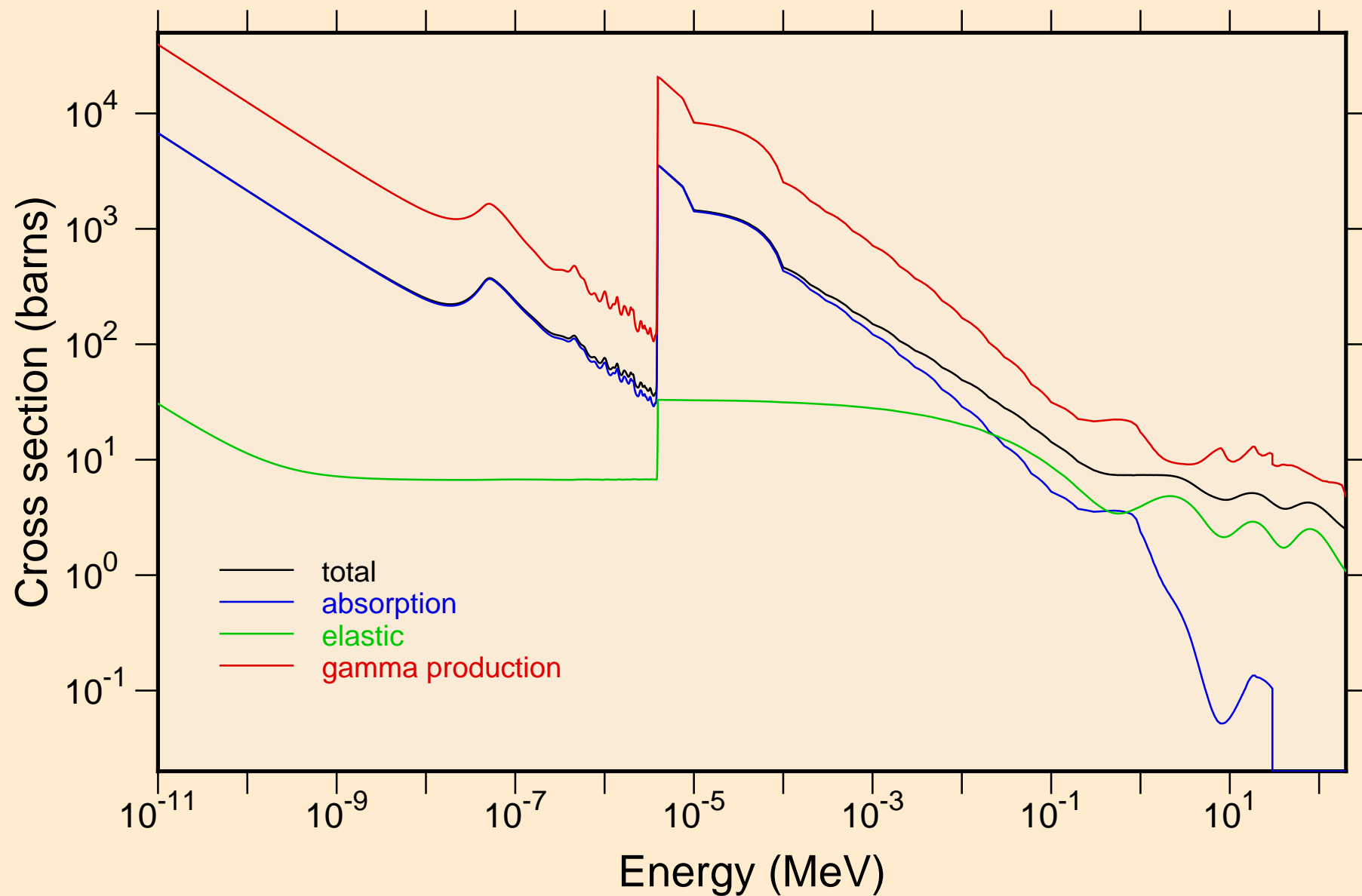
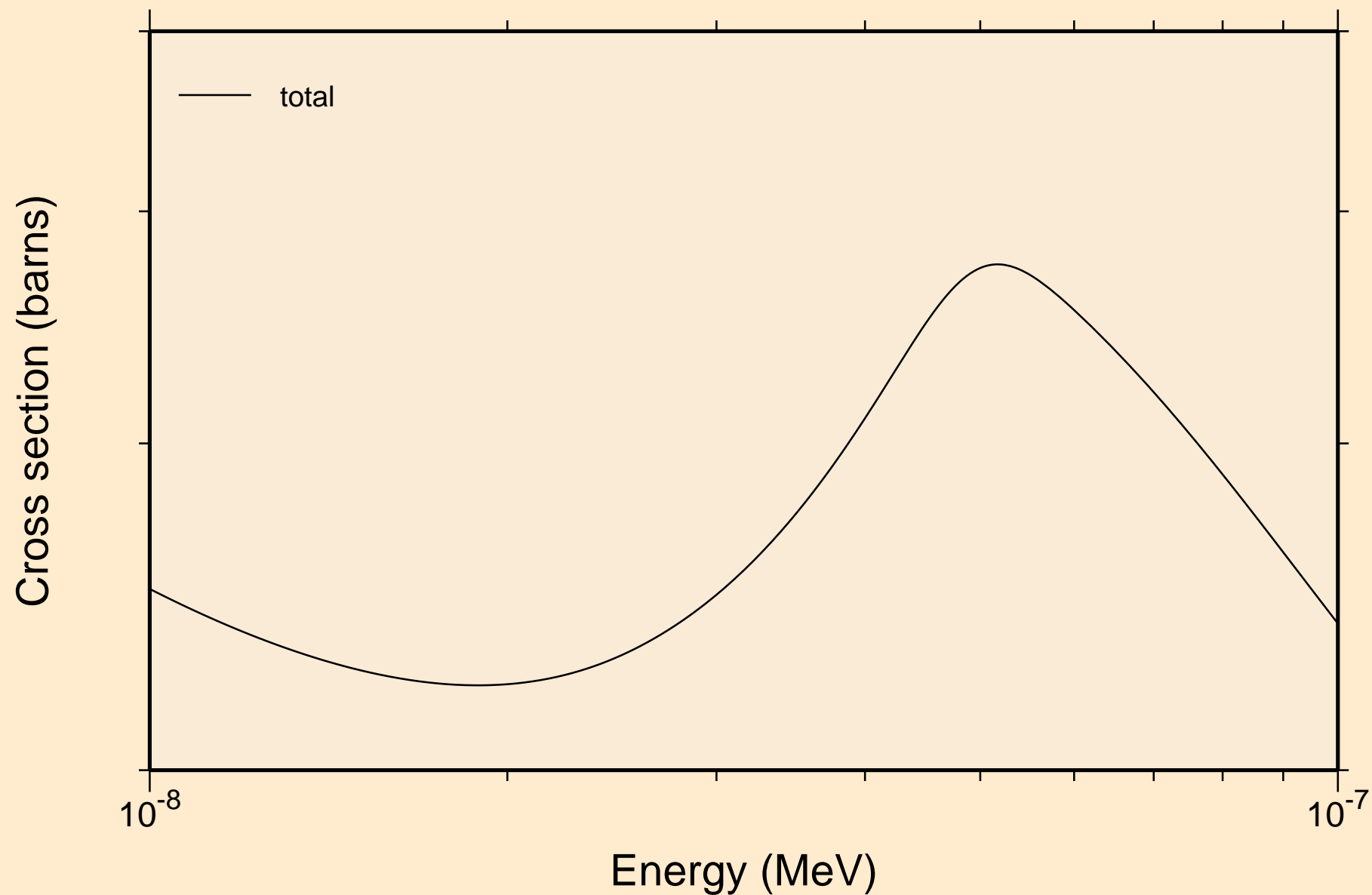


# TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

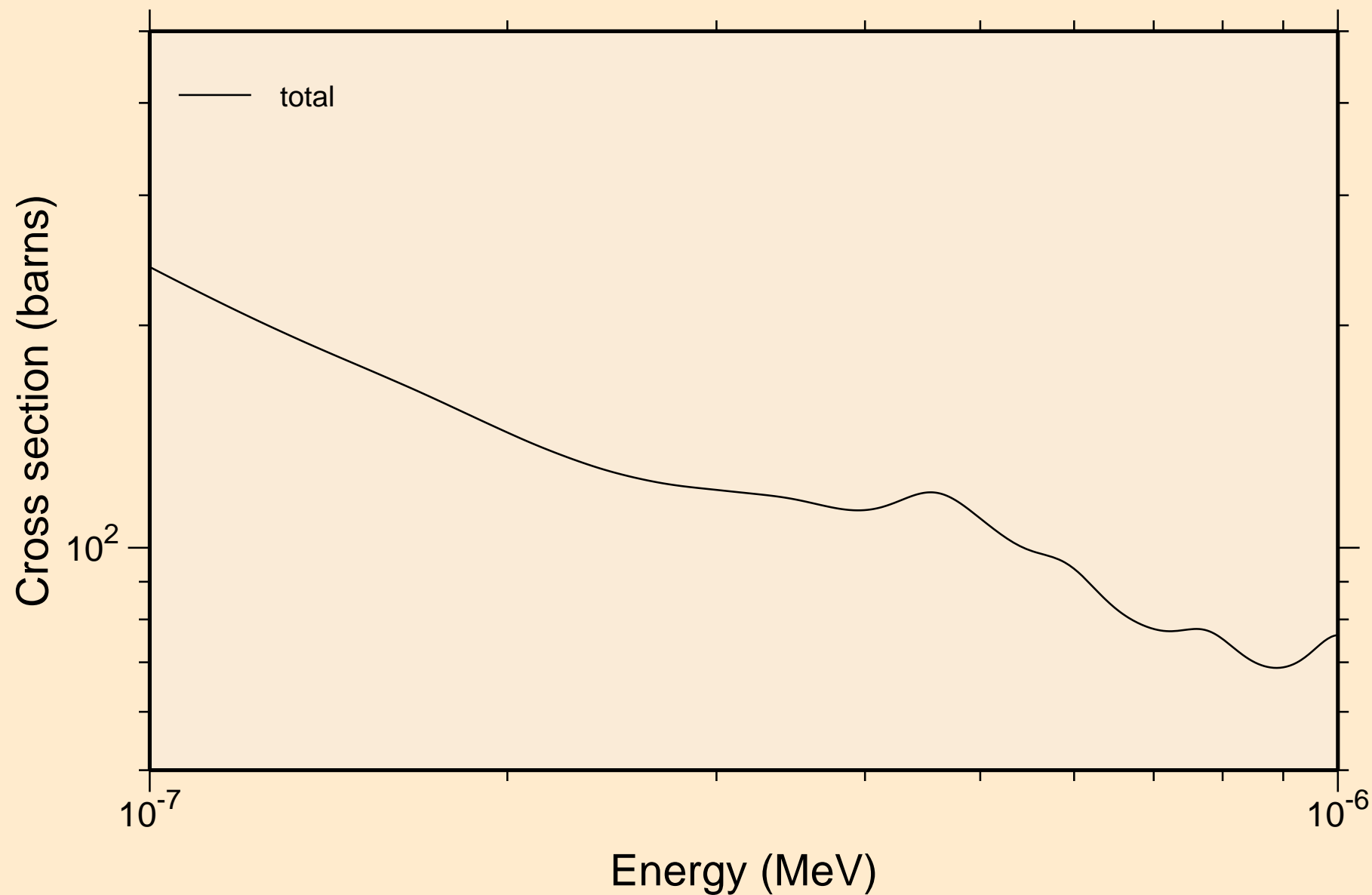
## Principal cross sections



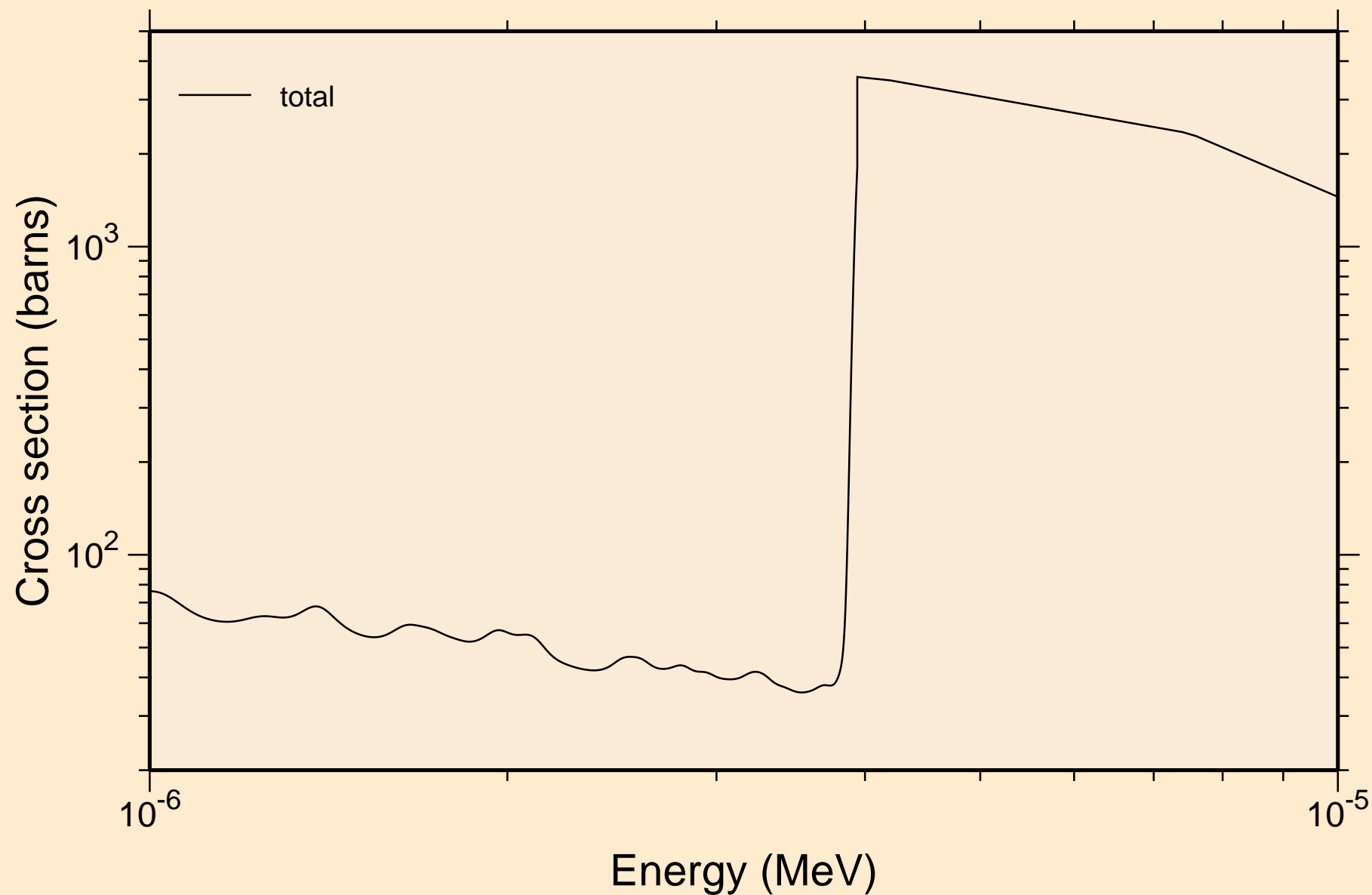
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



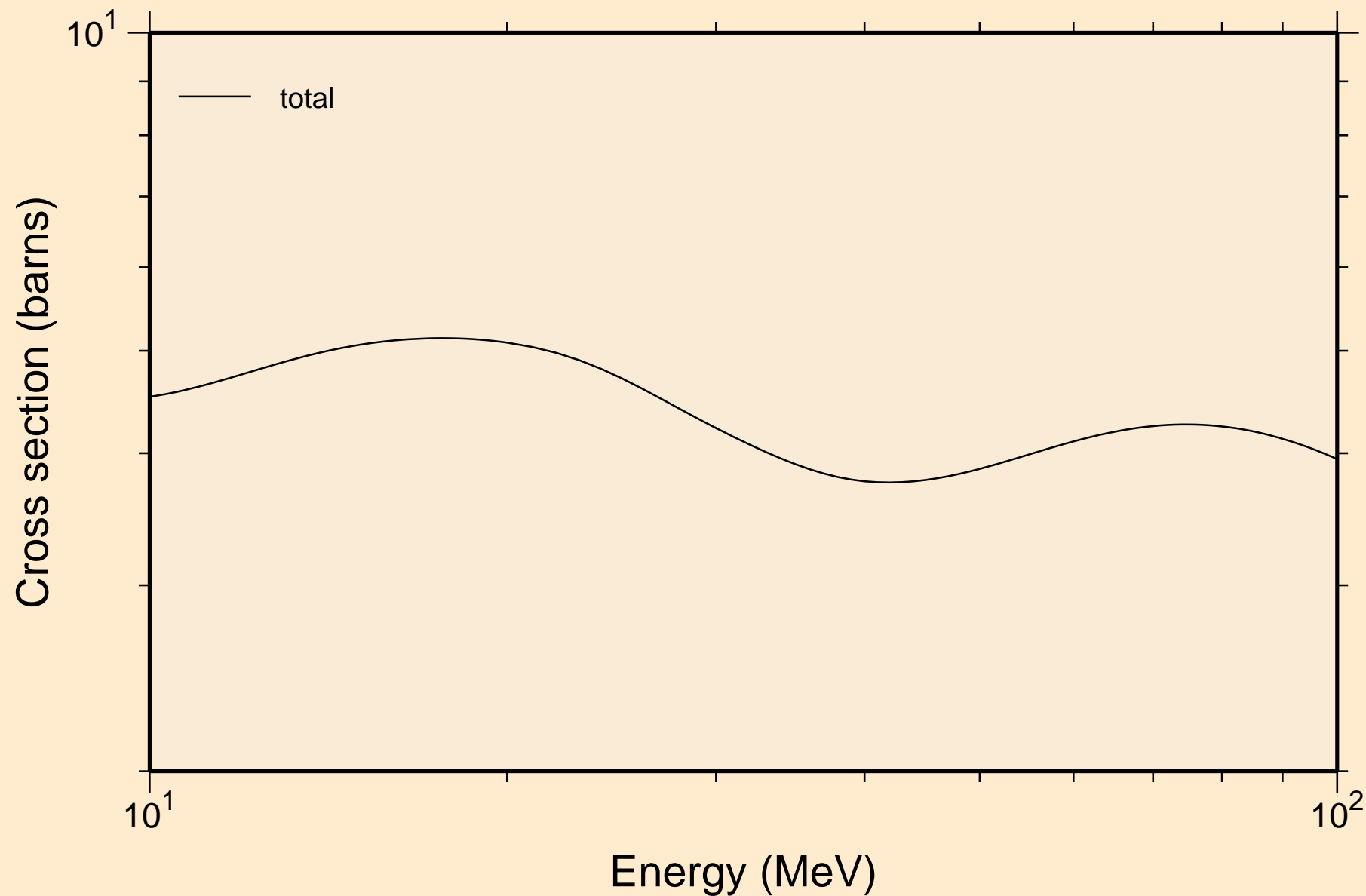
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



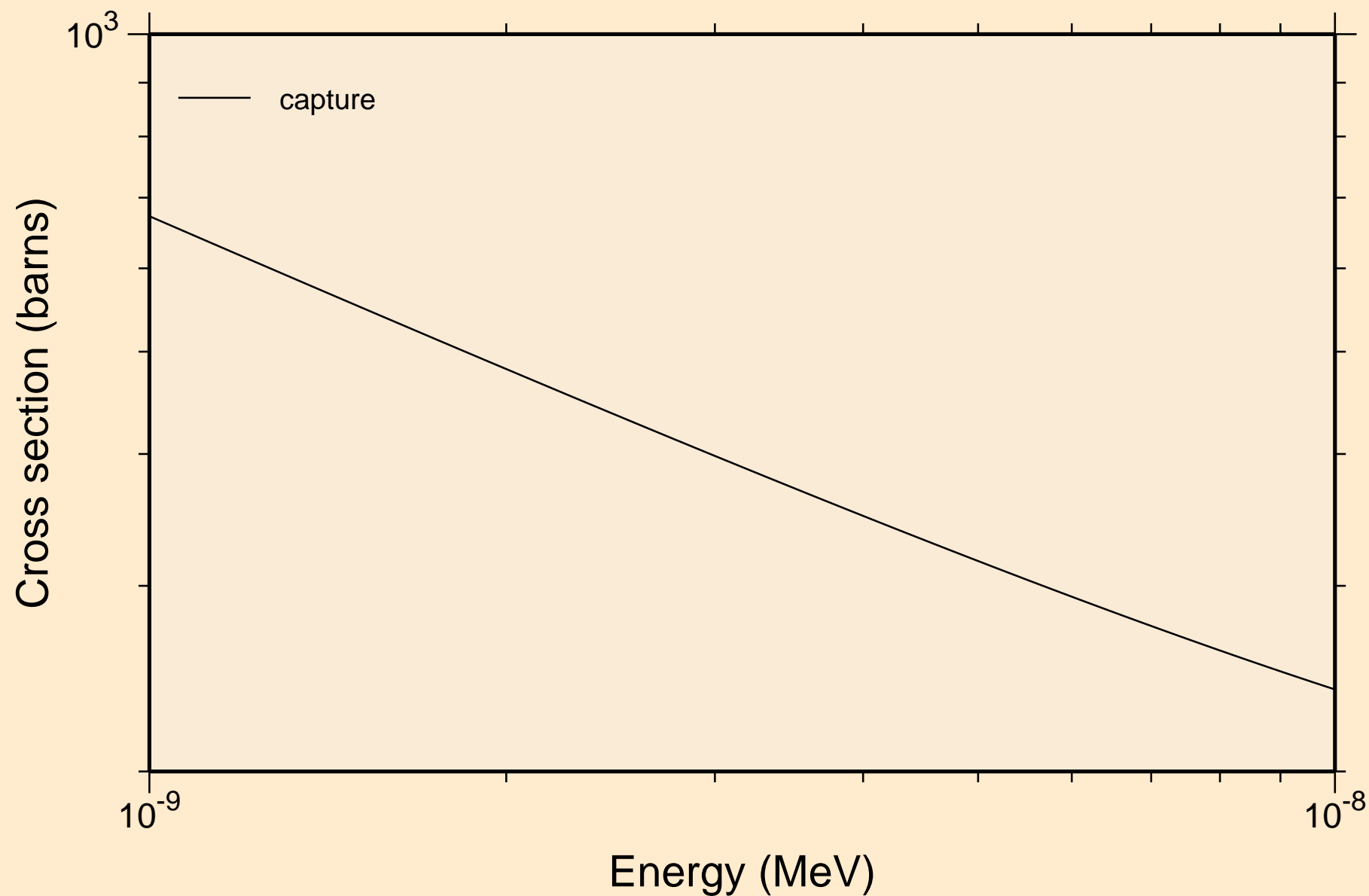
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



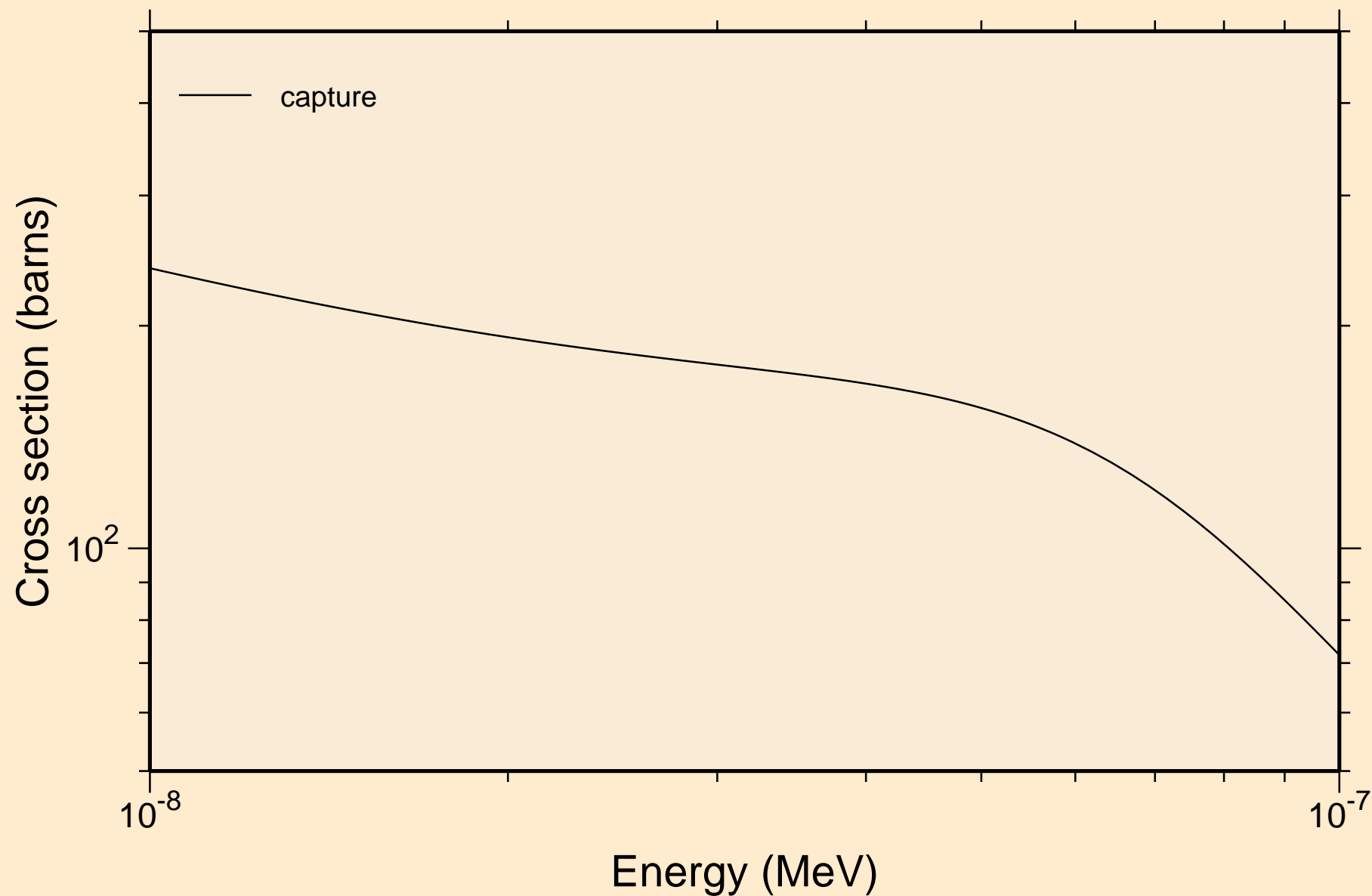
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



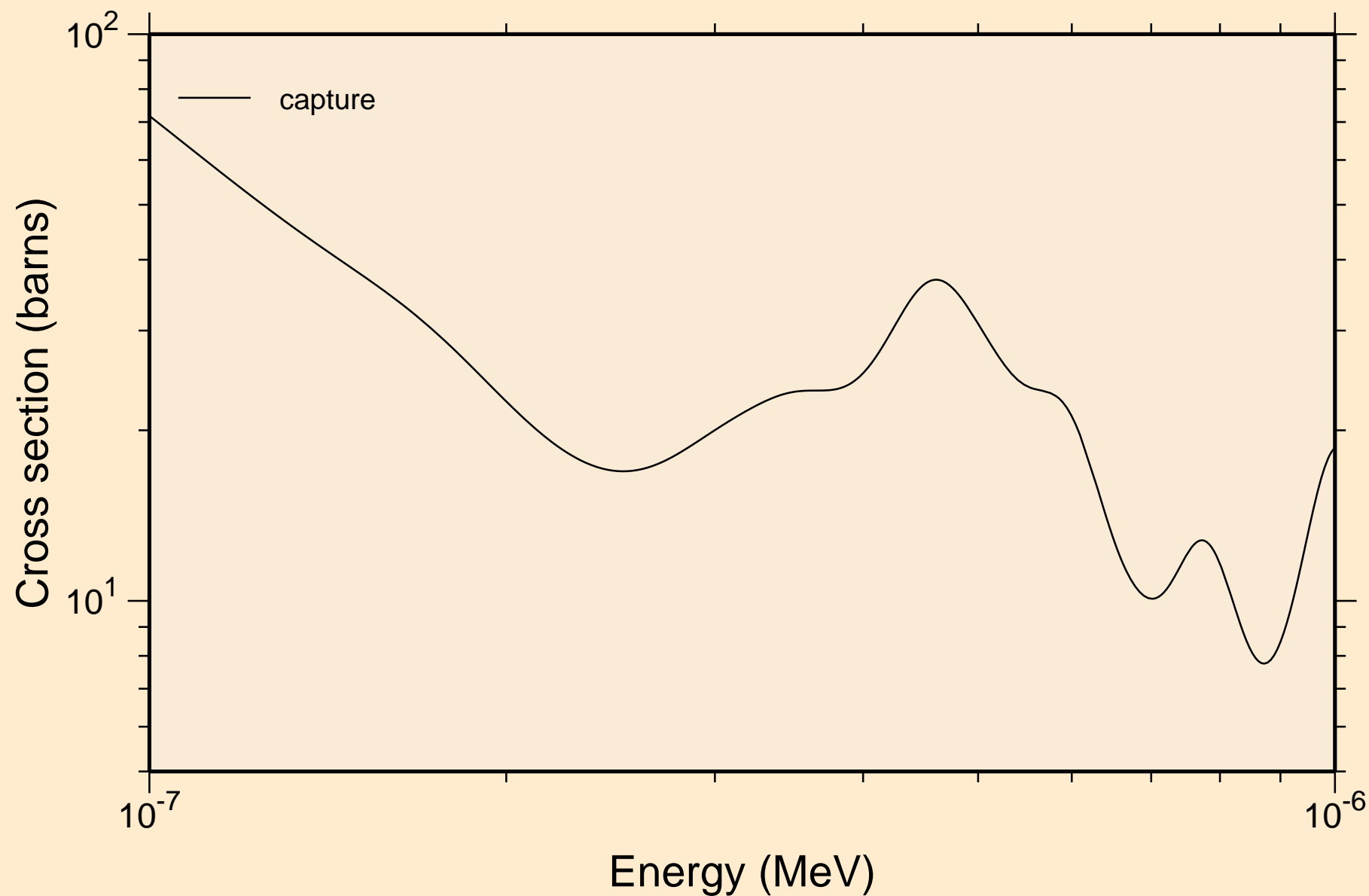
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections

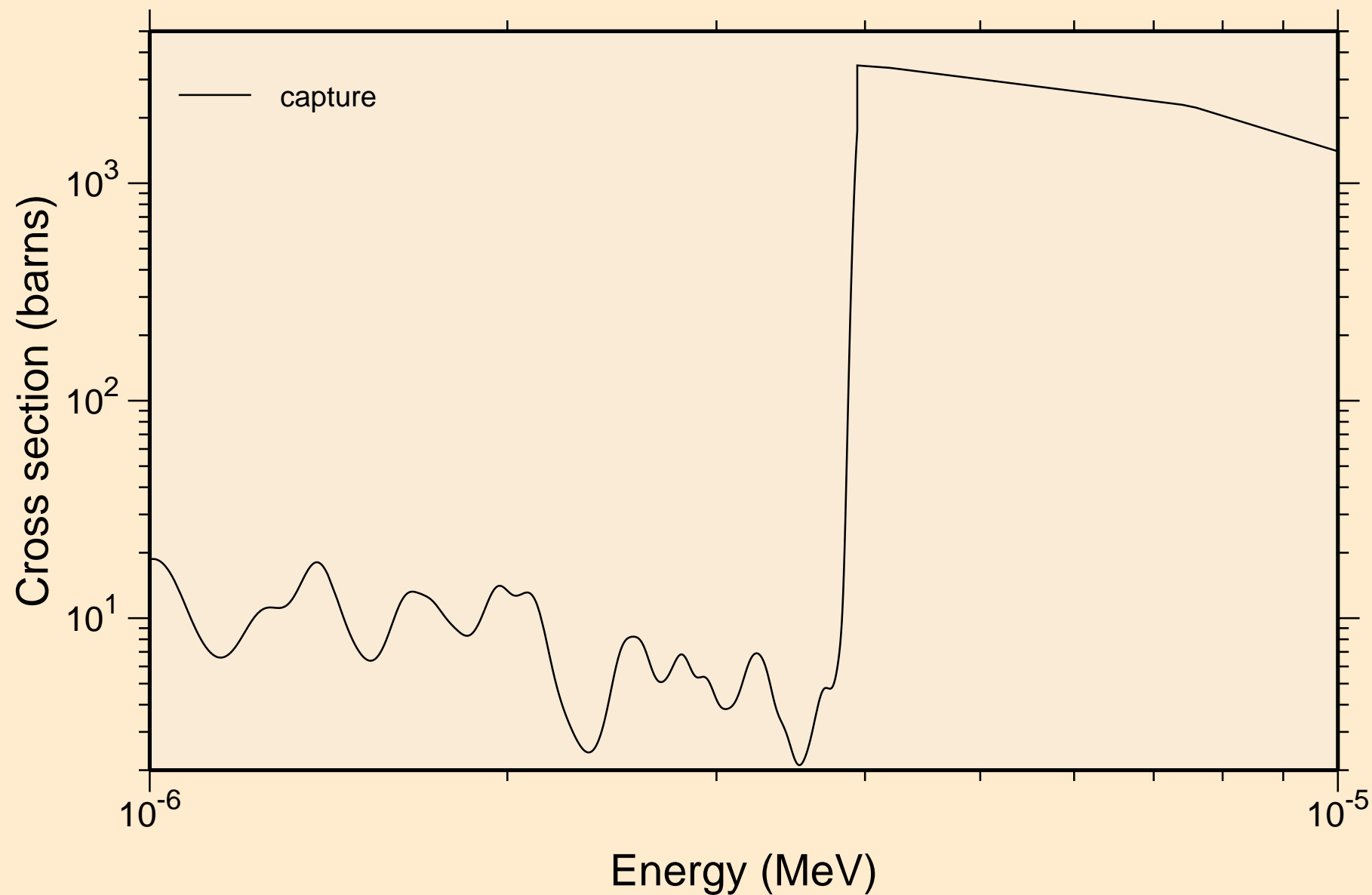


TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections

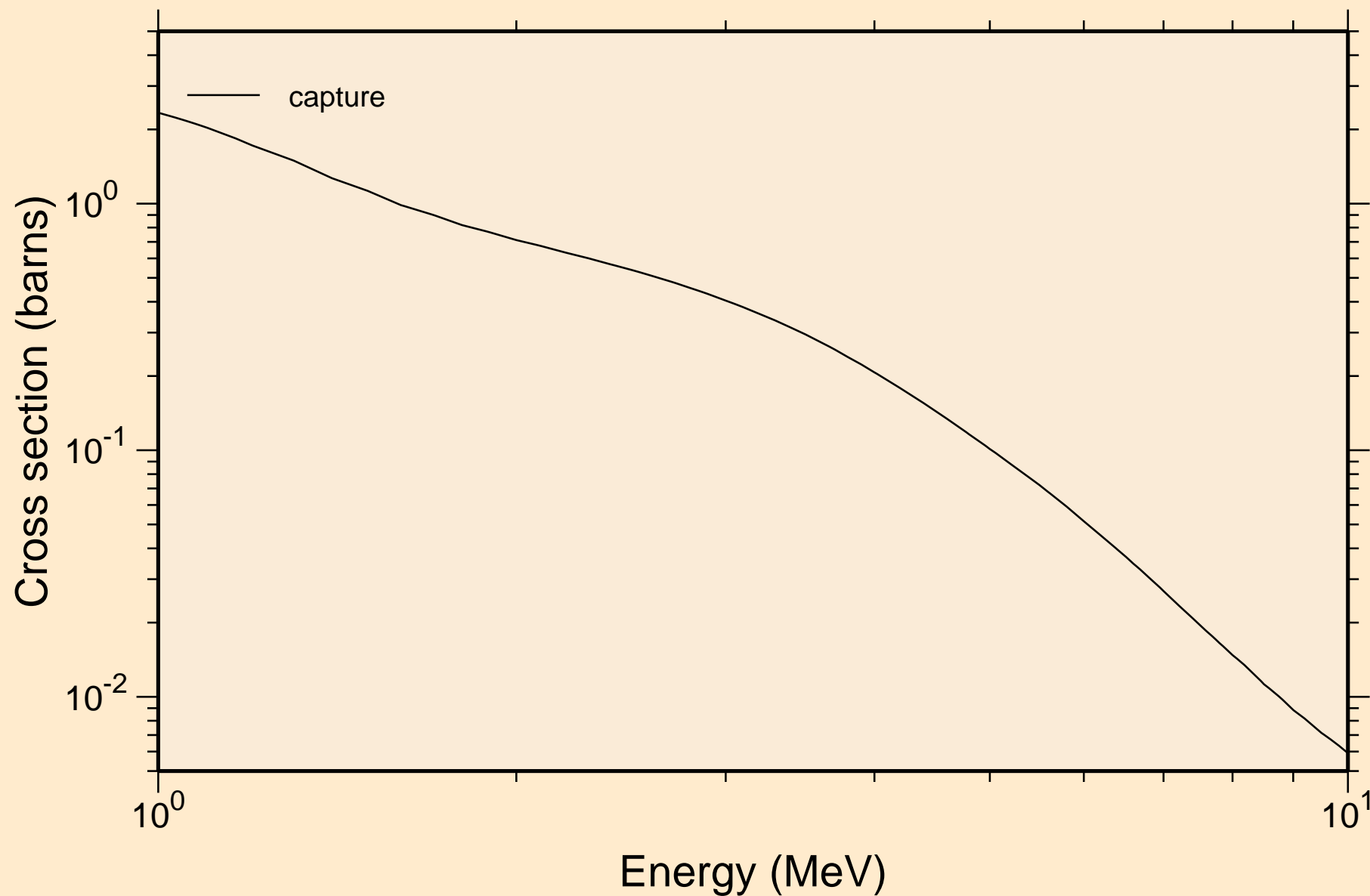




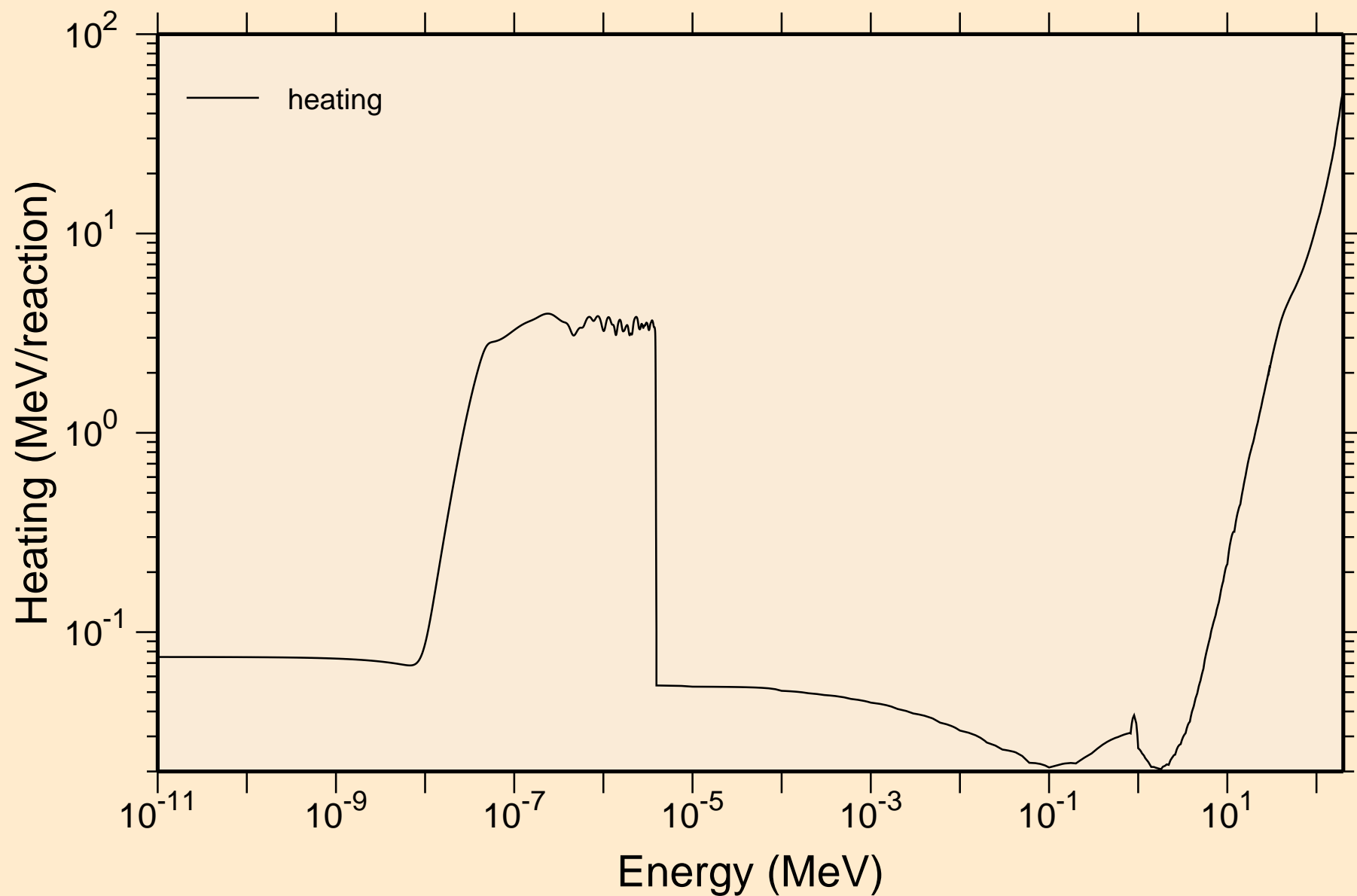
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



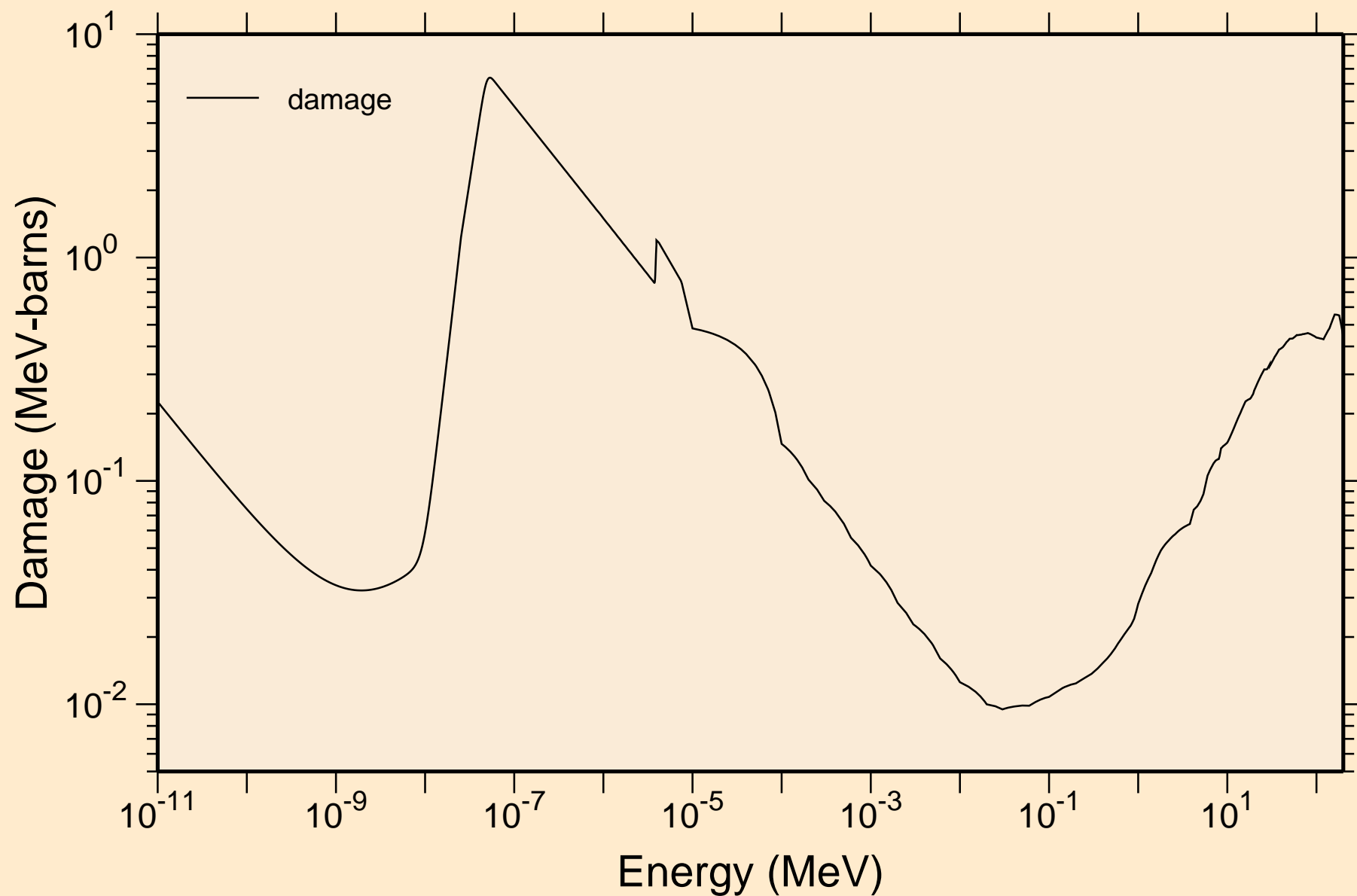
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



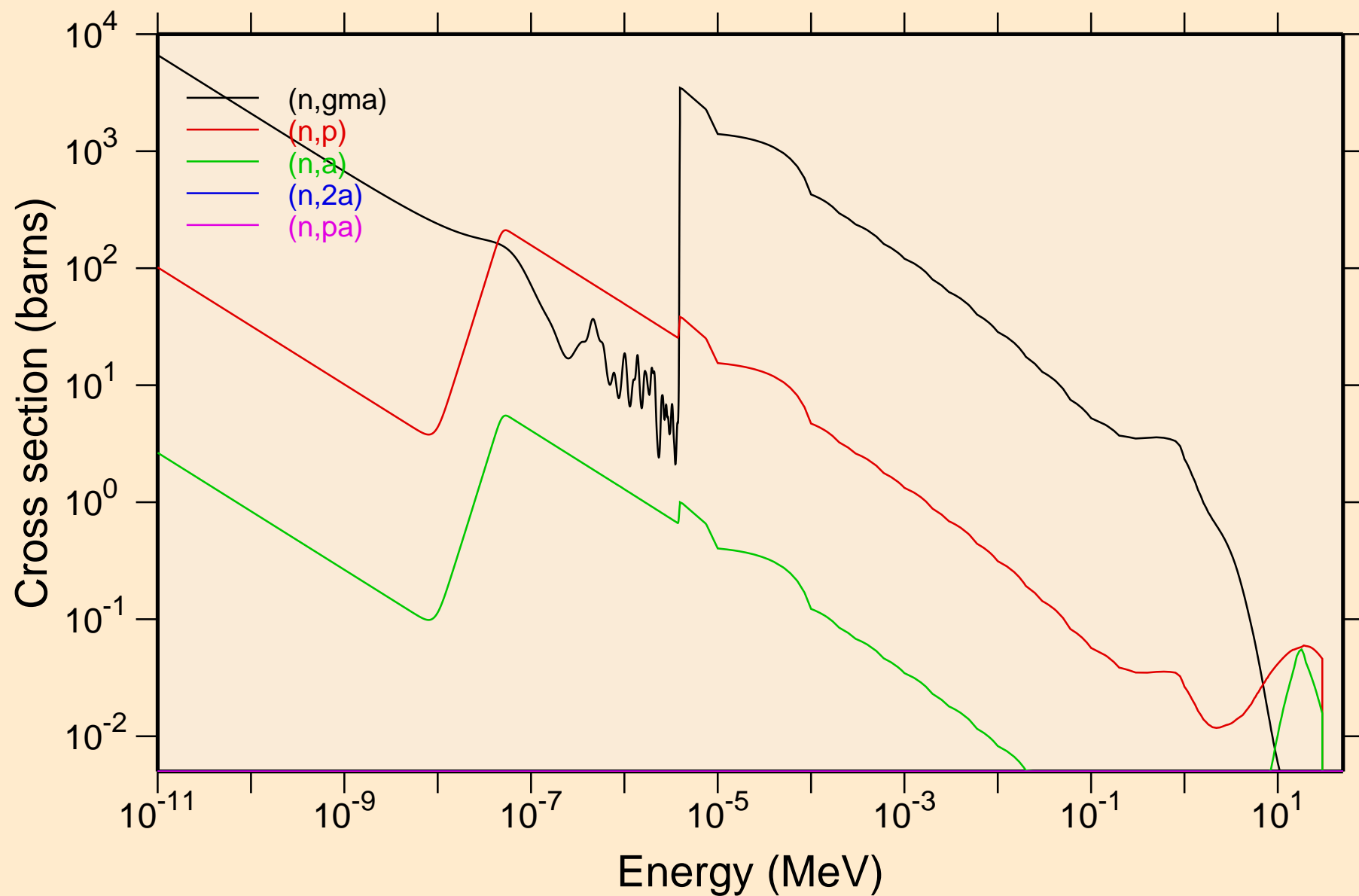
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating



