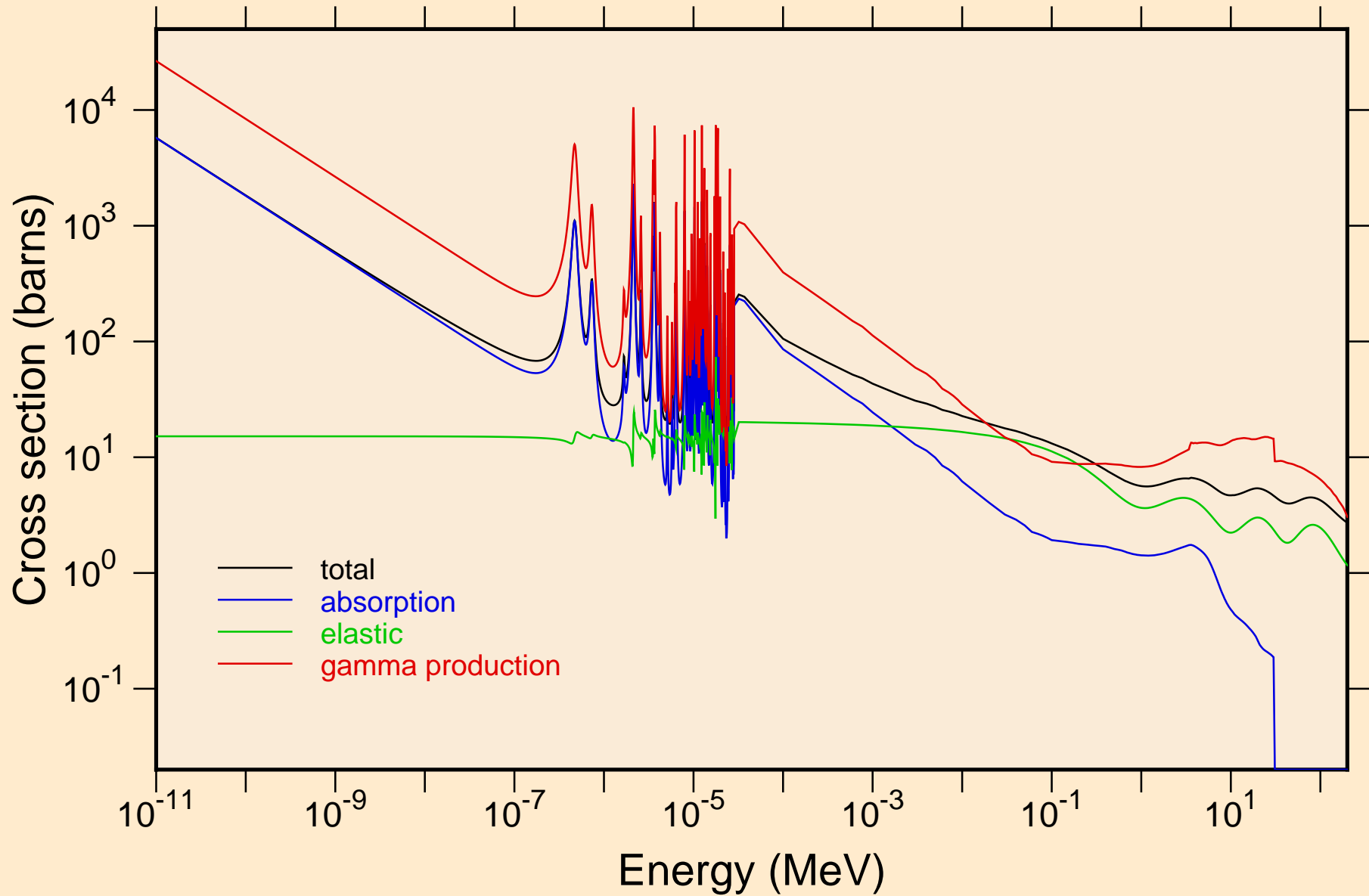
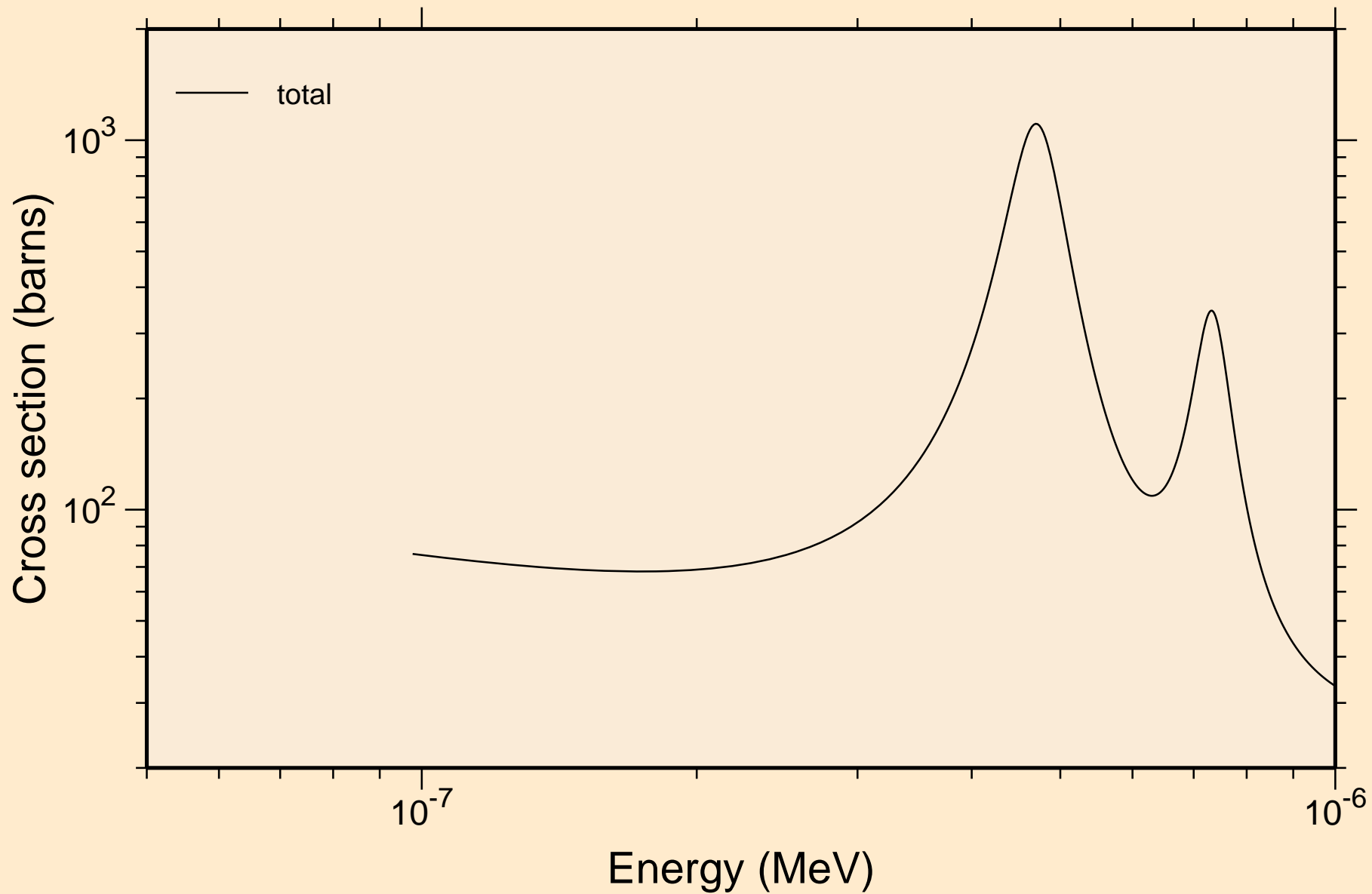


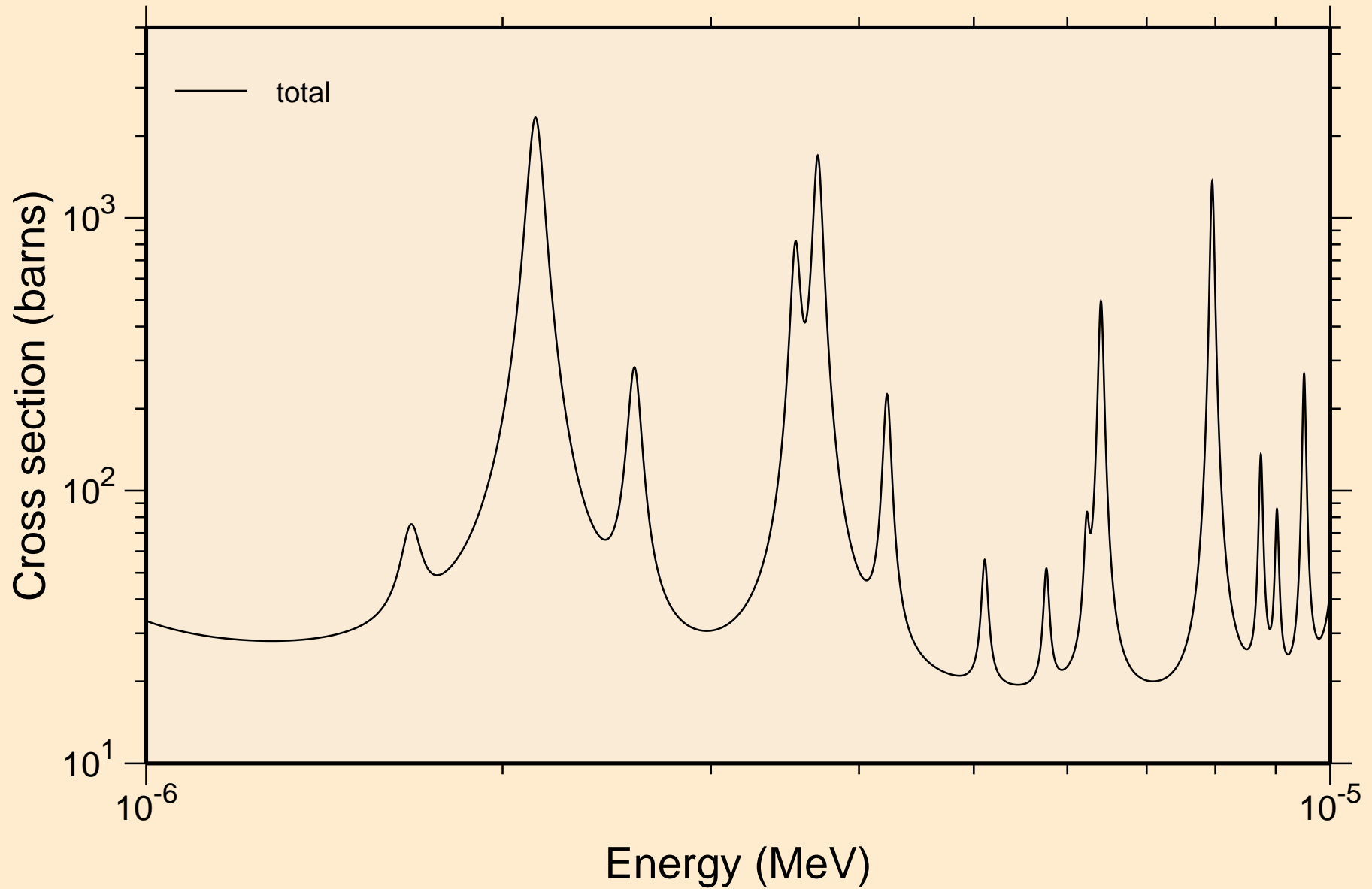
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Principal cross sections



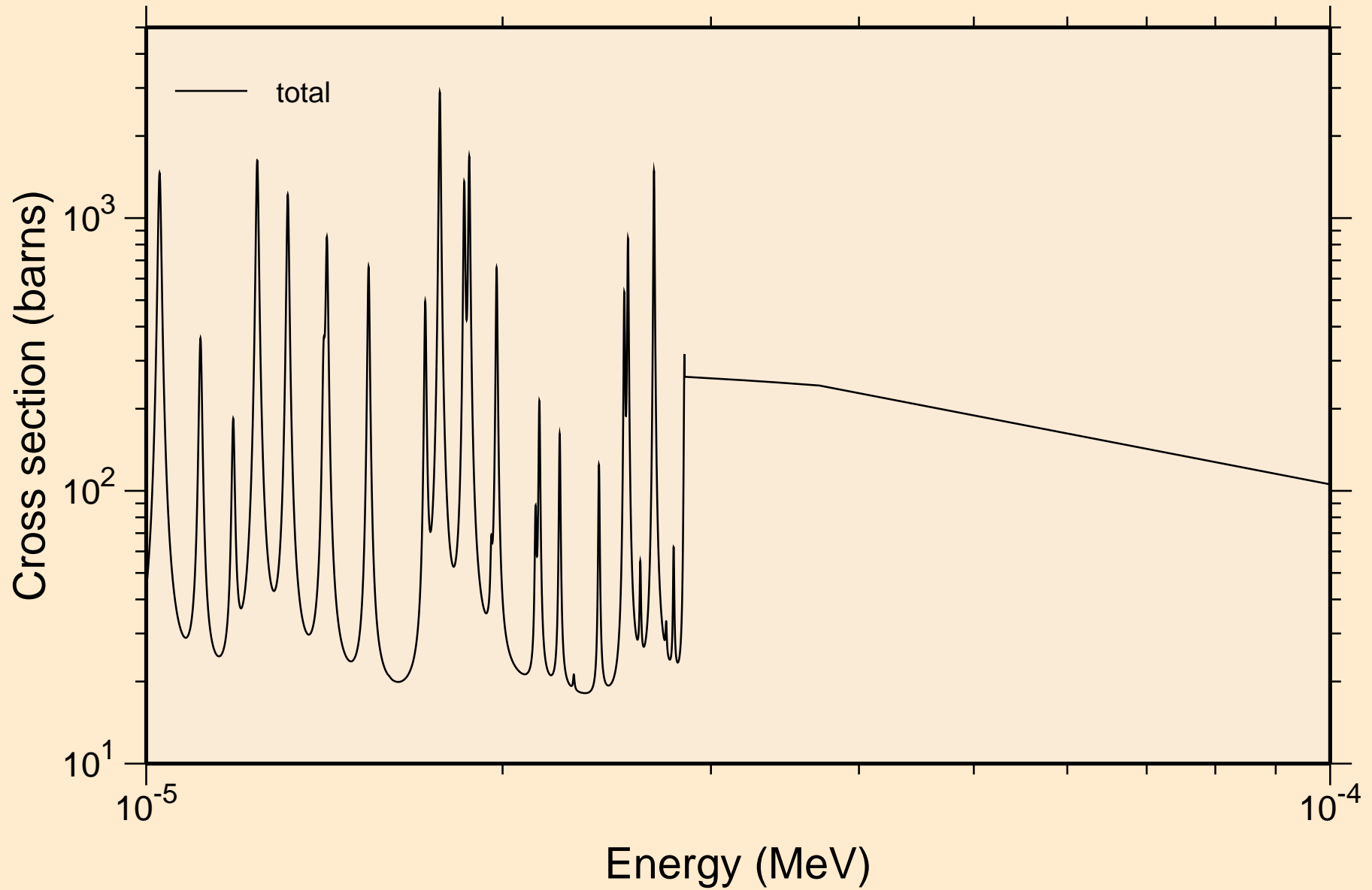
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



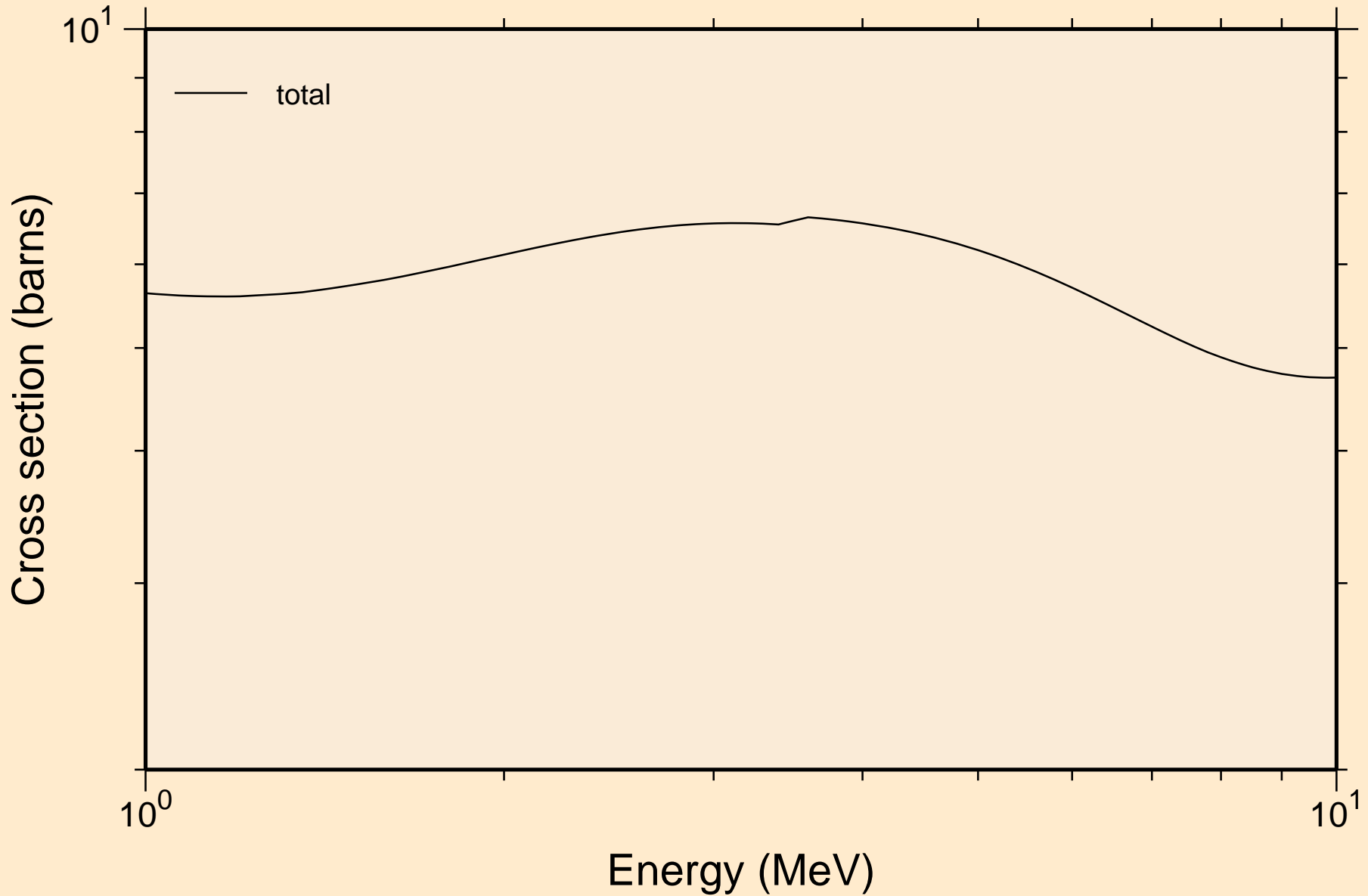
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



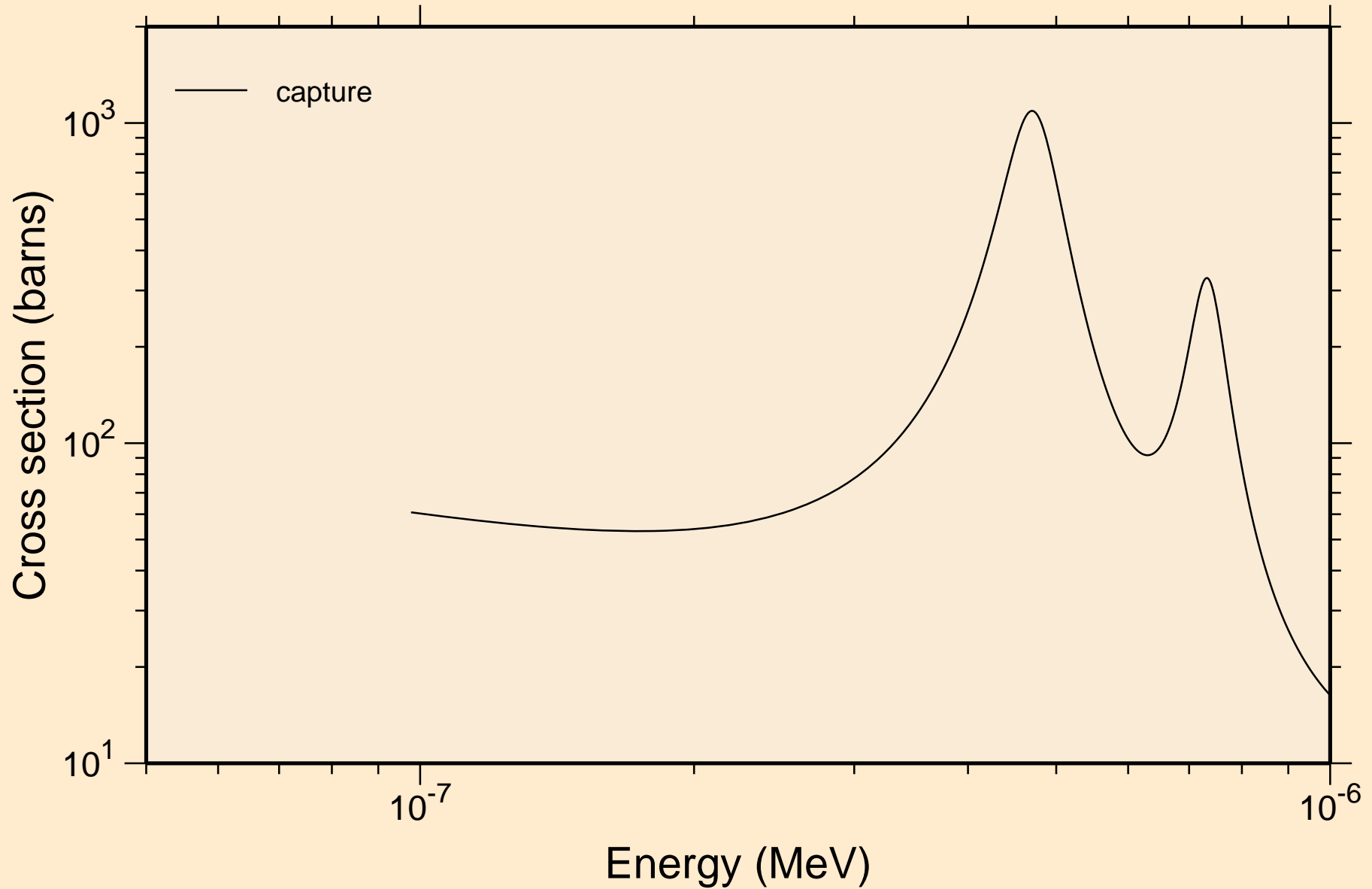
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



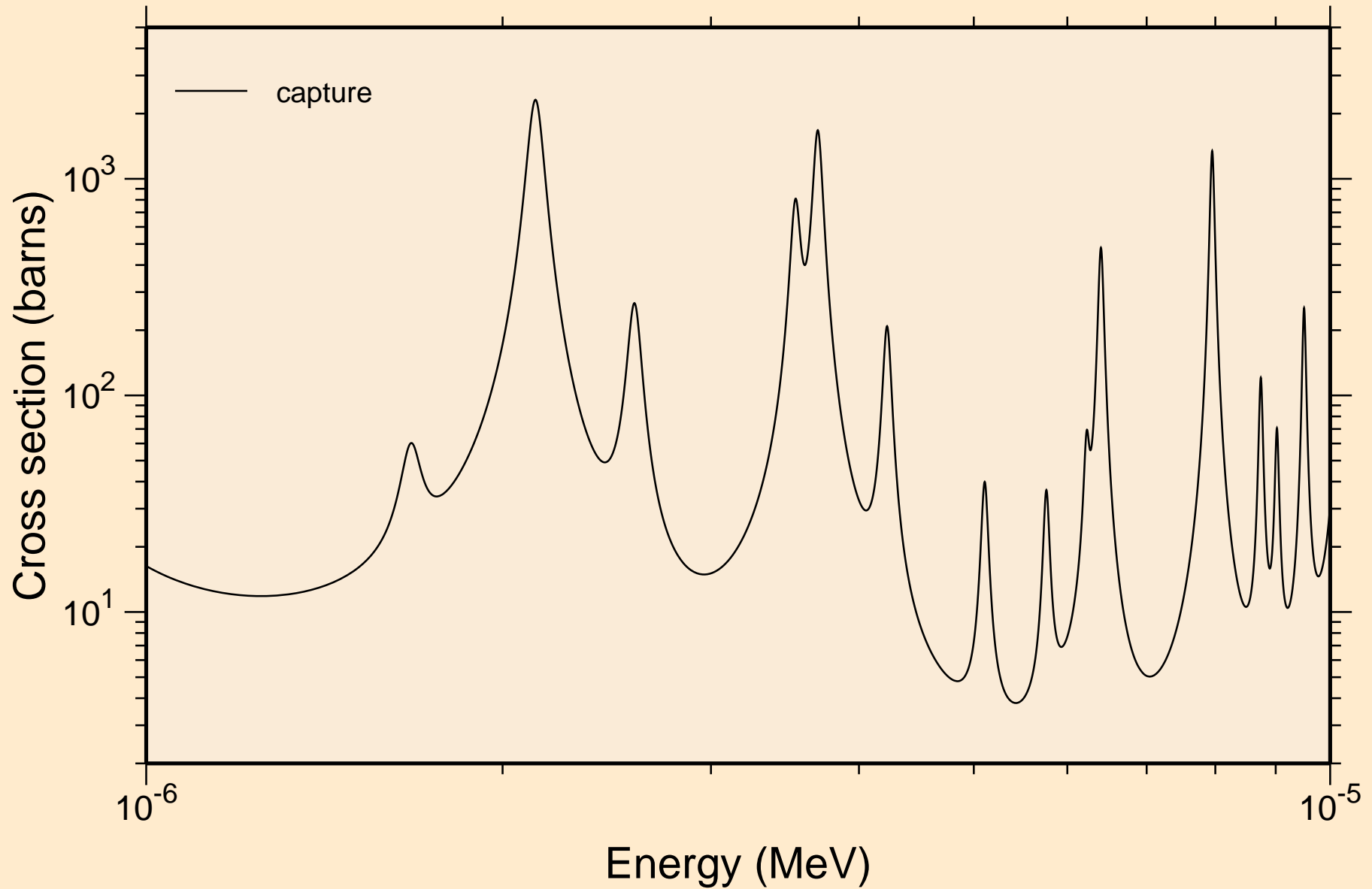
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



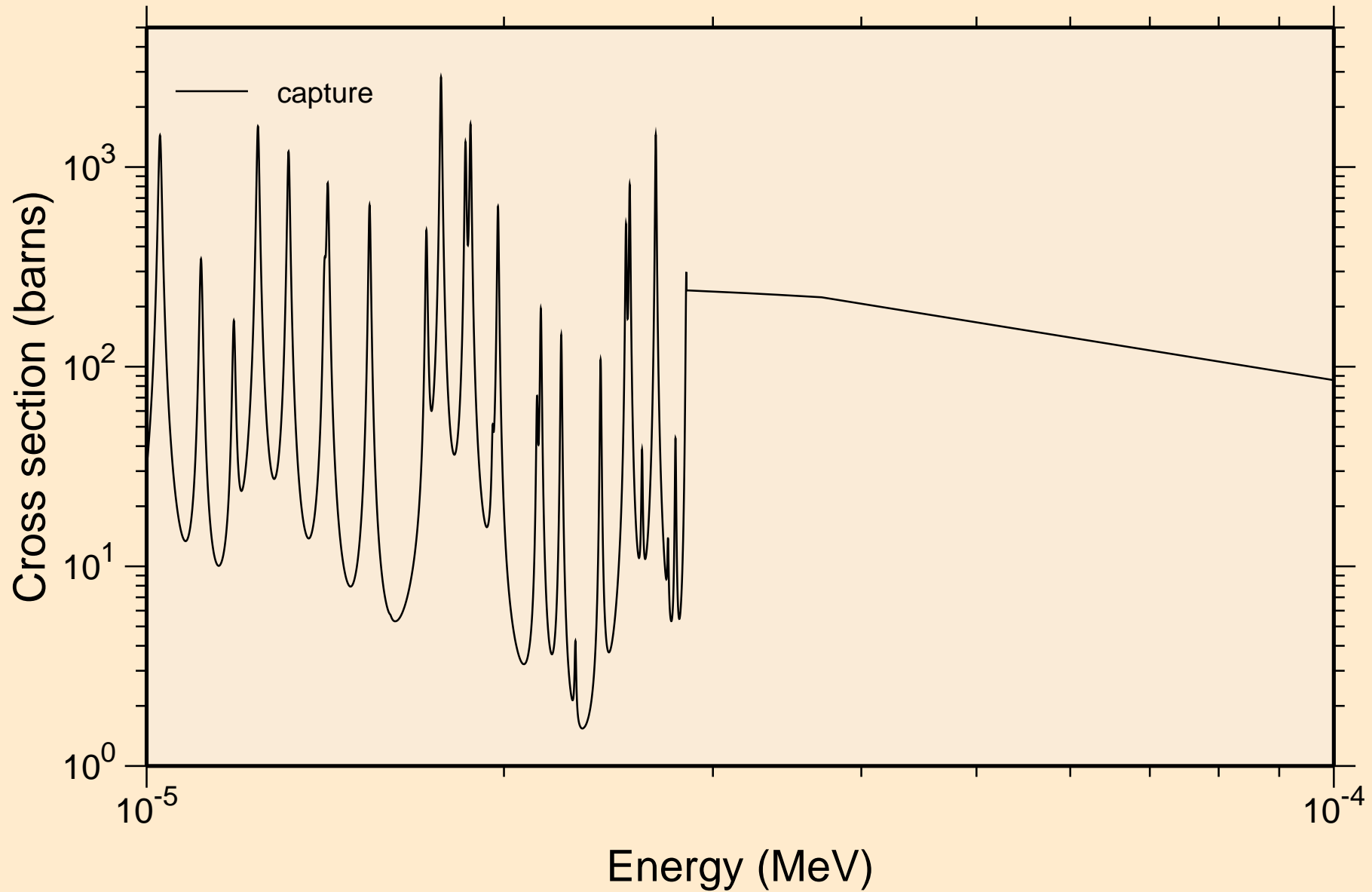
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

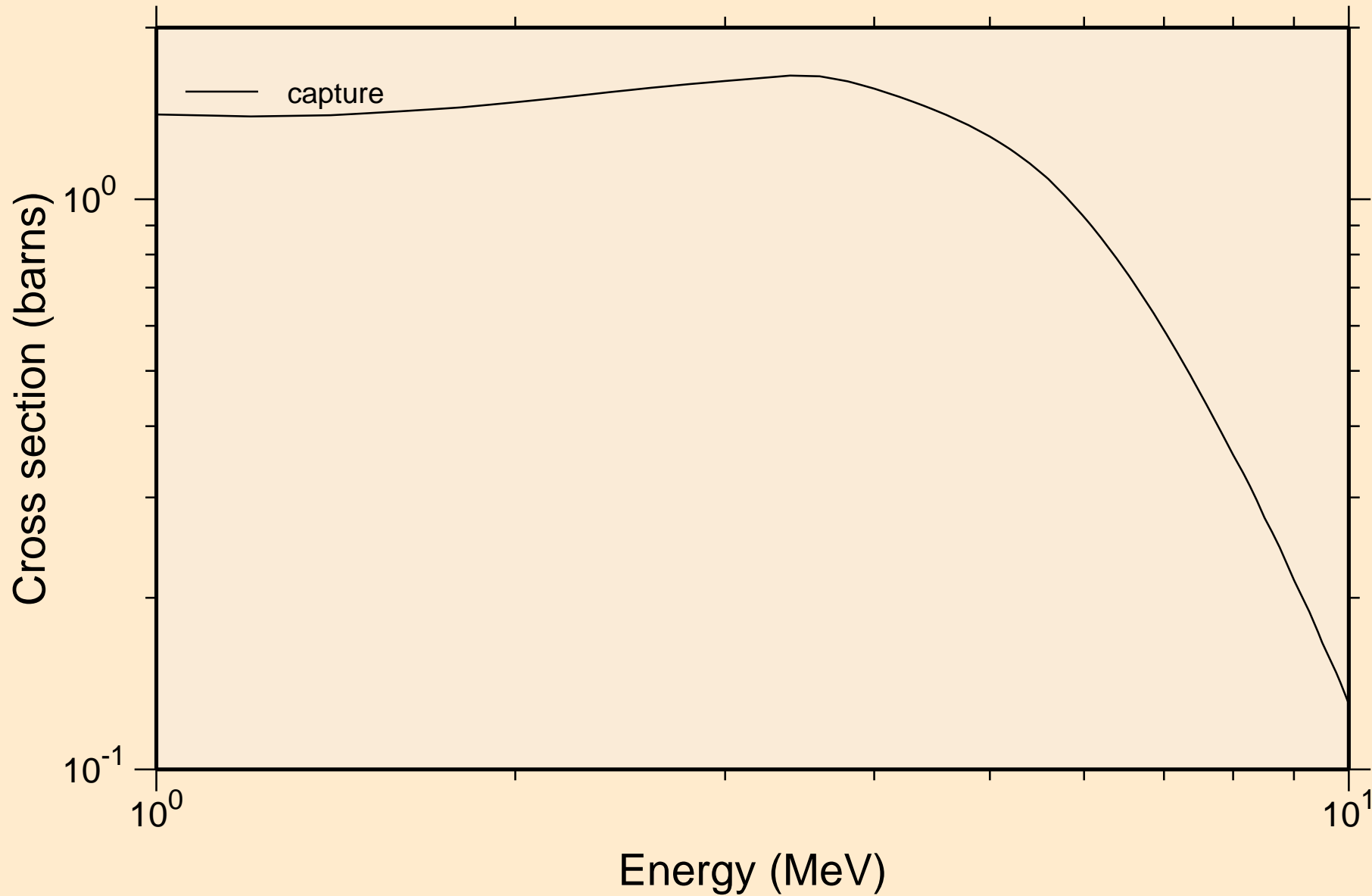


PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



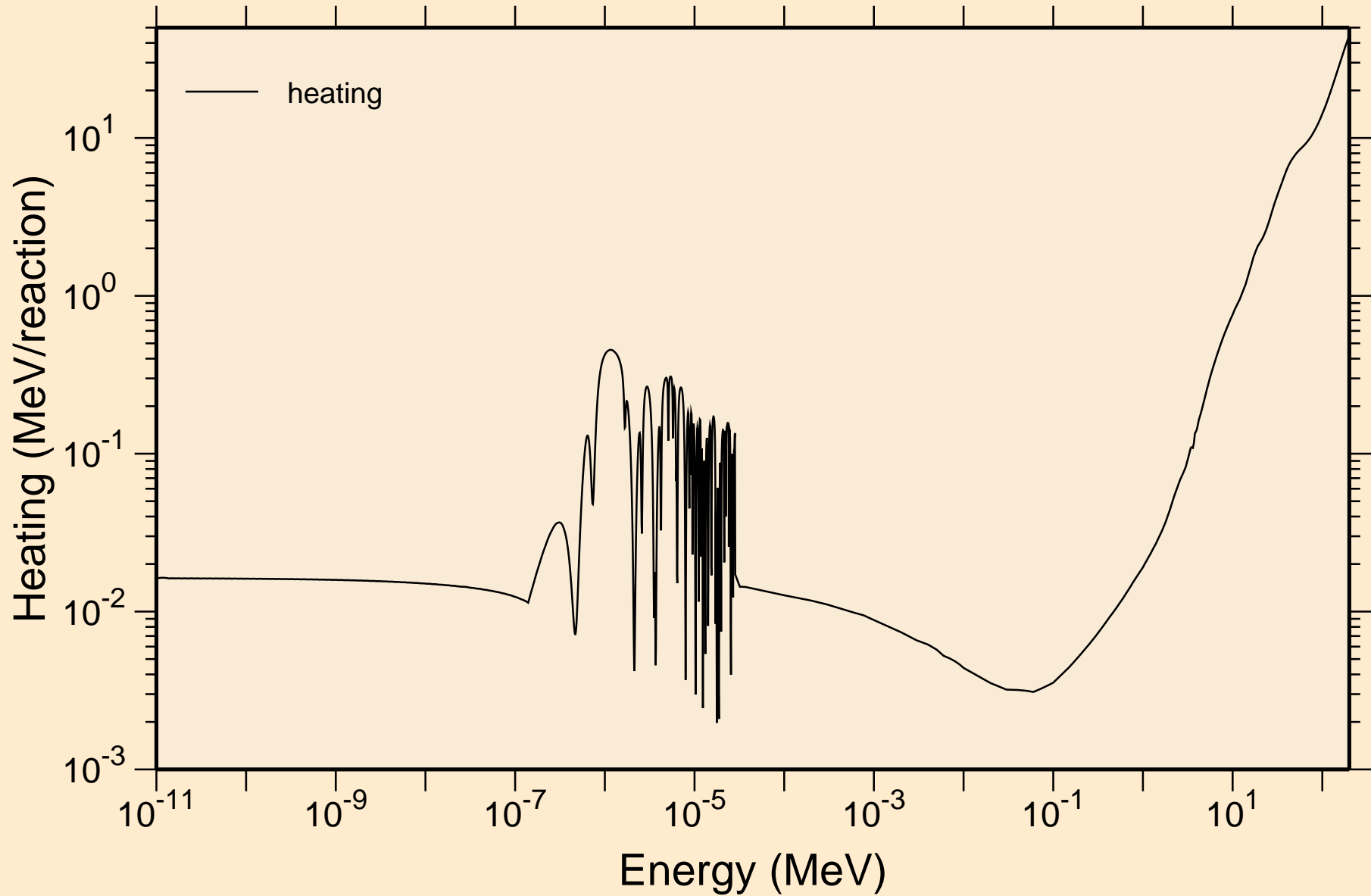


PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

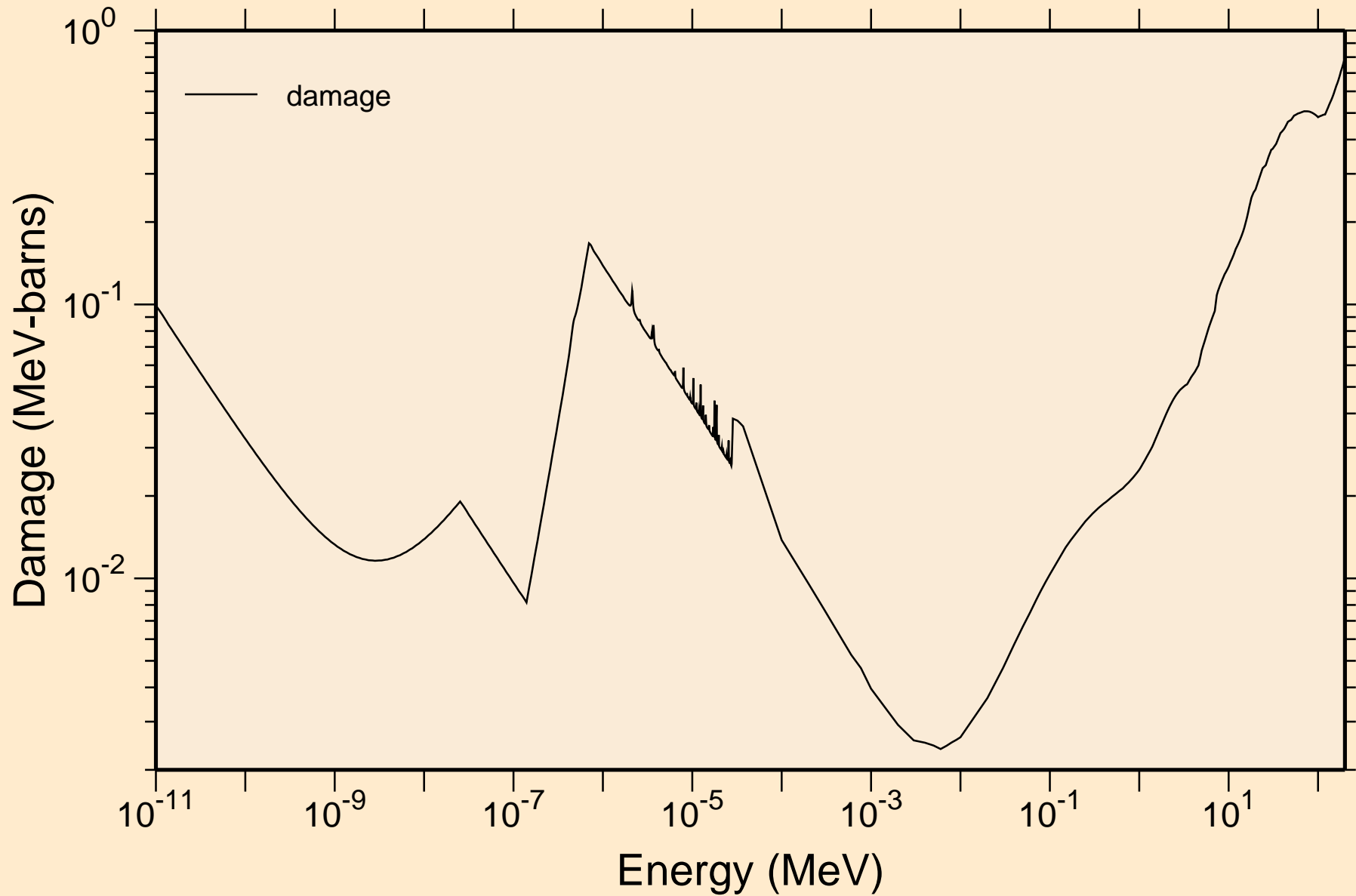


PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

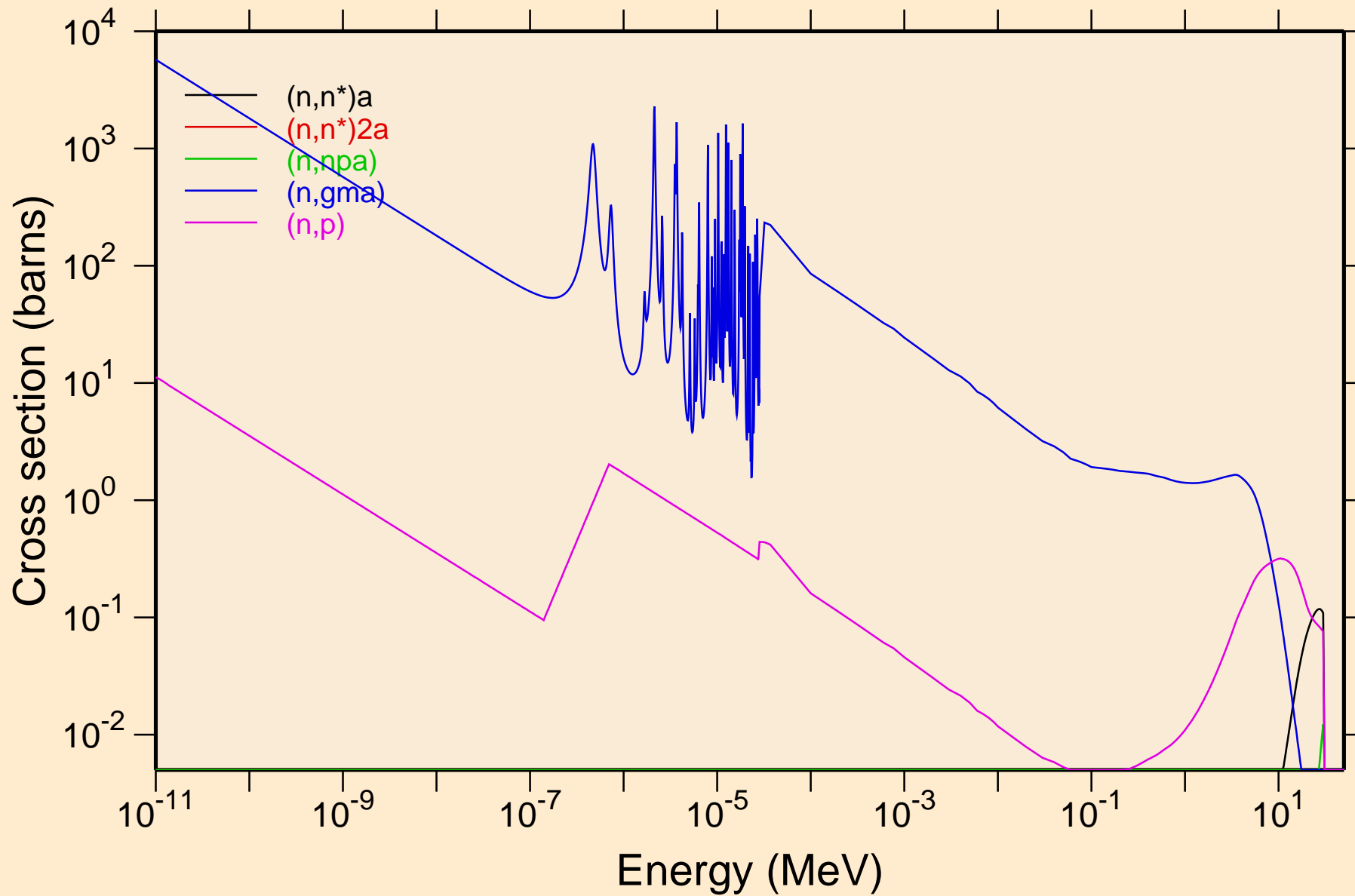
Heating



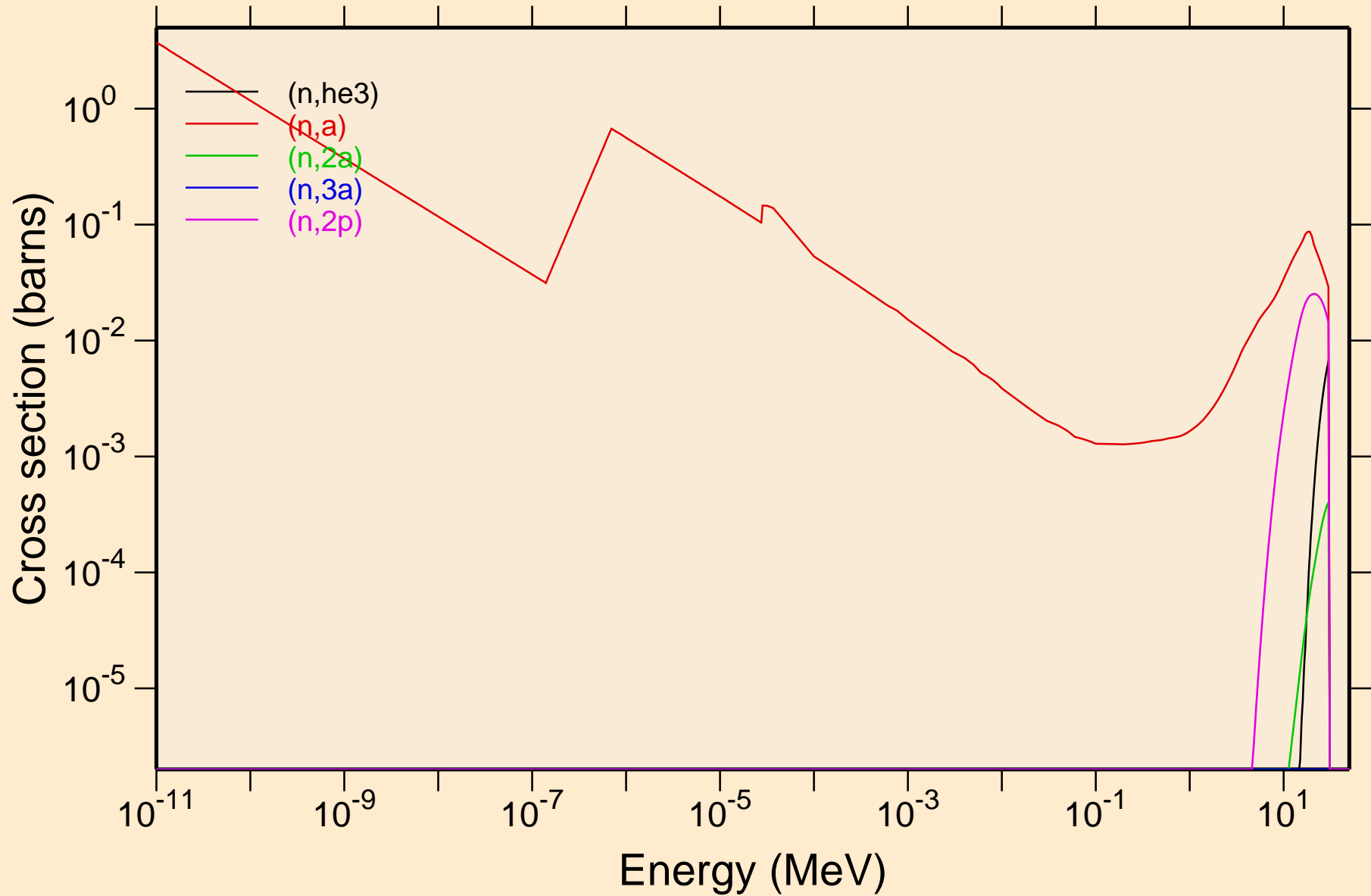
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Damage



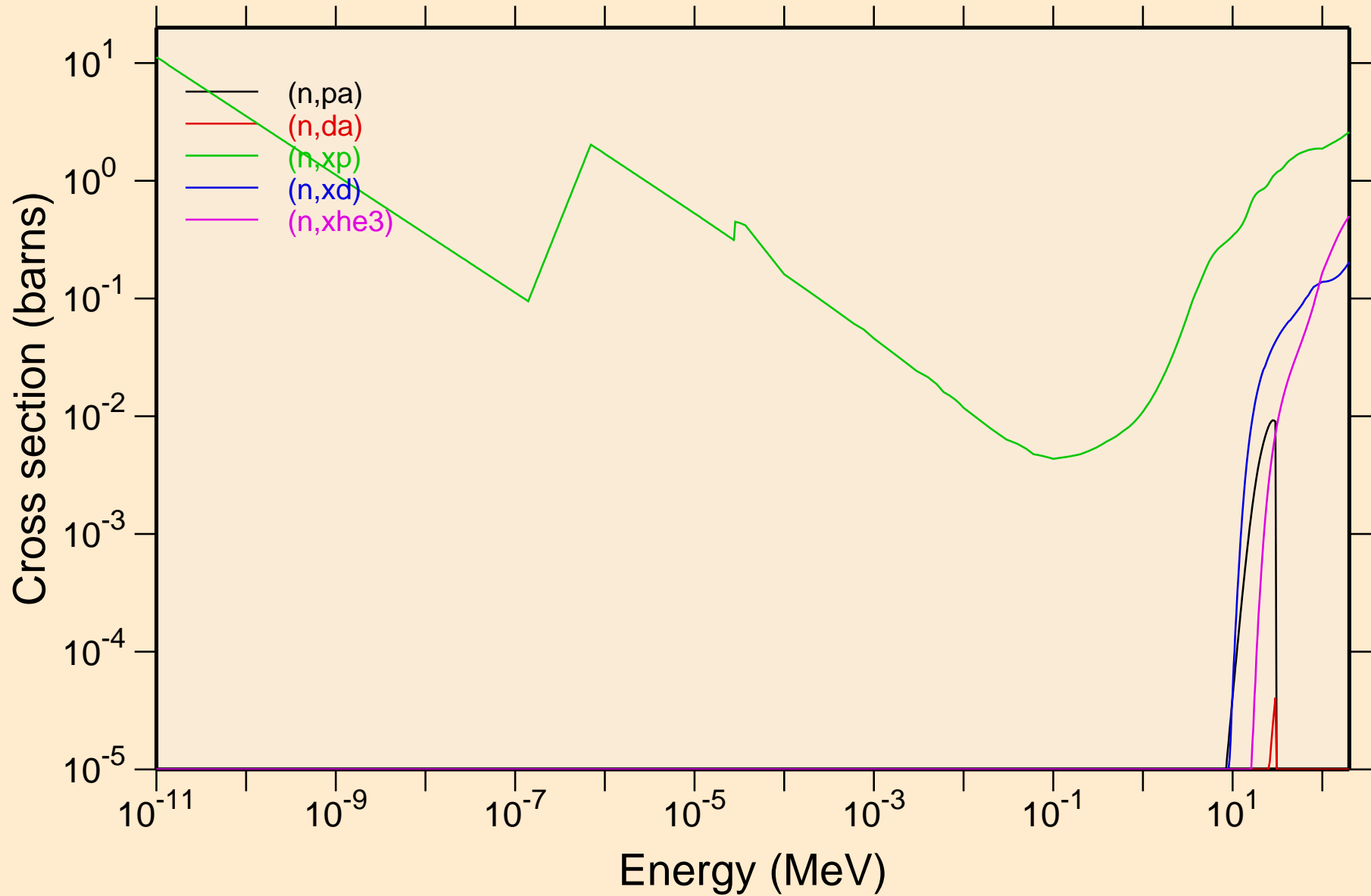
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



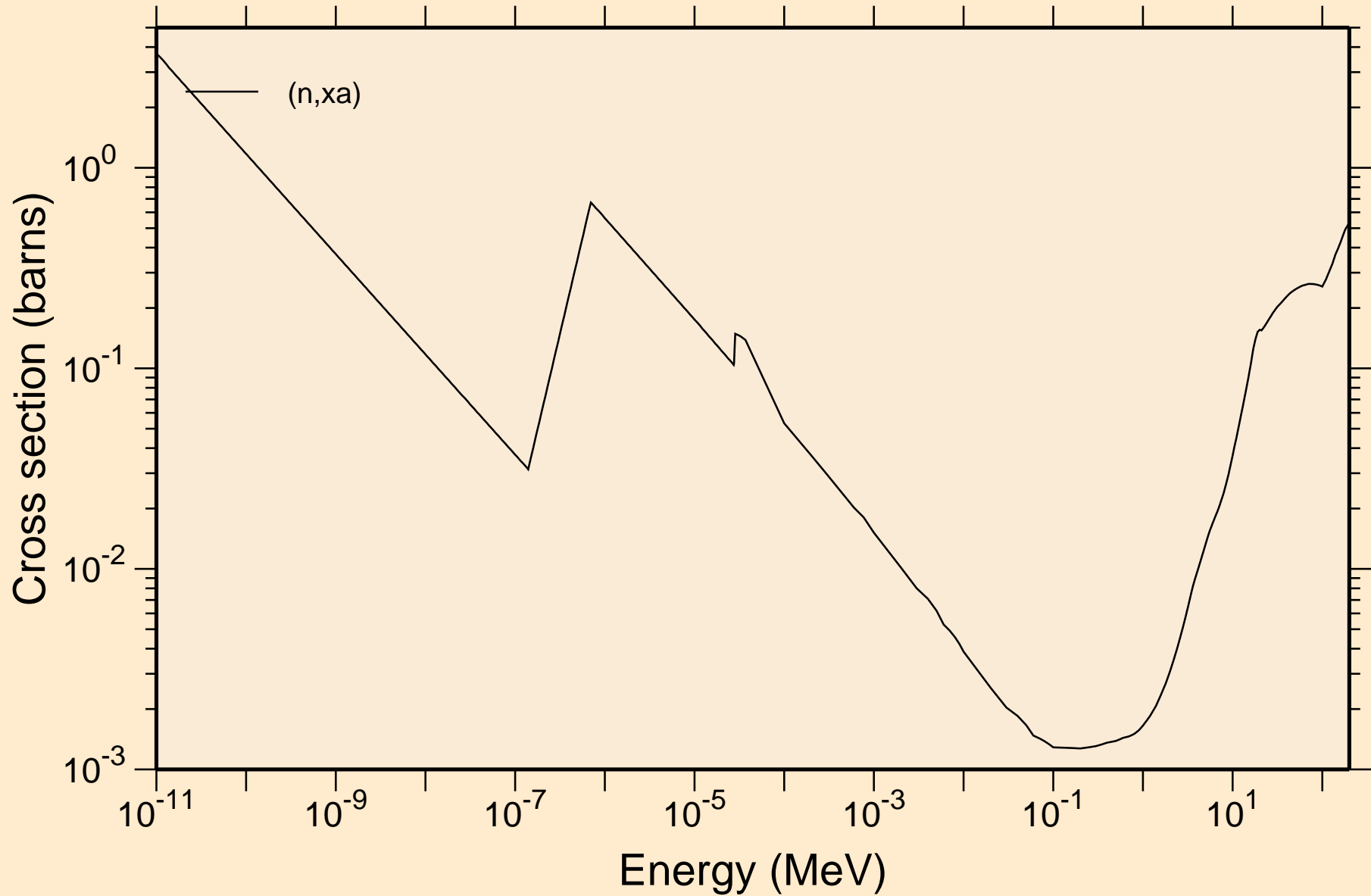
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

