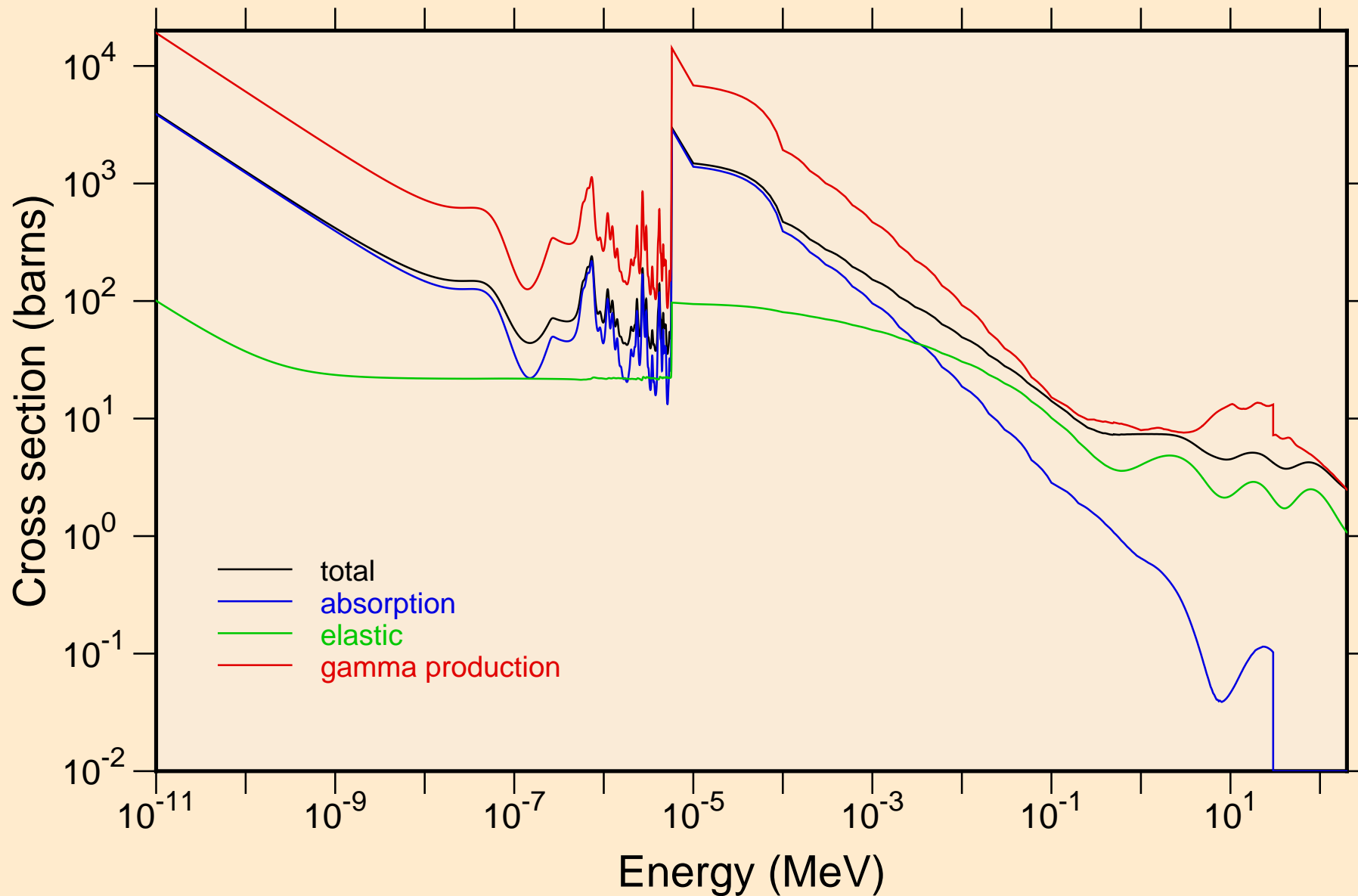
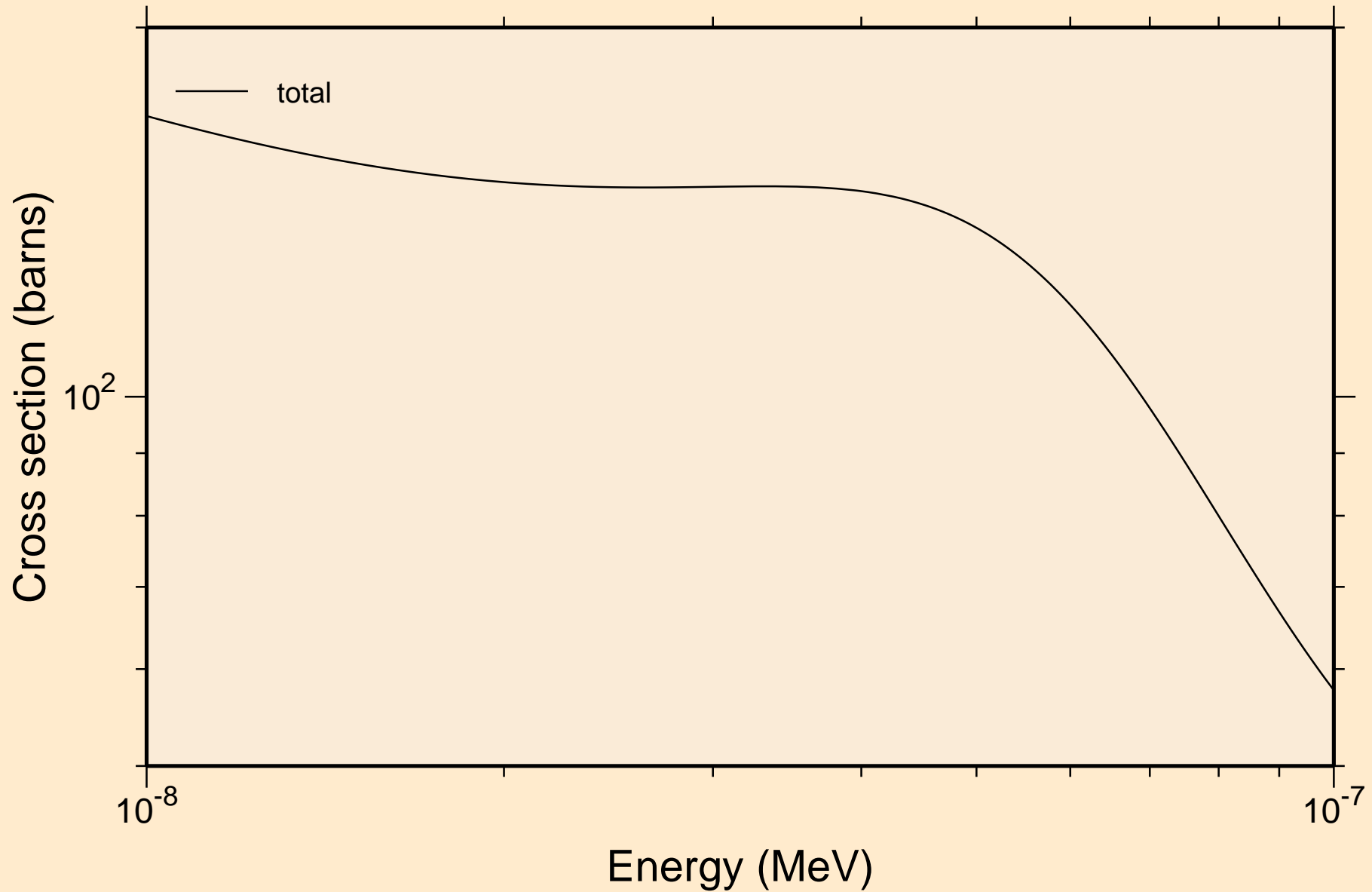


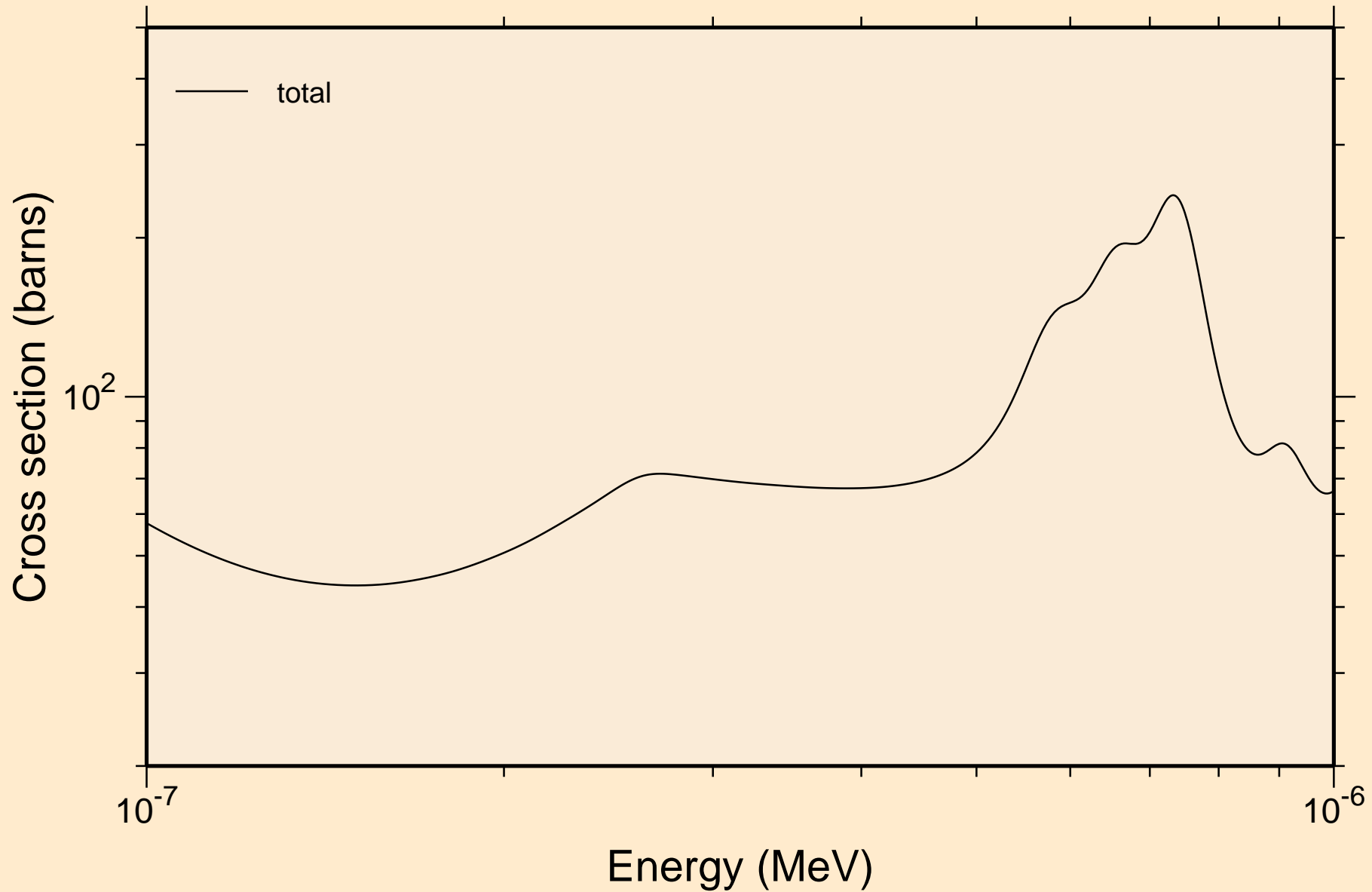
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Principal cross sections



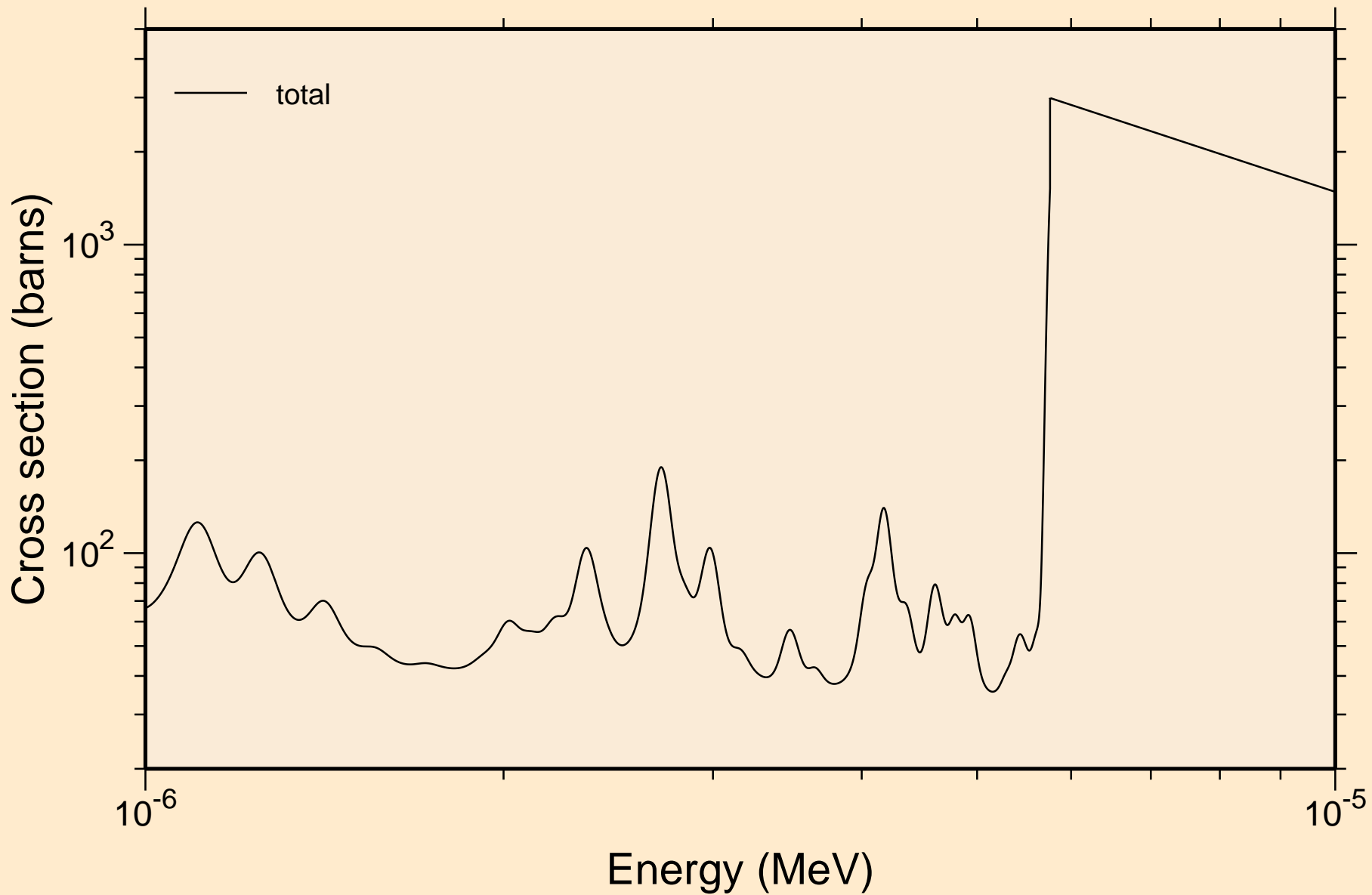
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance total cross section



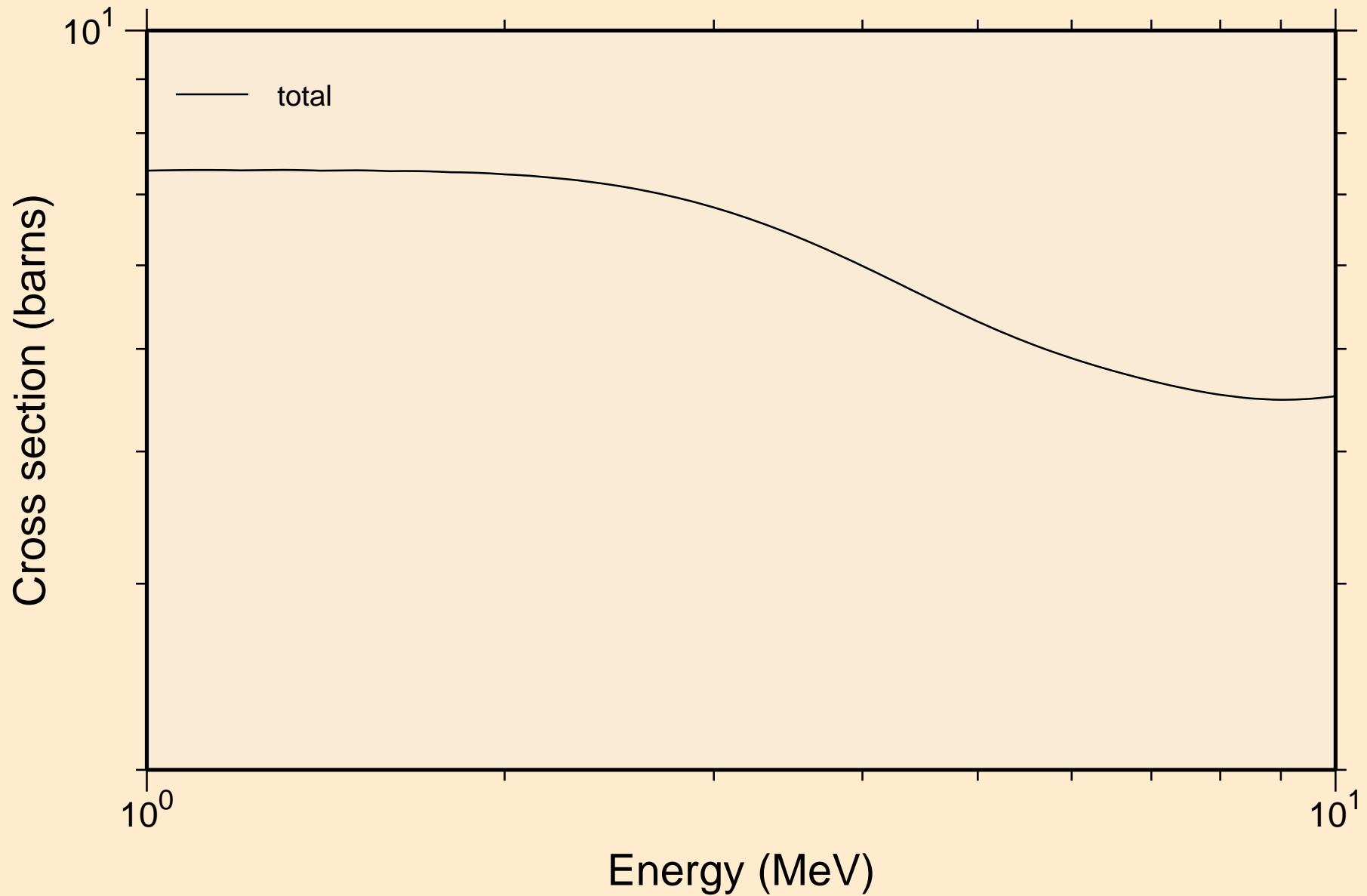
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance total cross section



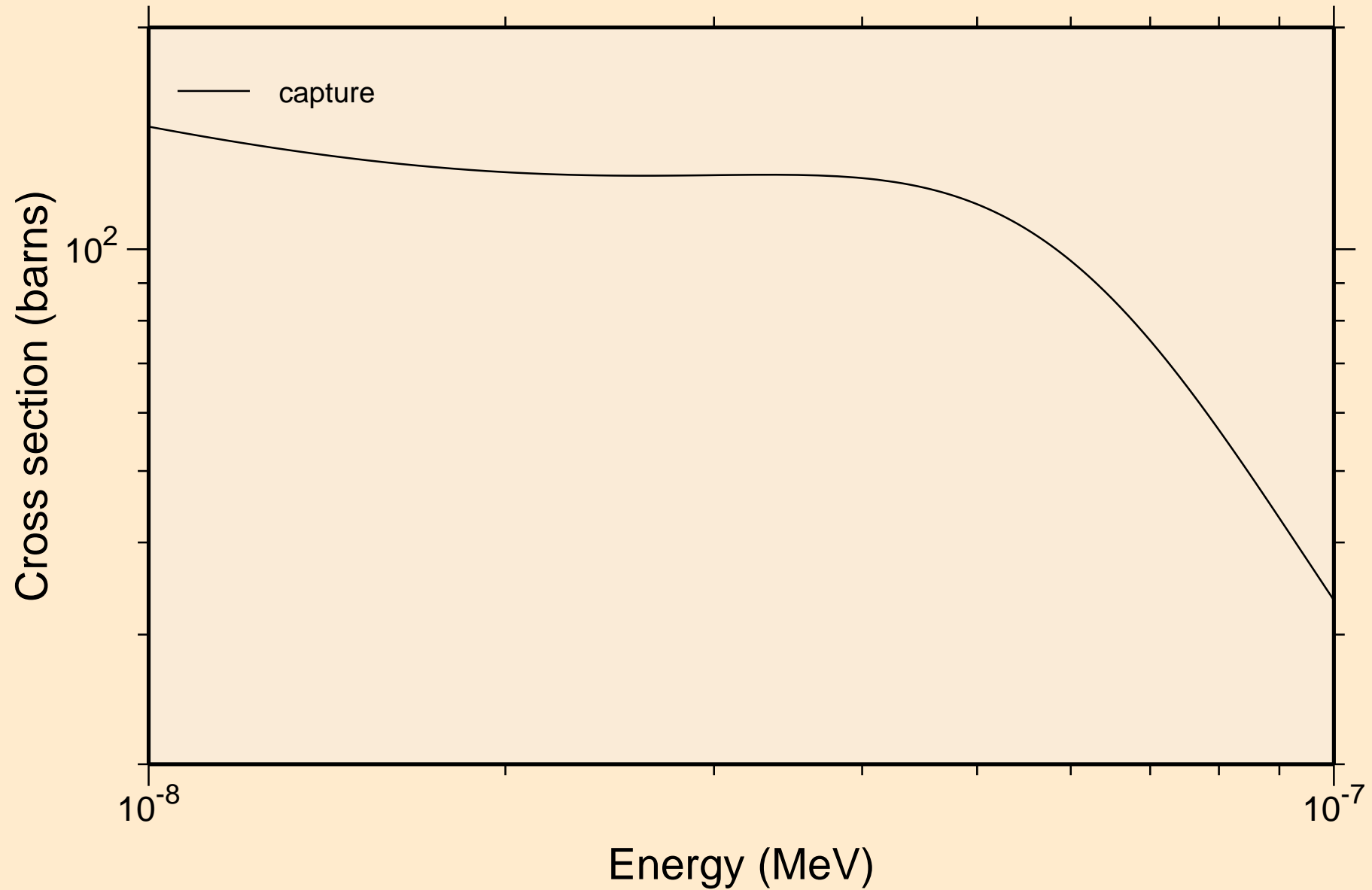
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance total cross section



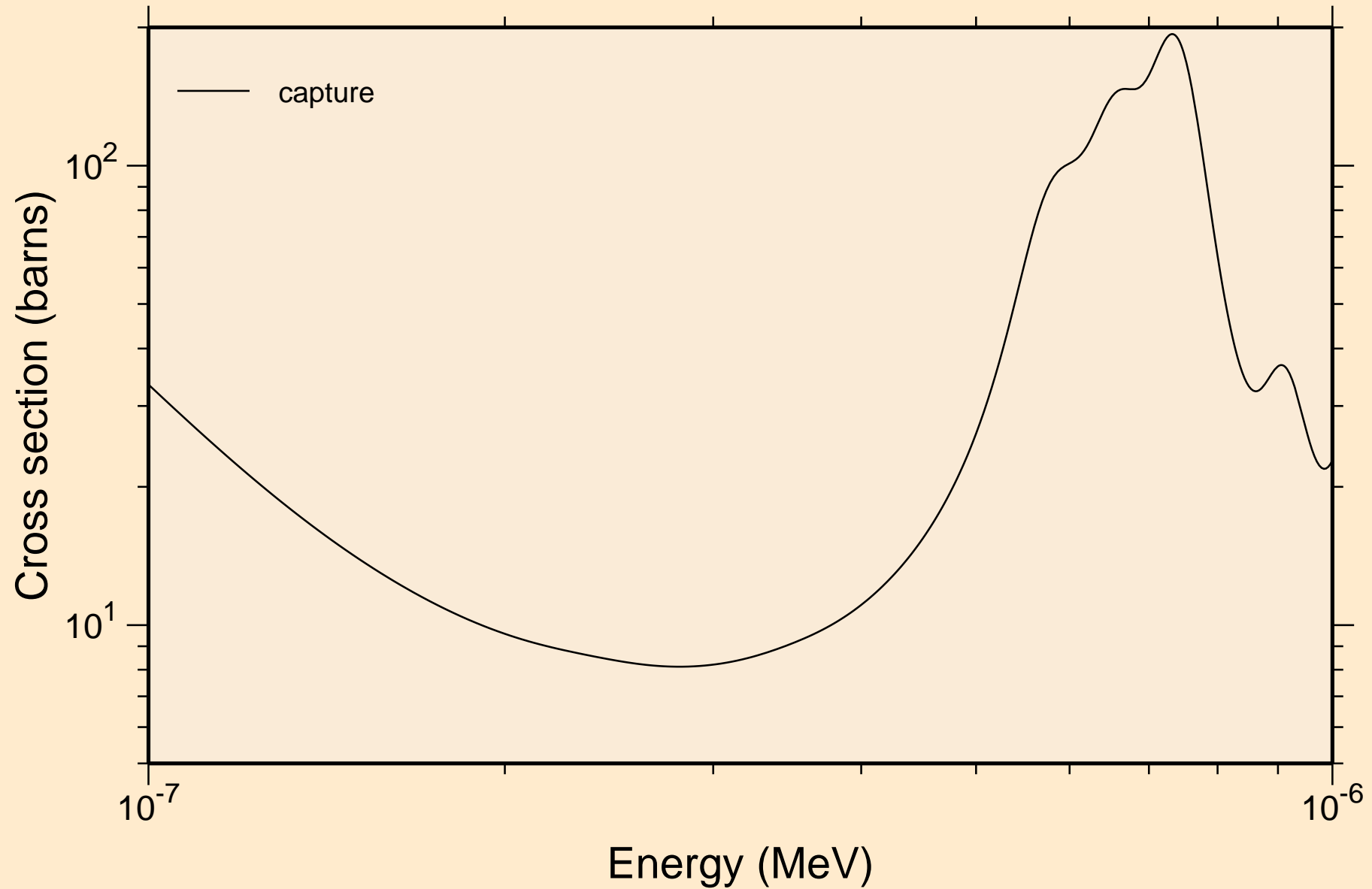
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance total cross section



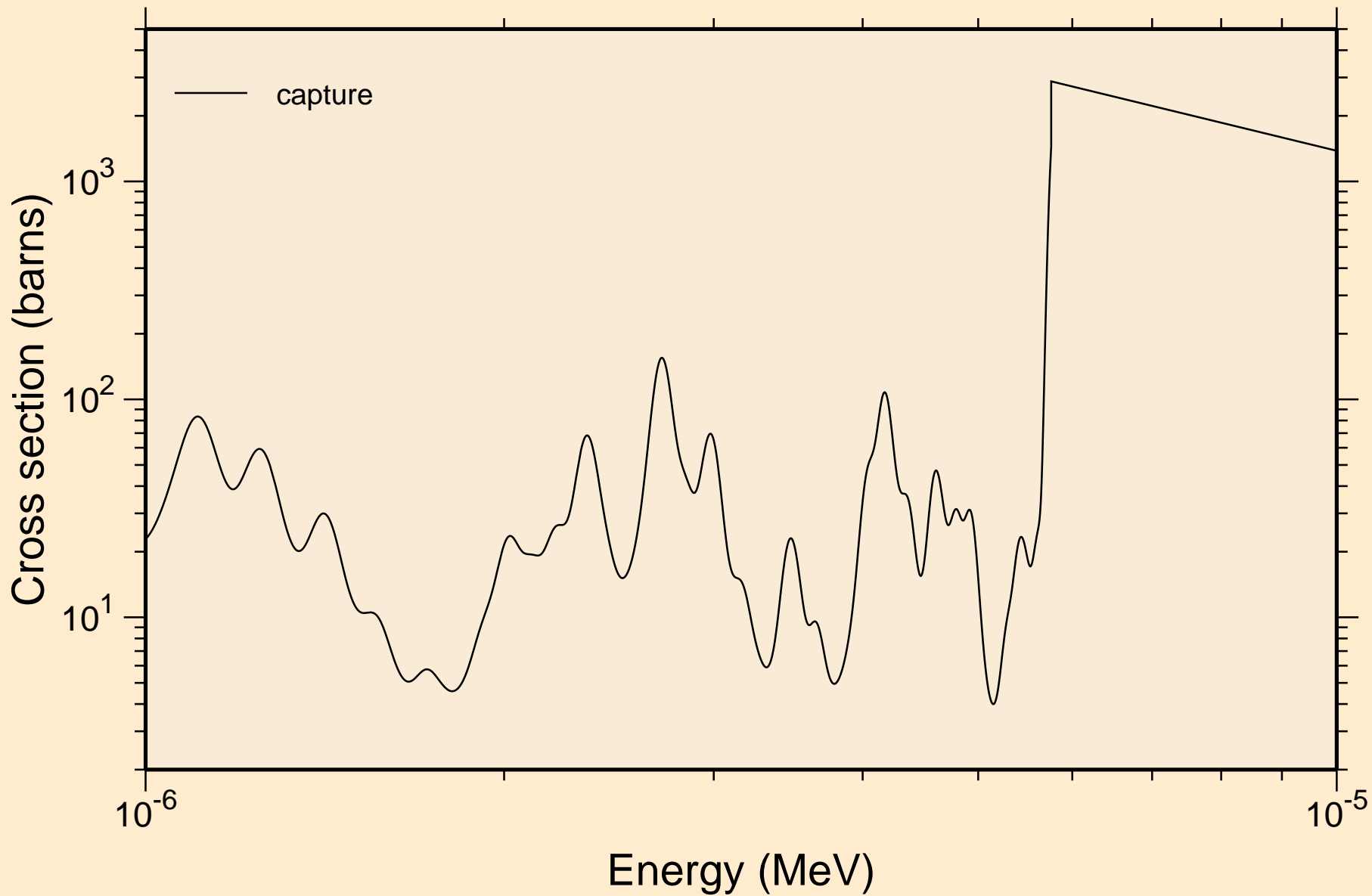
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance absorption cross sections



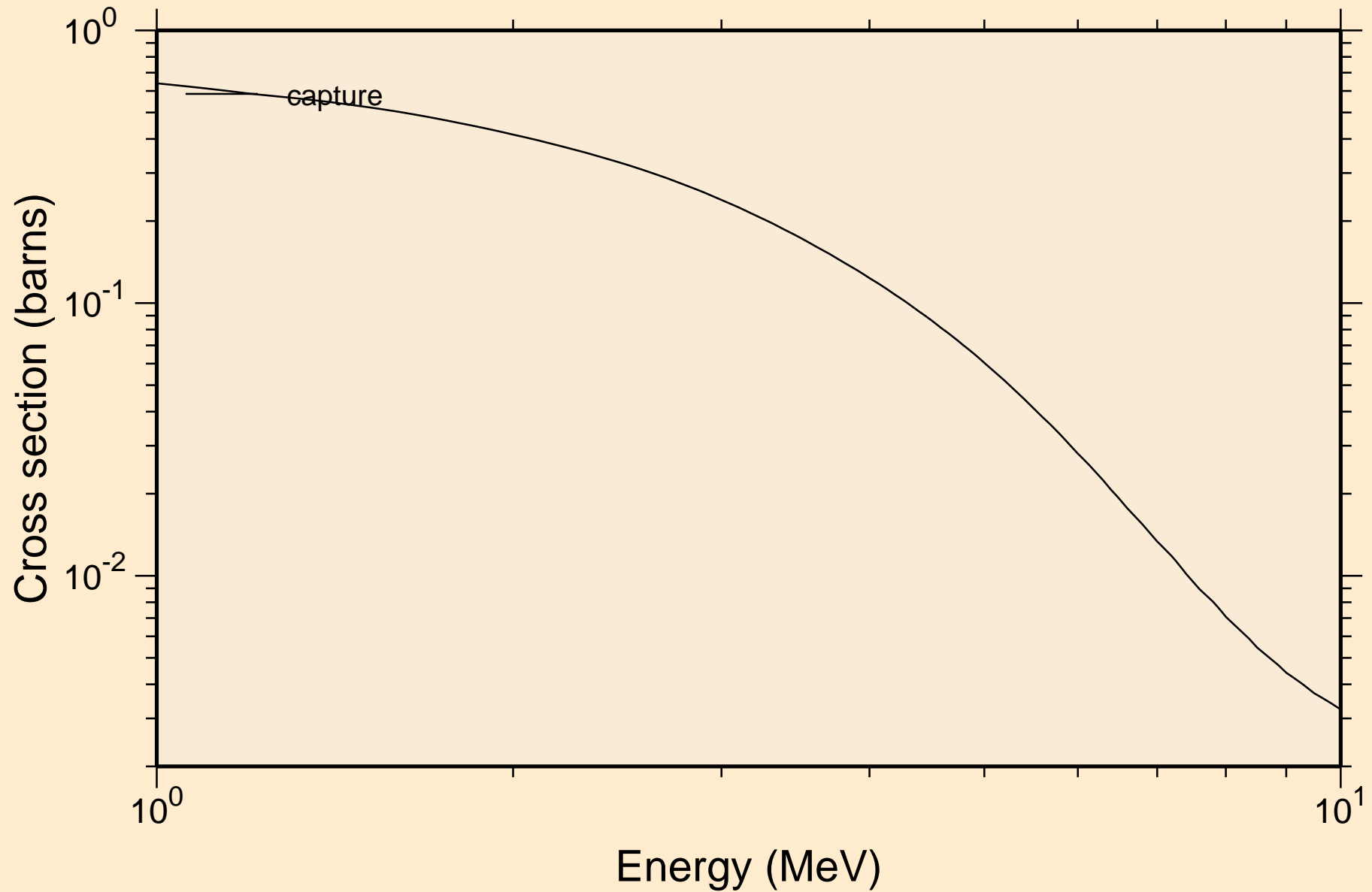
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance absorption cross sections



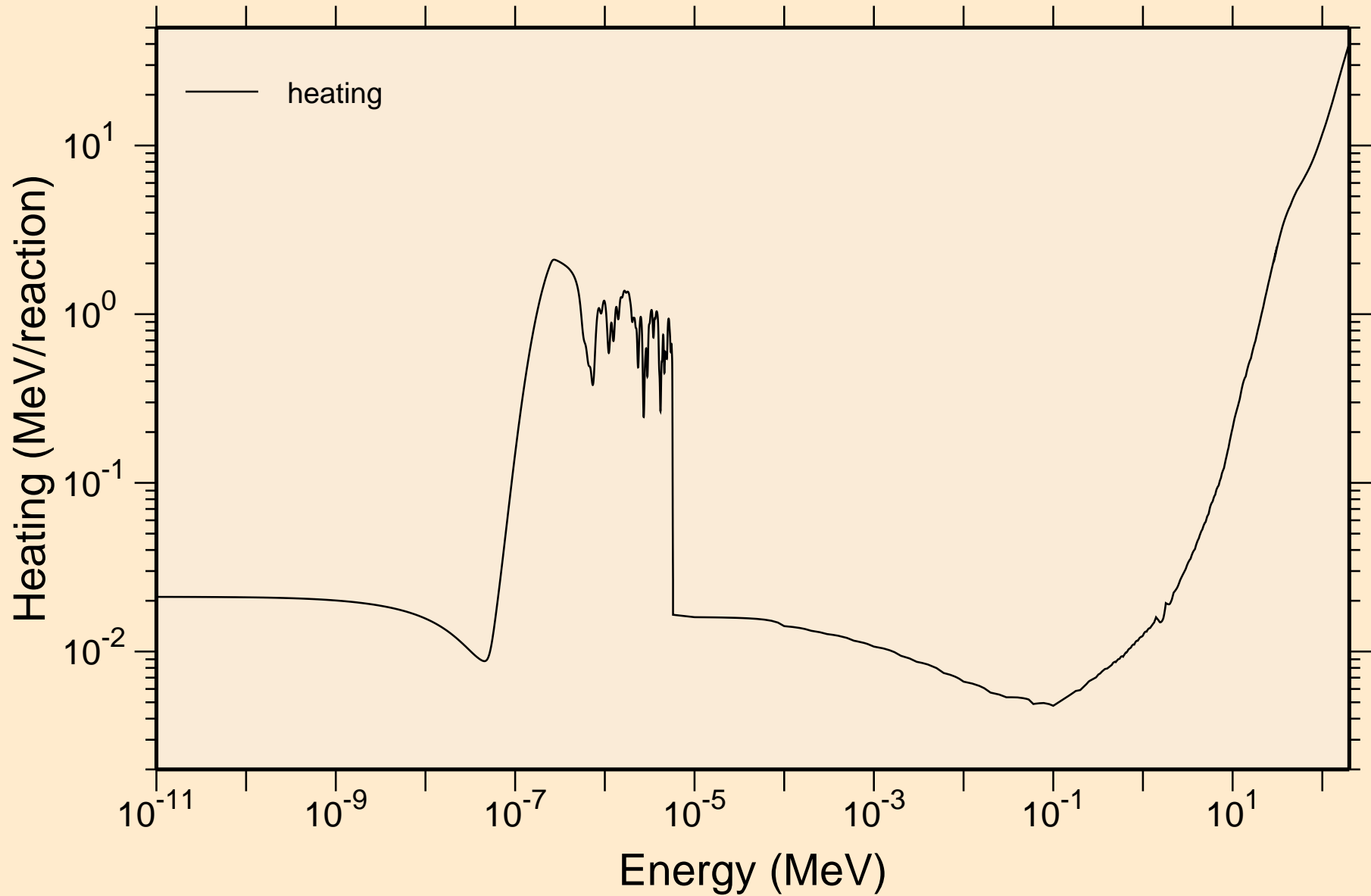
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance absorption cross sections



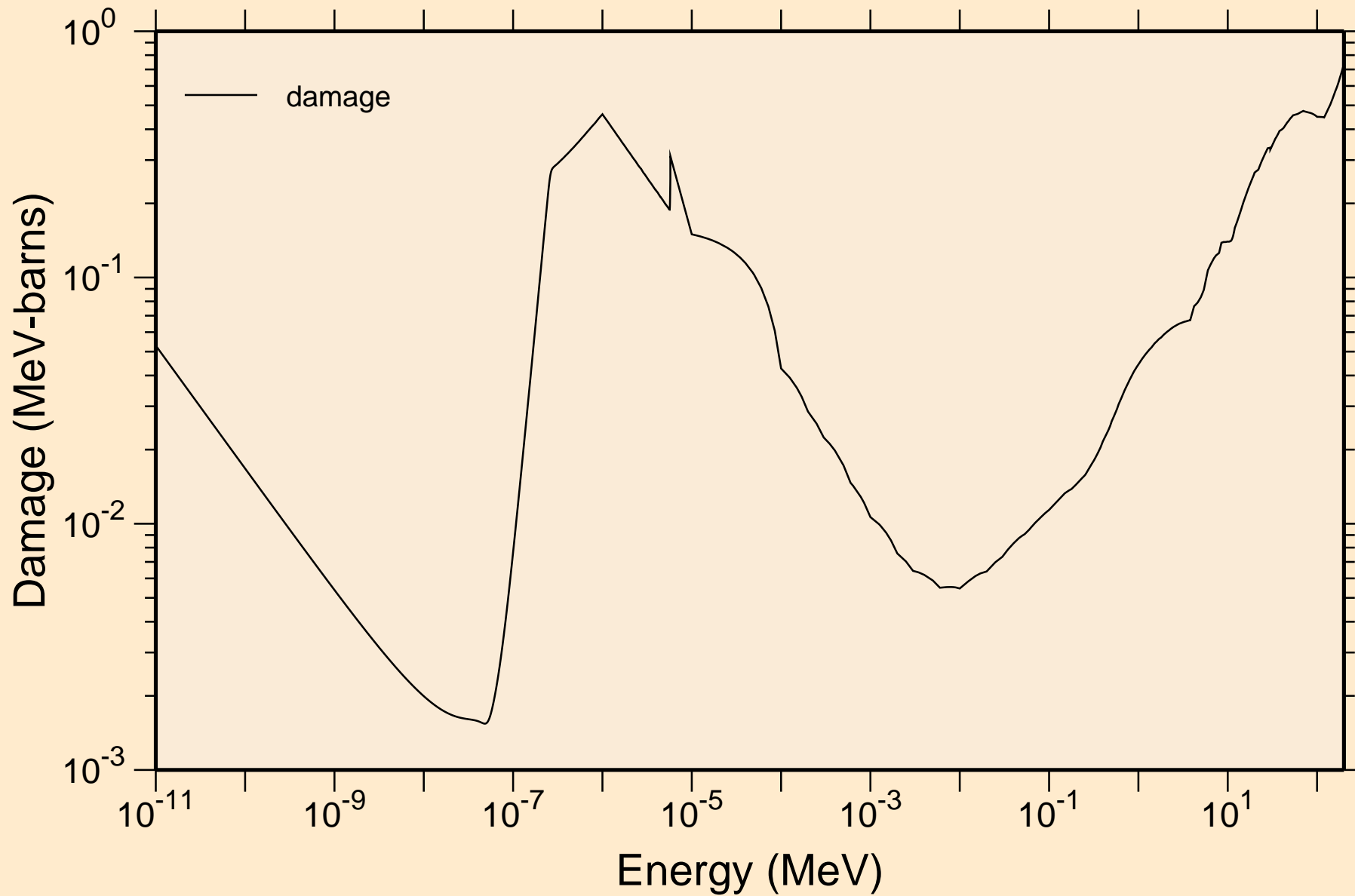
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance absorption cross sections



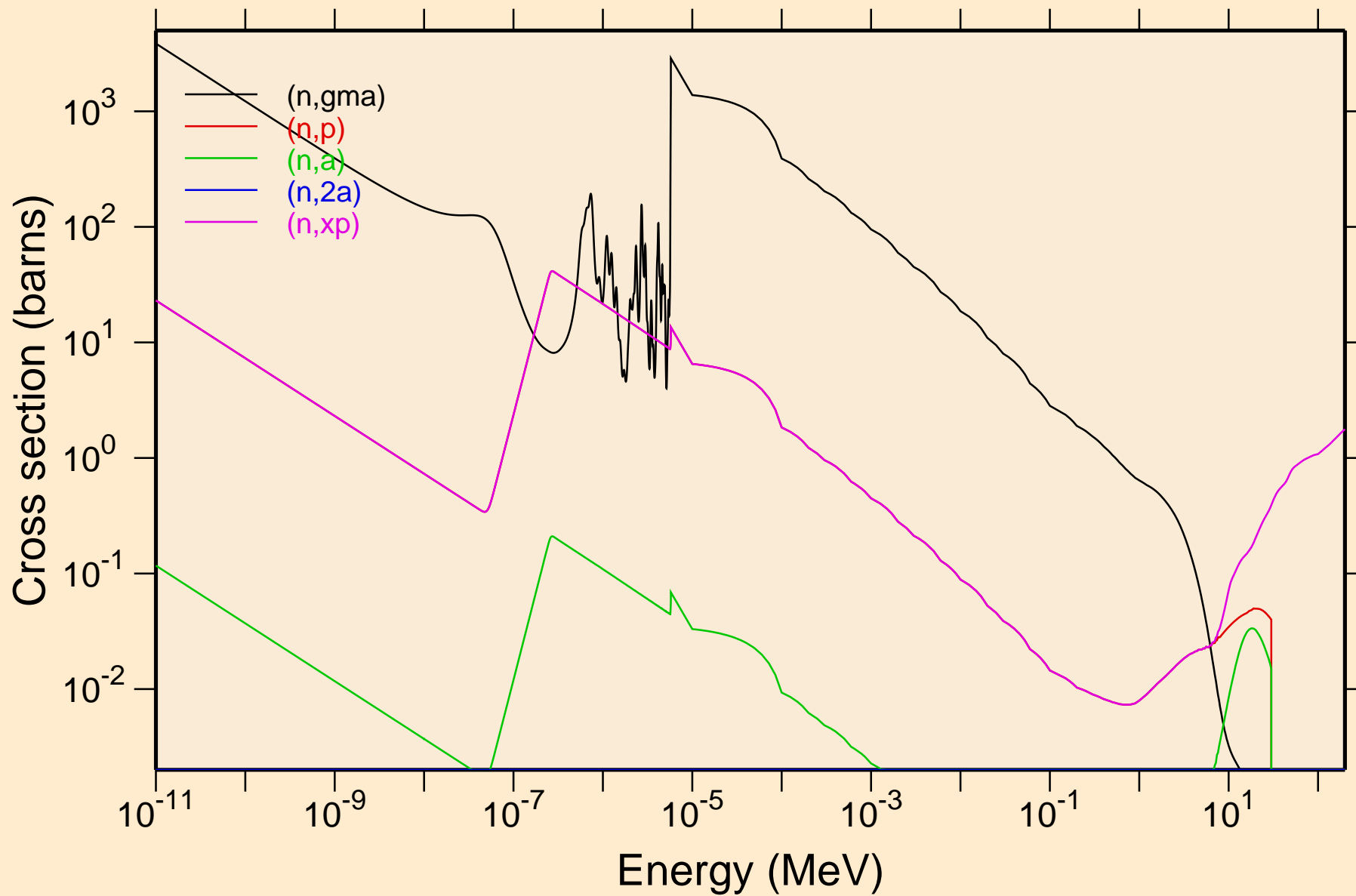
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Heating



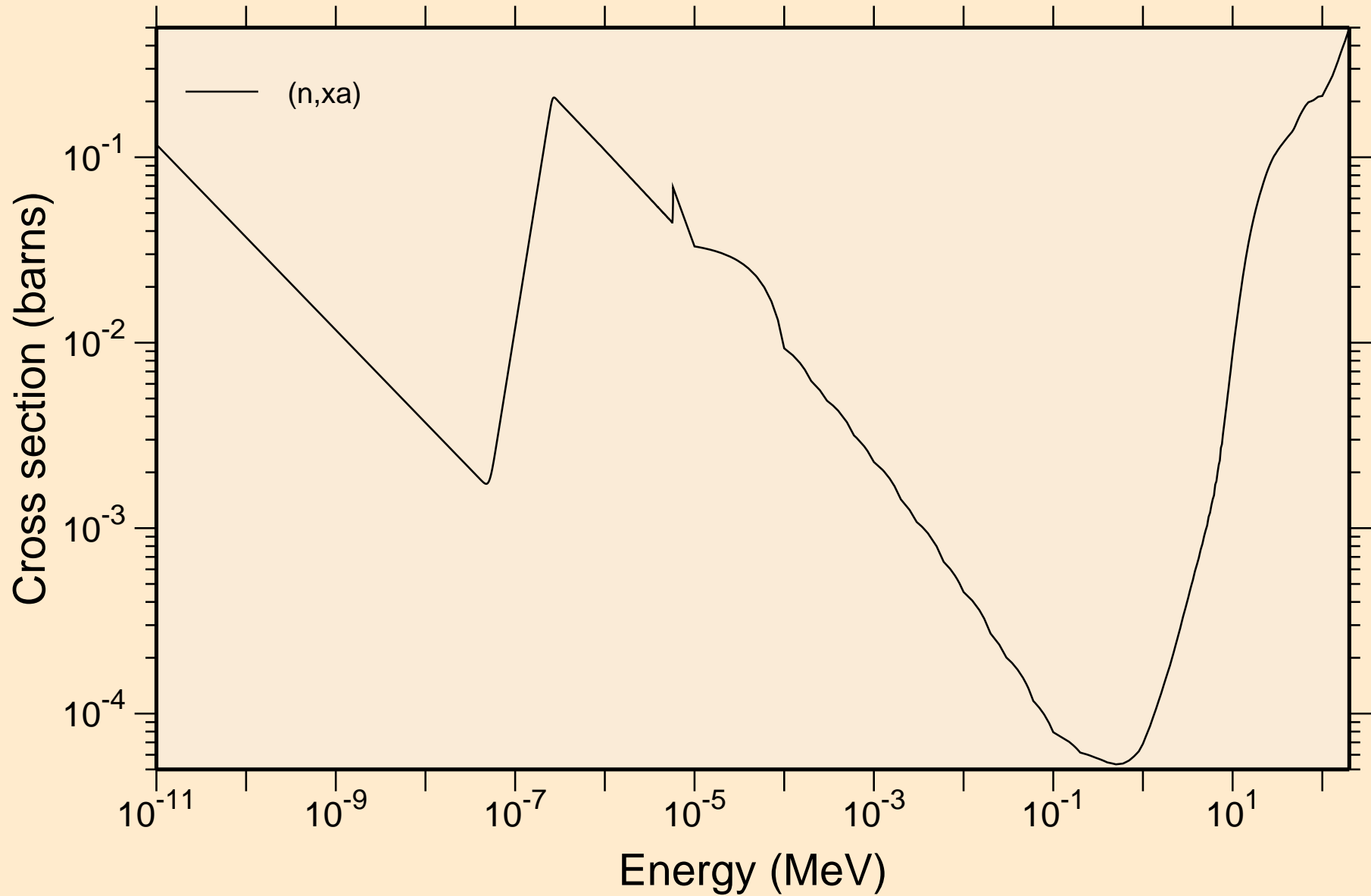
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Damage



TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Non-threshold reactions

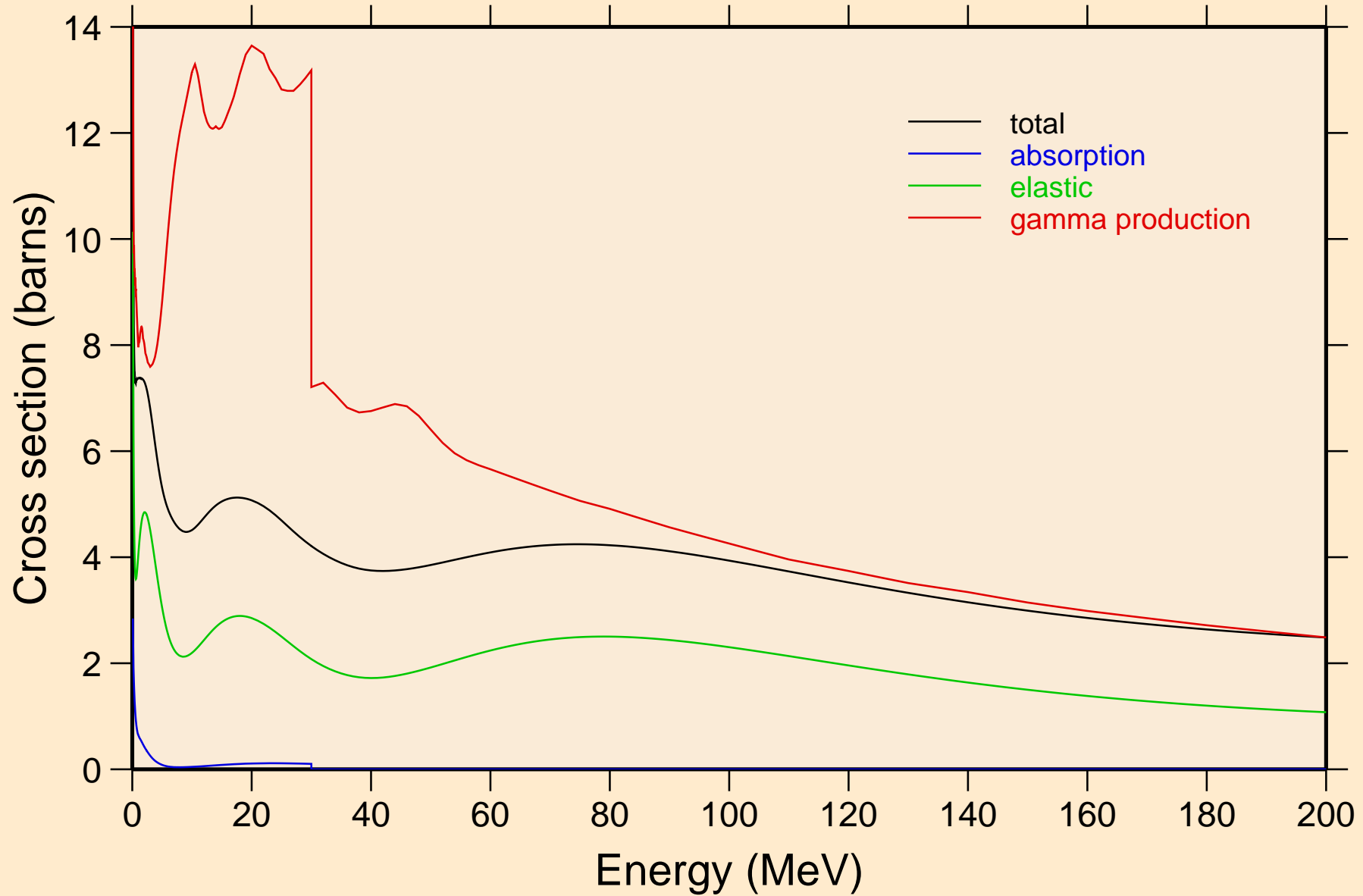


TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Non-threshold reactions

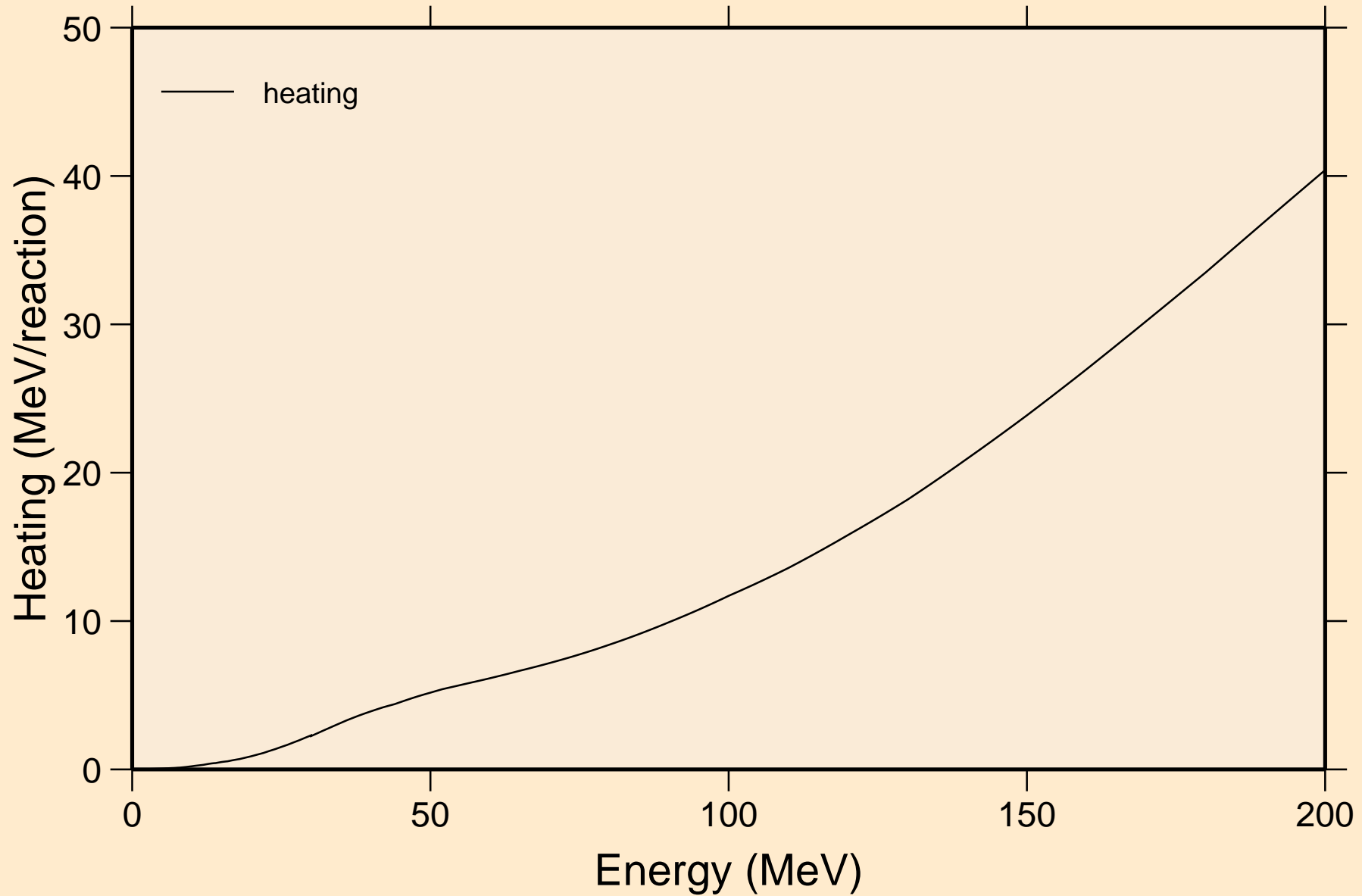


# TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

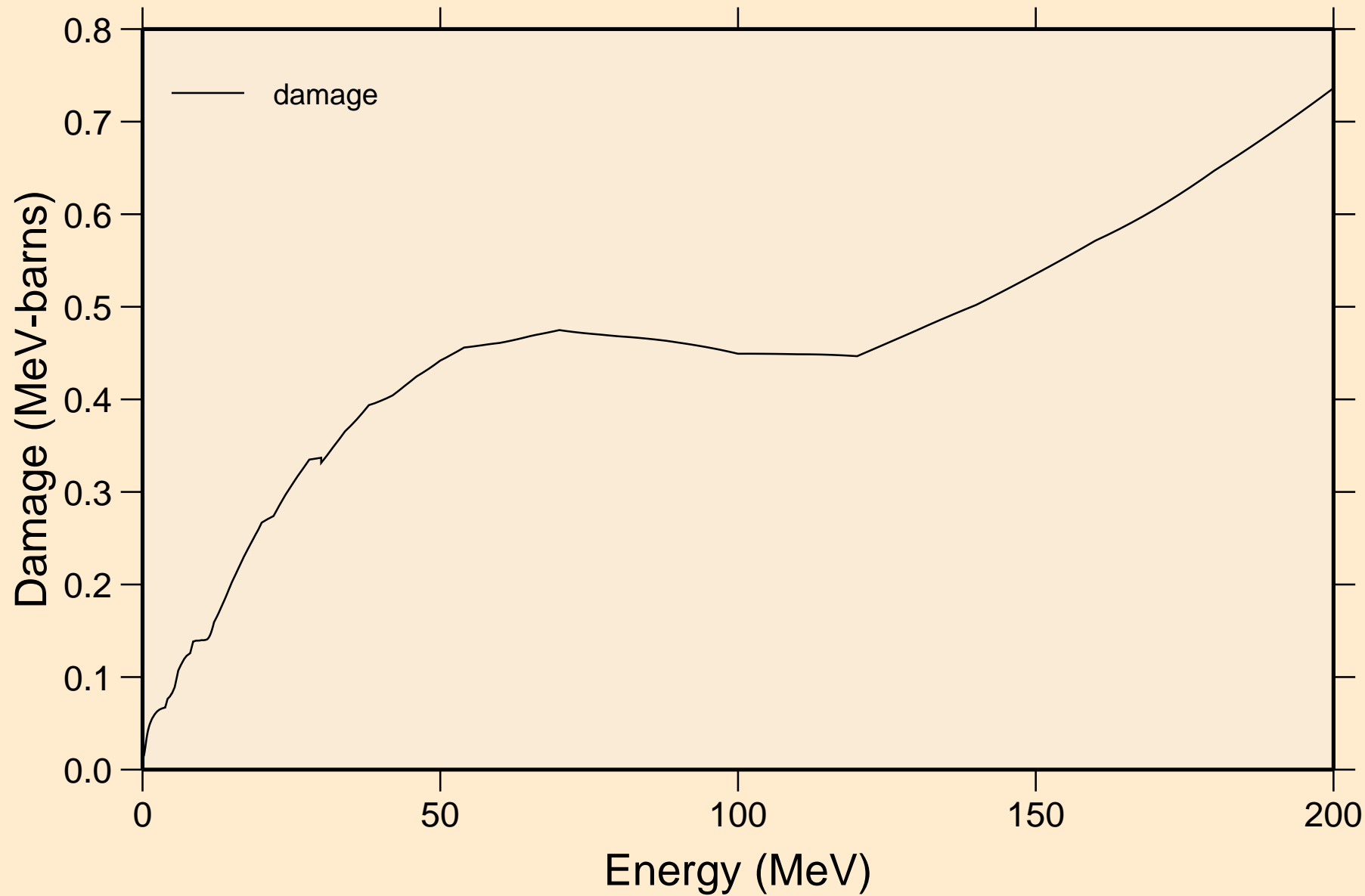
## Principal cross sections



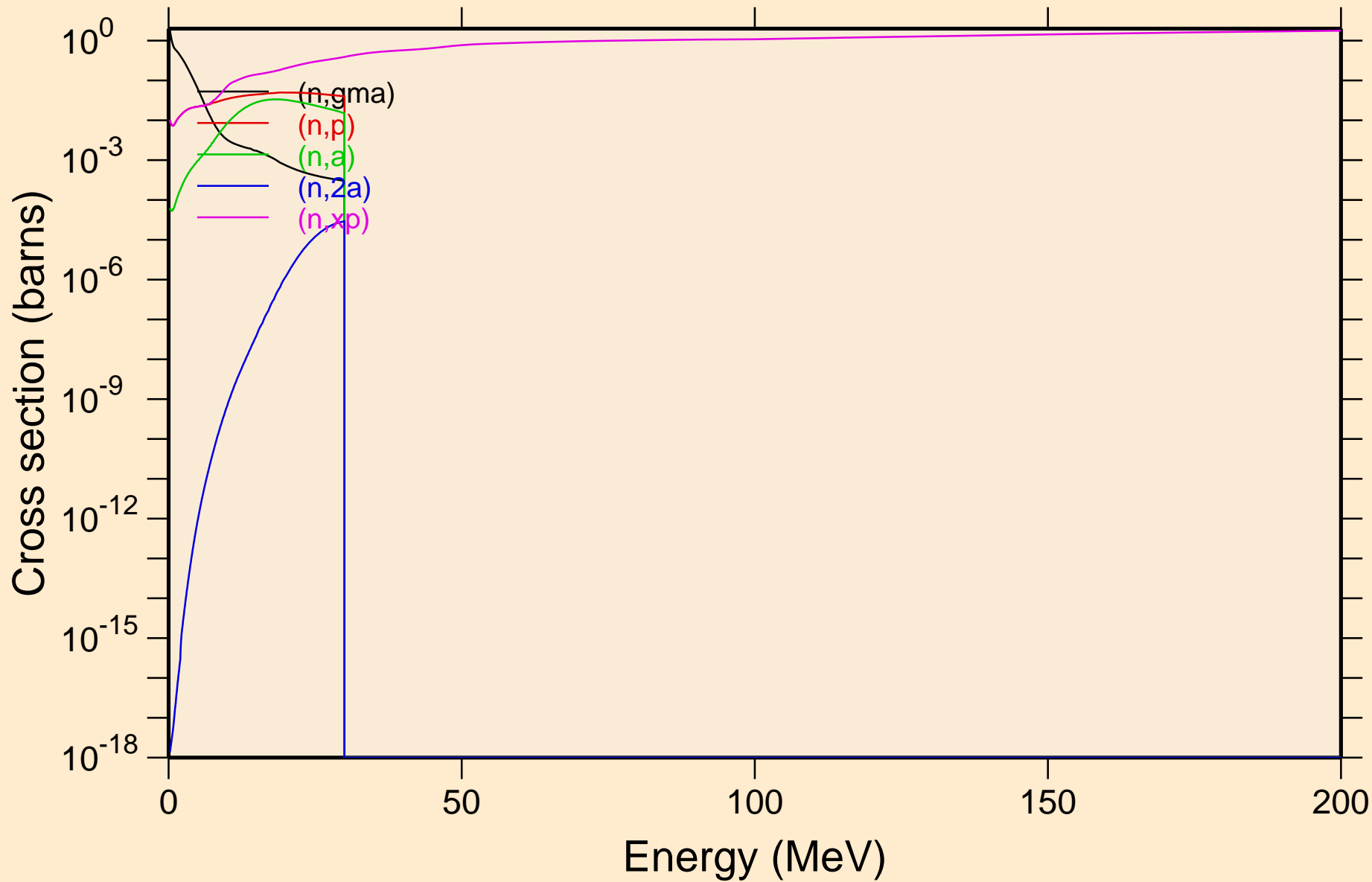
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Heating



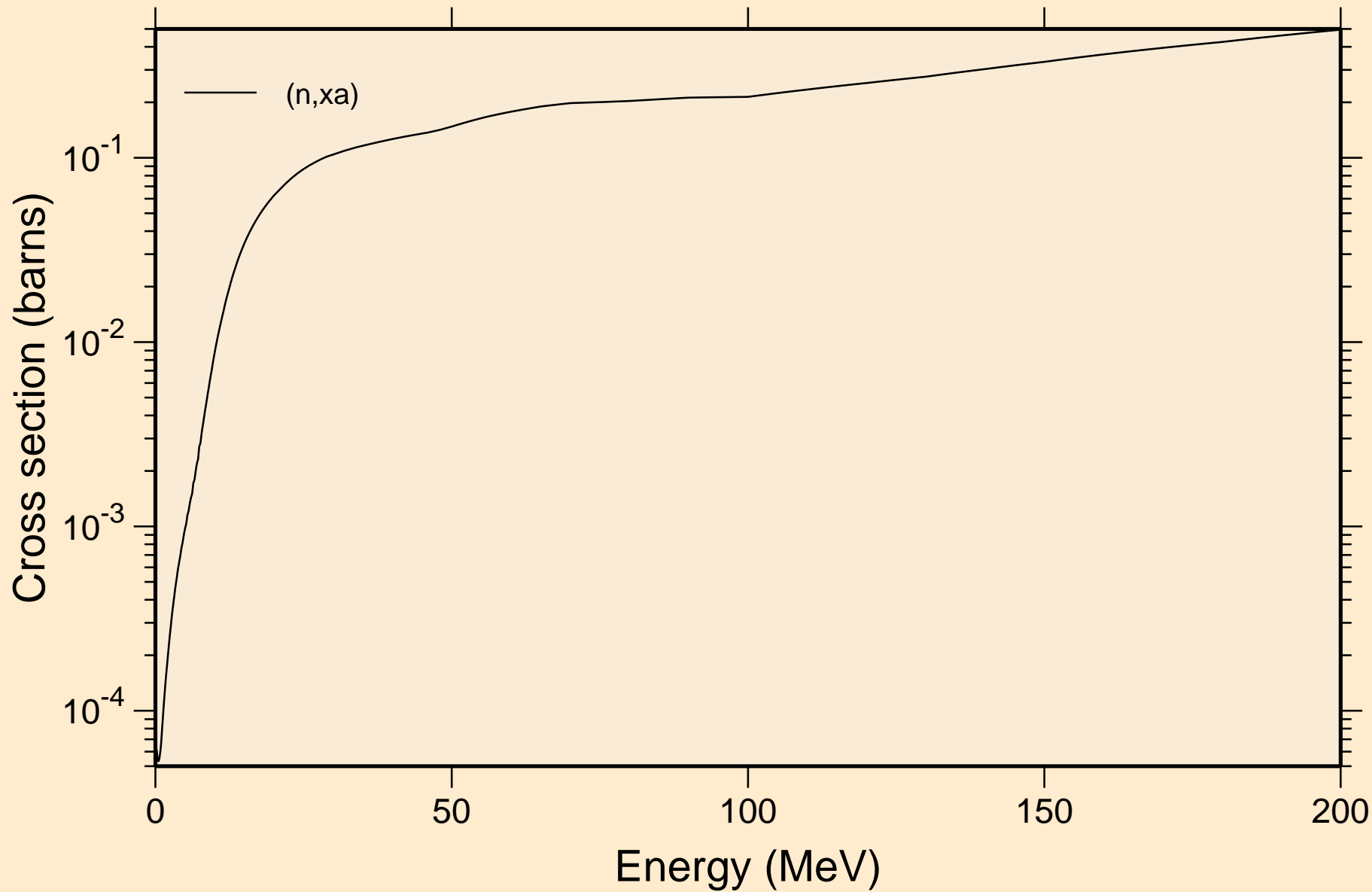
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Damage



