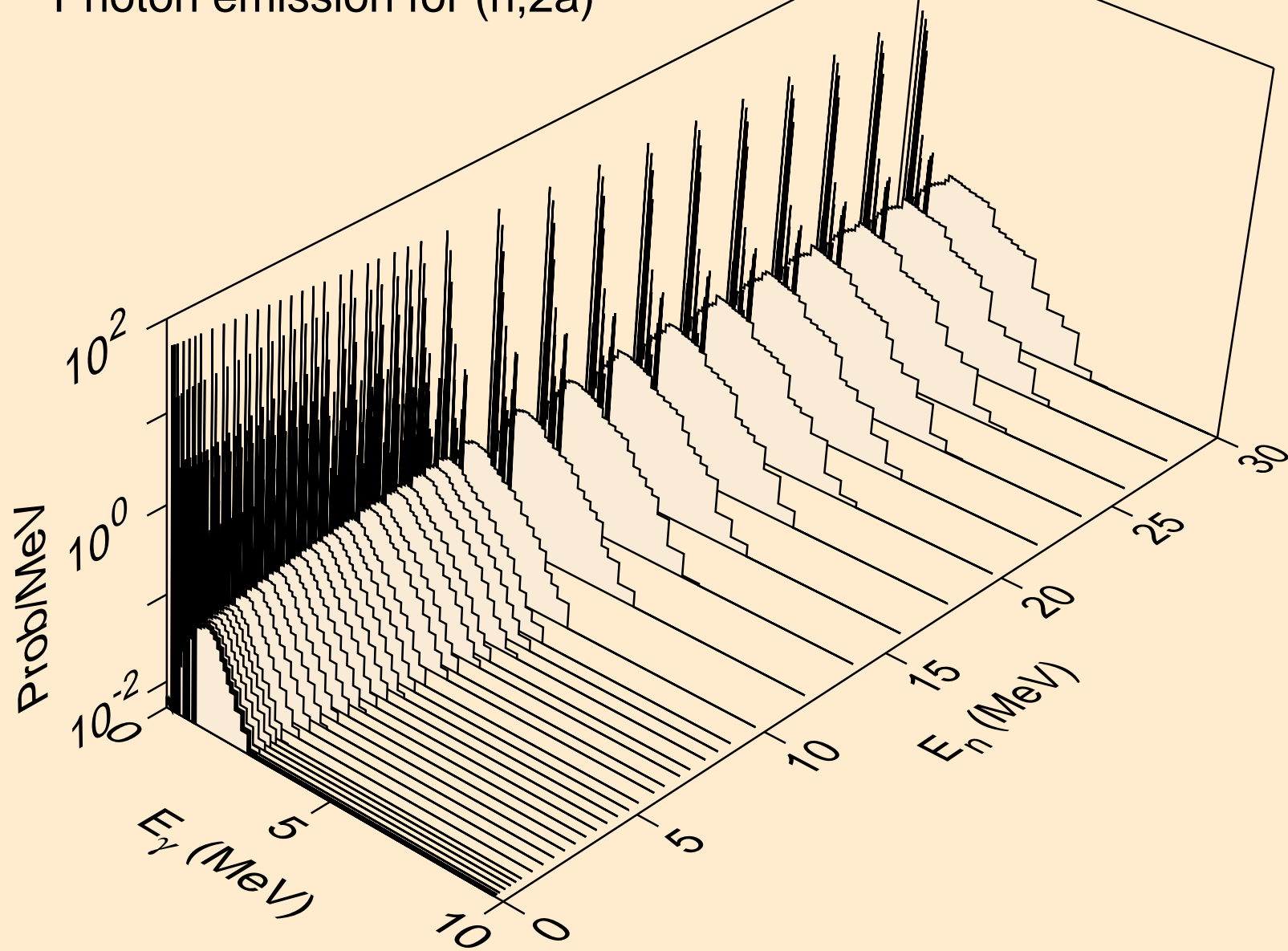
HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,he3)



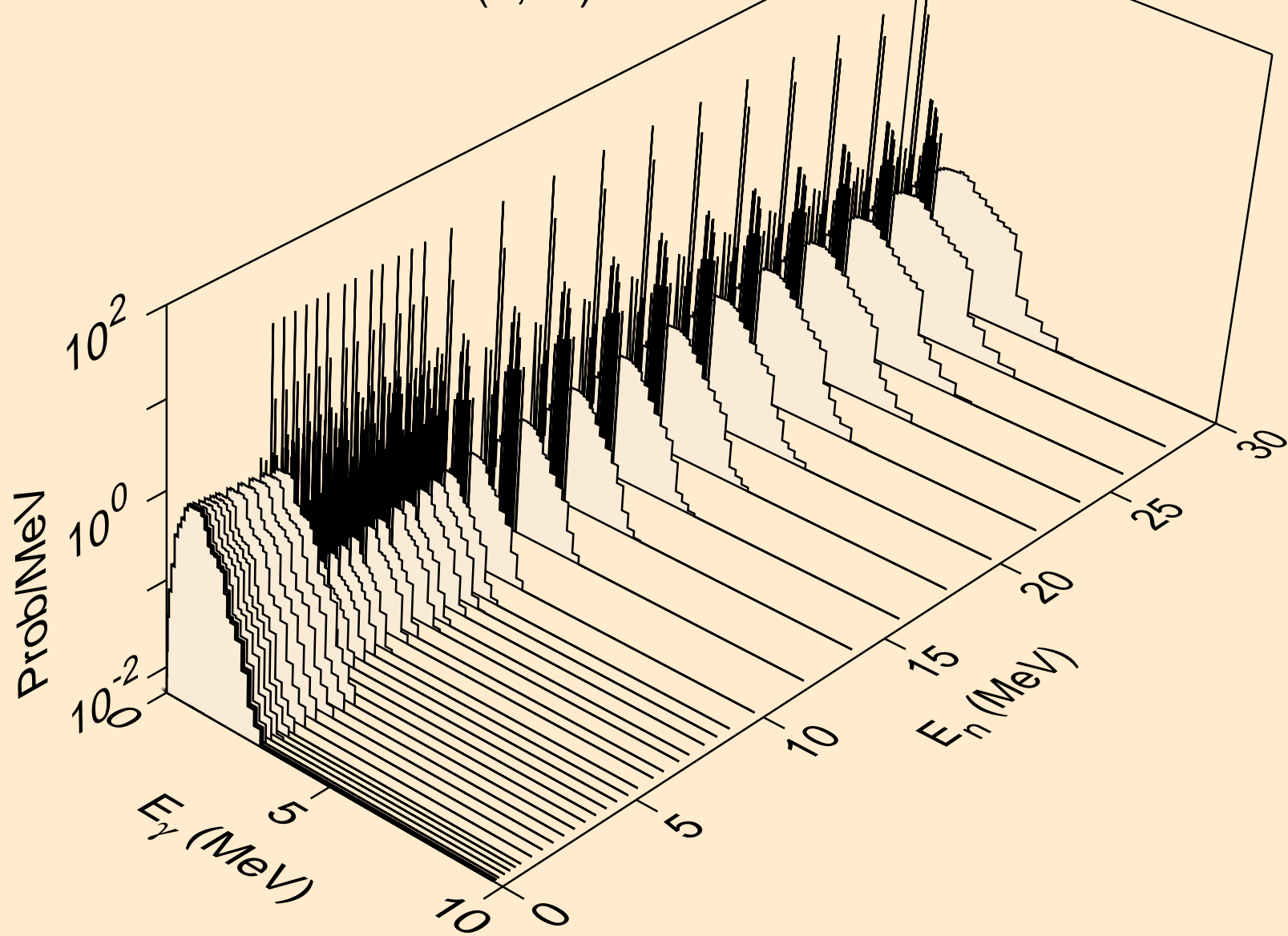
HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,a)



HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2a)

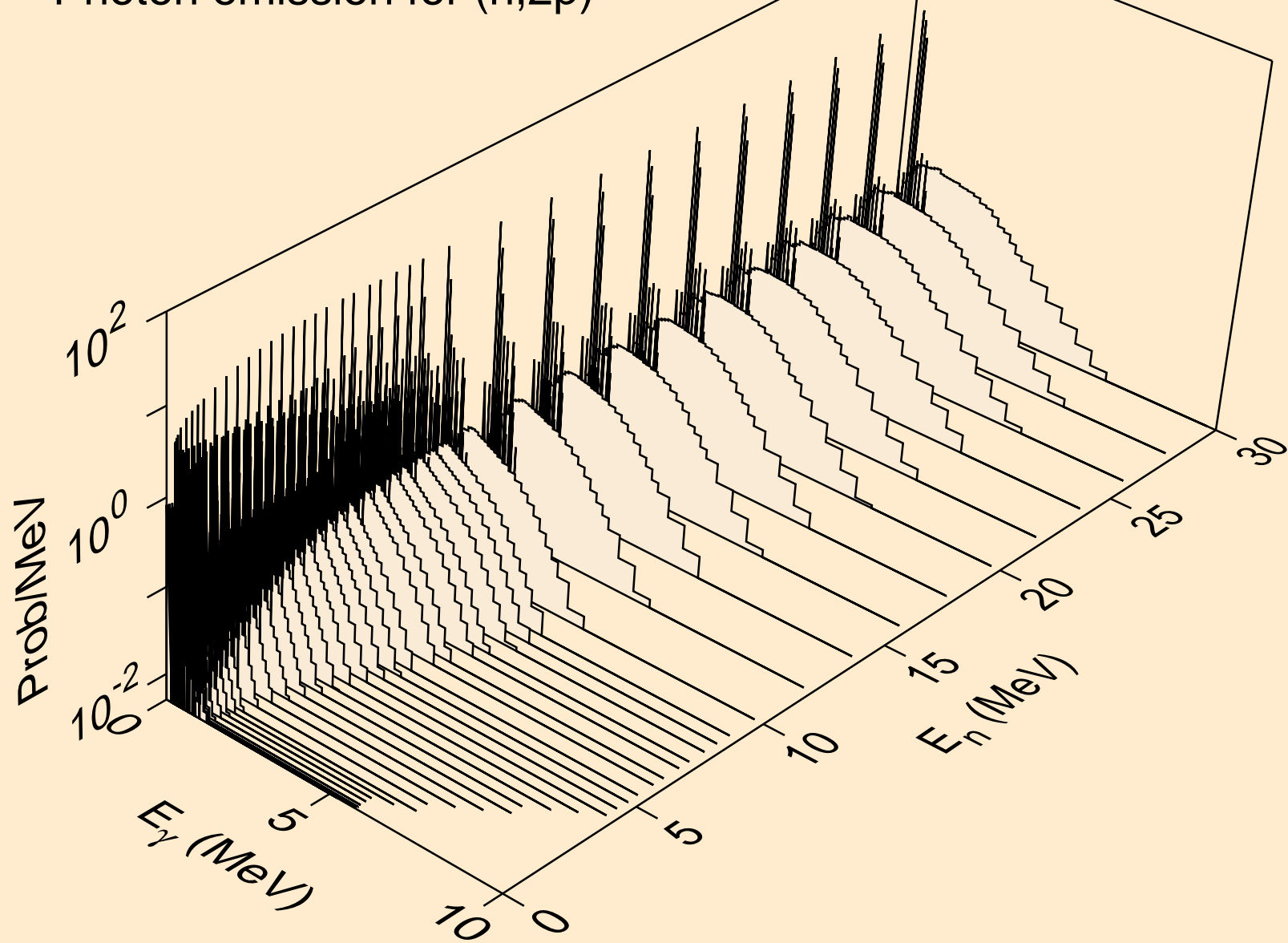


HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3a)

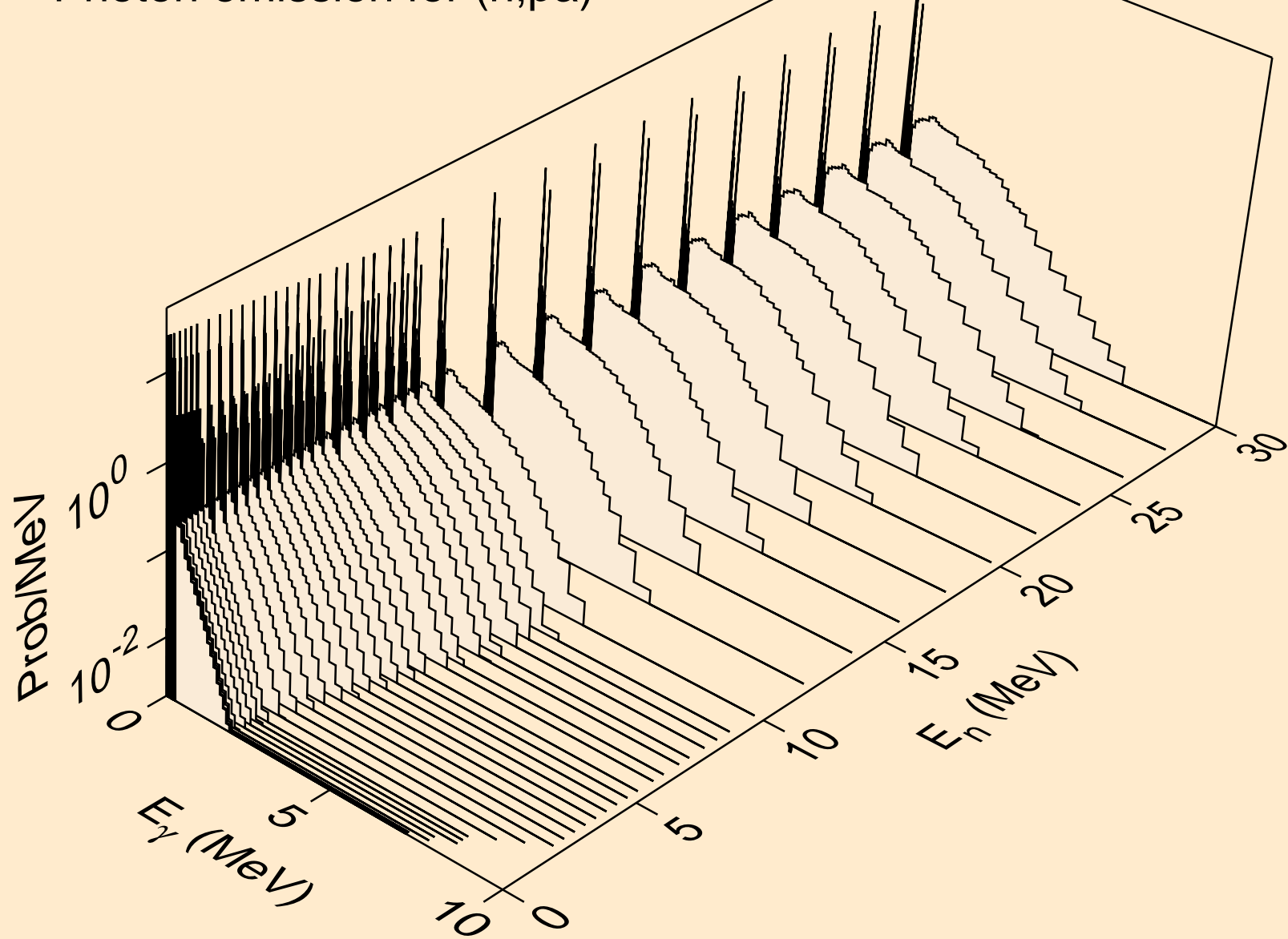




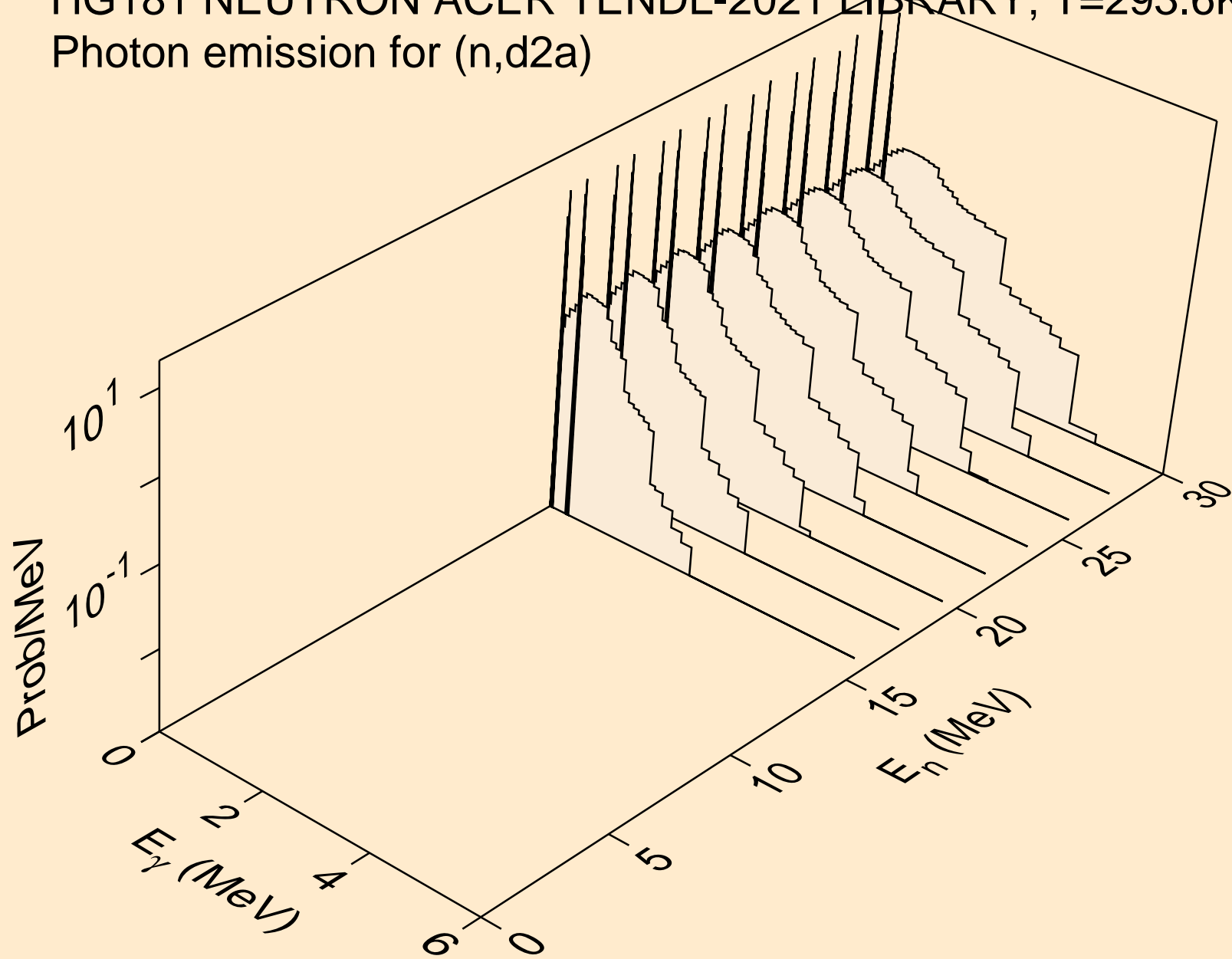
HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2p)



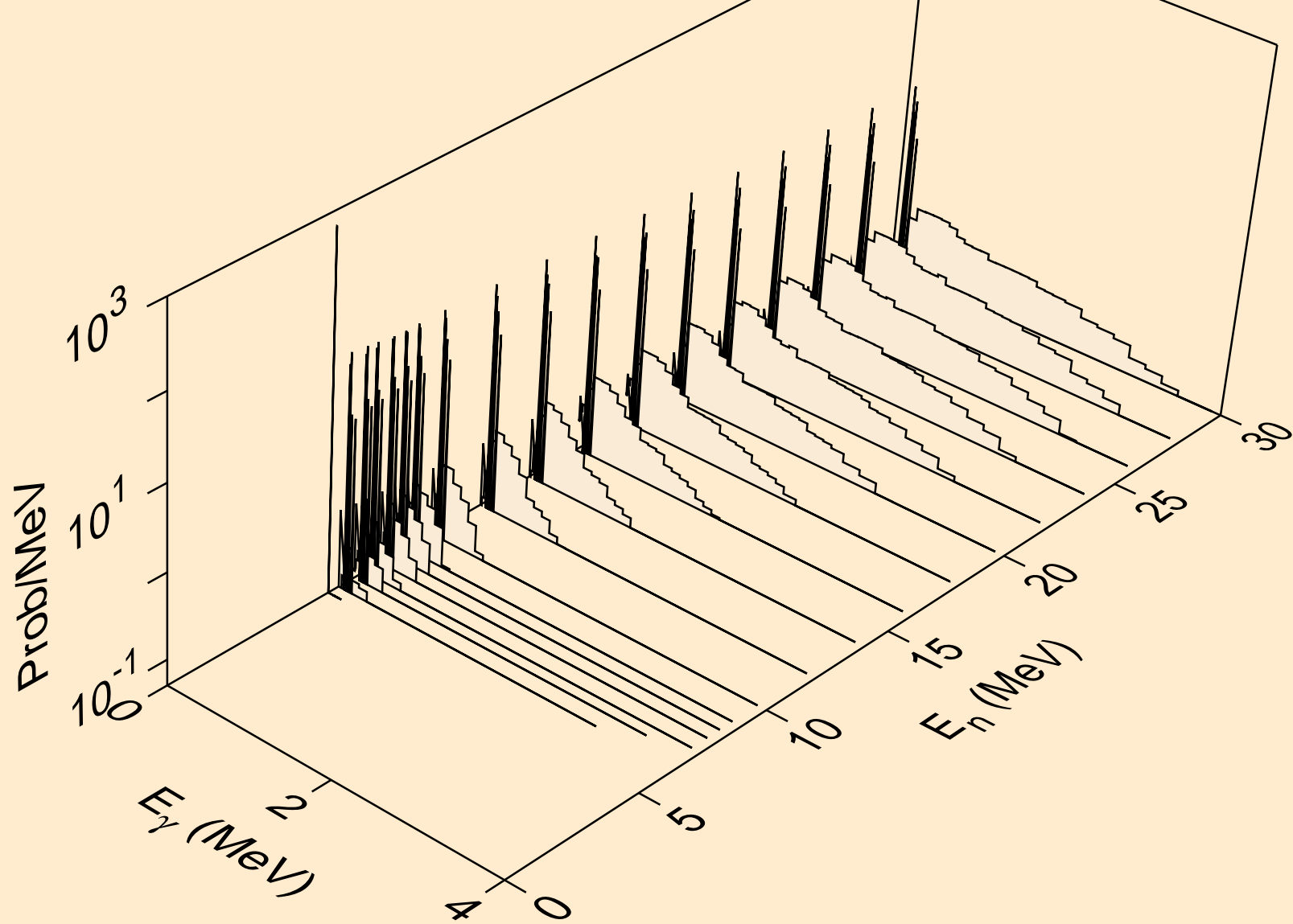
HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,p $\alpha$ )