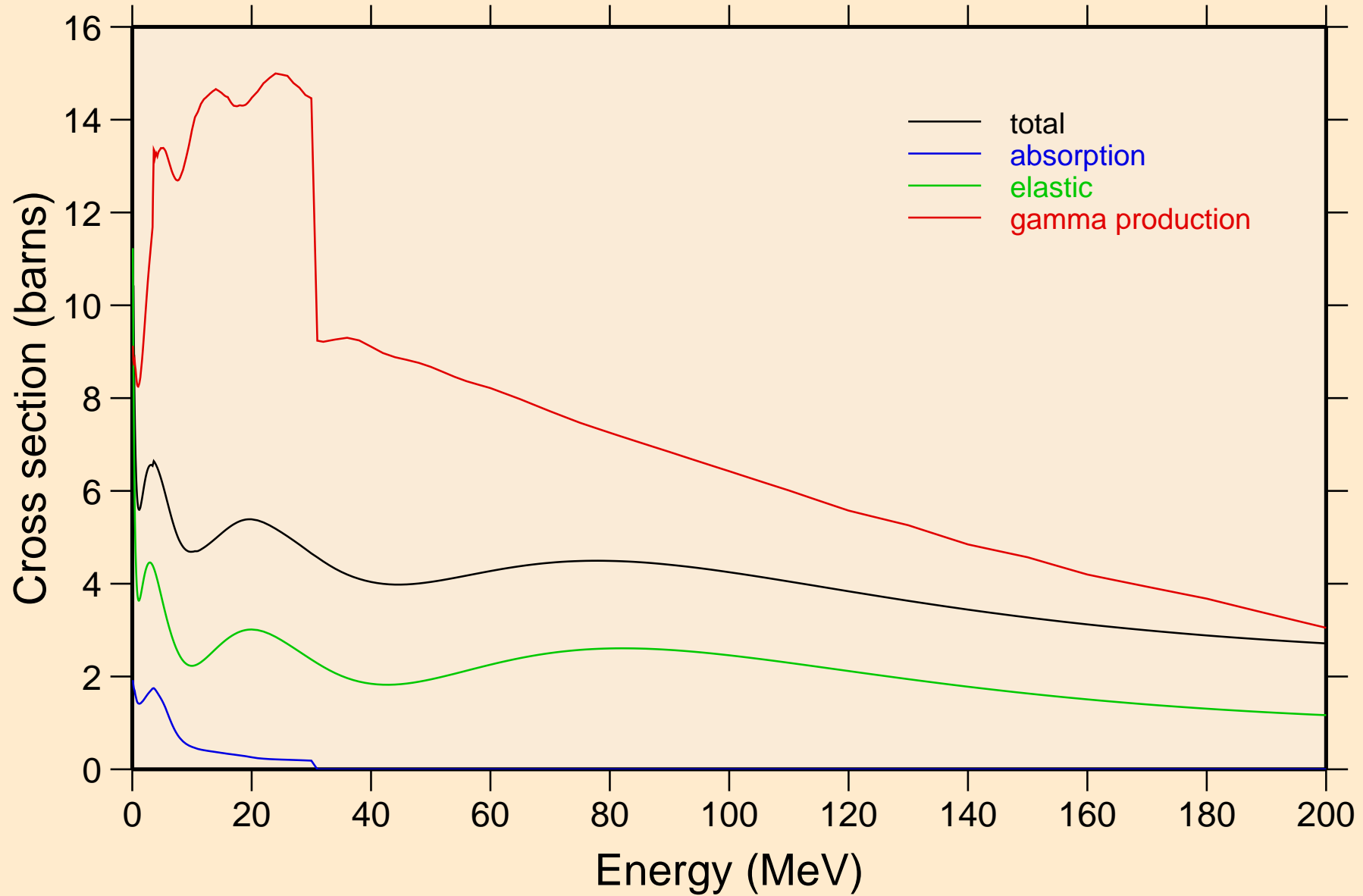


PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



# PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

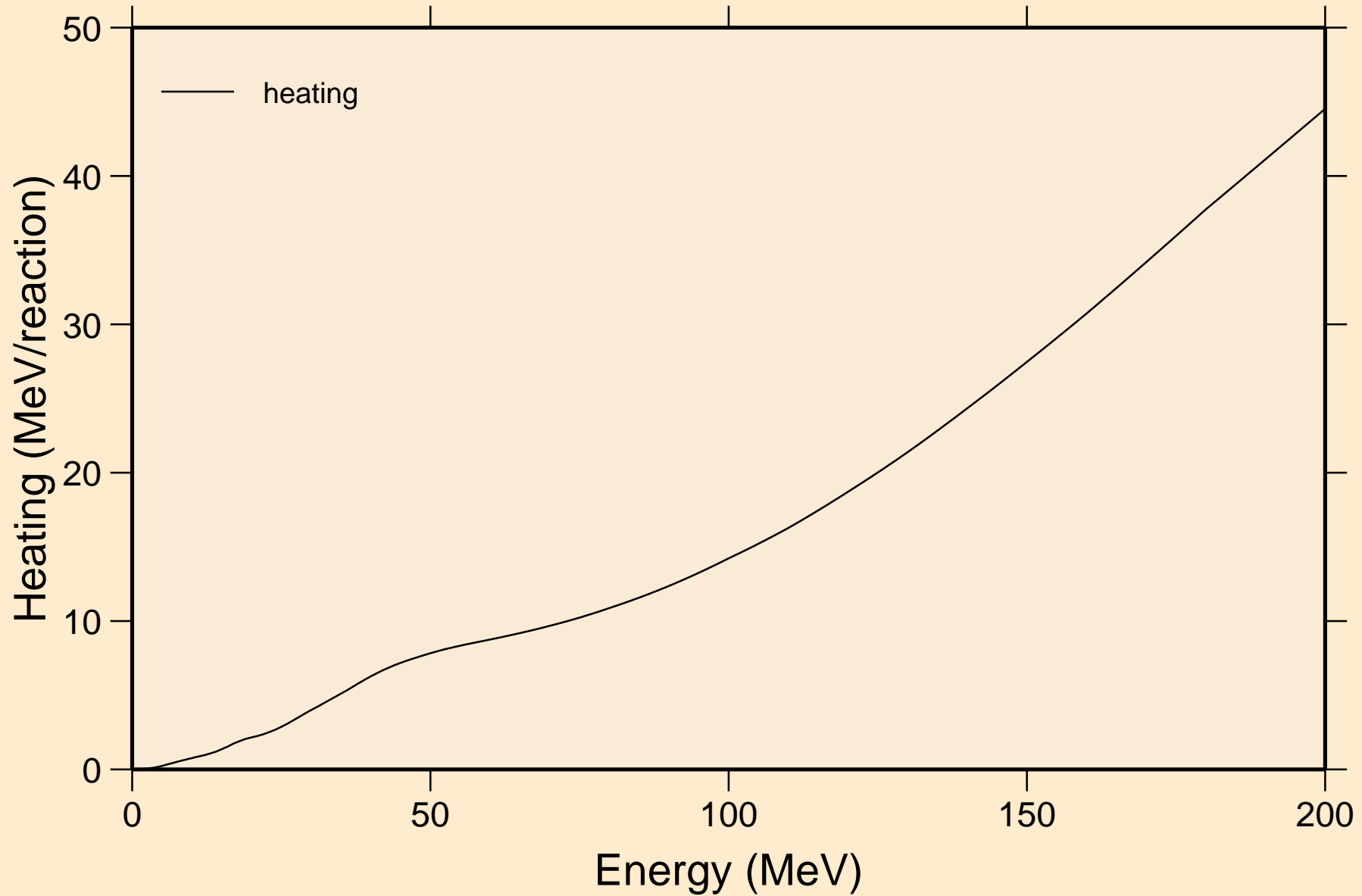
## Principal cross sections



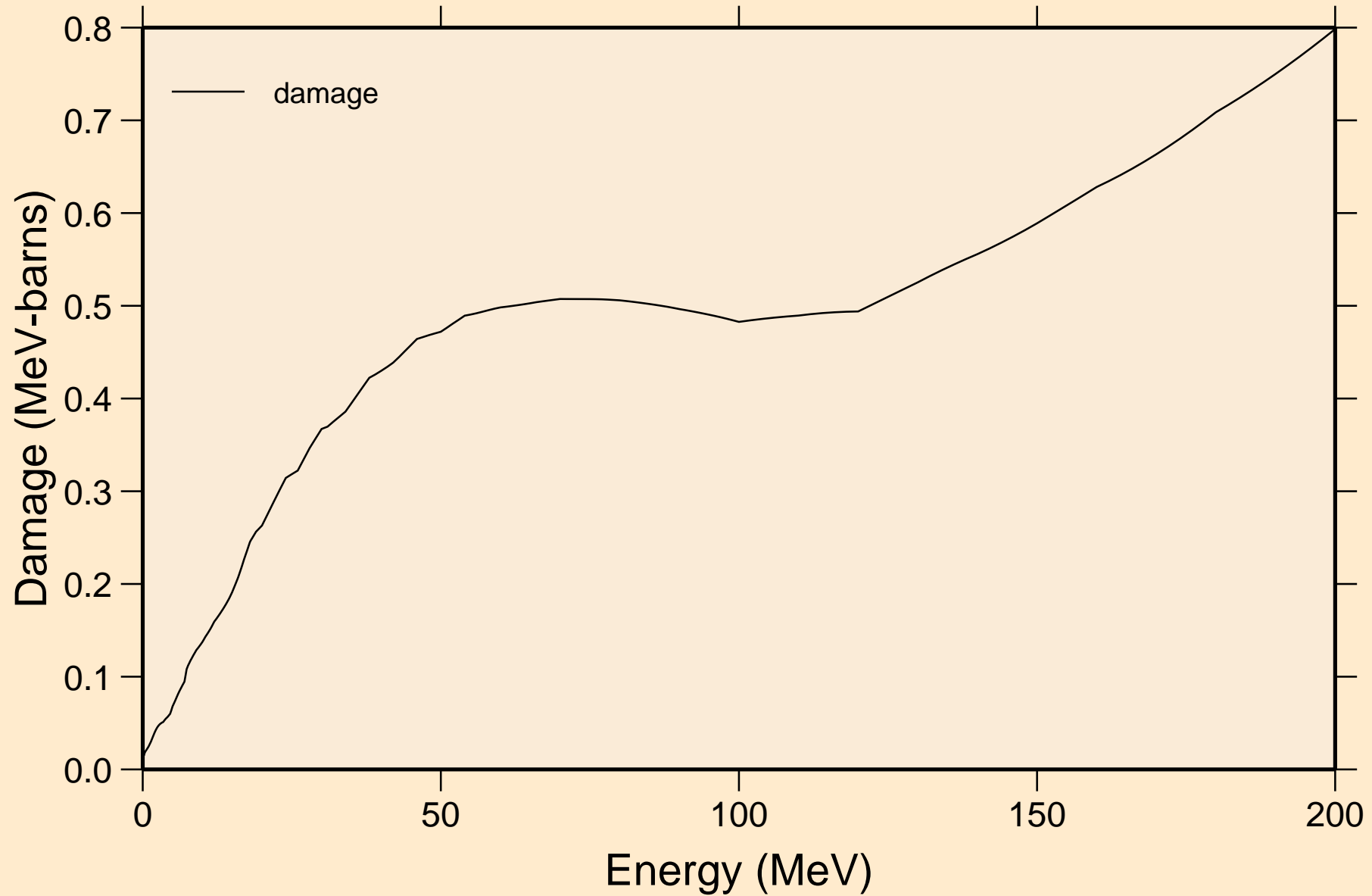


PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

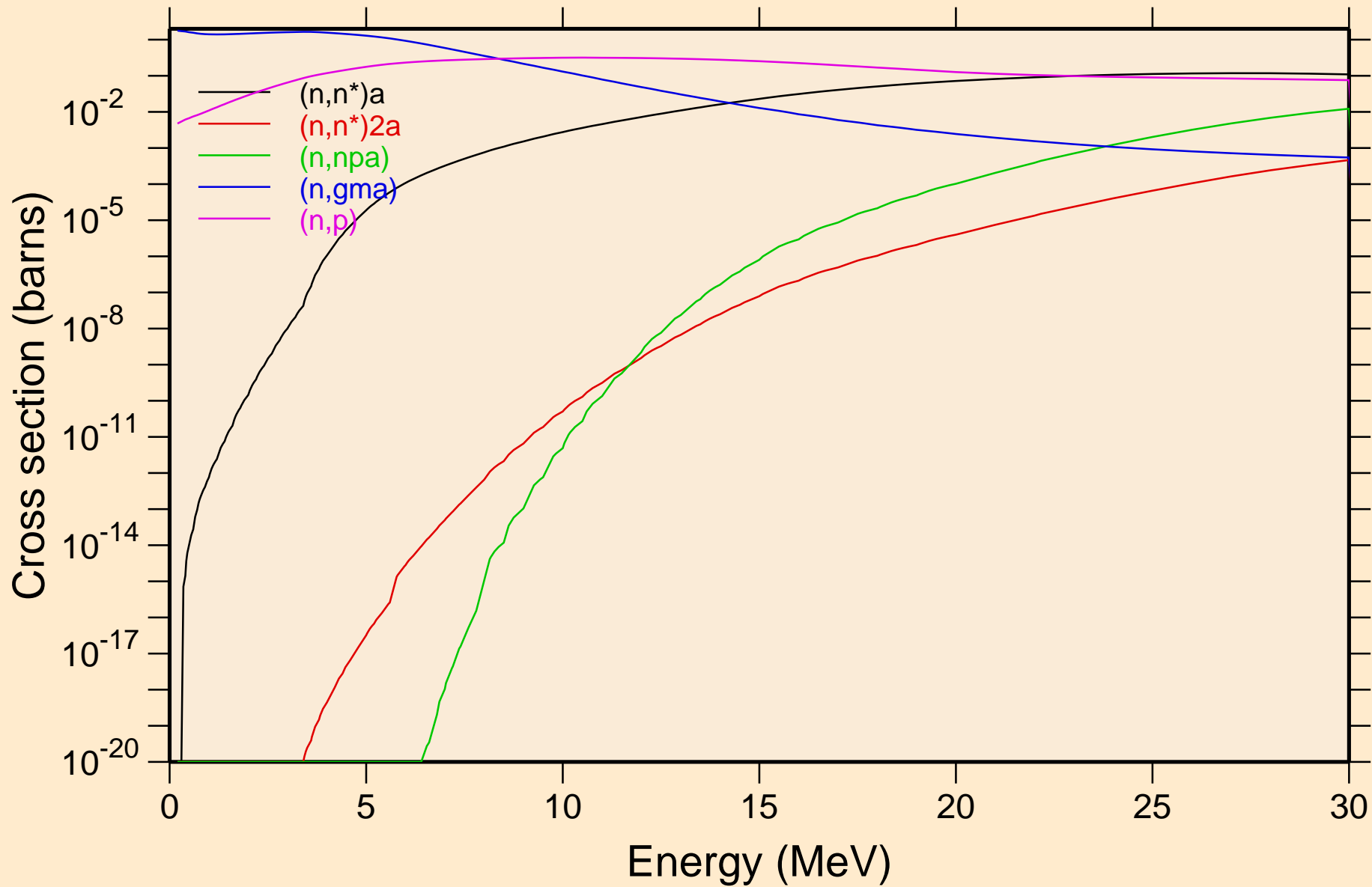
Heating



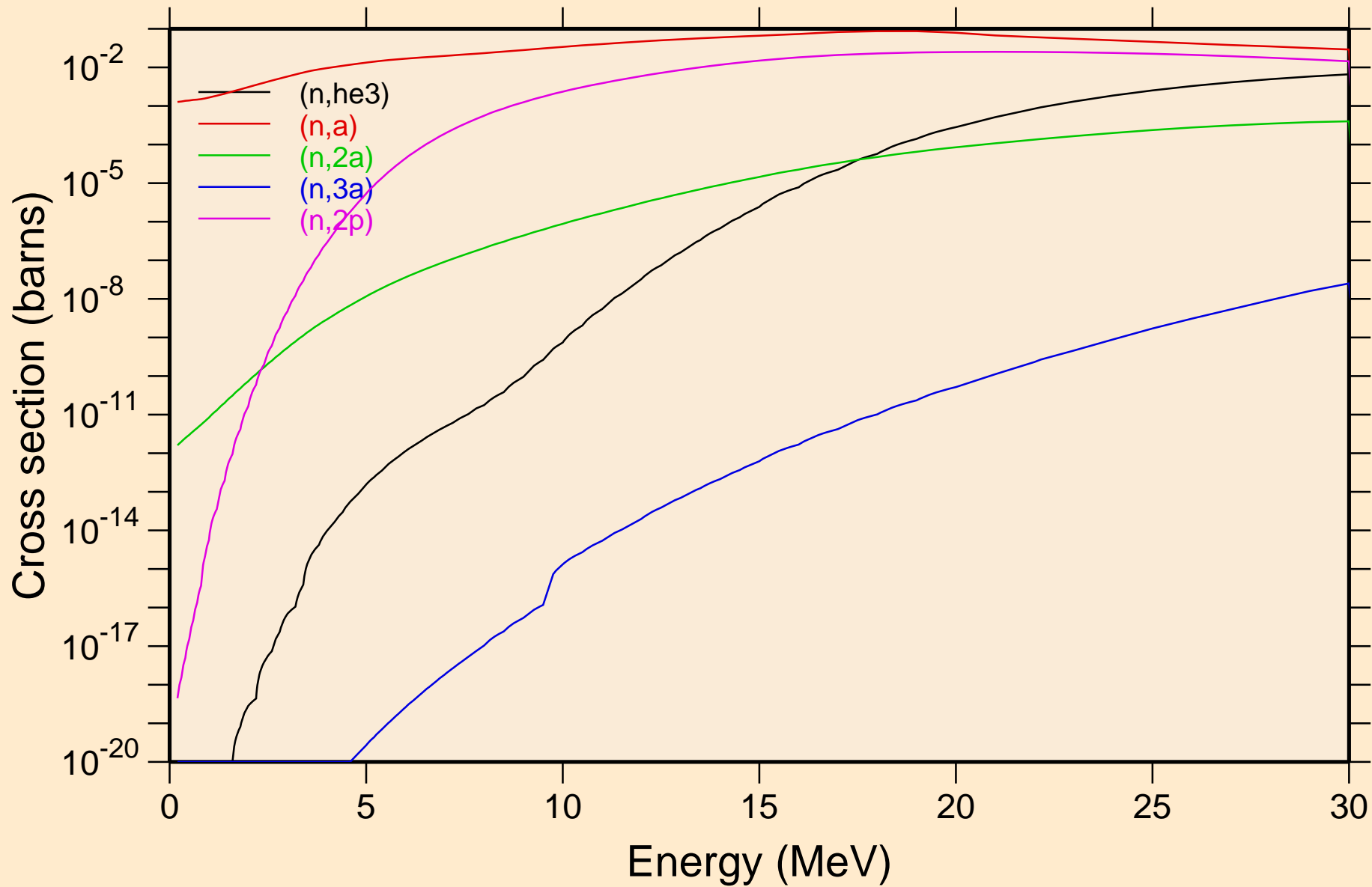
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Damage



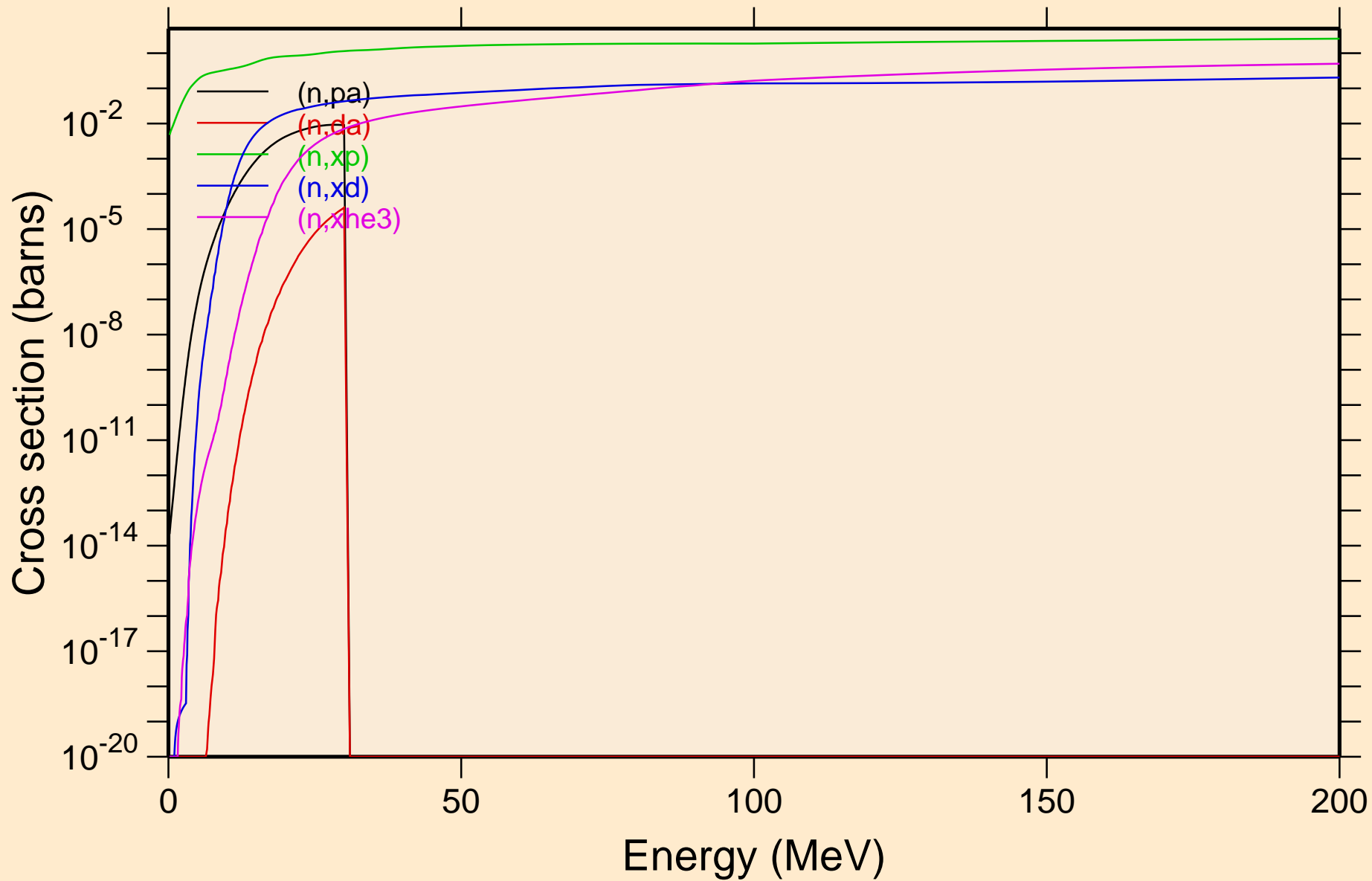
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



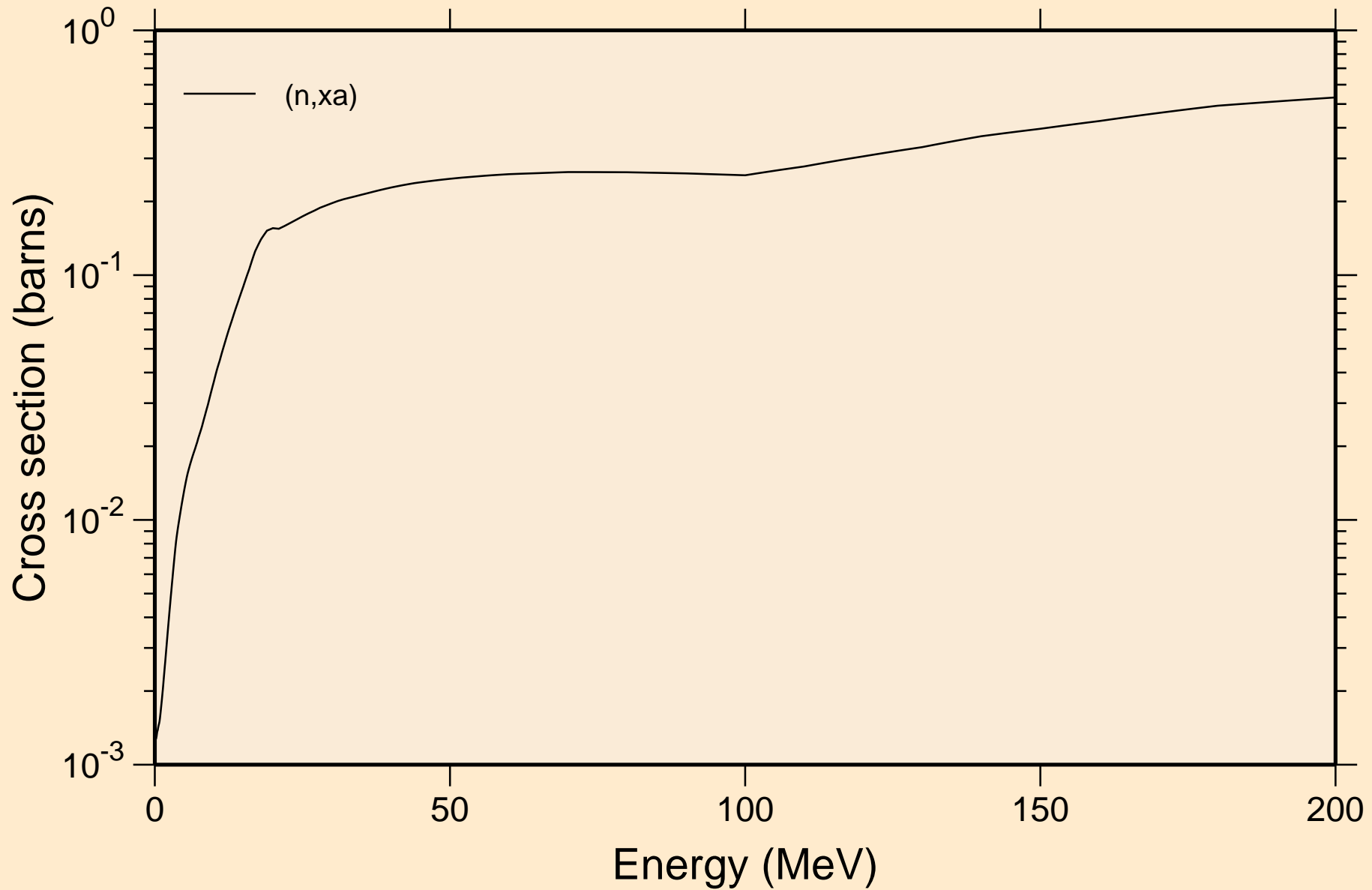
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



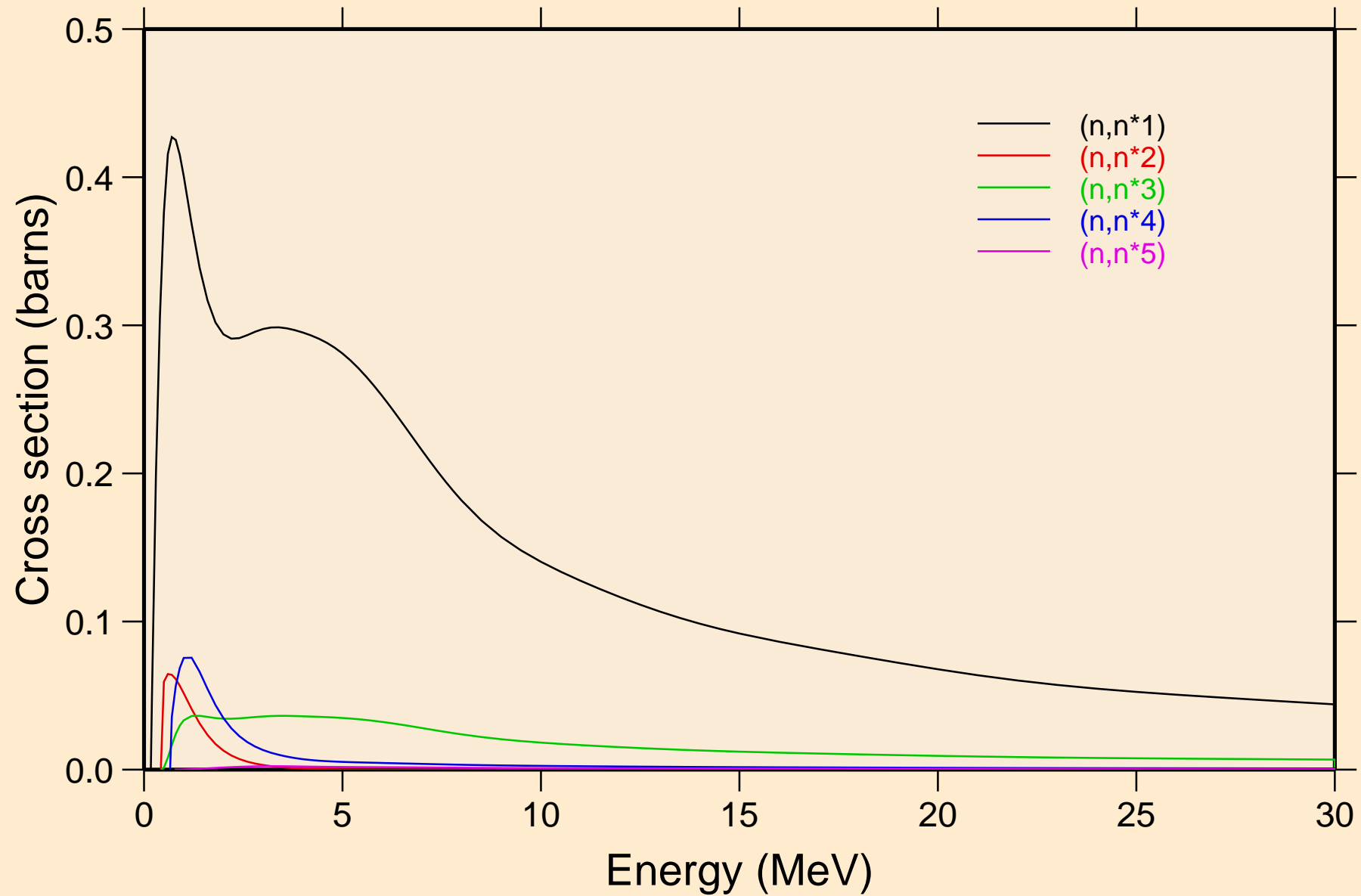
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



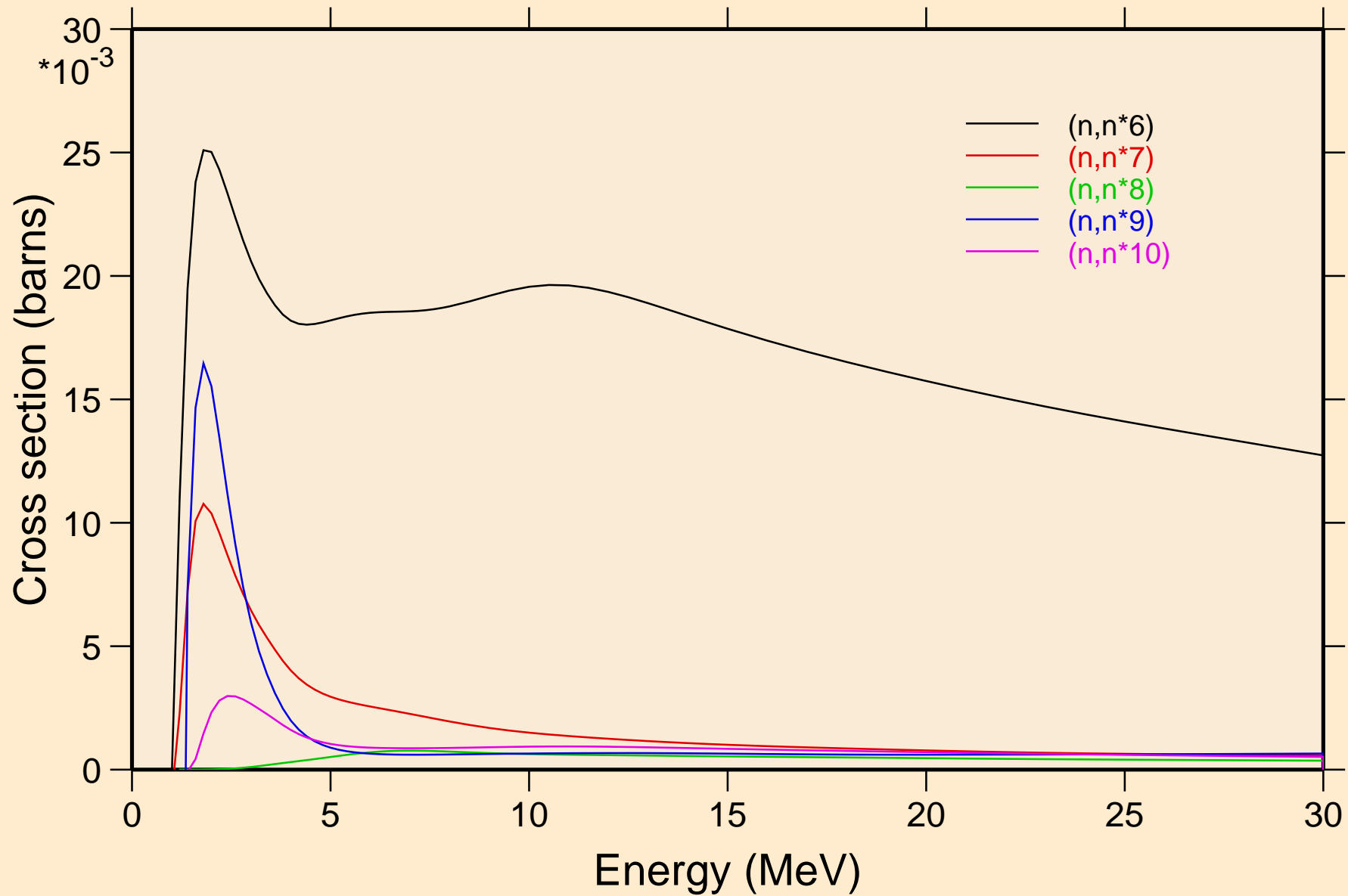
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

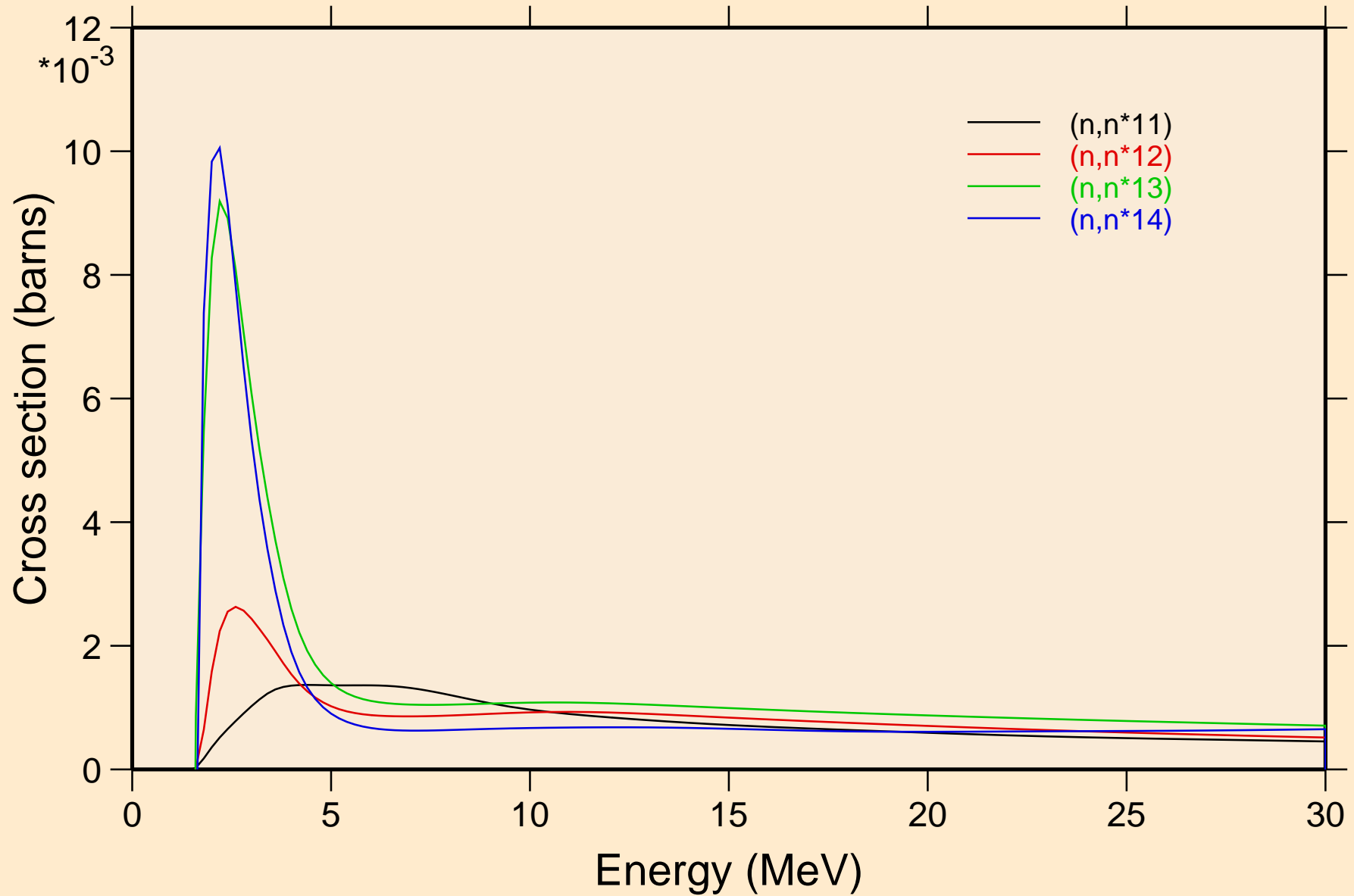


PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

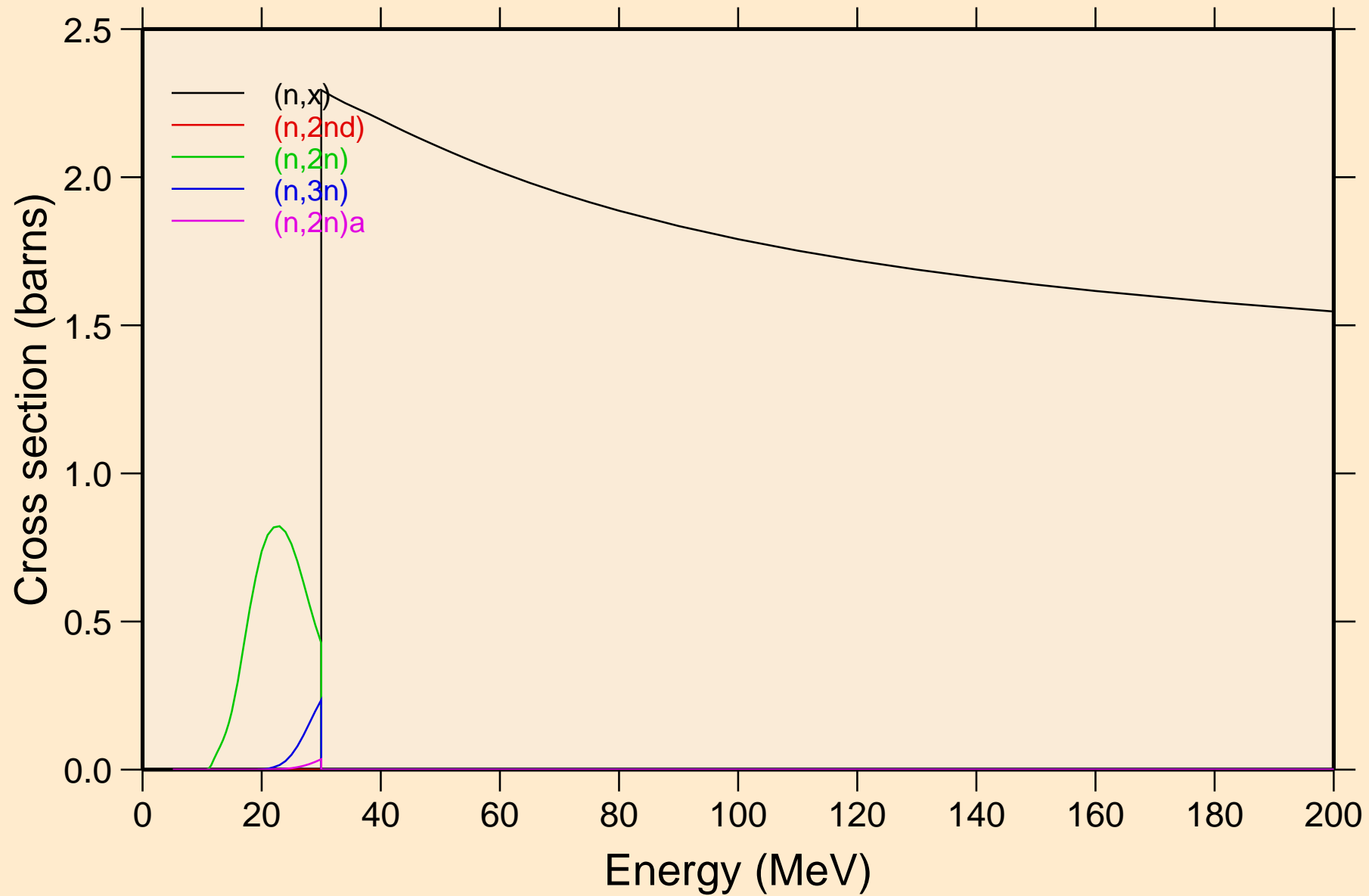




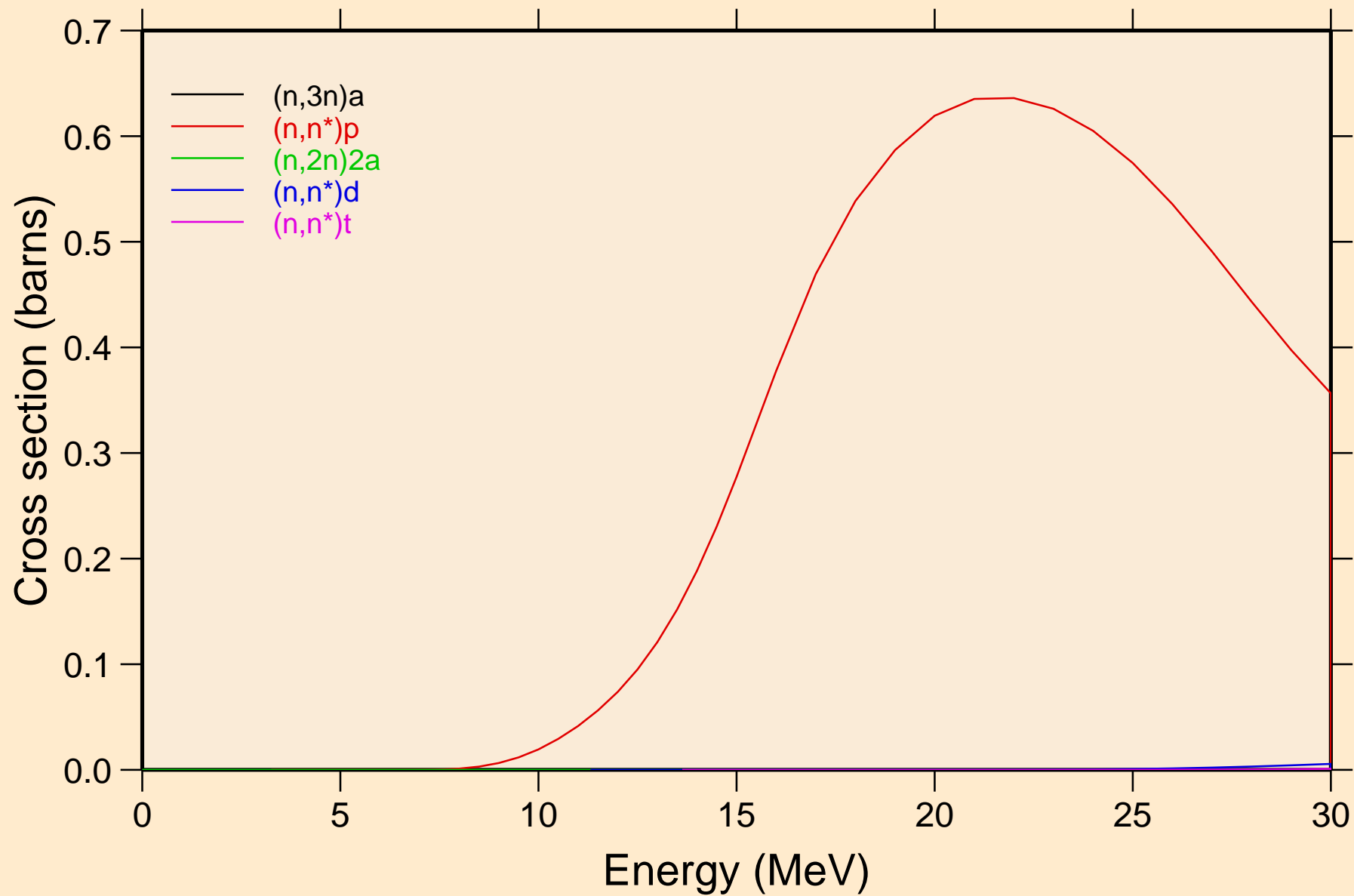
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



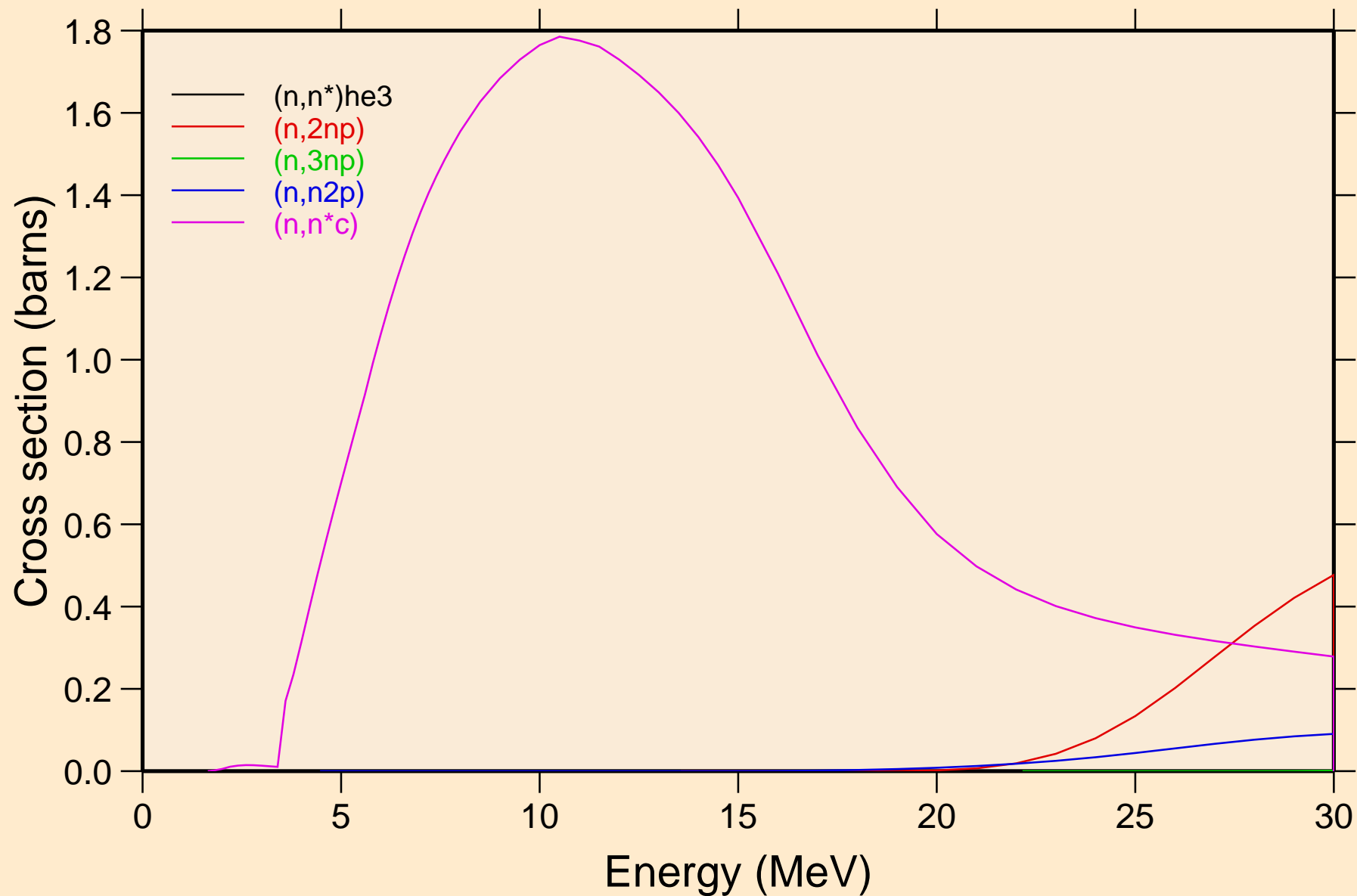
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



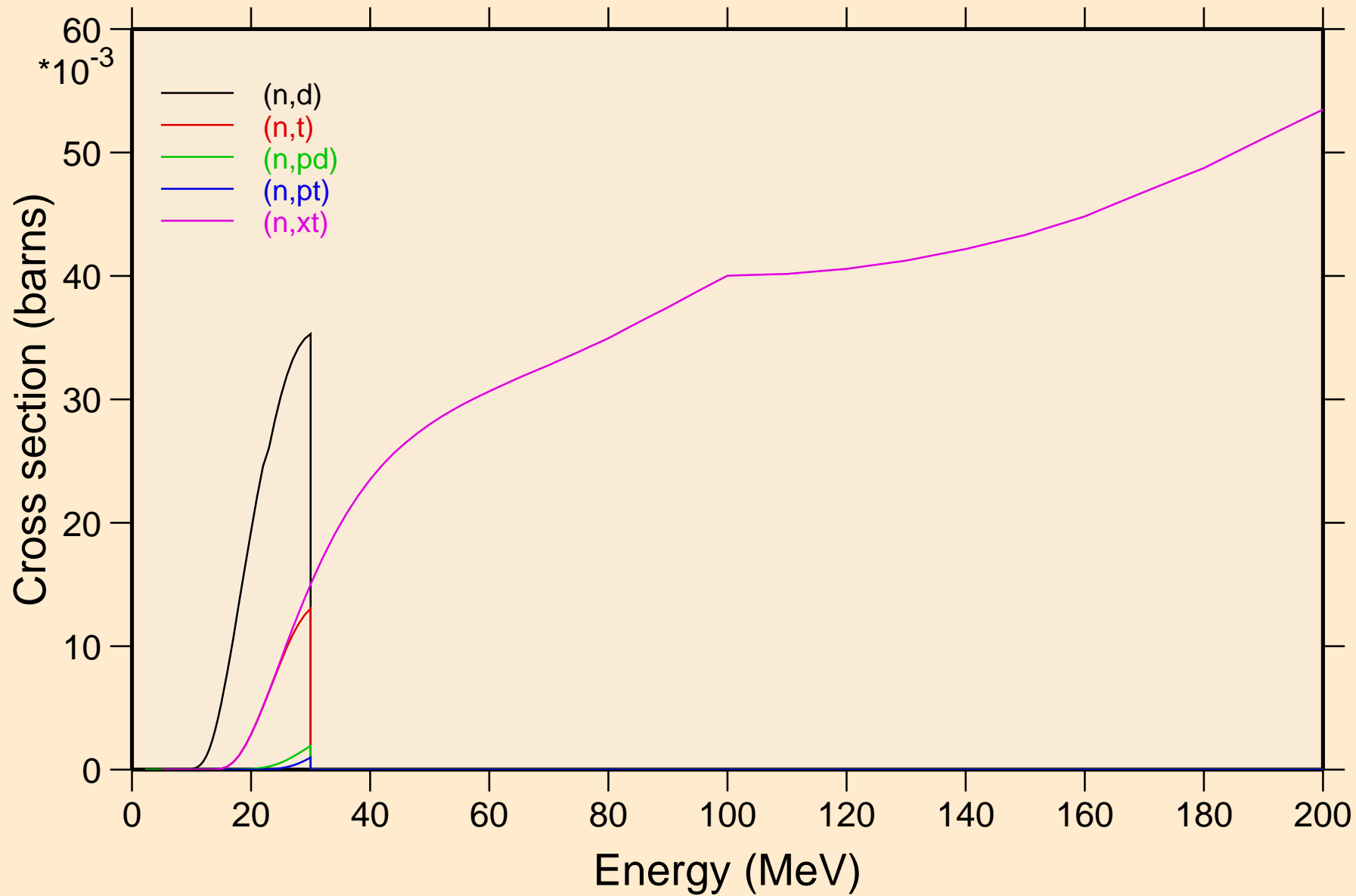
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



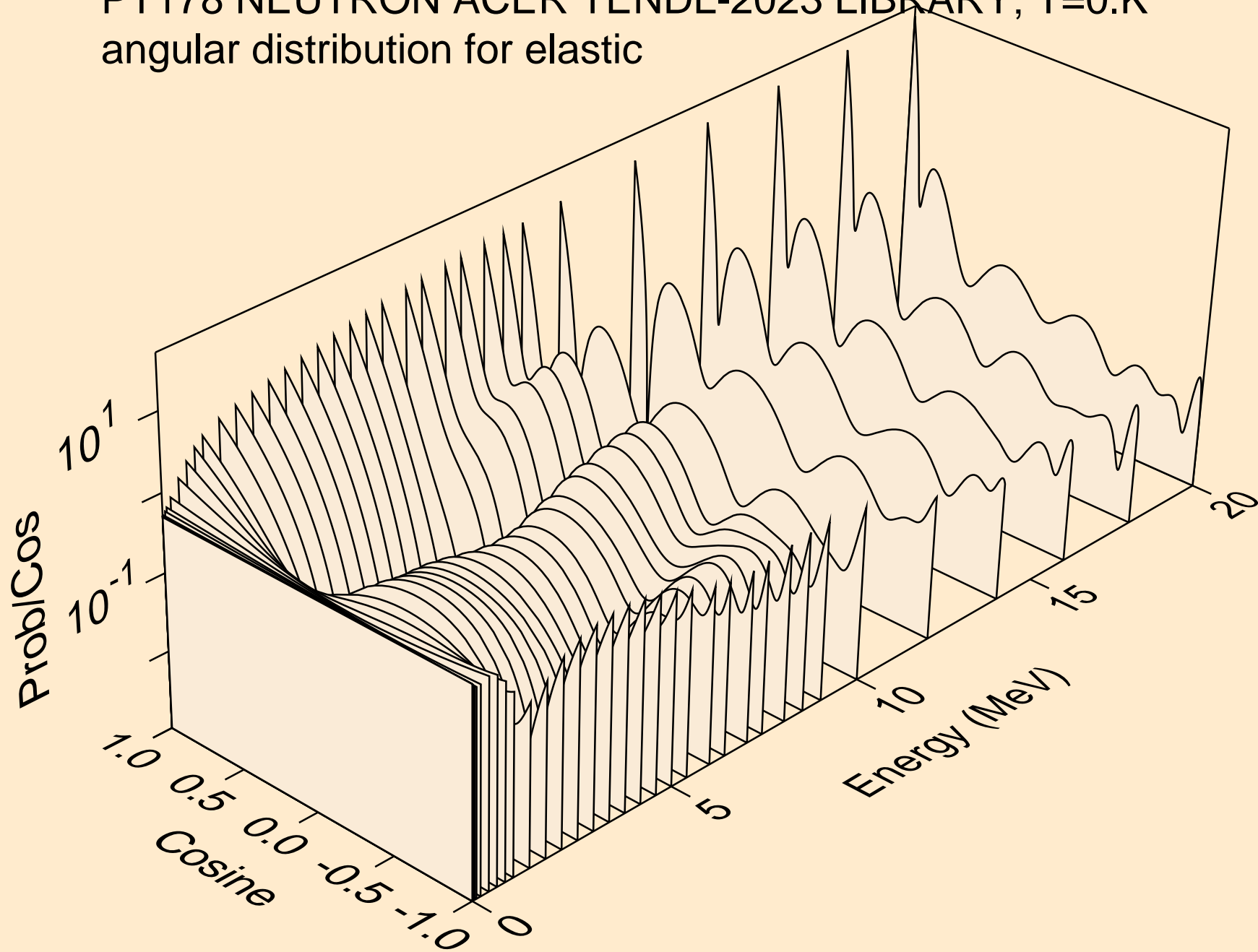
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



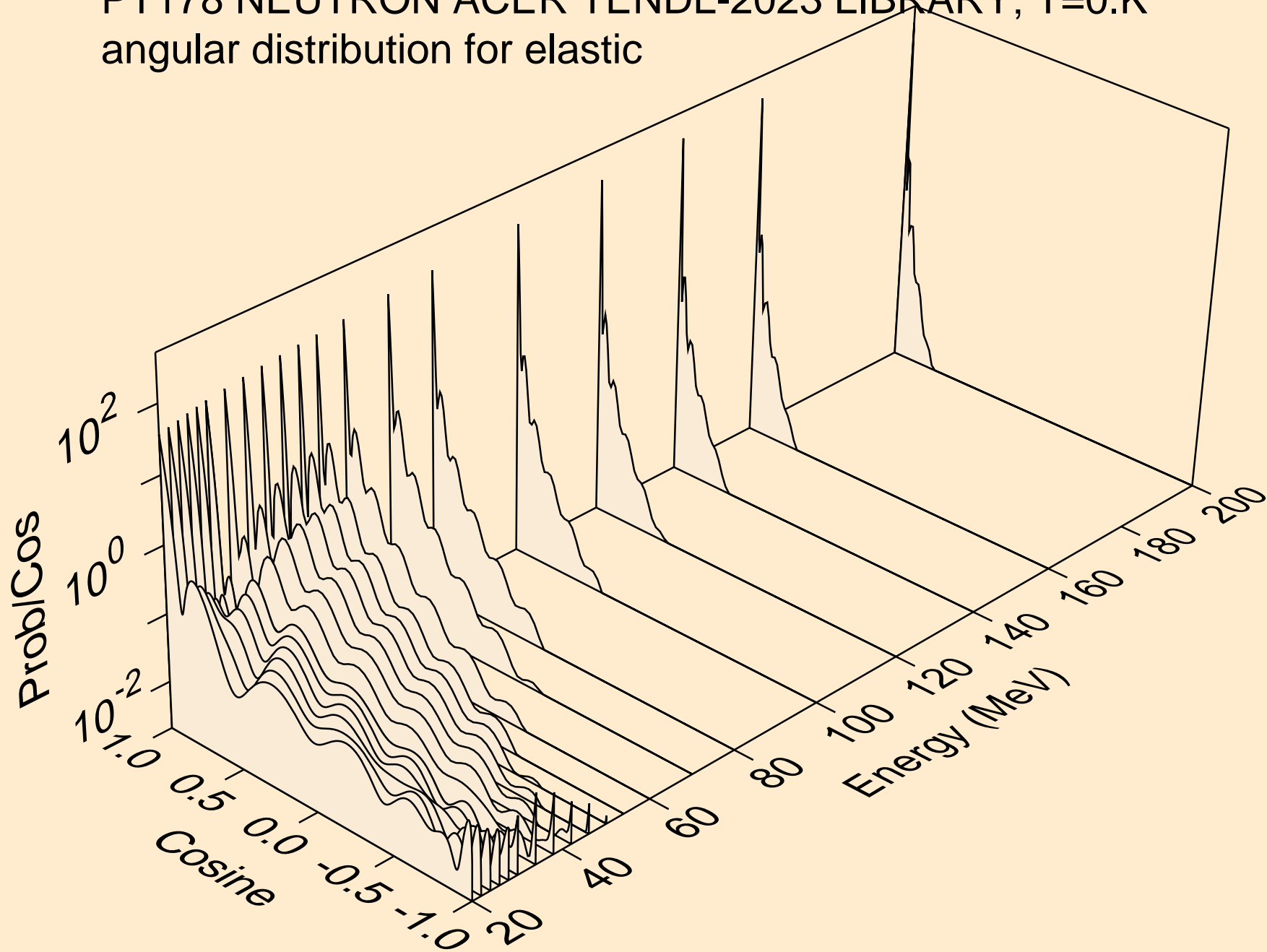
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



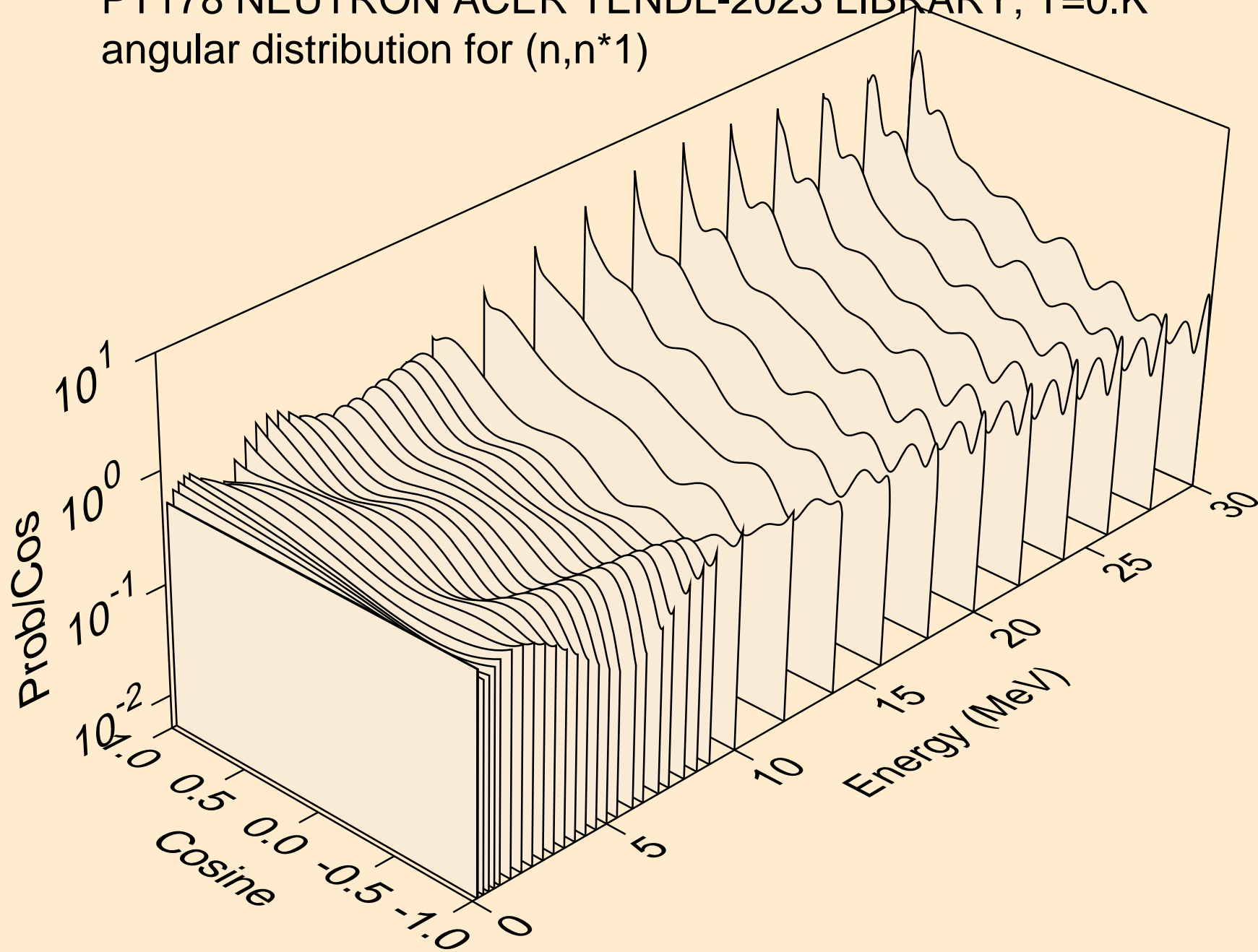
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic

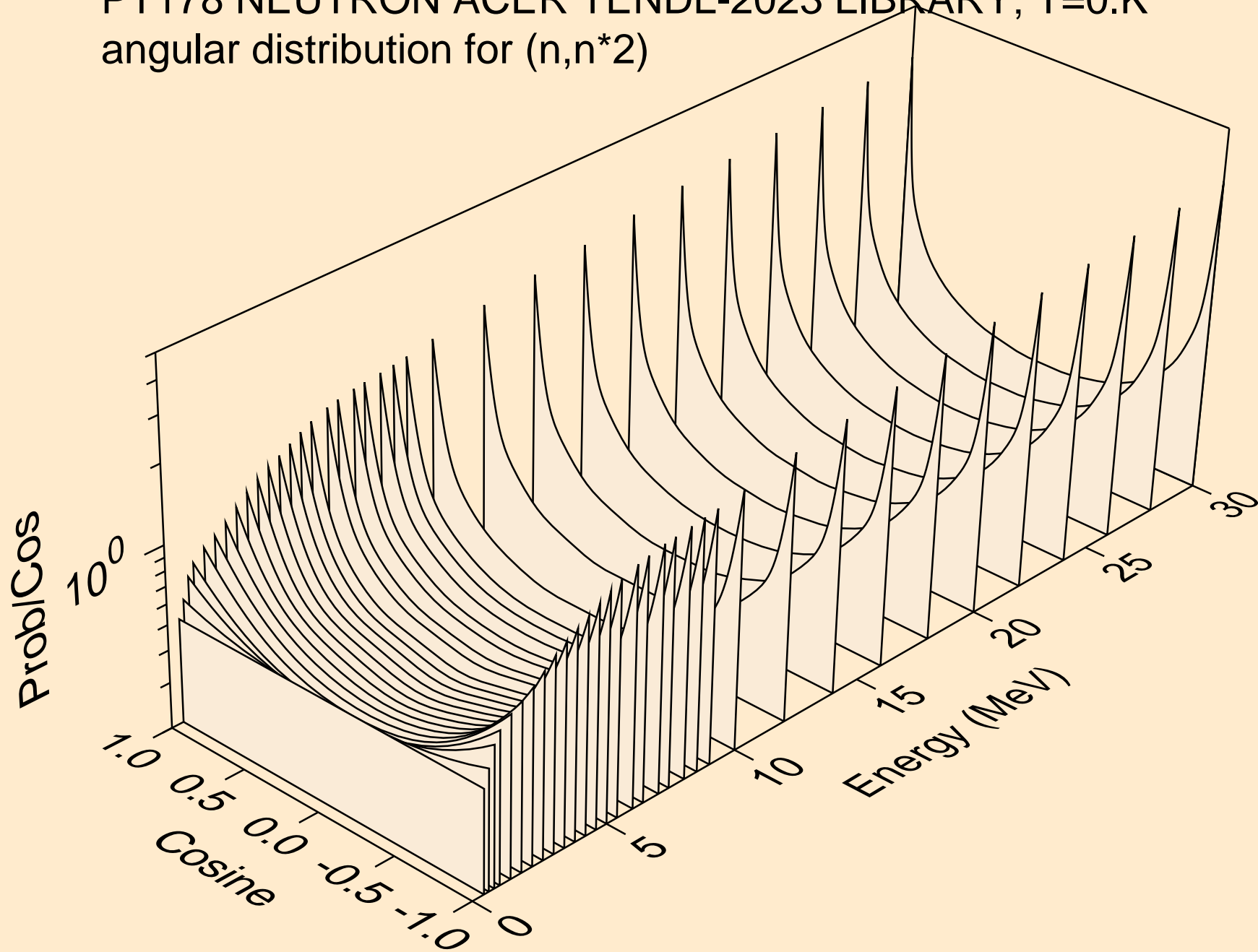


PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*1)

