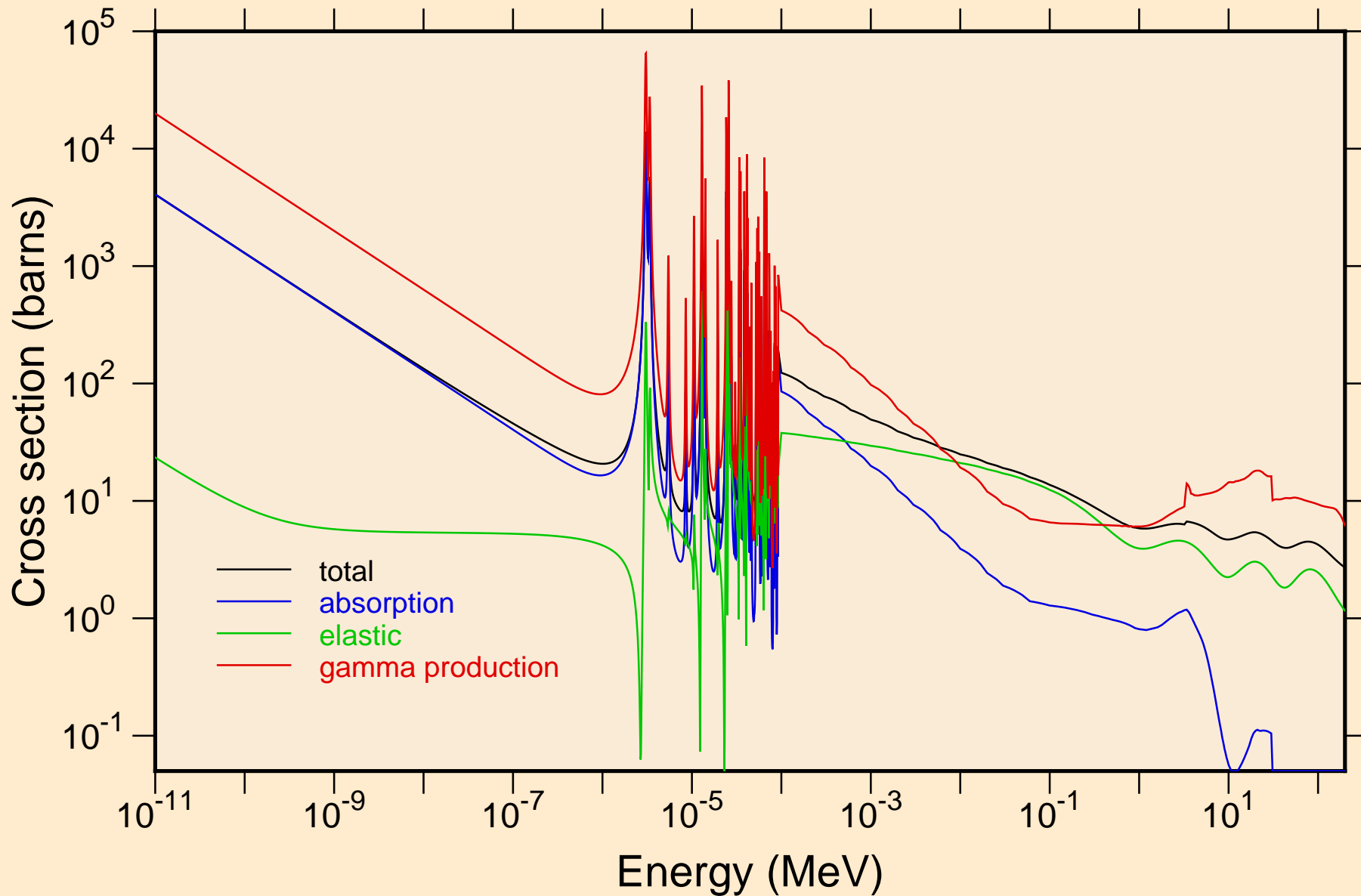
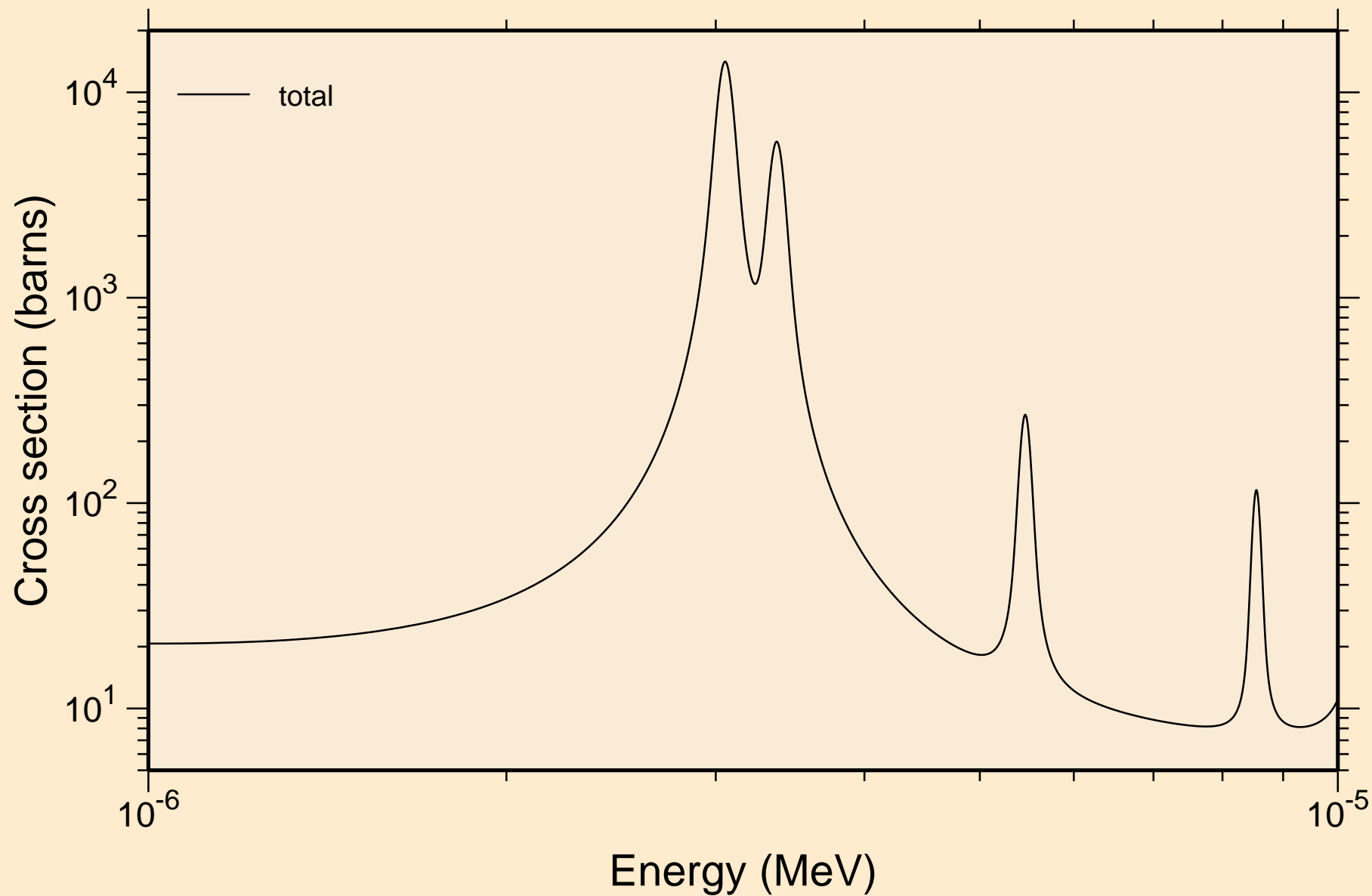


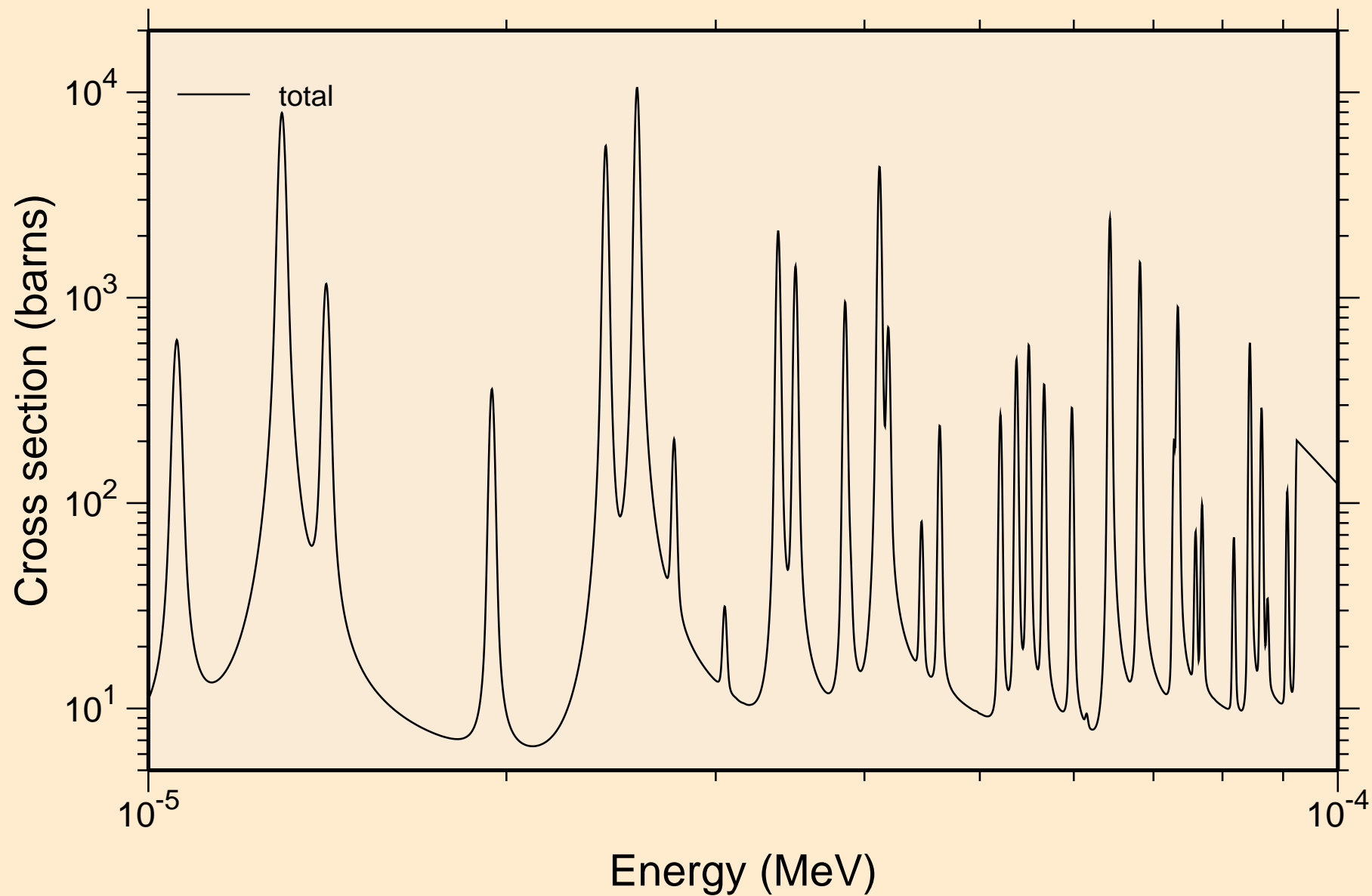
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Principal cross sections



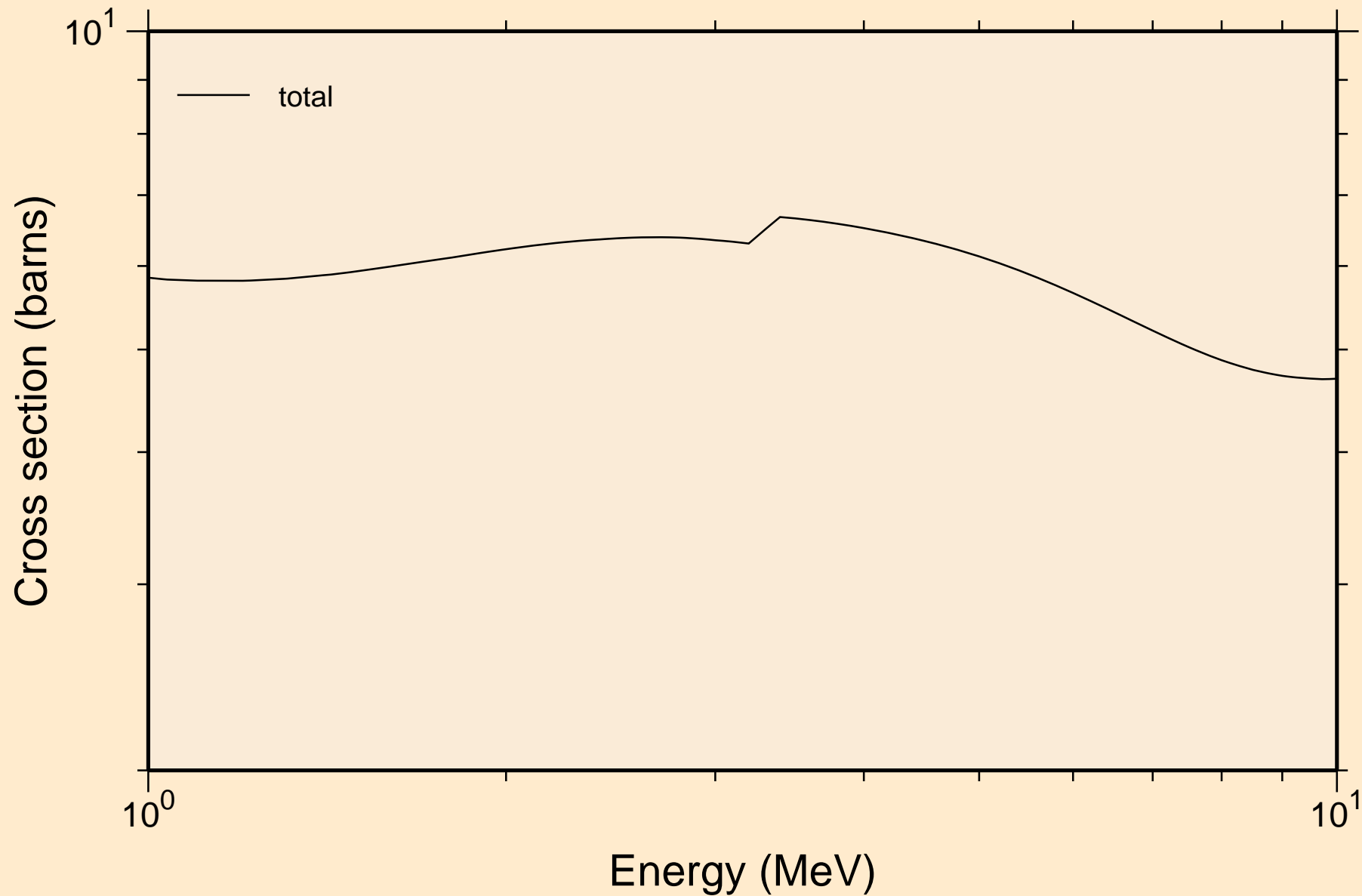
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



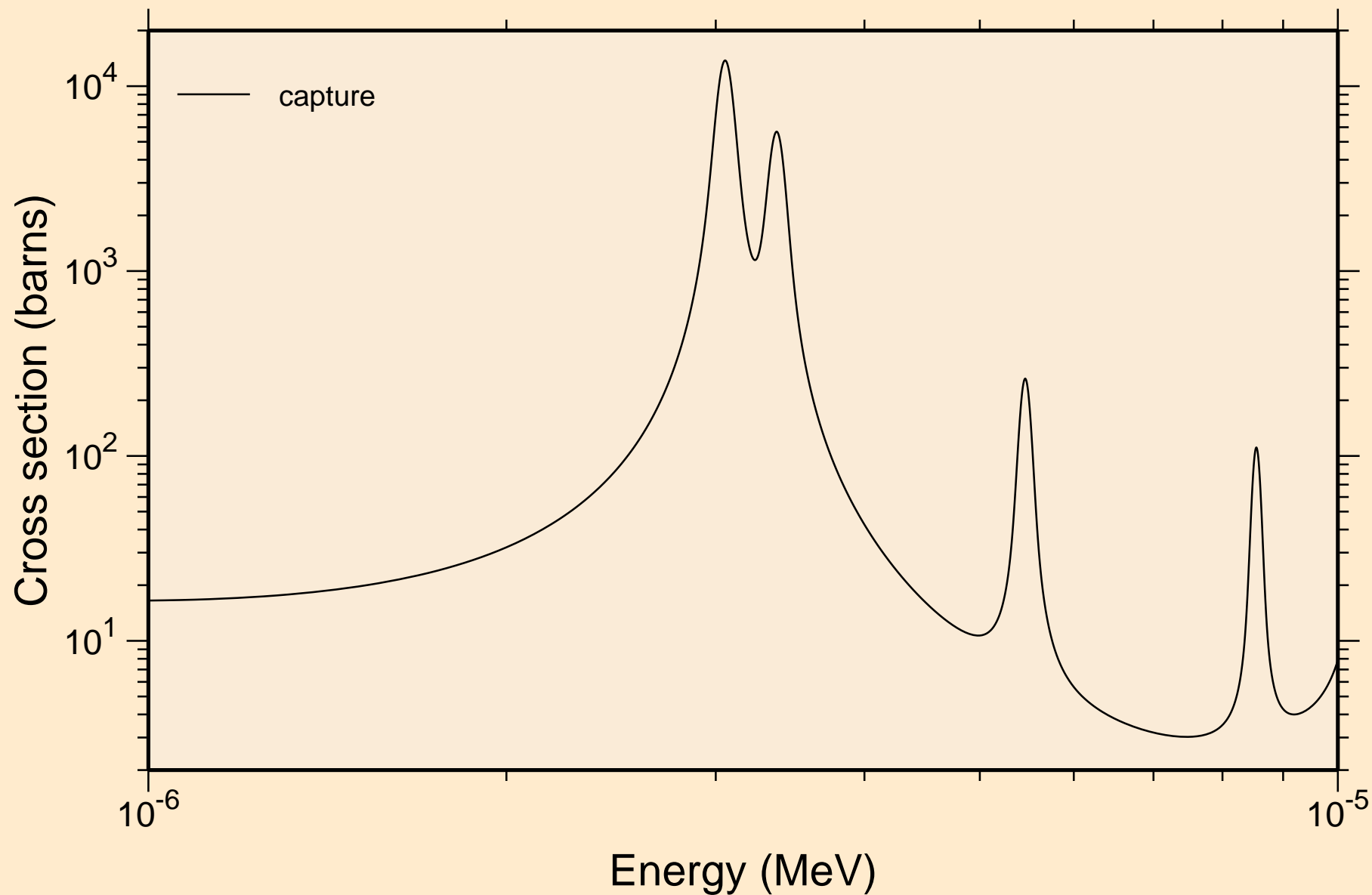
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



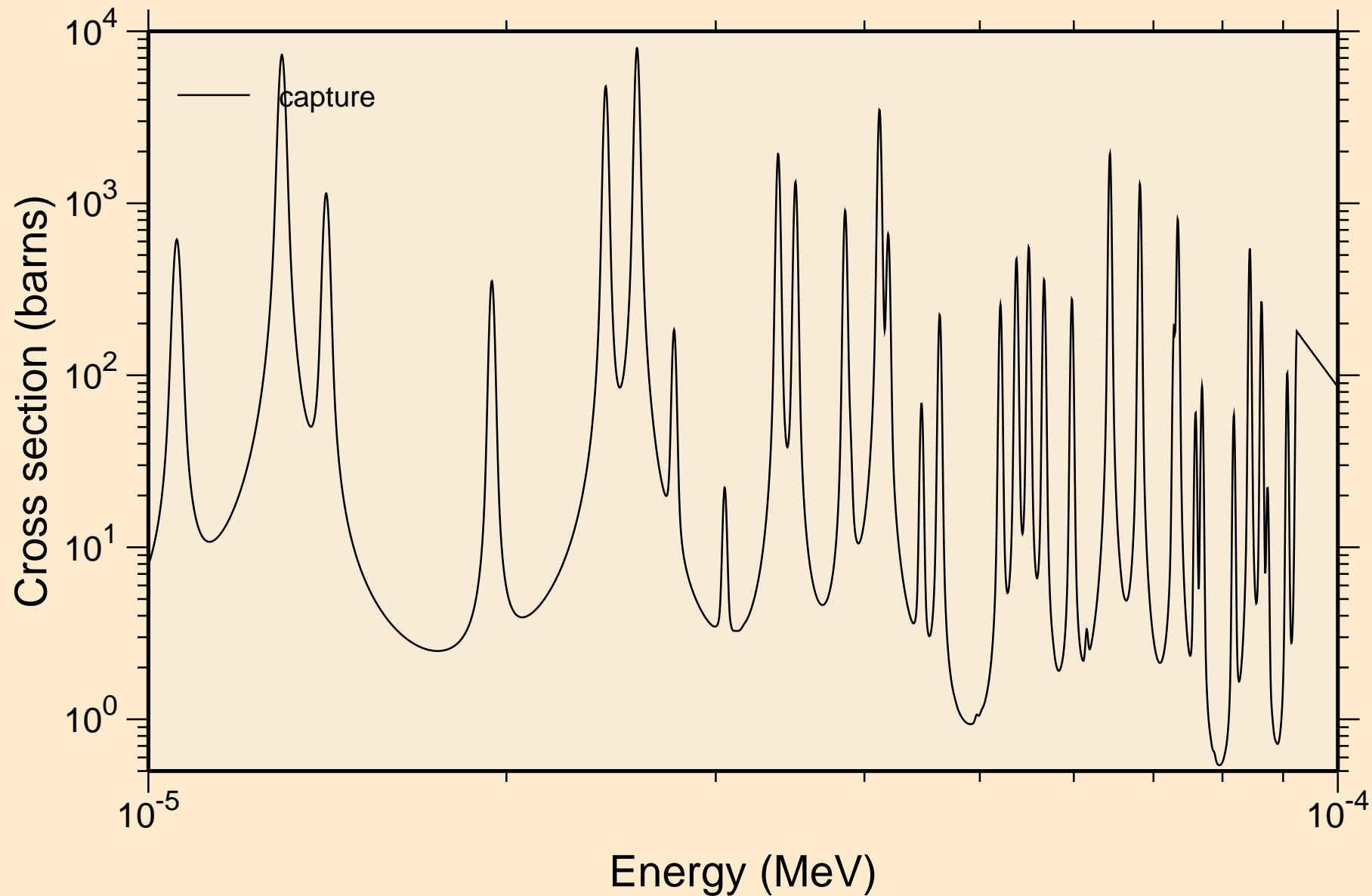
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



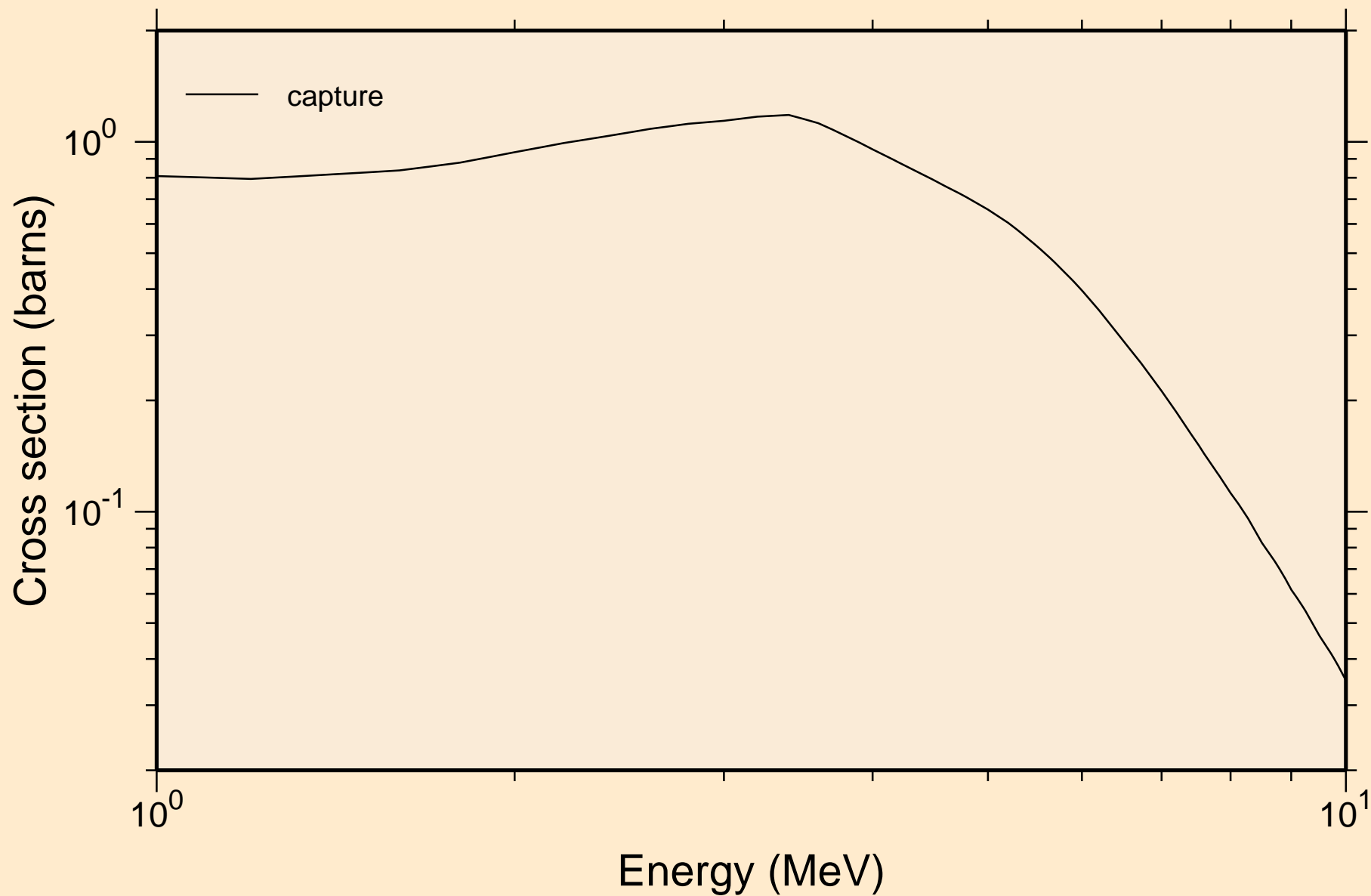
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



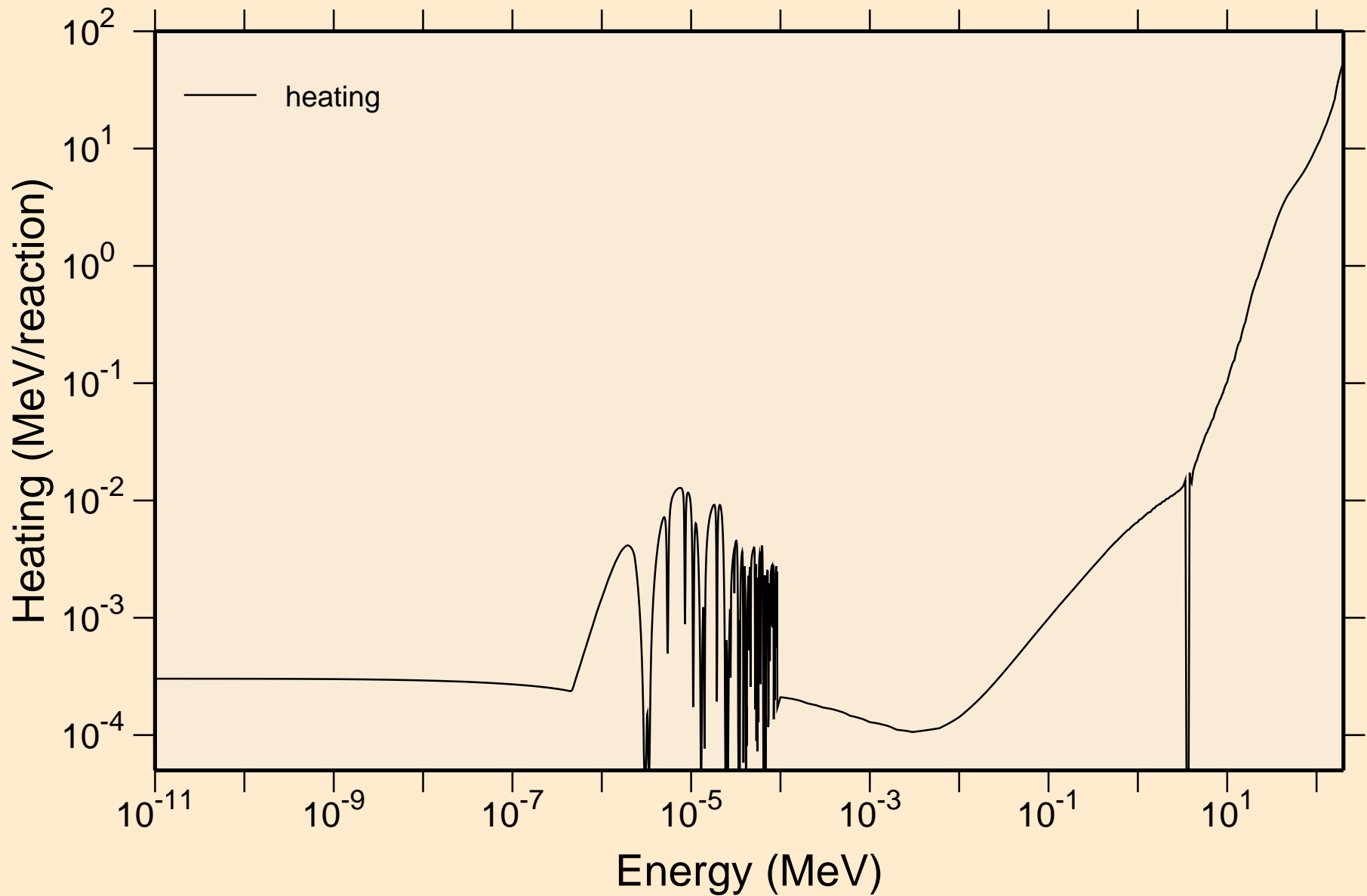
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections

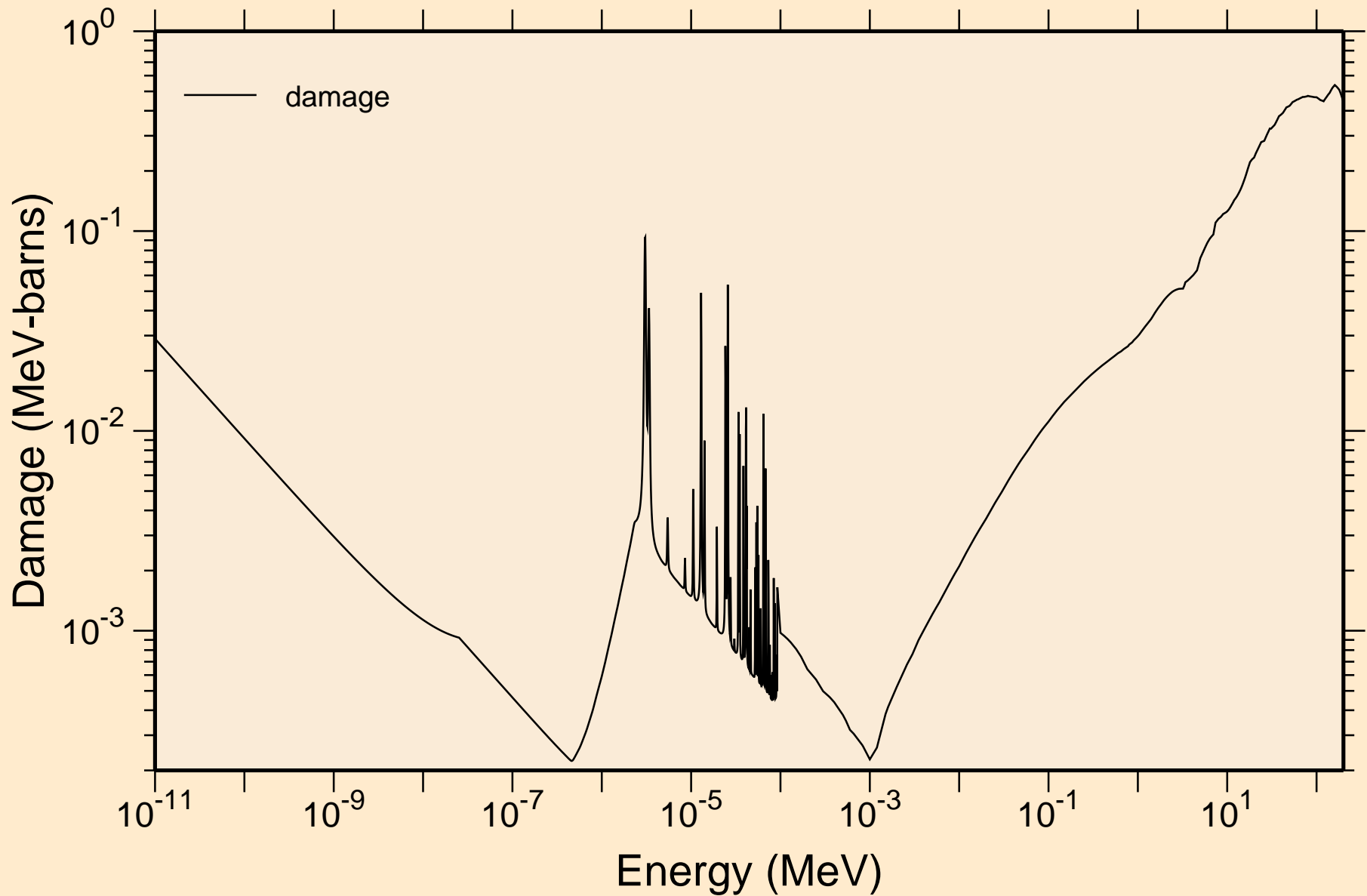


OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating

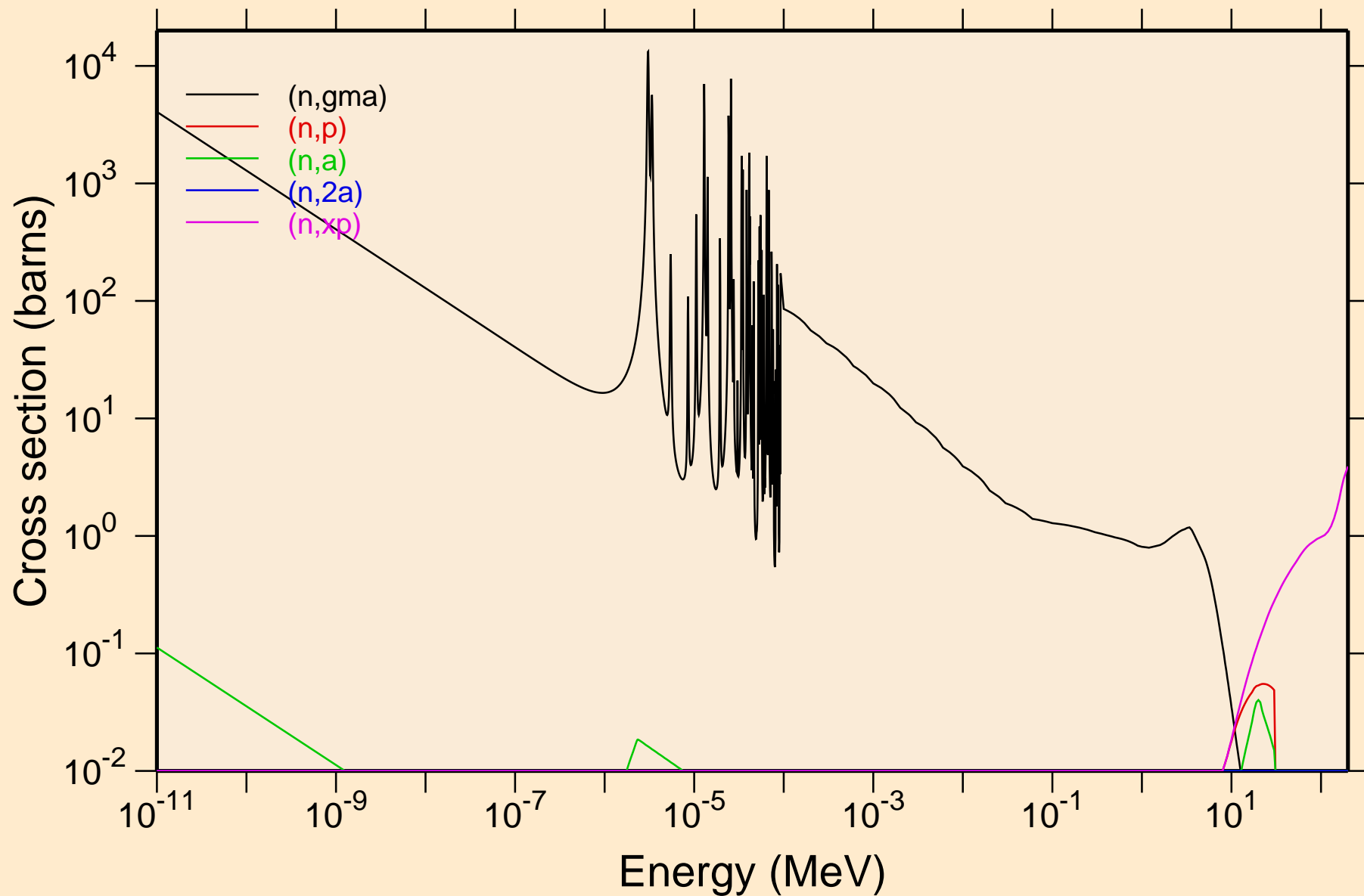




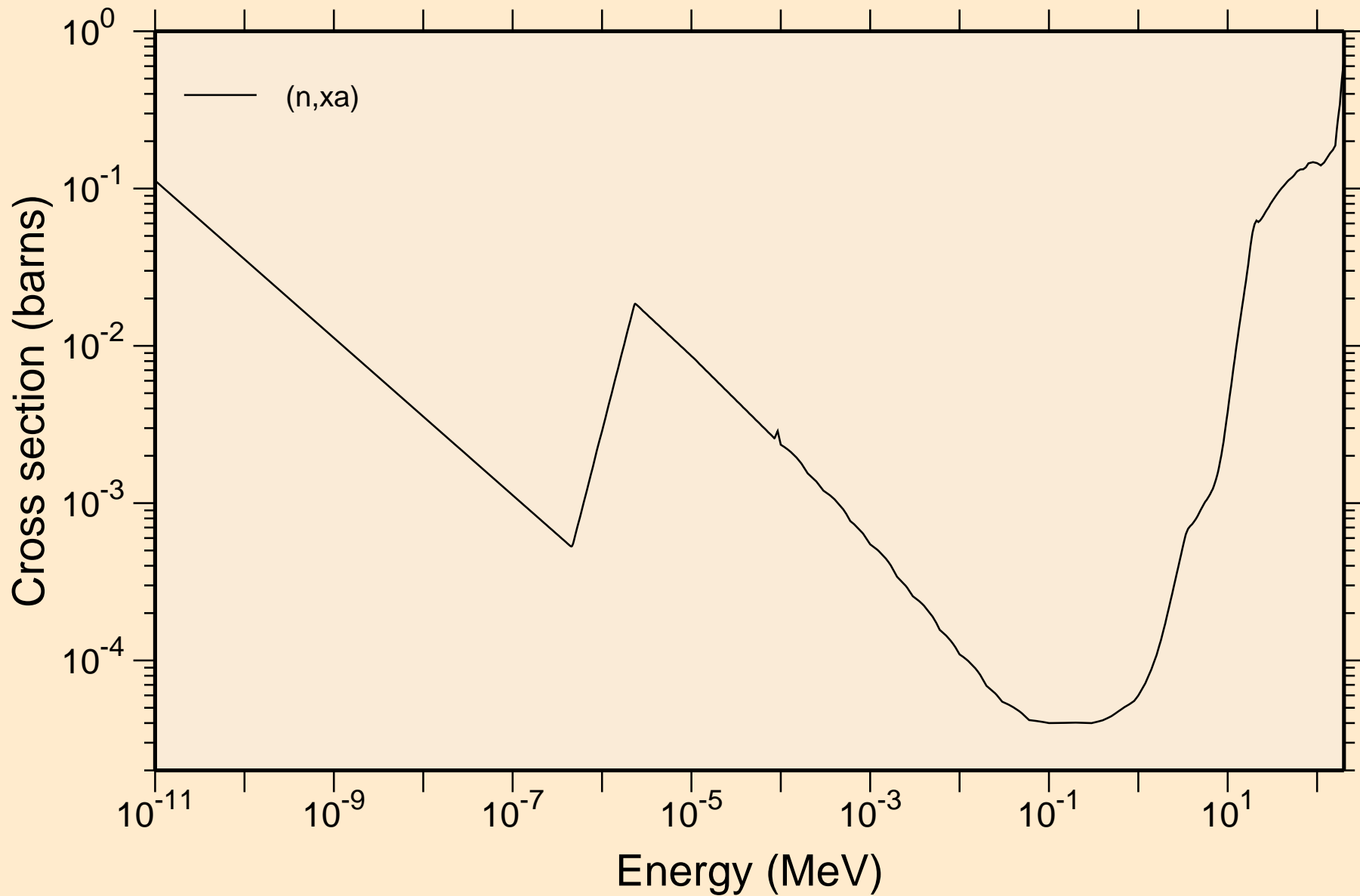
# OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K Damage



OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions

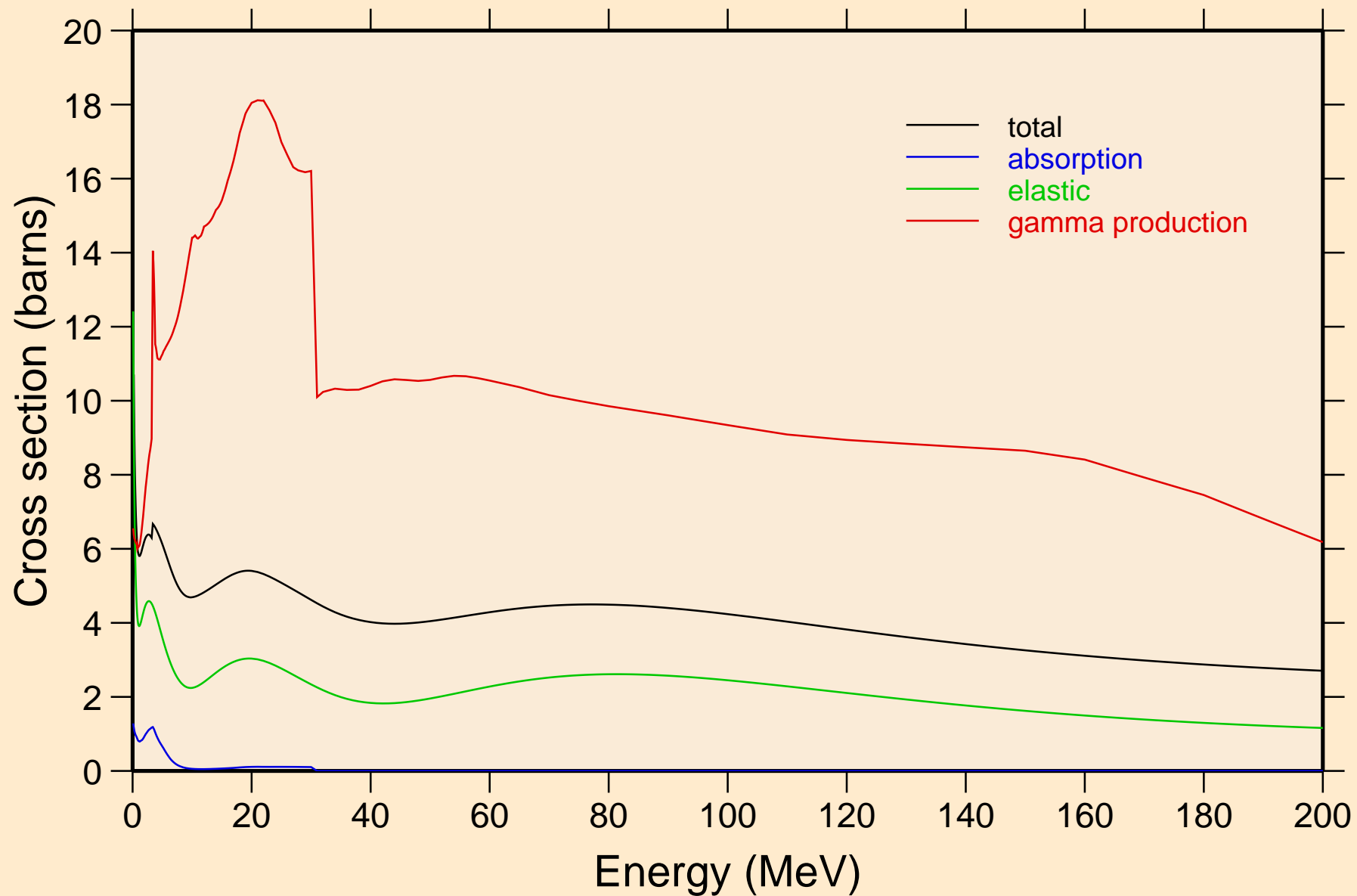


OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions

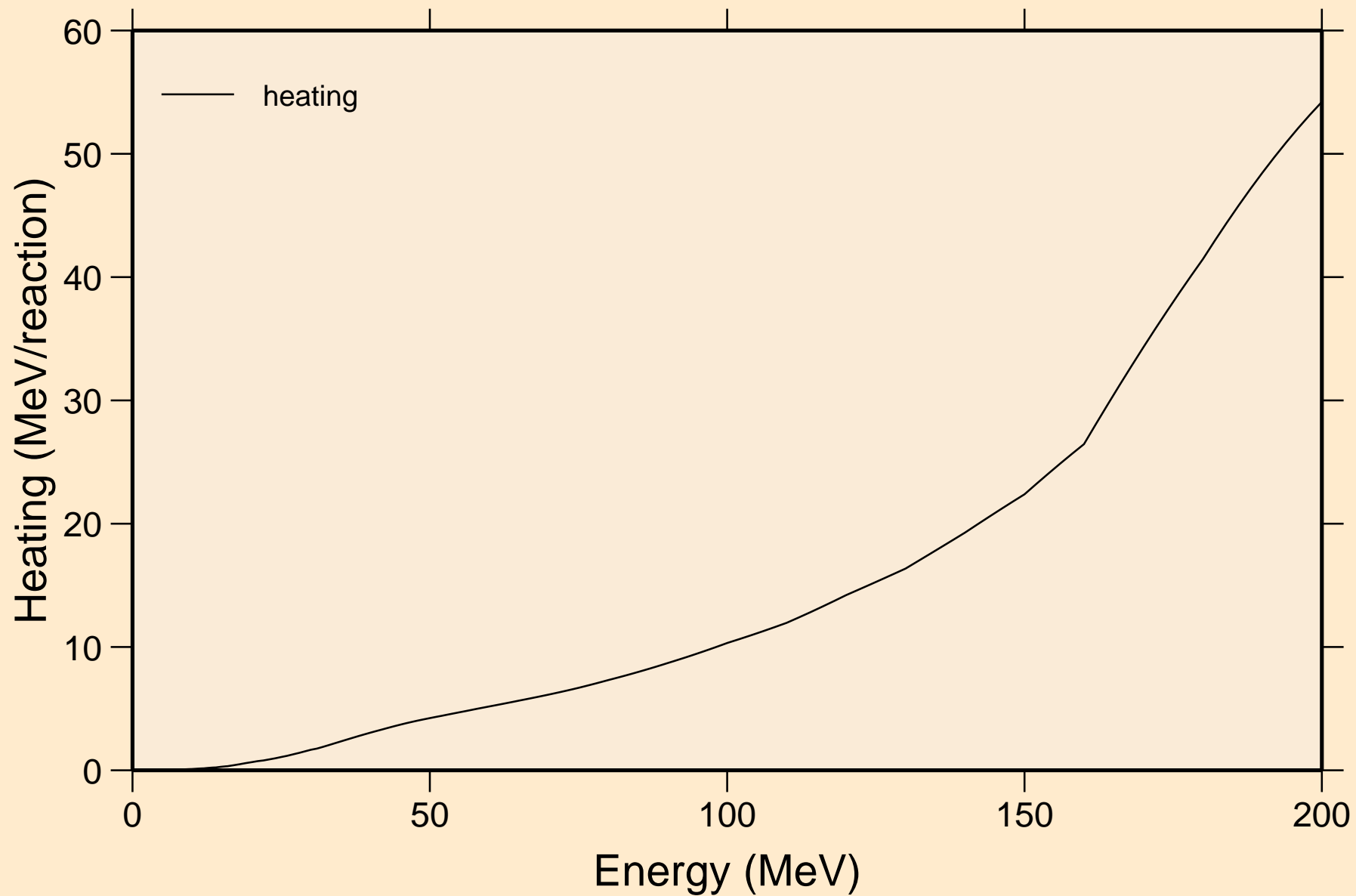


# OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

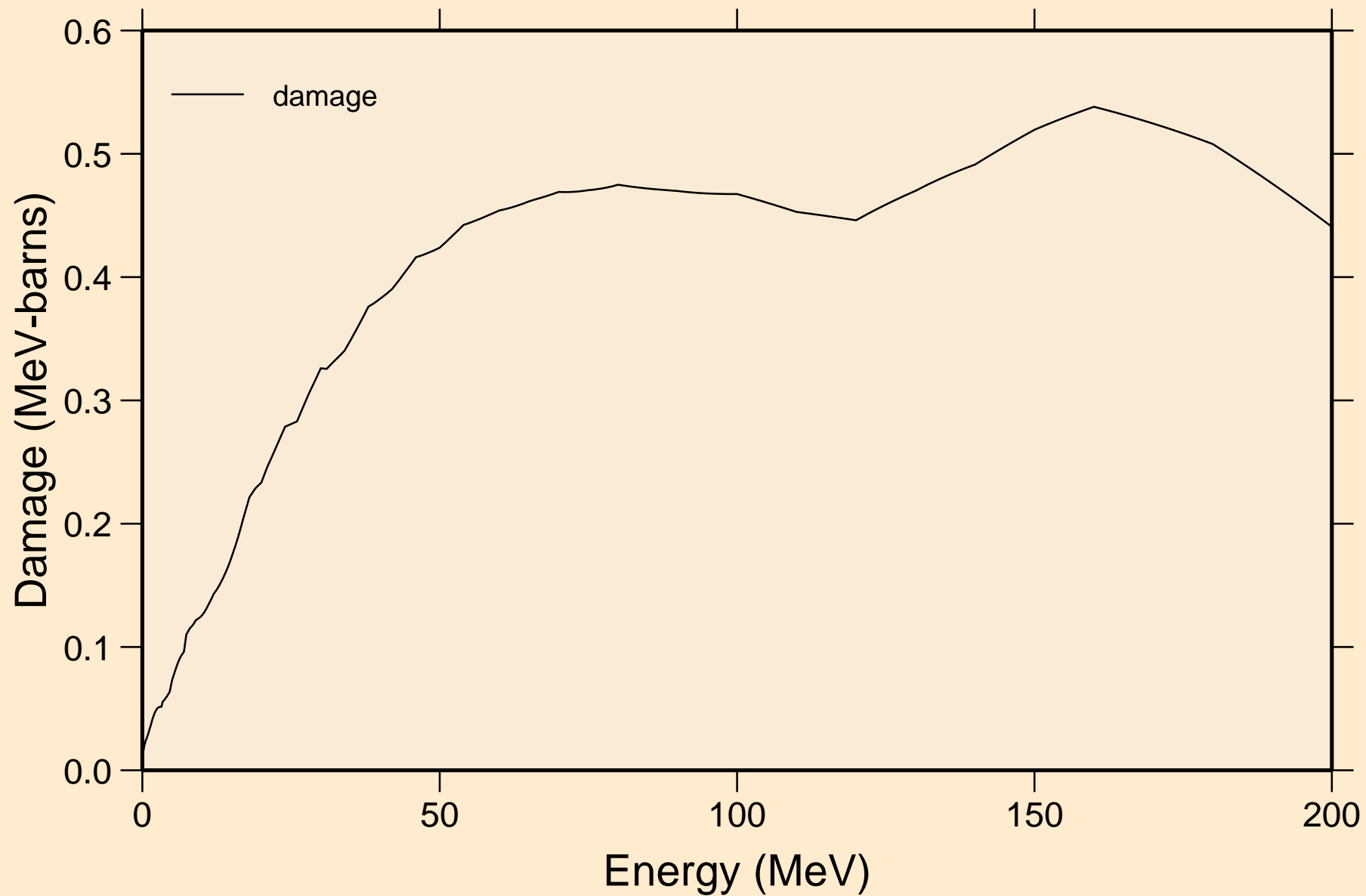
## Principal cross sections



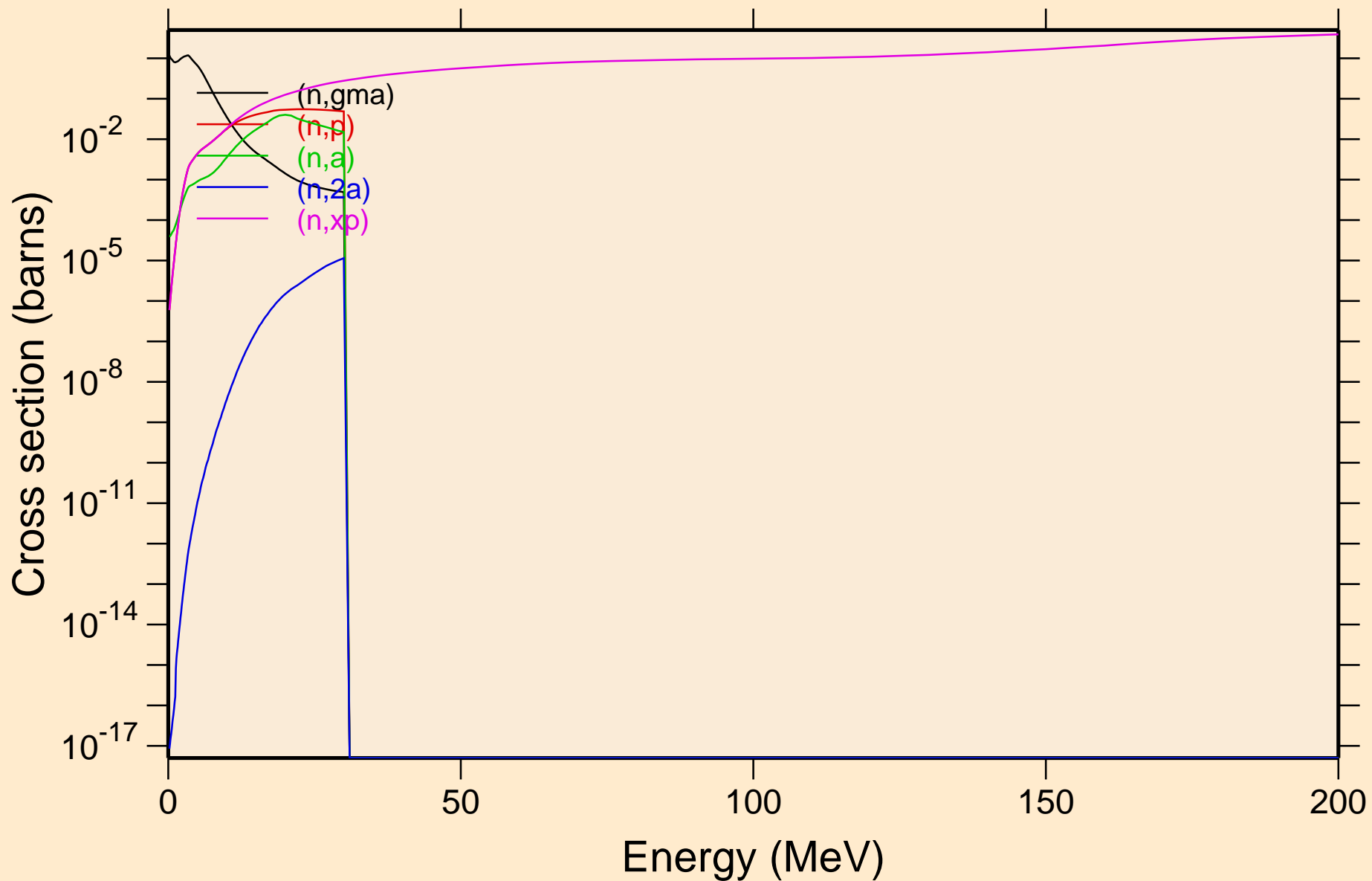
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating



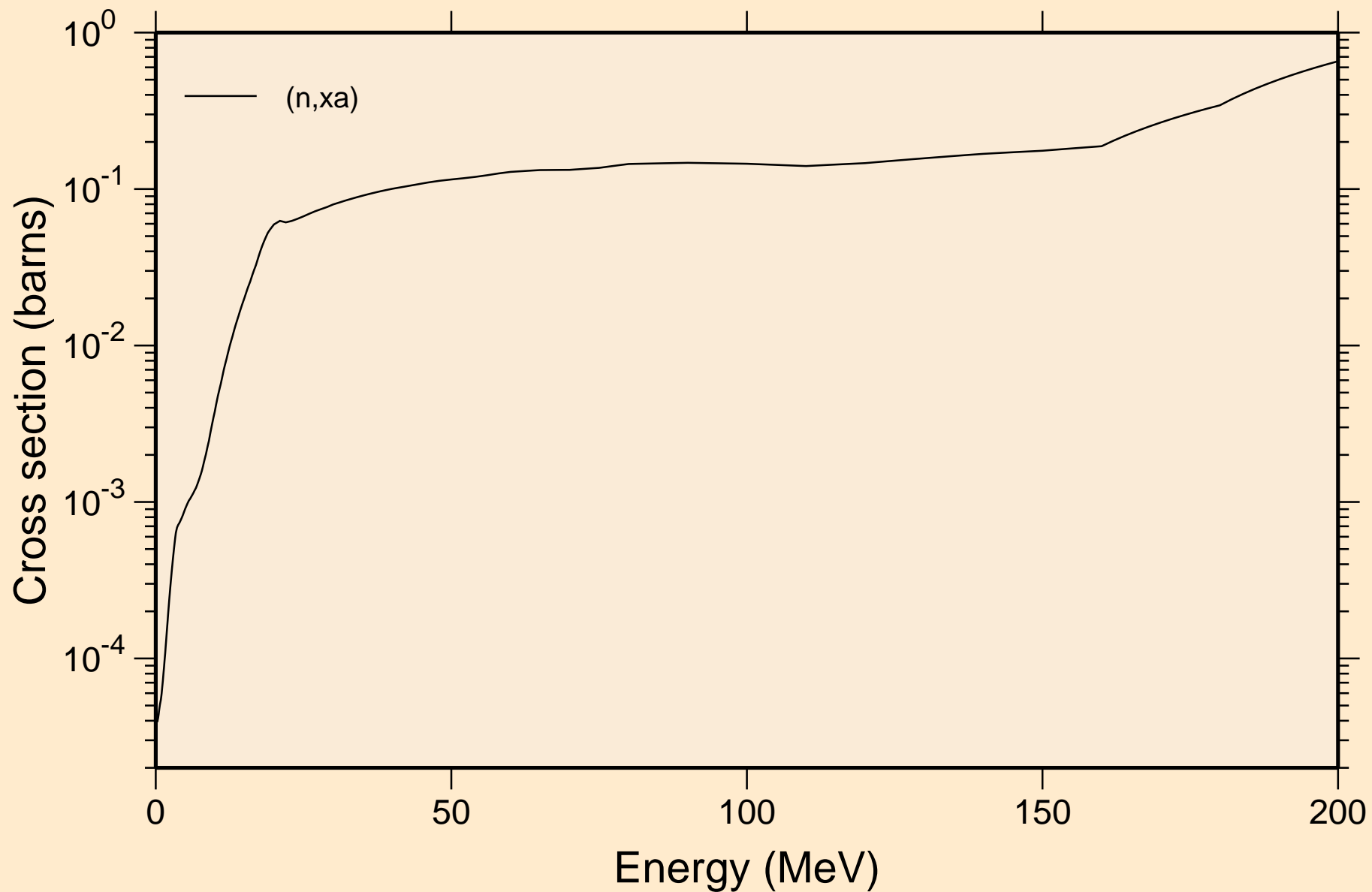
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Damage



OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions

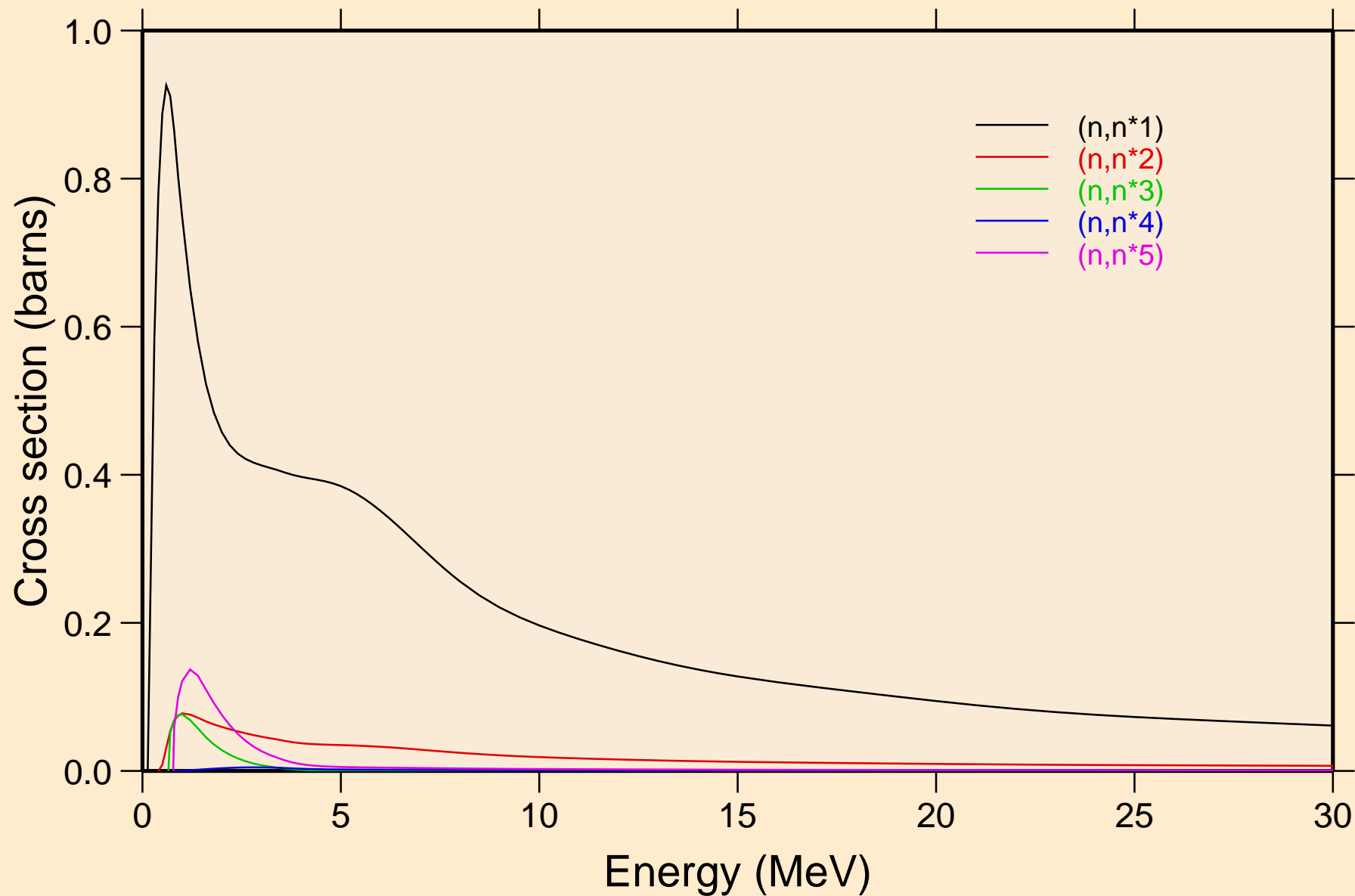


OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions

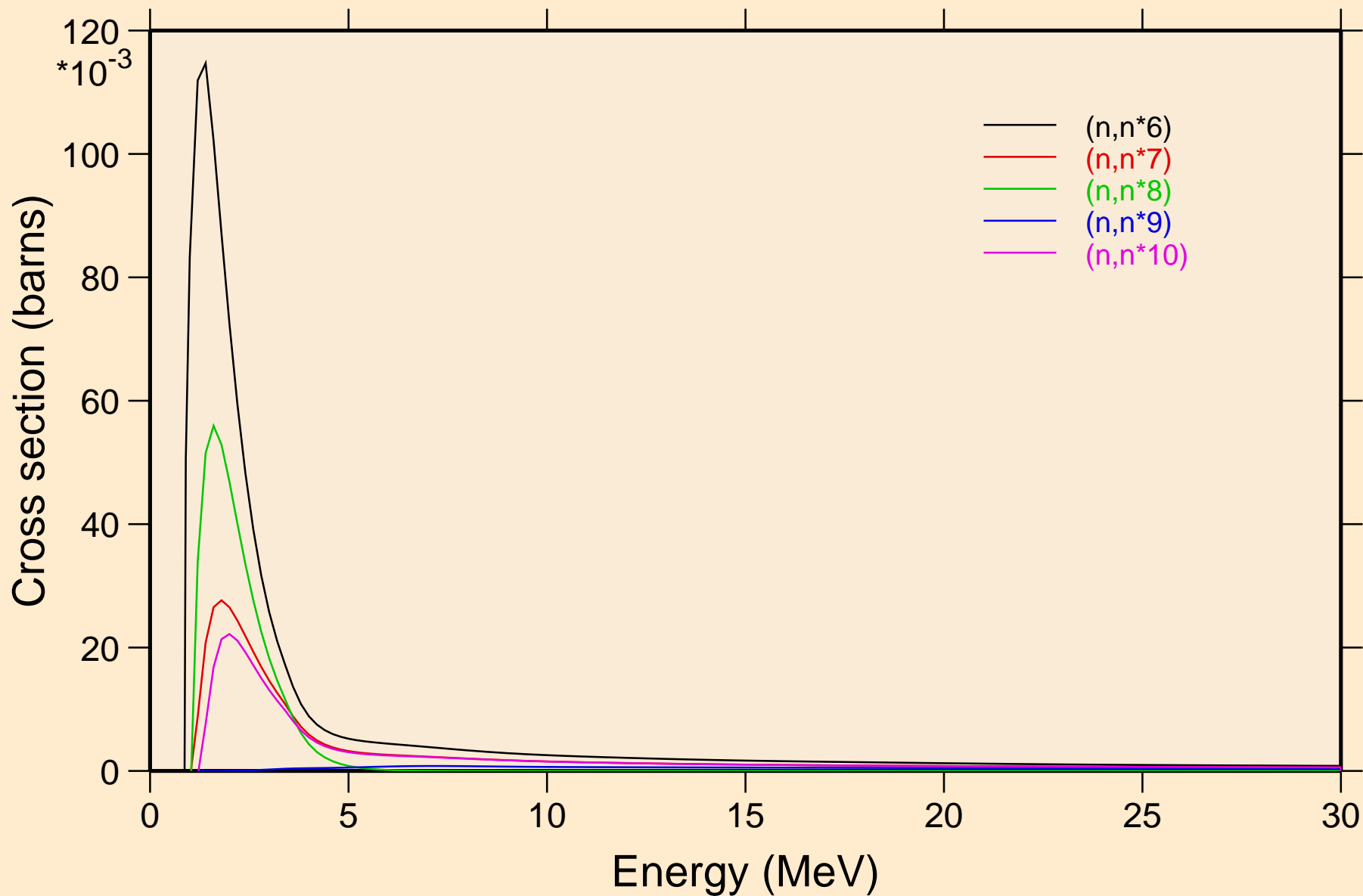




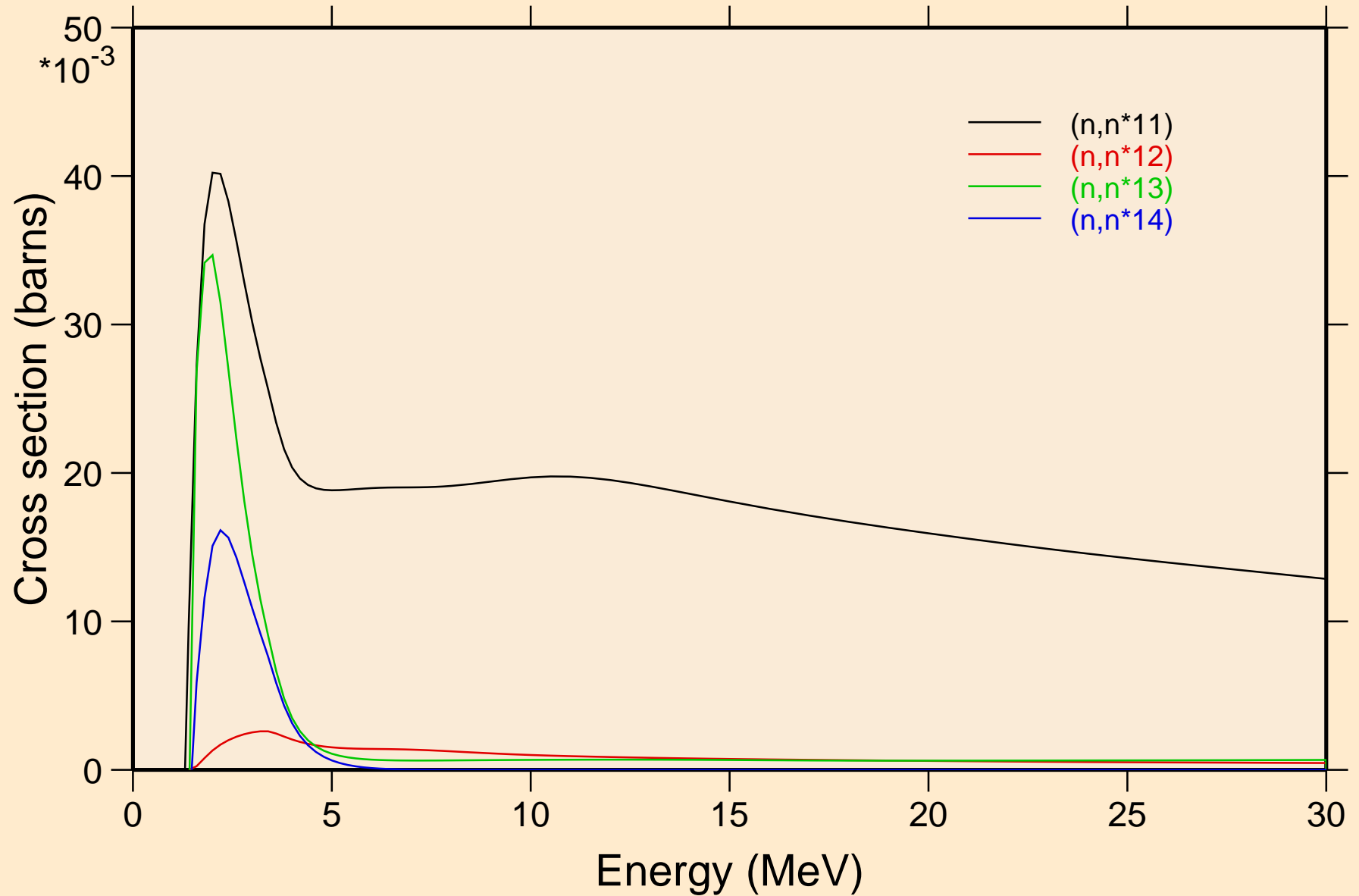
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



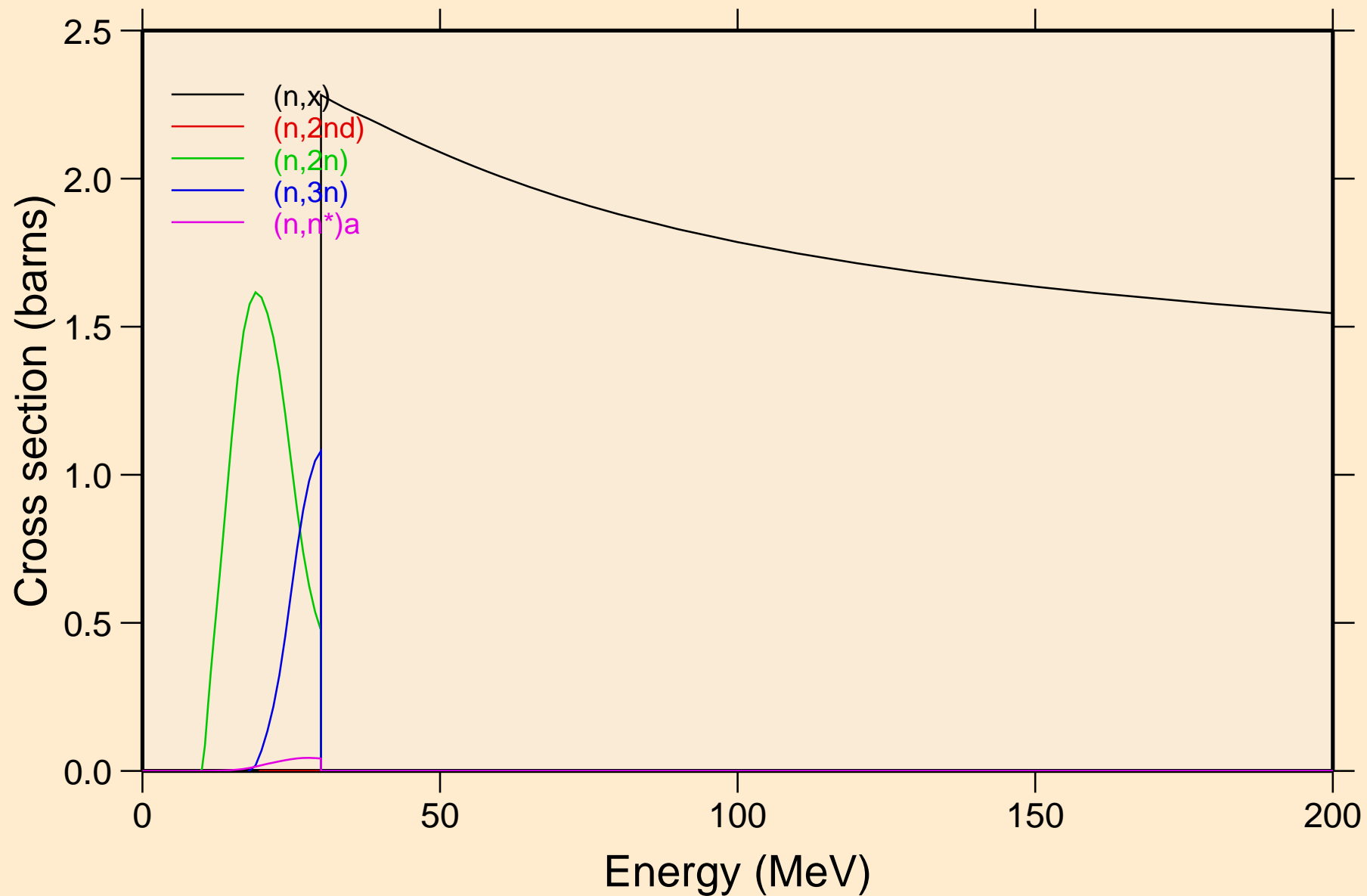
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



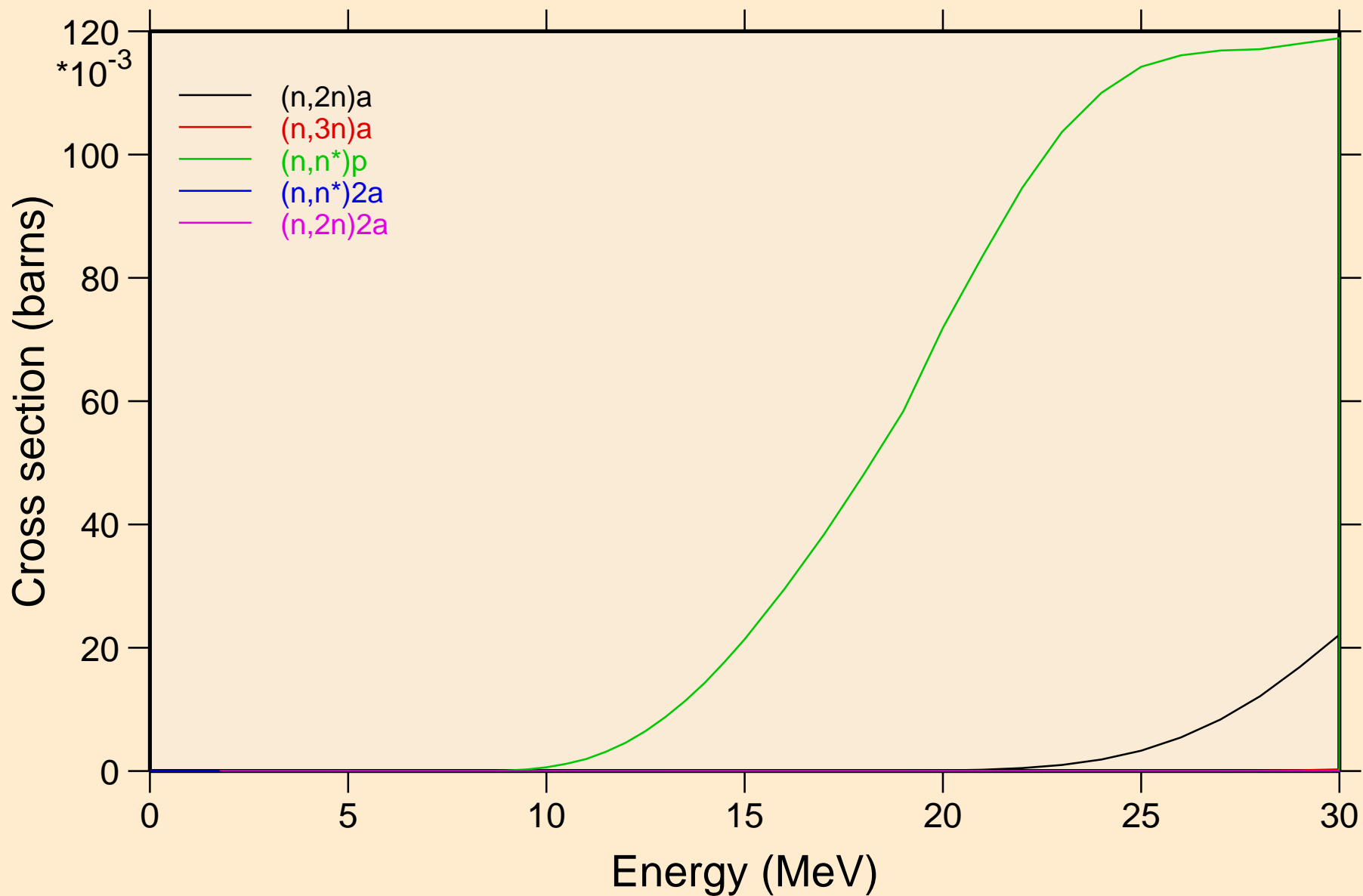
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



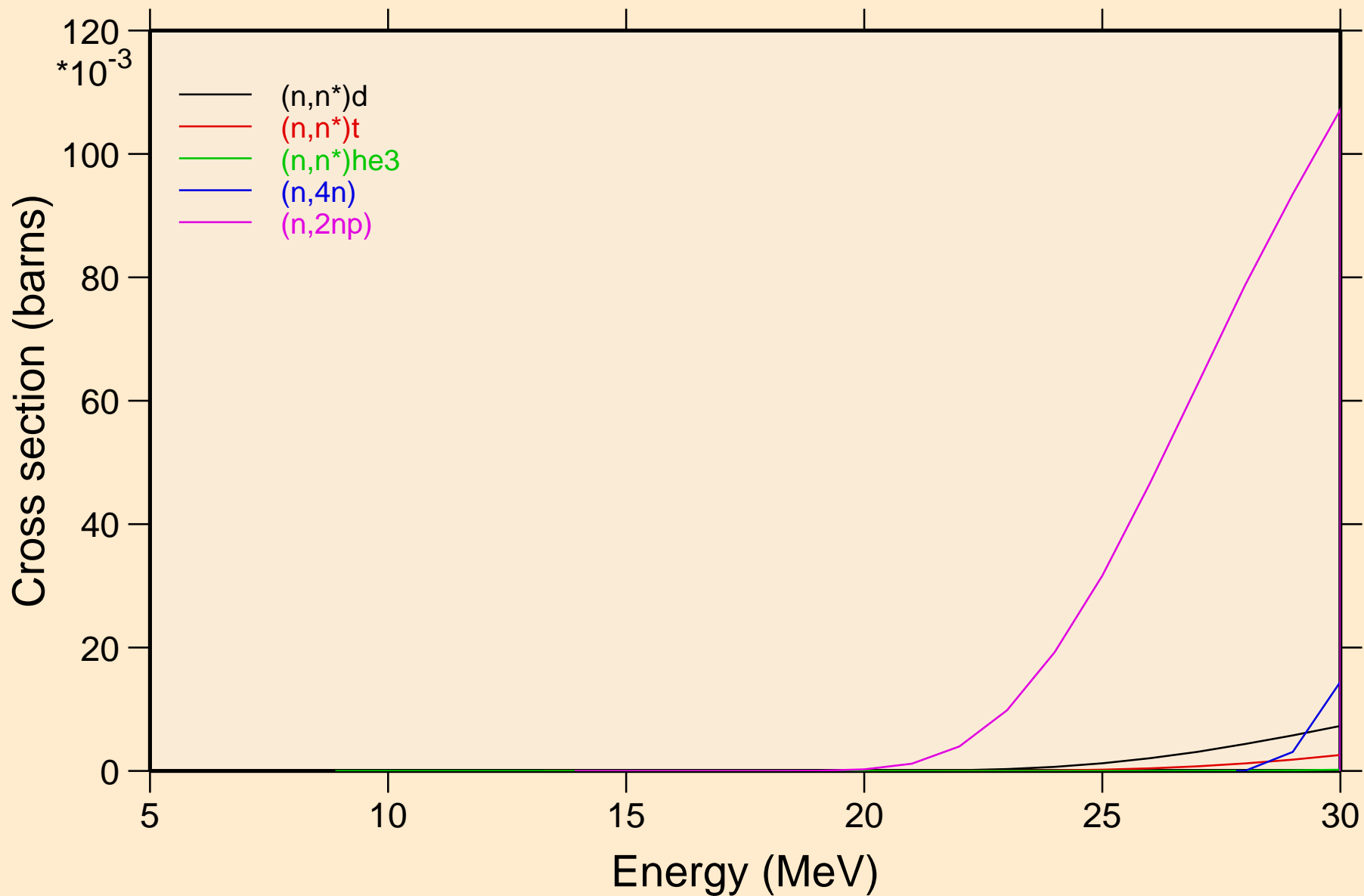
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



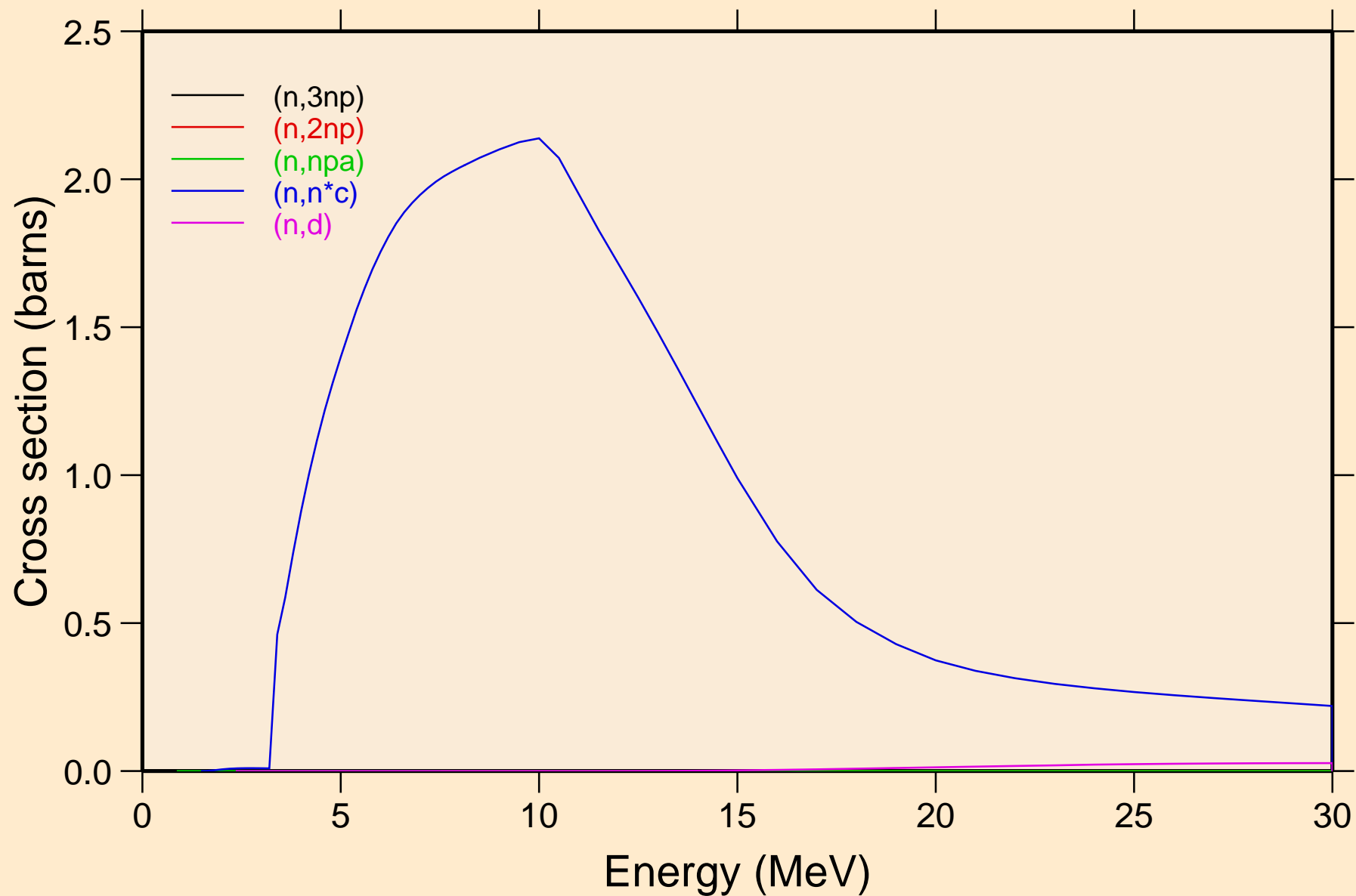
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



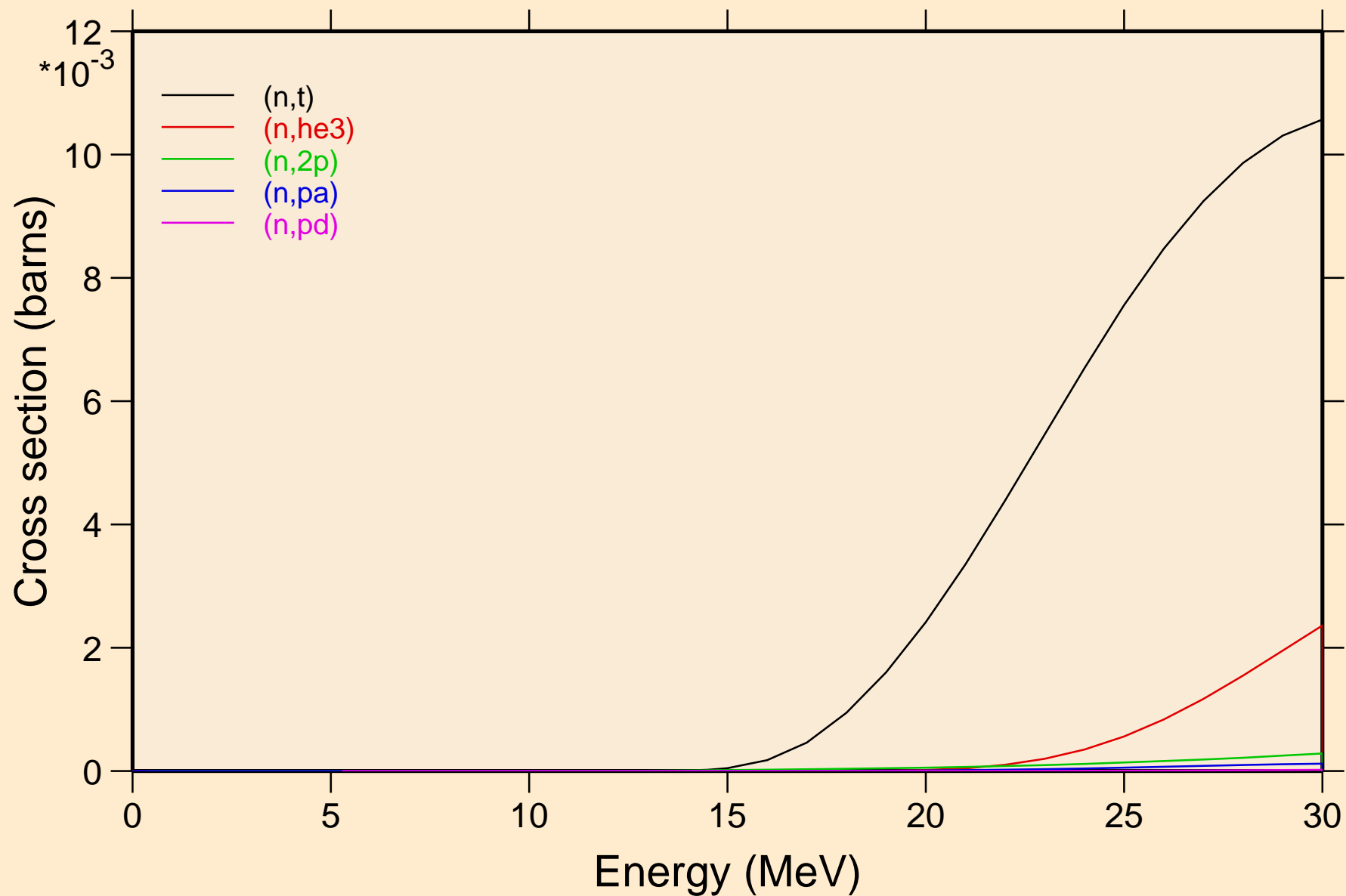
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

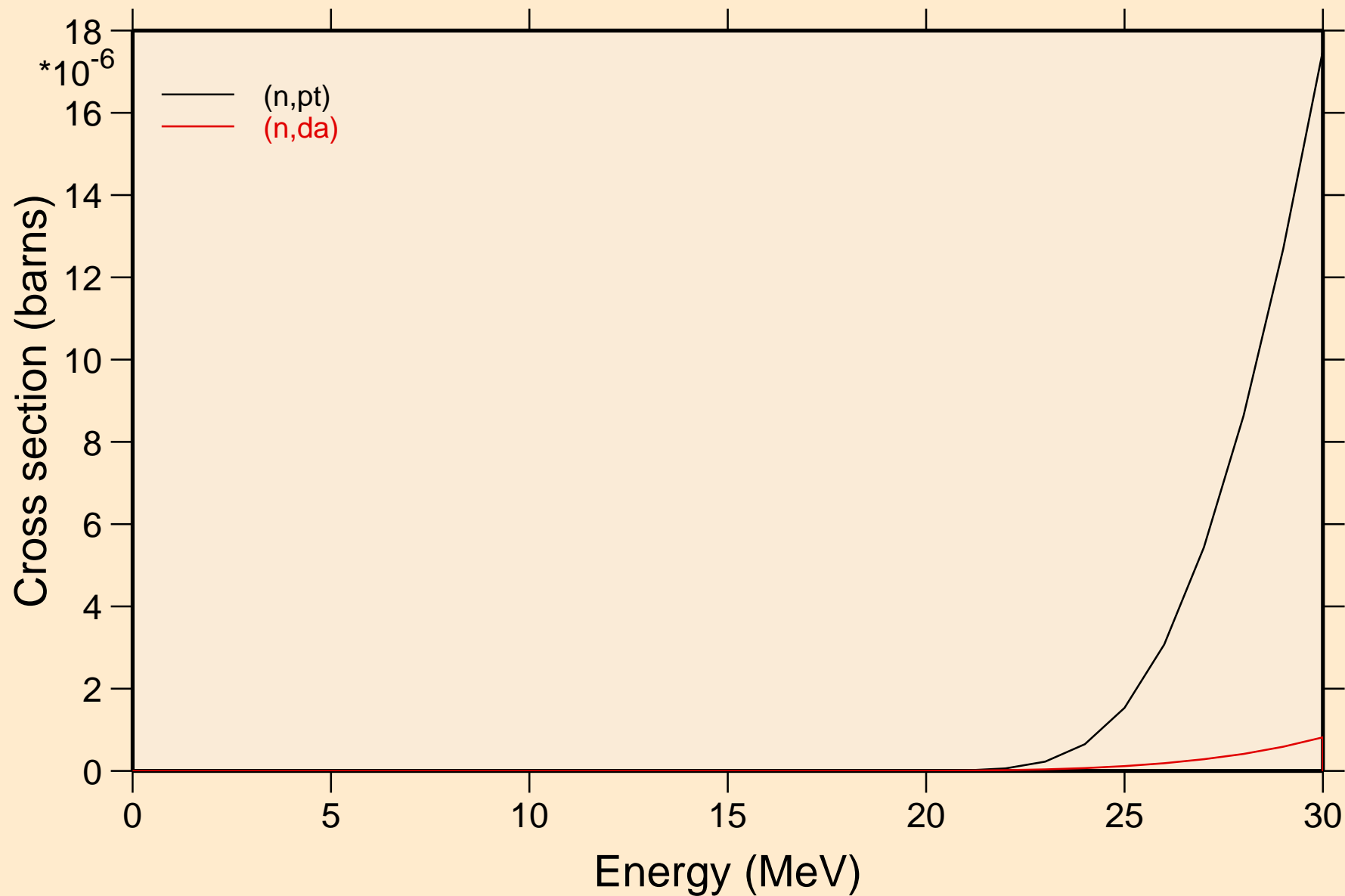


OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

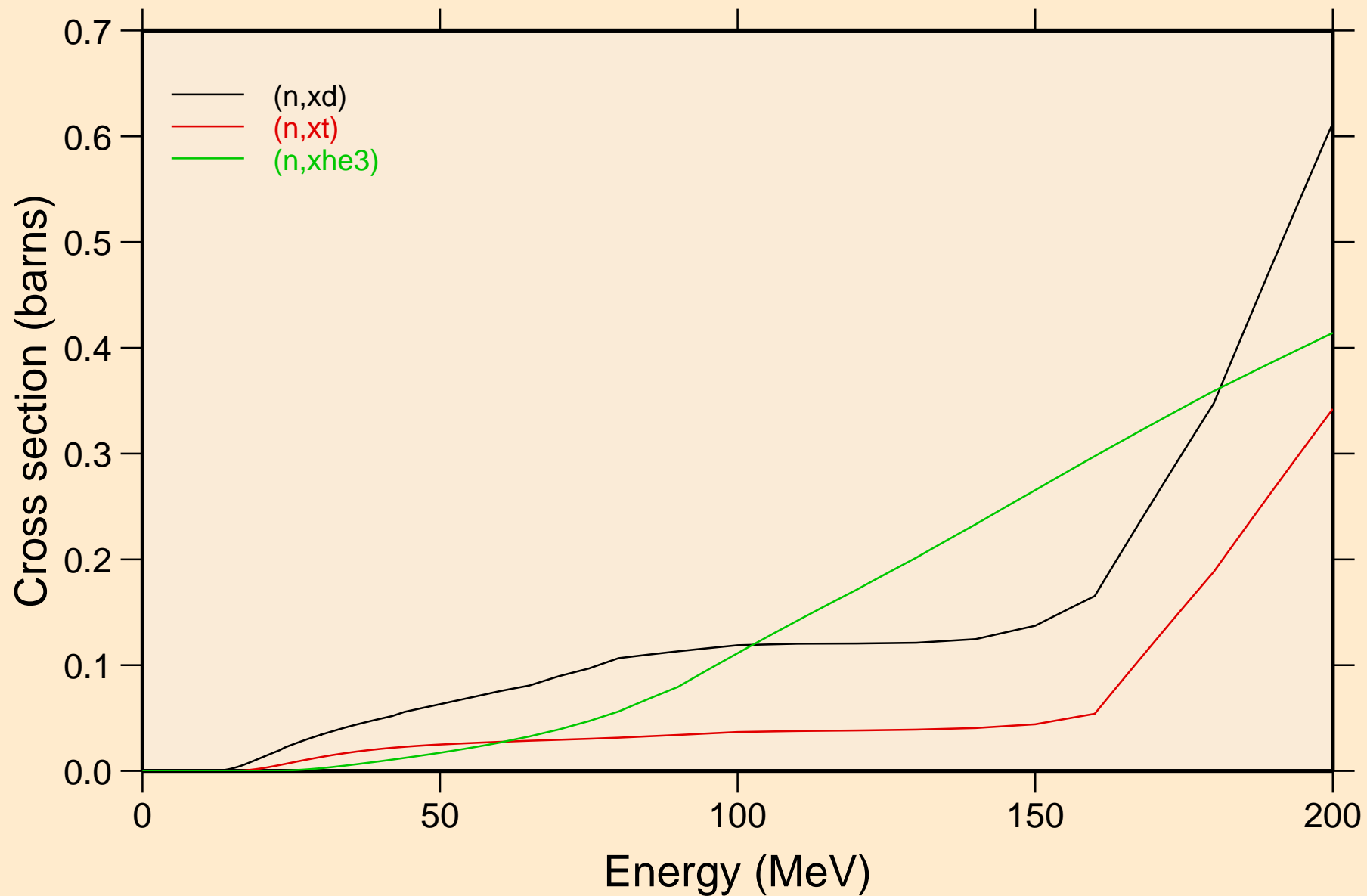




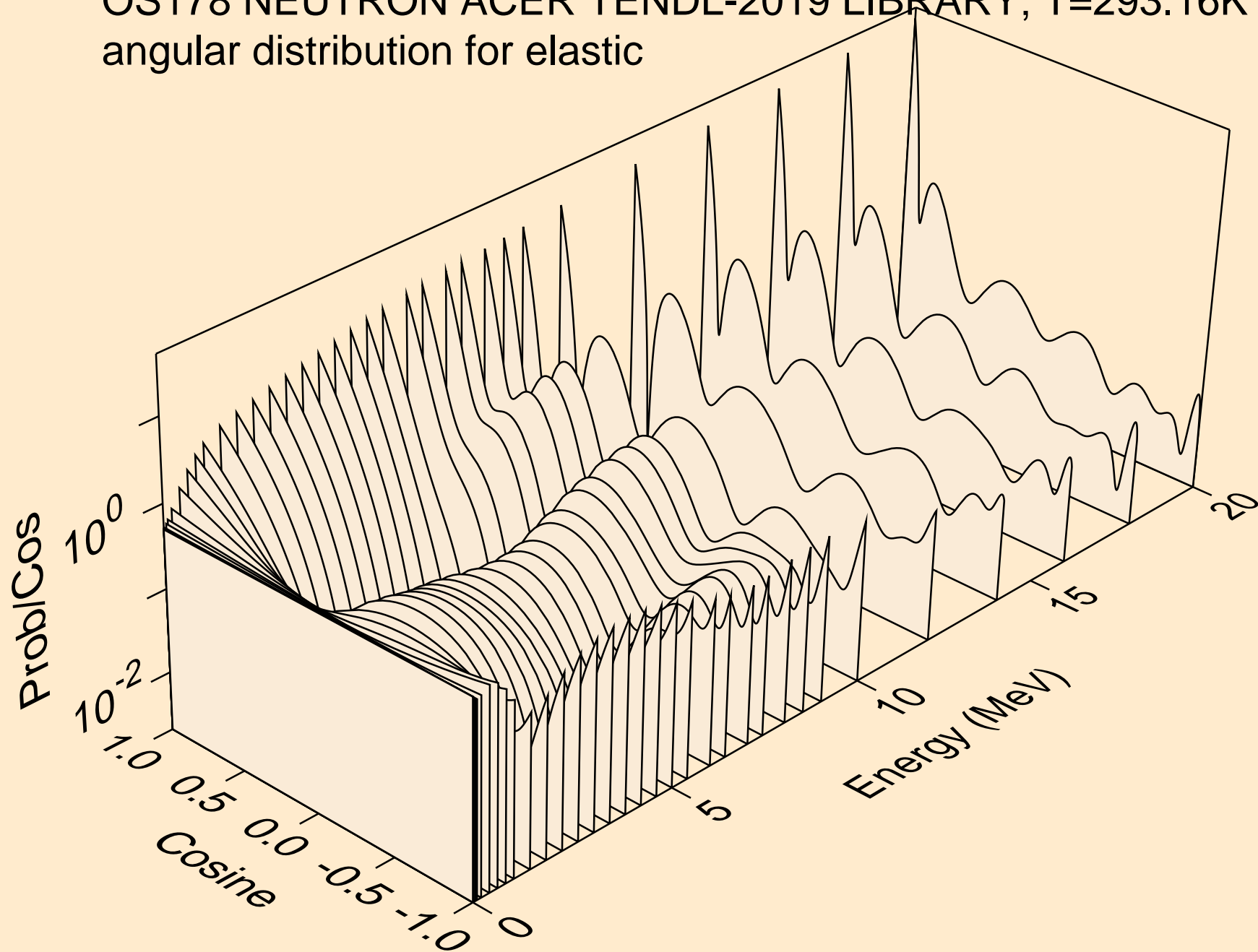
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



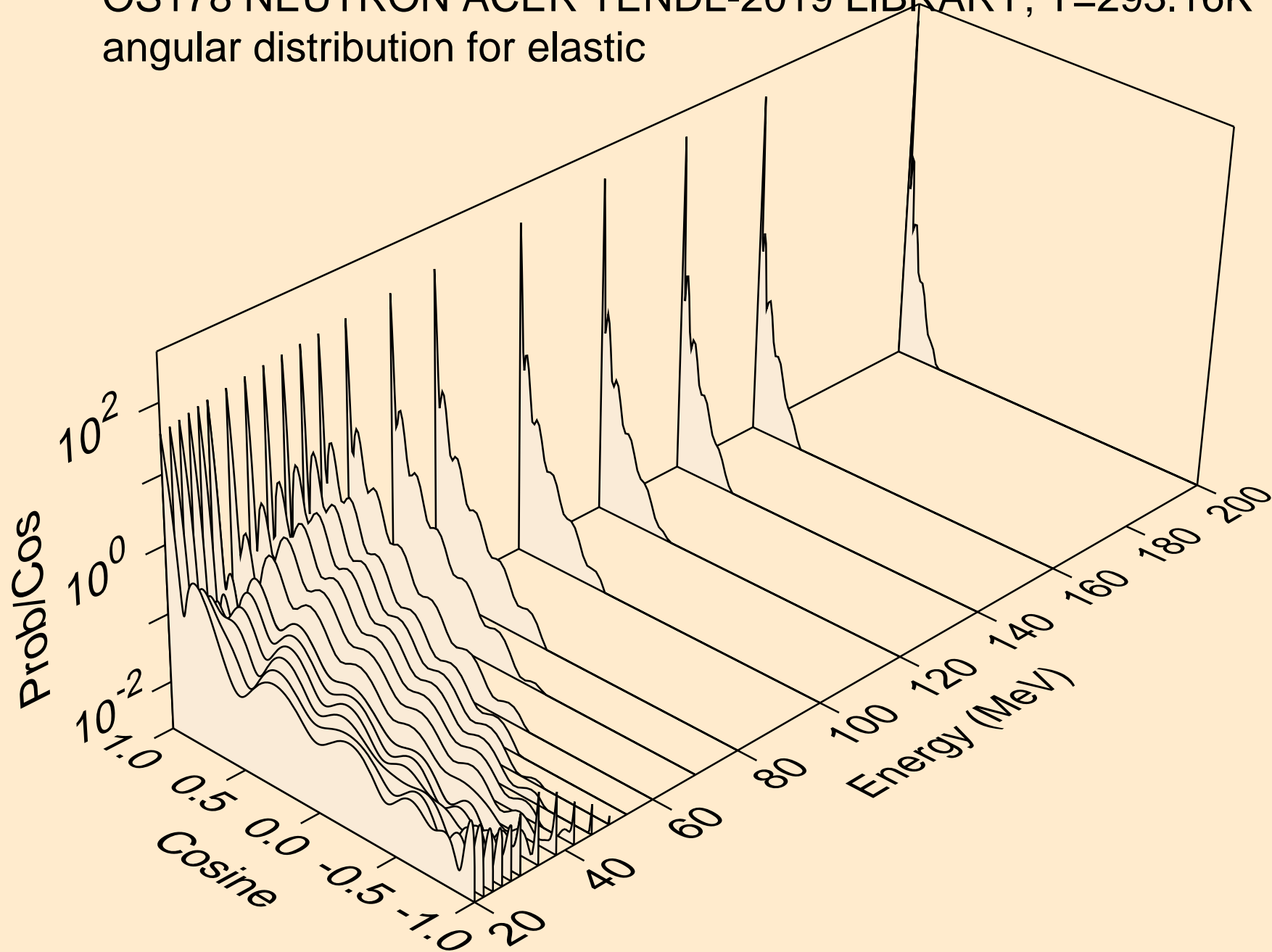
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



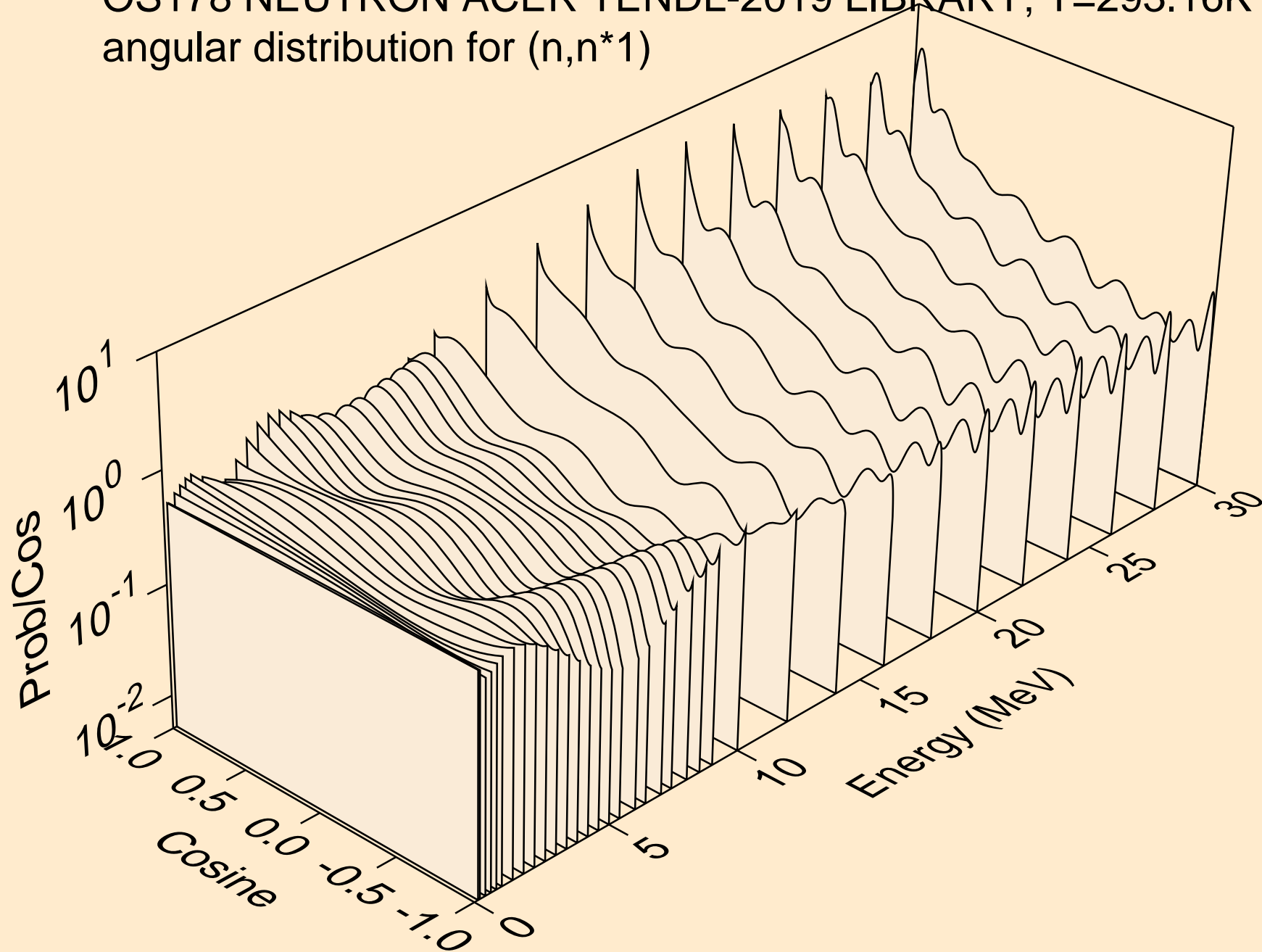
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic



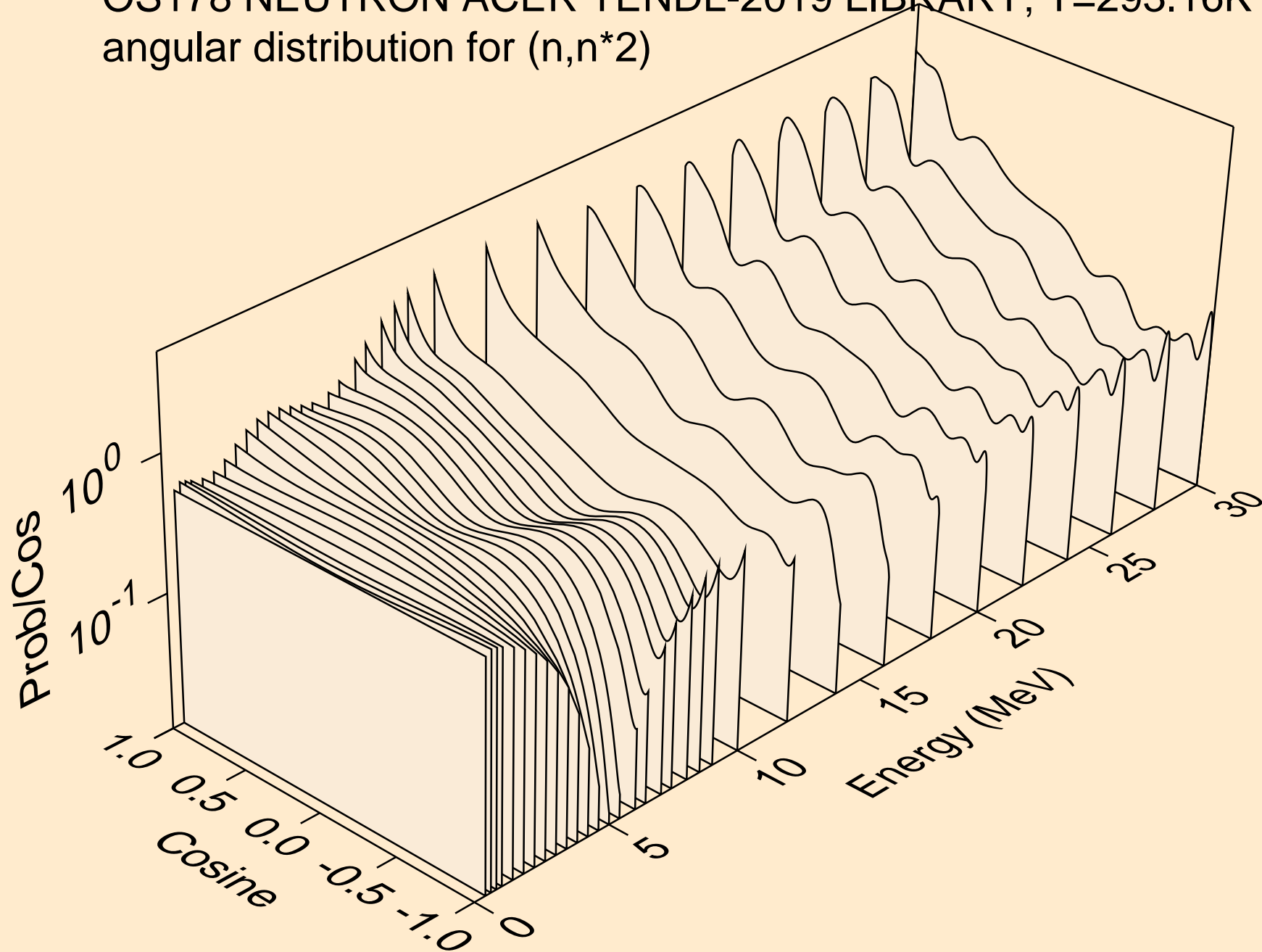
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic



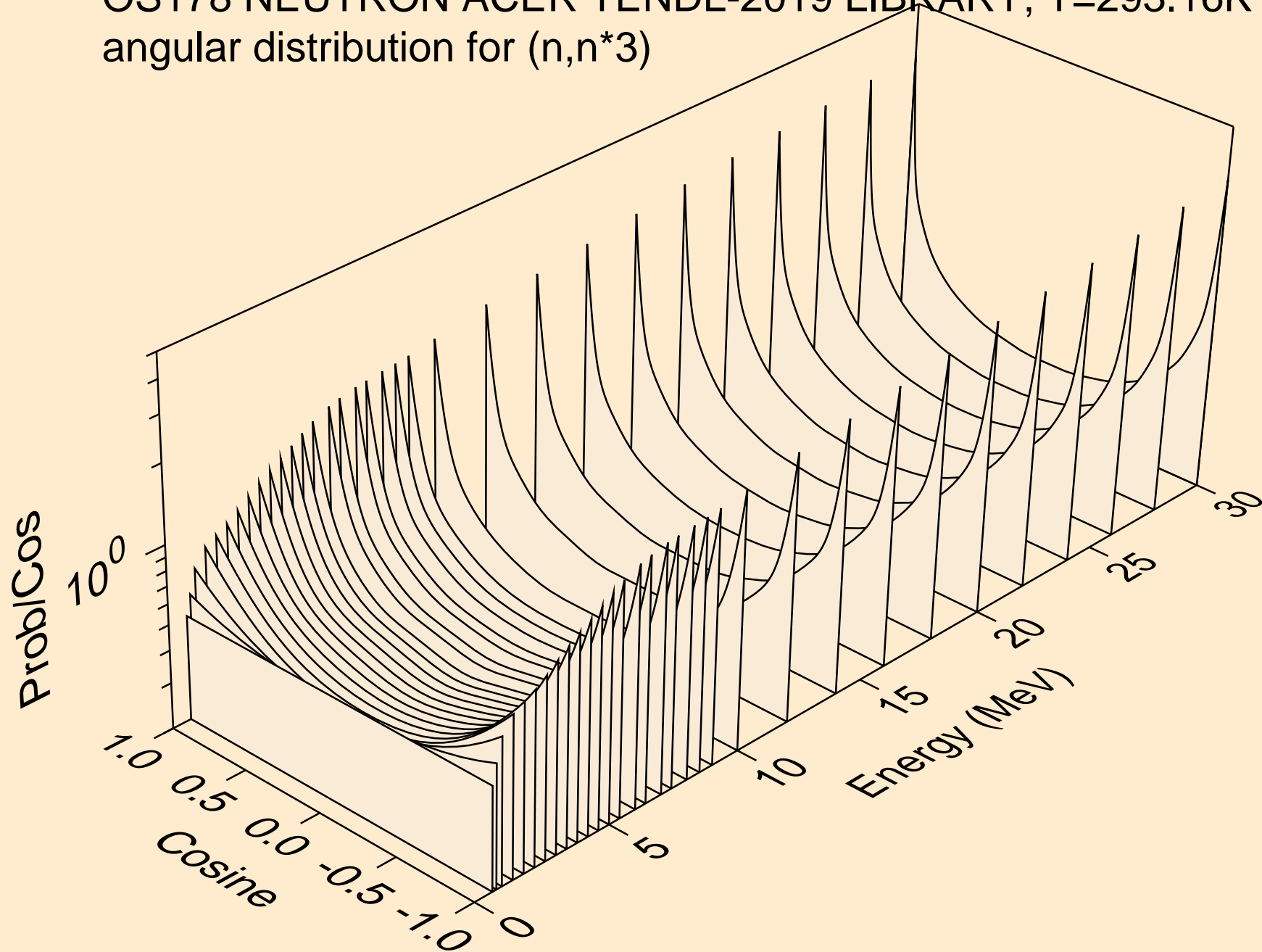
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*1)



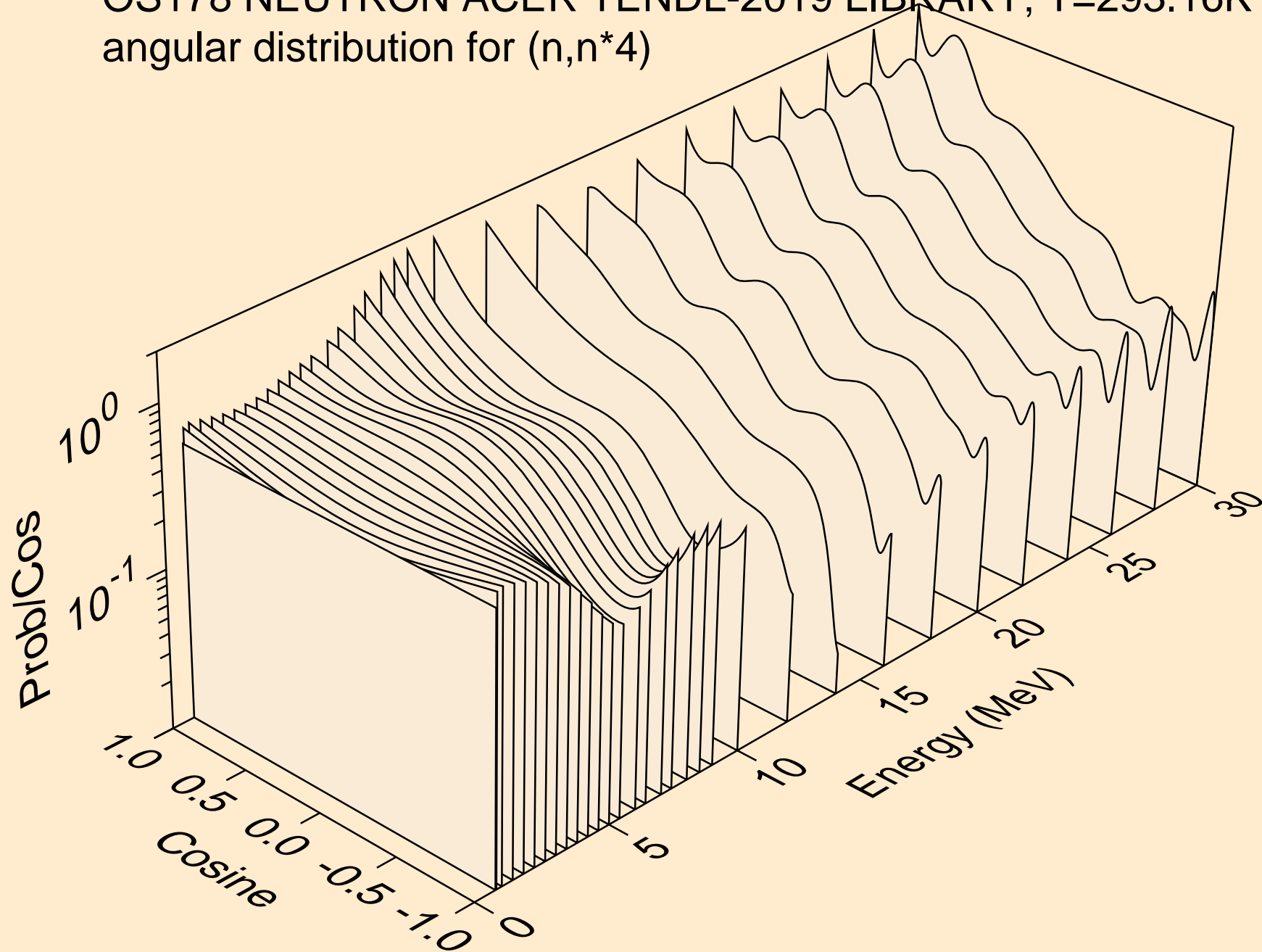
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*2)



OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*3)

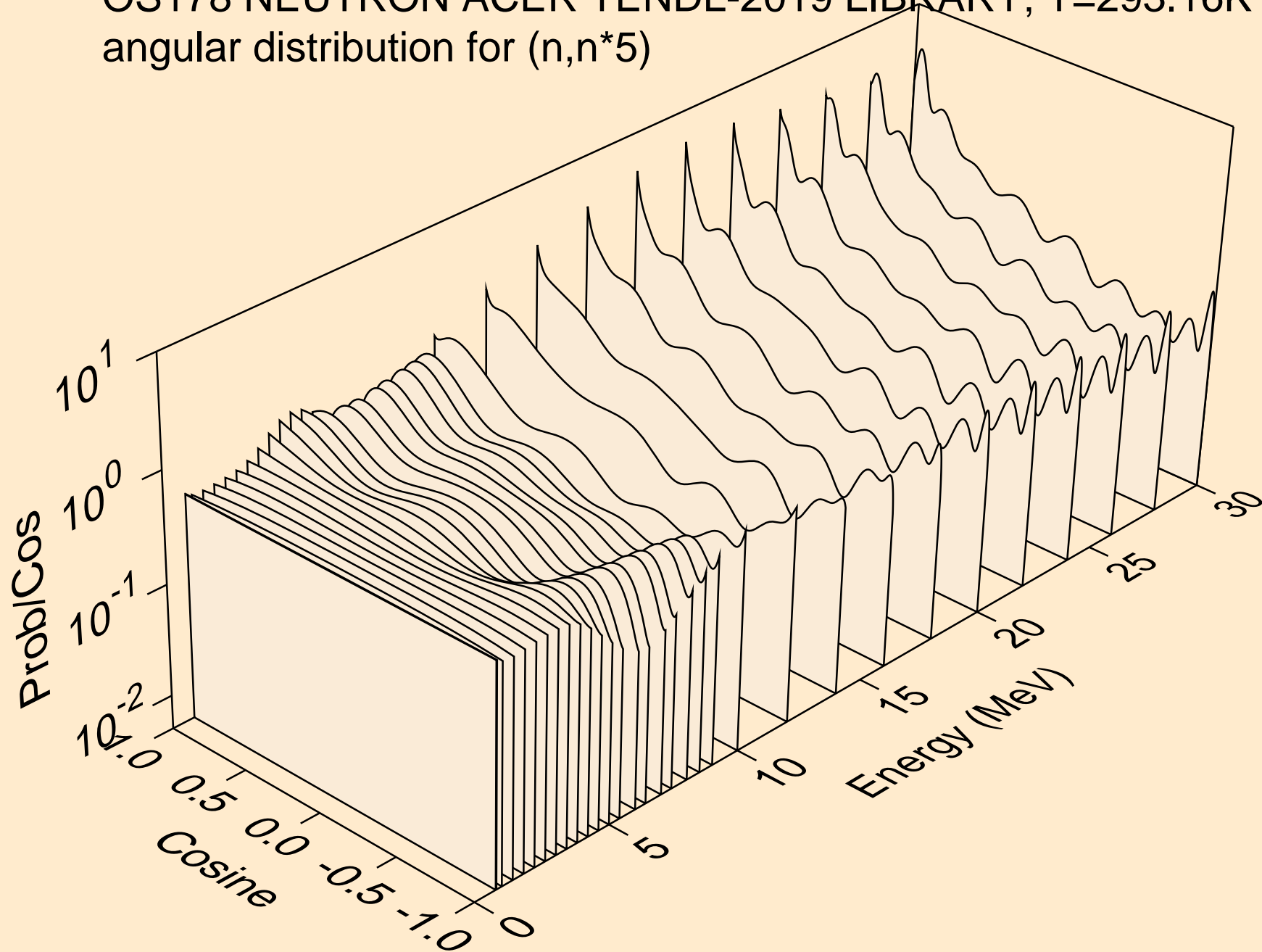


OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*4)