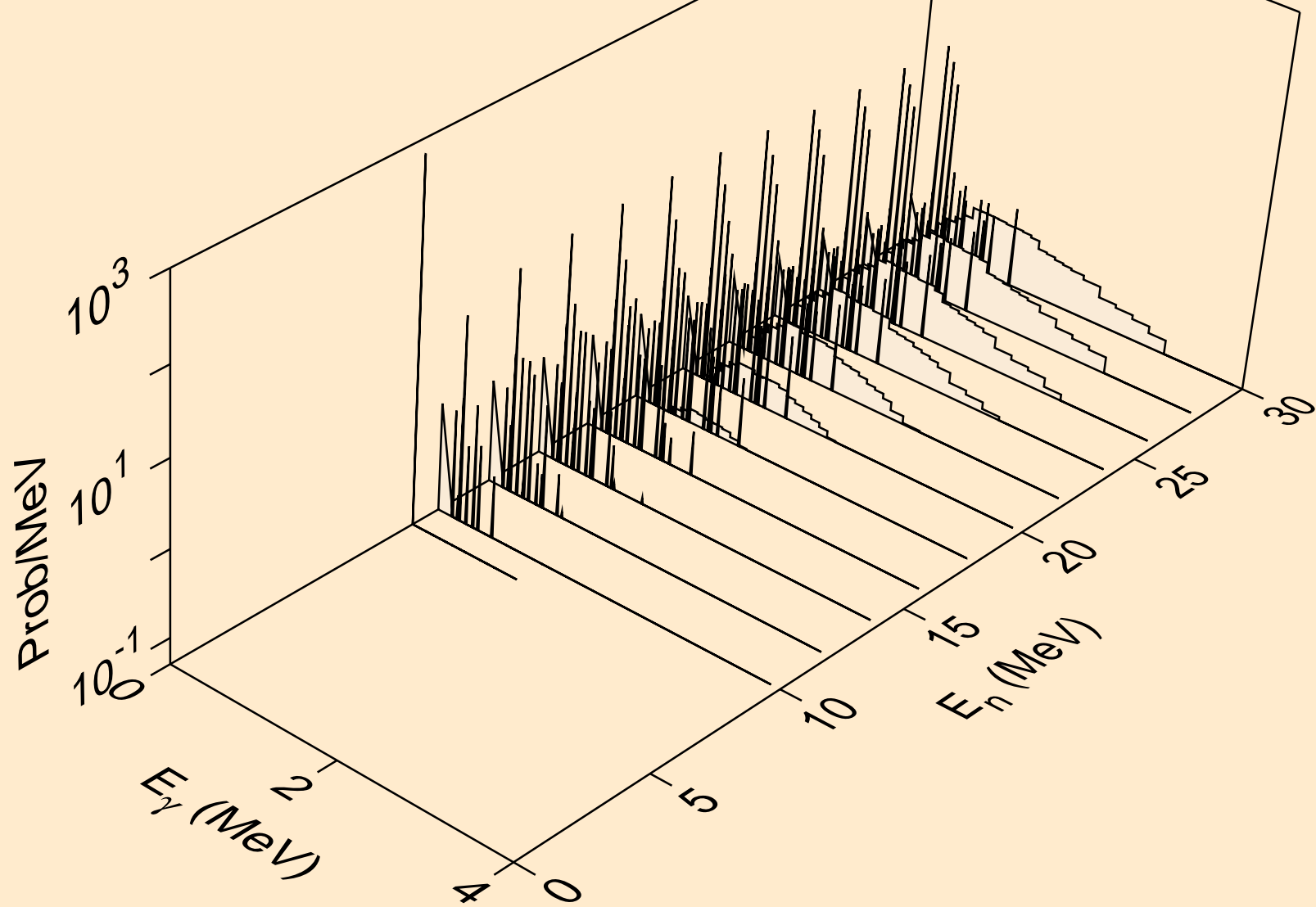
HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,d2a)



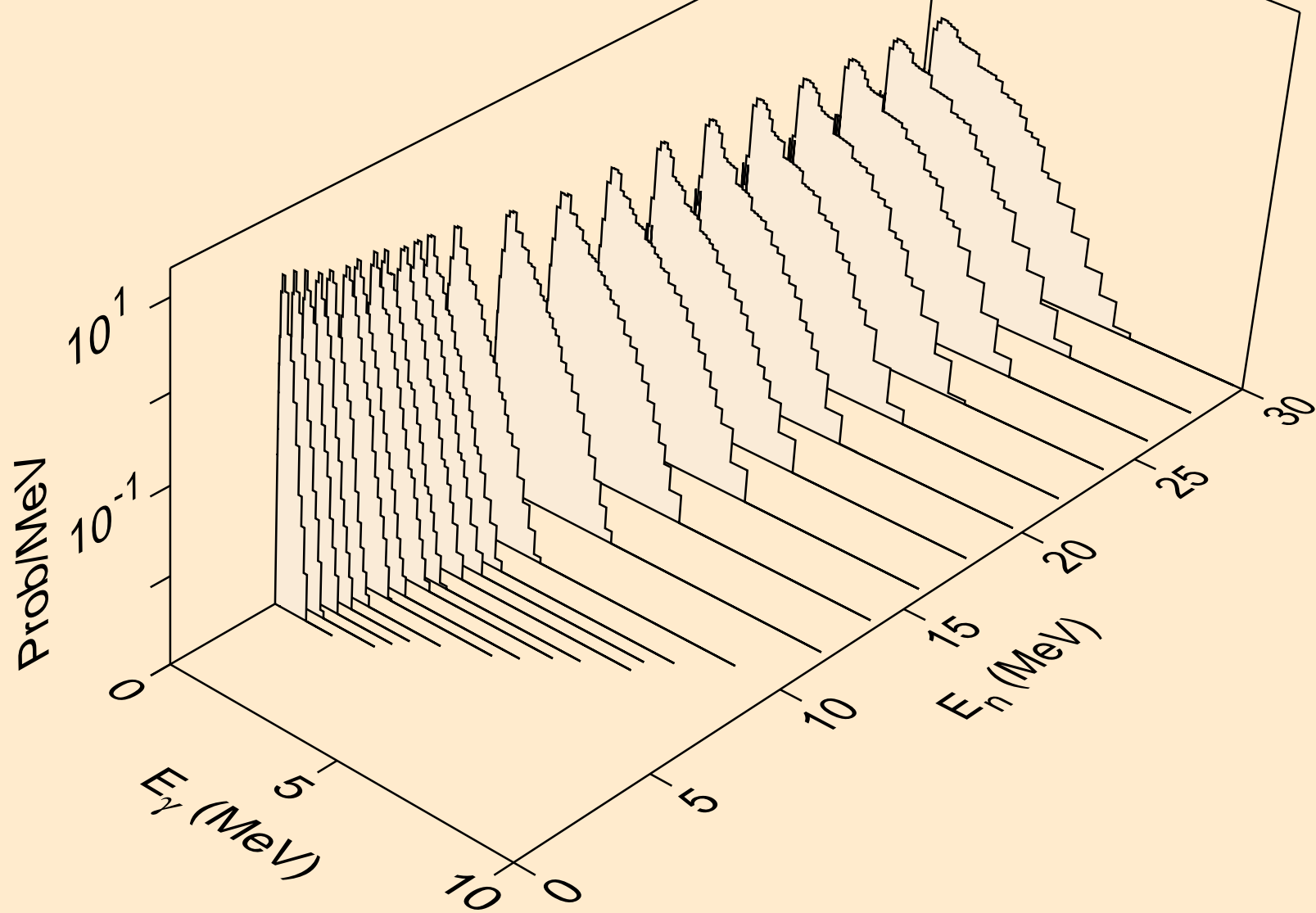
HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,pd)



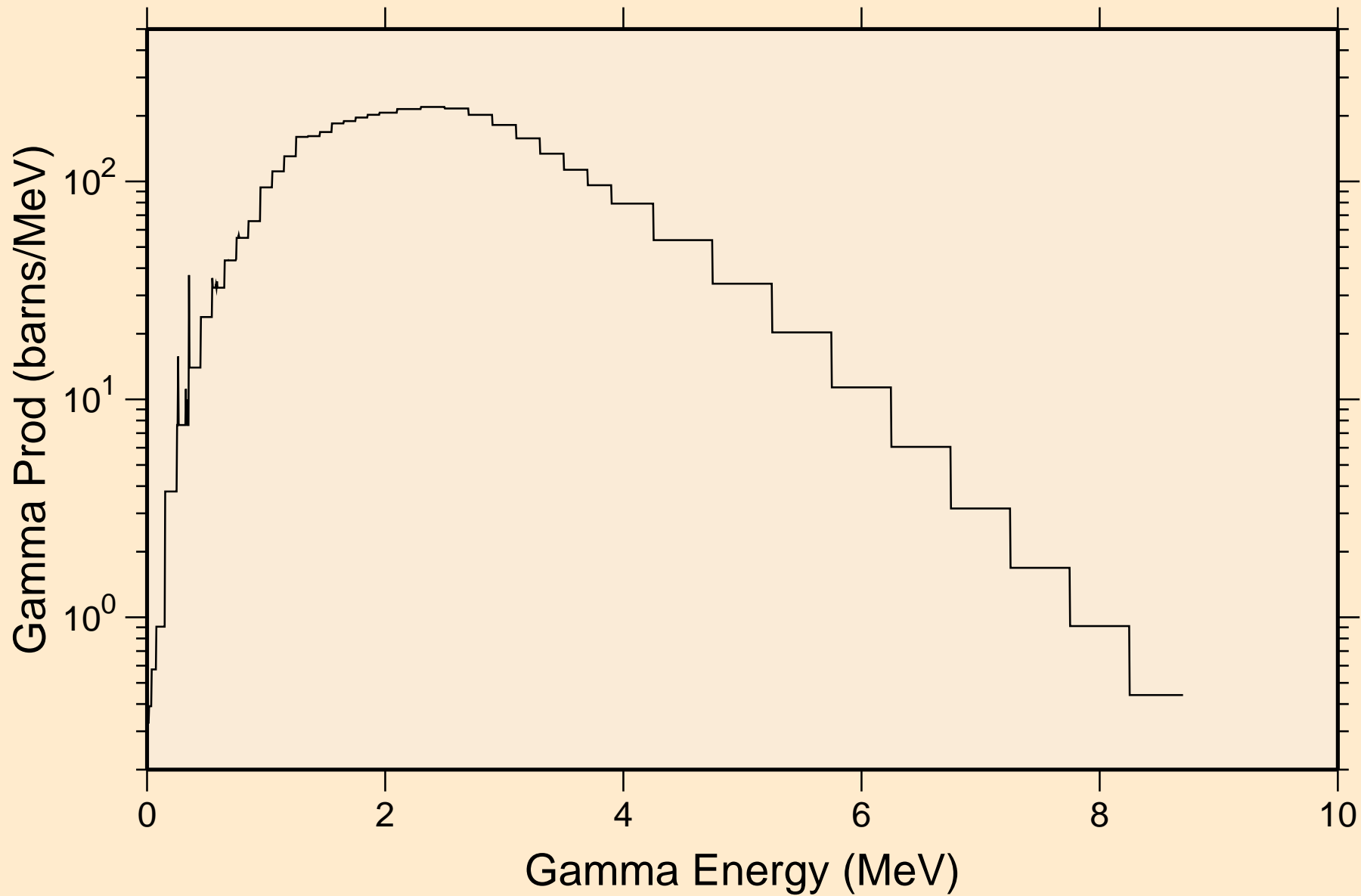
HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,pt)



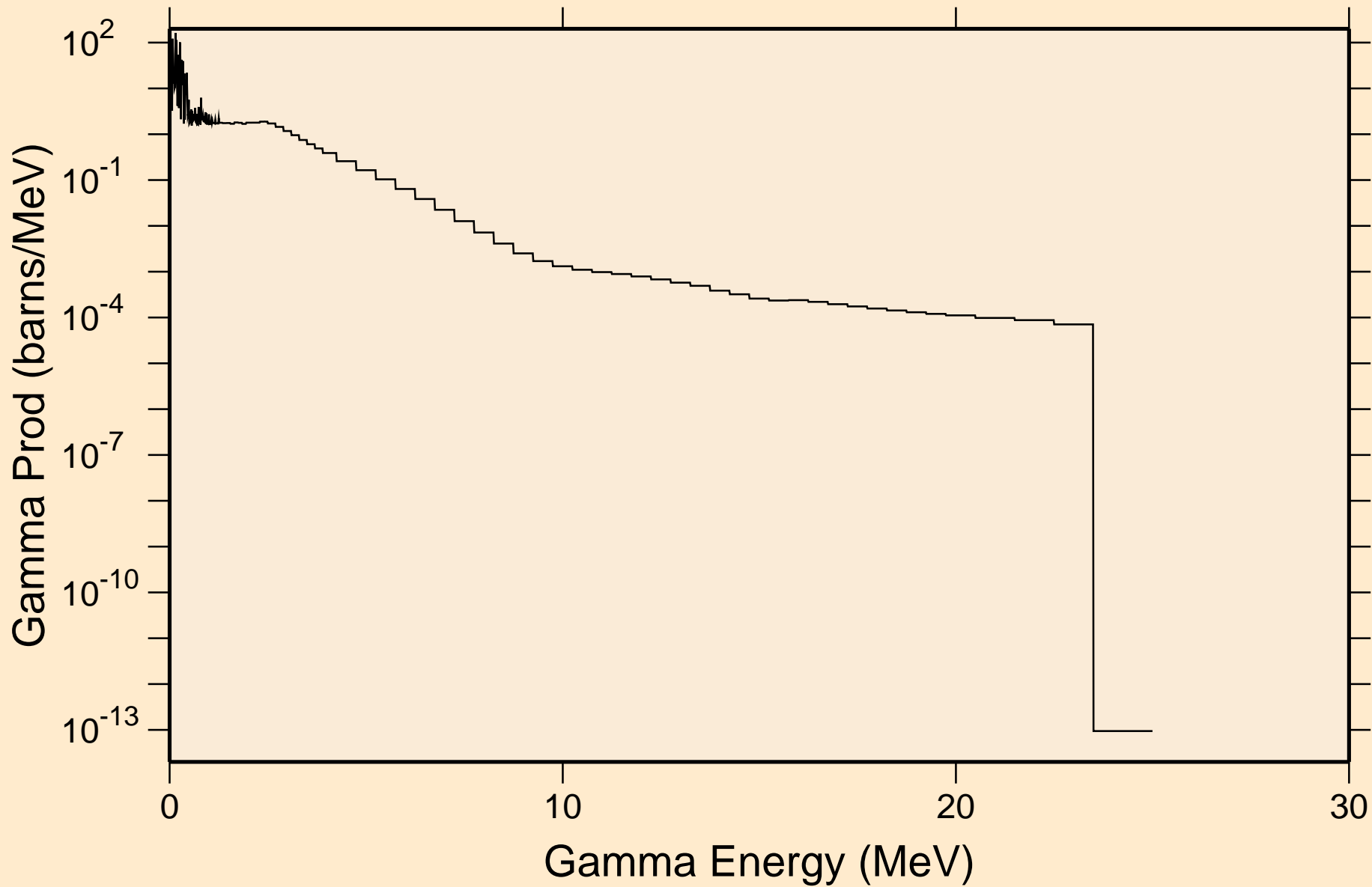
HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,da)



HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
thermal capture photon spectrum



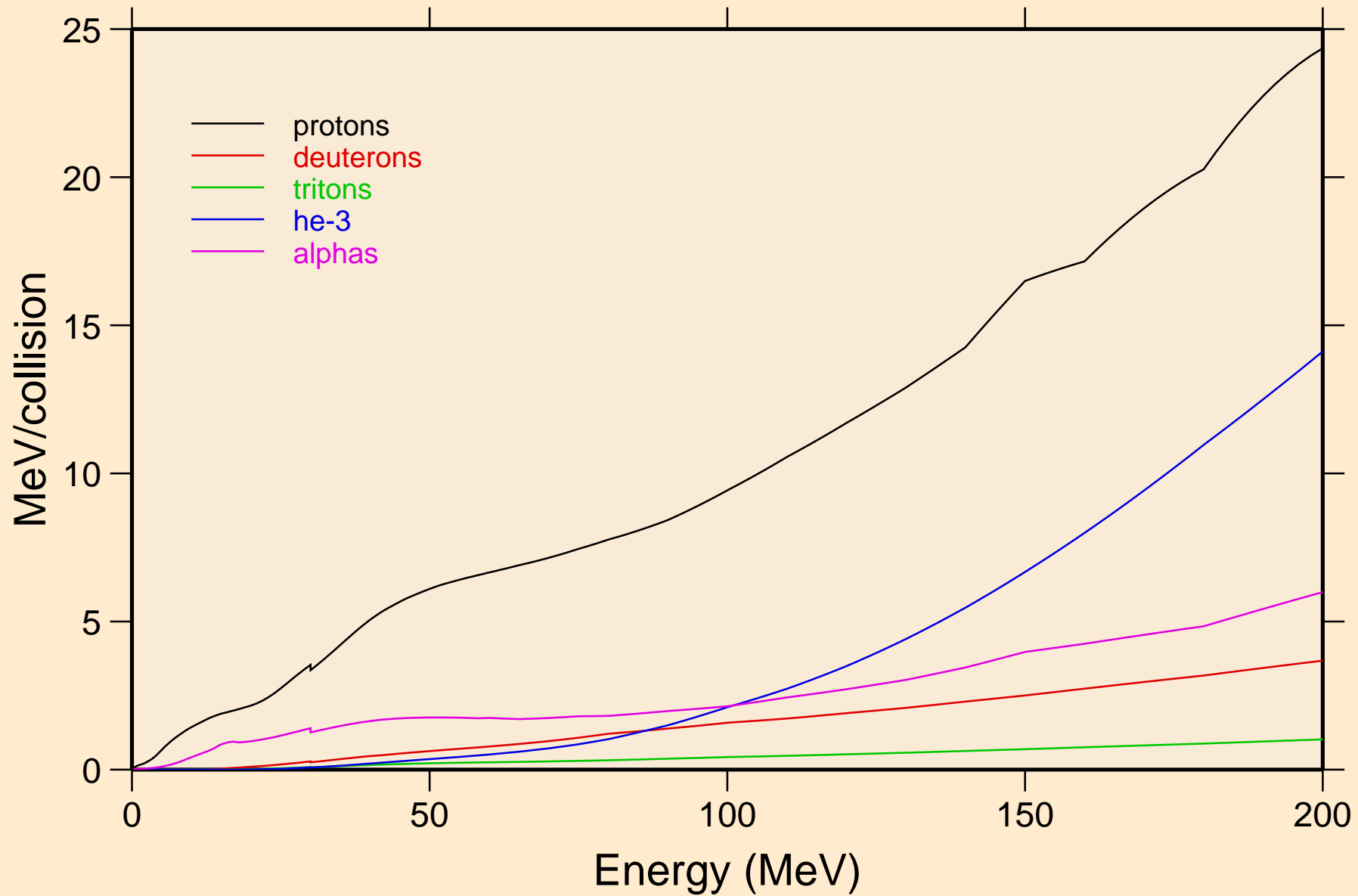
HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
14 MeV photon spectrum





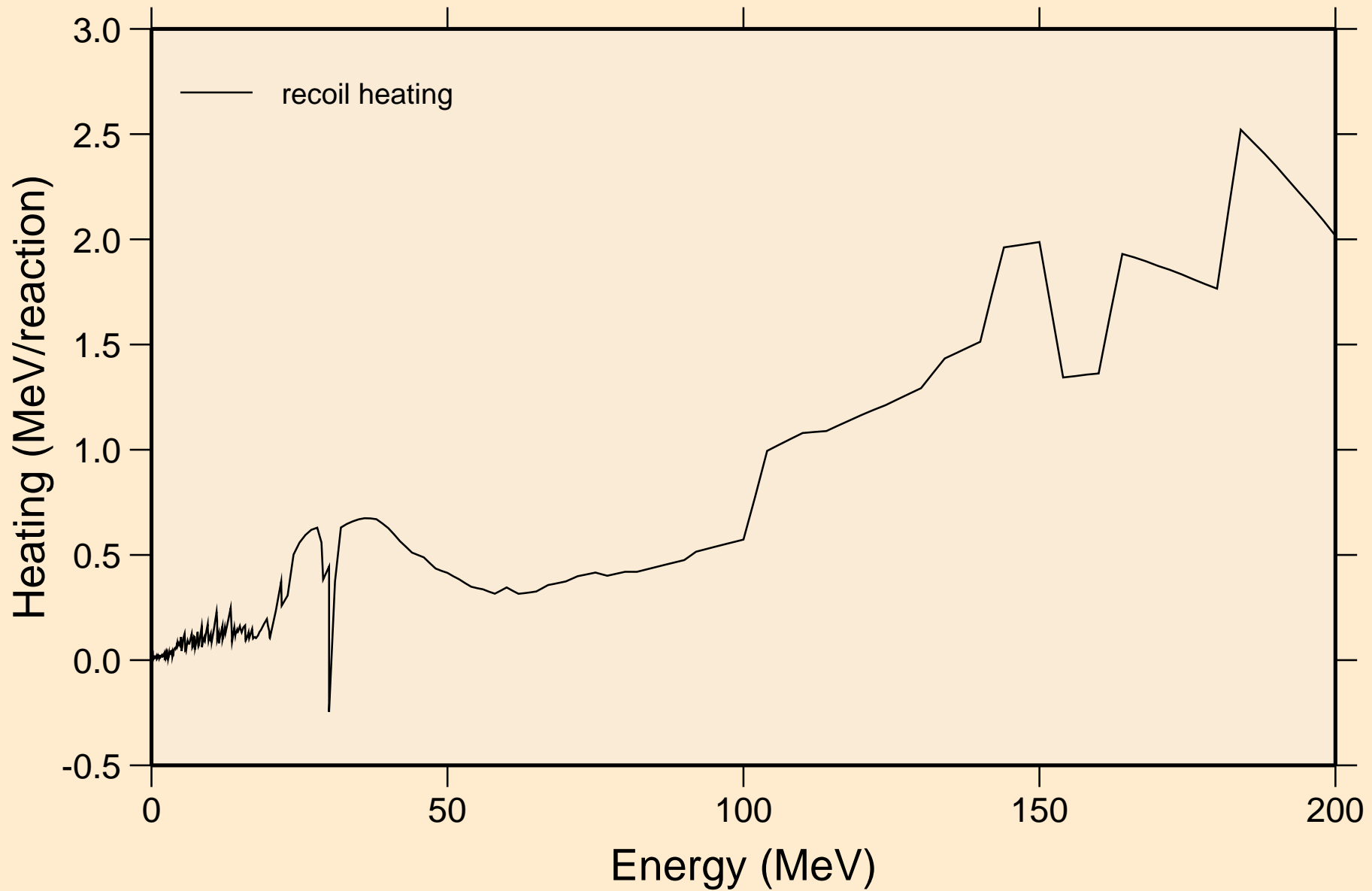
# HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Particle heating contributions

