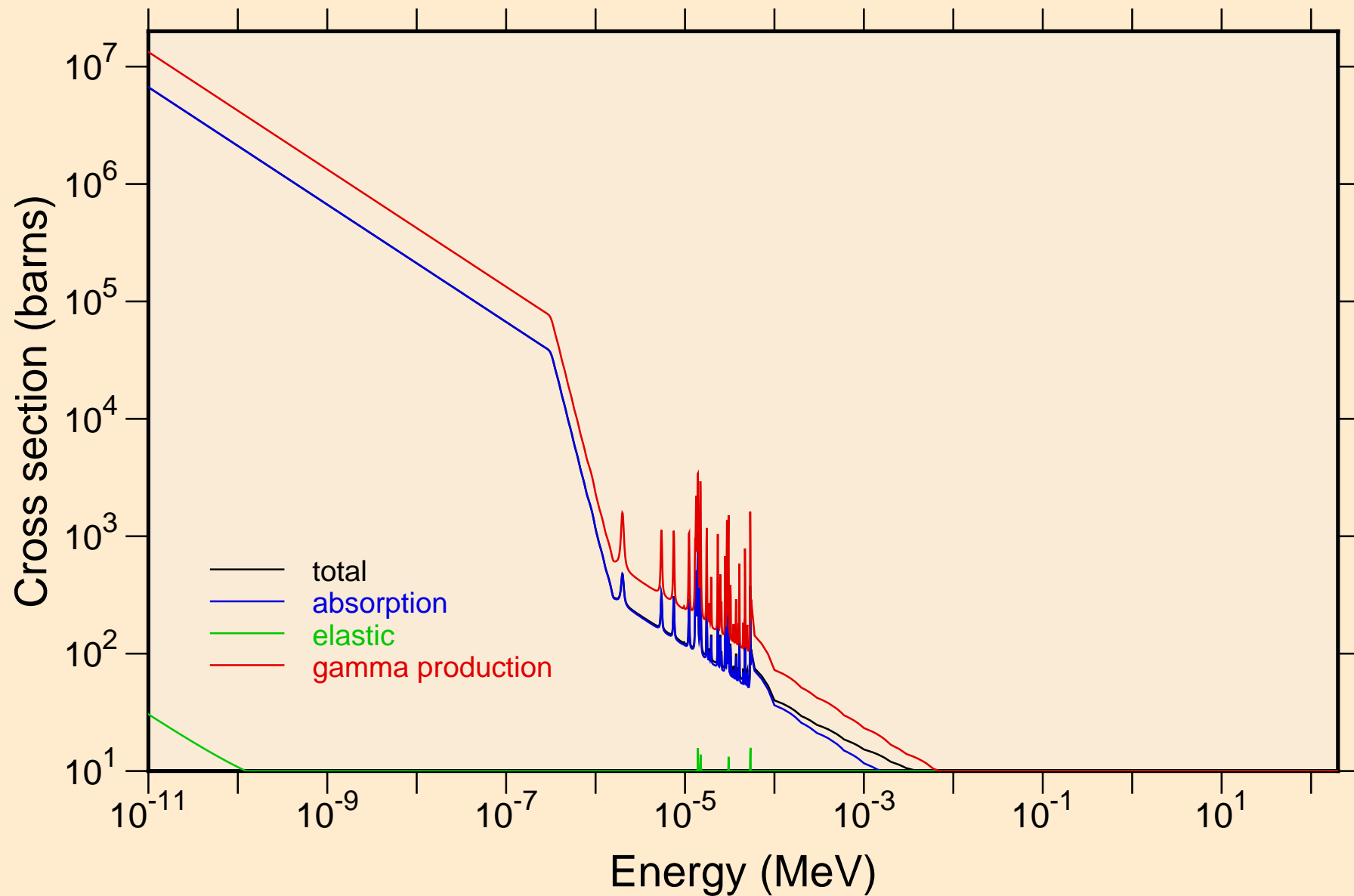
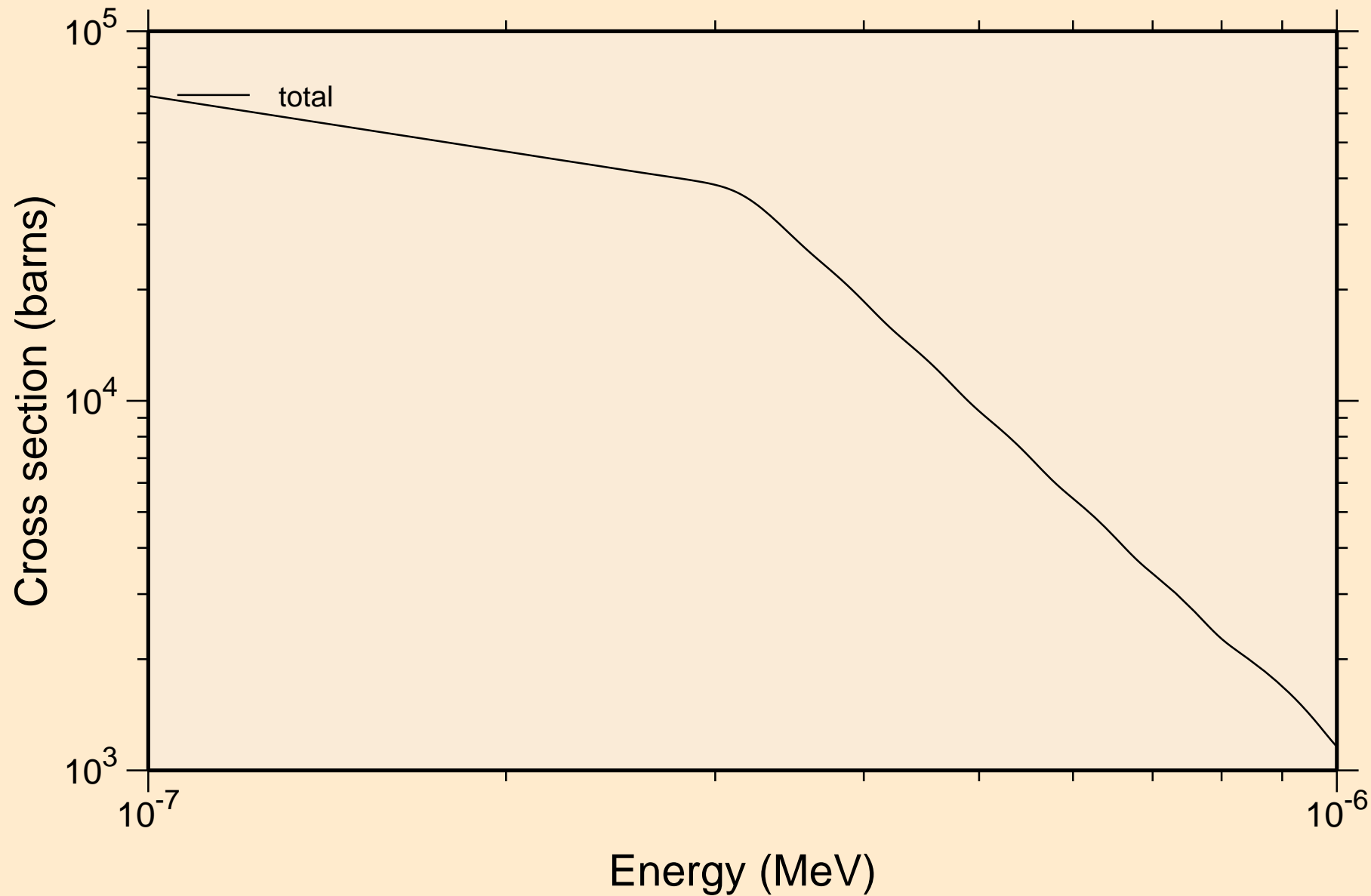


# I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

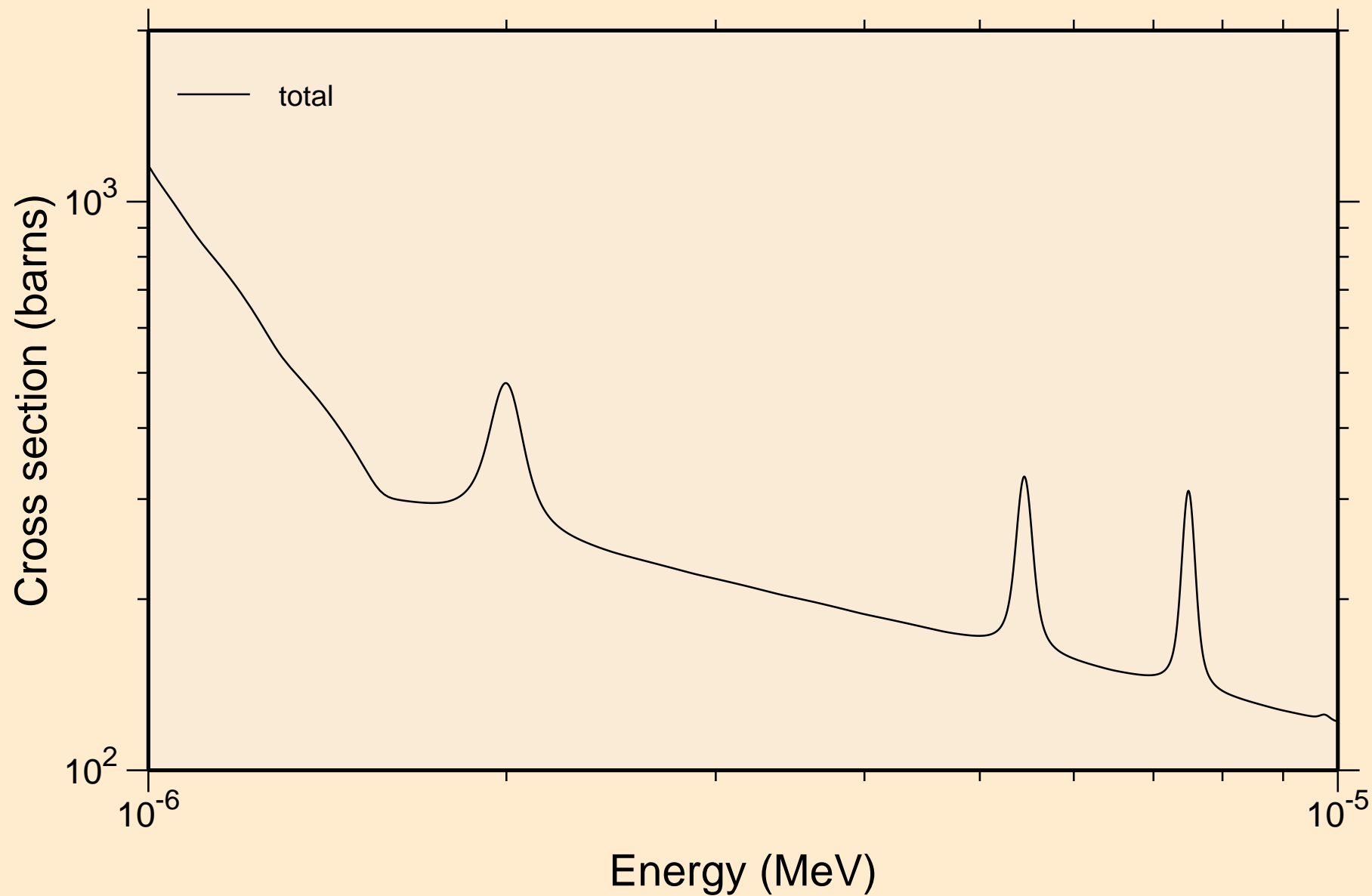
## Principal cross sections



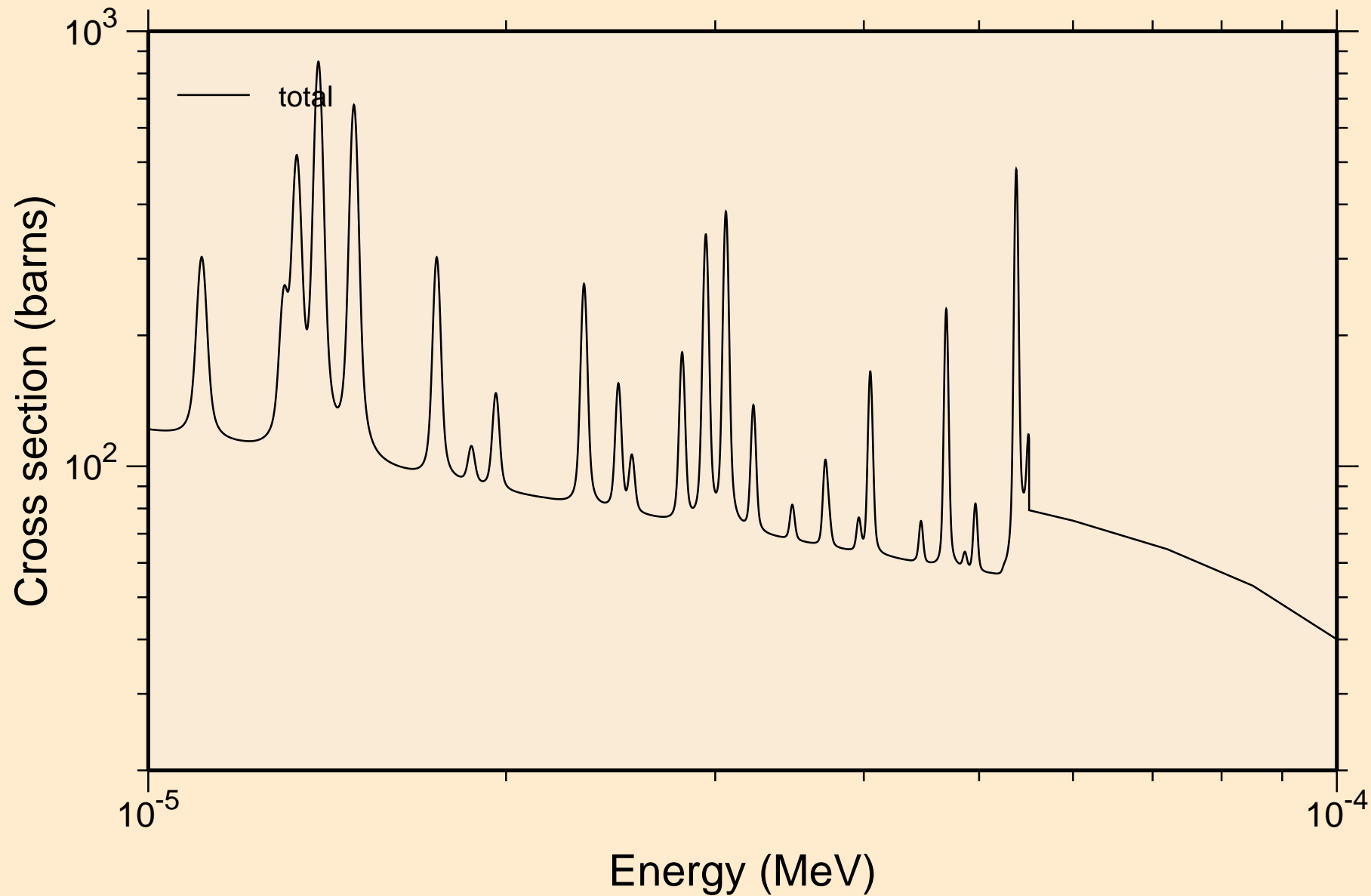
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



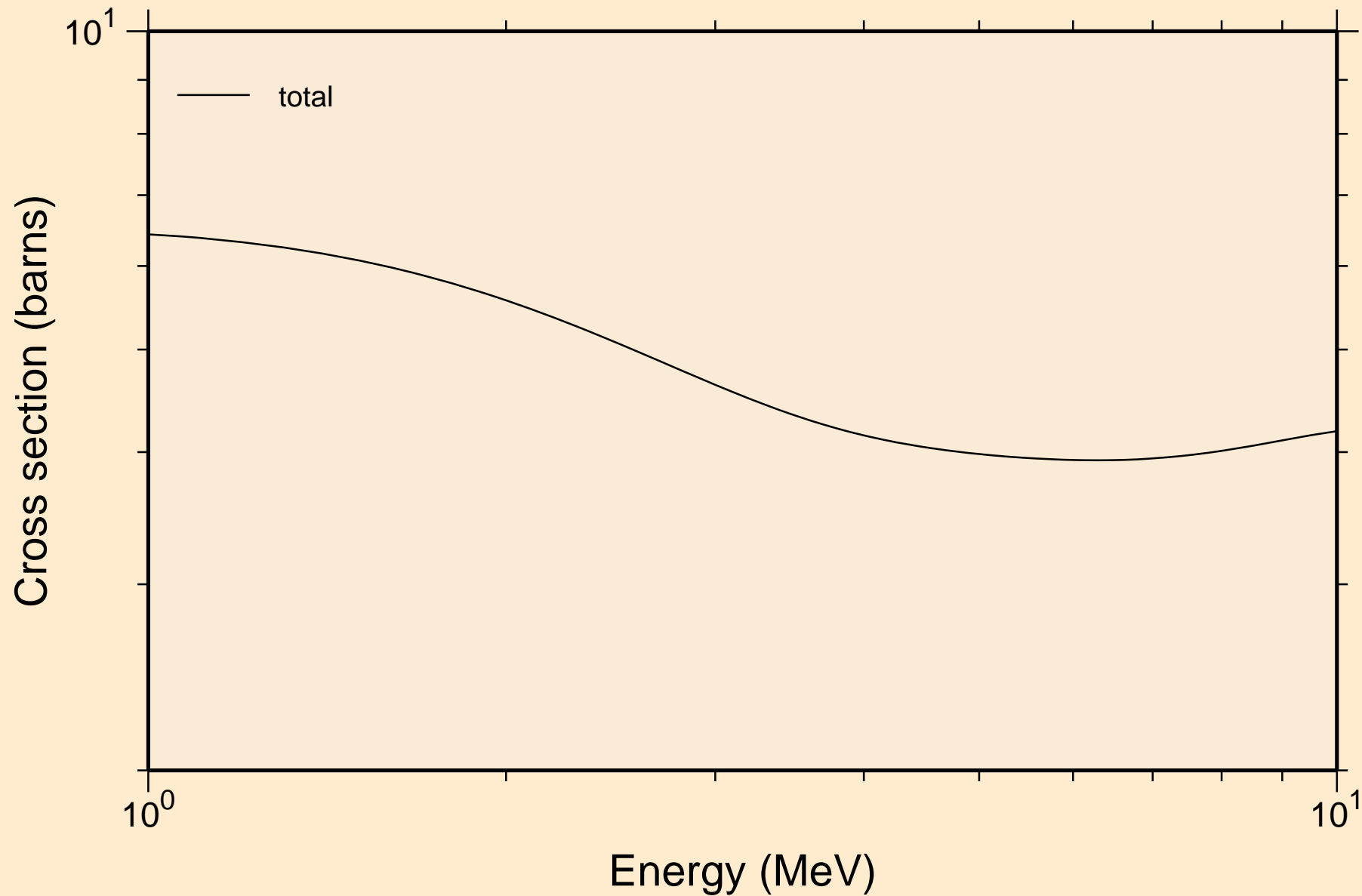
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



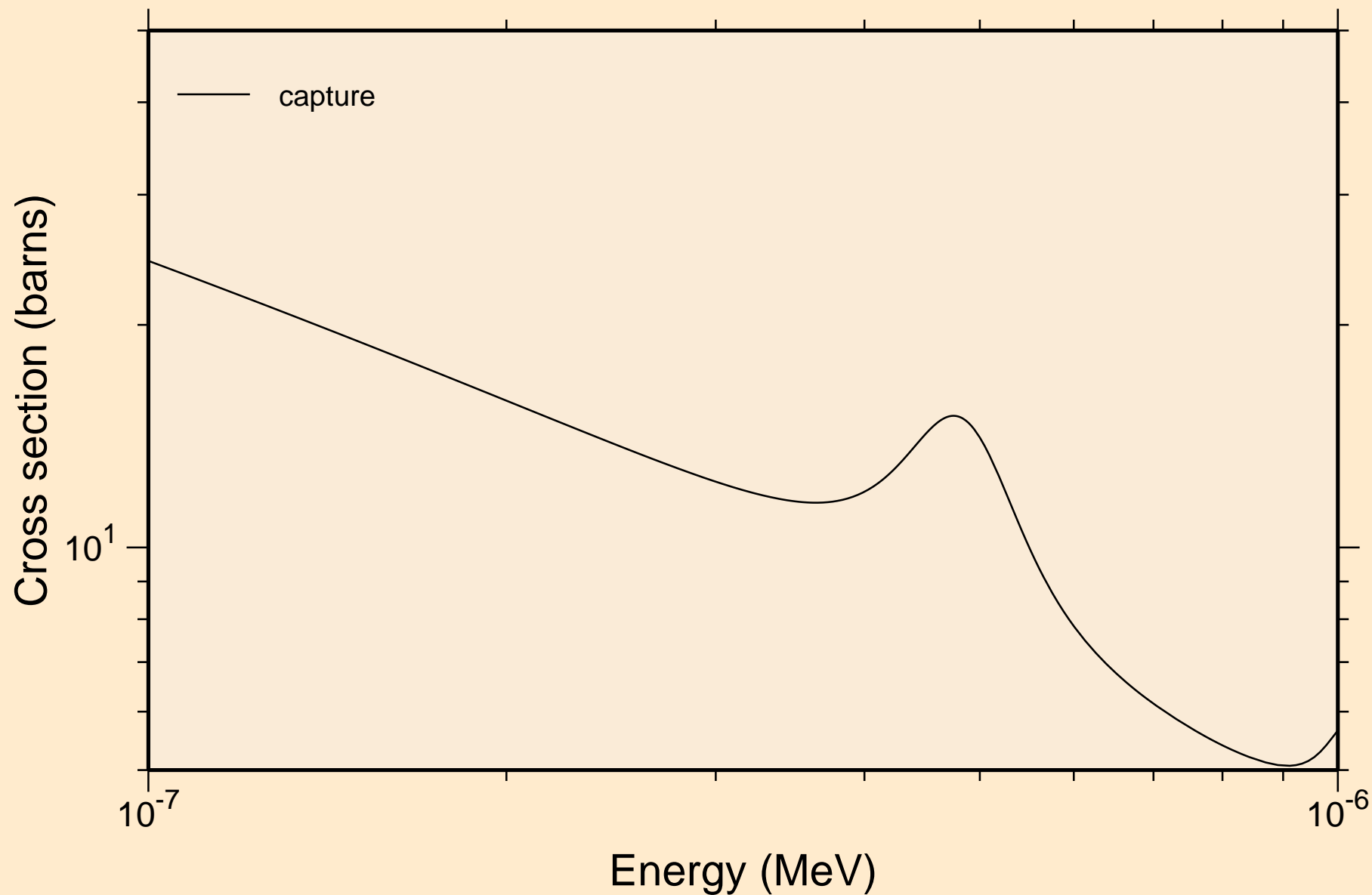
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



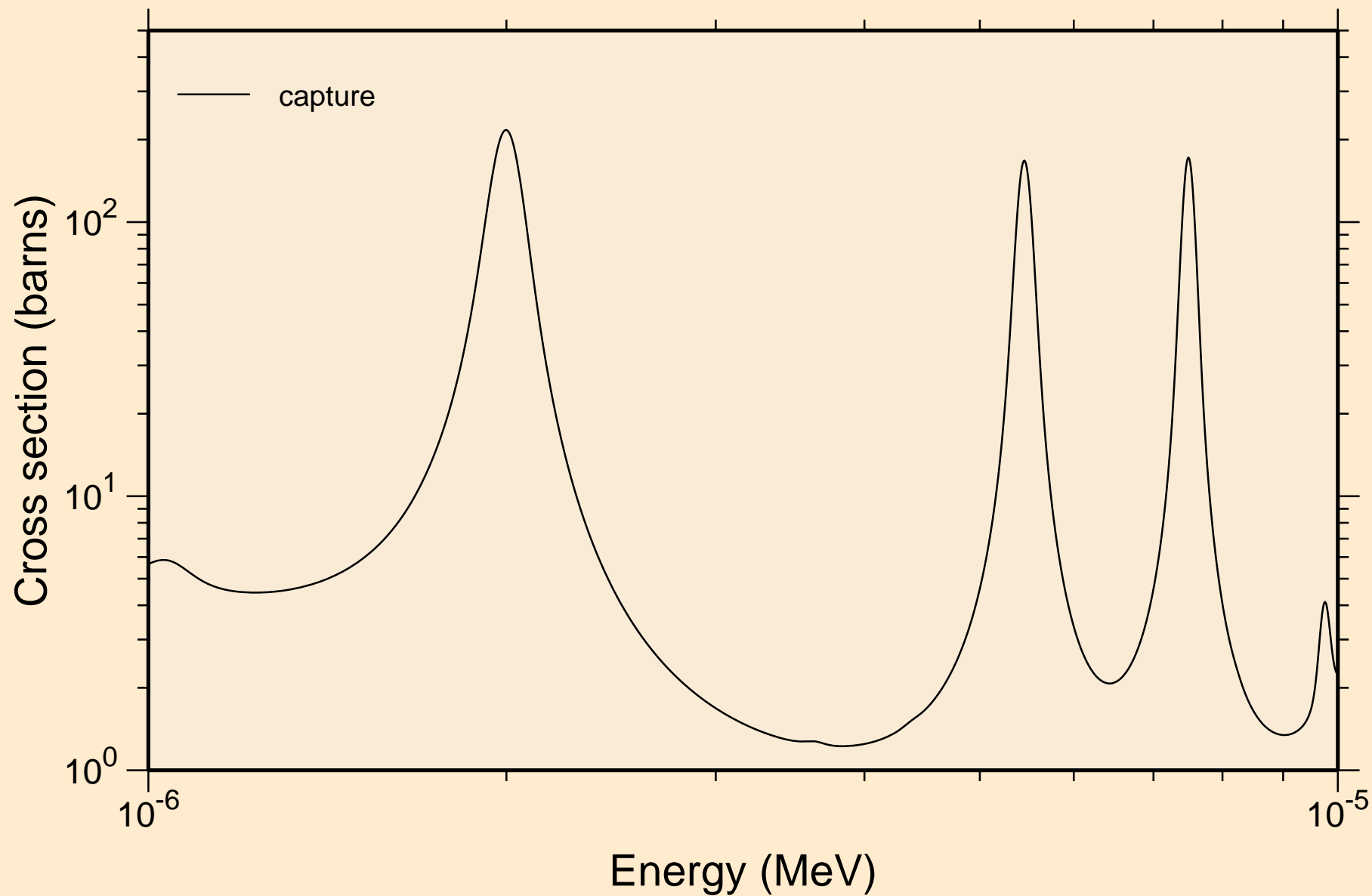
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



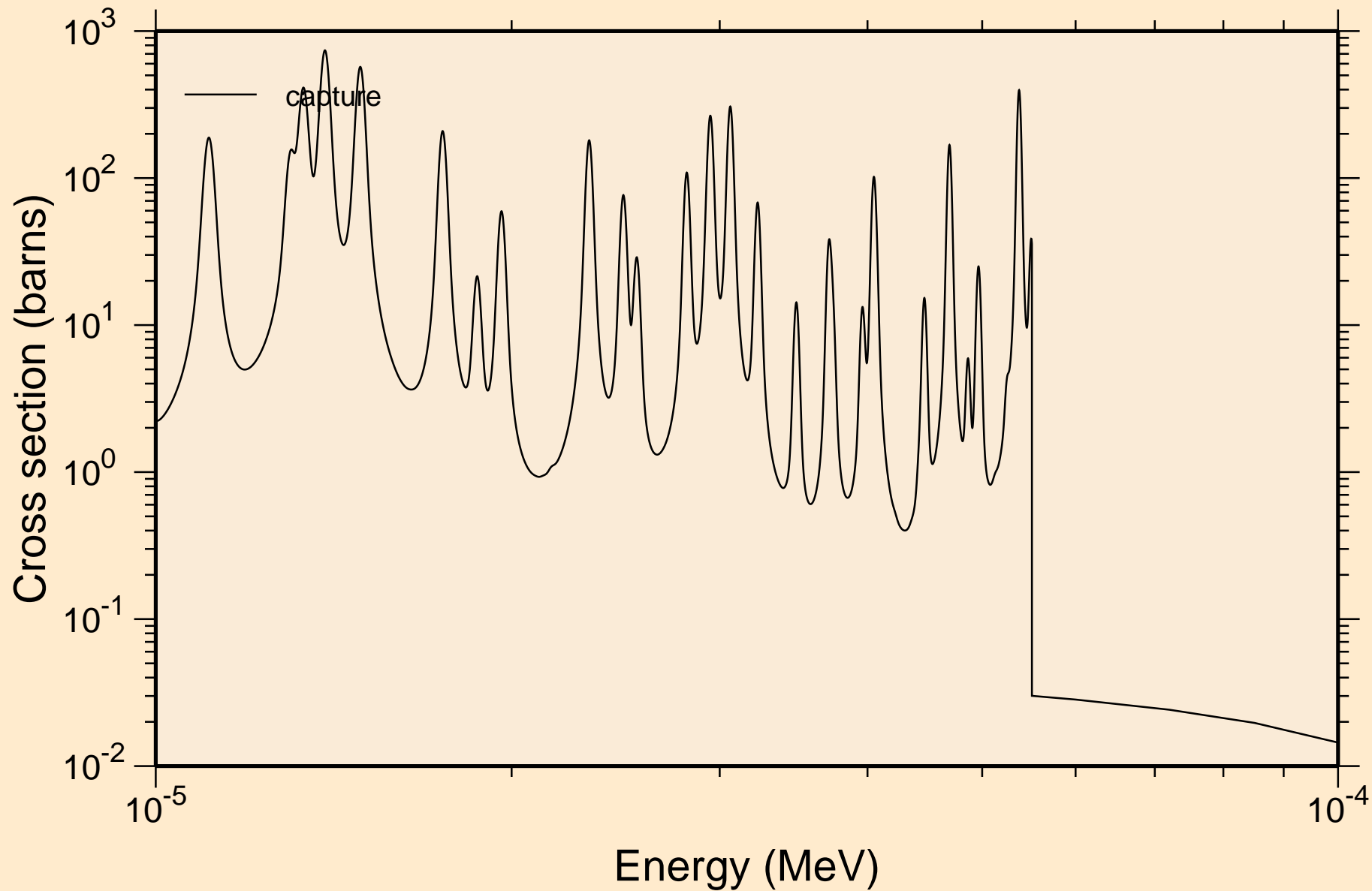
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections

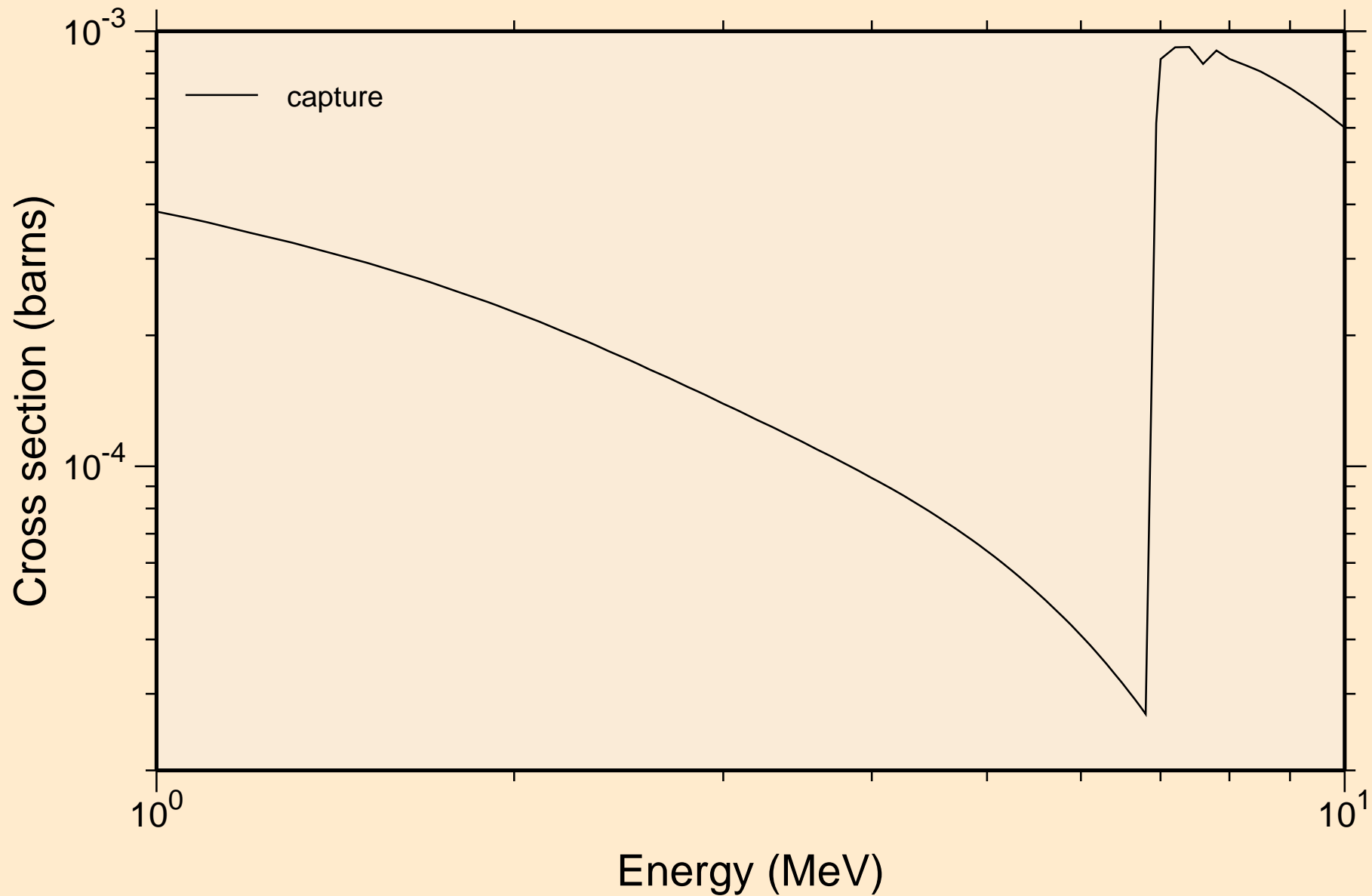


I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections

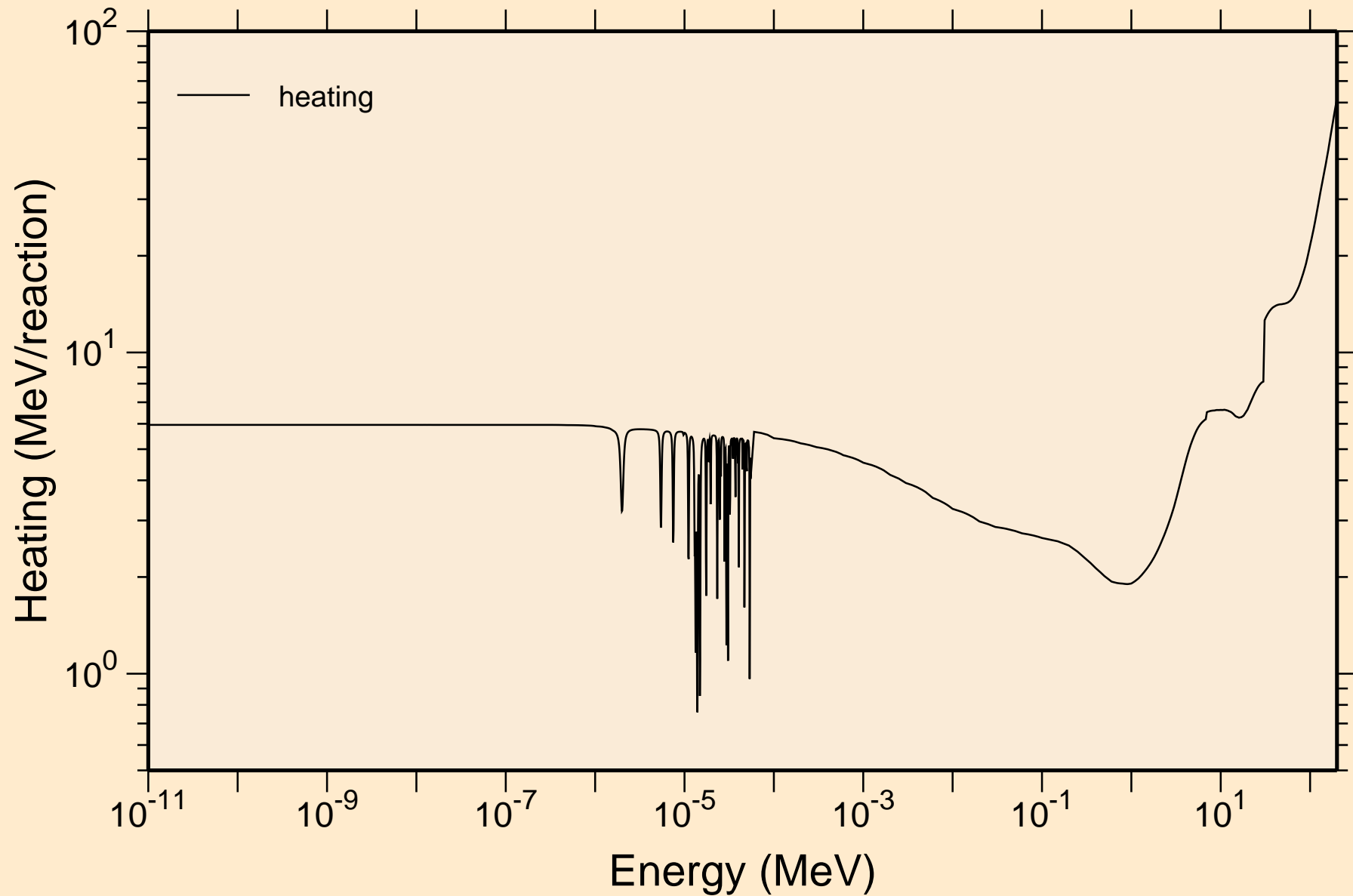




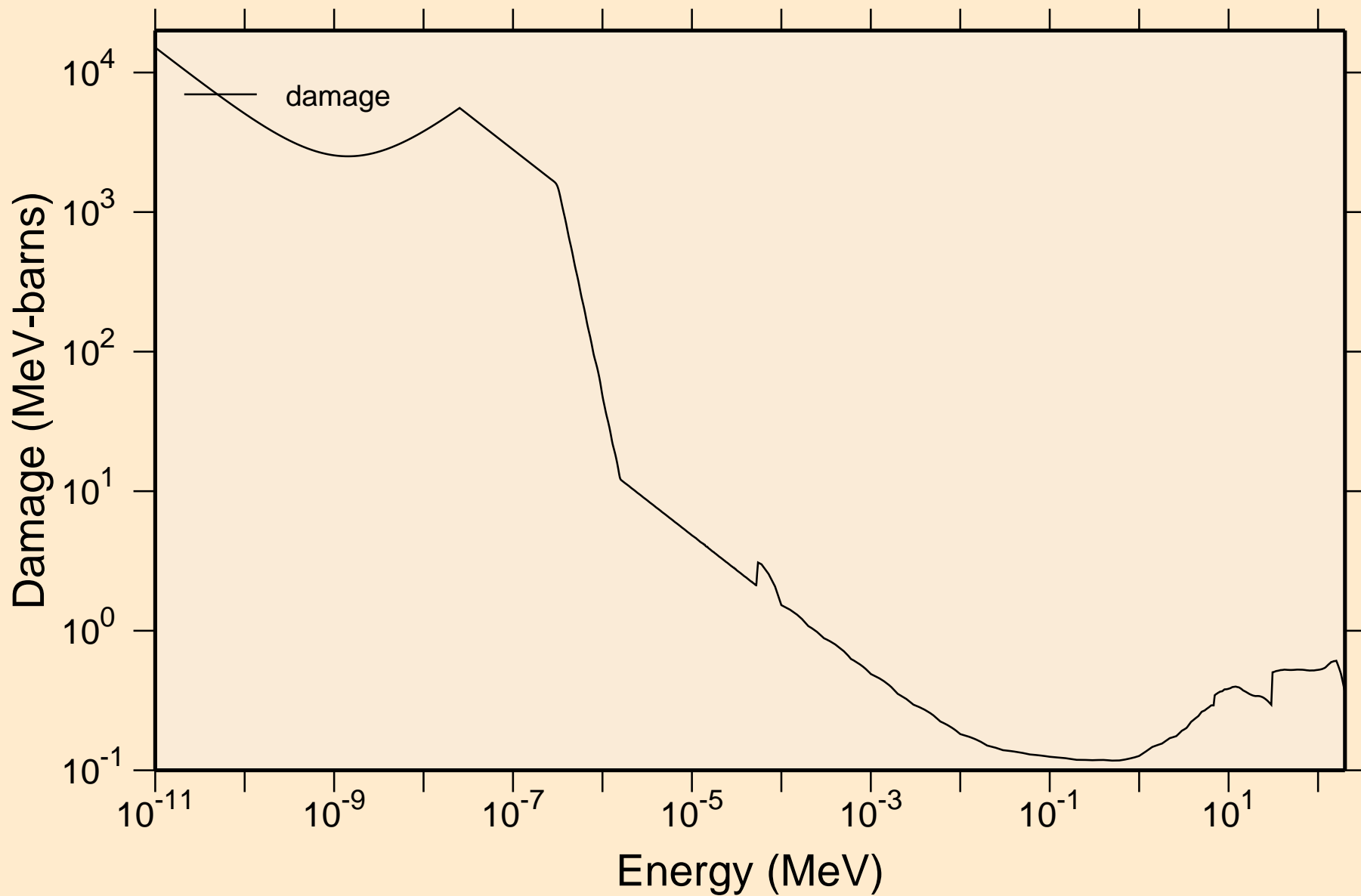
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating

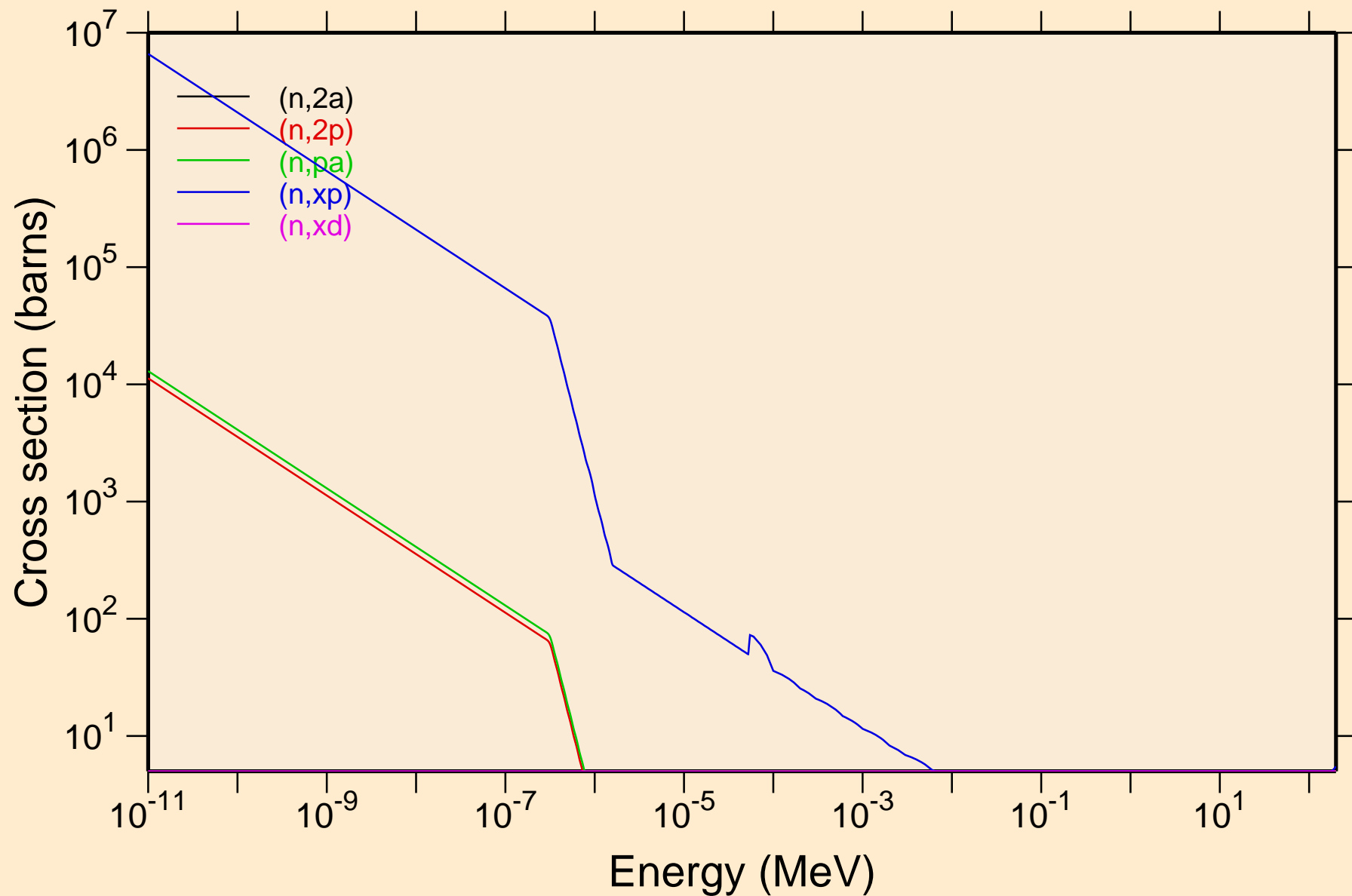


I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Damage

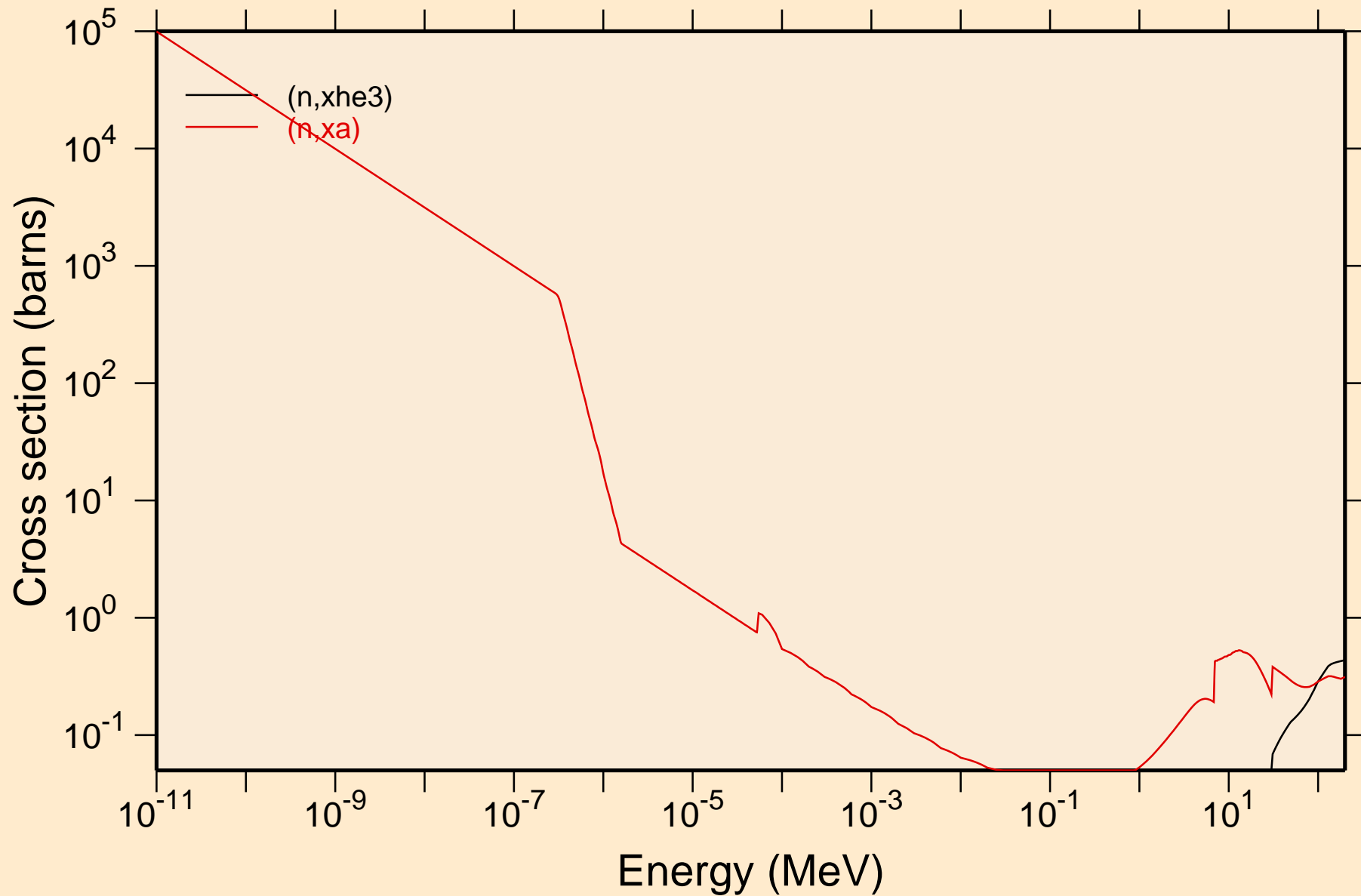




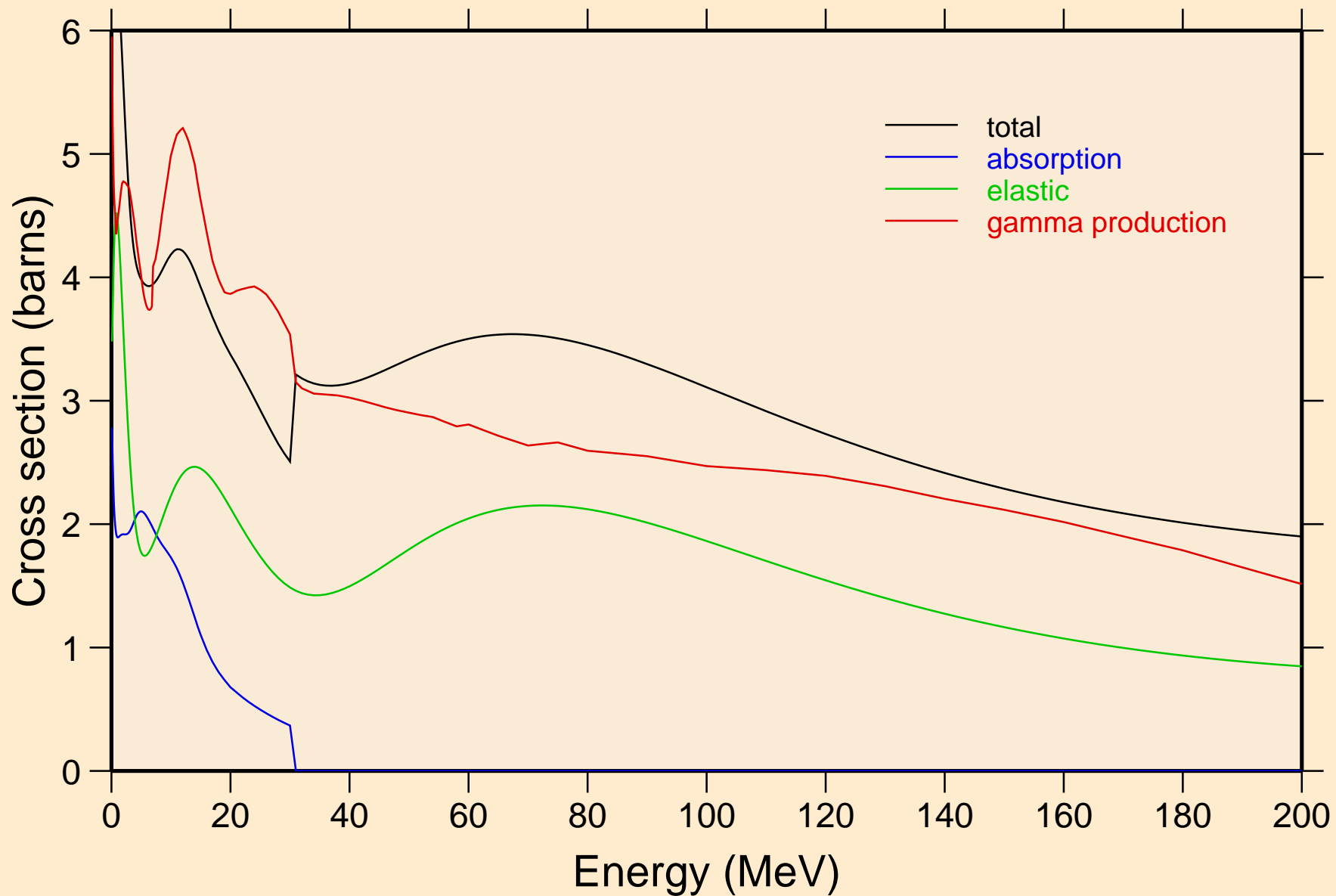
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions



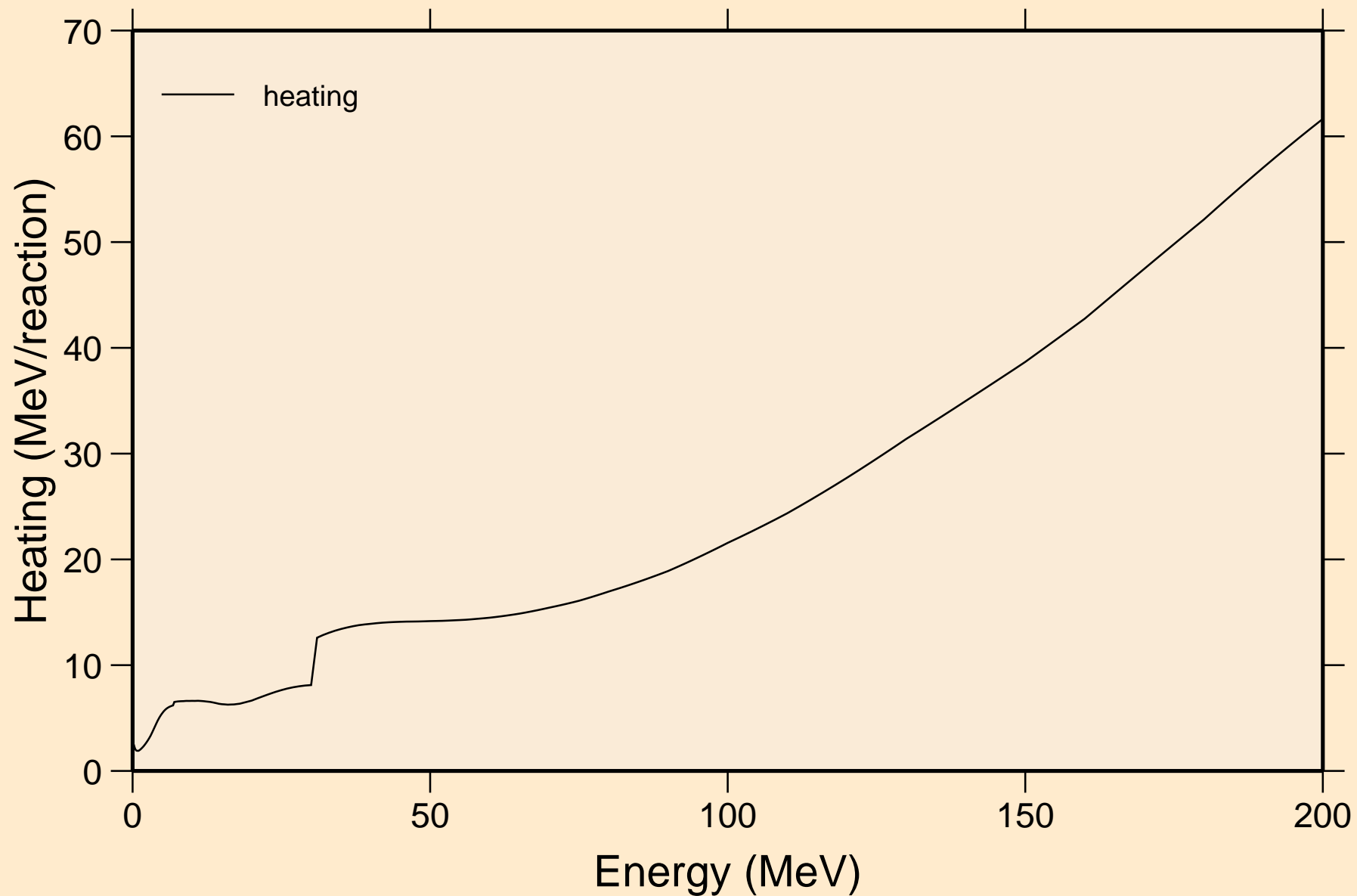
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions



I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Principal cross sections

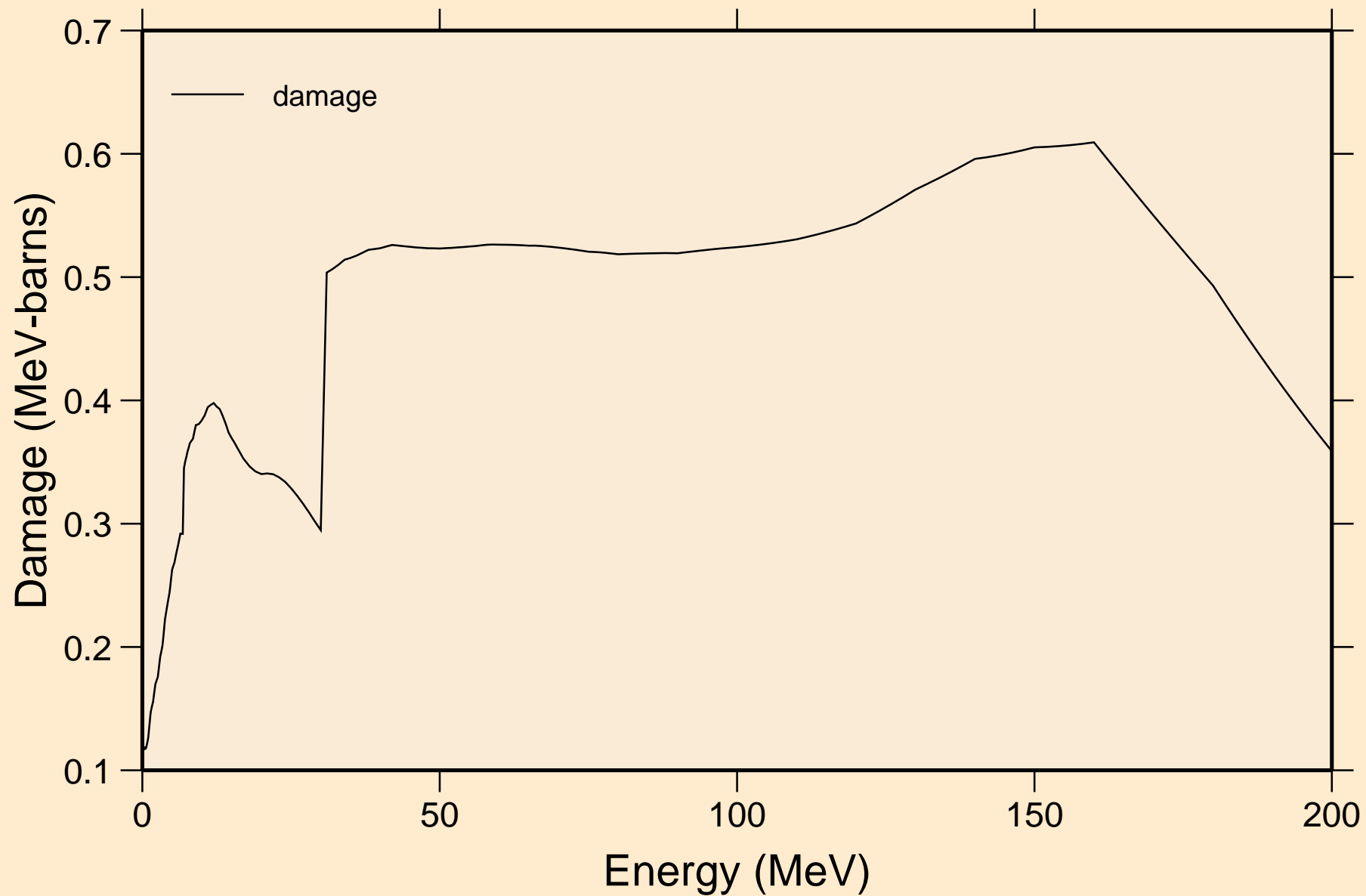


I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating

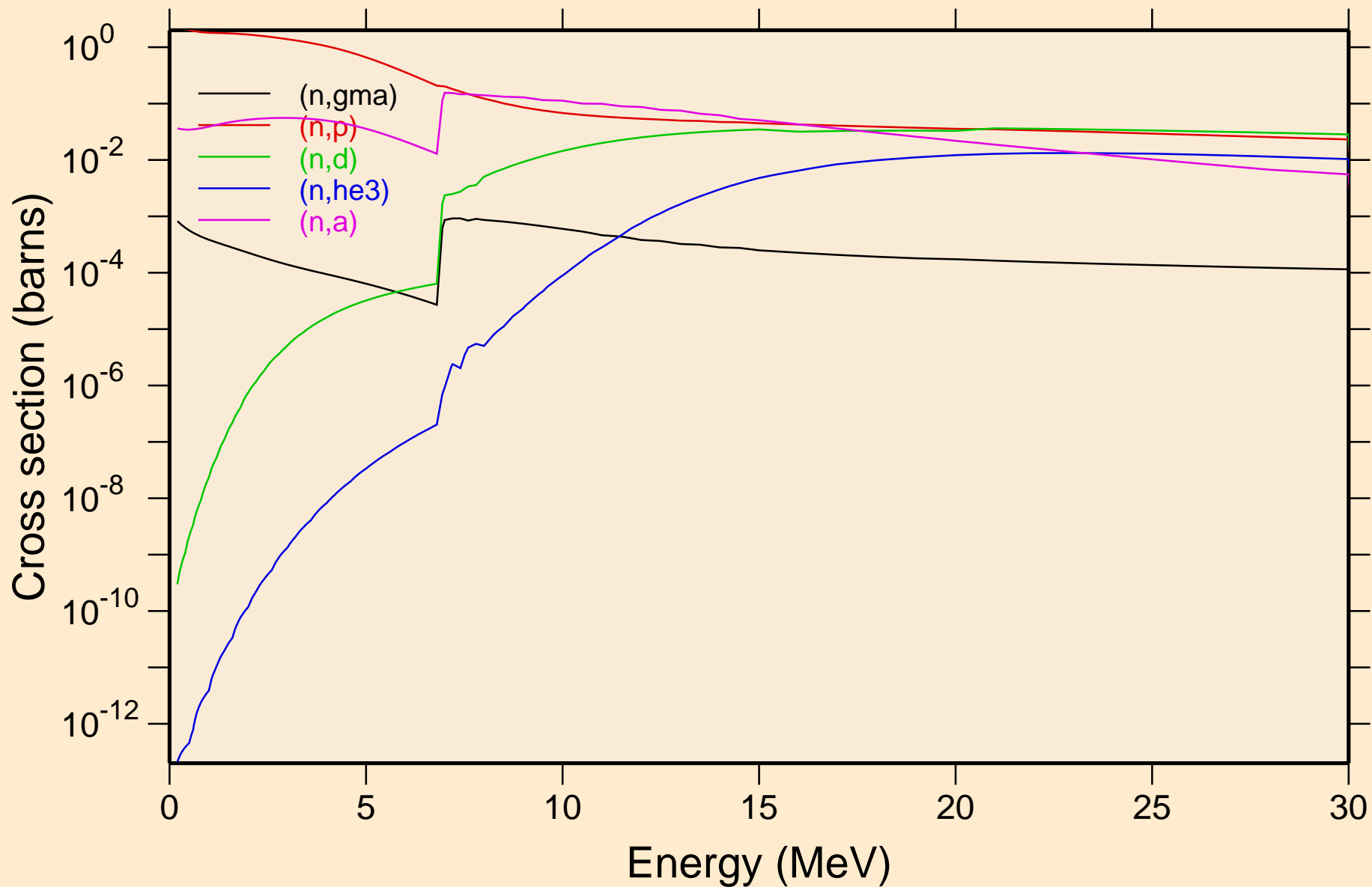




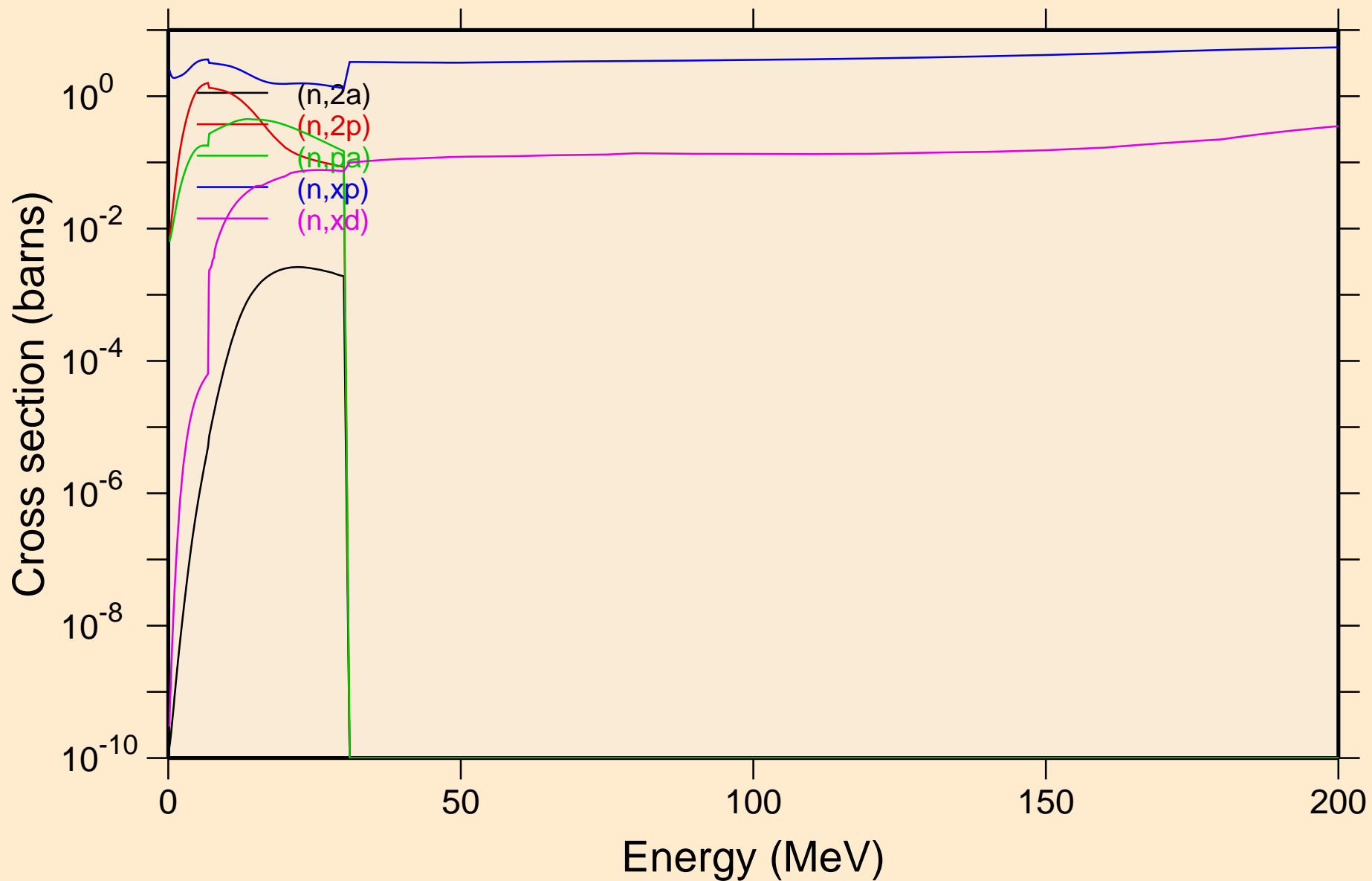
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Damage



