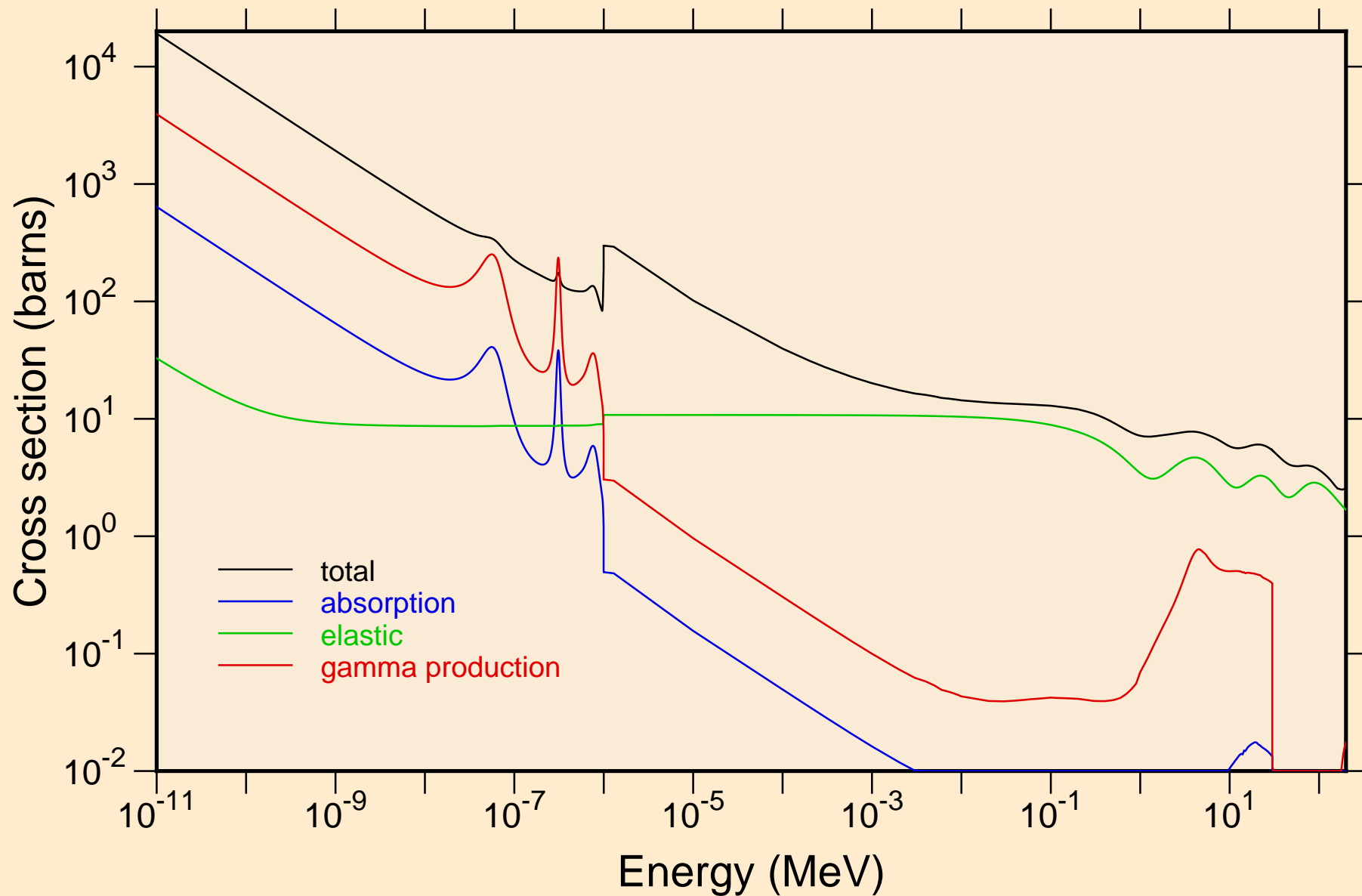
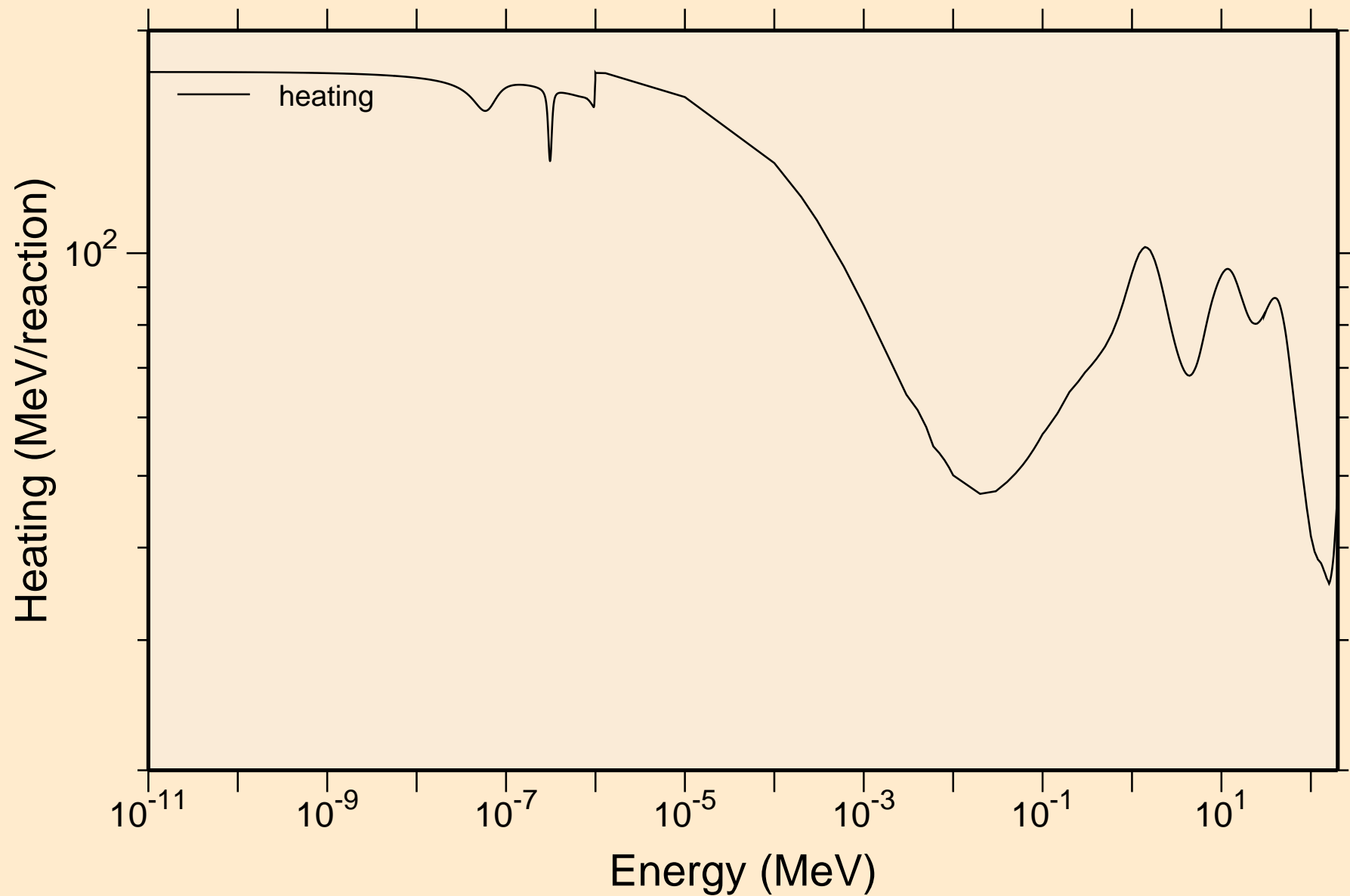


# ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

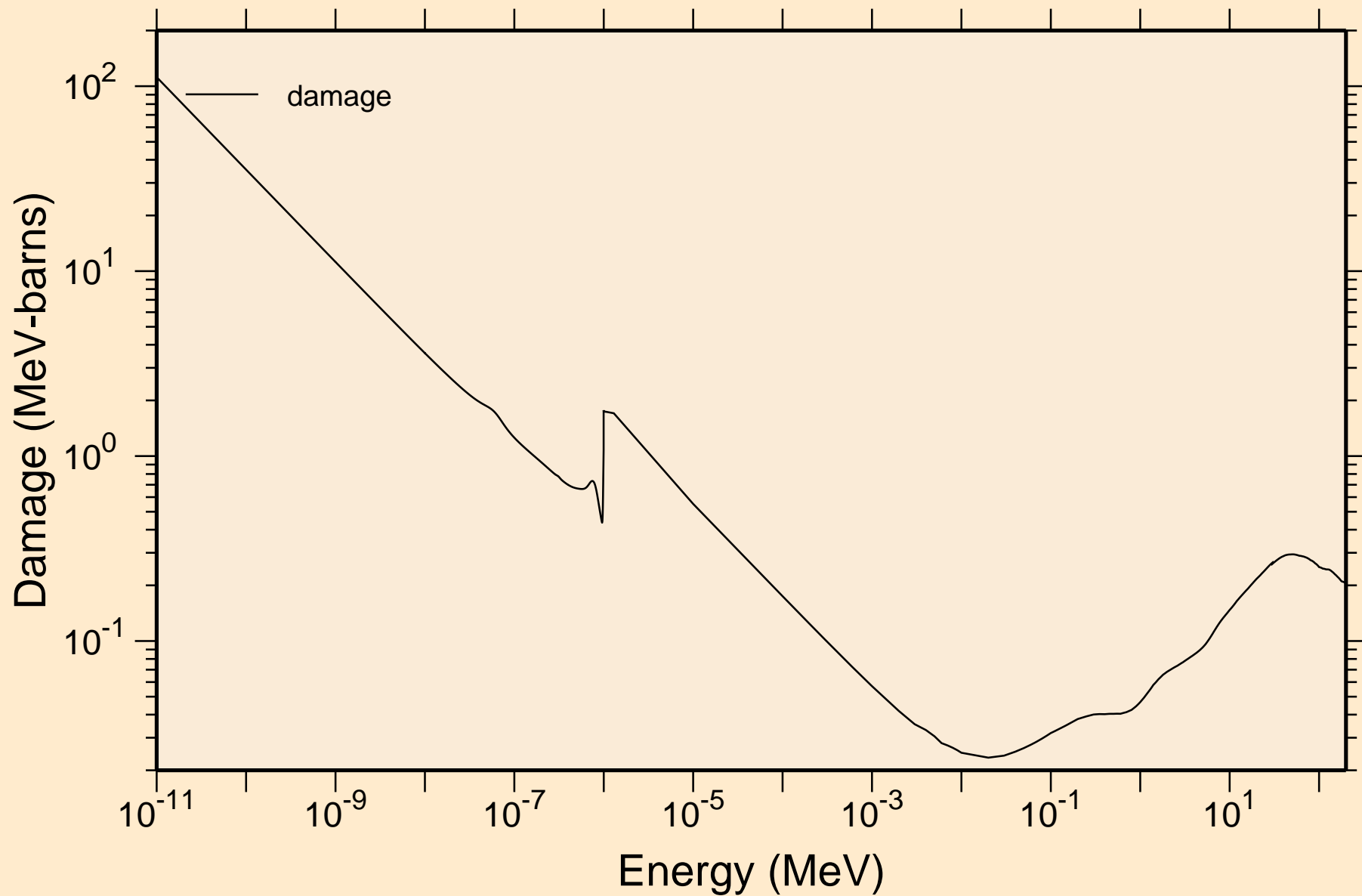
## Principal cross sections



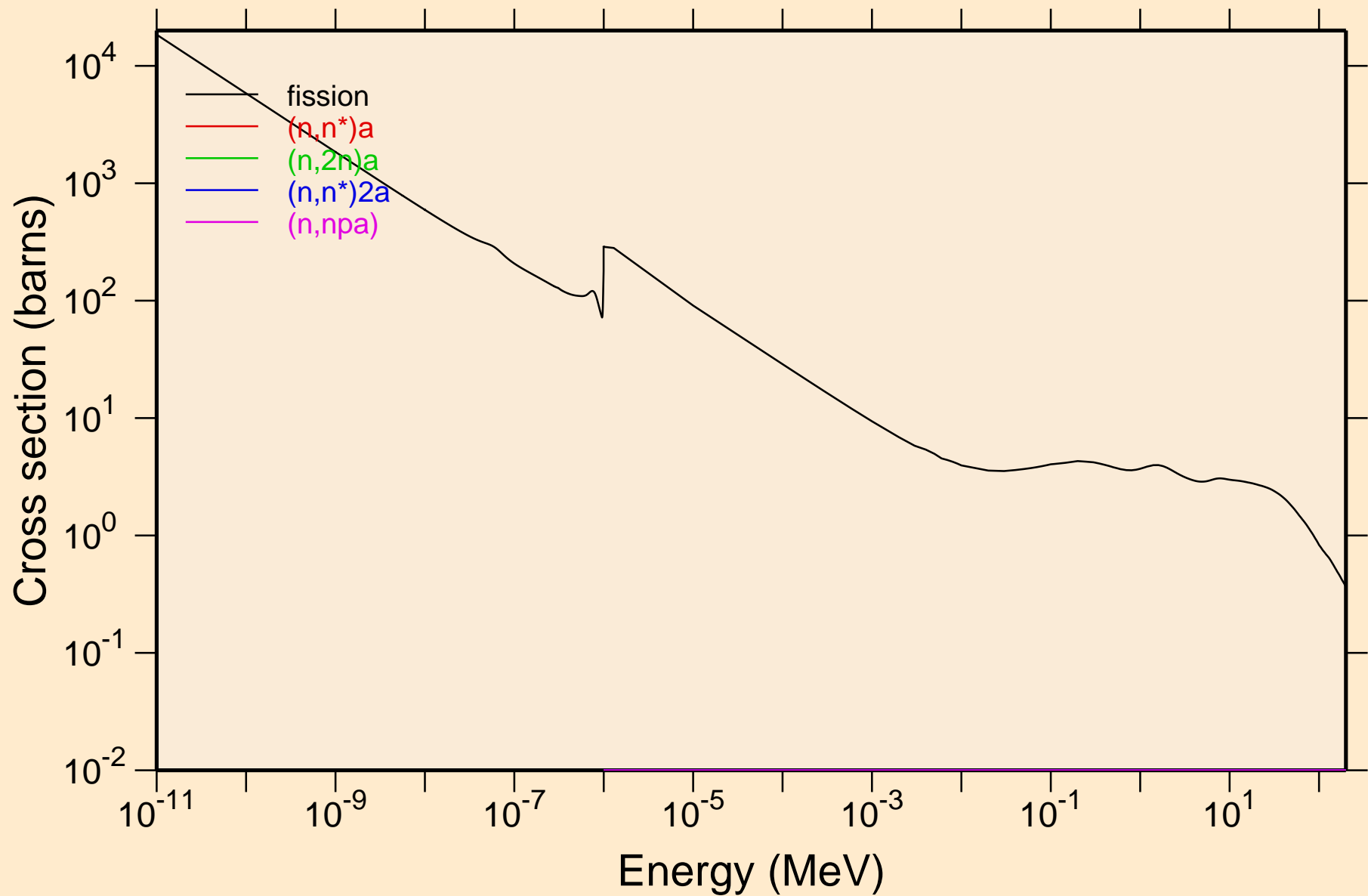
ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating



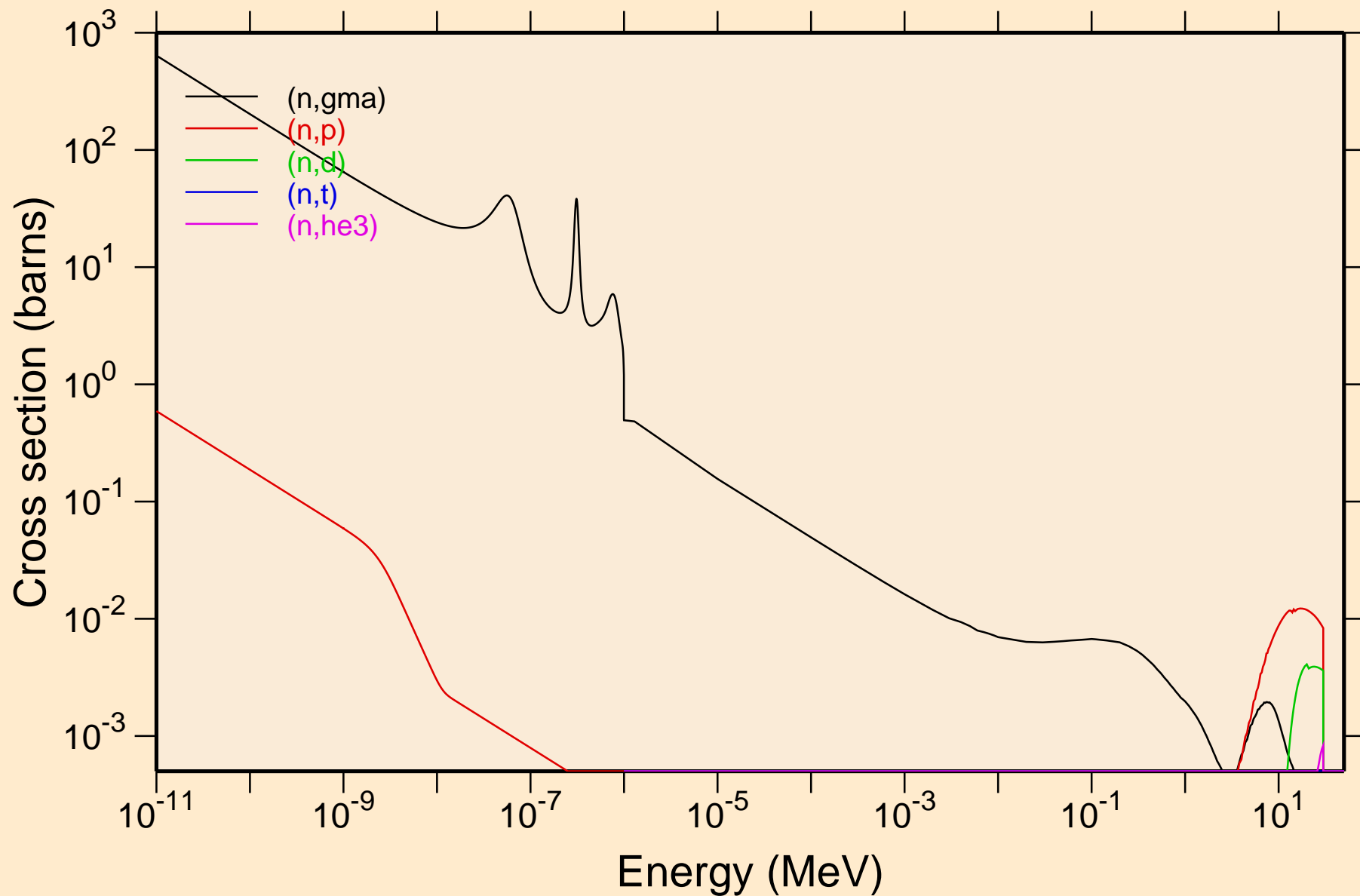
ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Damage



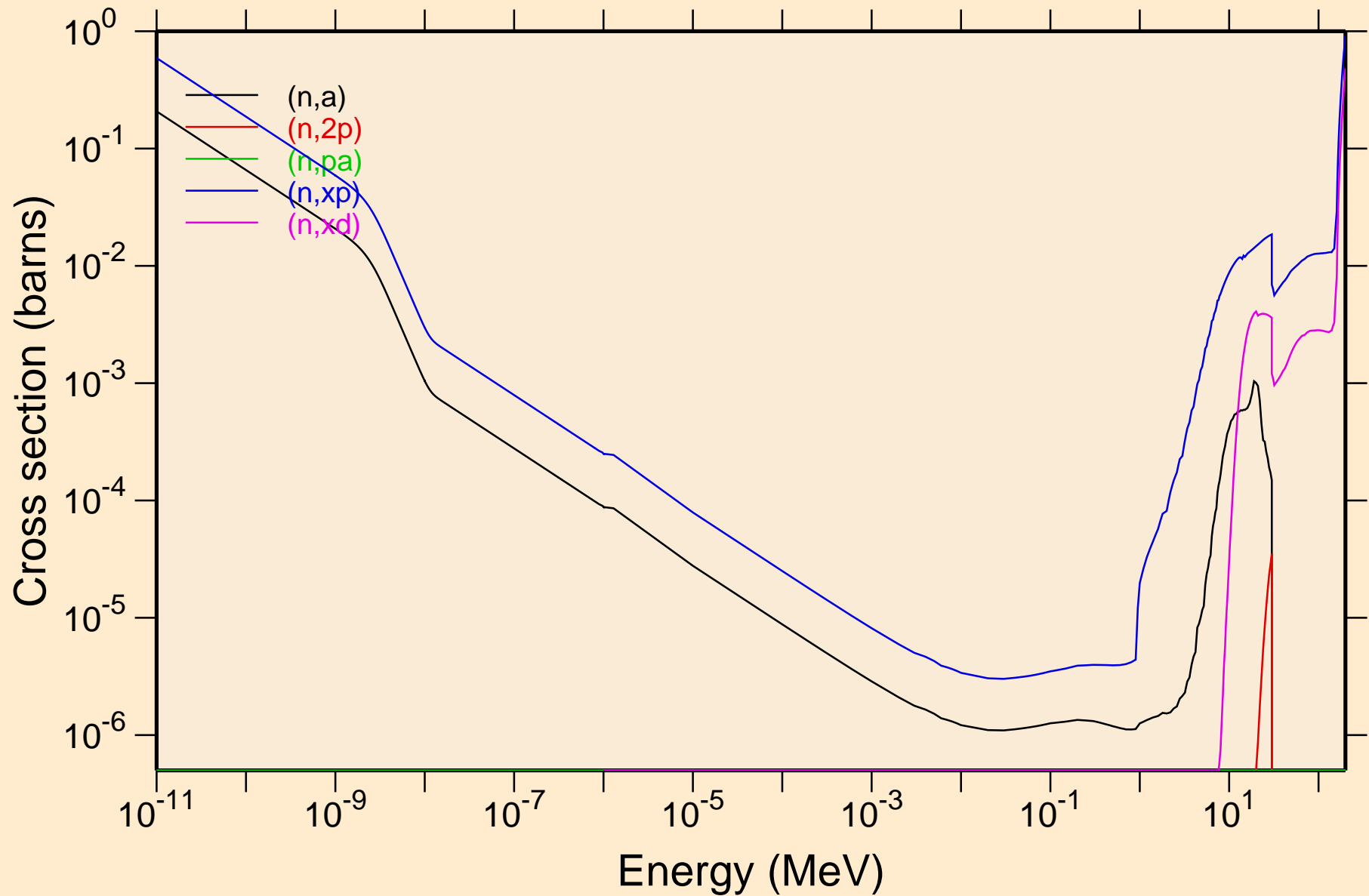
ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions



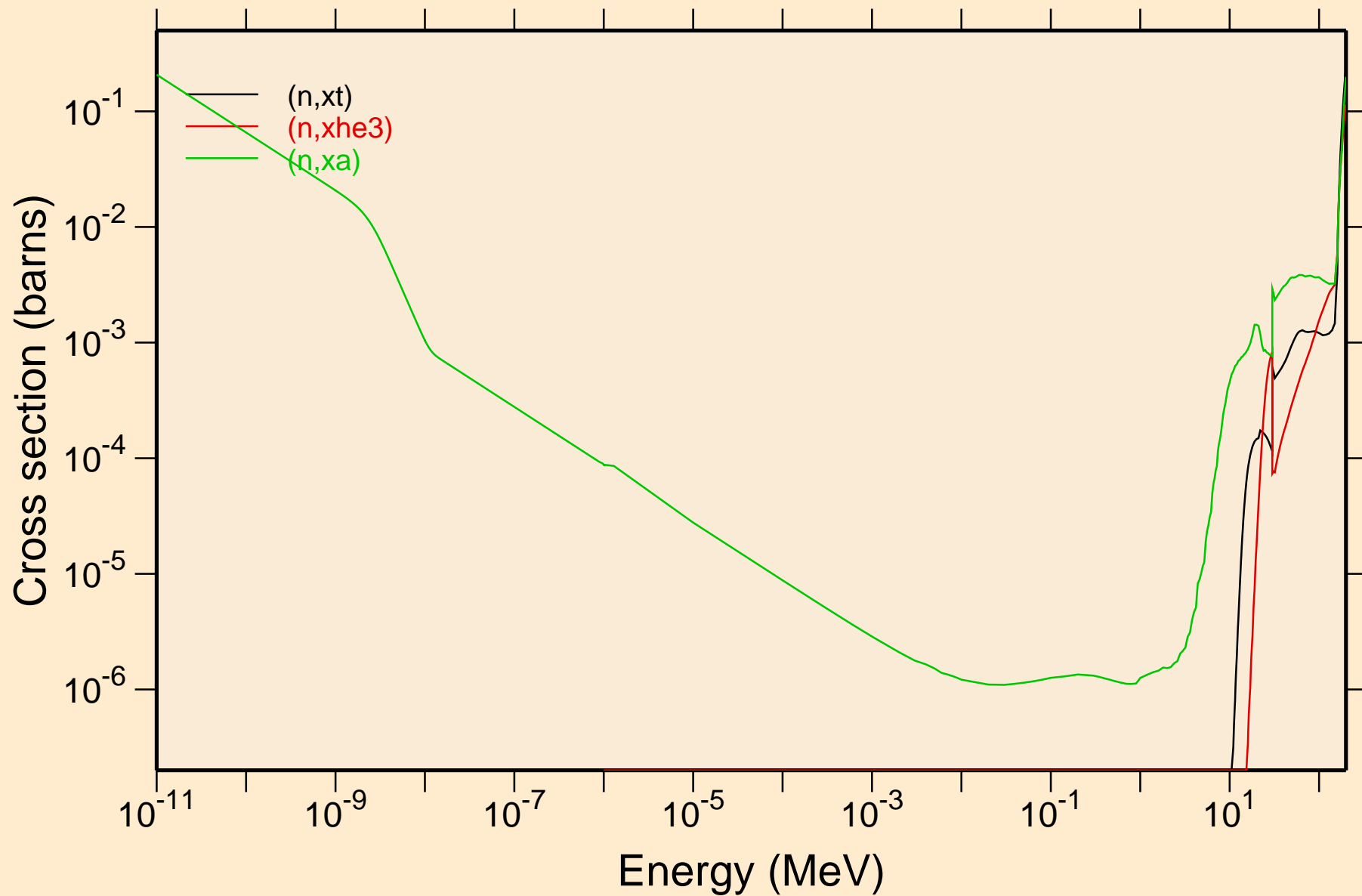
ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions



ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions

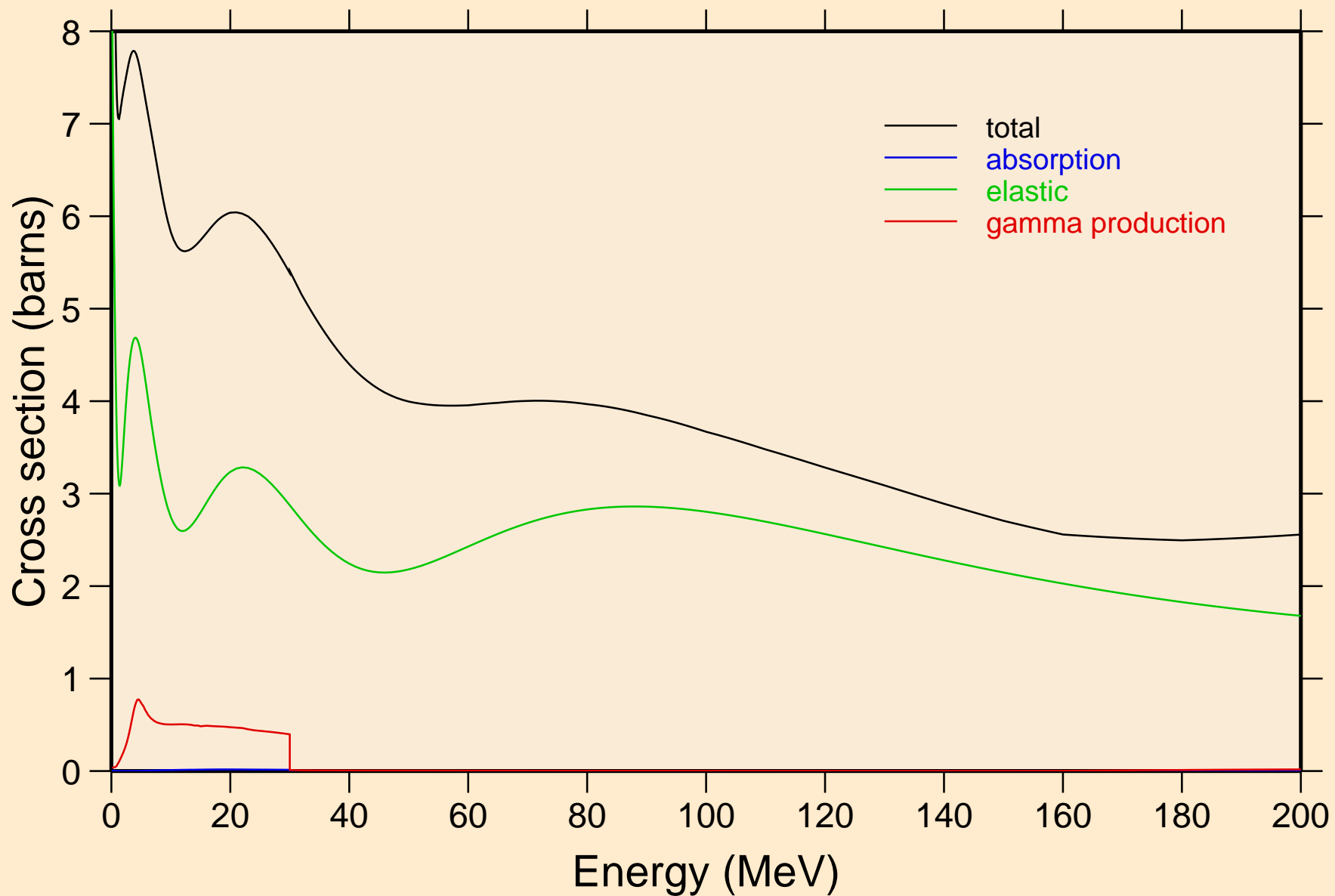


ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions



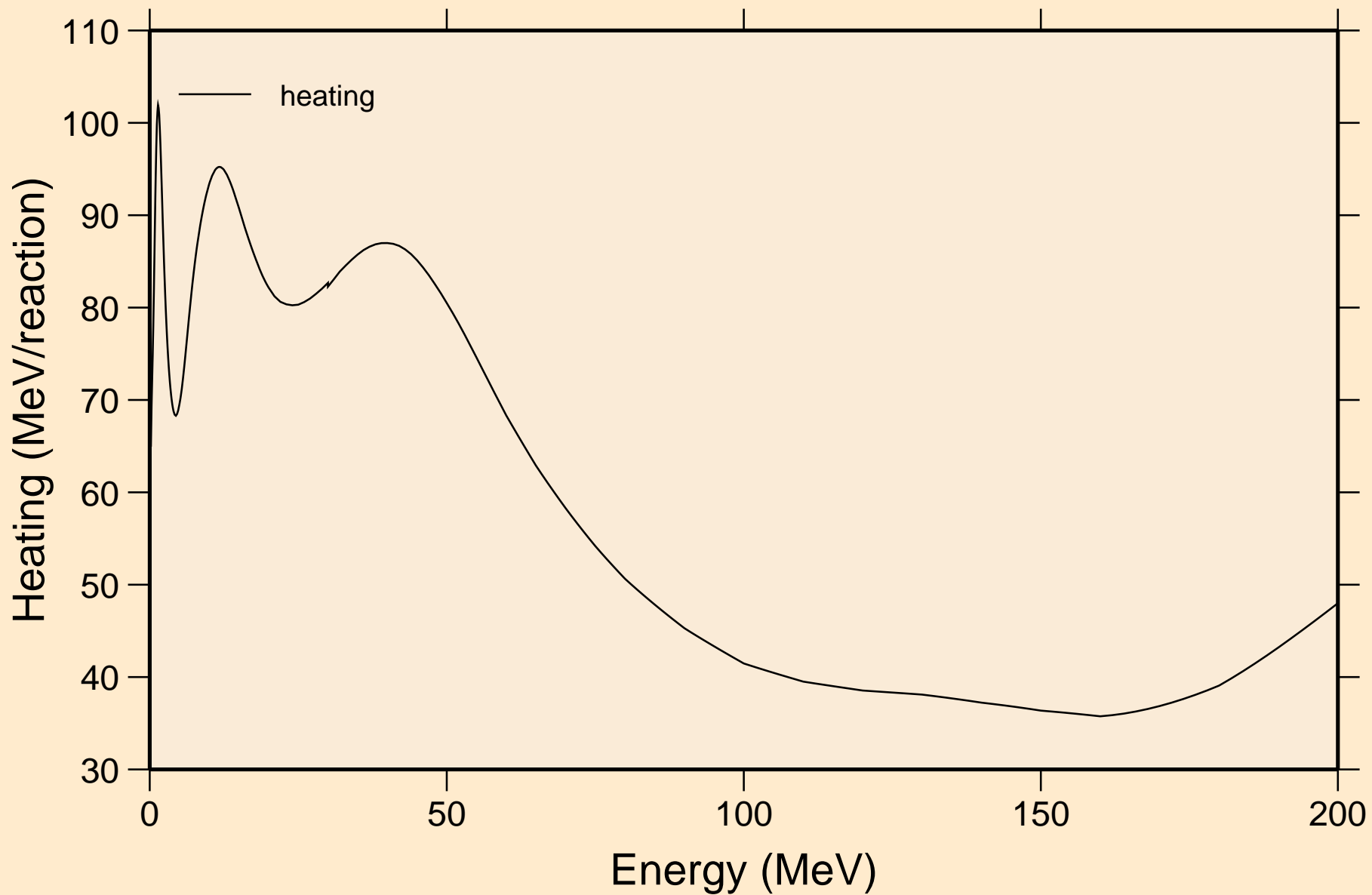
# ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Principal cross sections

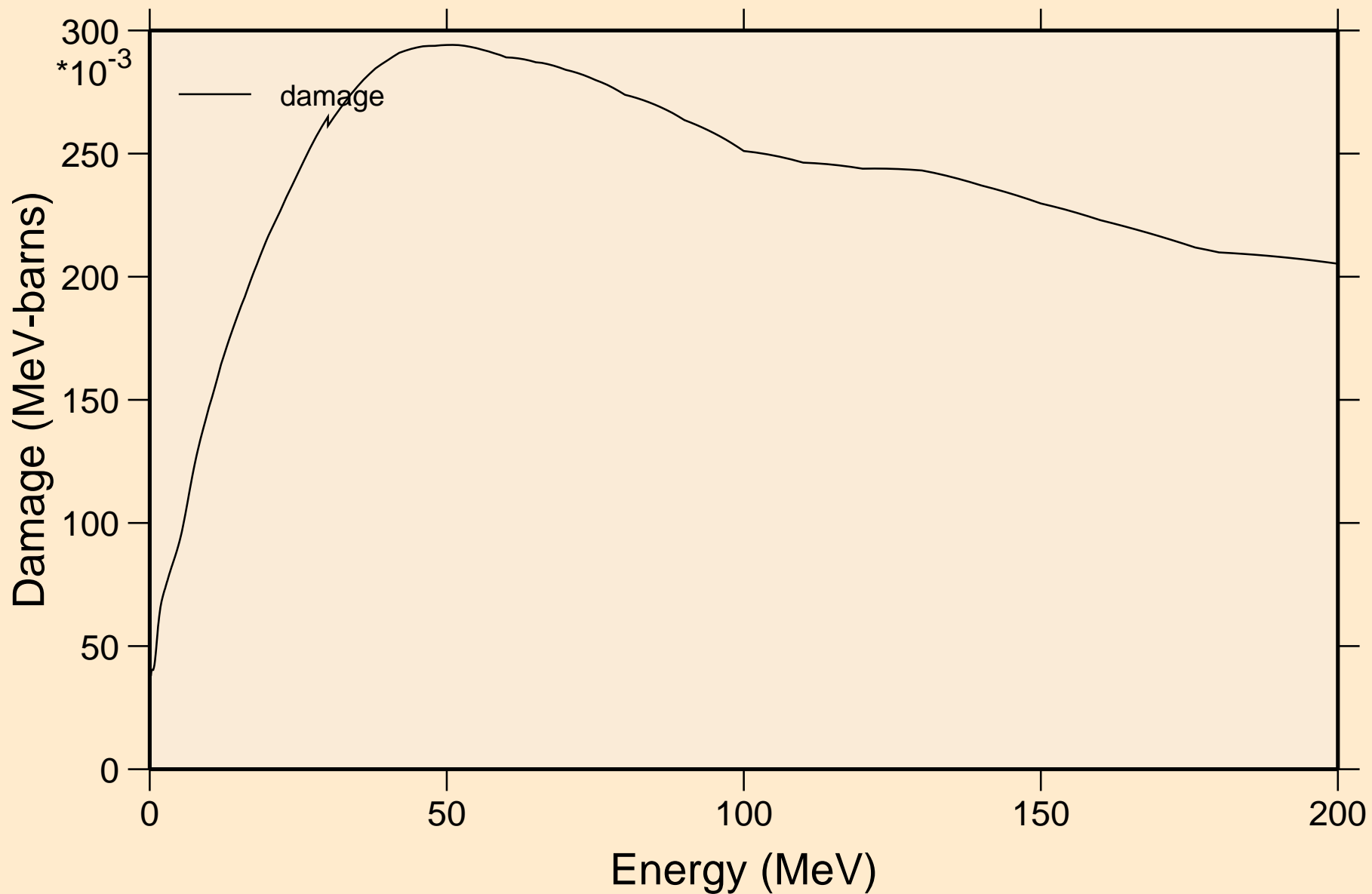




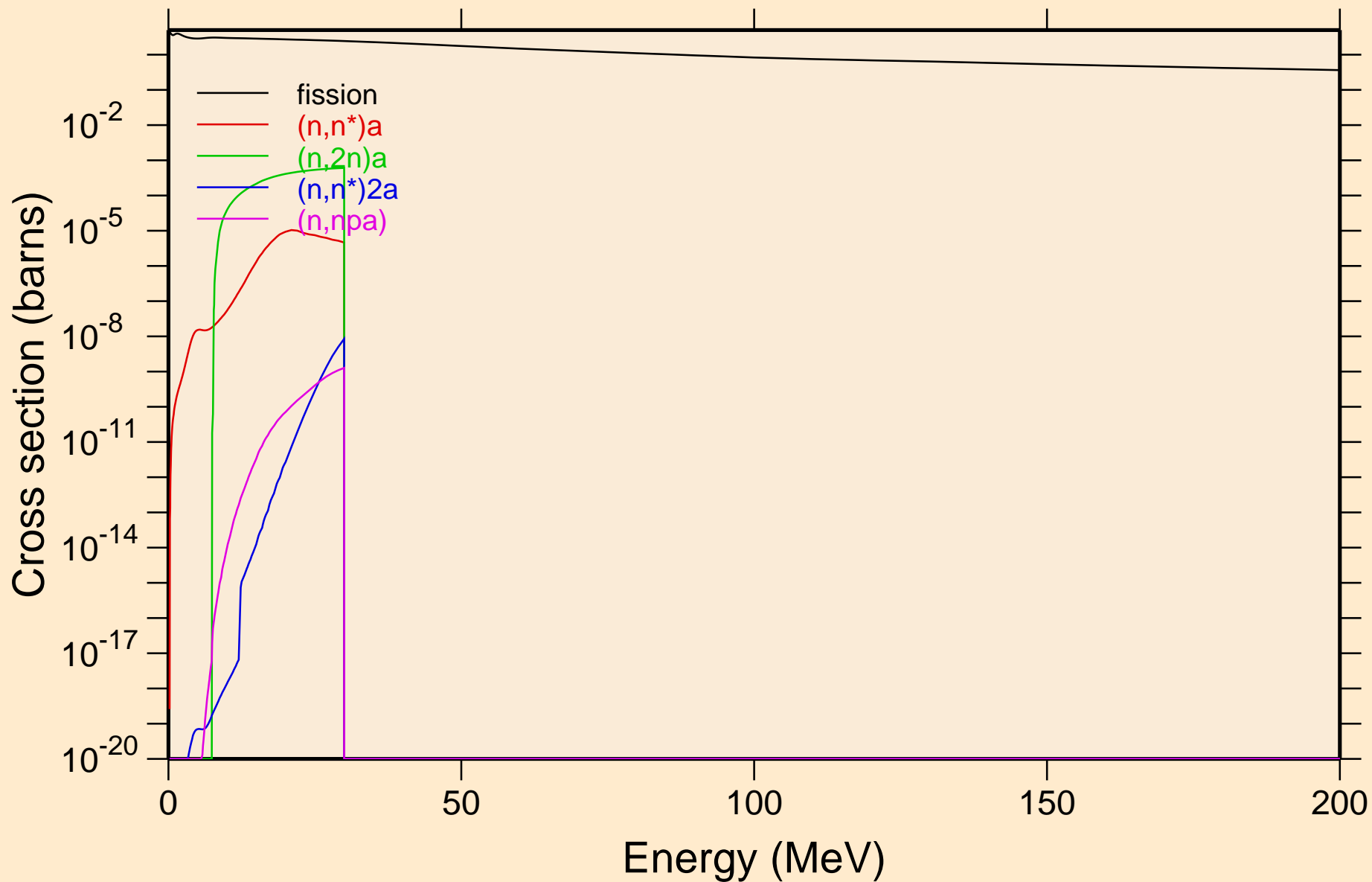
ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating



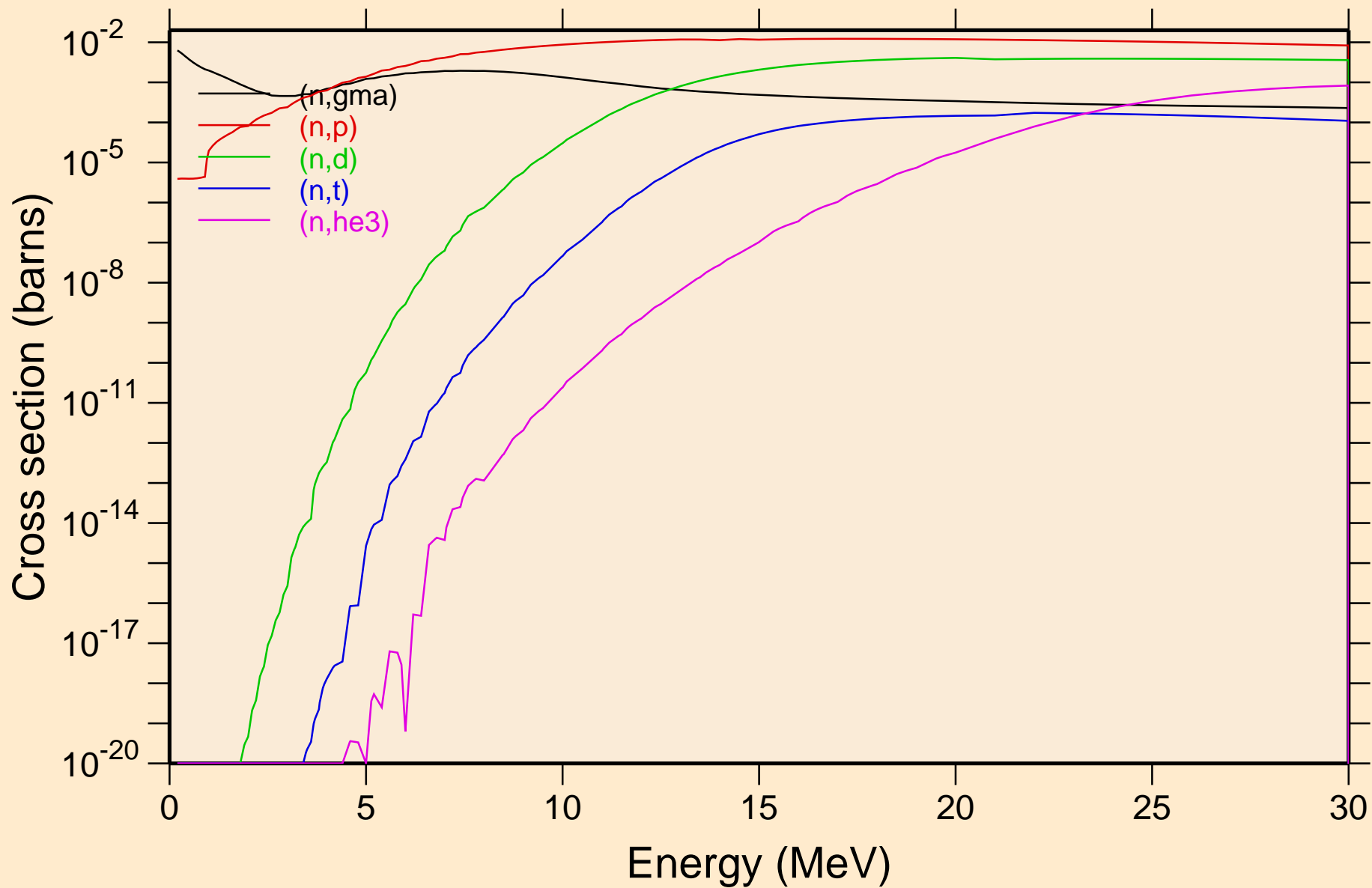
ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Damage



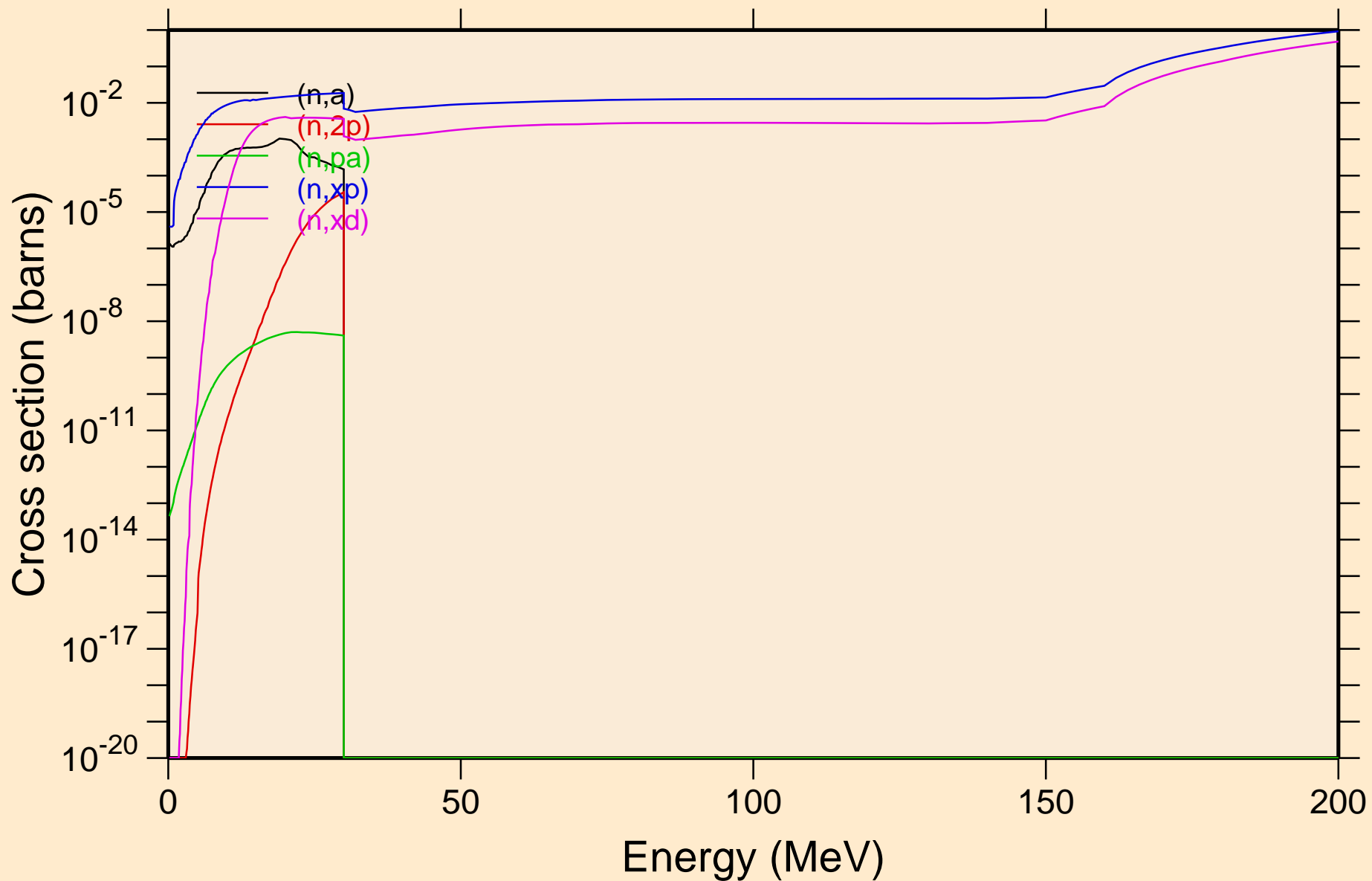
ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions