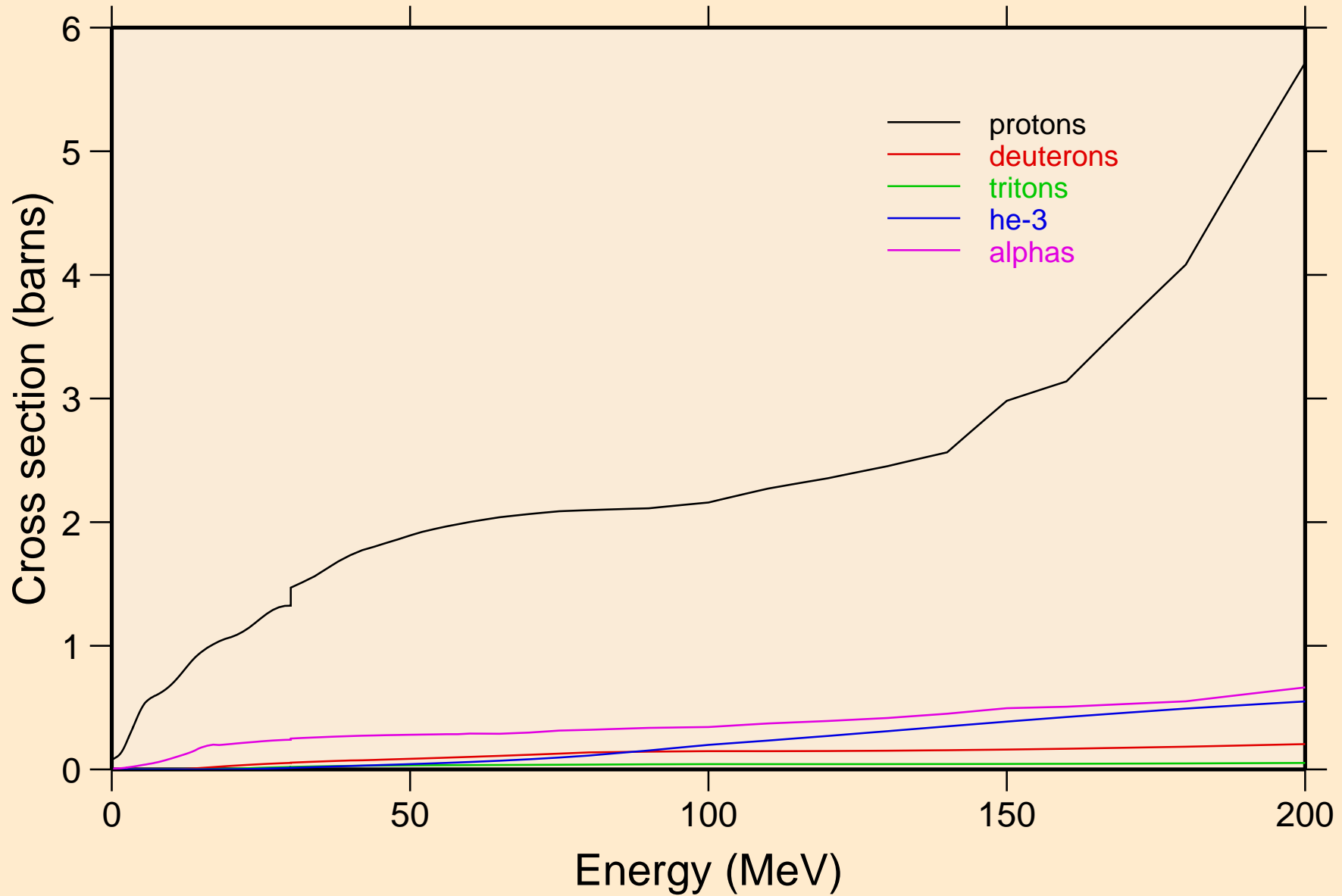


# HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

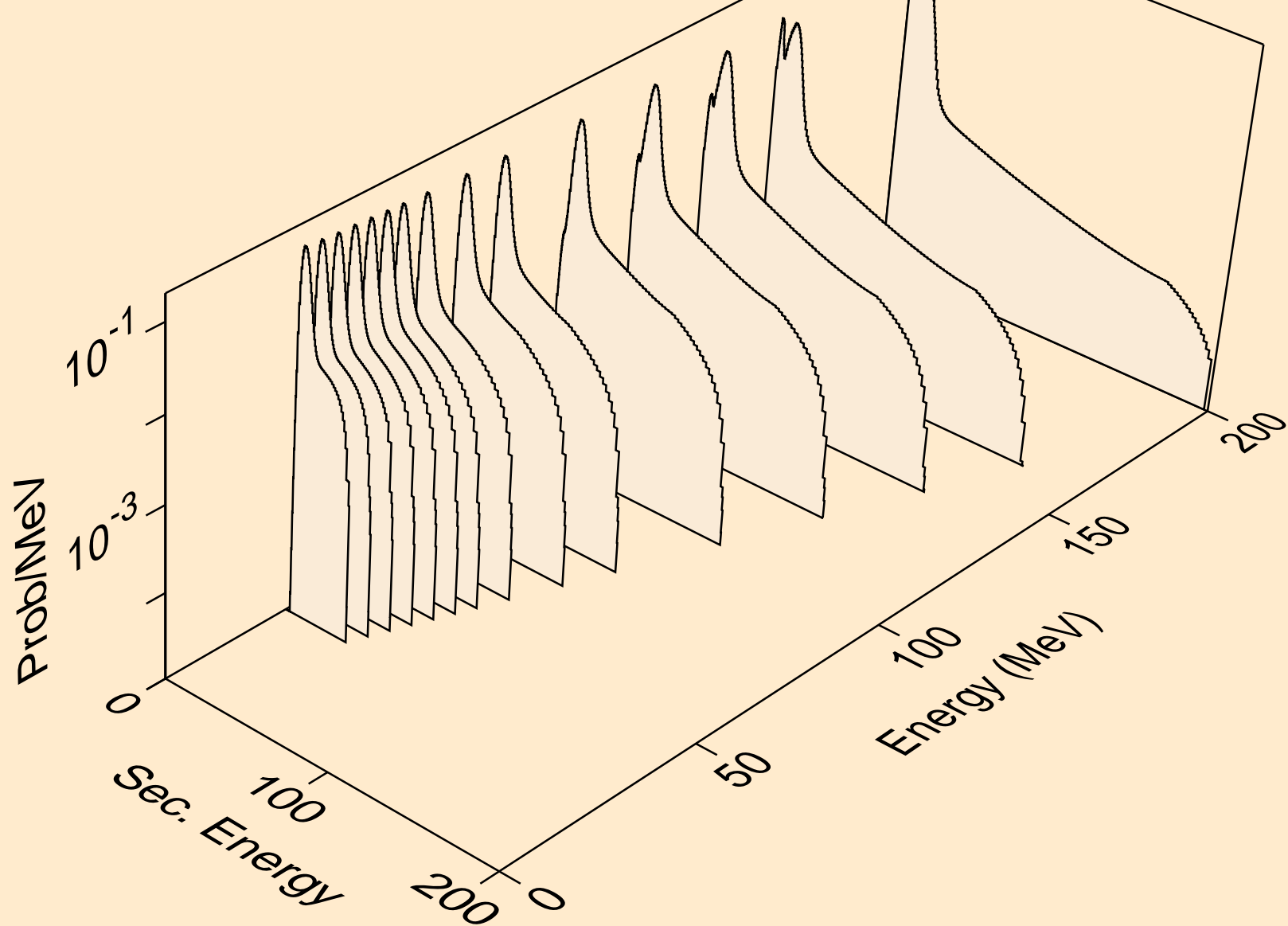
## Recoil Heating



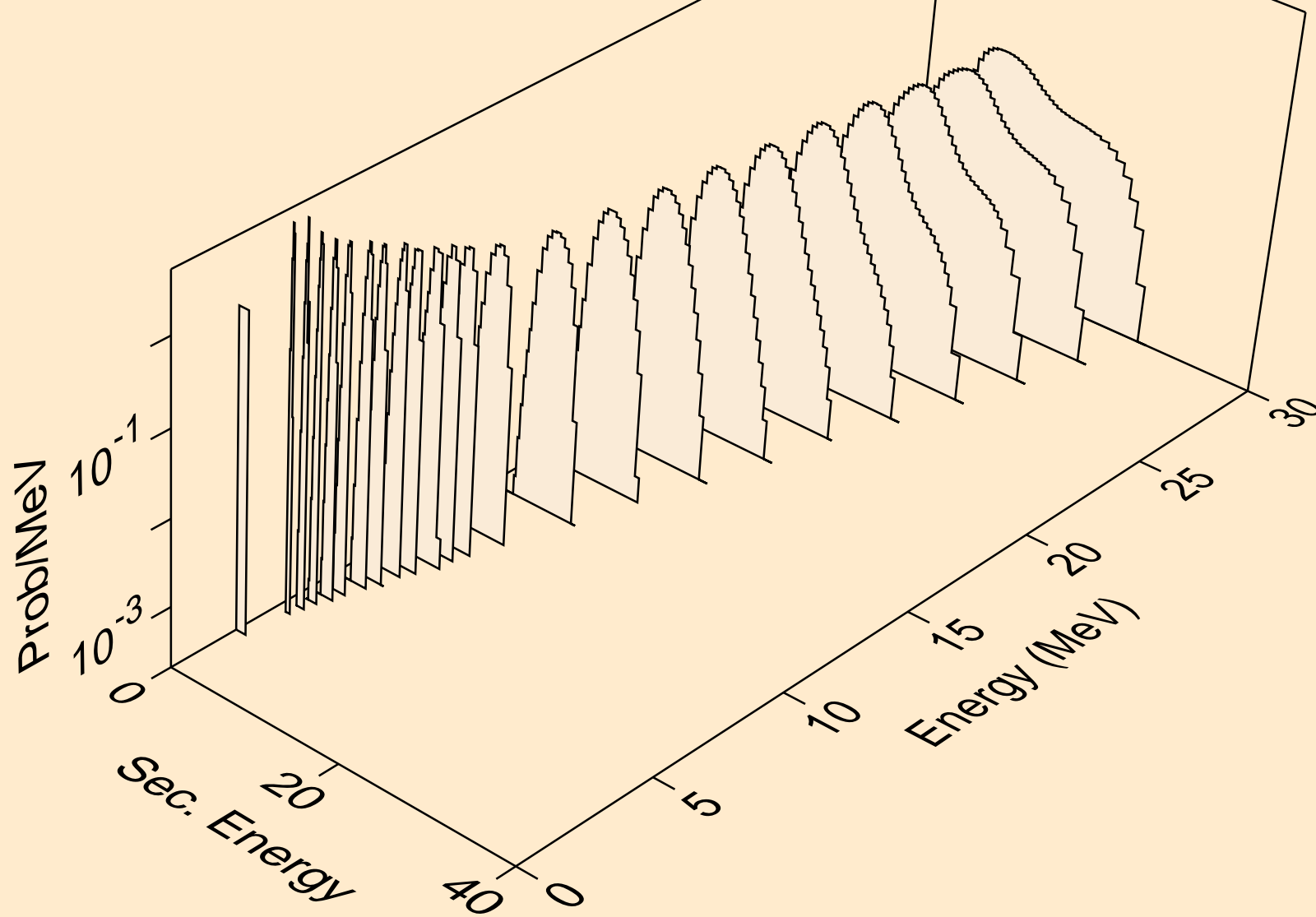
HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Particle production cross sections



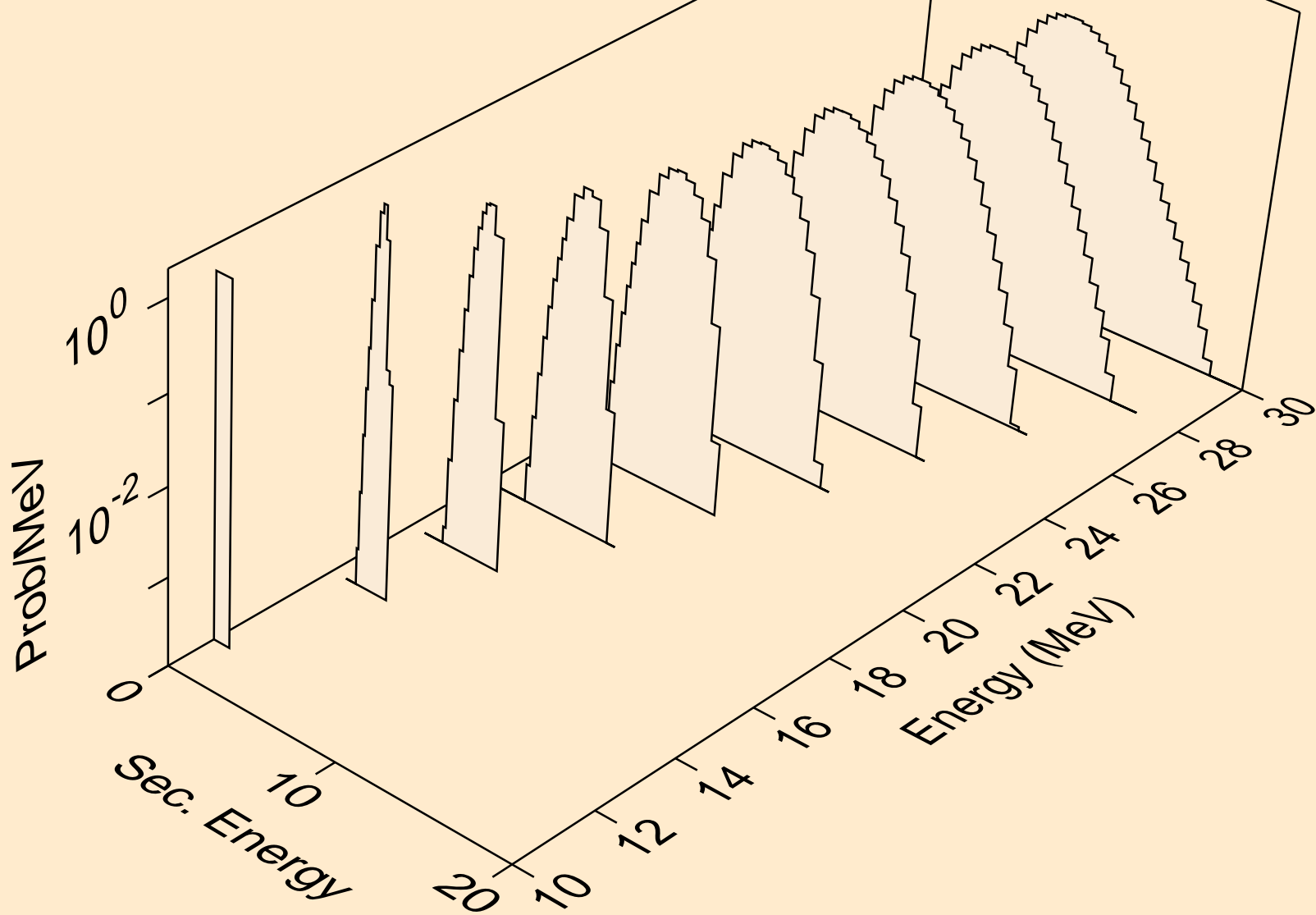
HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,x)



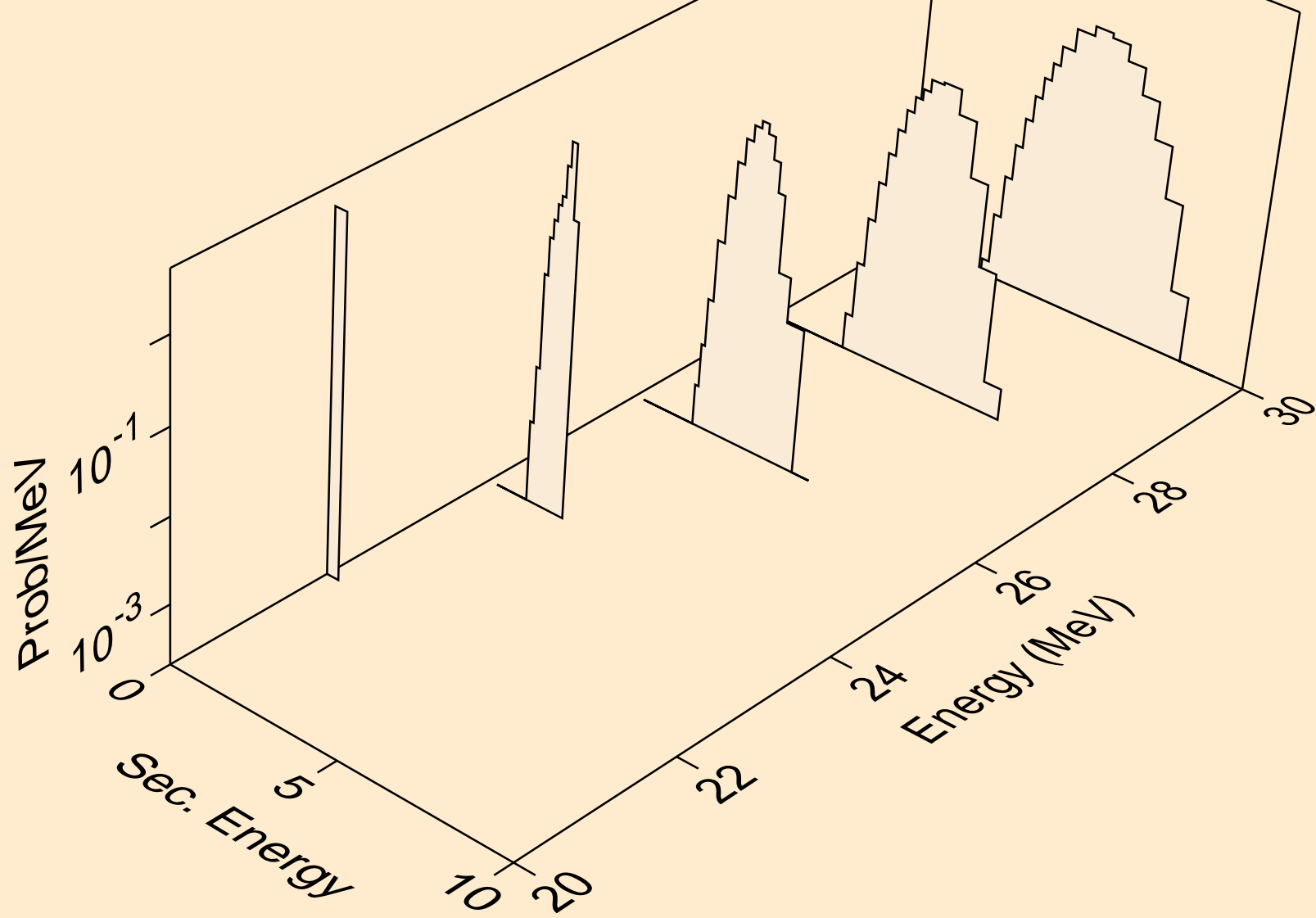
HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,n\*)p



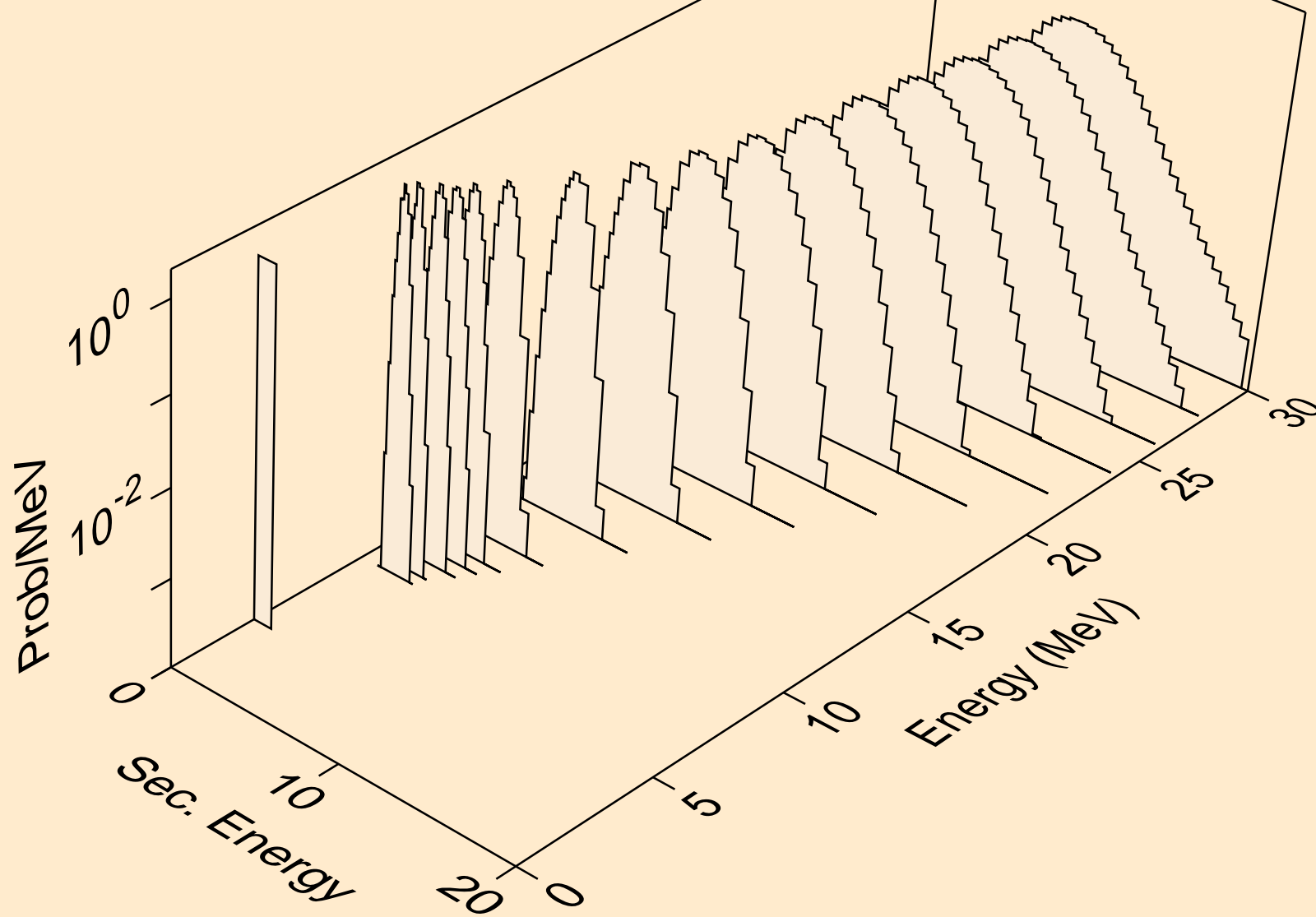
HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,2np)



HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,3np)

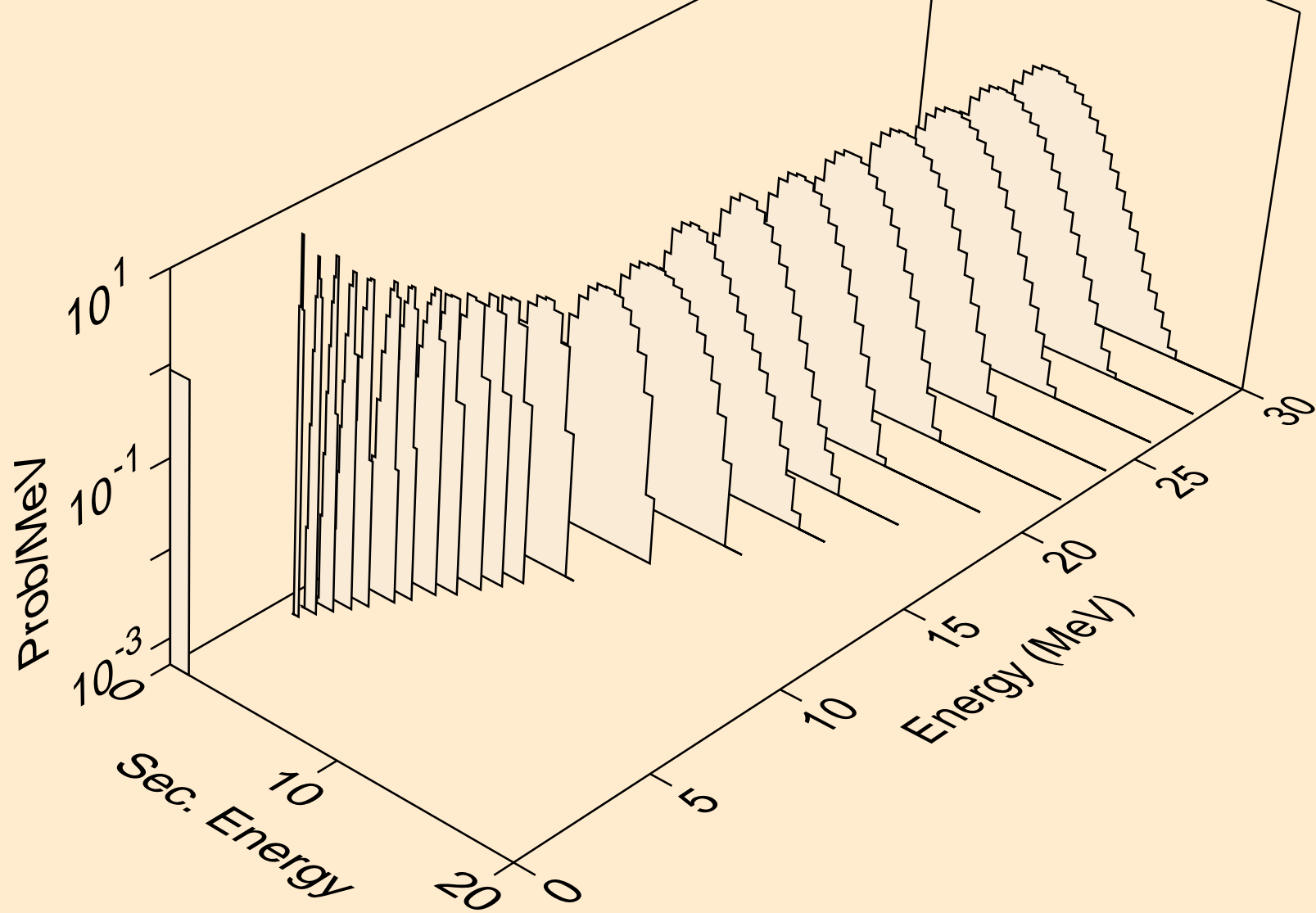


HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,2np)