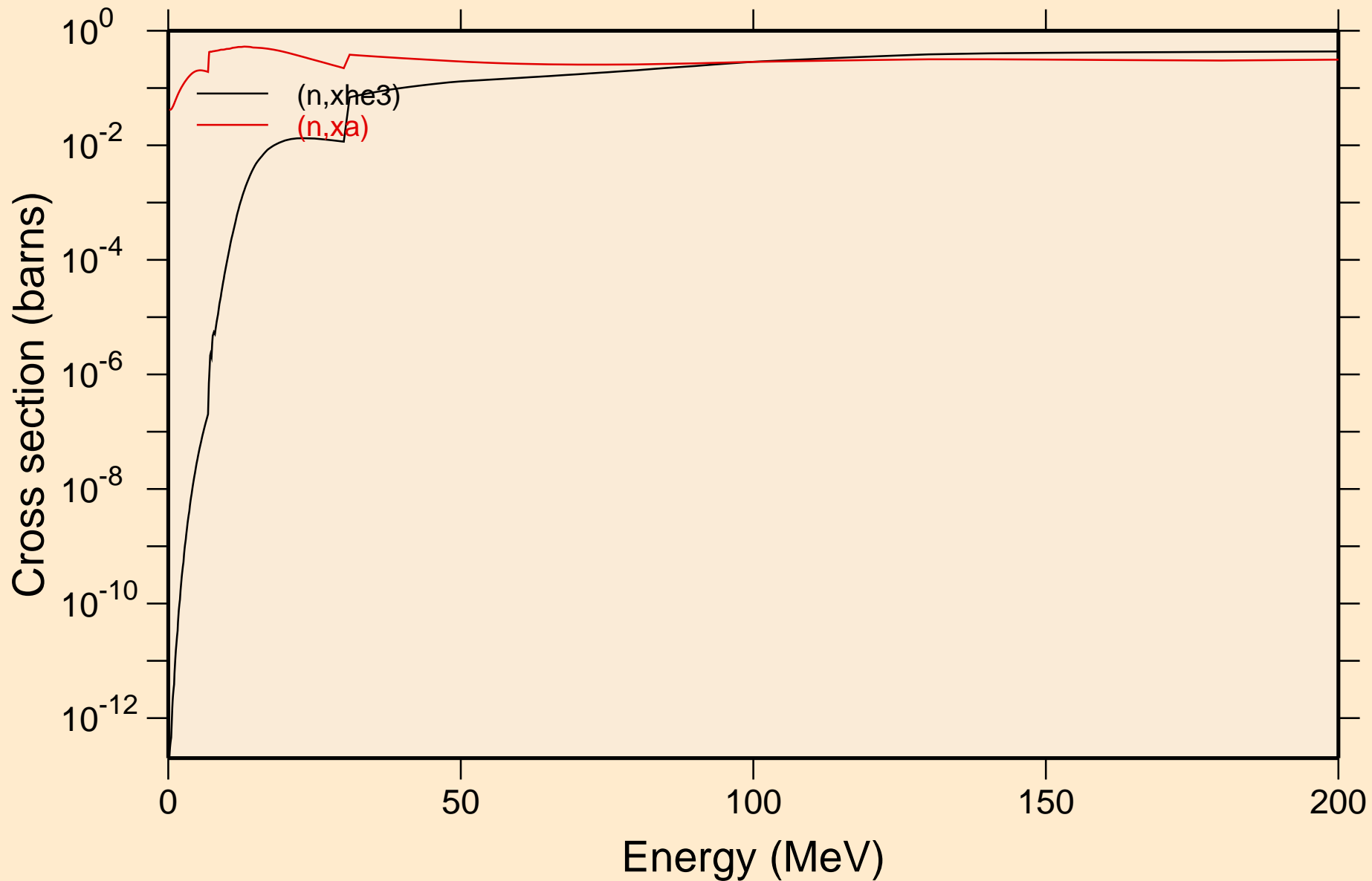
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions



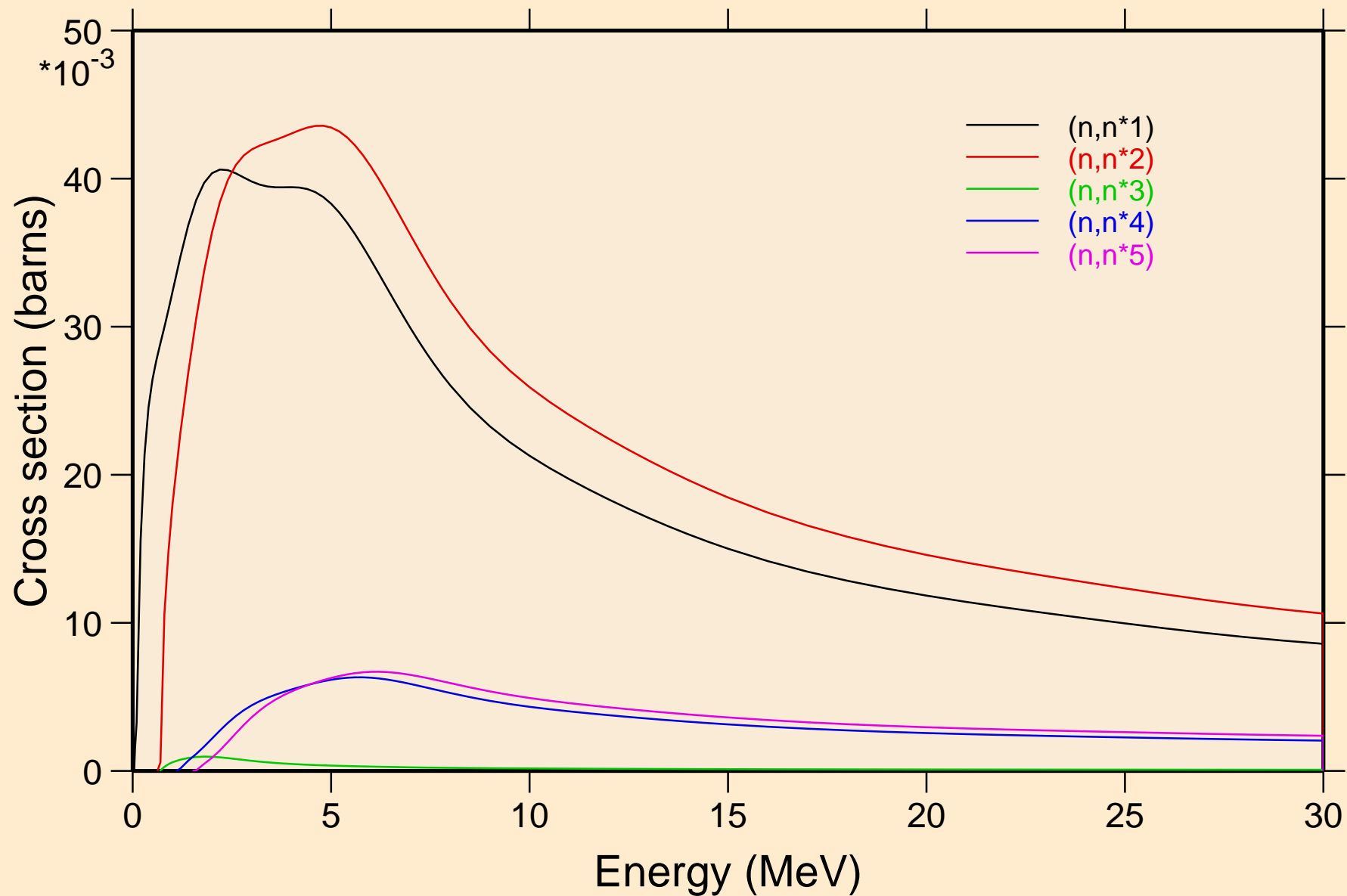
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions



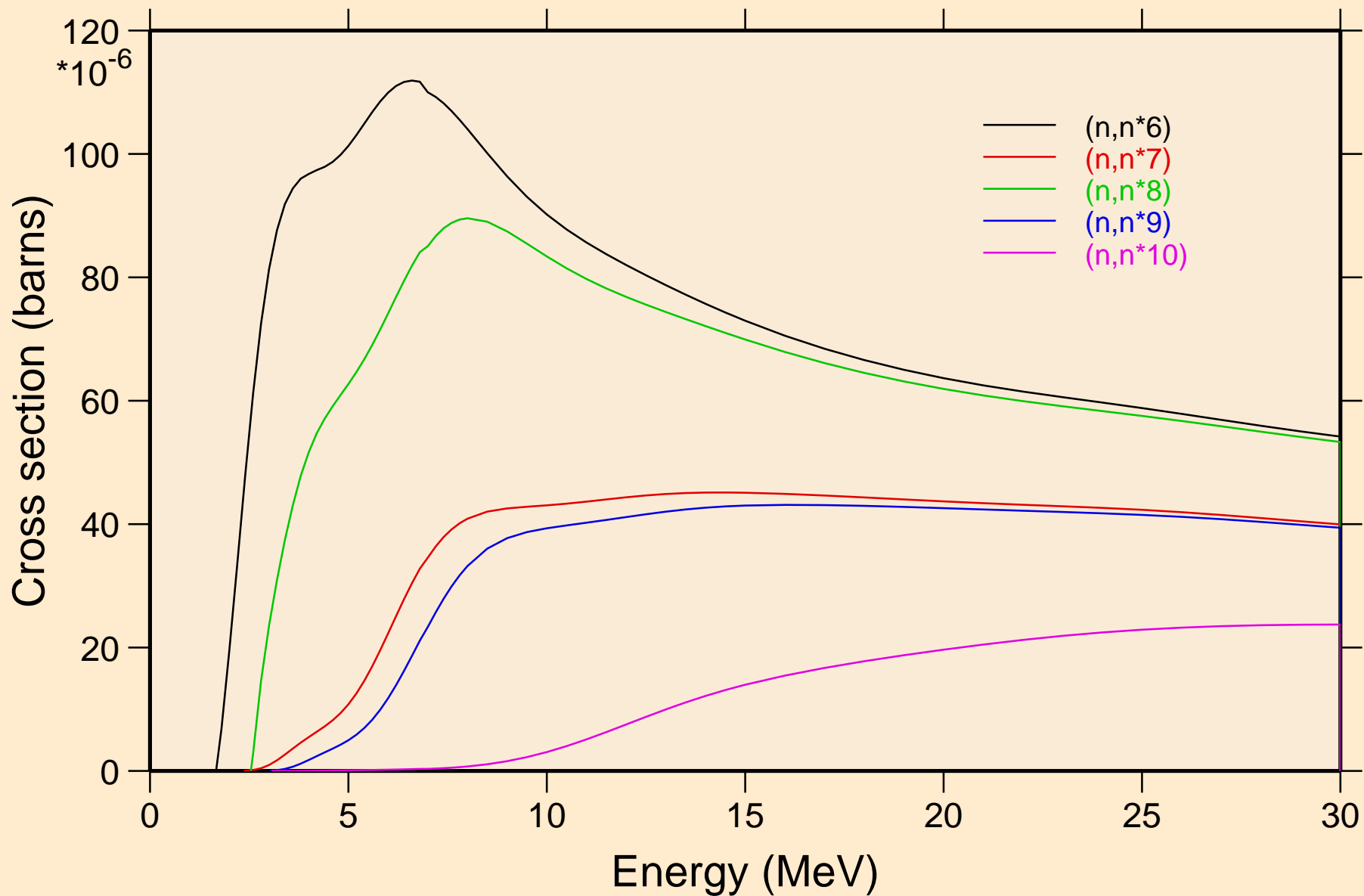
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions



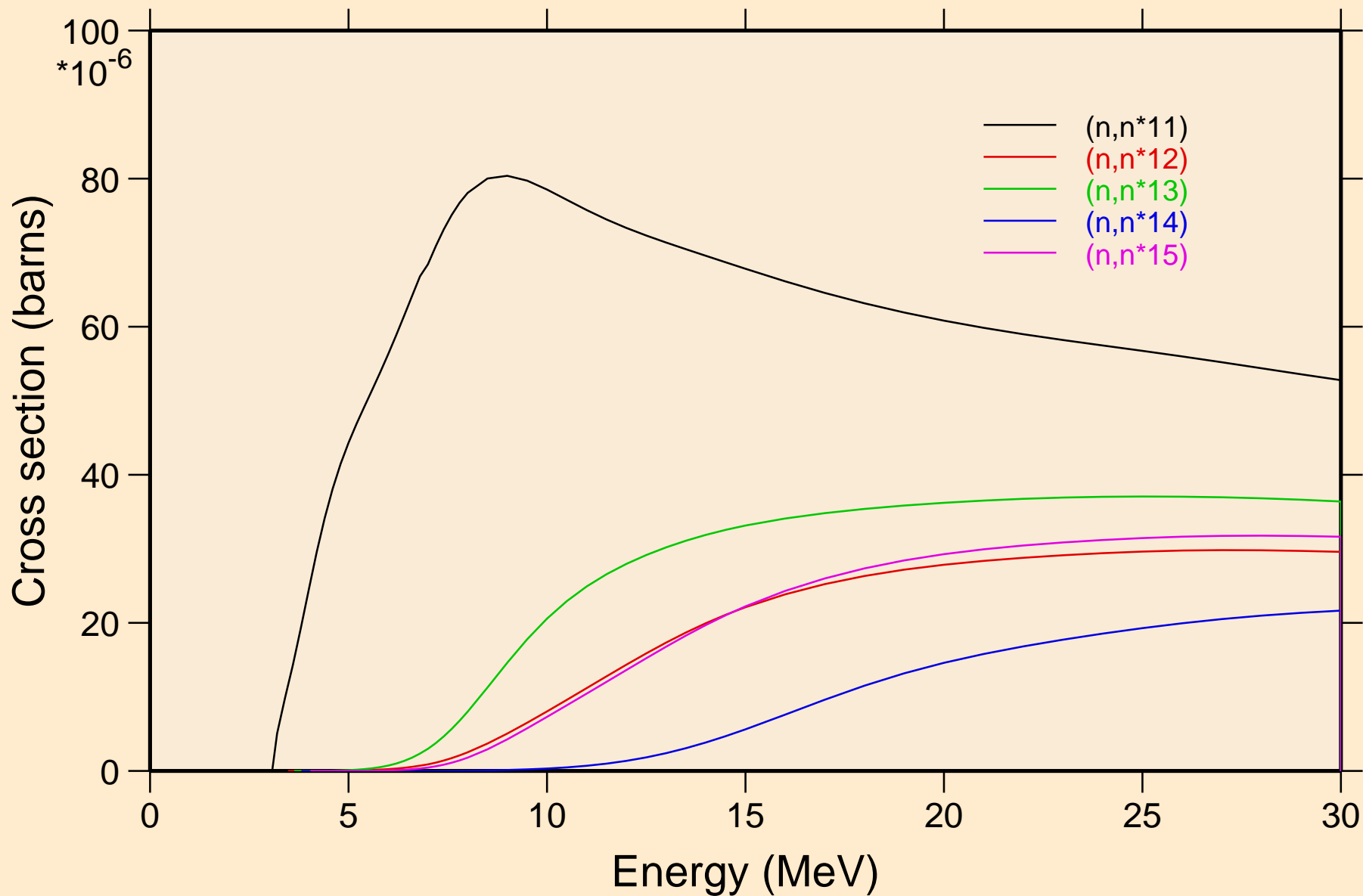
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



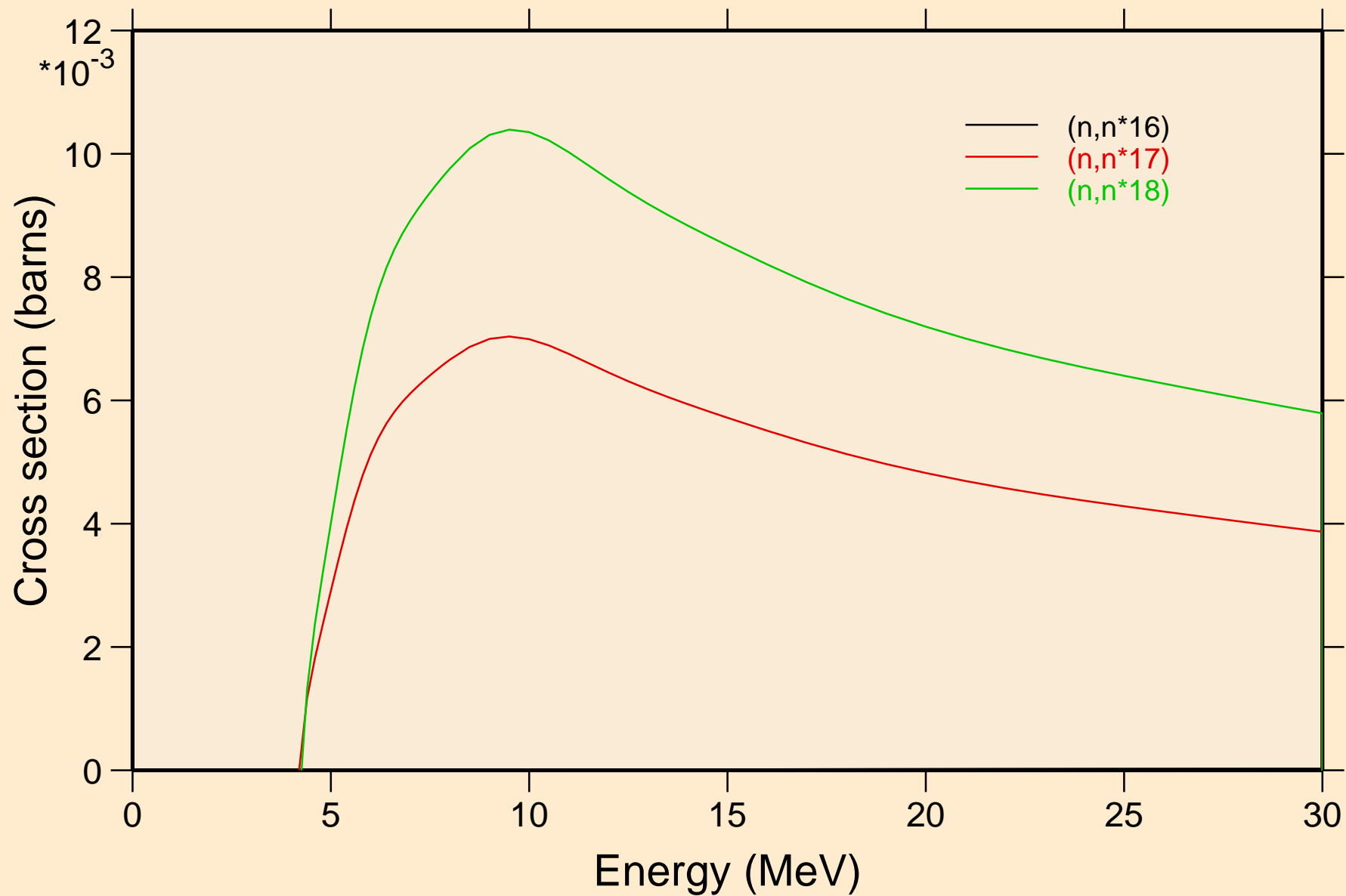
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



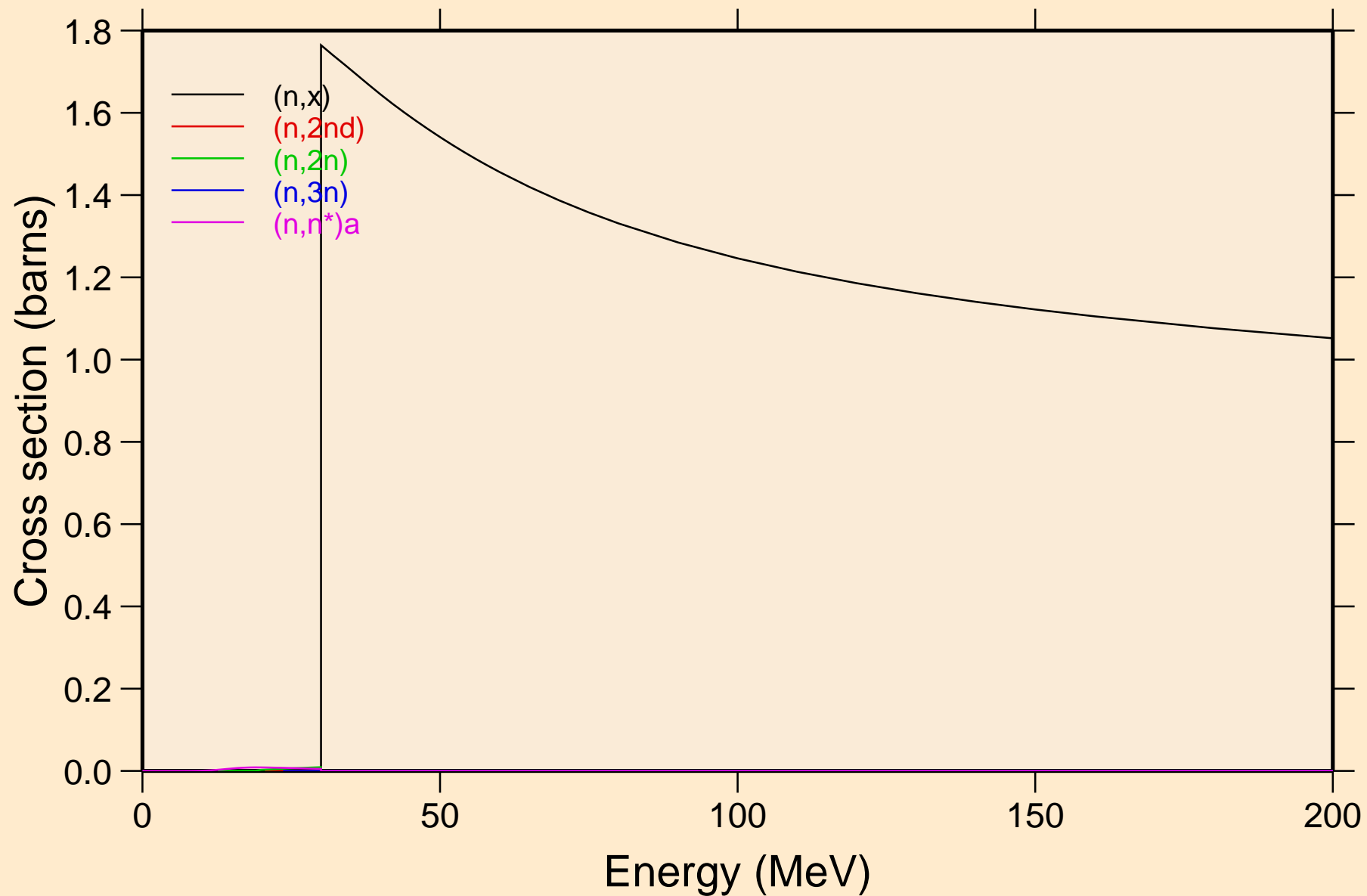
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



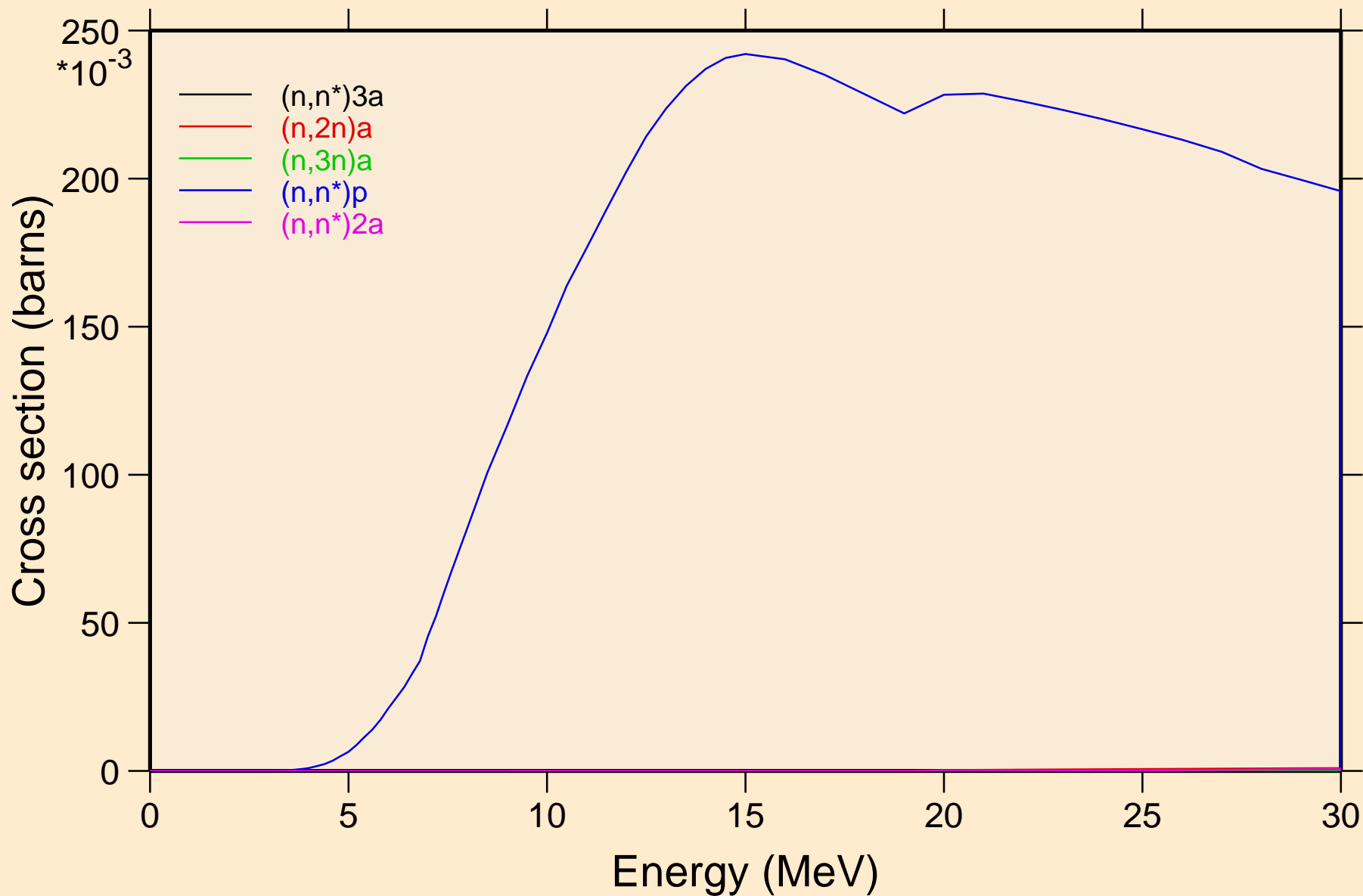


# I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

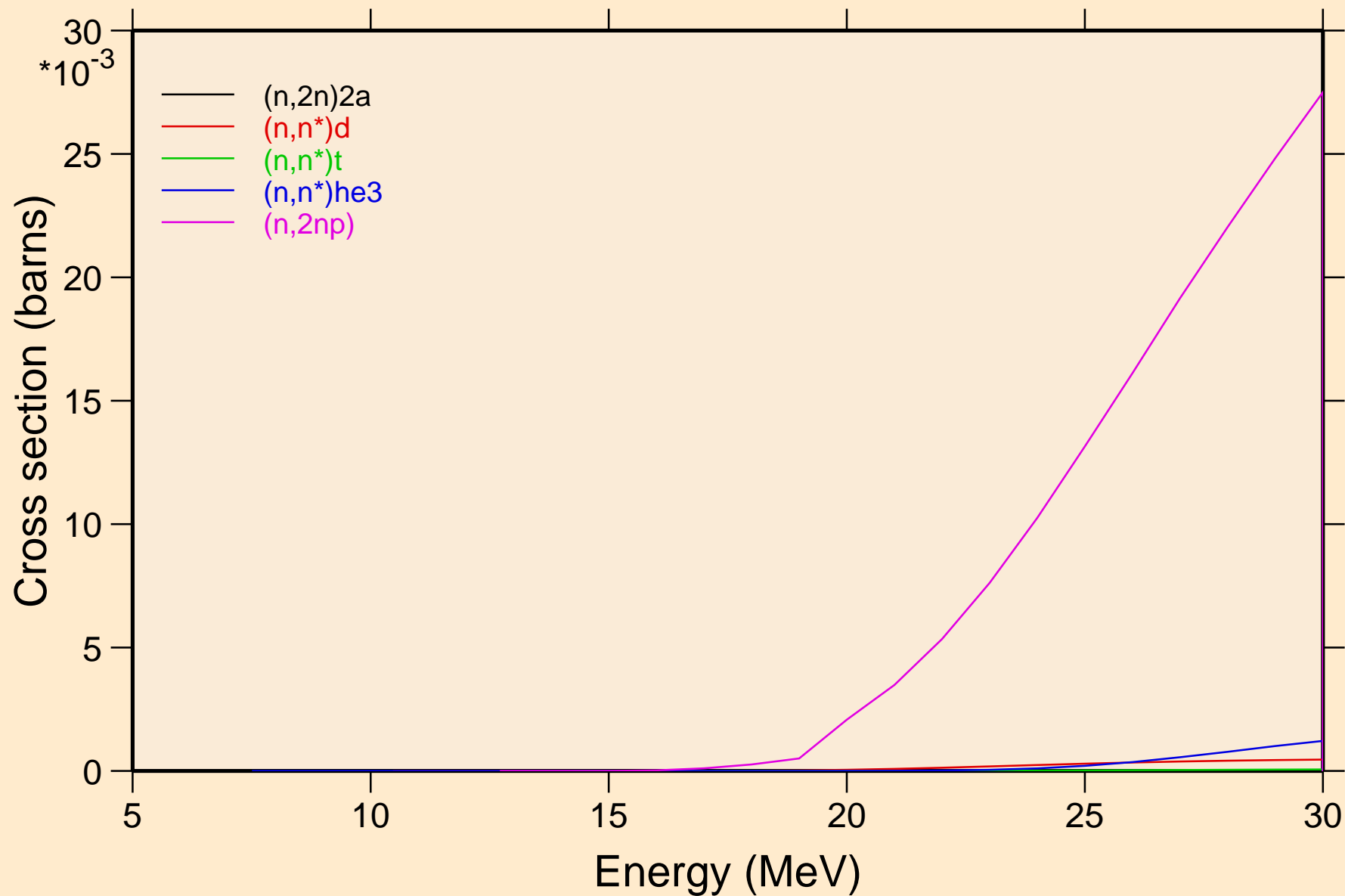
## Threshold reactions



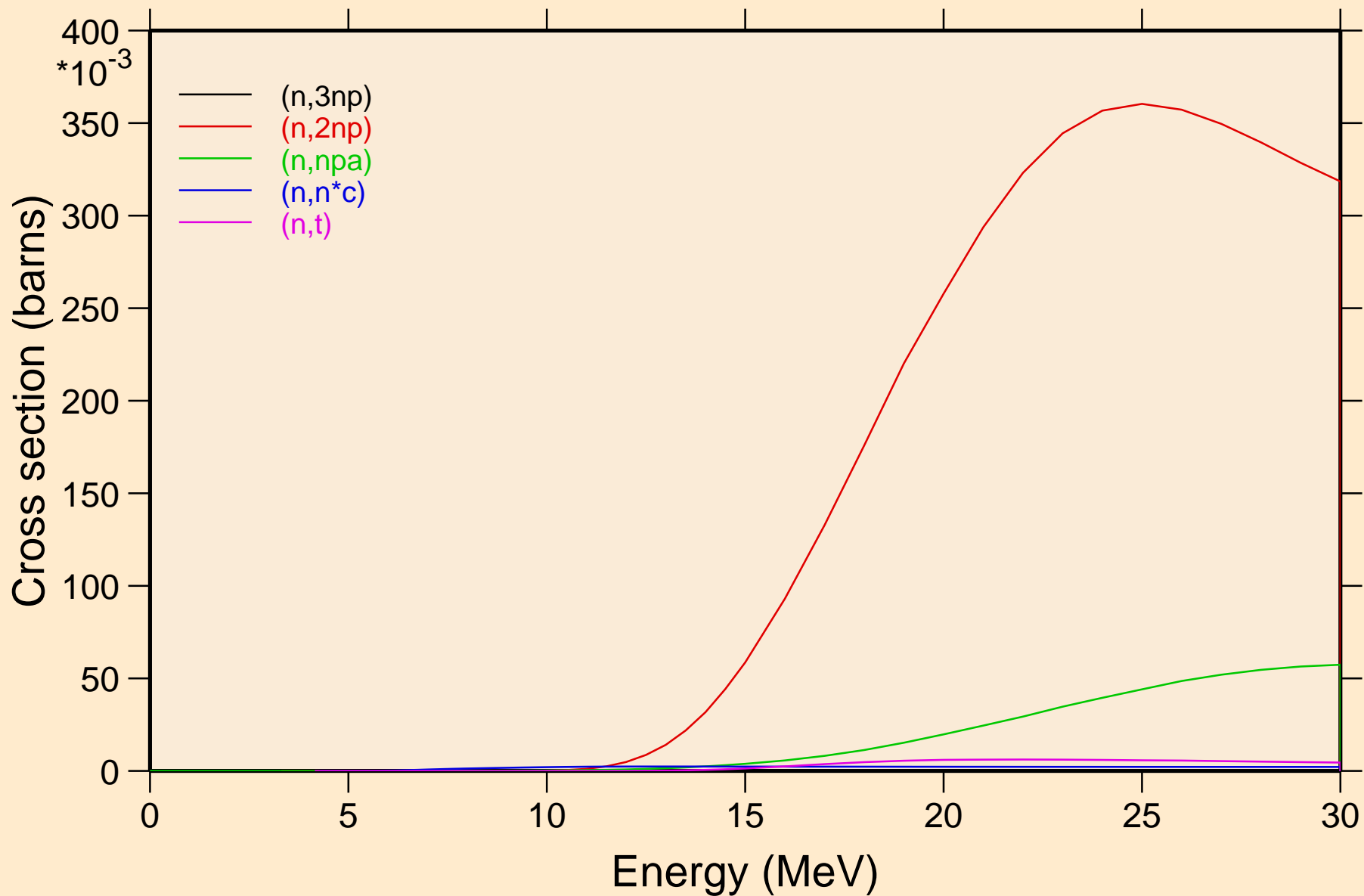
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



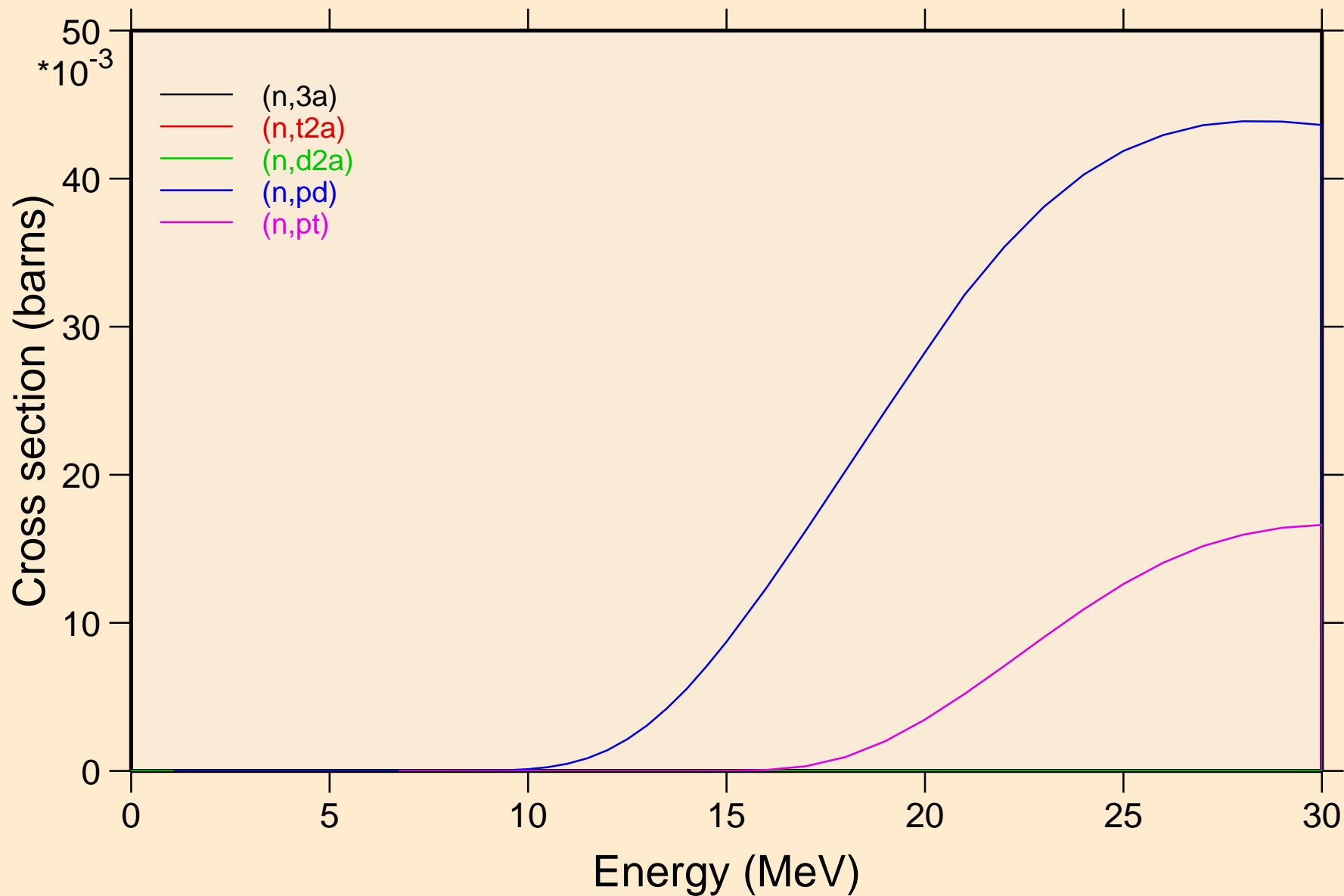
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



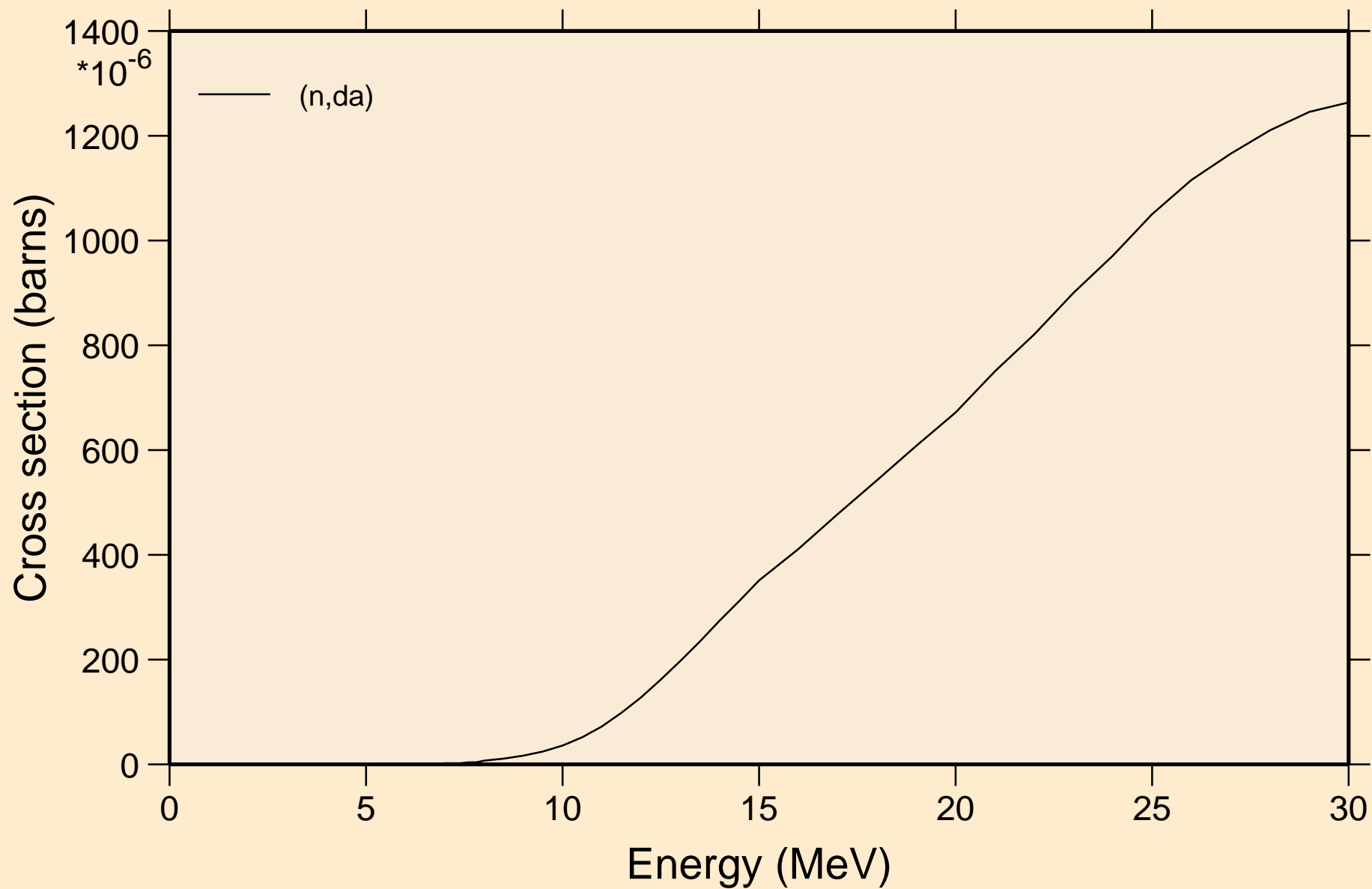
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



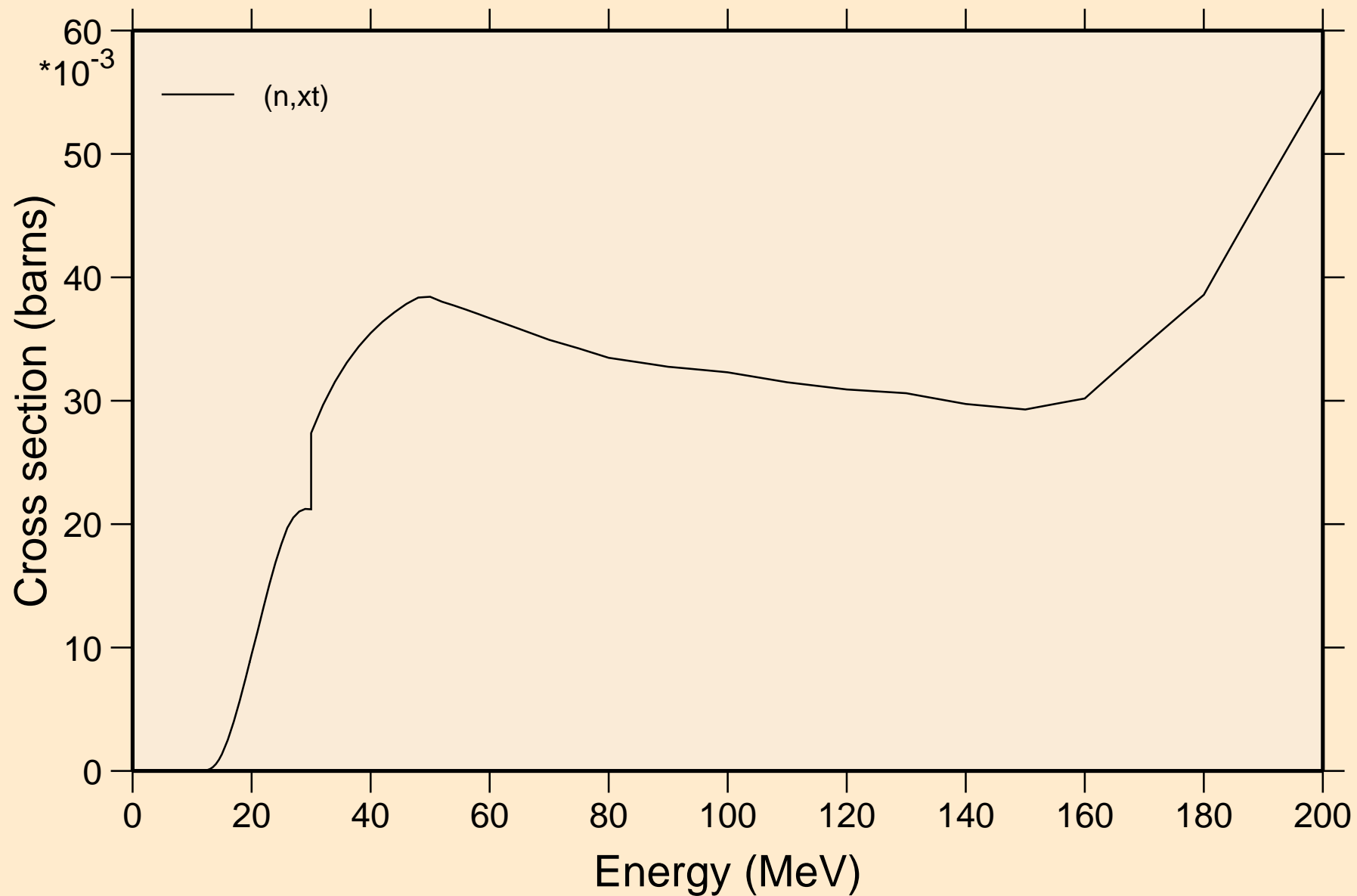
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



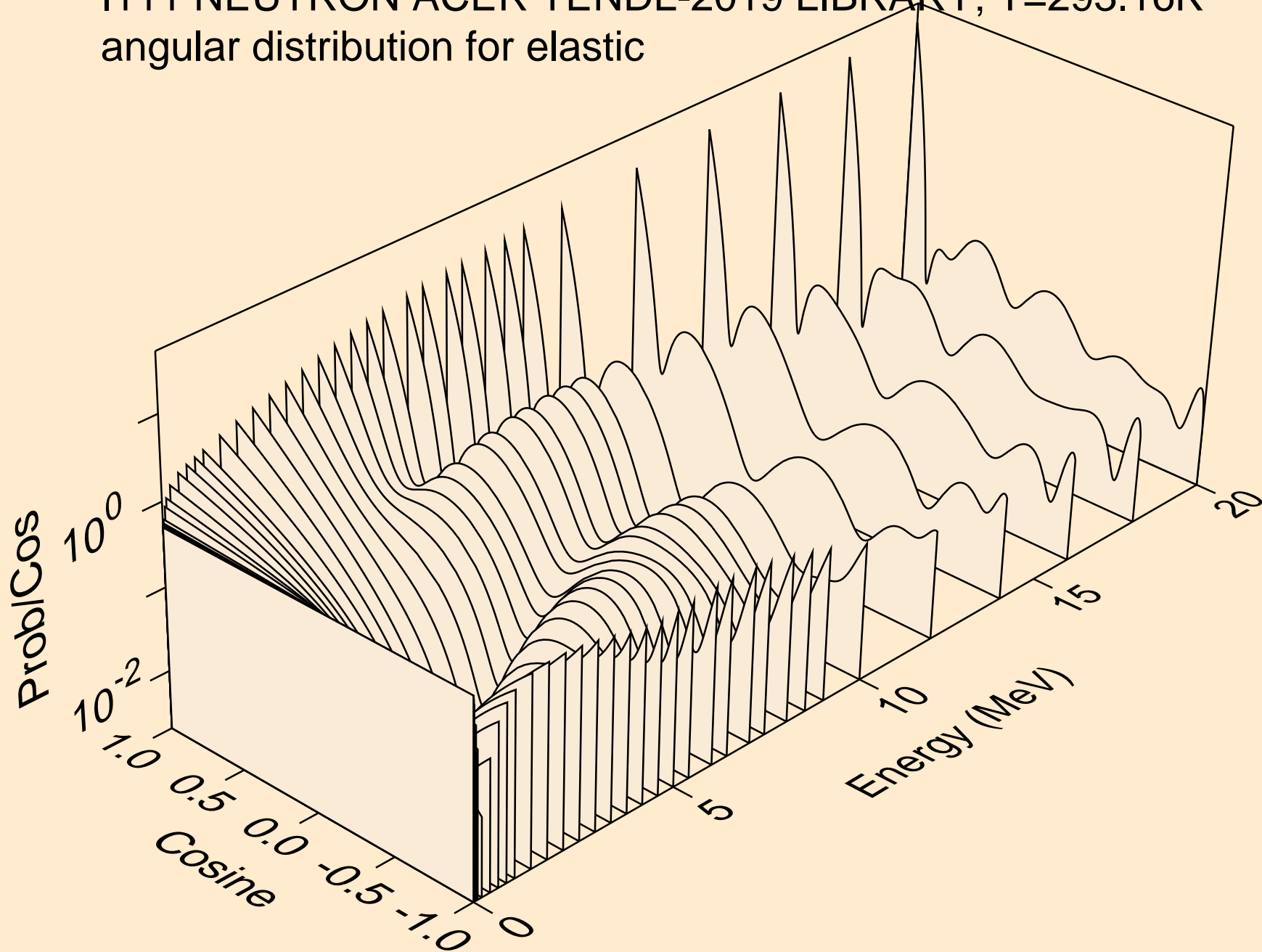
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

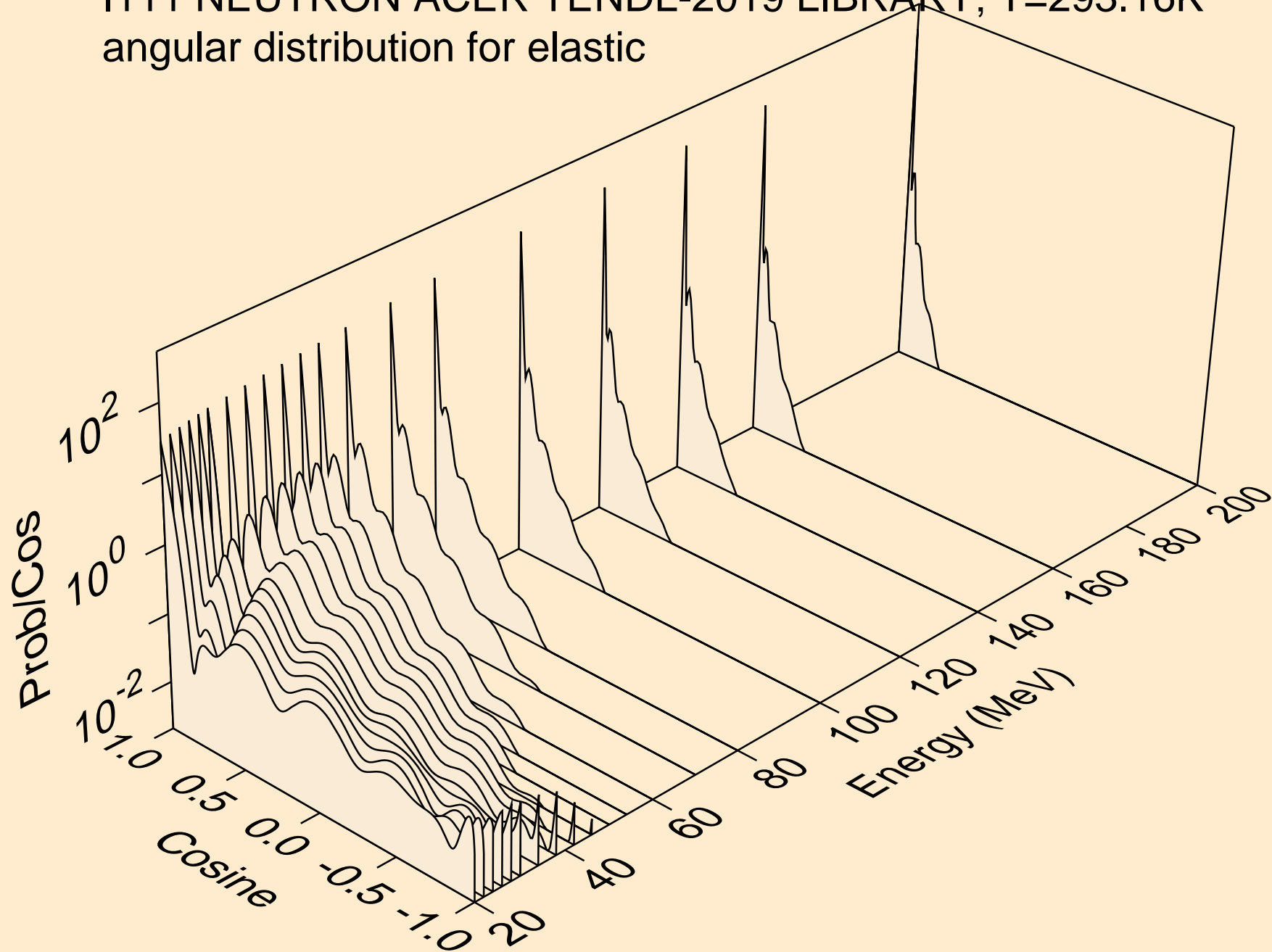


I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic

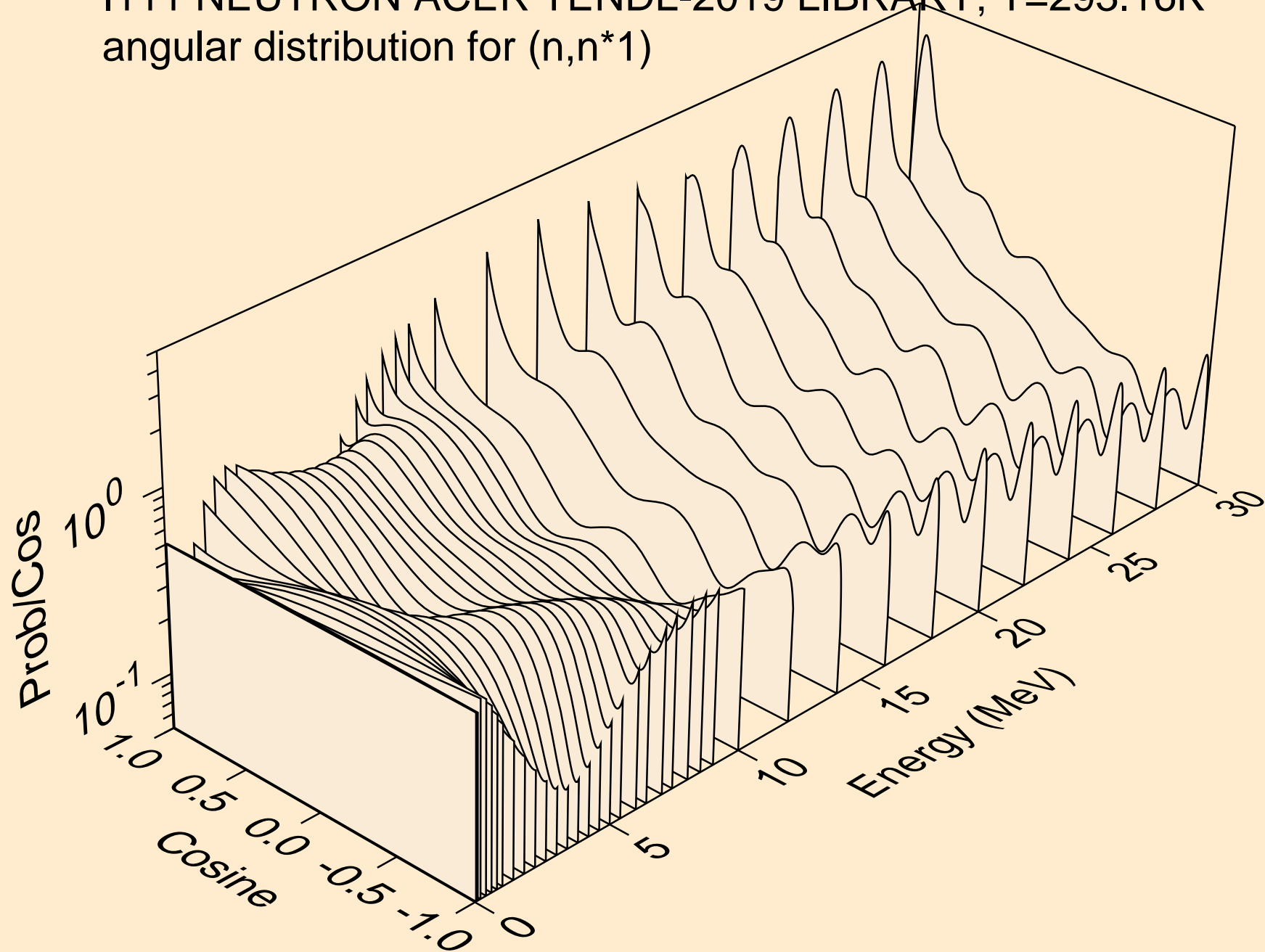




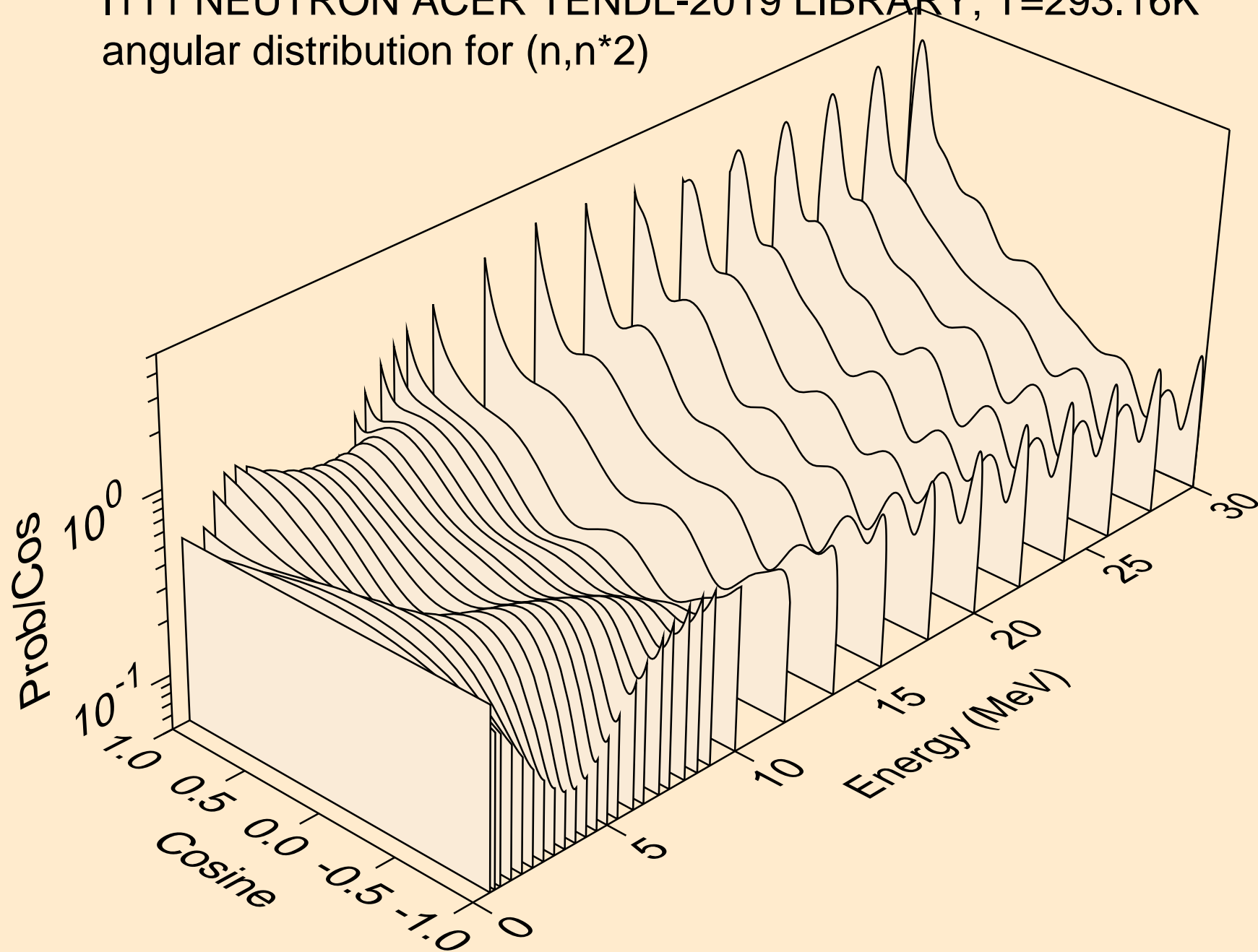
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic



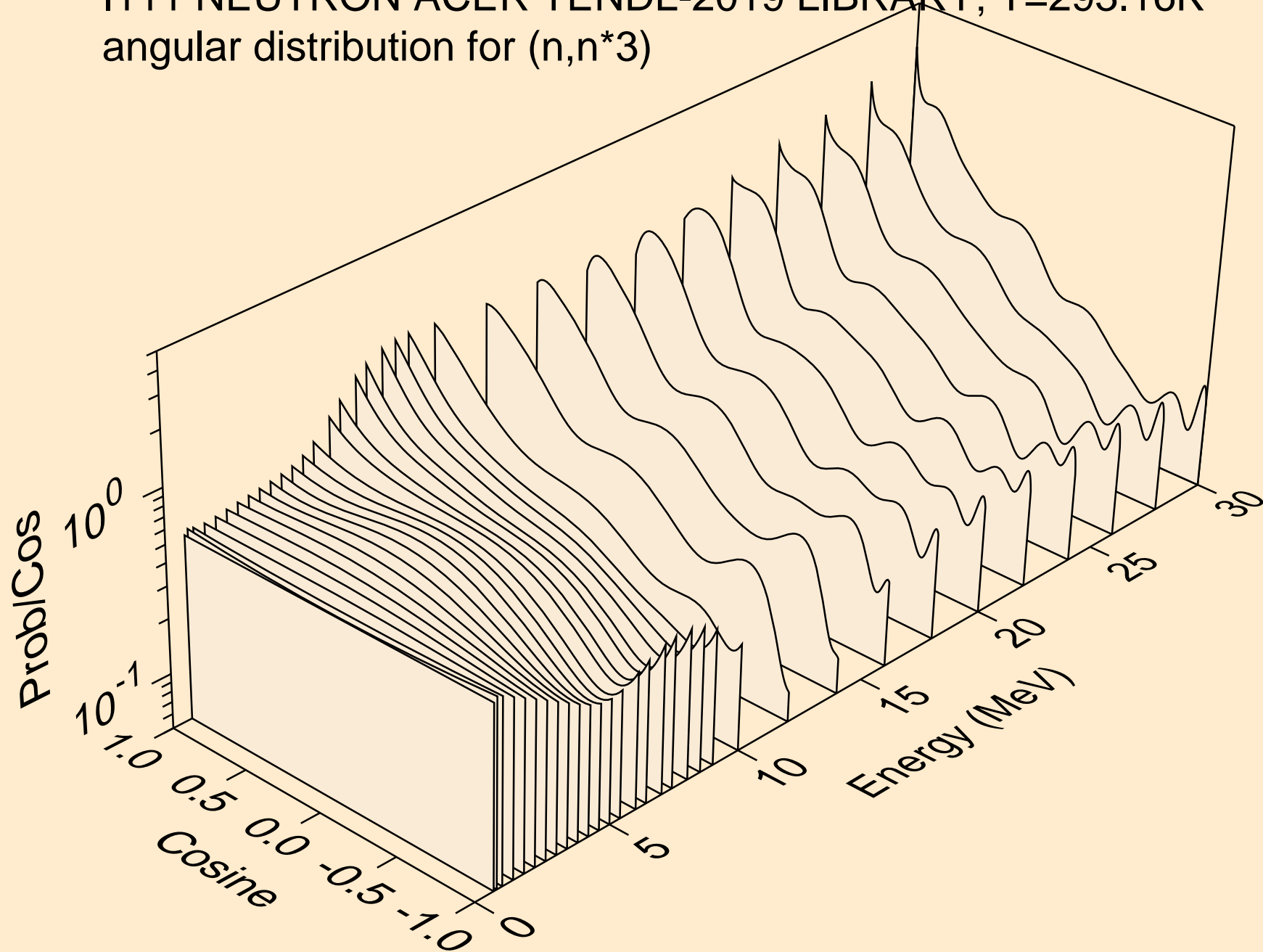
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*1)



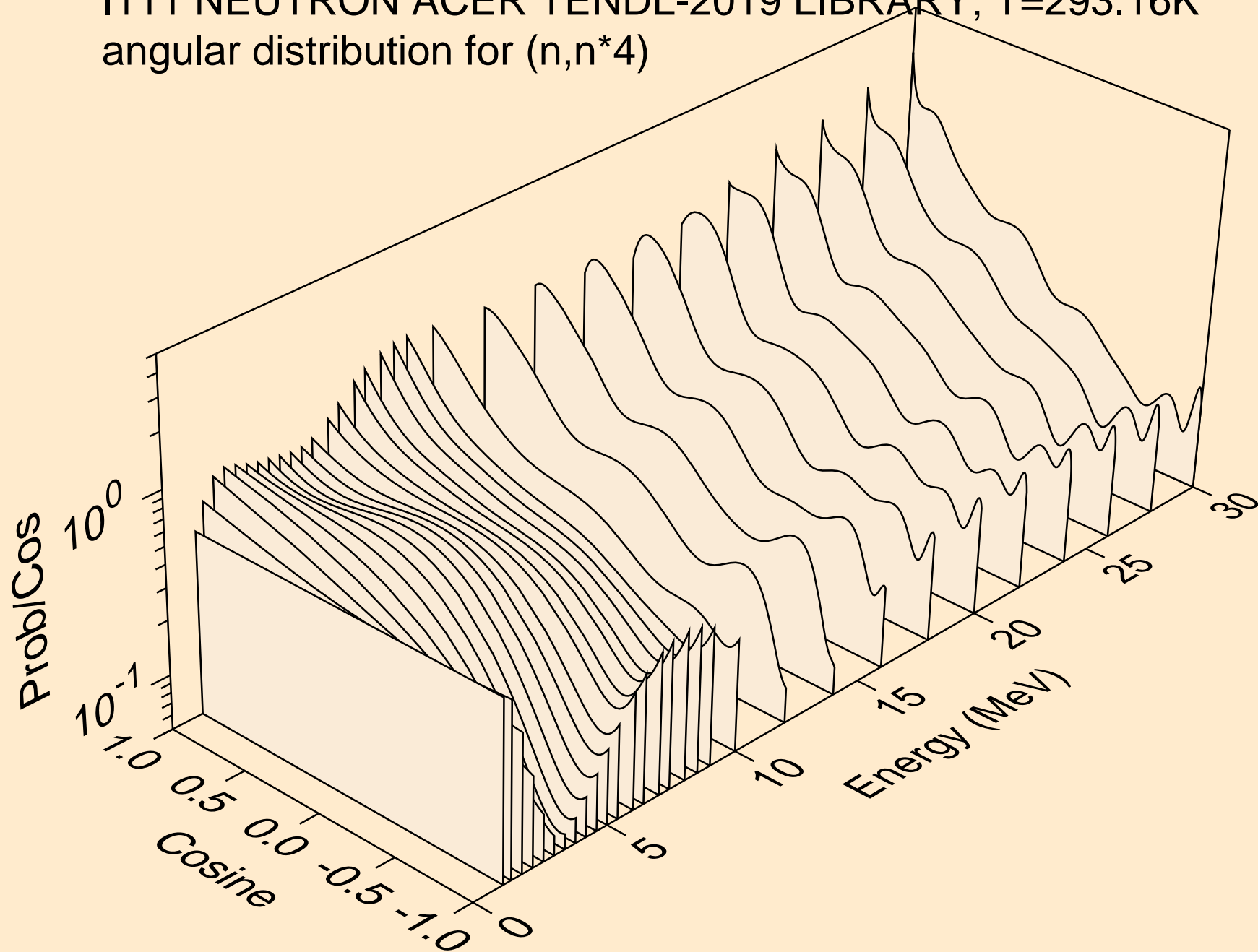
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*2)



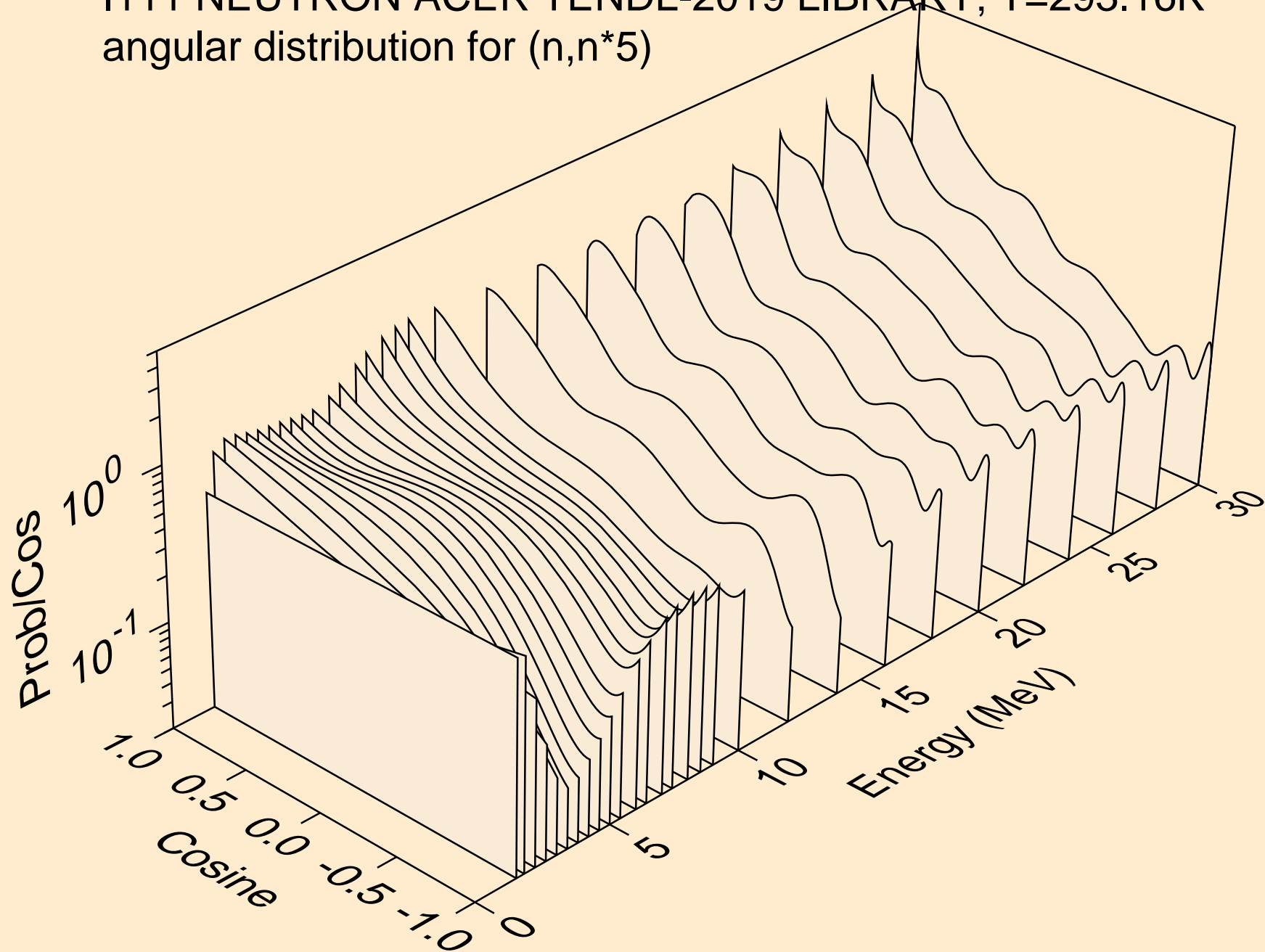
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*3)



