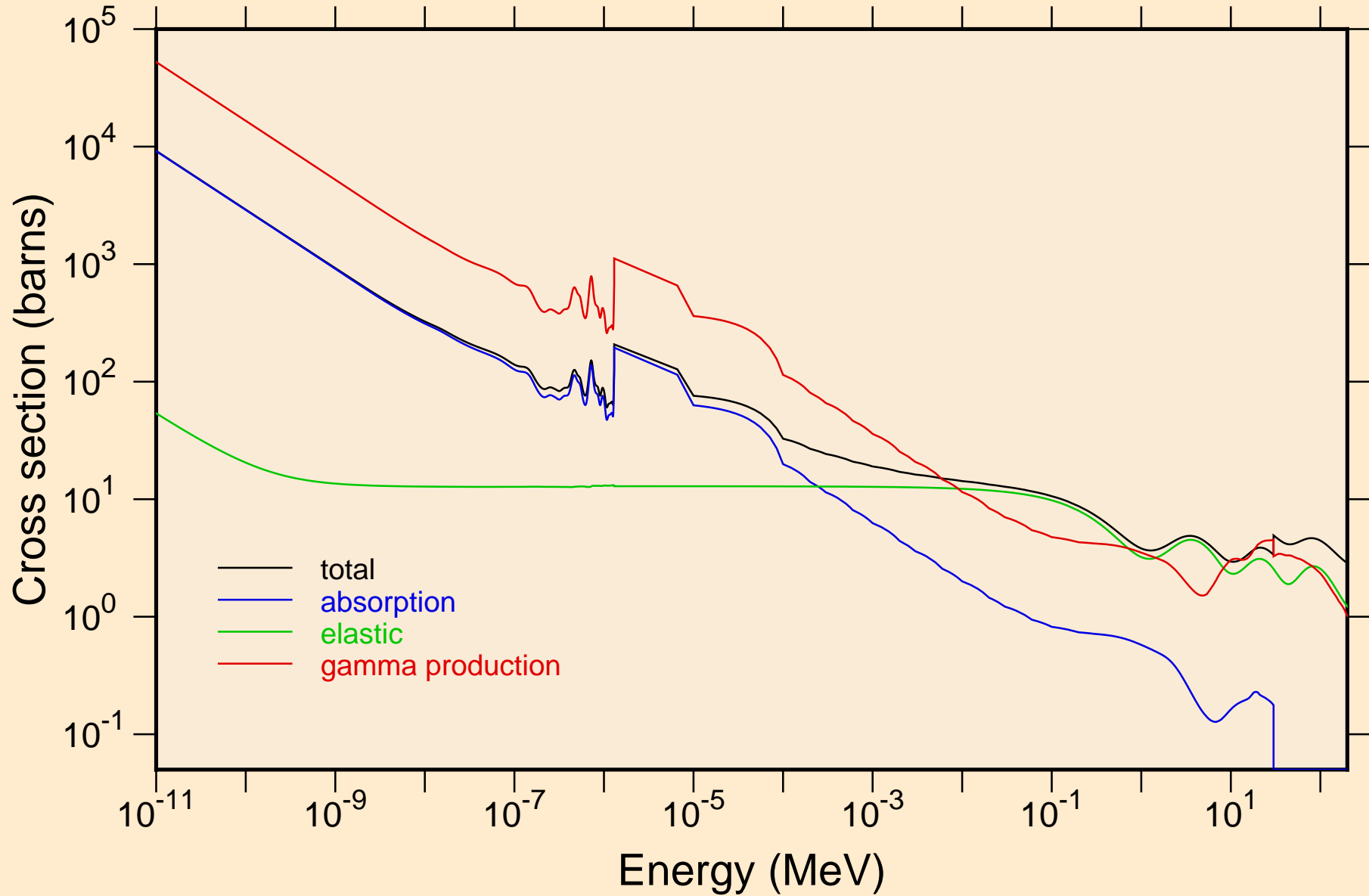
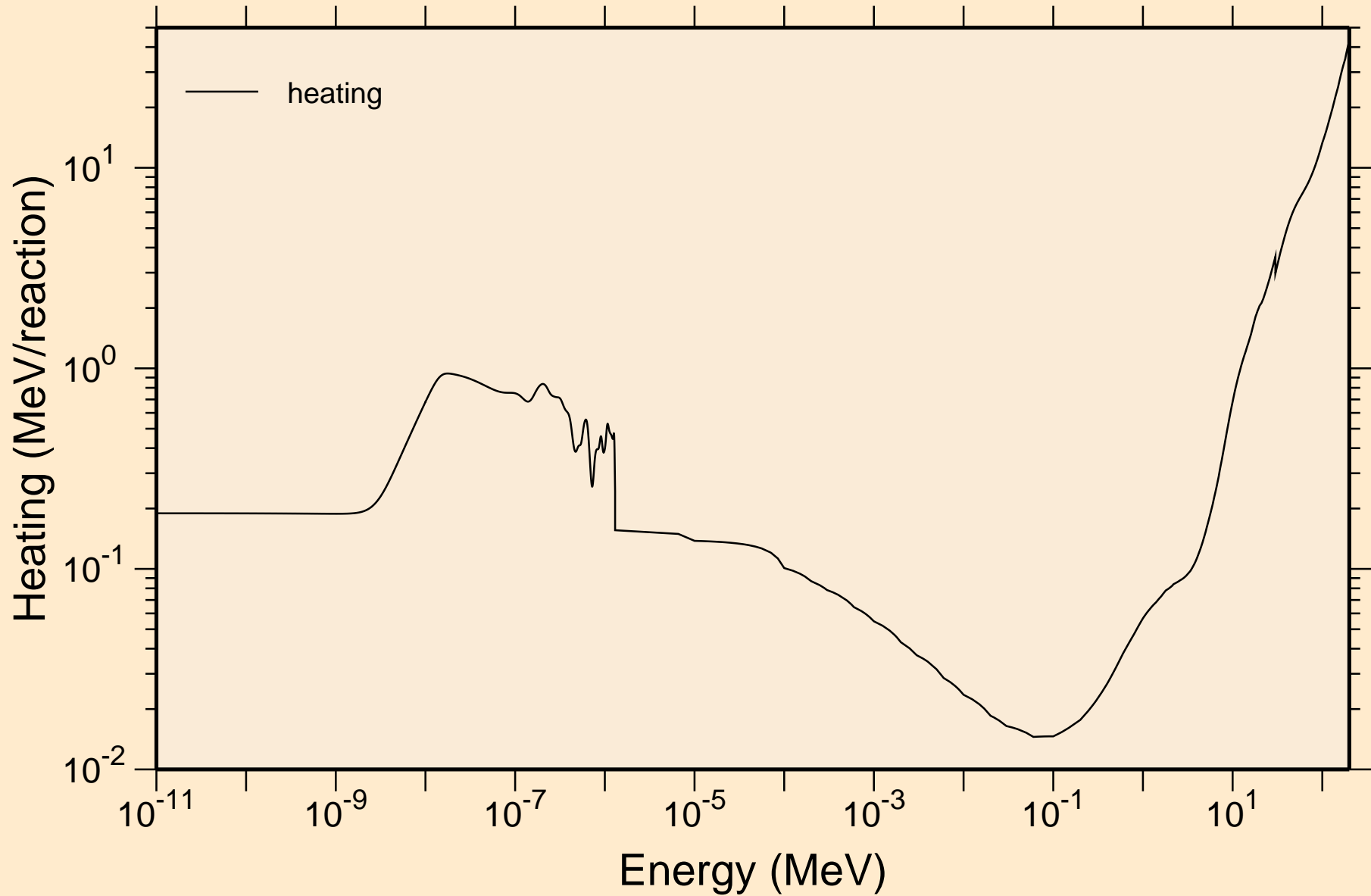


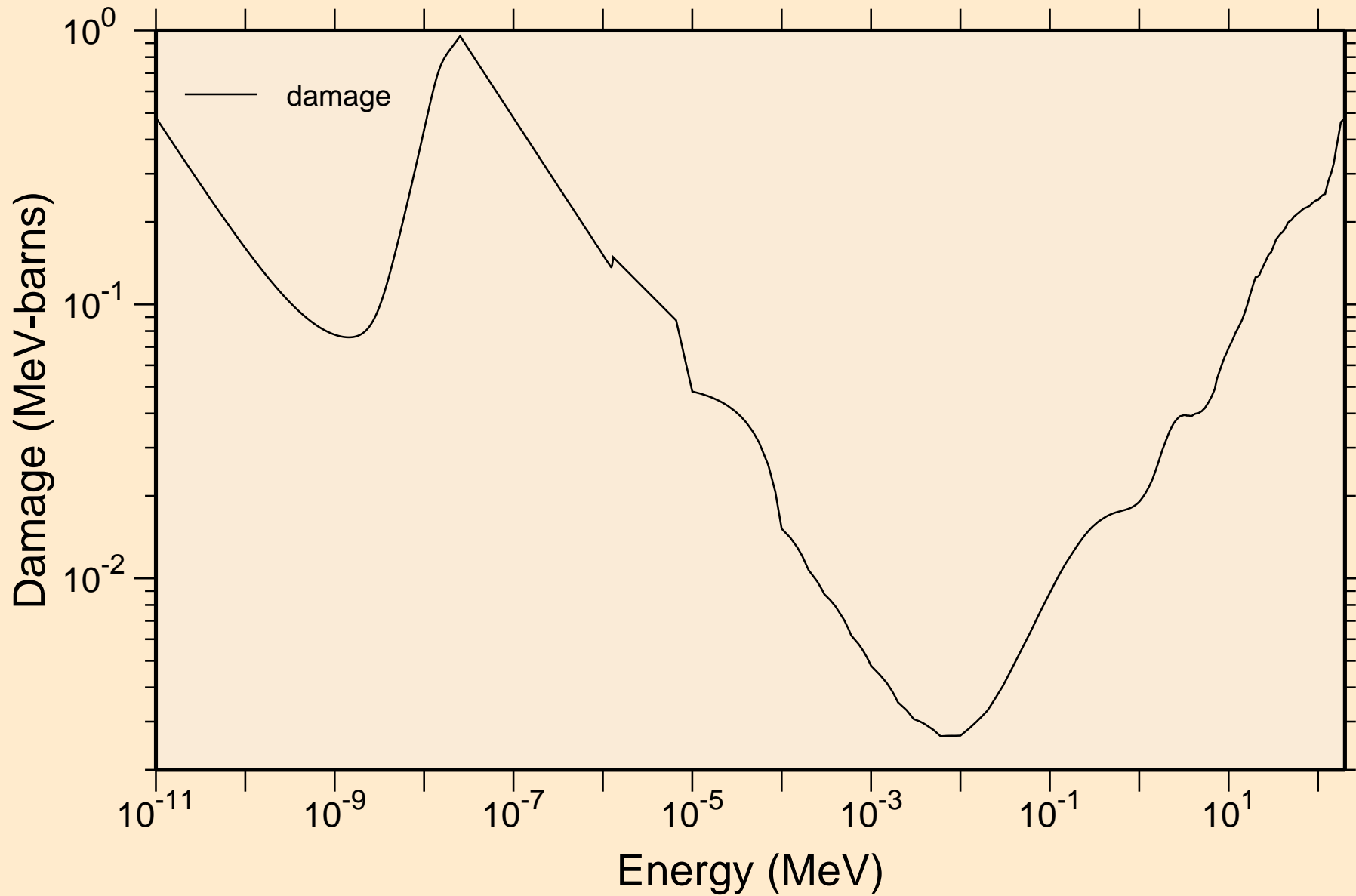
BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Principal cross sections



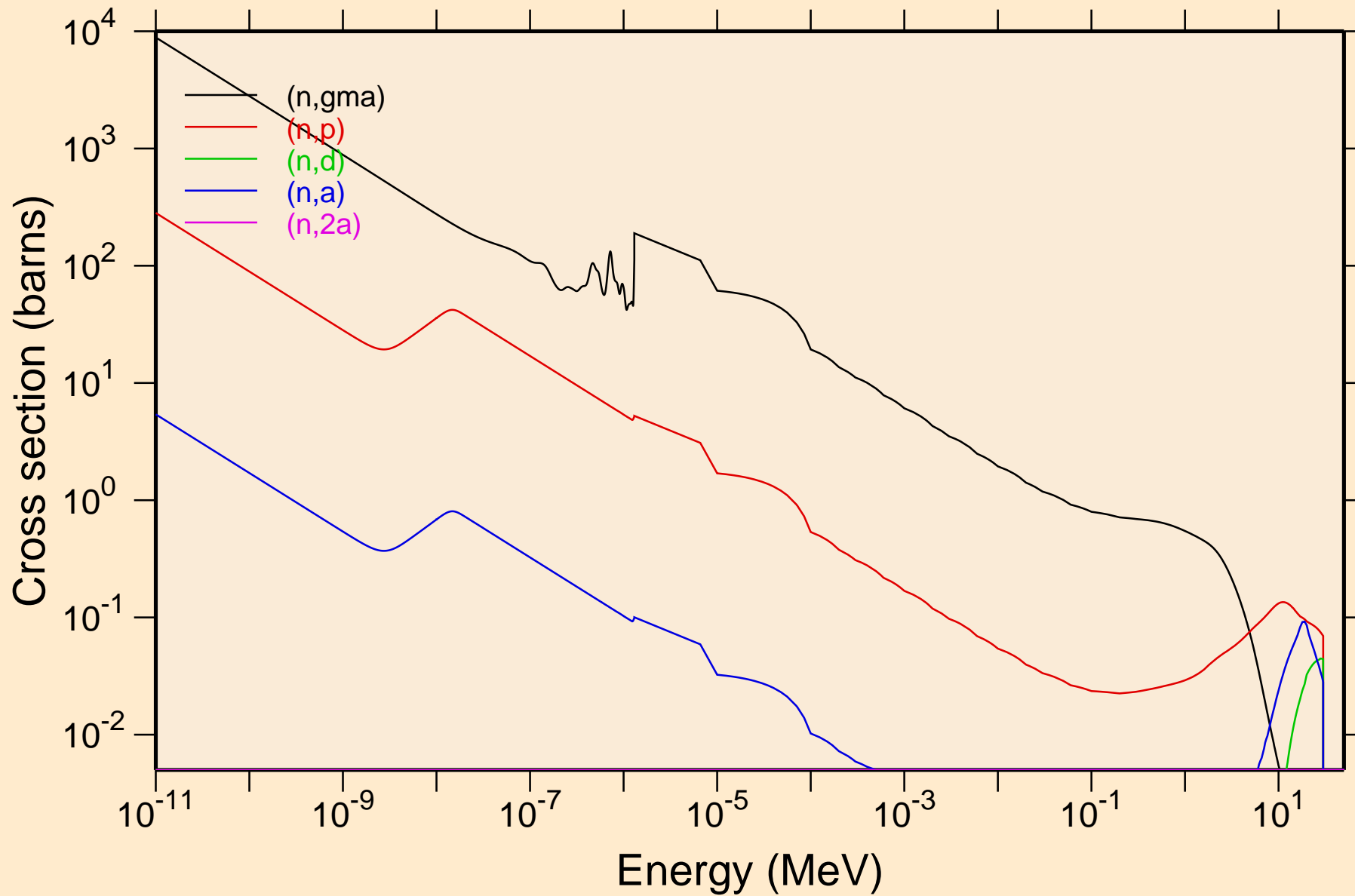
BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Heating



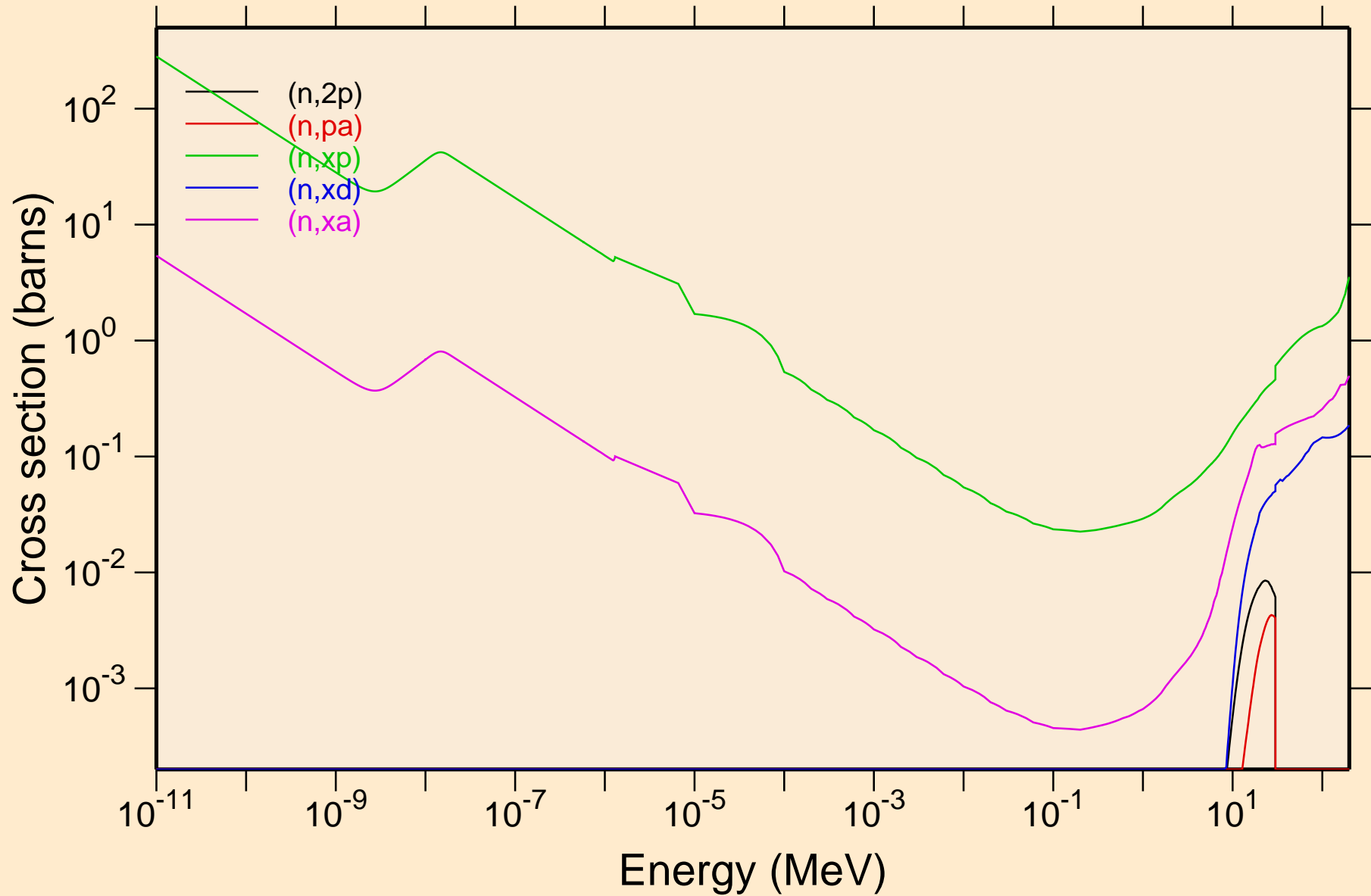
BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Damage



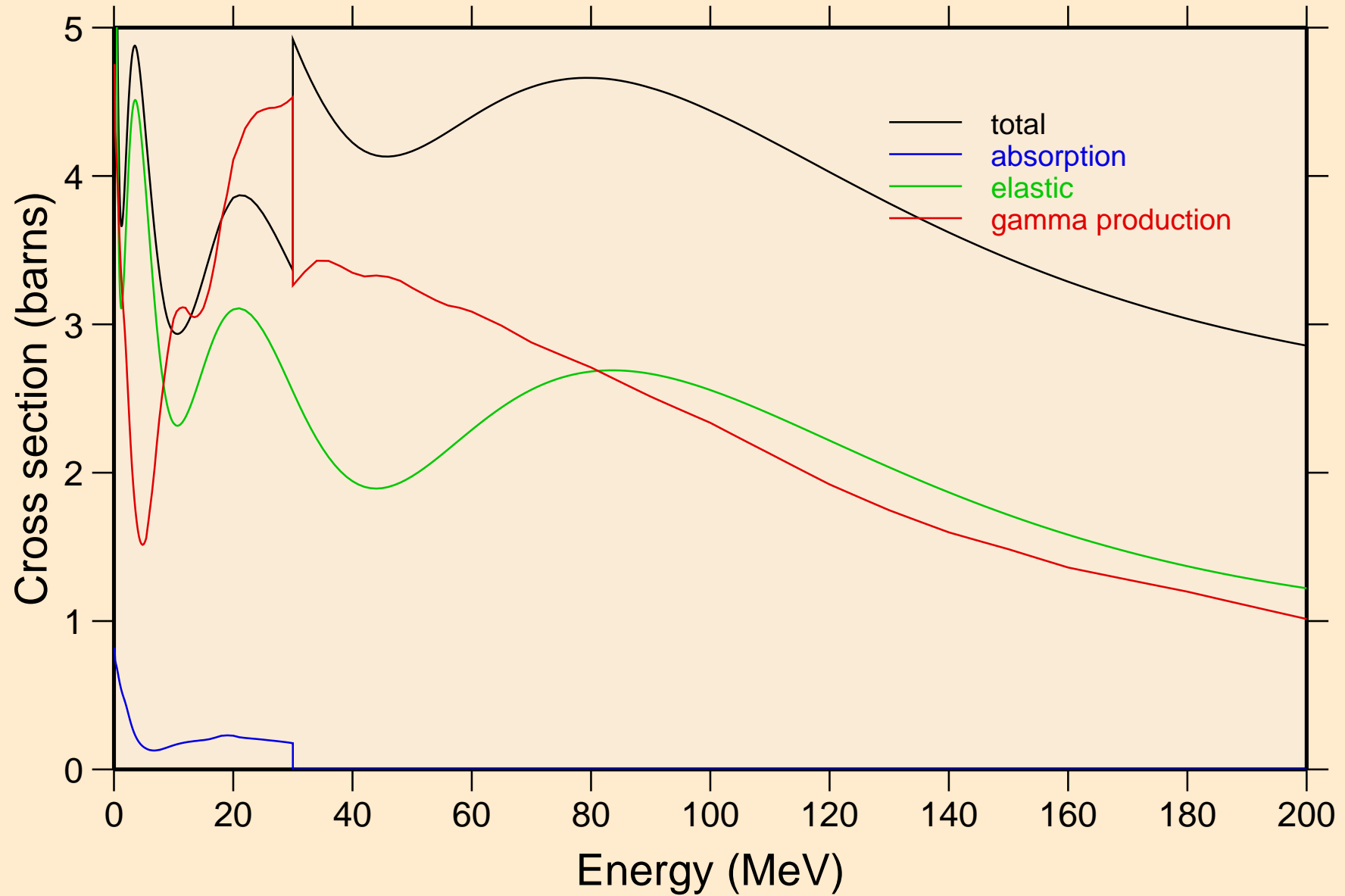
BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions



BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions

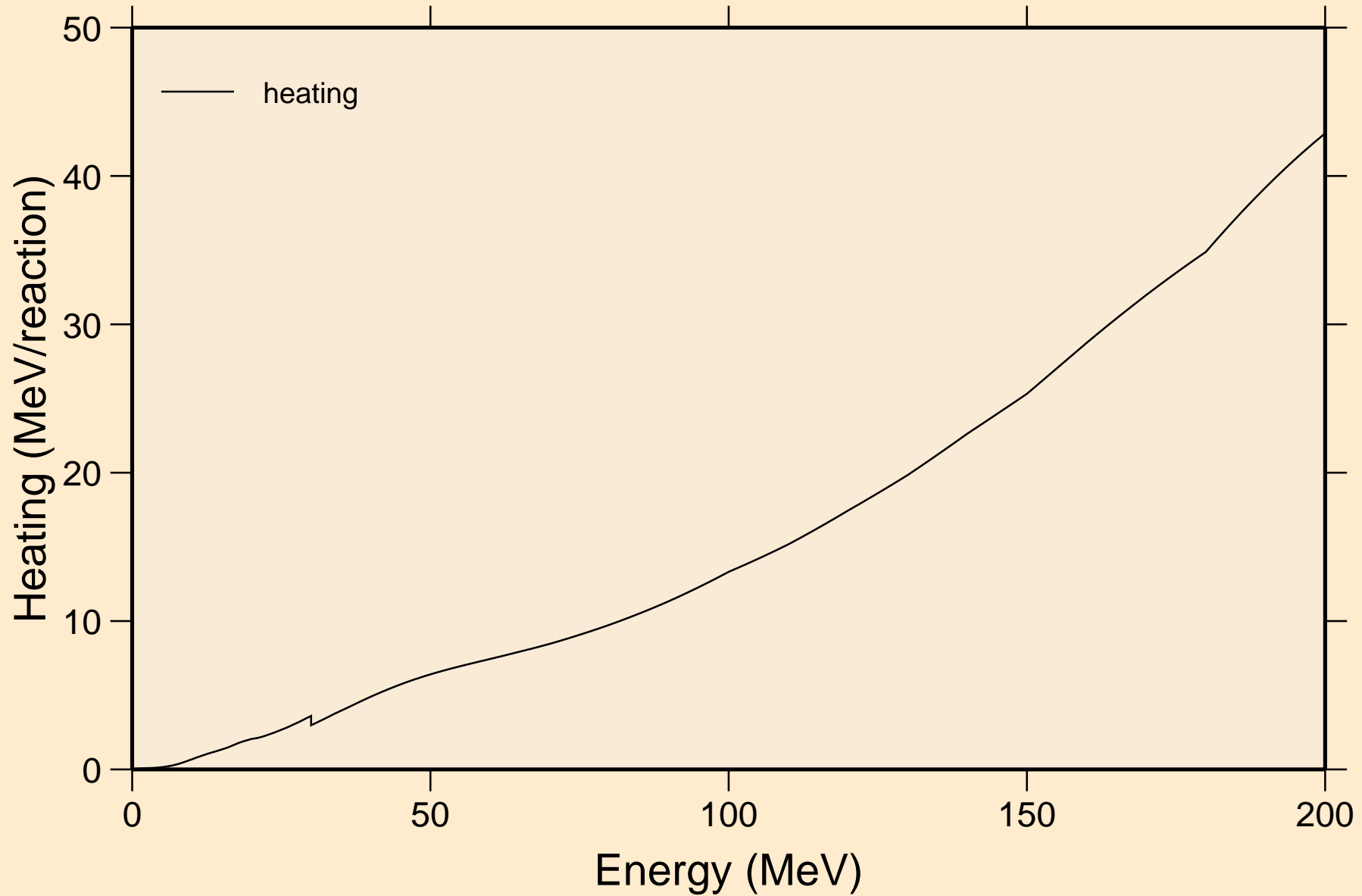


BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Principal cross sections

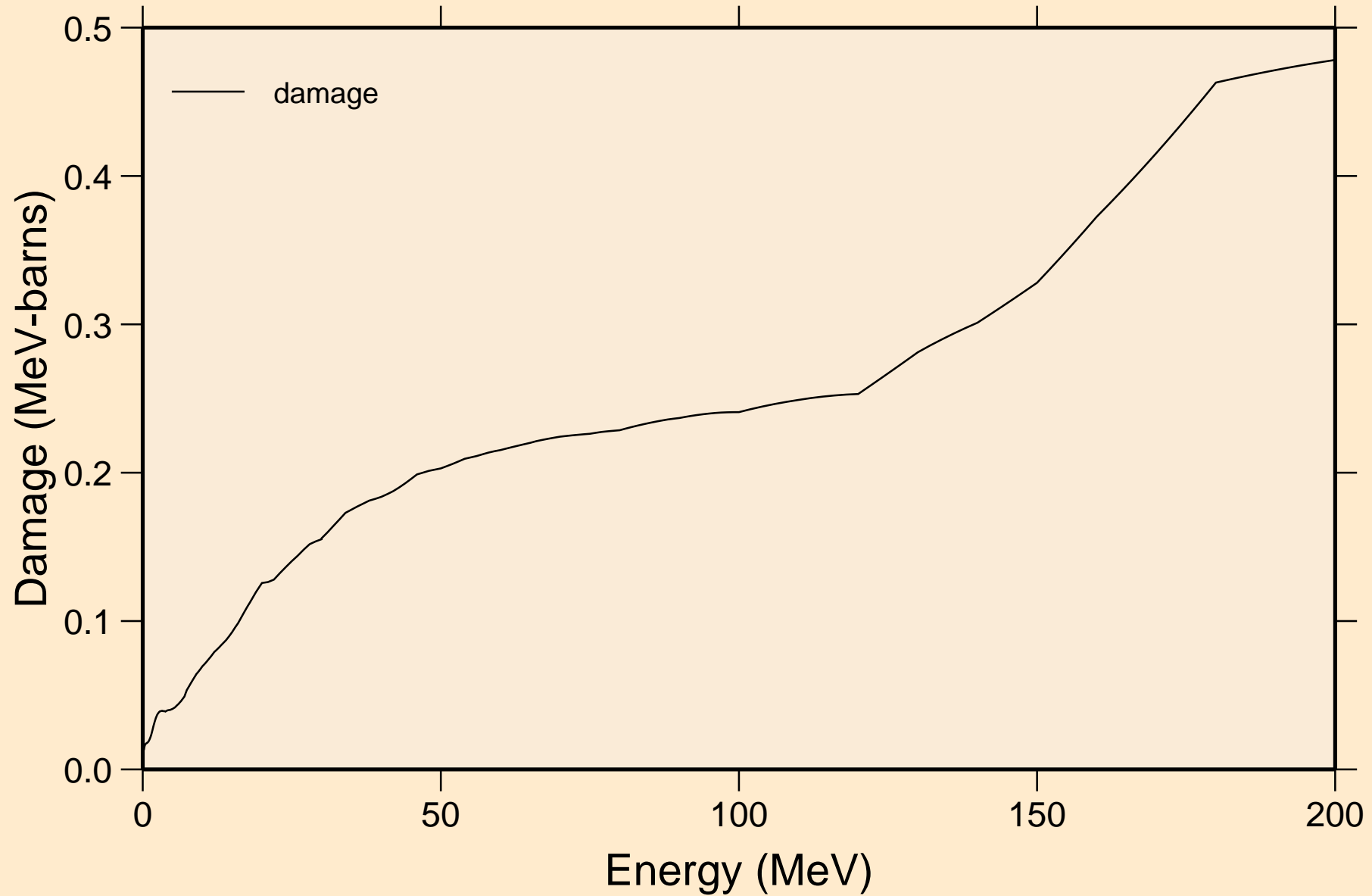


BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

Heating

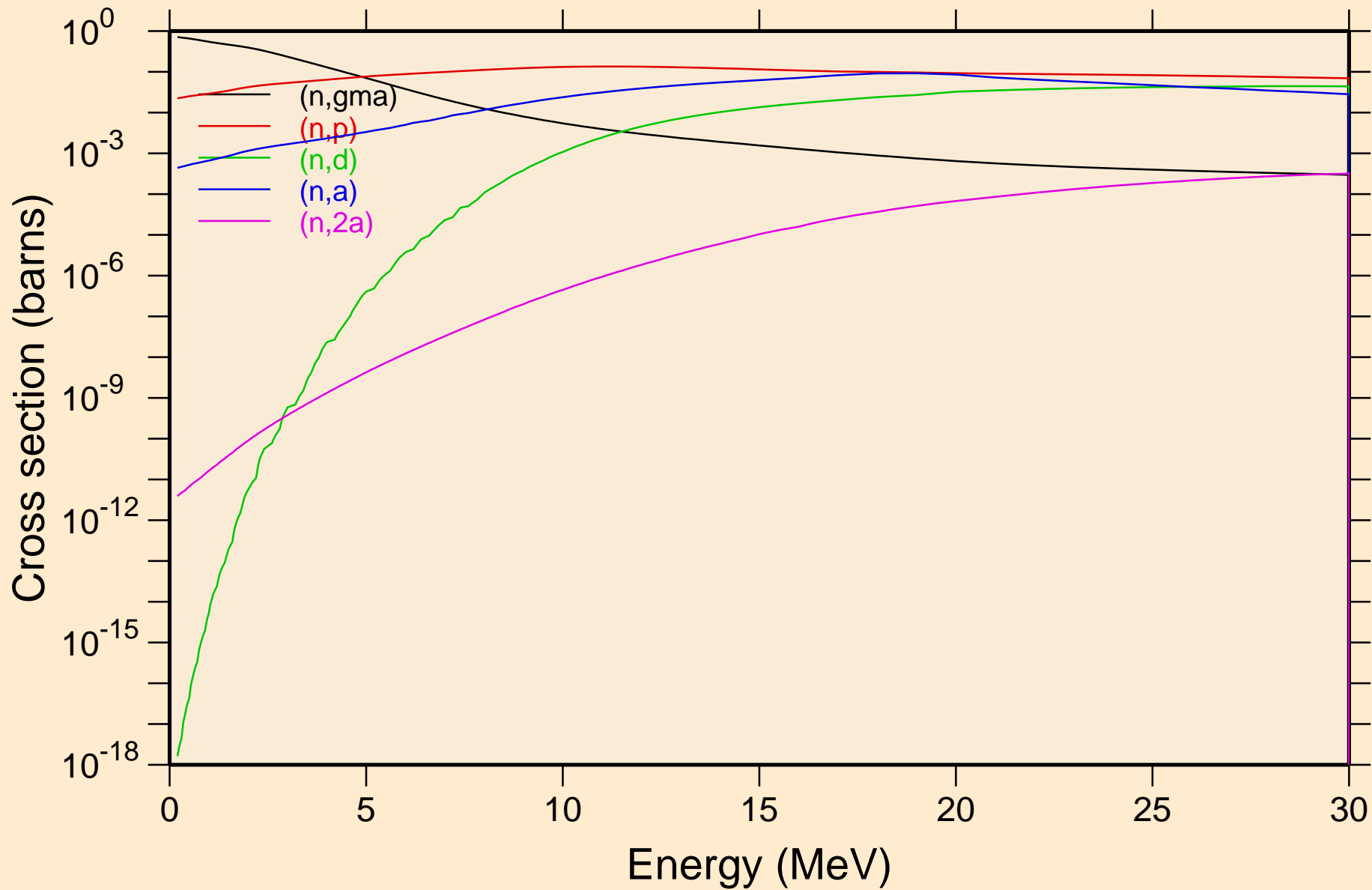


BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Damage

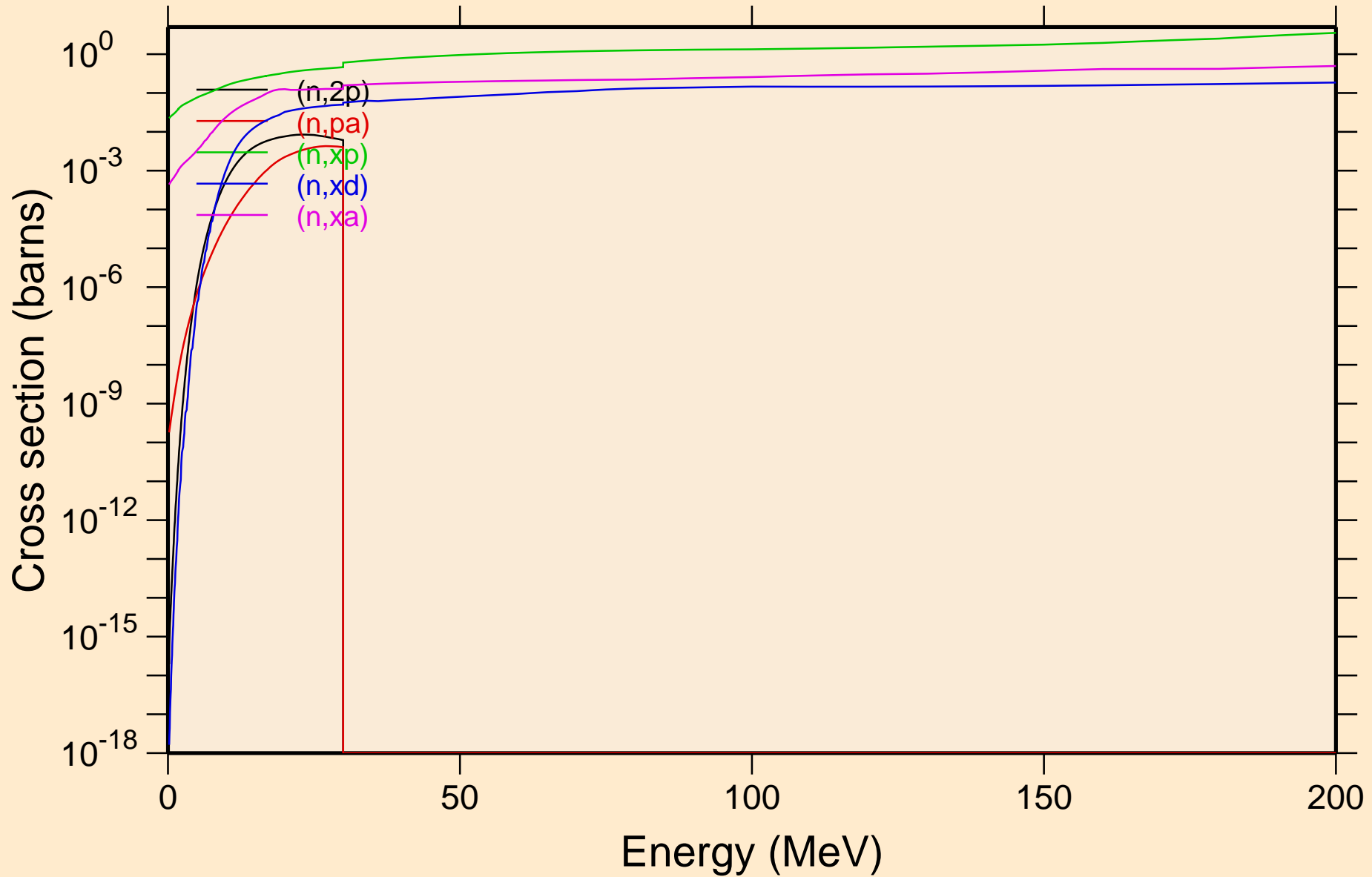




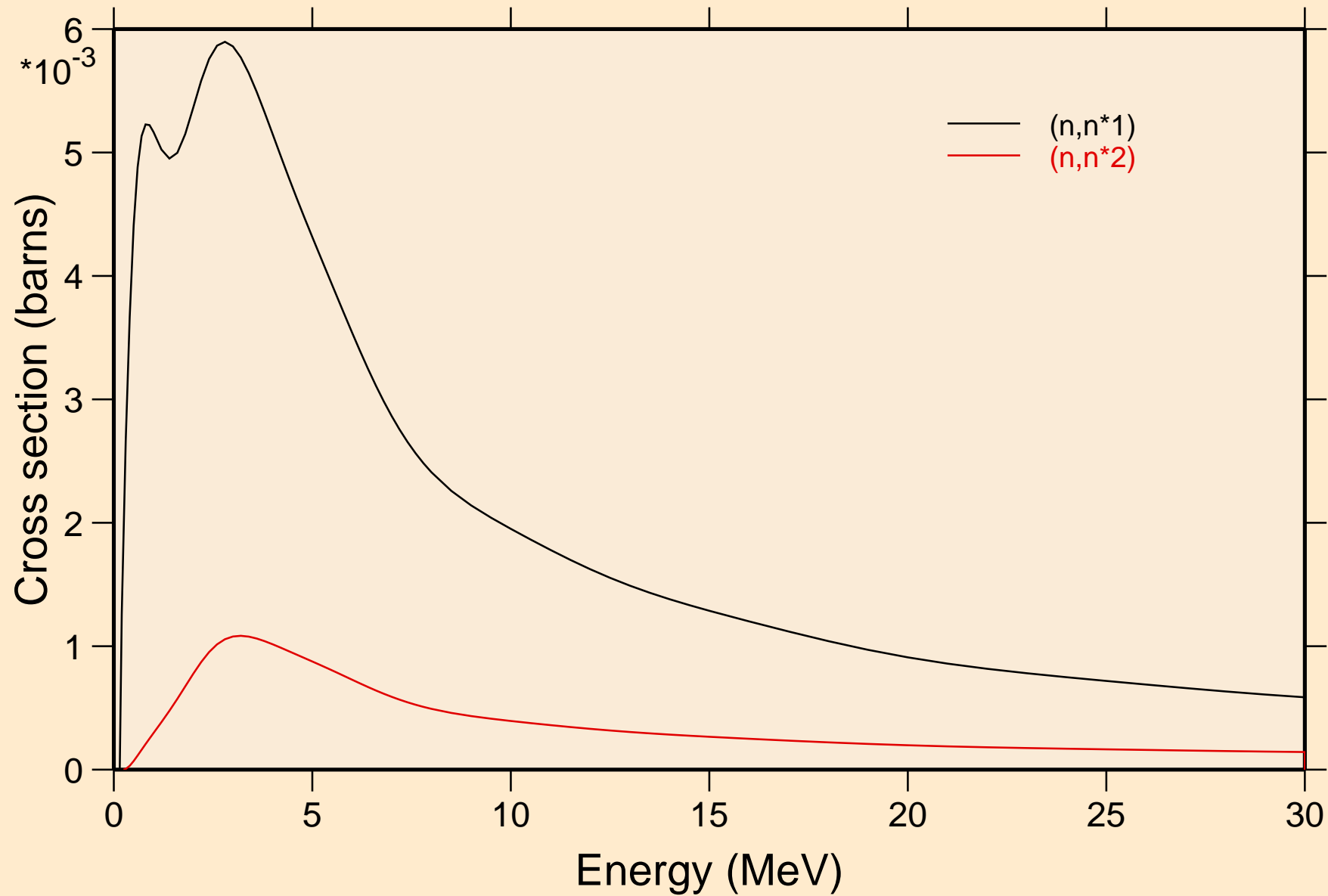
BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions



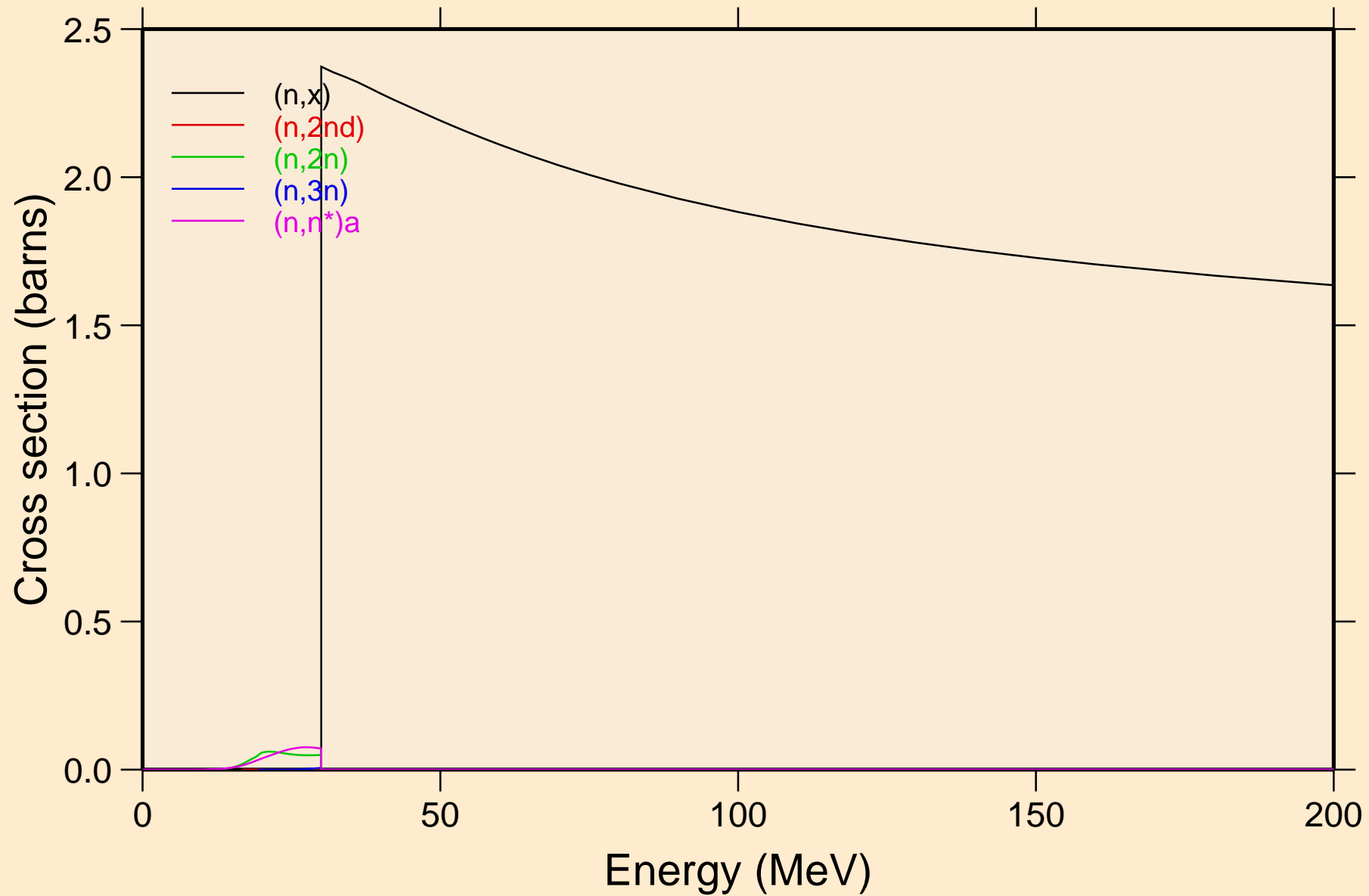
BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions



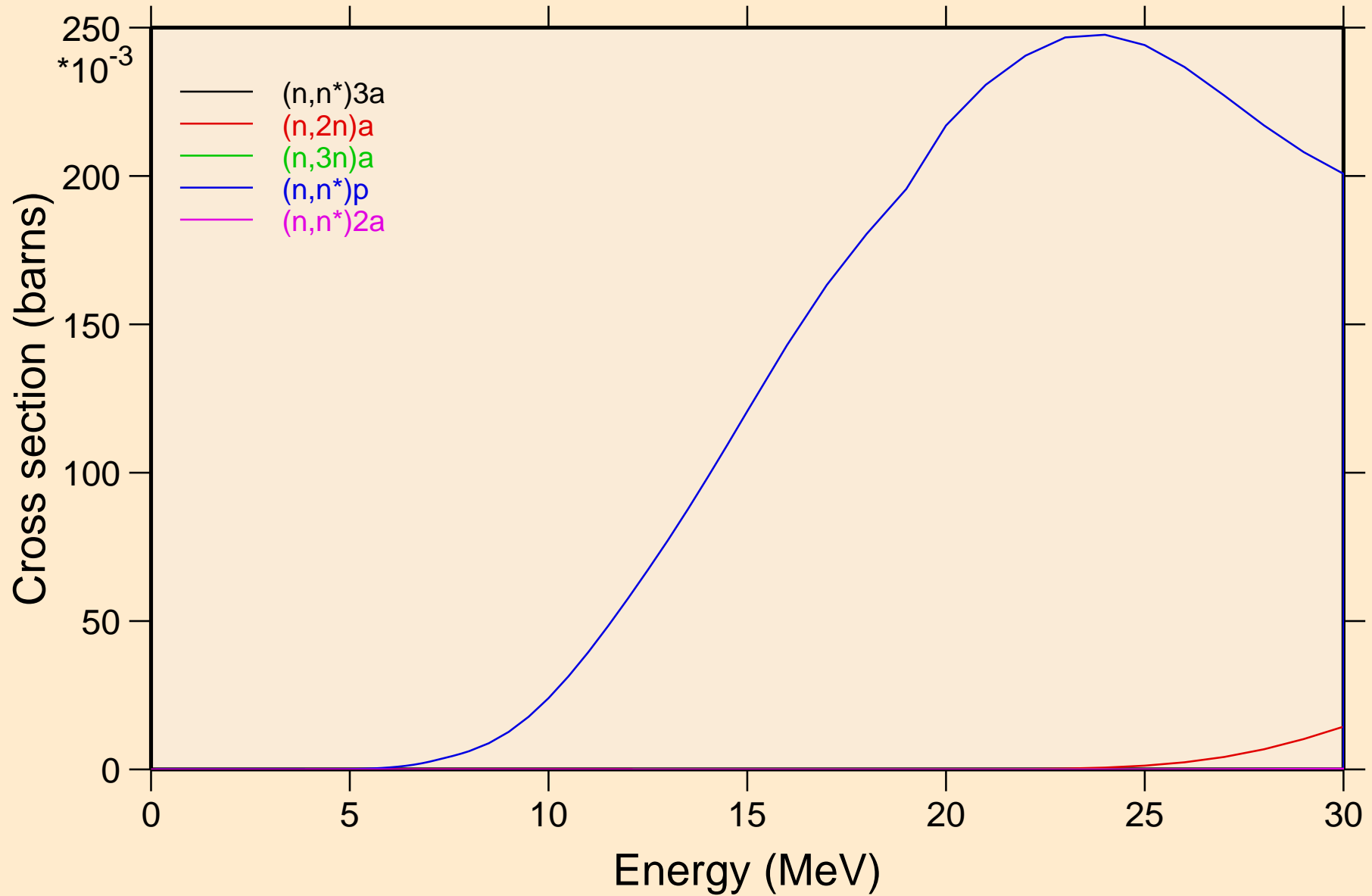
BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



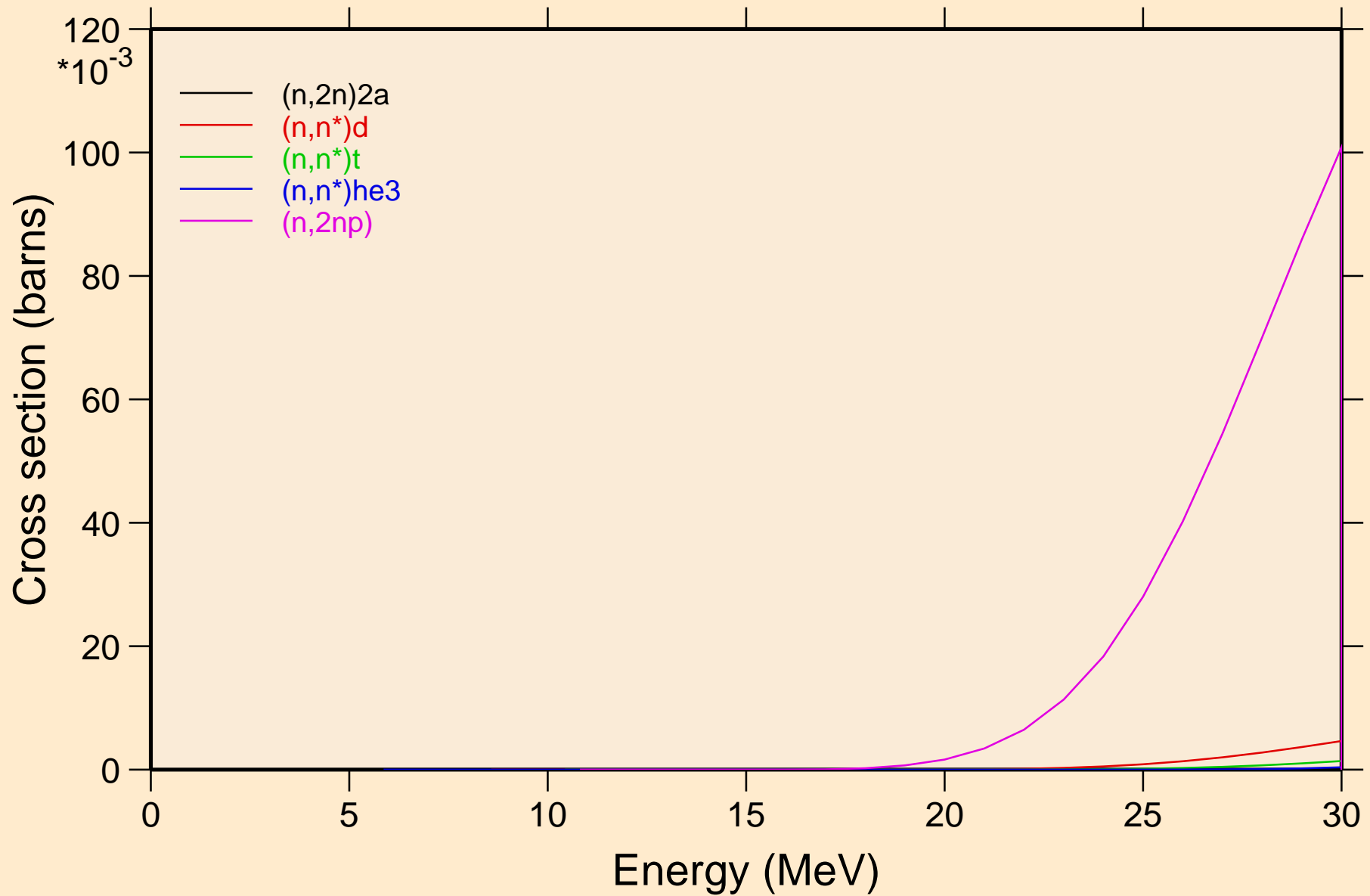
BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



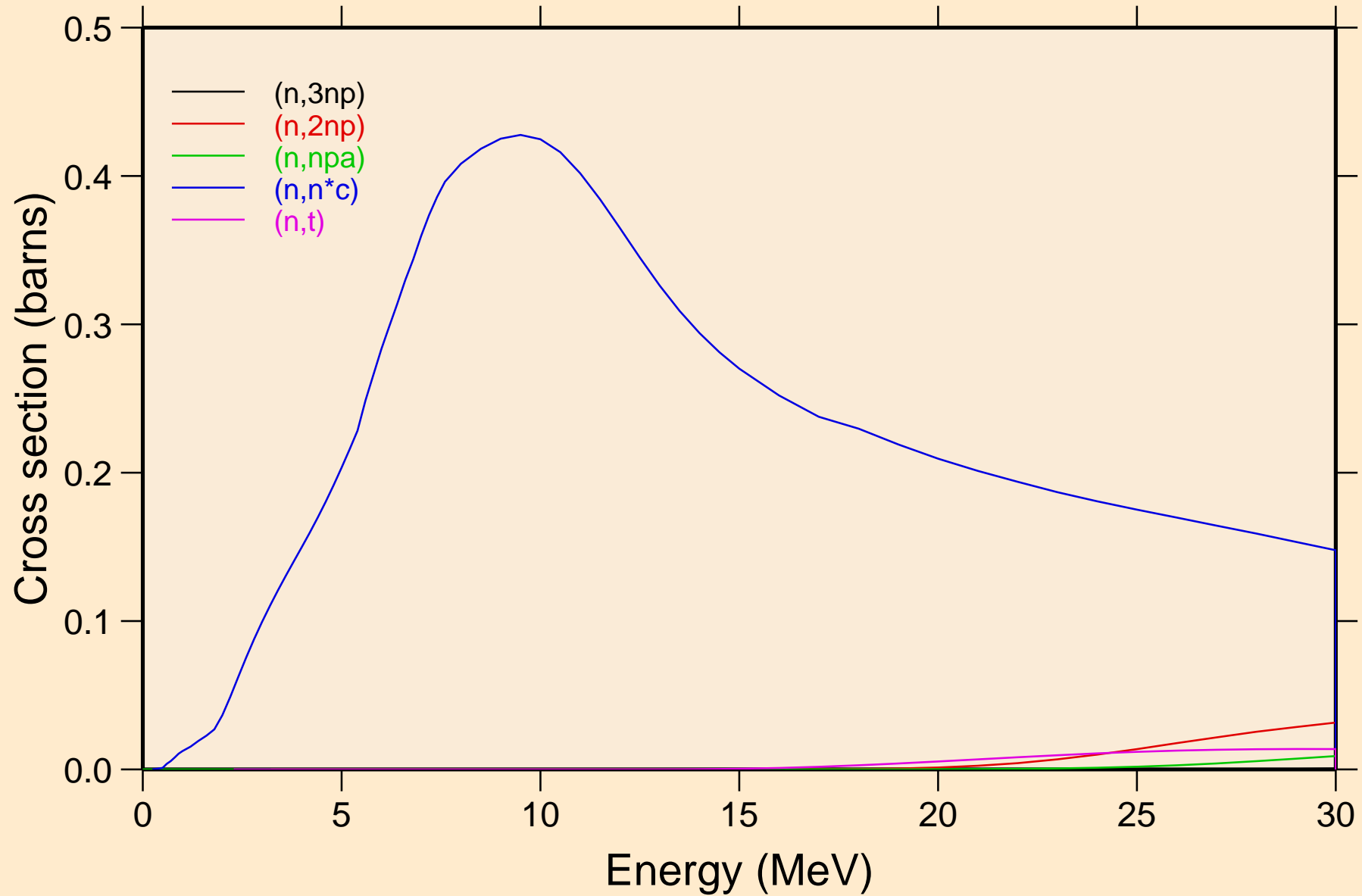
BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