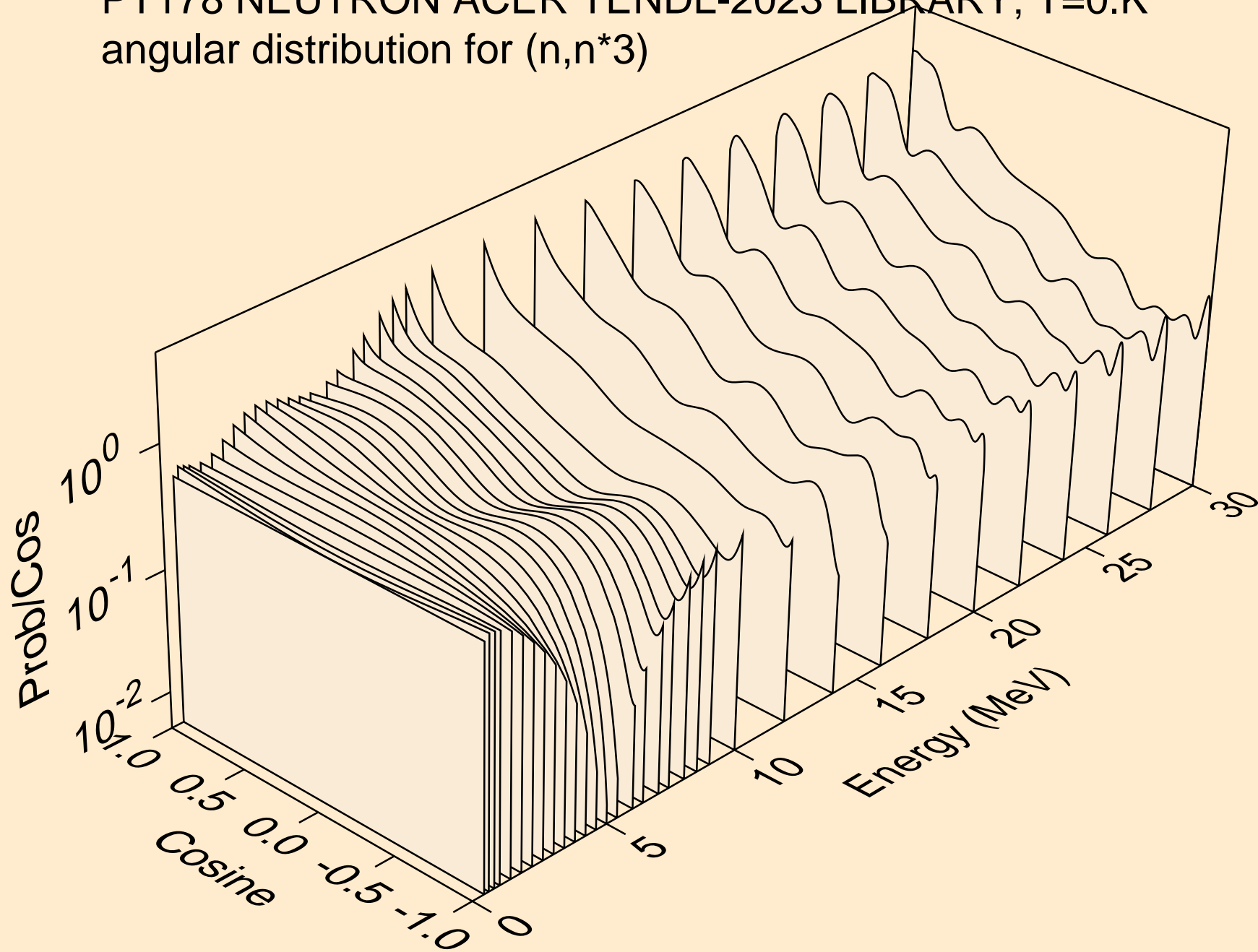




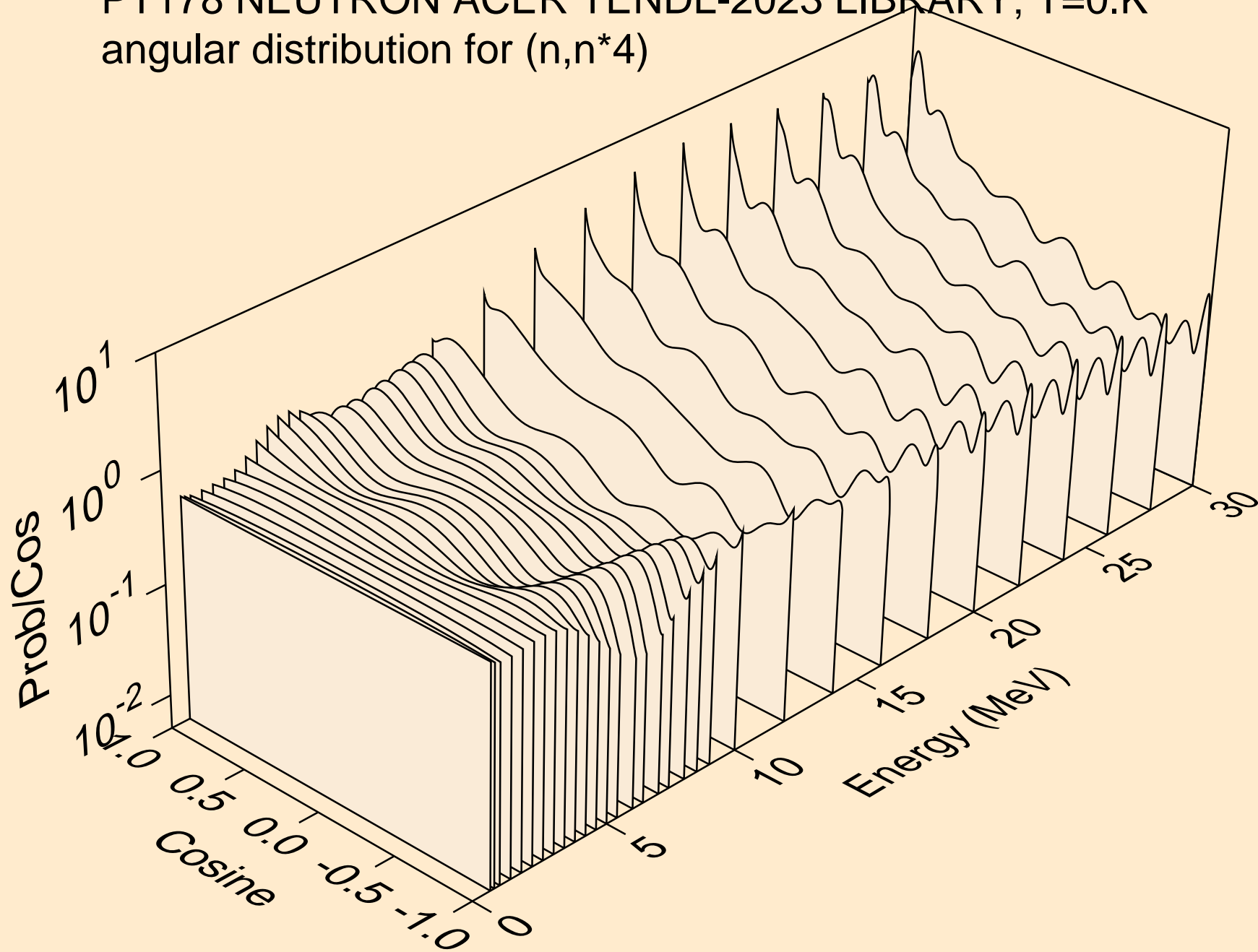
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*2)



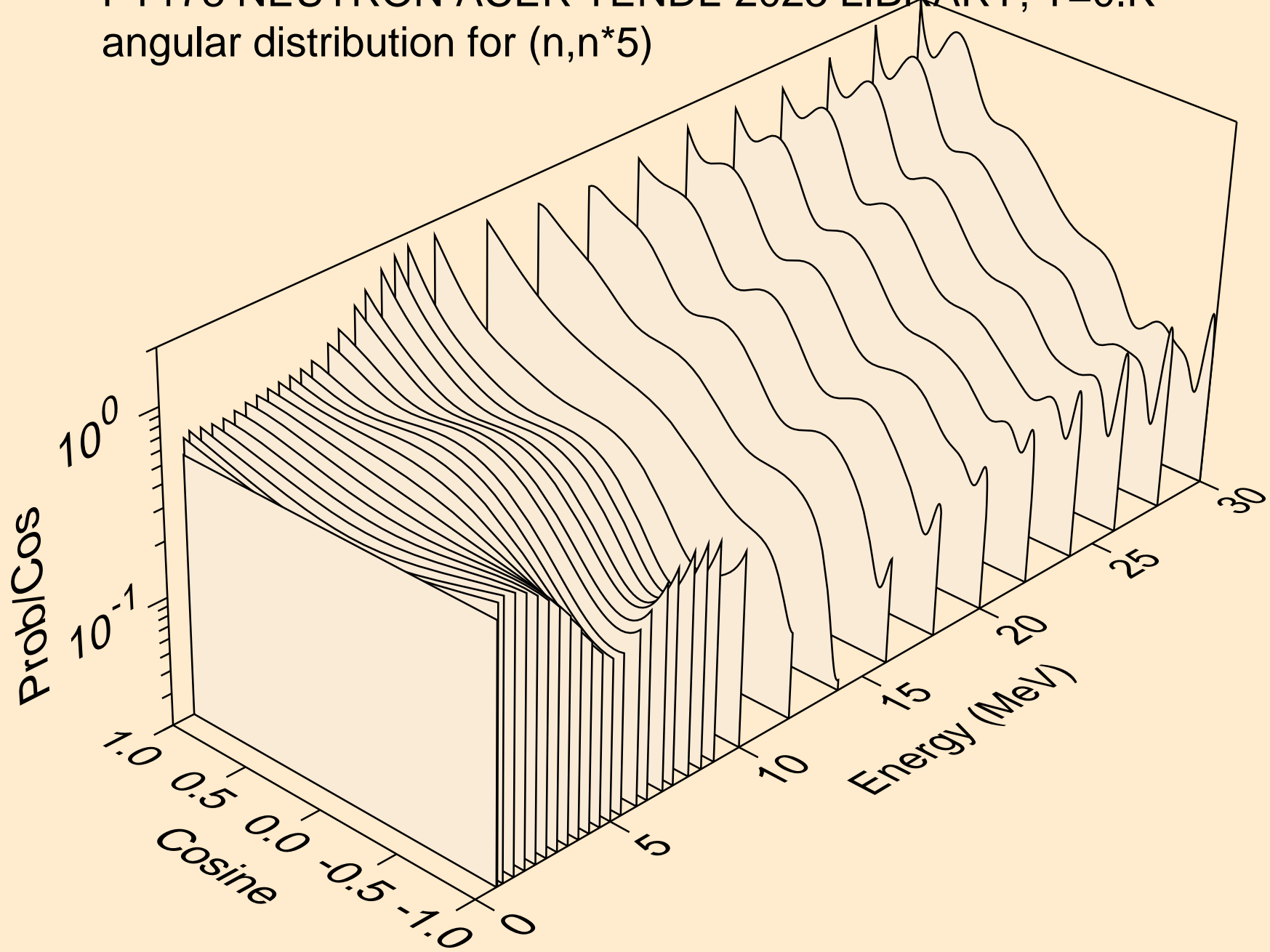
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*3)



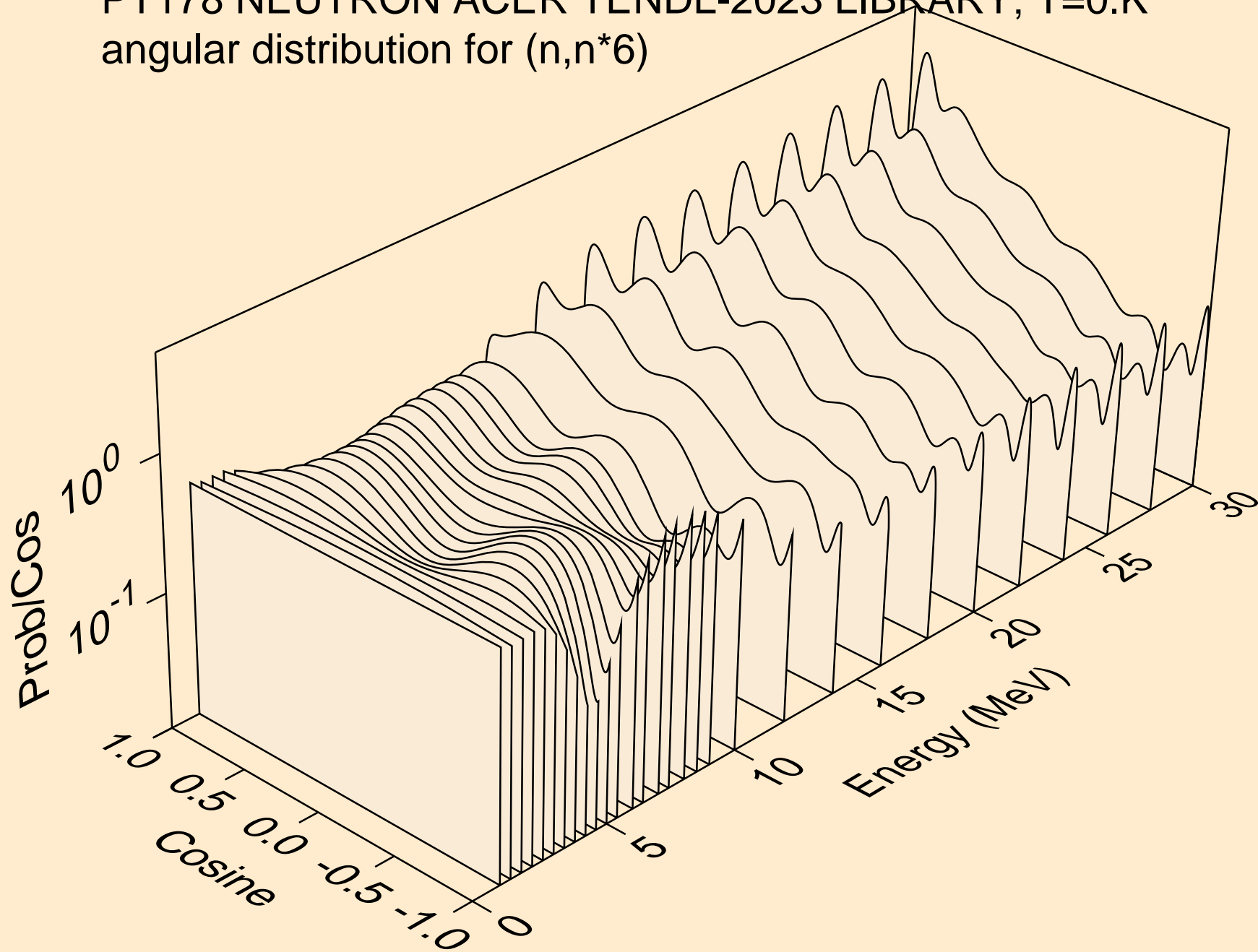
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*4)



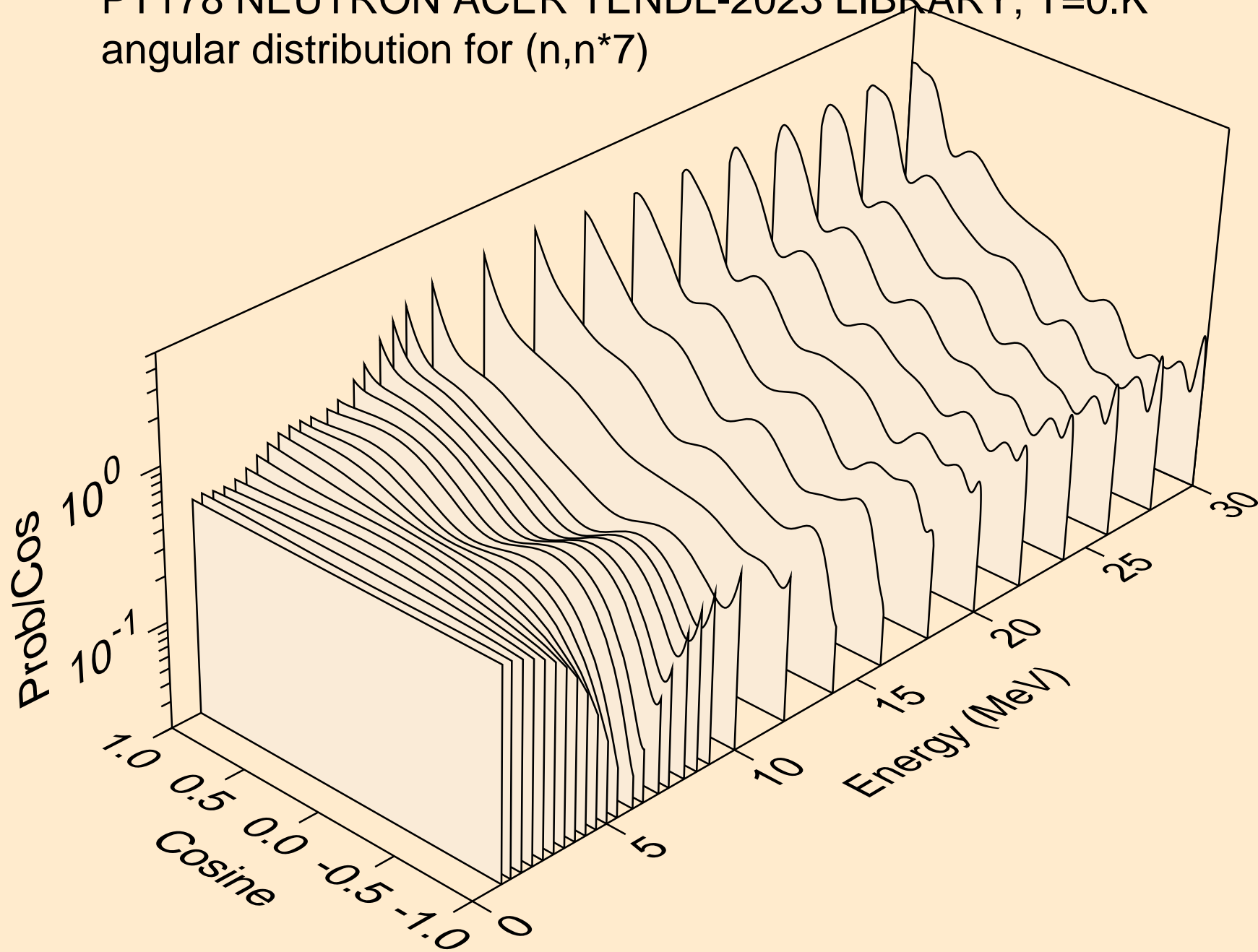
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*5)



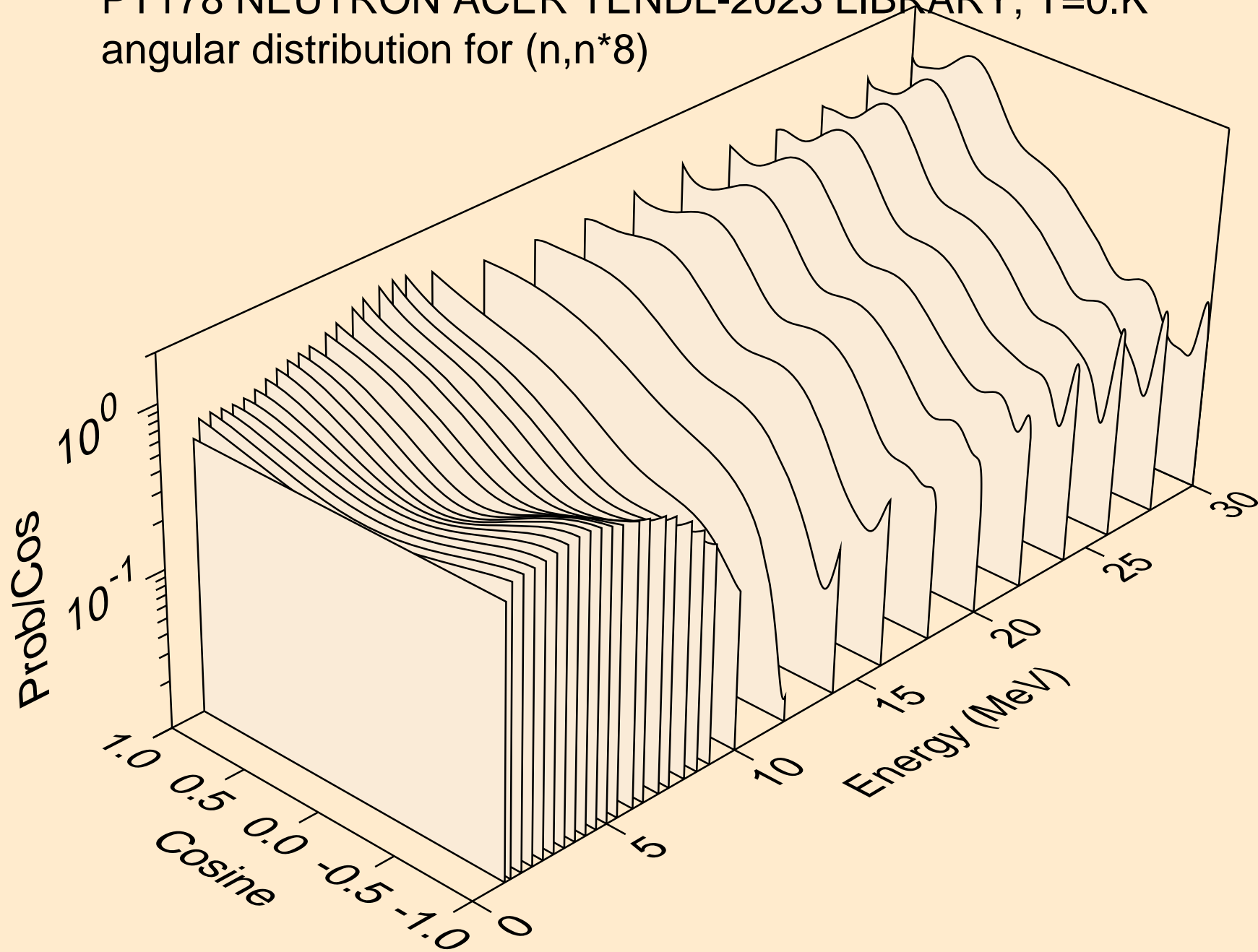
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*6)



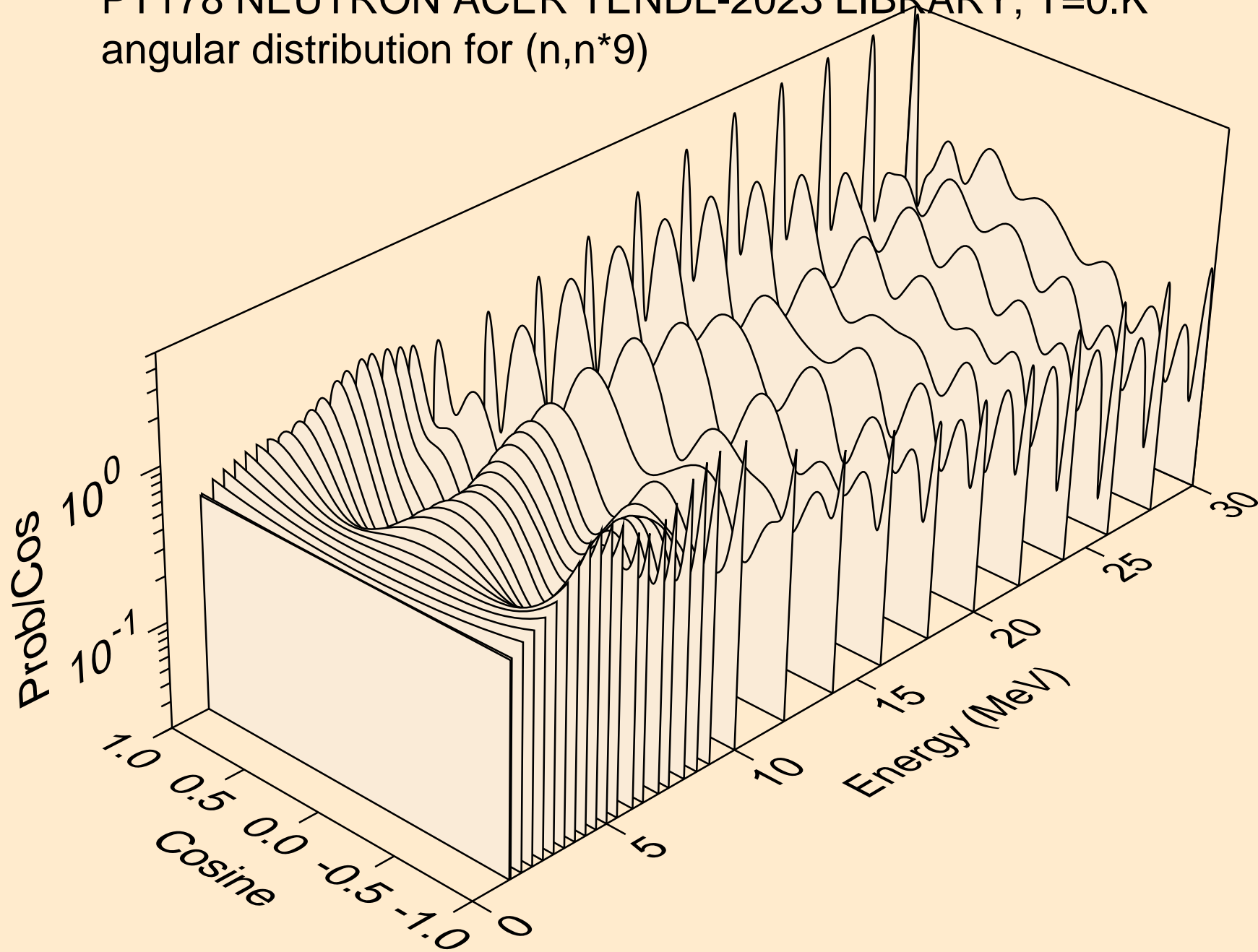
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*7)



PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*8)

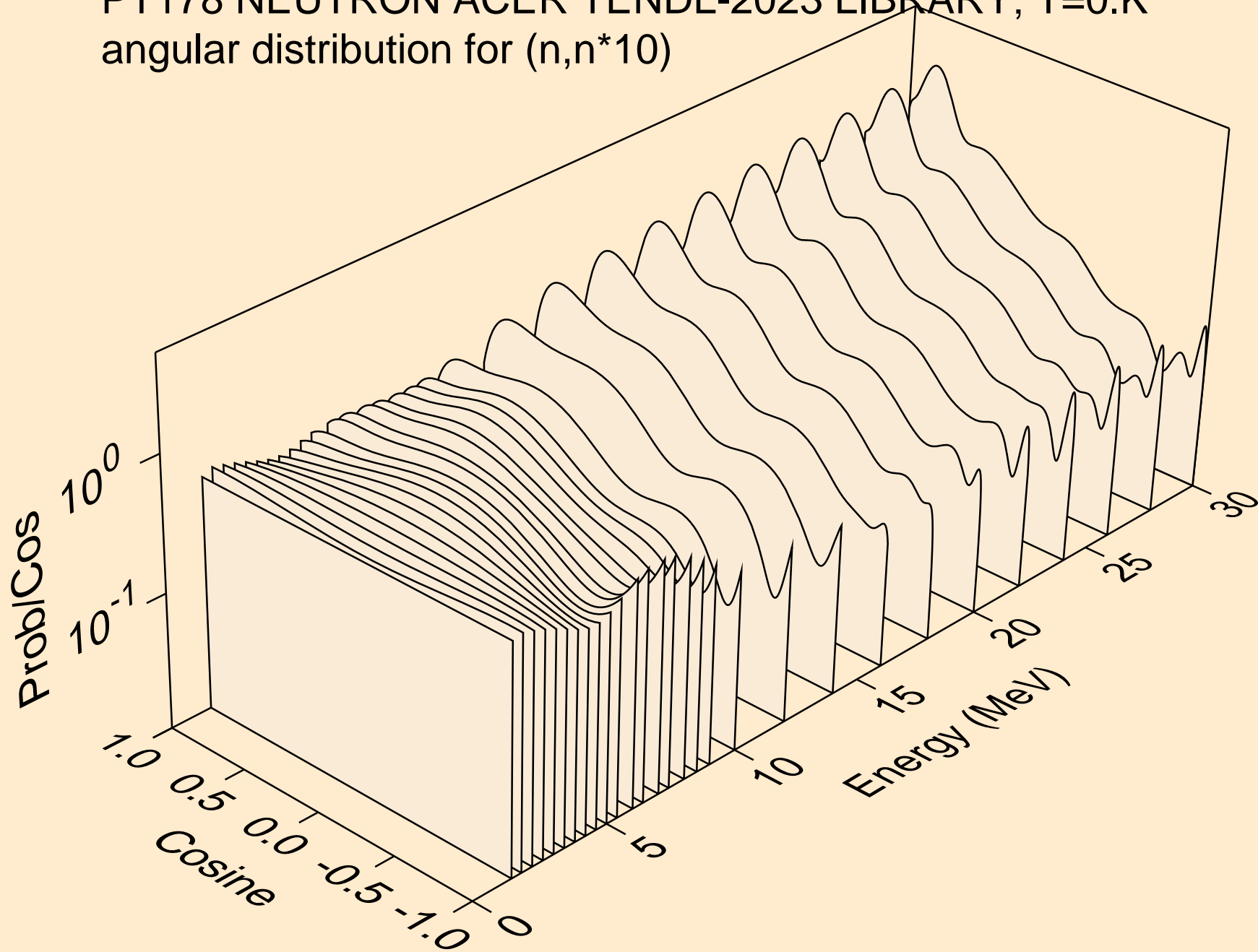


PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*9)

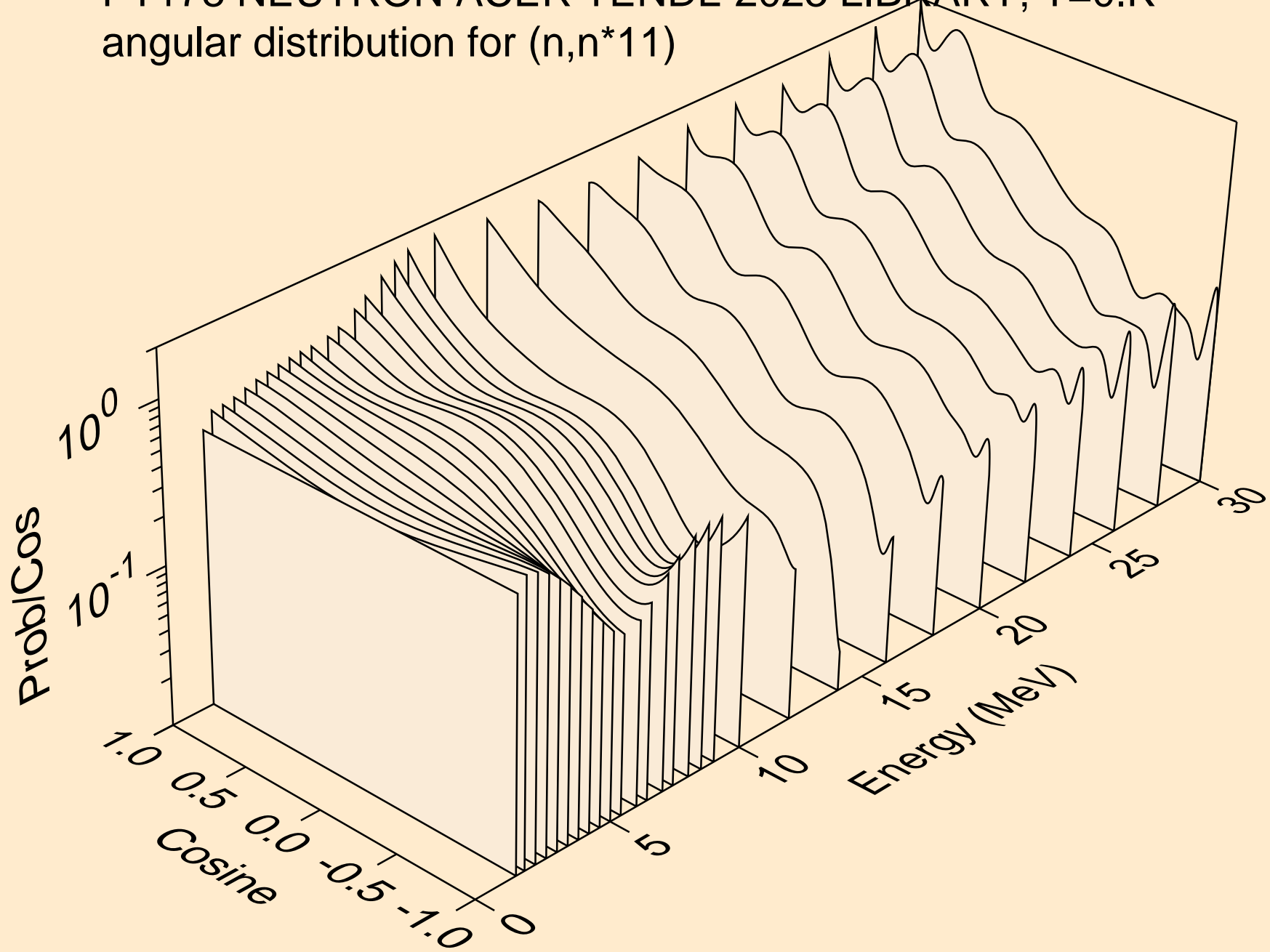




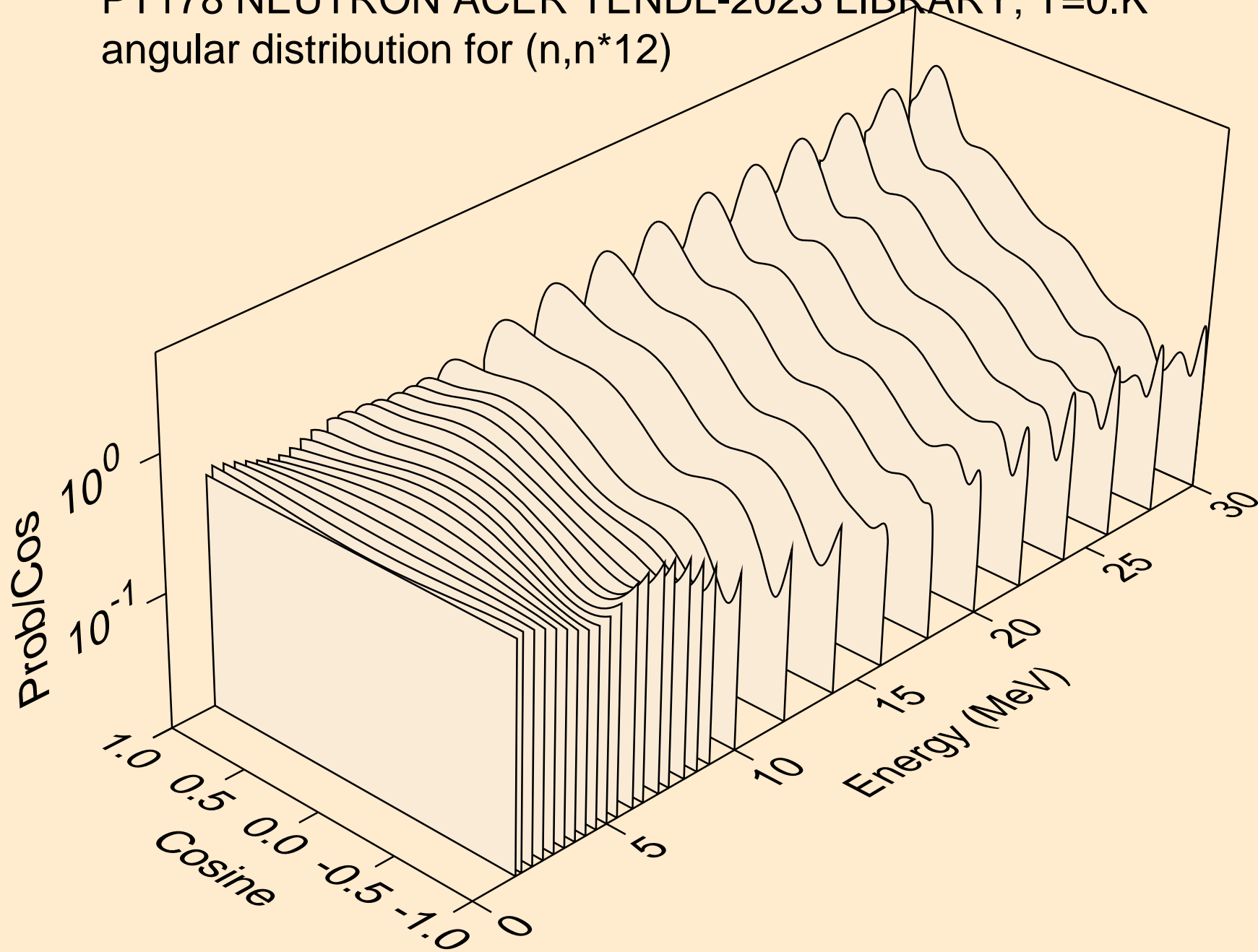
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*10)



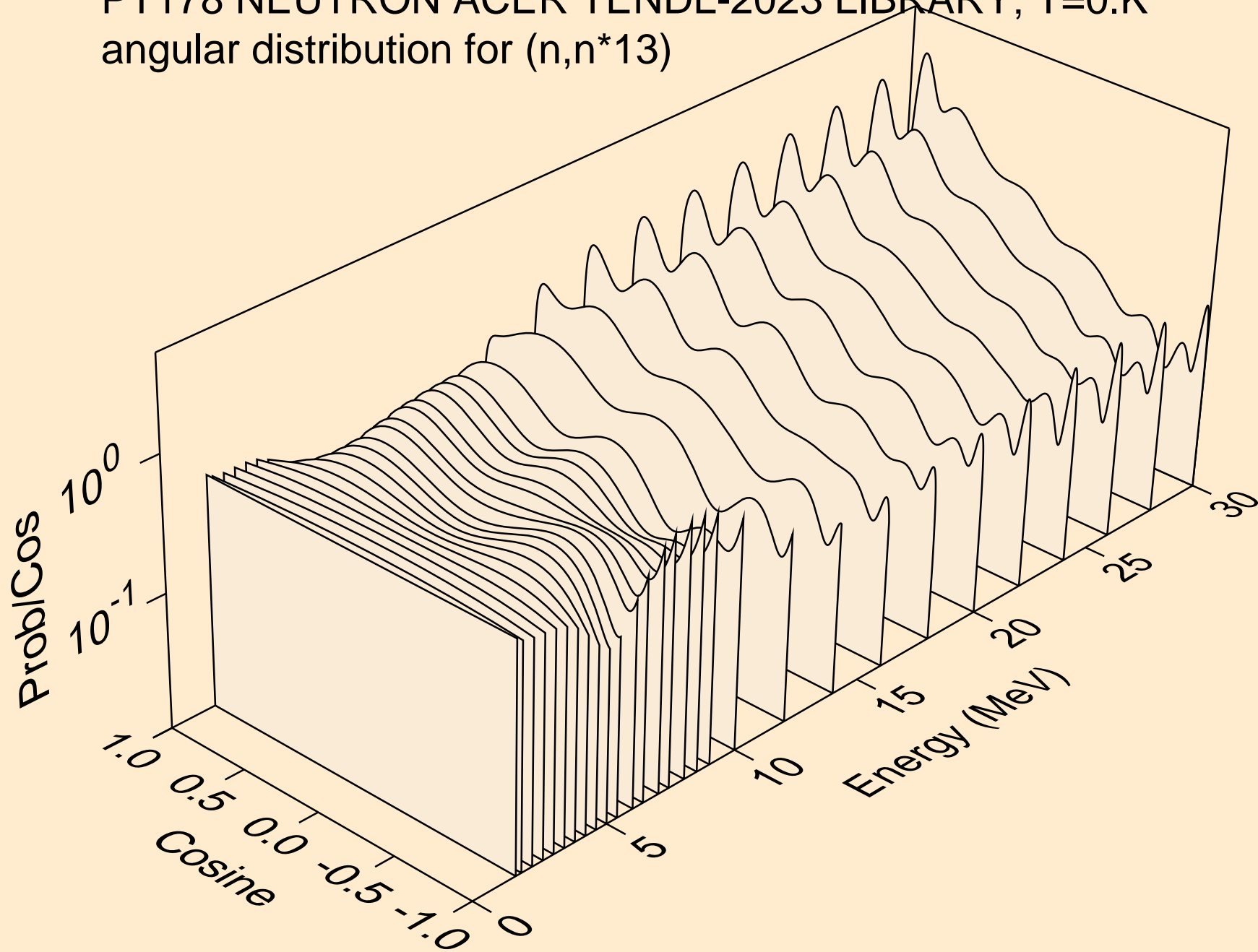
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*11)



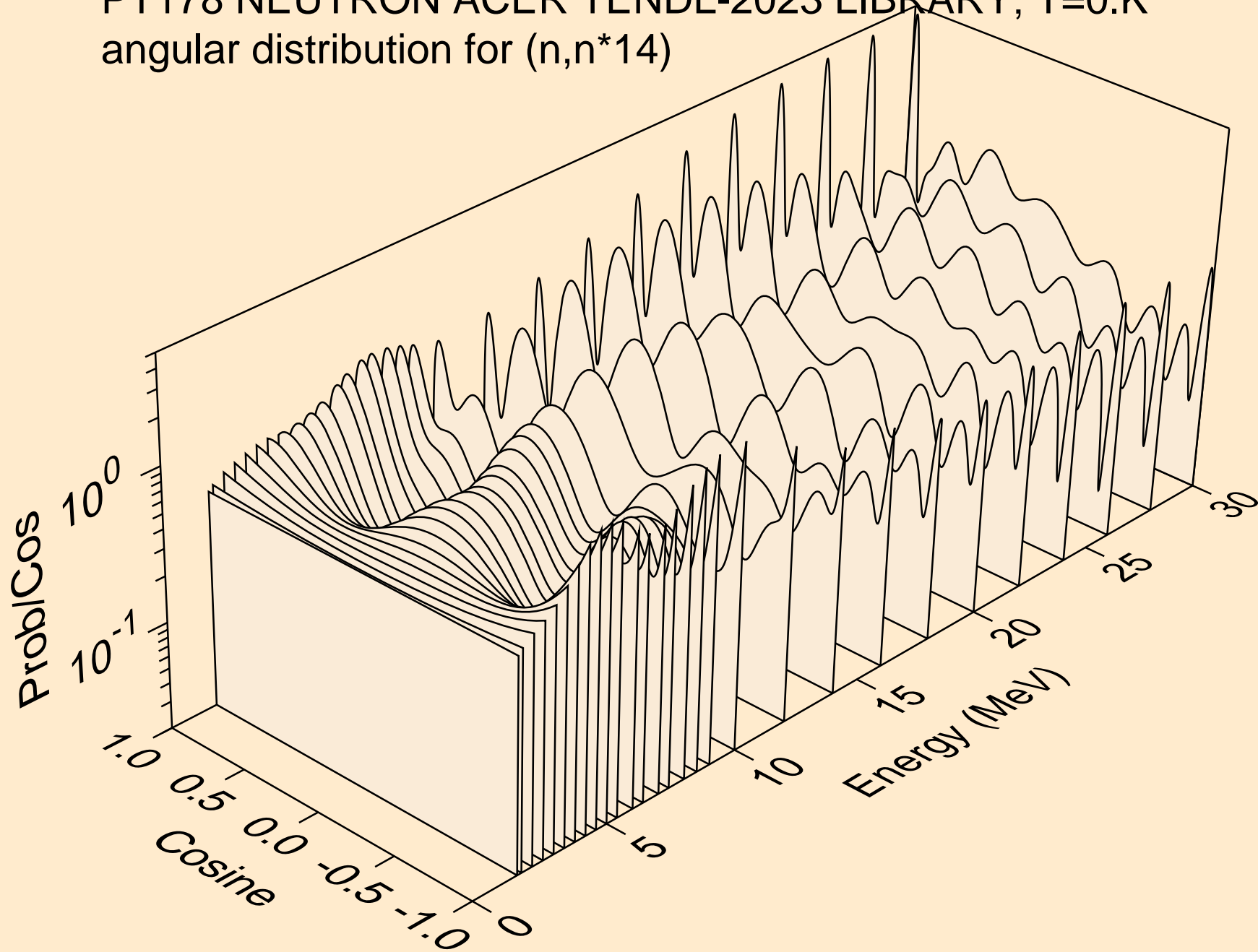
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*12)



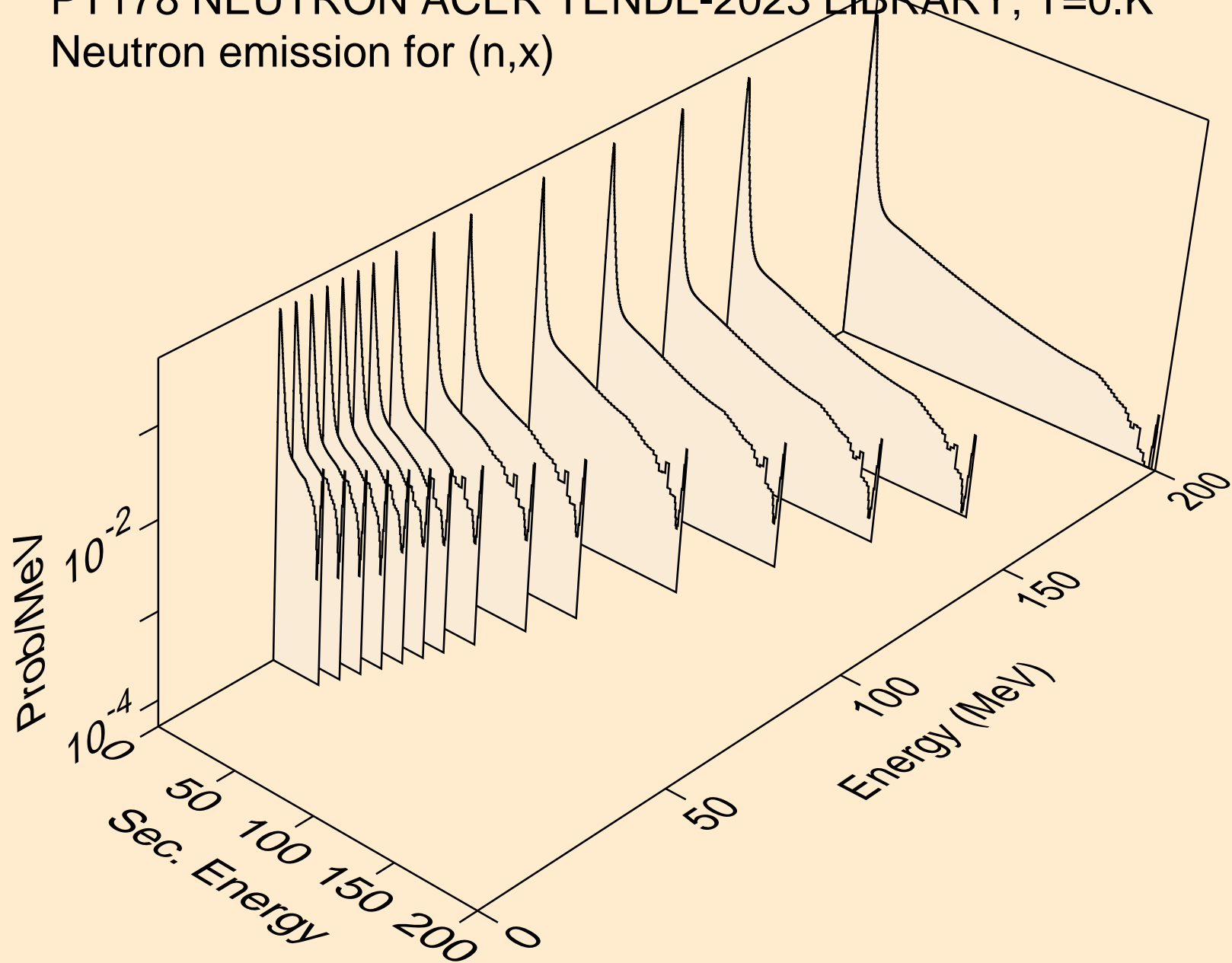
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*13)



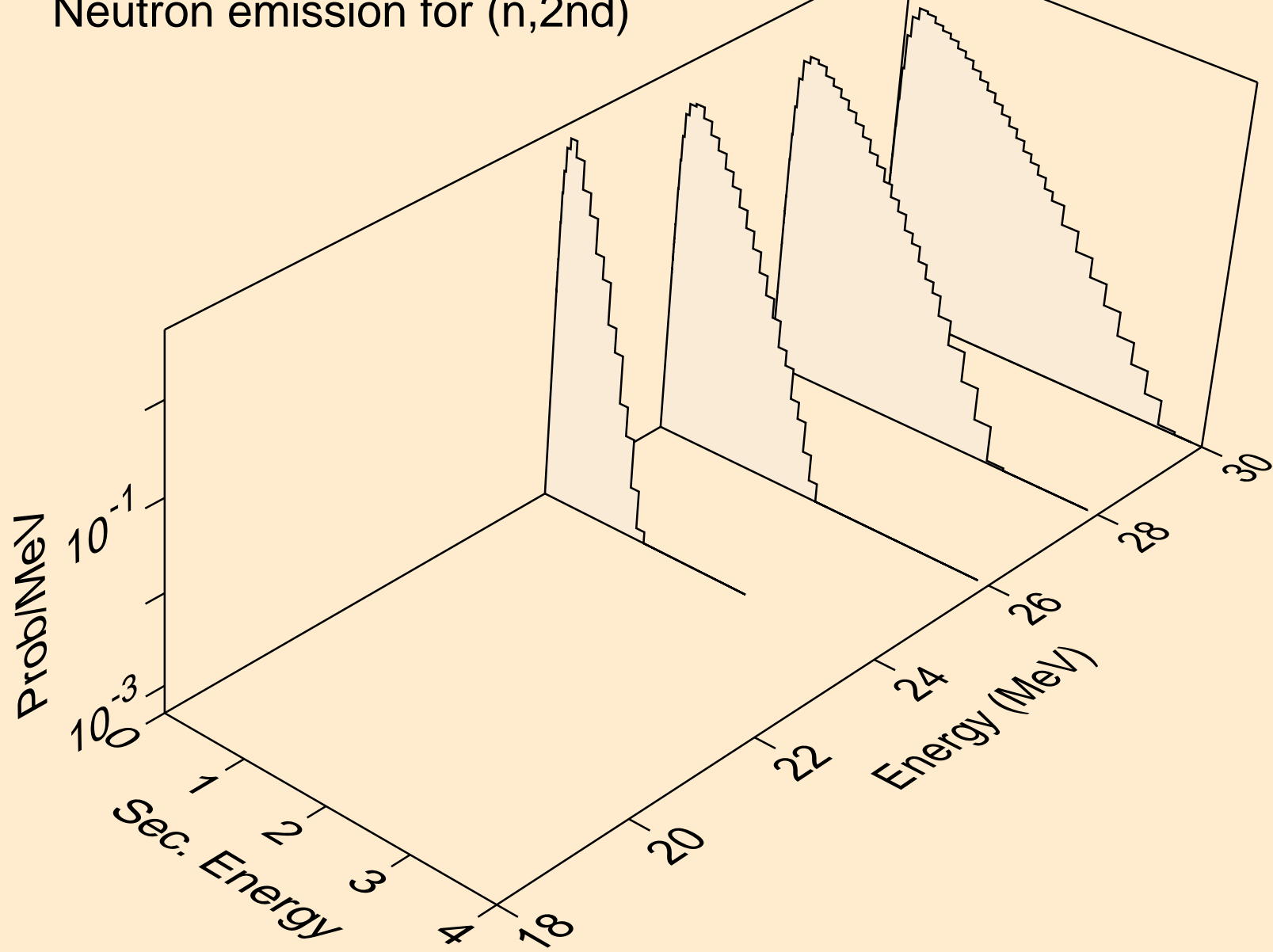
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*14)



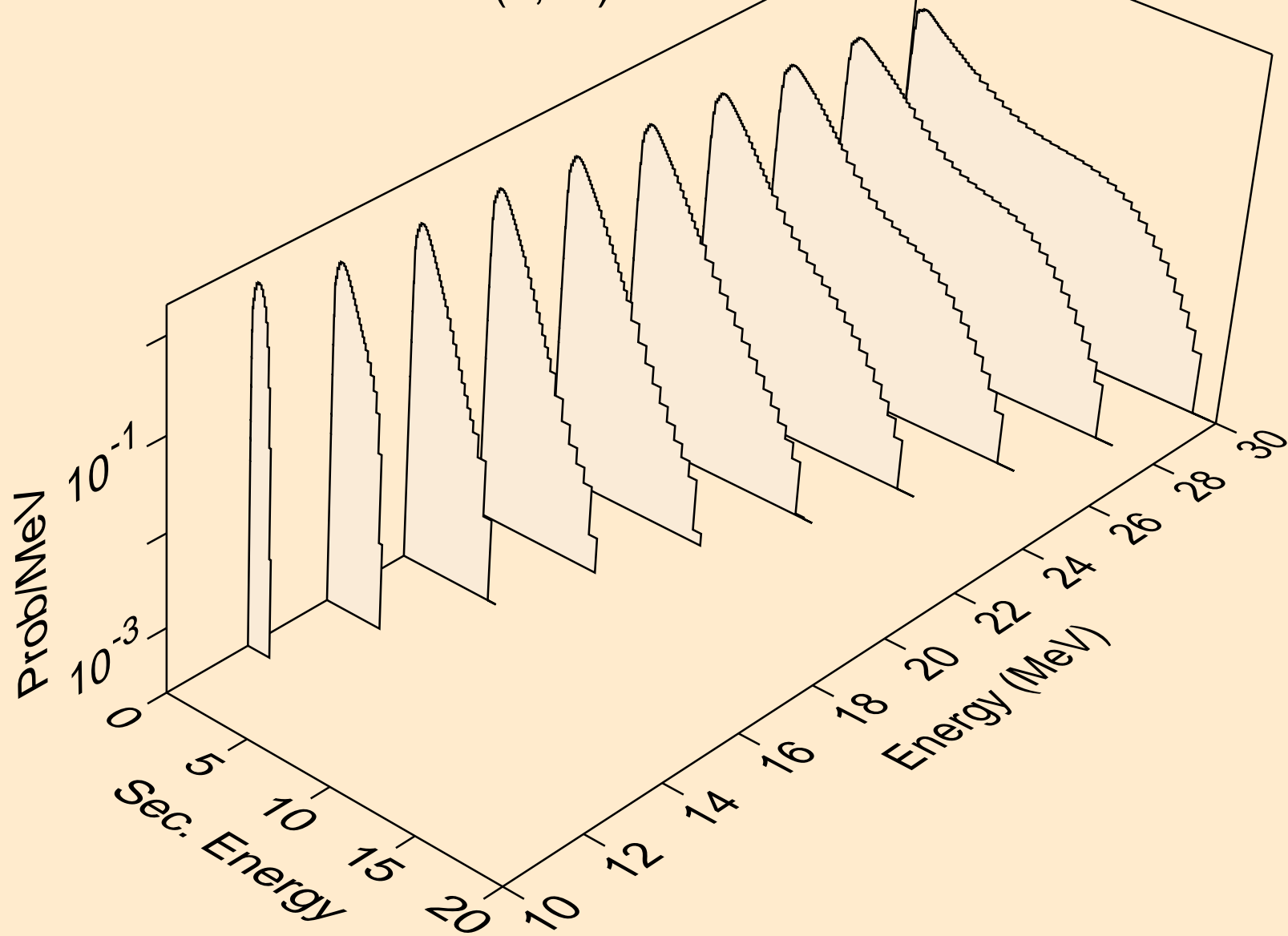
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,x)



PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2nd)

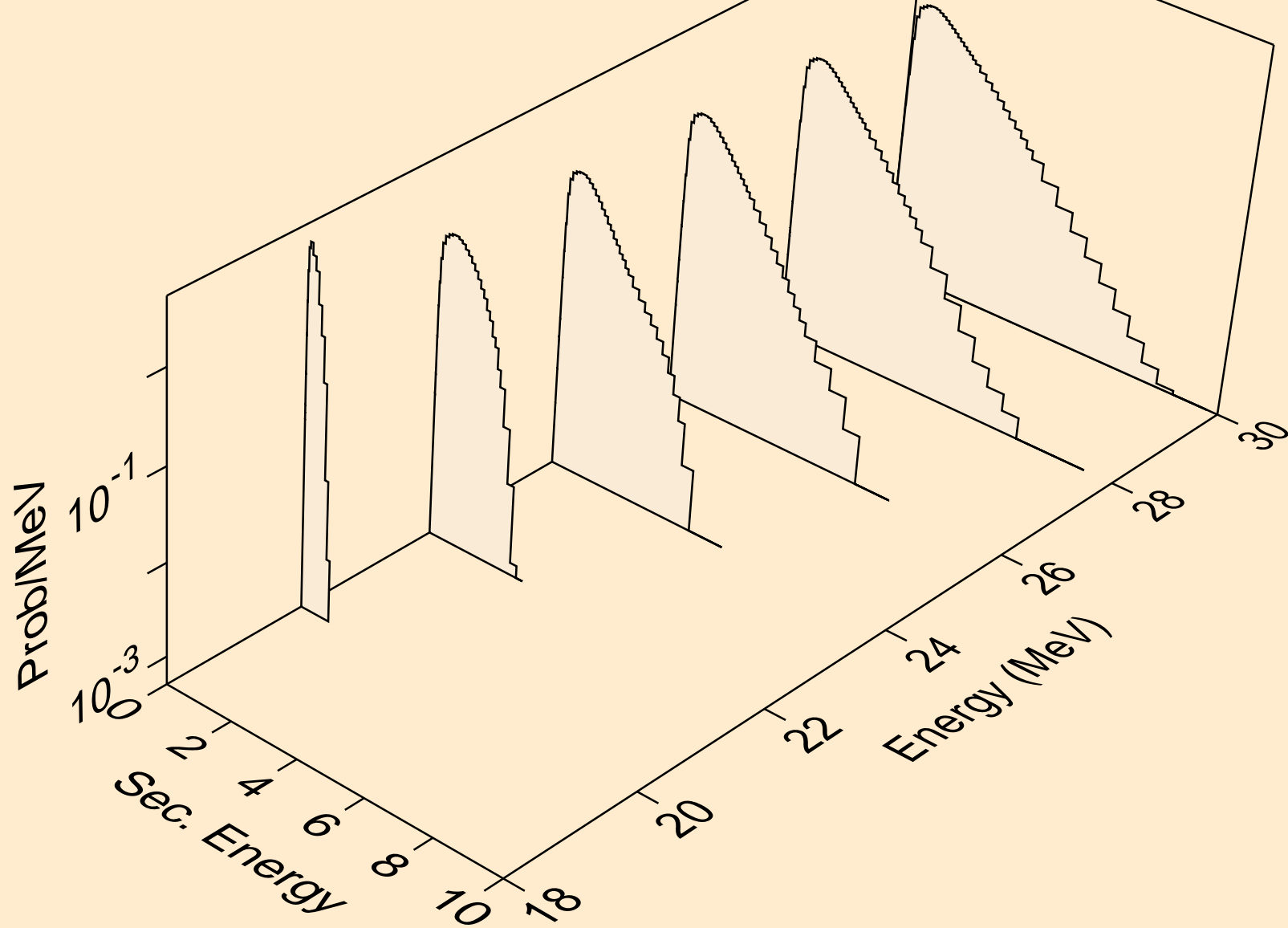


PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)

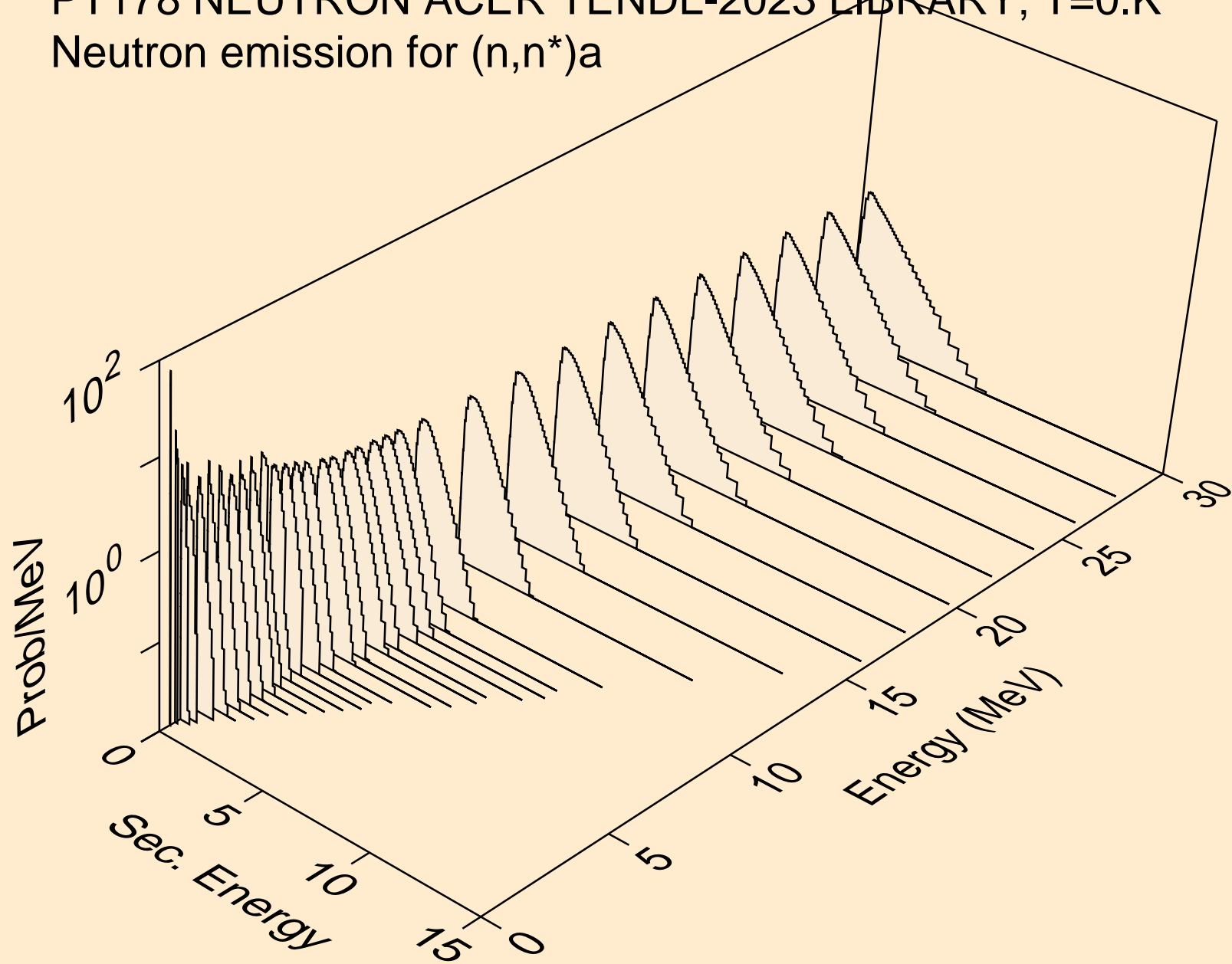




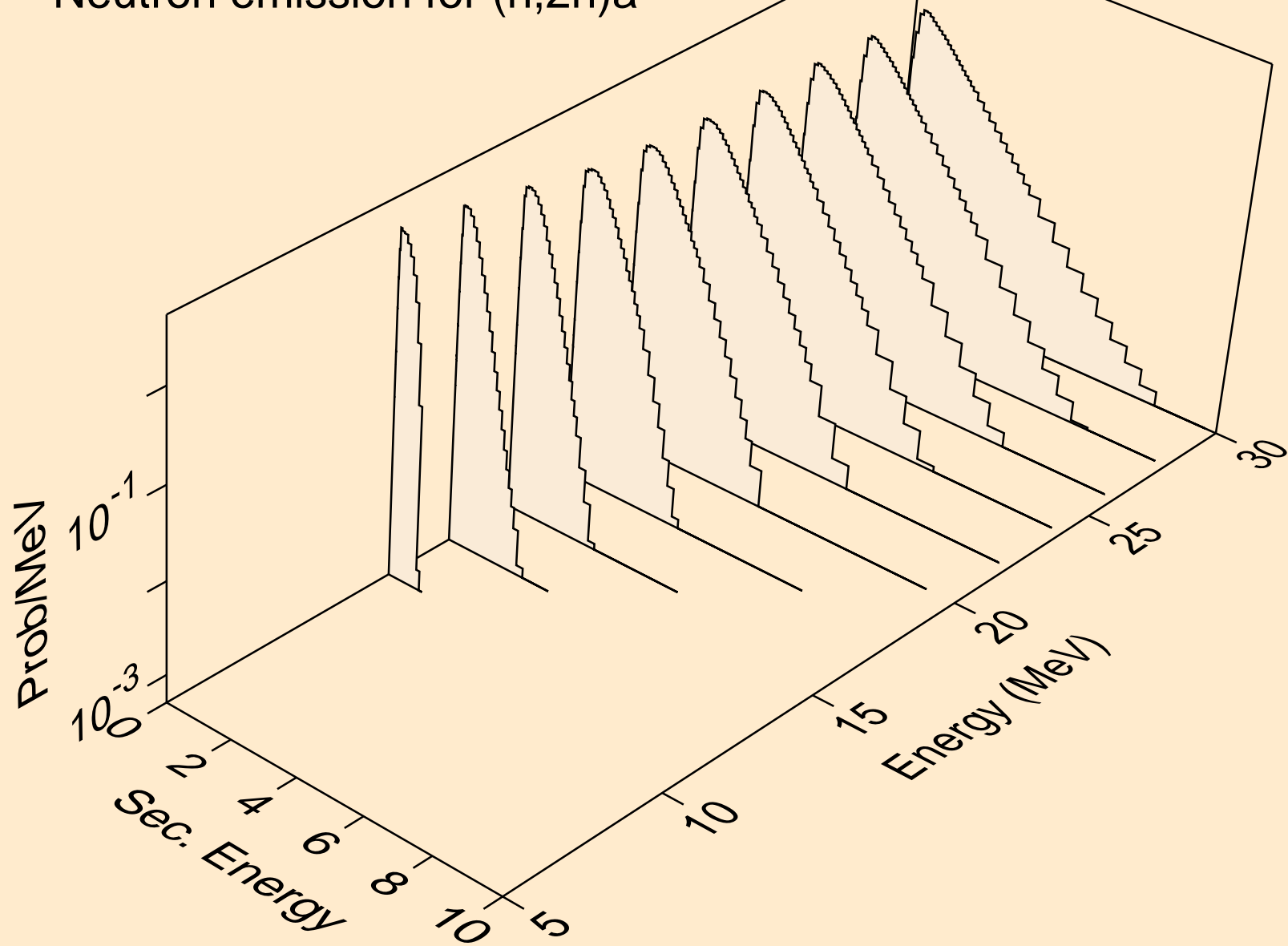
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)