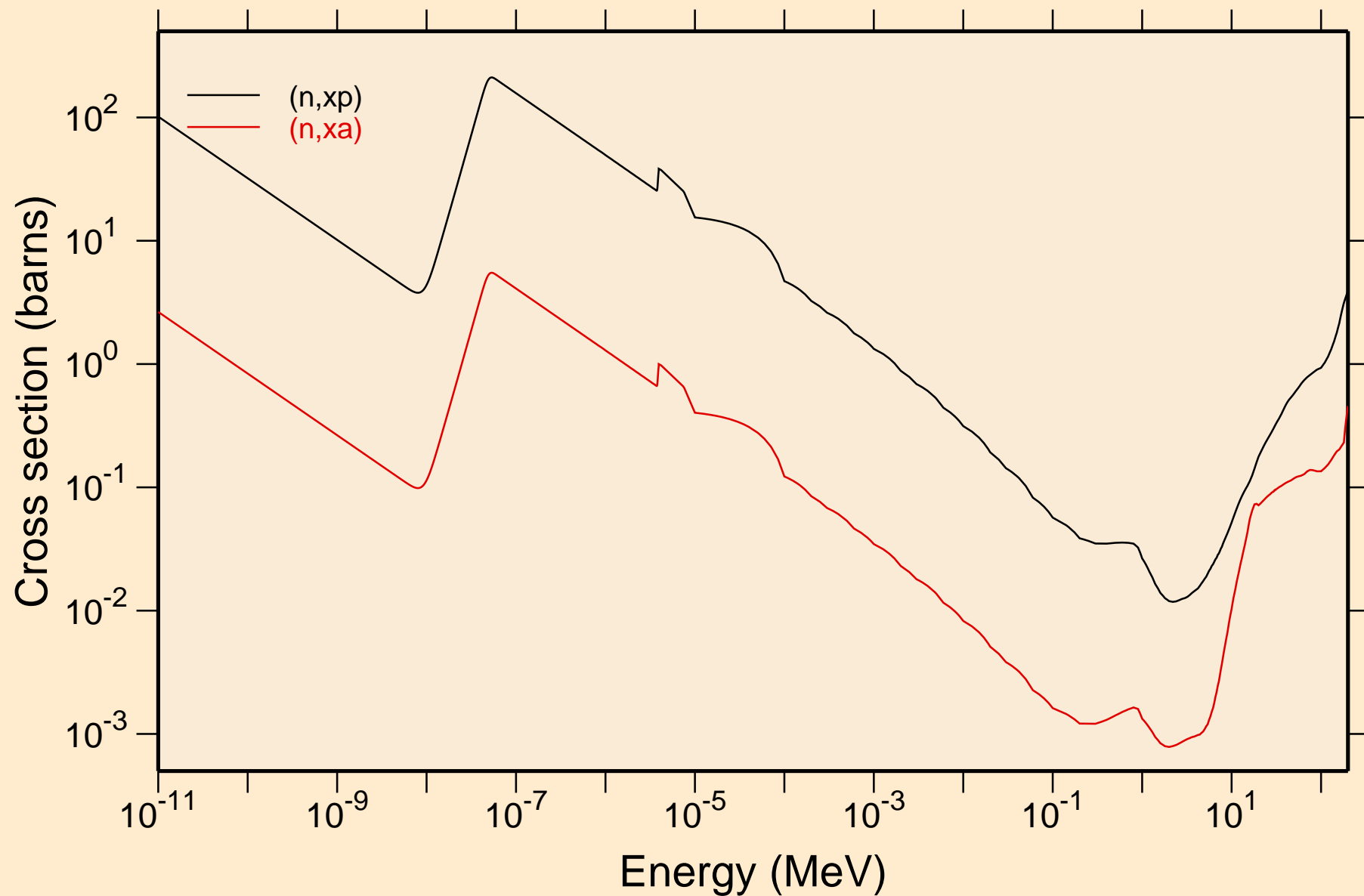
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Damage



TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions

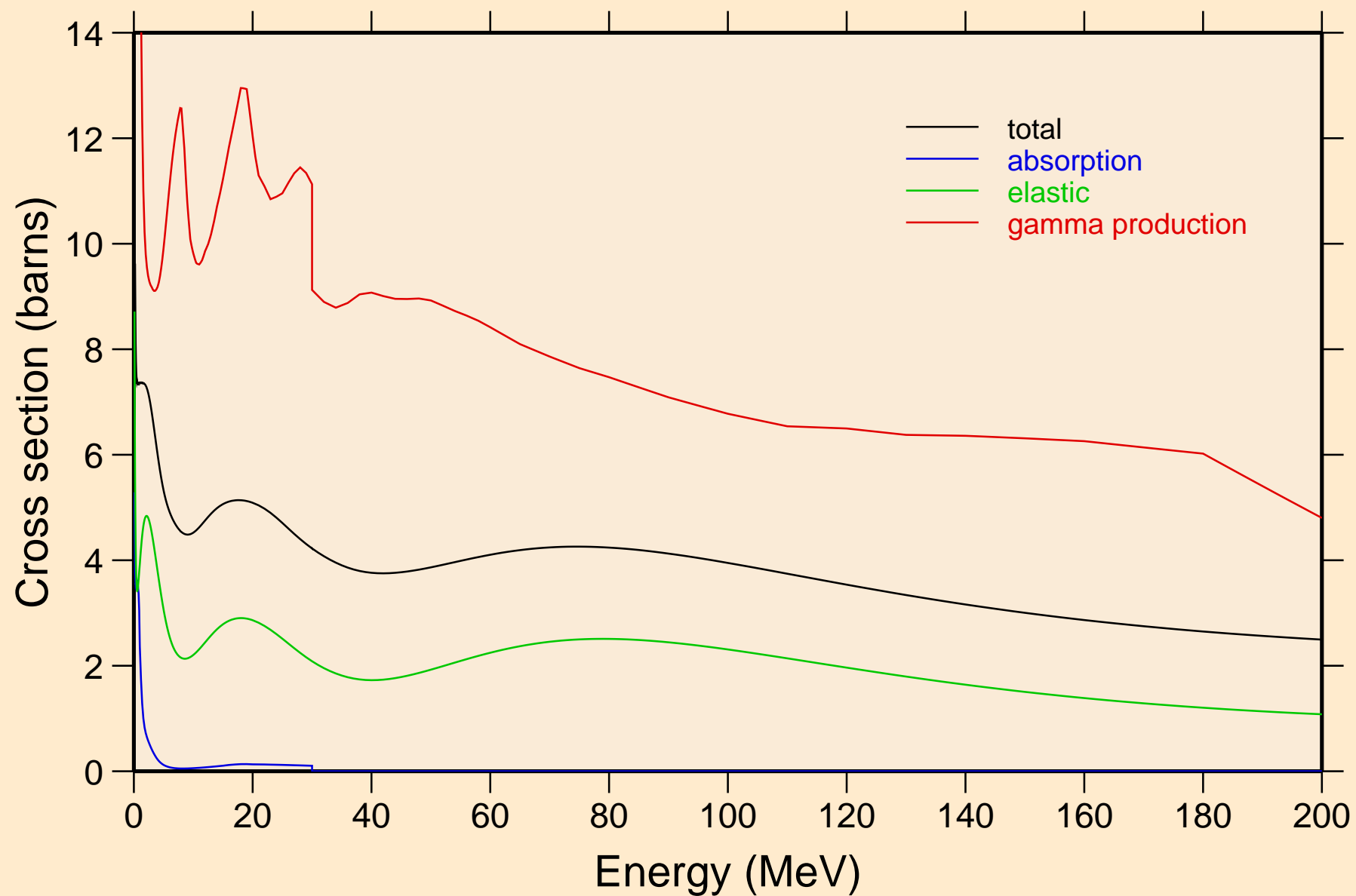


TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions

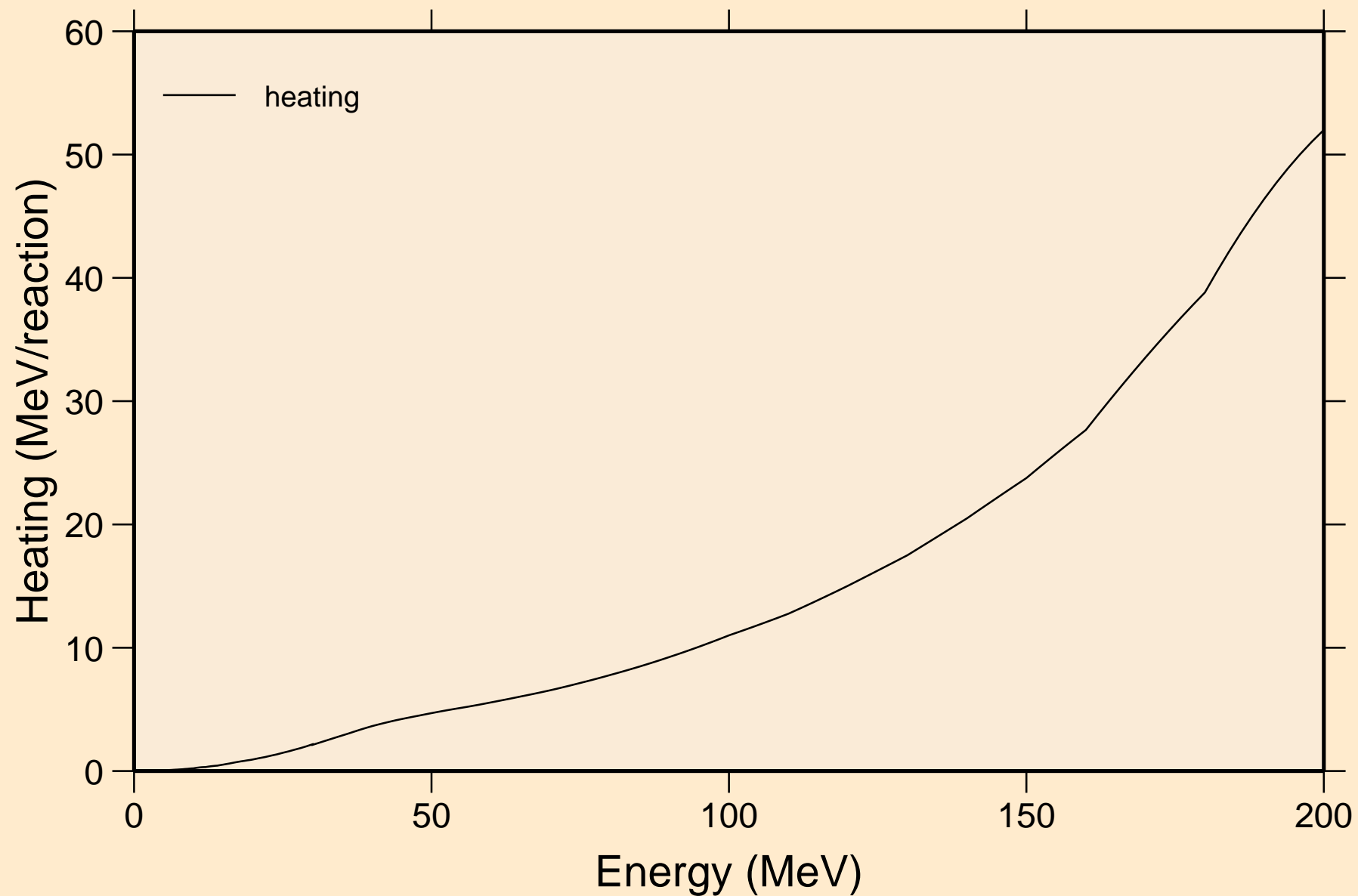


# TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Principal cross sections

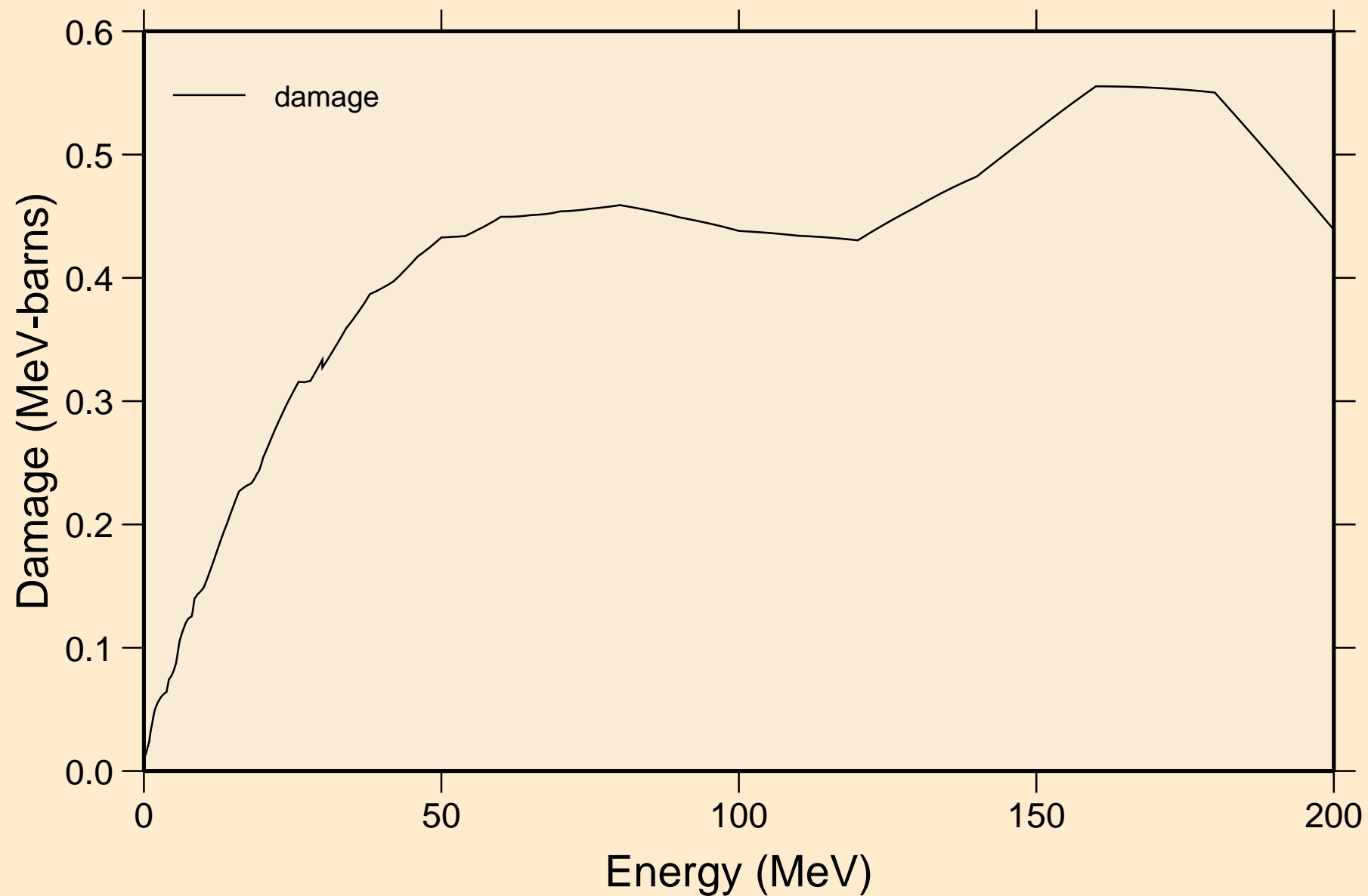


TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating

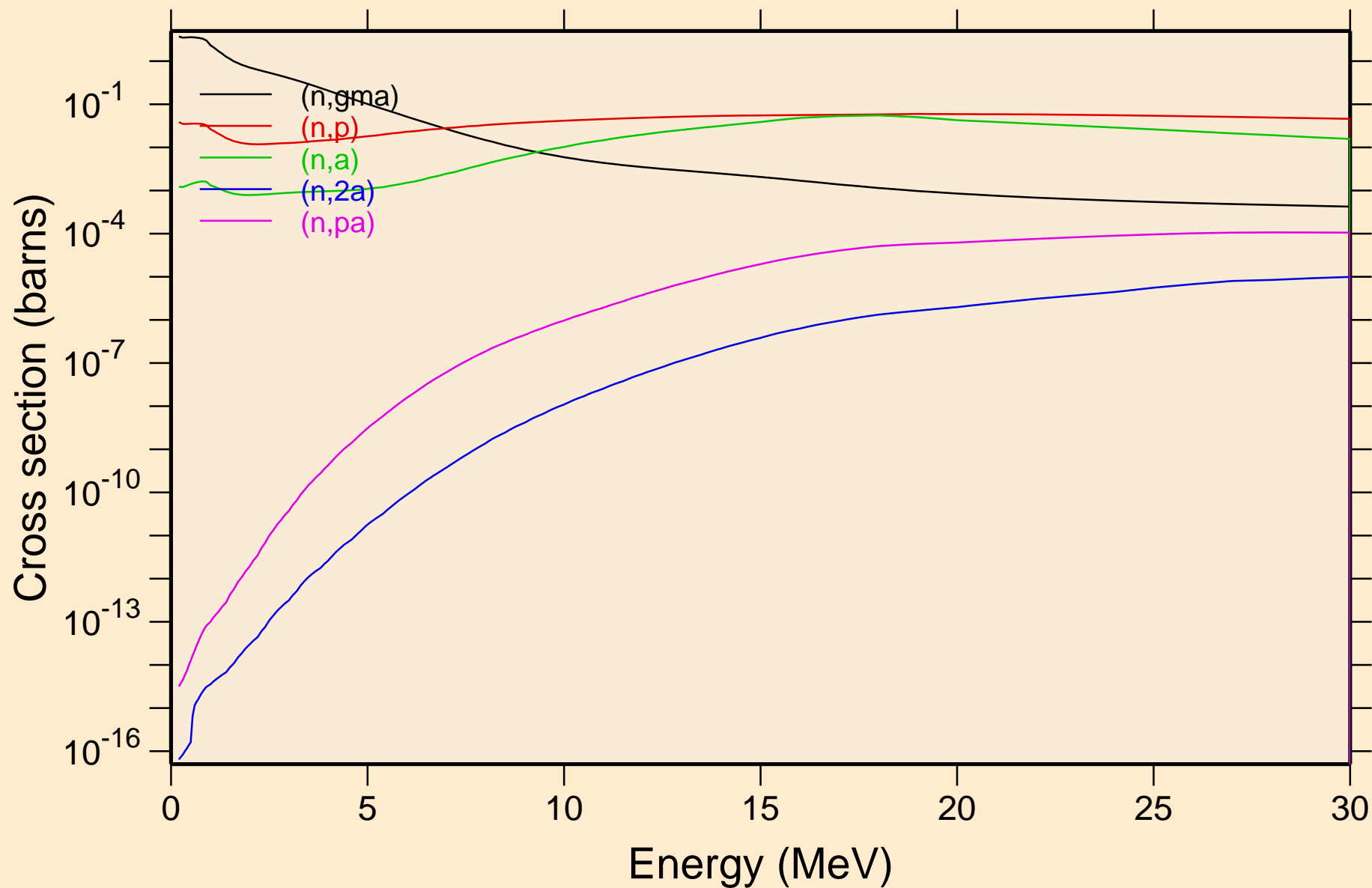




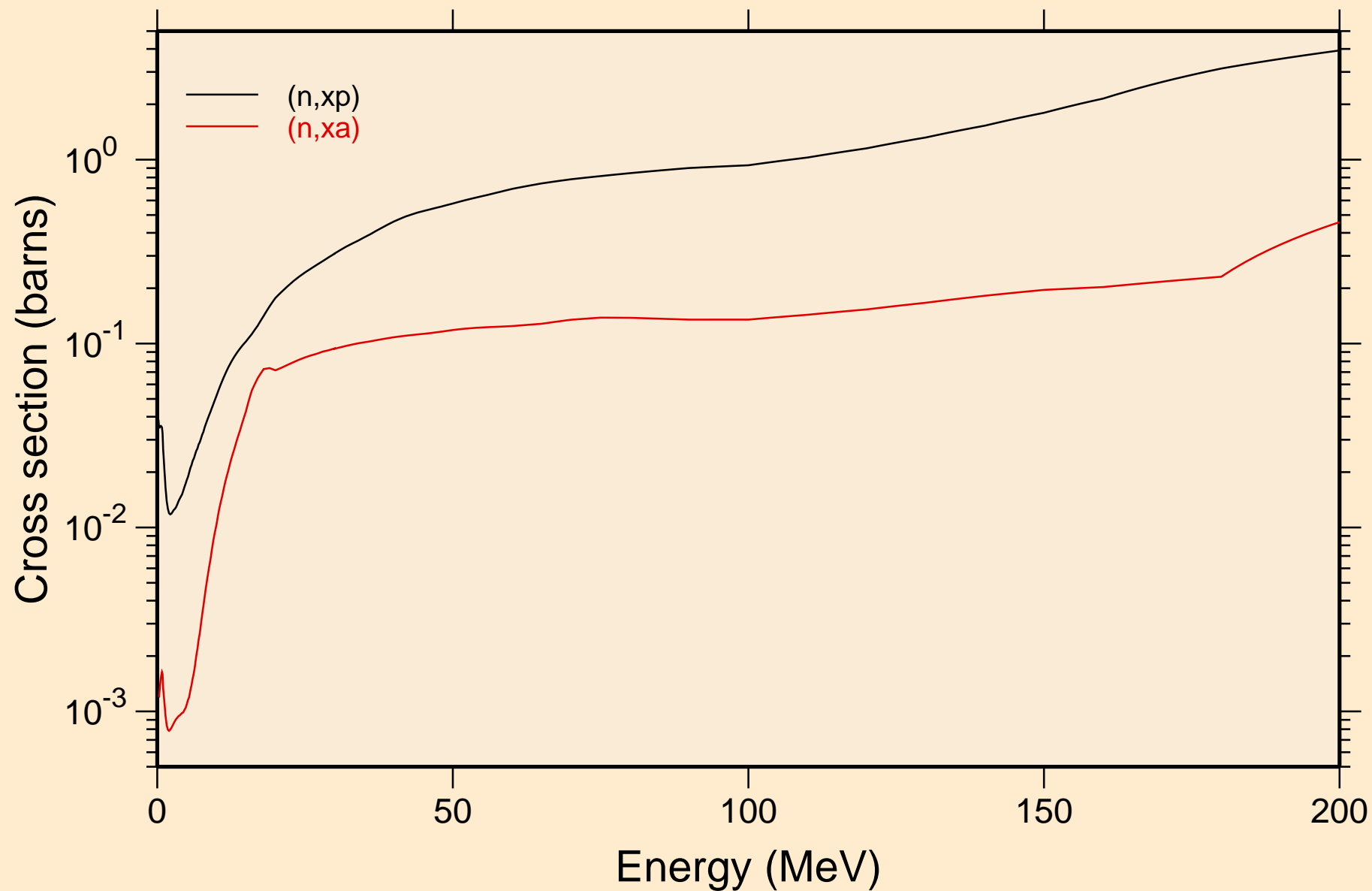
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Damage



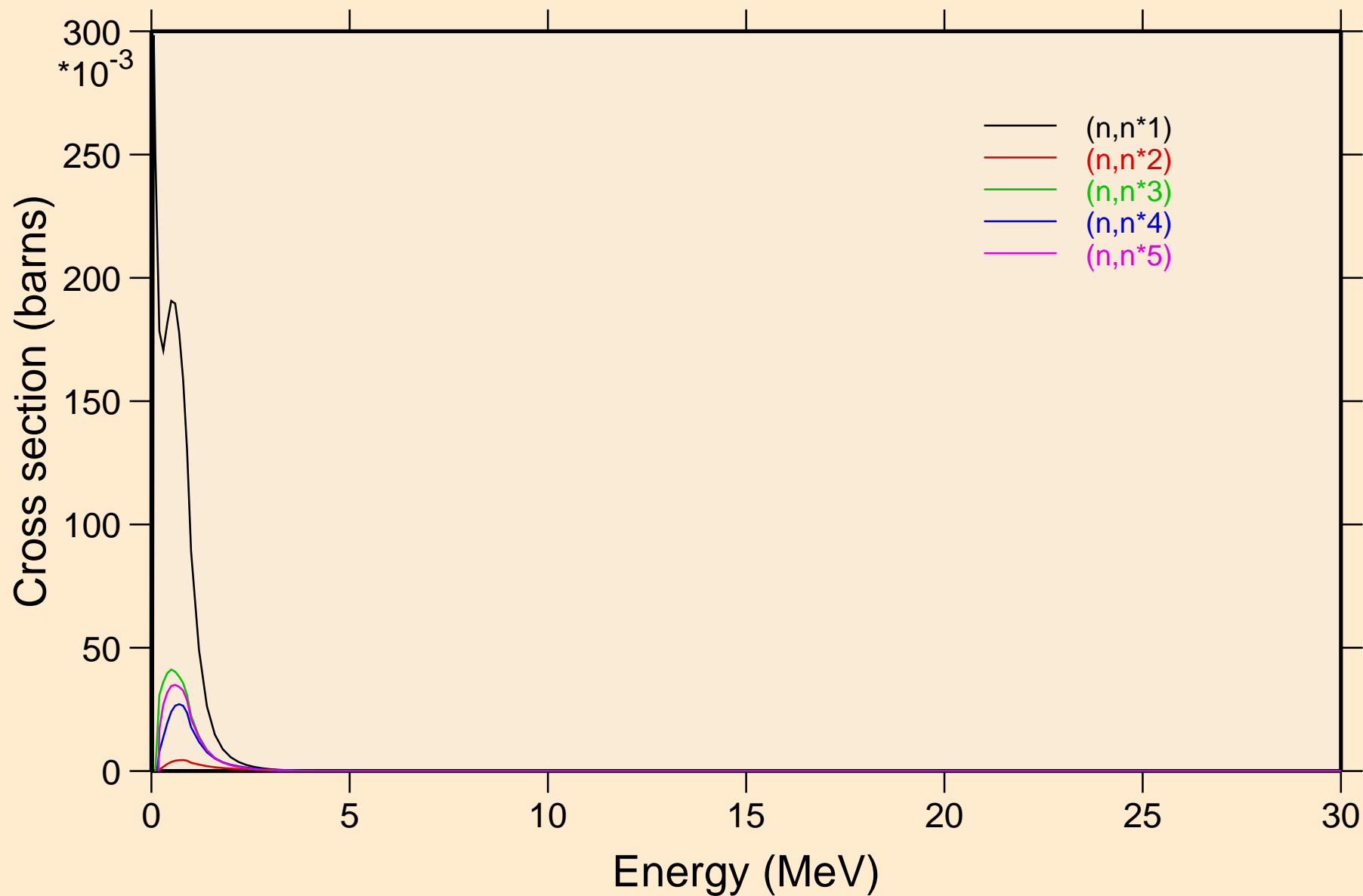
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions



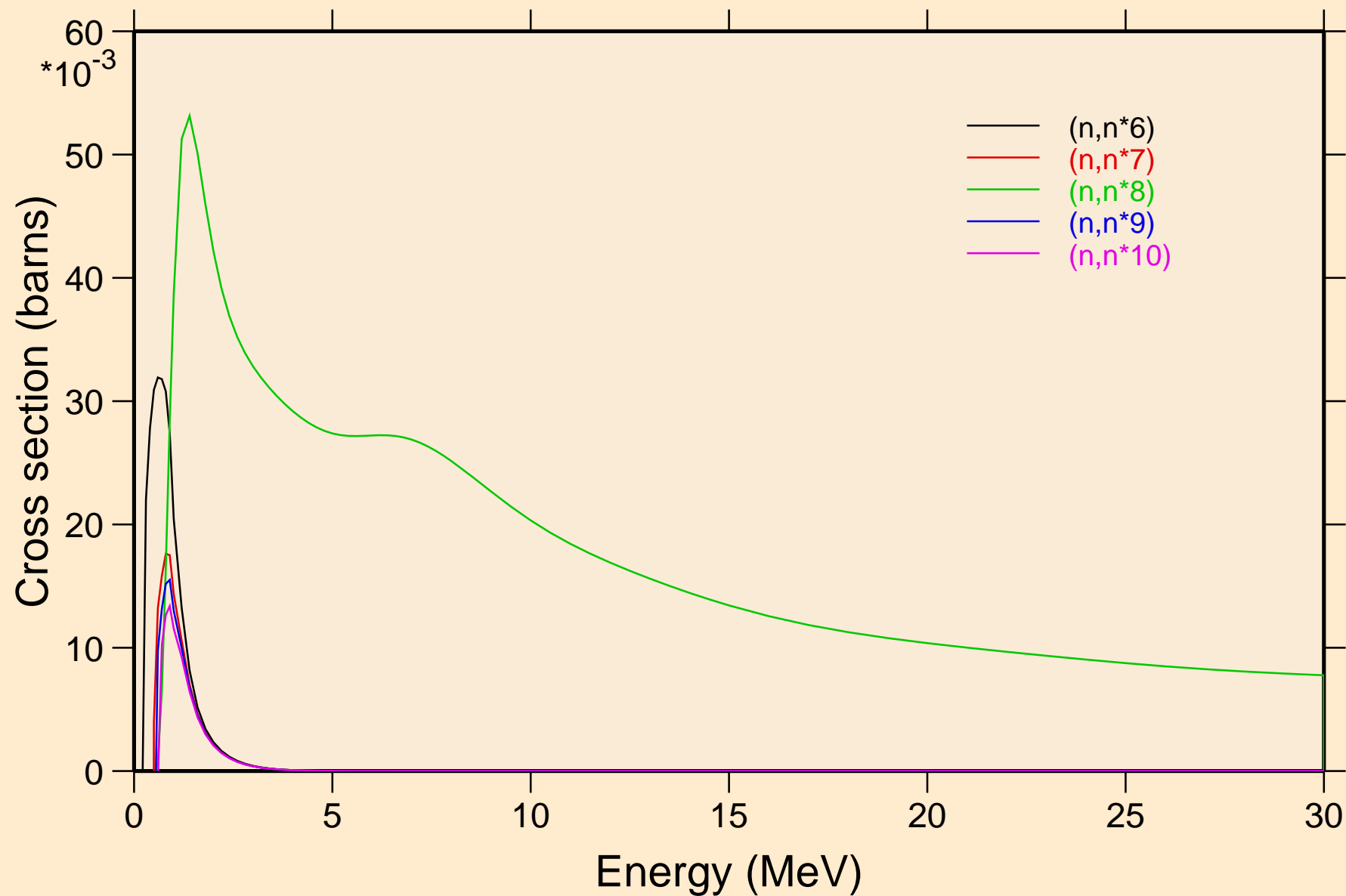
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions



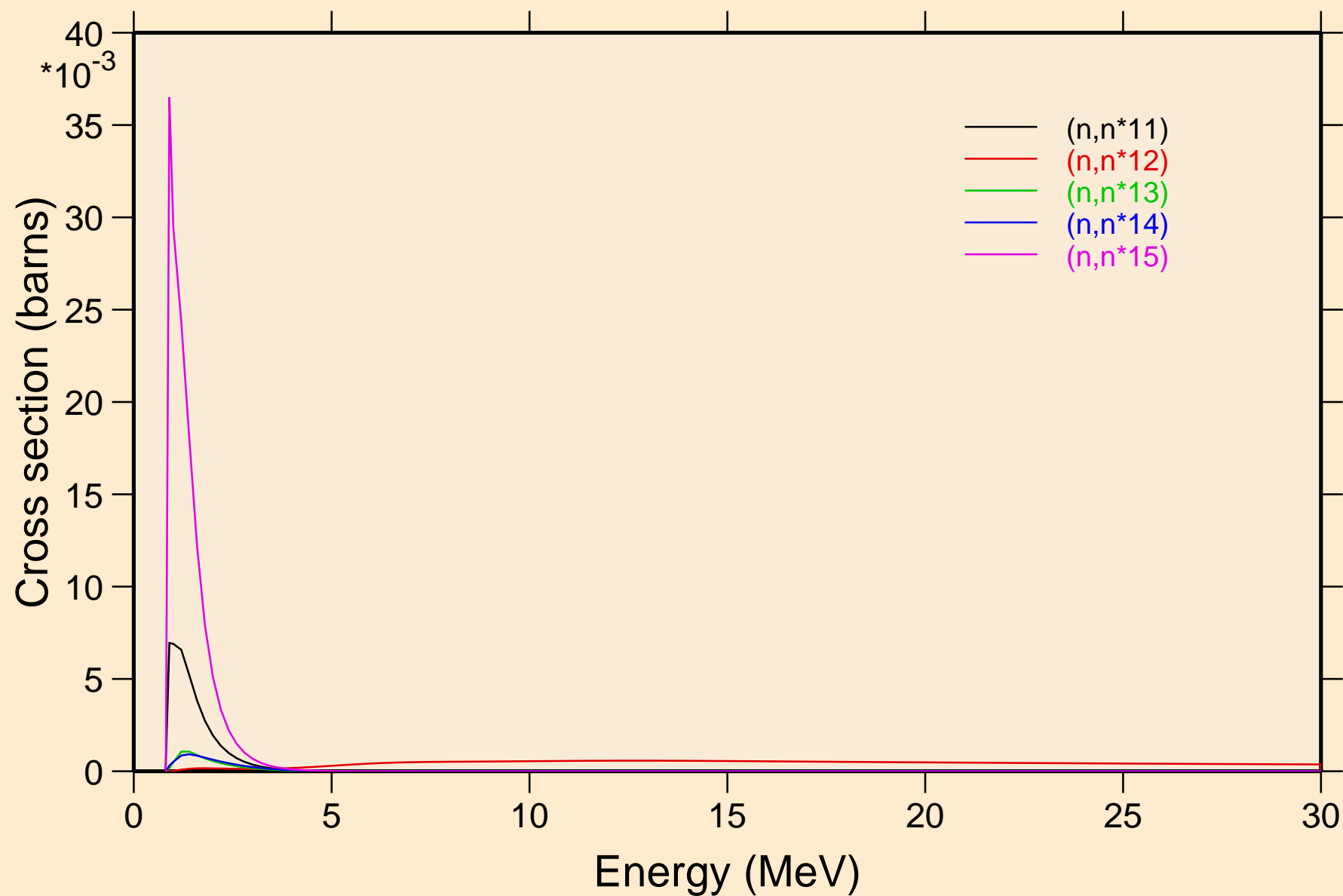
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



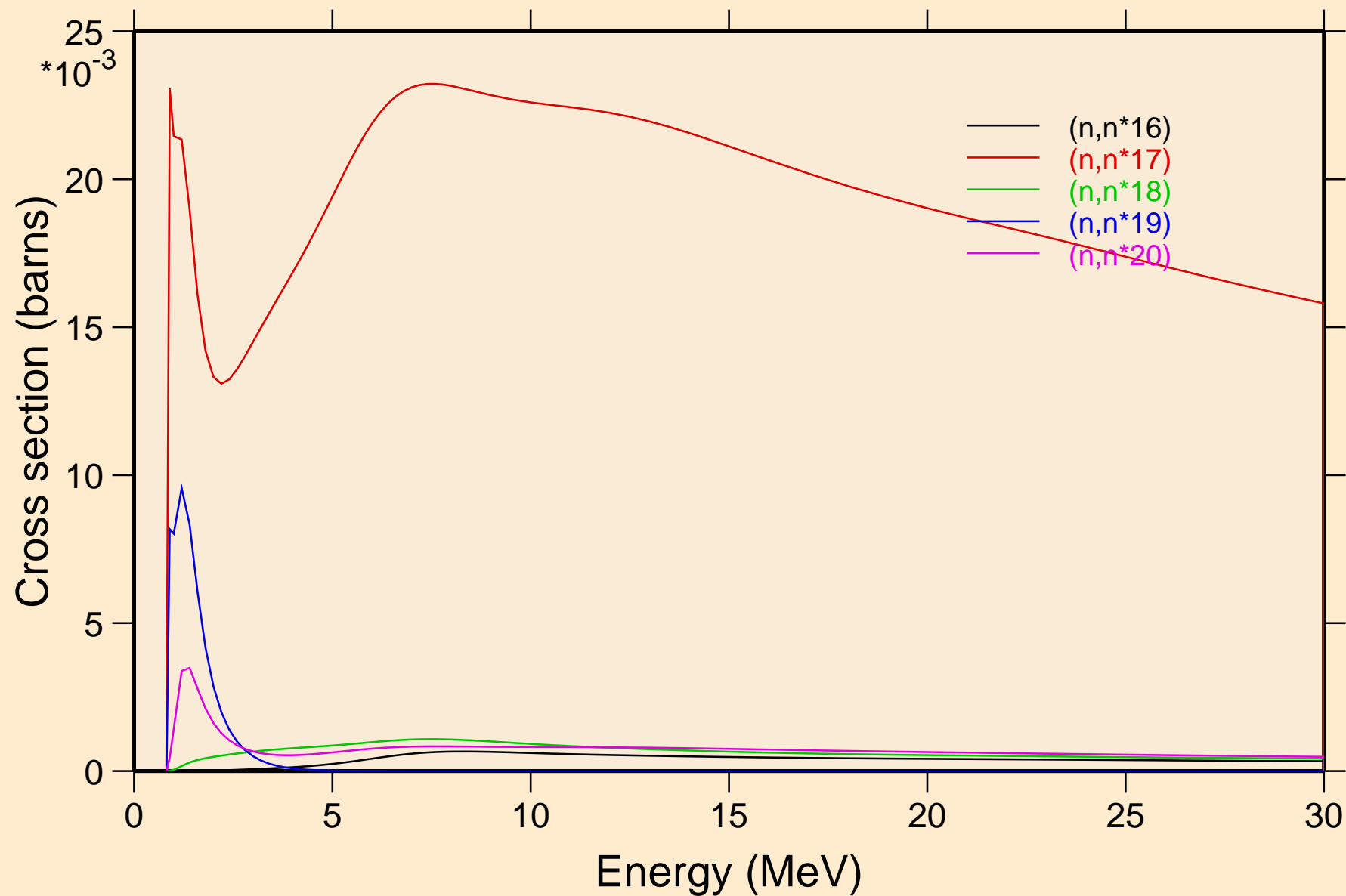
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



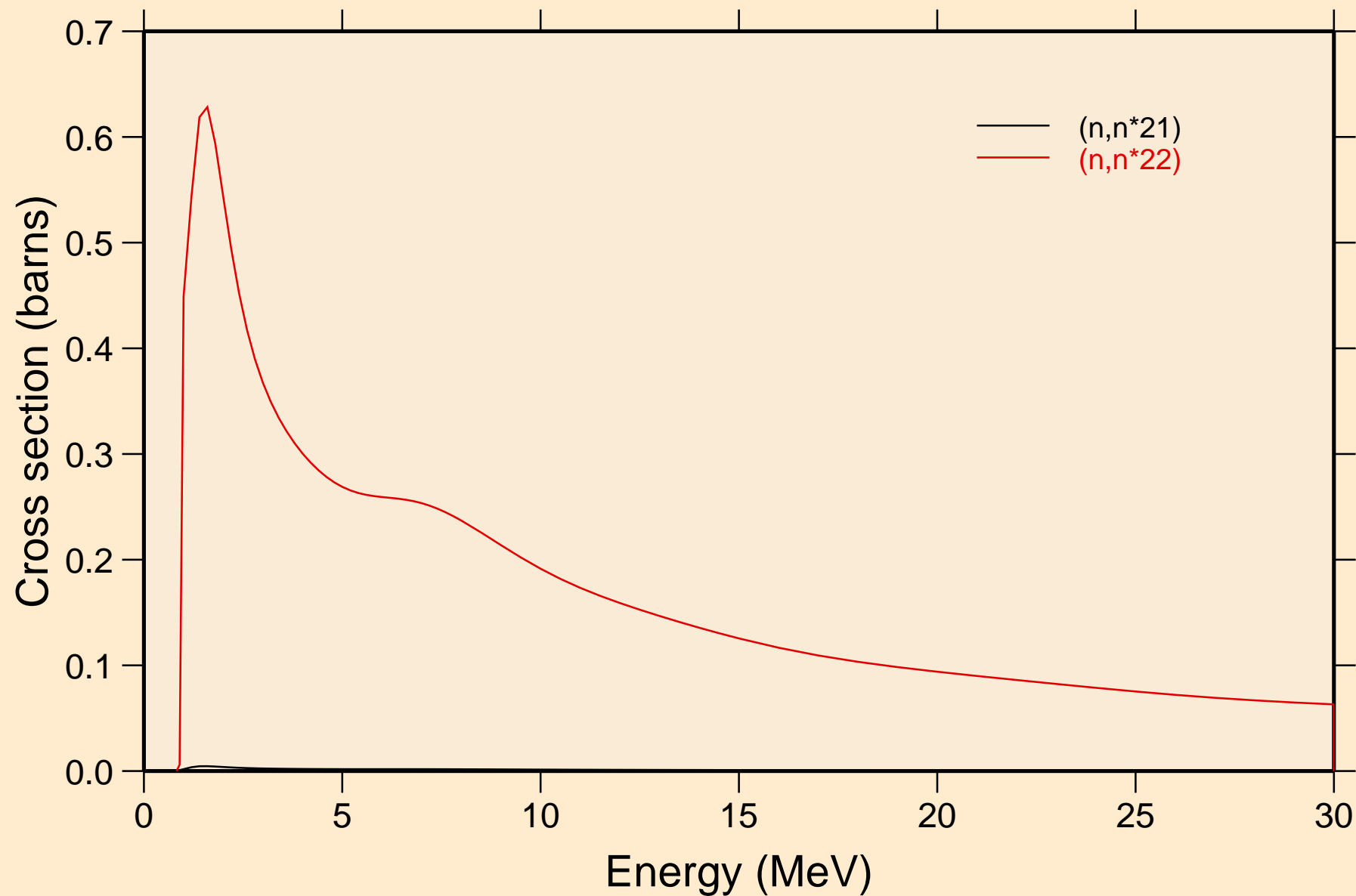
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels

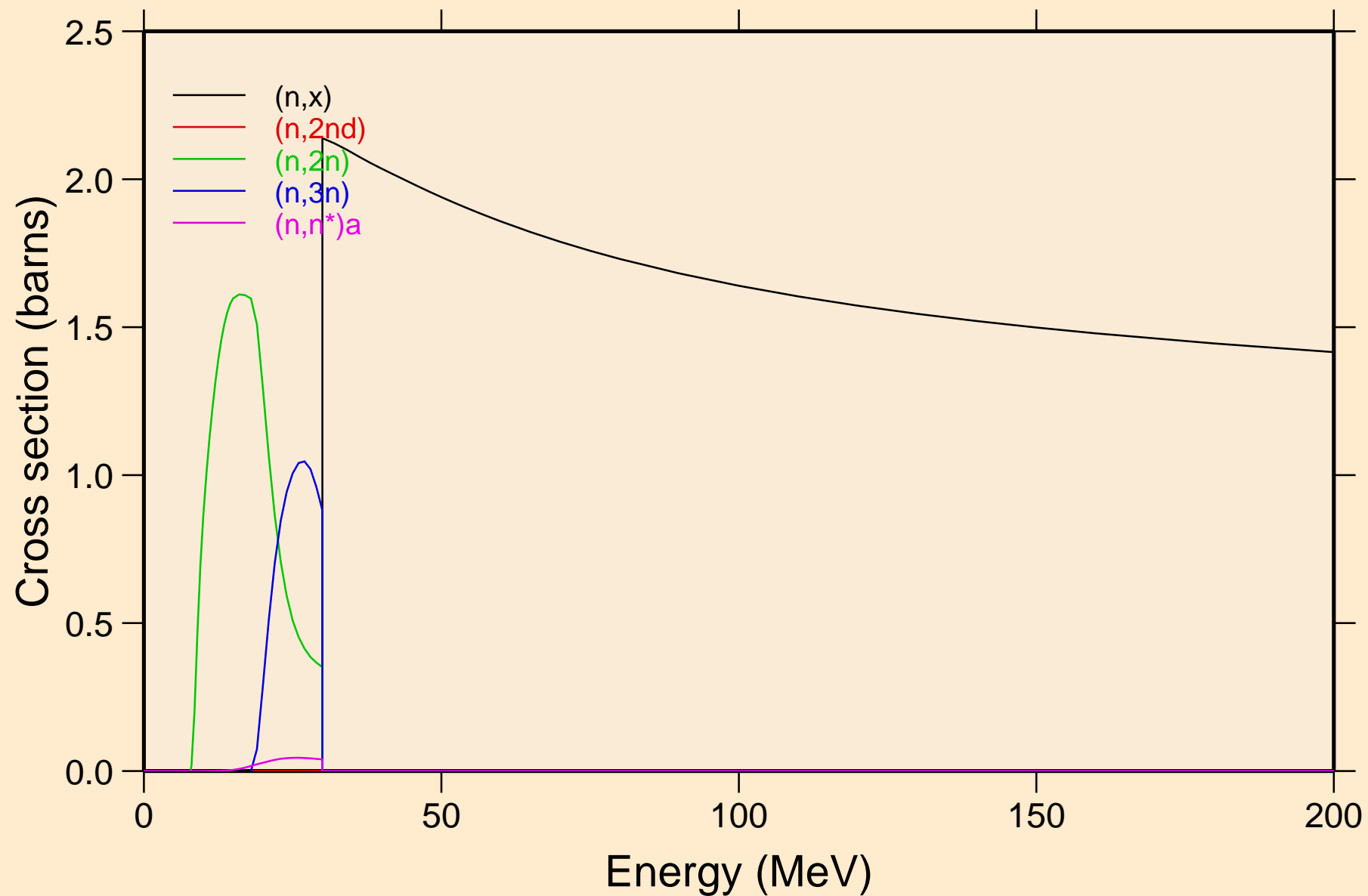


TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels

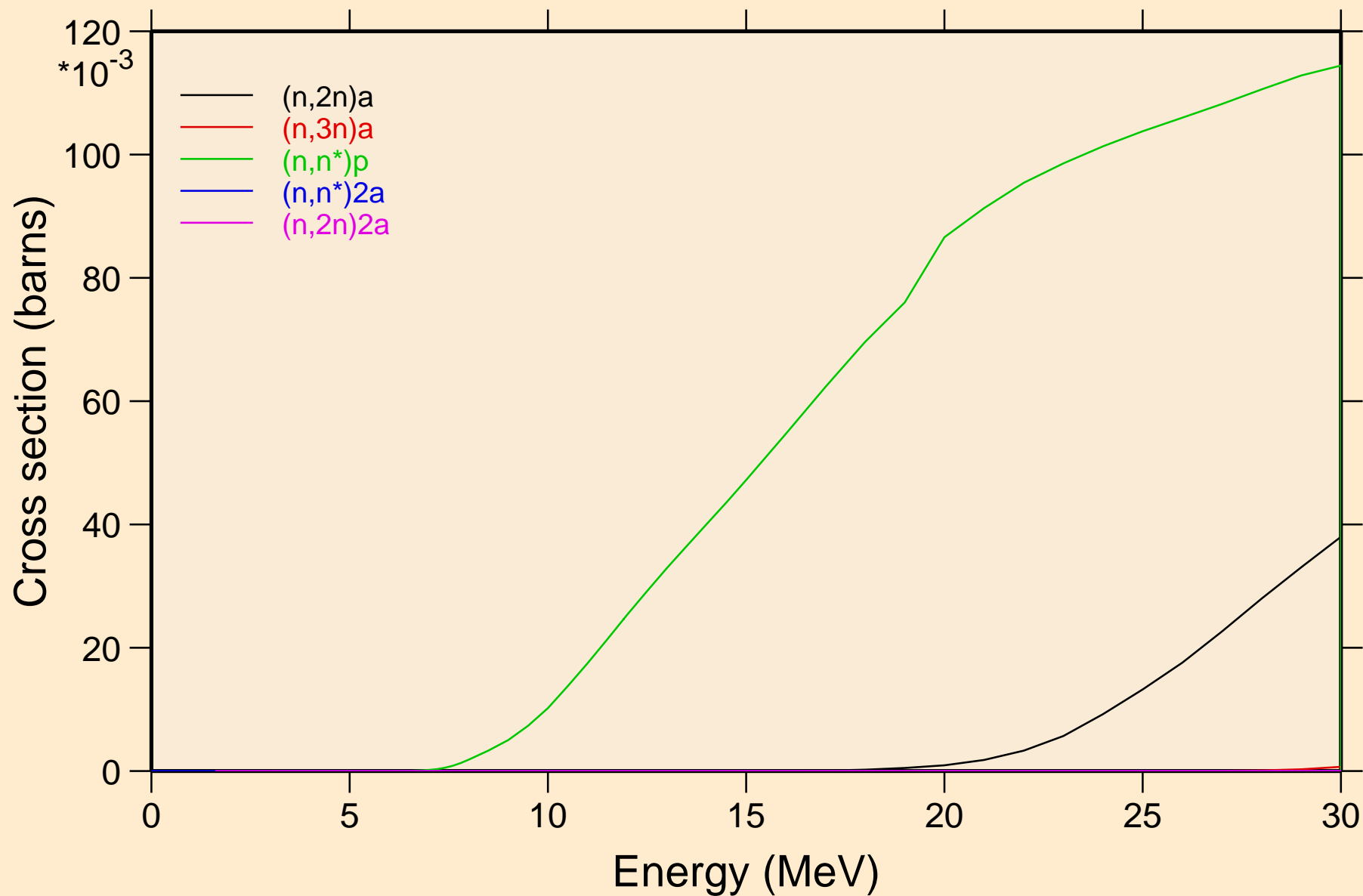




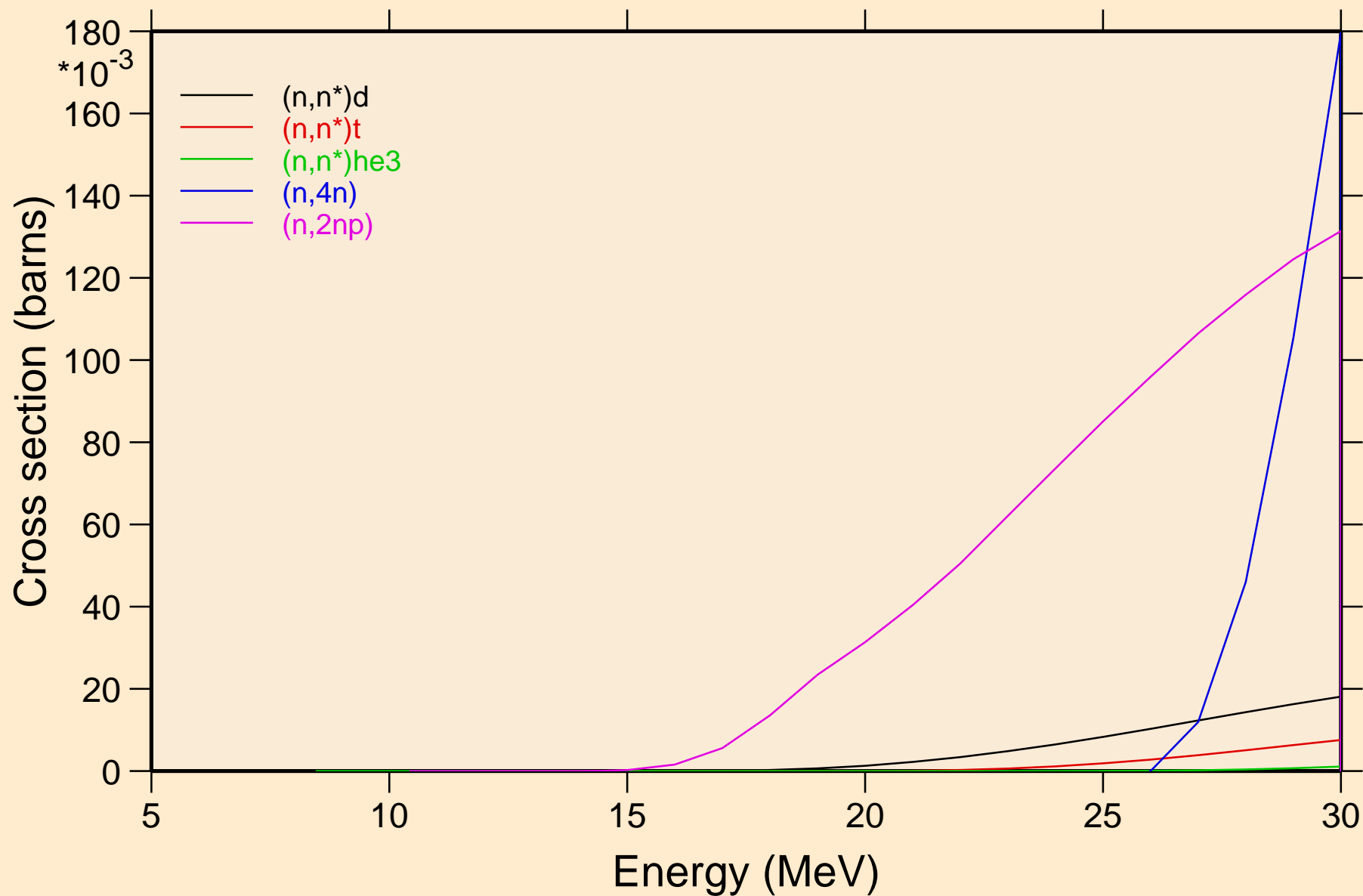
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