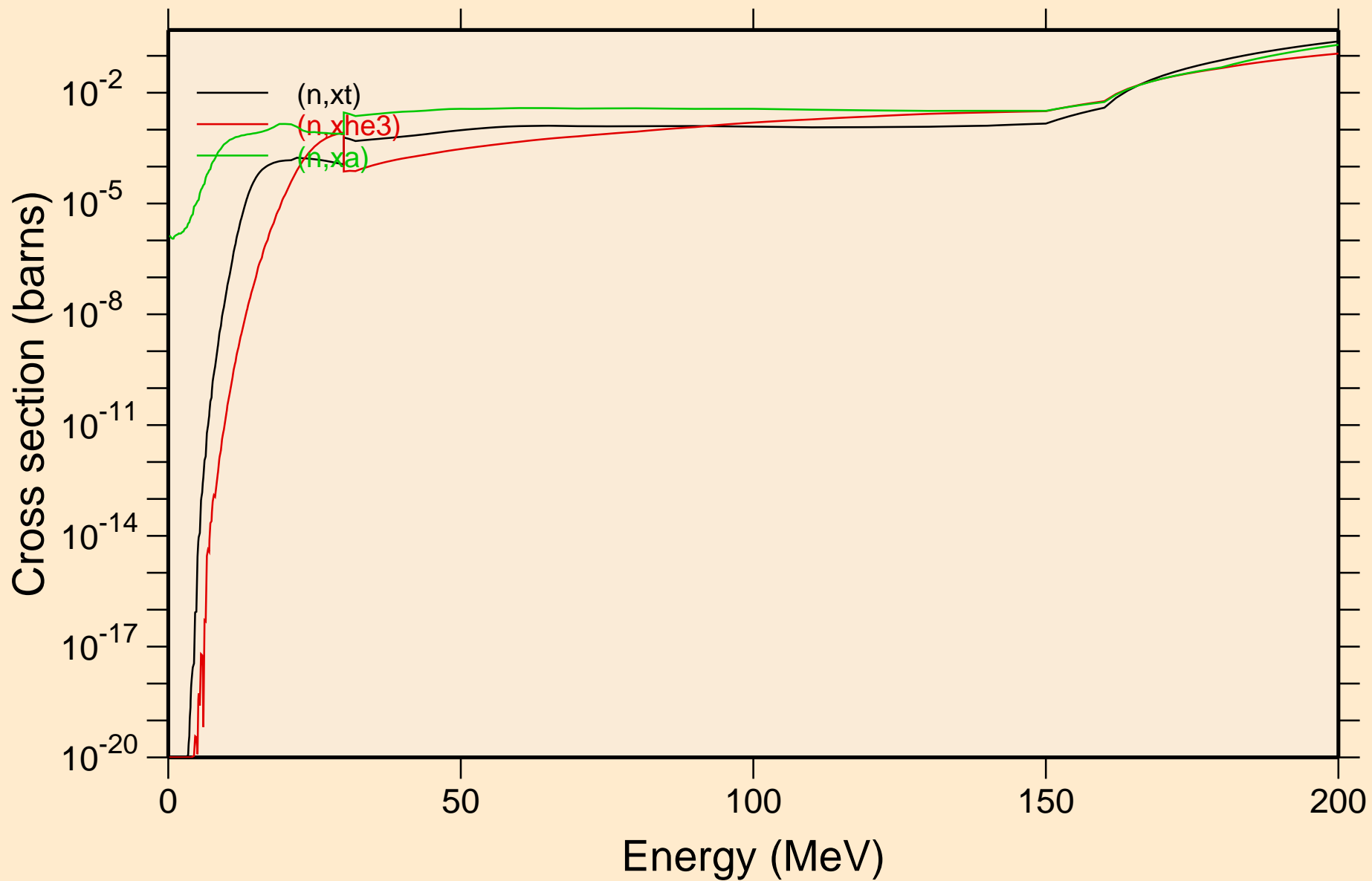
ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions



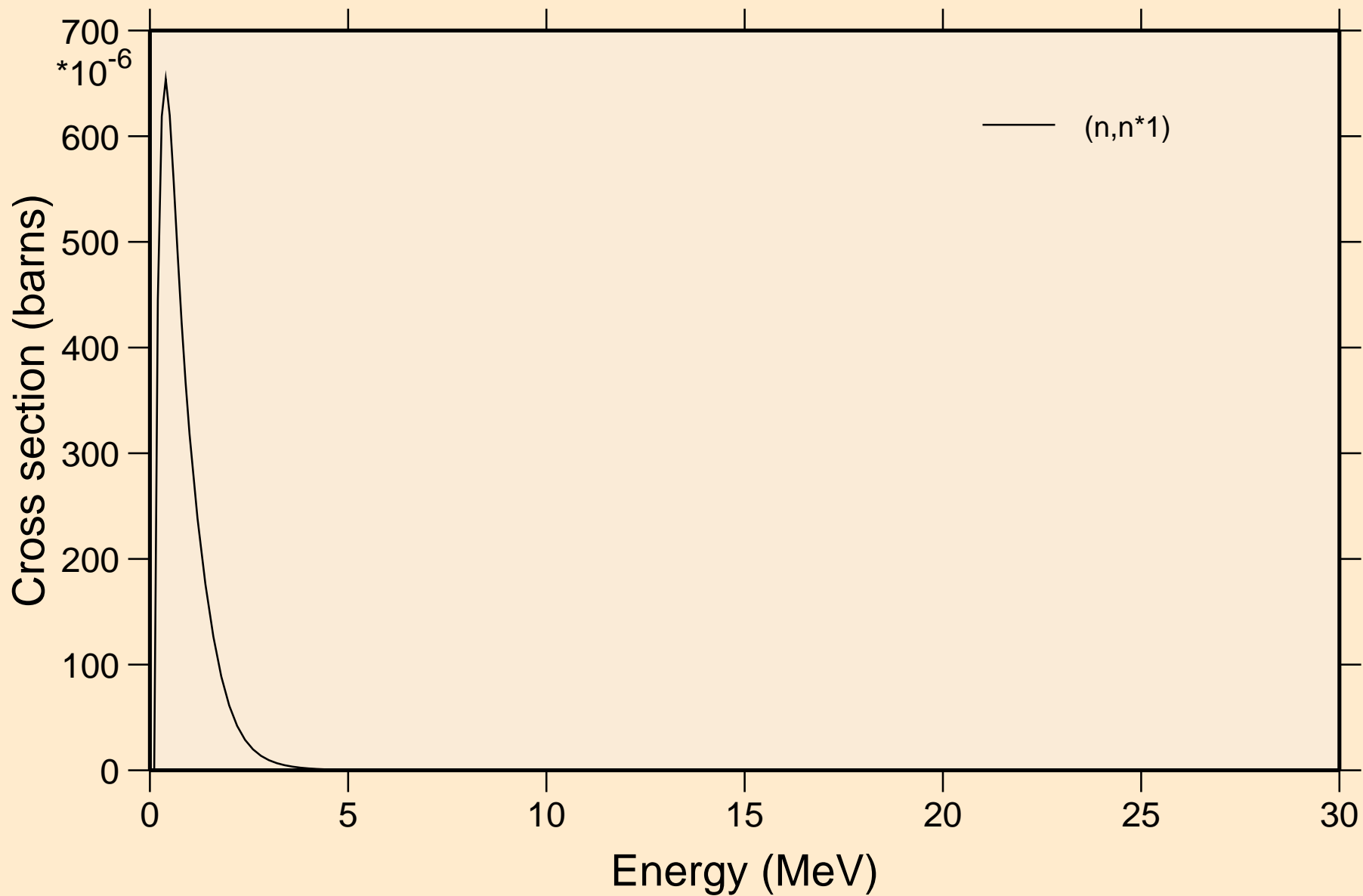
ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions



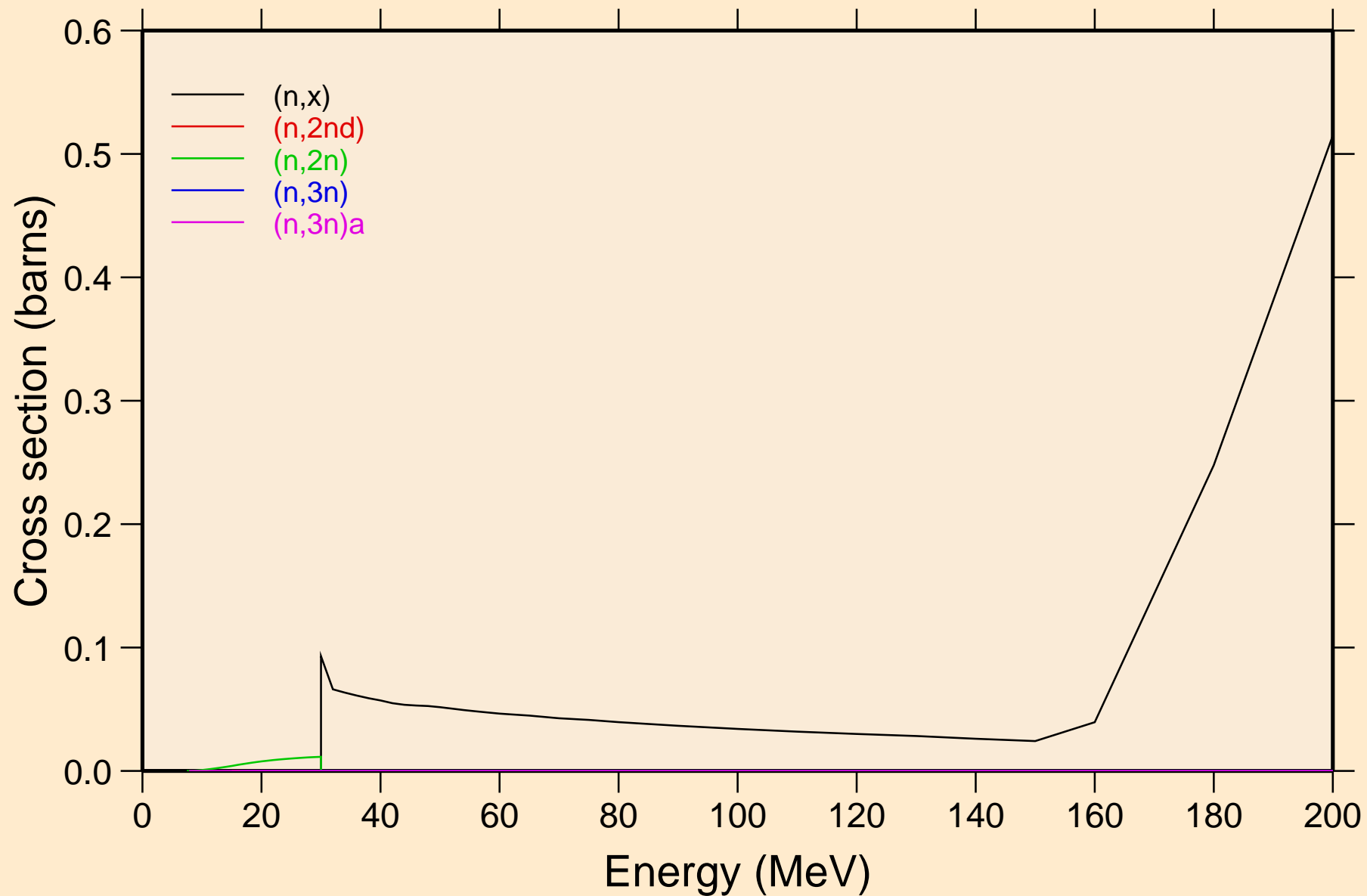
ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions



ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels

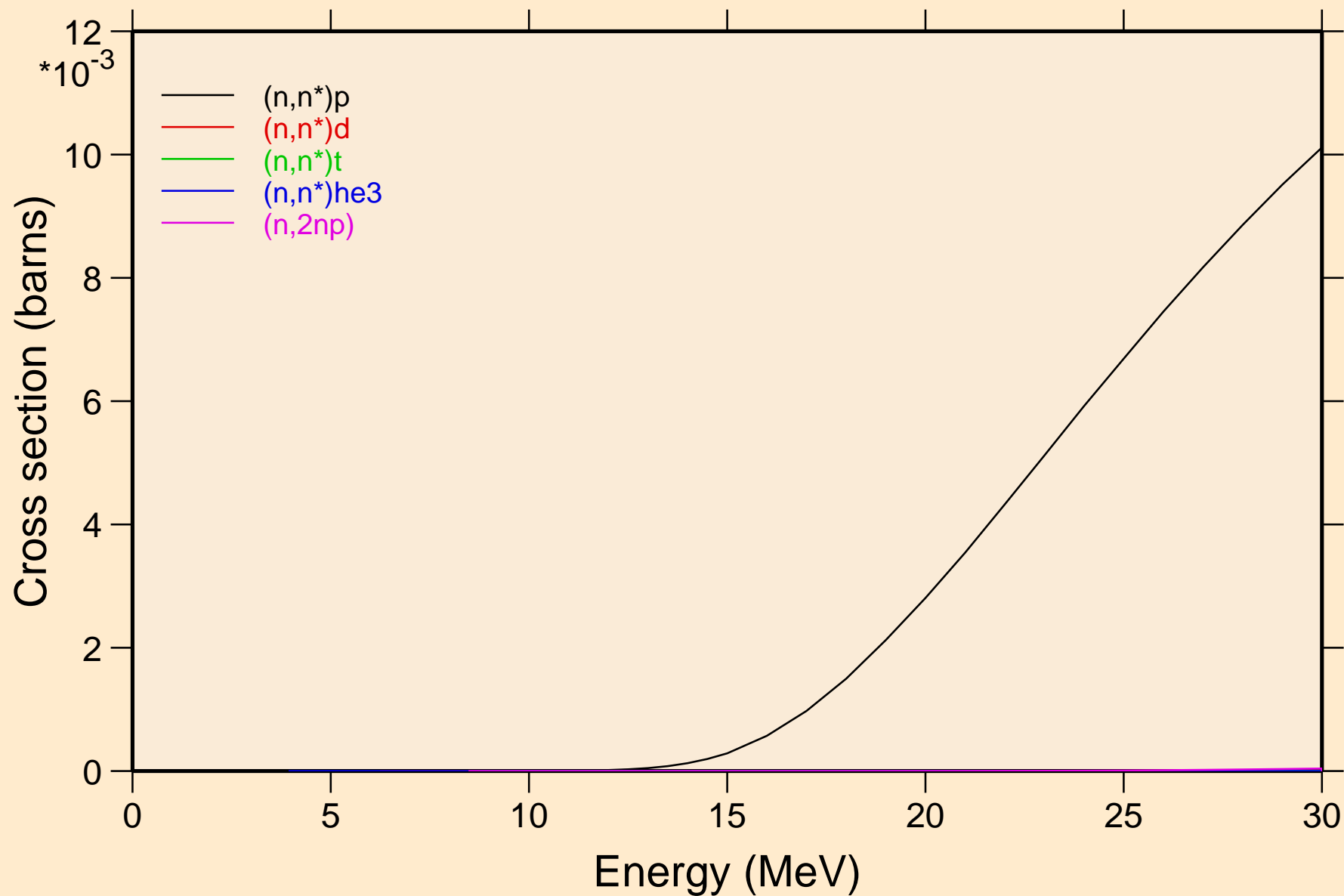


ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

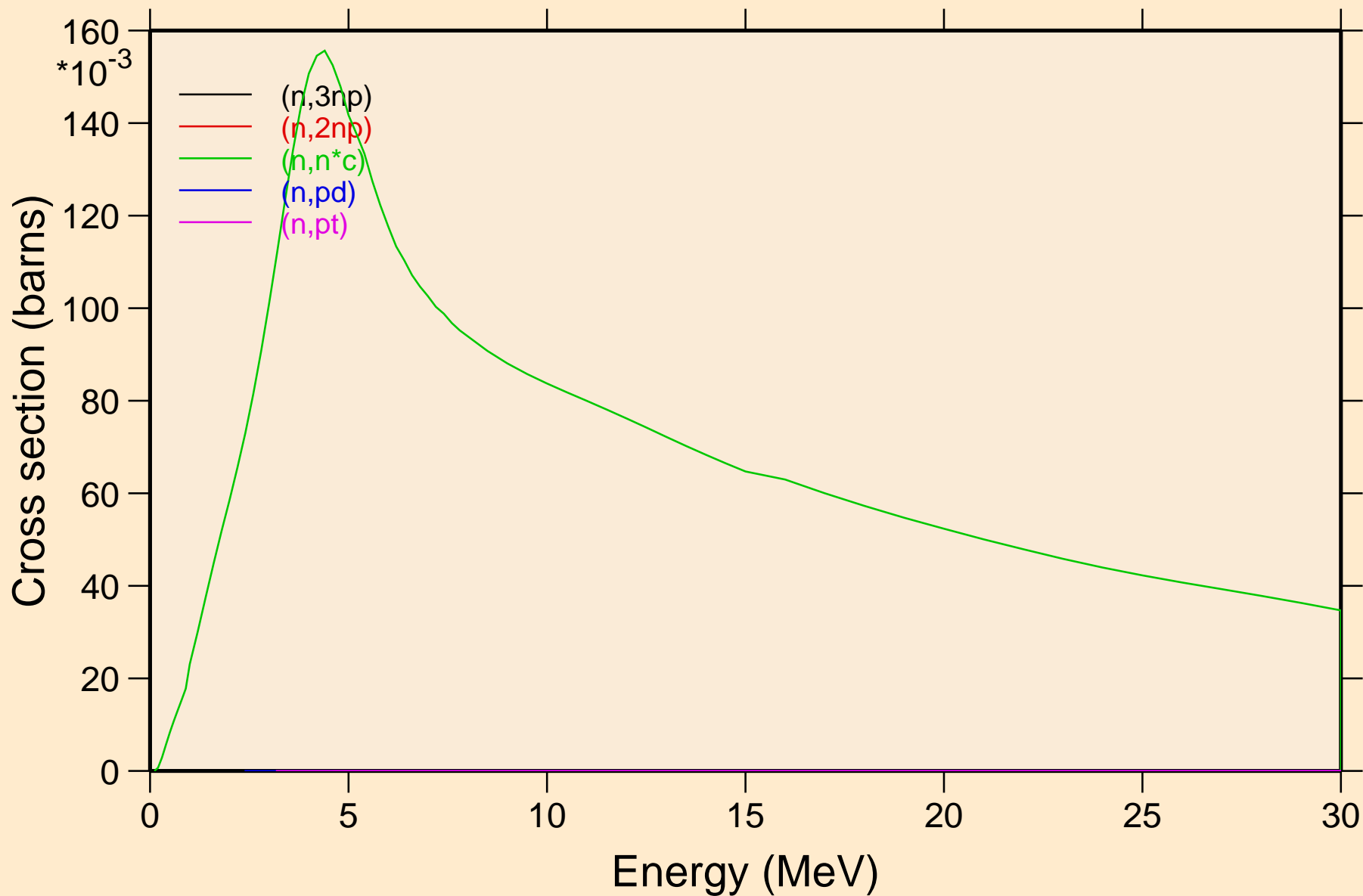




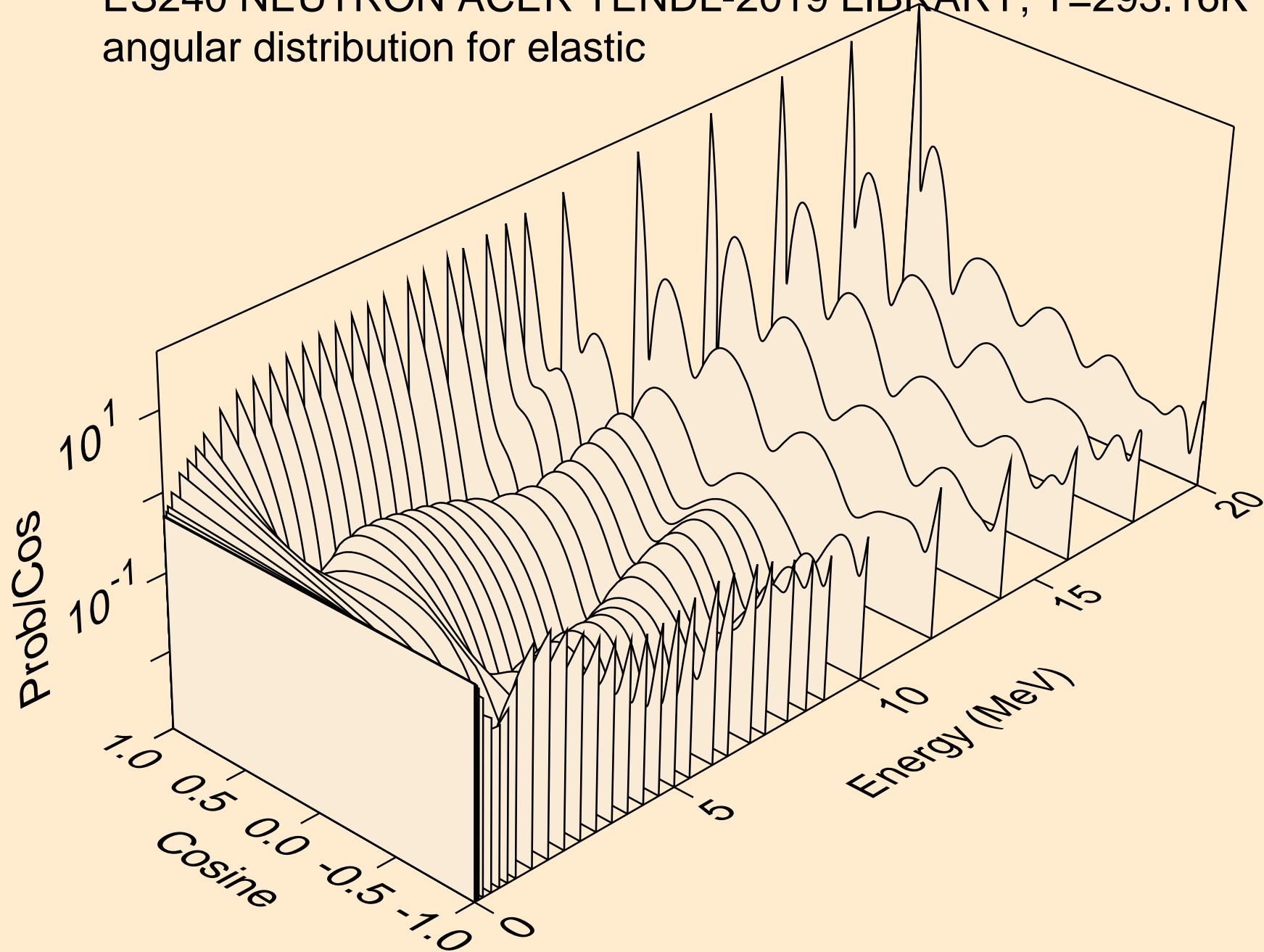
ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



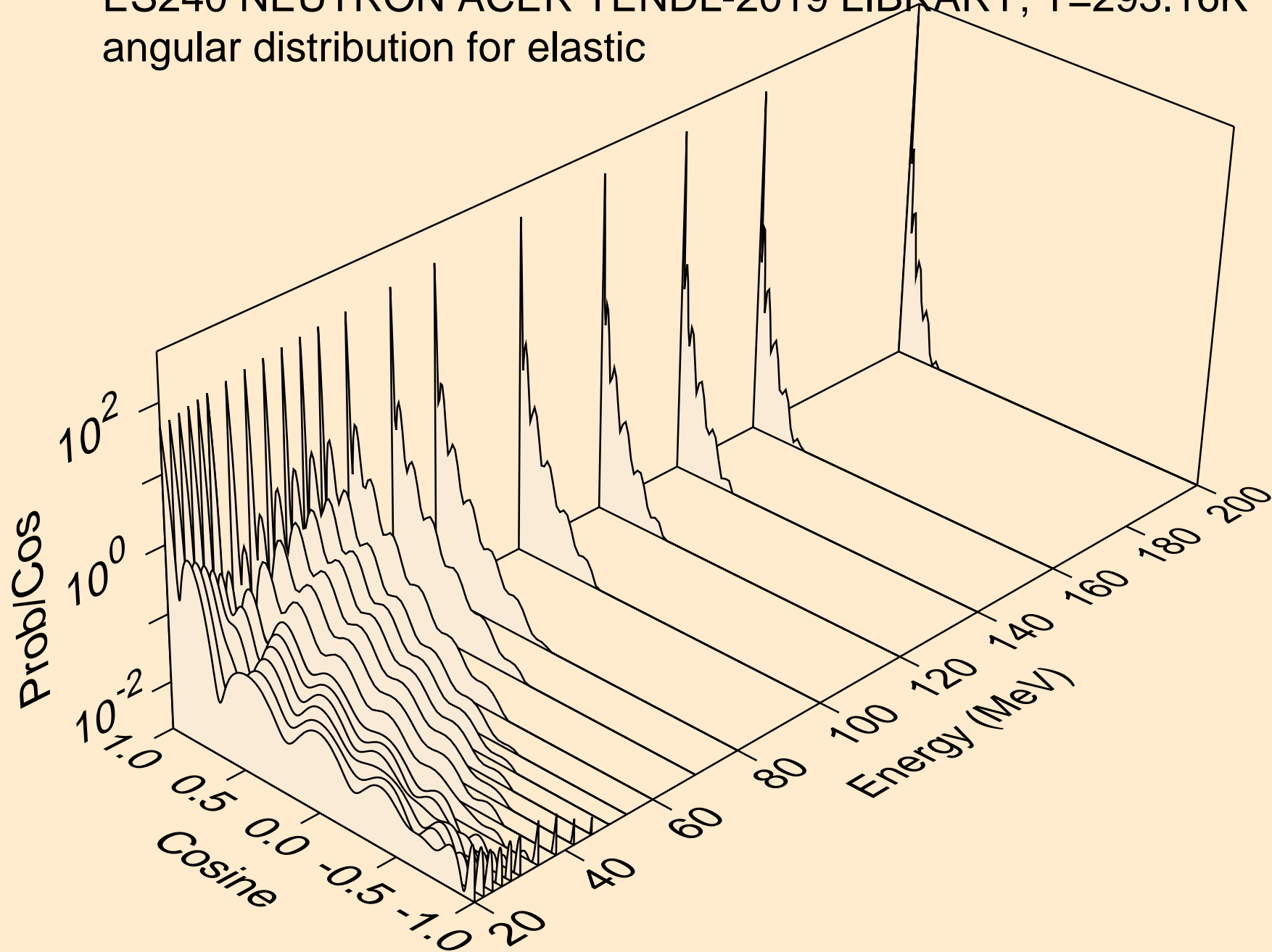
ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



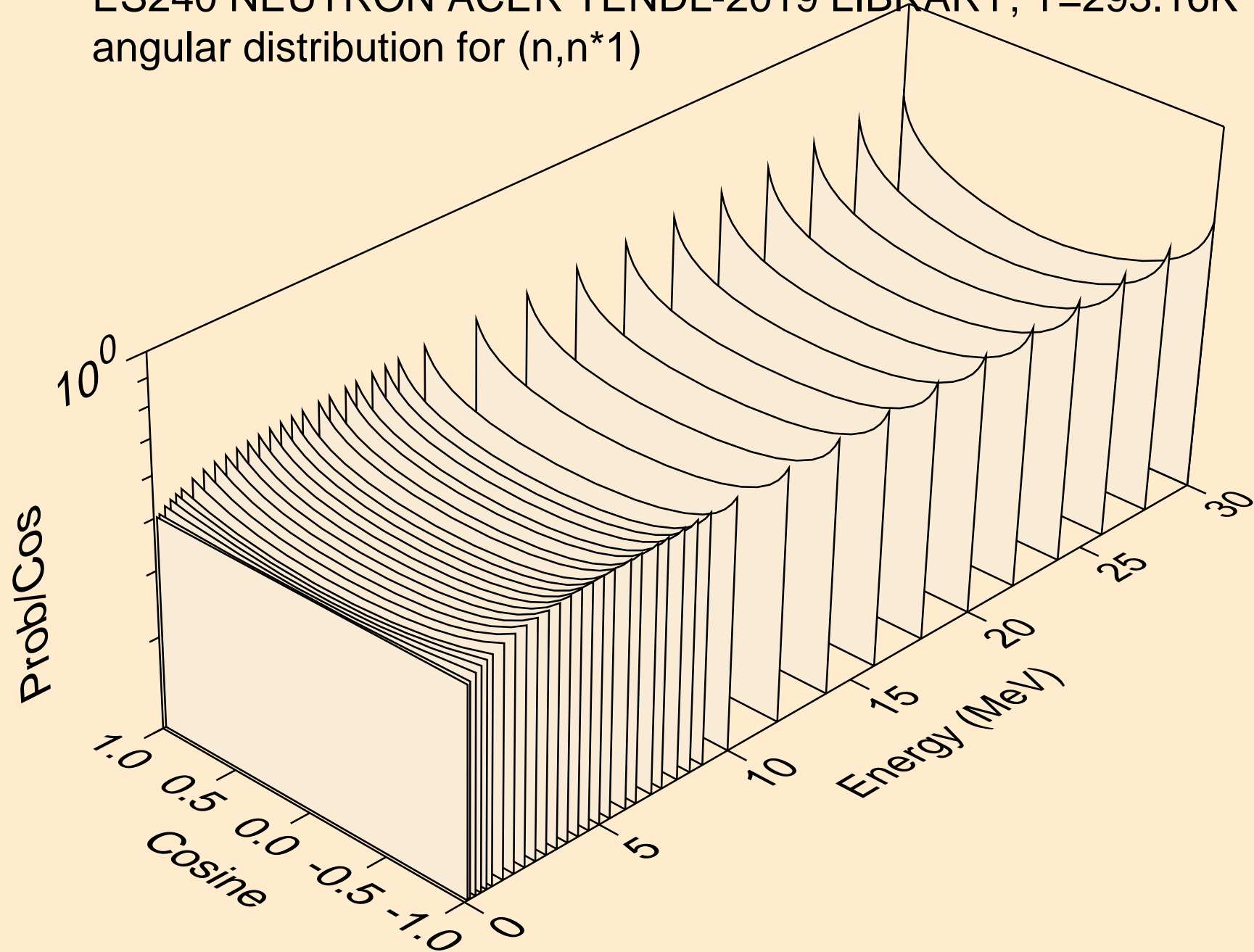
ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic



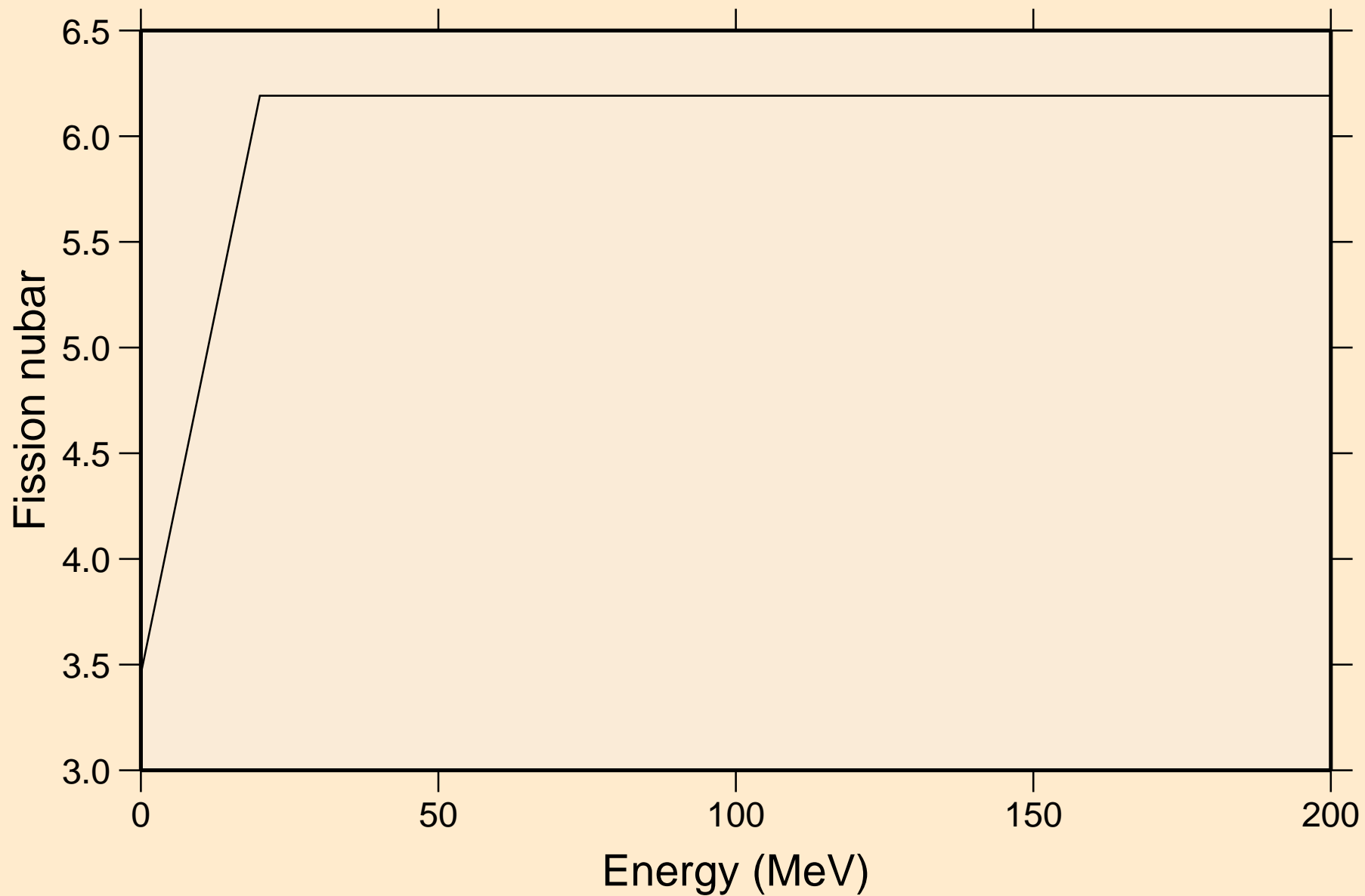
ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic



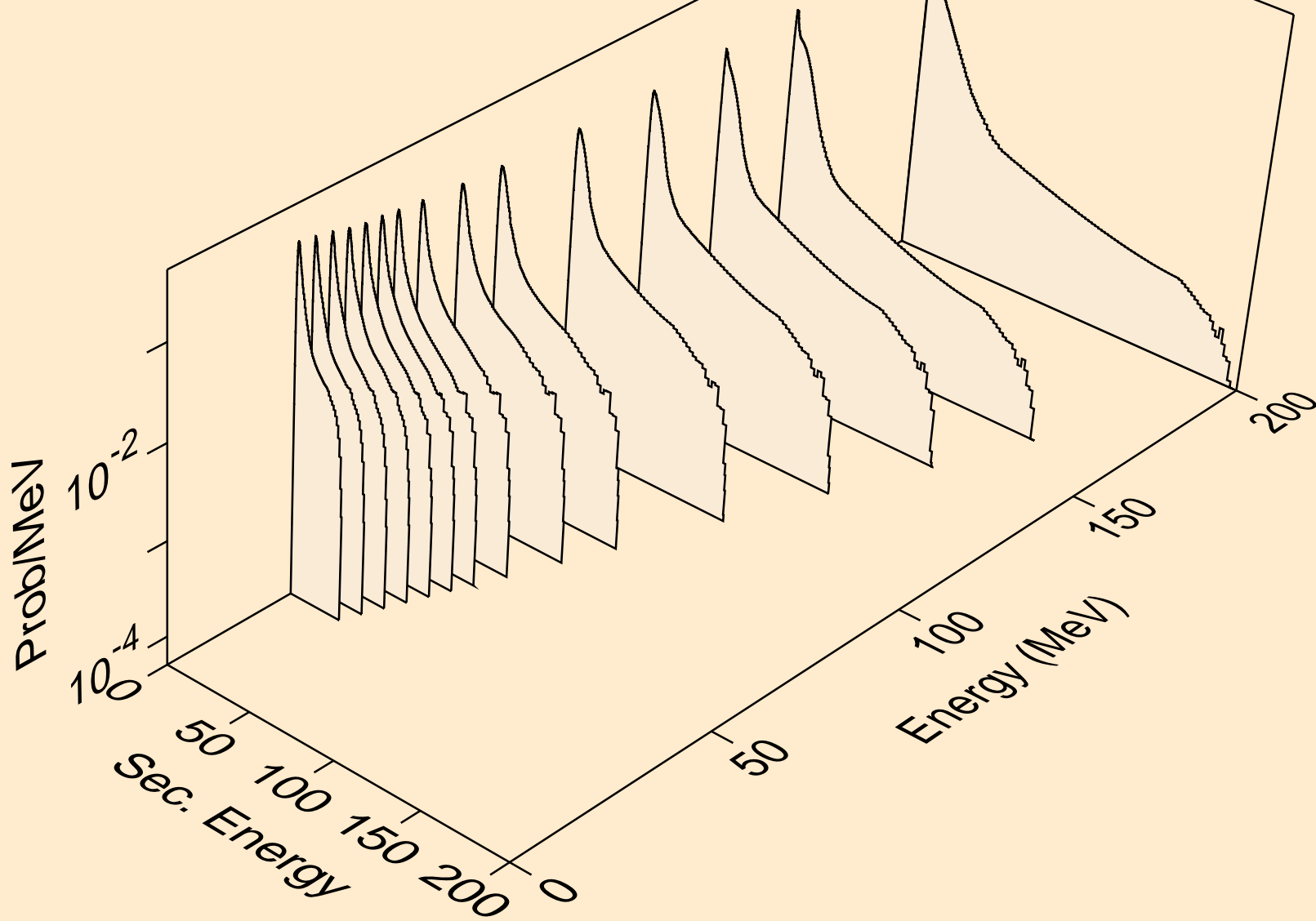
ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*1)



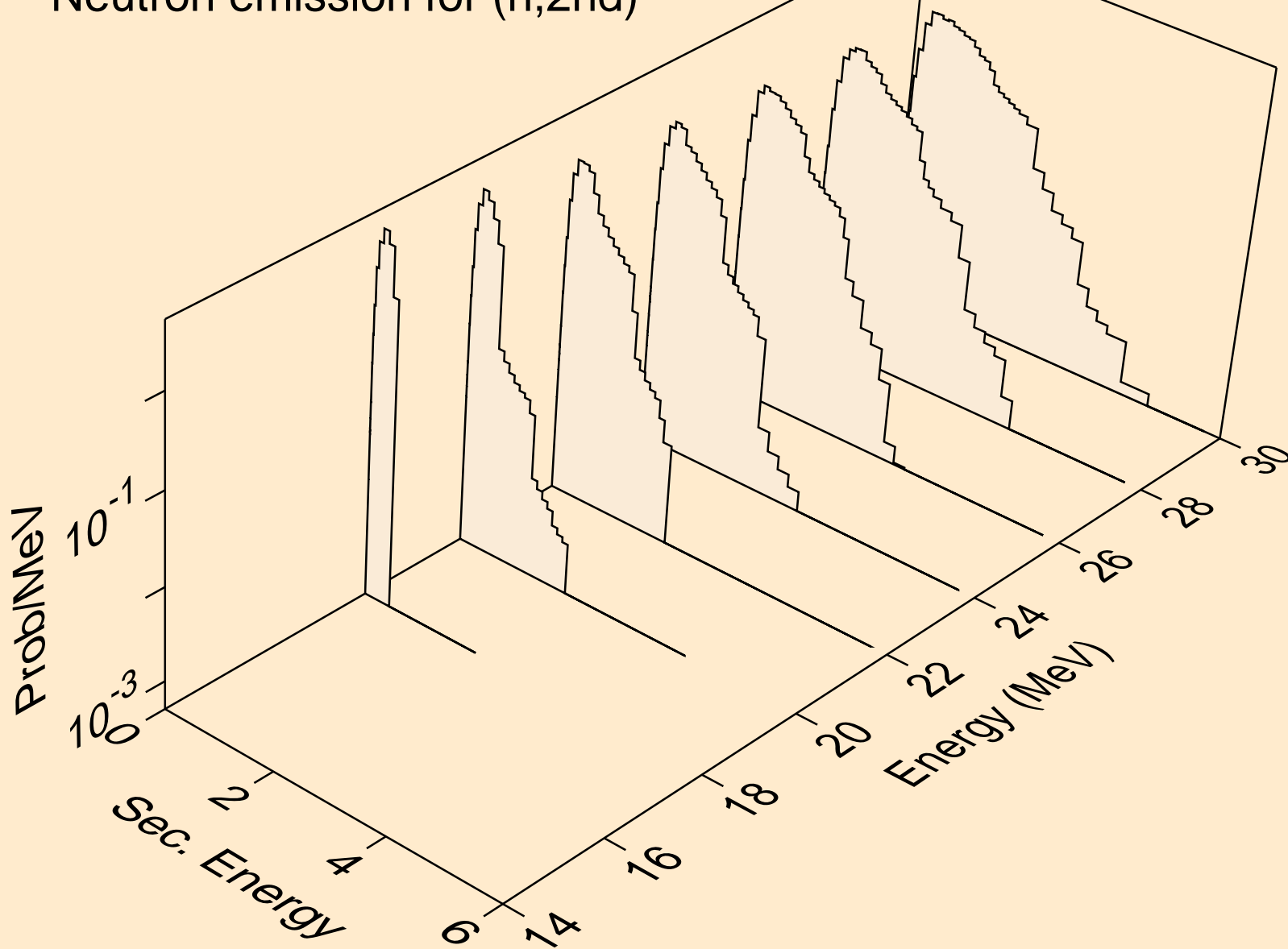
ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Total fission nubar



ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,x)

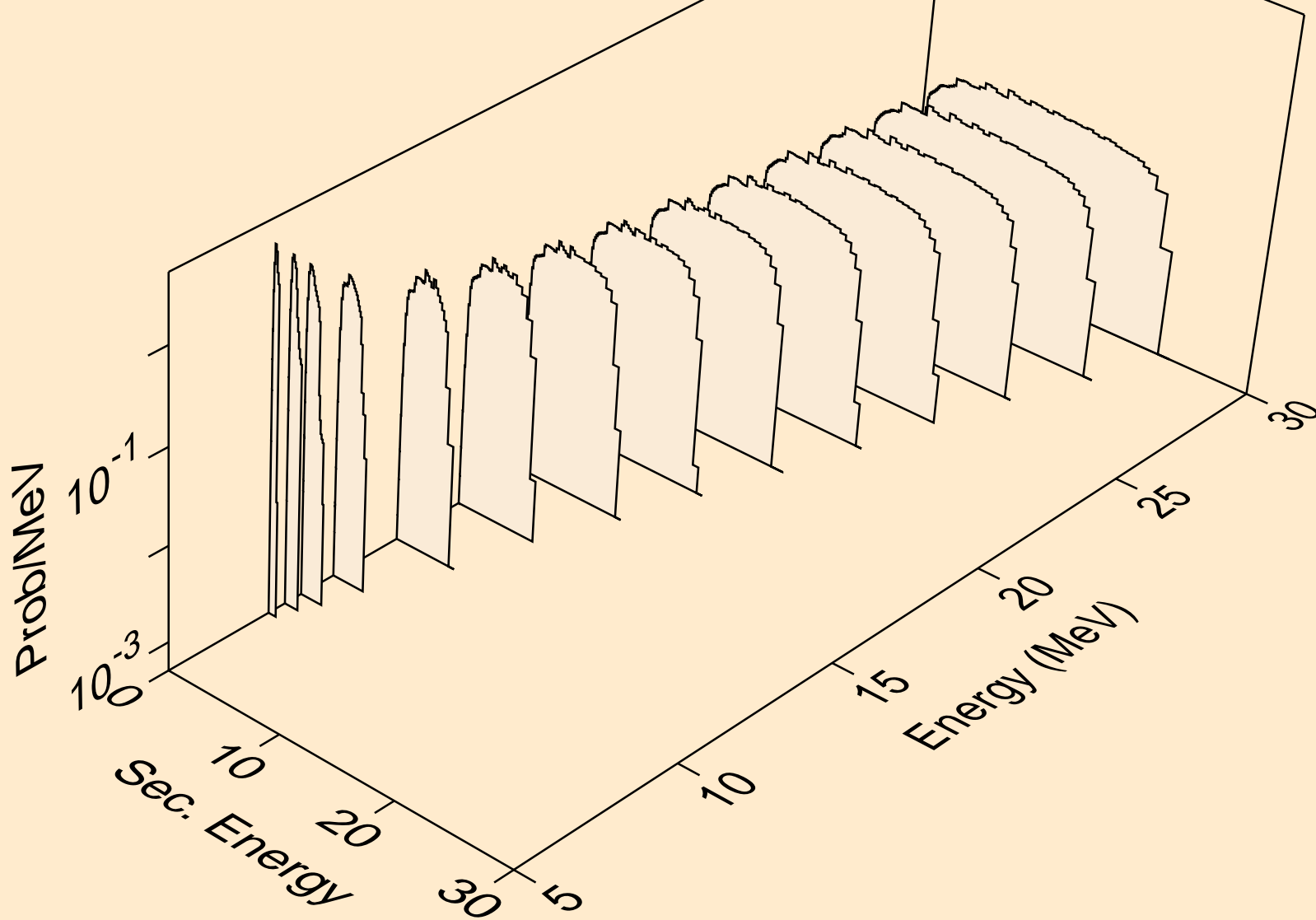


ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2nd)