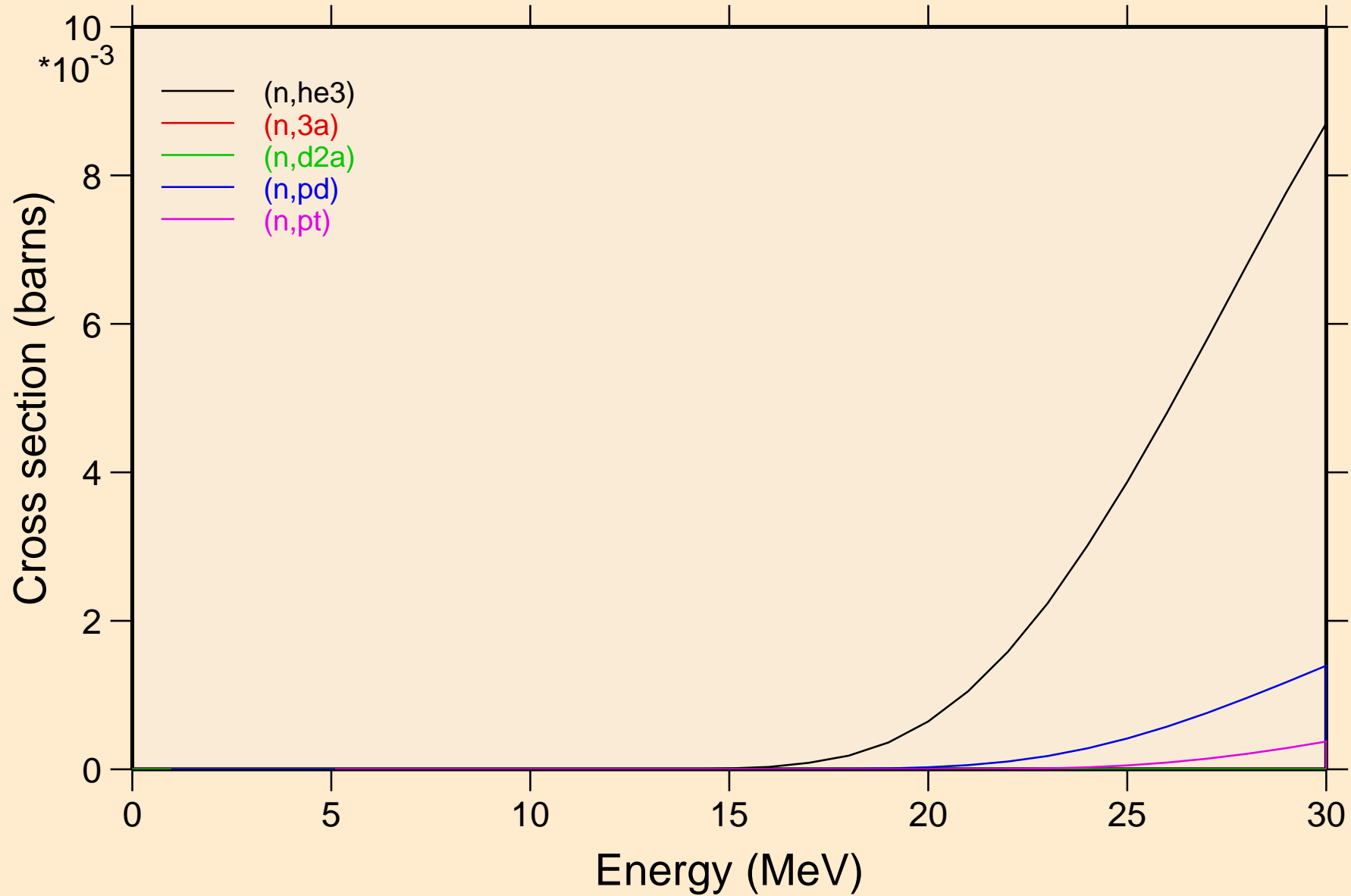
BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions

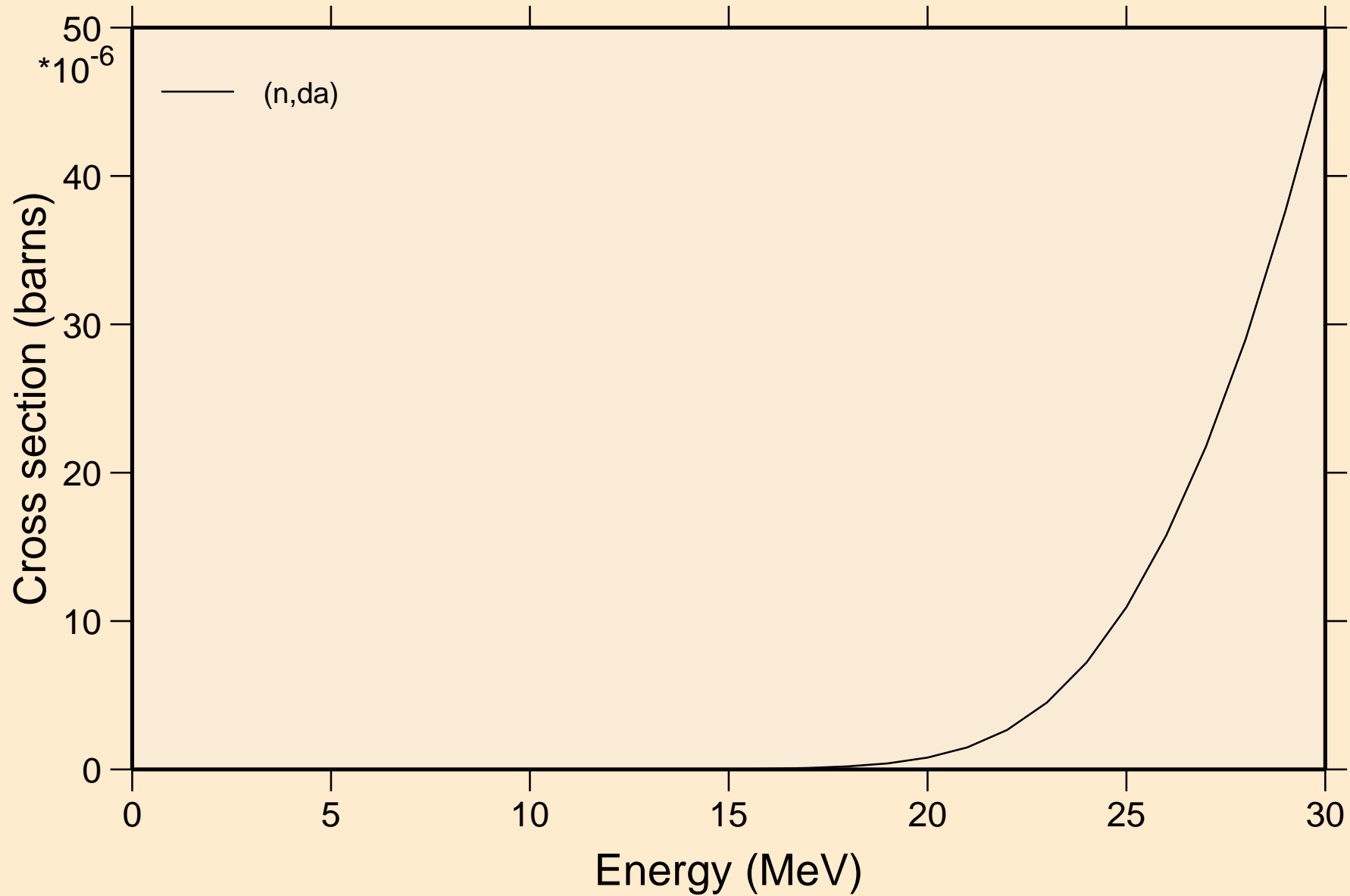


BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions

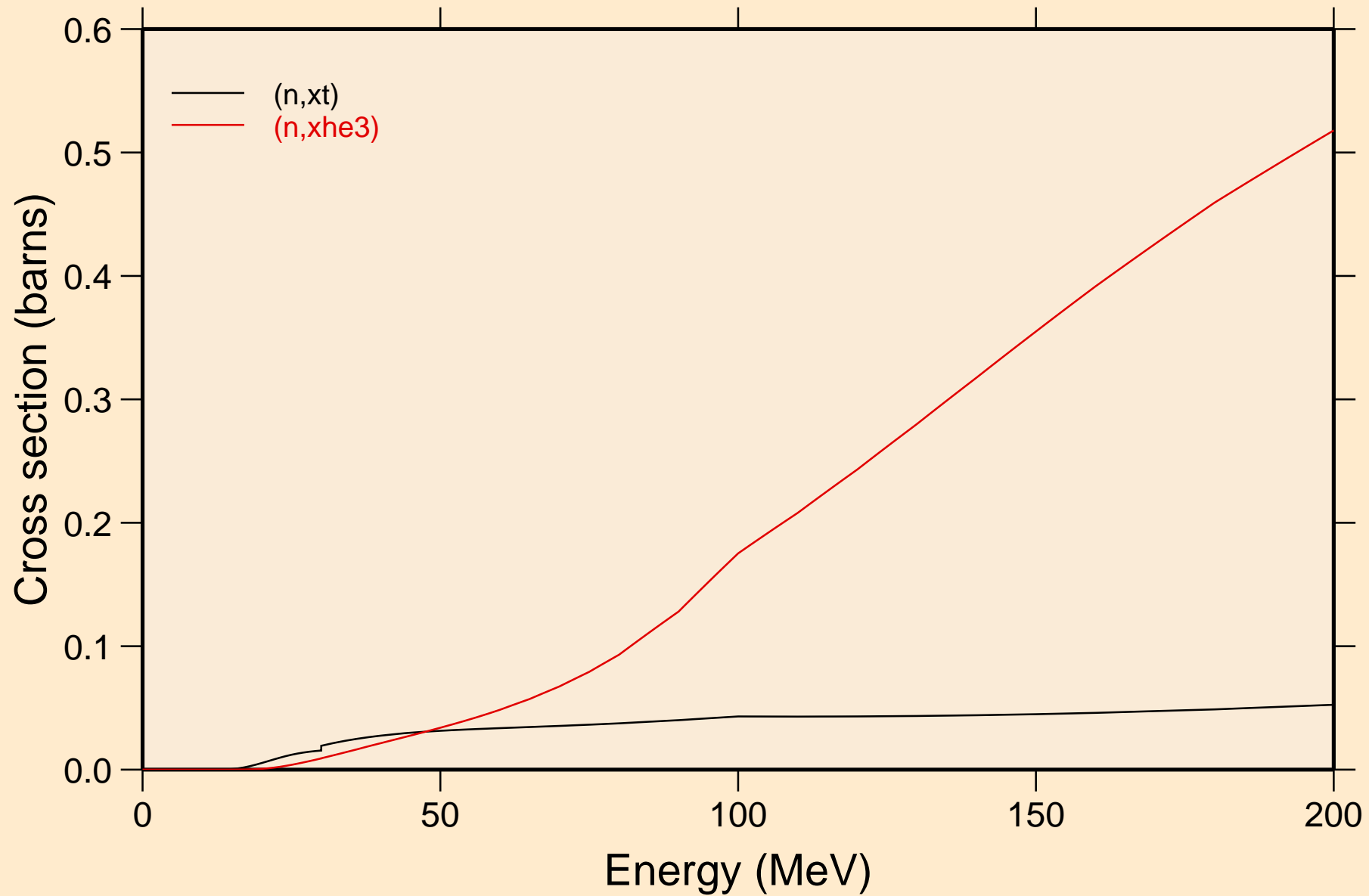




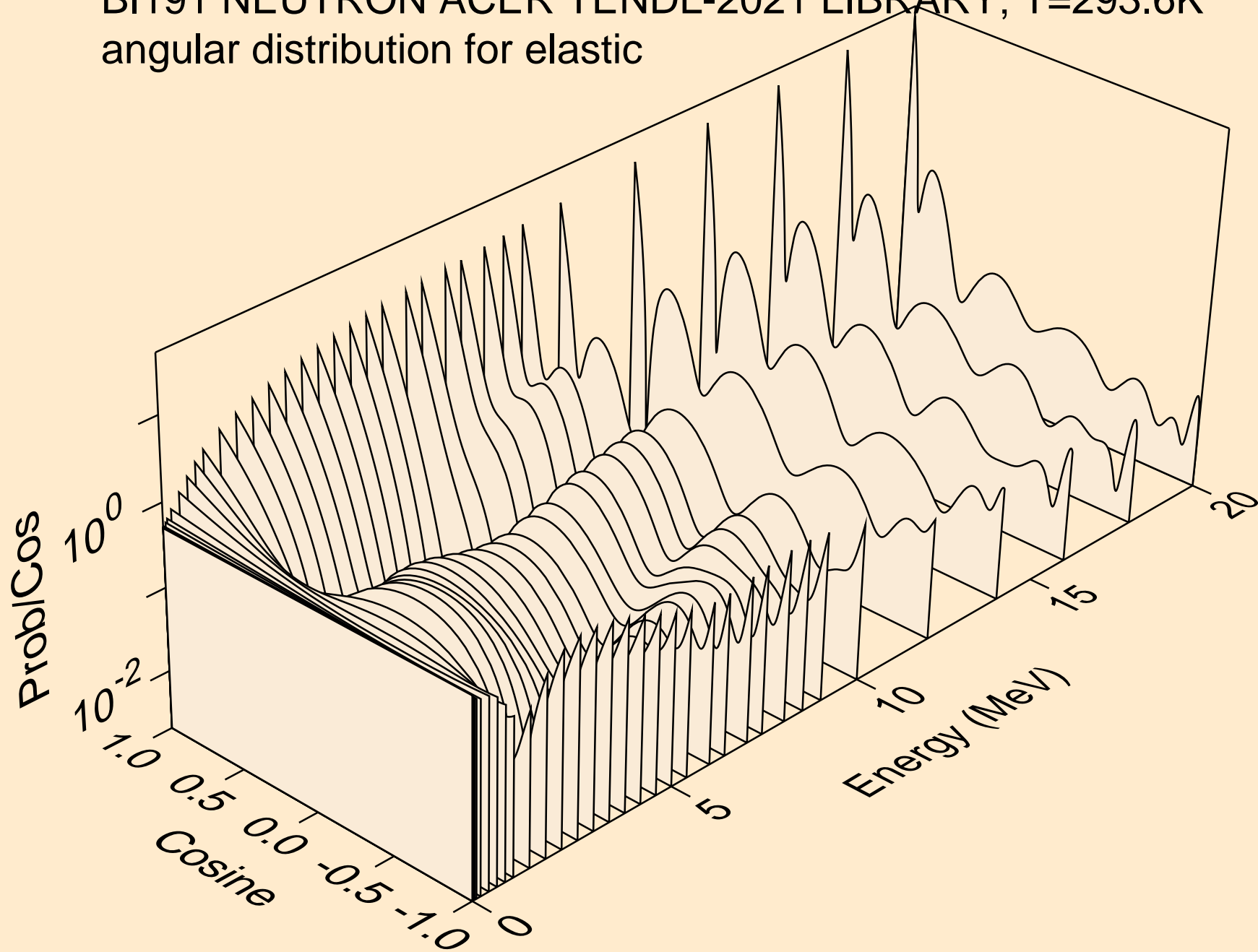
BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



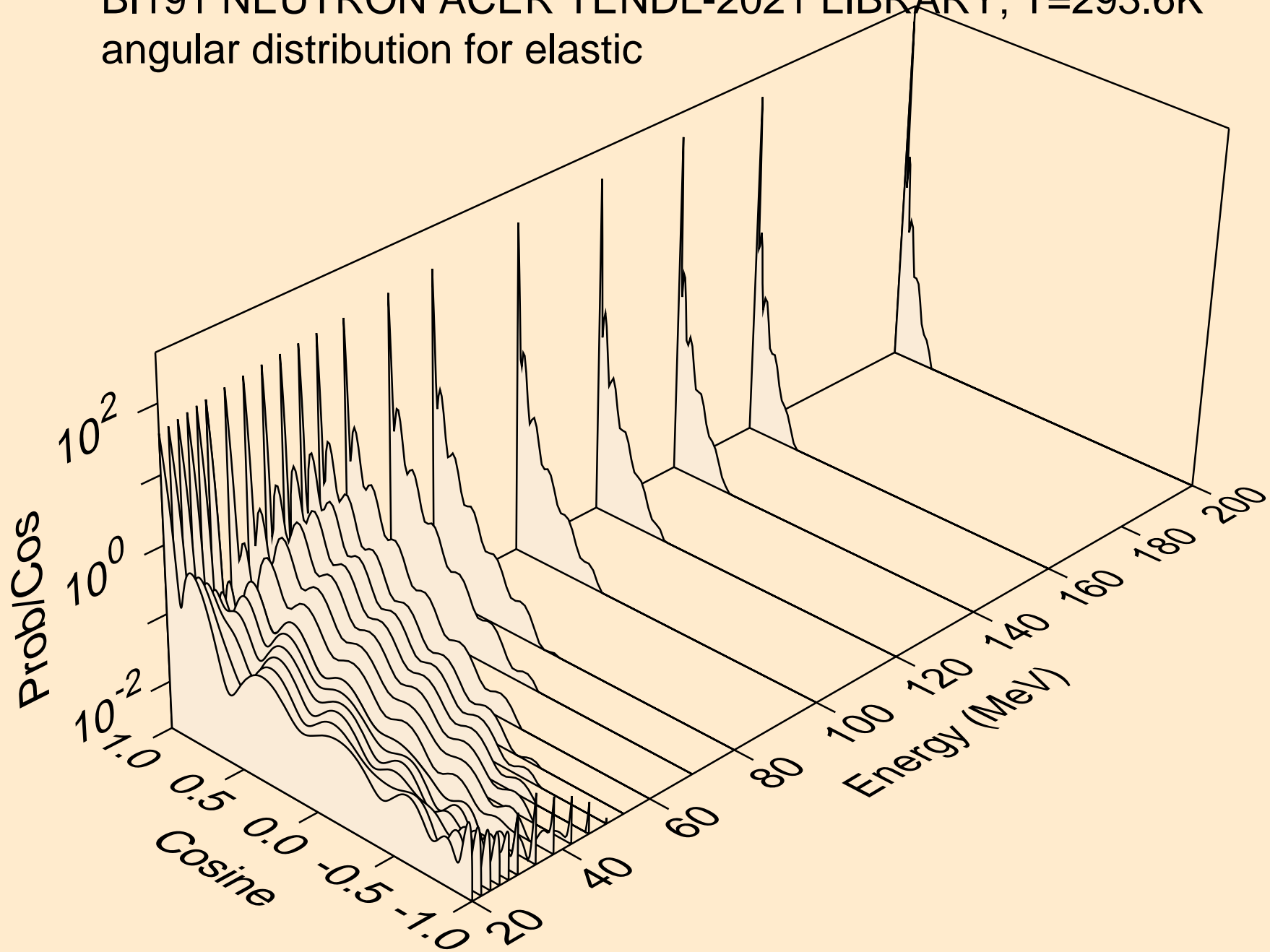
BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



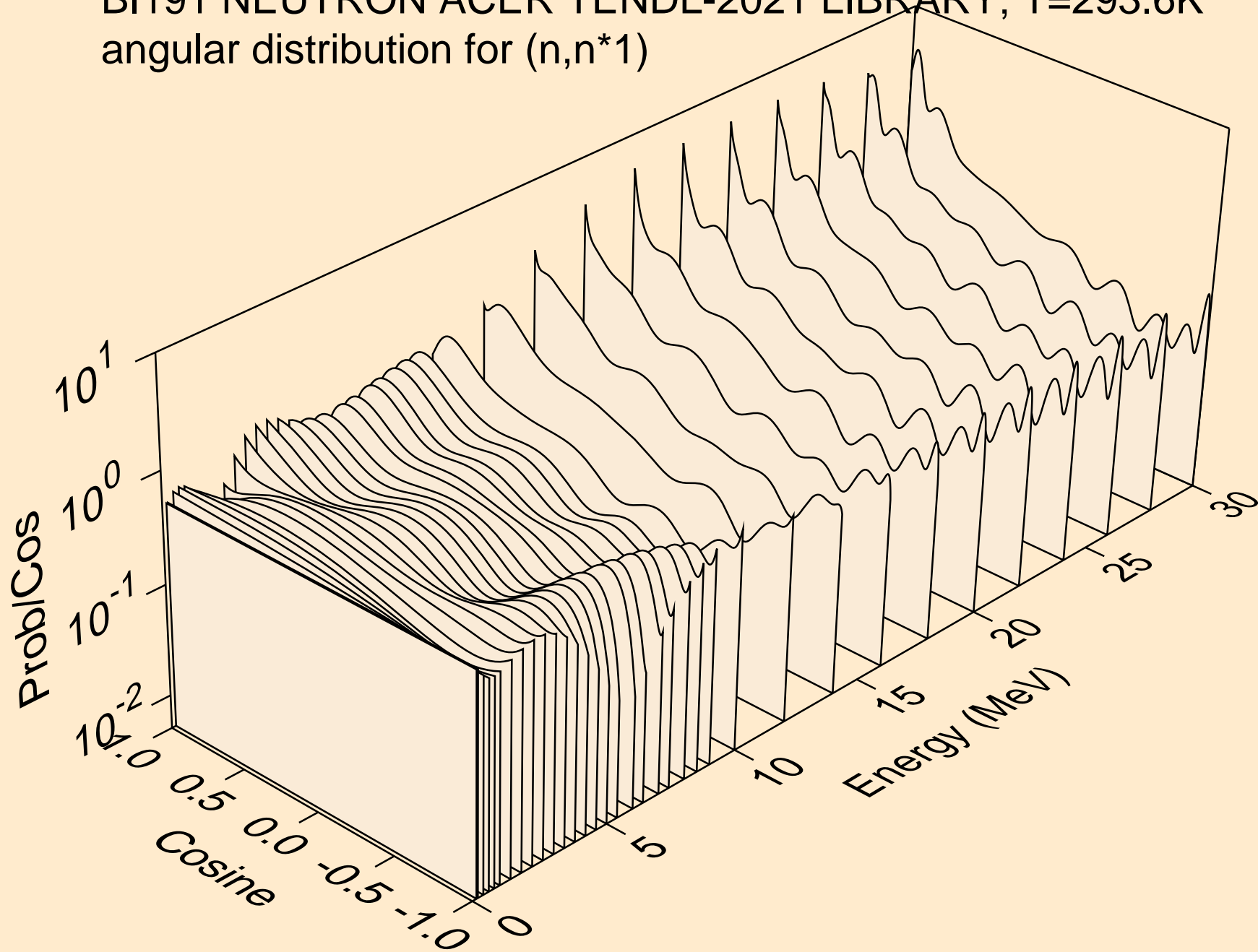
BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for elastic



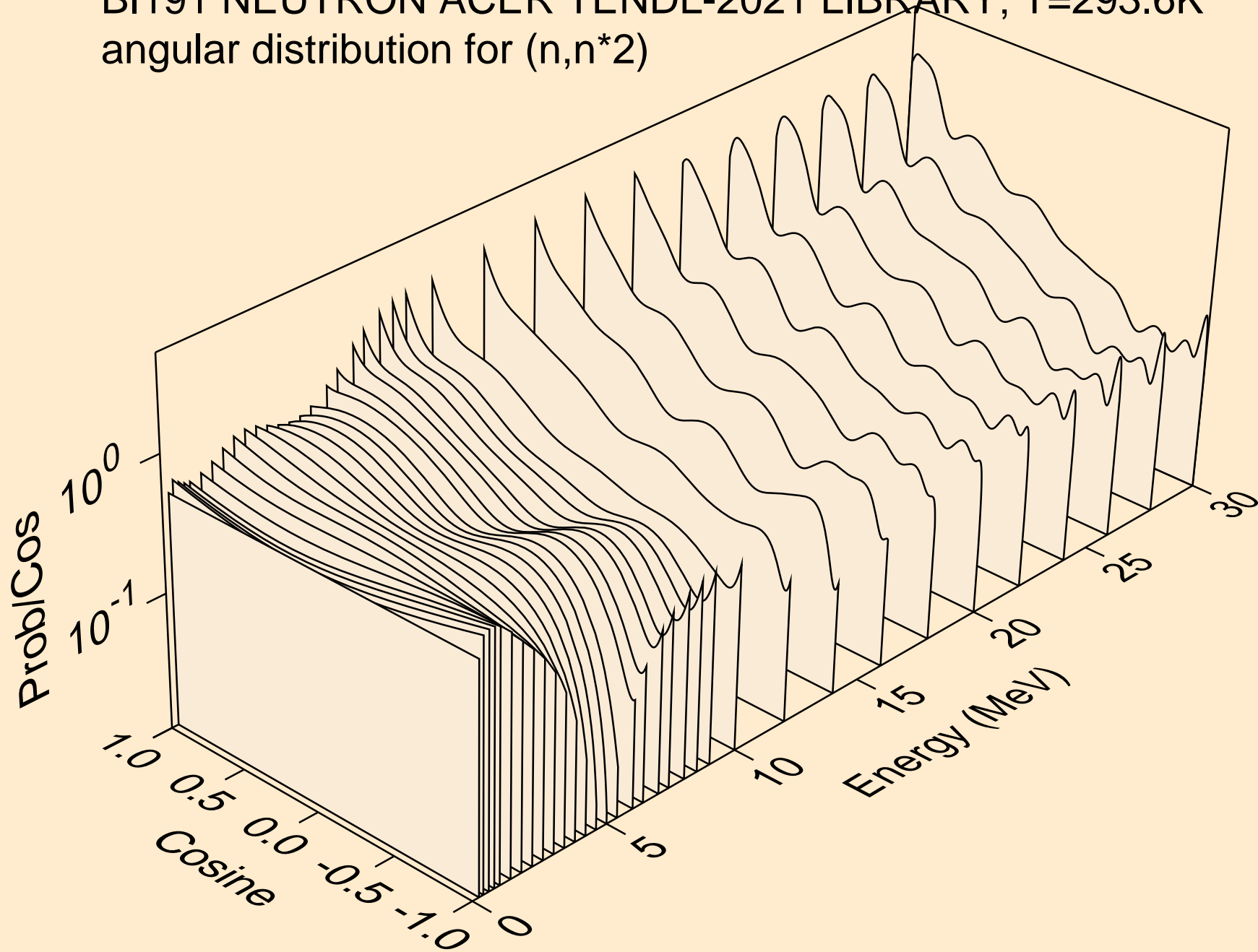
BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for elastic



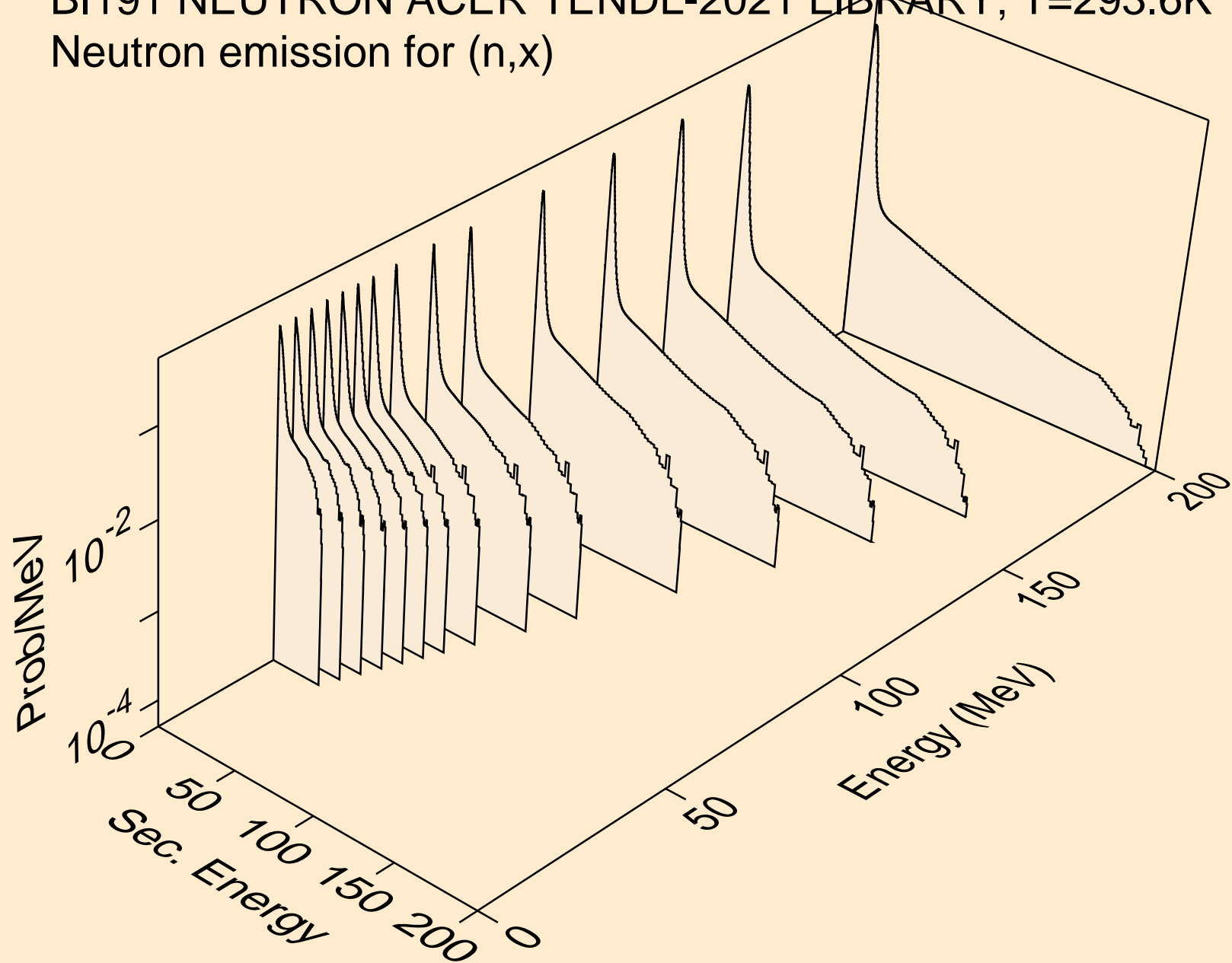
BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*1)



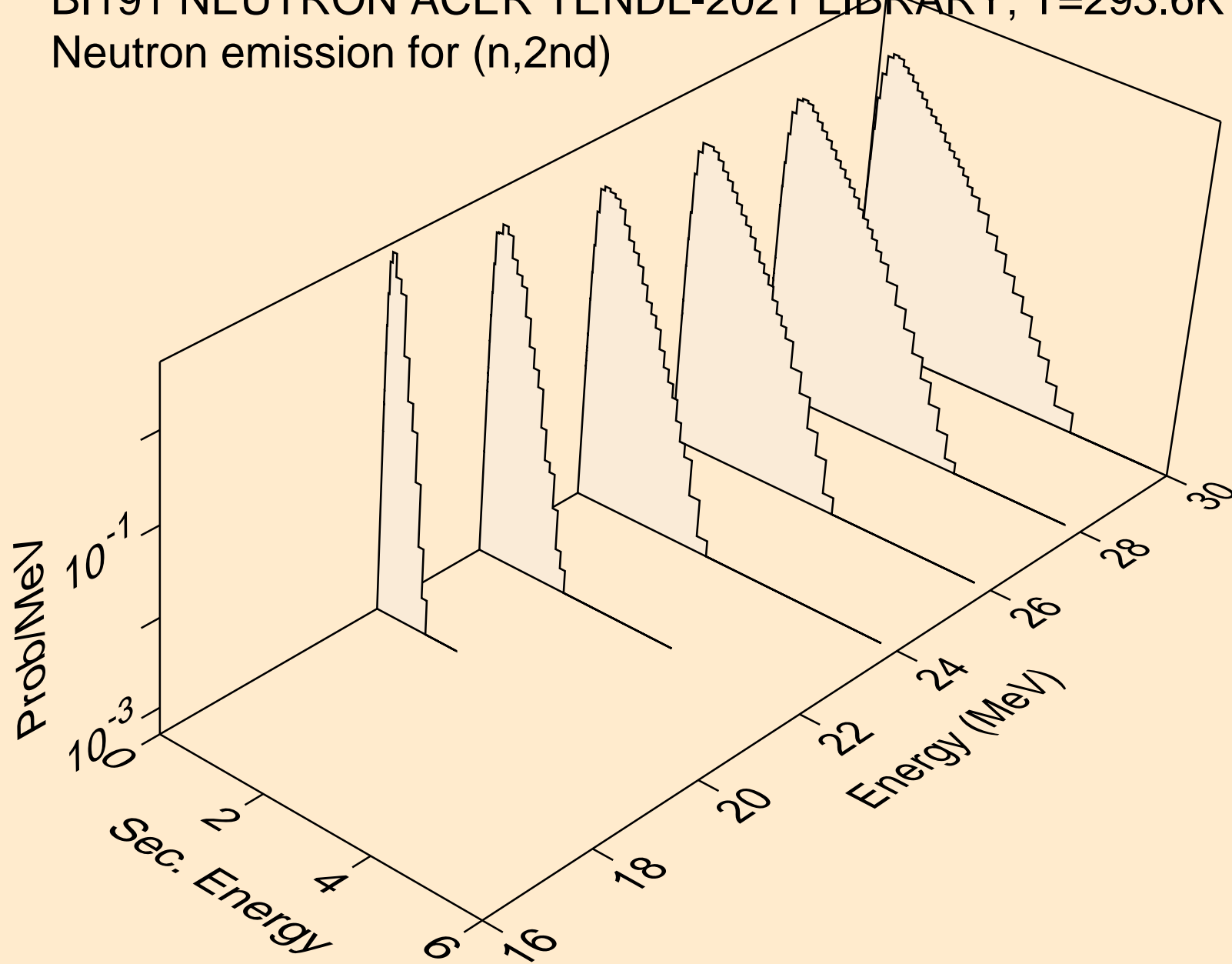
BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*2)



BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,x)

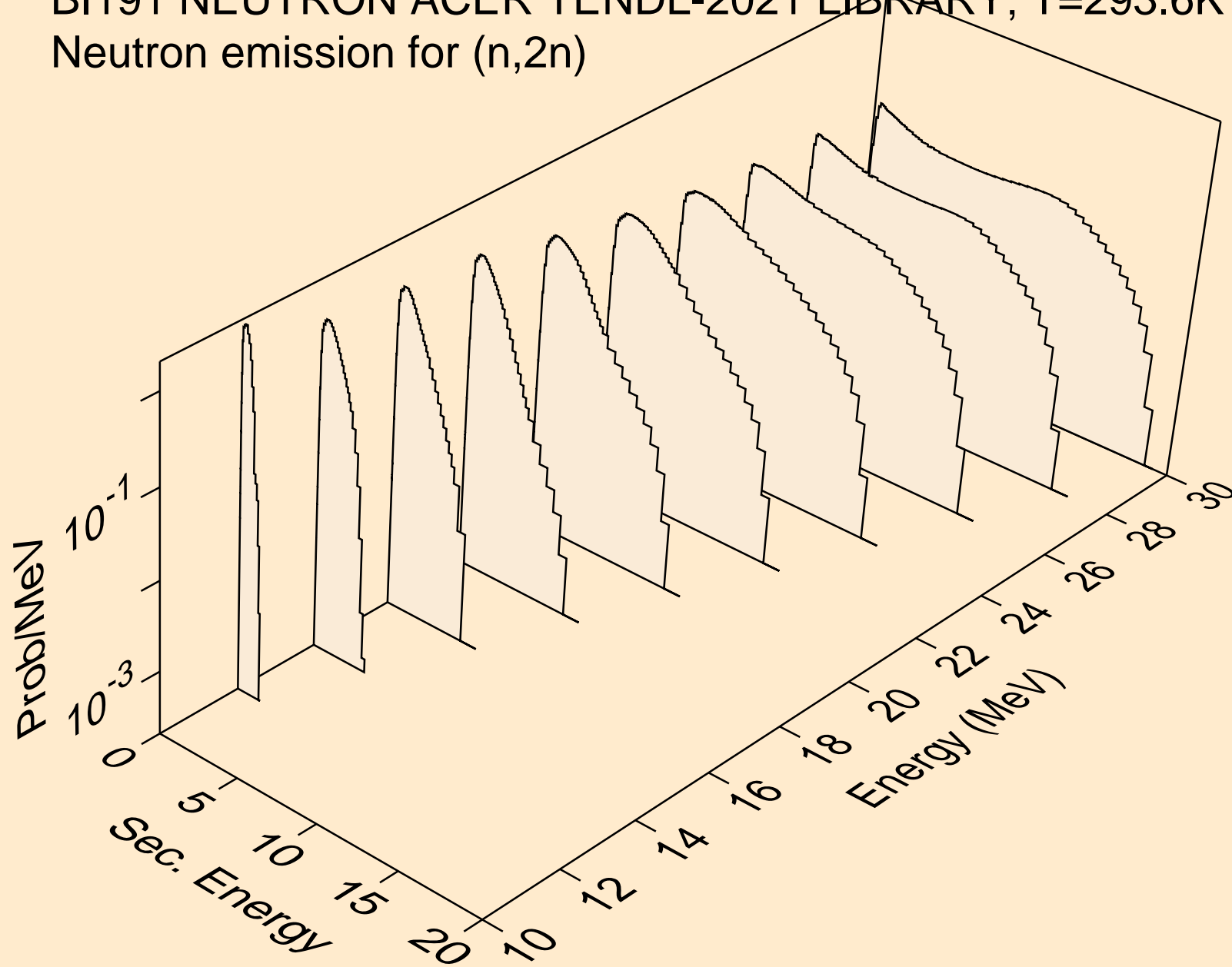


BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2nd)

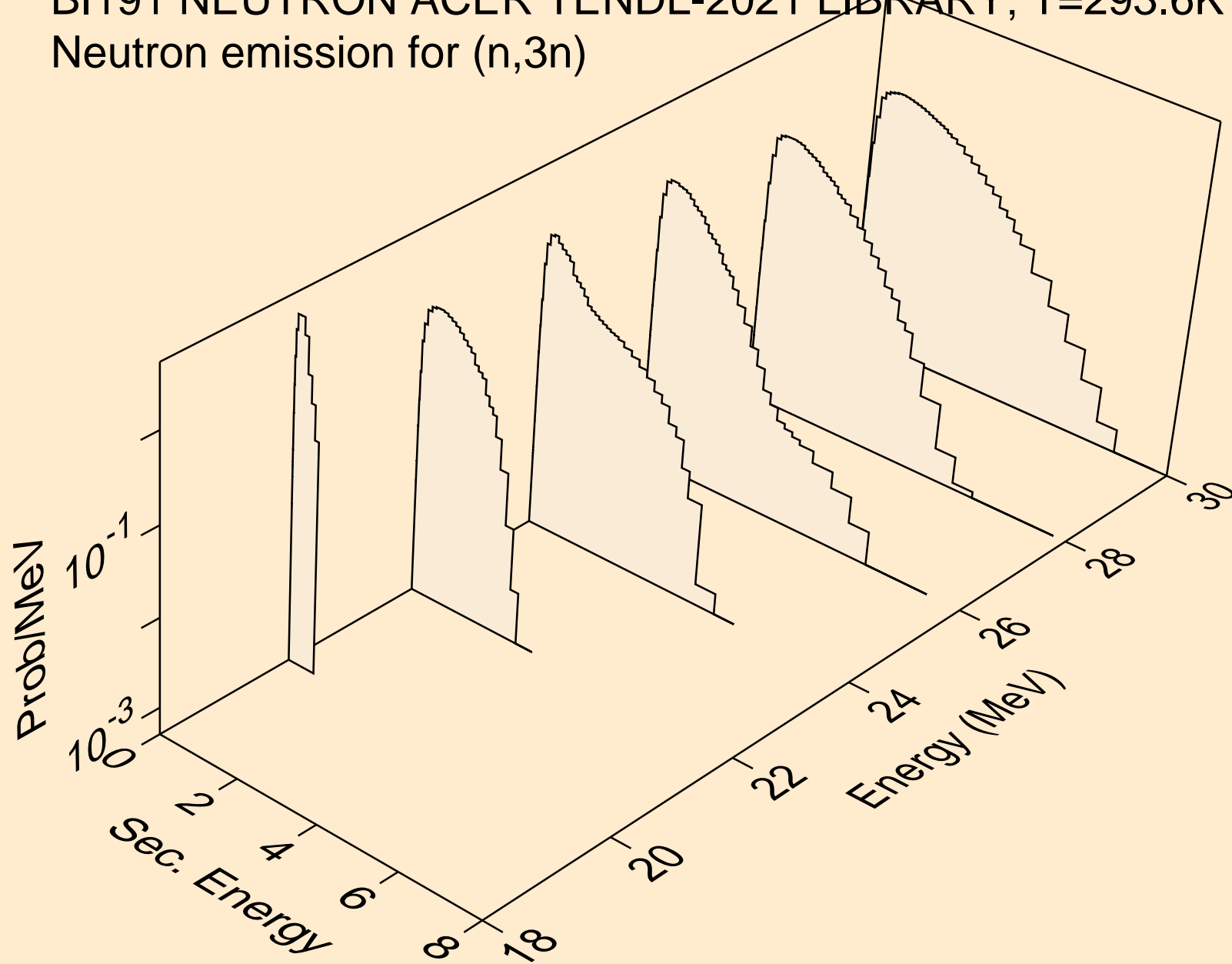




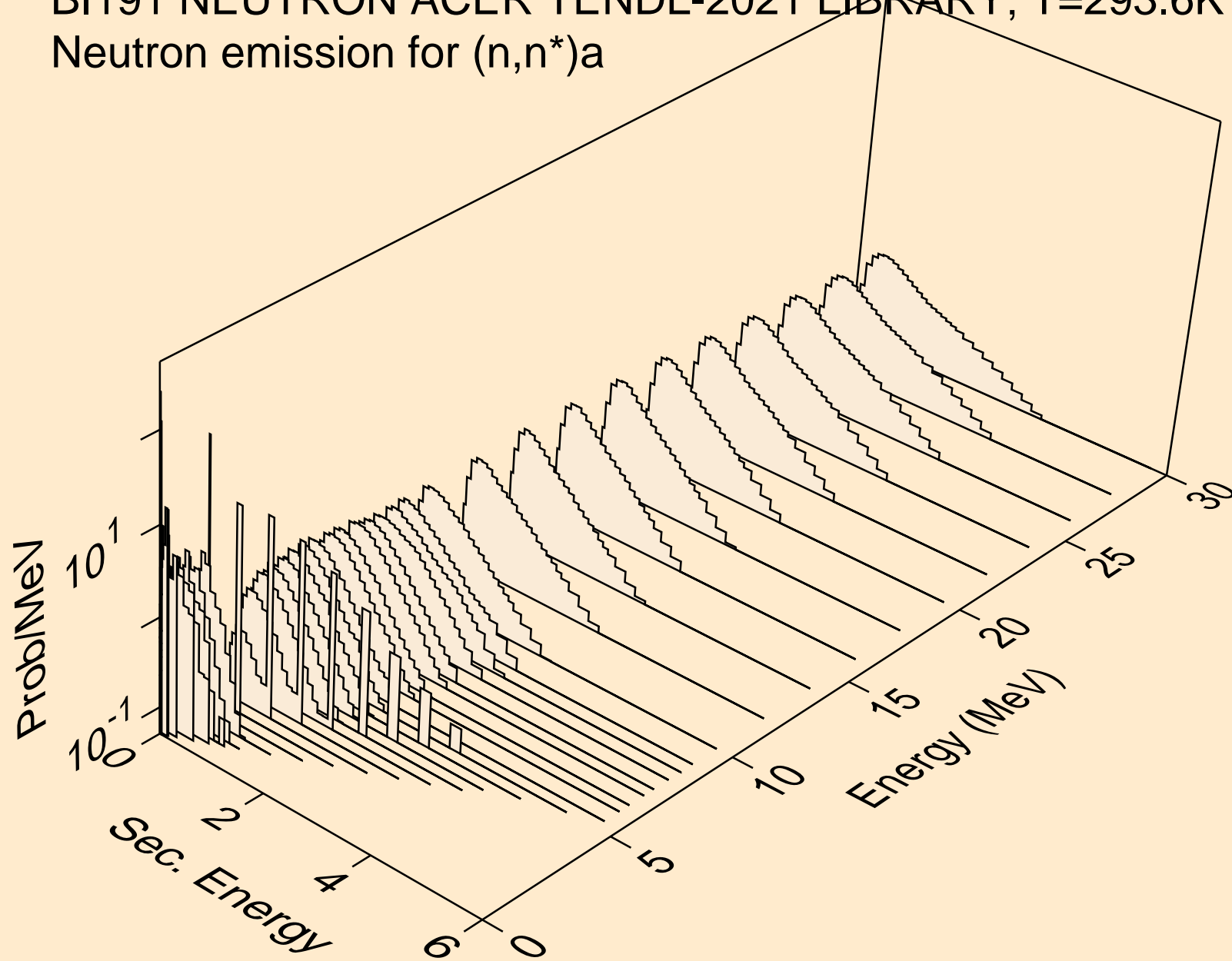
BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)



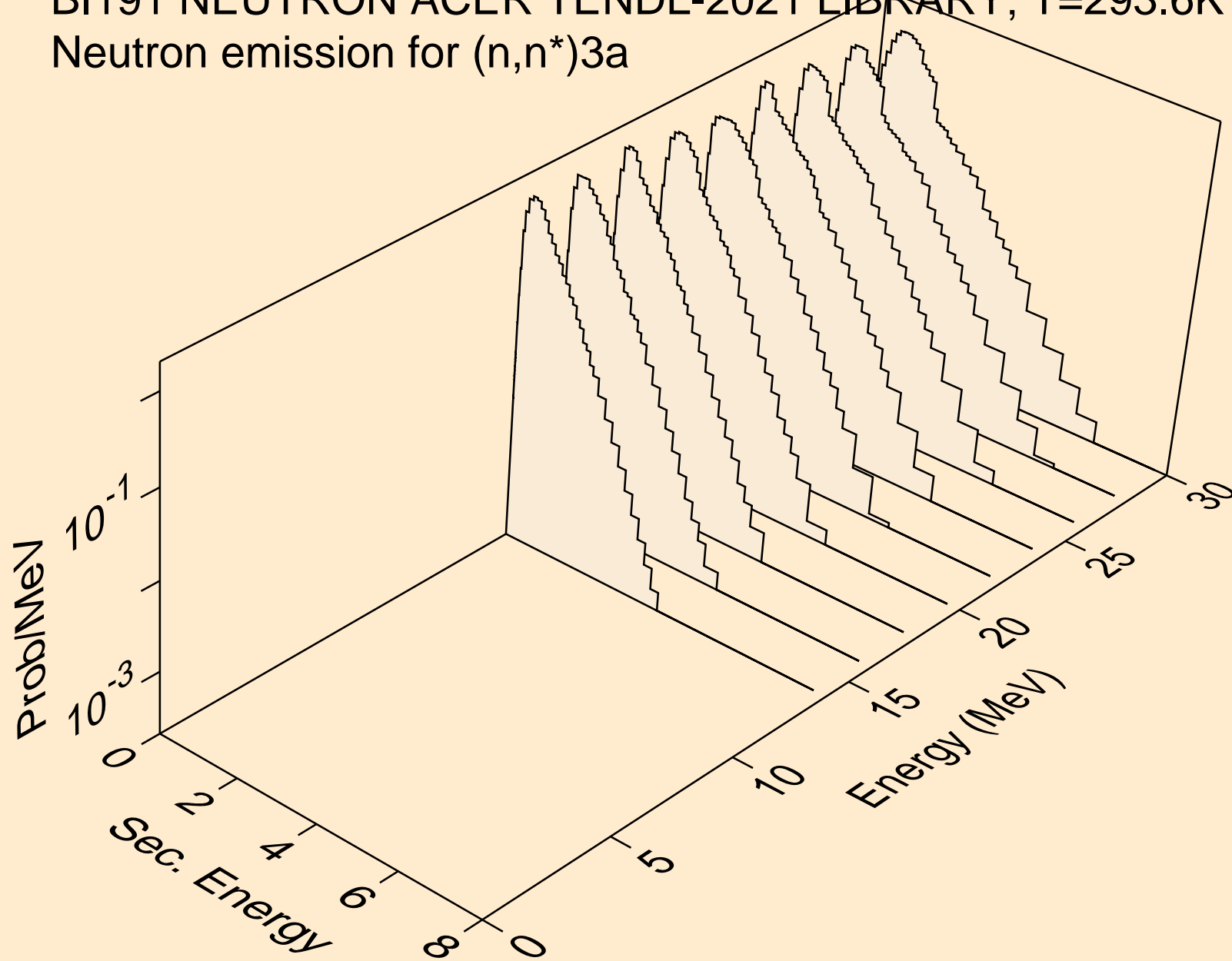
BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3n)



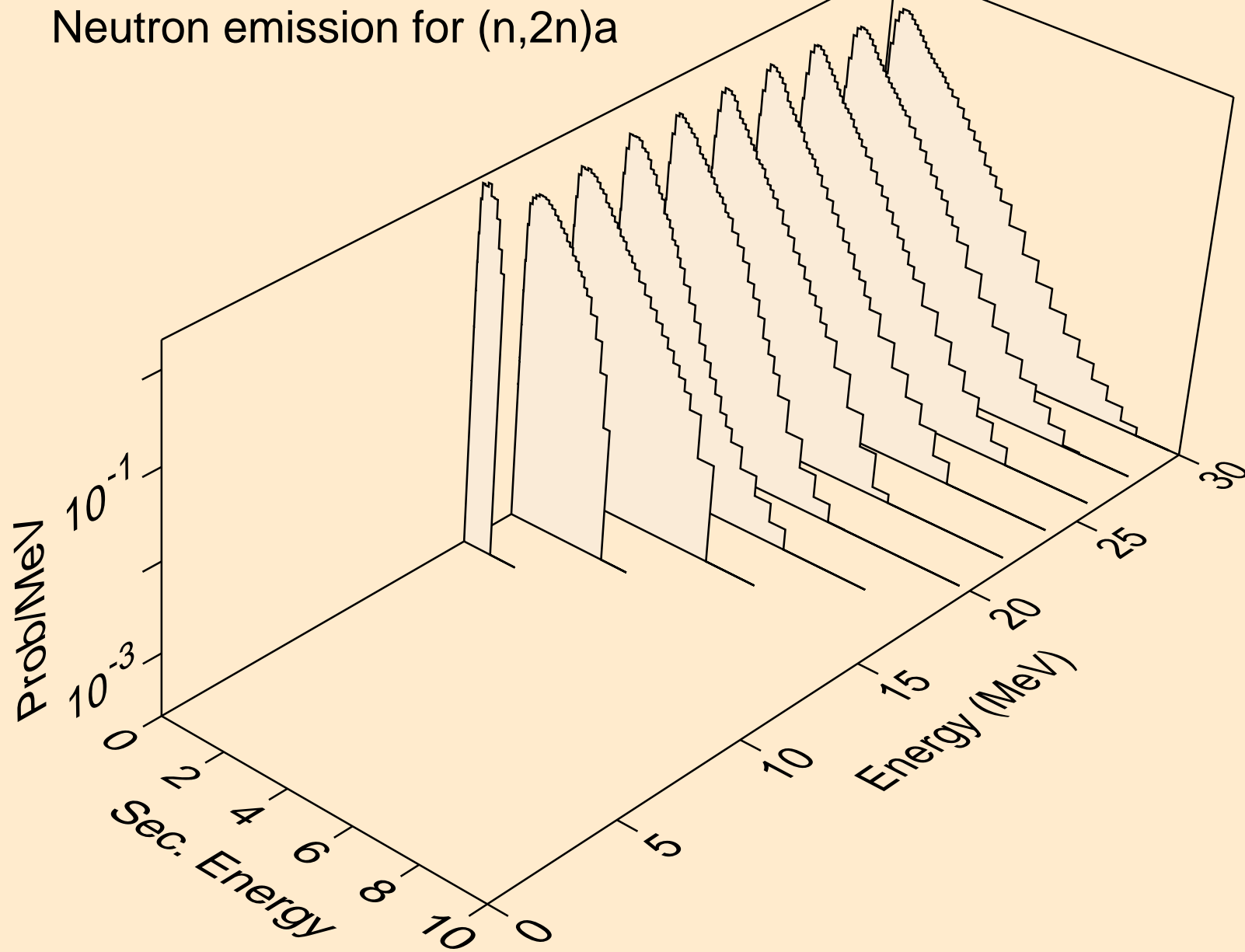
BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)a