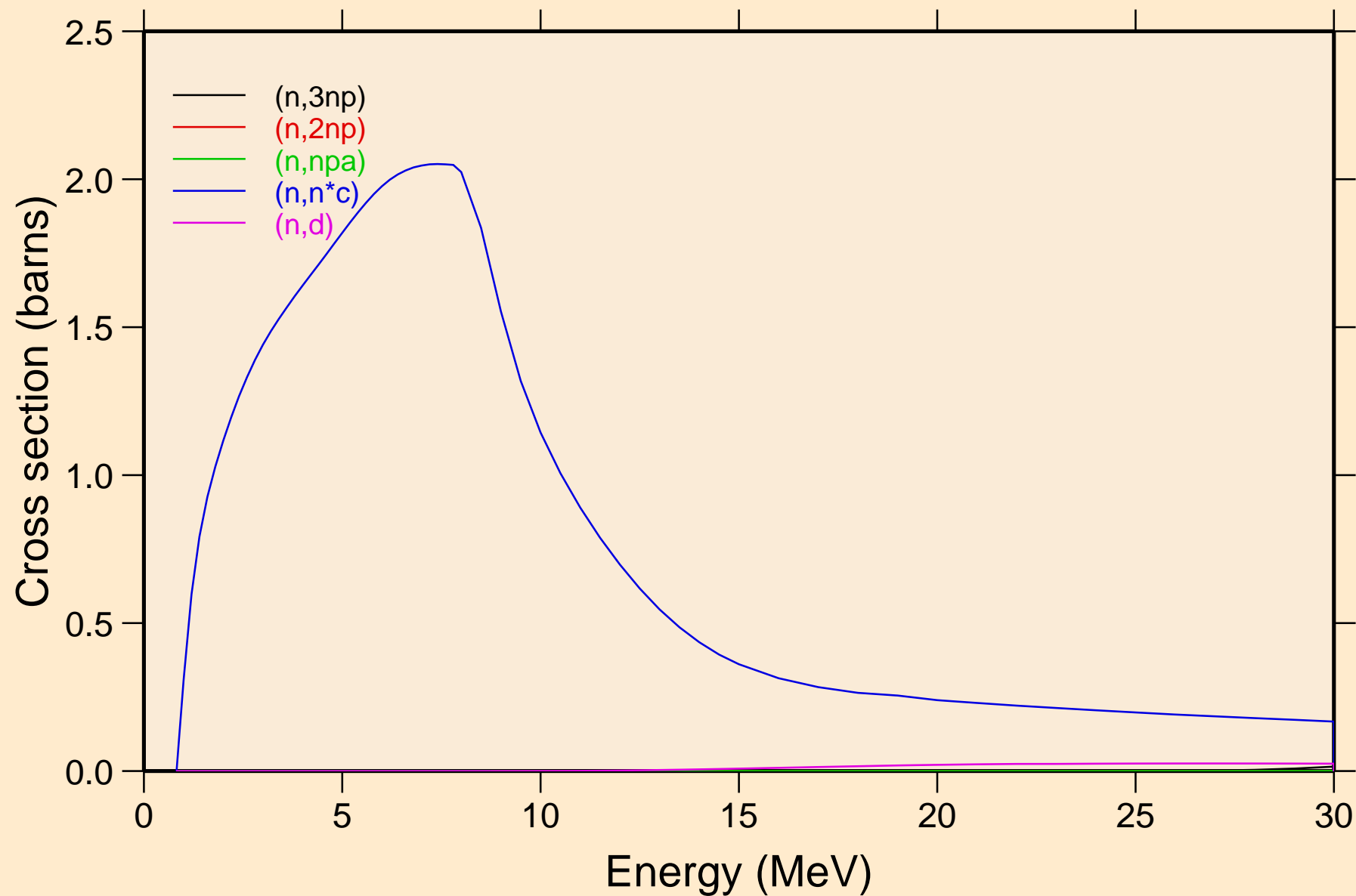
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



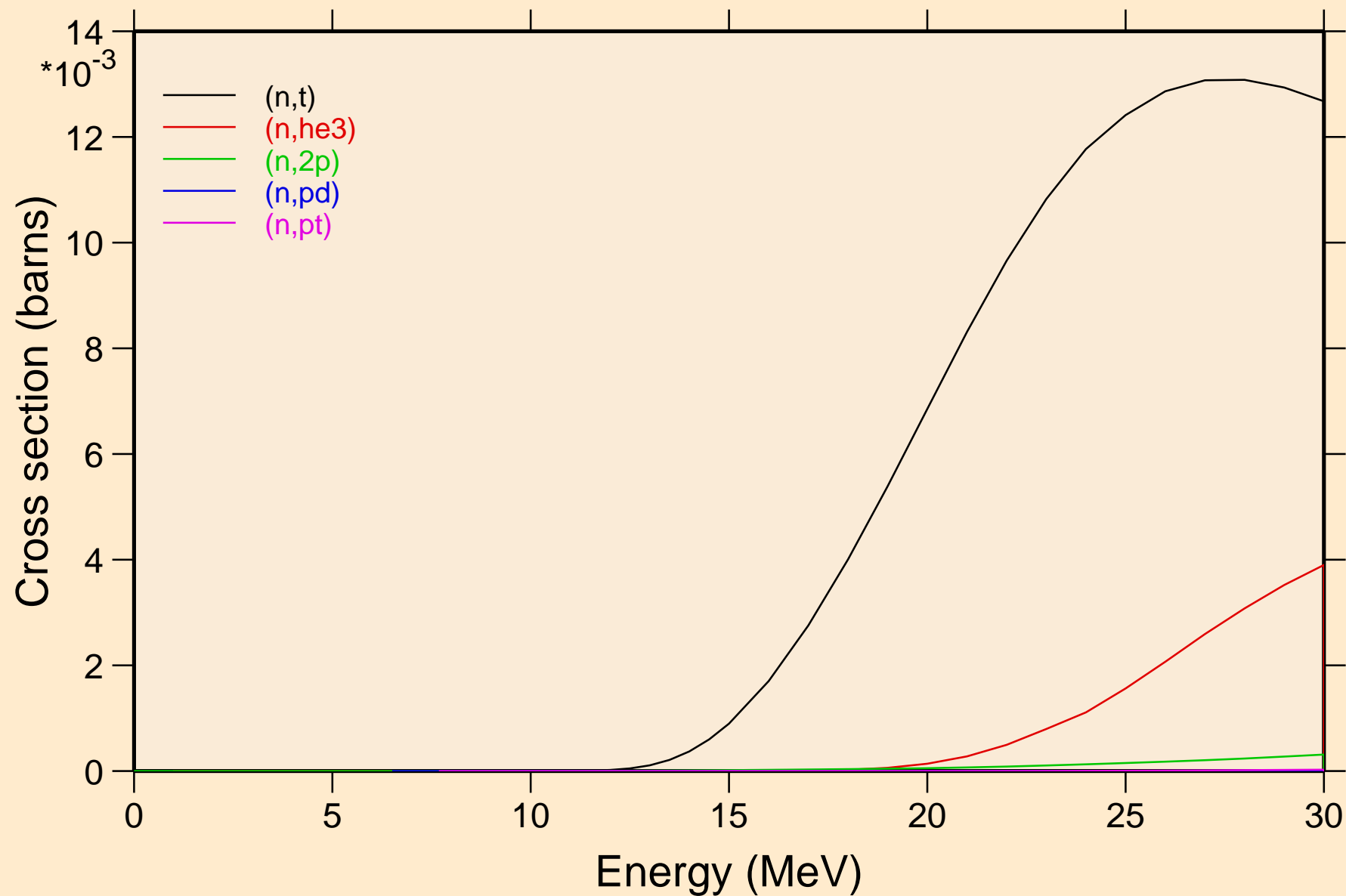
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



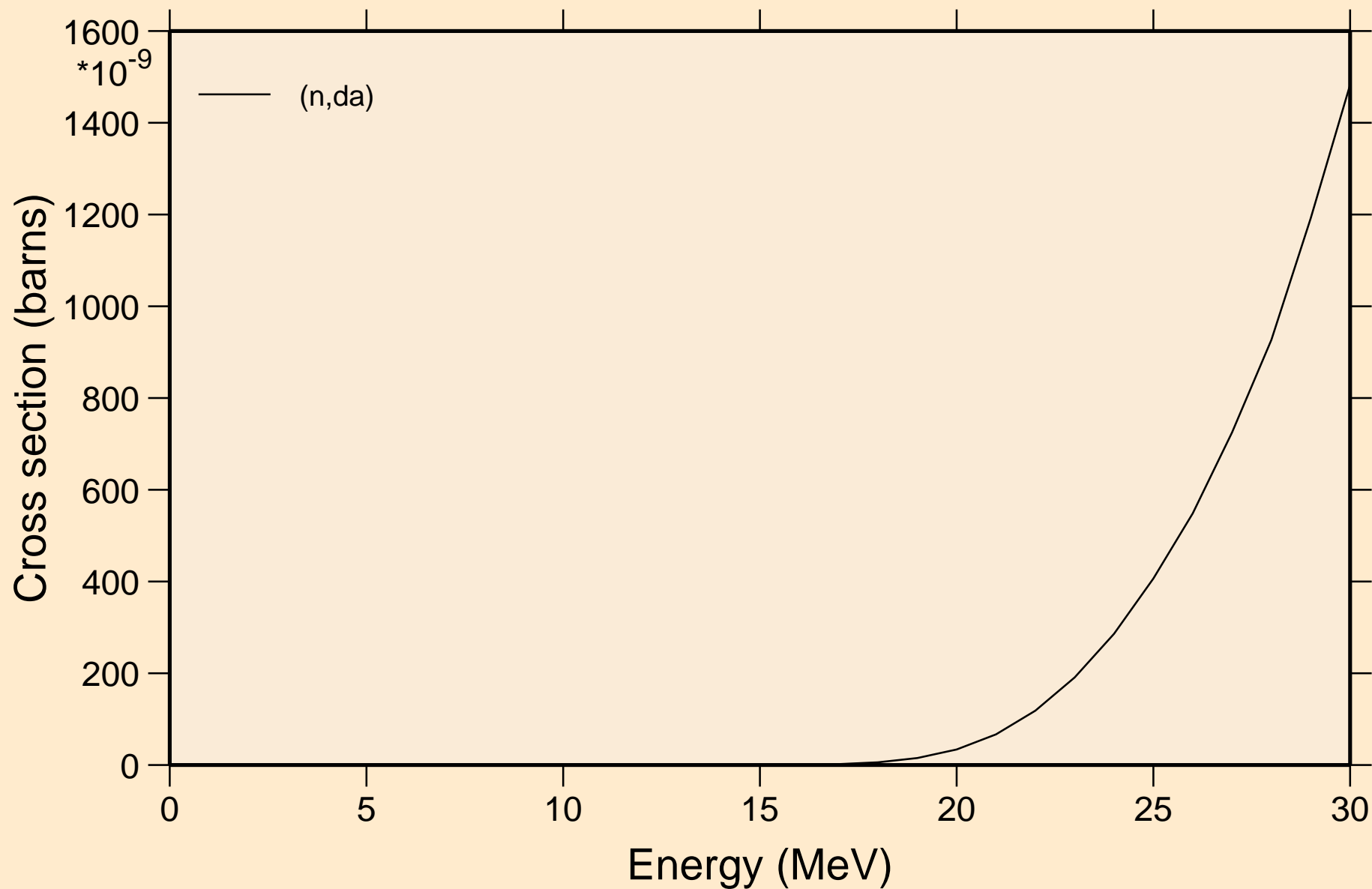
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



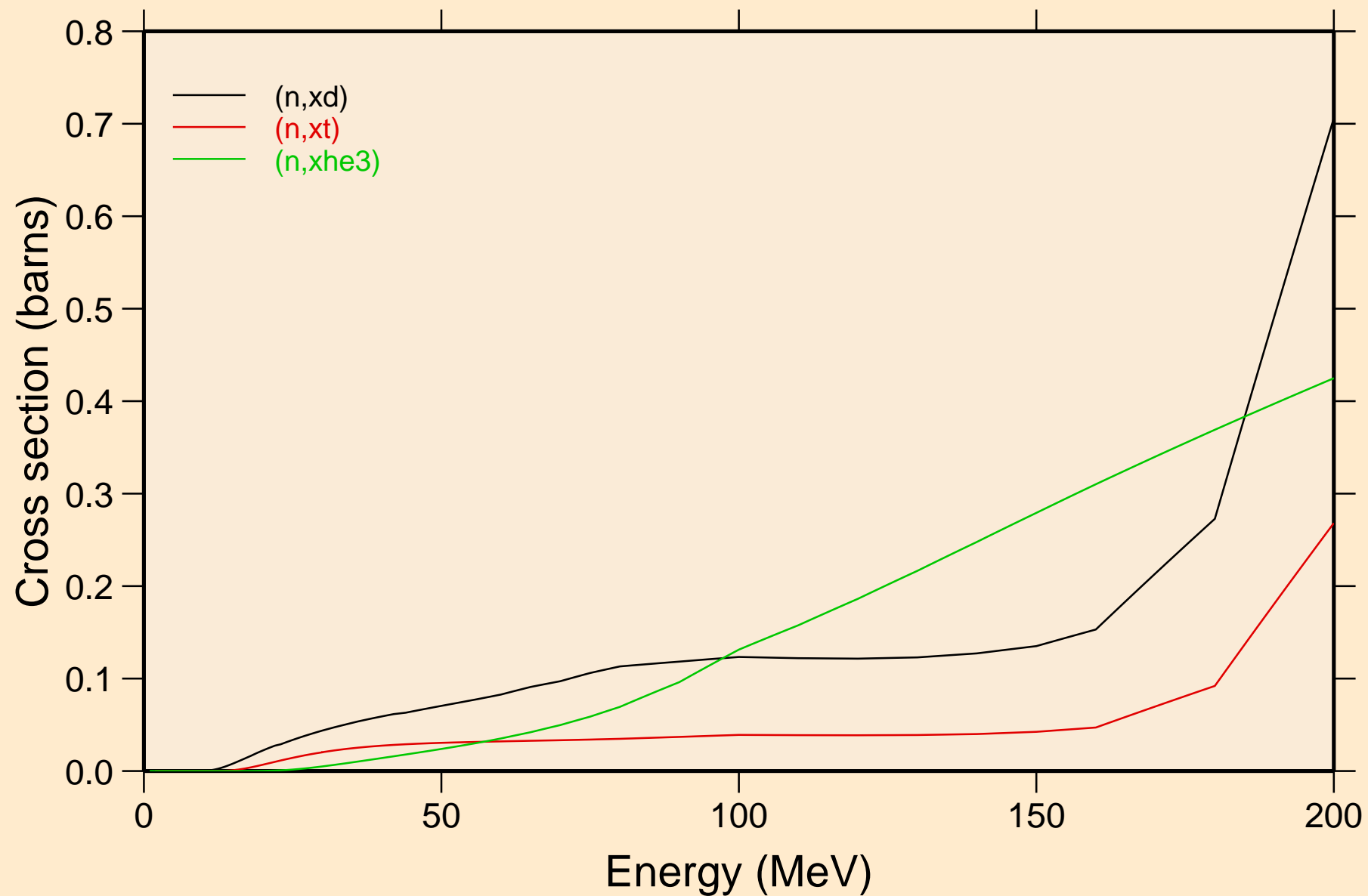
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



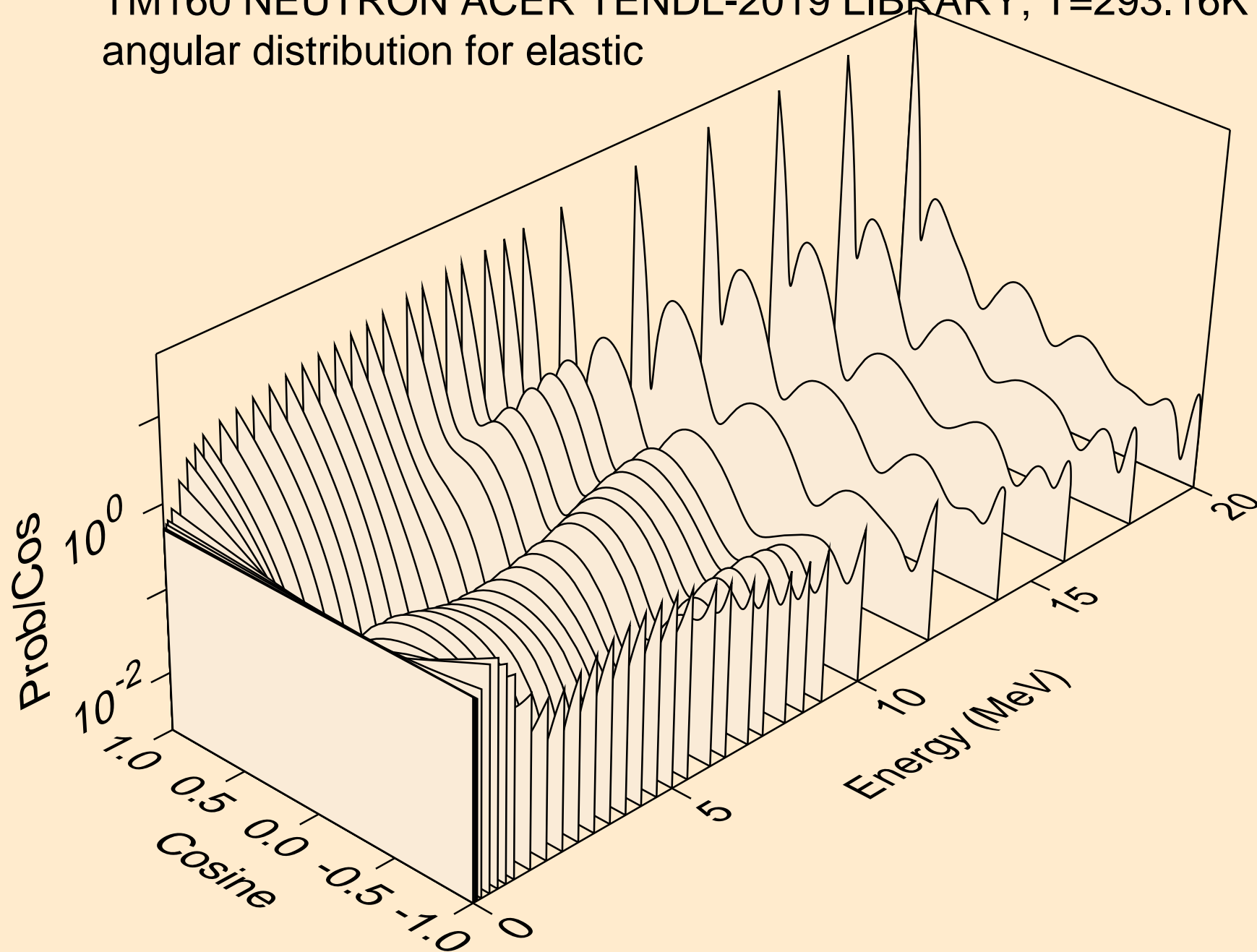
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

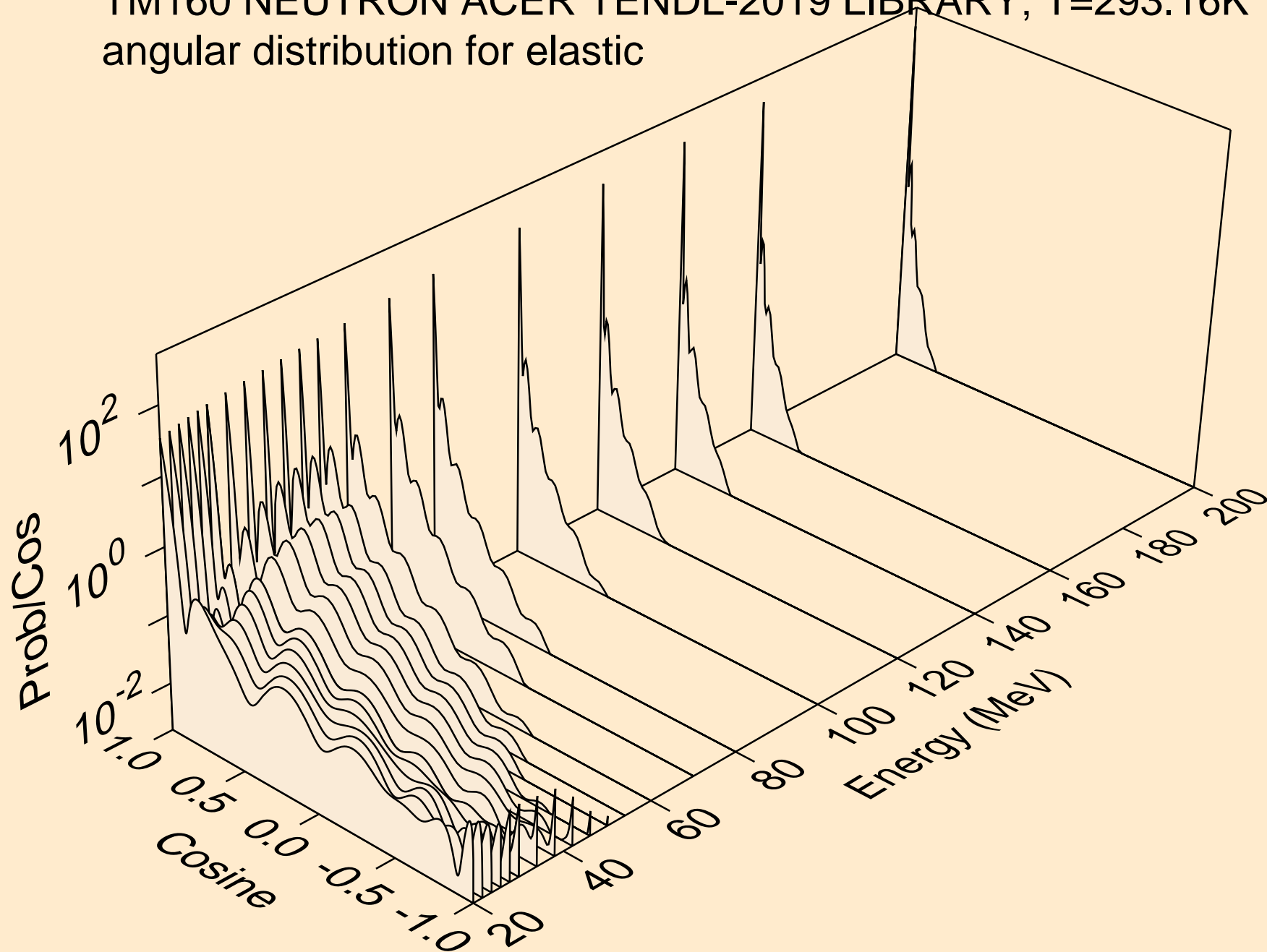


TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic

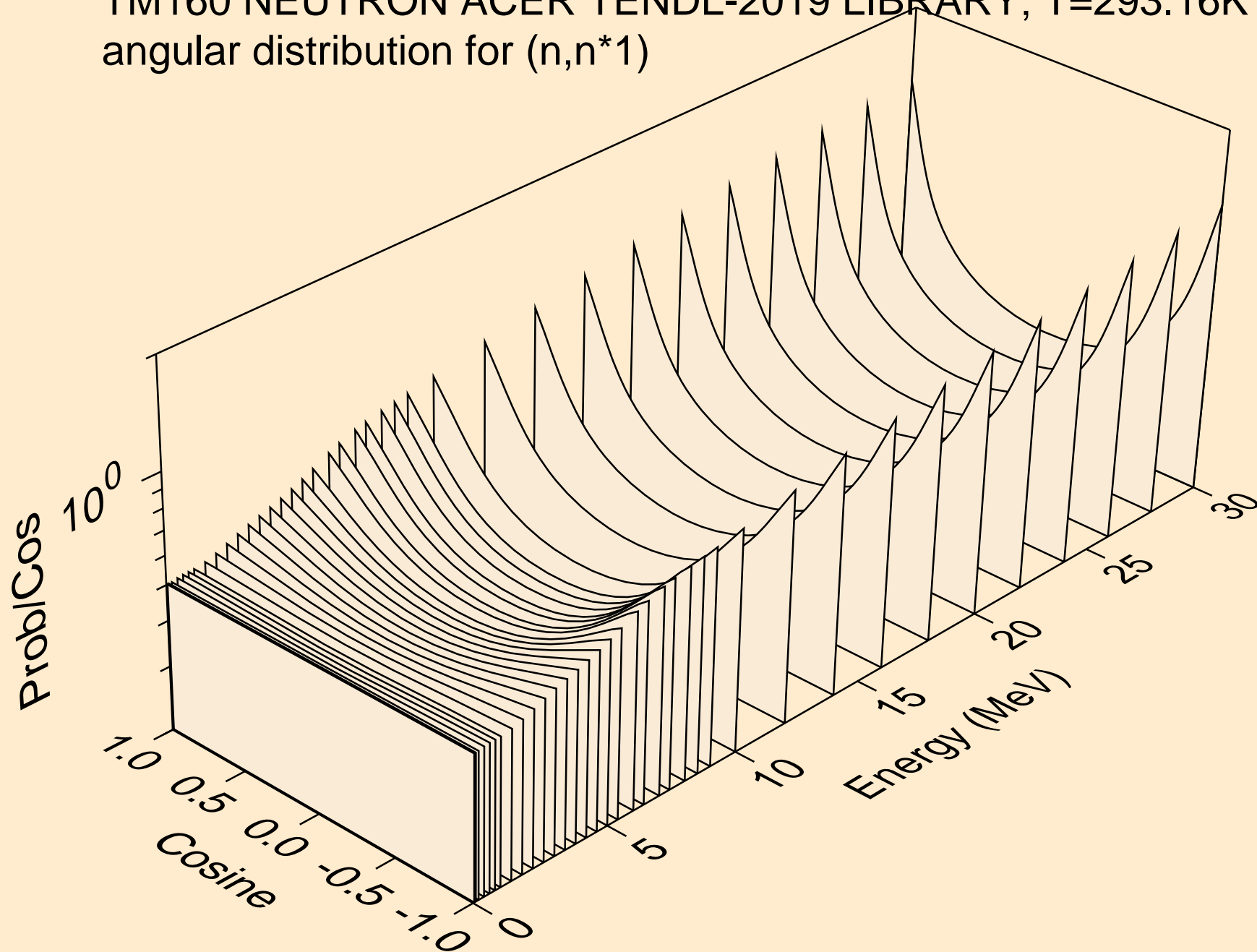




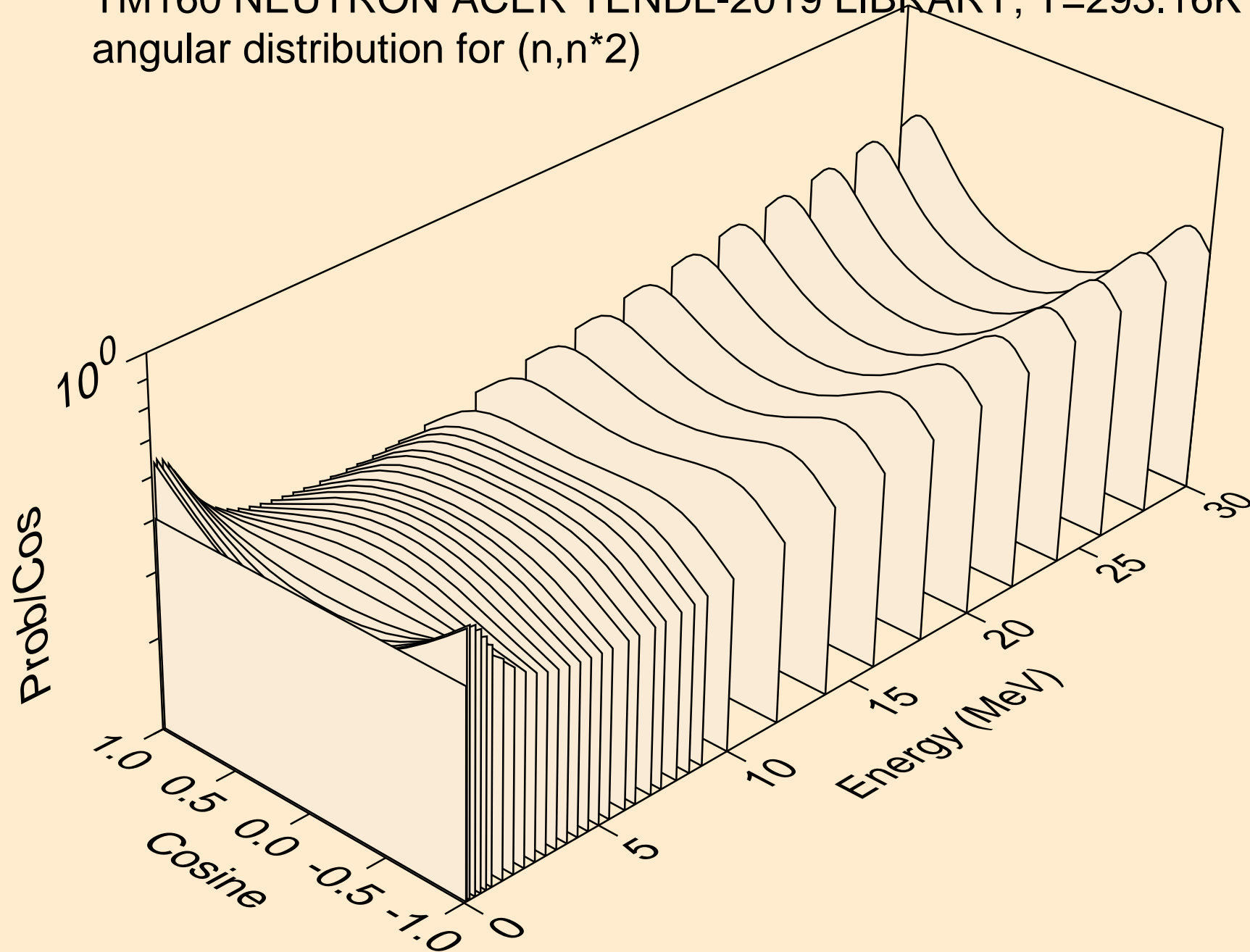
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic



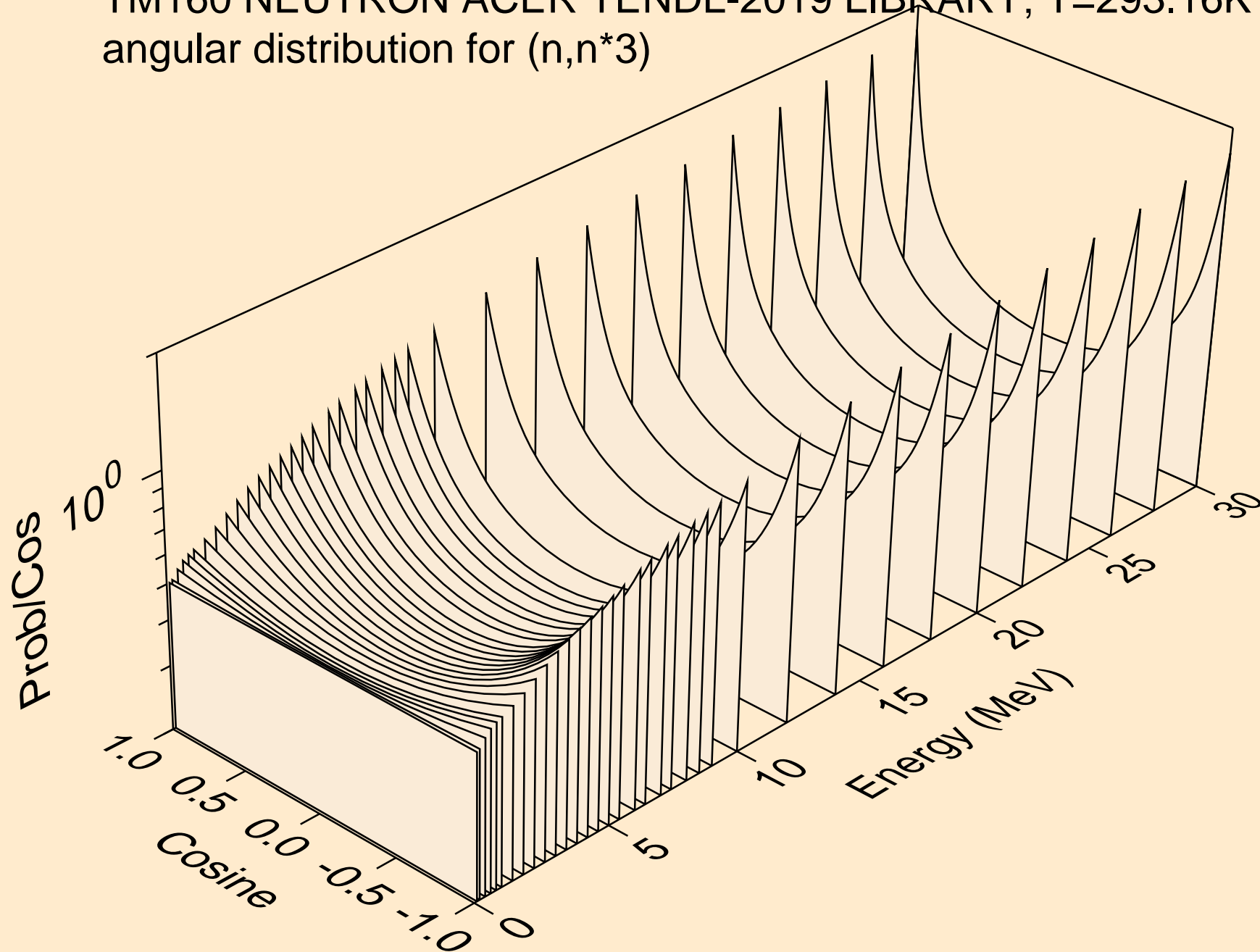
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*1)



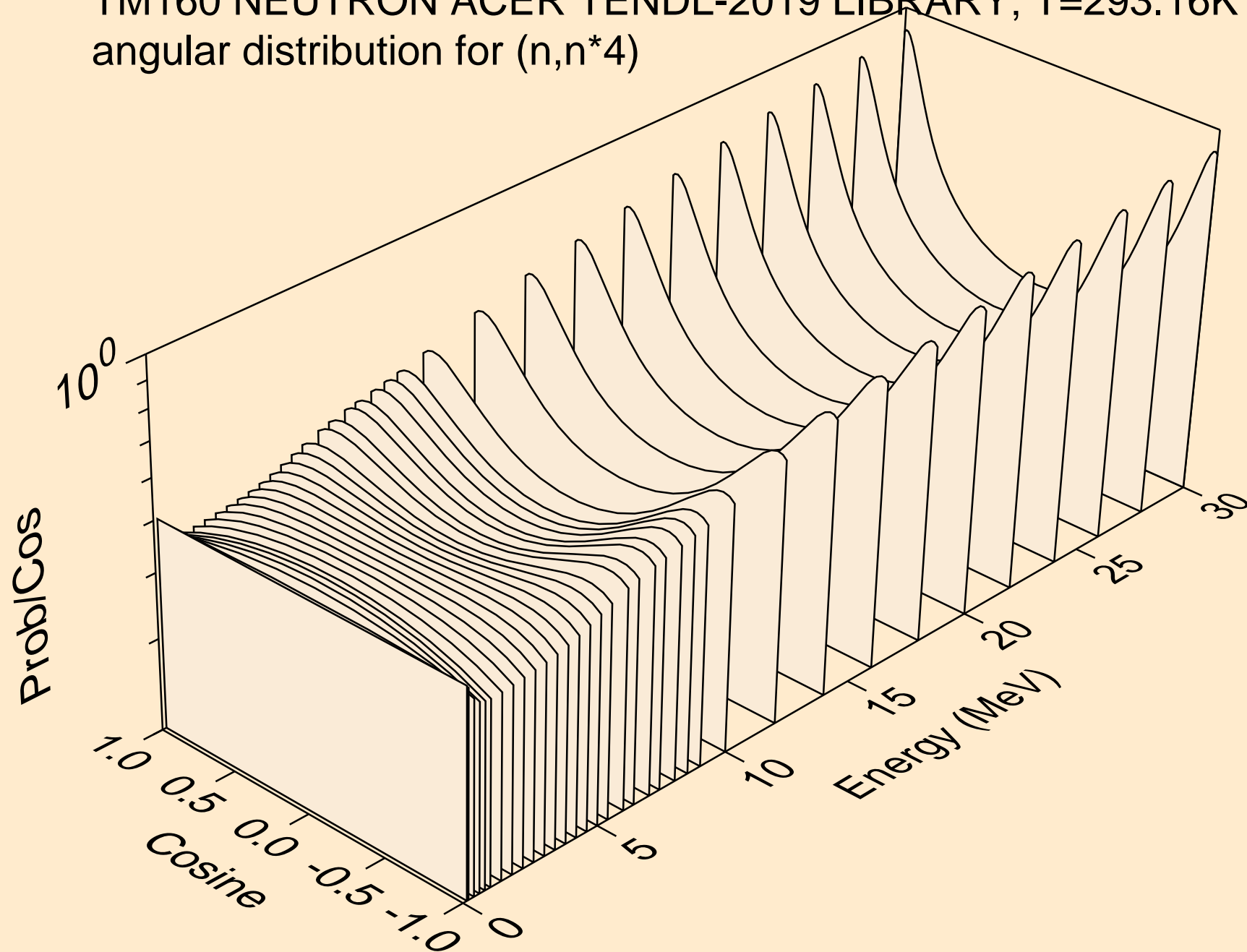
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*2)



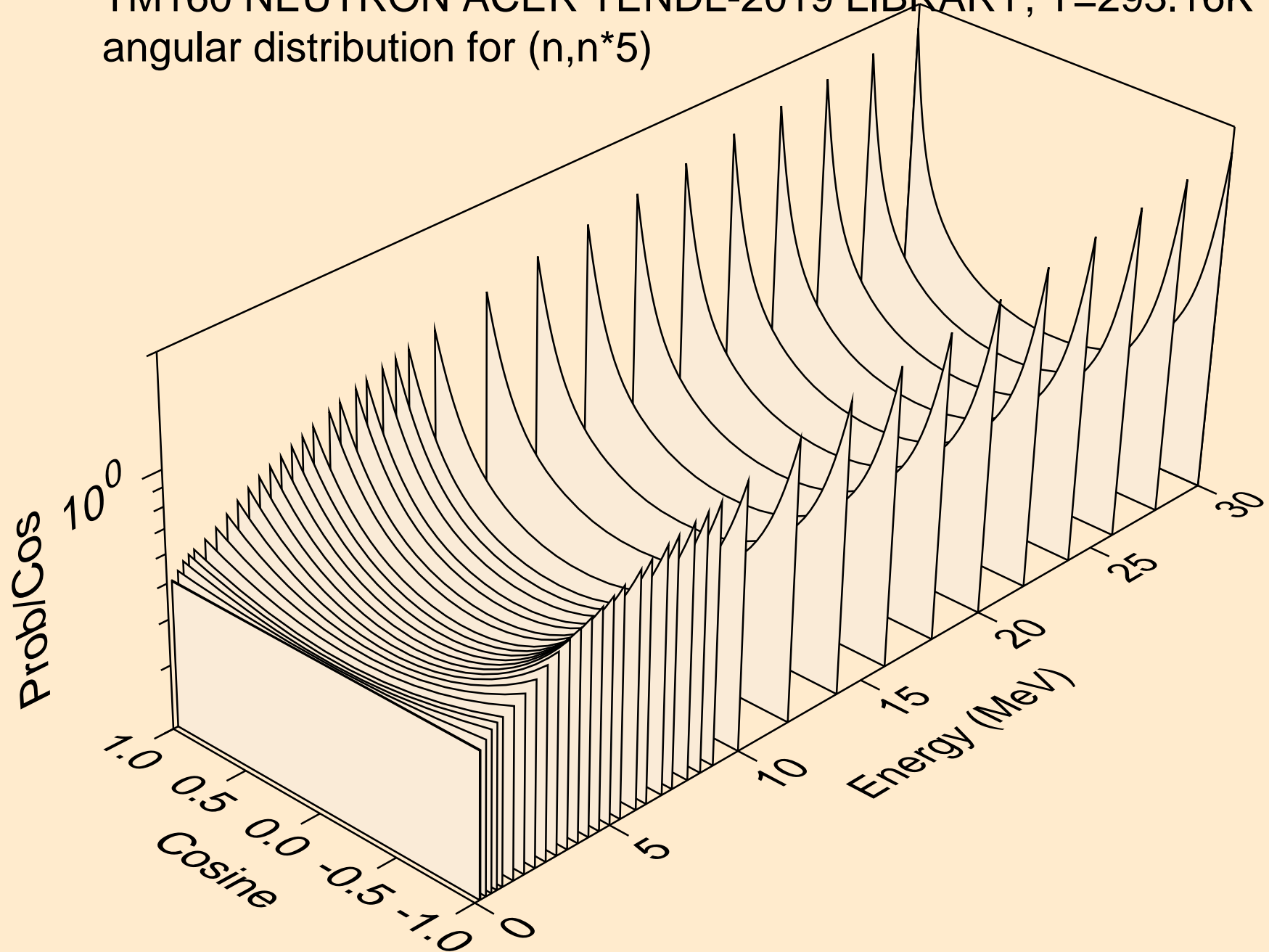
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*3)



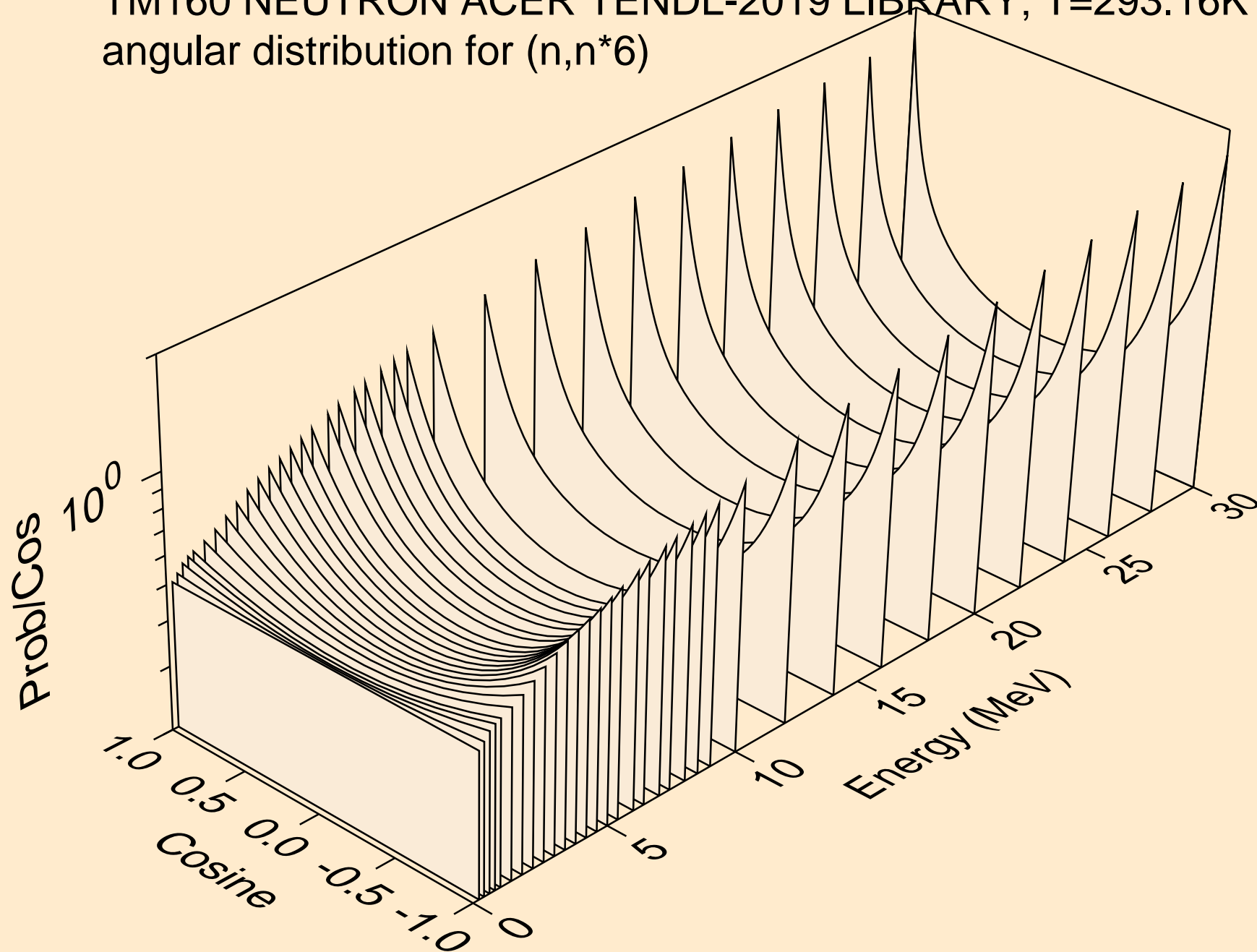
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*4)