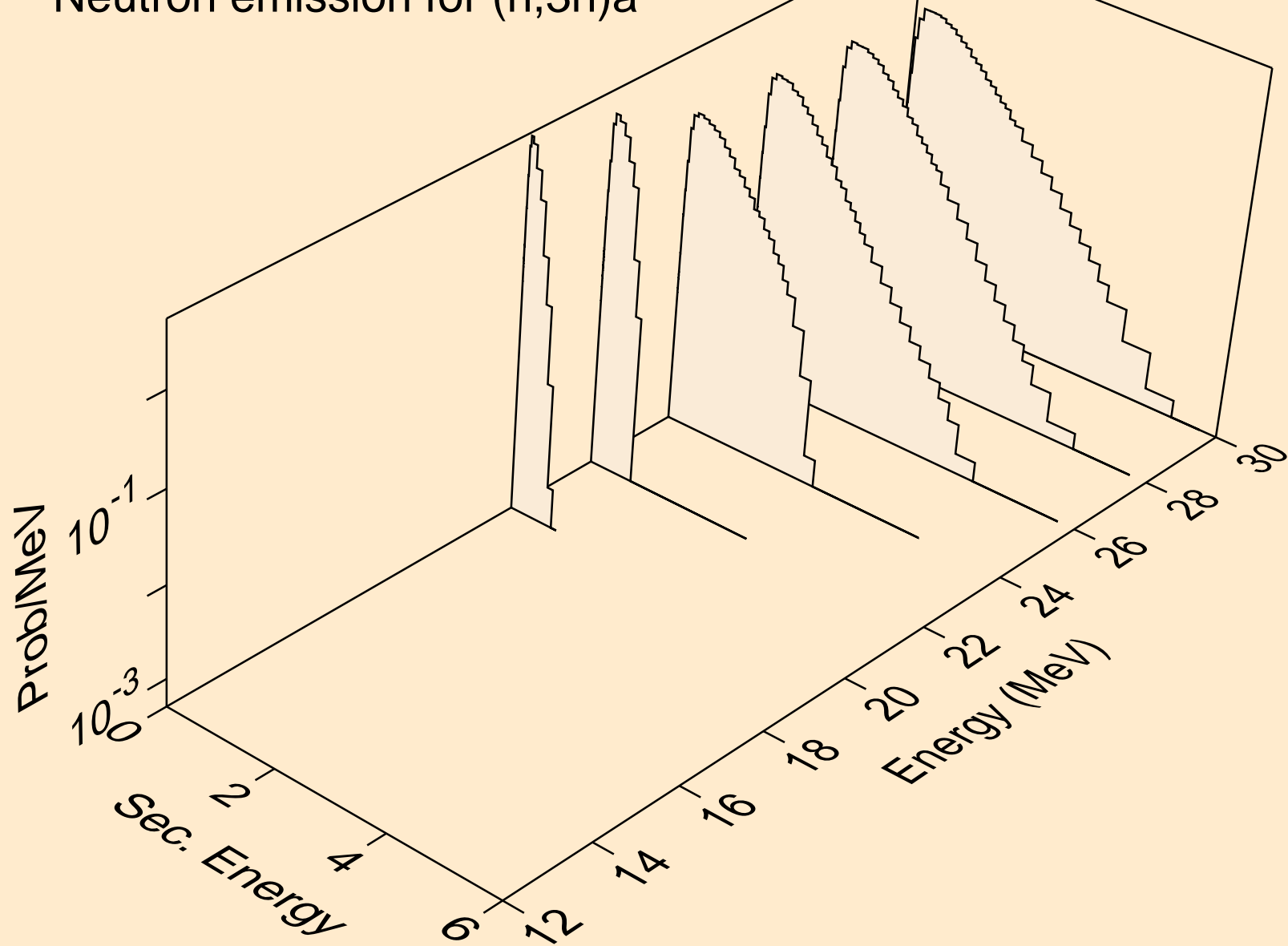
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



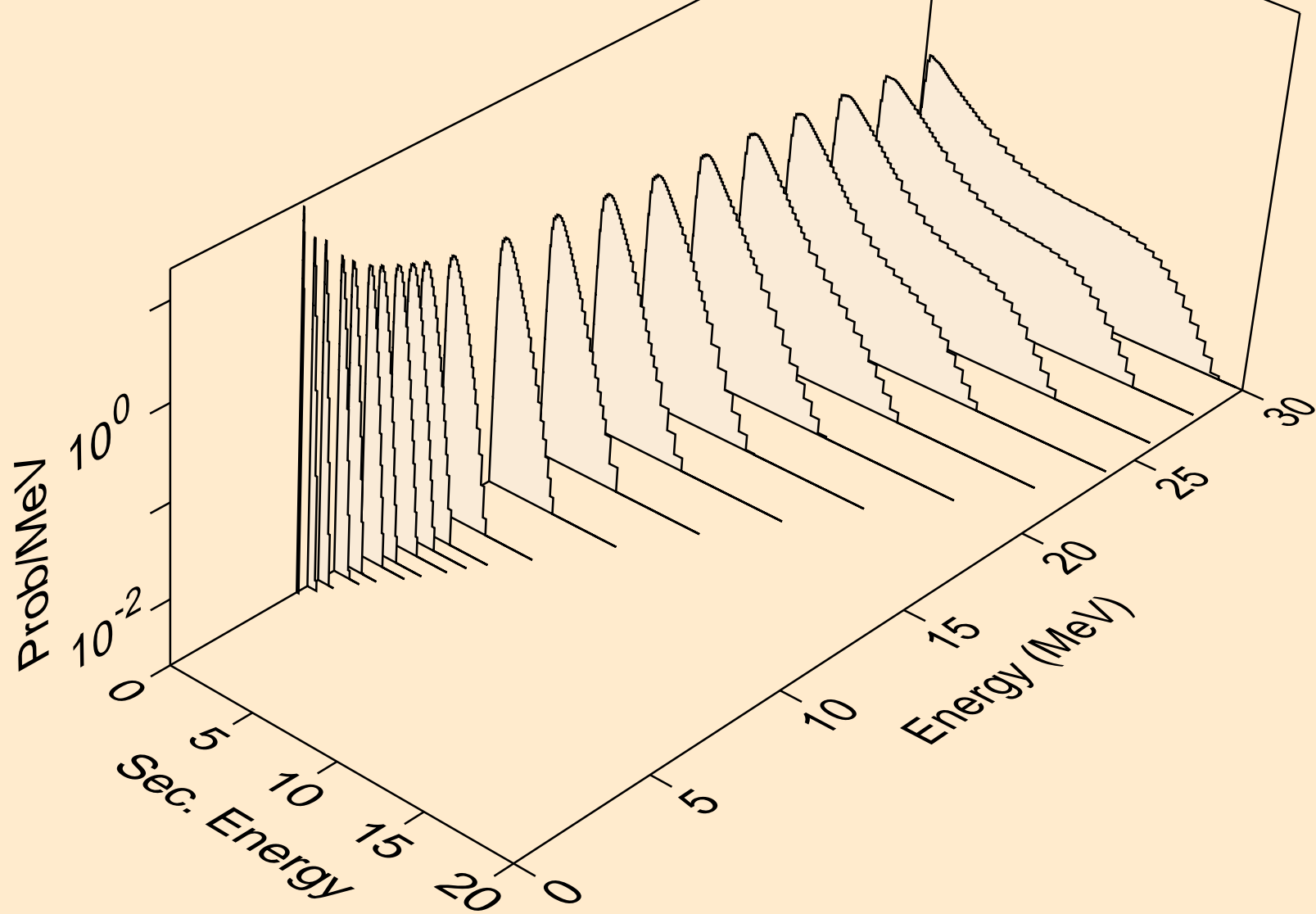
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)a



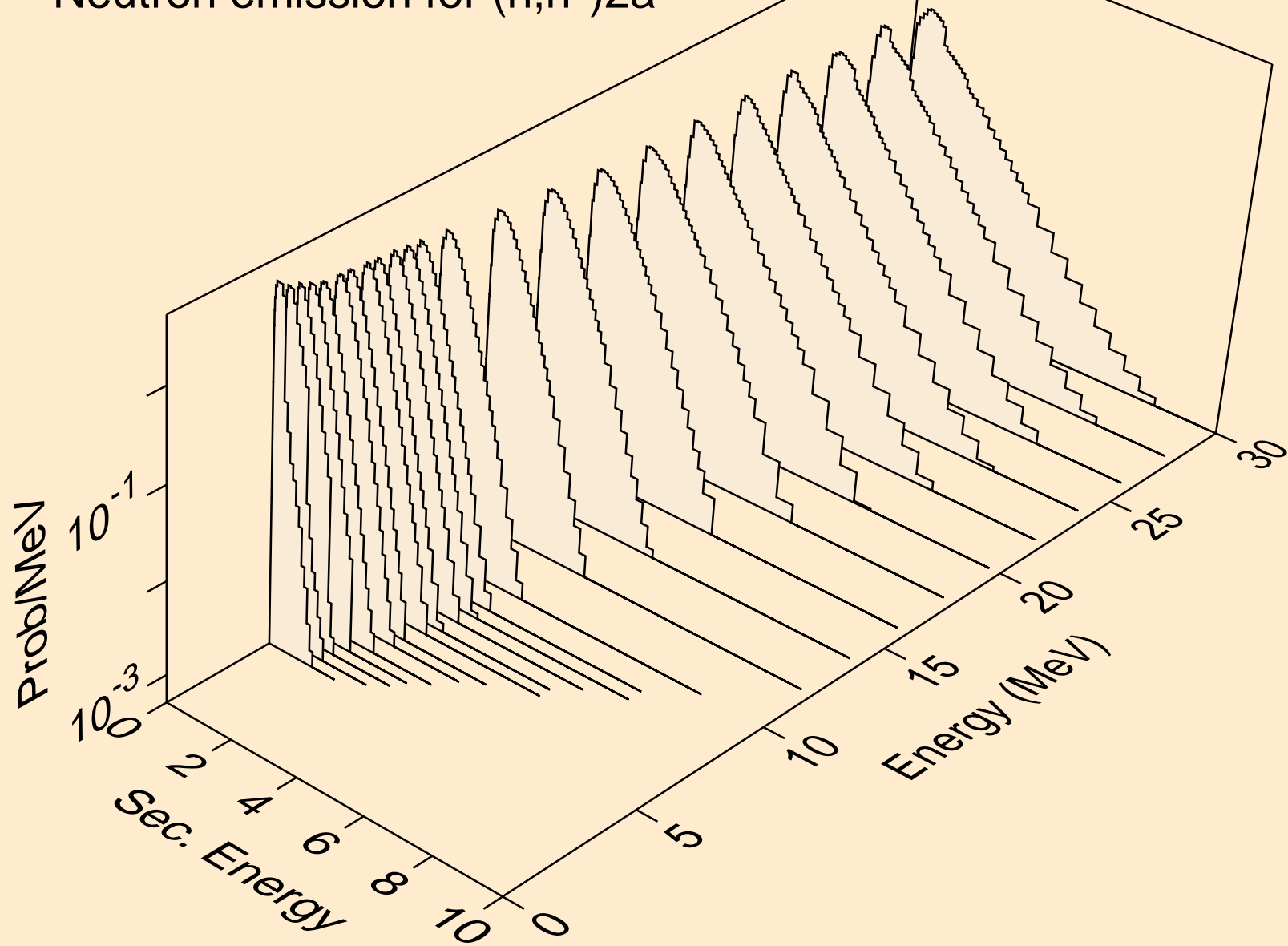
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)a



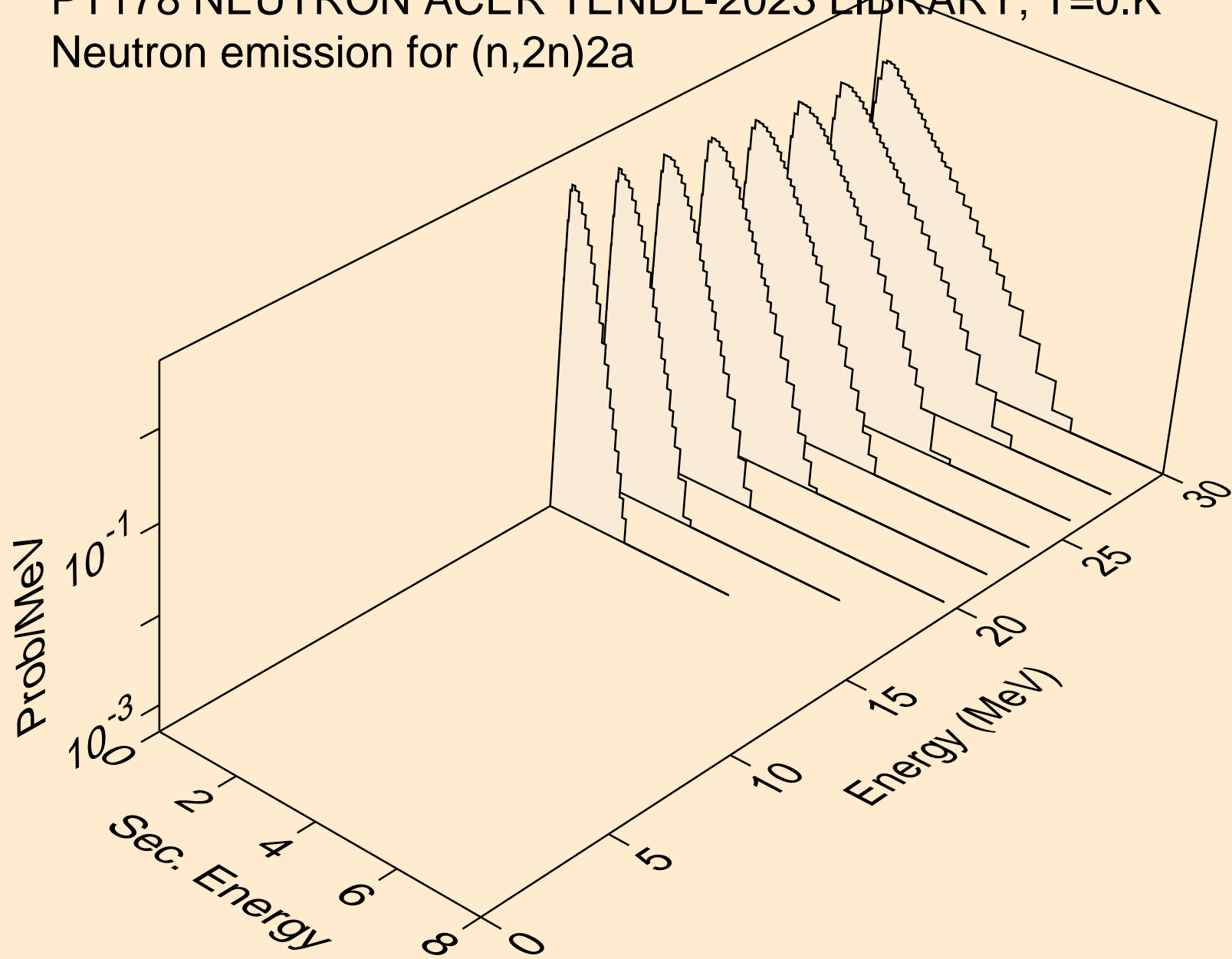
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



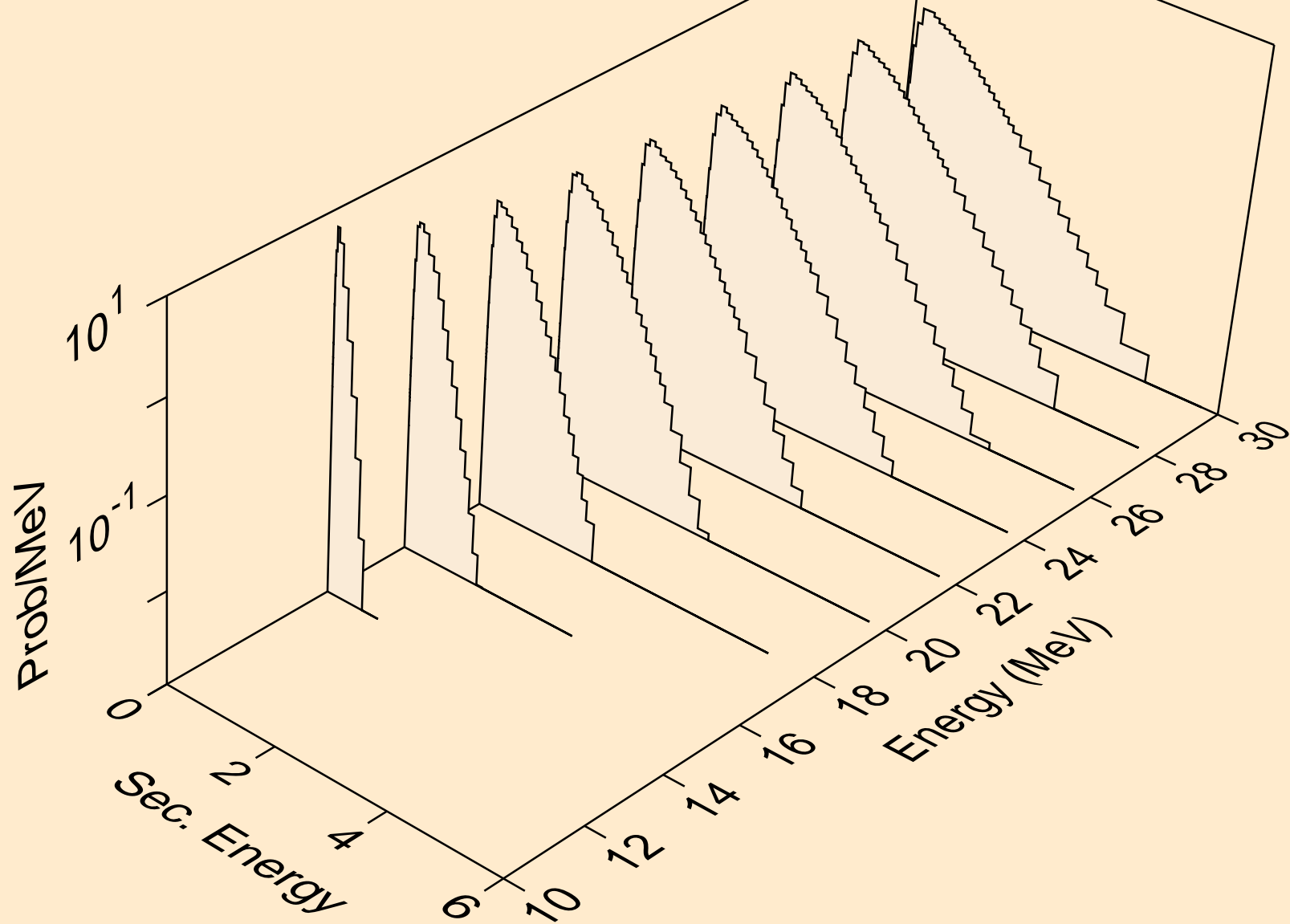
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)2a



PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)2a

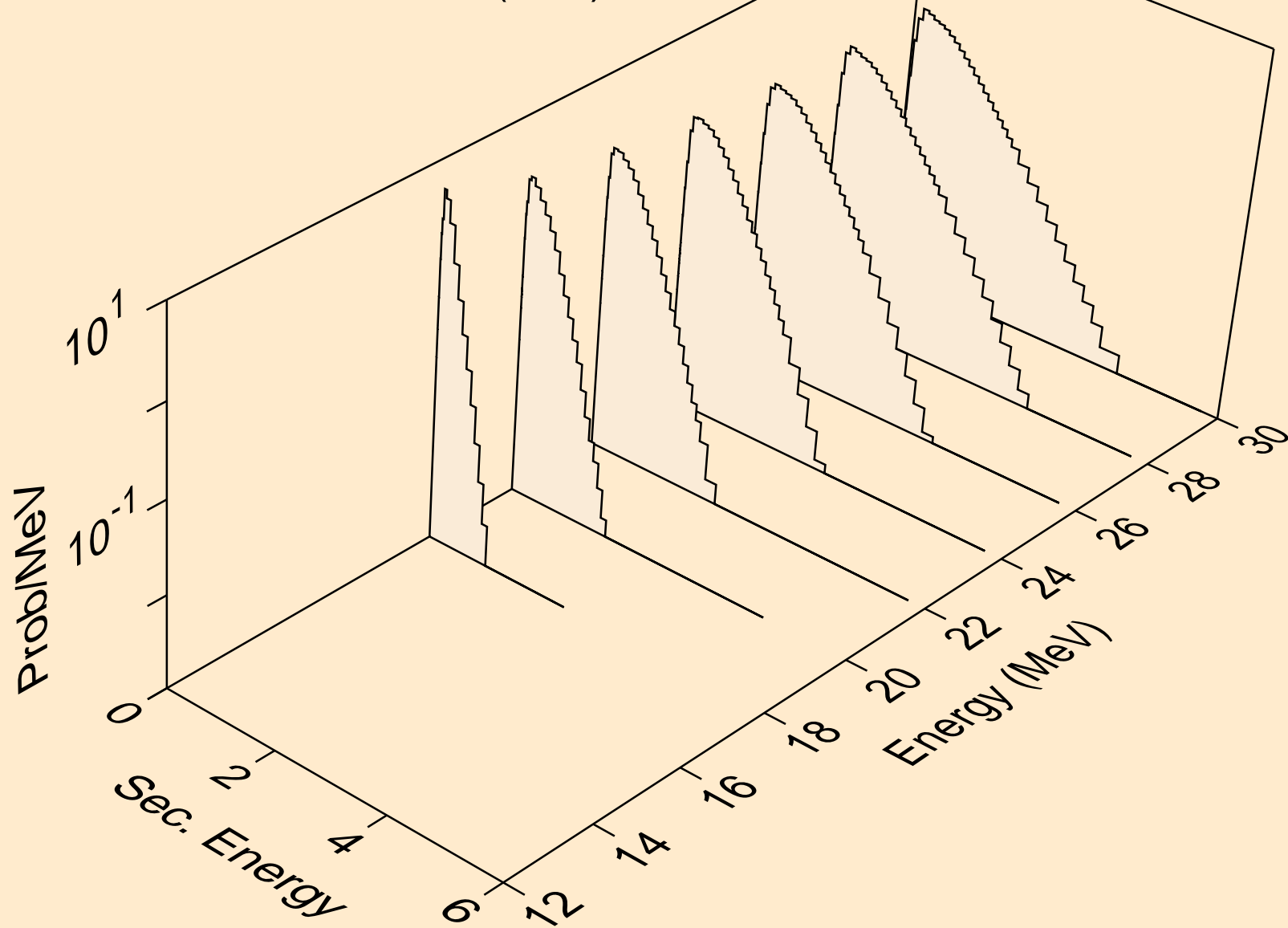


PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d

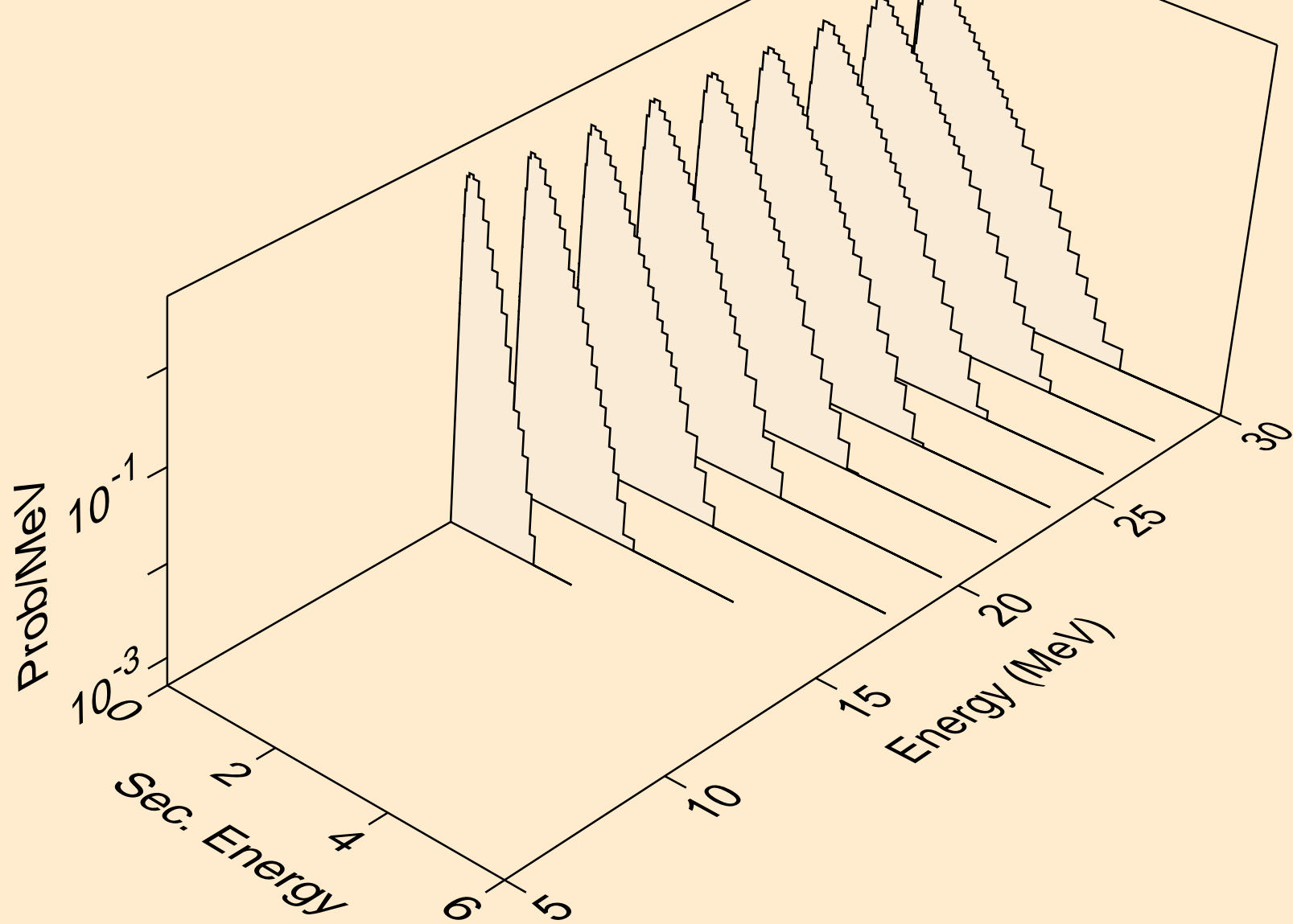




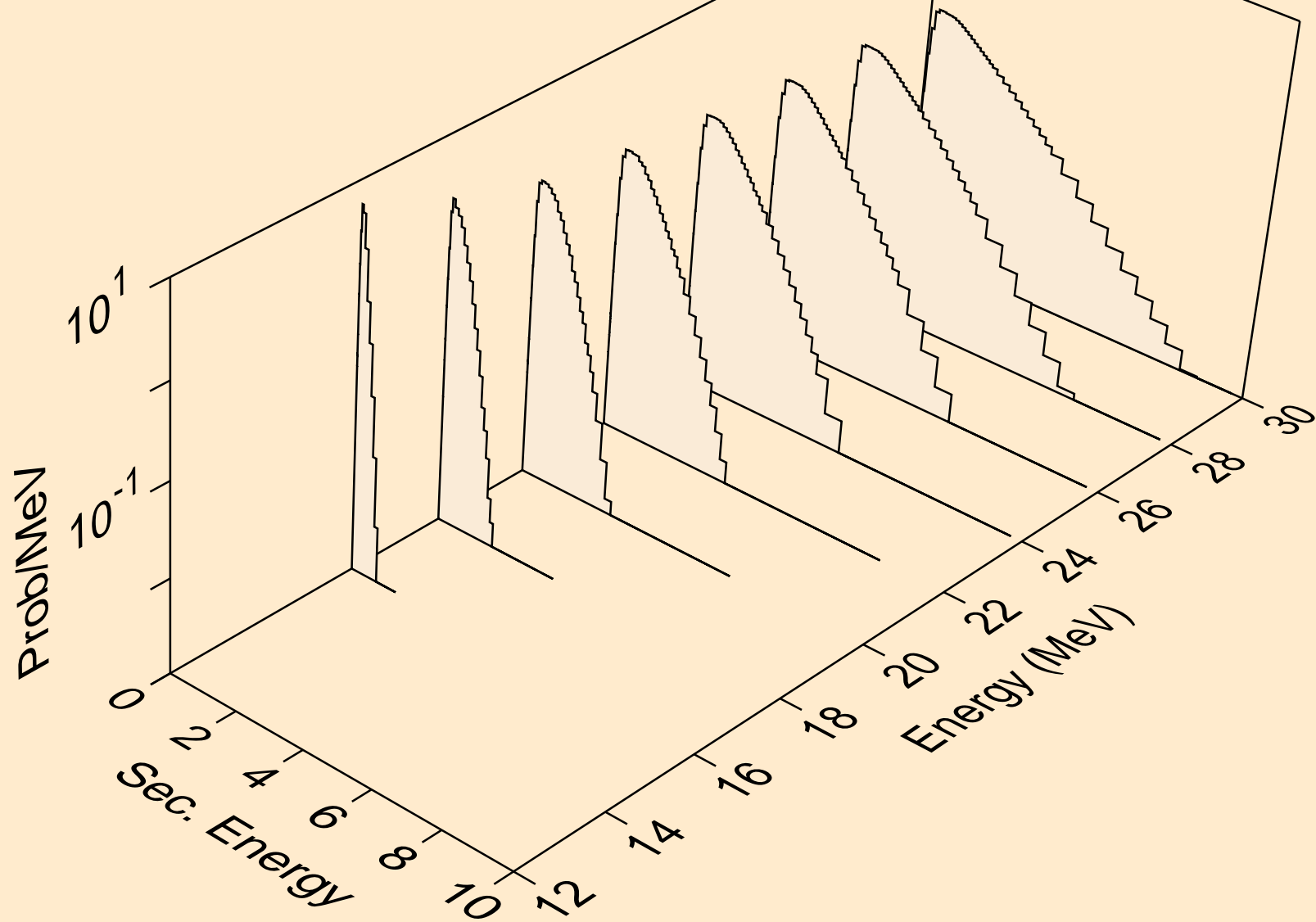
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



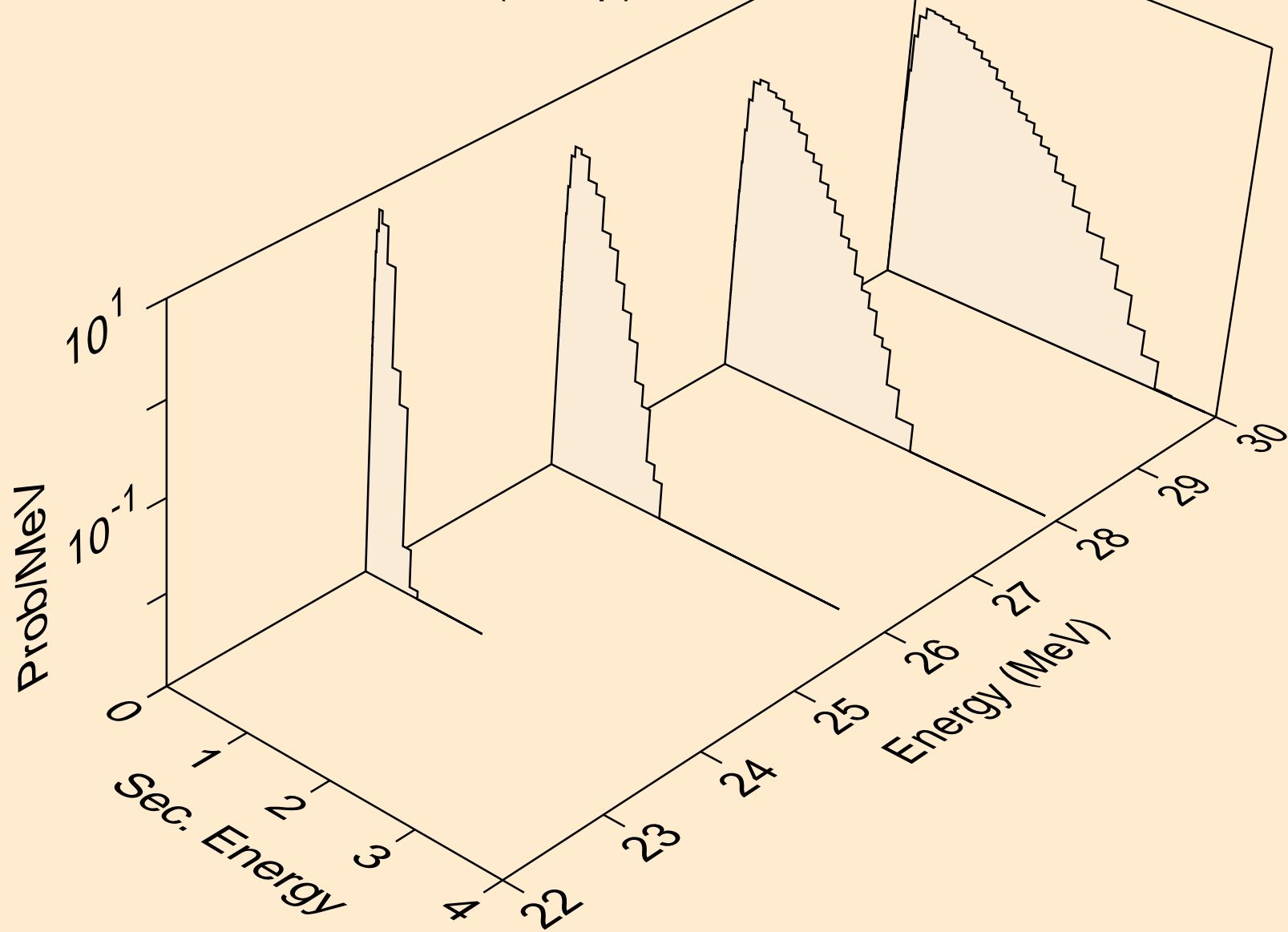
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



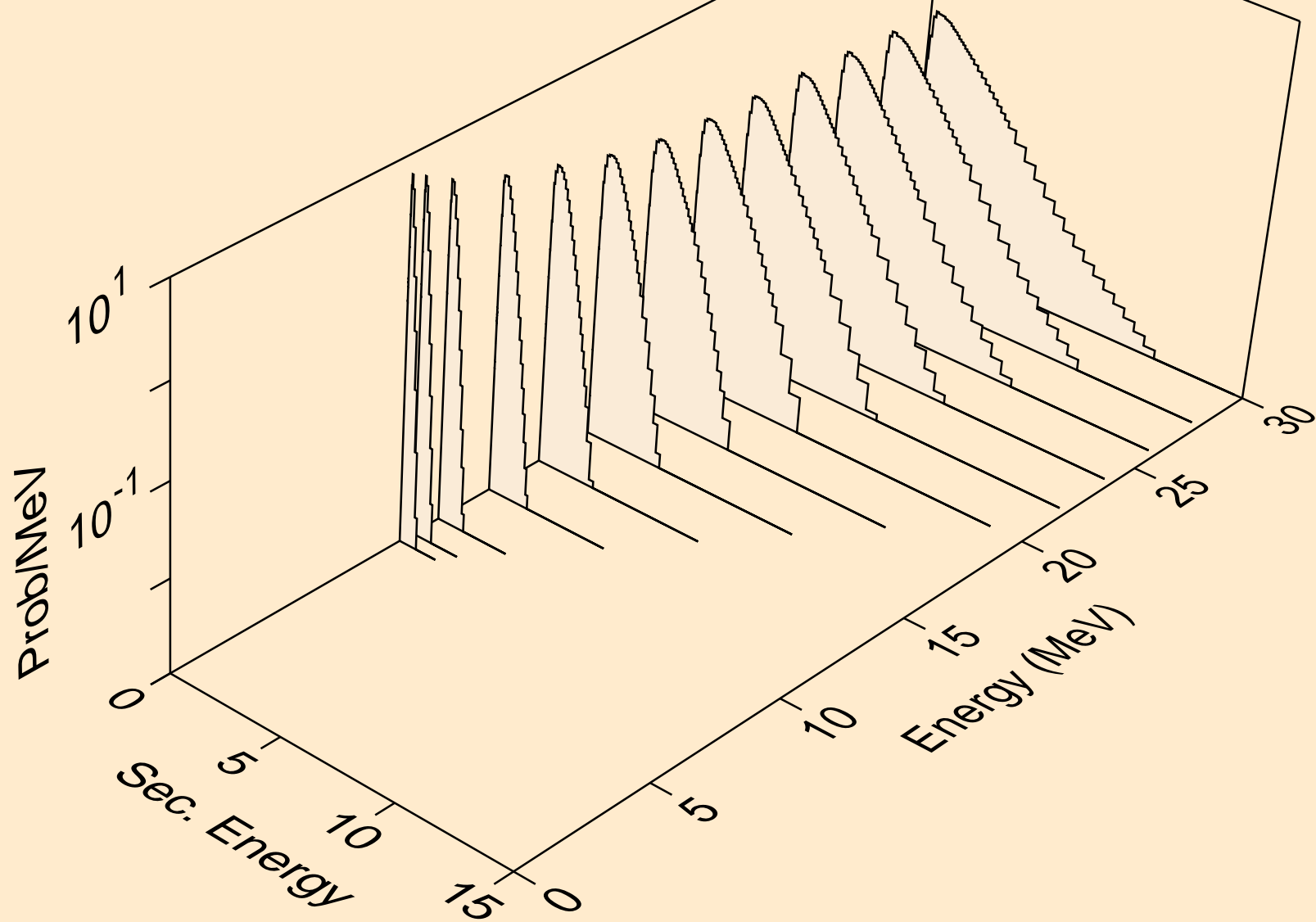
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2np)



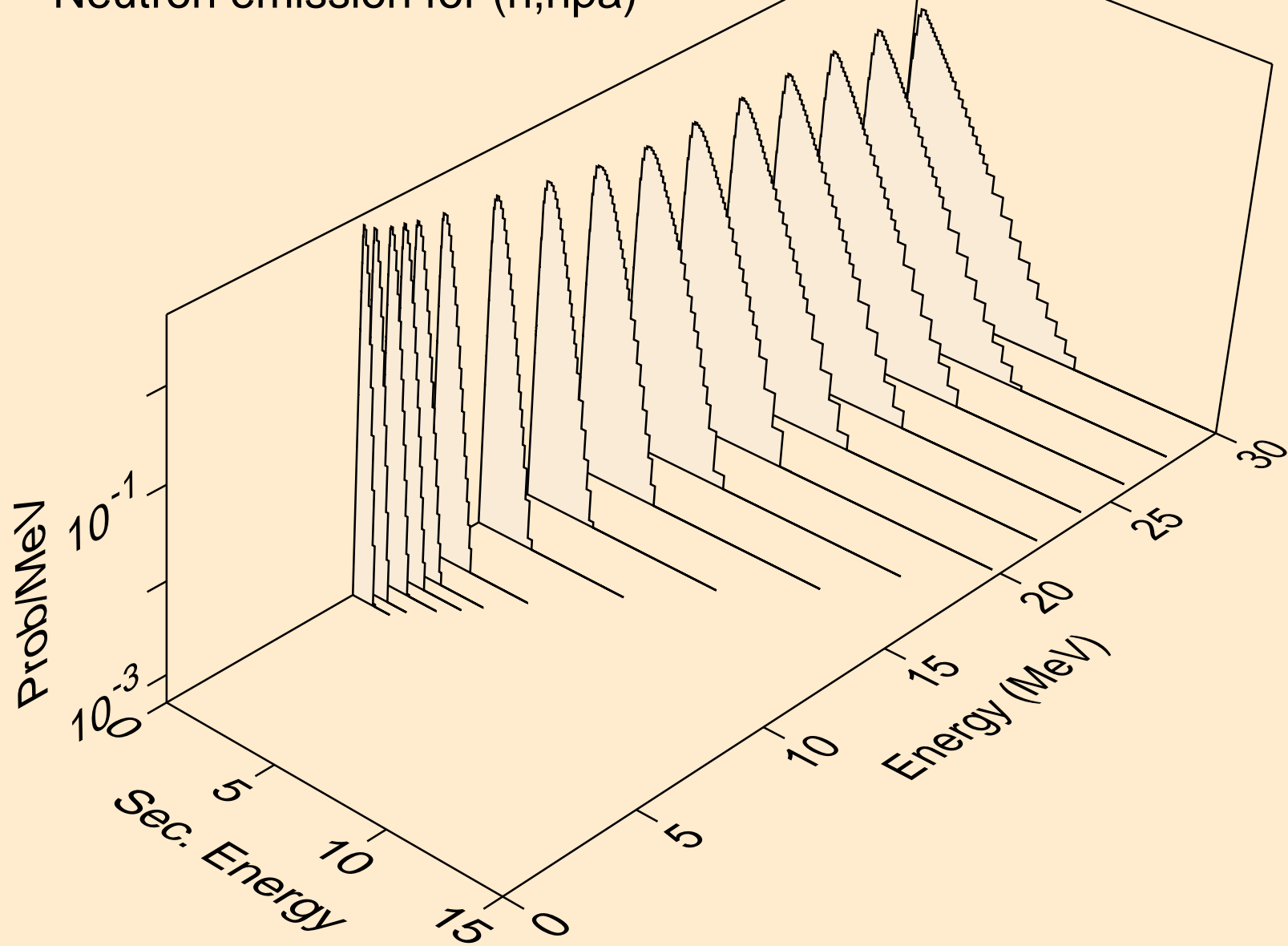
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3np)



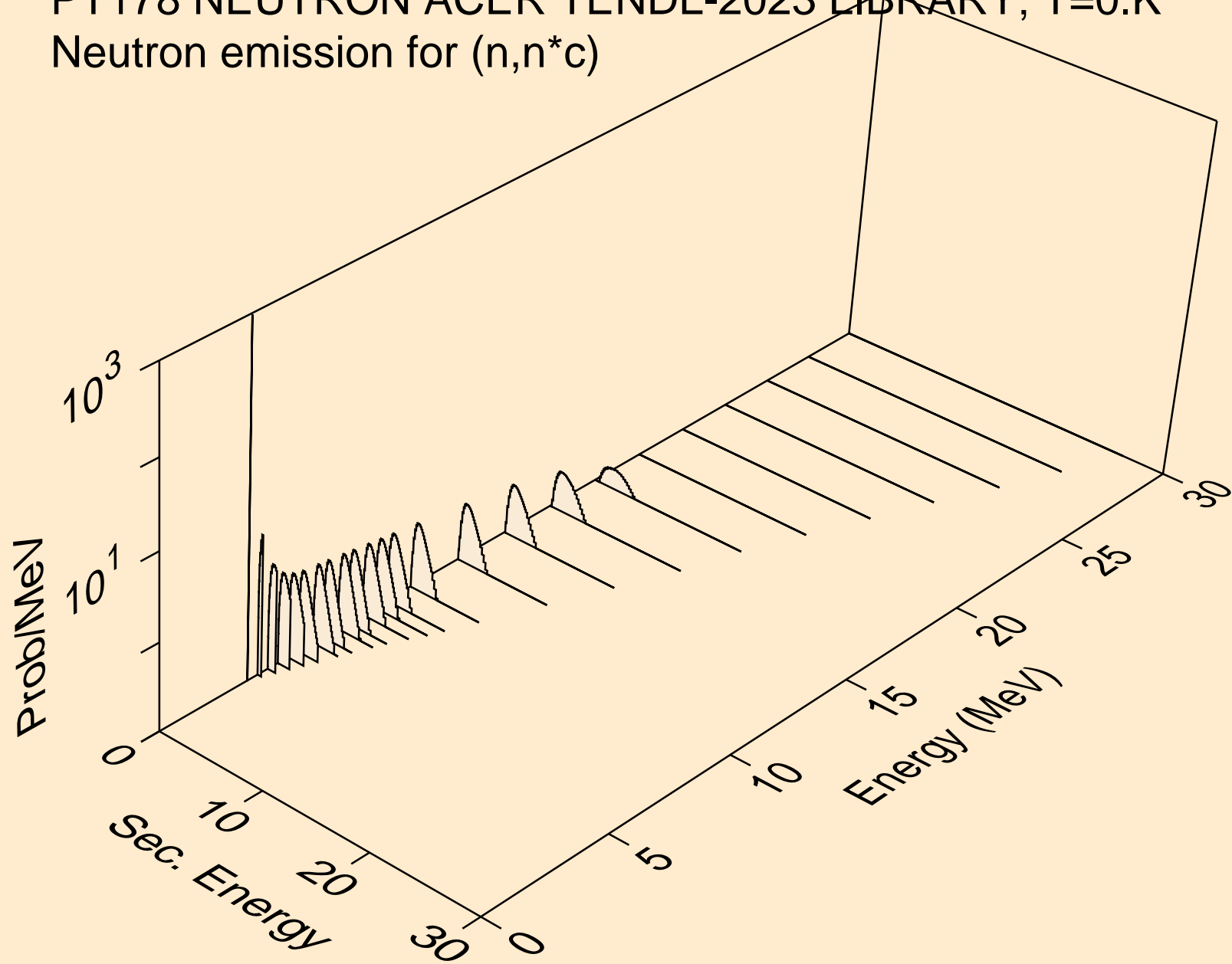
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n2p)



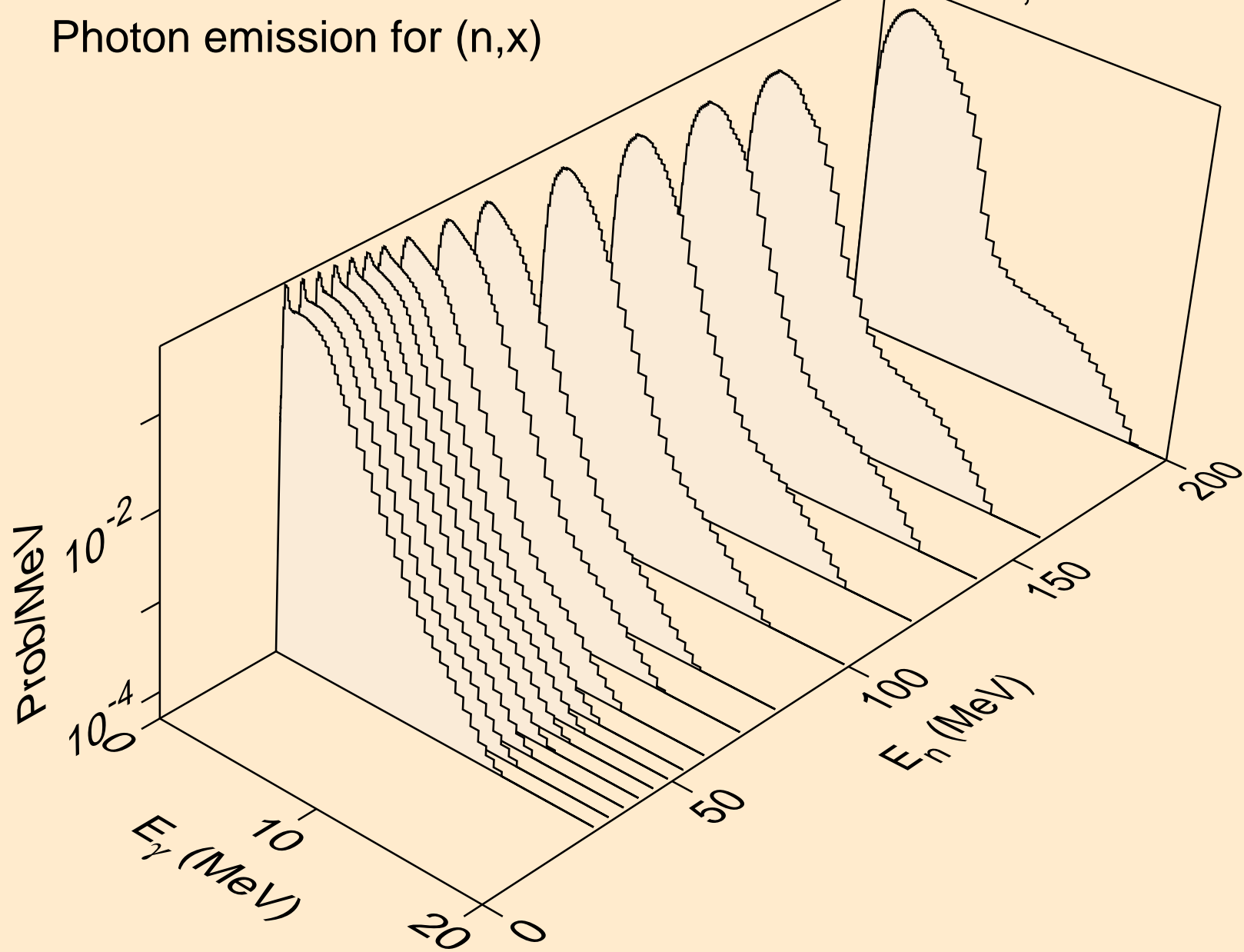
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,npa)



PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)

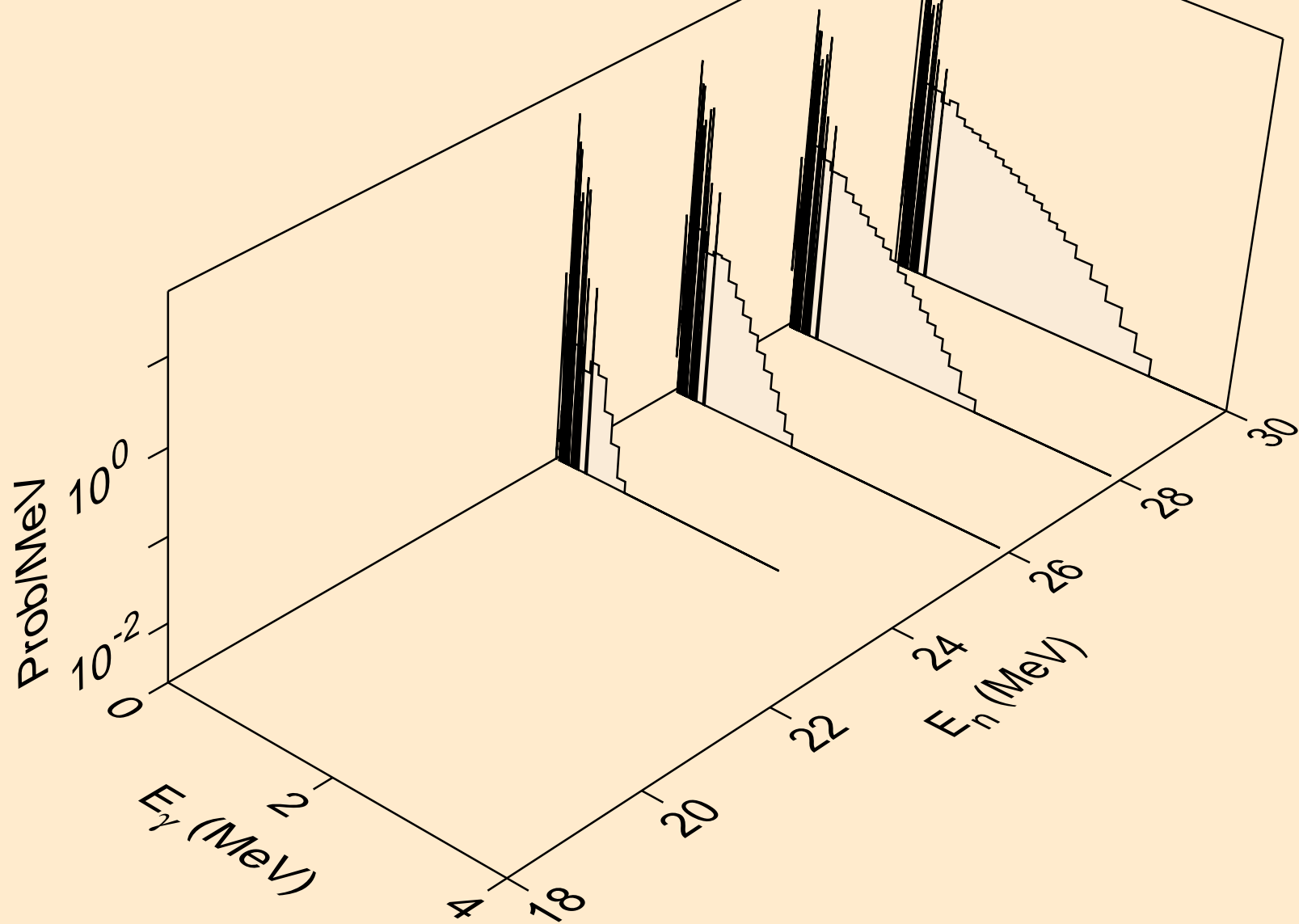


PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,x)

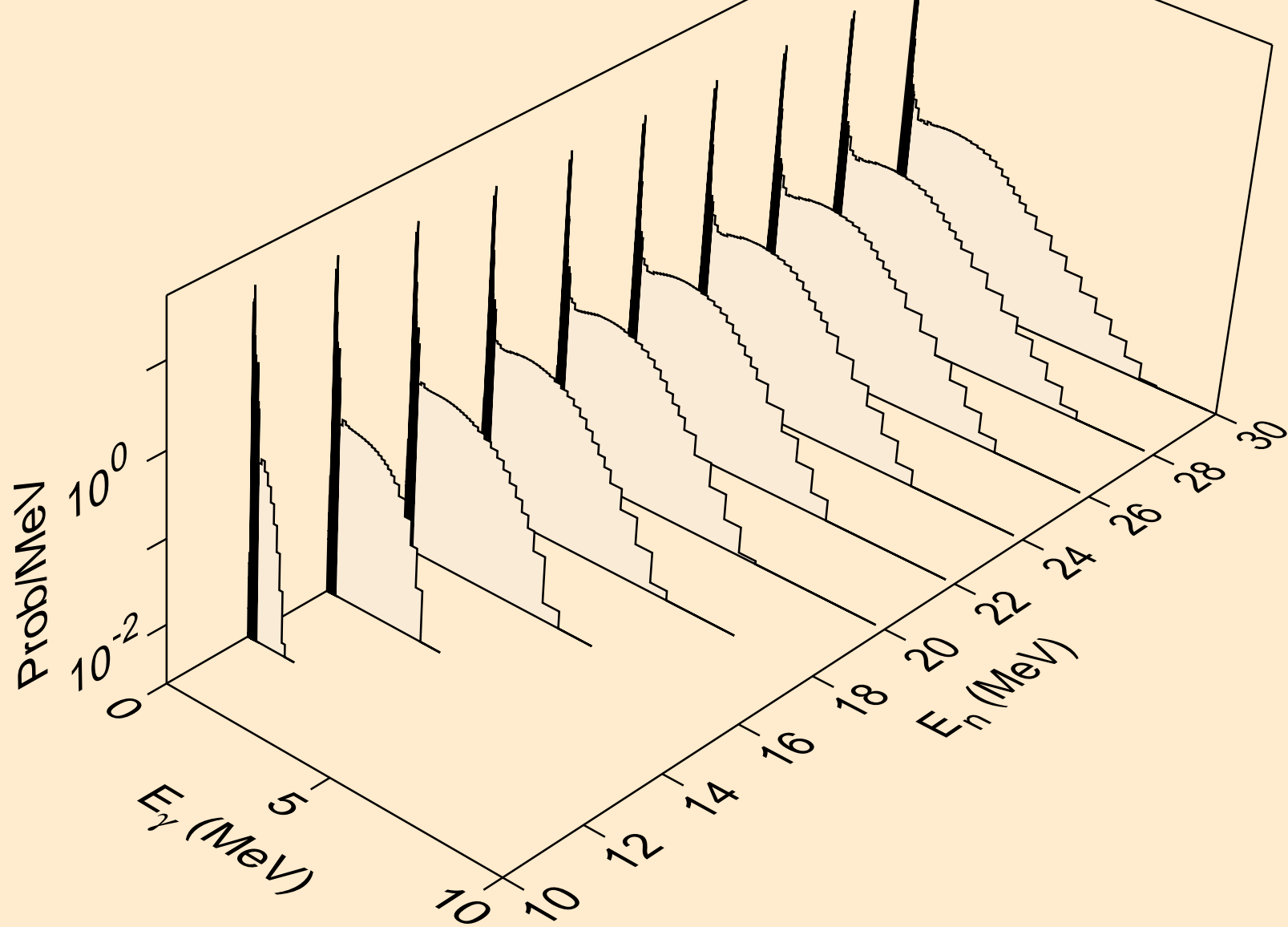




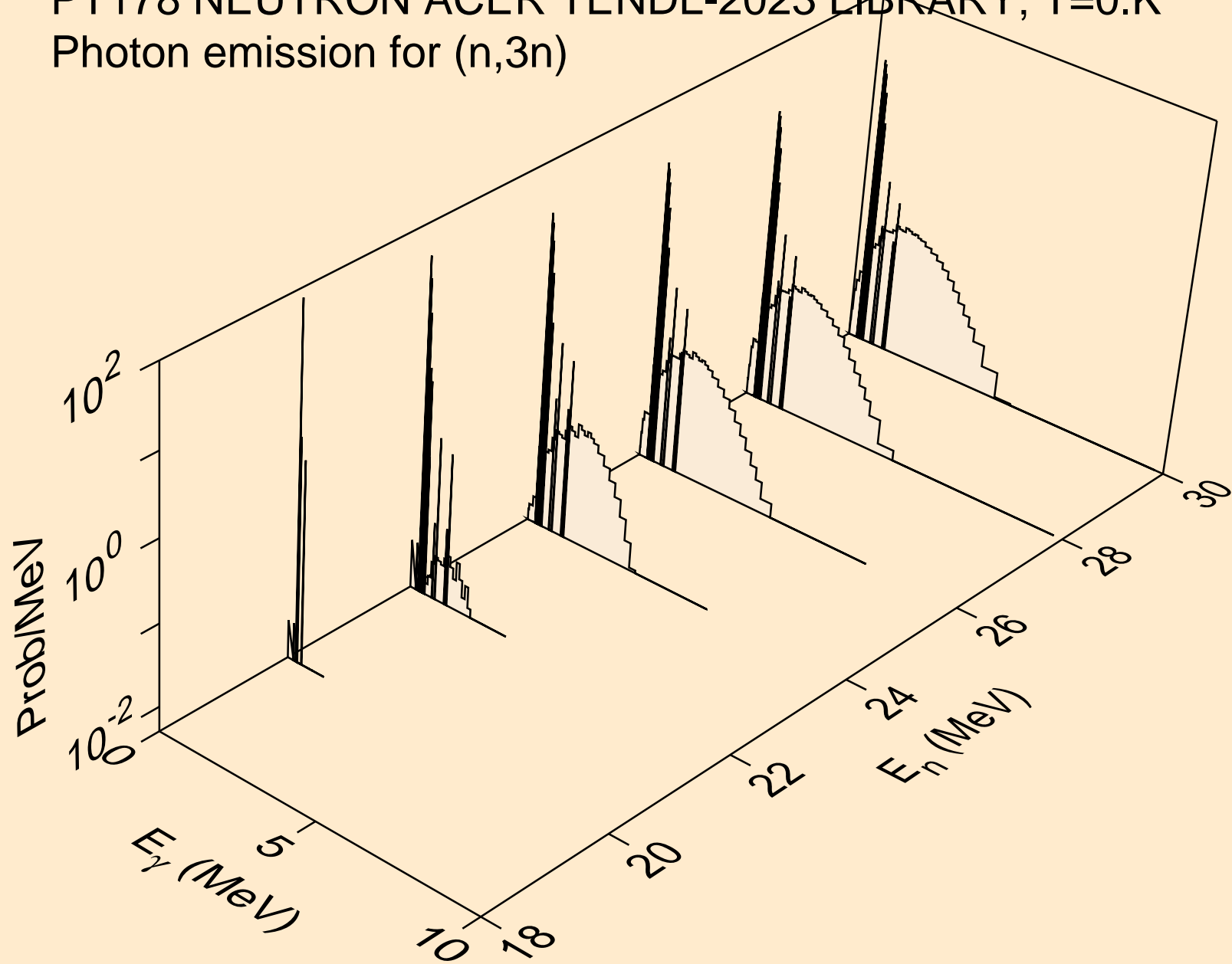
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