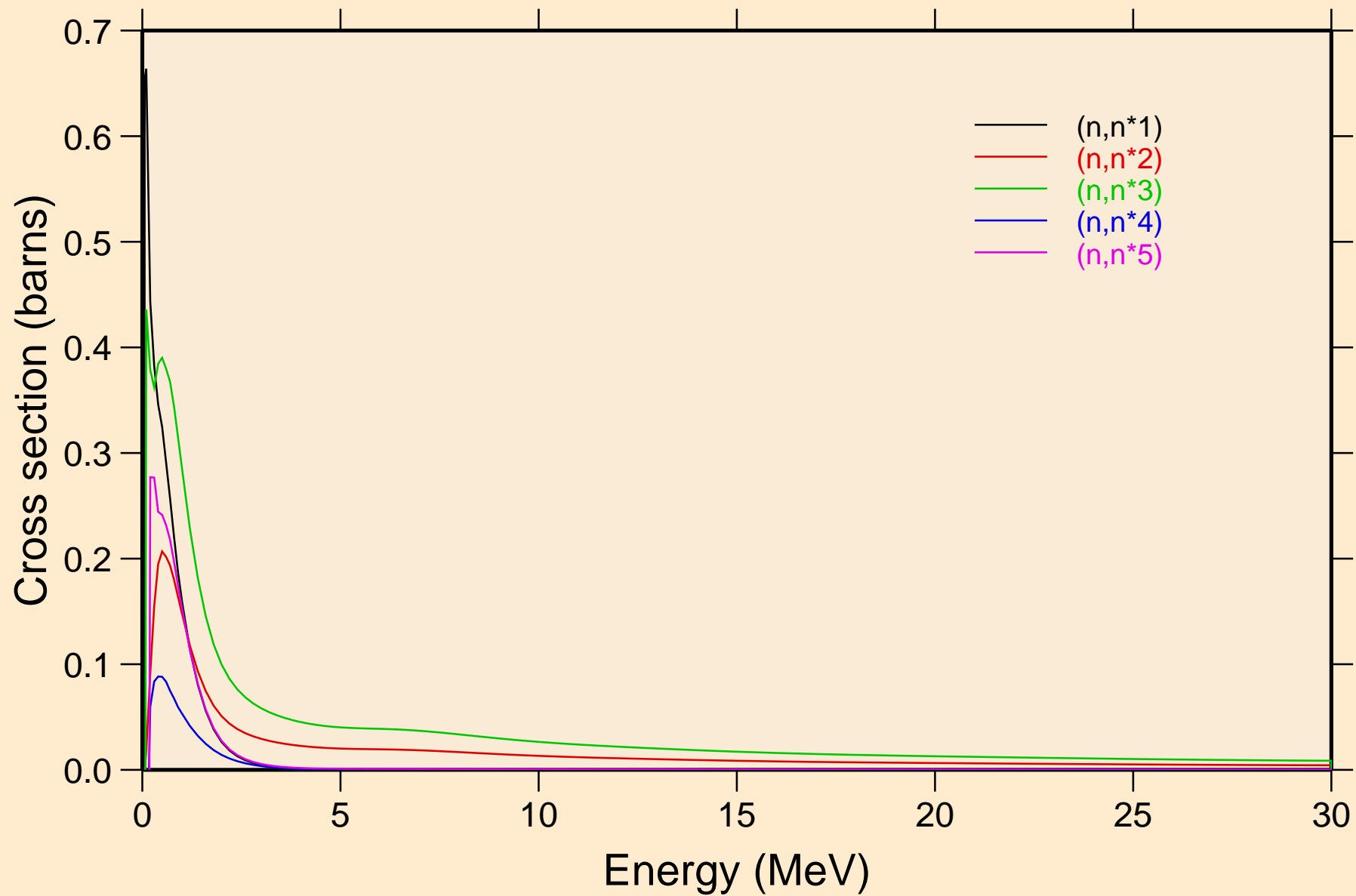
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Non-threshold reactions



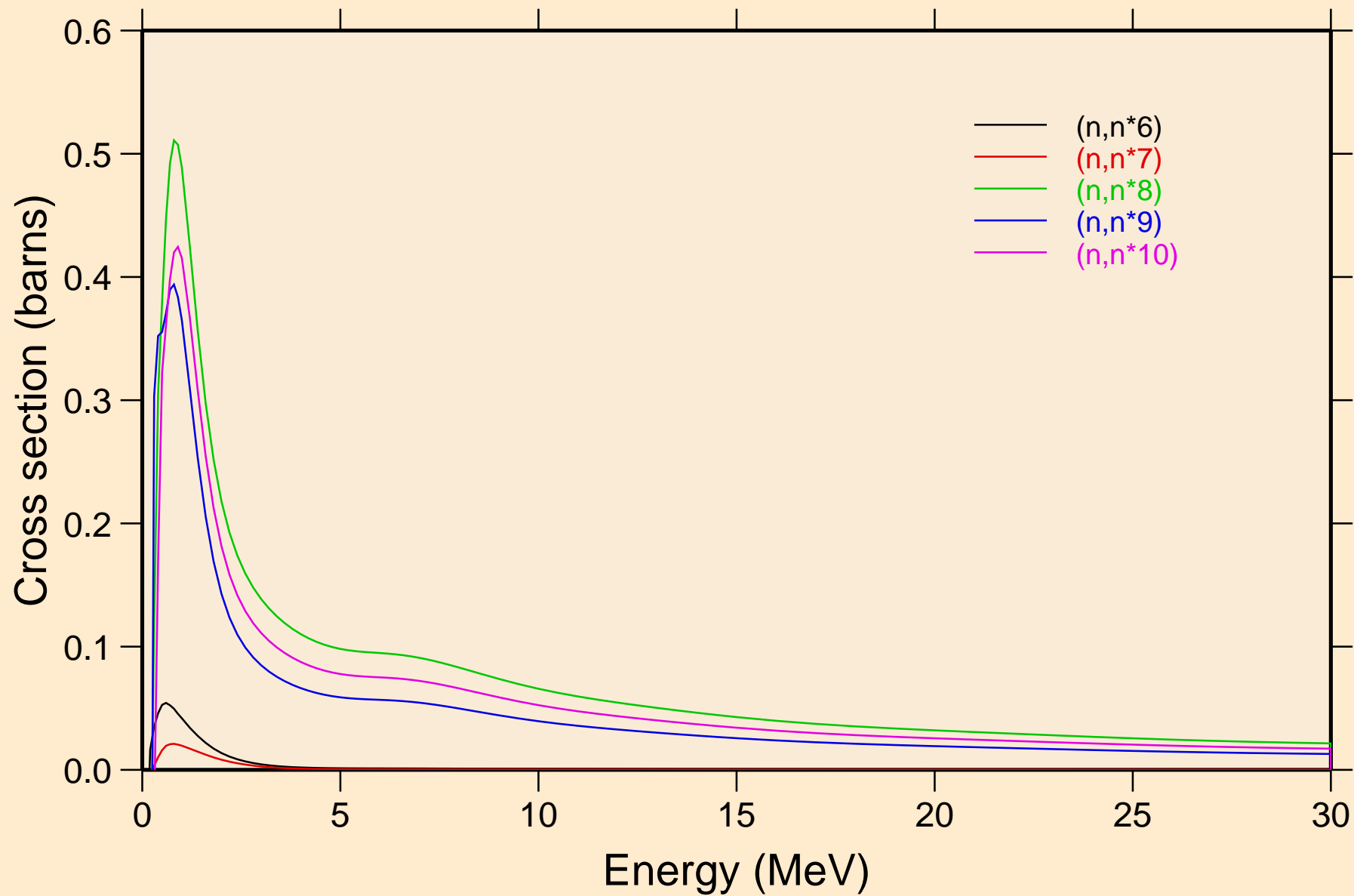
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Non-threshold reactions



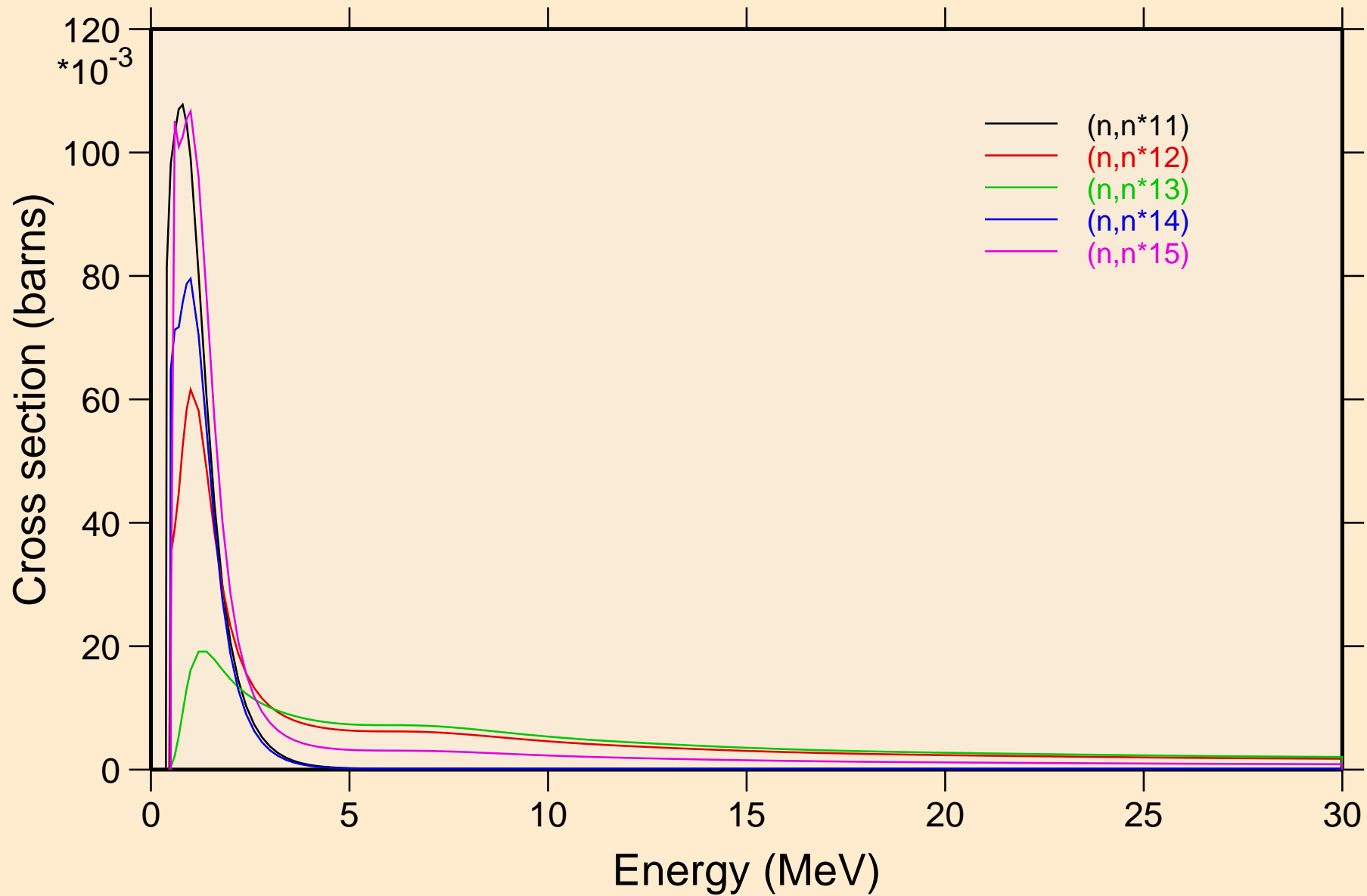
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Inelastic levels



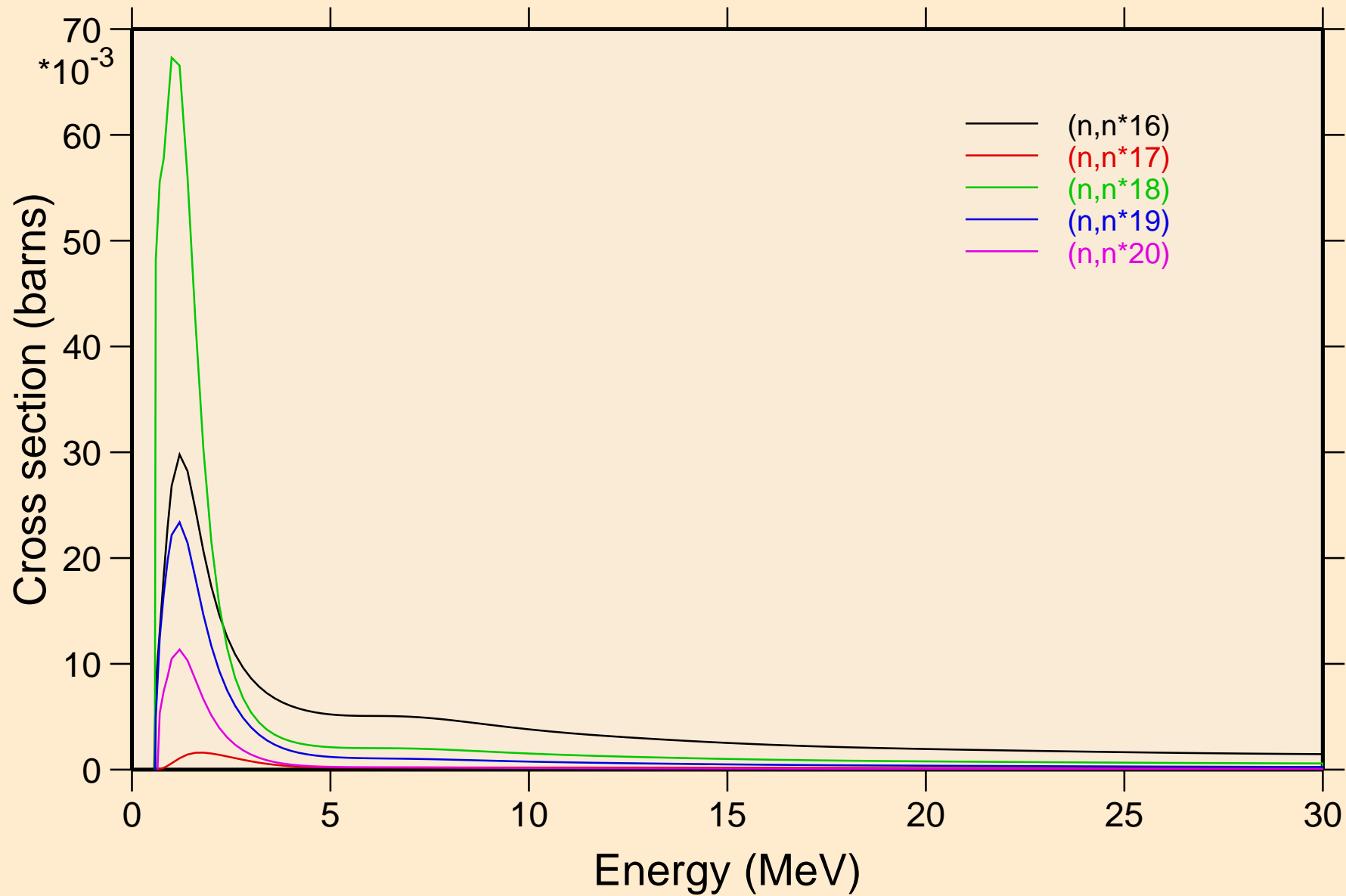
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Inelastic levels



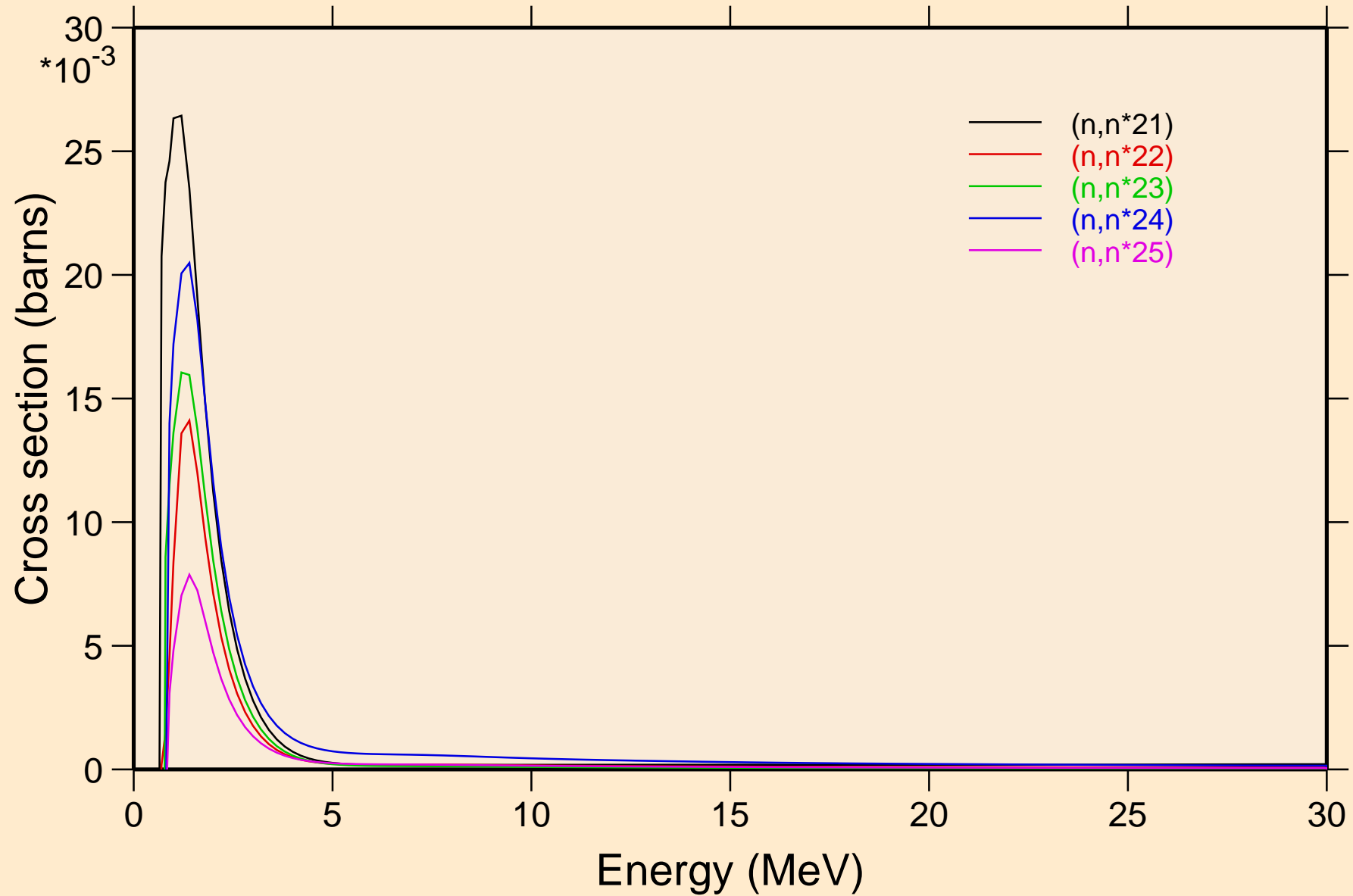
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Inelastic levels



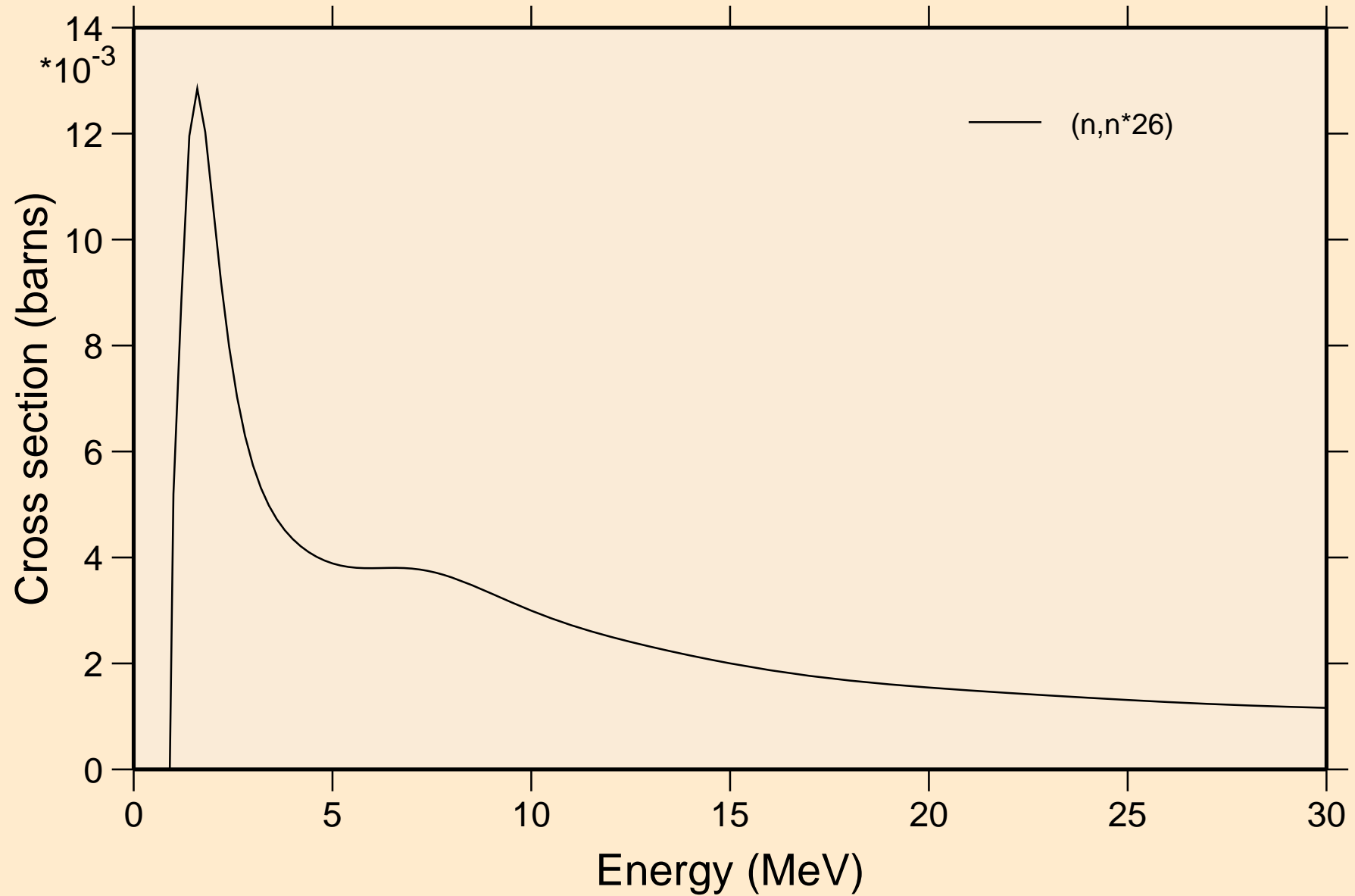
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Inelastic levels



TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Inelastic levels

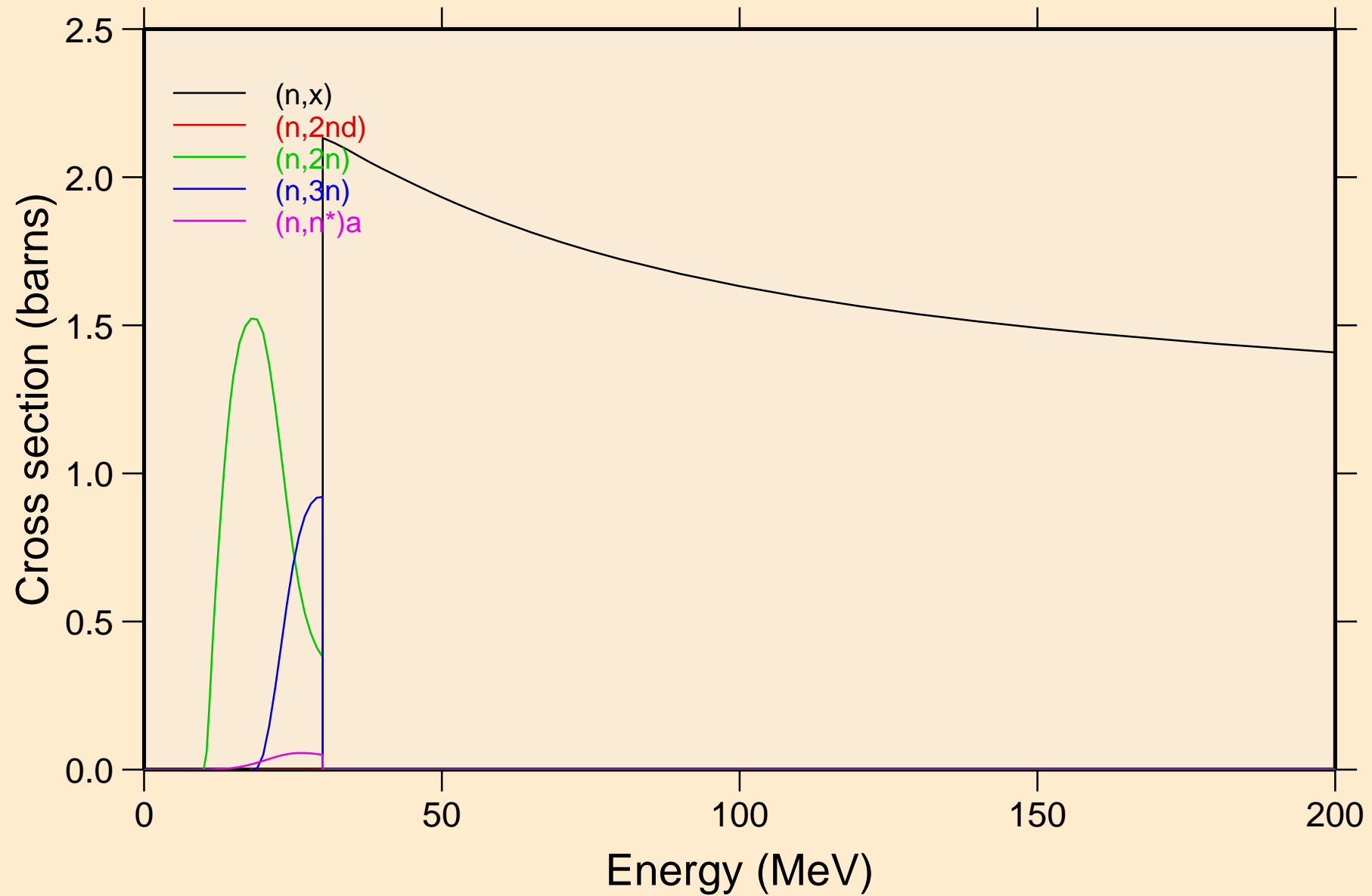


TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Inelastic levels

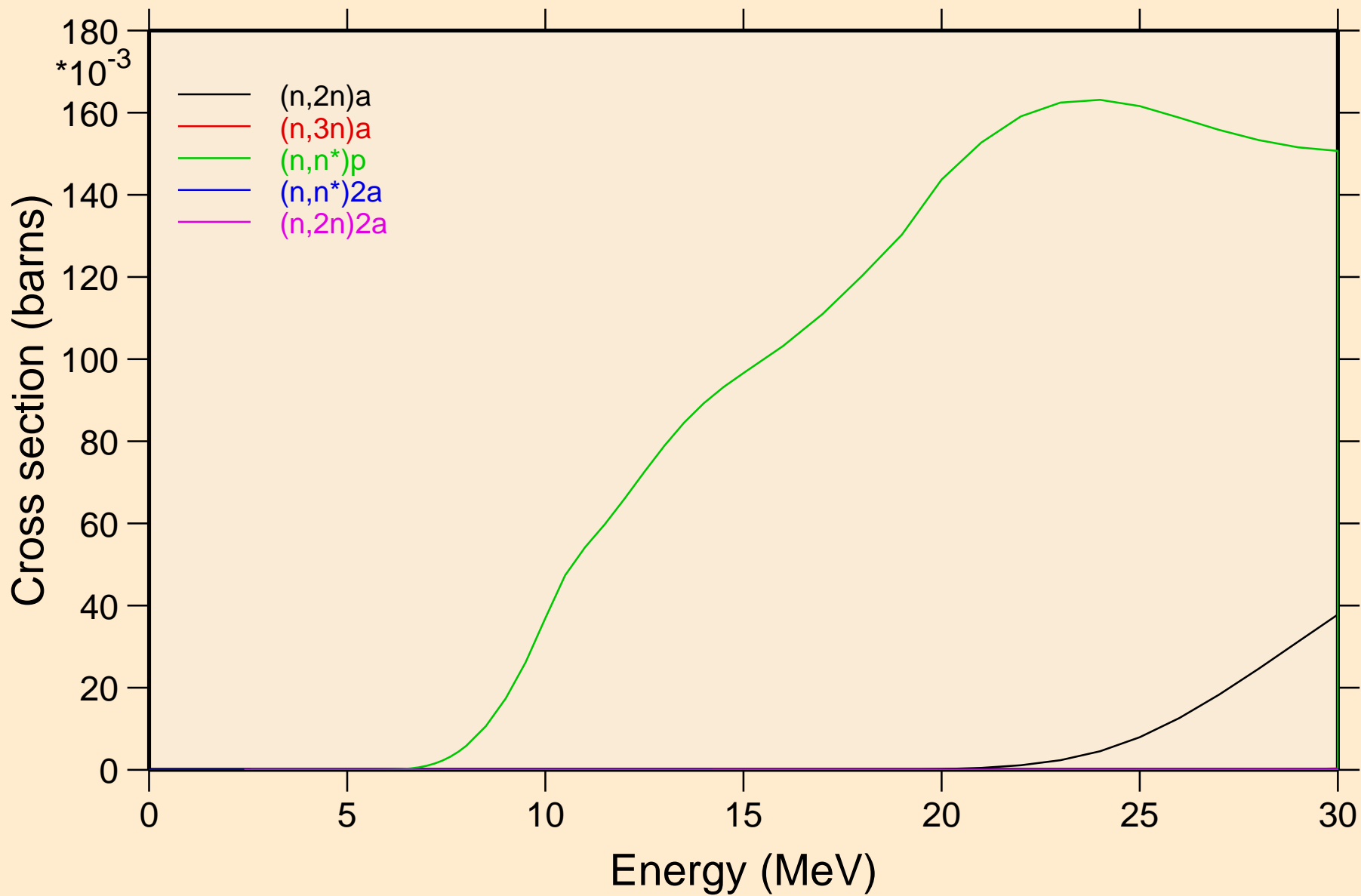


# TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

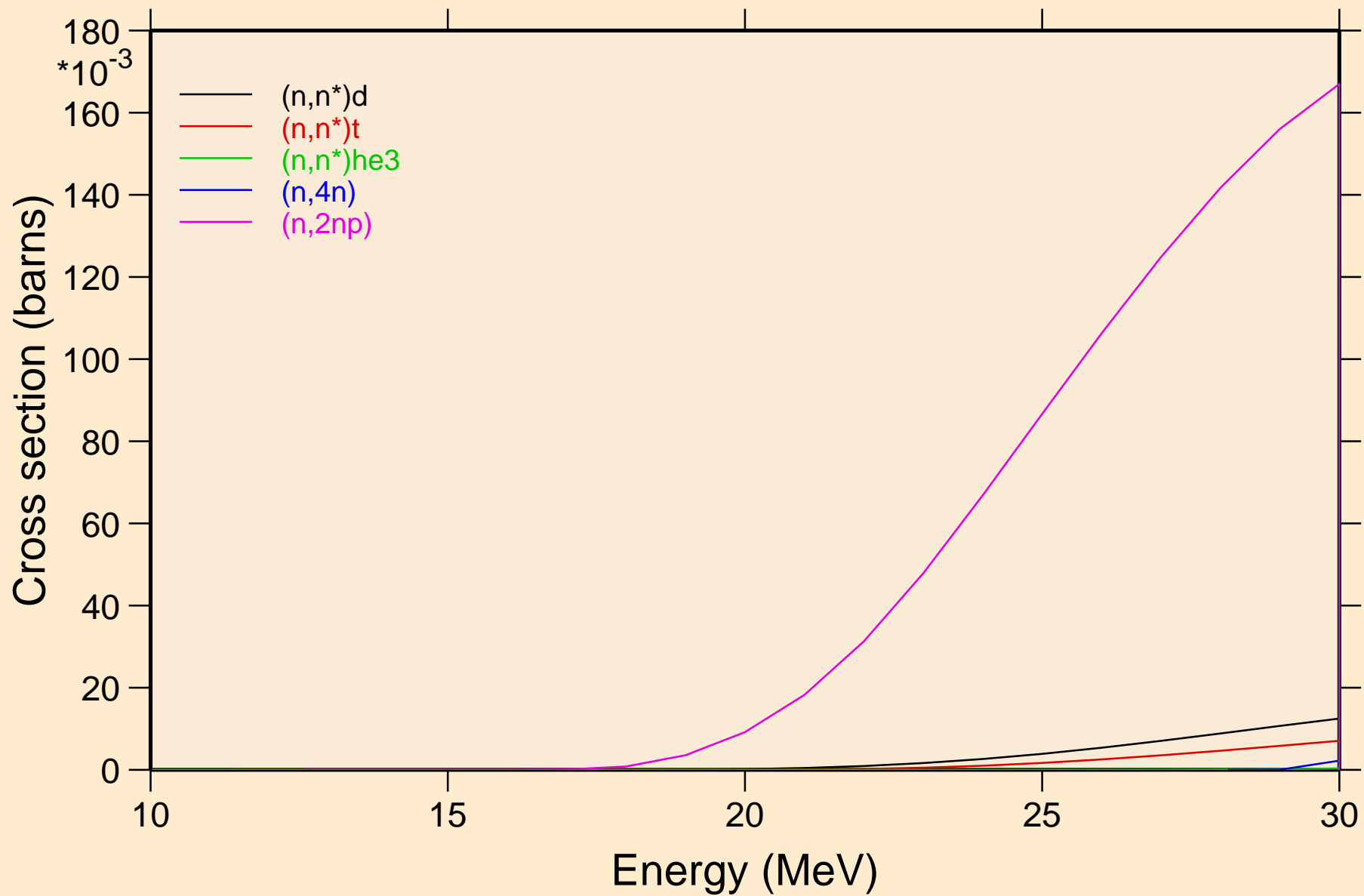
## Threshold reactions



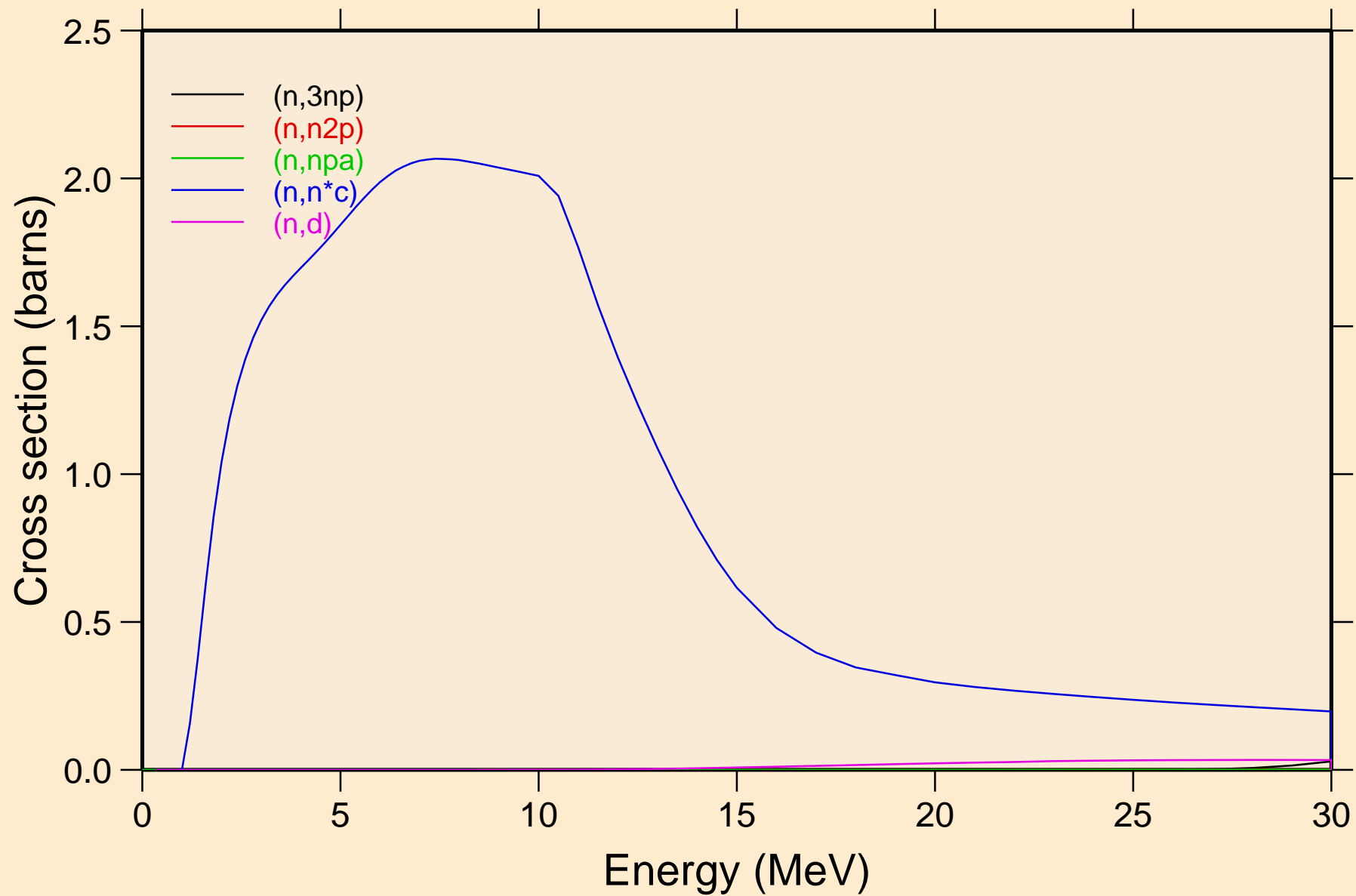
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Threshold reactions



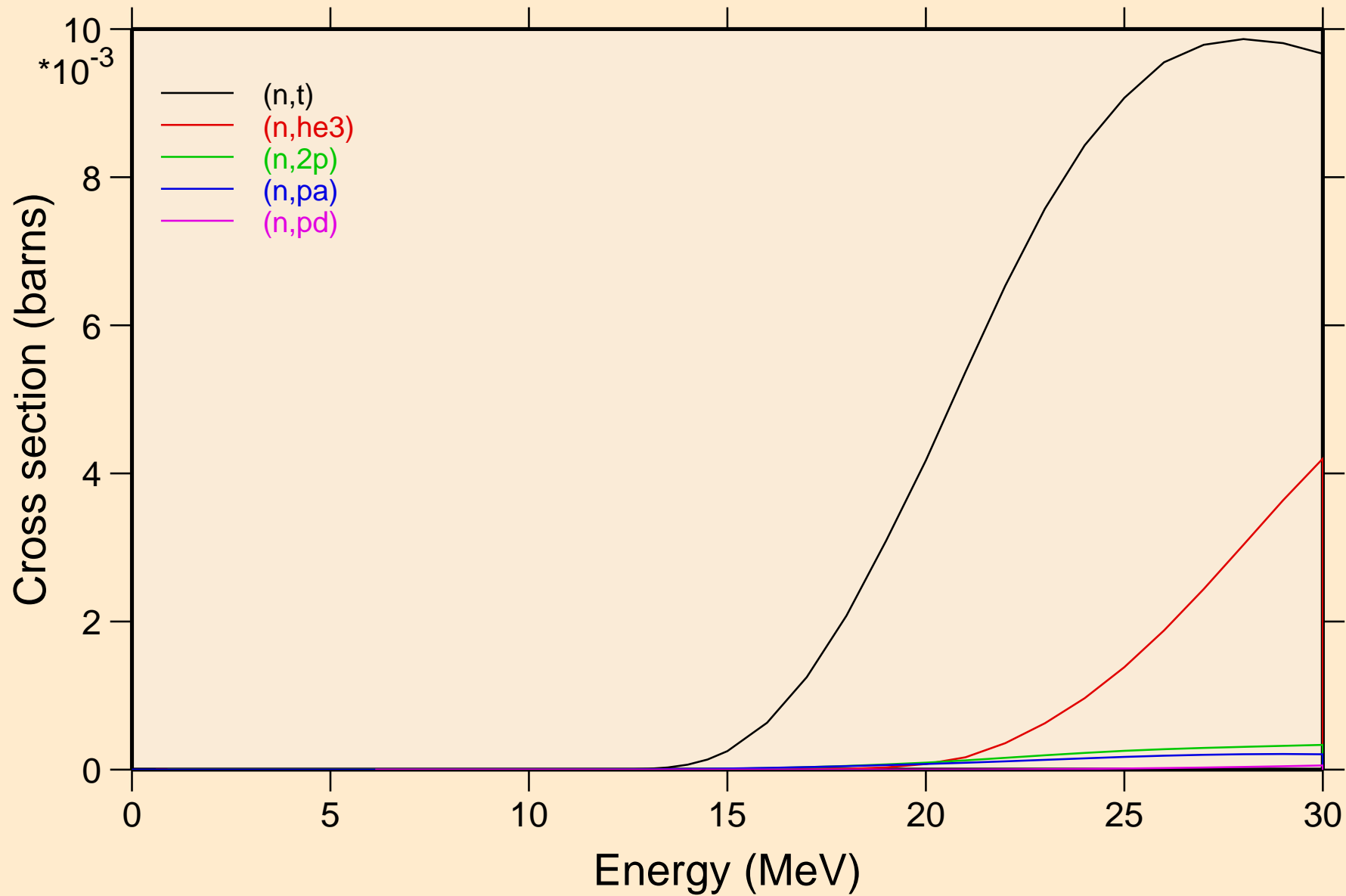
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Threshold reactions



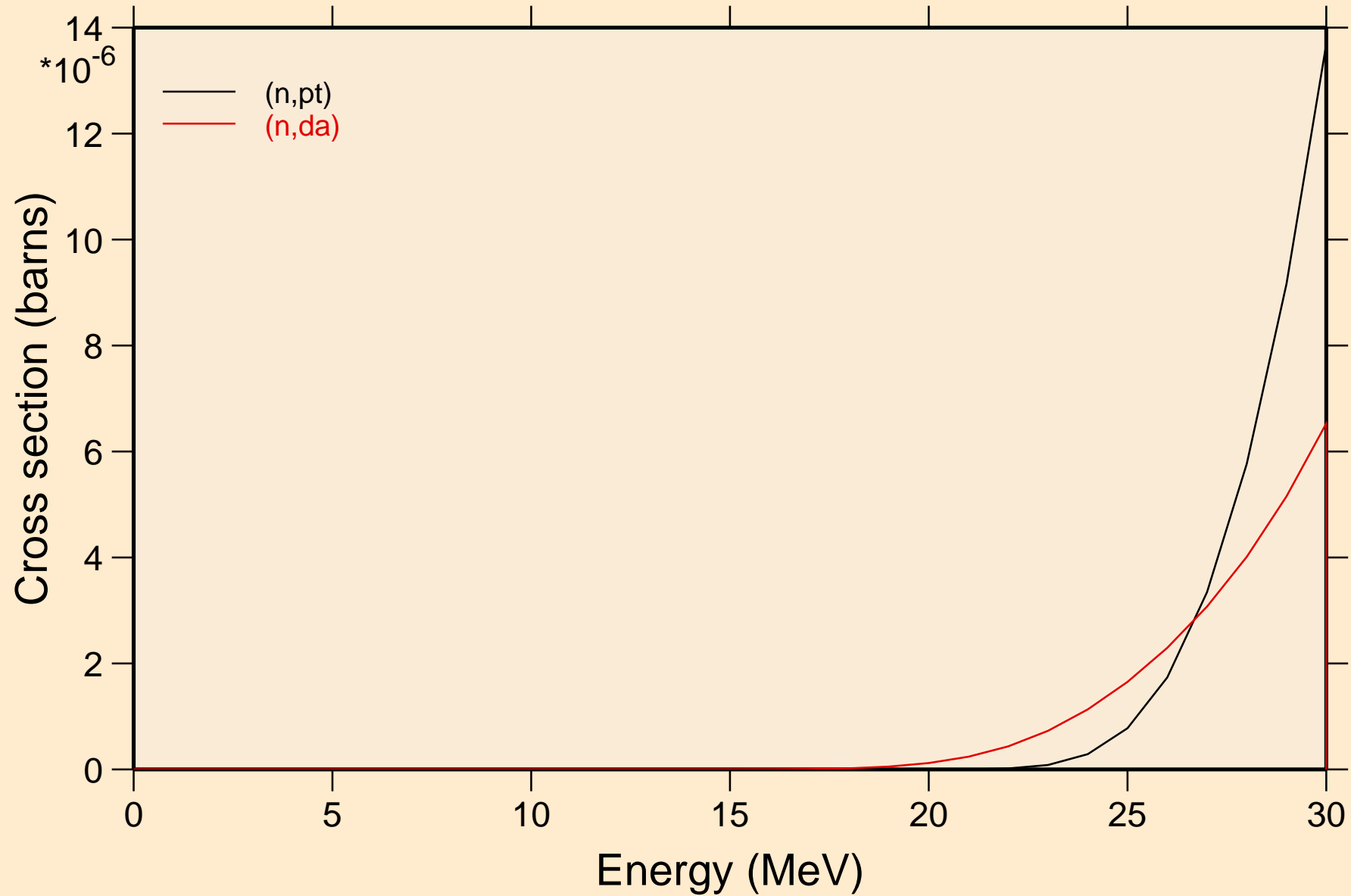
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Threshold reactions



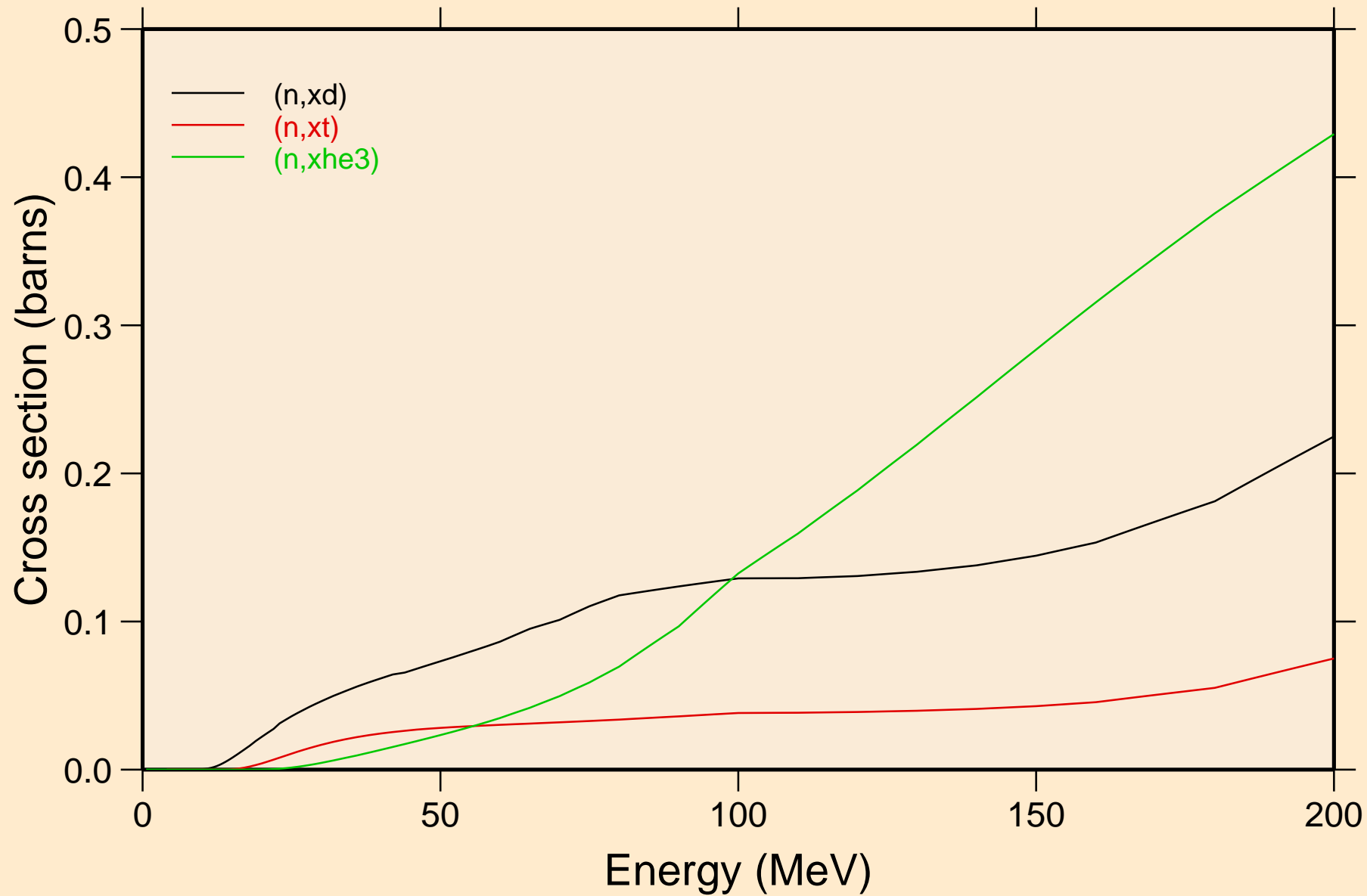
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Threshold reactions



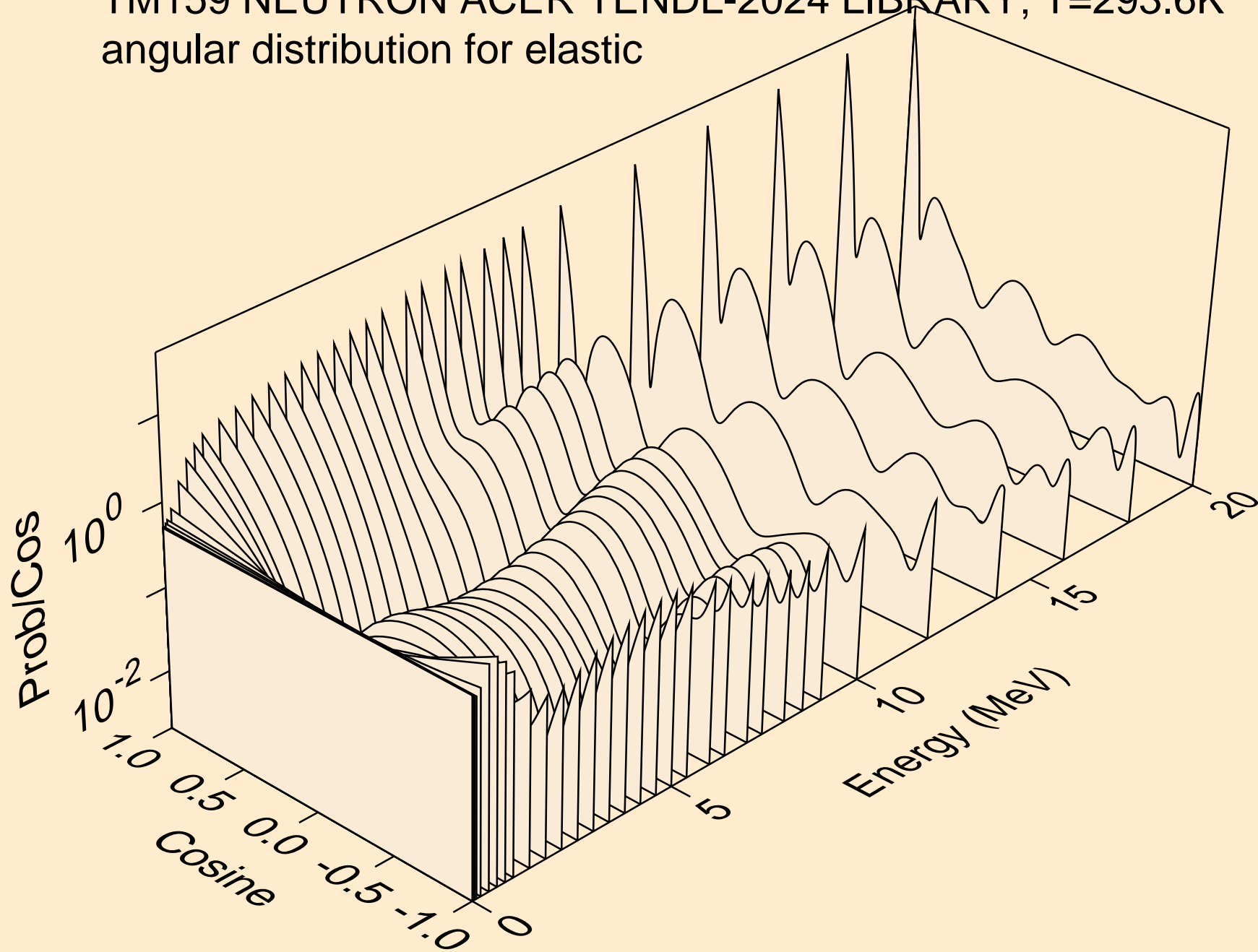
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Threshold reactions



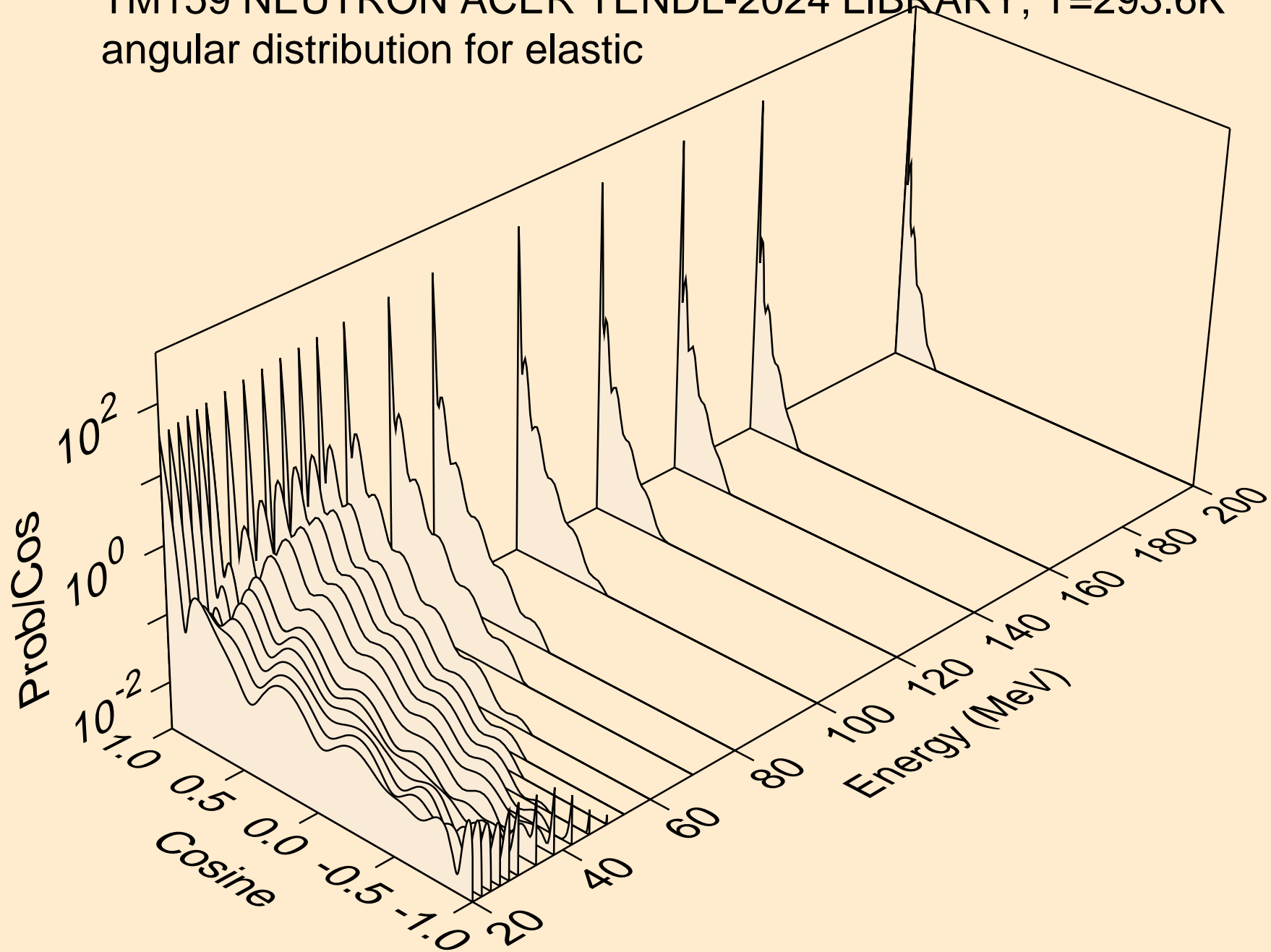
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Threshold reactions



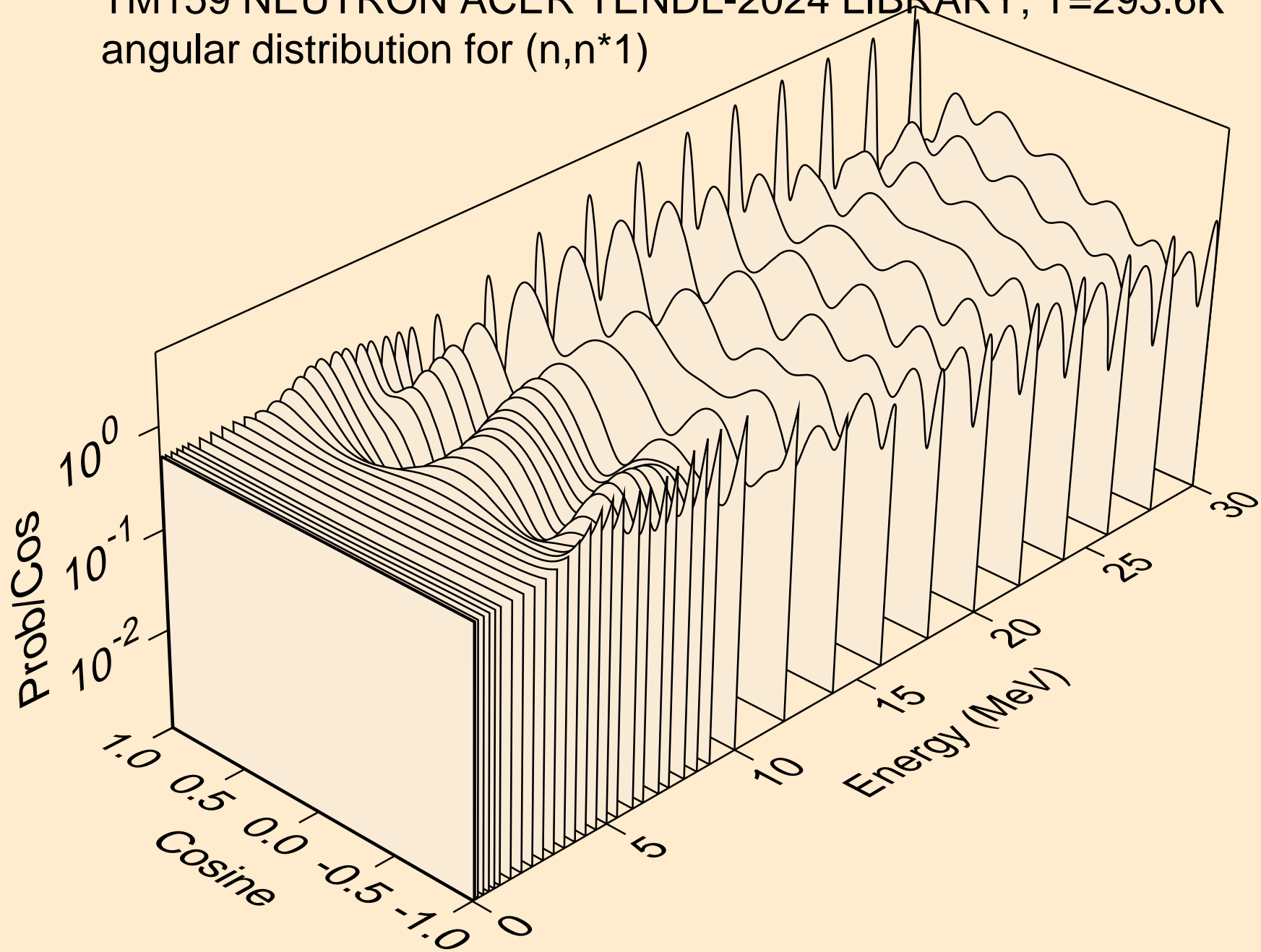
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for elastic



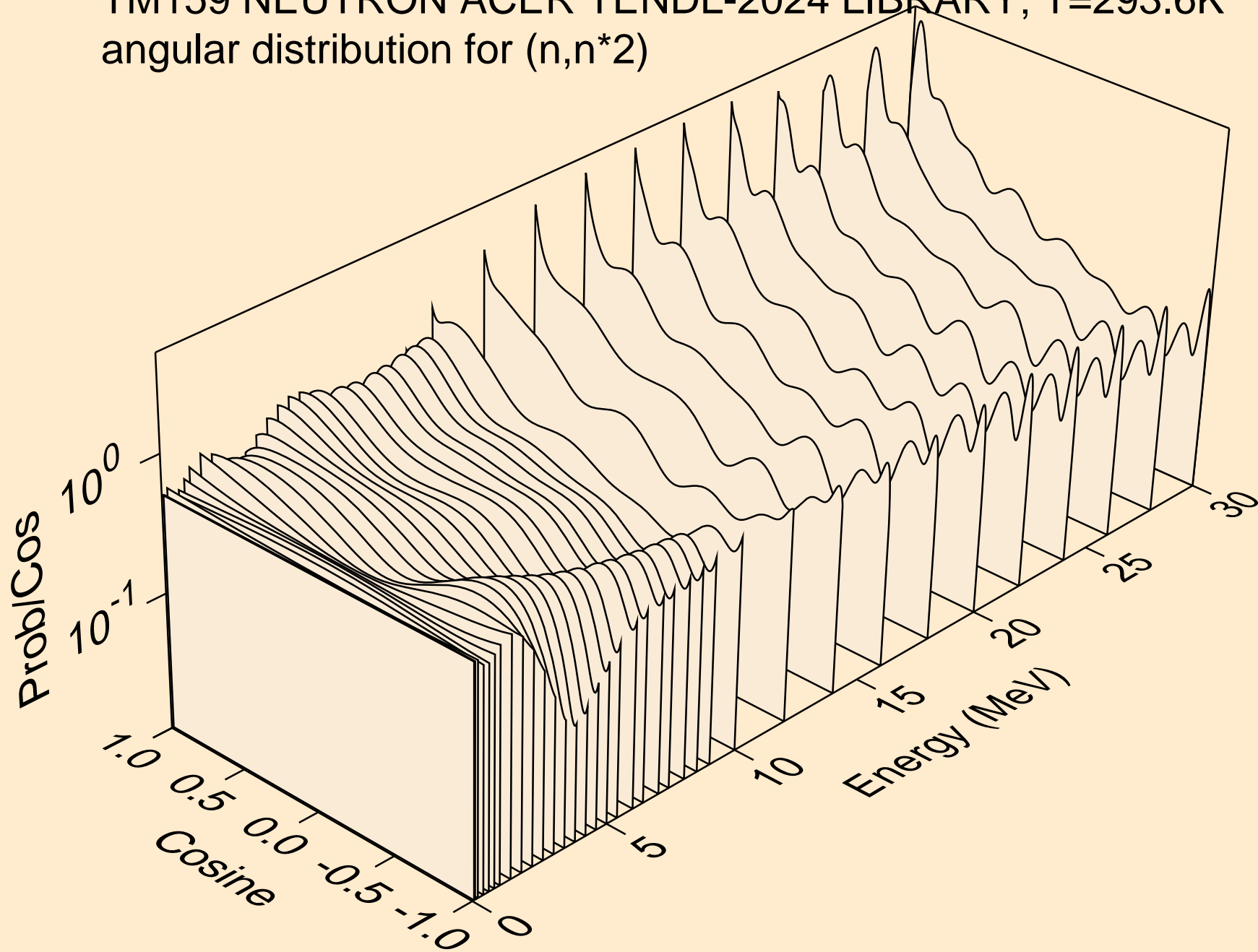
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for elastic



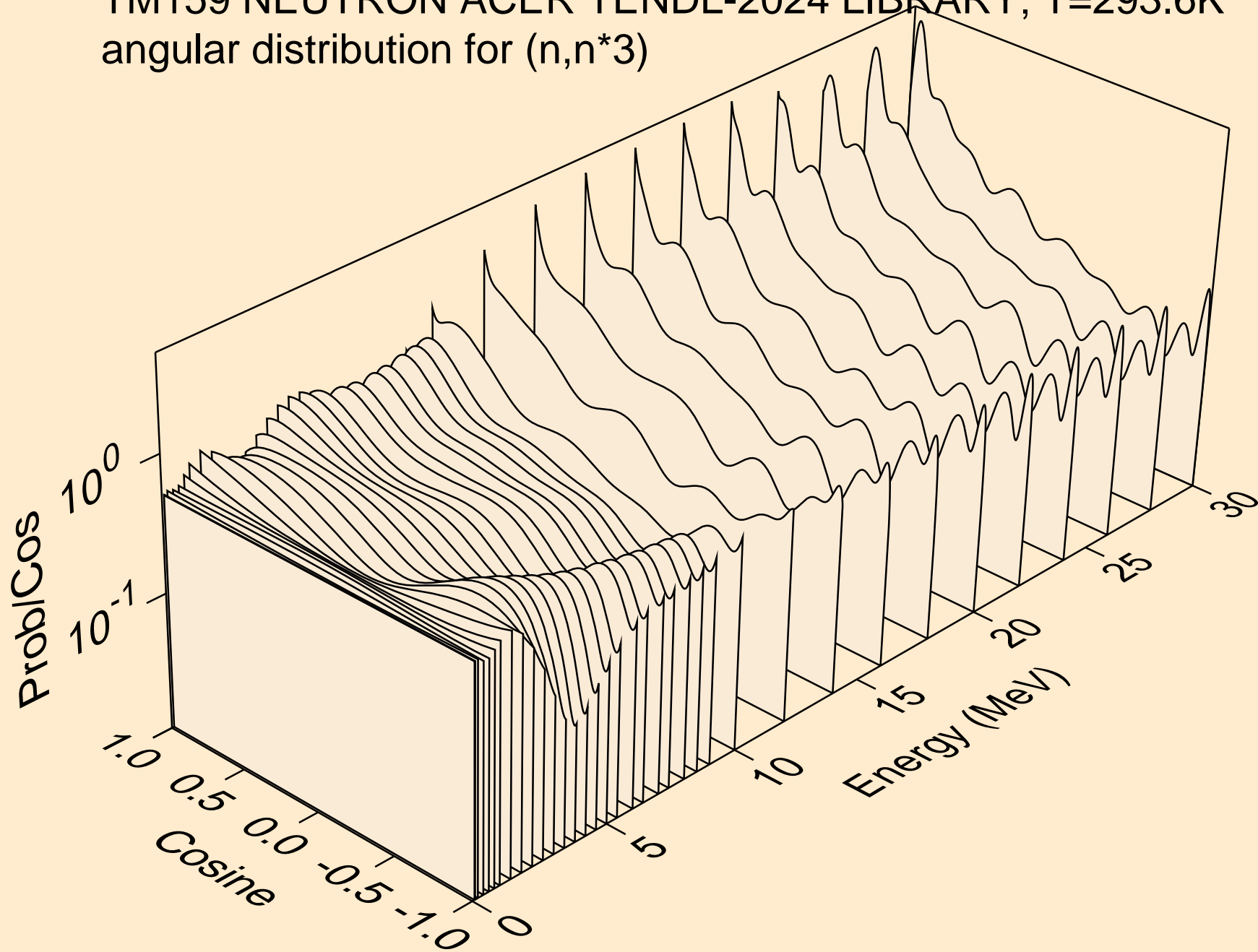
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*1)



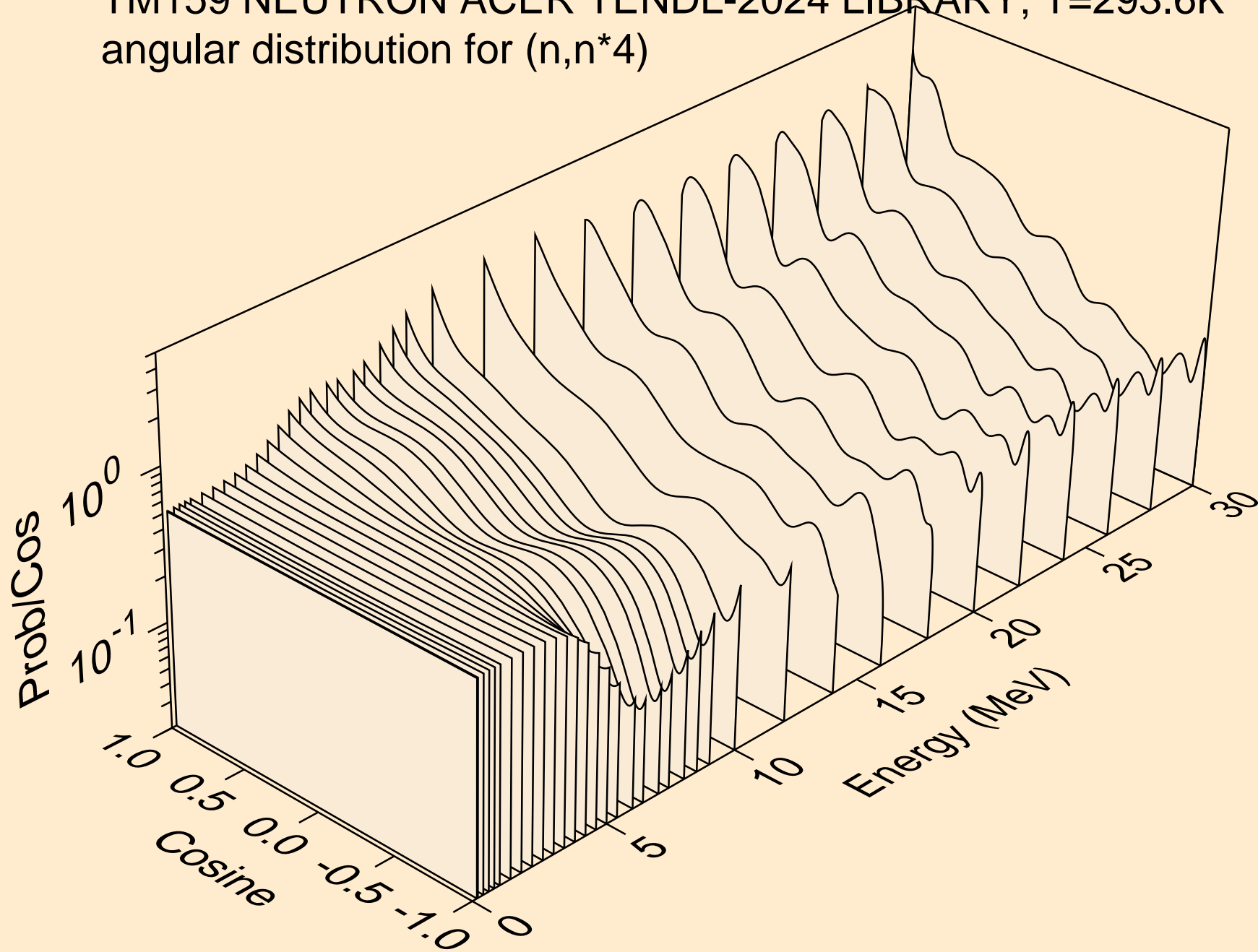
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*2)