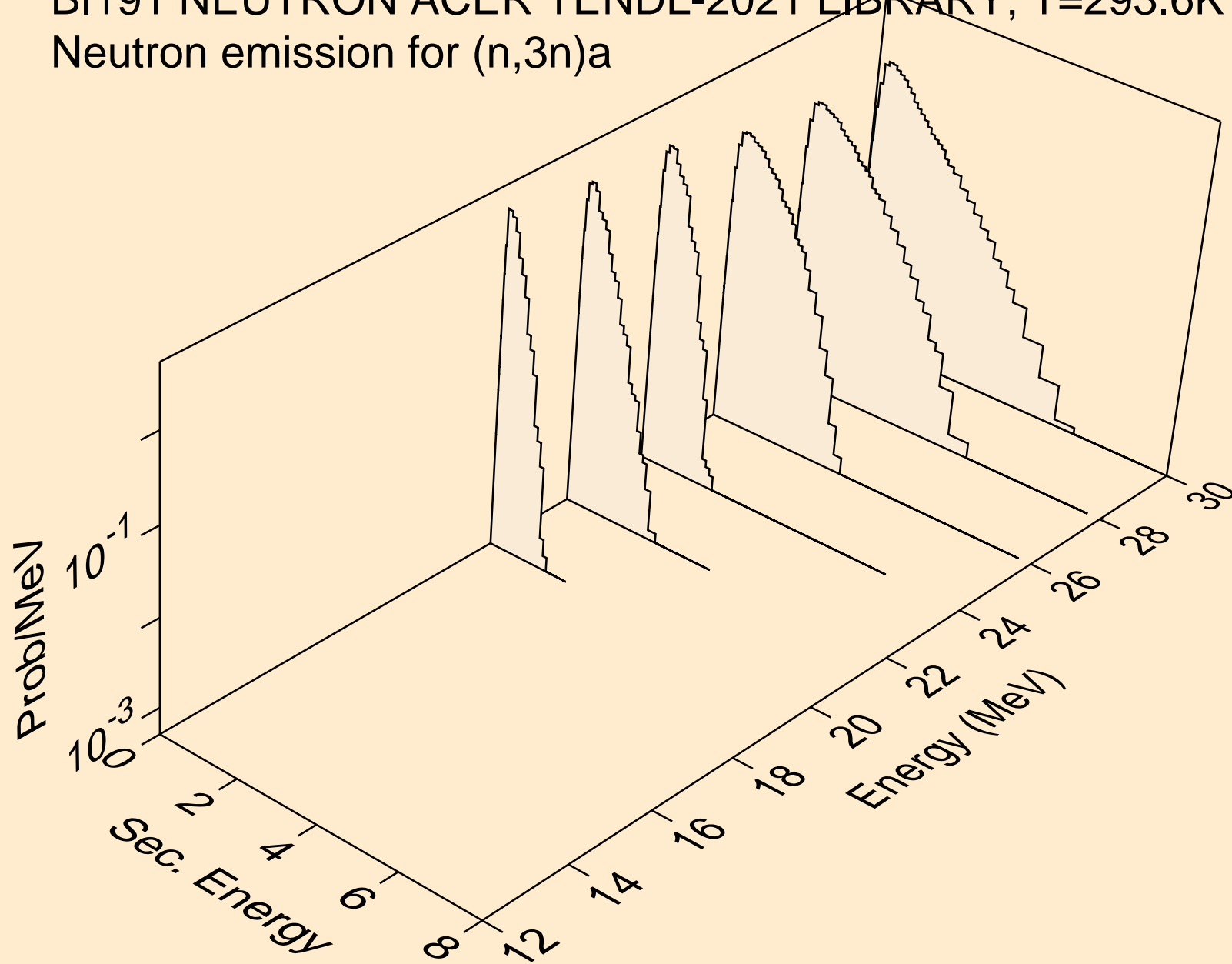
BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)3a



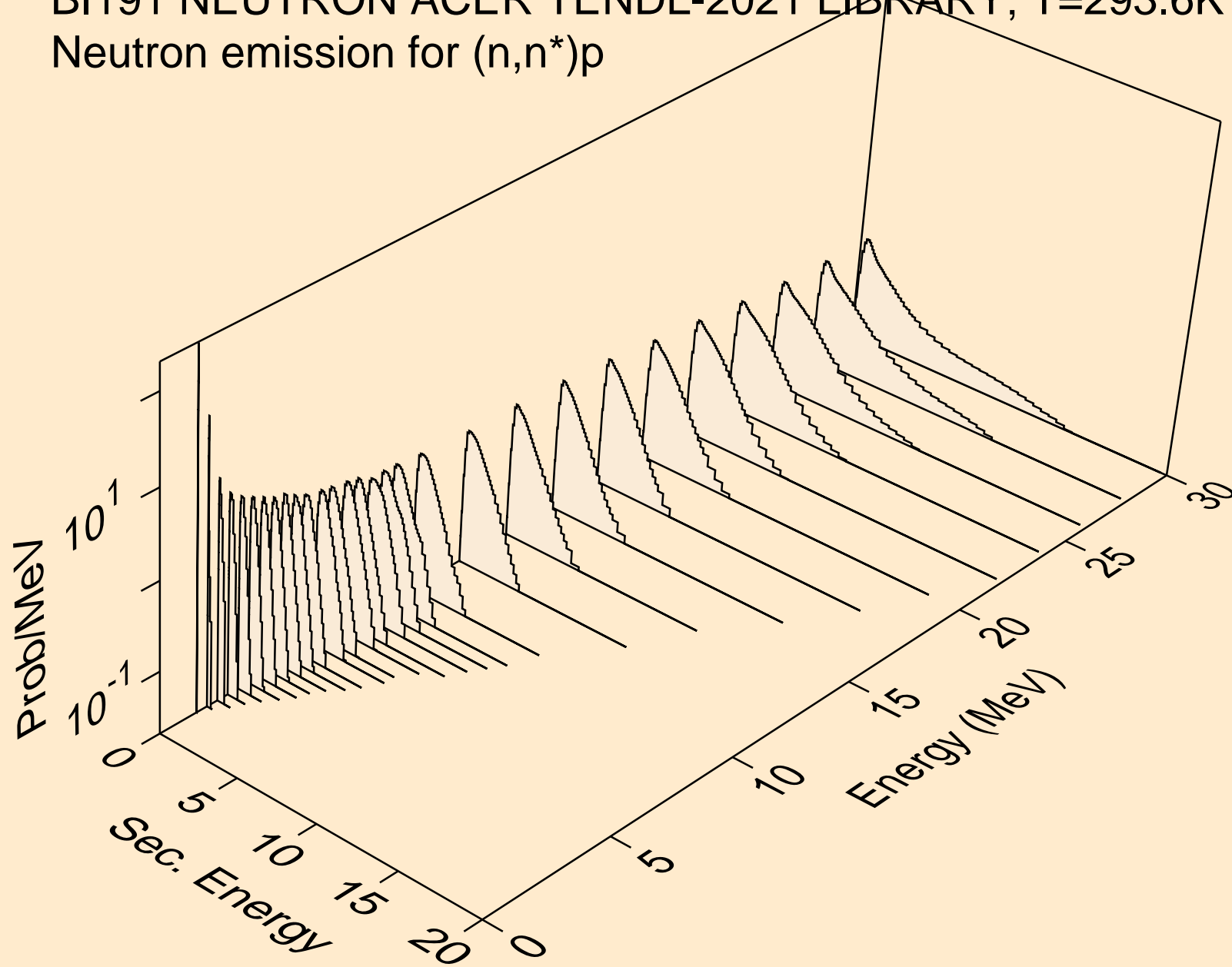
BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)a



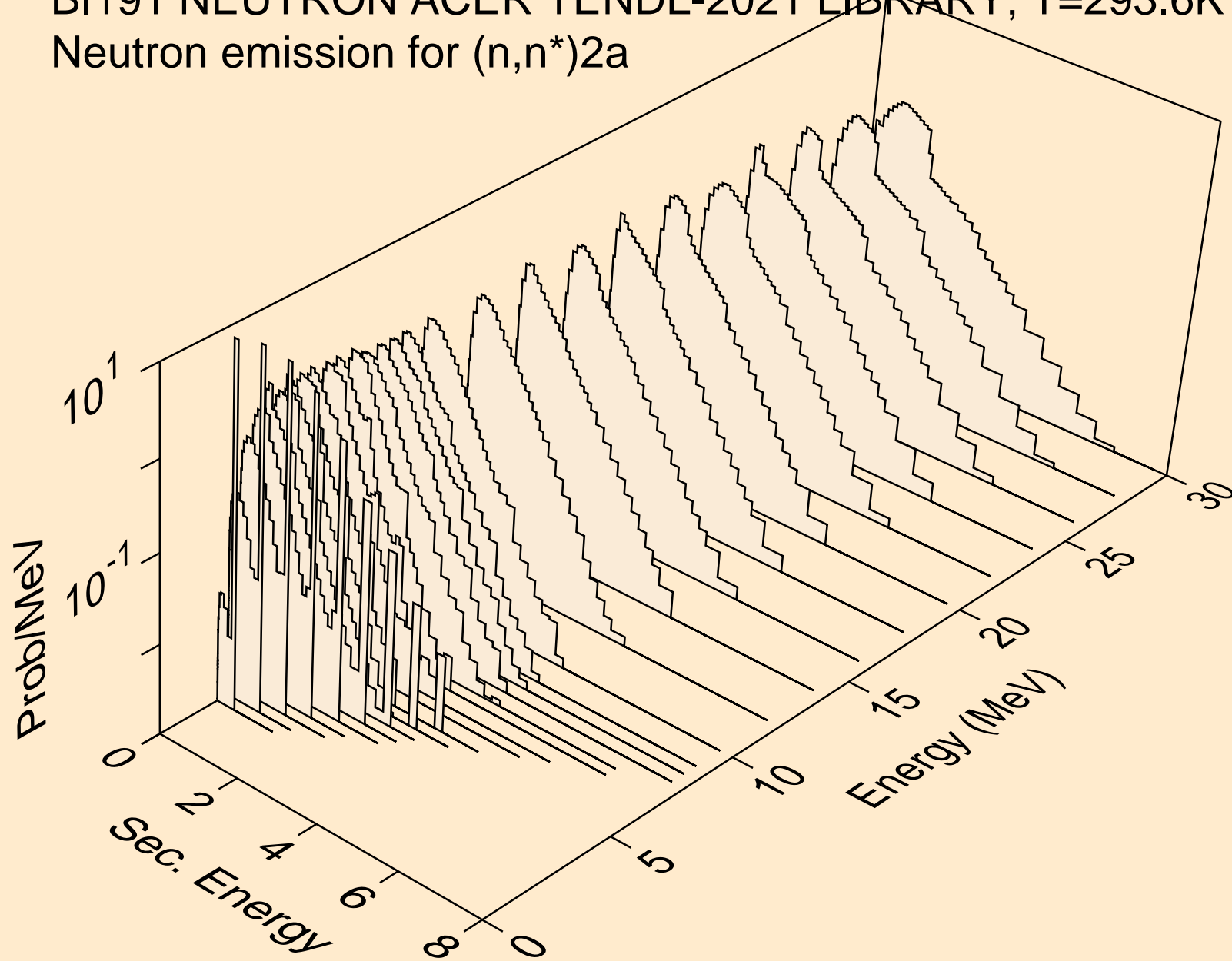
BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3n)a



BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)p

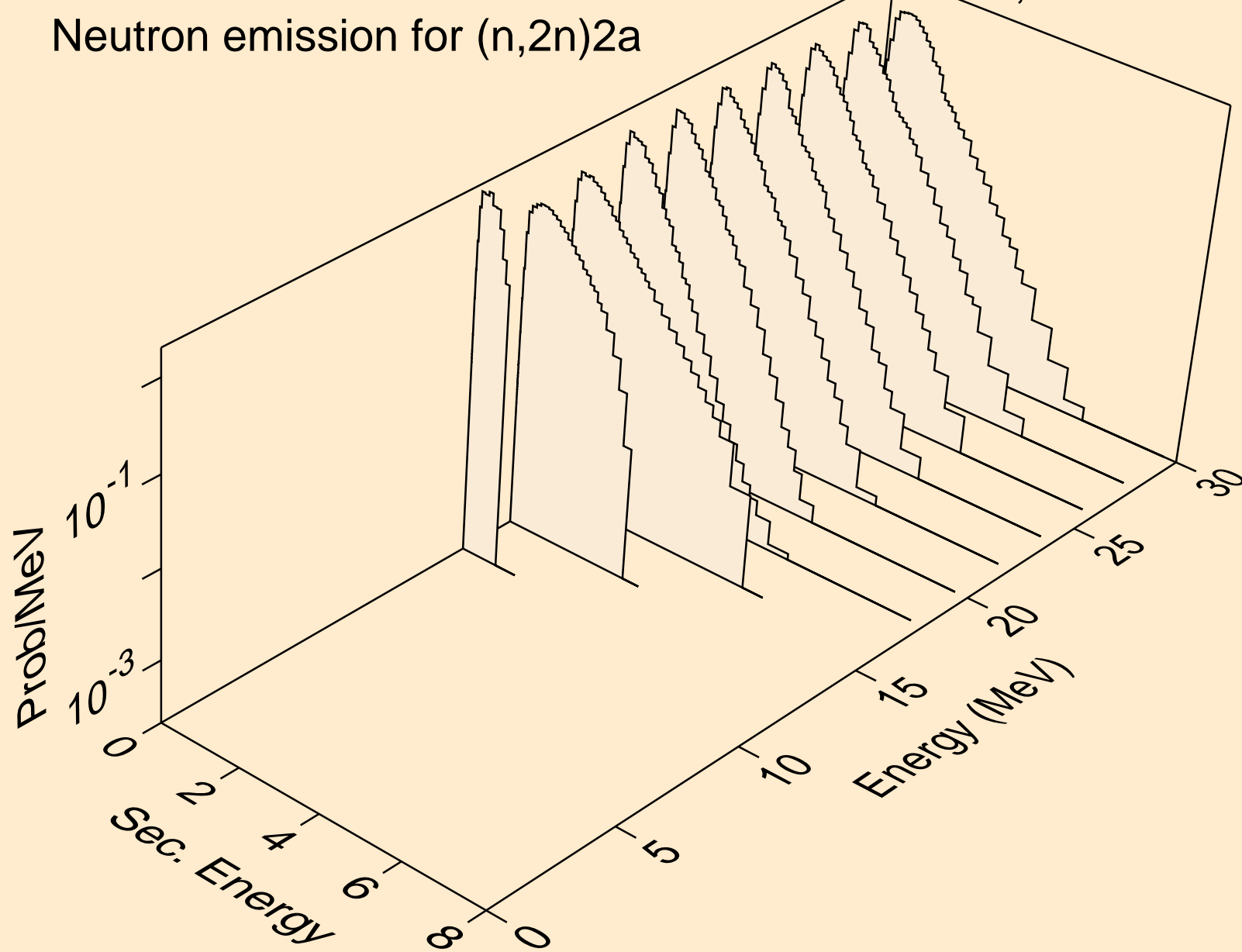


BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)2a

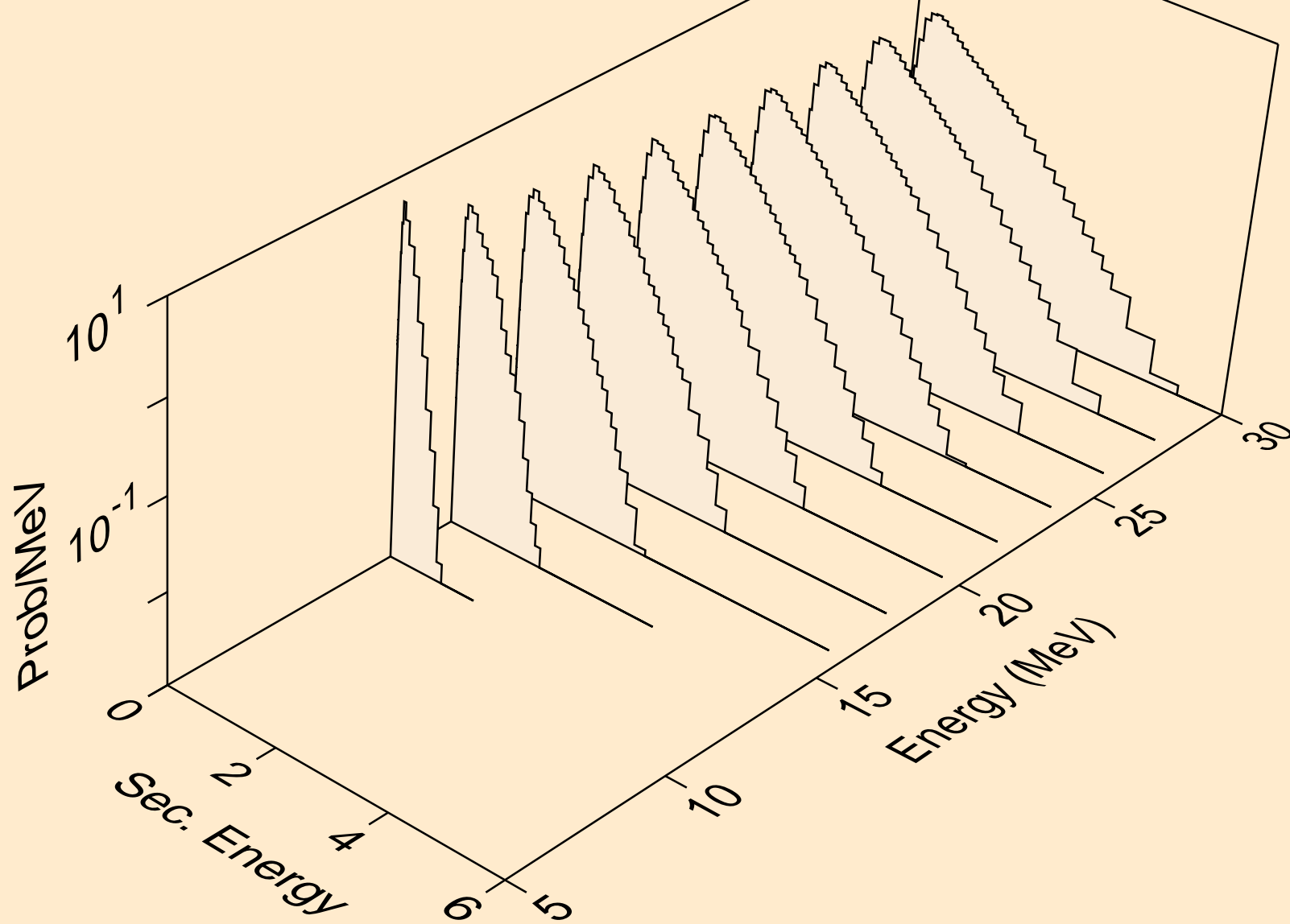




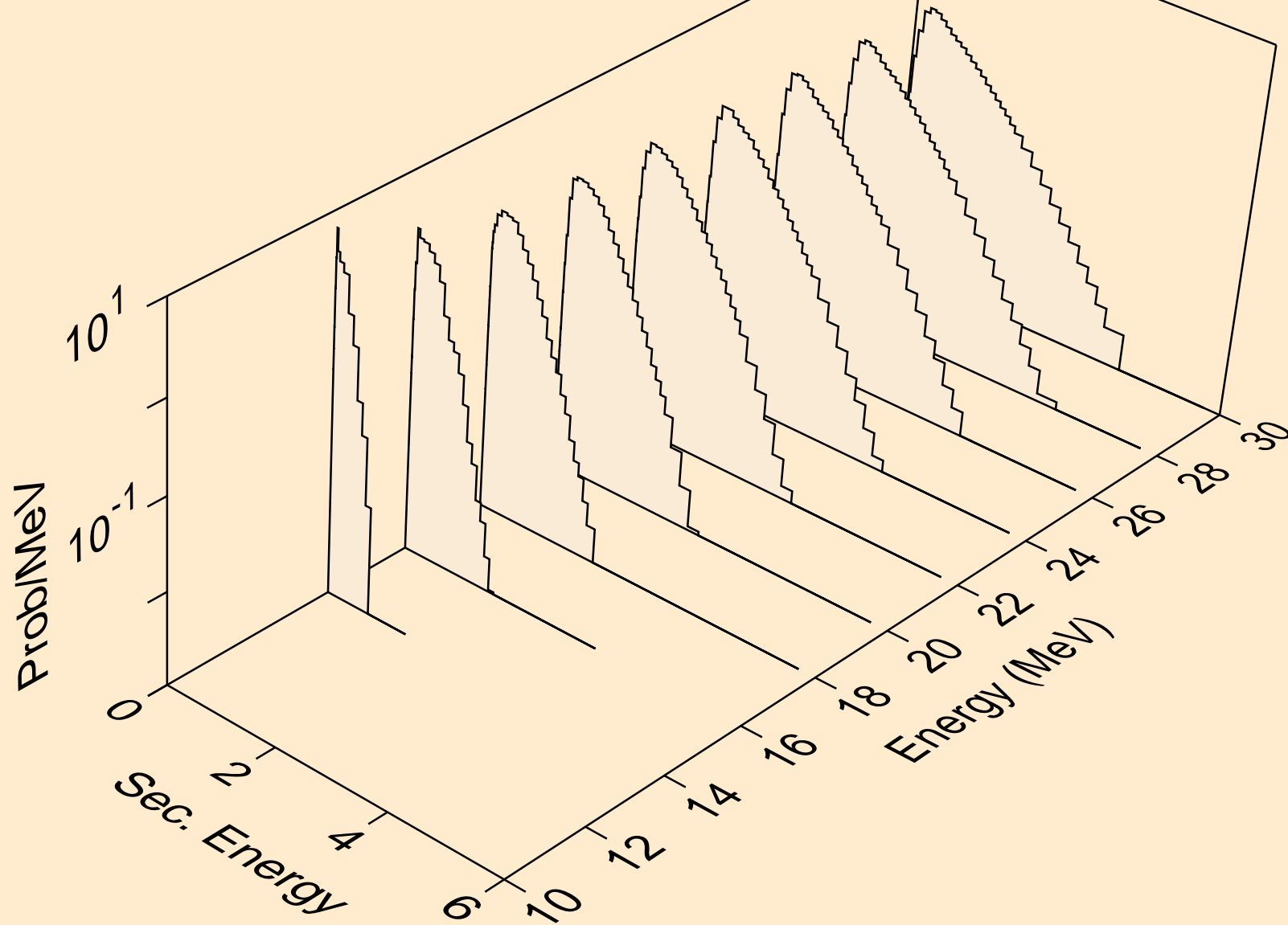
BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)2a



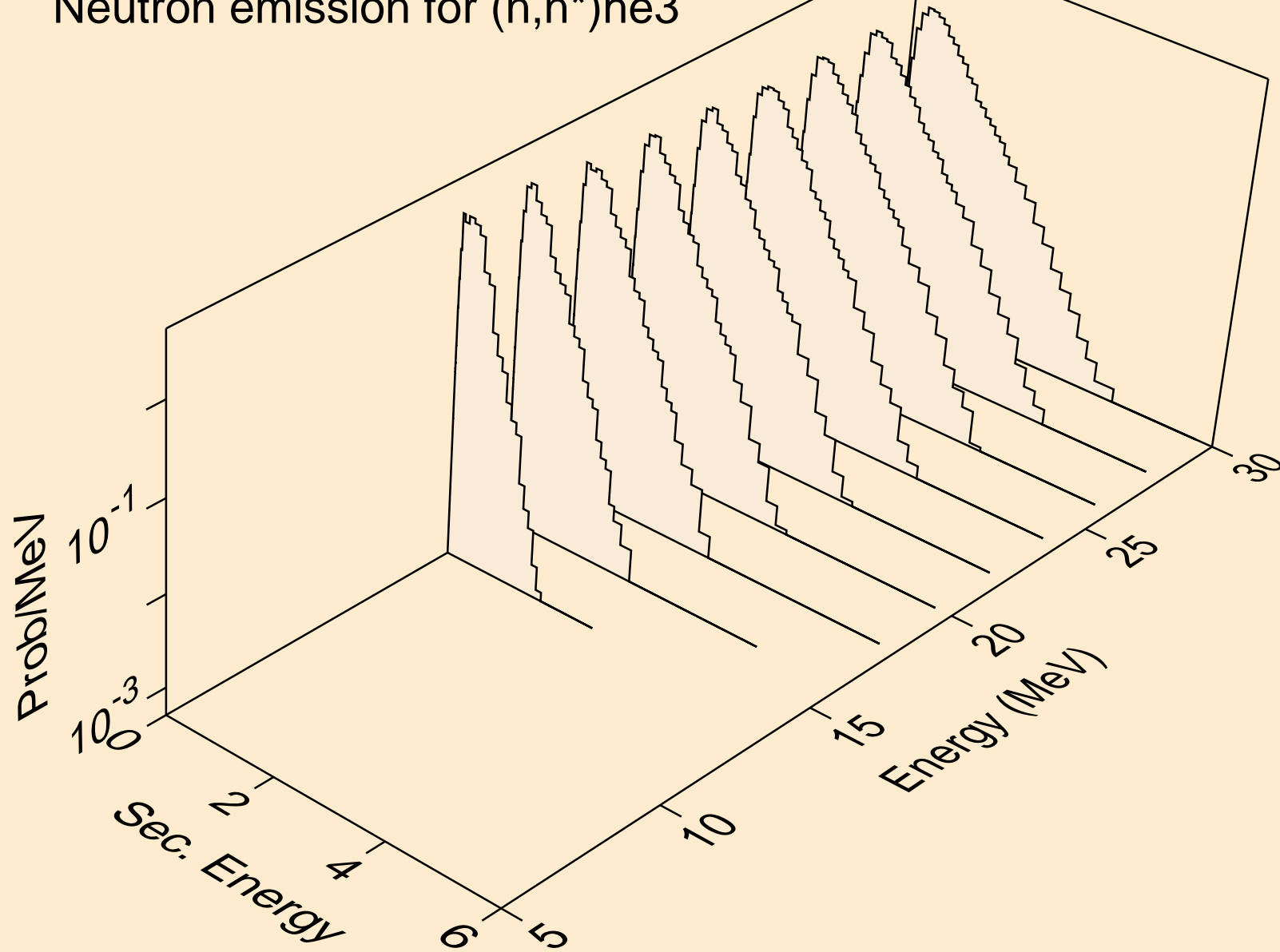
BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)d



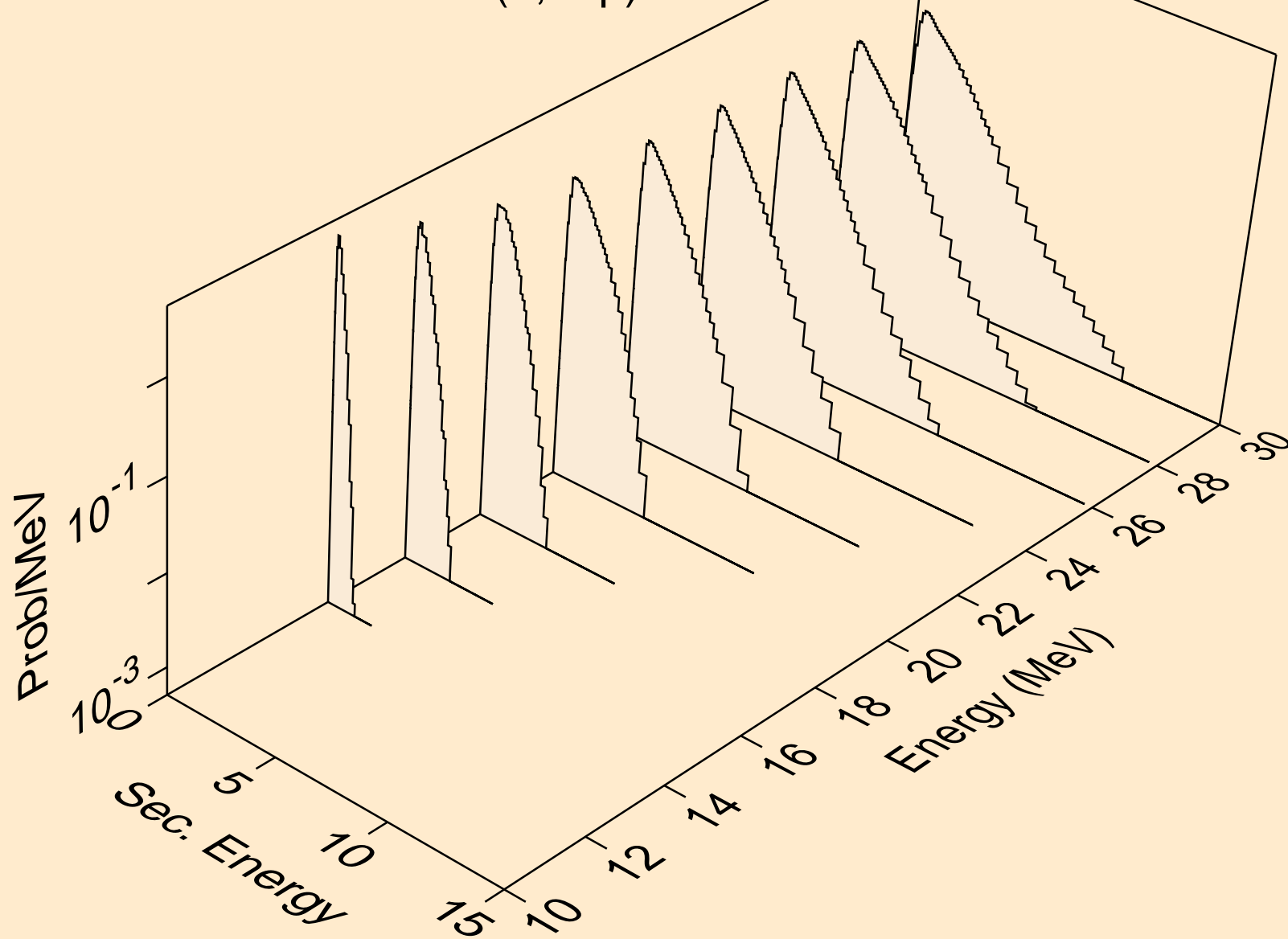
BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)t



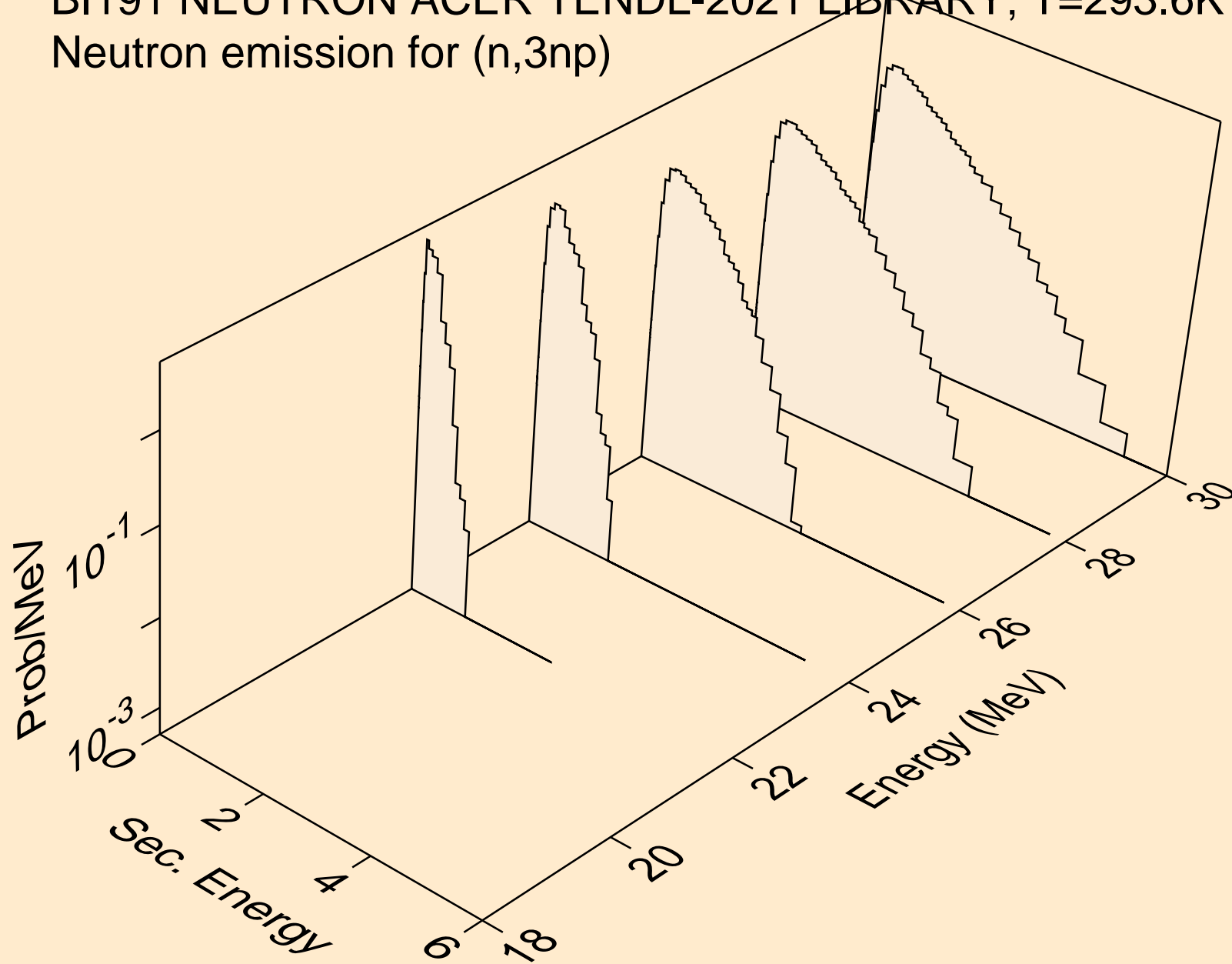
BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)he3



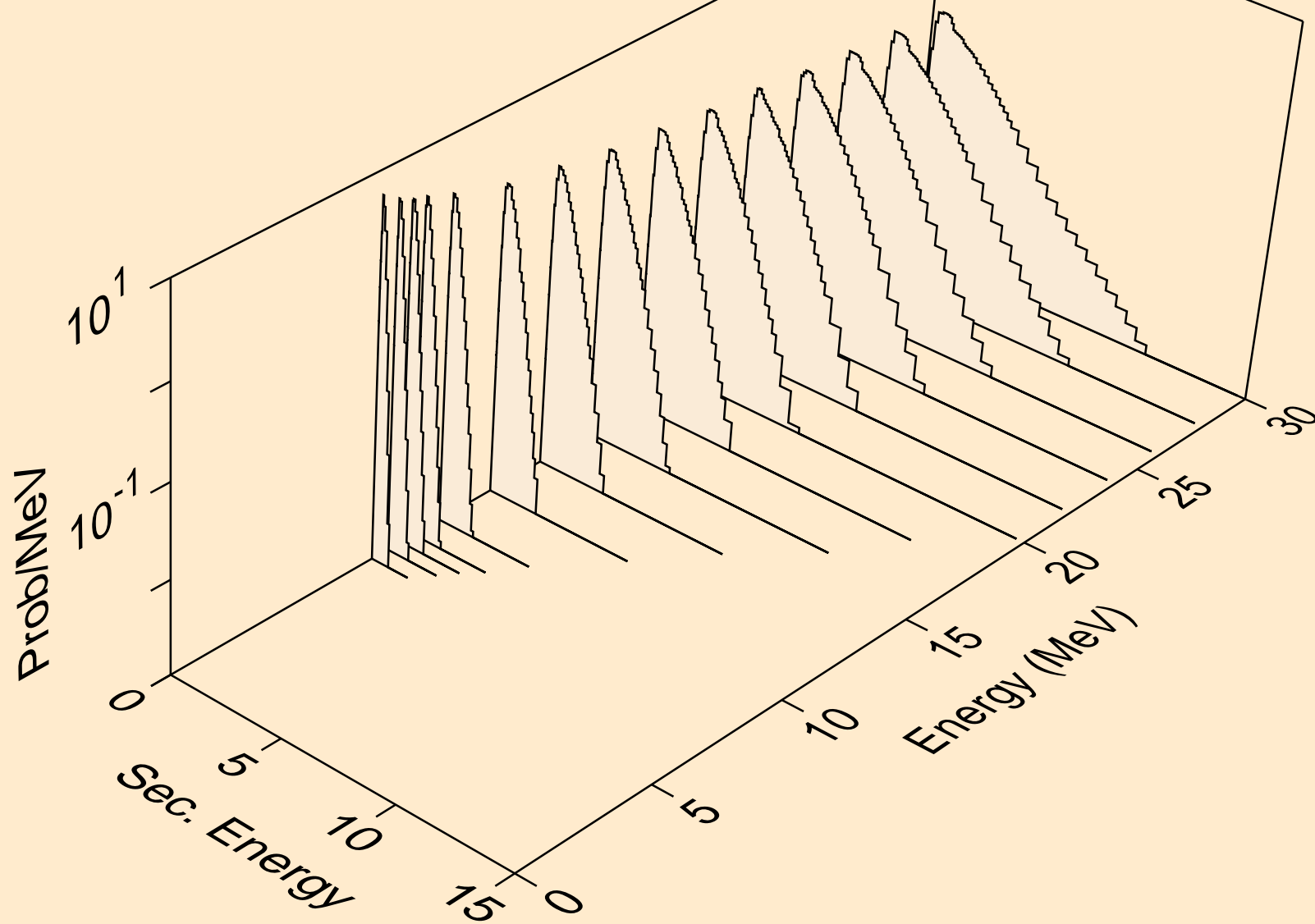
BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2np)



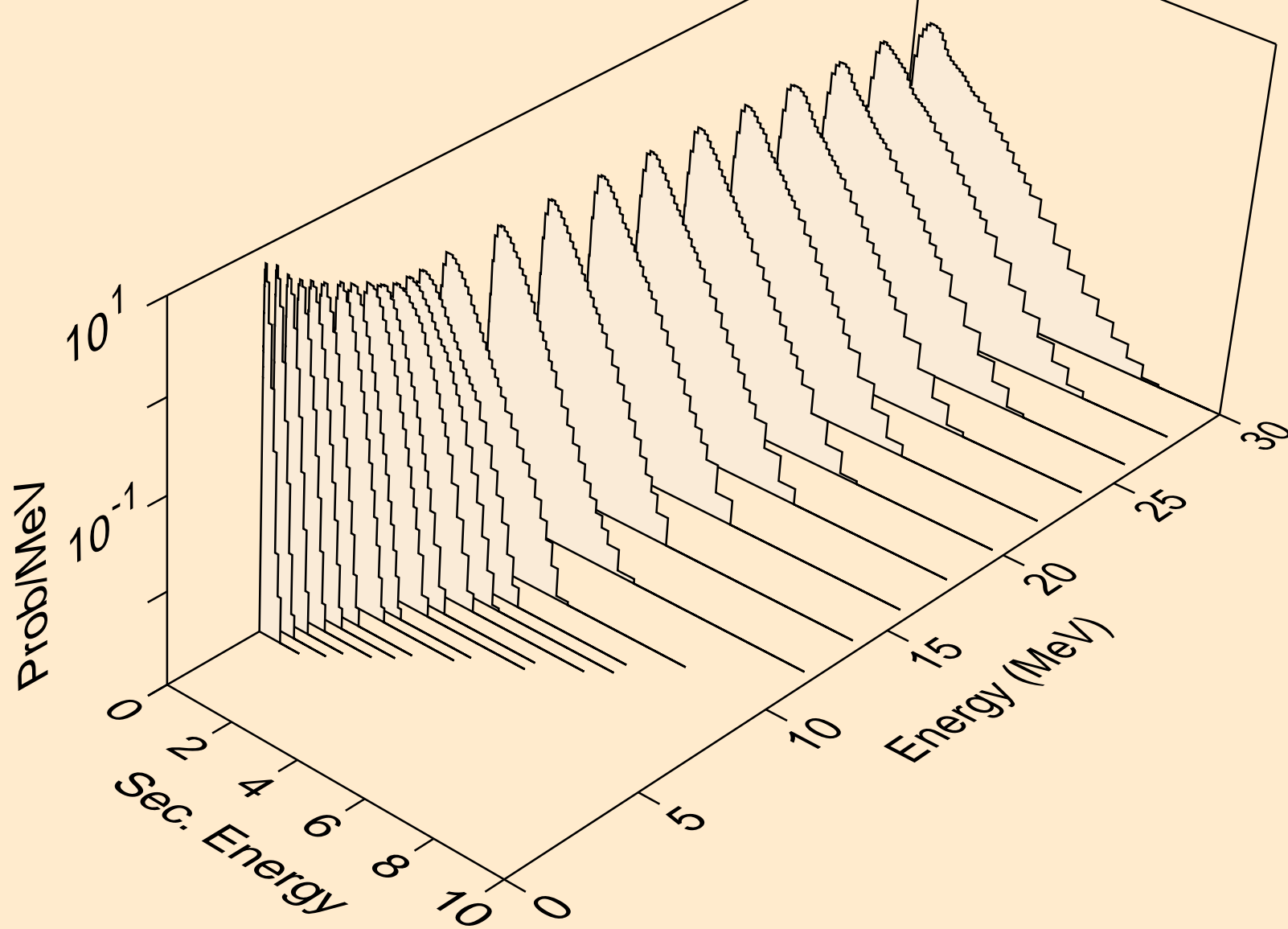
BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3np)



BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2np)

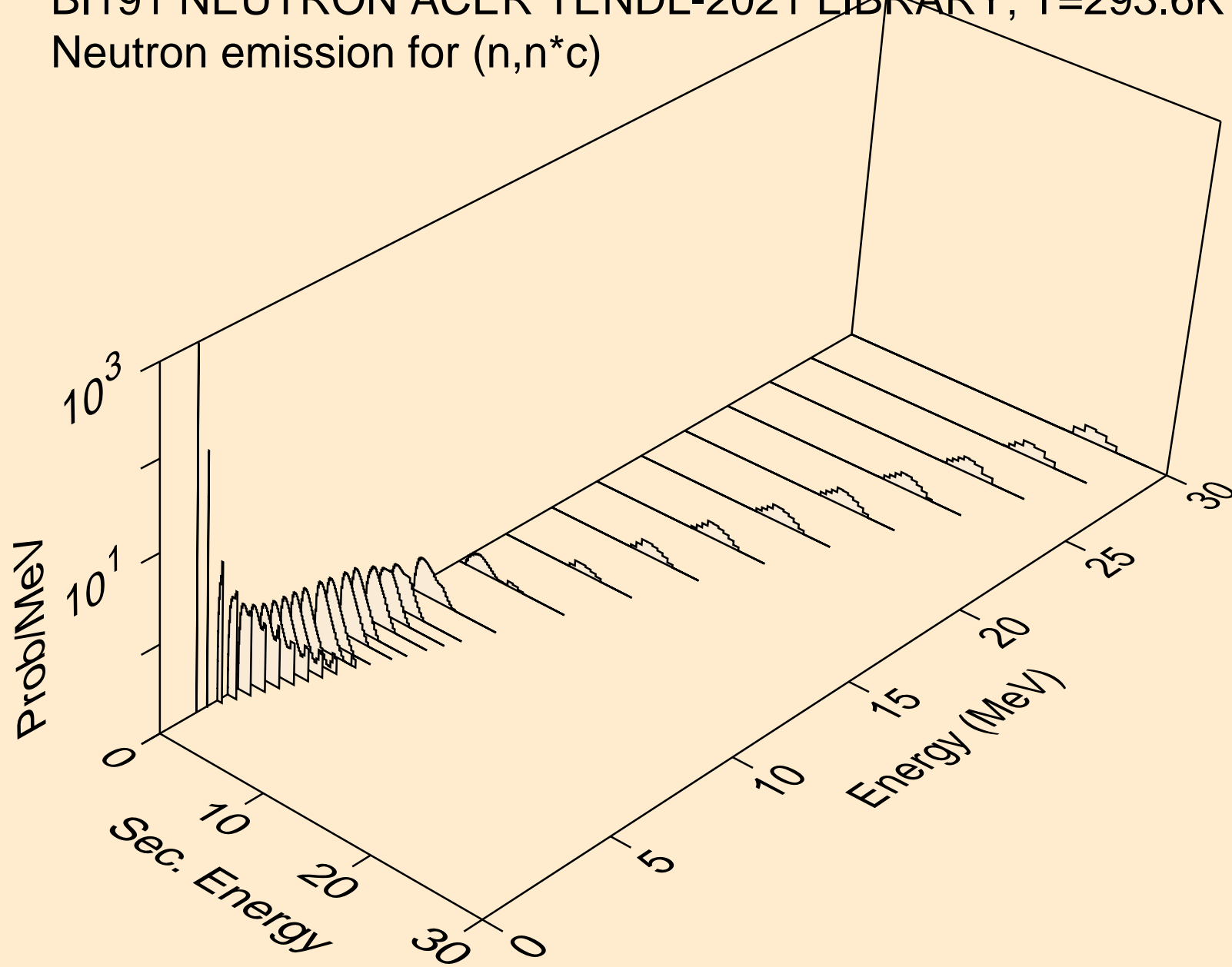


BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,npa)

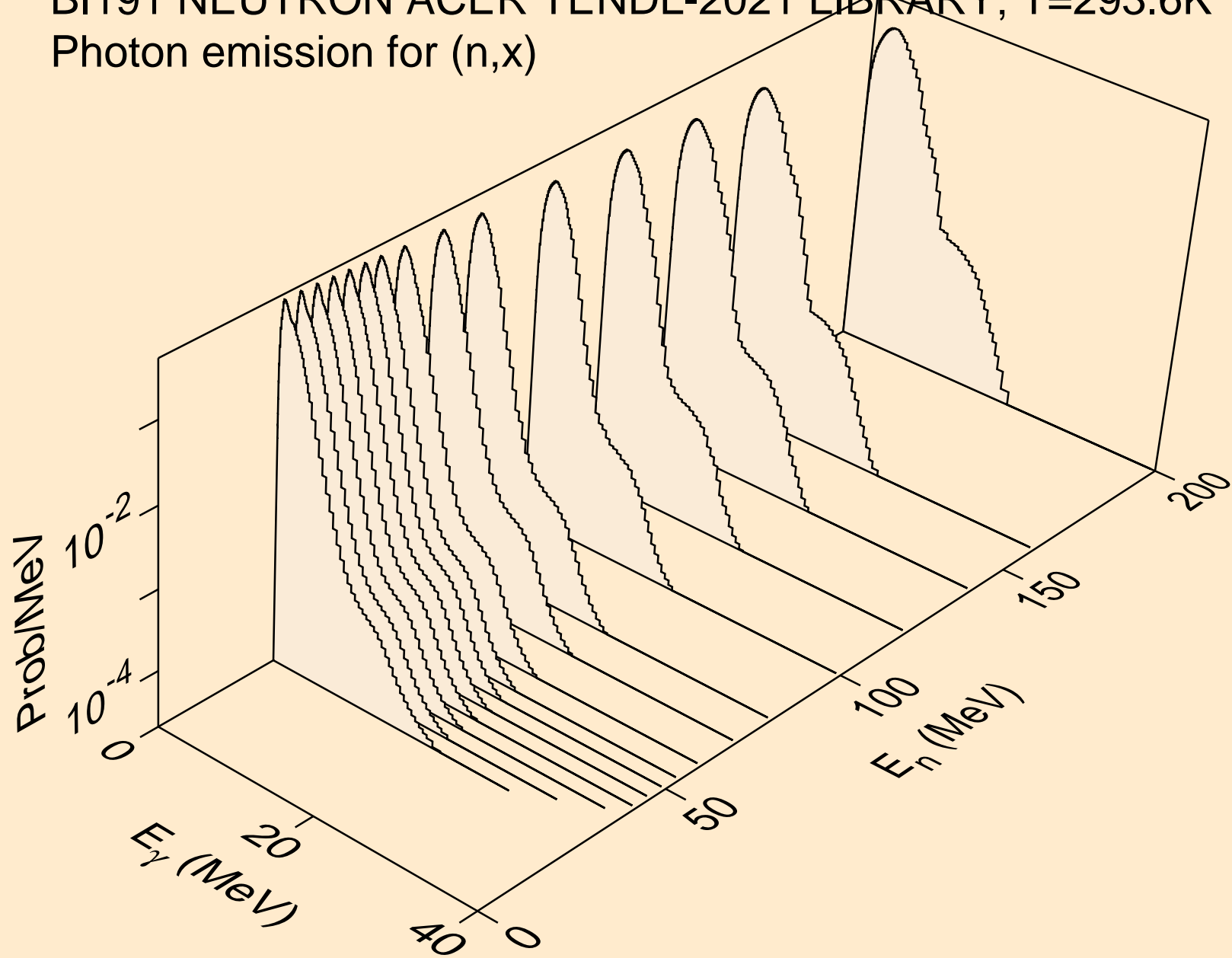




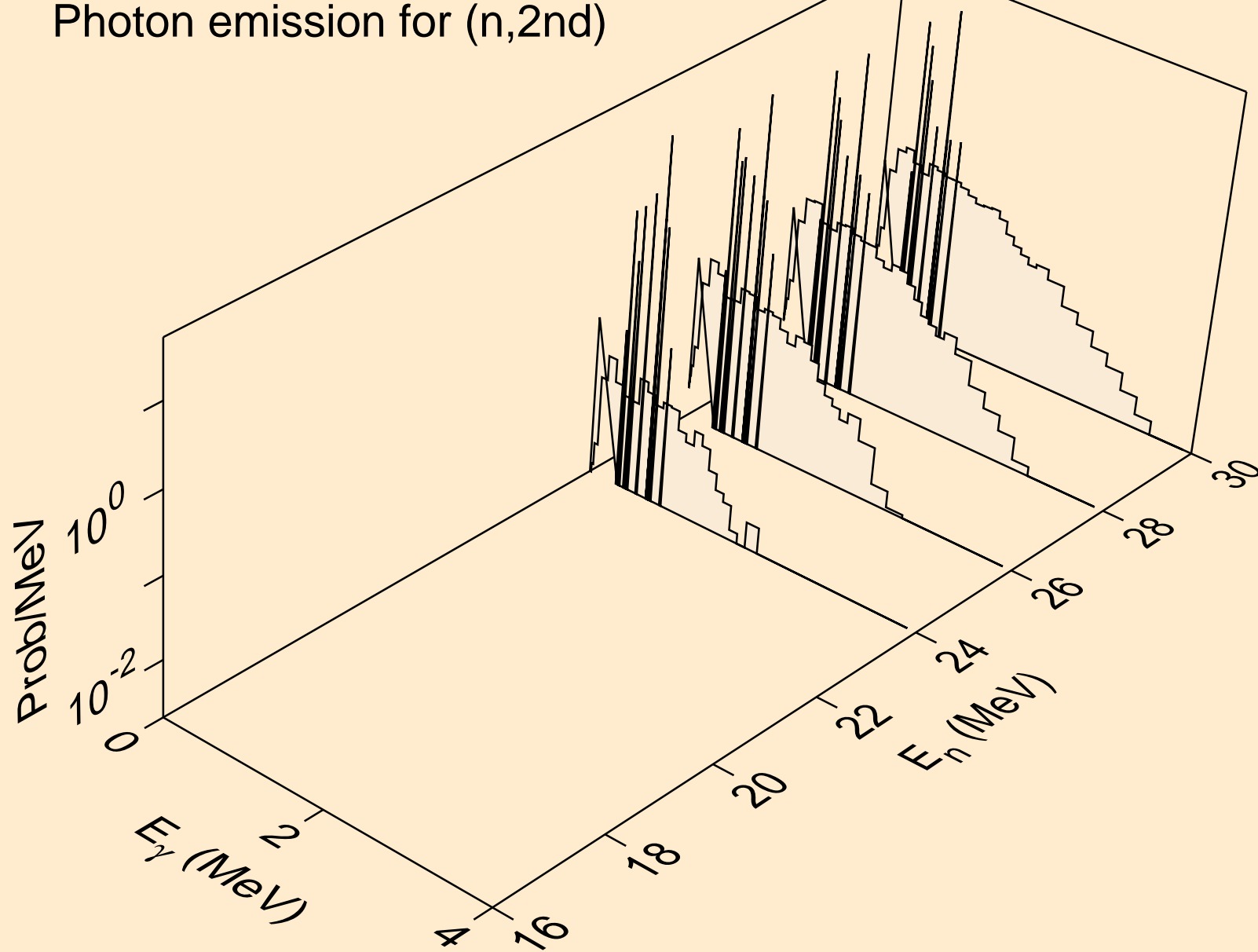
BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*c)



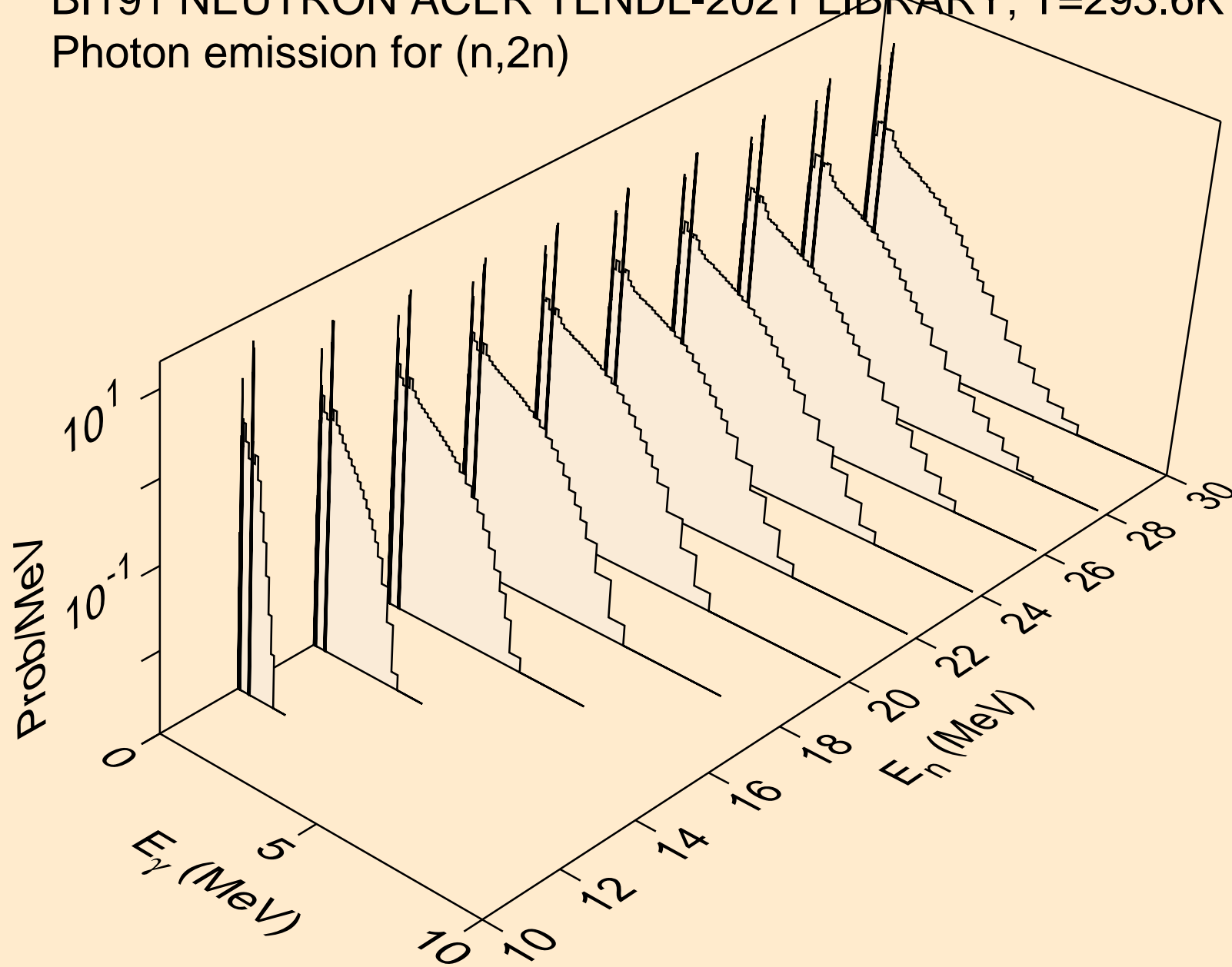
BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,x)