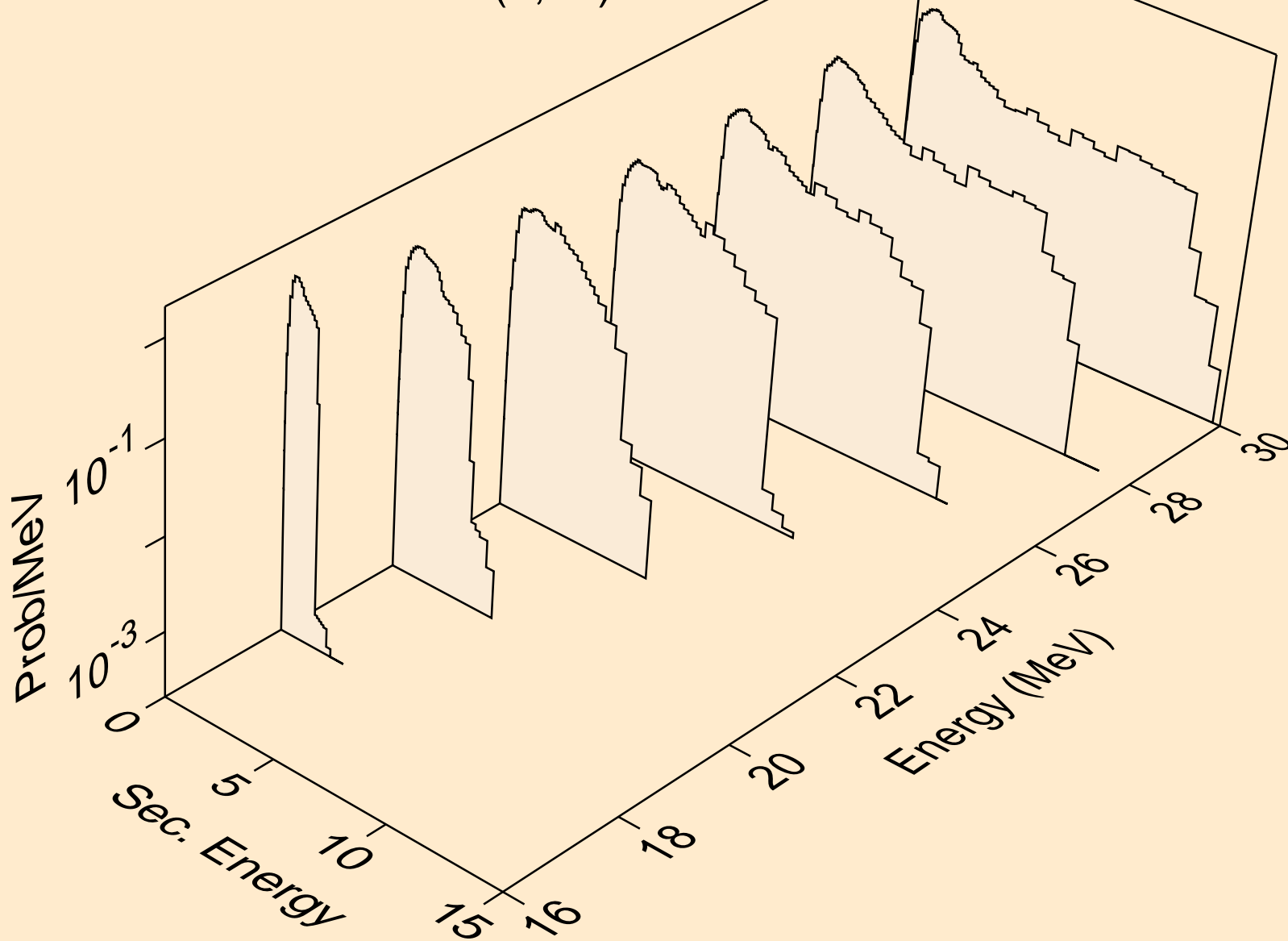




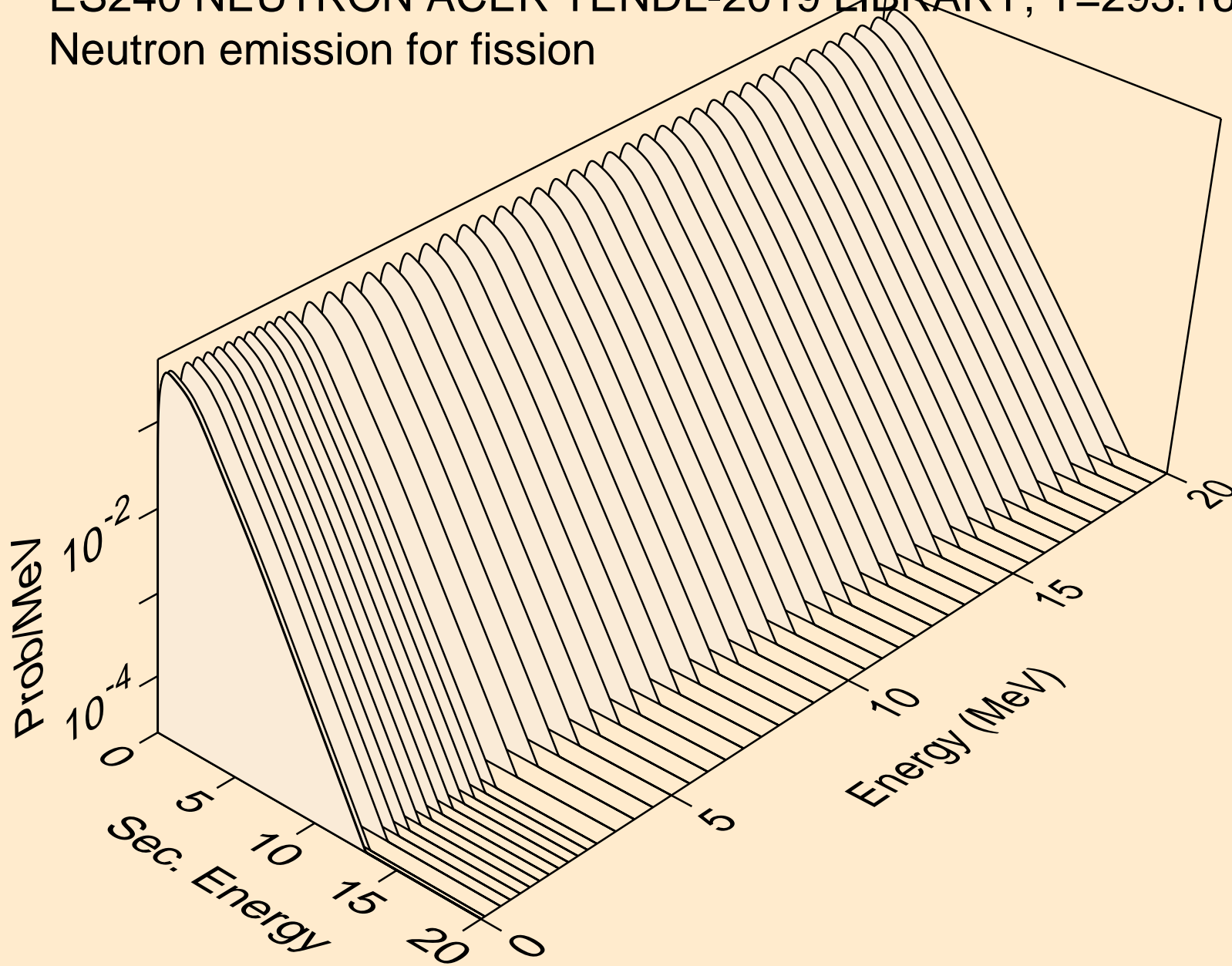
ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)



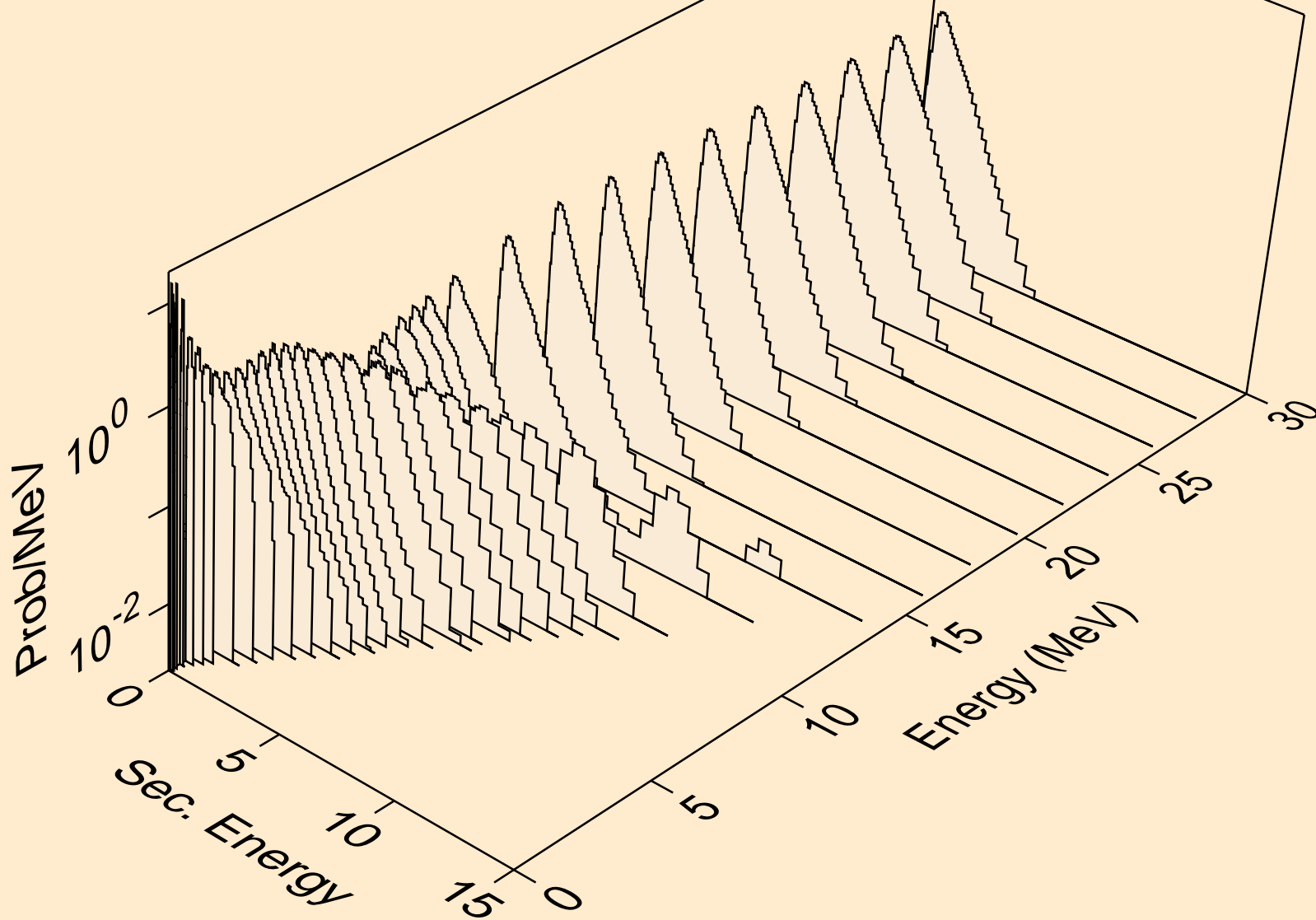
ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)



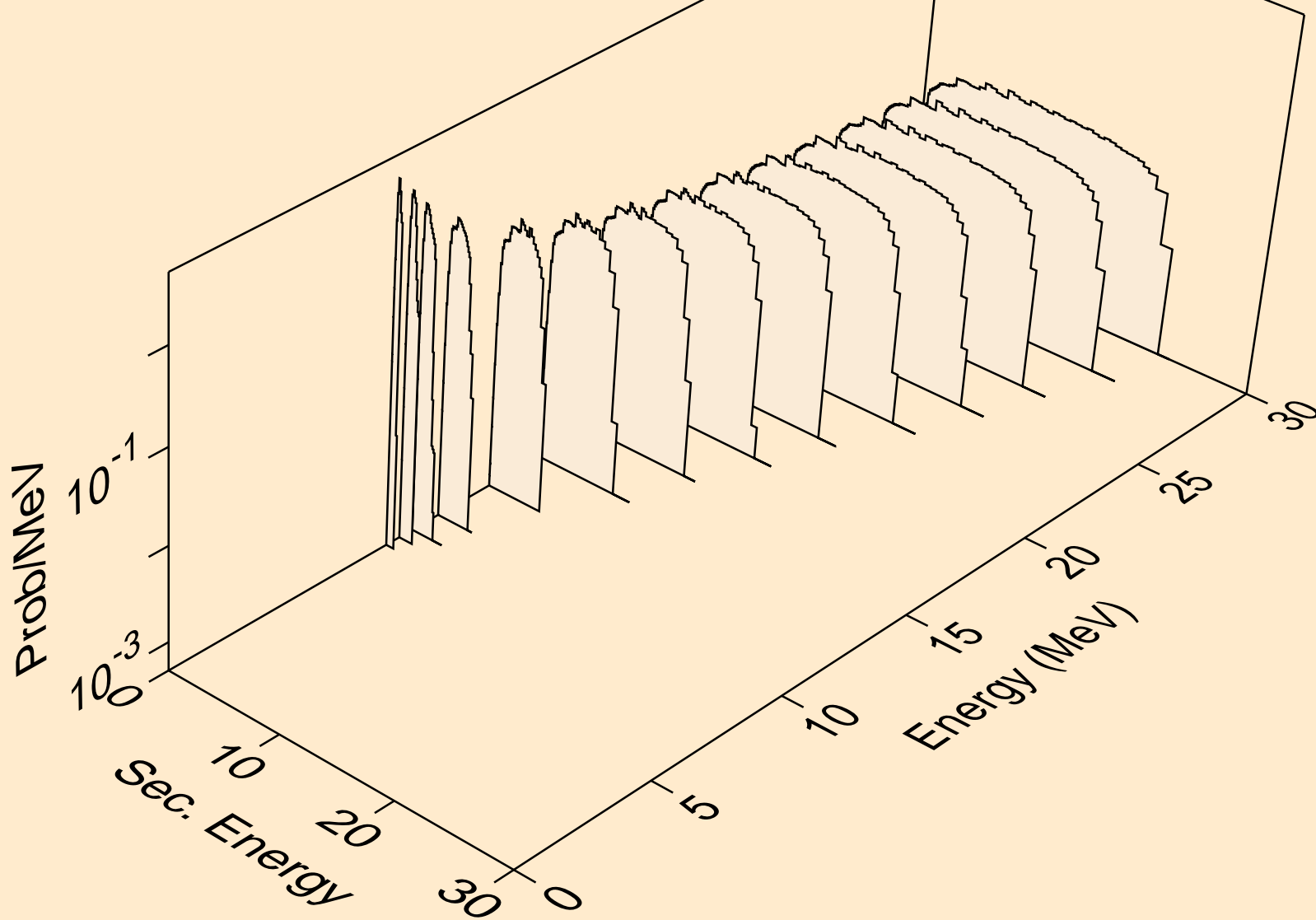
ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for fission



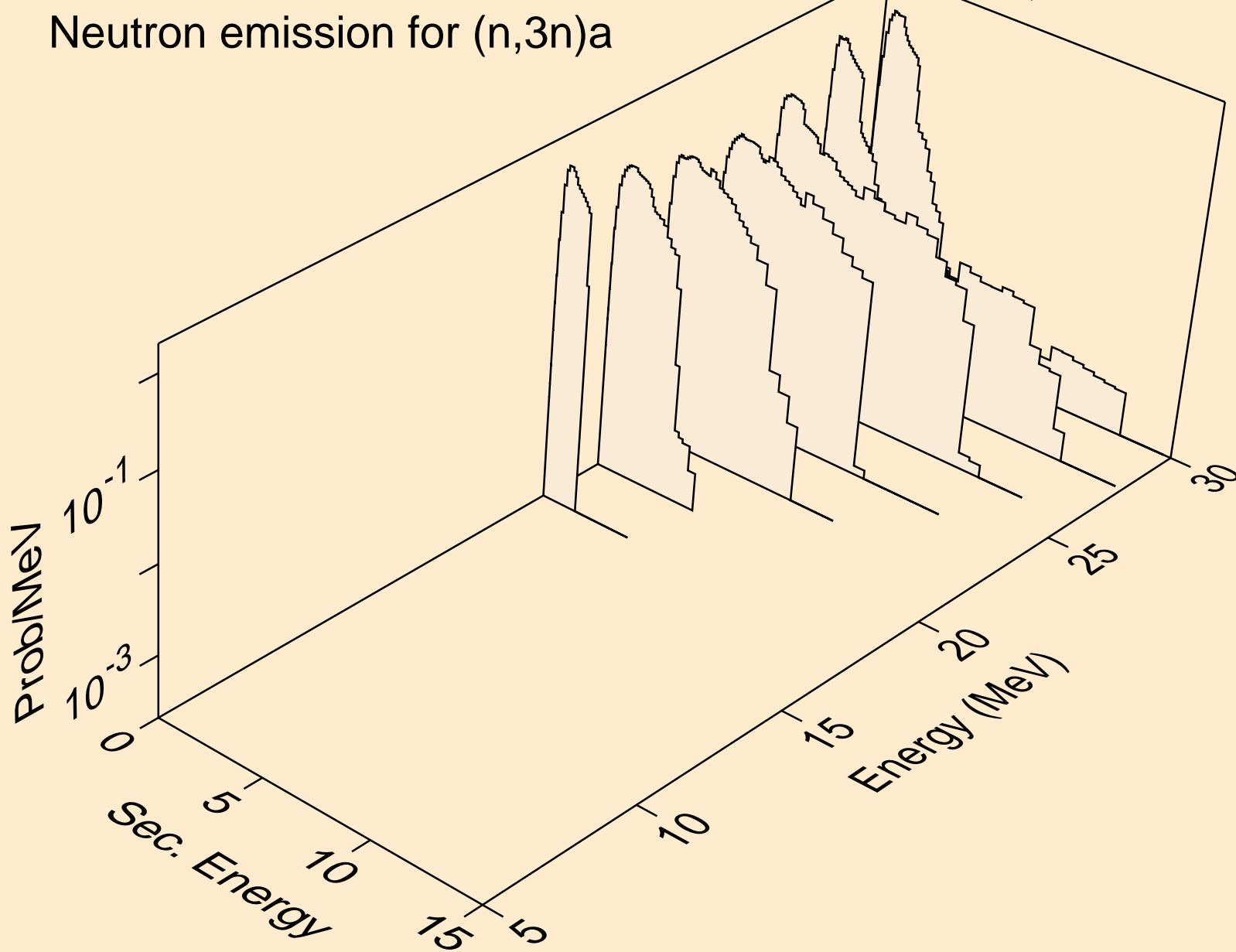
ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)a



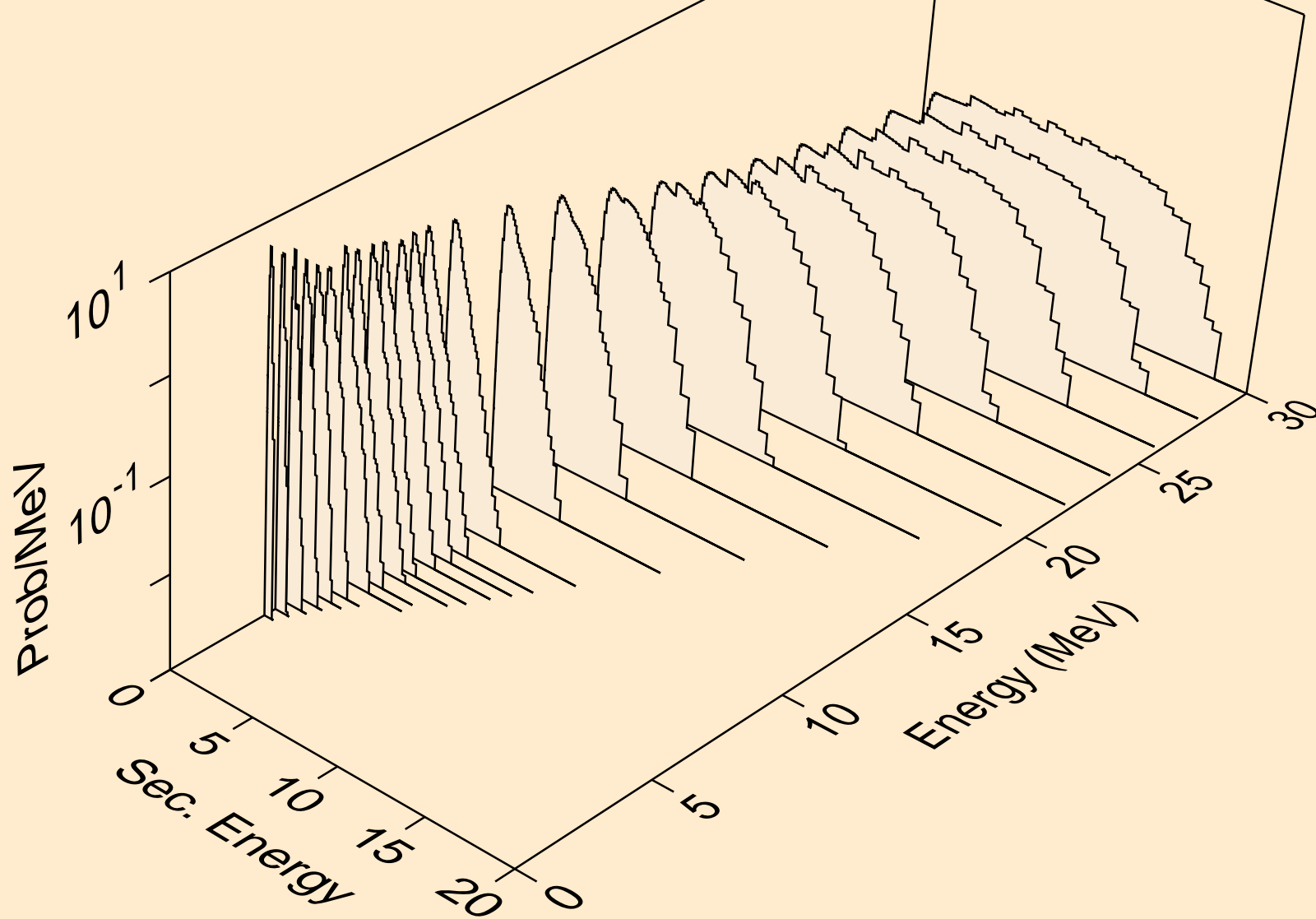
ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)a



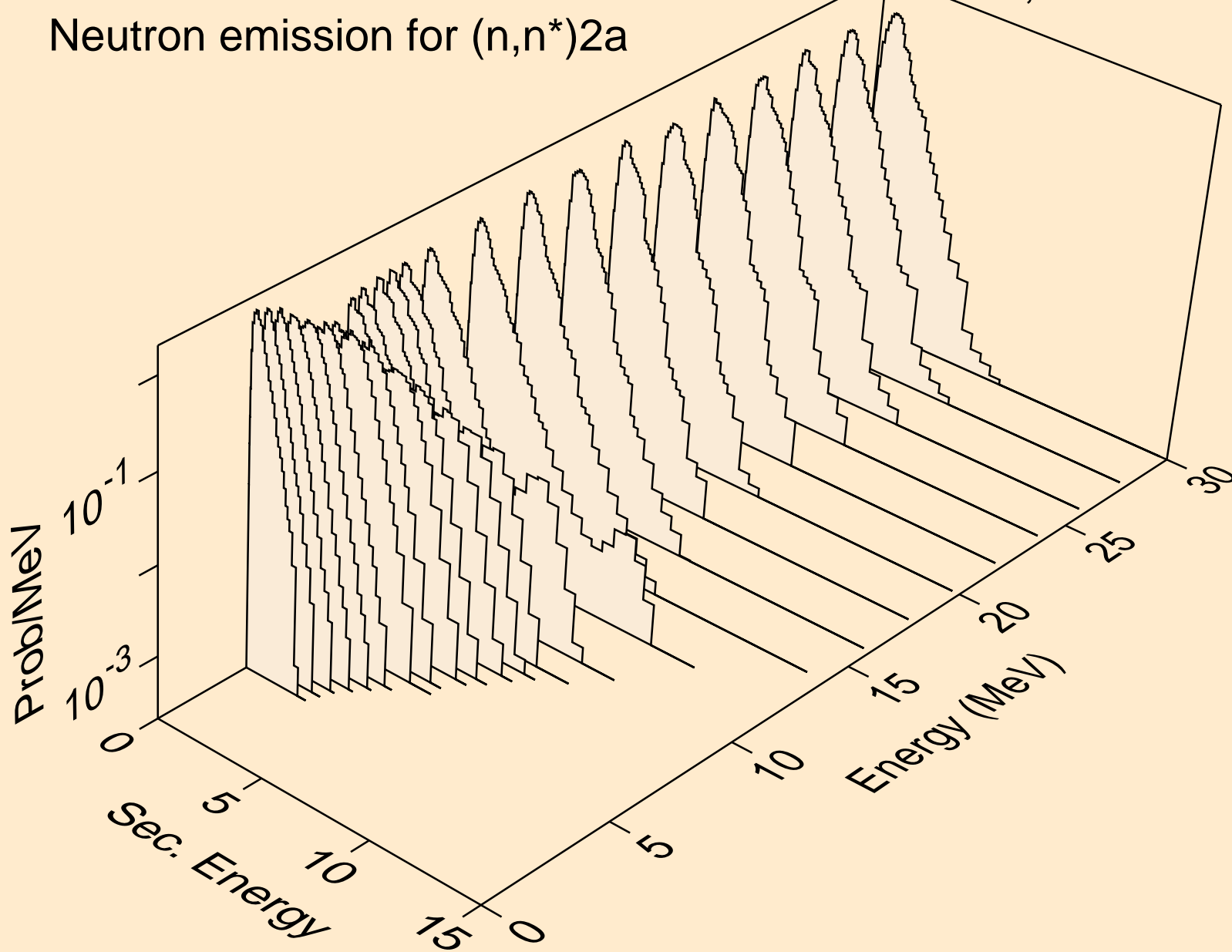
ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)a



ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)p

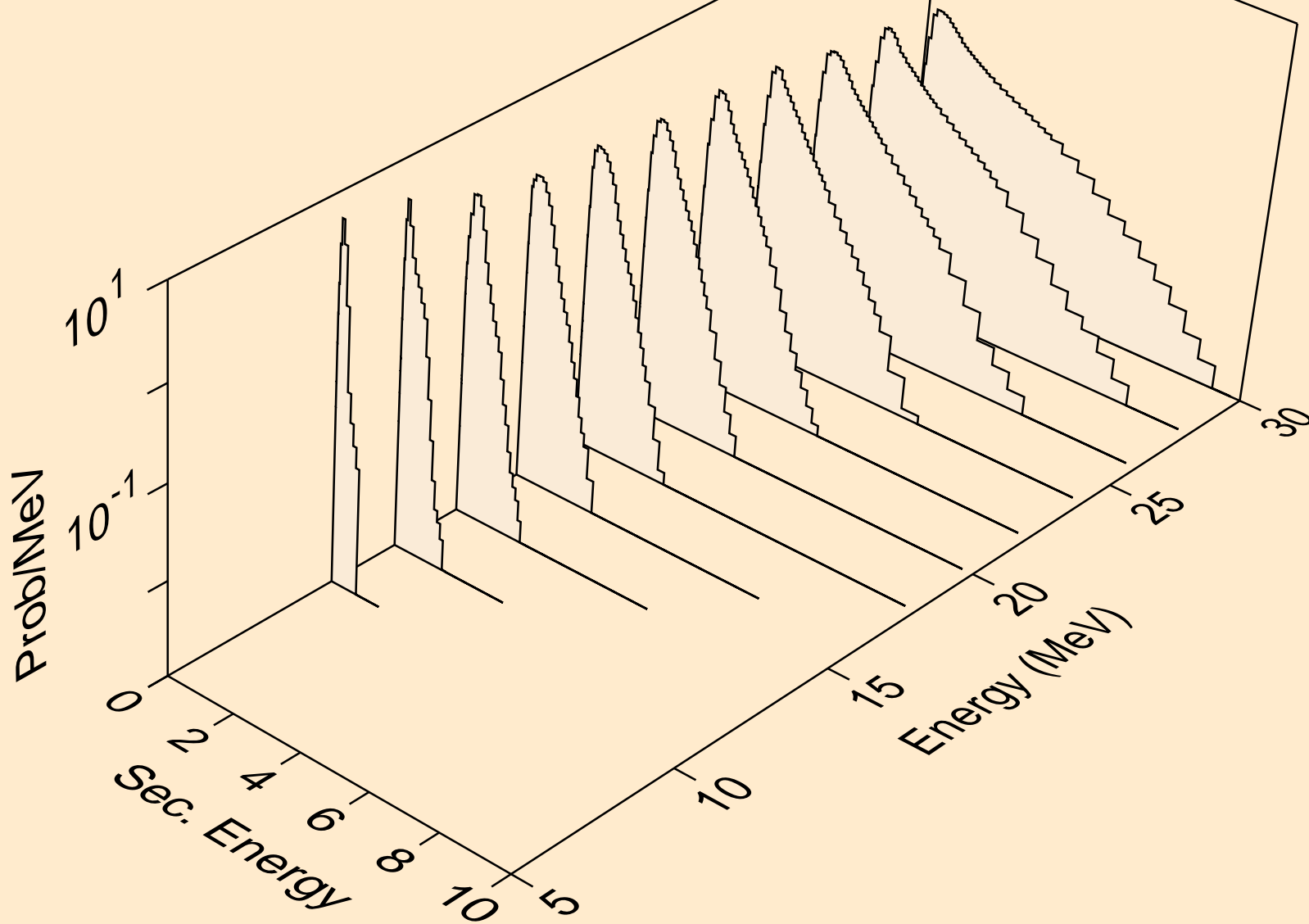


ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)2a

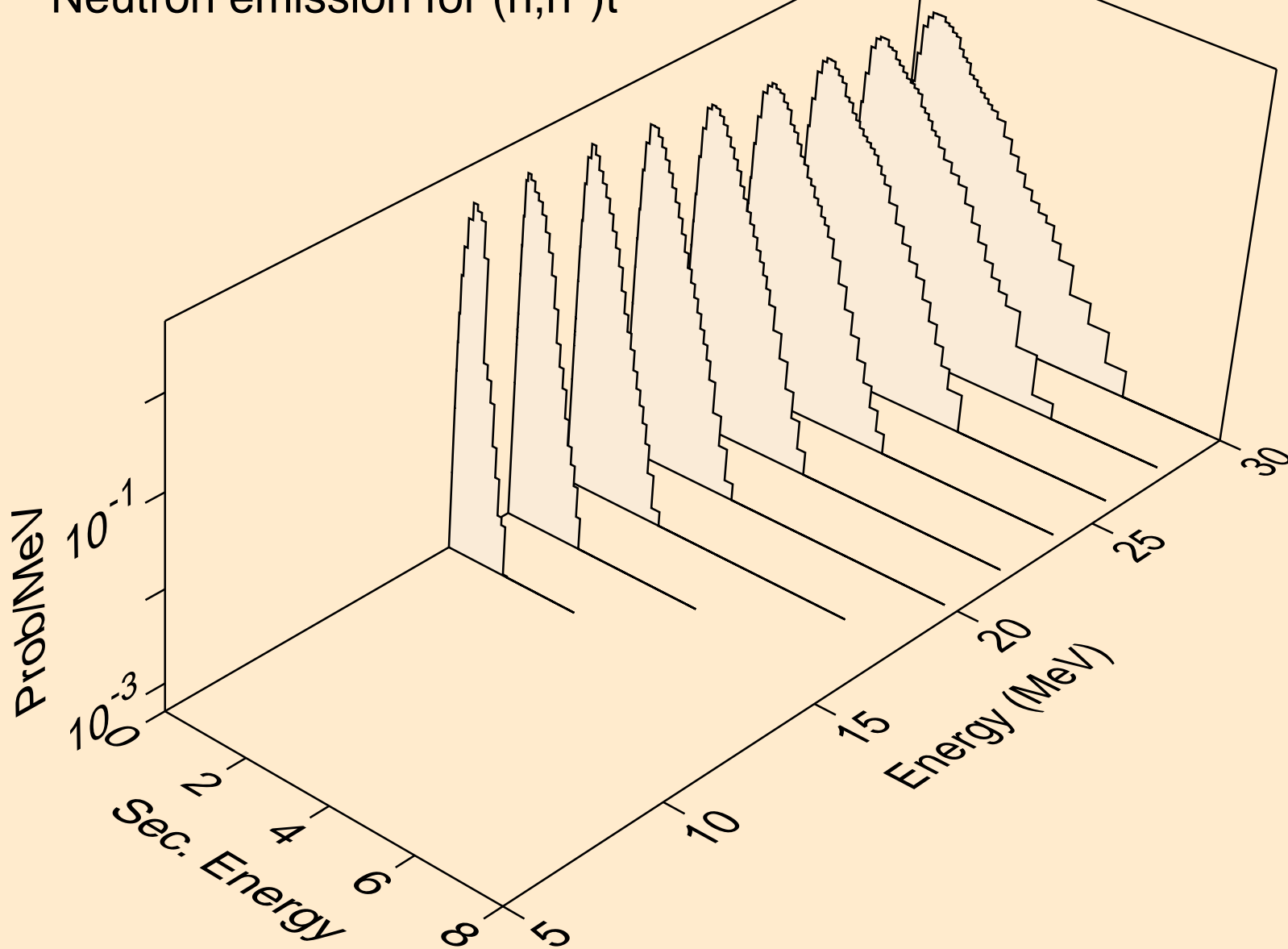




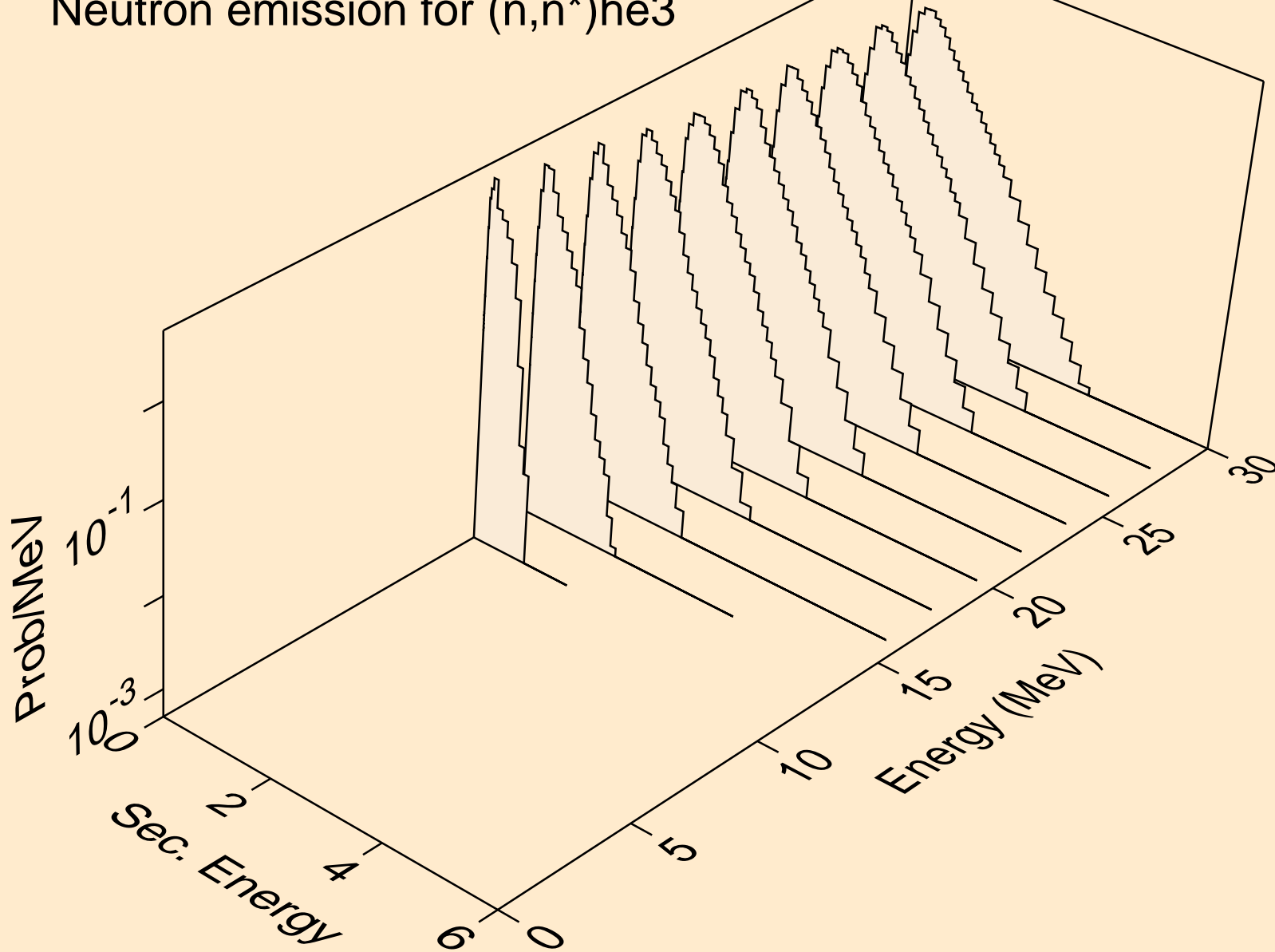
ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)d



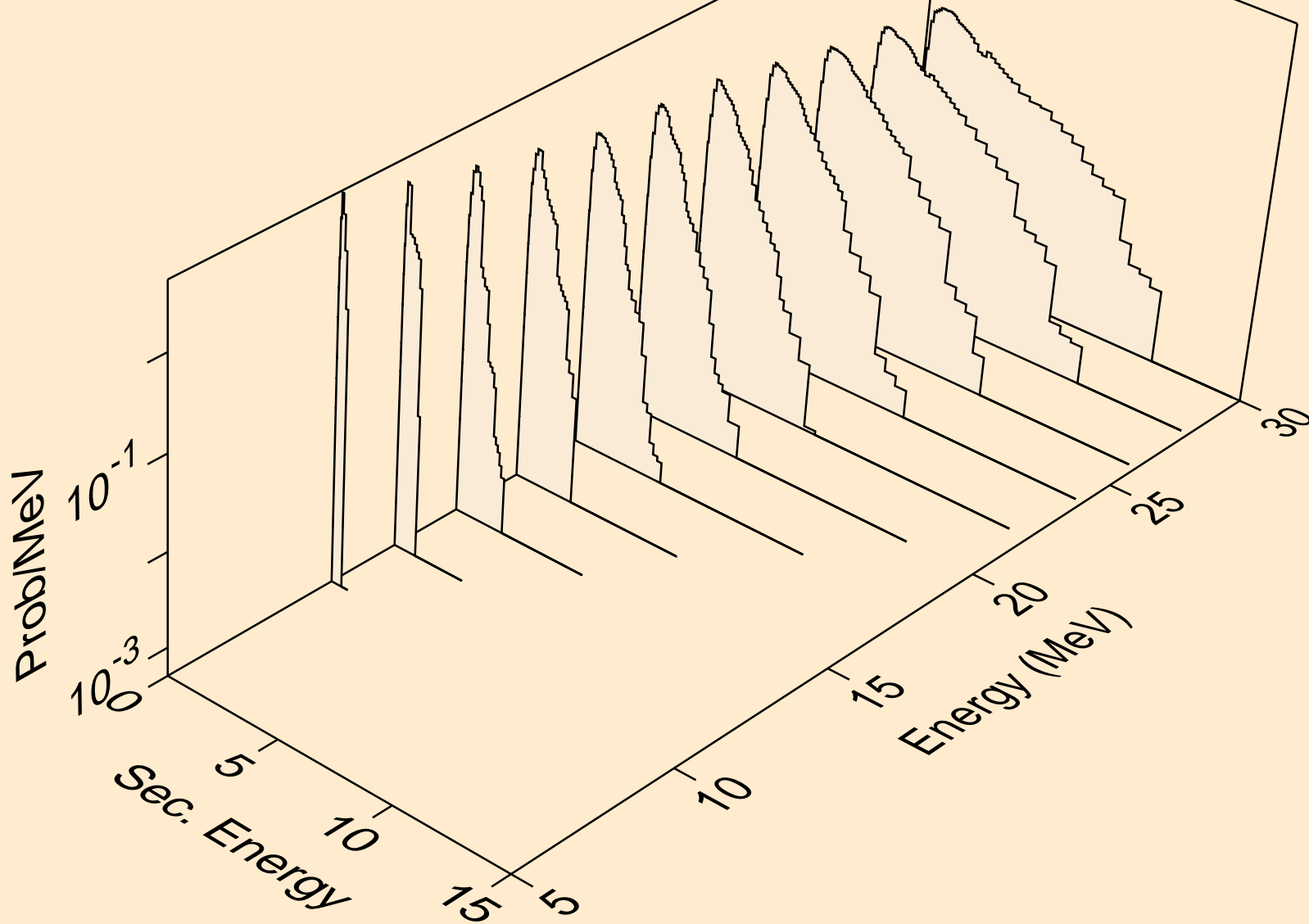
ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)t



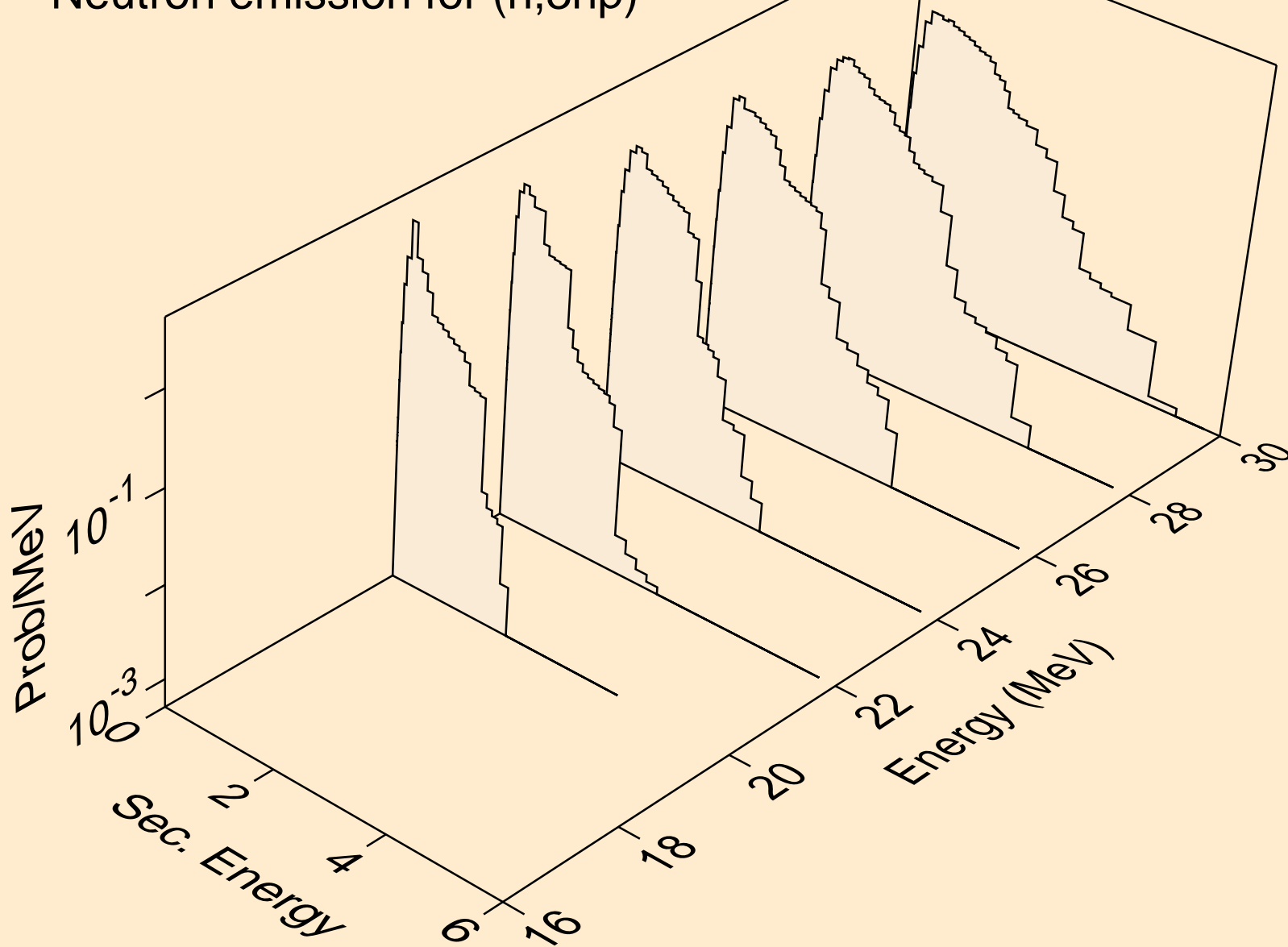
ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)he3



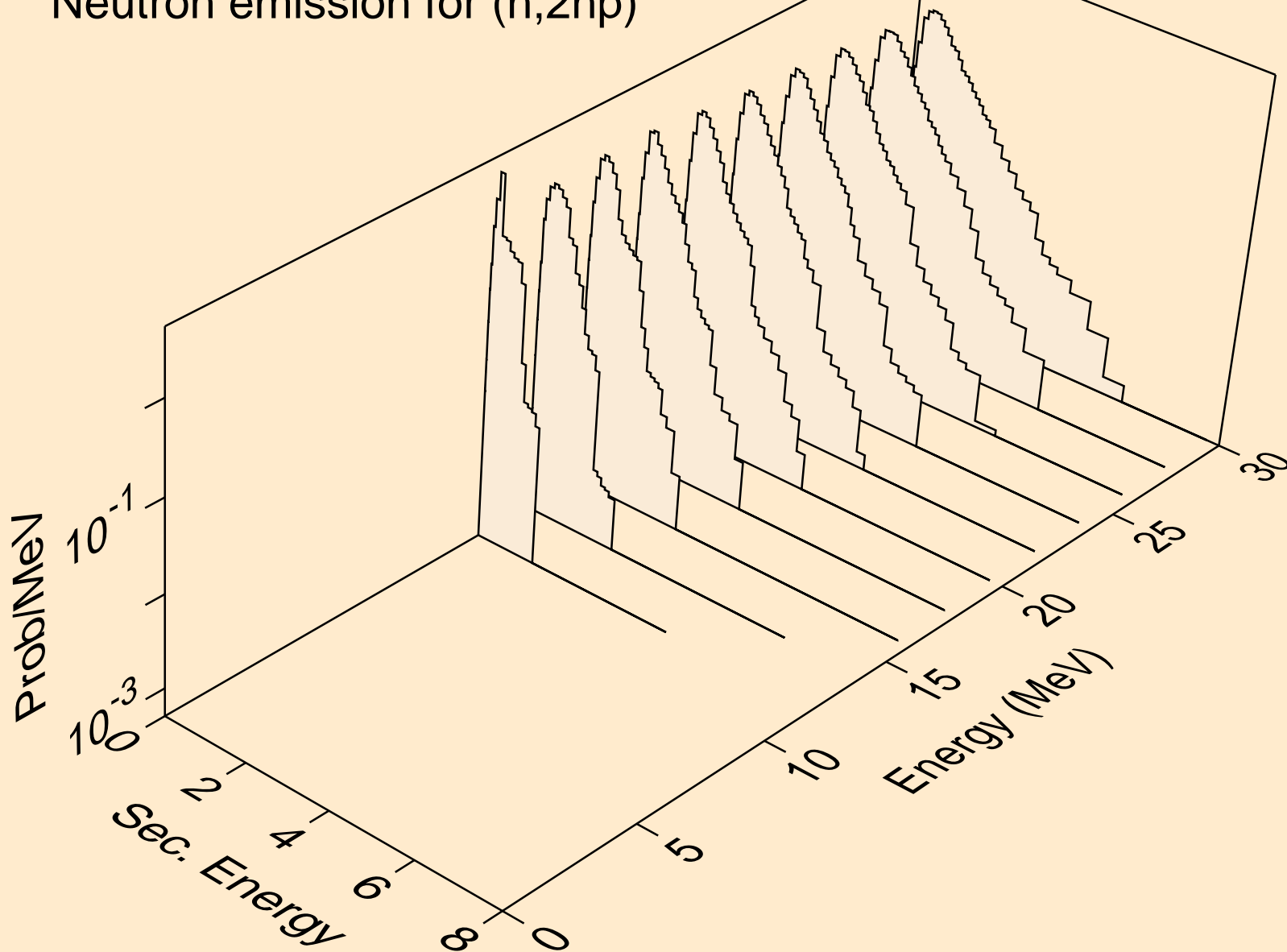
ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2np)



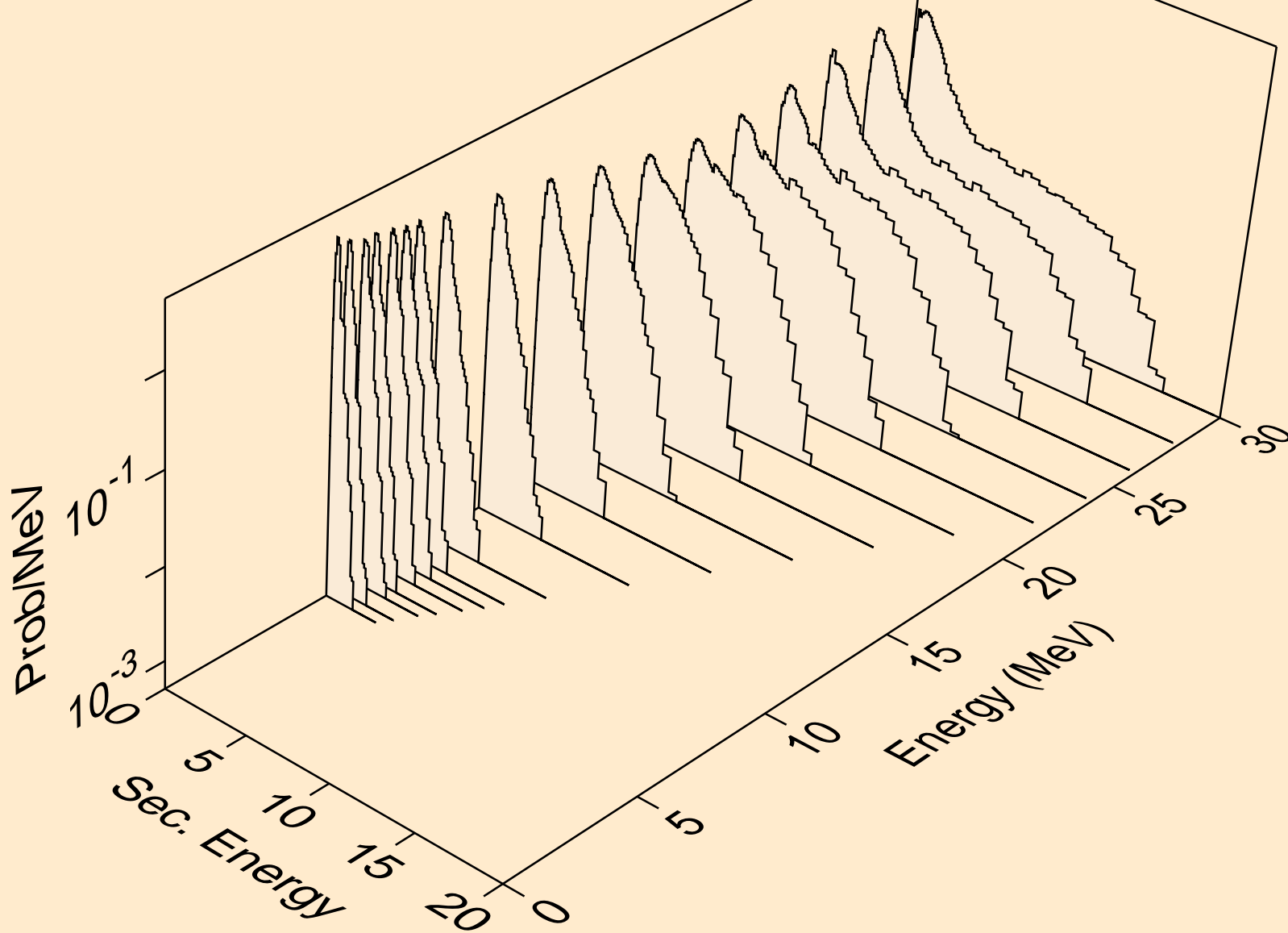
ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3np)