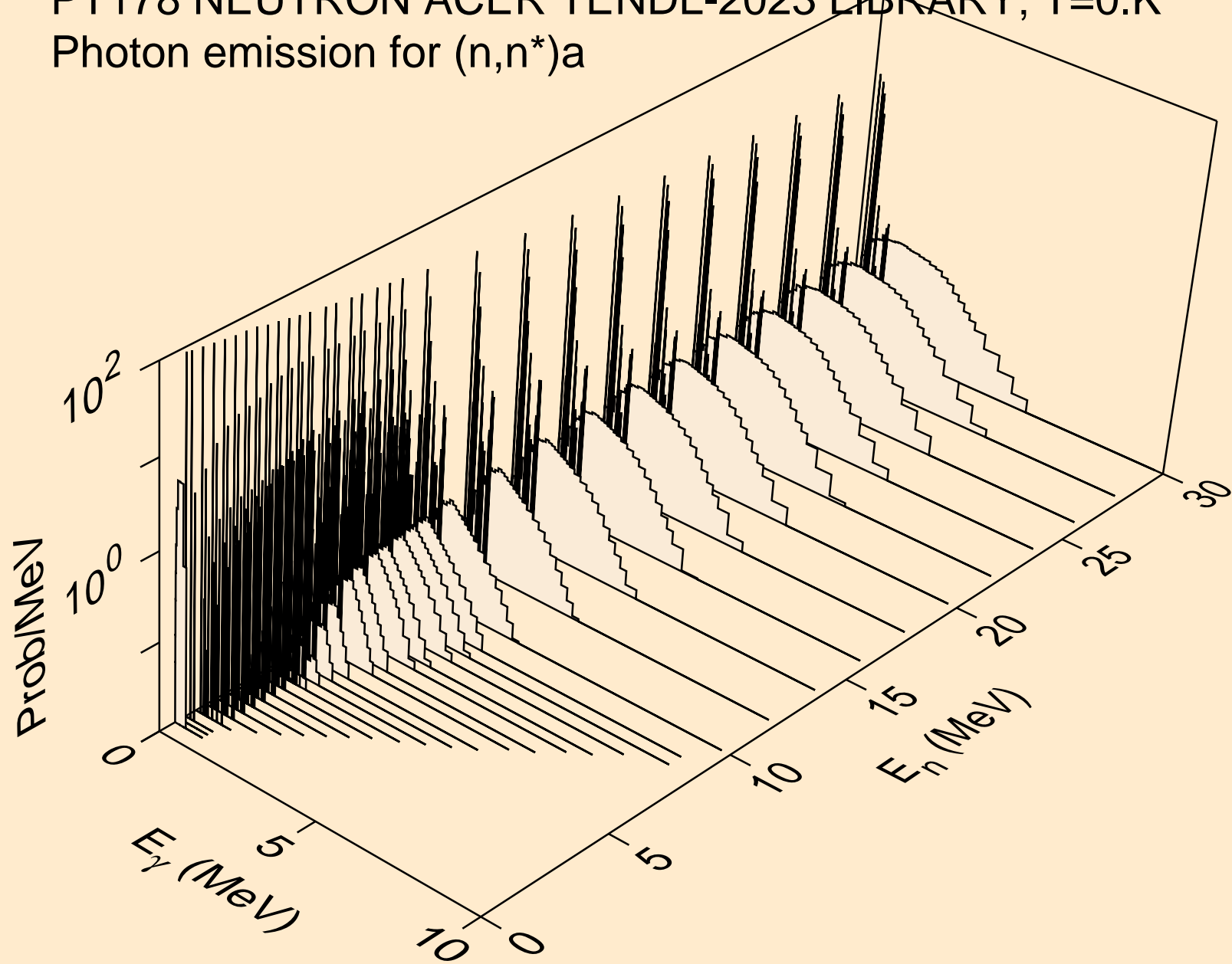
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



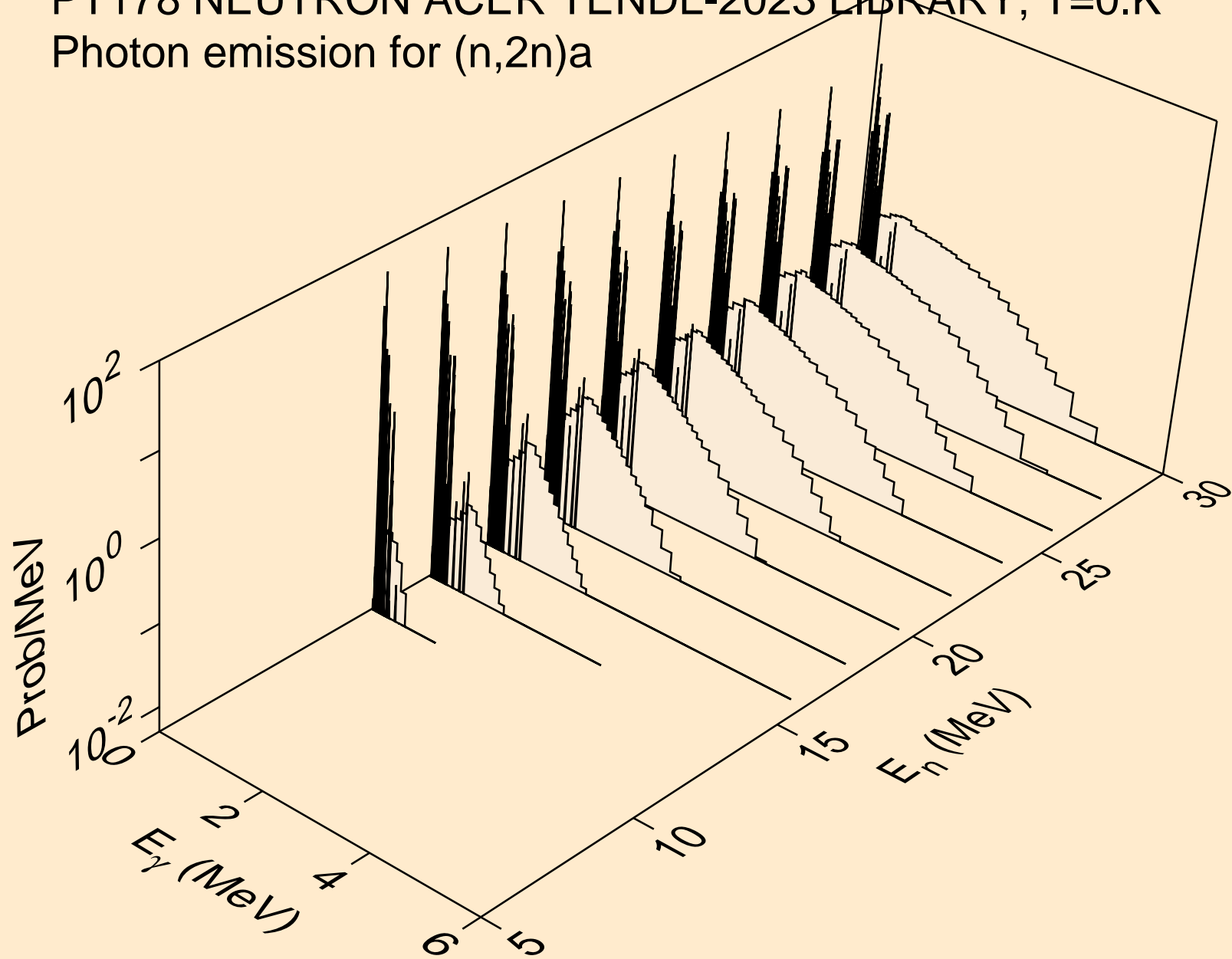
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



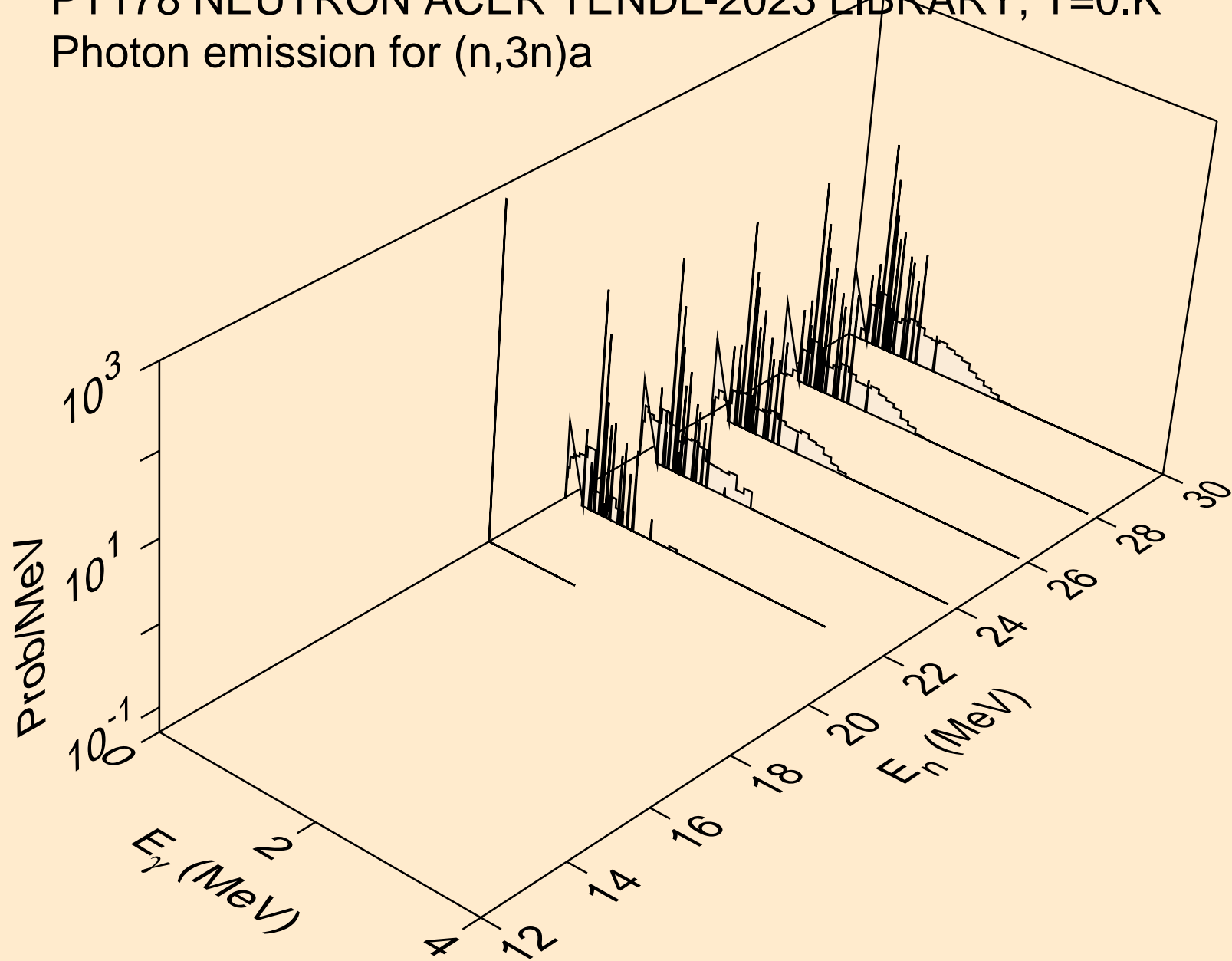
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



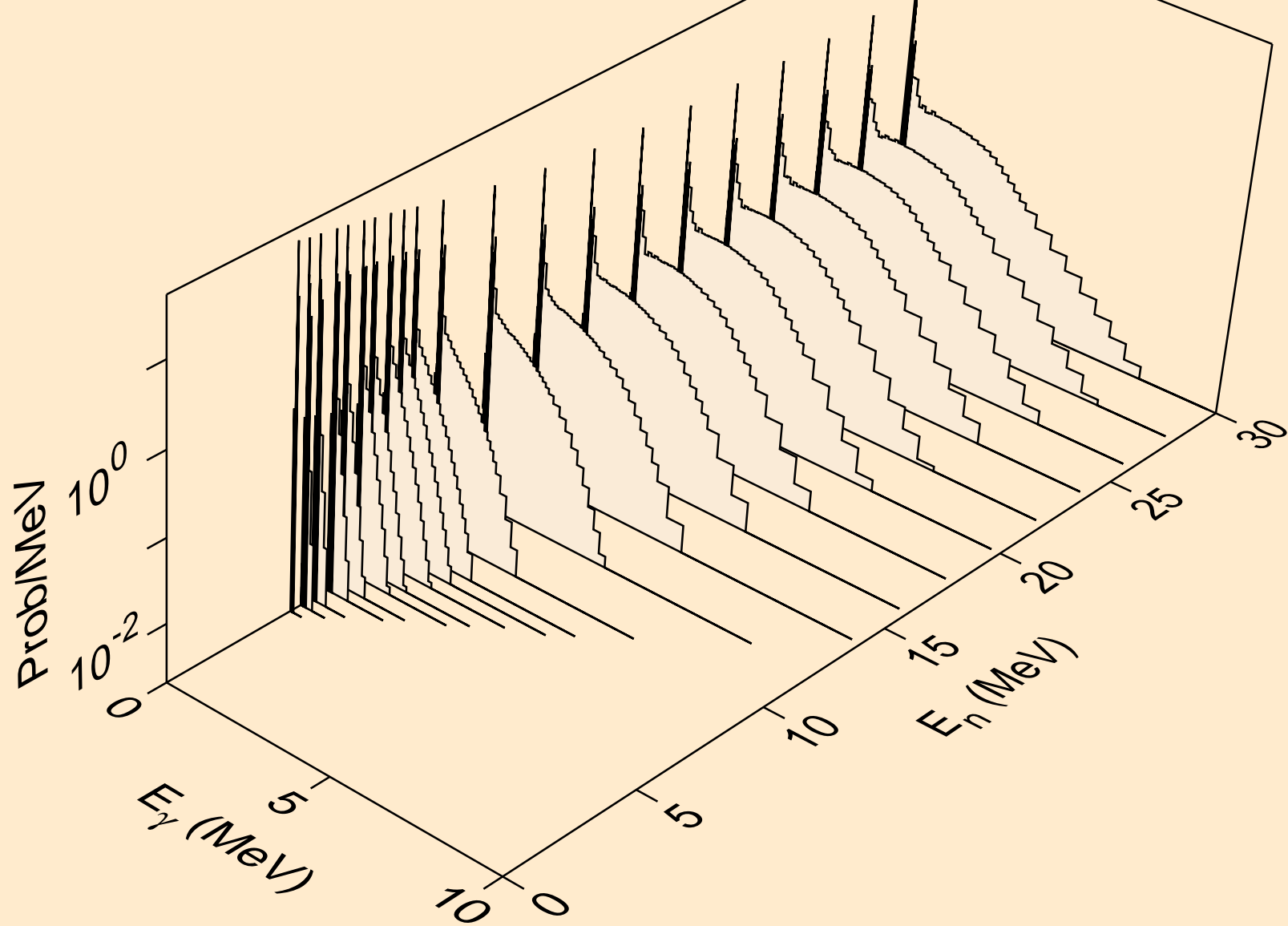
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a



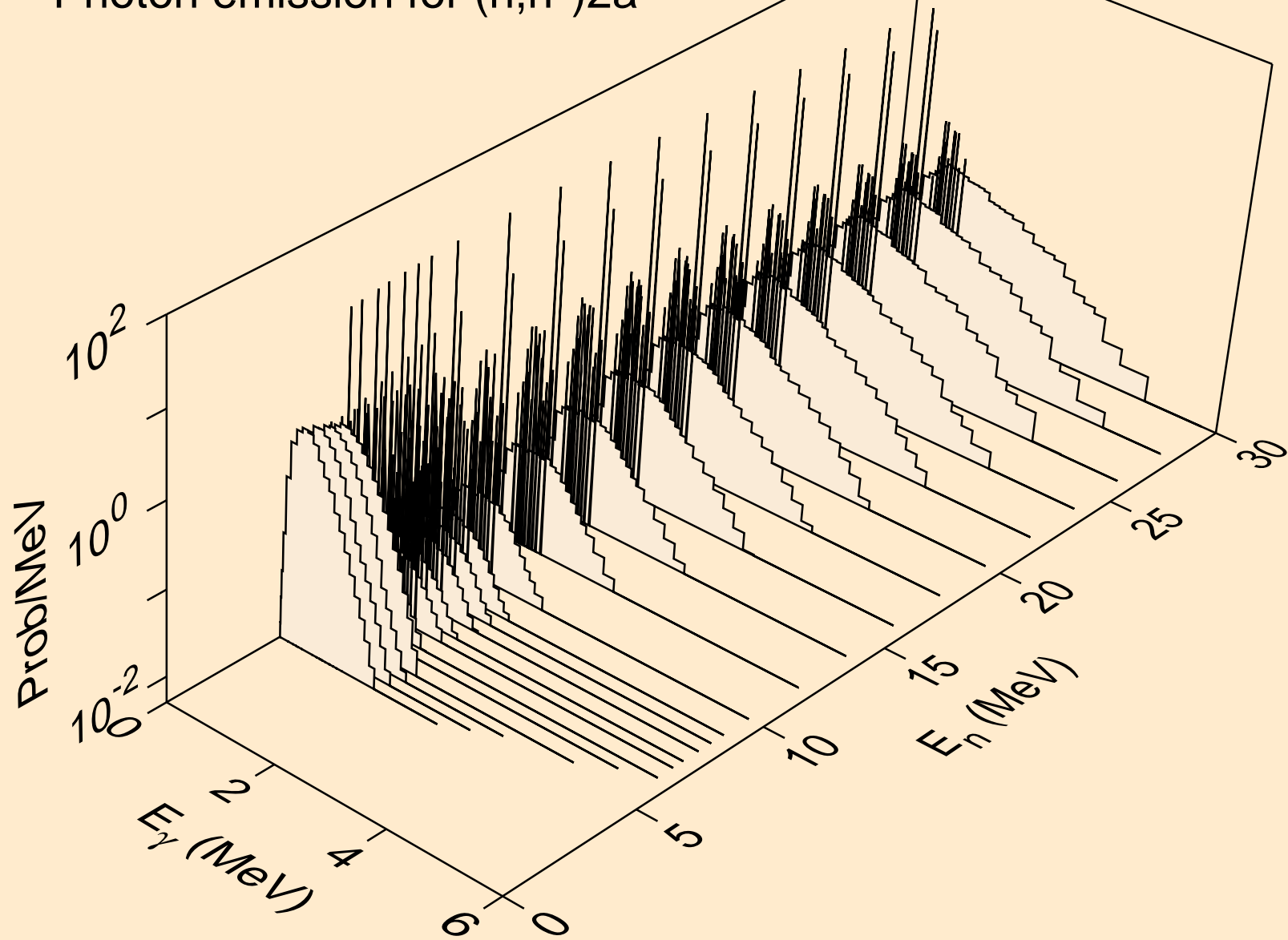
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)a



PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p

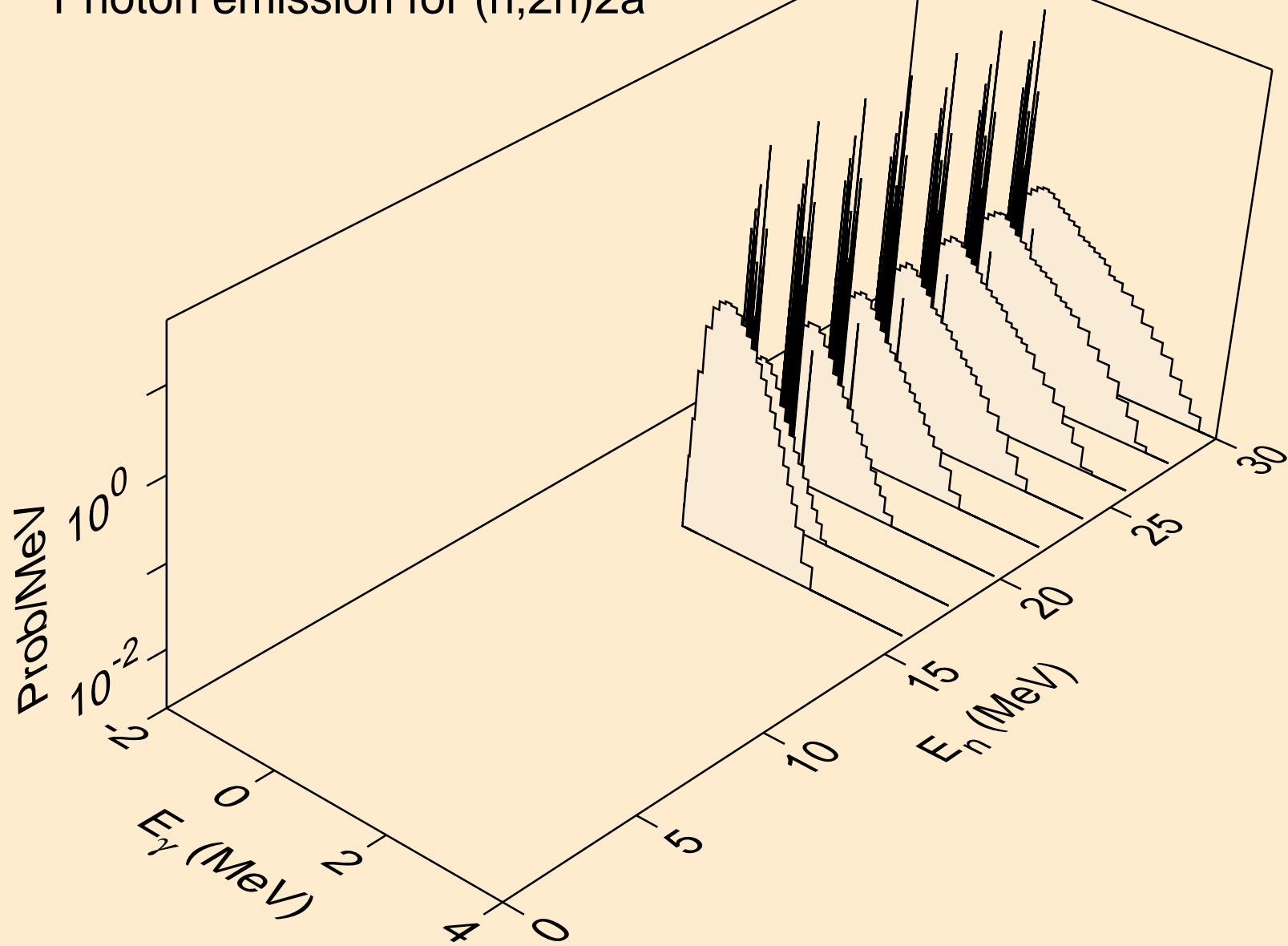


PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a

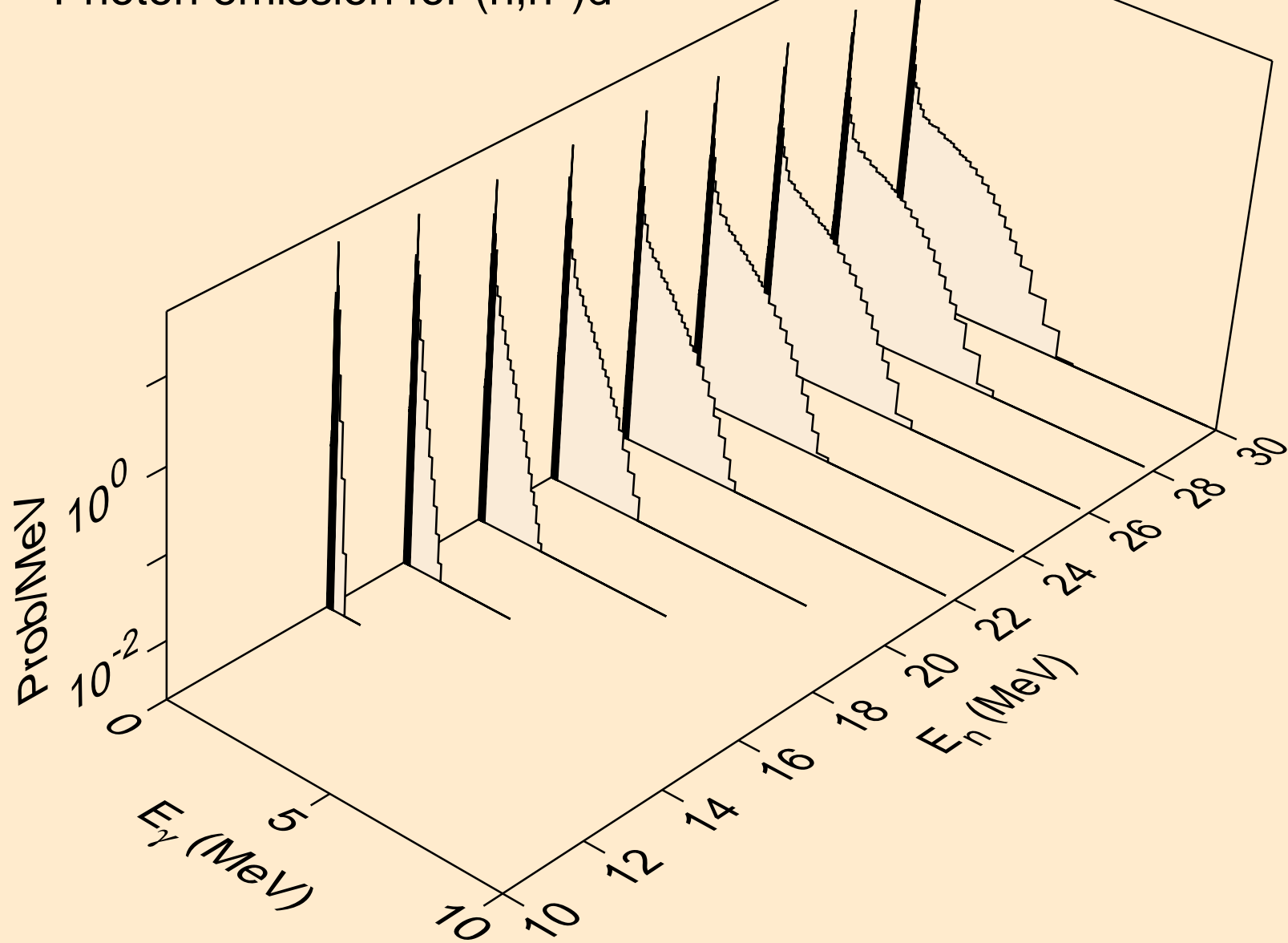




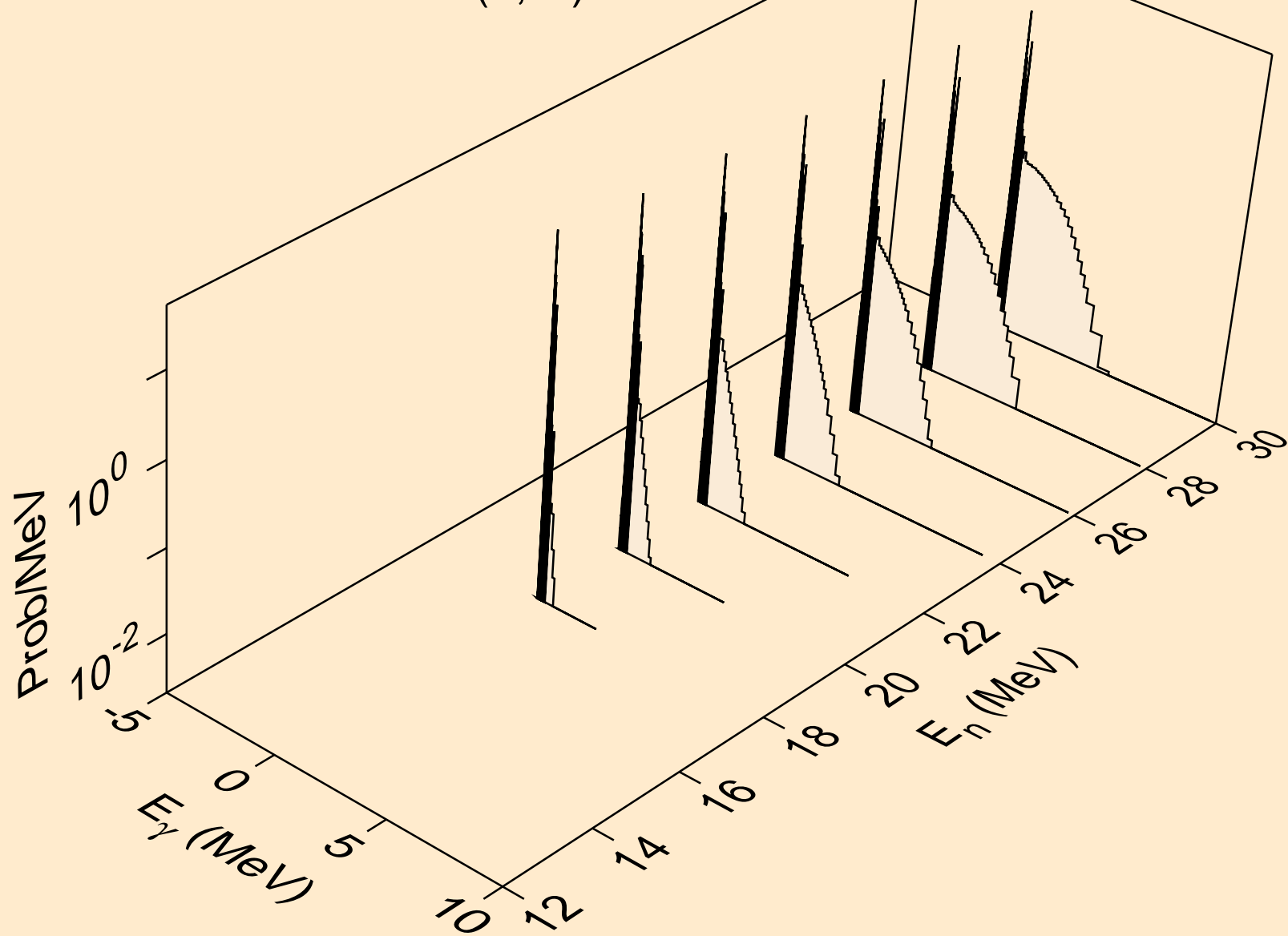
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)2a



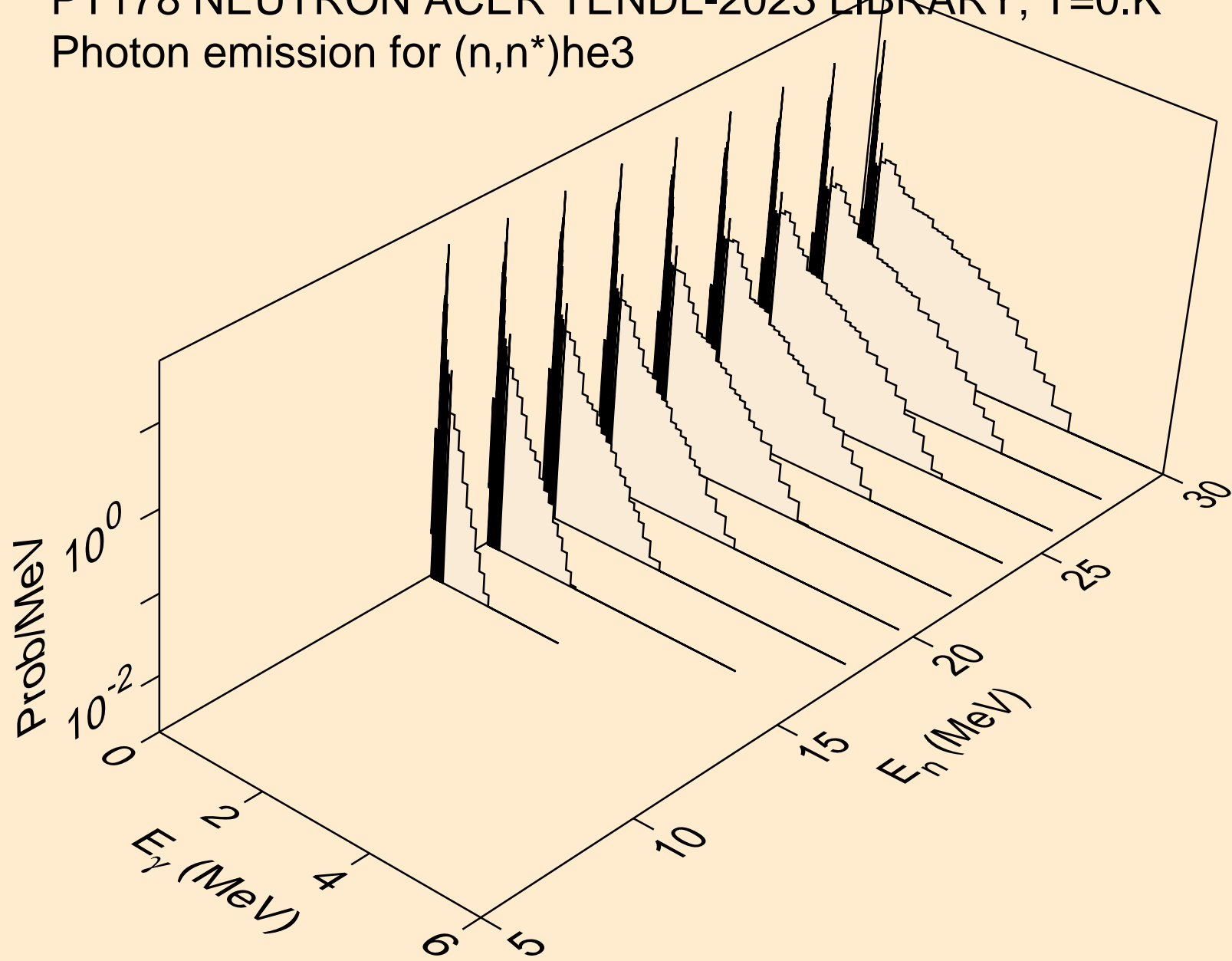
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



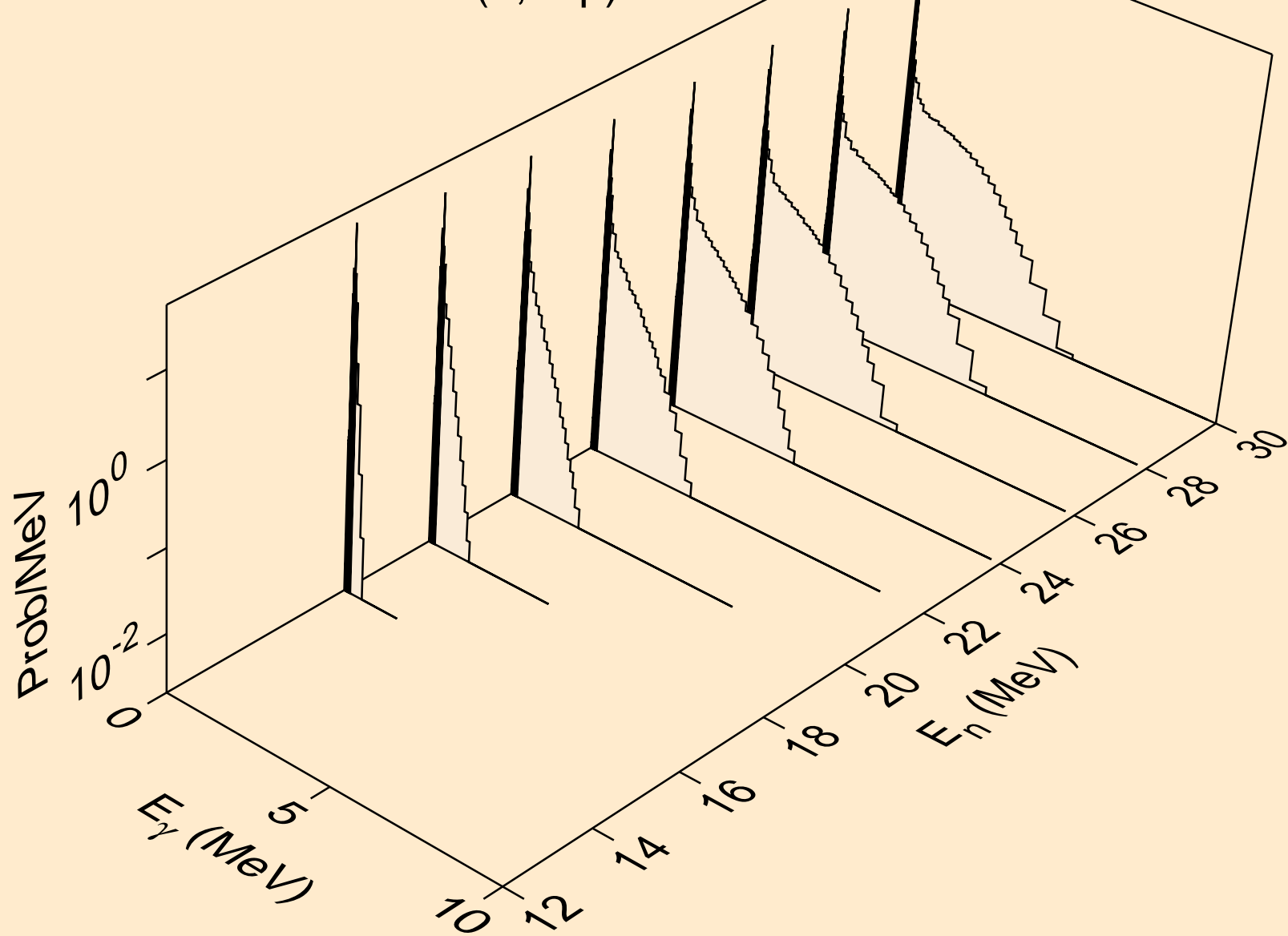
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



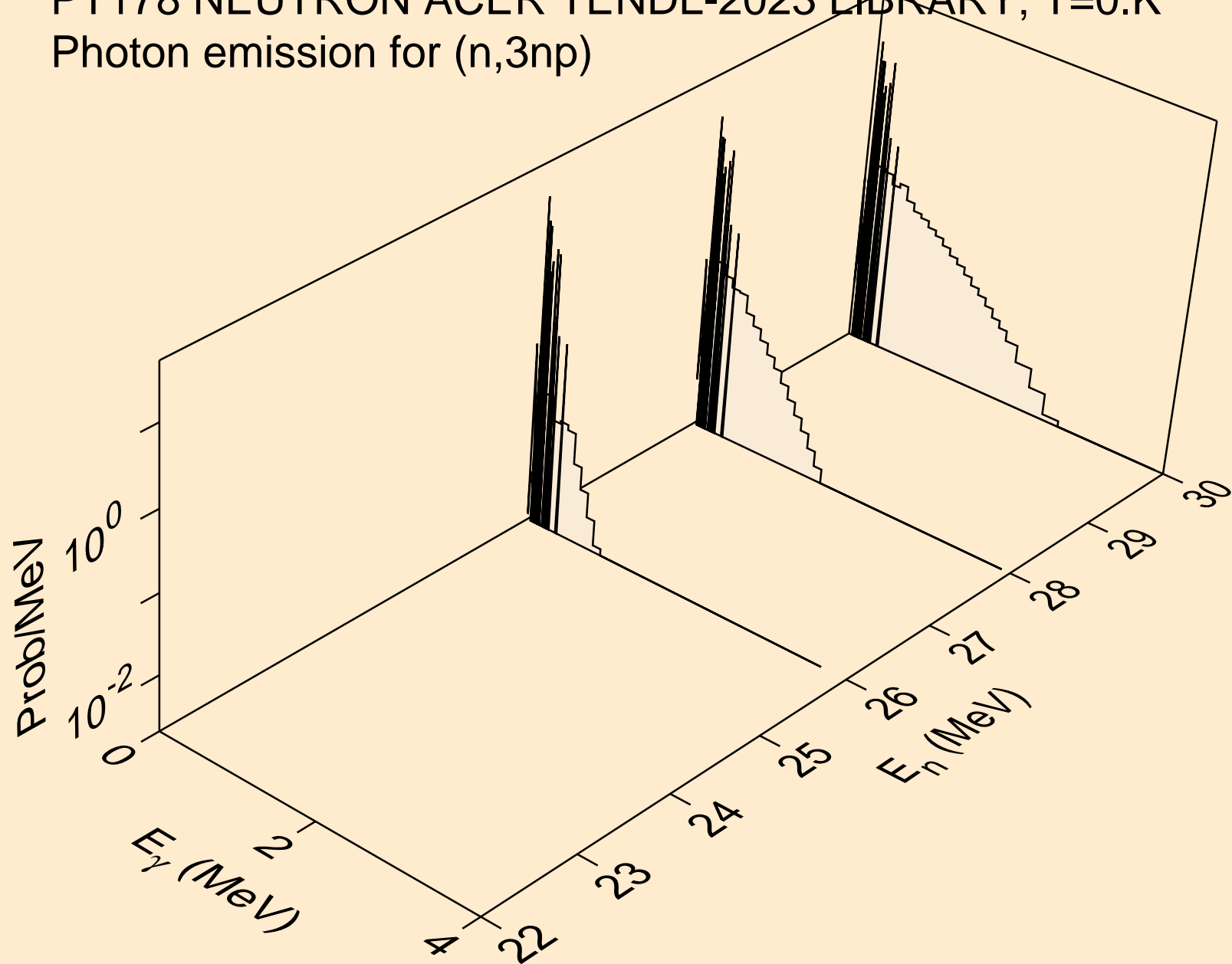
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



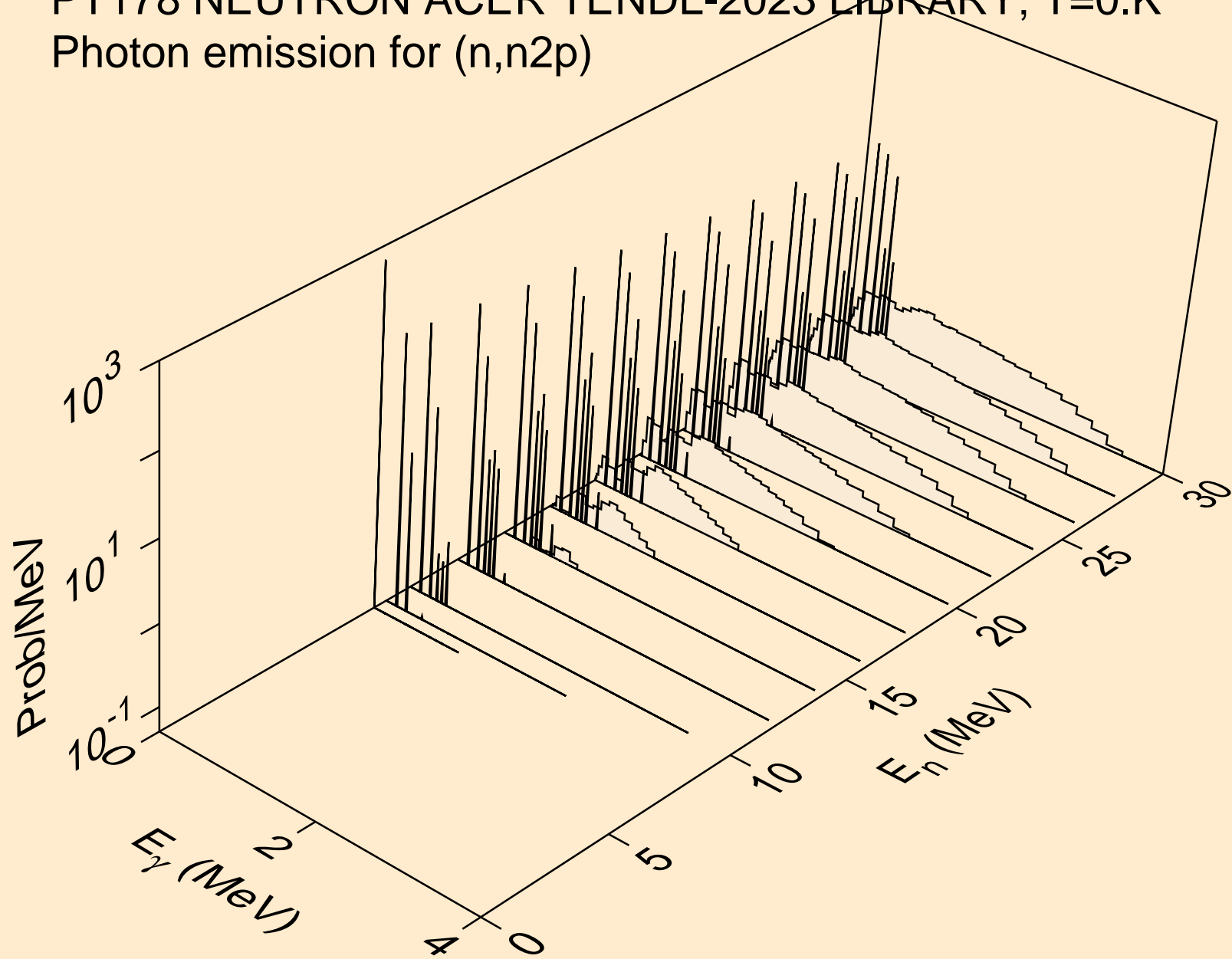
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)



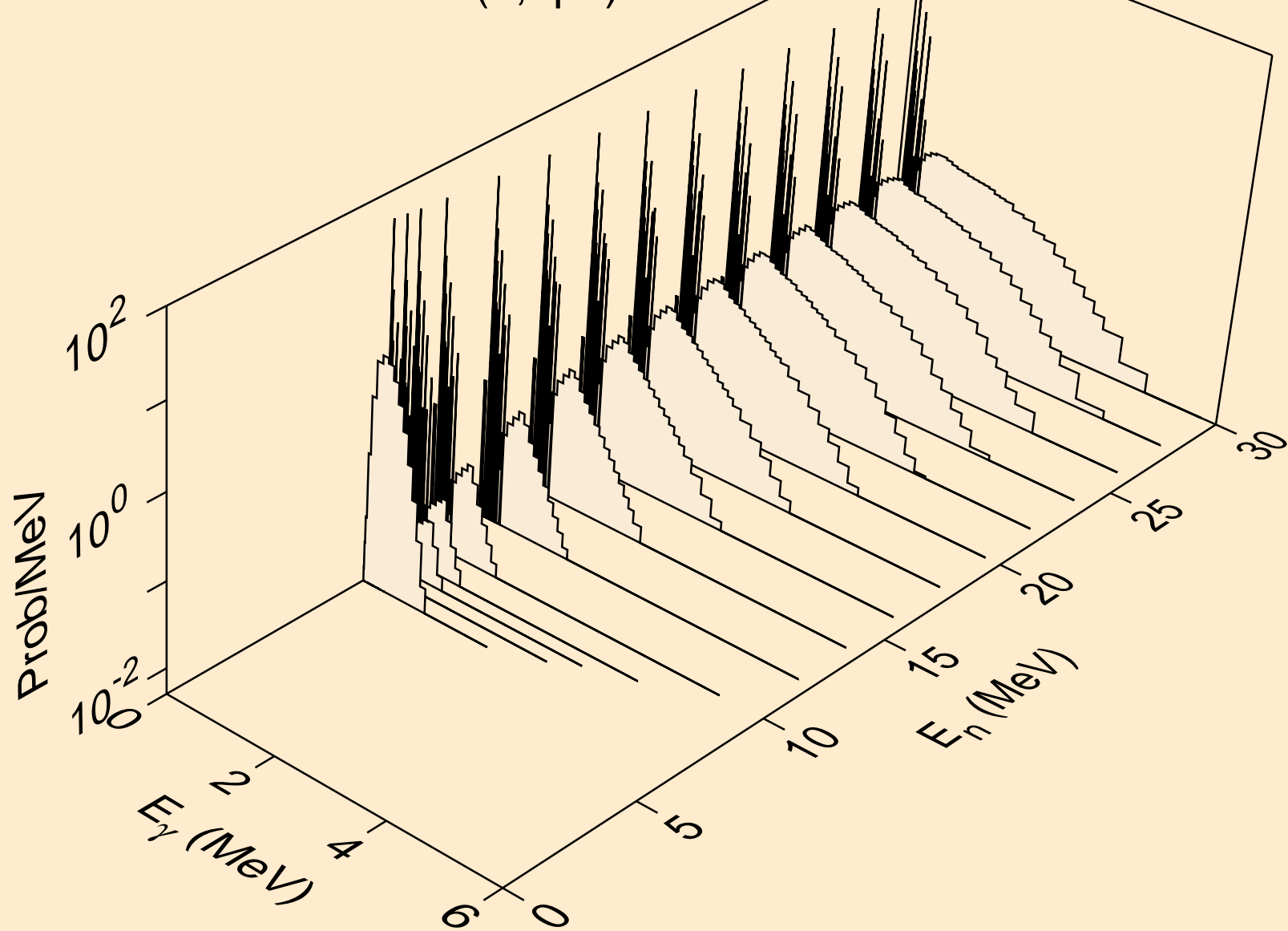
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3np)



PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)

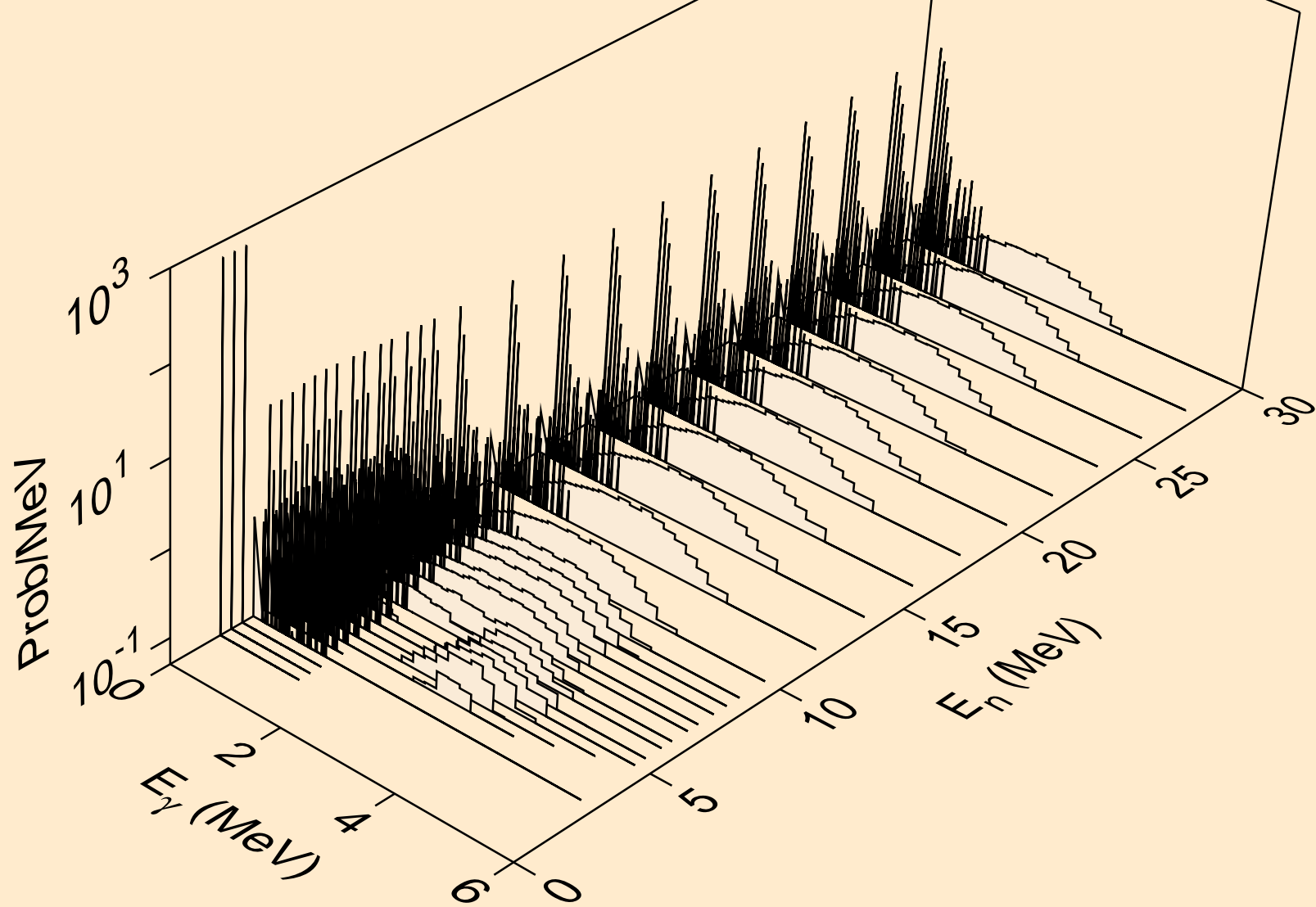


PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,npa)

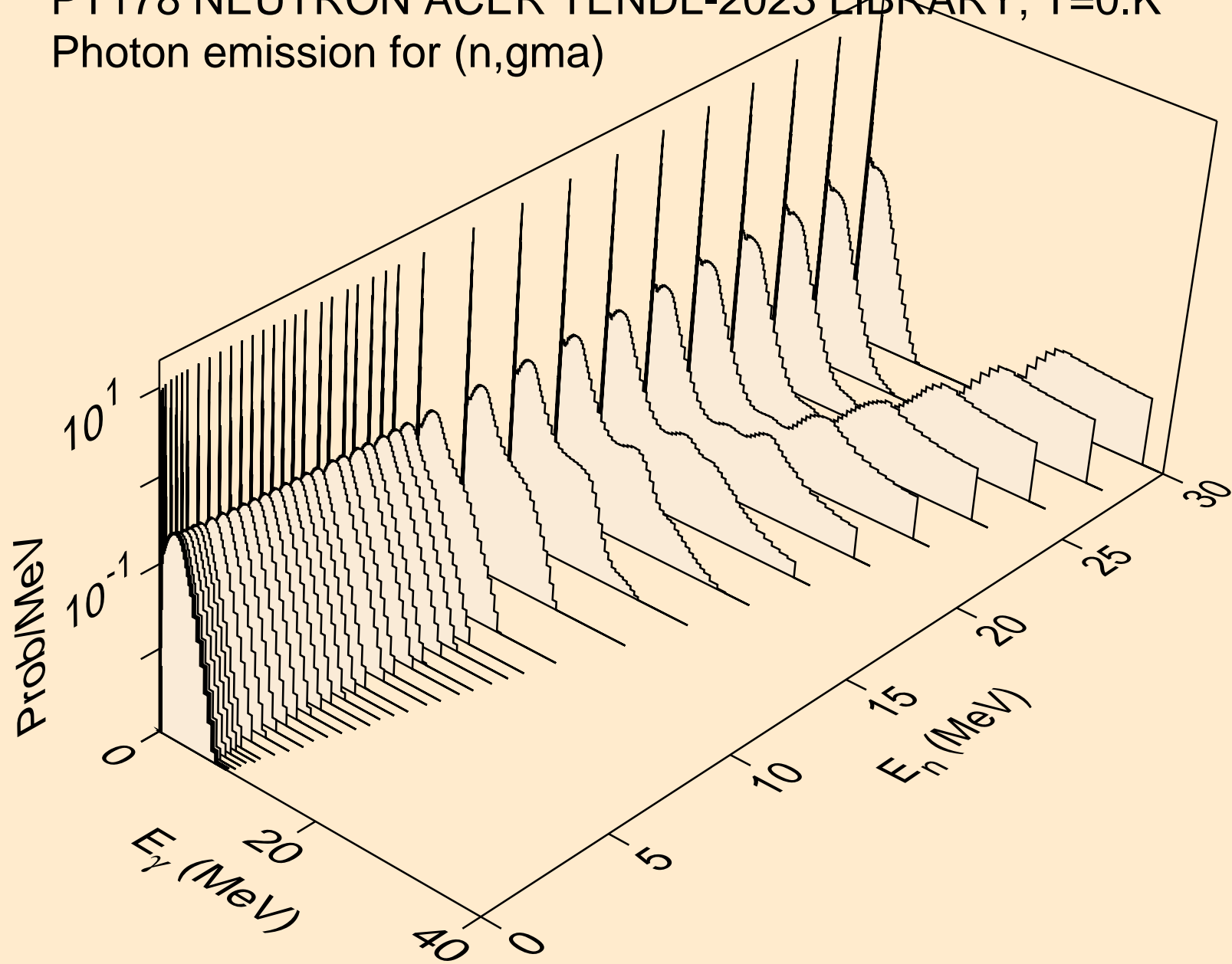




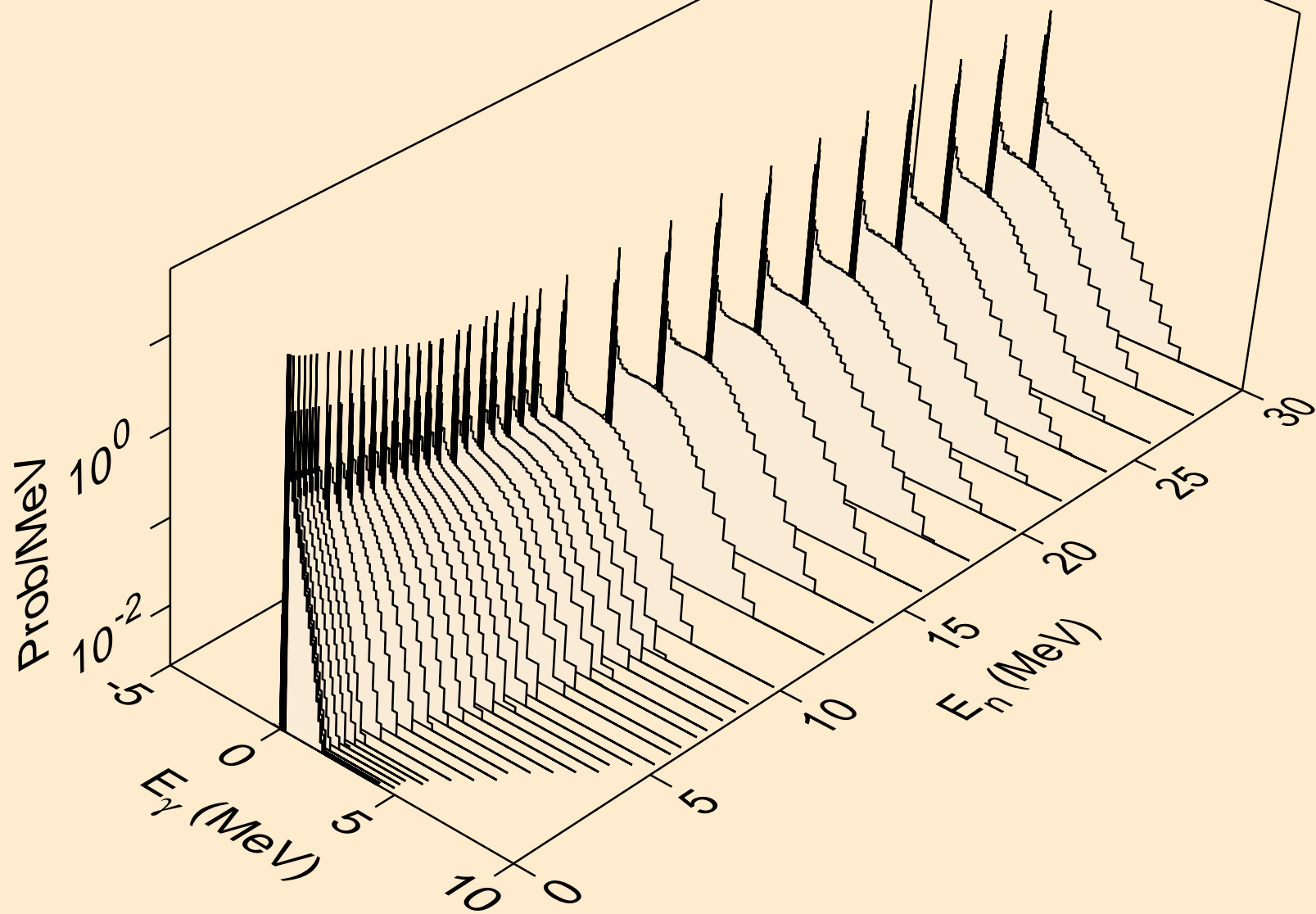
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*c)



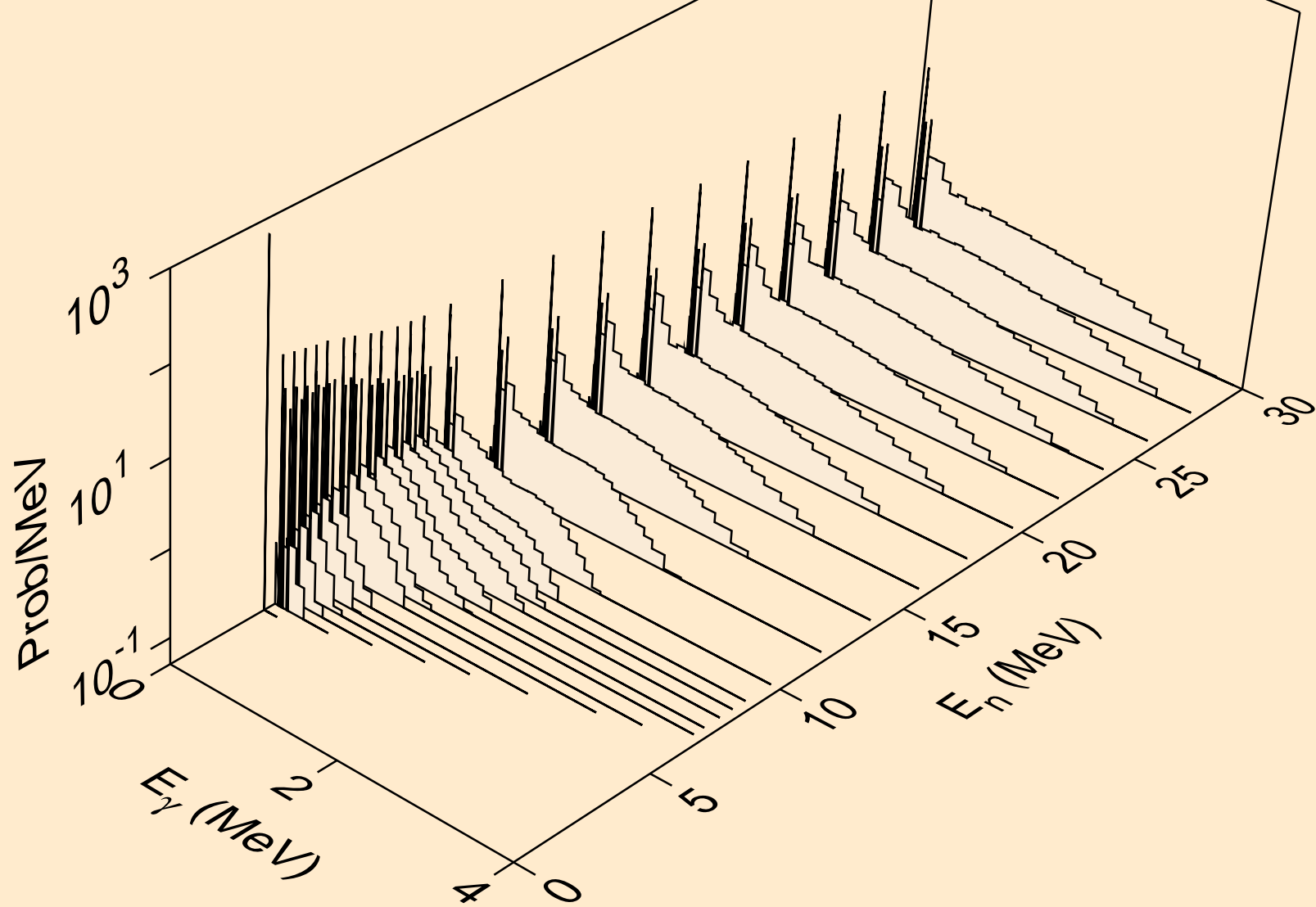
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)