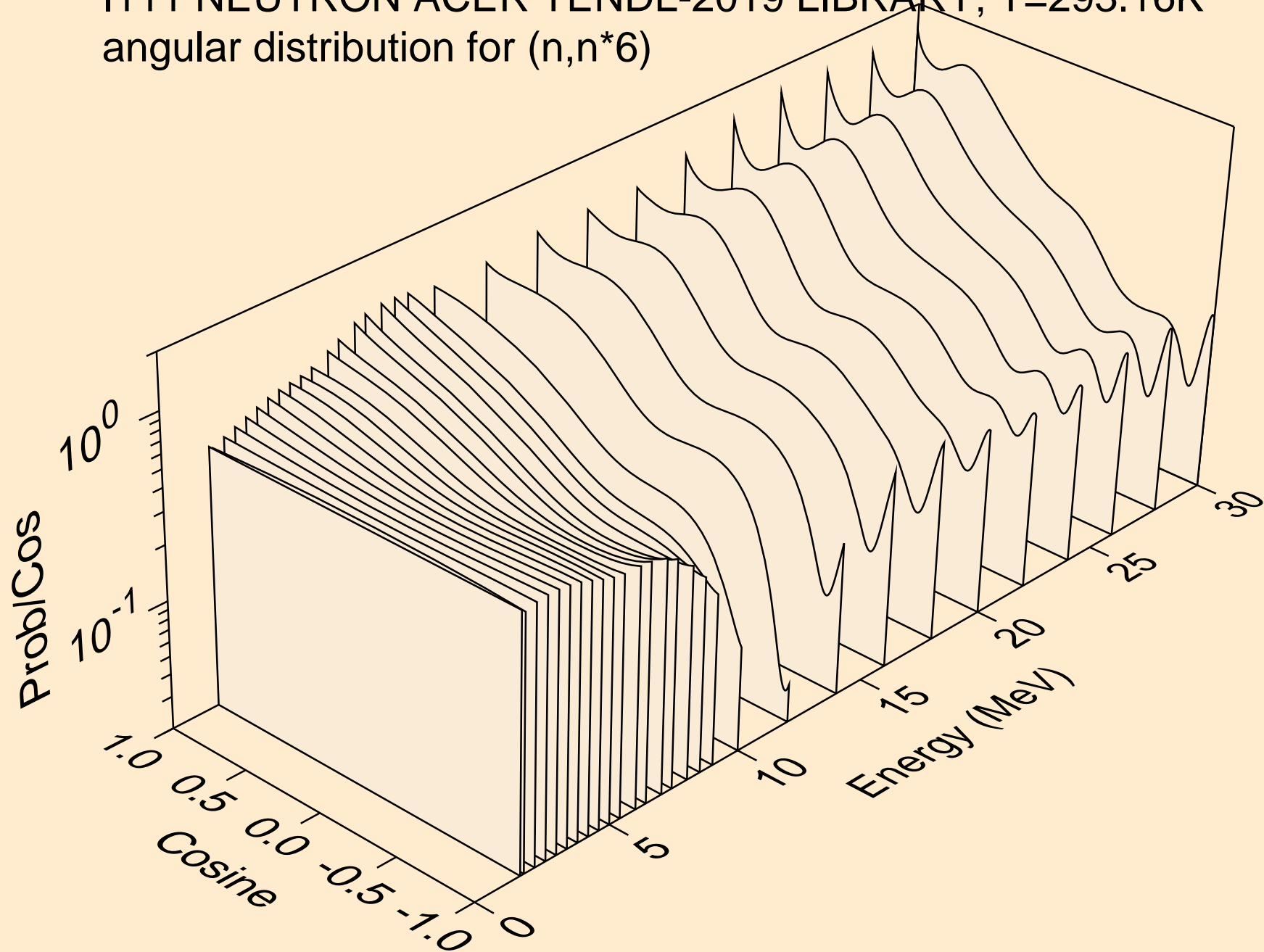
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*4)



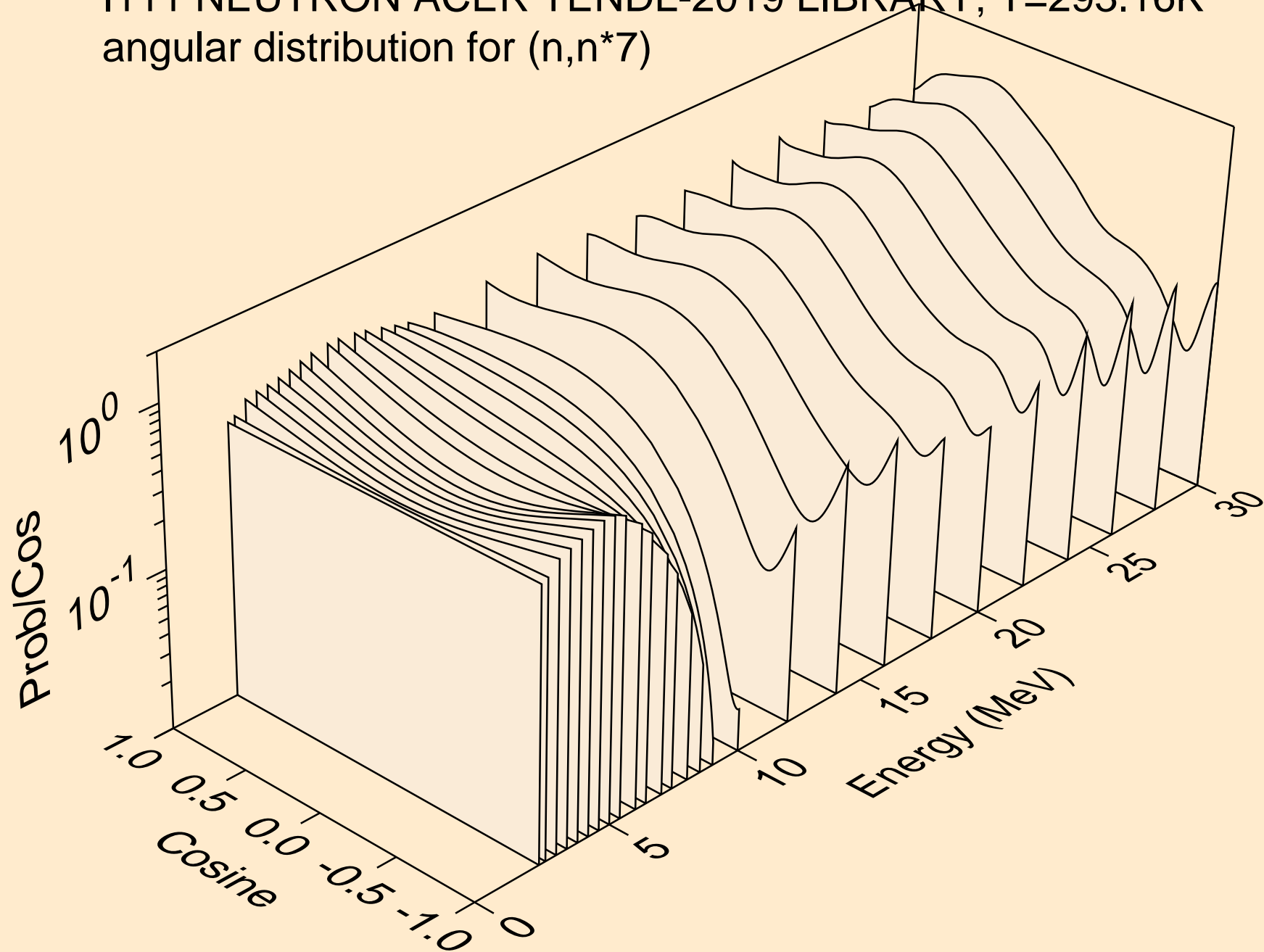
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*5)



I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*6)

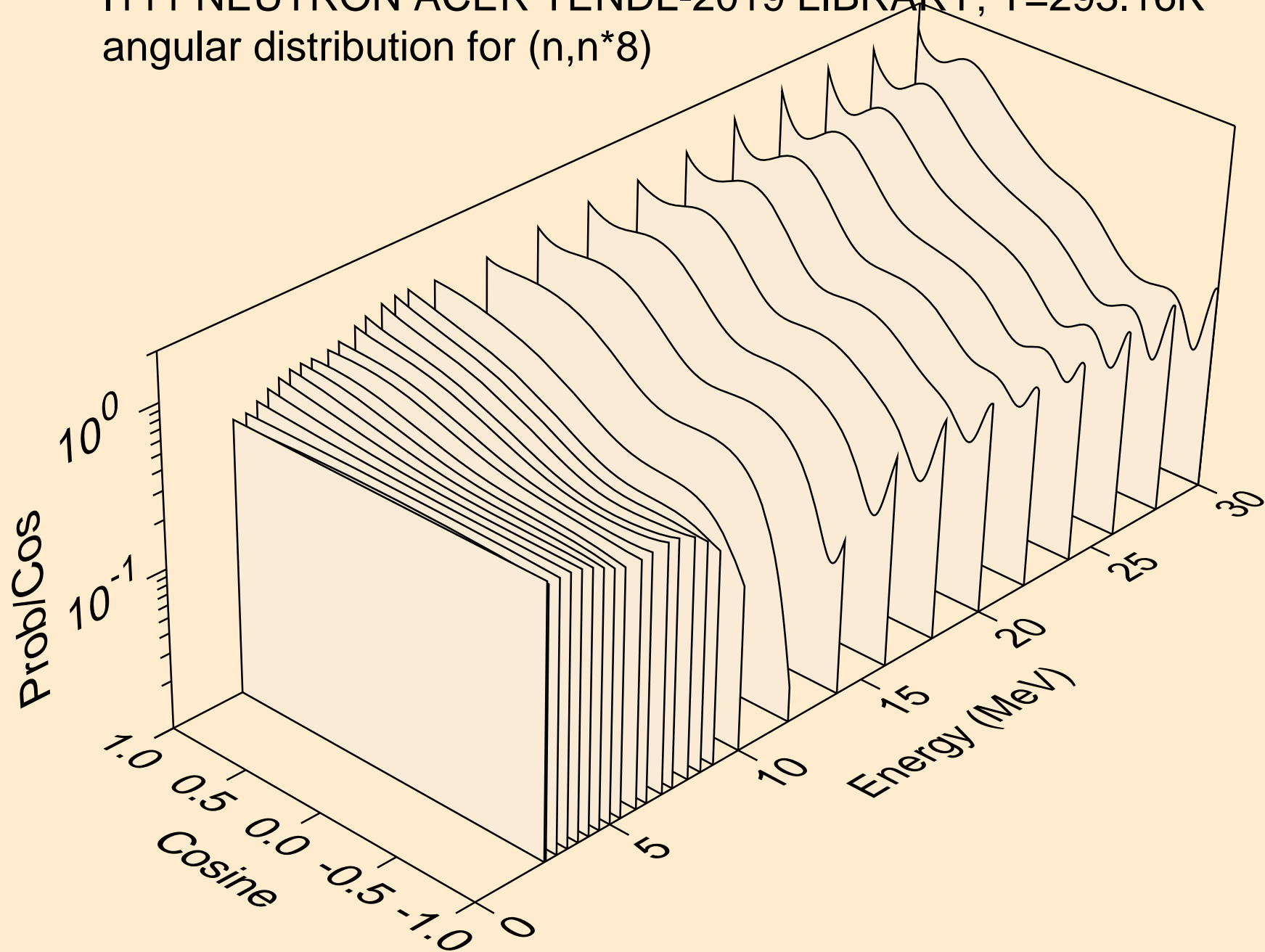


I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*7)

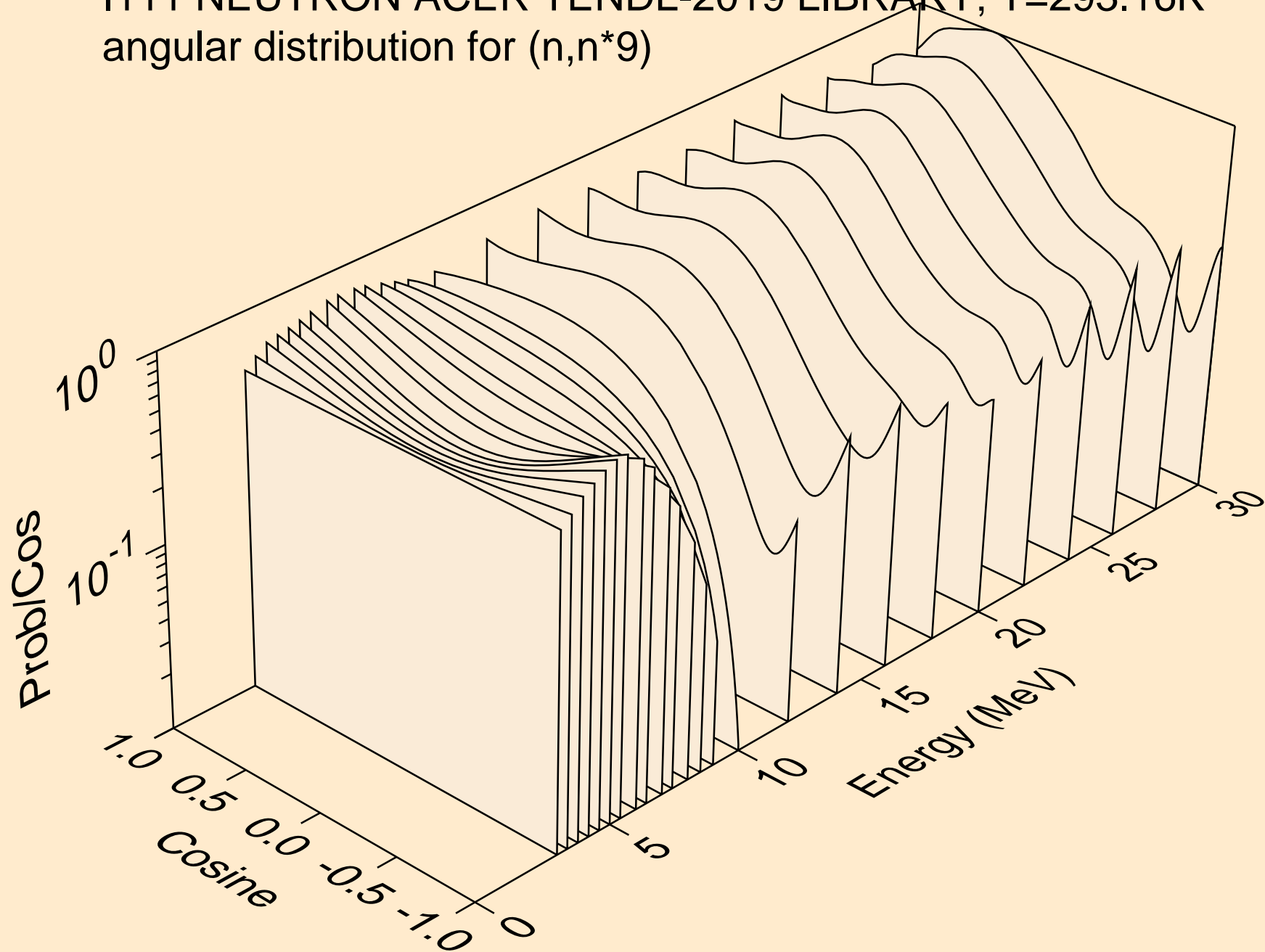




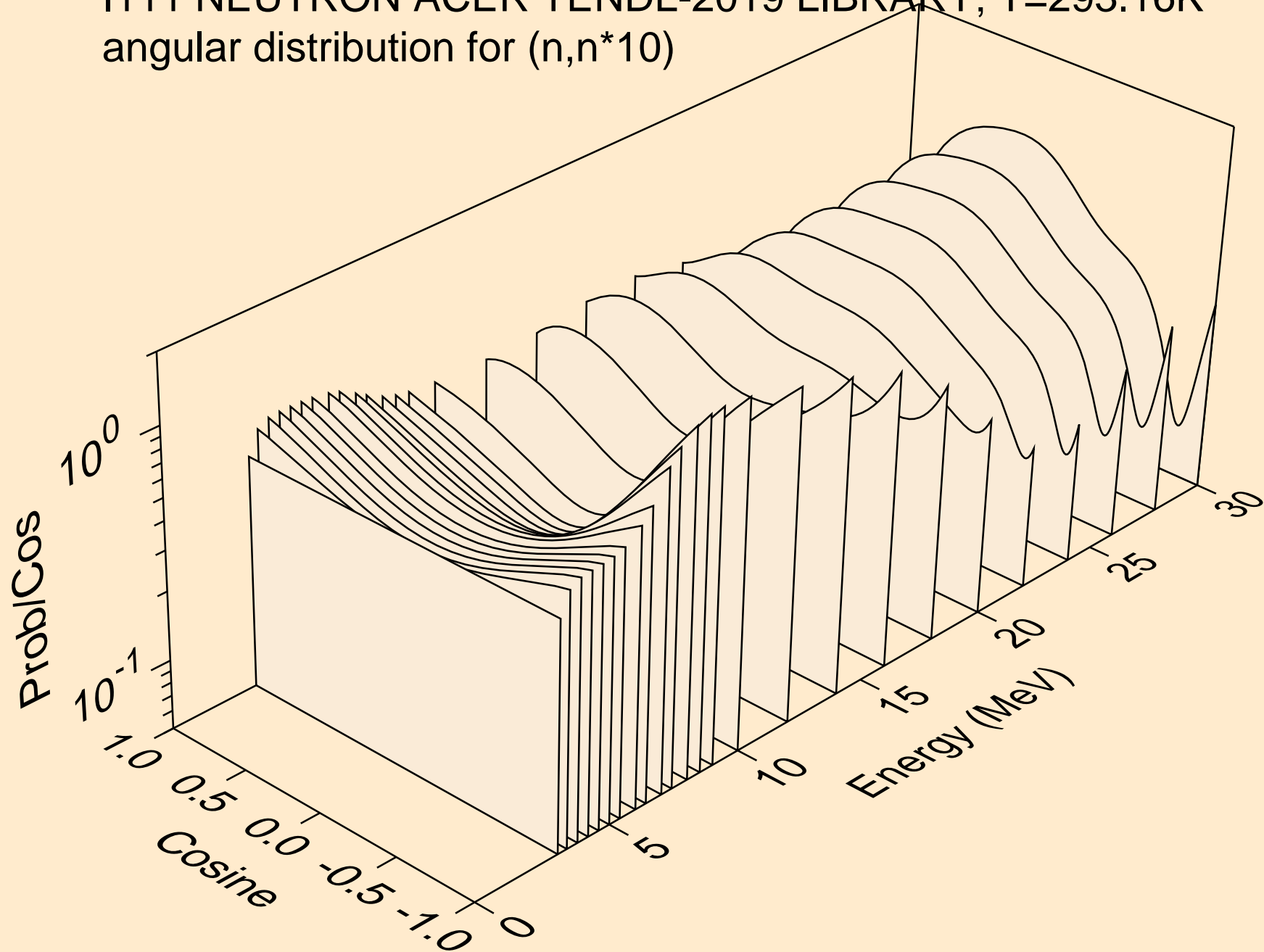
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*8)



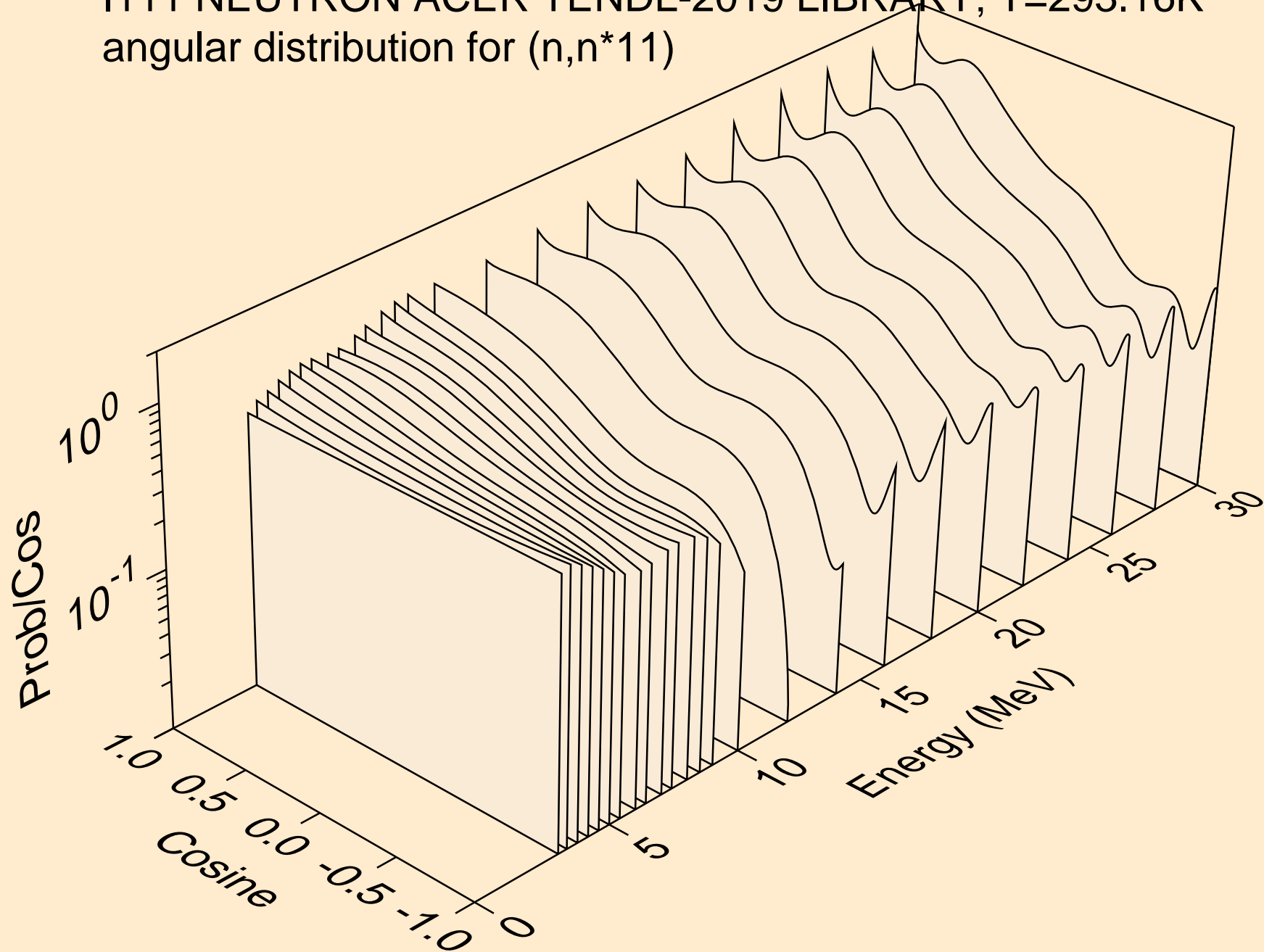
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*9)



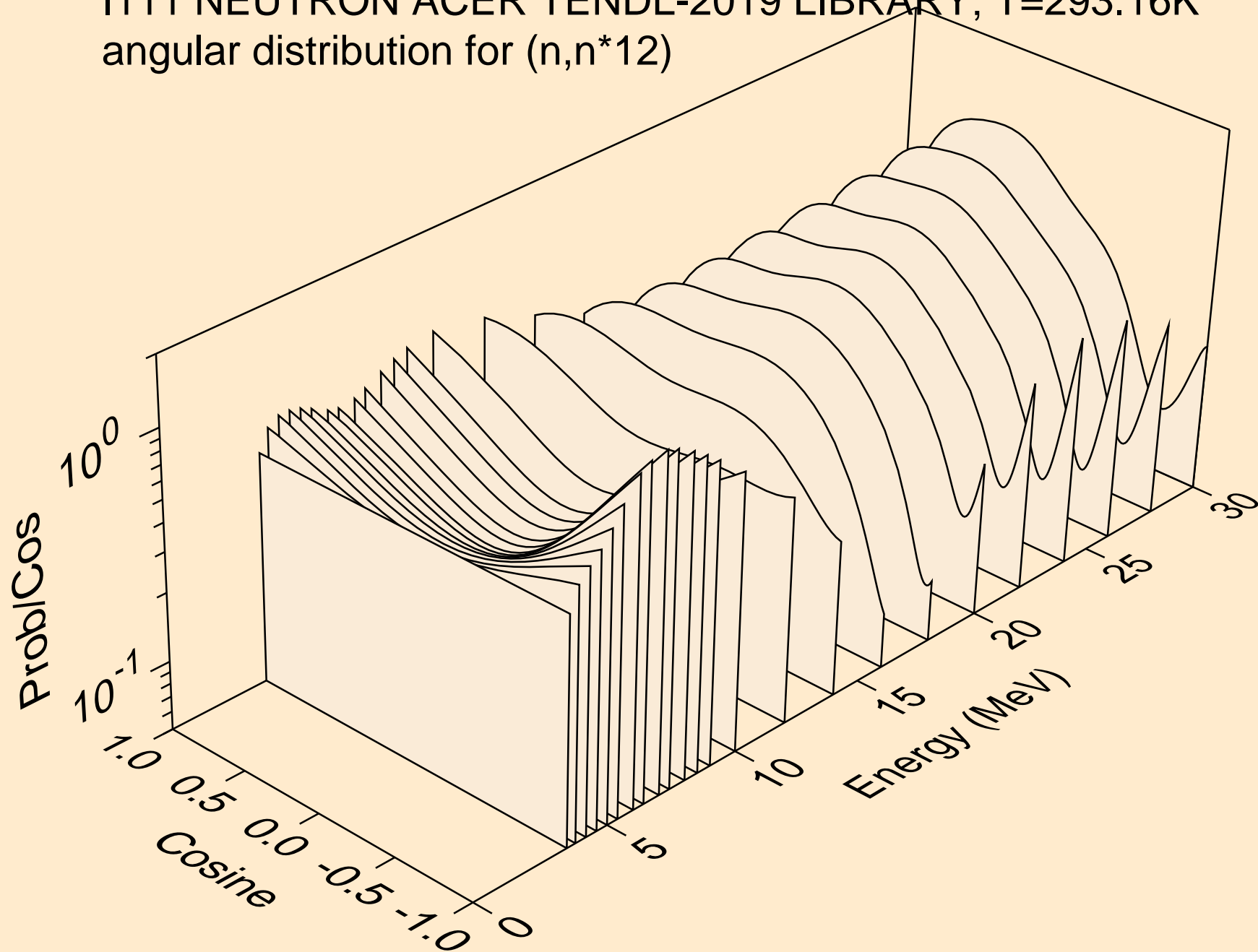
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*10)



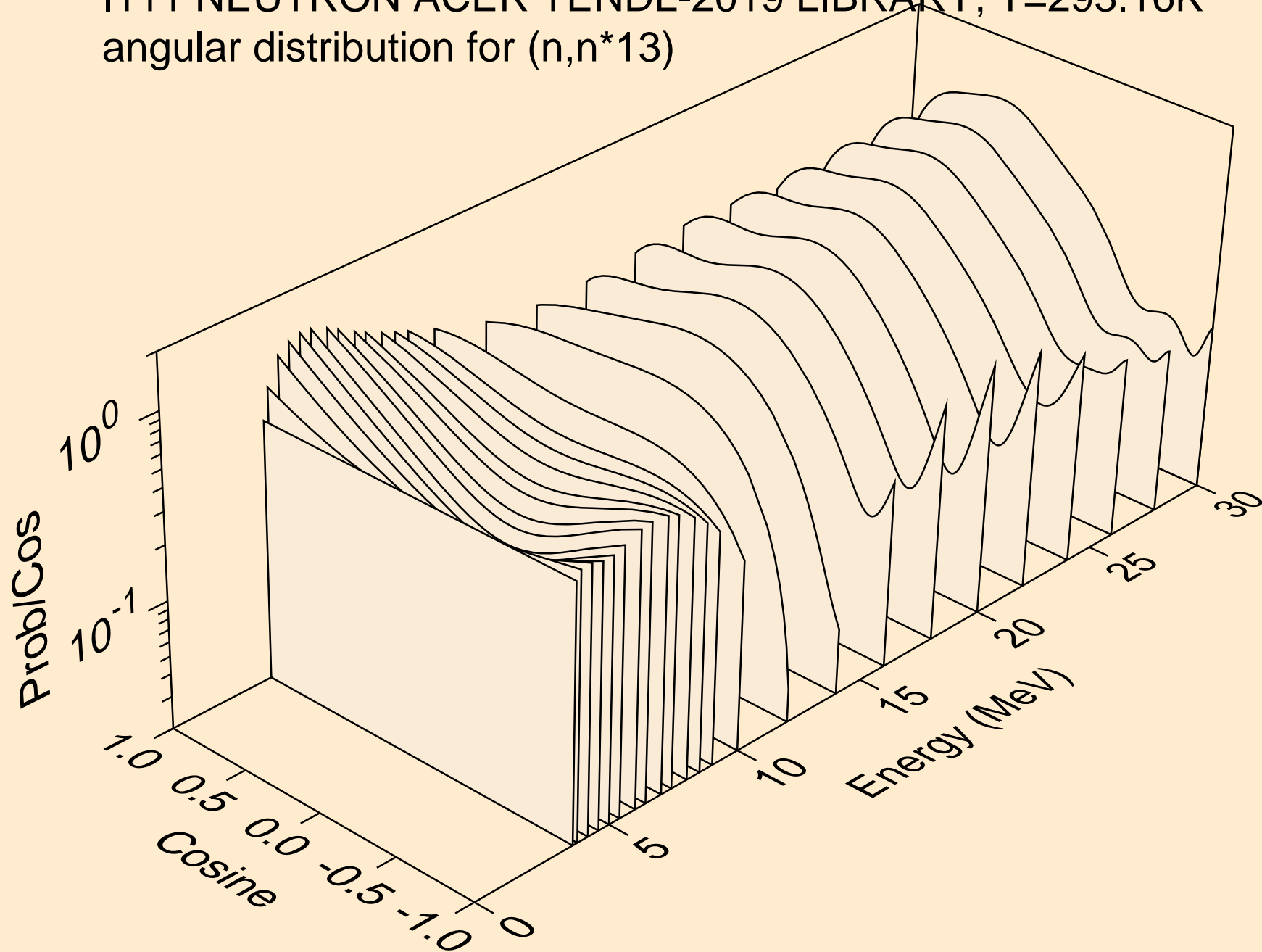
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*11)



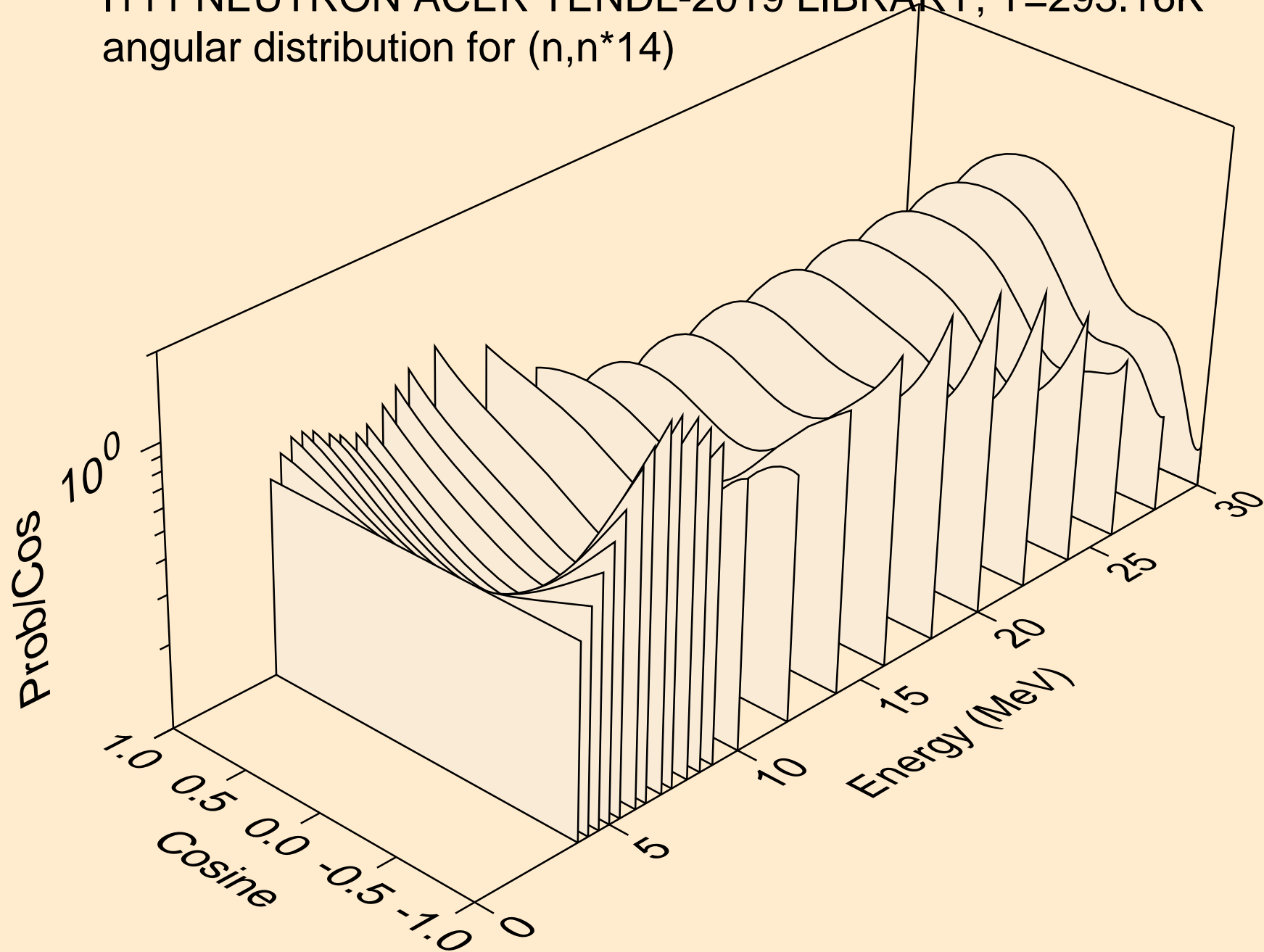
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*12)



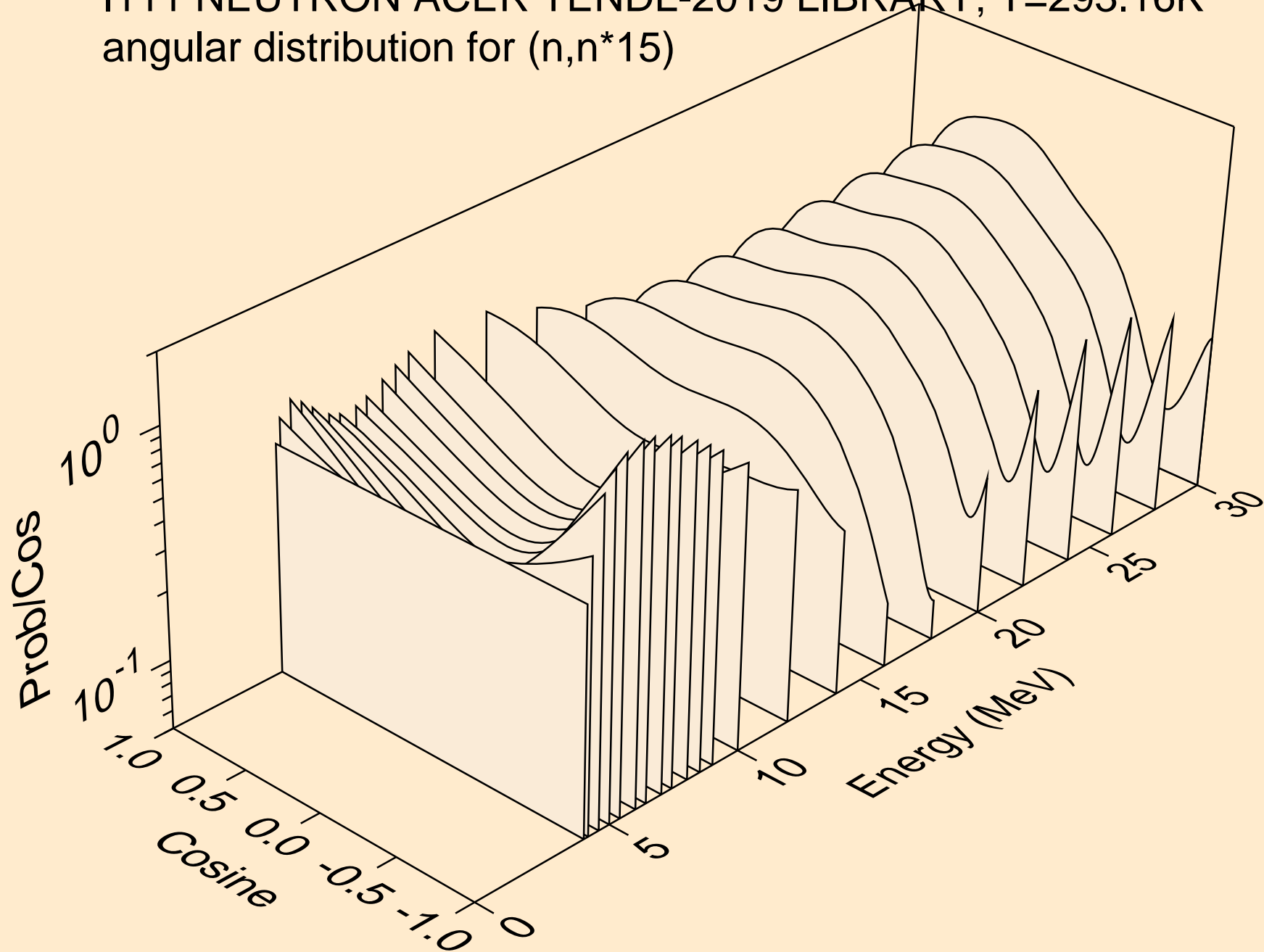
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*13)



I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*14)

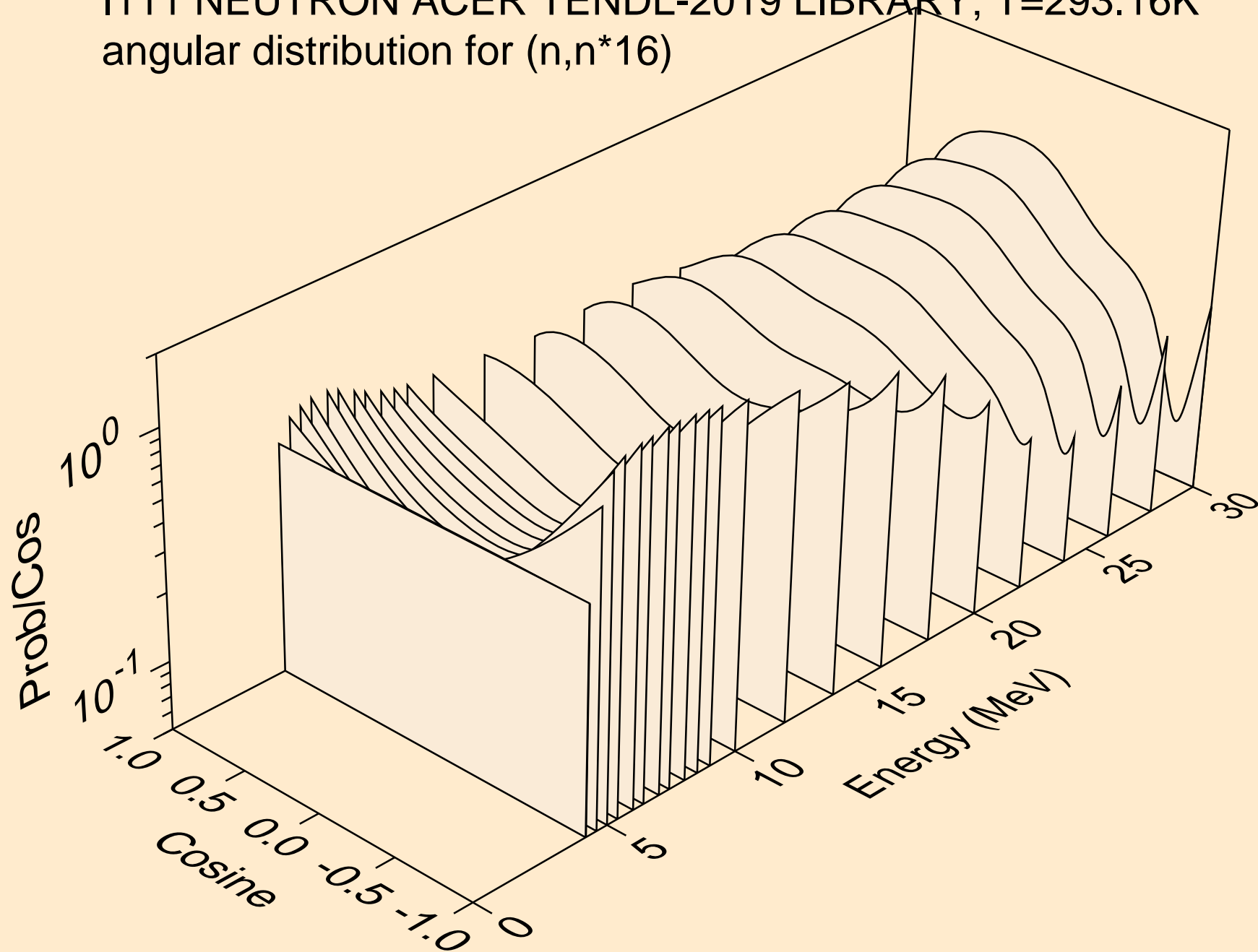


I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*15)

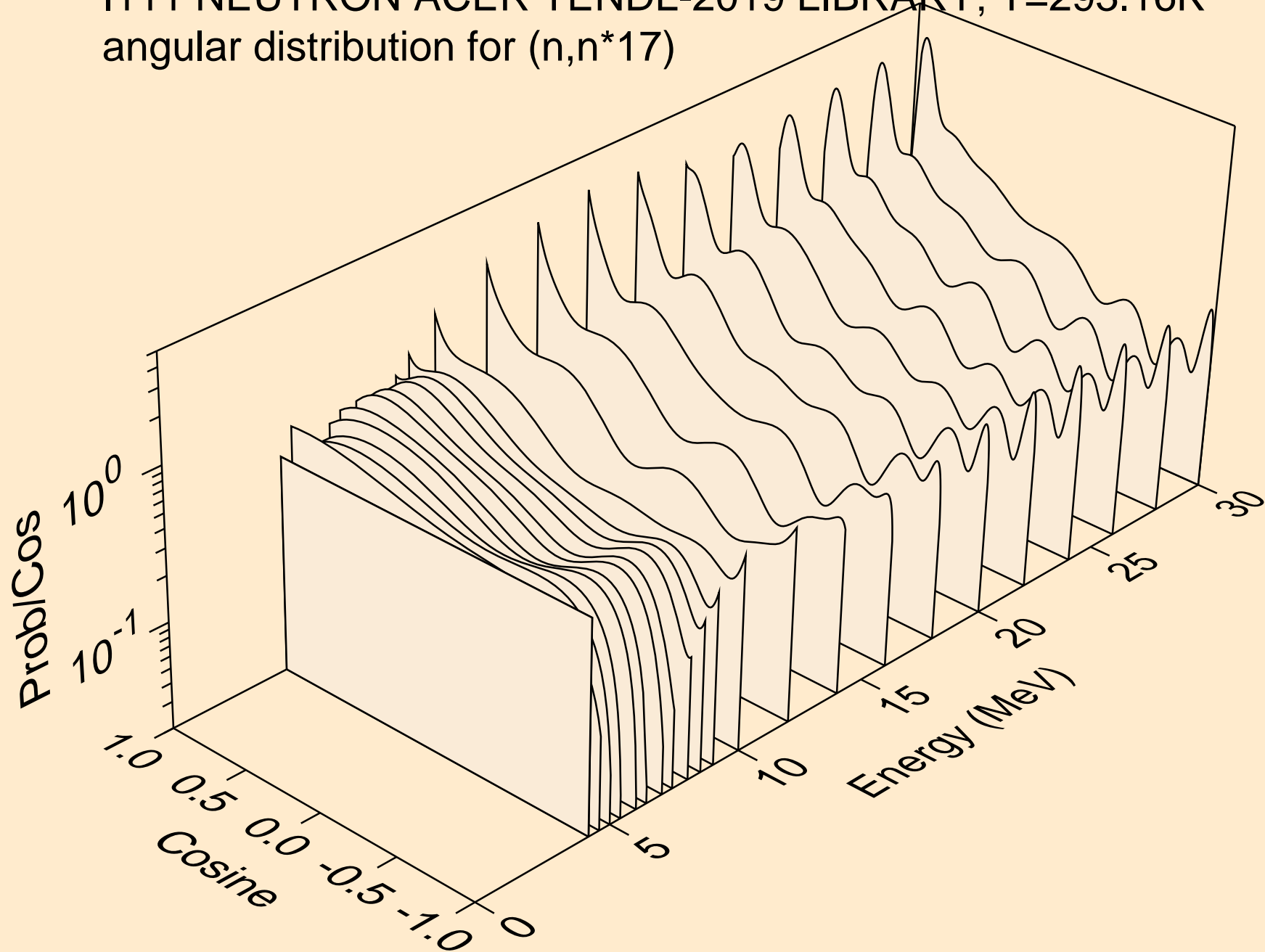




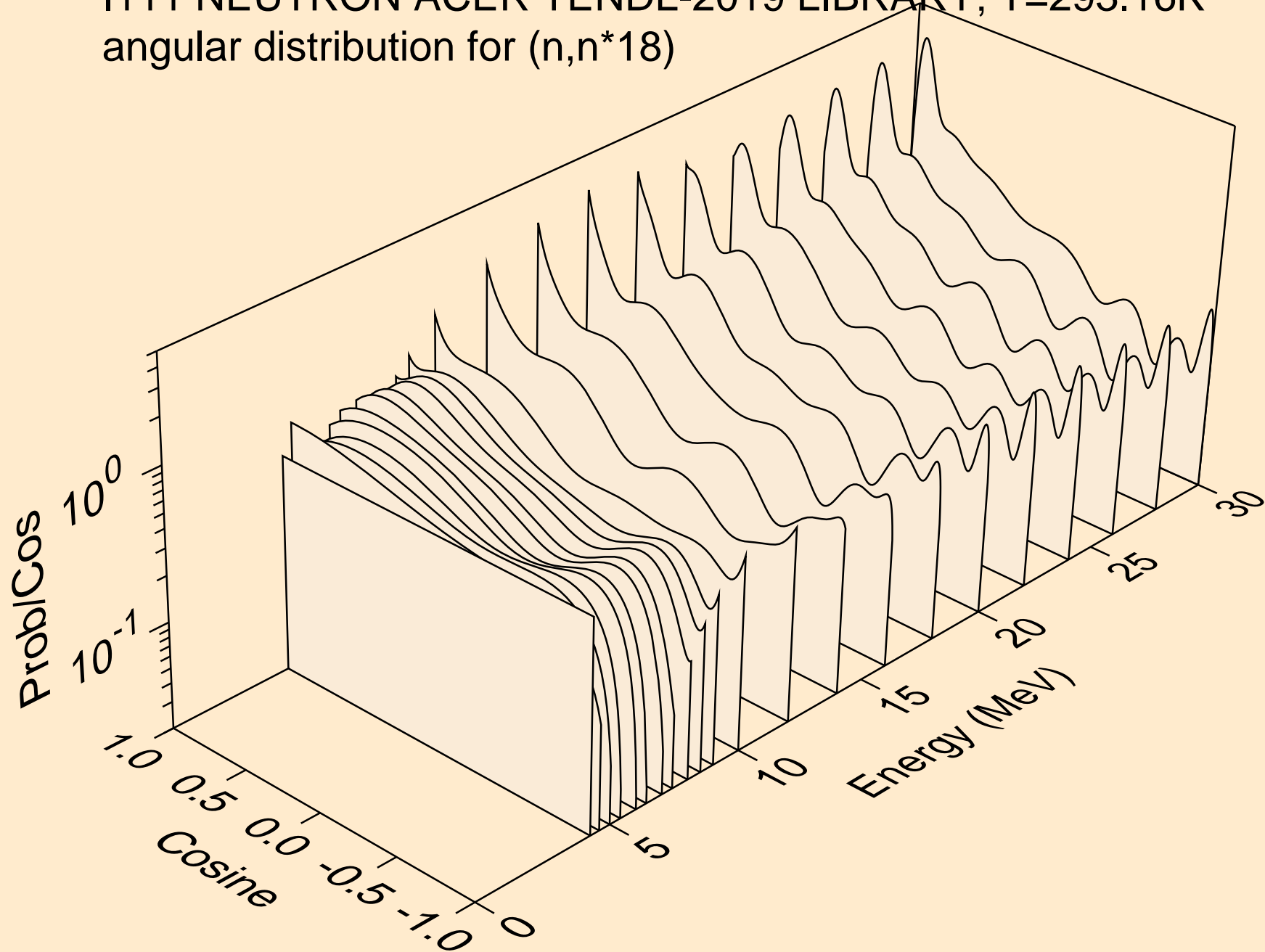
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*16)



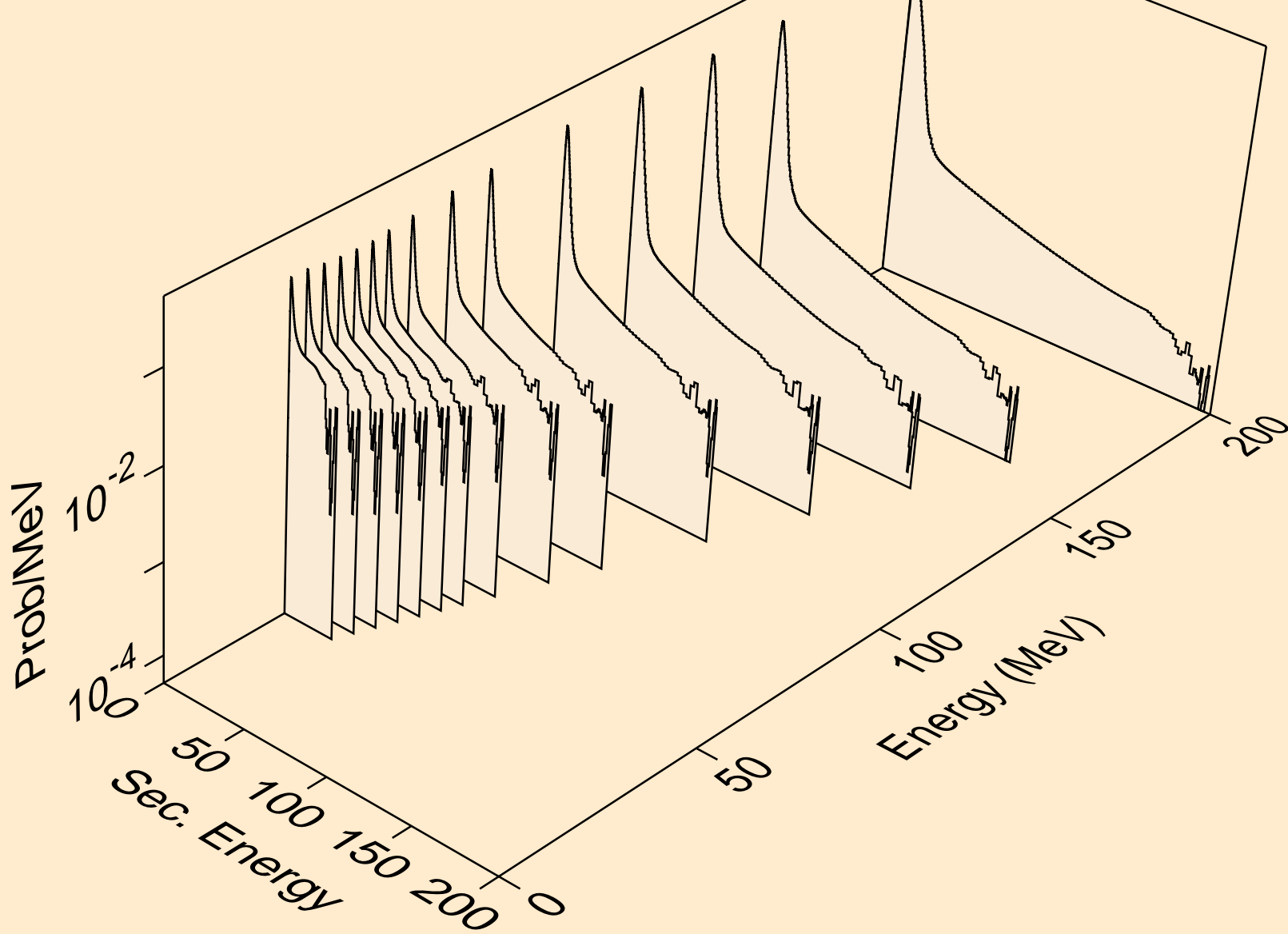
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*17)



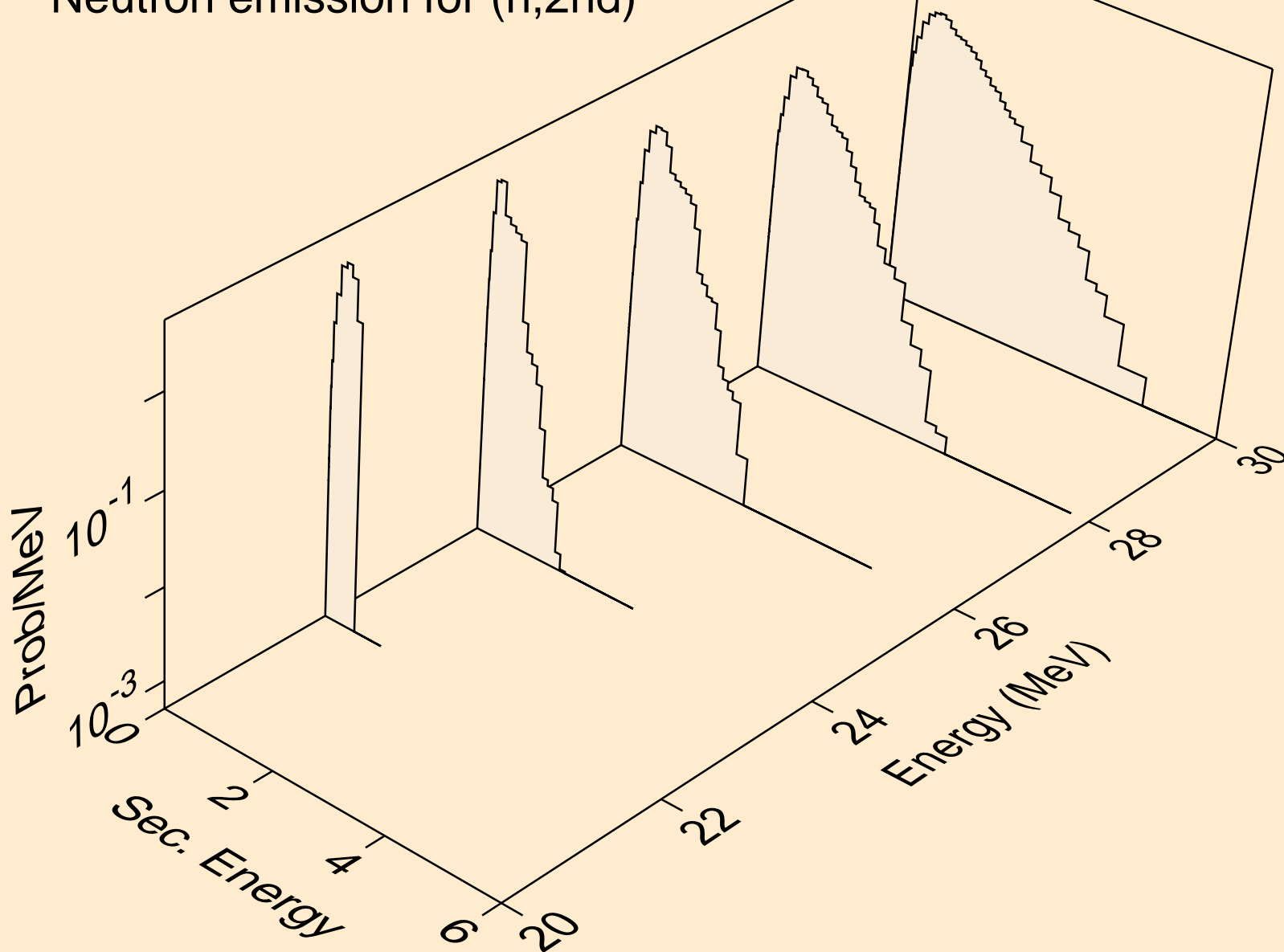
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*18)



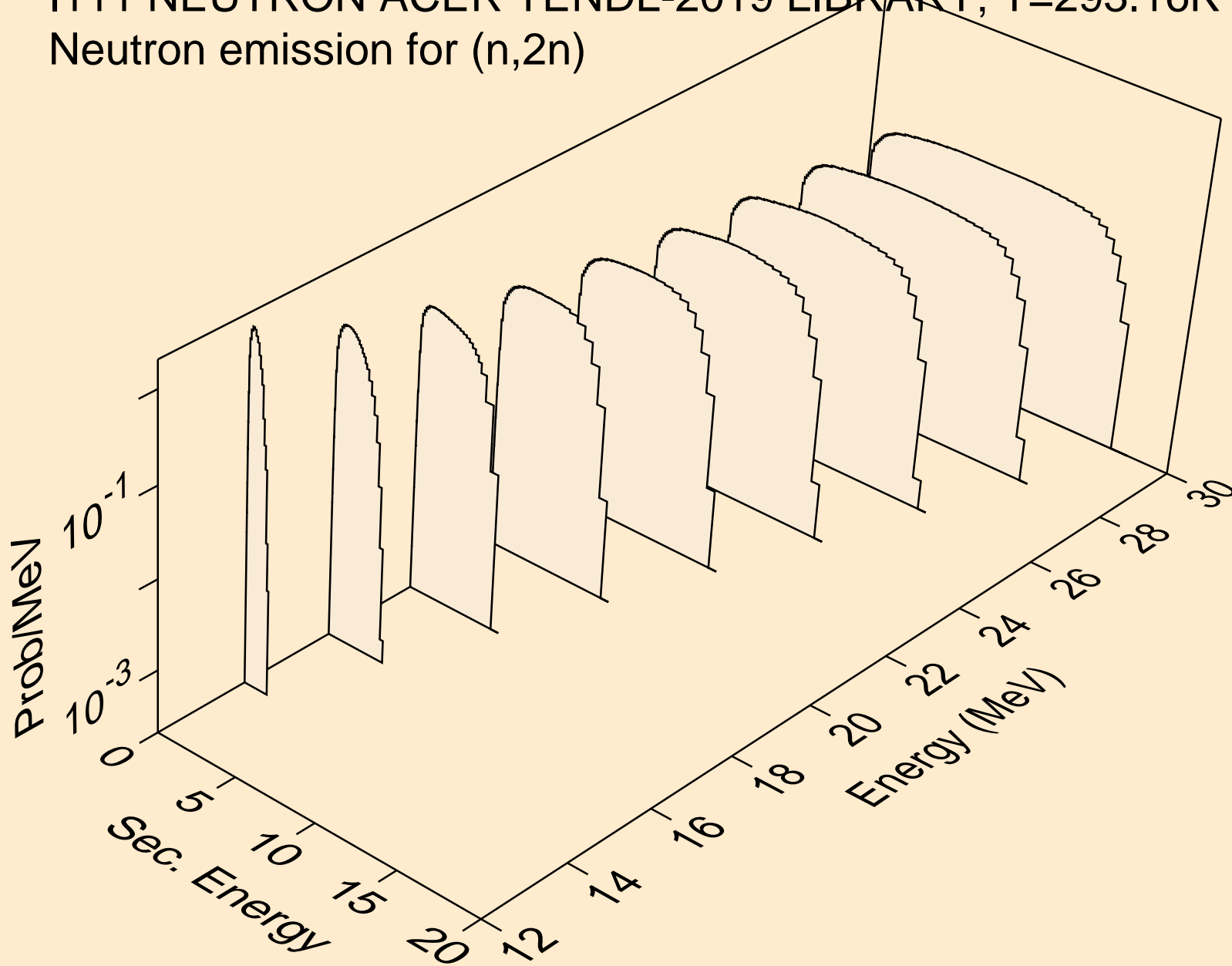
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,x)



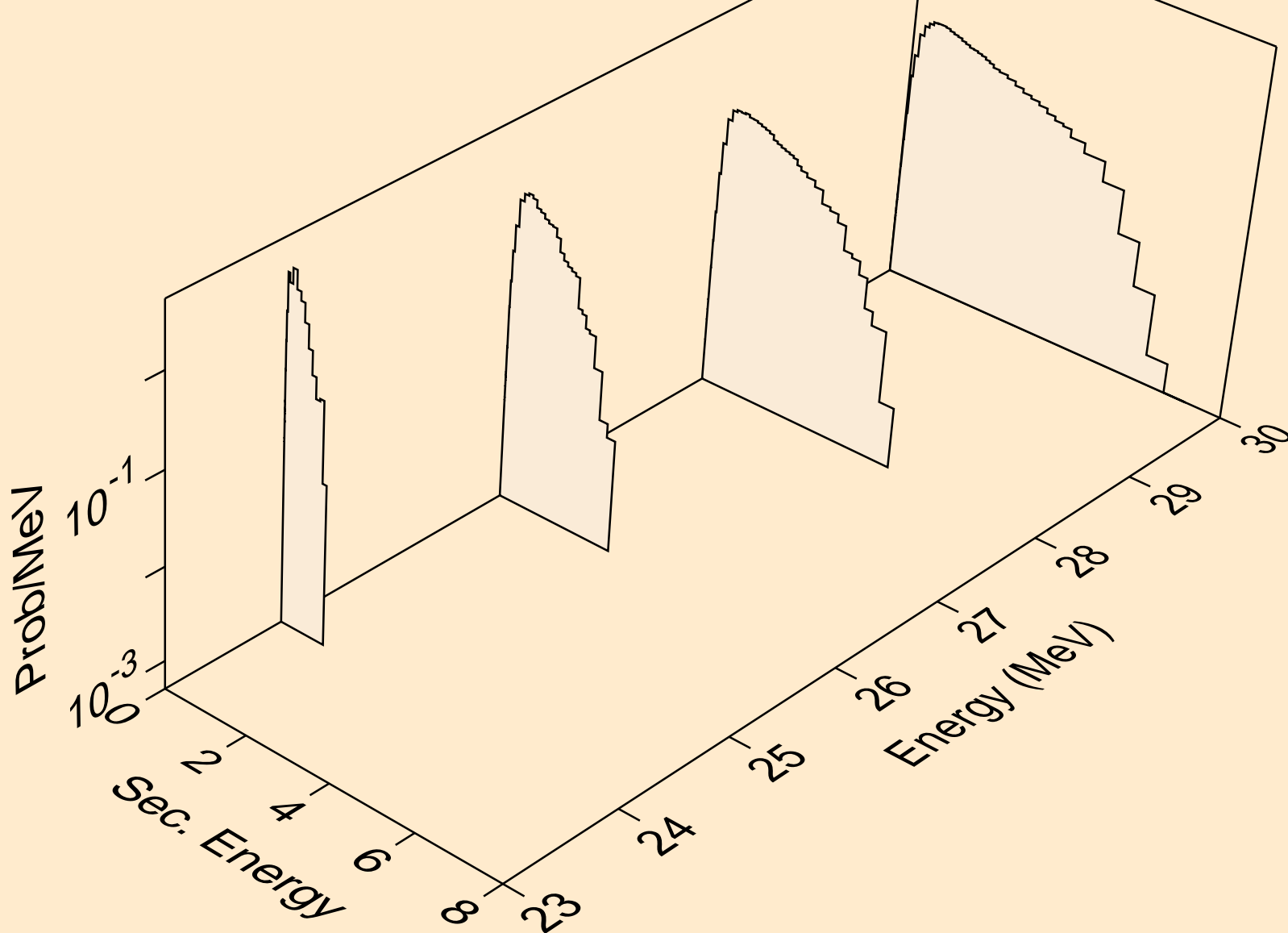
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2nd)



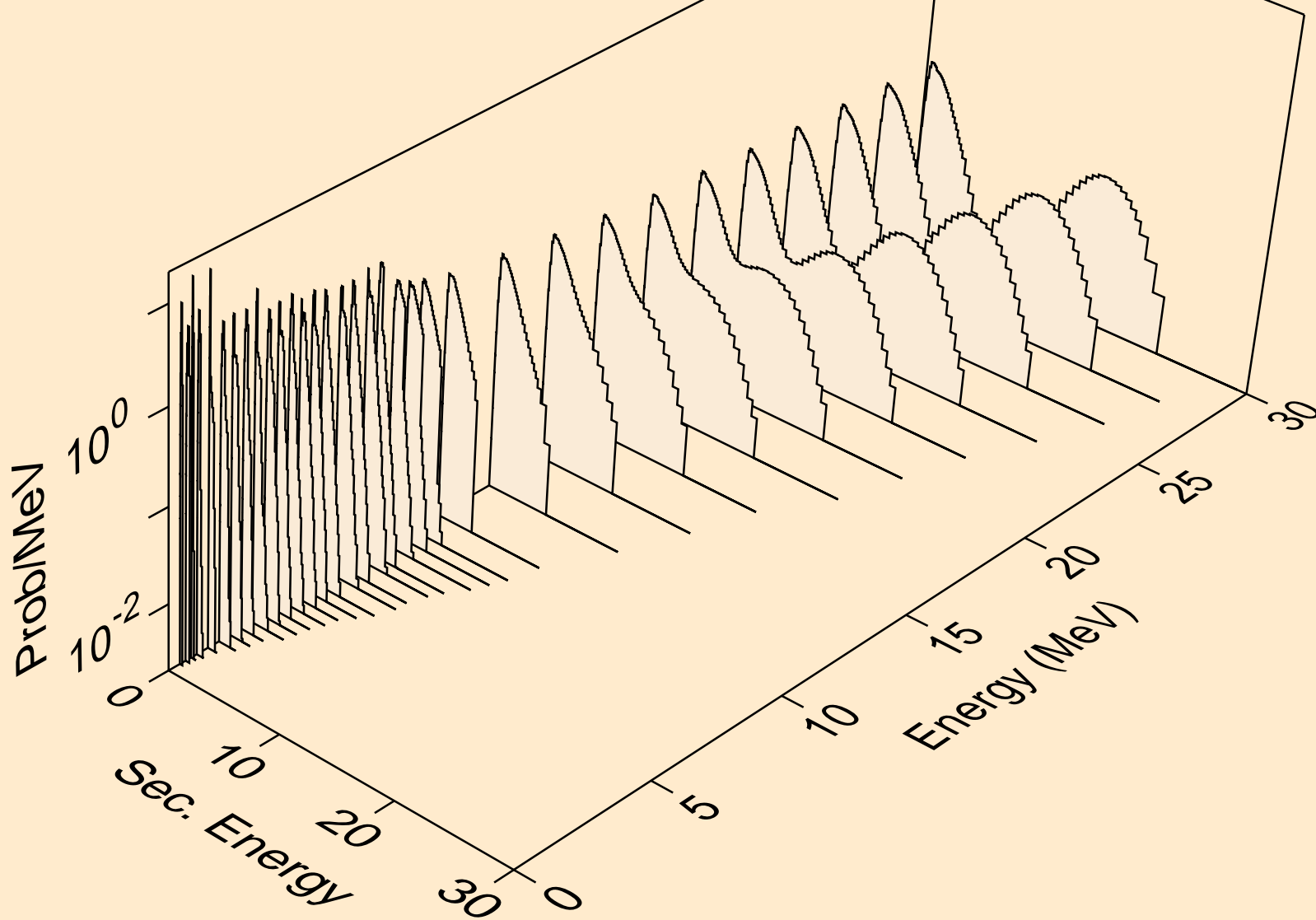
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)



I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)