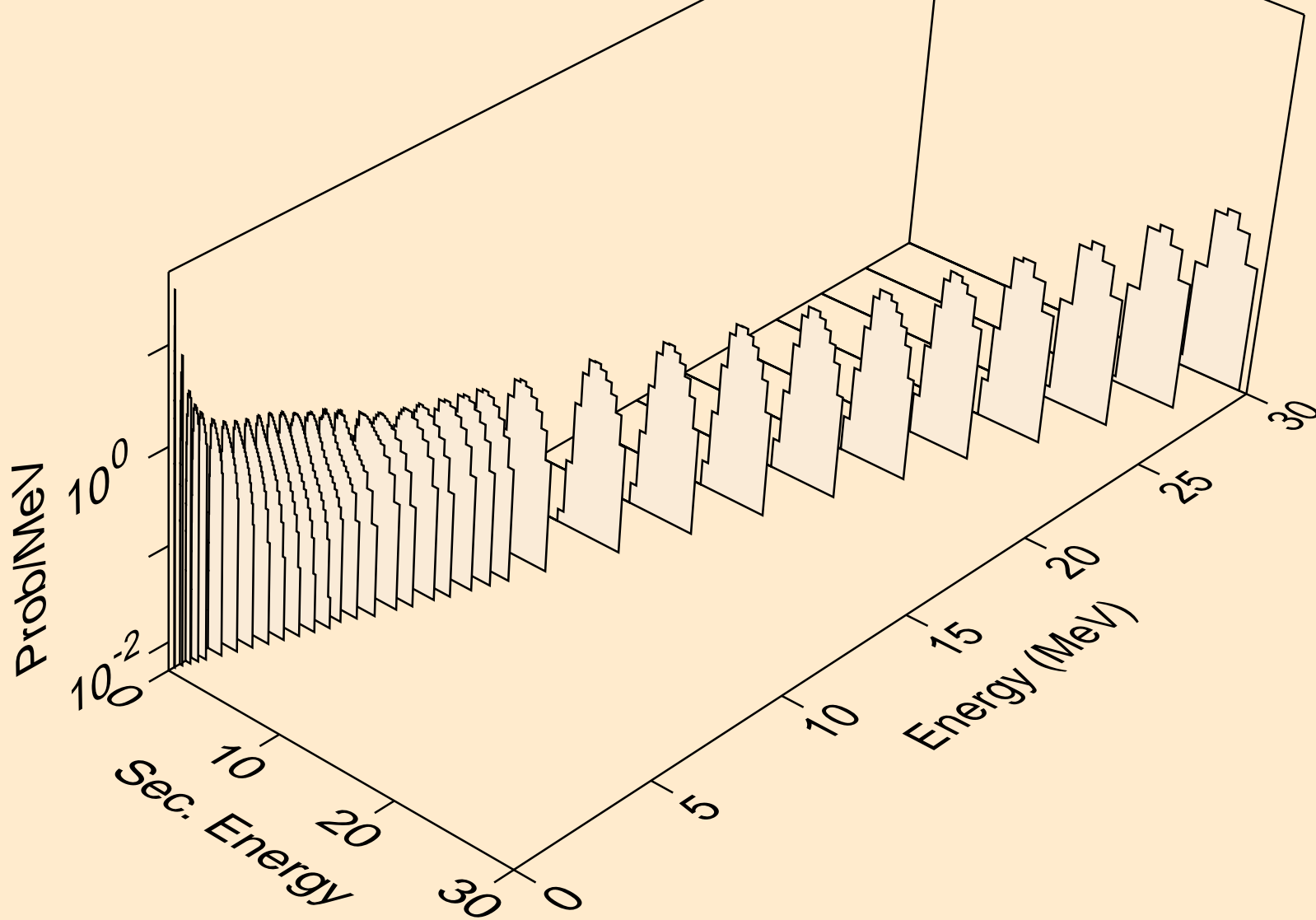
ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2np)



ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,npa)



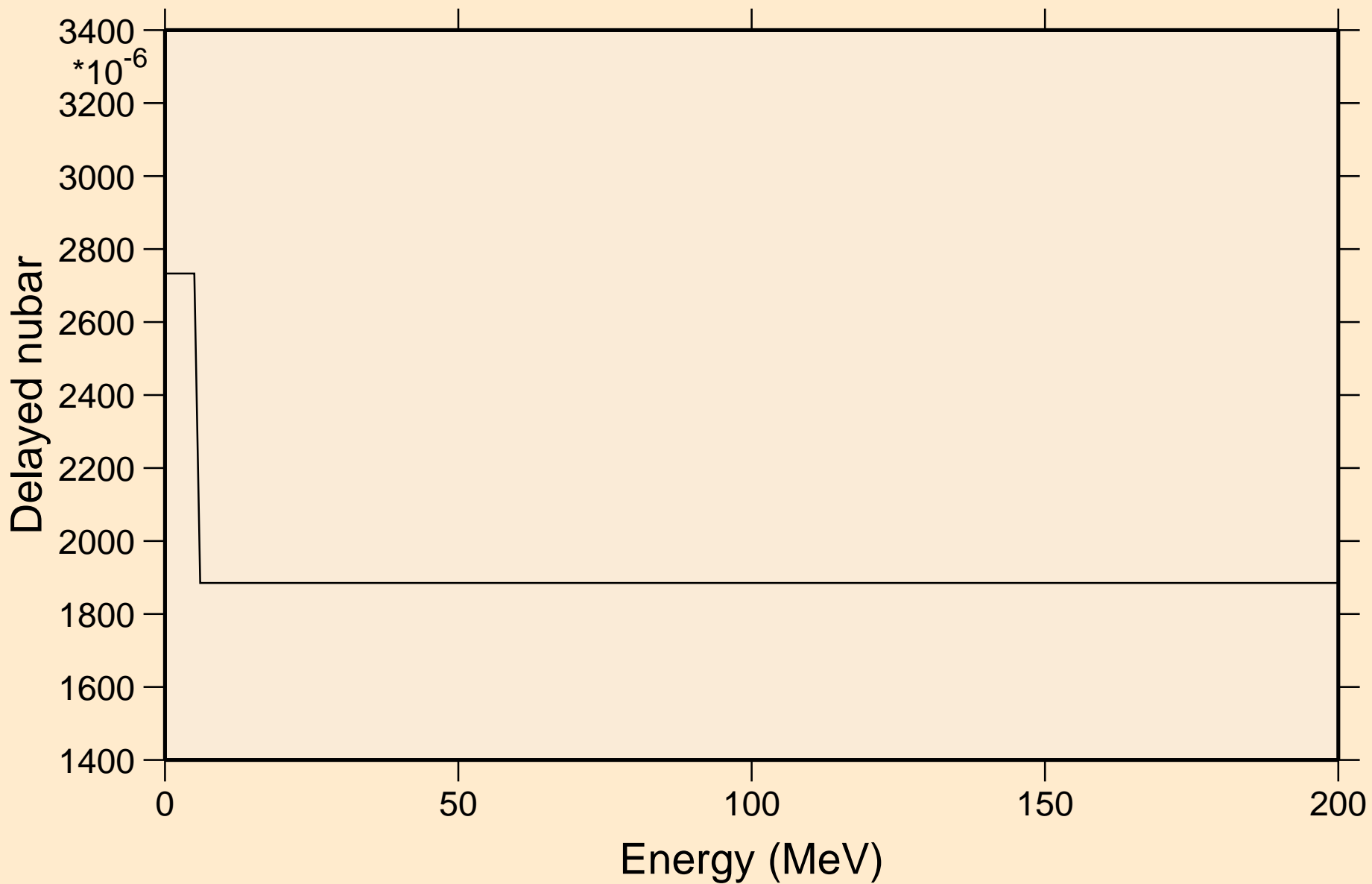
ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*c)





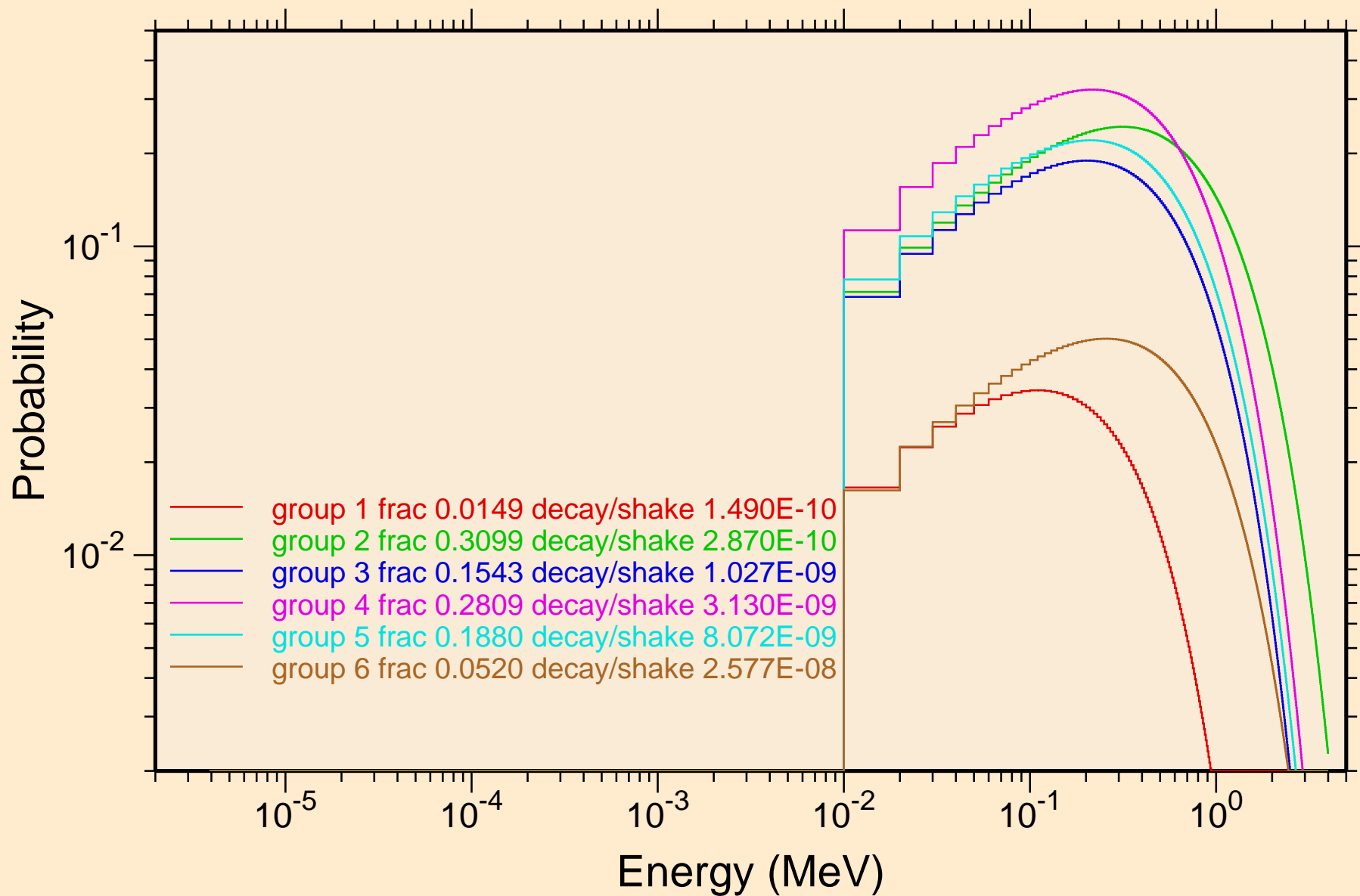
# ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Delayed nubar

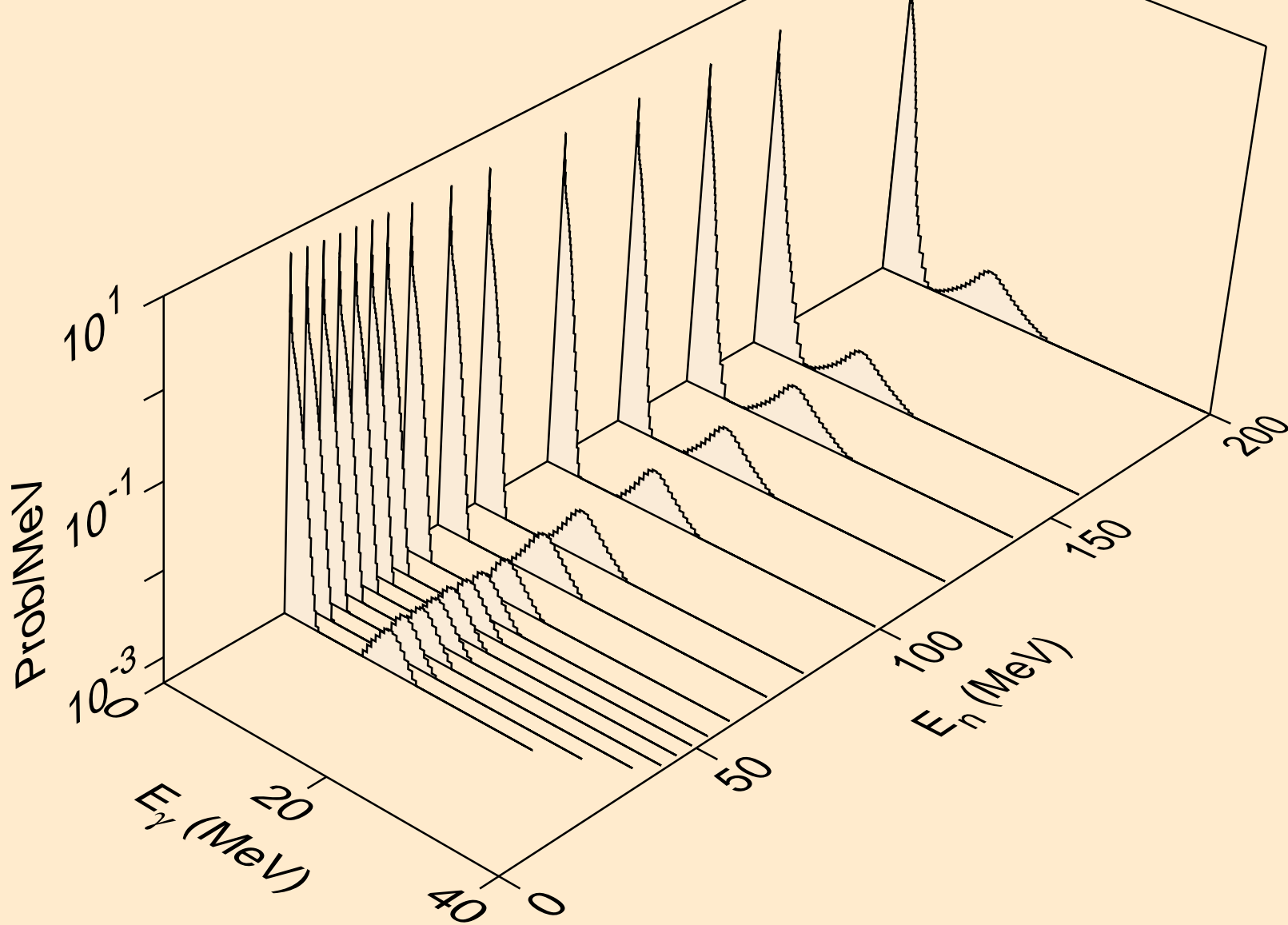


# ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

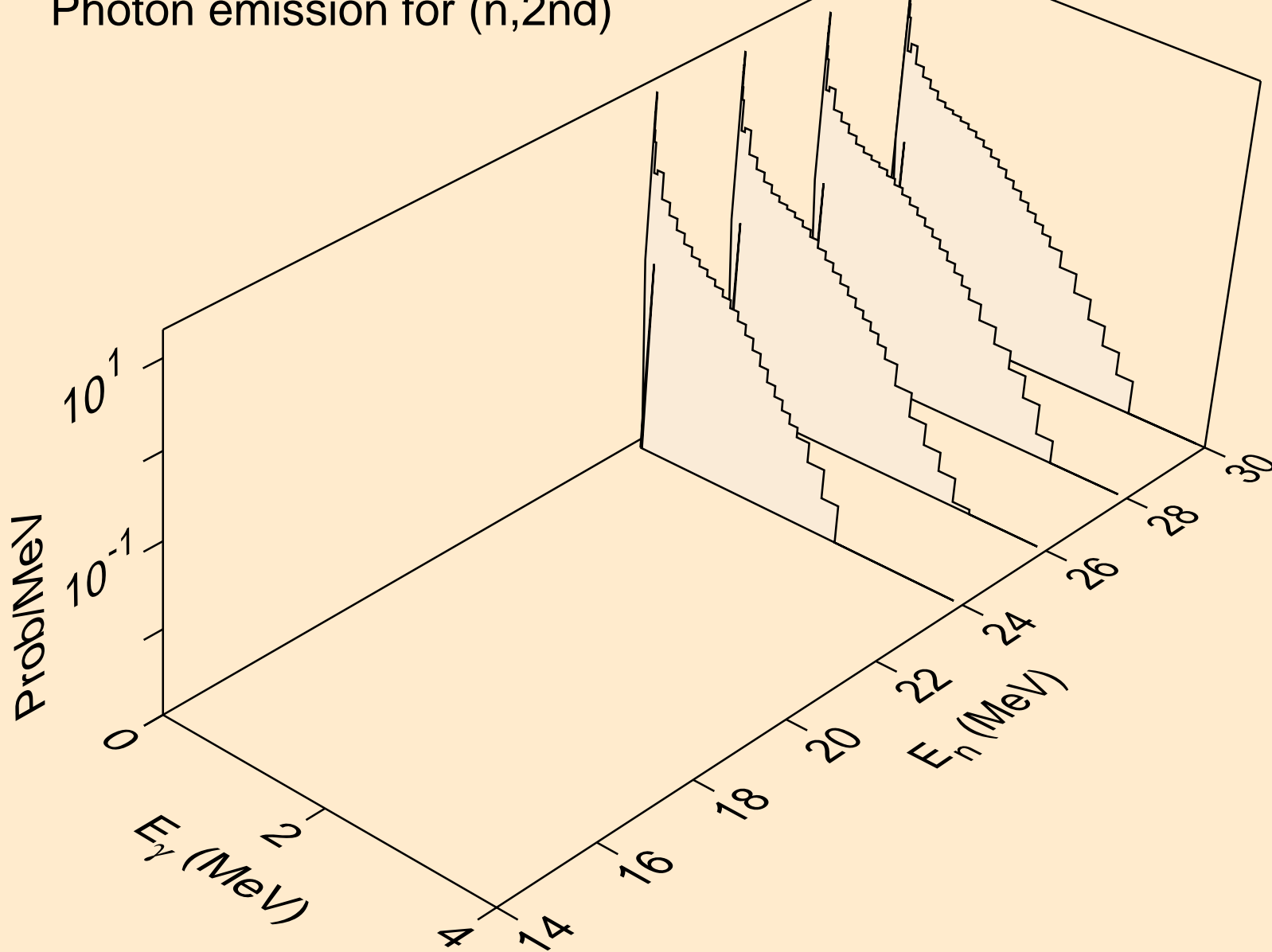
## Delayed neutron spectra



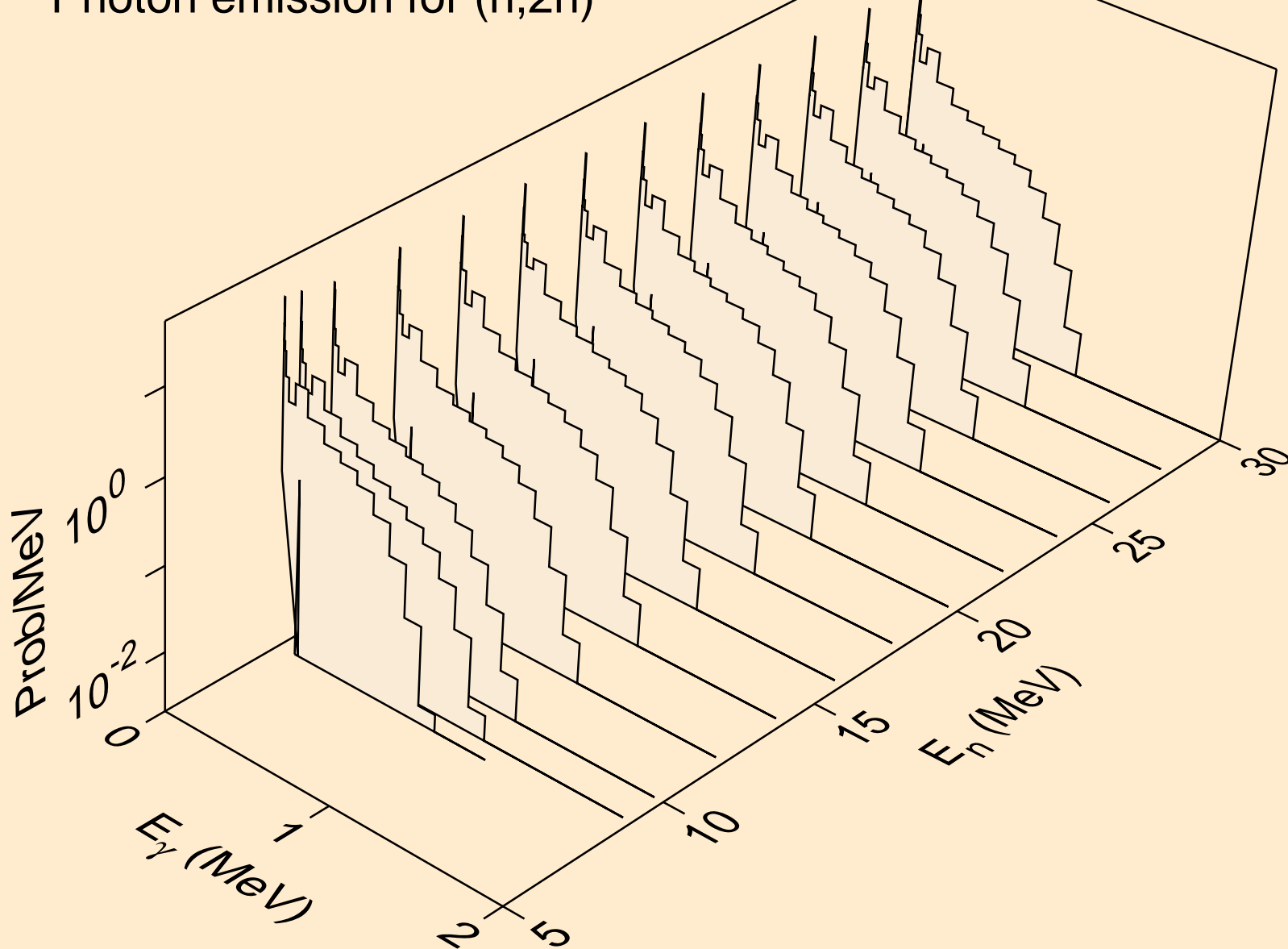
ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,x)



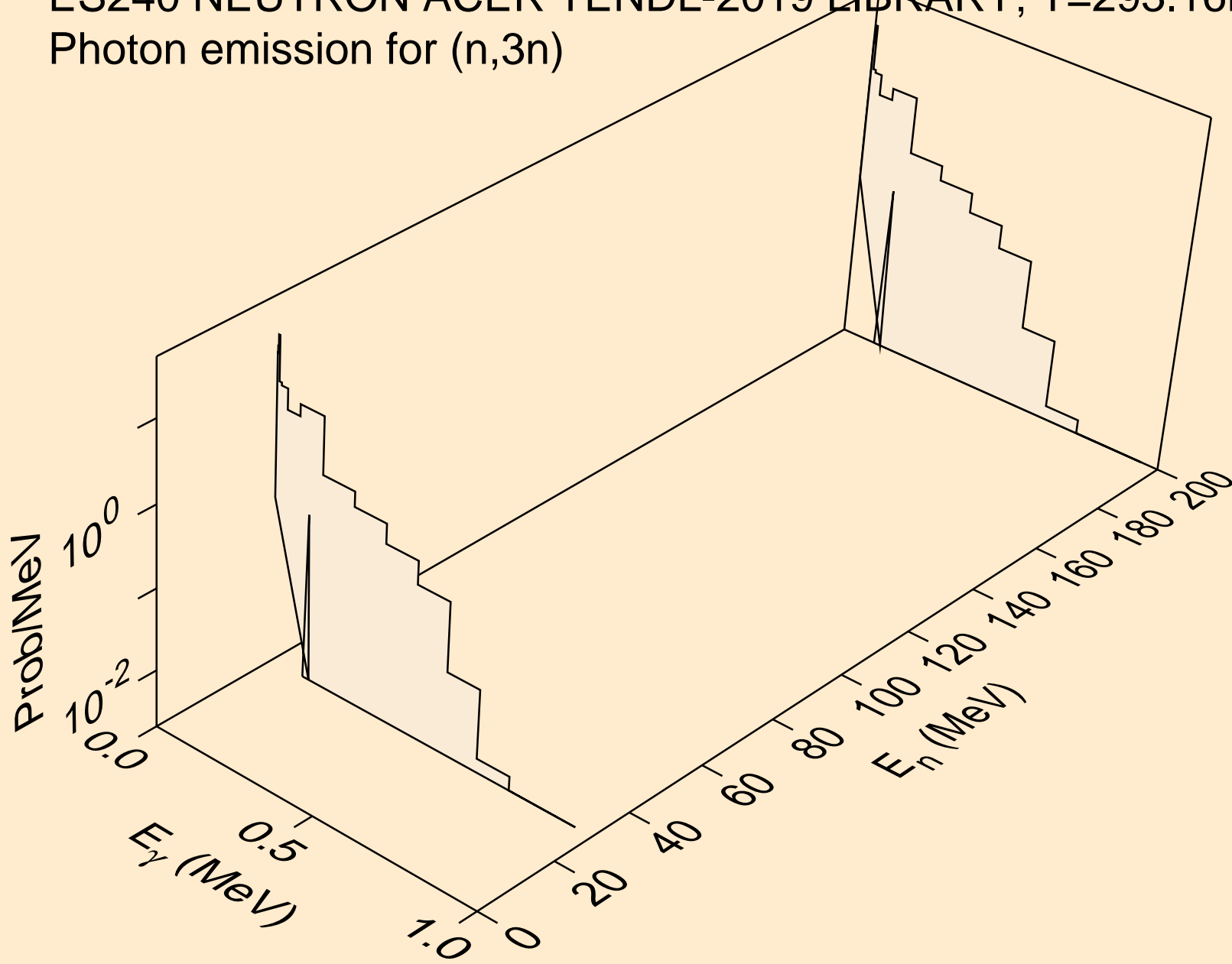
ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2nd)



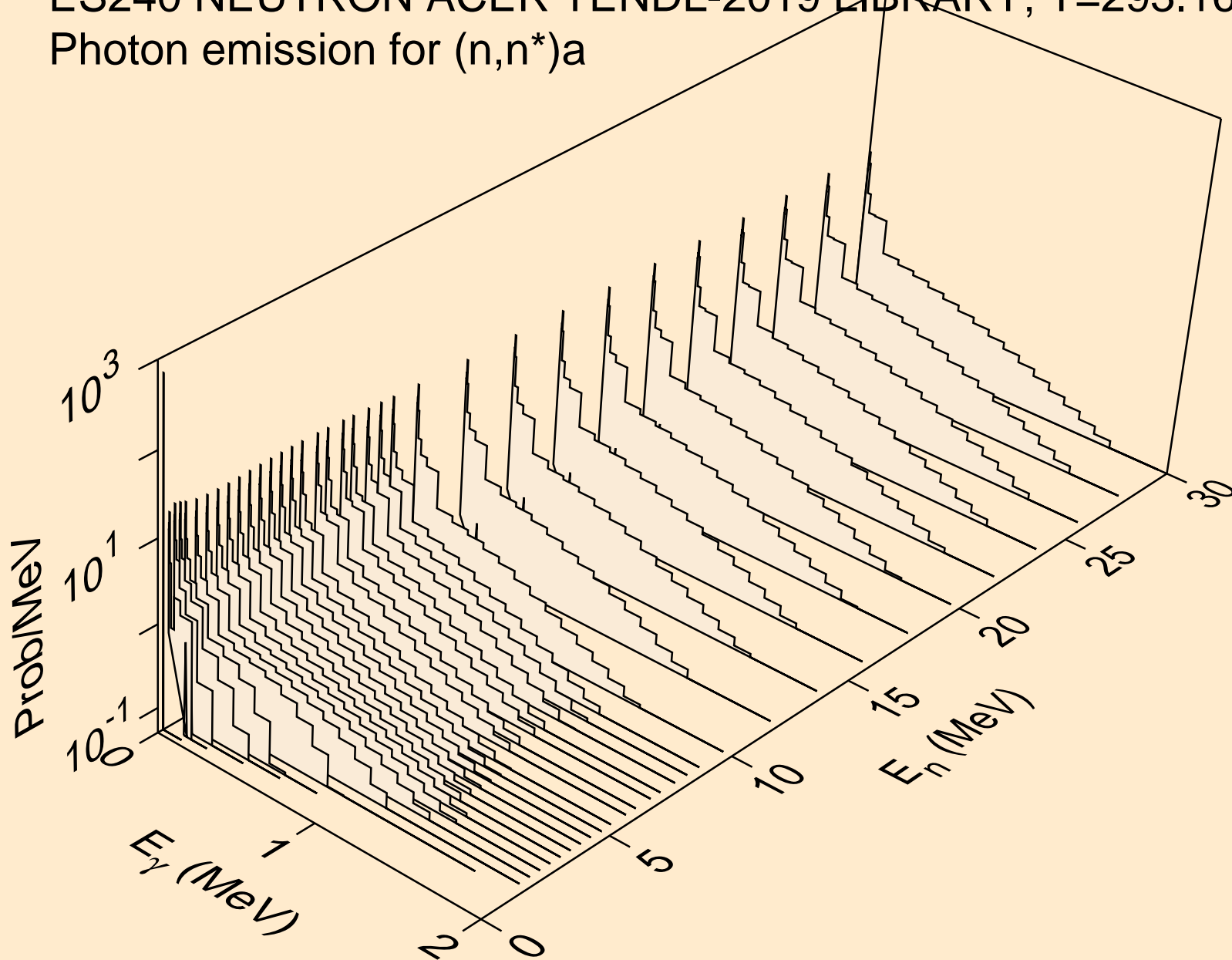
ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n)



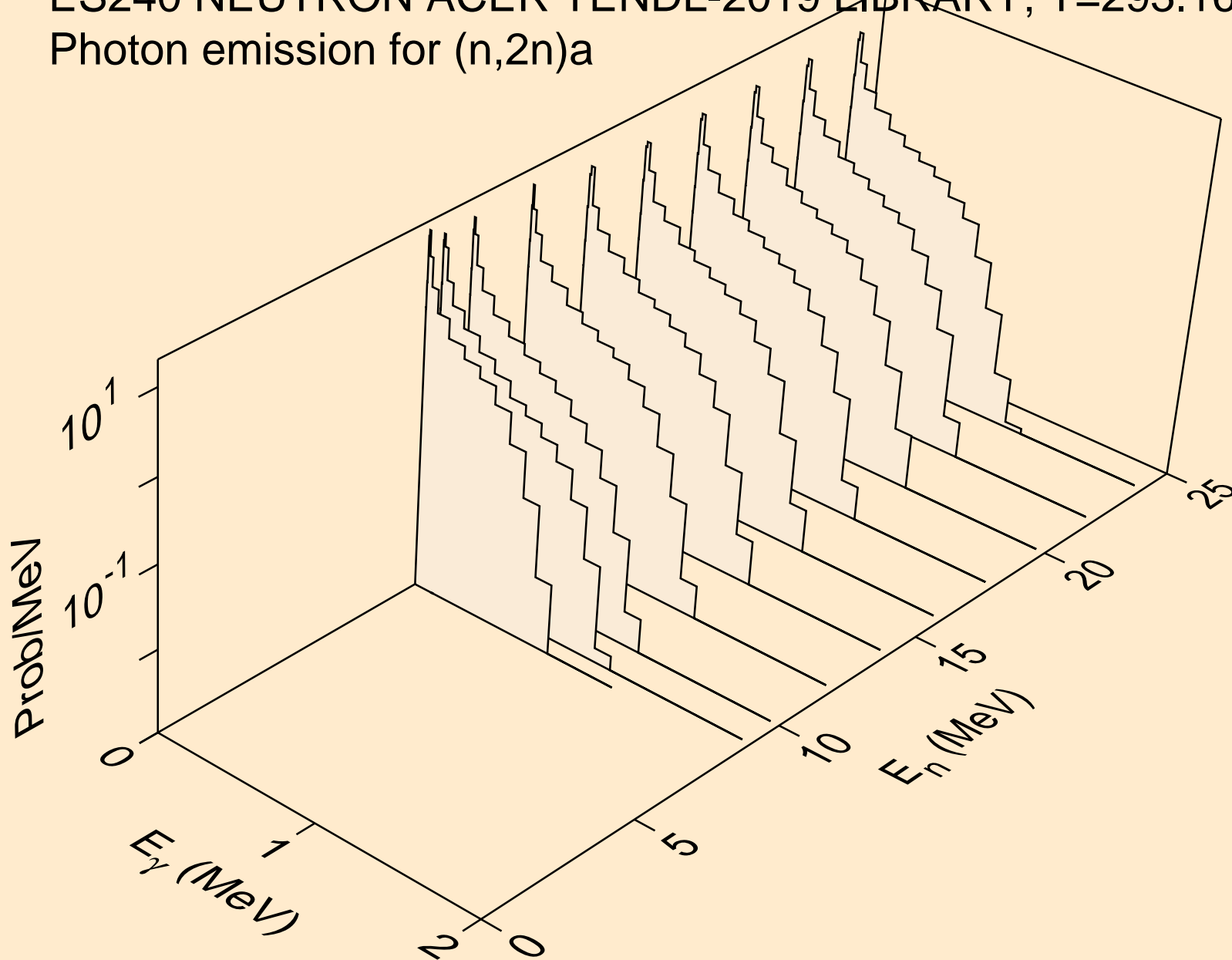
ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3n)



ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)a

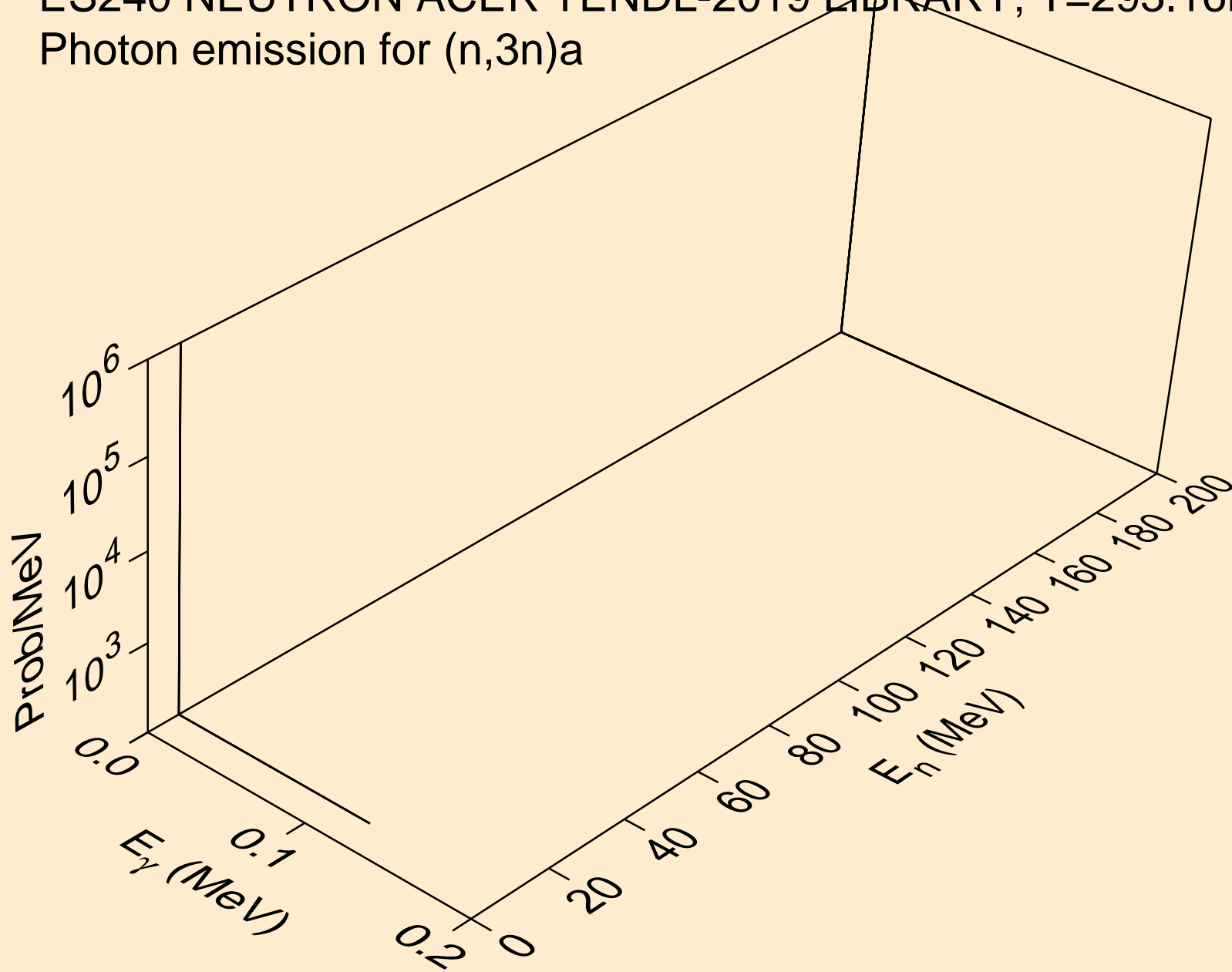


ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n)a

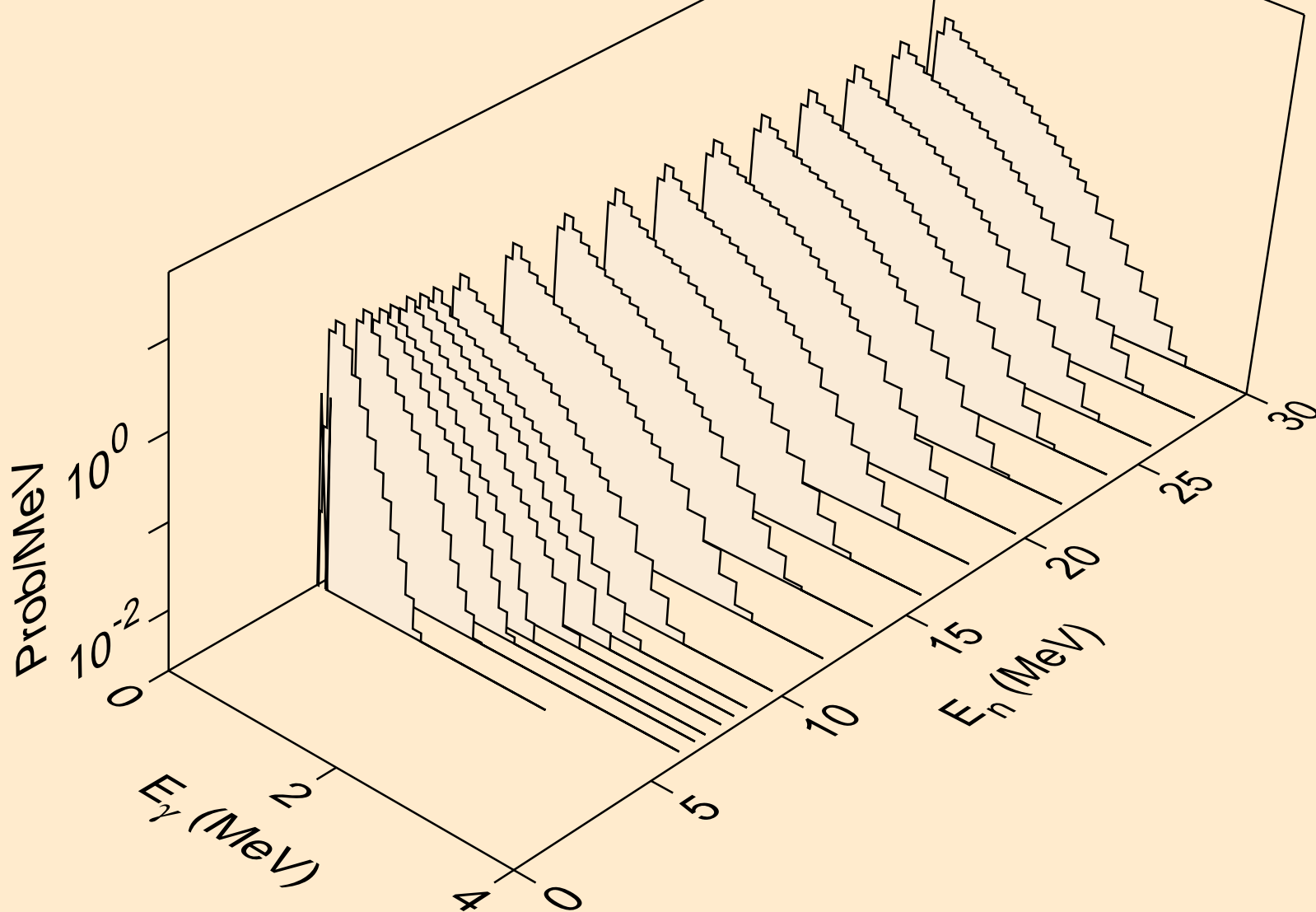




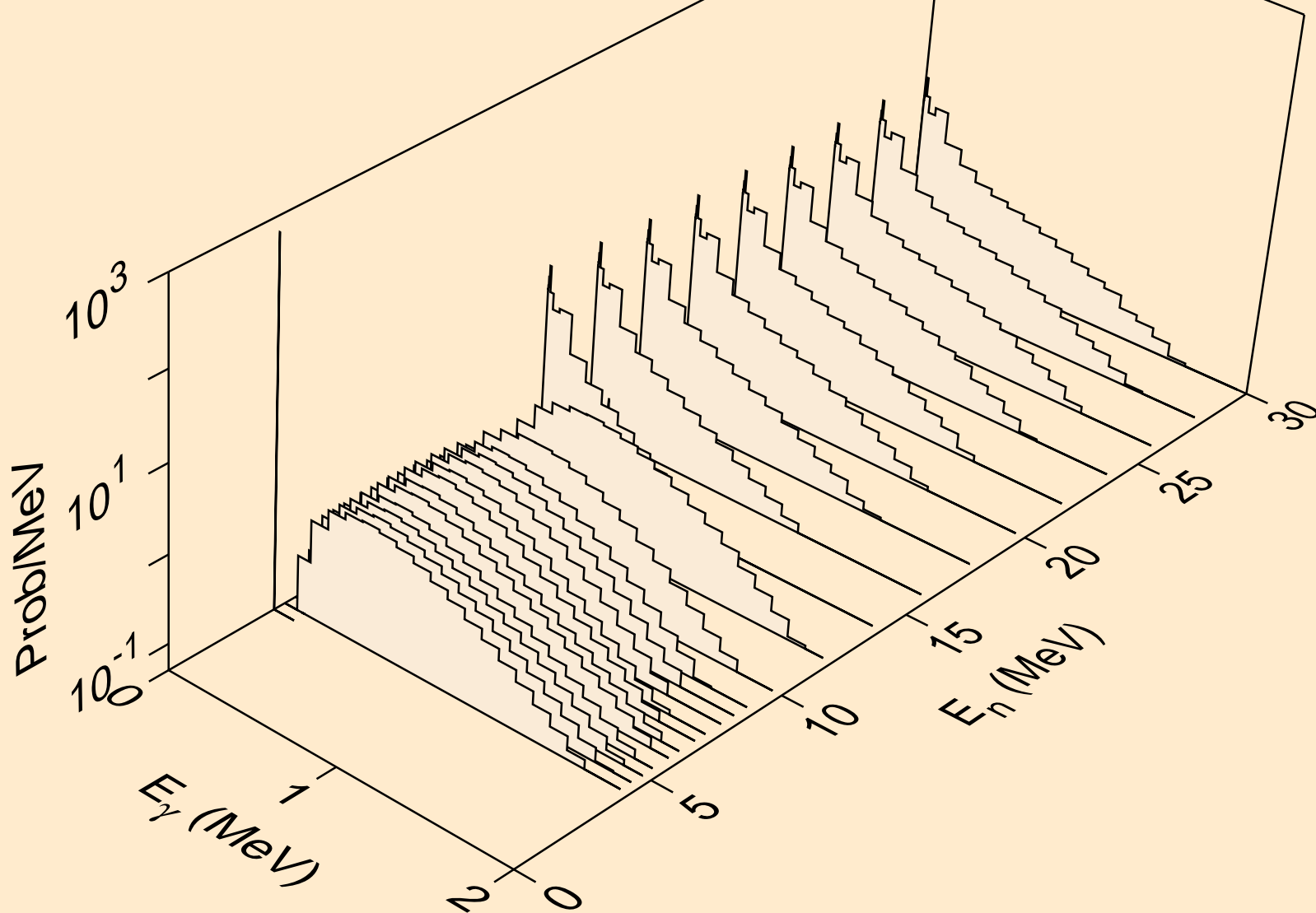
ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3n)a



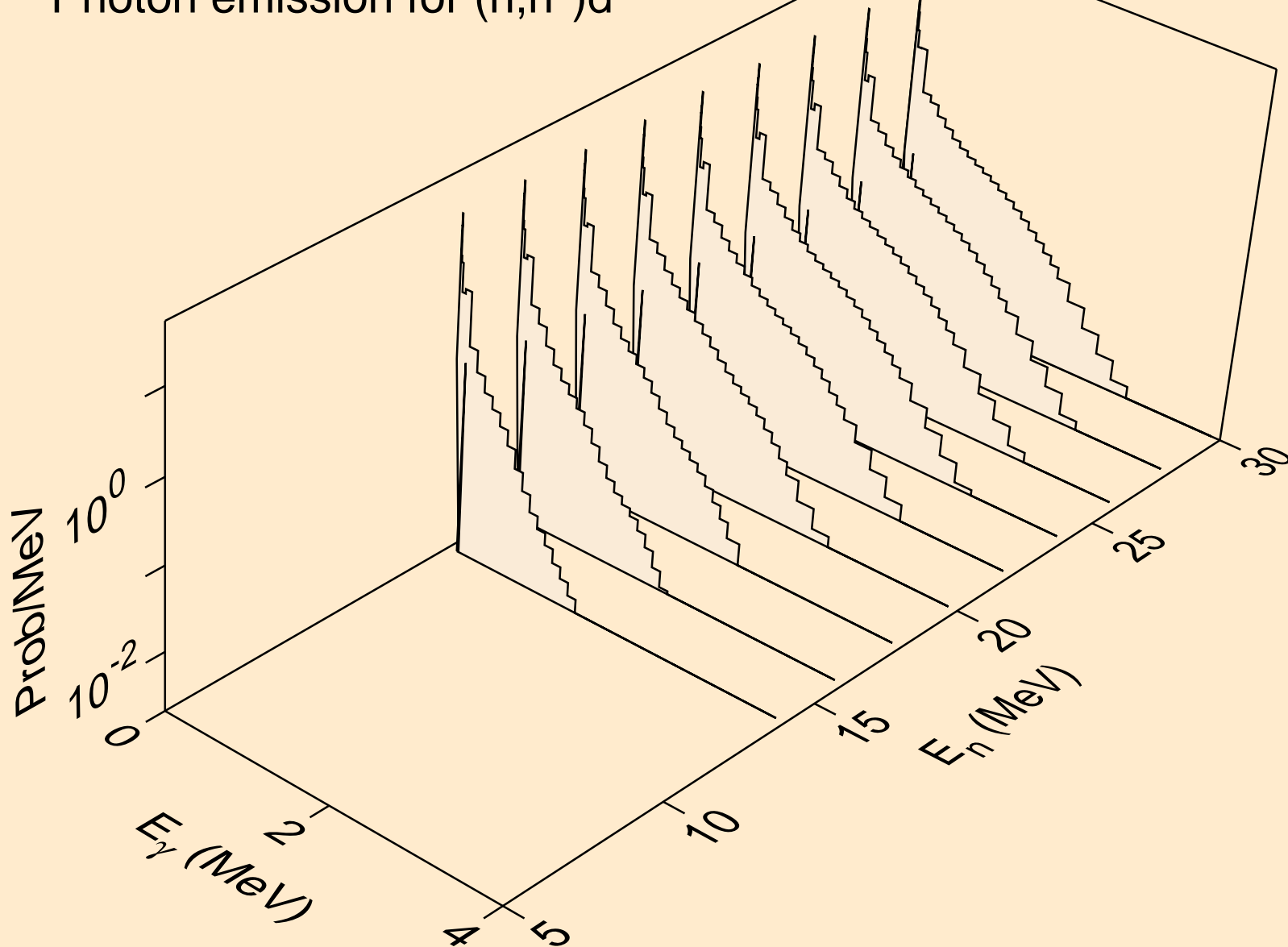
ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)p