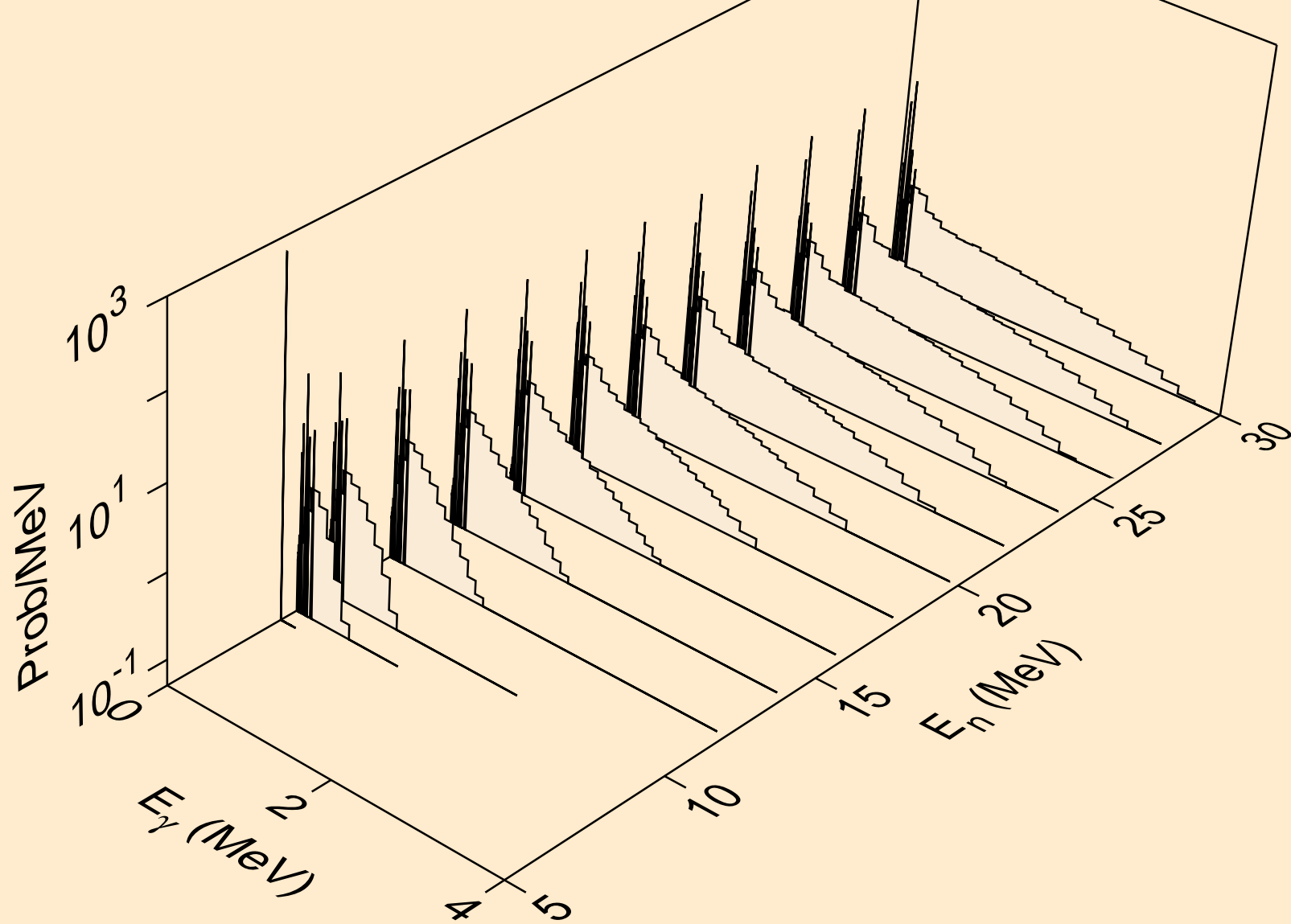
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)



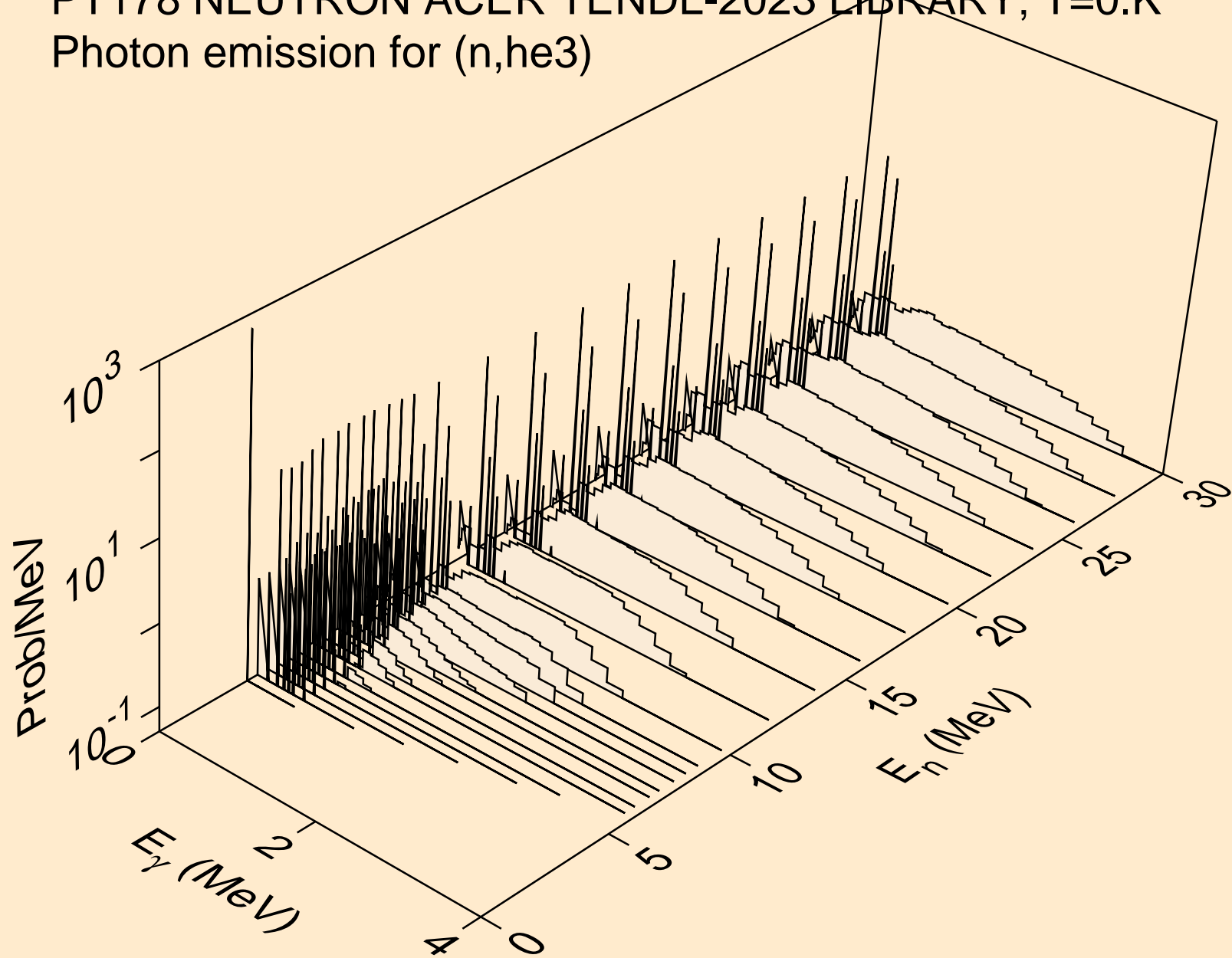
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)



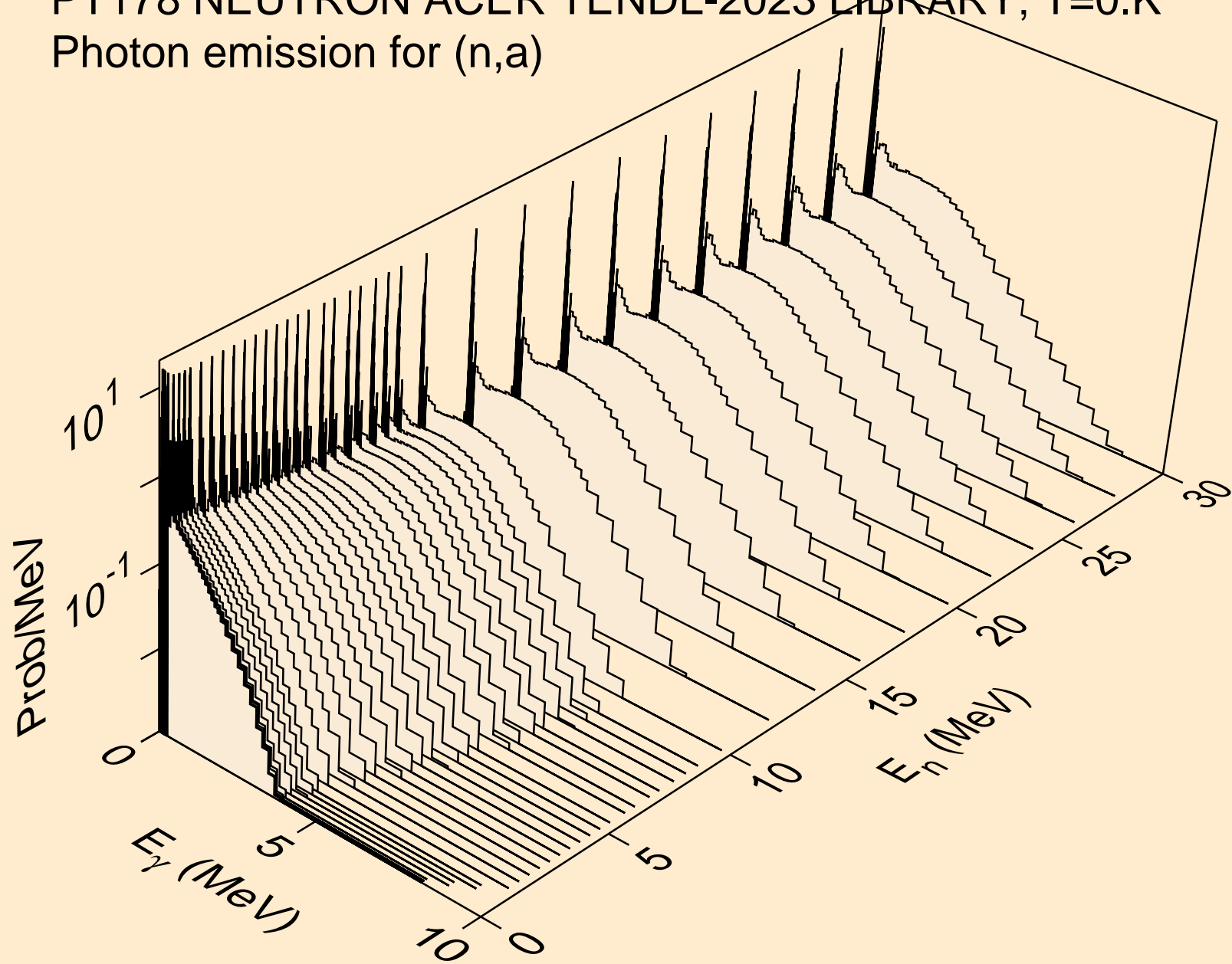
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)



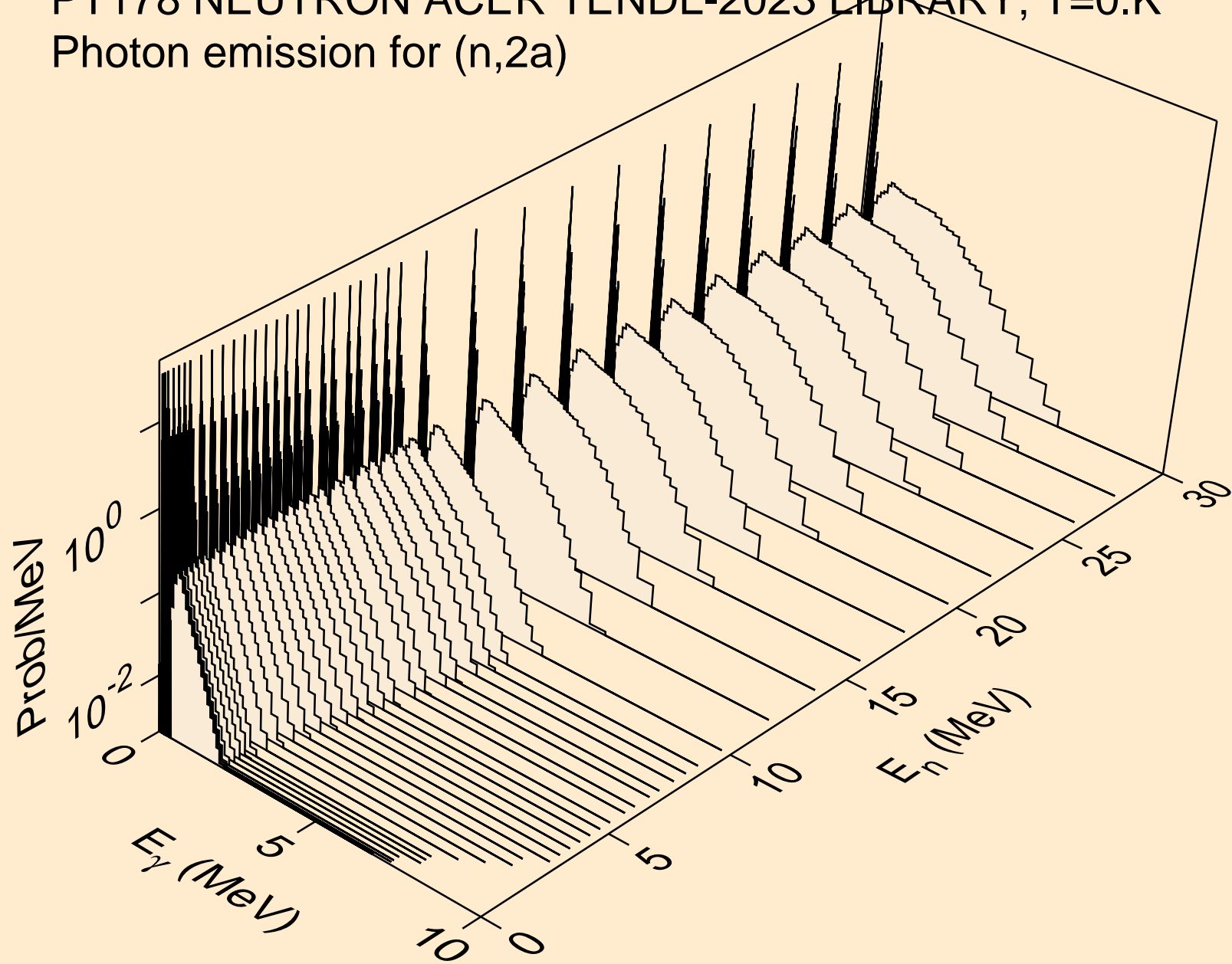
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)



PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)

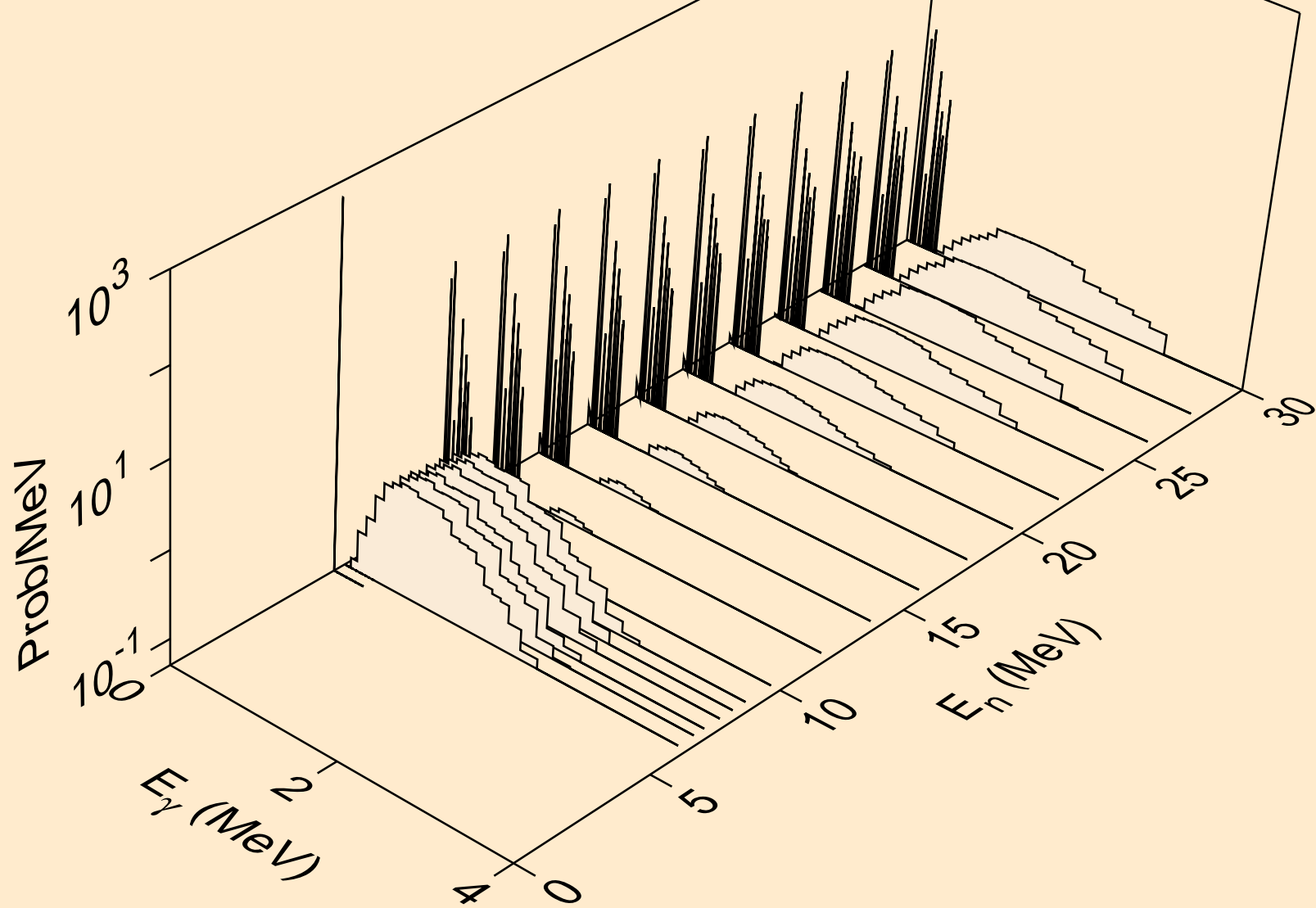


PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2a)

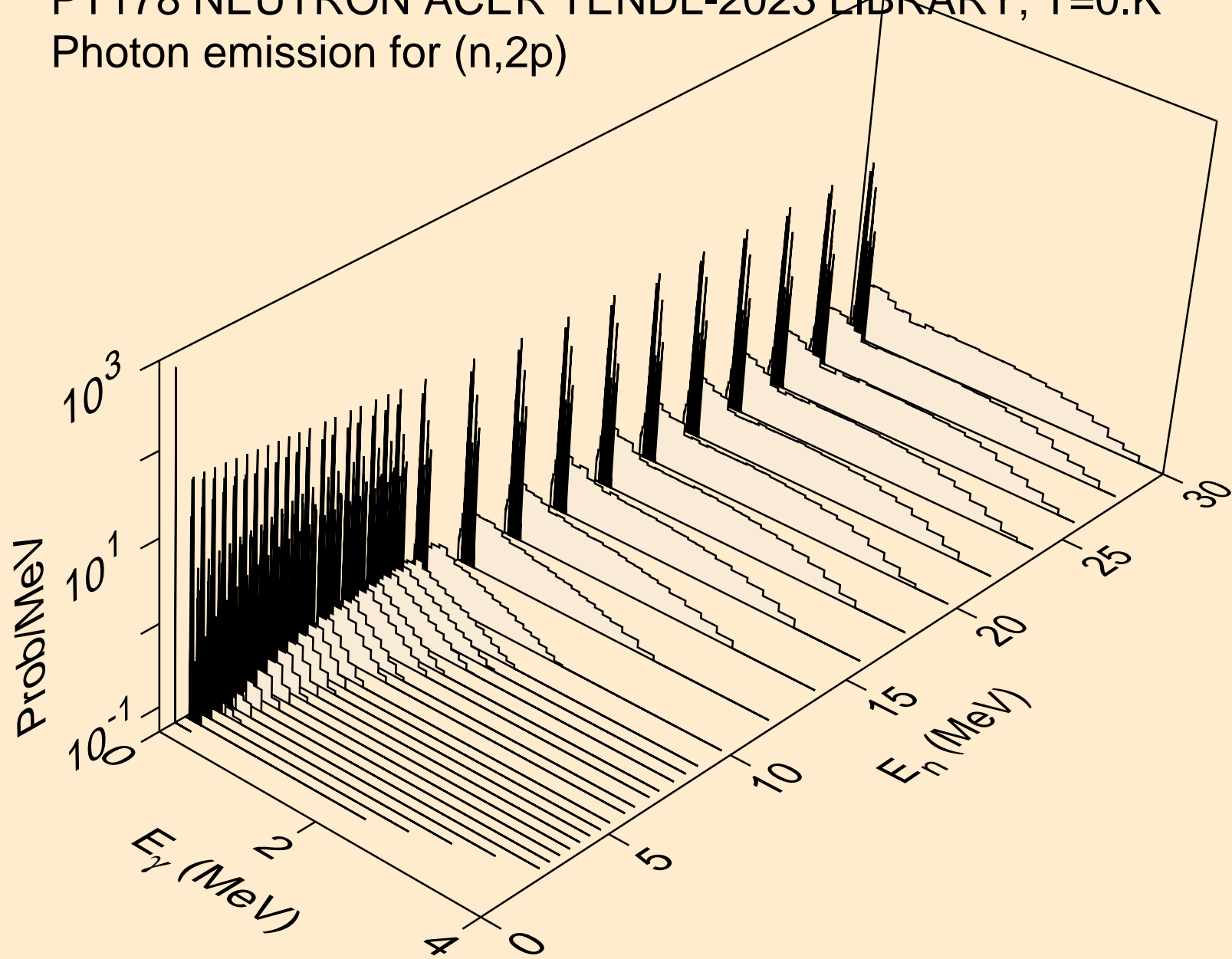




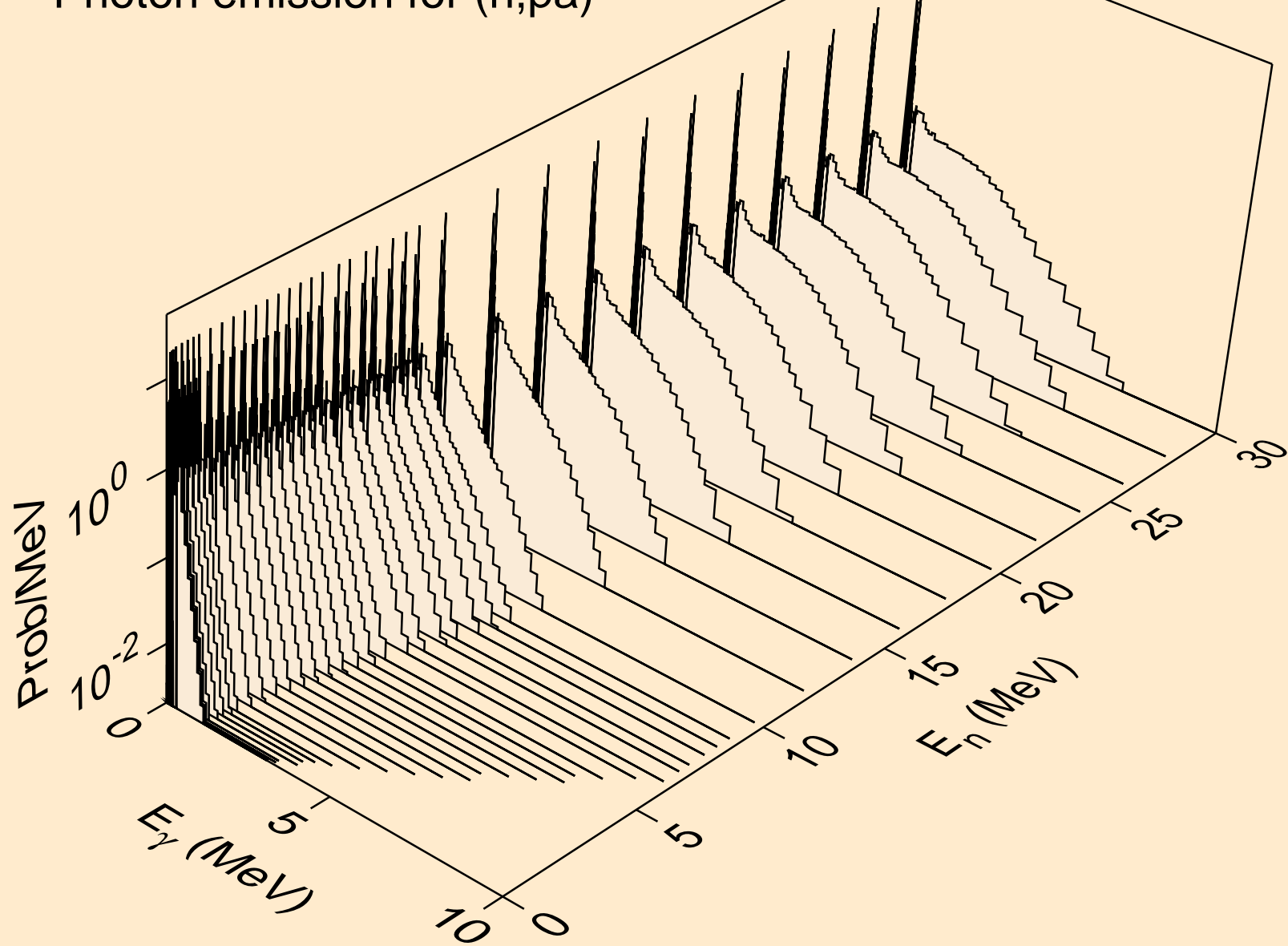
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3a)



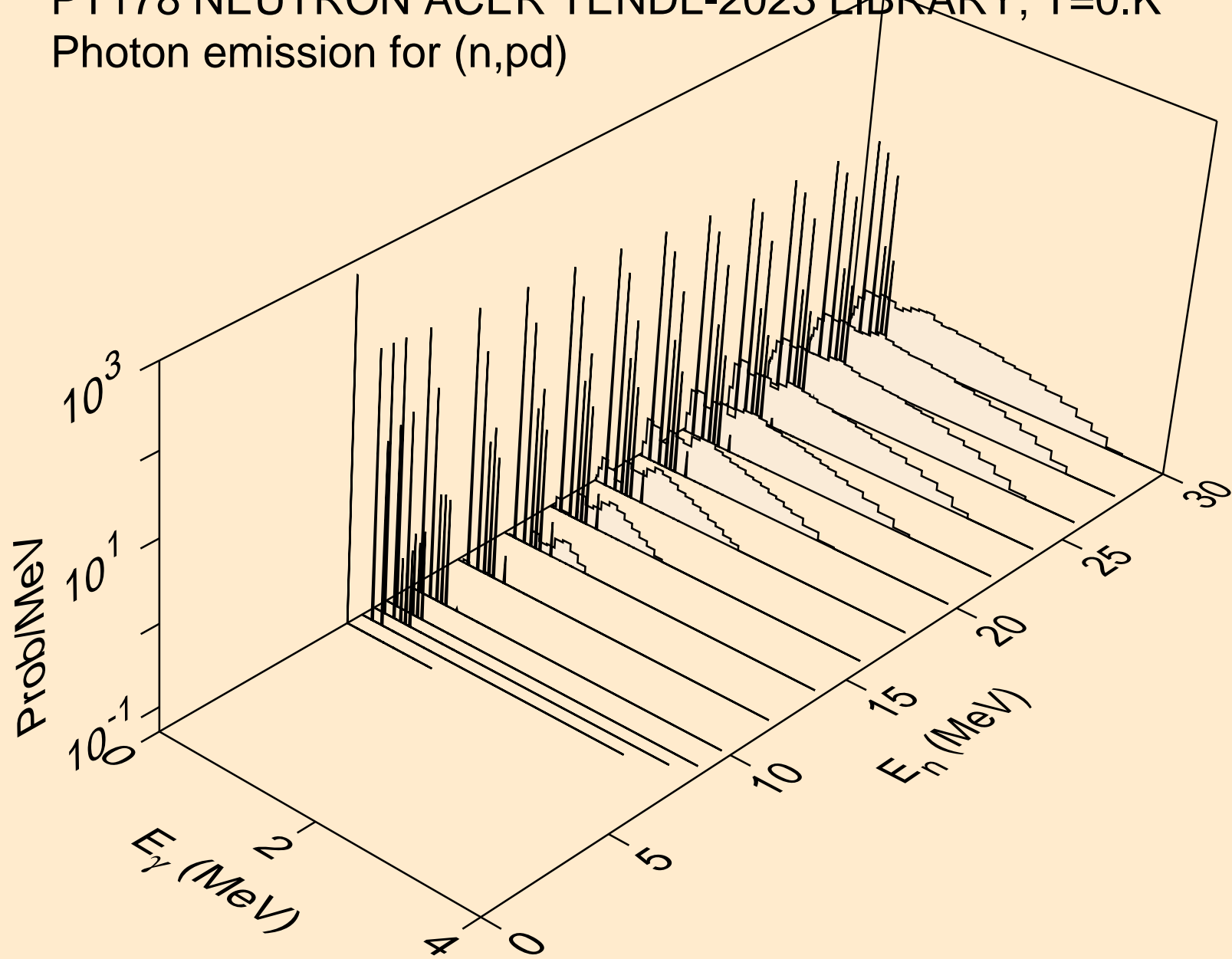
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)



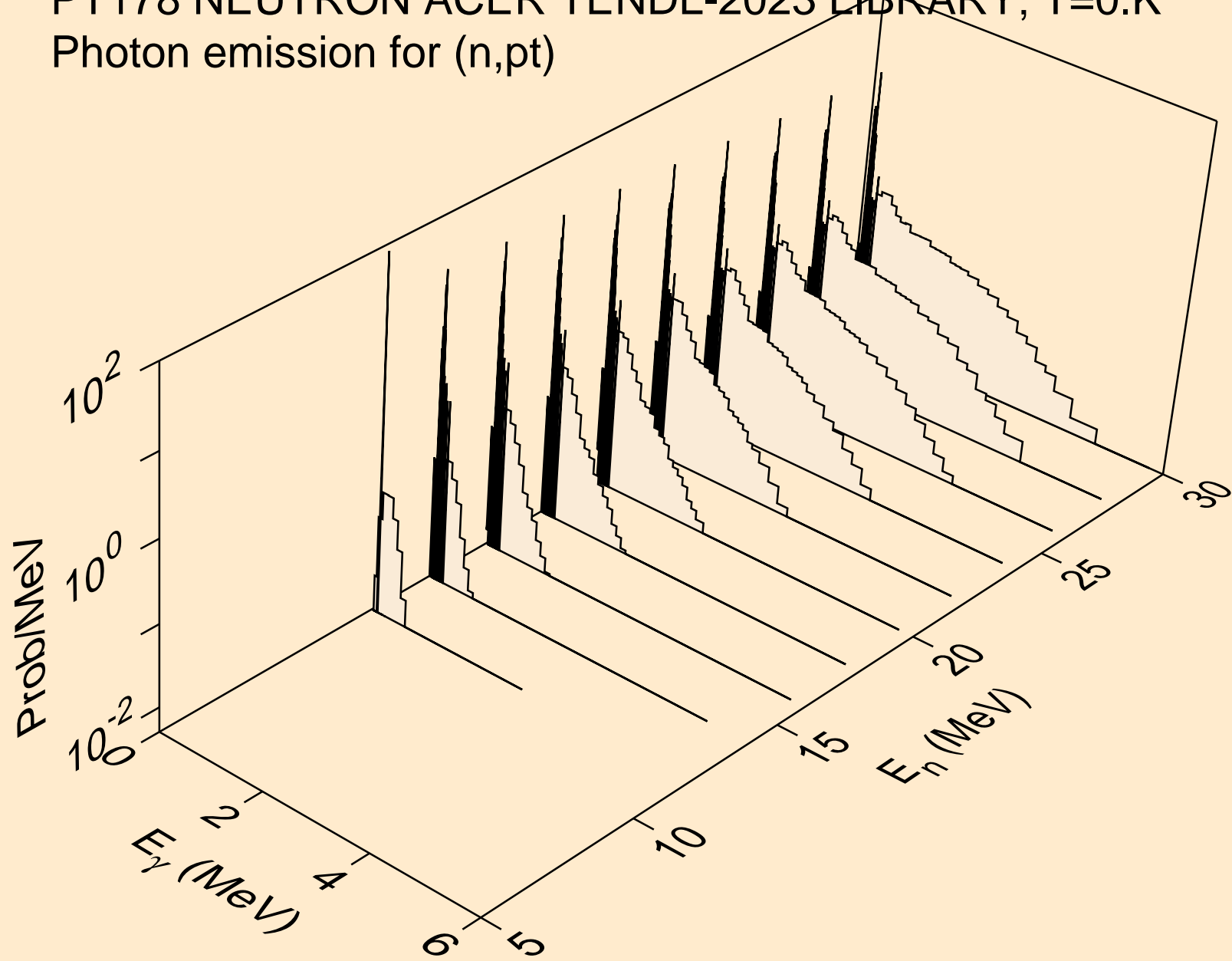
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p $\alpha$ )



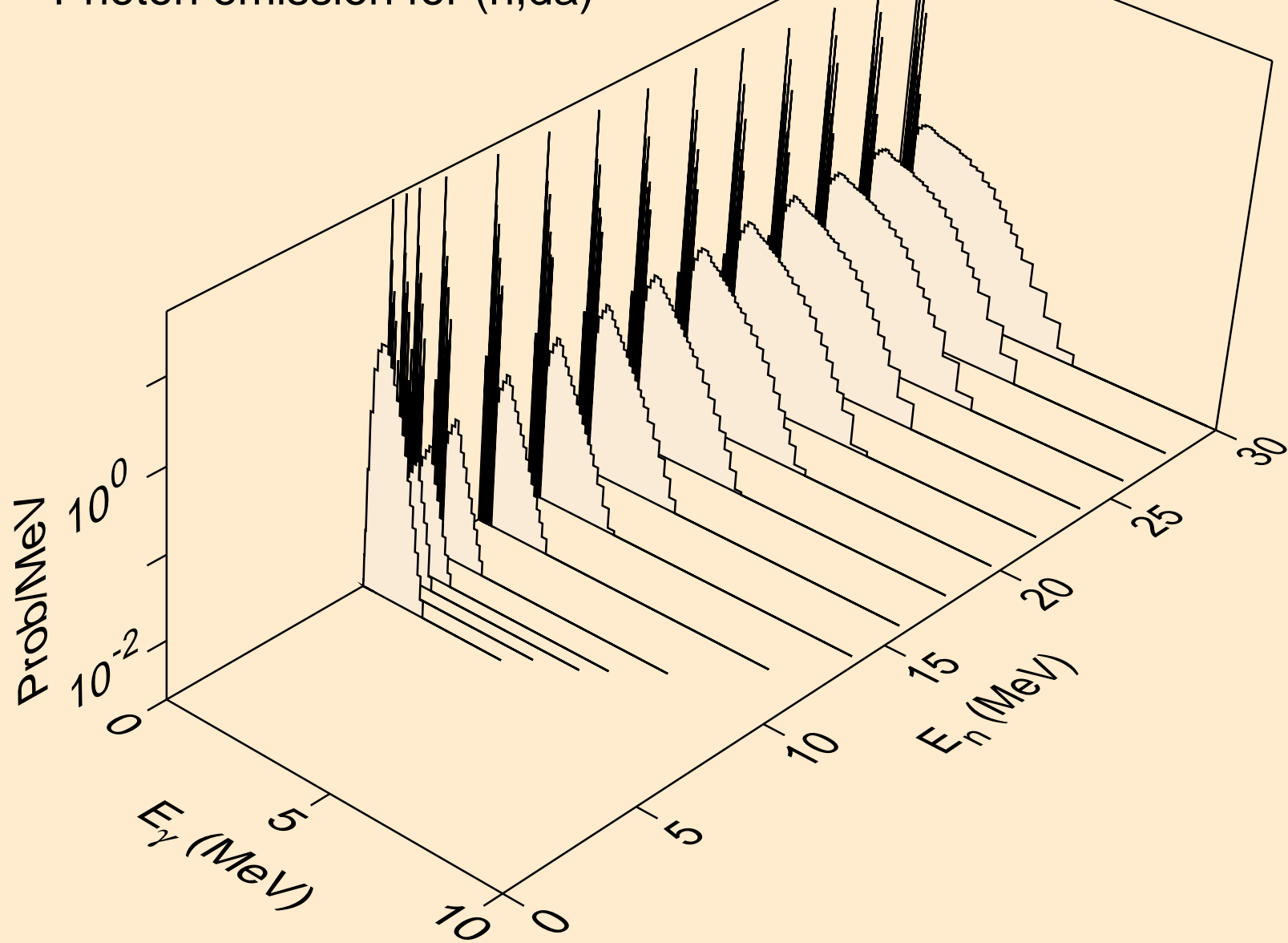
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)



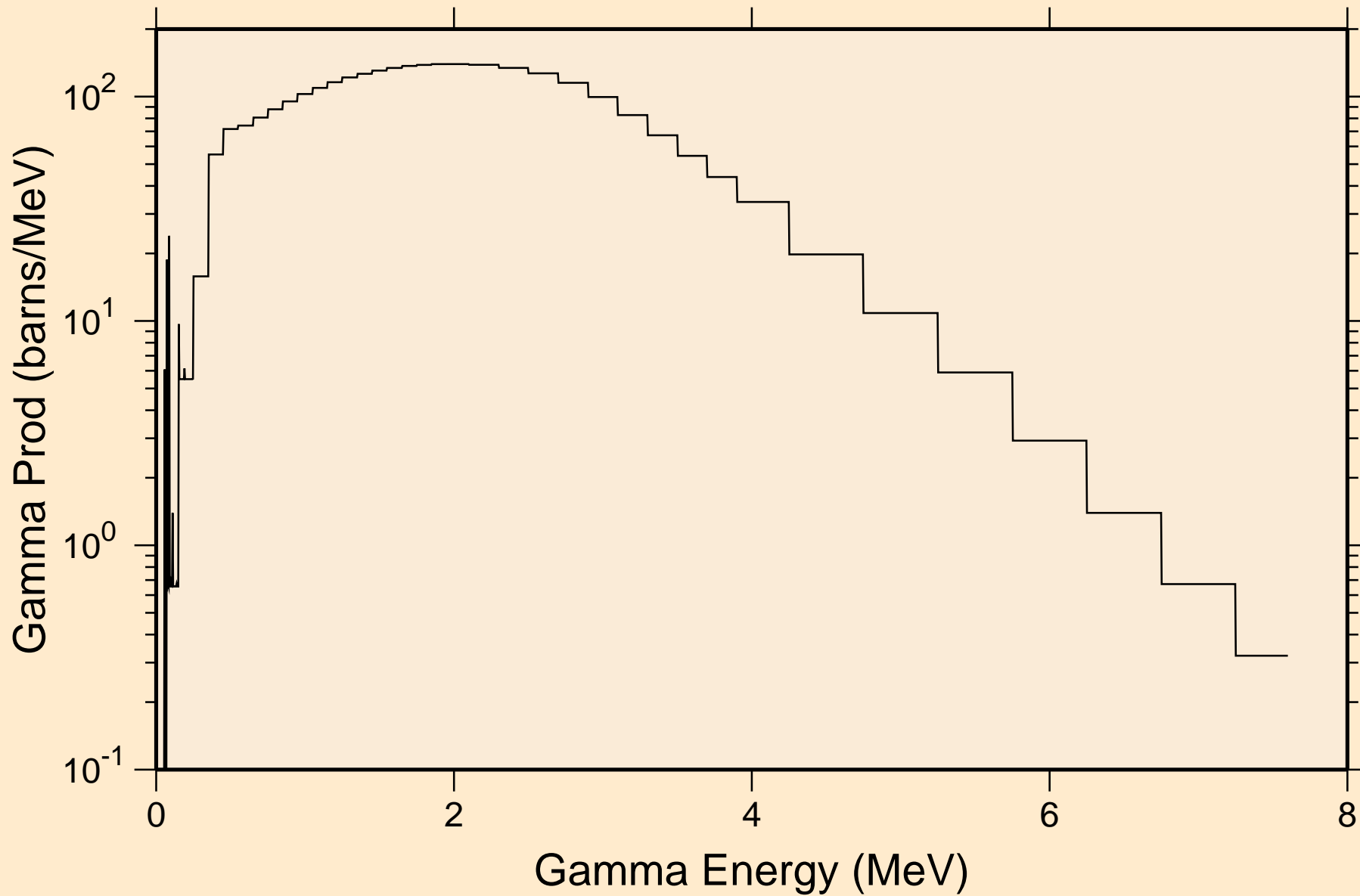
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)



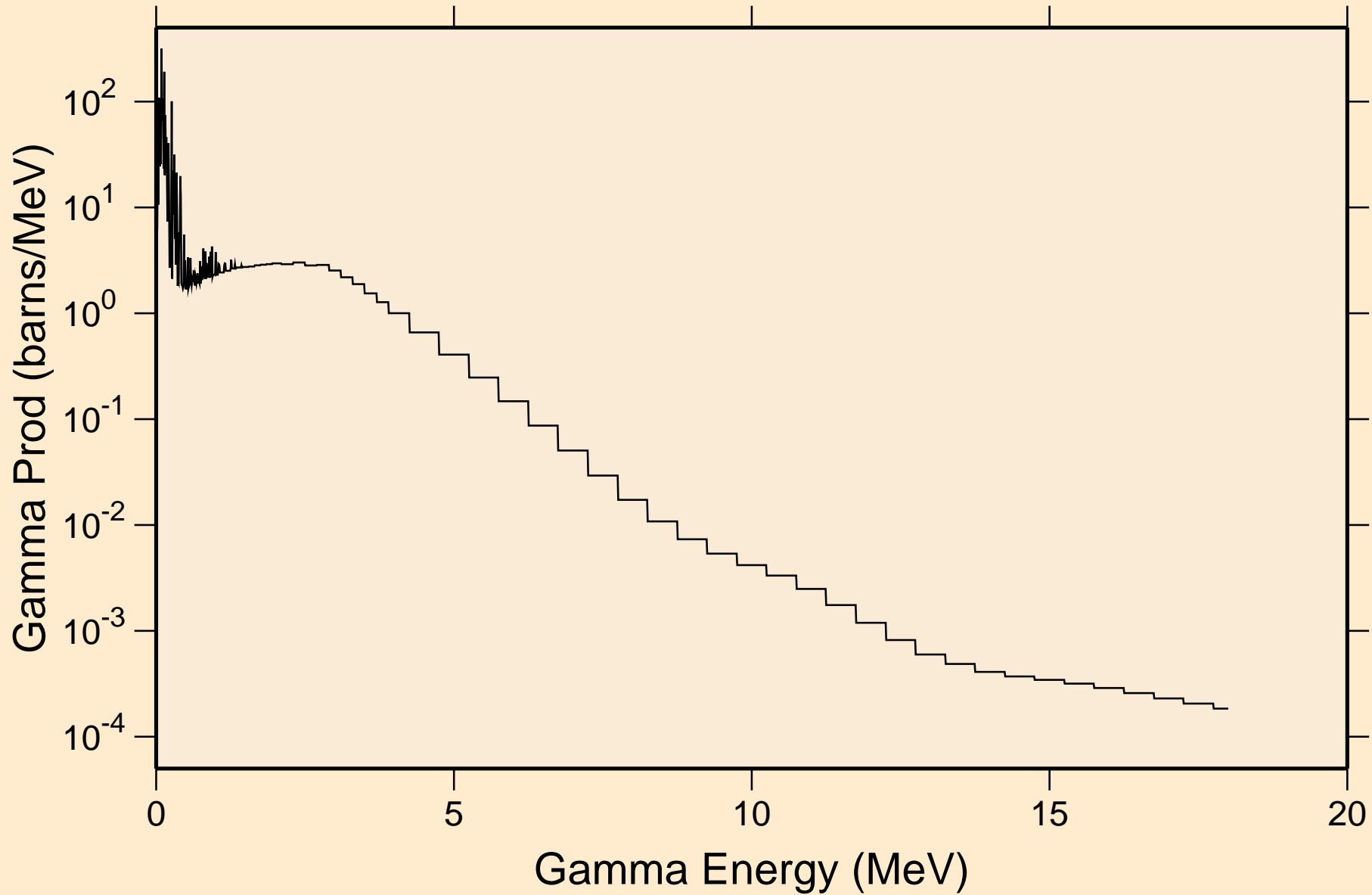
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)



PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
thermal capture photon spectrum

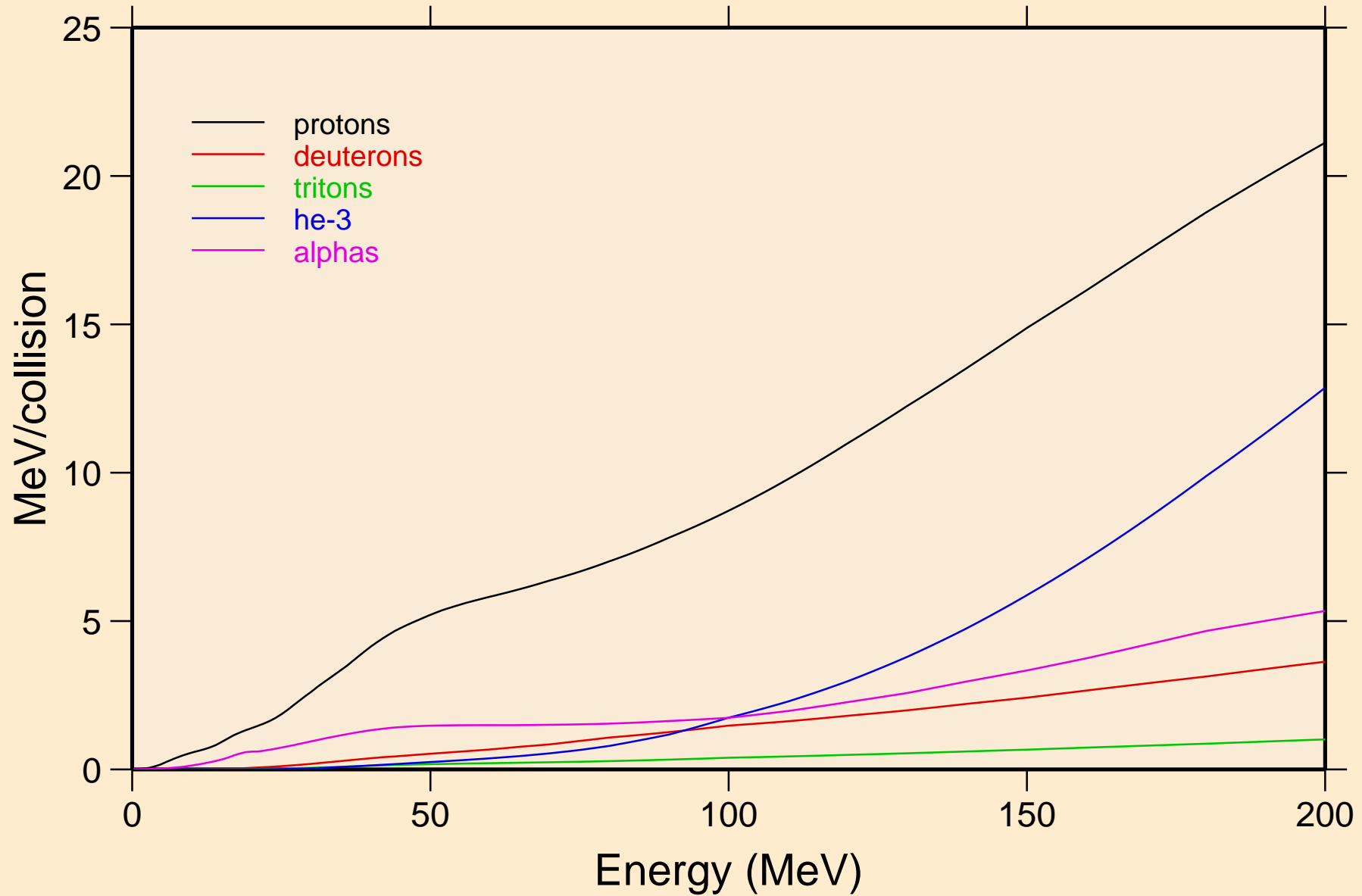


PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
14 MeV photon spectrum

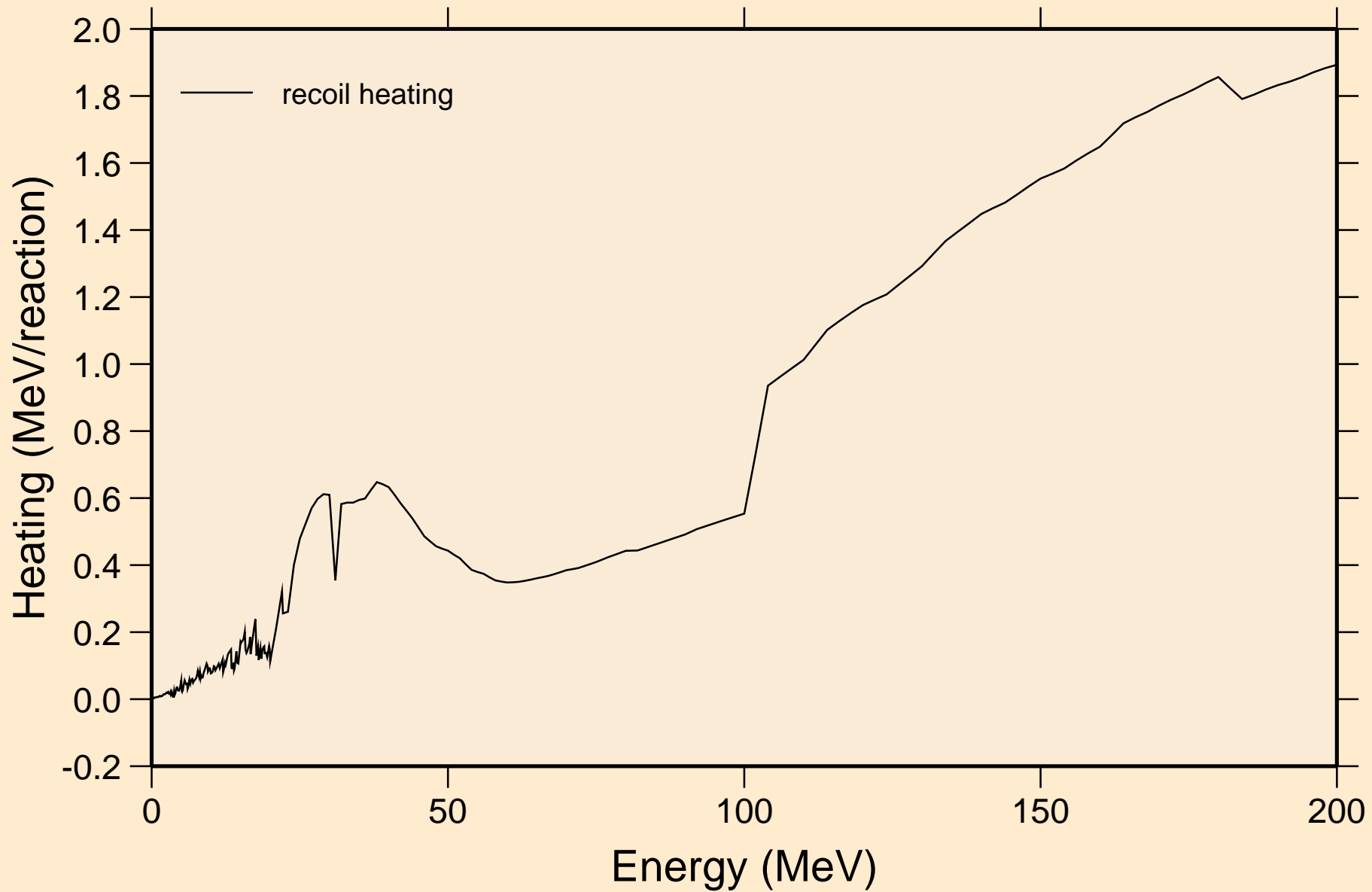




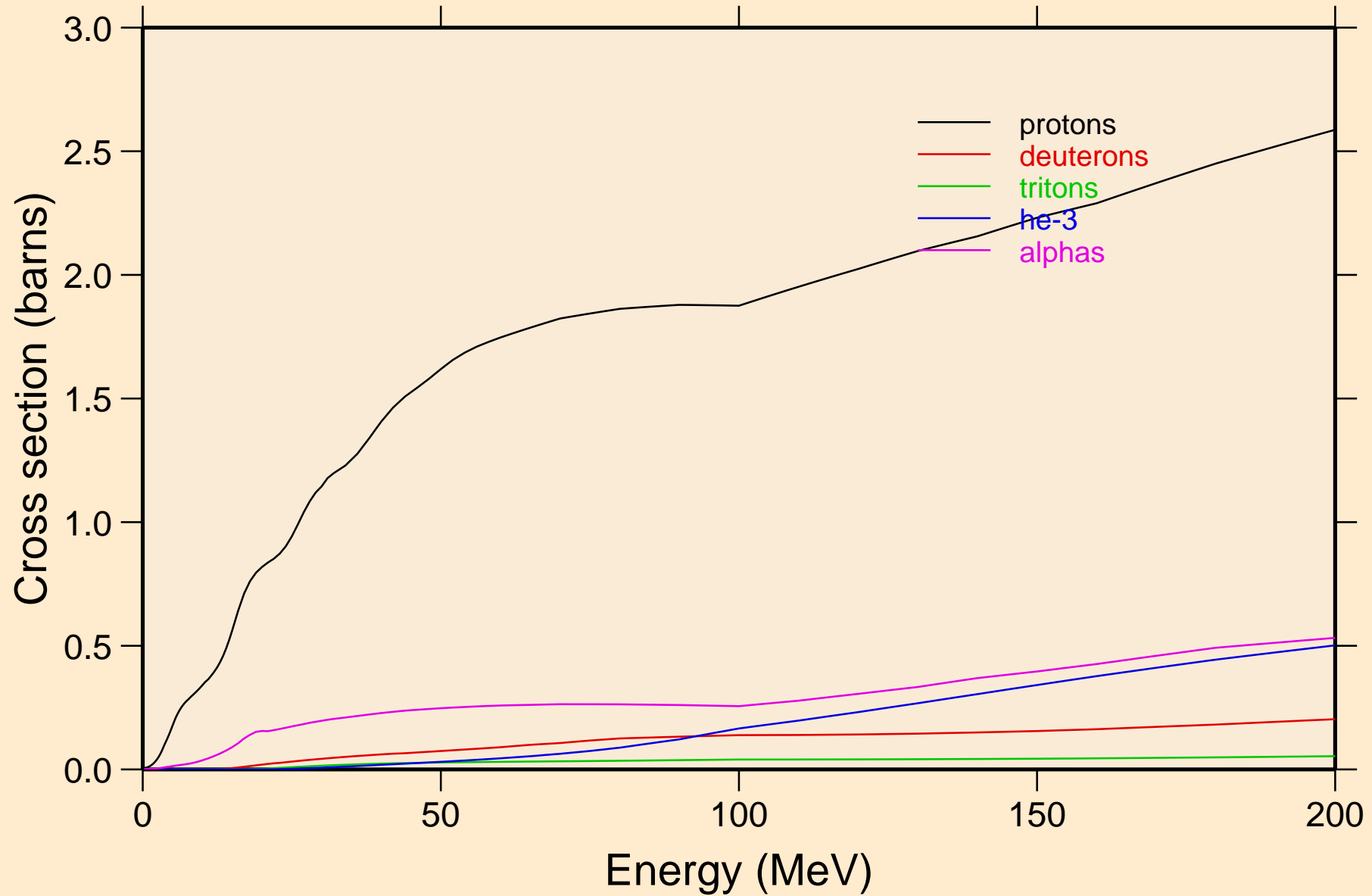
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Particle heating contributions



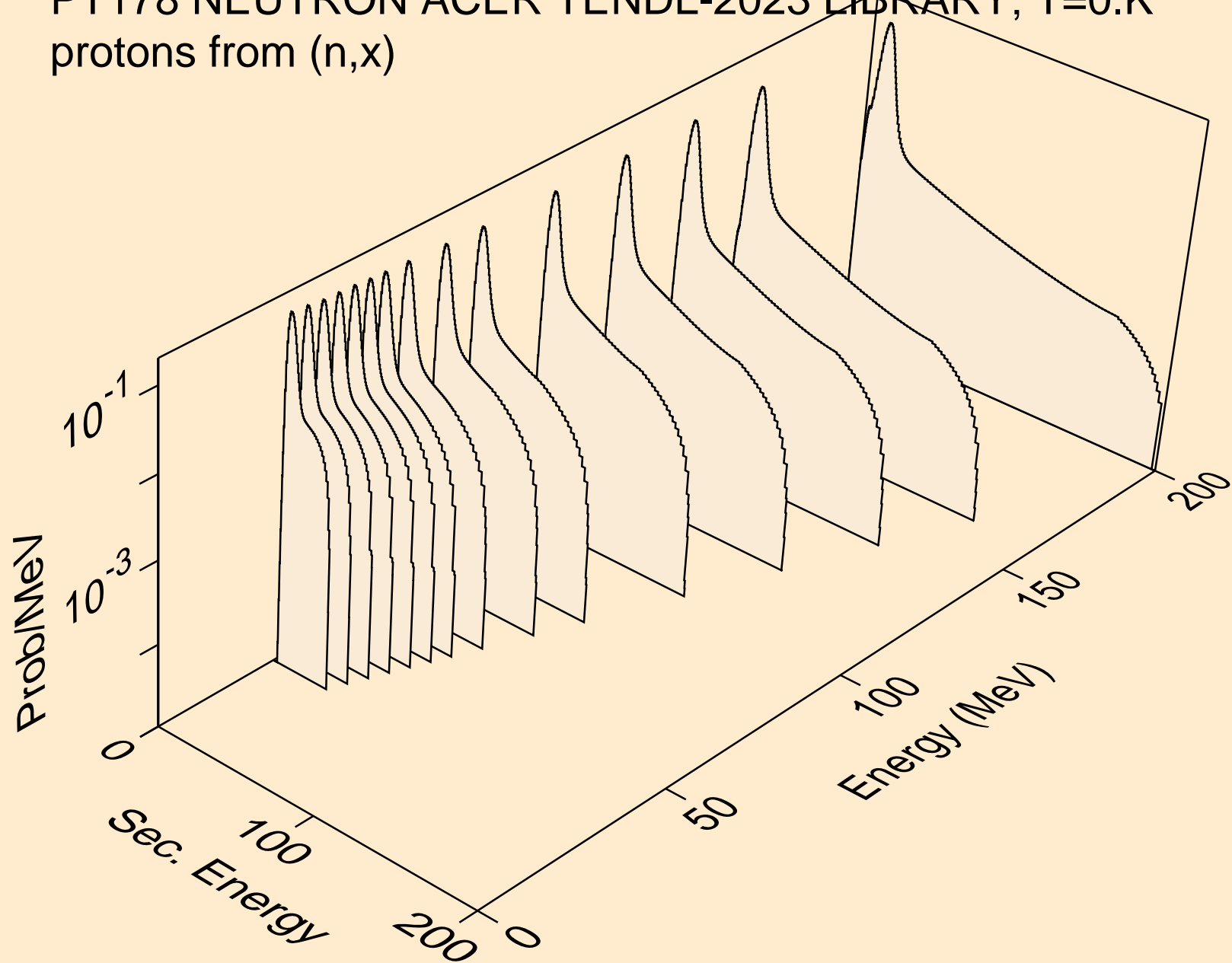
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating



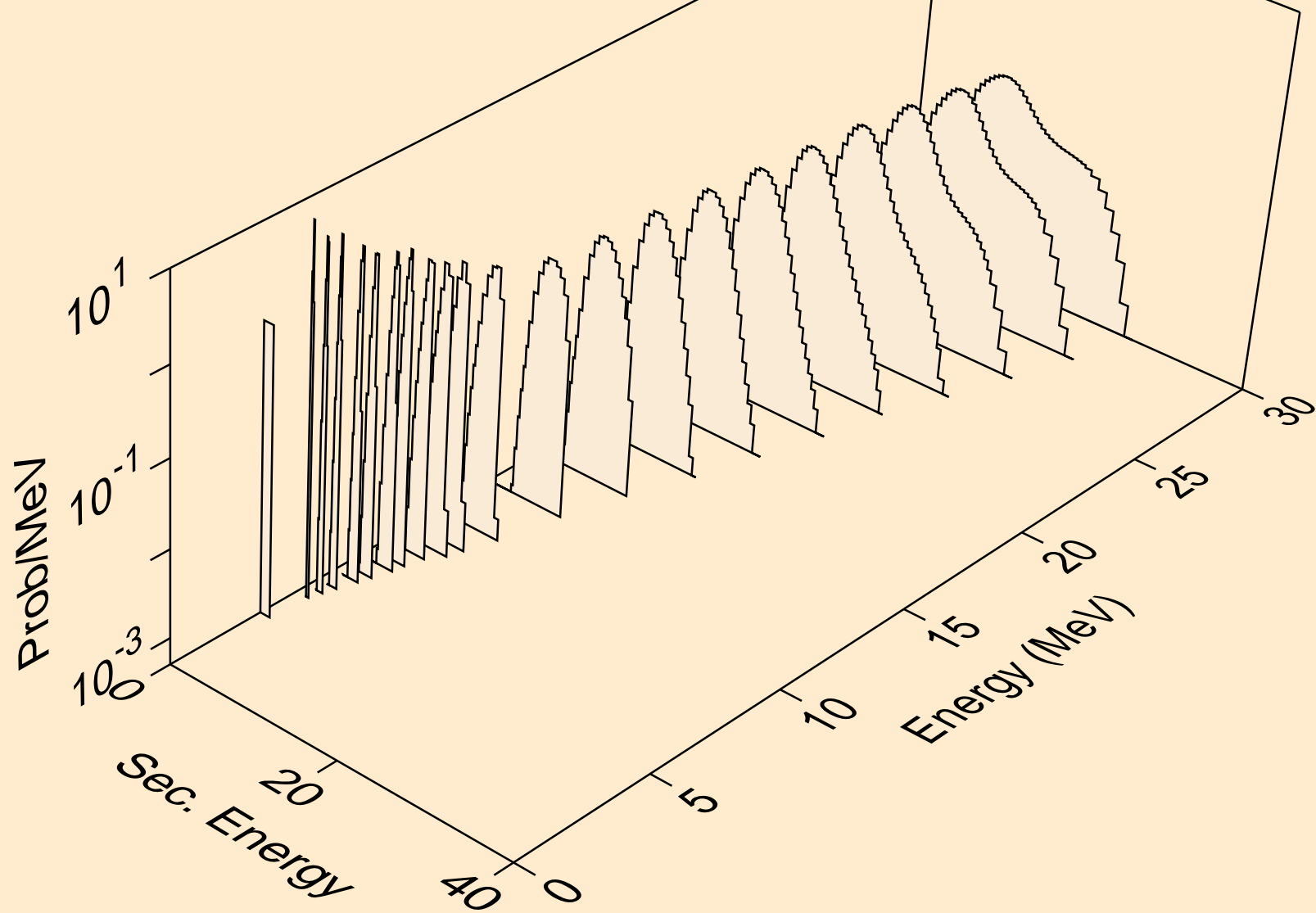
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Particle production cross sections