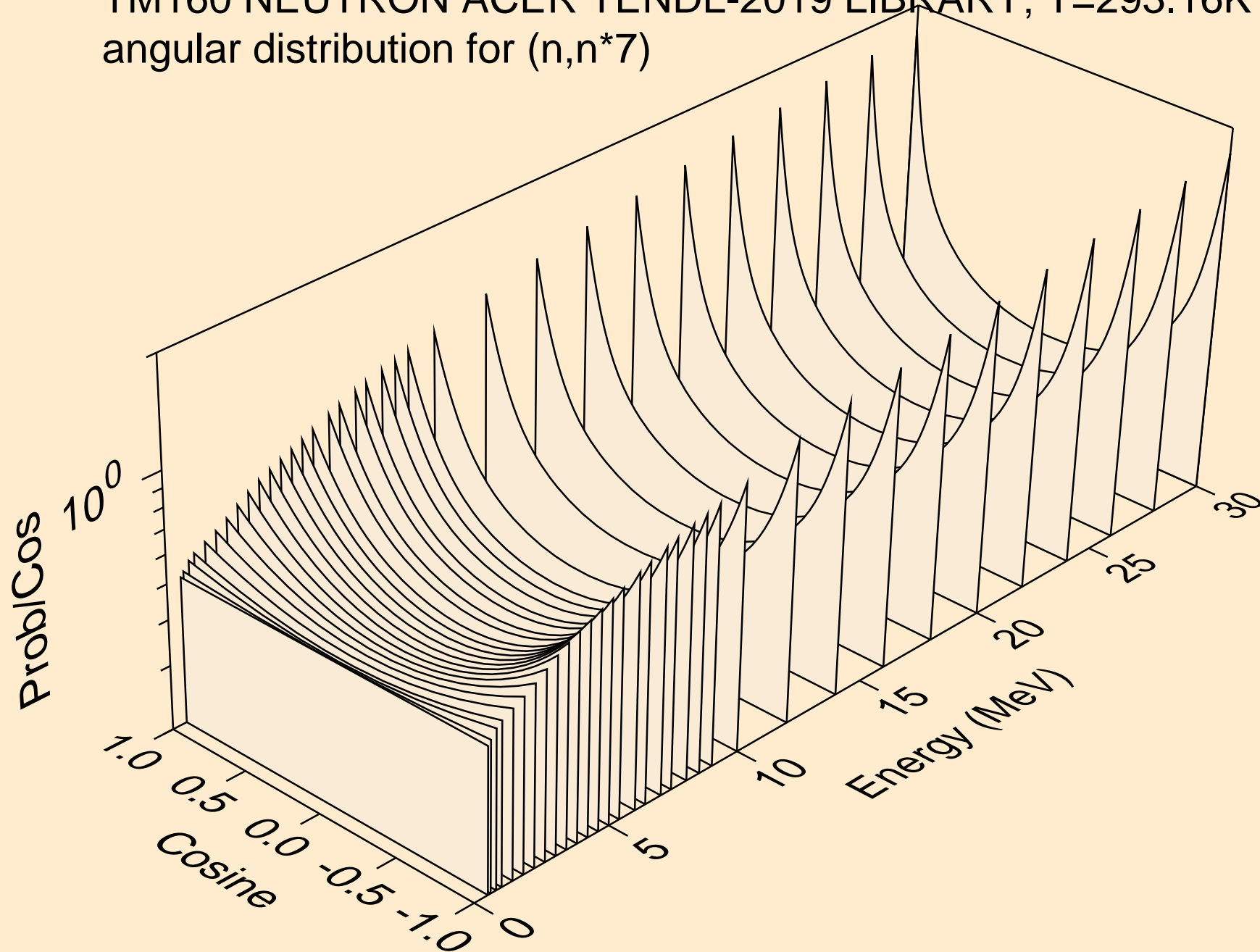
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*5)



TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*6)

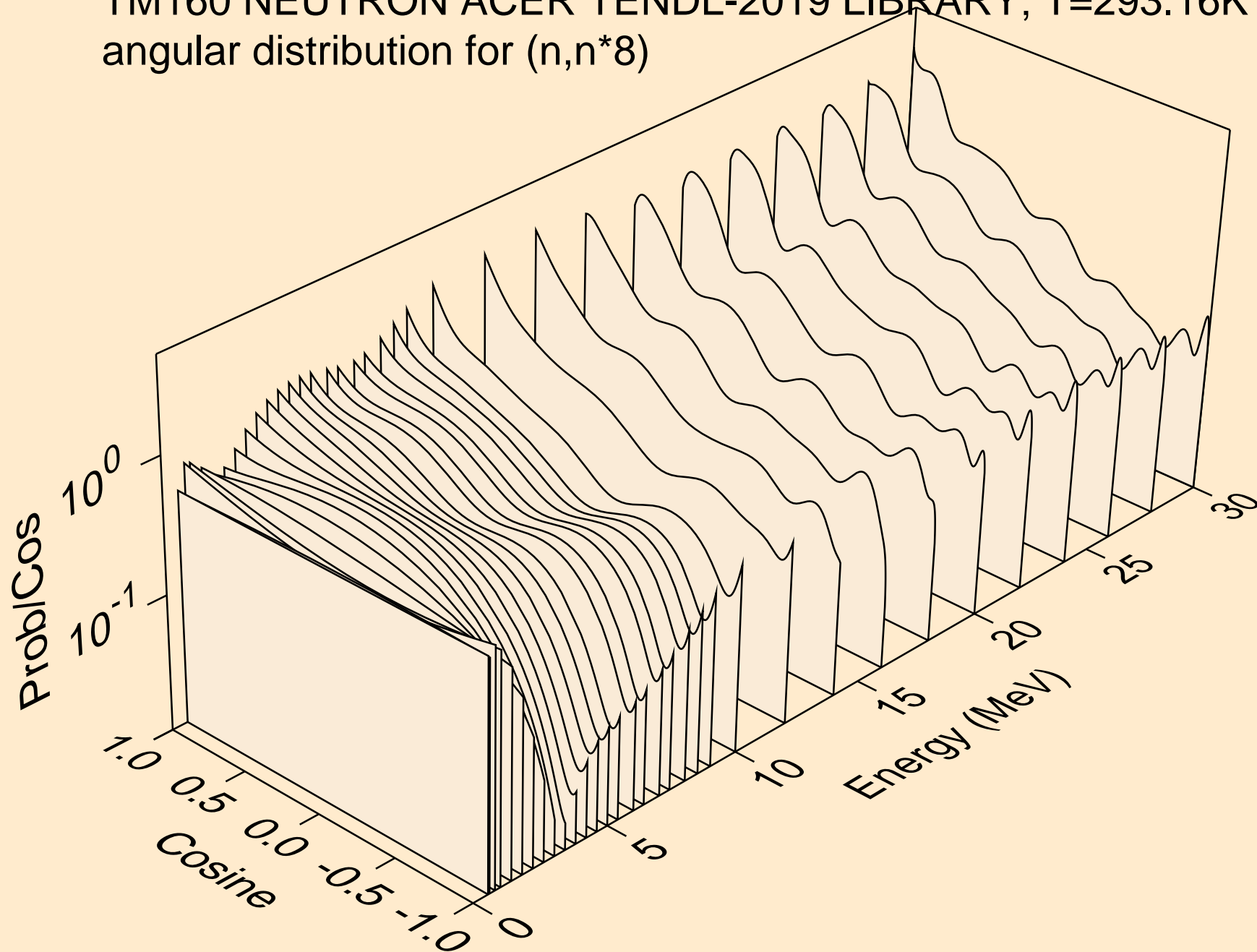


TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*7)

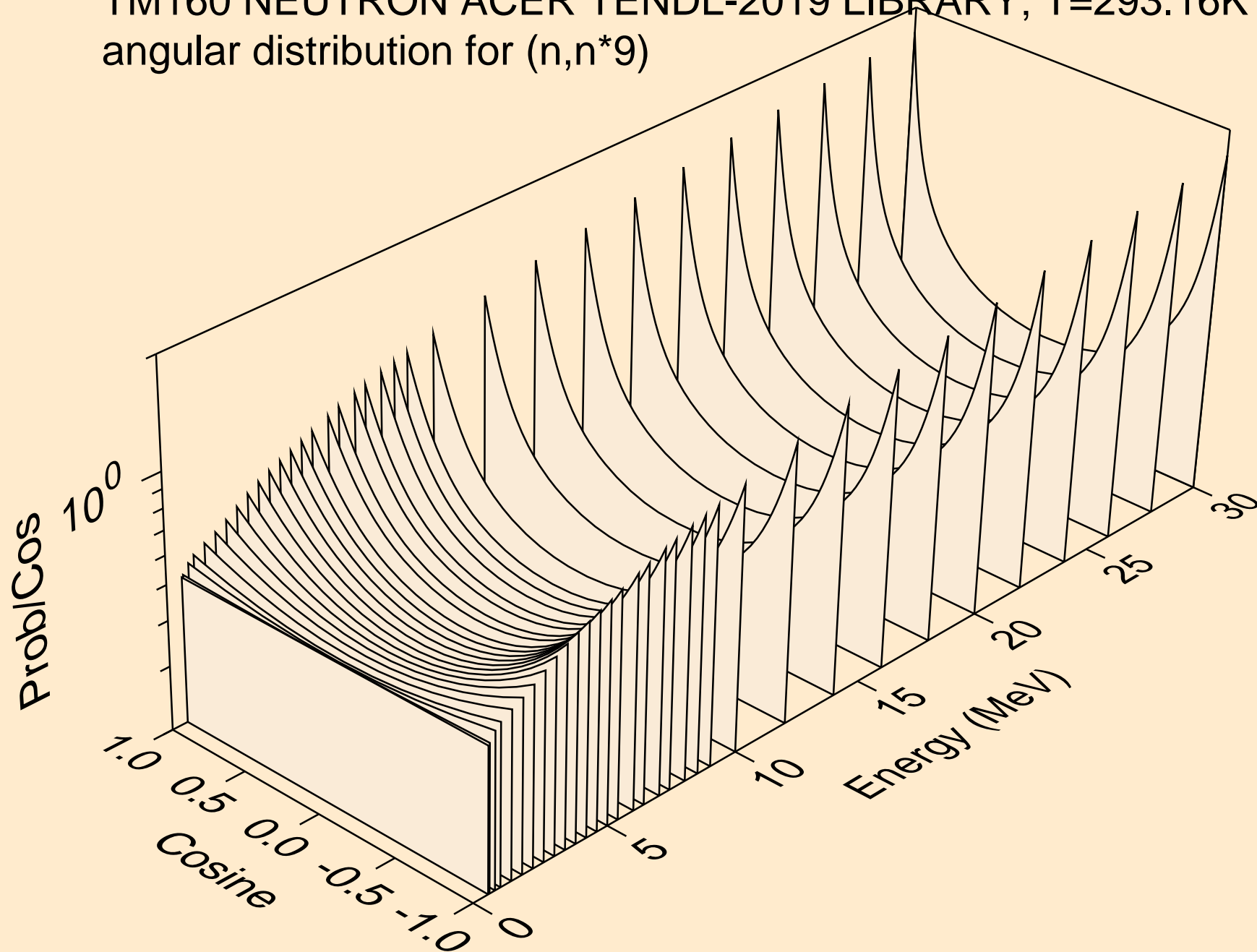




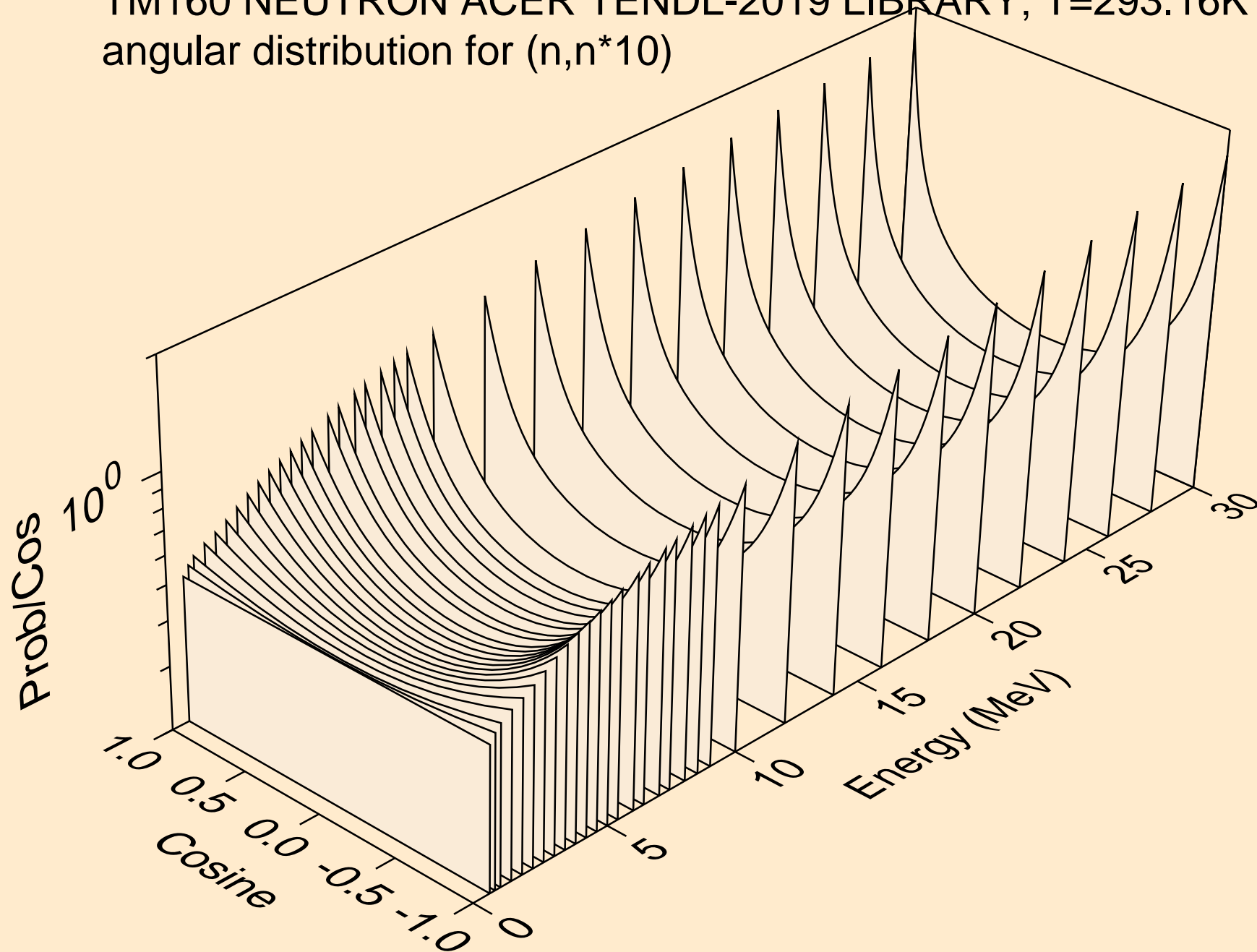
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*8)



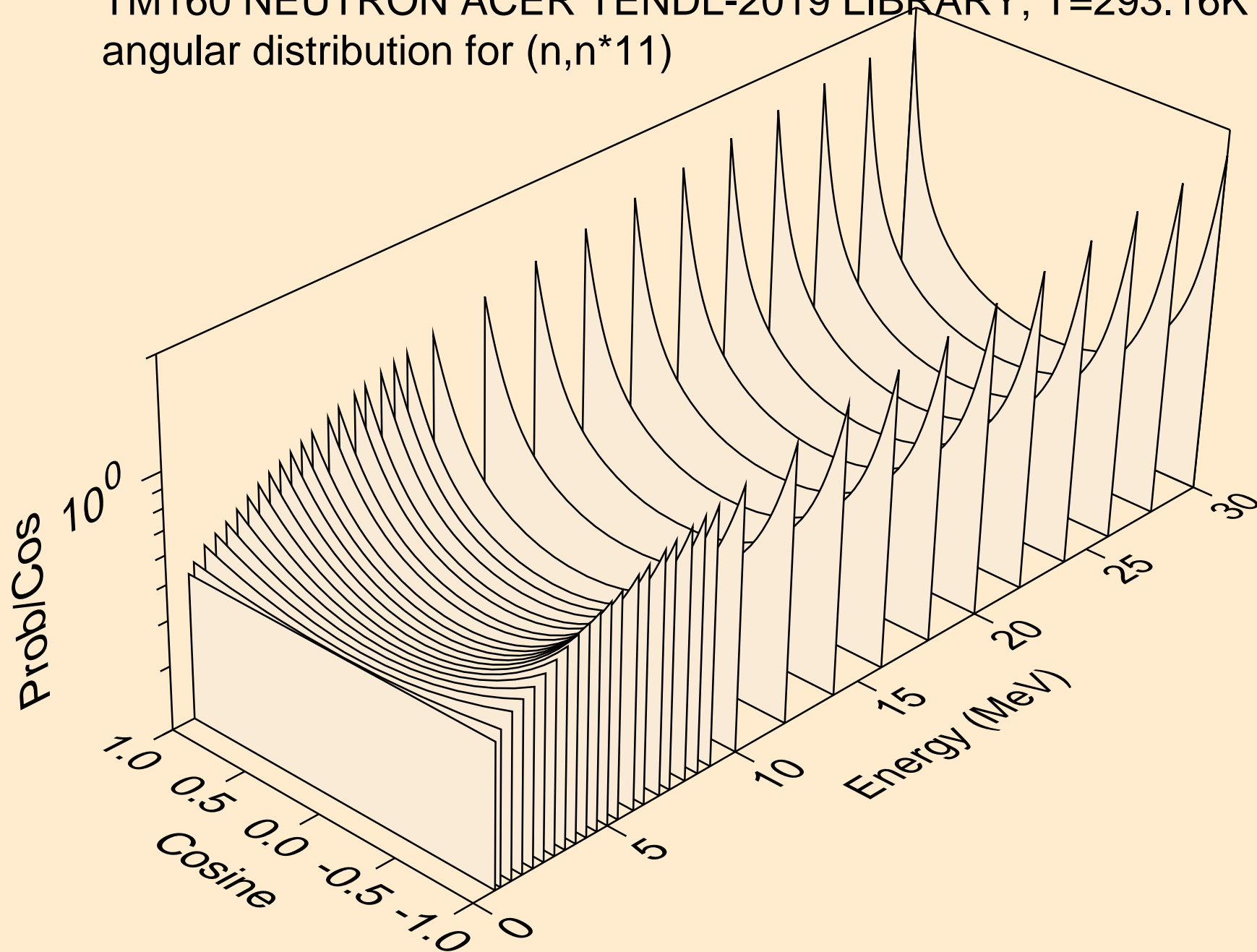
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*9)



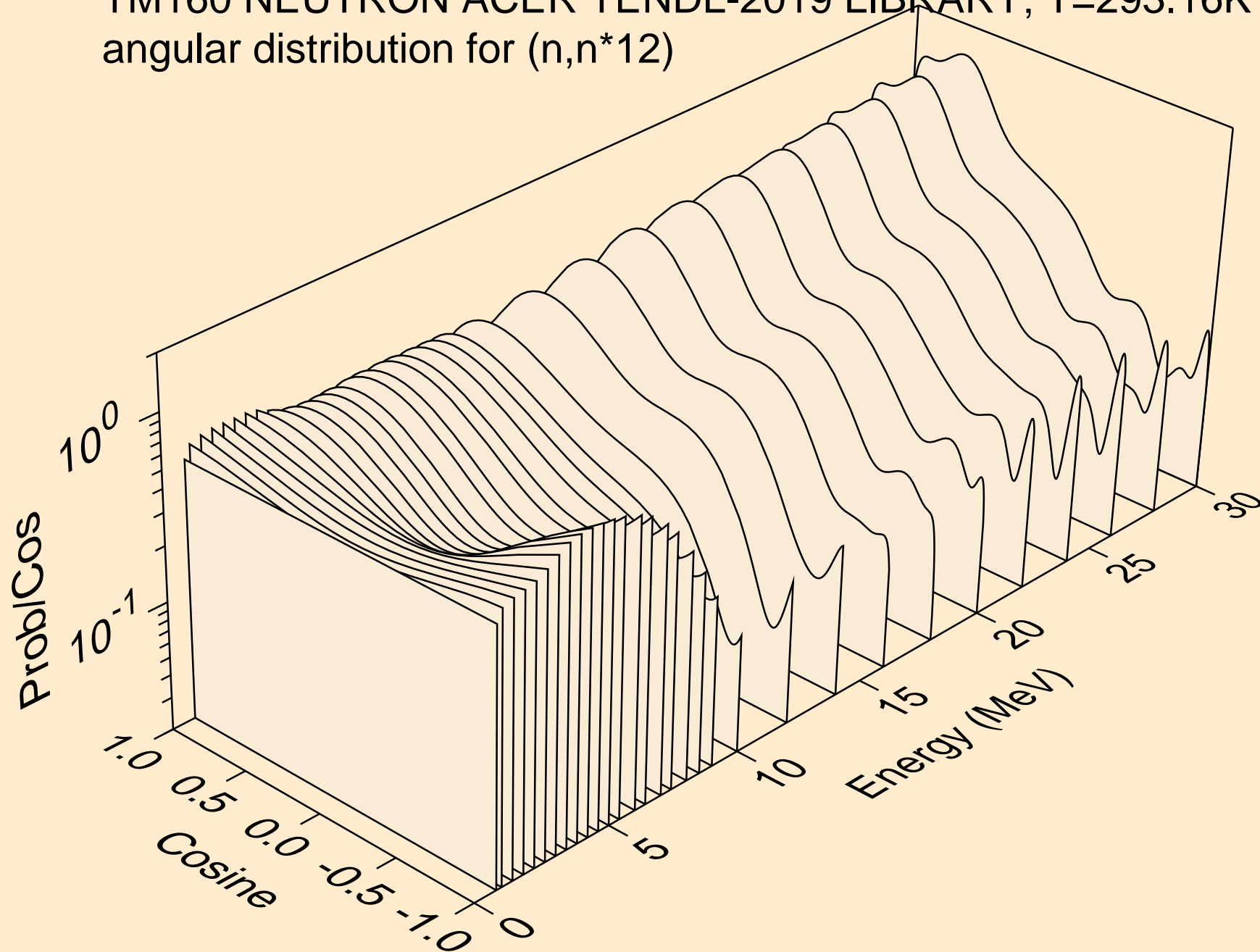
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*10)



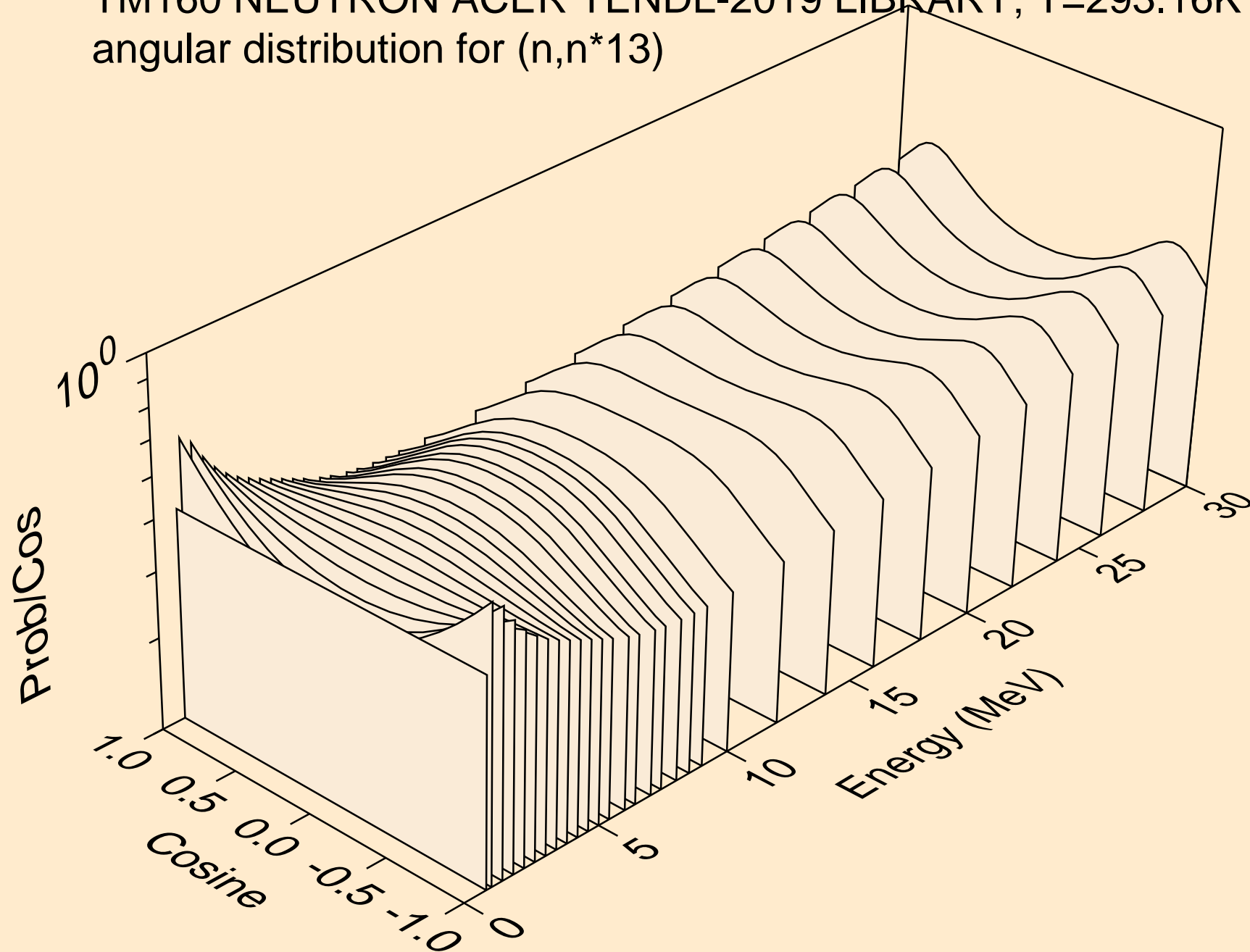
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*11)



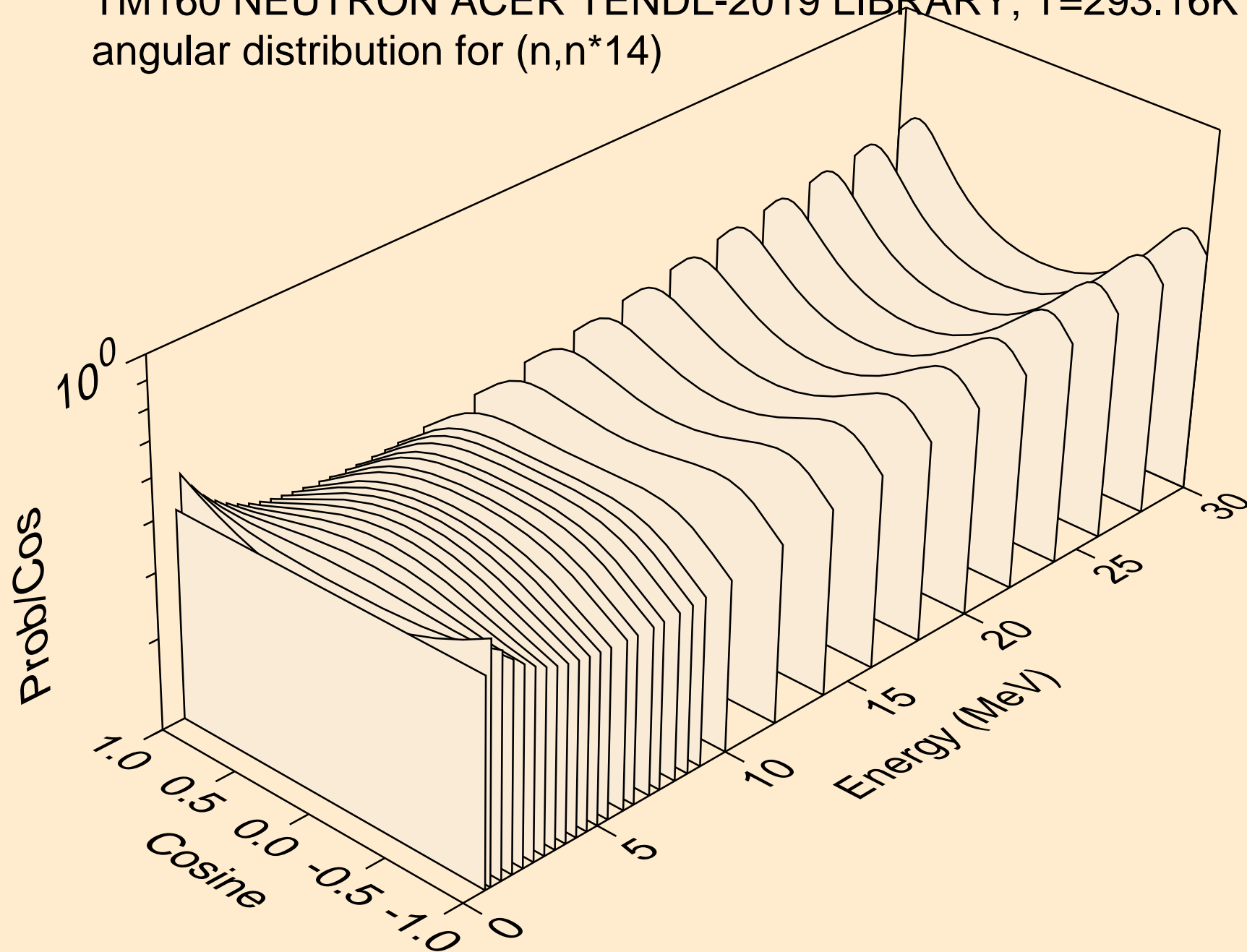
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*12)



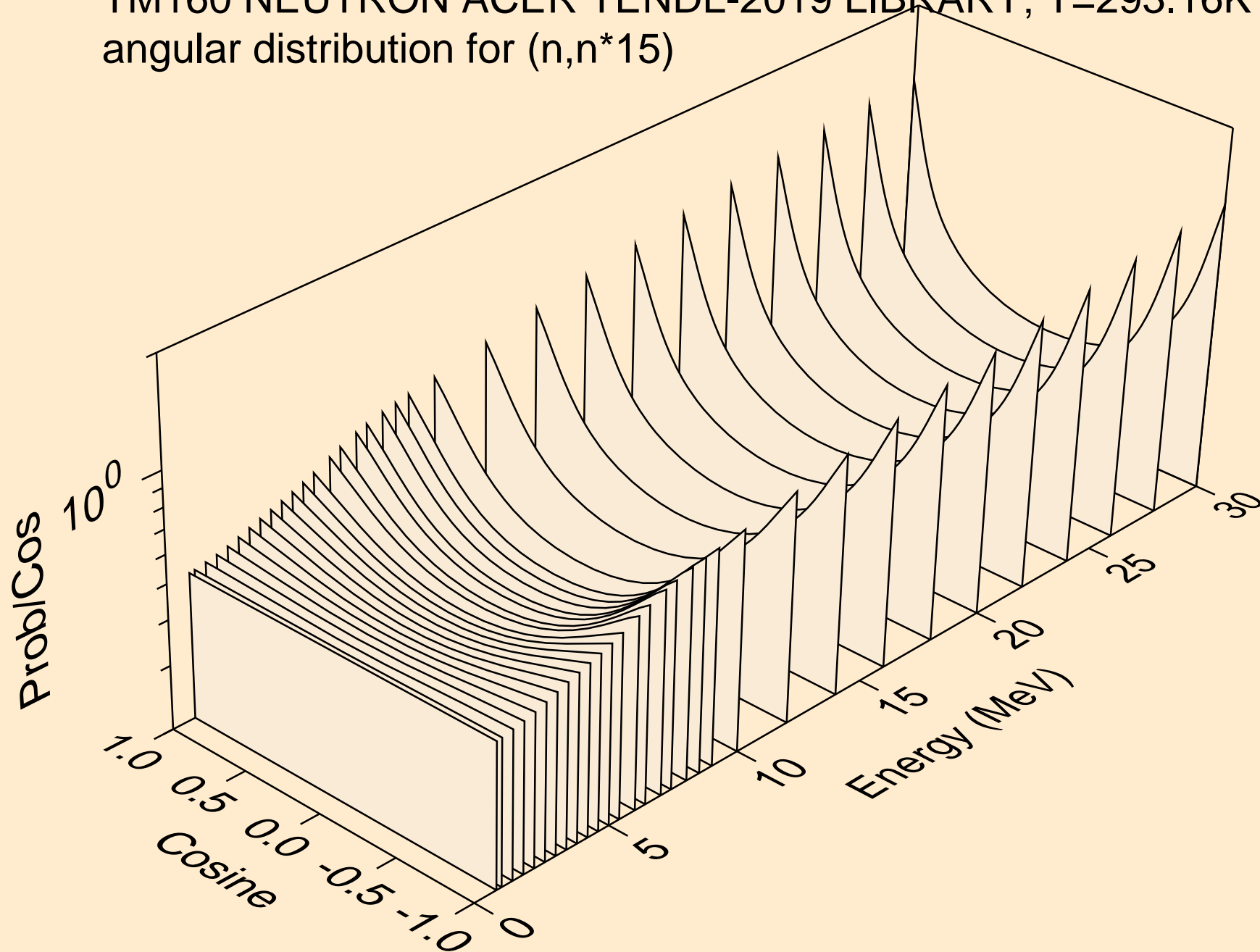
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*13)



TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*14)

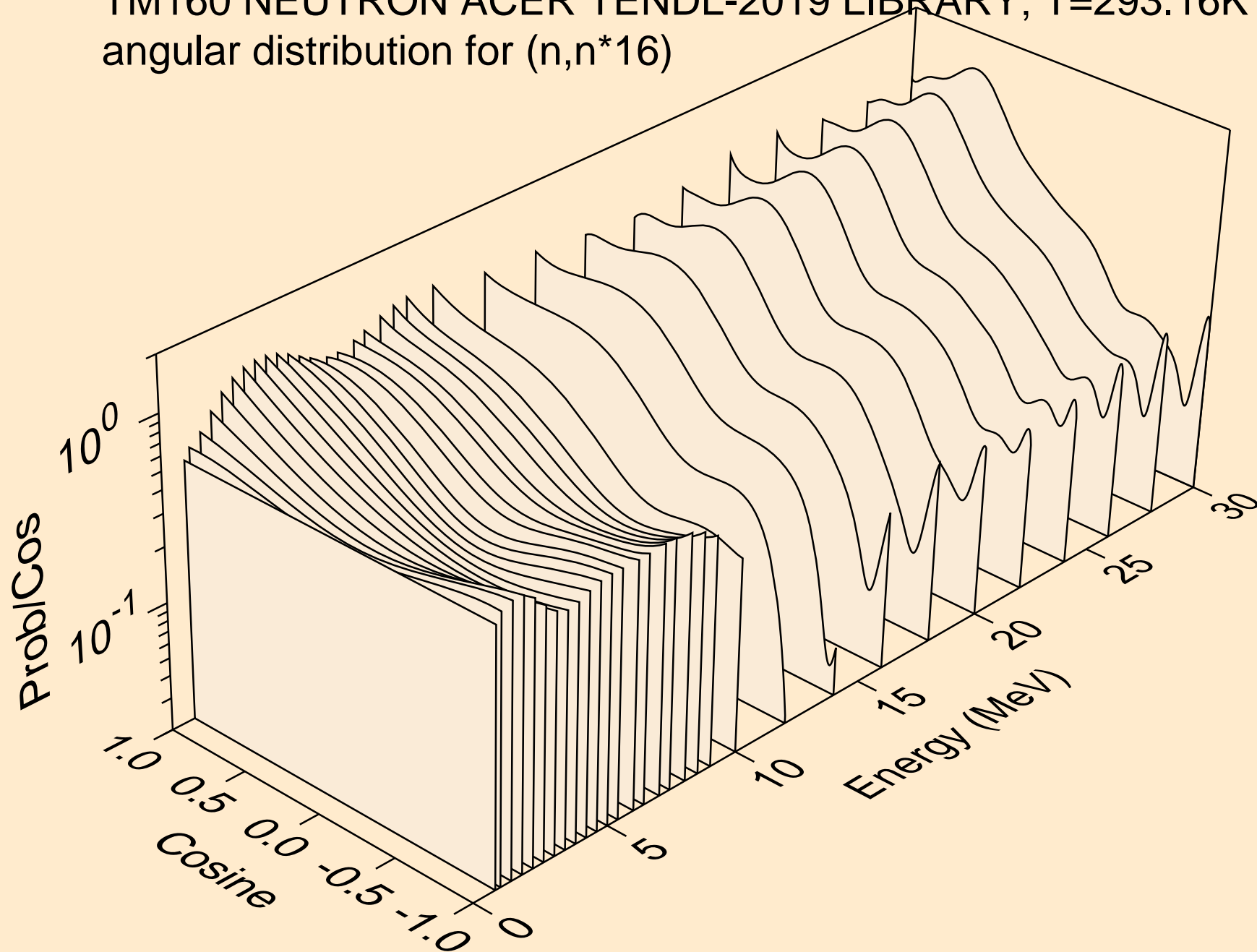


TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*15)

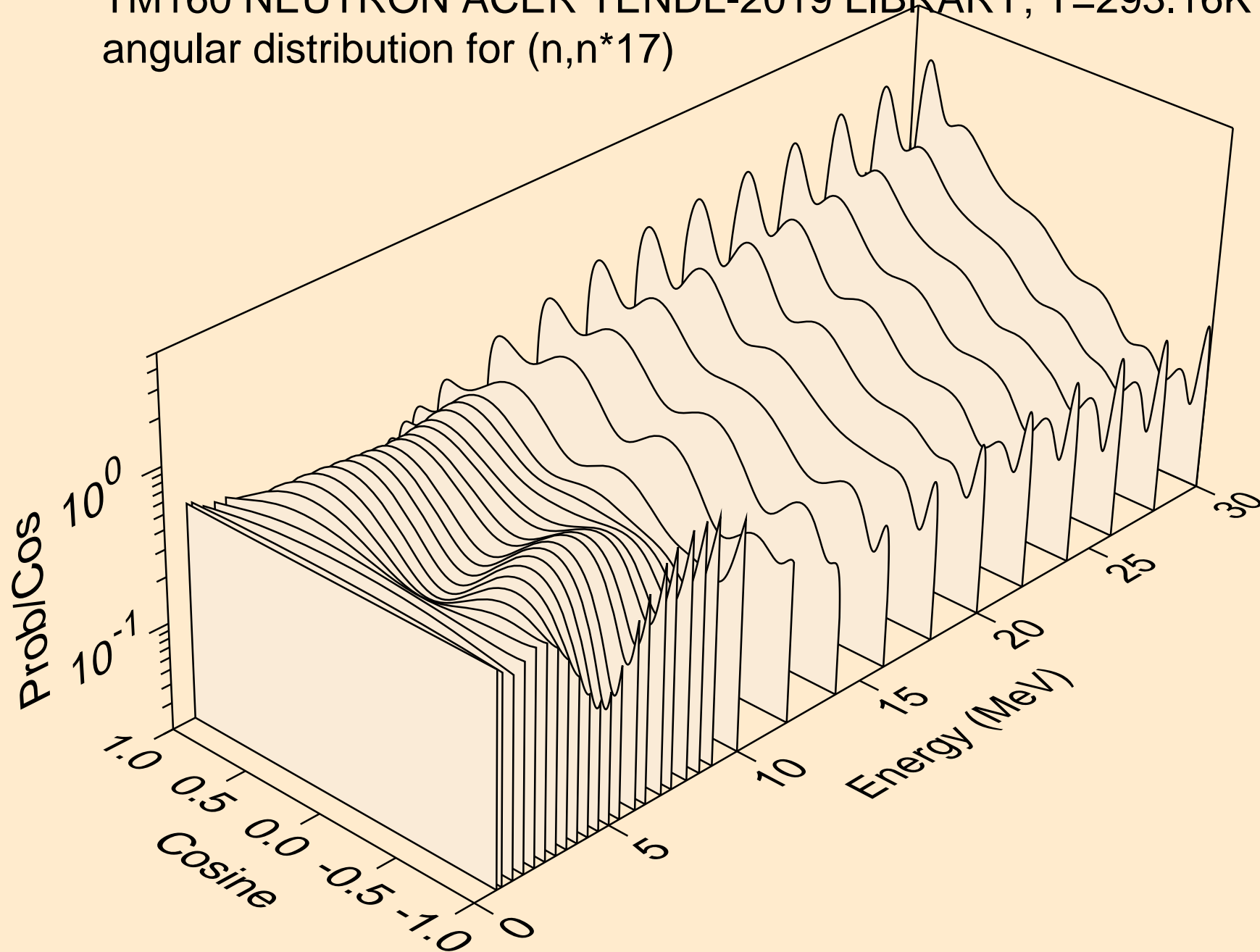




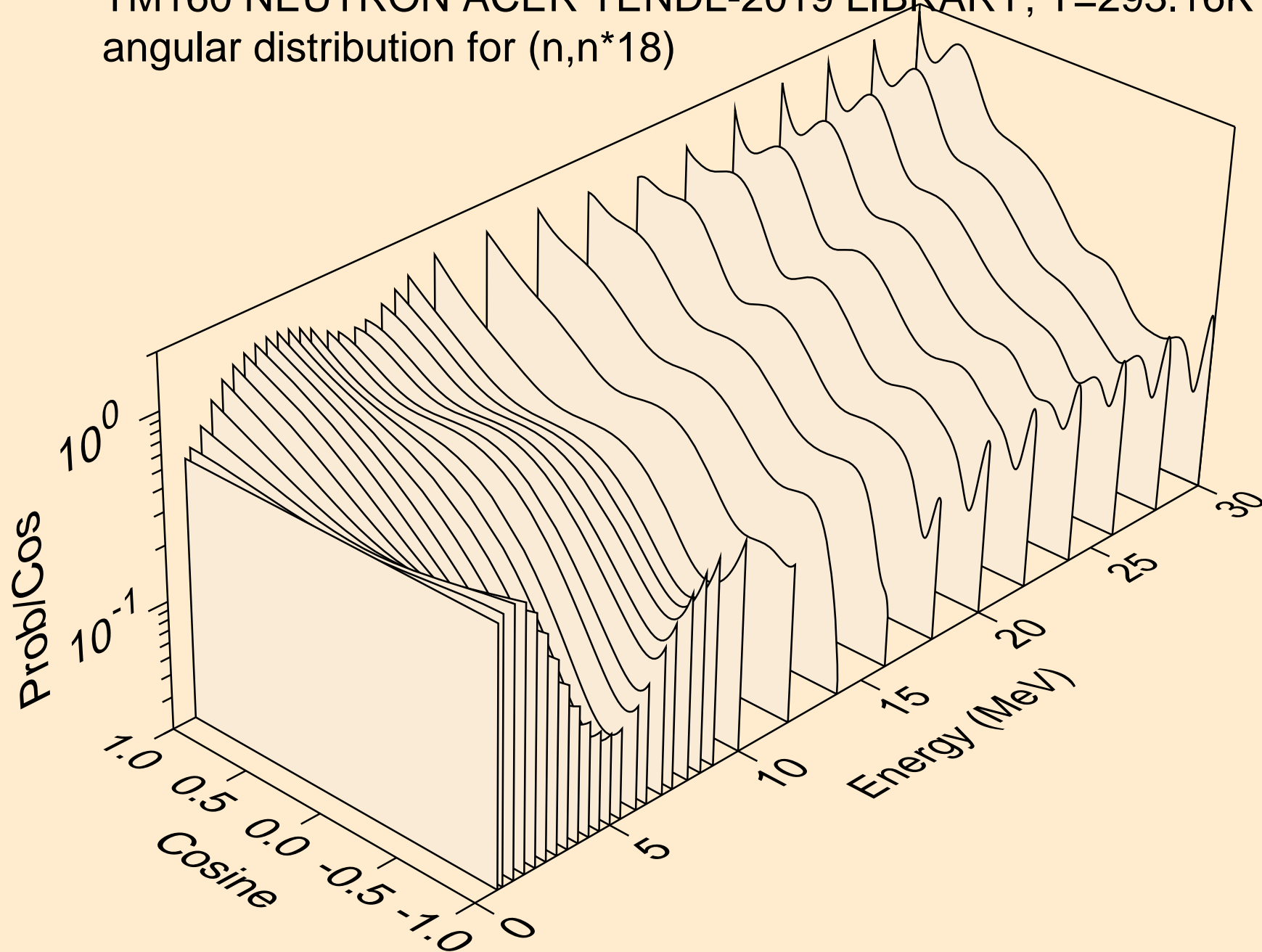
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*16)



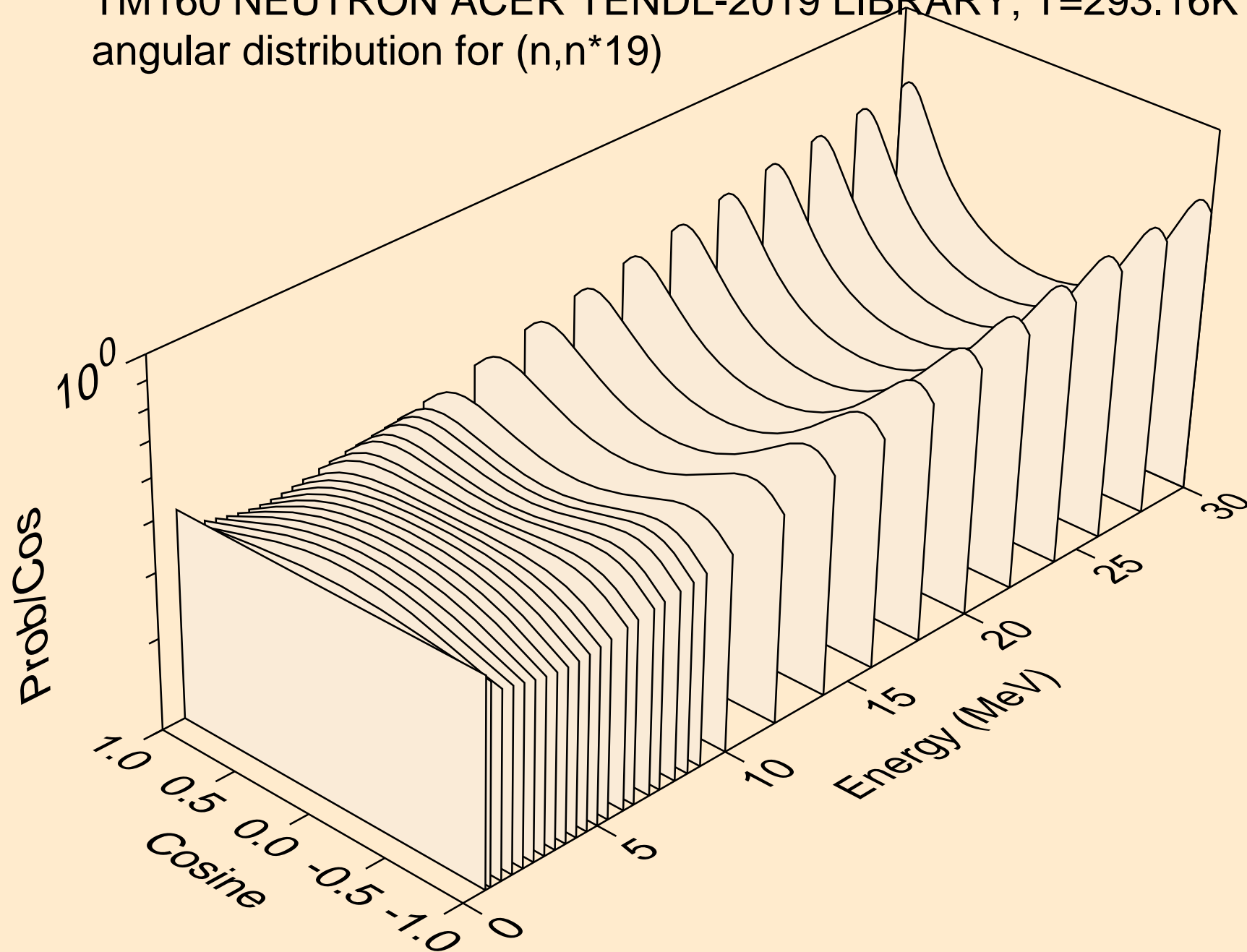
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*17)