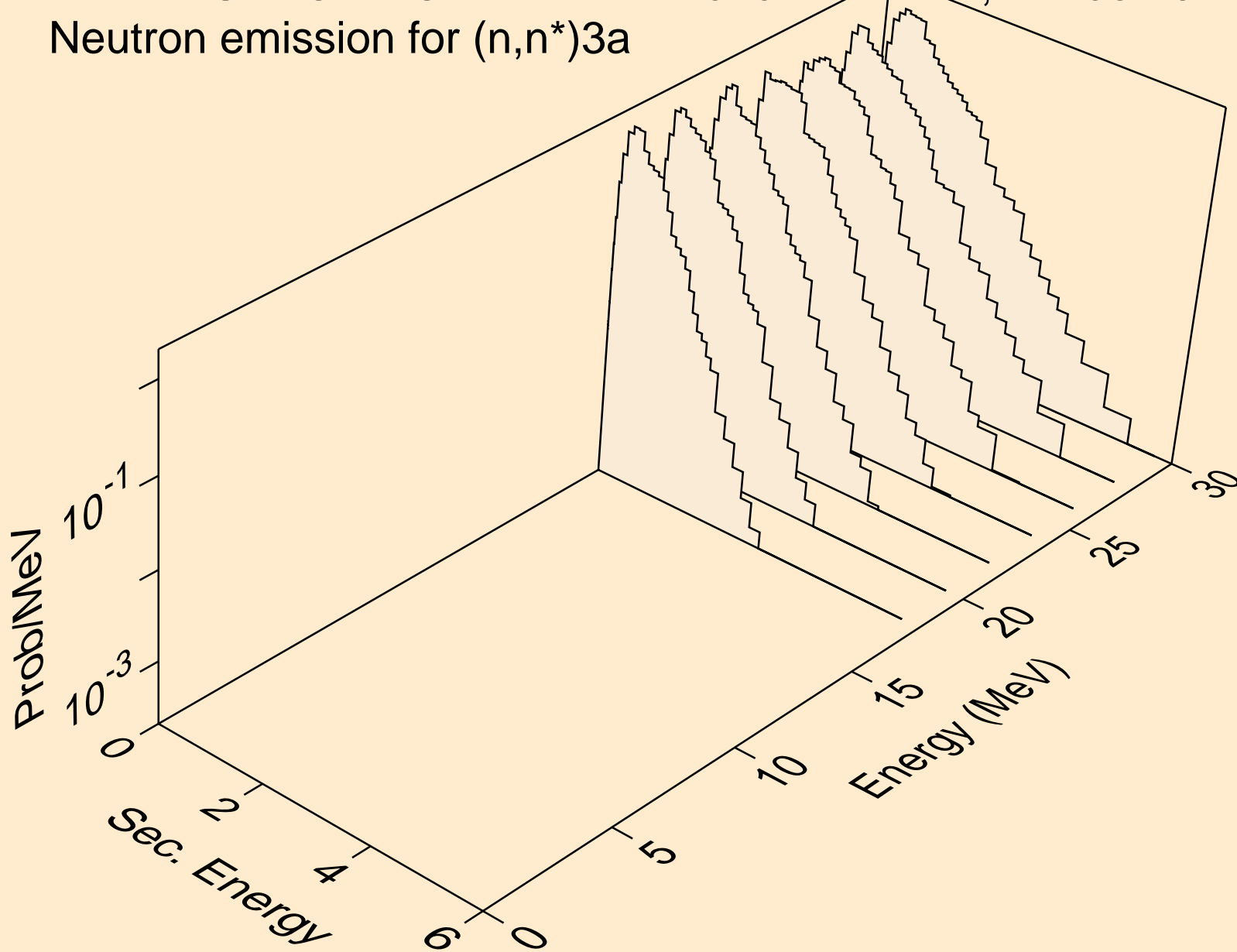


I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)a

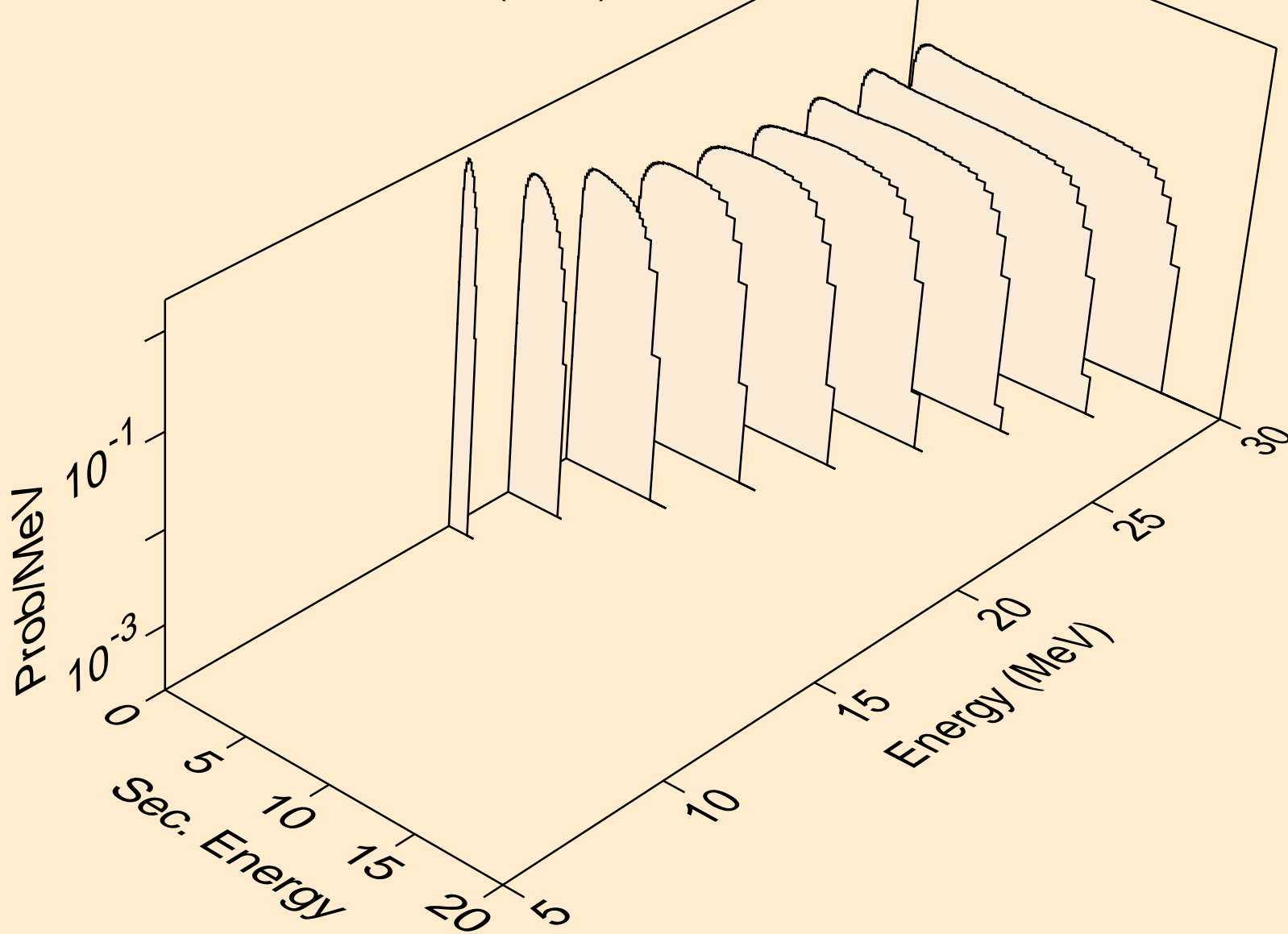




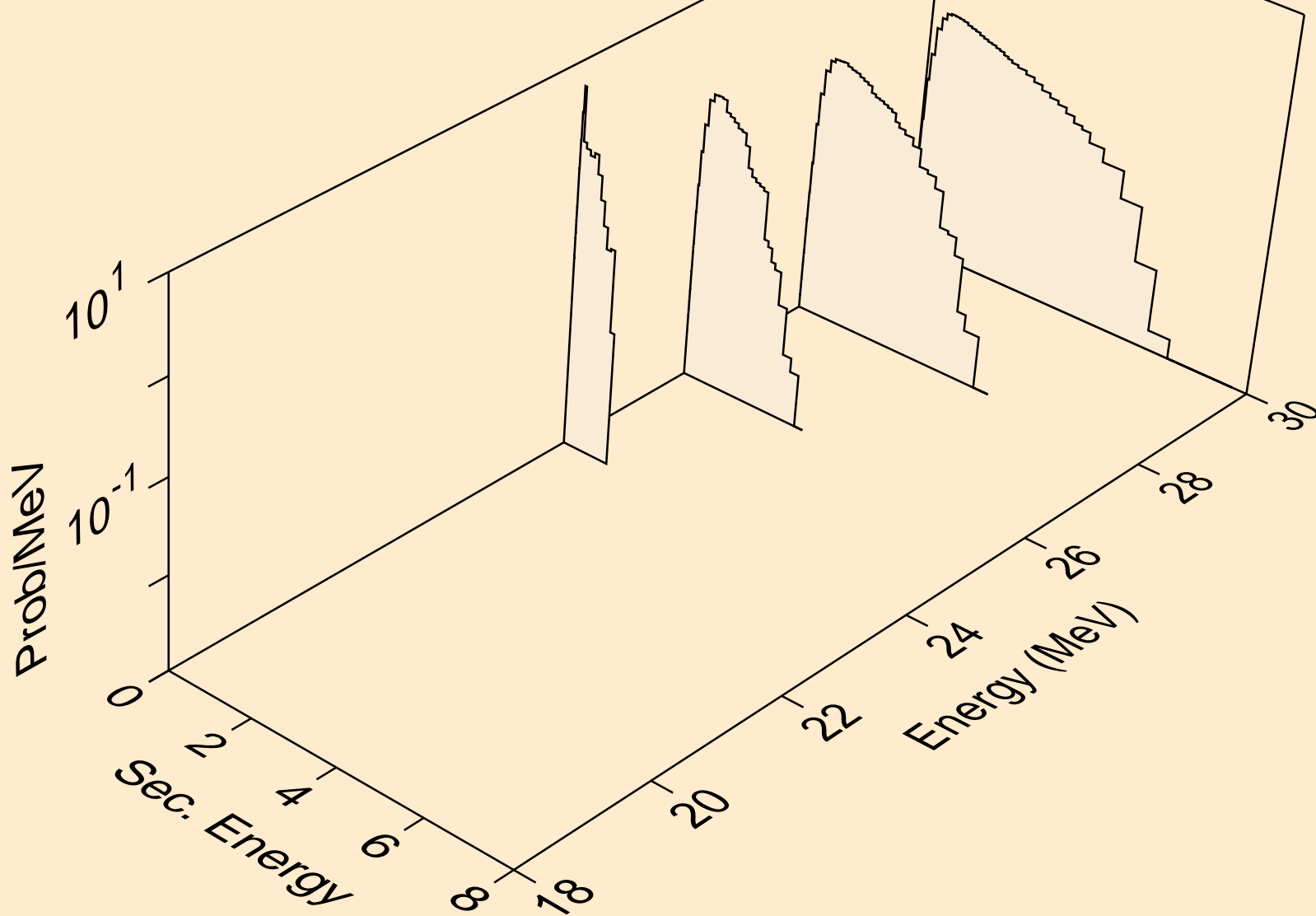
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)3a



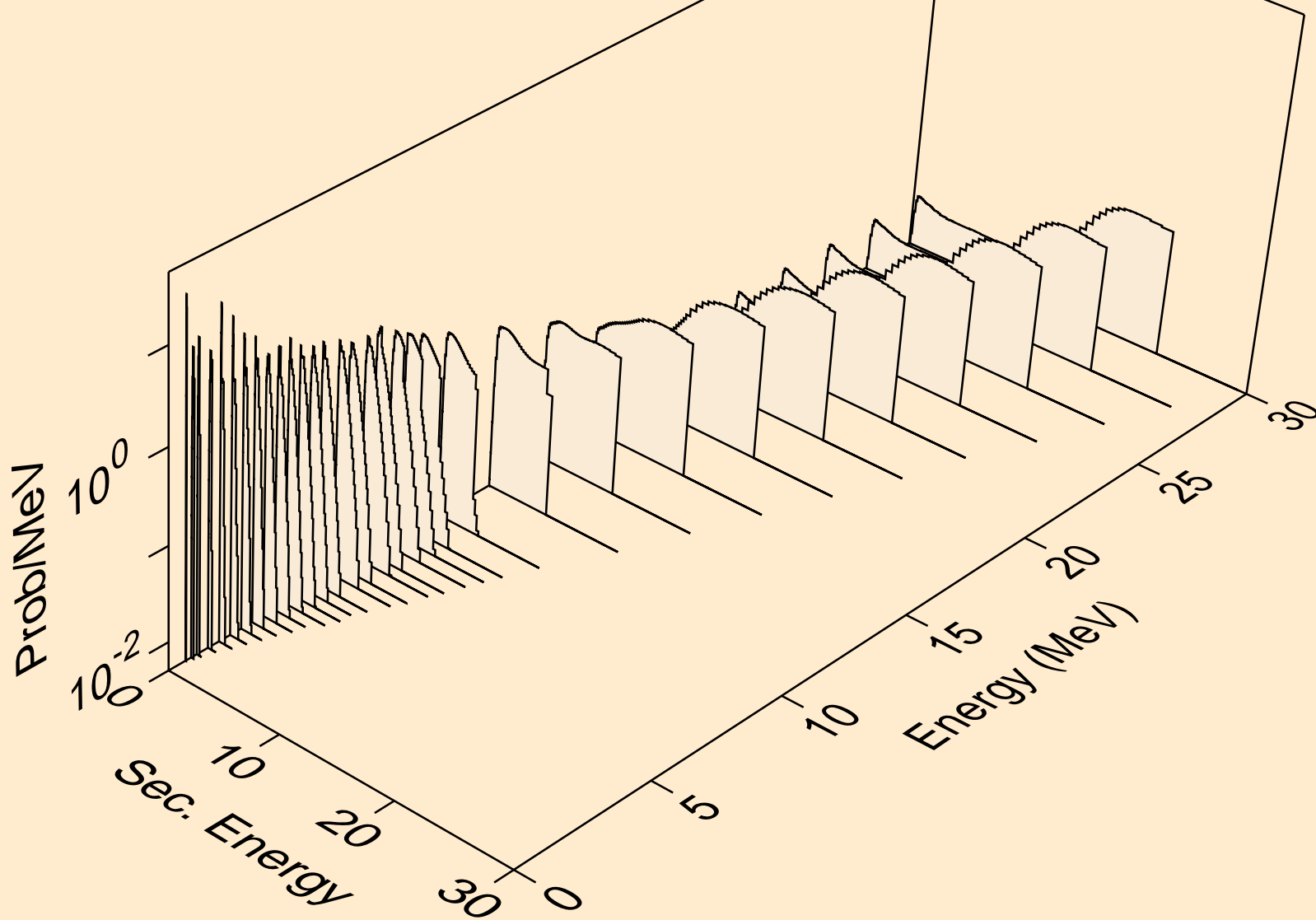
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)a



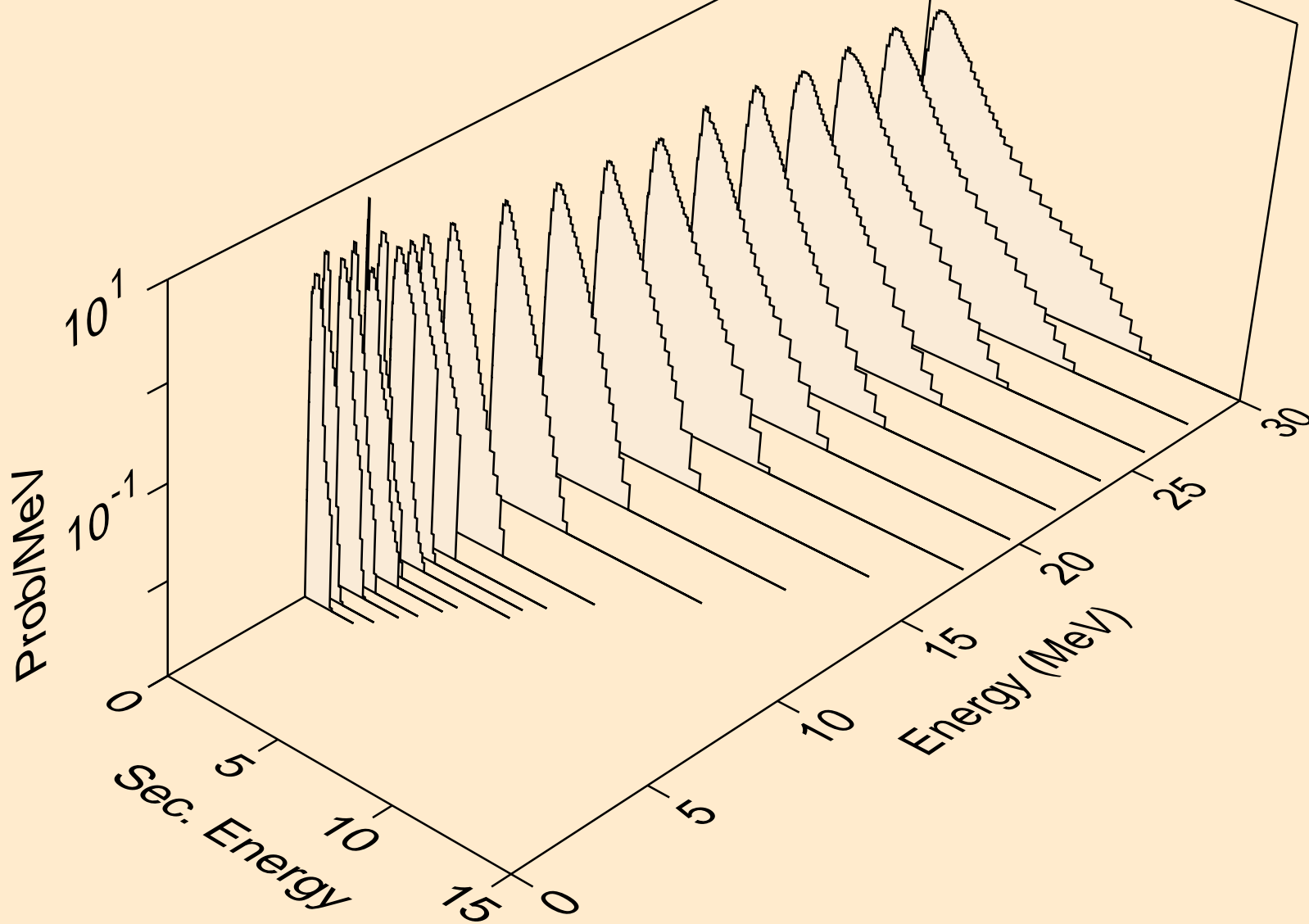
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)a



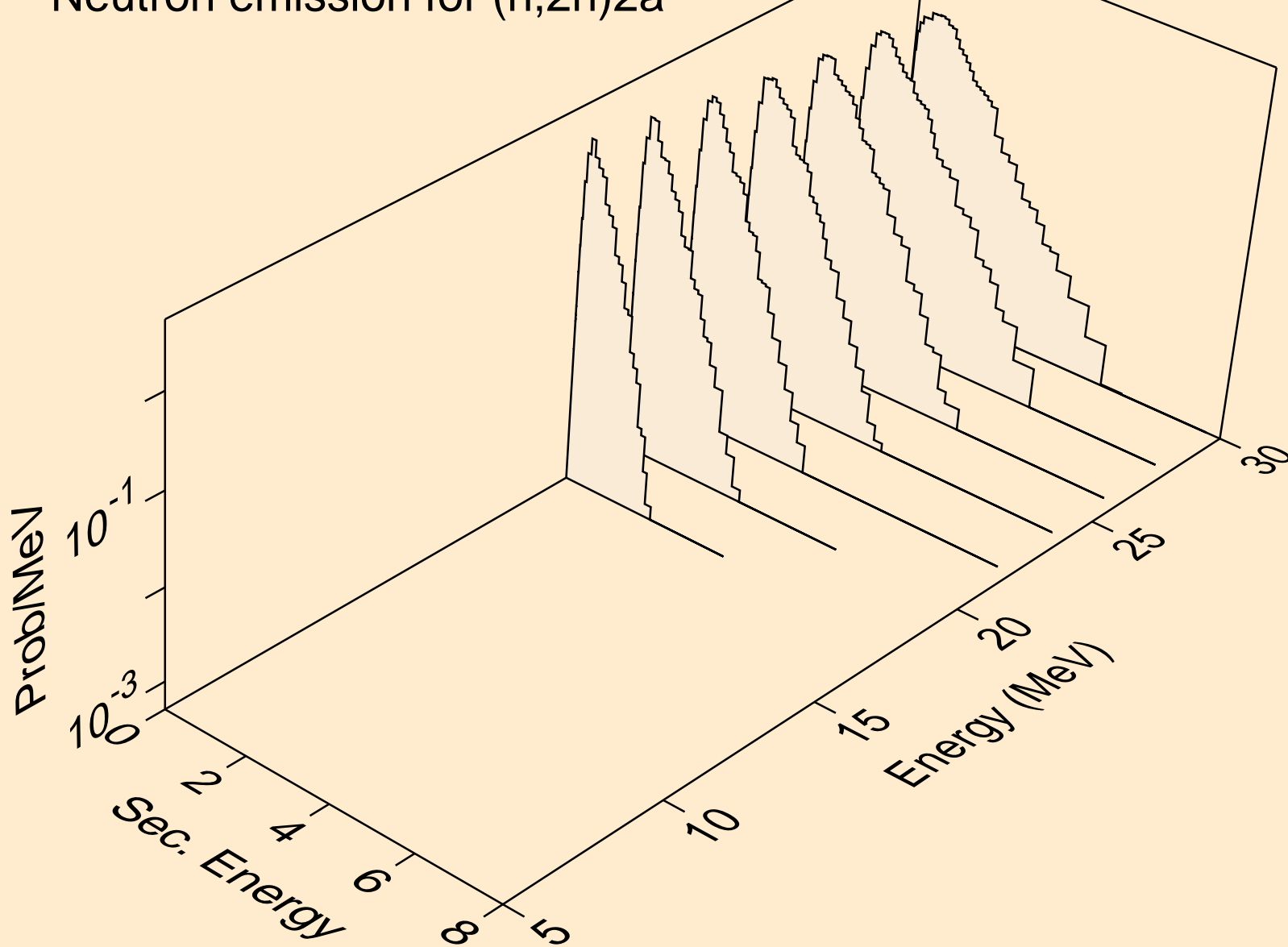
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)p



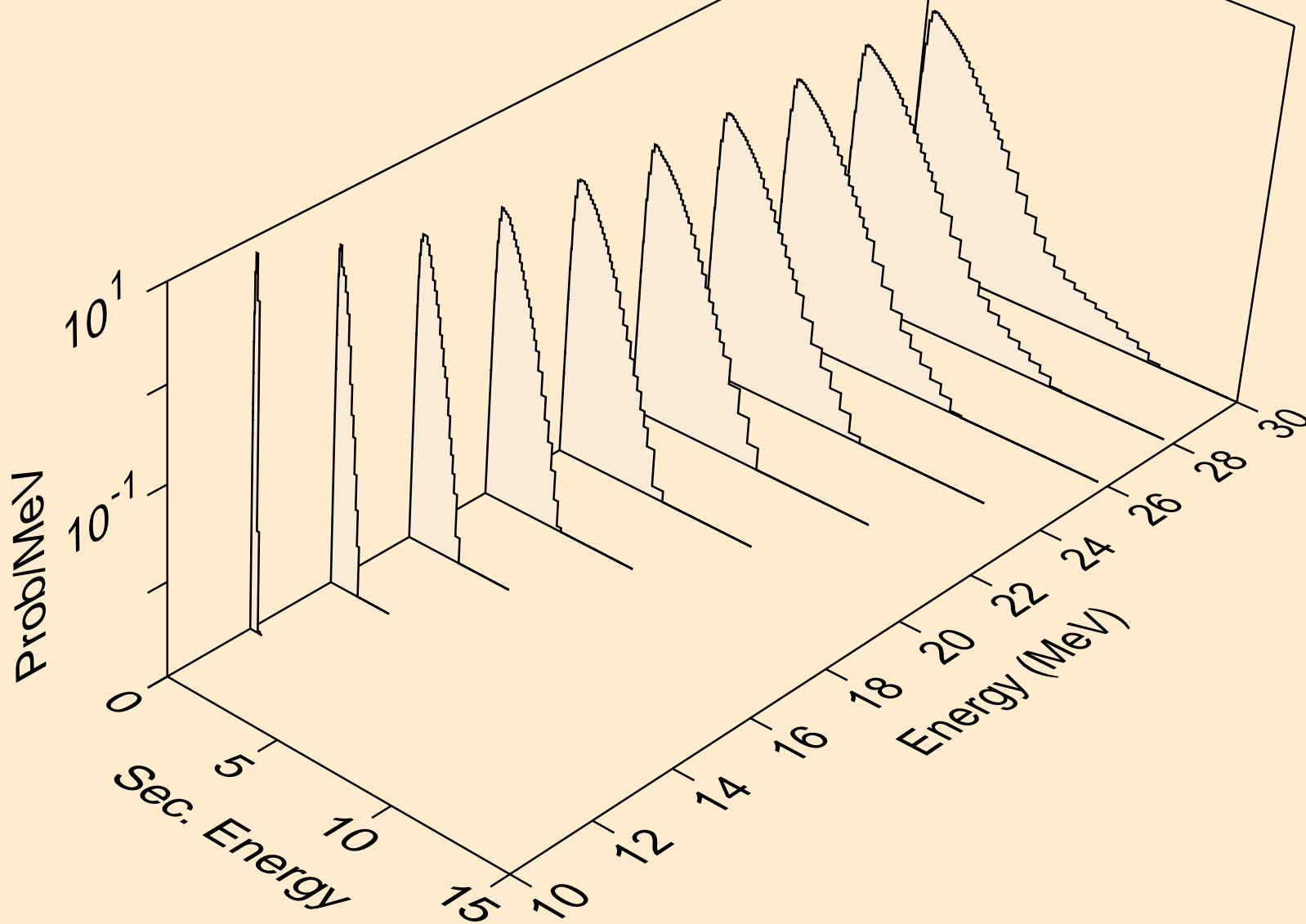
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)2a



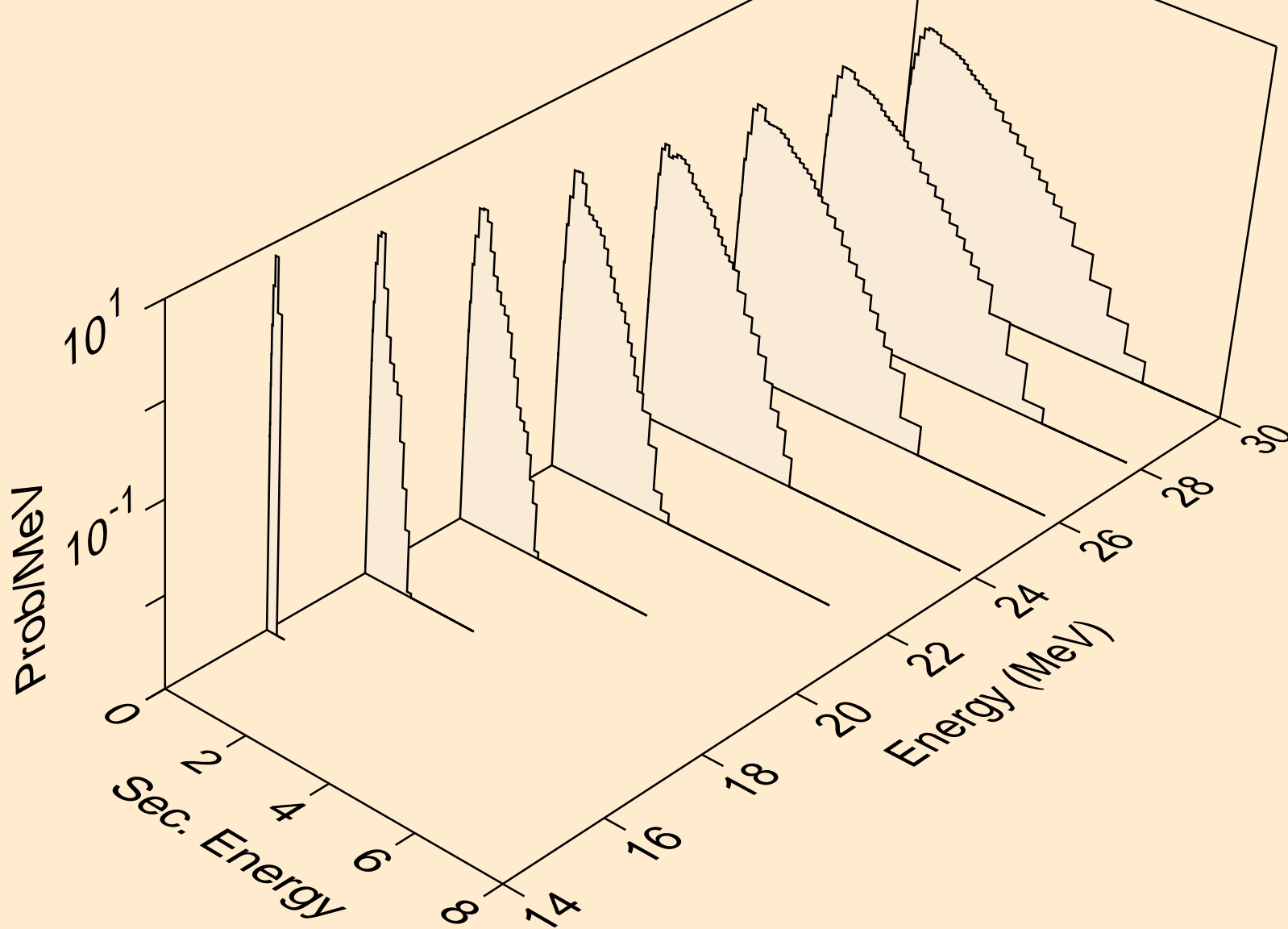
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)2a



I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)d

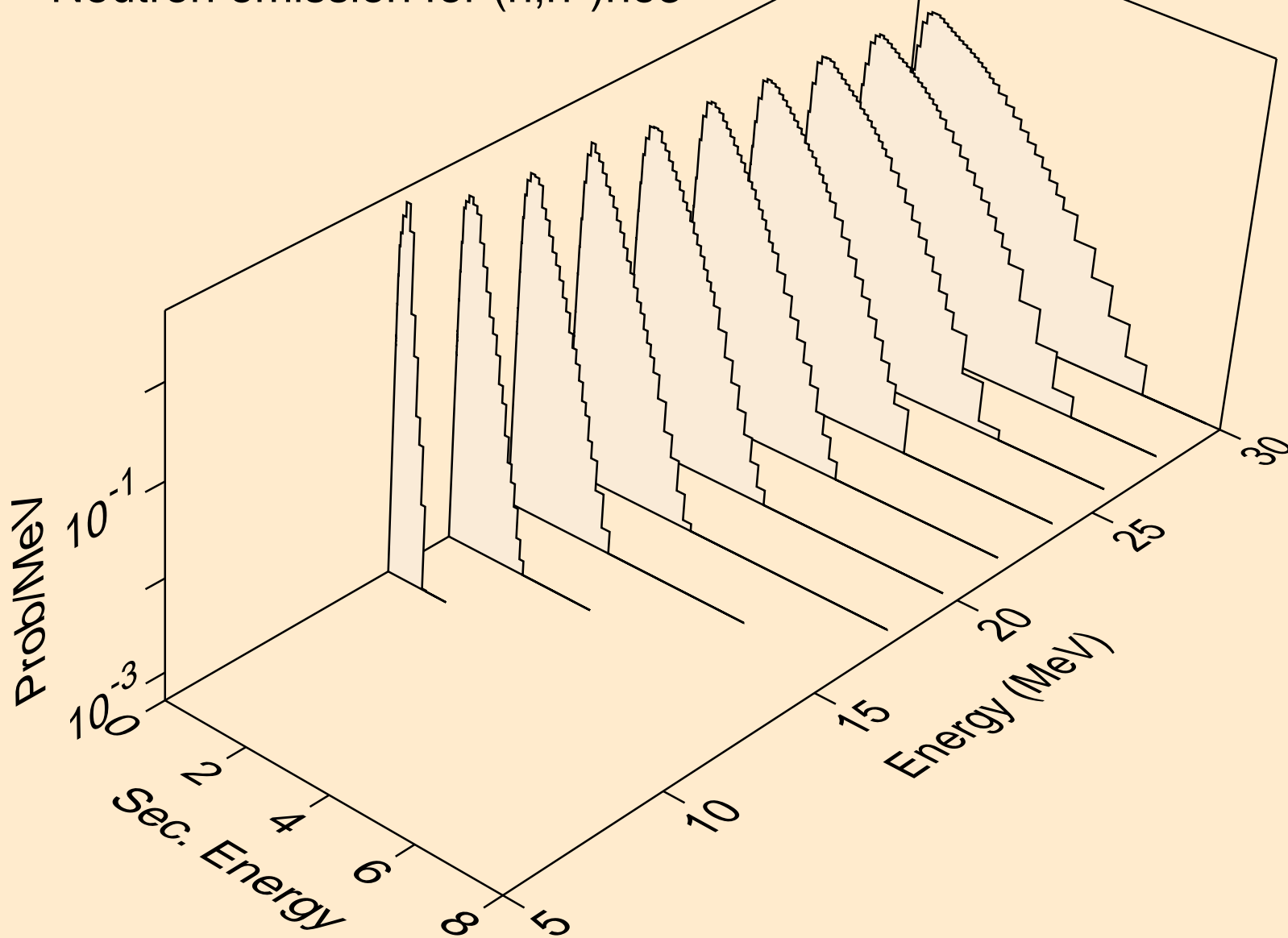


I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)t

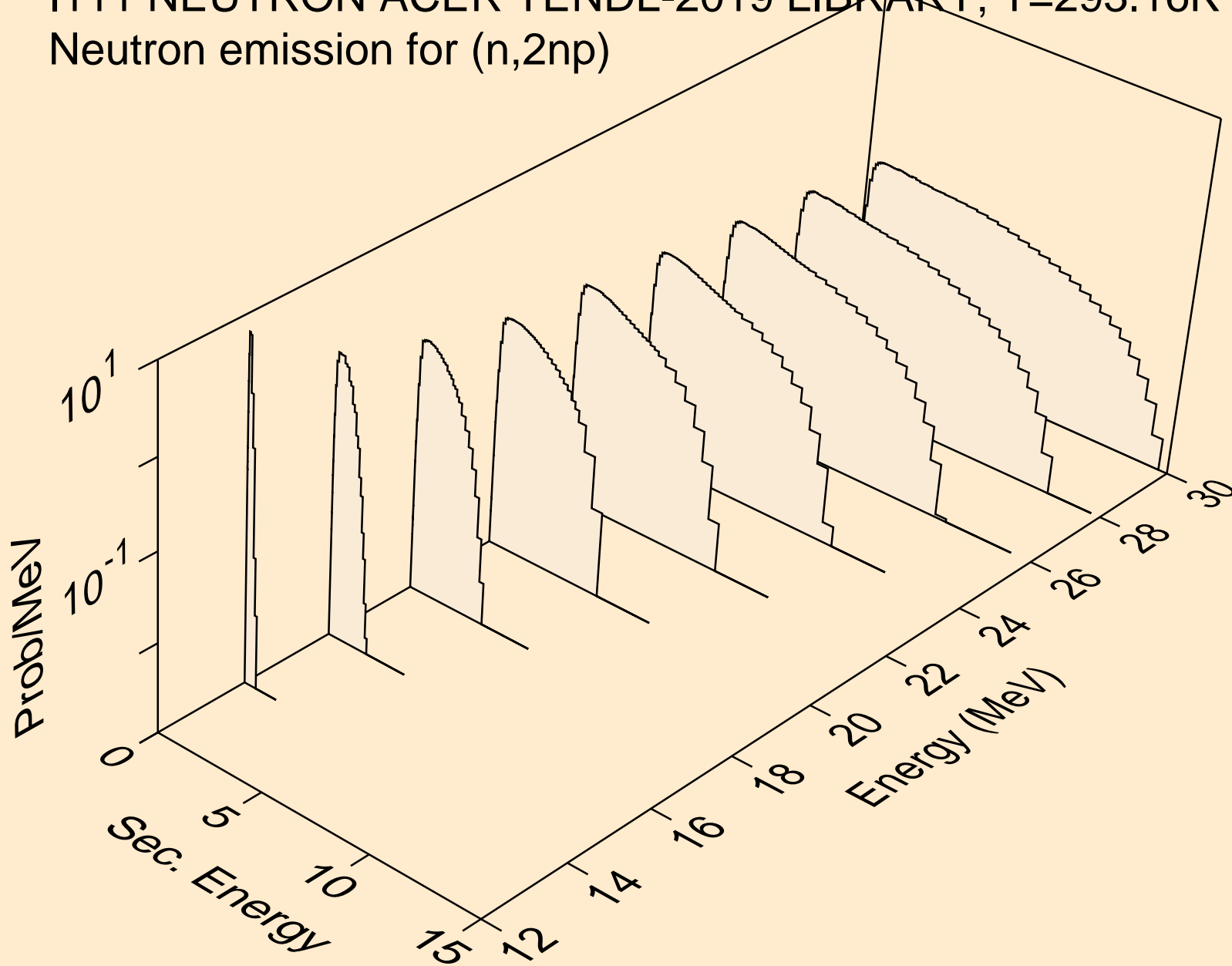




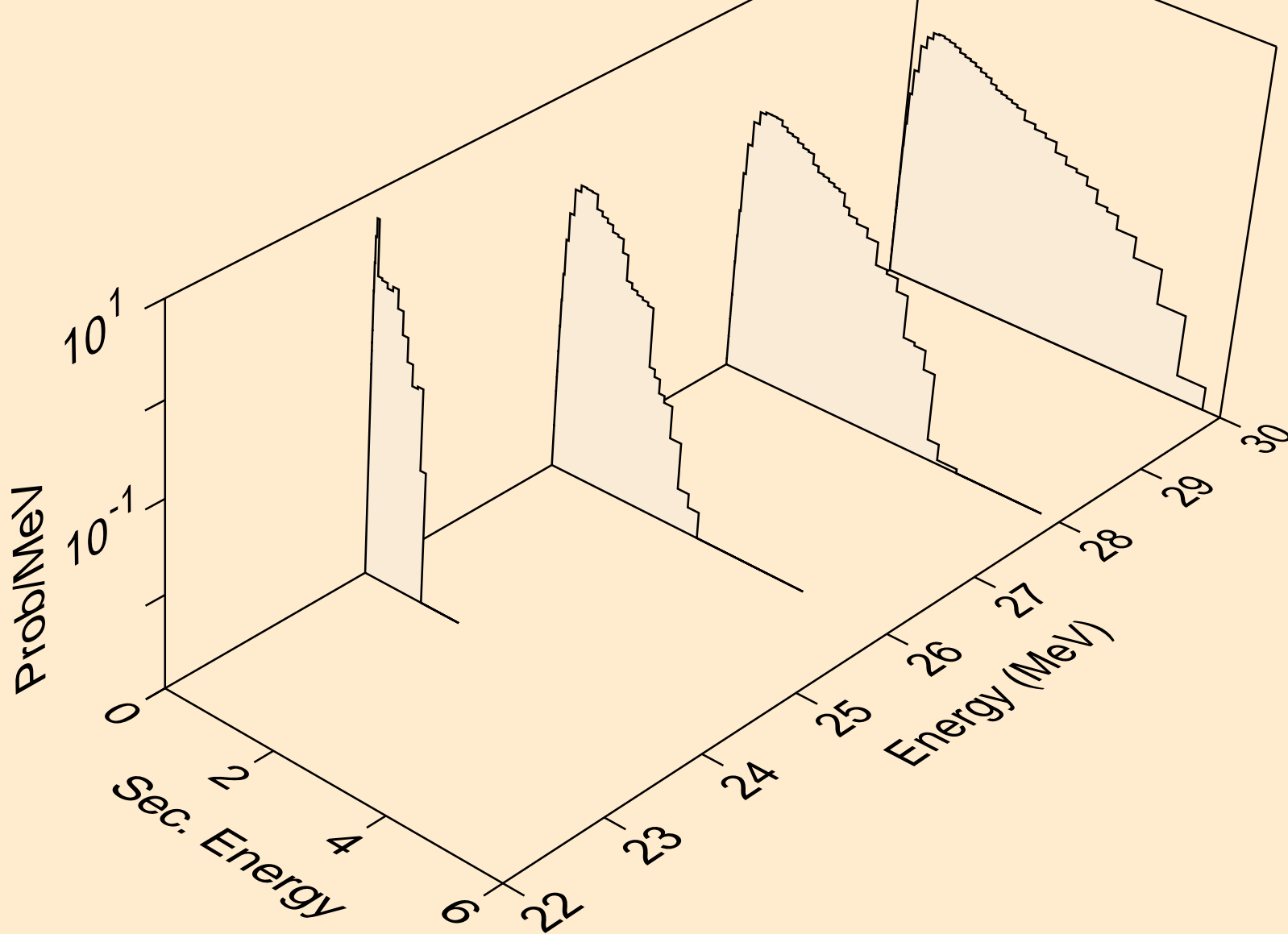
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)he3



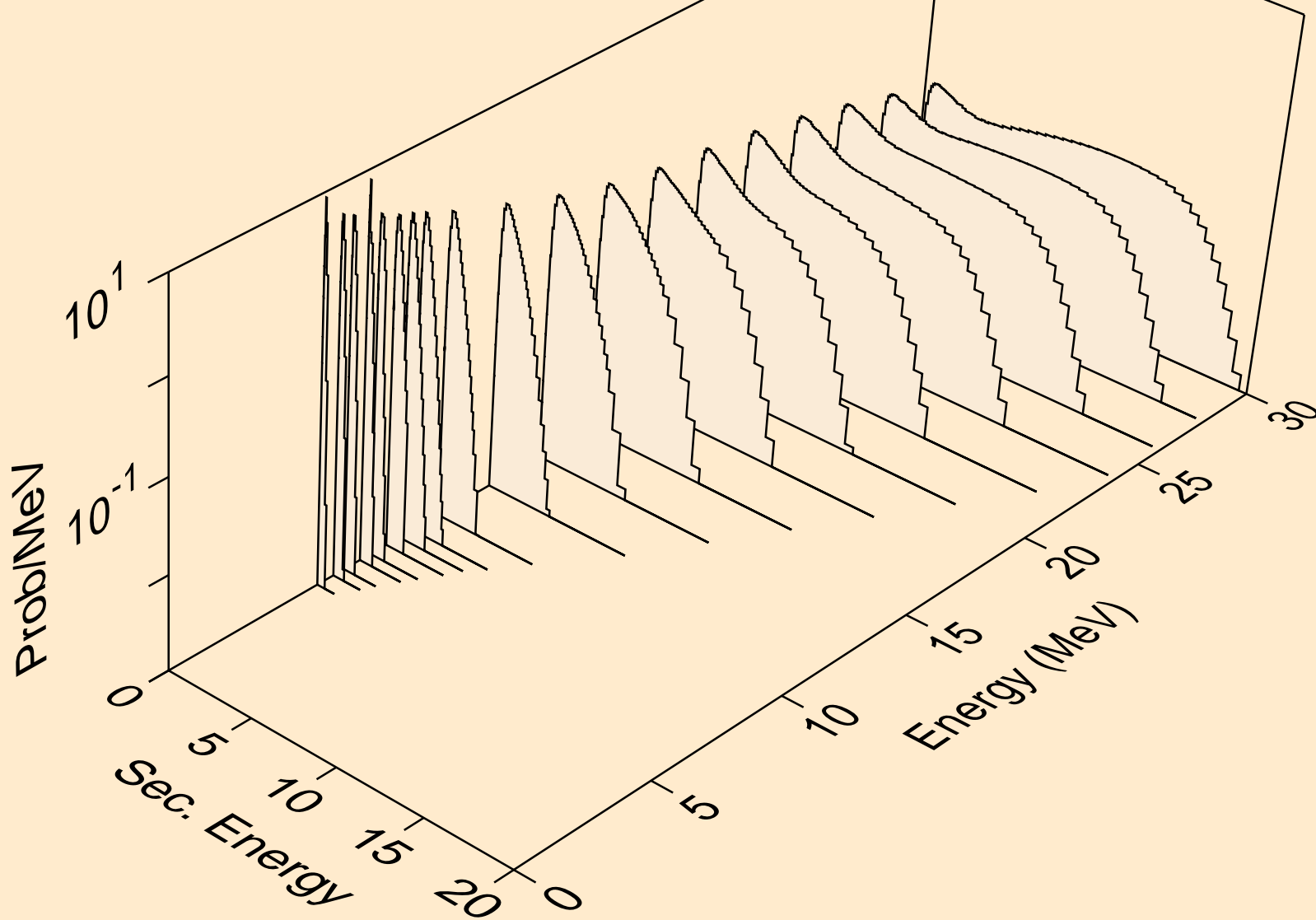
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2np)



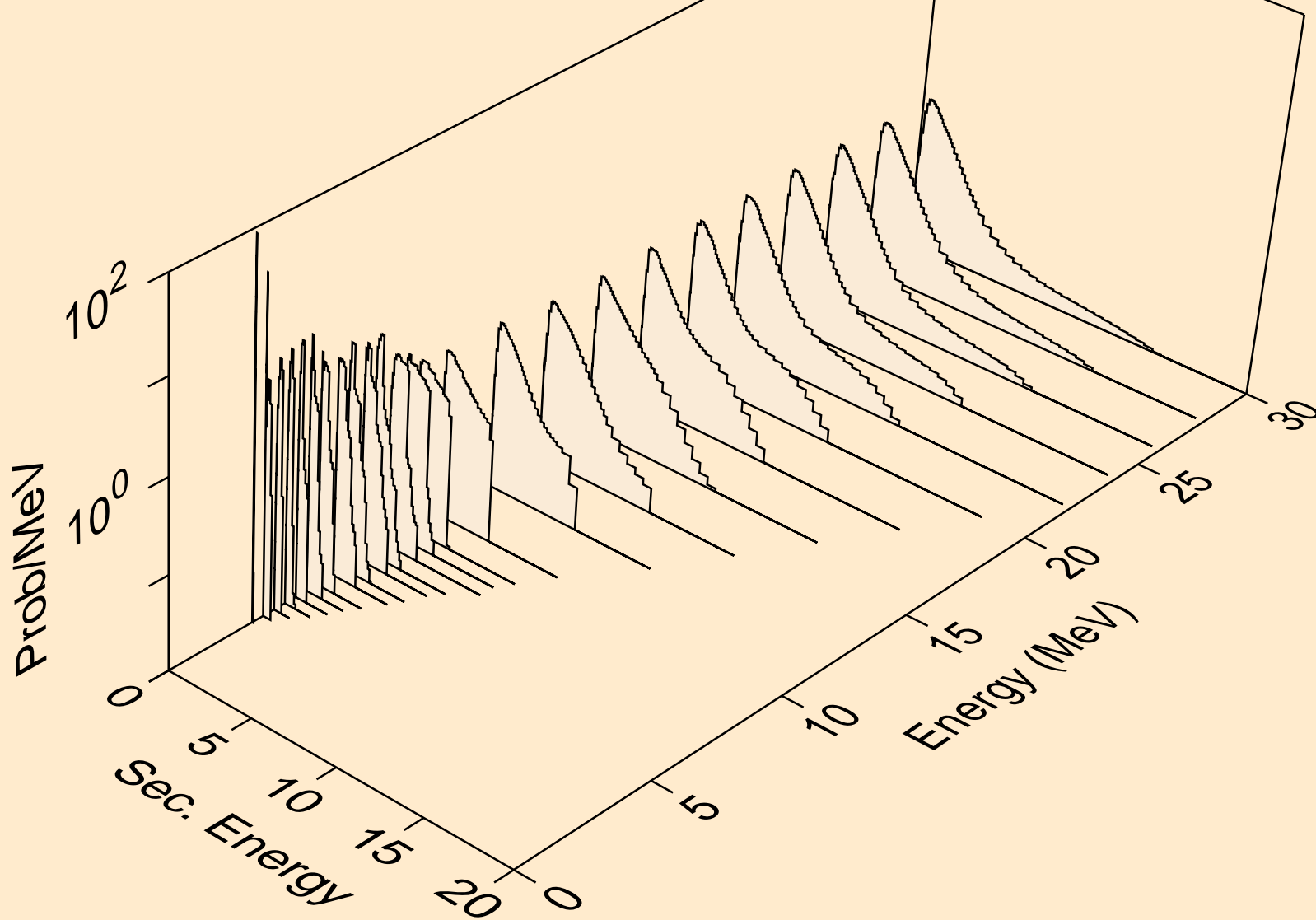
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3np)



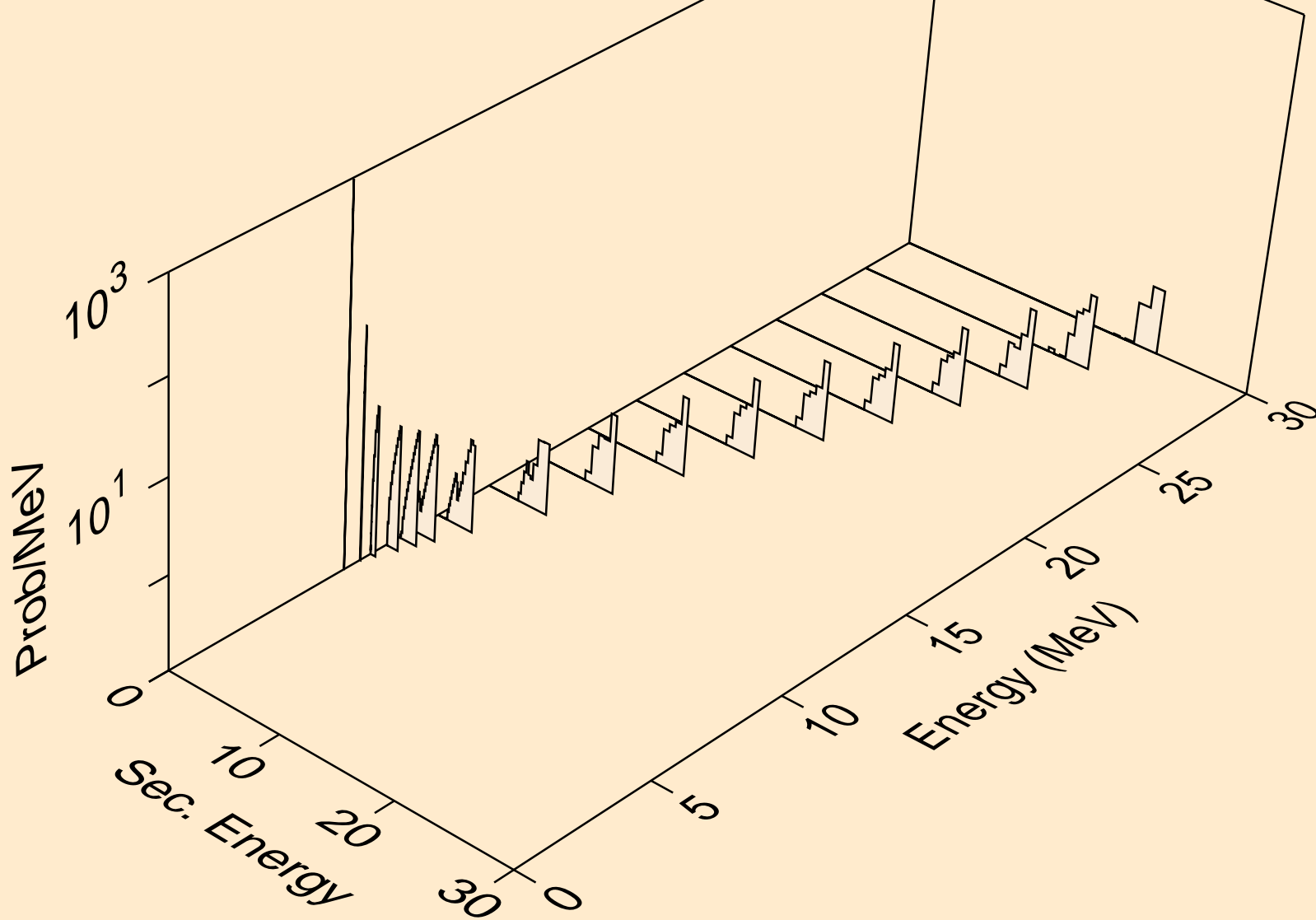
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2np)



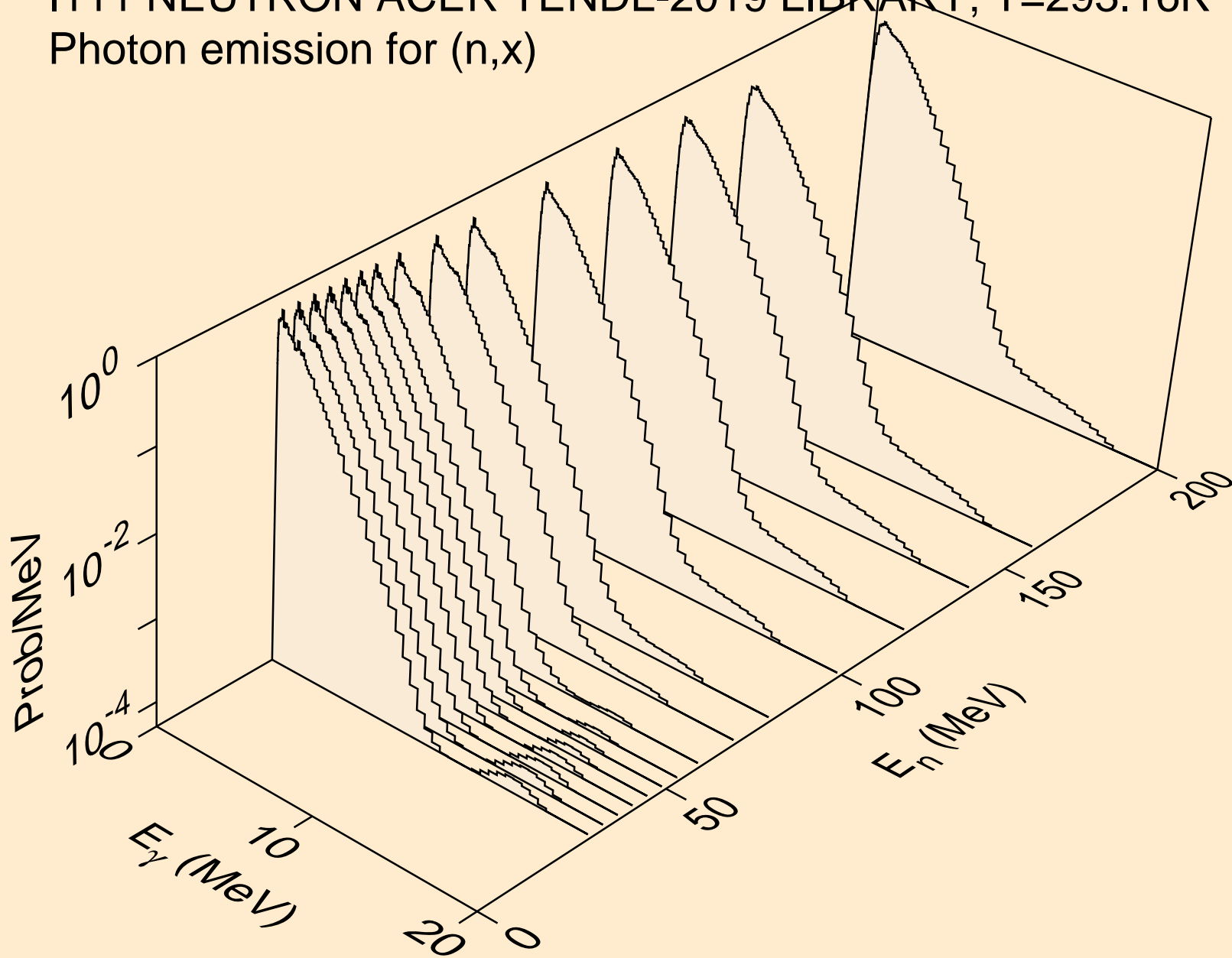
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,npa)



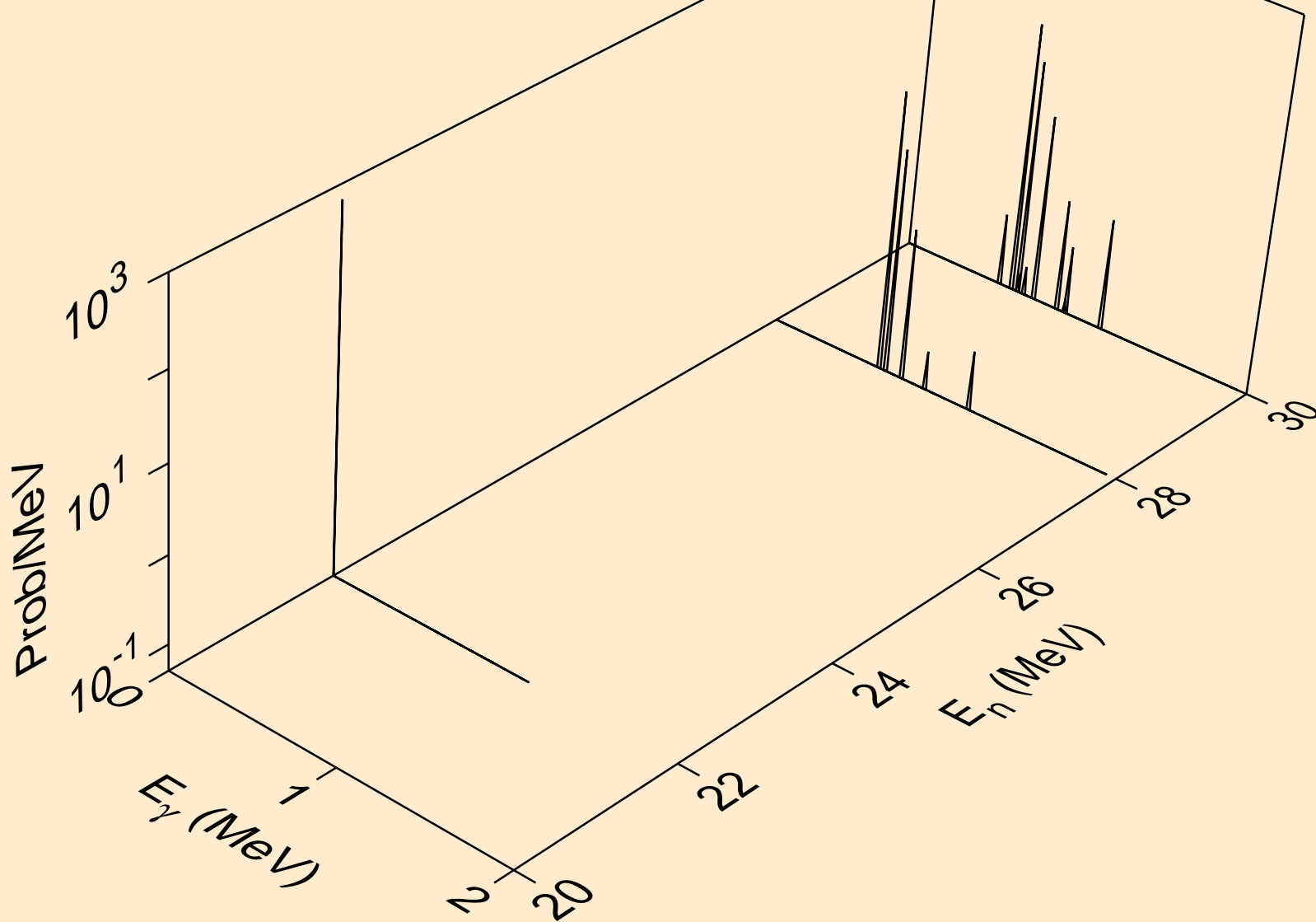
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*c)



I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,x)

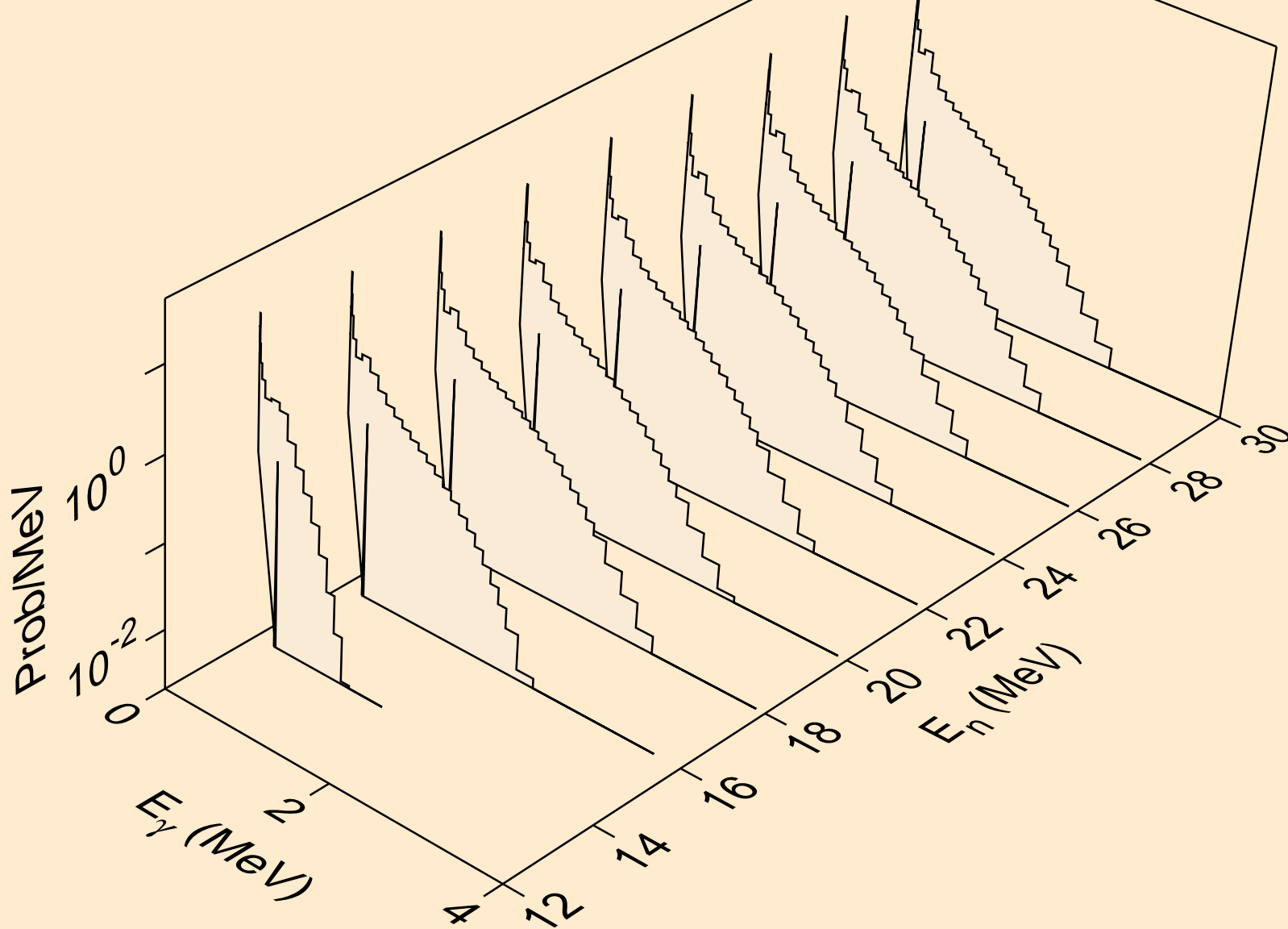


I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2nd)

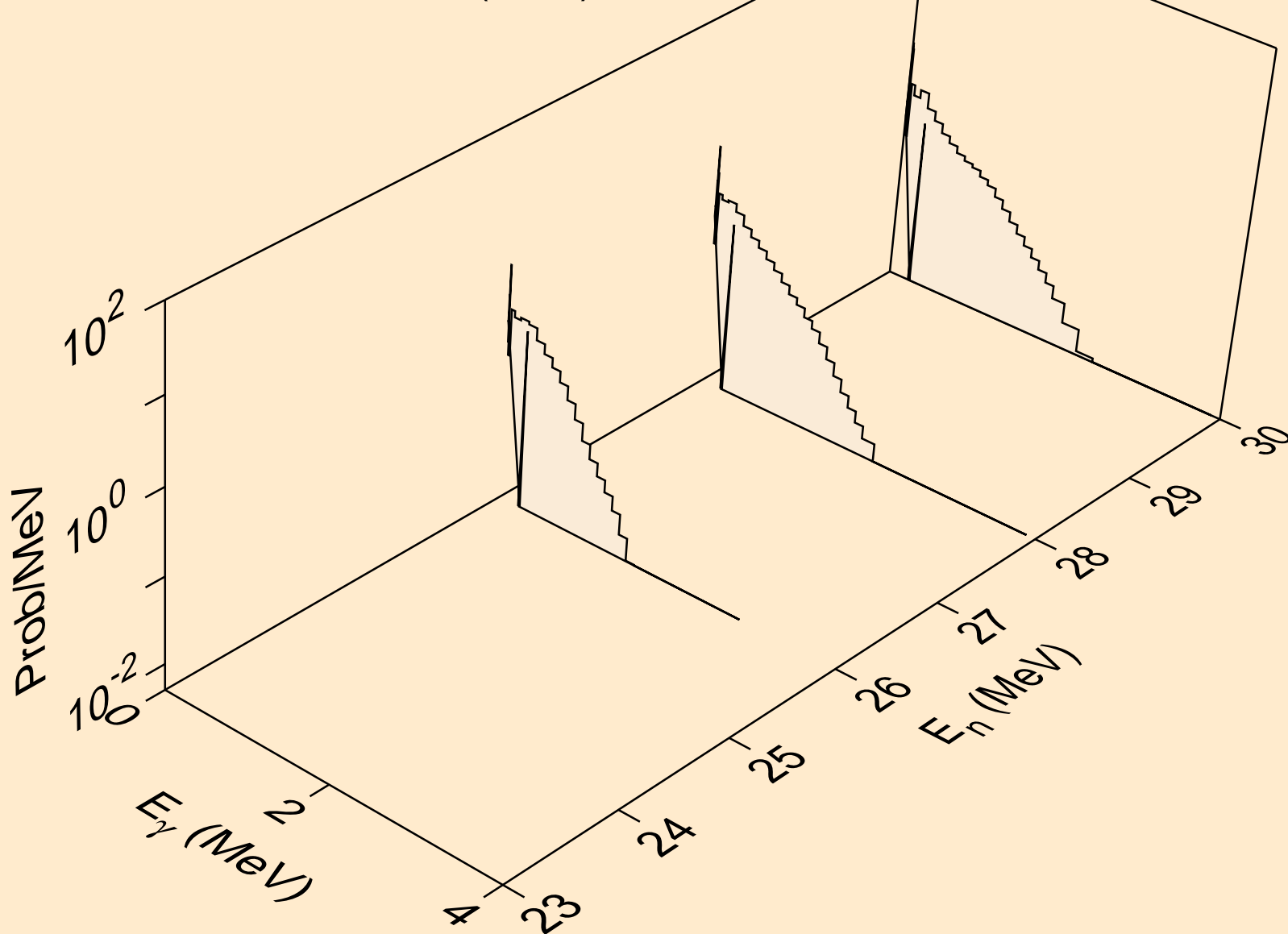




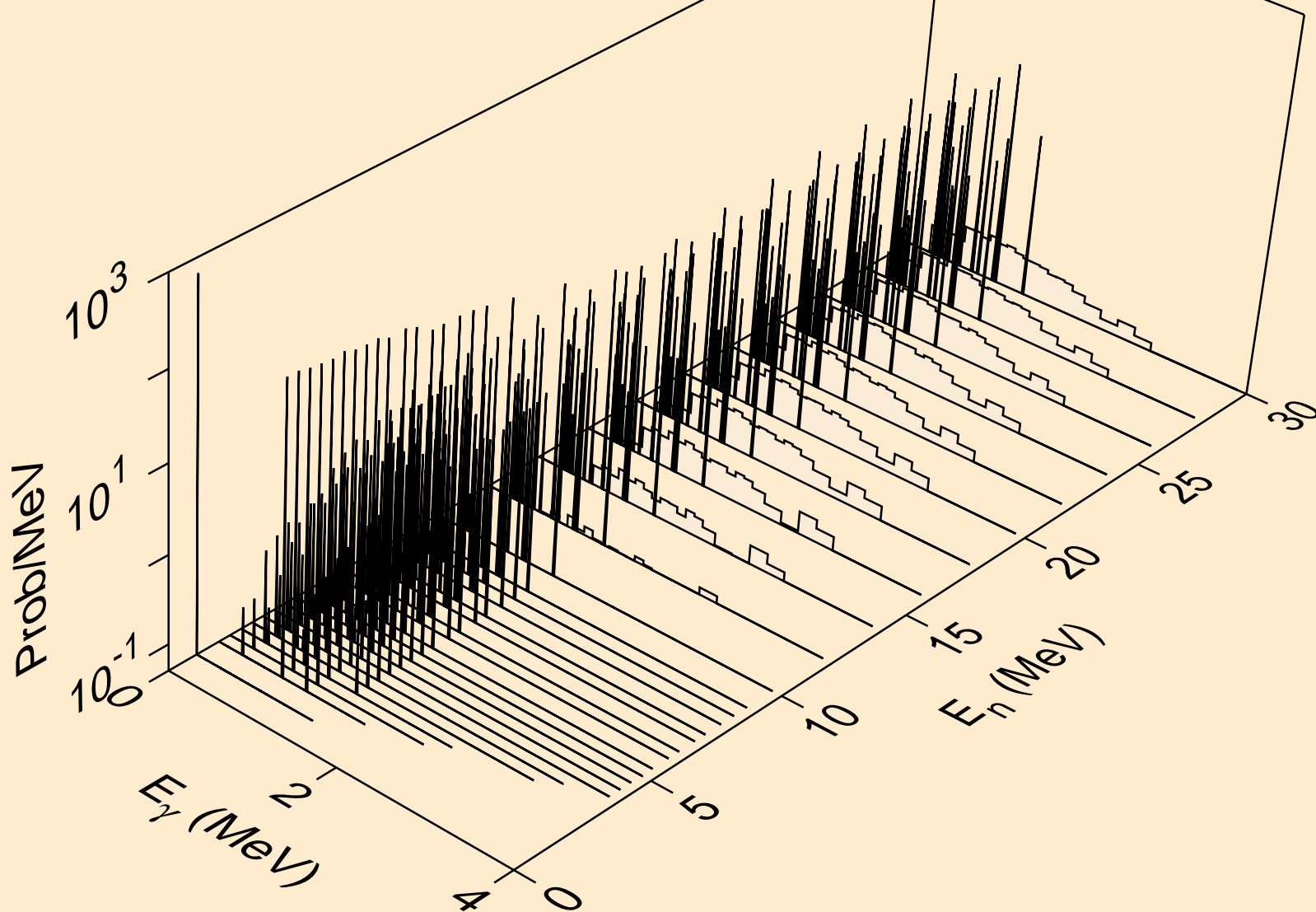
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n)