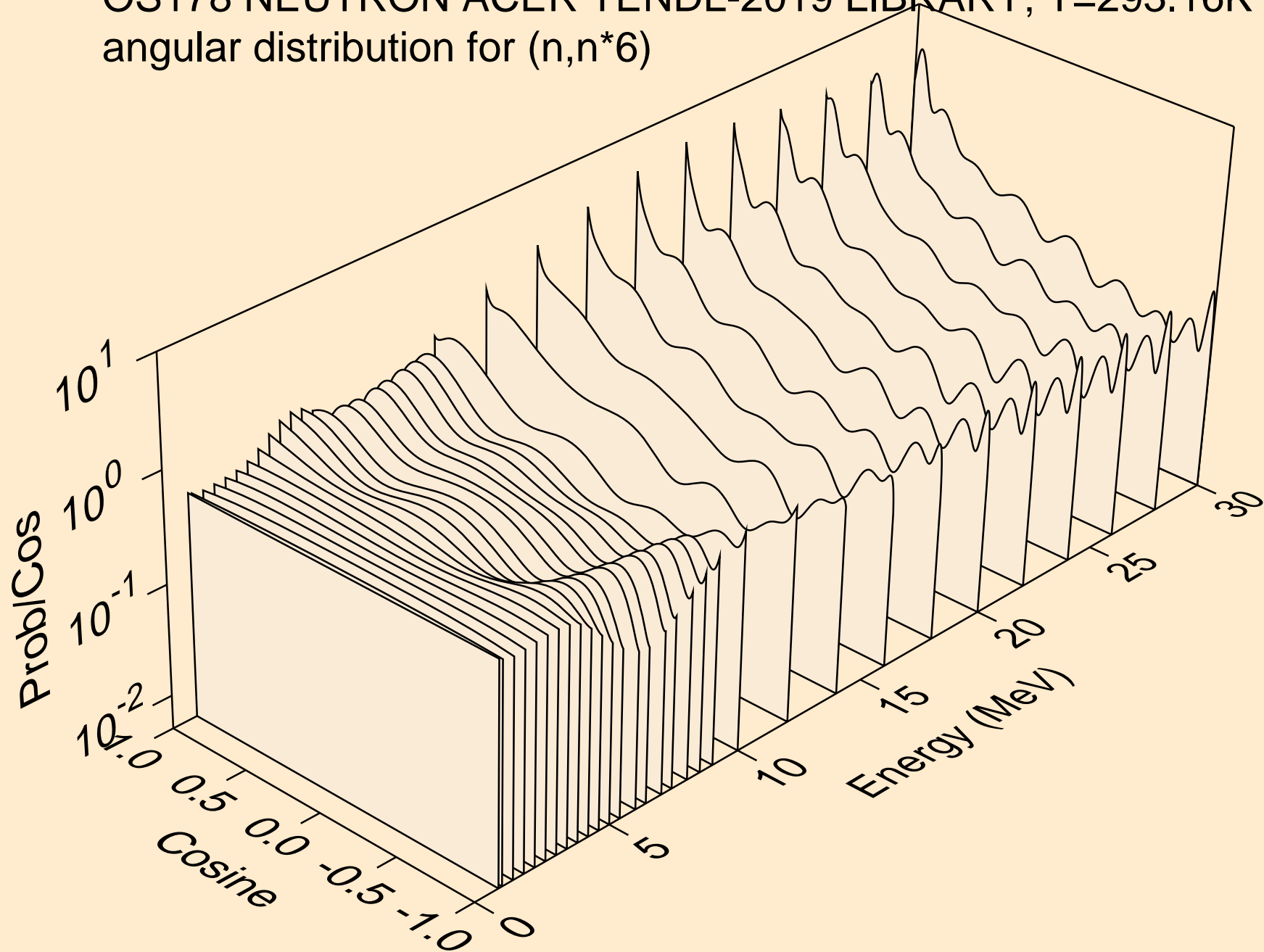




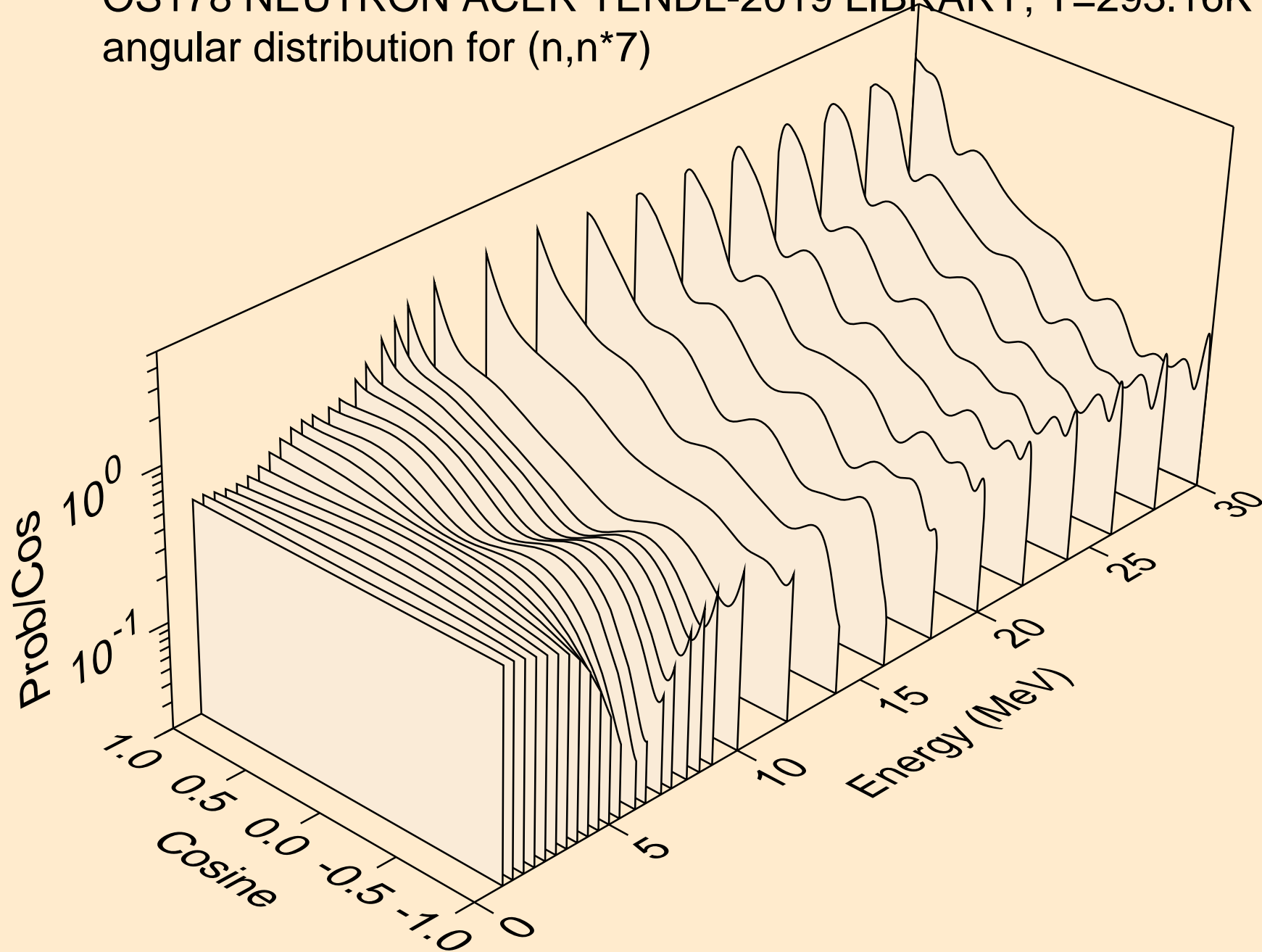
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*5)



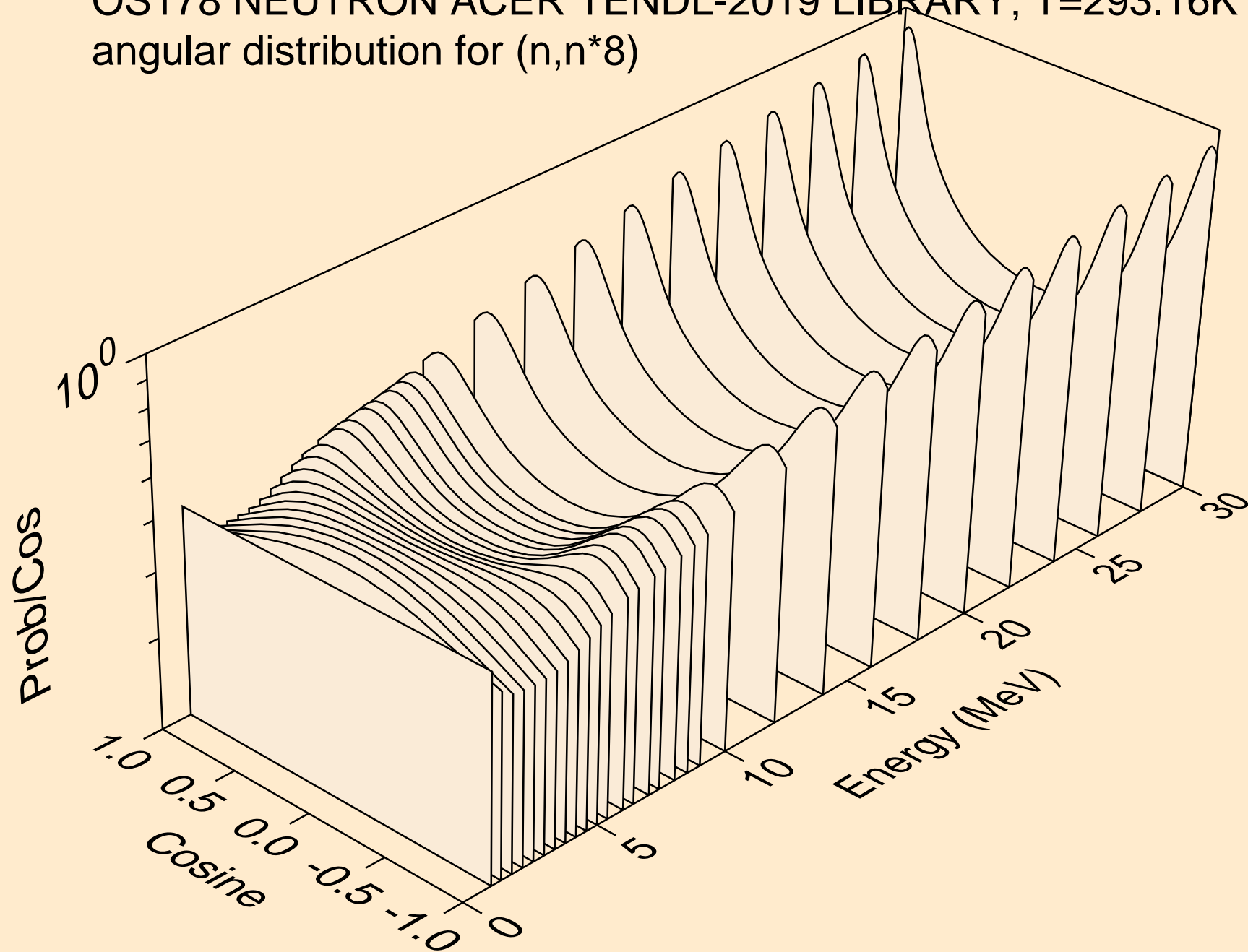
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*6)



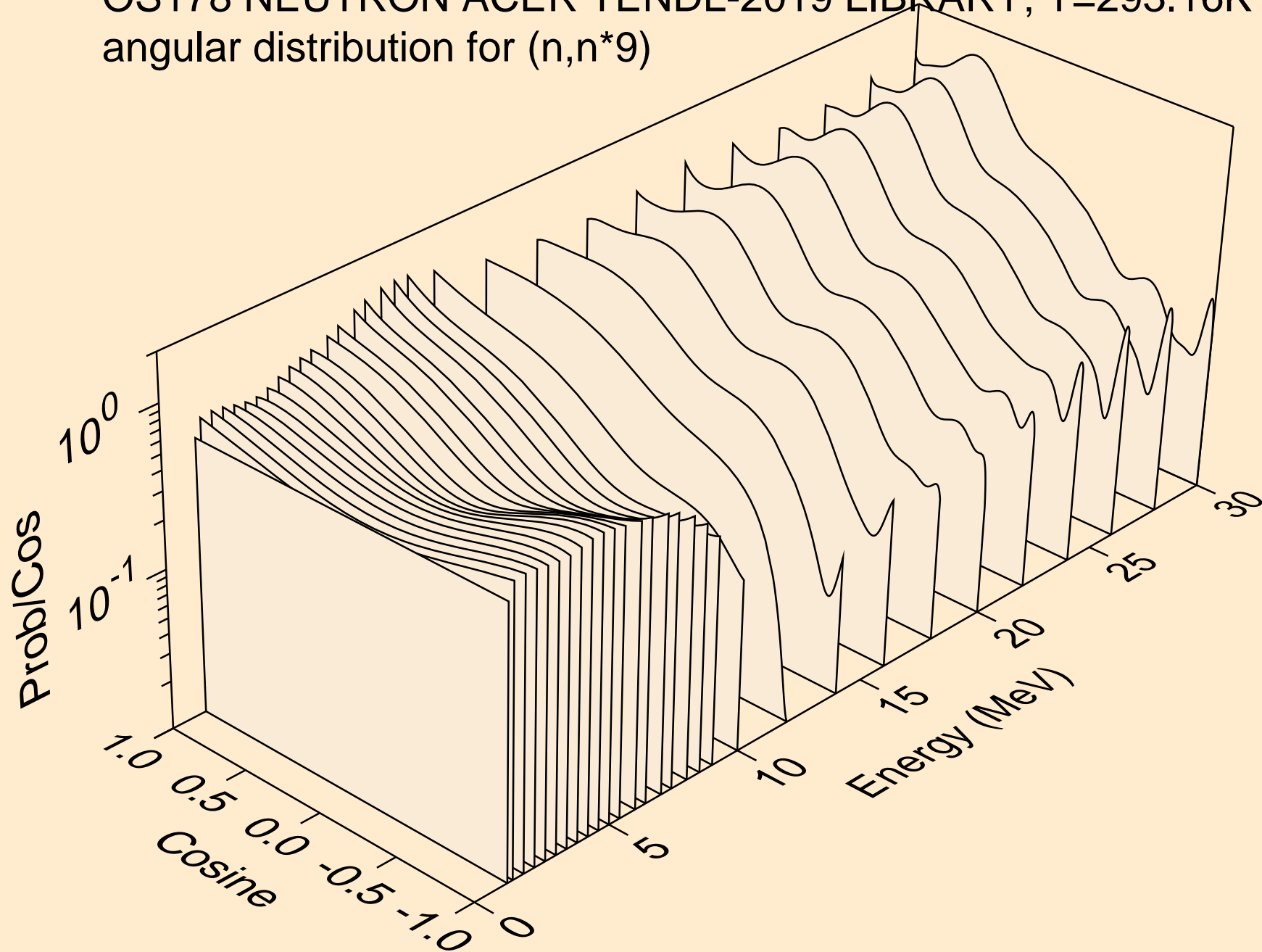
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*7)



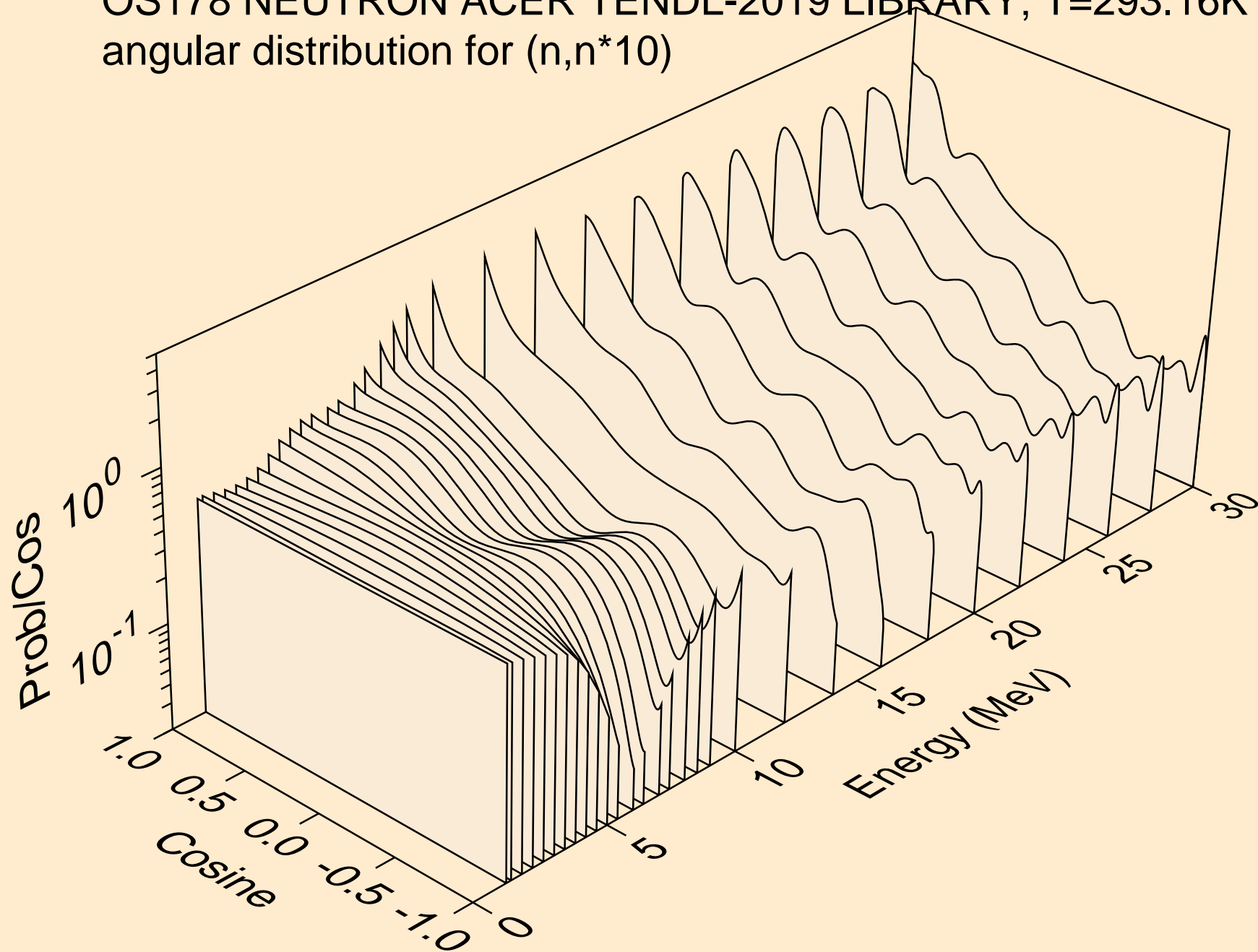
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*8)



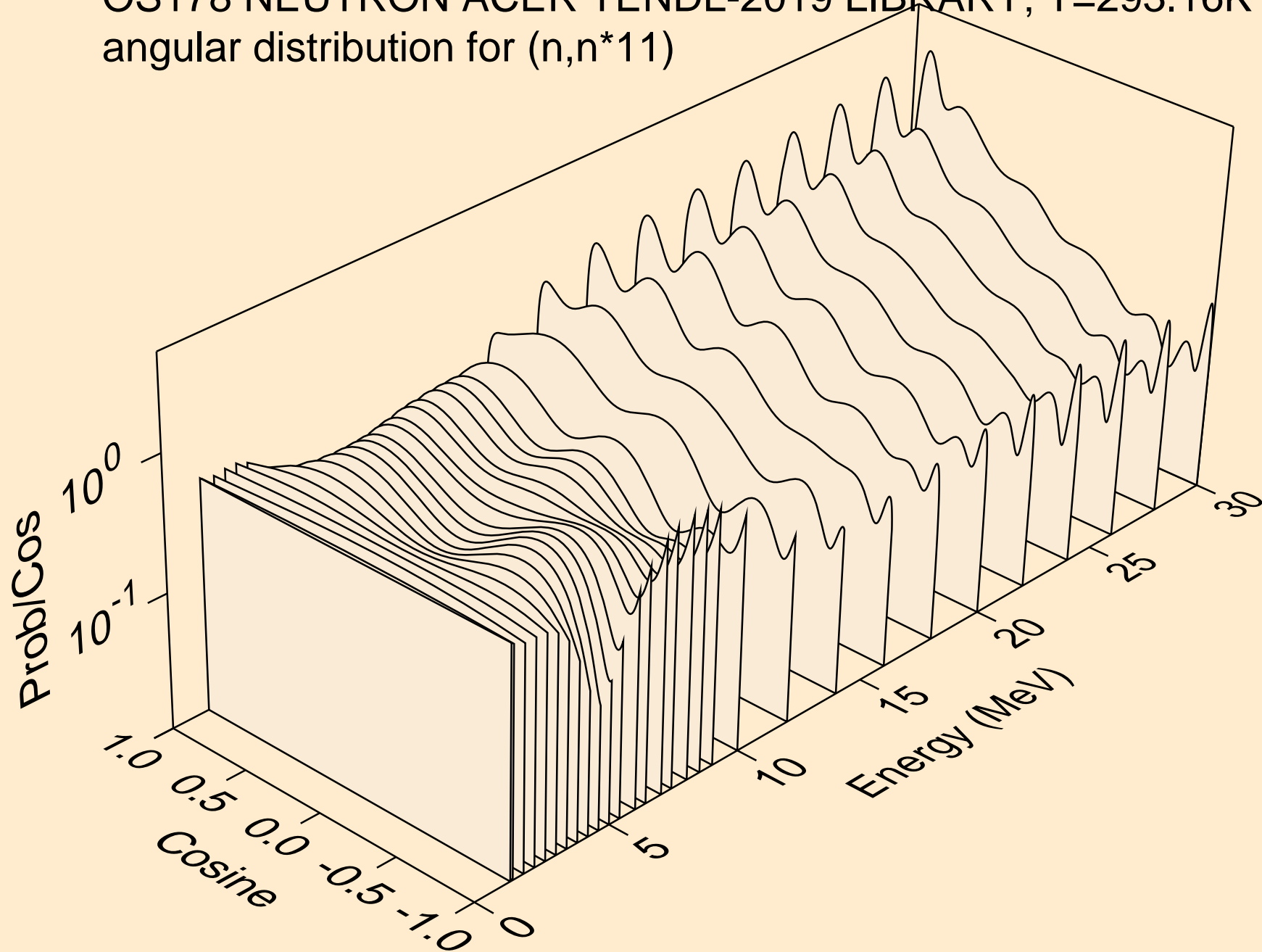
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*9)



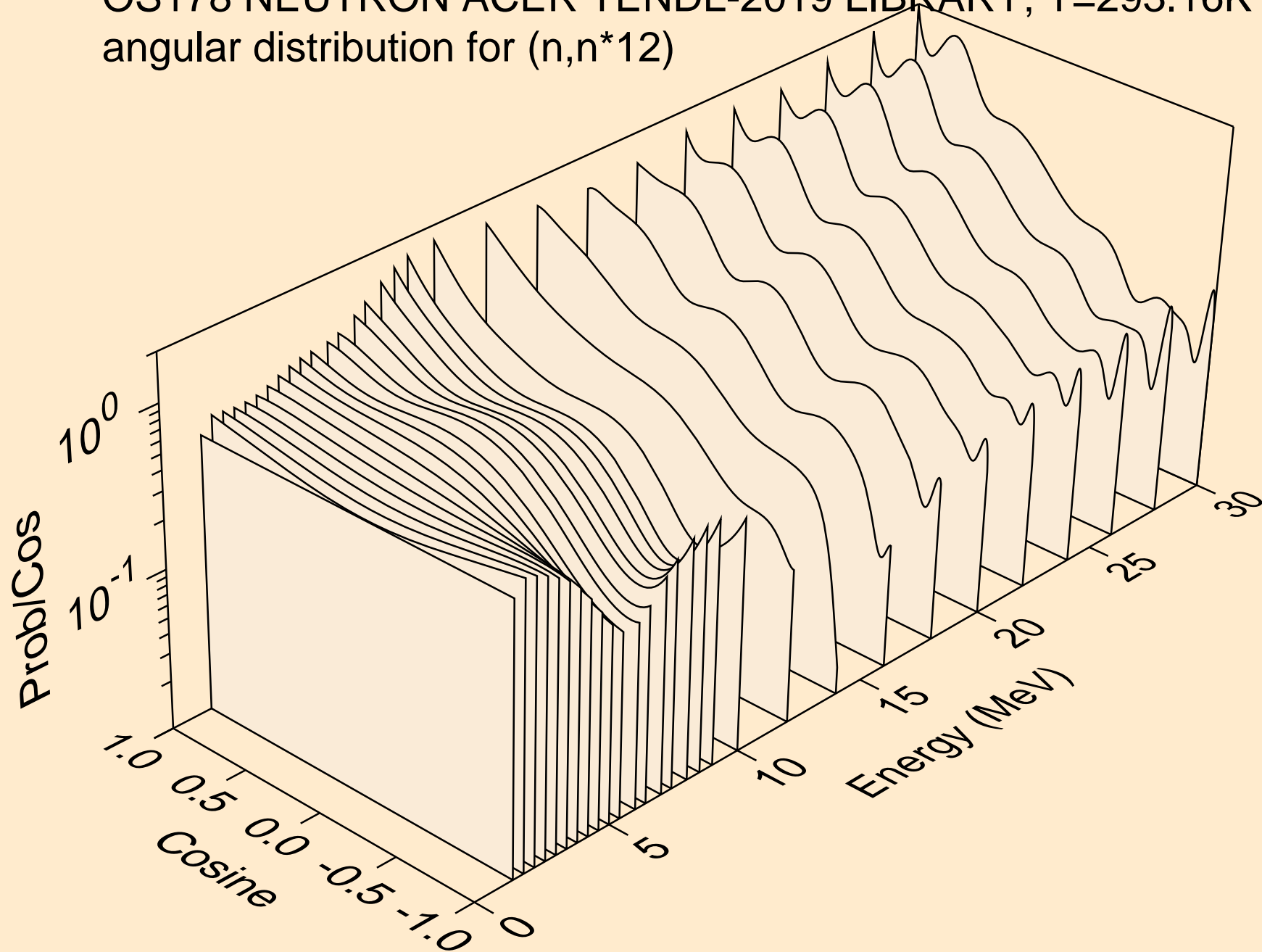
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*10)



OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*11)

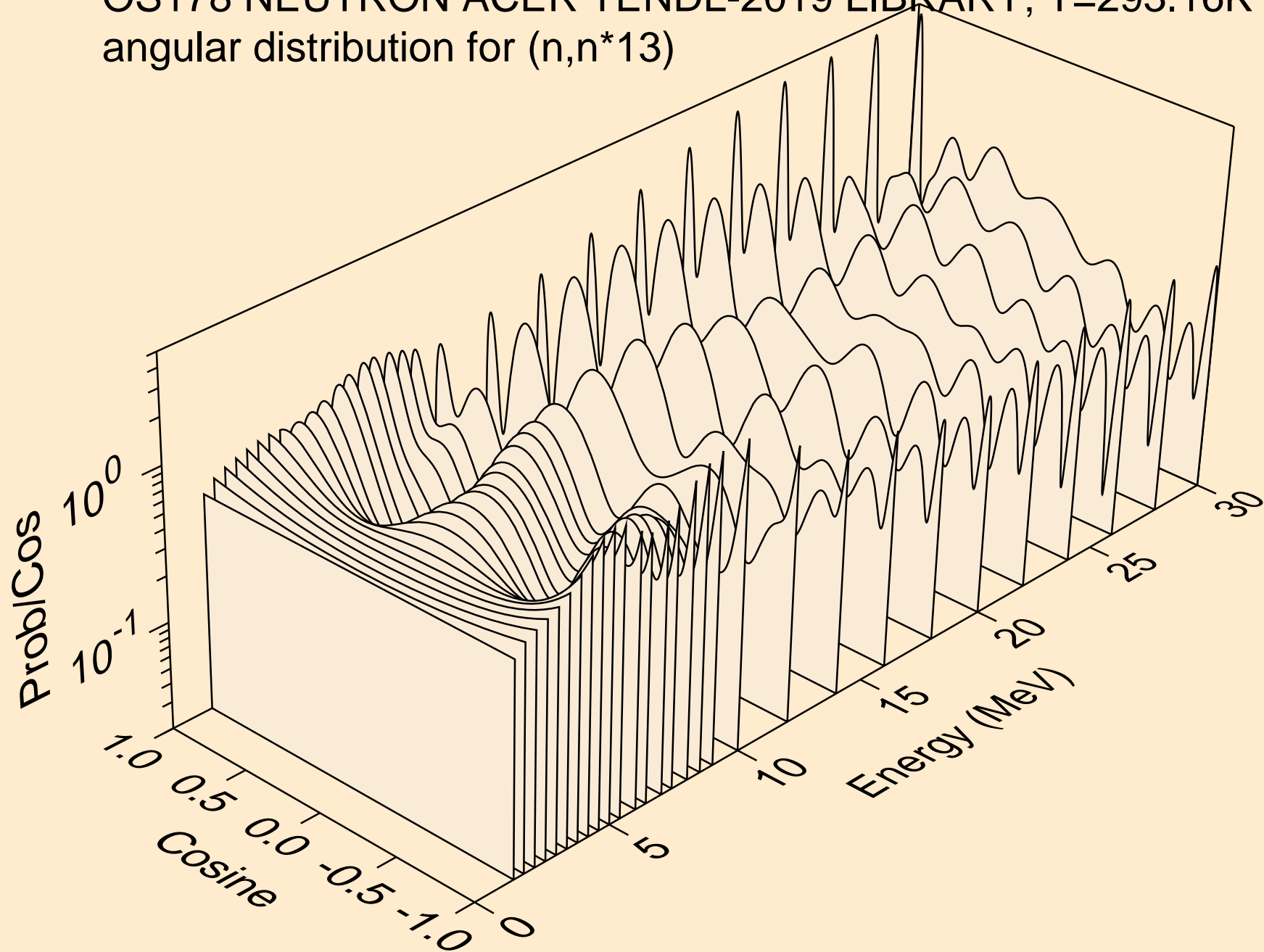


OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*12)

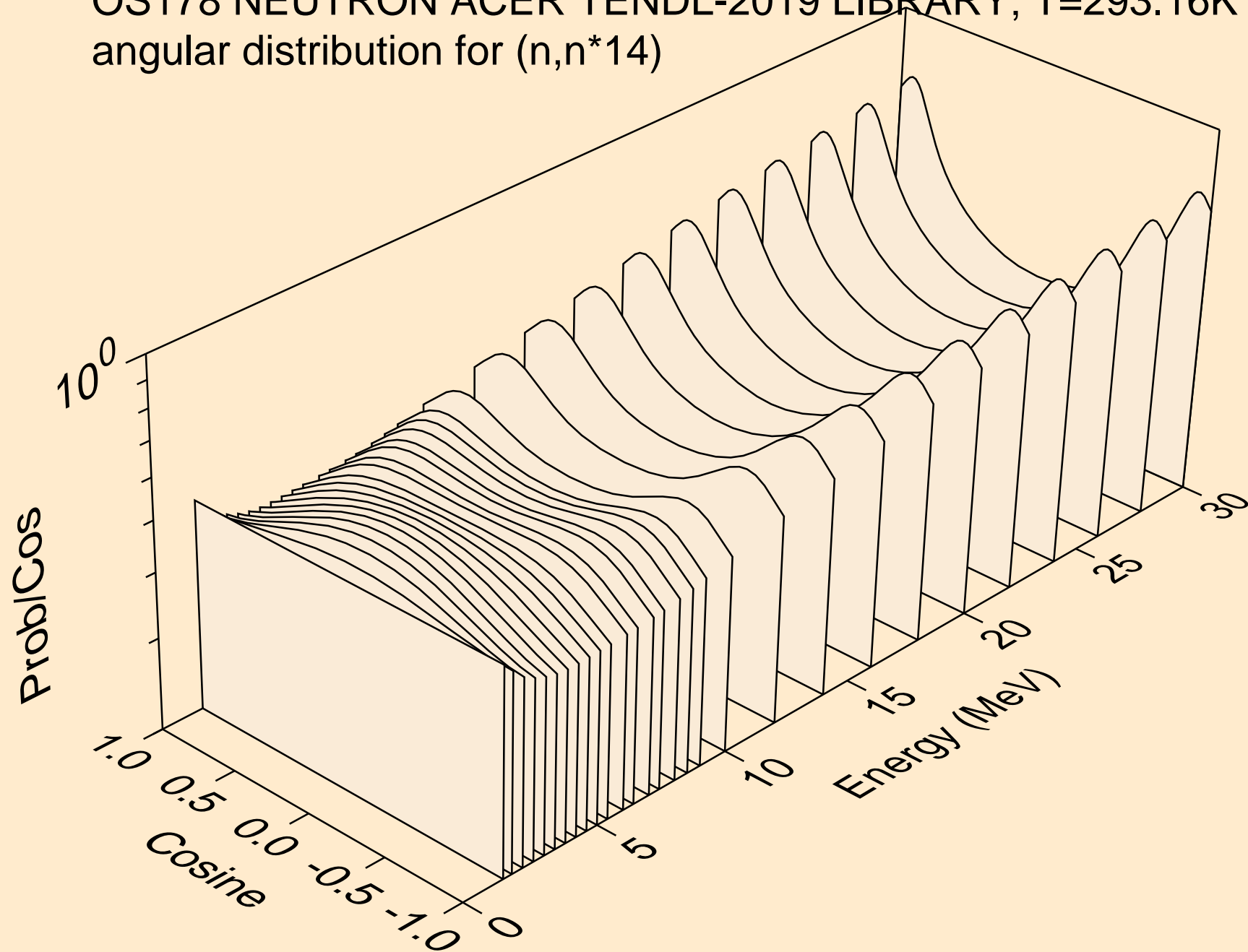




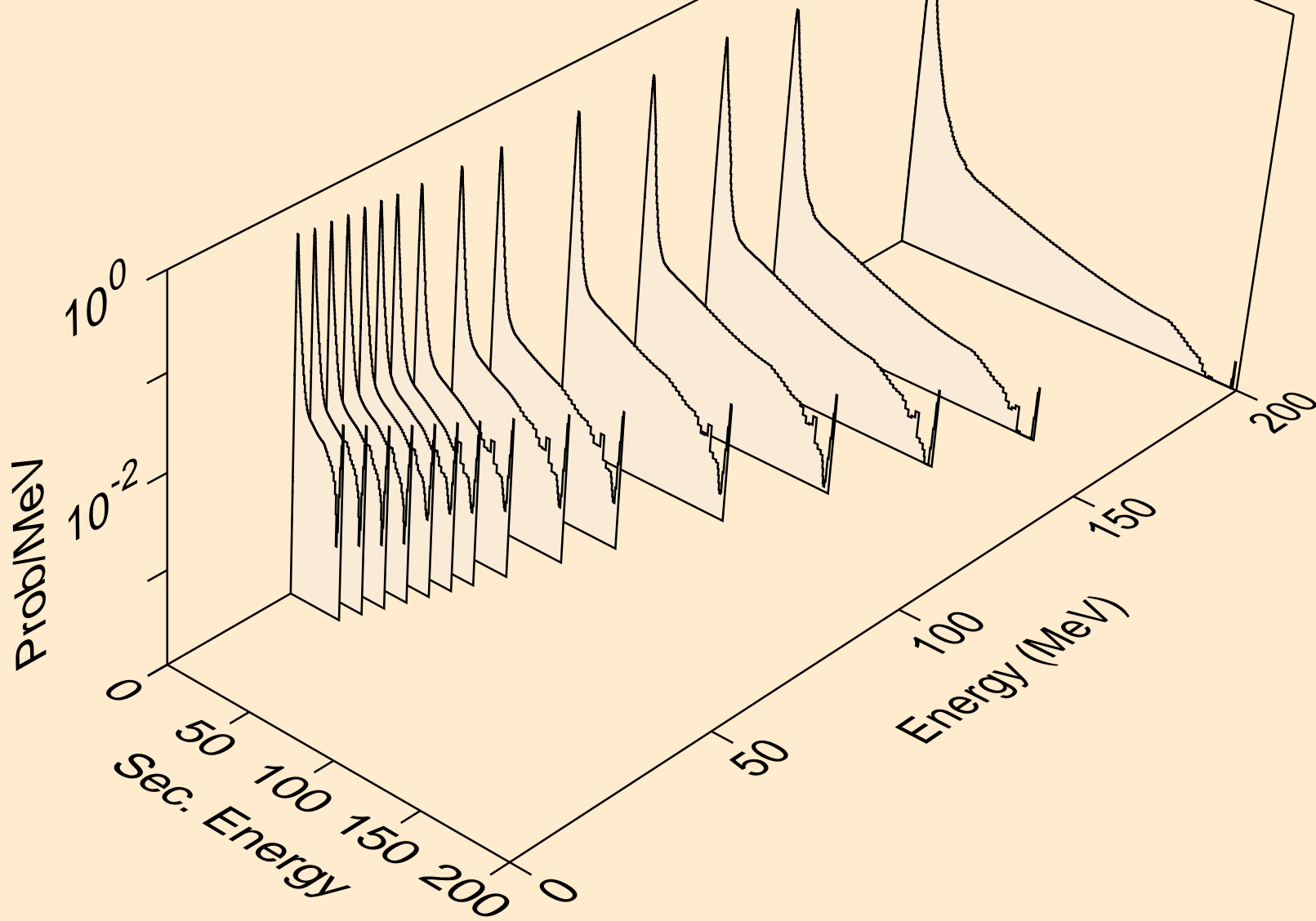
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*13)



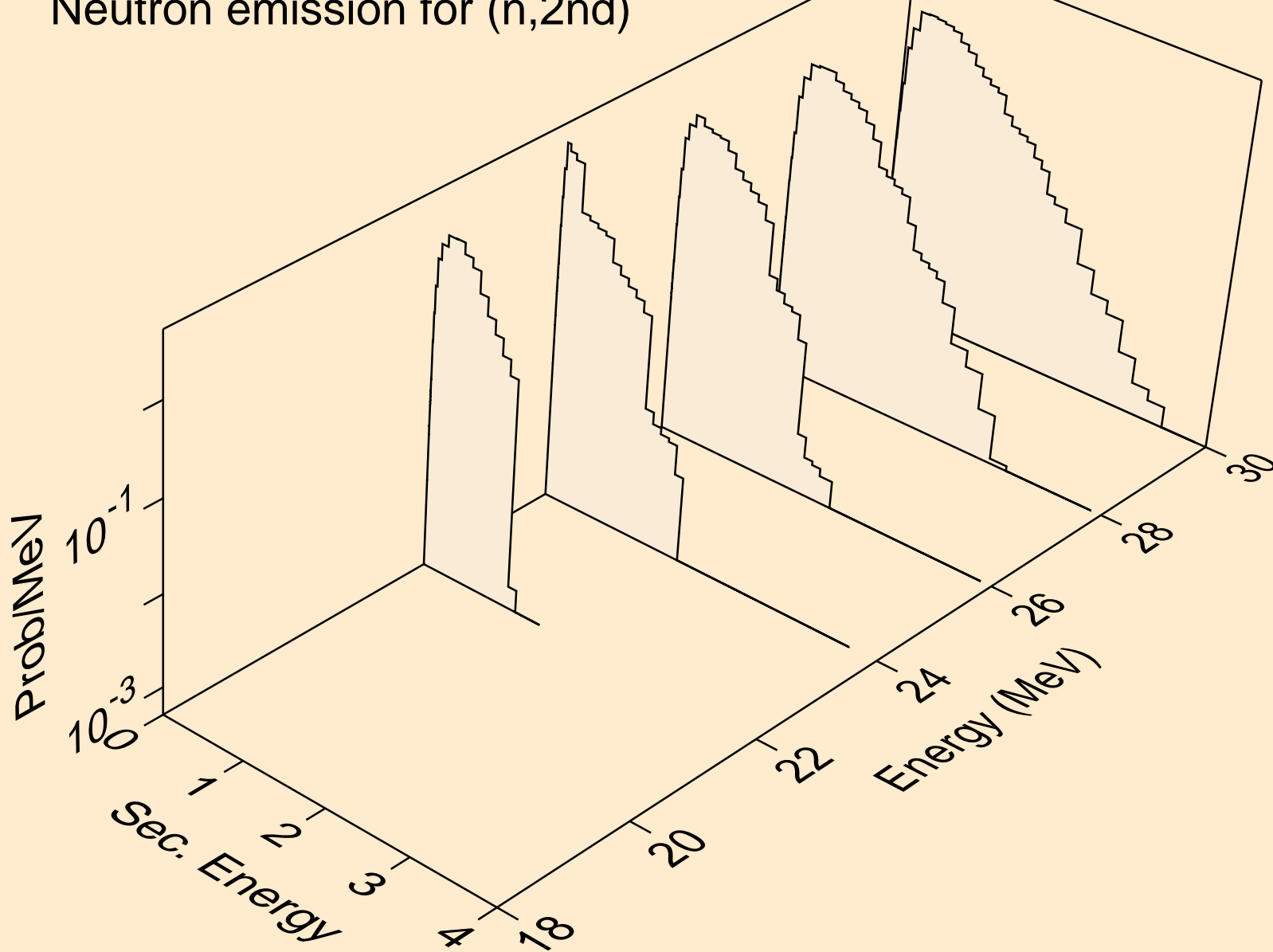
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*14)



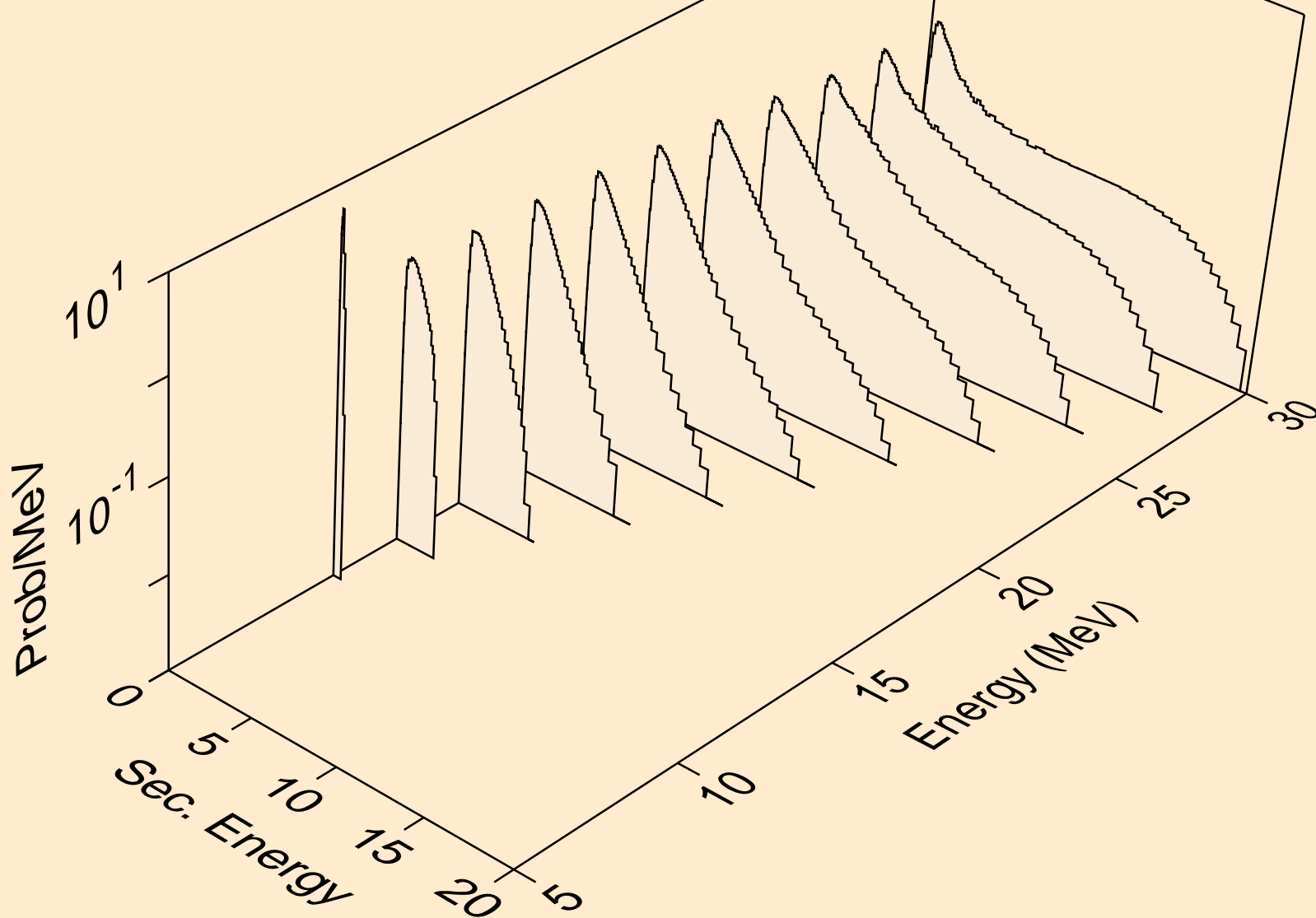
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,x)



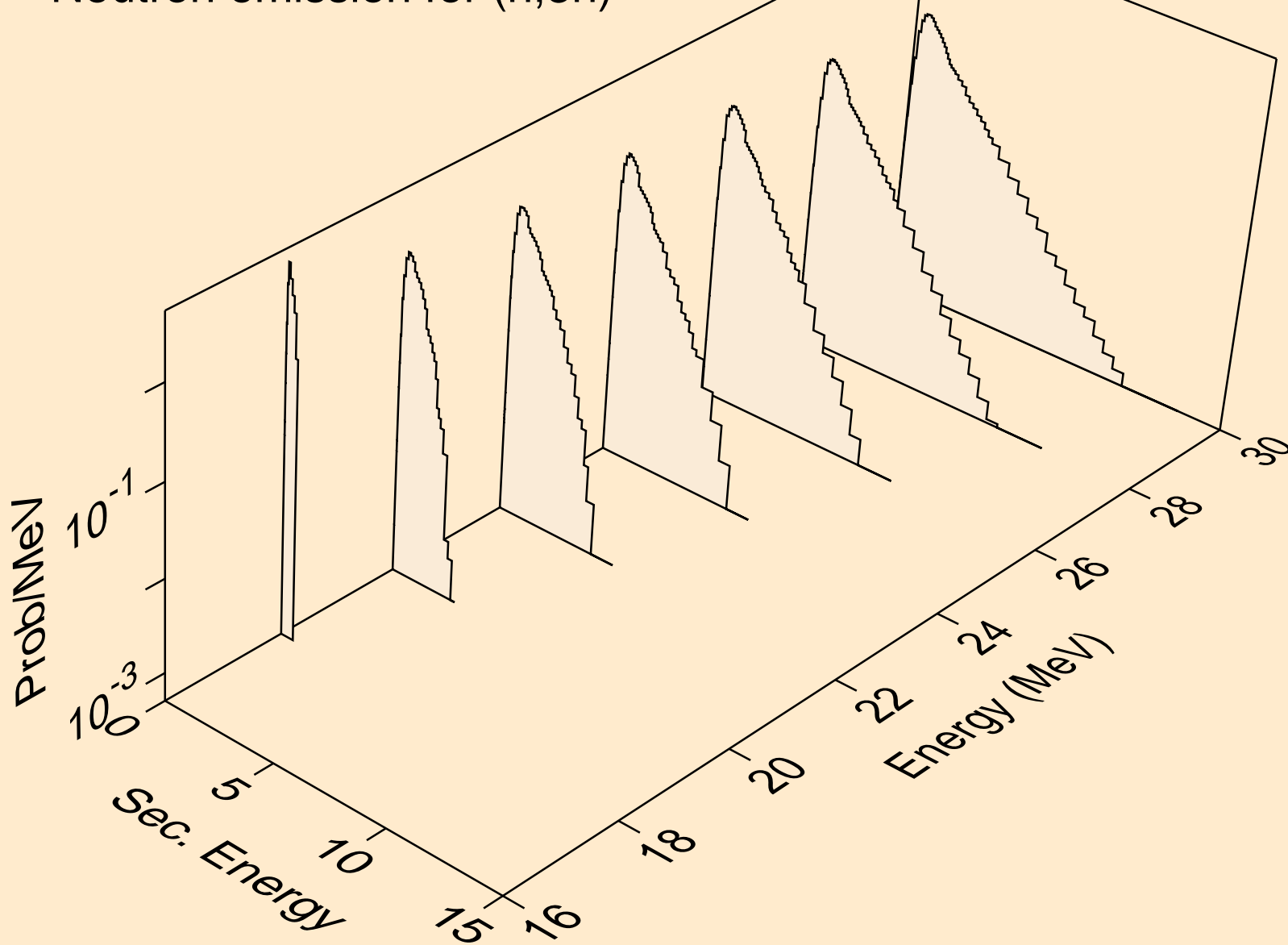
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2nd)



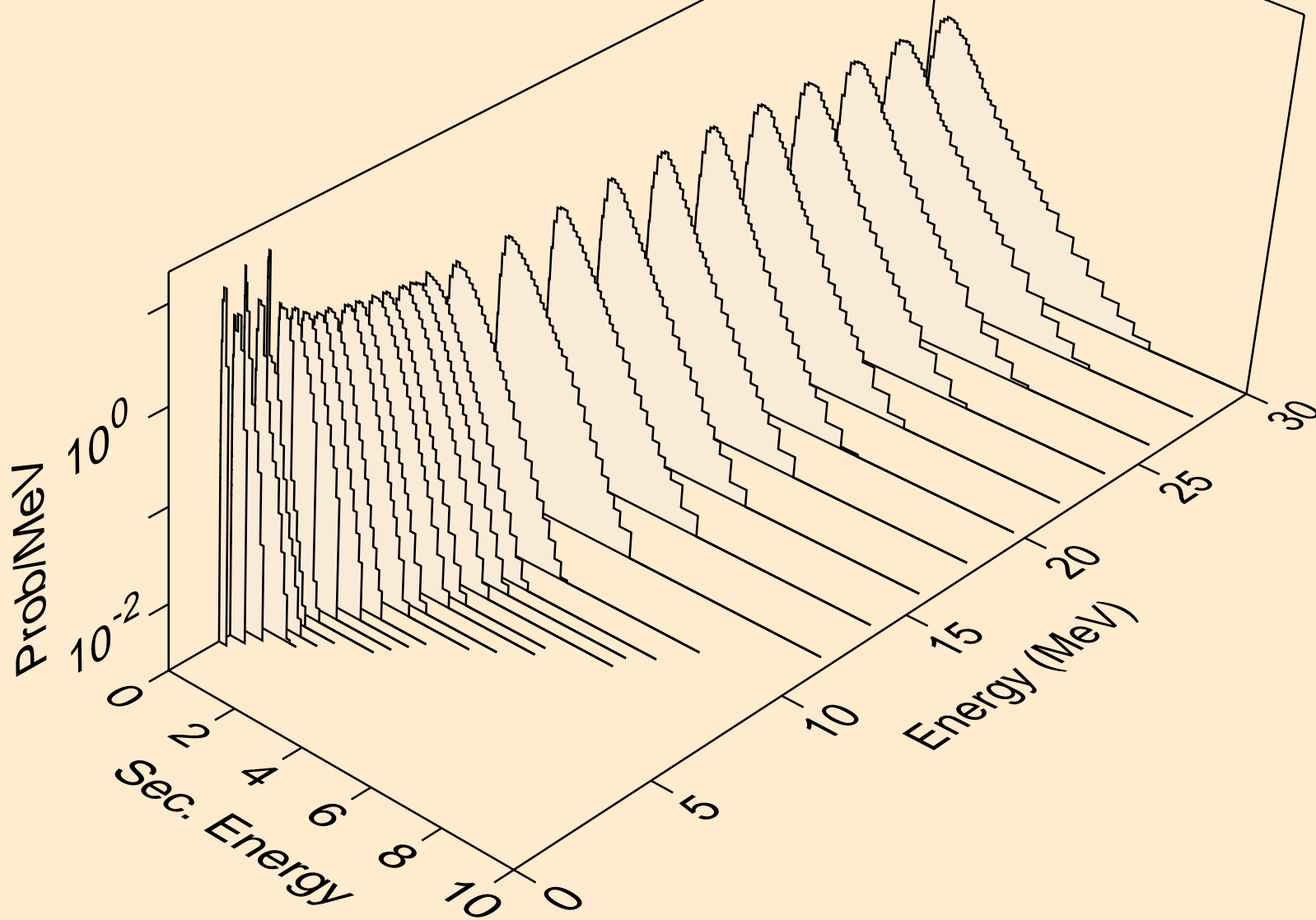
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)



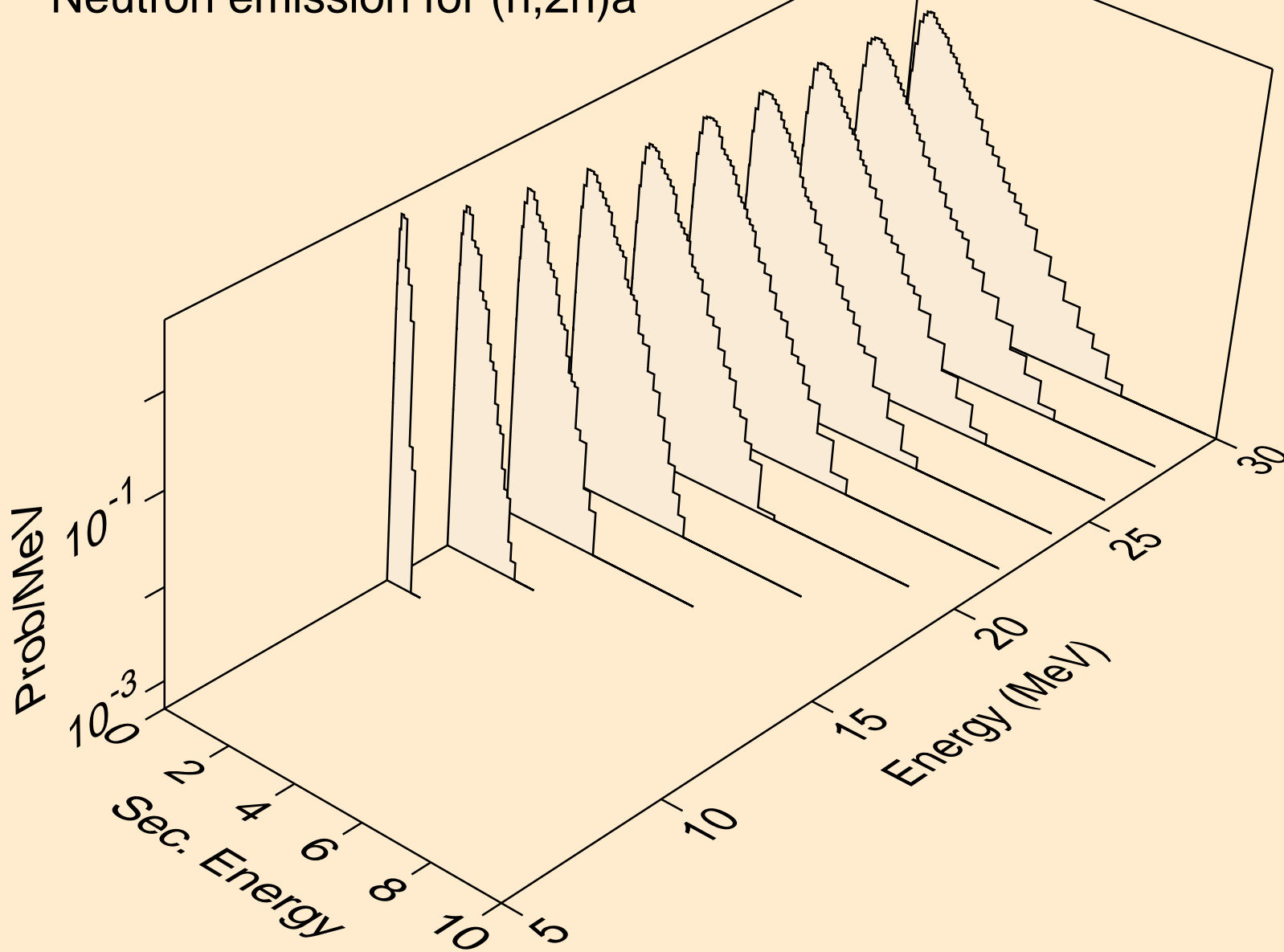
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)



OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)a

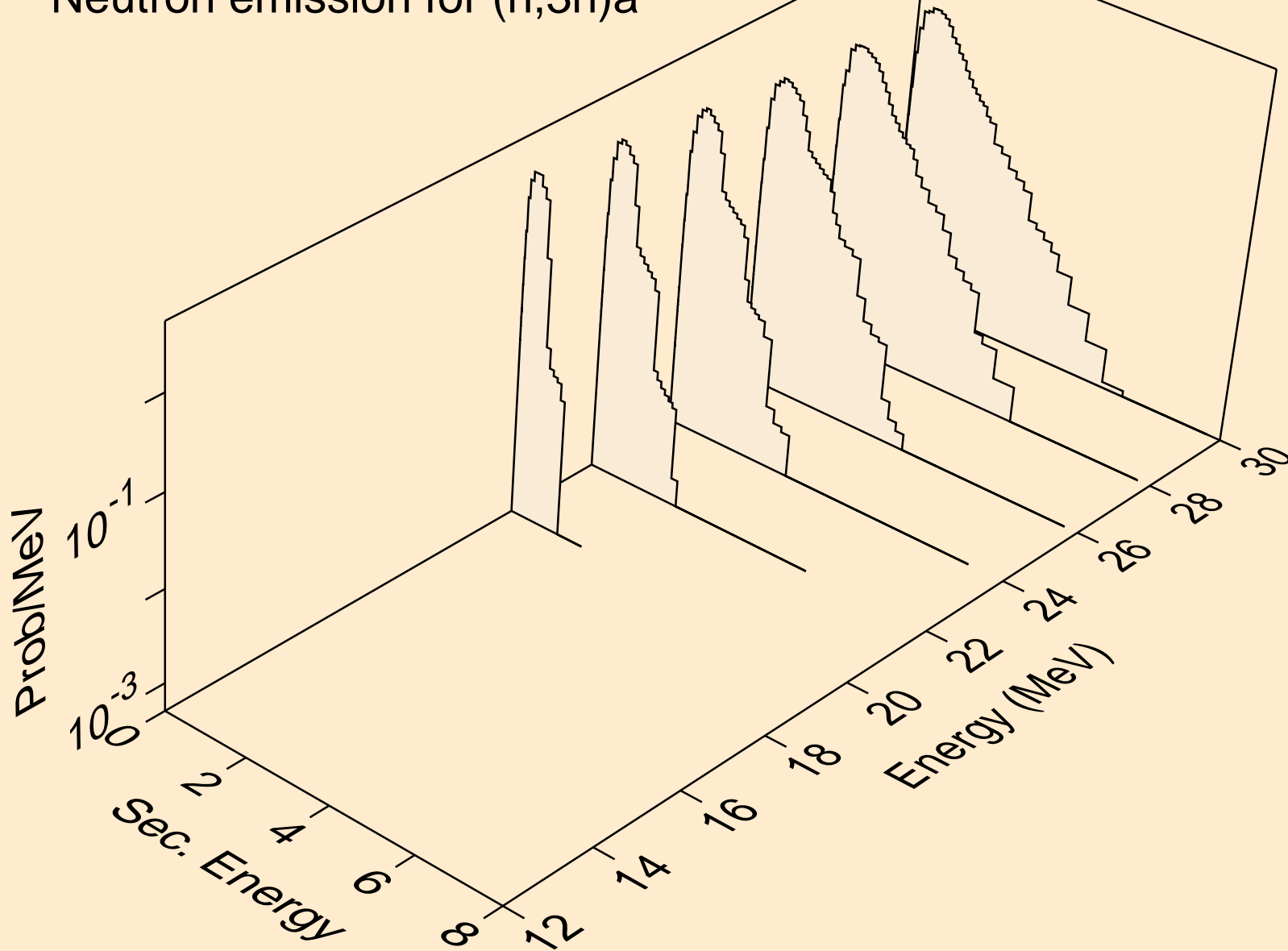


OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)a

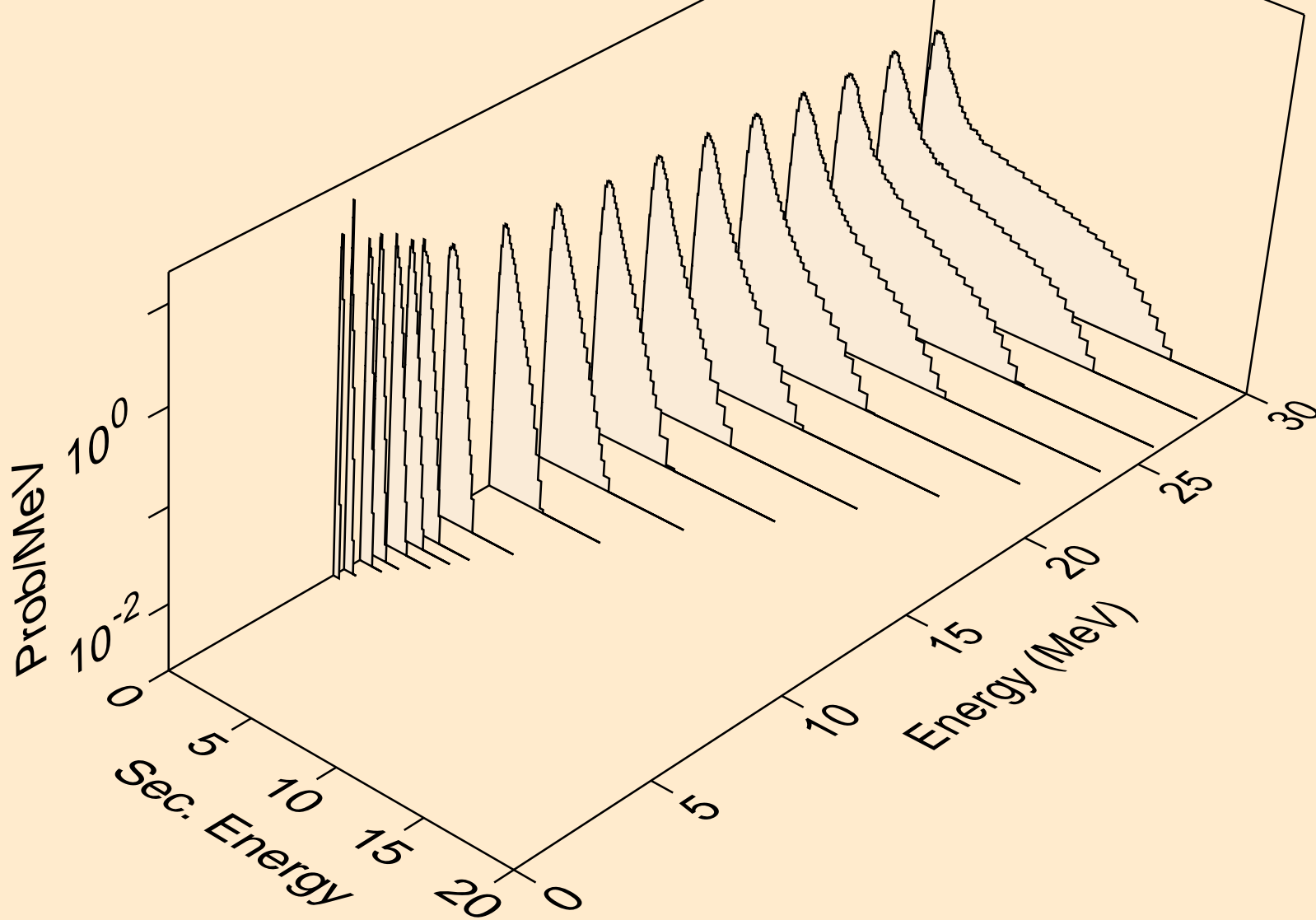




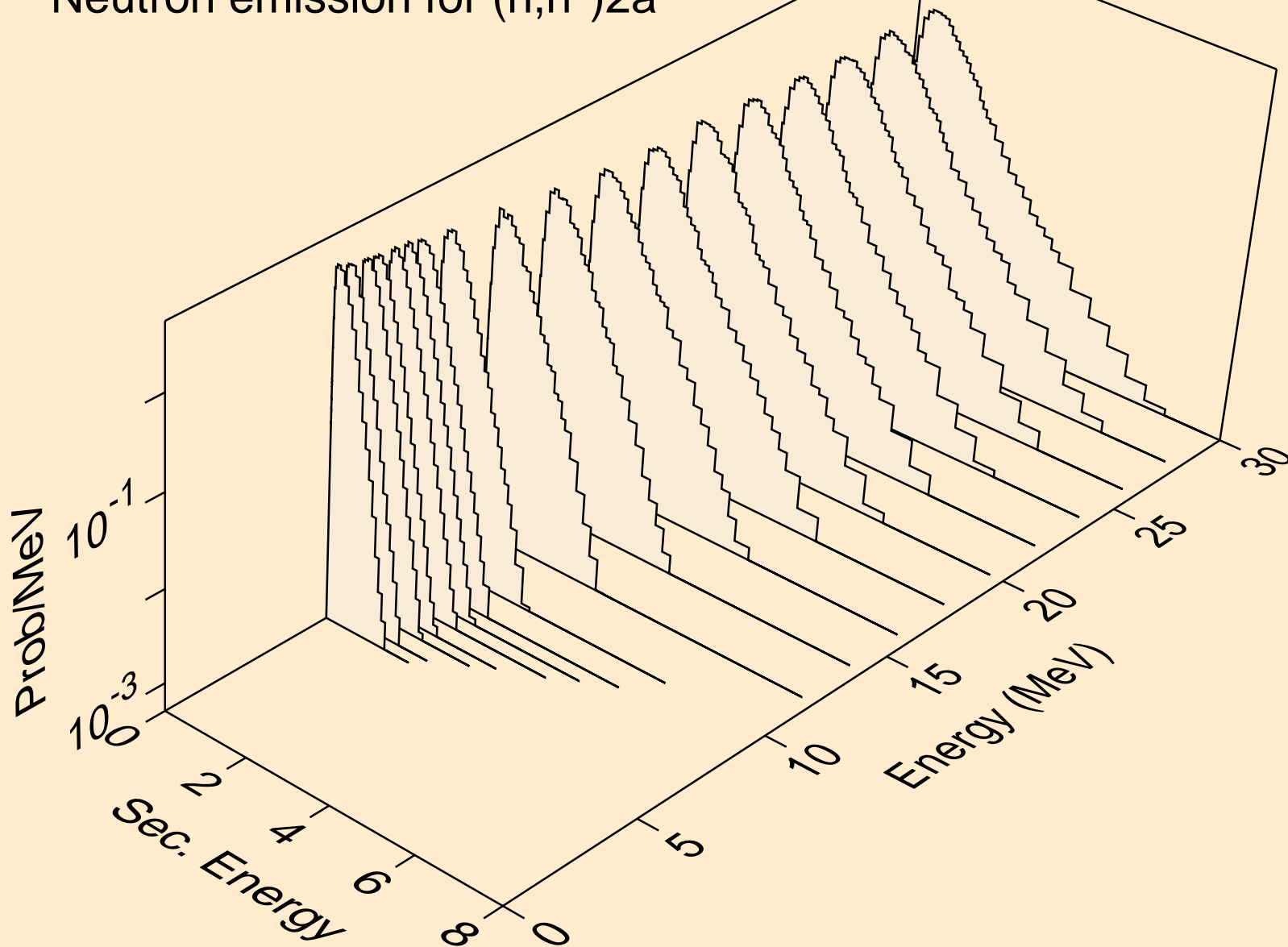
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)a



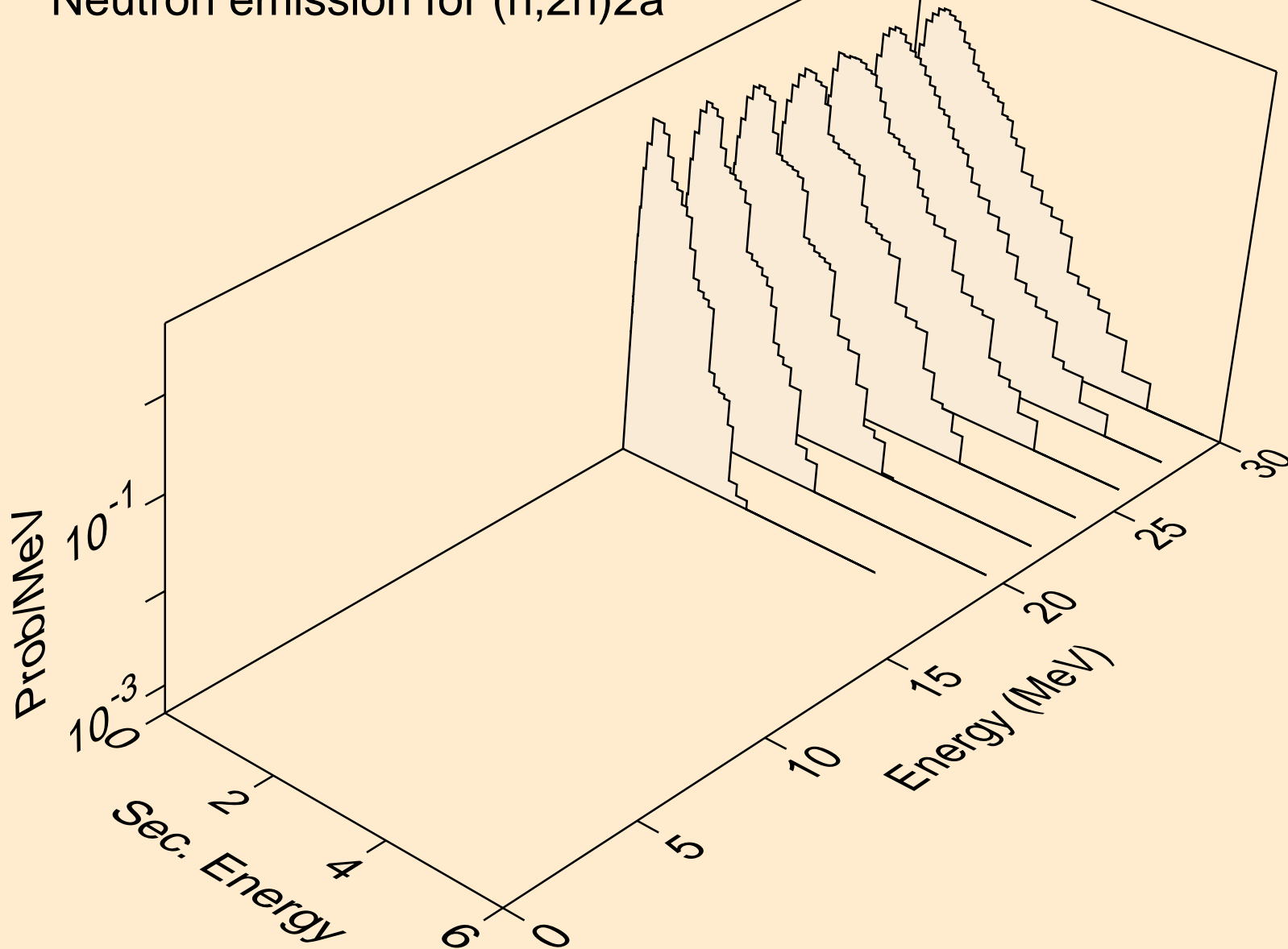
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)p



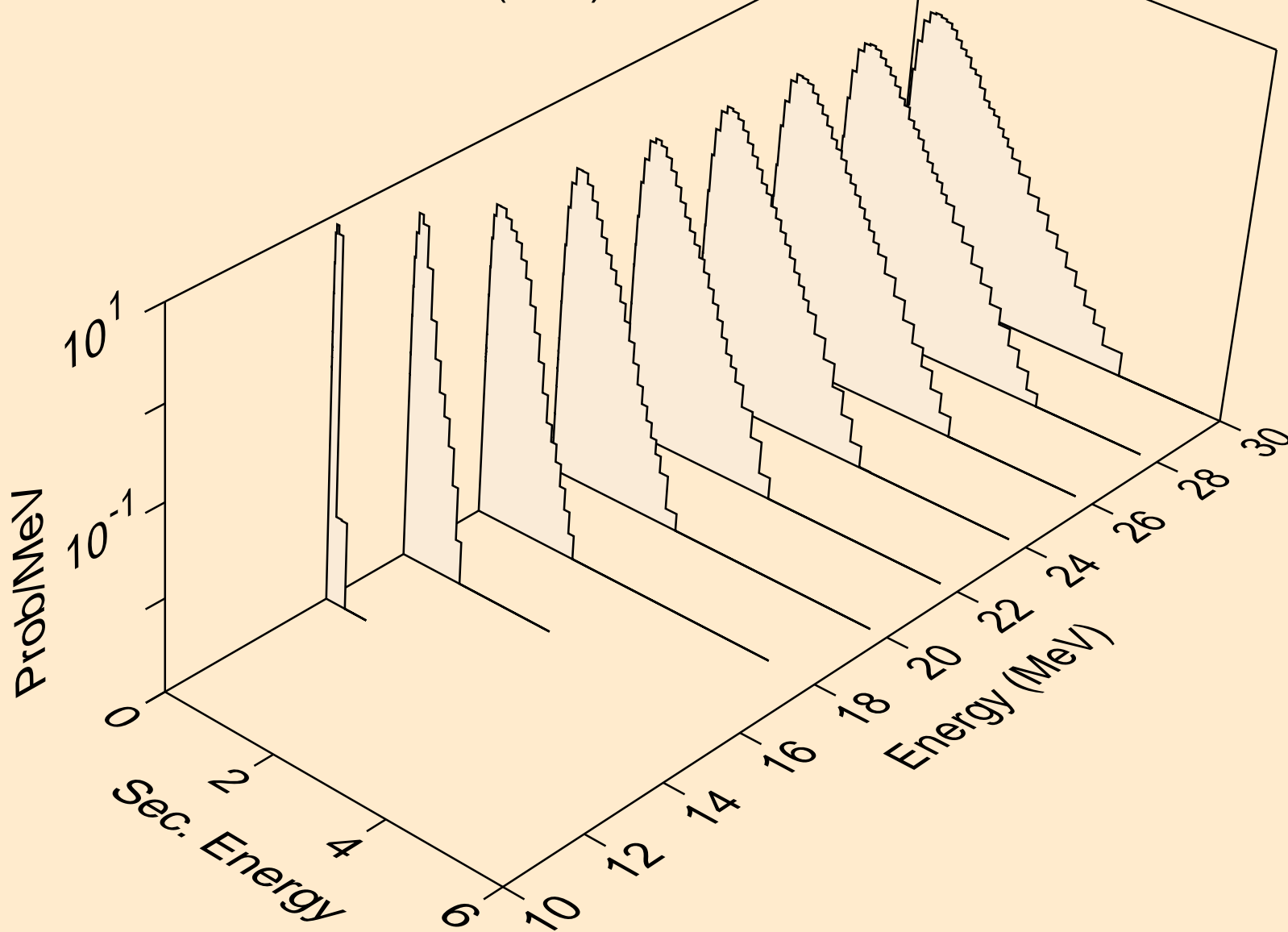
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)2a



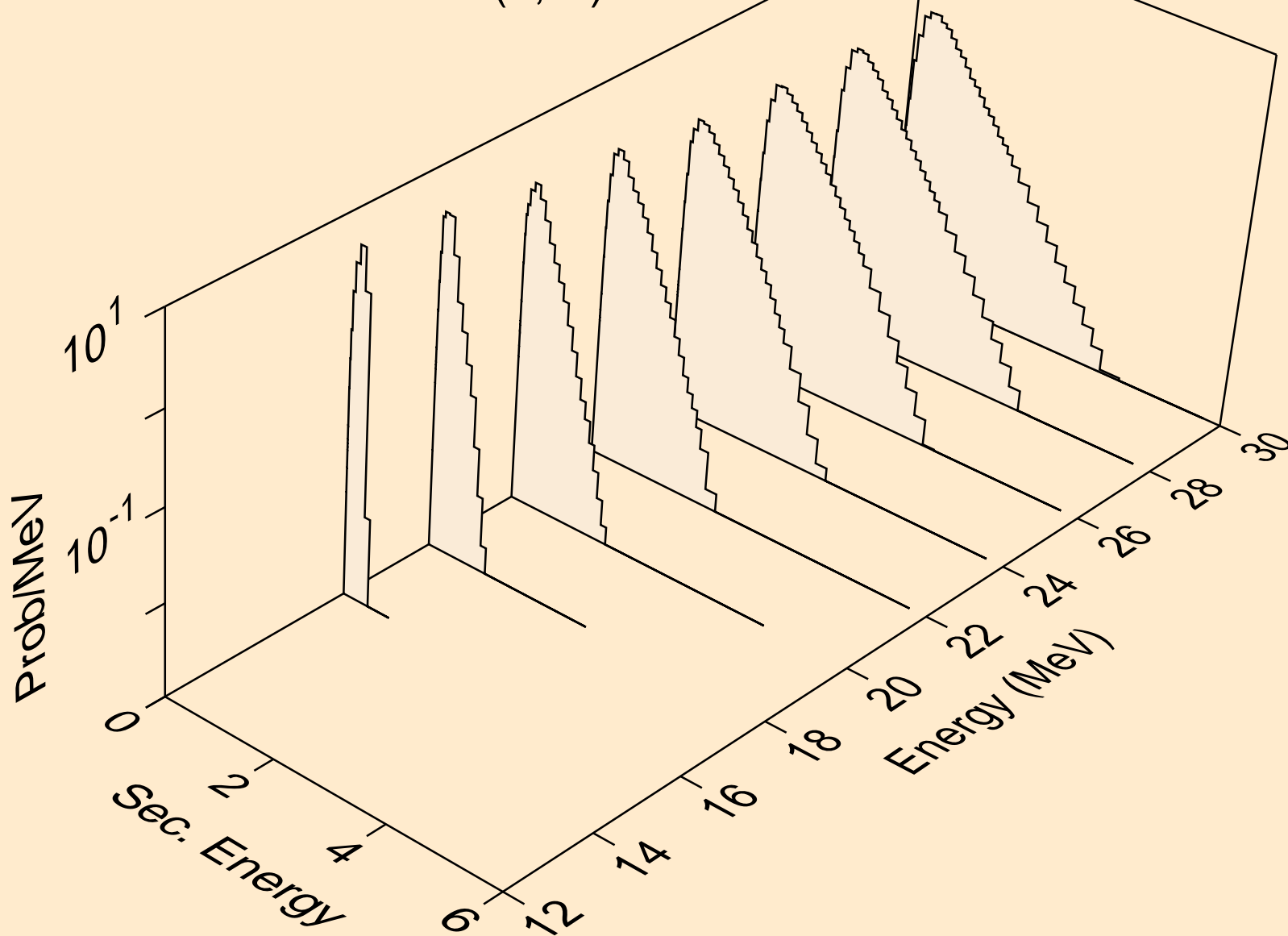
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)2a



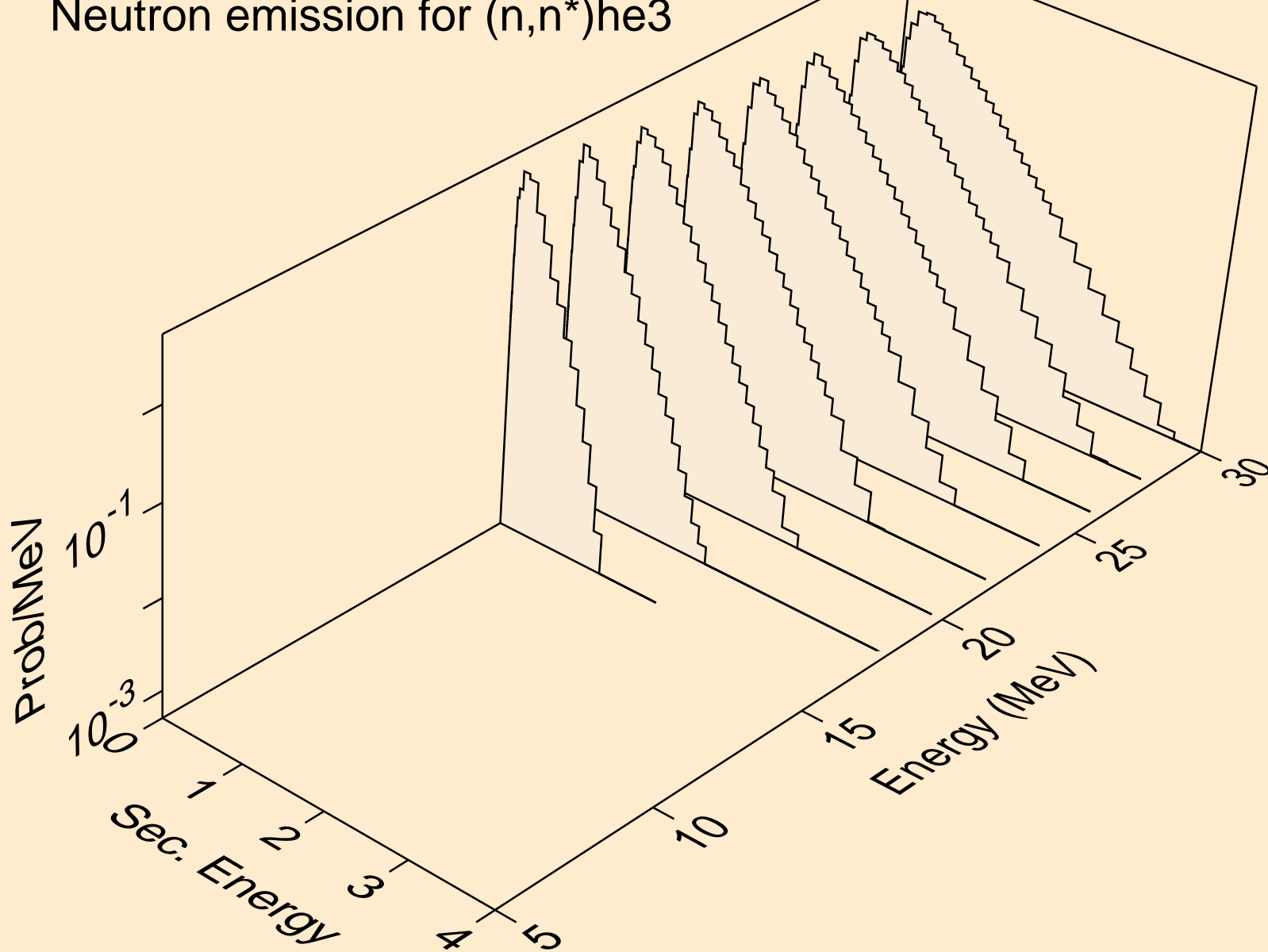
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)d



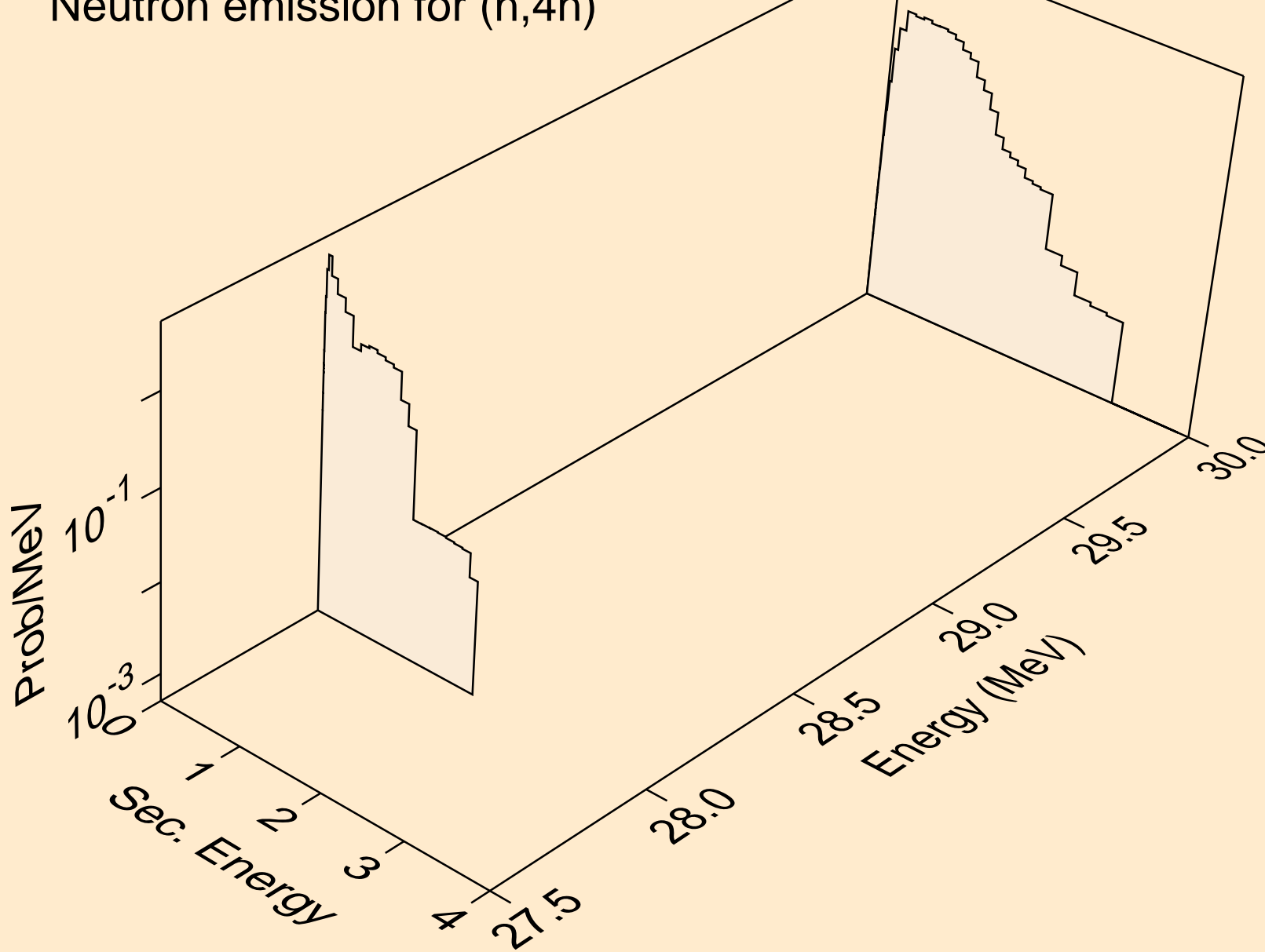
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)t



OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)he3

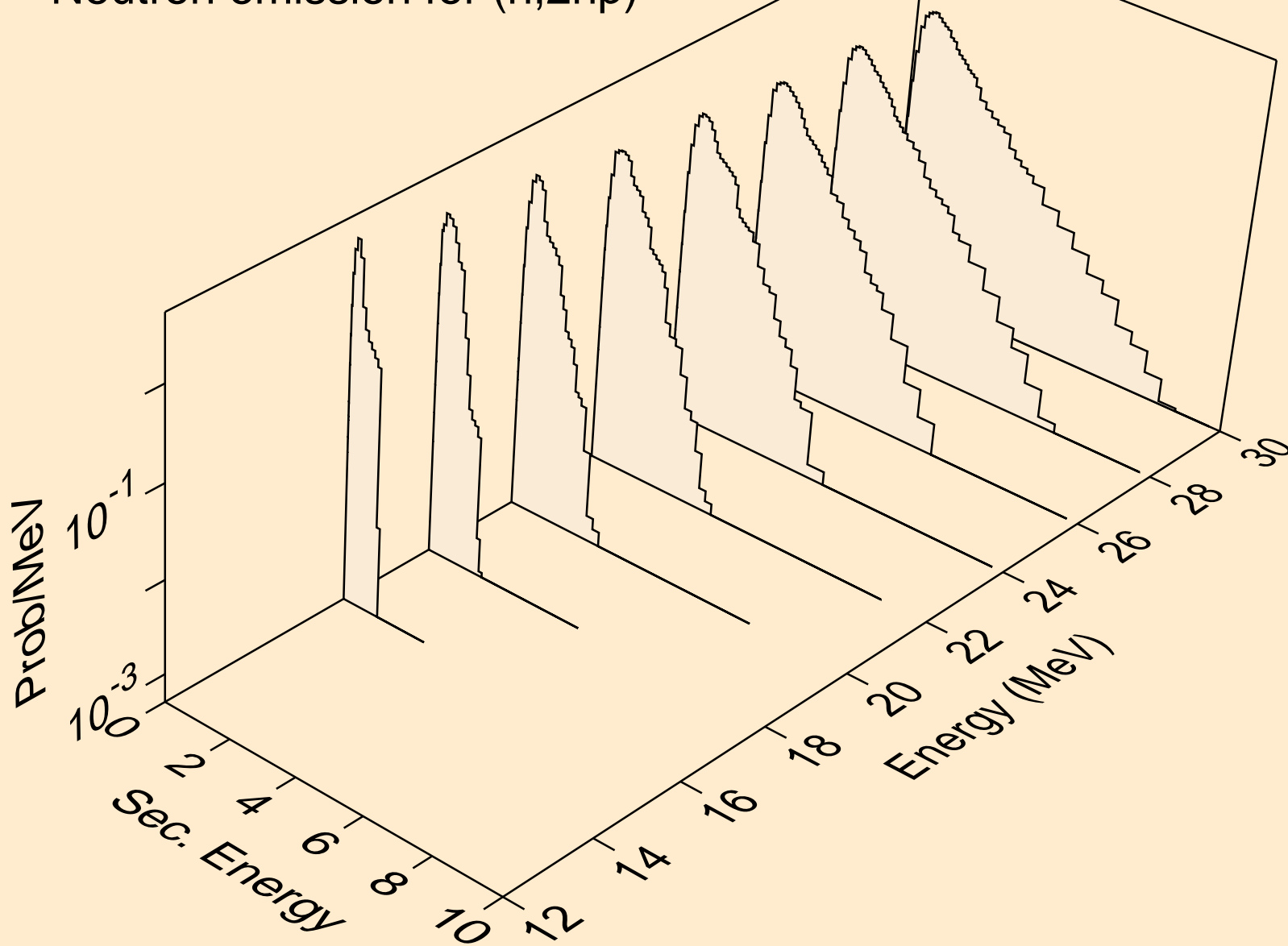


OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,4n)

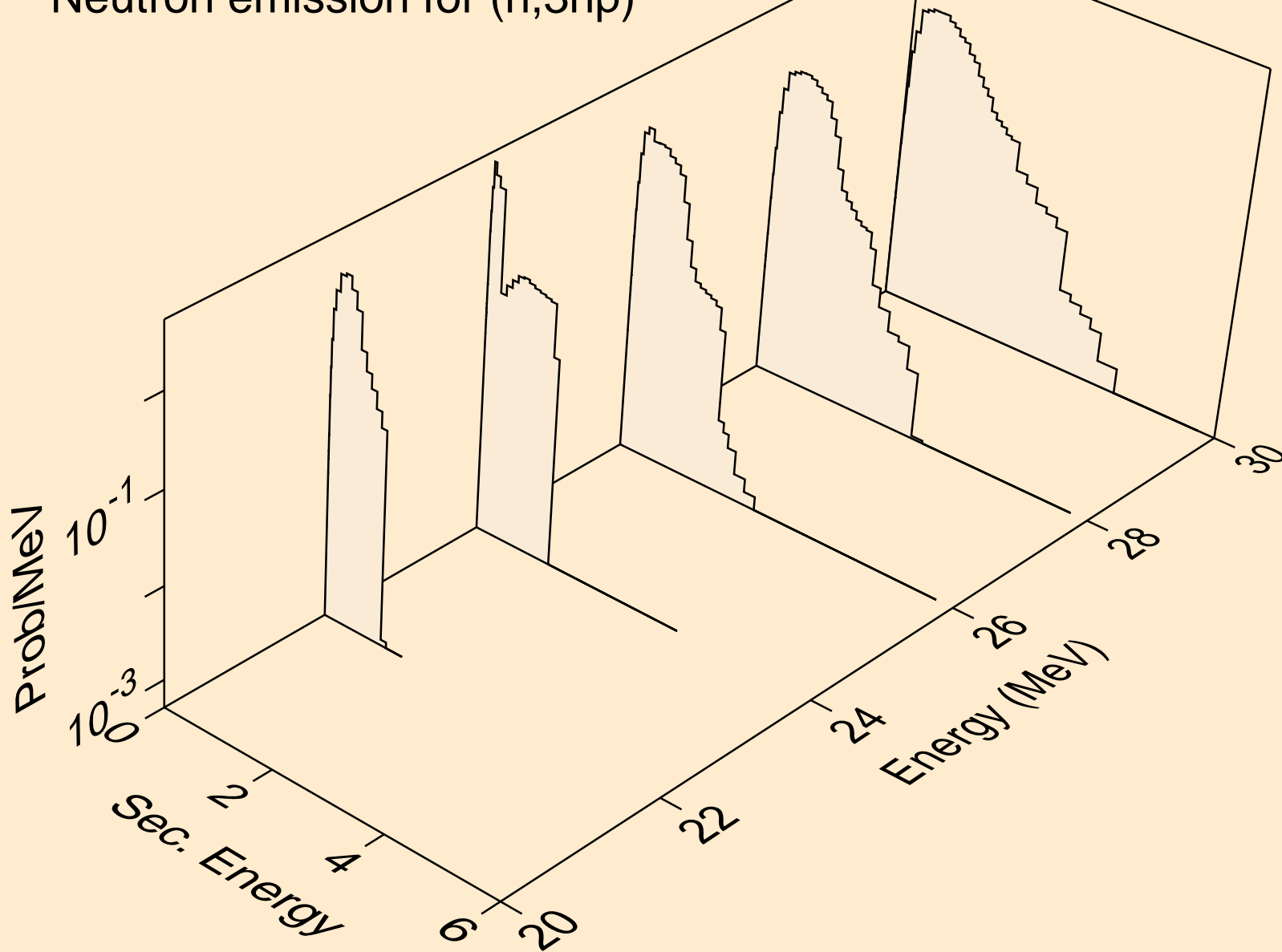




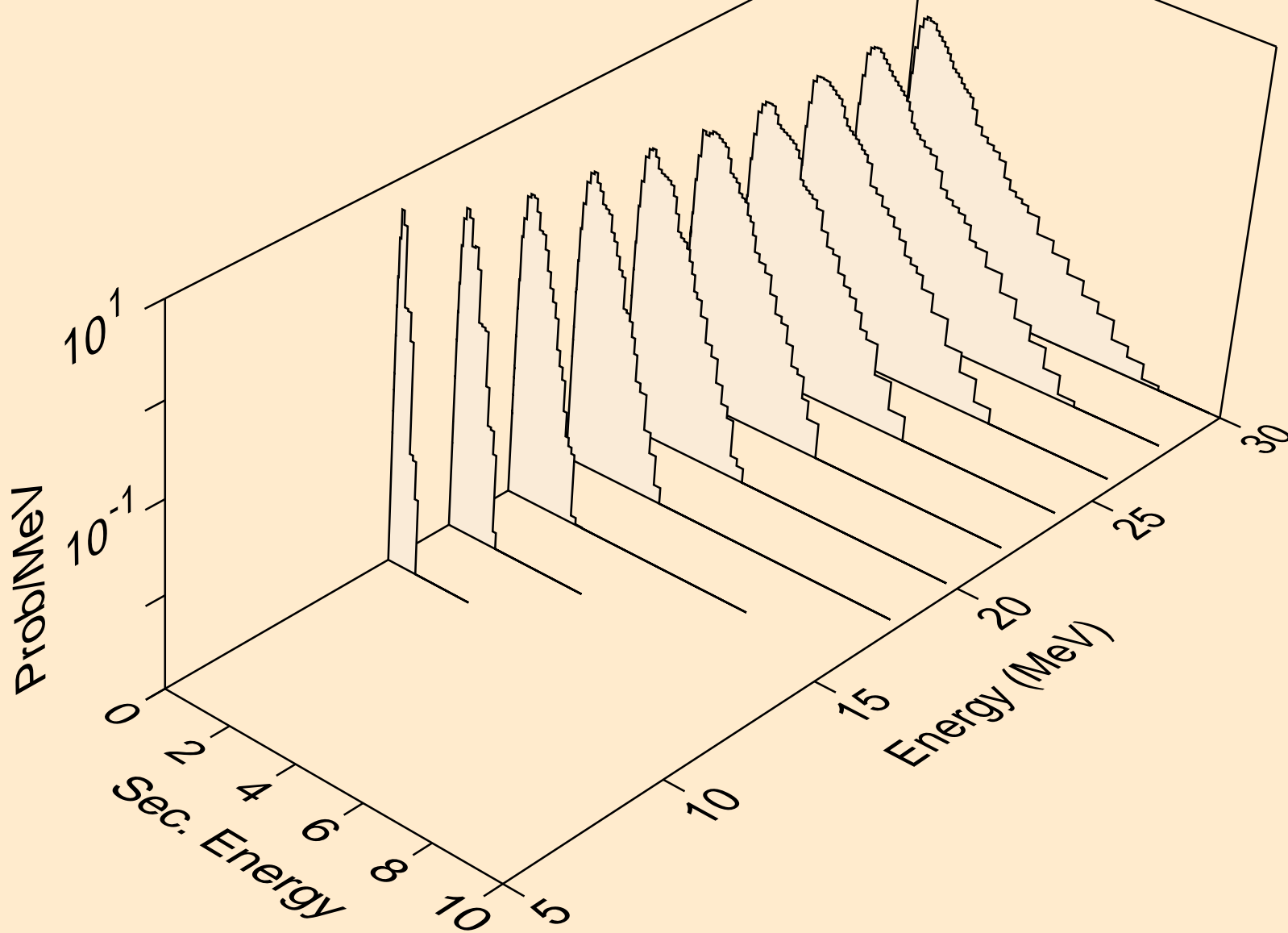
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2np)



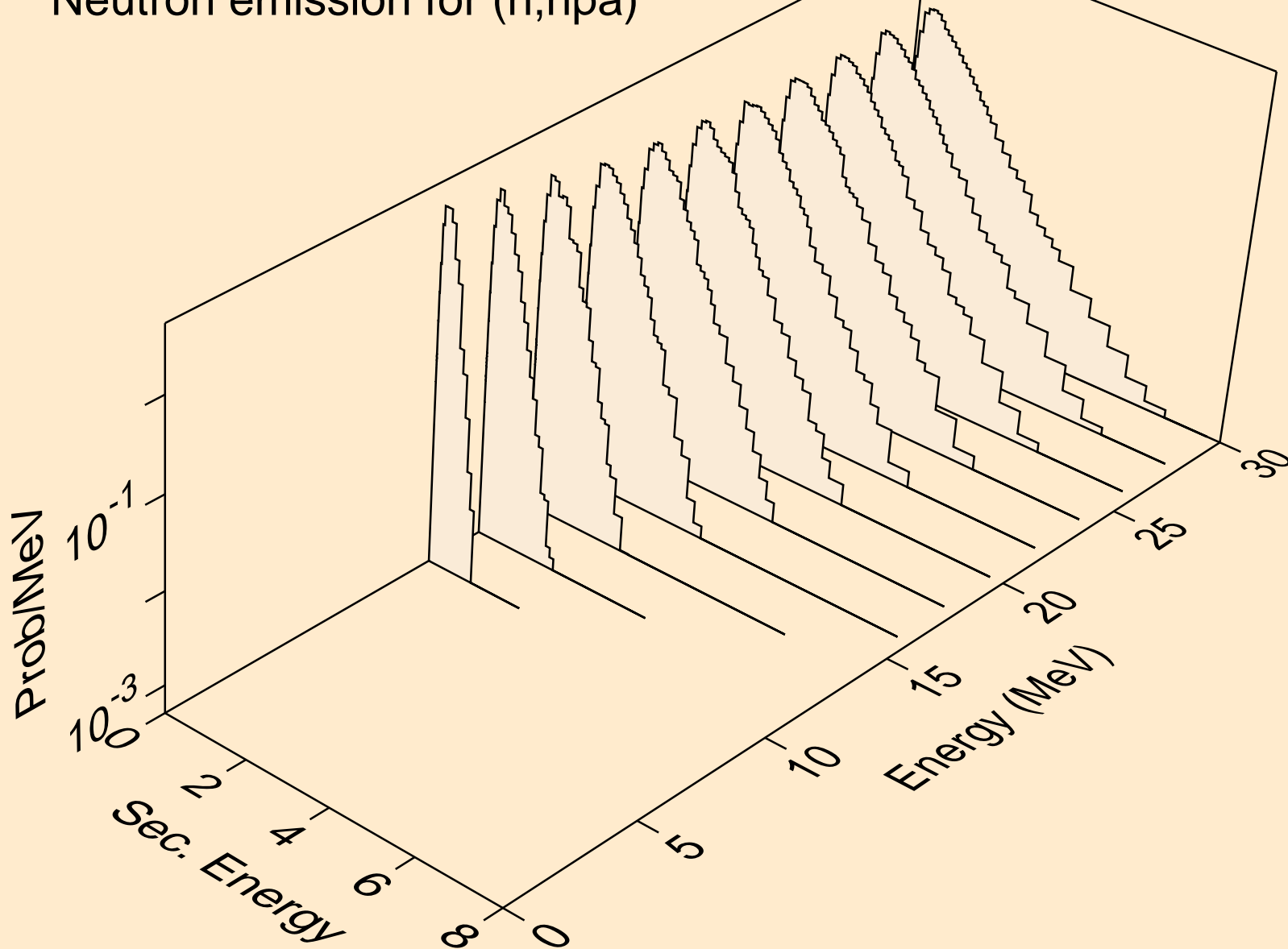
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3np)



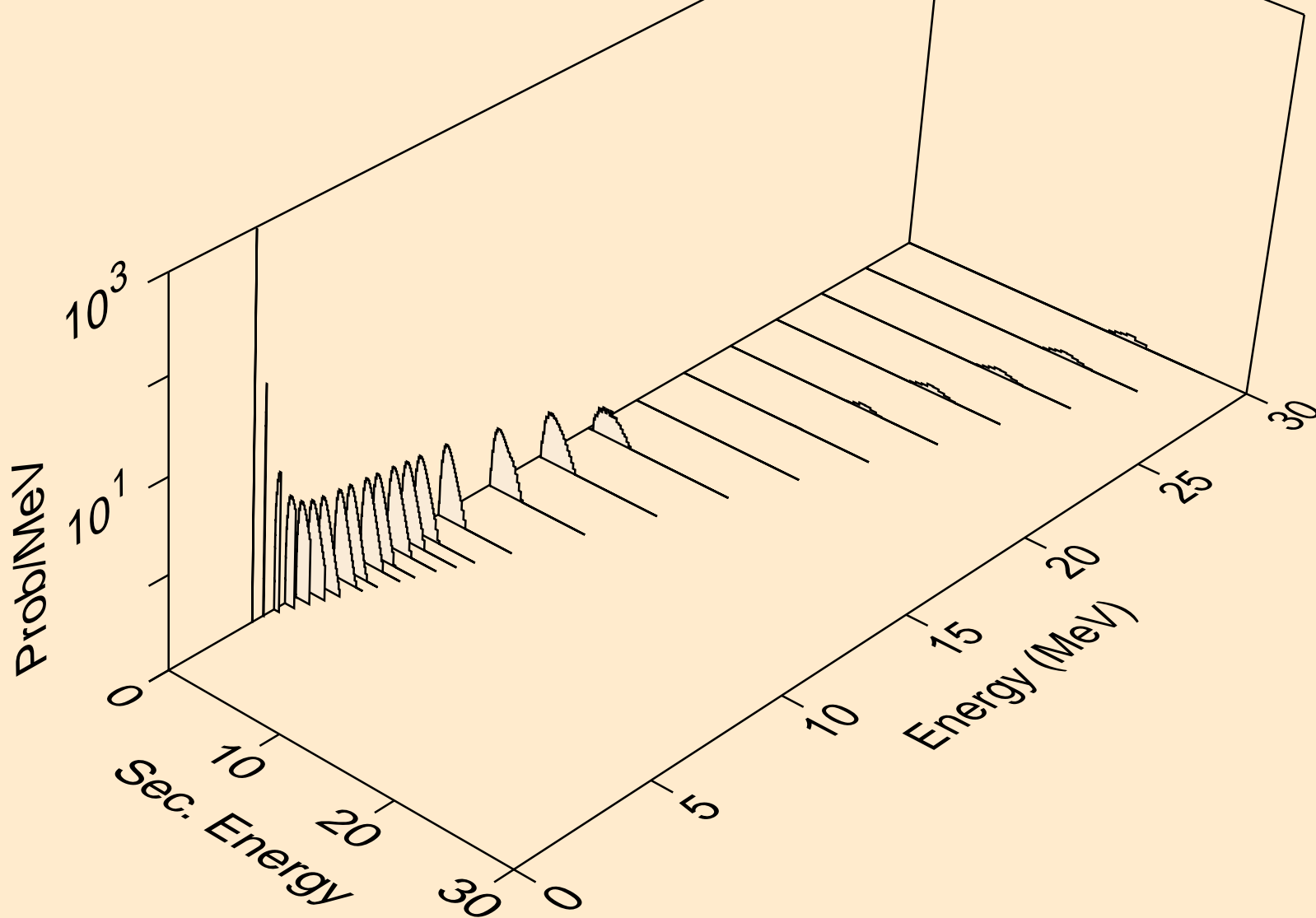
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2np)



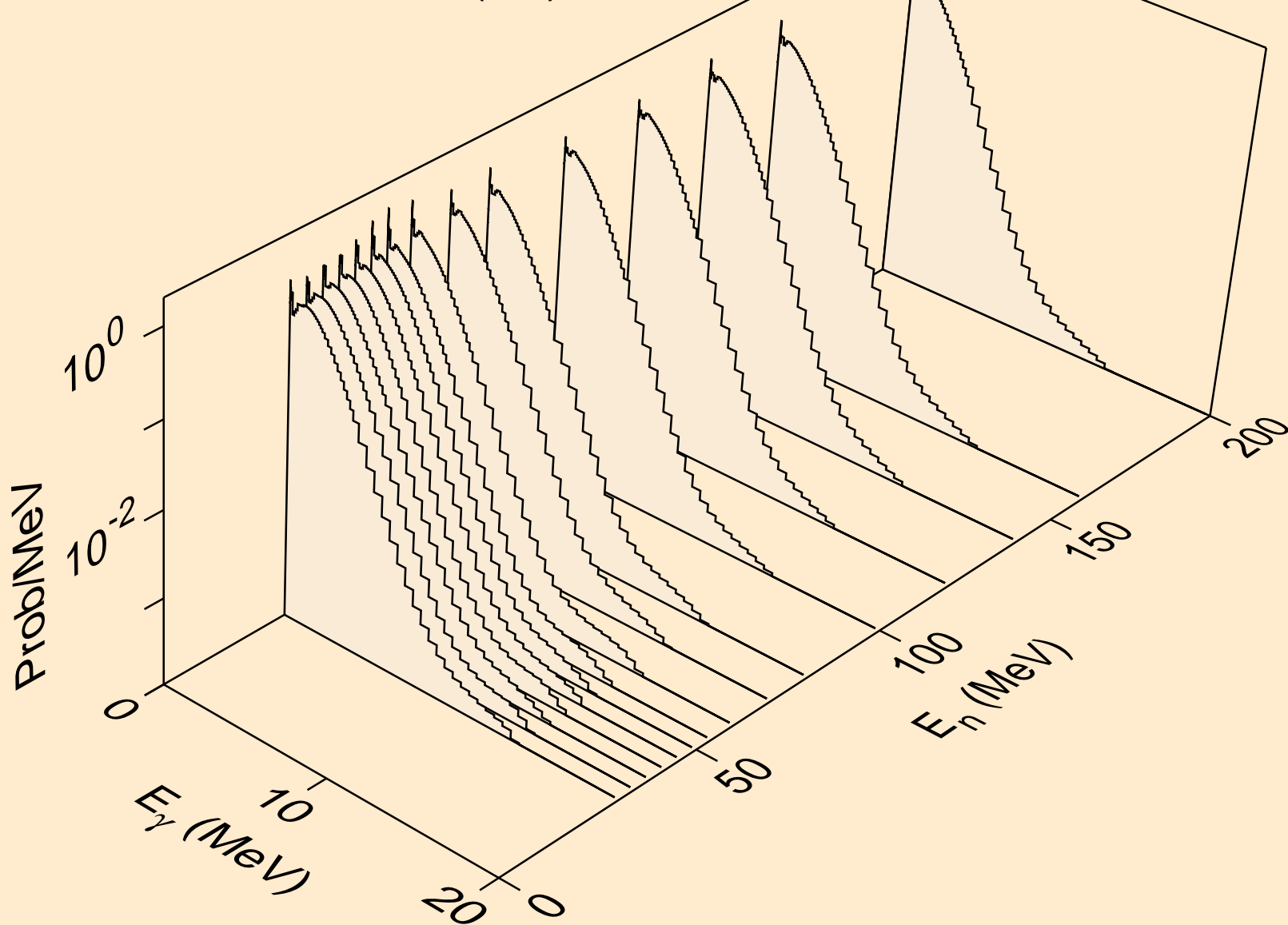
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,npa)



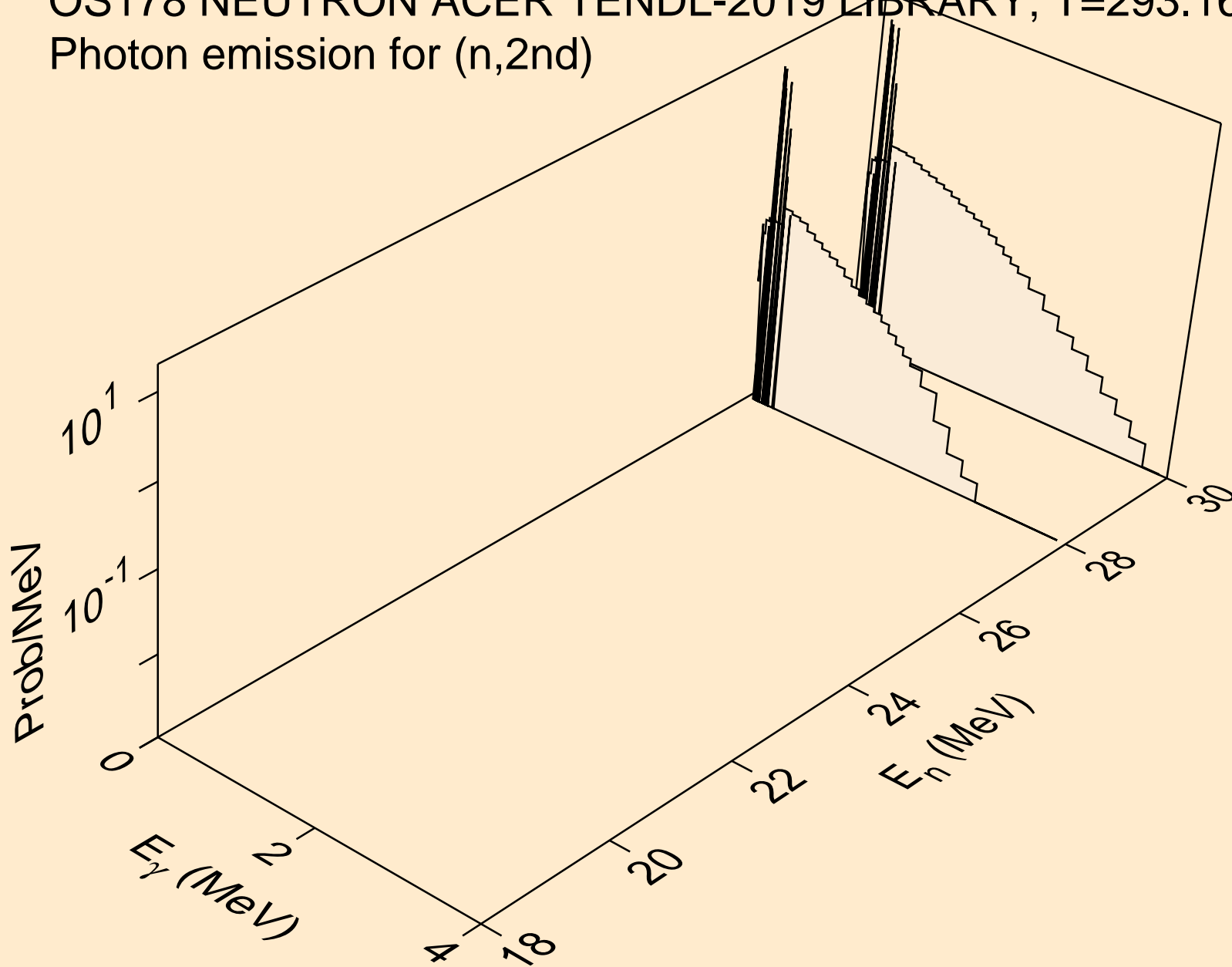
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*c)



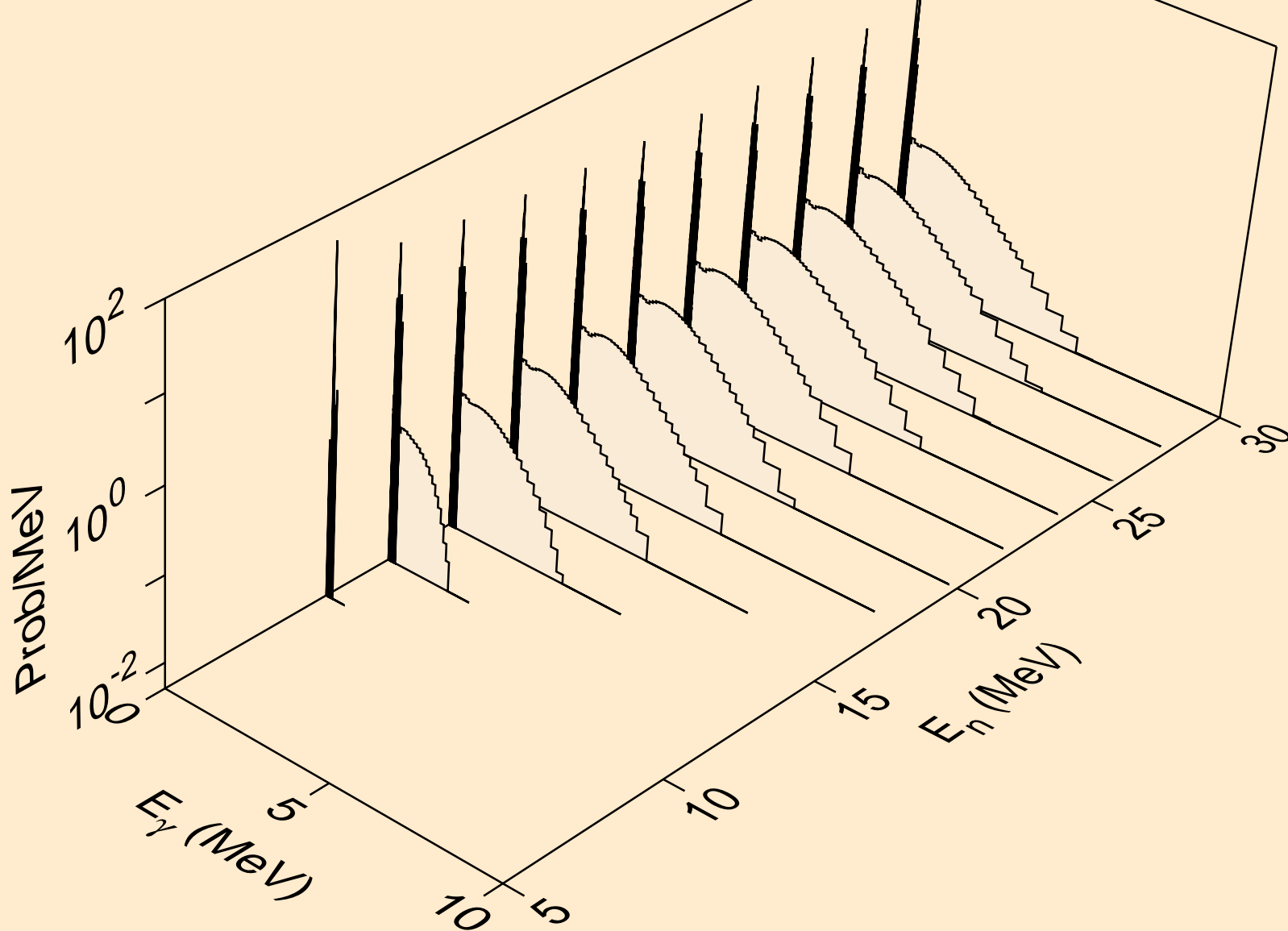
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,x)



OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2nd)

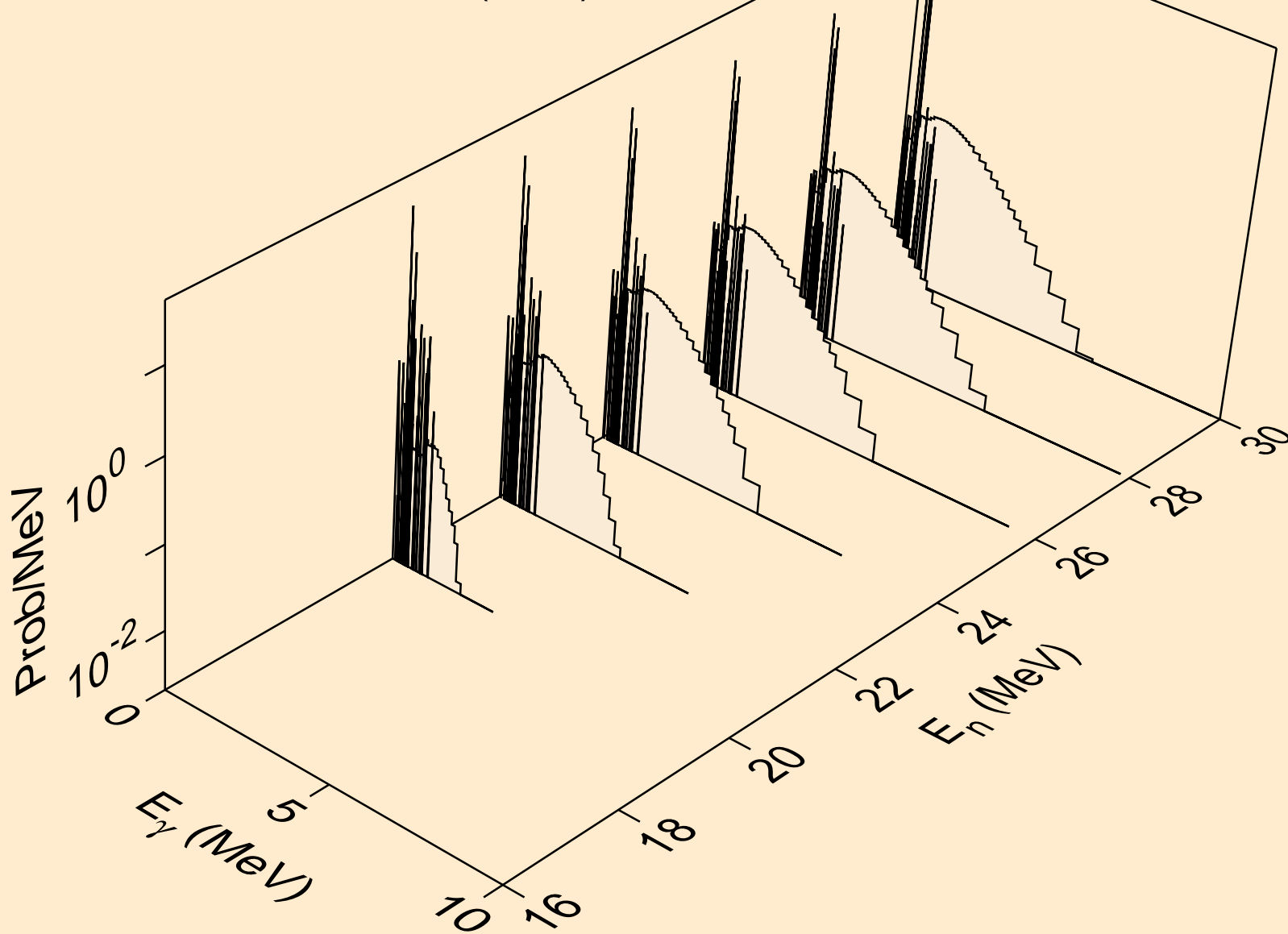


OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n)