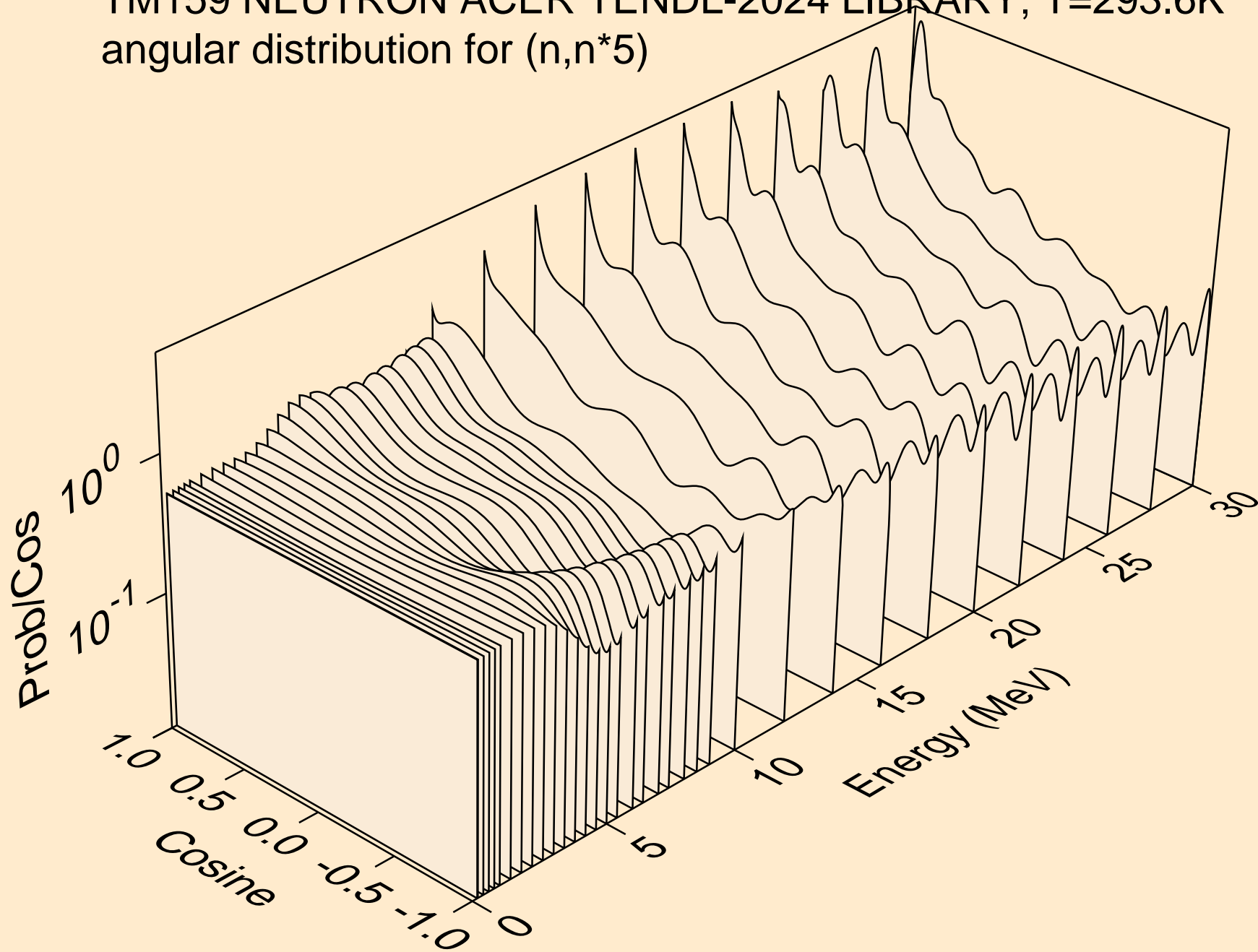
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*3)



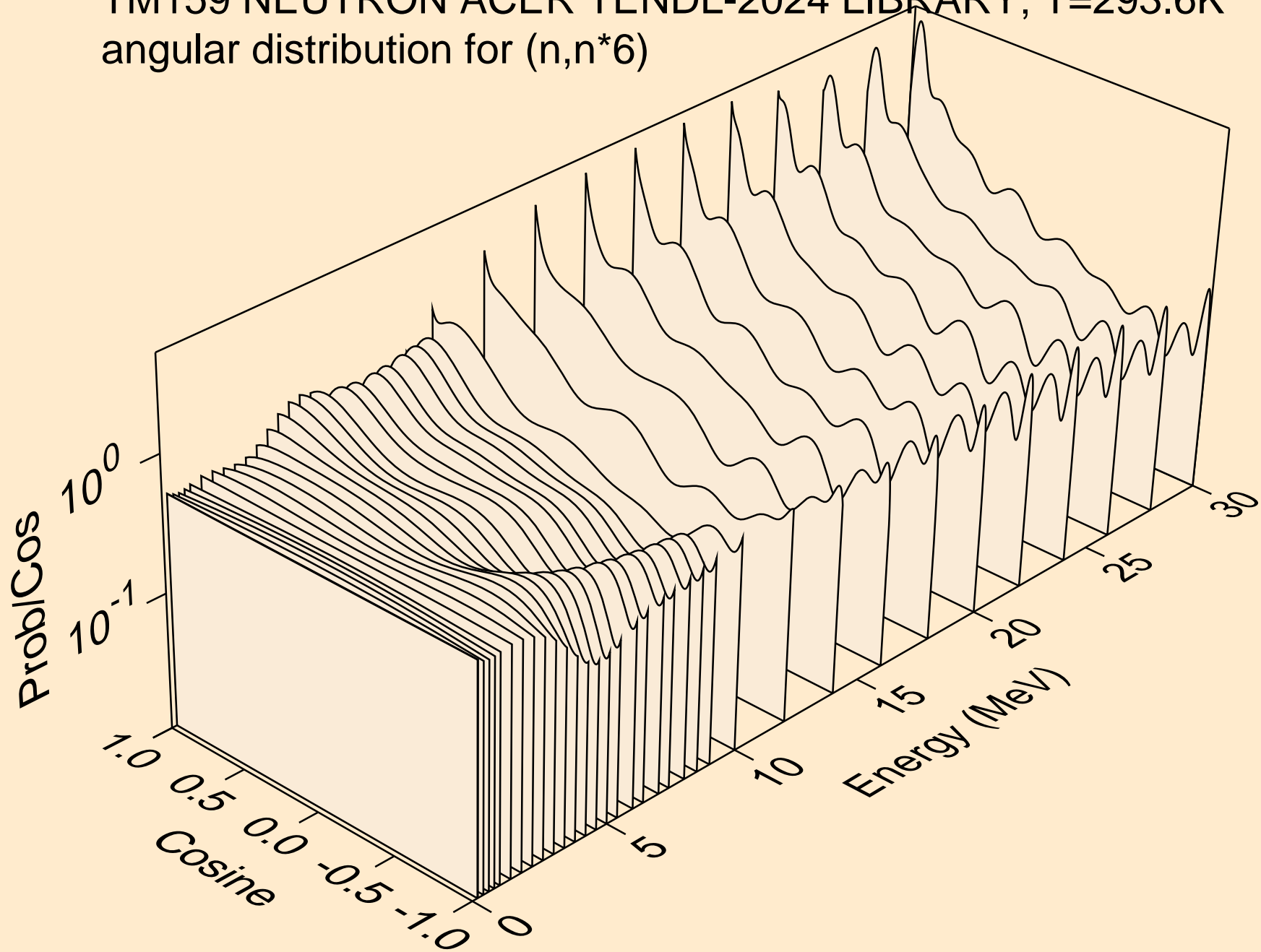
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*4)



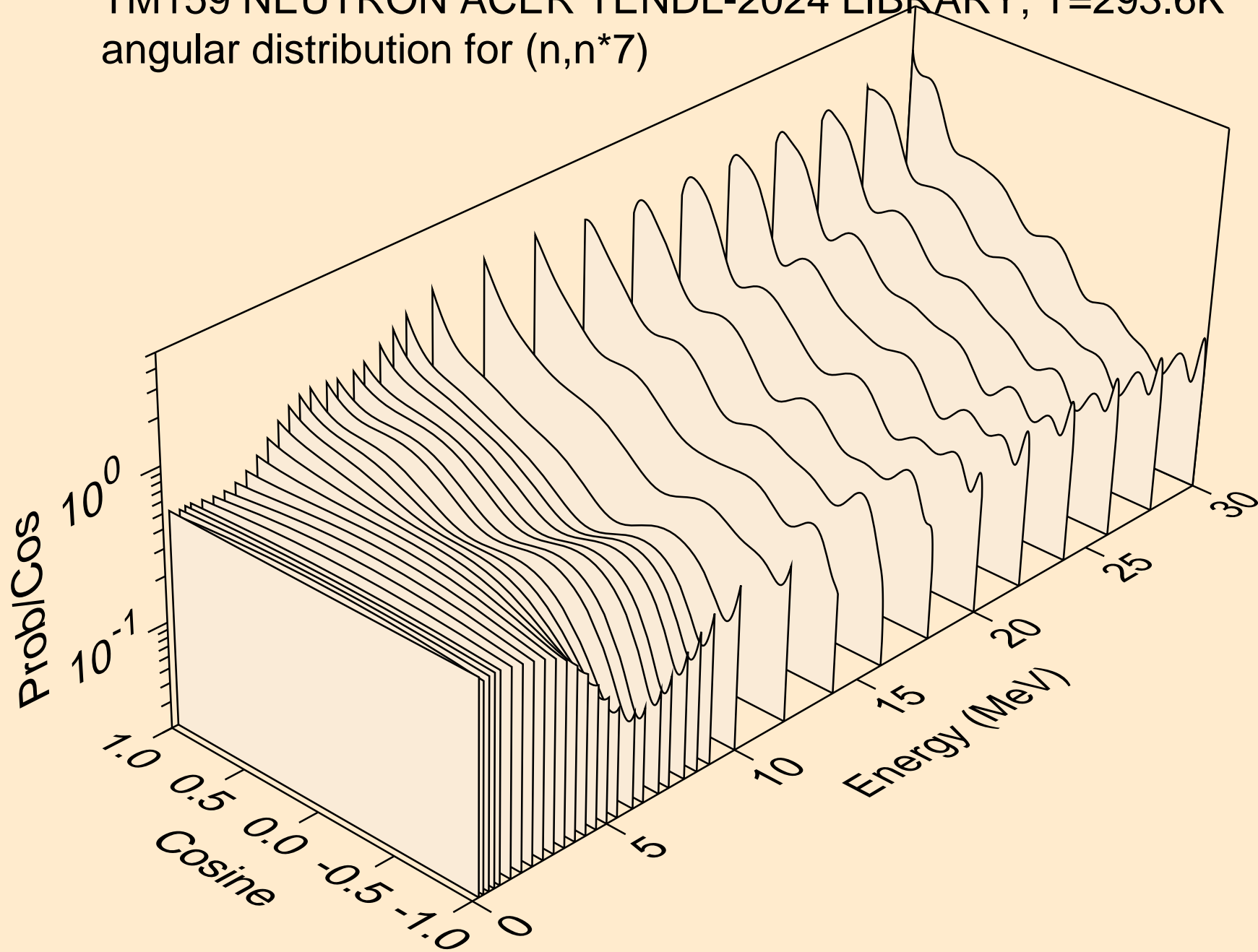
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*5)



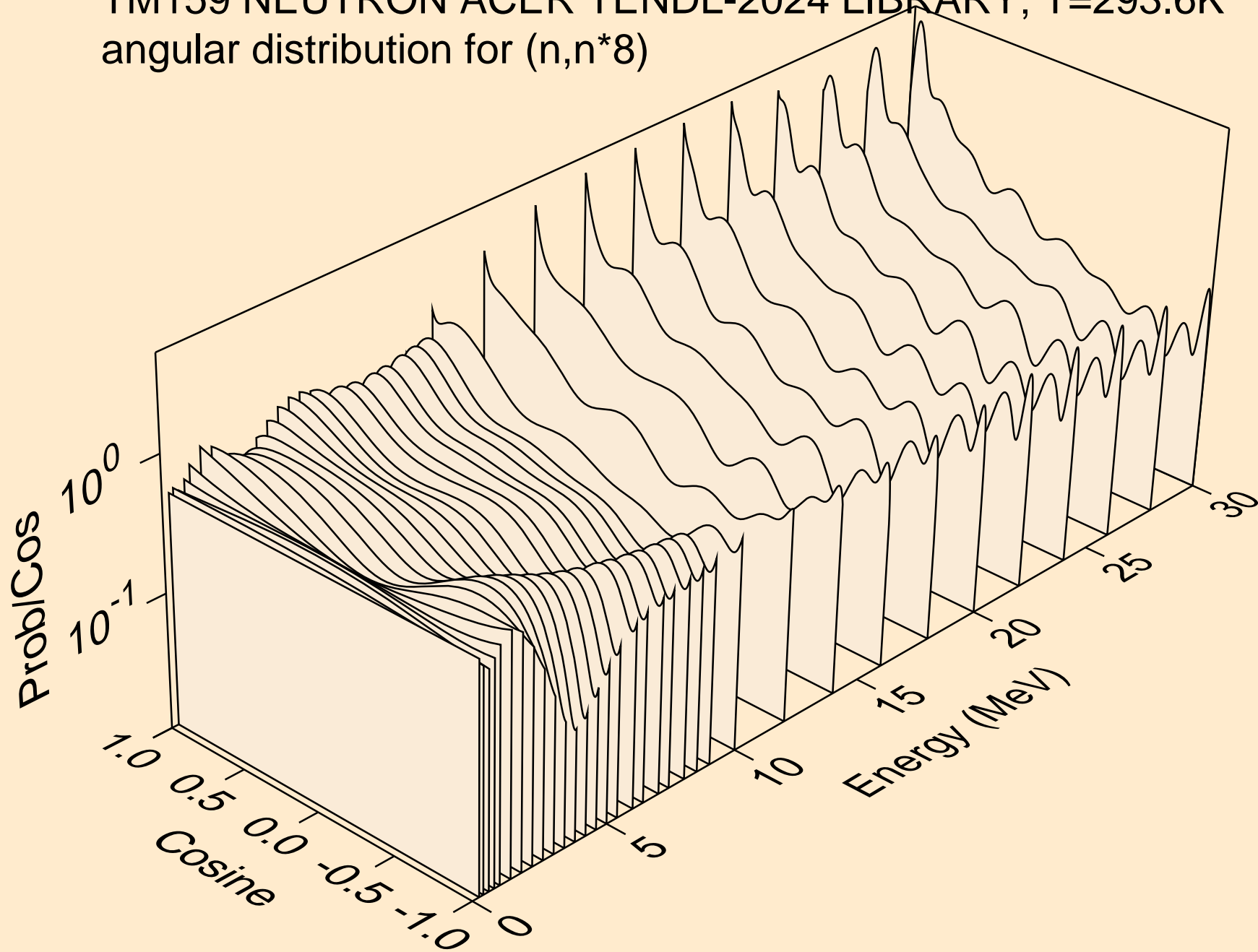
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*6)



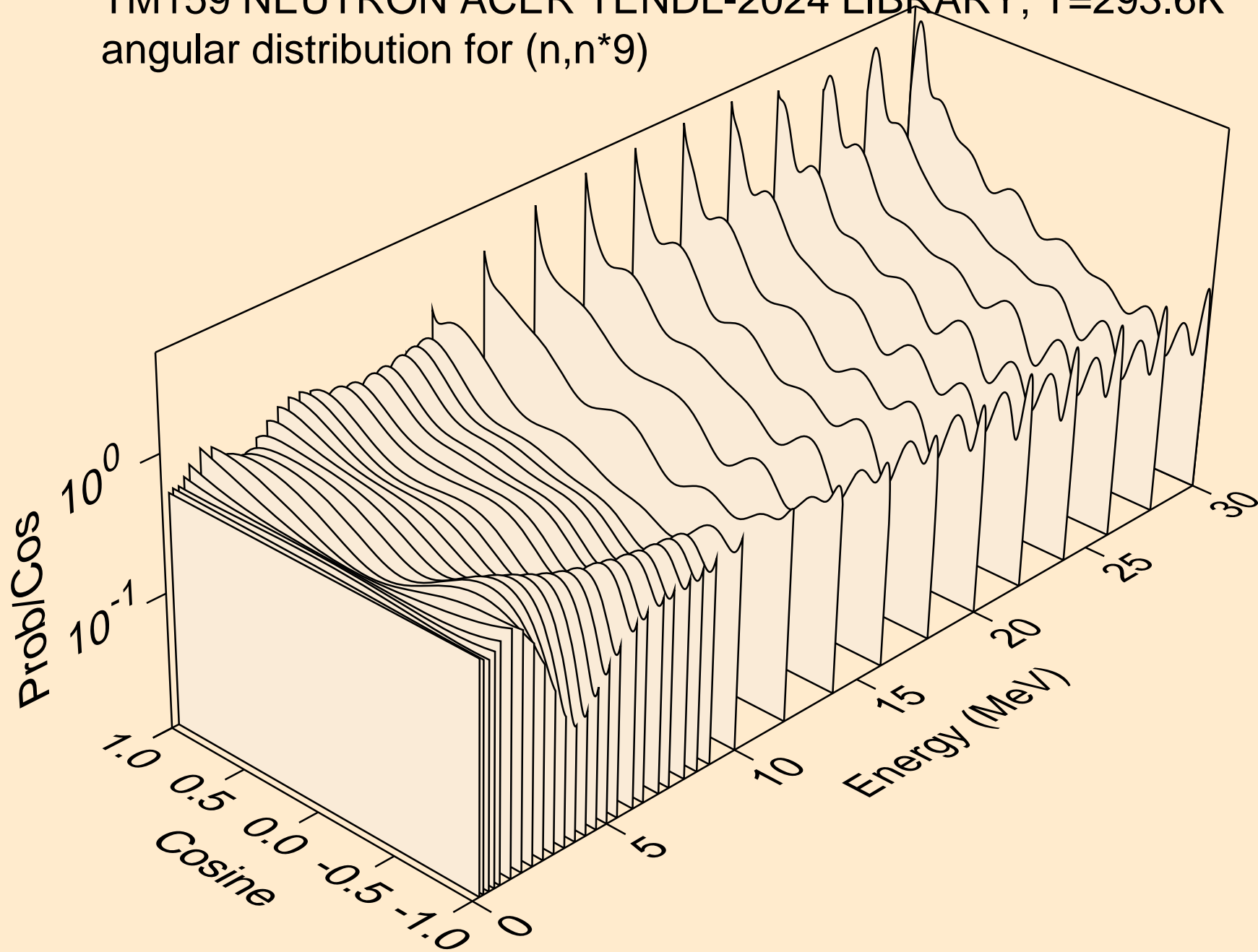
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*7)



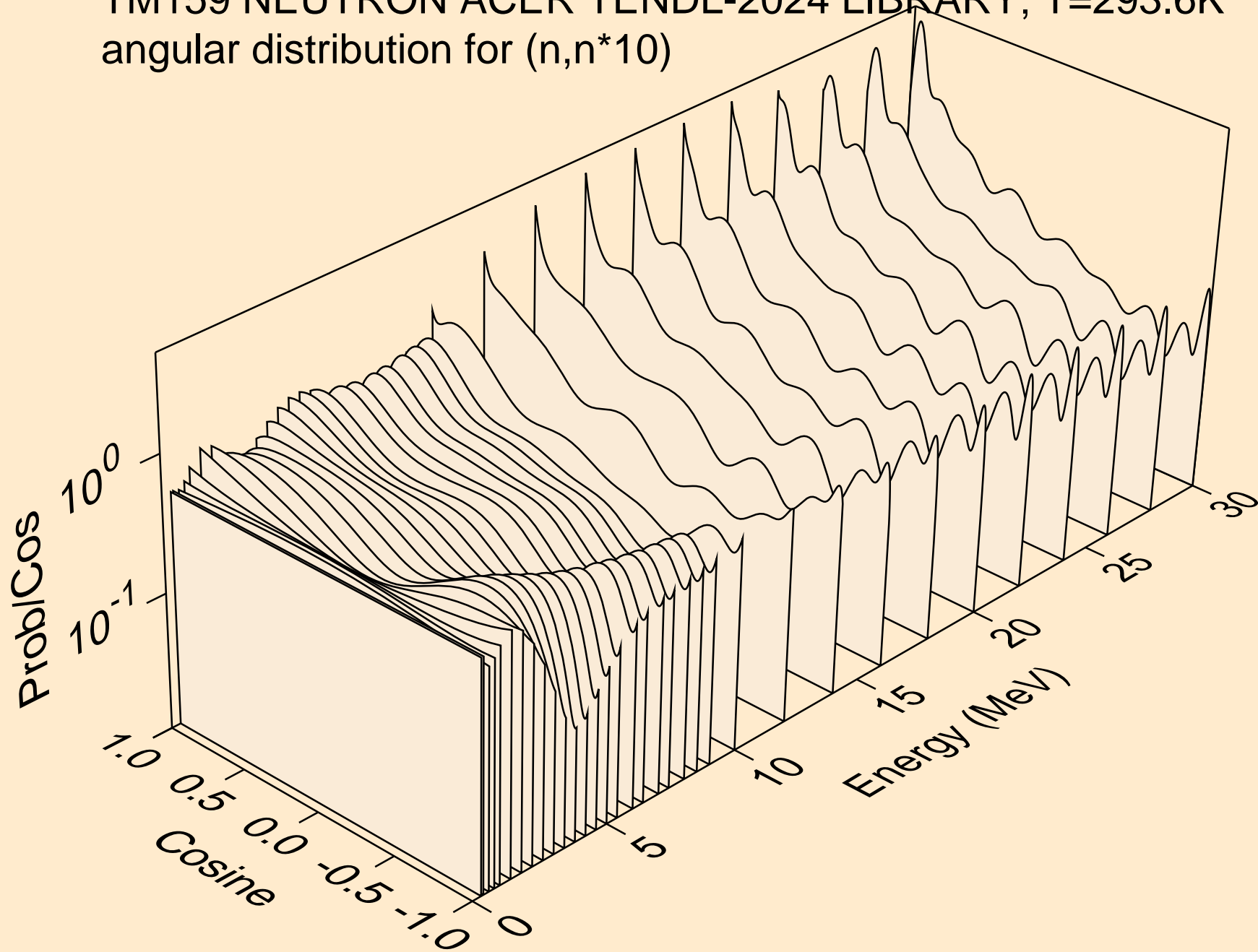
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*8)



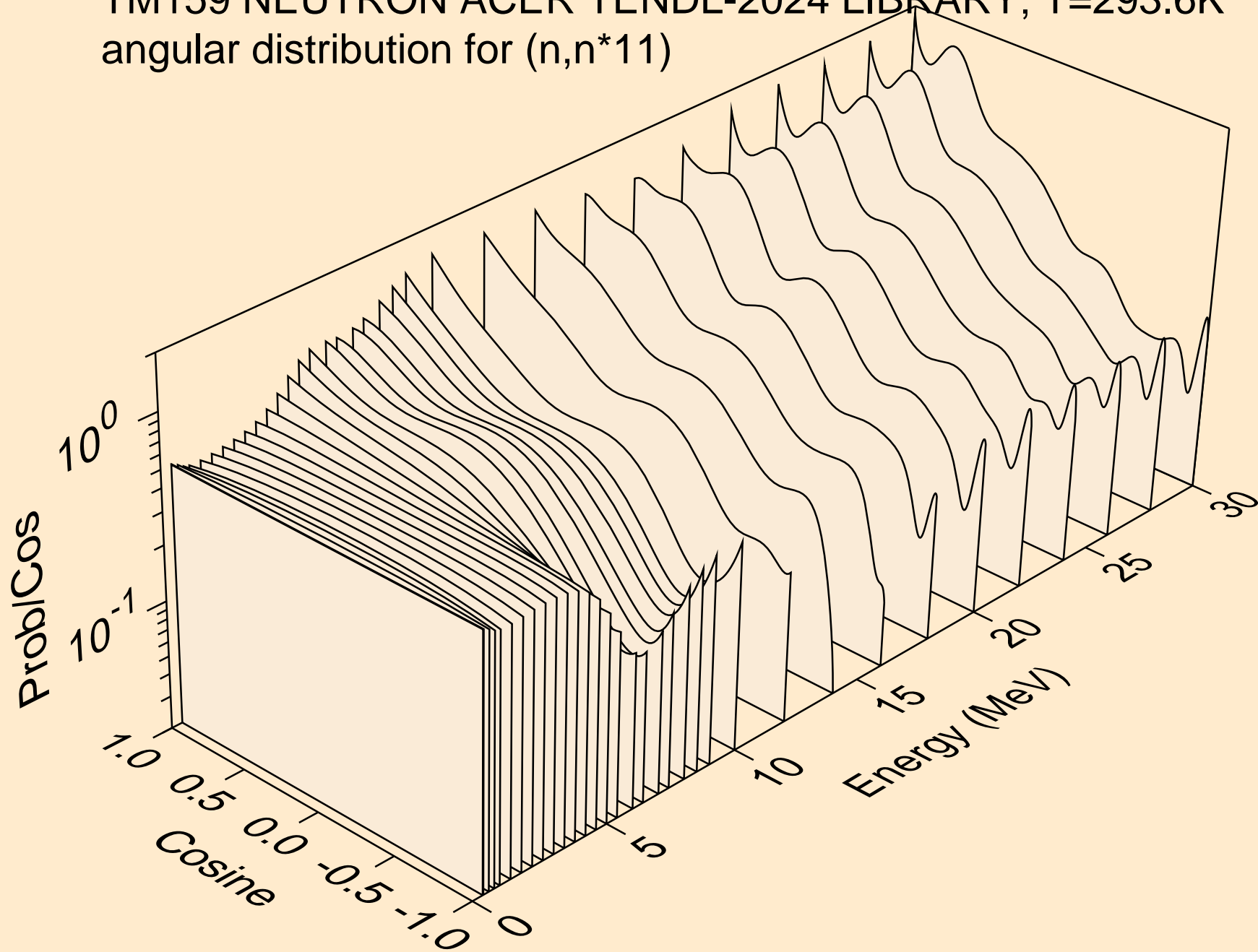
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*9)



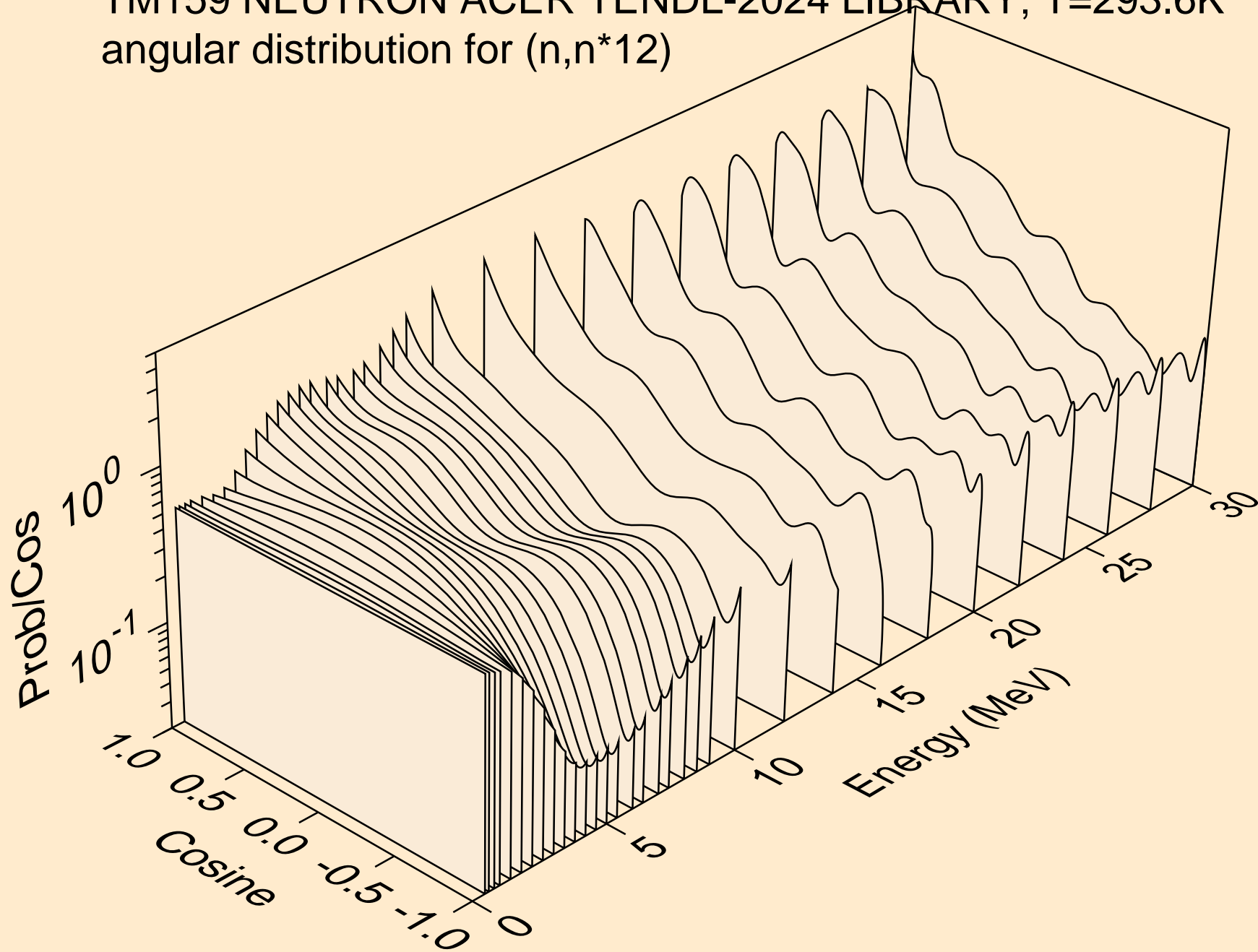
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*10)



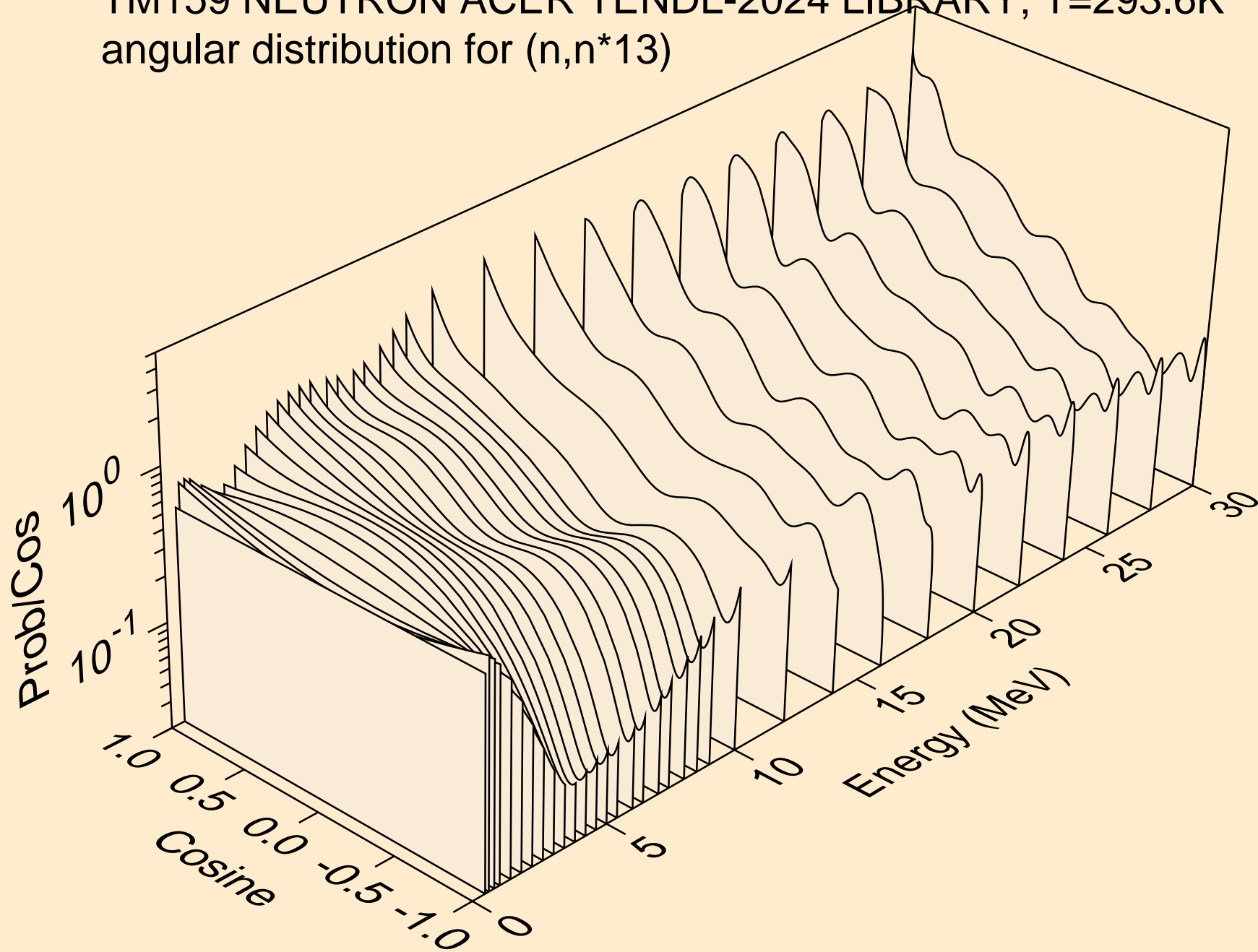
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*11)



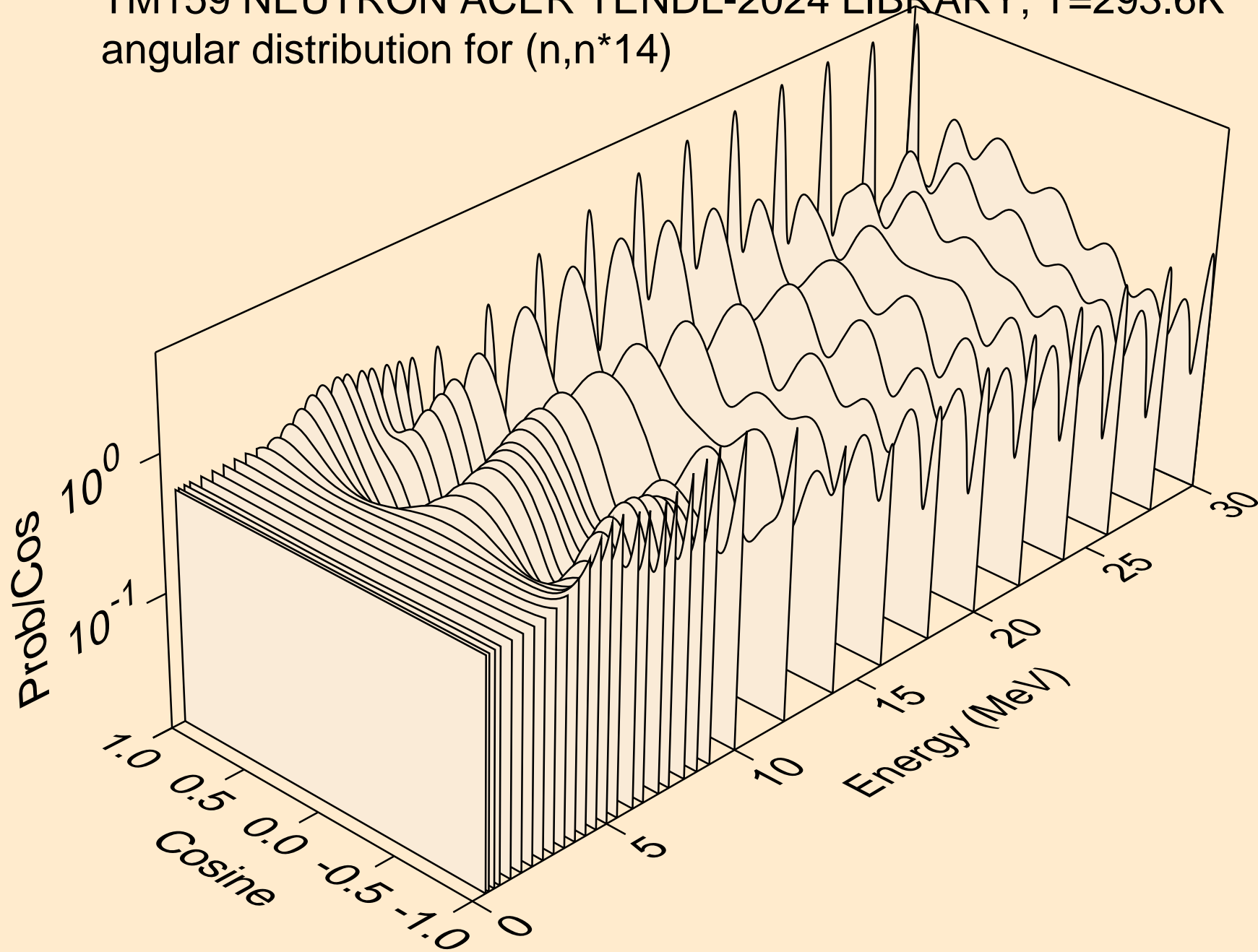
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*12)



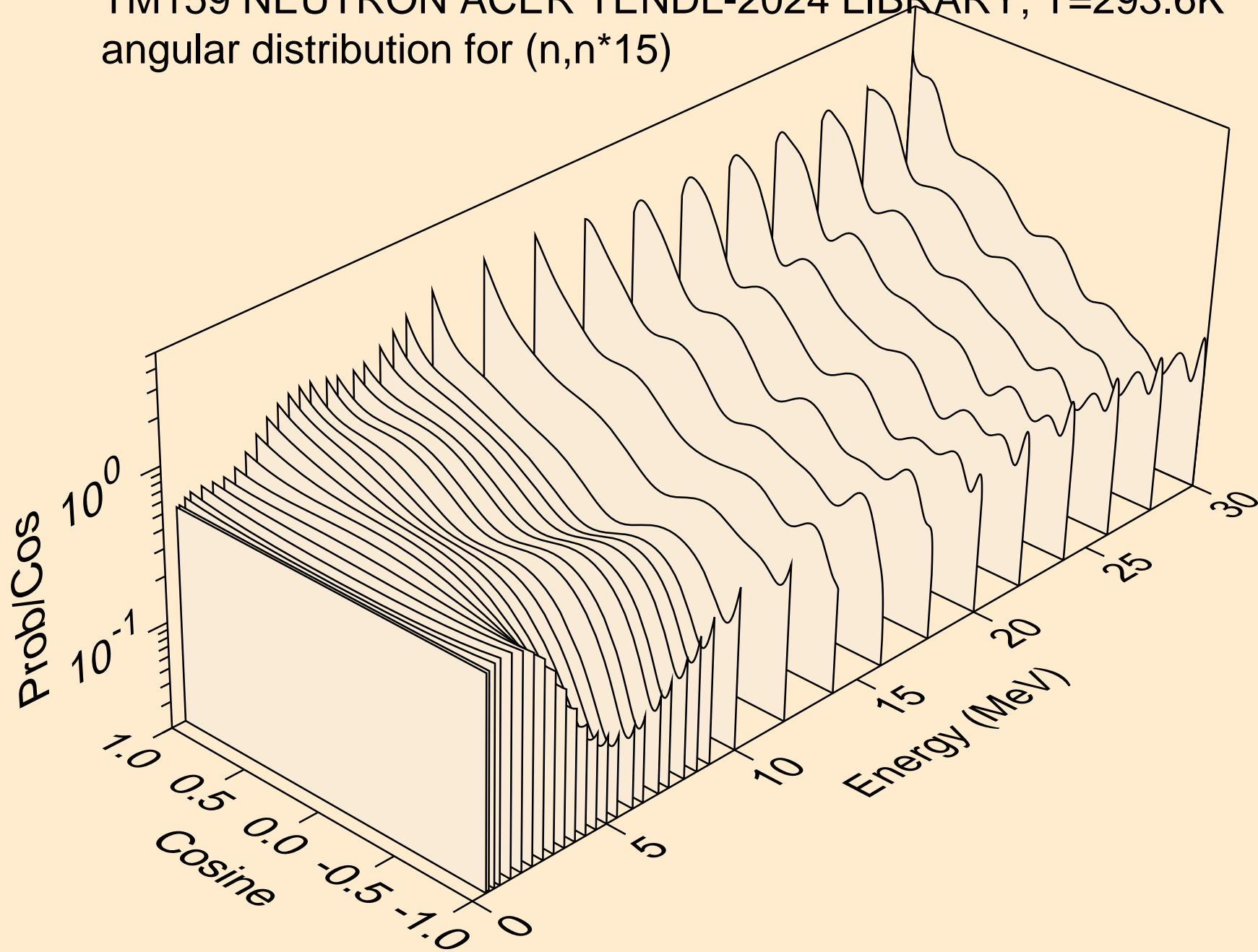
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*13)



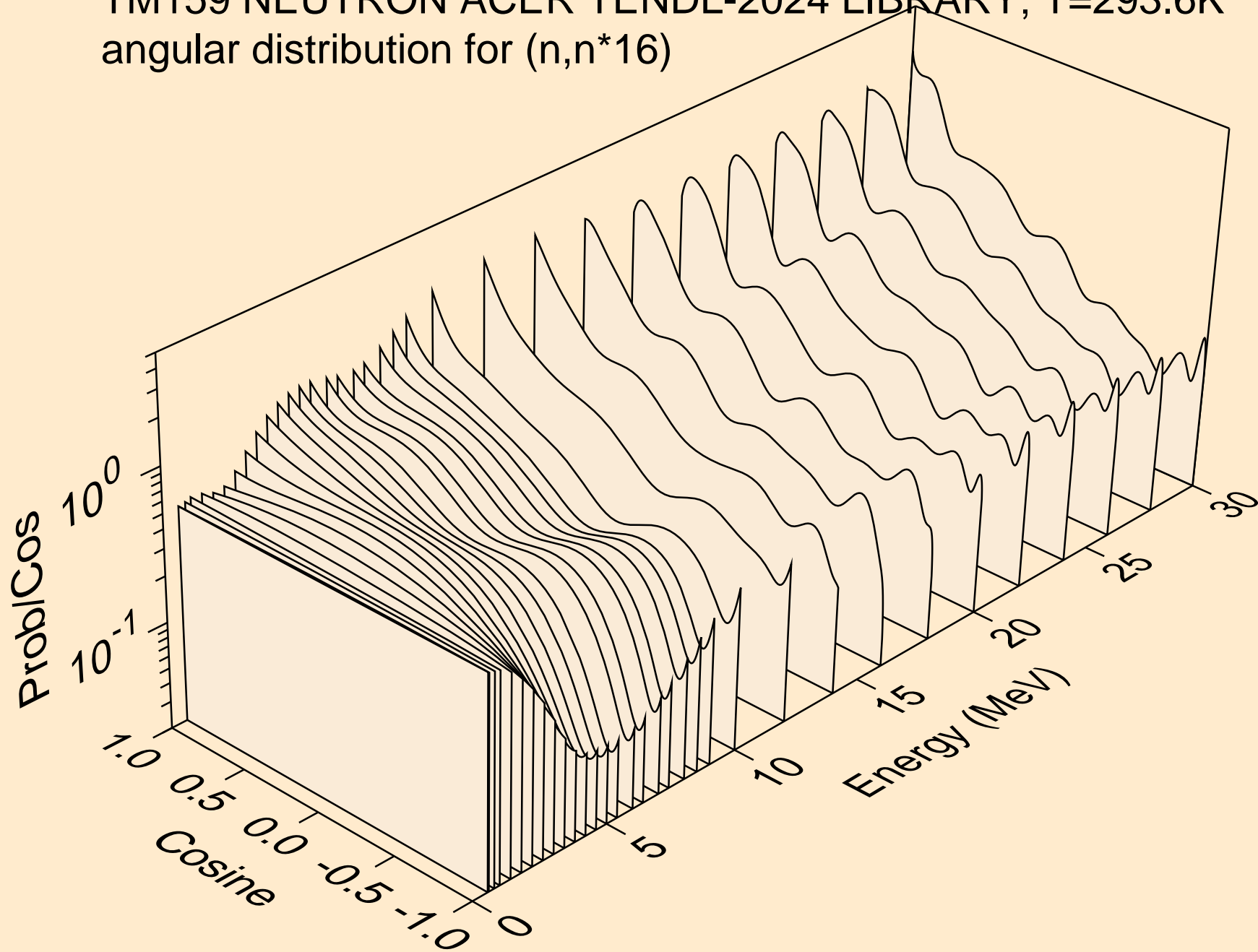
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*14)



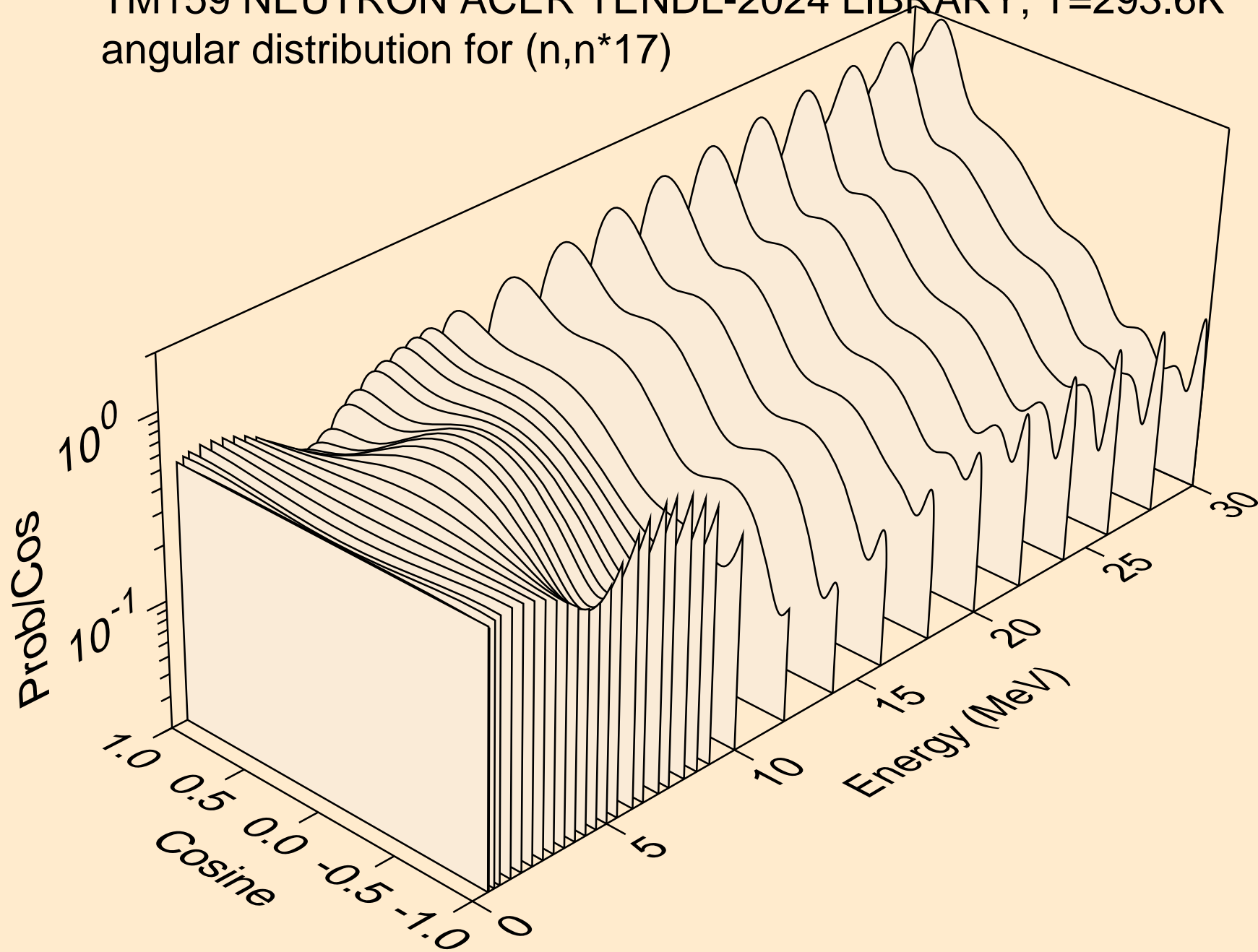
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*15)



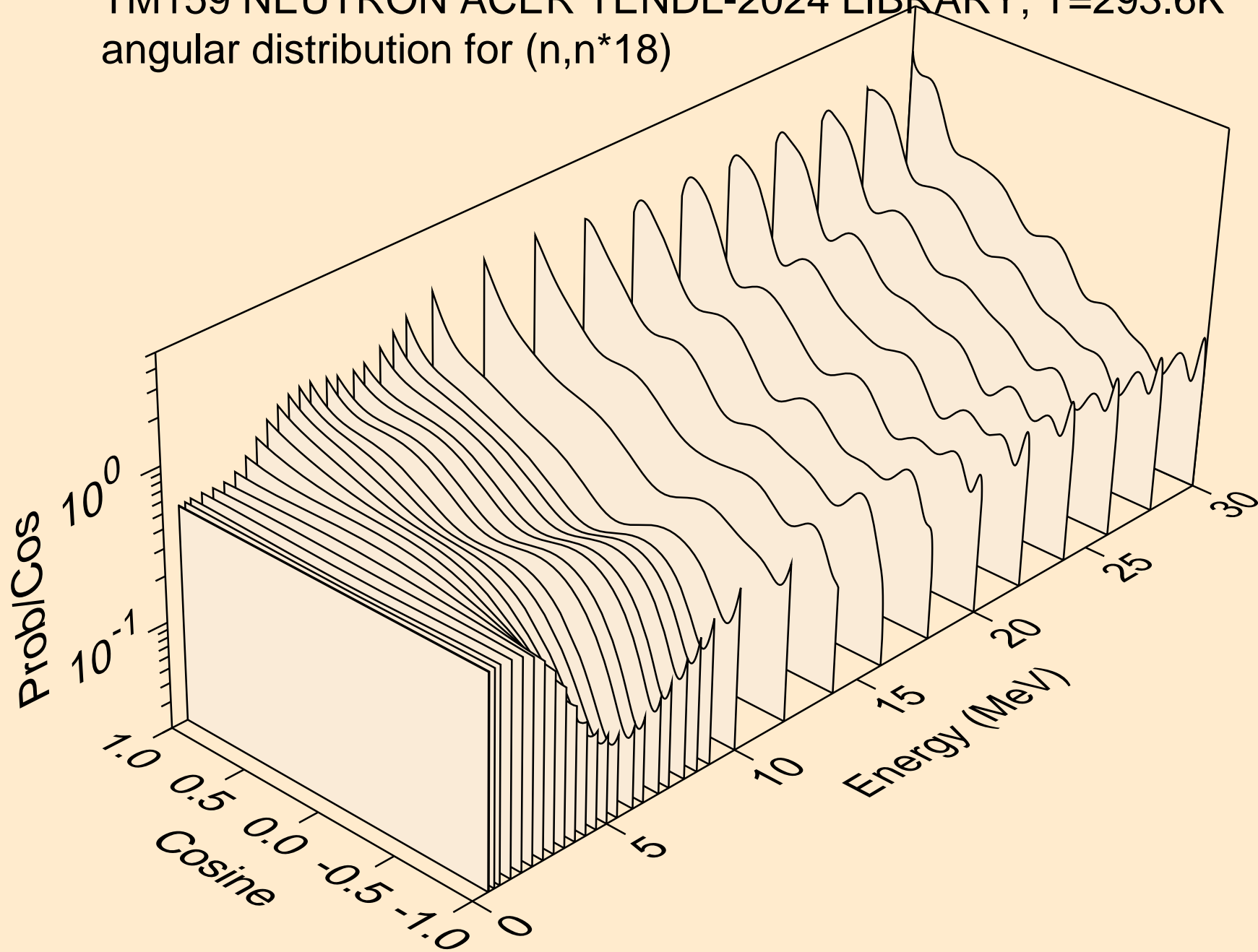
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*16)



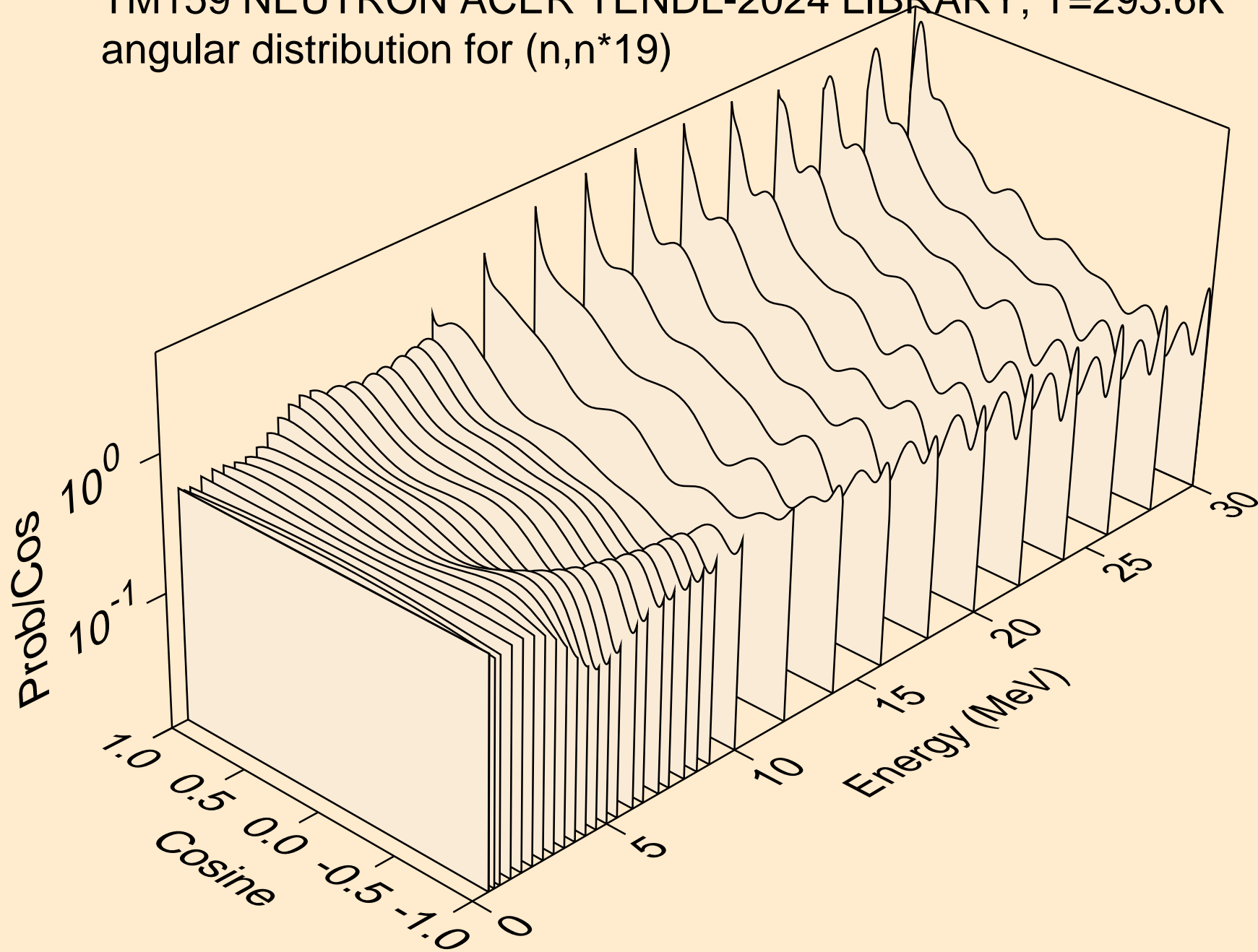
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*17)



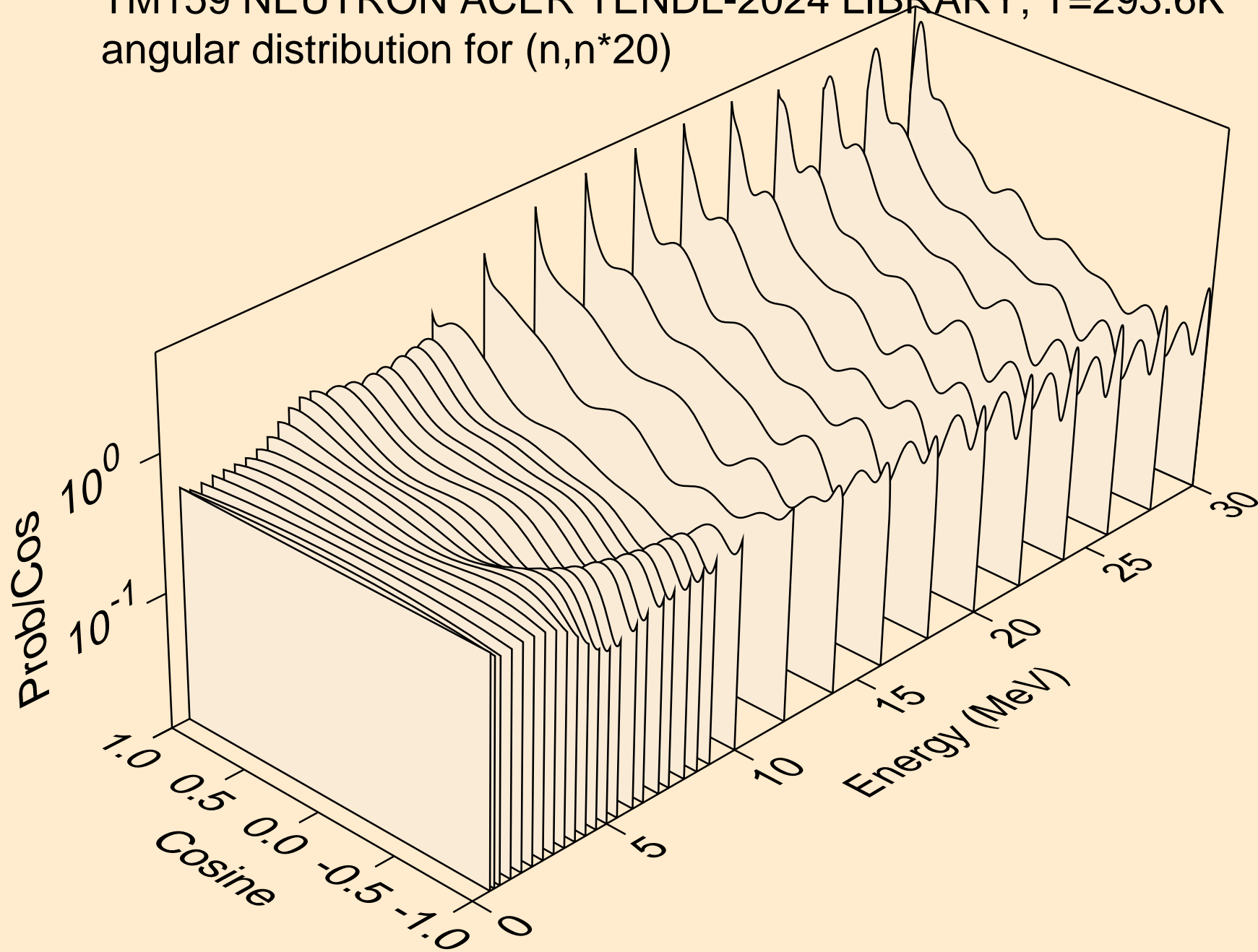
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*18)



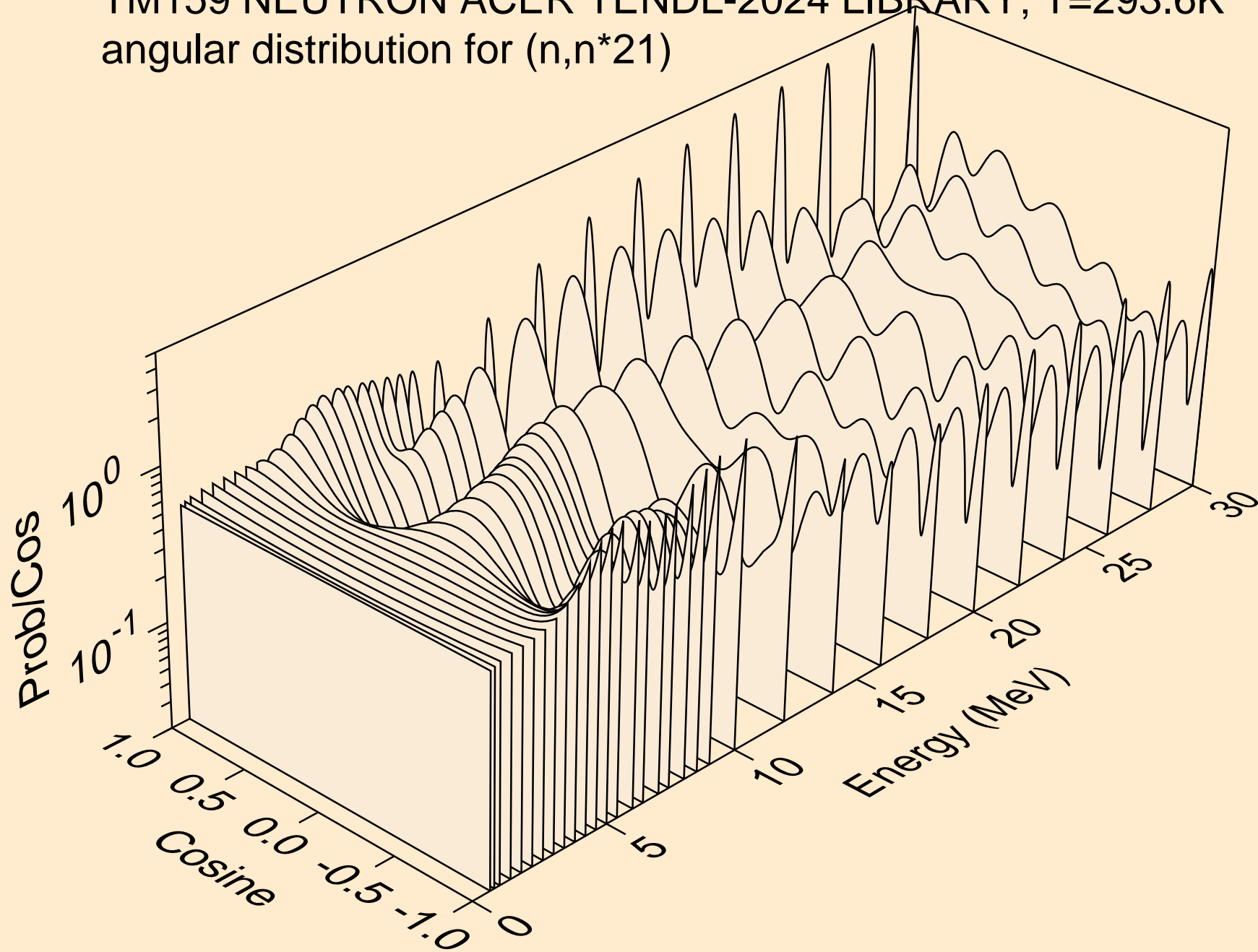
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*19)



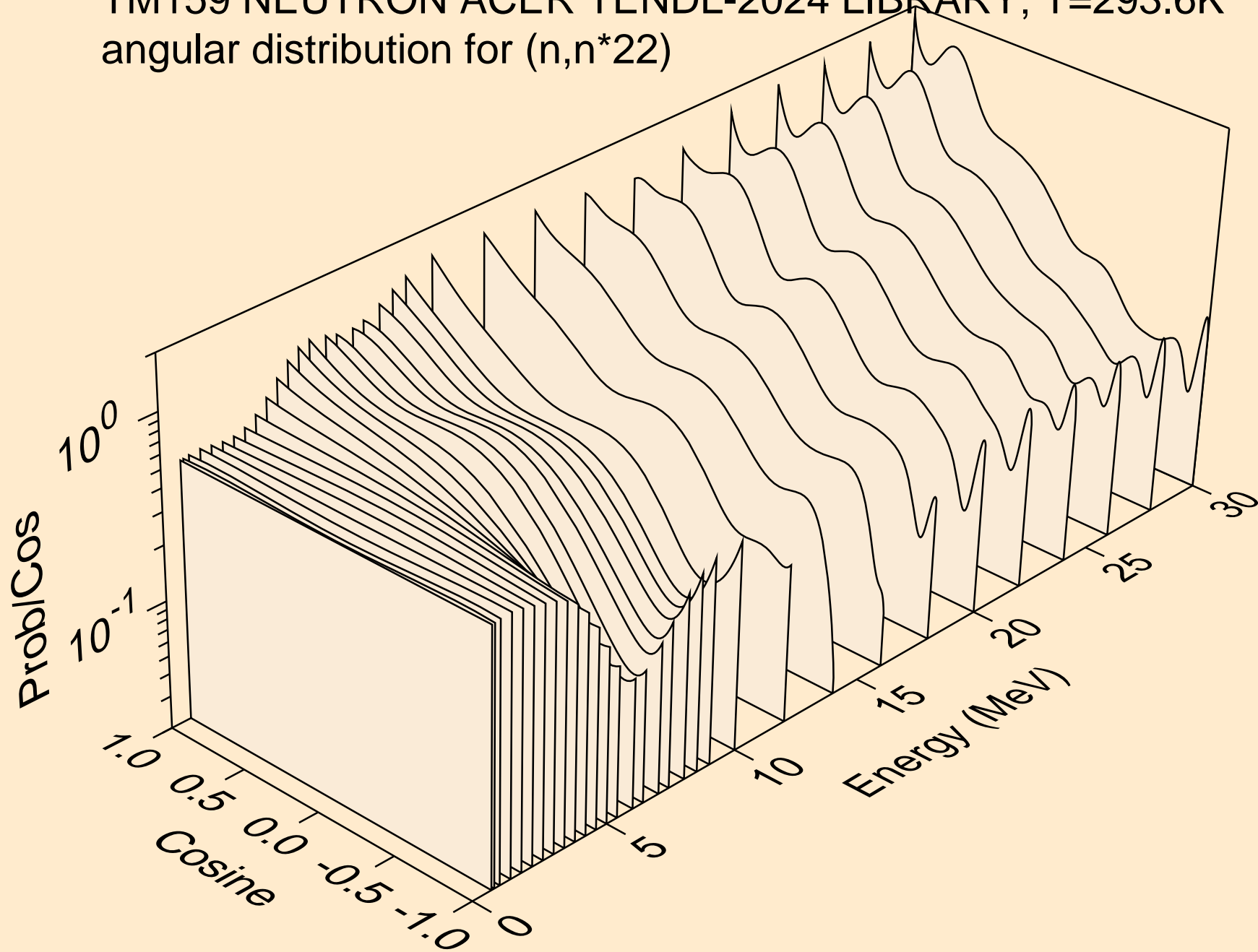
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*20)



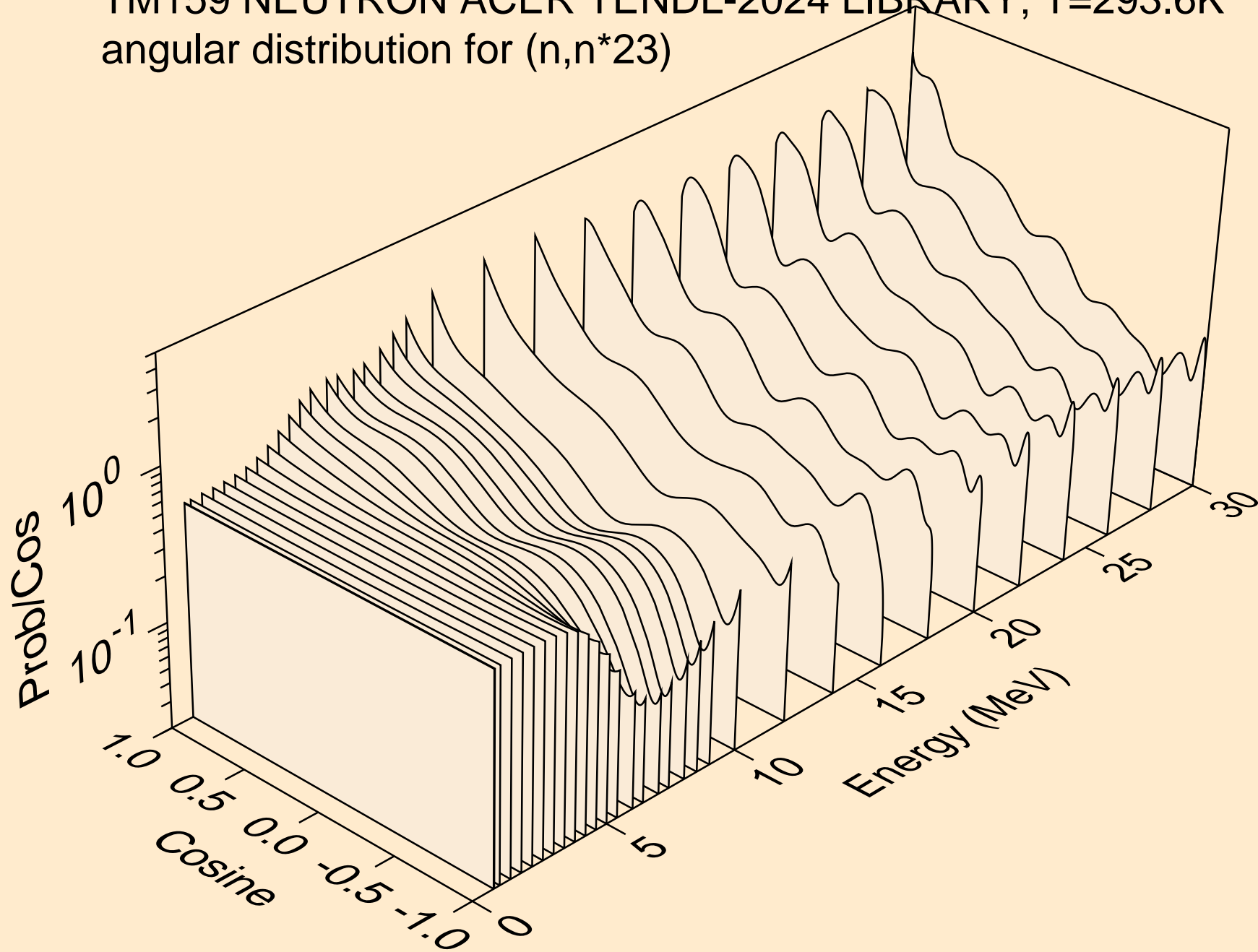
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*21)