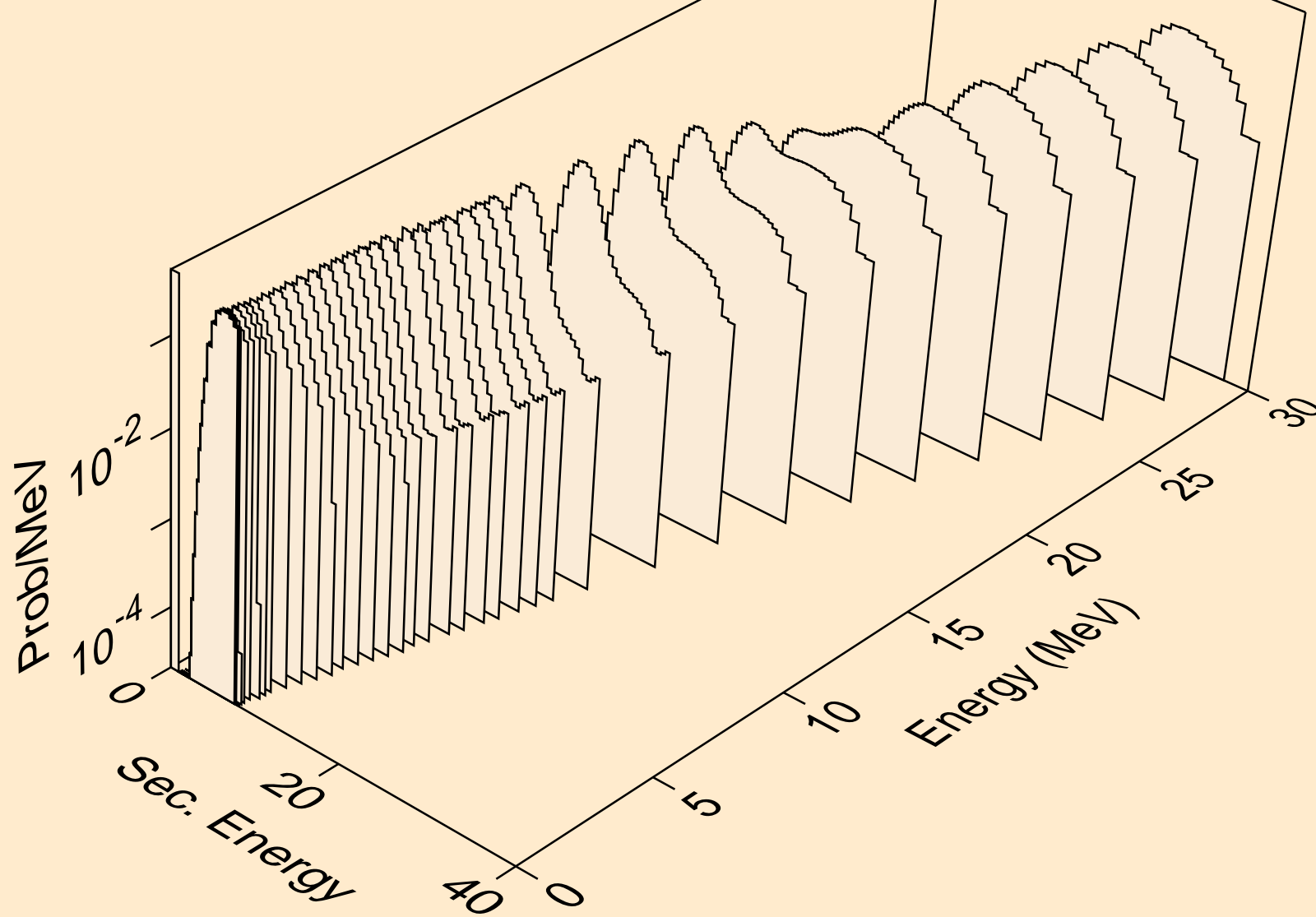




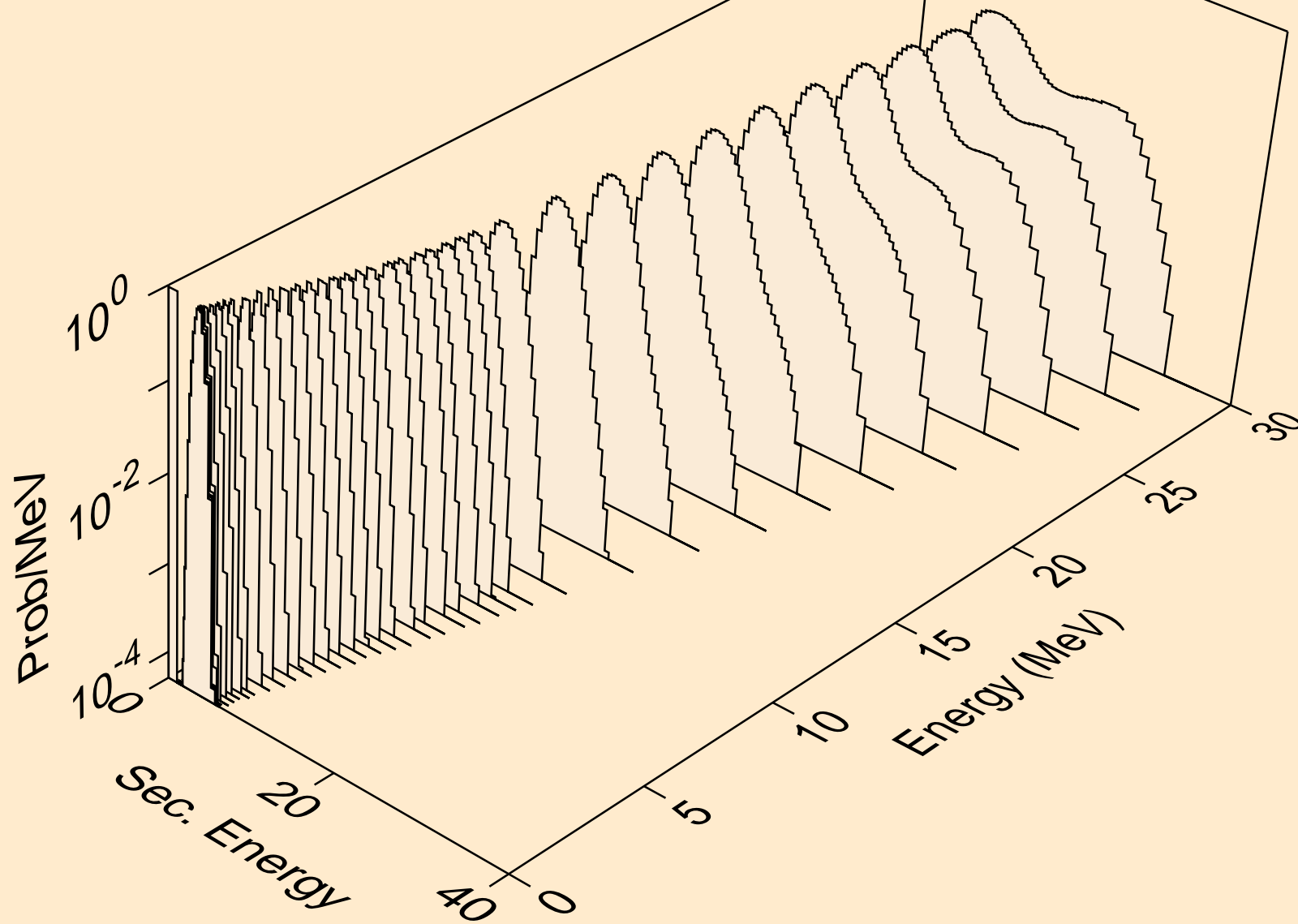
HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,npa)



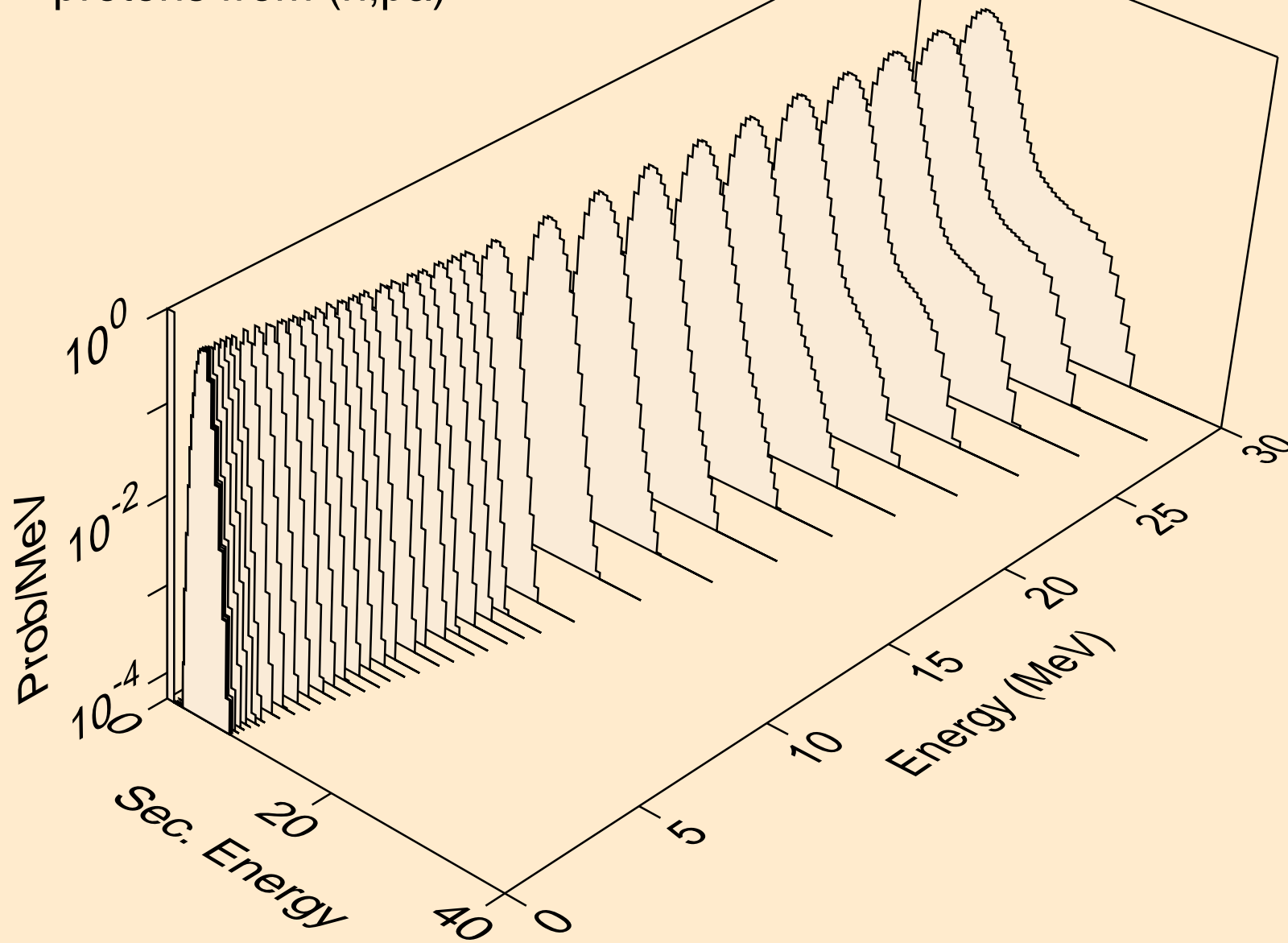
HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,p)



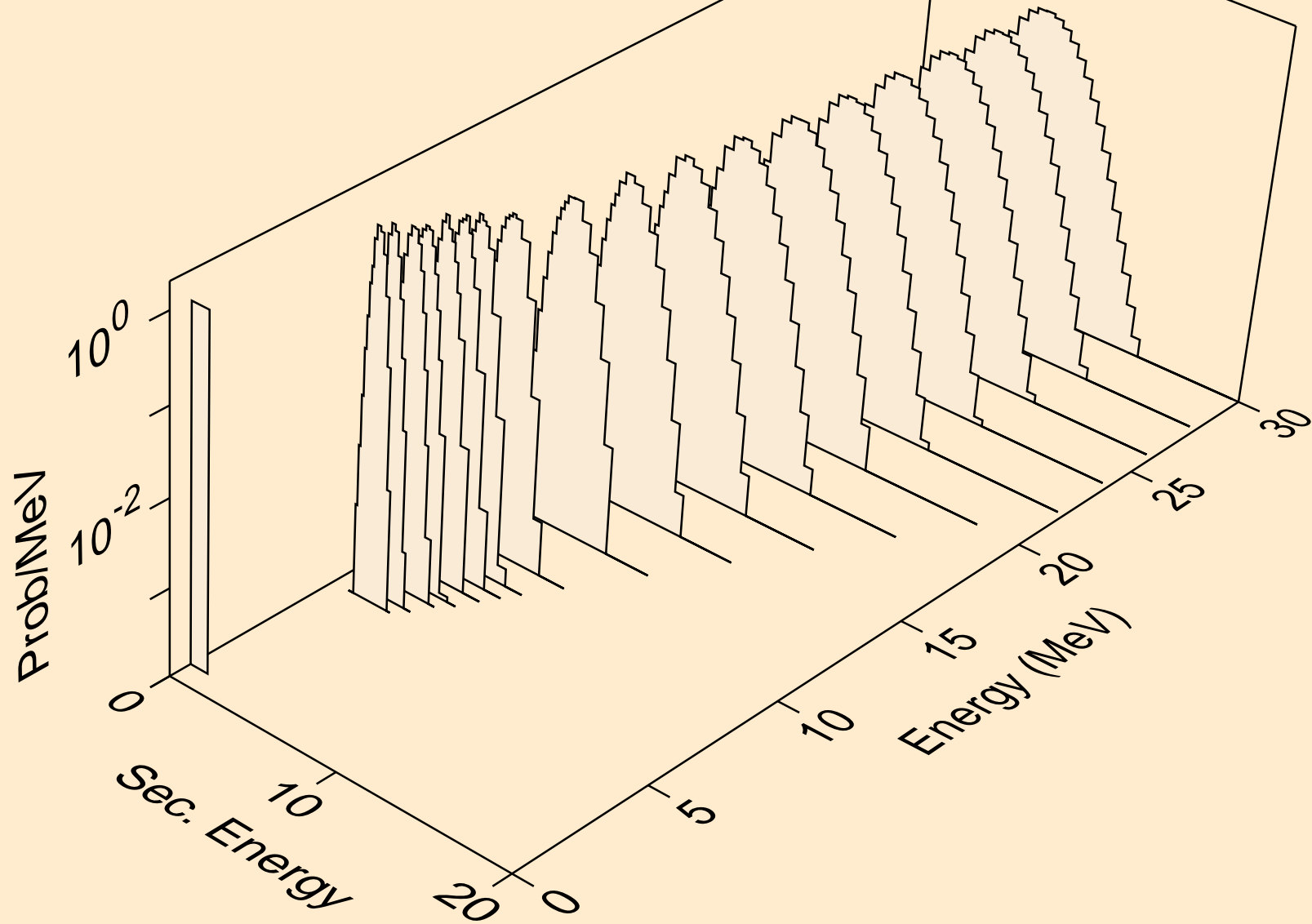
HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,2p)



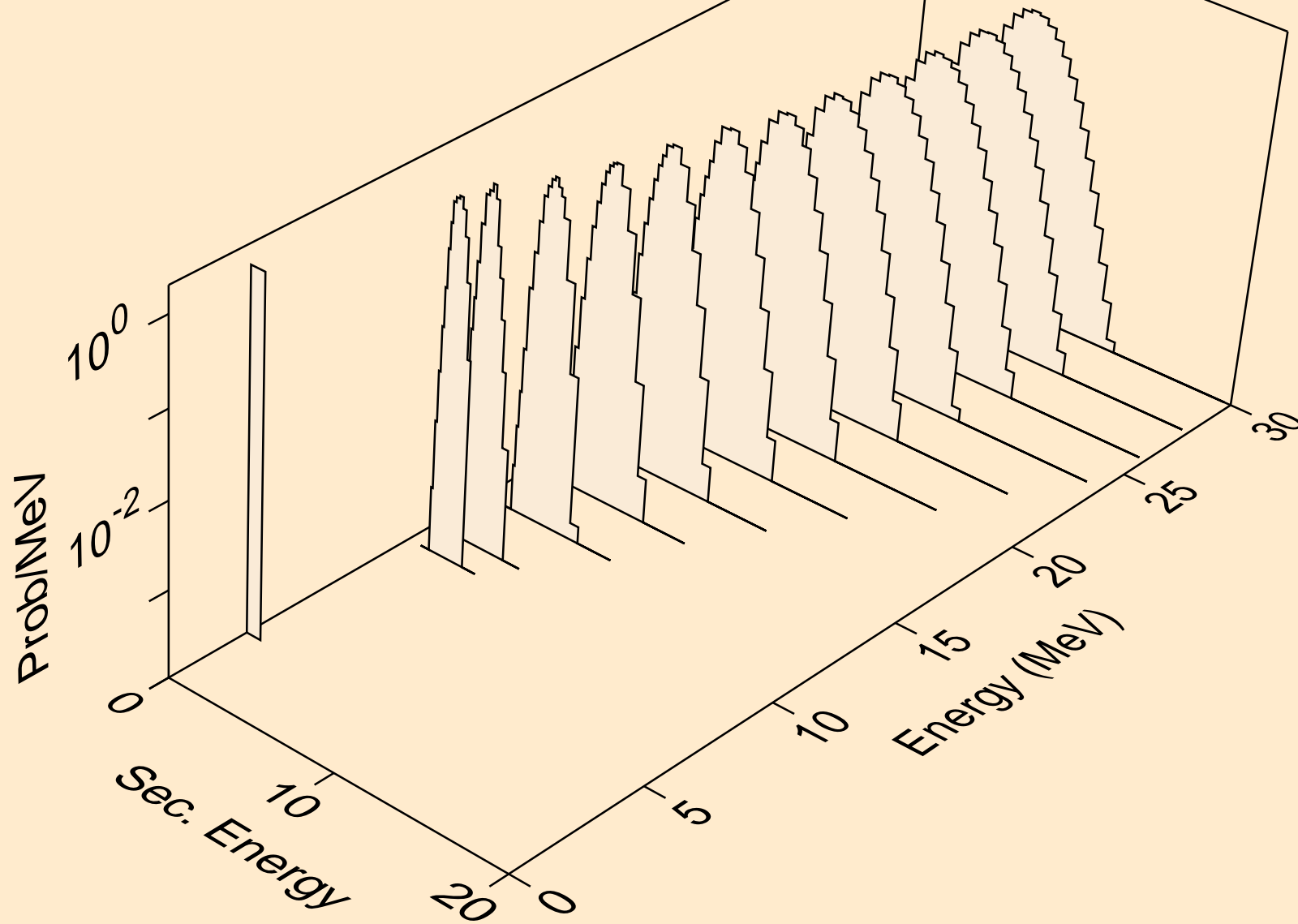
HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,p)



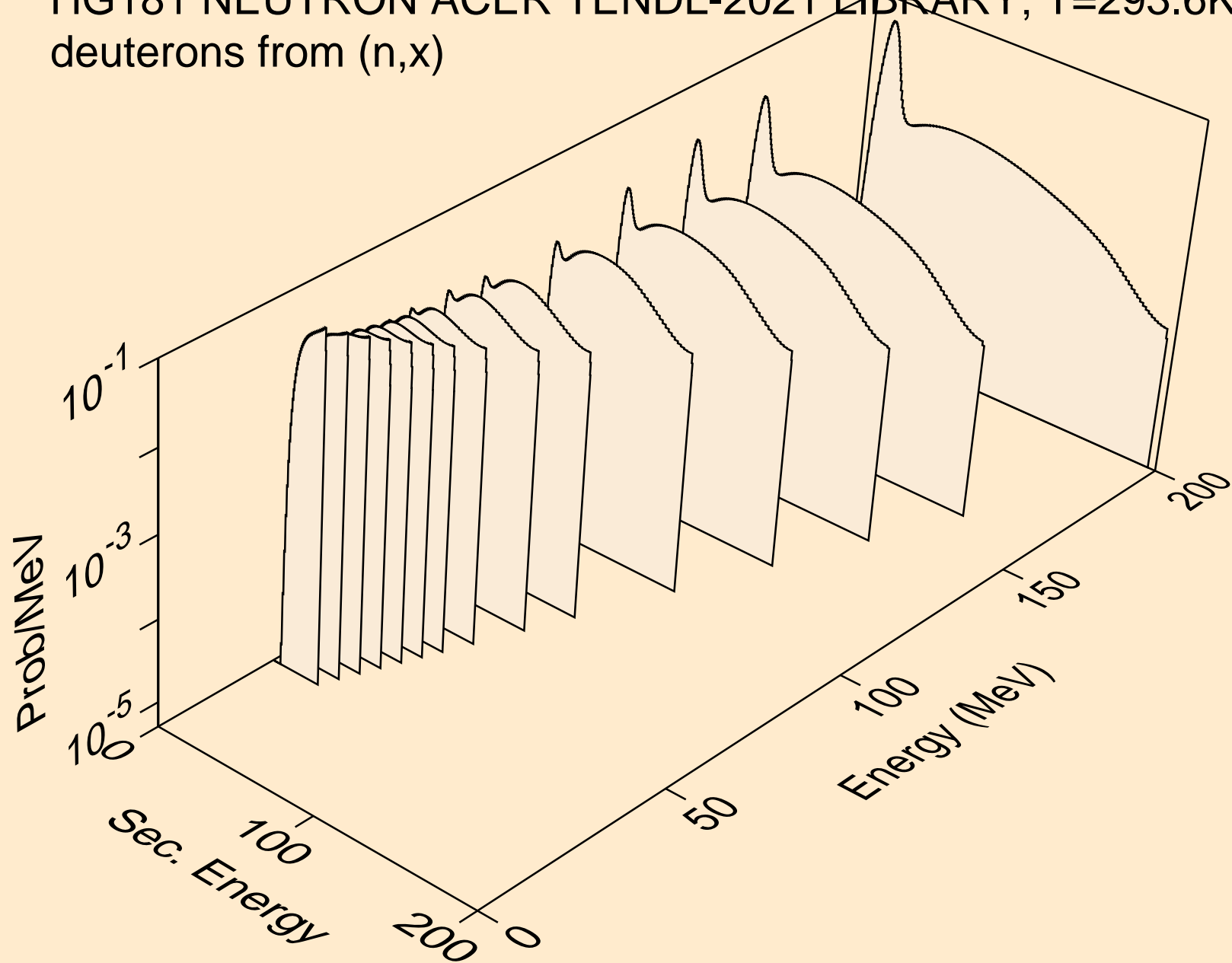
HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,pd)