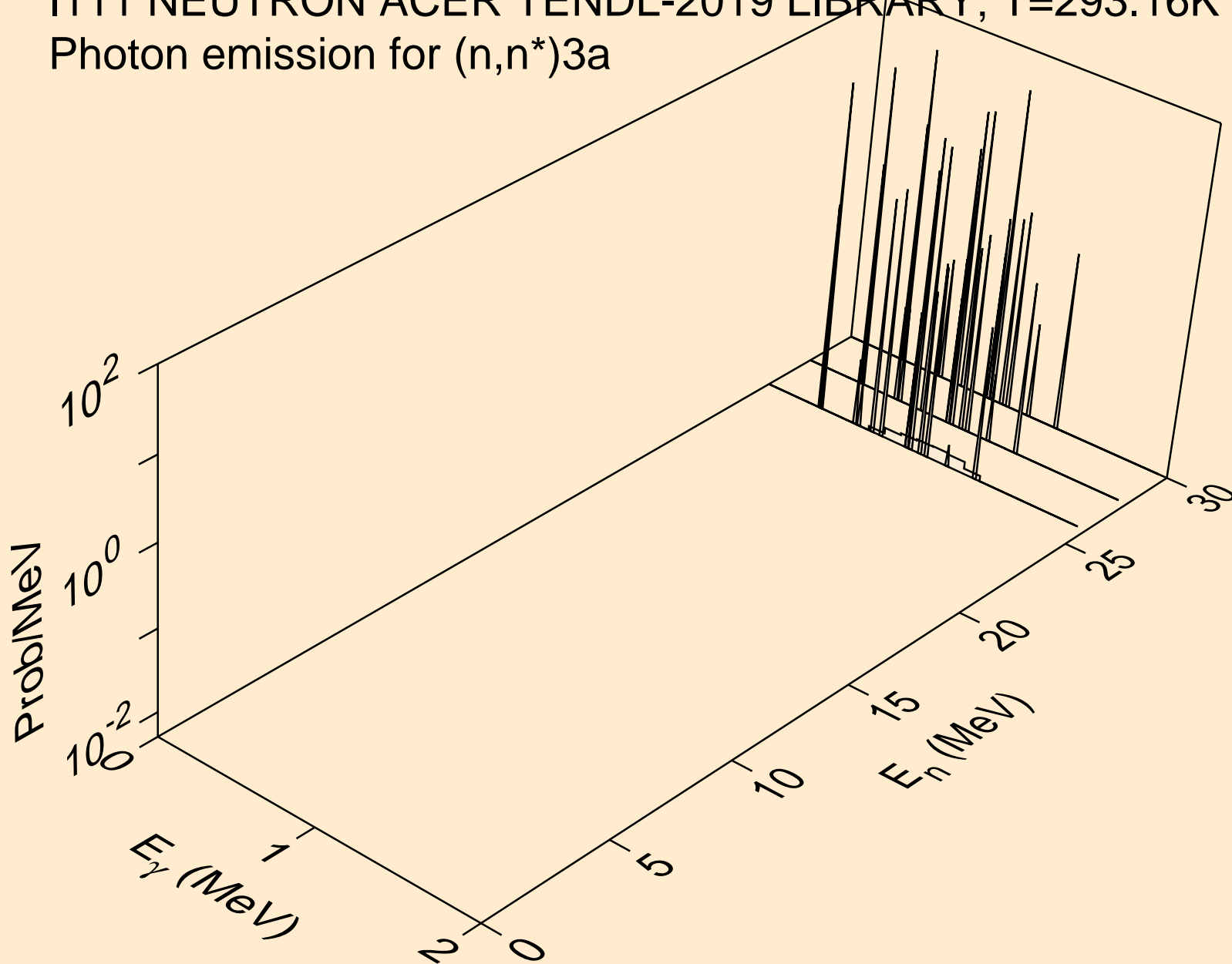
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3n)



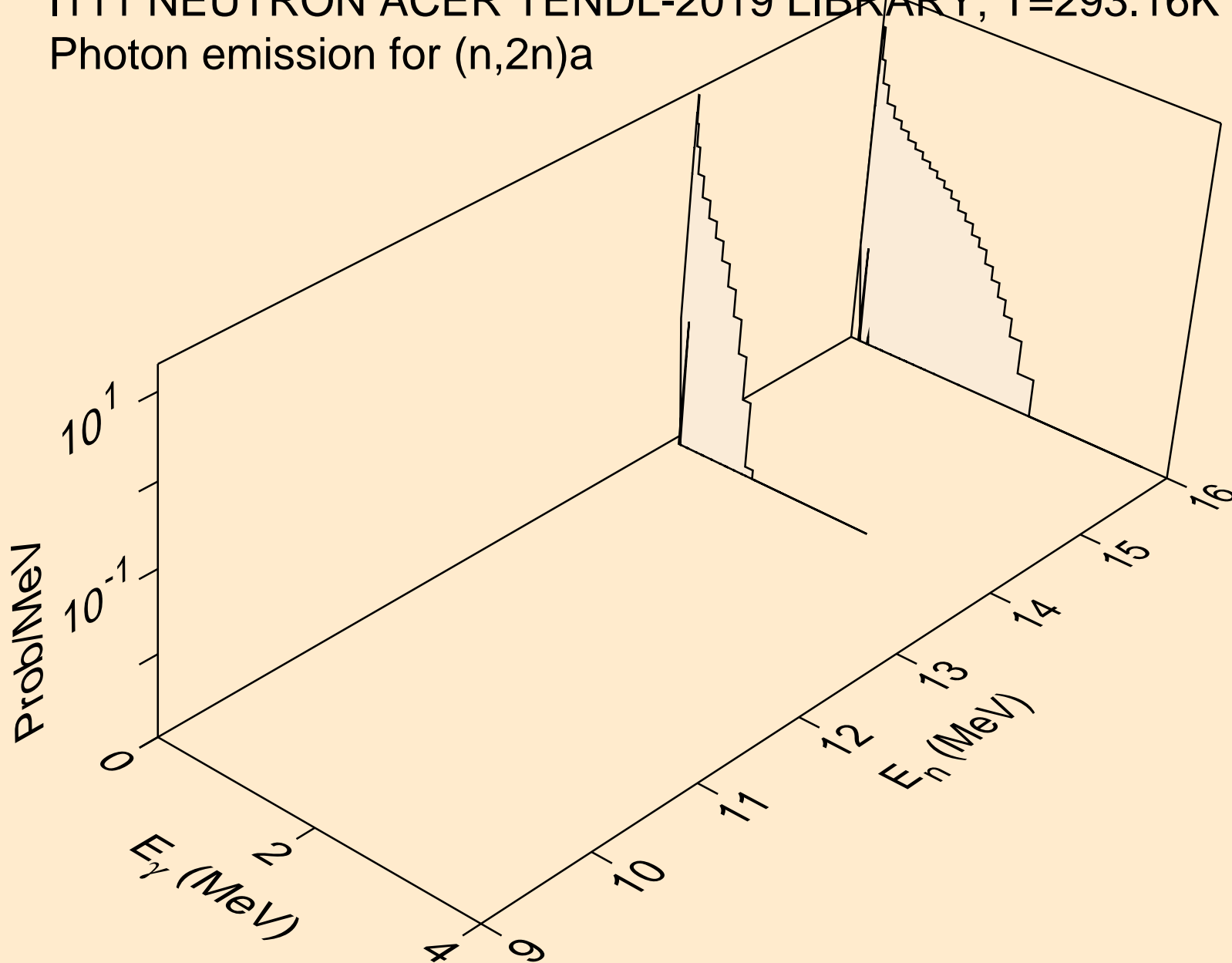
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)a



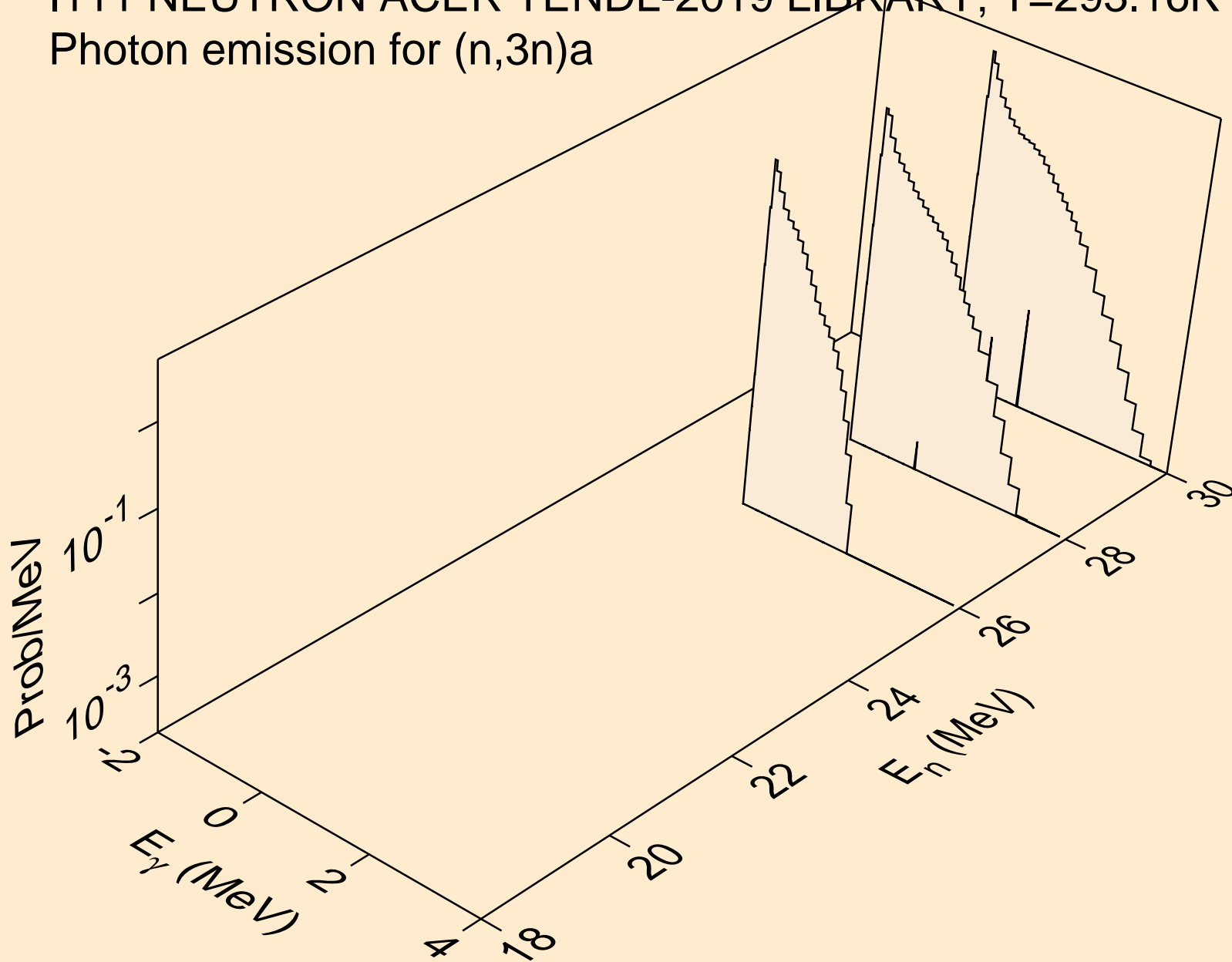
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)3a



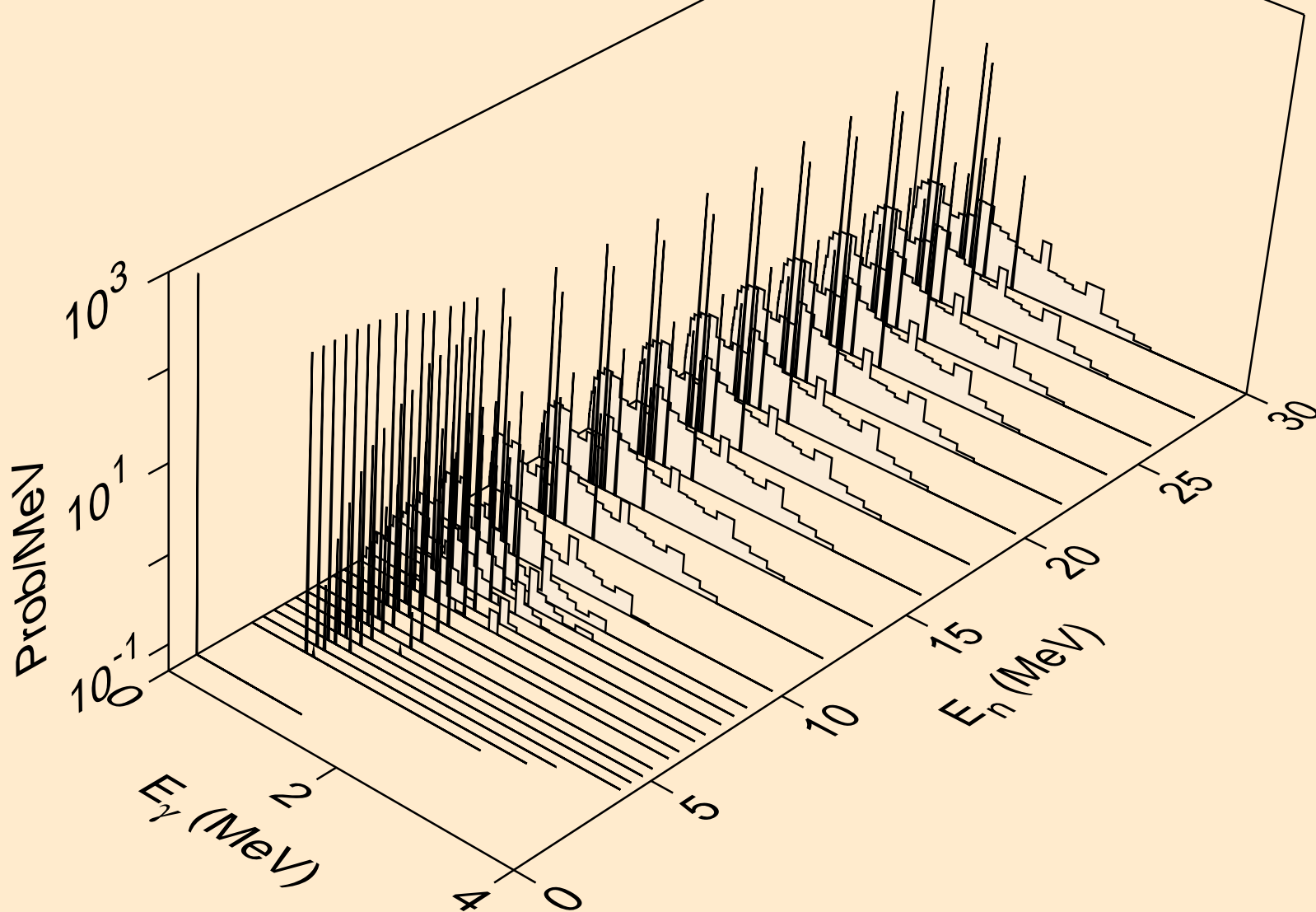
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n)a



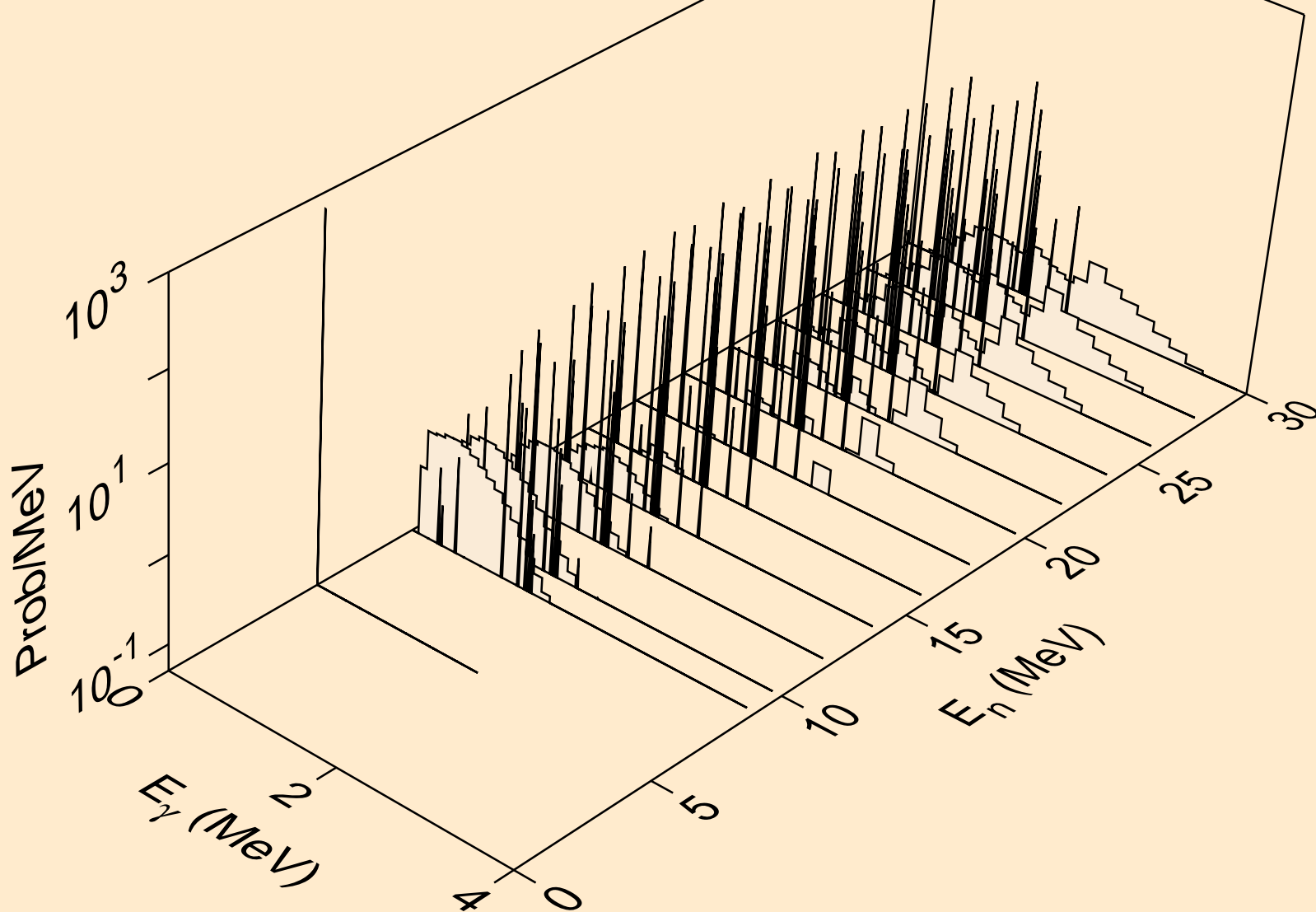
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3n)a



I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)p

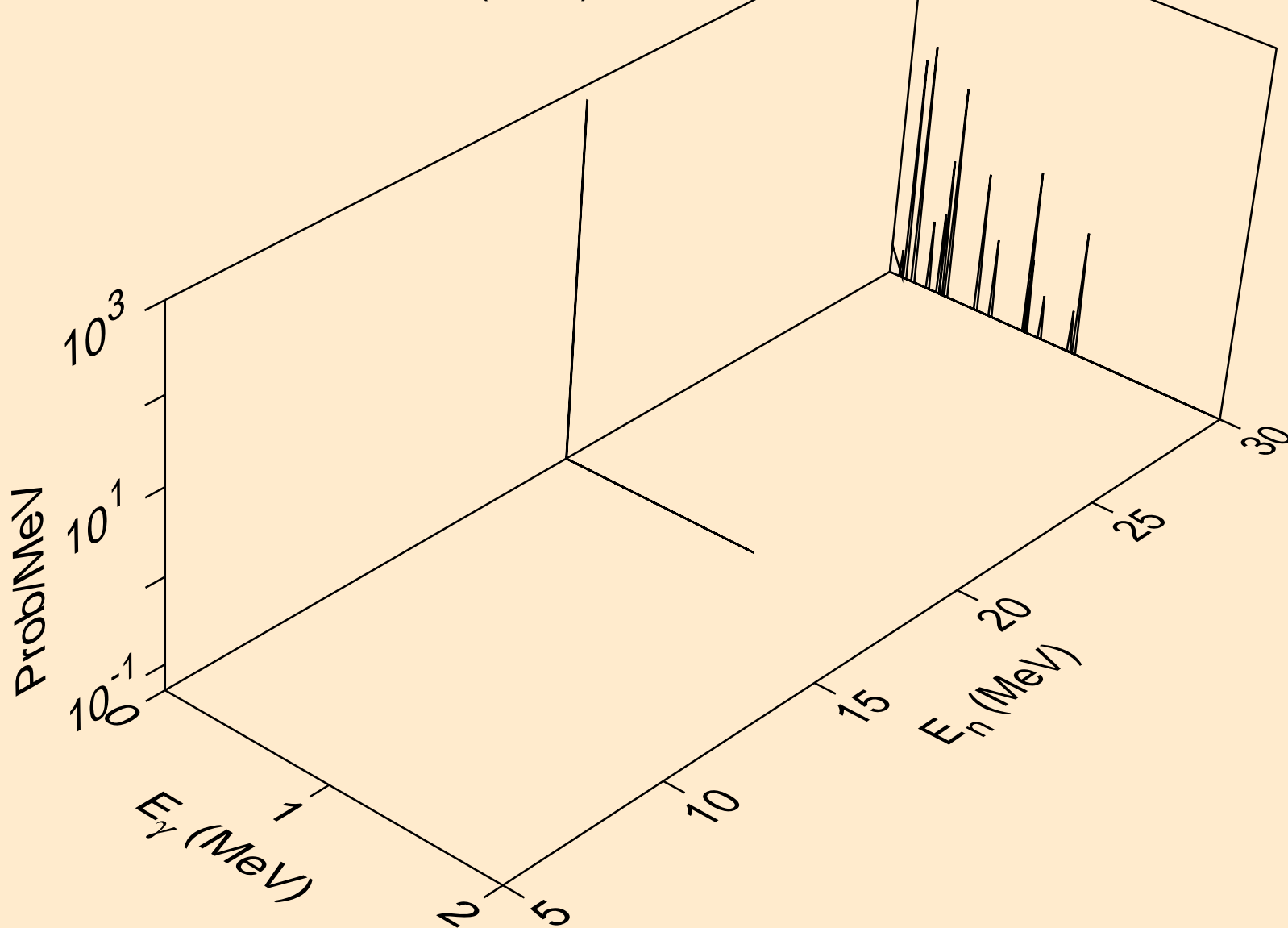


I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)2a

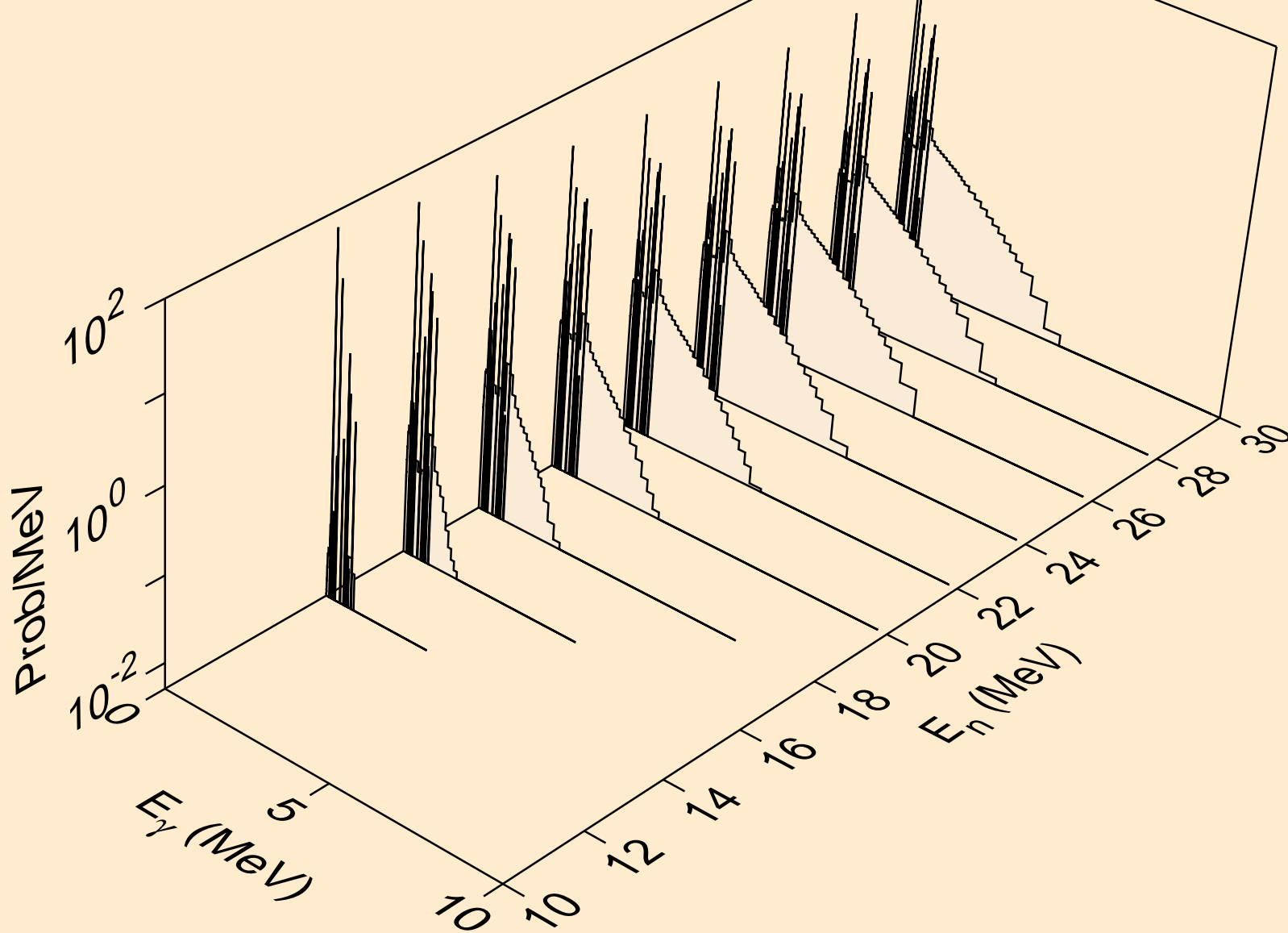




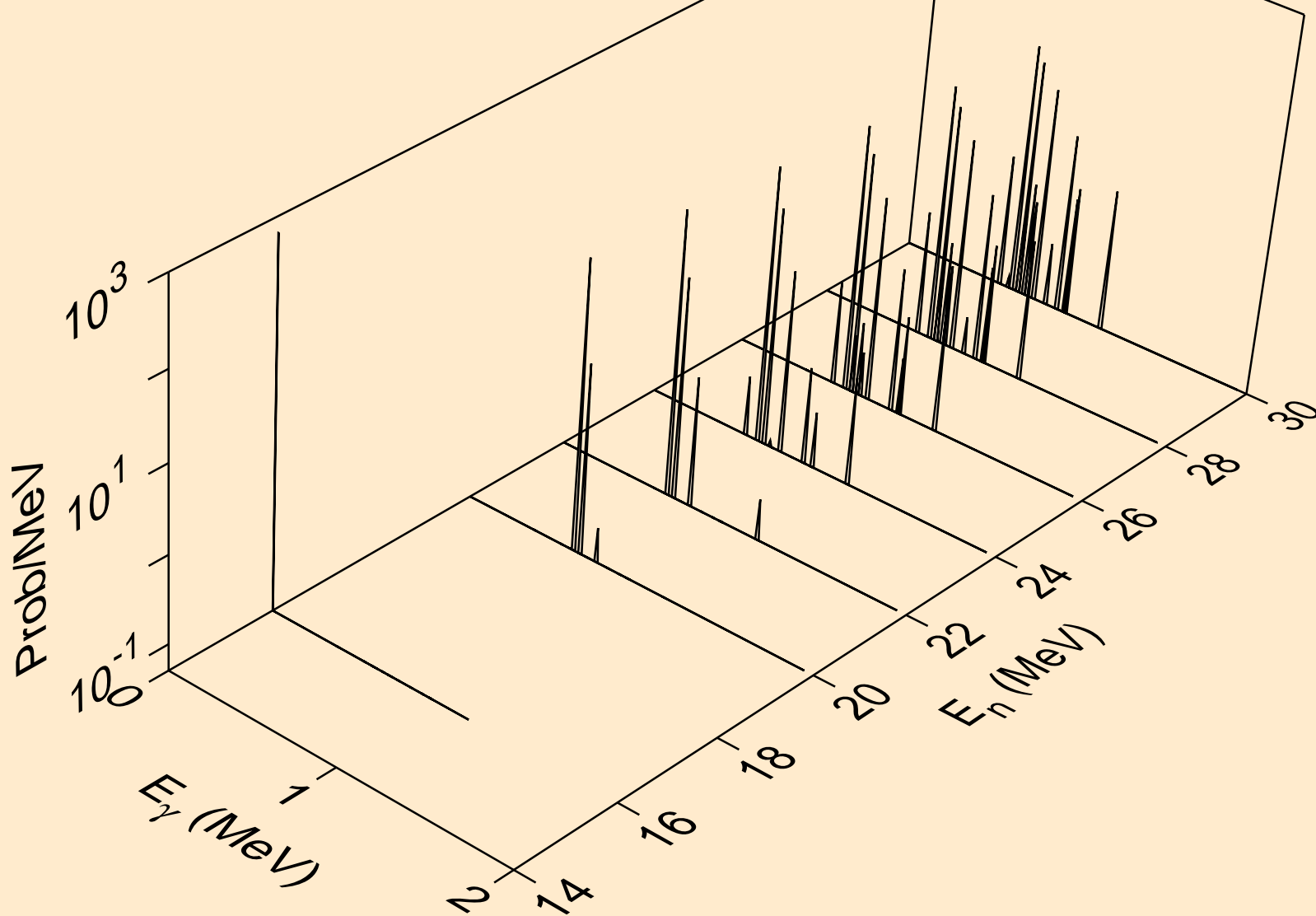
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n)2a



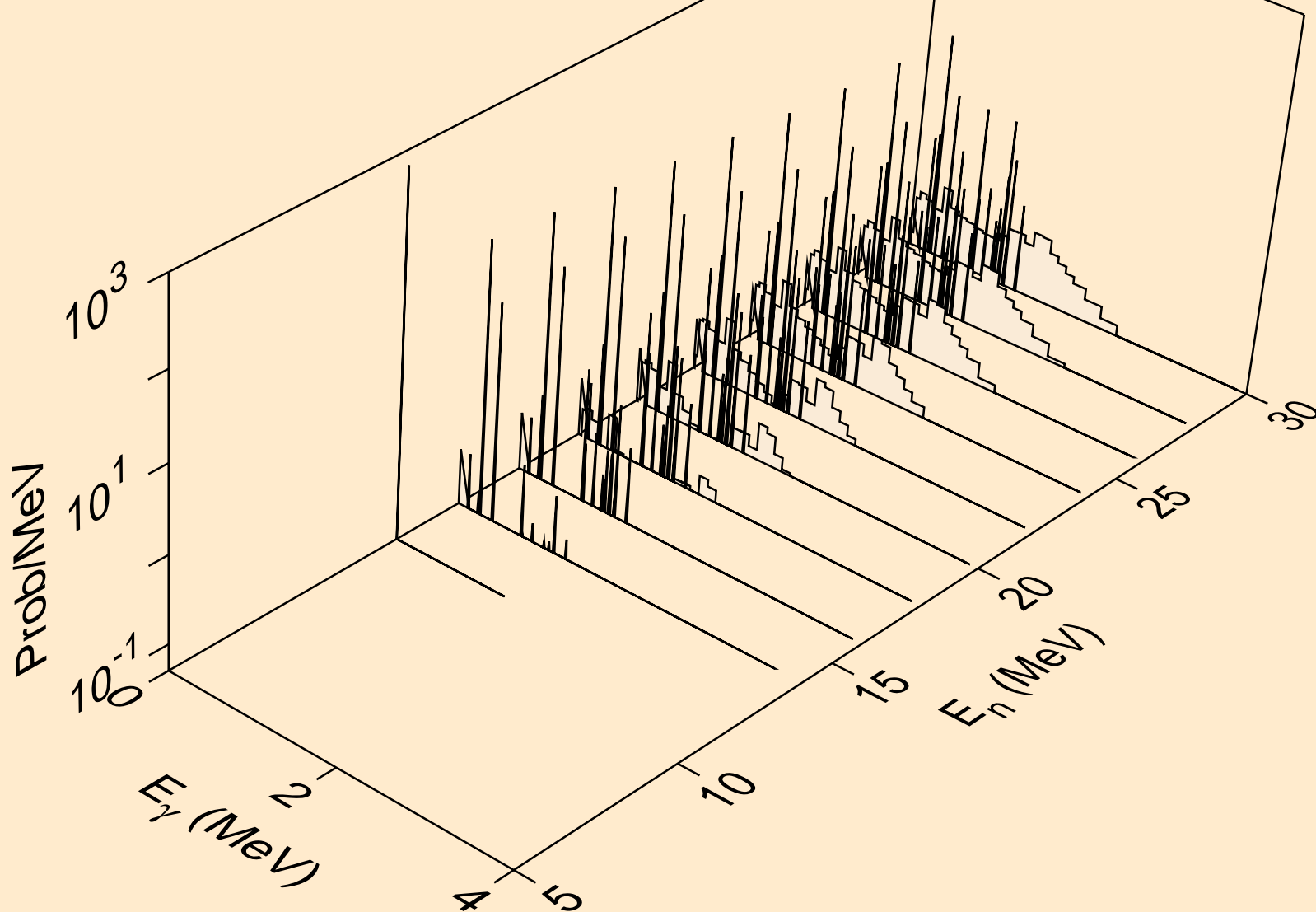
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)d



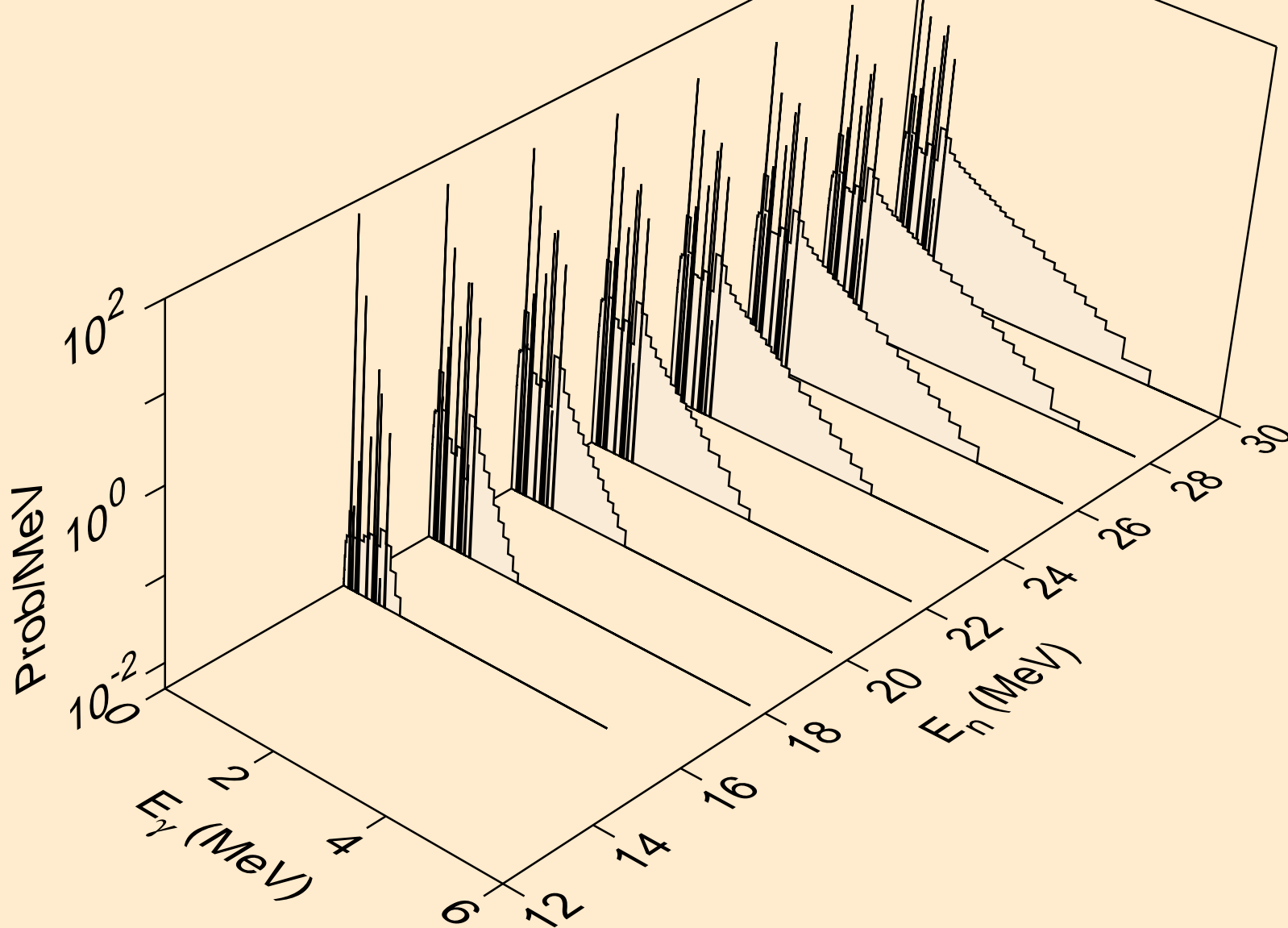
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)t



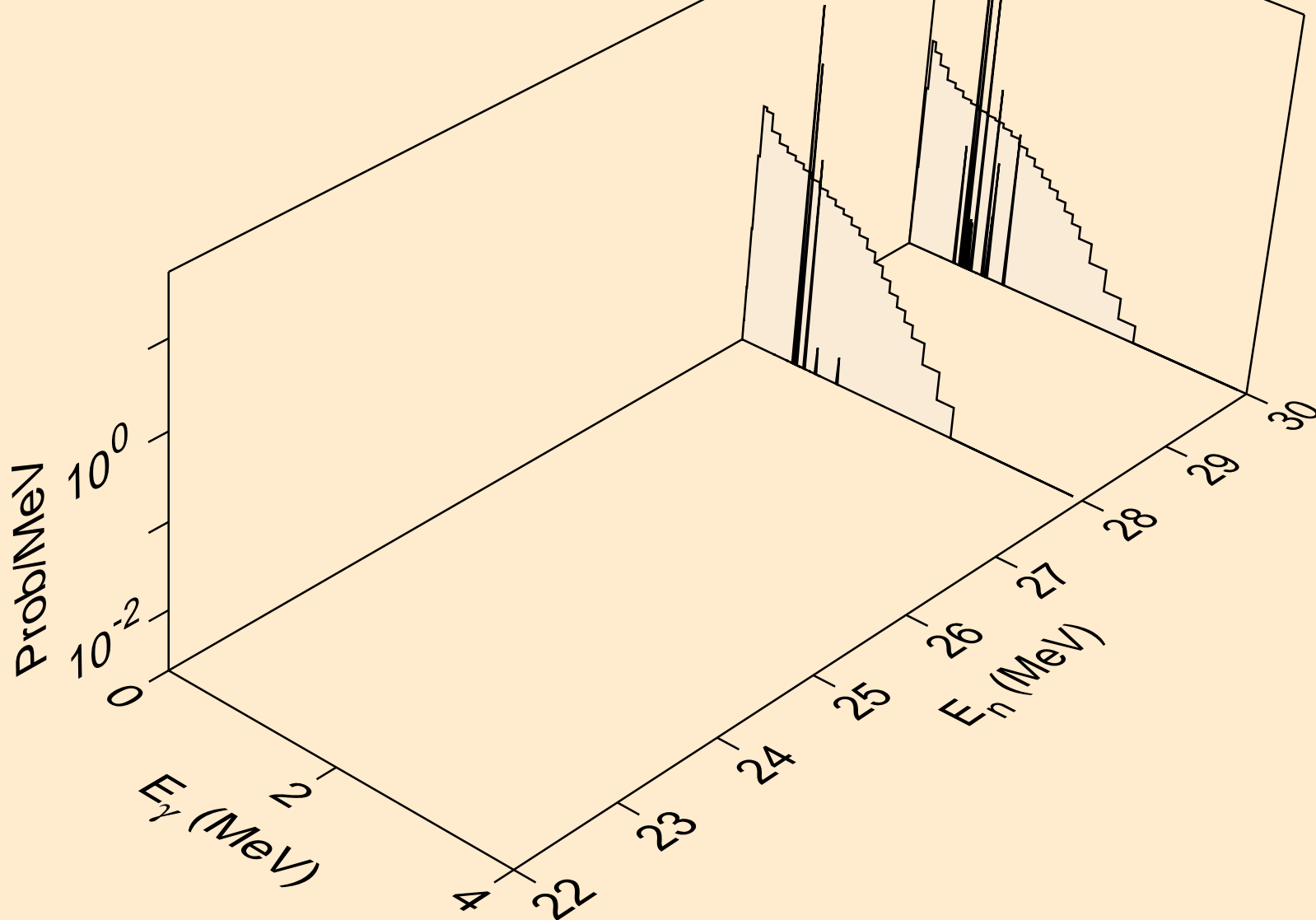
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)he3



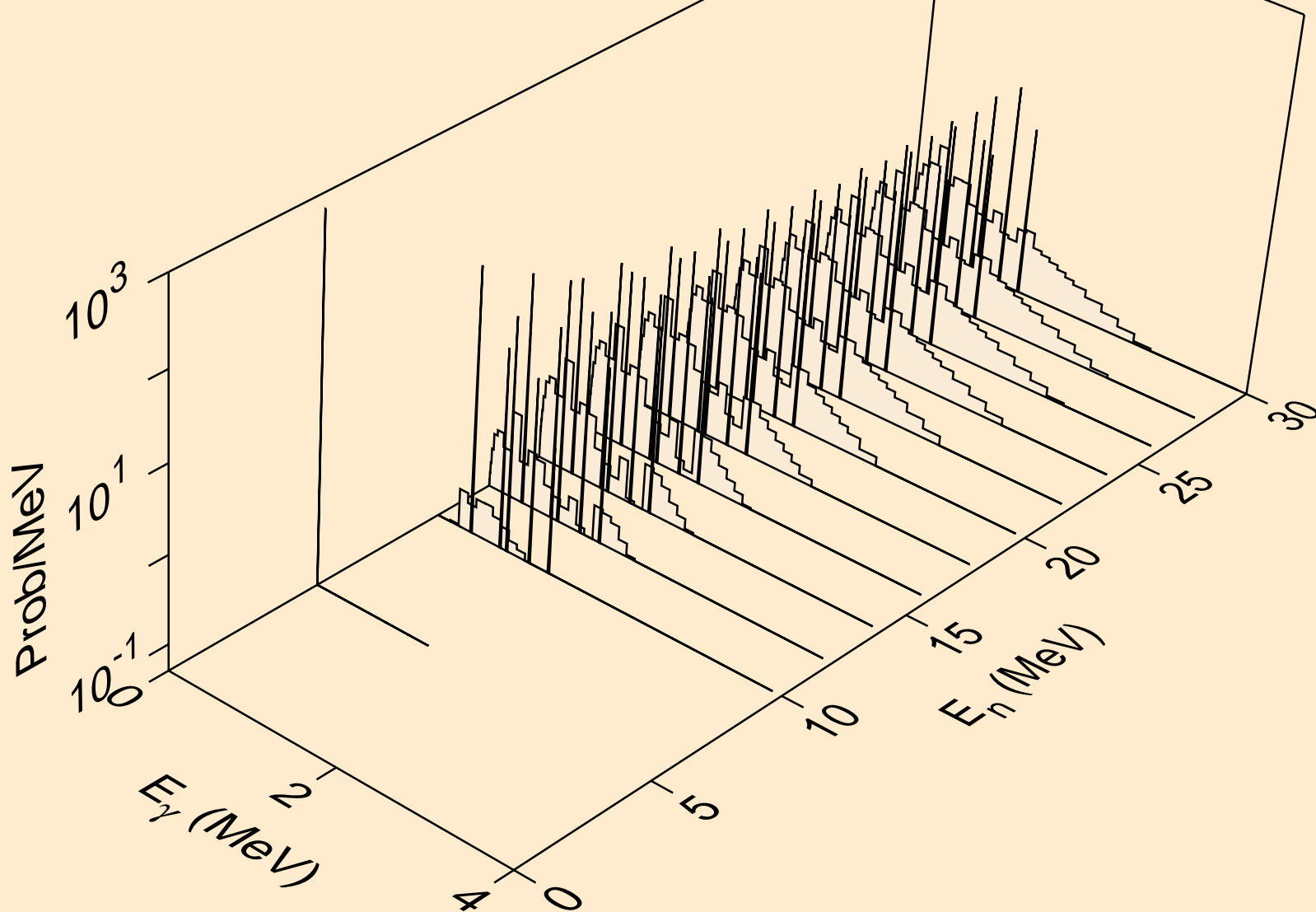
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2np)



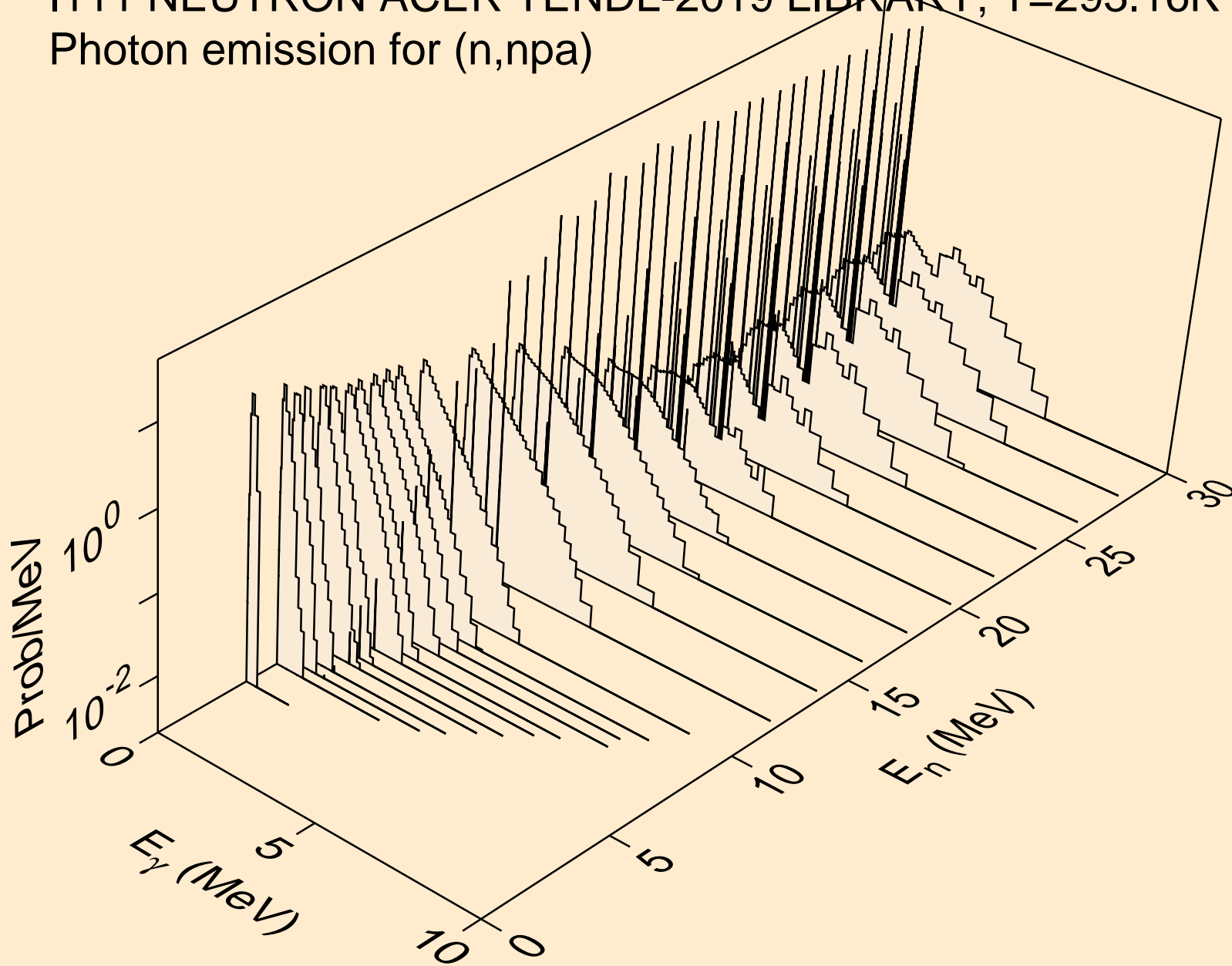
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3np)



I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2np)

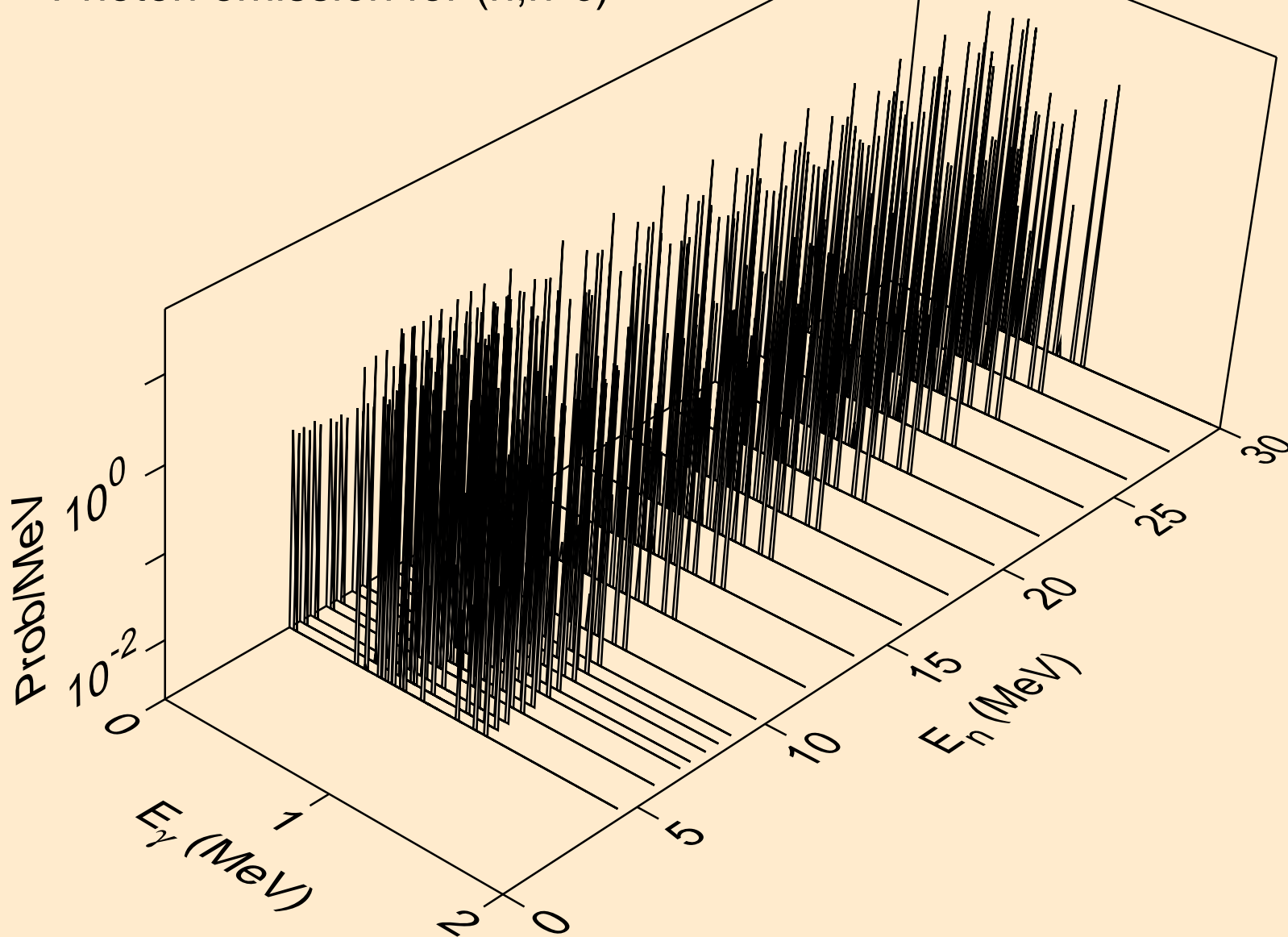


I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,npa)

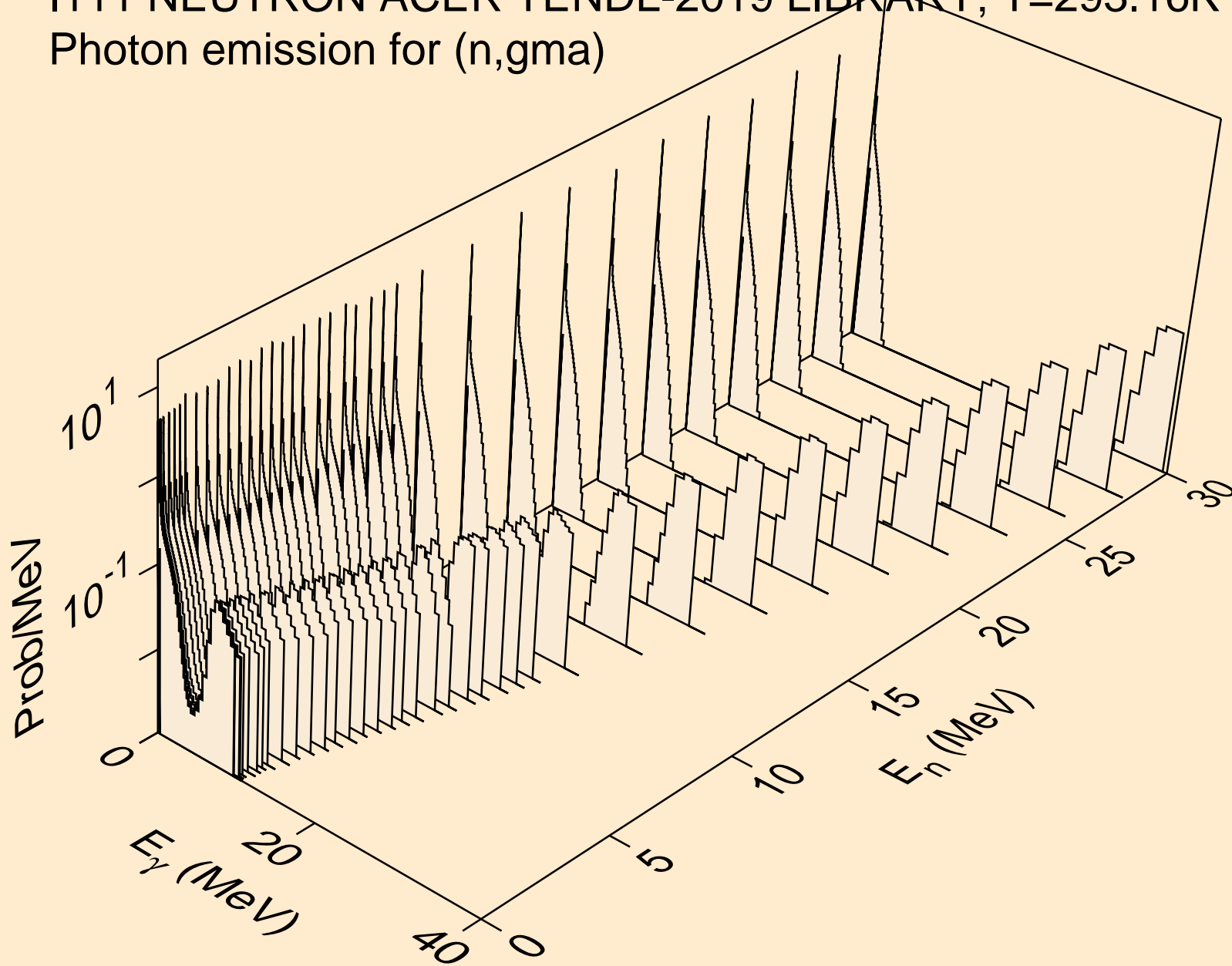




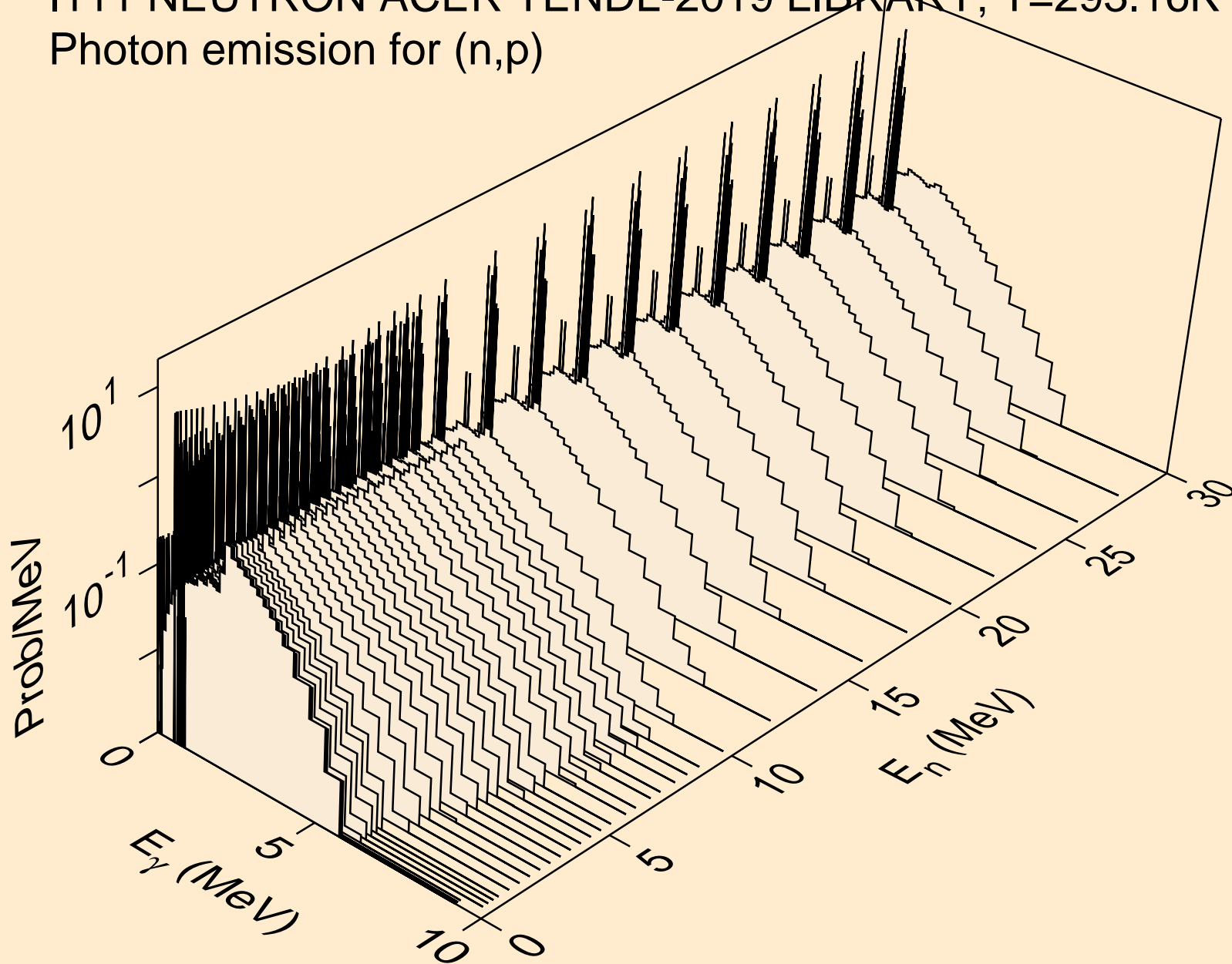
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*c)



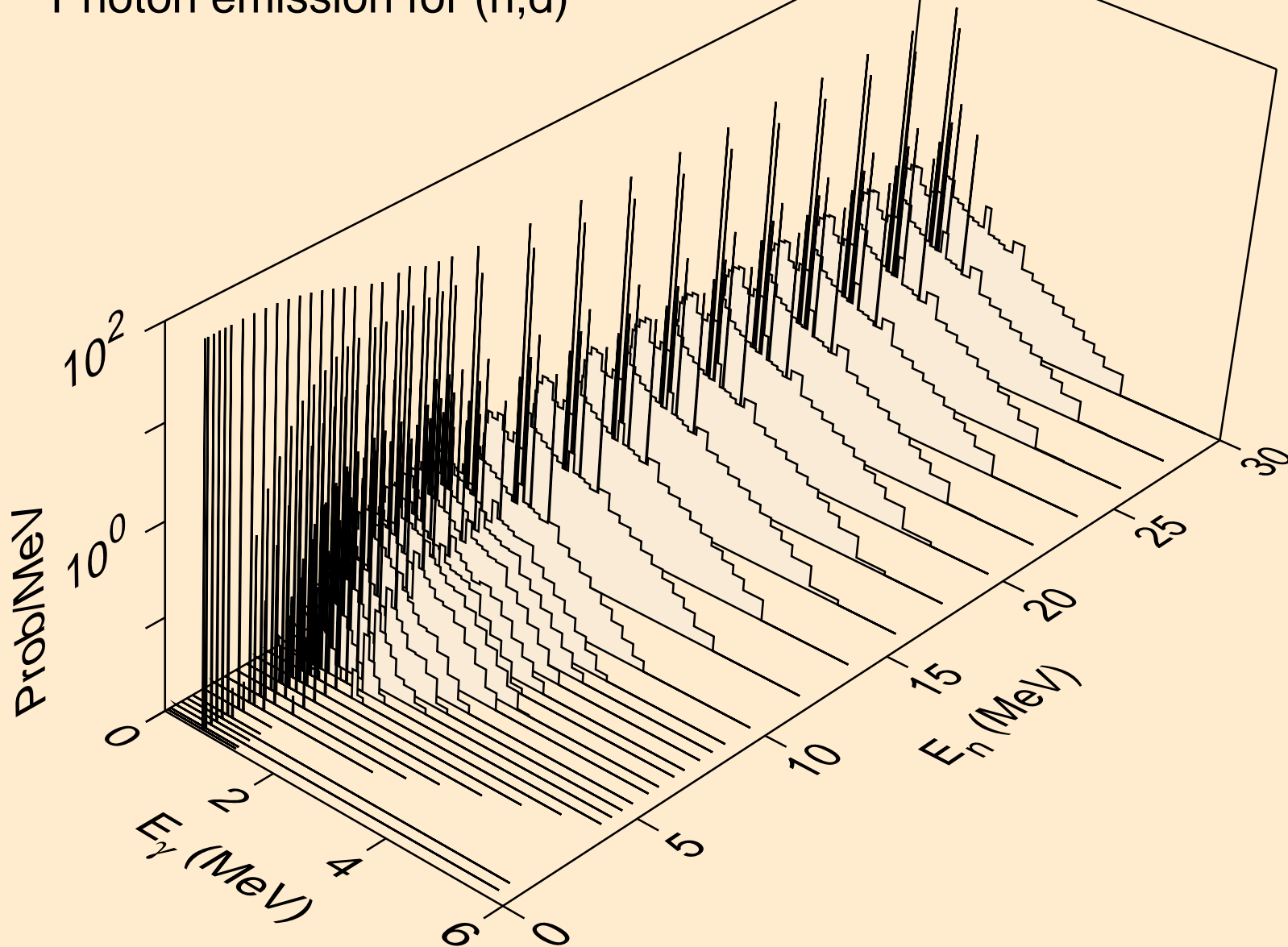
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,gma)



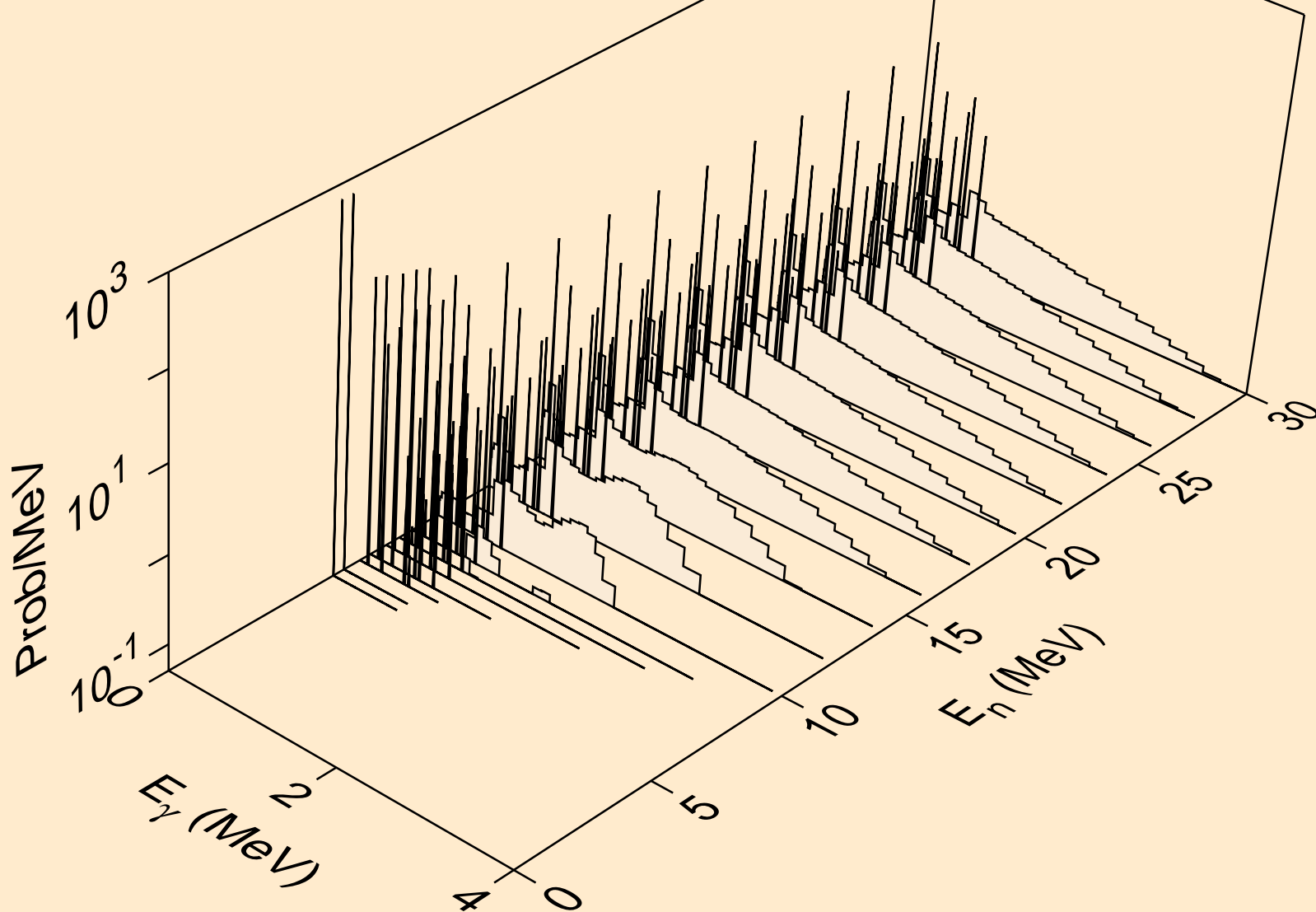
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,p)