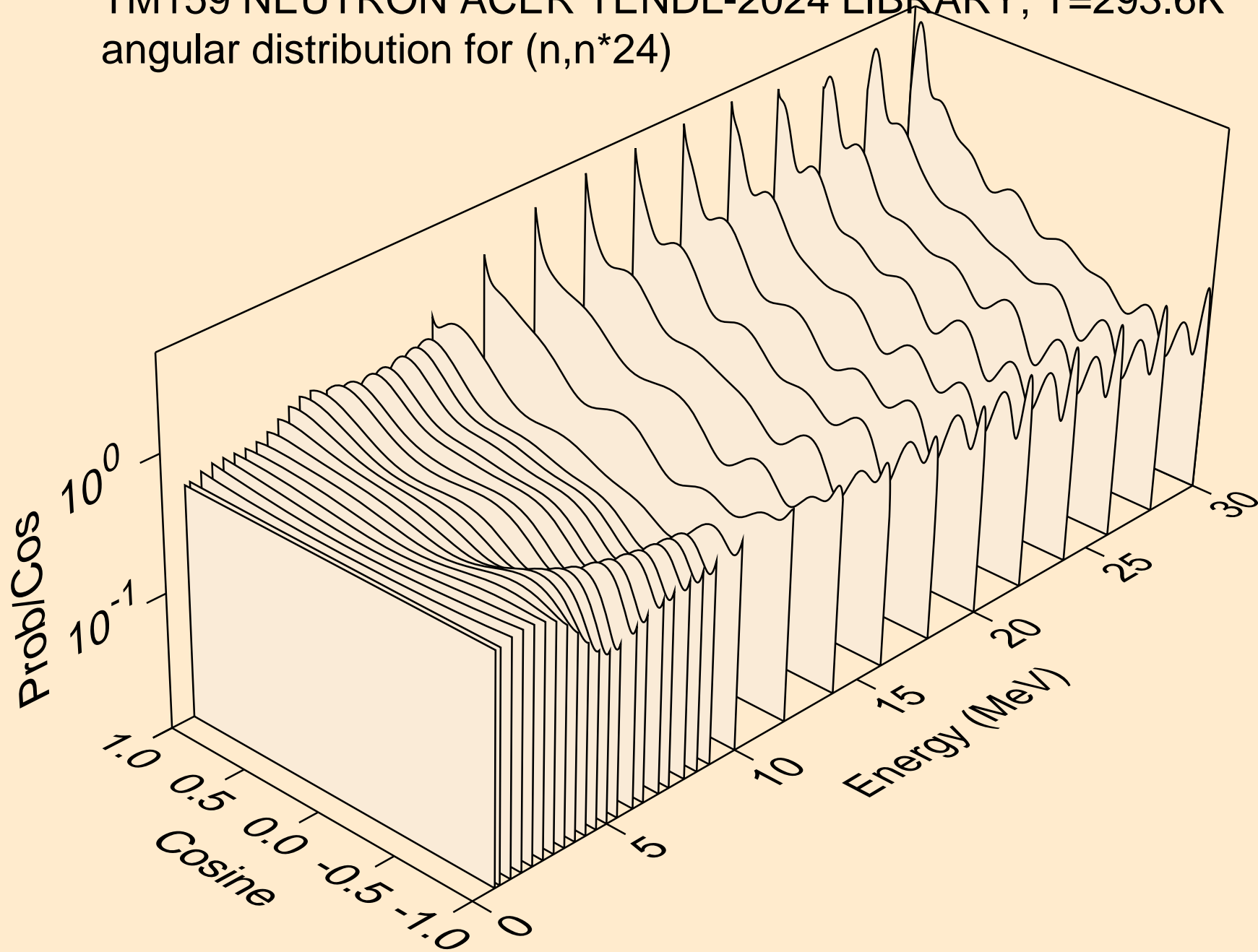
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*22)



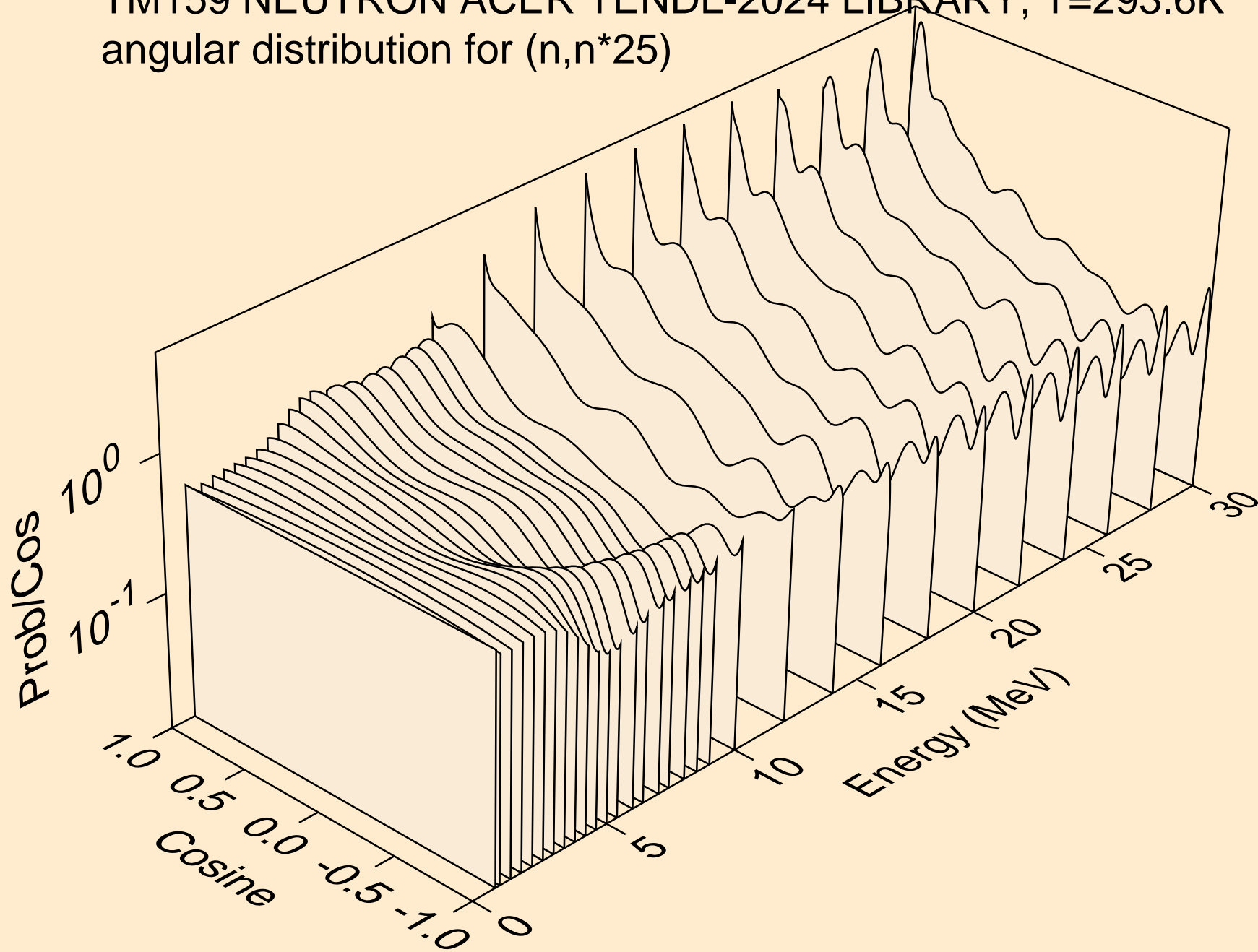
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*23)



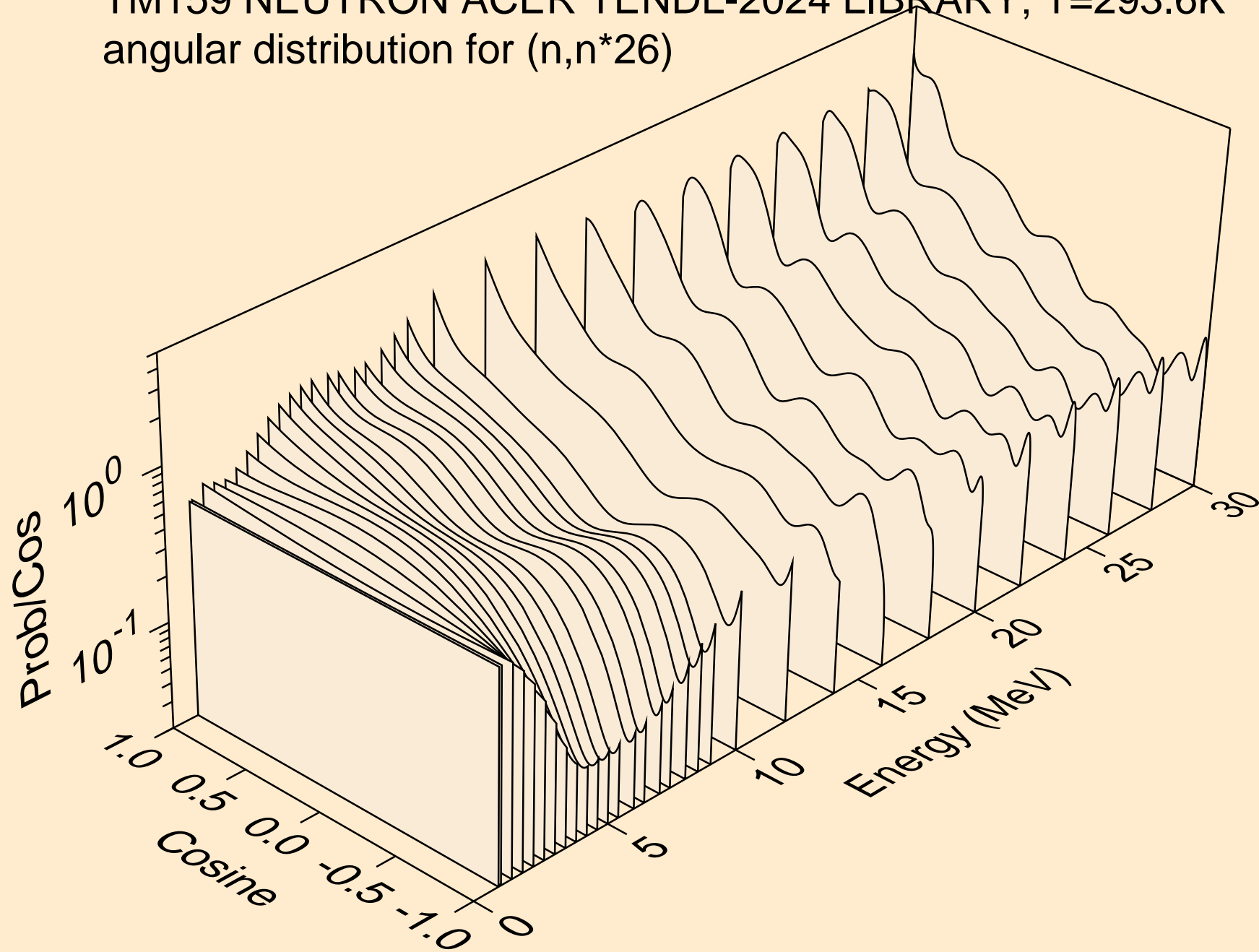
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*24)



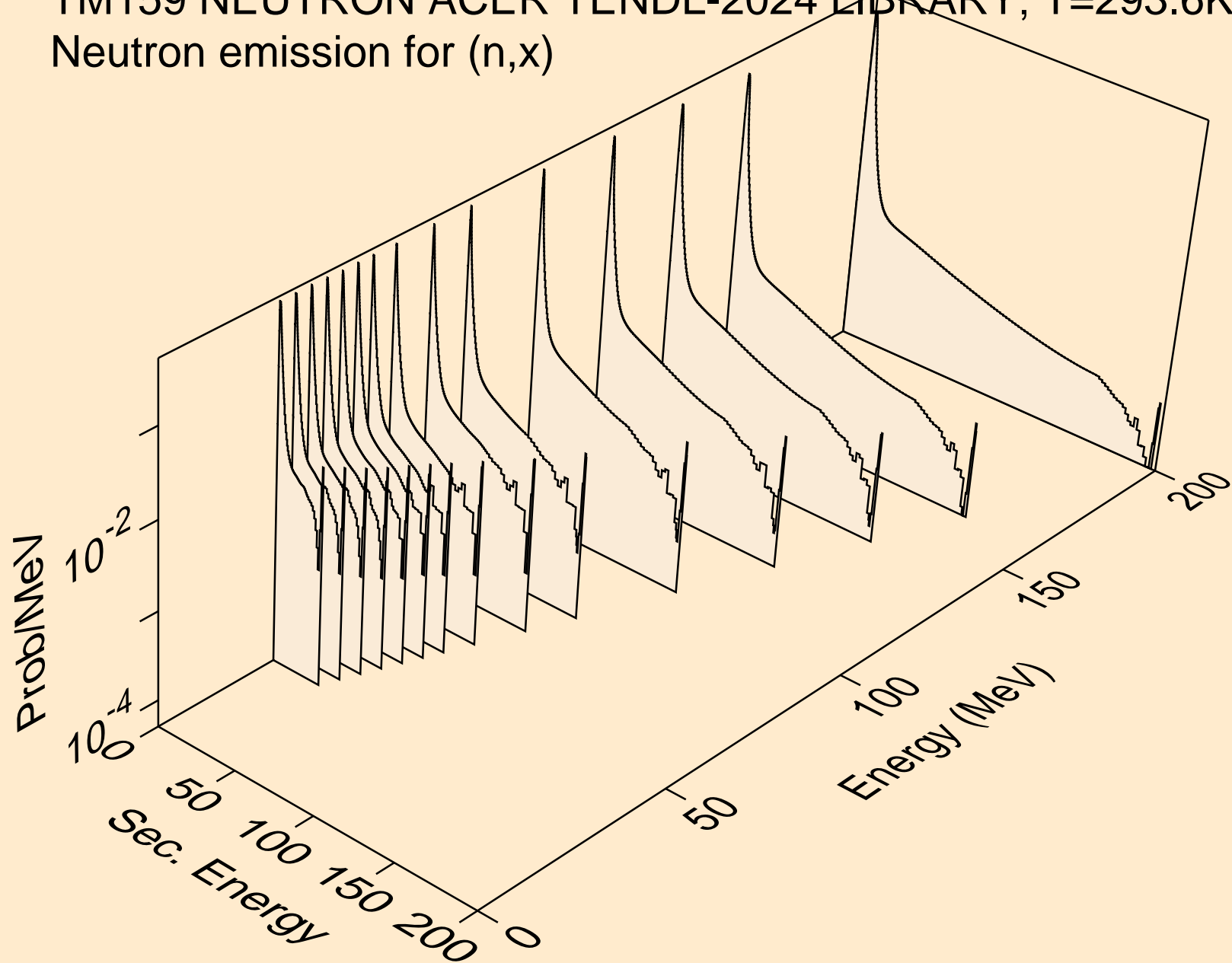
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*25)



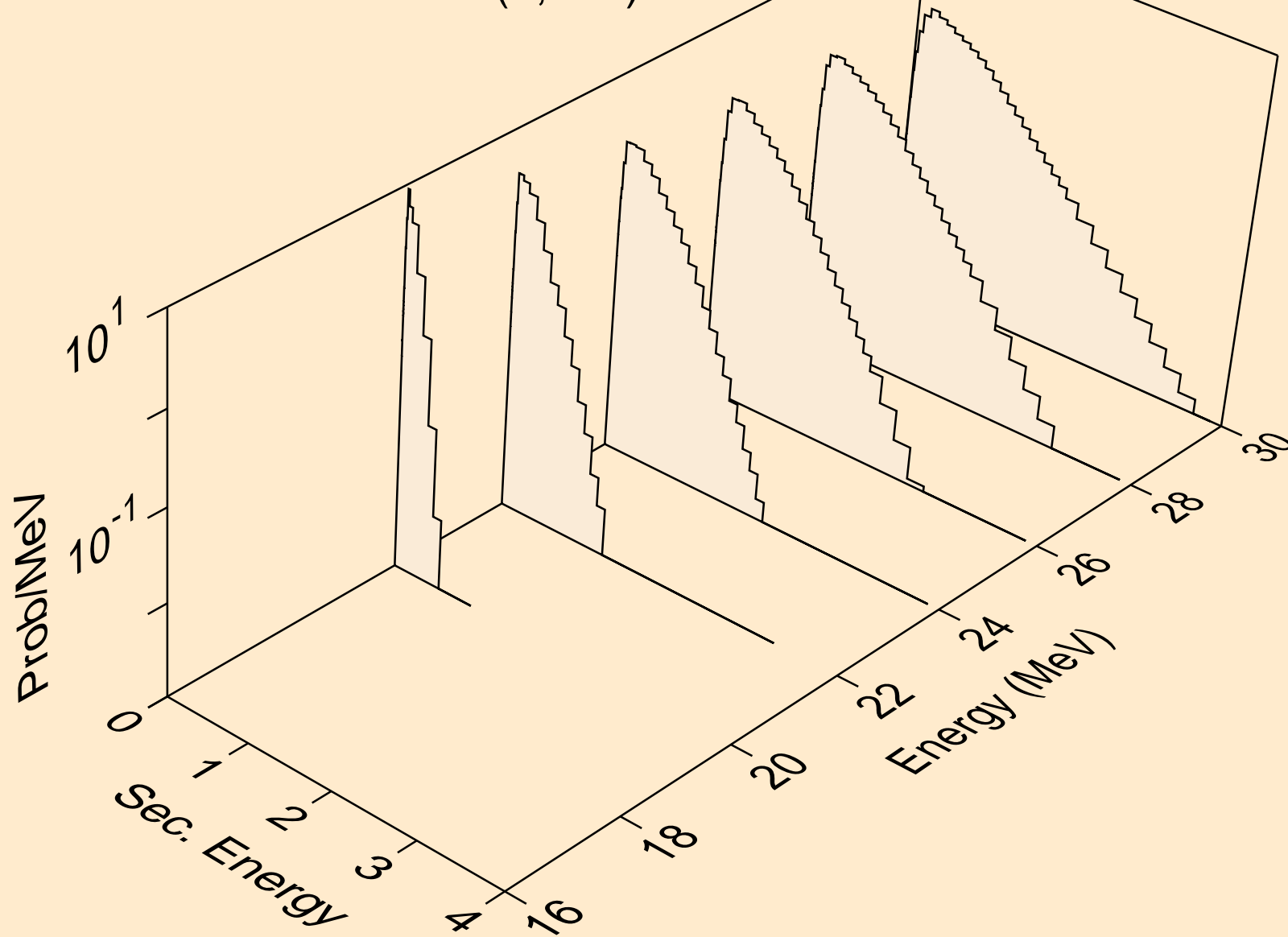
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*26)



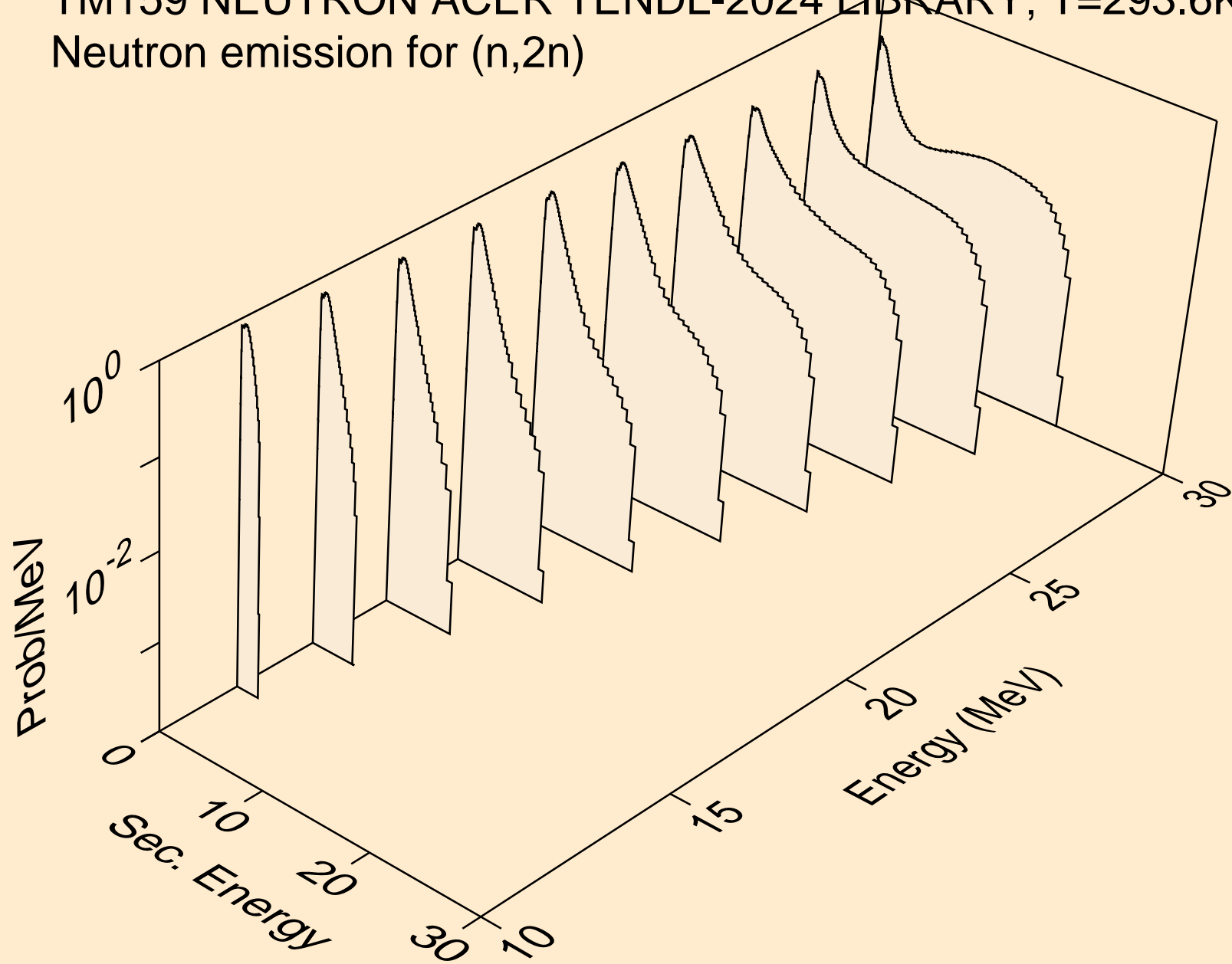
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,x)



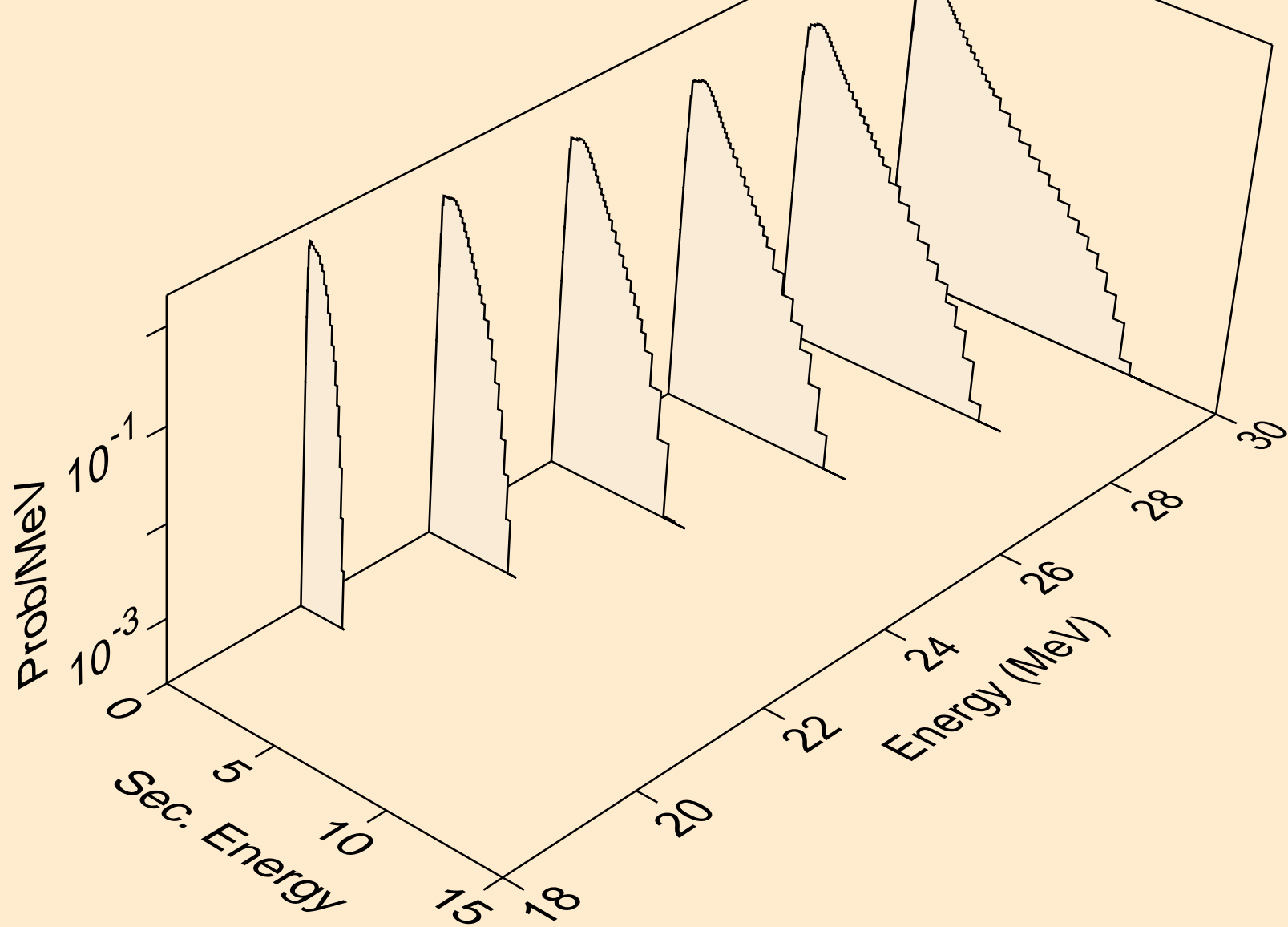
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,2nd)



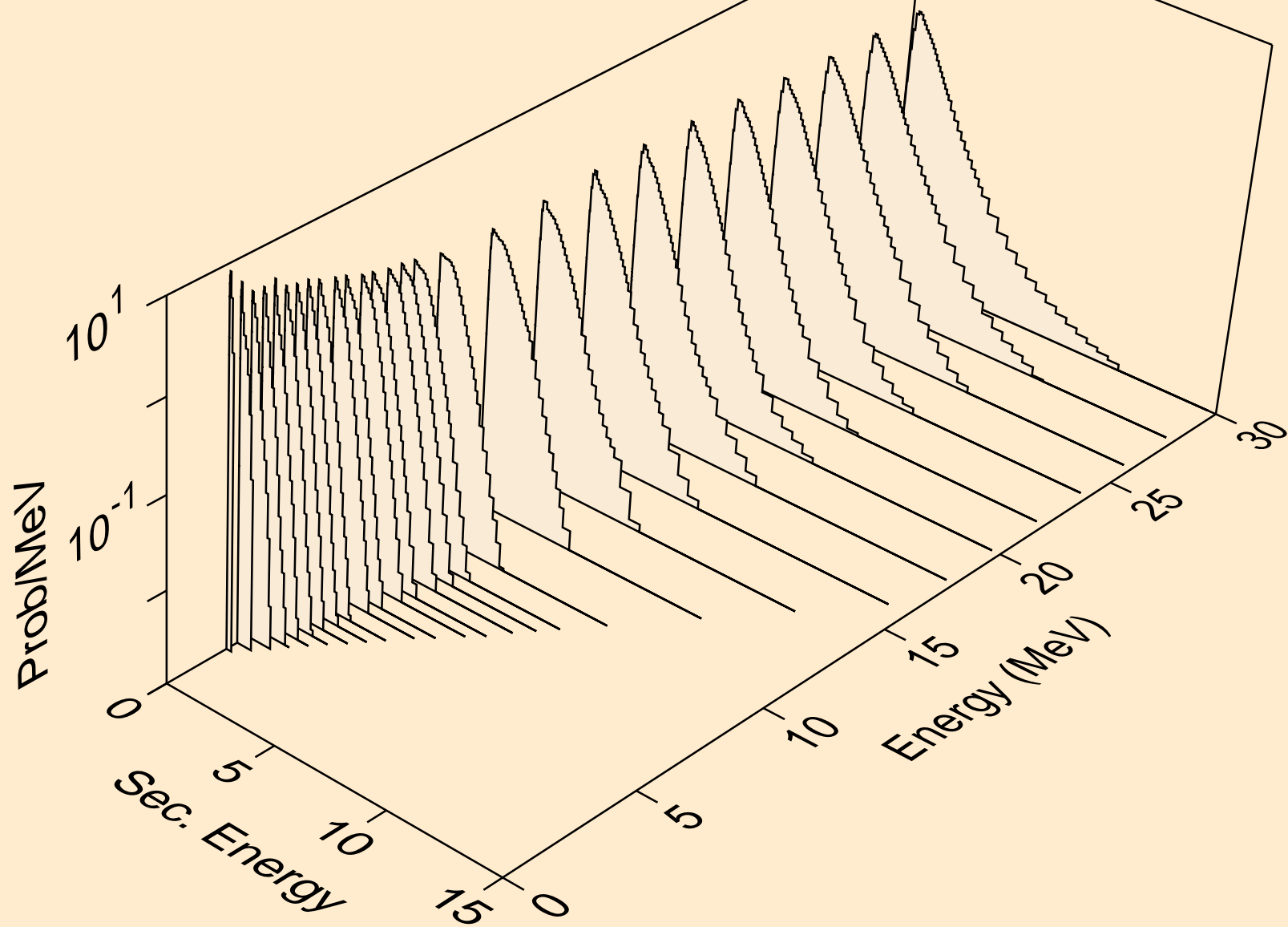
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,2n)



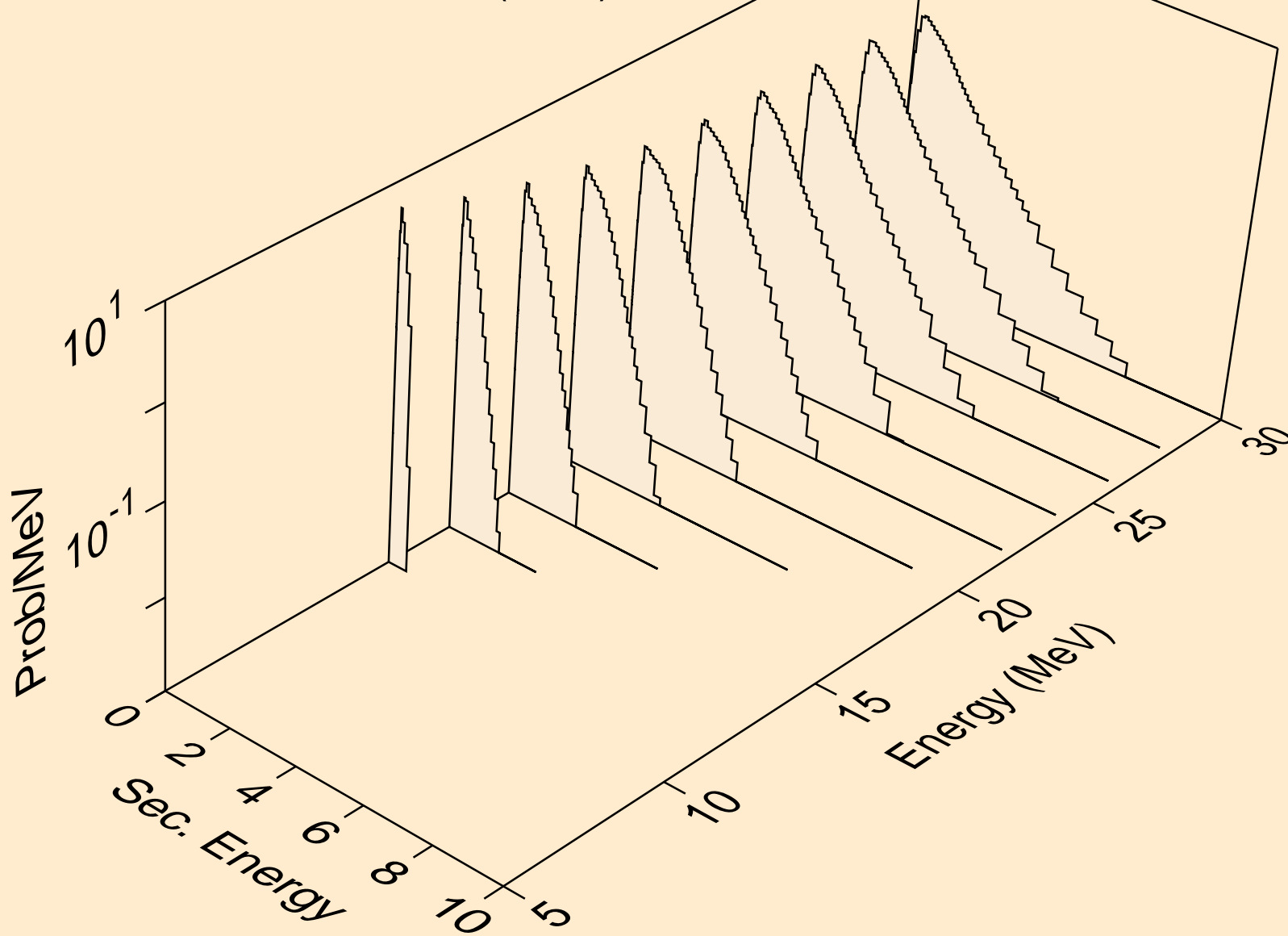
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,3n)



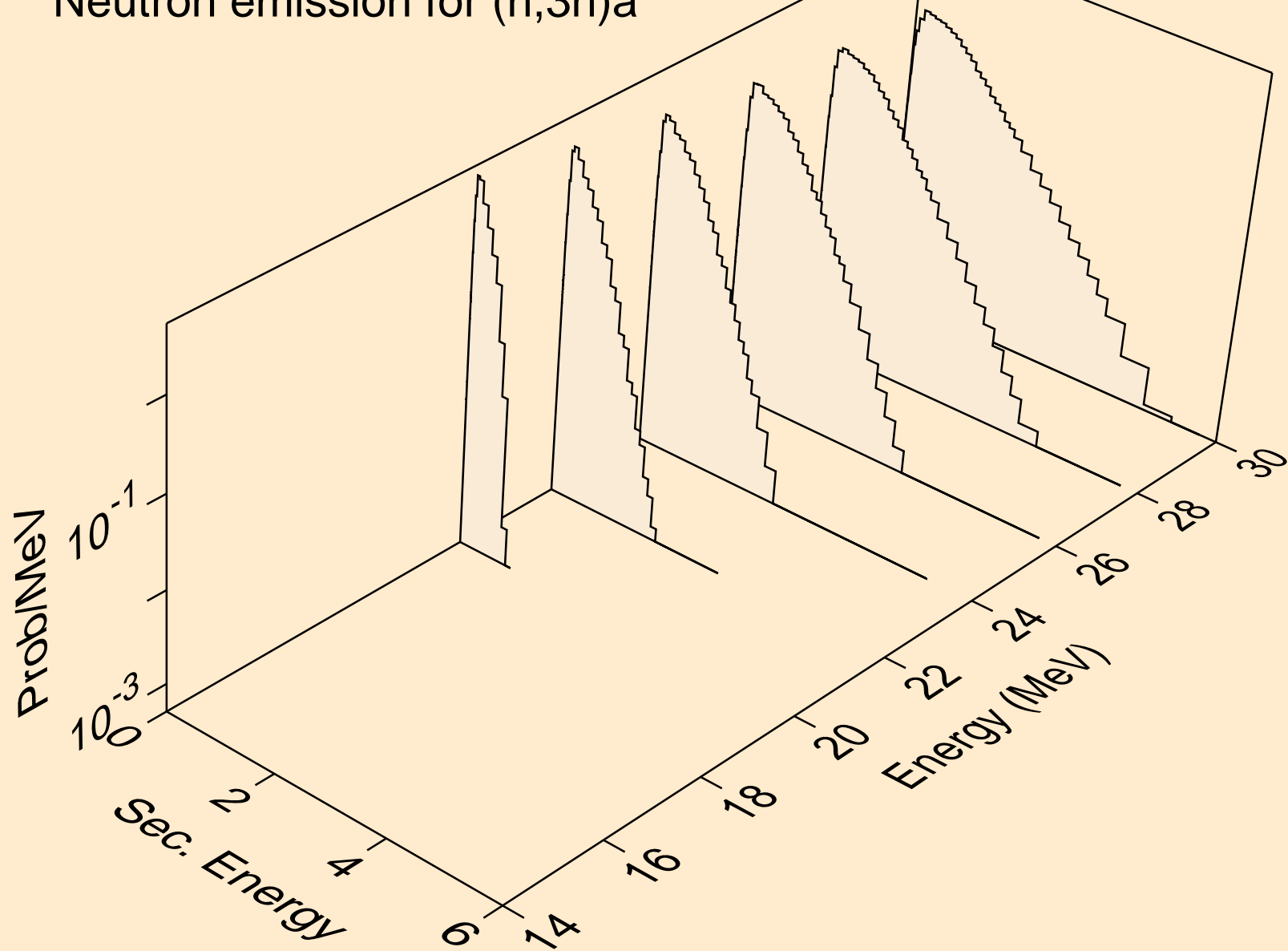
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)a



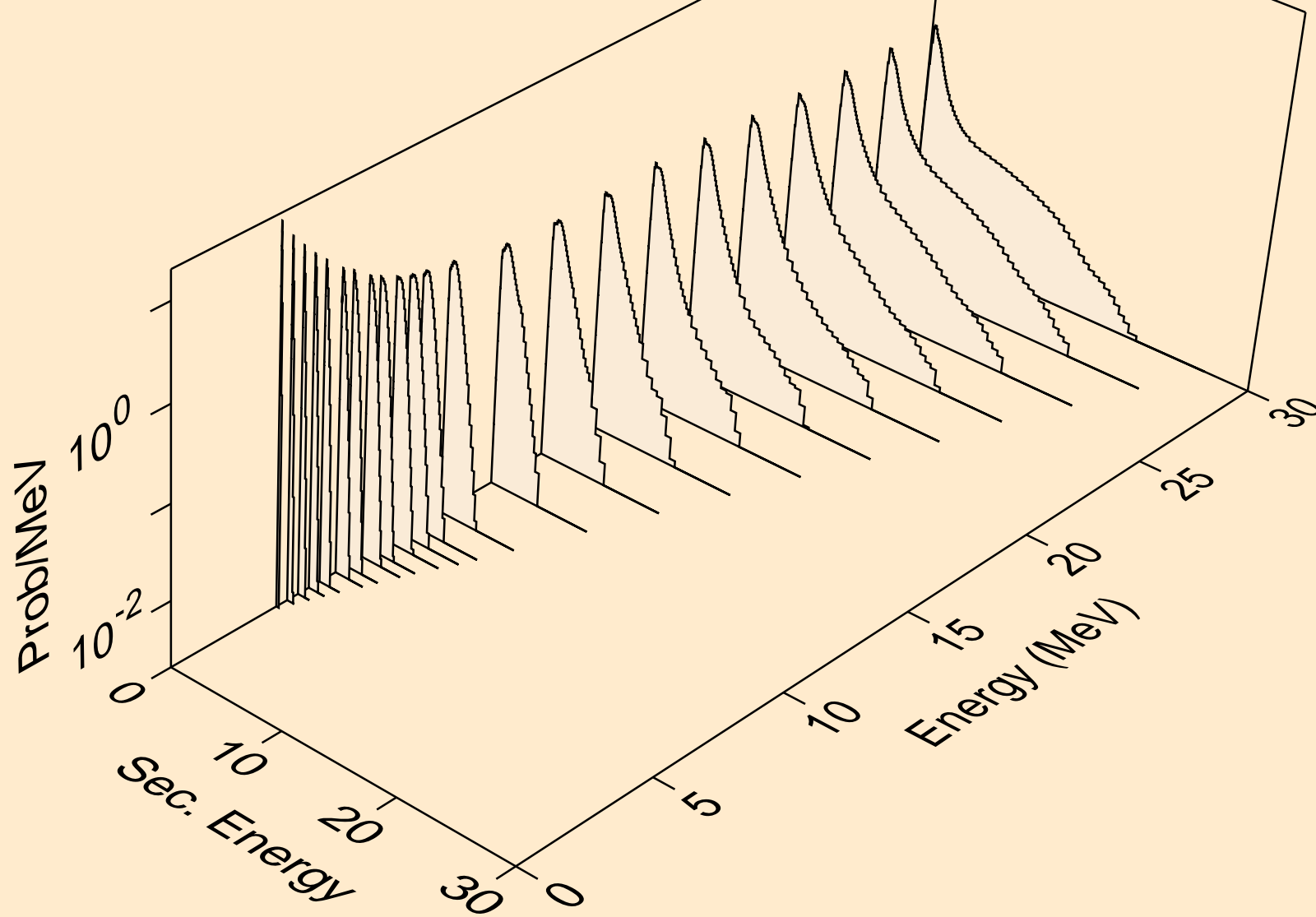
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,2n)a



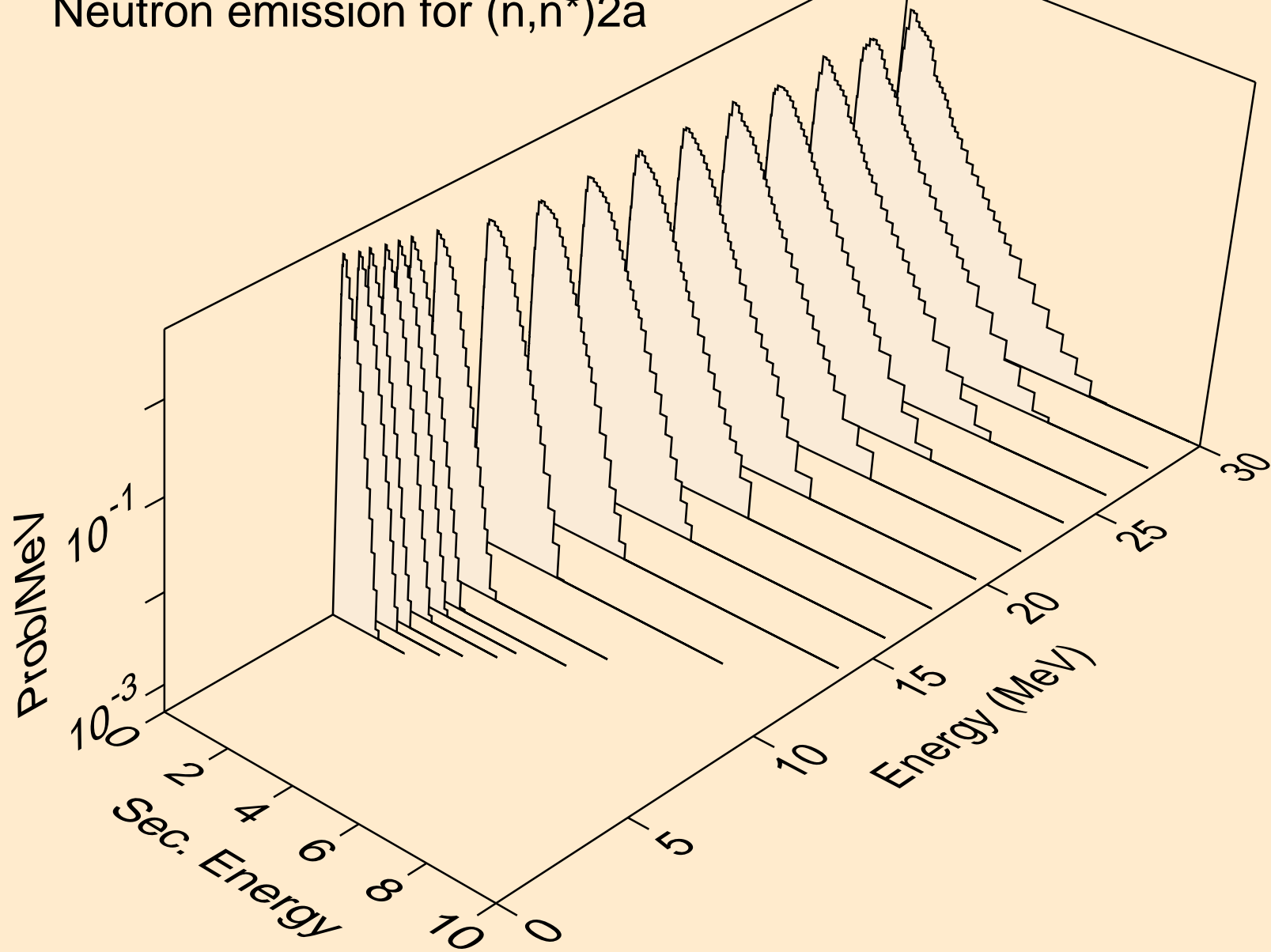
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,3n)a



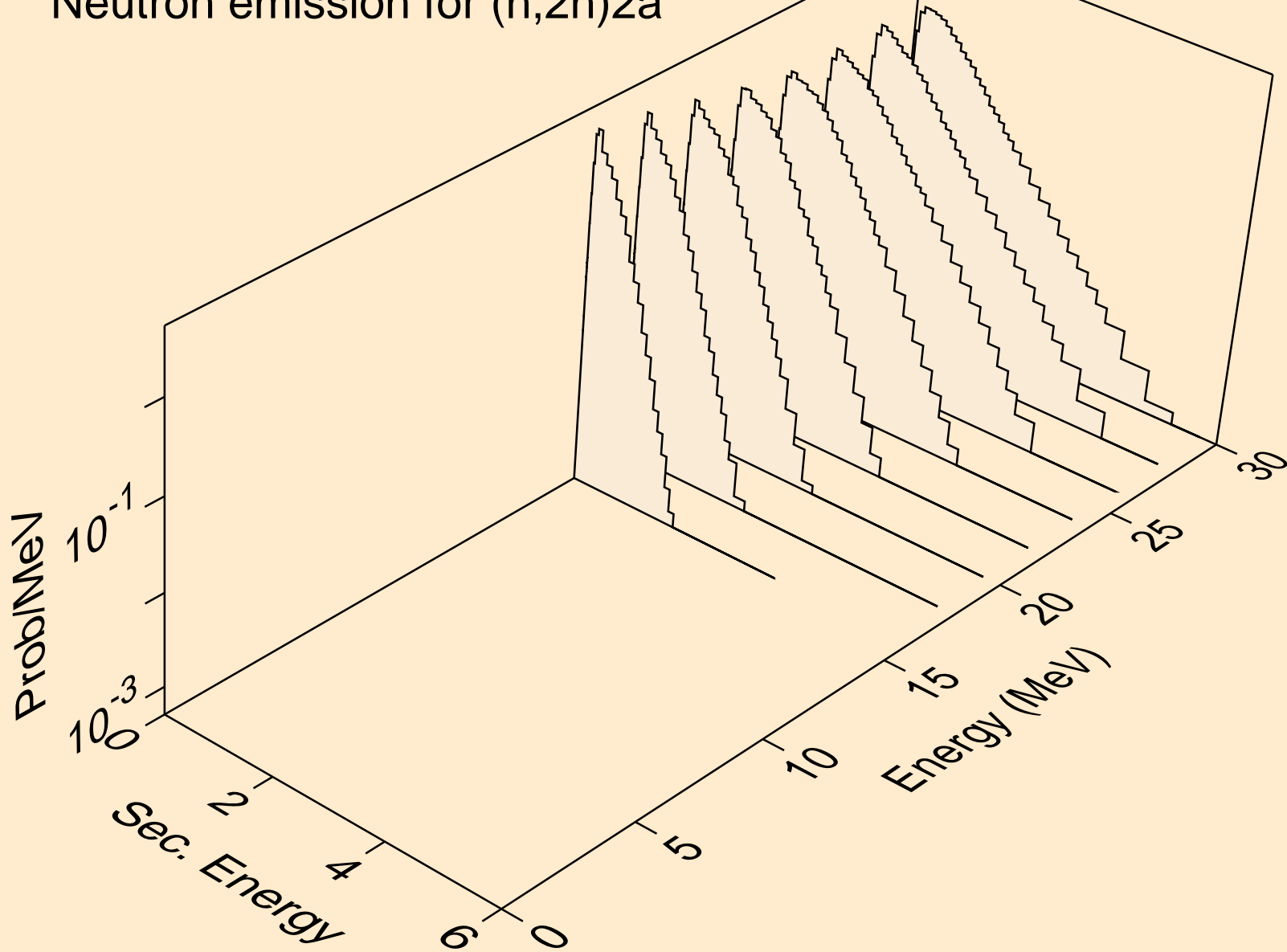
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)p



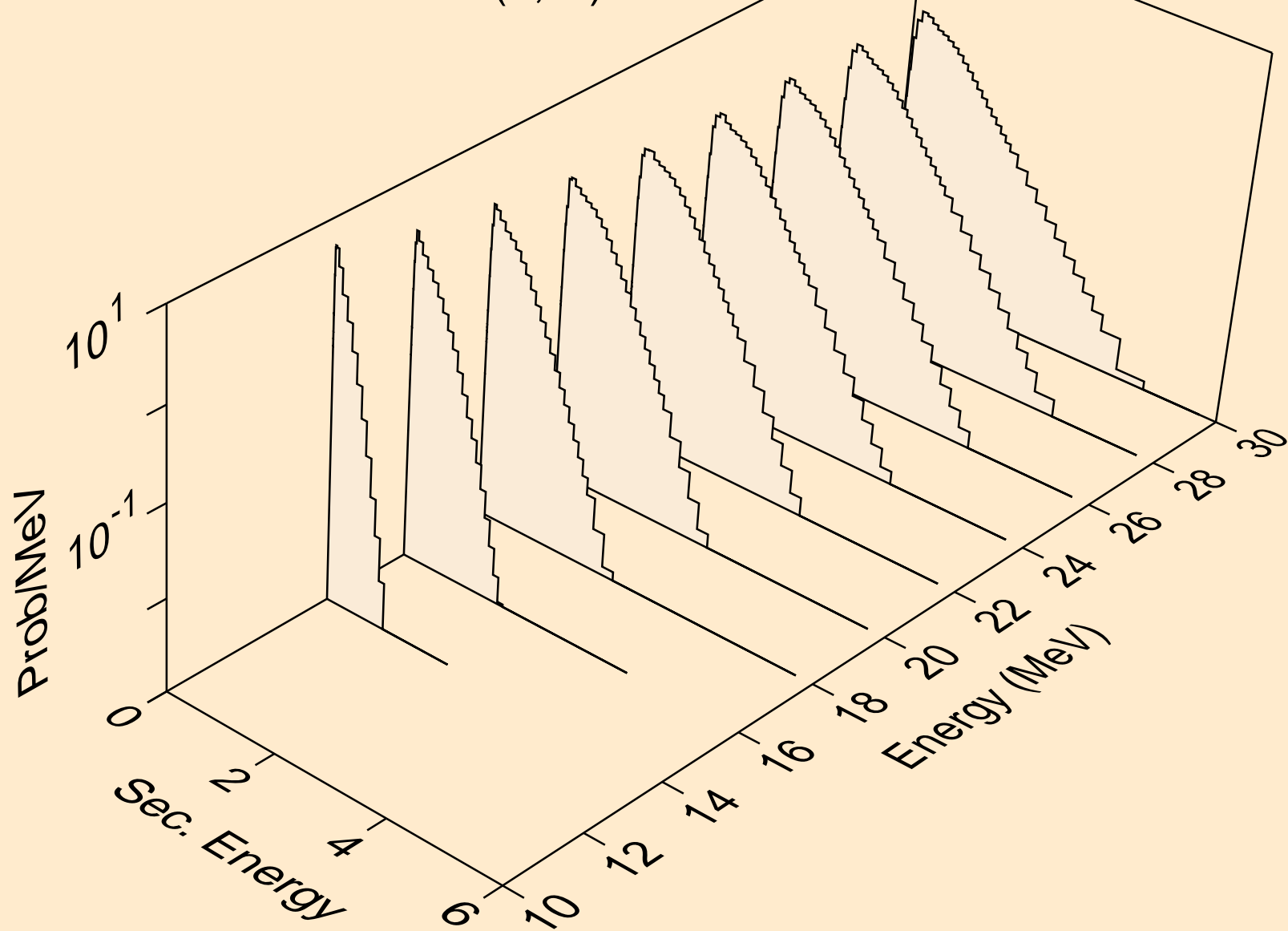
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)2a



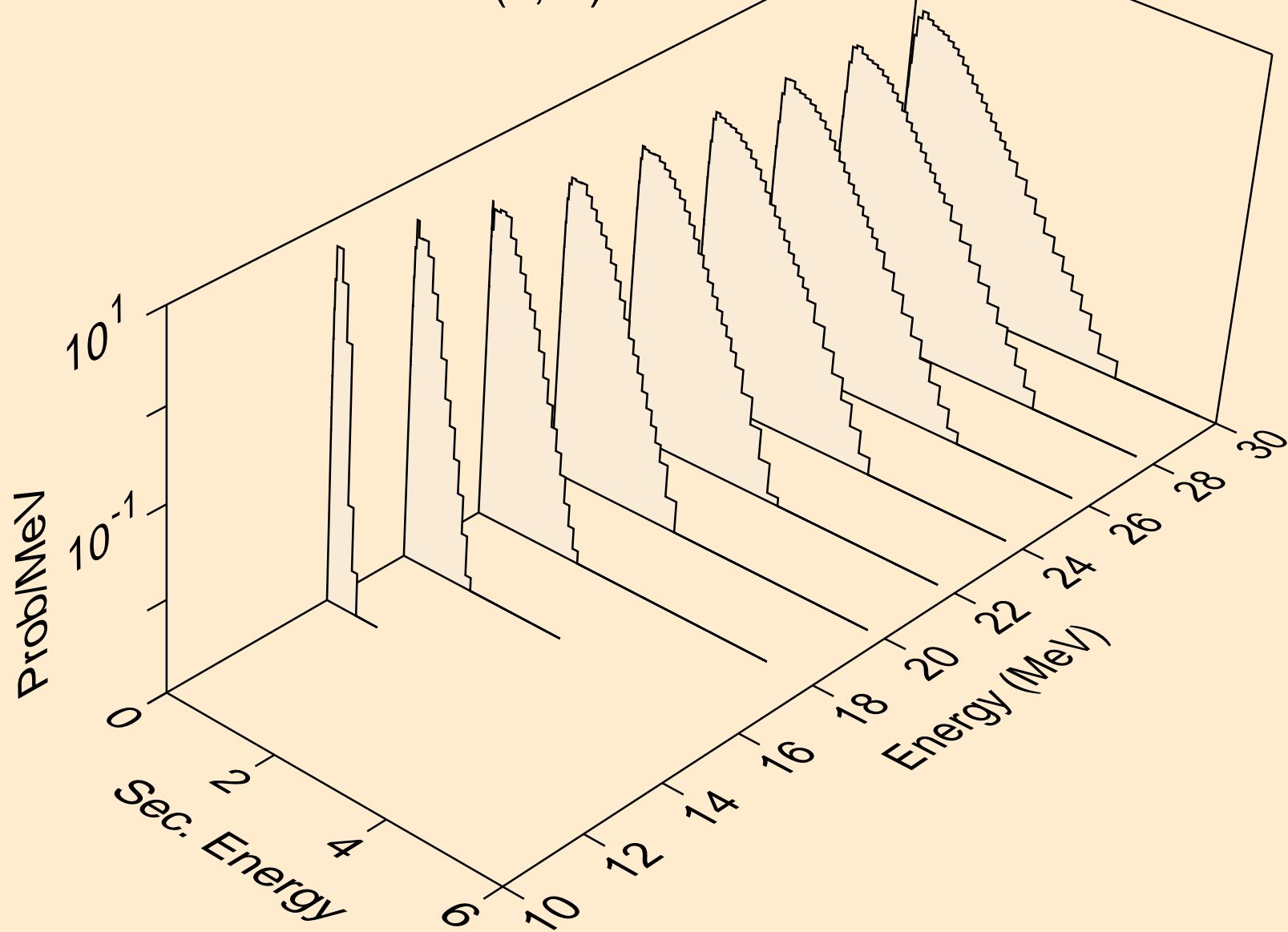
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,2n)2a



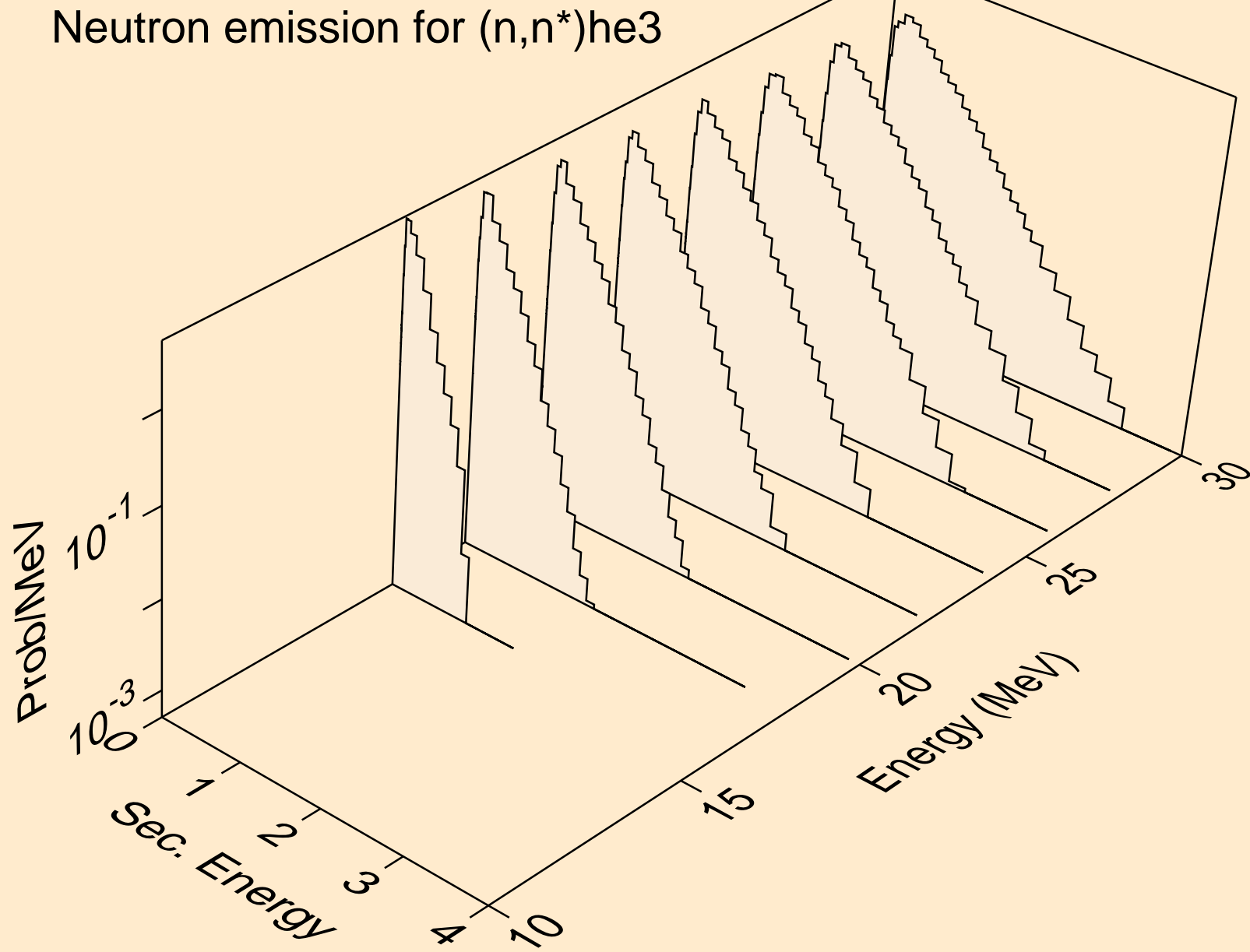
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)d



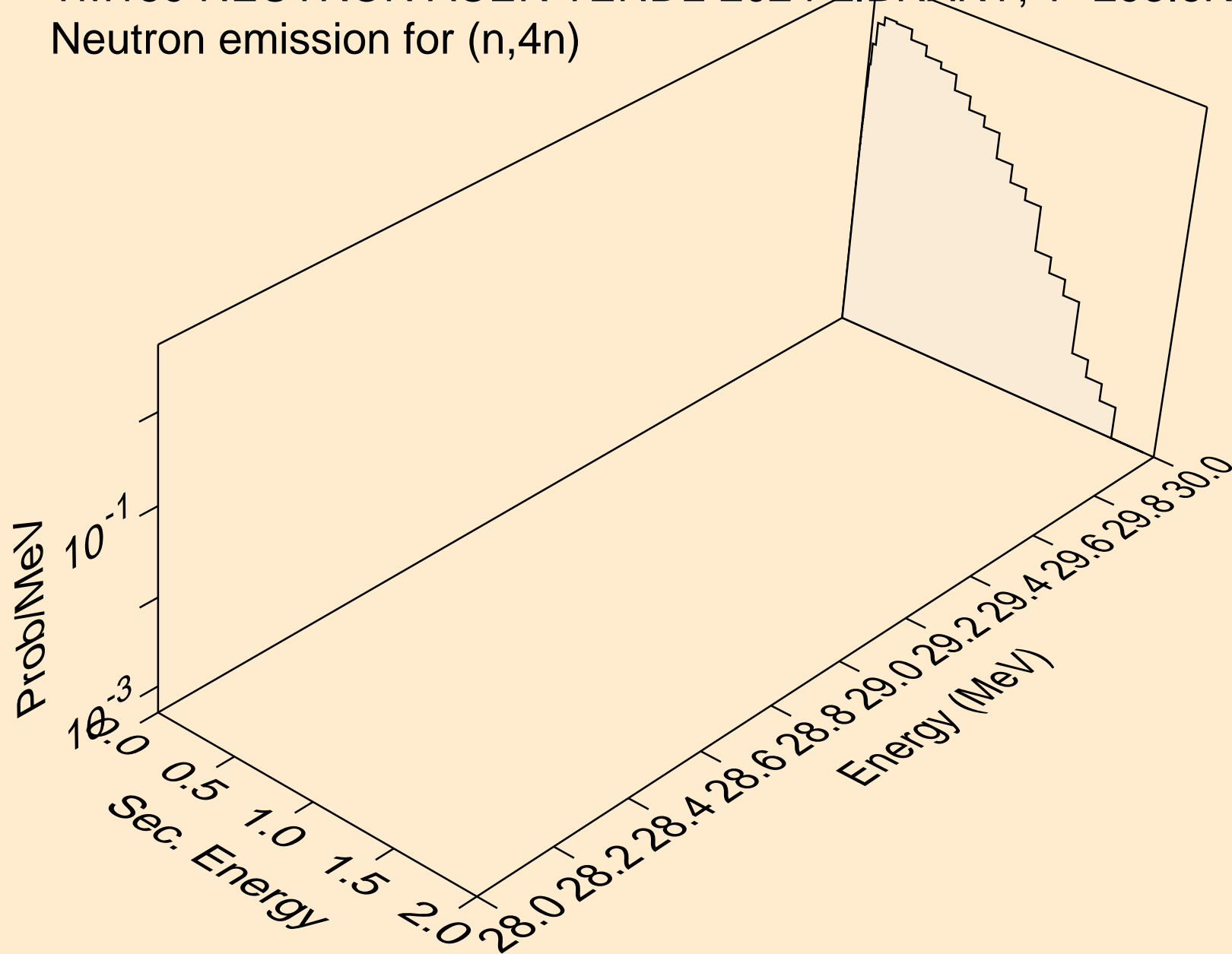
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)t



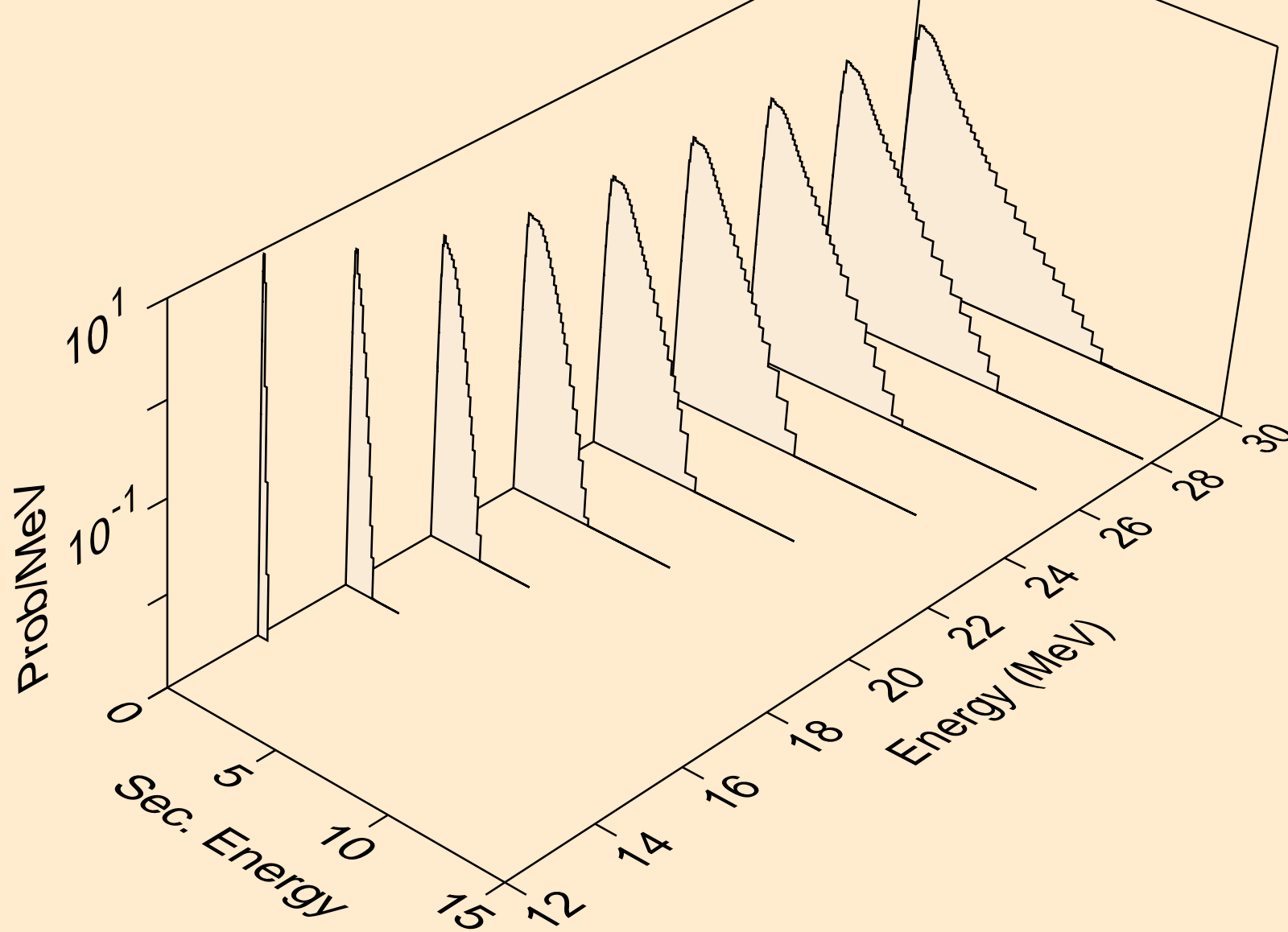
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)he3