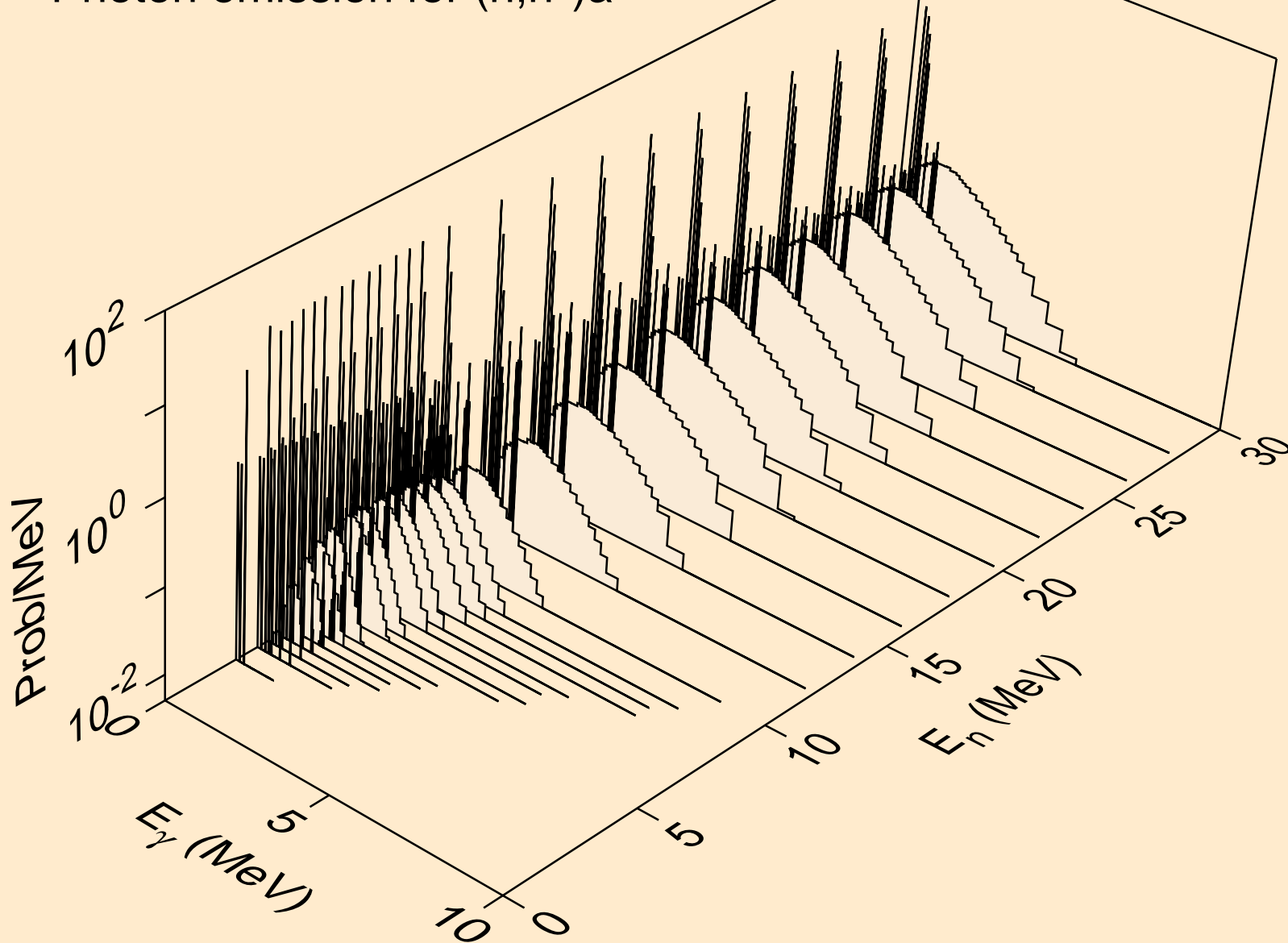




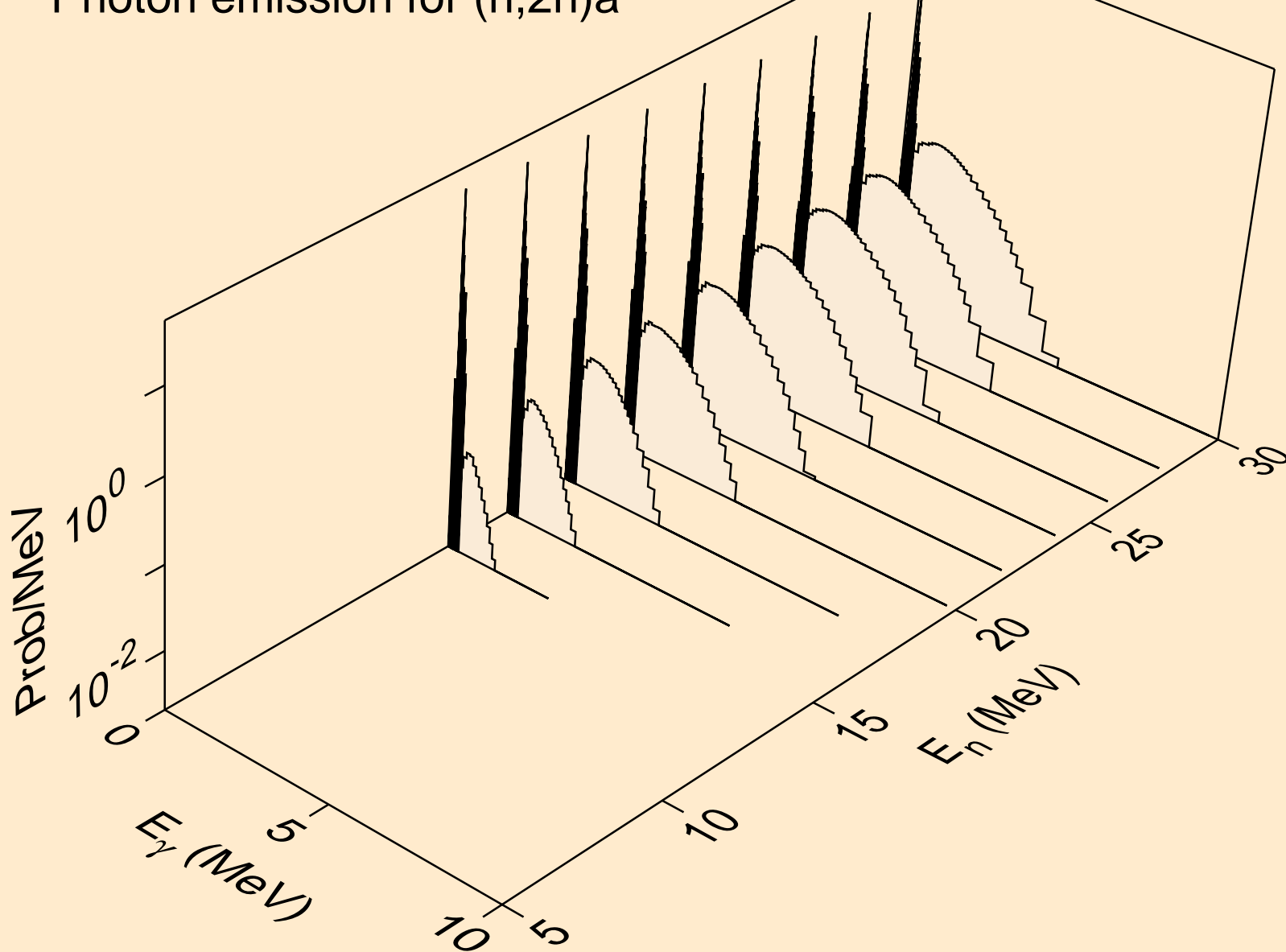
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3n)



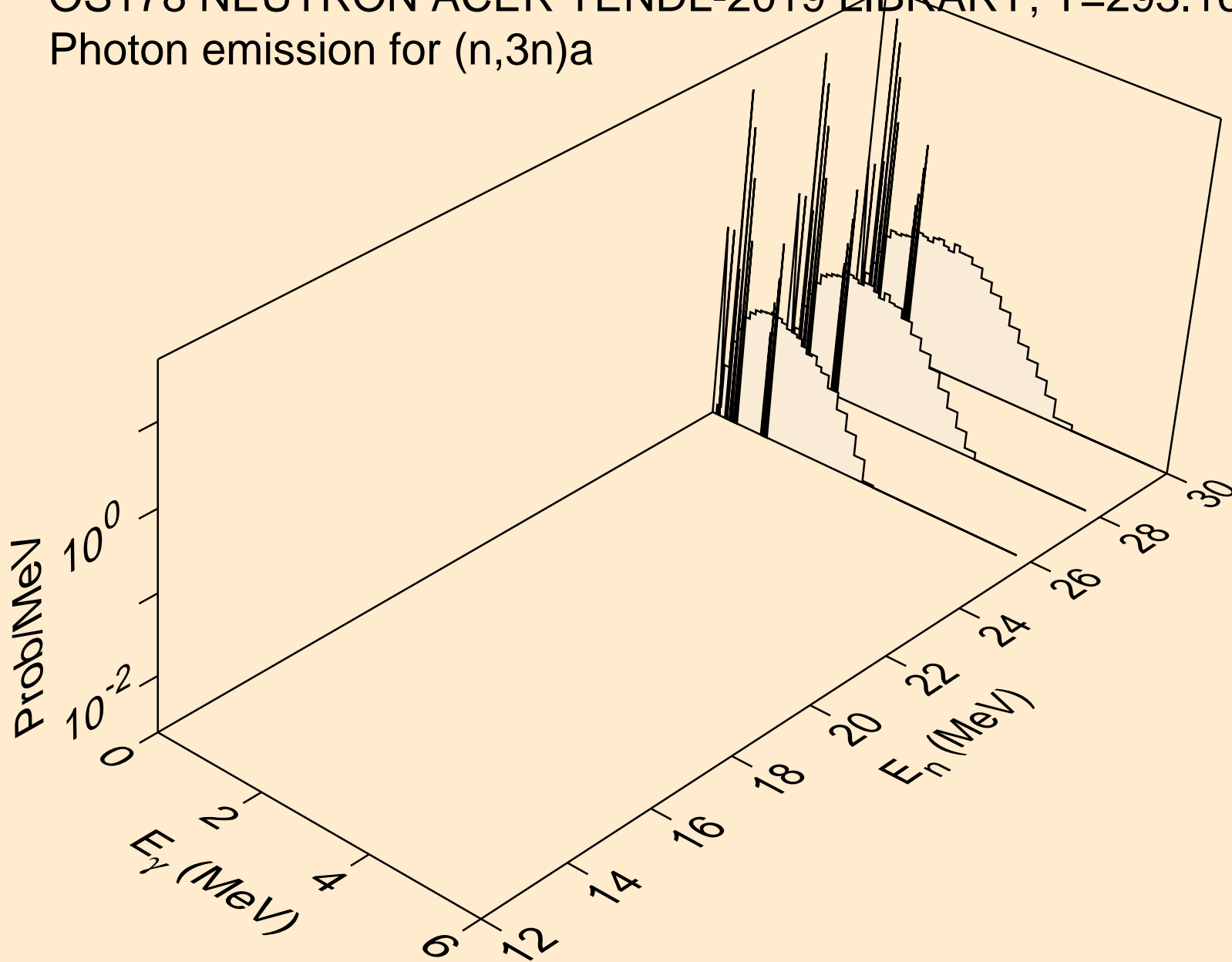
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)a



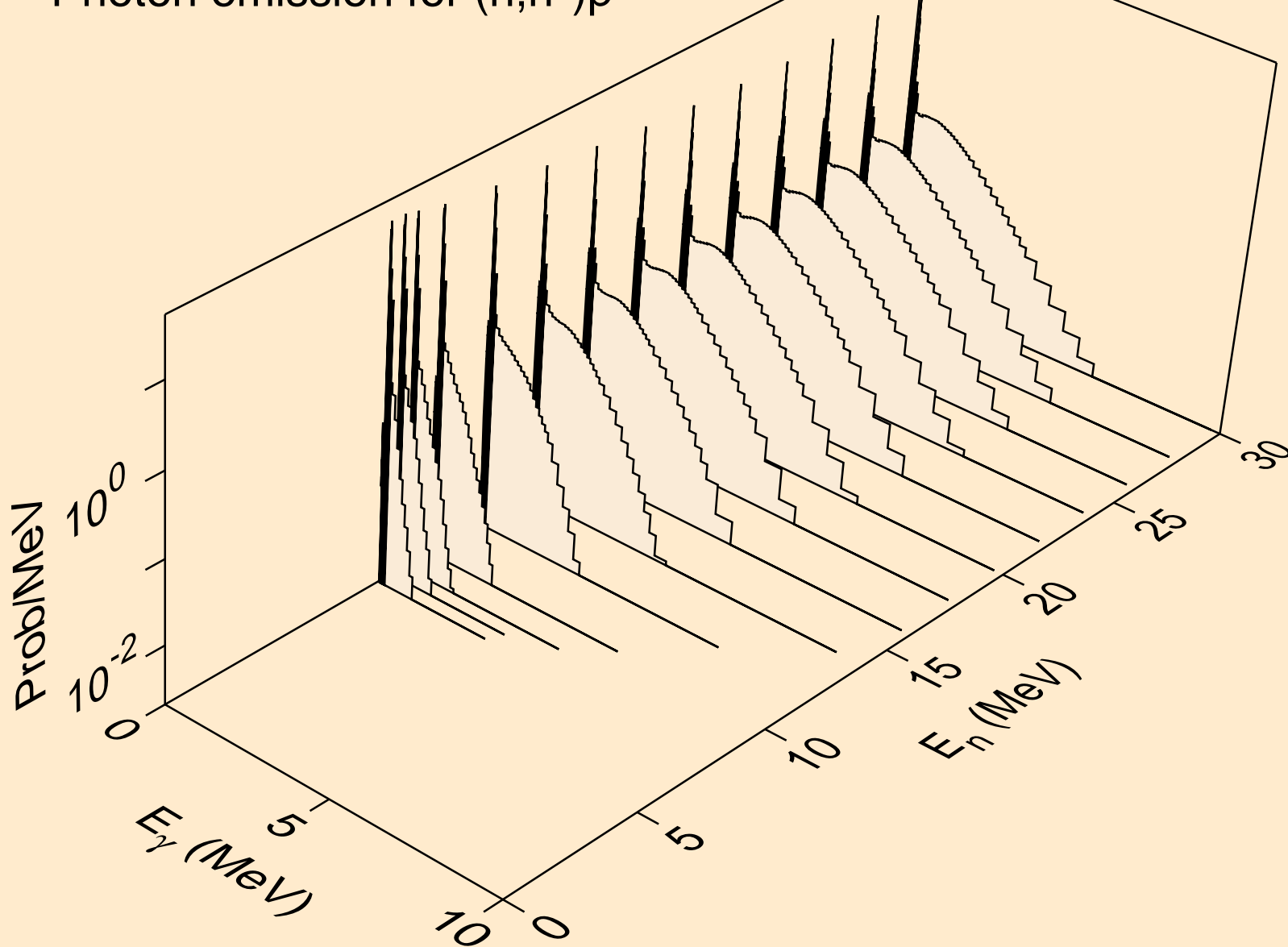
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n)a



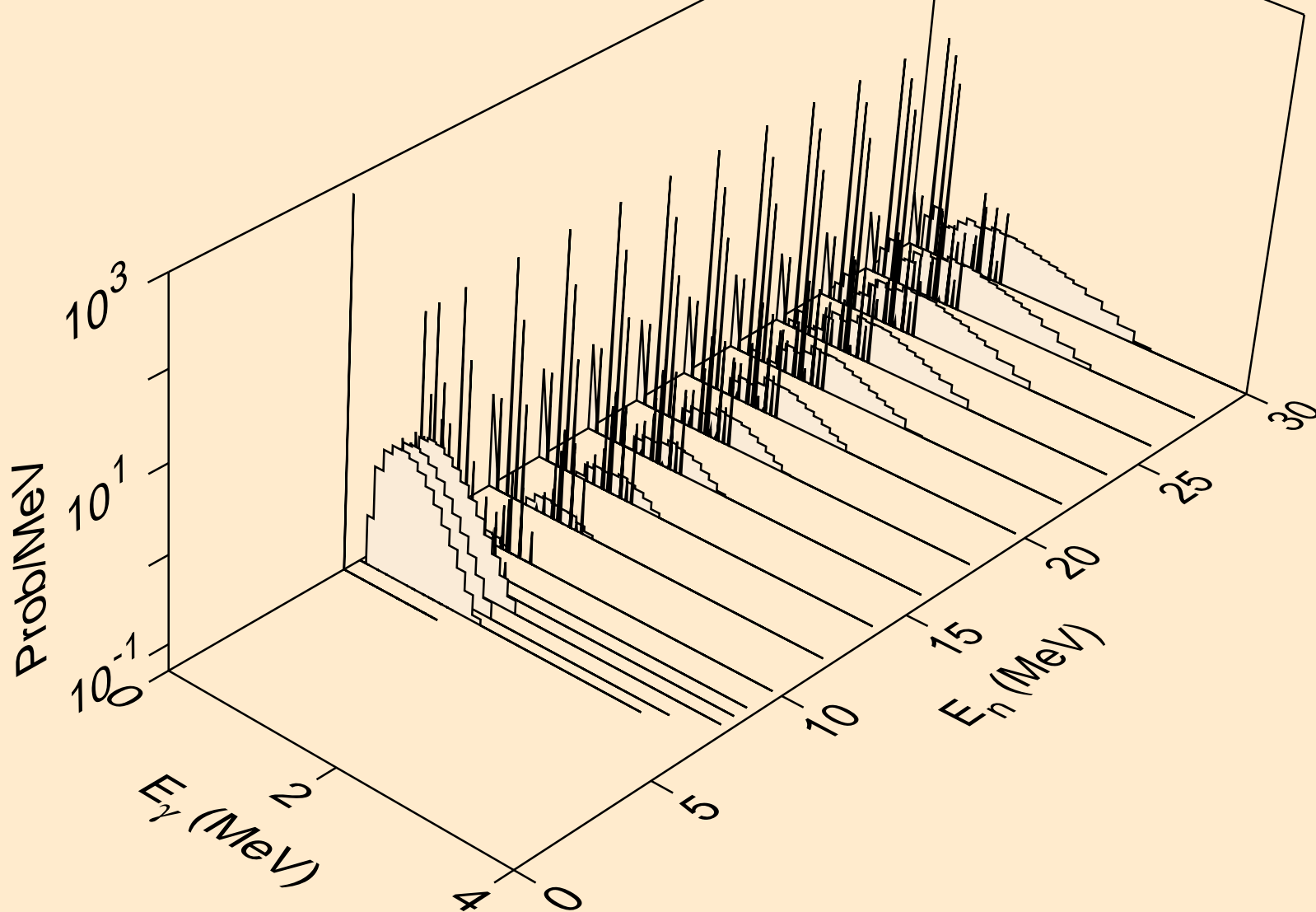
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3n)a



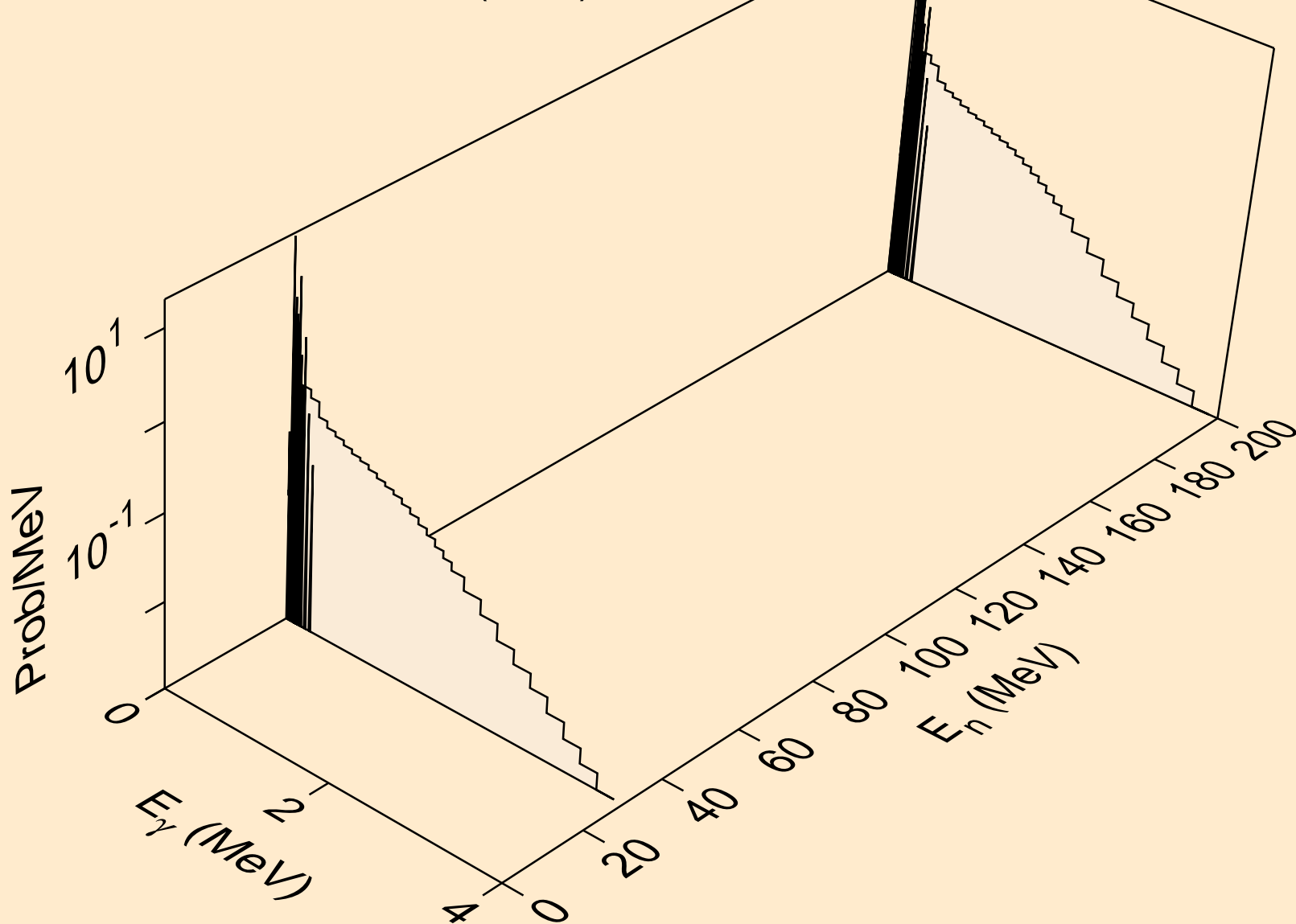
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)p



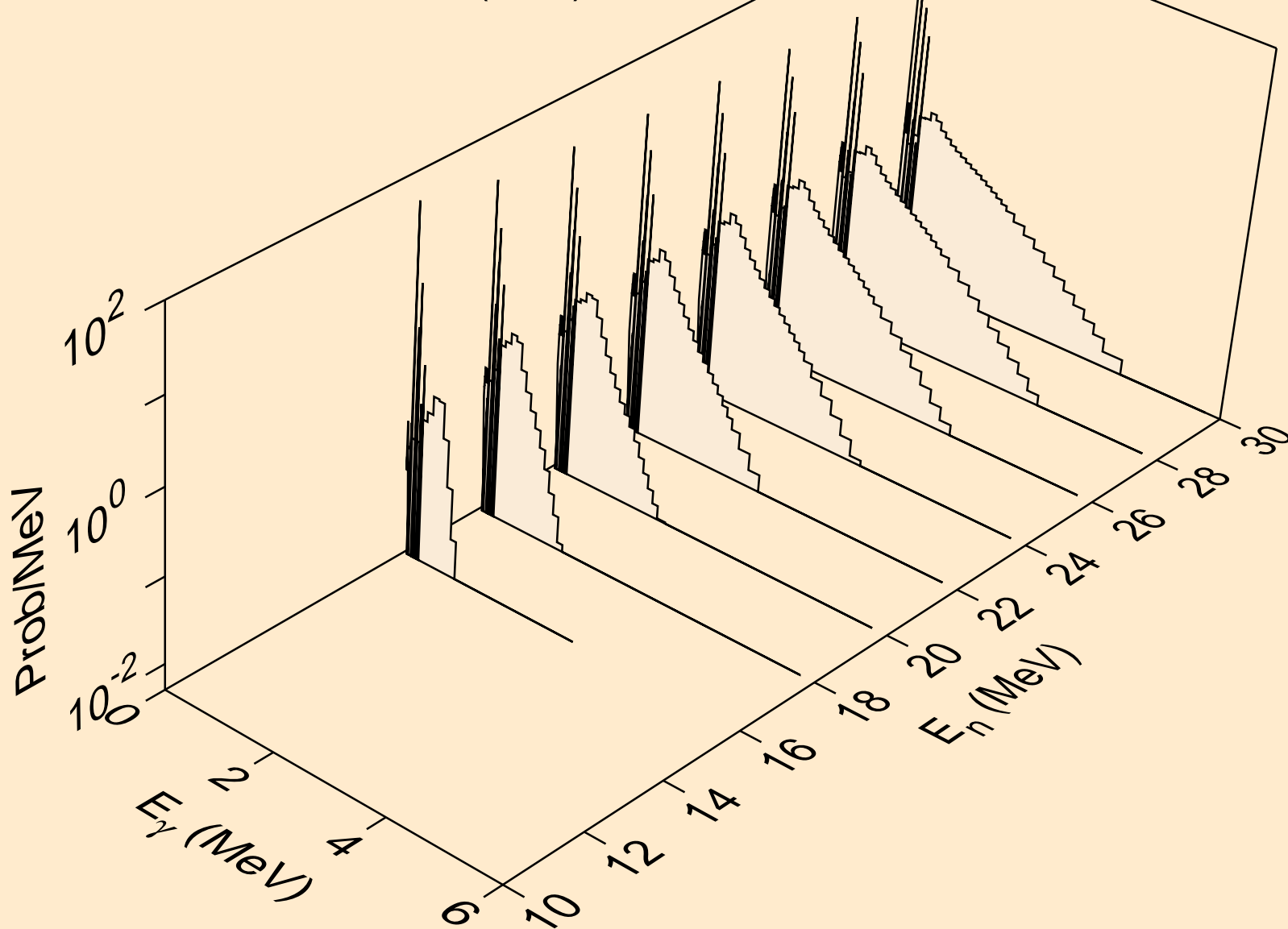
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)2a



OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n)2a

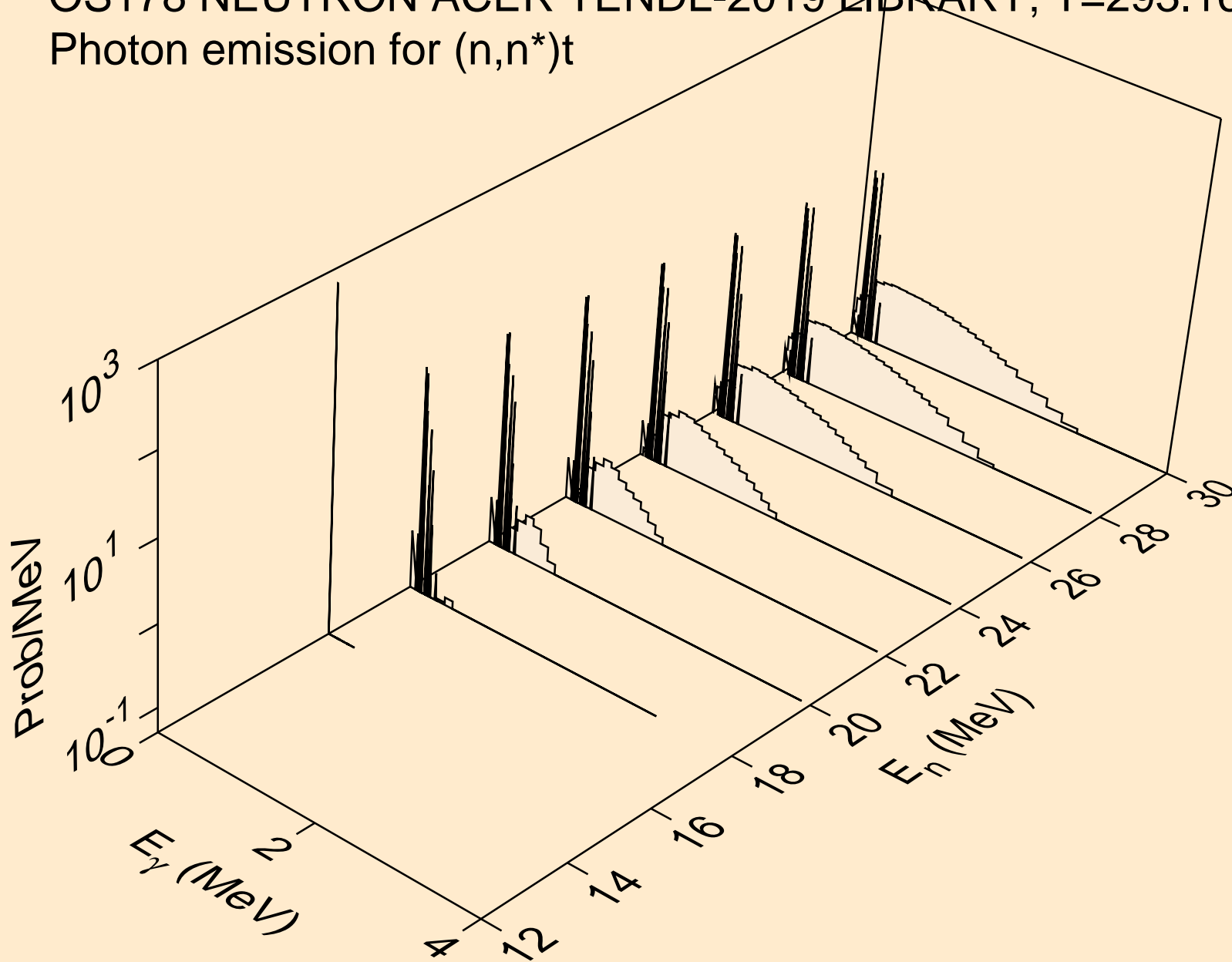


OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)d

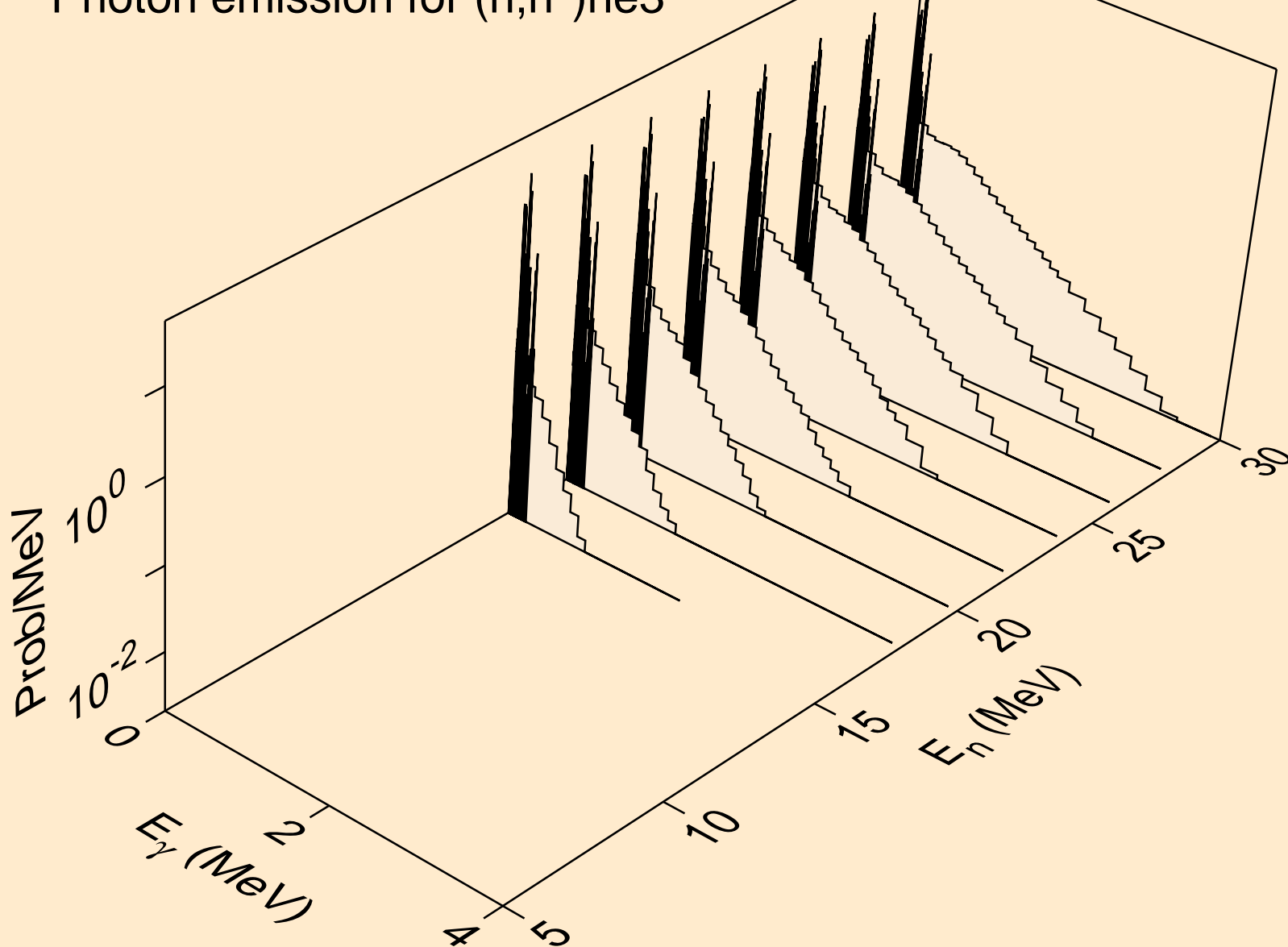




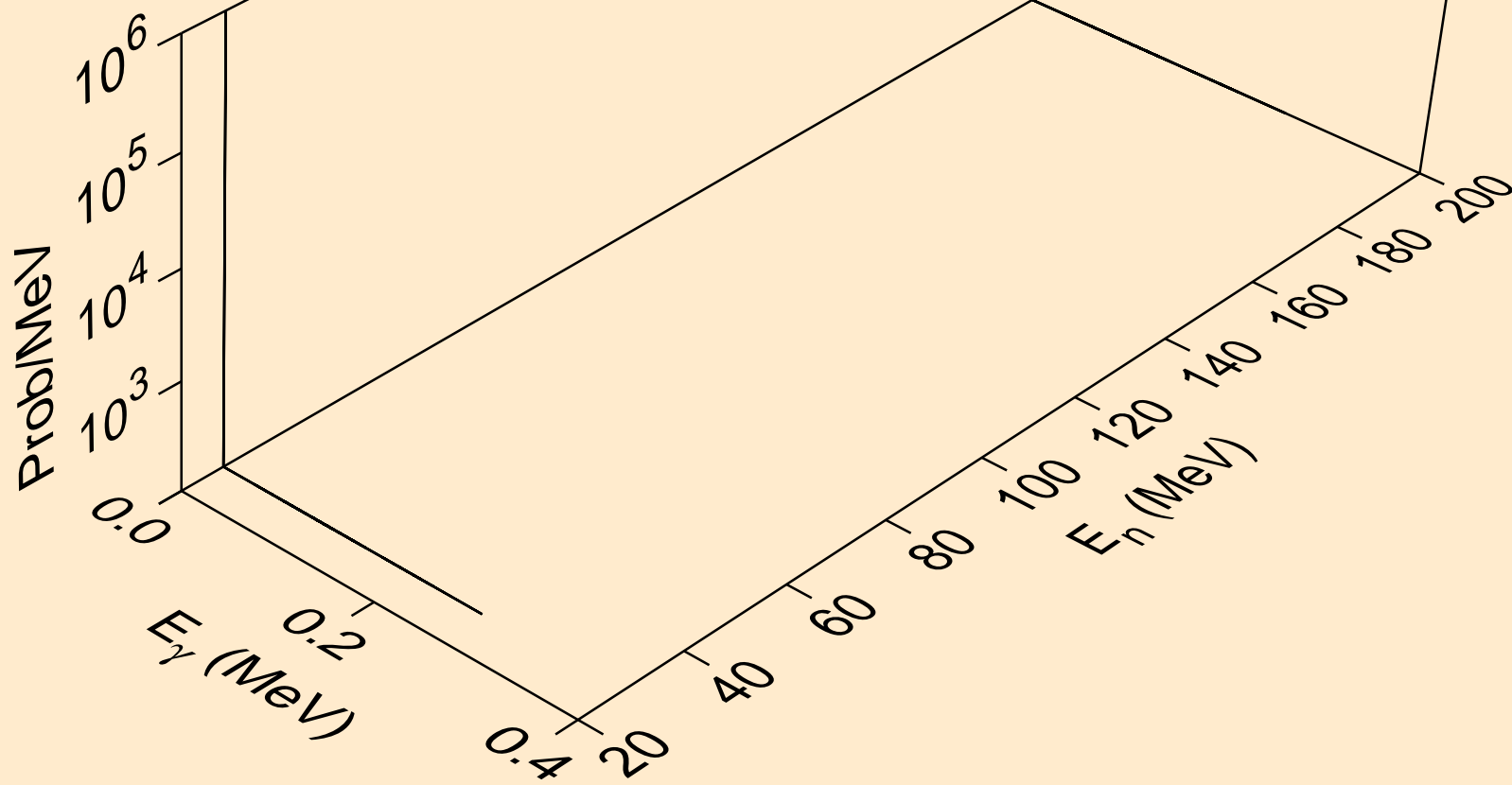
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)t



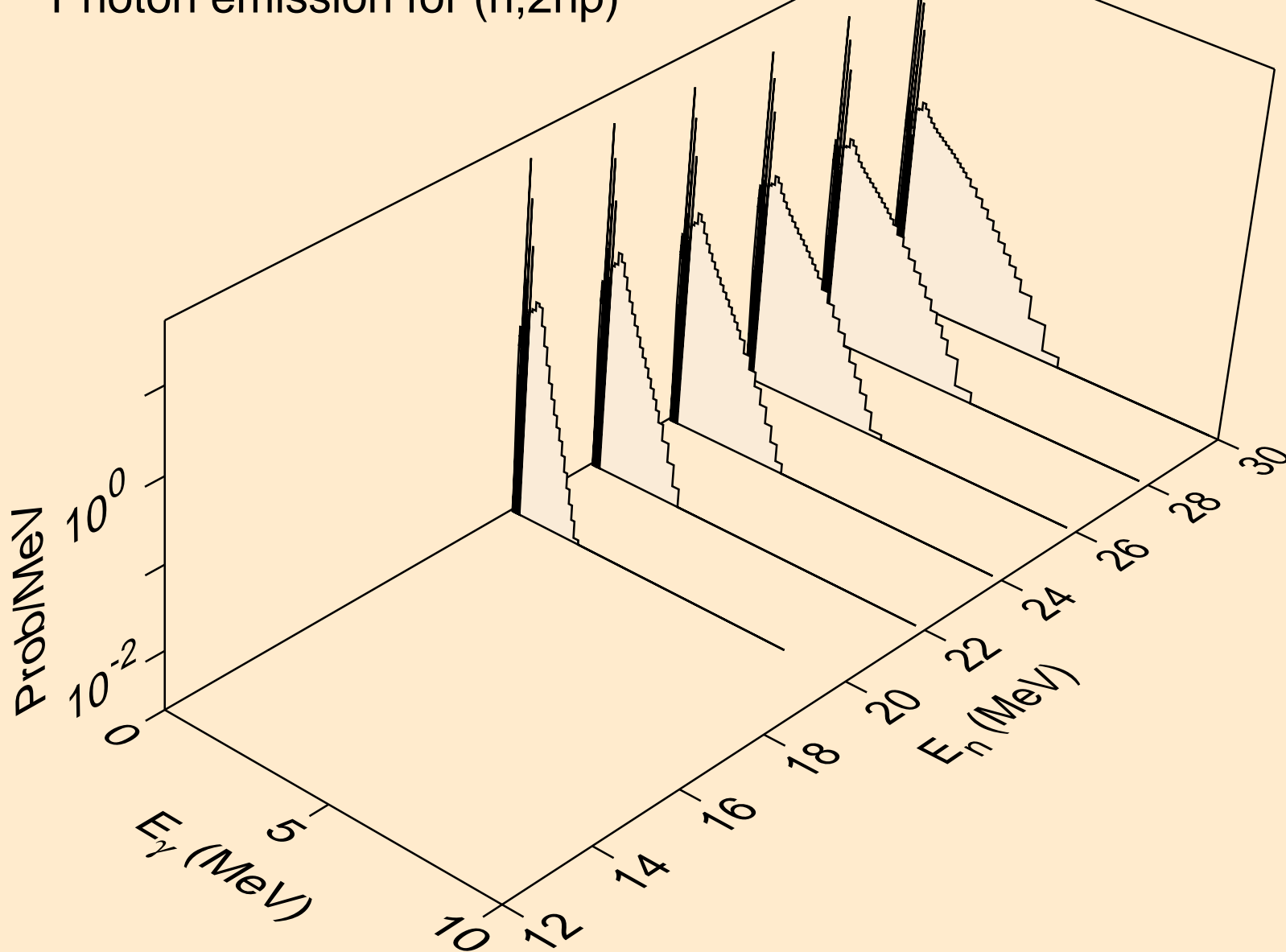
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)he3



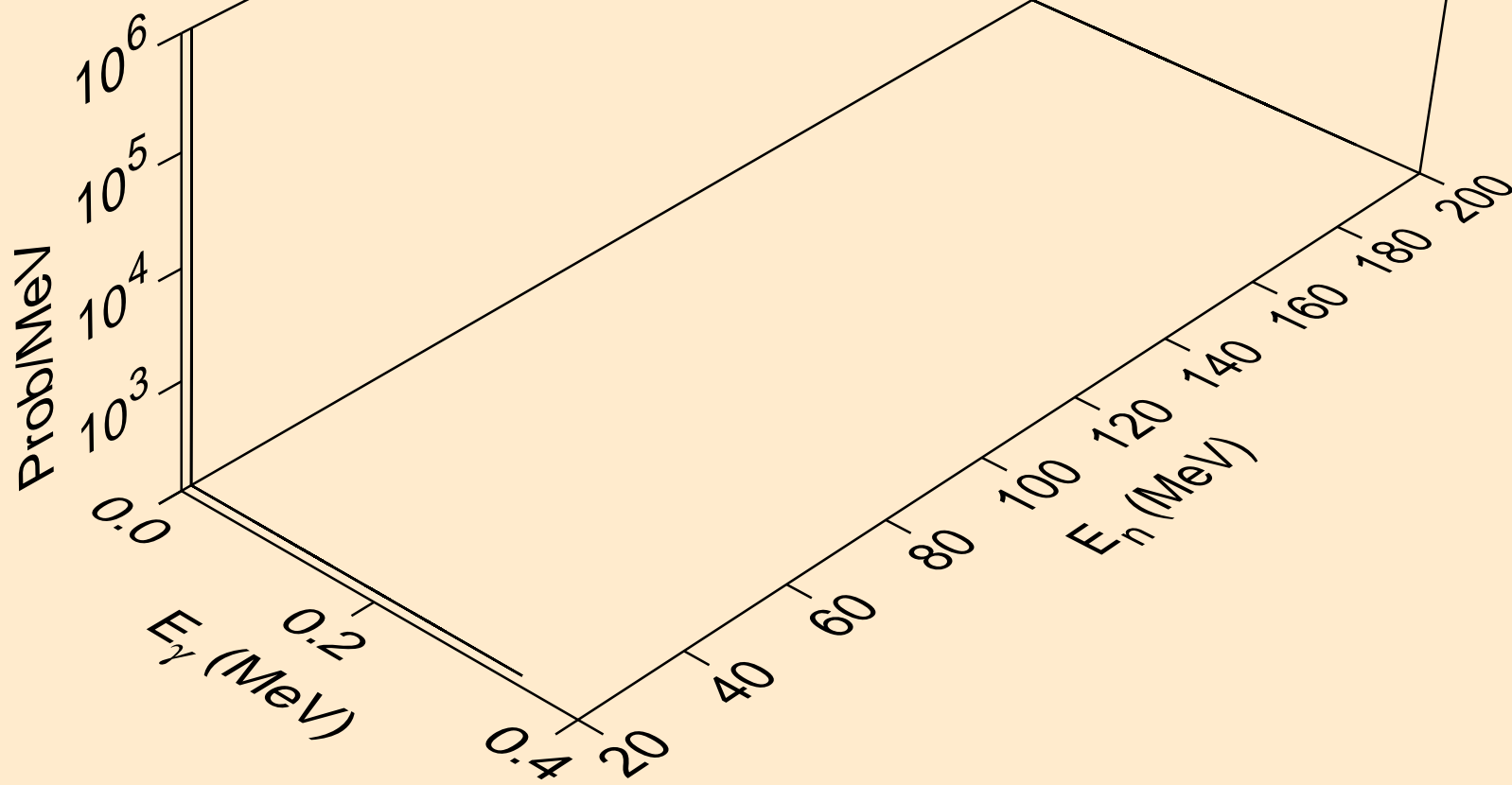
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,4n)



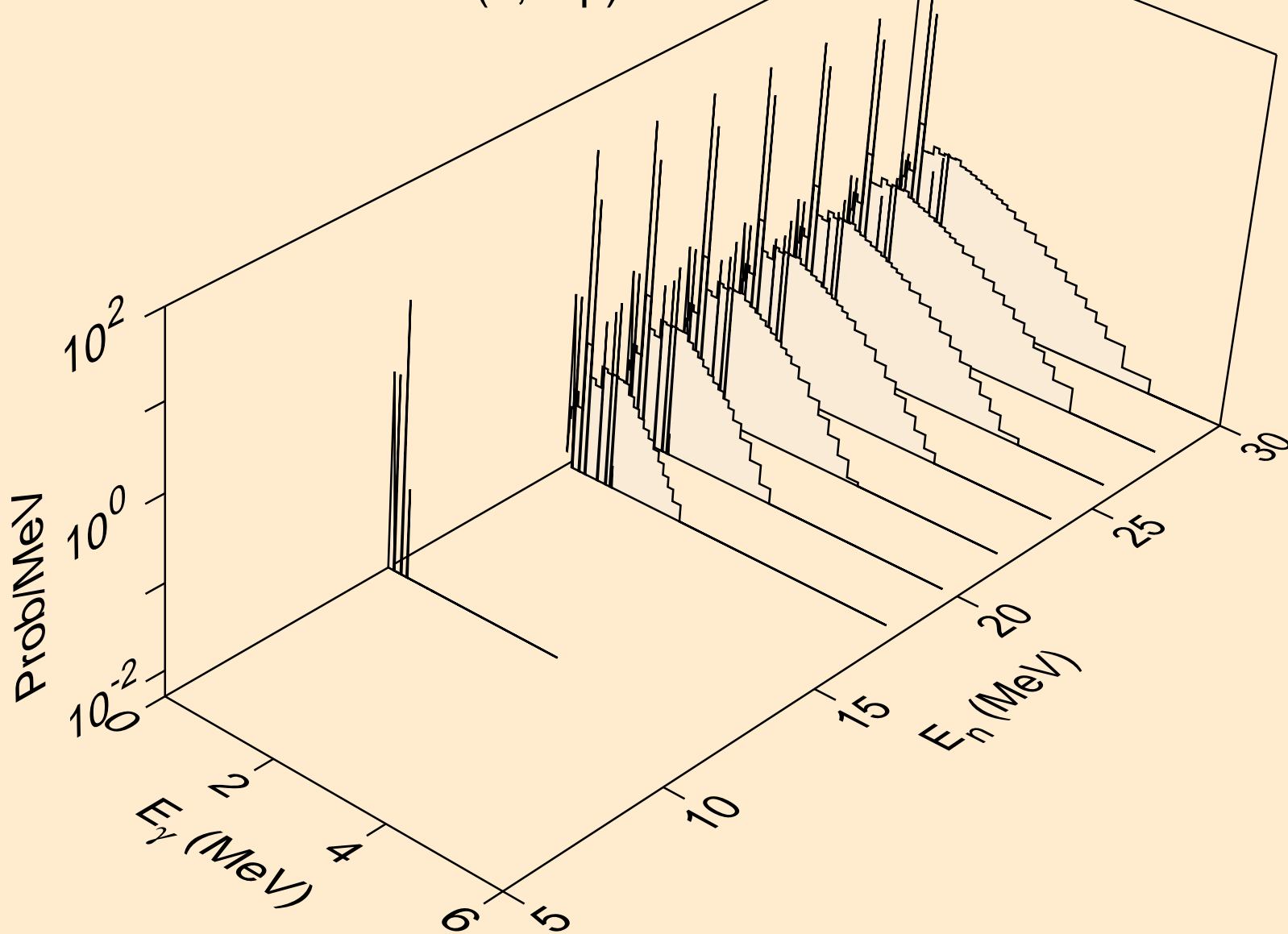
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2np)



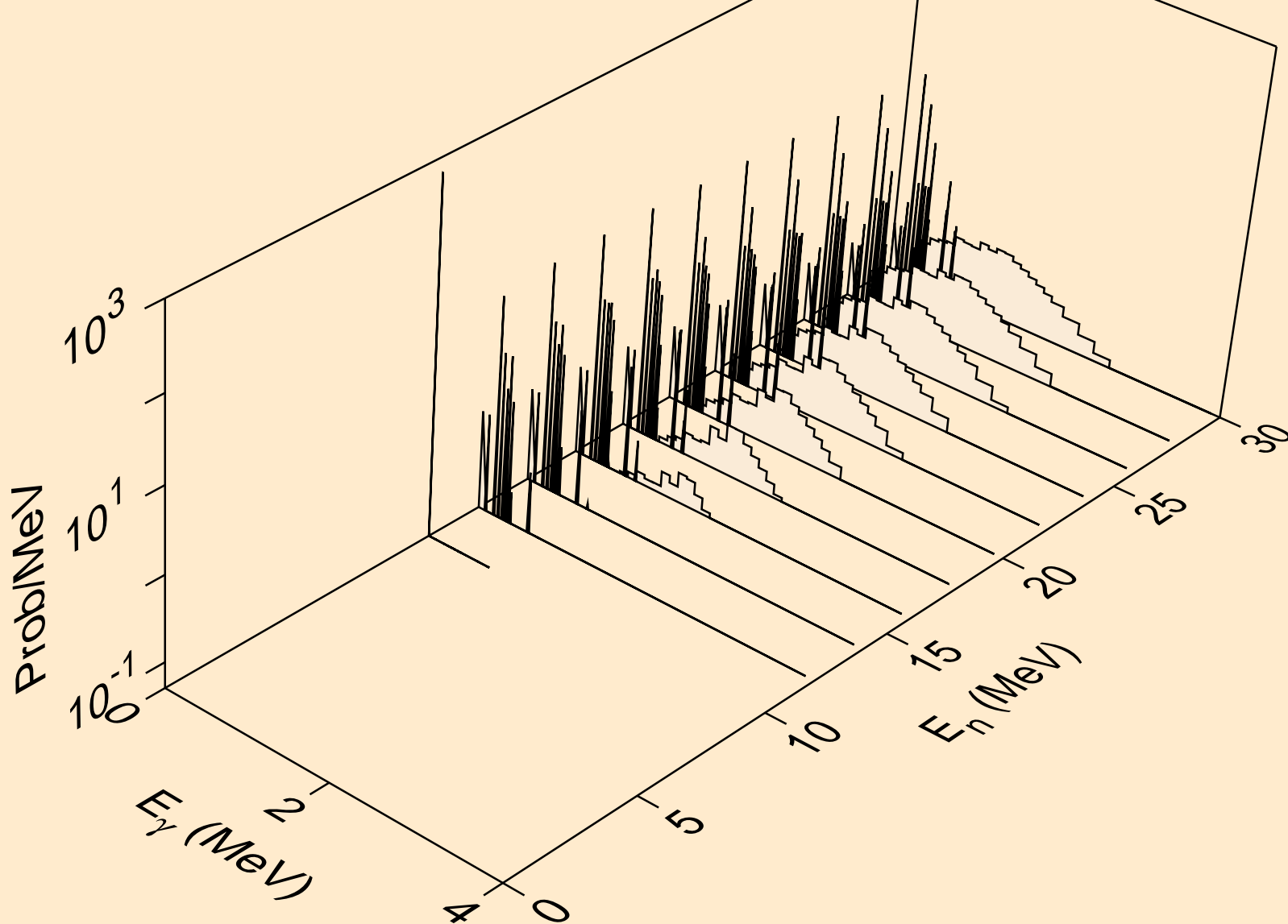
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3np)



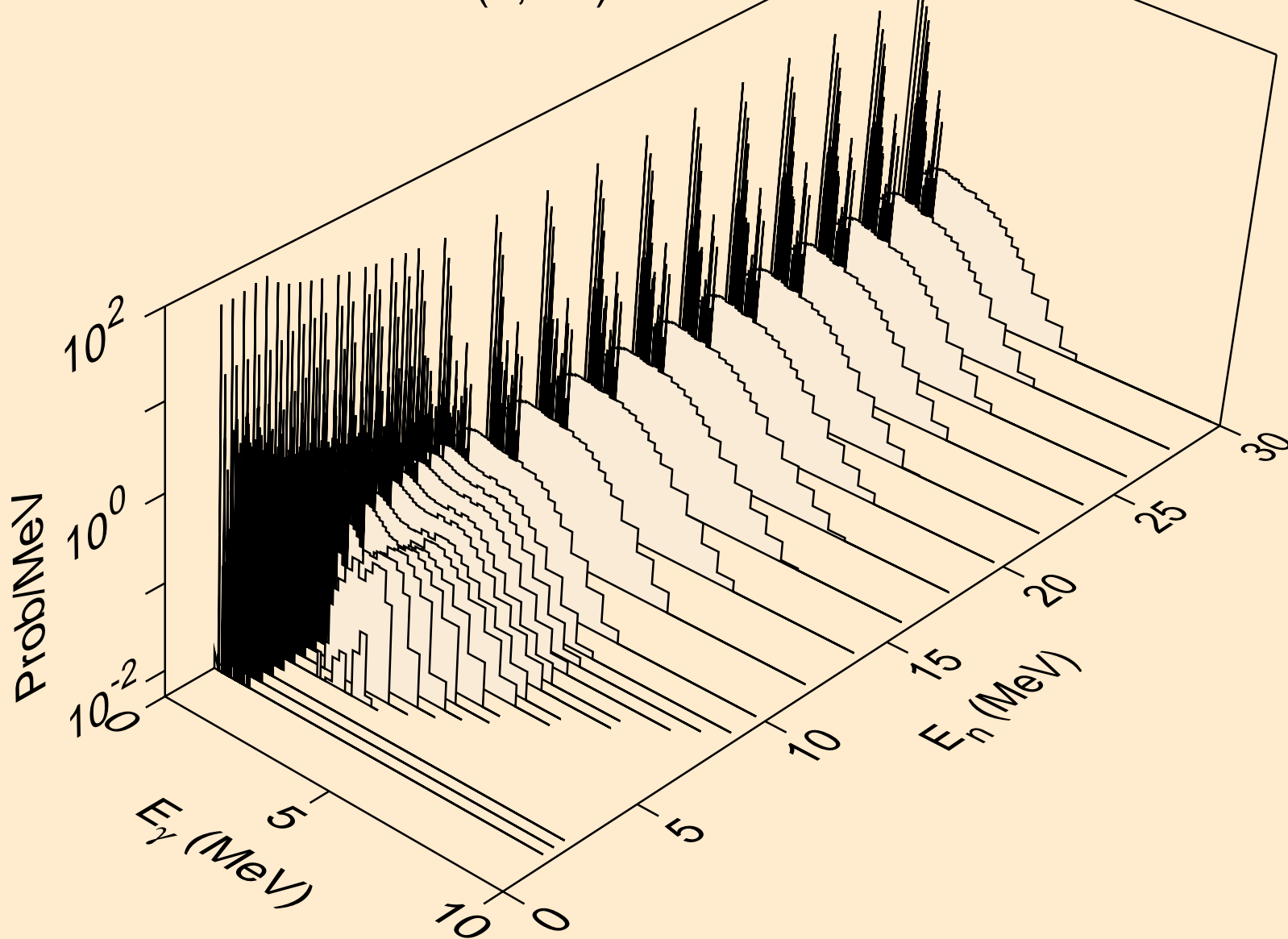
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2np)



OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,npa)

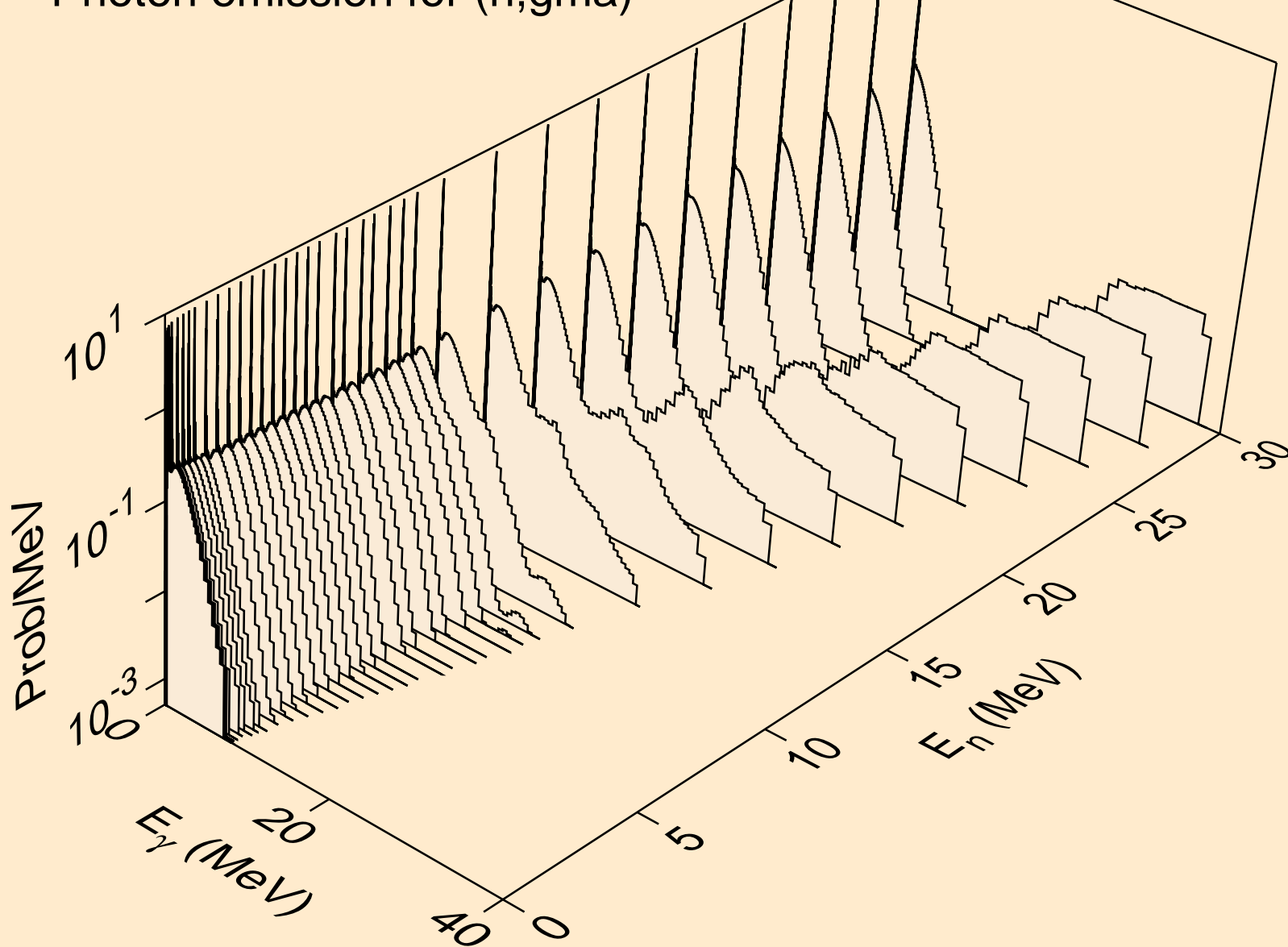


OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*c)