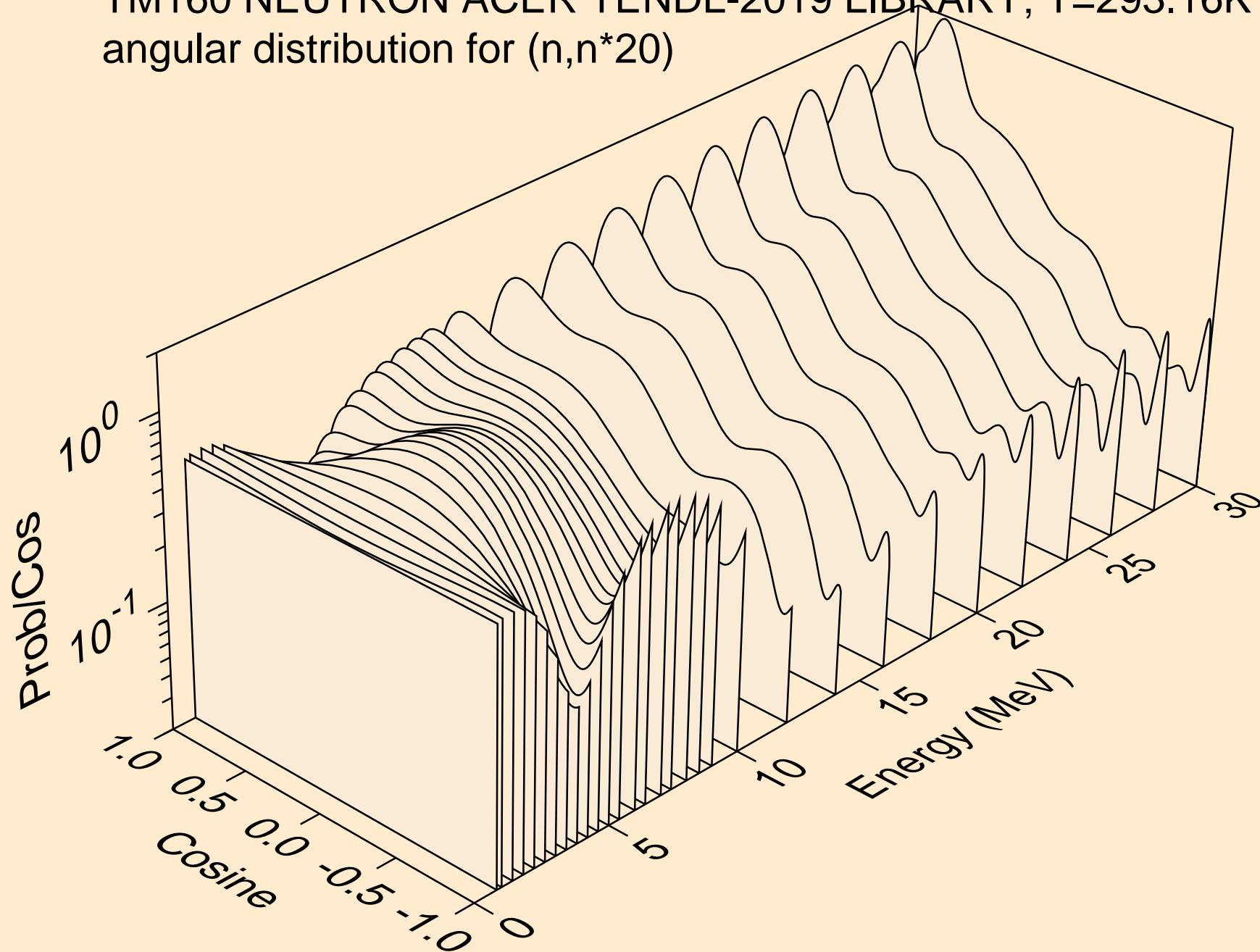
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*18)



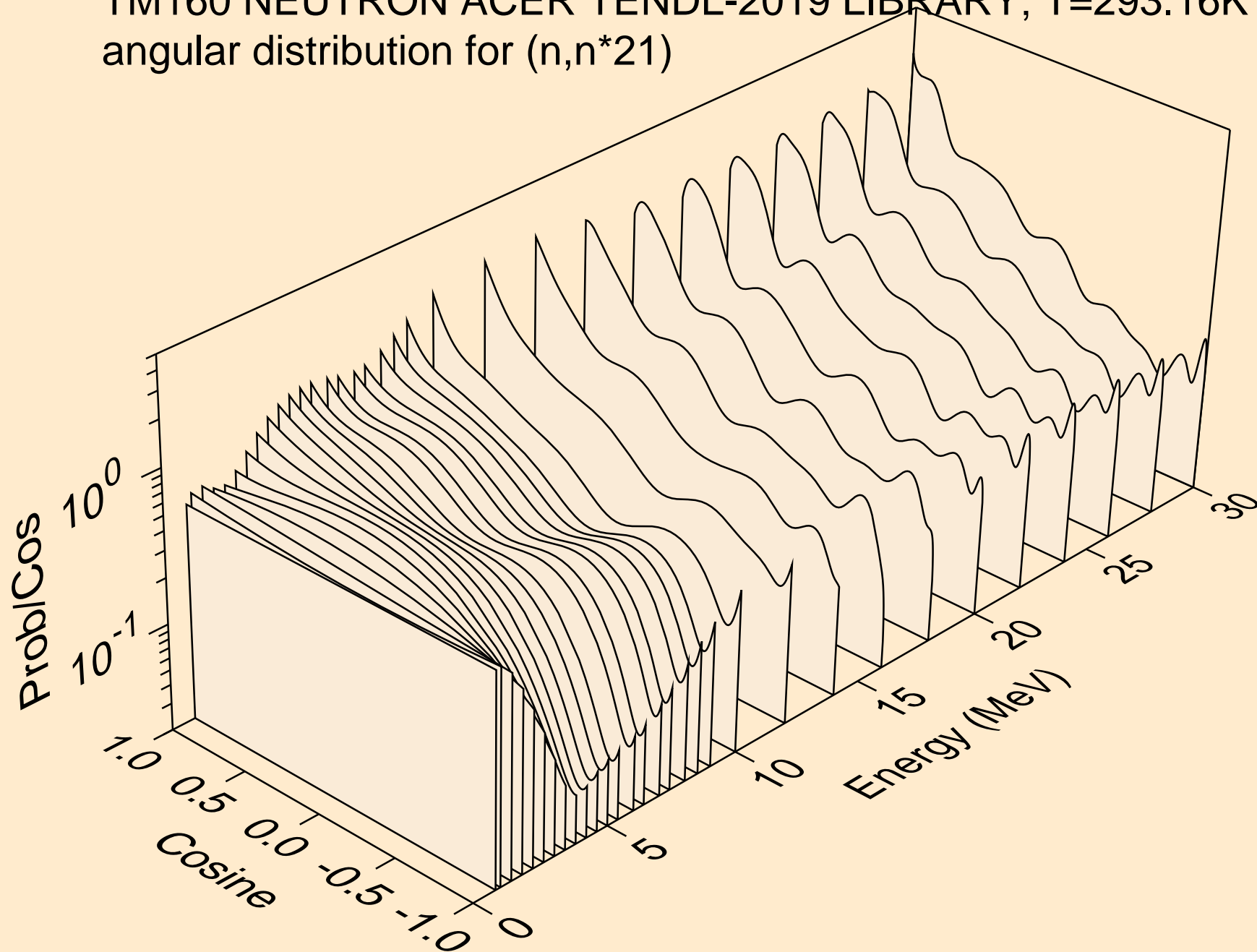
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*19)



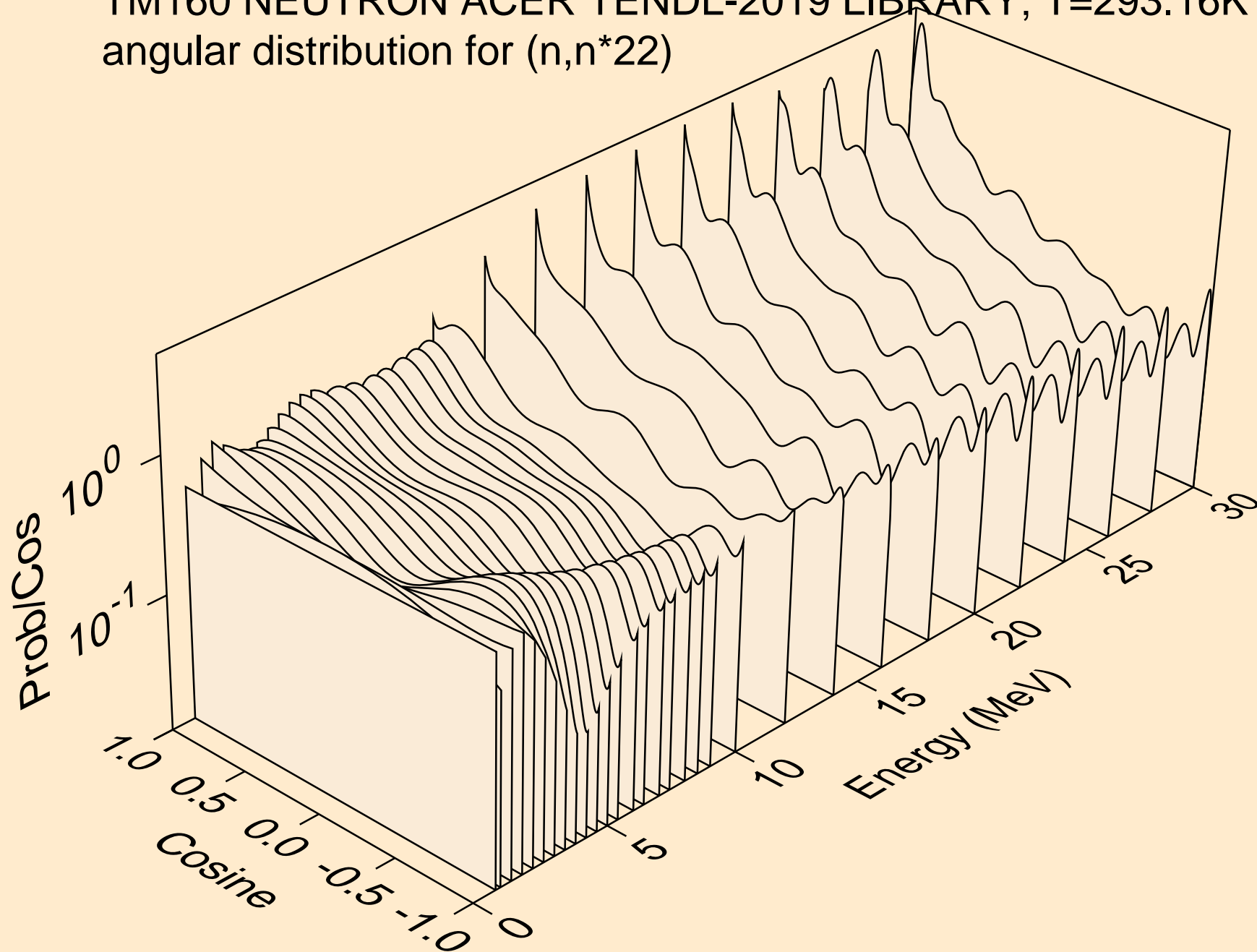
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*20)



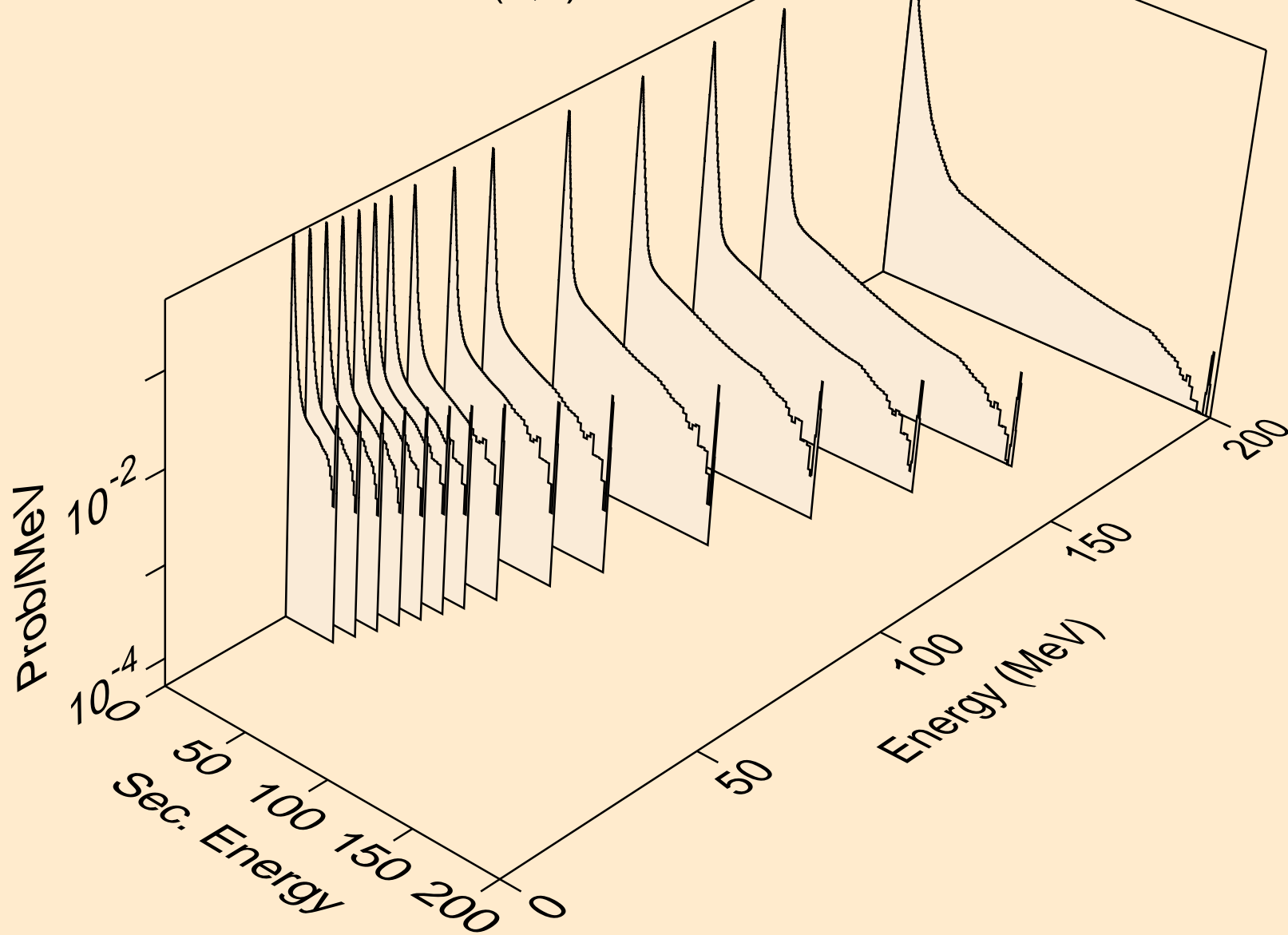
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*21)



TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*22)

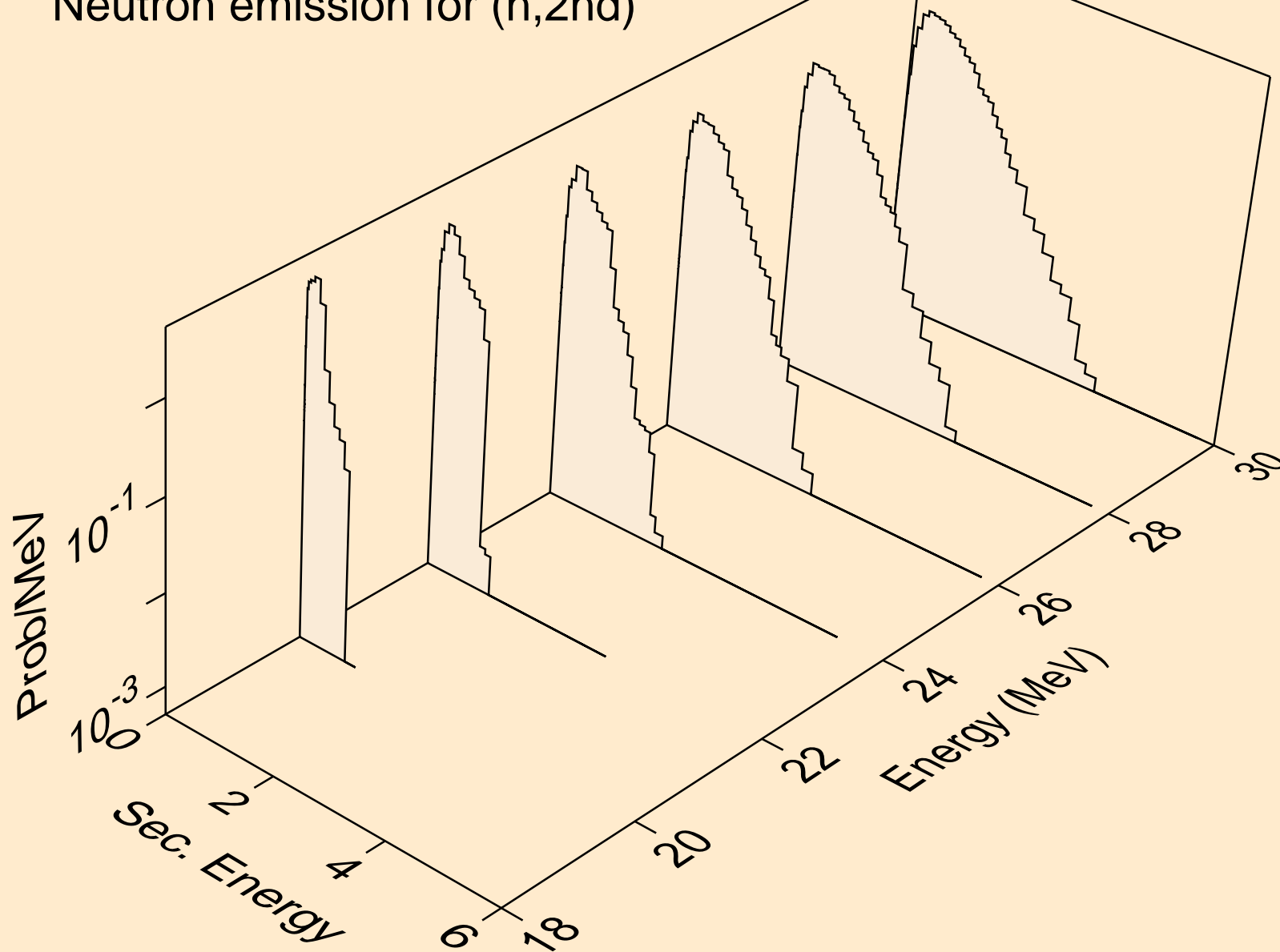


TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,x)

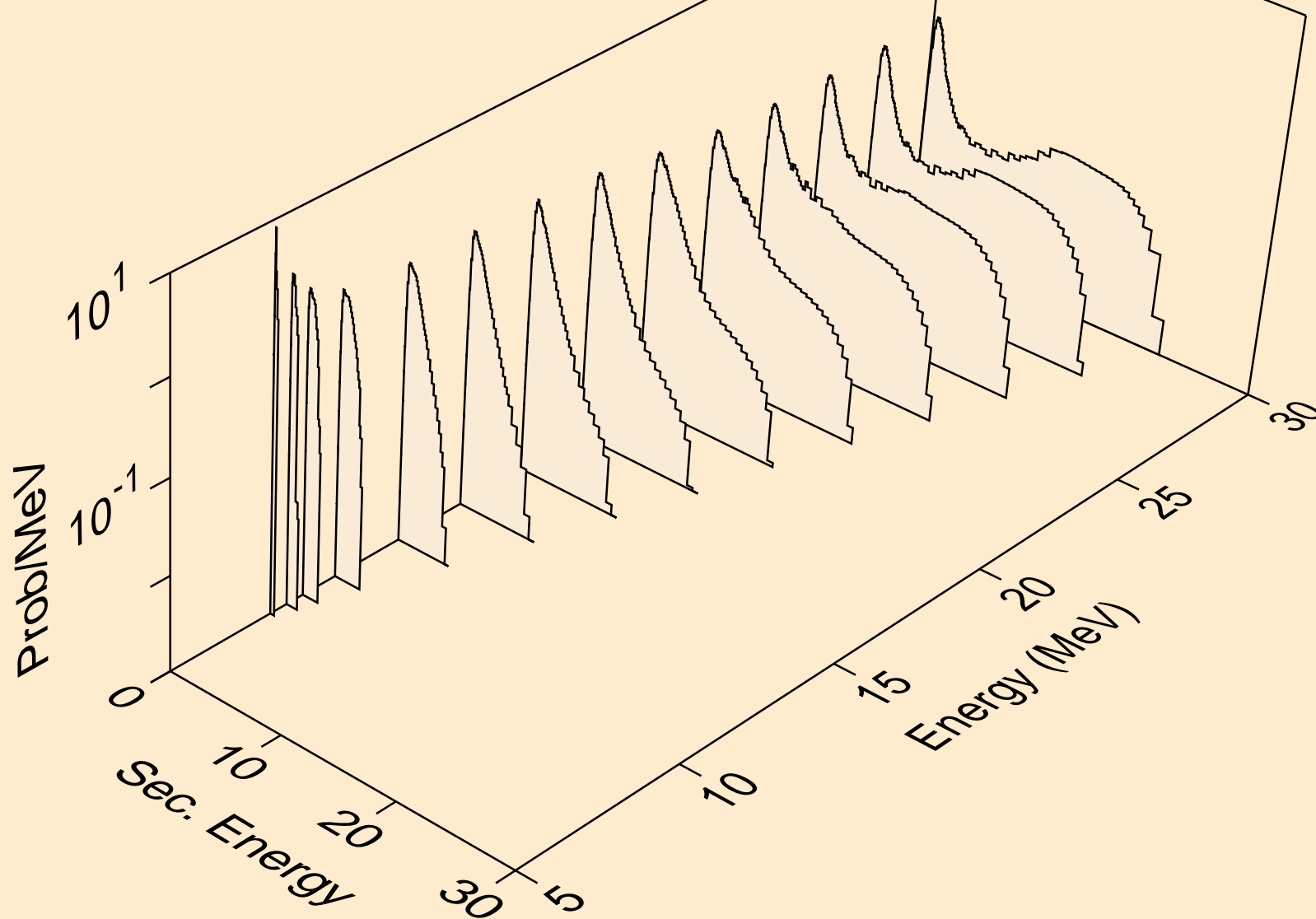




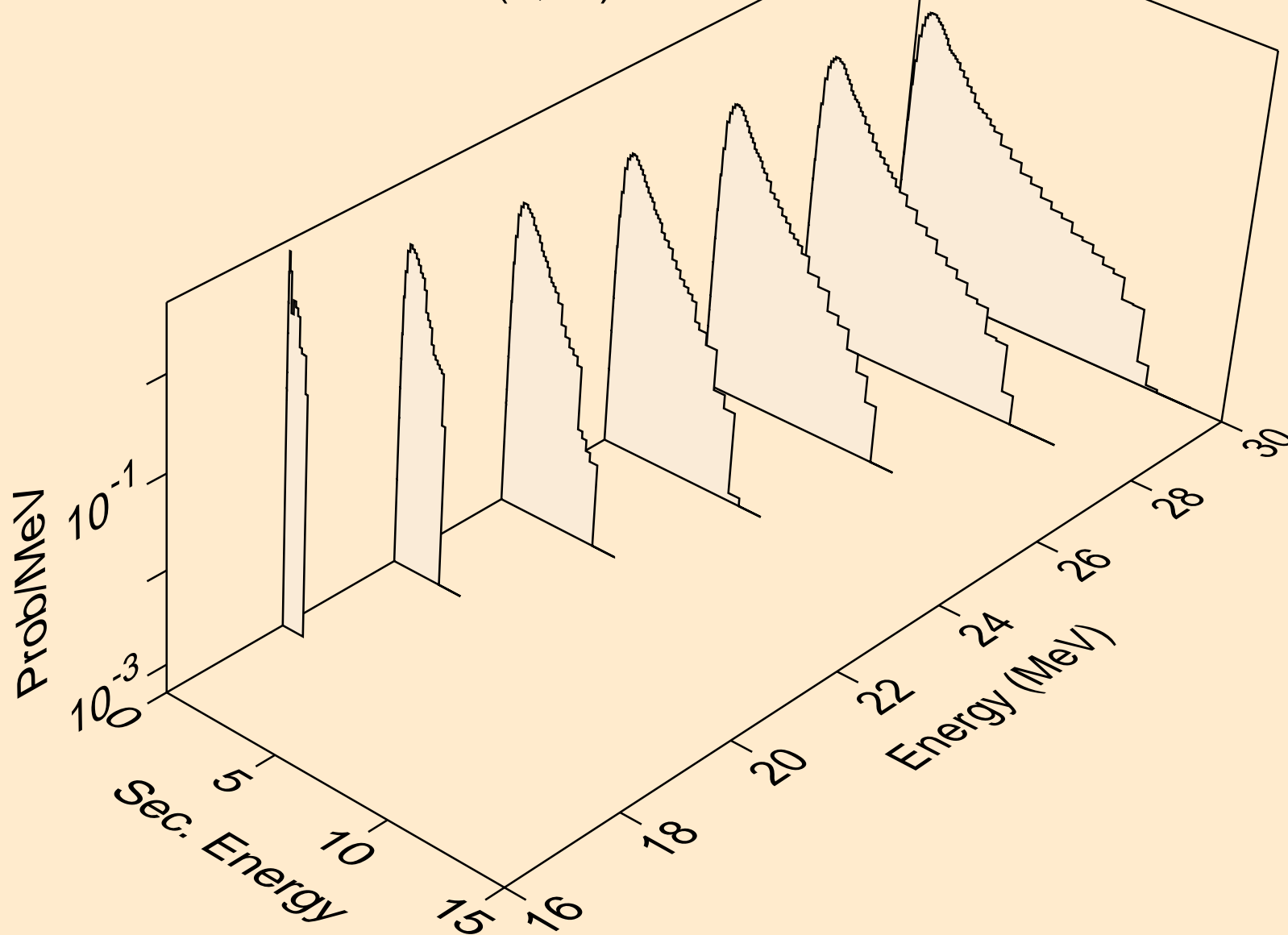
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2nd)



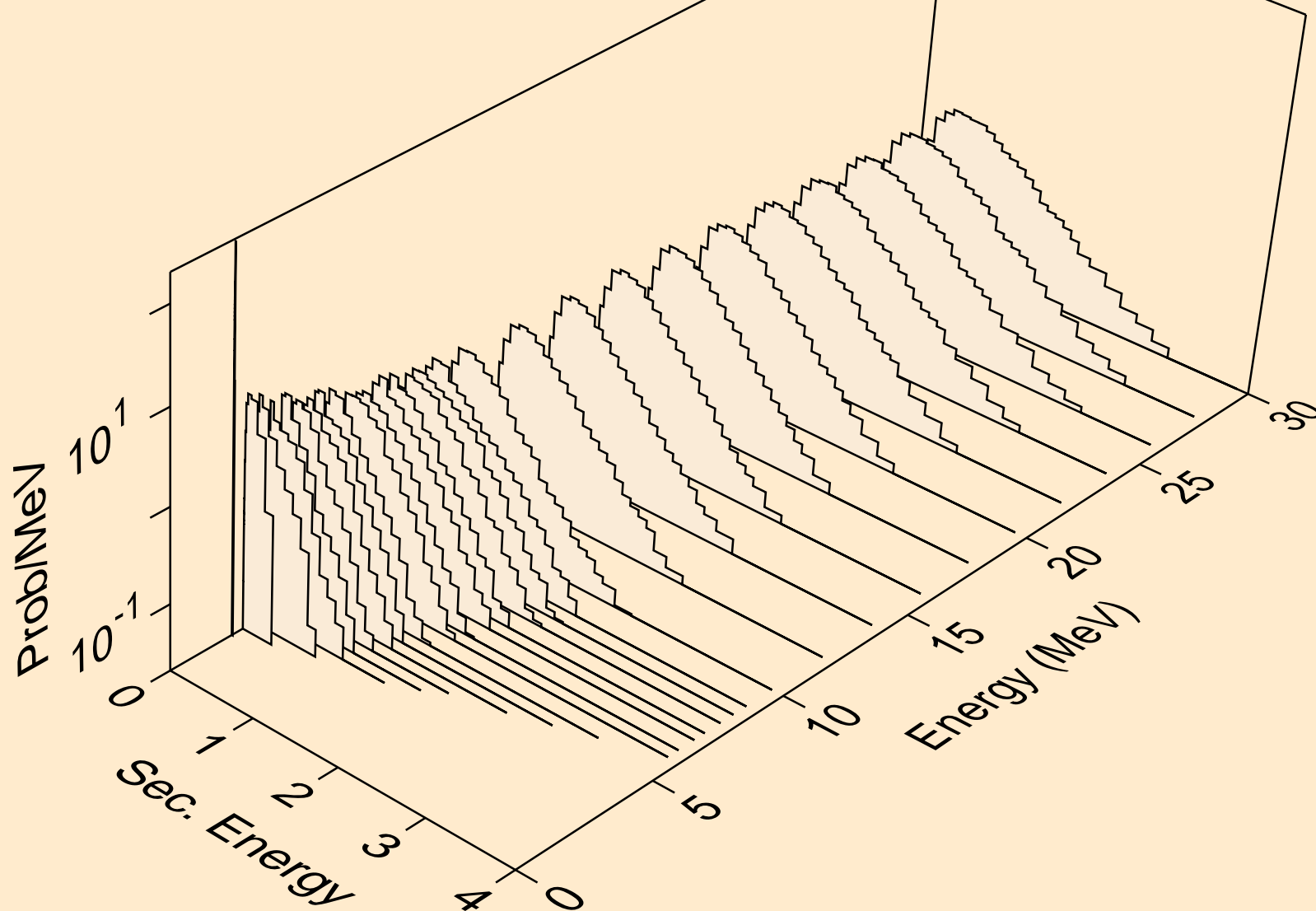
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)



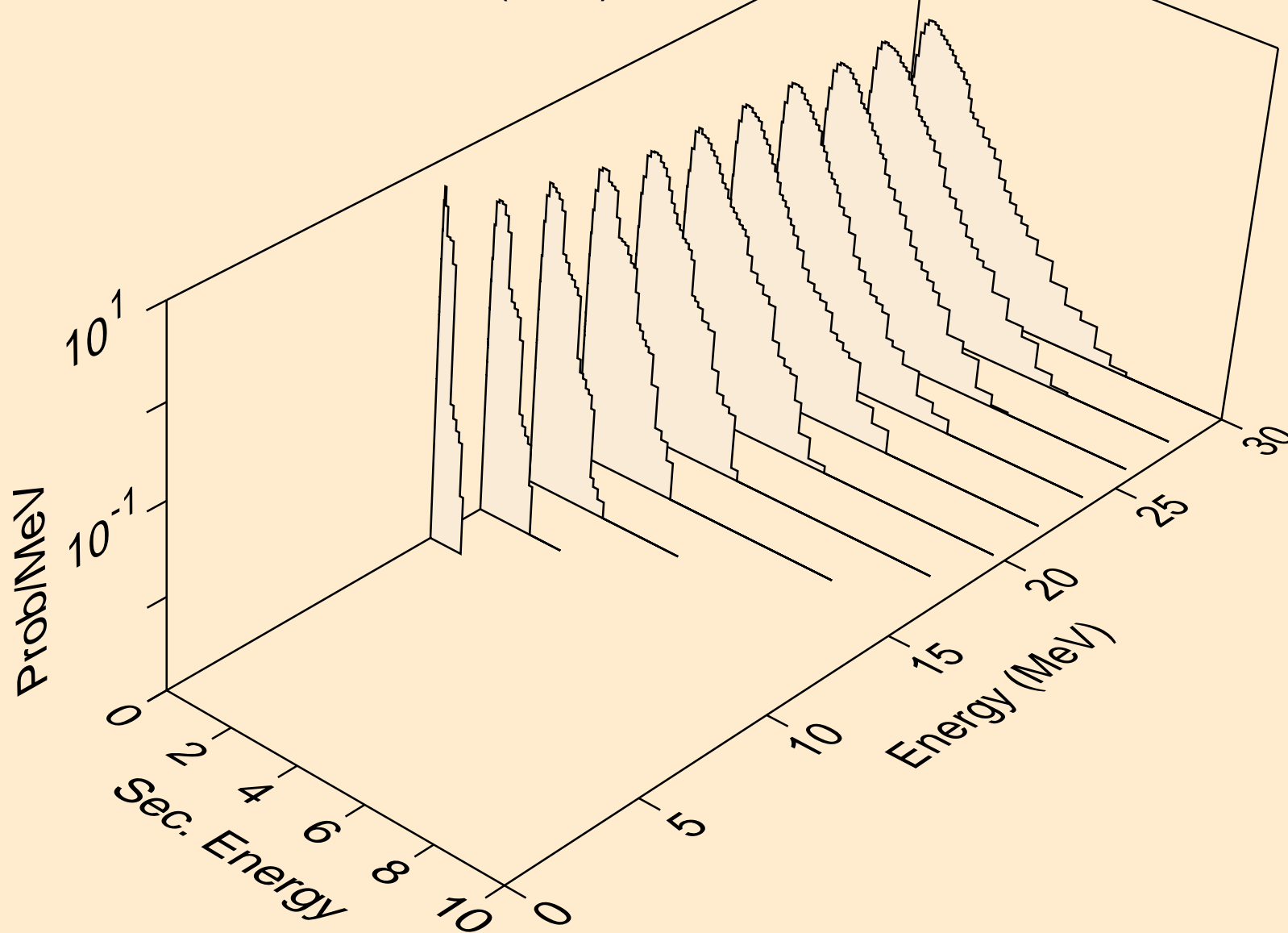
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)



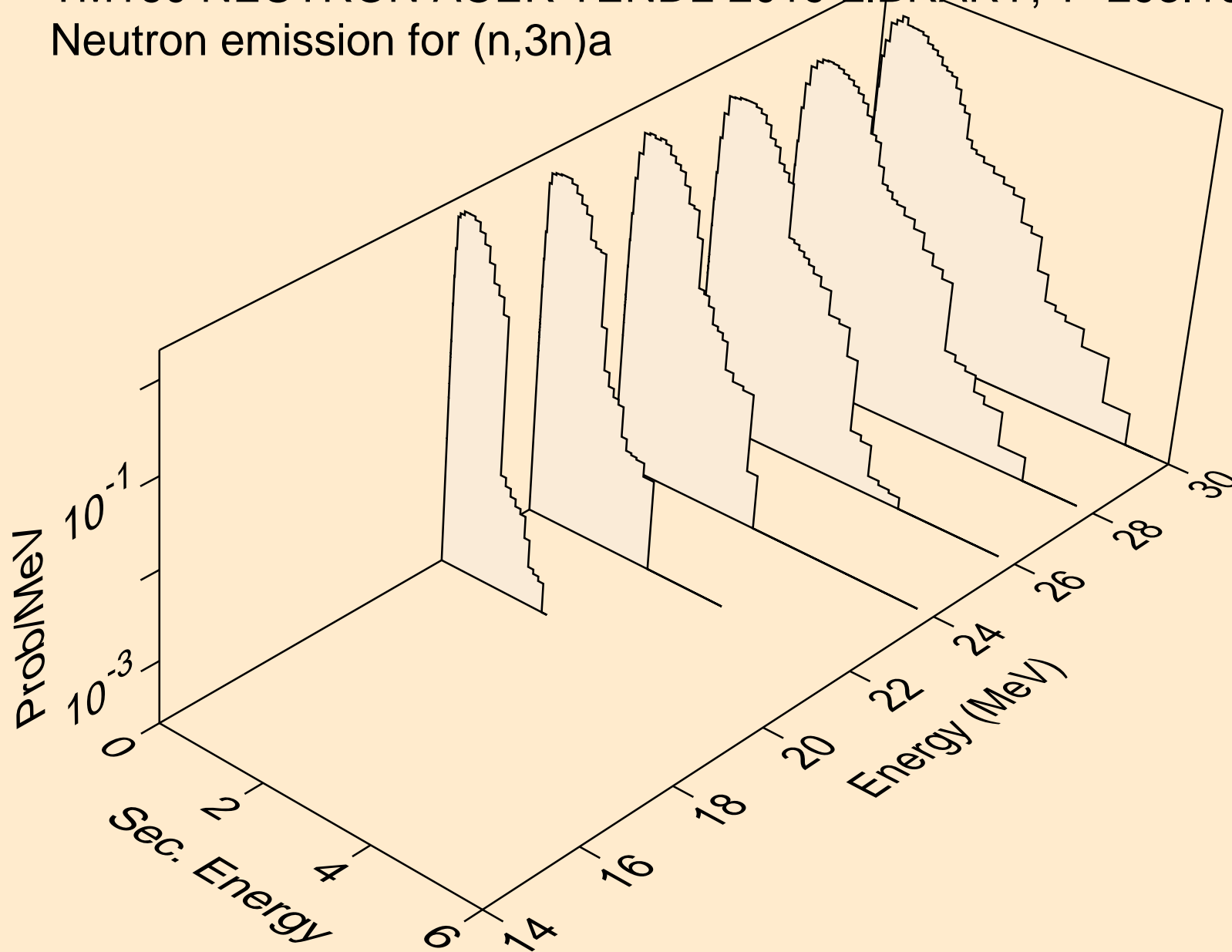
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)a



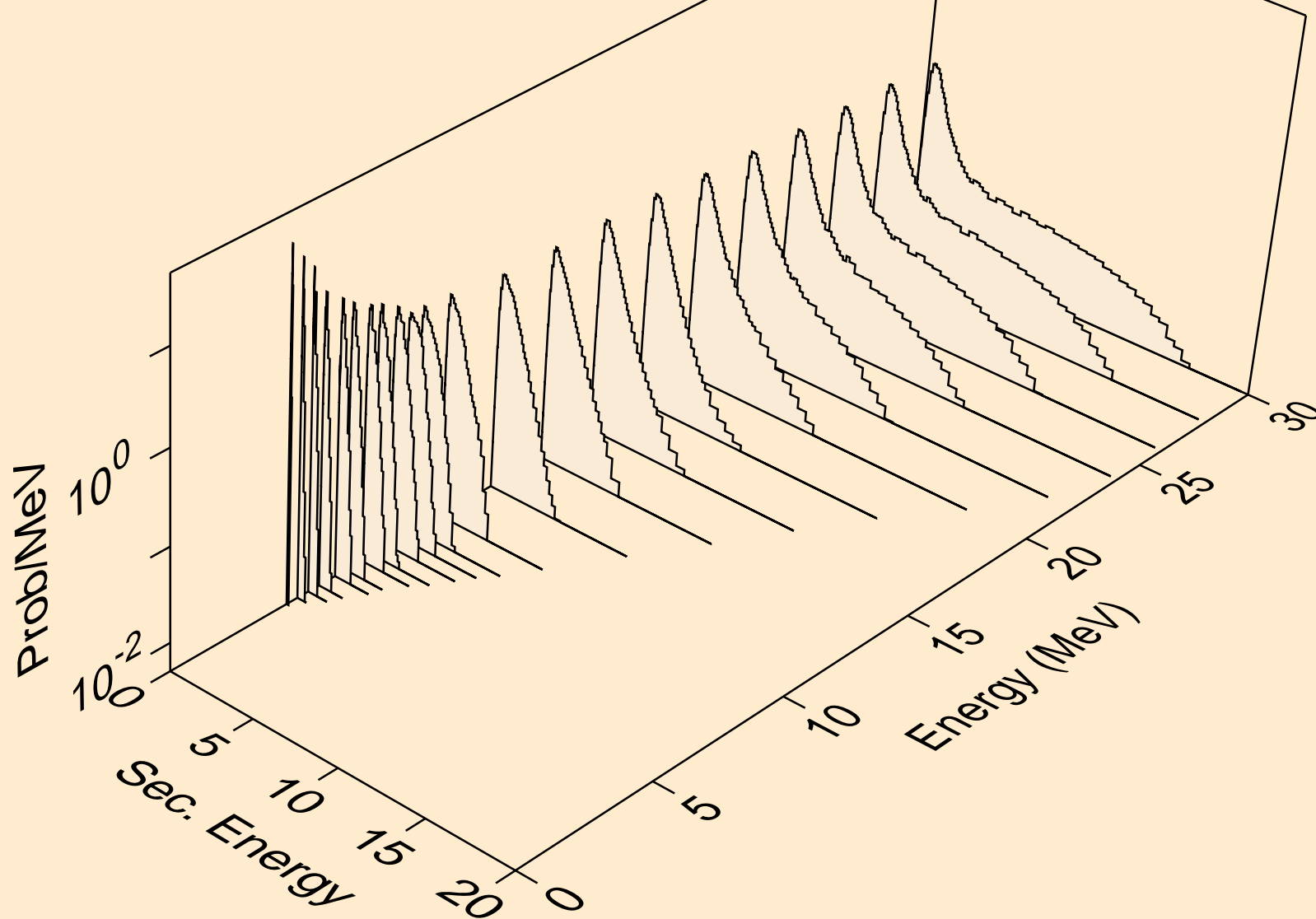
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)<sub>a</sub>



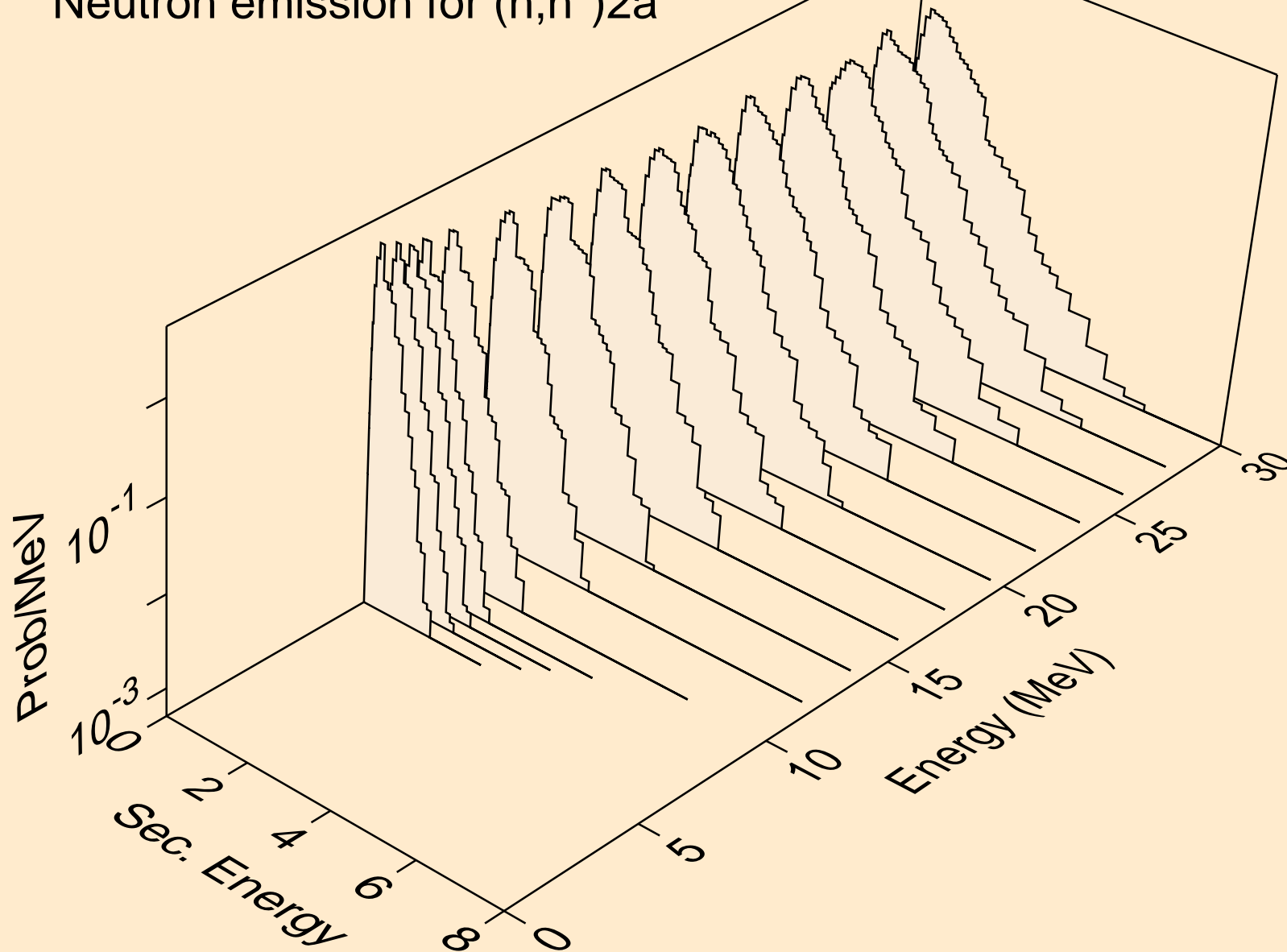
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)<sub>a</sub>



TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)p

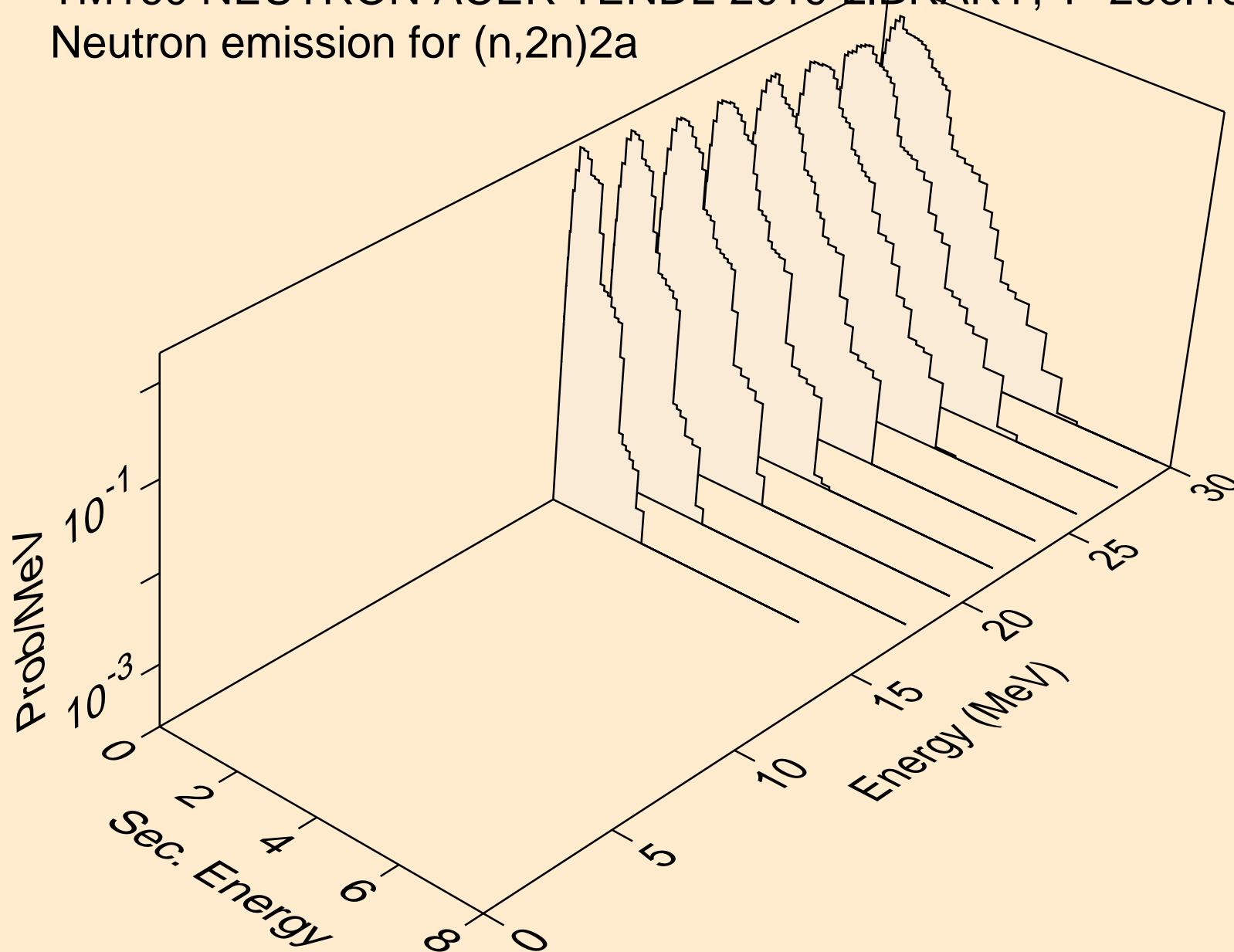


TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)2a

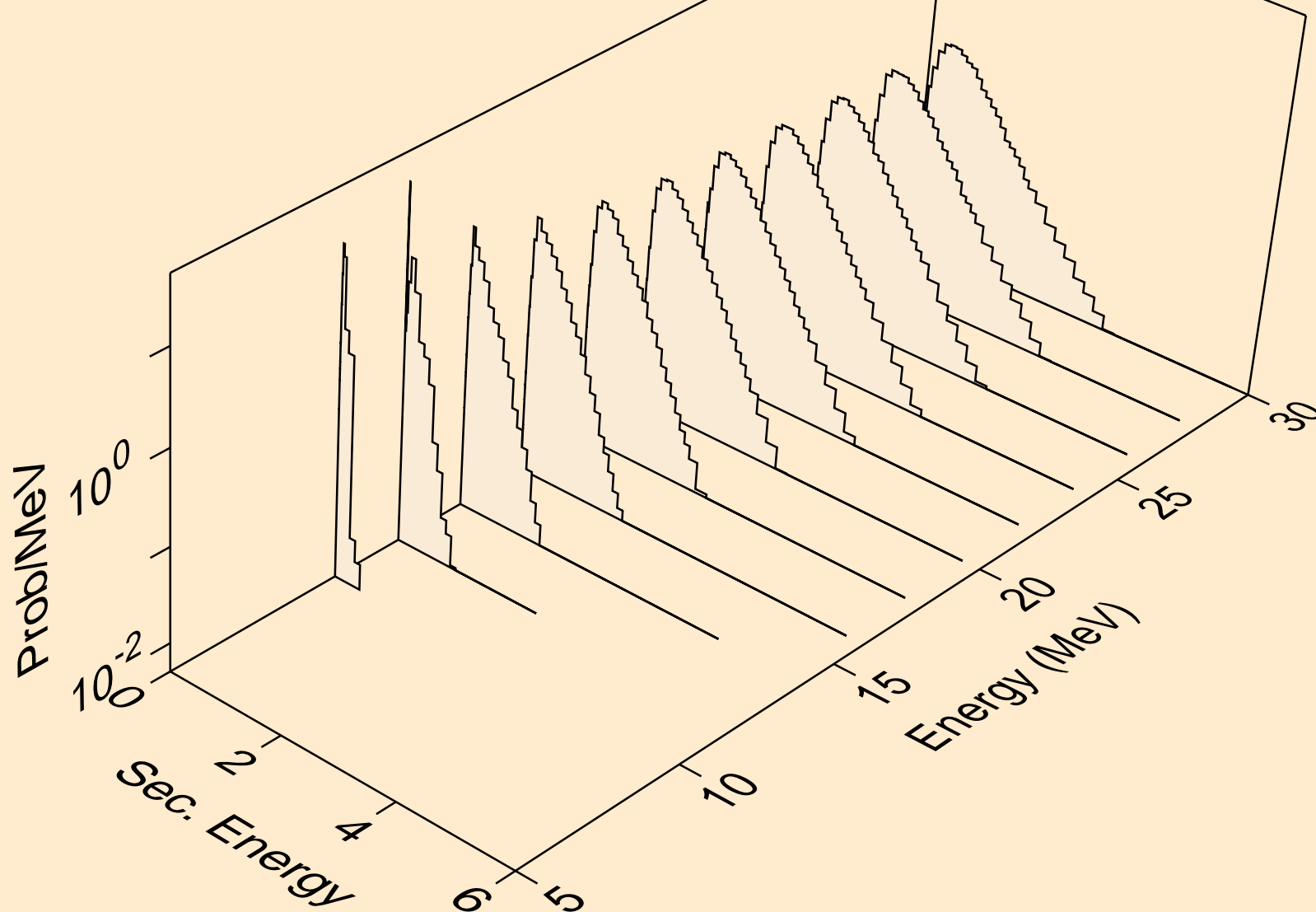




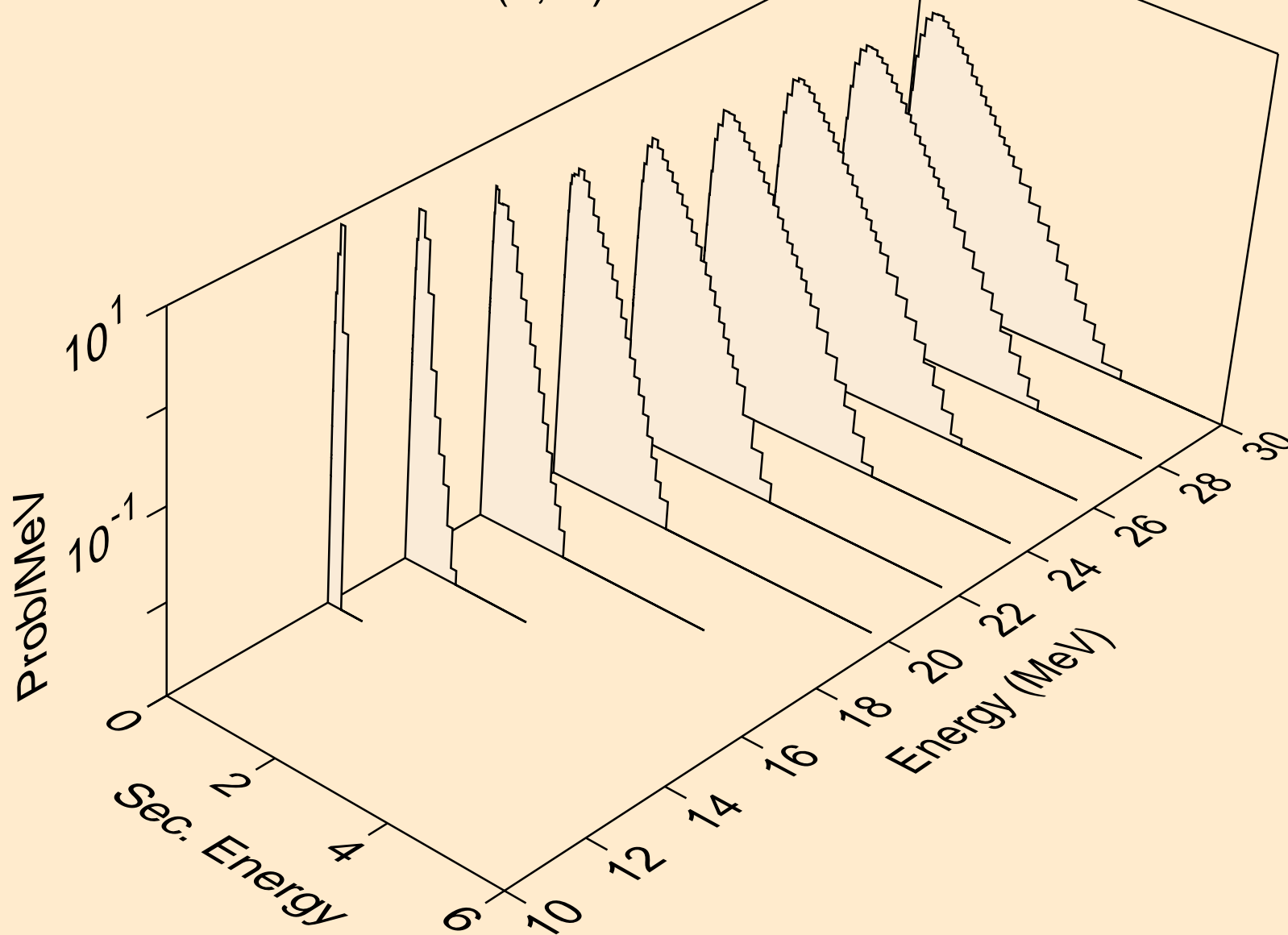
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)2a