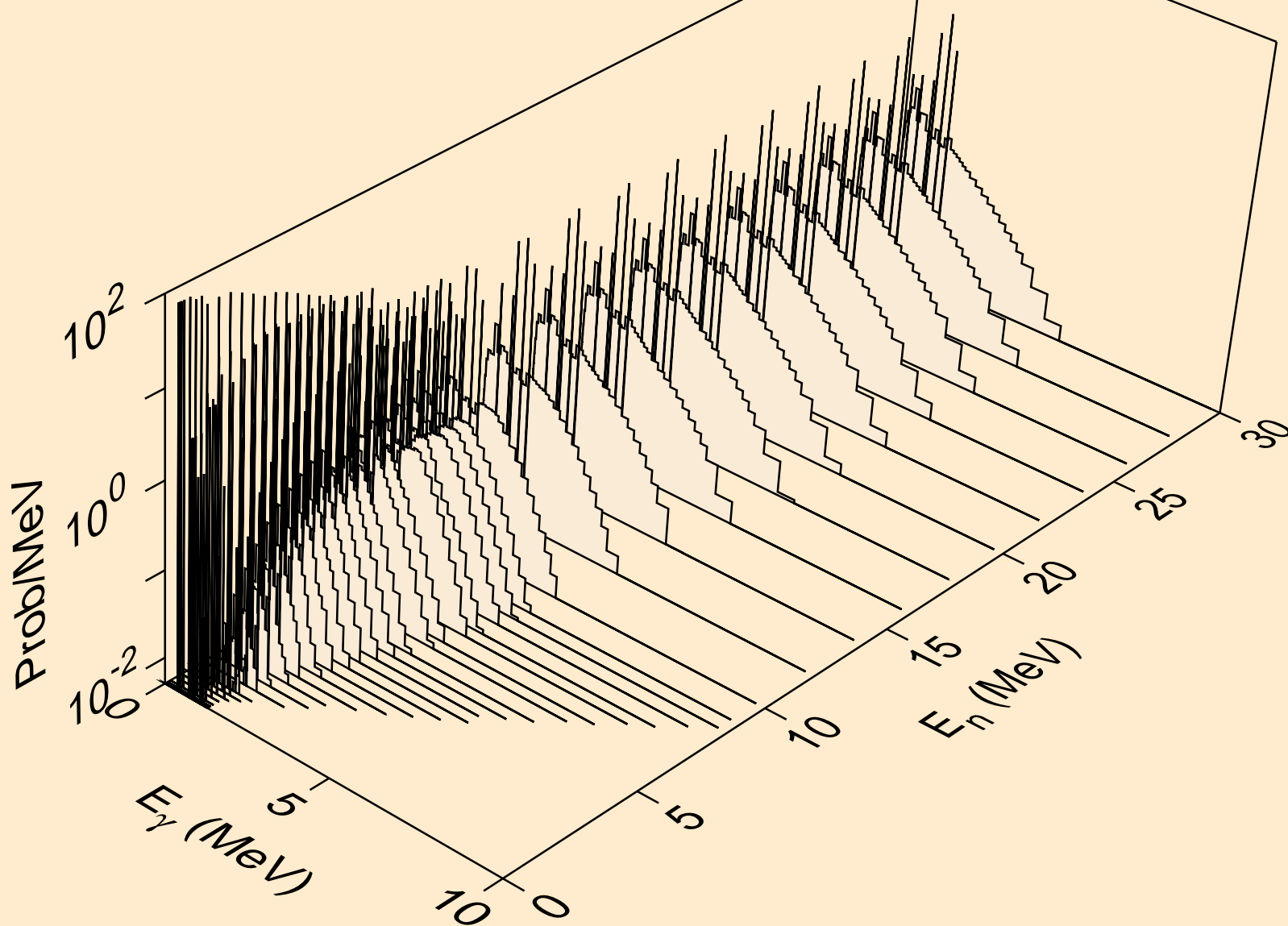
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,d)



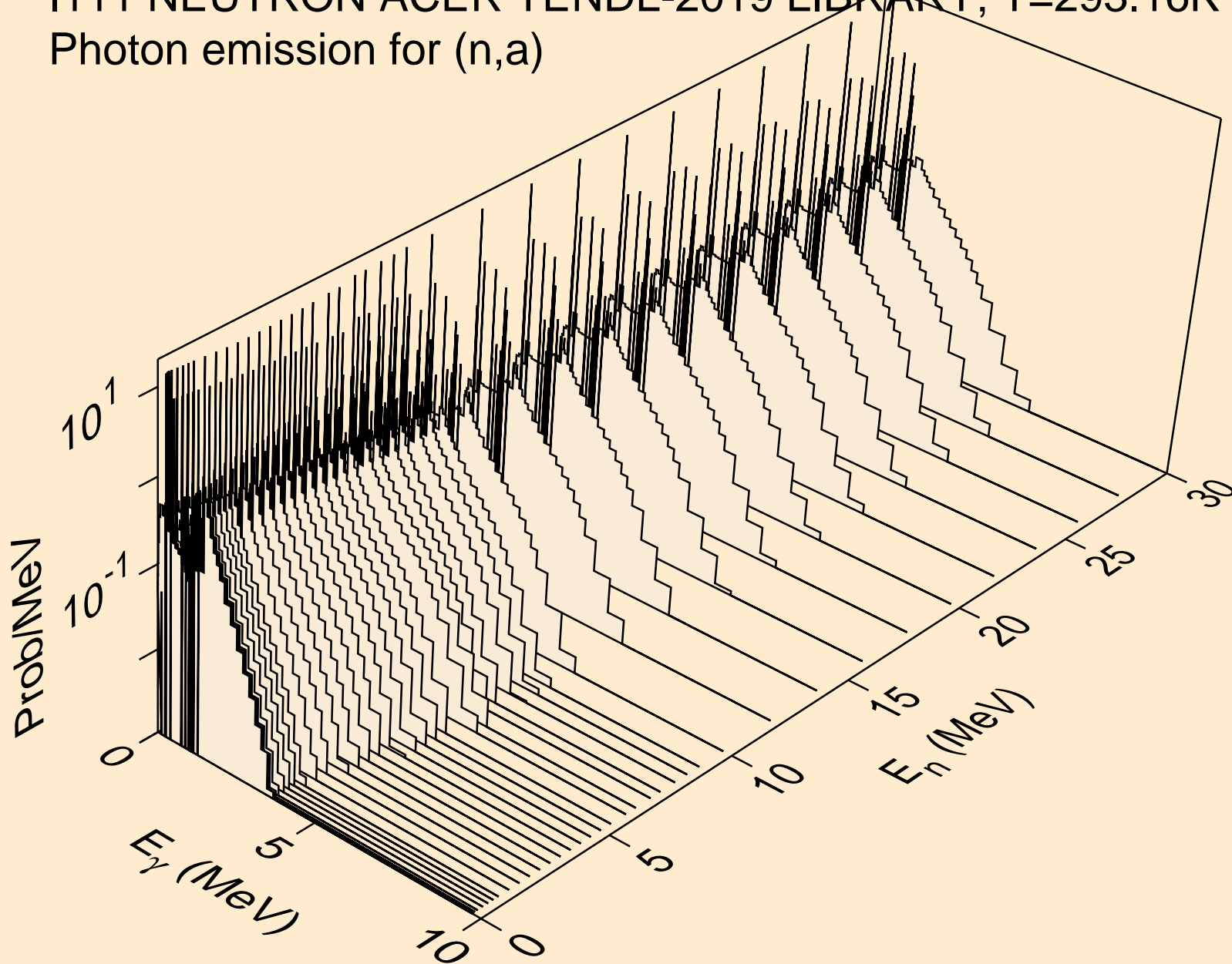
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,t)



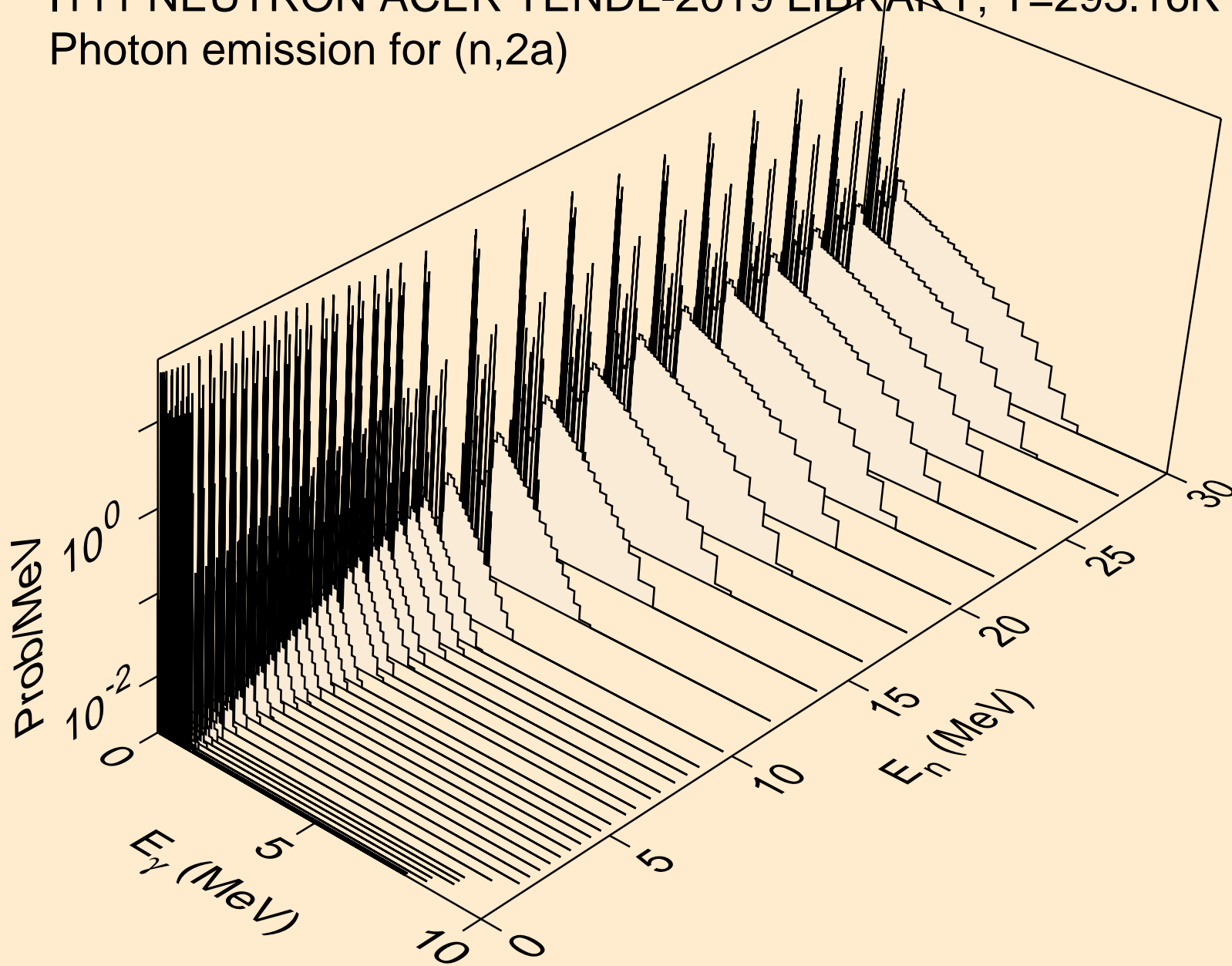
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,he3)



I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,a)

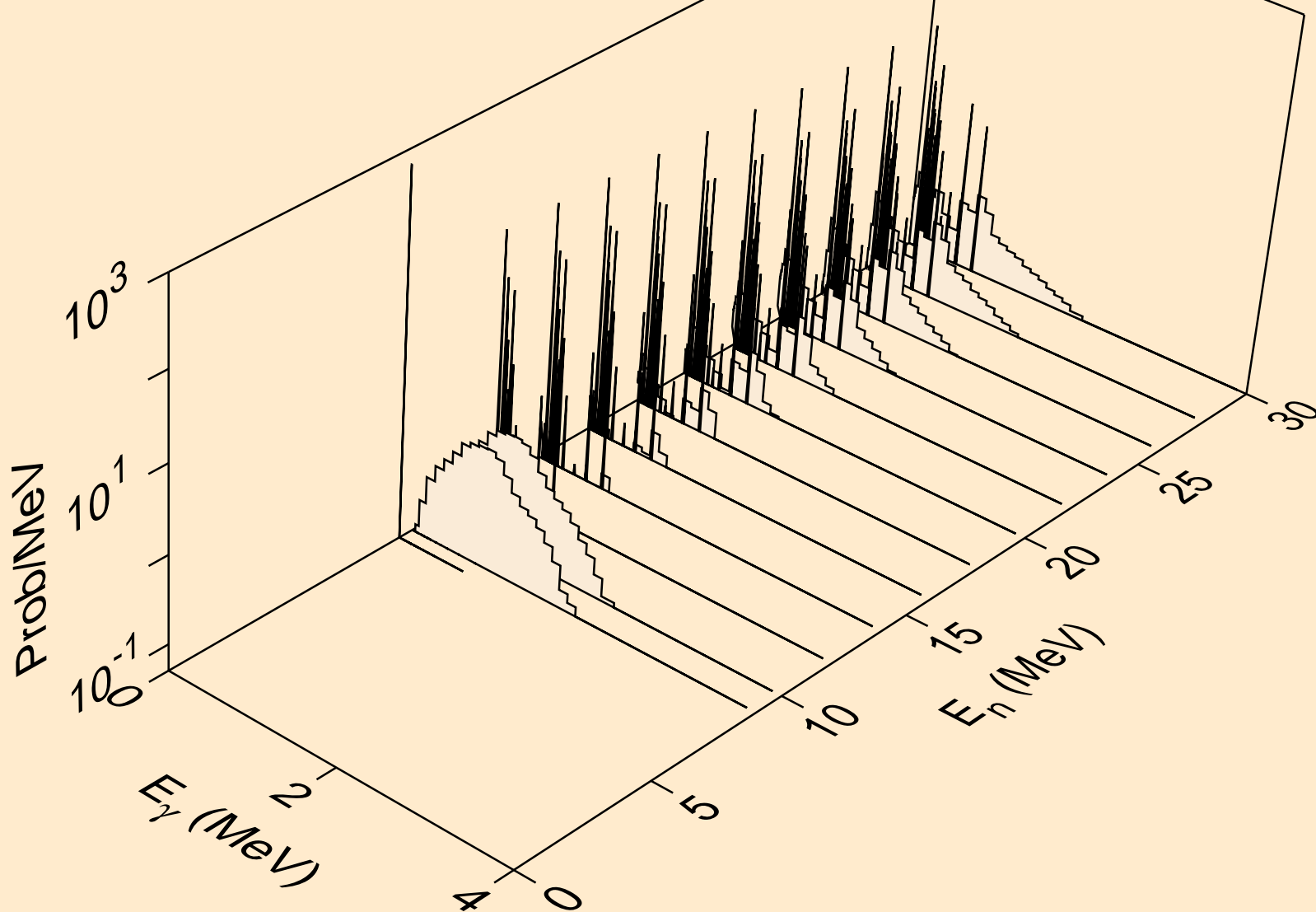


I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2a)

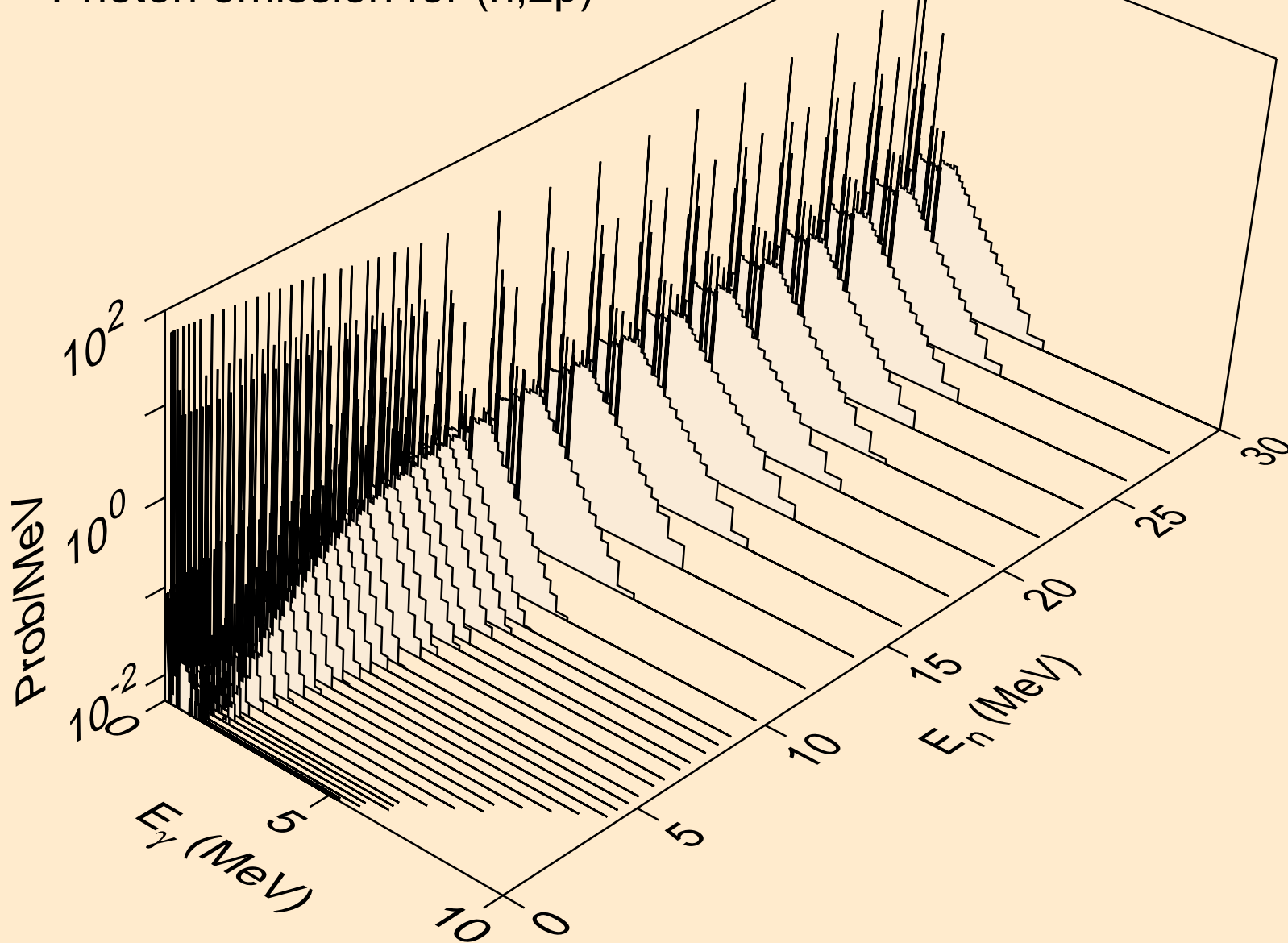




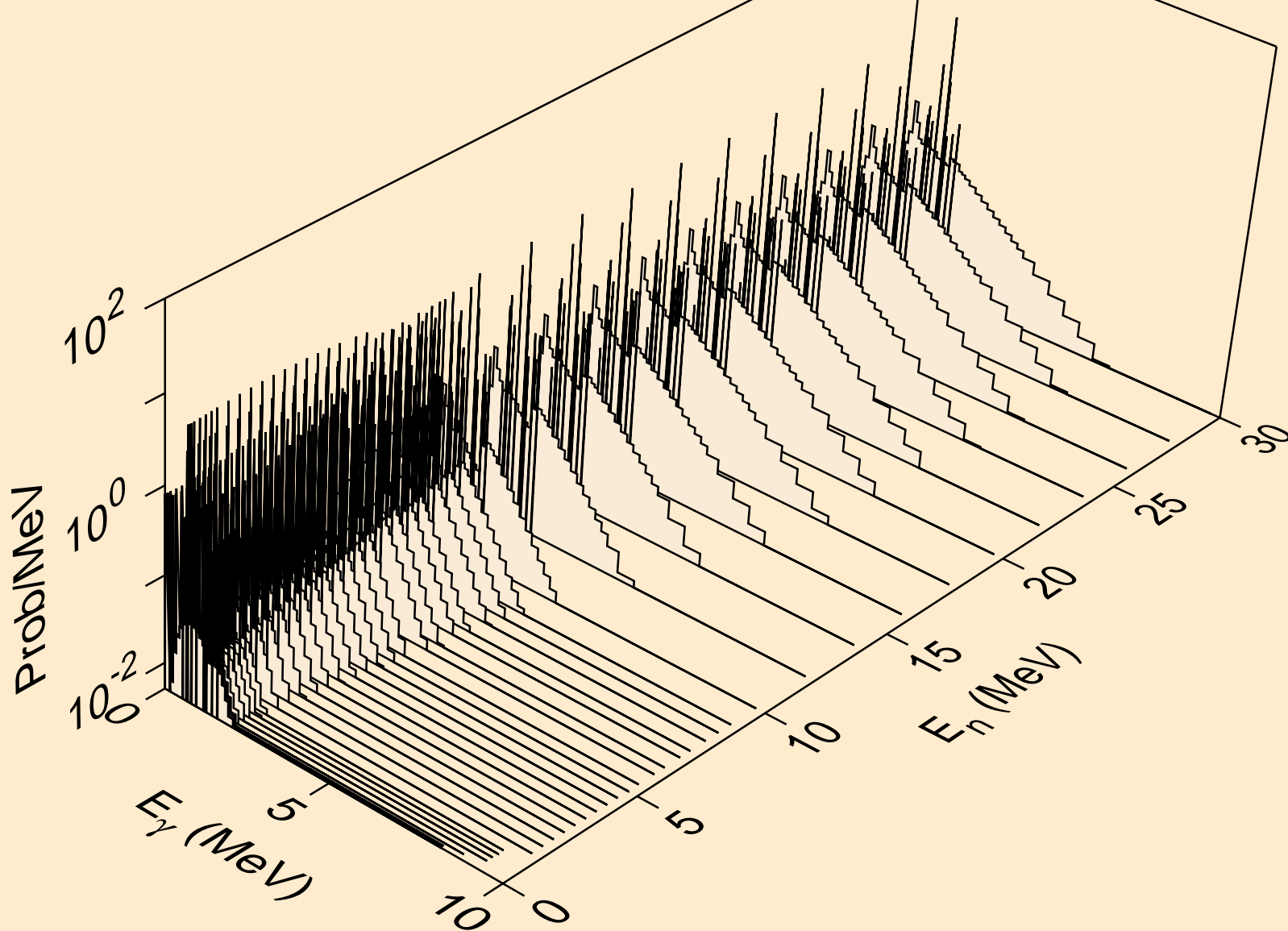
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3a)



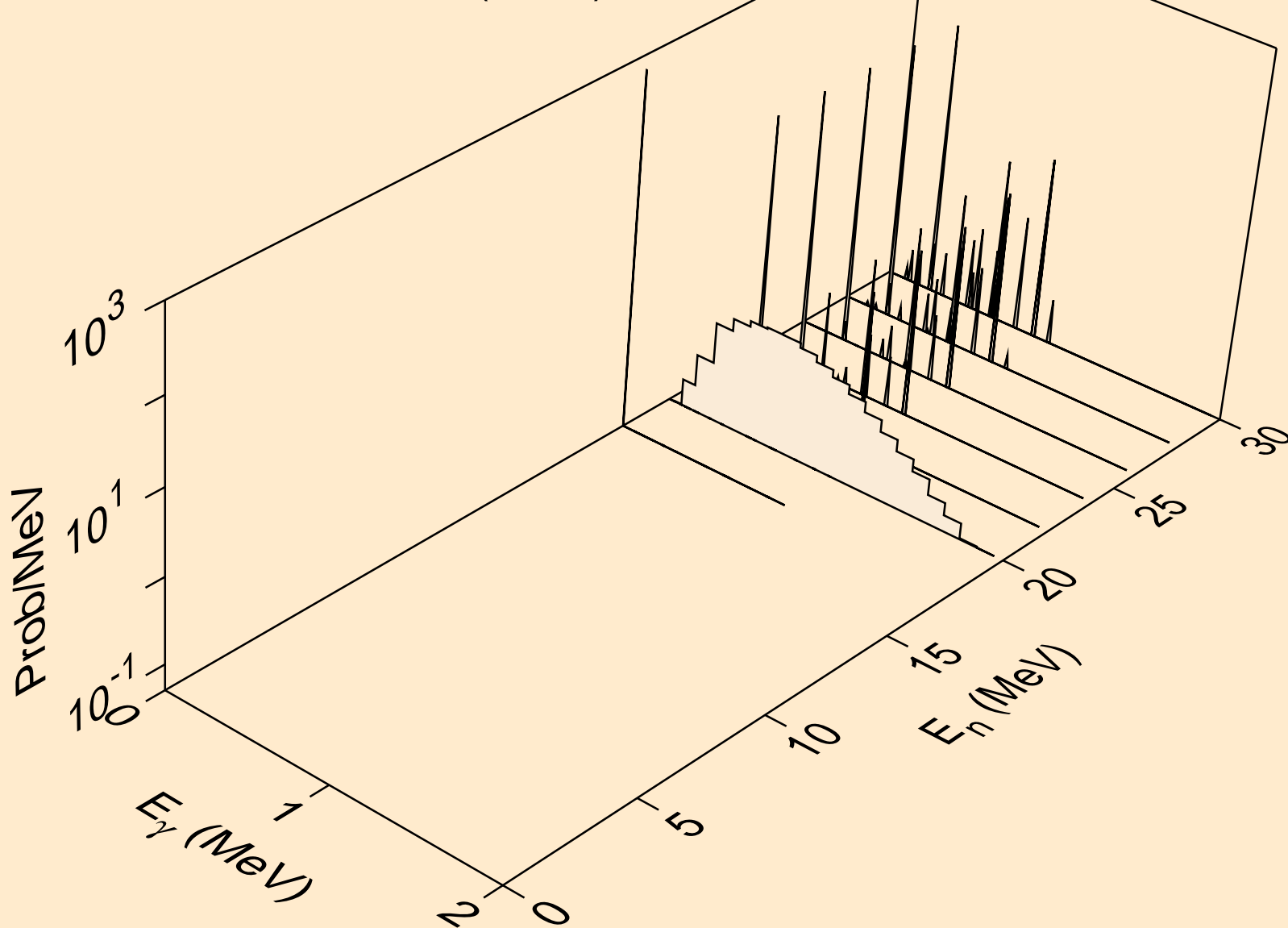
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2p)



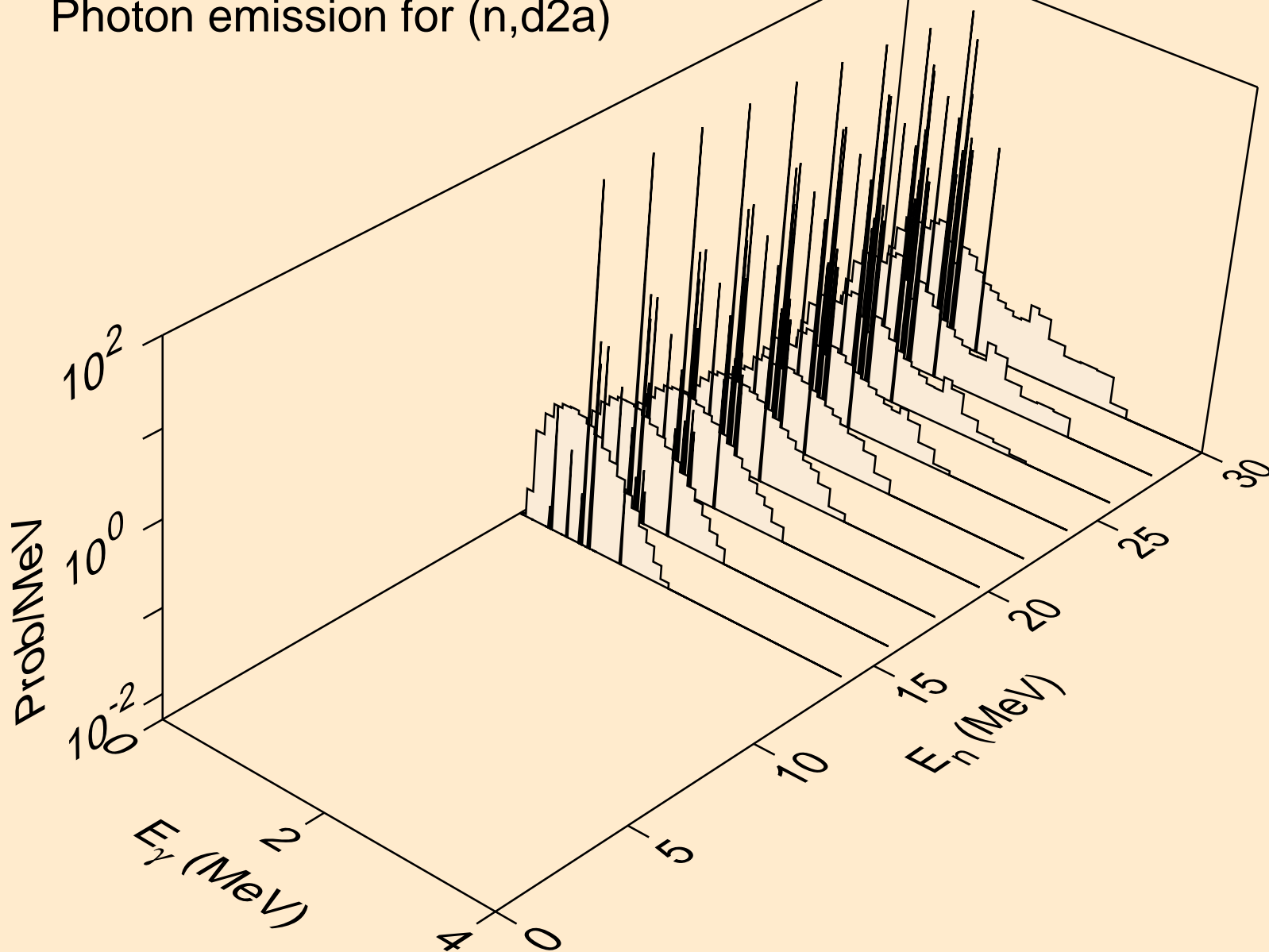
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,pa)



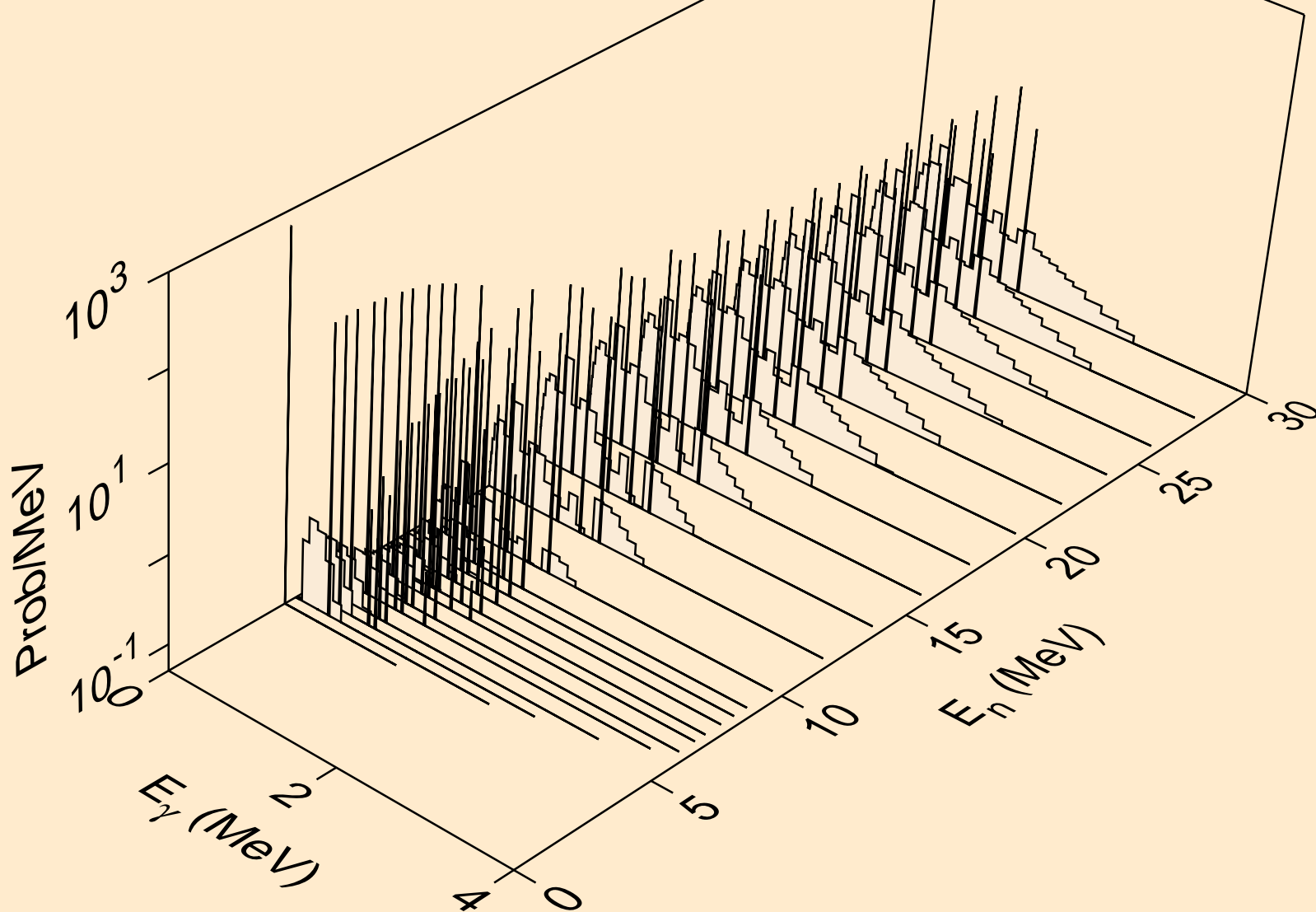
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,t2a)



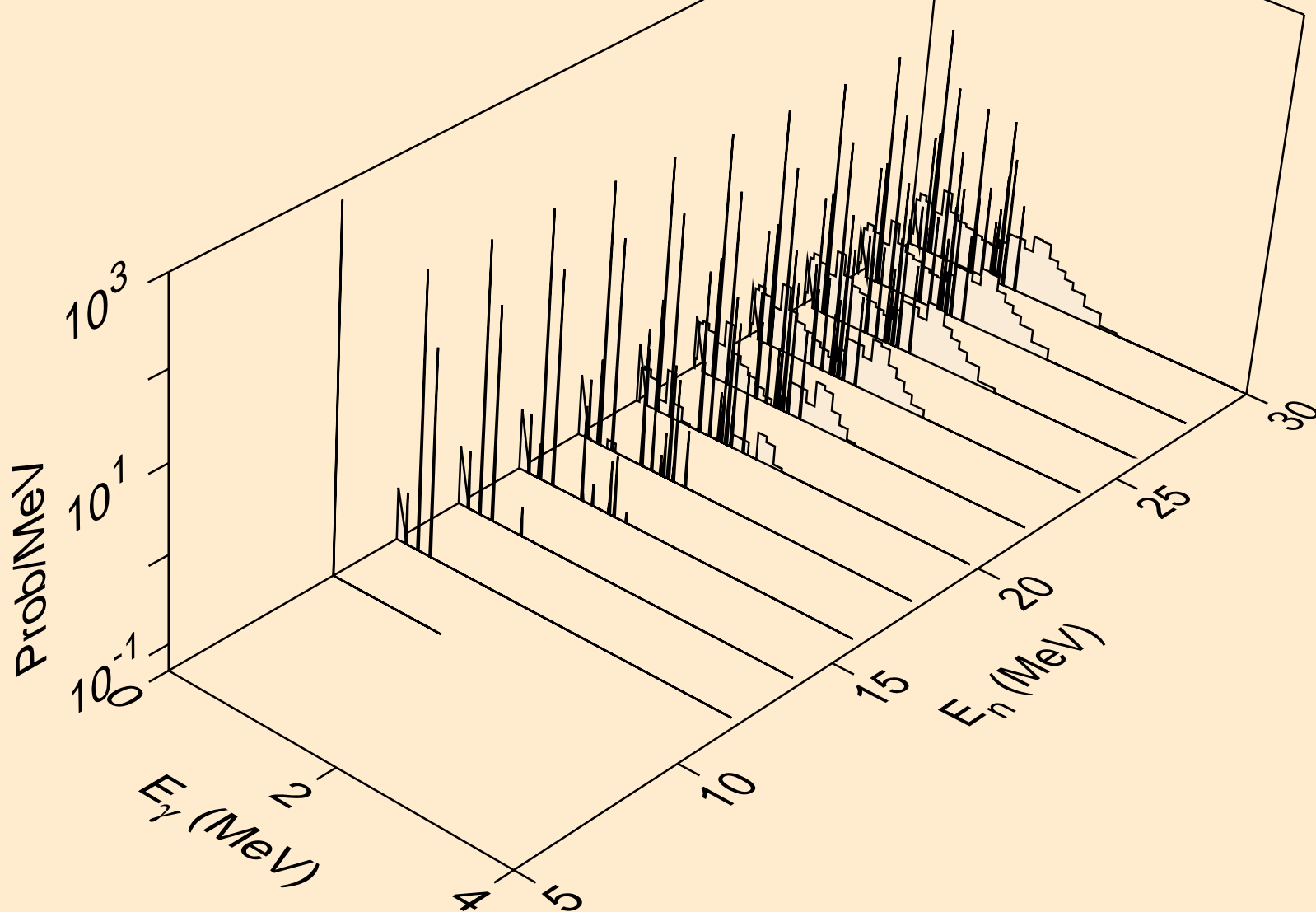
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,d2a)



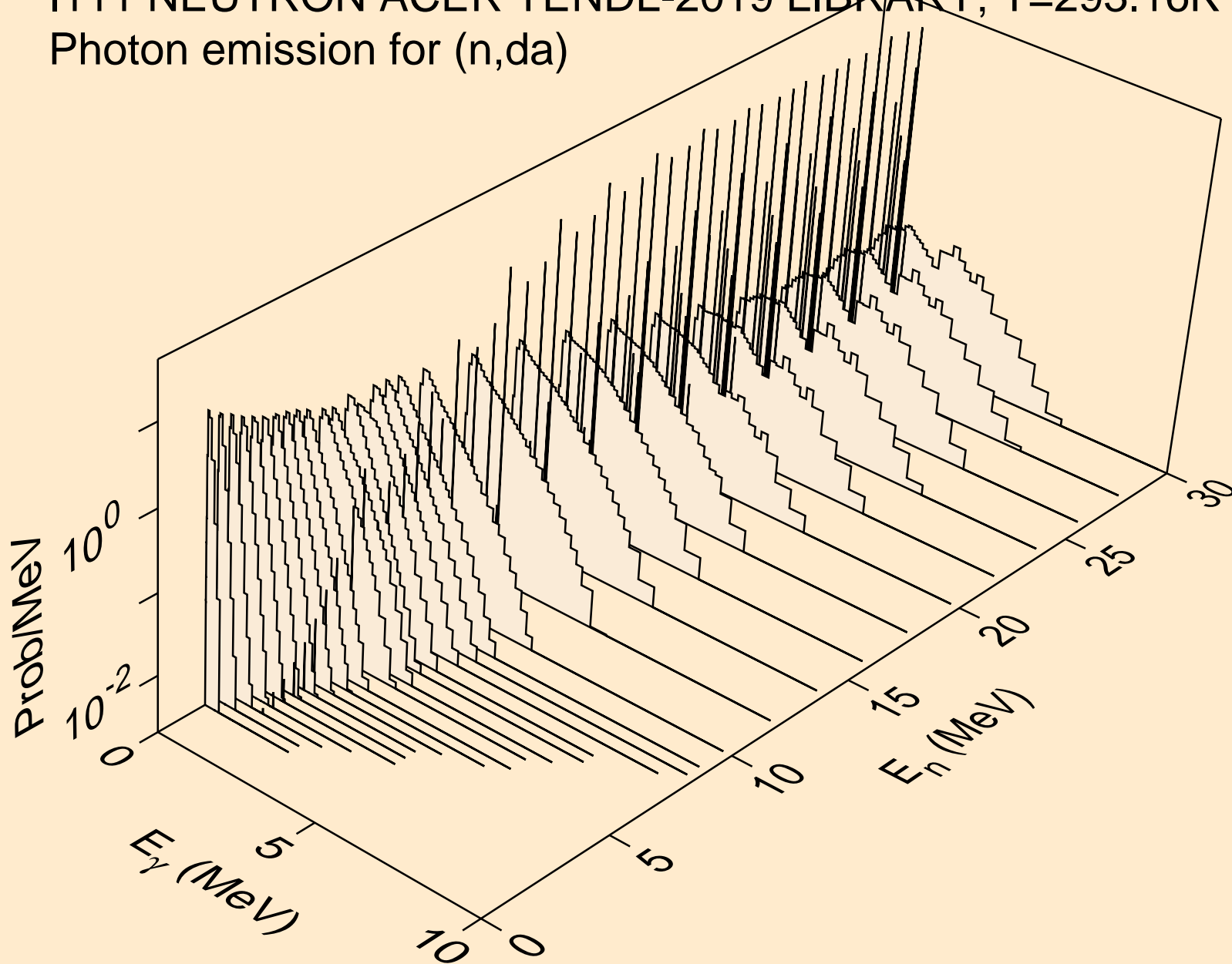
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,pd)



I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,pt)

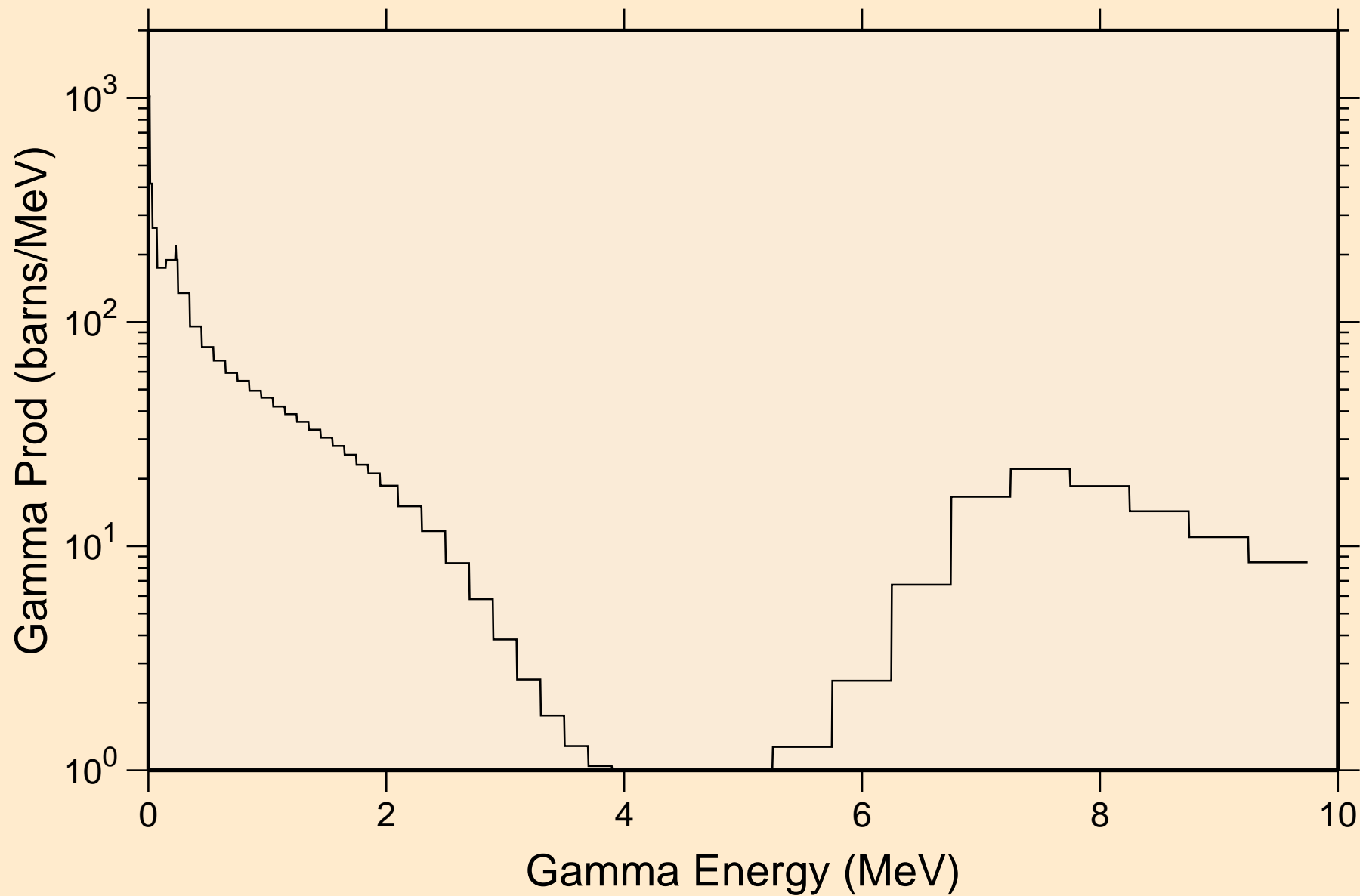


I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,da)

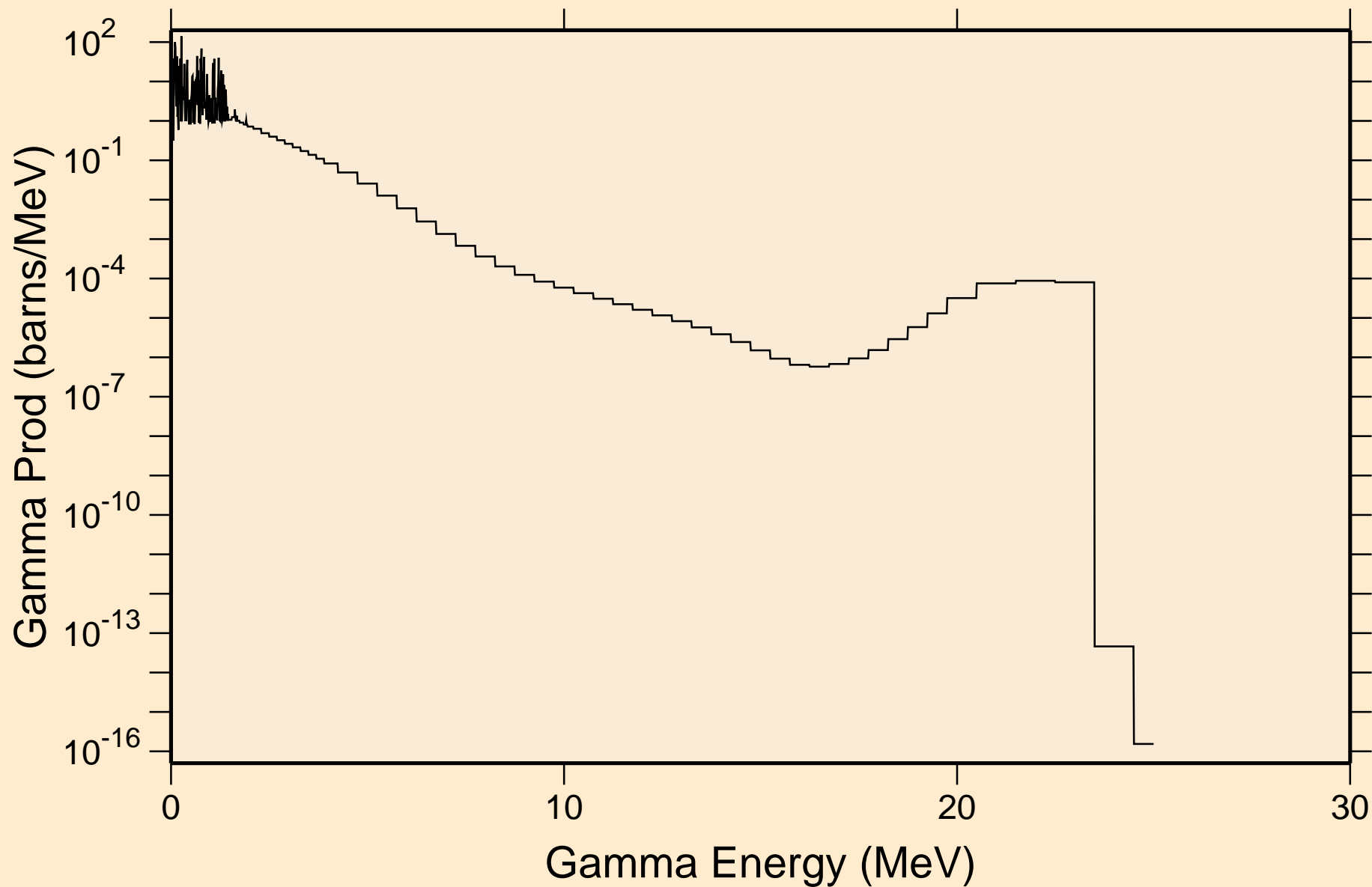




I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
thermal capture photon spectrum

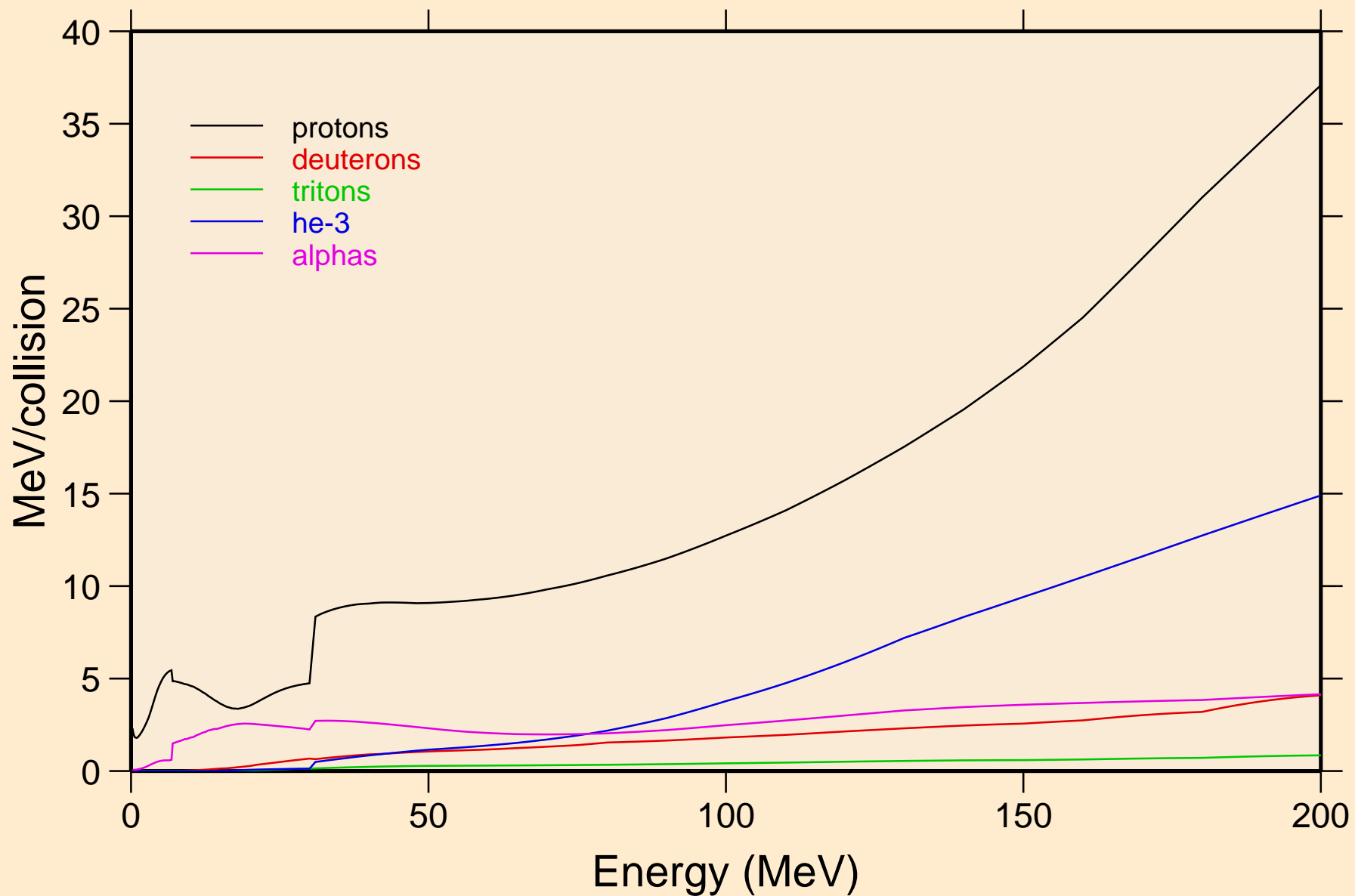


I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
14 MeV photon spectrum

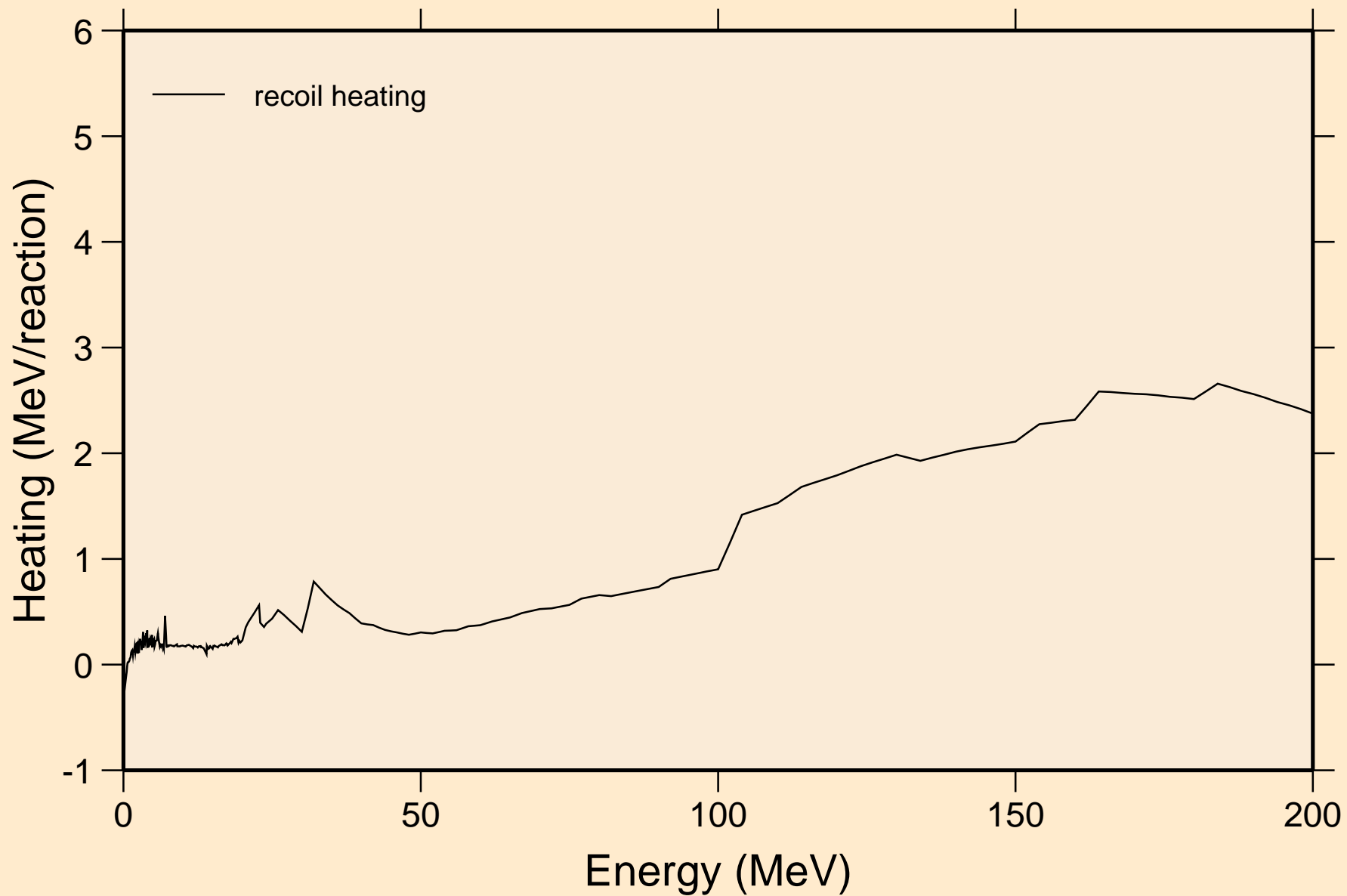


# I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

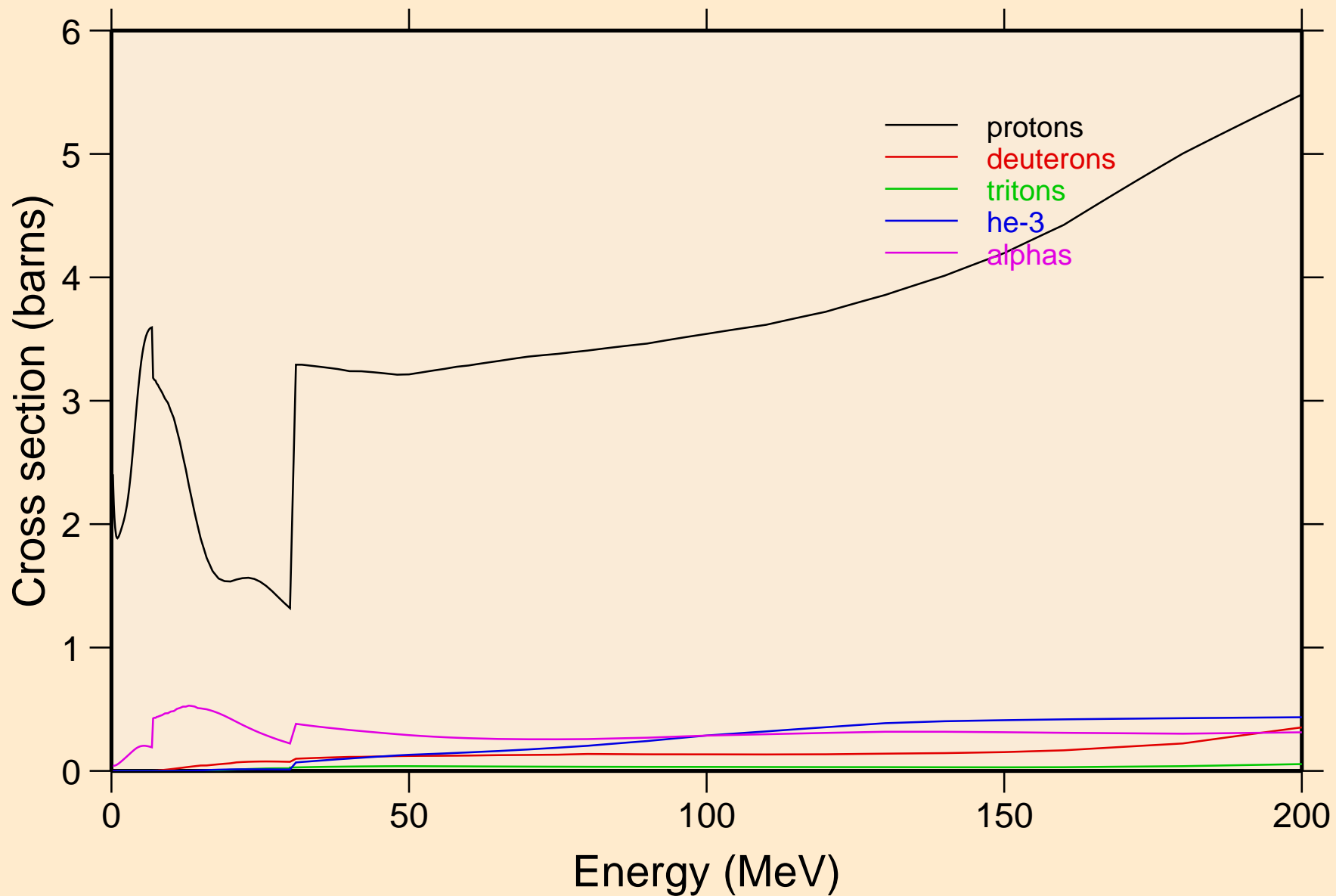
## Particle heating contributions



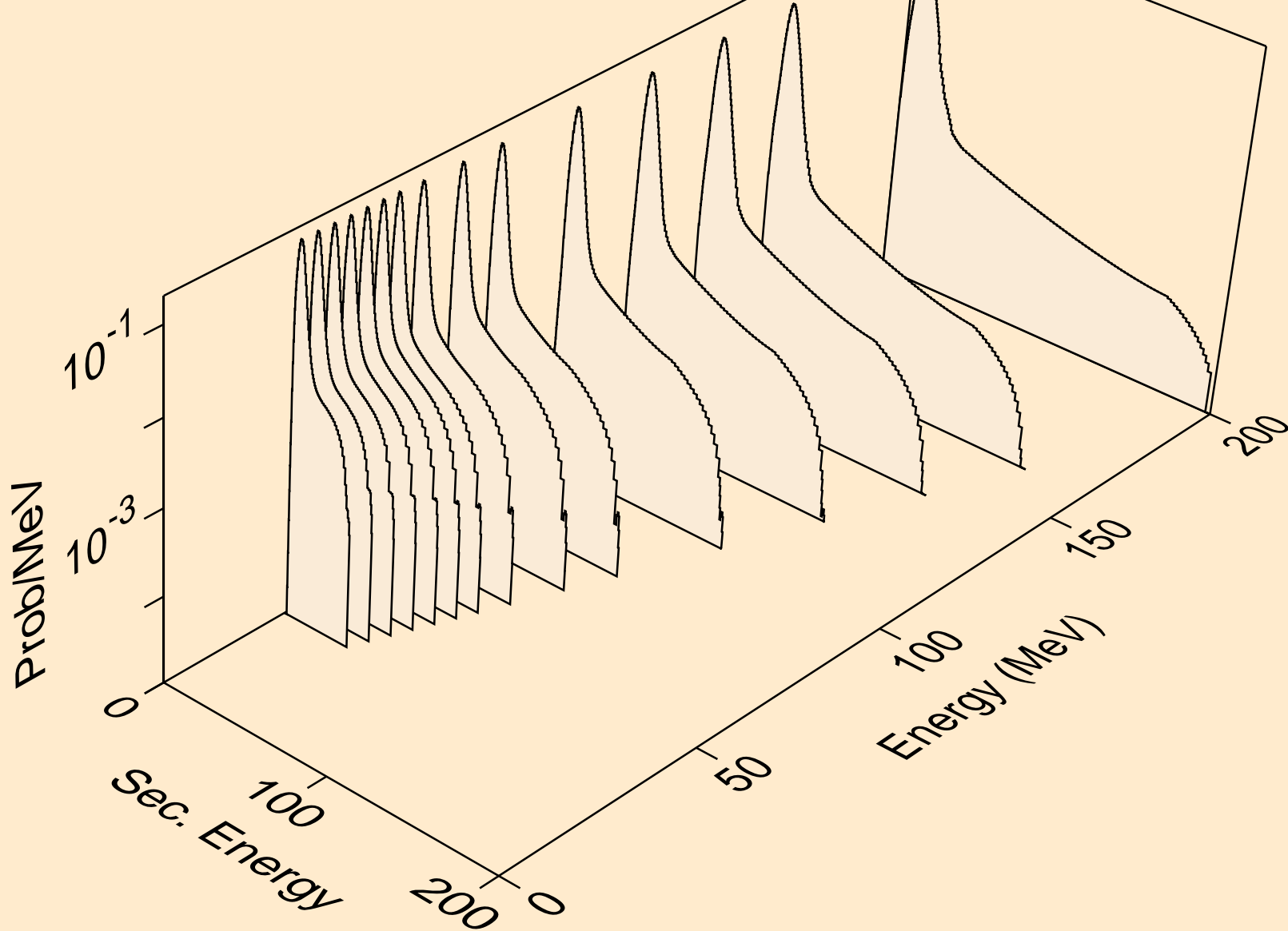
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Recoil Heating



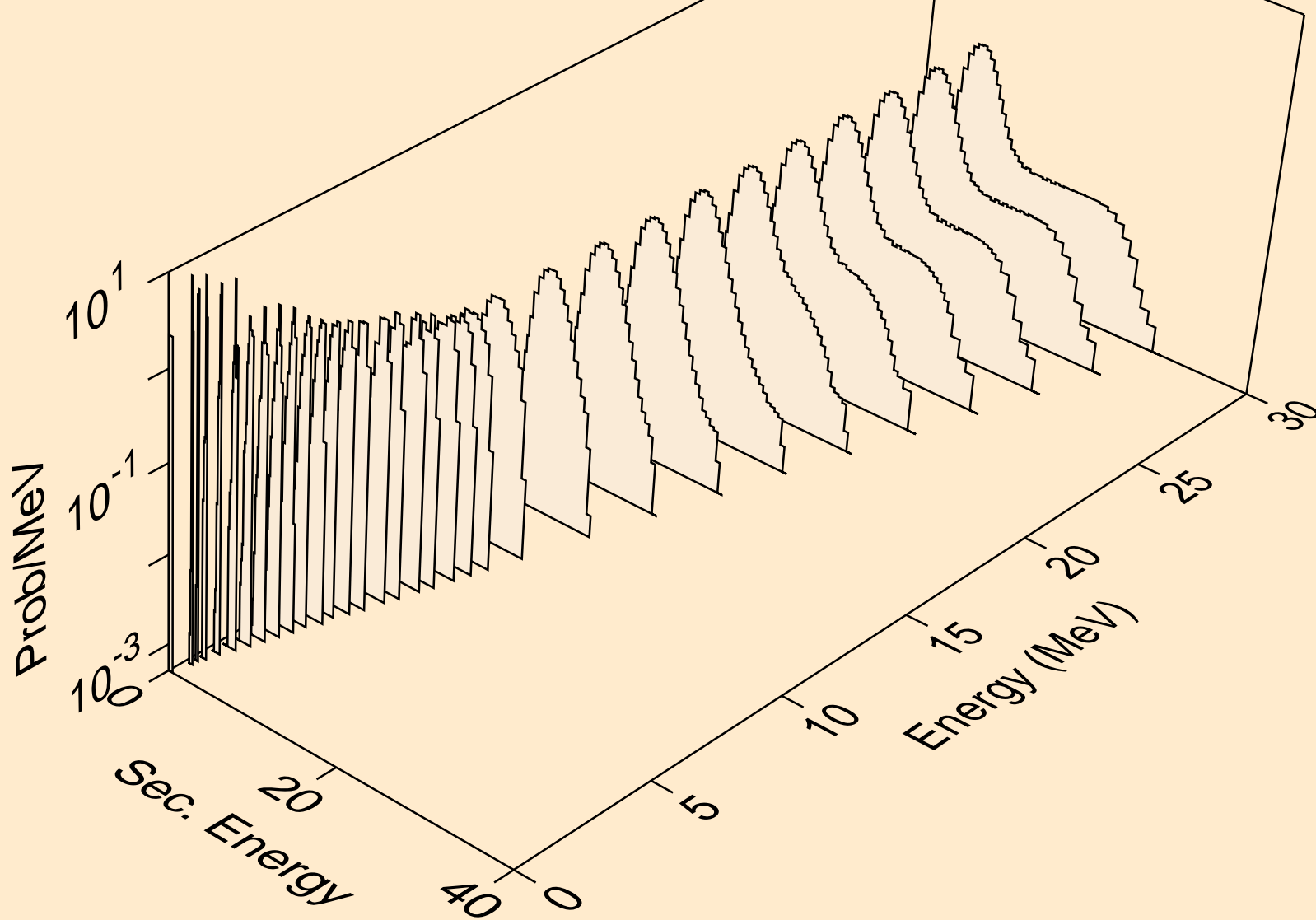
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Particle production cross sections



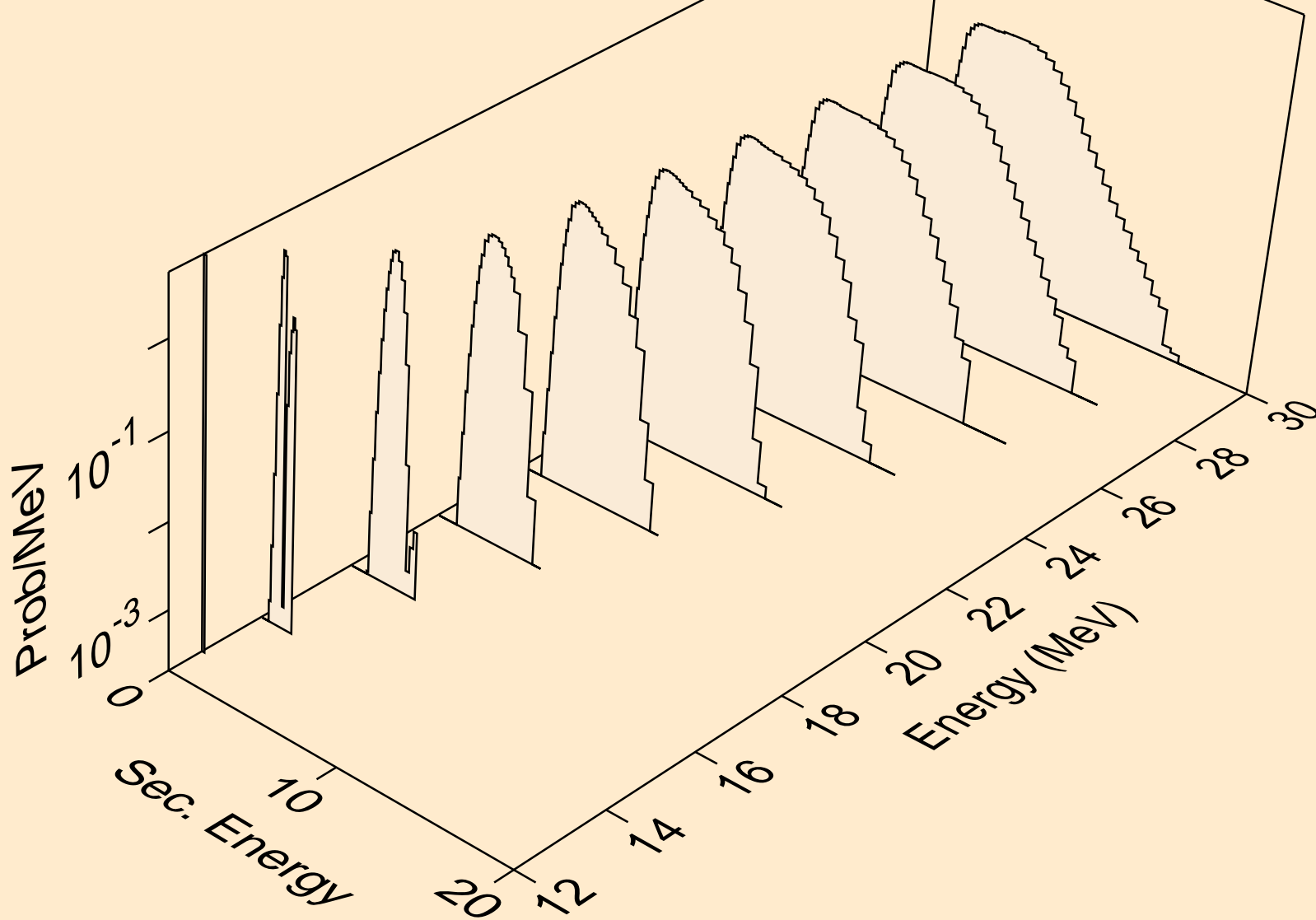
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,x)