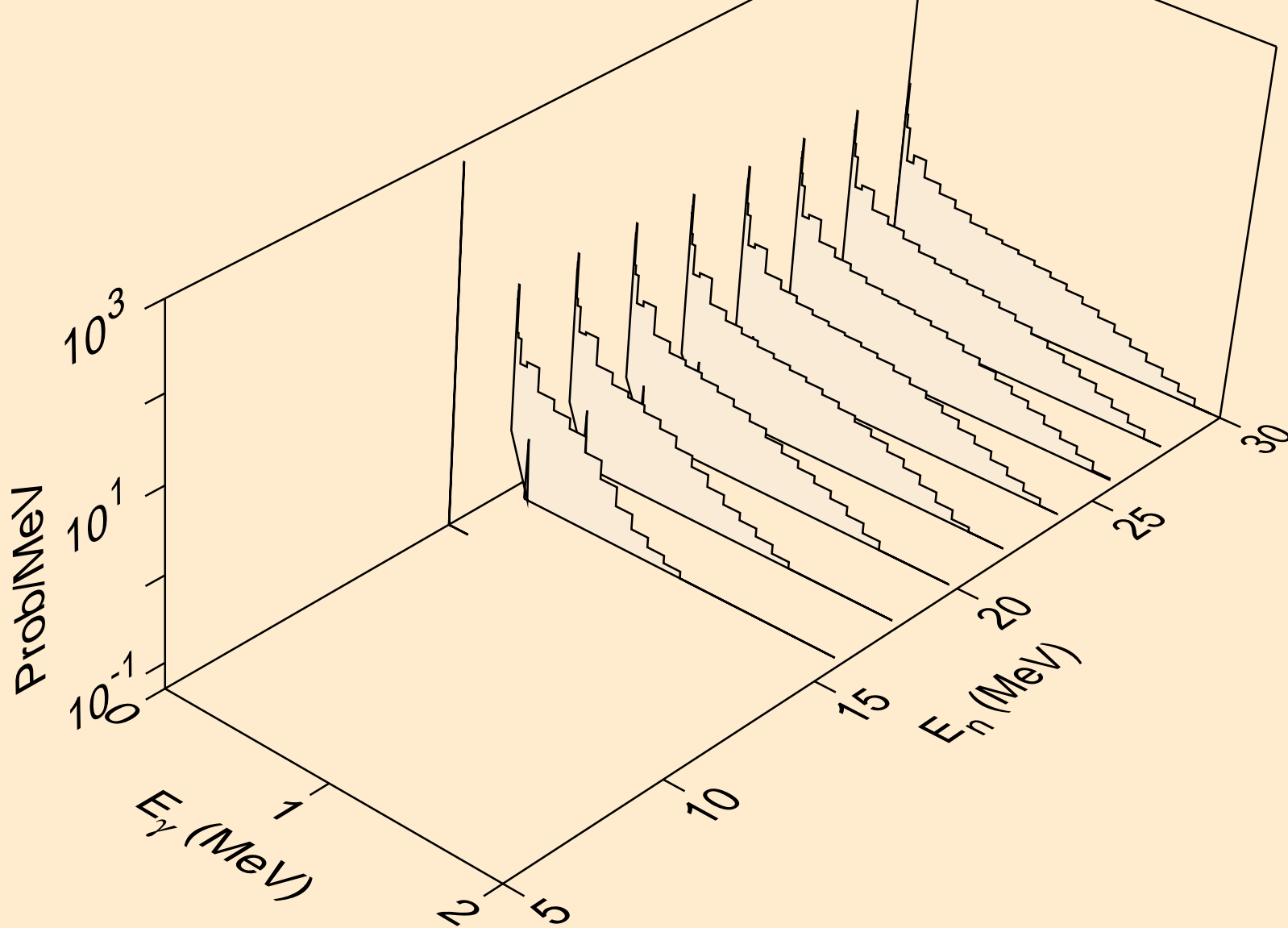
ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)2a



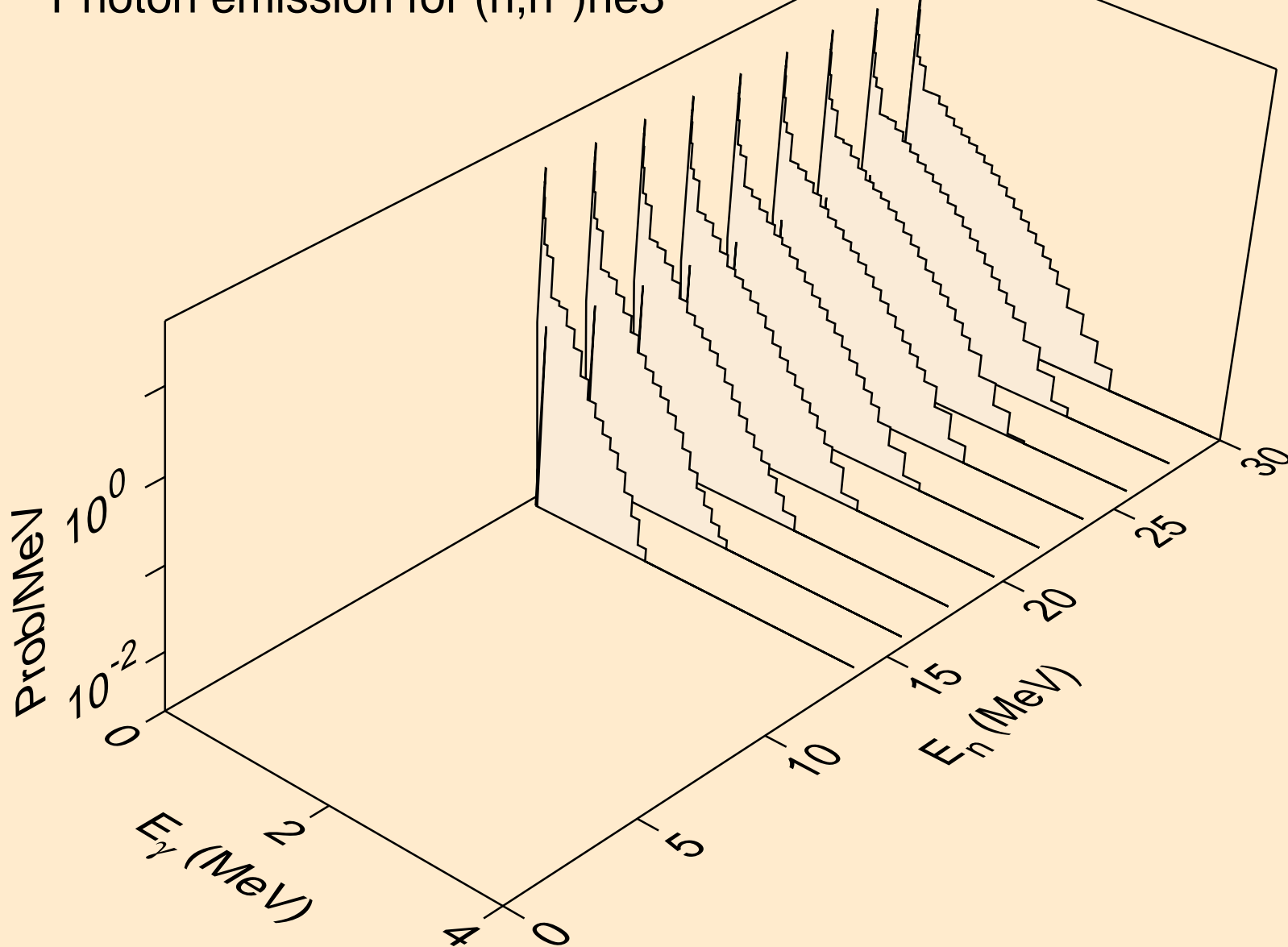
ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)d



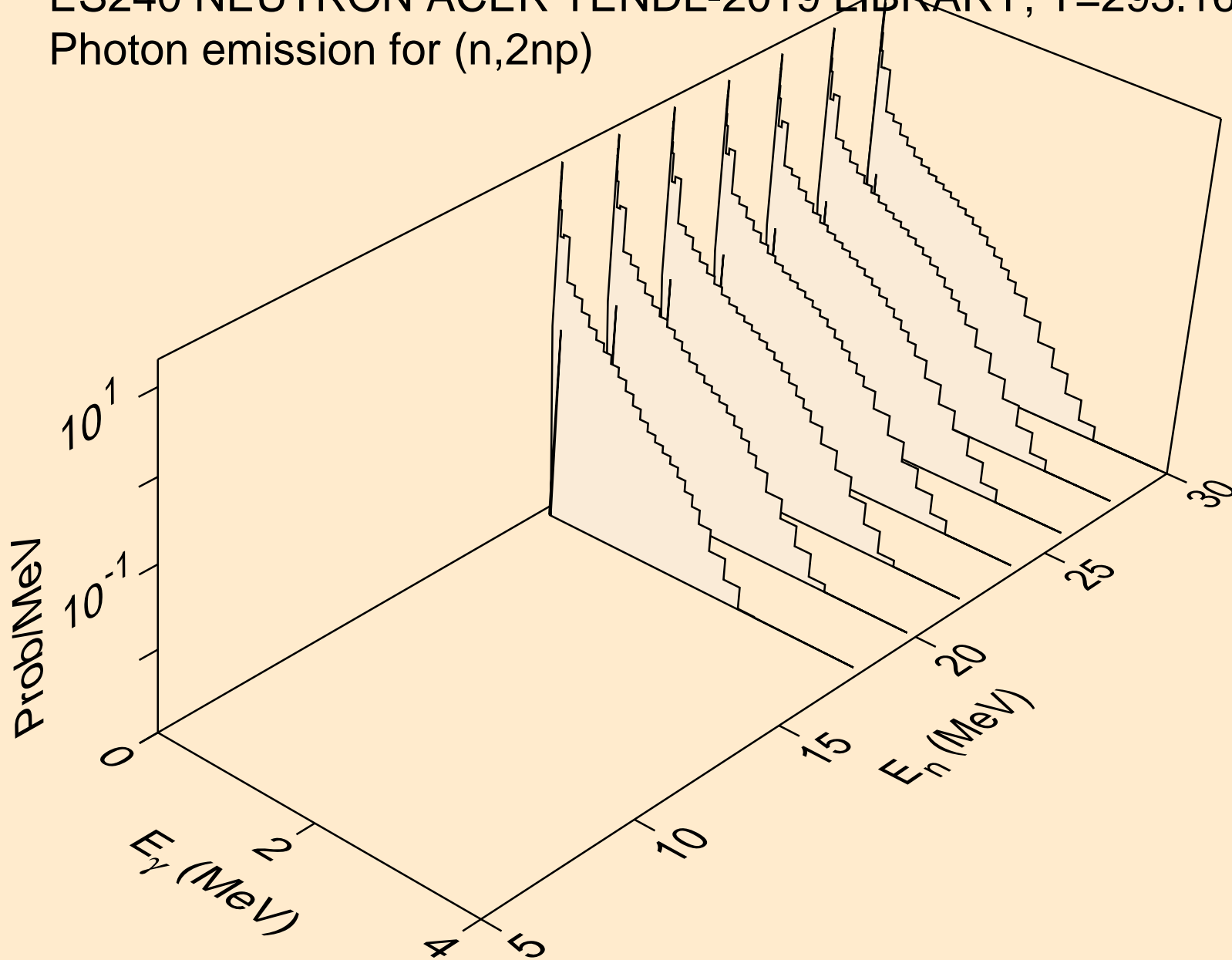
ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)t



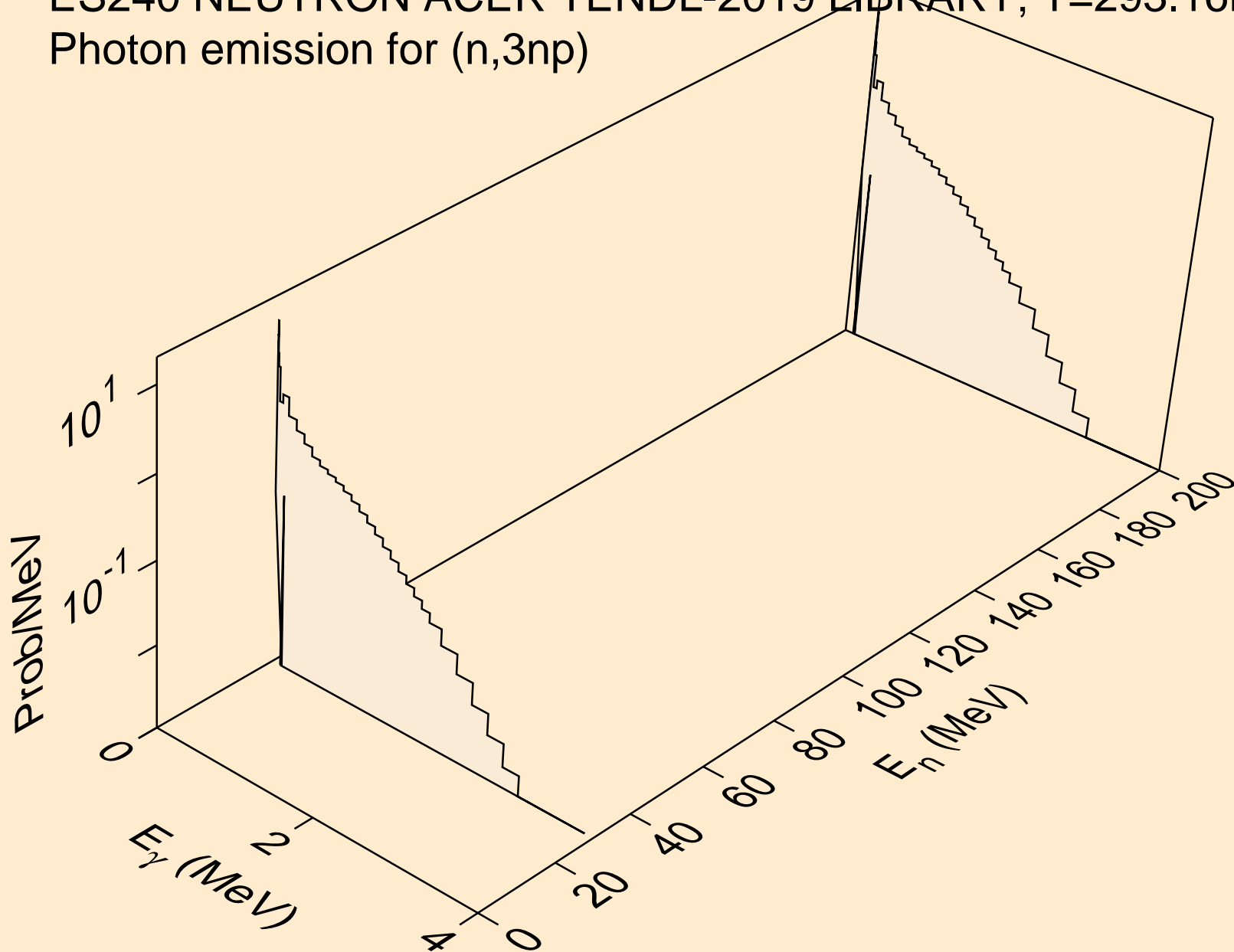
ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)he3



ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2np)

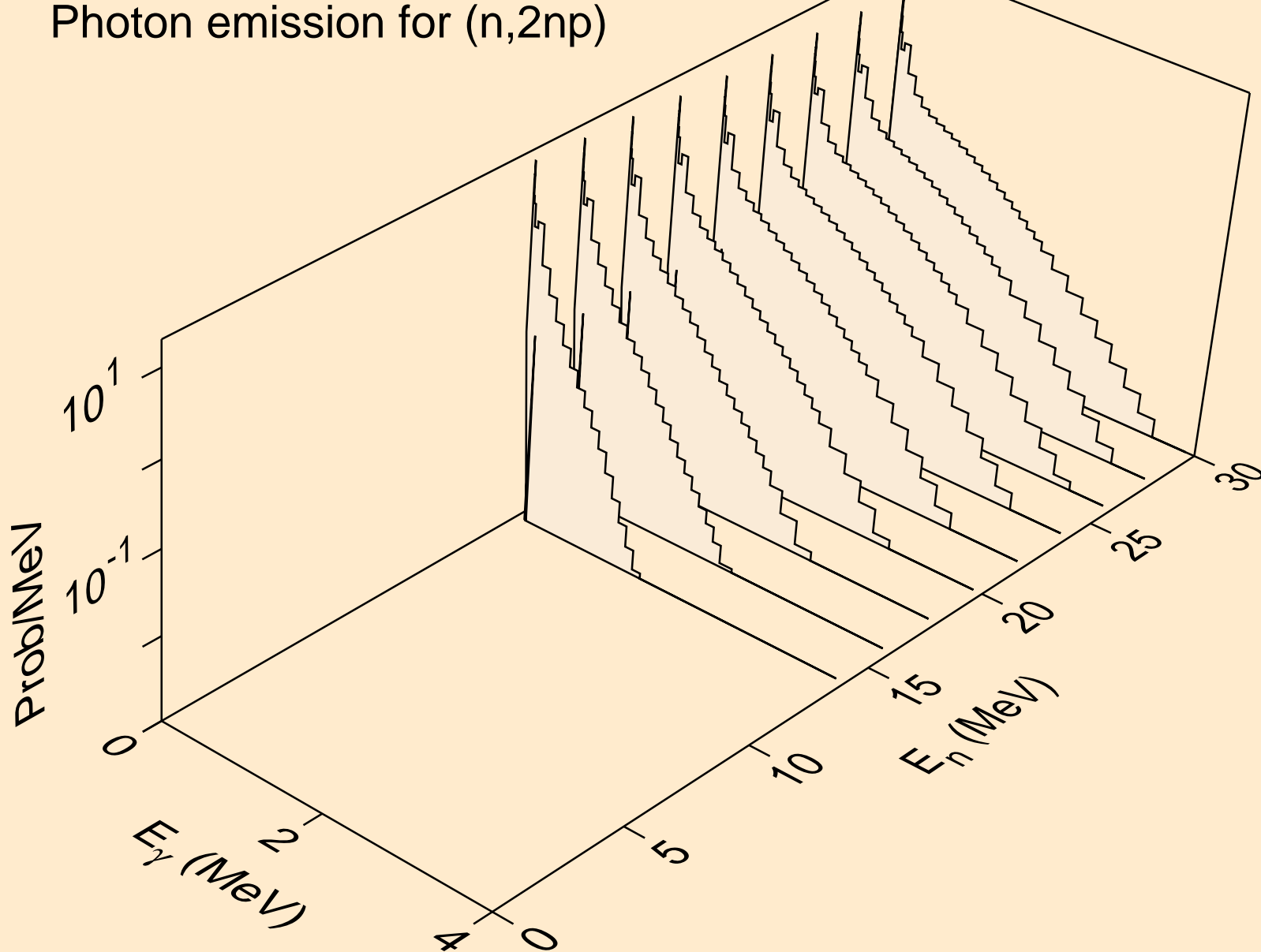


ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3np)

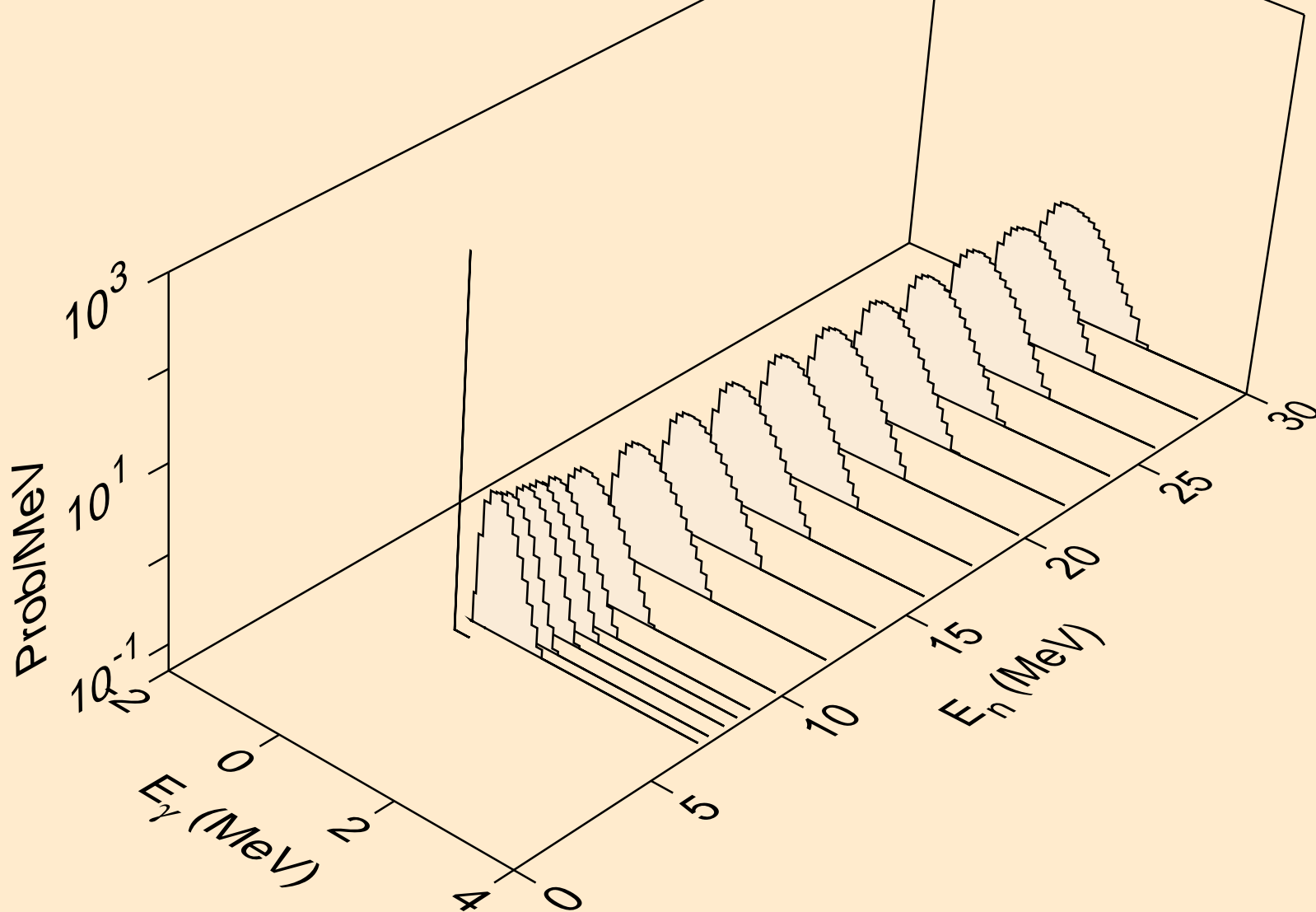




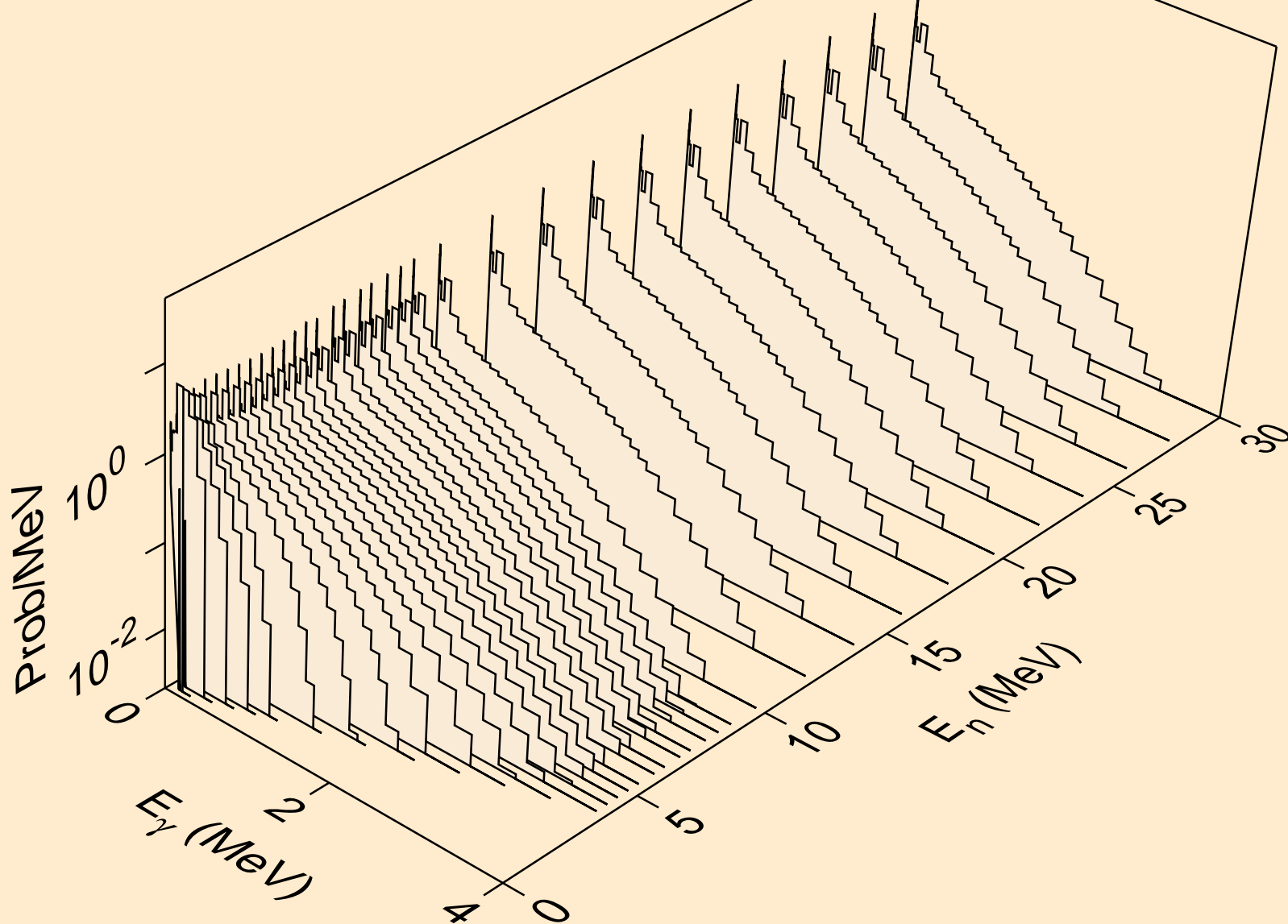
ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2np)



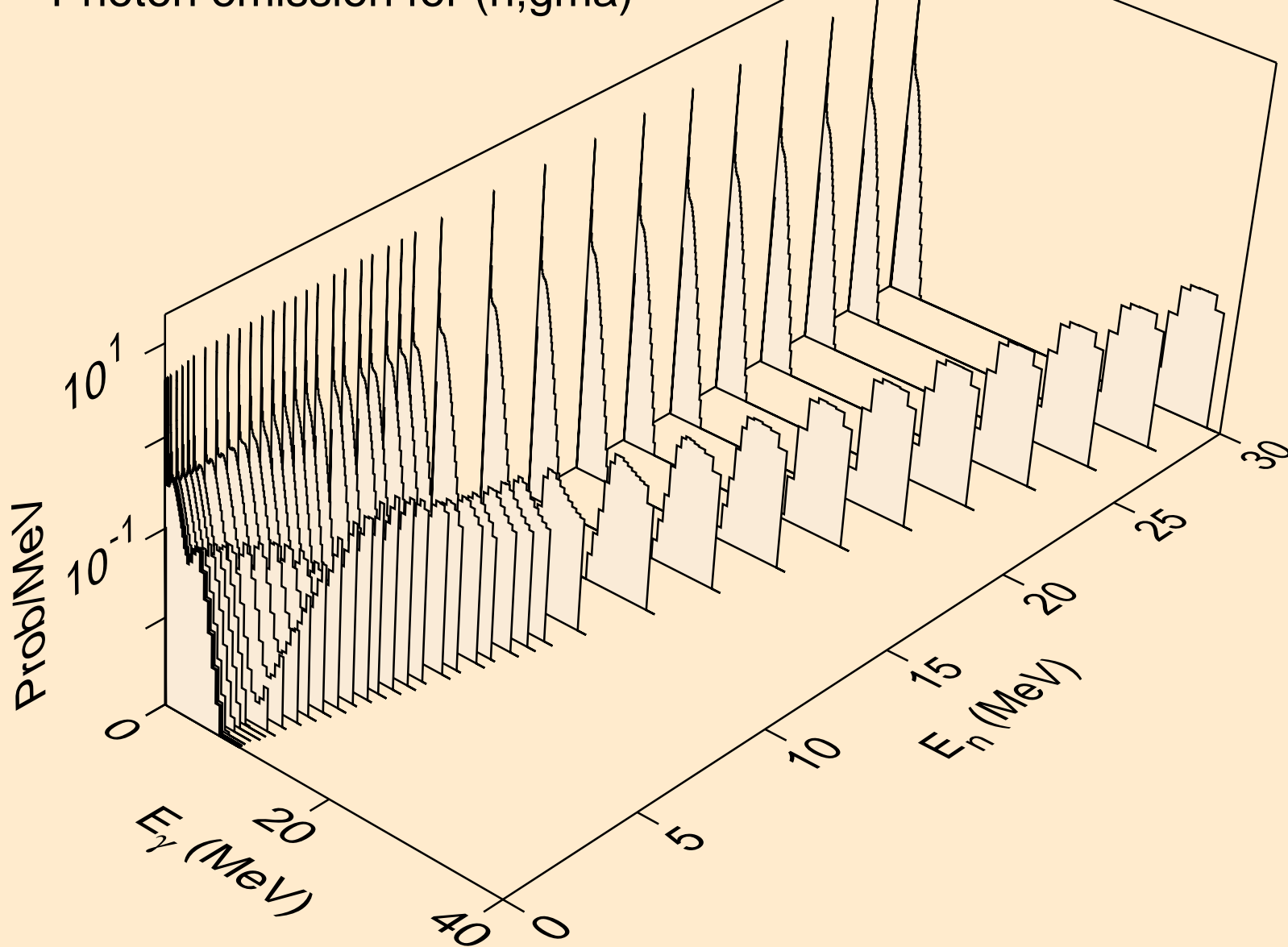
ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,npa)



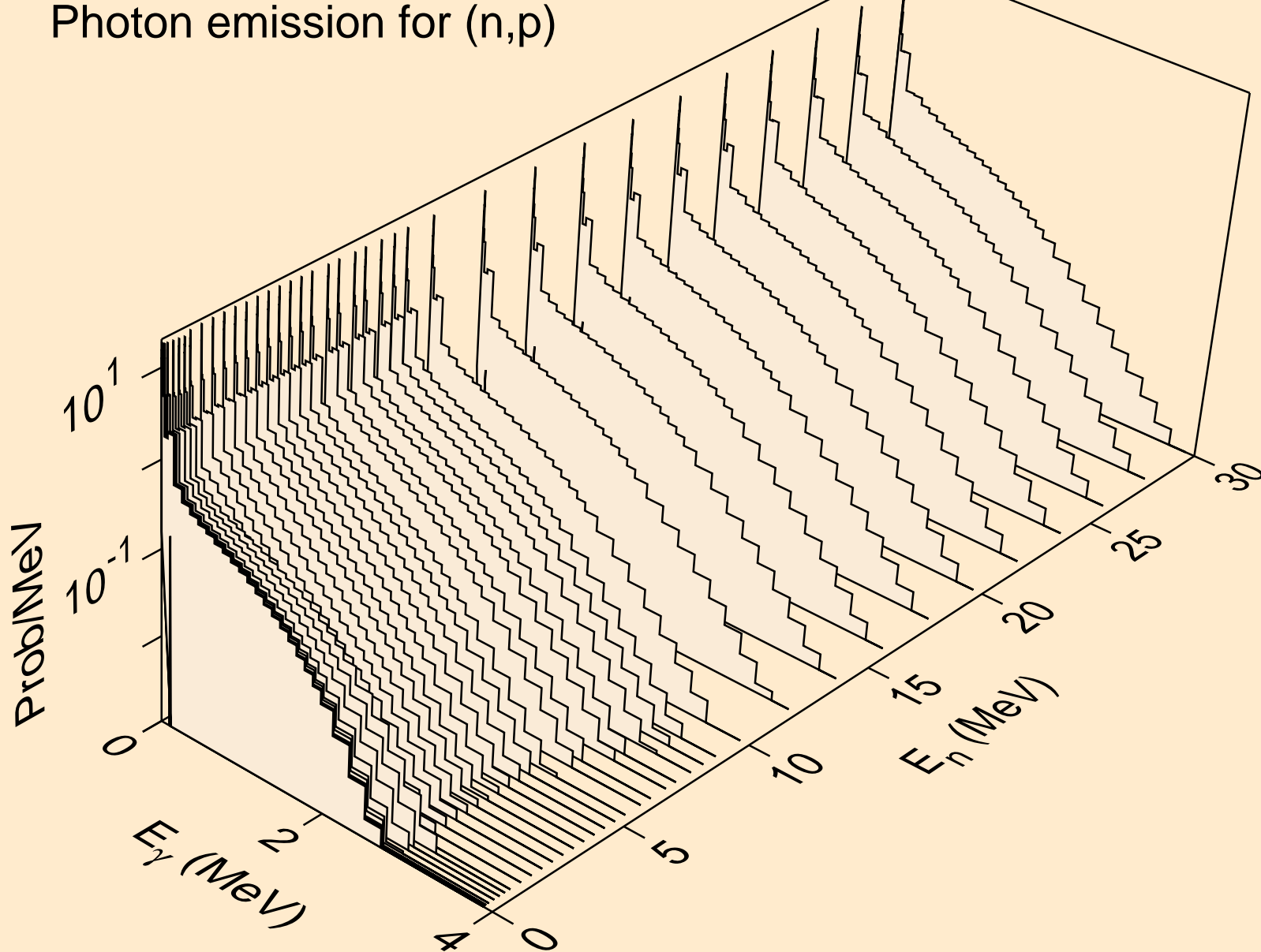
ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*c)



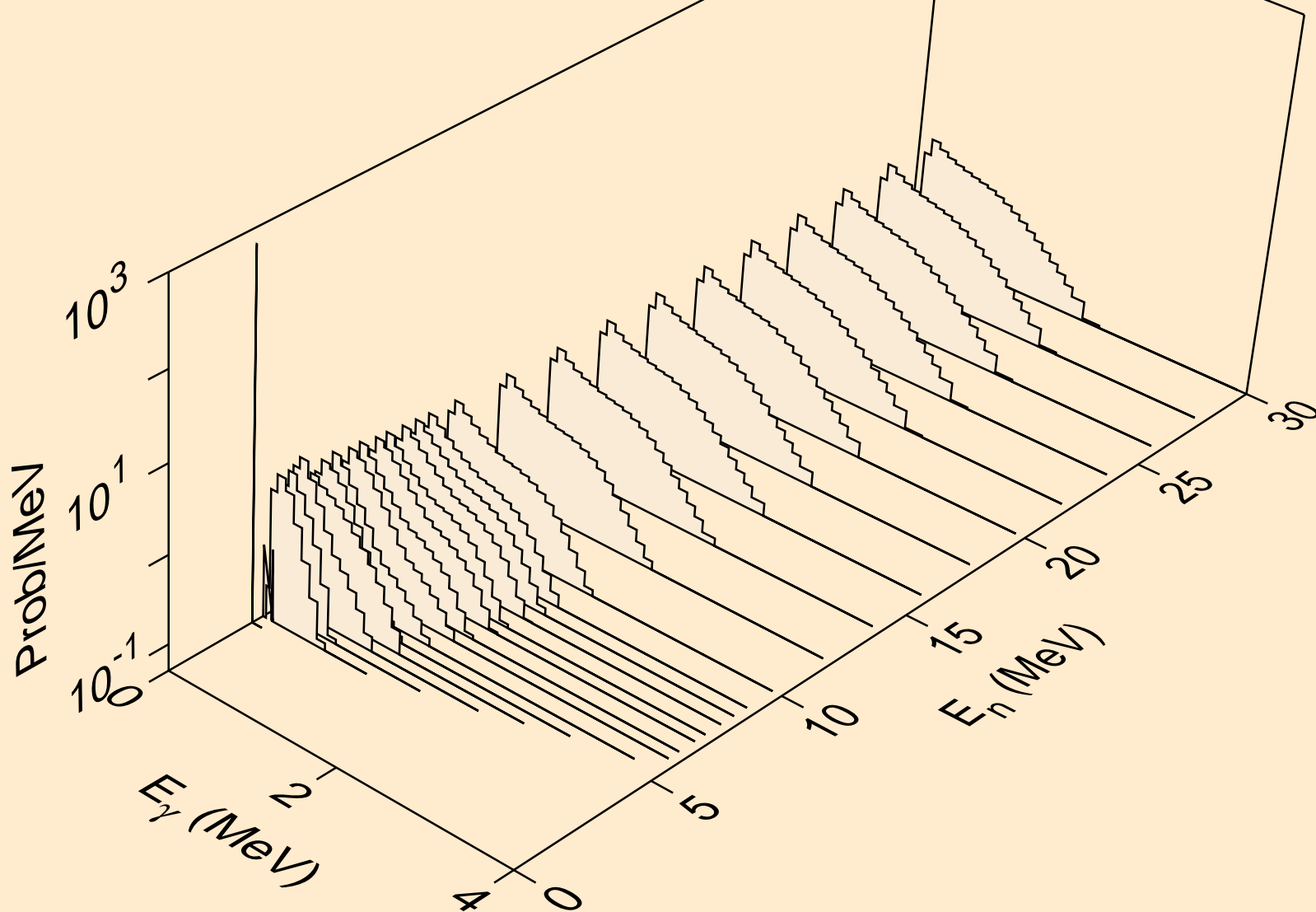
ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,gma)



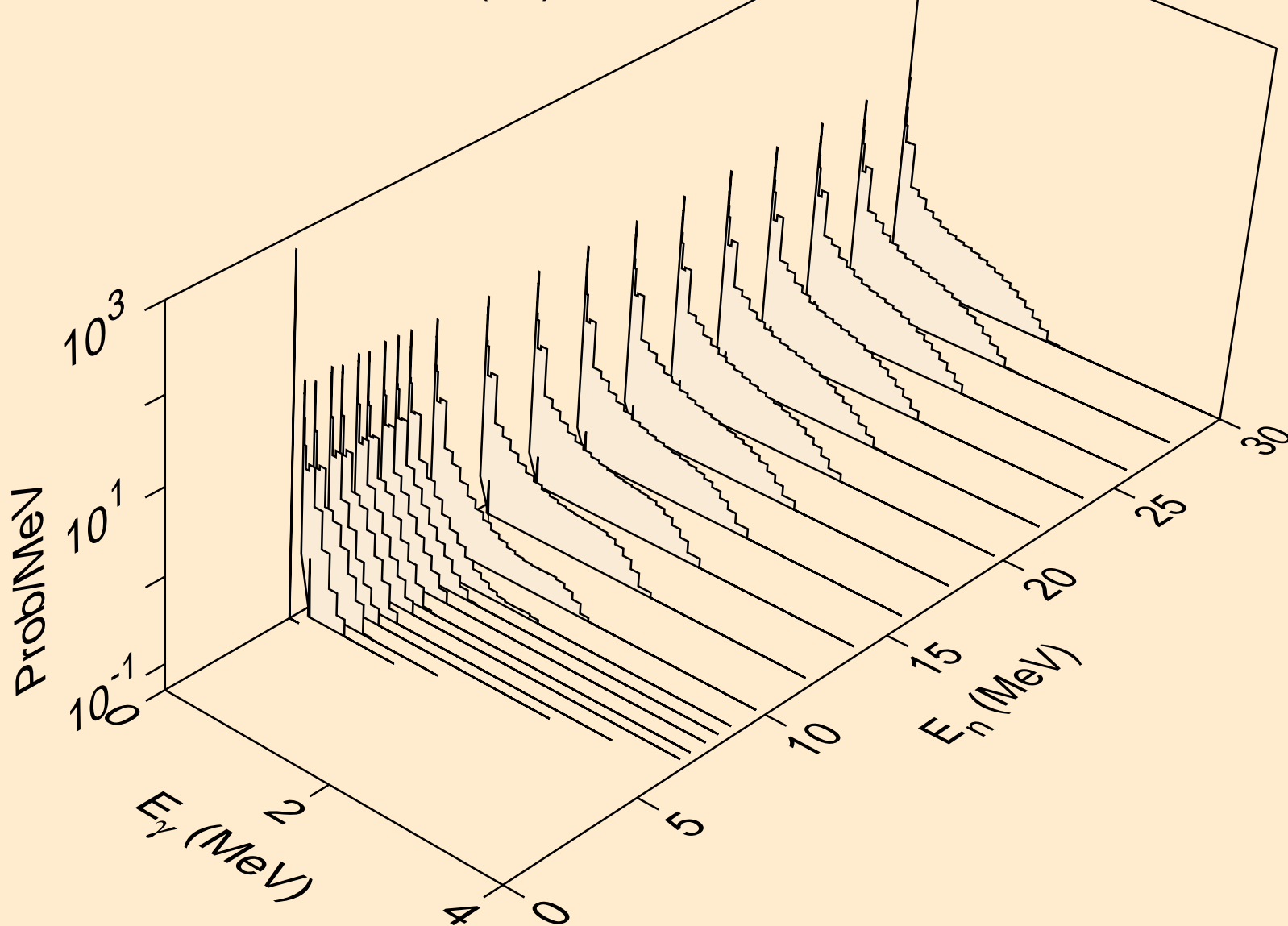
ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,p)



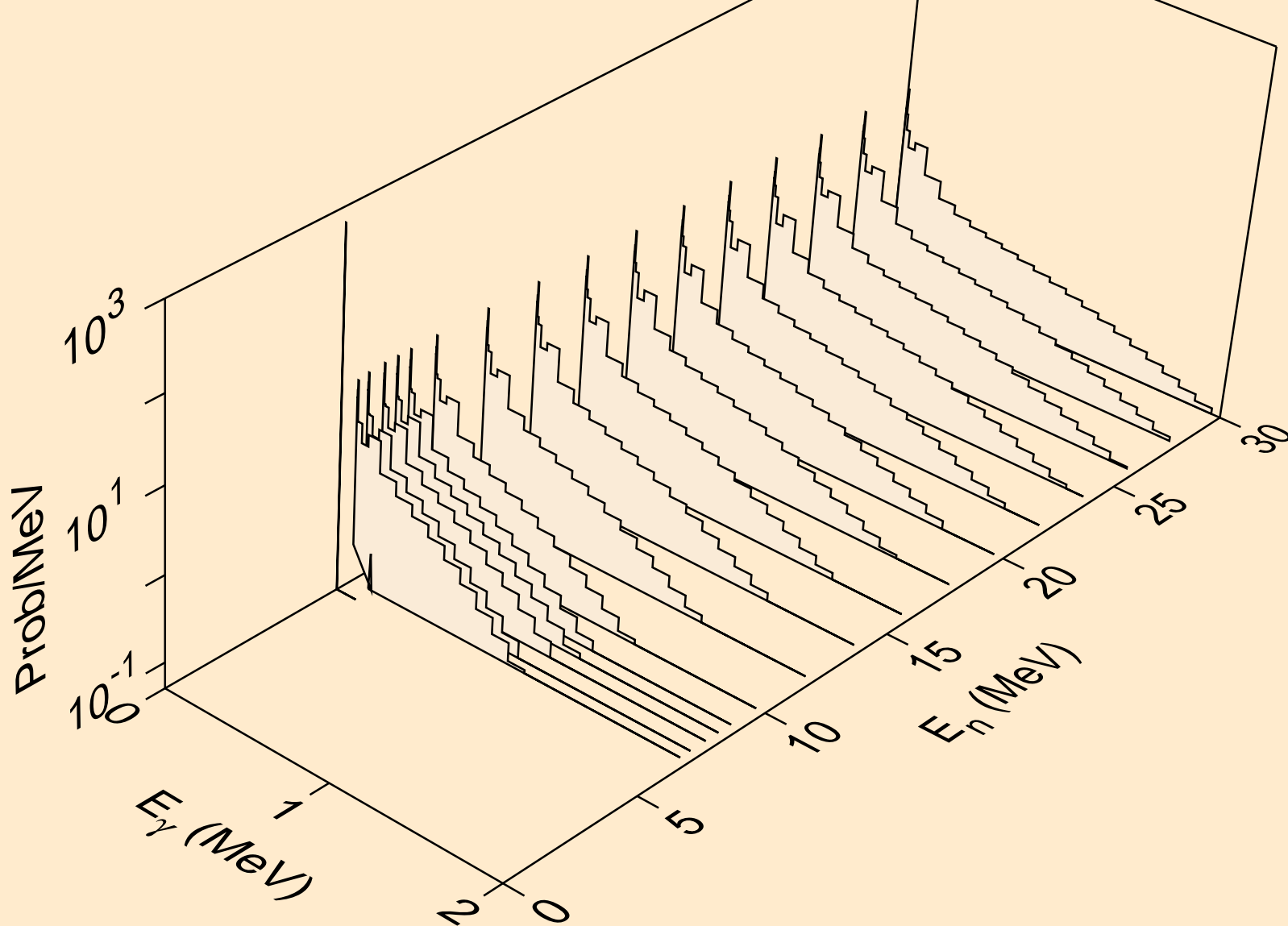
ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,d)



ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,t)

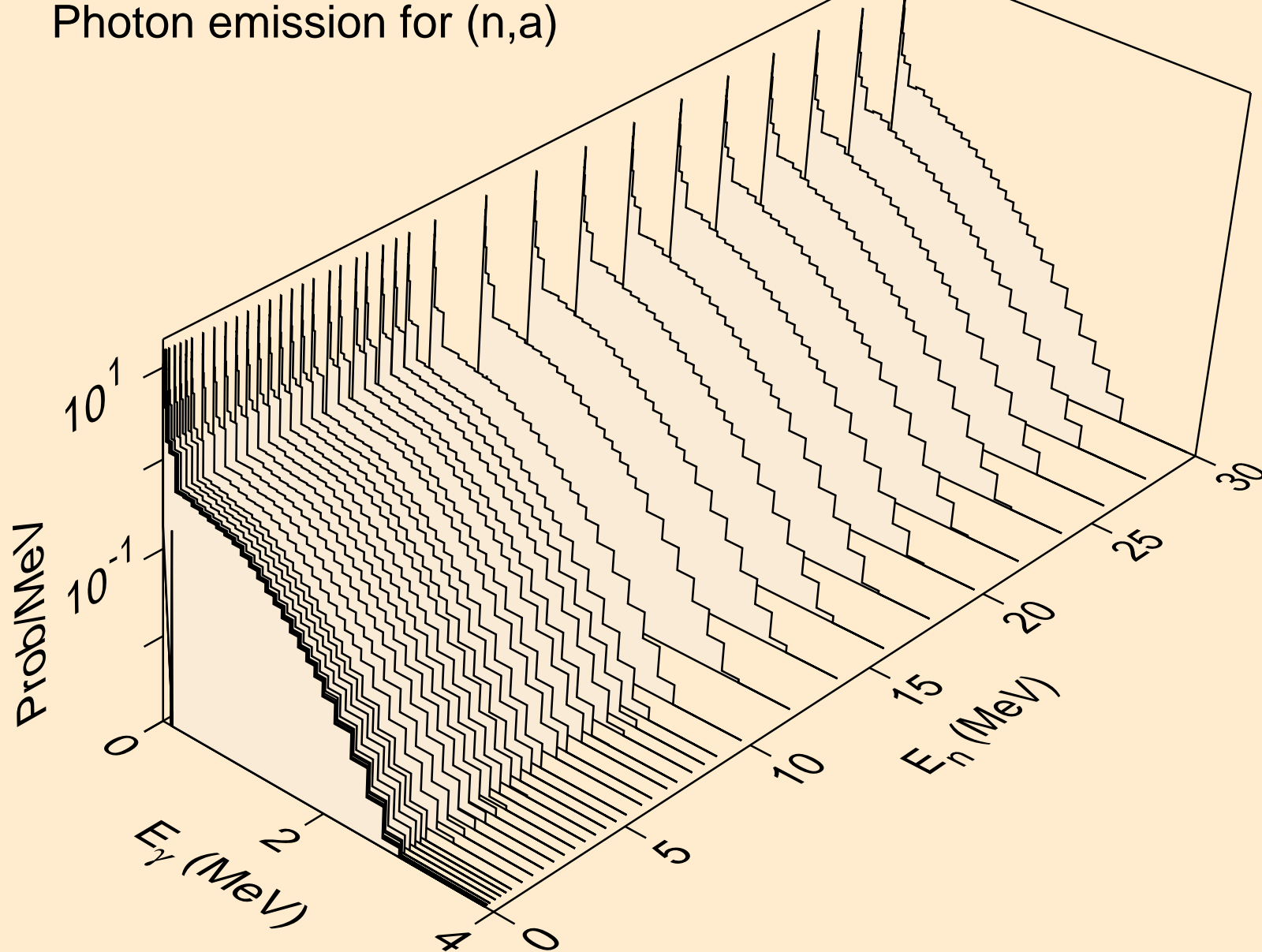


ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,he3)