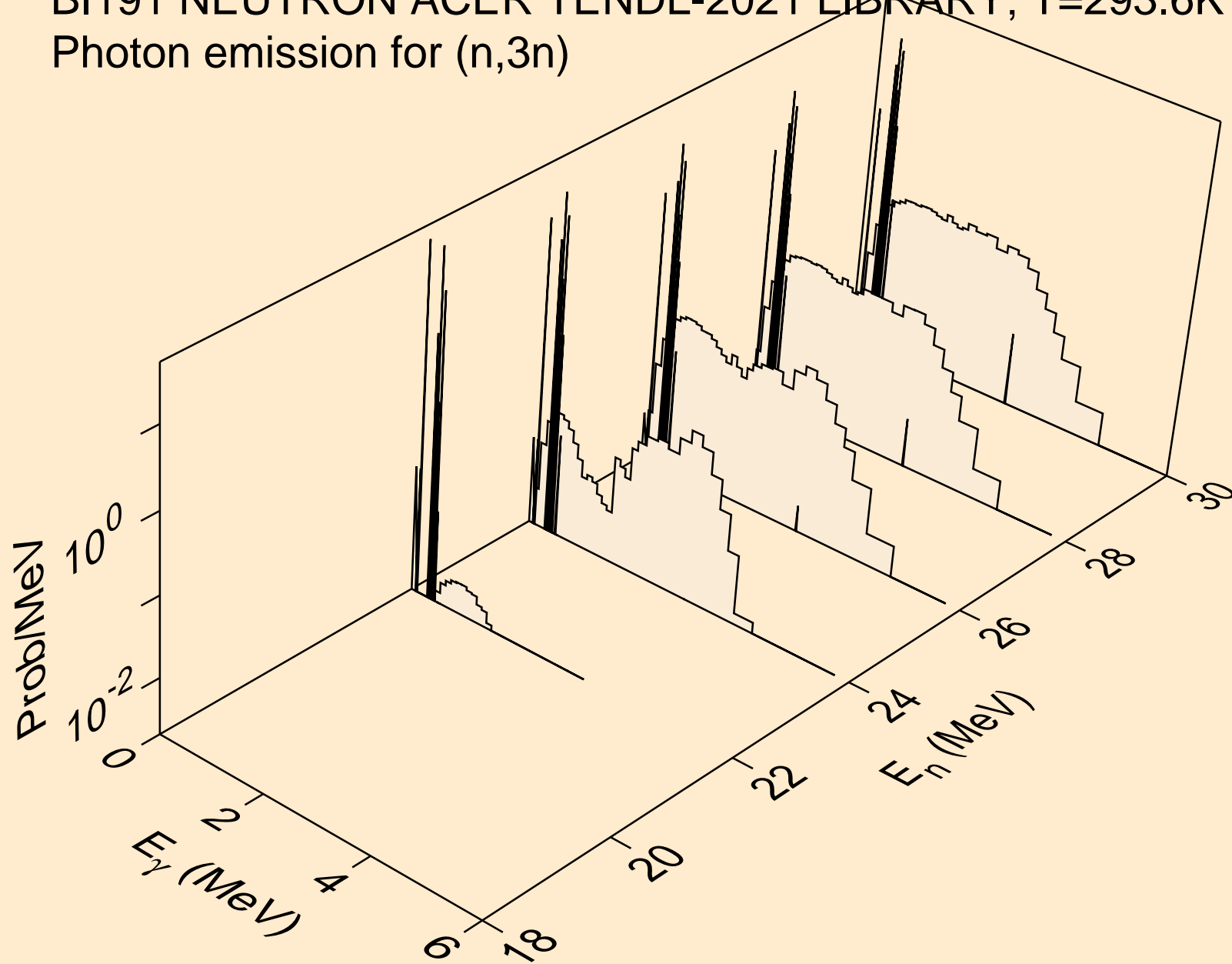
BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2nd)



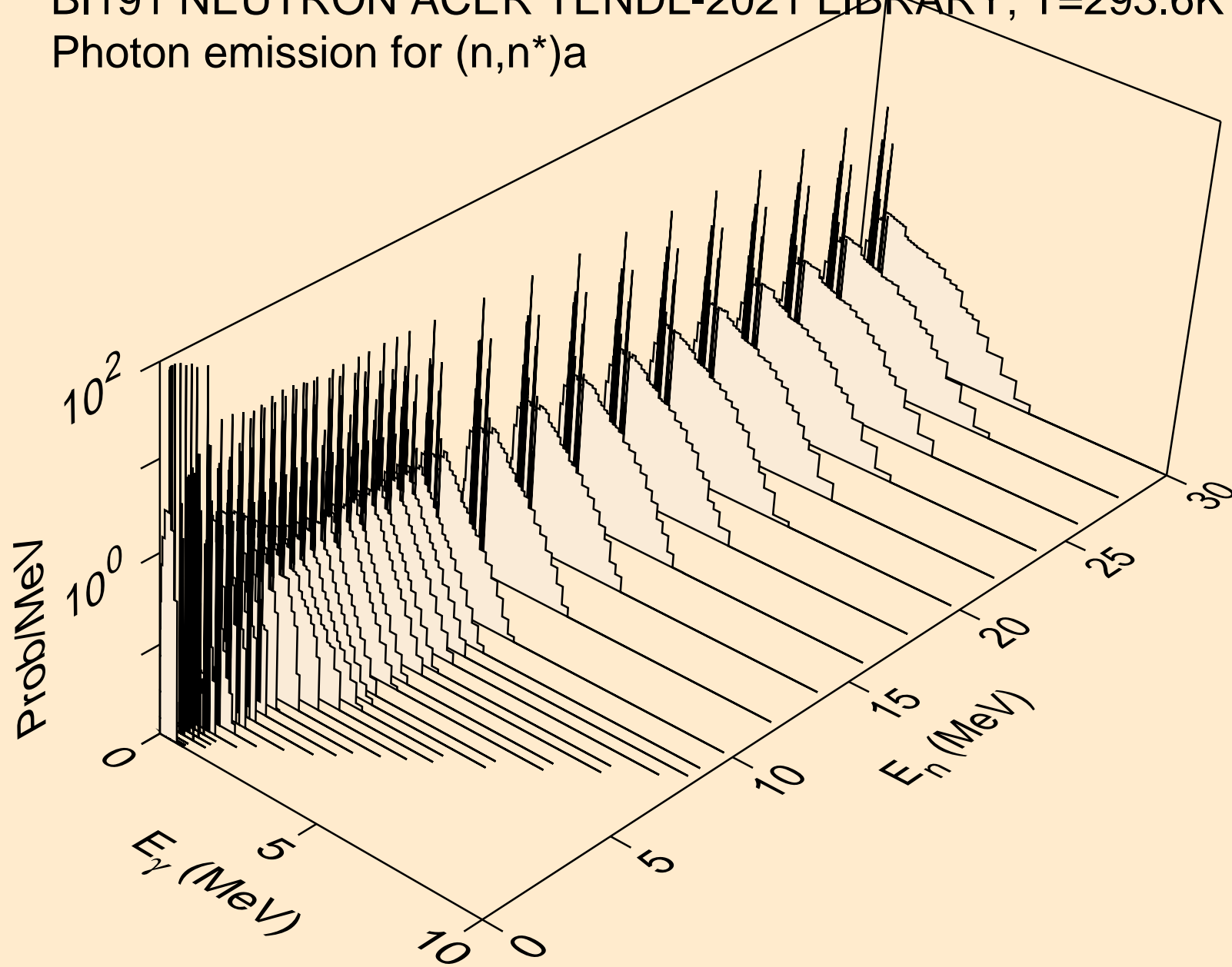
BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2n)



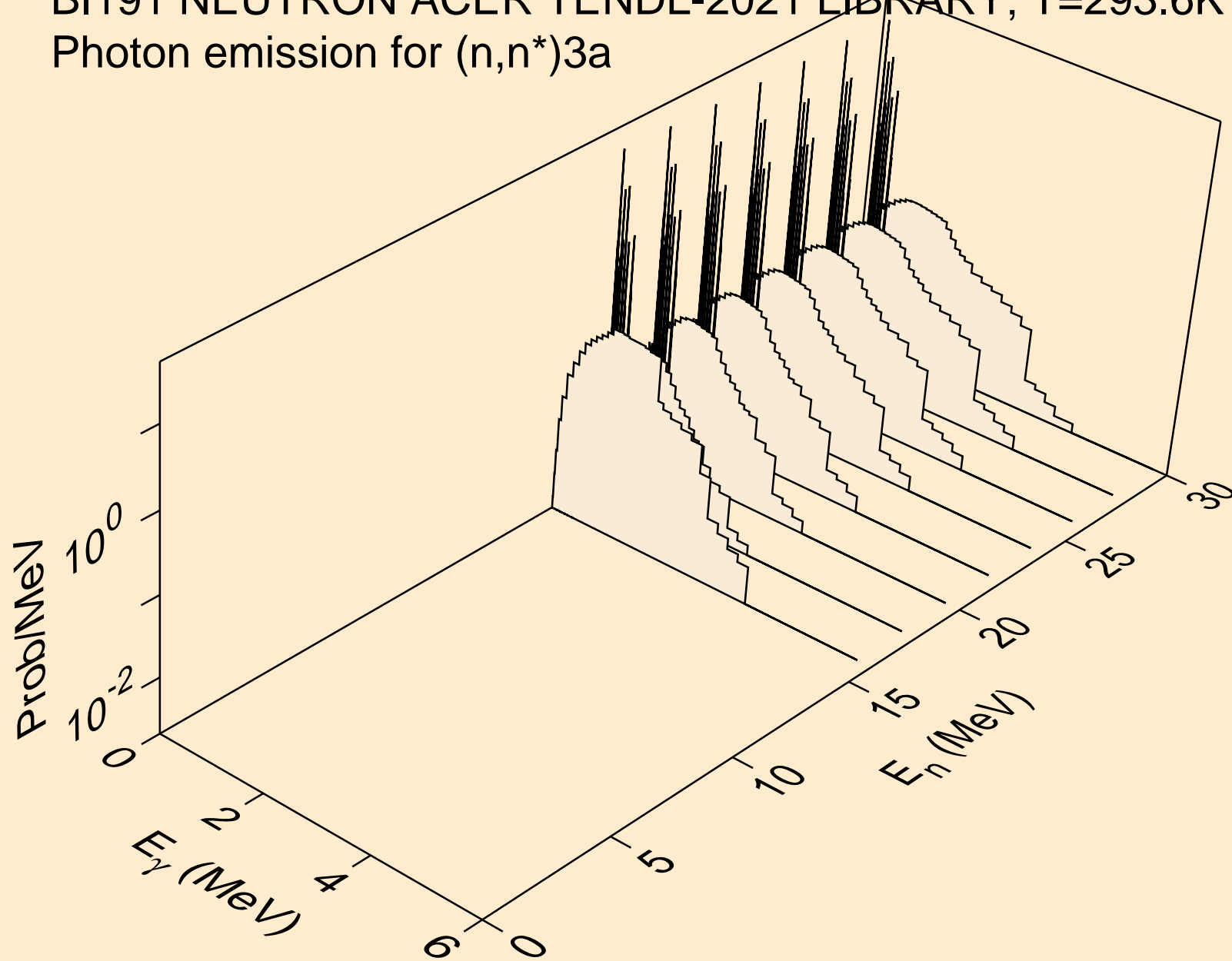
BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3n)



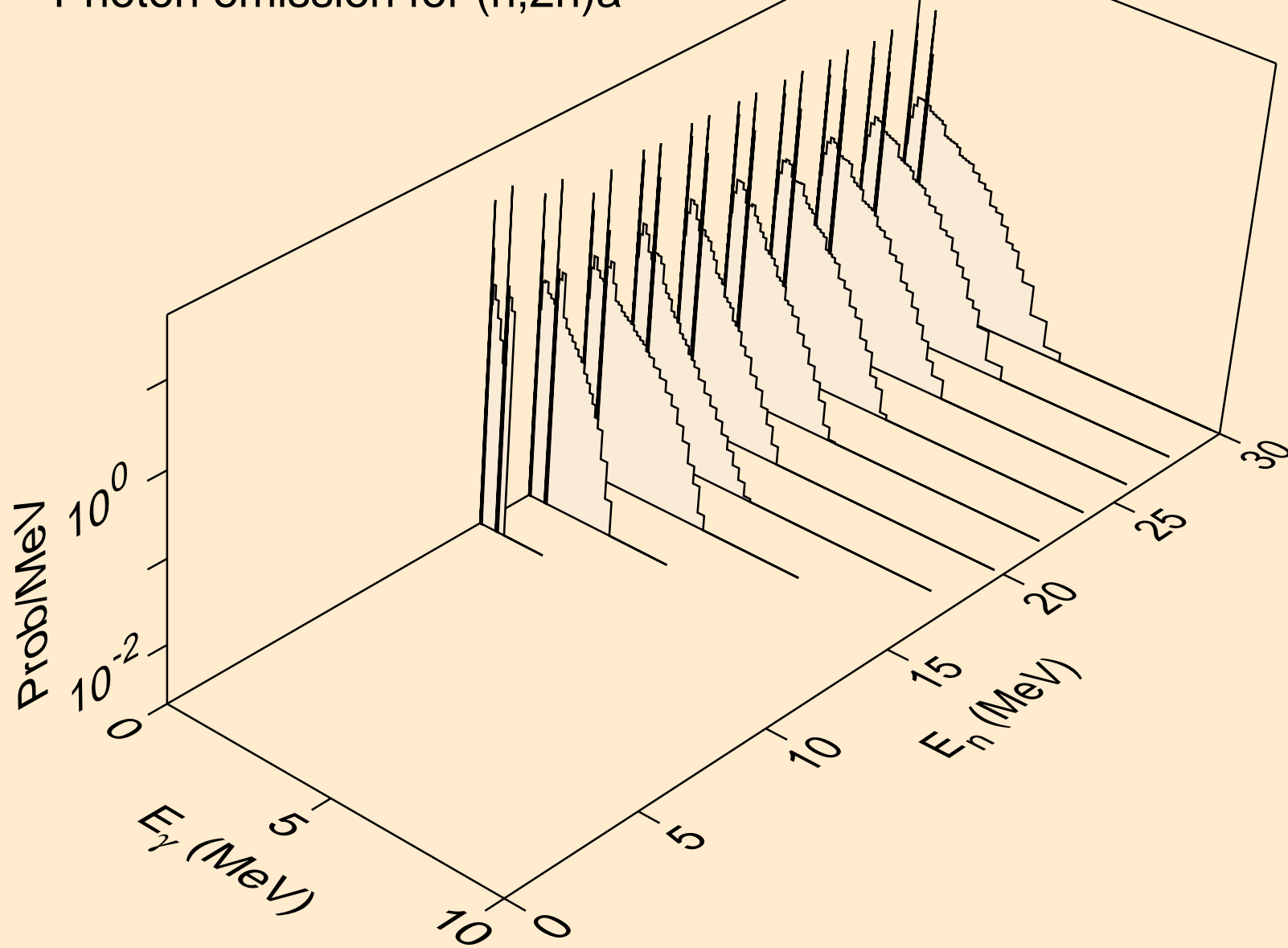
BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)a



BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)3a

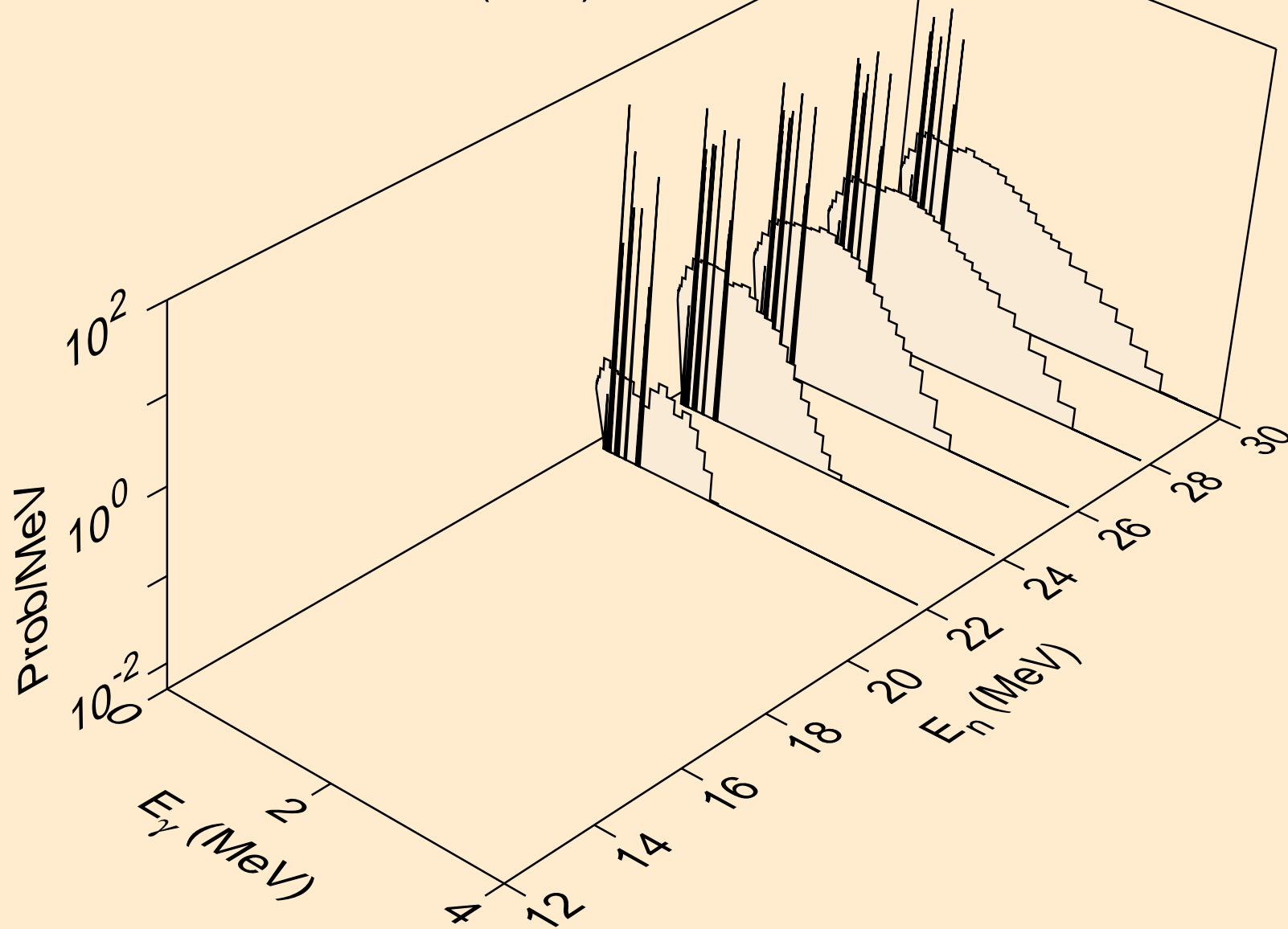


BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2n)a

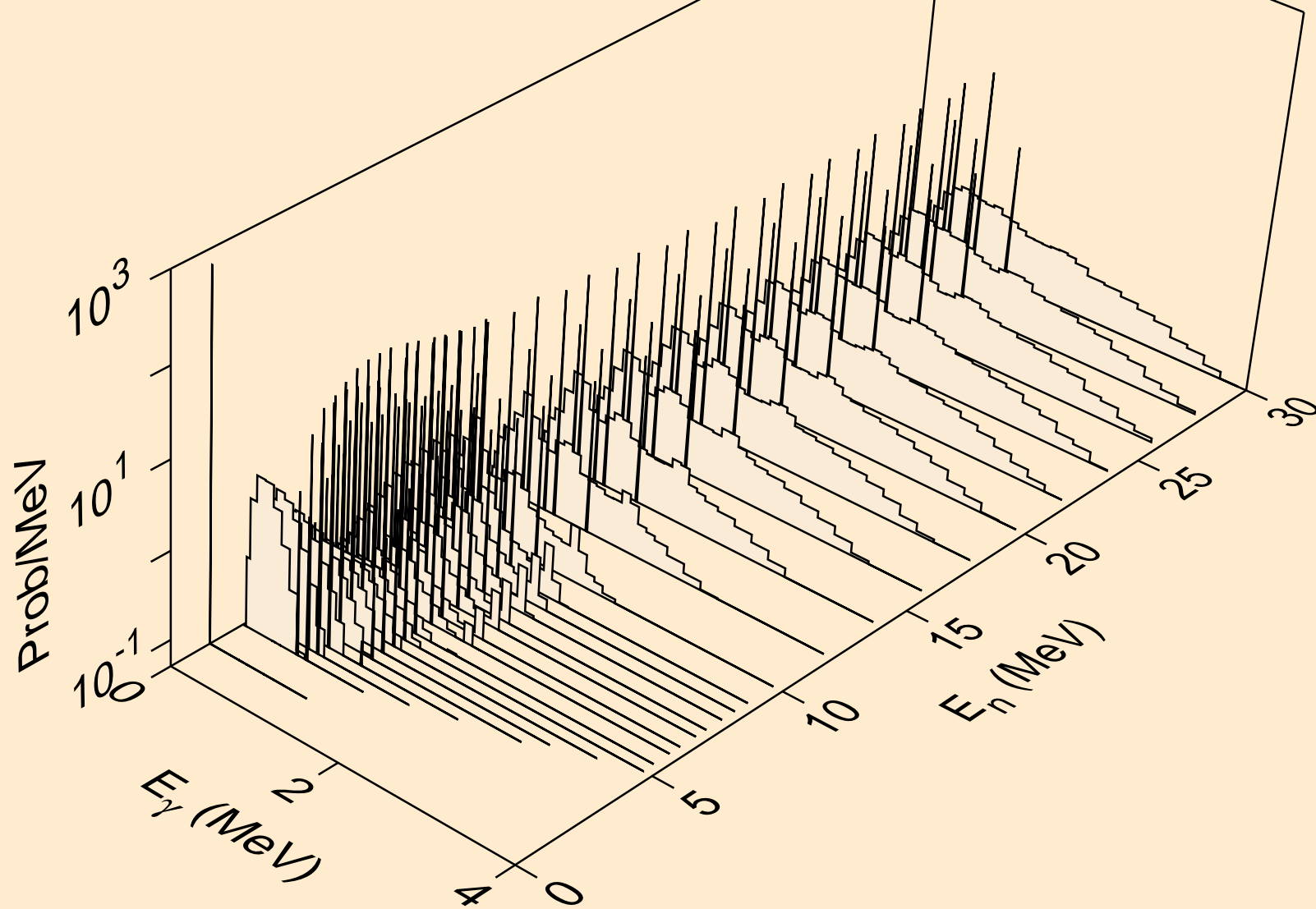




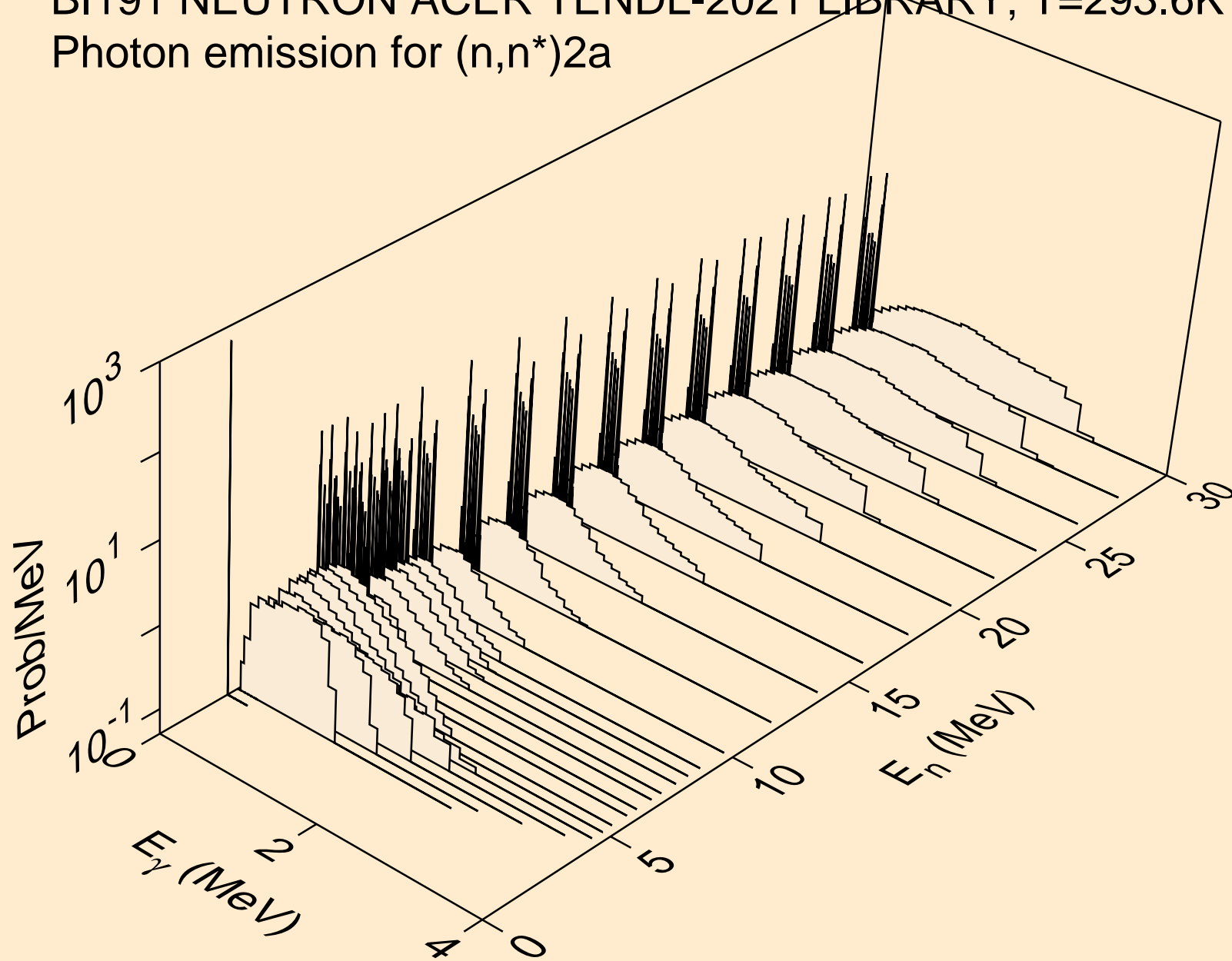
BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3n)a



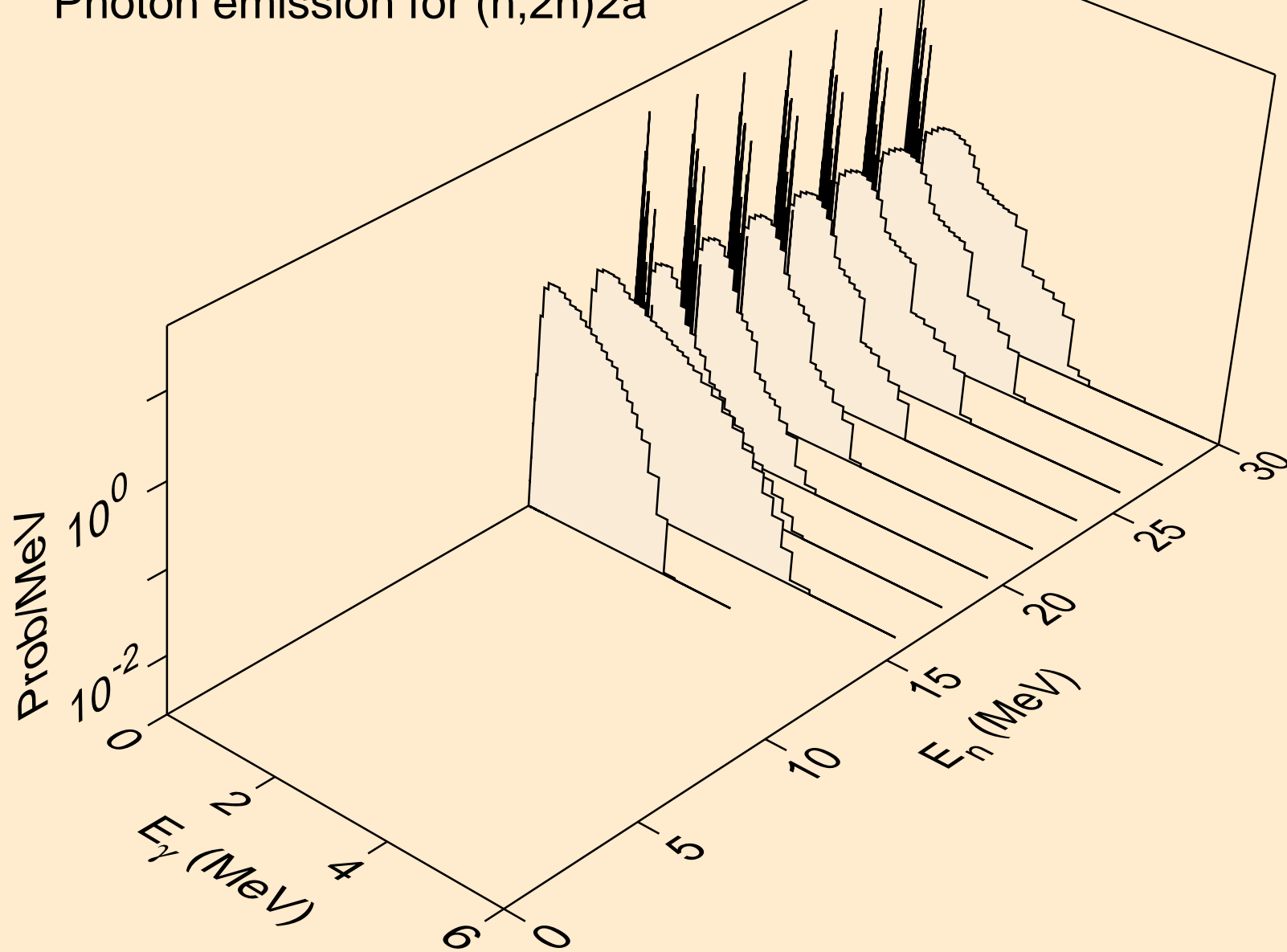
BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)p



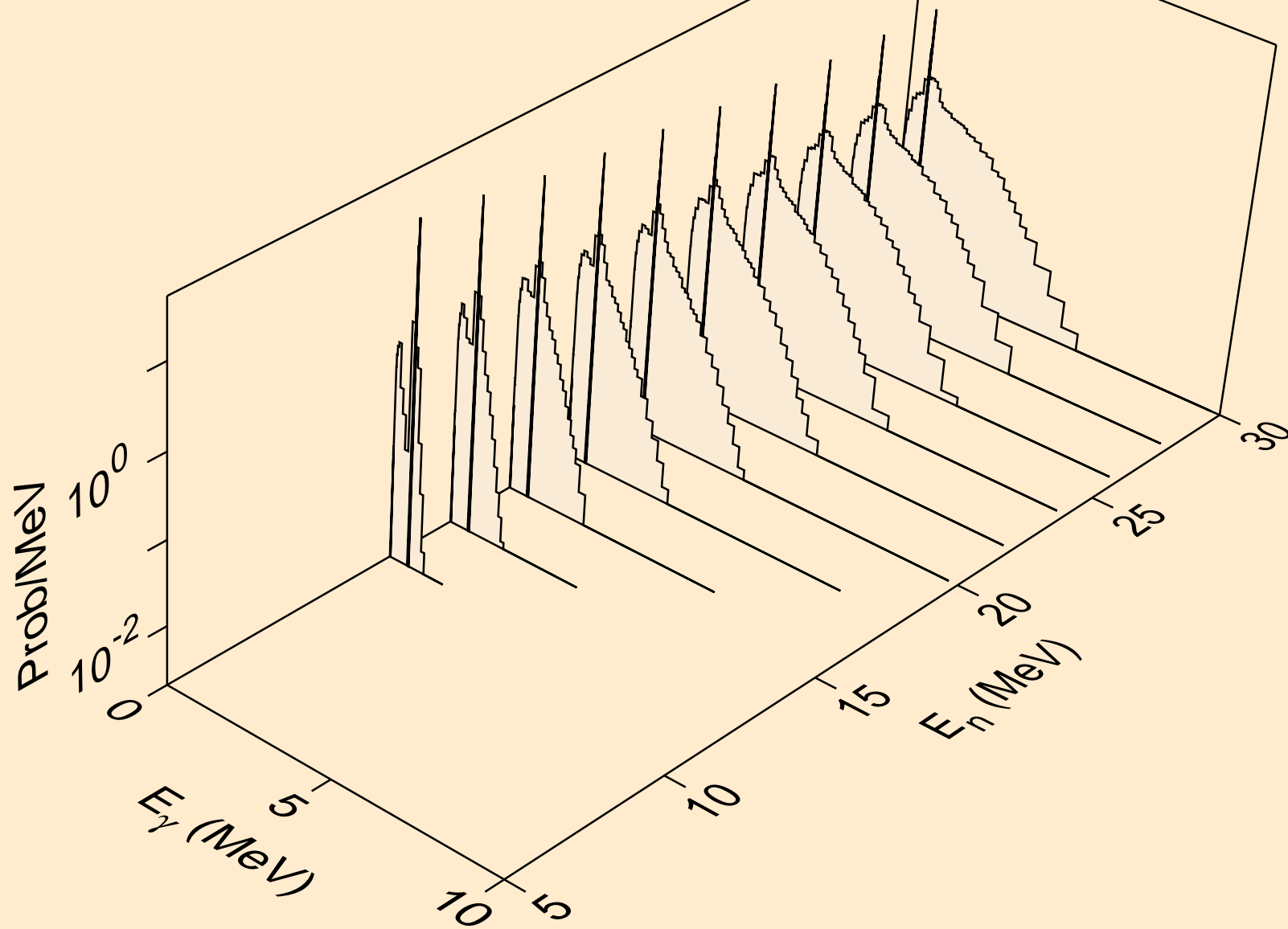
BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)2a



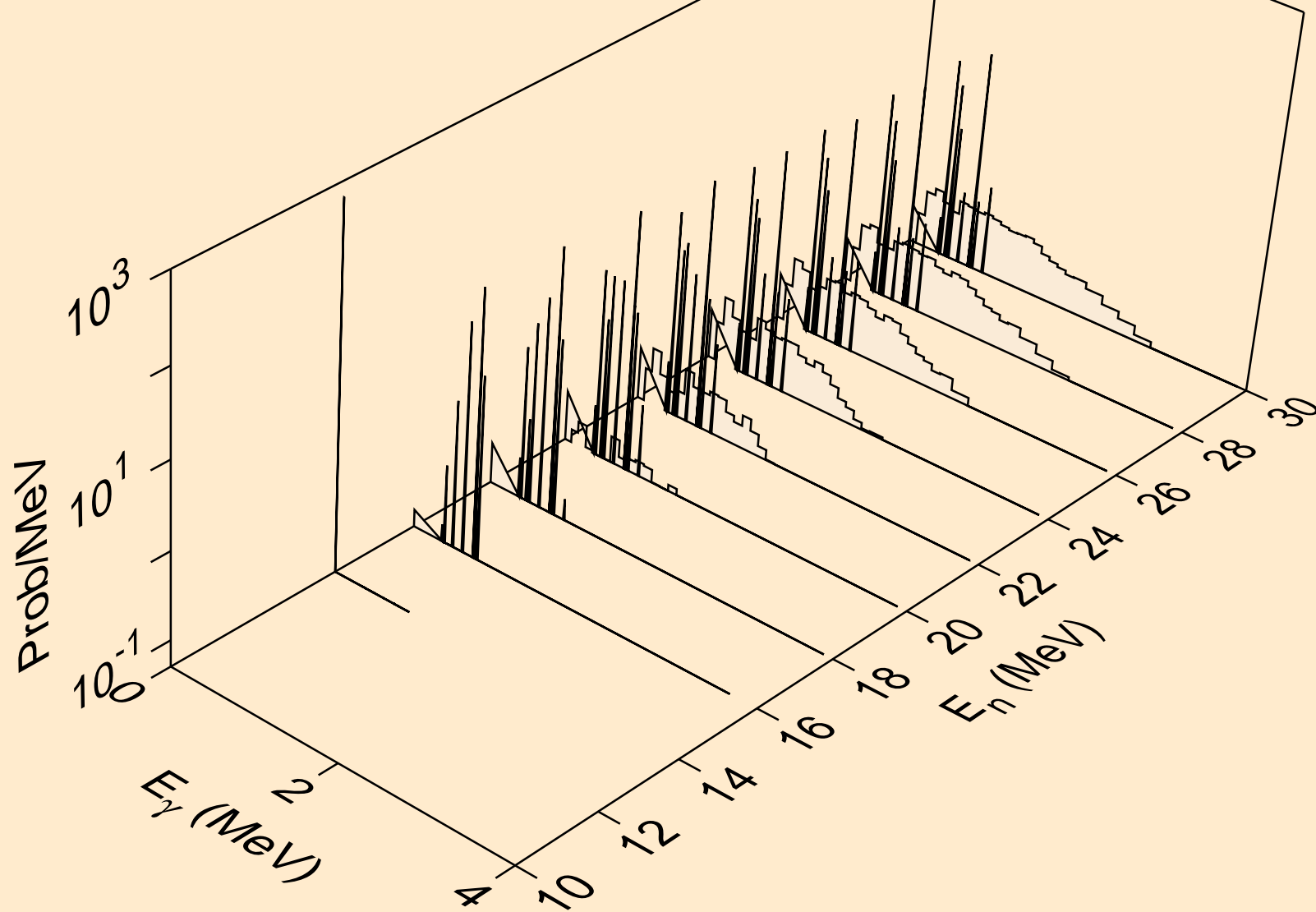
BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2n)2a



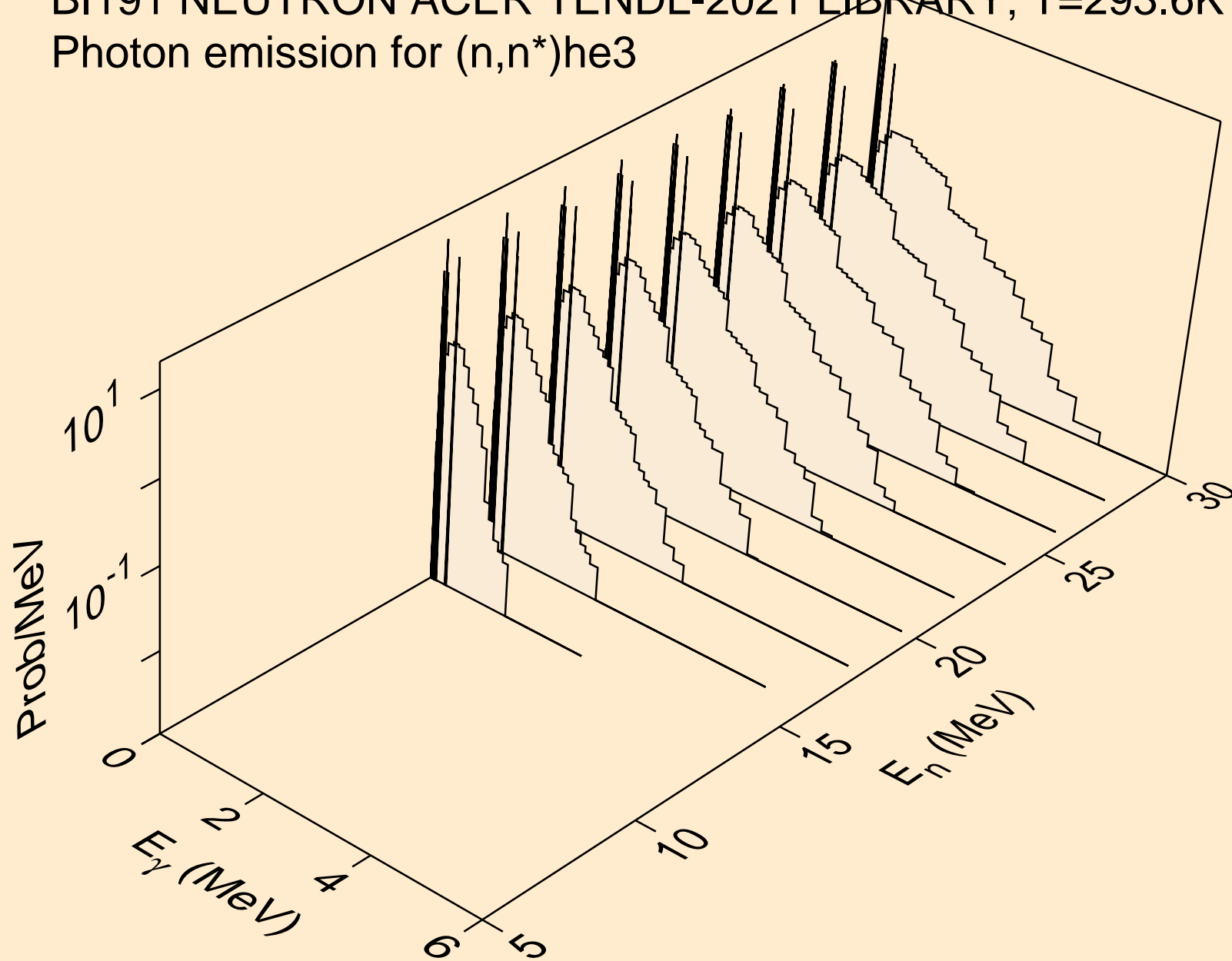
BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)d



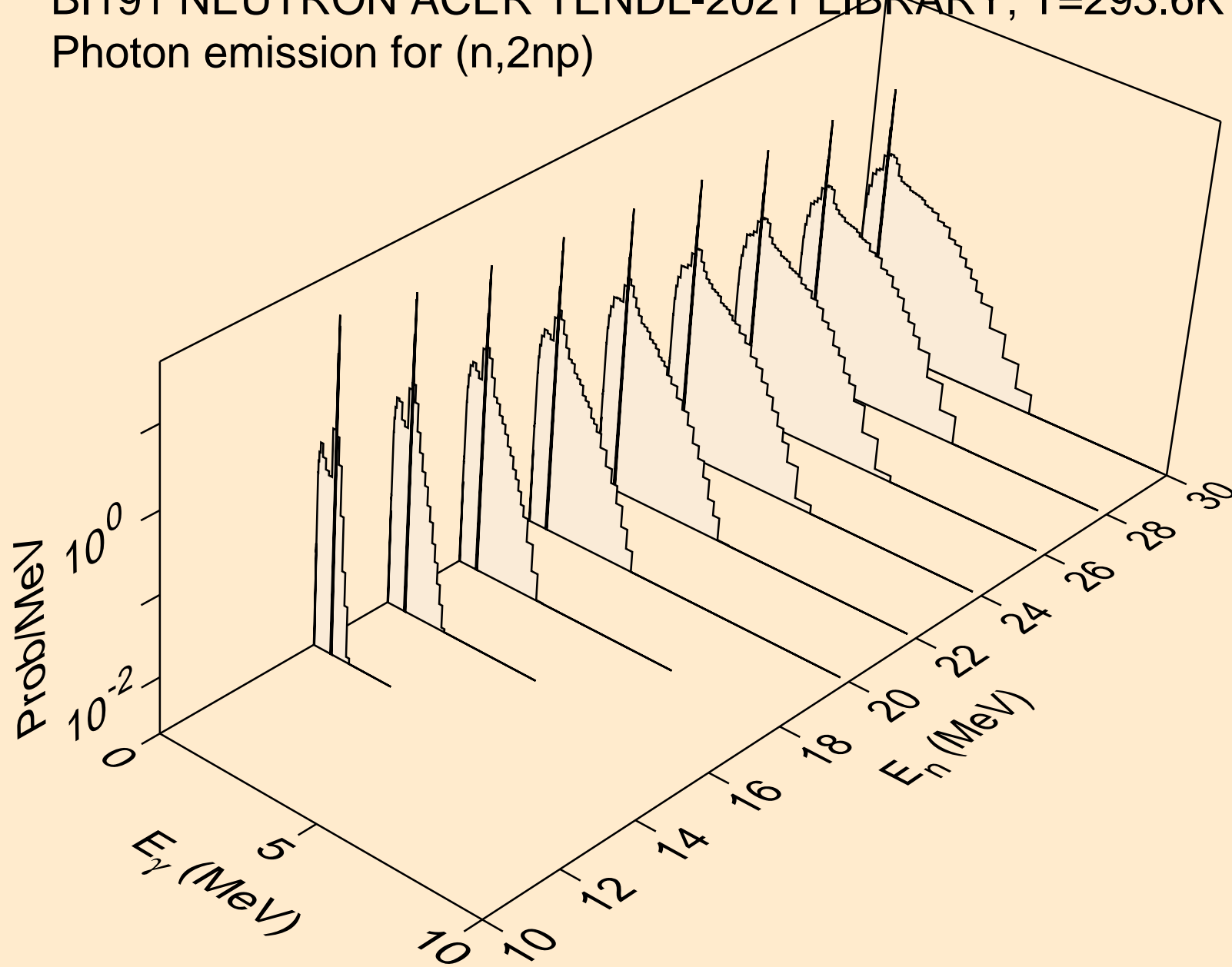
BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)t



BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)he3

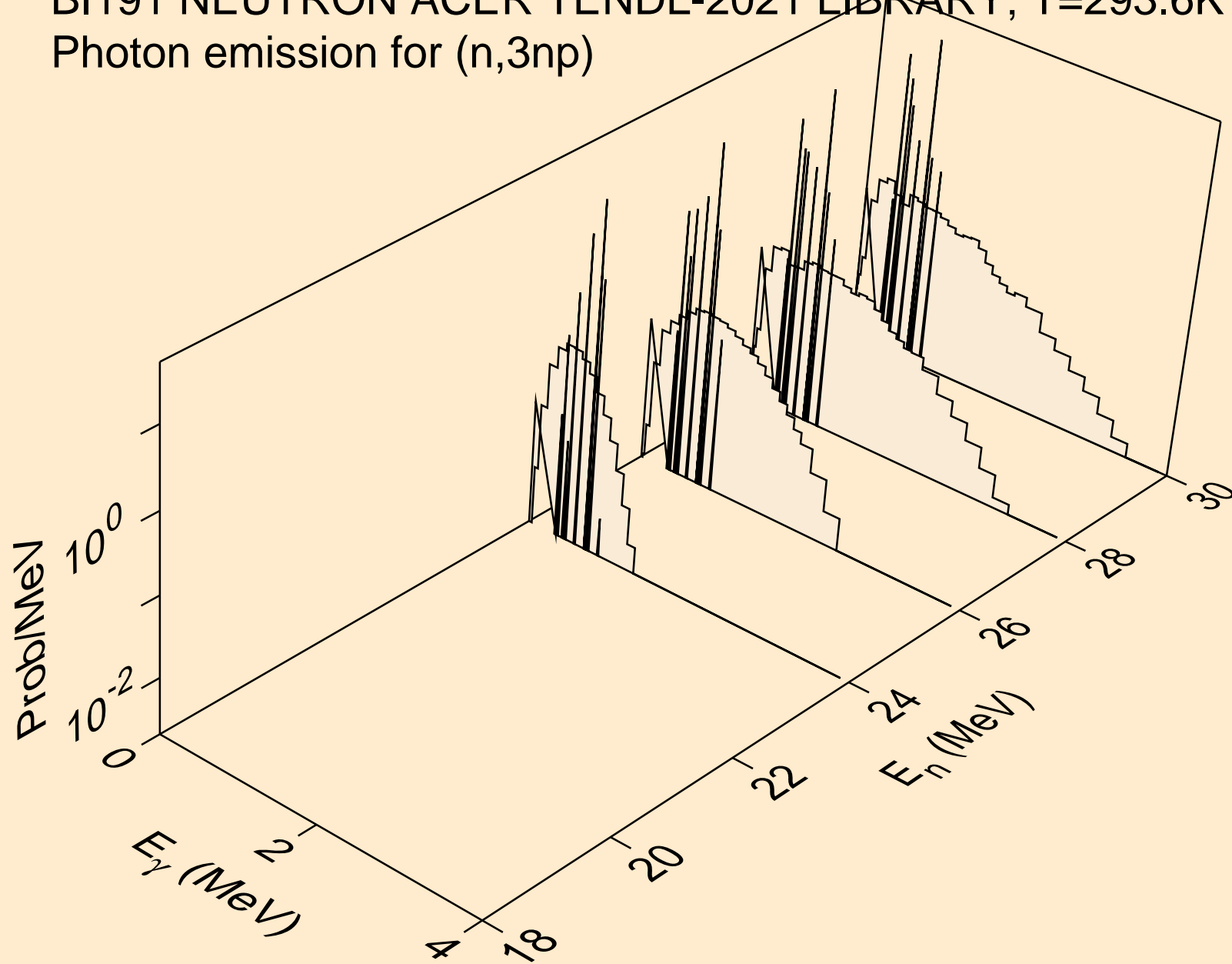


BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2np)

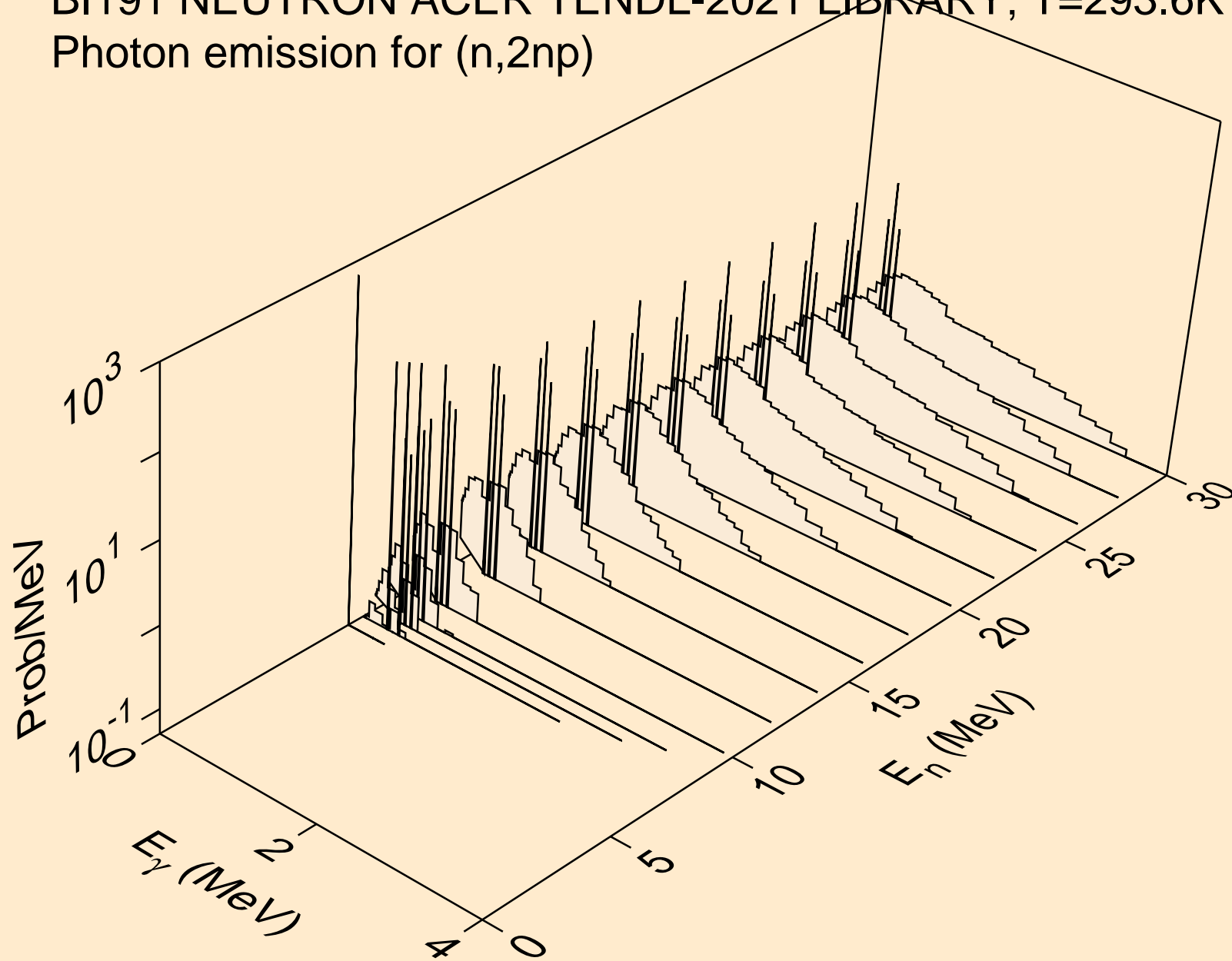




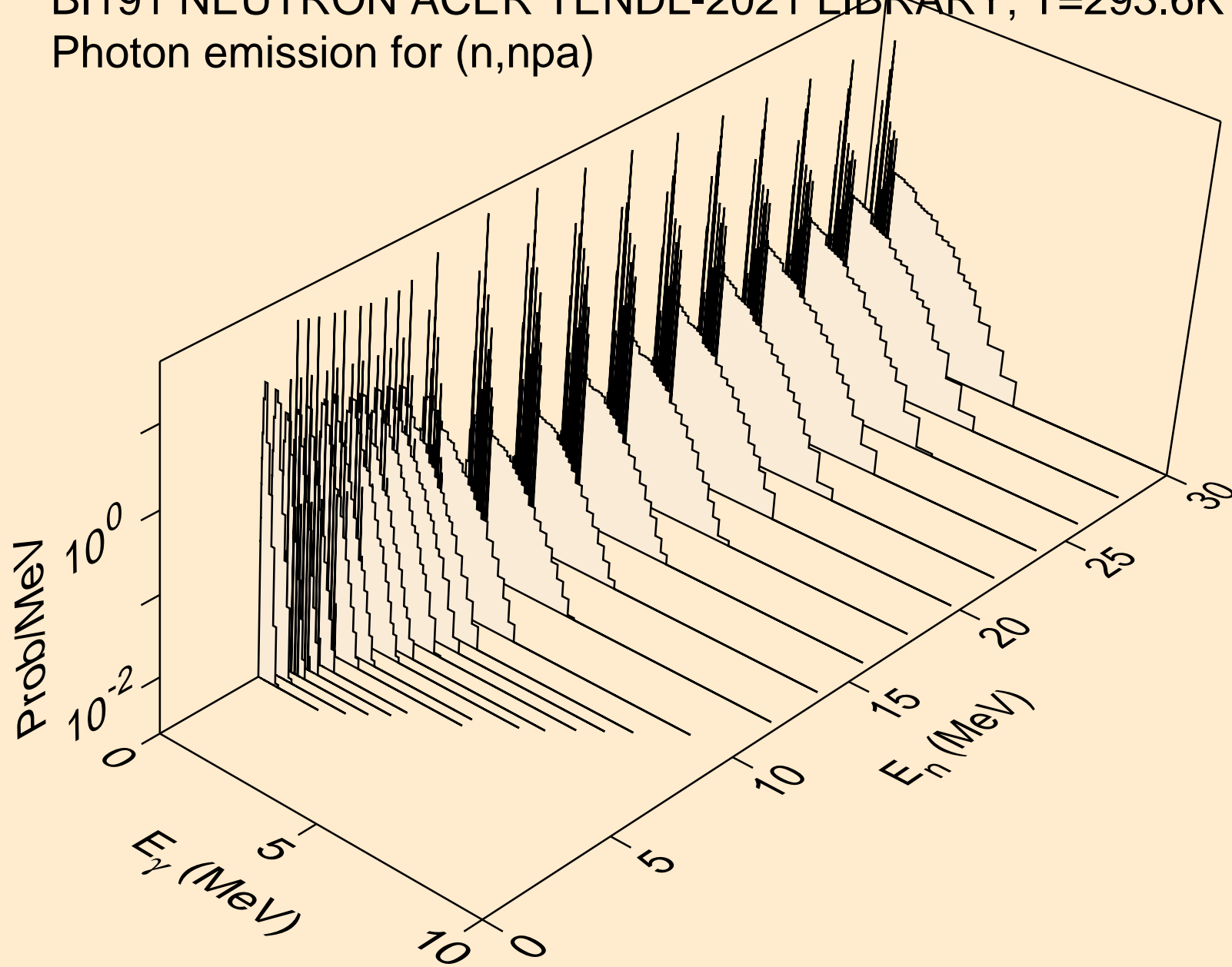
BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3np)