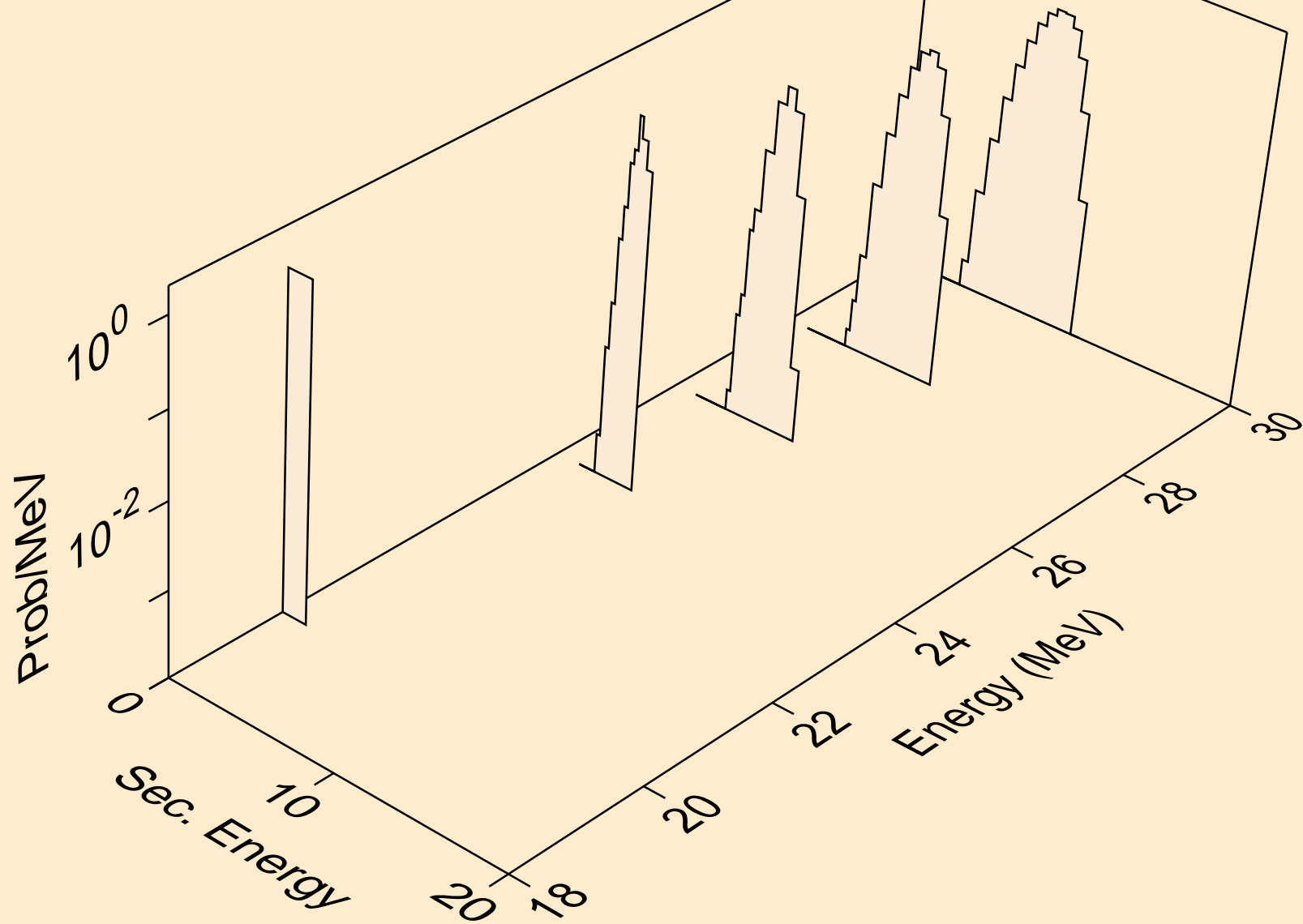
HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,pt)



HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,x)

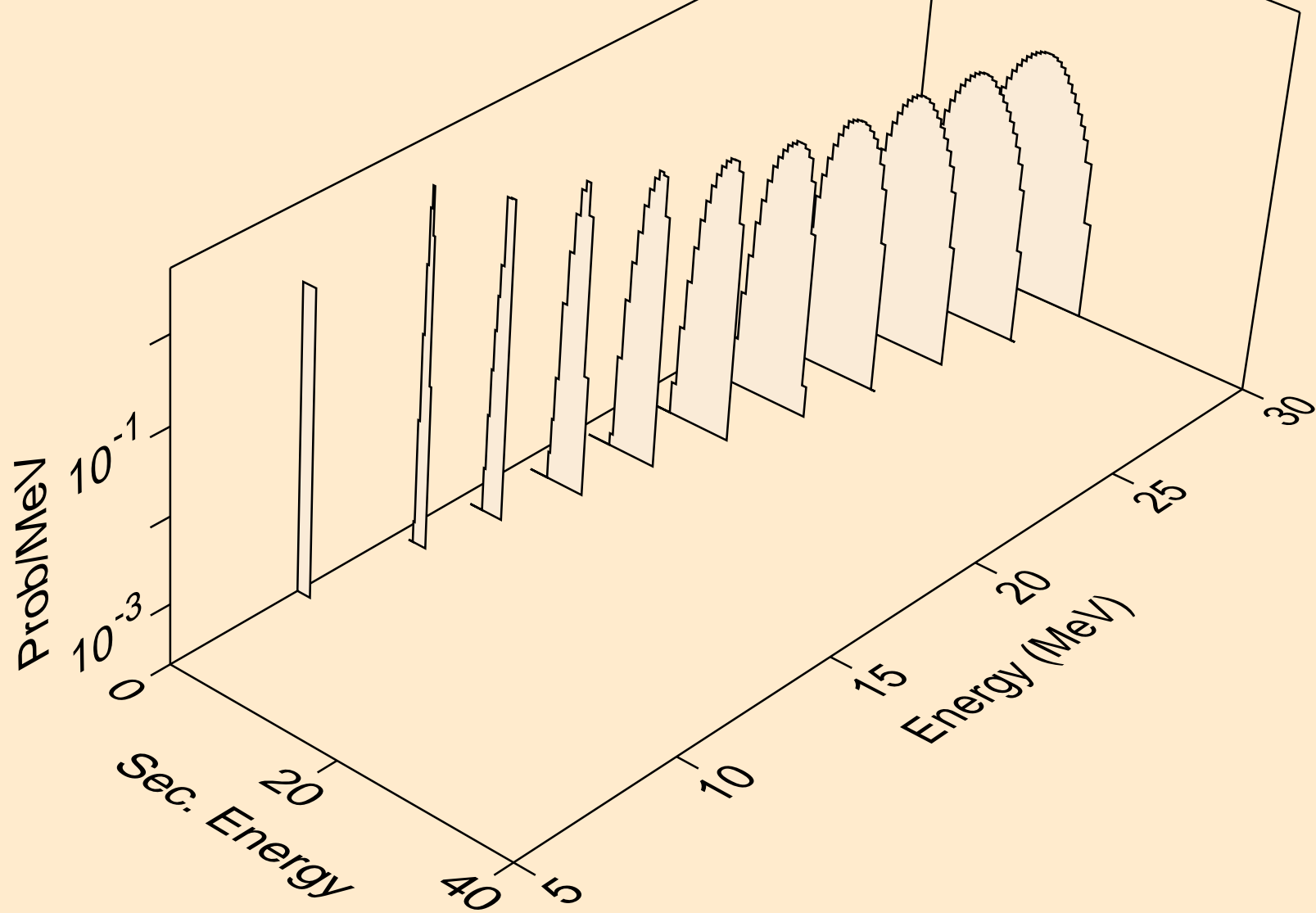


HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,2nd)

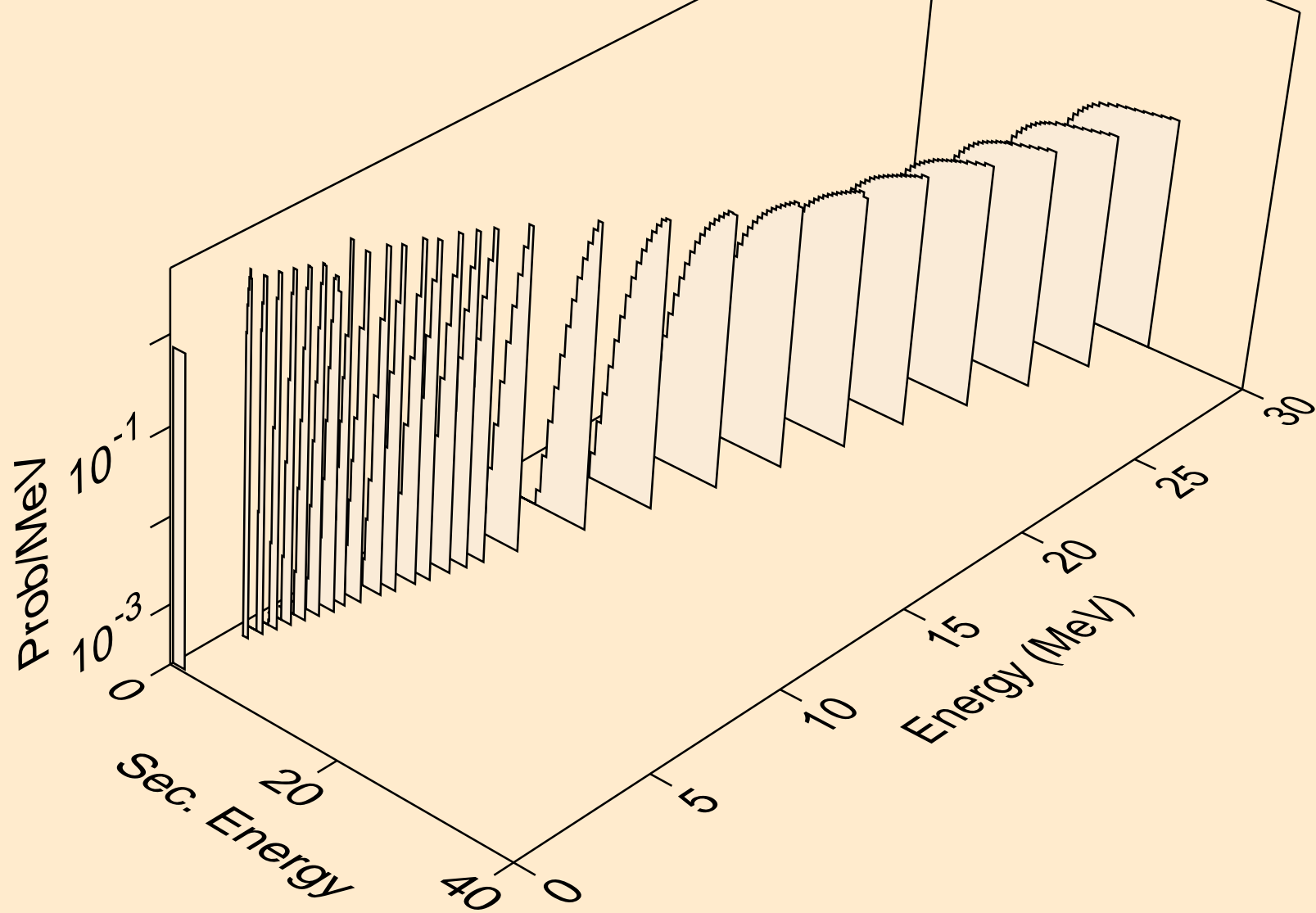




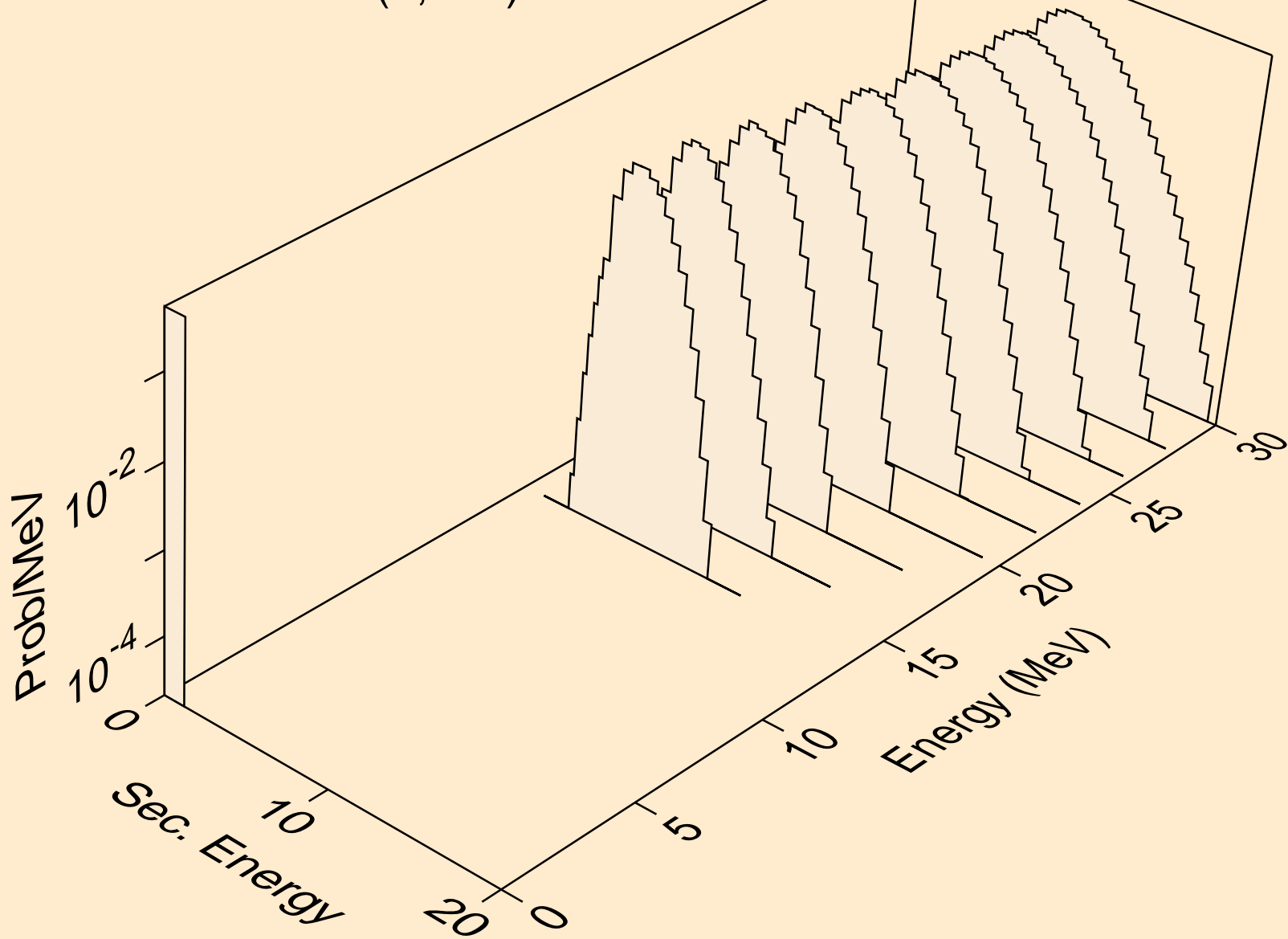
HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,n\*)d



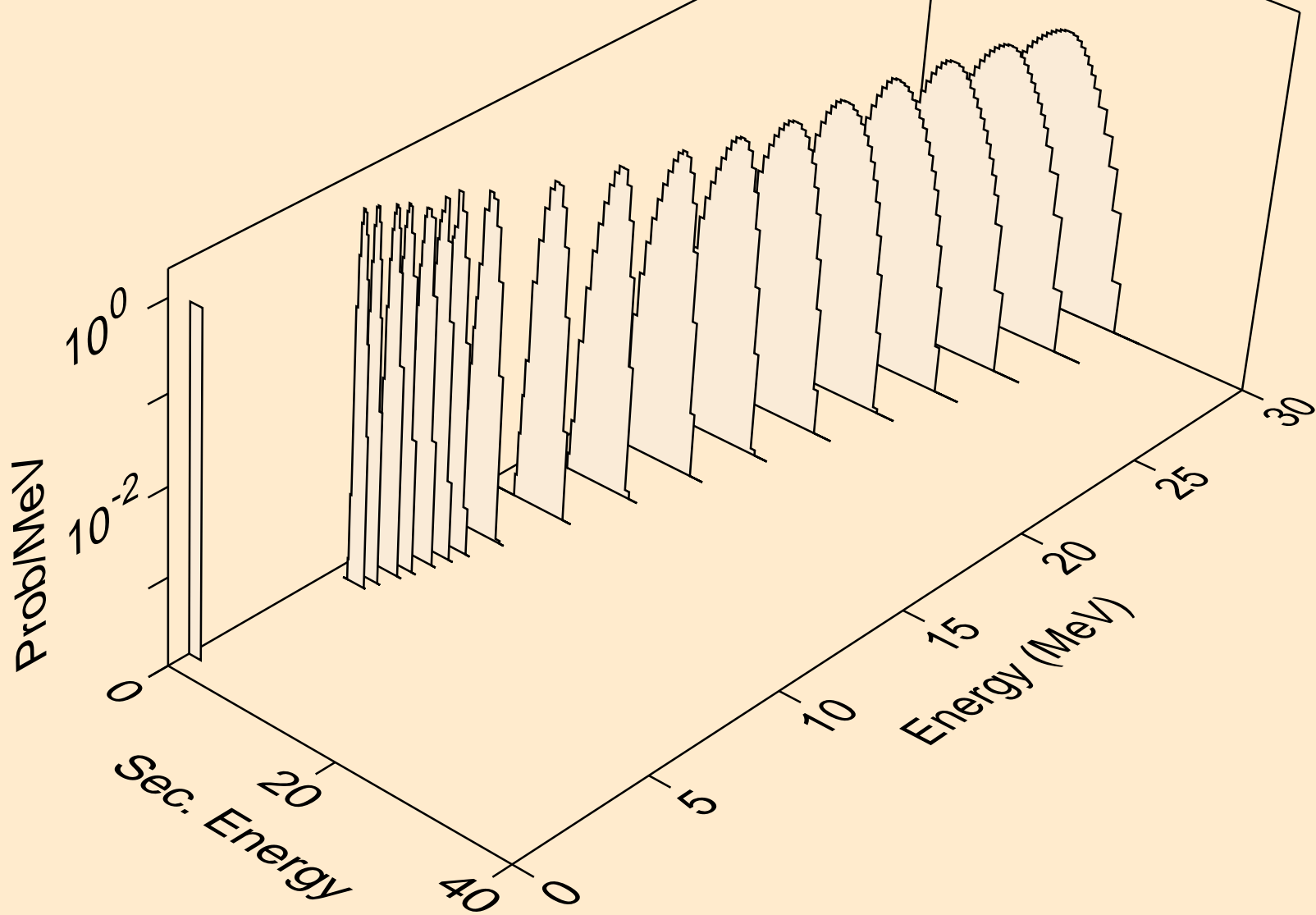
HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,d)



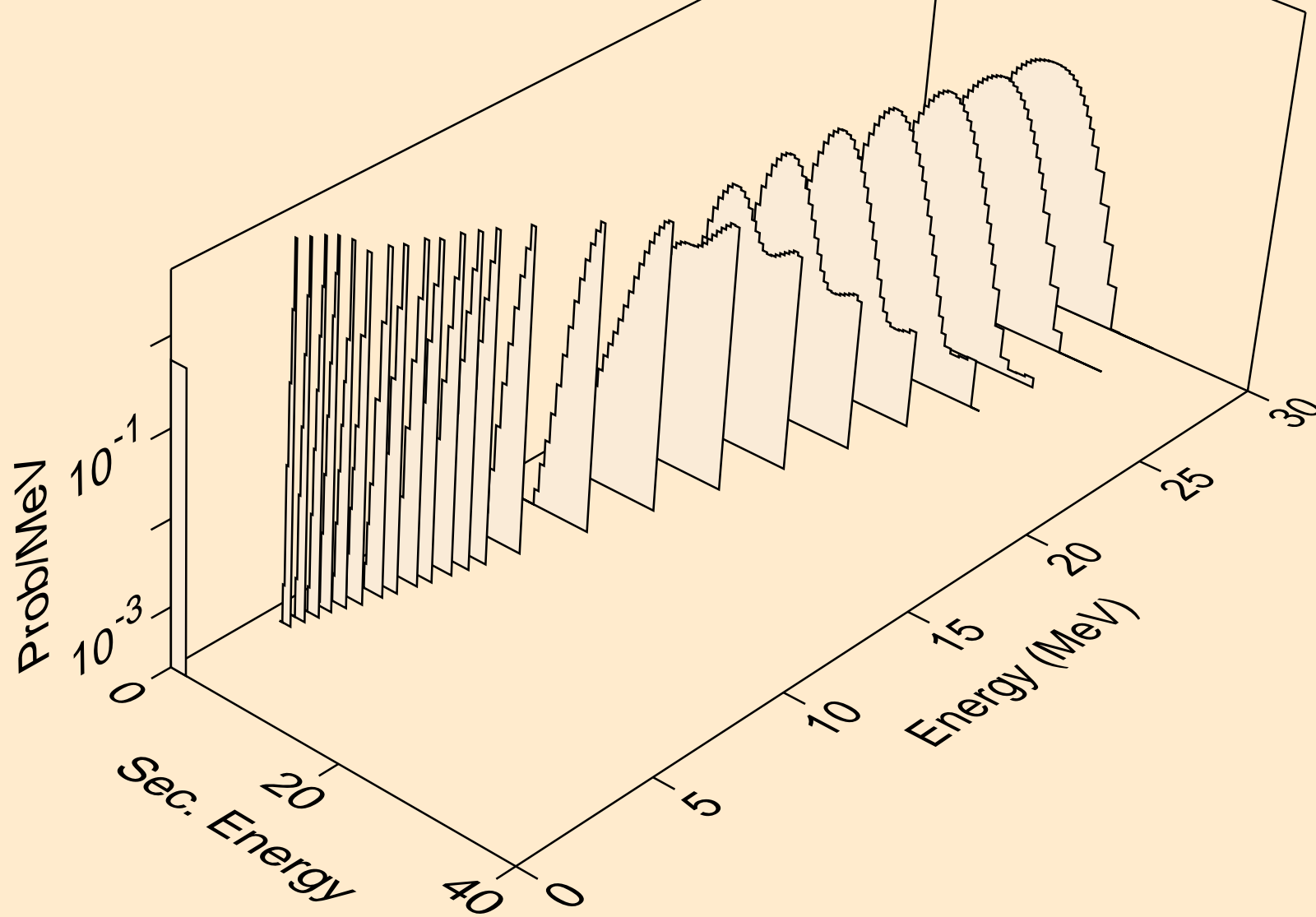
HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,d2a)



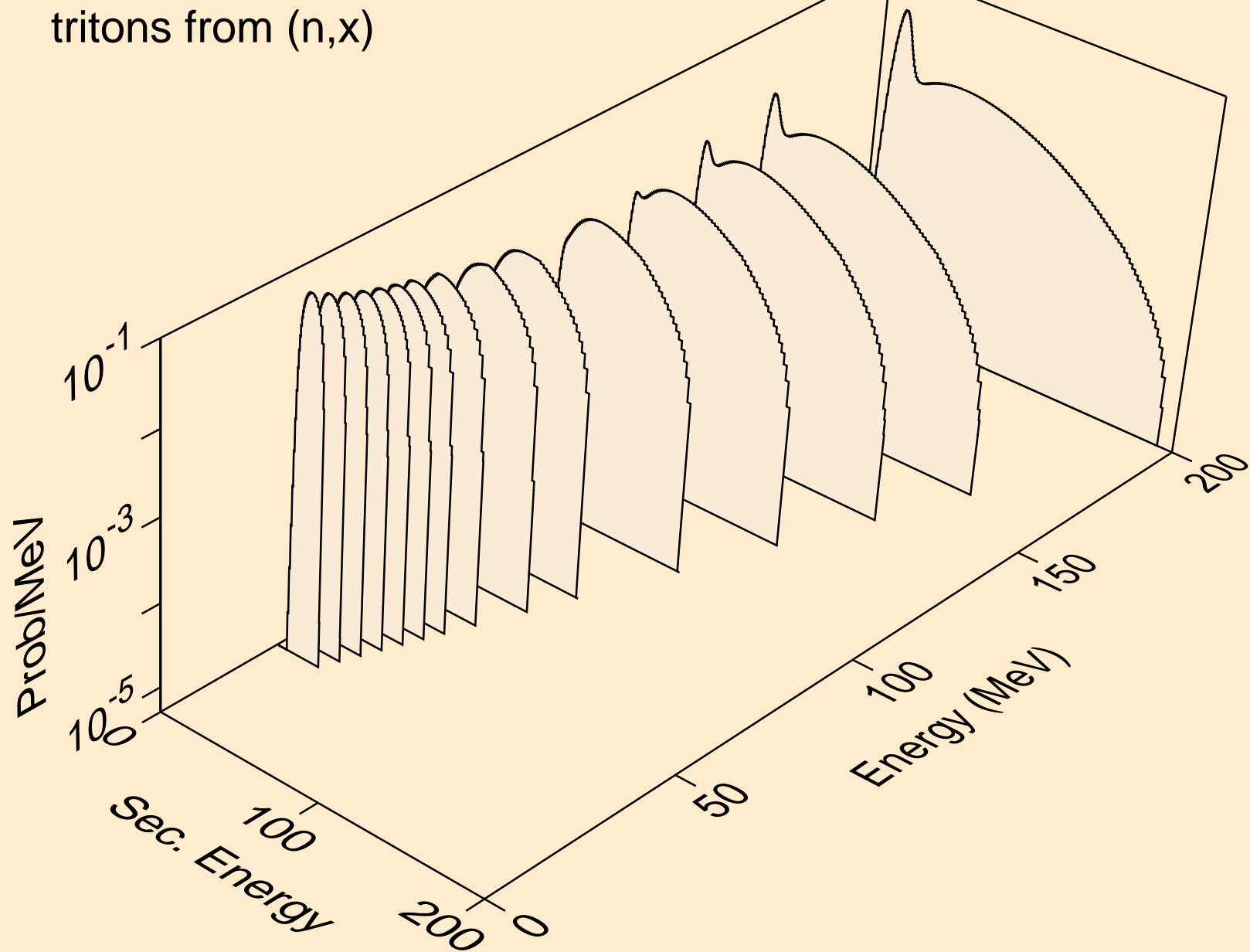
HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,pd)