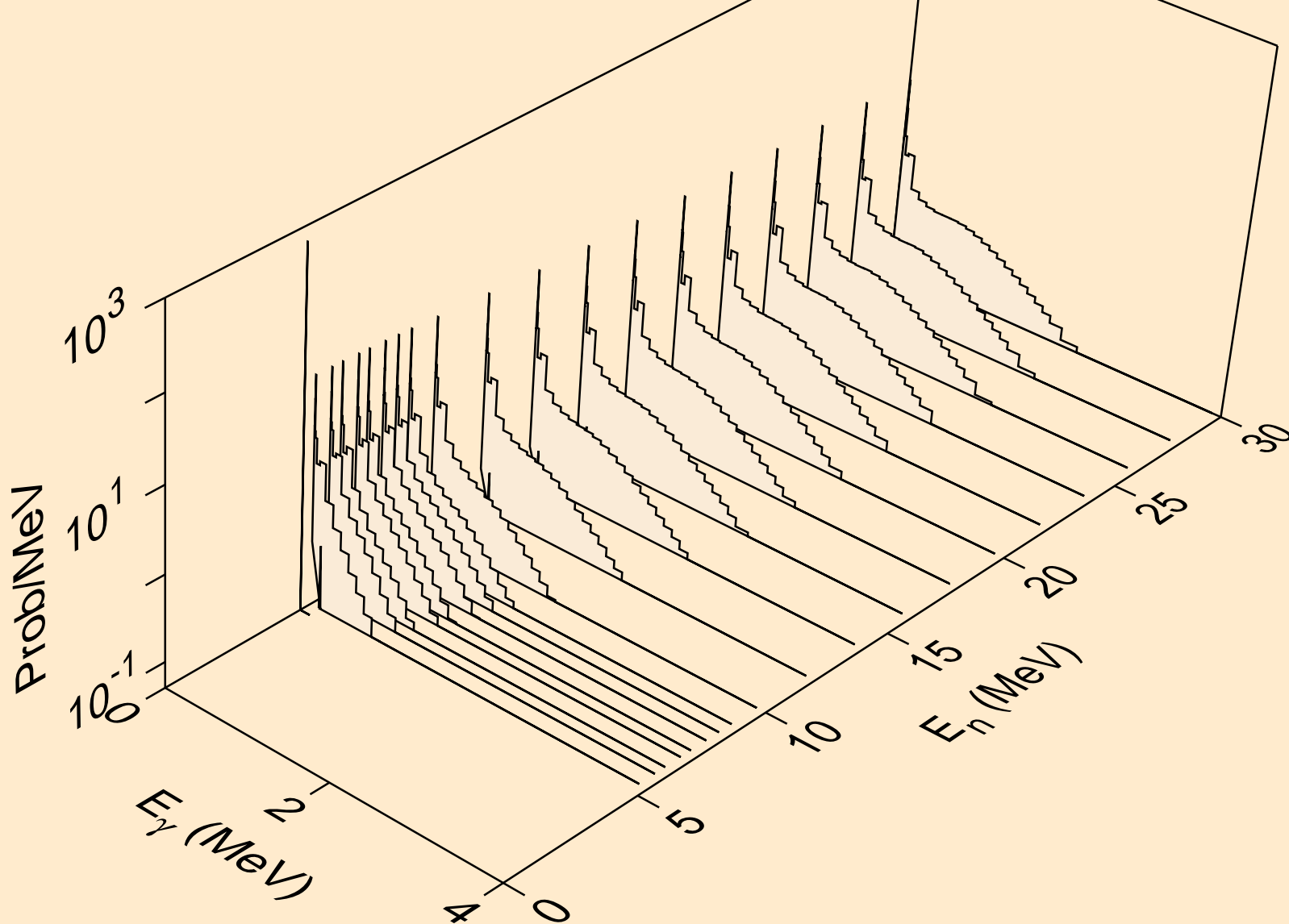




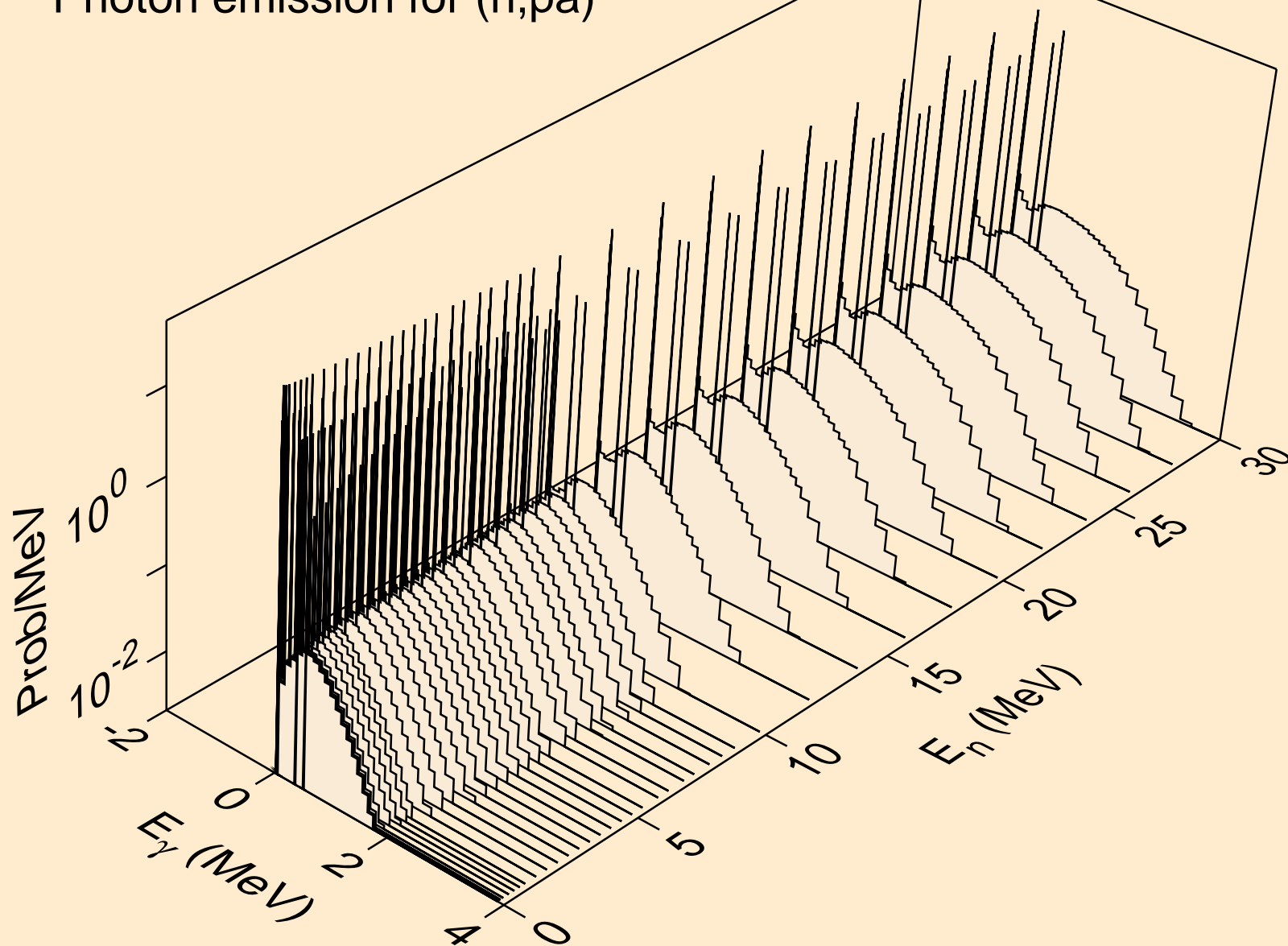
ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,a)



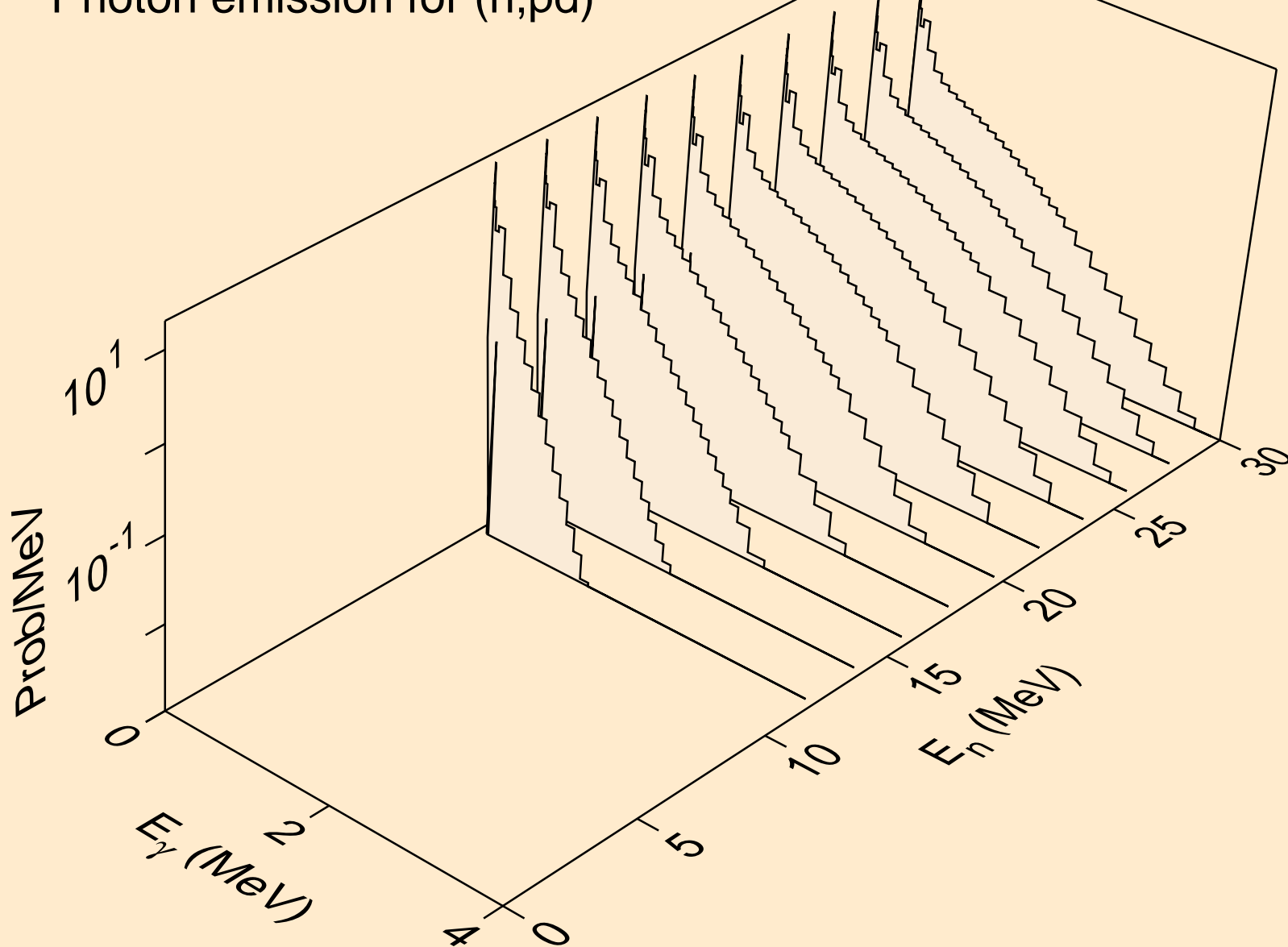
ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2p)



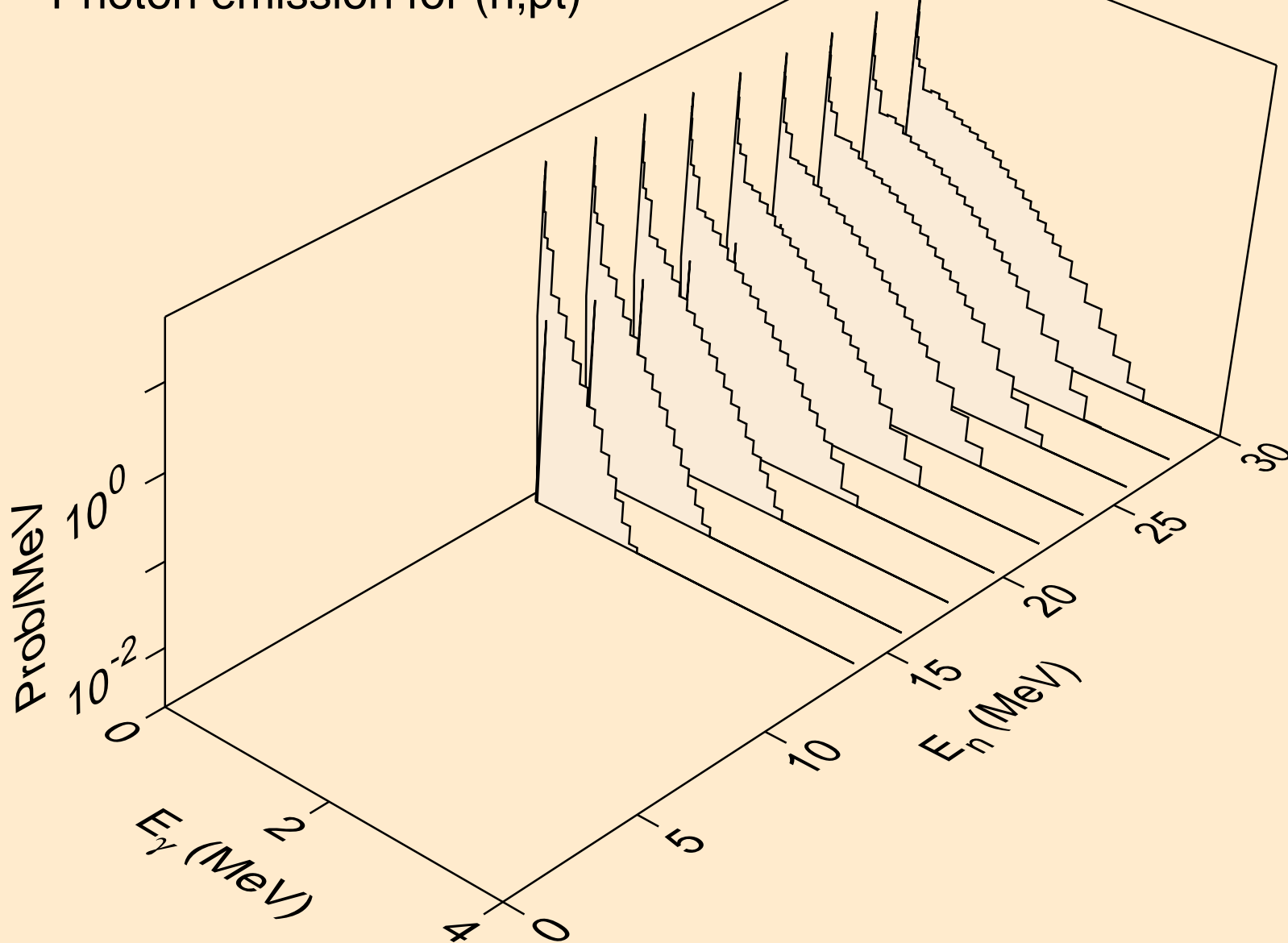
ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,p $\alpha$ )



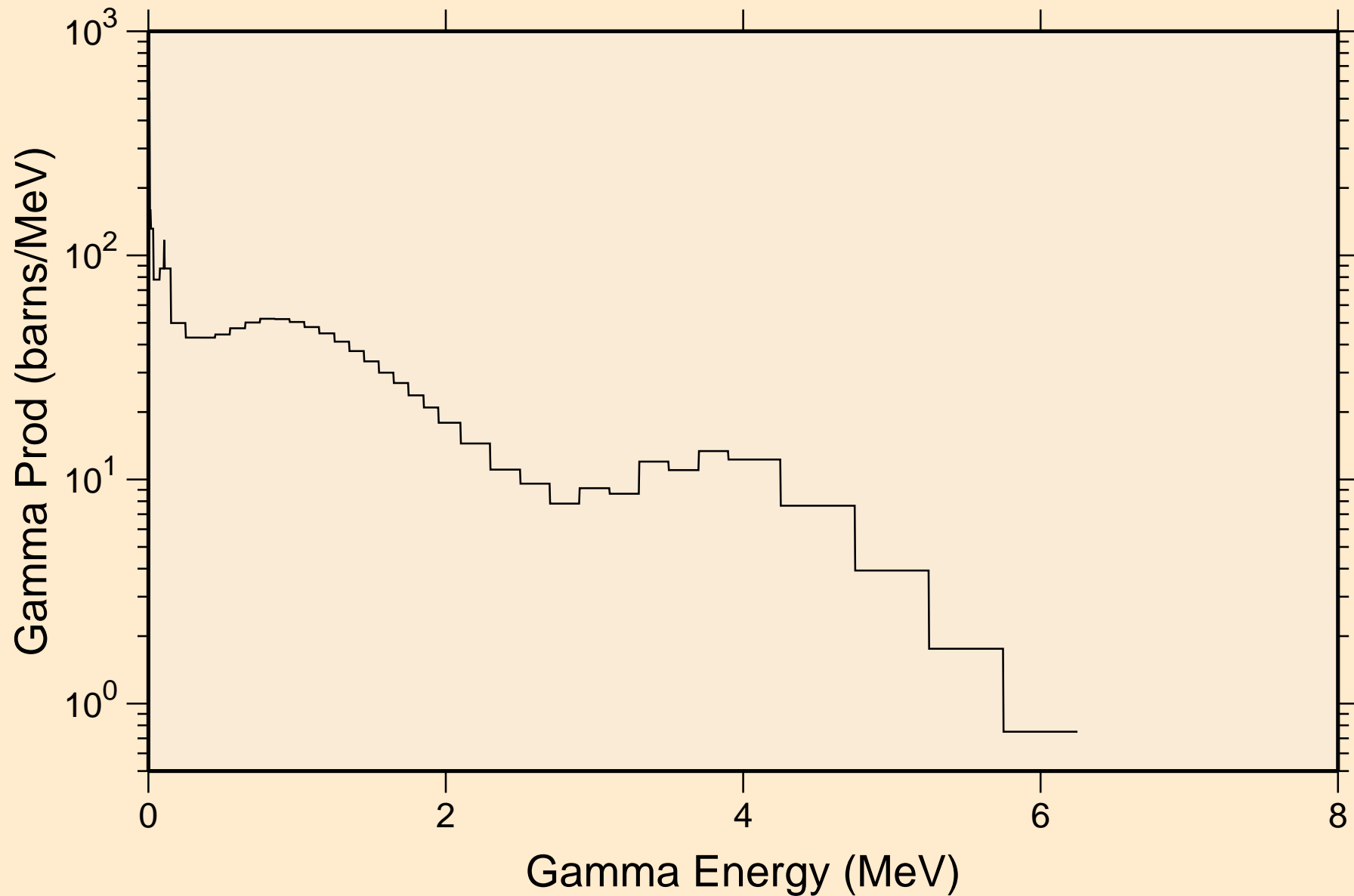
ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,pd)



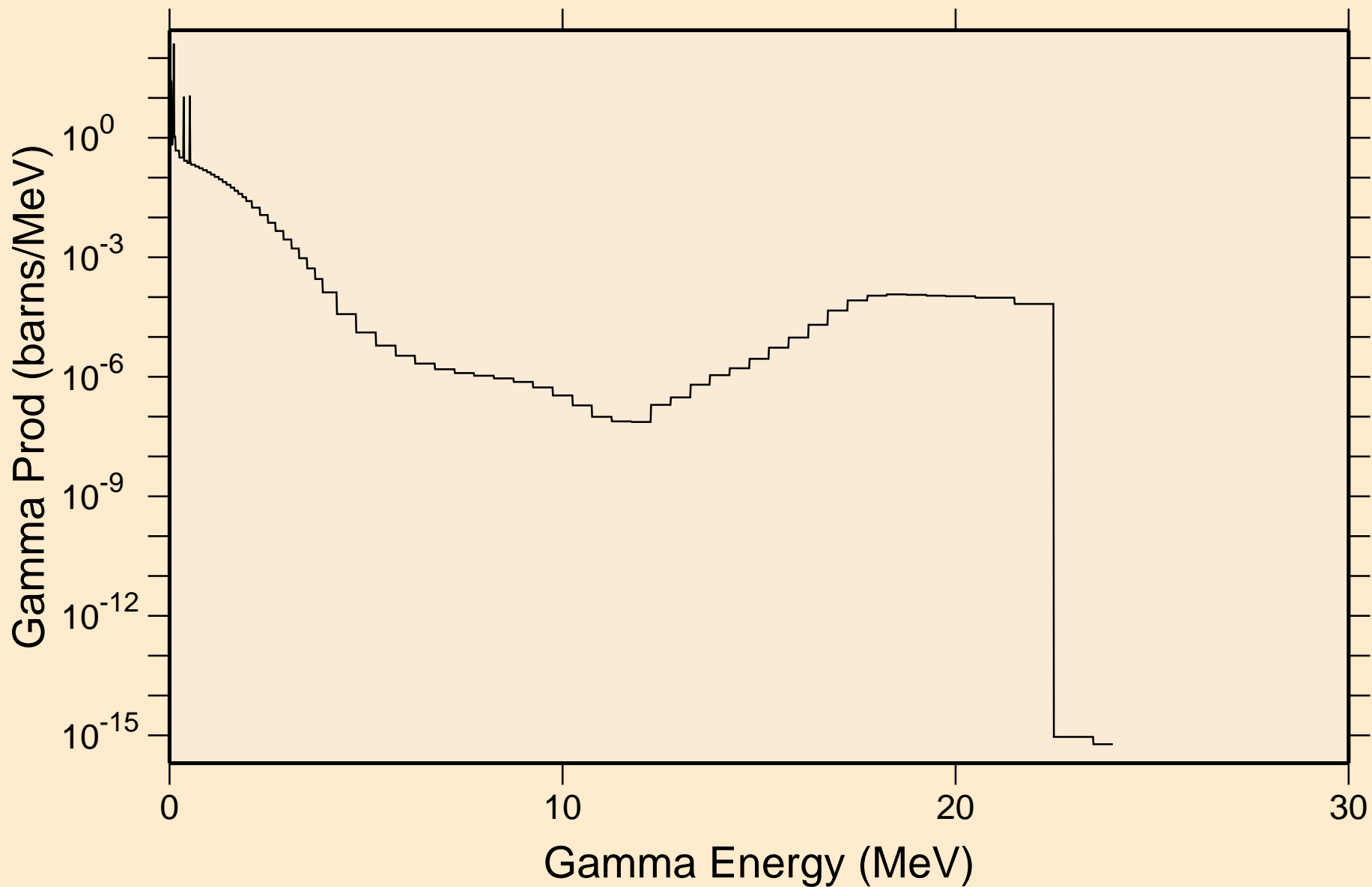
ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,pt)



ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
thermal capture photon spectrum

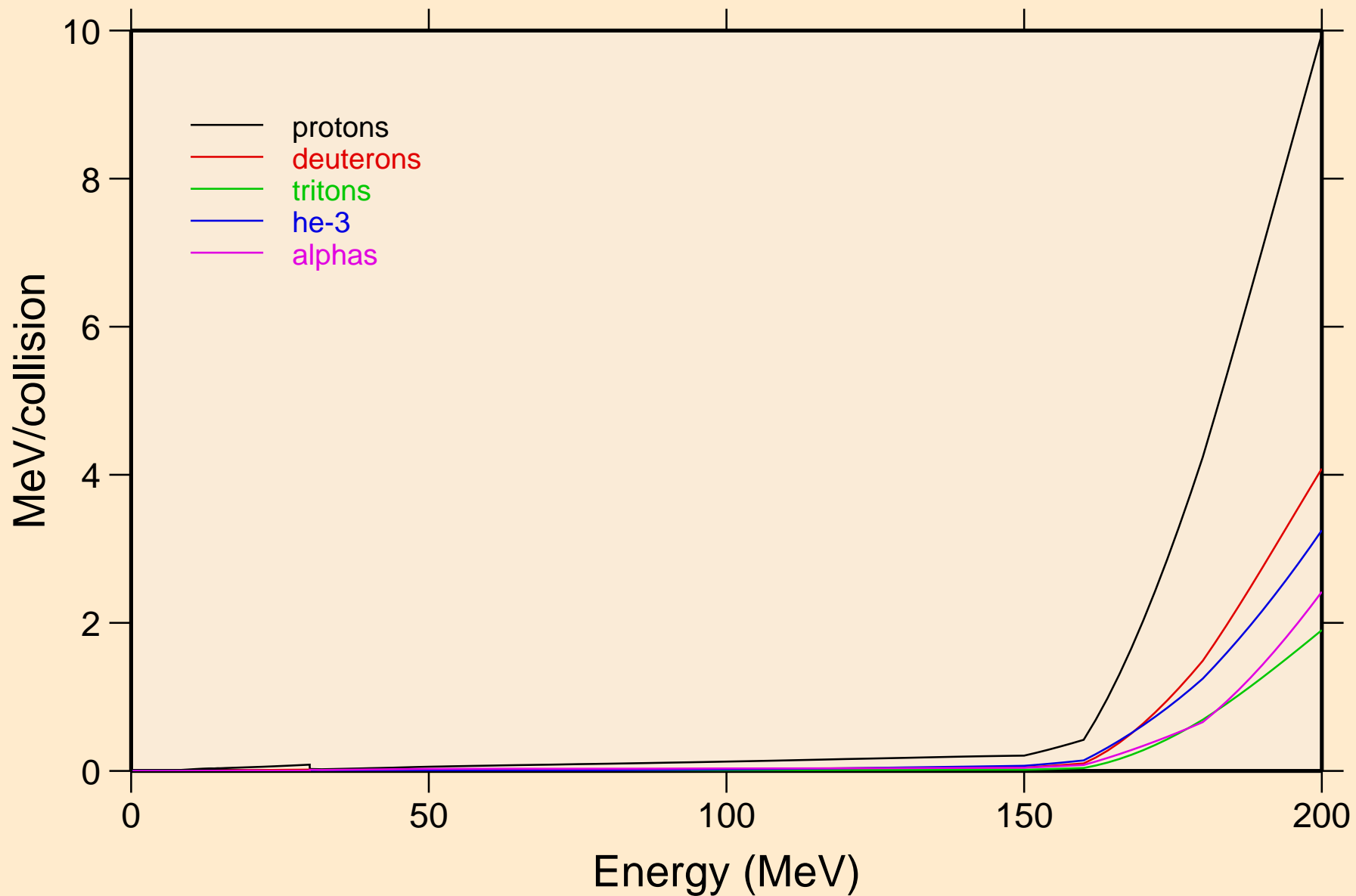


ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
14 MeV photon spectrum



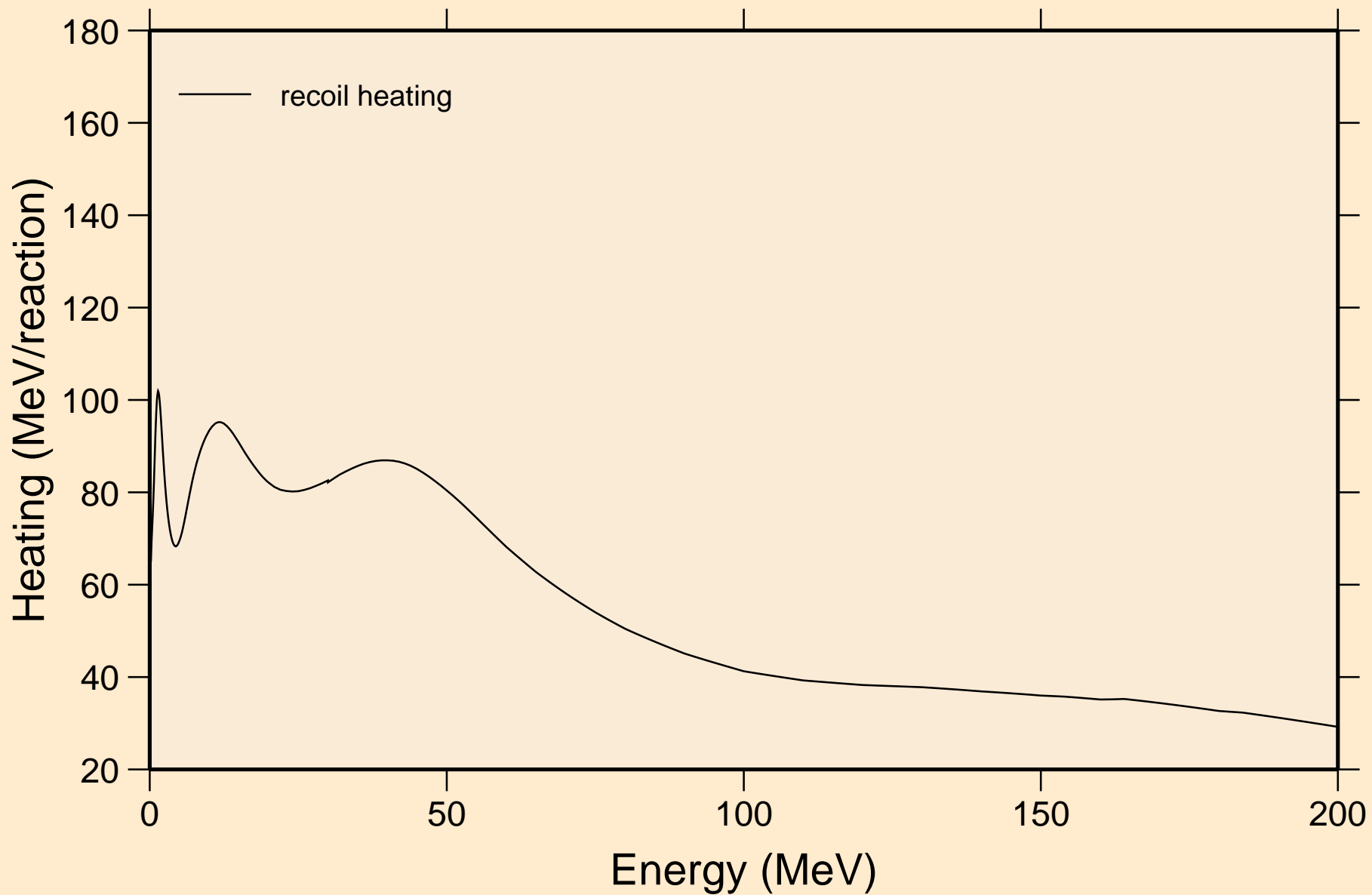
# ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Particle heating contributions



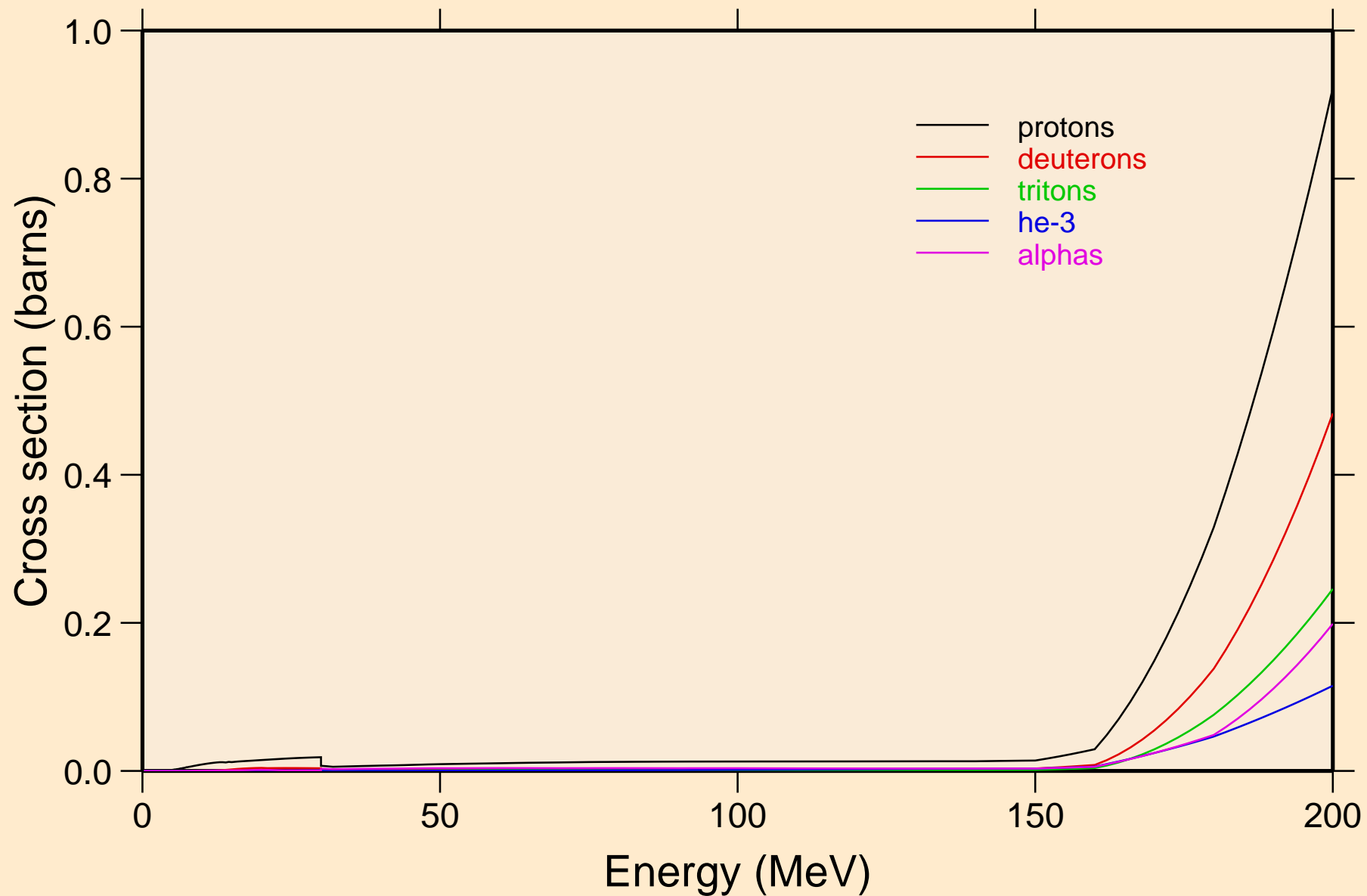


ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Recoil Heating

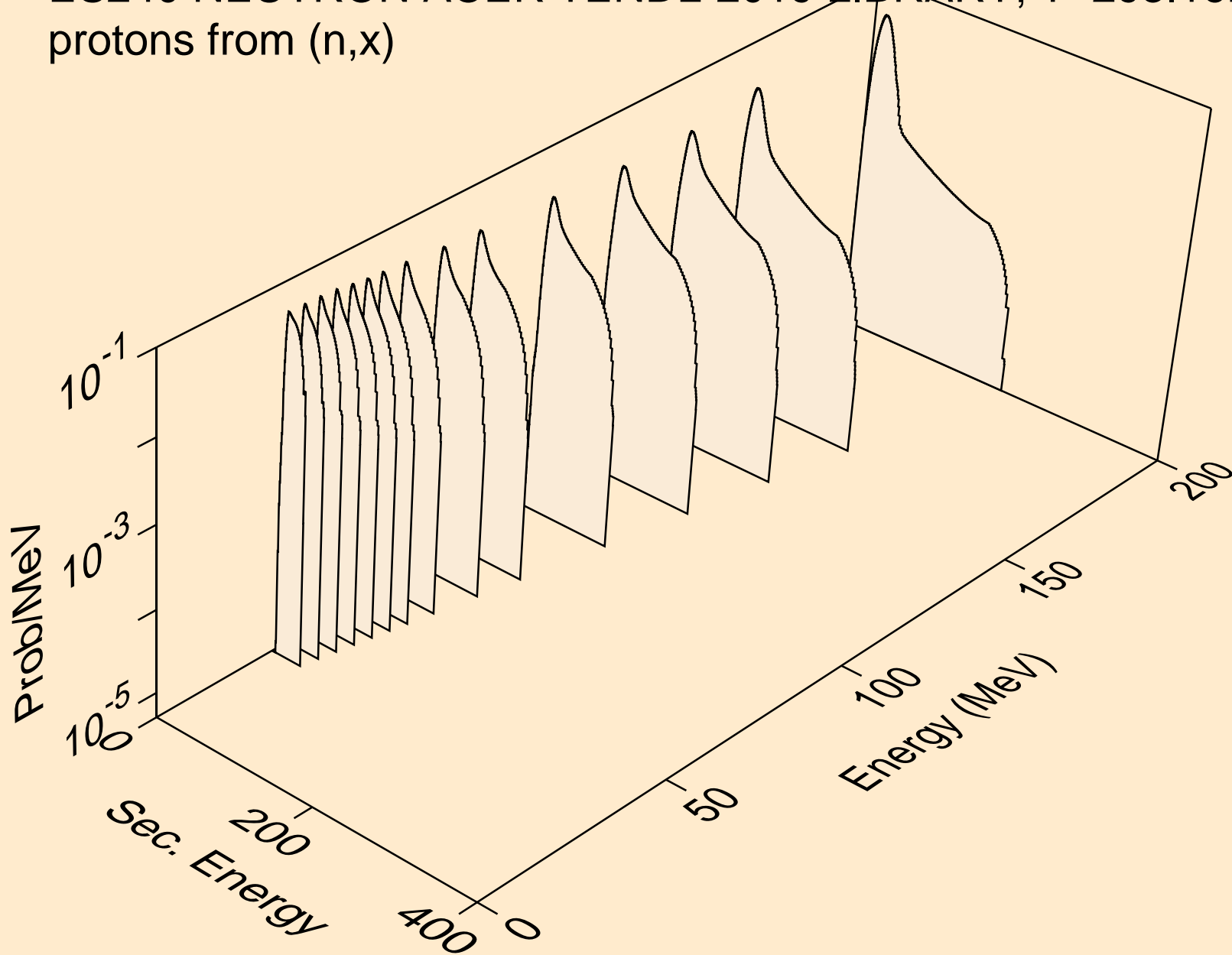


# ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

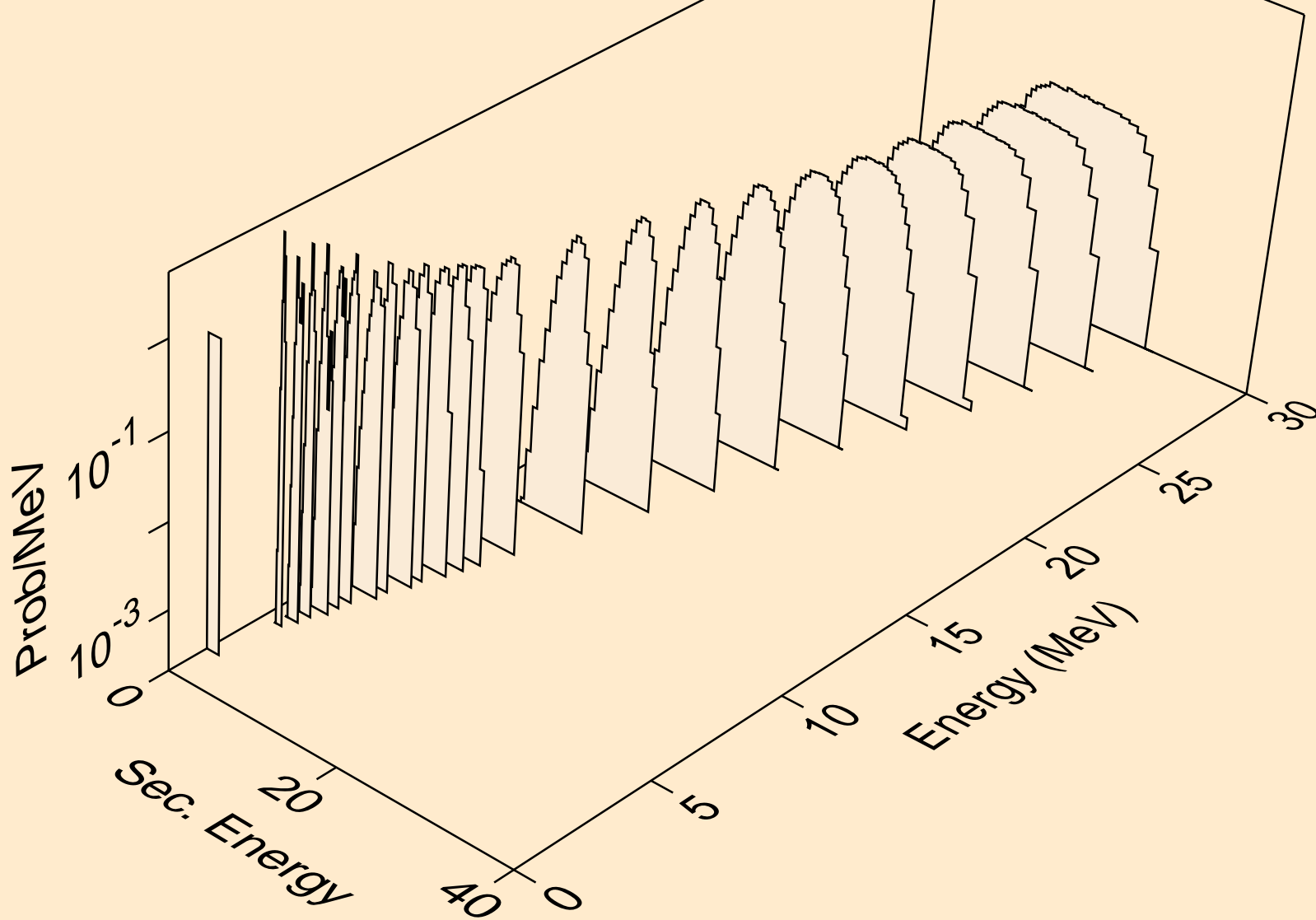
## Particle production cross sections



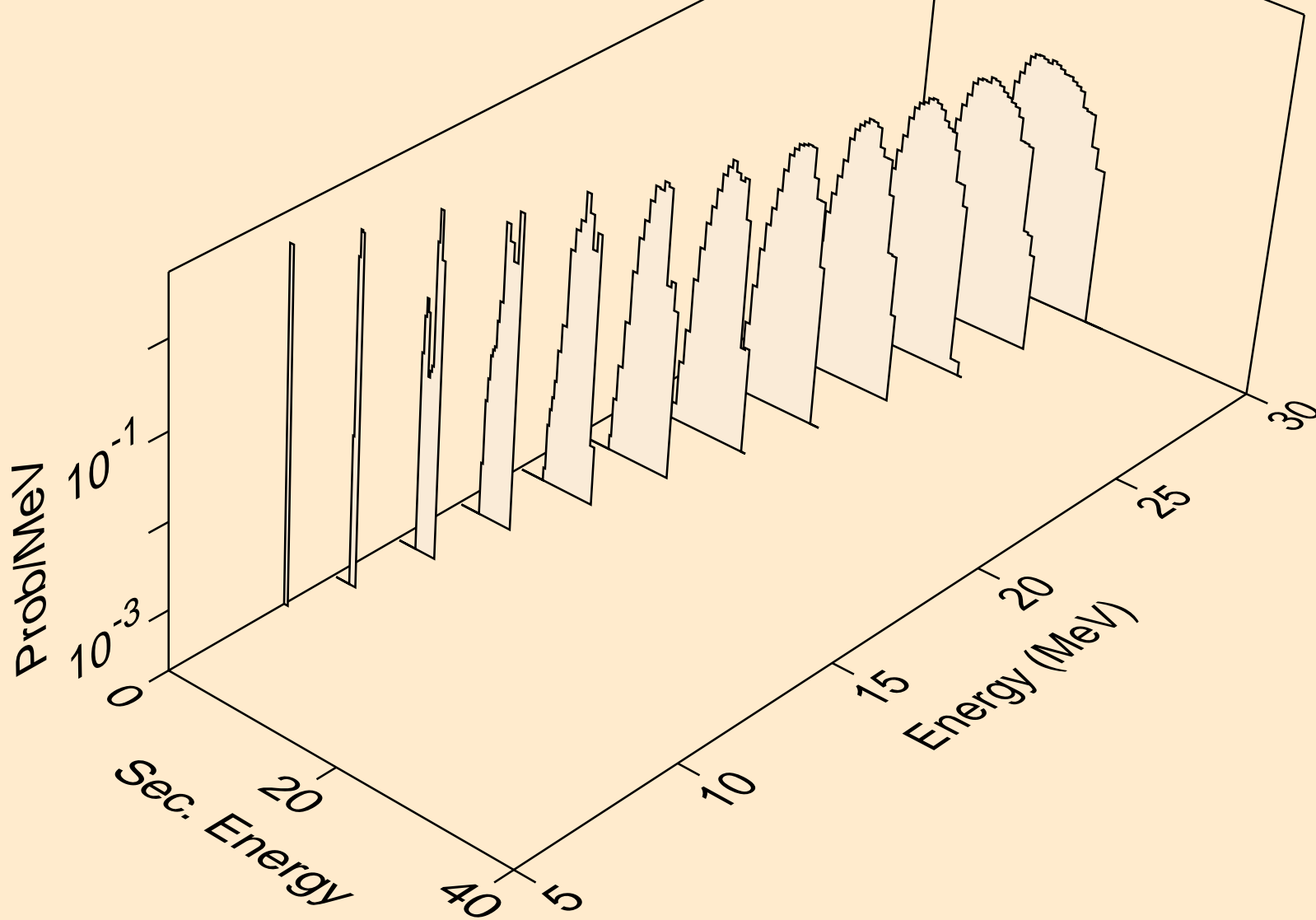
ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,x)



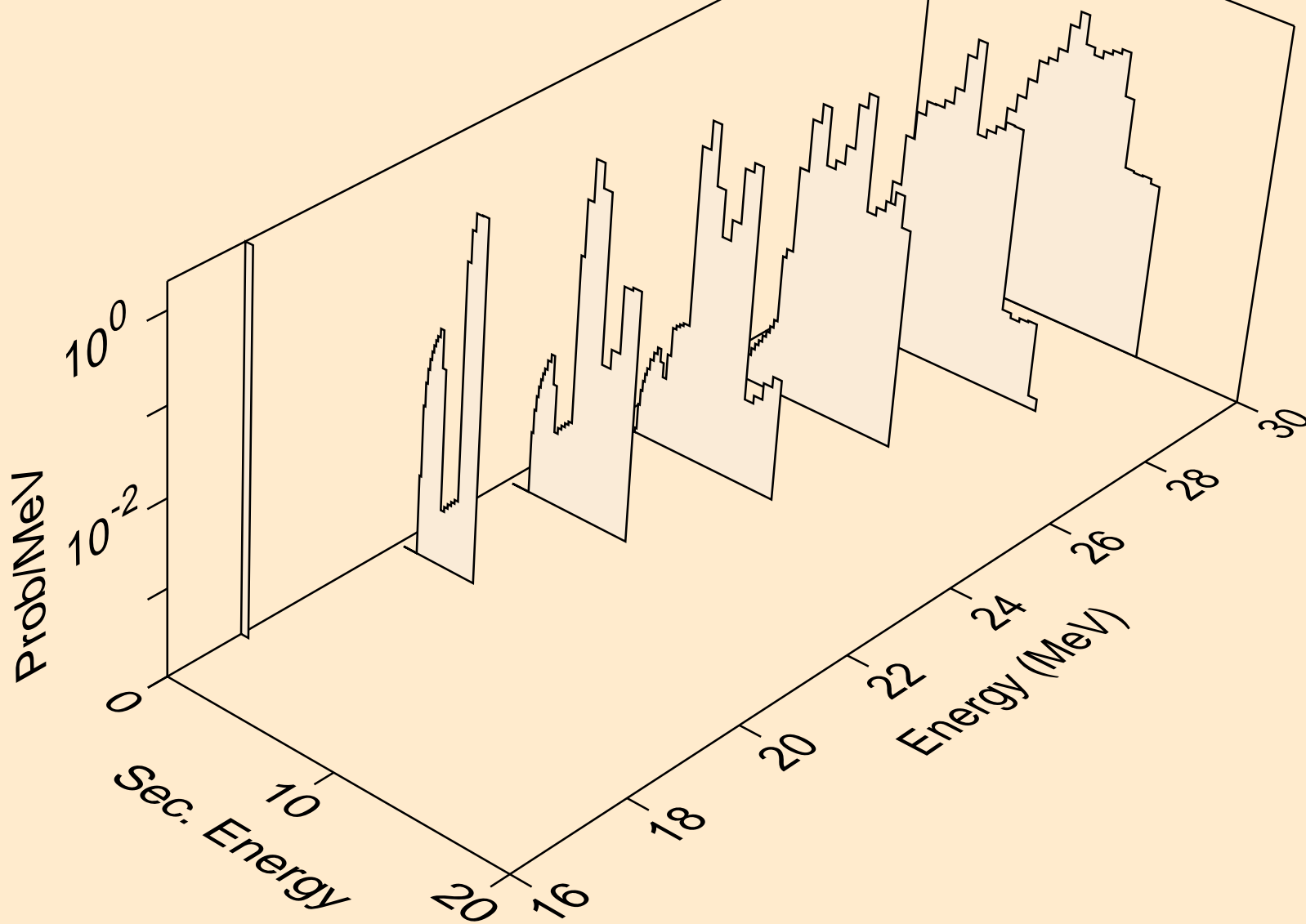
ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,n\*)p