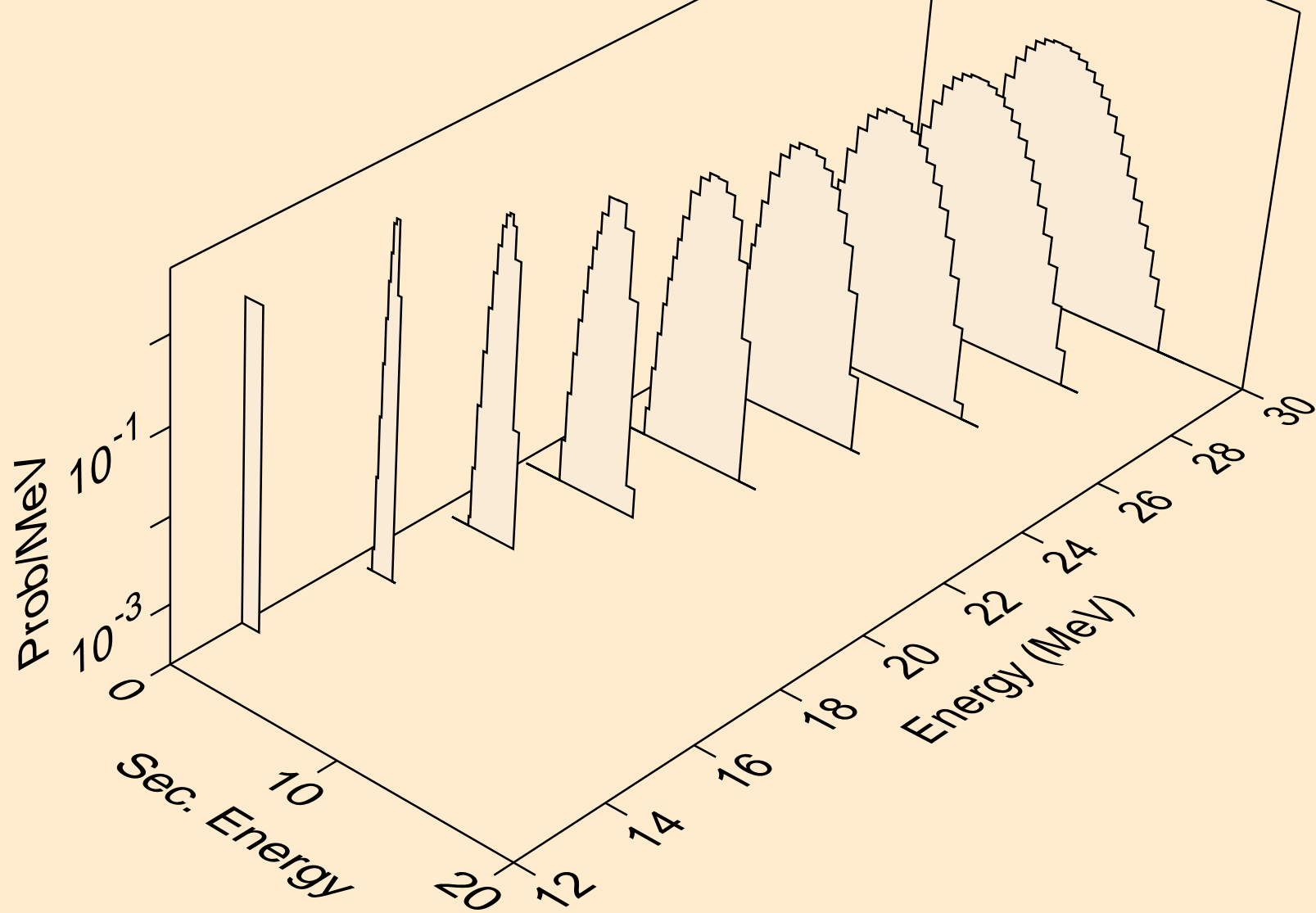
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,x)



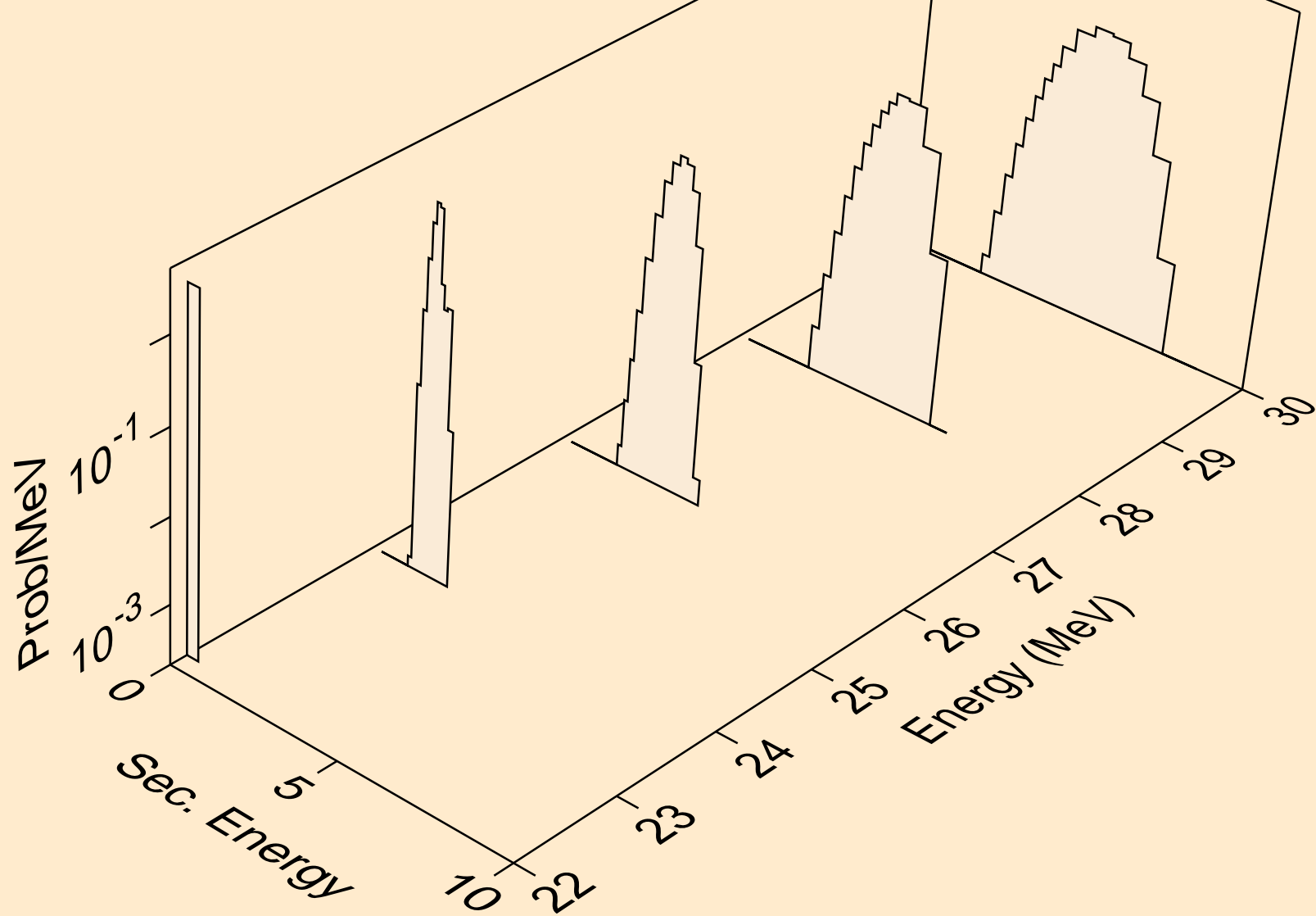
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n\*)p



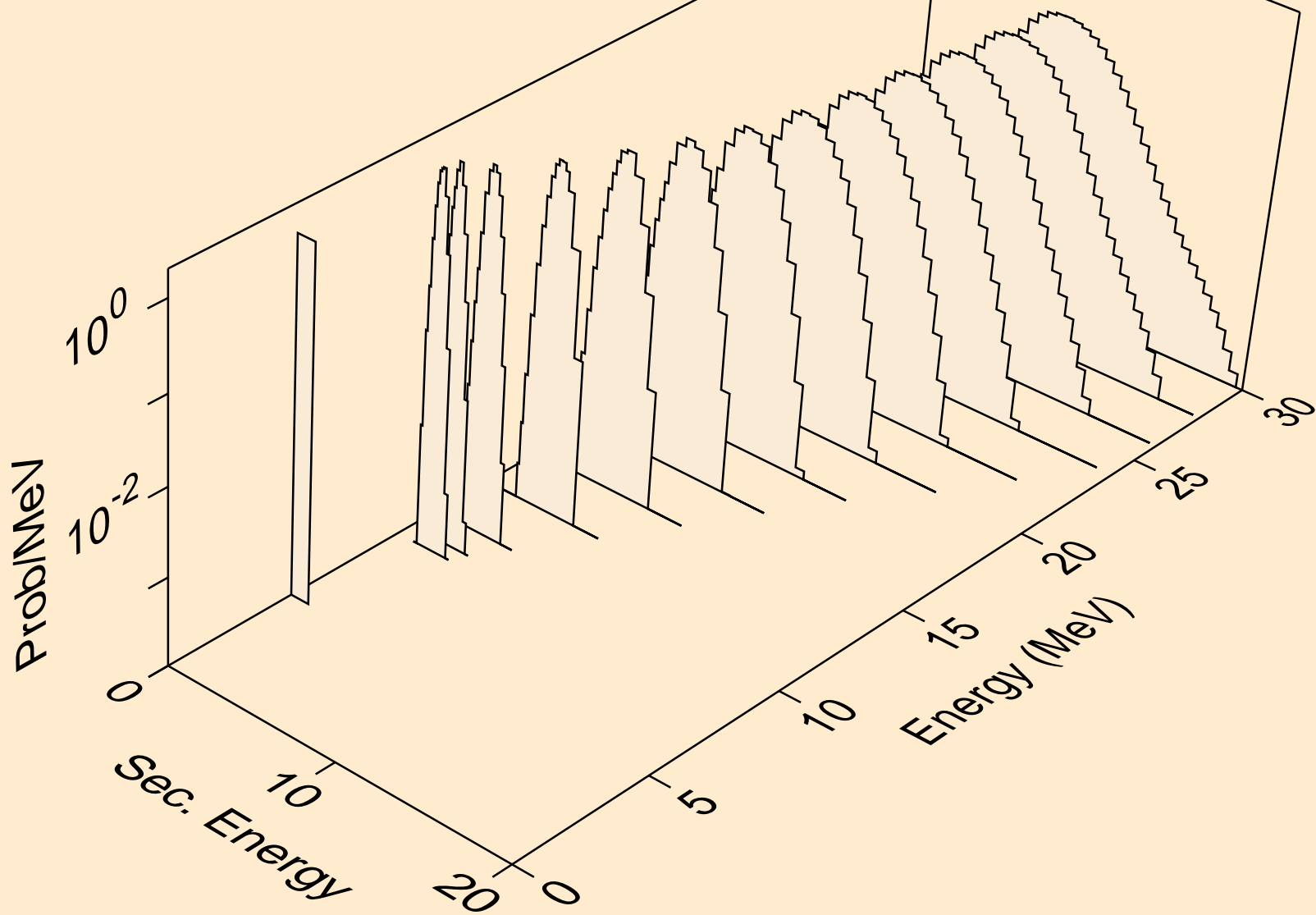
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,2np)



PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,3np)

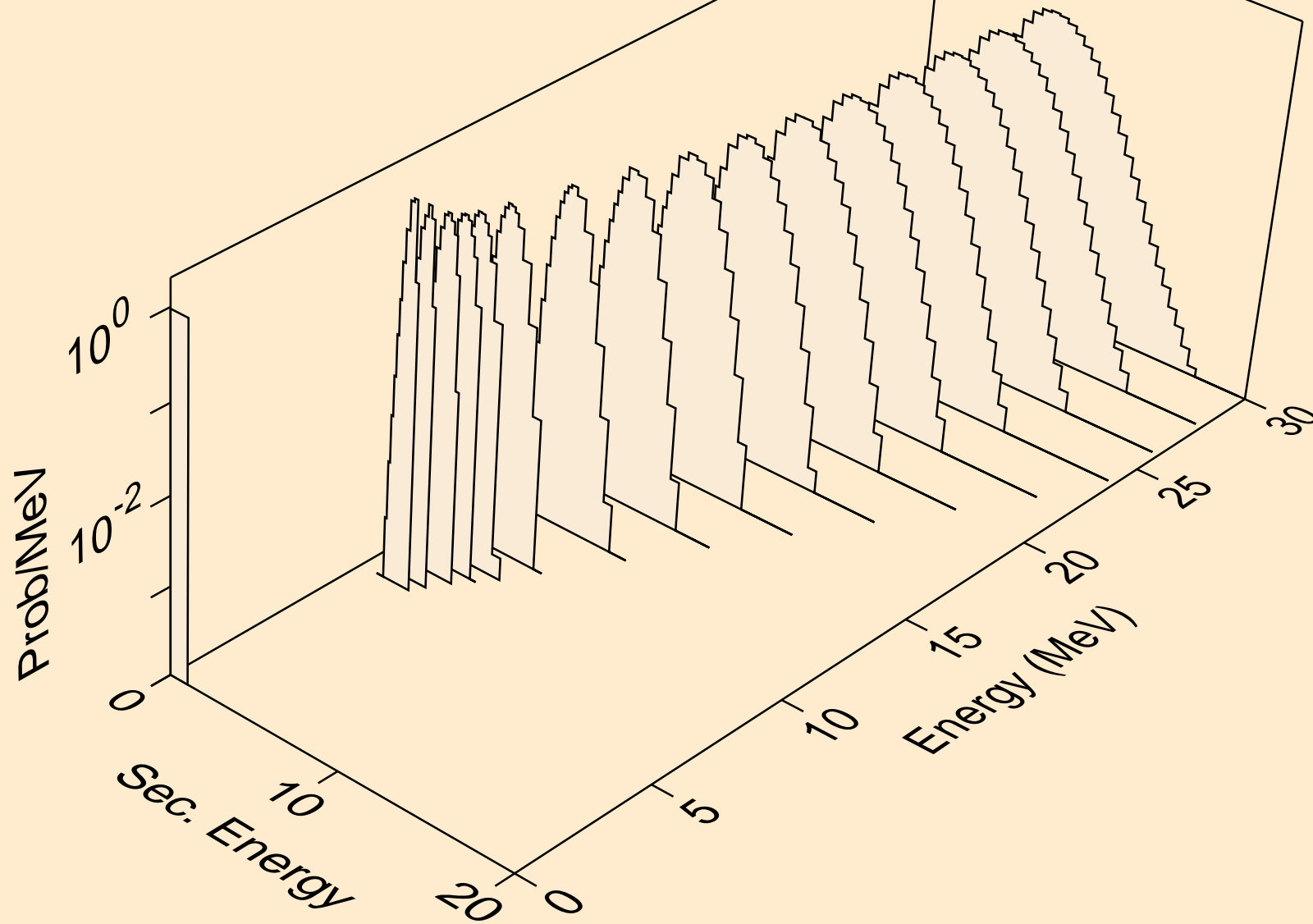


PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n2p)

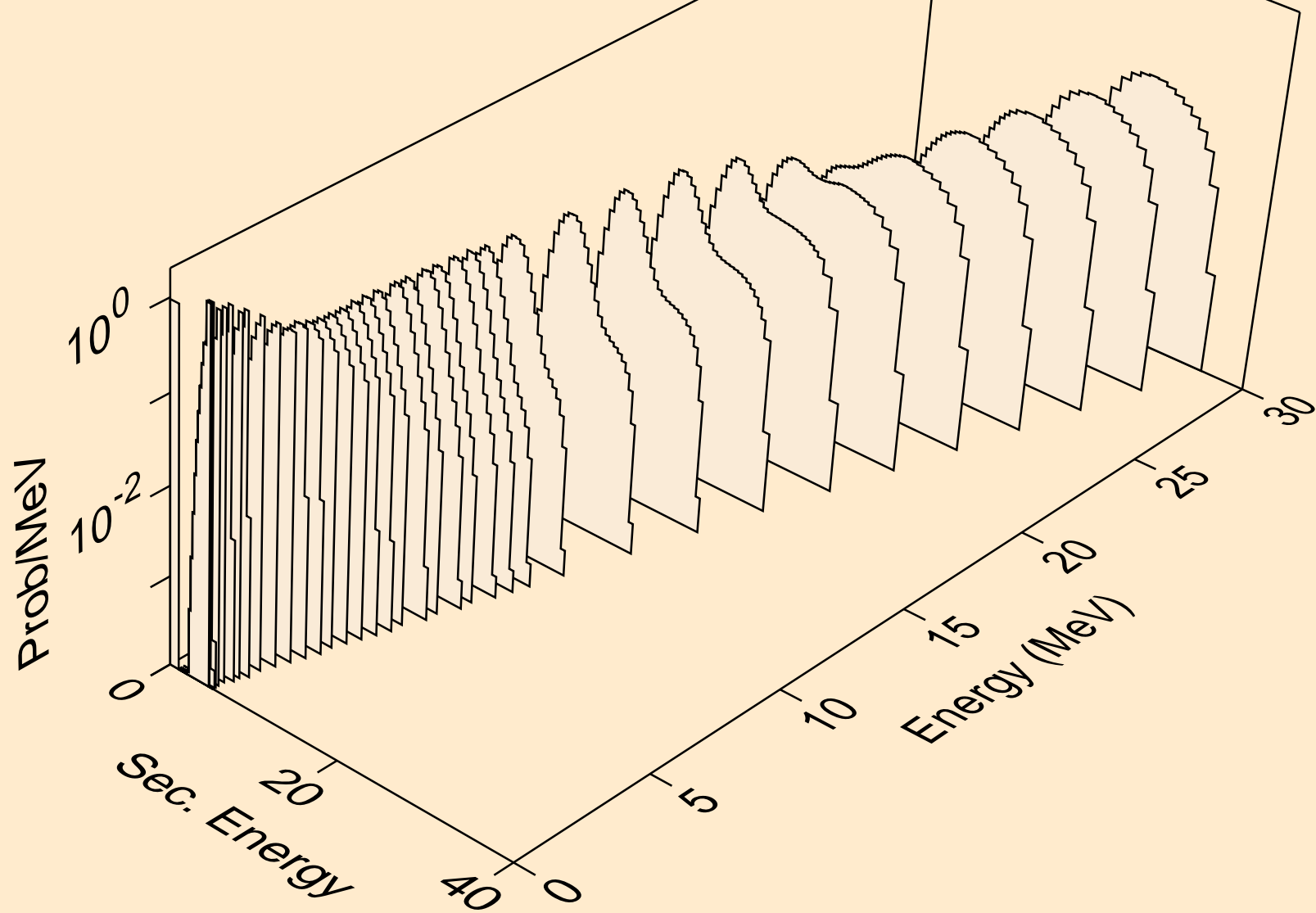




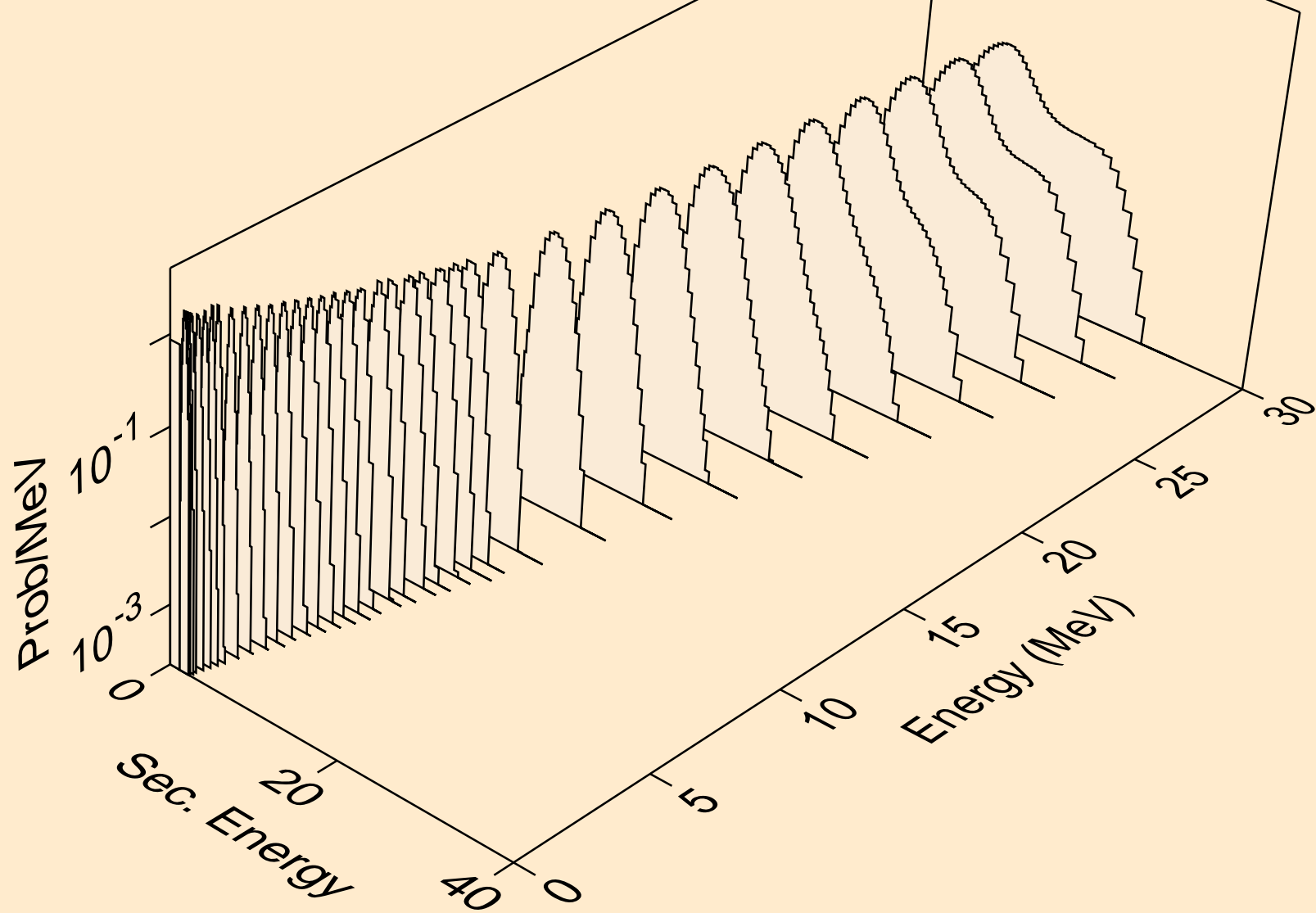
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,npa)



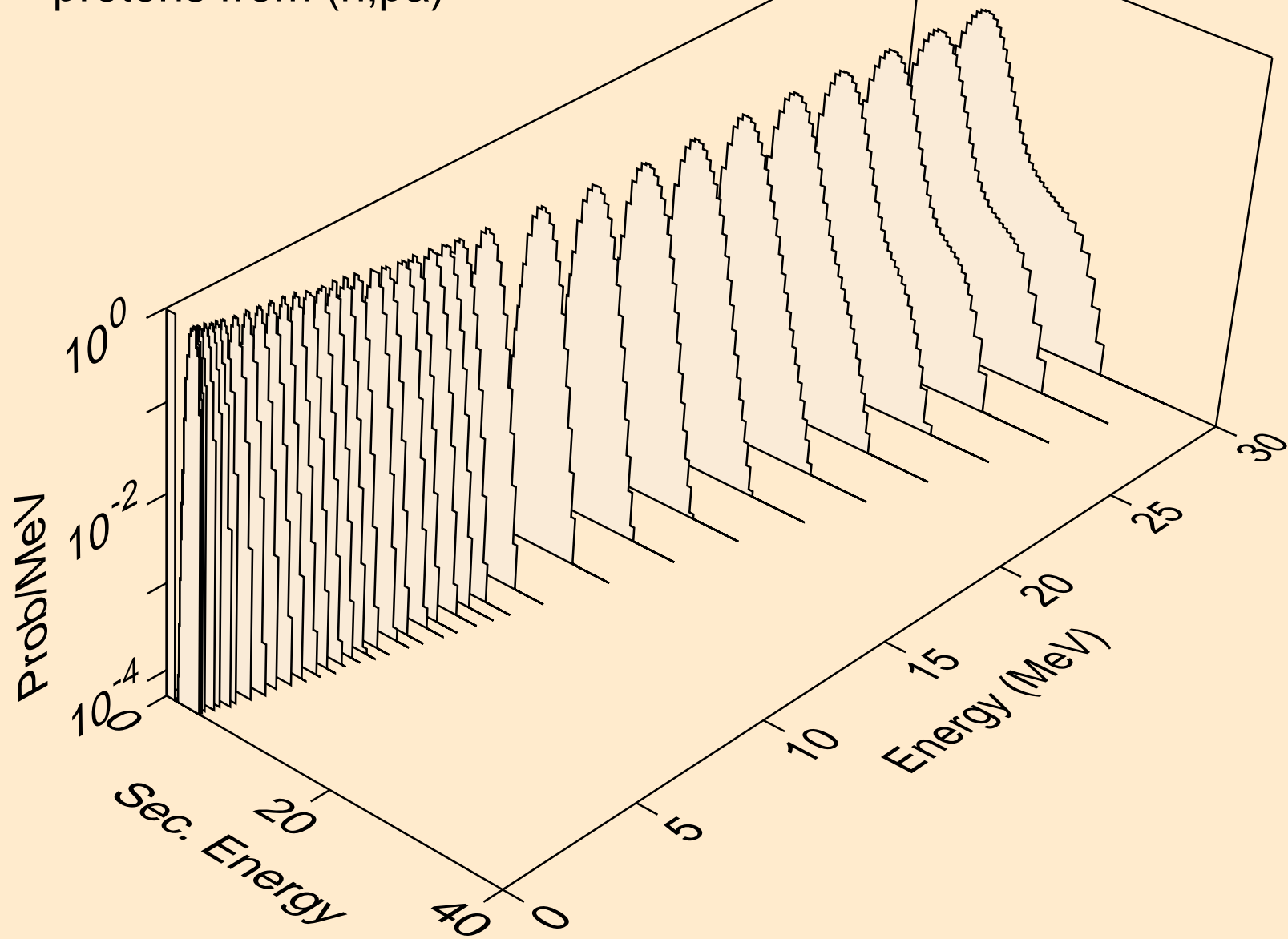
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,p)



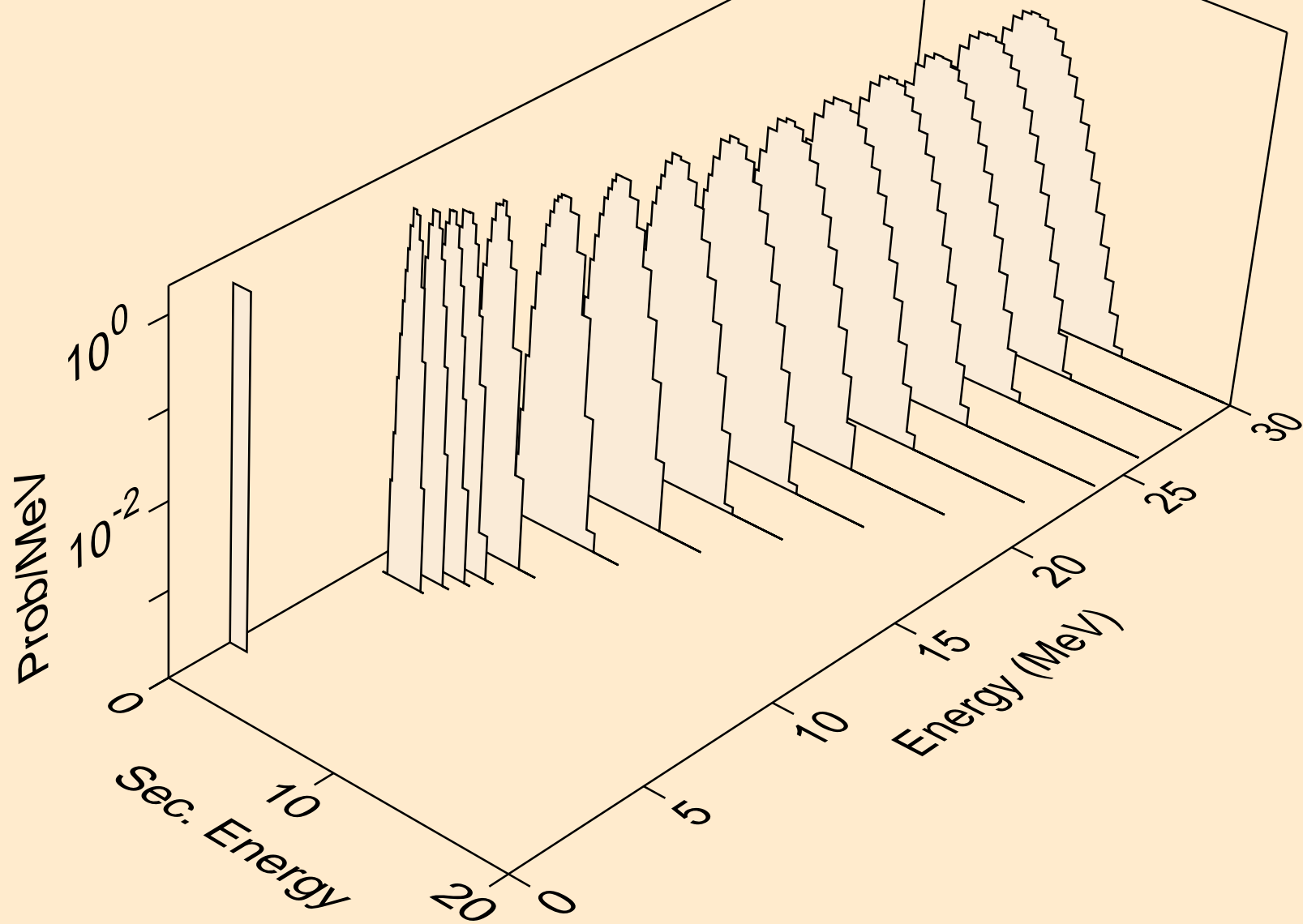
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,2p)



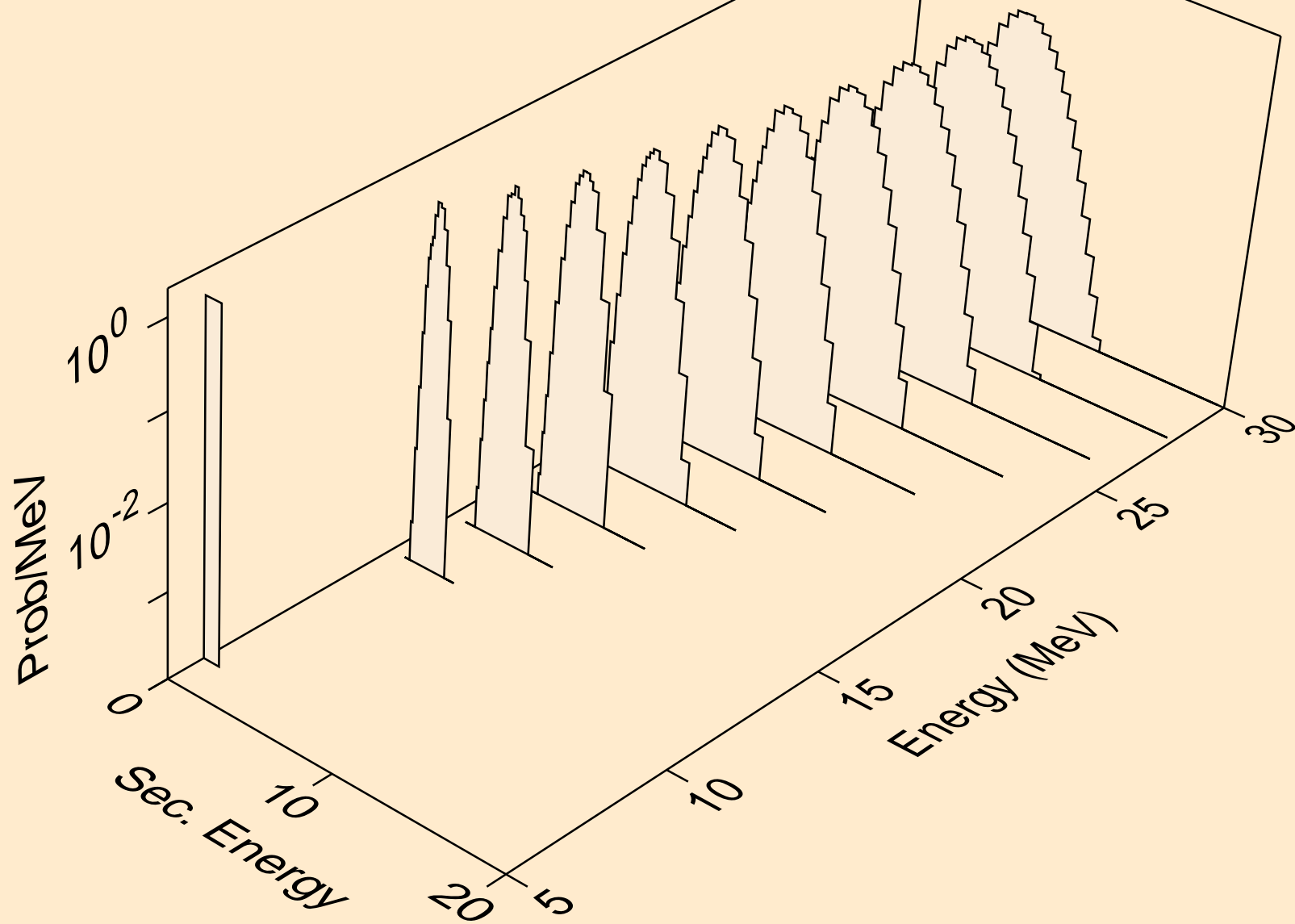
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,p)



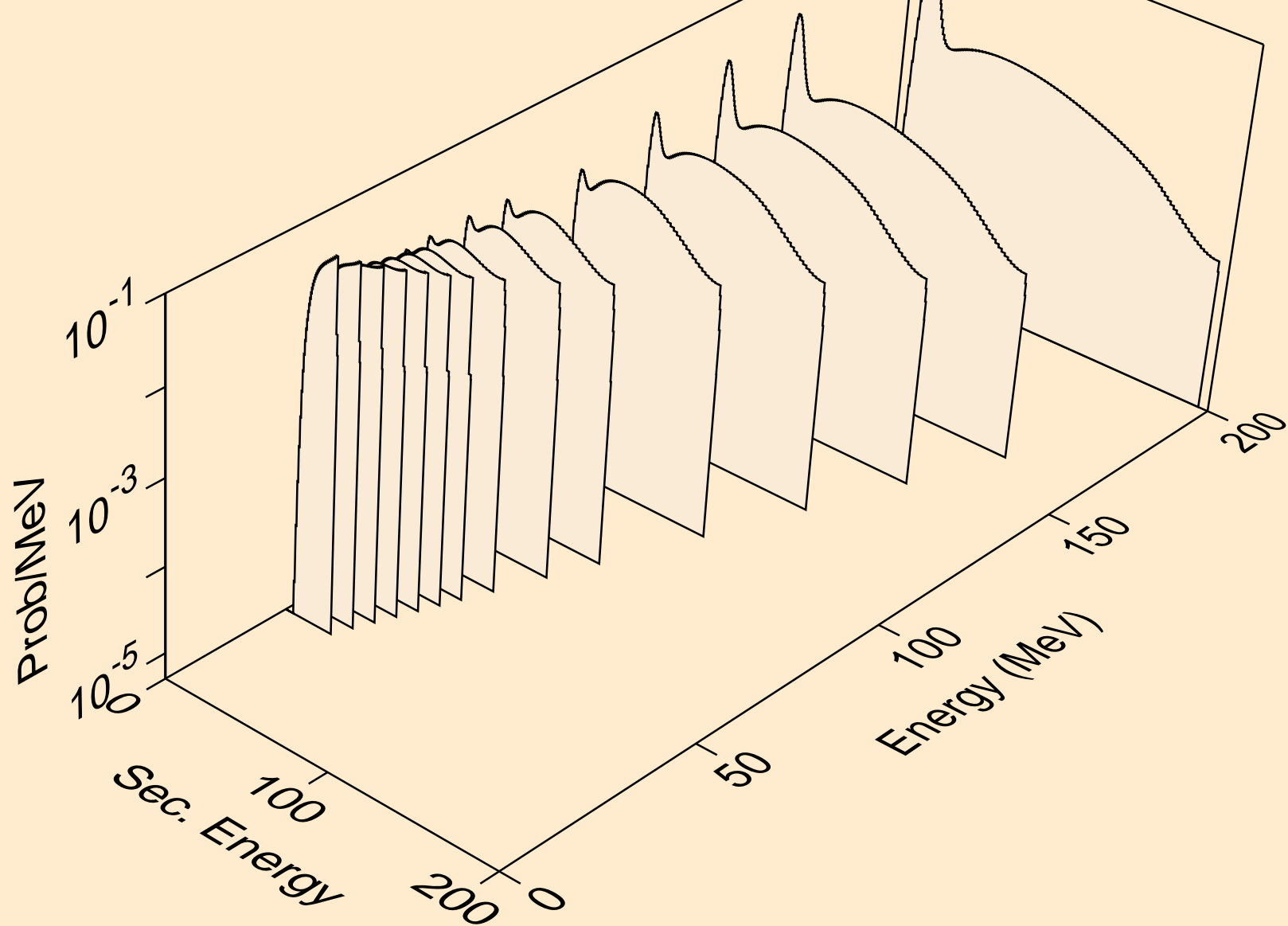
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,pd)



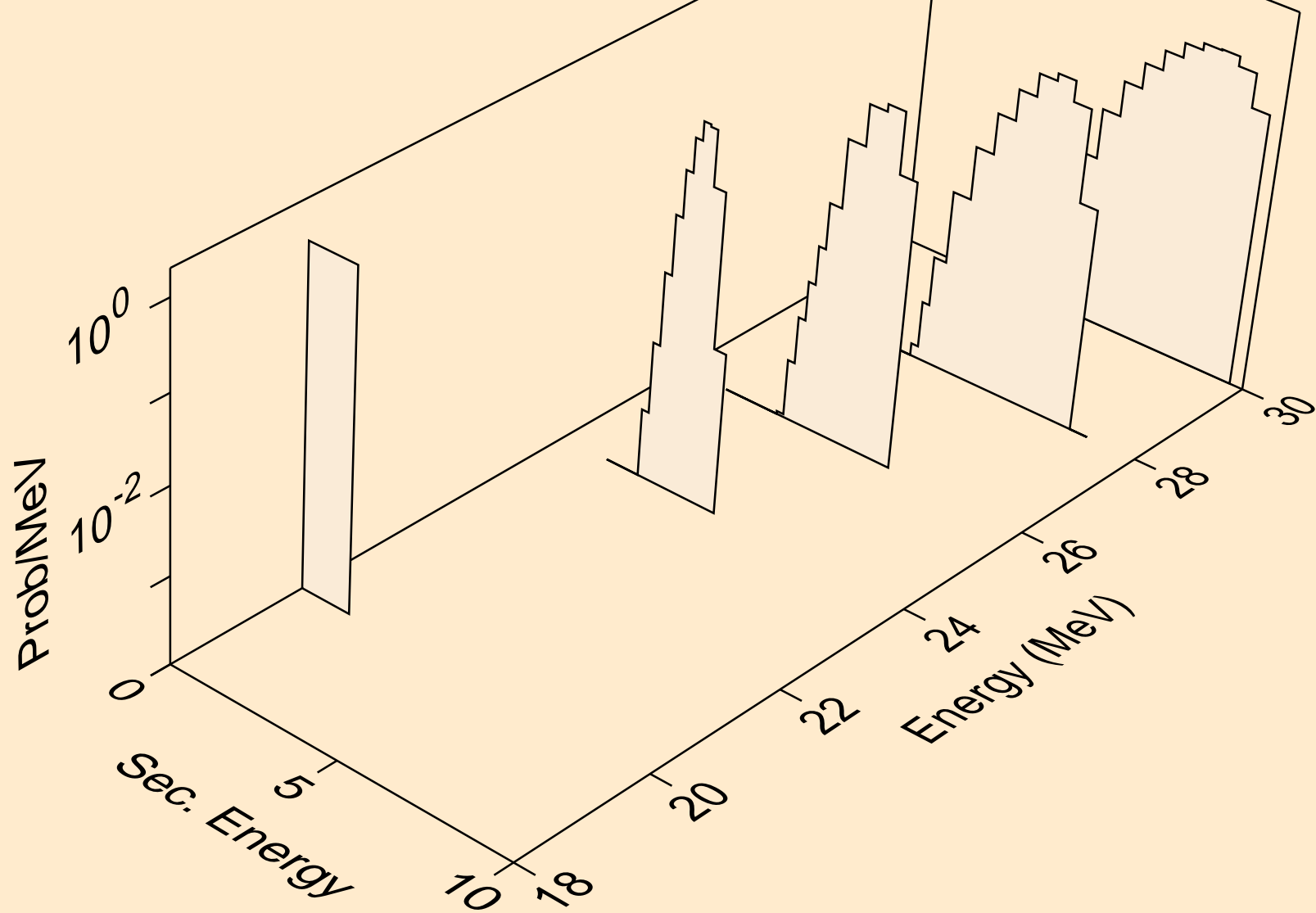
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,pt)



PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,x)

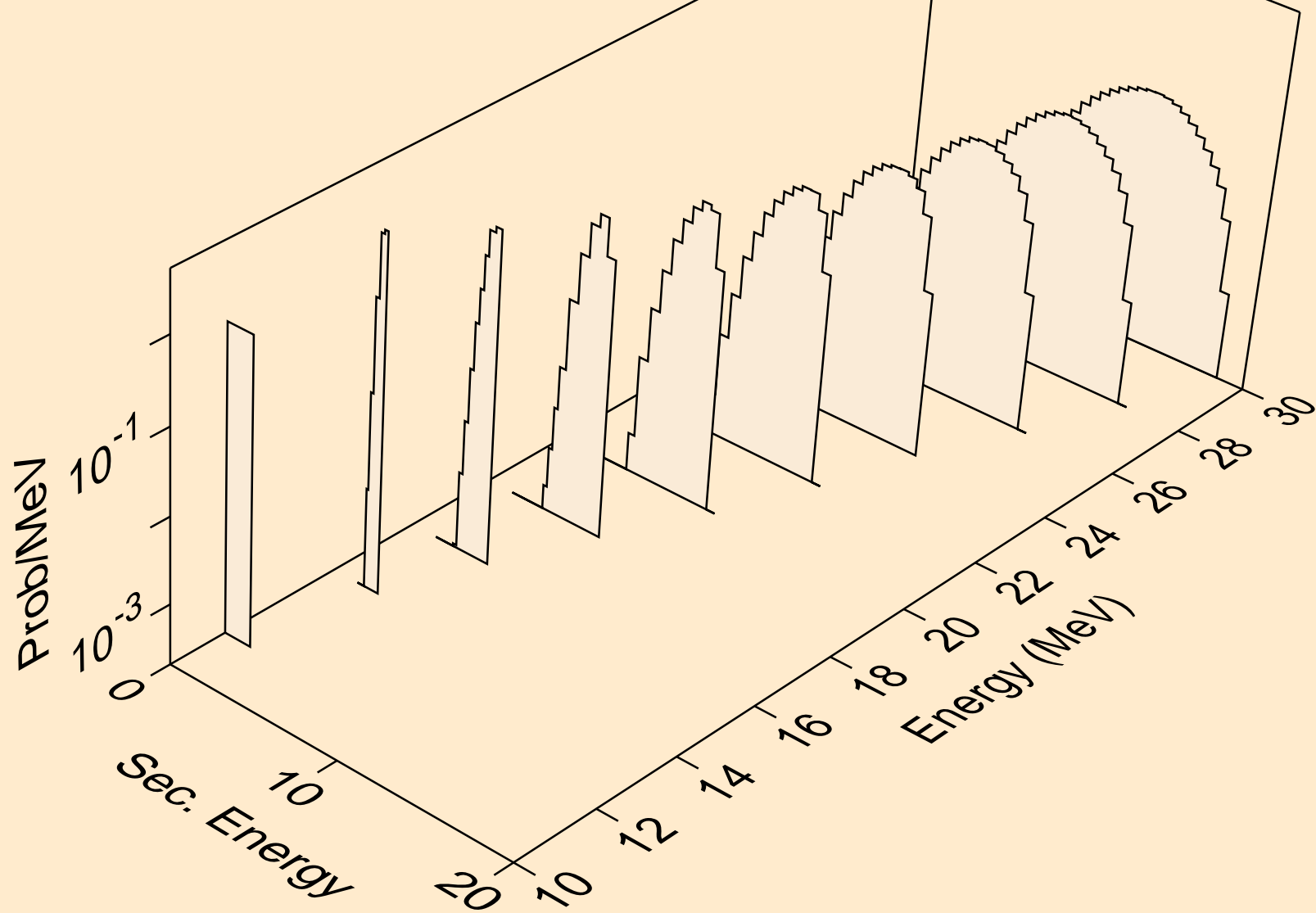


PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,2nd)

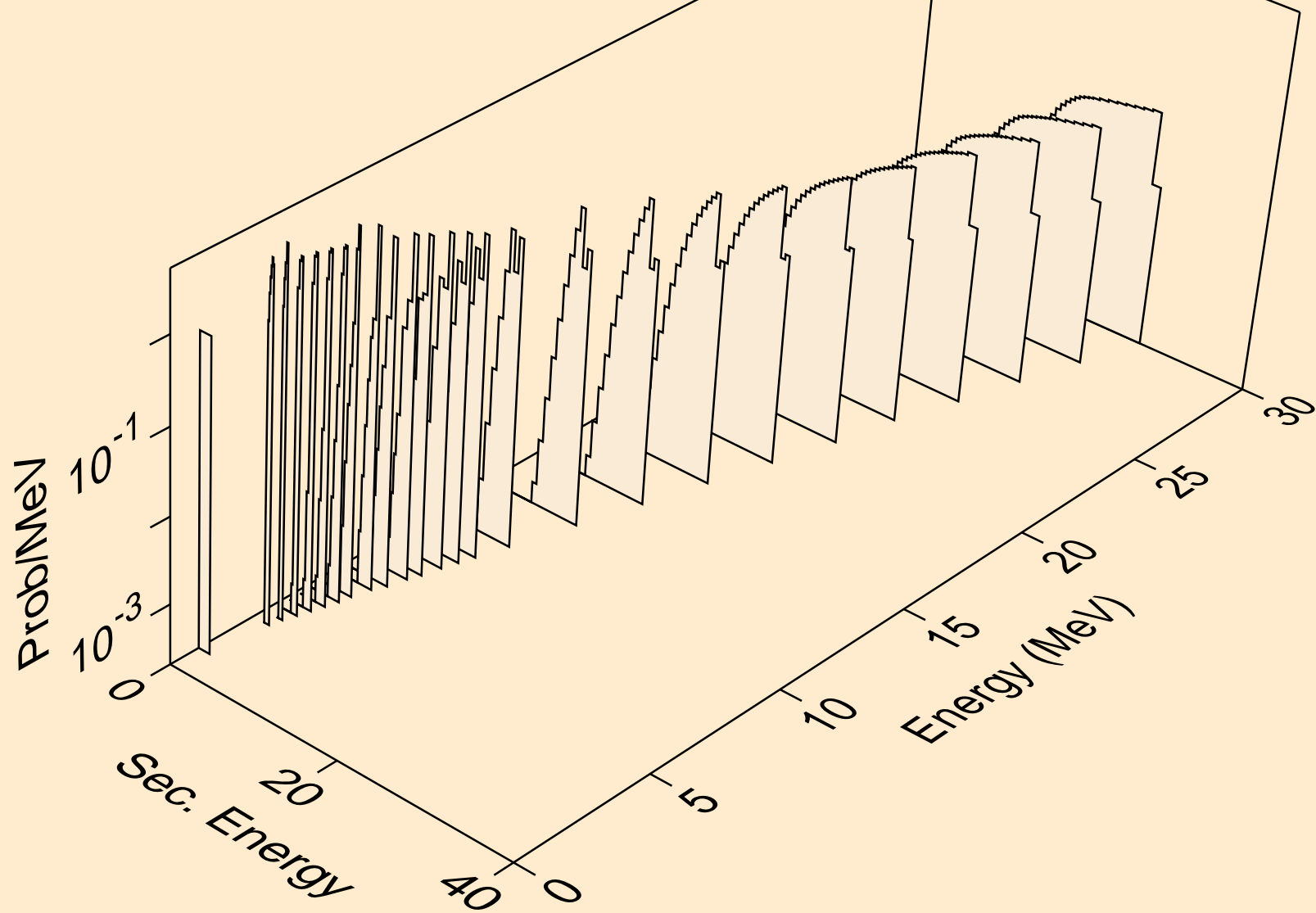




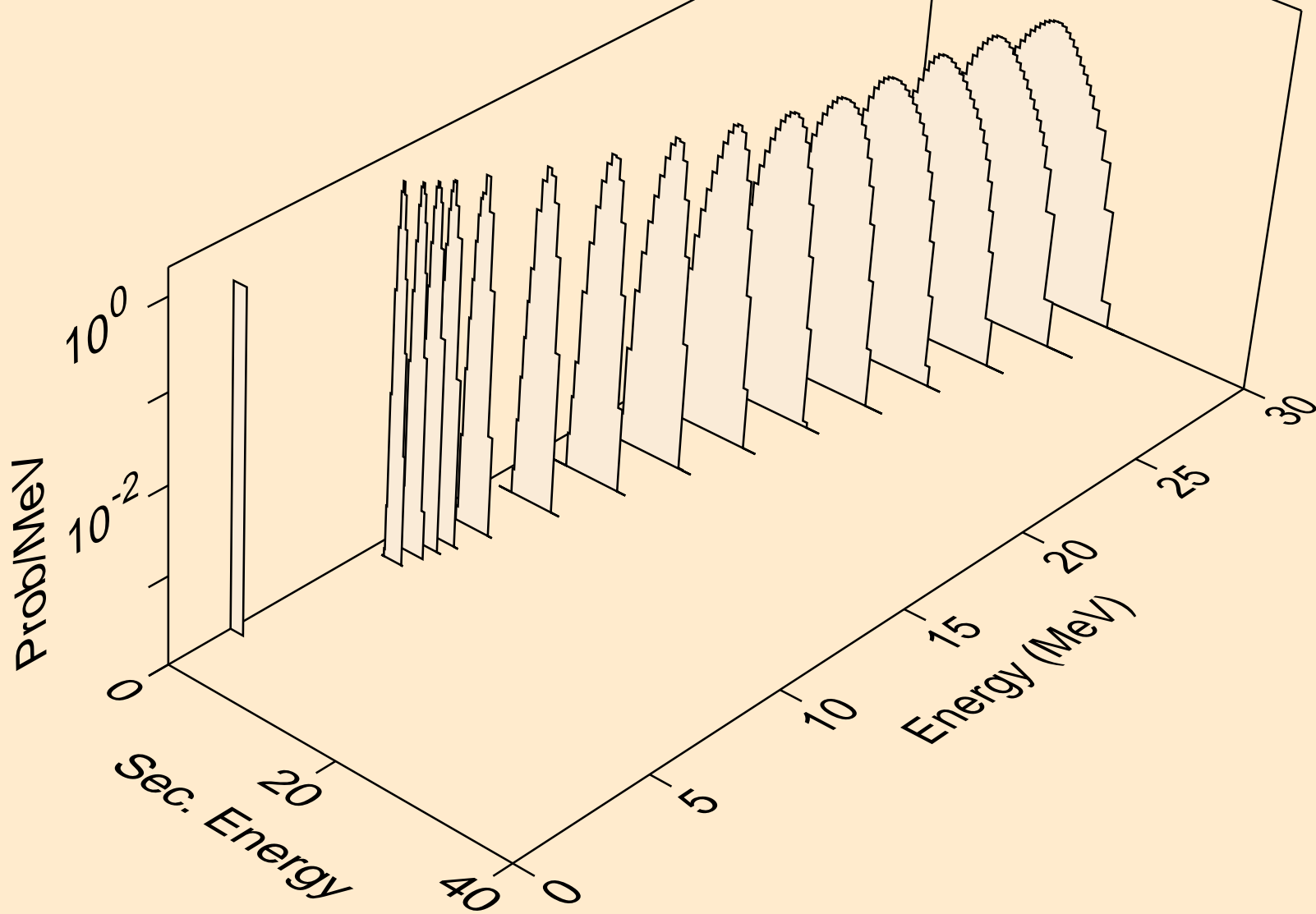
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,n\*)d



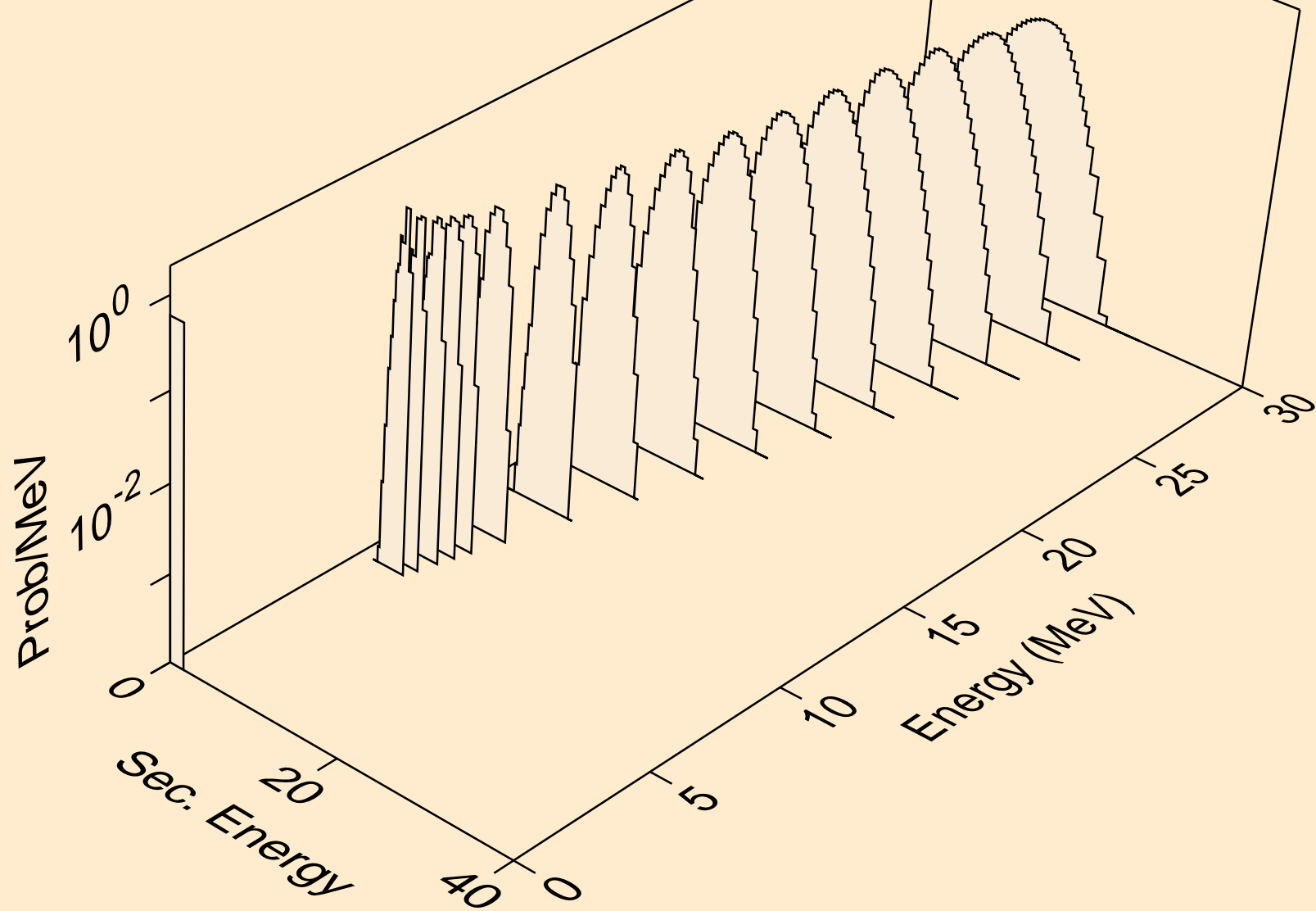
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,d)



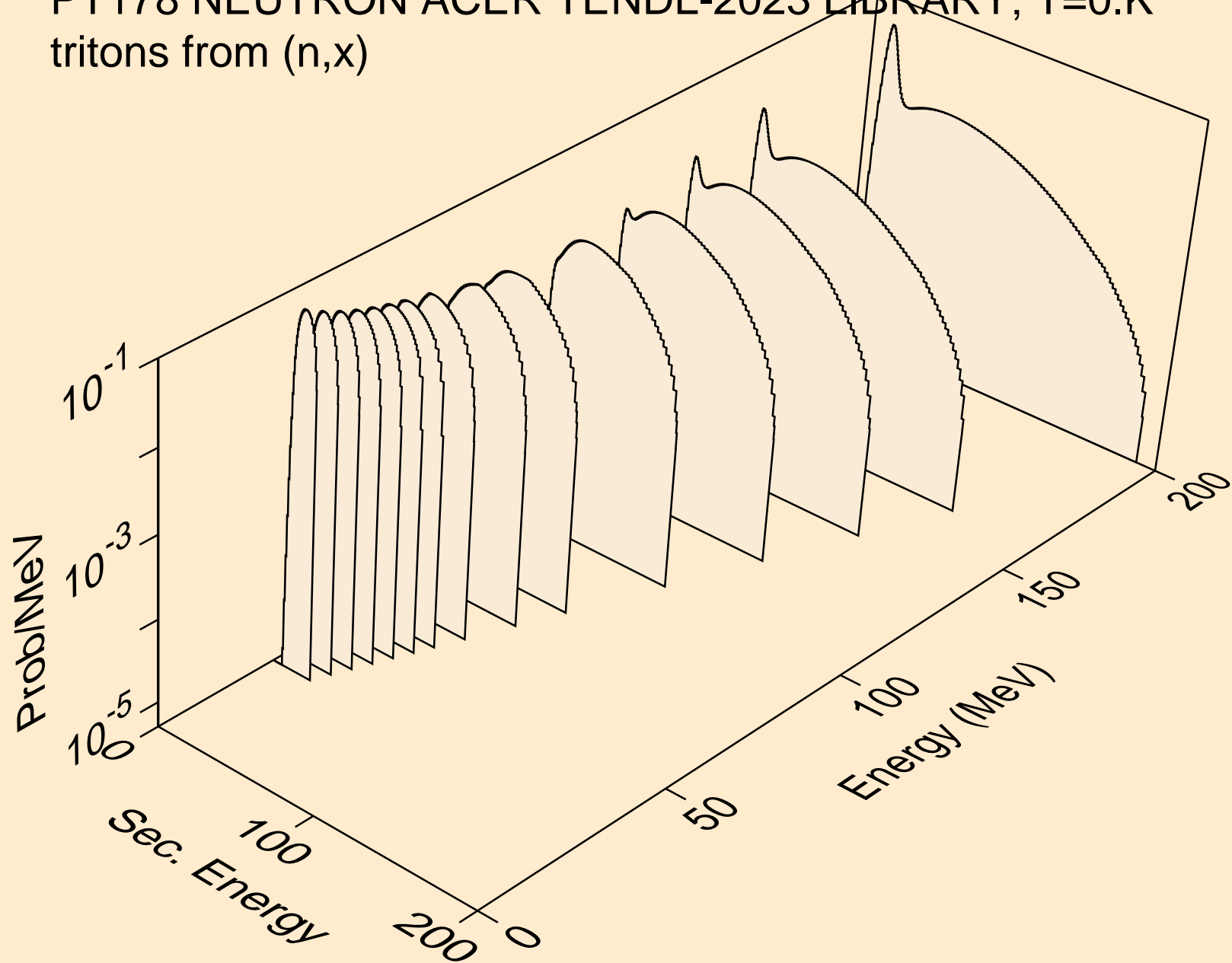
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,pd)