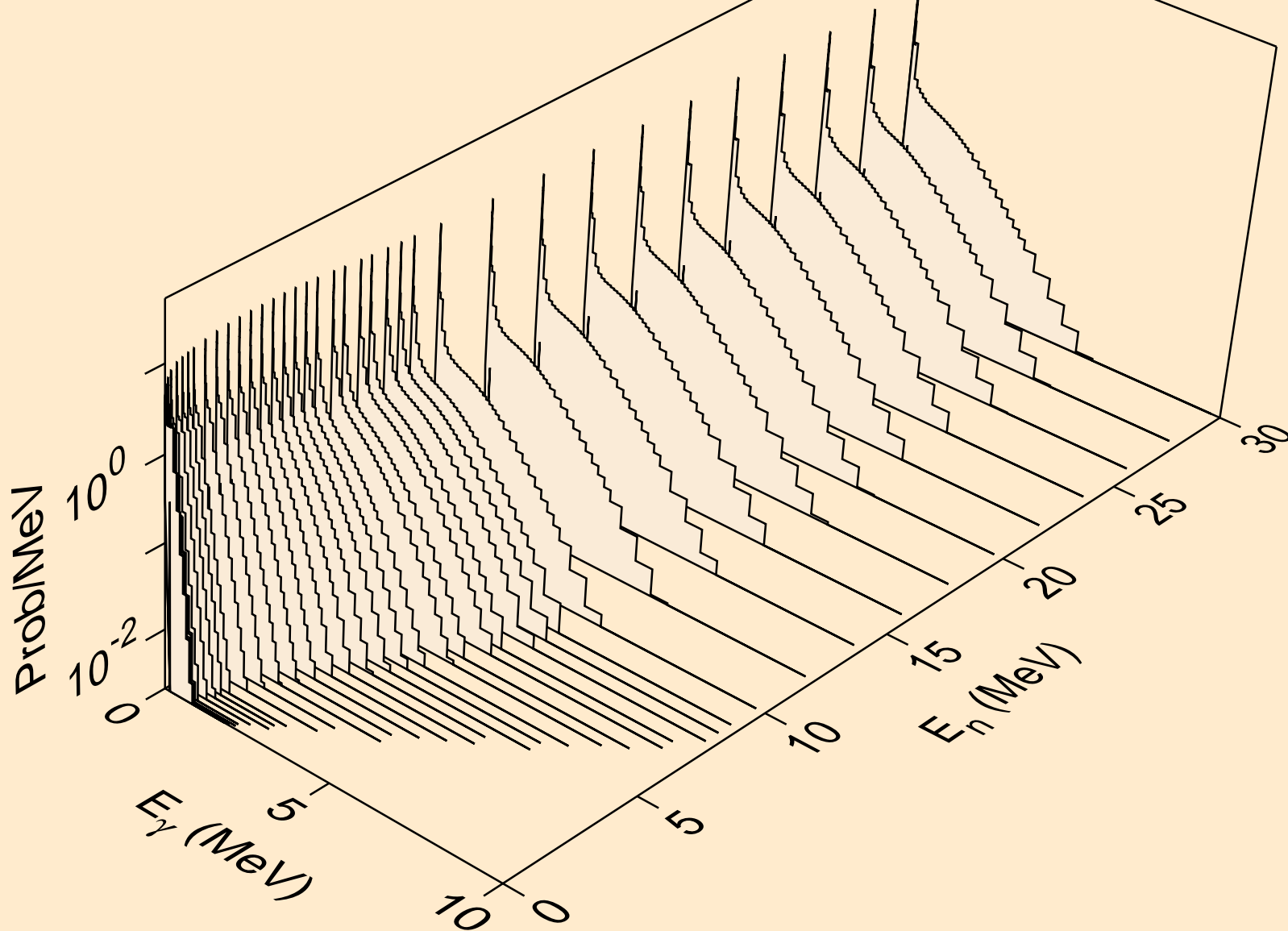




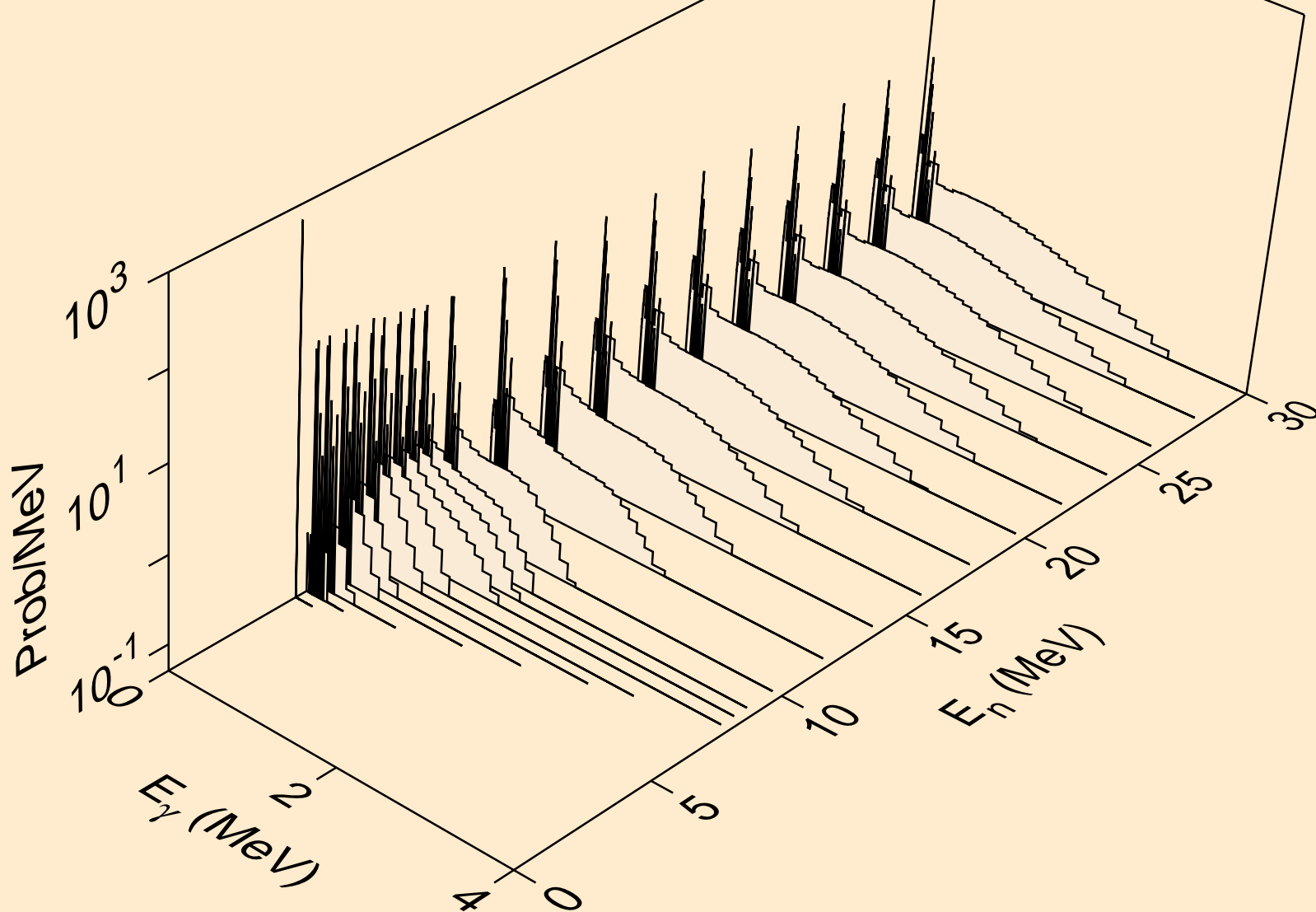
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,gma)



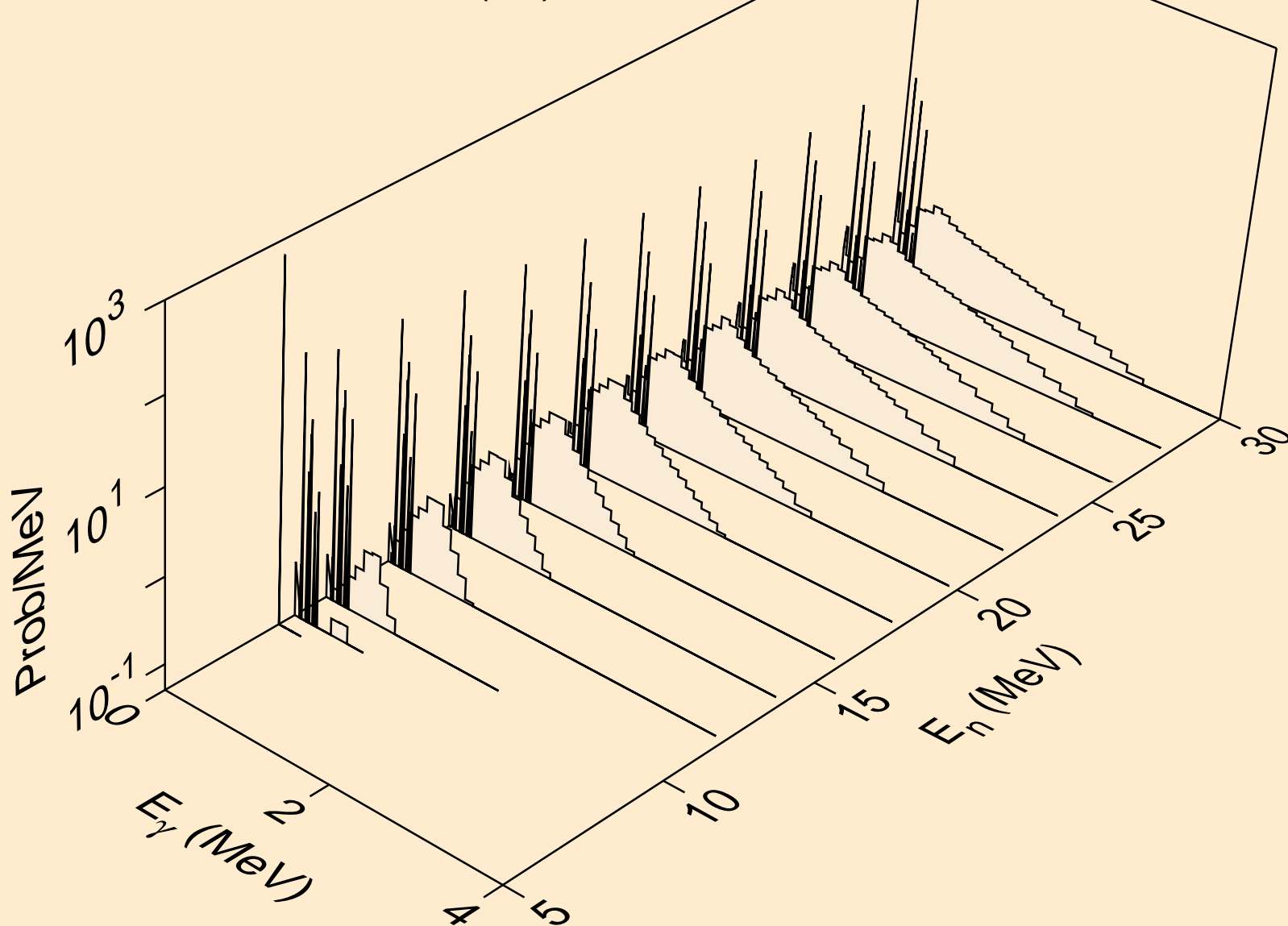
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,p)



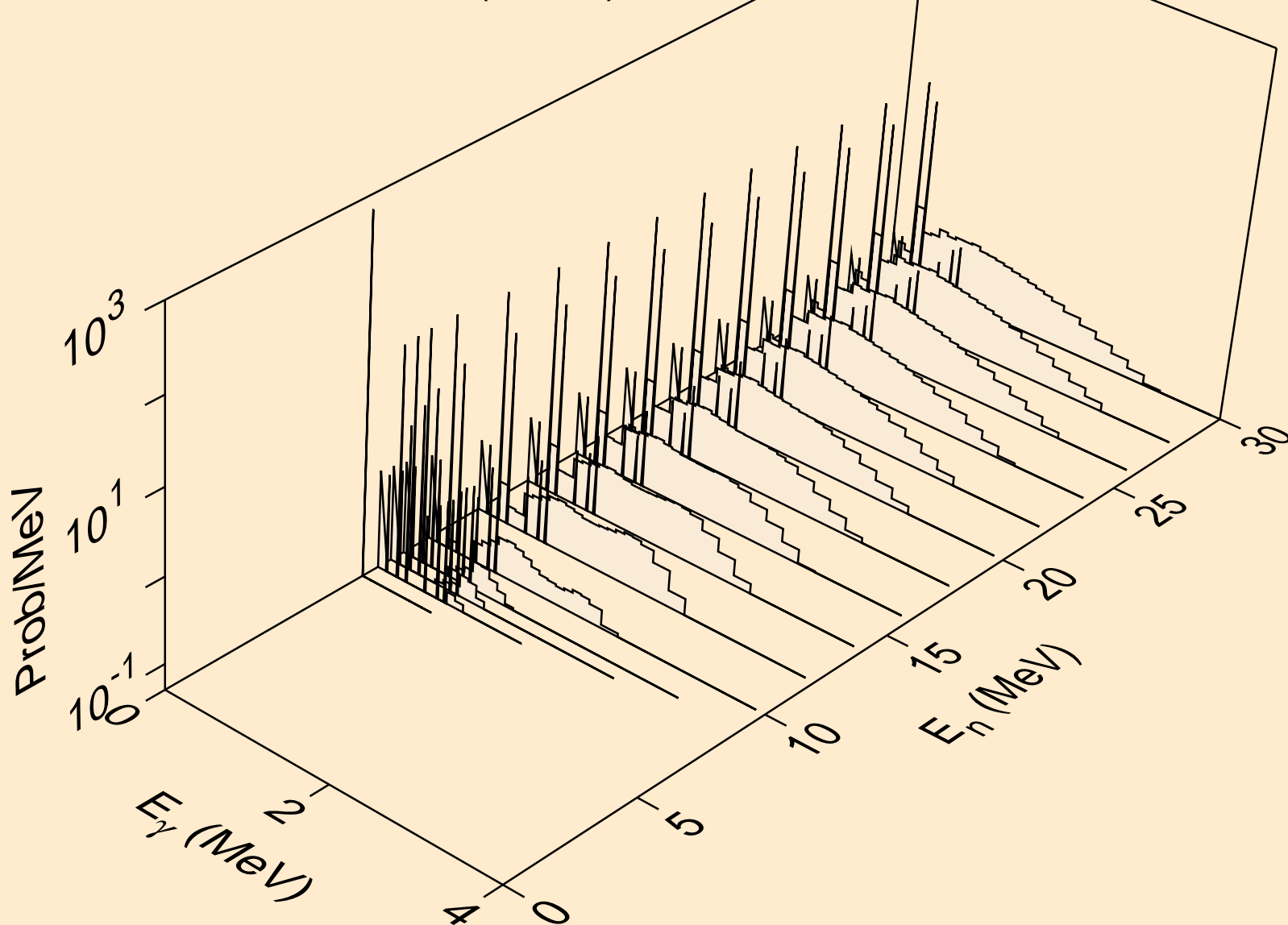
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,d)



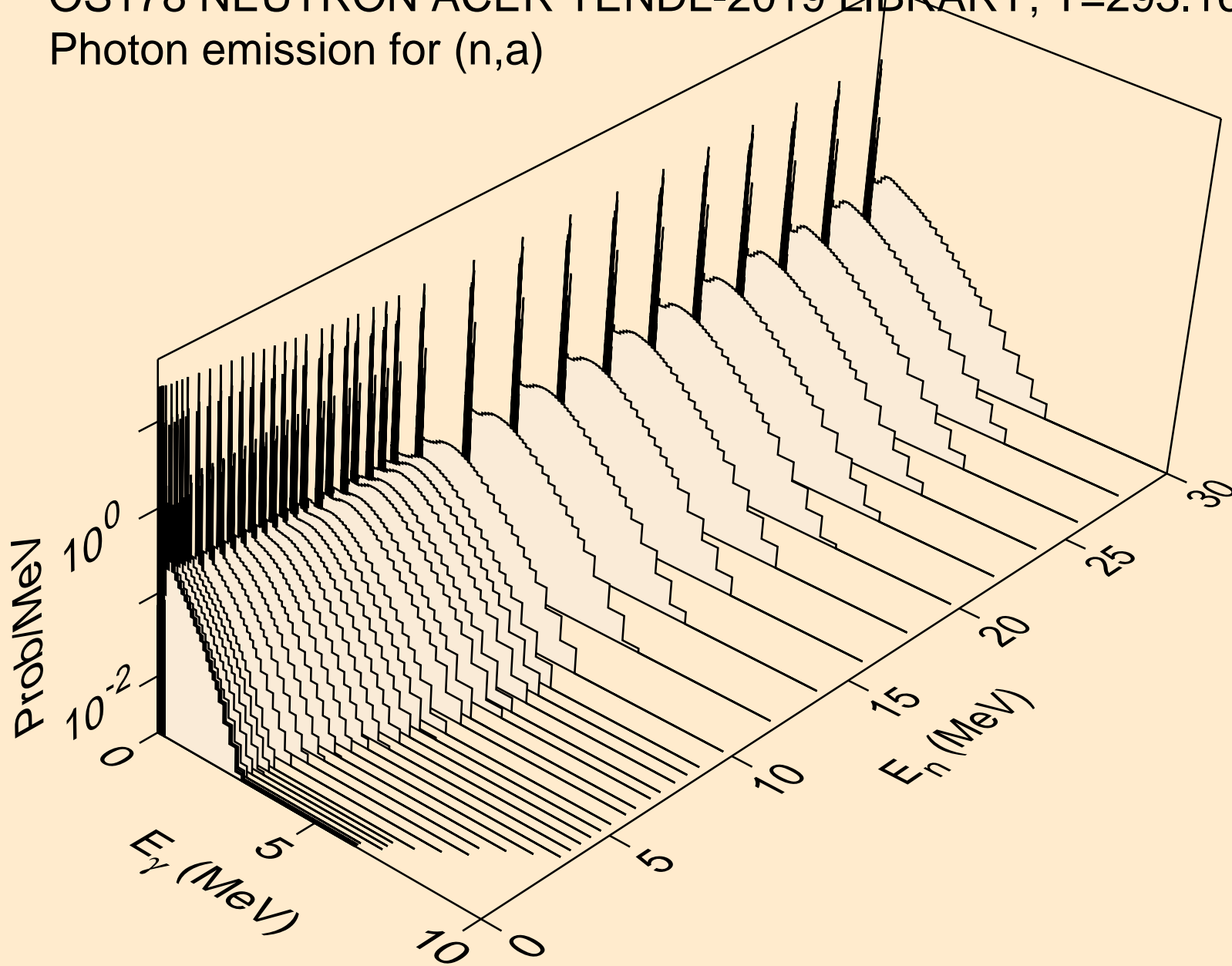
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,t)



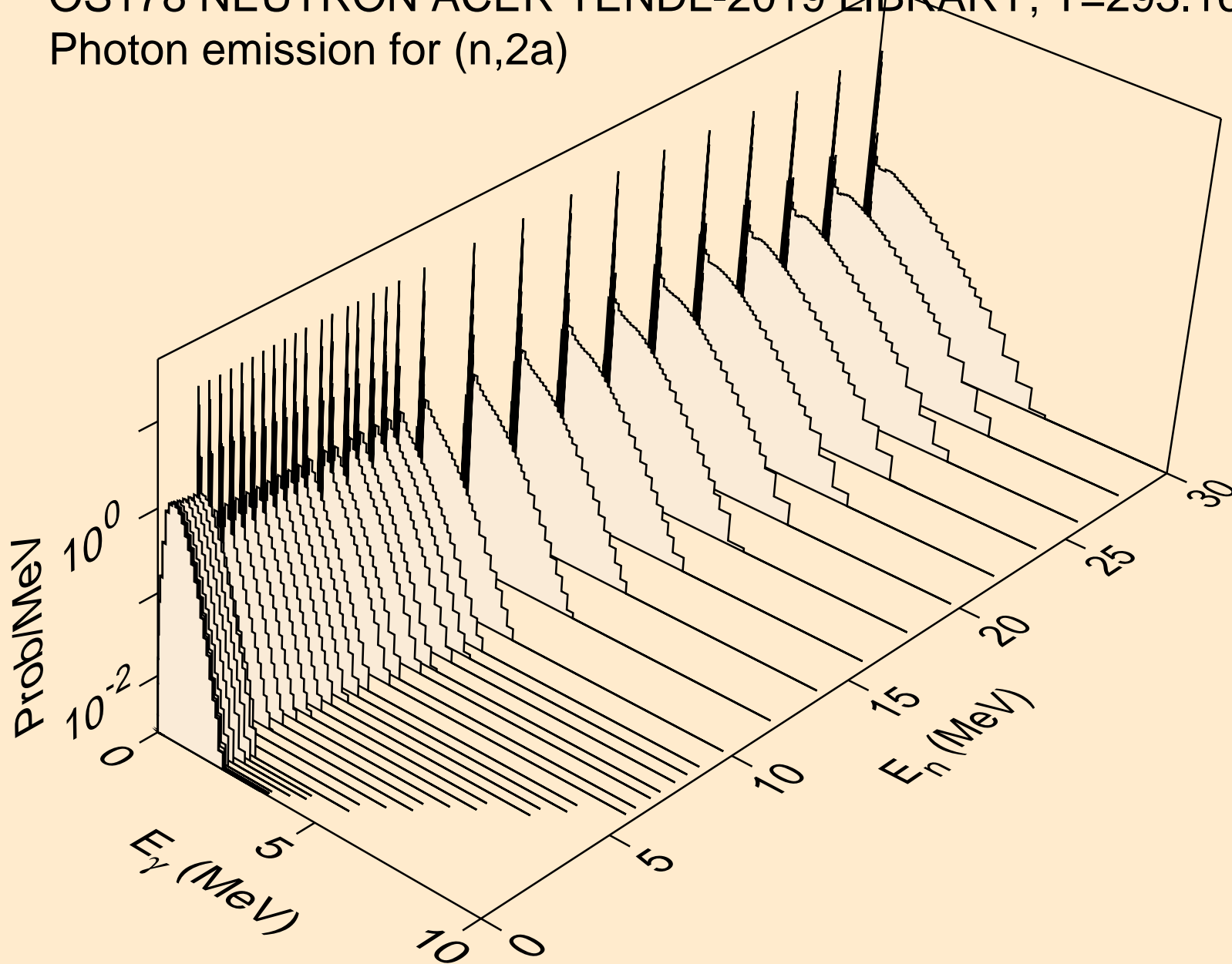
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,he3)



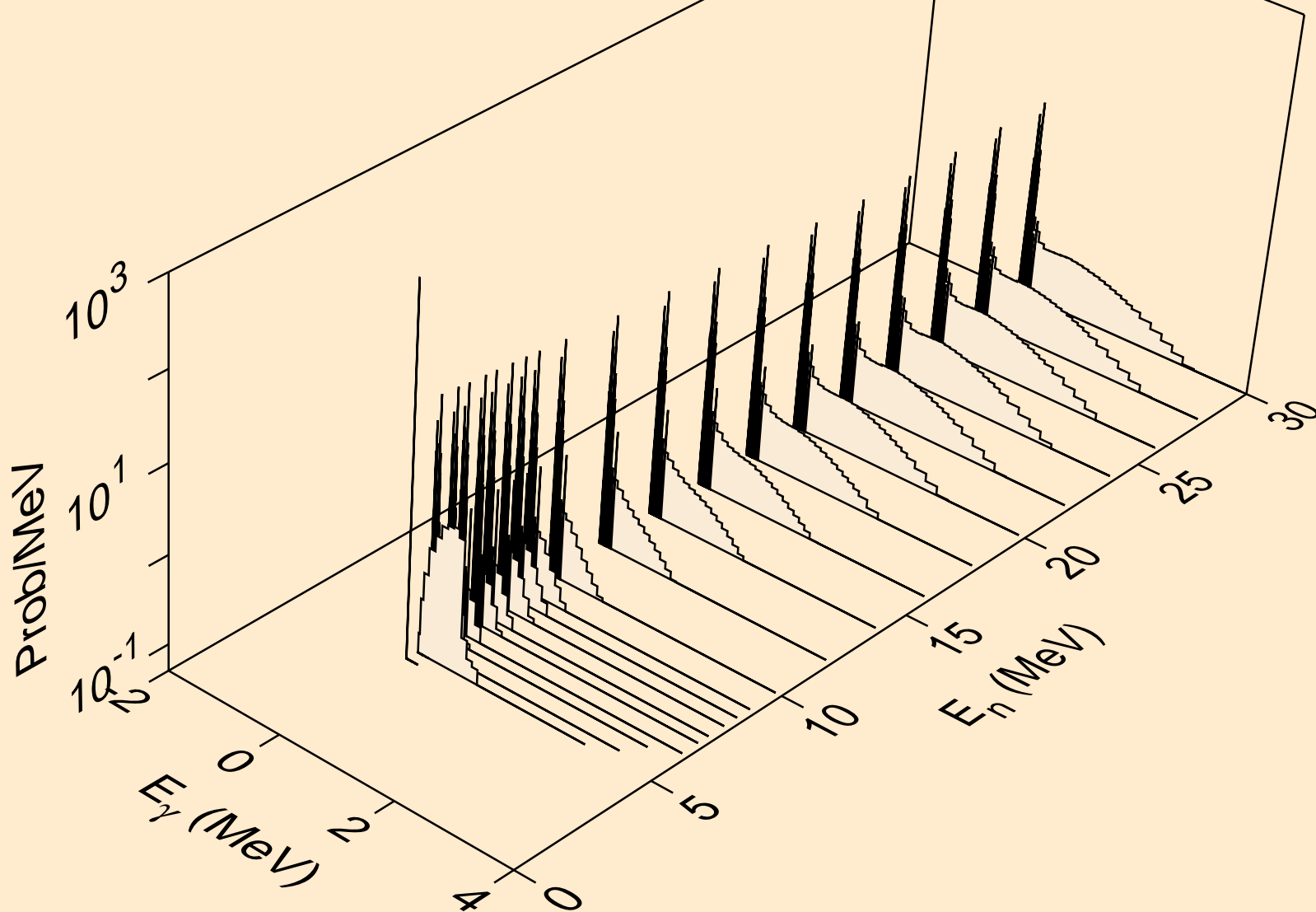
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,a)



OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2a)

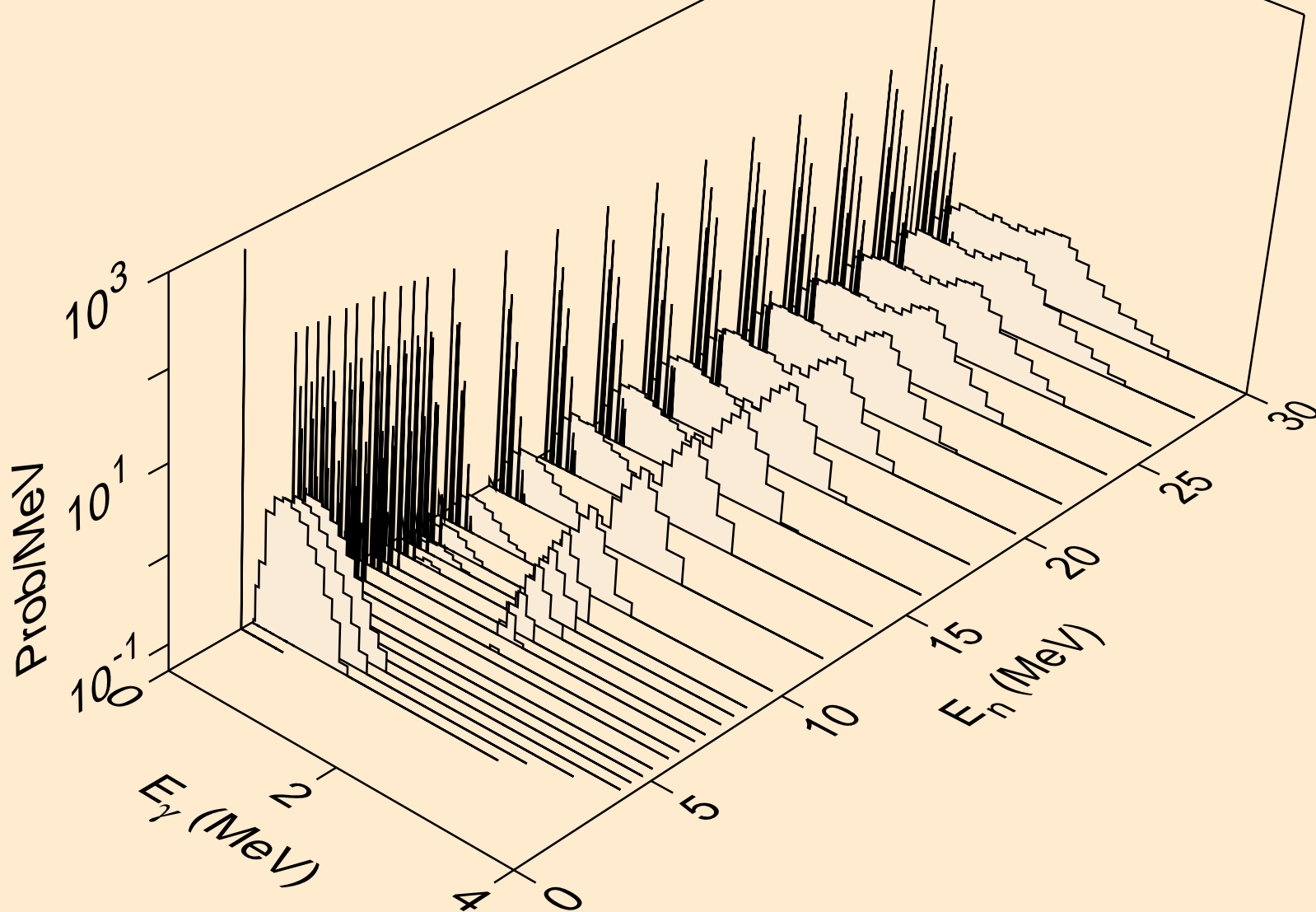


OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2p)

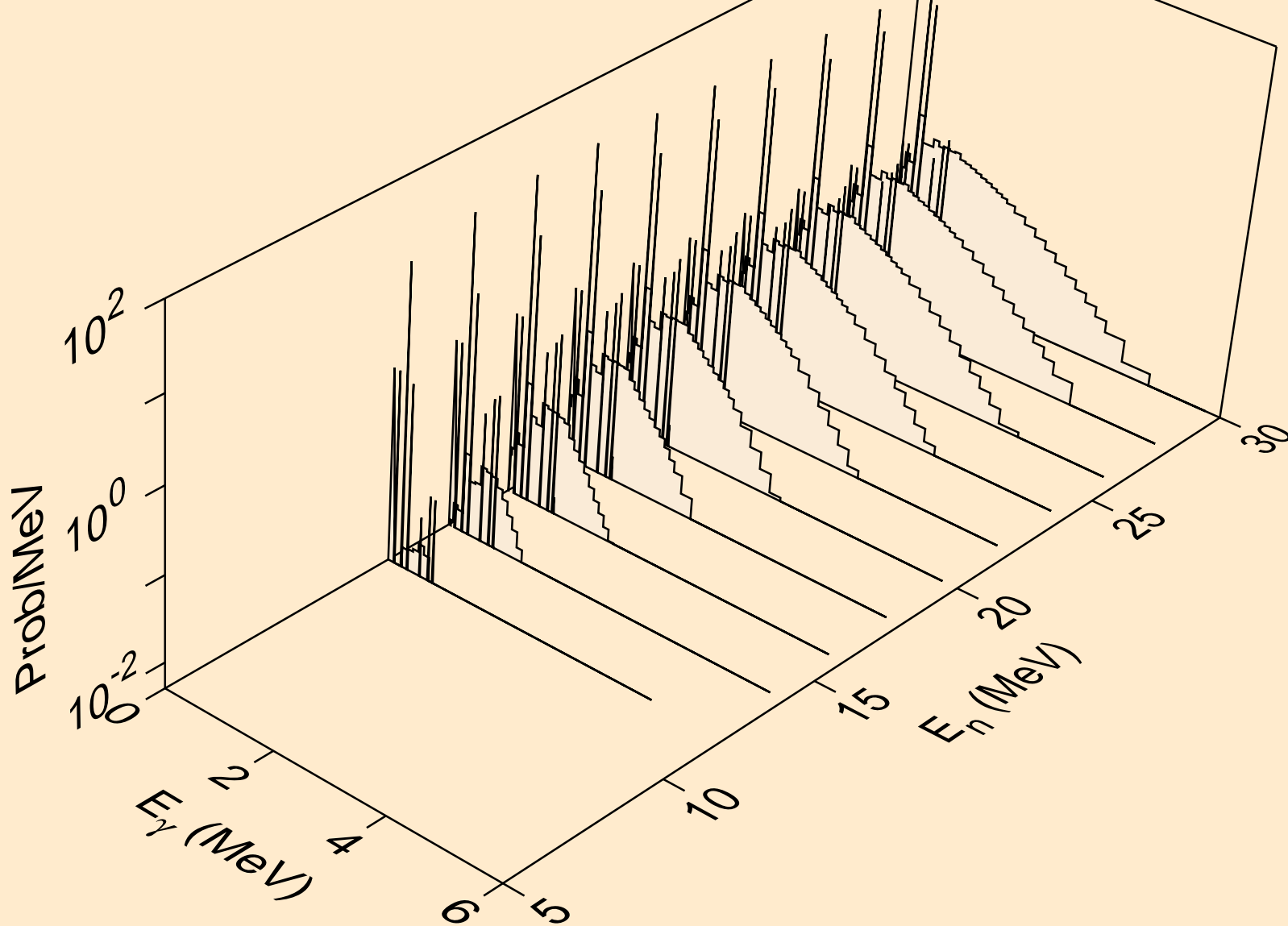




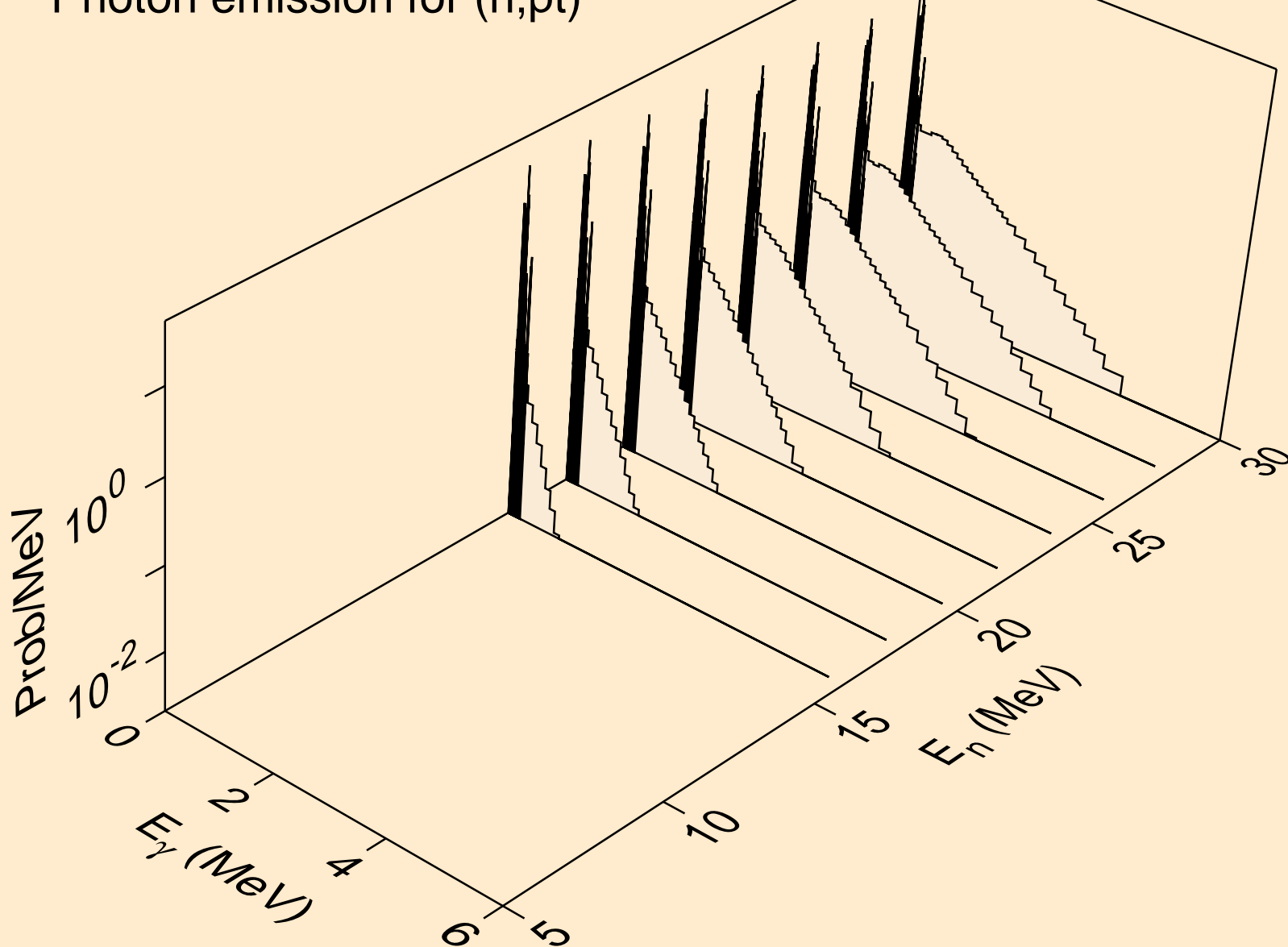
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,p $\alpha$ )



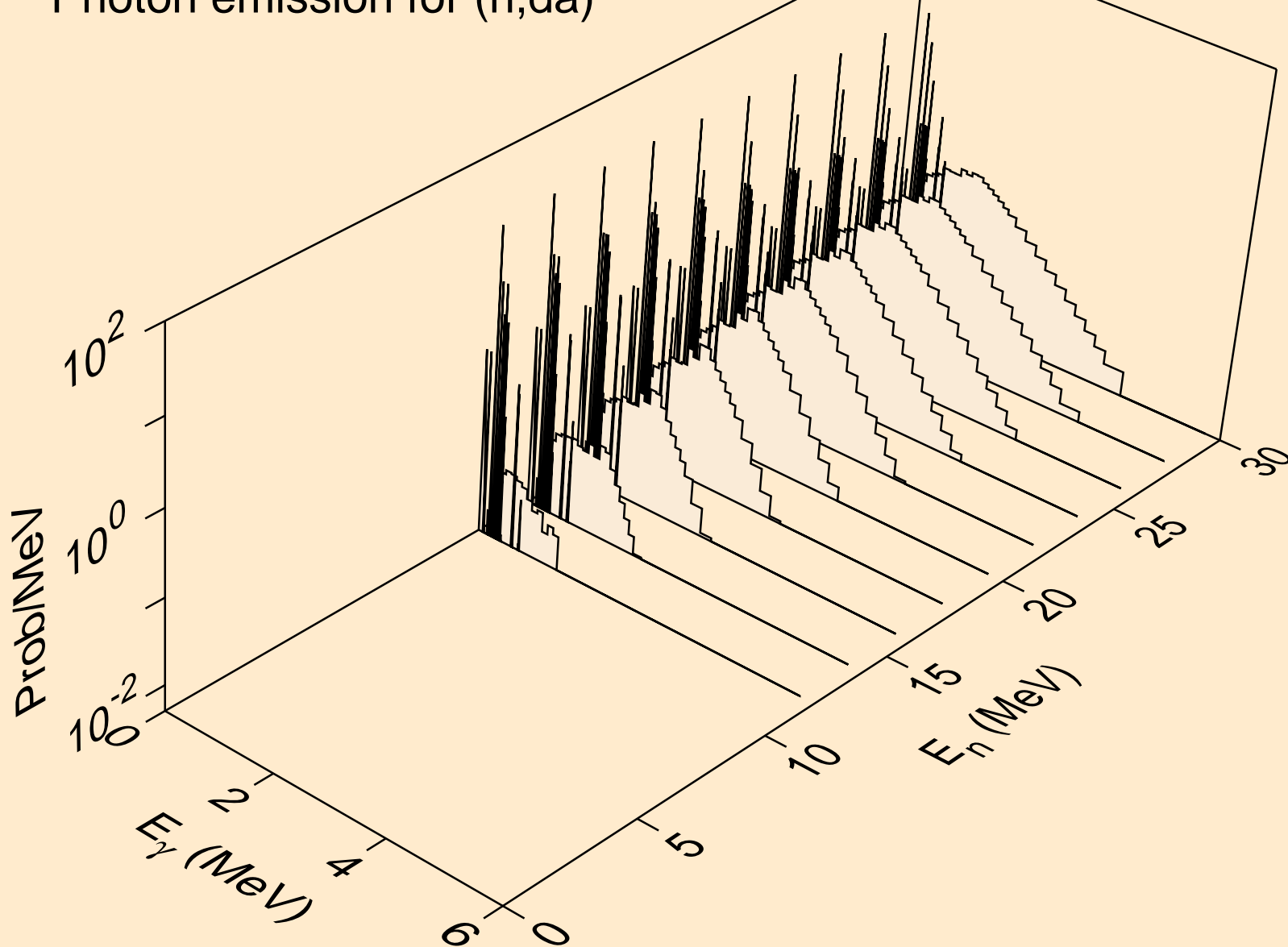
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,pd)



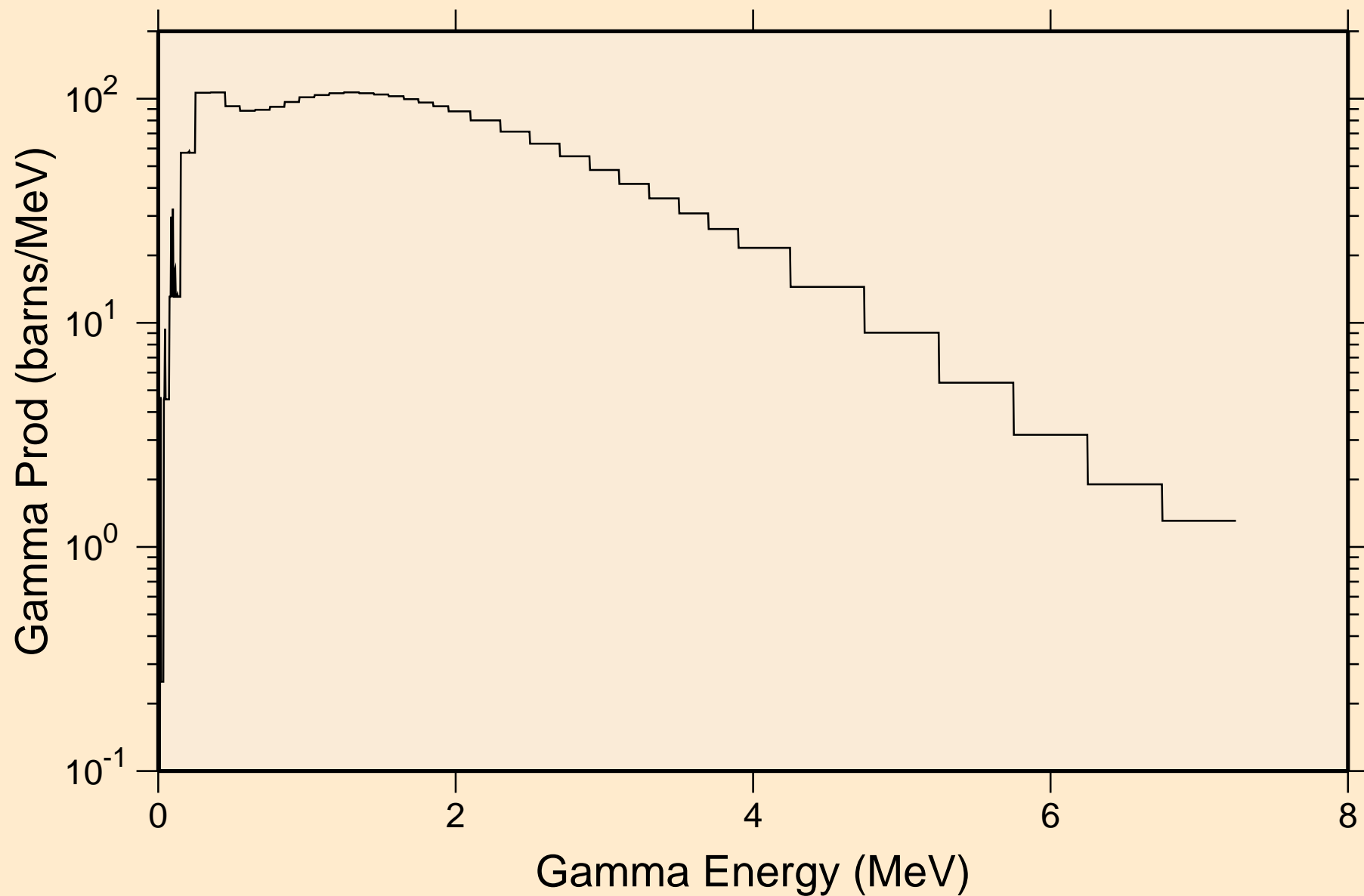
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,pt)



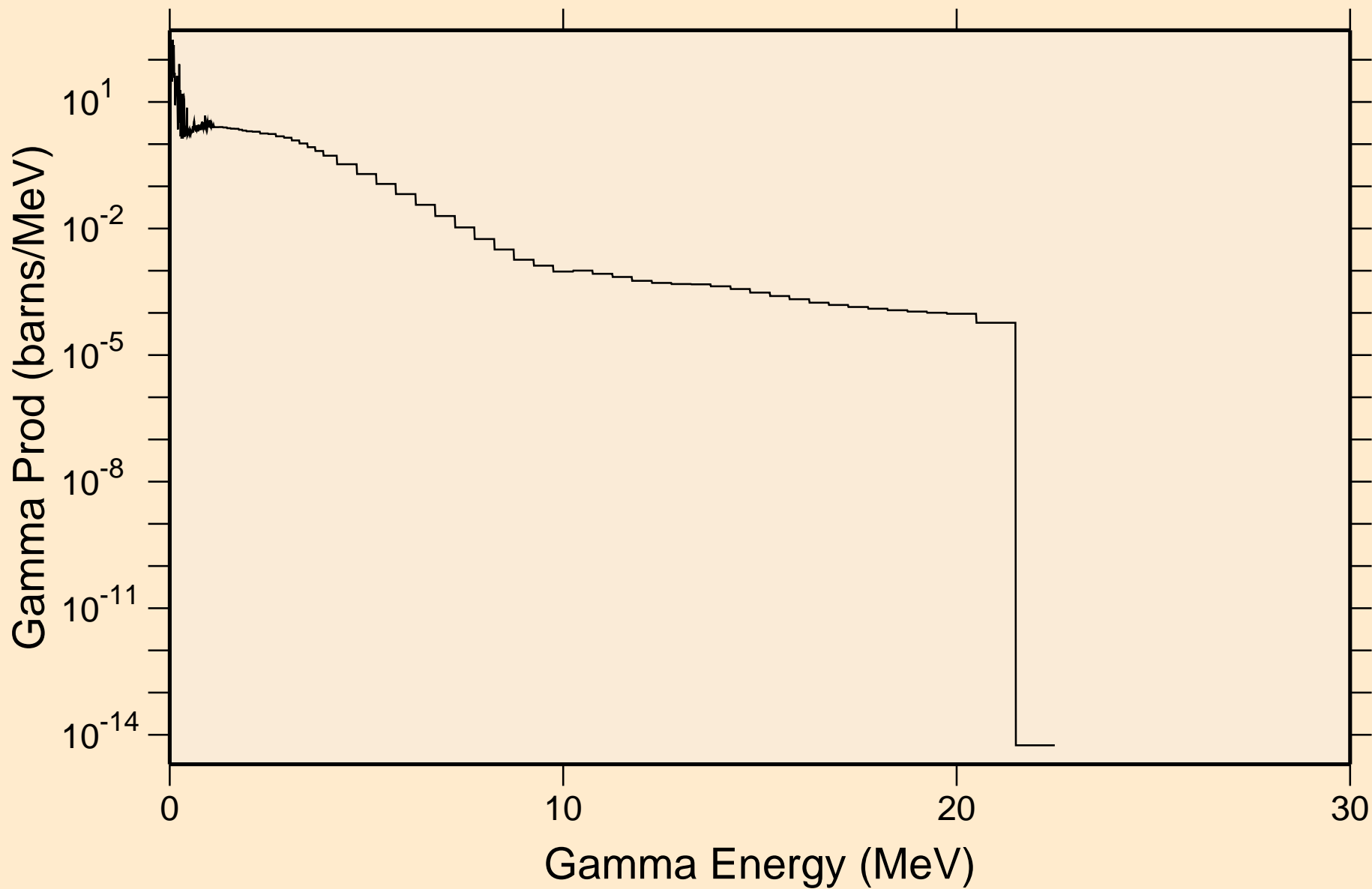
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,da)



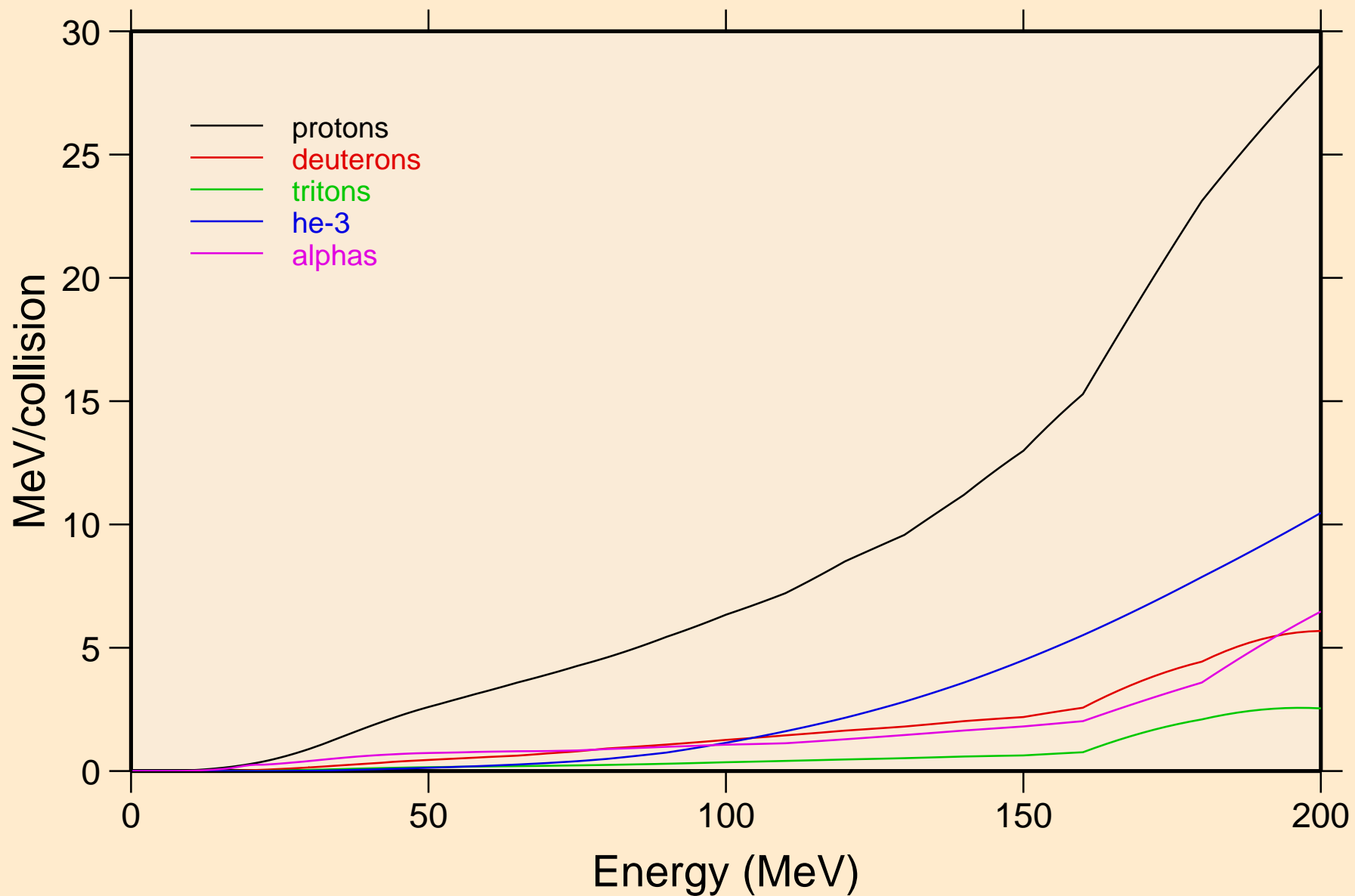
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
thermal capture photon spectrum



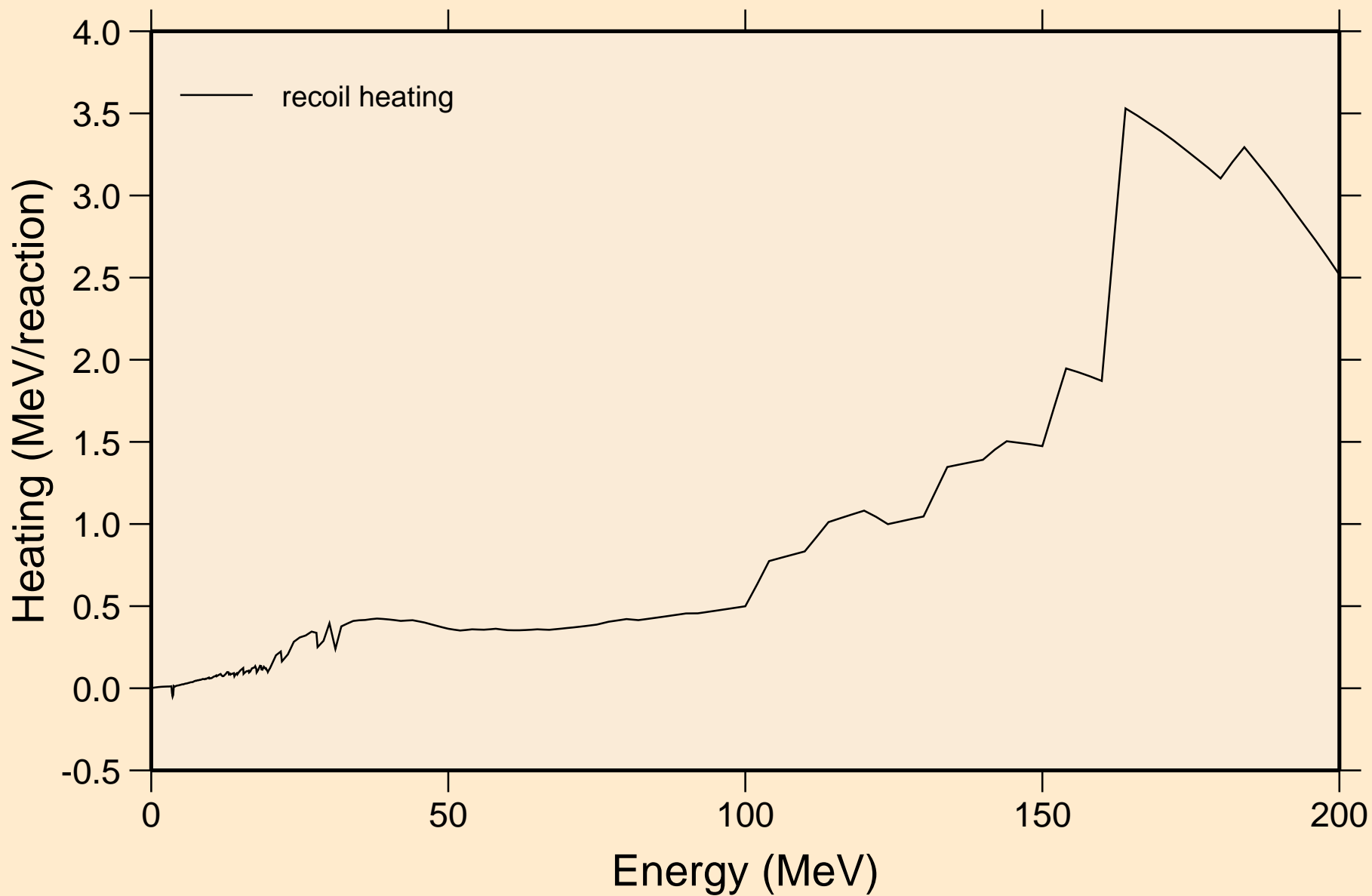
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
14 MeV photon spectrum



OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Particle heating contributions

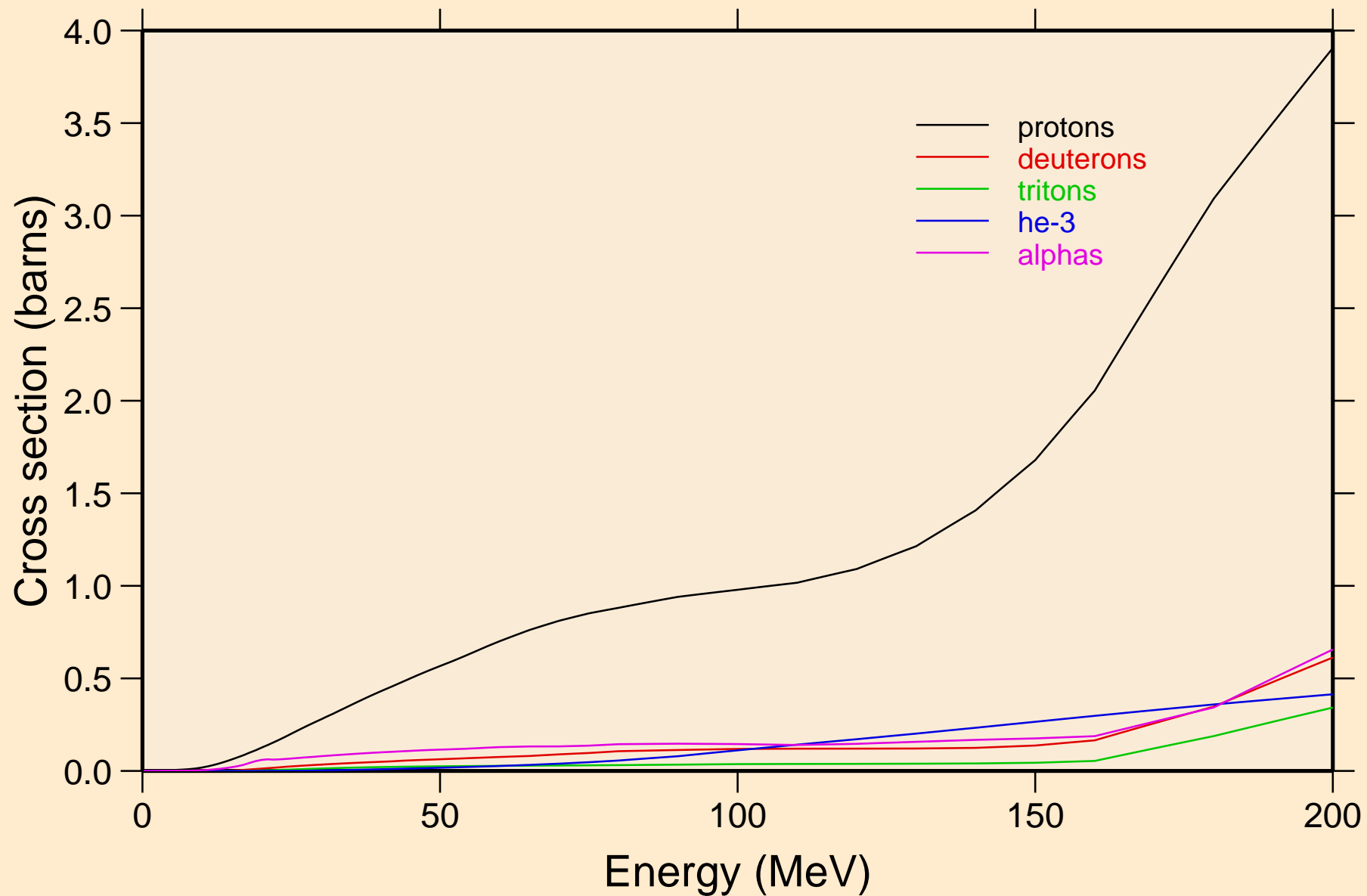


OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Recoil Heating

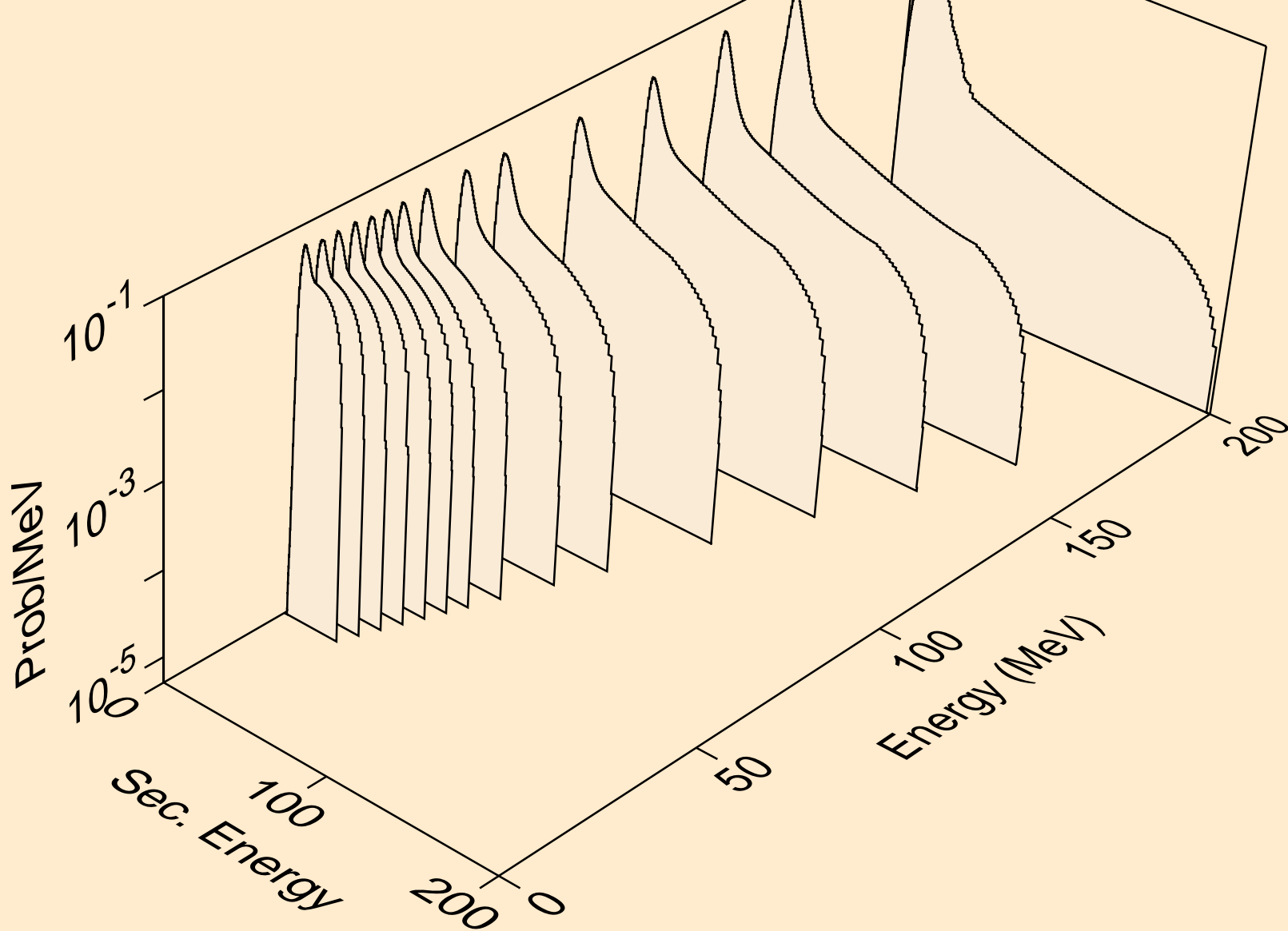




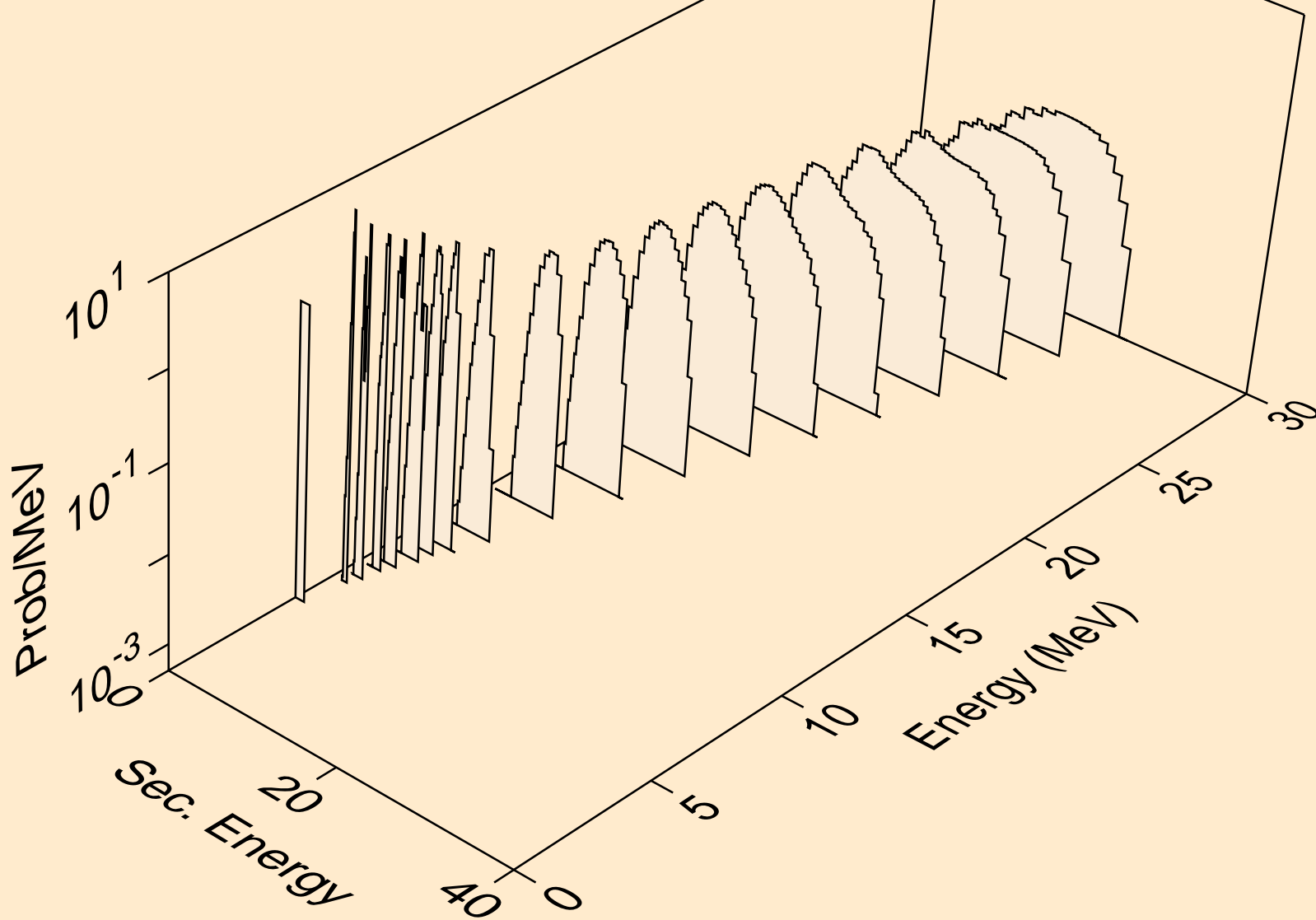
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Particle production cross sections