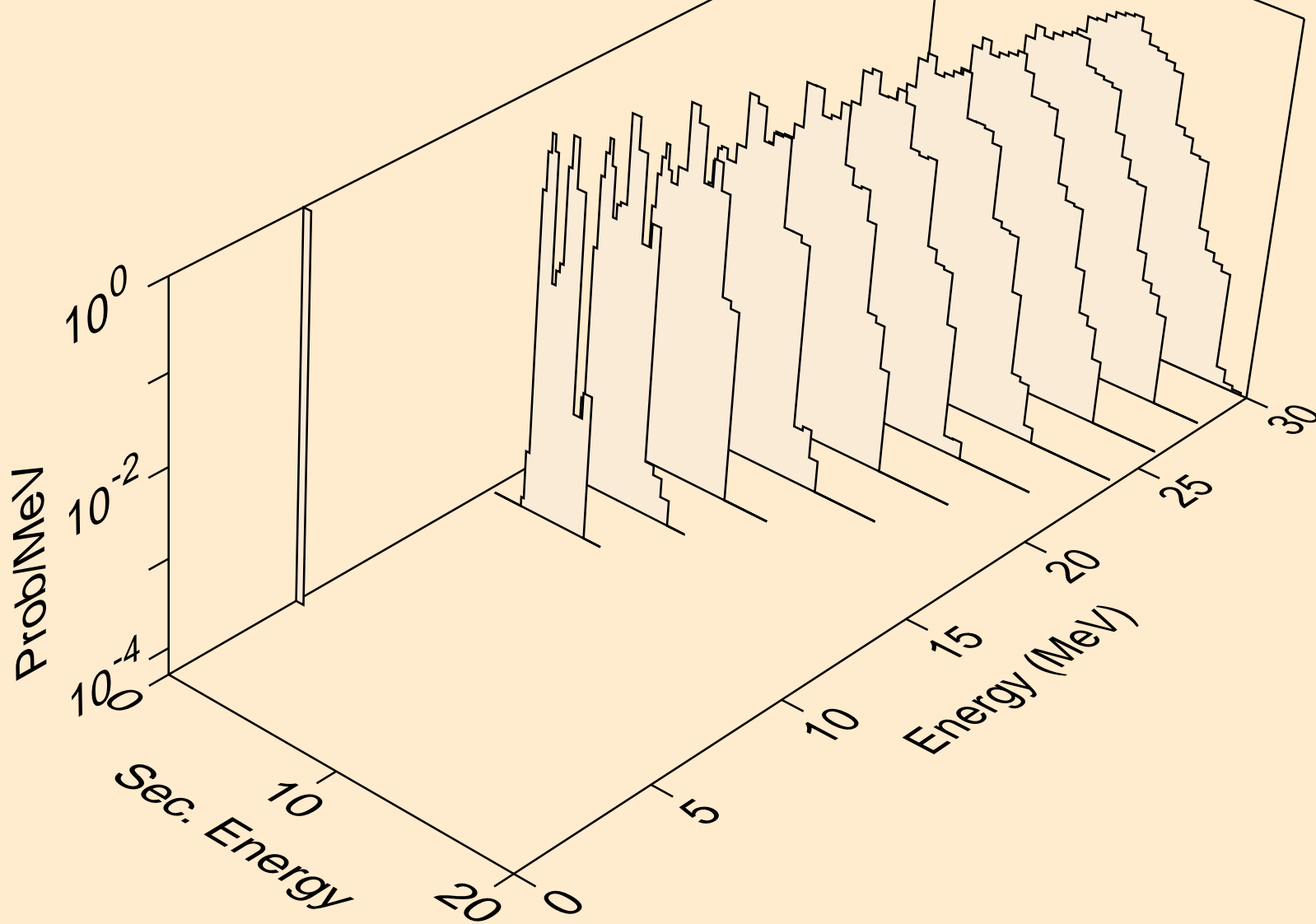
ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,2np)



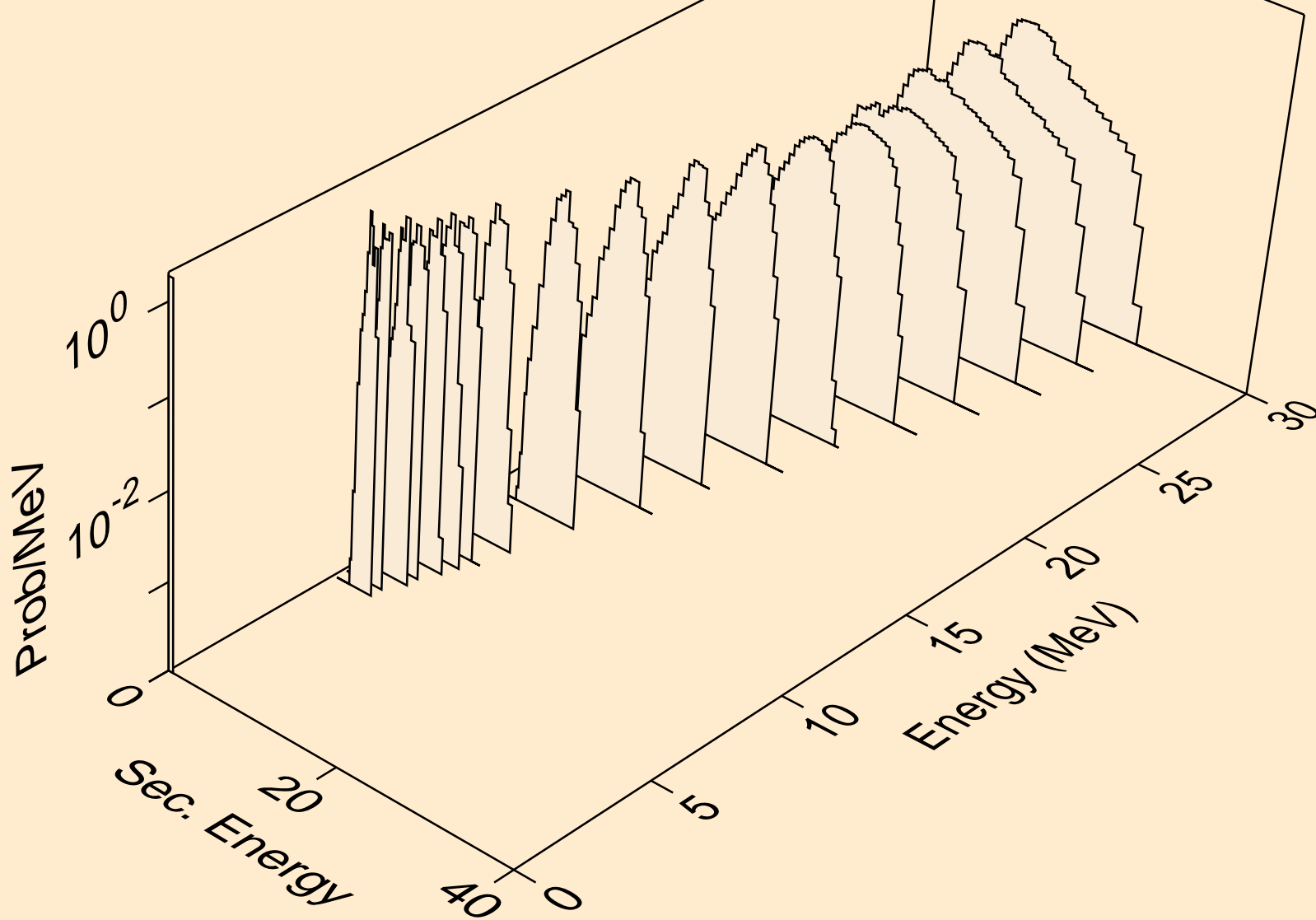
ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,3np)



ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,2np)

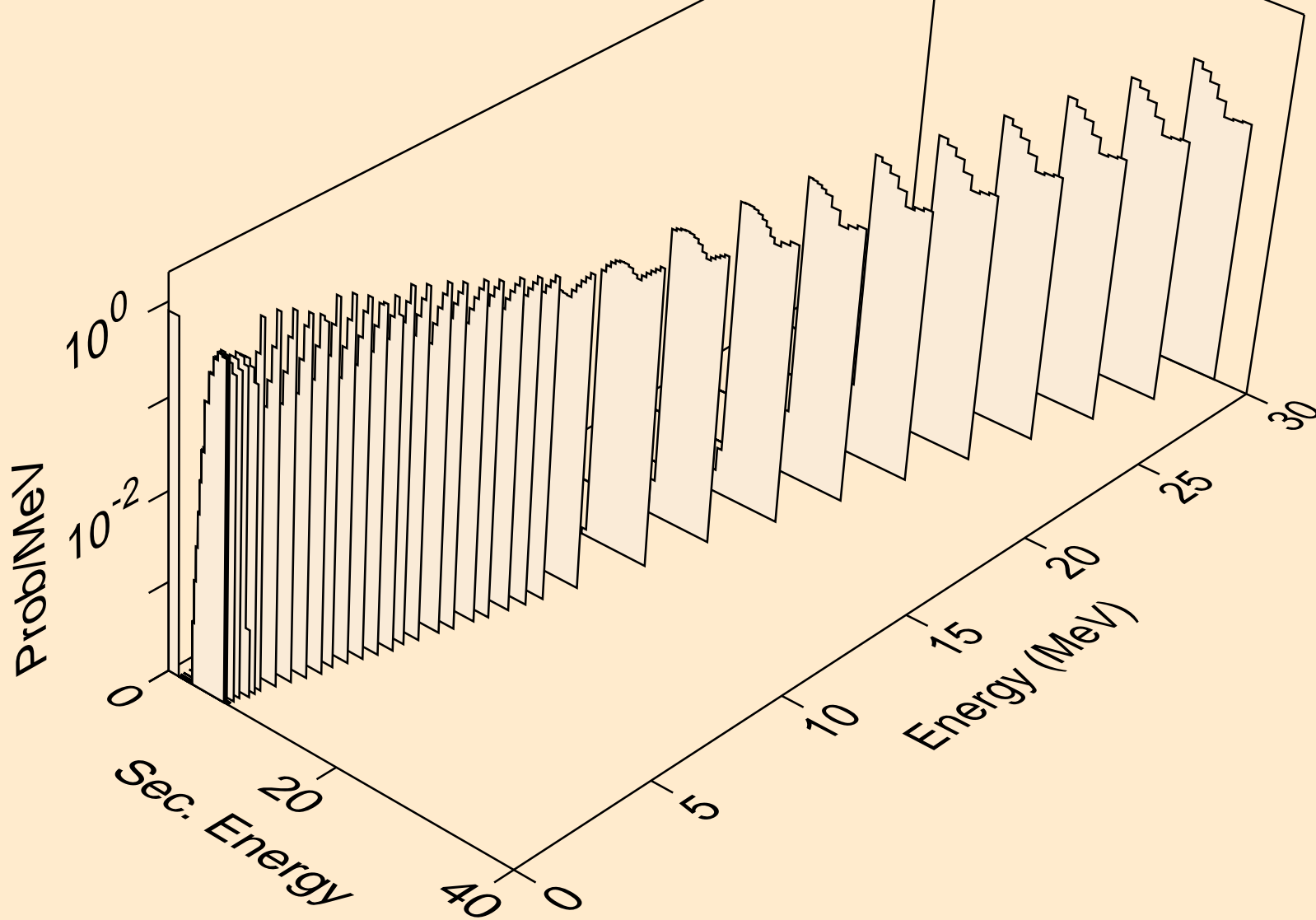


ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,npa)

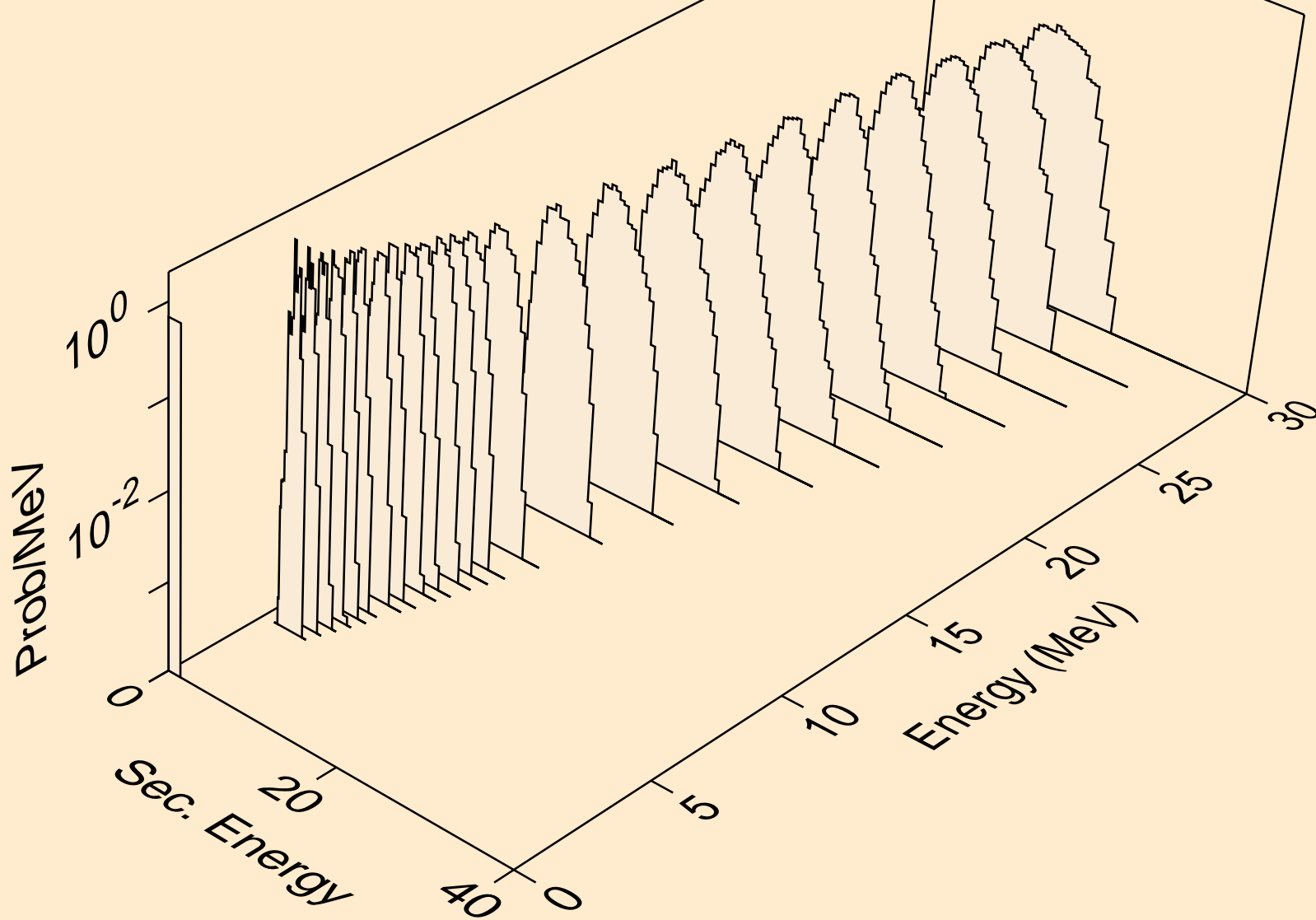




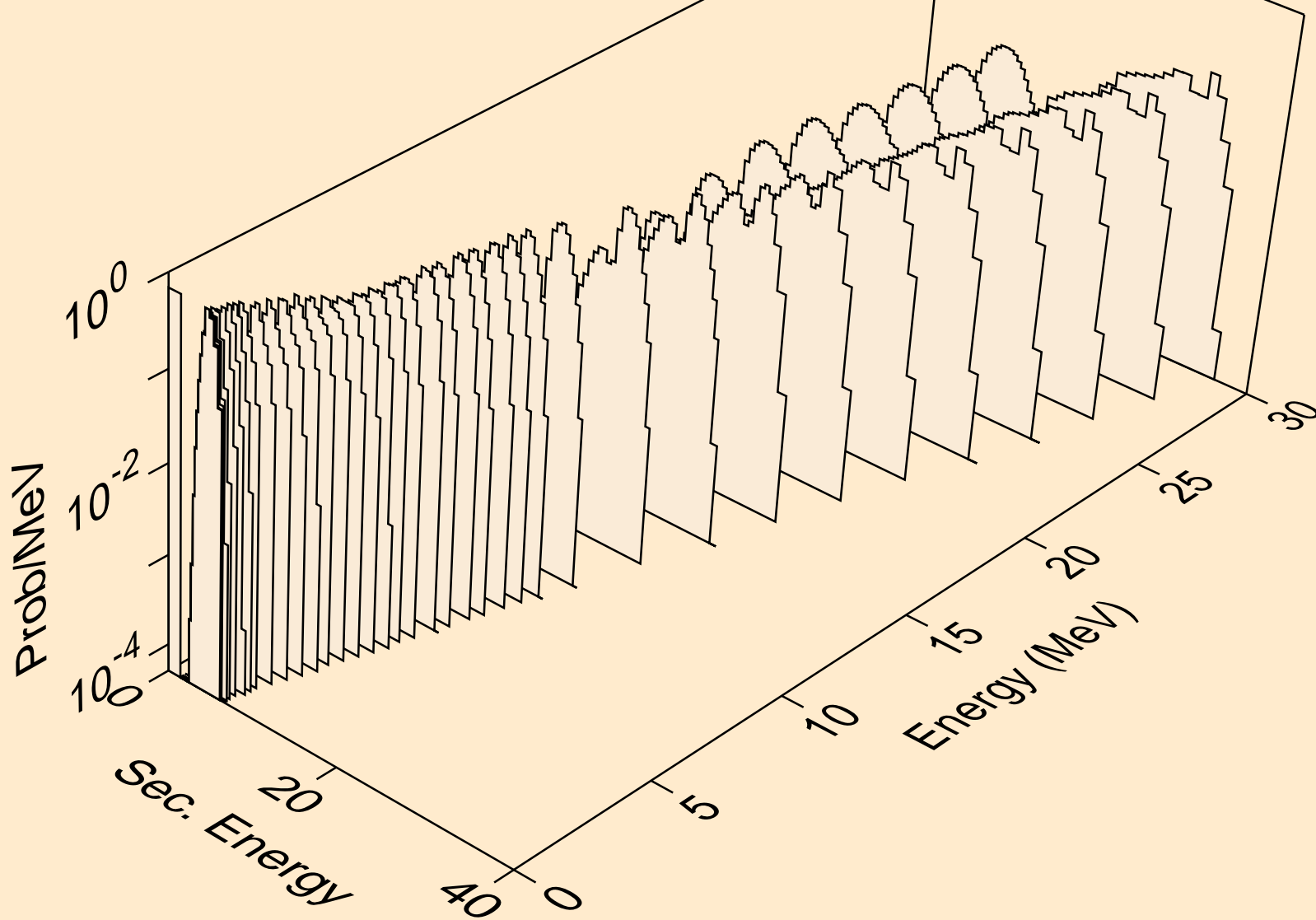
ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,p)



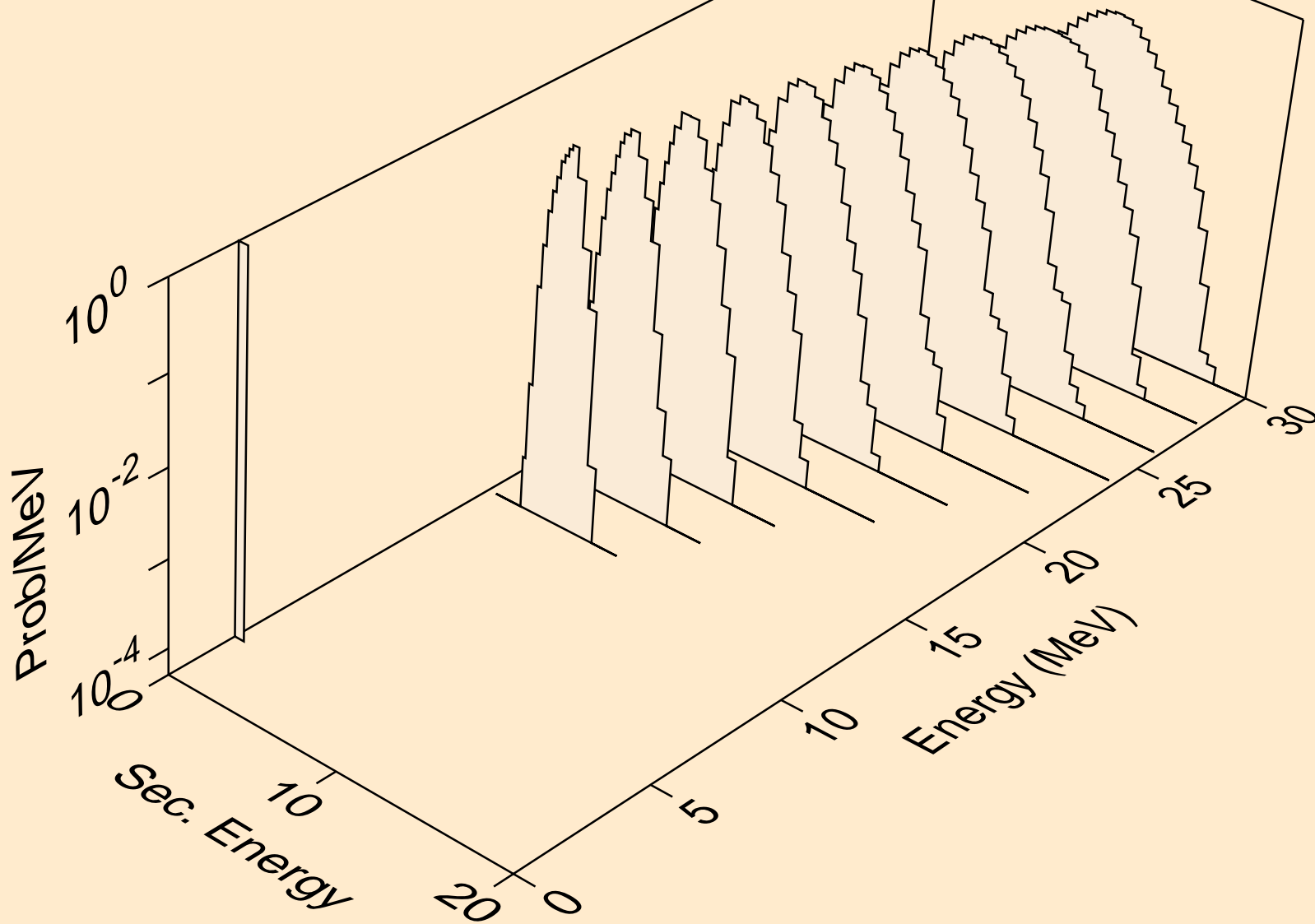
ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,2p)



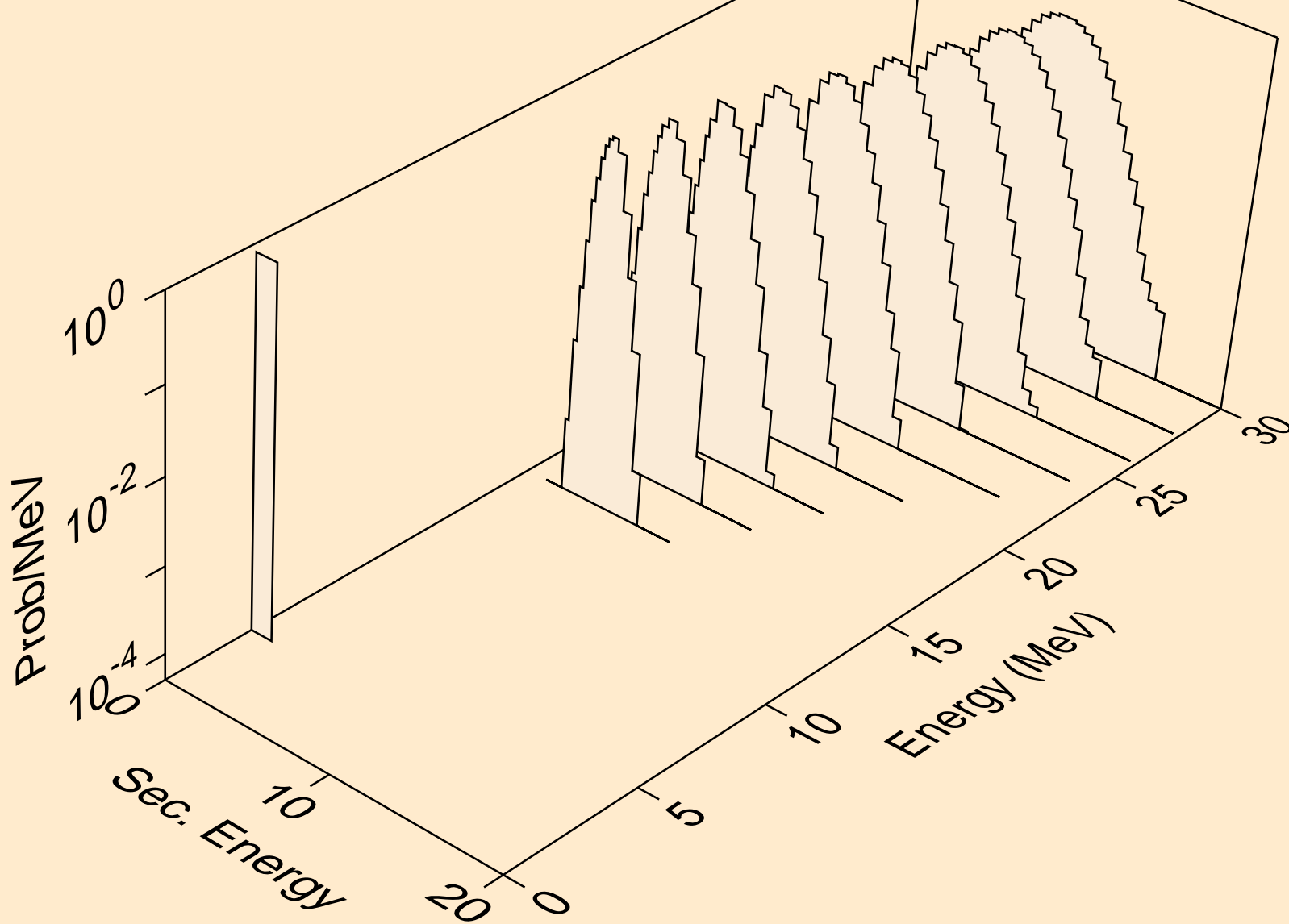
ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,p)



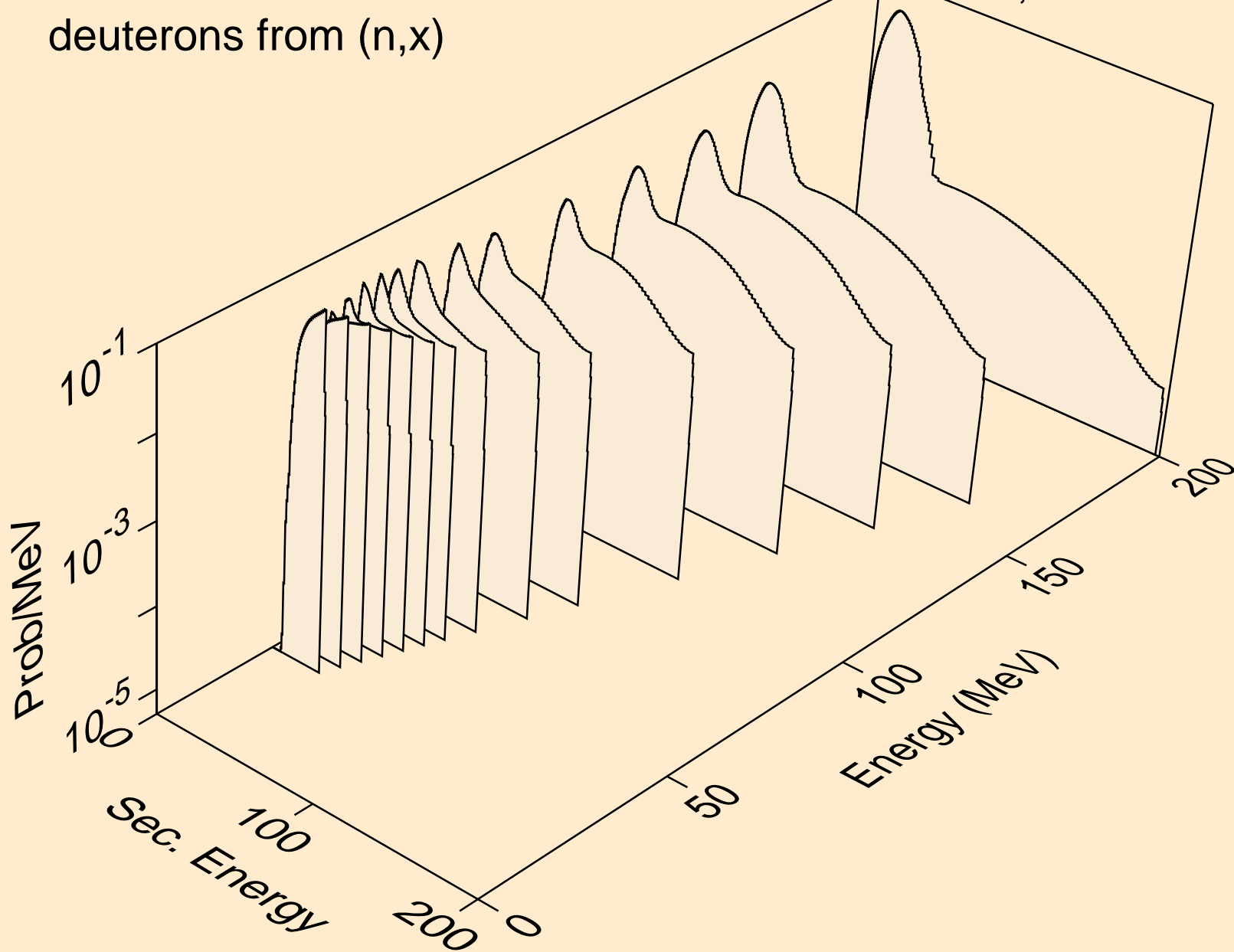
ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,pd)



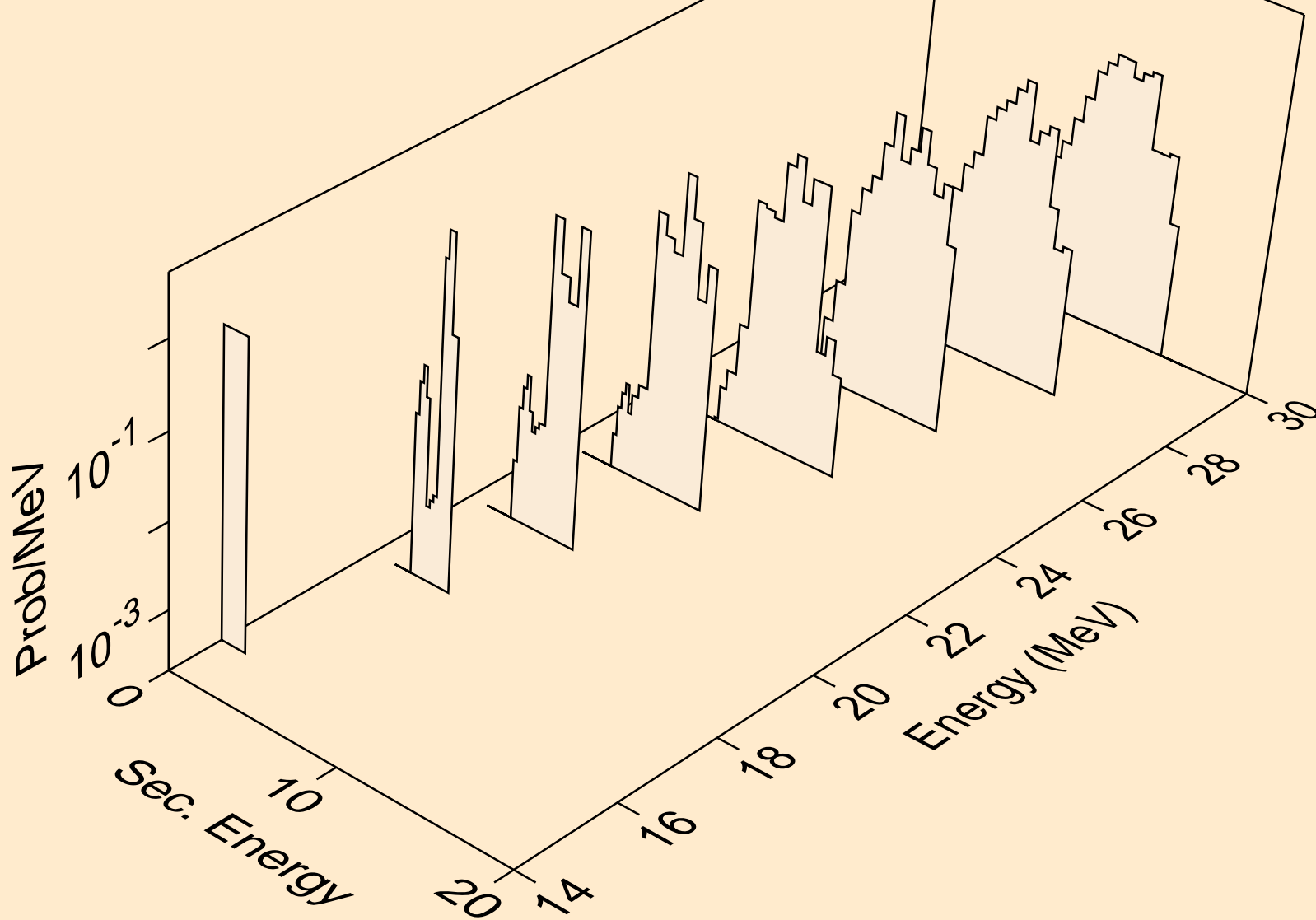
ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,pt)



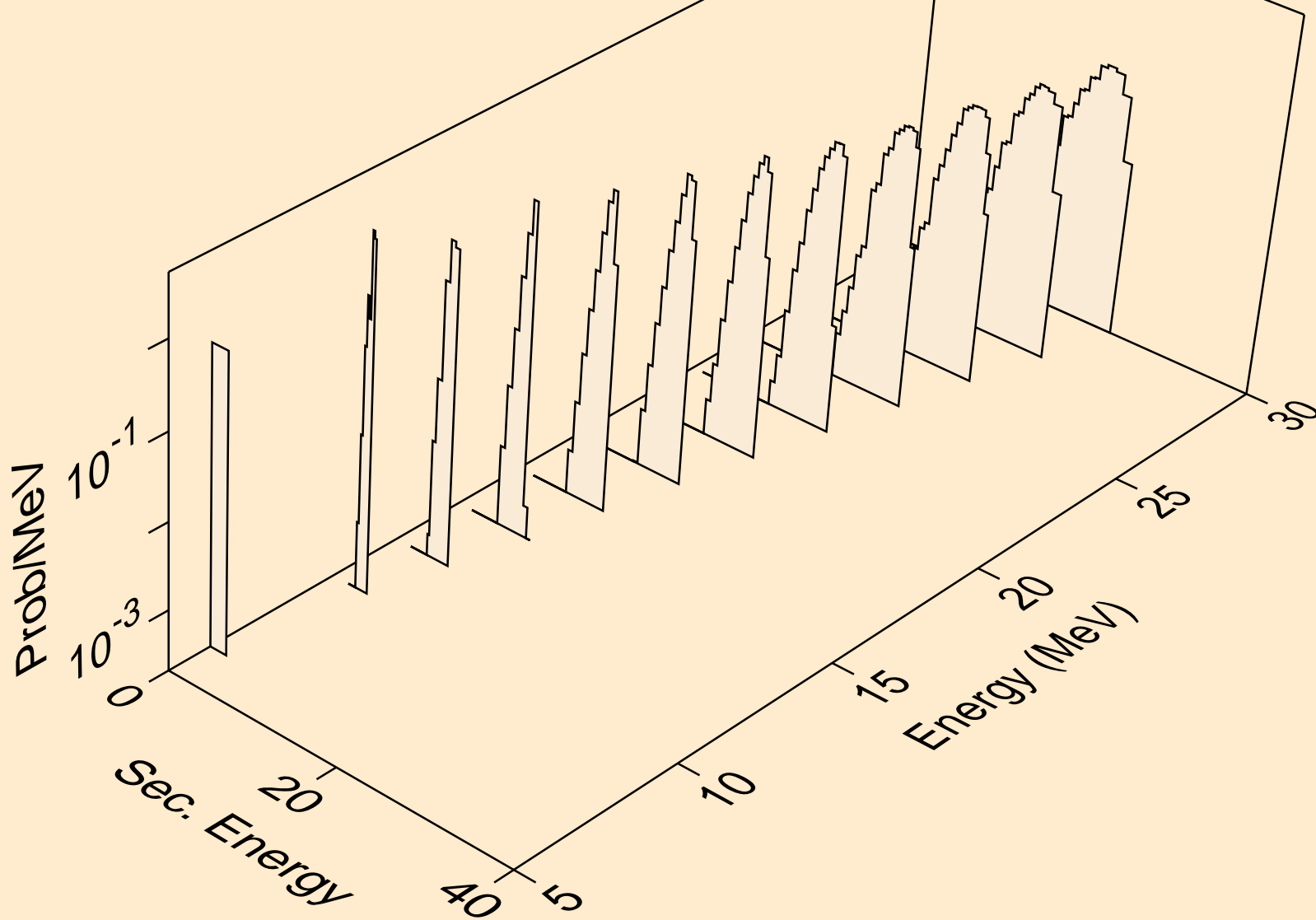
ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,x)



ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,2nd)

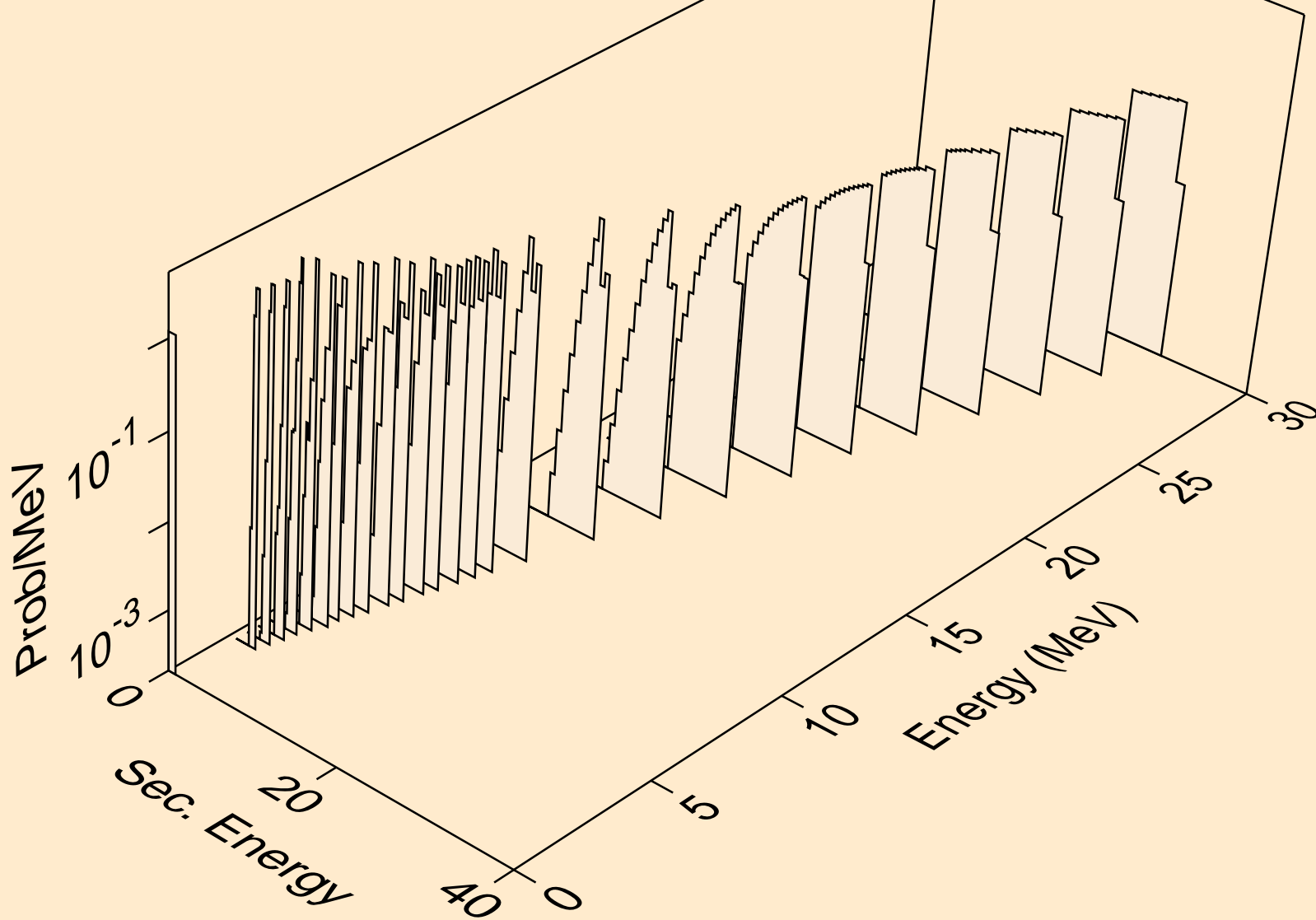


ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,n\*)d

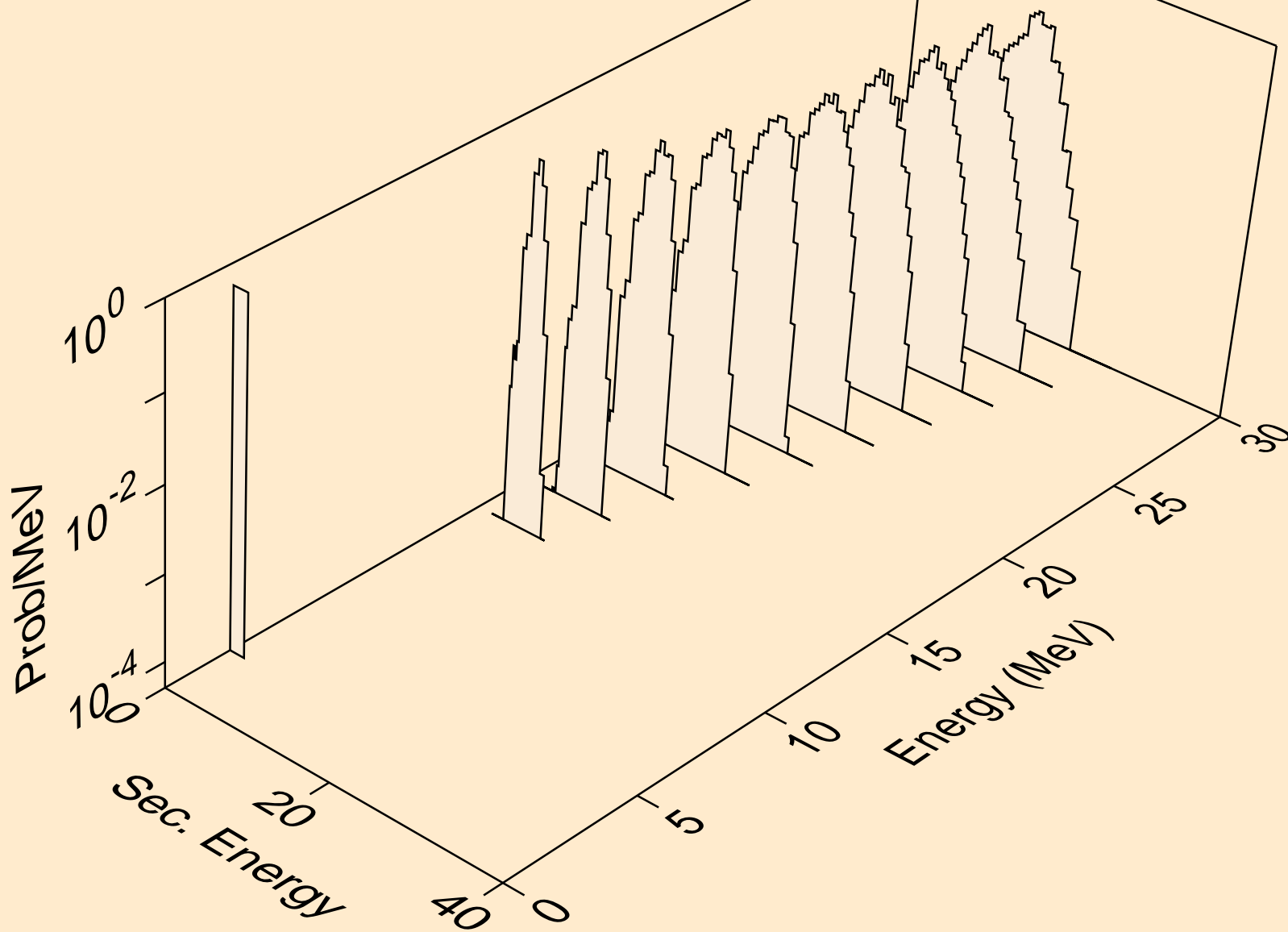




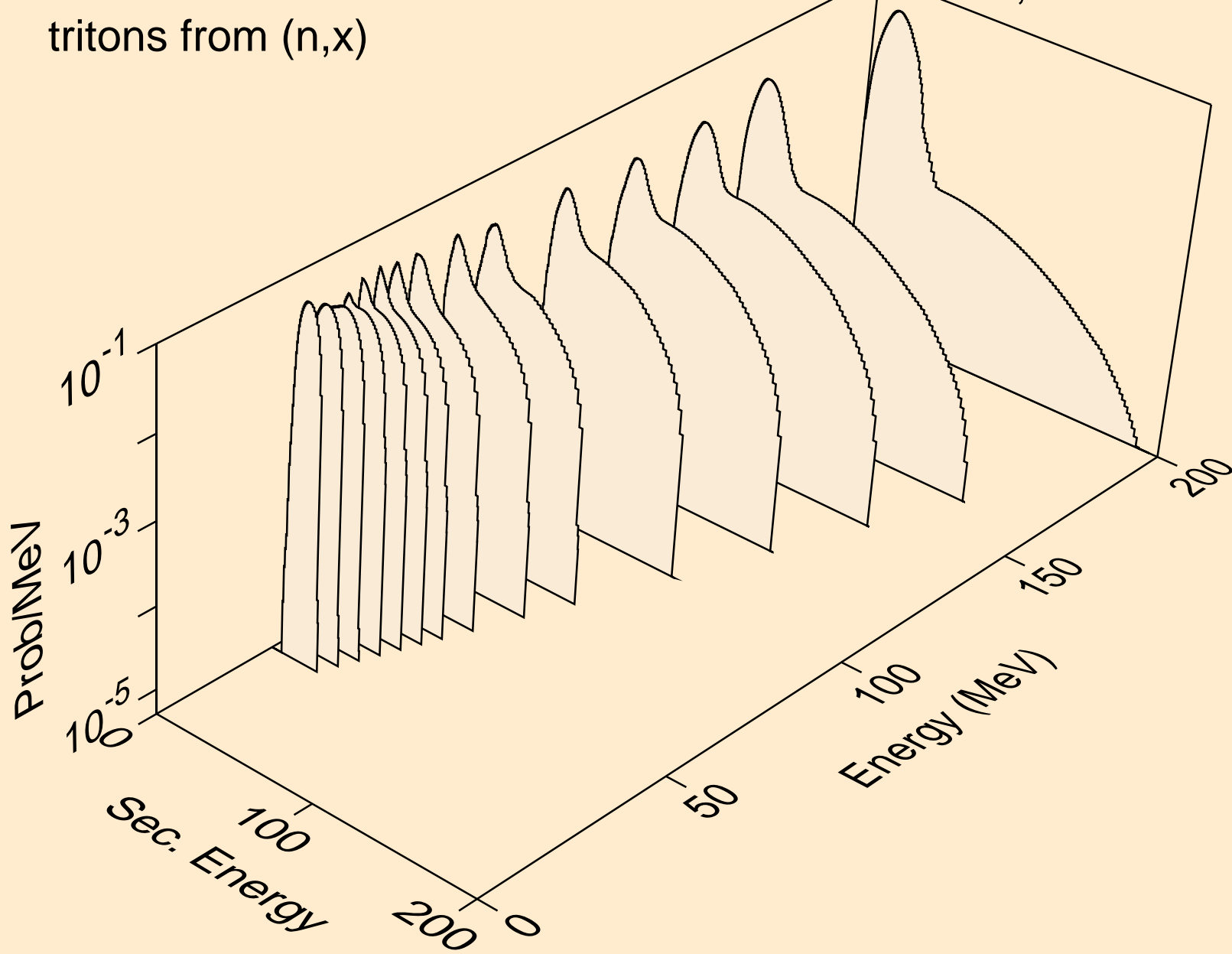
ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,d)