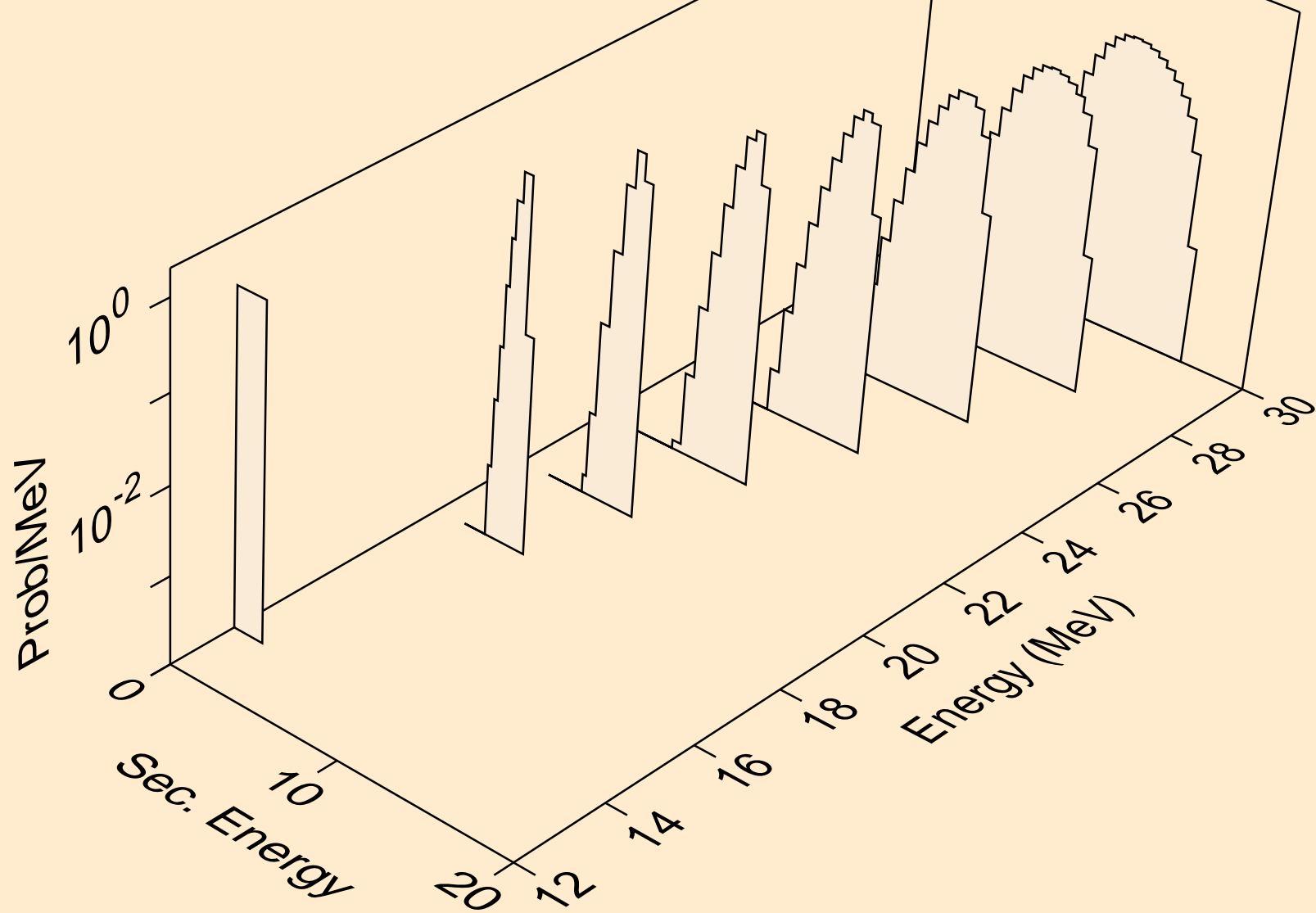
HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,da)



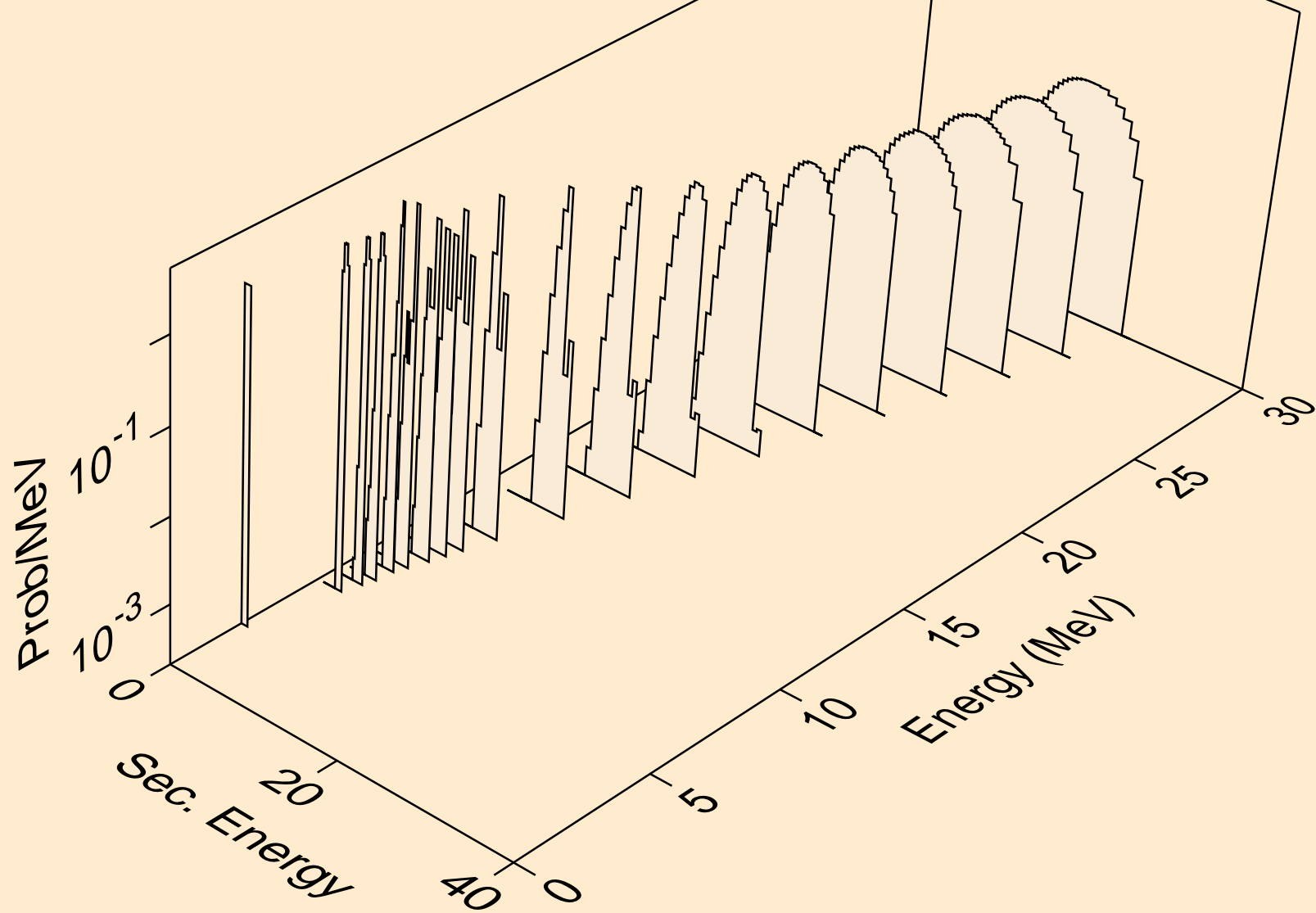
HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,x)



HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,n\*)t

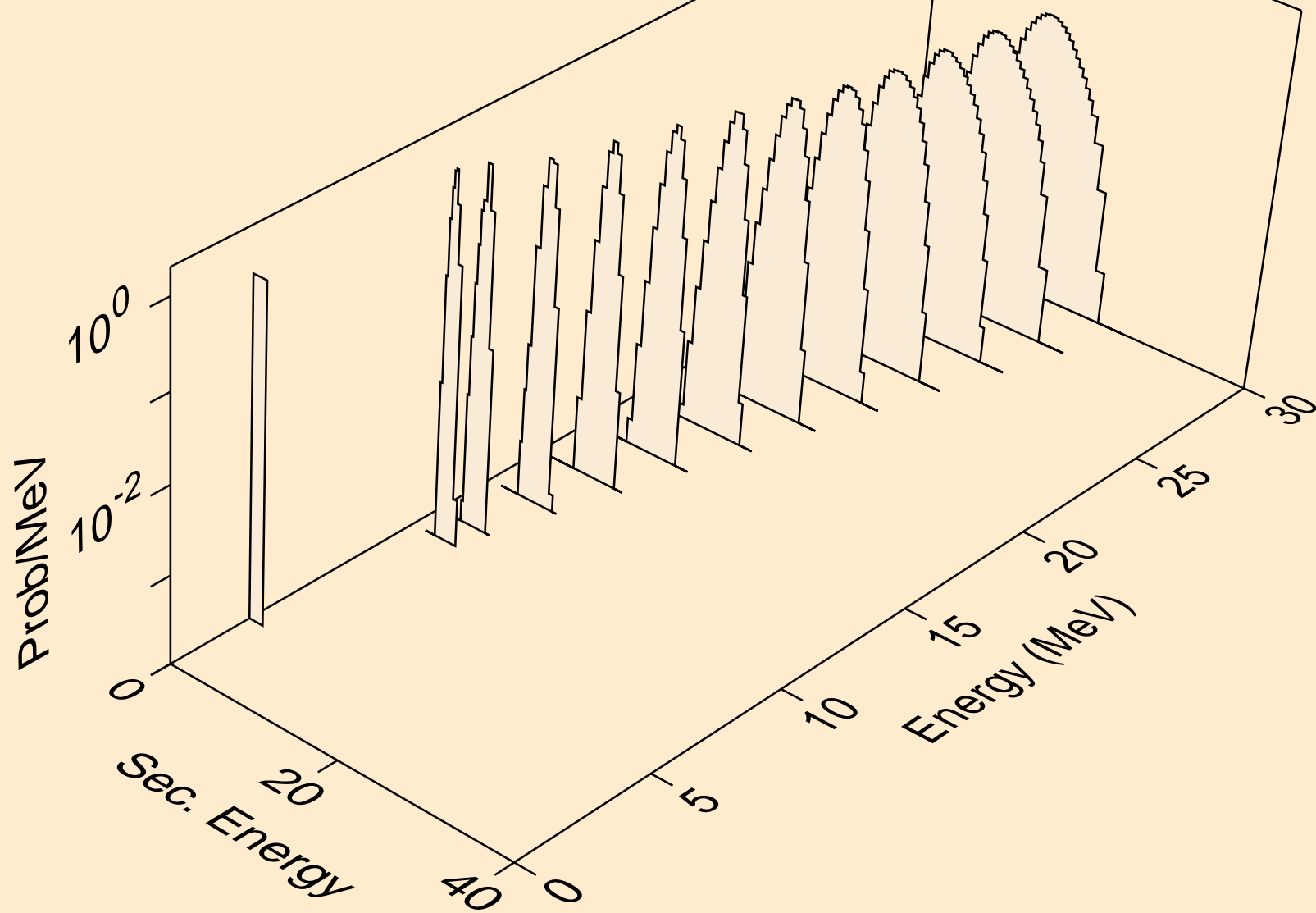


HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,t)

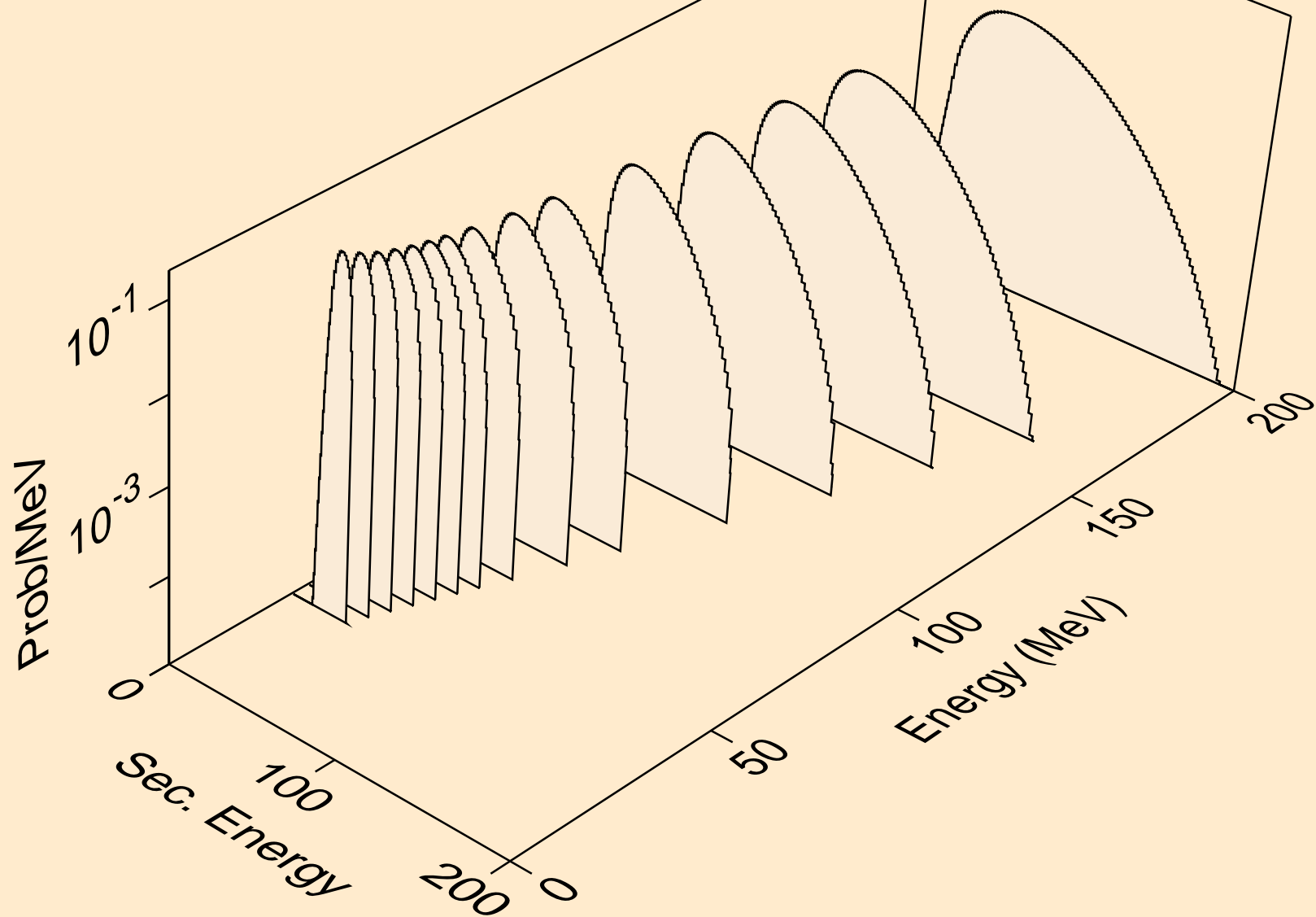




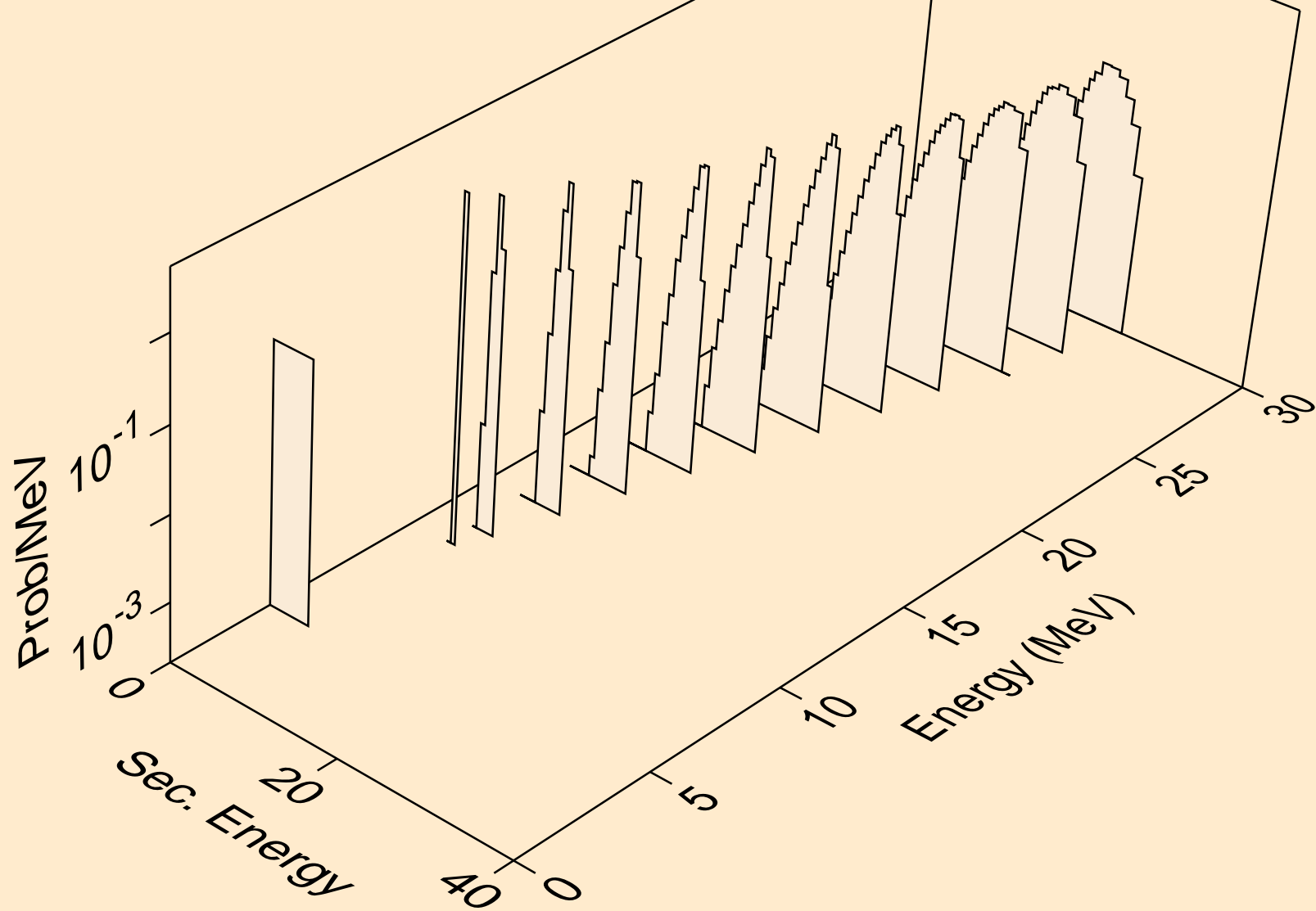
HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,pt)



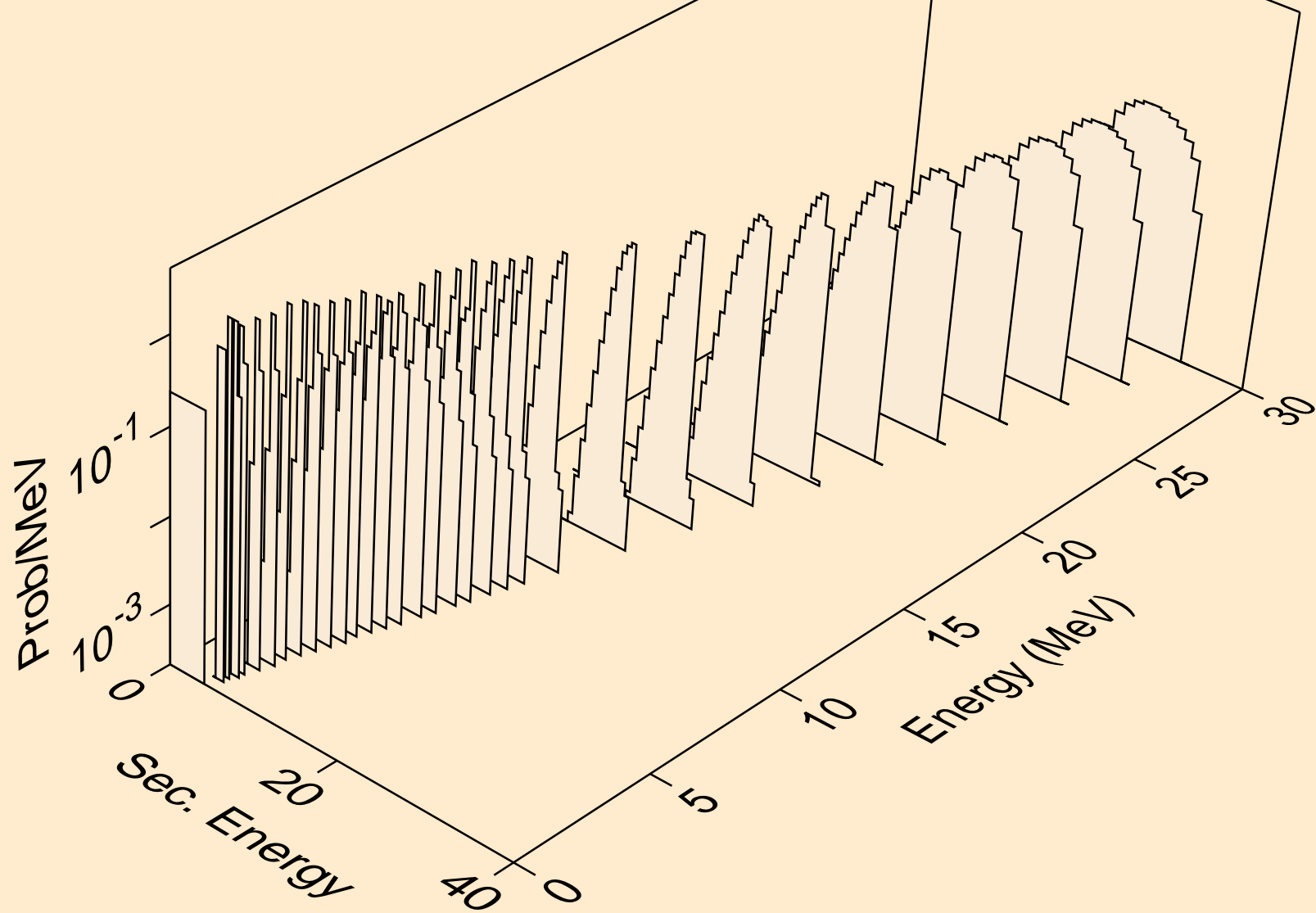
HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
he3s from (n,x)