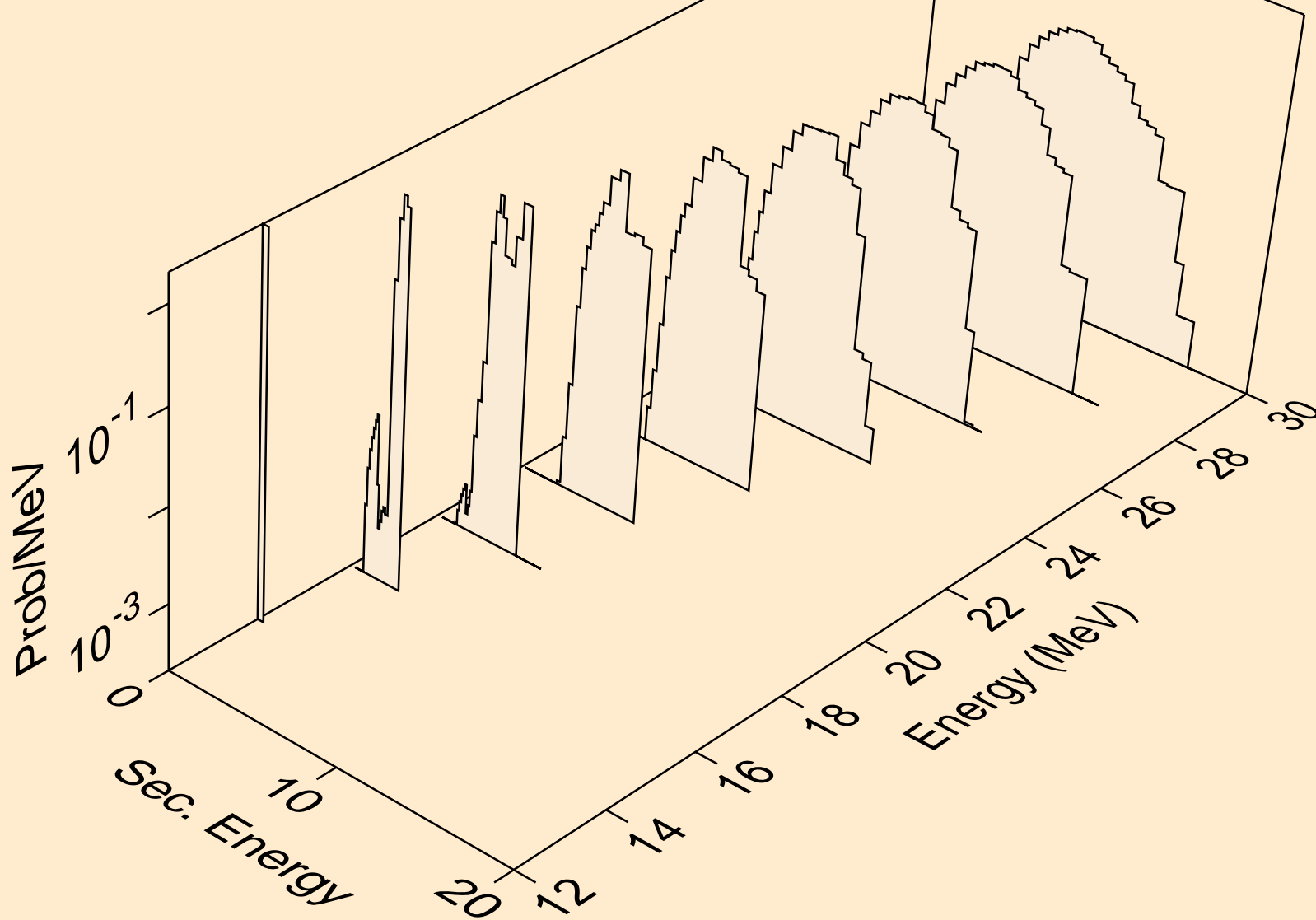
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,x)



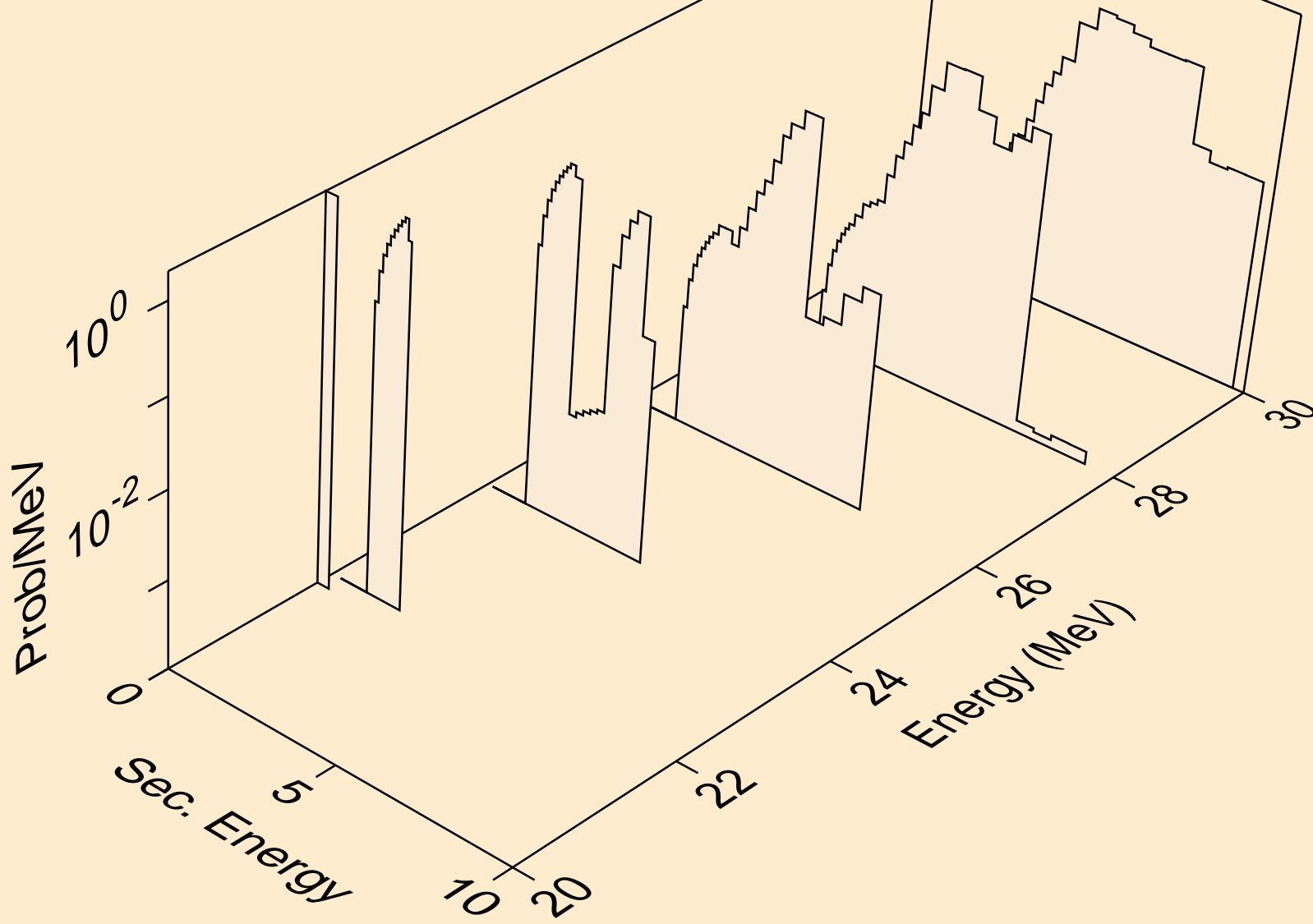
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,n\*)p



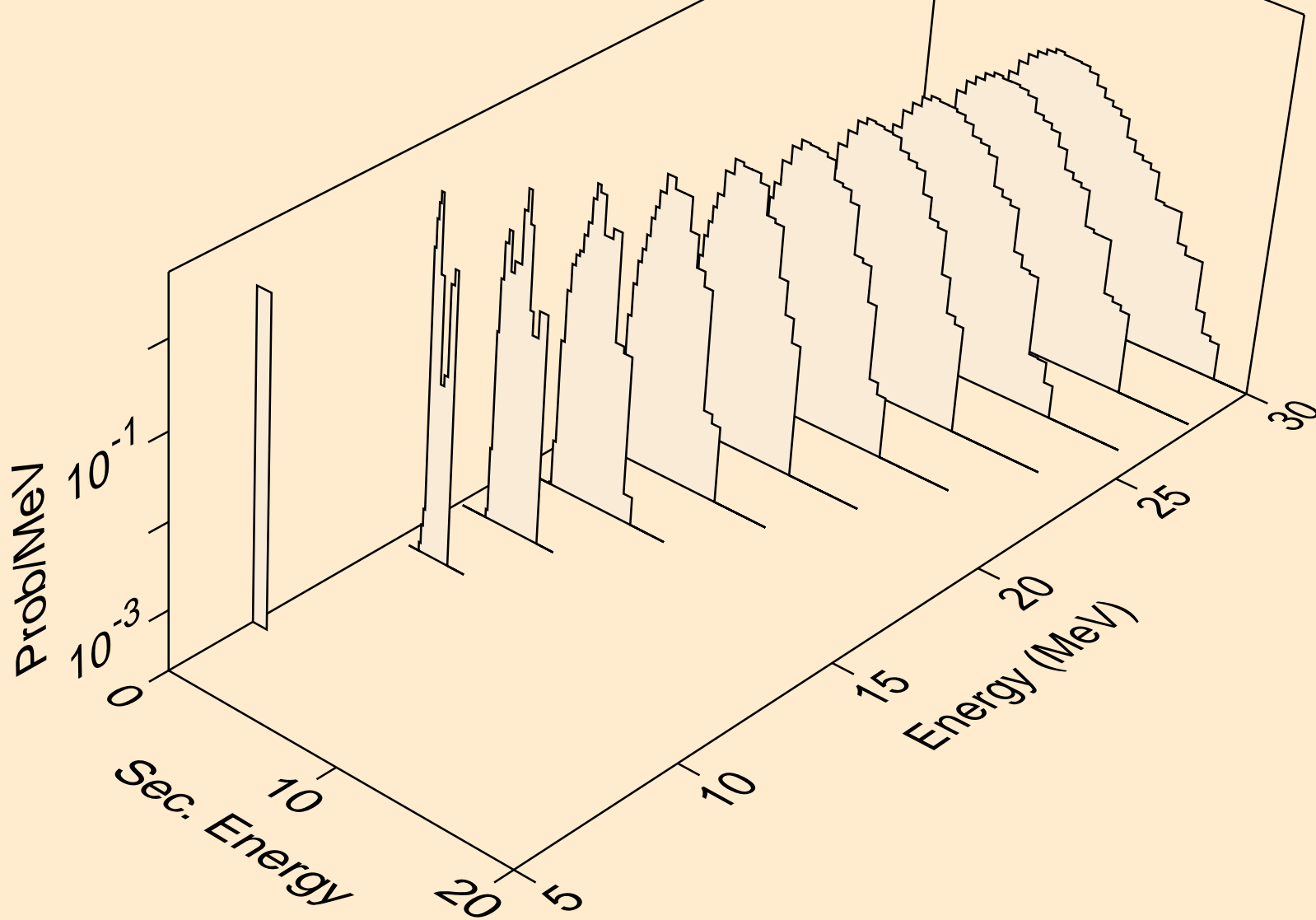
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,2np)



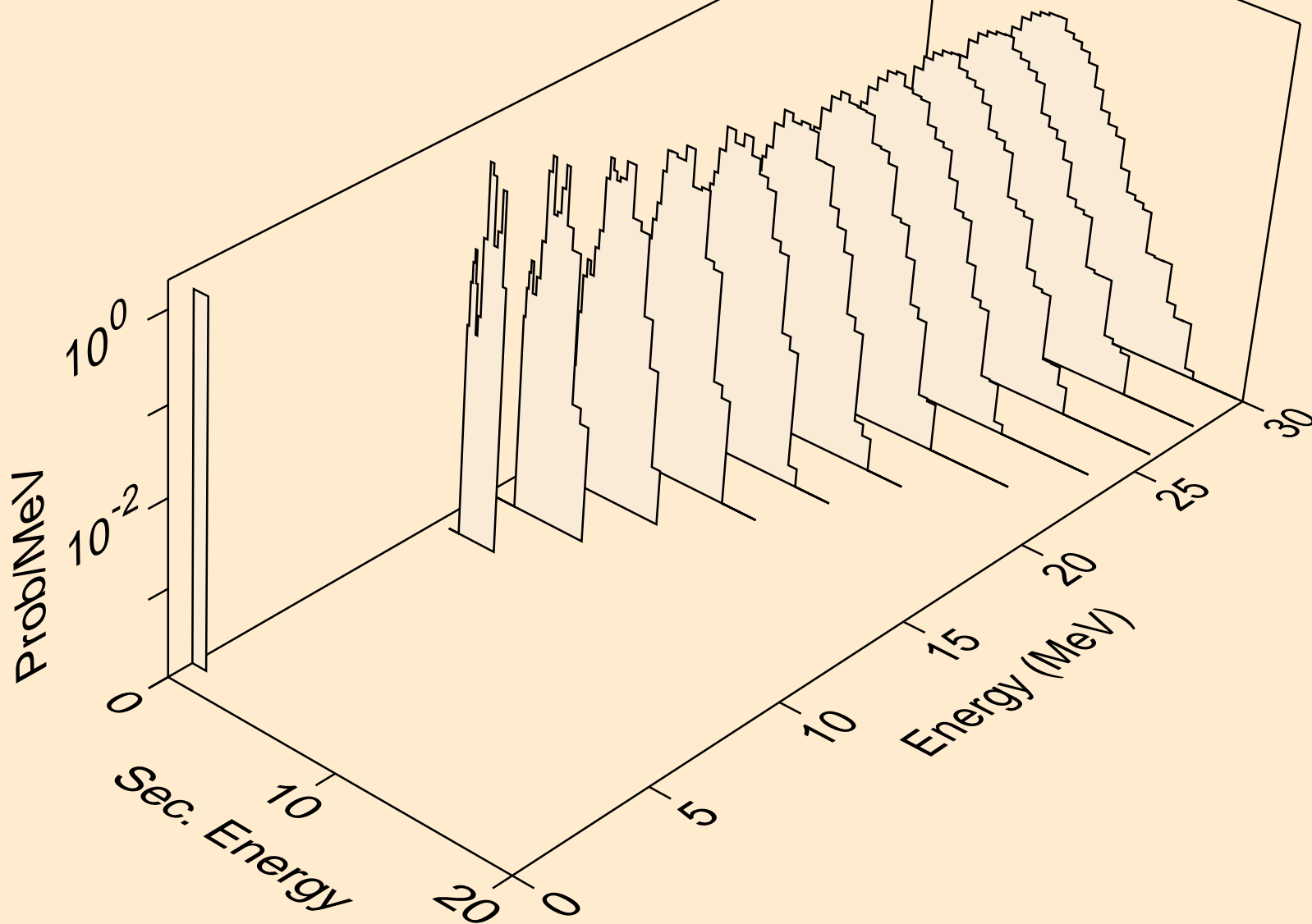
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,3np)



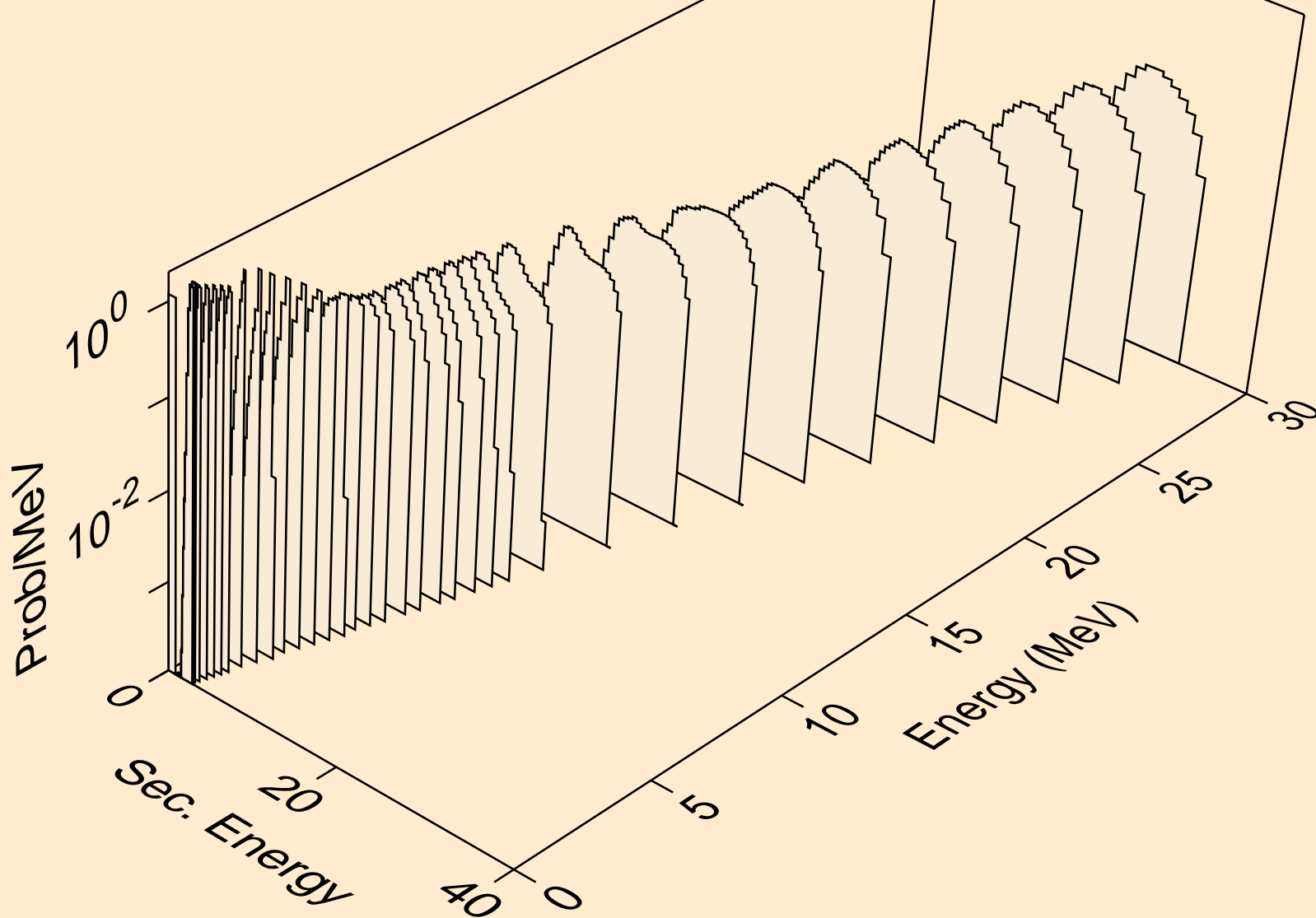
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,2np)



OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,npa)

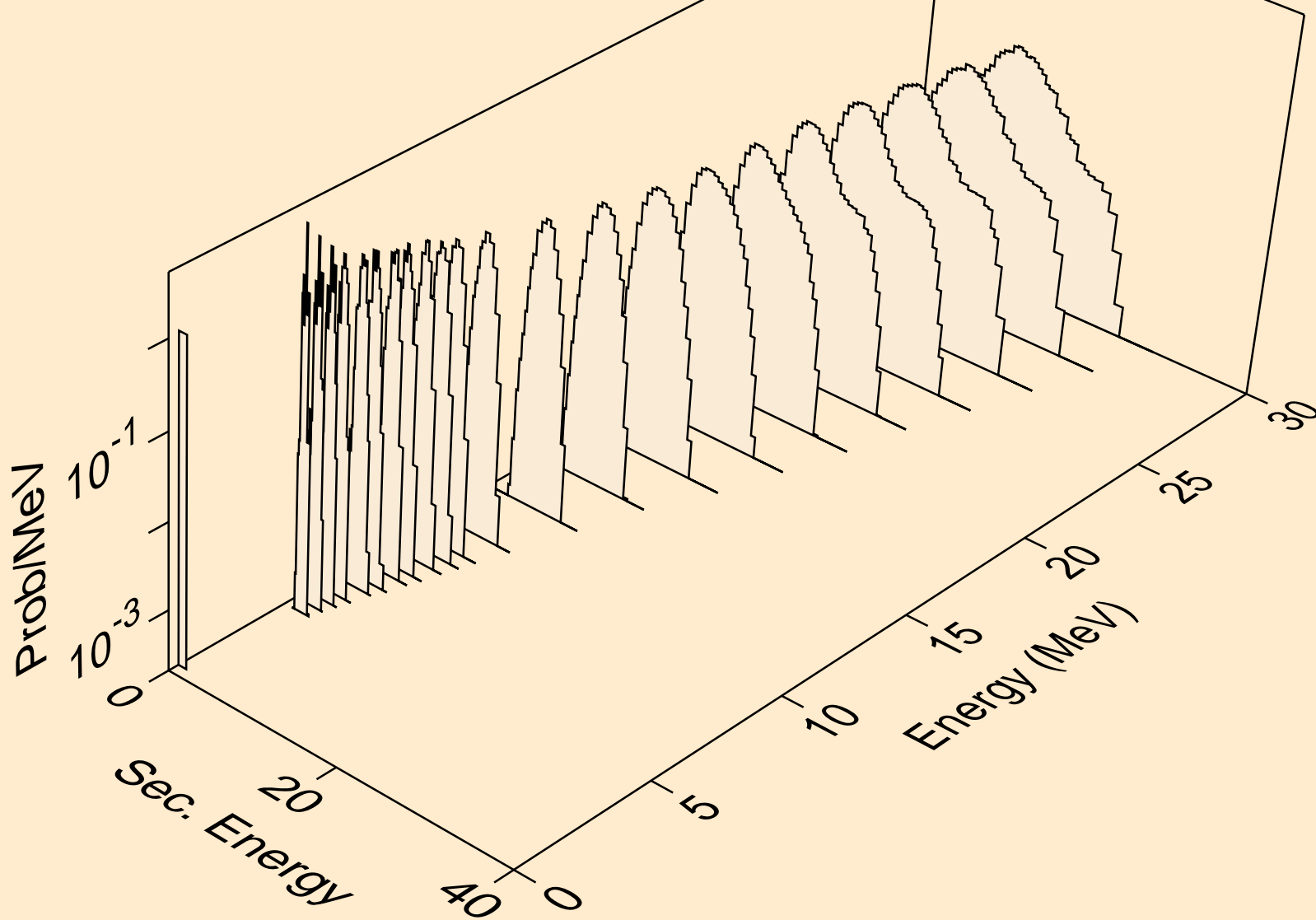


OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,p)

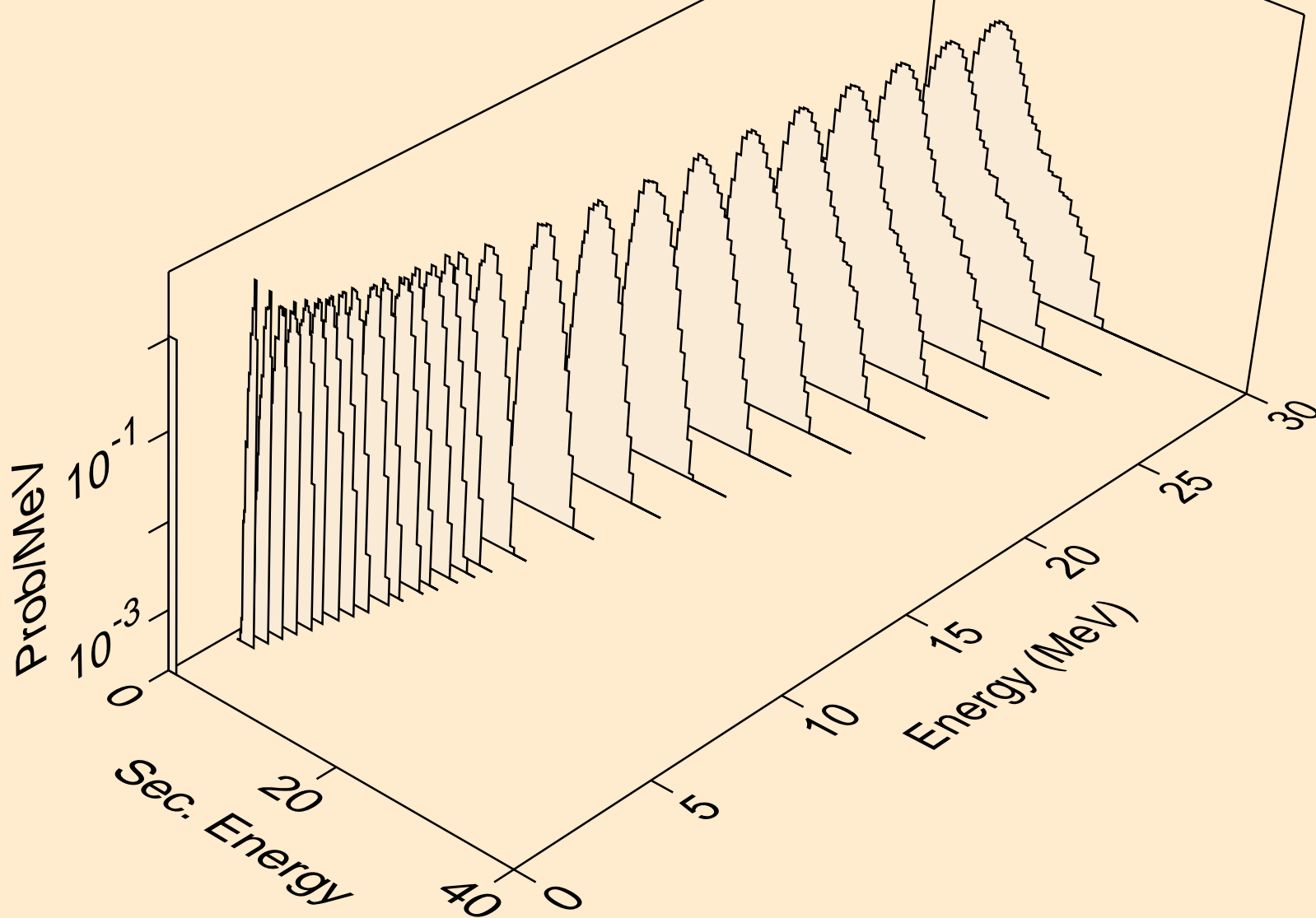




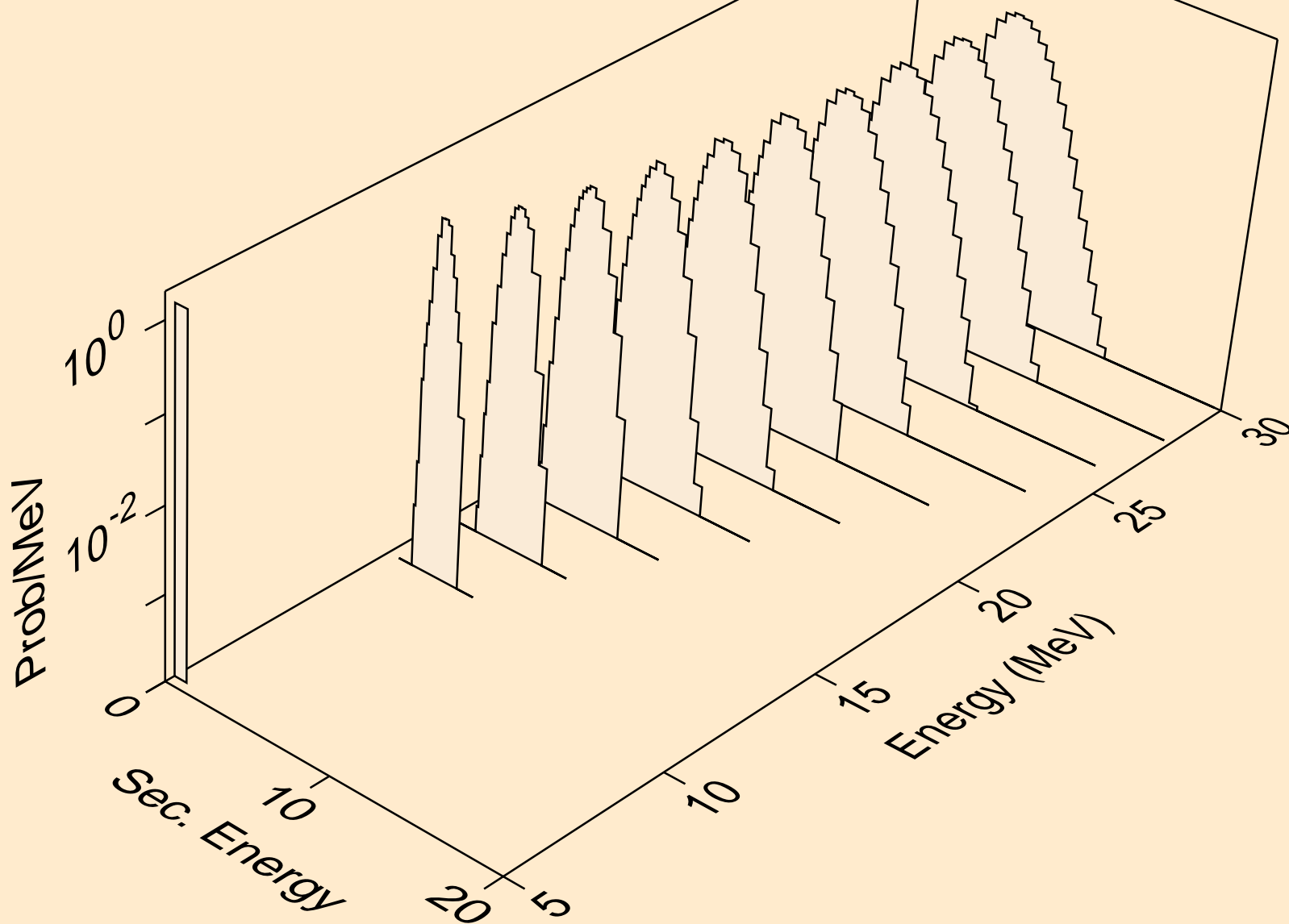
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,2p)



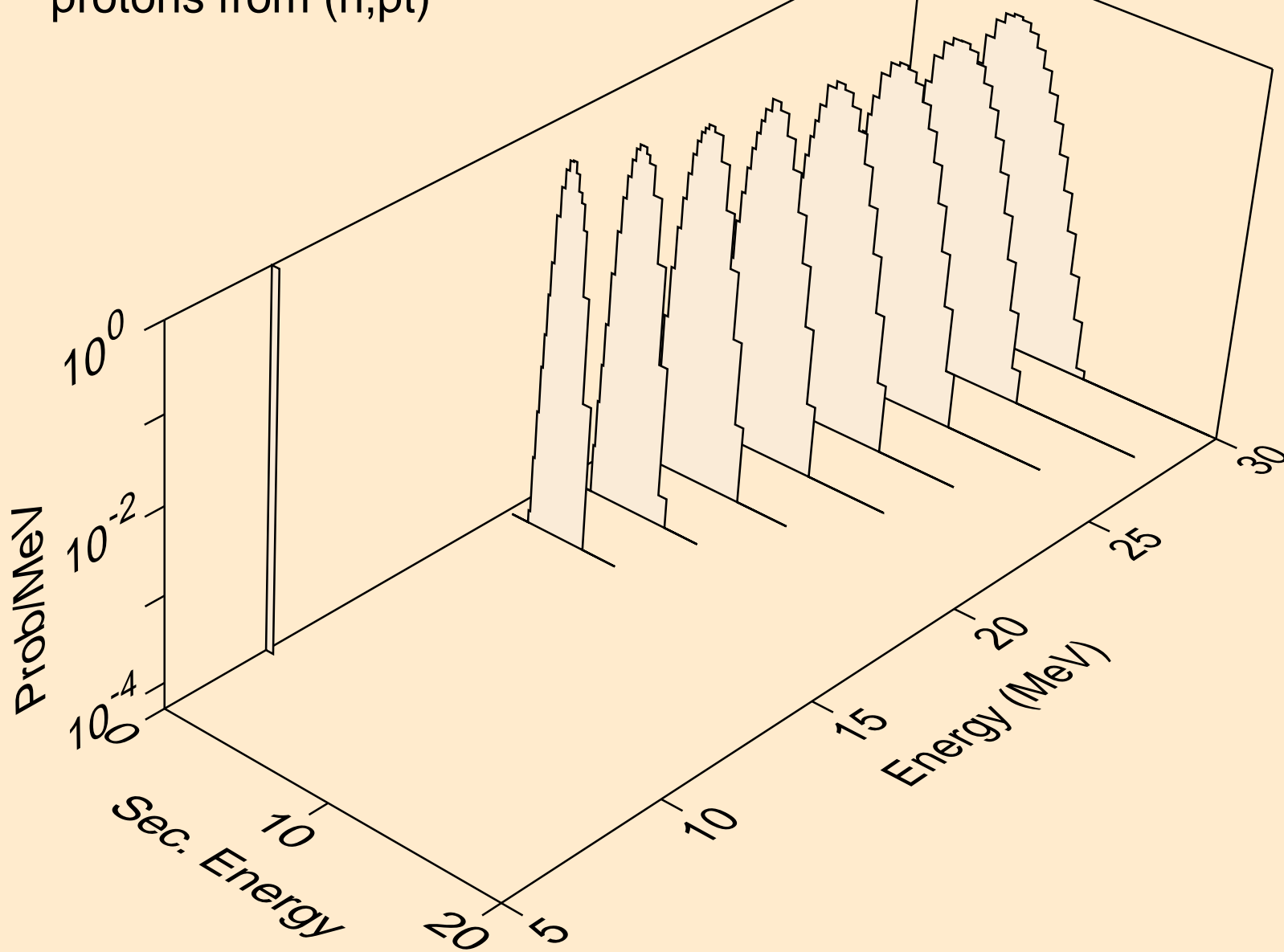
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,p)



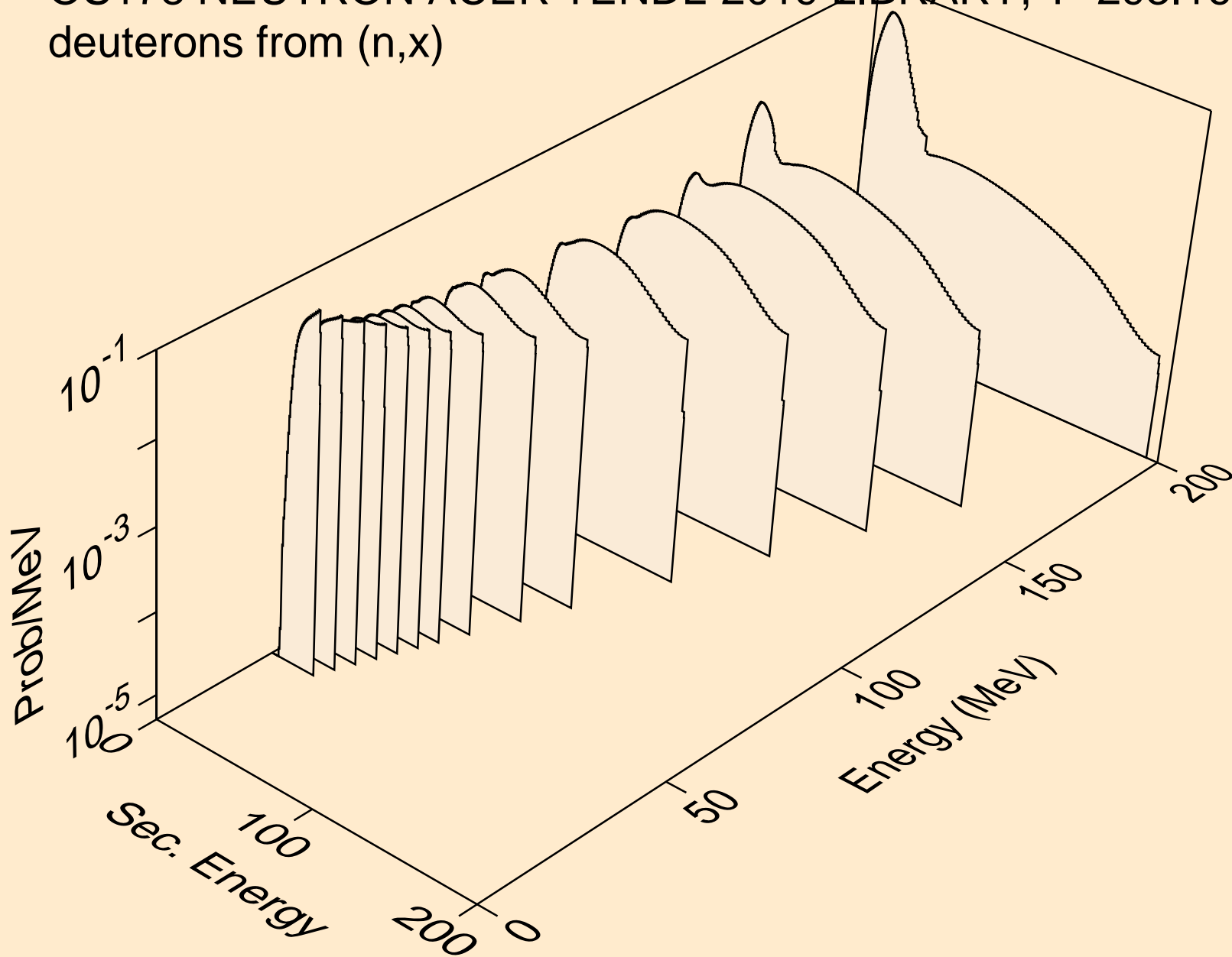
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,pd)



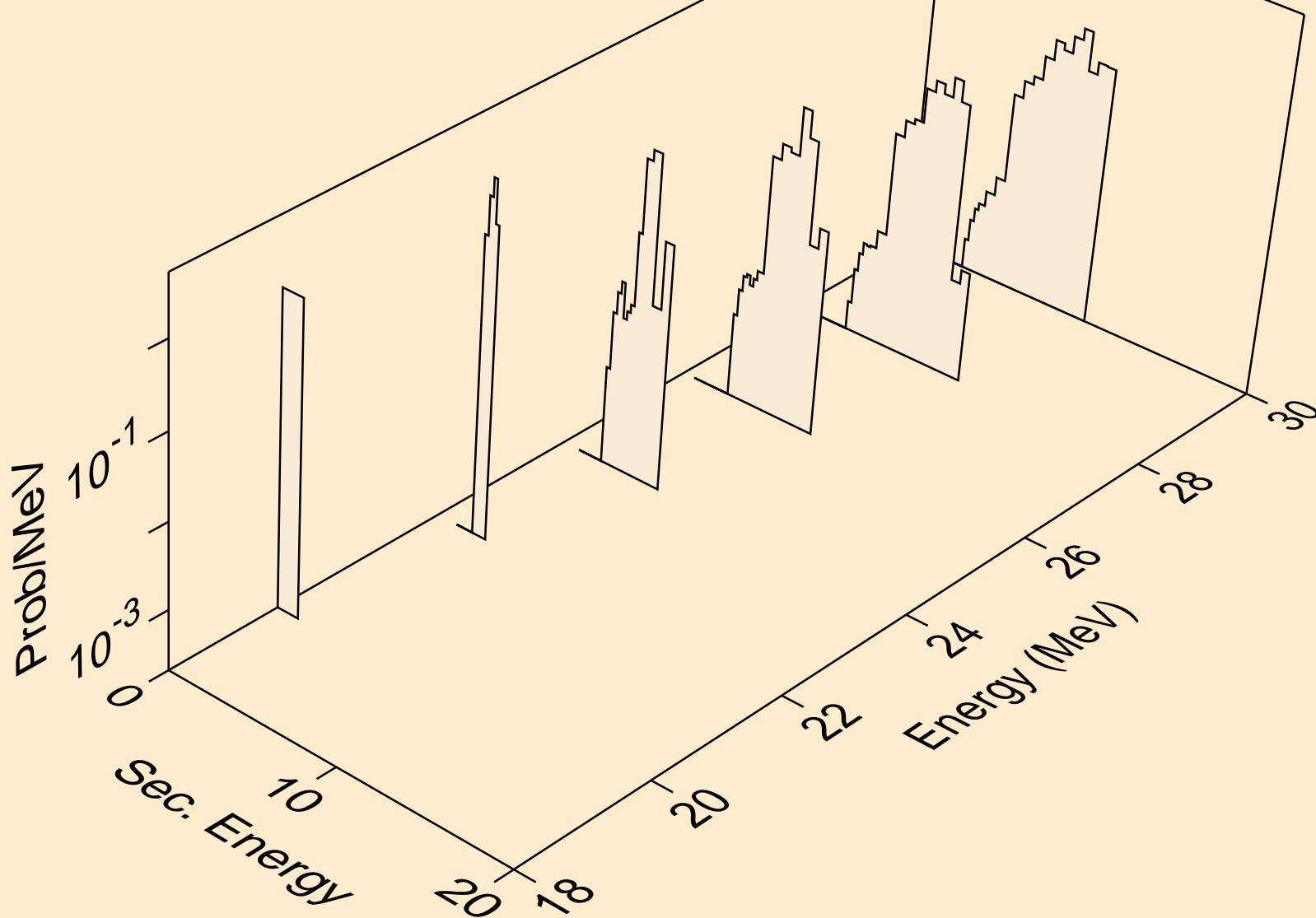
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,pt)



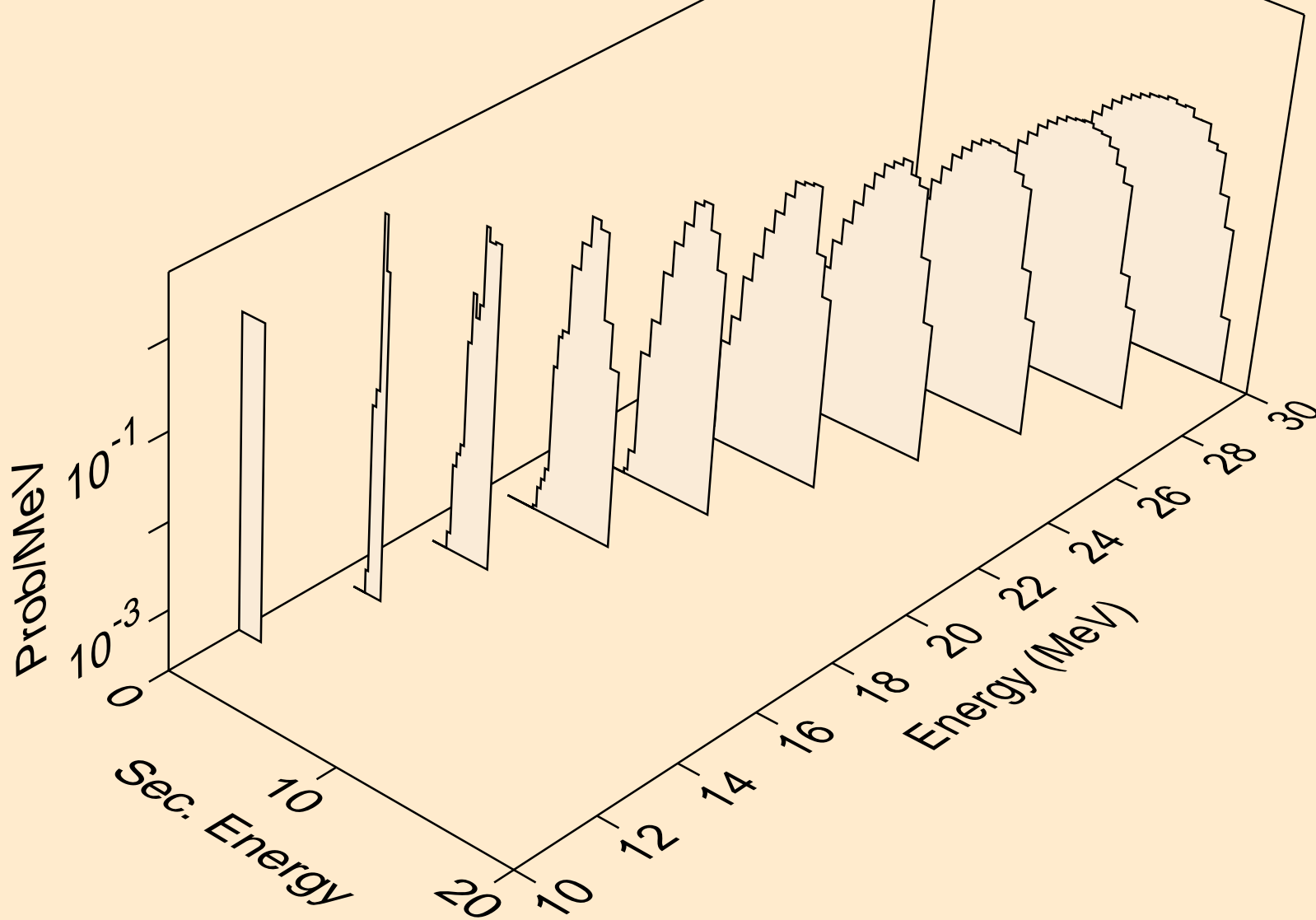
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,x)



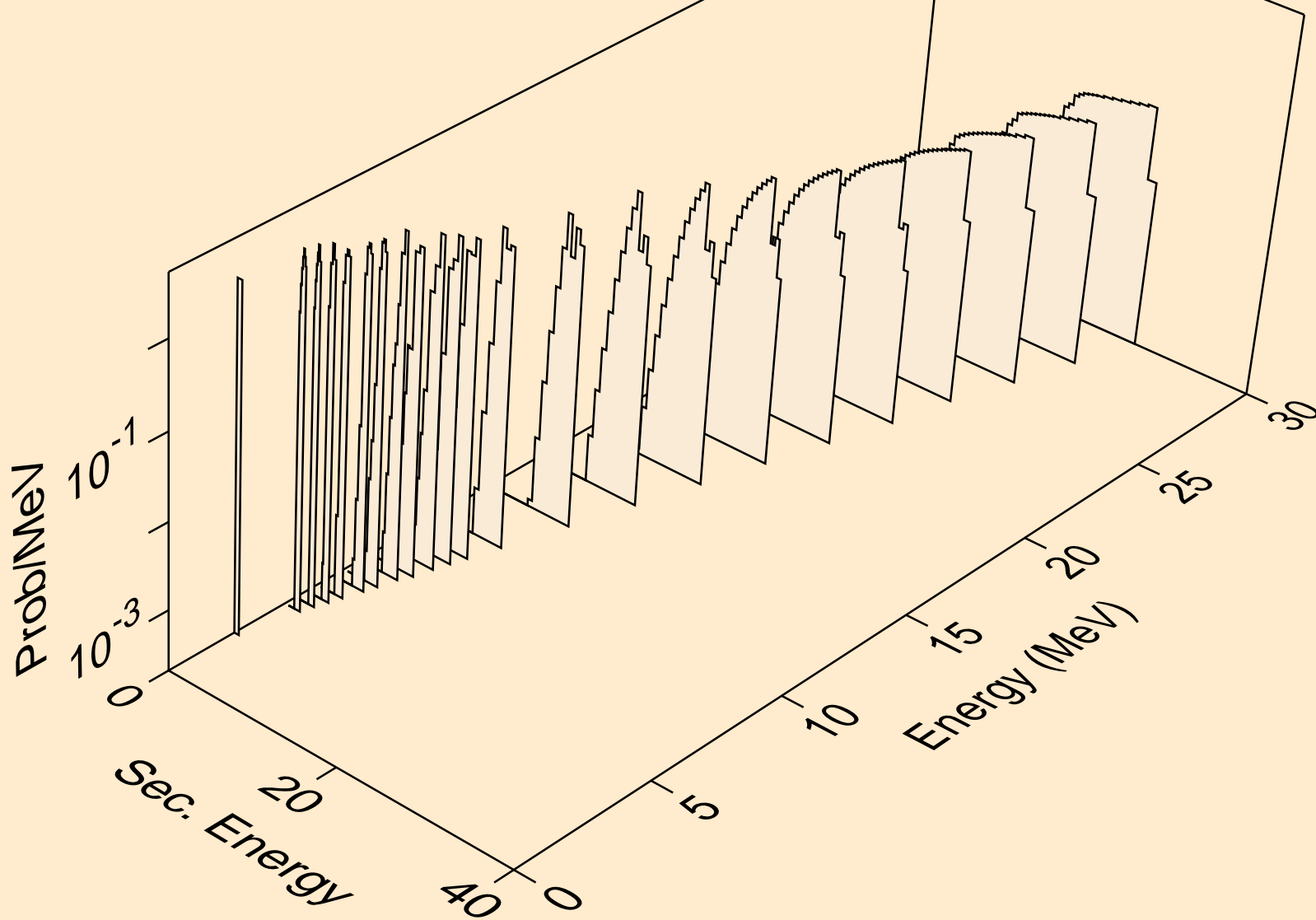
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,2nd)



OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,n\*)d

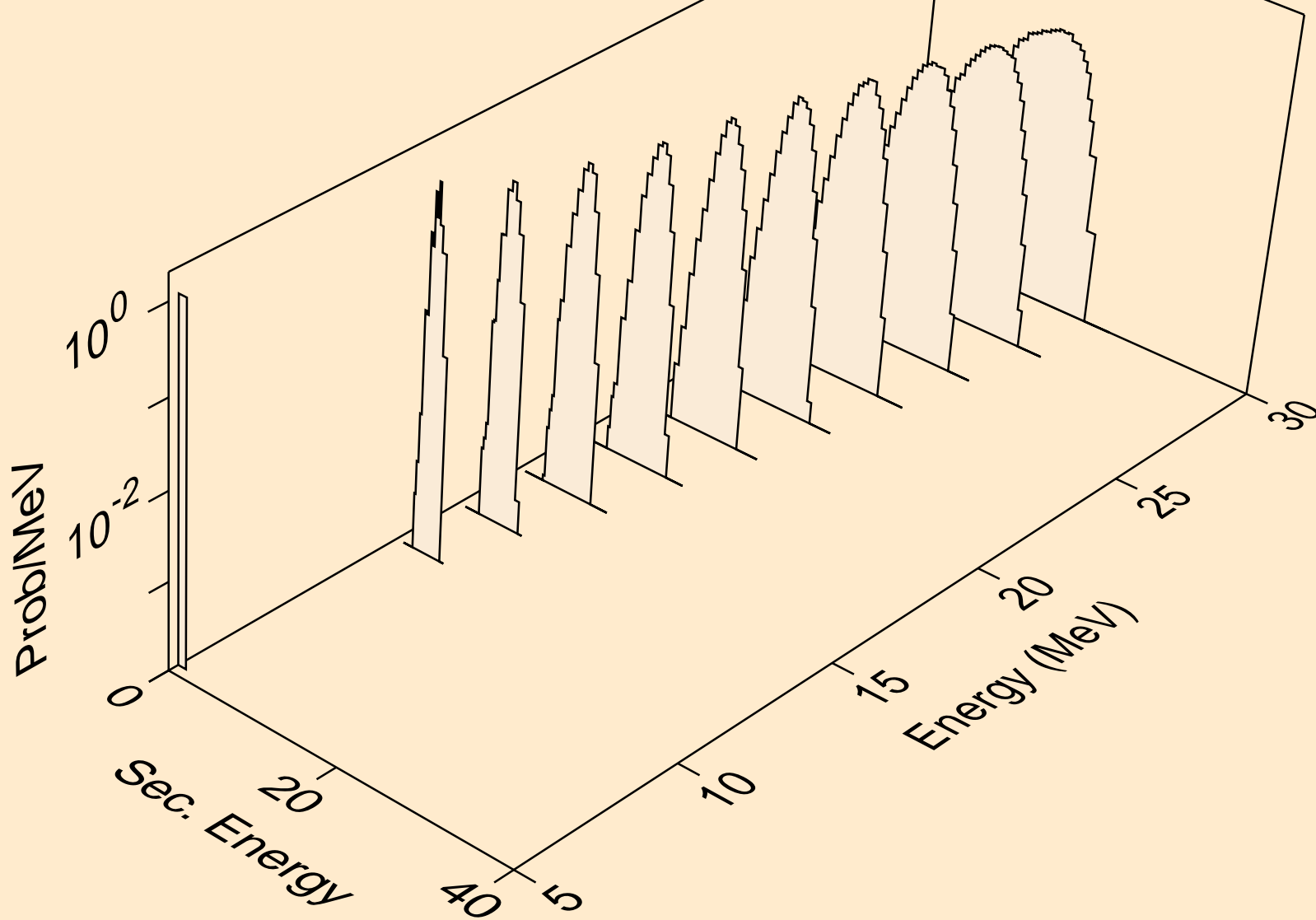


OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,d)

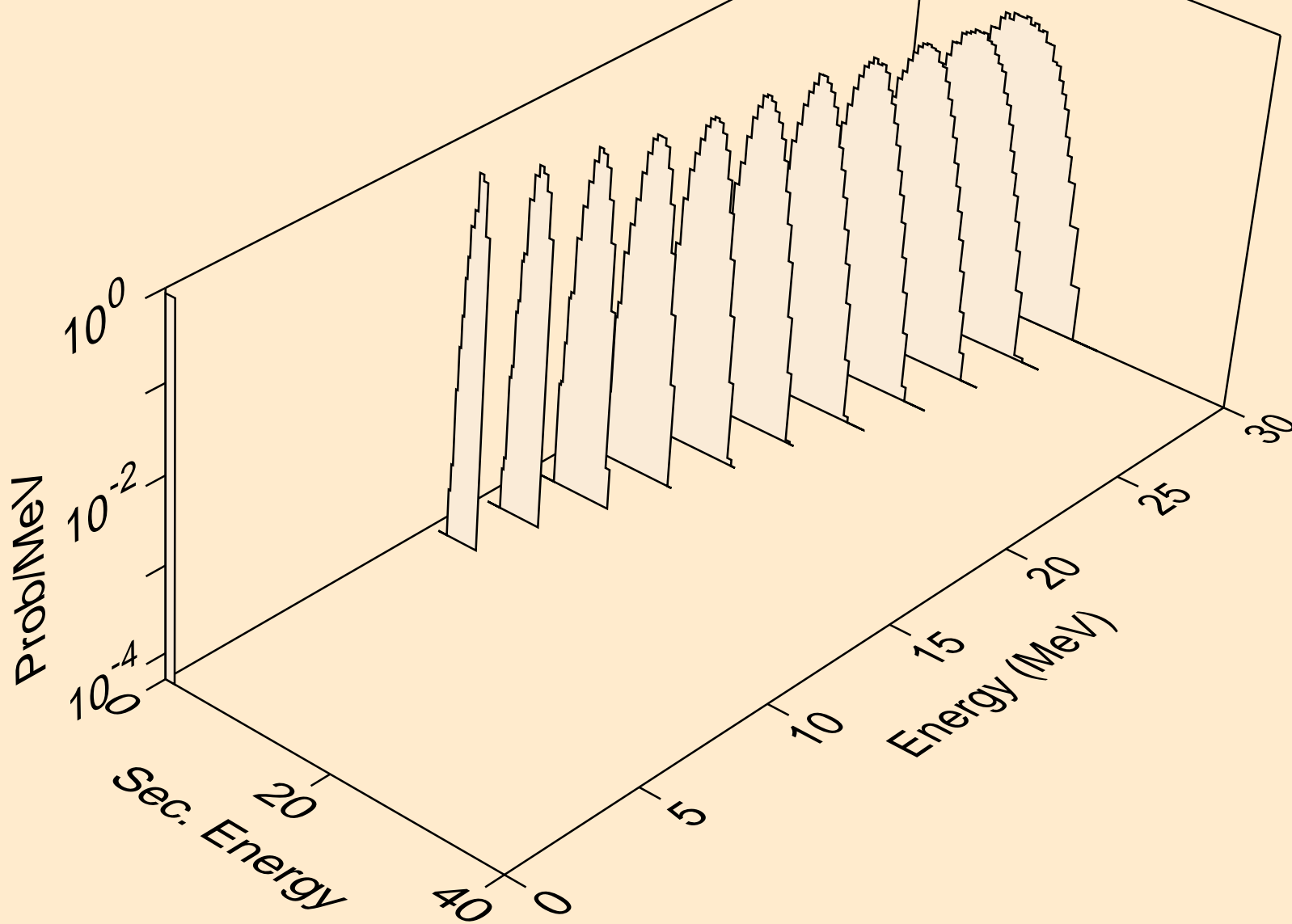




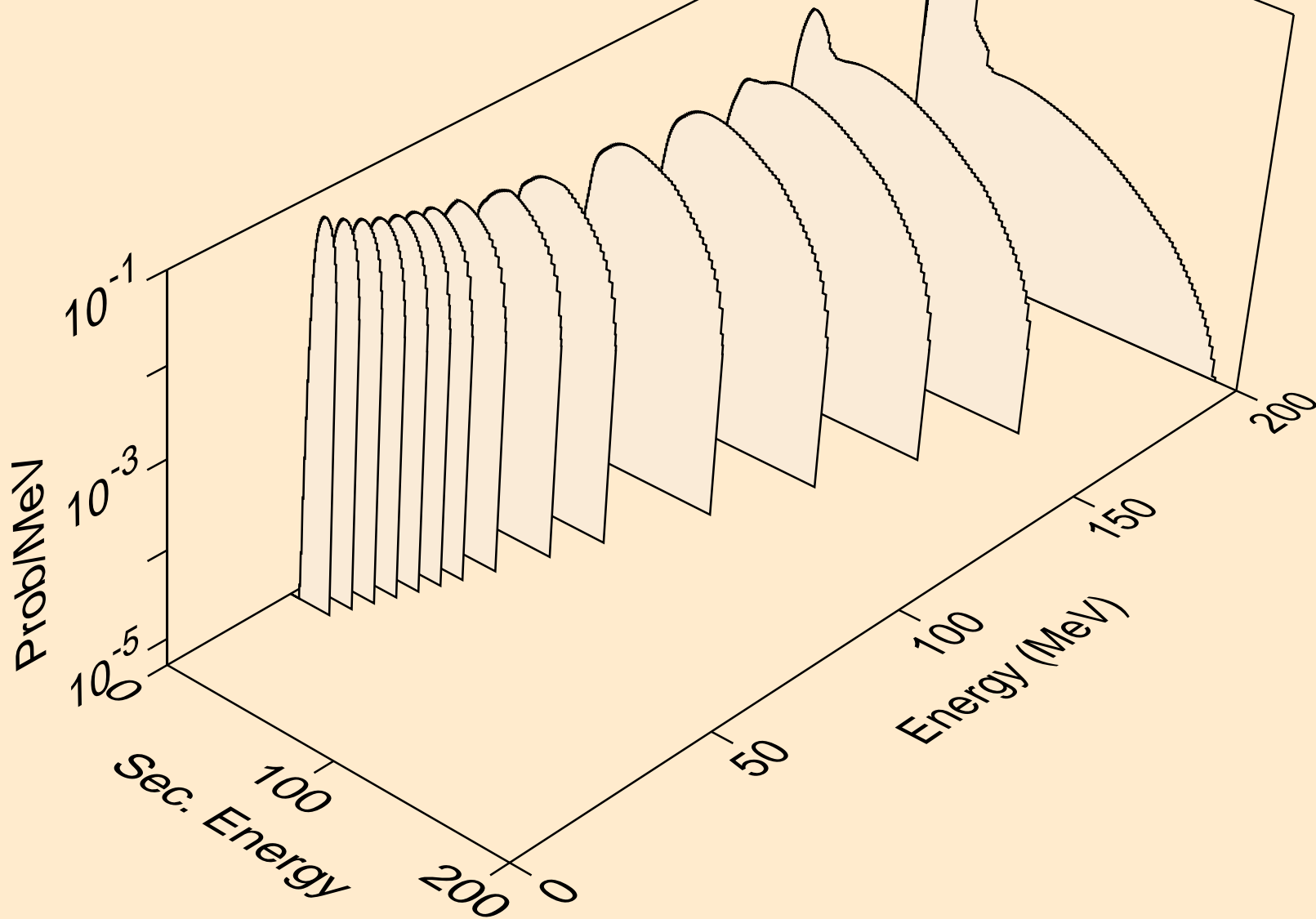
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,pd)