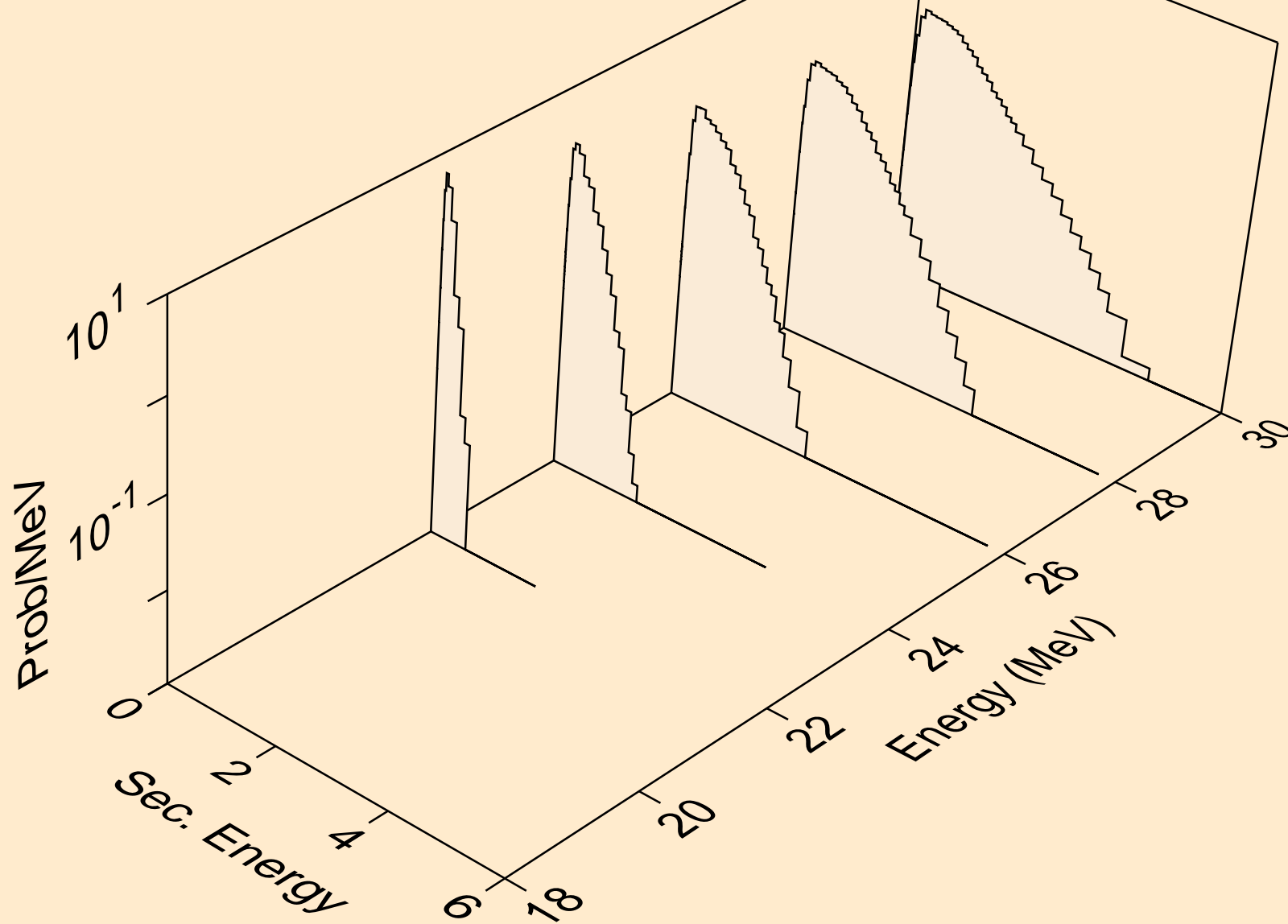
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,4n)



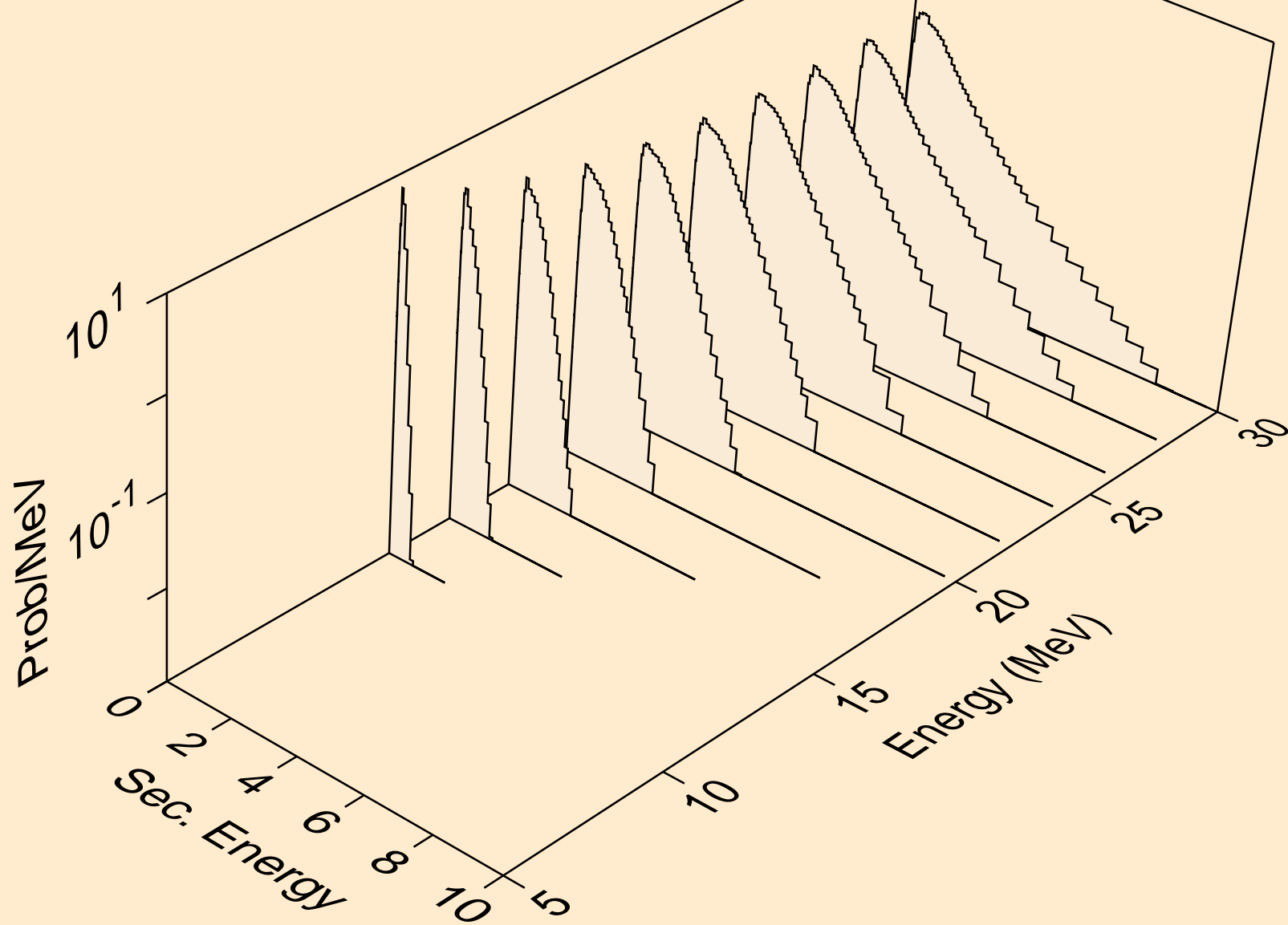
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,2np)



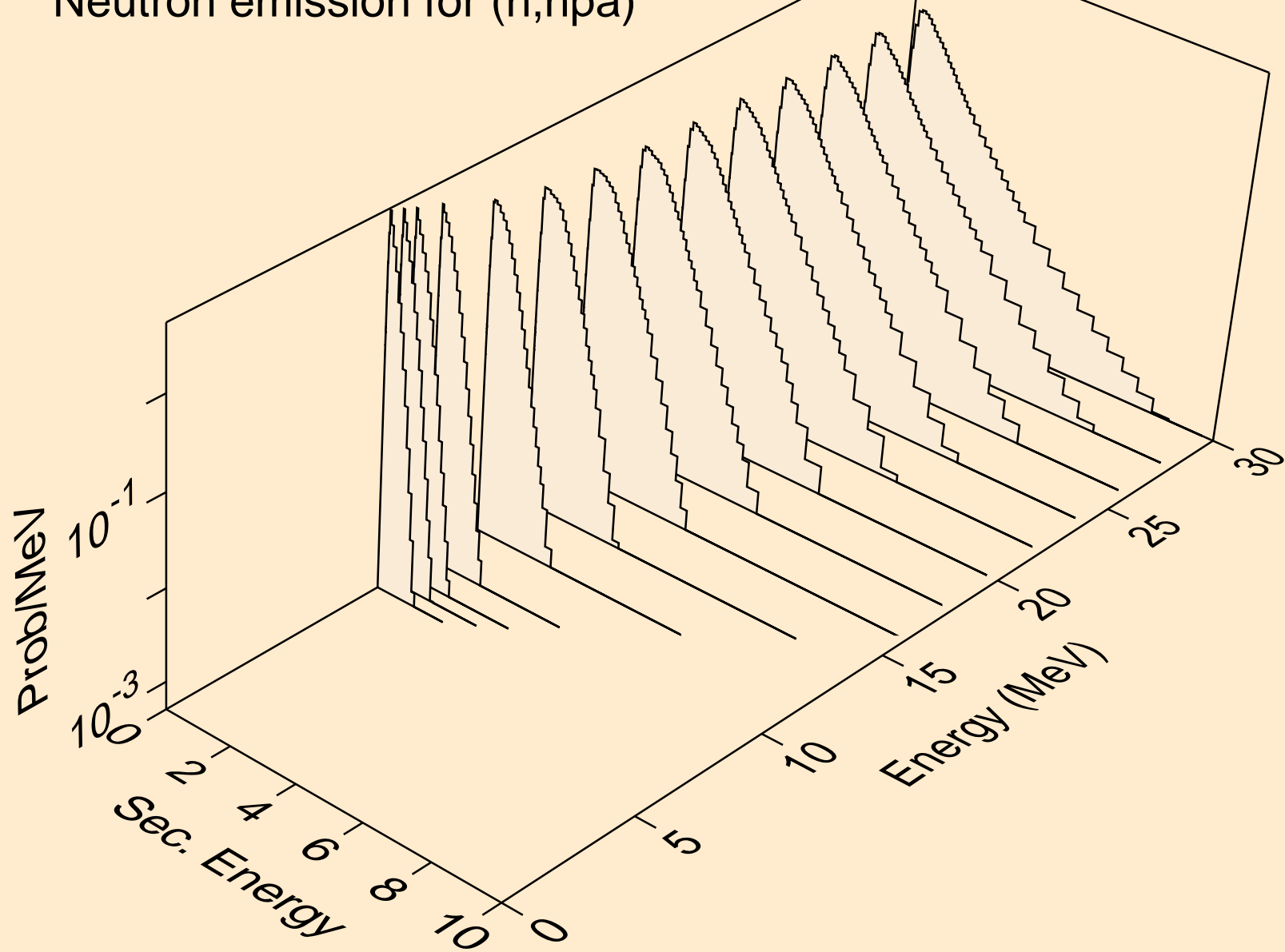
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,3np)



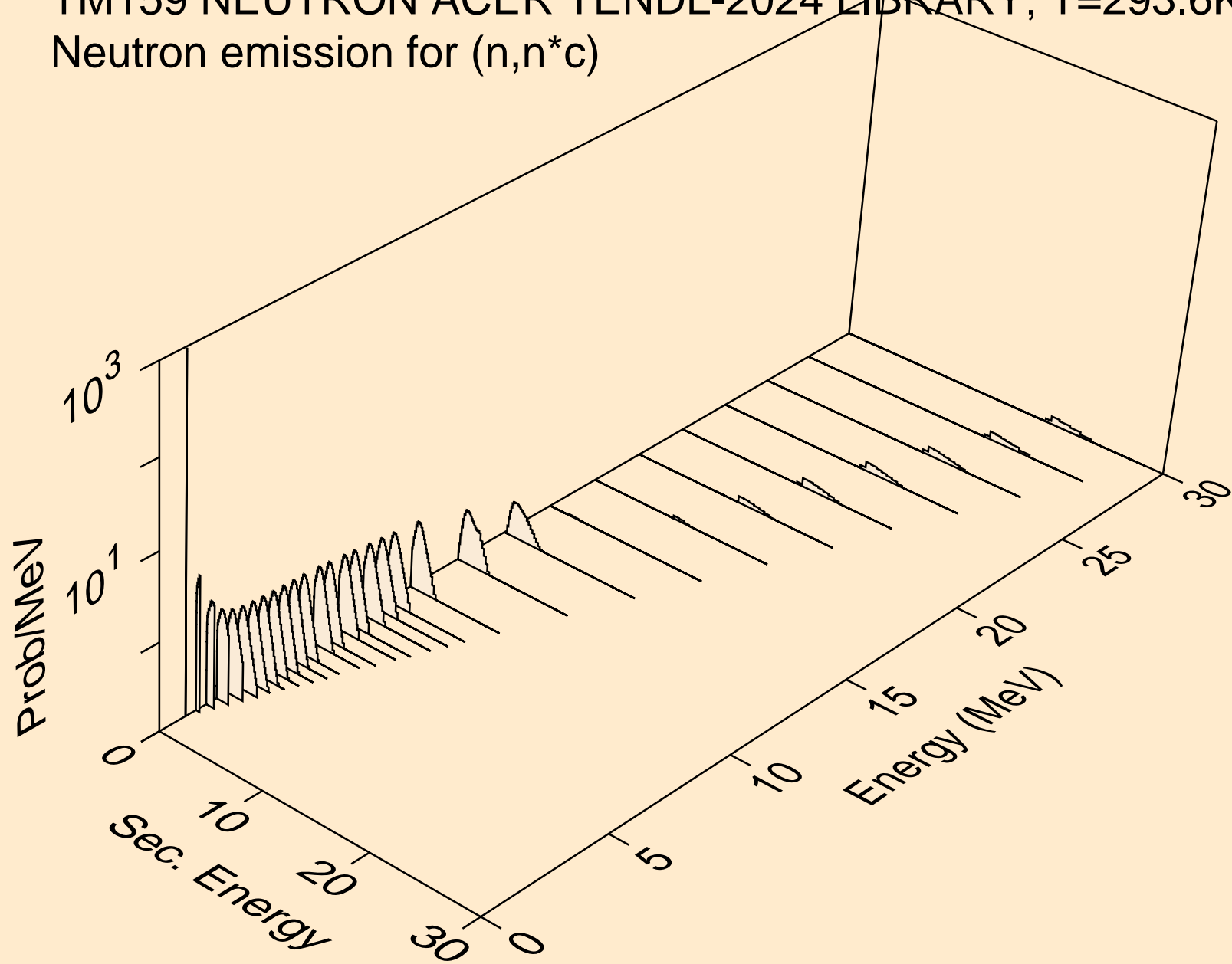
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n2p)



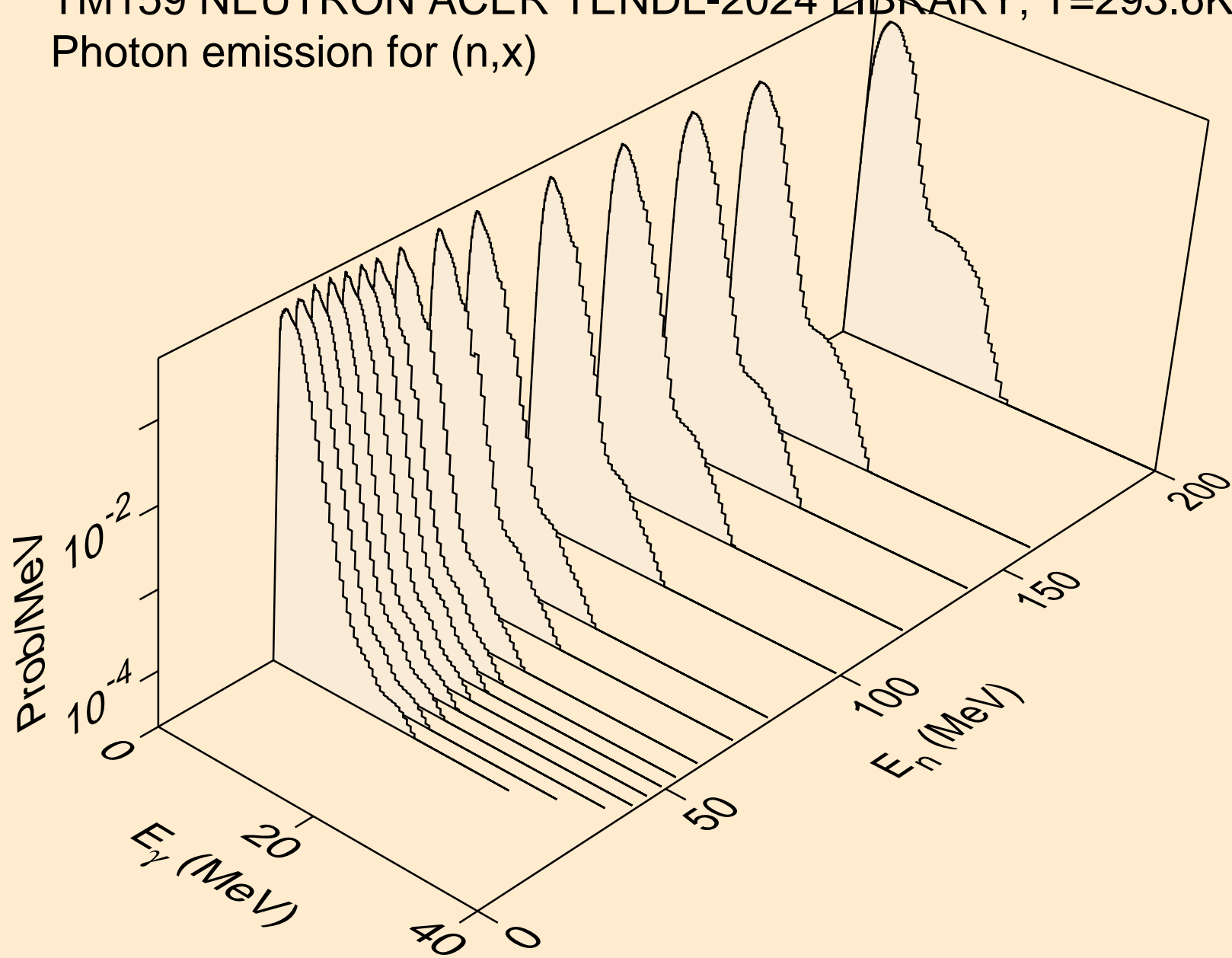
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,npa)



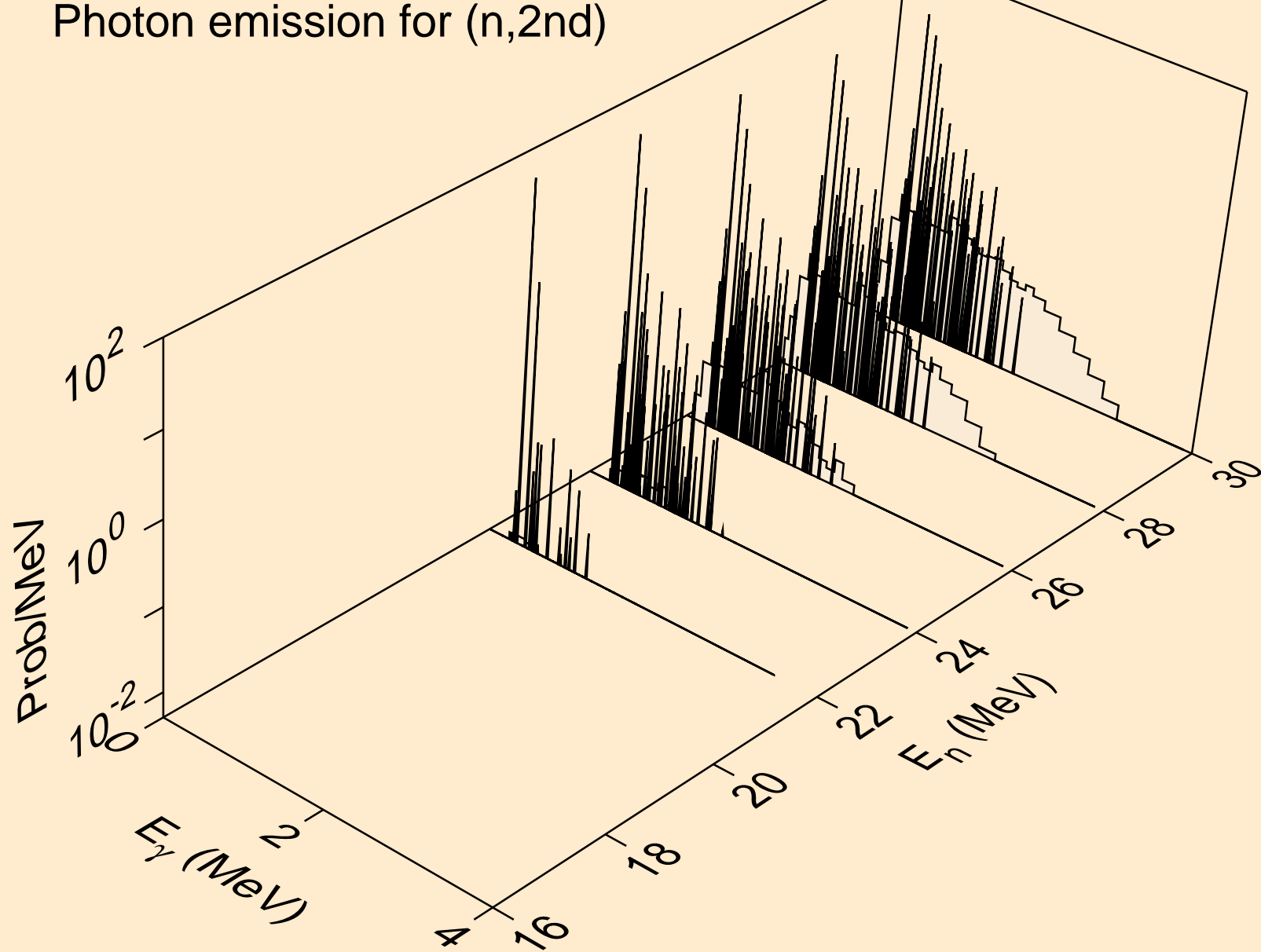
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*c)



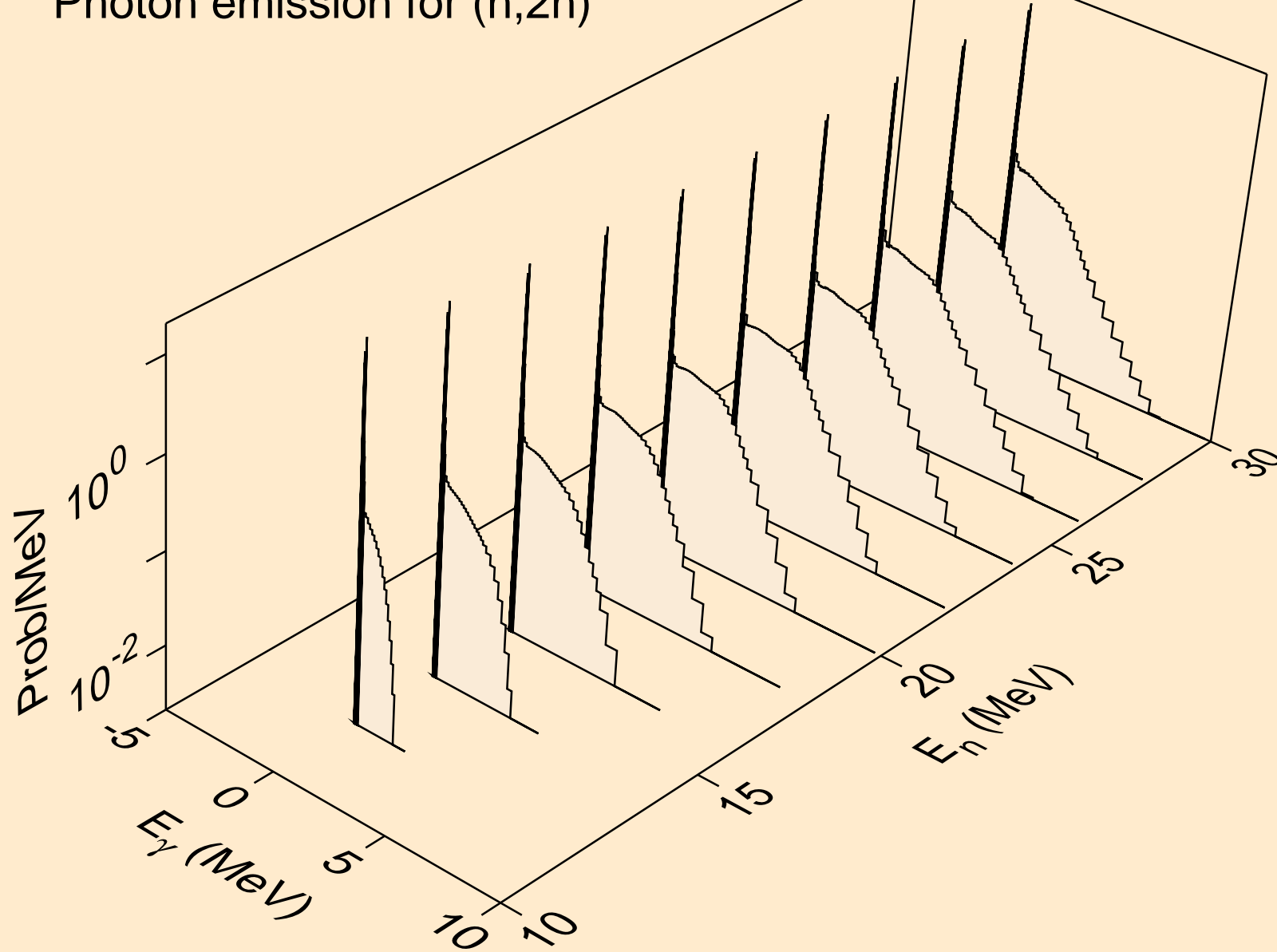
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,x)



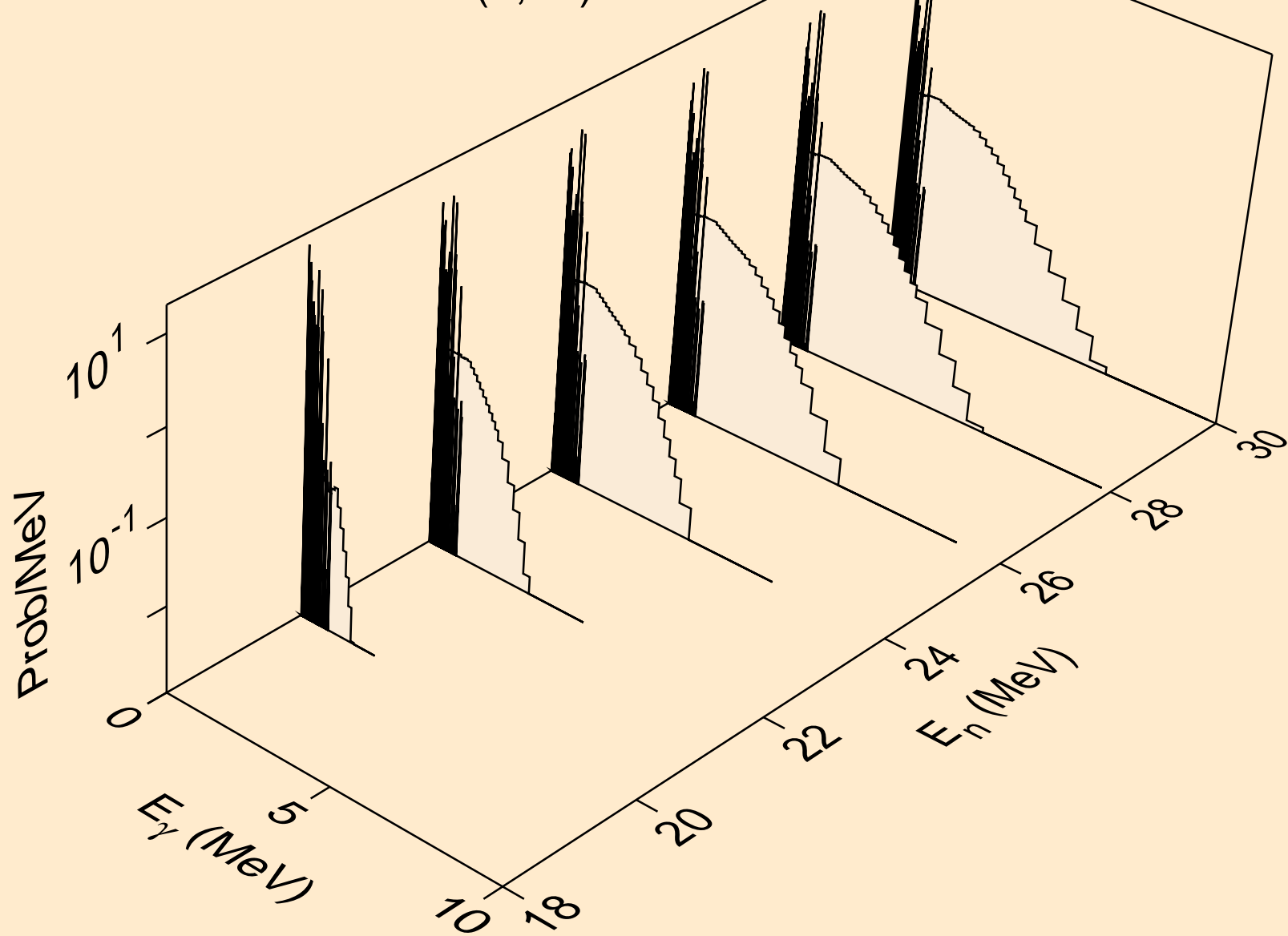
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,2nd)



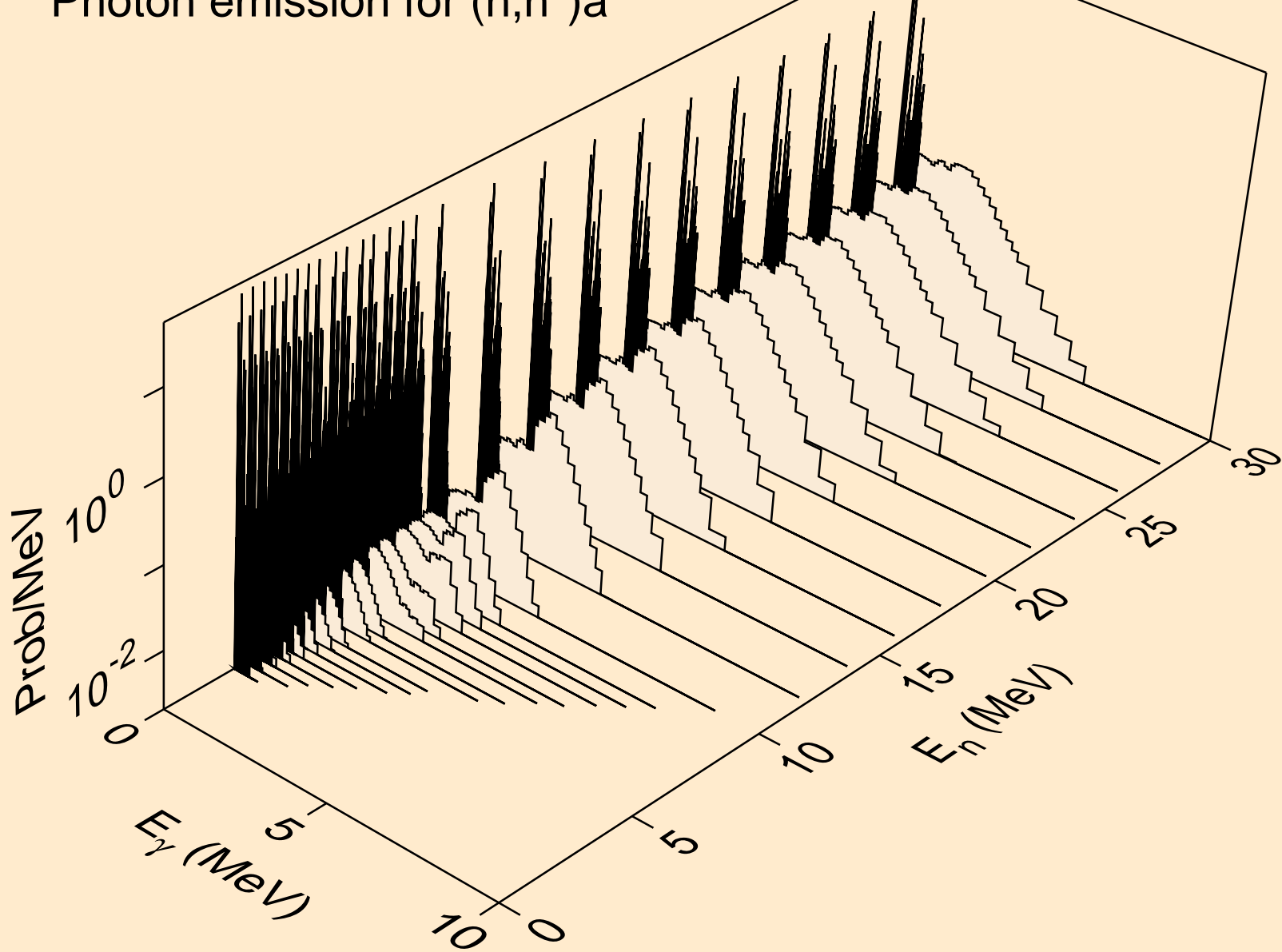
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,2n)



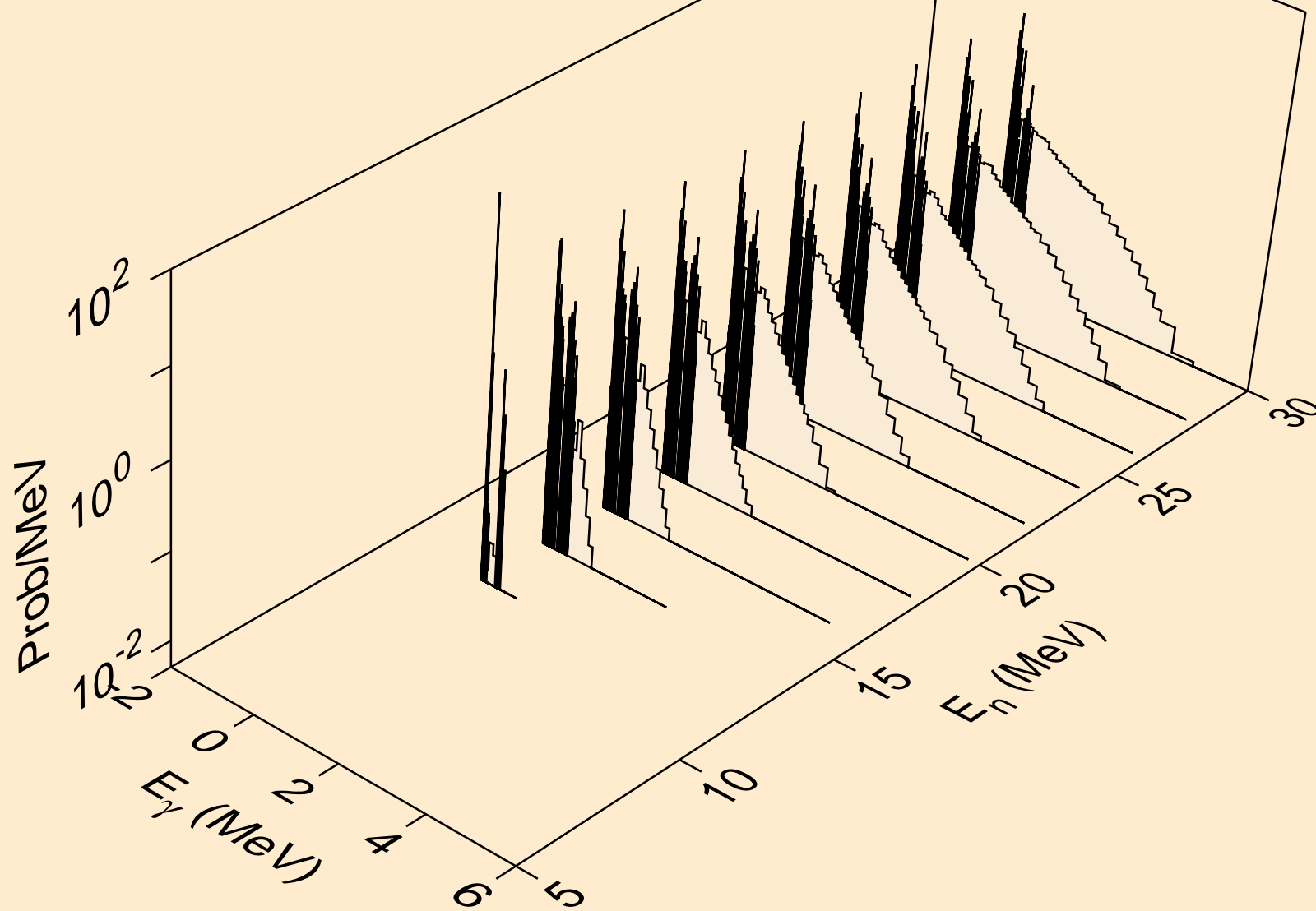
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,3n)



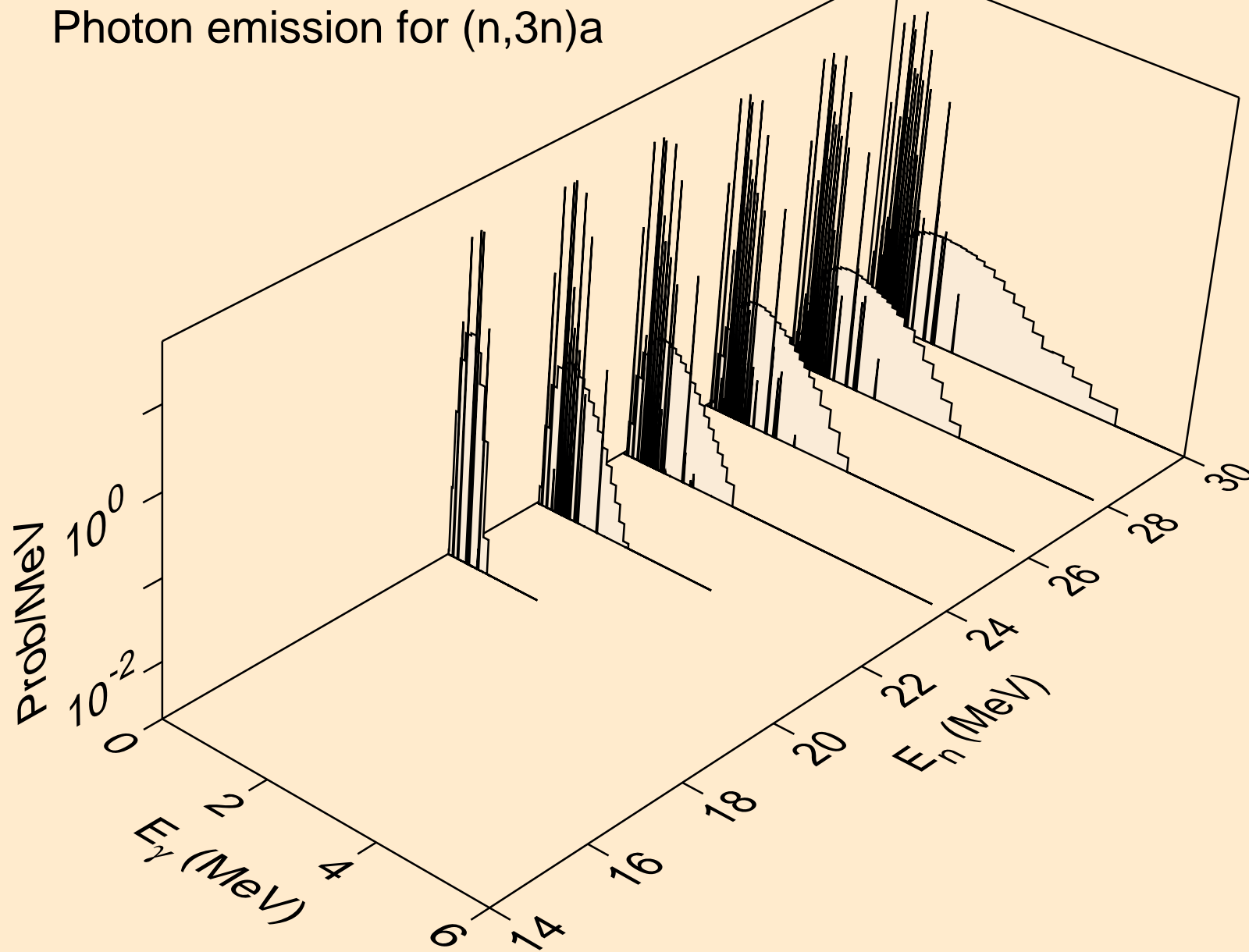
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*)a



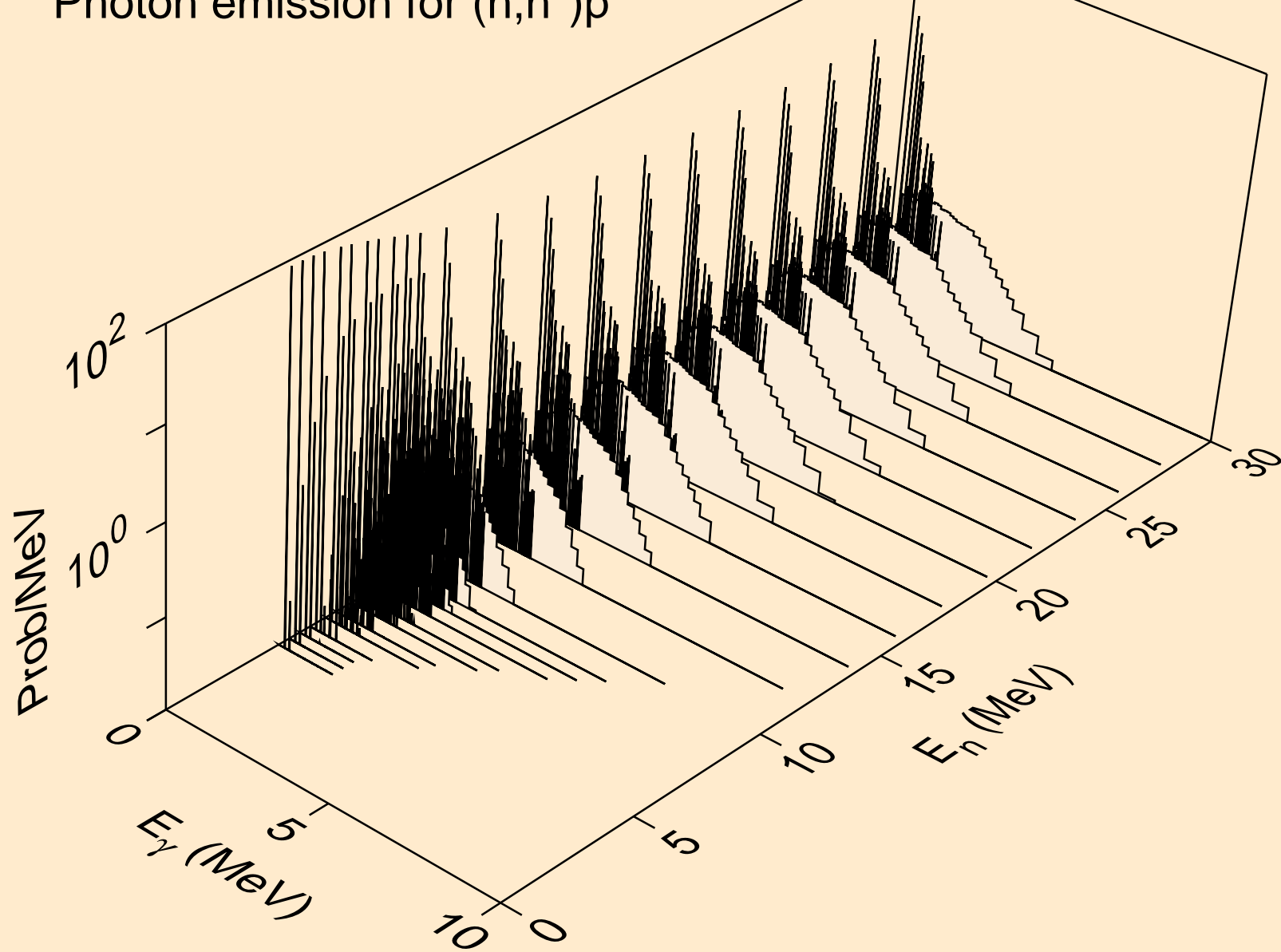
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,2n)a



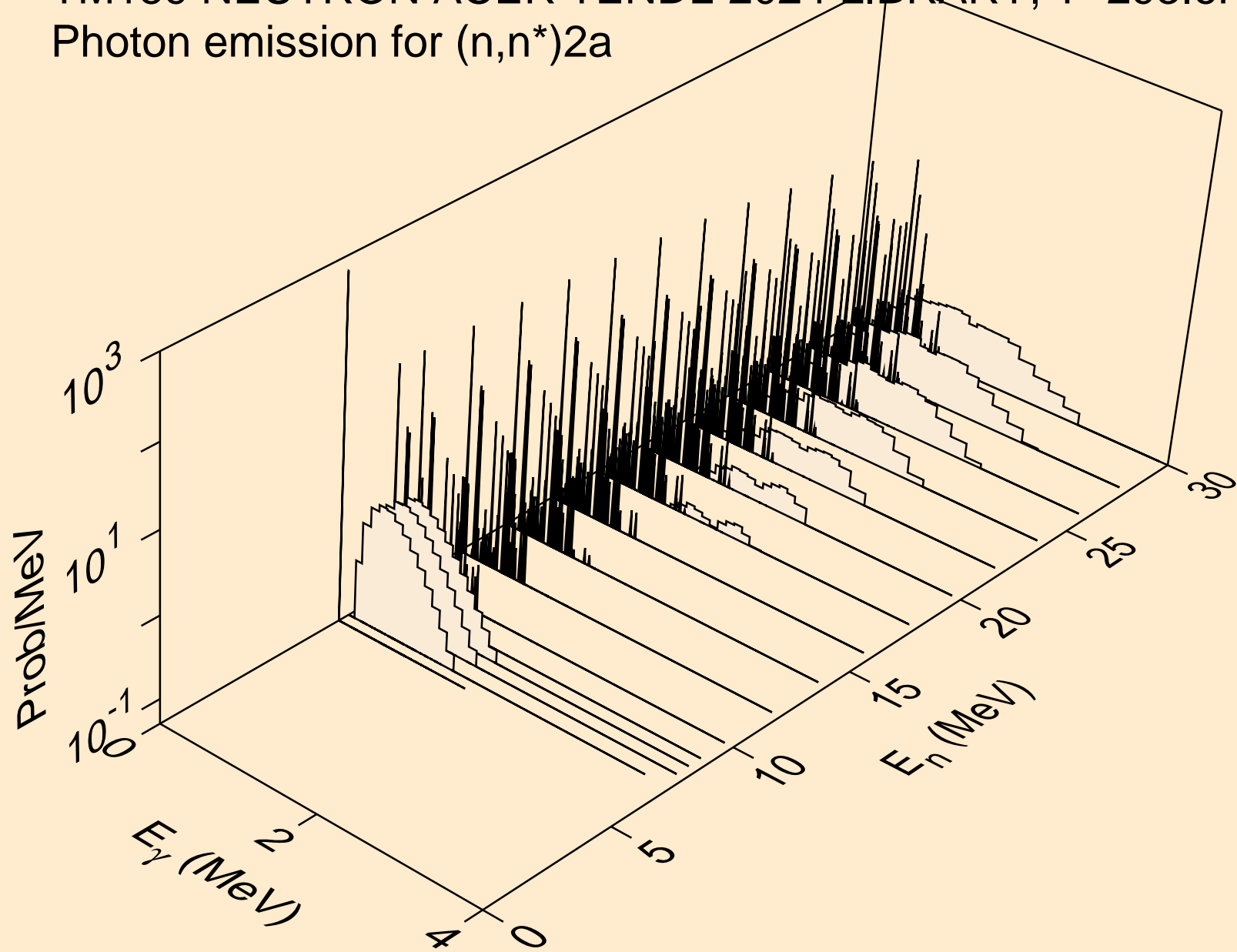
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,3n)a



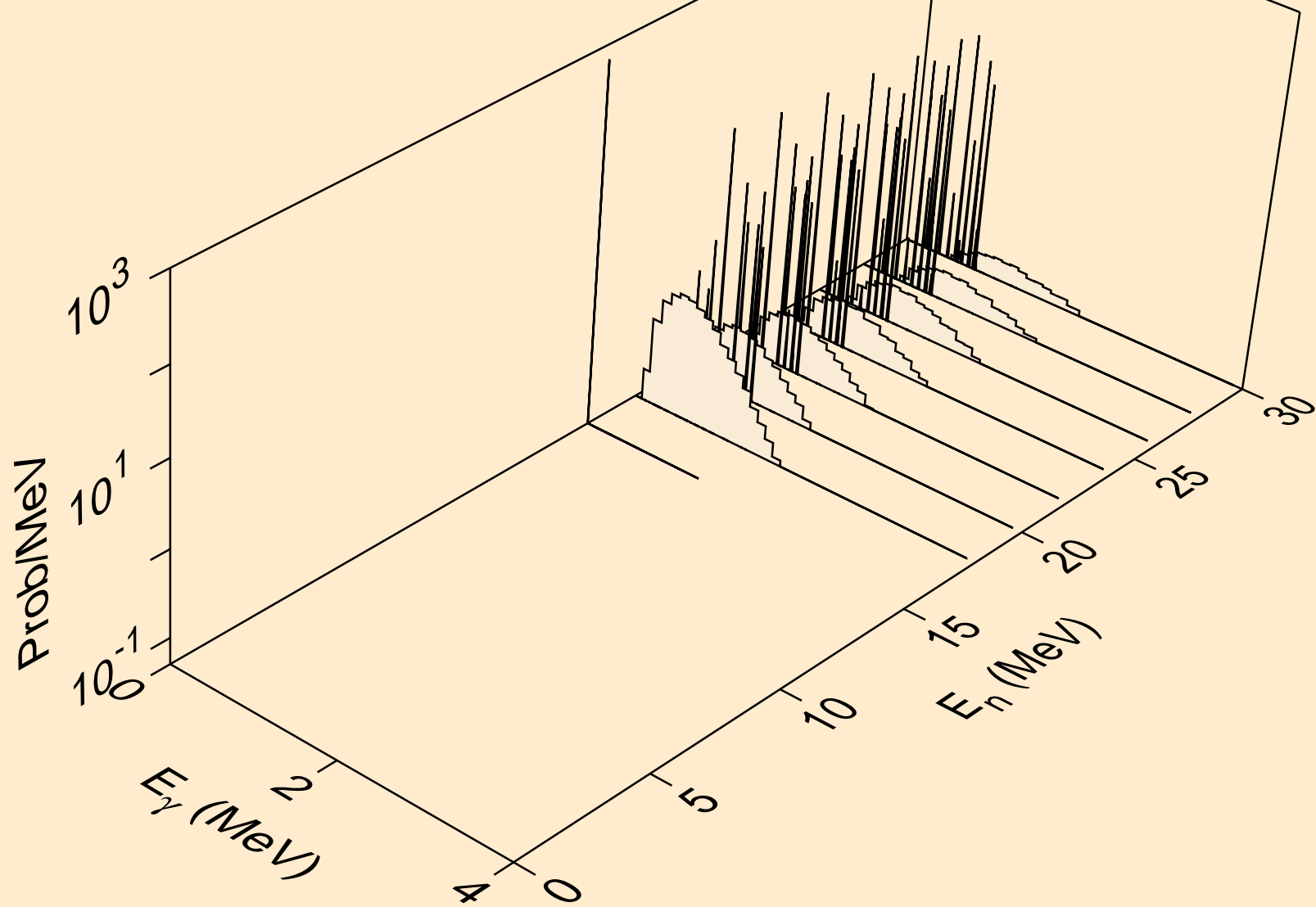
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*)p



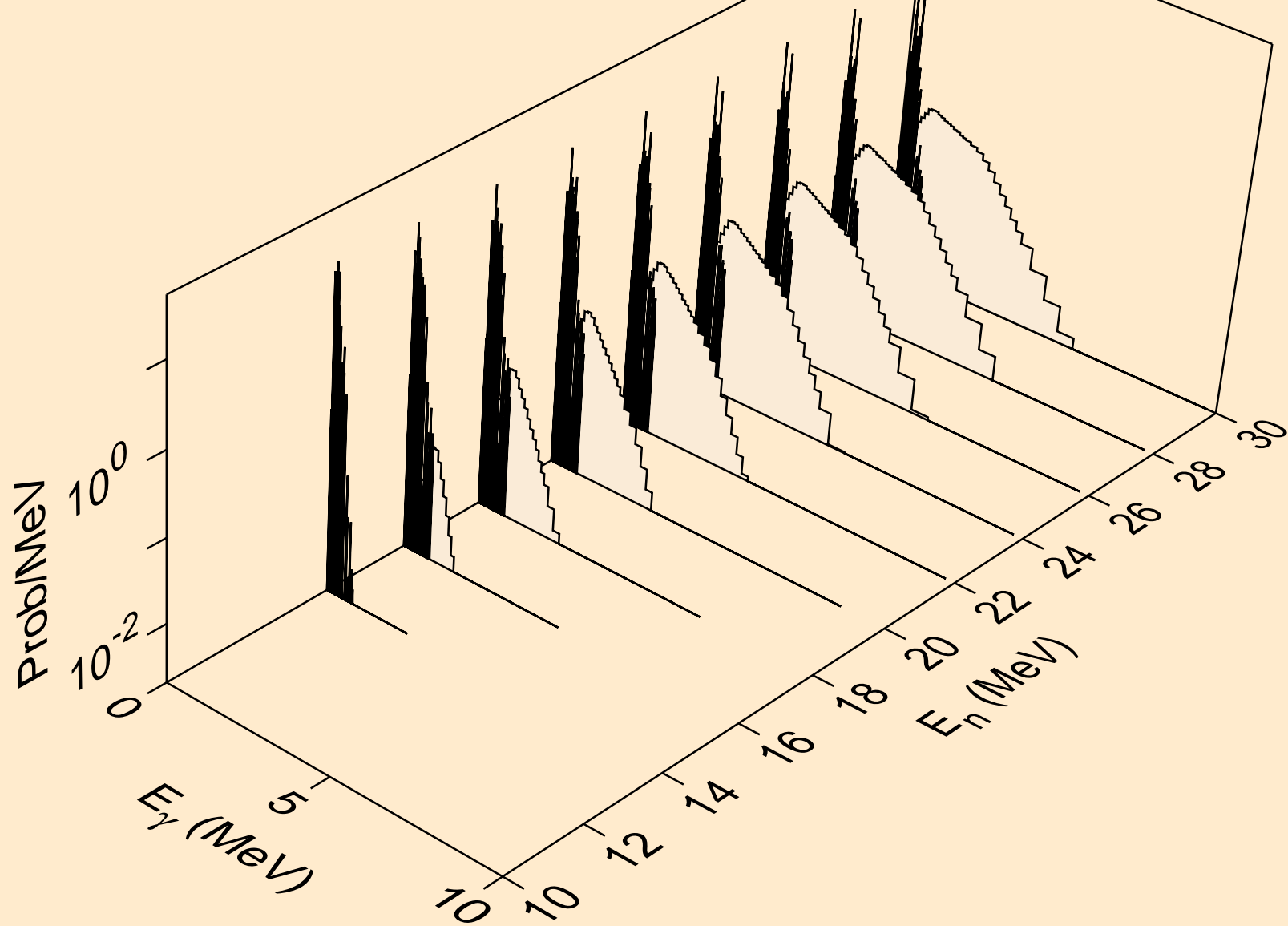
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*)2a



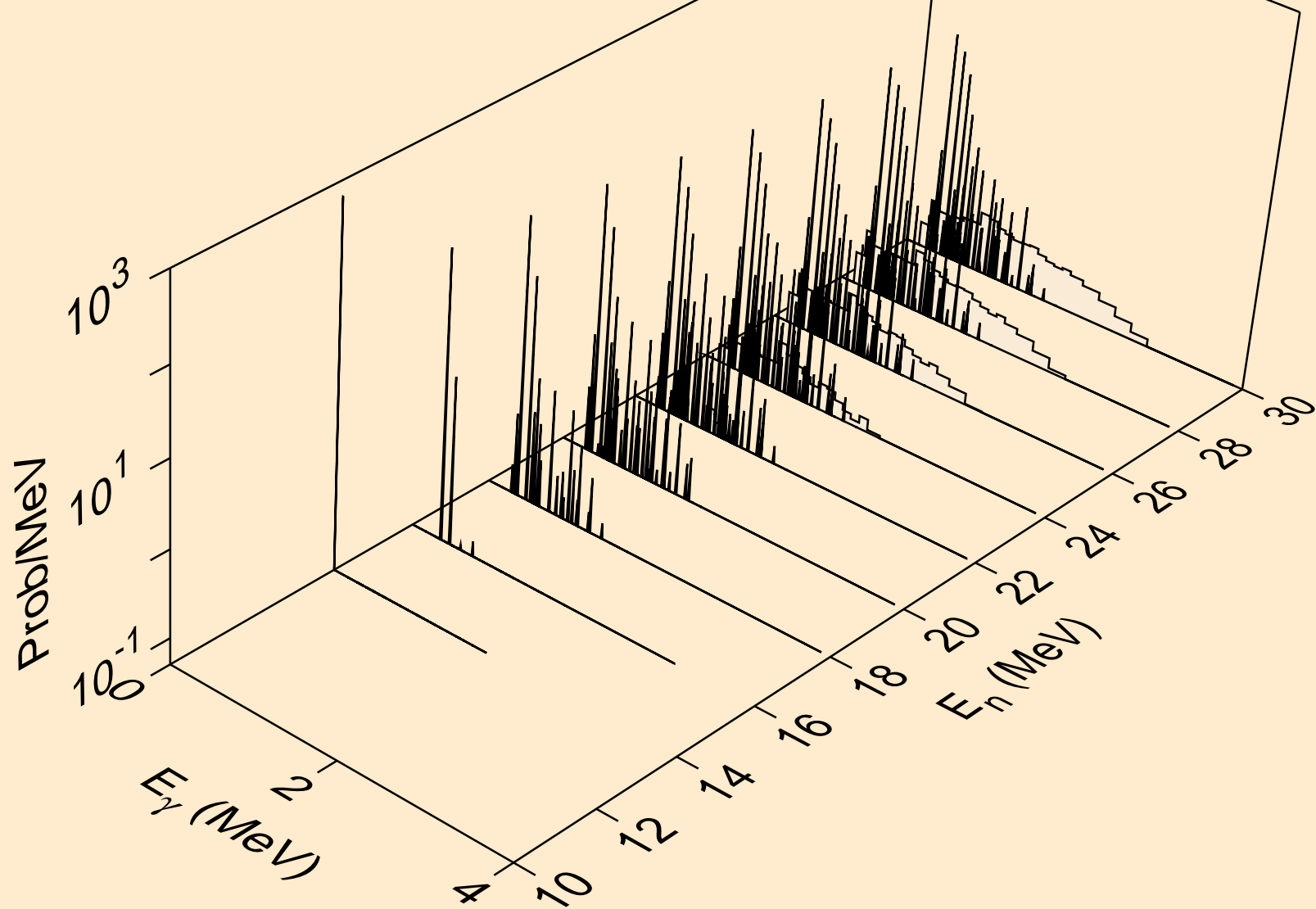
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,2n)2a



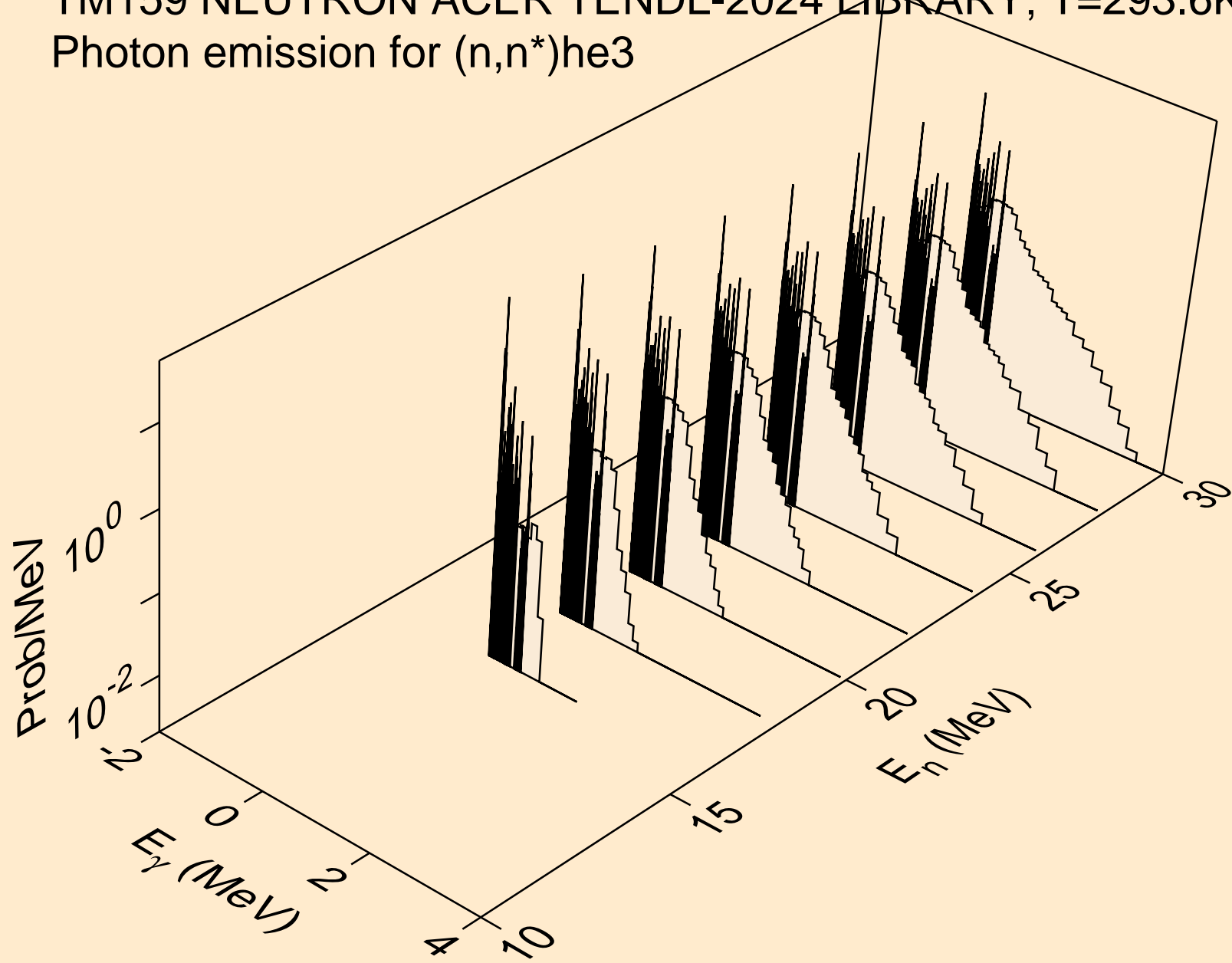
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*)d



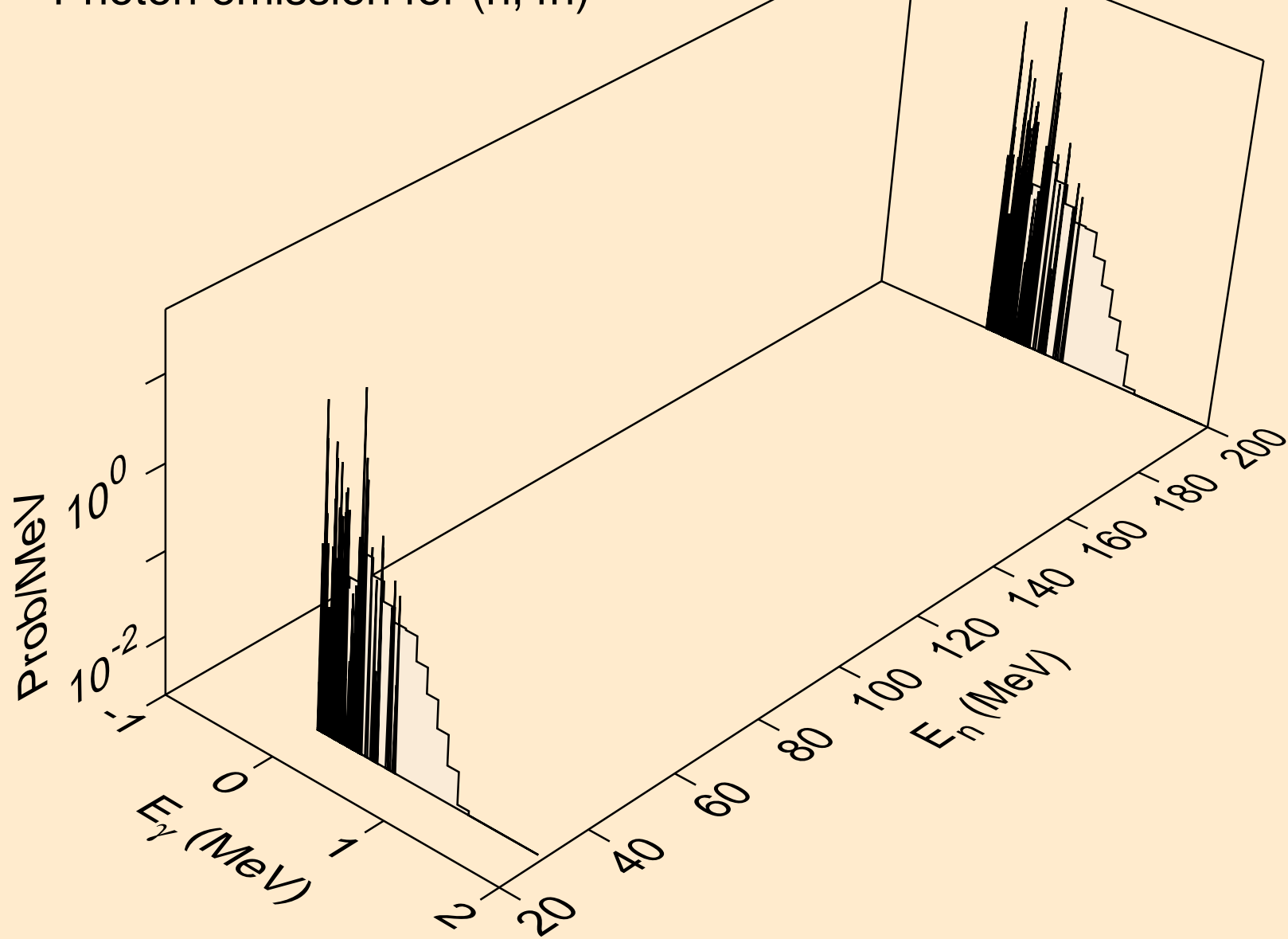
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*)t



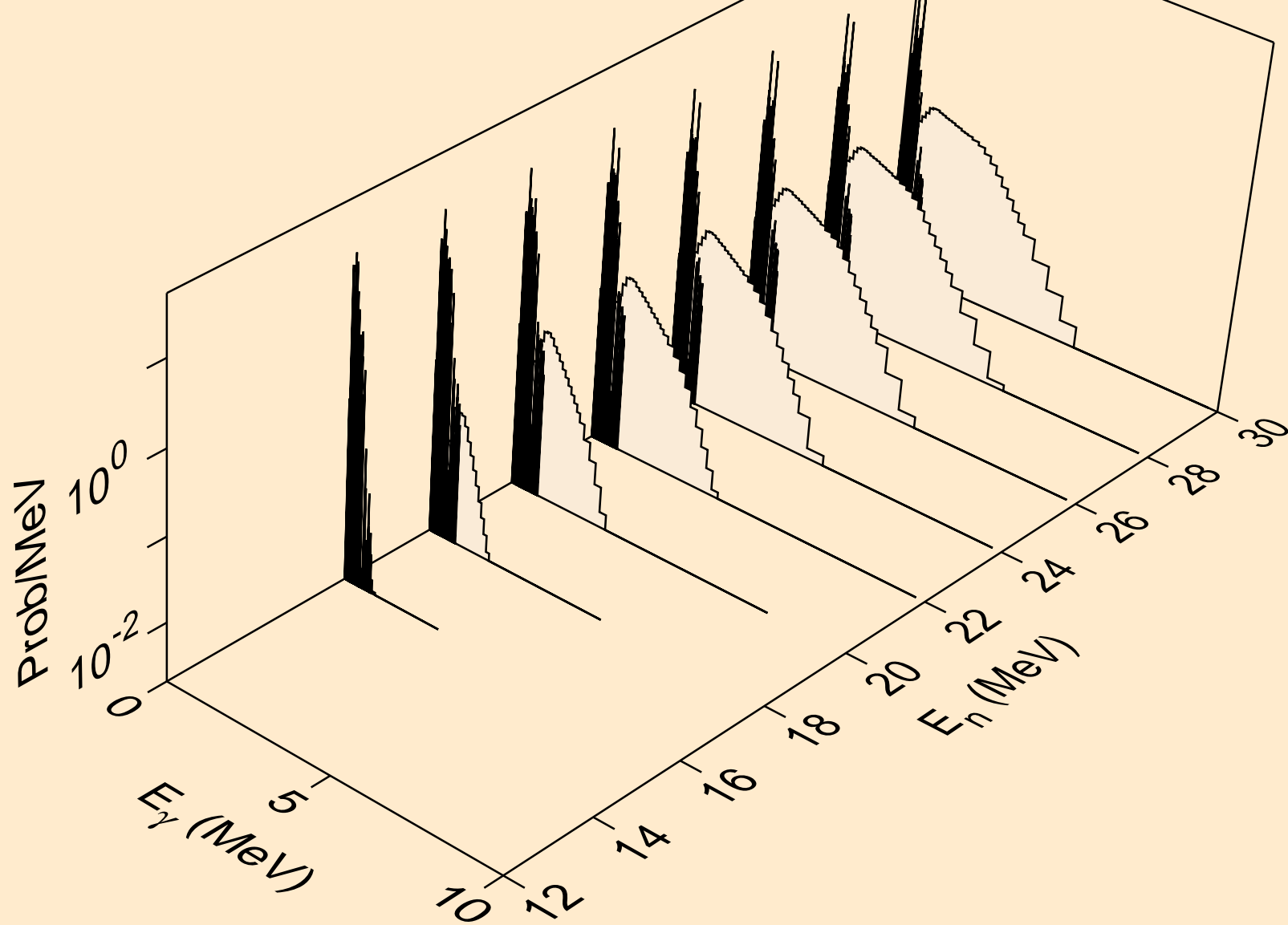
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*)he3