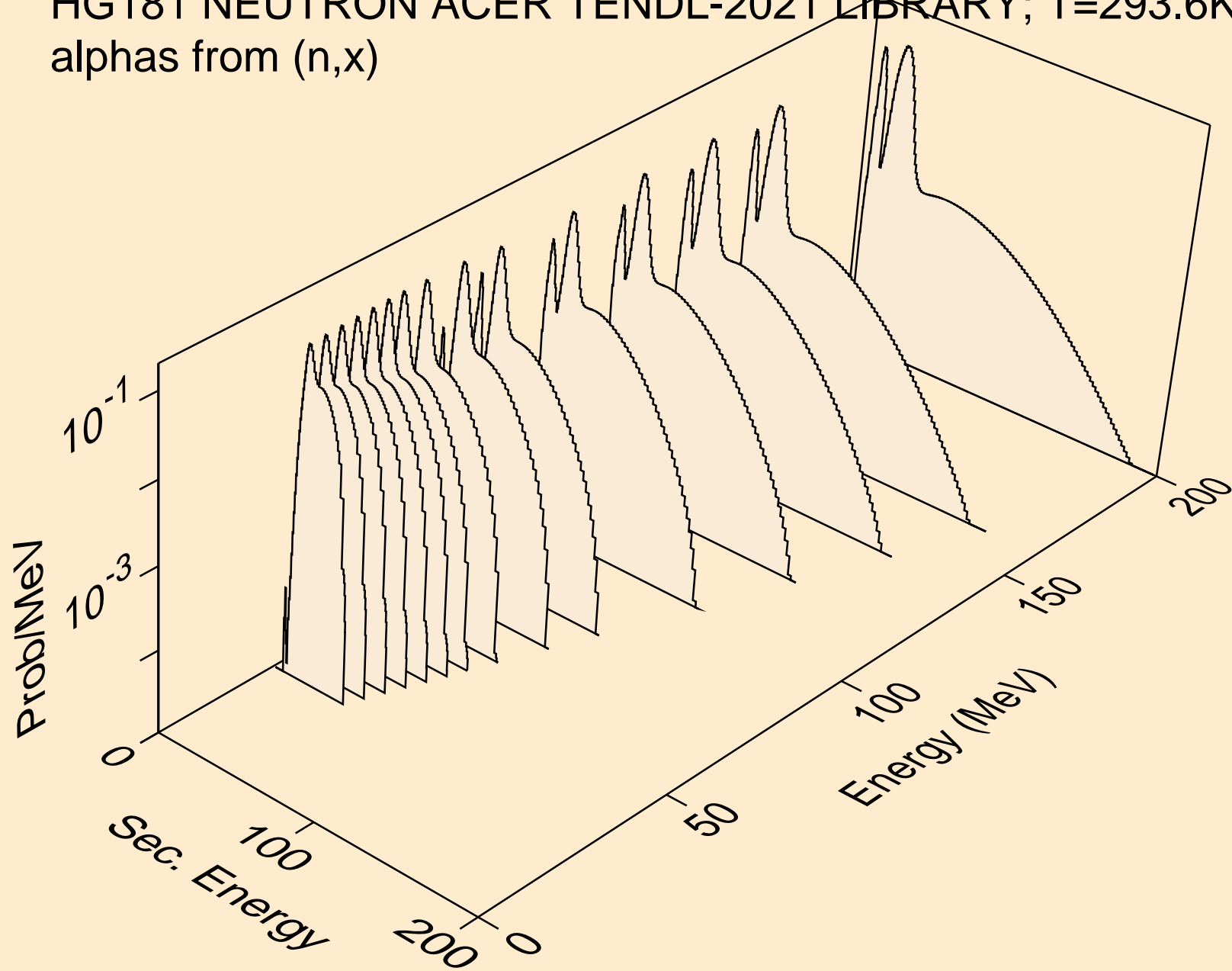
HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
he3s from (n,n\*)he3



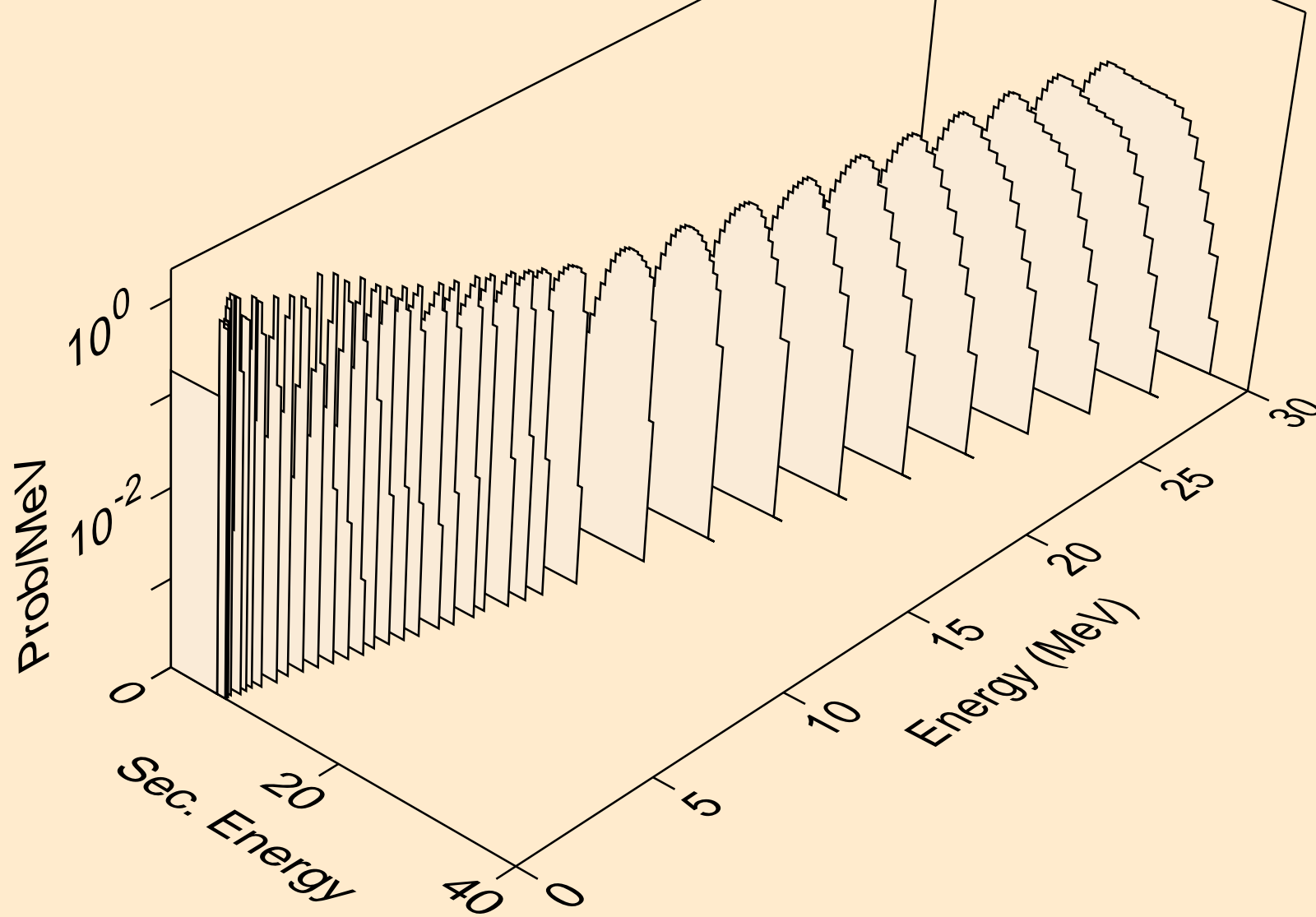
HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
he3s from (n,he3)



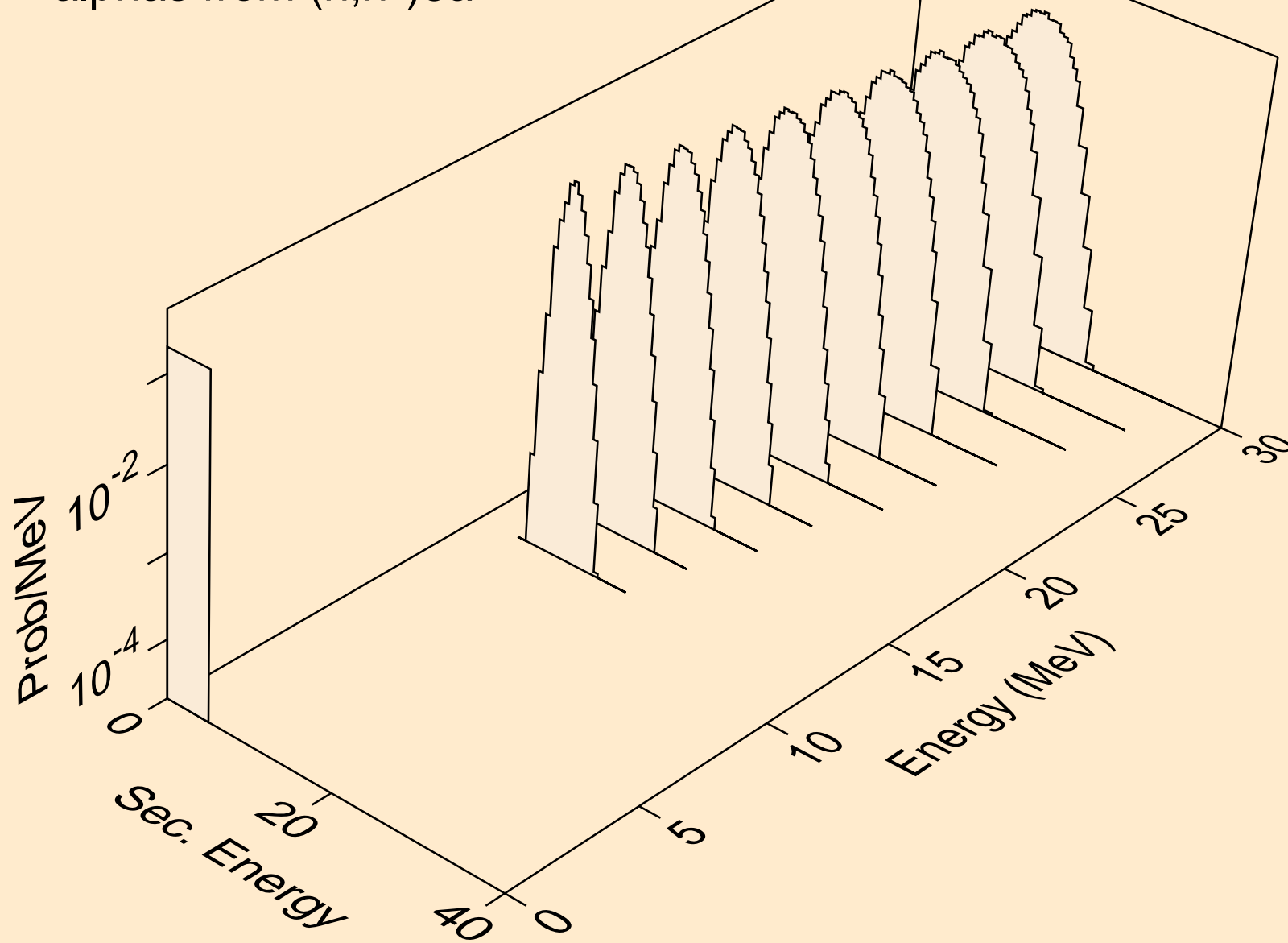
HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,x)



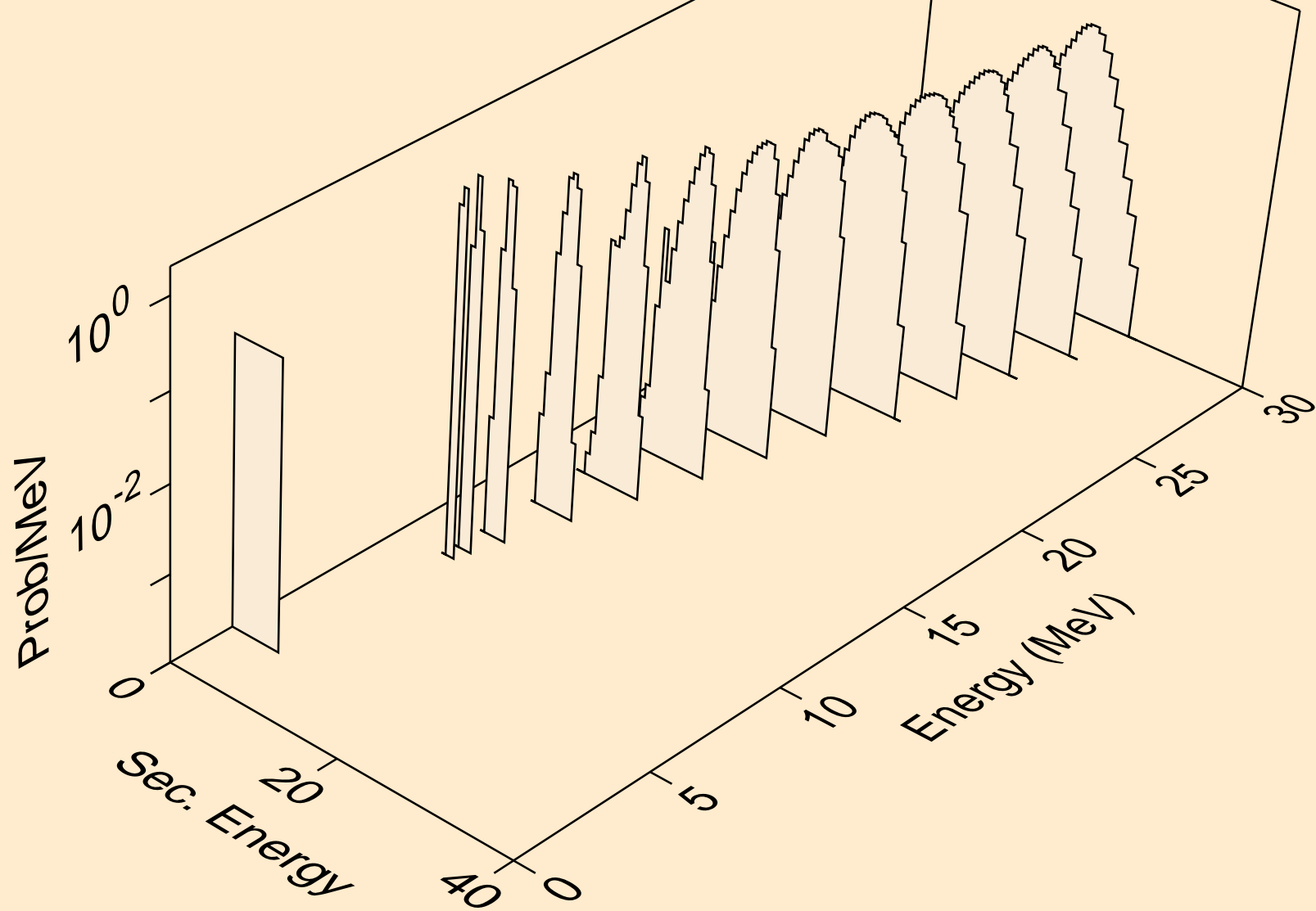
HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,n\*)a



HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,n\*)3a

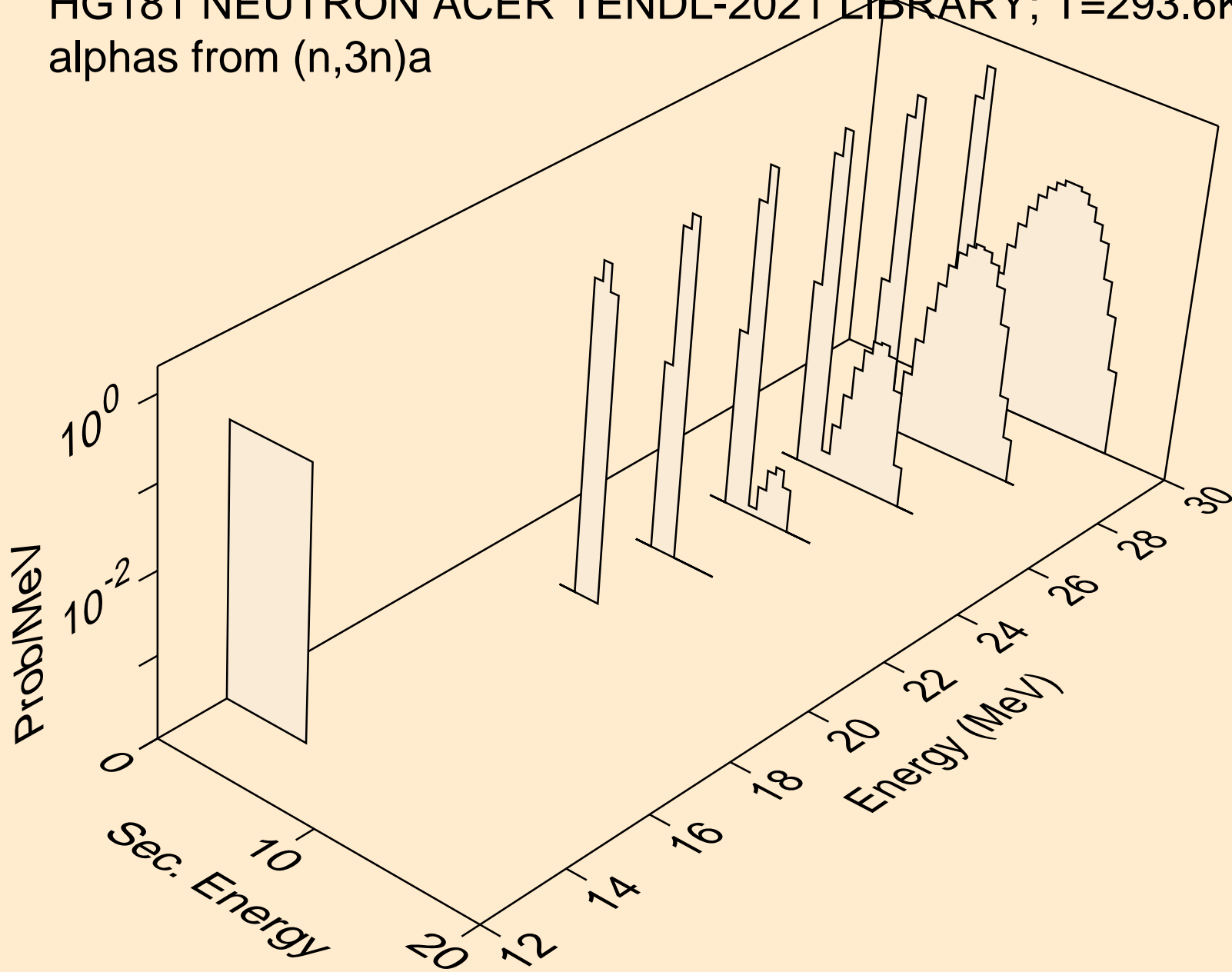


HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2n)a

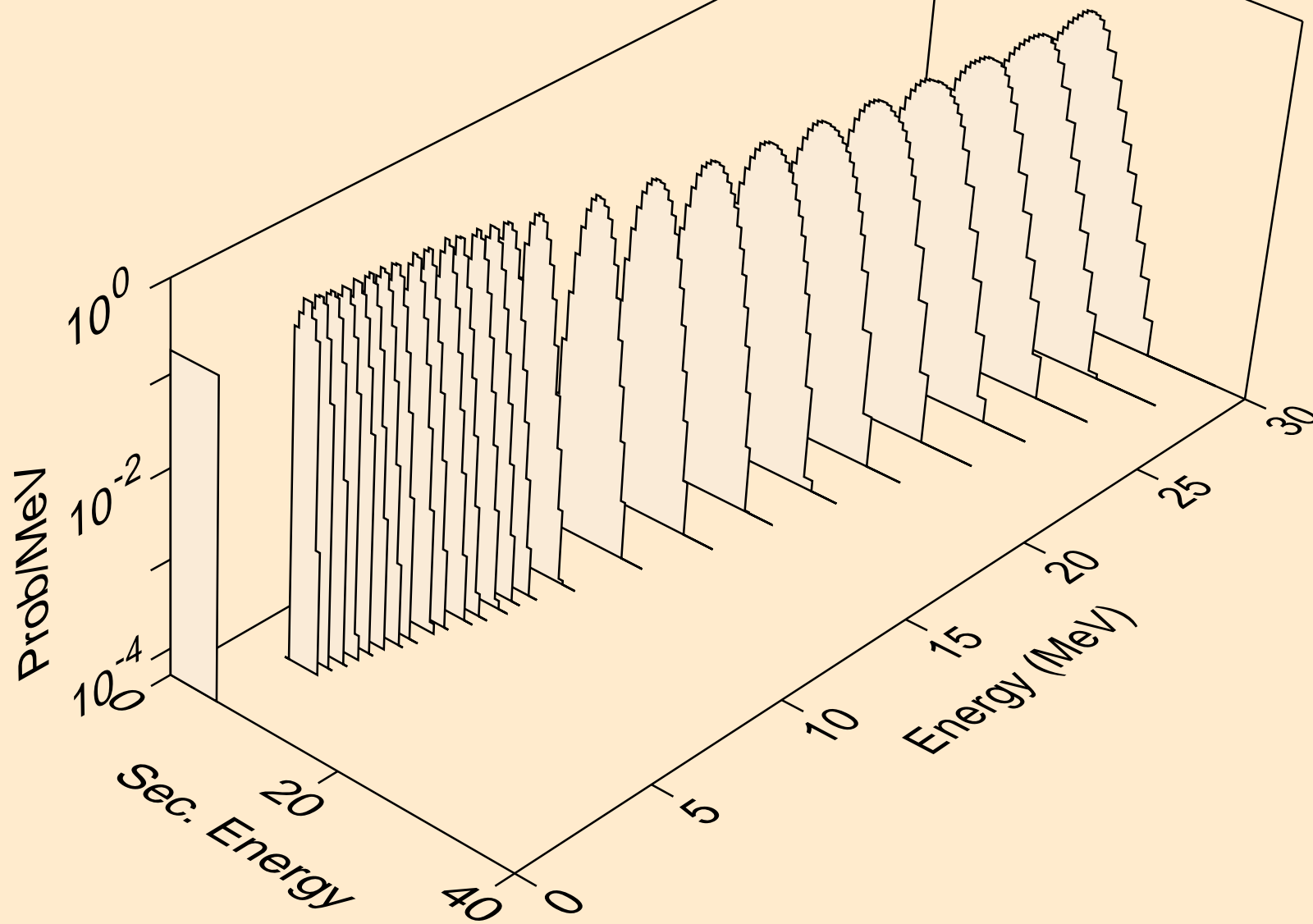




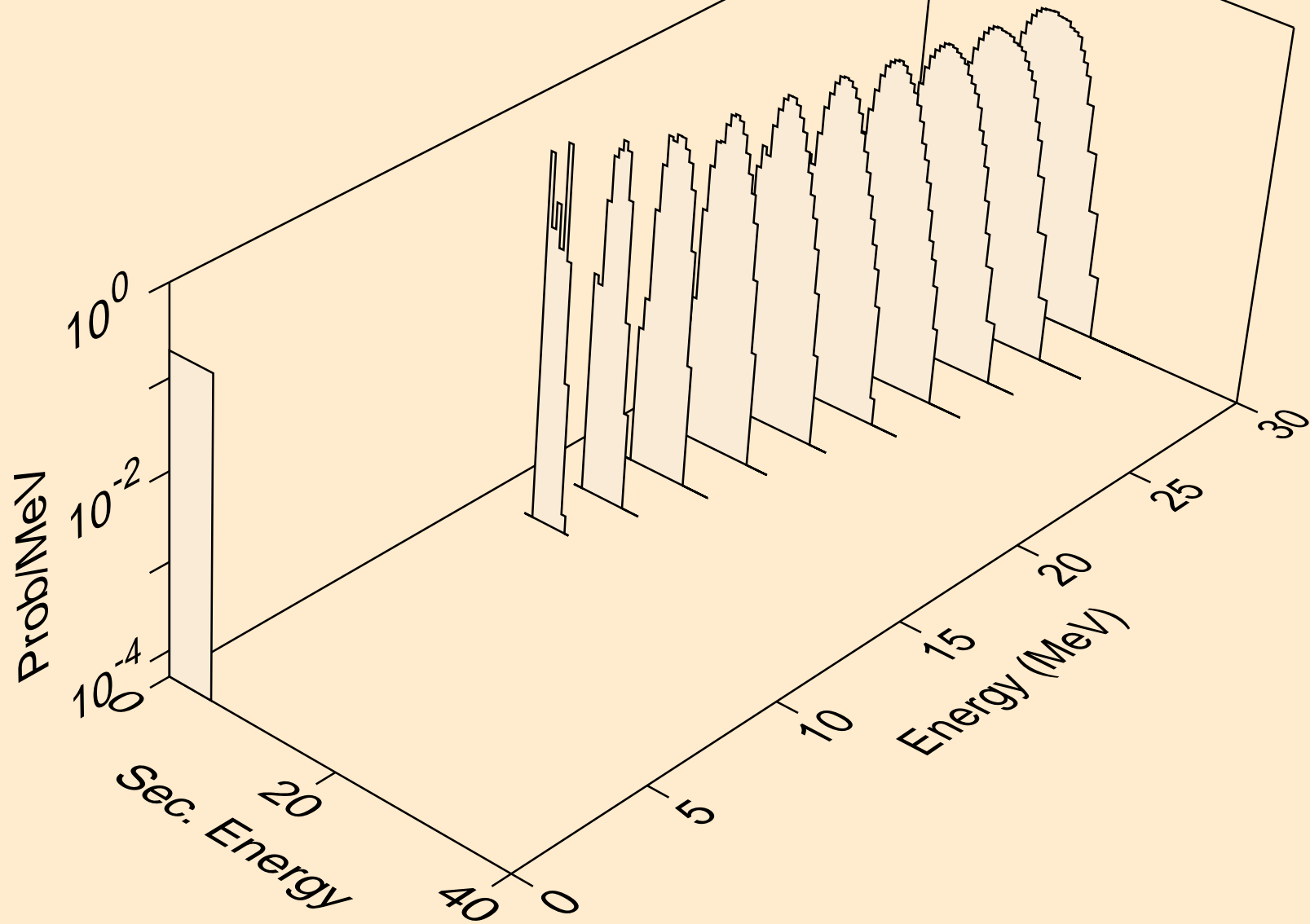
HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,3n)a