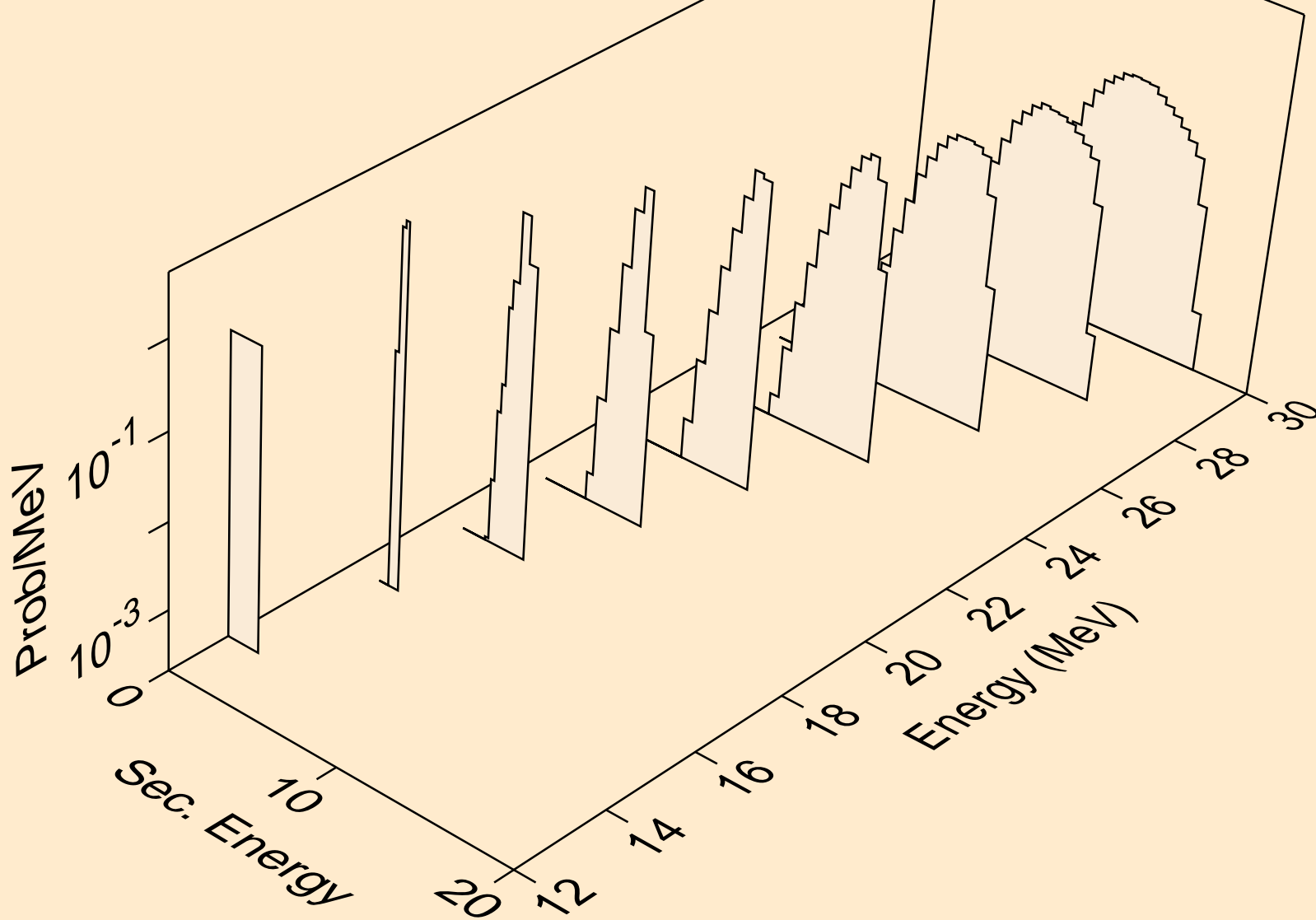
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,da)



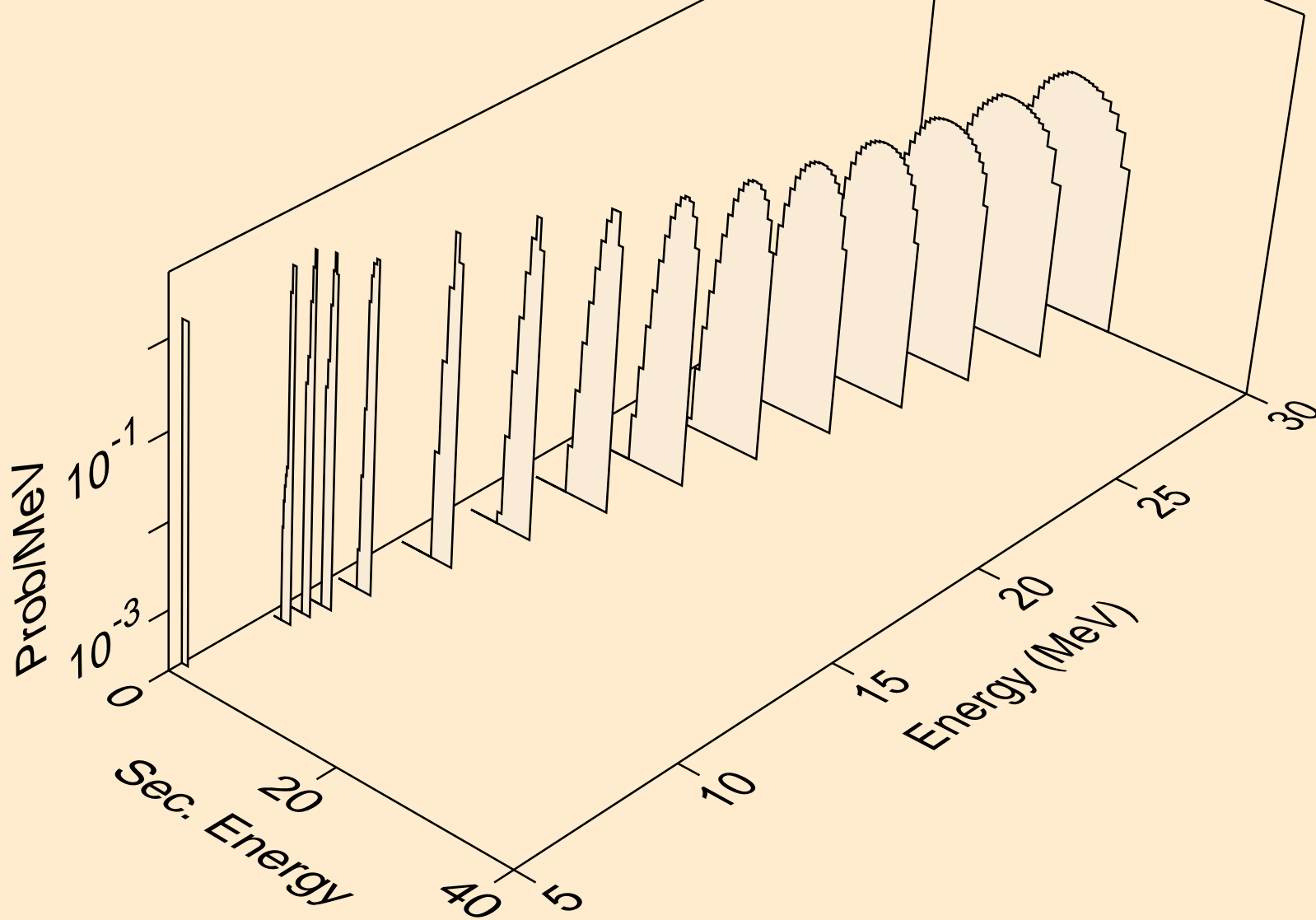
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,x)



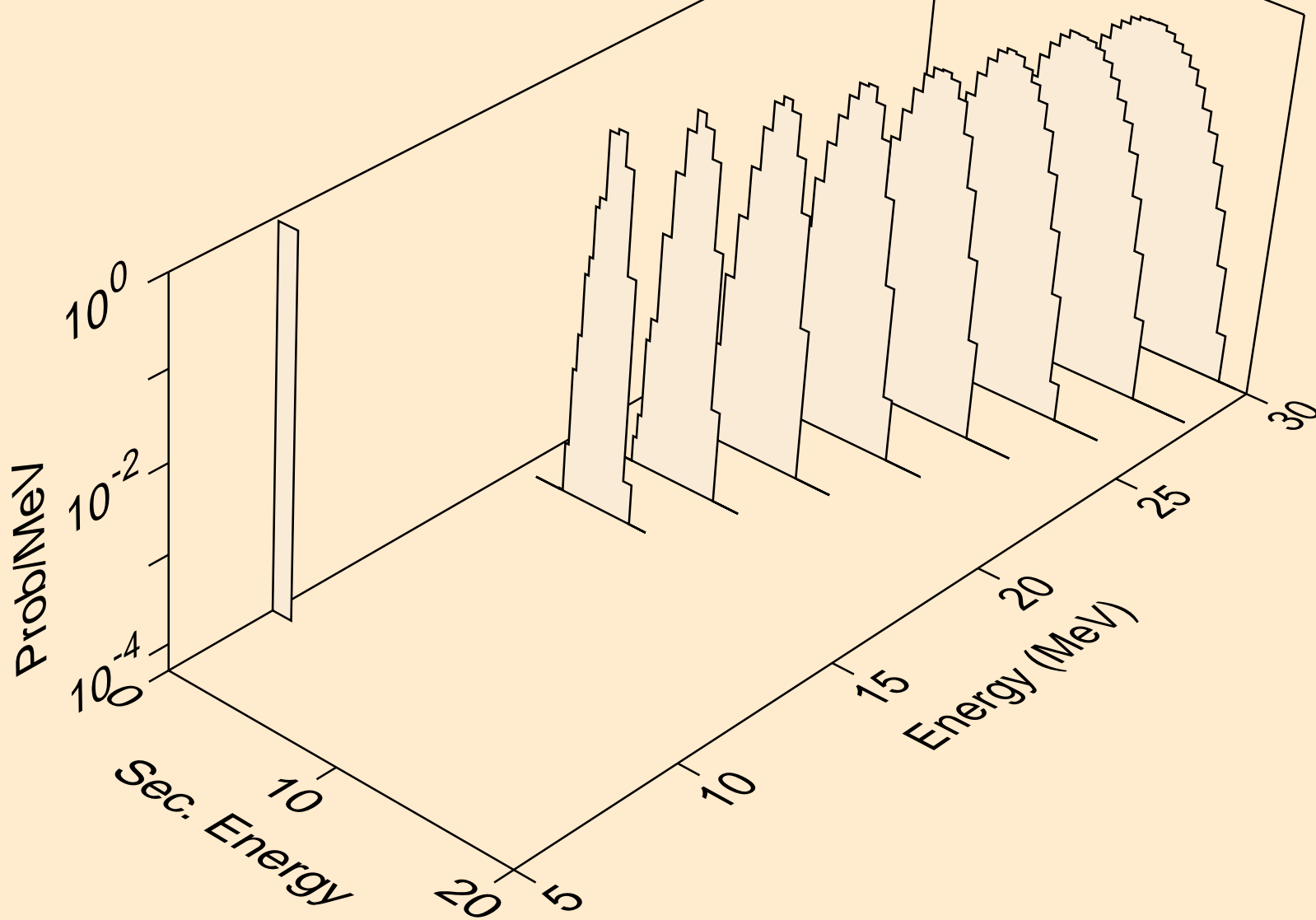
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,n\*)t



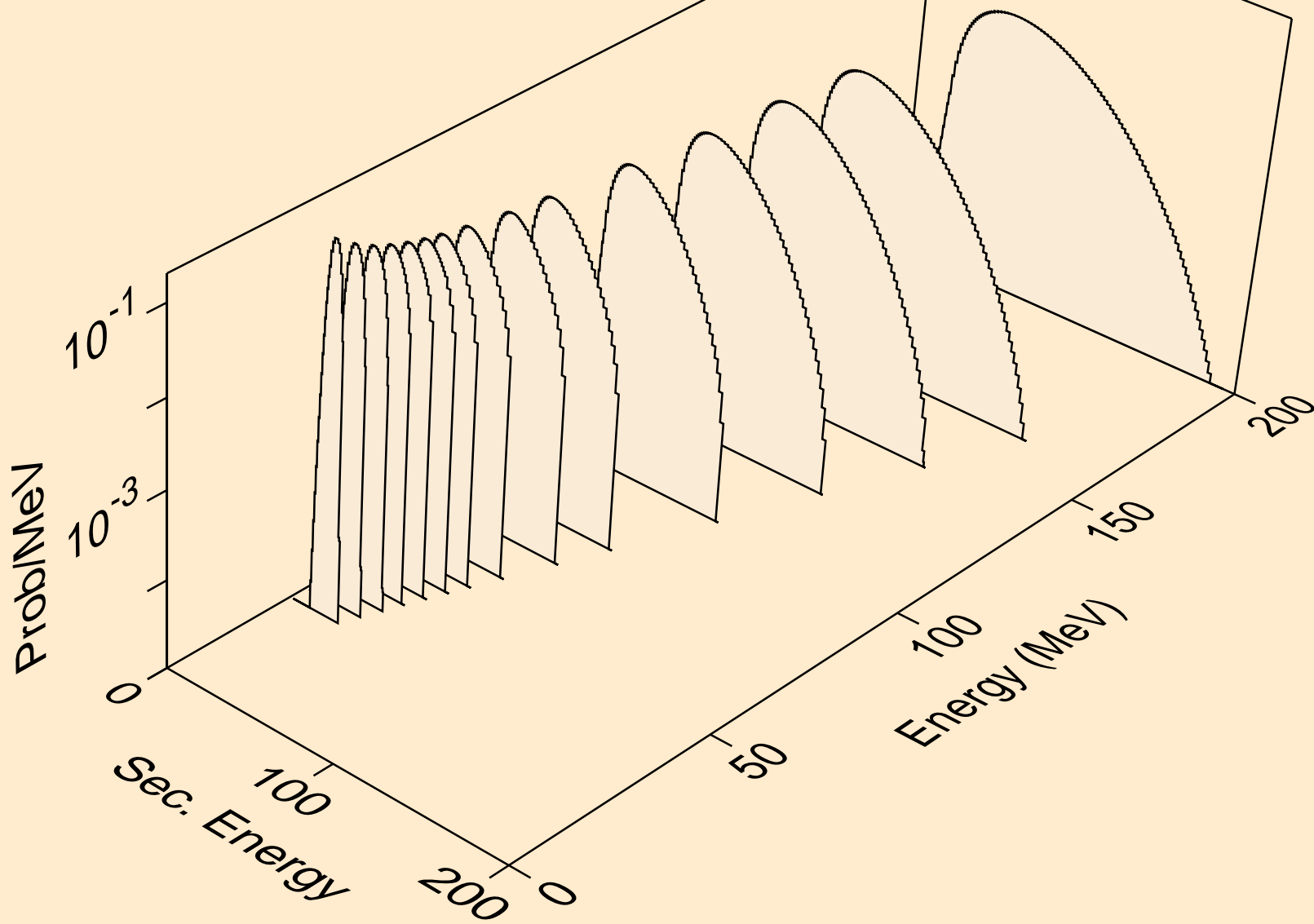
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,t)



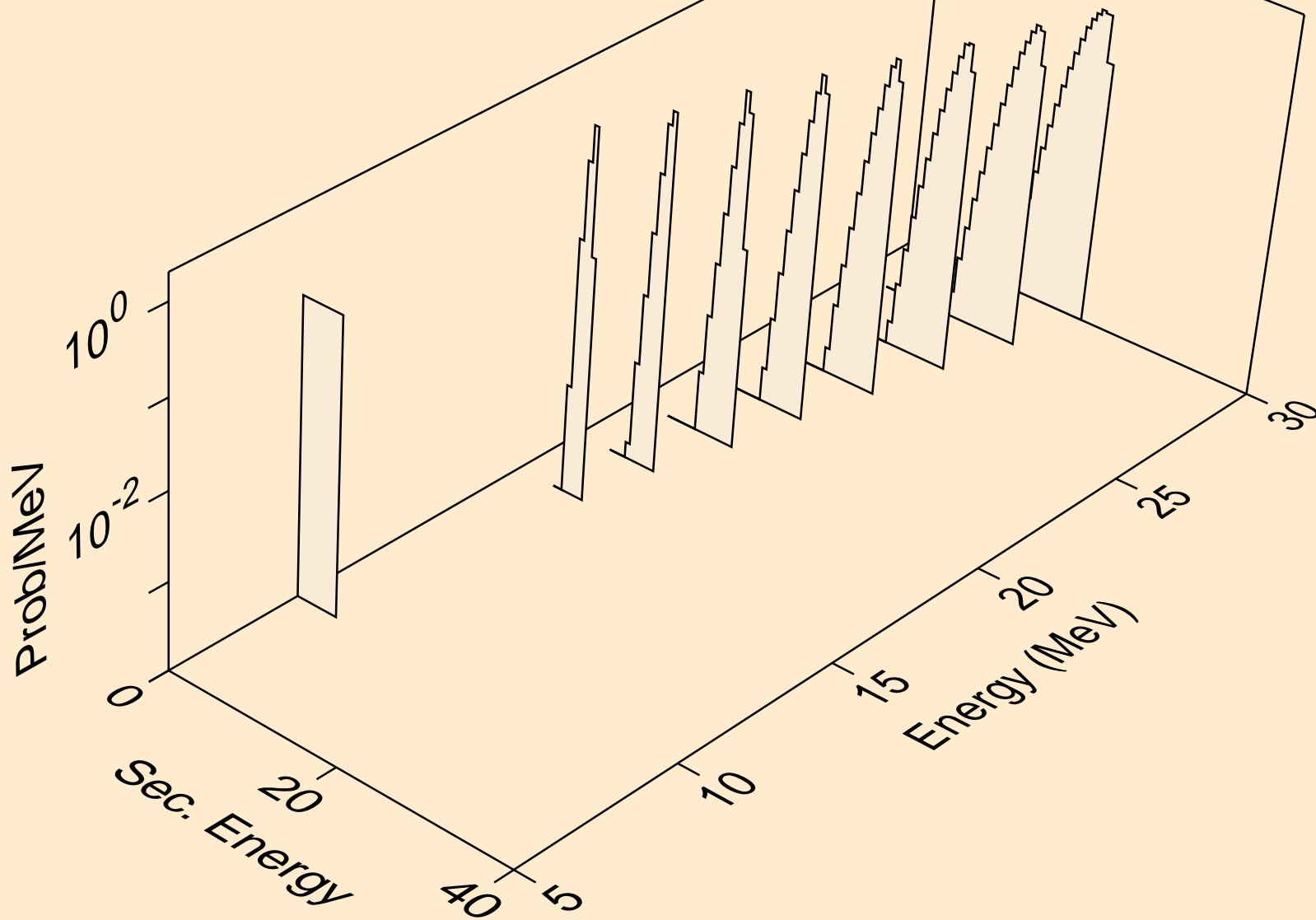
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,pt)



OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,x)

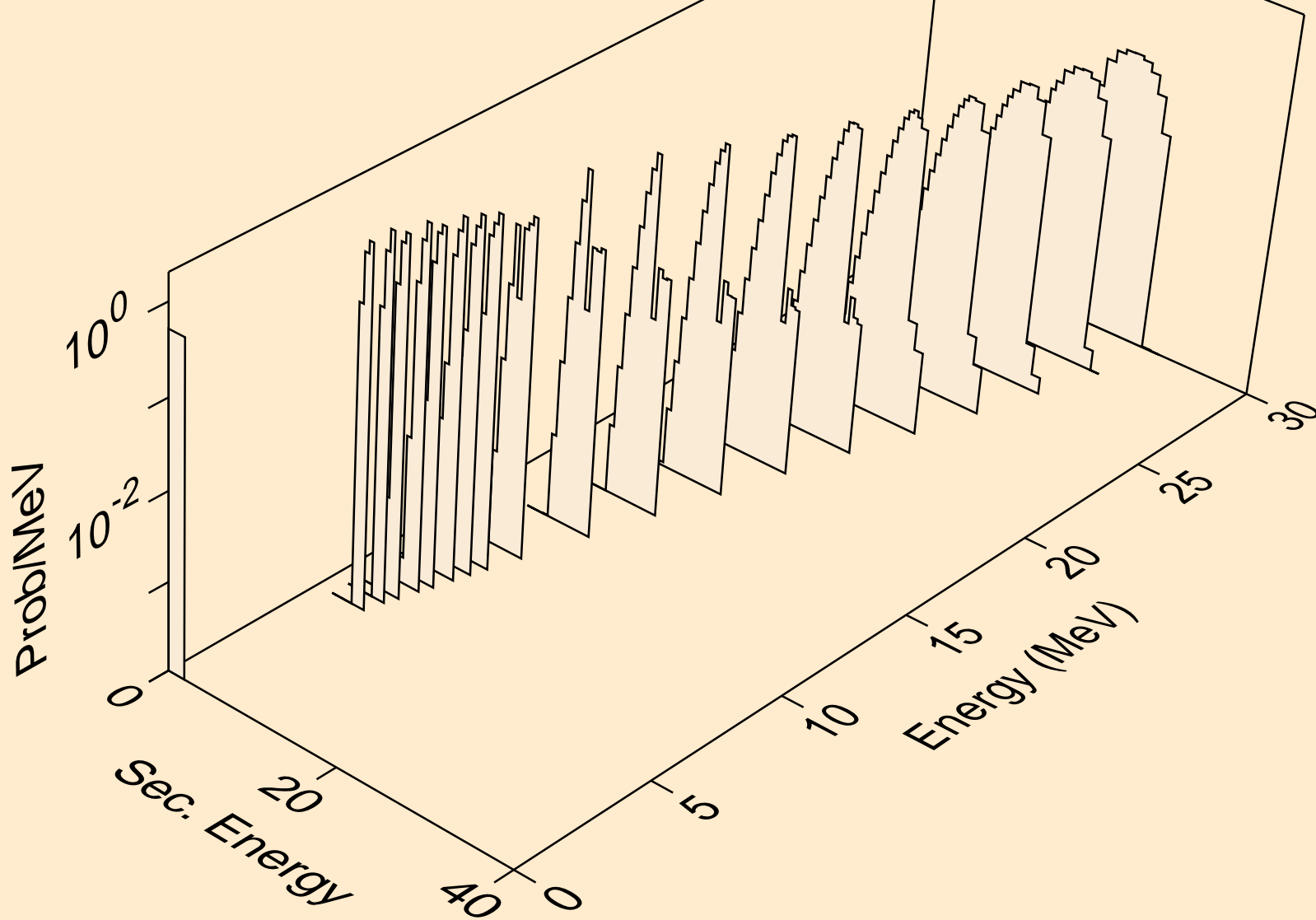


OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,n\*)he3

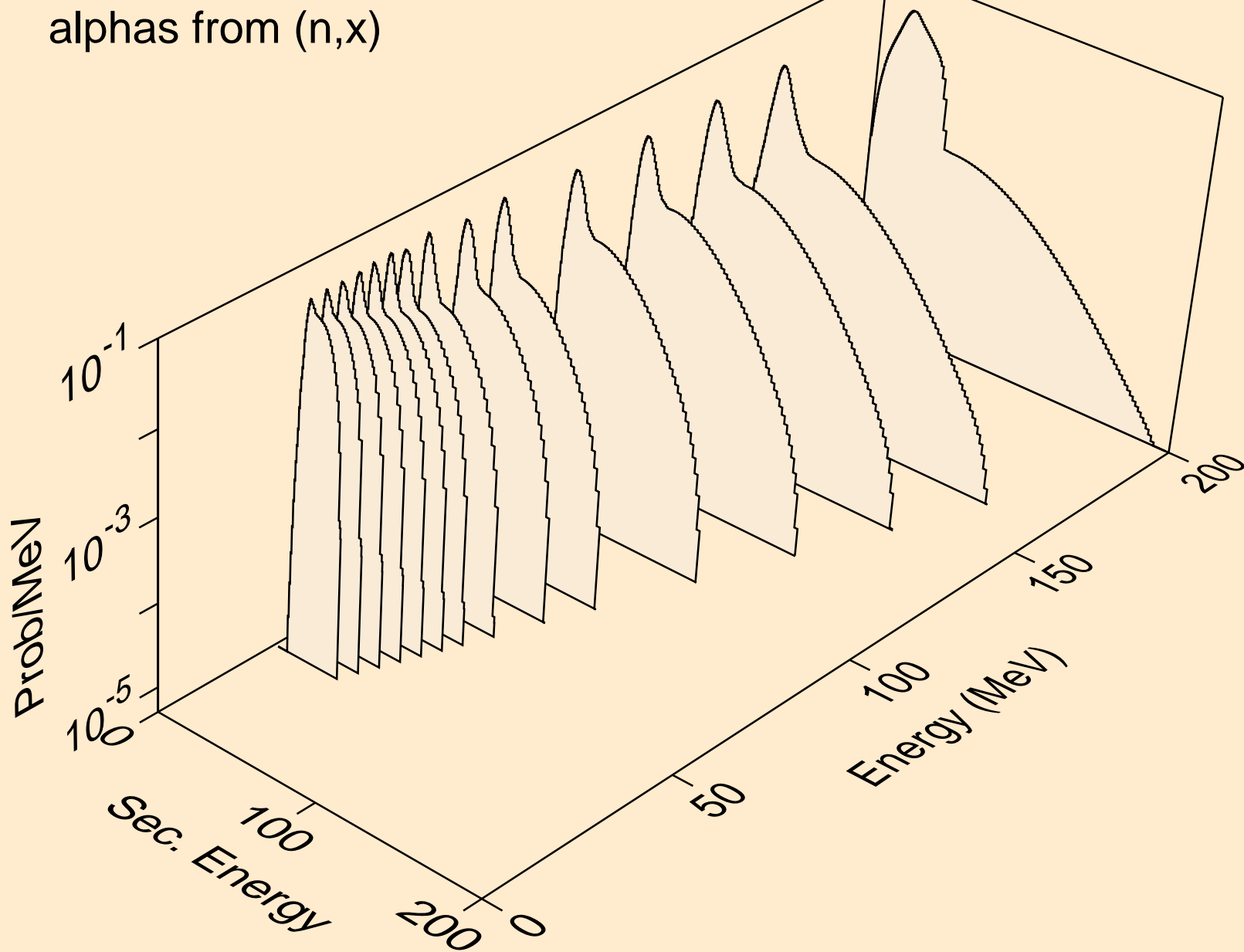




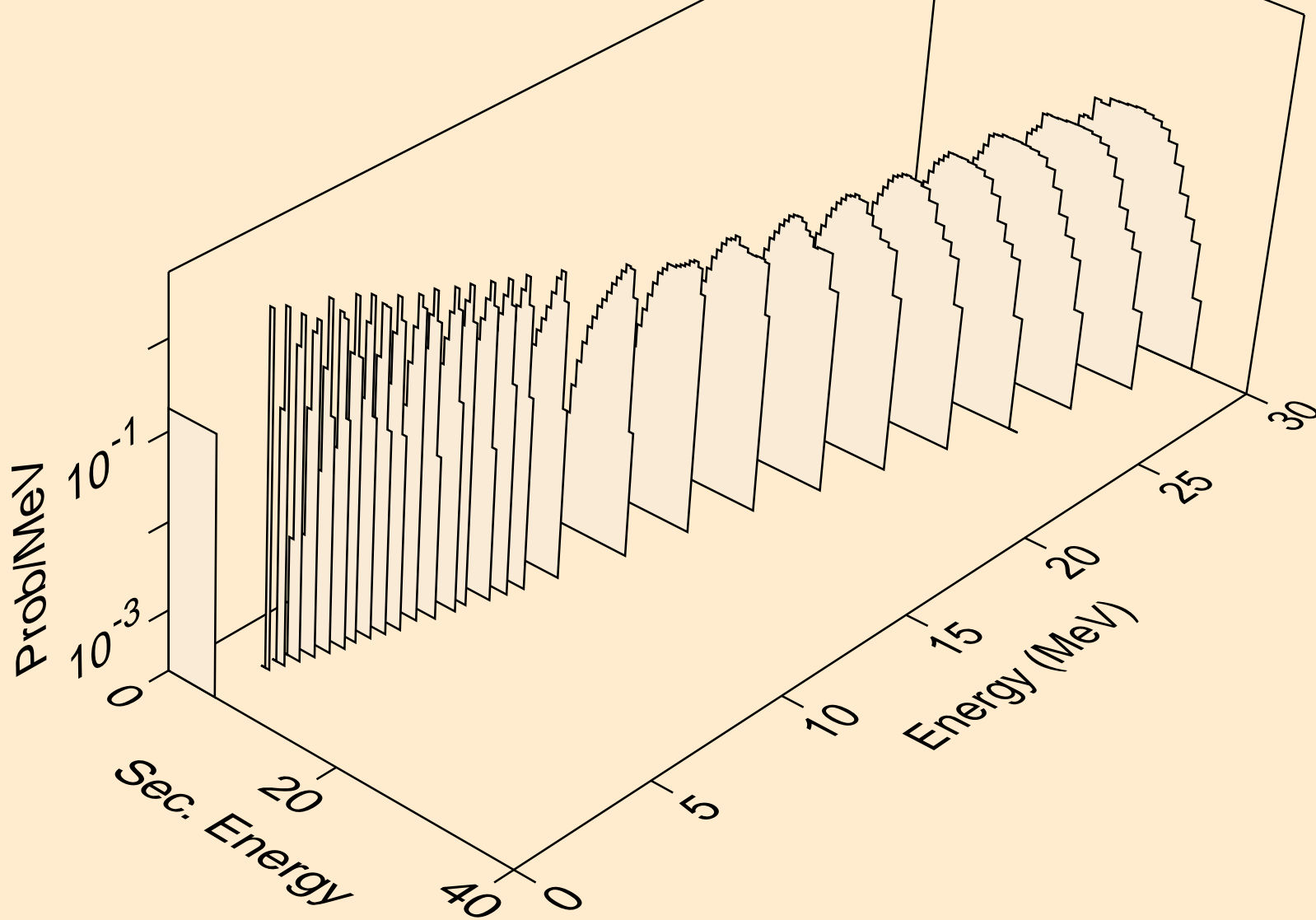
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,he3)



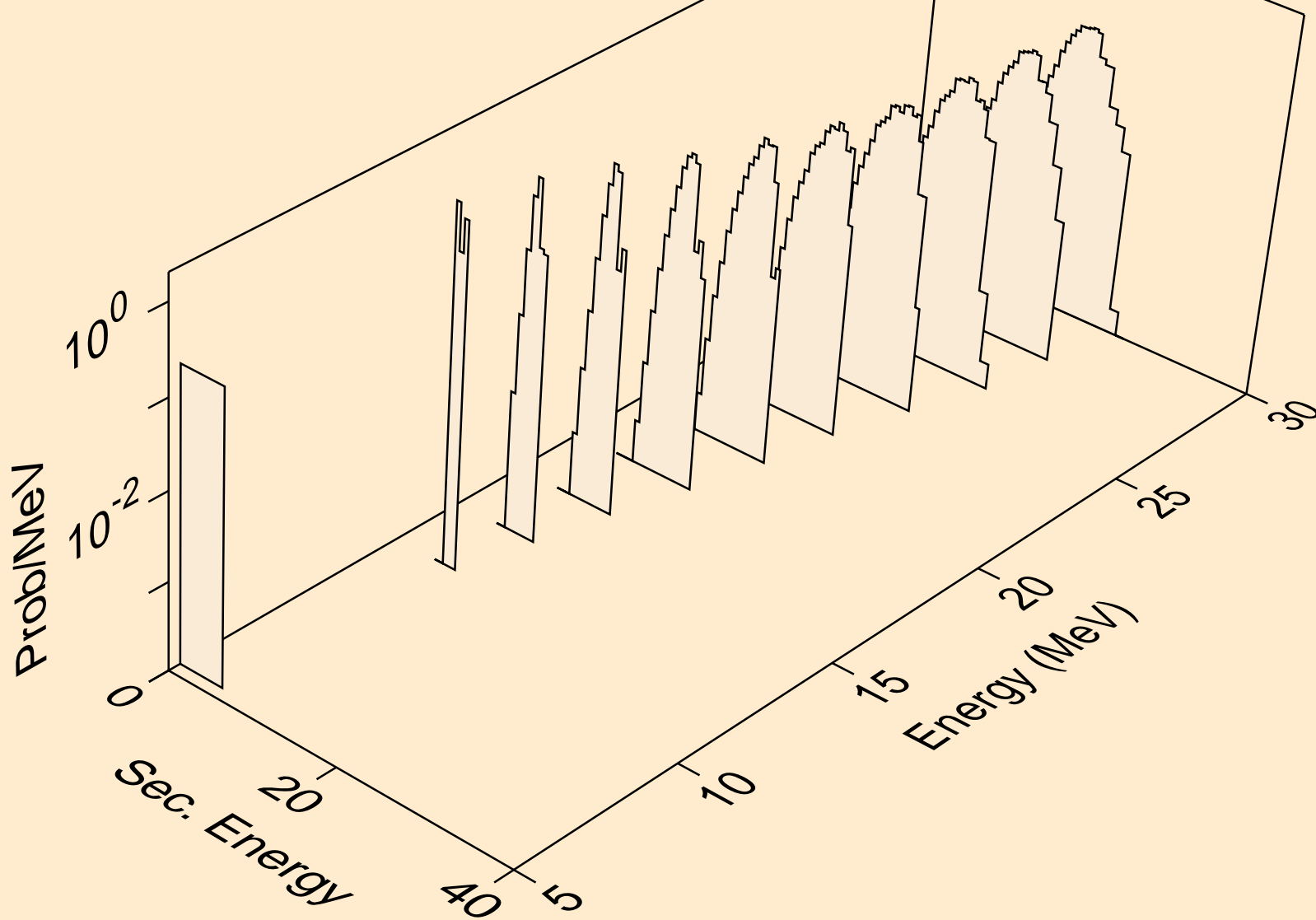
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,x)



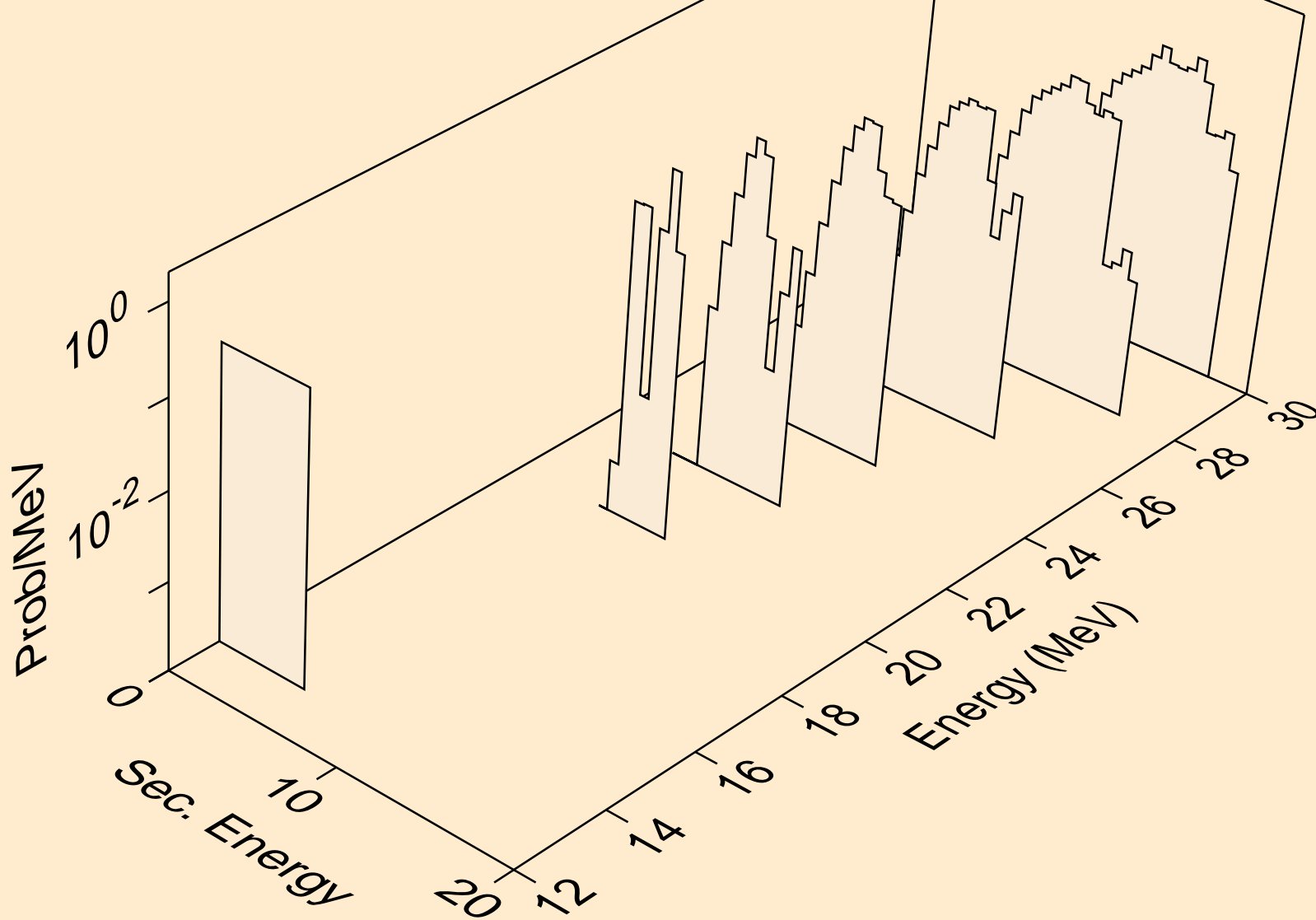
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)a



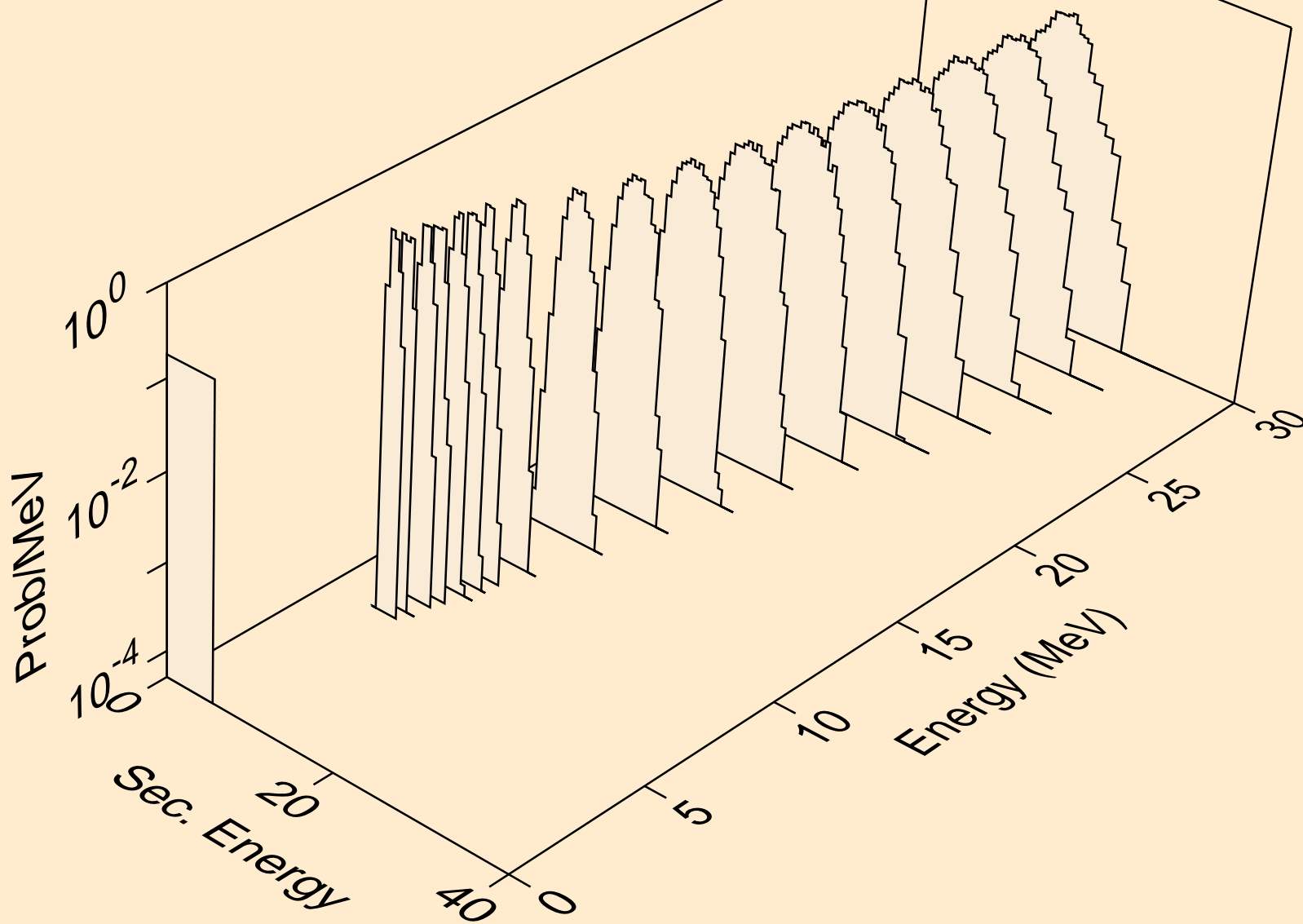
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2n)a



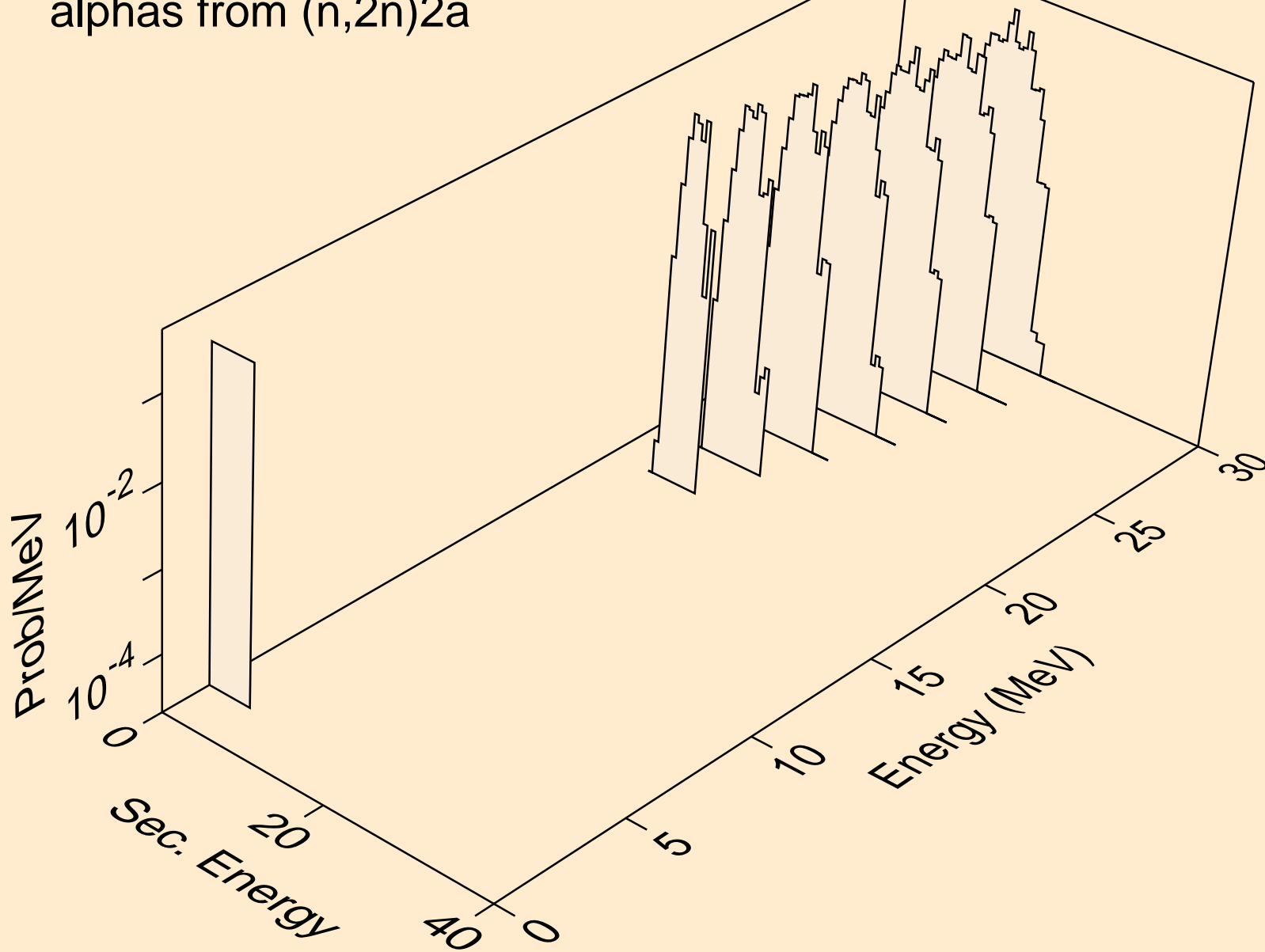
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,3n)a



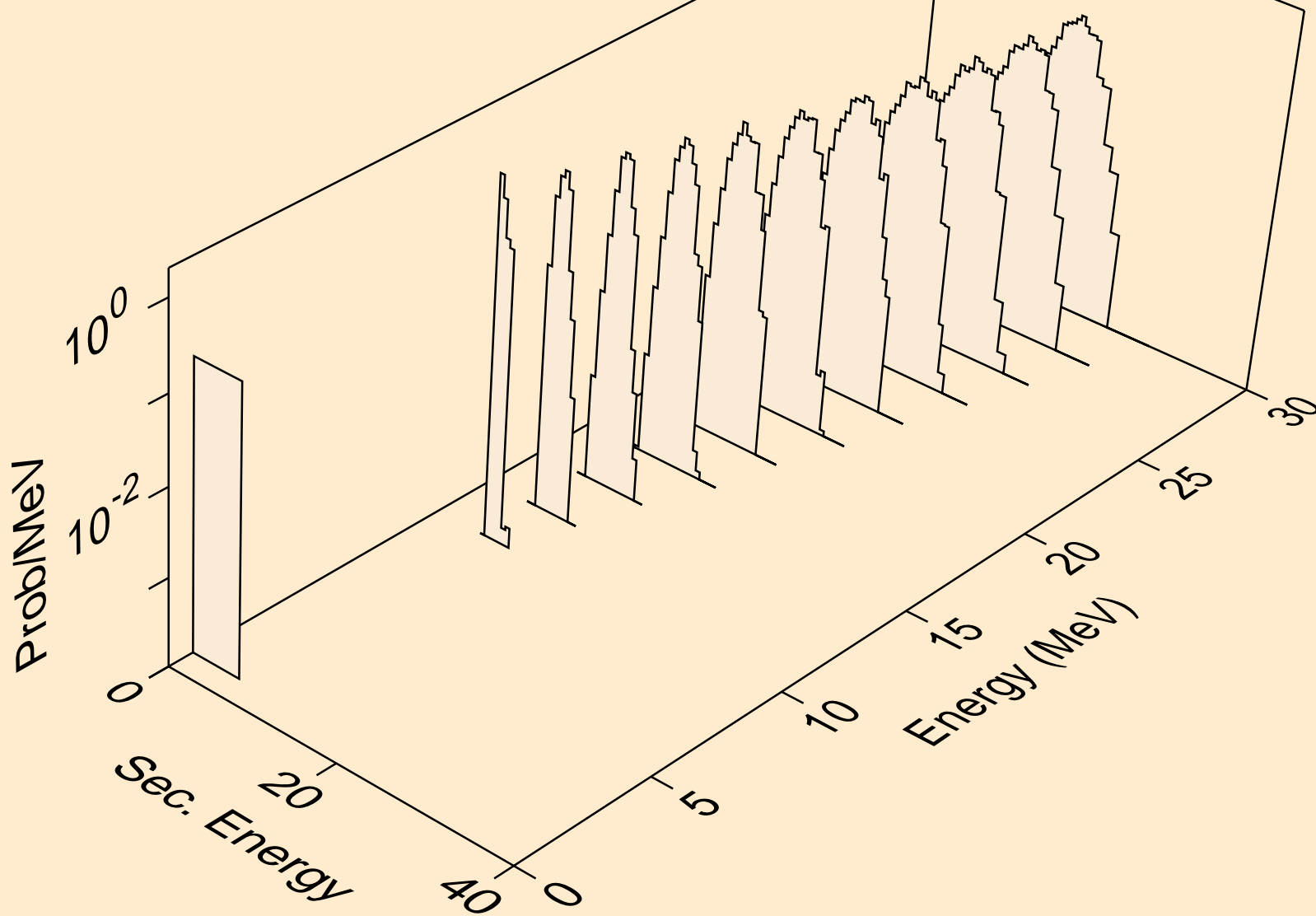
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)2a



OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2n)2a

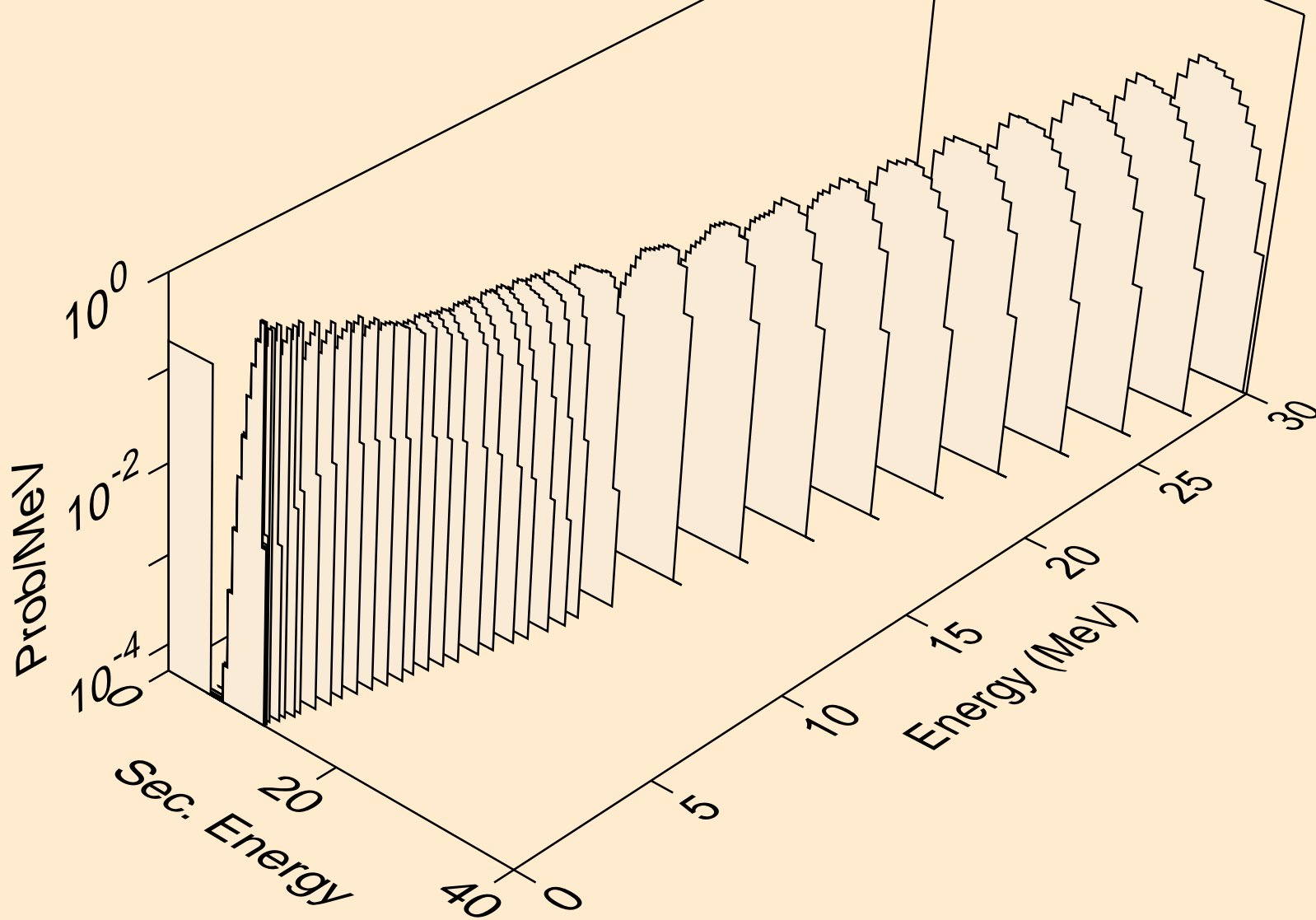


OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,npa)

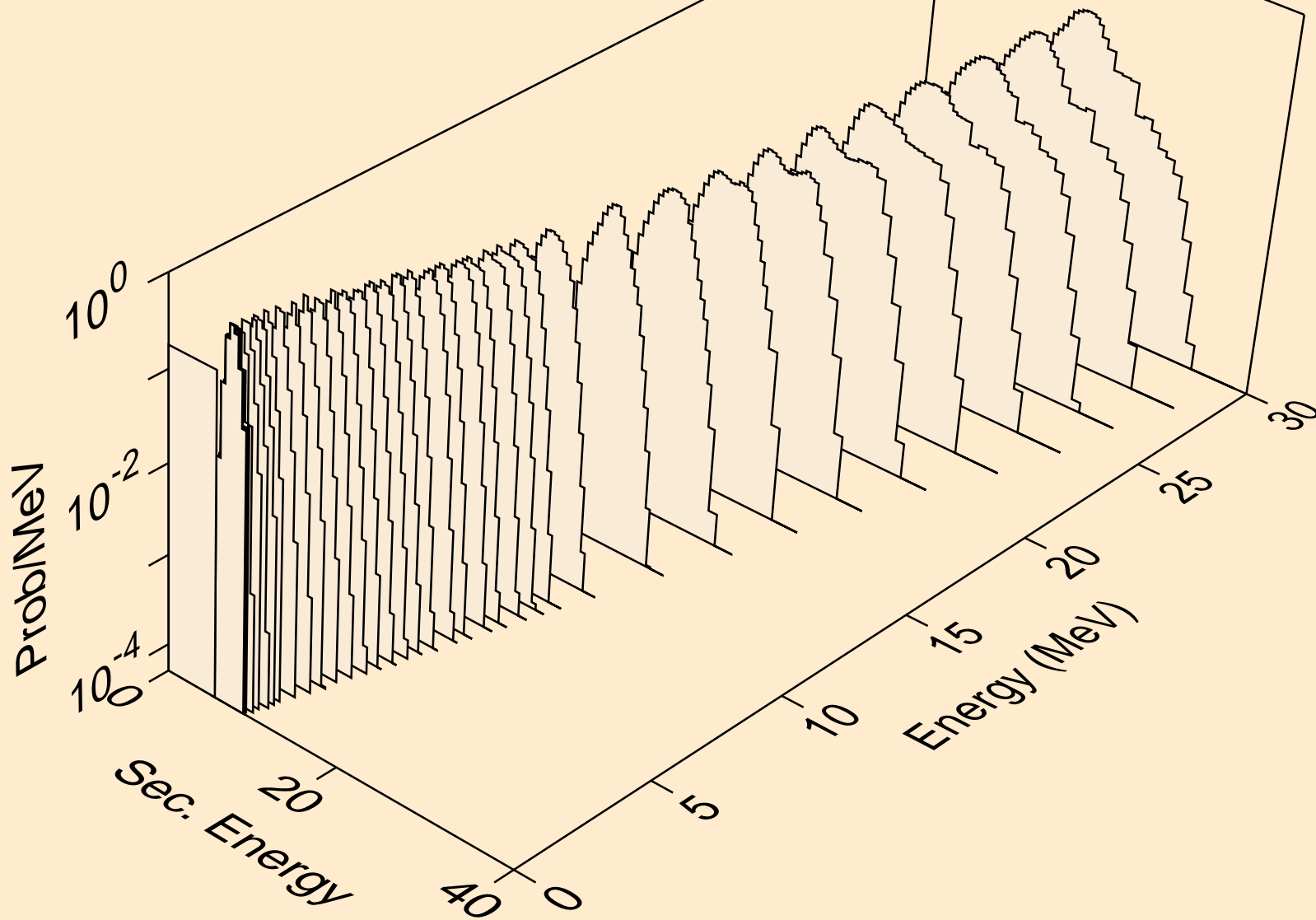




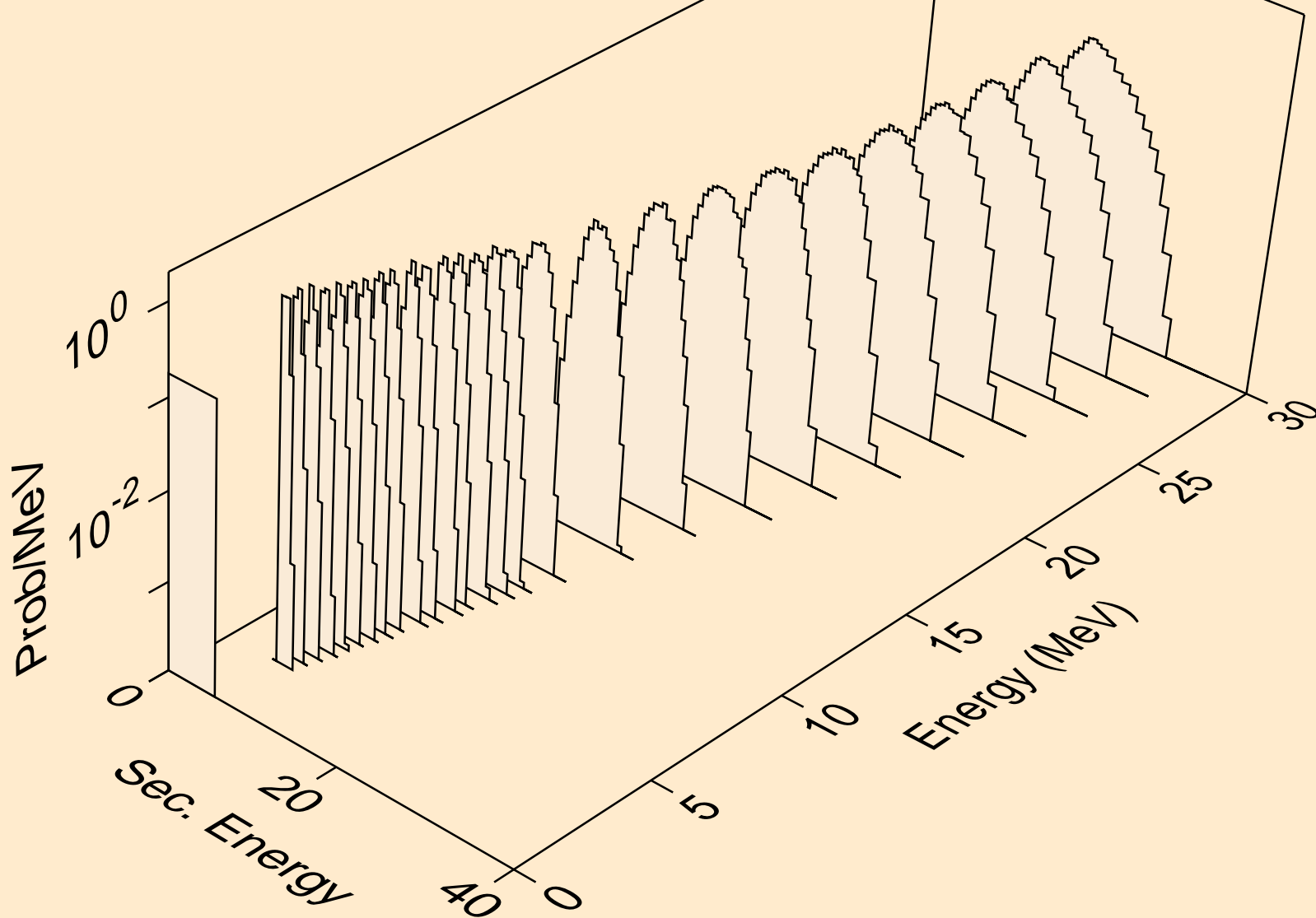
OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,a)



OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2a)



OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,pa)



OS178 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,da)