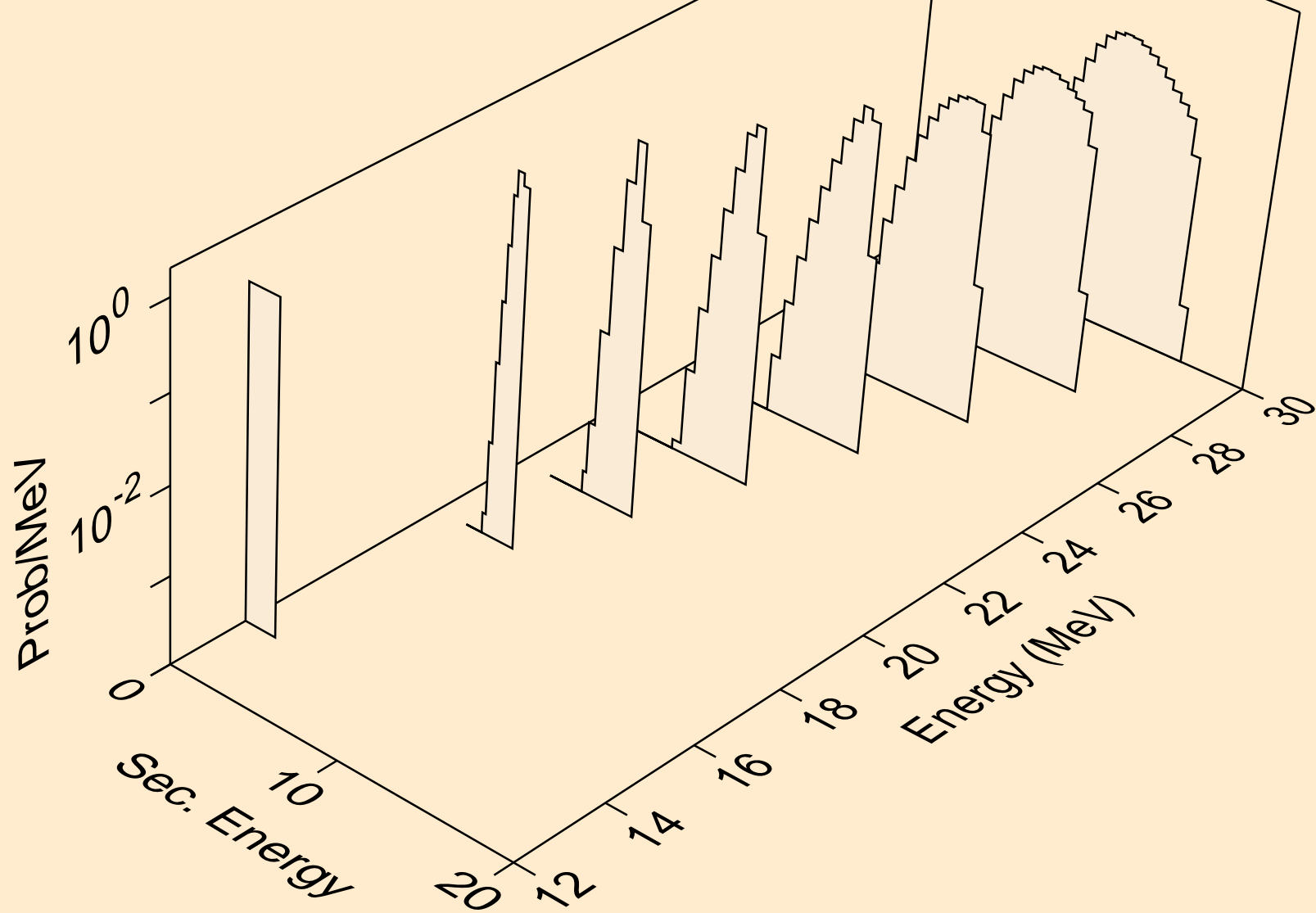
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,da)



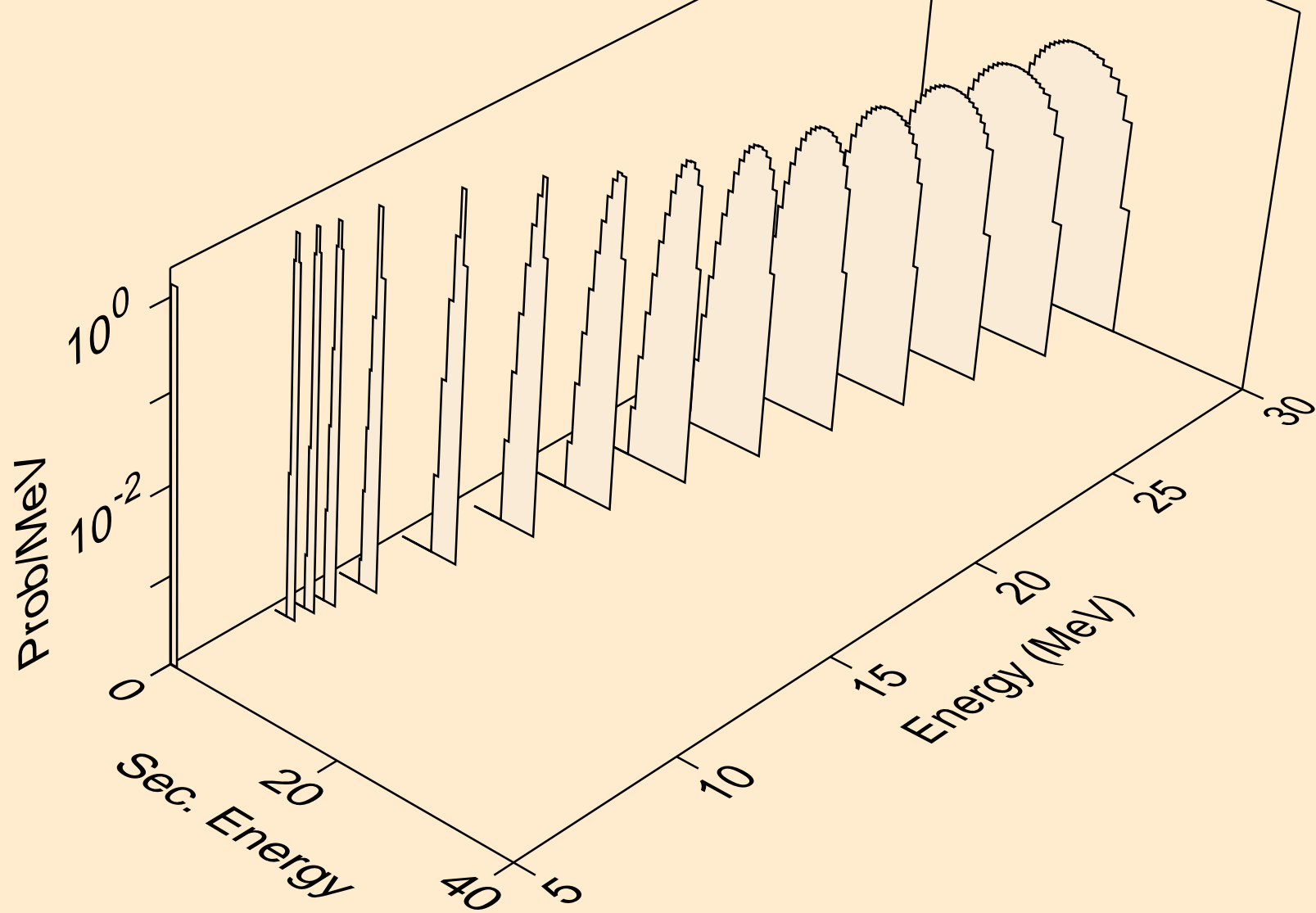
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,x)



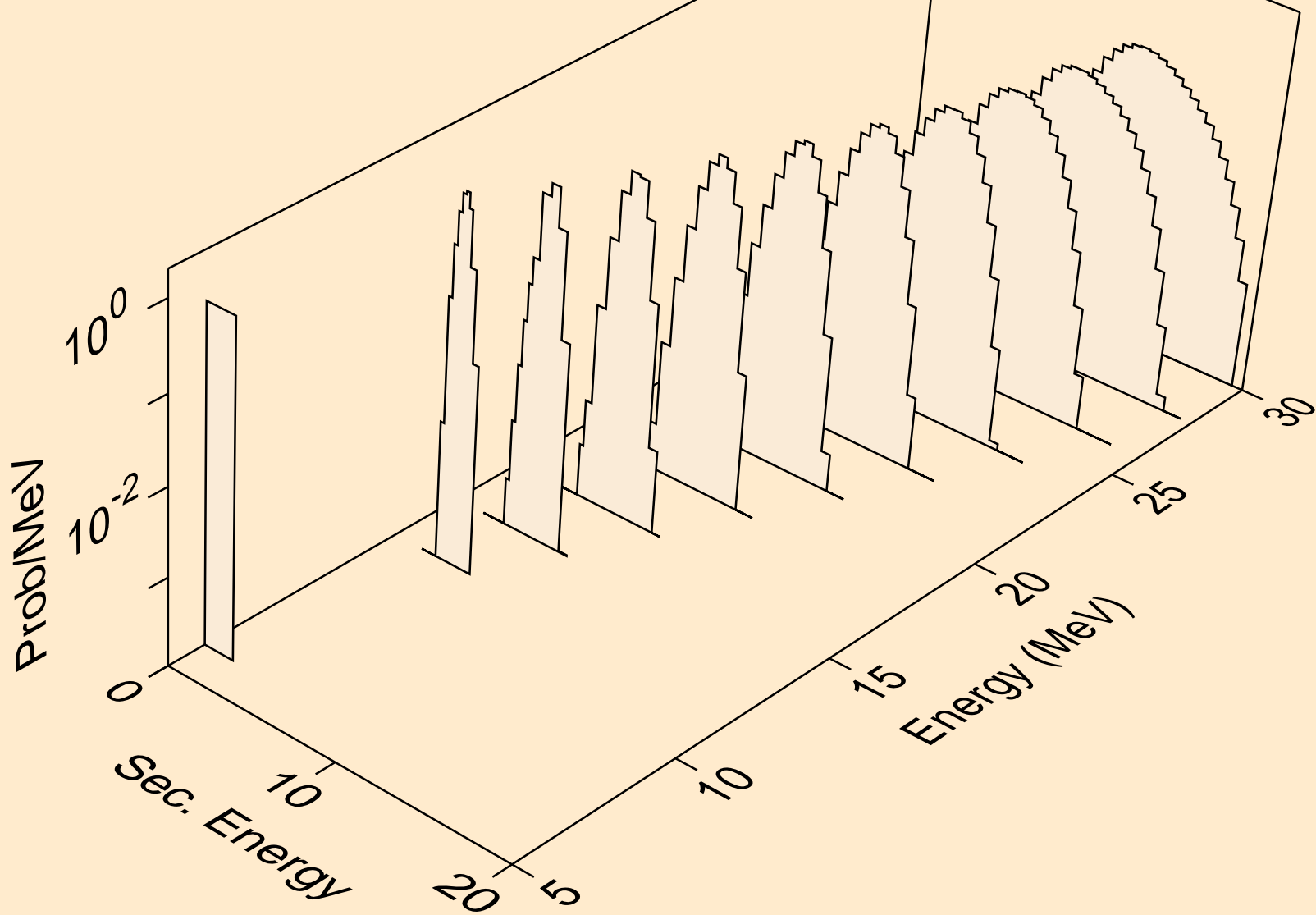
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,n\*)t



PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,t)

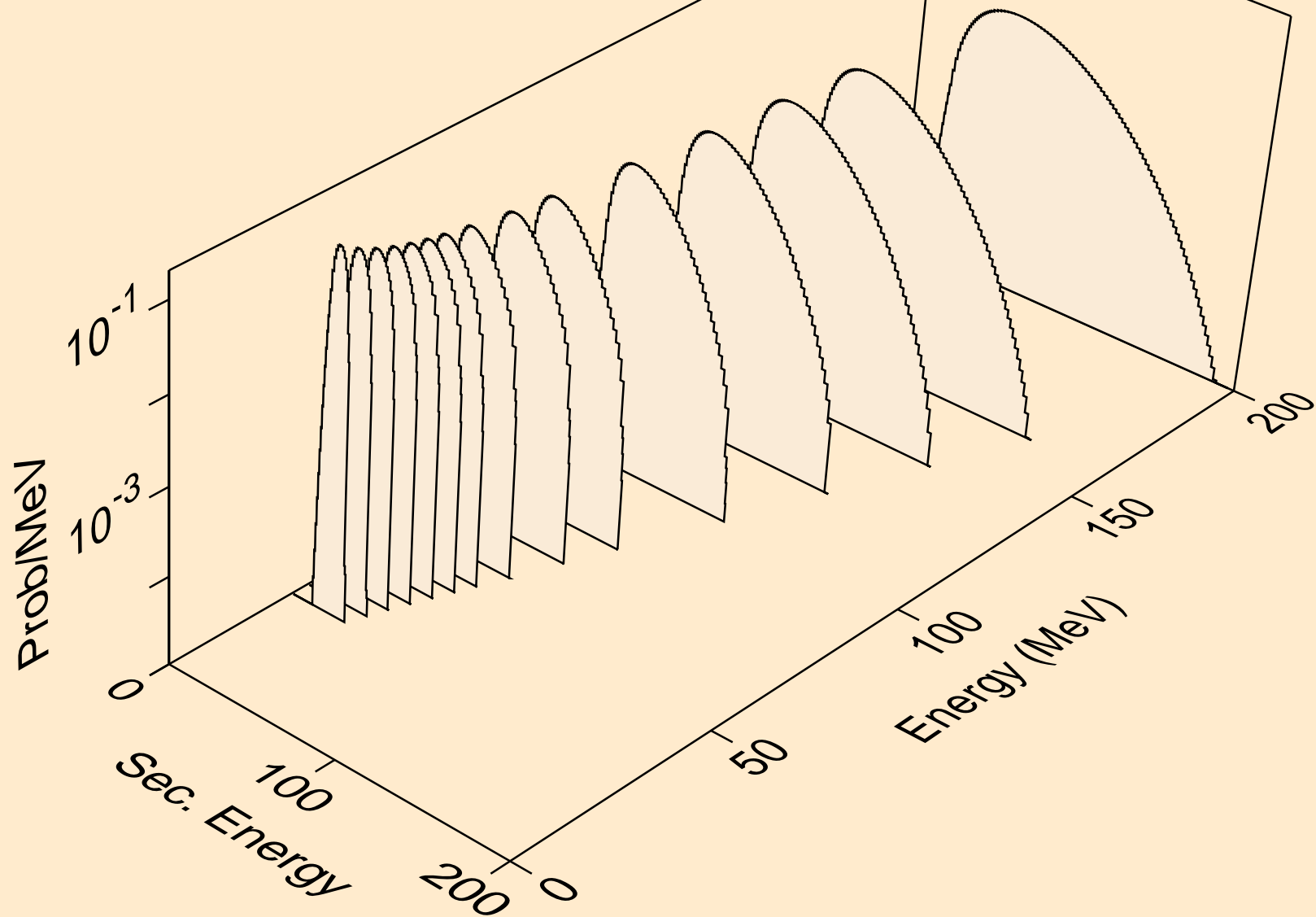


PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,pt)

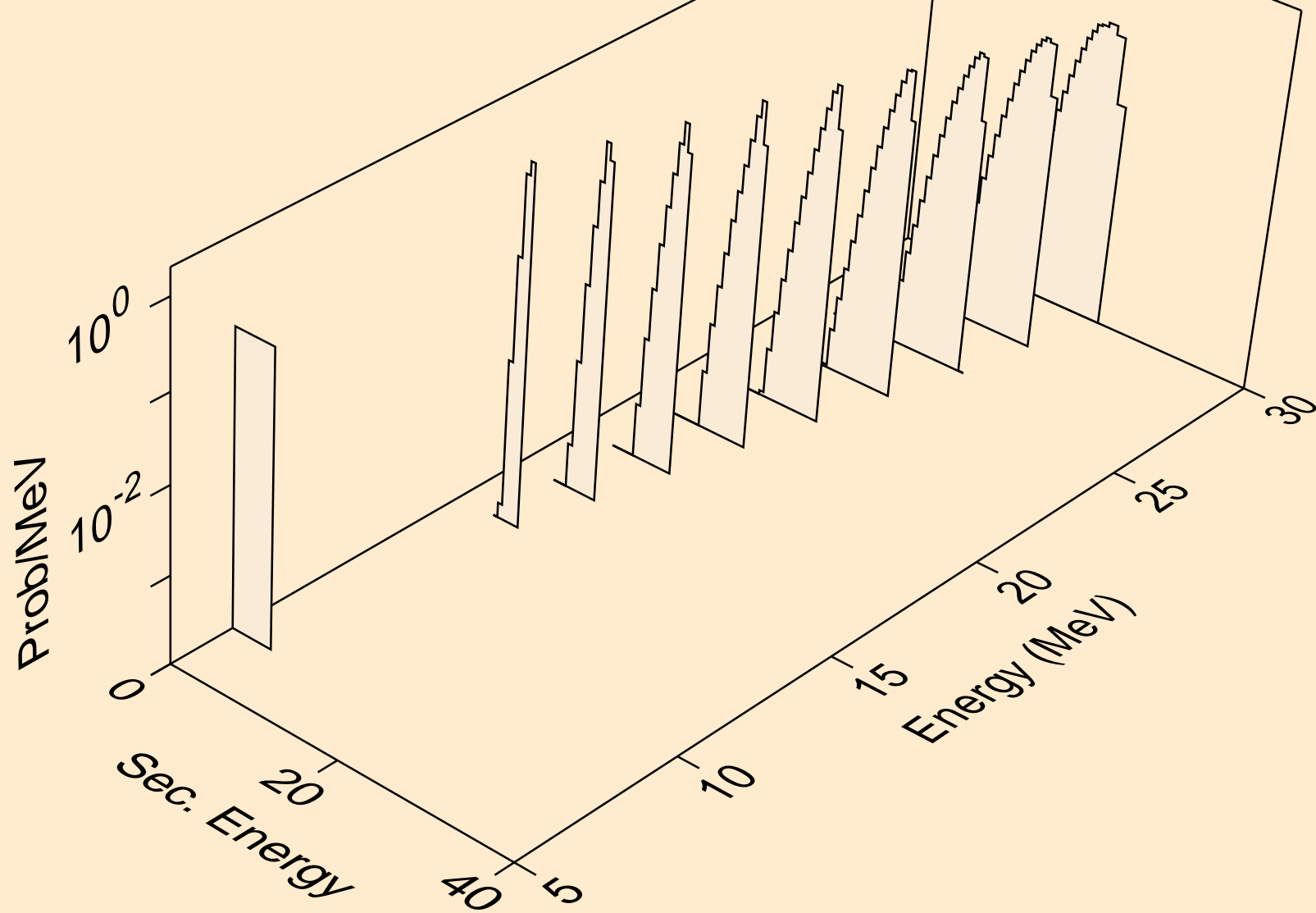




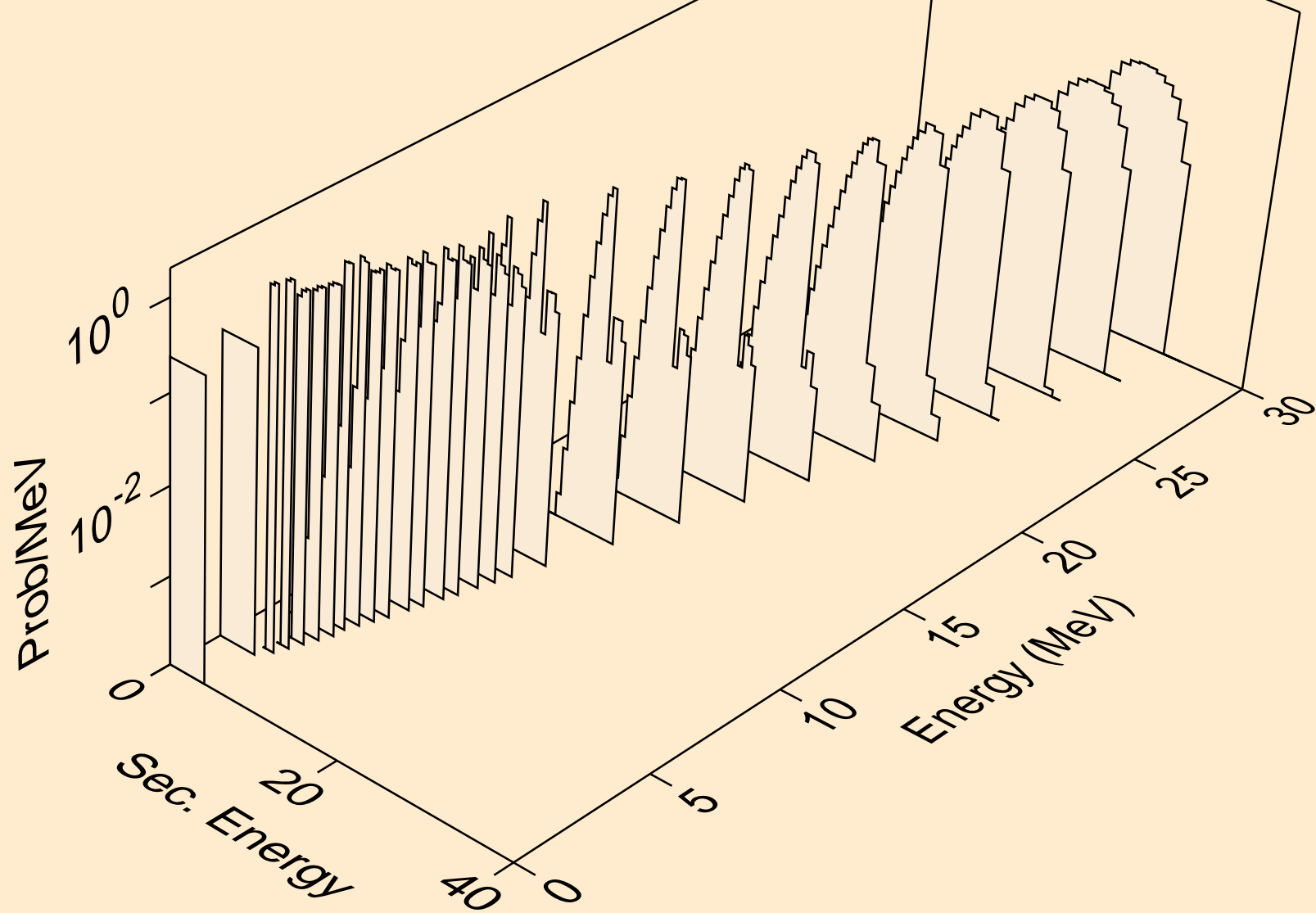
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,x)



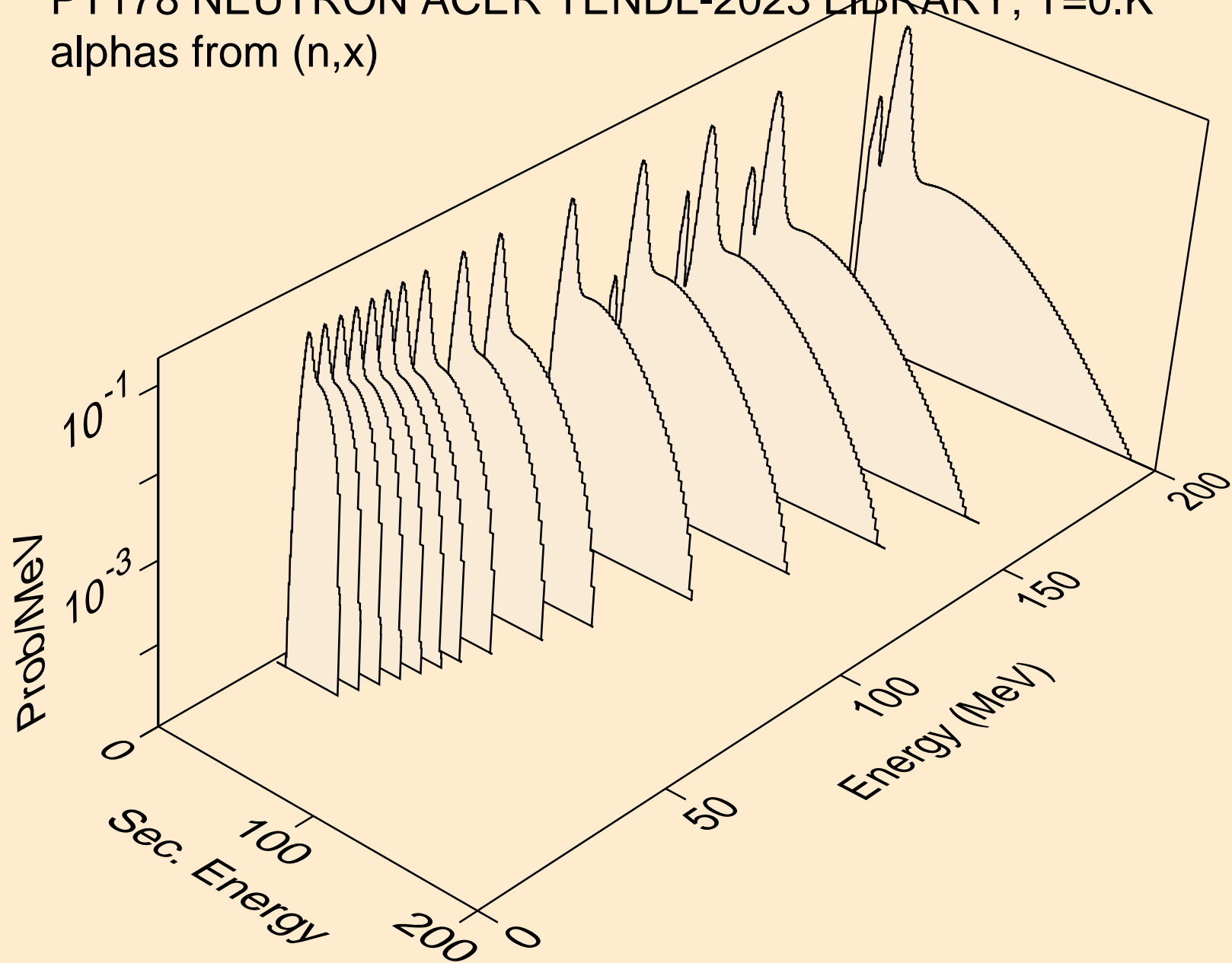
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,n\*)he3



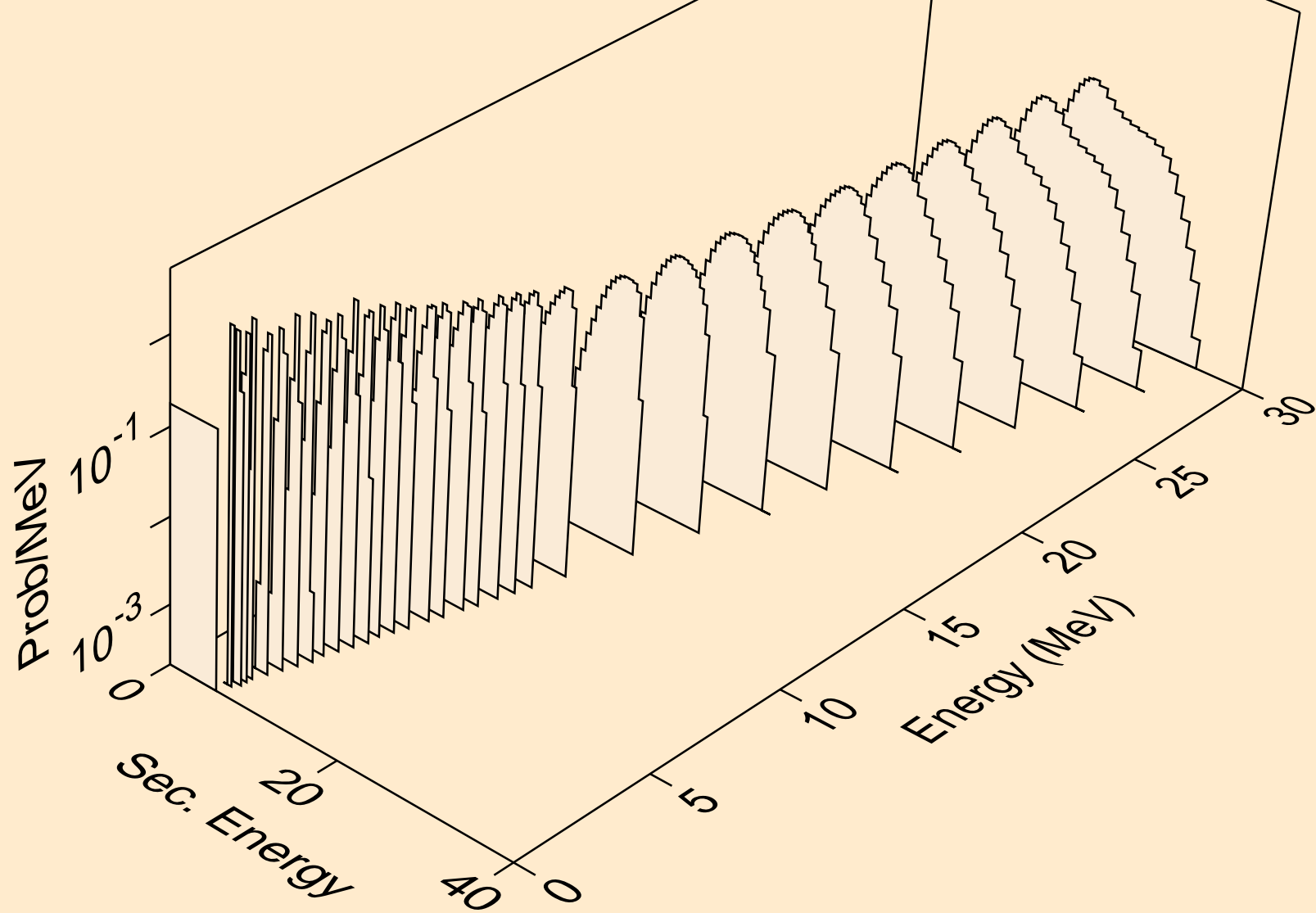
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,he3)



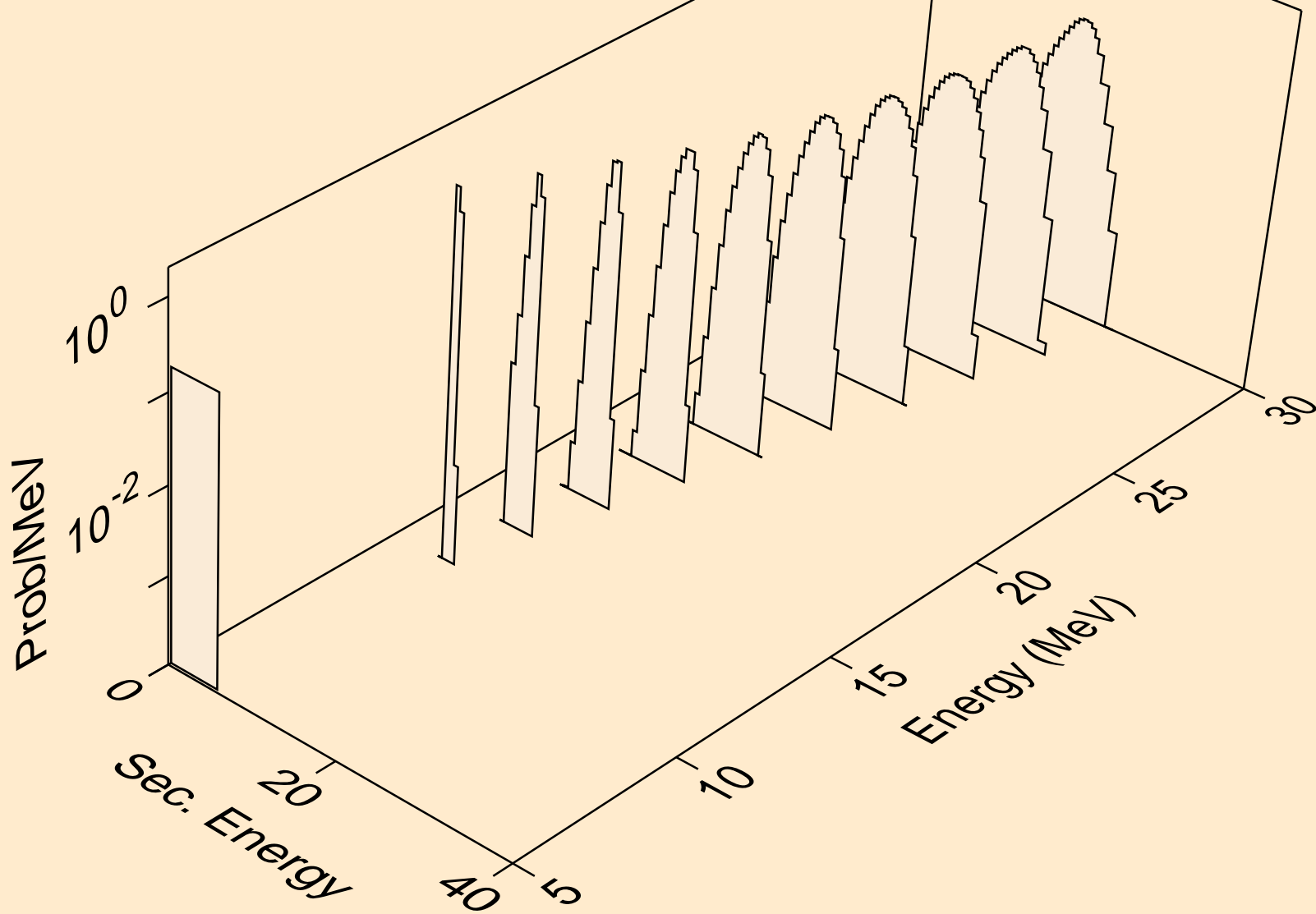
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,x)



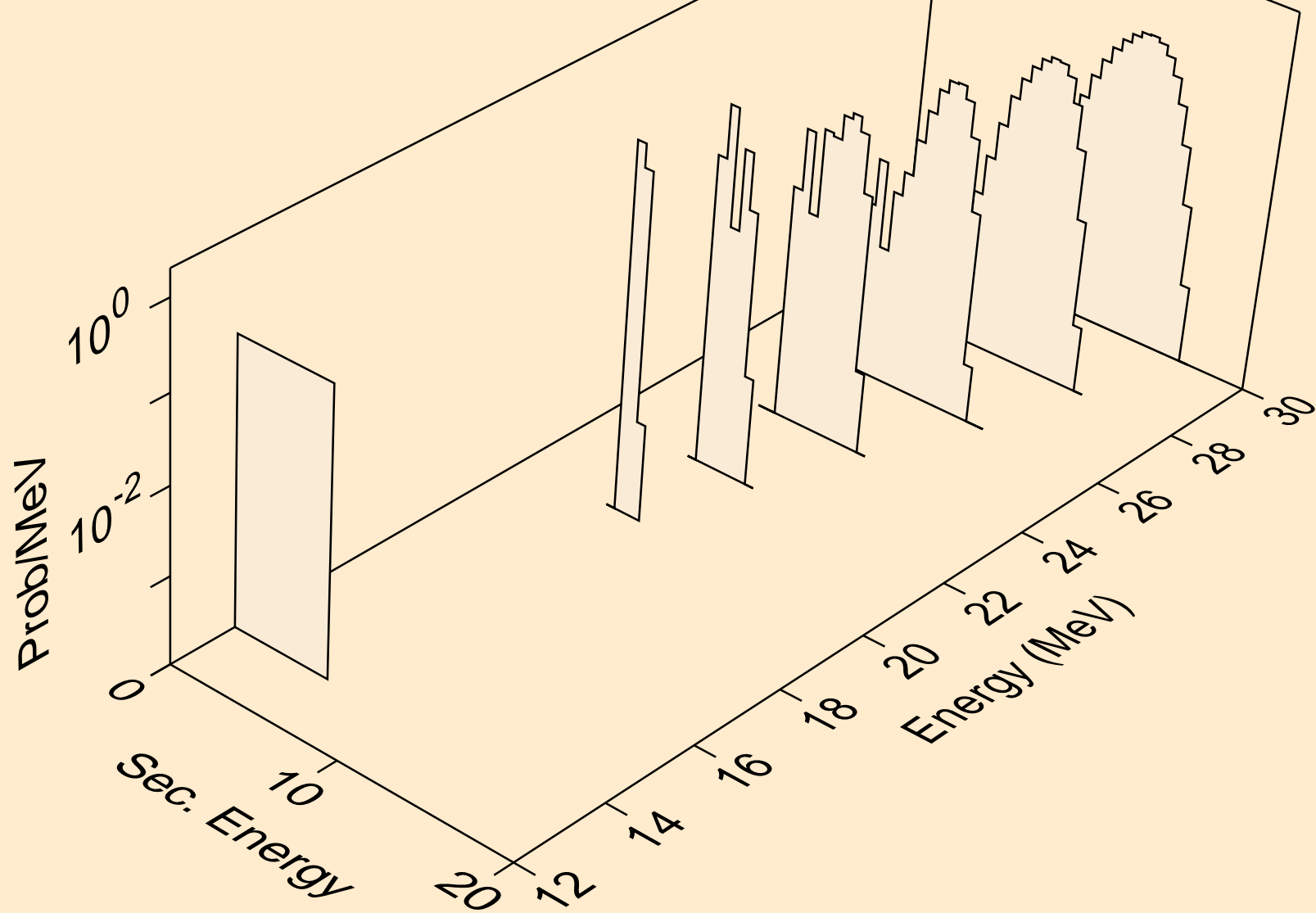
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)a



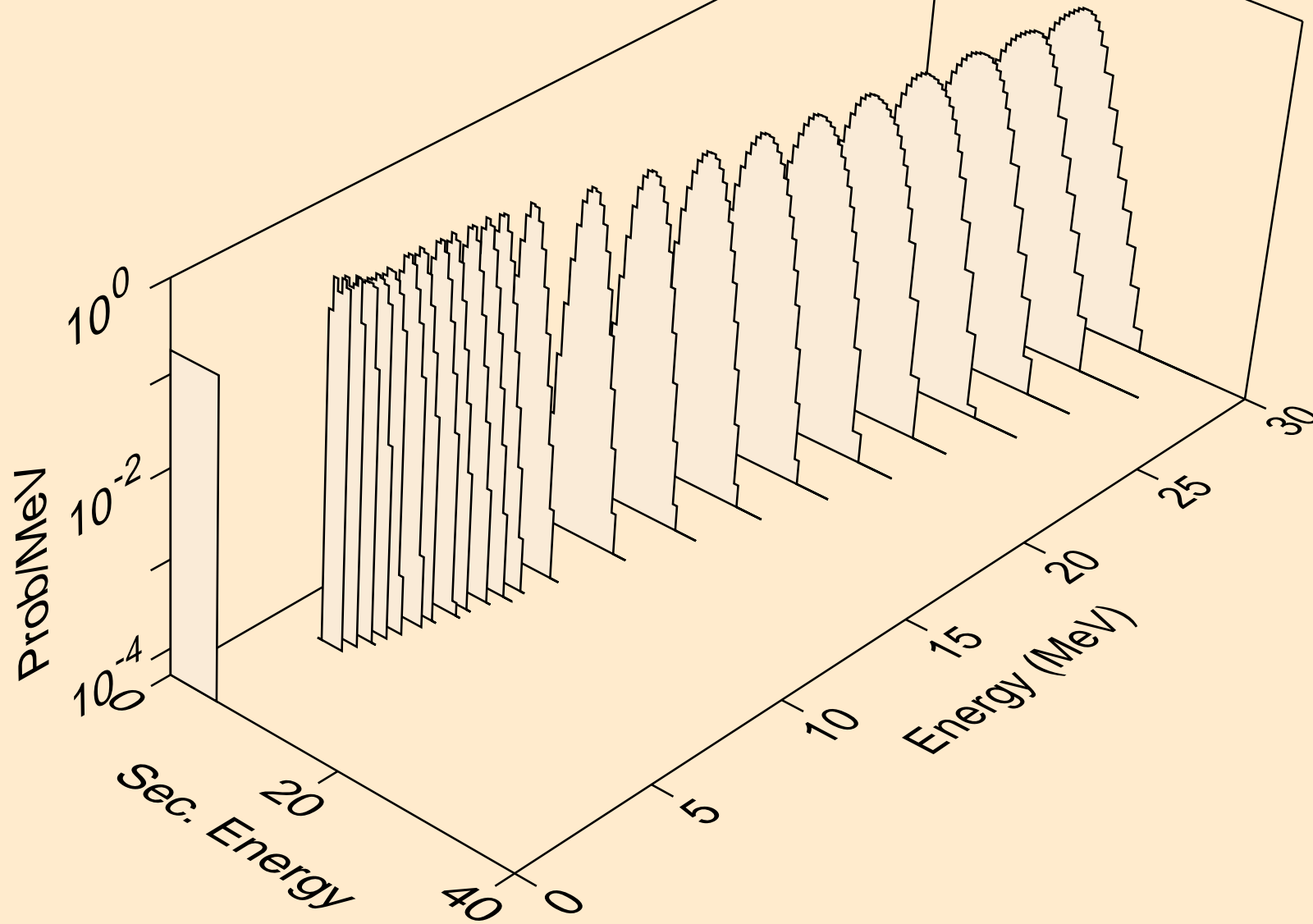
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2n)a



PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,3n)a

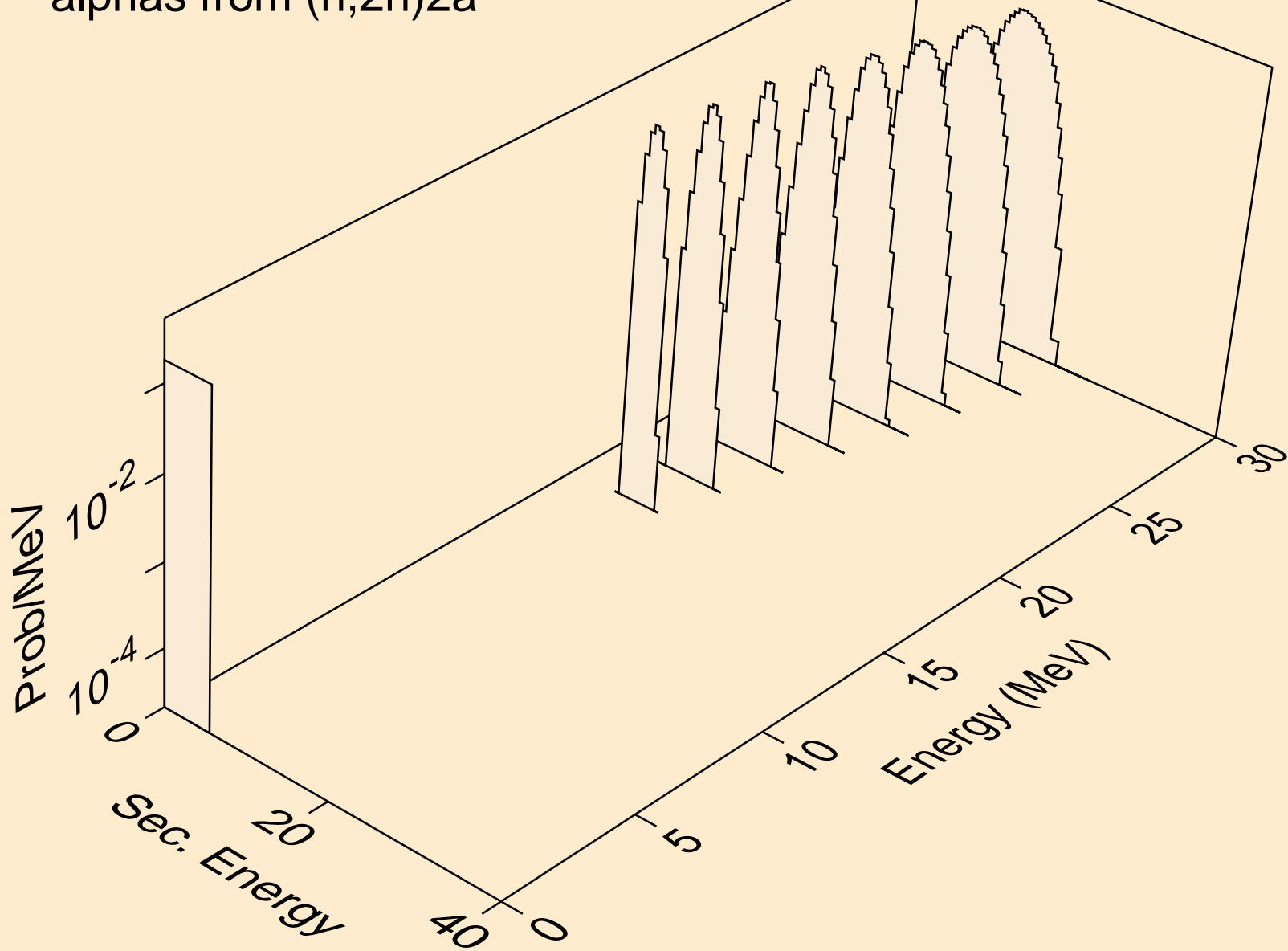


PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)2a

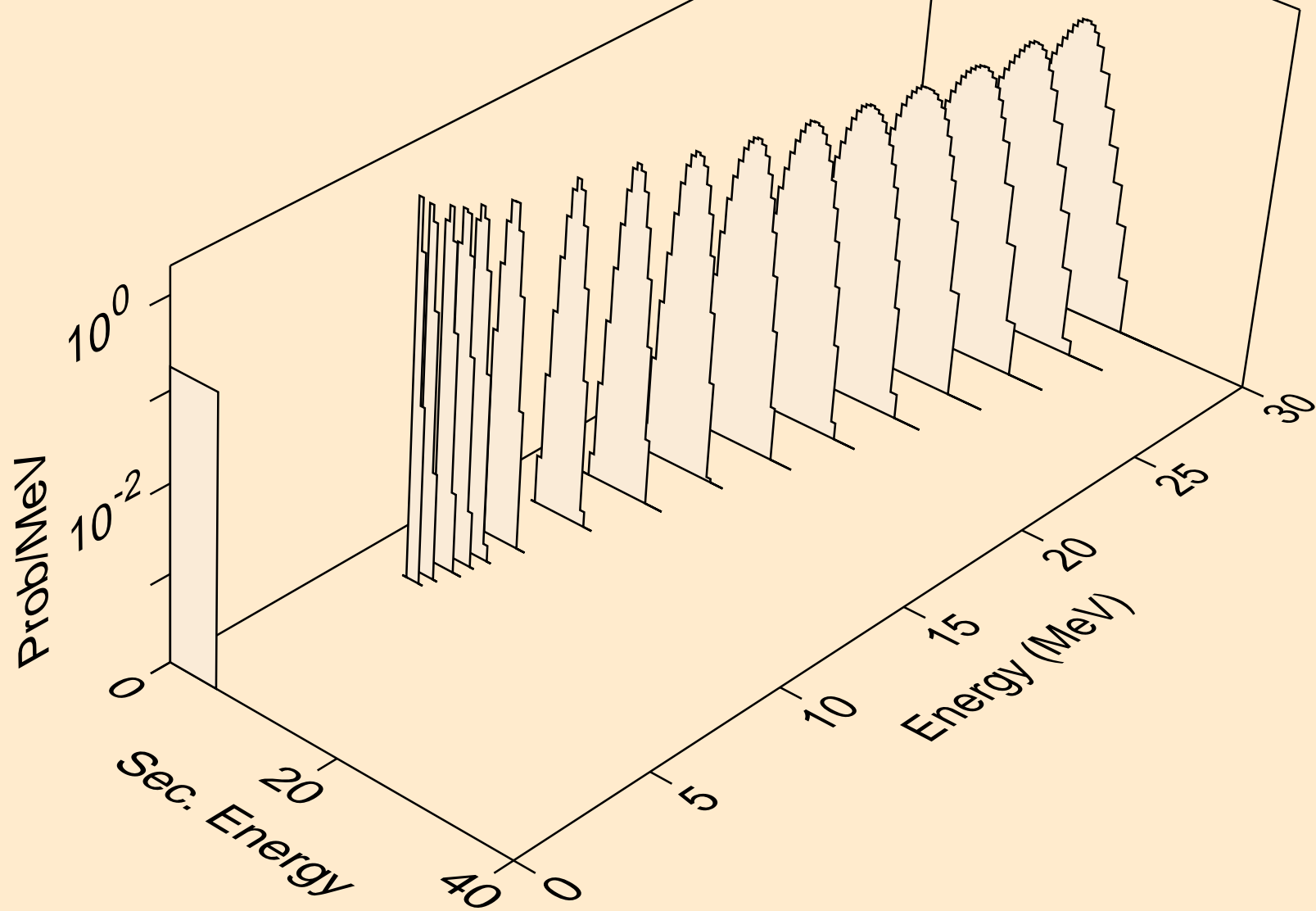




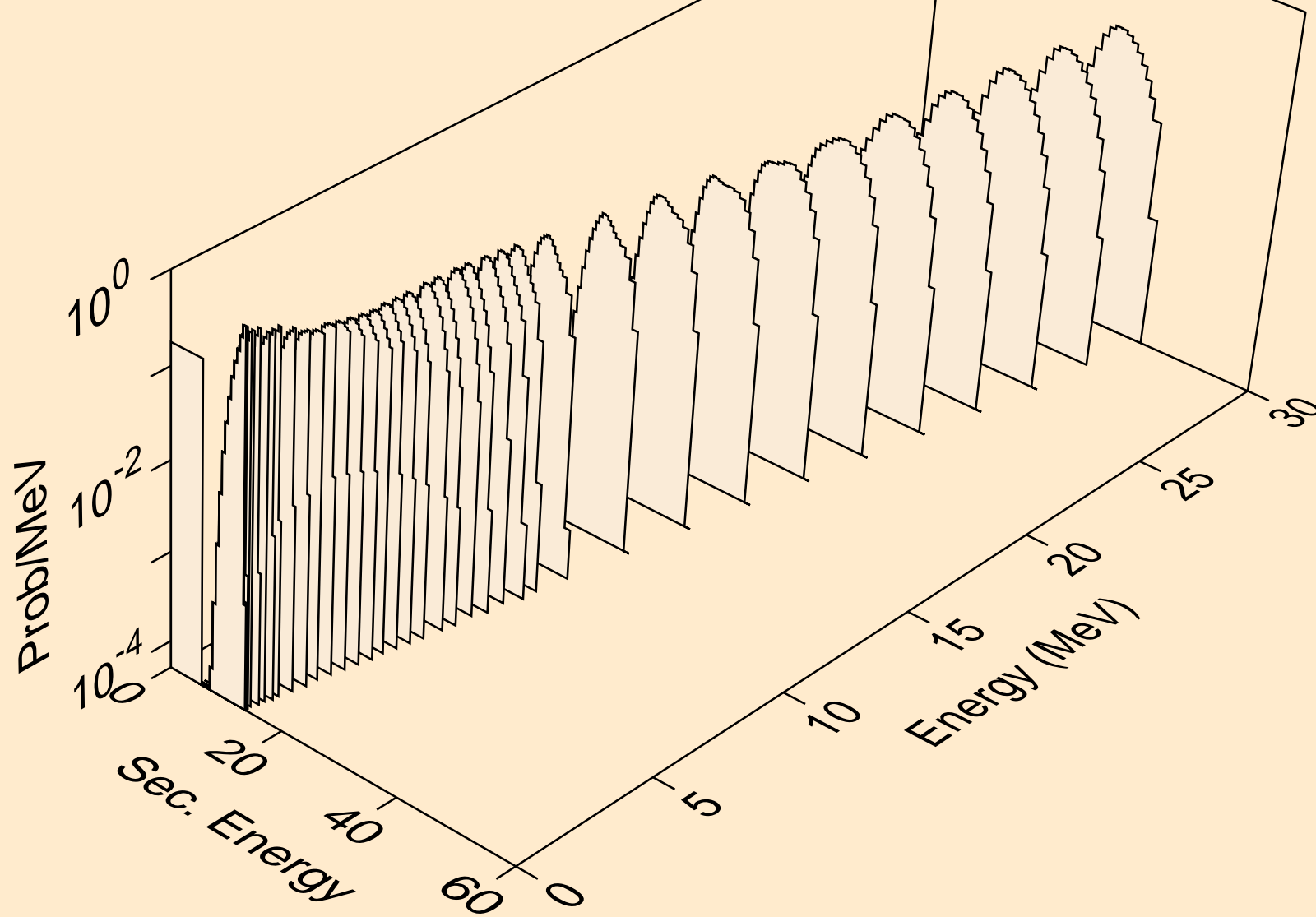
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2n)2a



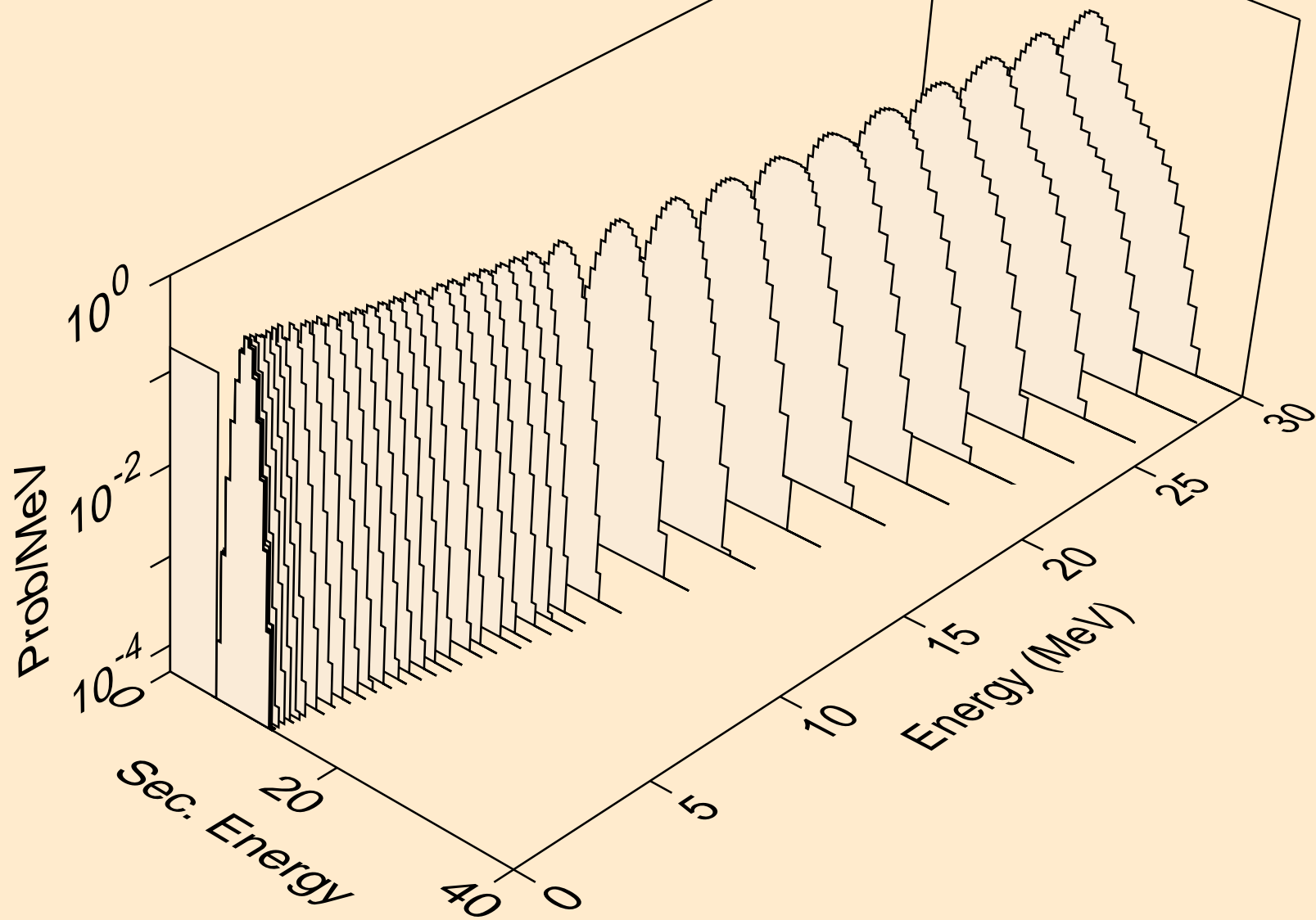
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,npa)



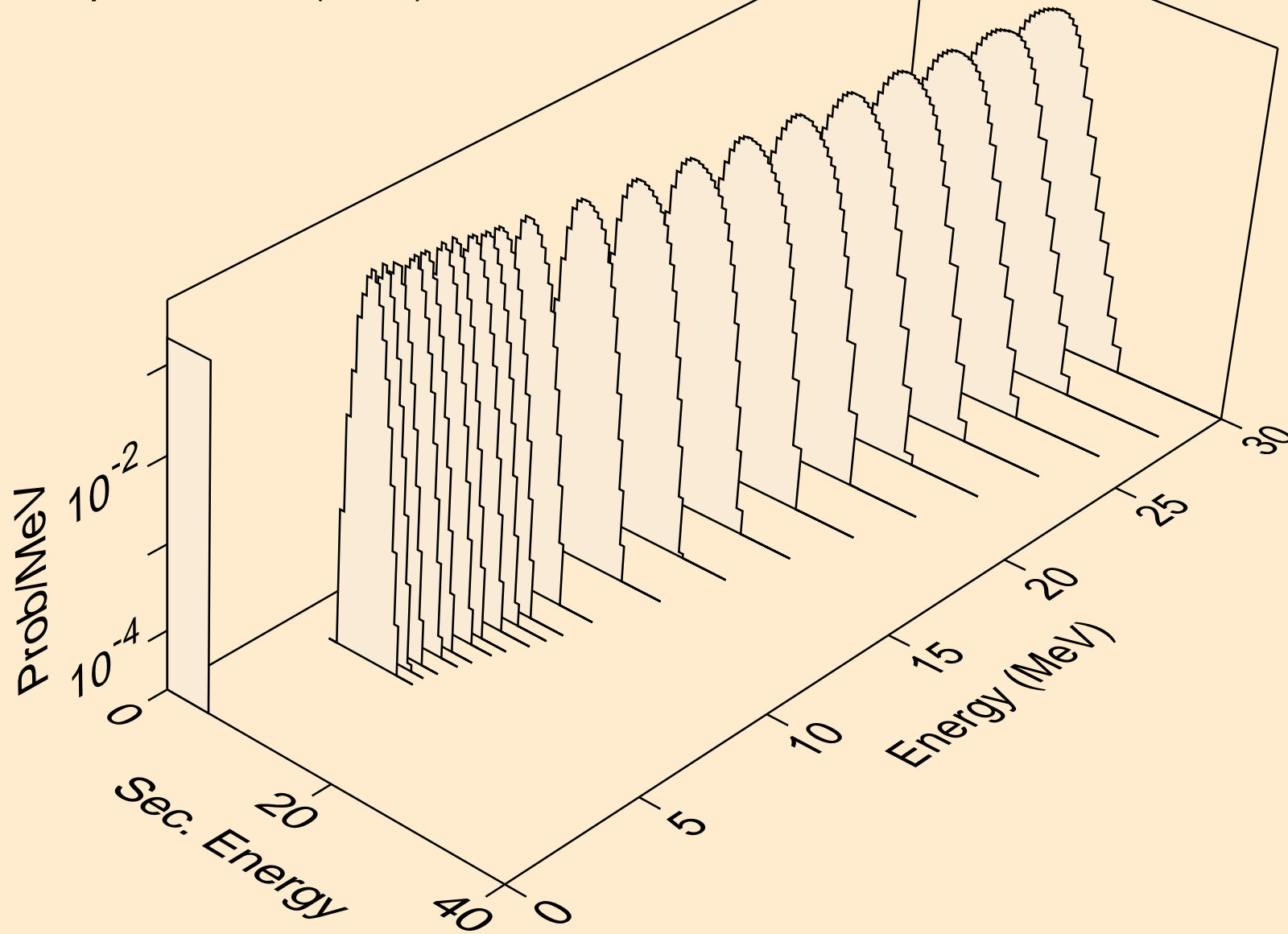
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,a)



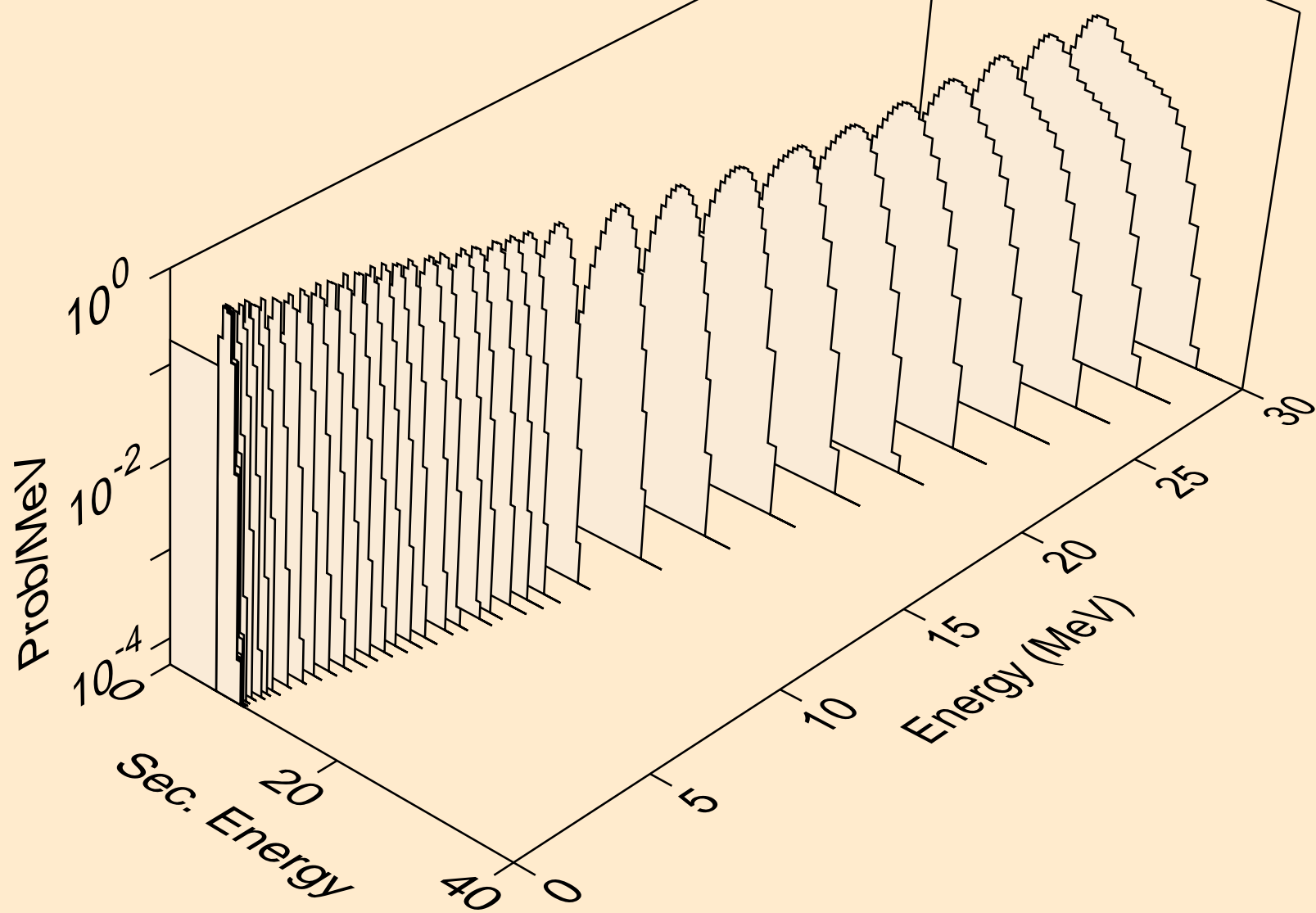
PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2a)



PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,3a)



PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,pa)



PT178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,da)