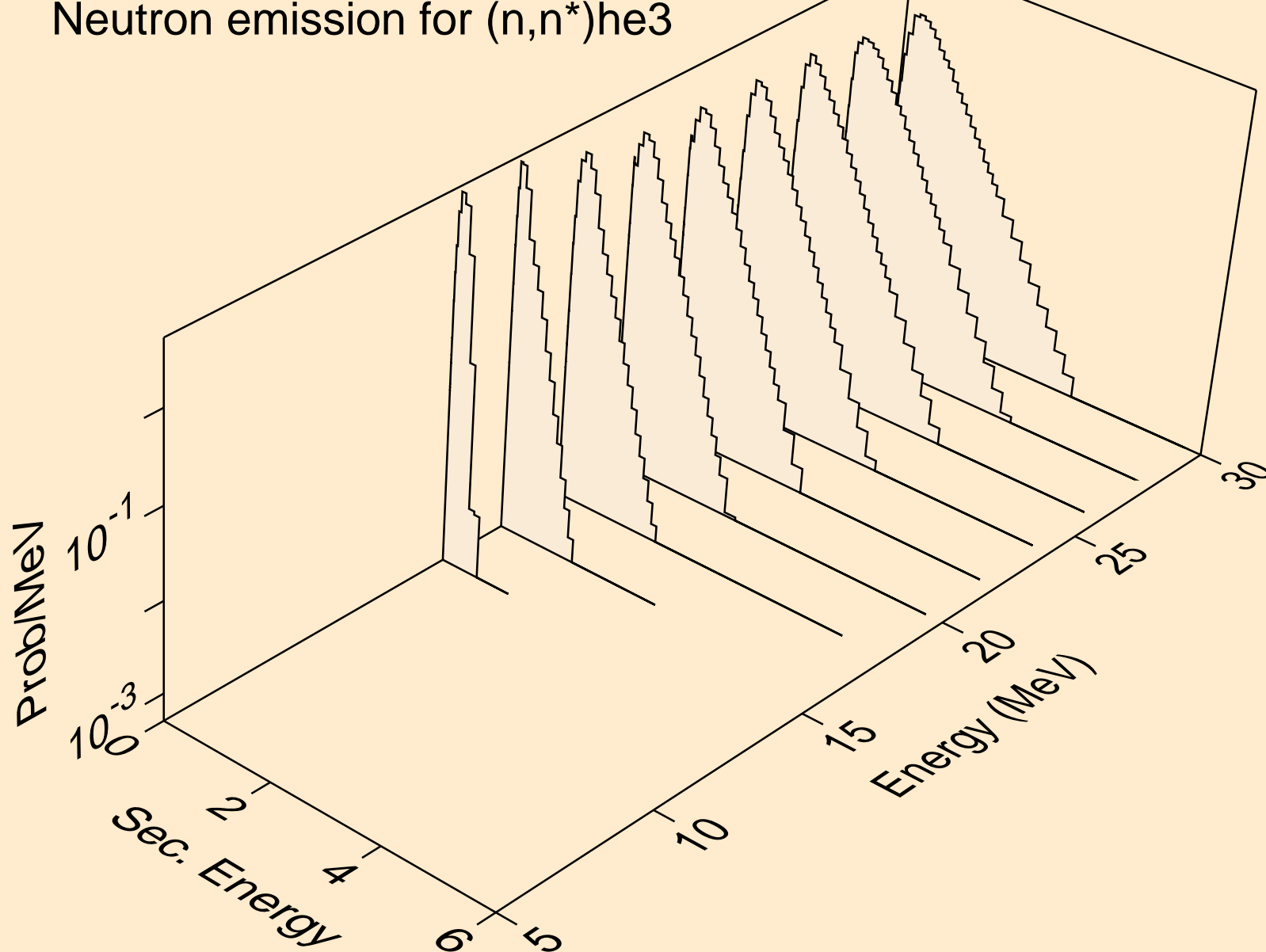
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)d



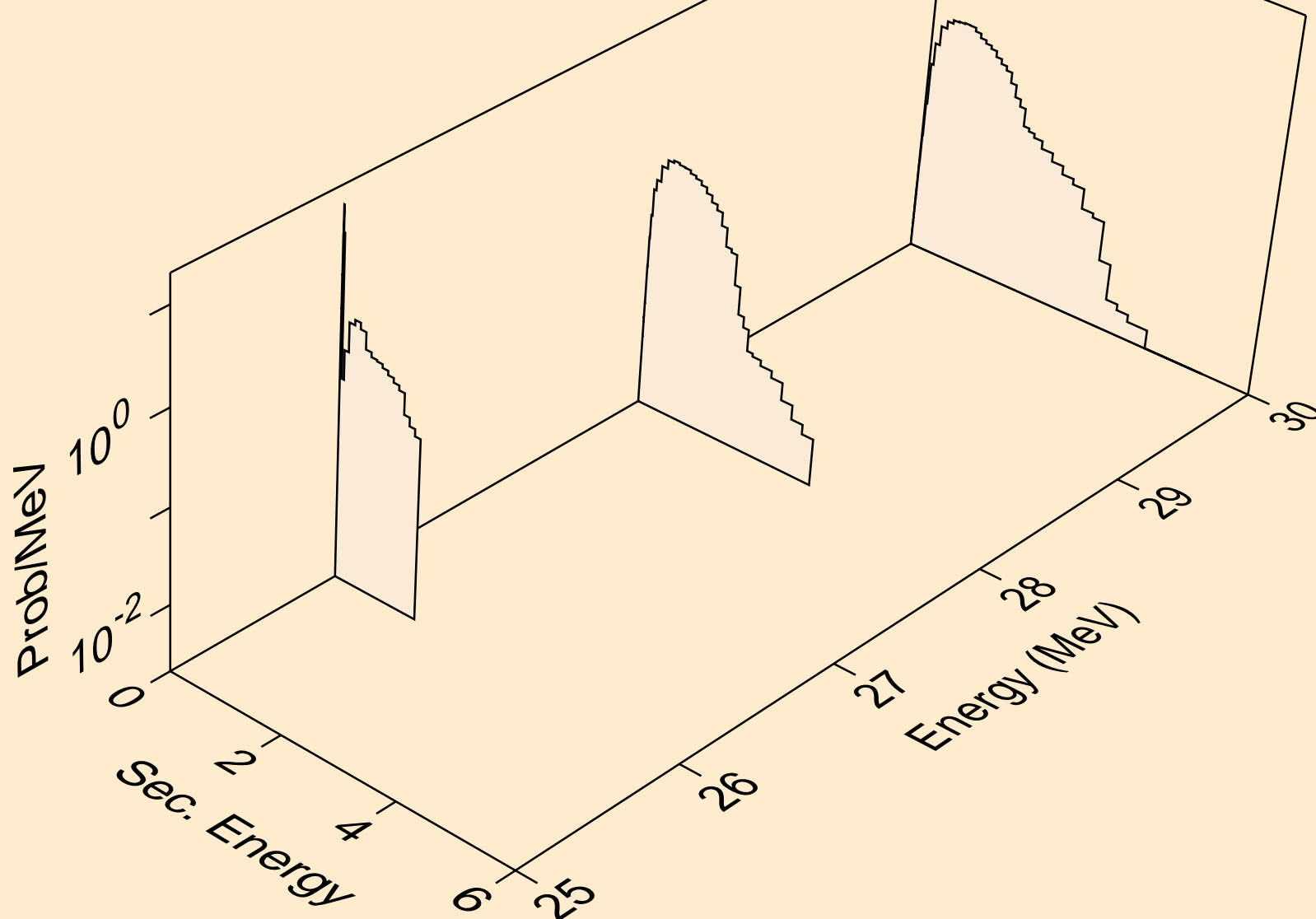
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)t



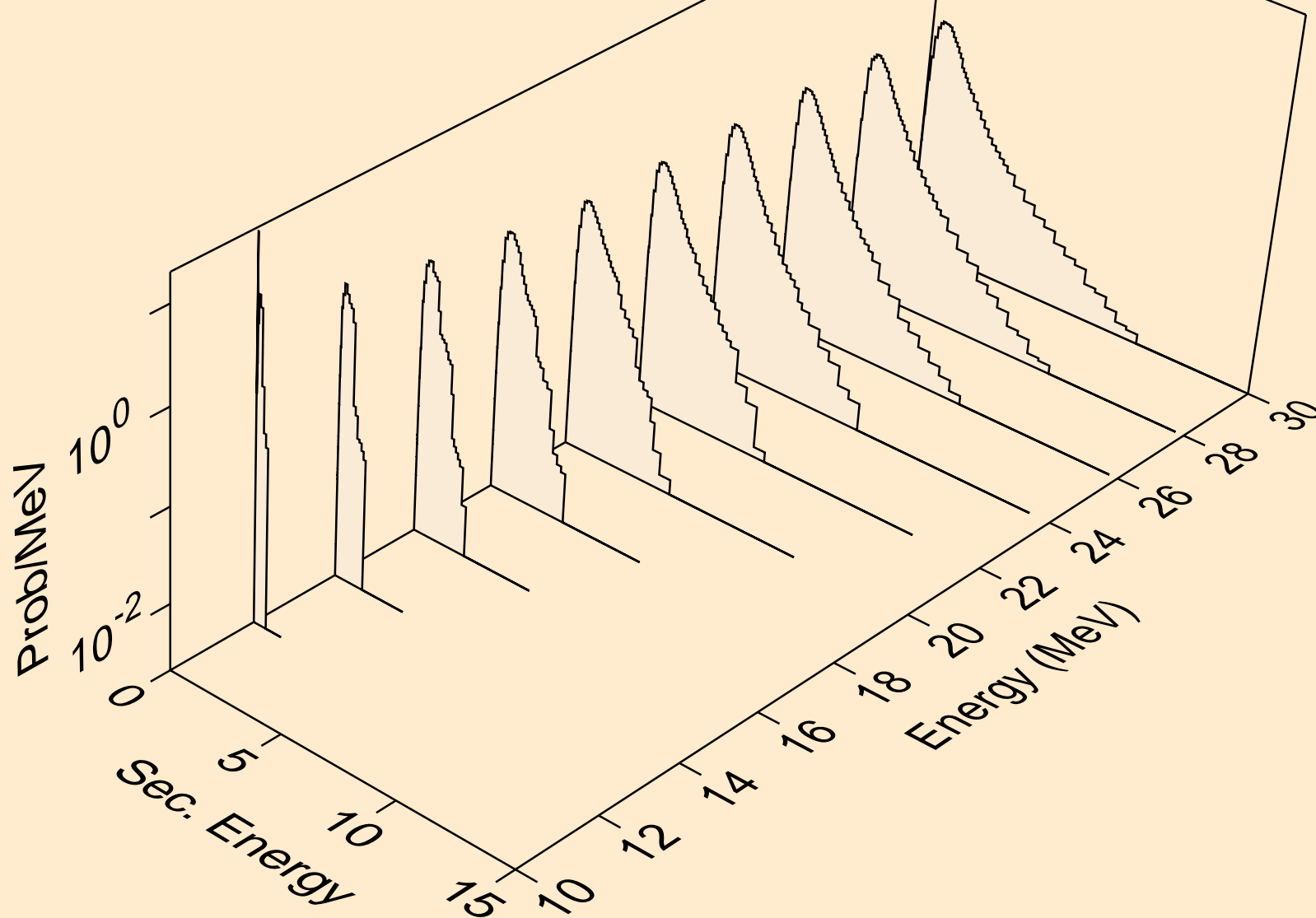
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)he3



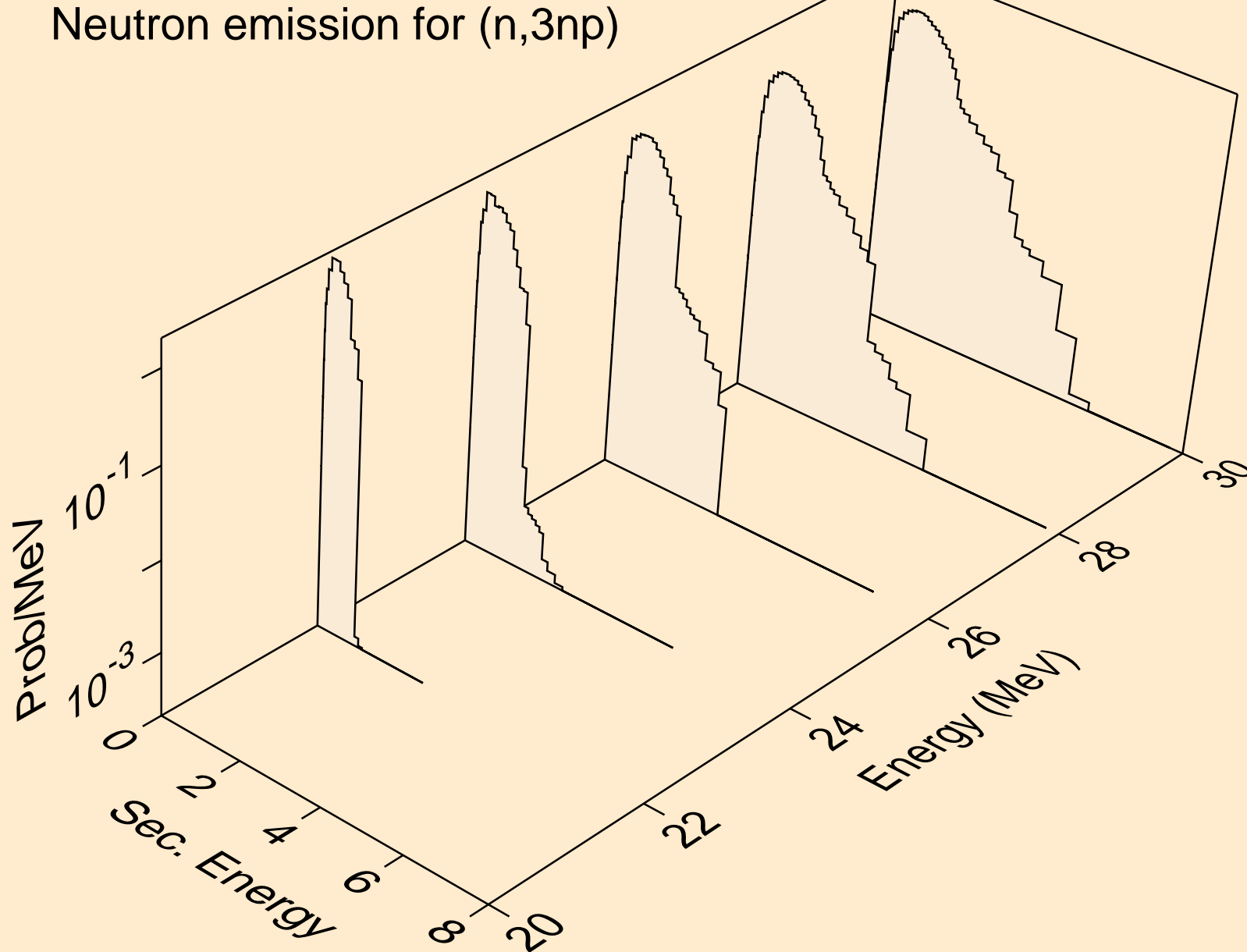
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,4n)



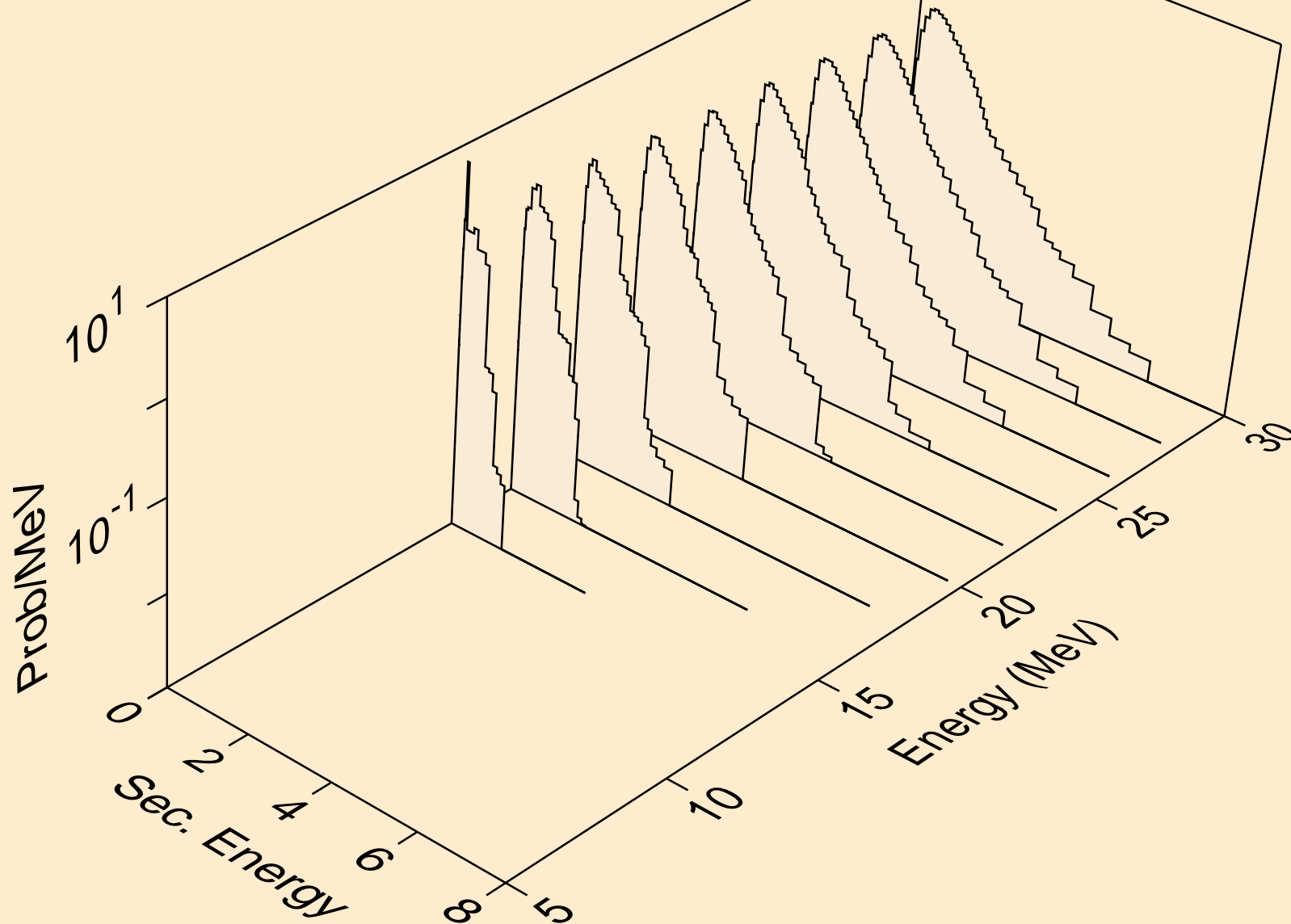
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2np)



TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3np)

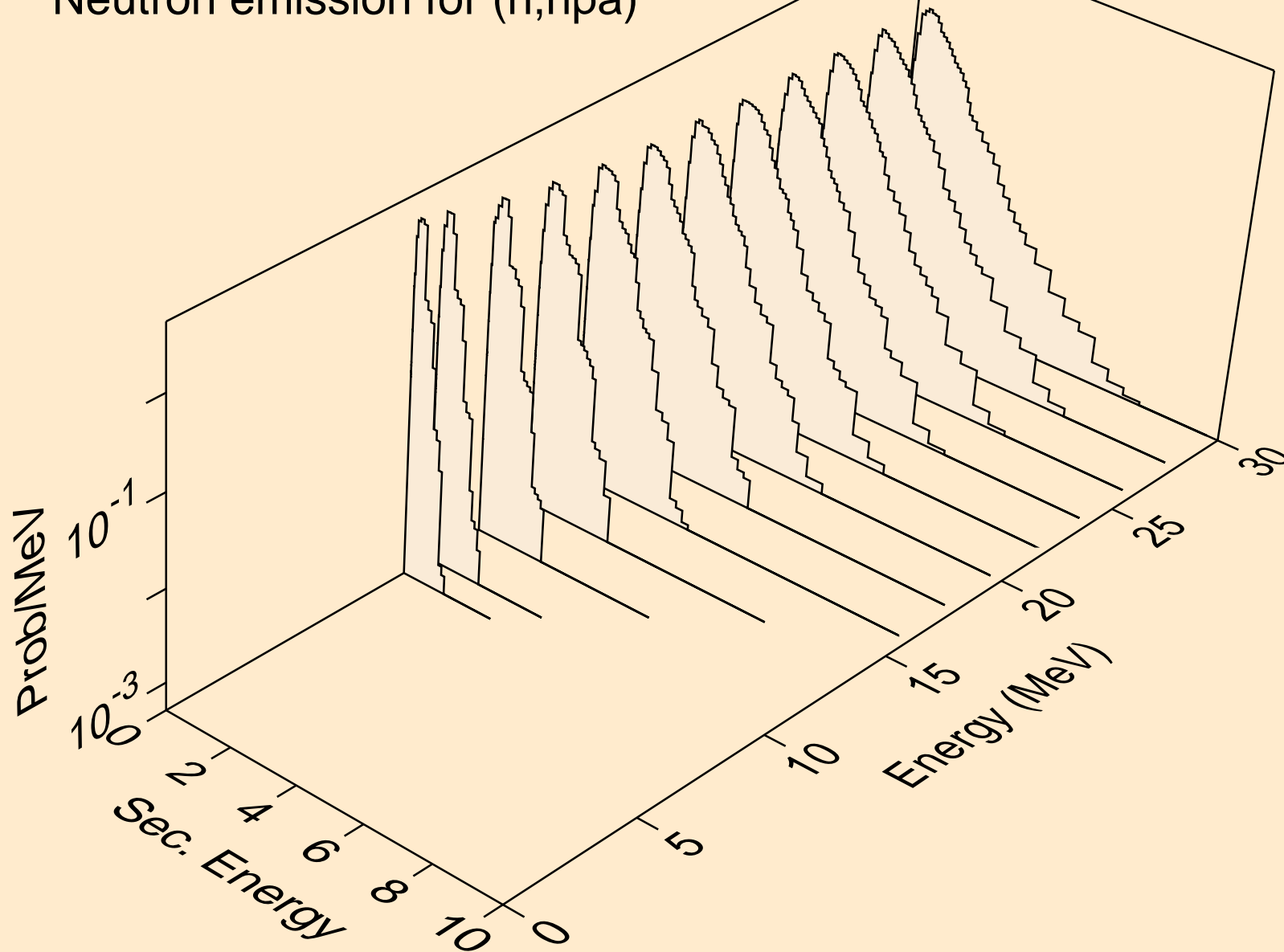


TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2np)

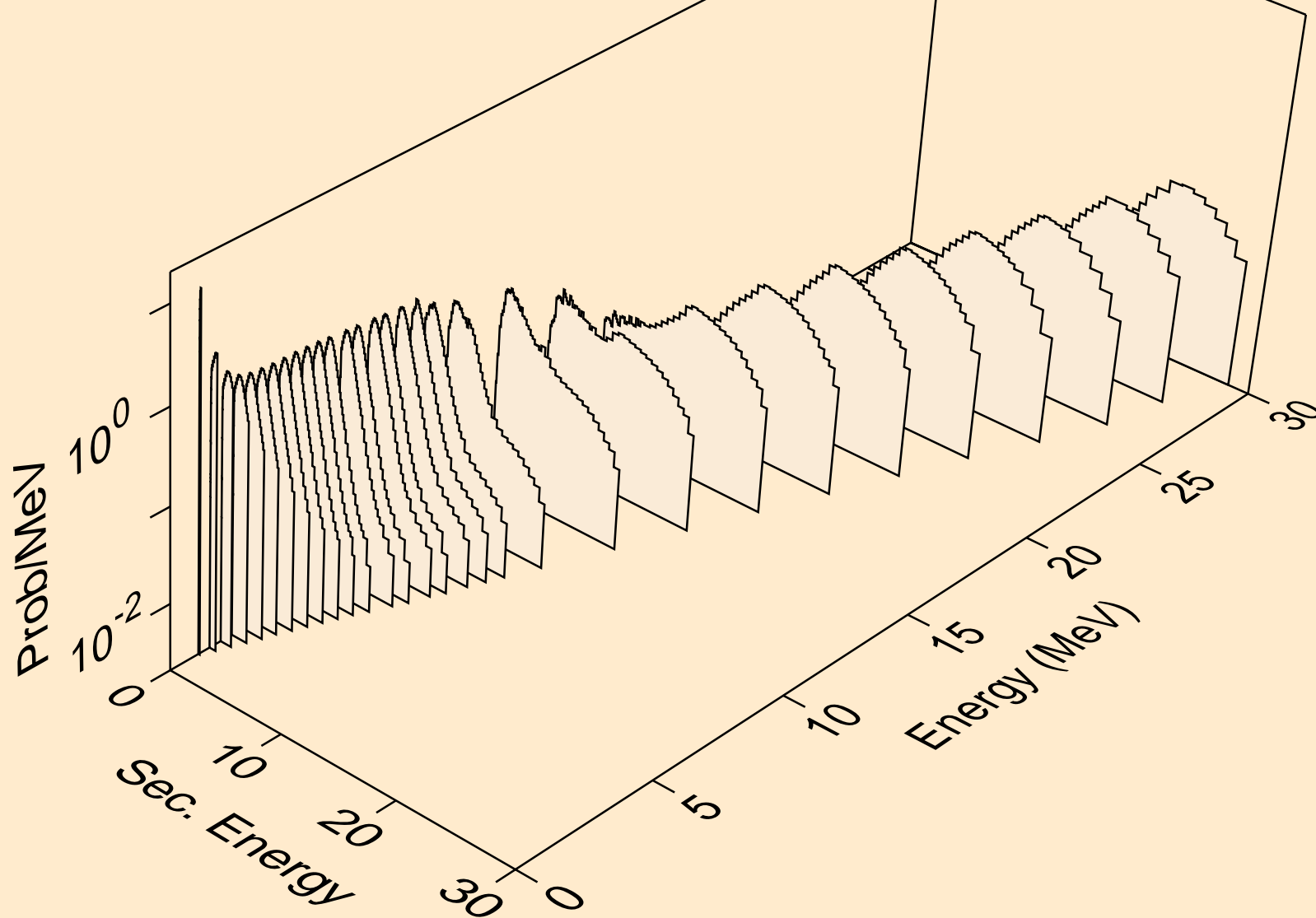




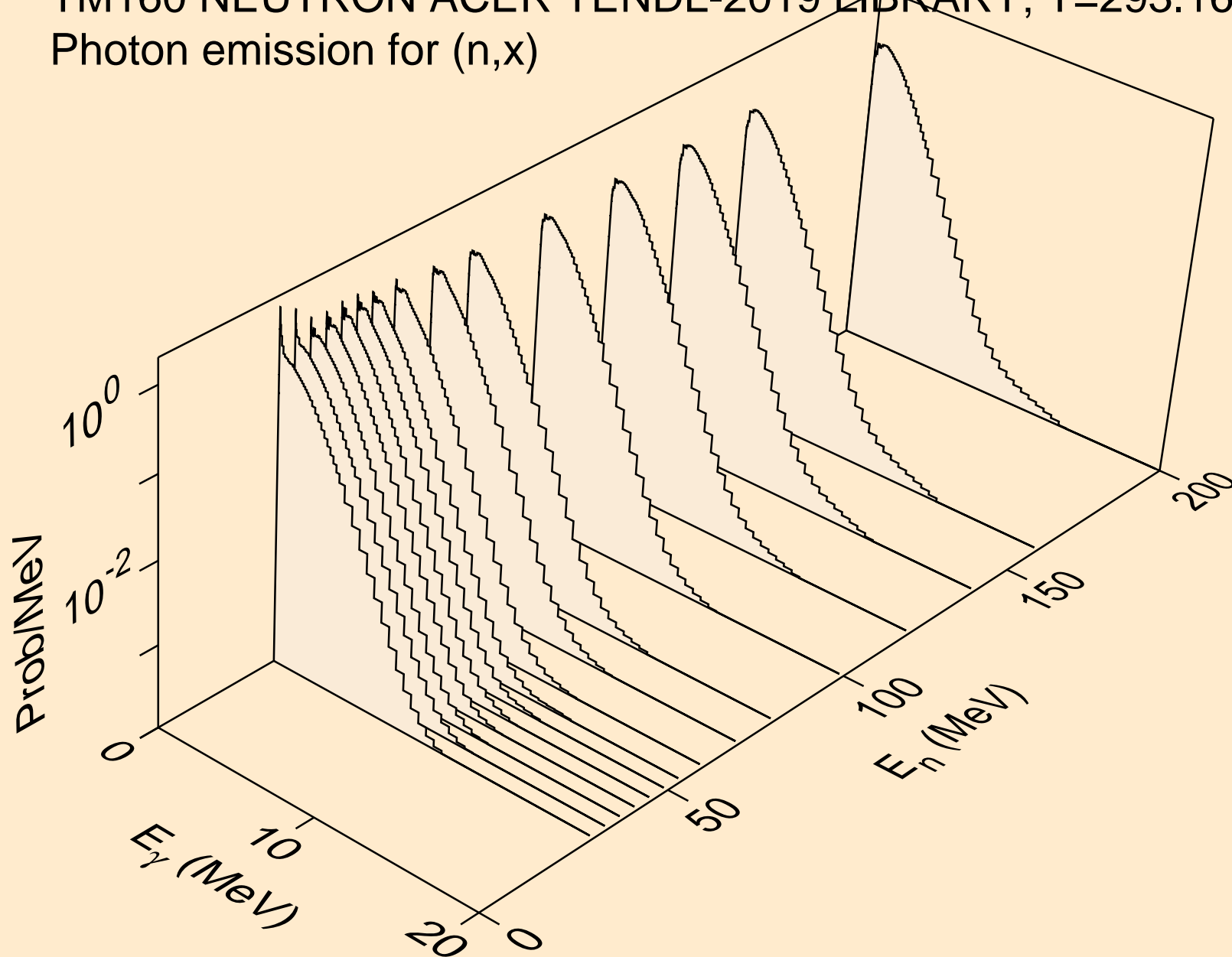
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,npa)



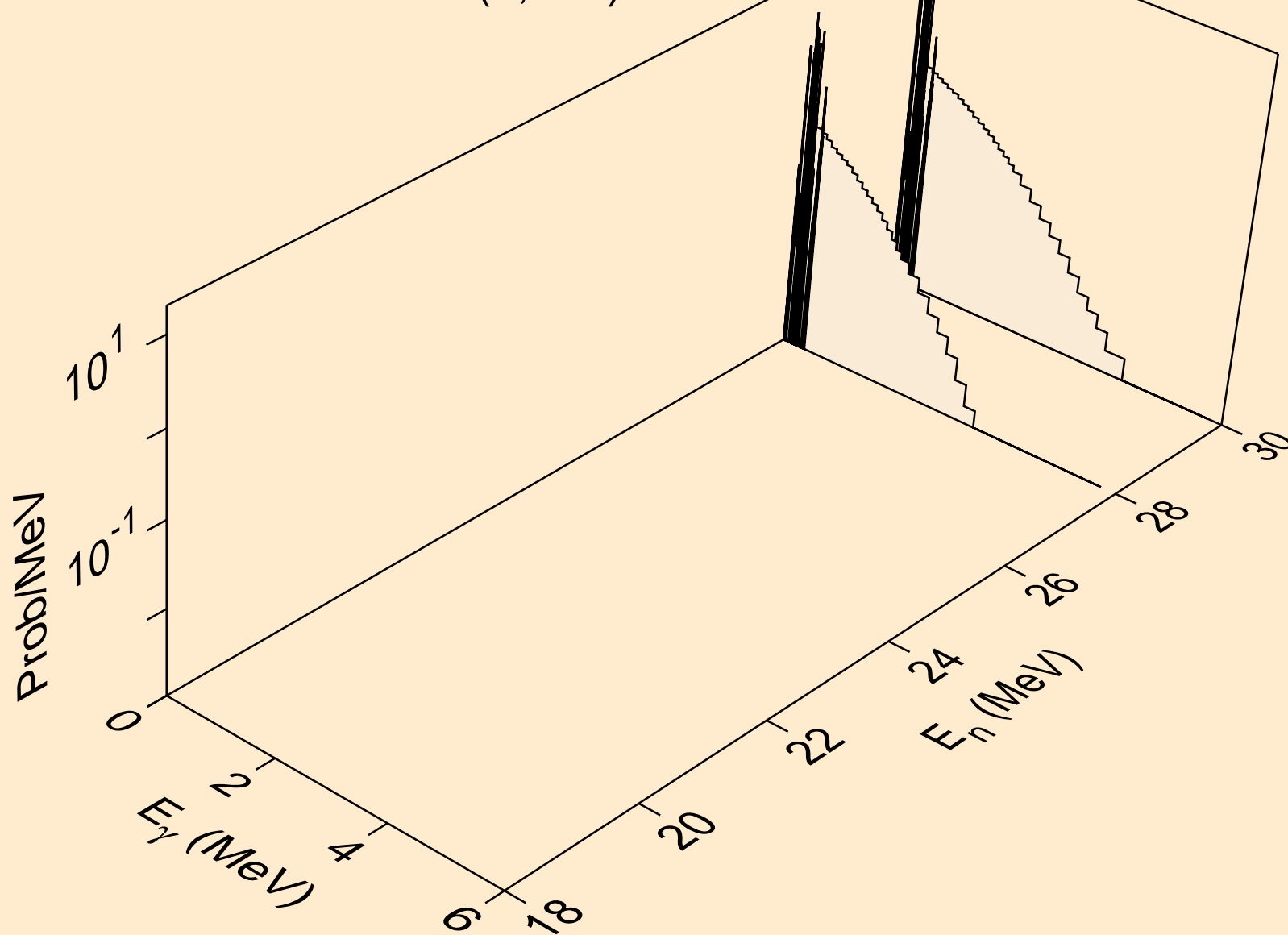
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*c)



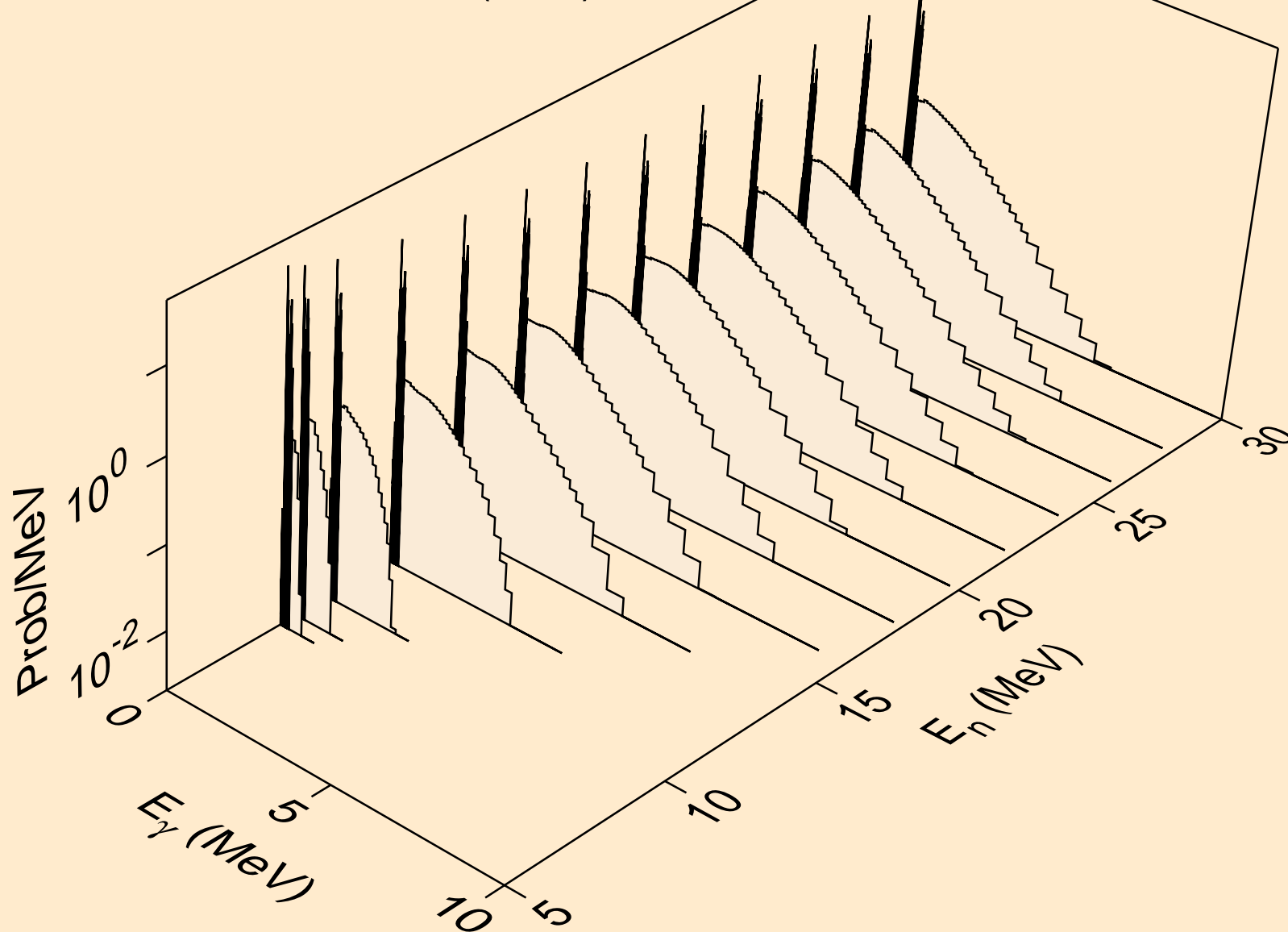
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,x)



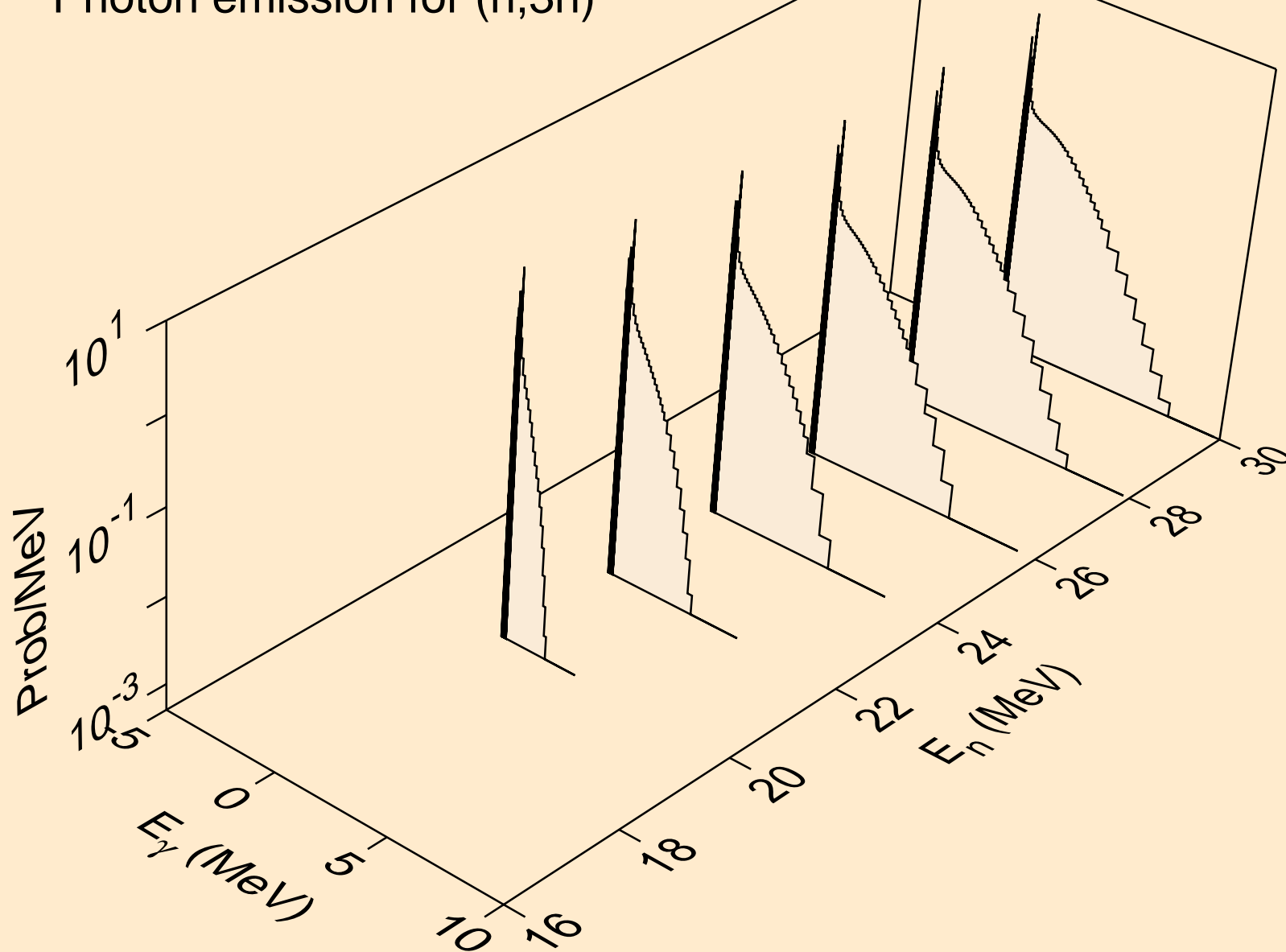
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2nd)



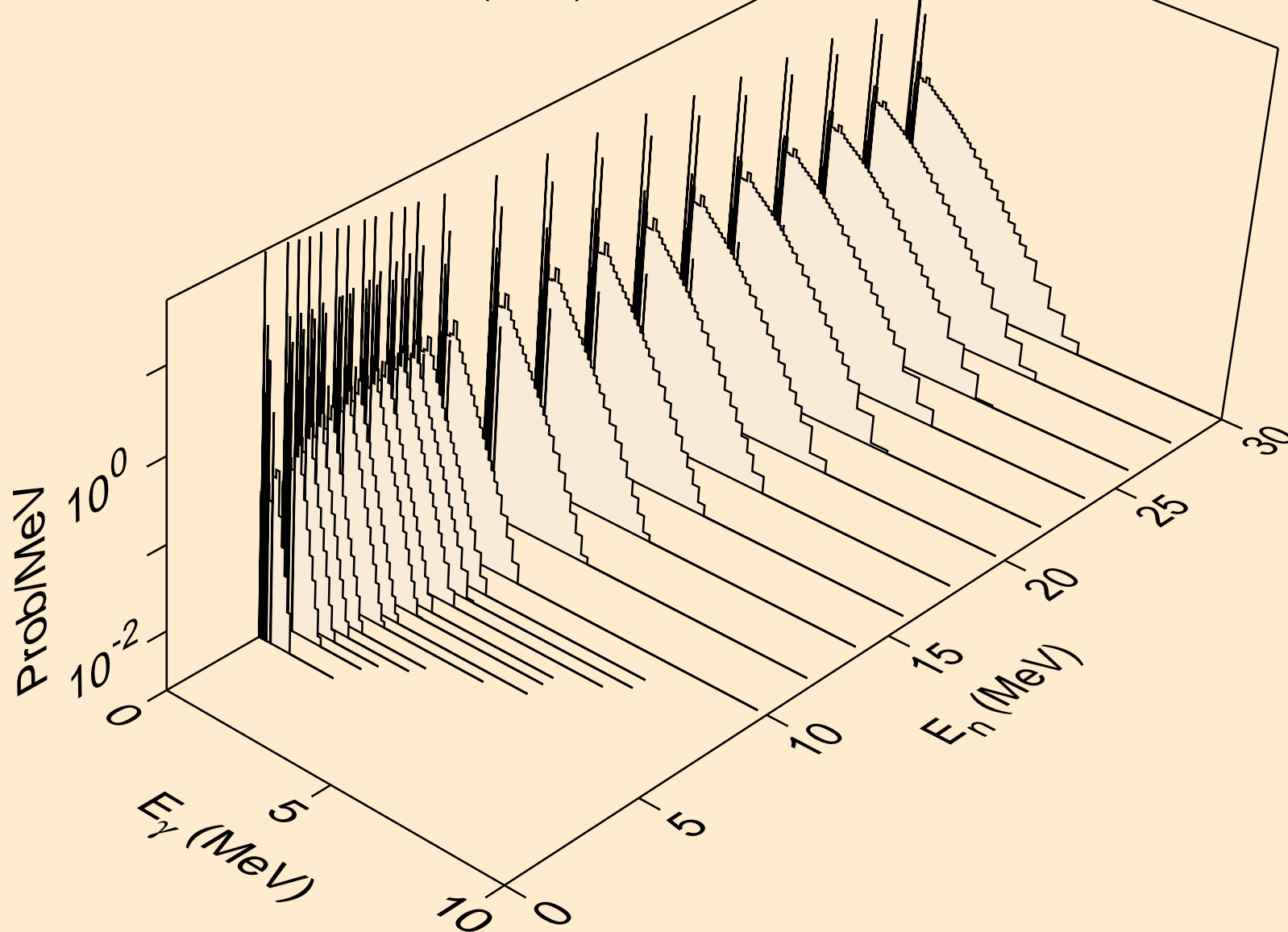
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n)