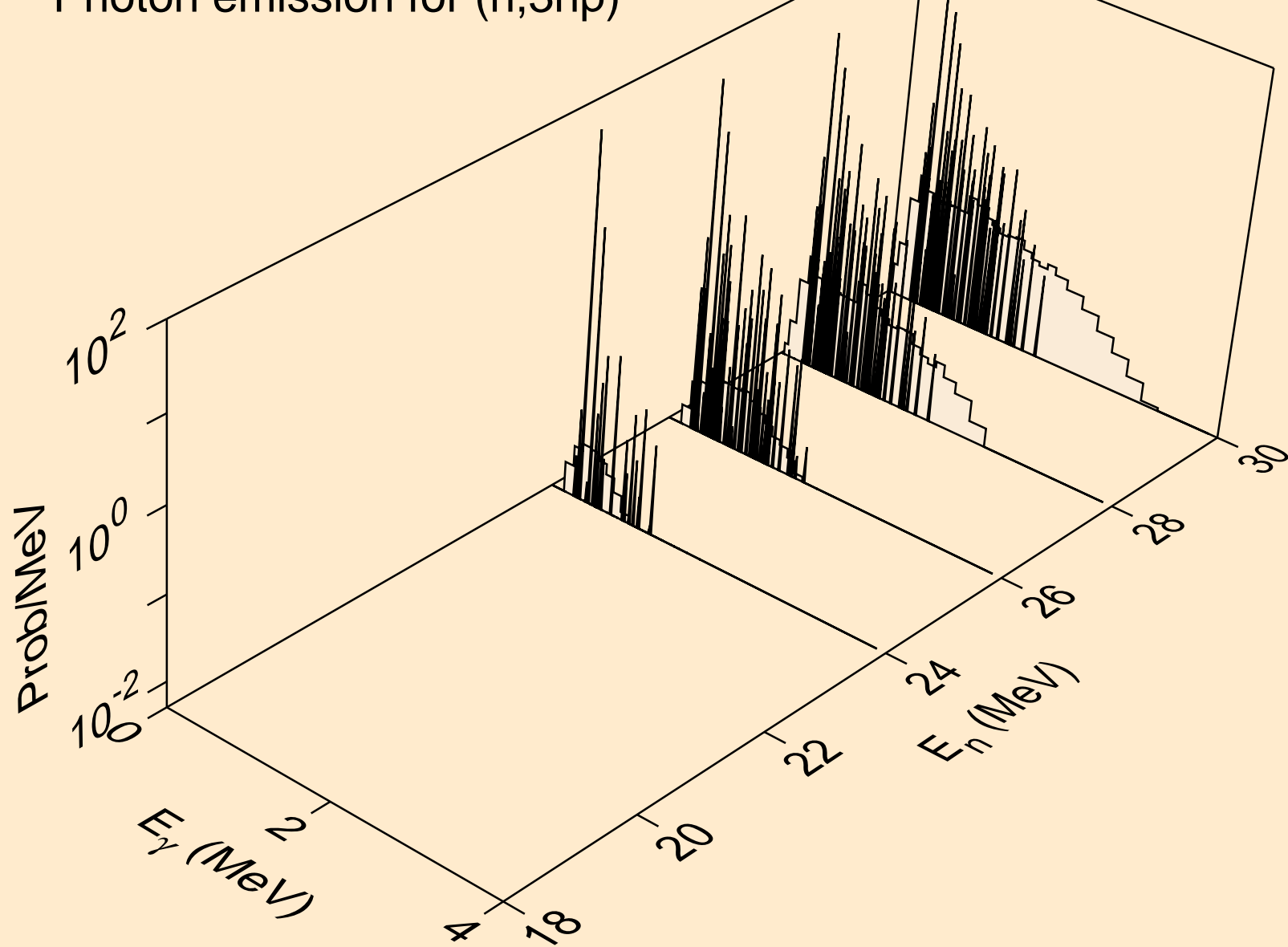
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,4n)



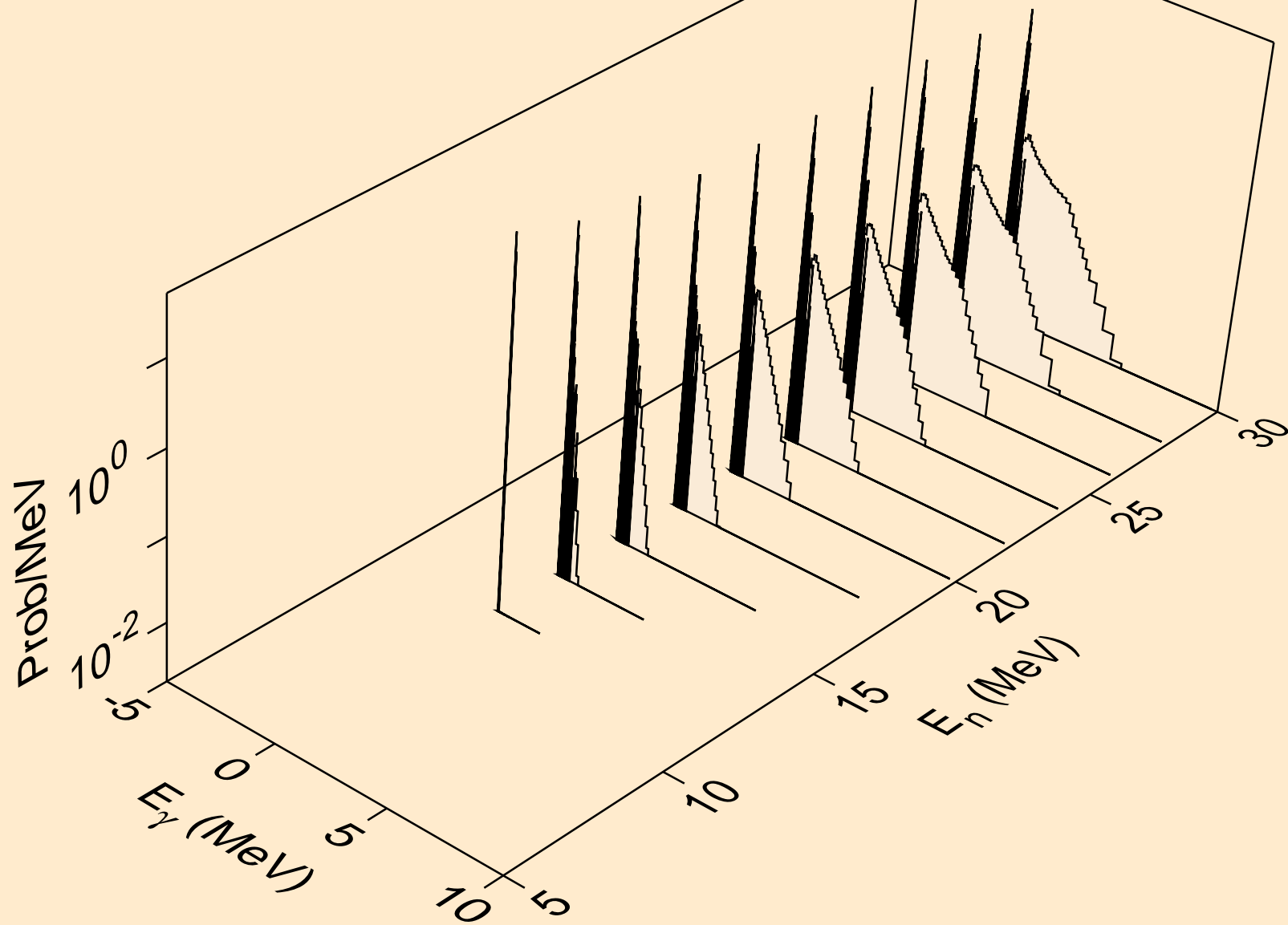
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,2np)



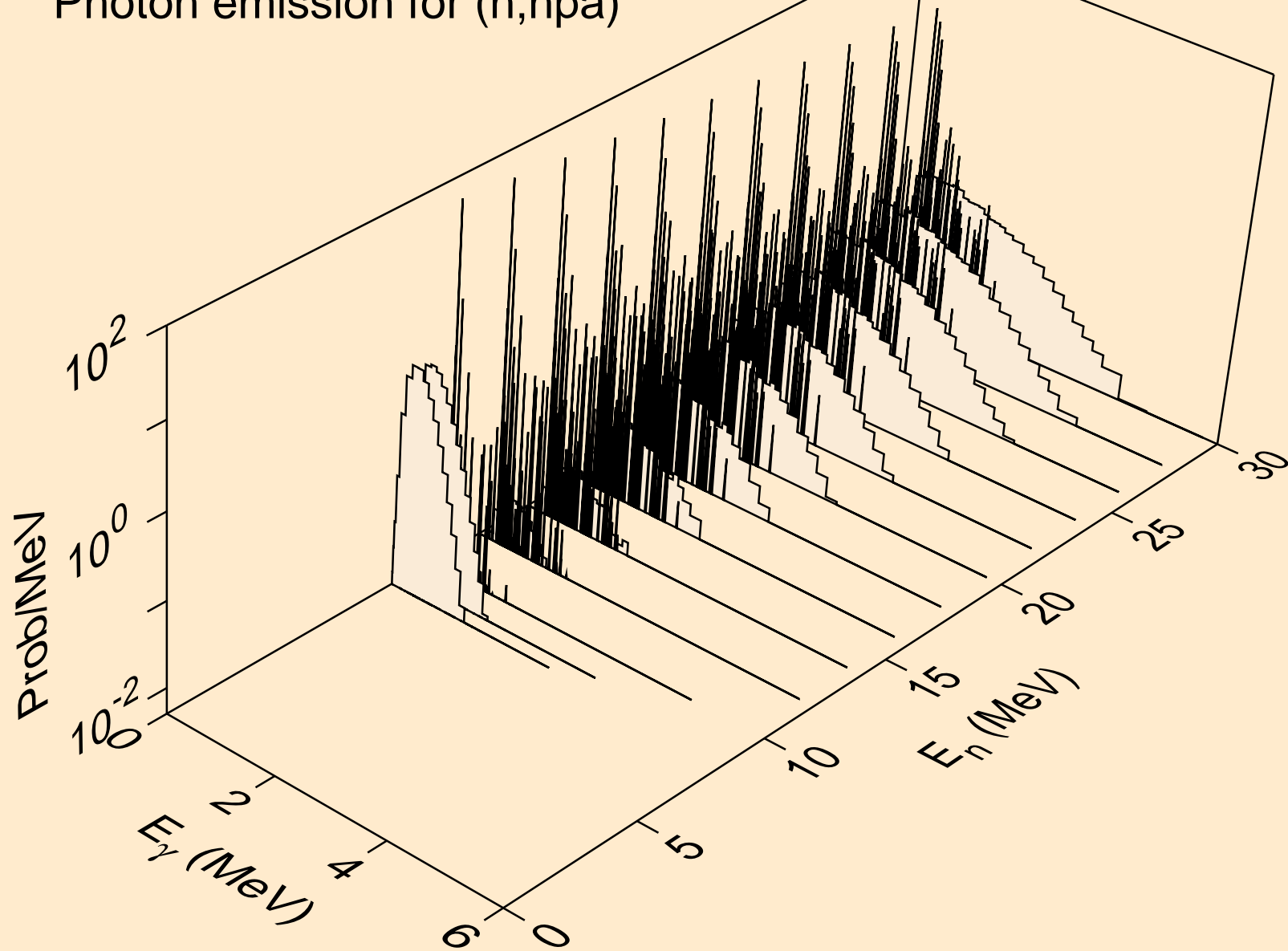
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,3np)



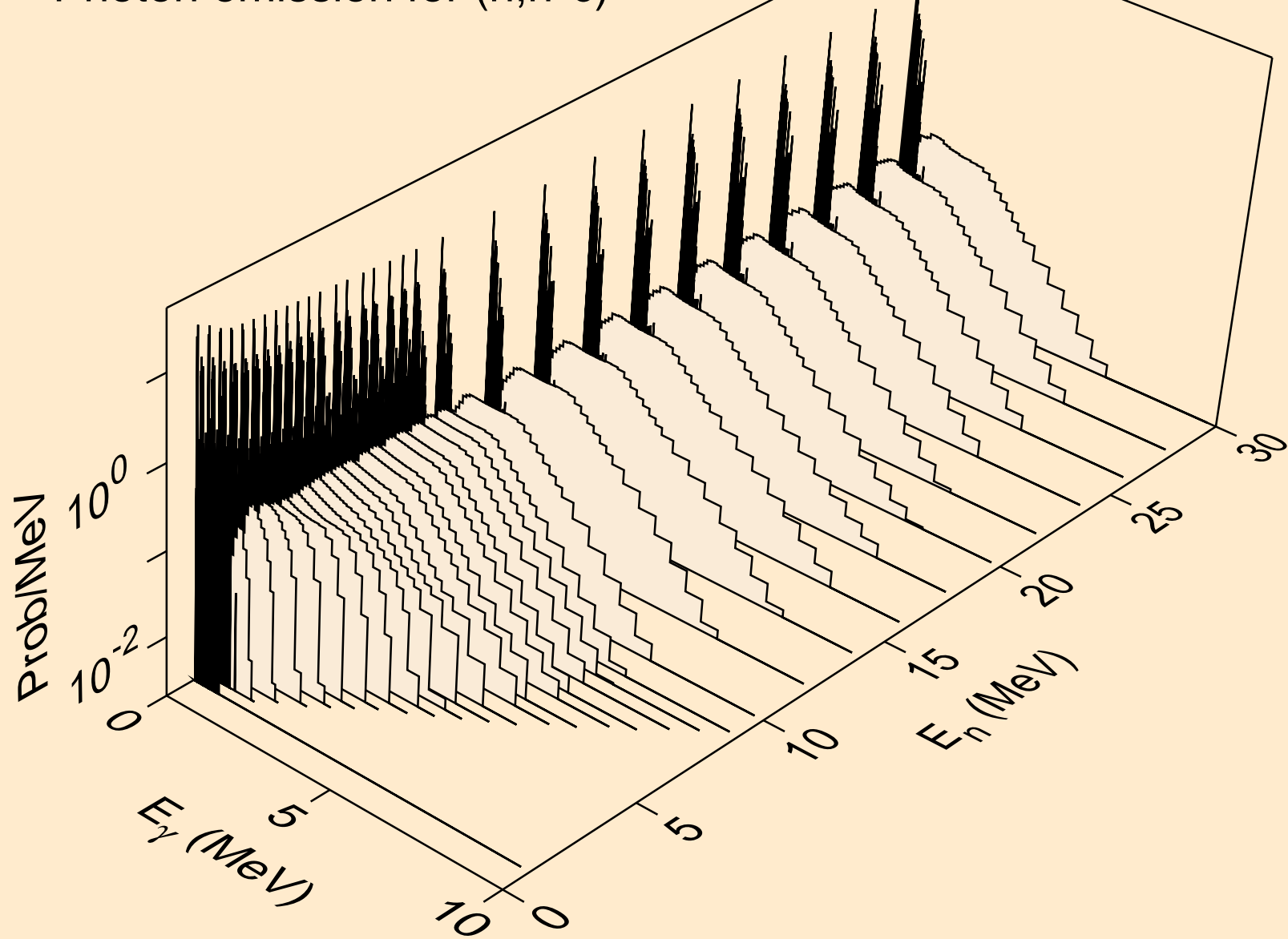
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n2p)



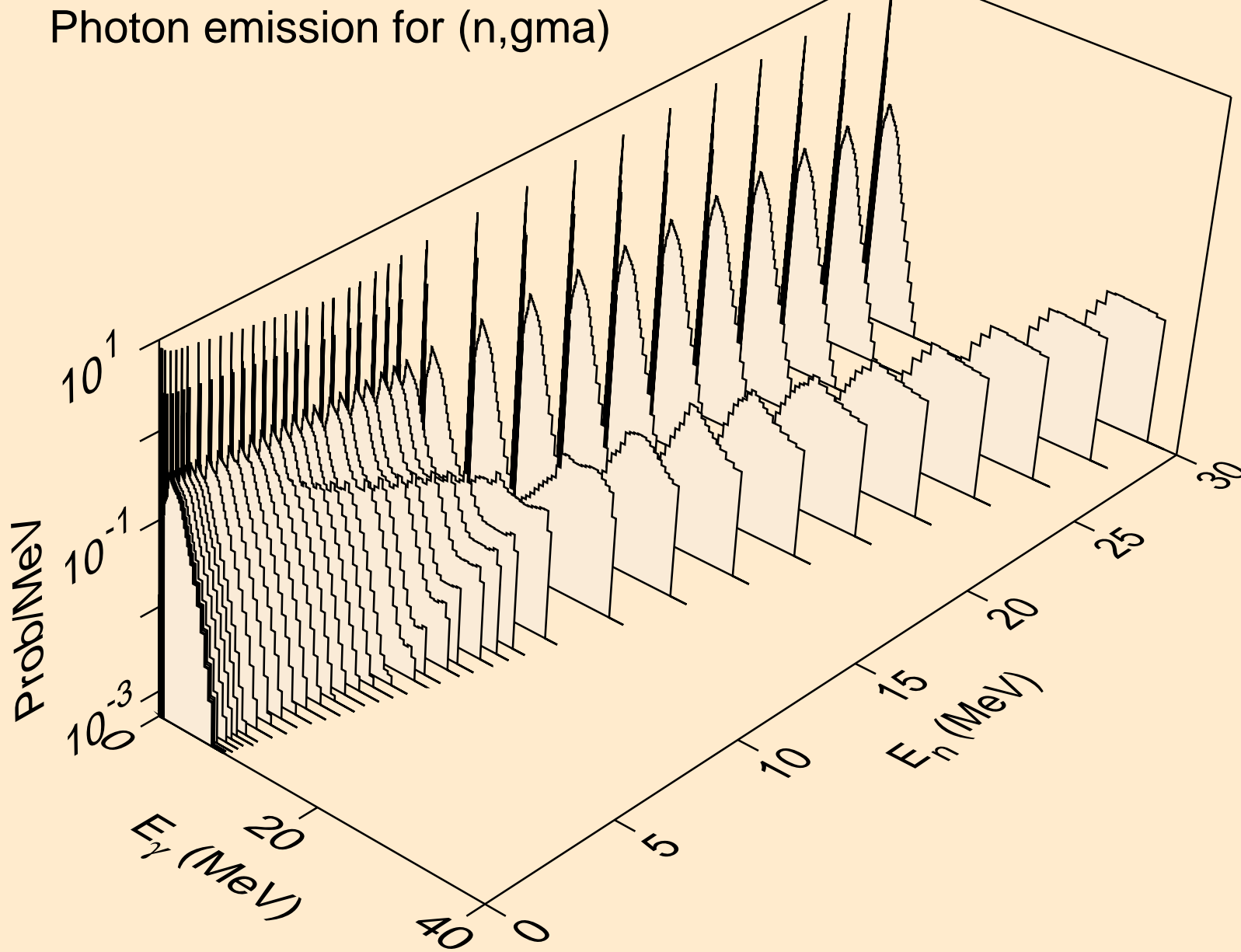
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,npa)



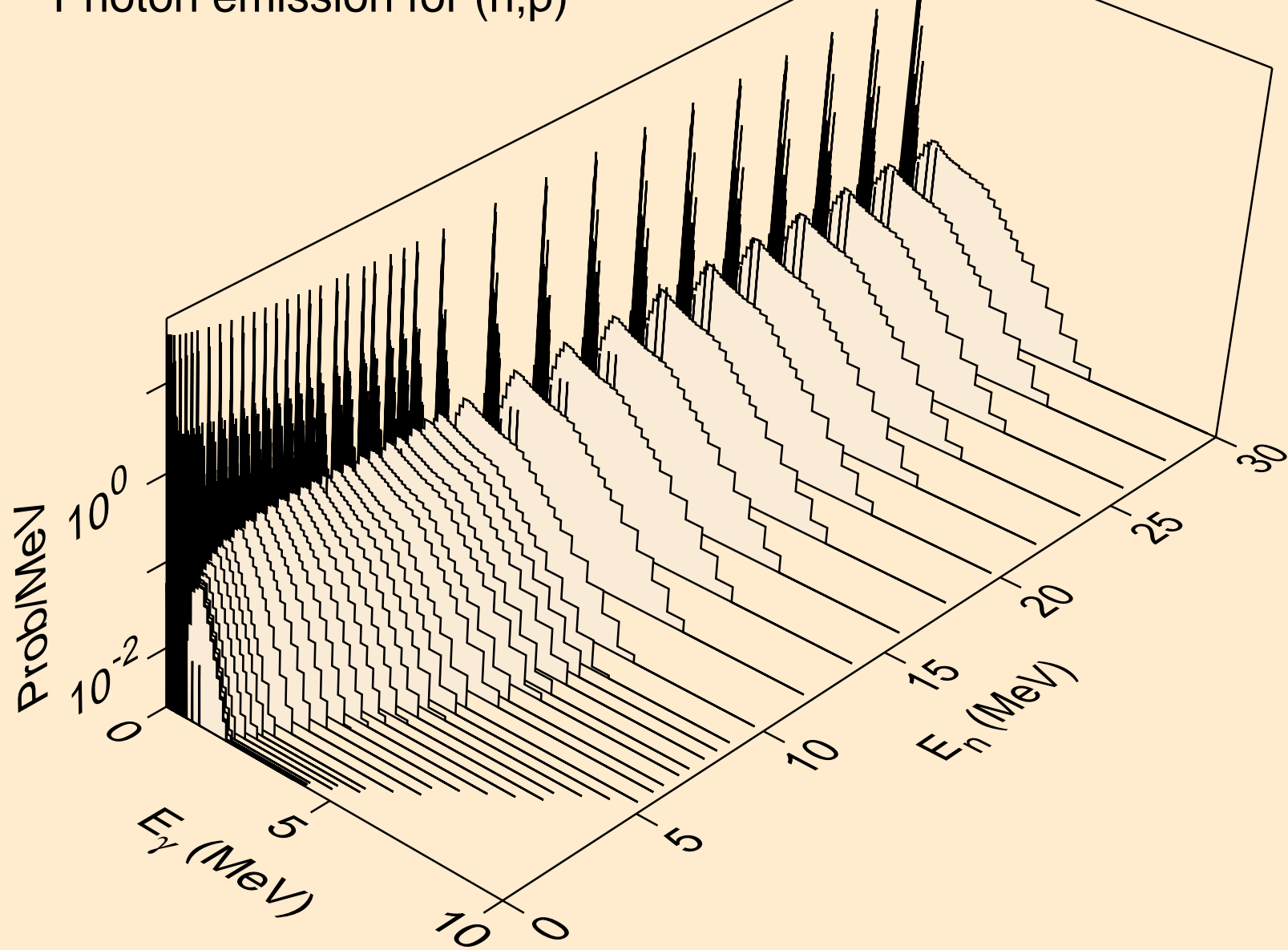
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*c)



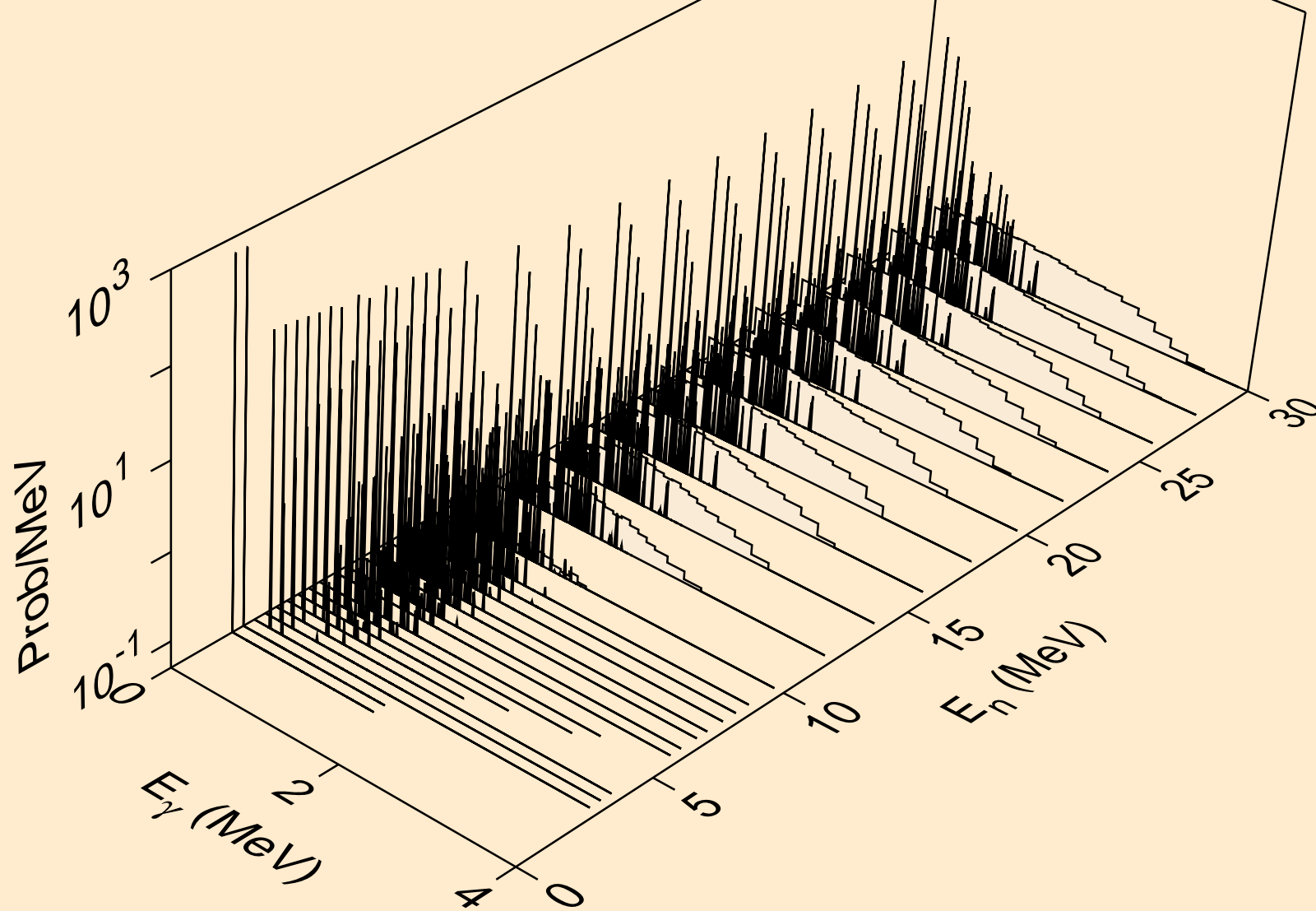
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,gma)



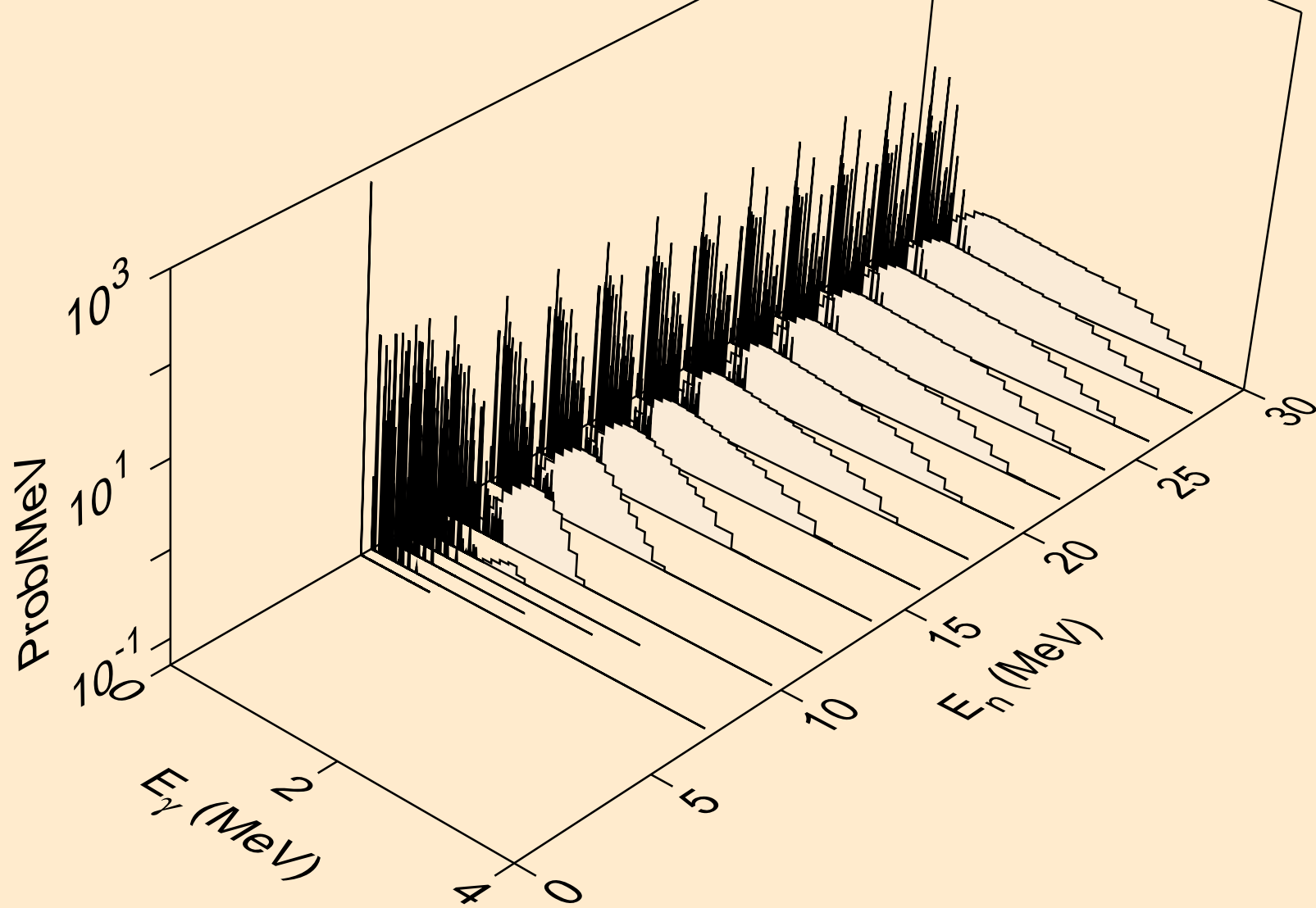
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,p)



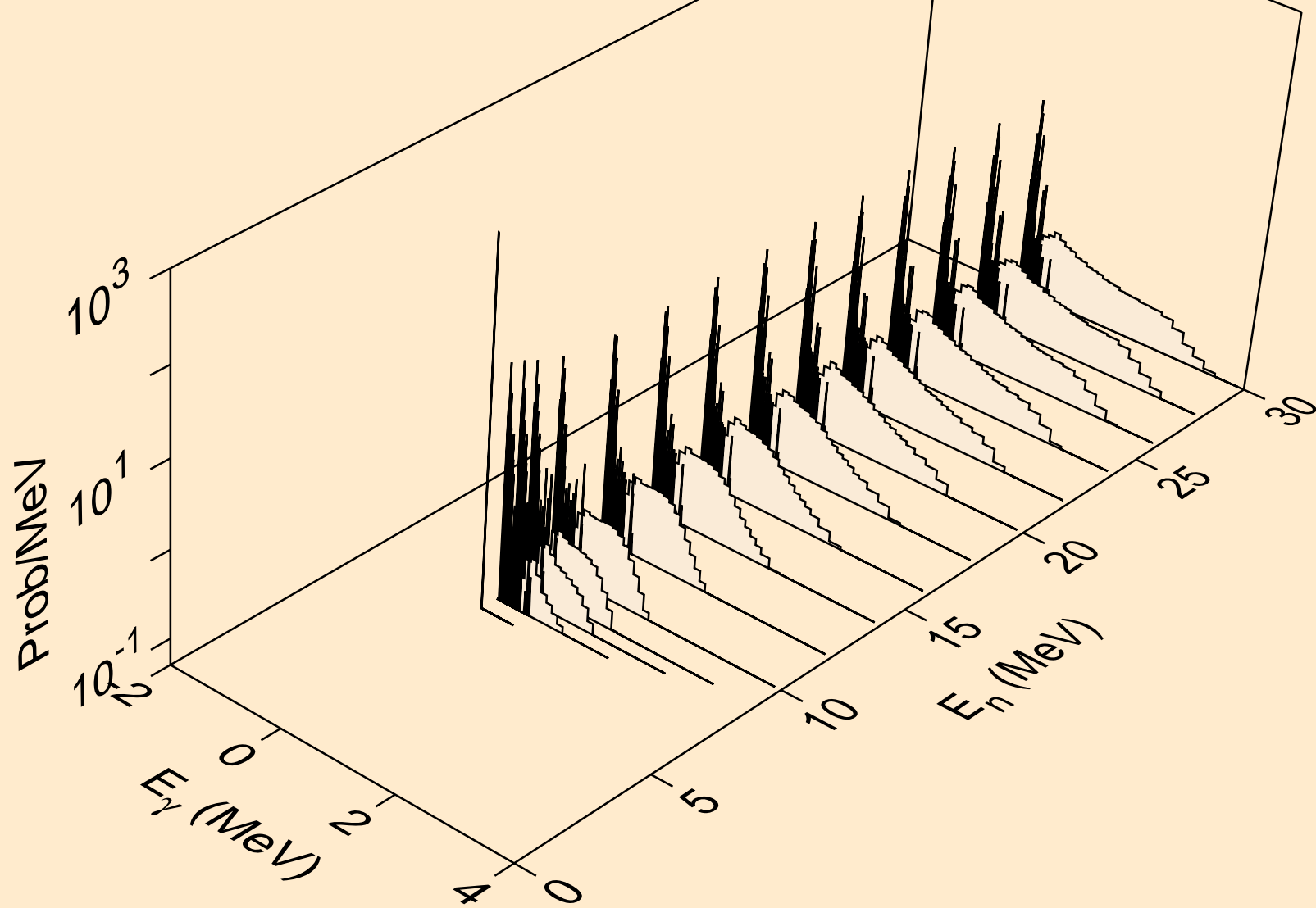
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,d)



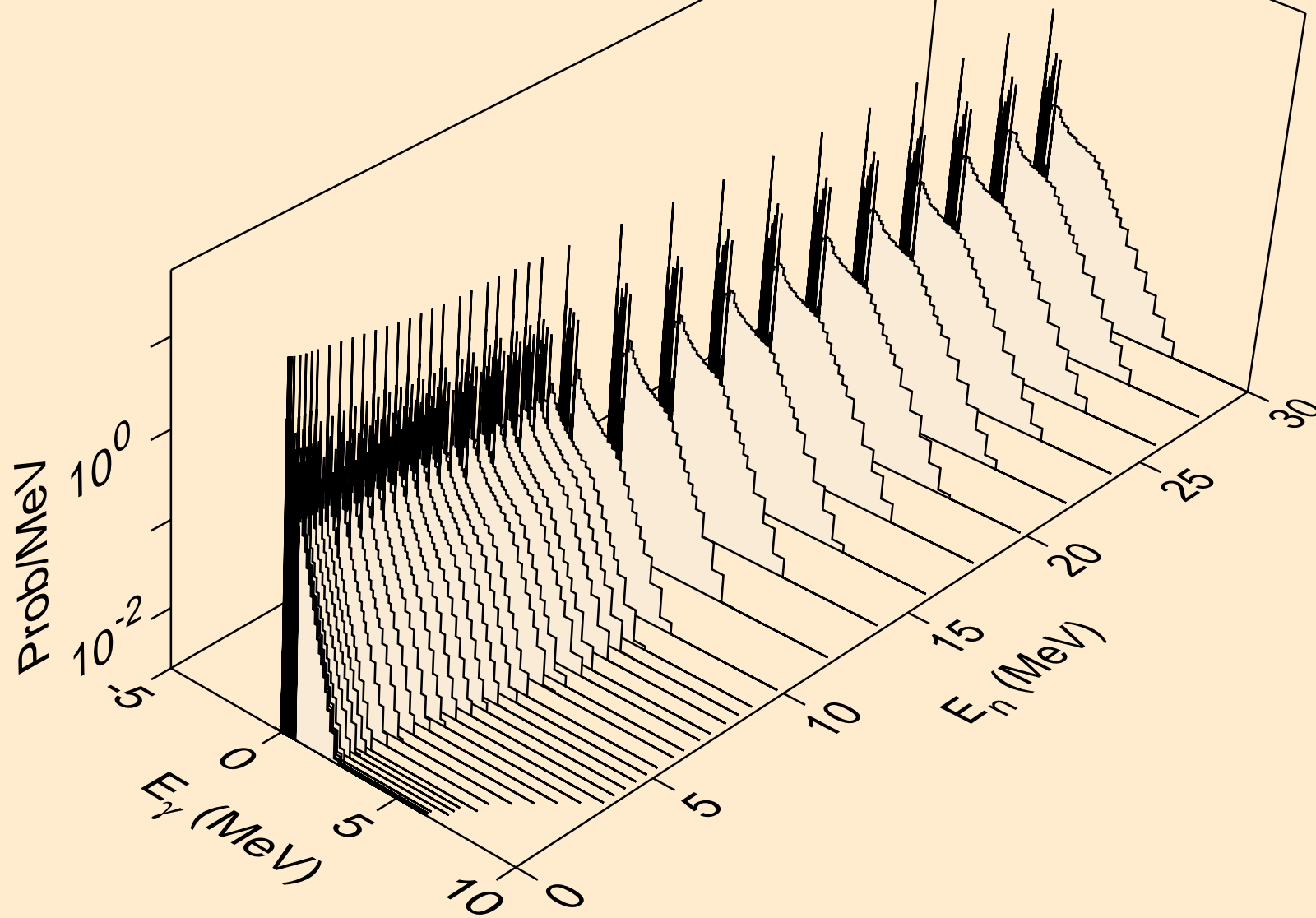
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,t)



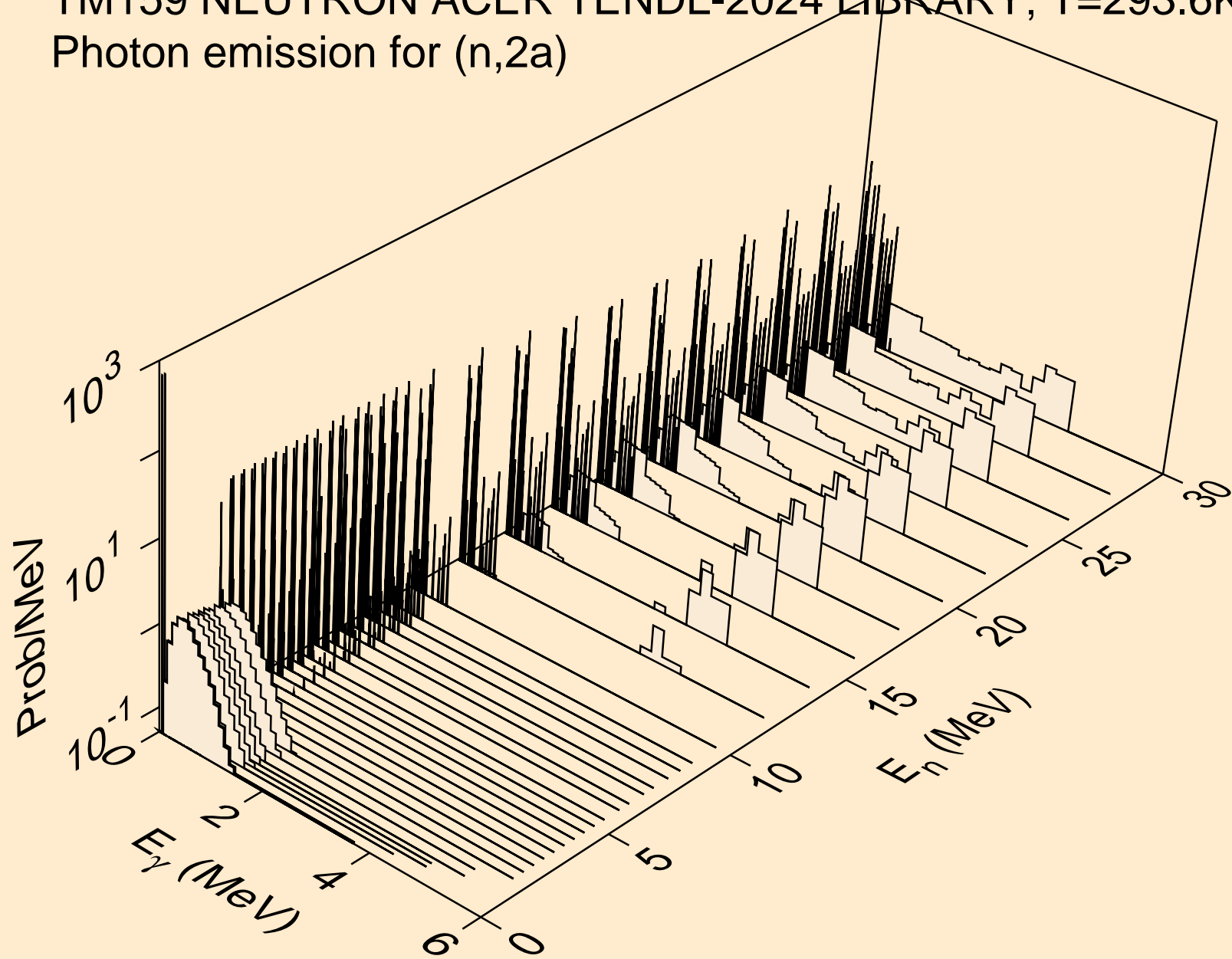
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,he3)



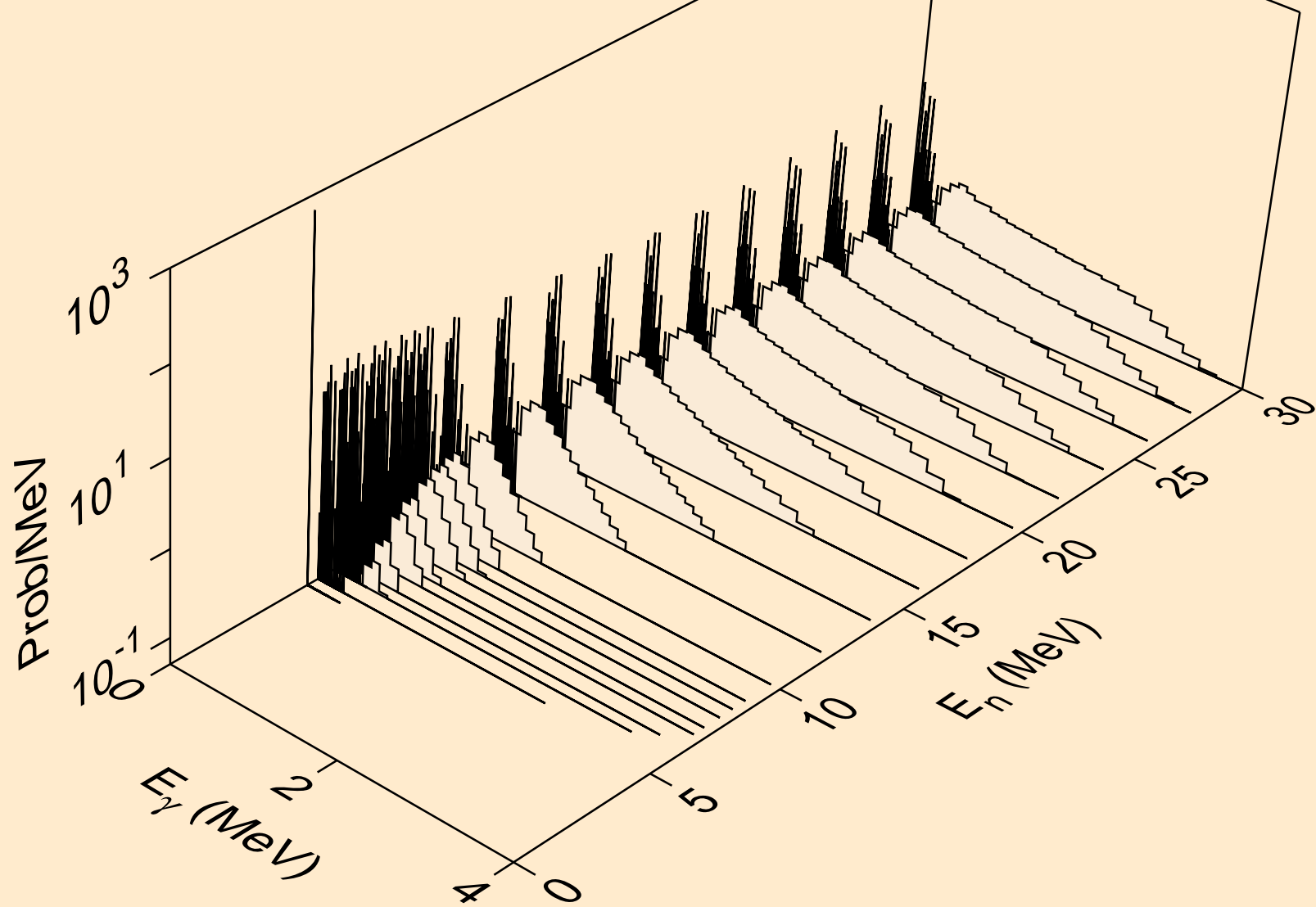
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,a)



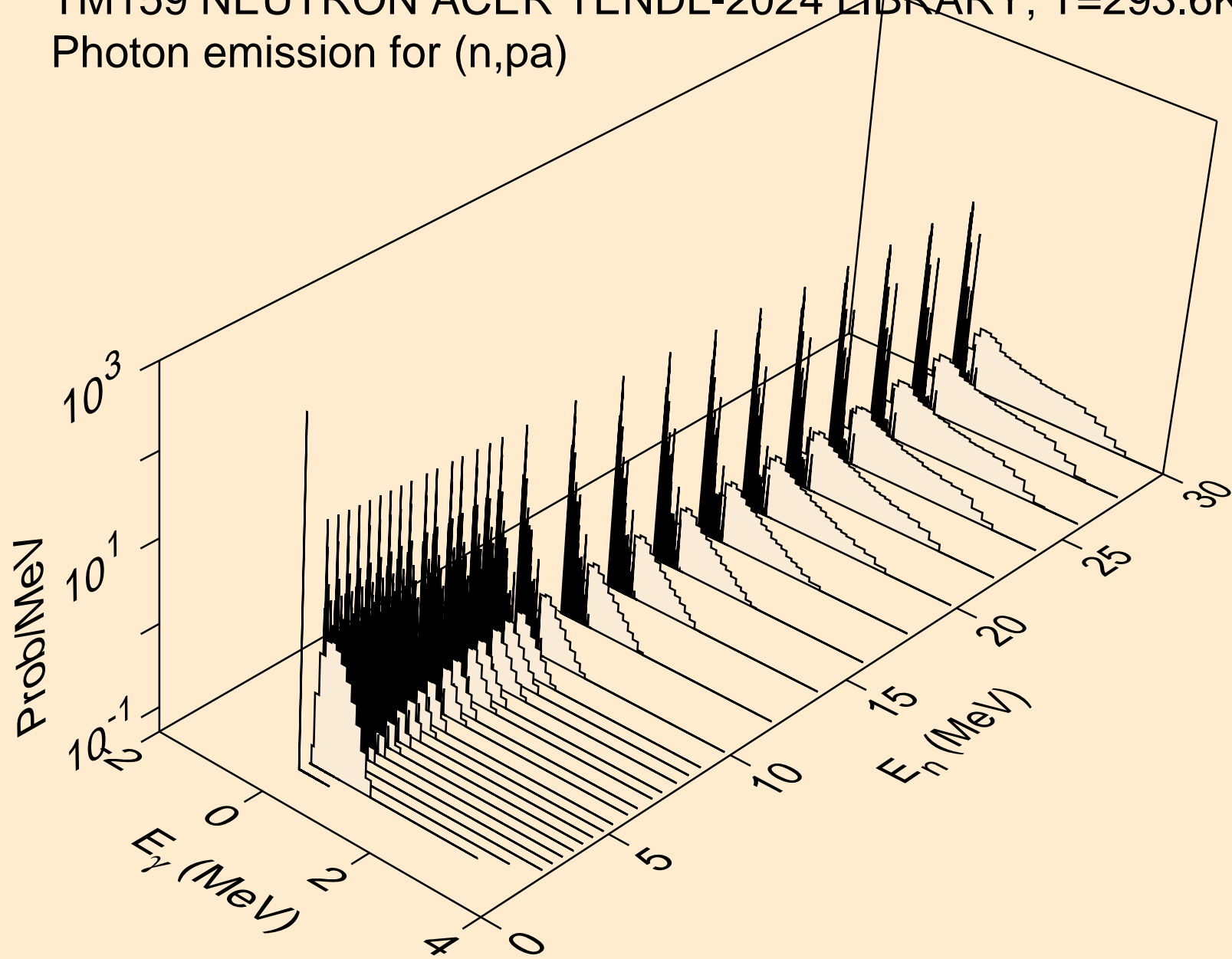
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,2a)



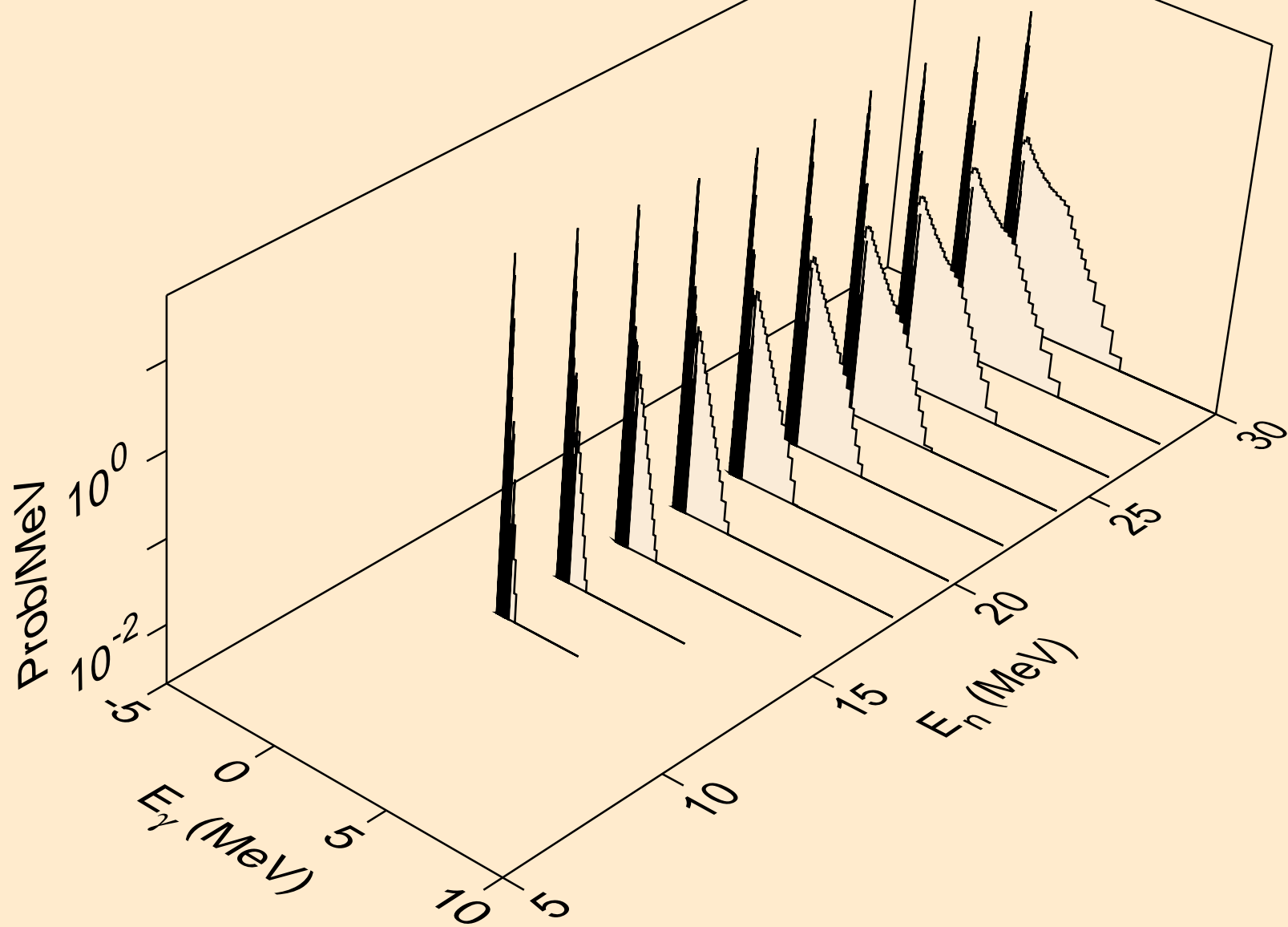
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,2p)



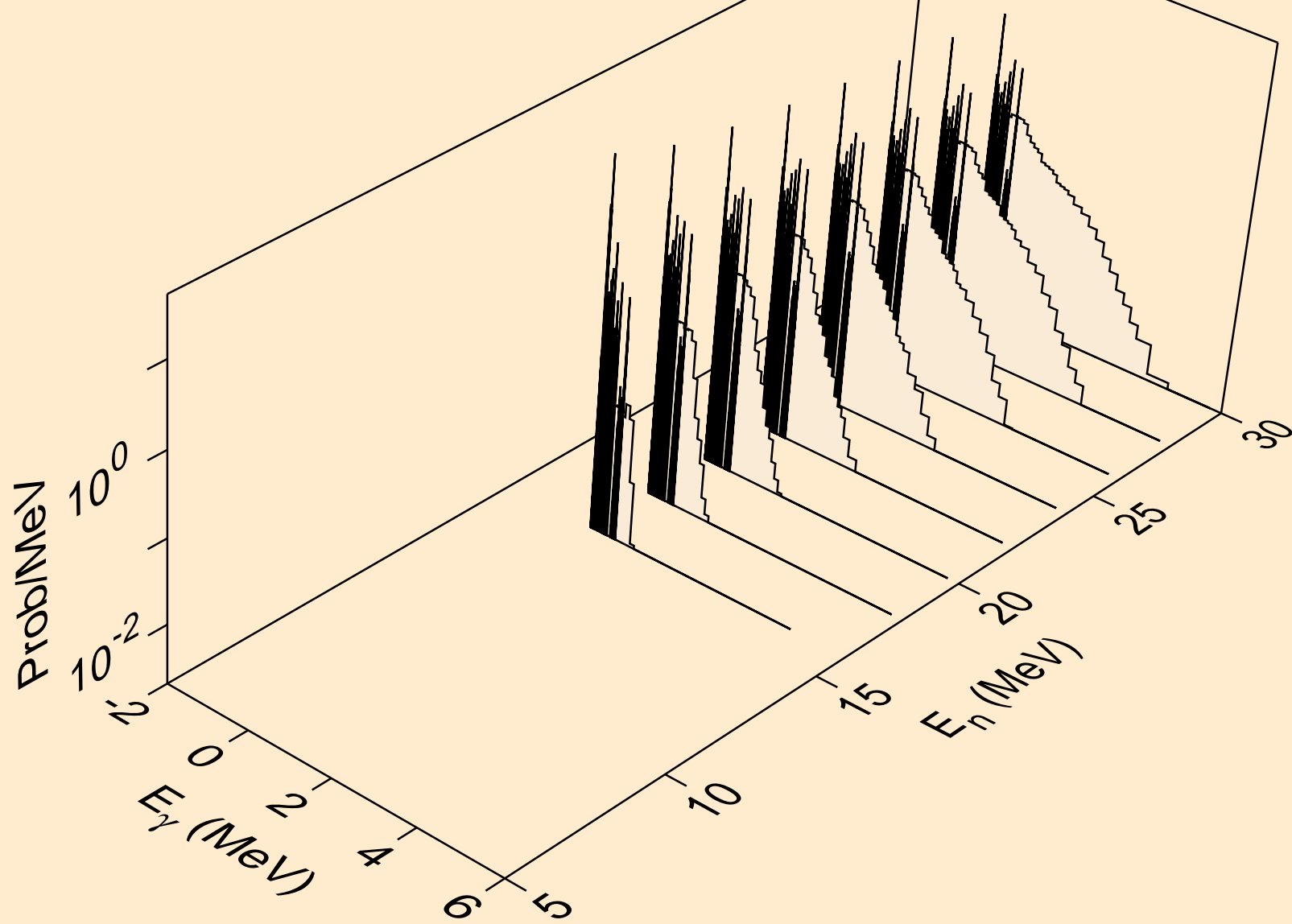
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,p $\alpha$ )



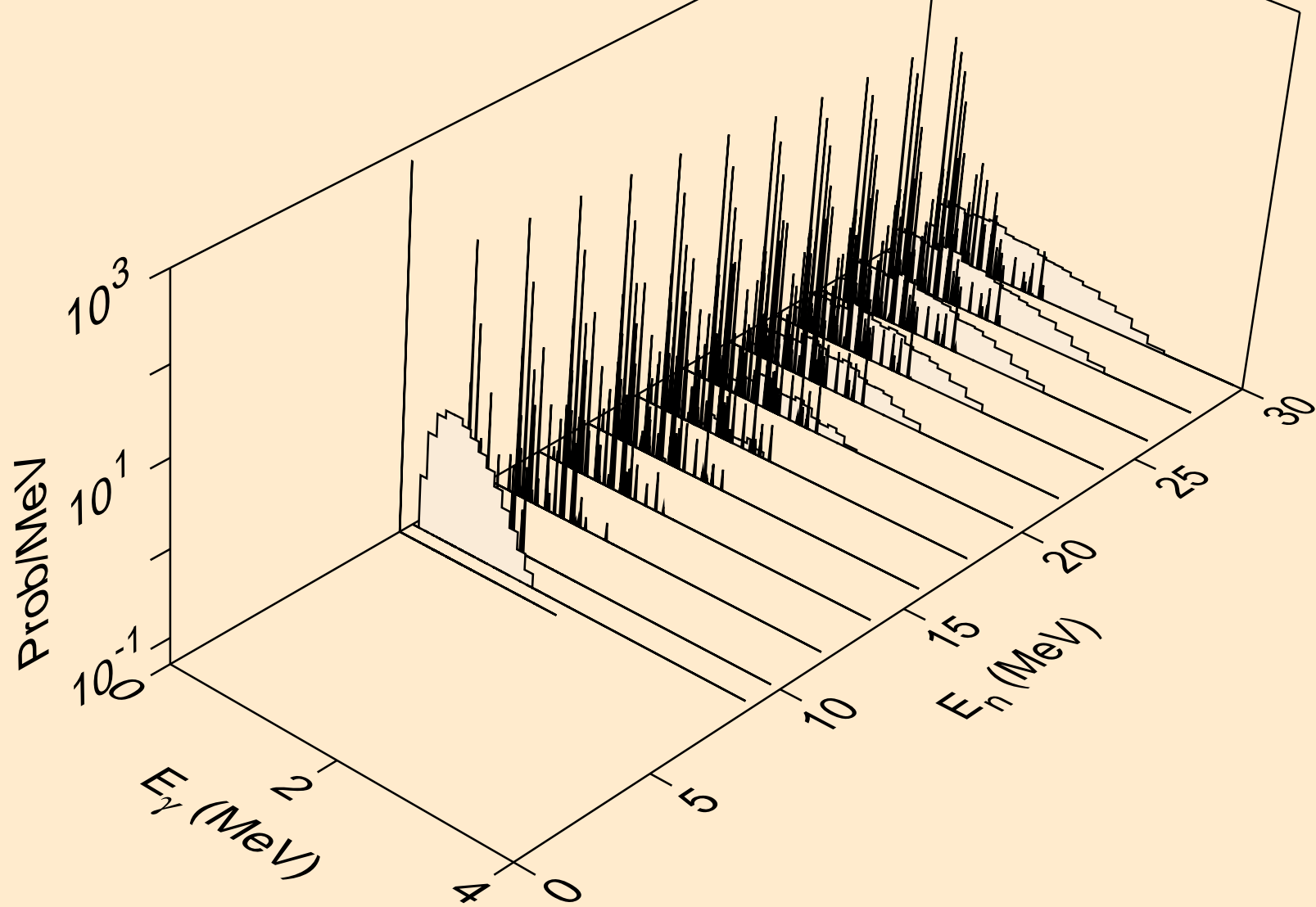
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,pd)



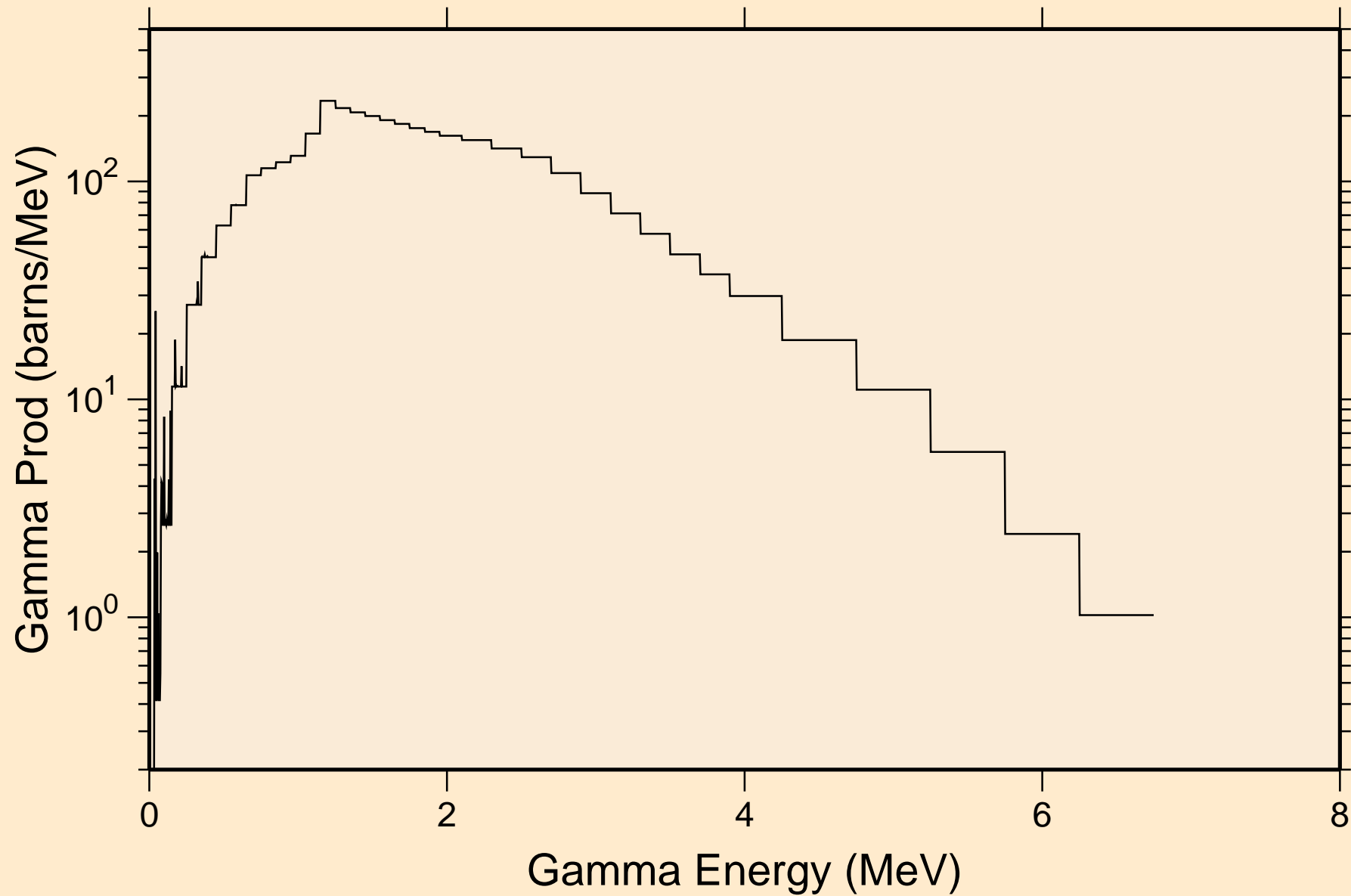
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,pt)



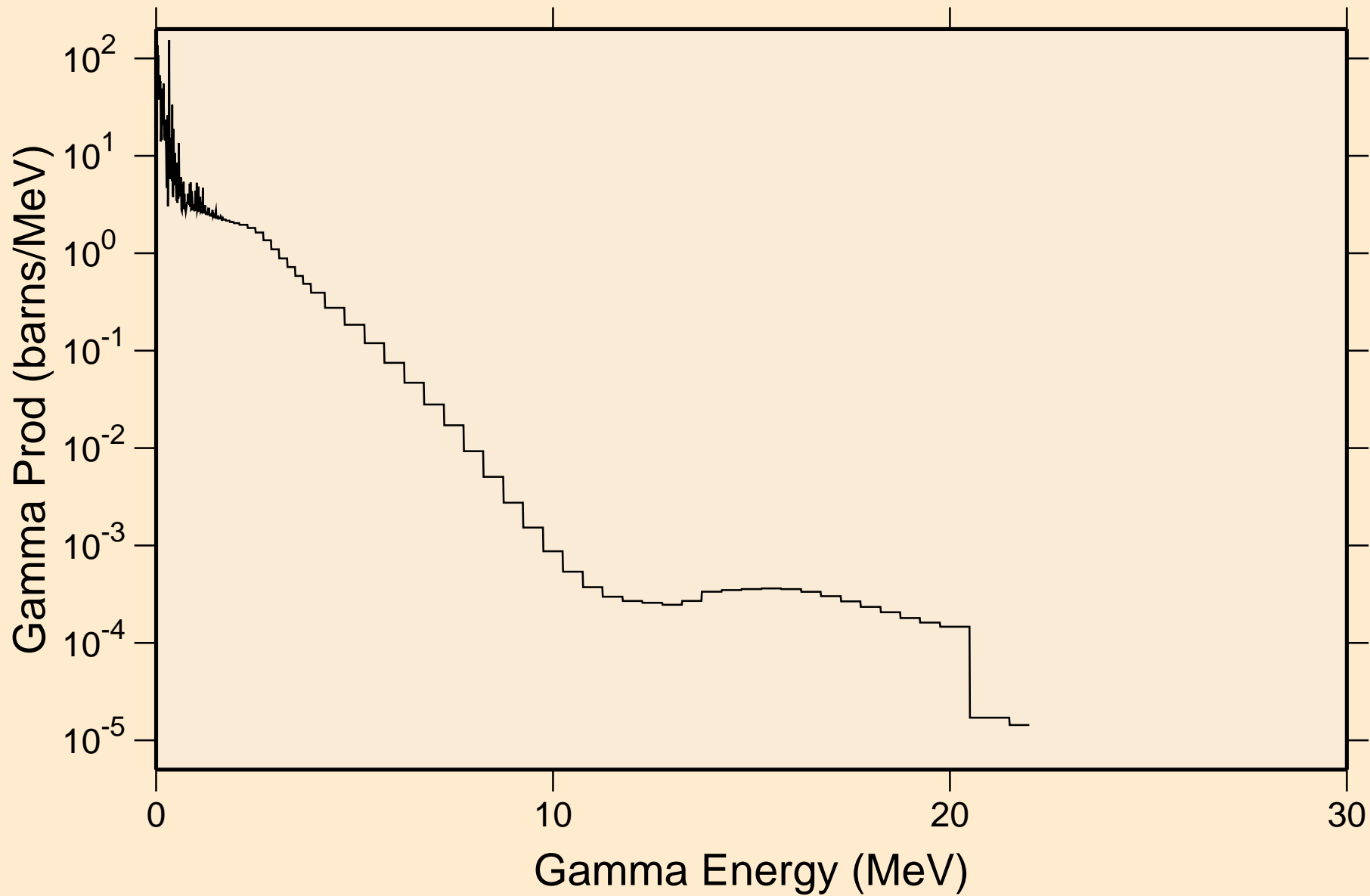
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,da)



TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
thermal capture photon spectrum