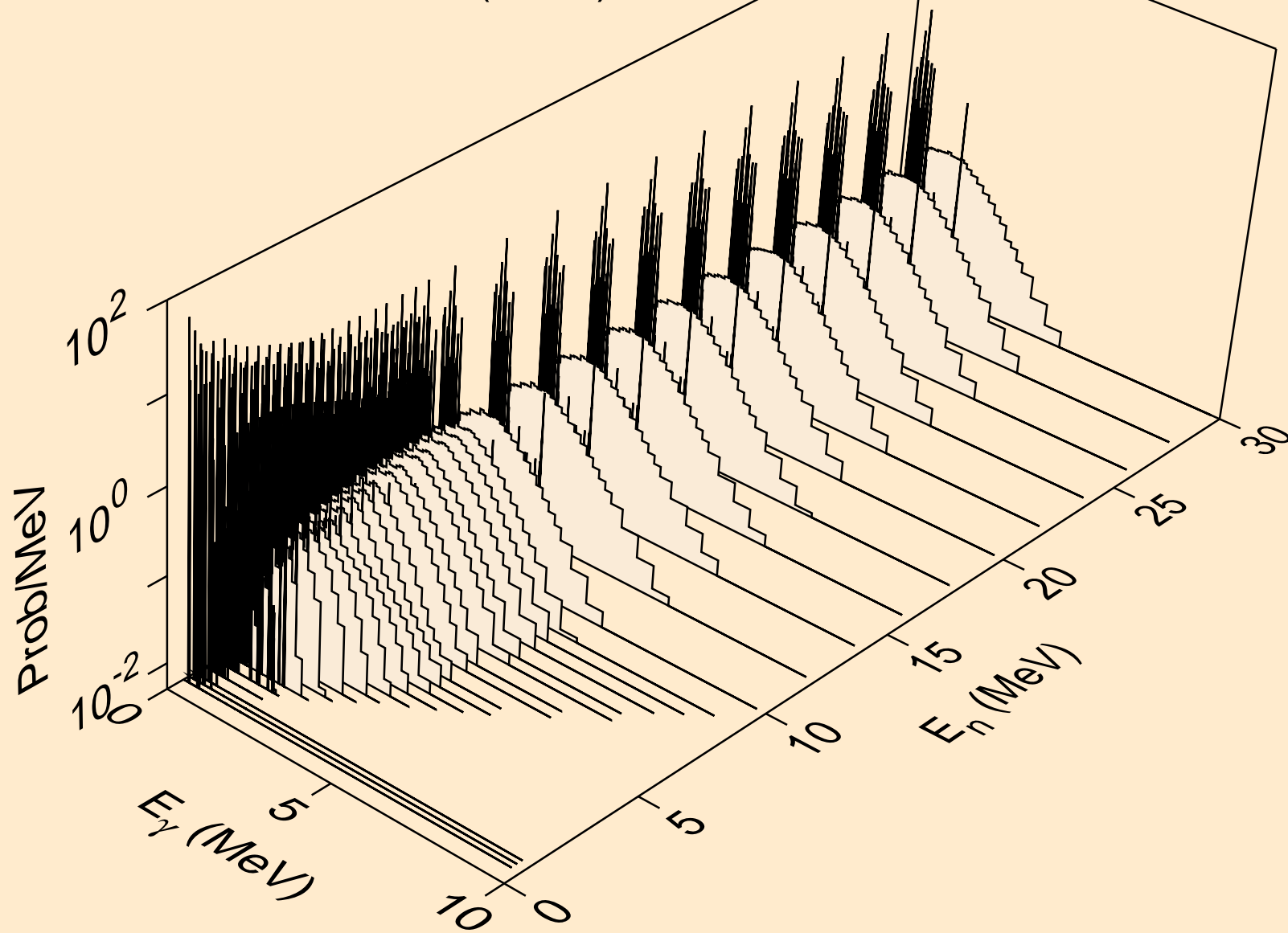
BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2np)



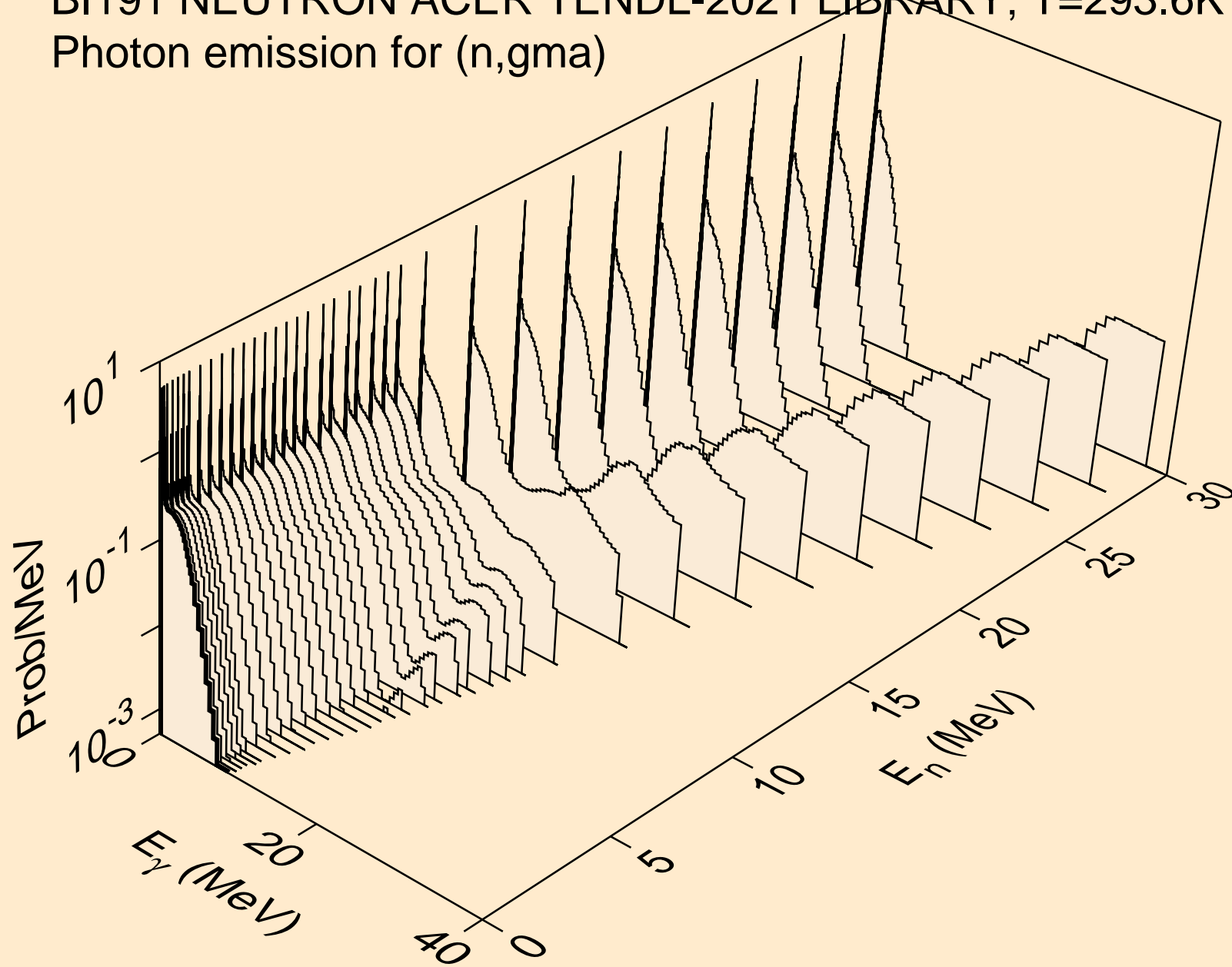
BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,npa)



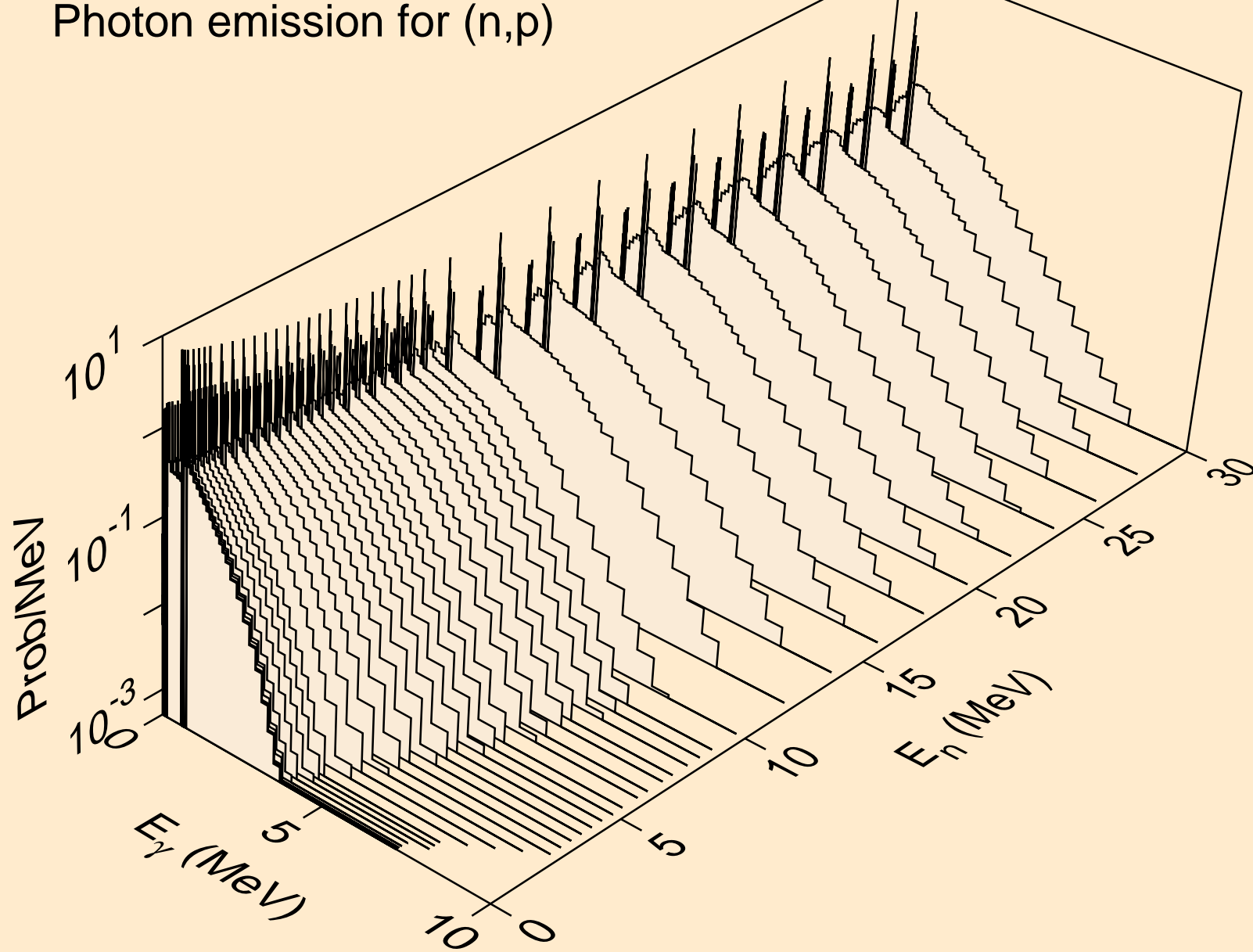
BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*c)



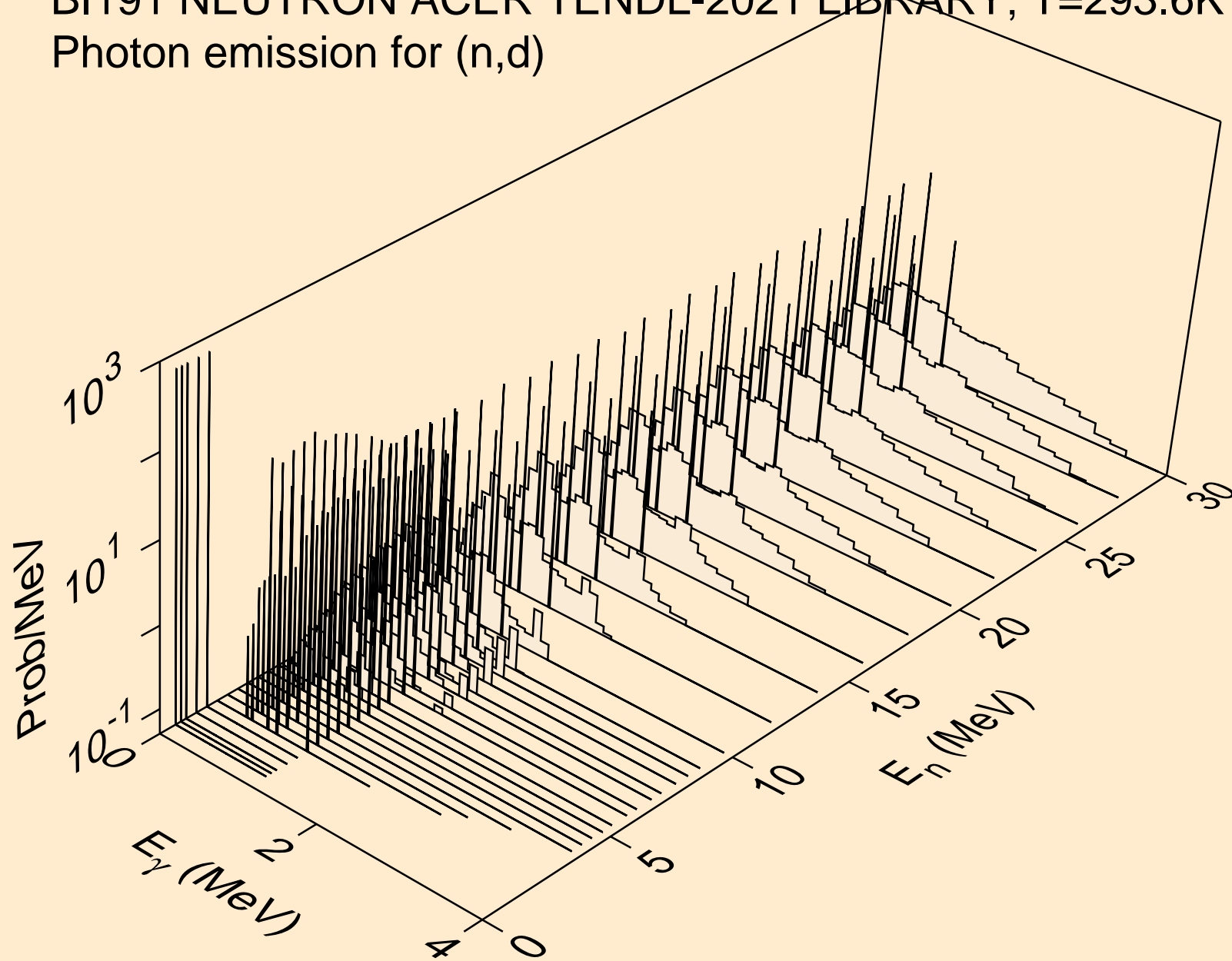
BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,gma)



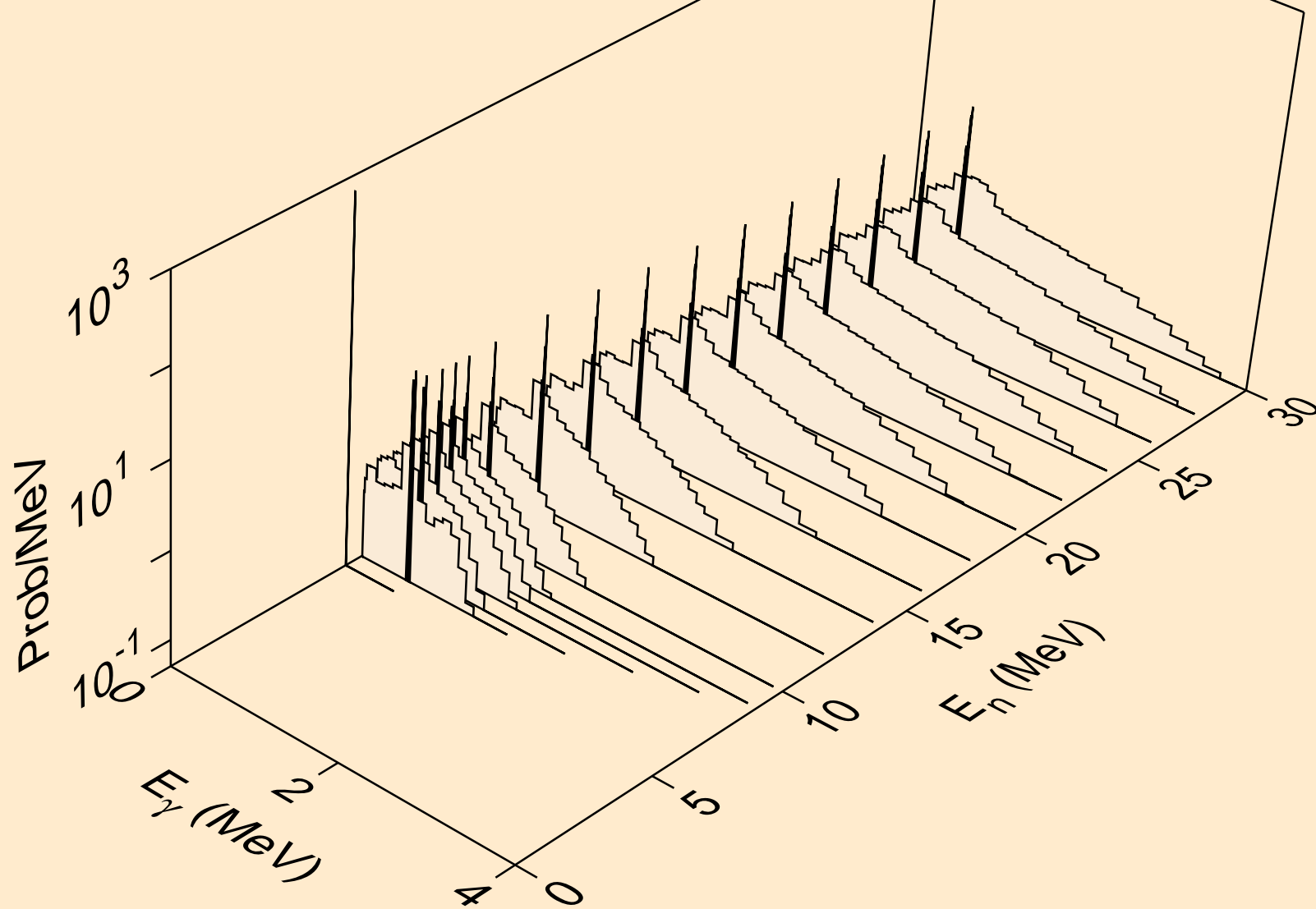
BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,p)



BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,d)

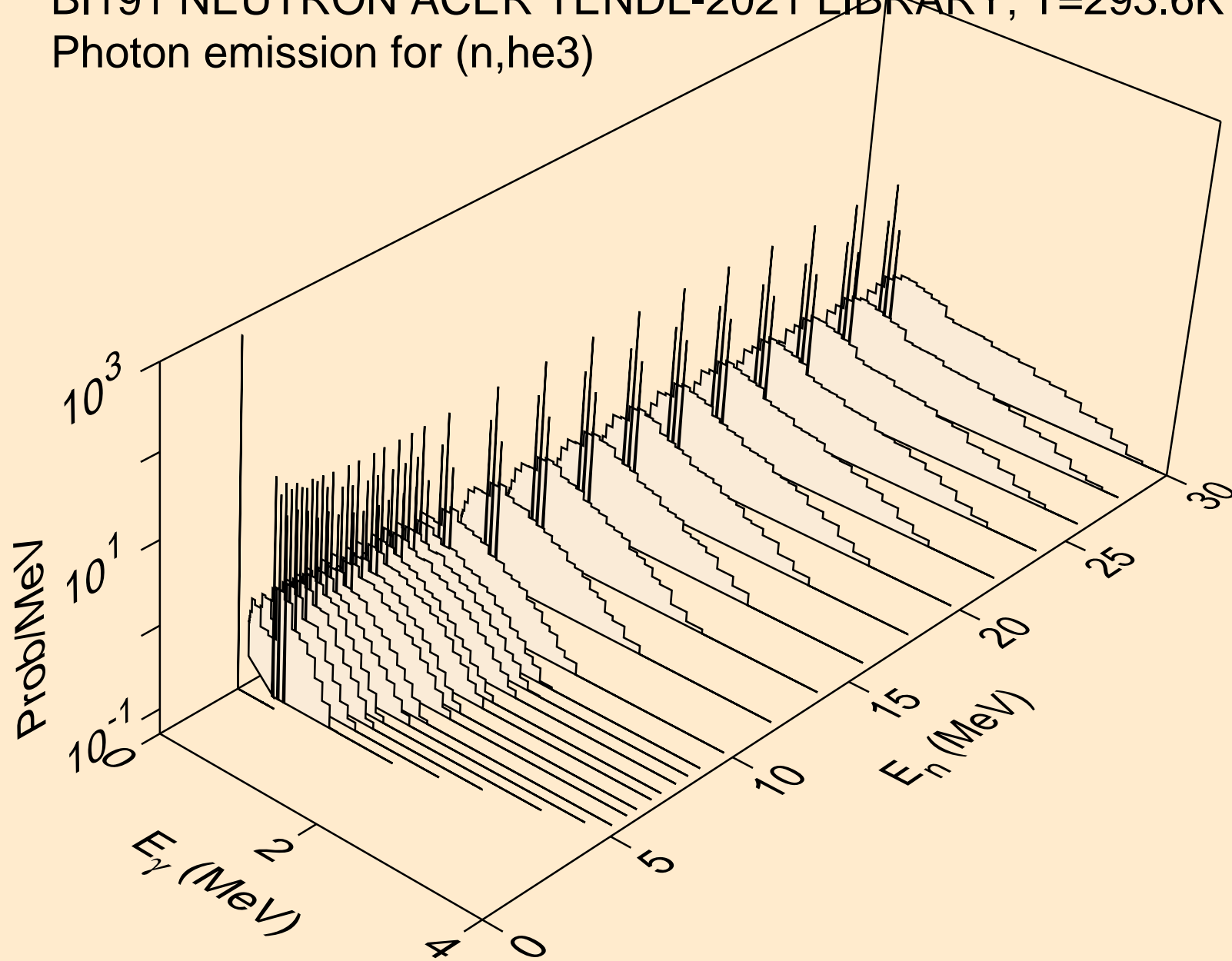


BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,t)

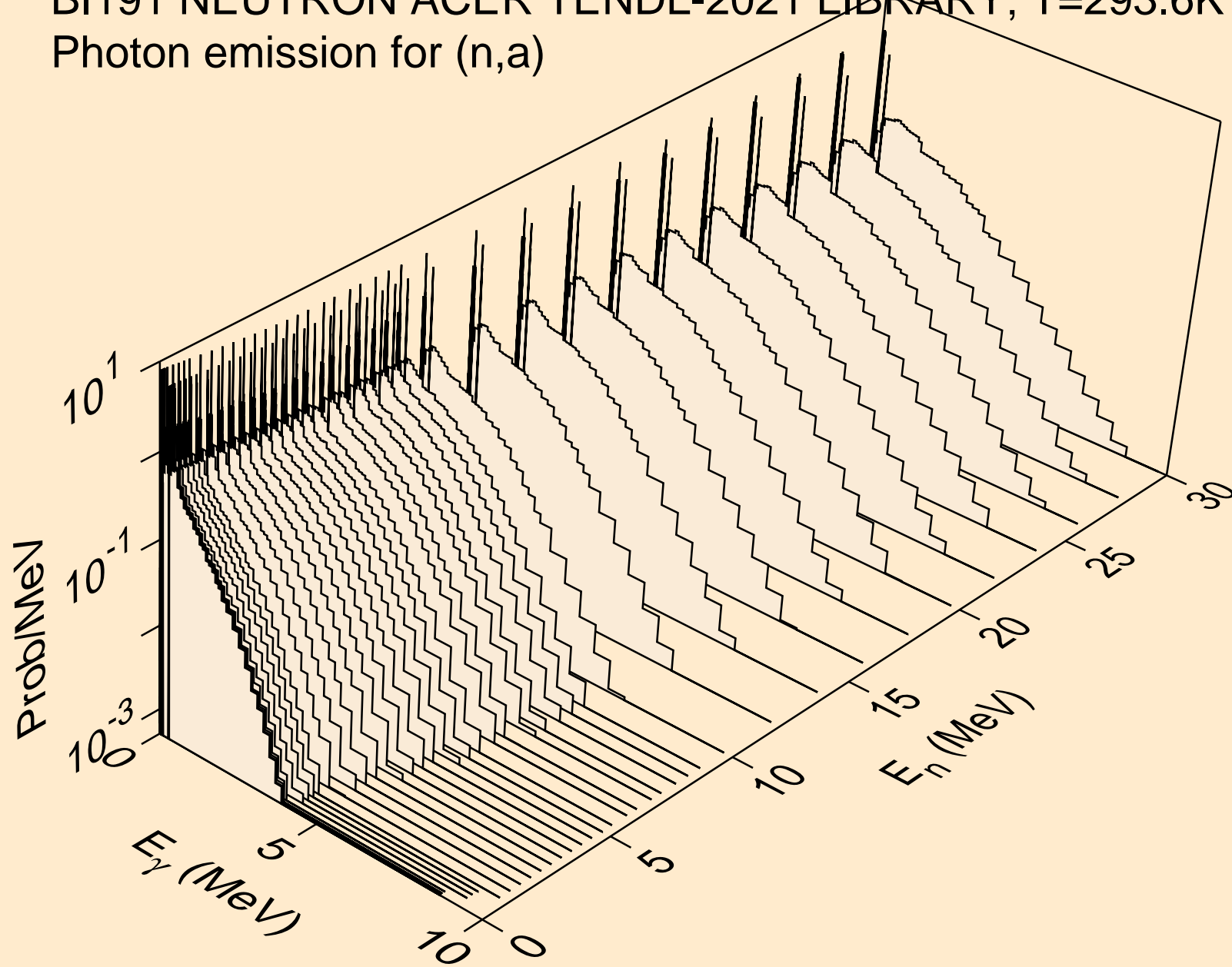




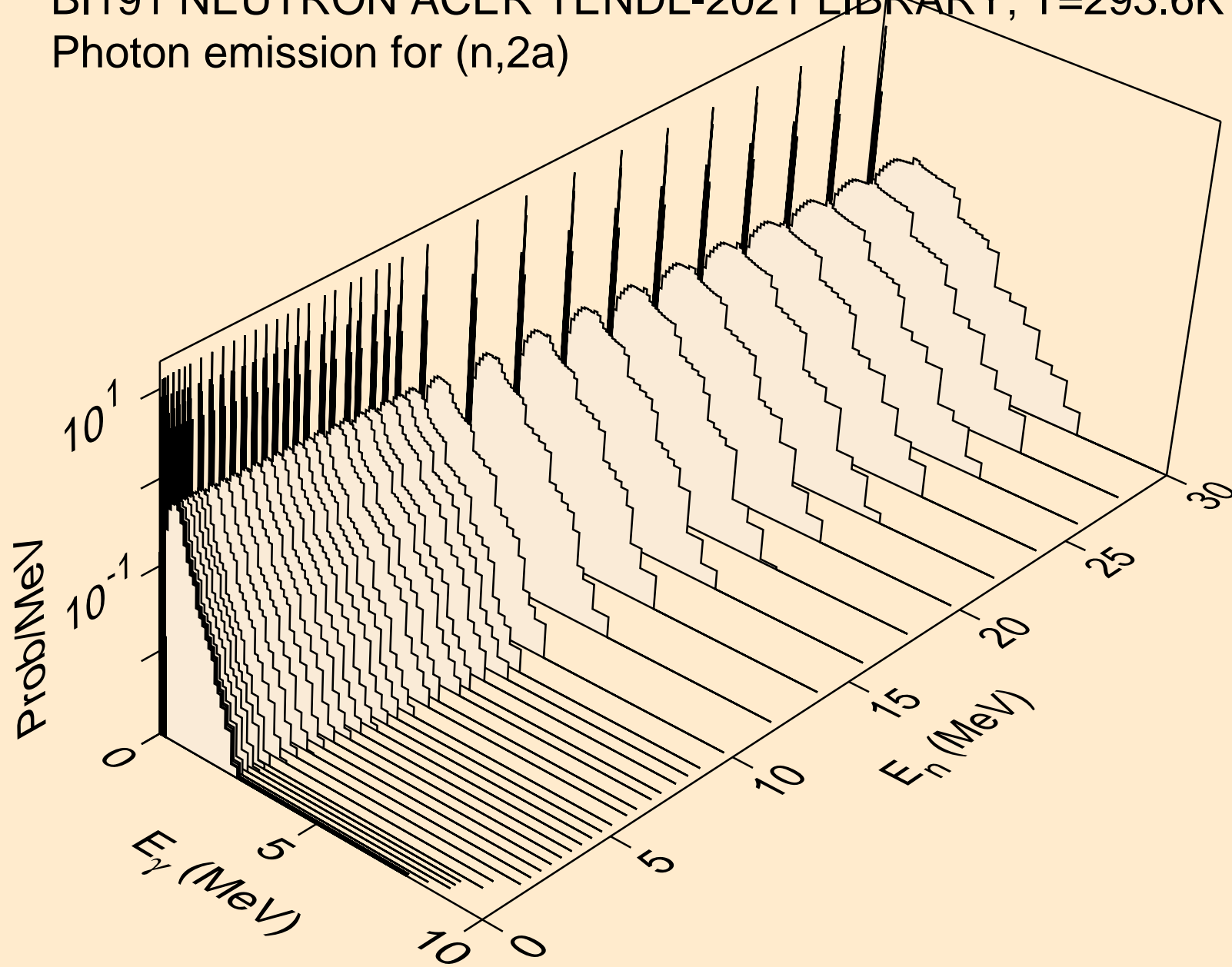
BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,he3)



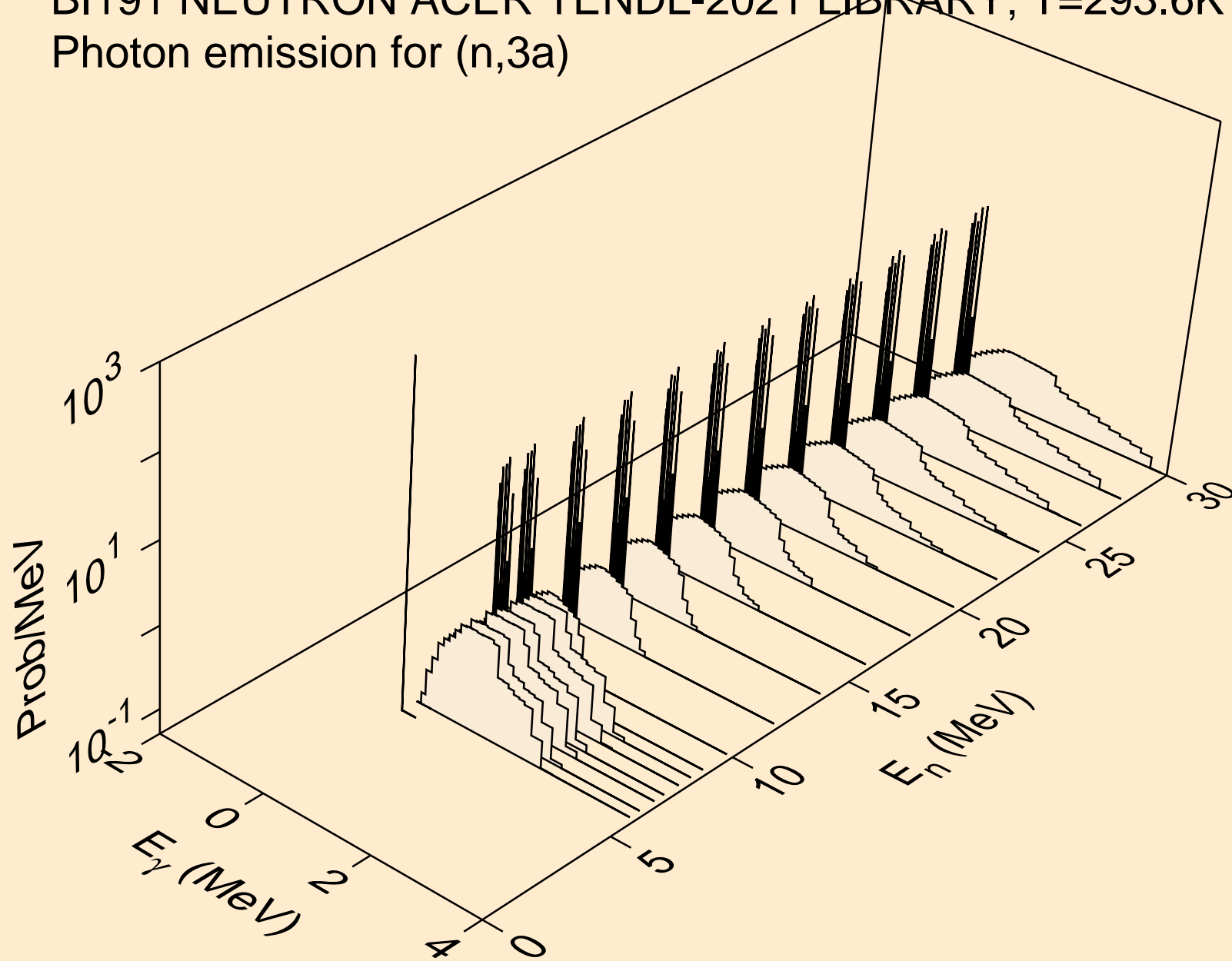
BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,a)



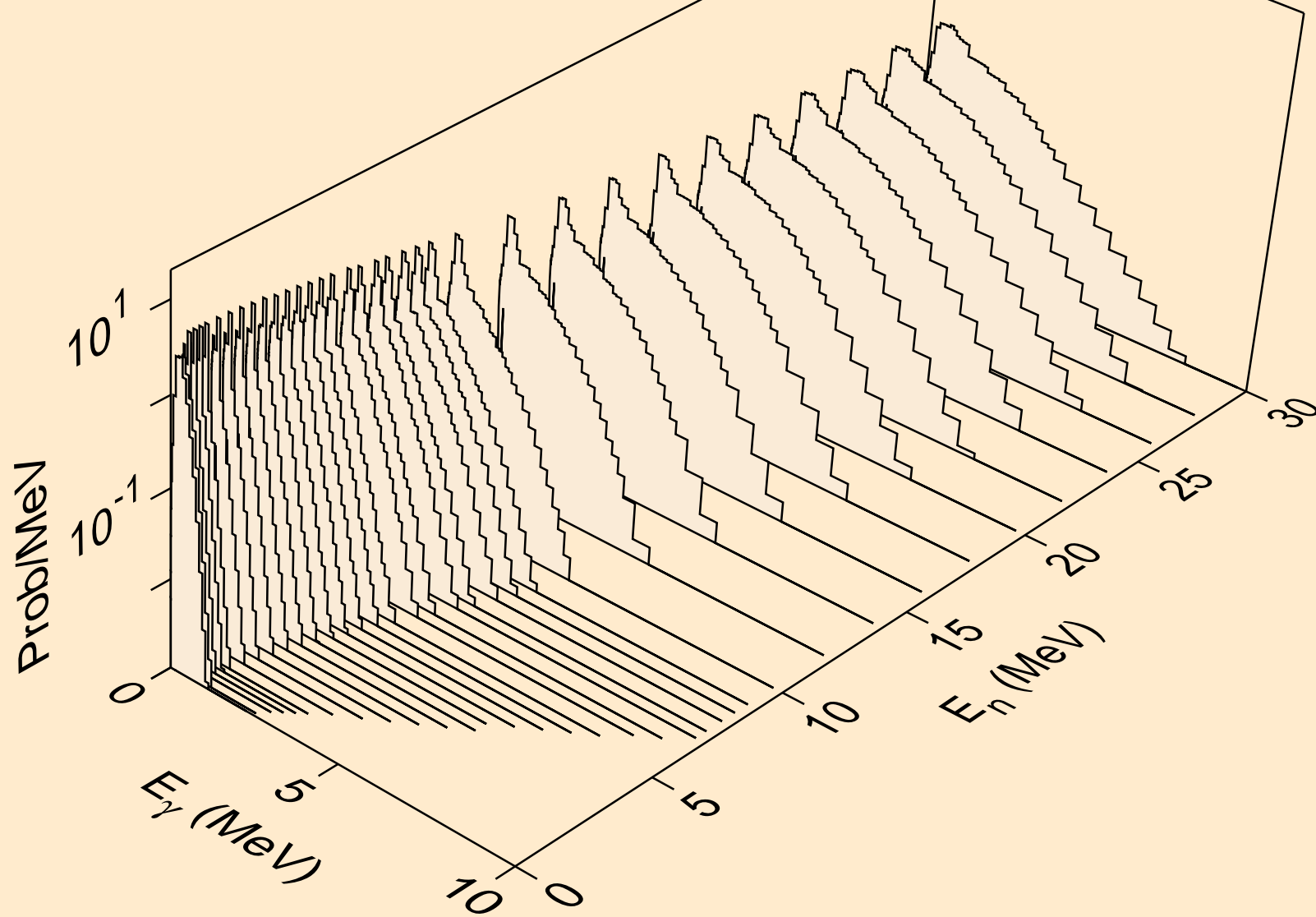
BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2a)



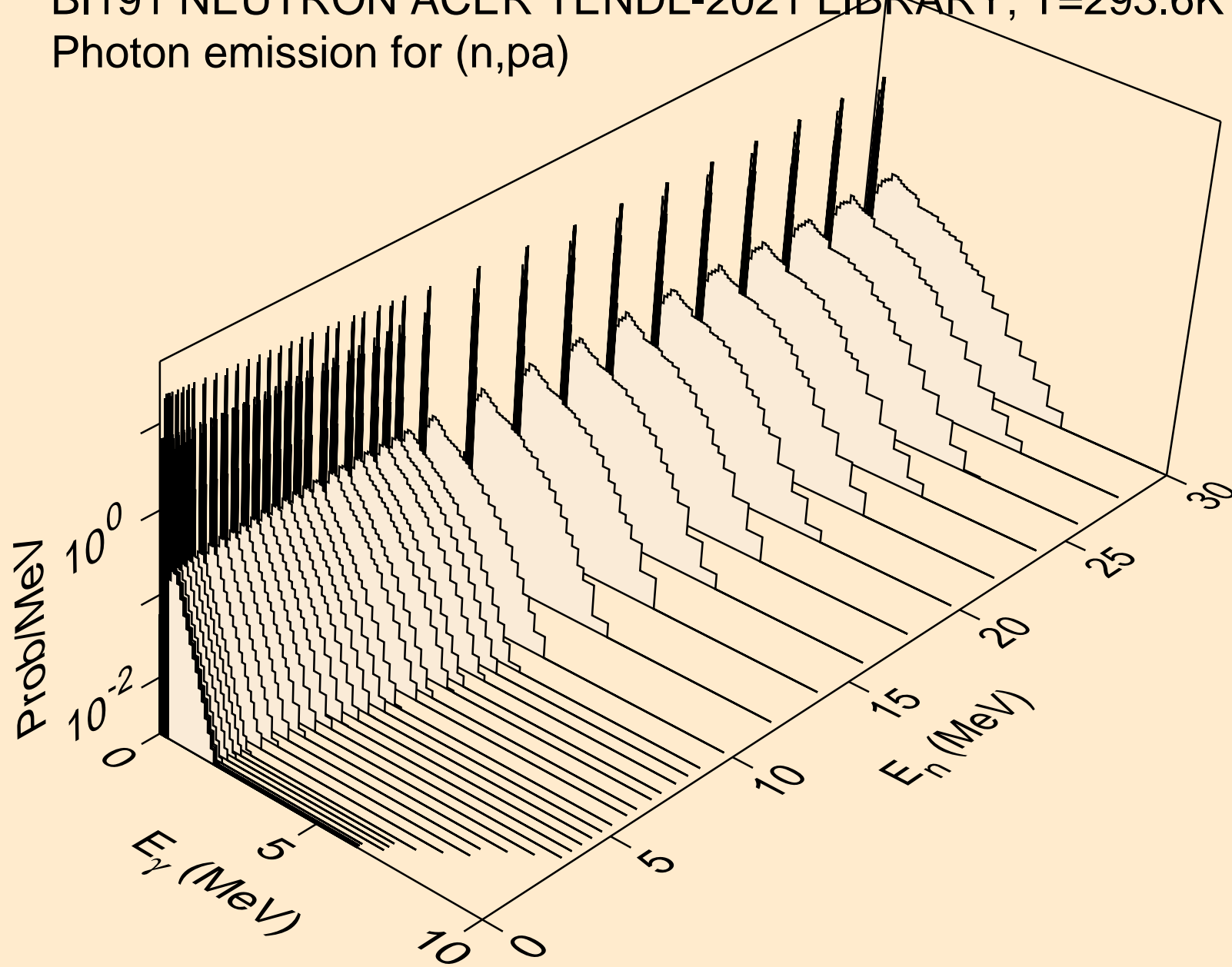
BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3a)



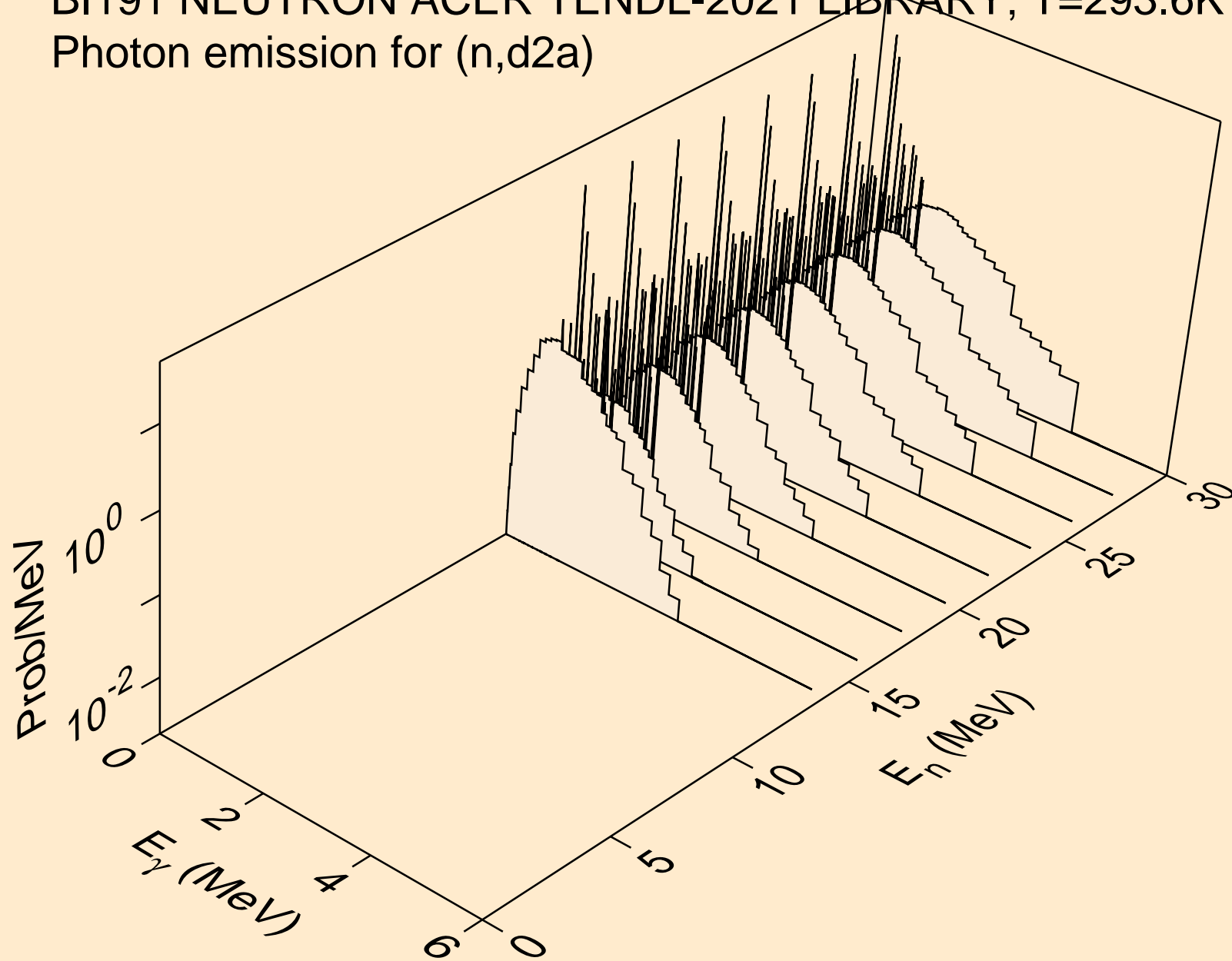
BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2p)



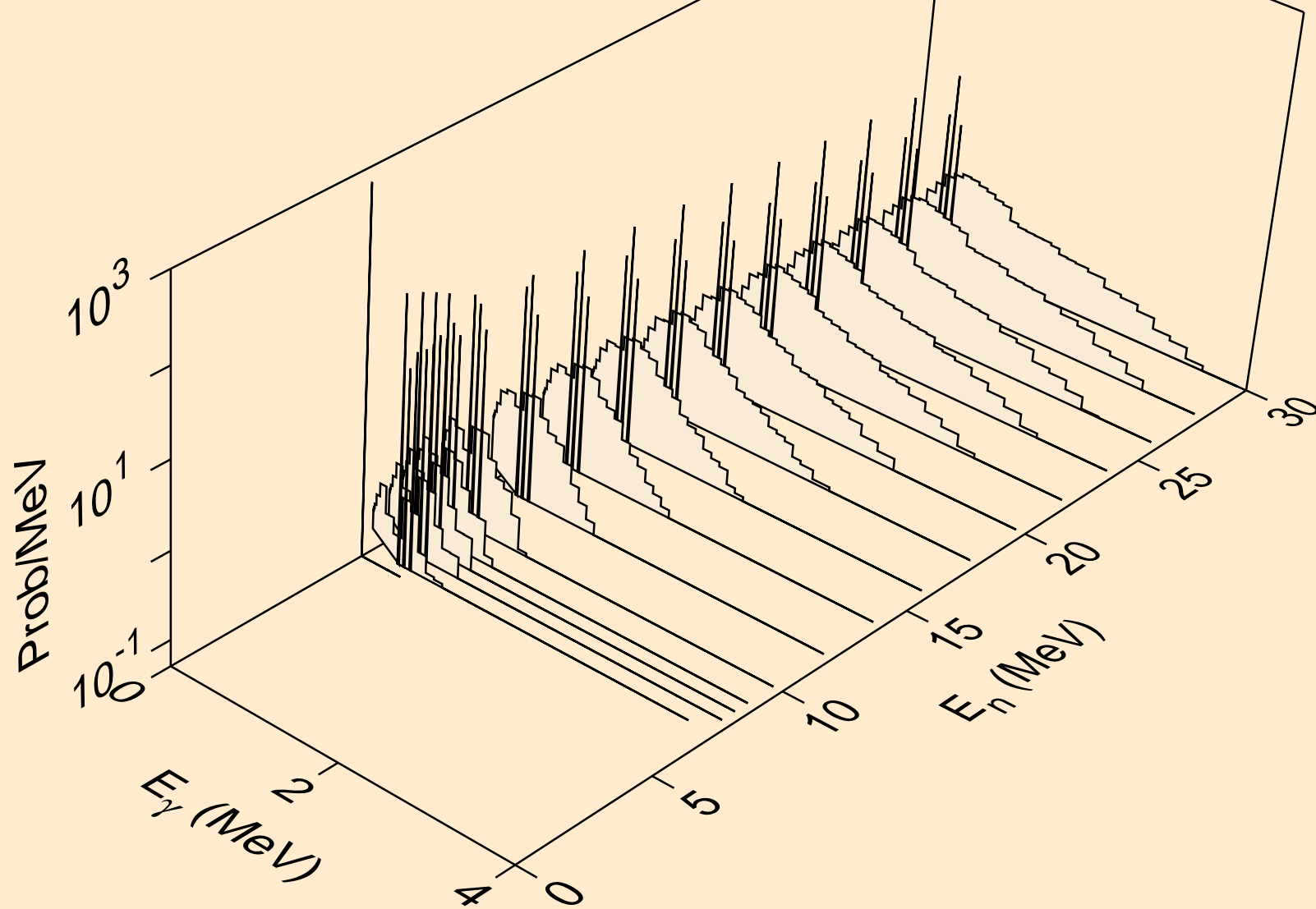
BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,p $\alpha$ )



BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,d2a)

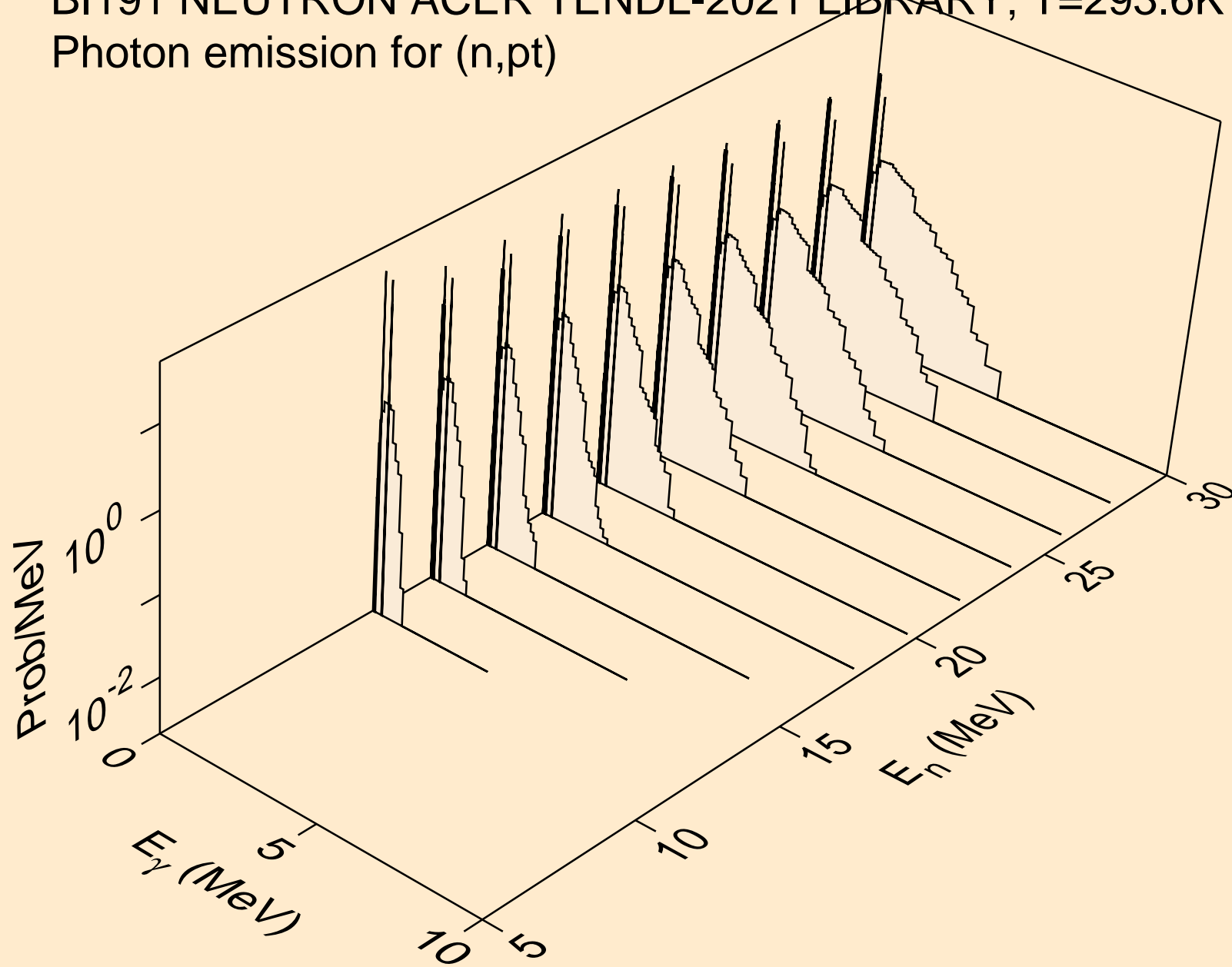


BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,pd)