I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,n\*)p

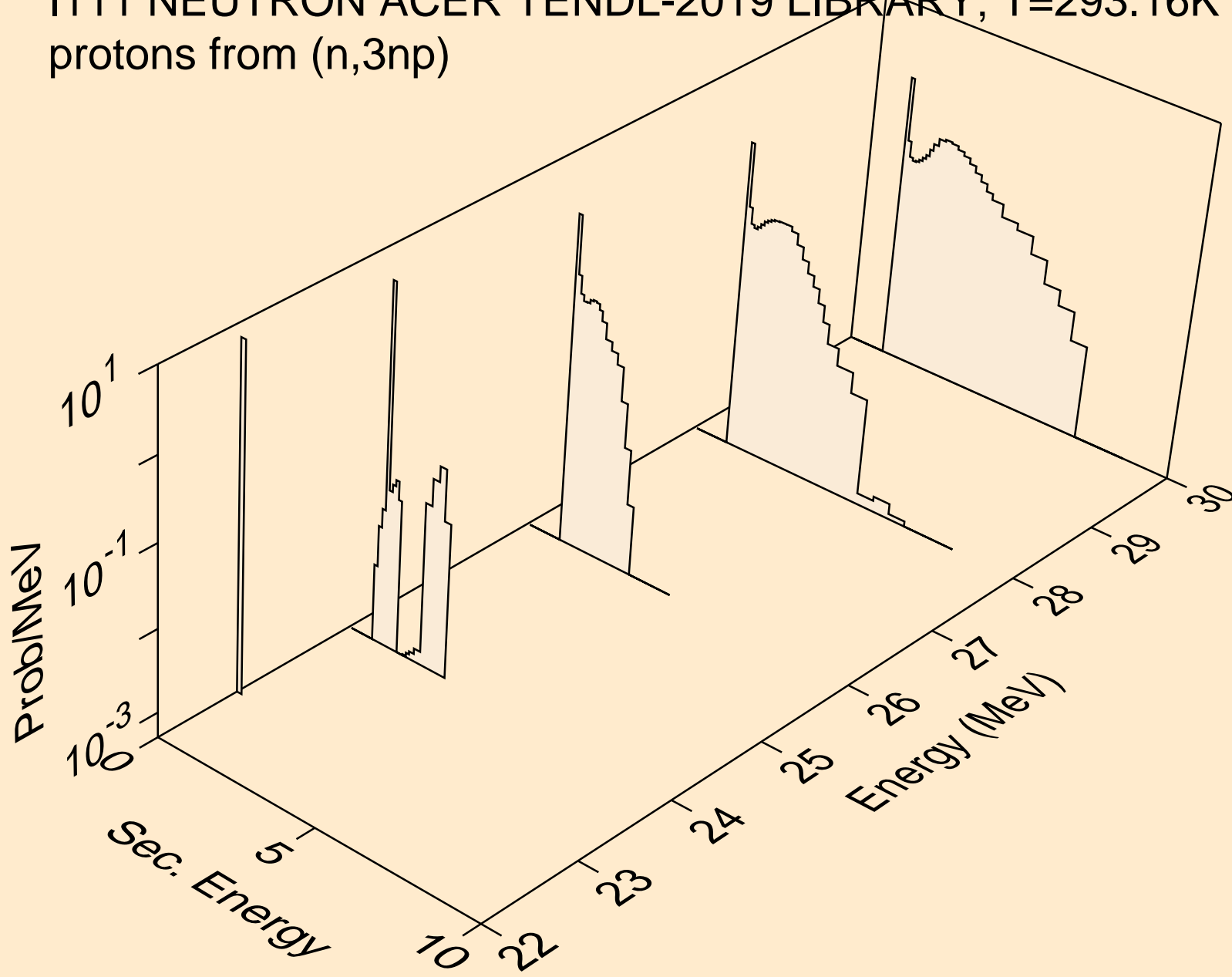


I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,2np)

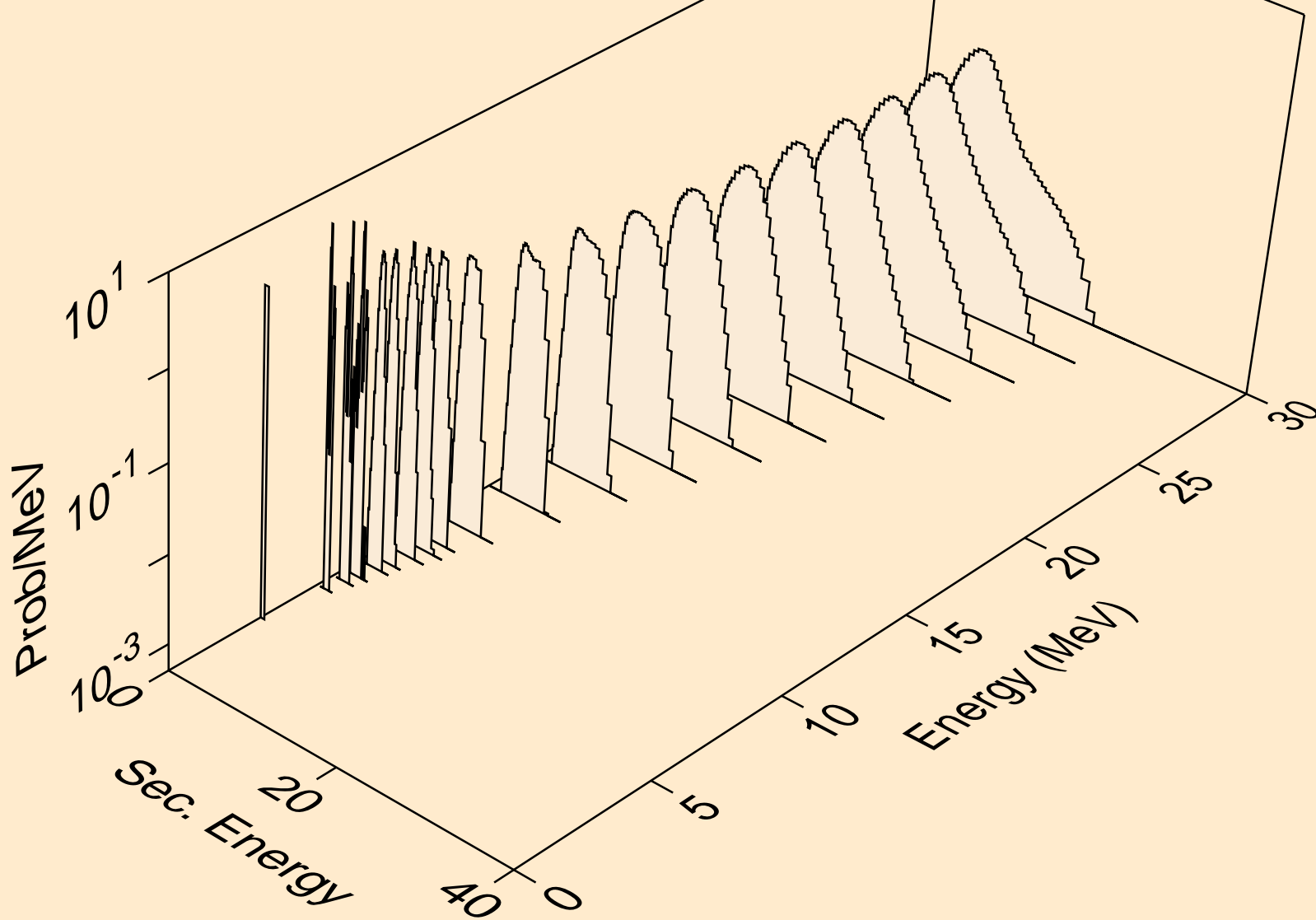




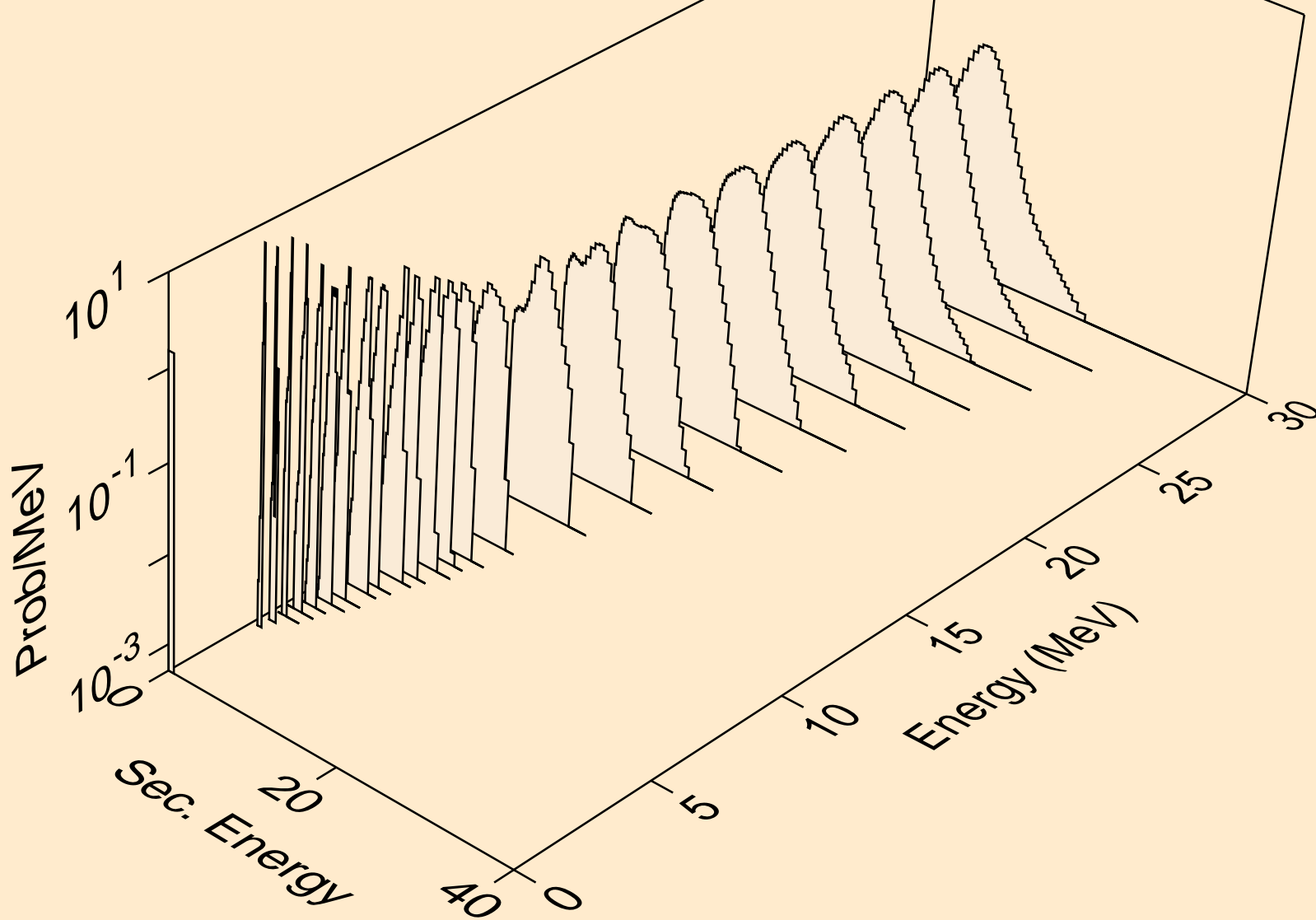
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,3np)



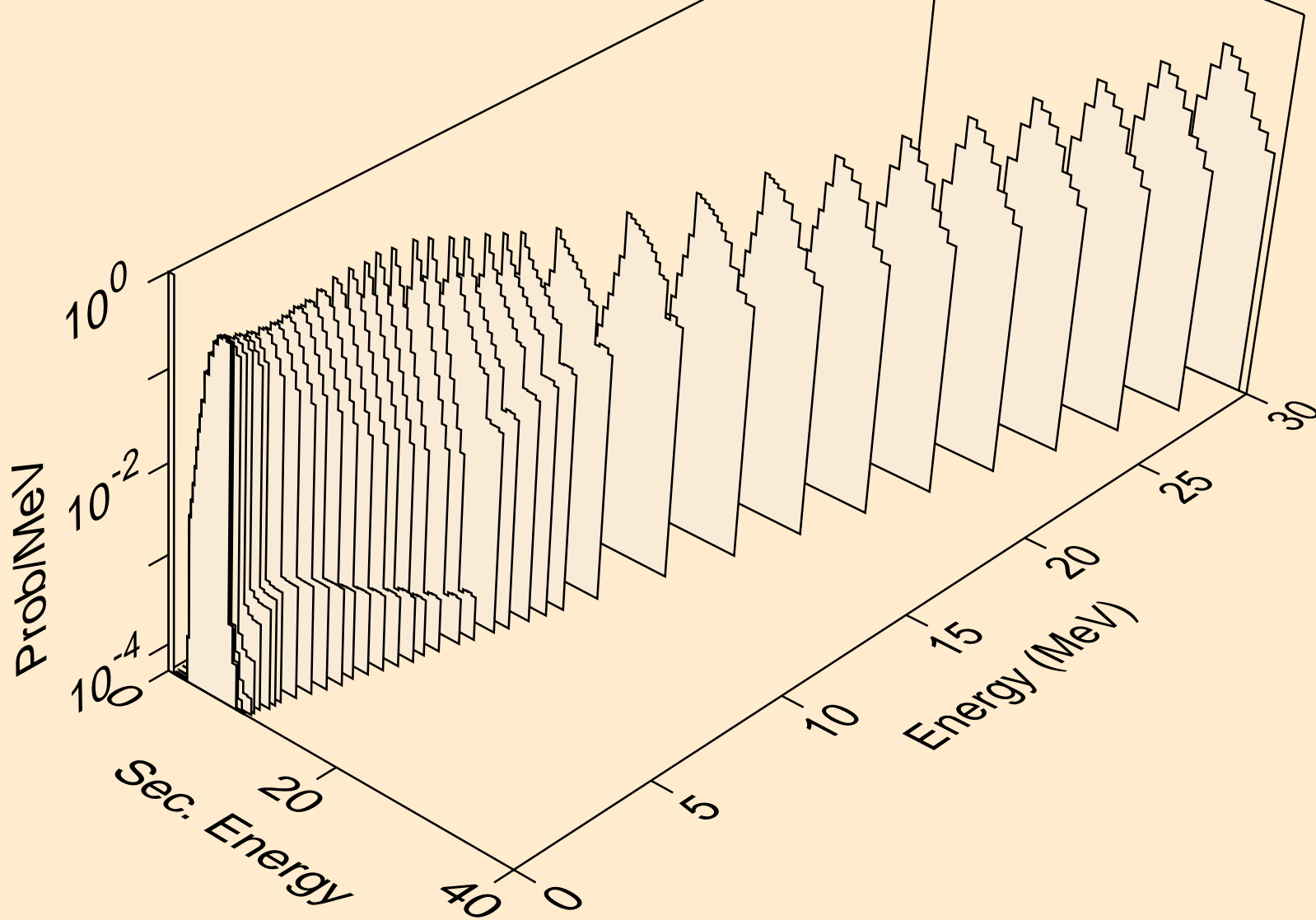
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,2np)



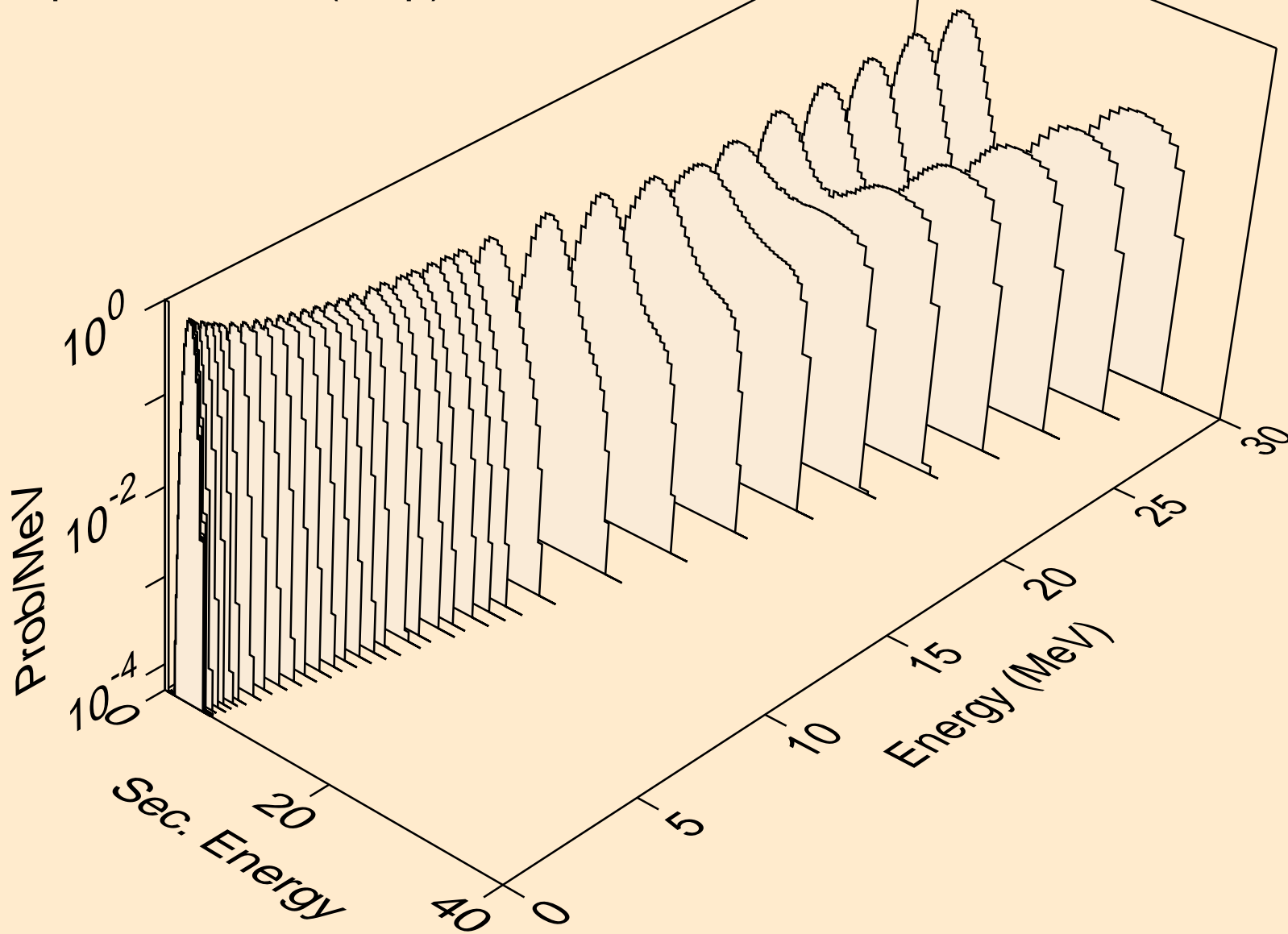
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,npa)



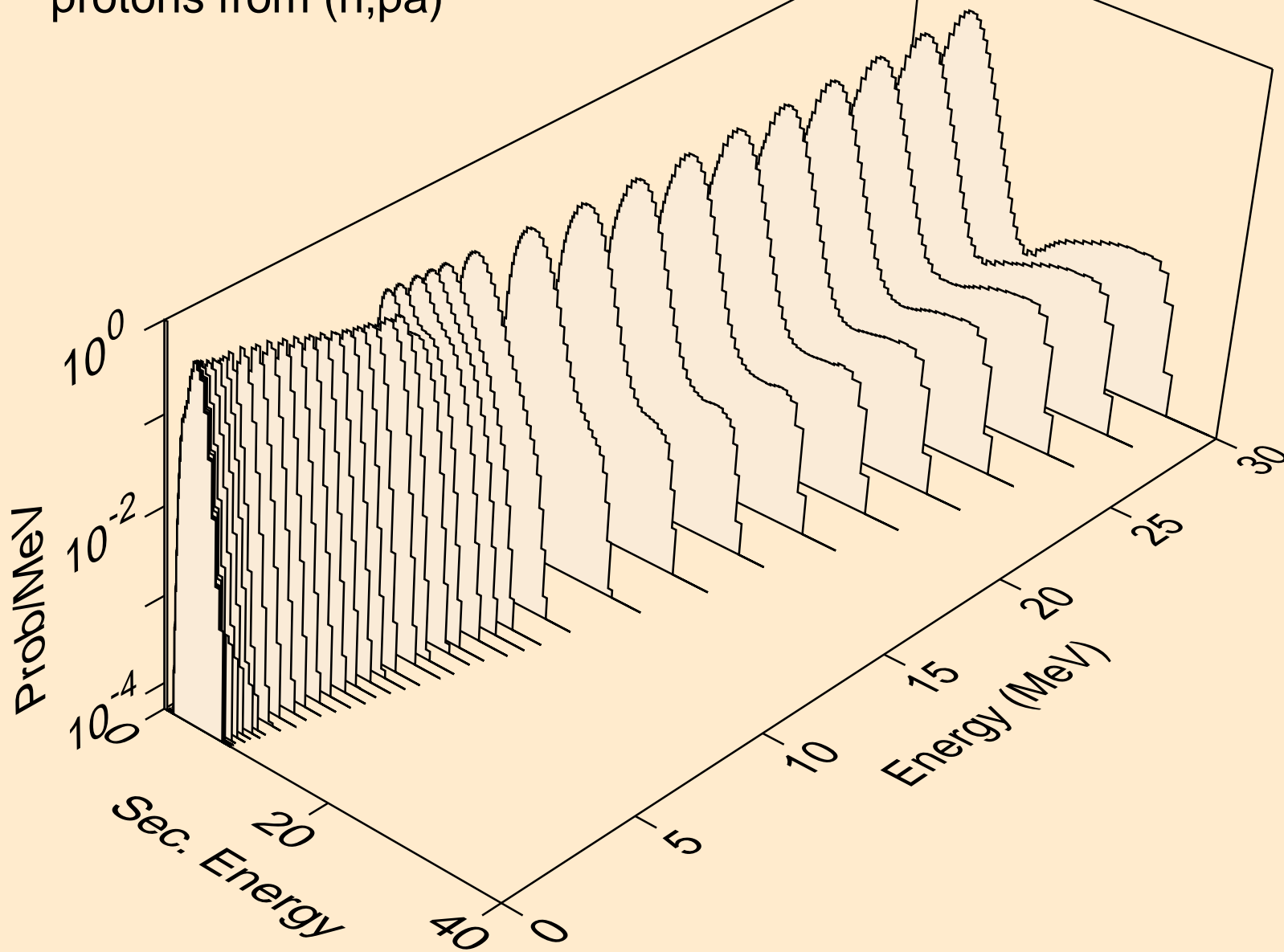
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,p)



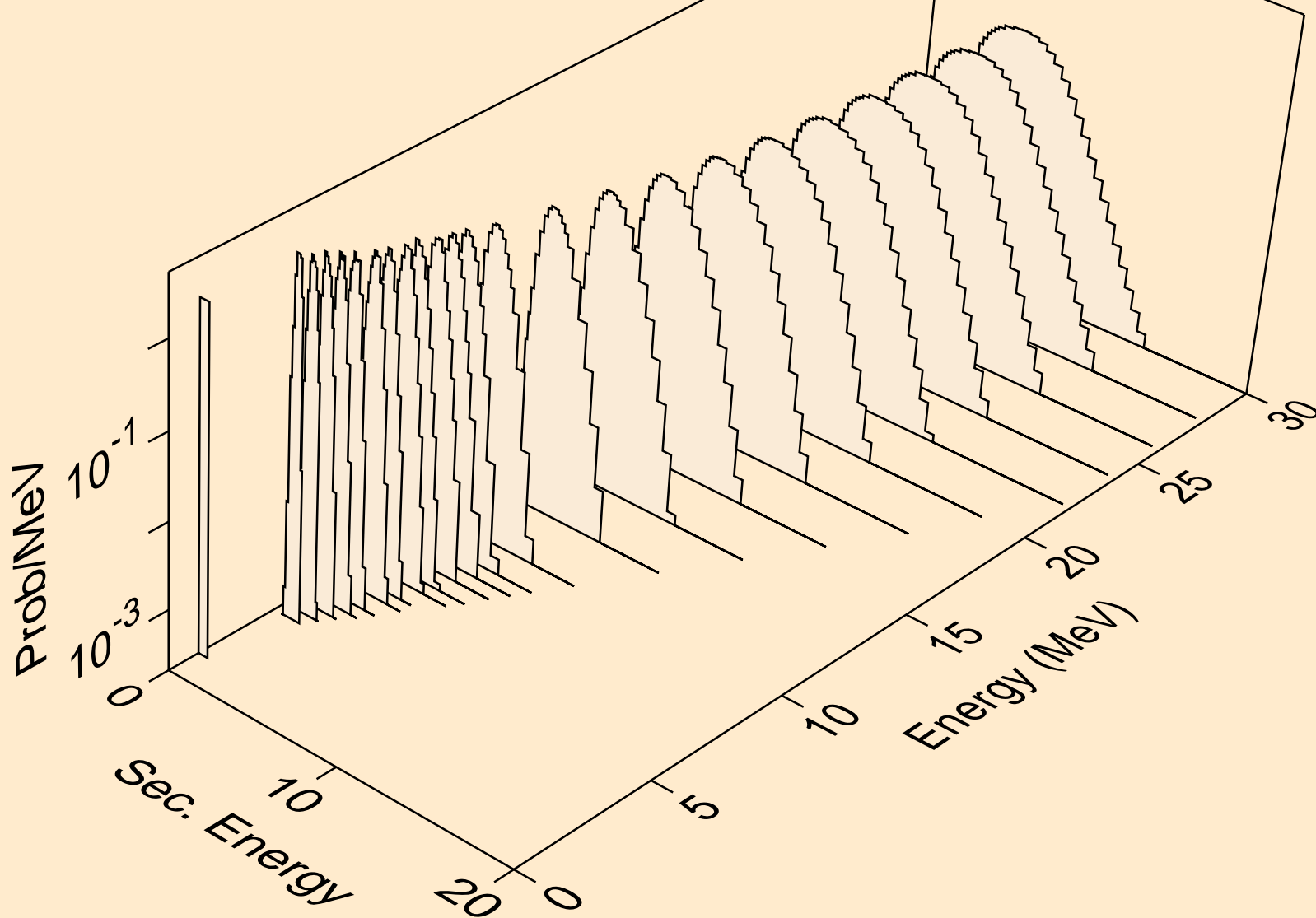
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,2p)



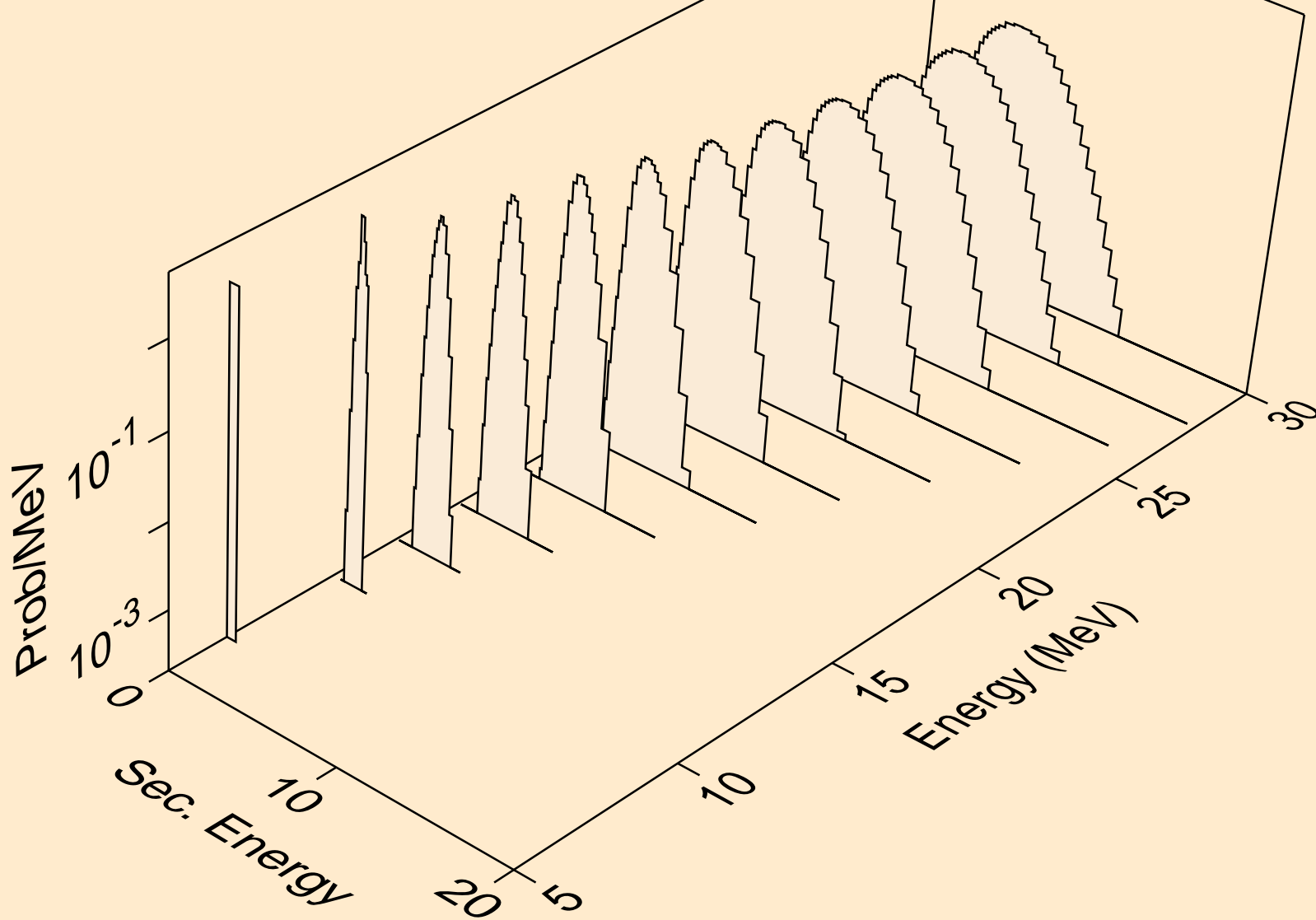
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,p)



I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,pd)

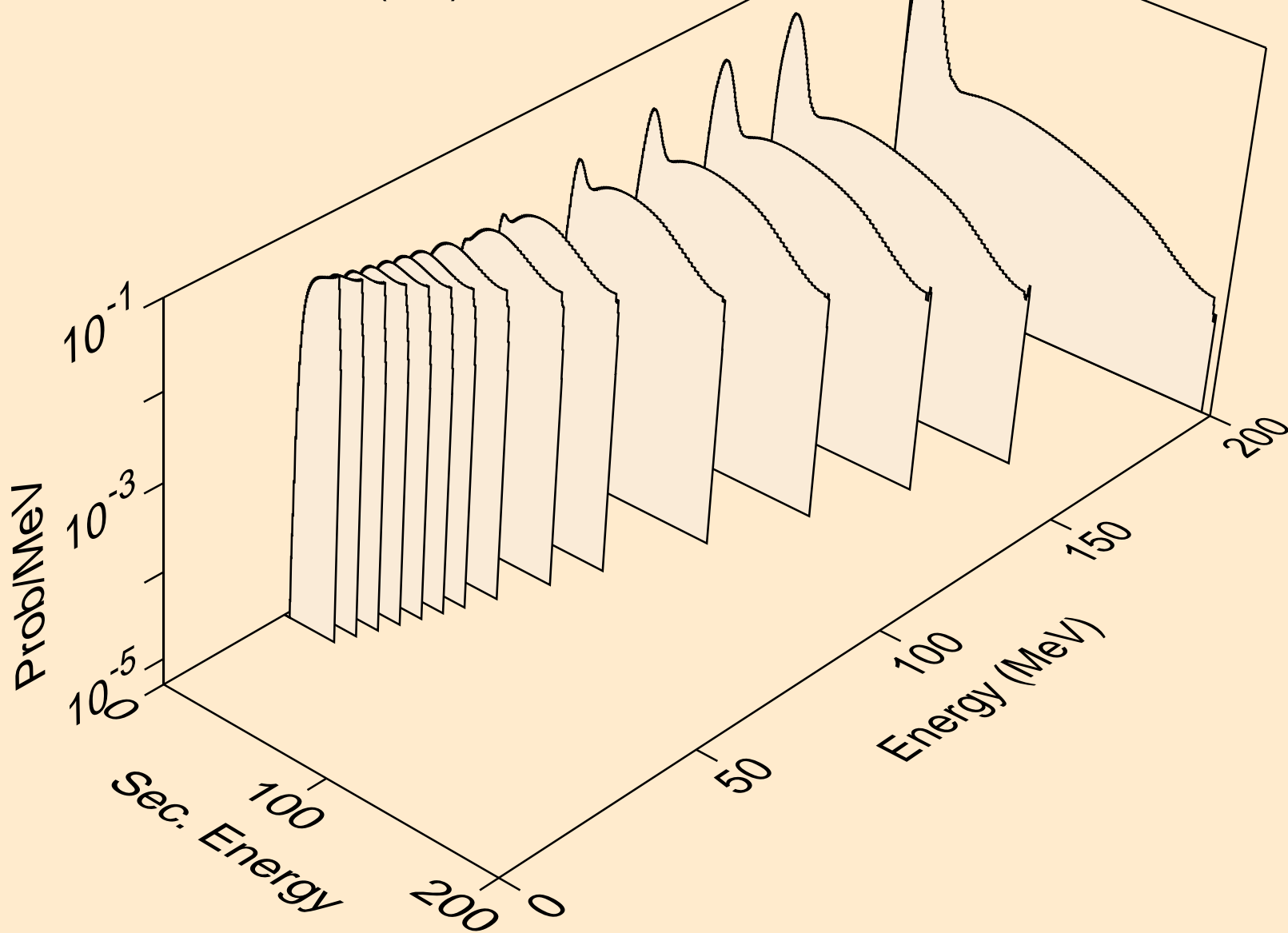


I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,pt)

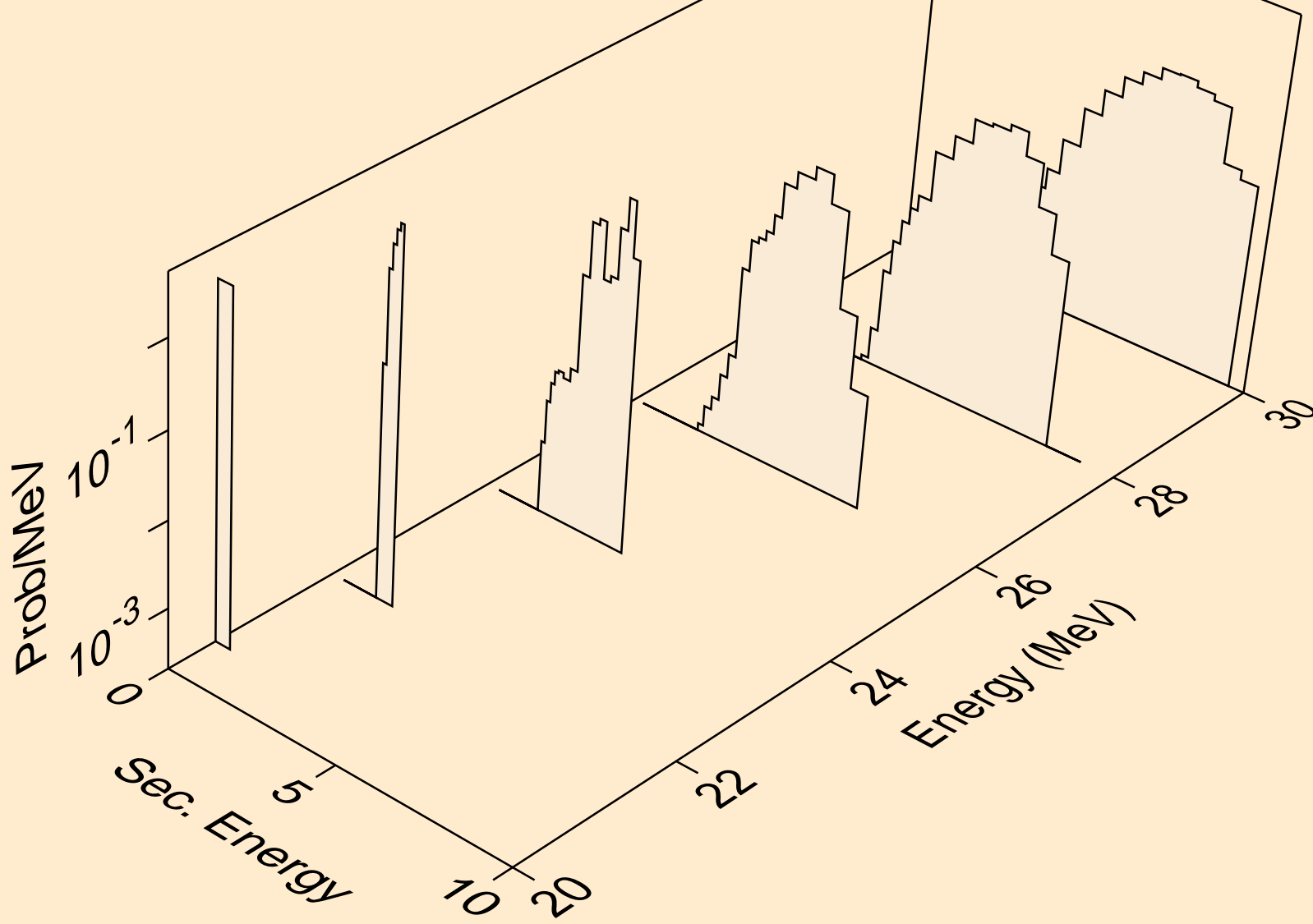




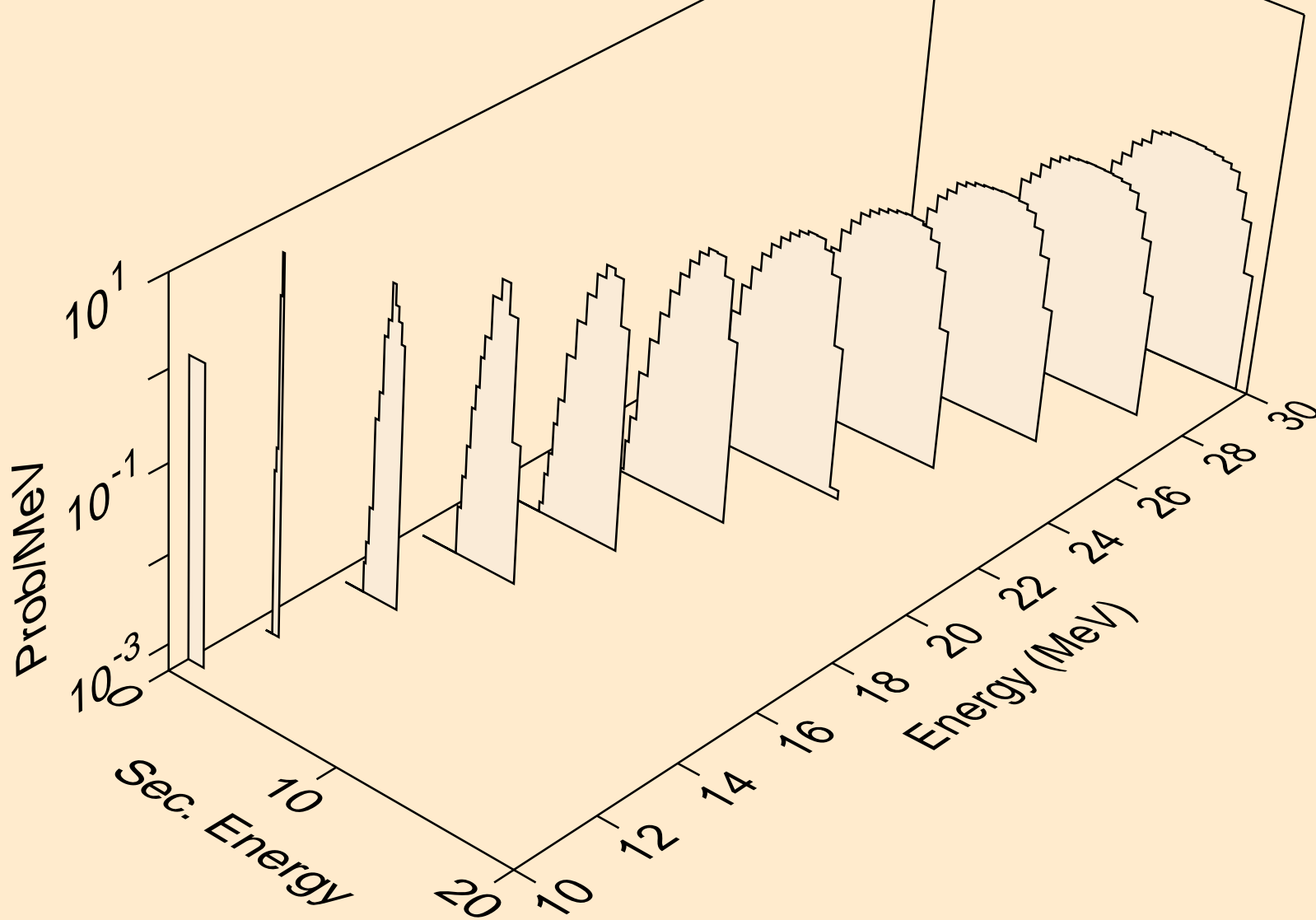
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,x)



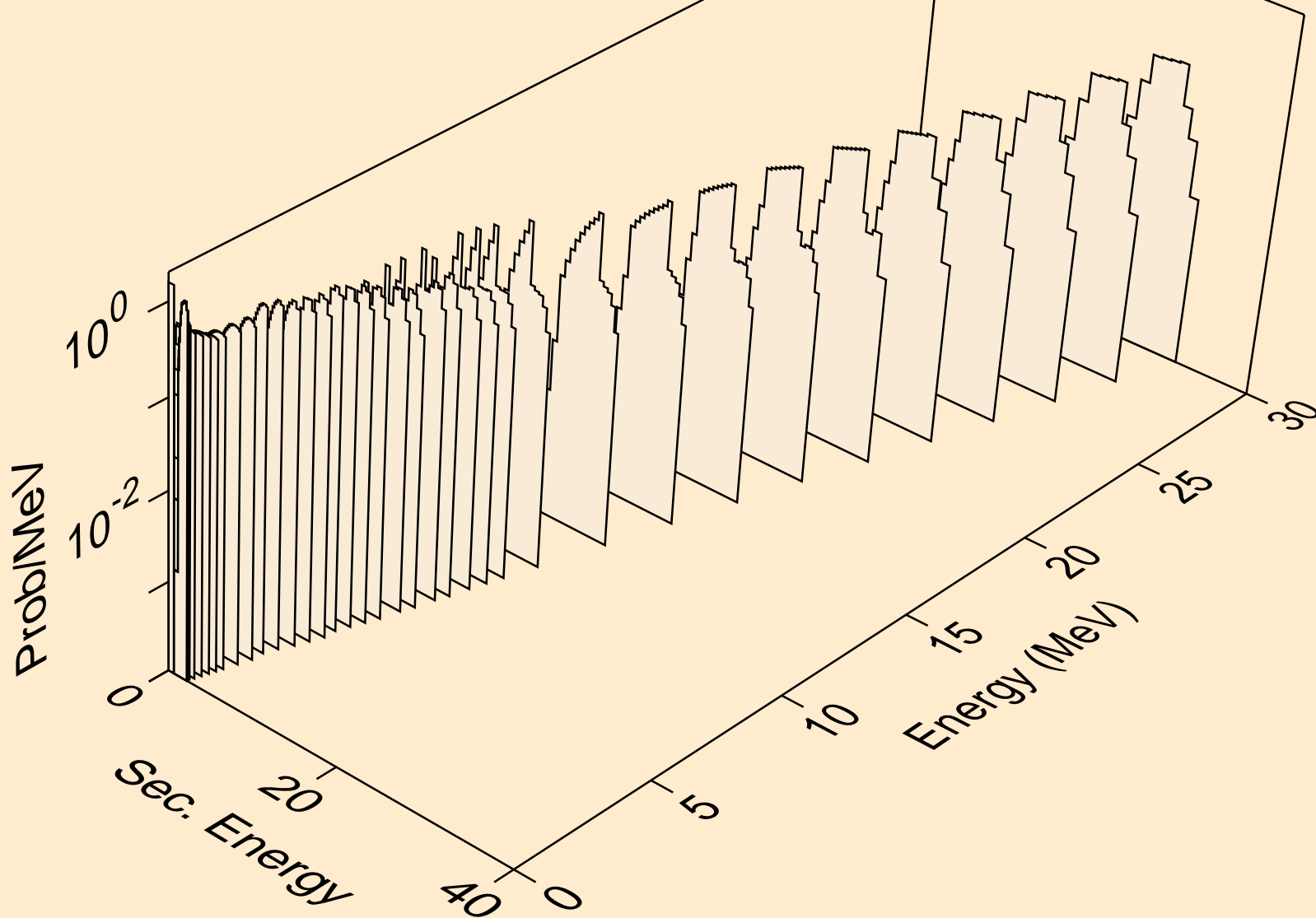
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,2nd)



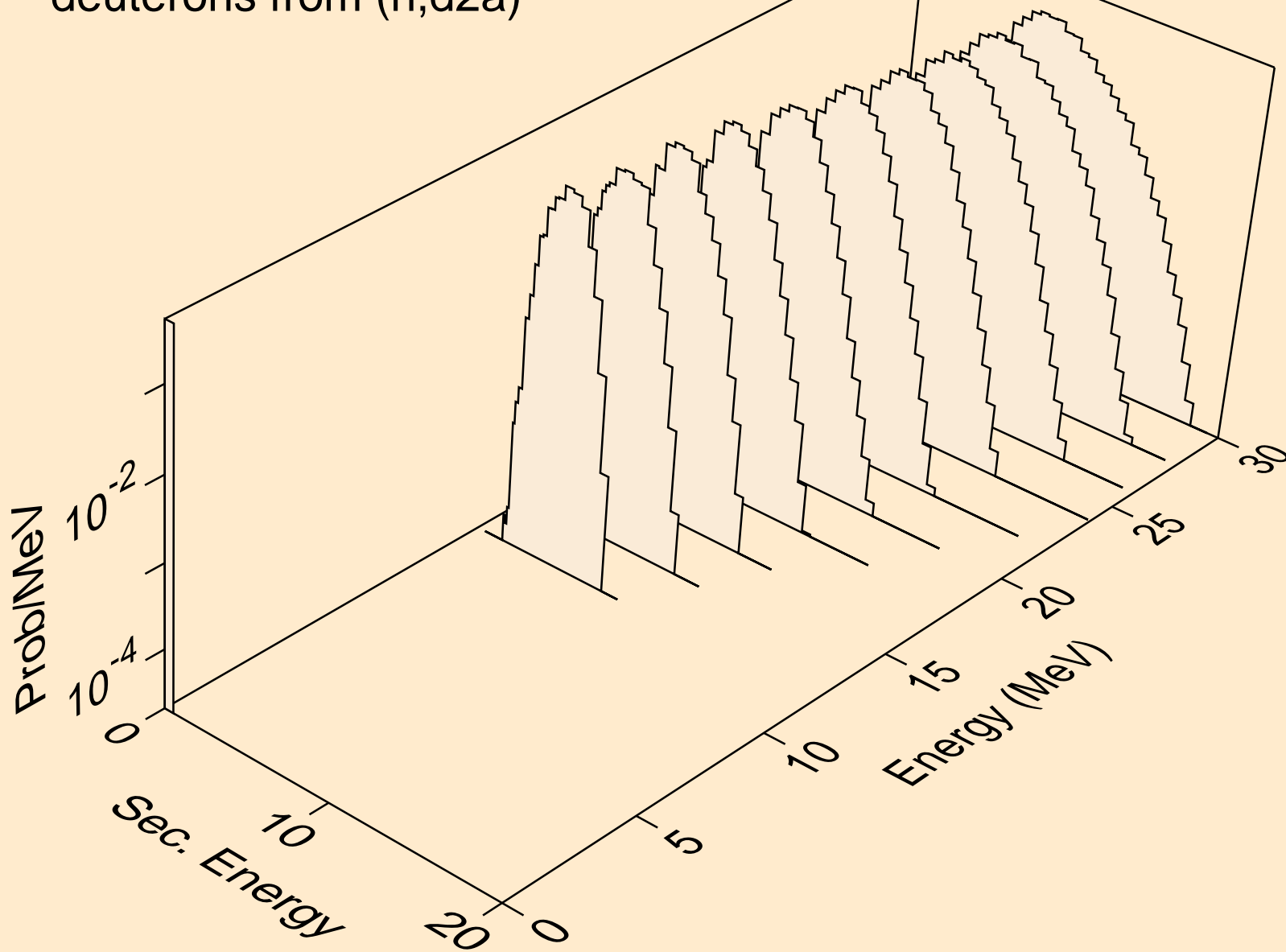
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,n\*)d



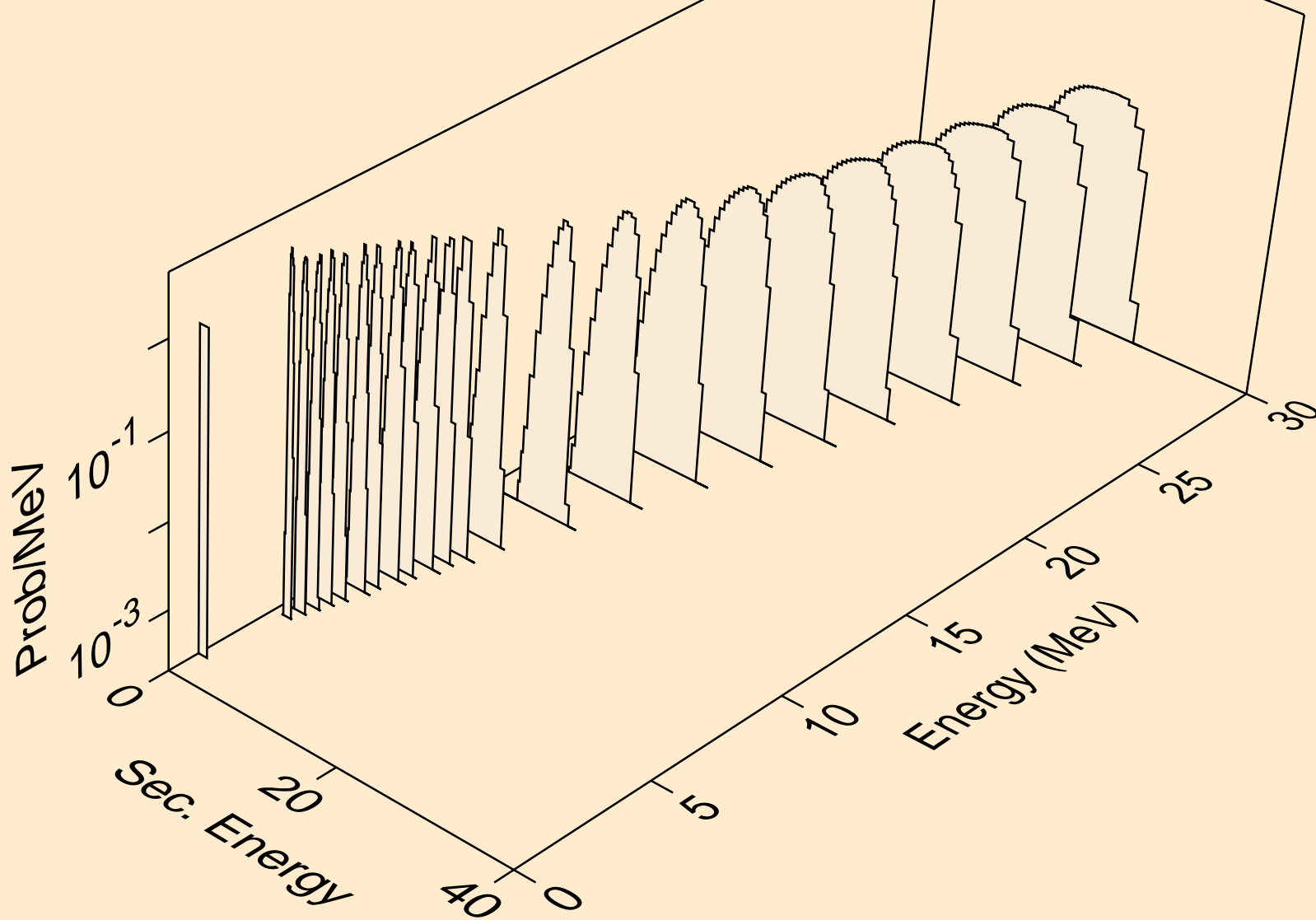
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,d)



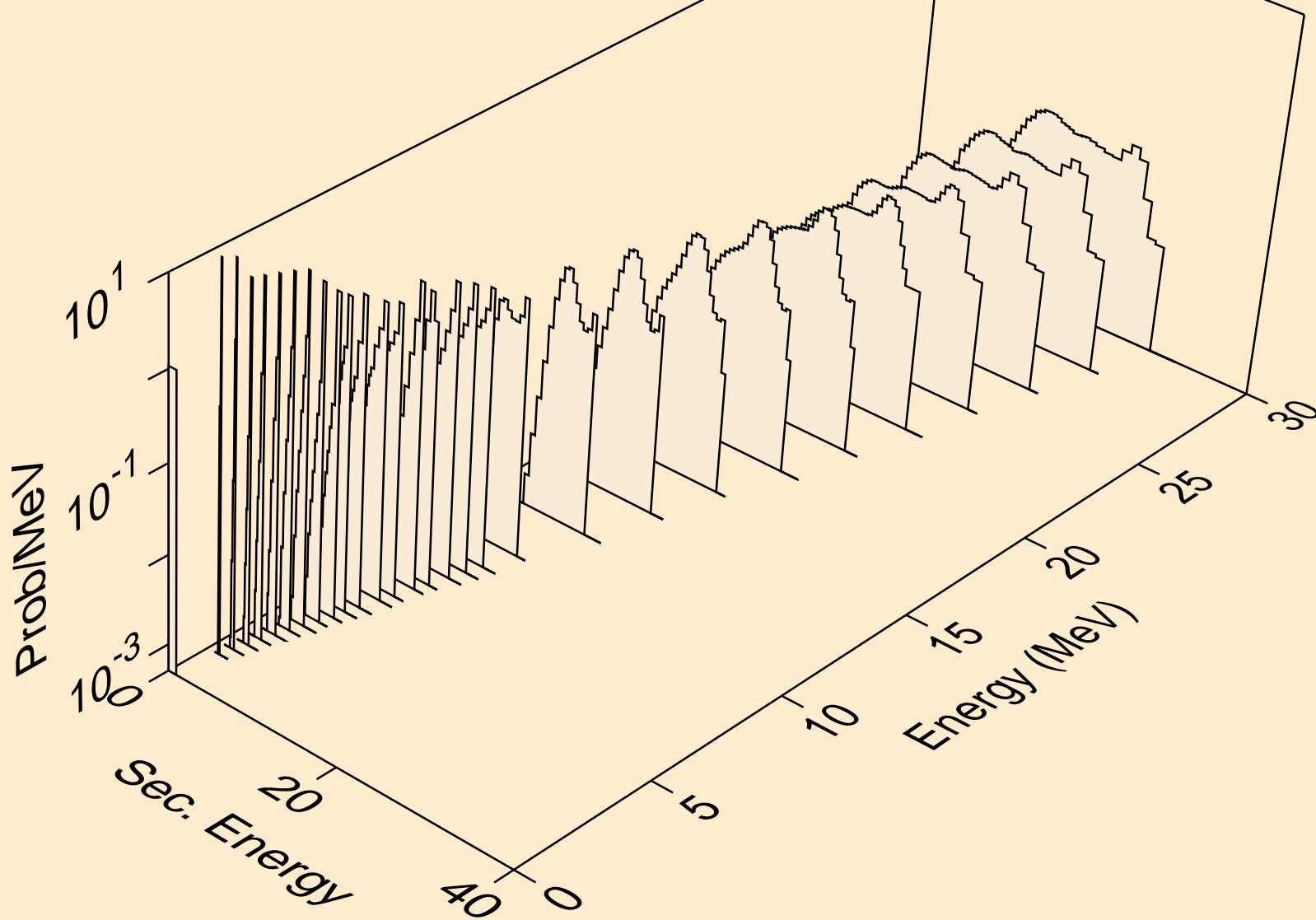
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,d2a)



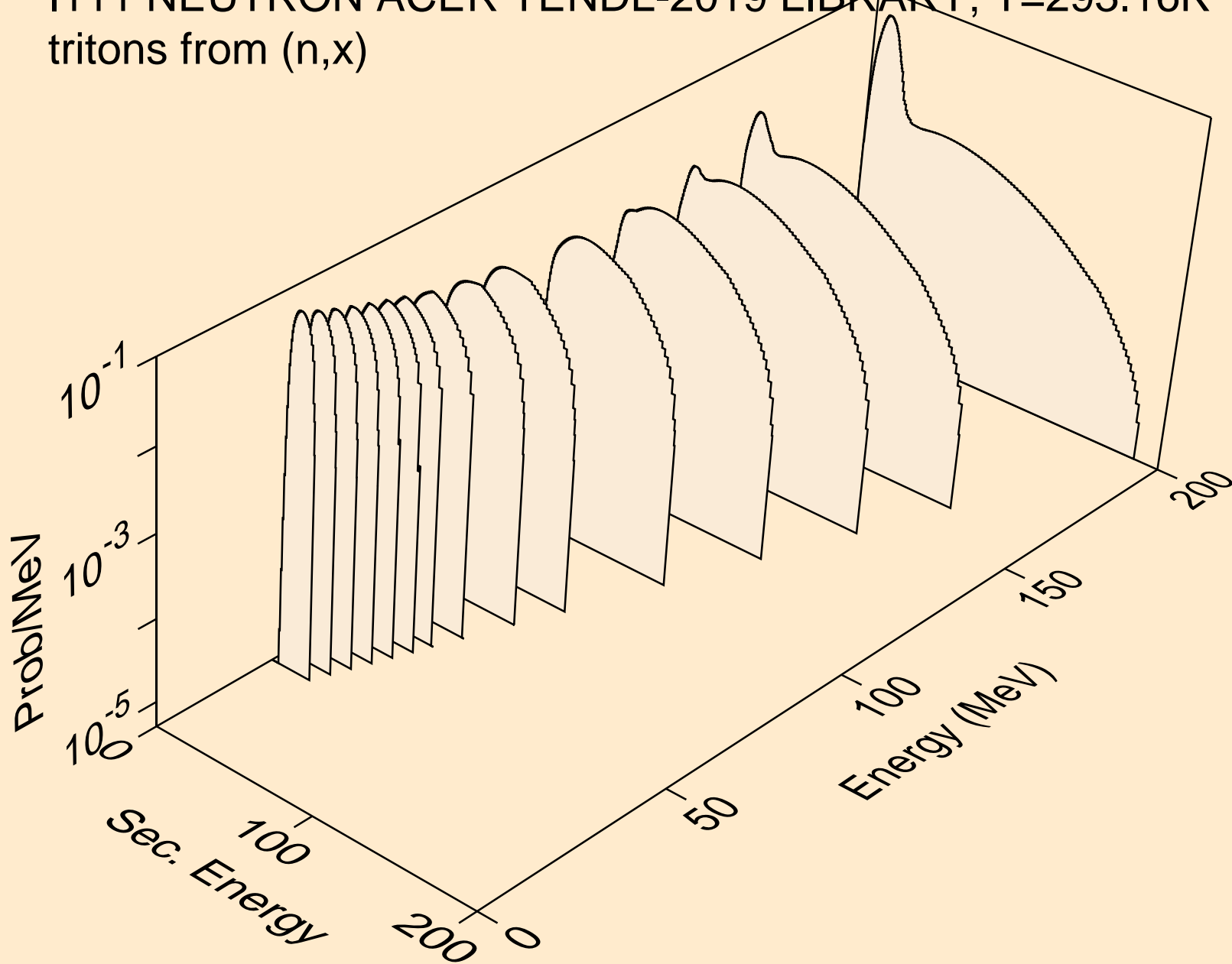
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,pd)



I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,da)

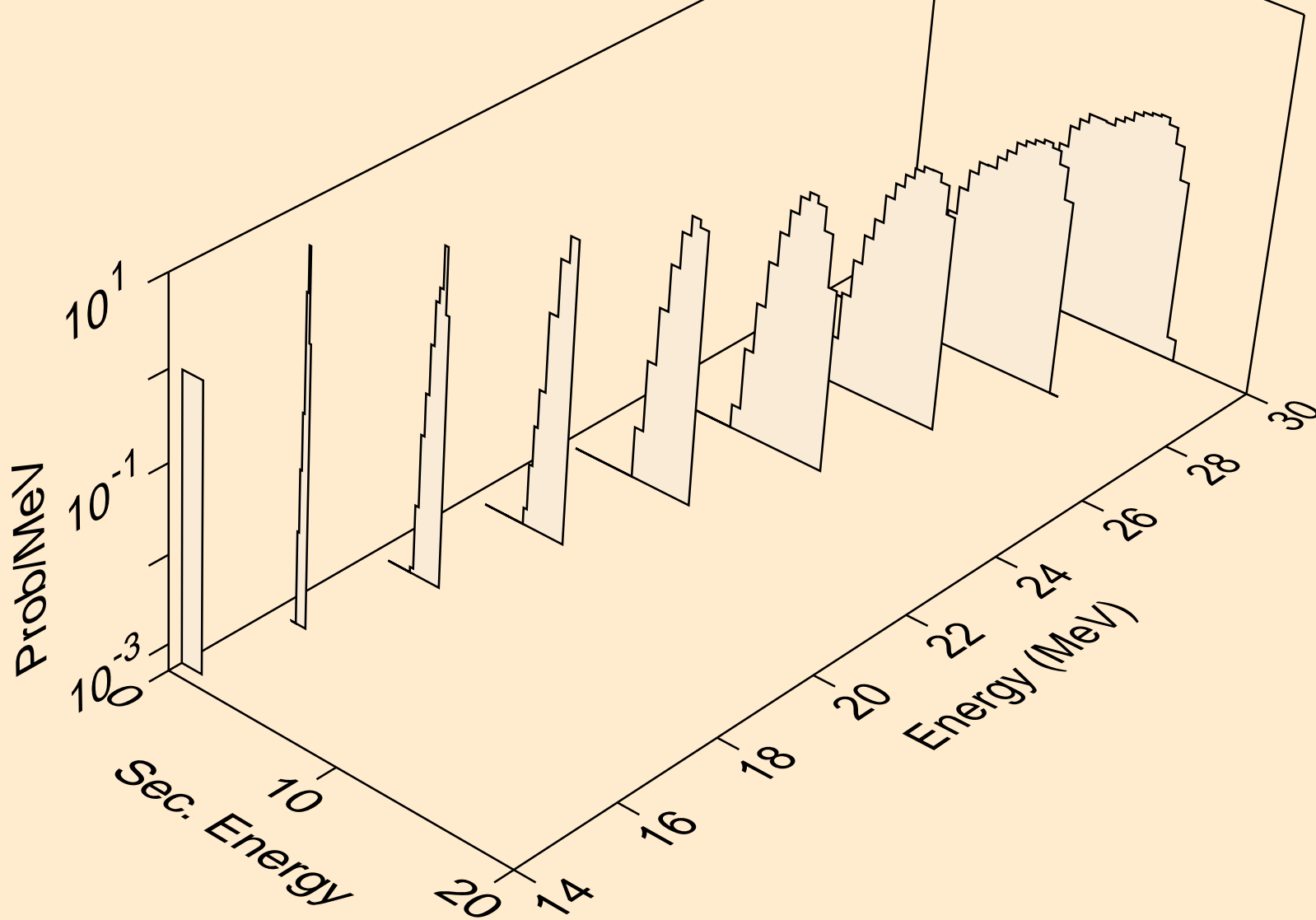


I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,x)

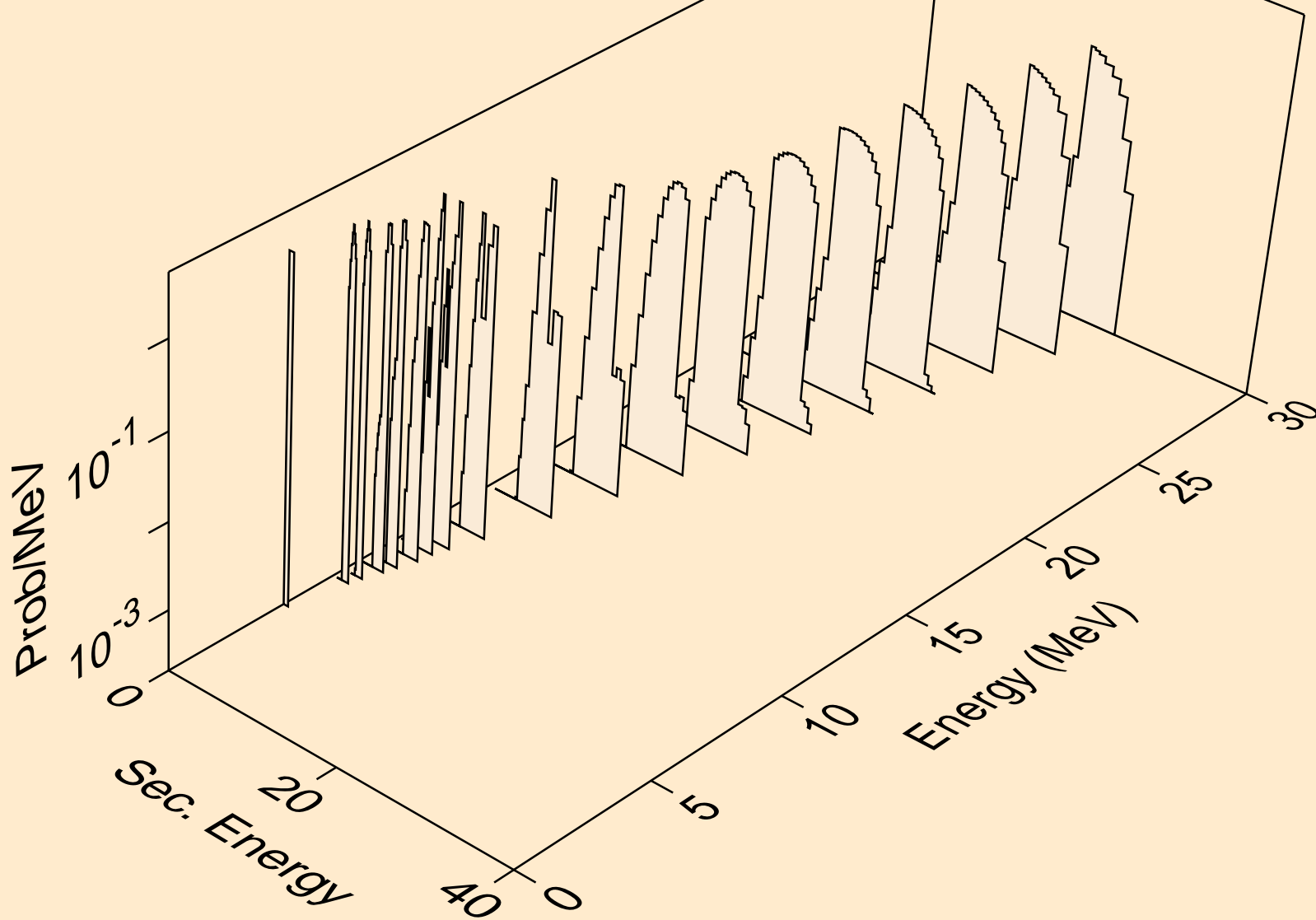




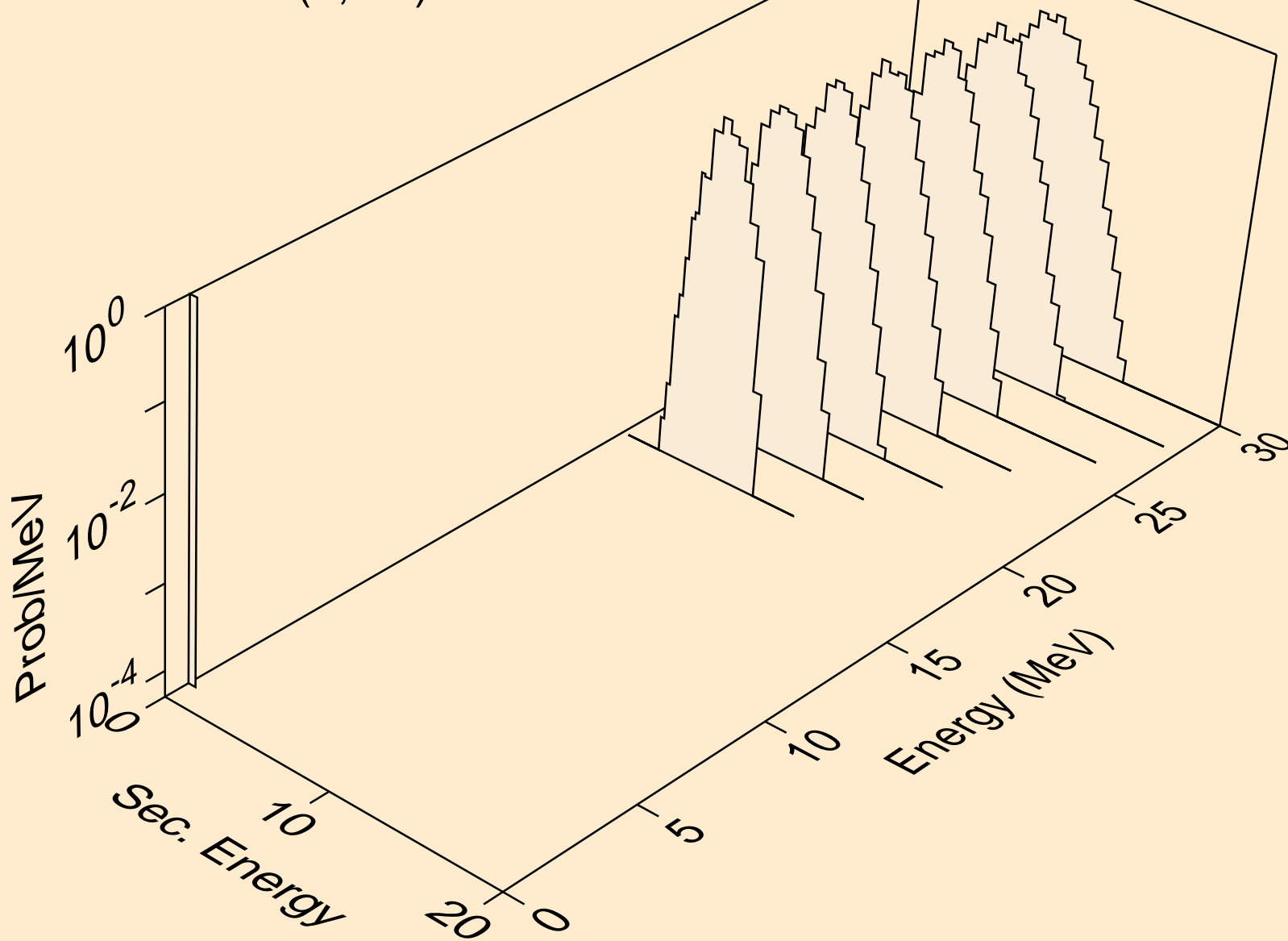
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,n\*)t