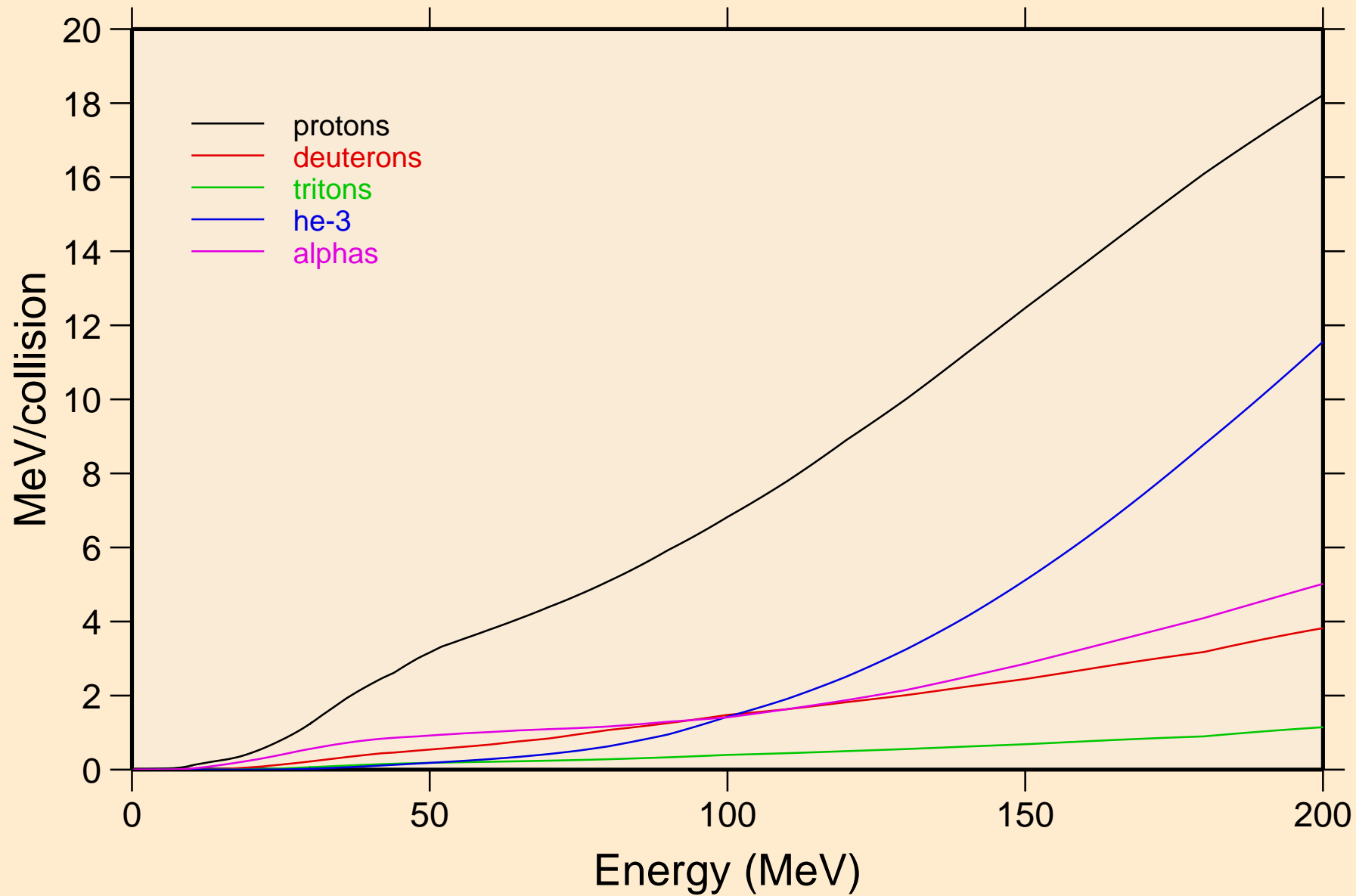


TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
14 MeV photon spectrum

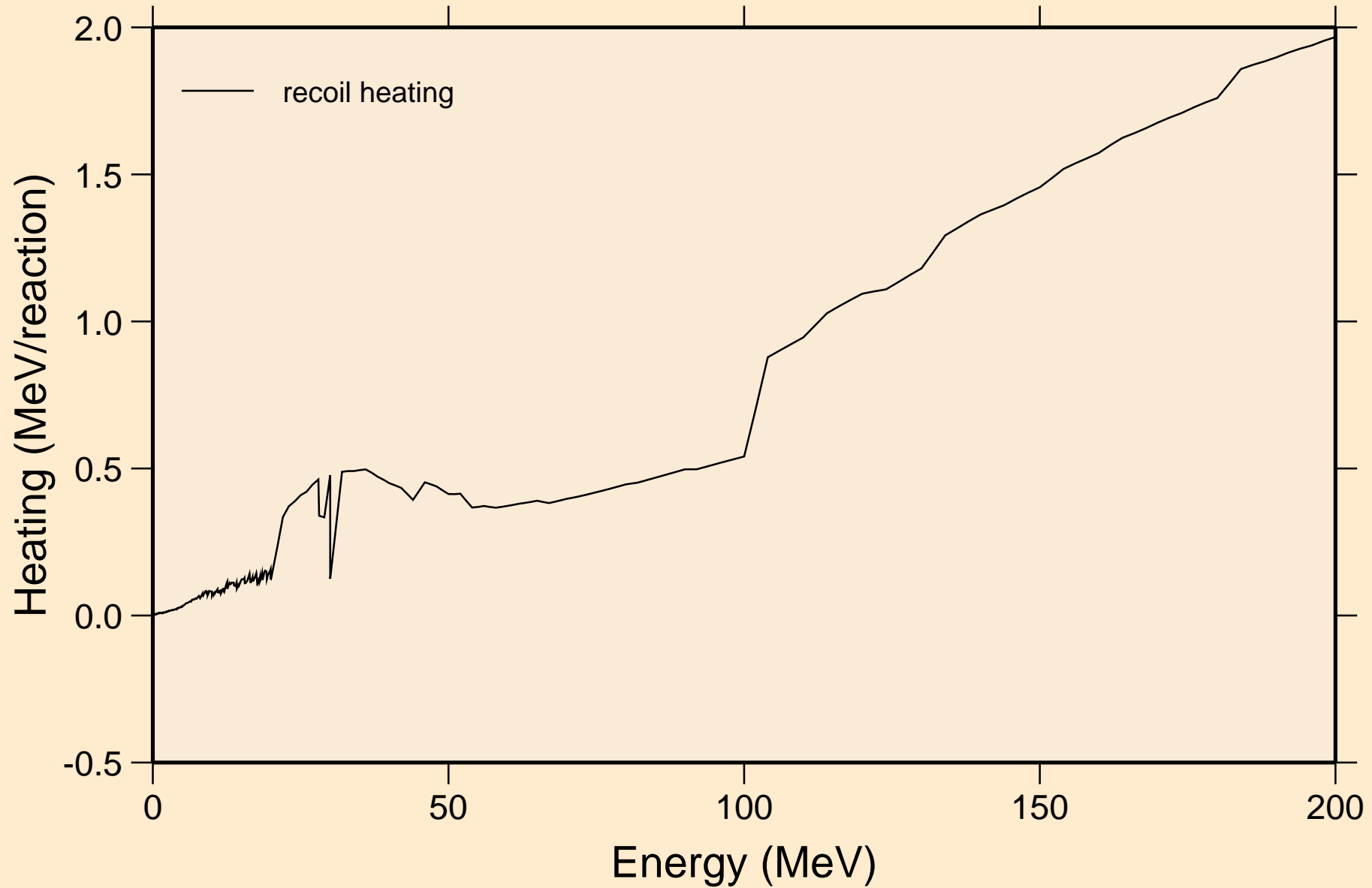


# TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

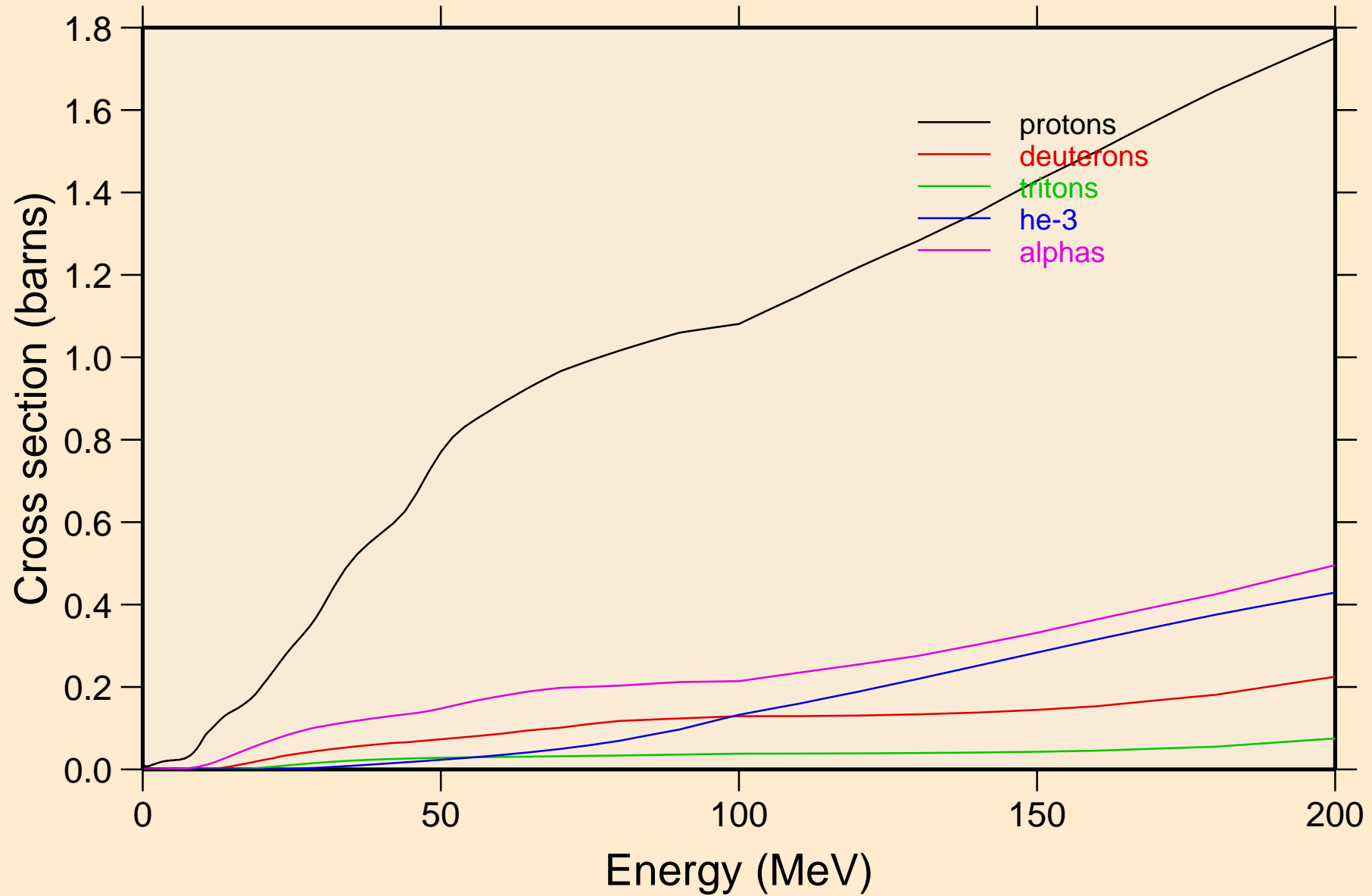
## Particle heating contributions



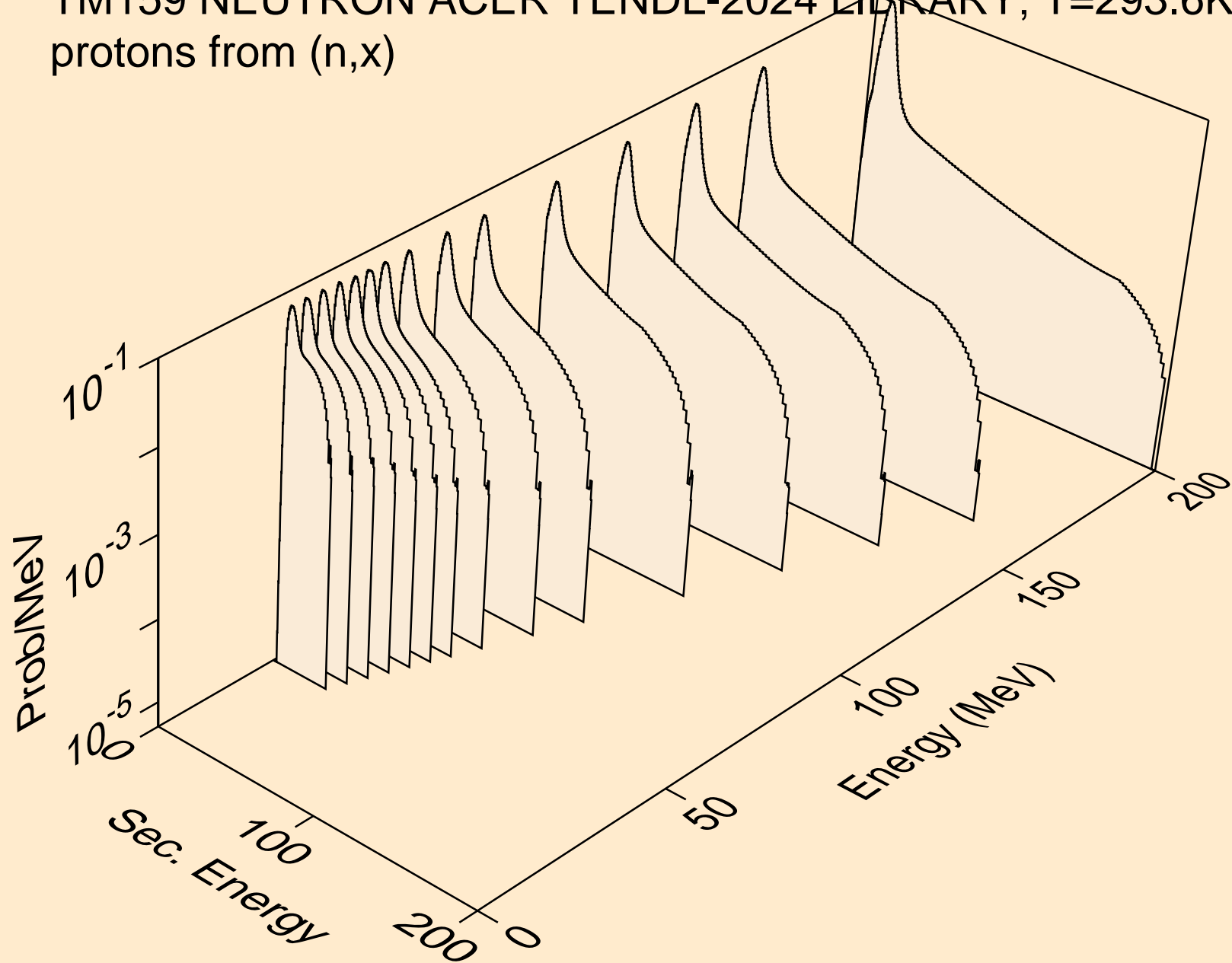
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Recoil Heating



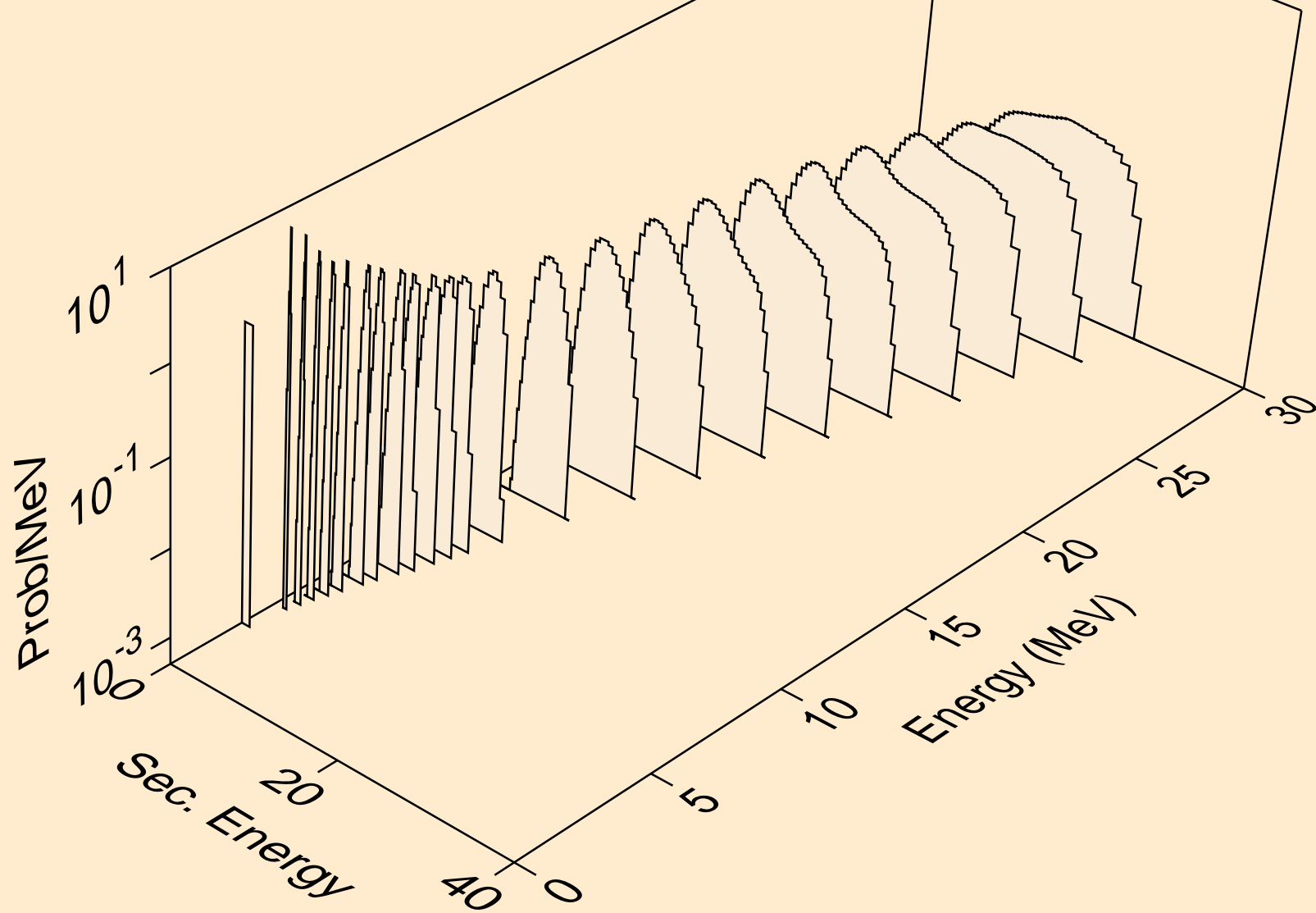
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Particle production cross sections



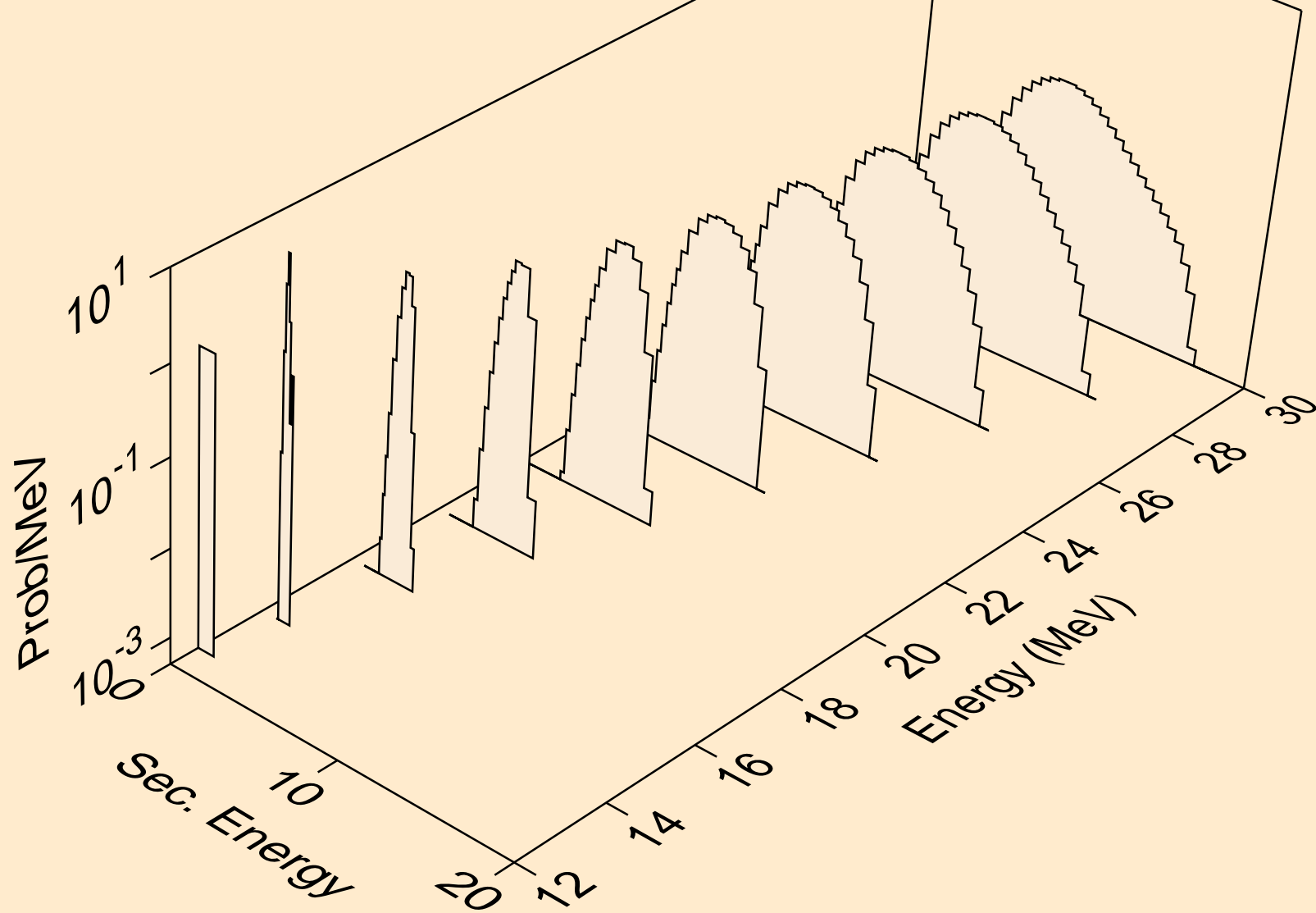
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
protons from (n,x)



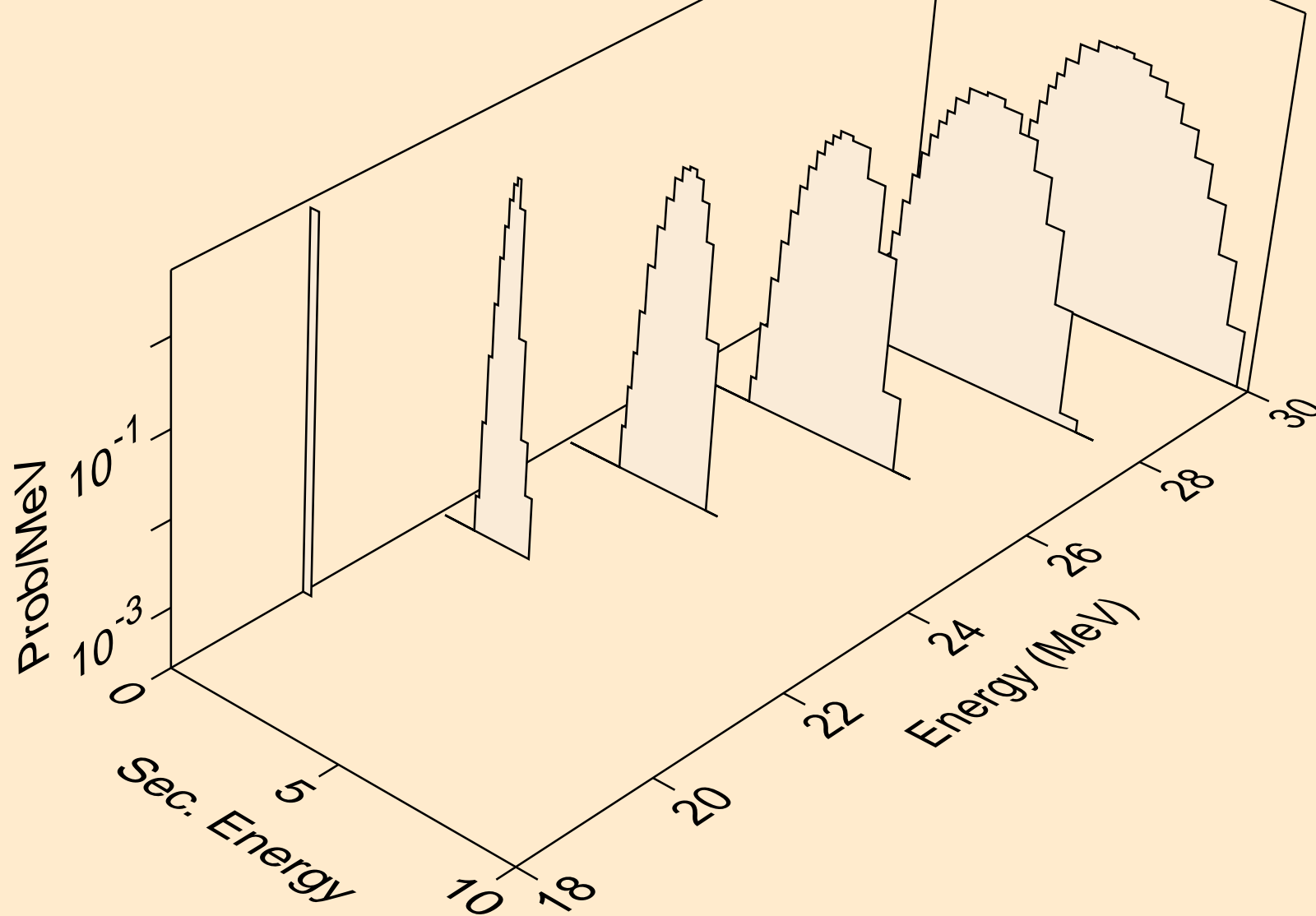
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
protons from (n,n\*)p



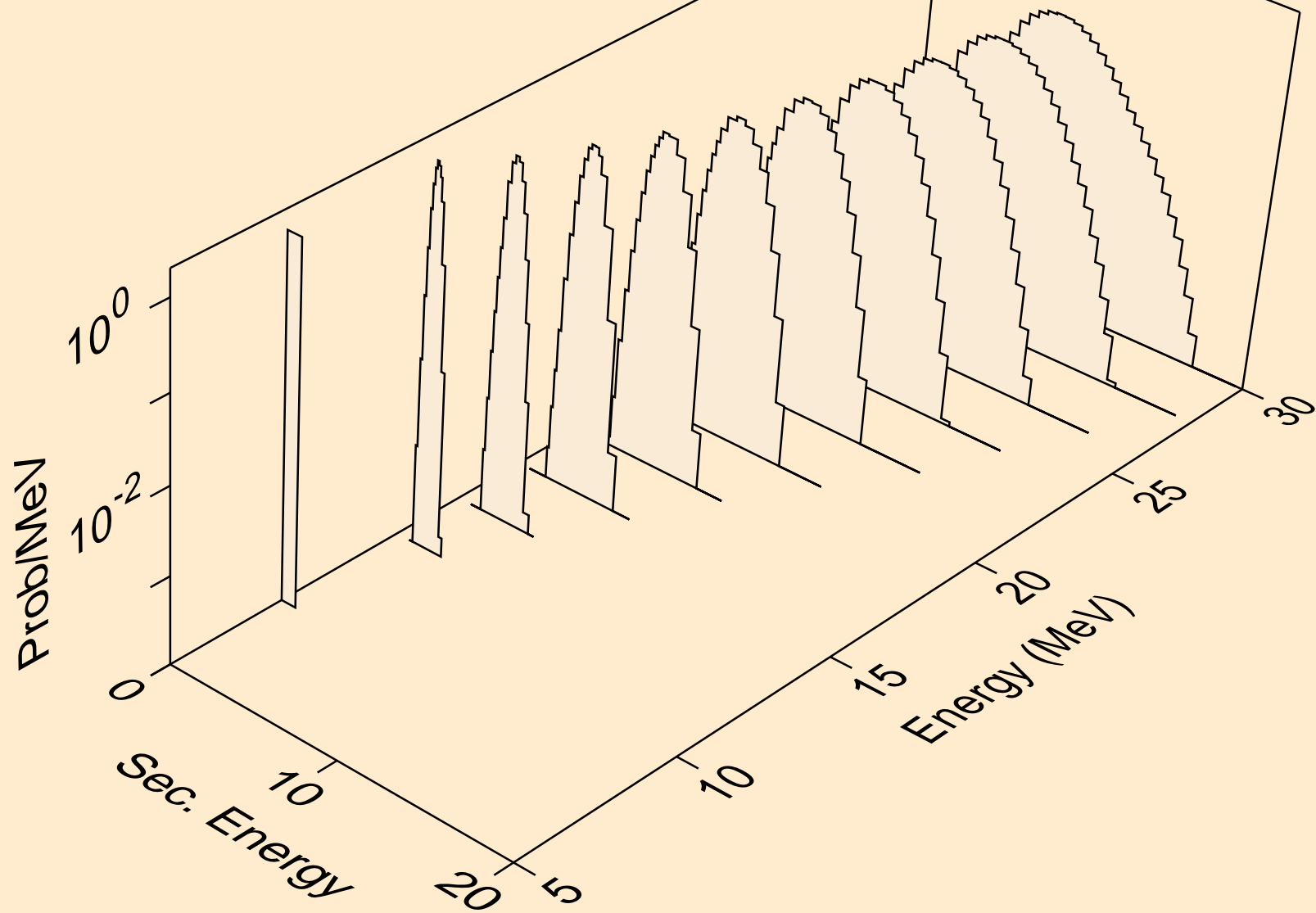
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
protons from (n,2np)



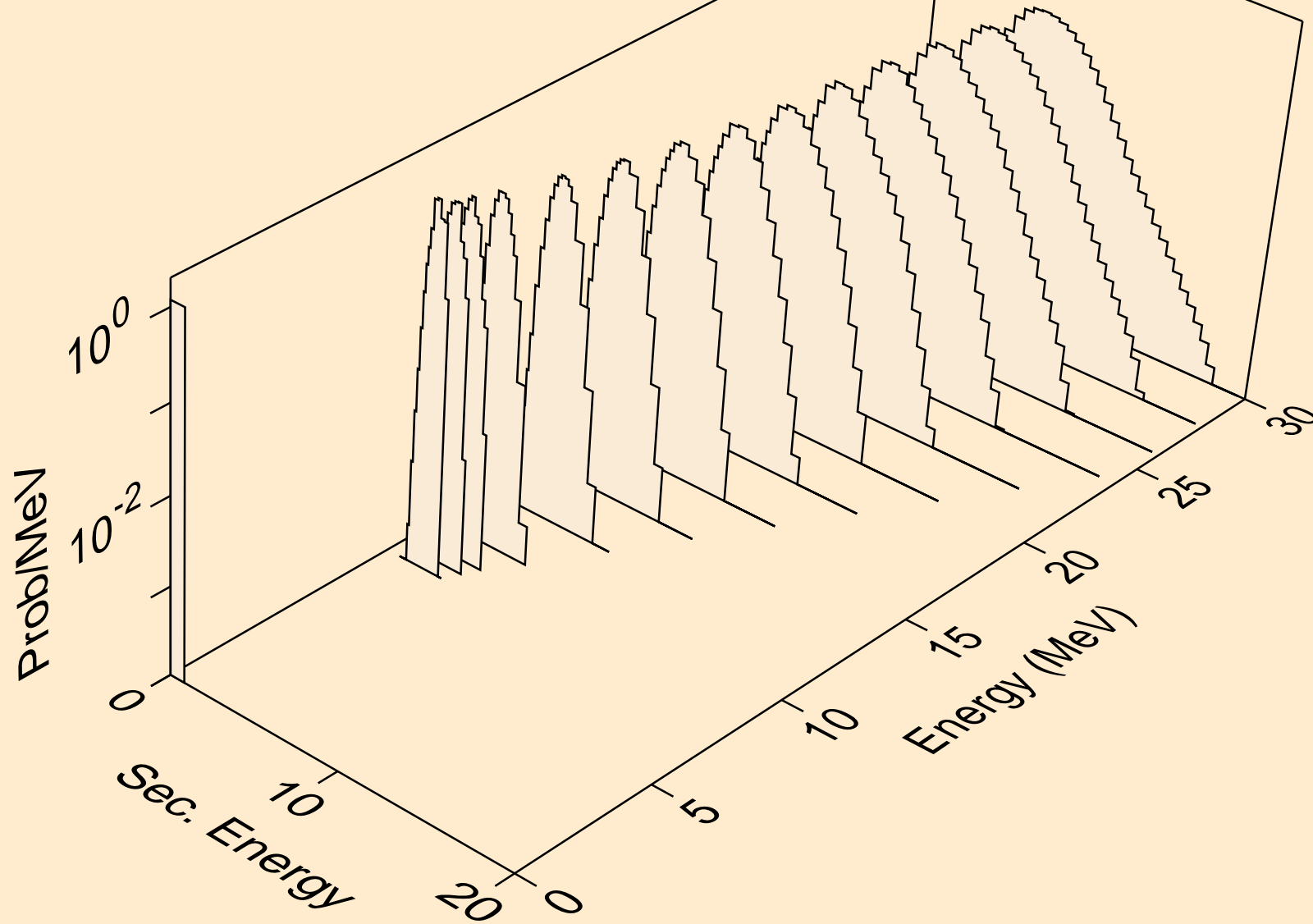
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
protons from (n,3np)



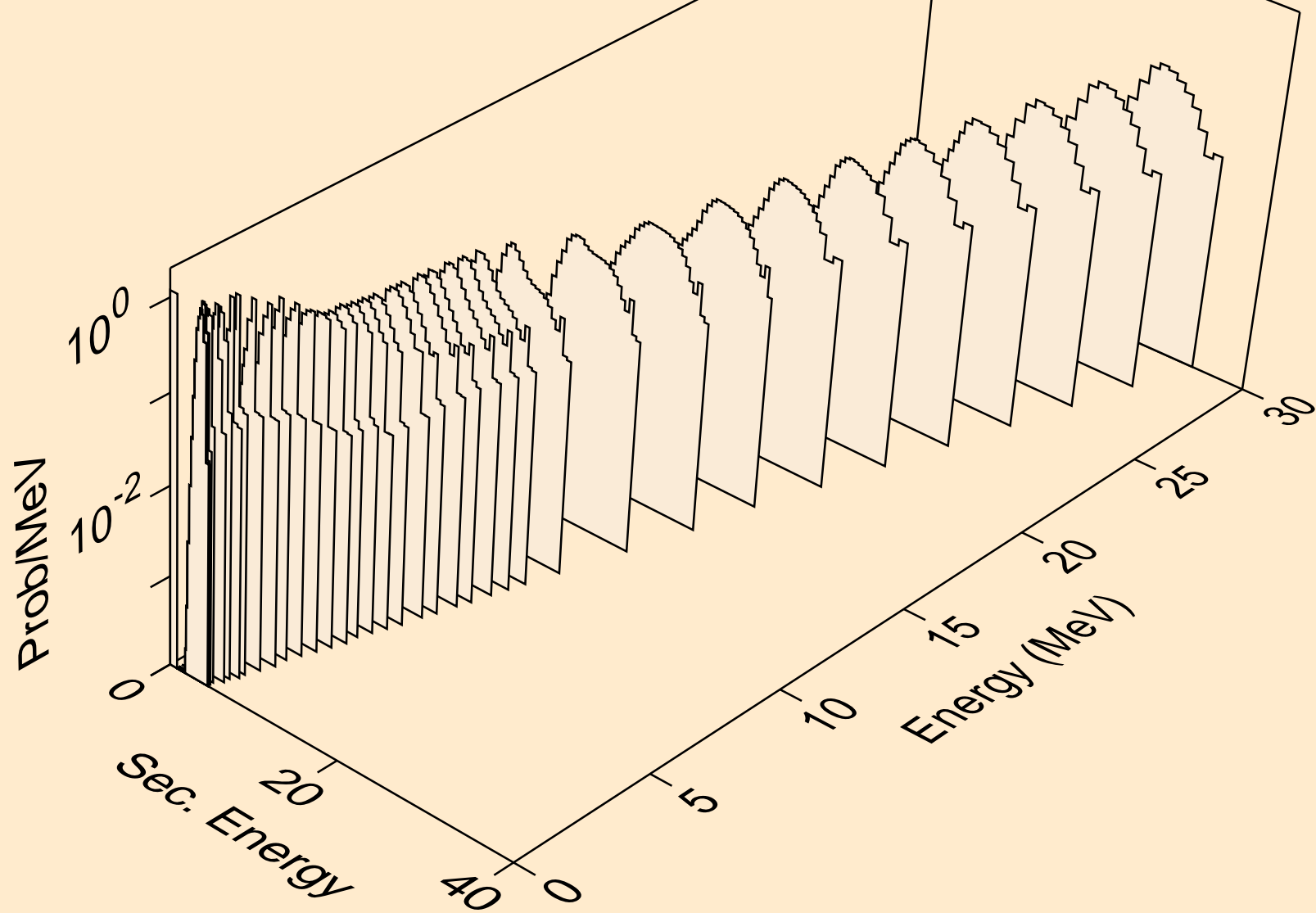
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
protons from (n,n2p)



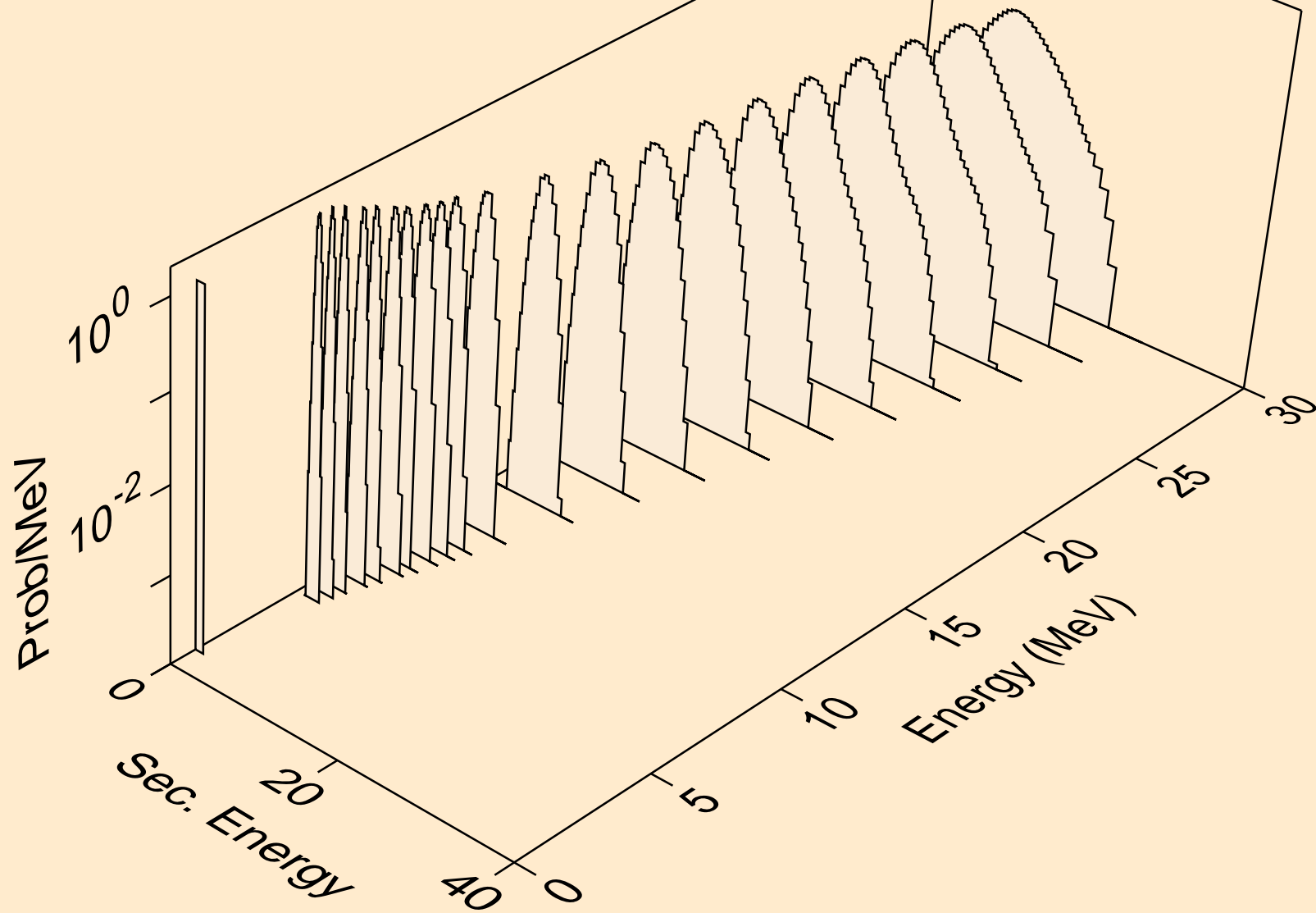
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
protons from (n,npa)



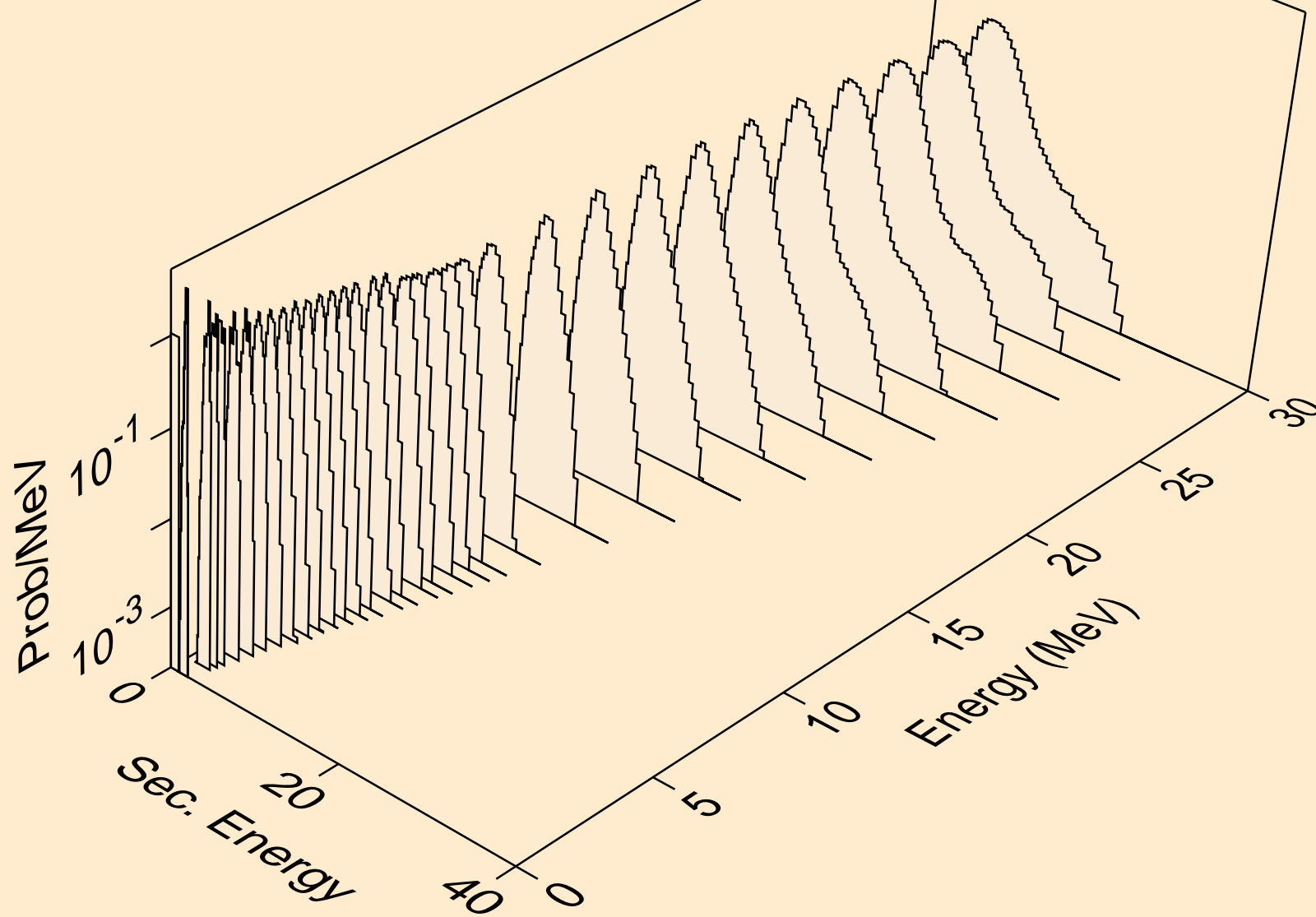
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
protons from (n,p)



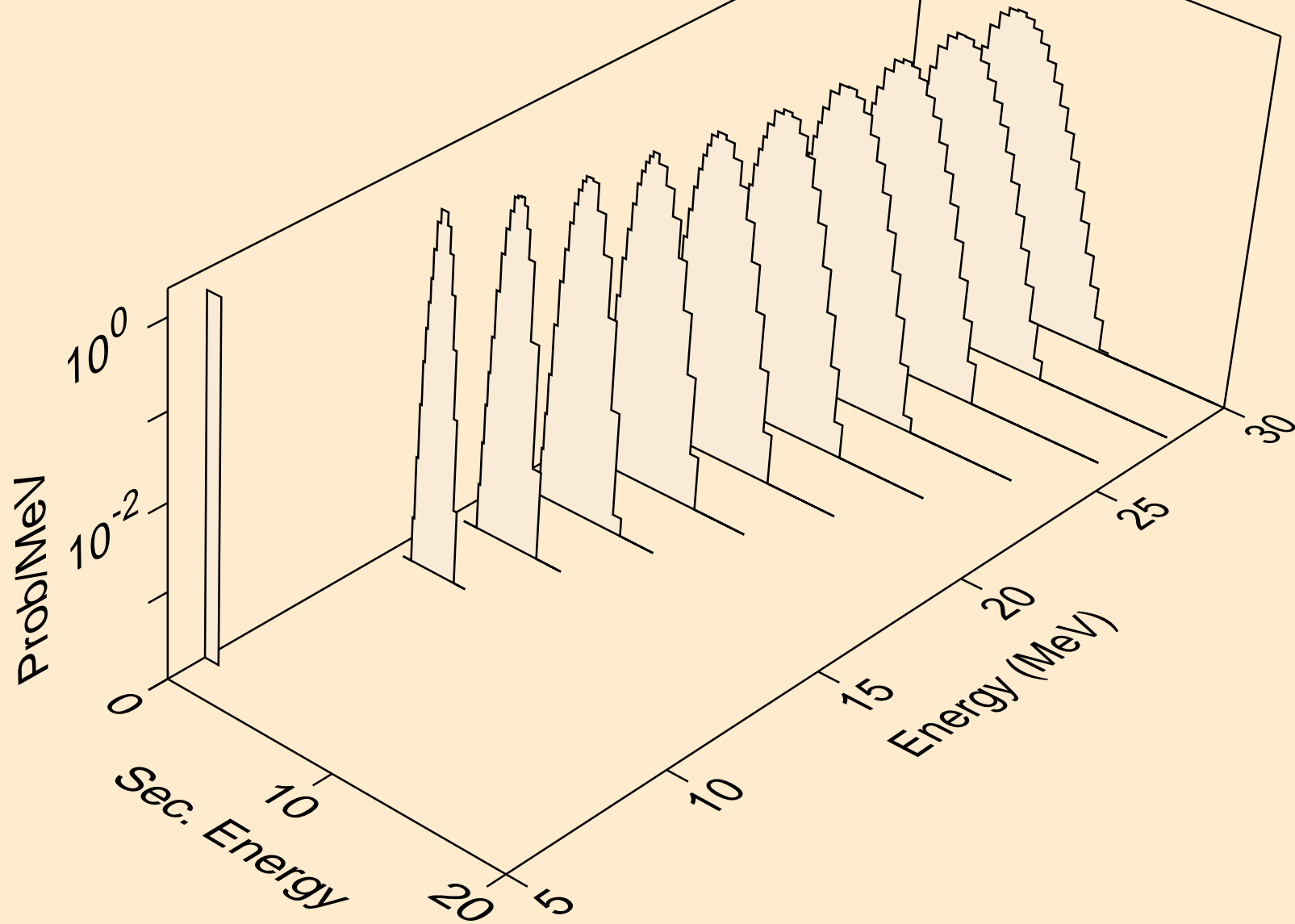
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
protons from (n,2p)



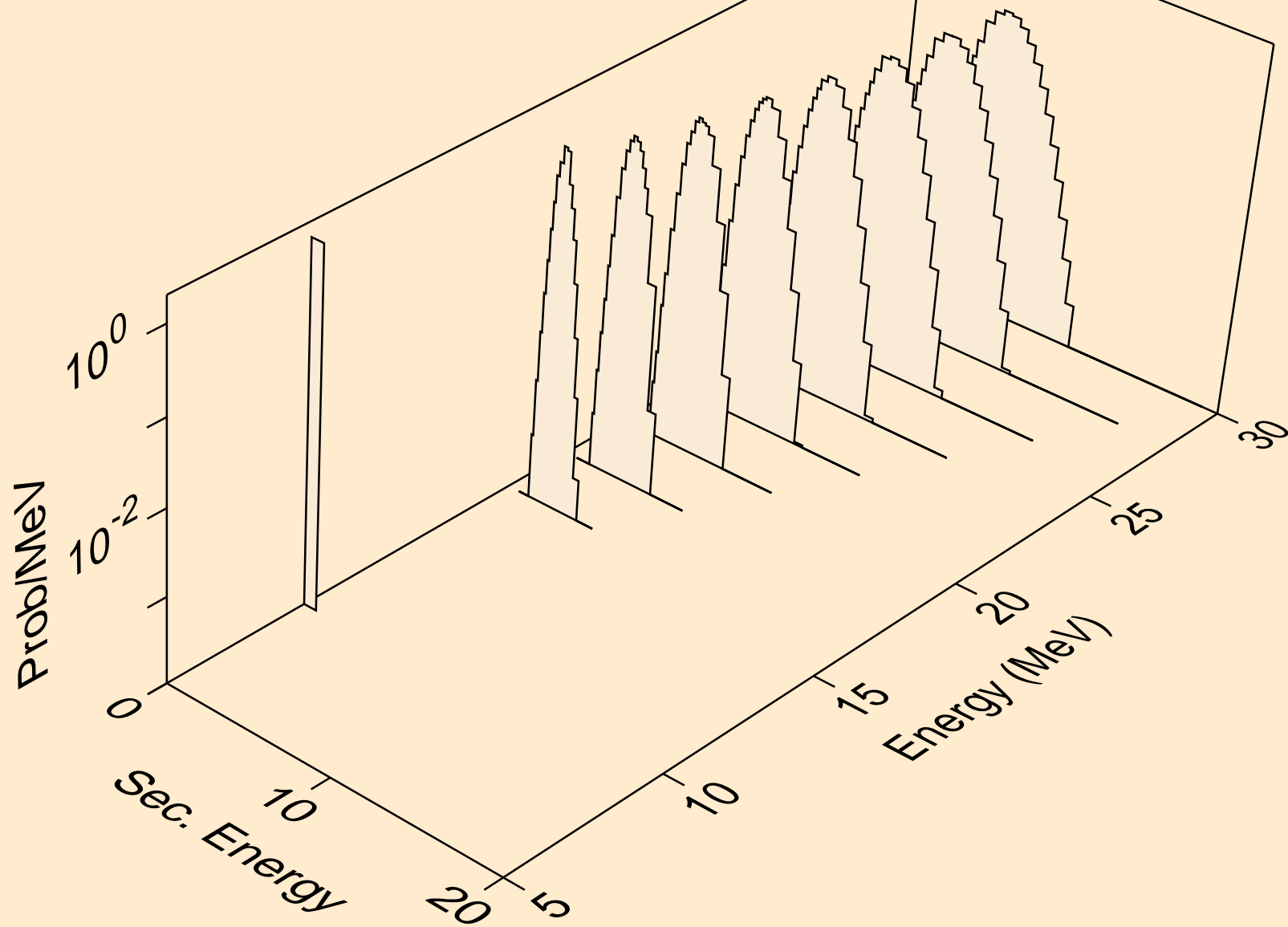
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
protons from (n,p)



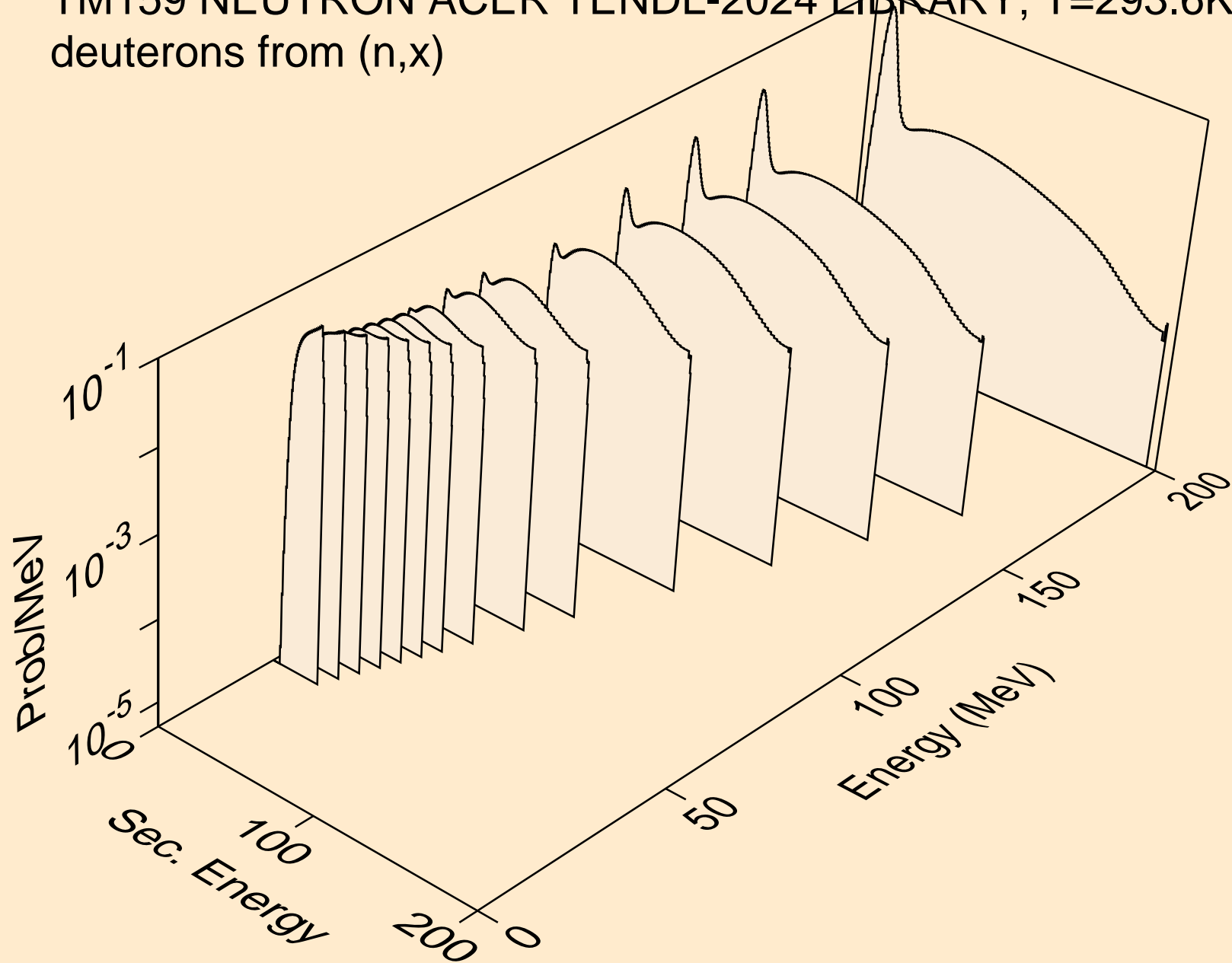
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
protons from (n,pd)



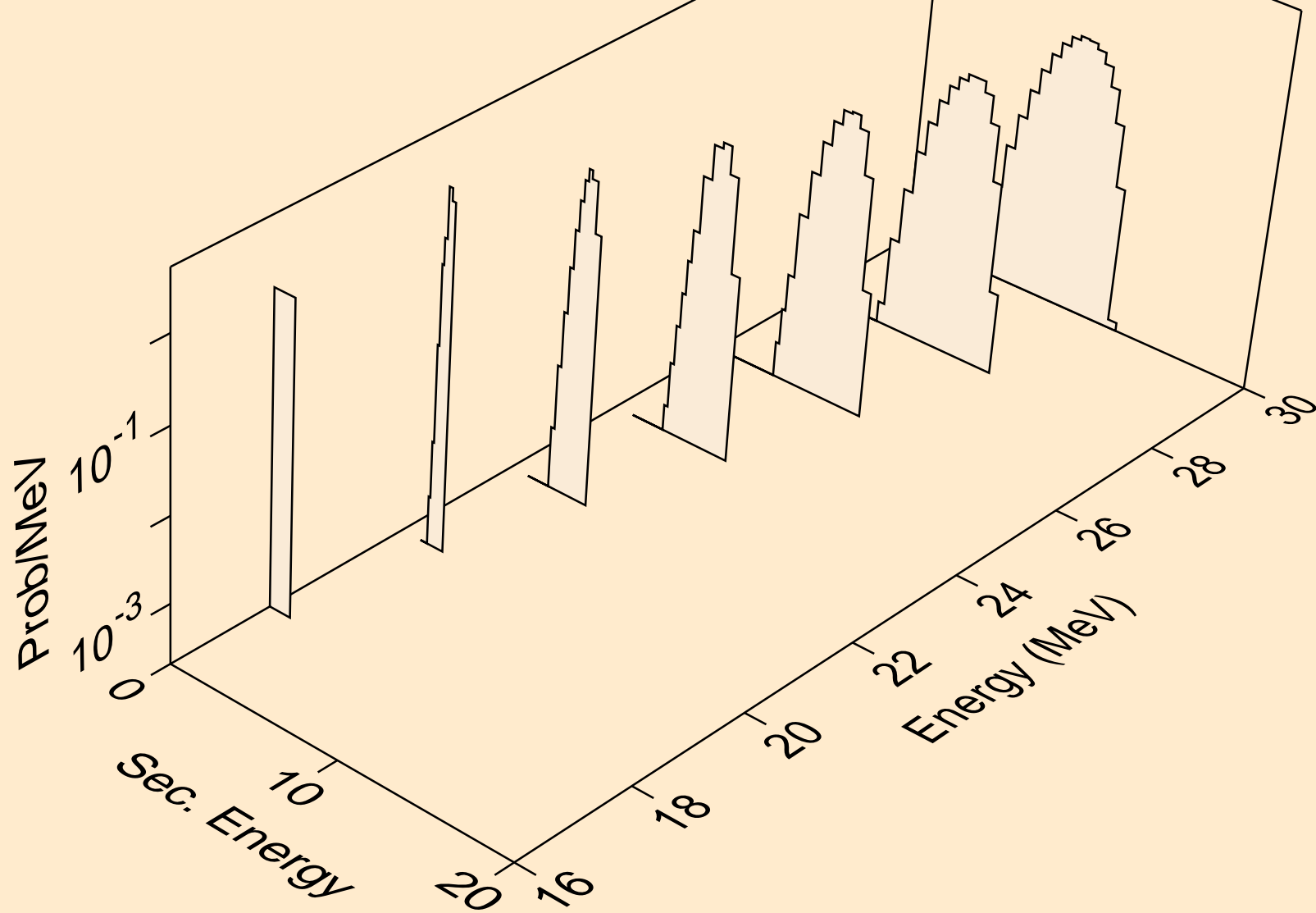
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
protons from (n,pt)



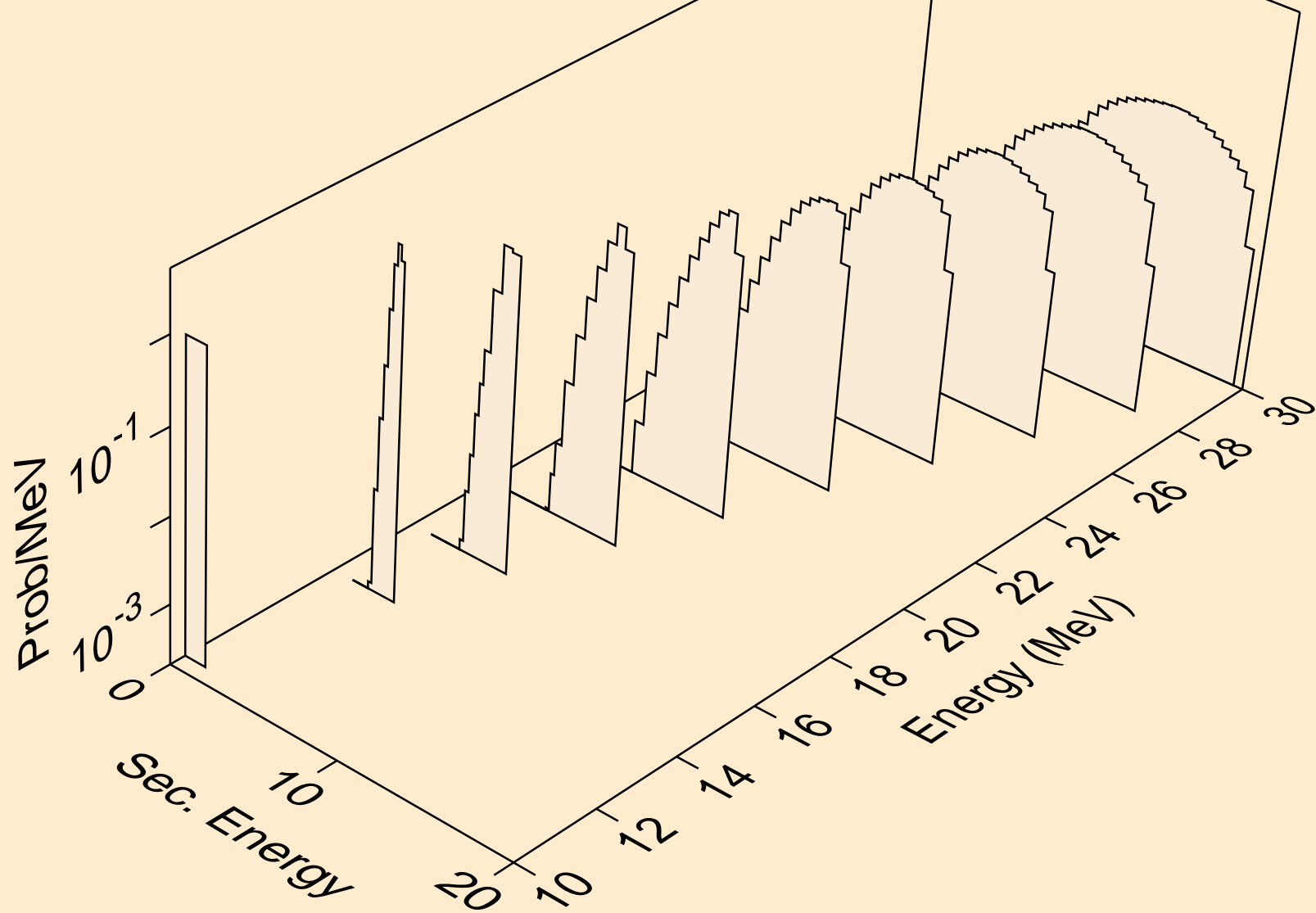
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
deuterons from (n,x)



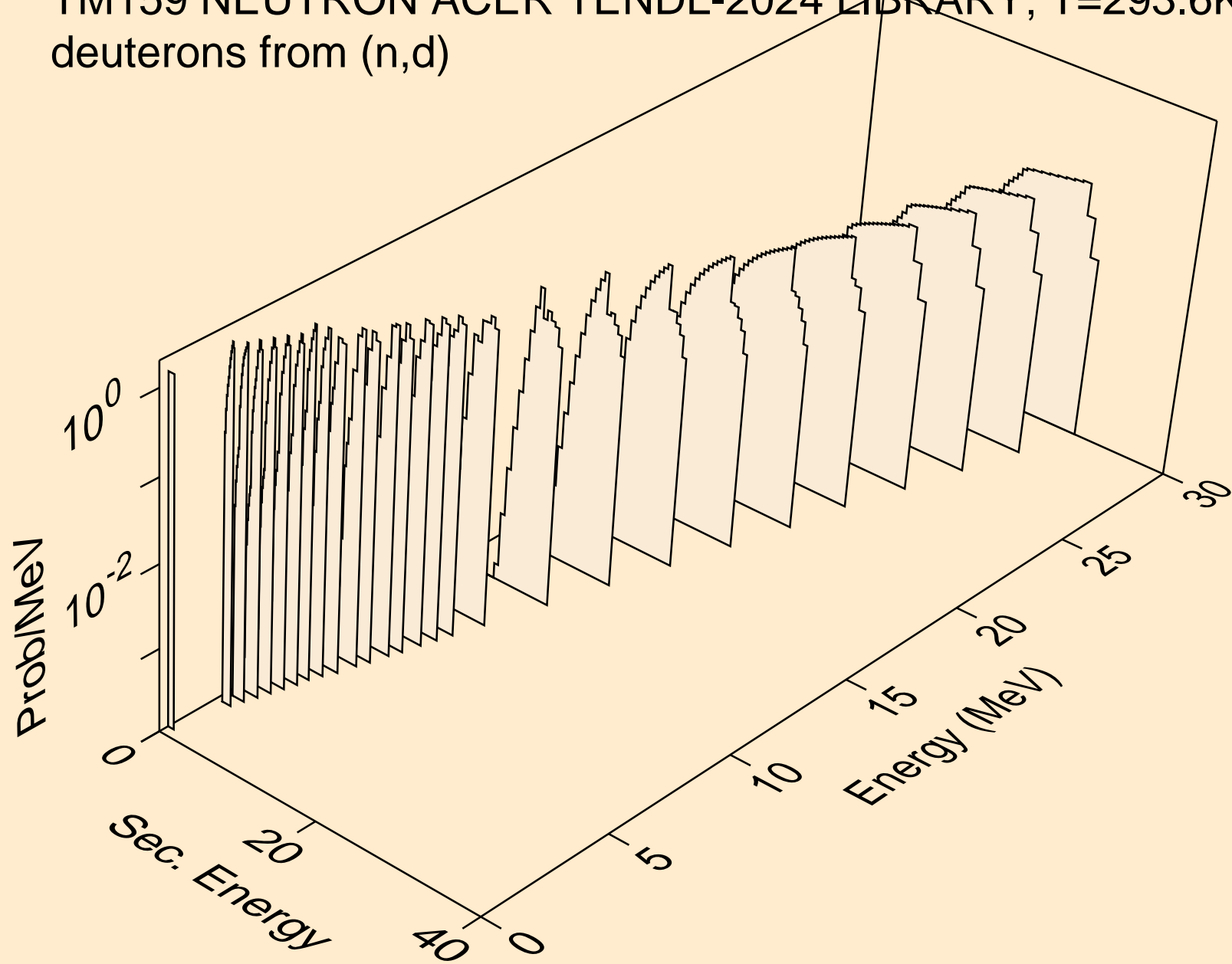
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
deuterons from (n,2nd)



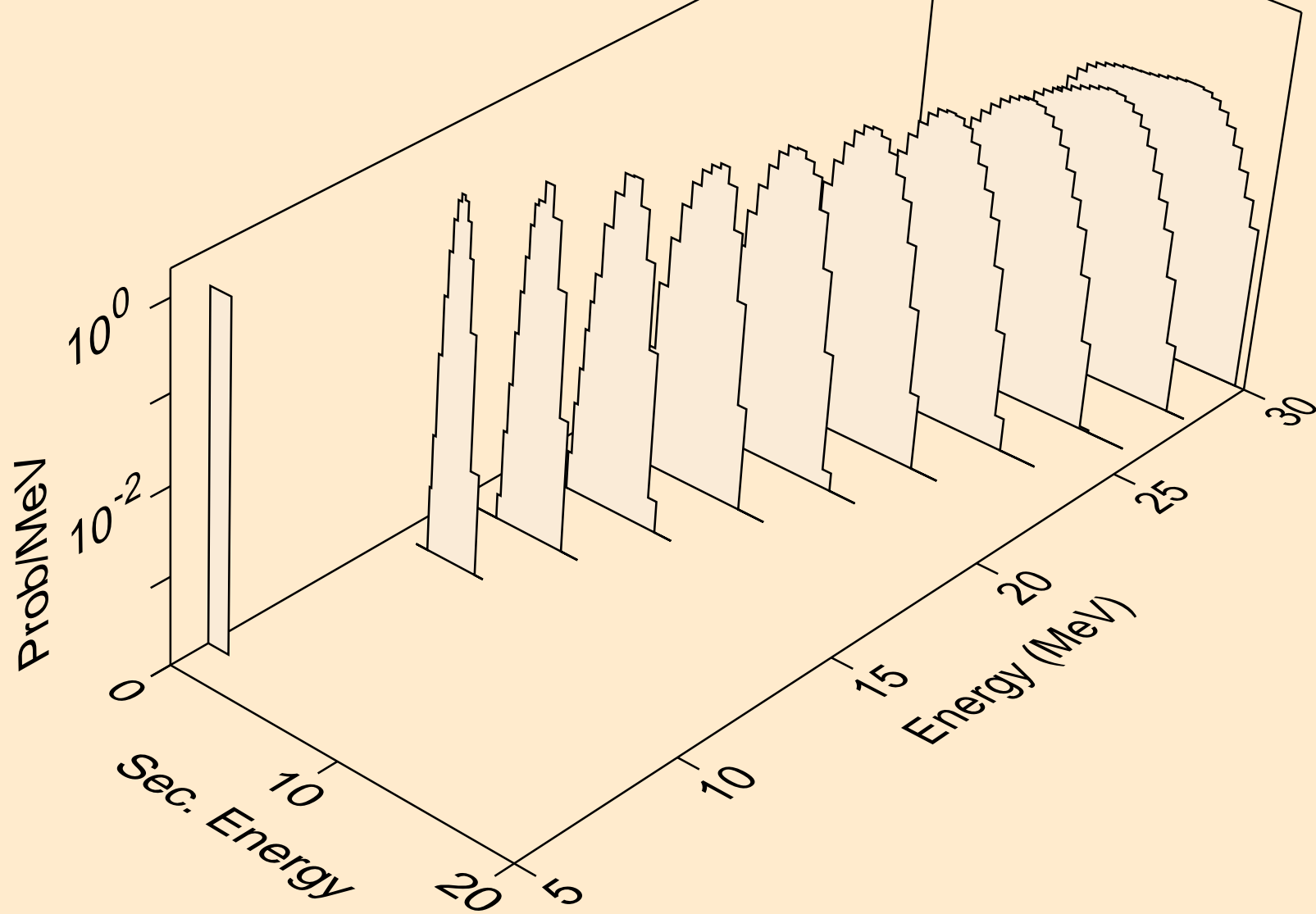
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
deuterons from (n,n\*)d