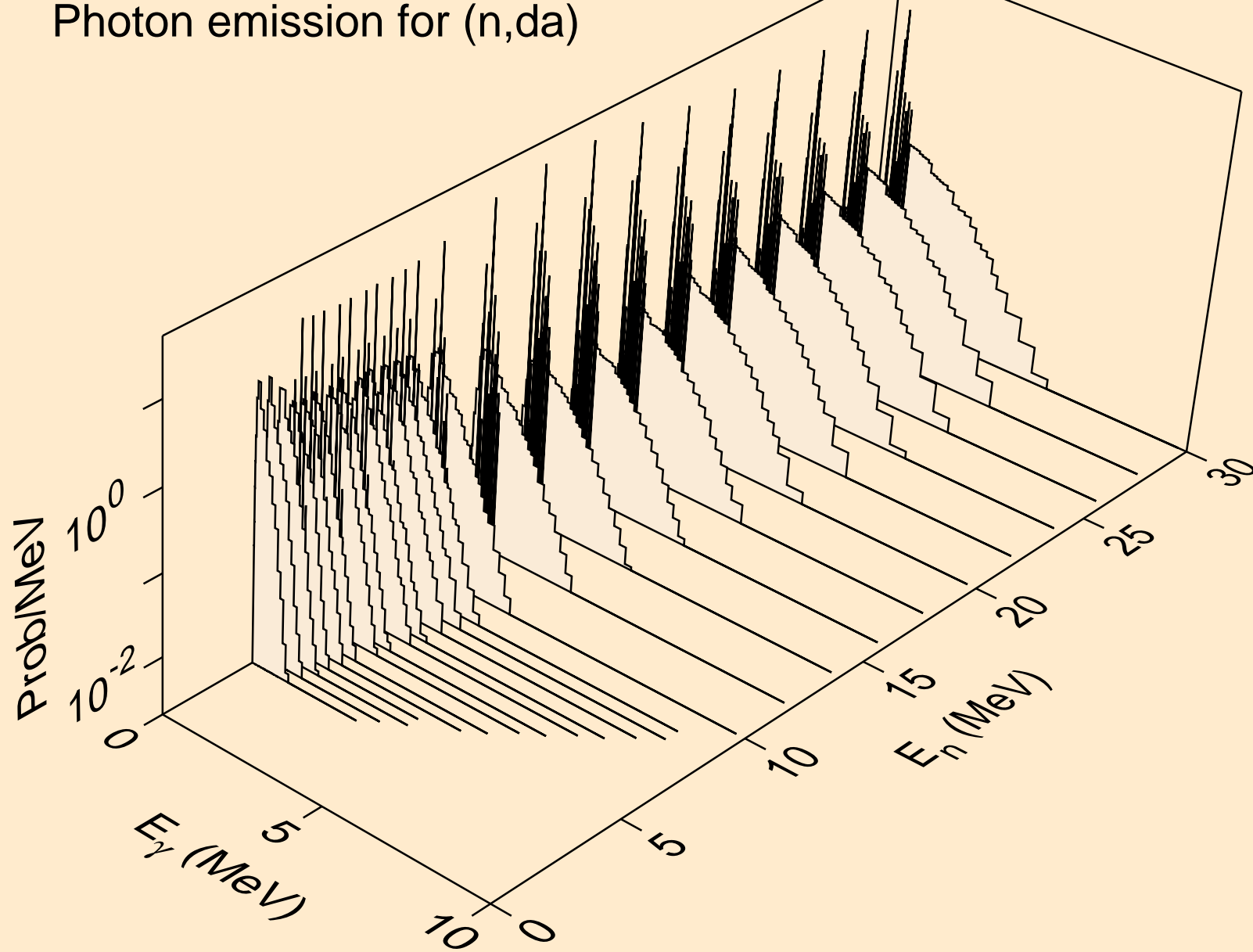




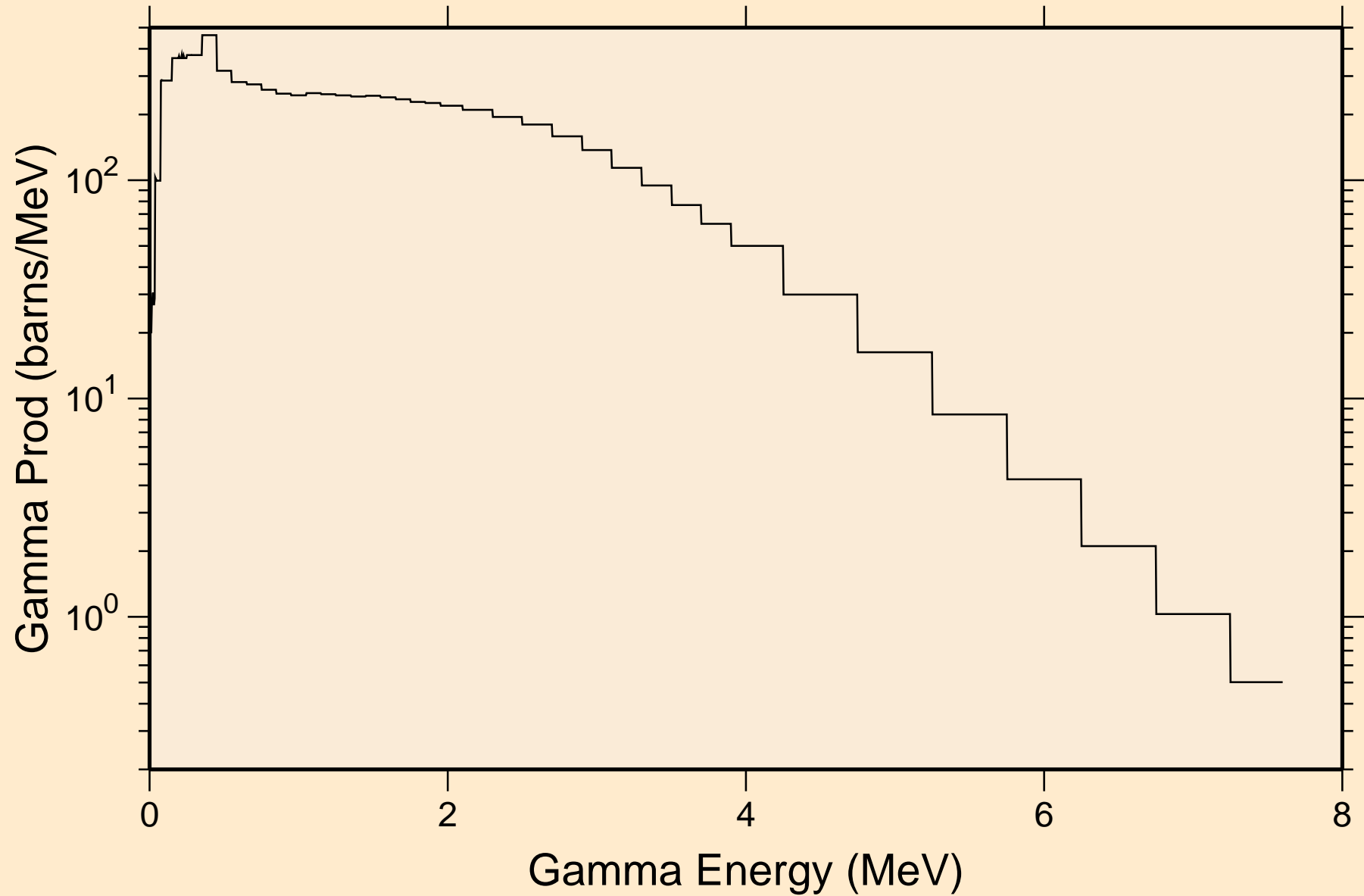
BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,pt)



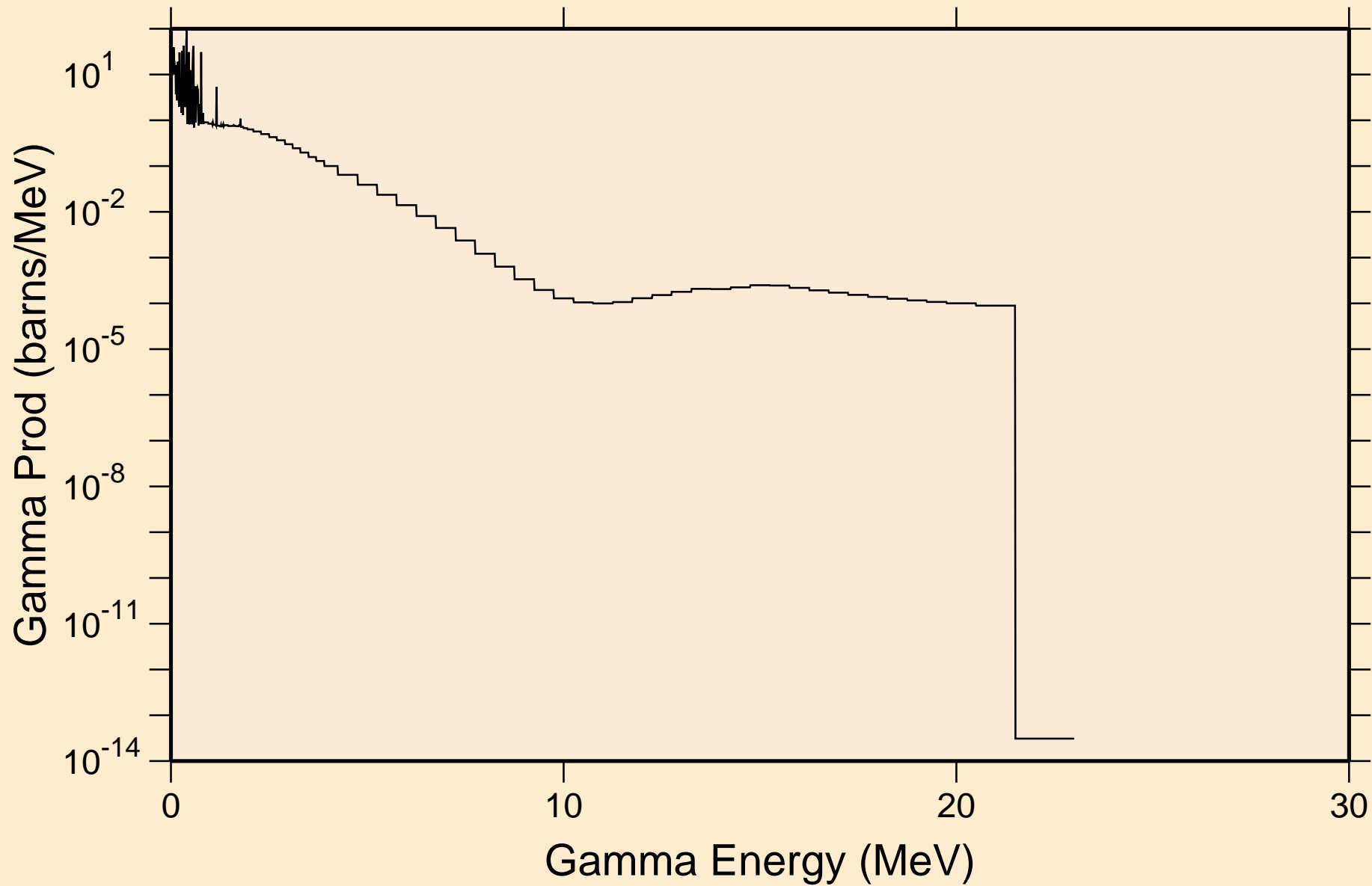
BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,da)



BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
thermal capture photon spectrum

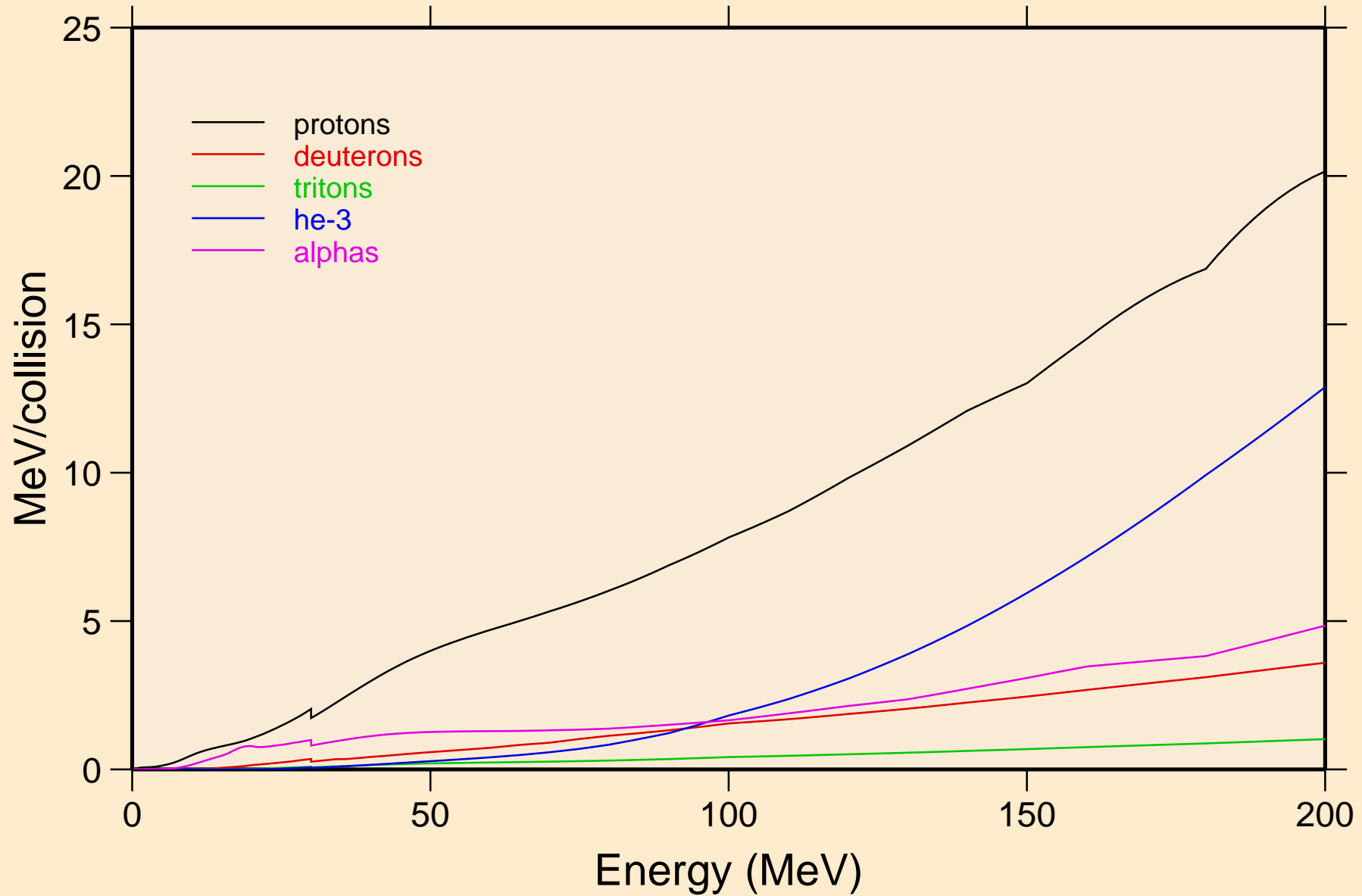


BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
14 MeV photon spectrum

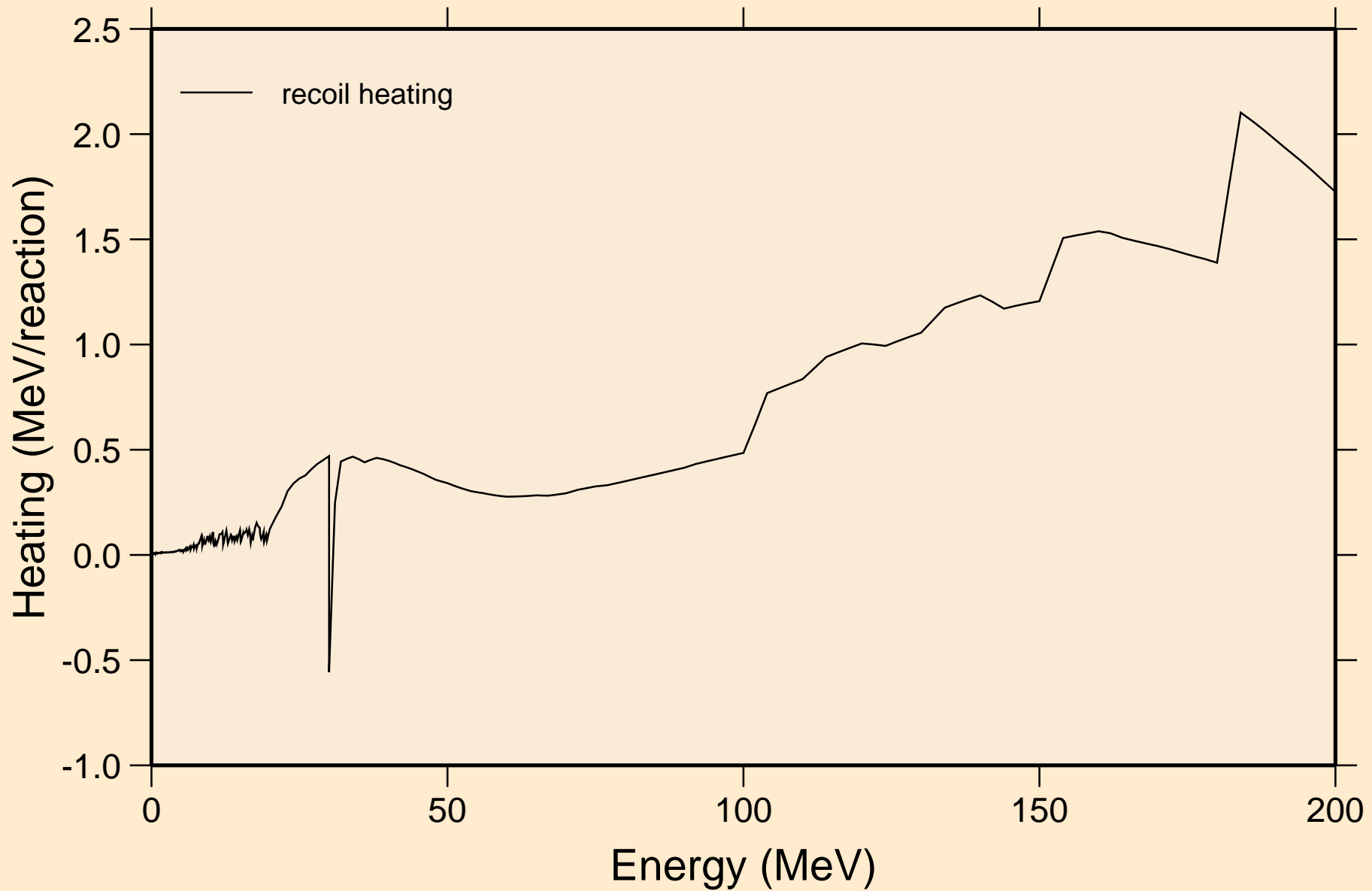


# BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

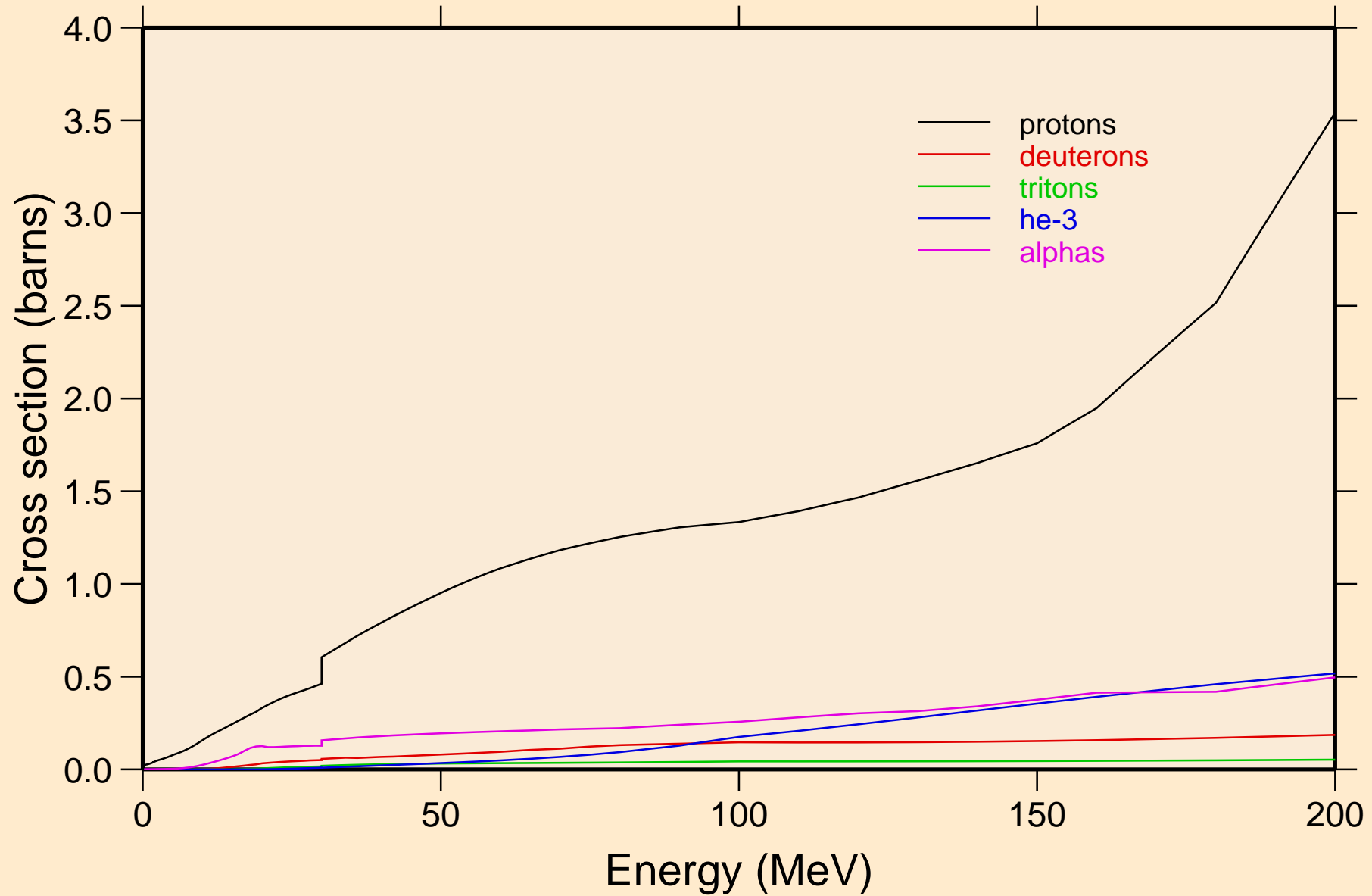
## Particle heating contributions



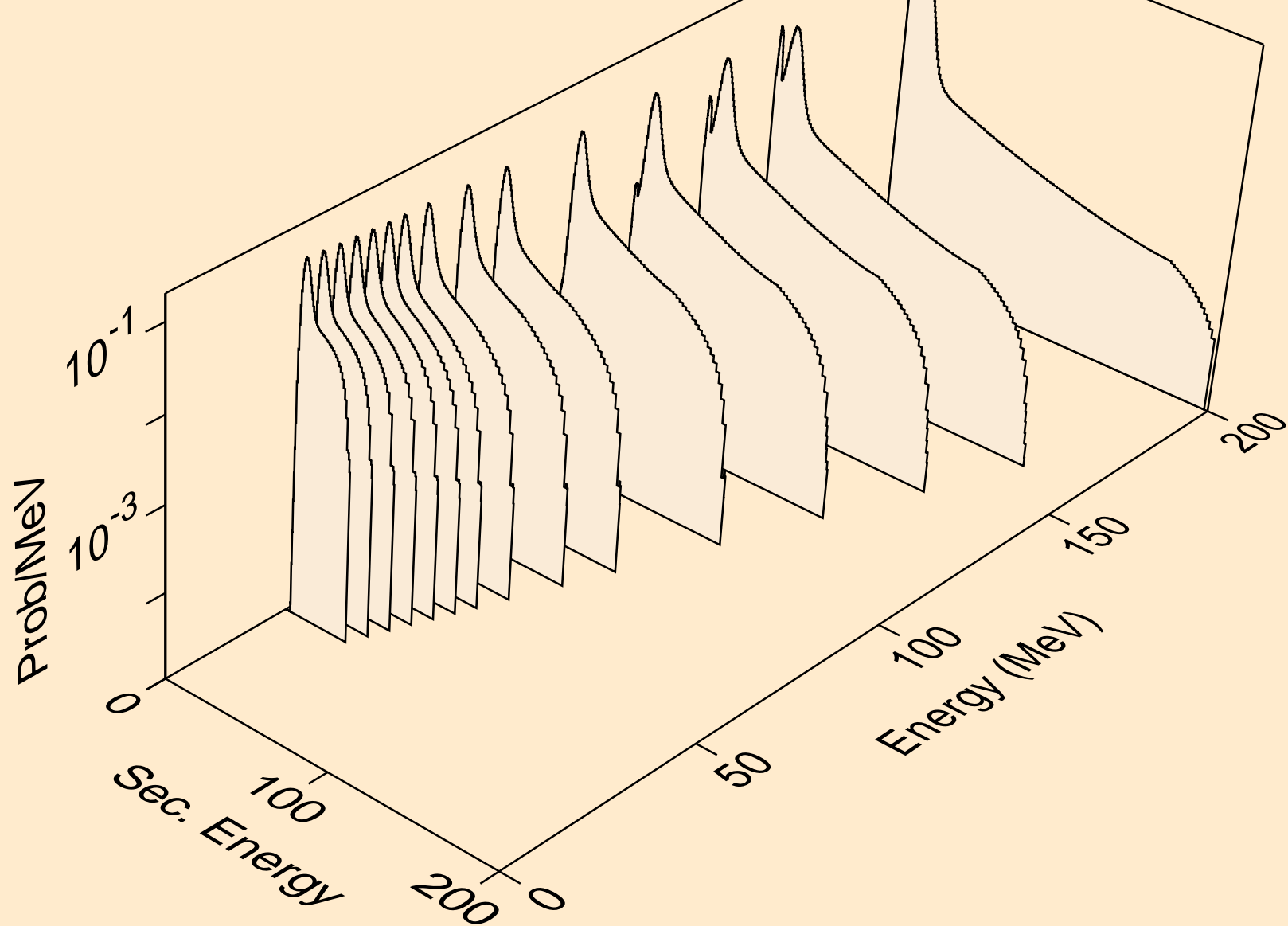
BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Recoil Heating



BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Particle production cross sections

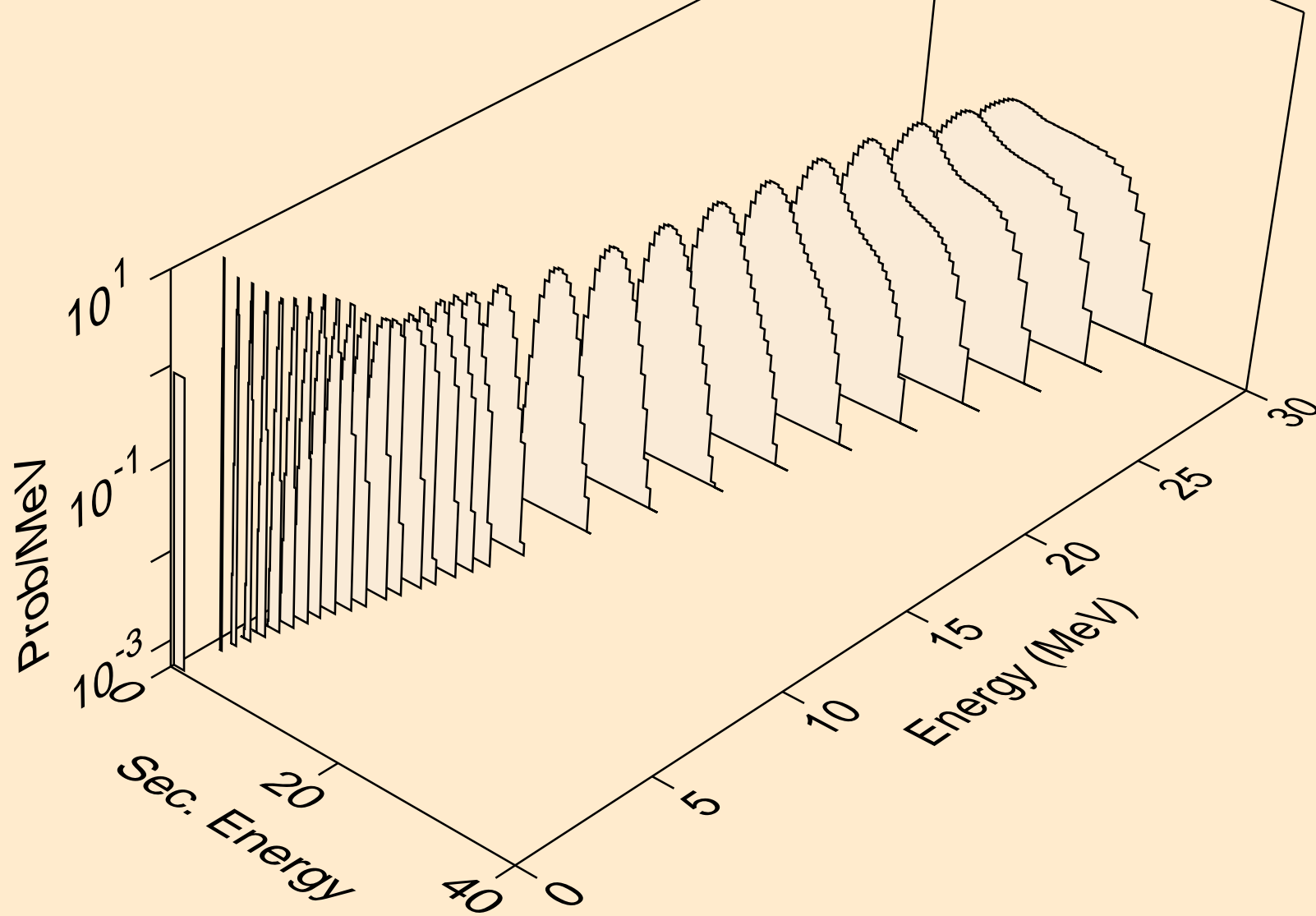


BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,x)

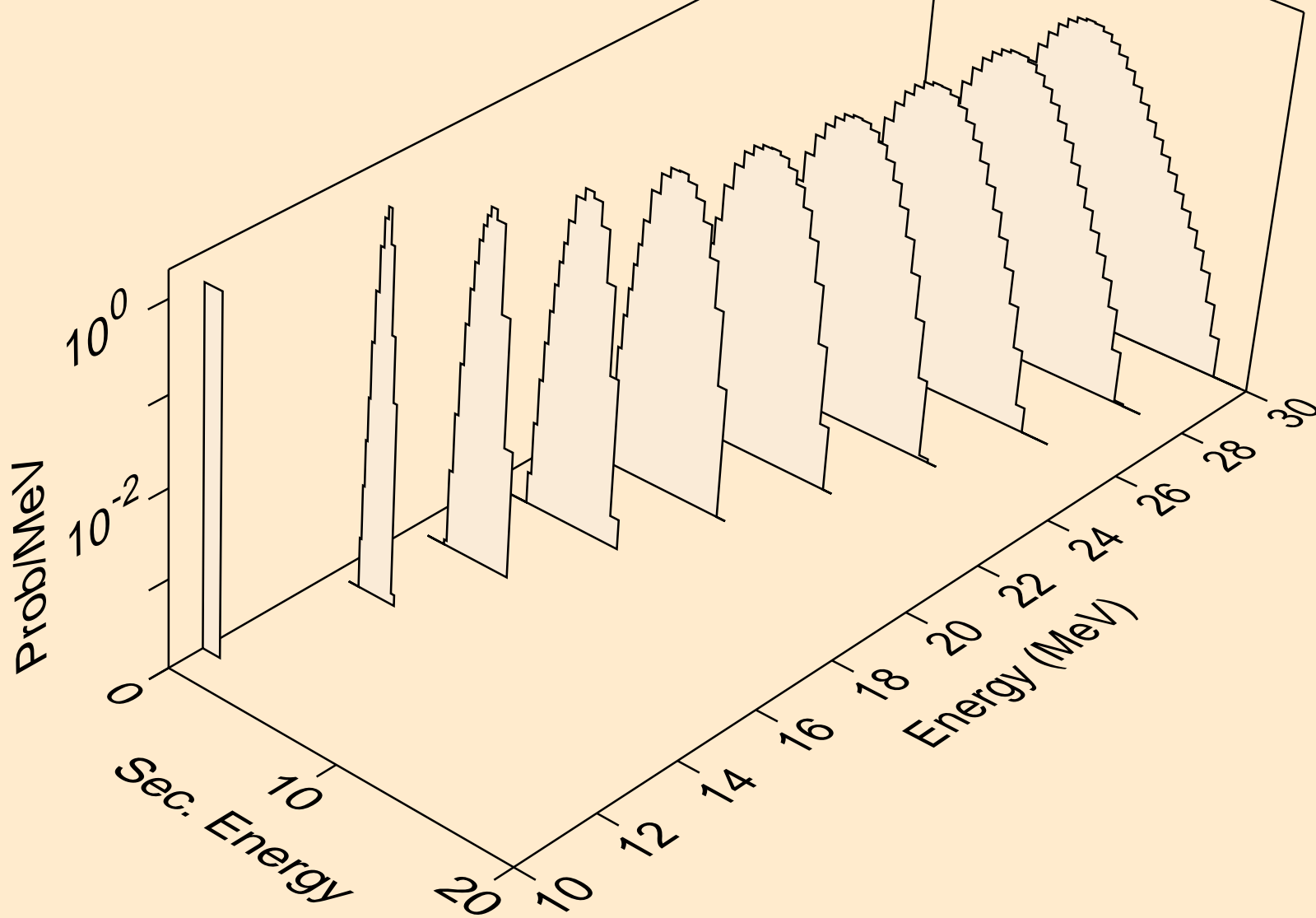




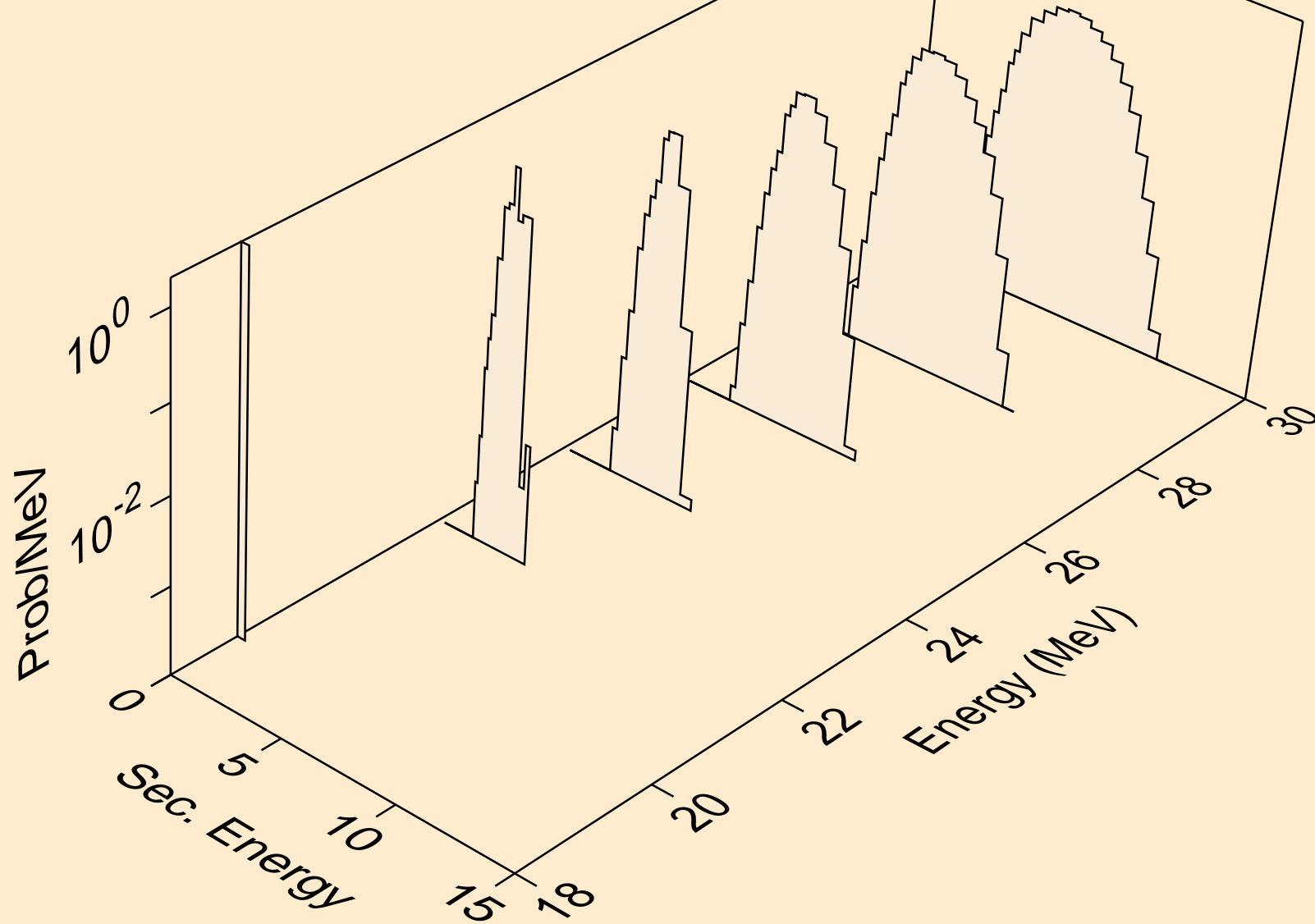
BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,n\*)p



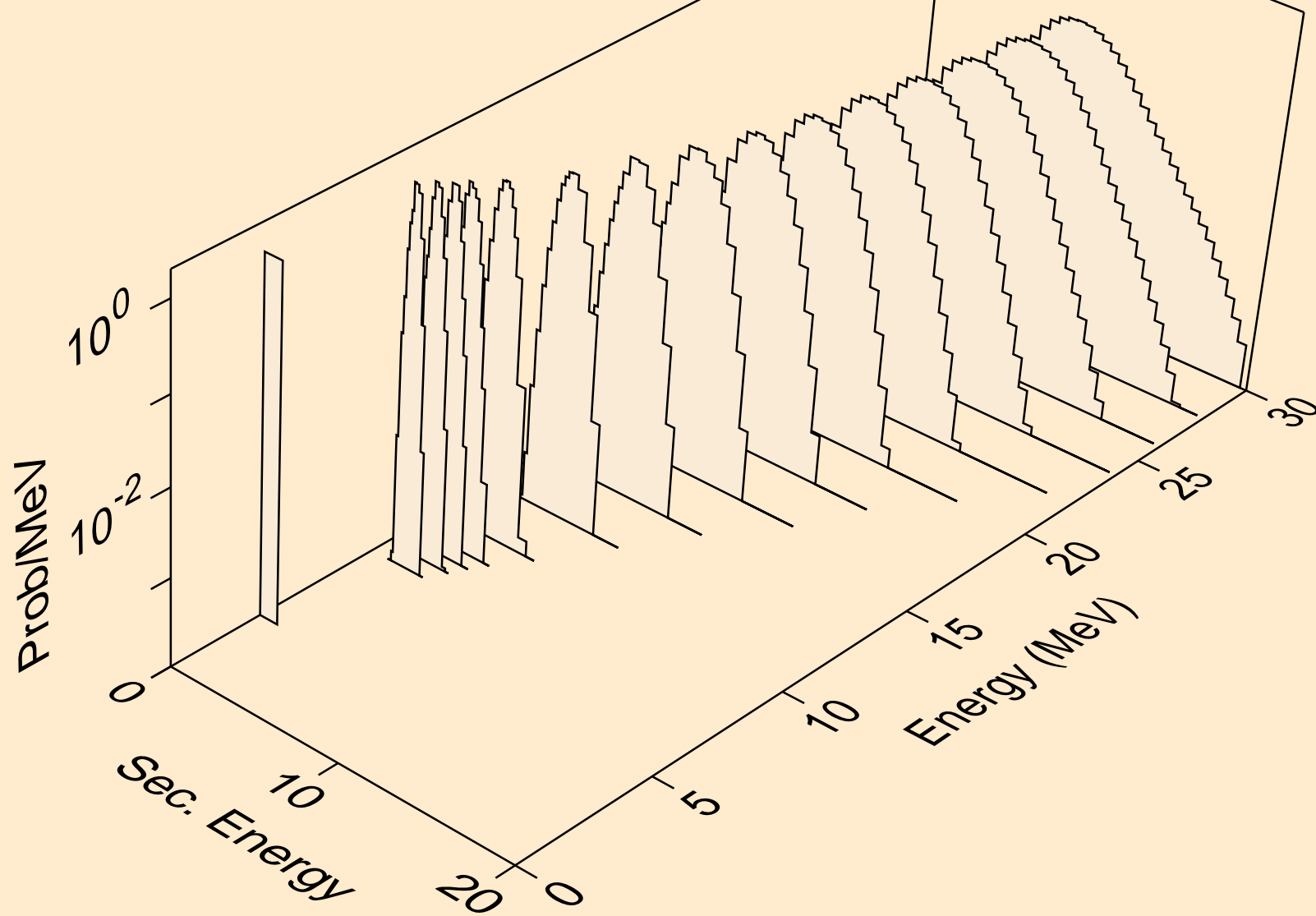
BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,2np)



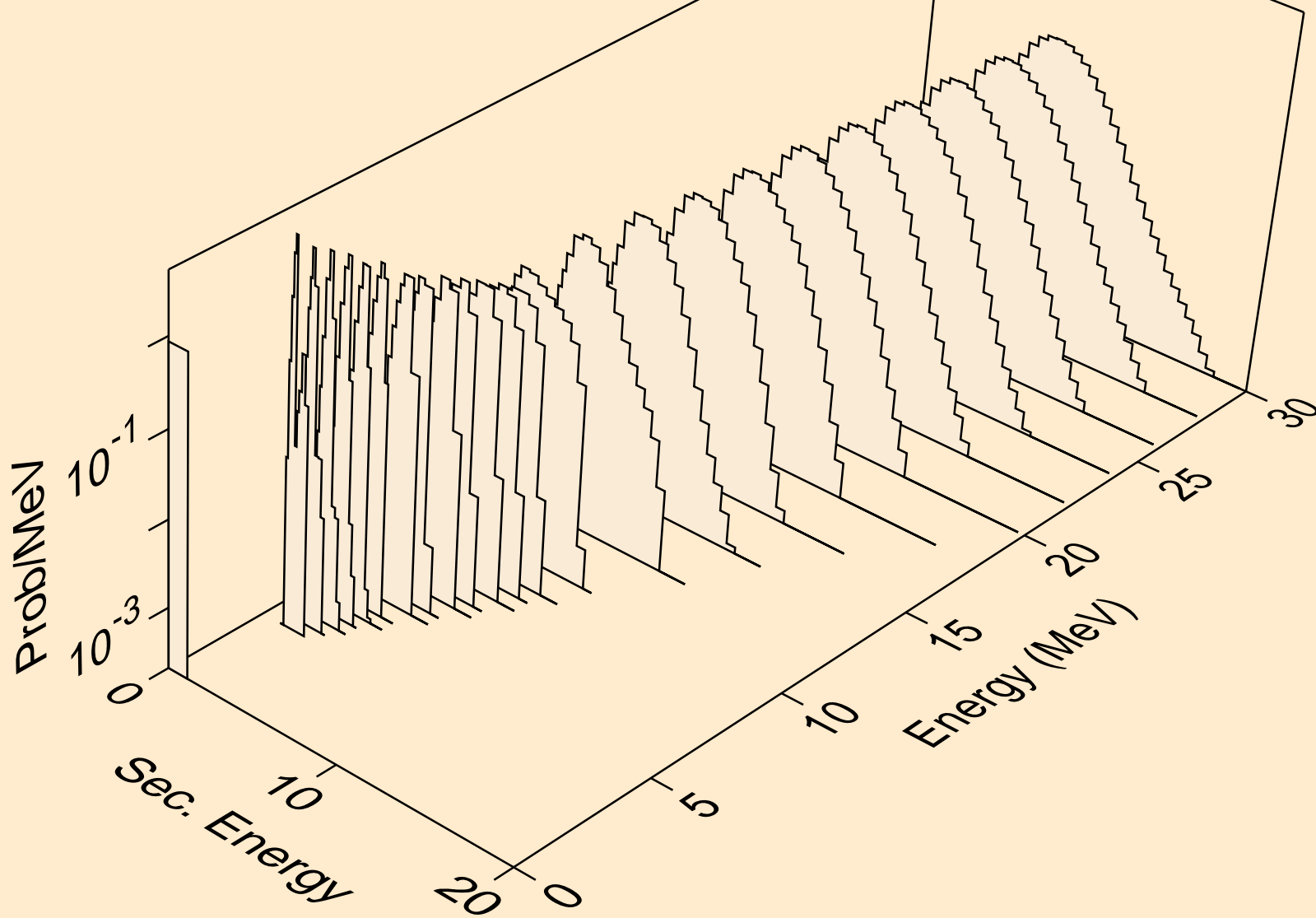
BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,3np)



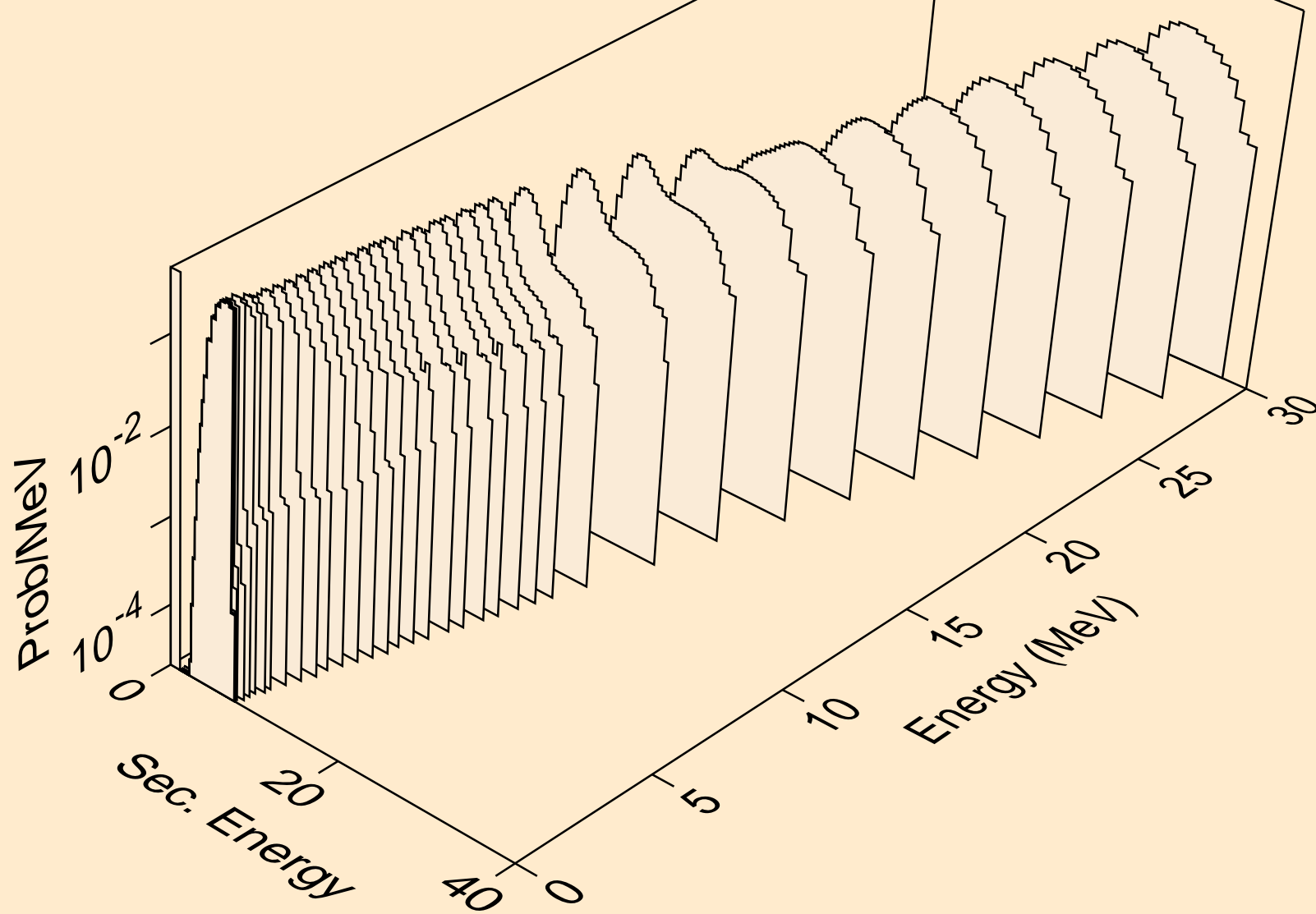
BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,2np)



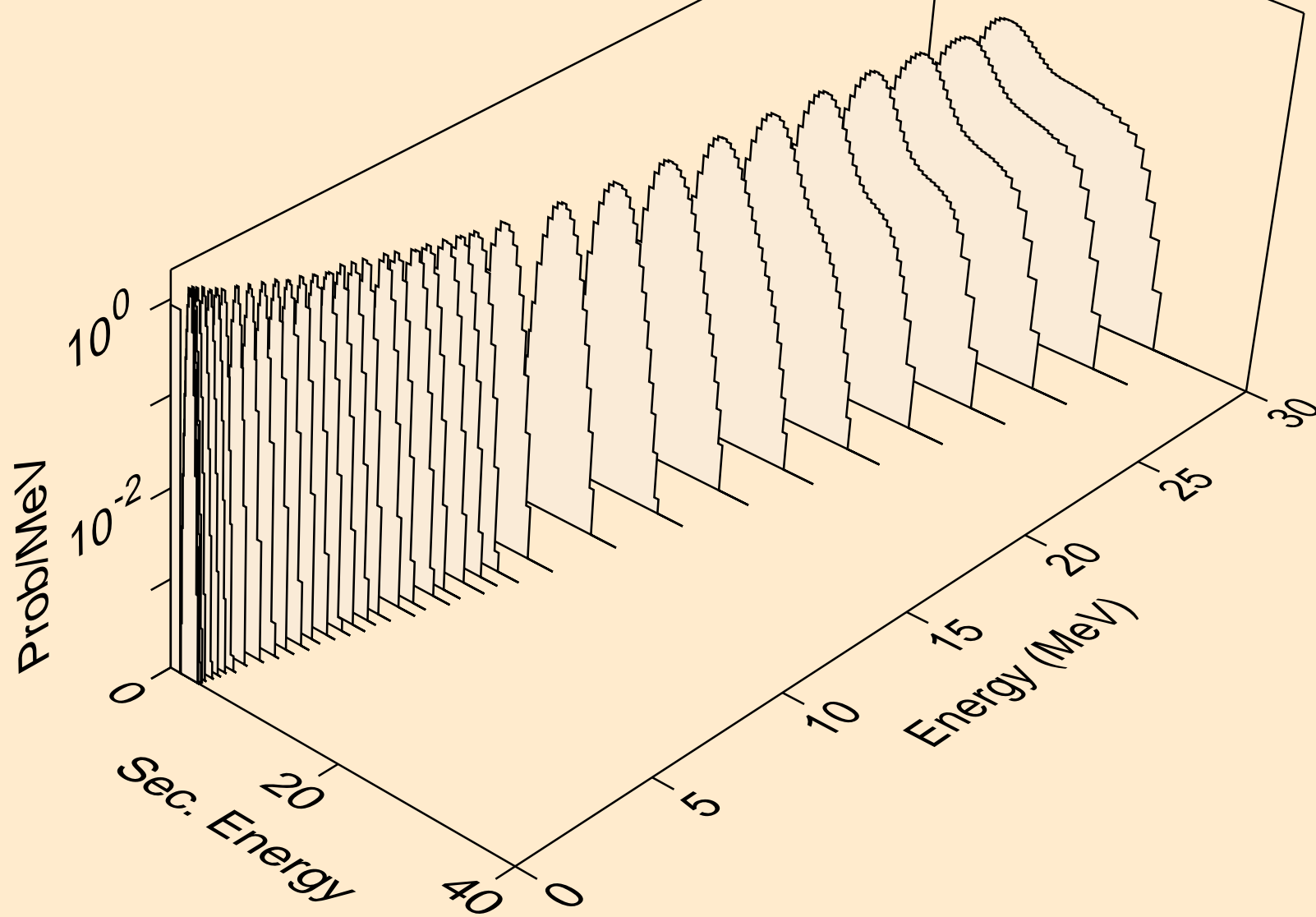
BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,npa)



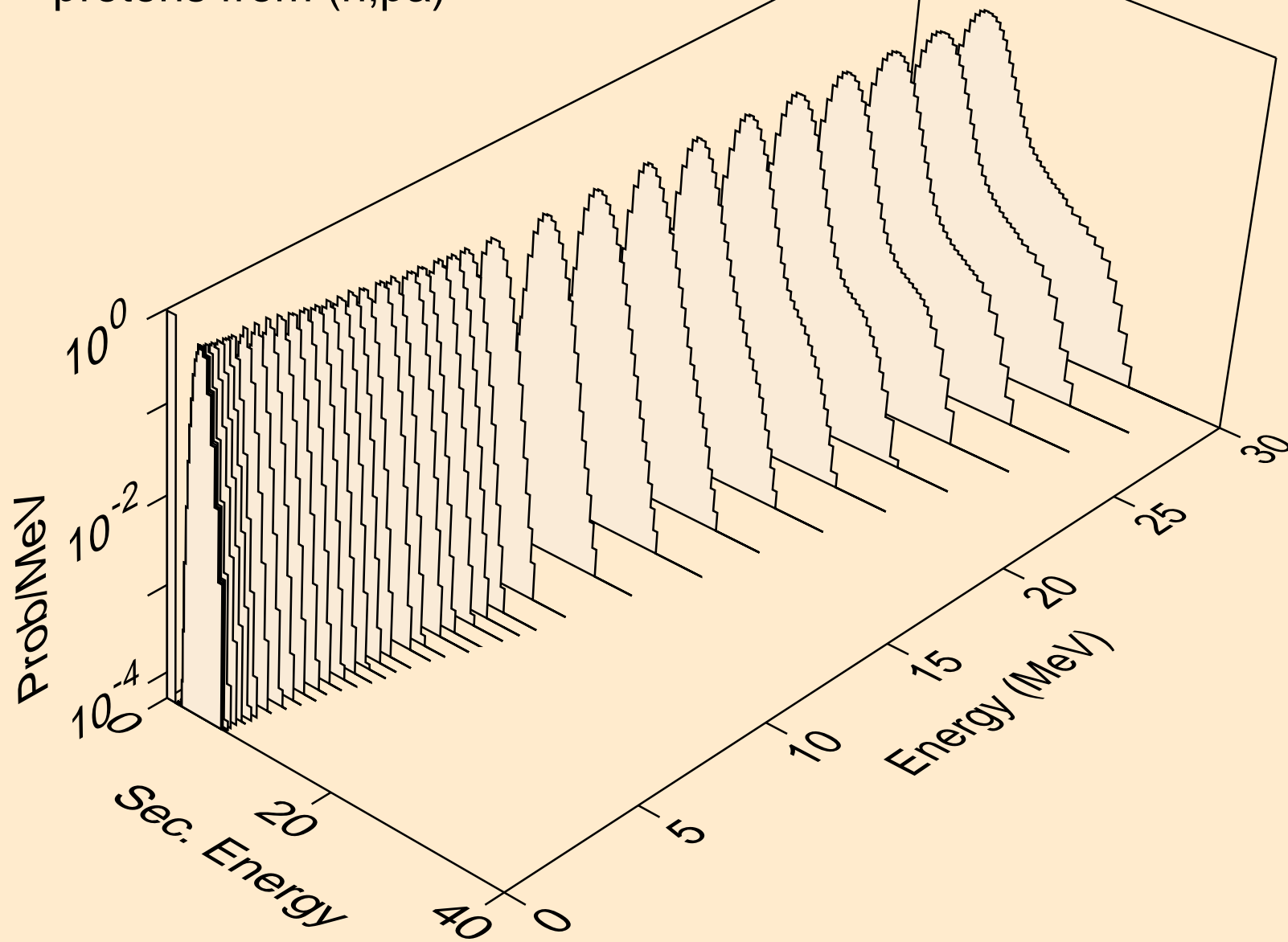
BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,p)



BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,2p)

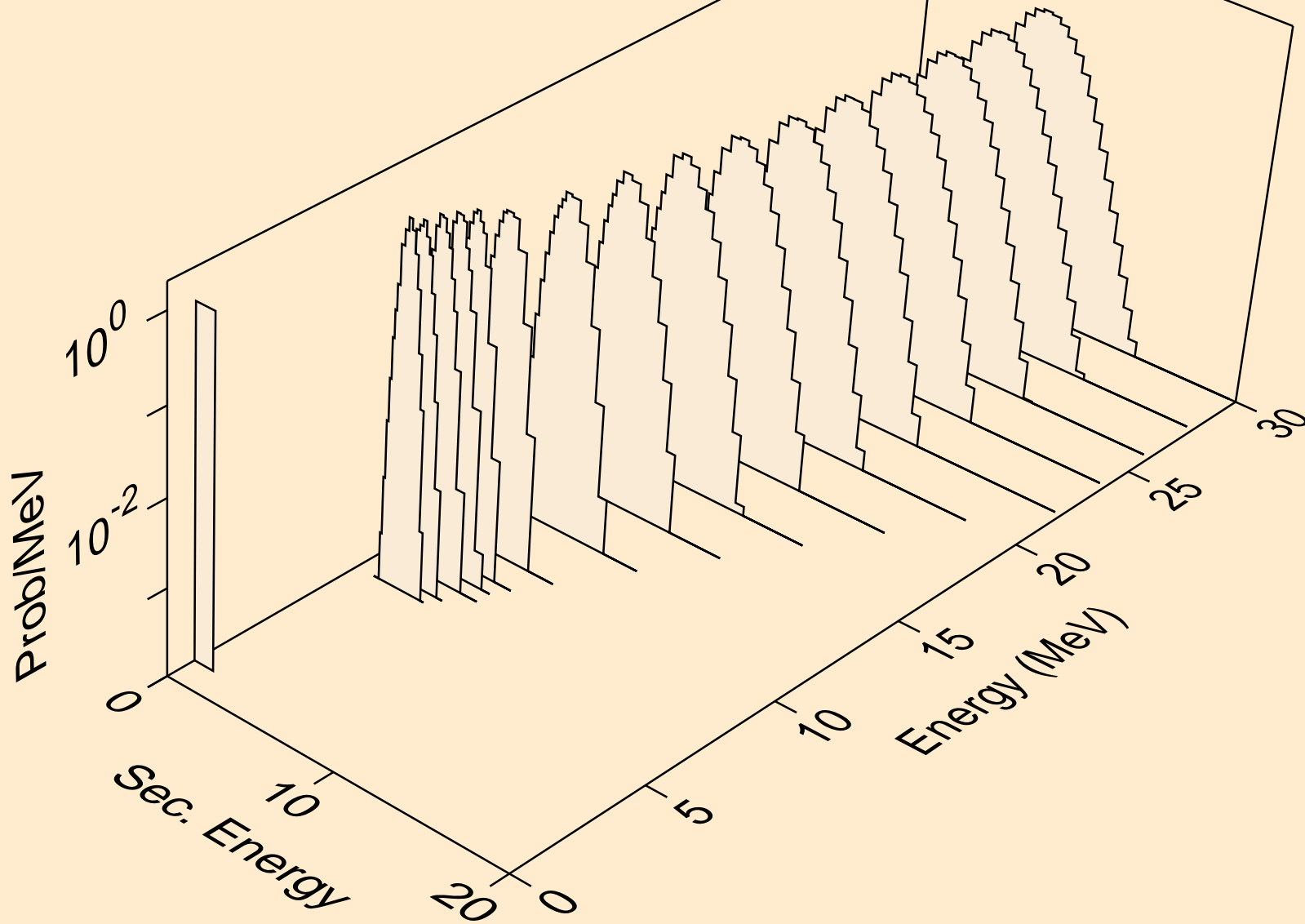


BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,p)

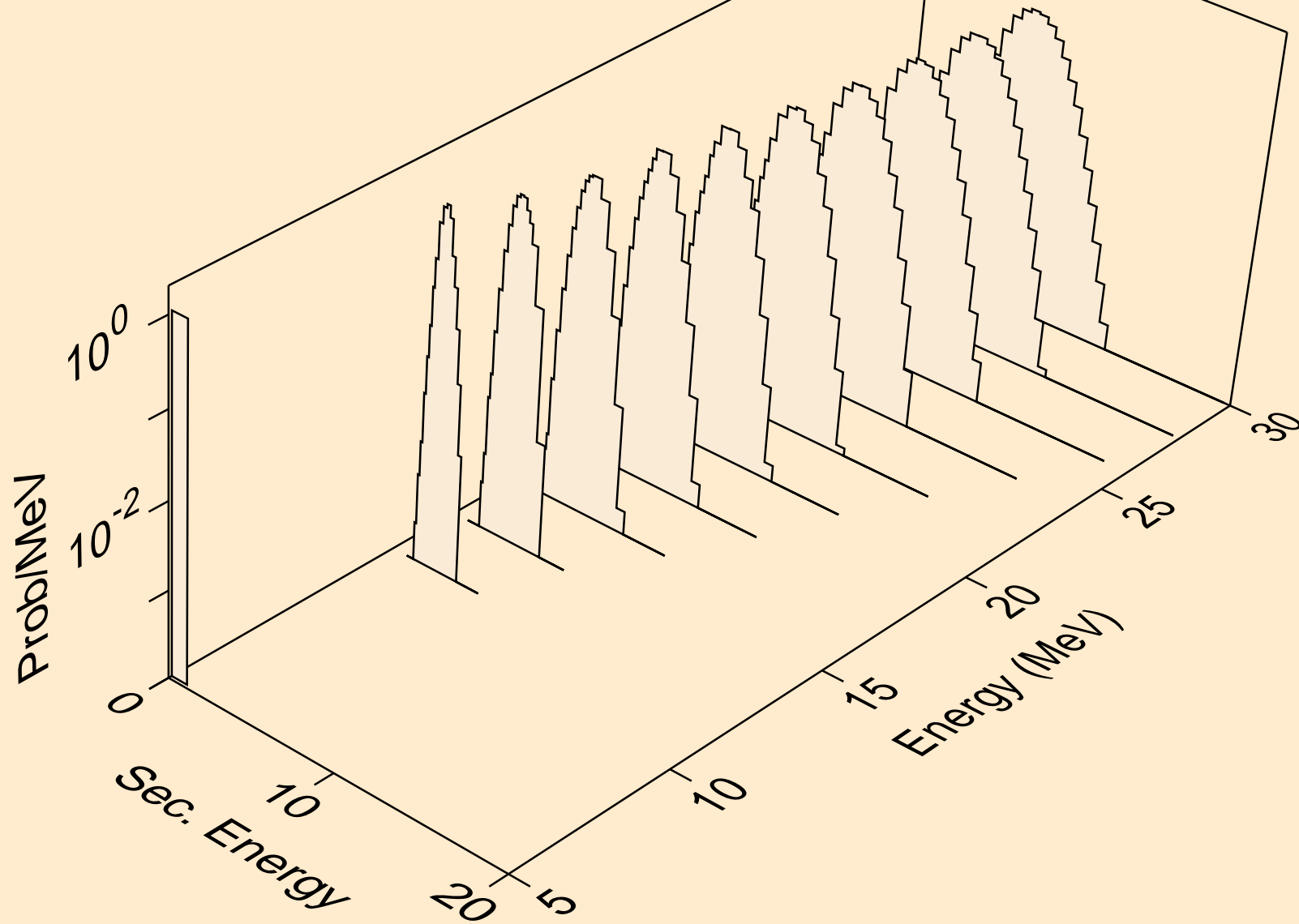




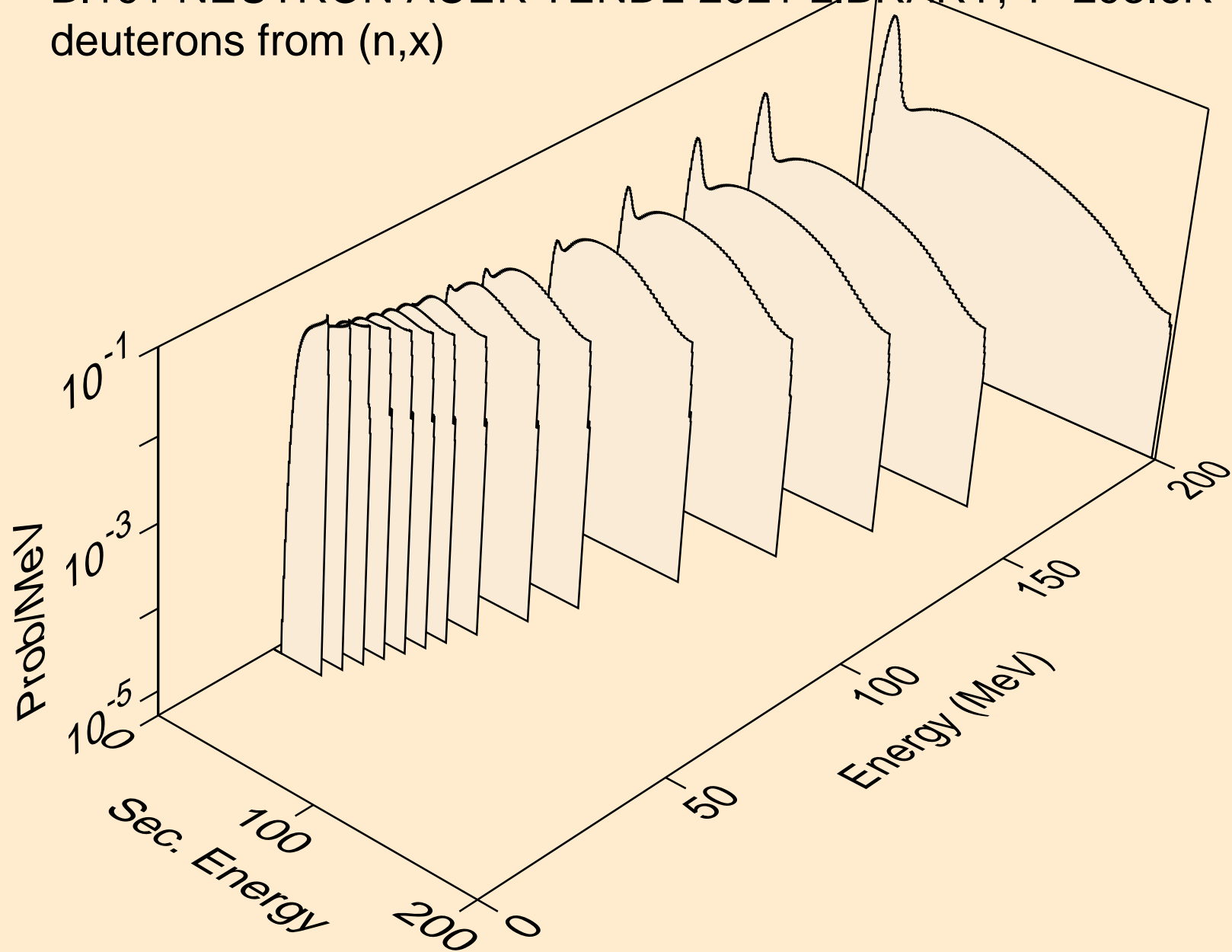
BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,pd)



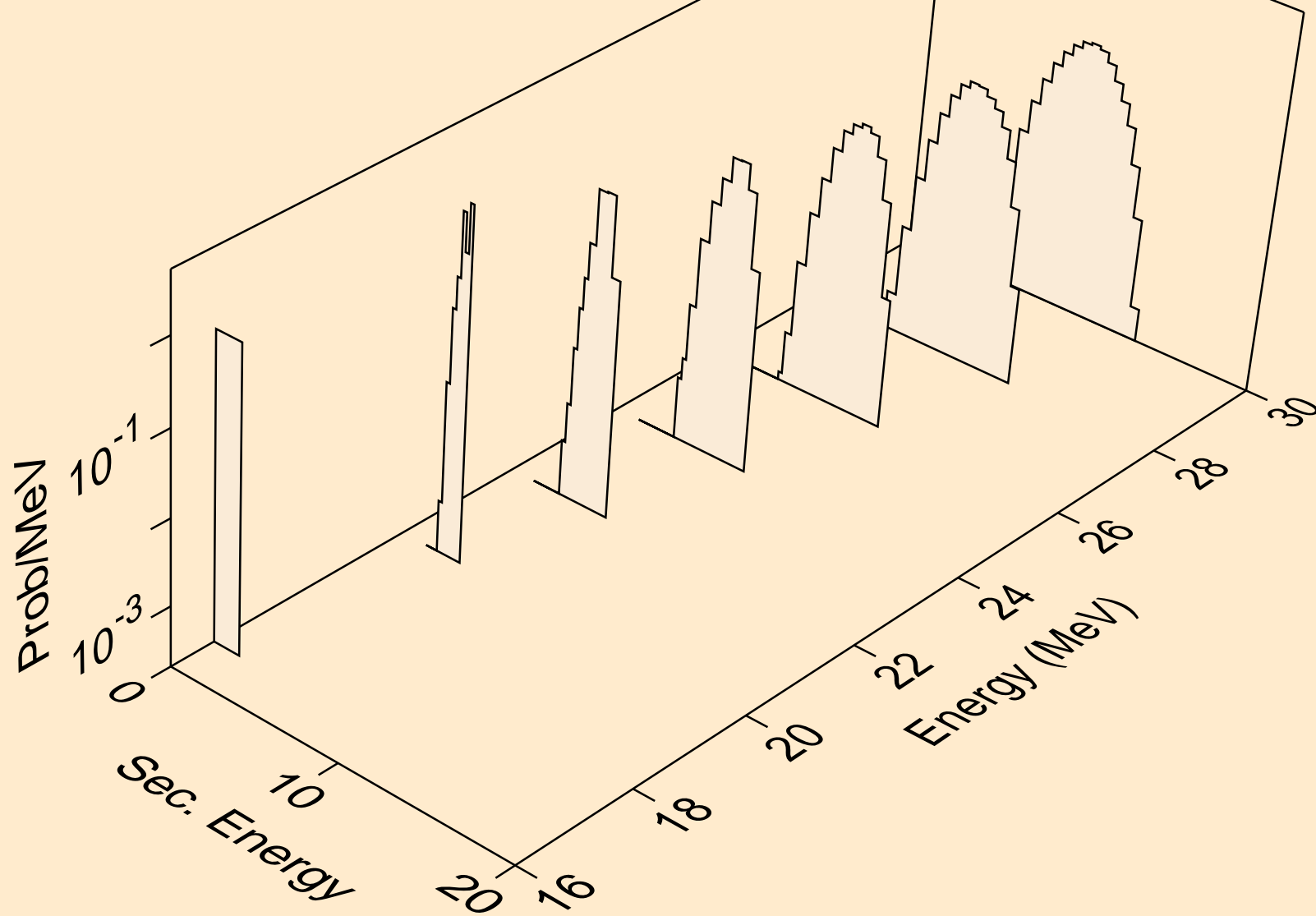
BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,pt)



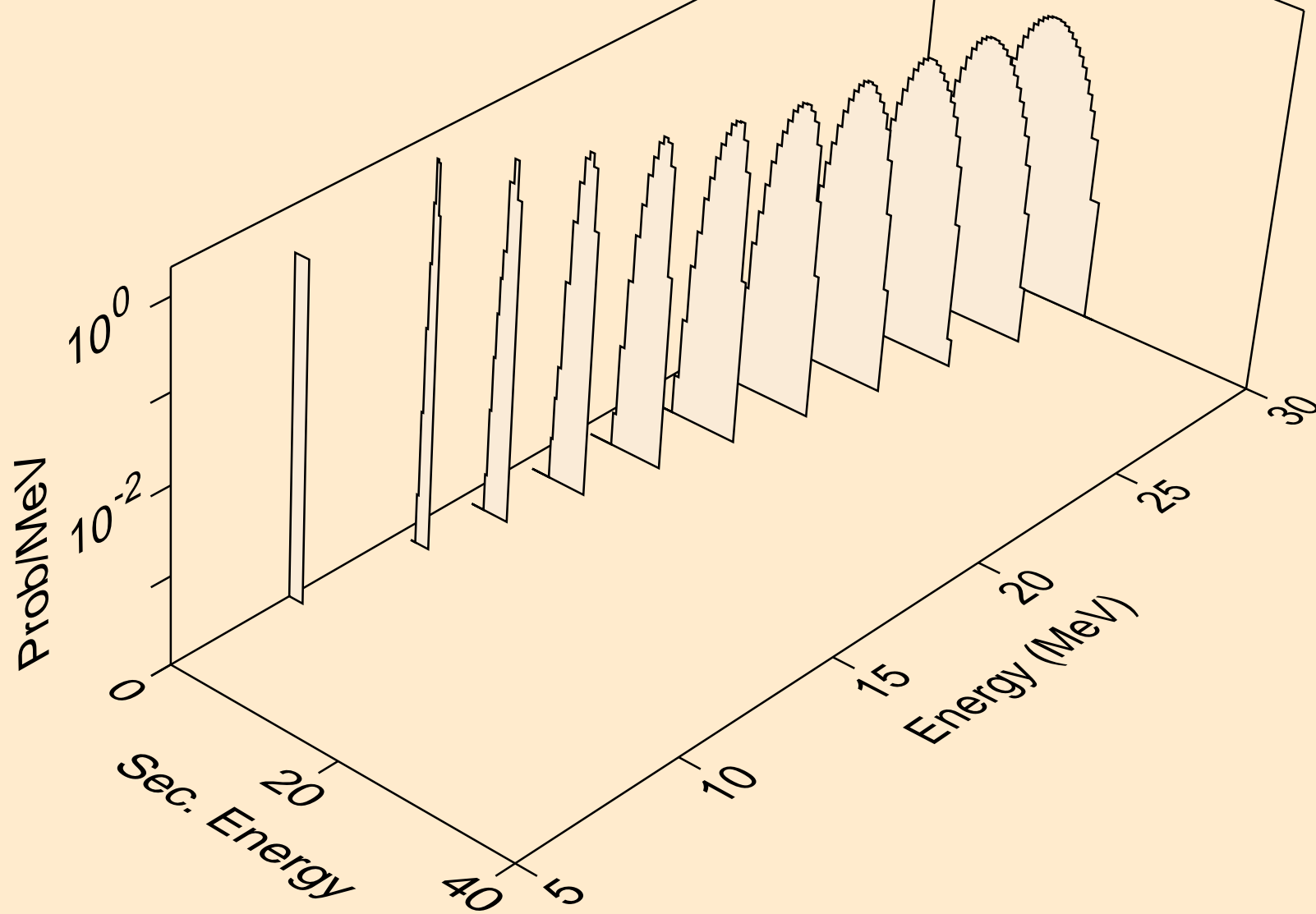
BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,x)



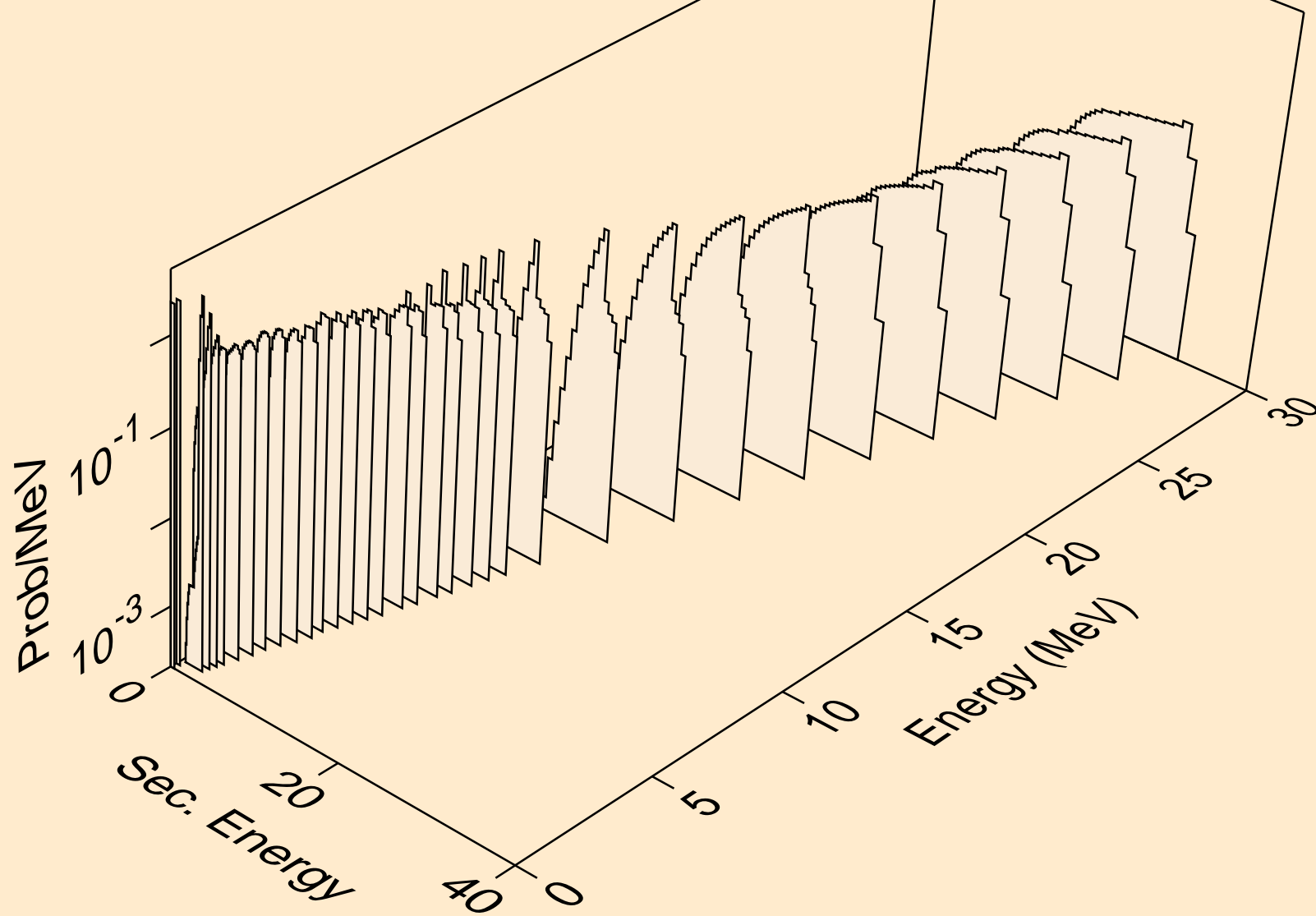
BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,2nd)



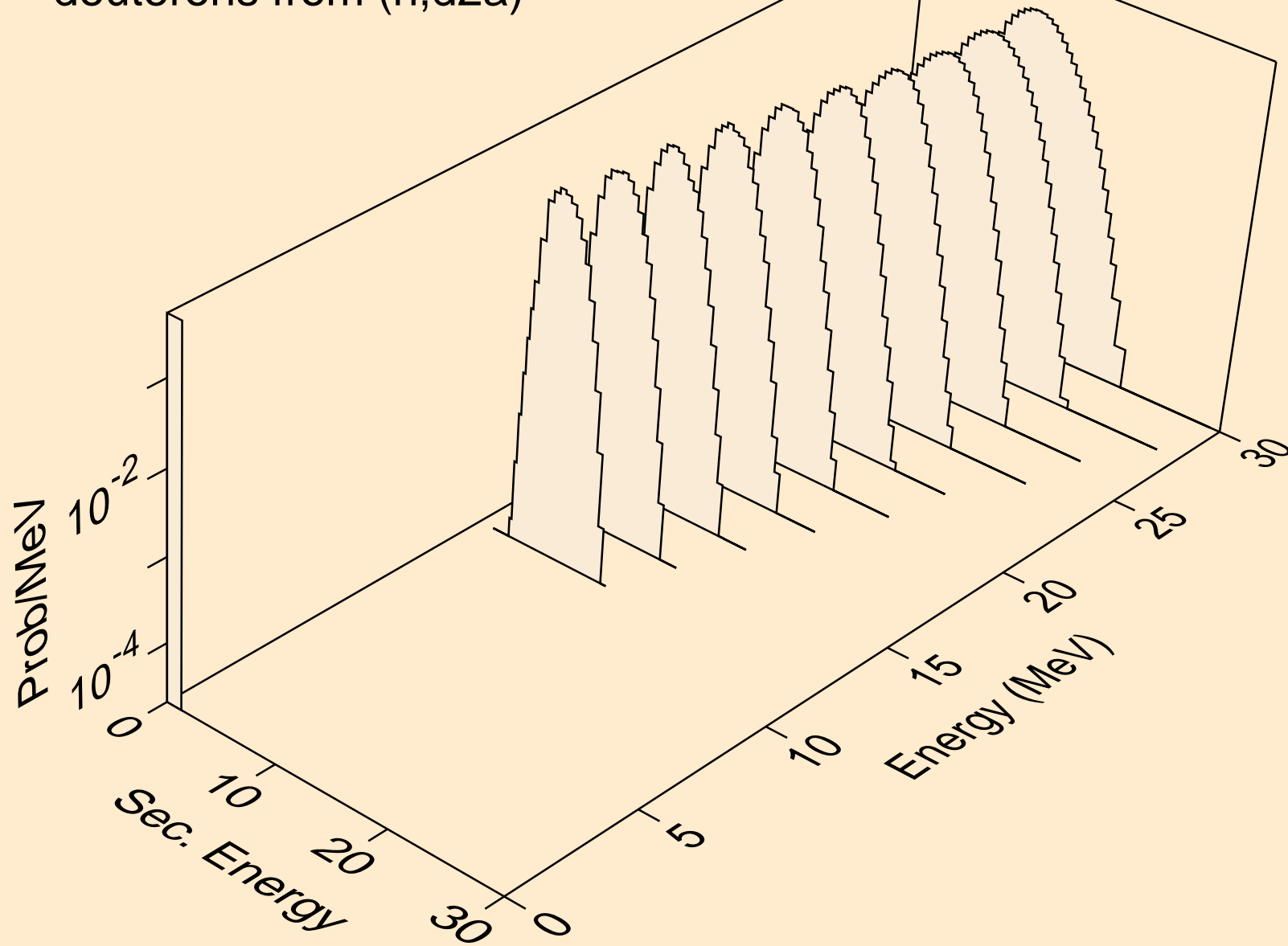
BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,n\*)d



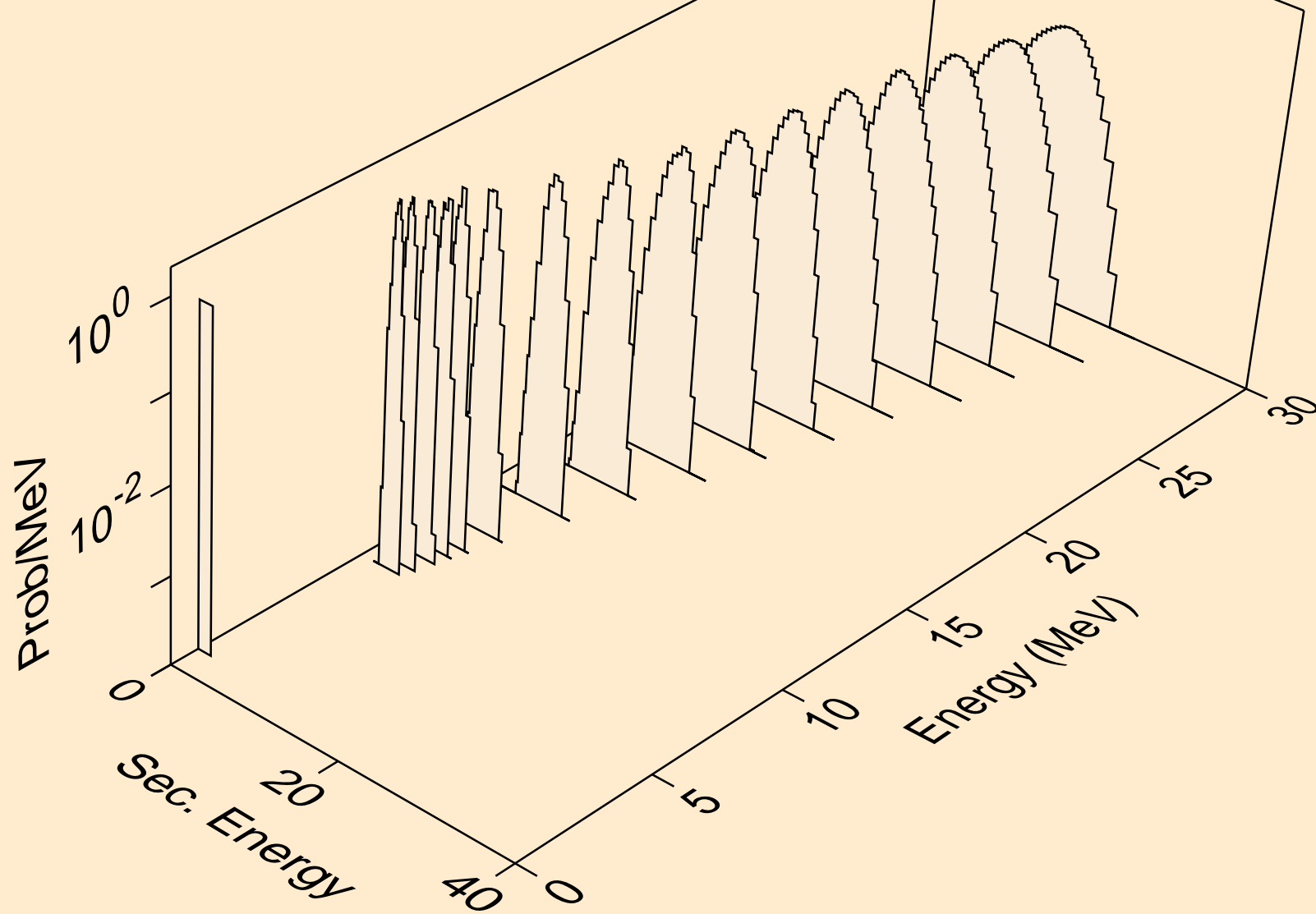
BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,d)



BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,d2a)

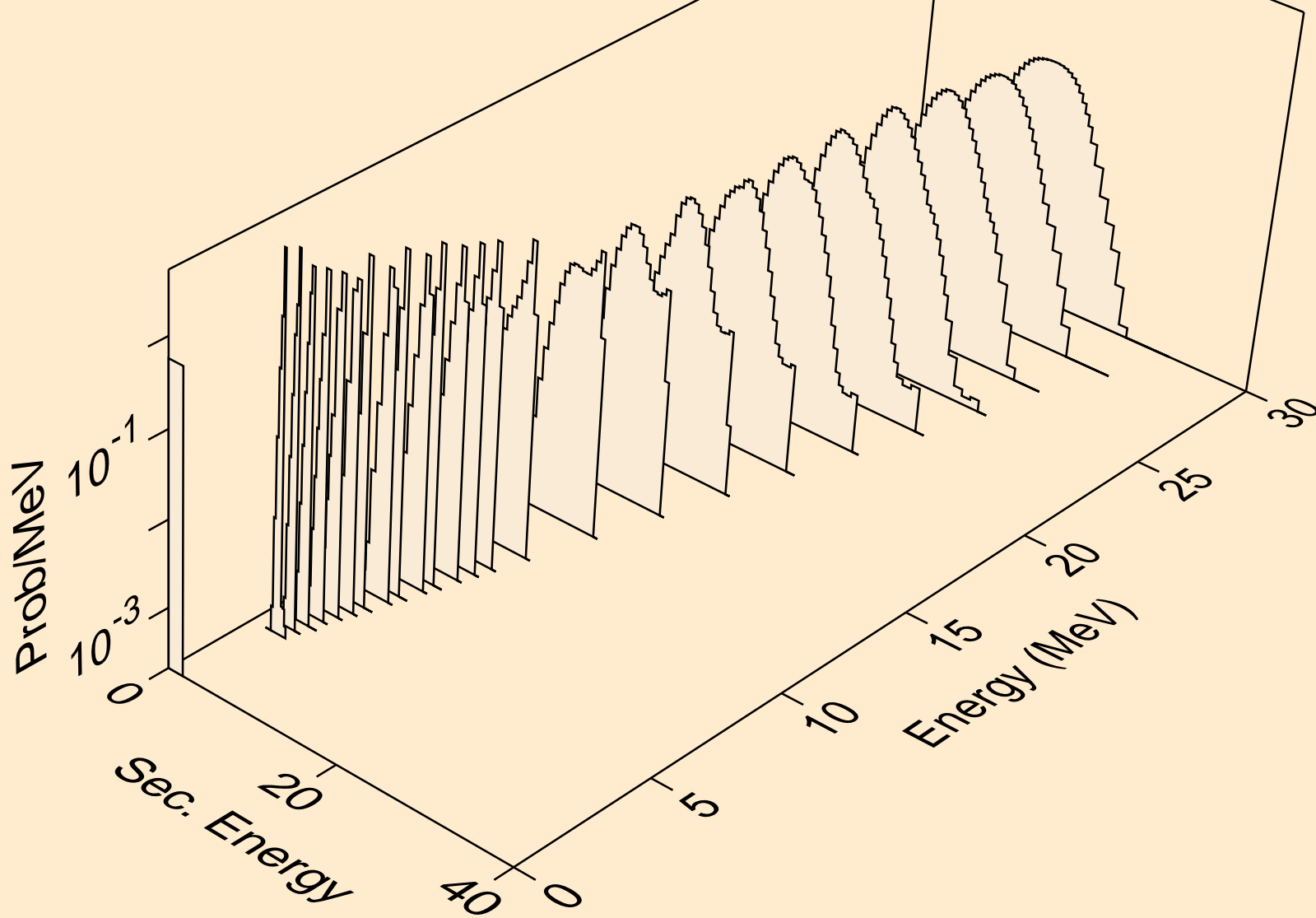


BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,pd)

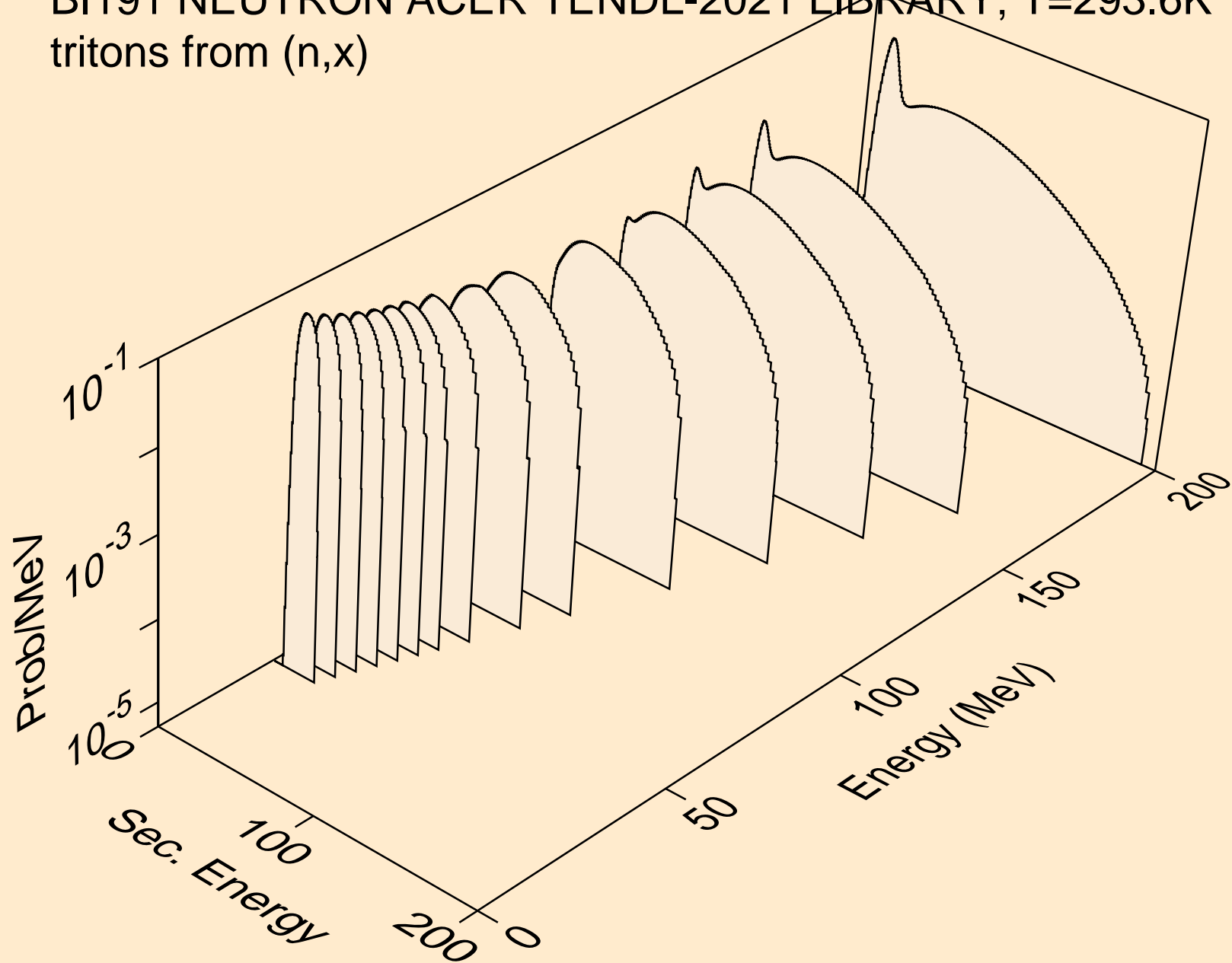




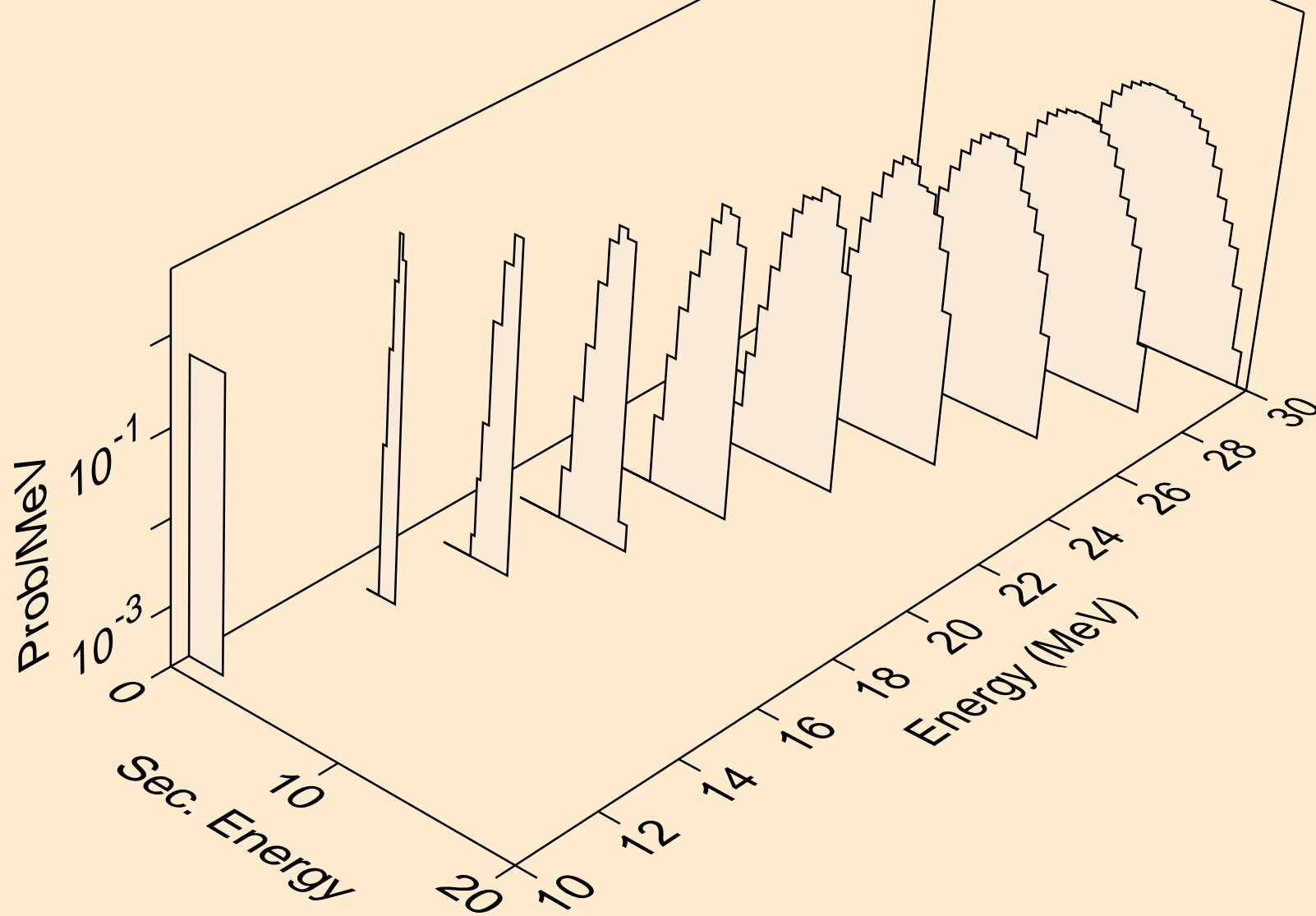
BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,da)



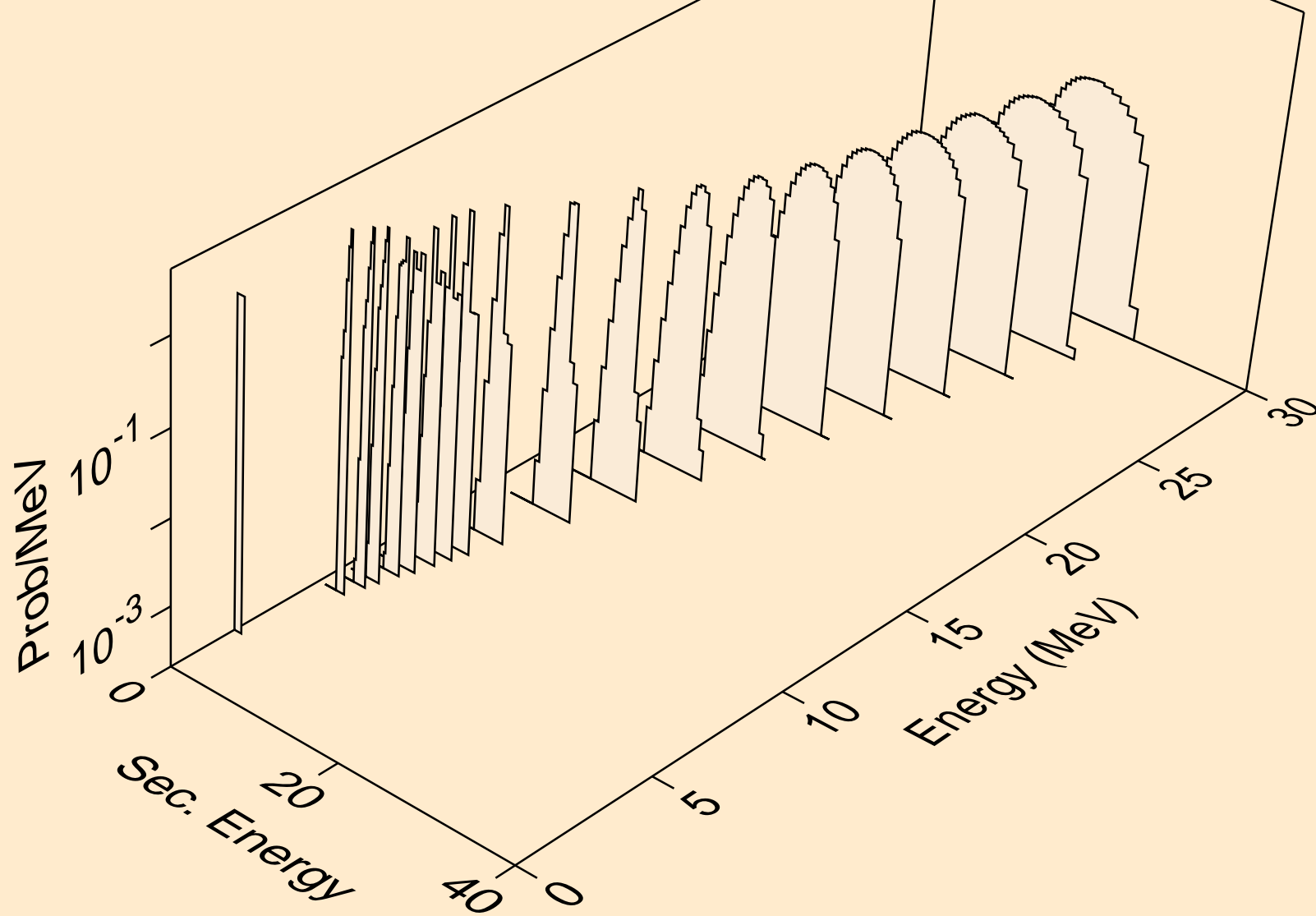
BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,x)



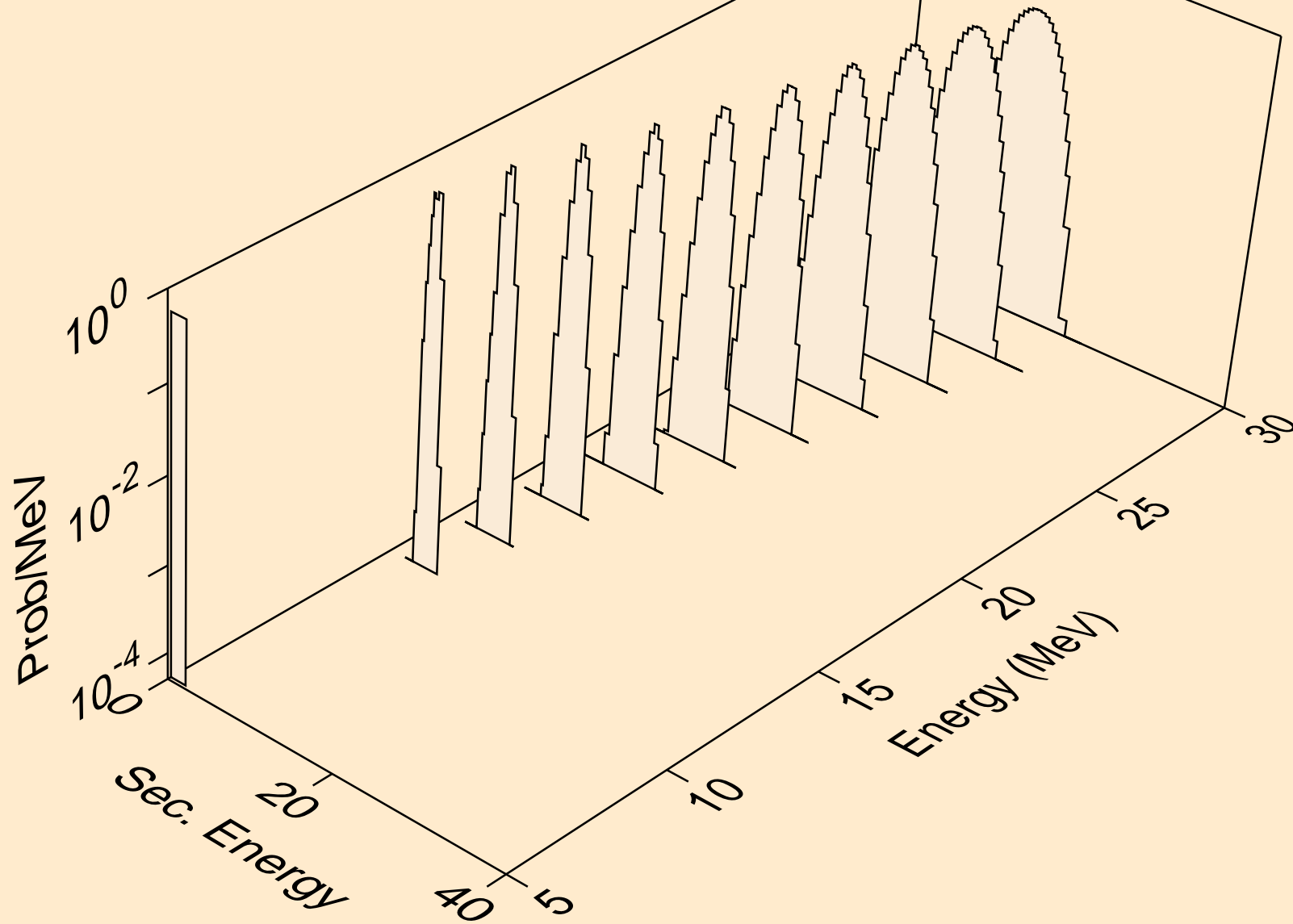
BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,n\*)t



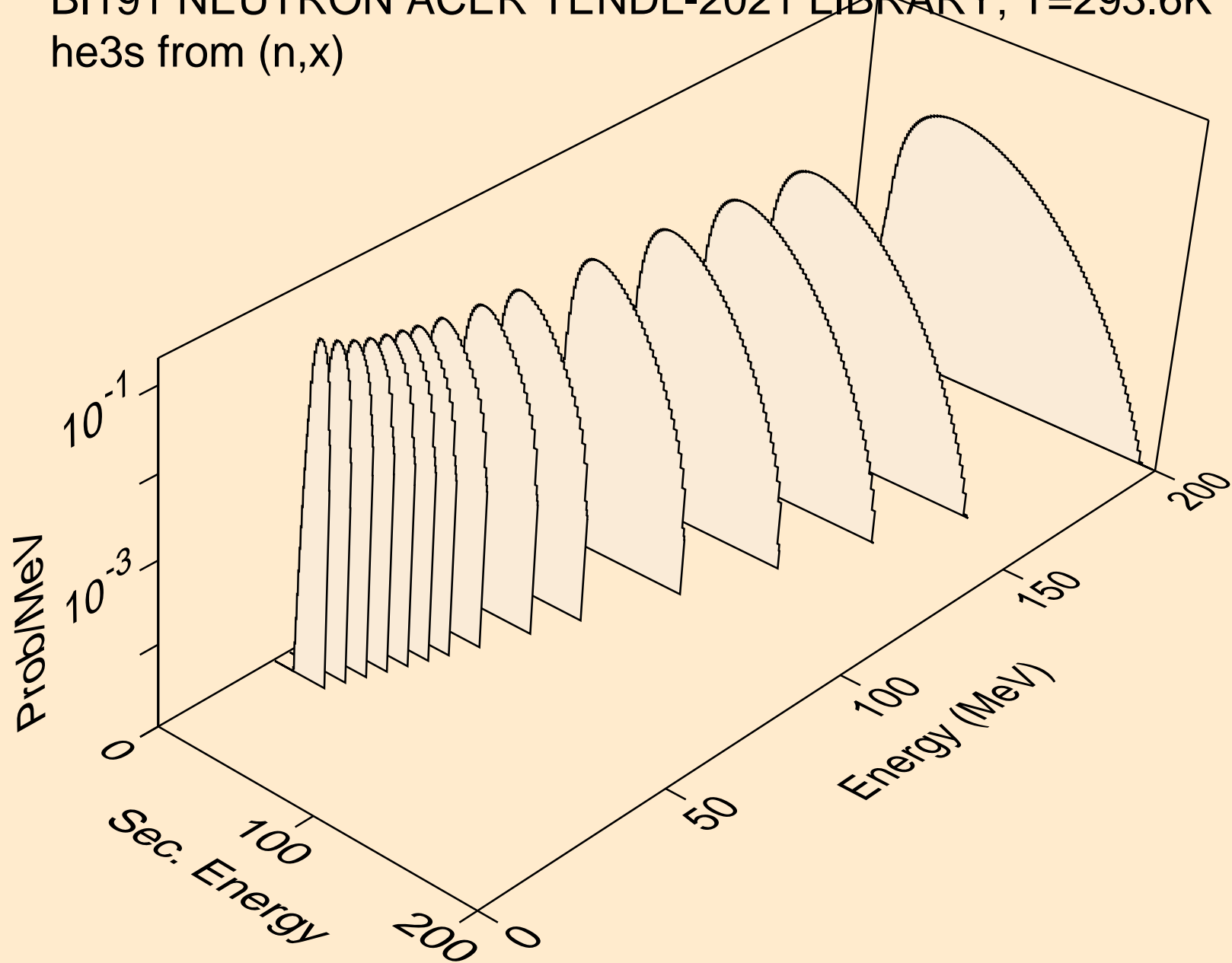
BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,t)