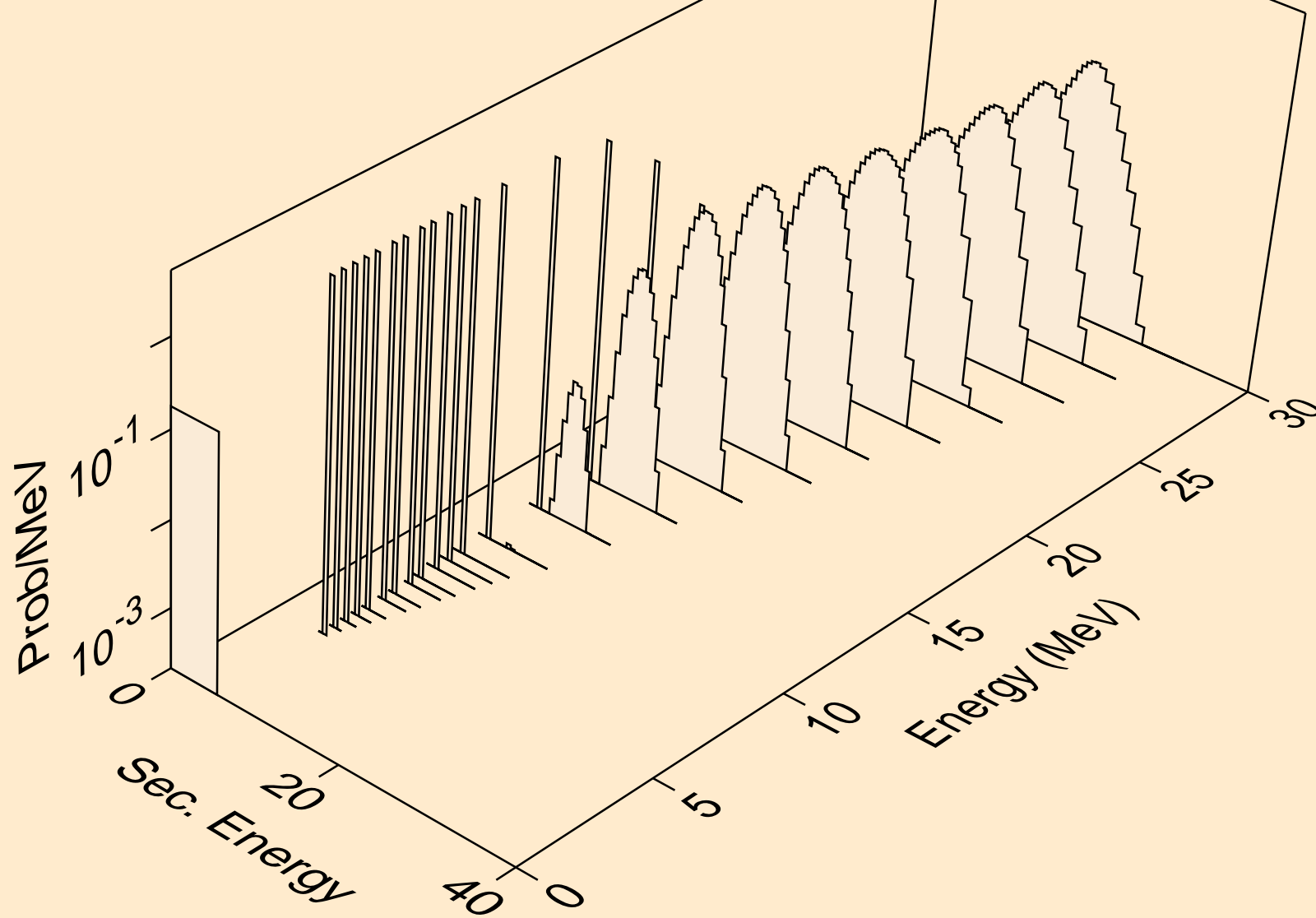
HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,n\*)2a



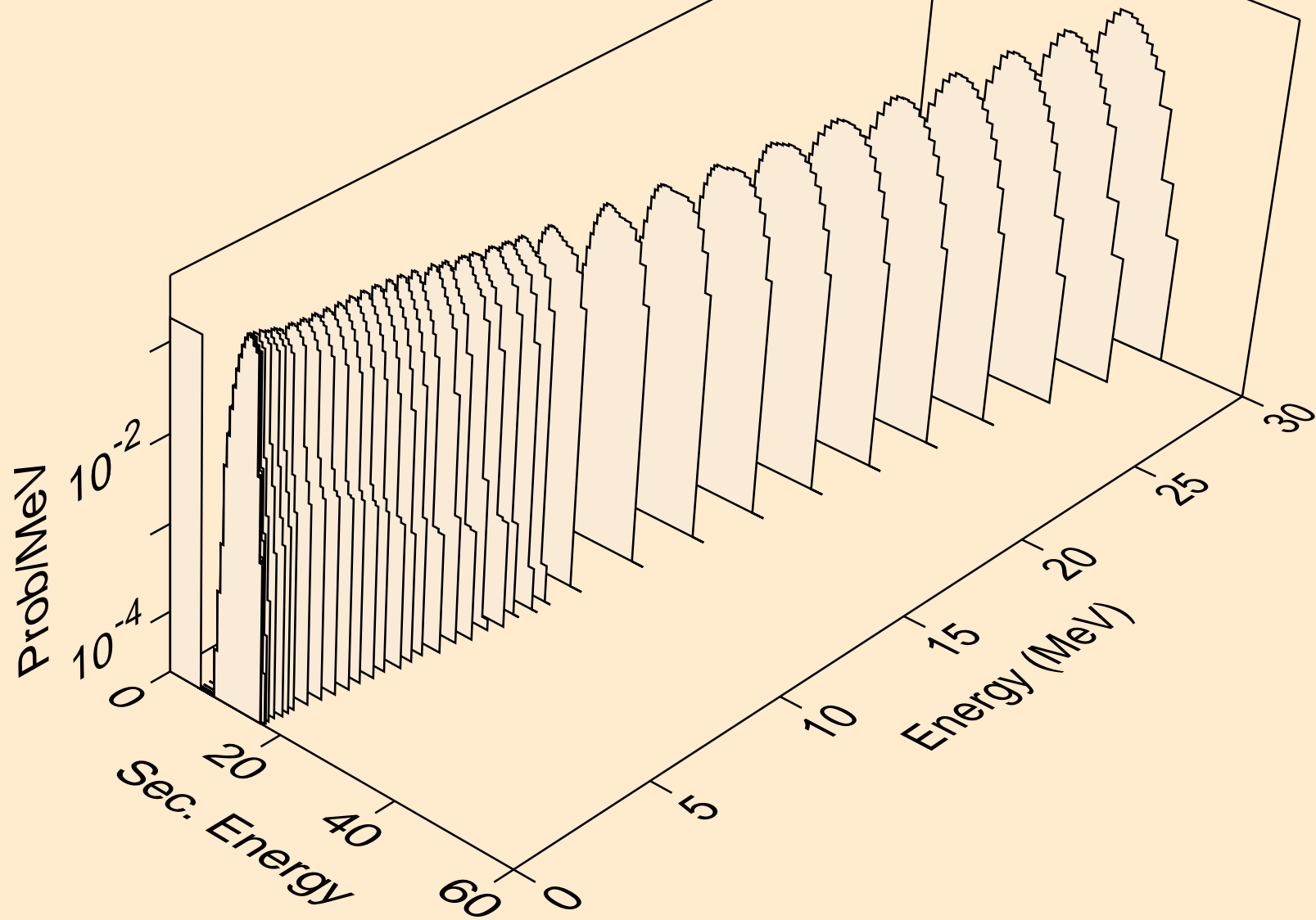
HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2n)2a



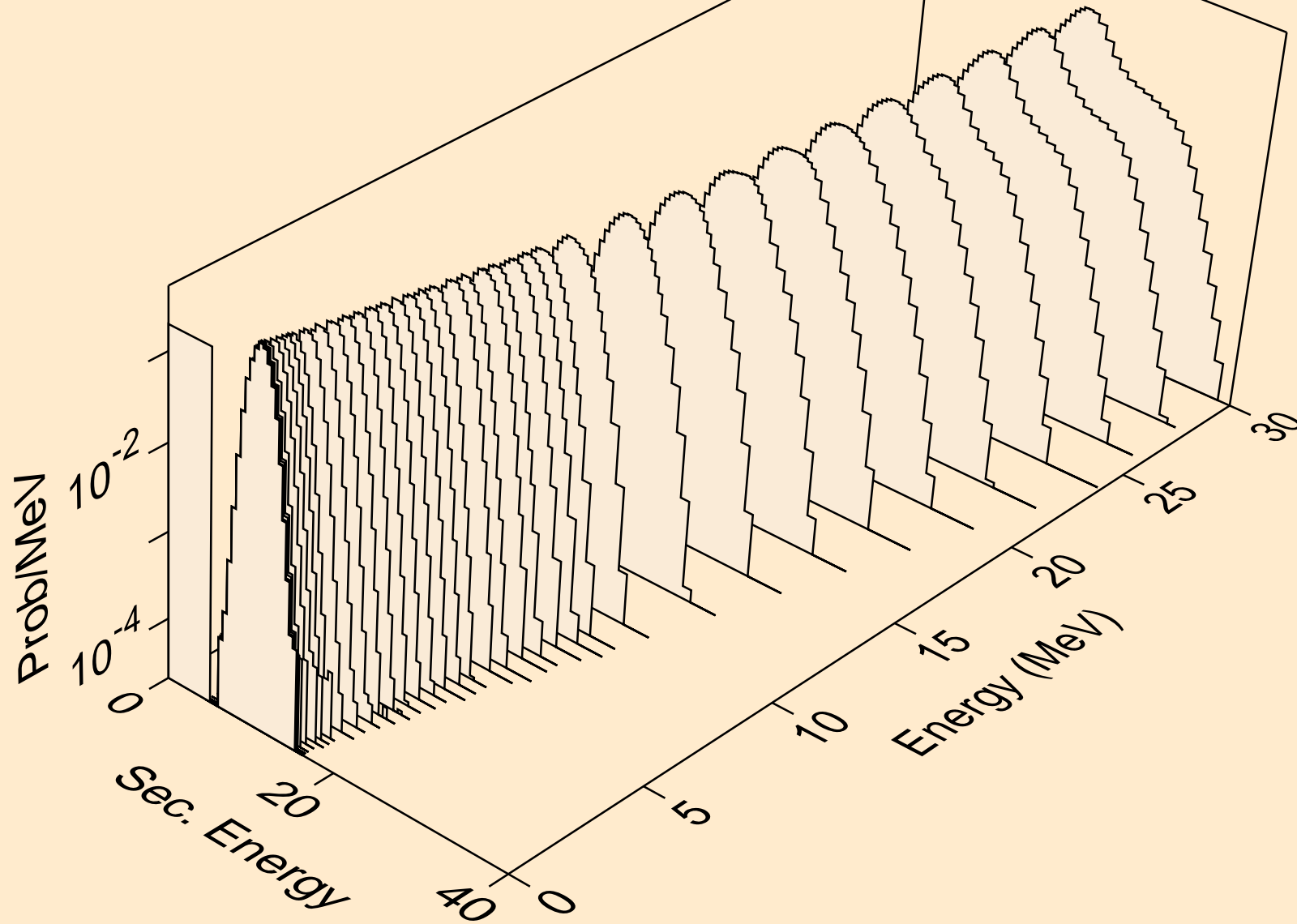
HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,npa)



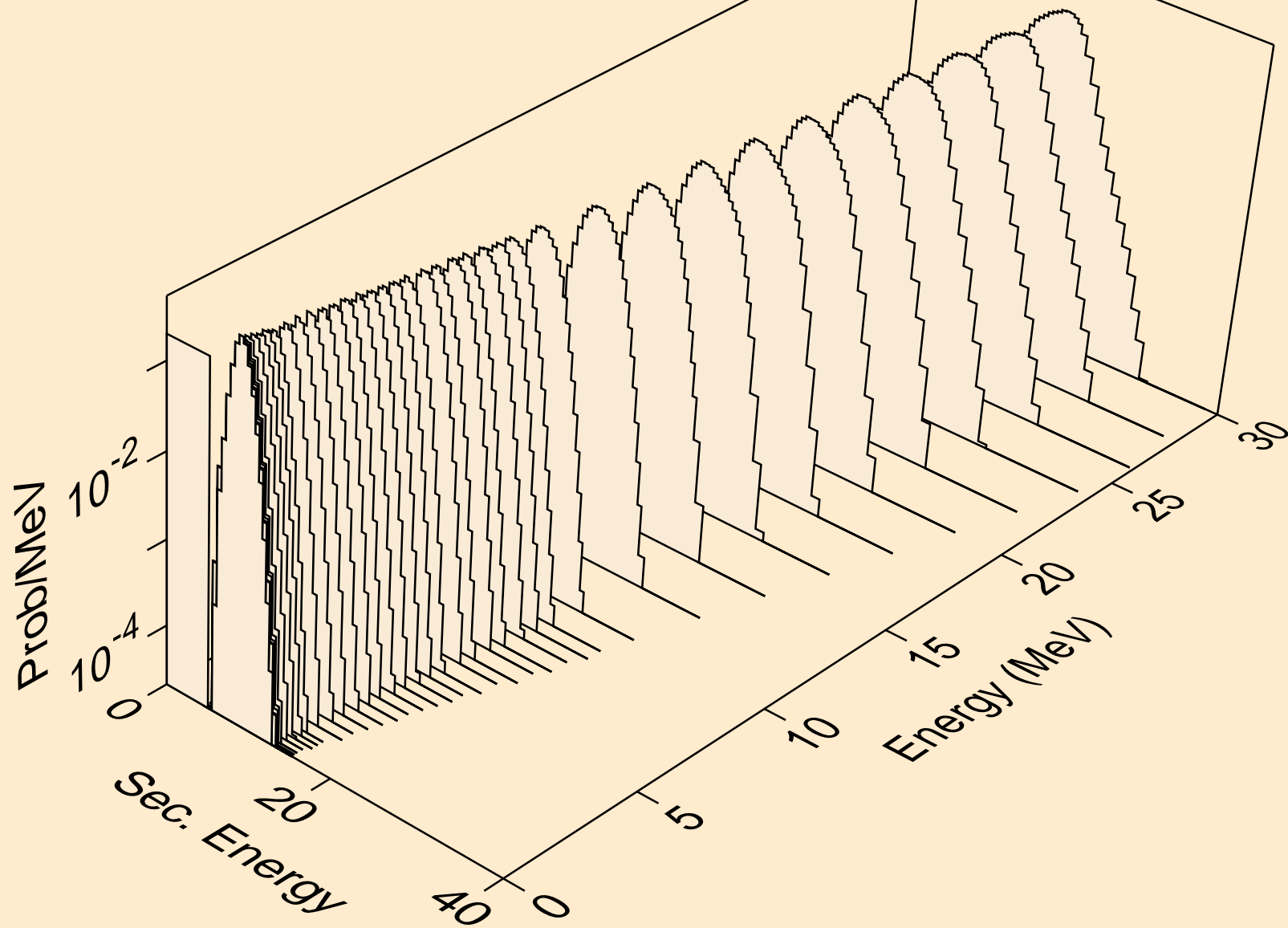
HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,a)



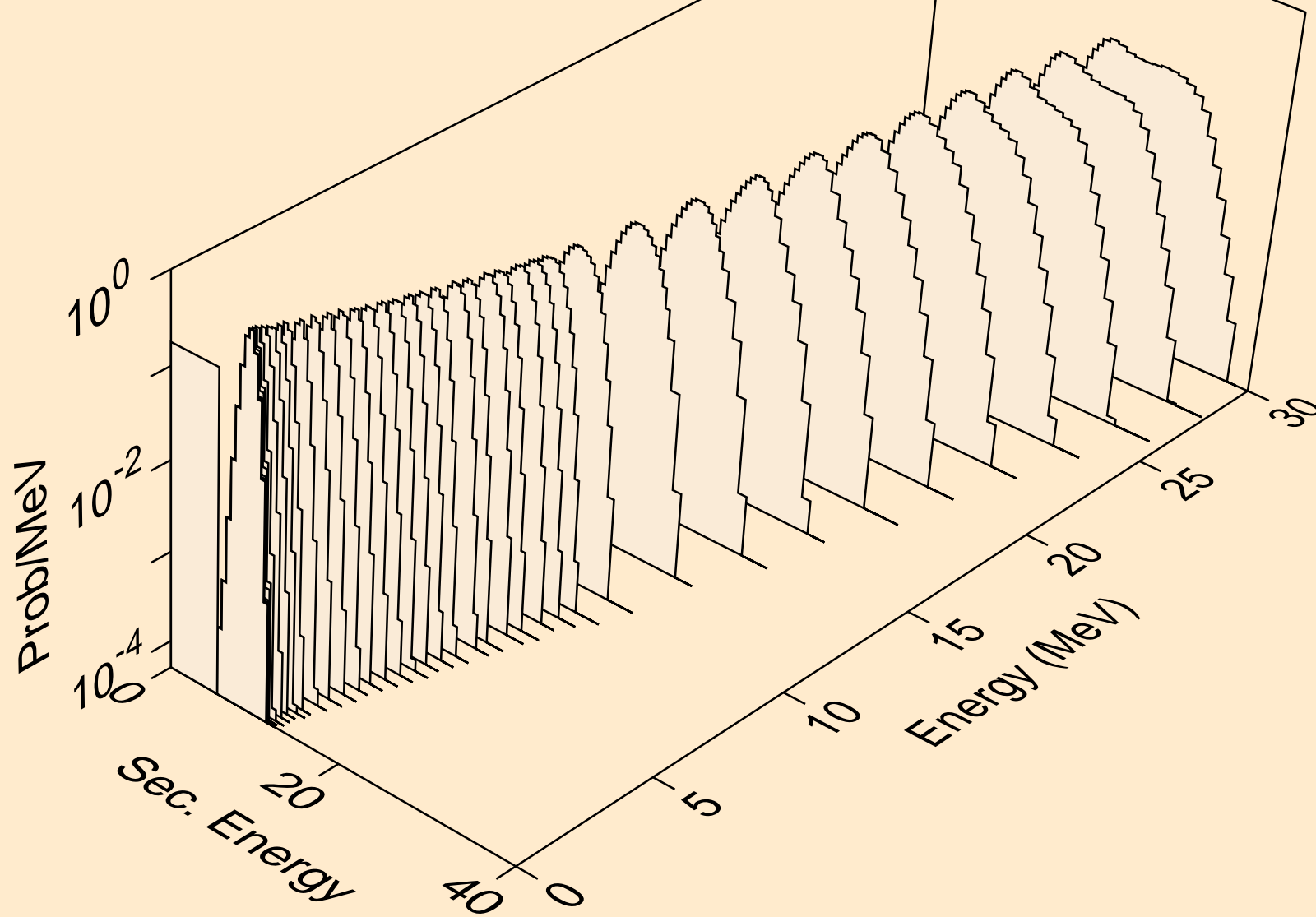
HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2a)



HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,3a)

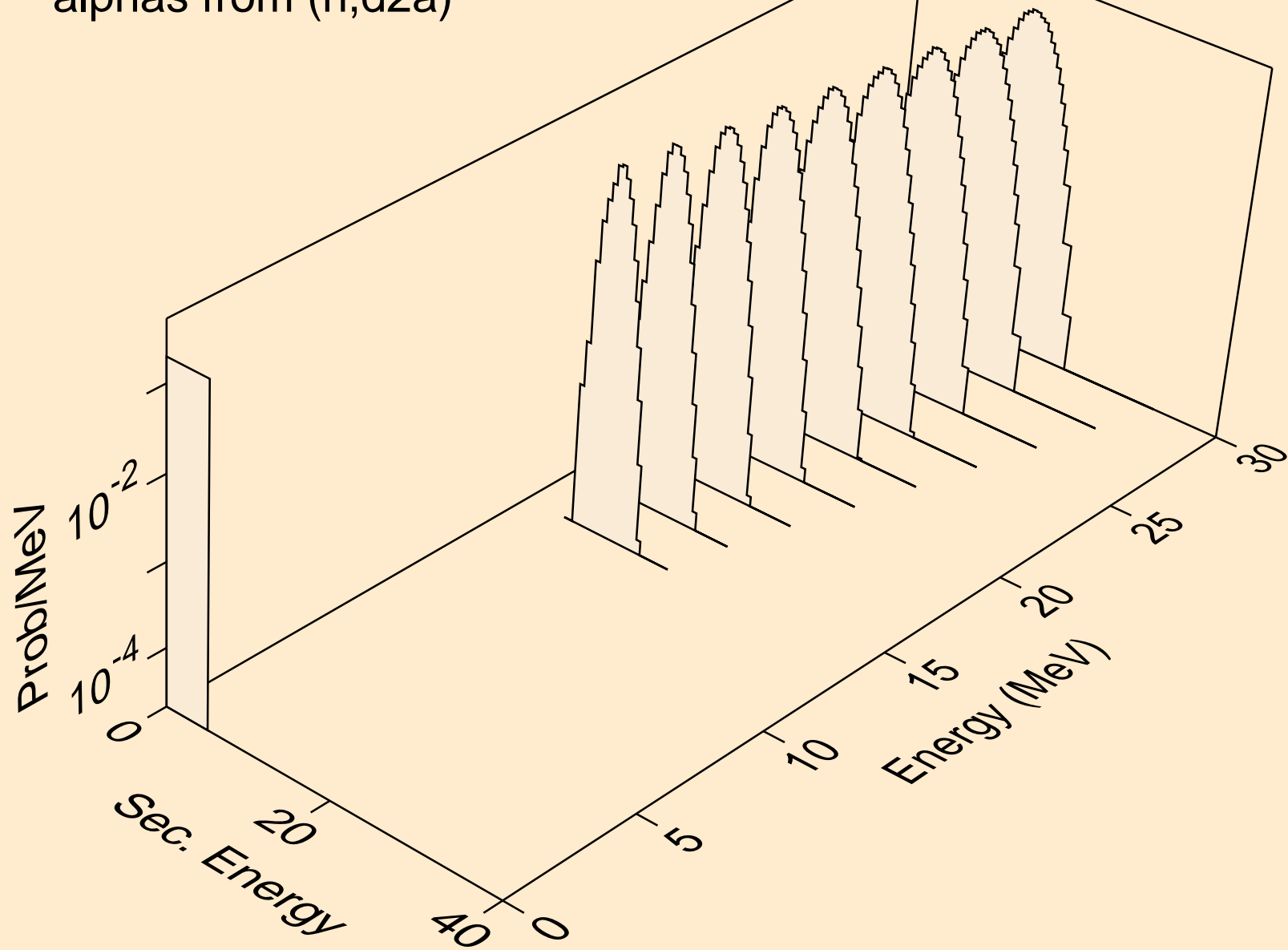


HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,pa)





HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,d2a)



HG181 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,da)