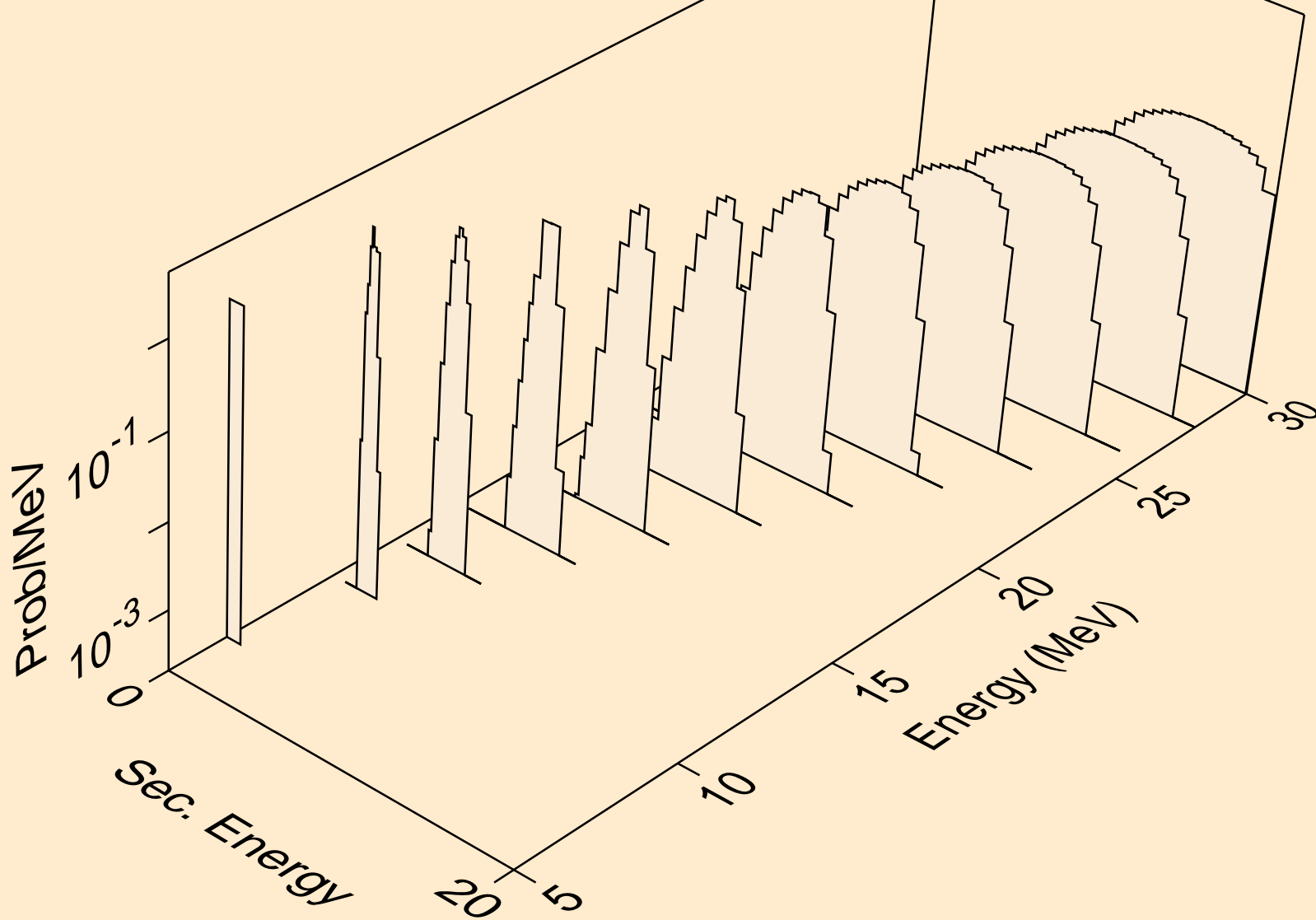
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,t)



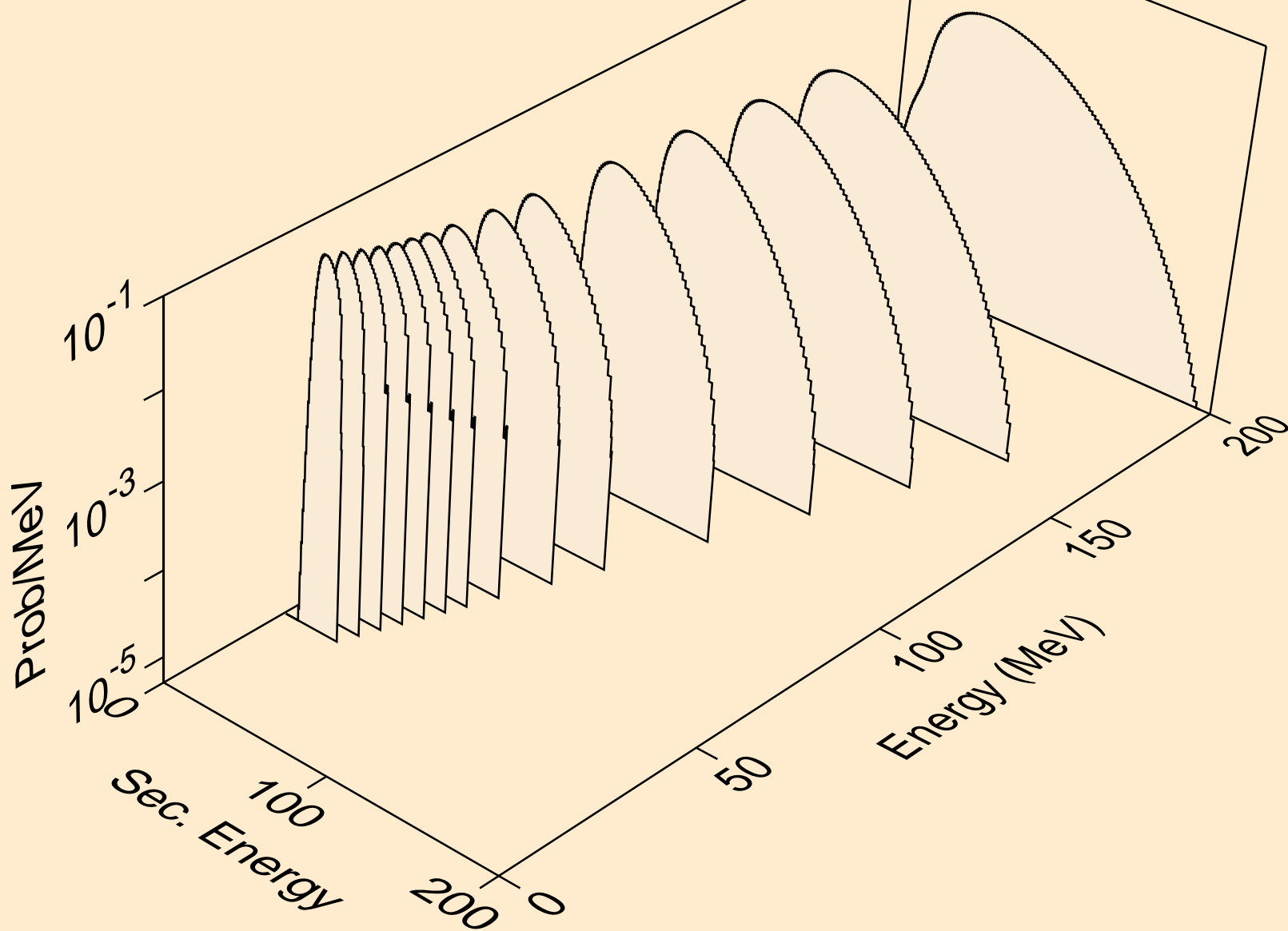
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,t2a)



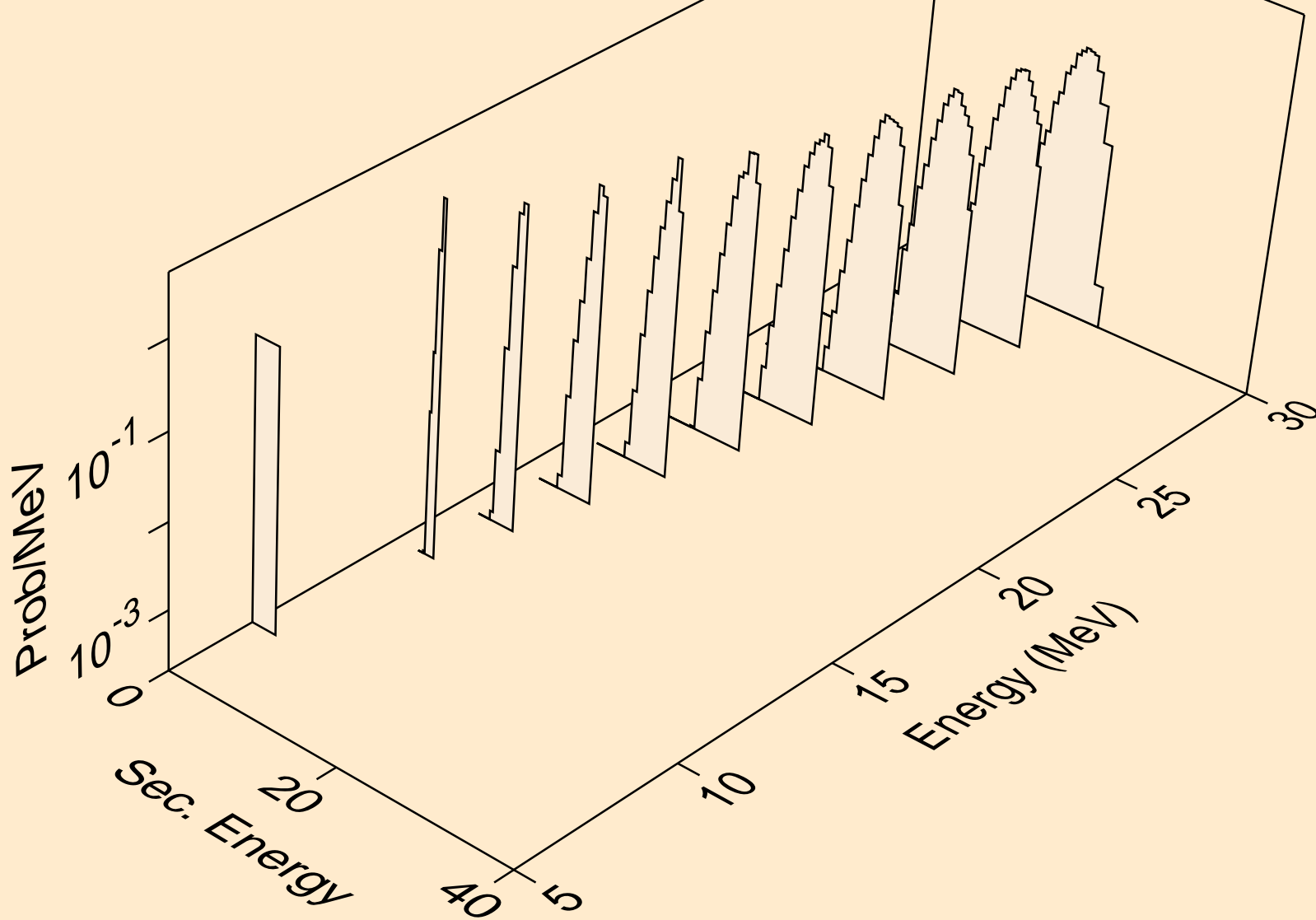
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,pt)



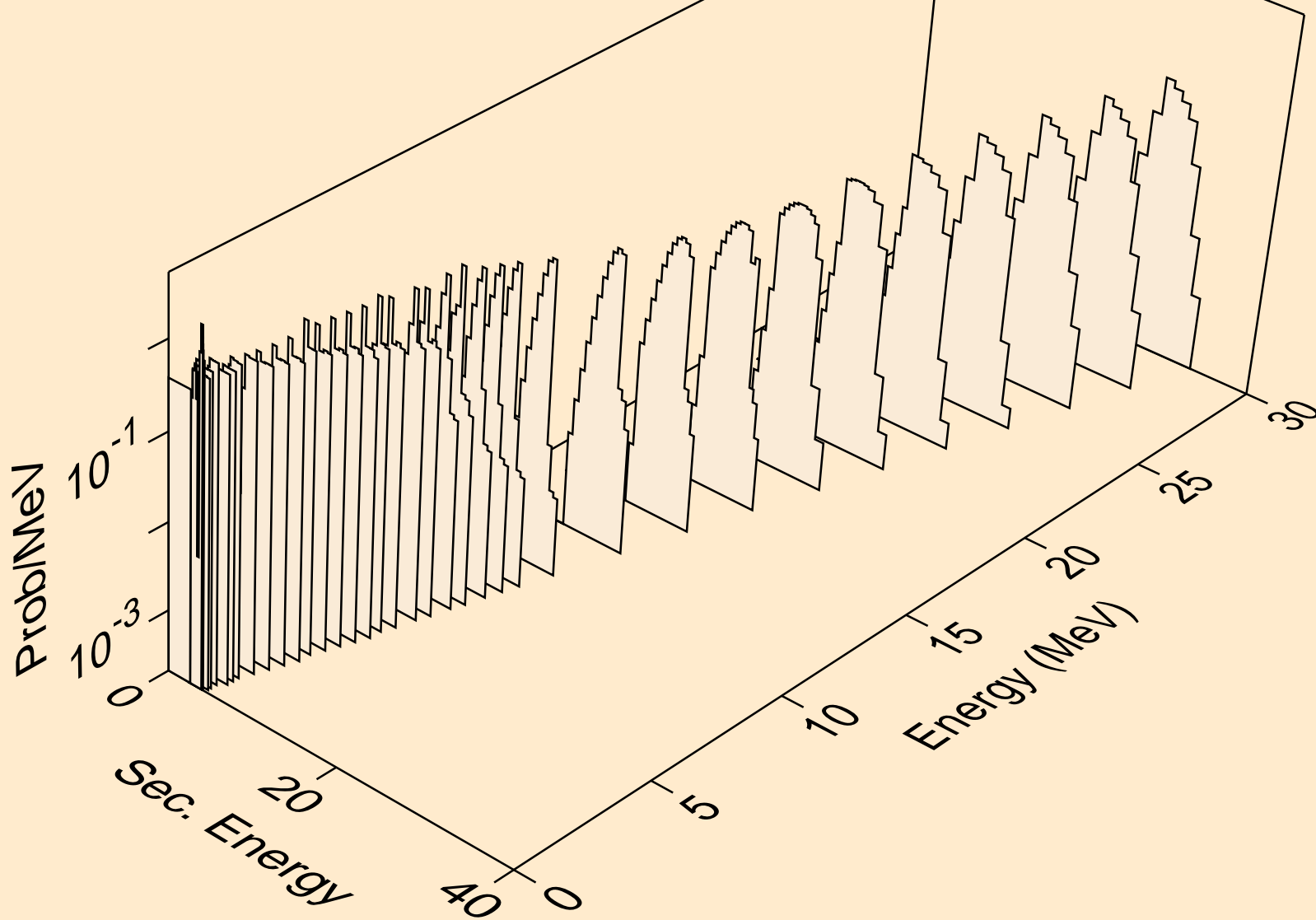
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,x)



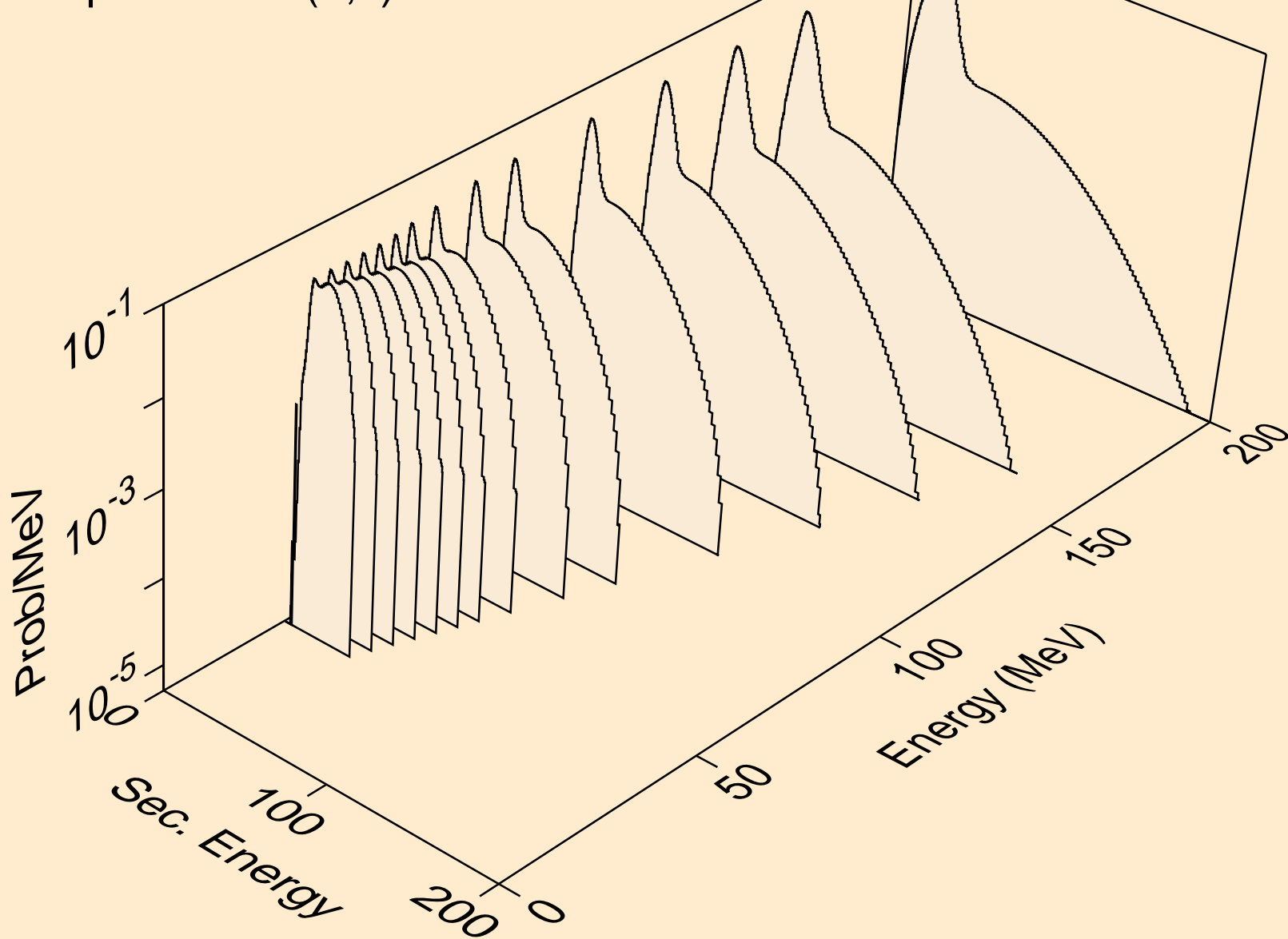
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,n\*)he3



I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,he3)

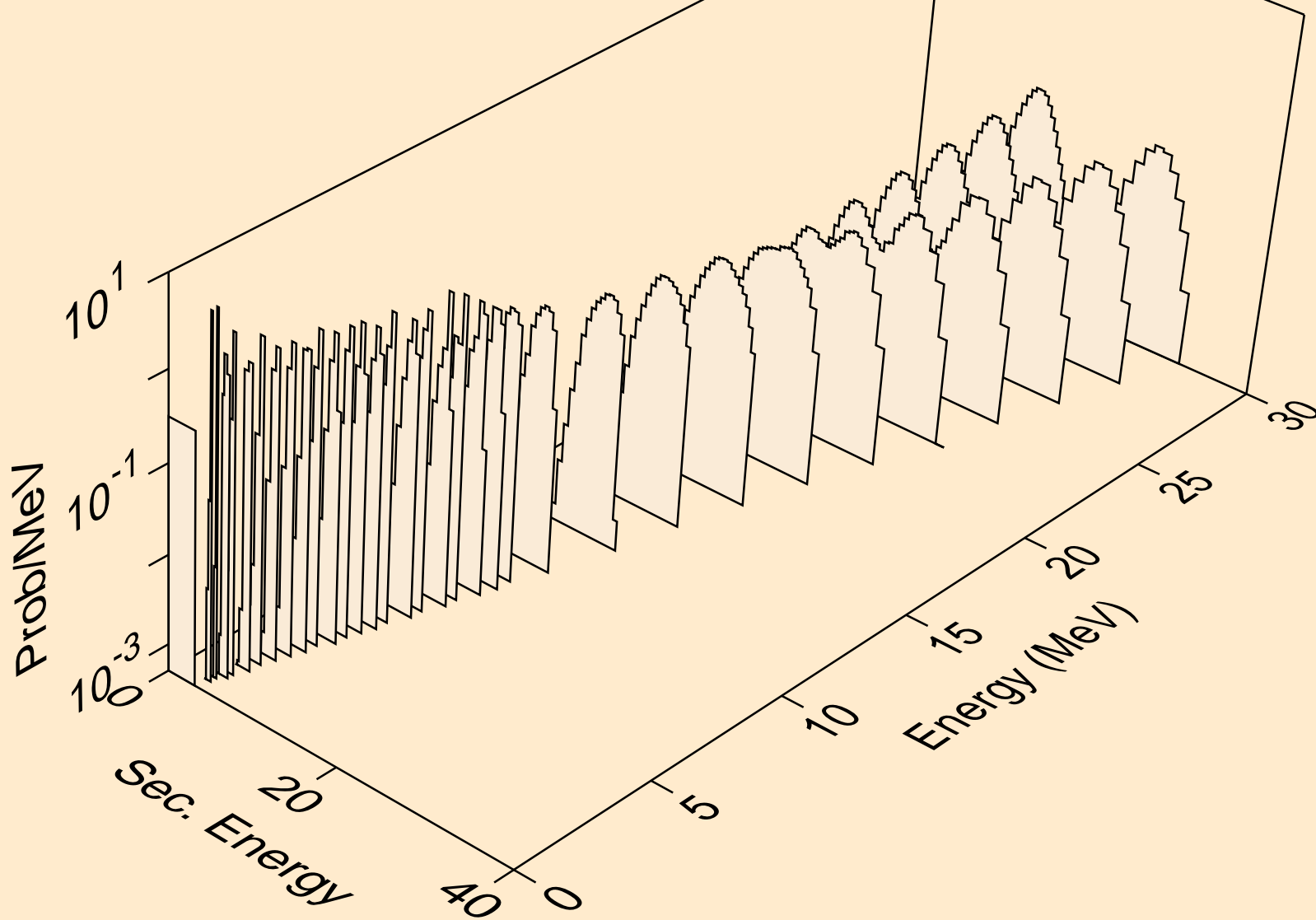


I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,x)

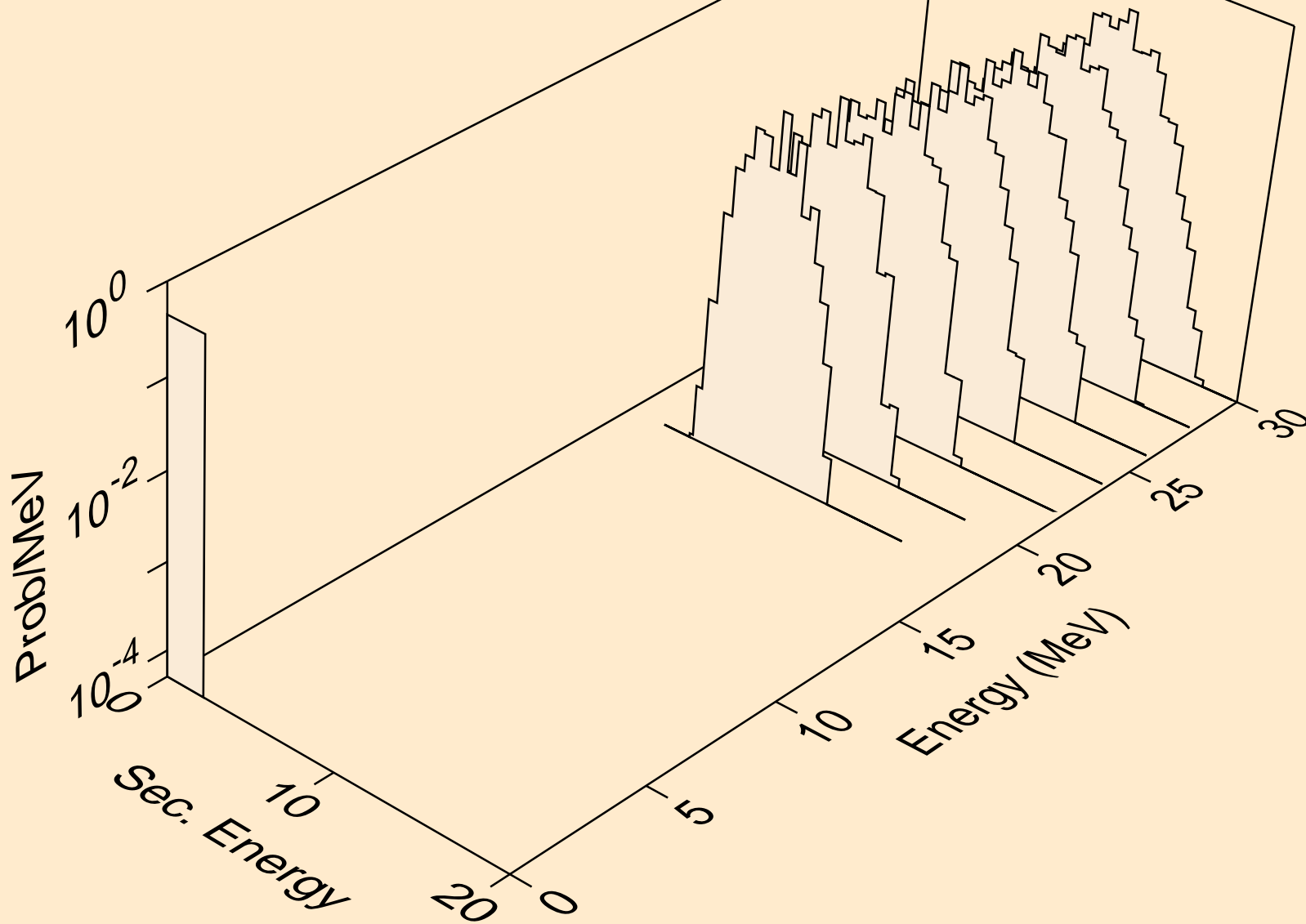




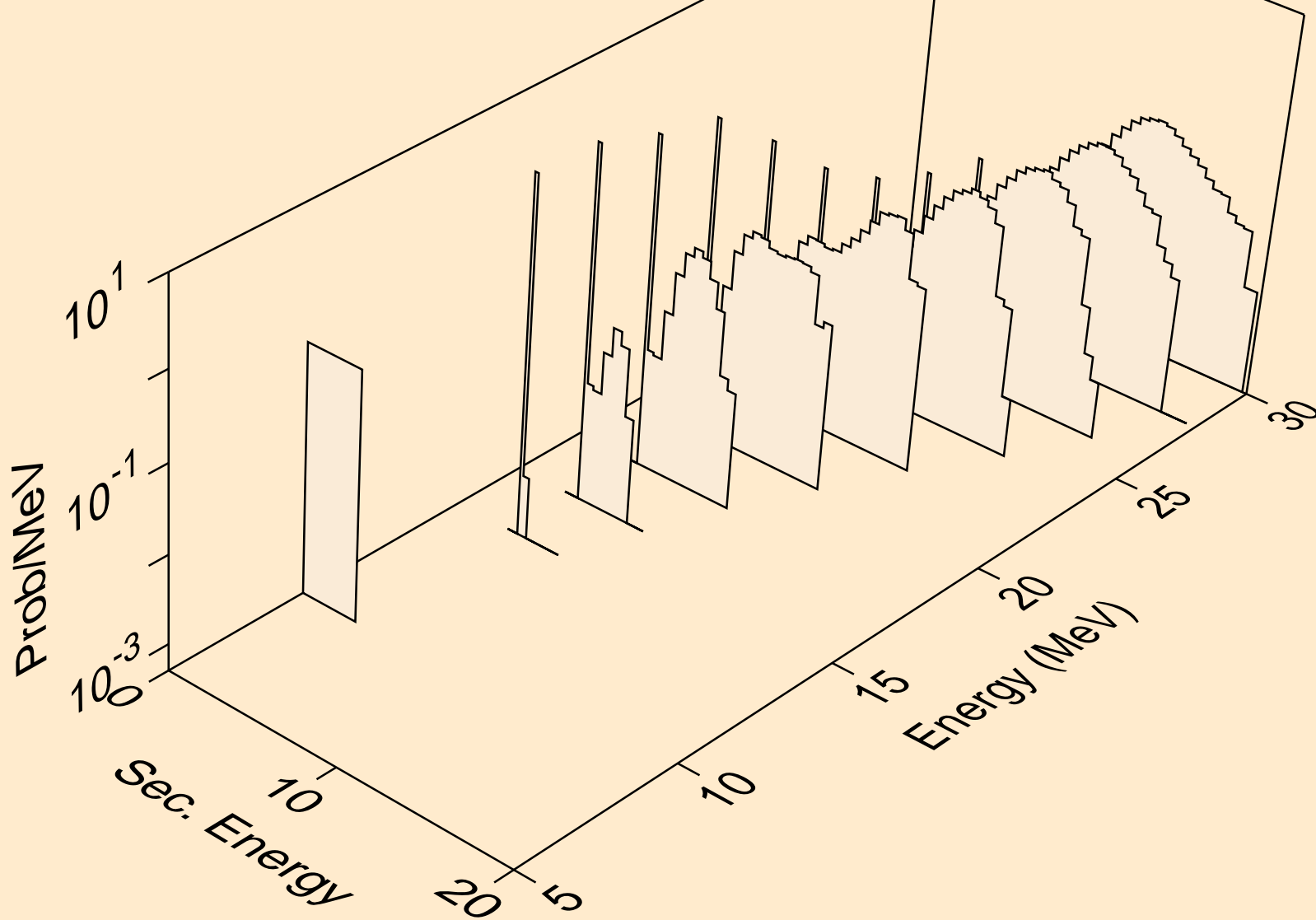
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)a



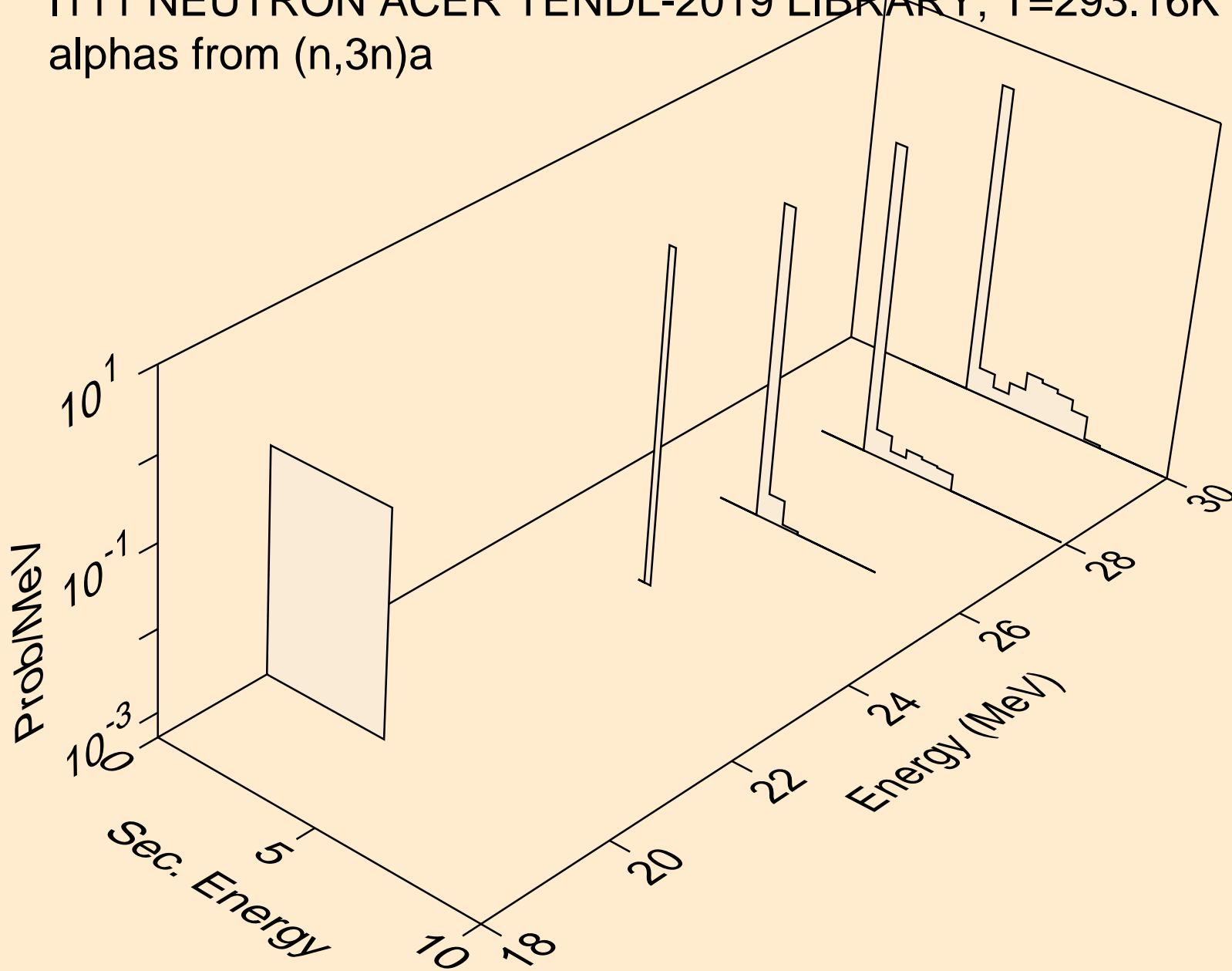
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)3a



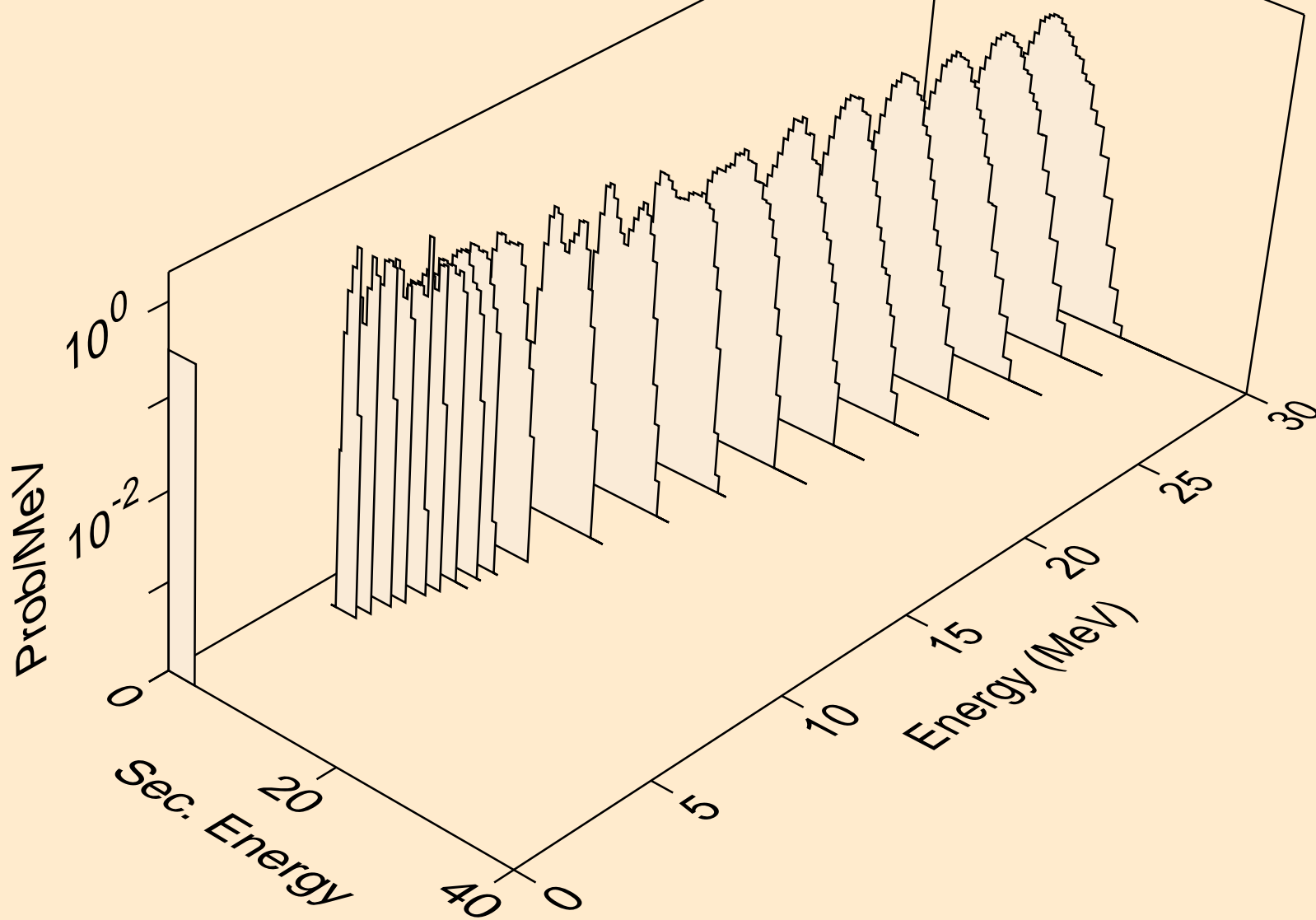
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2n)a



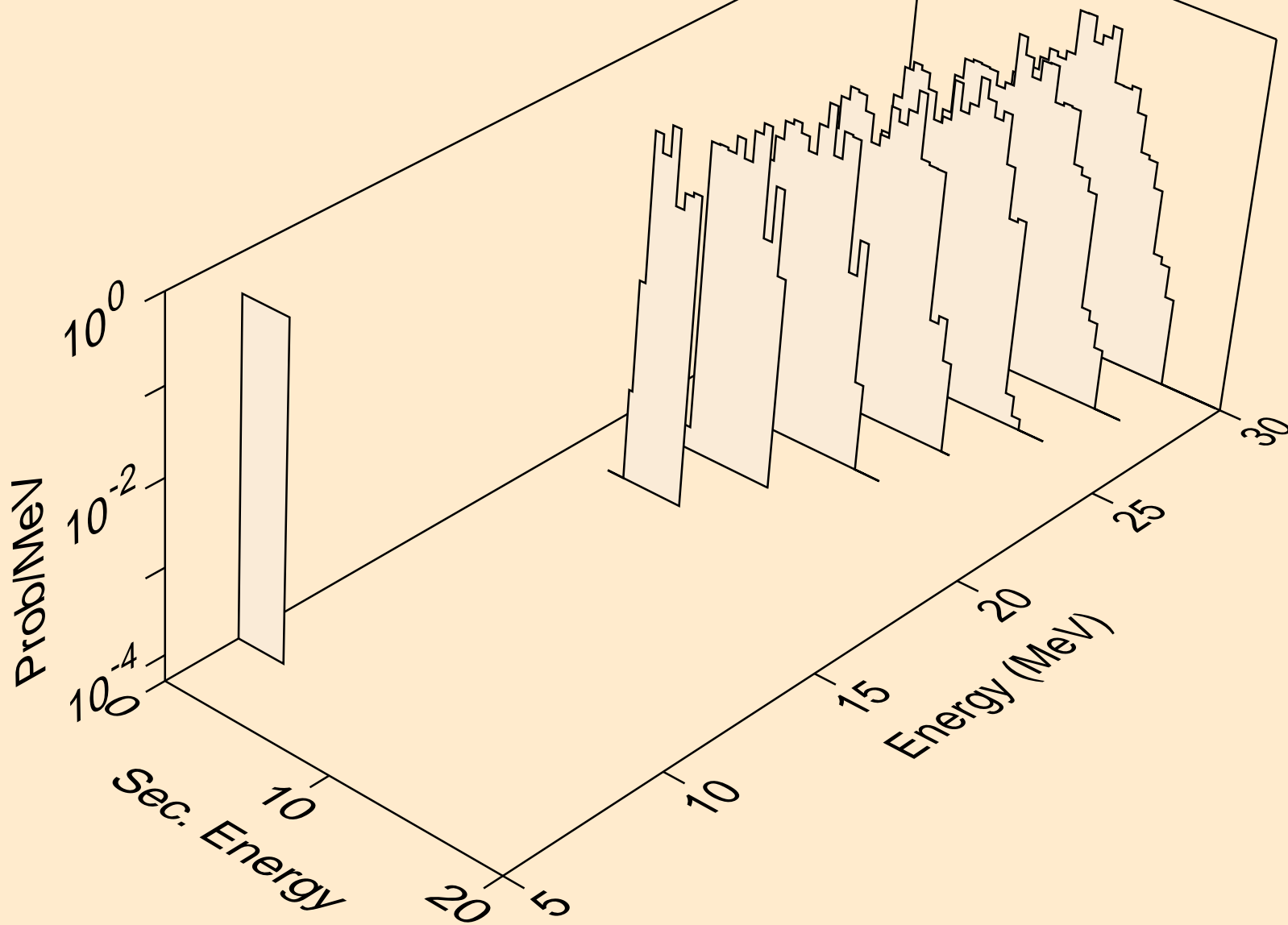
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,3n)a



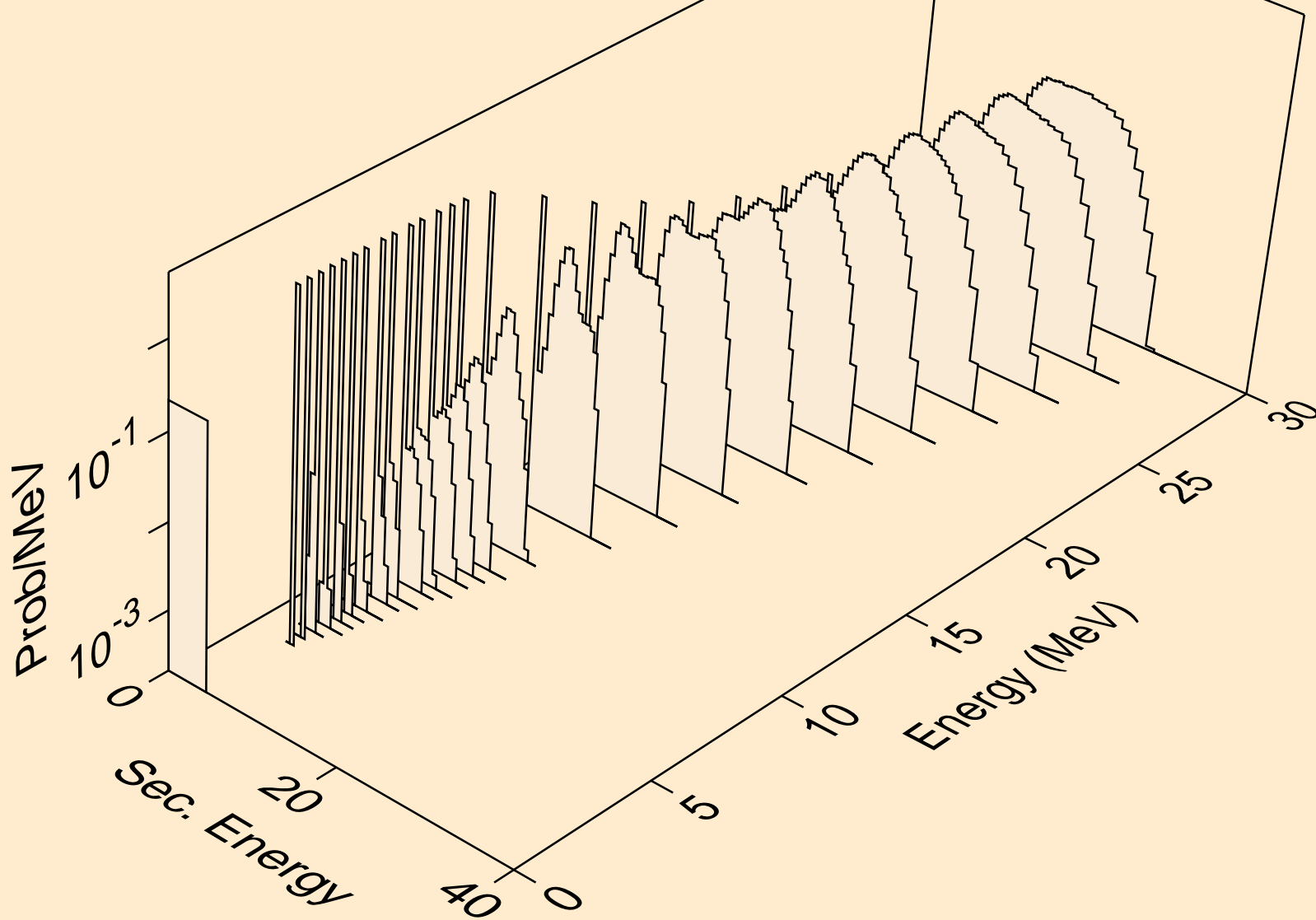
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)2a



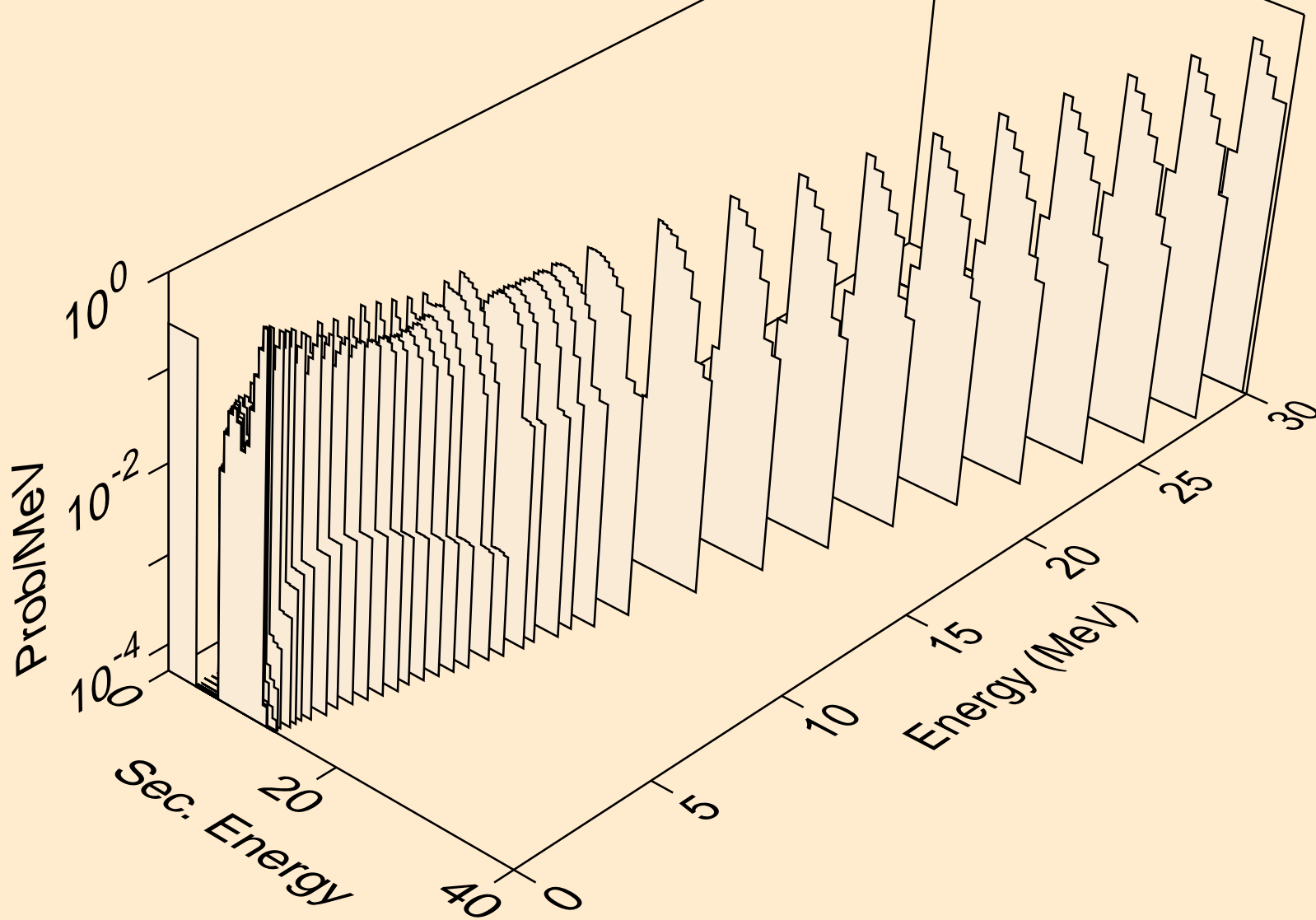
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2n)2a



I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,npa)

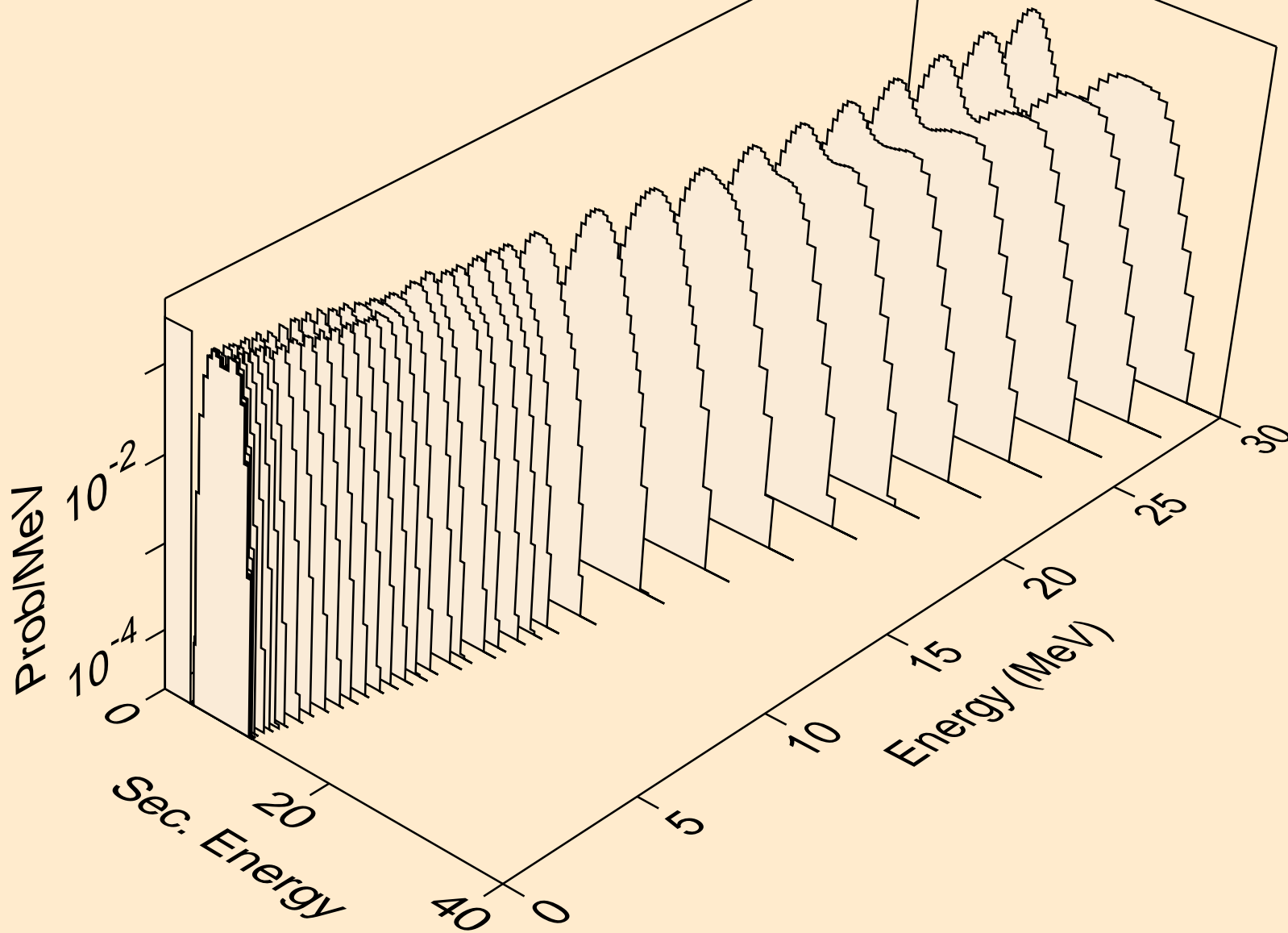


I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,a)

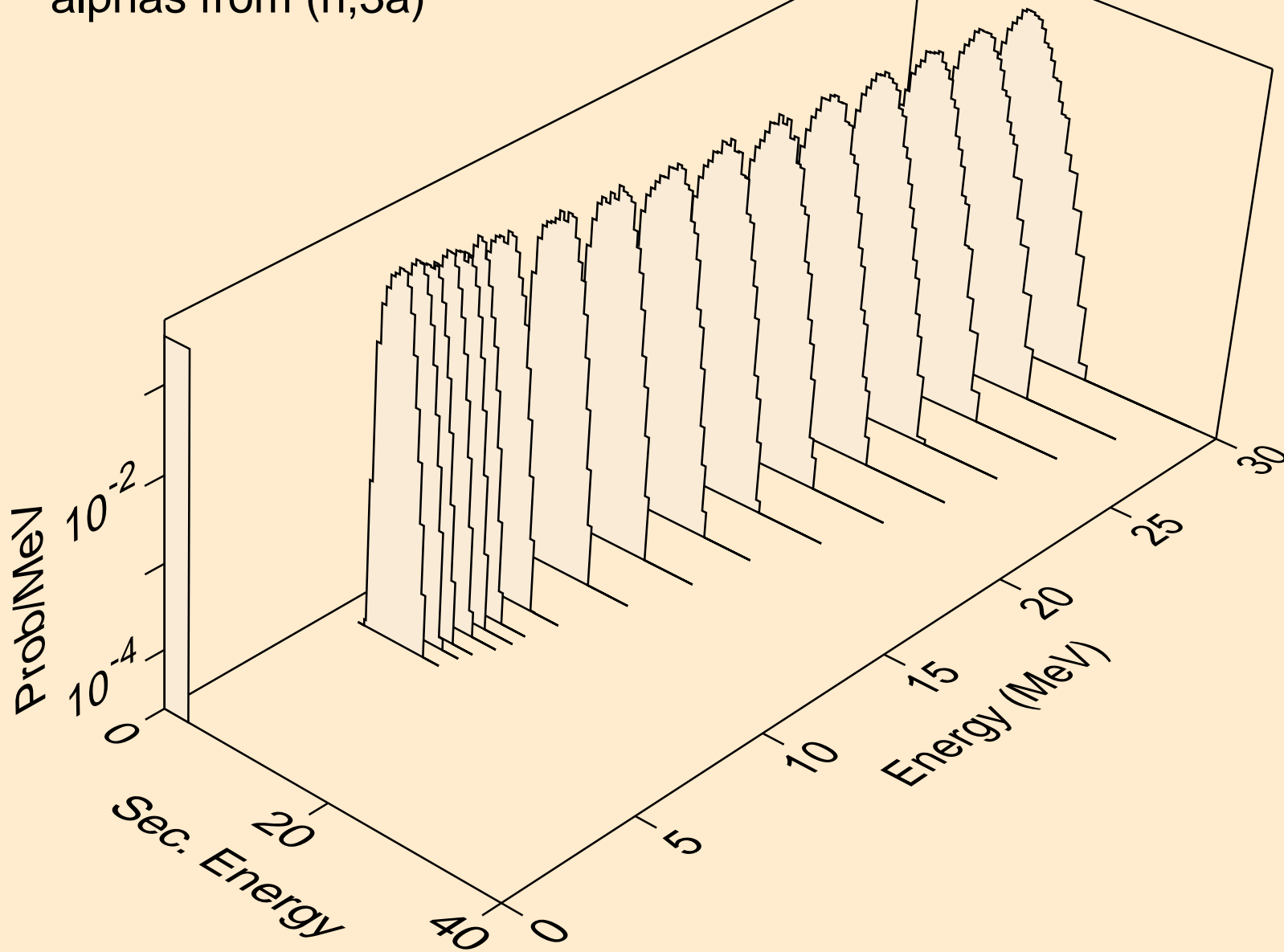




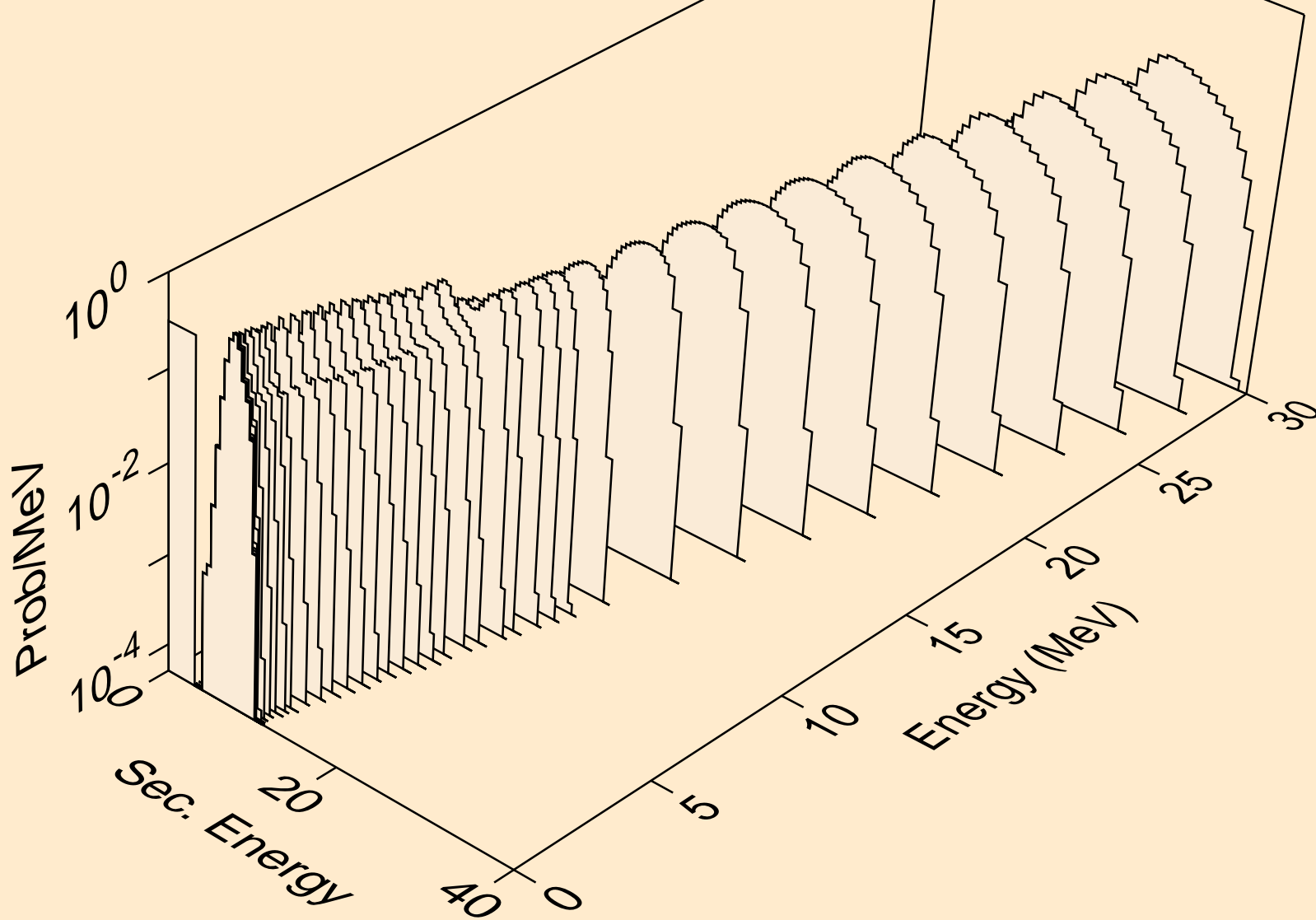
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2a)



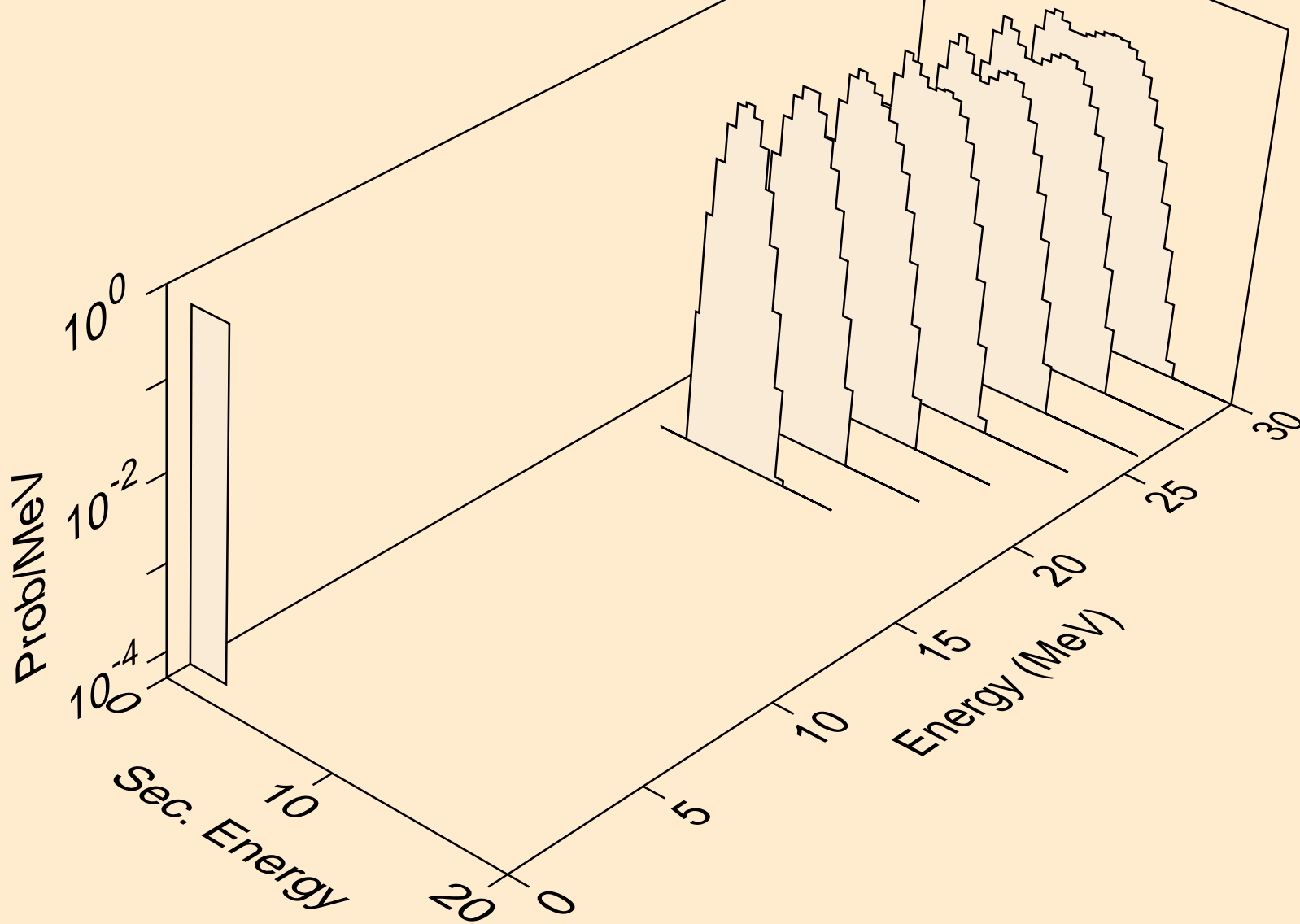
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,3a)



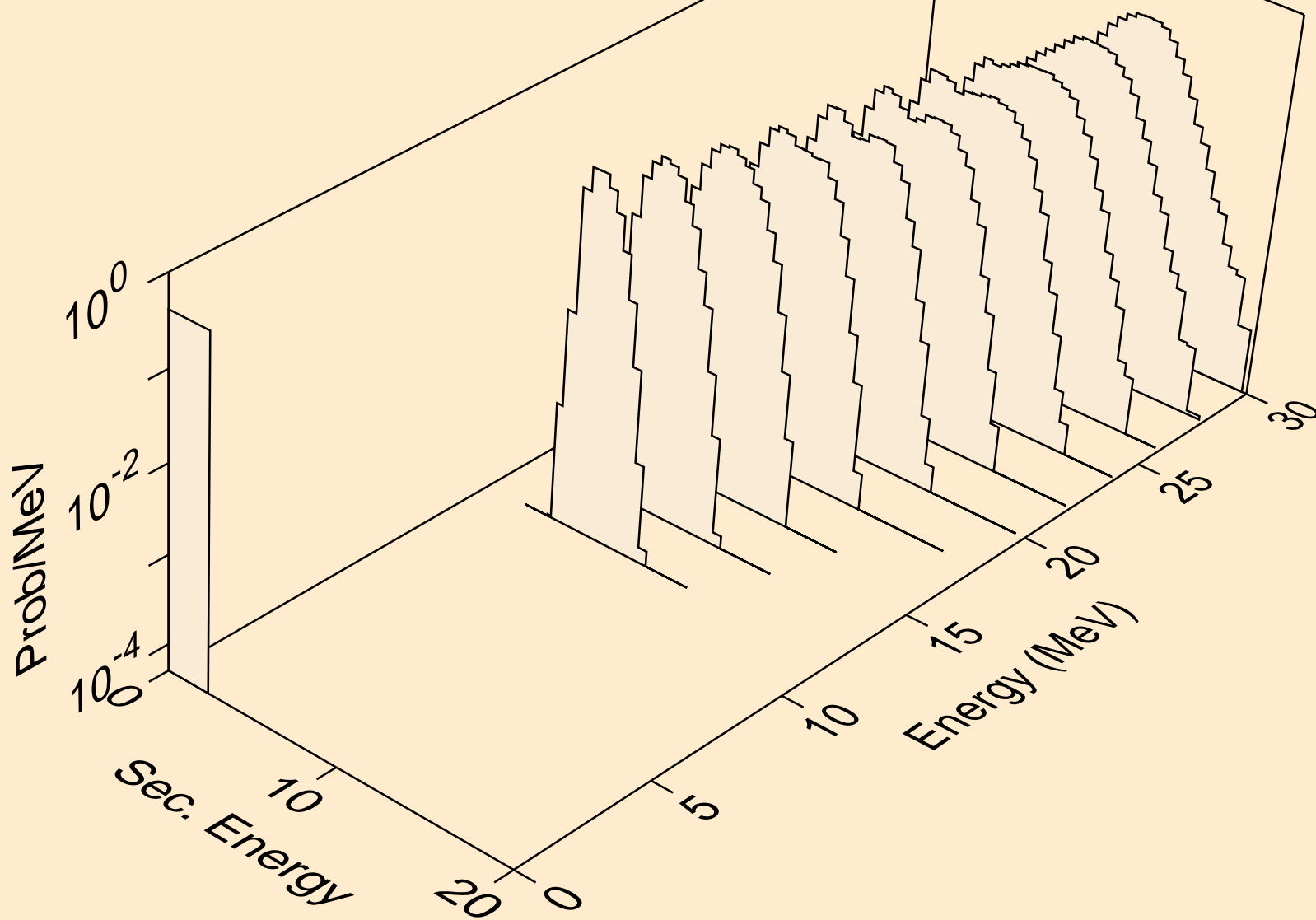
I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,pa)



I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,t2a)



I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,d2a)



I111 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,da)