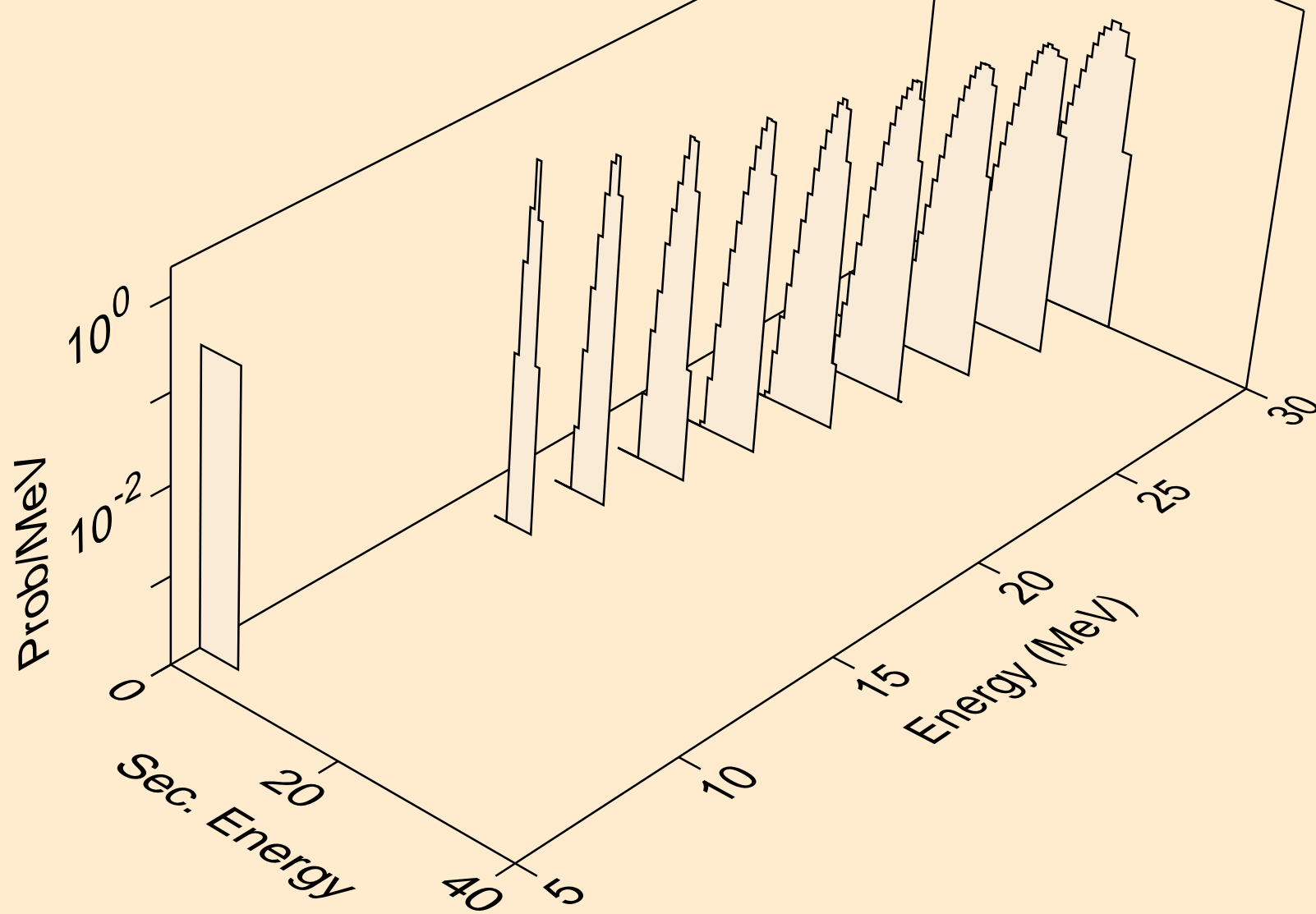
BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,pt)



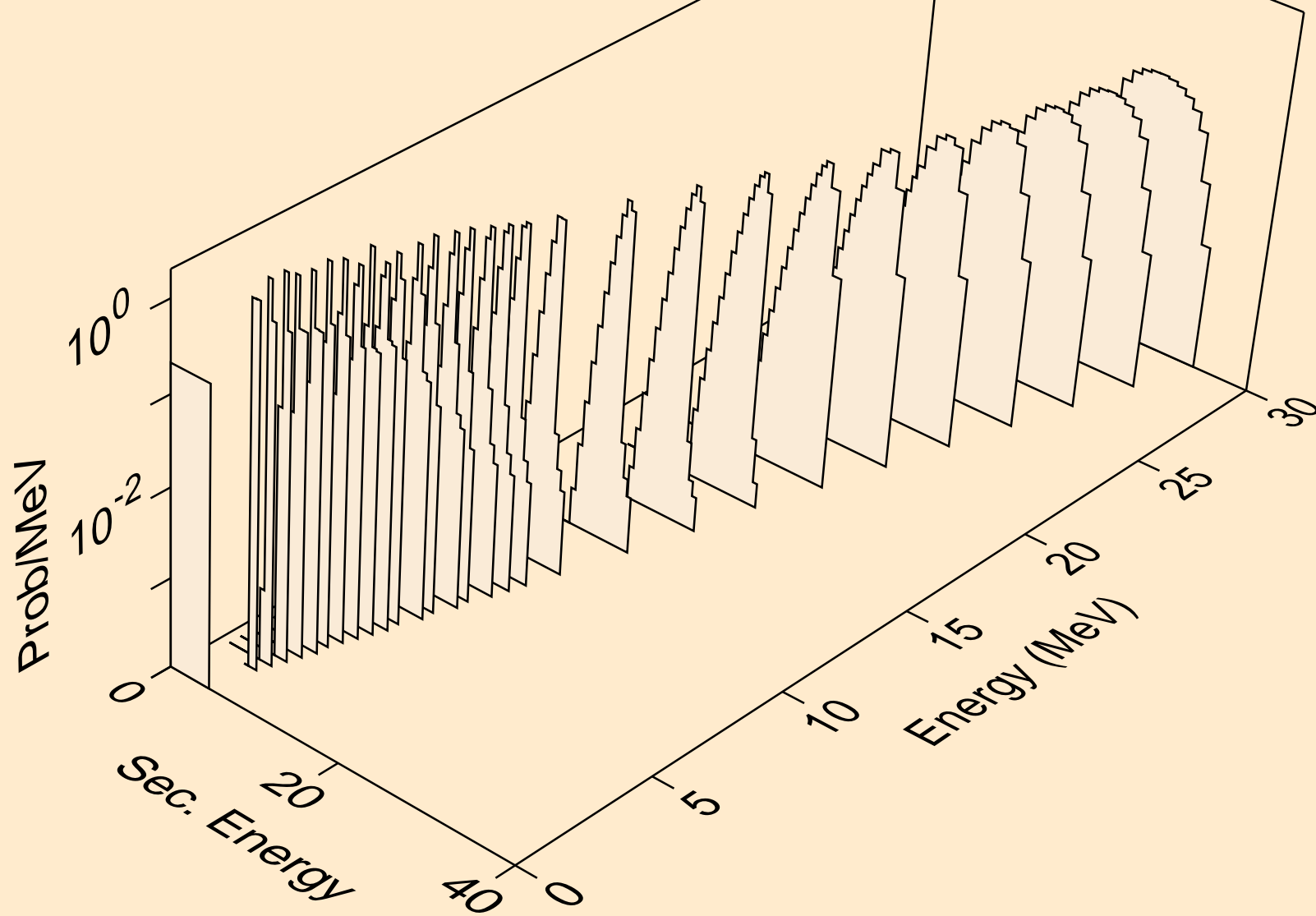
BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
he3s from (n,x)



BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
he3s from (n,n\*)he3

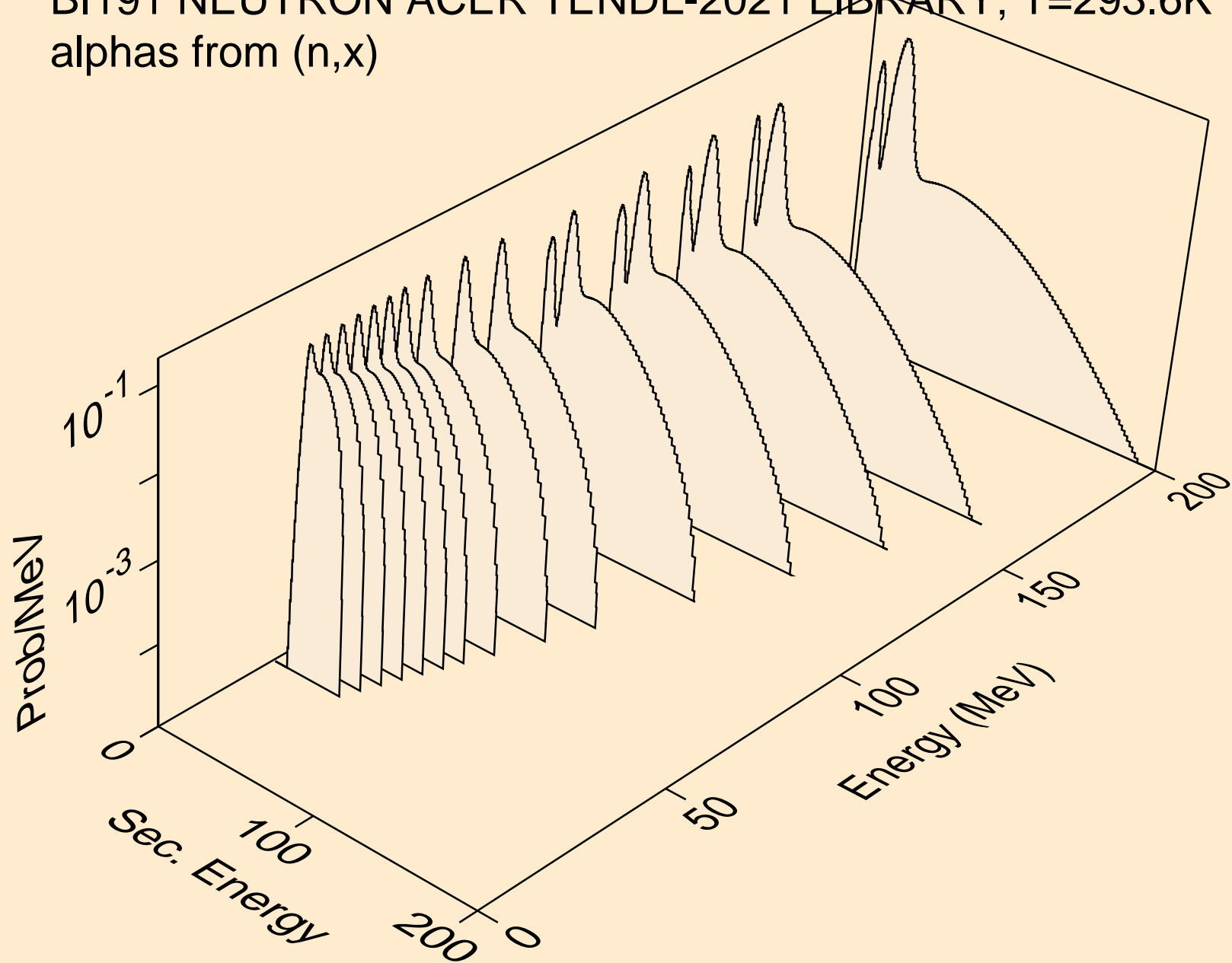


BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
he3s from (n,he3)

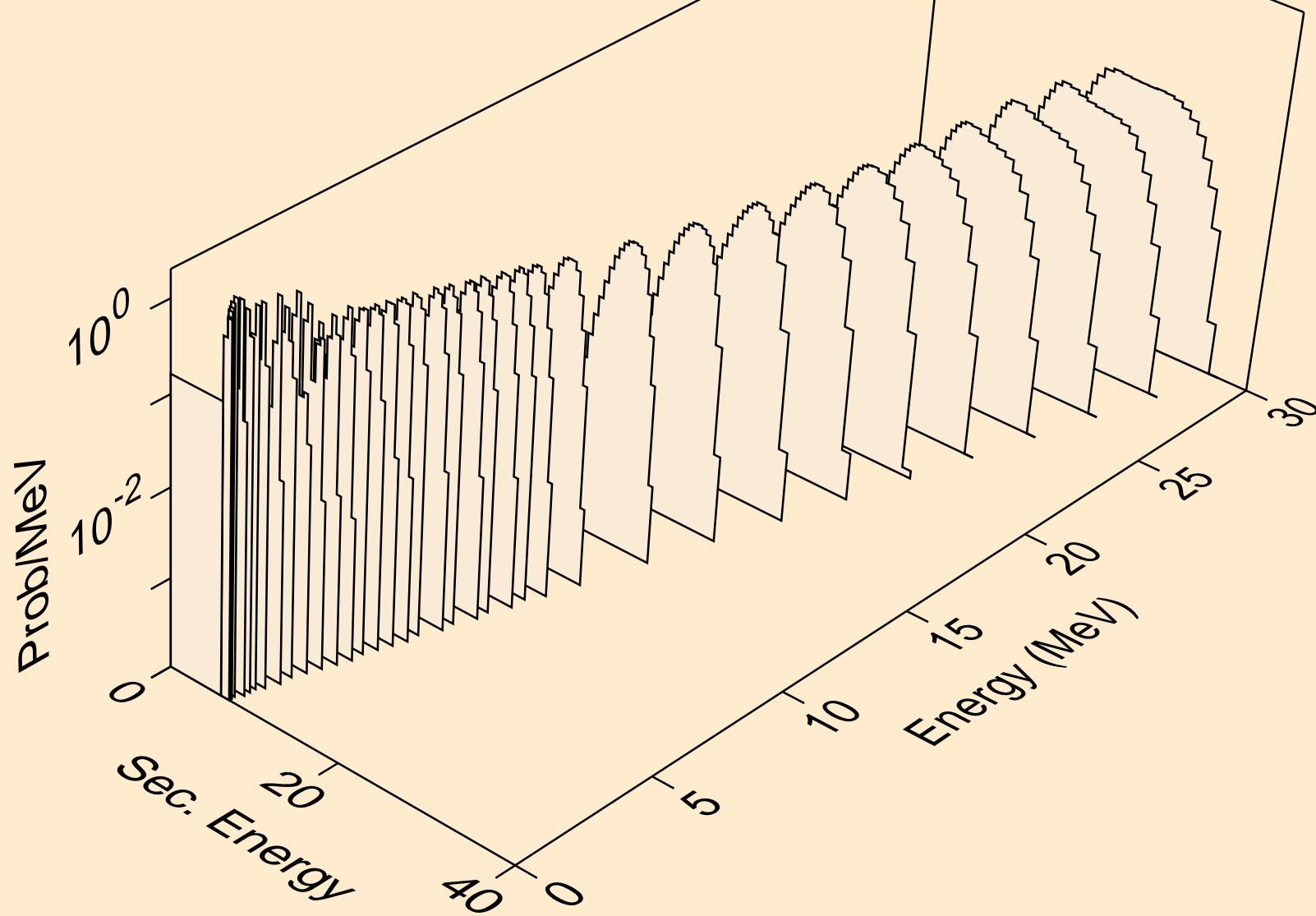




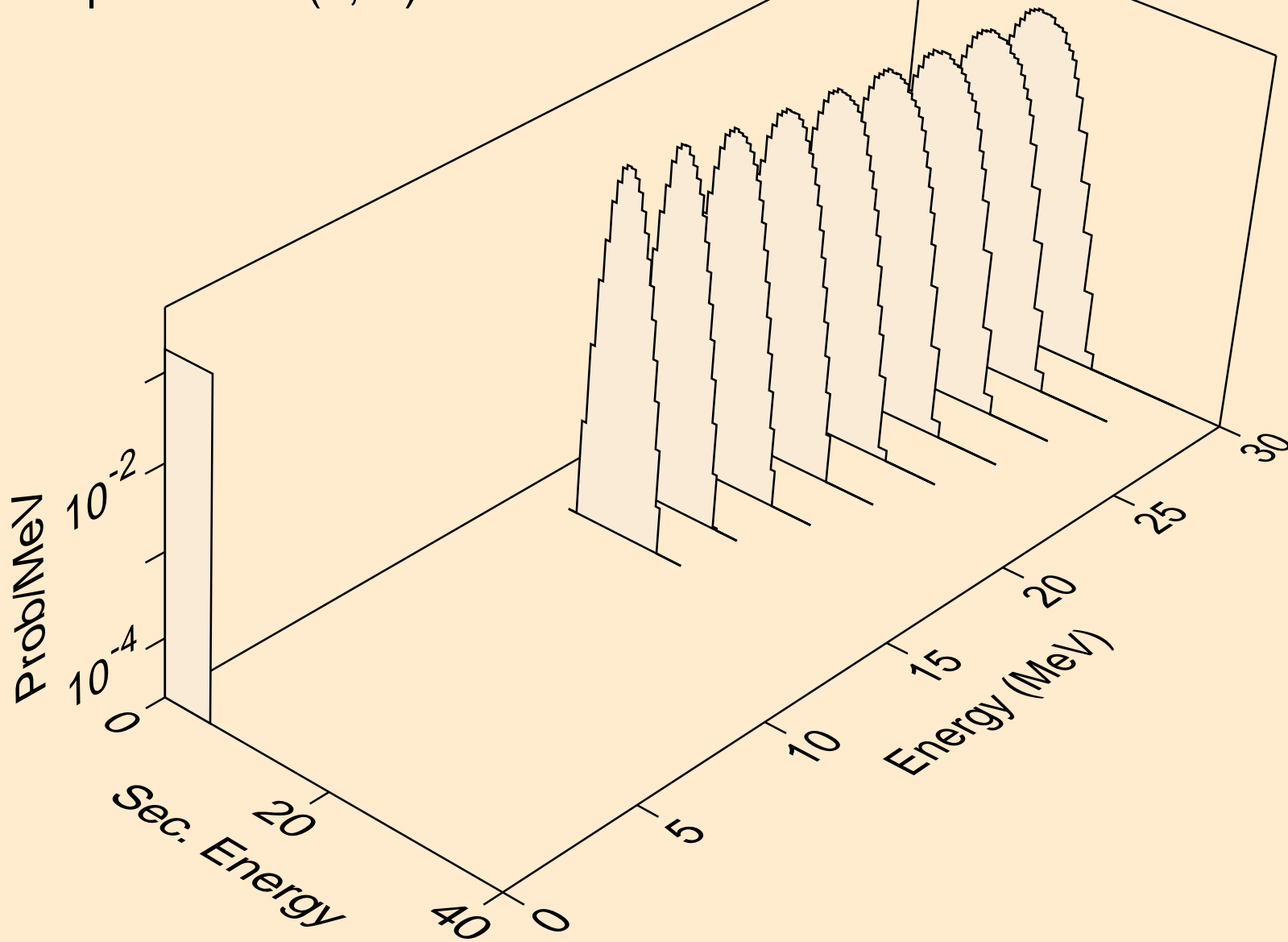
BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,x)



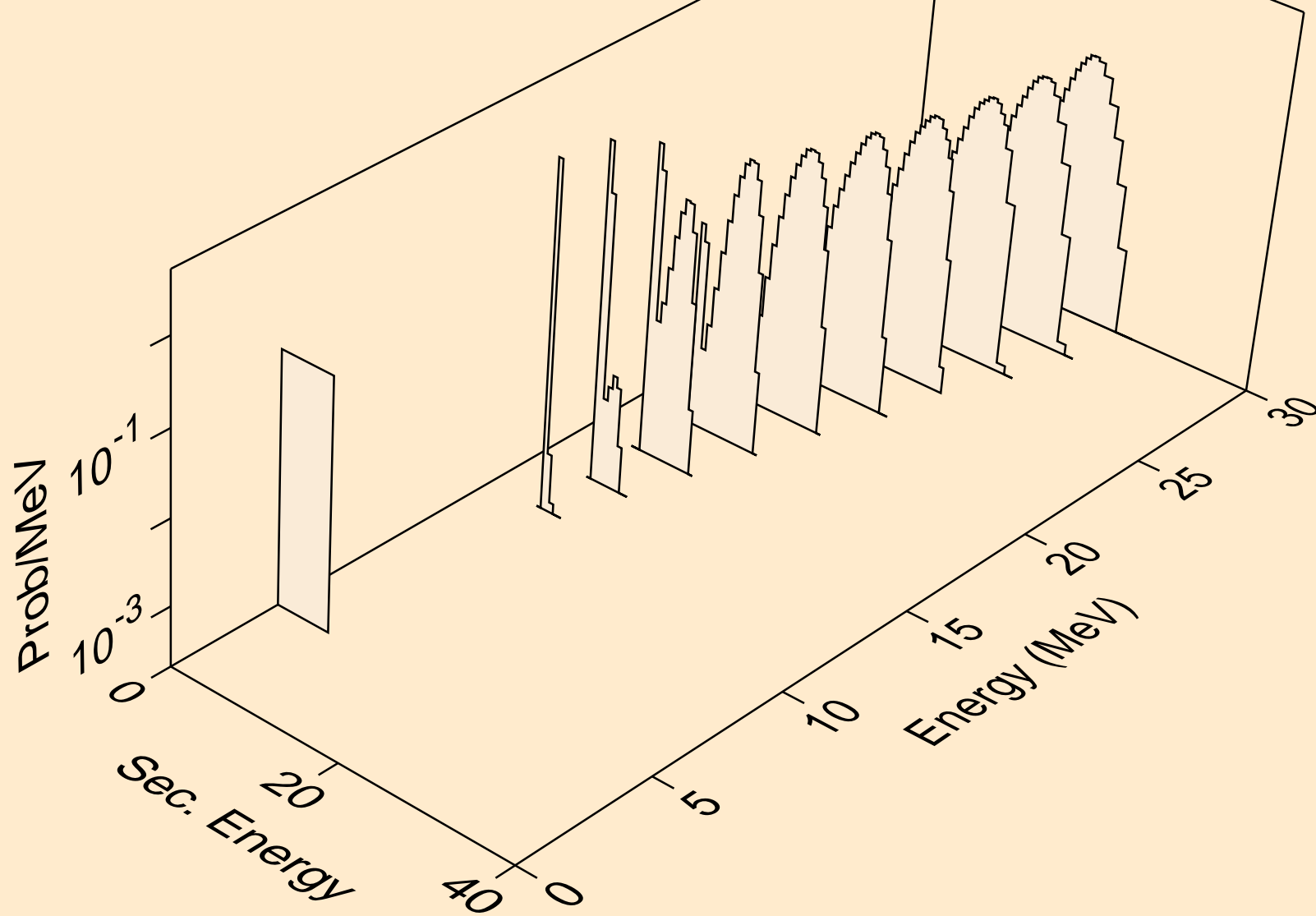
BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,n\*)a



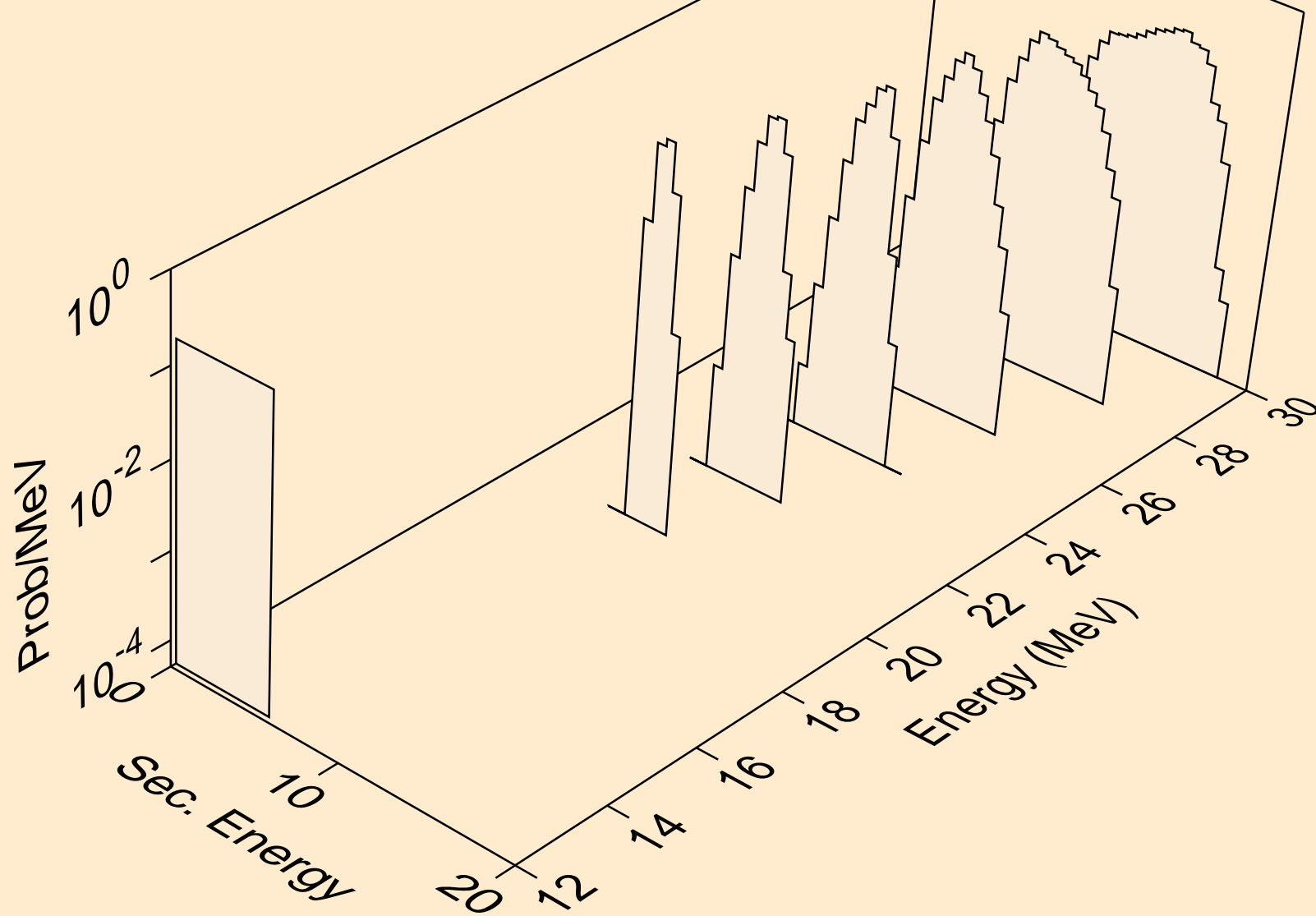
BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,n\*)3a



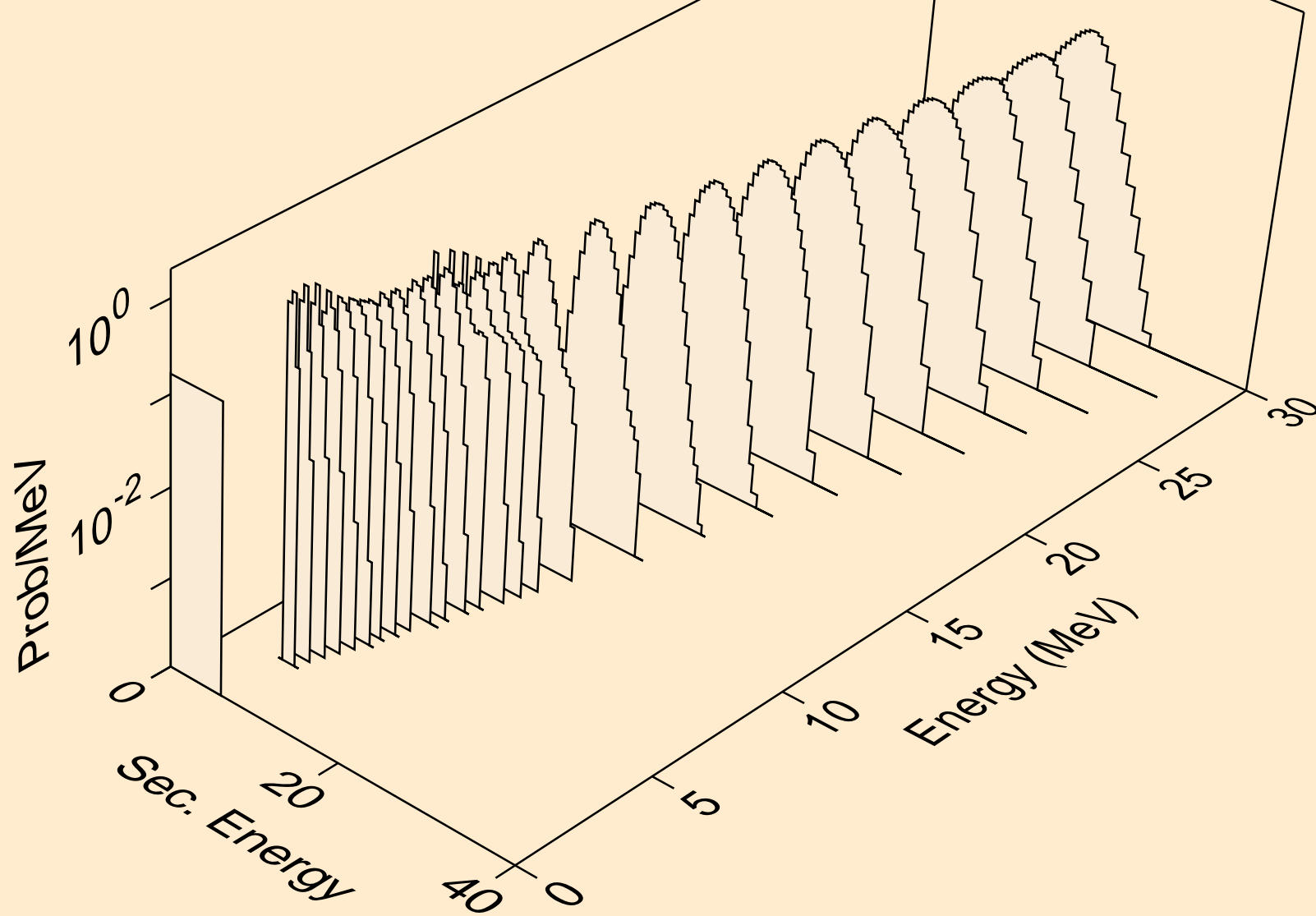
BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2n)a



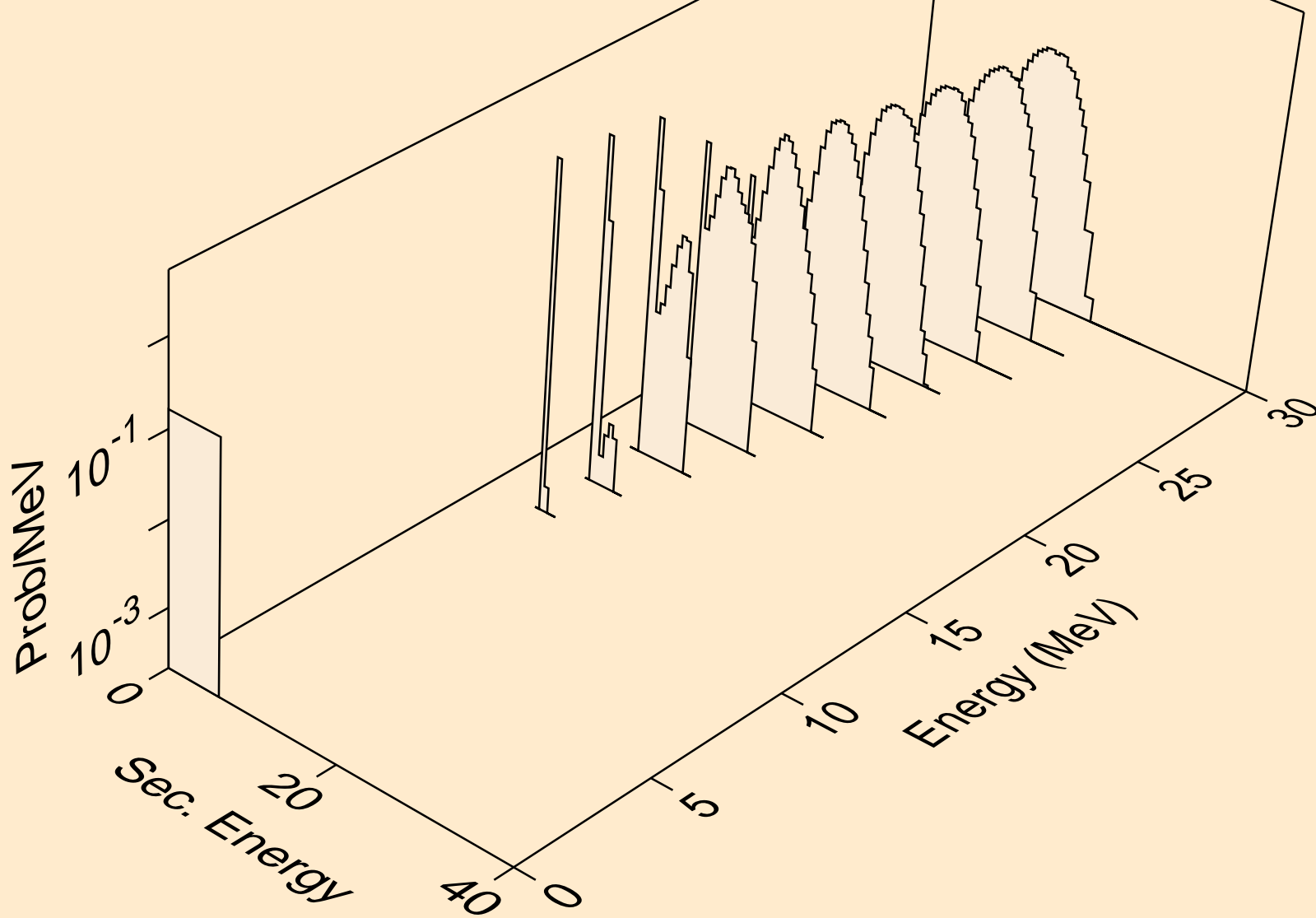
BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,3n)a



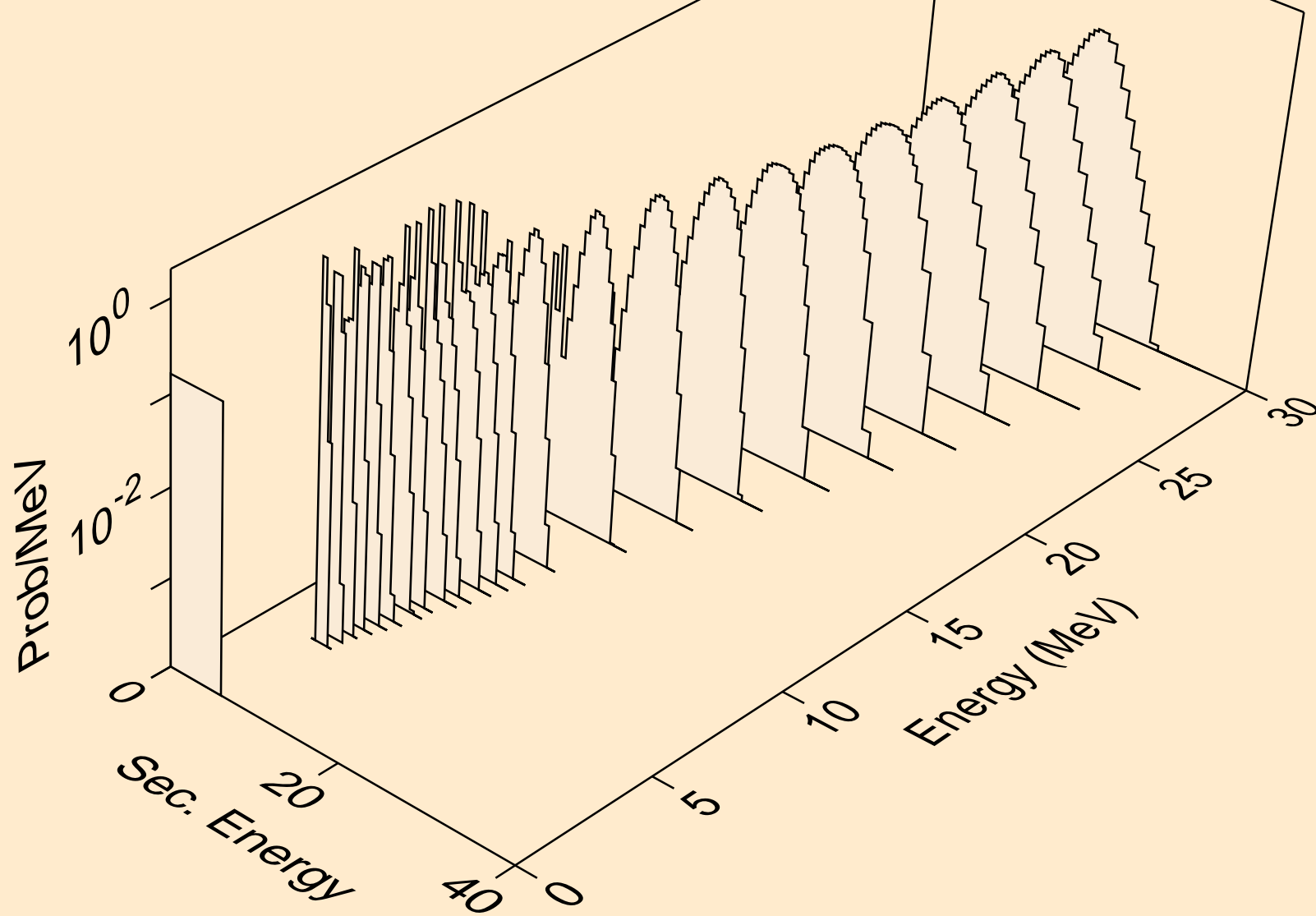
BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,n\*)2a



BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2n)2a

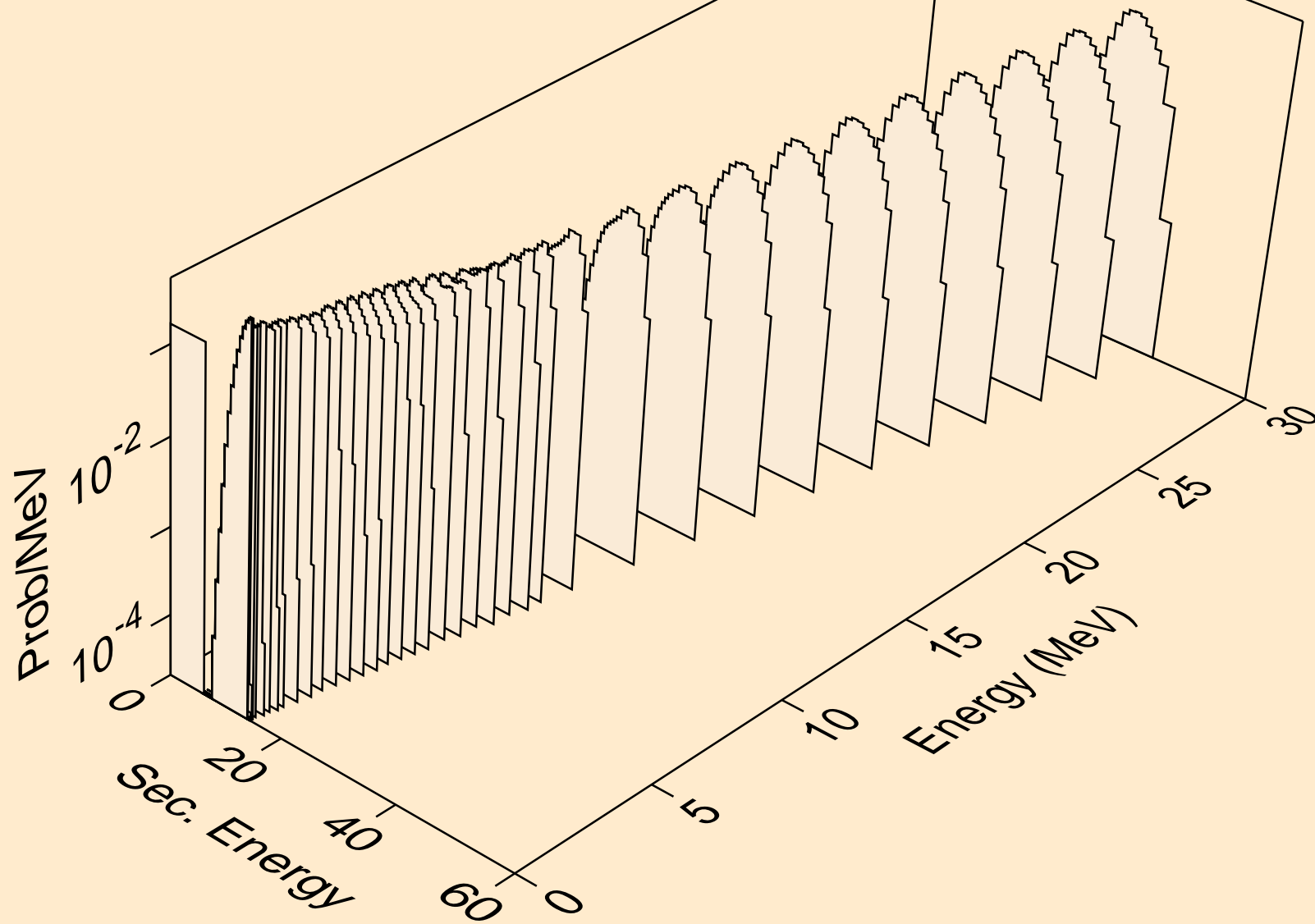


BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,npa)

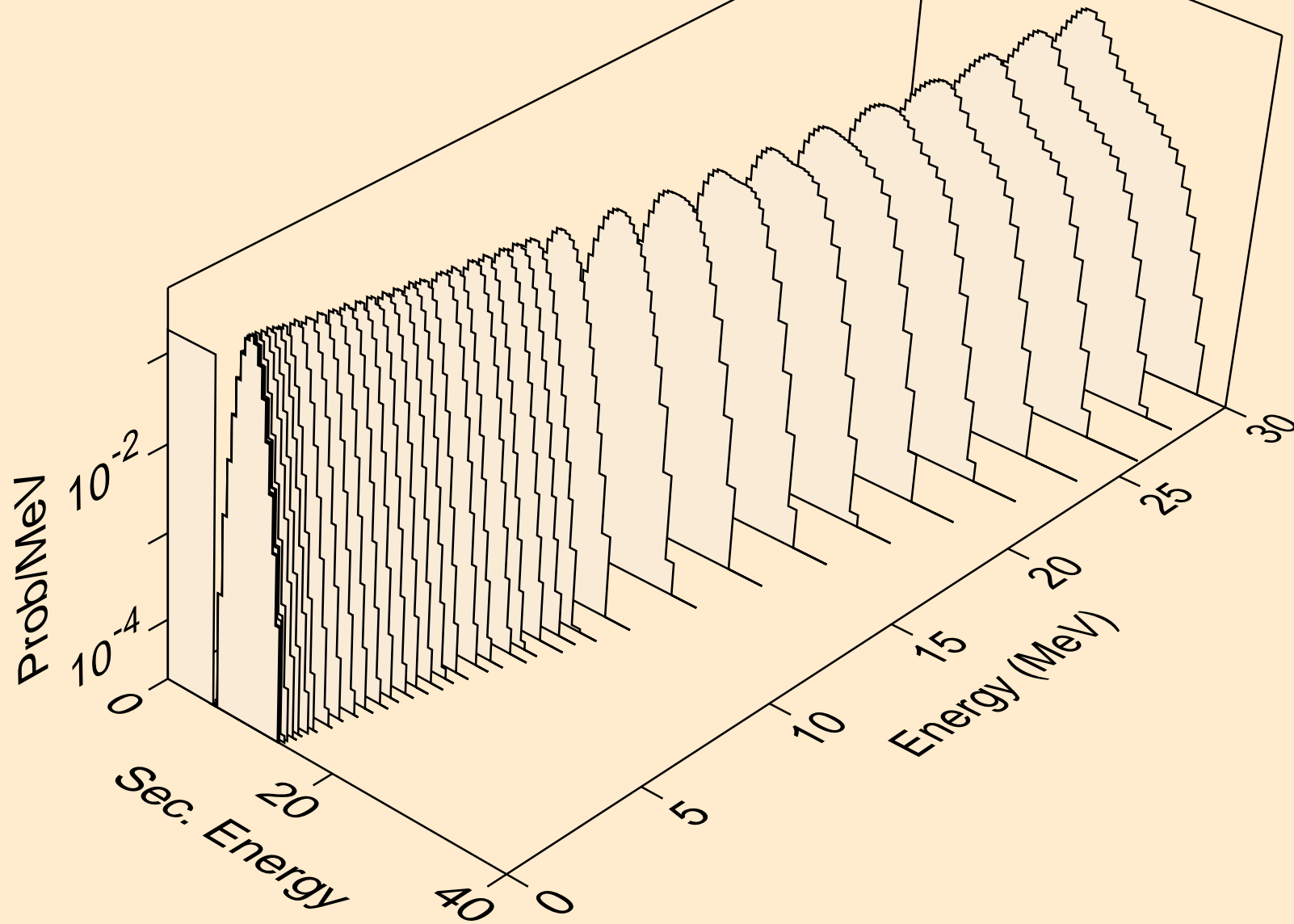




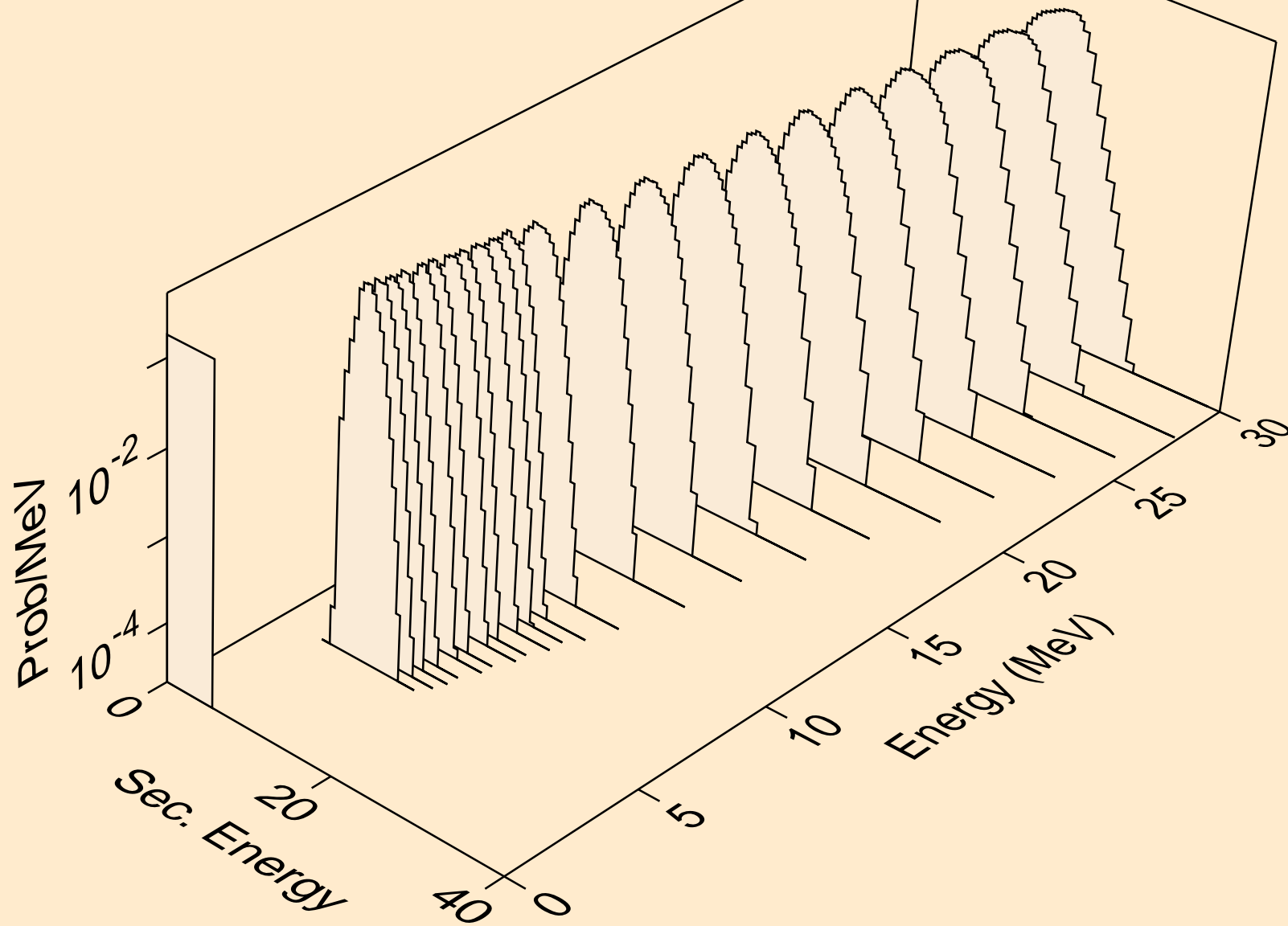
BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,a)



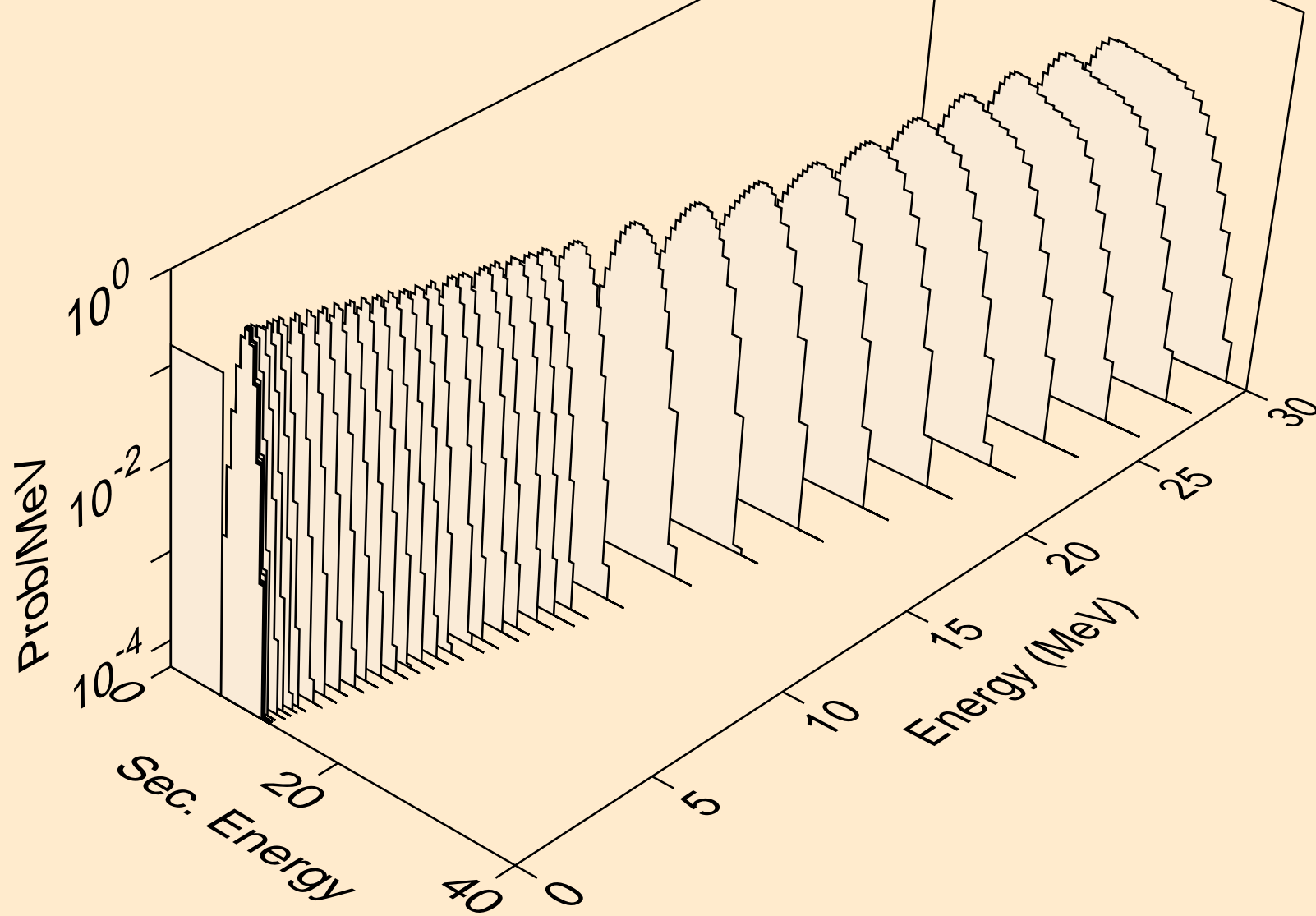
BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2a)



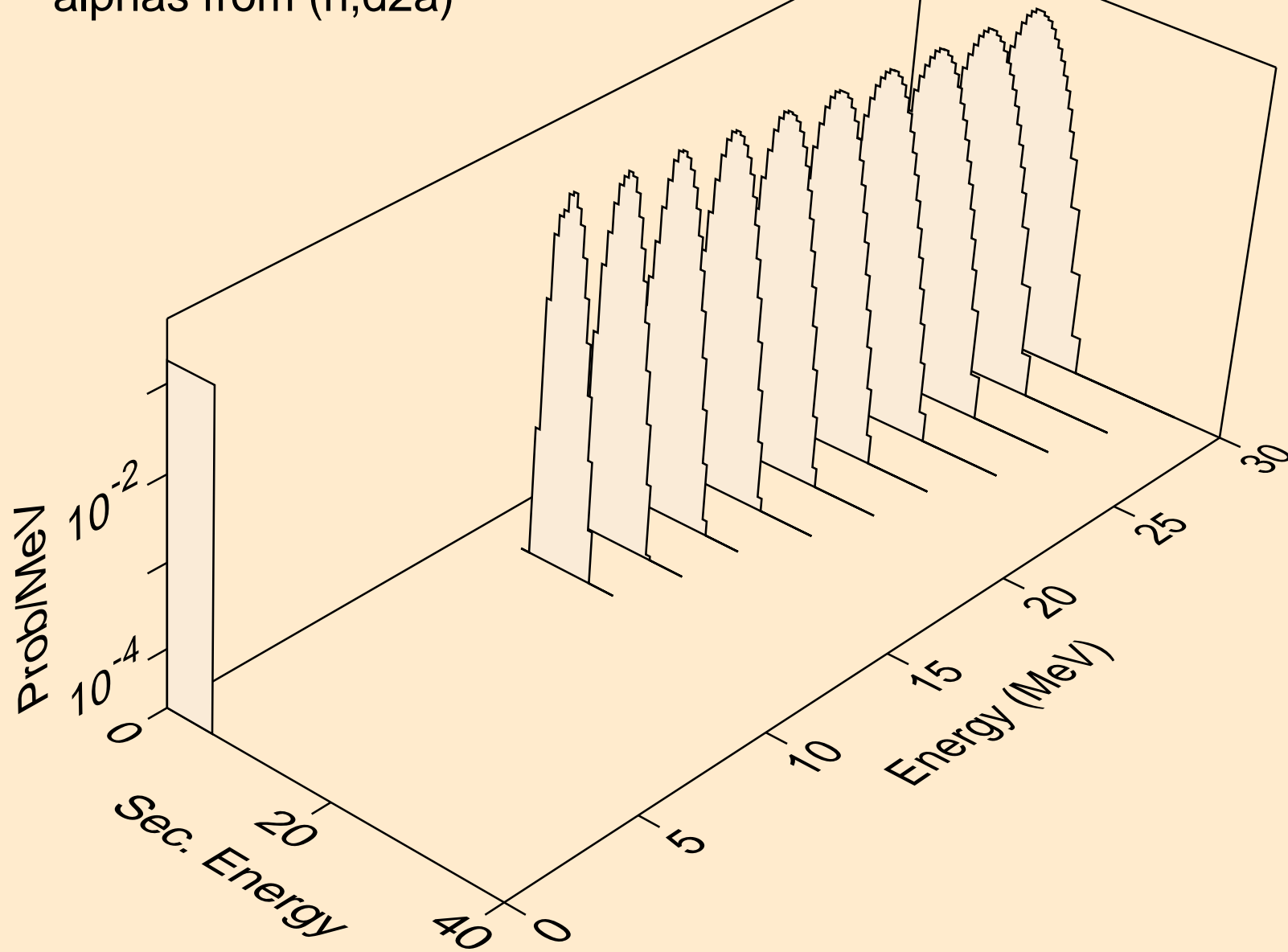
BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,3a)



BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,pa)



BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,d2a)



BI191 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,da)