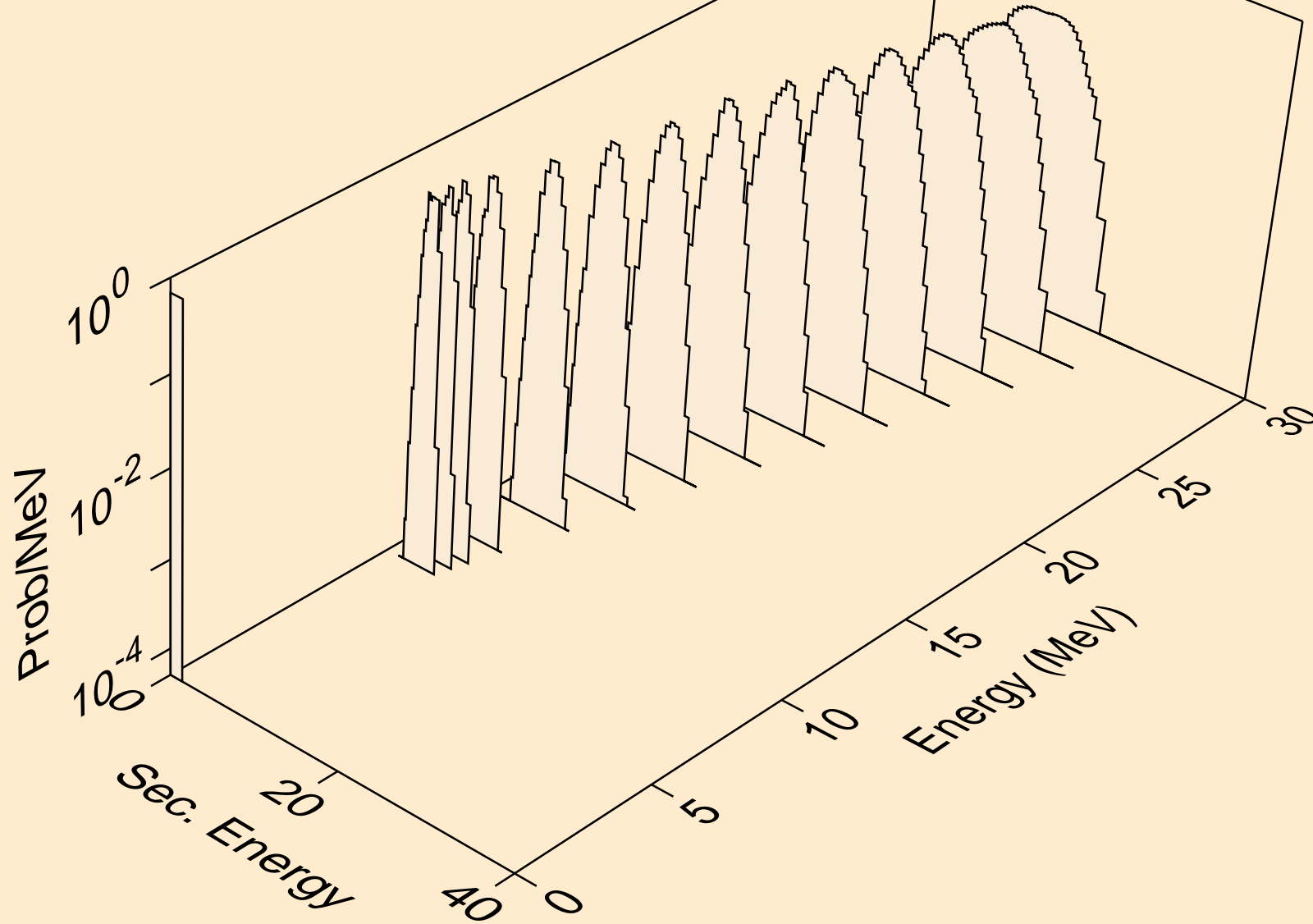
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
deuterons from (n,d)



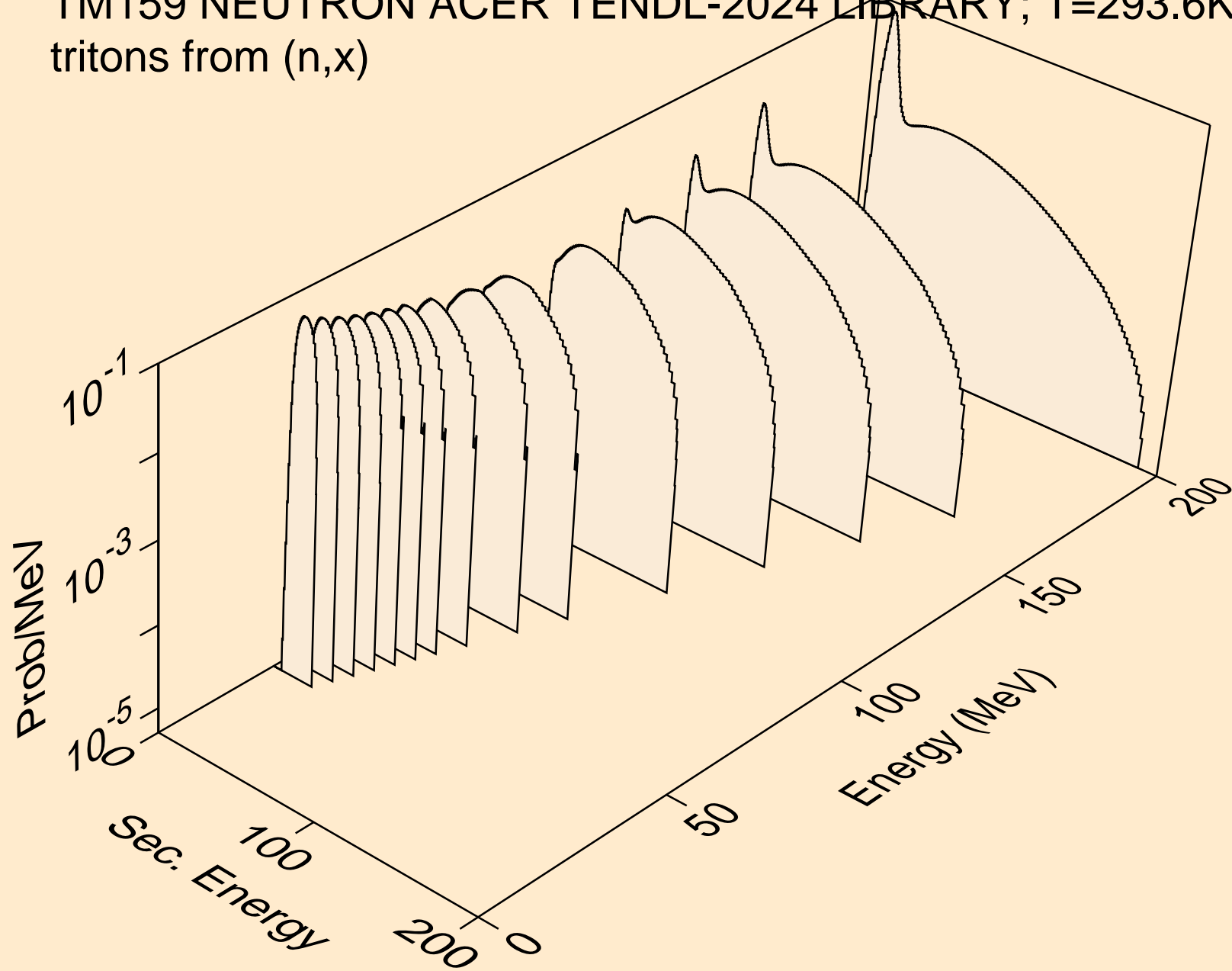
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
deuterons from (n,pd)



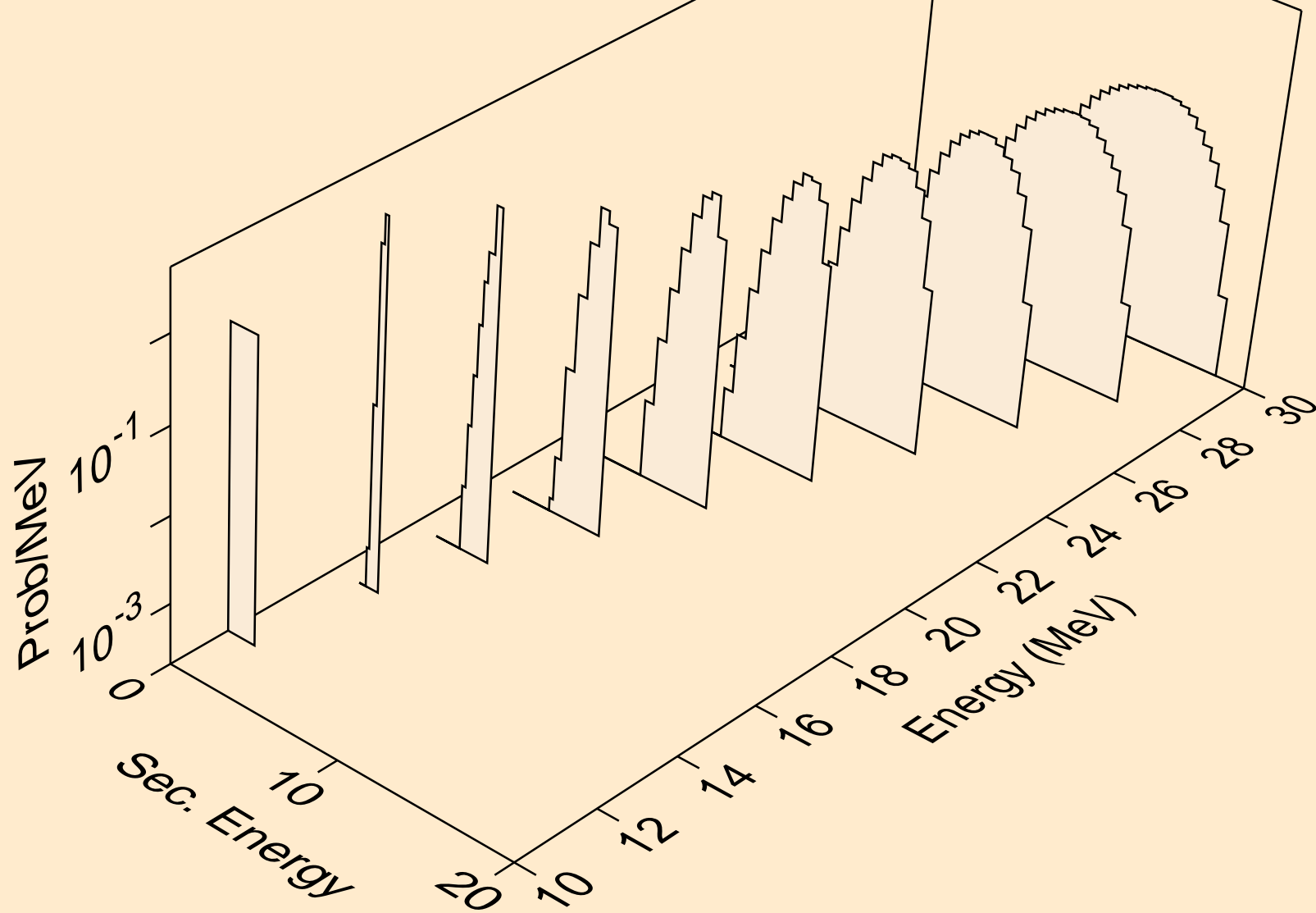
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
deuterons from (n,da)



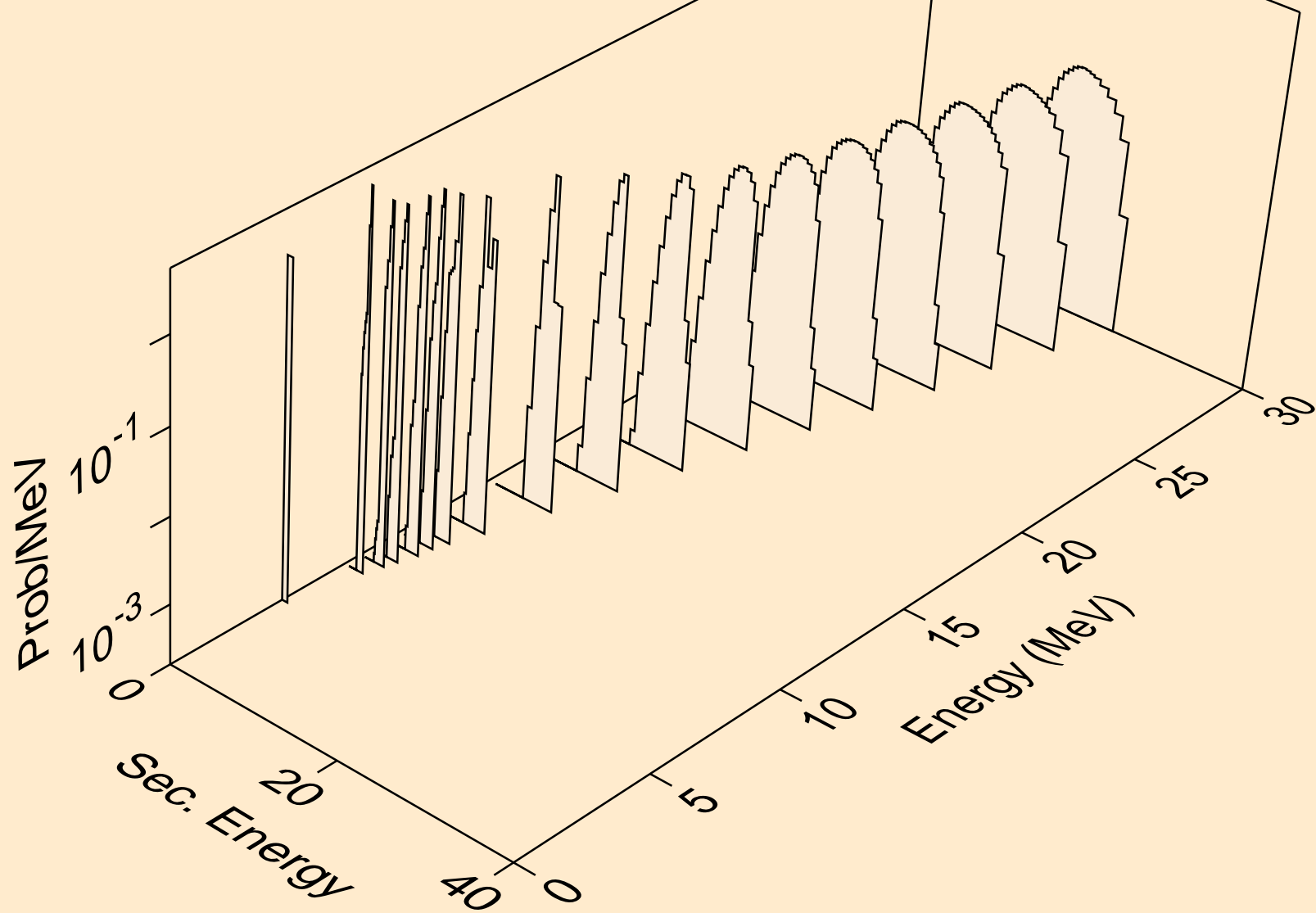
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
tritons from (n,x)



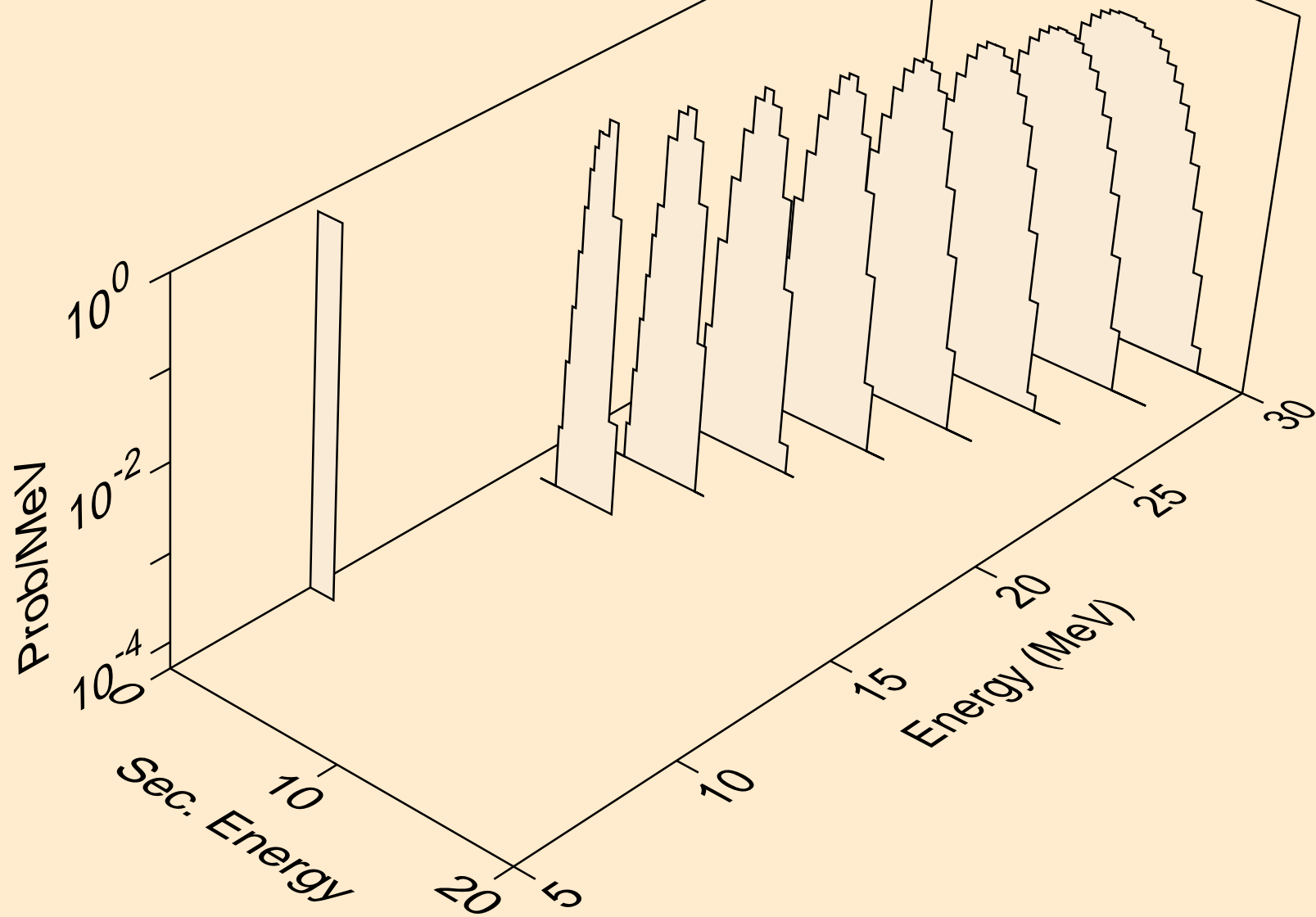
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
tritons from (n,n\*)t



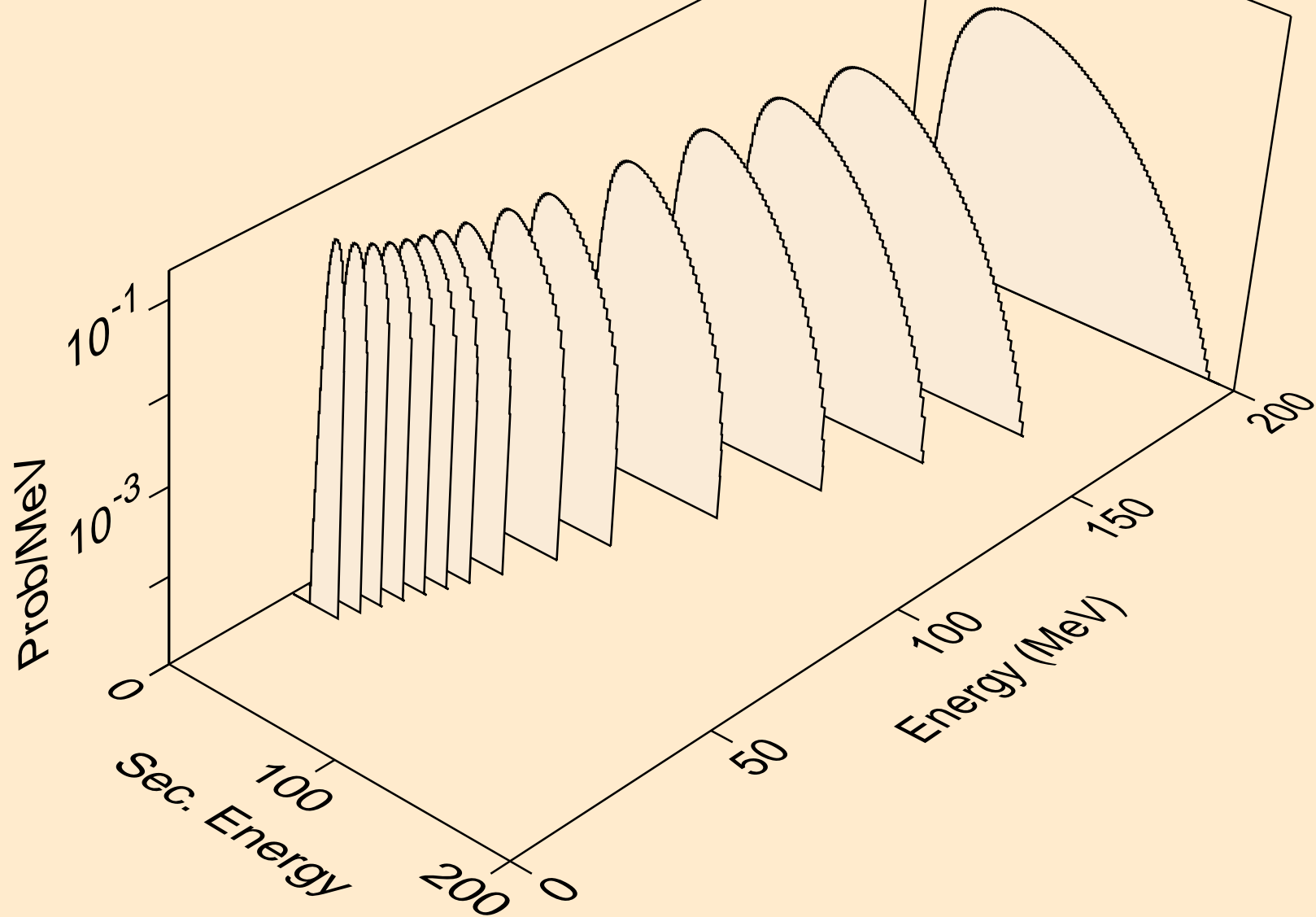
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
tritons from (n,t)



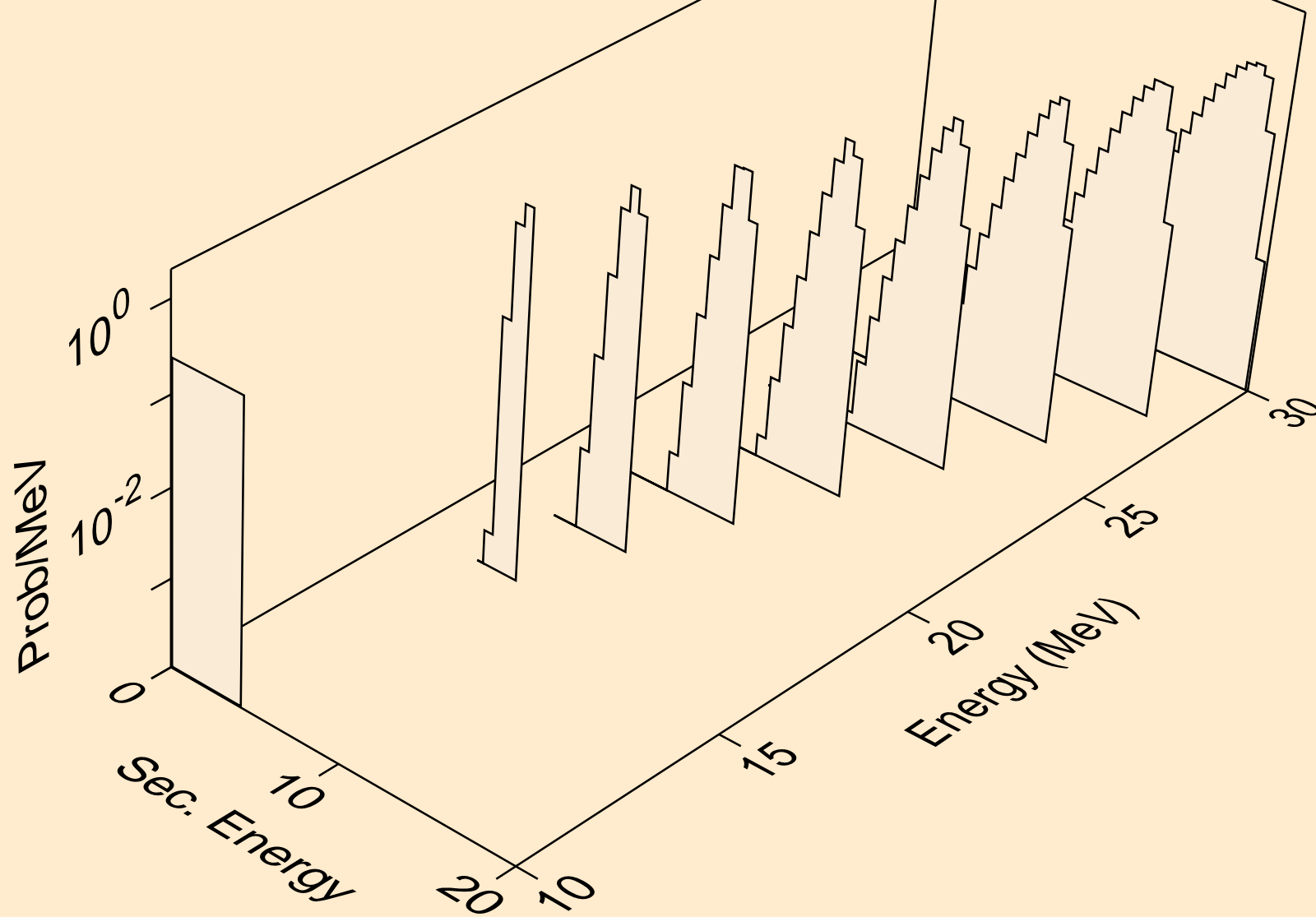
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
tritons from (n,pt)



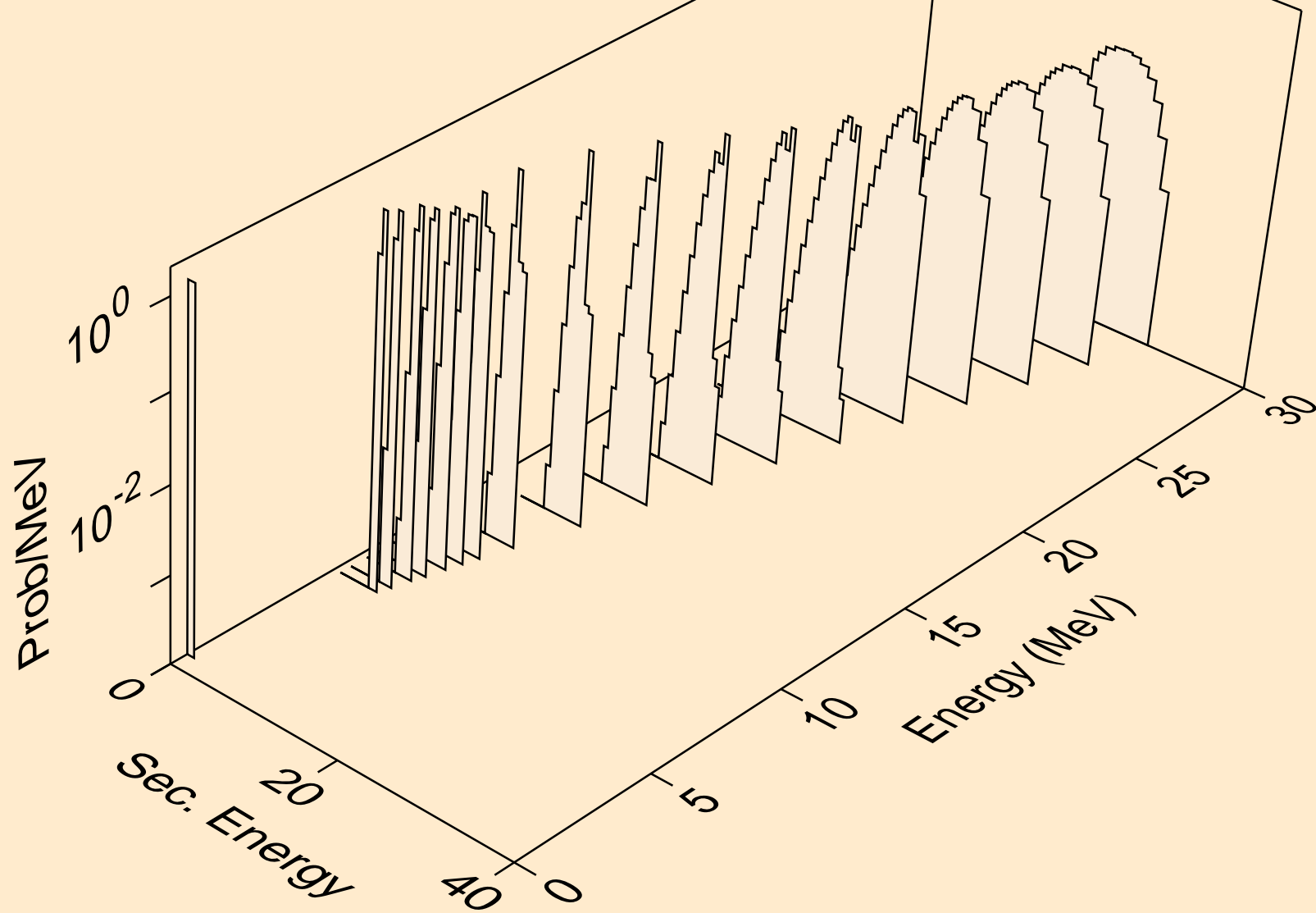
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
he3s from (n,x)



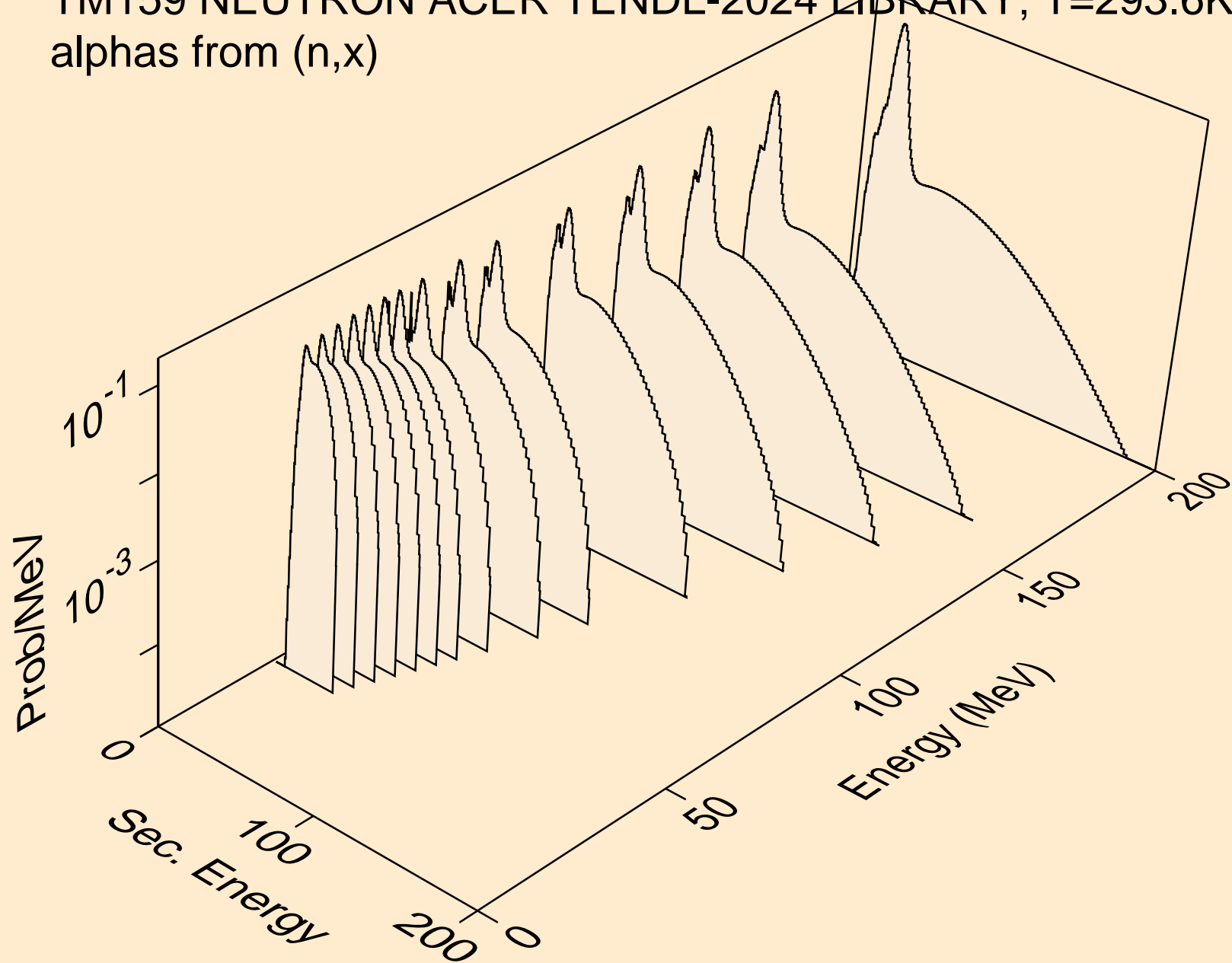
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
he3s from (n,n\*)he3



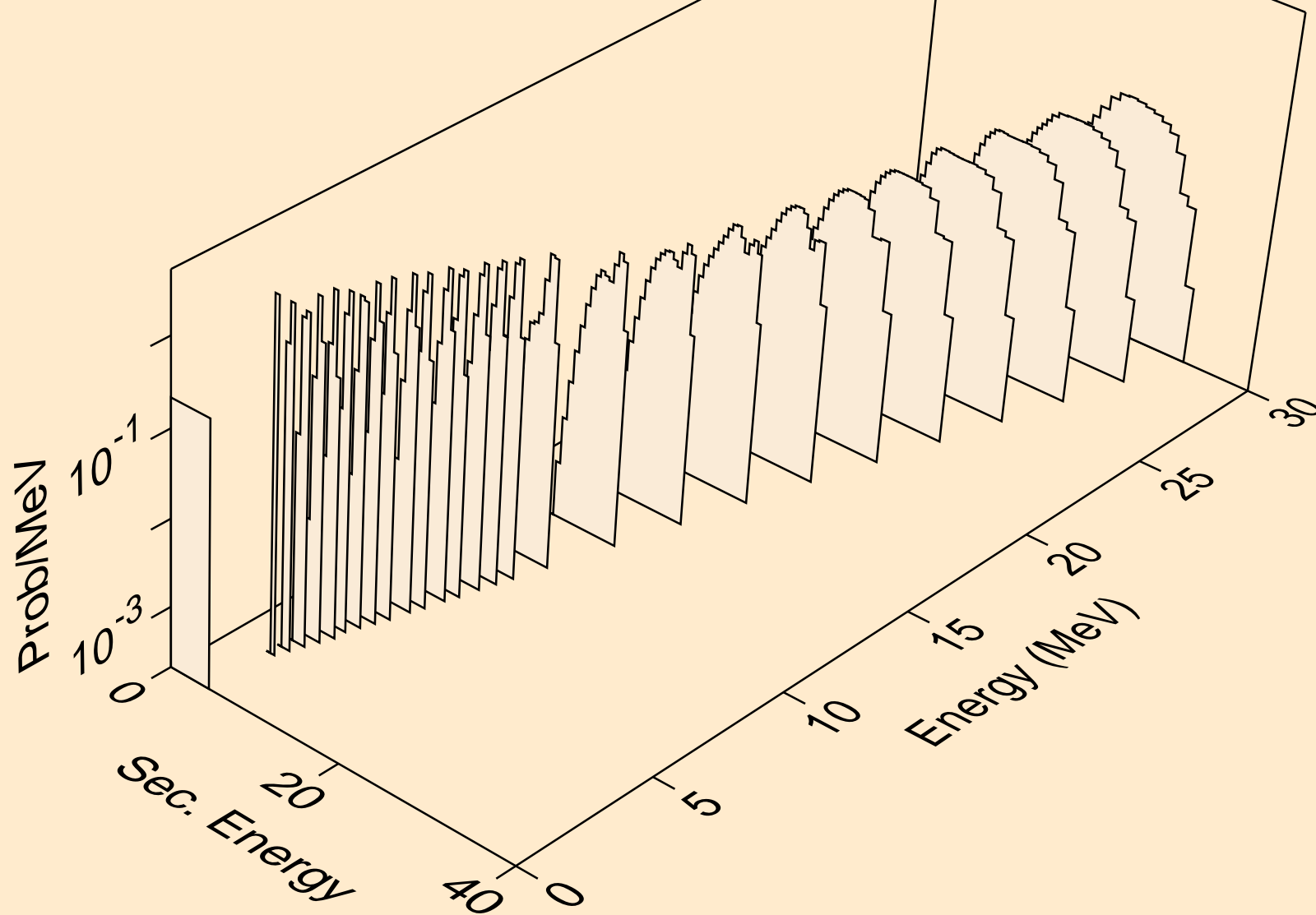
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
he3s from (n,he3)



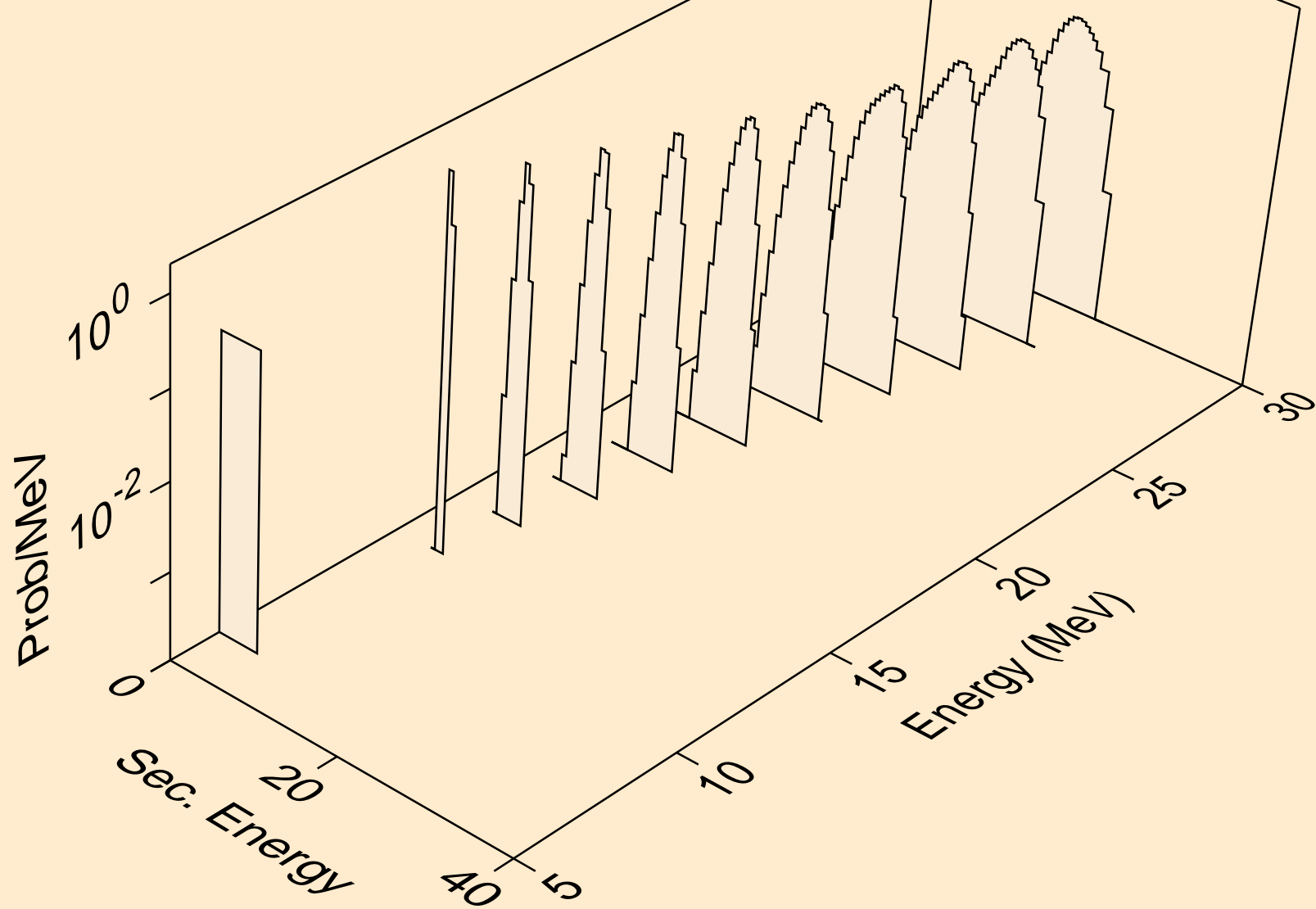
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,x)



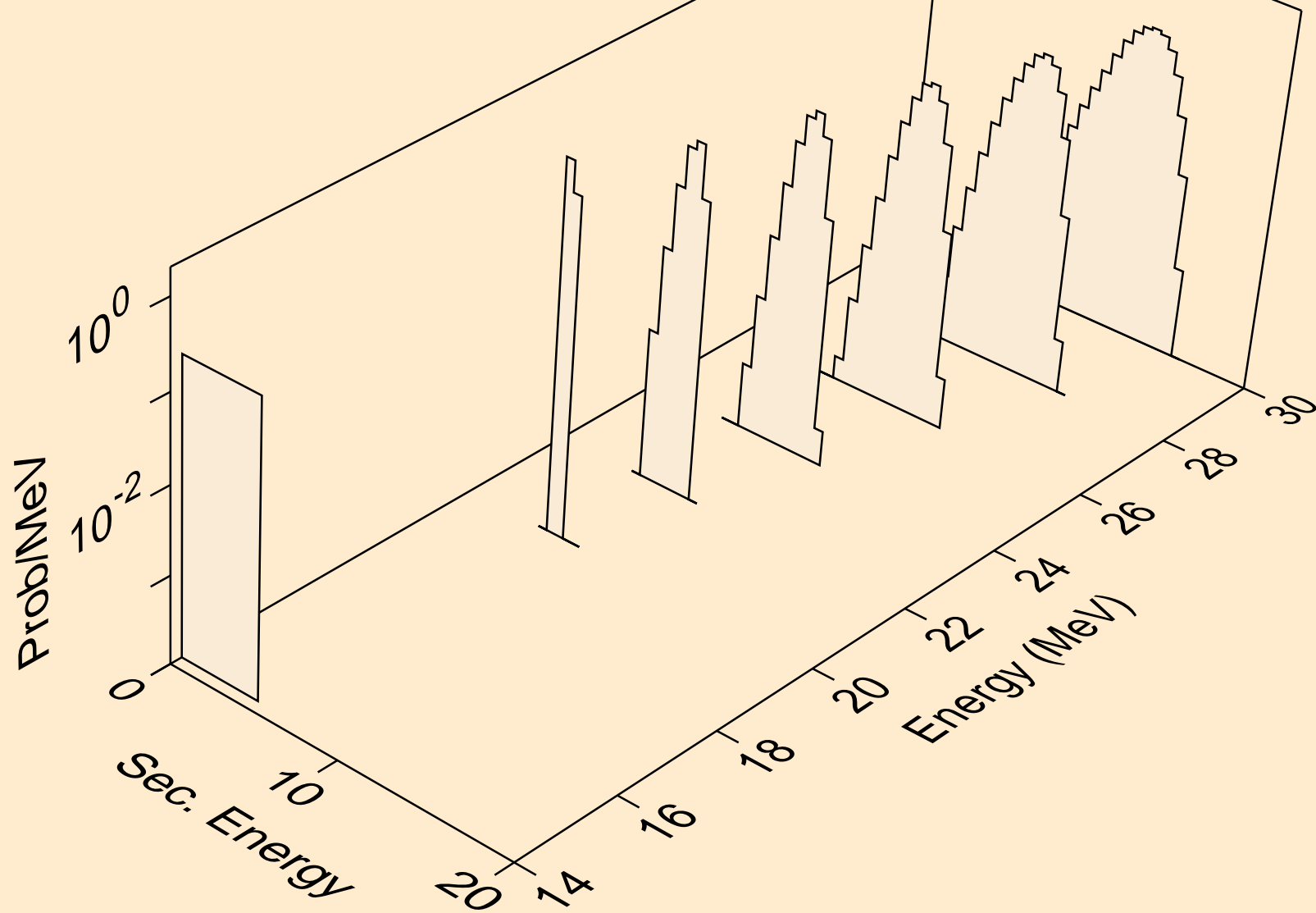
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,n\*)a



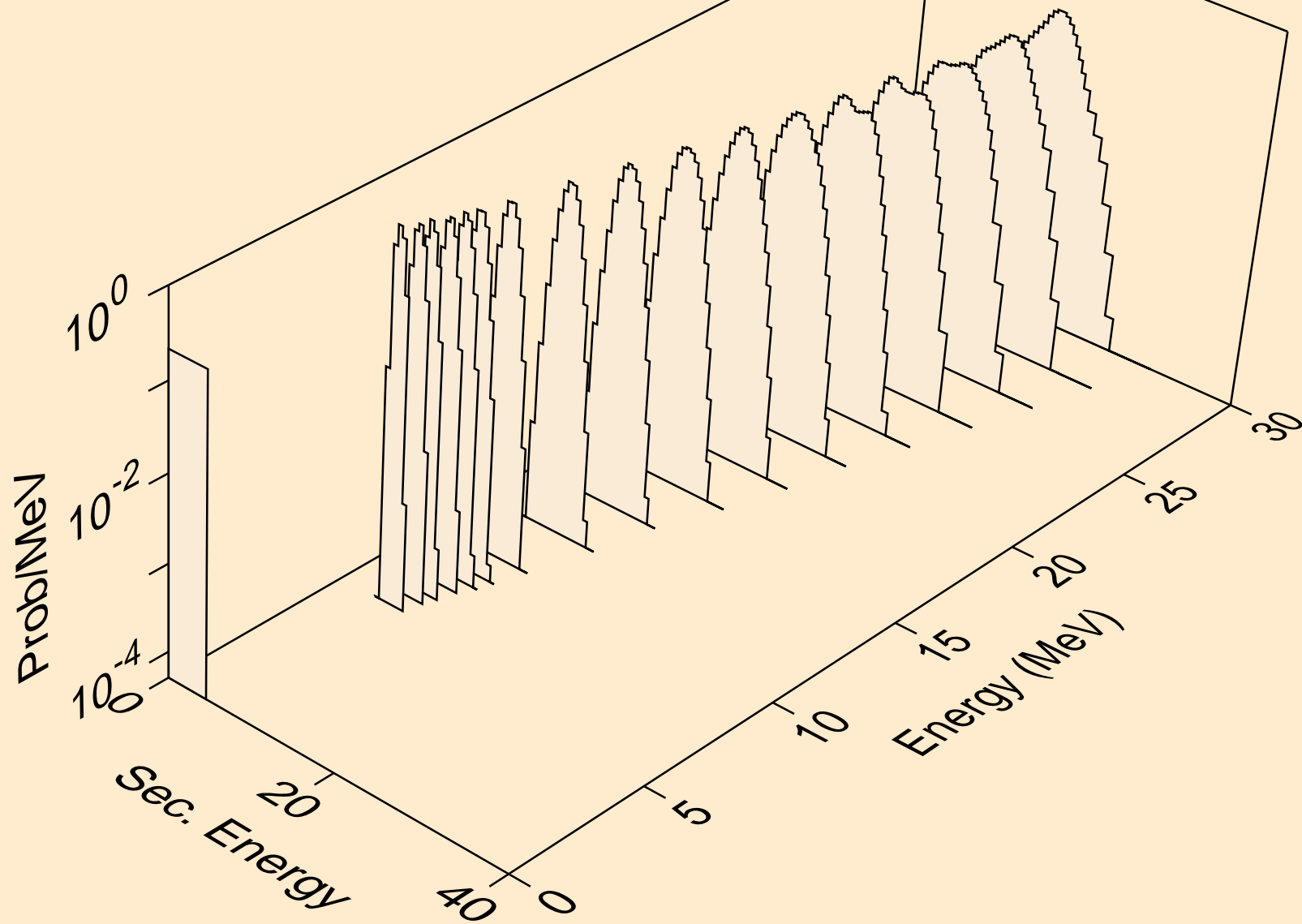
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,2n)a



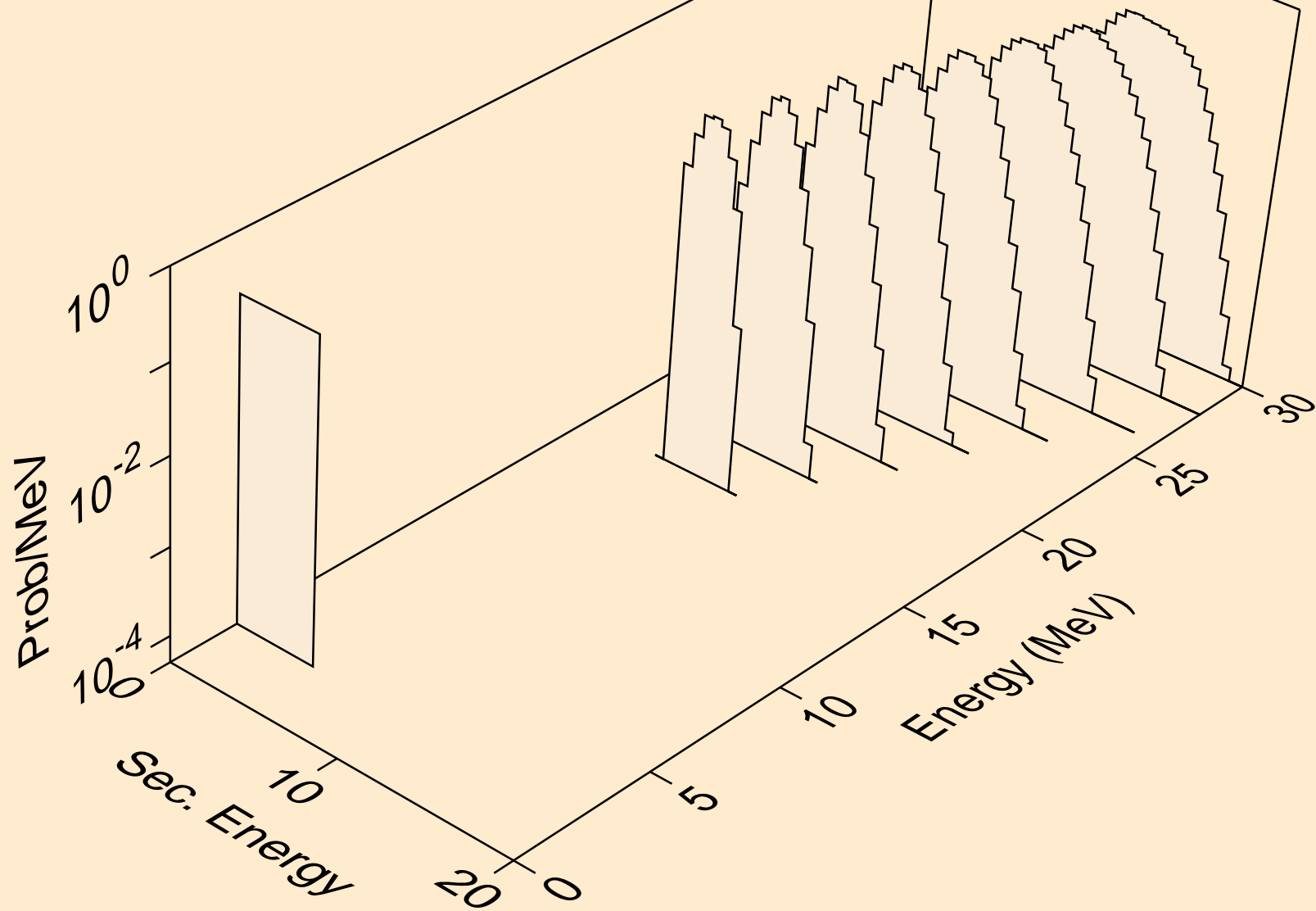
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,3n)a



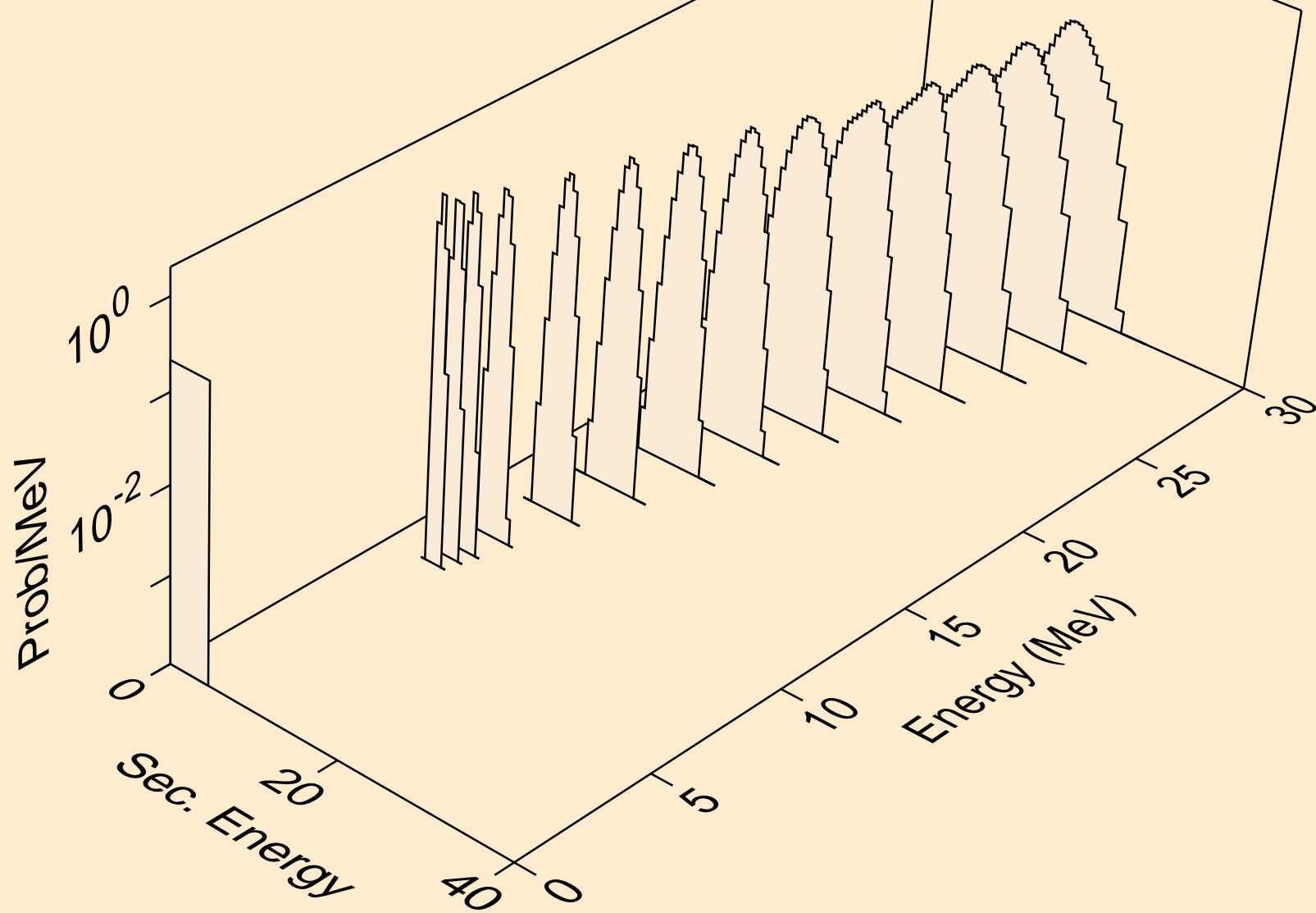
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,n\*)2a



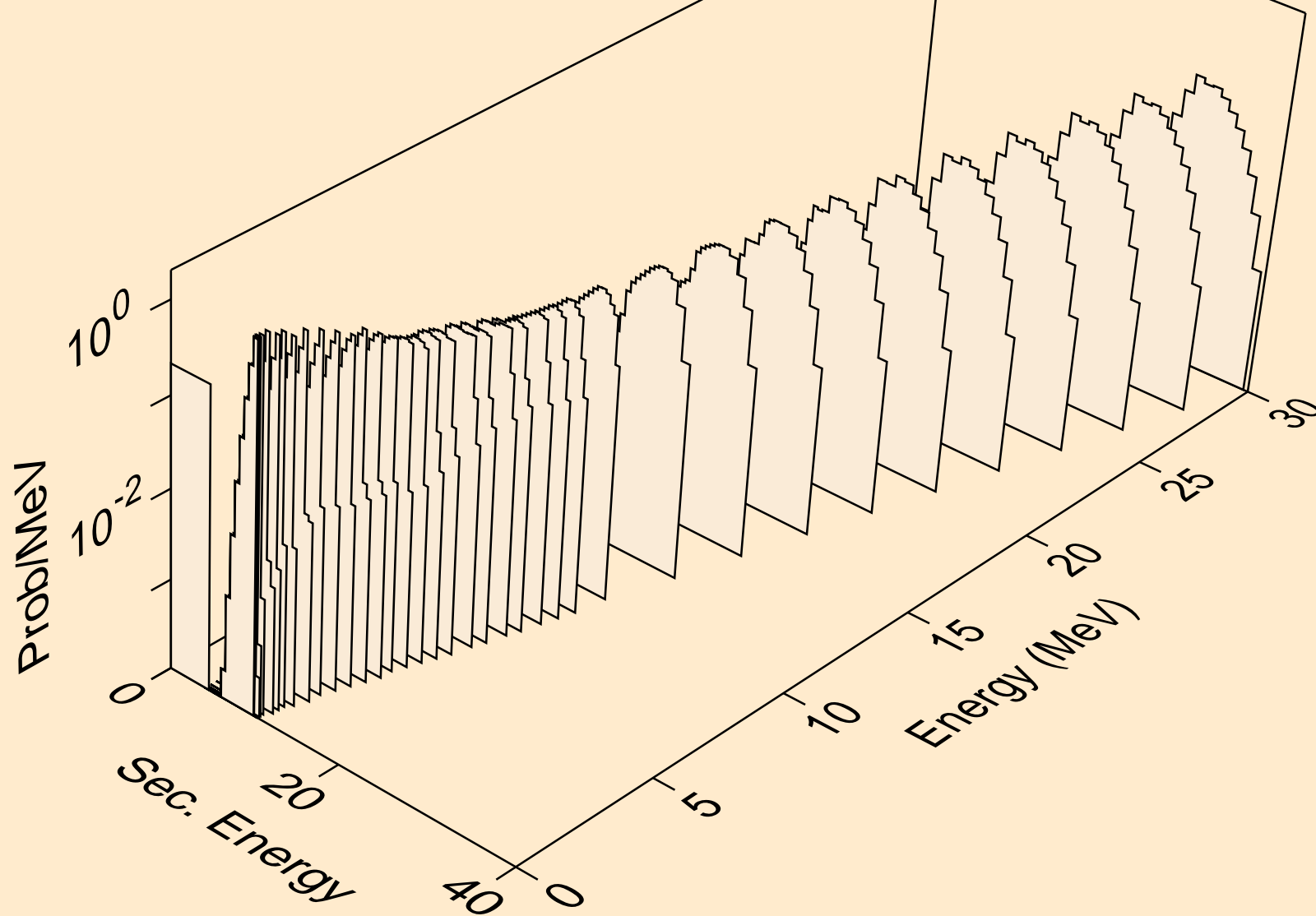
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,2n)2a



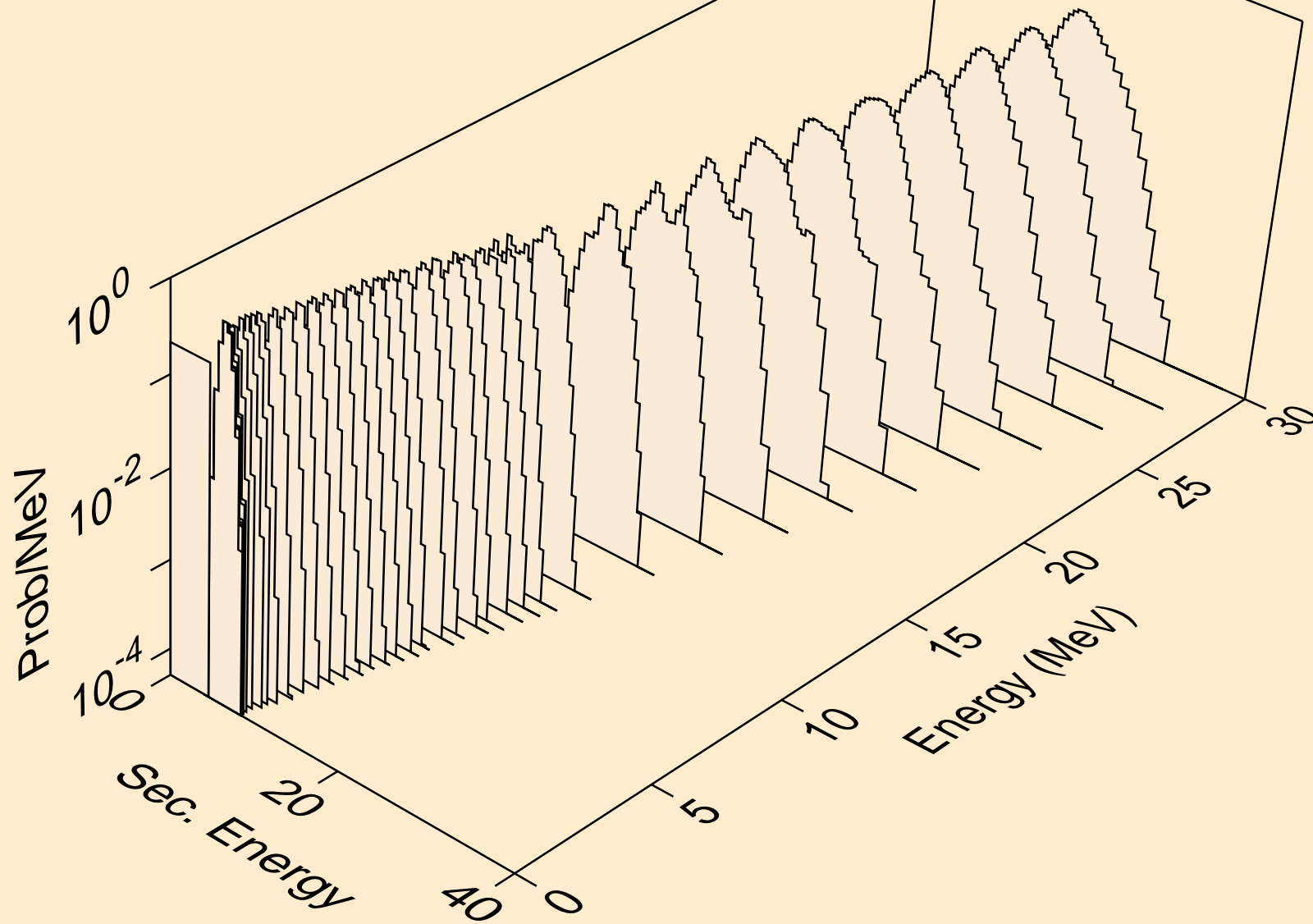
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,npa)



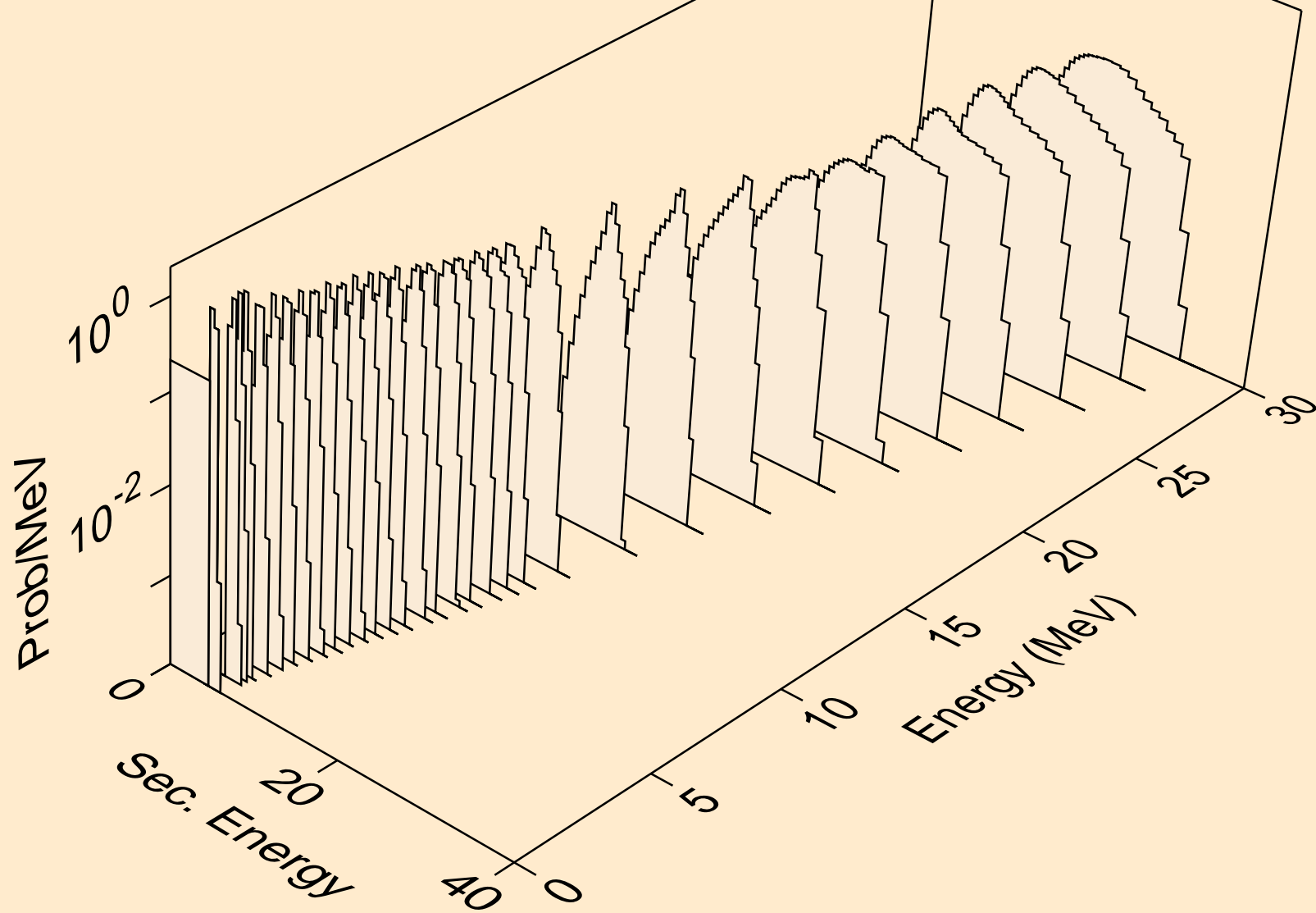
TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,a)



TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,2a)



TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,pa)



TM159 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,da)