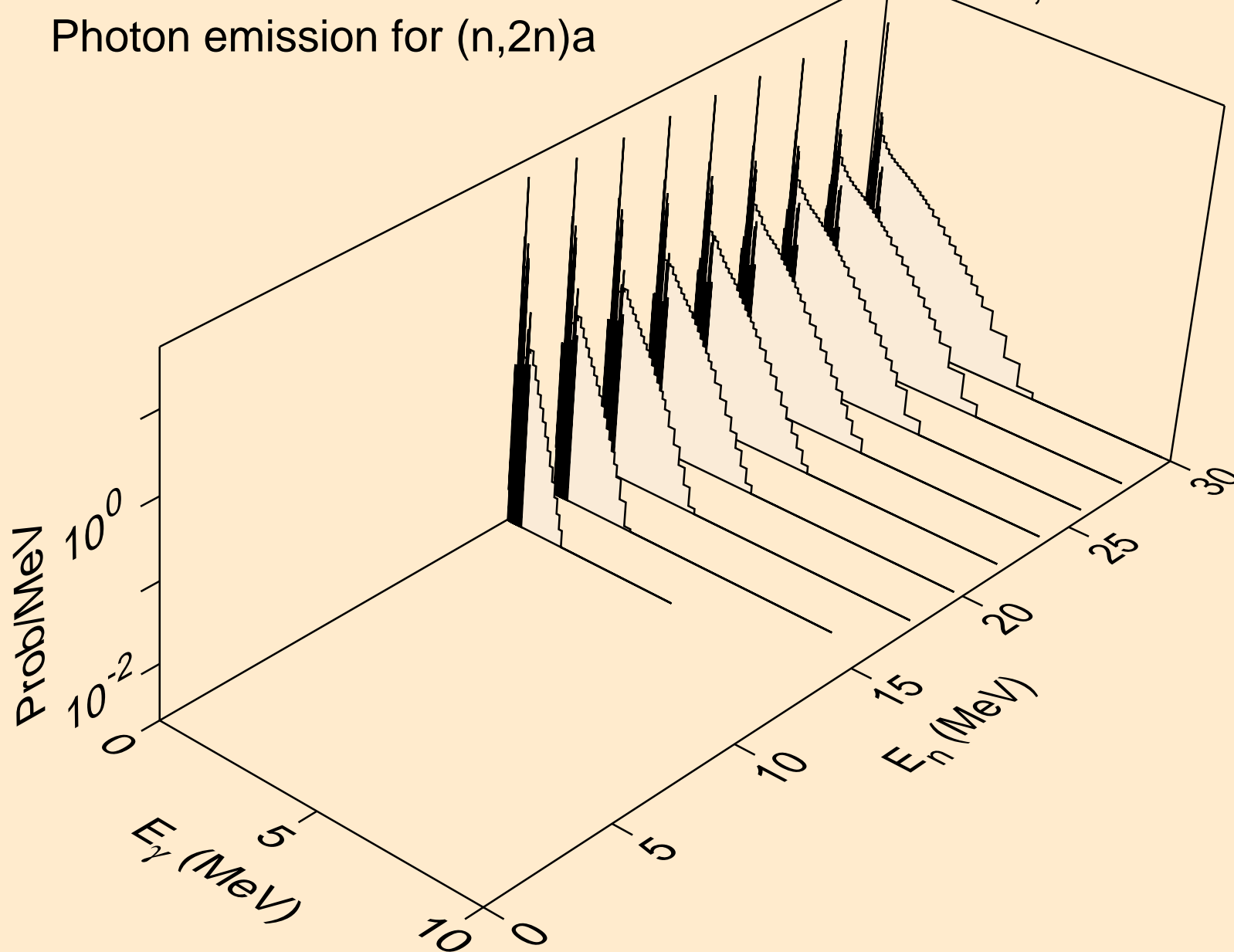
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3n)



TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)a

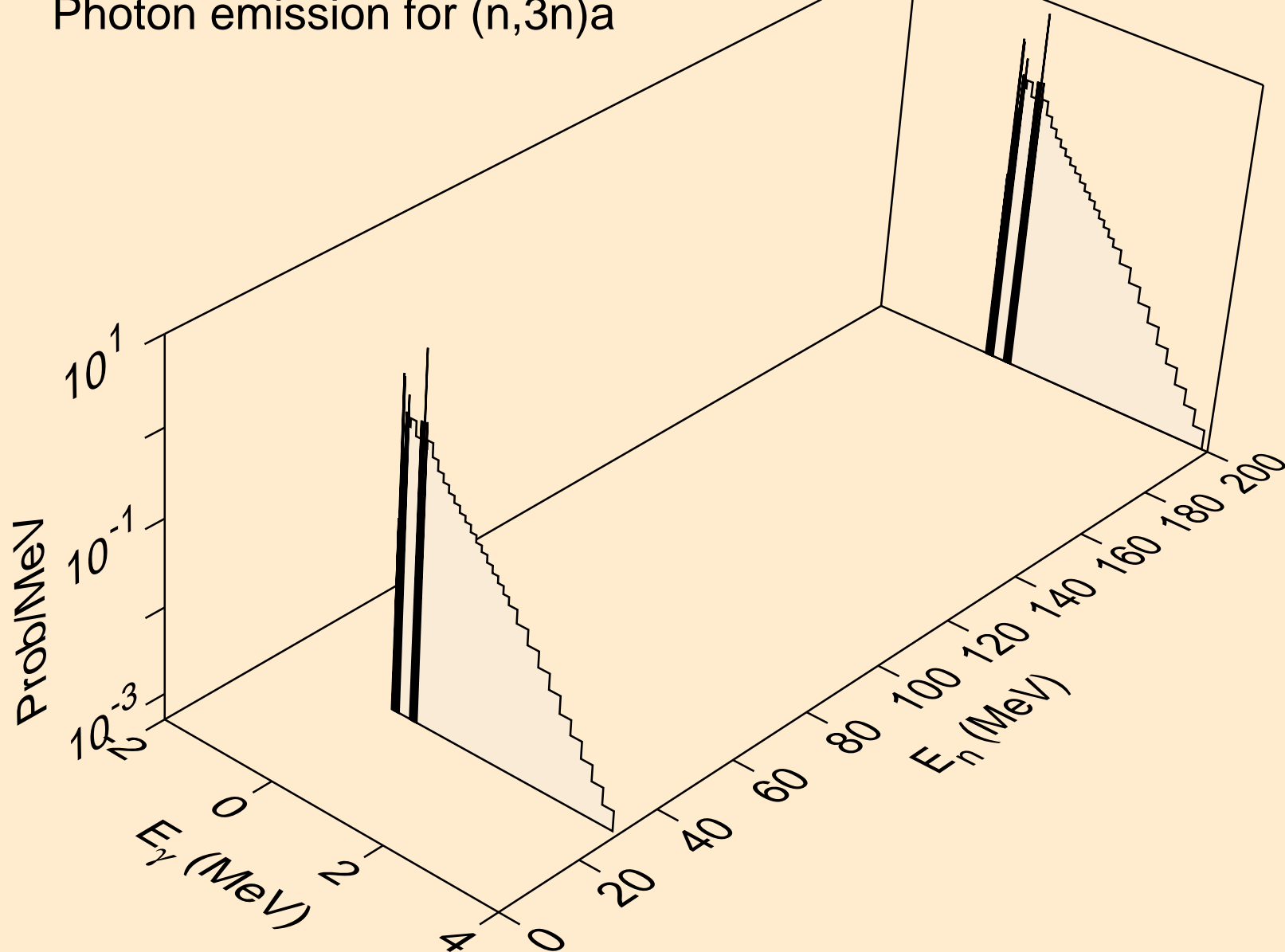


TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n) $\alpha$

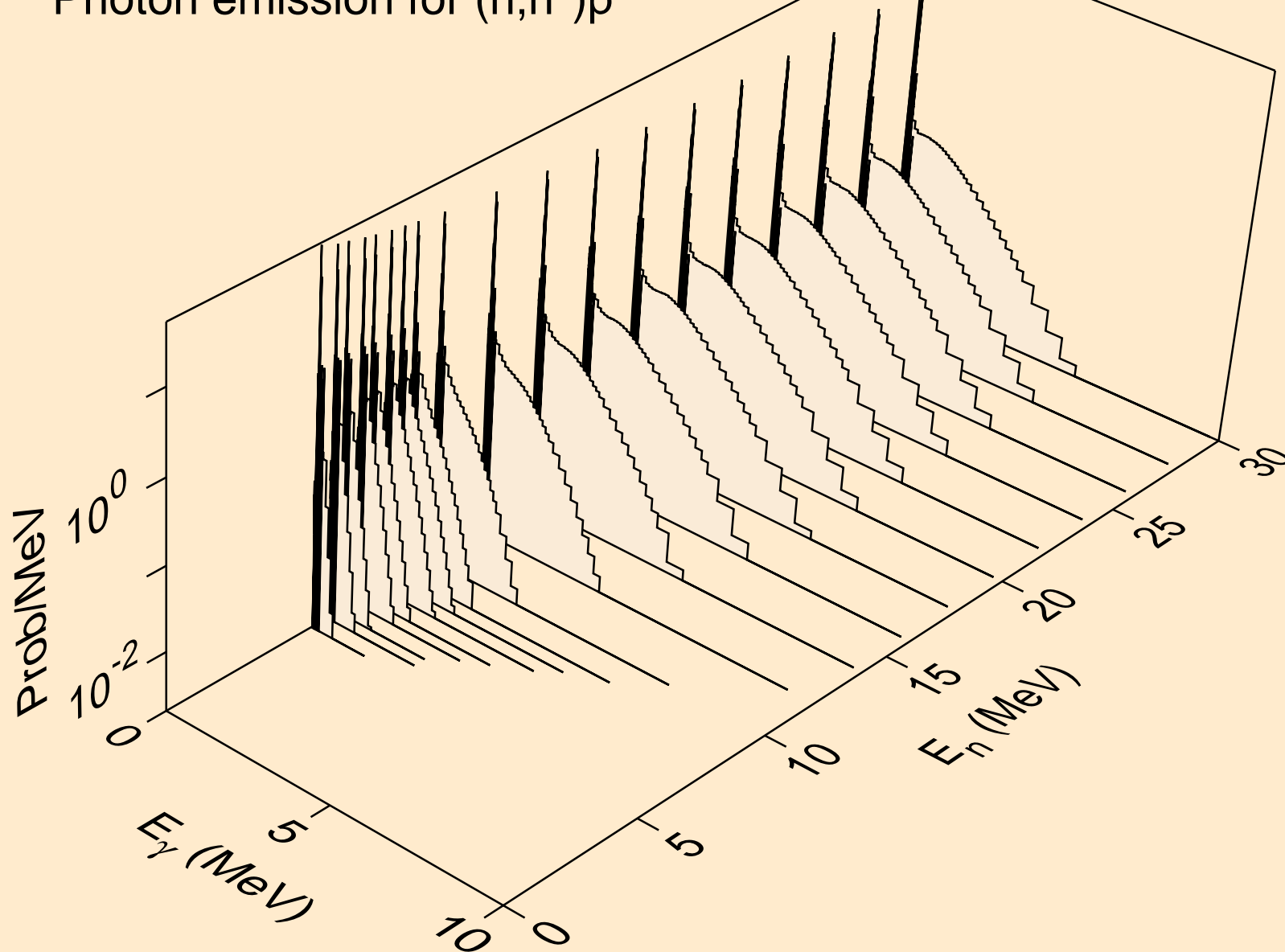




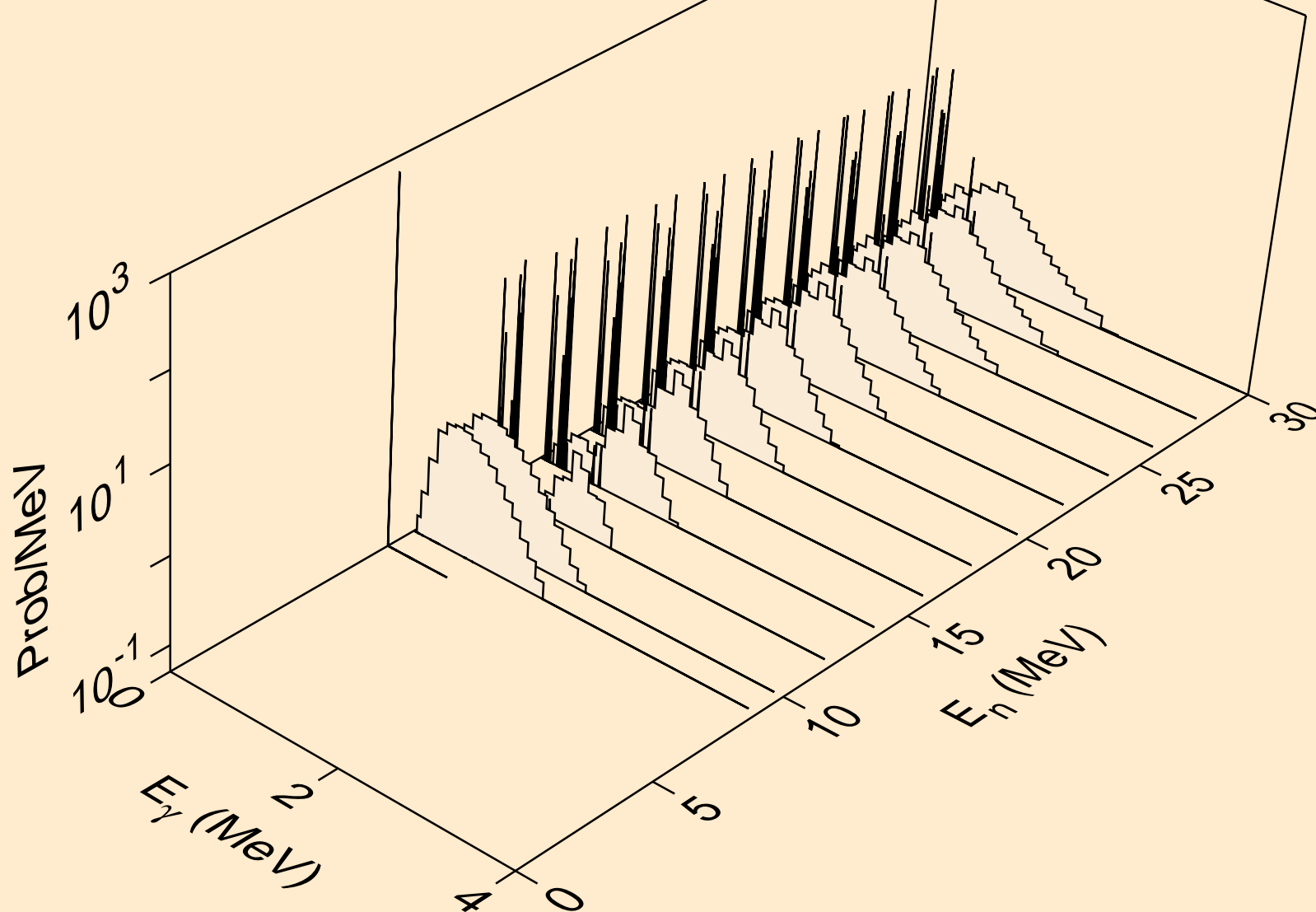
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3n)a



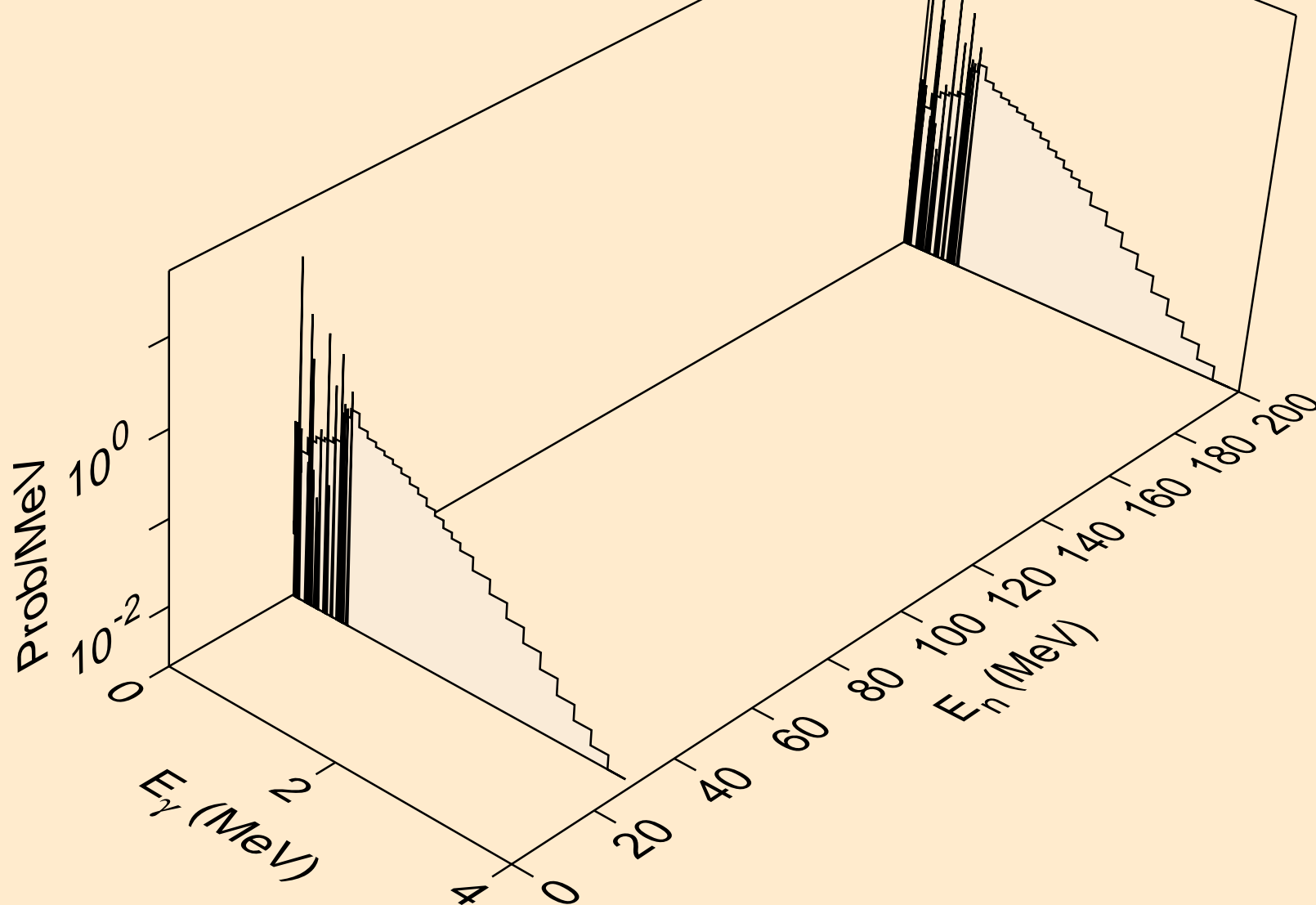
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)p



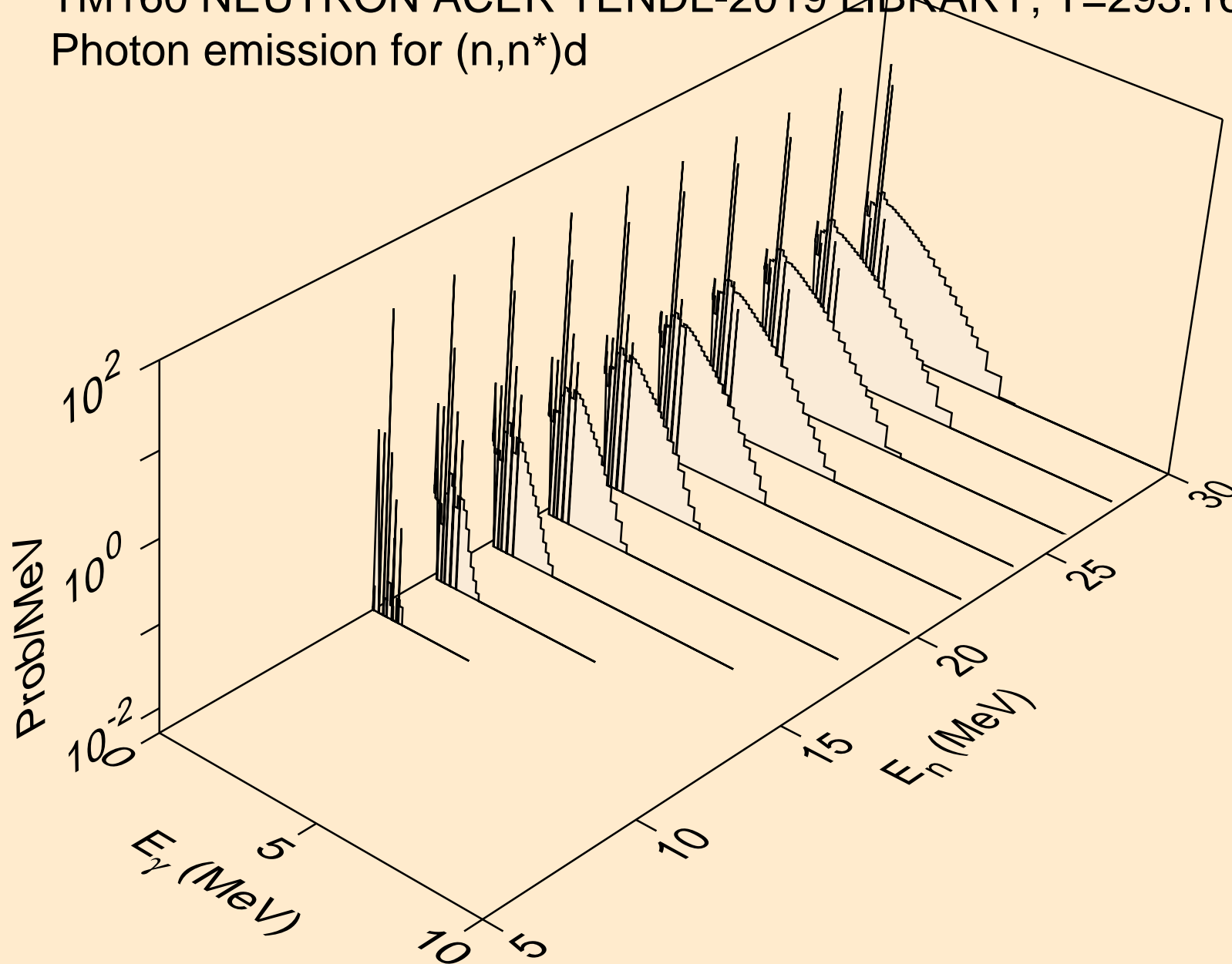
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)2a



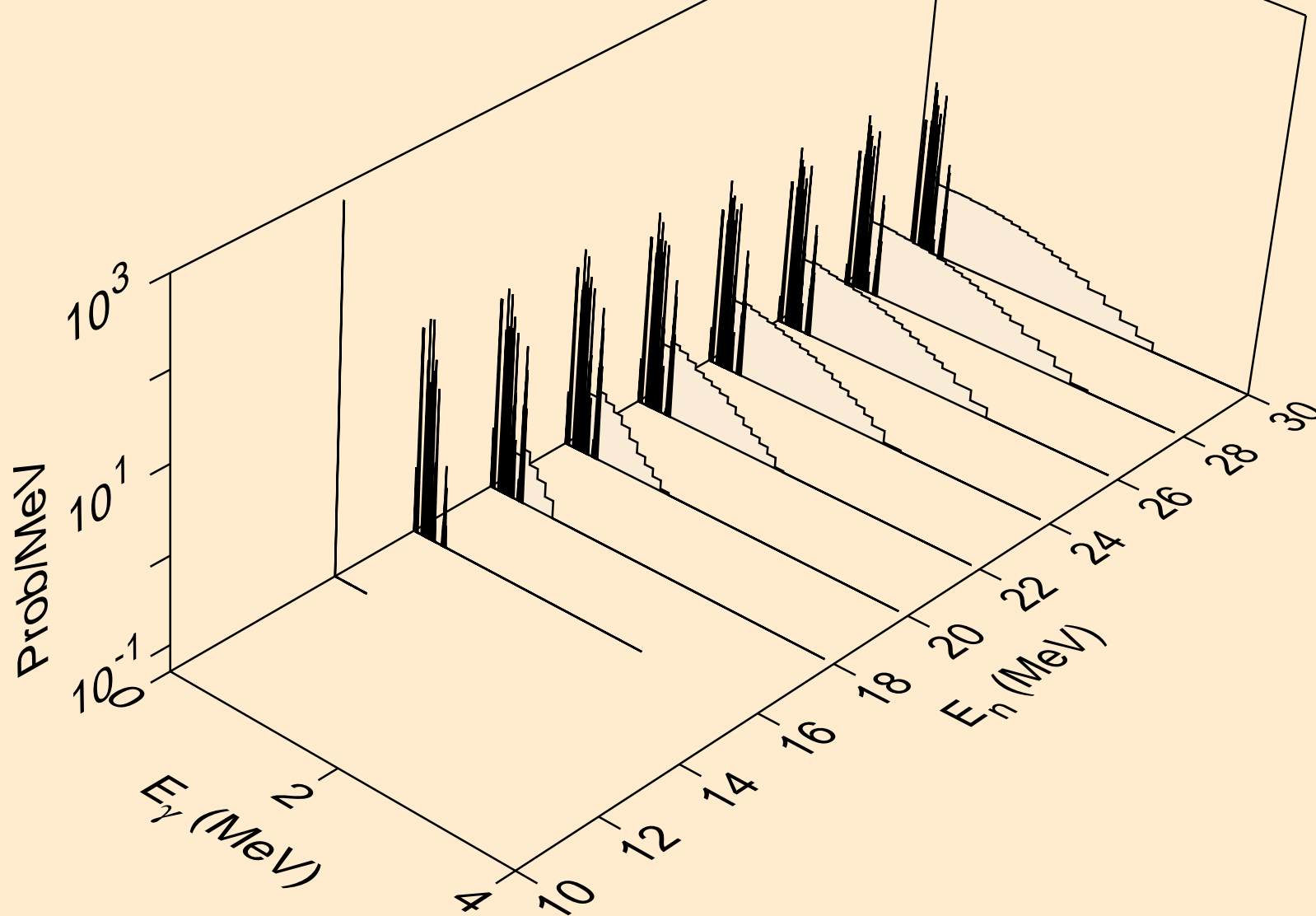
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n)2a



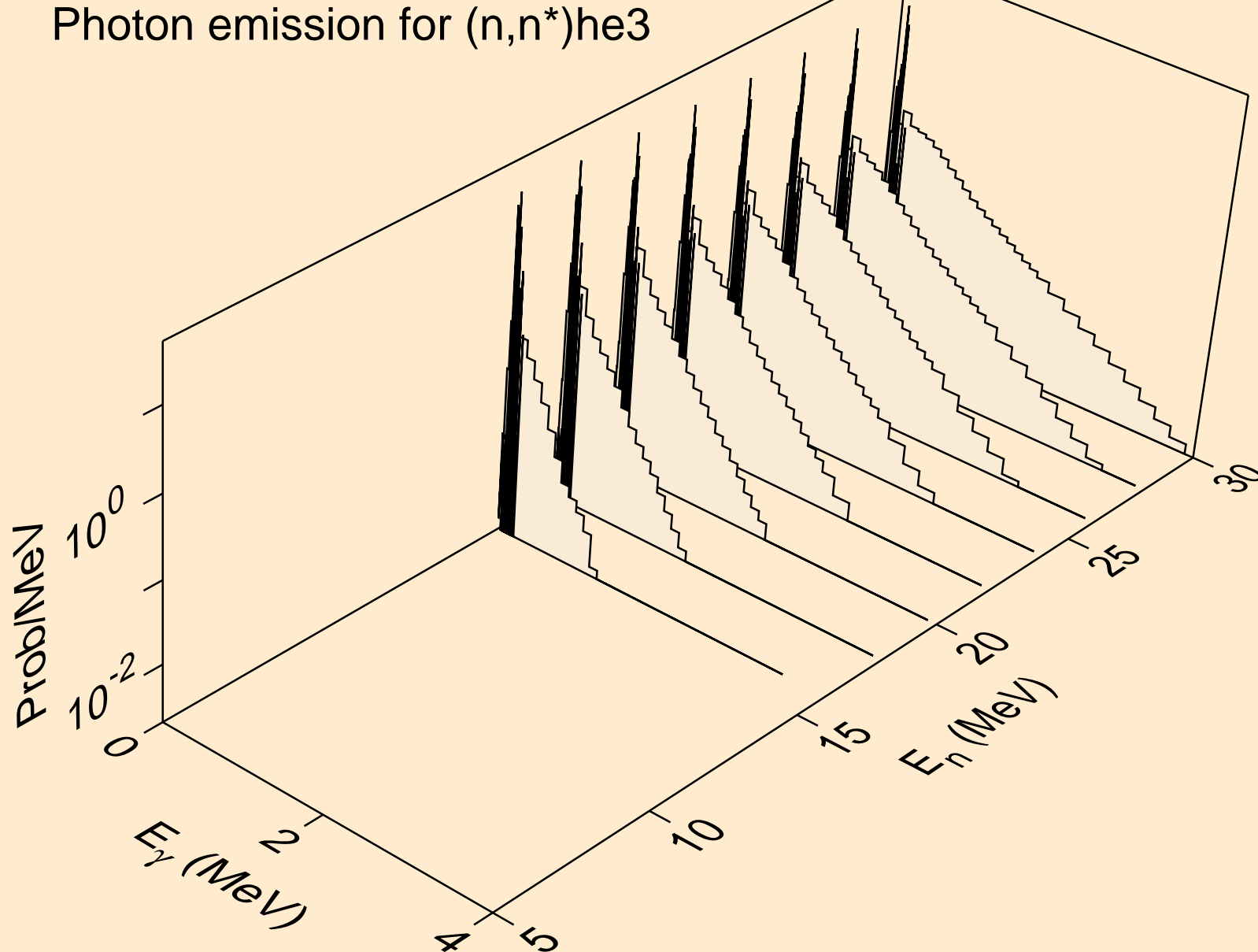
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)d



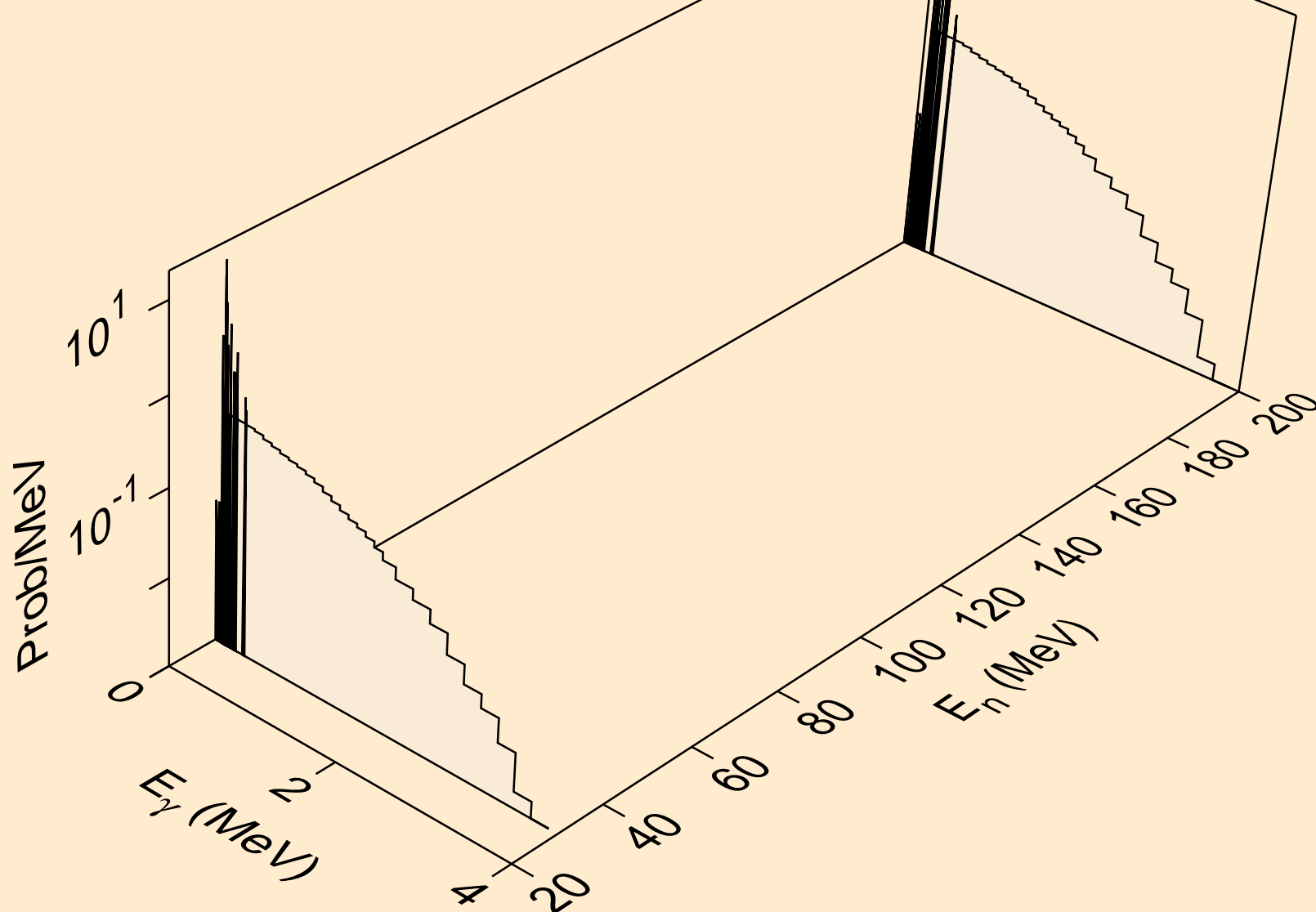
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)t



TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)he3

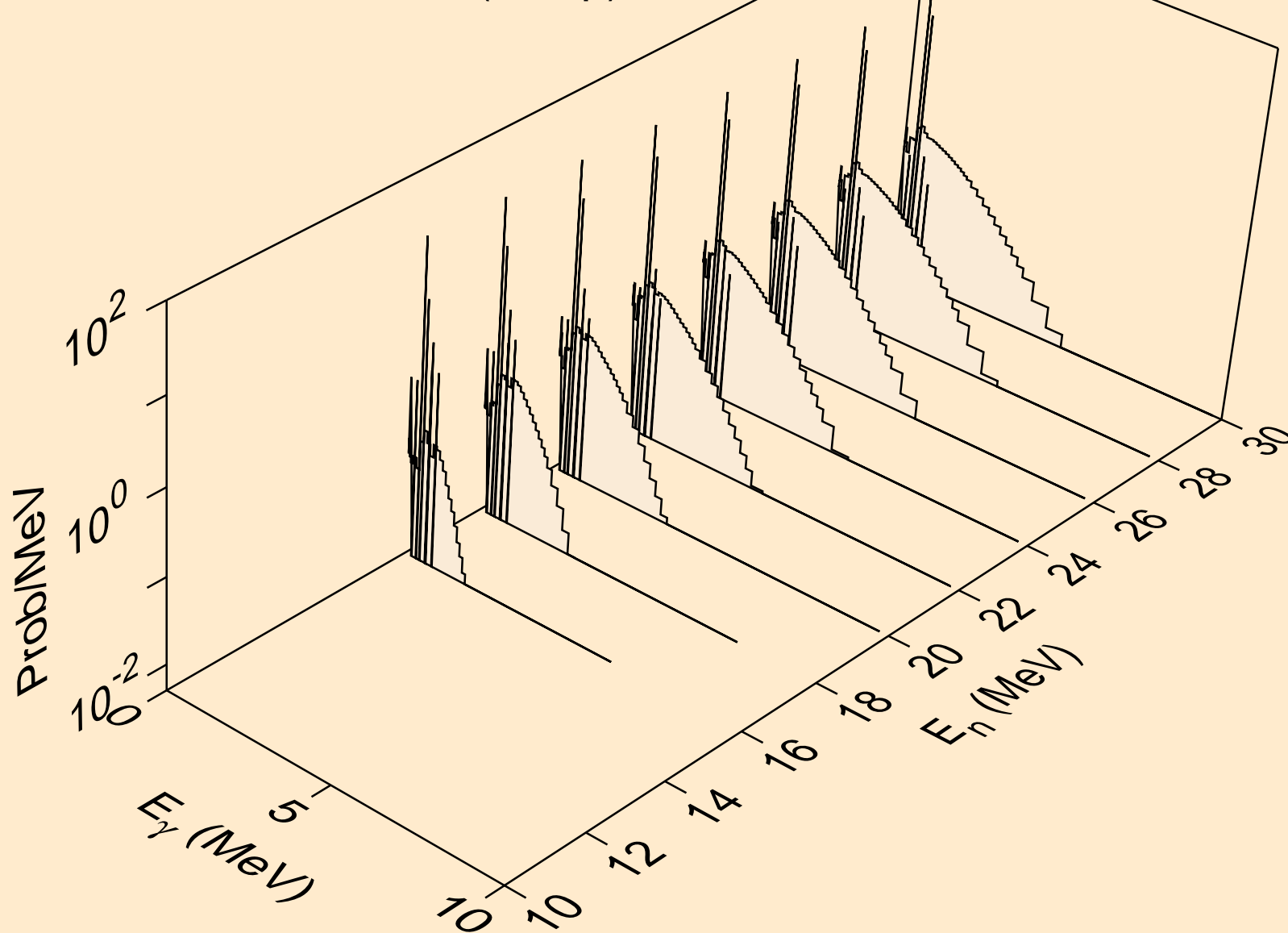


TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,4n)

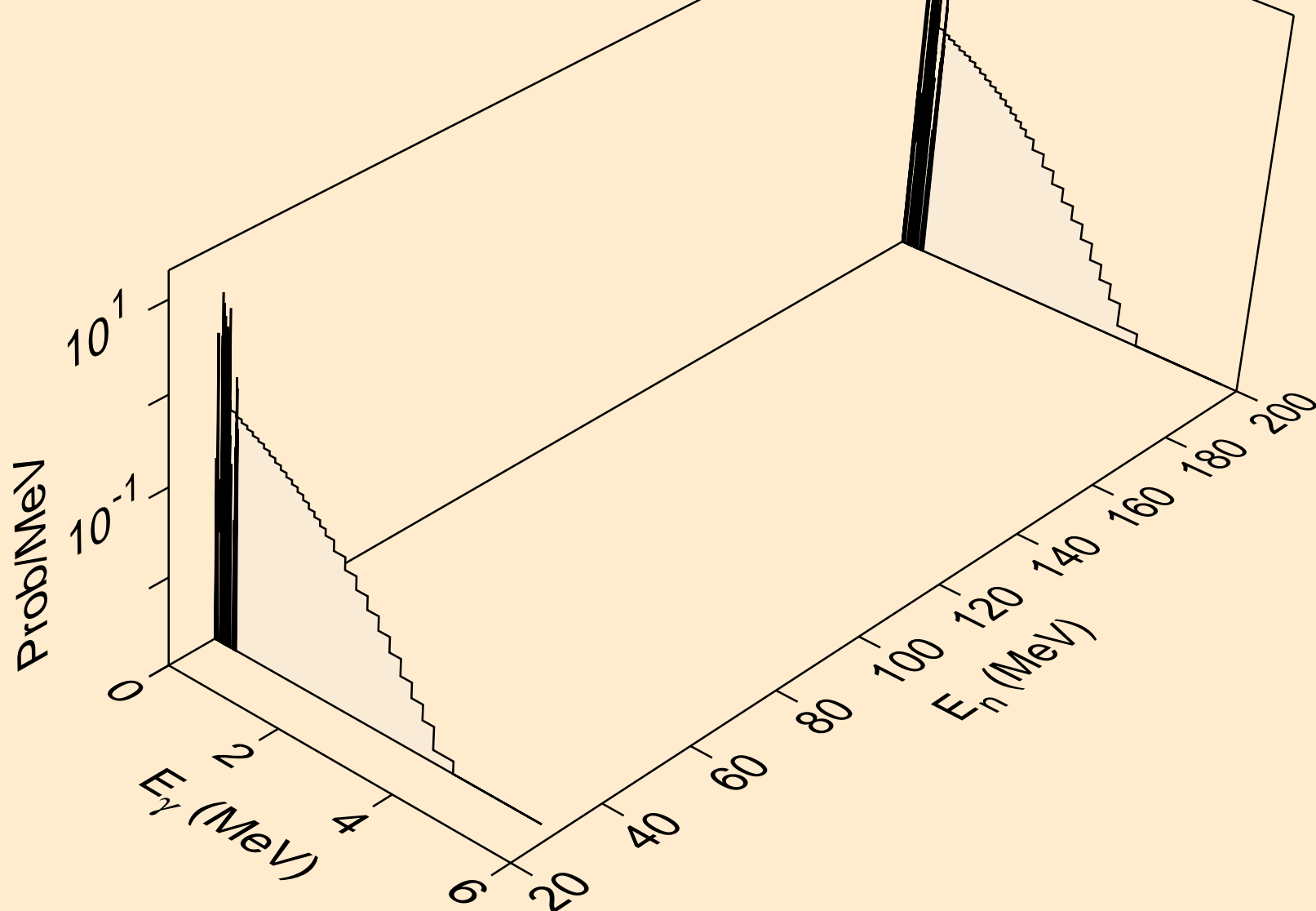




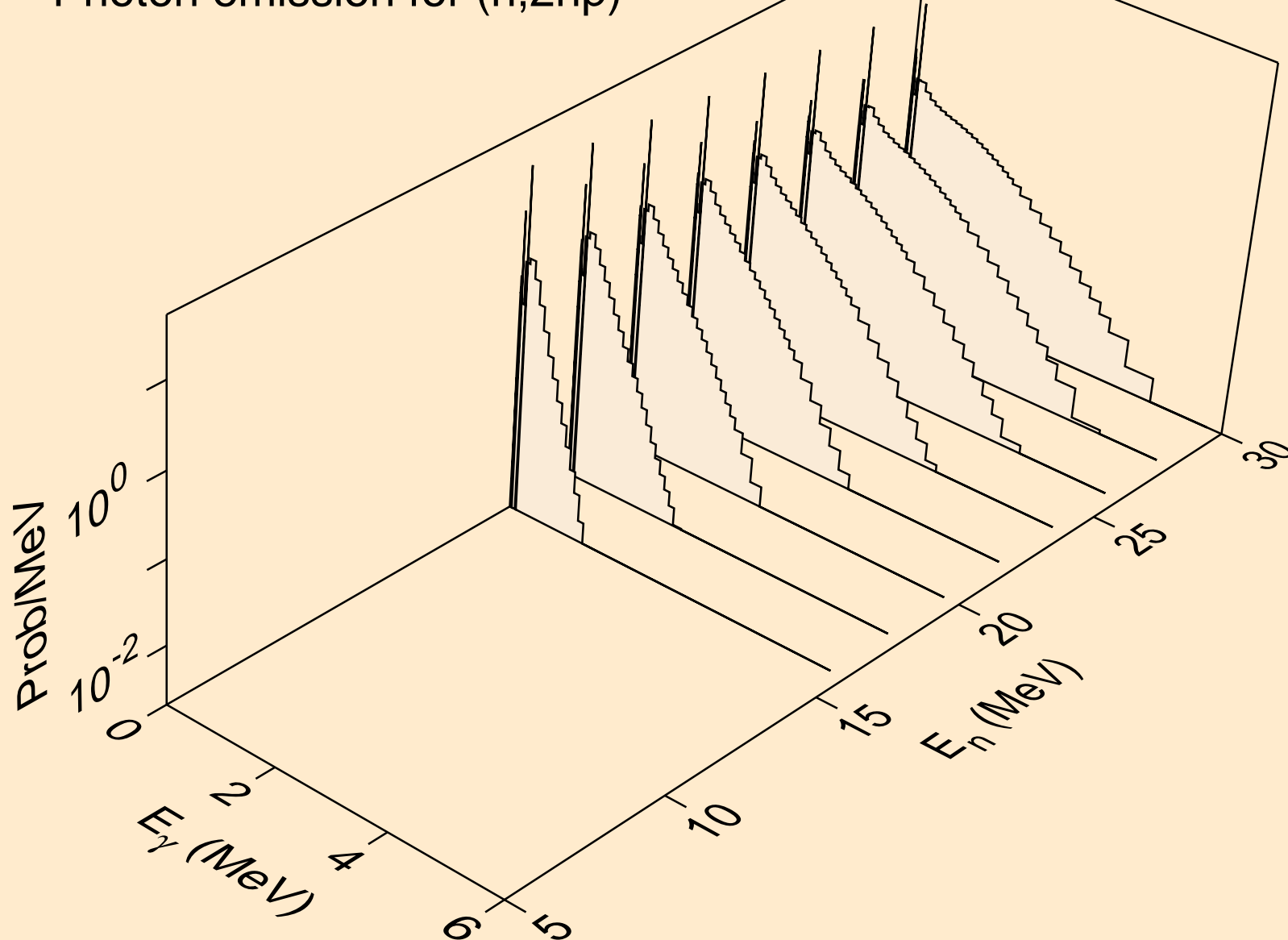
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2np)



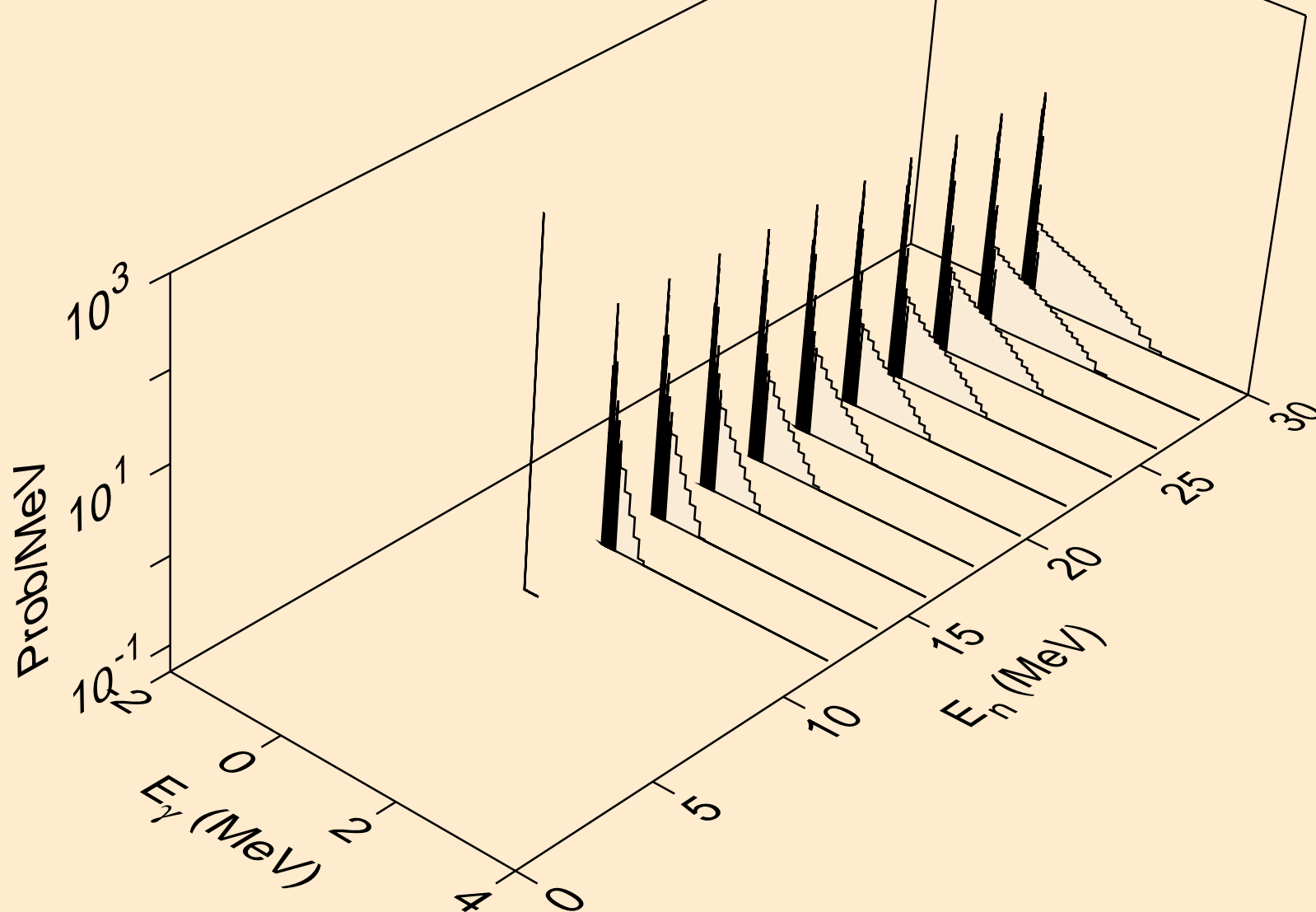
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3np)