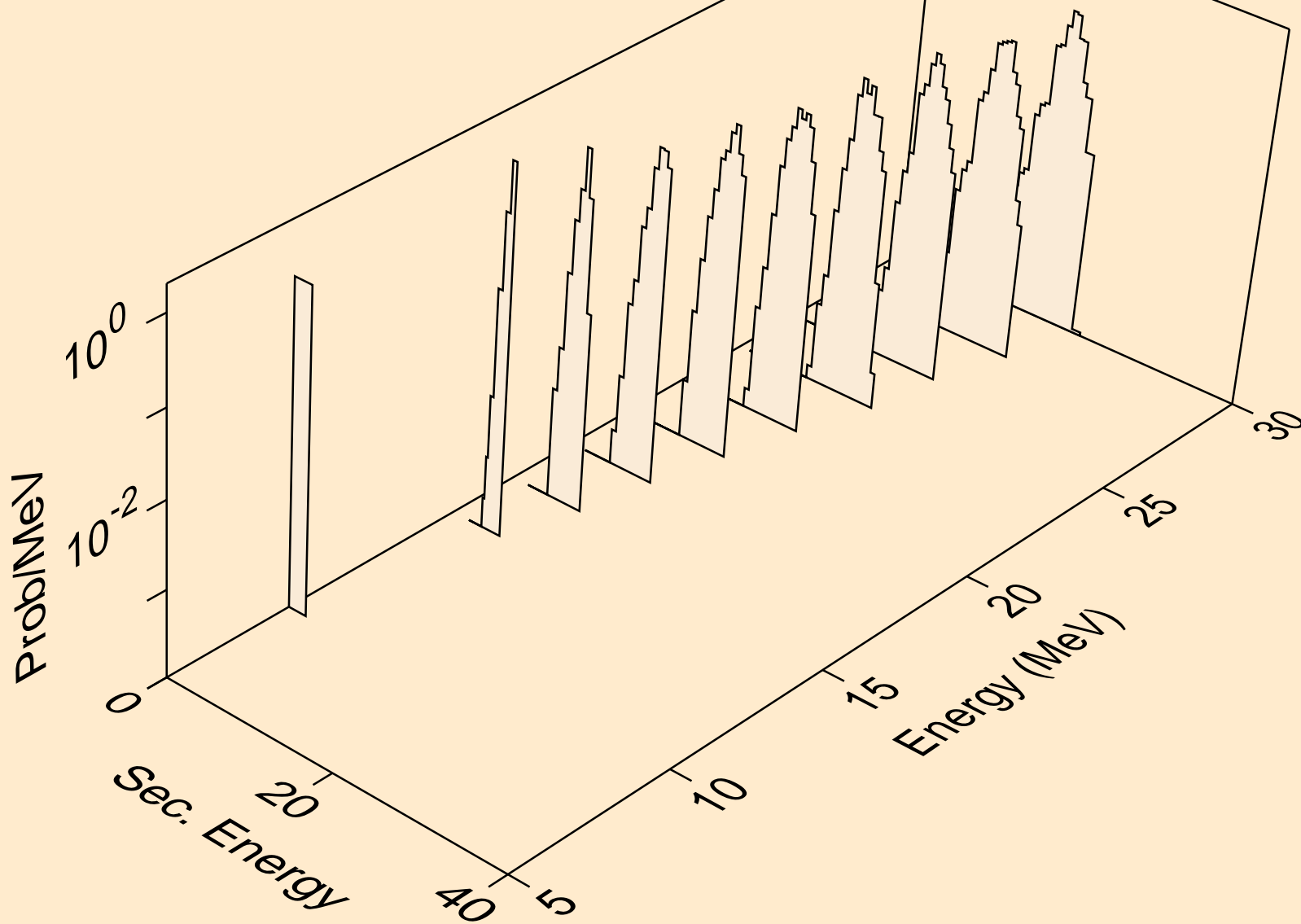
ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,pd)



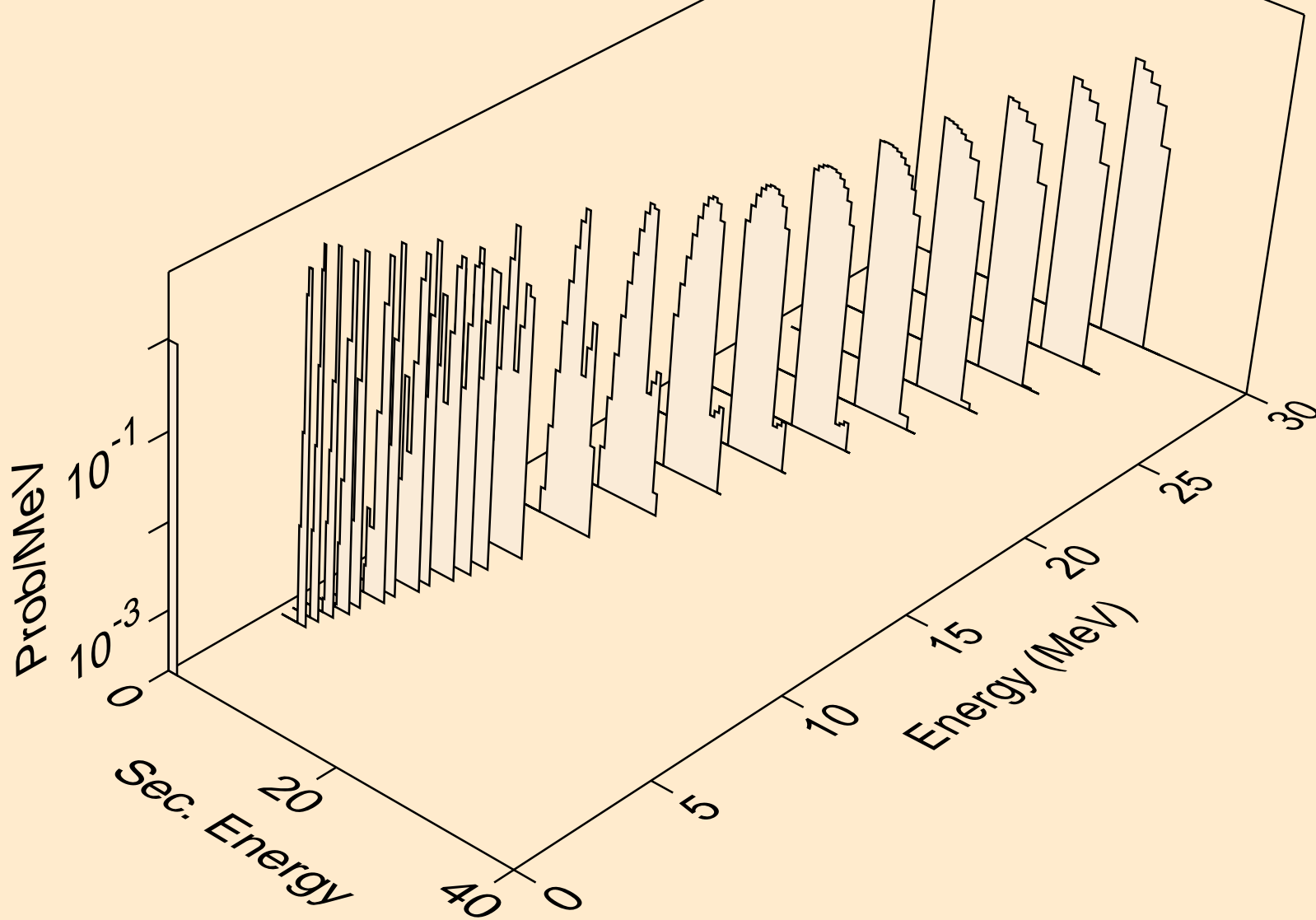
ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,x)



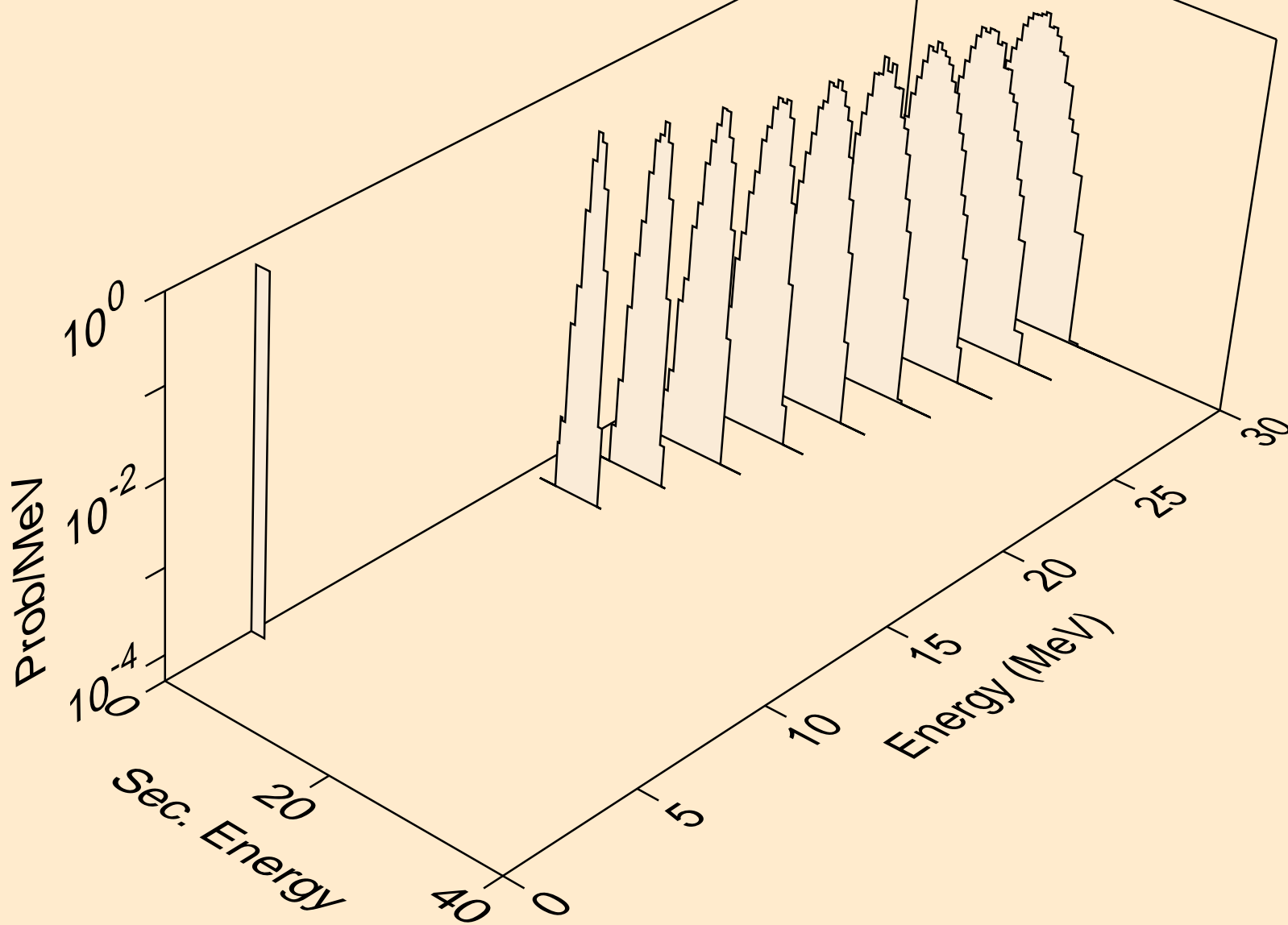
ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,n\*)t



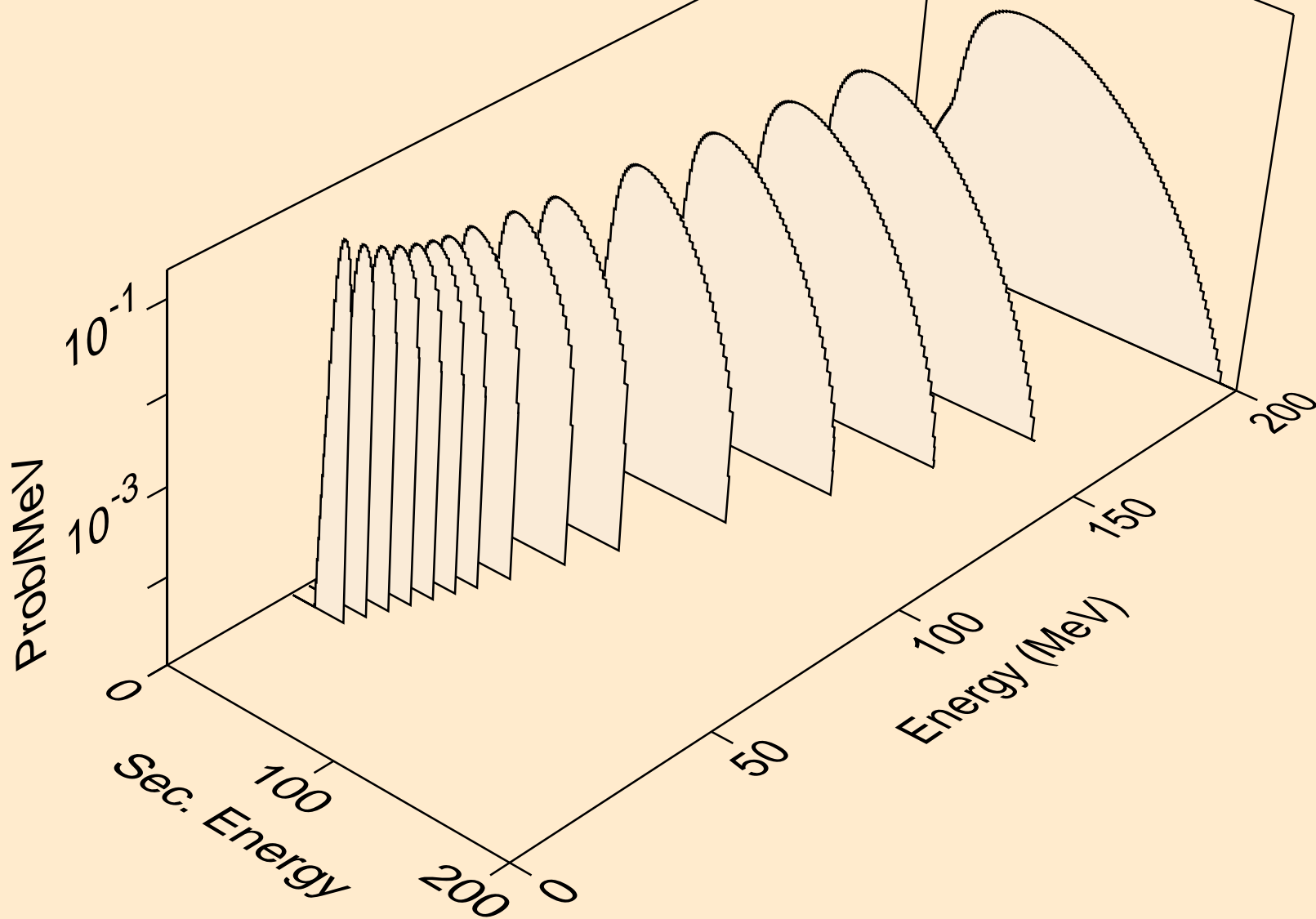
ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,t)



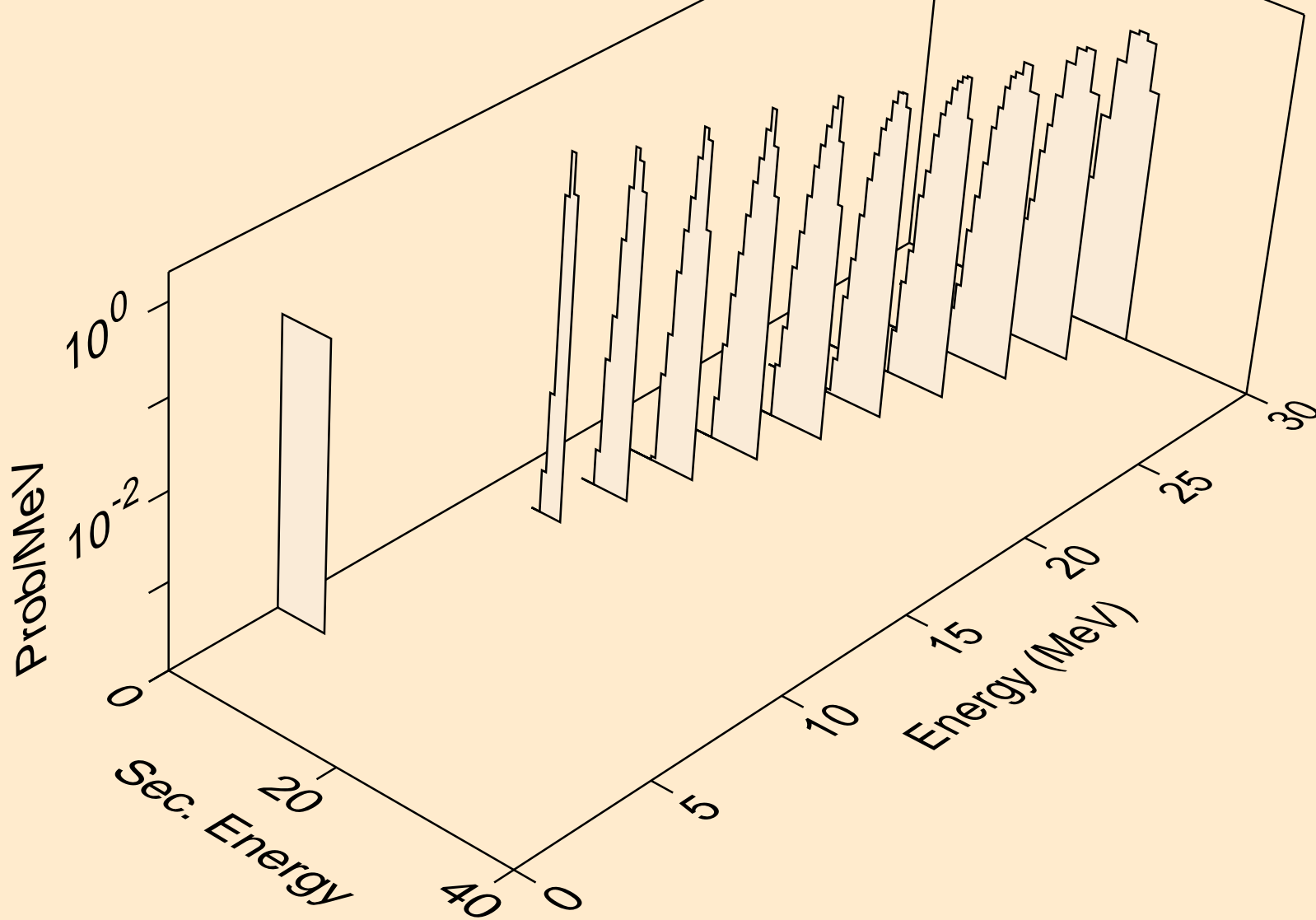
ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,pt)



ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,x)

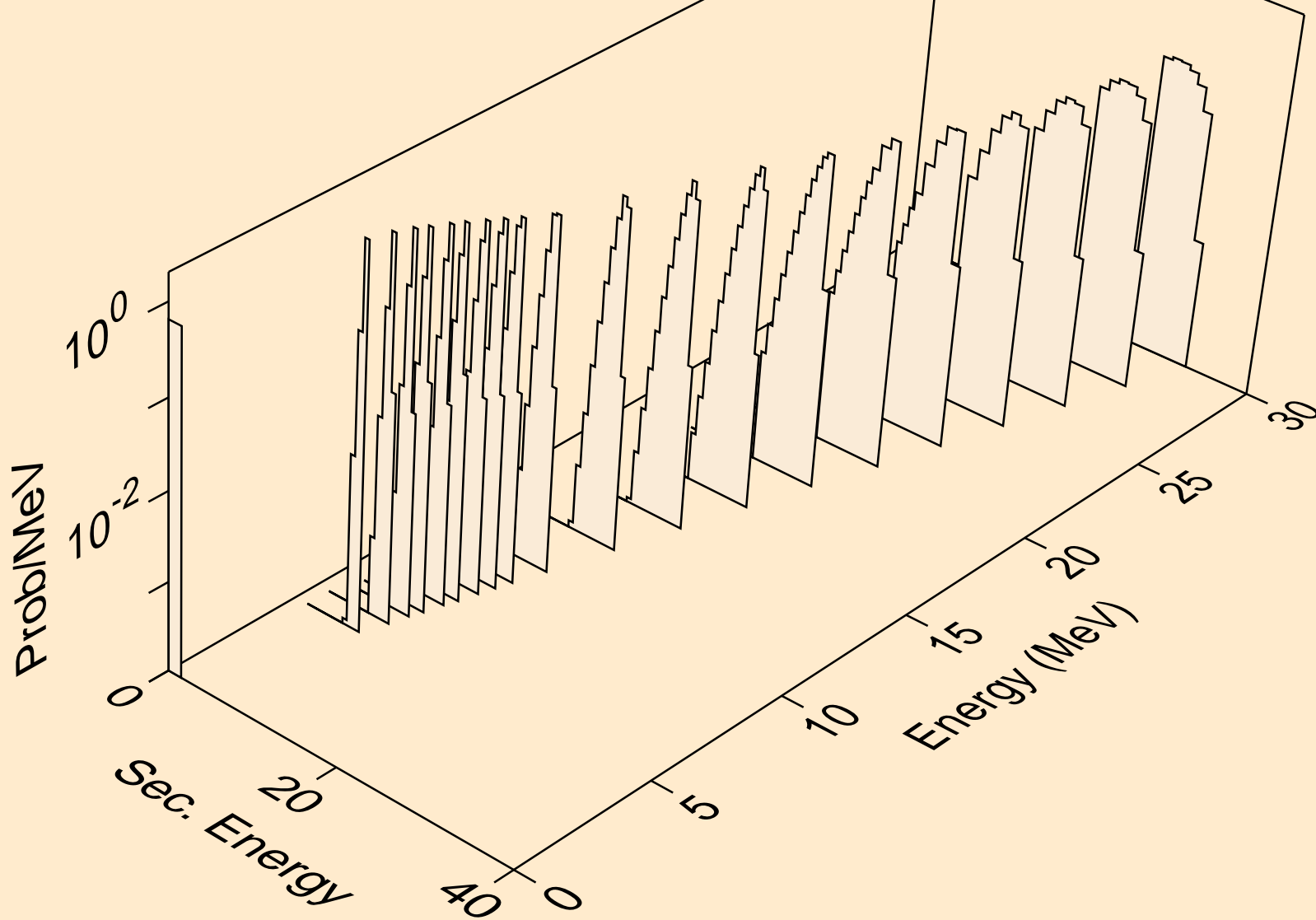


ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,n\*)he3

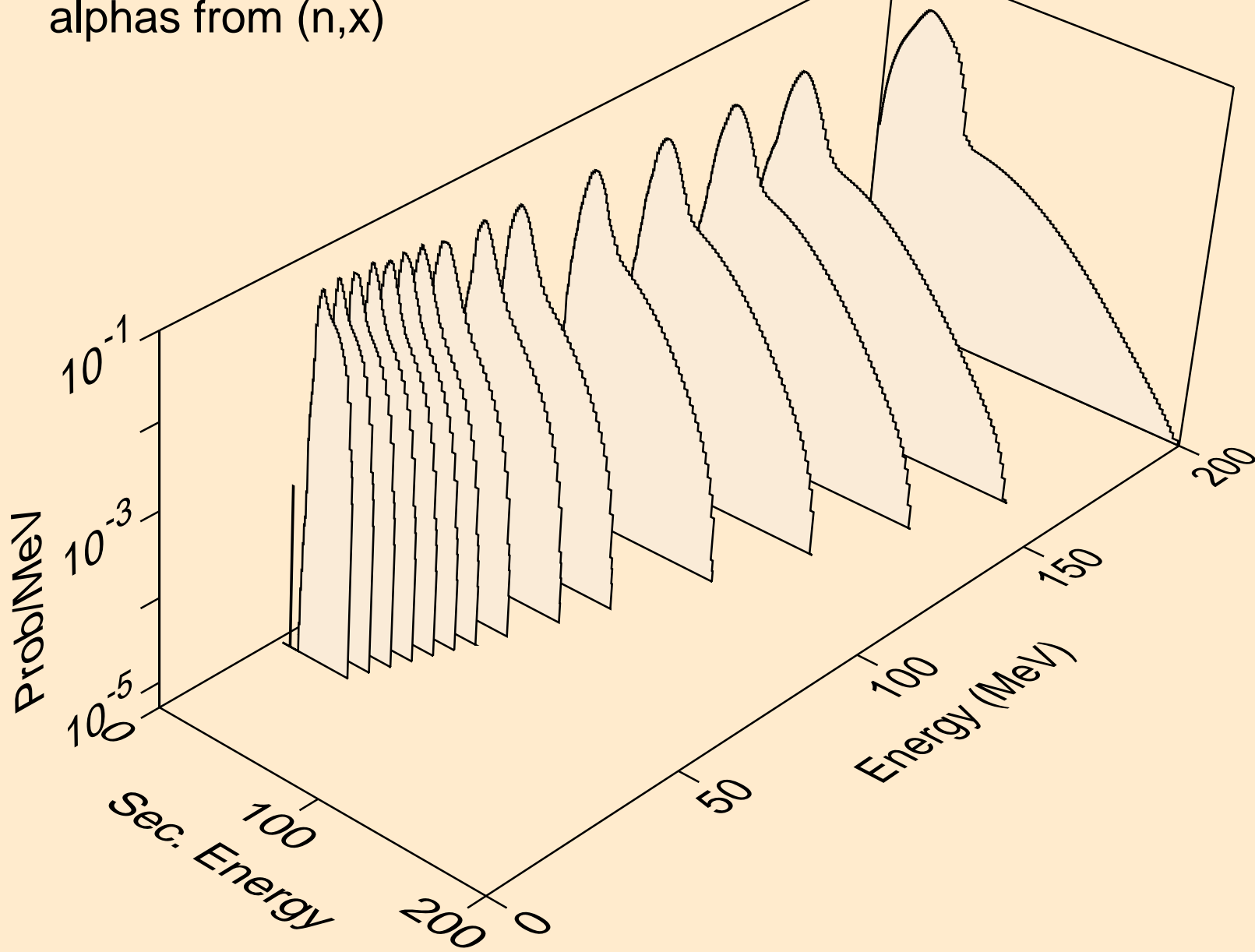




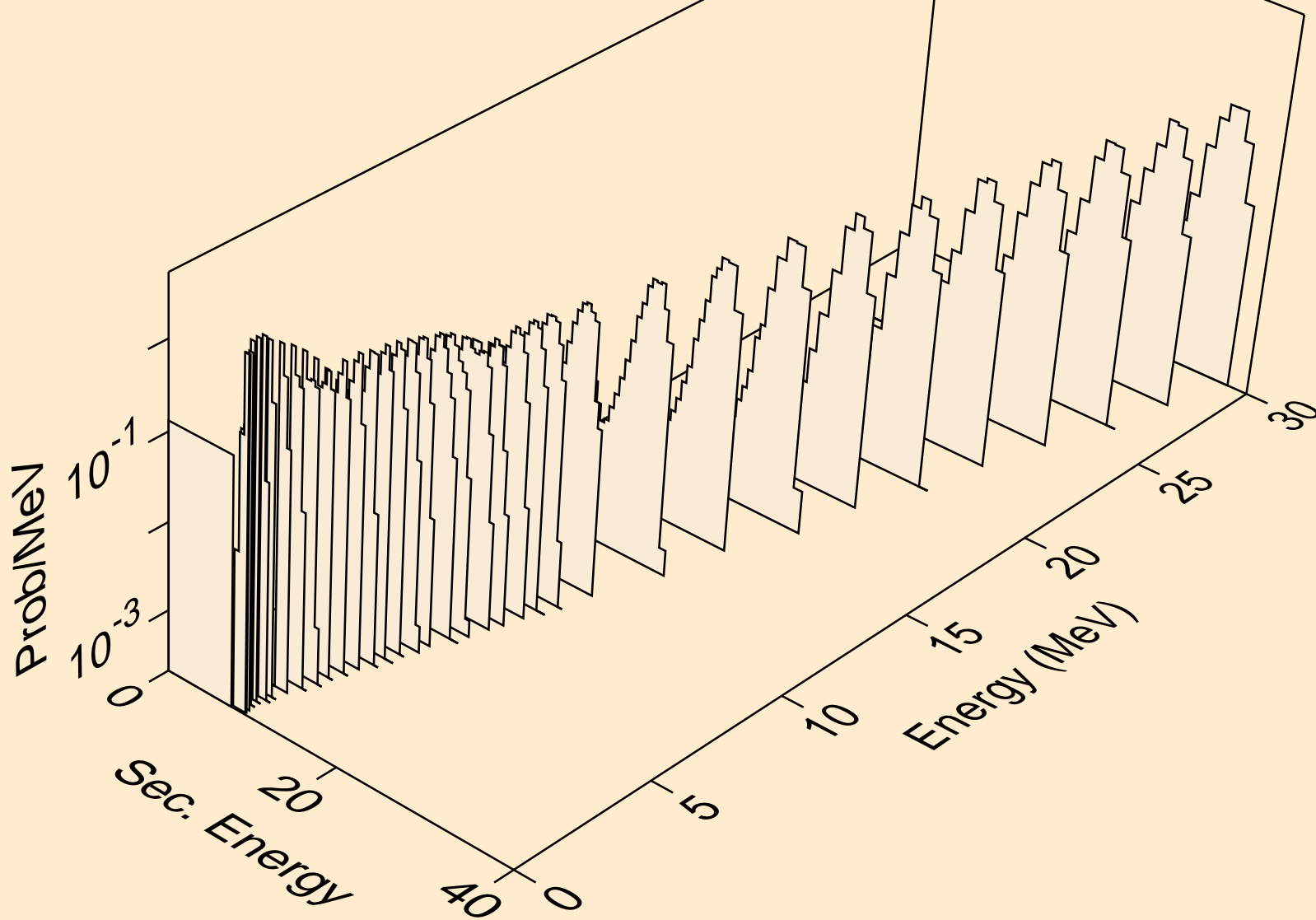
ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,he3)



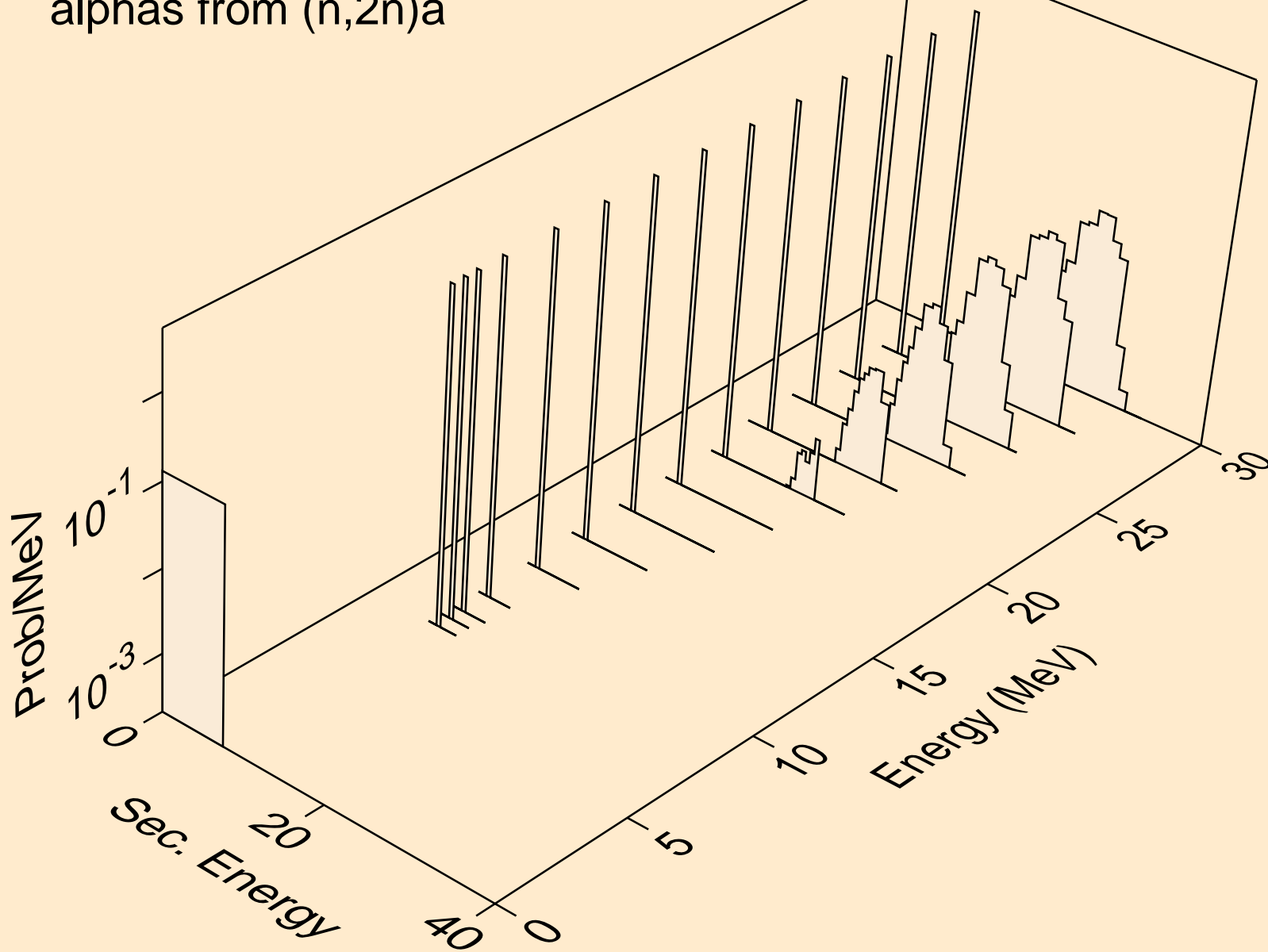
ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,x)



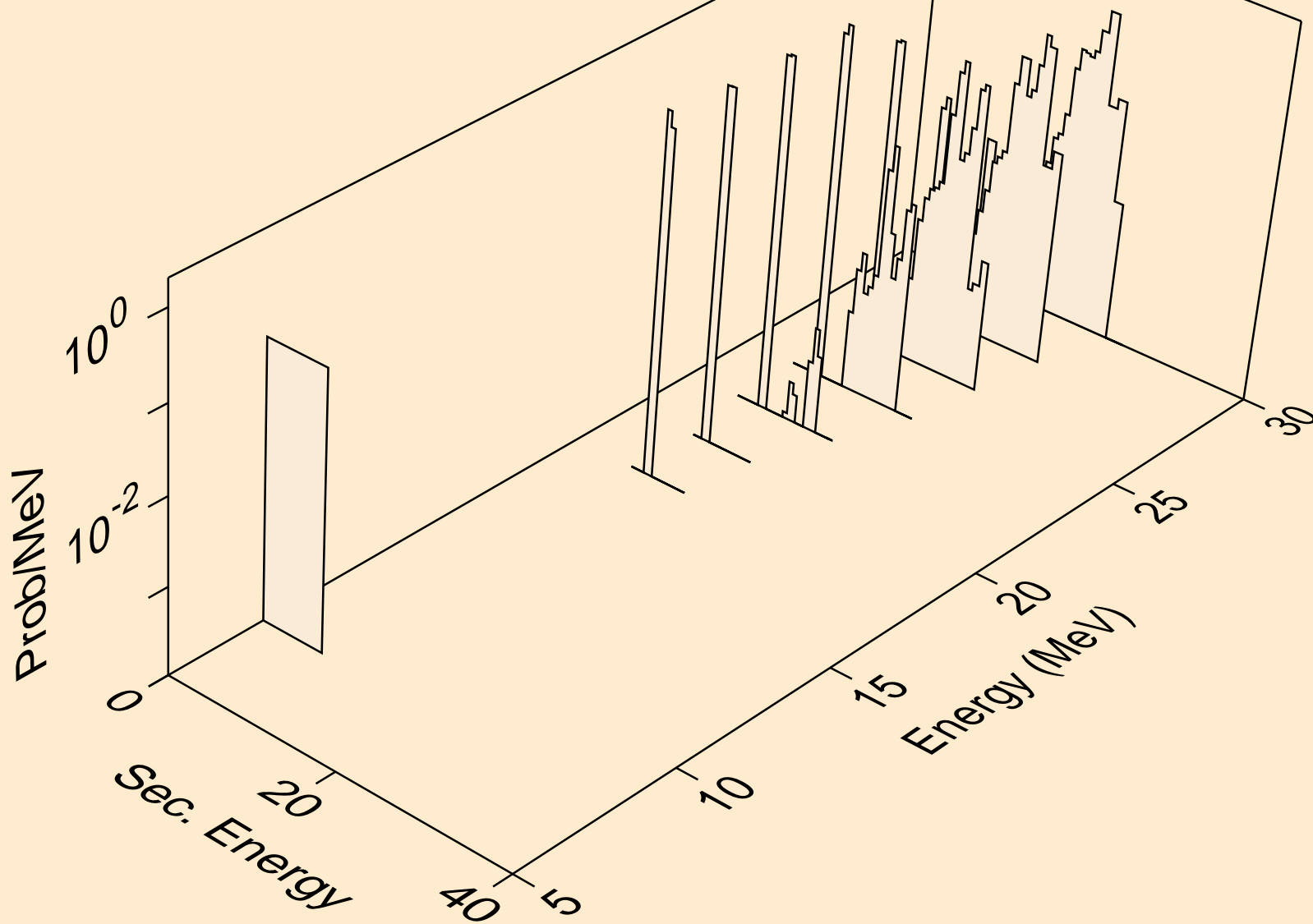
ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)a



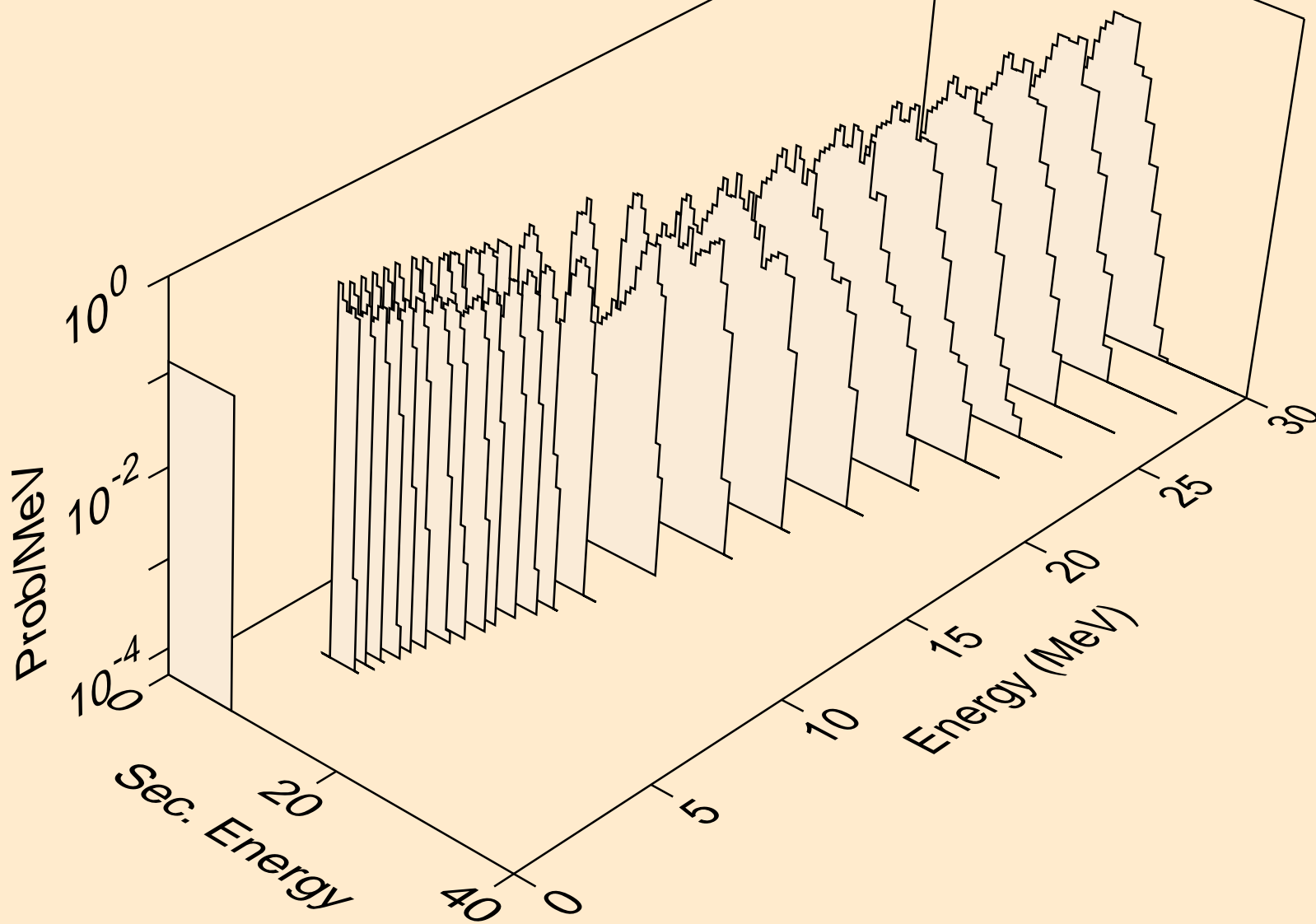
ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2n)a



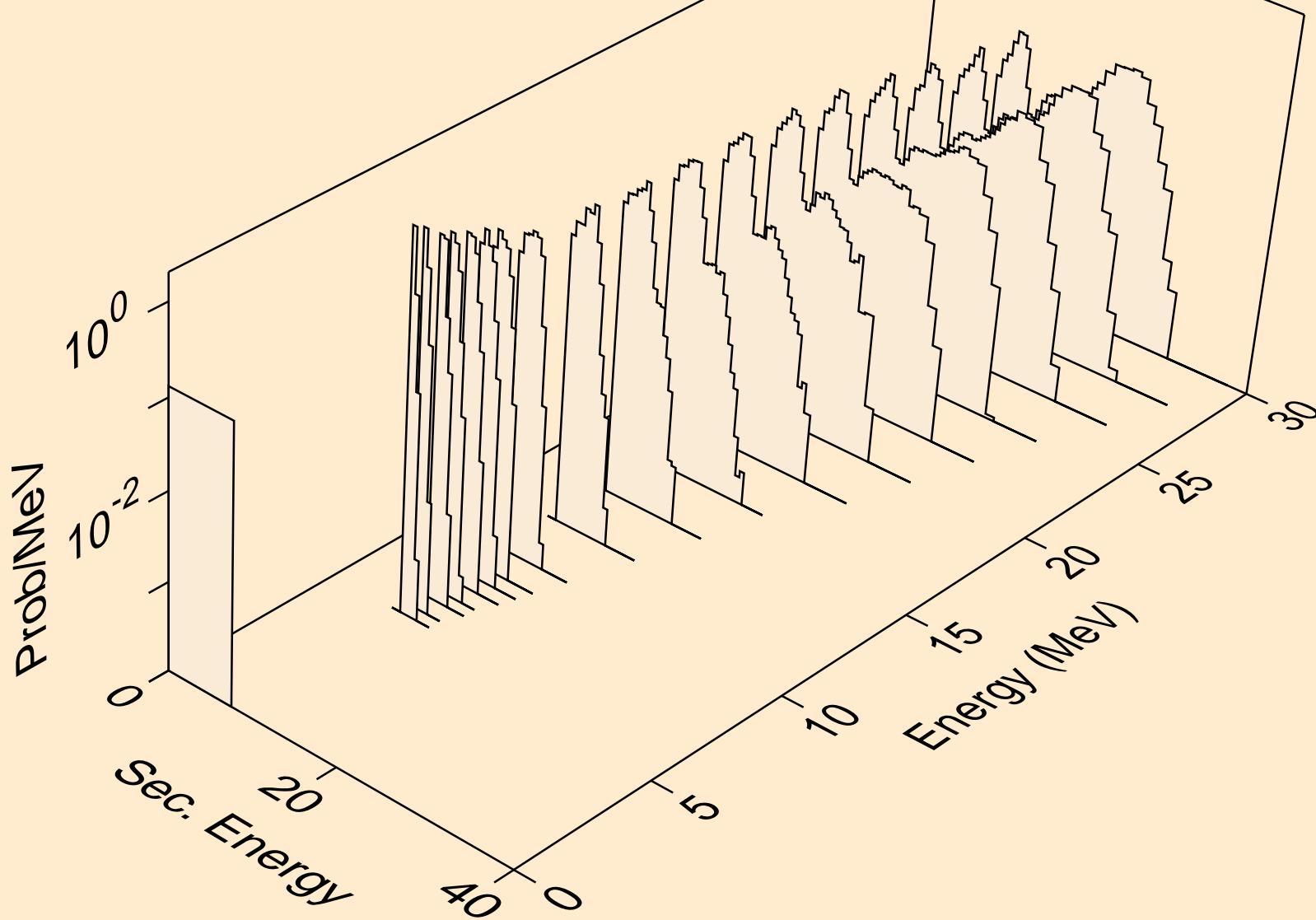
ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,3n)a



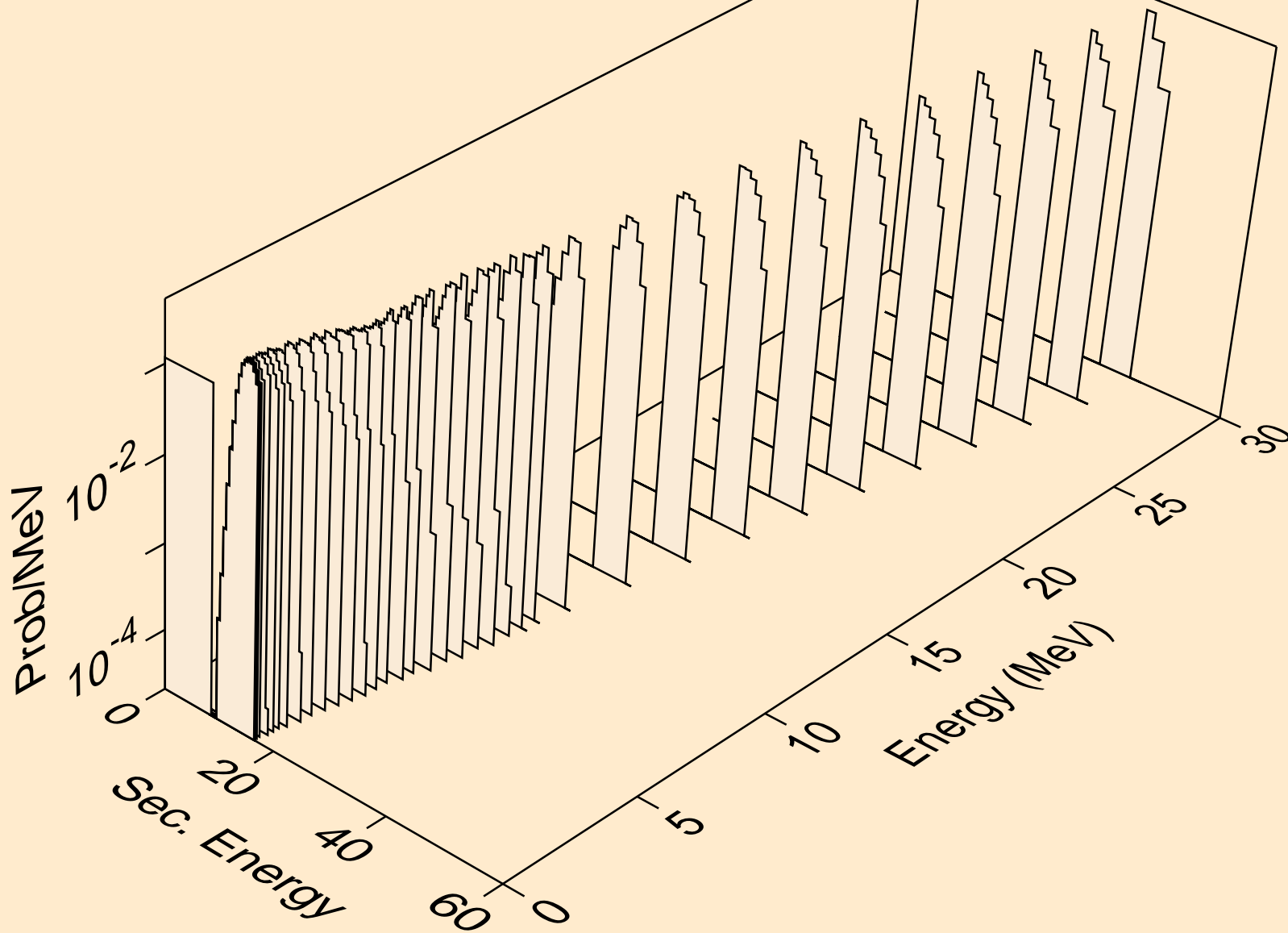
ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)2a



ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,npa)



ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,a)





ES240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,pa)