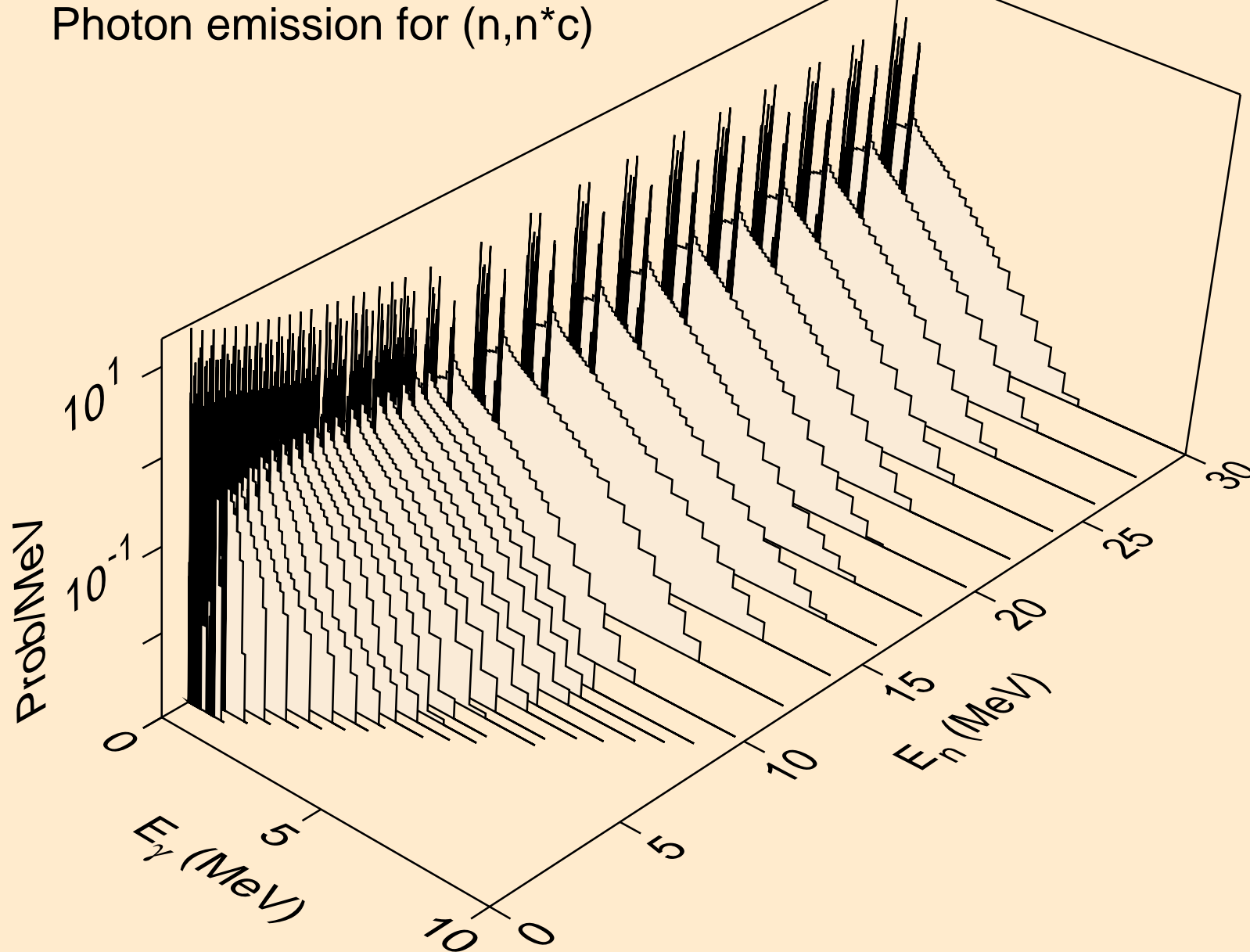
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2np)



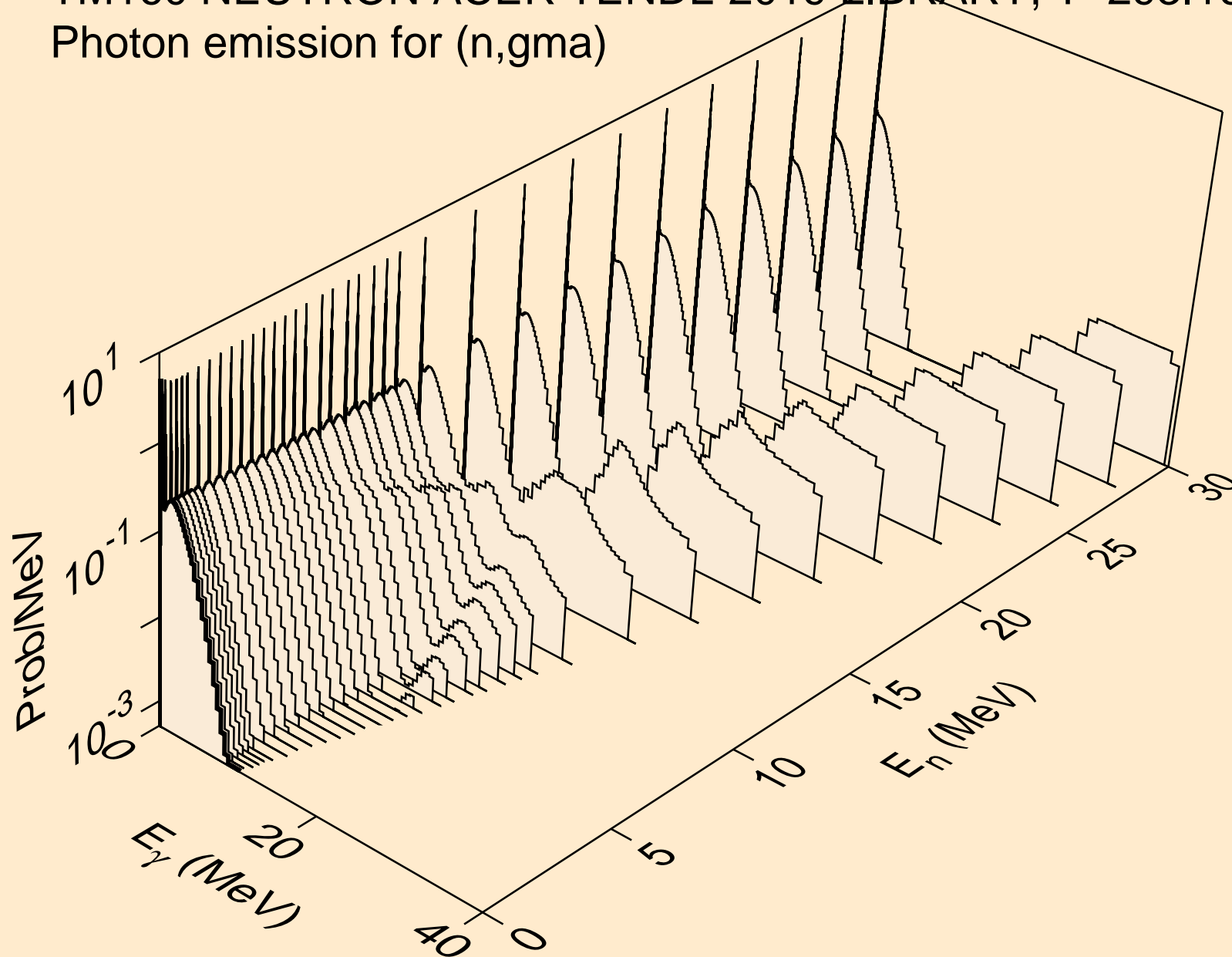
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,npa)



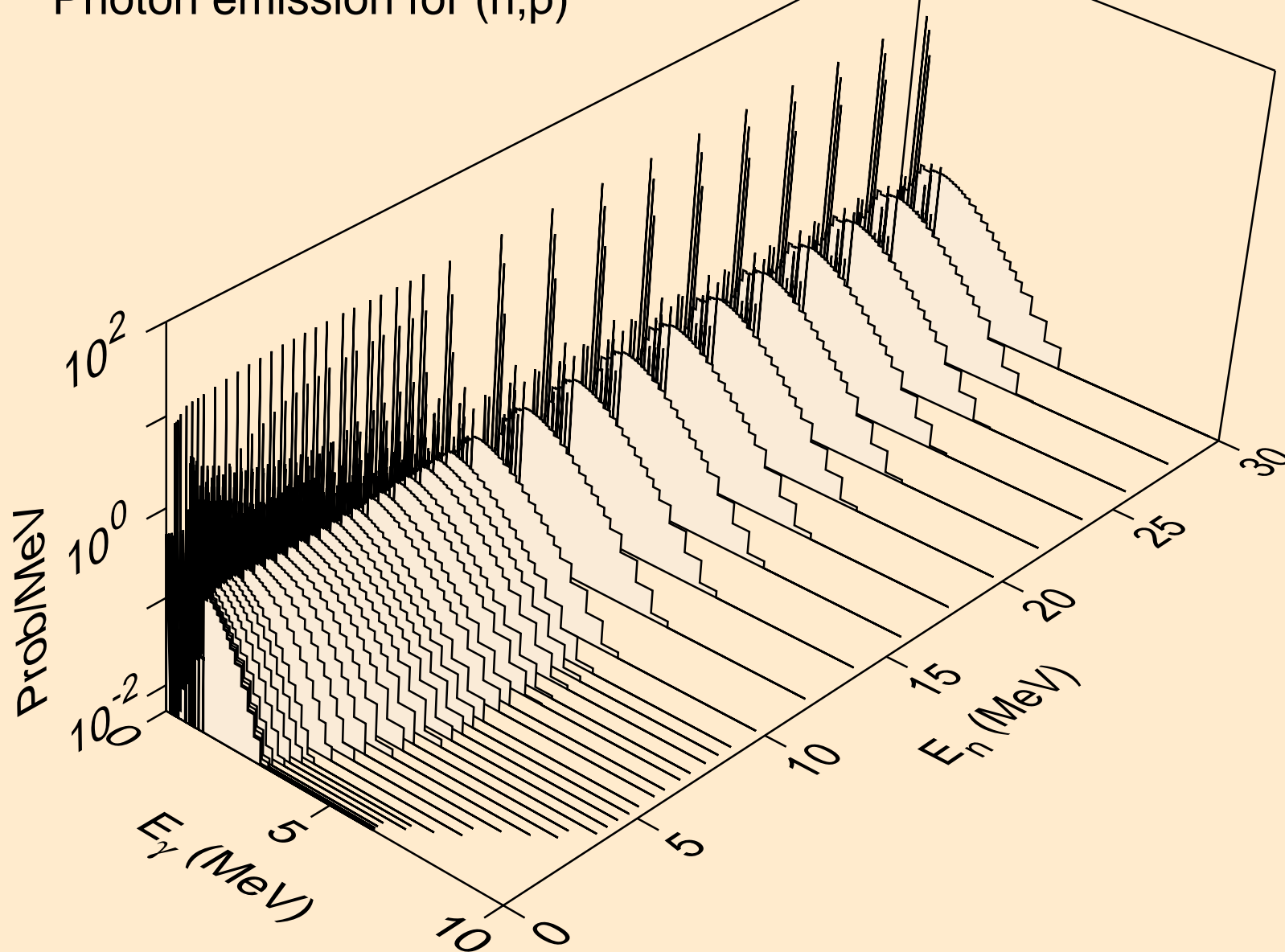
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*c)



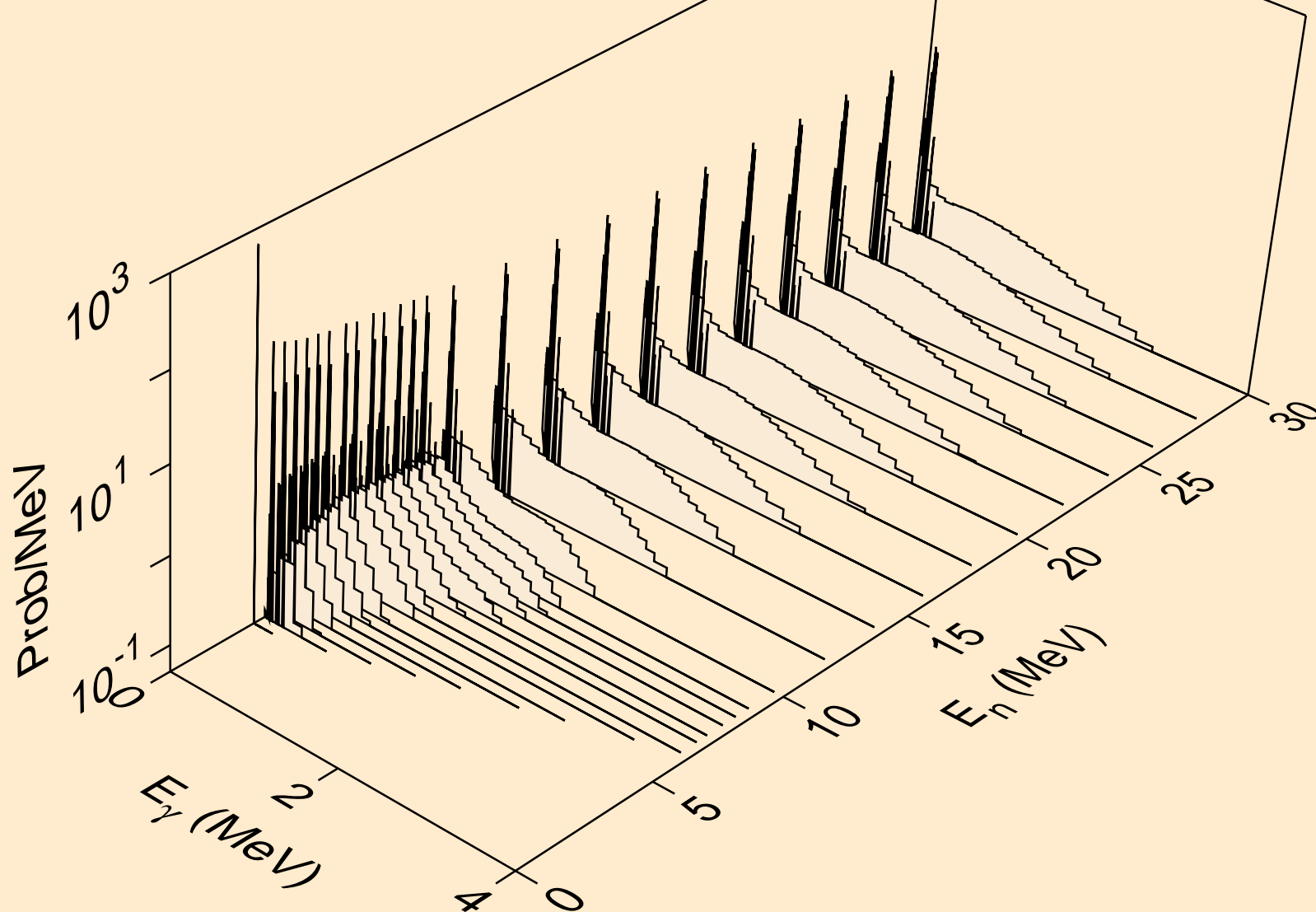
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,gma)



TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,p)

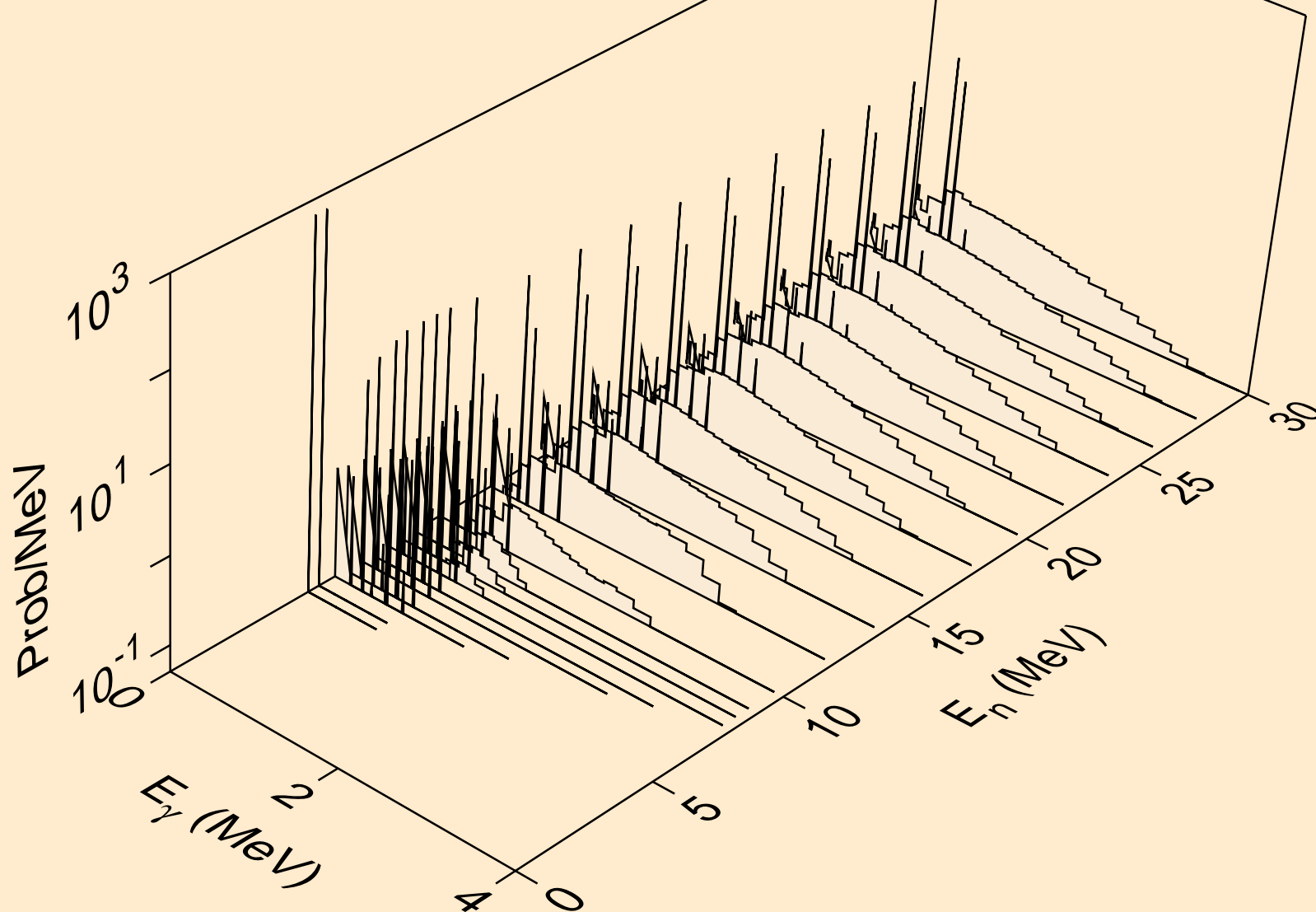


TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,d)

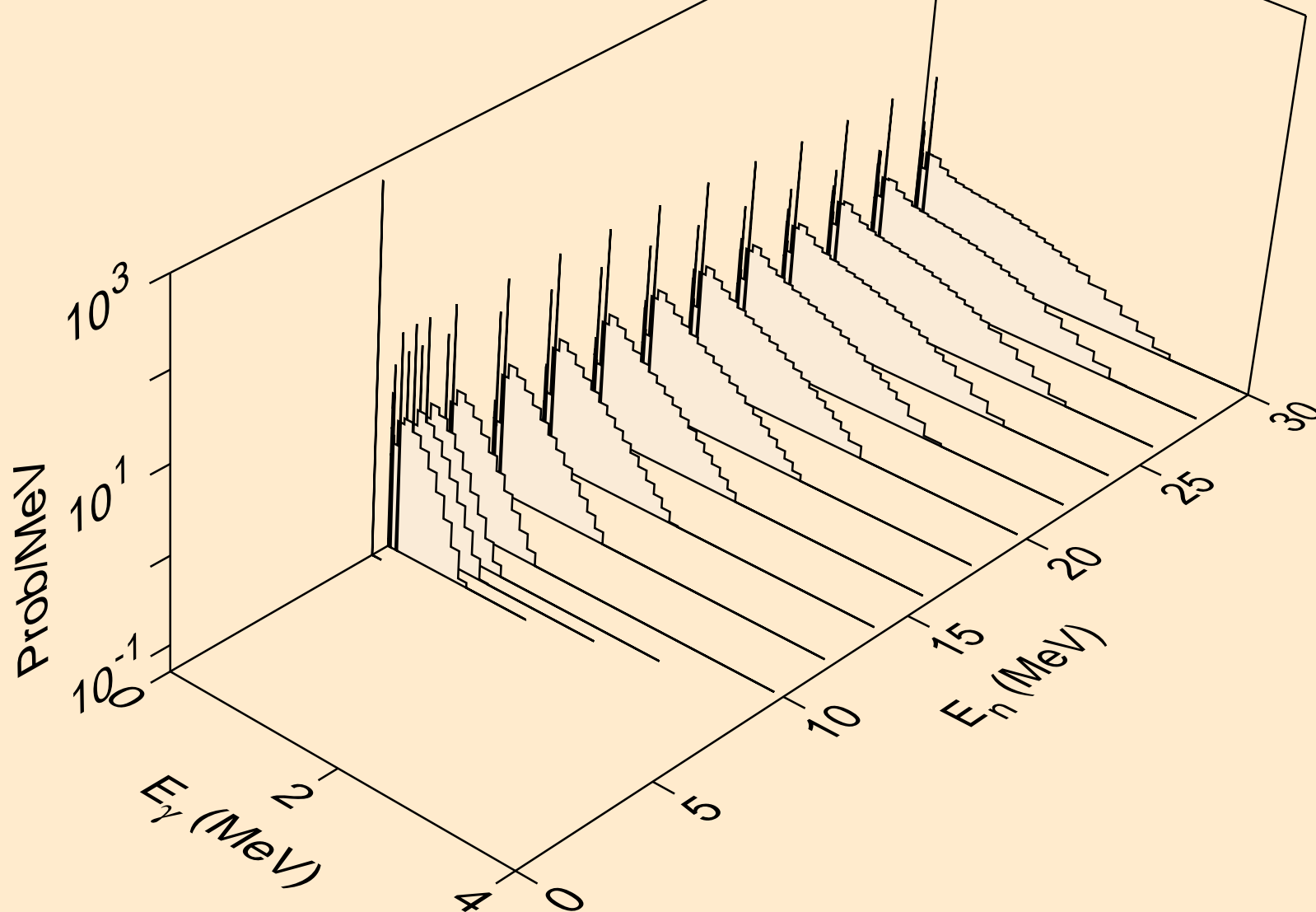




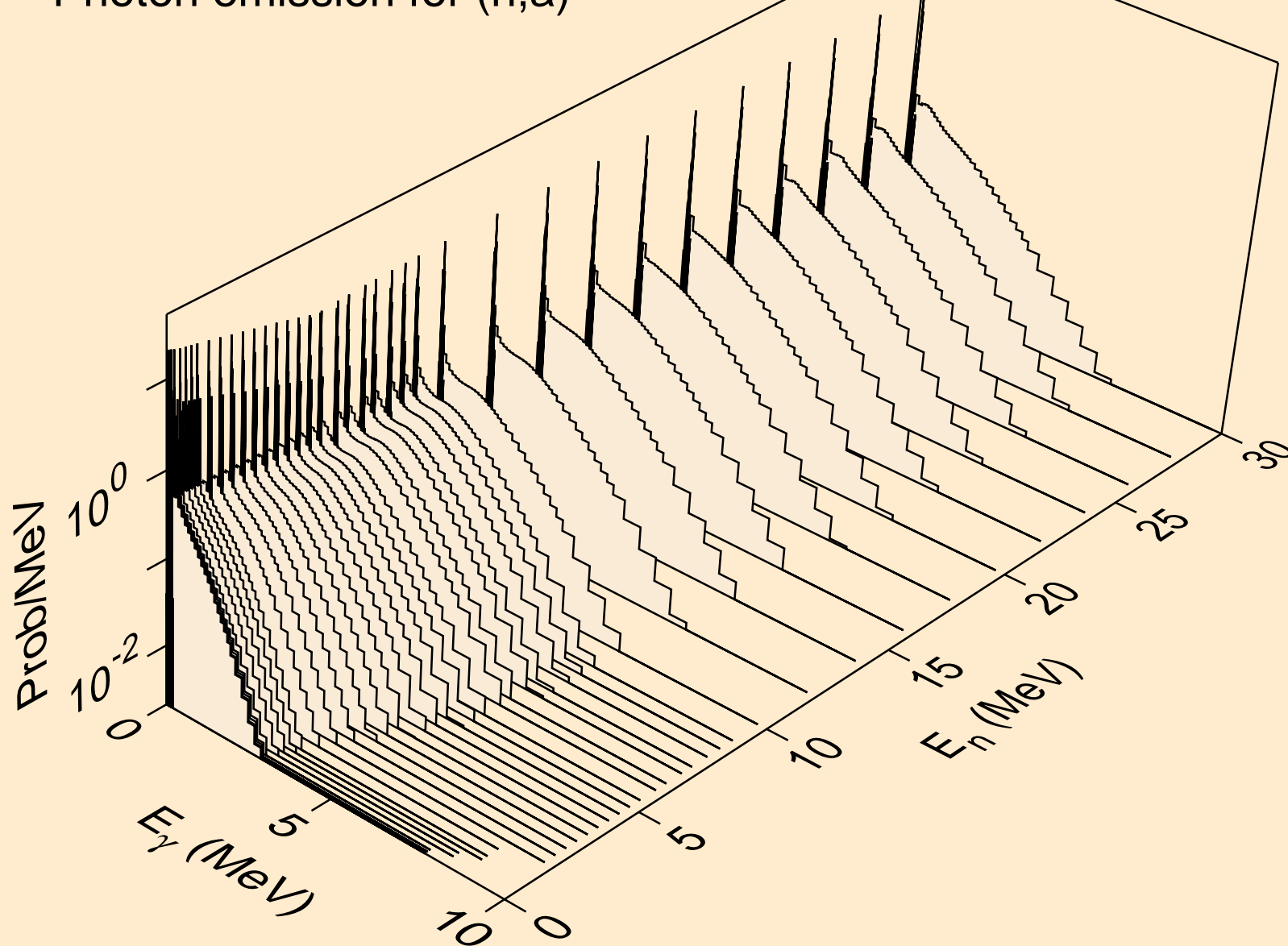
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,t)



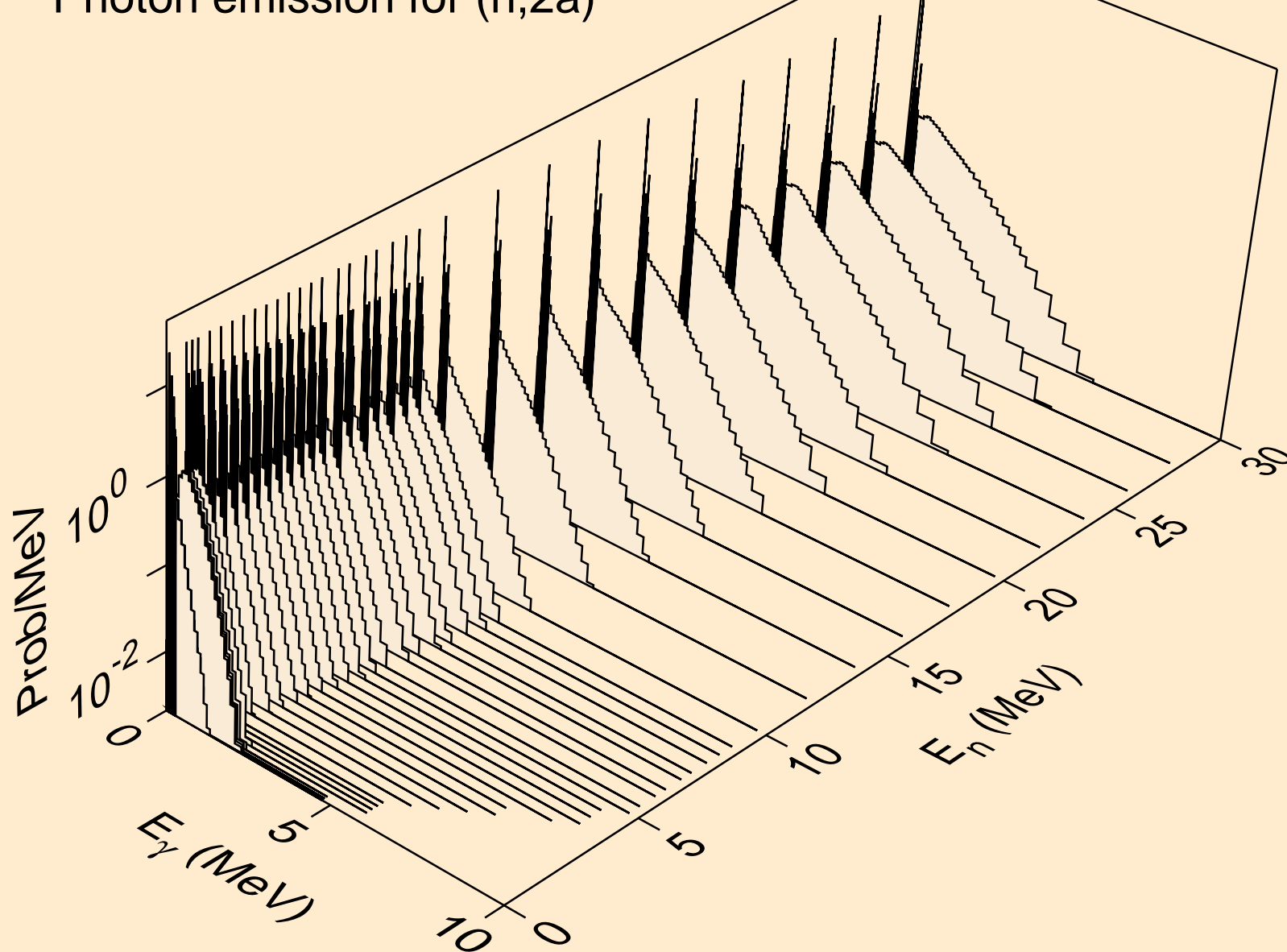
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,he3)



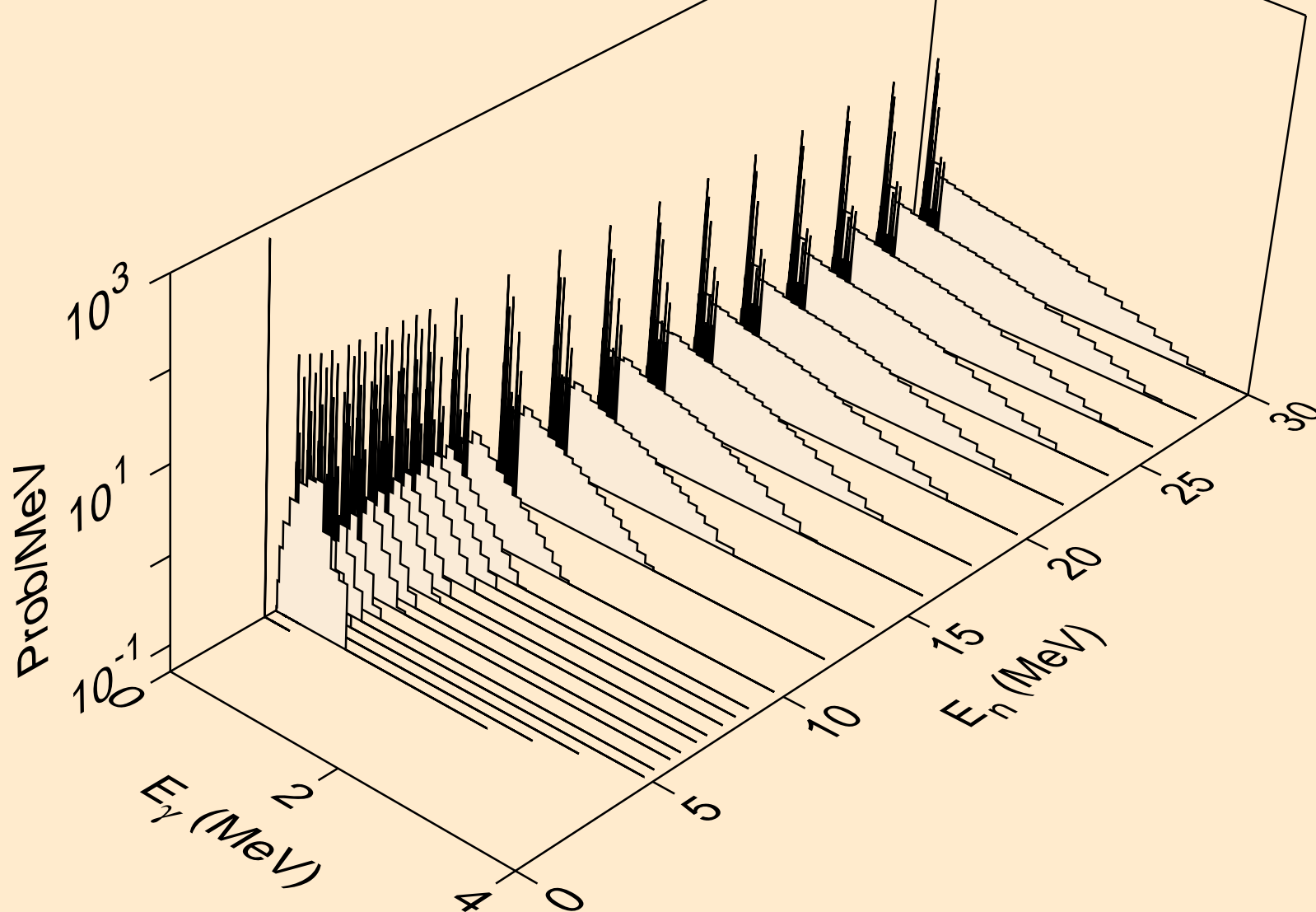
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,a)



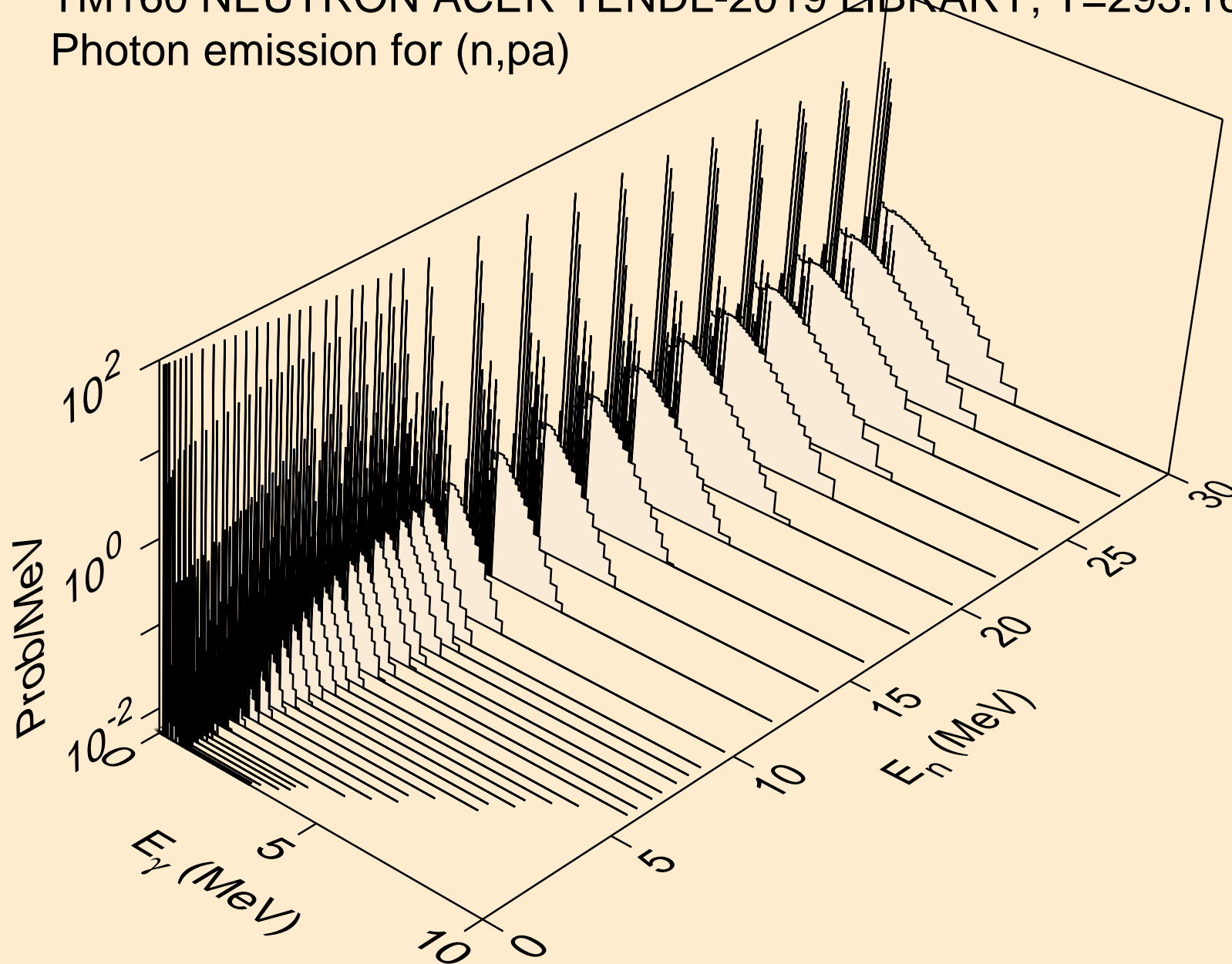
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2a)



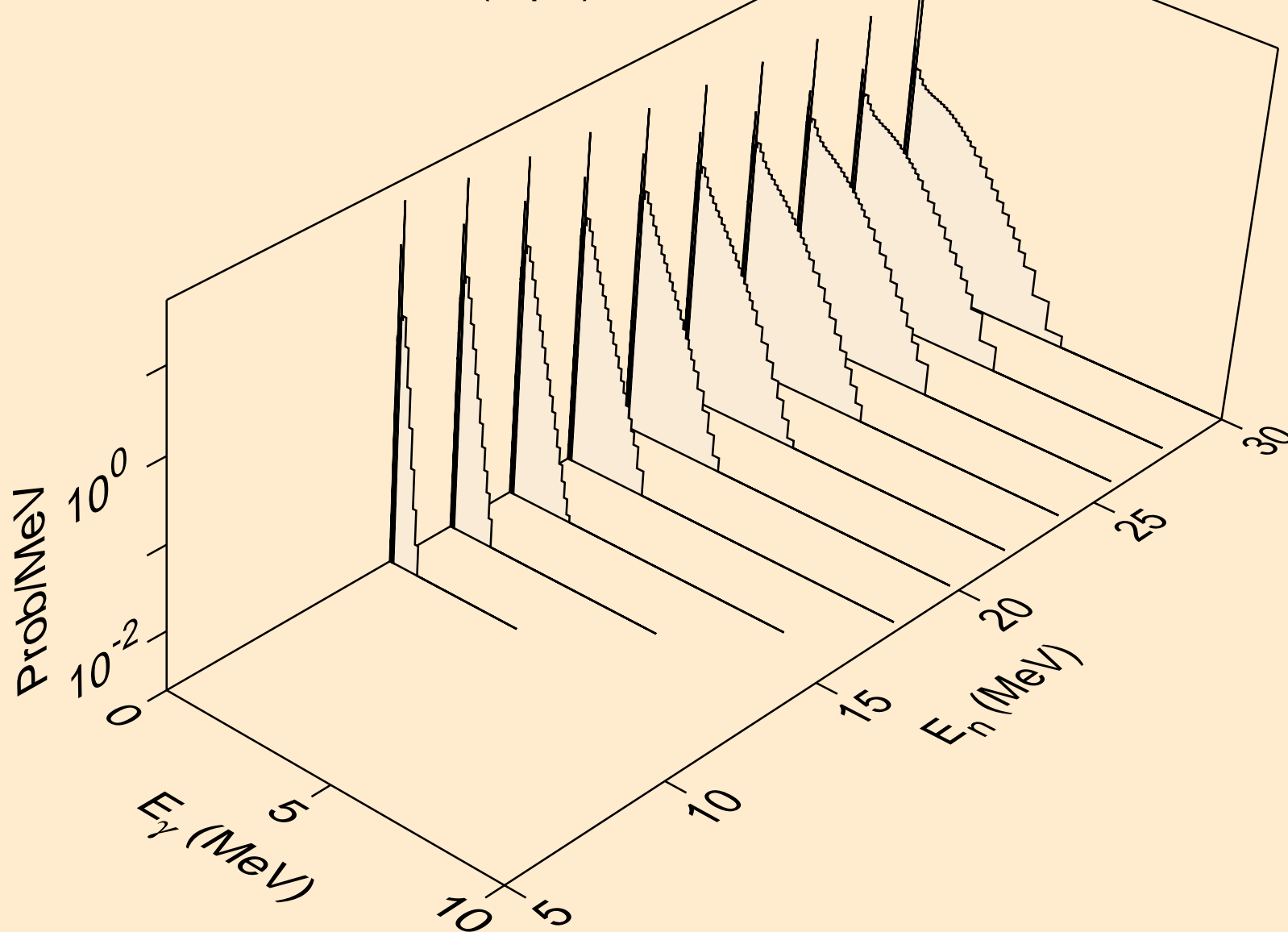
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2p)



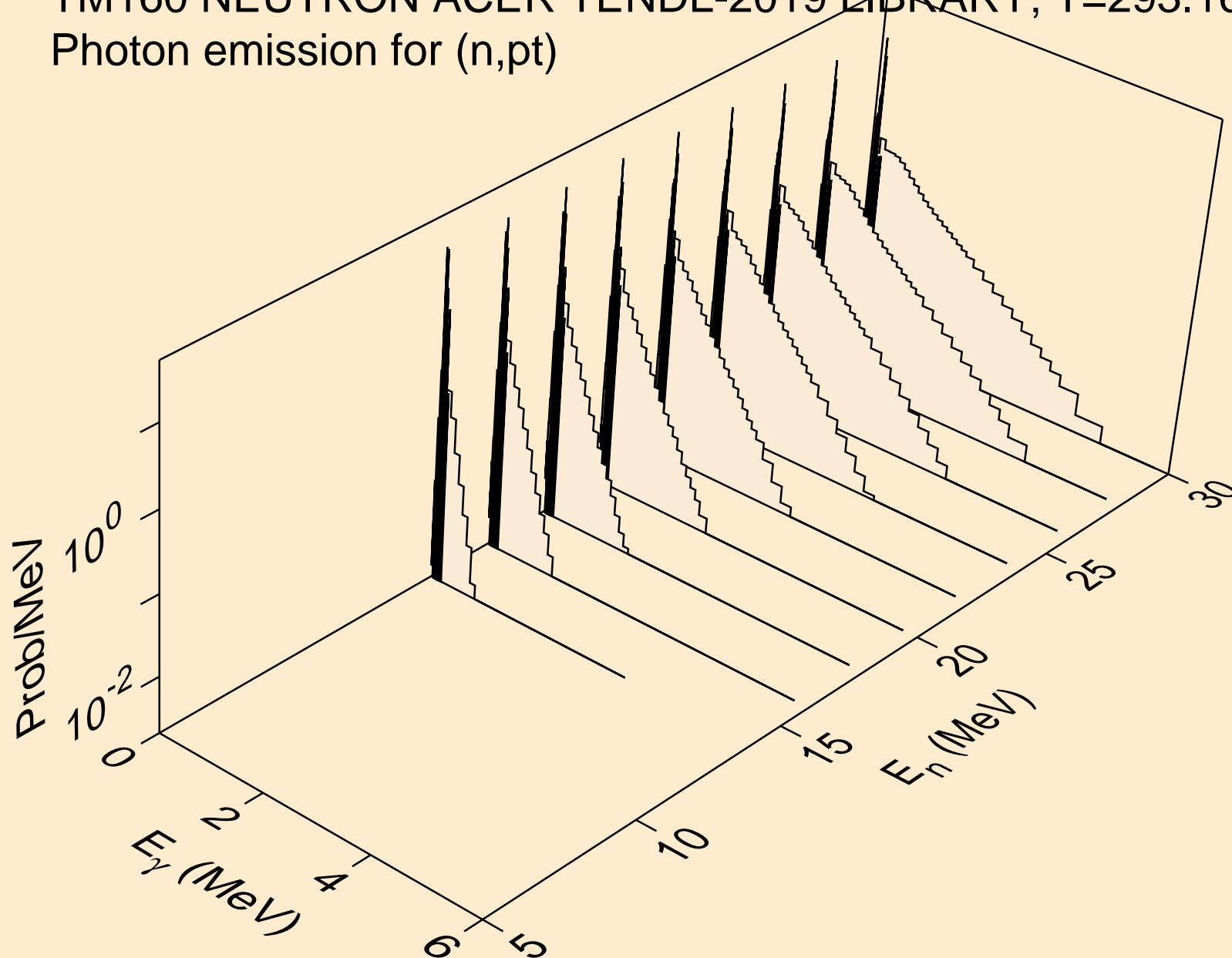
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,p $\alpha$ )



TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,pd)

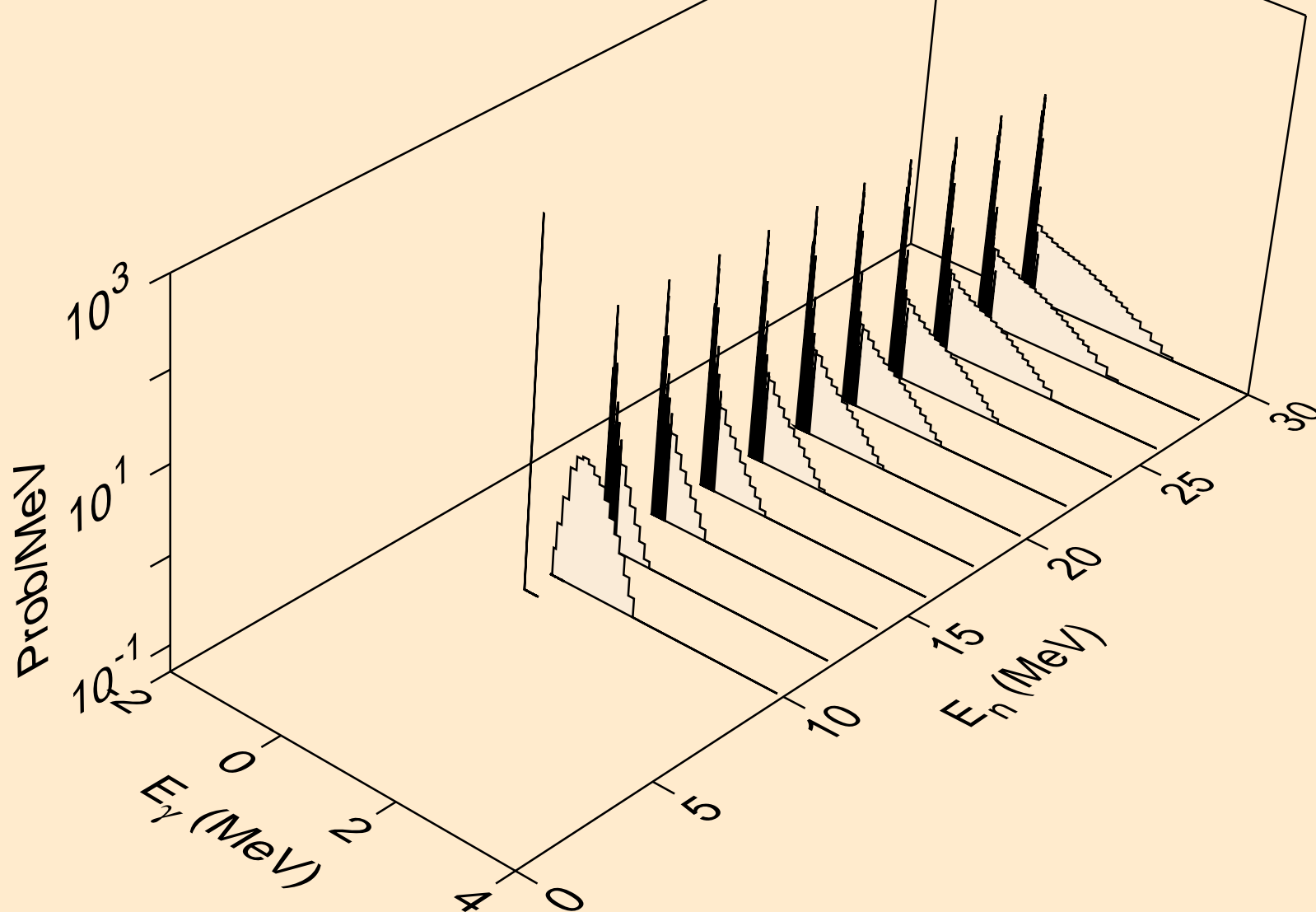


TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,pt)

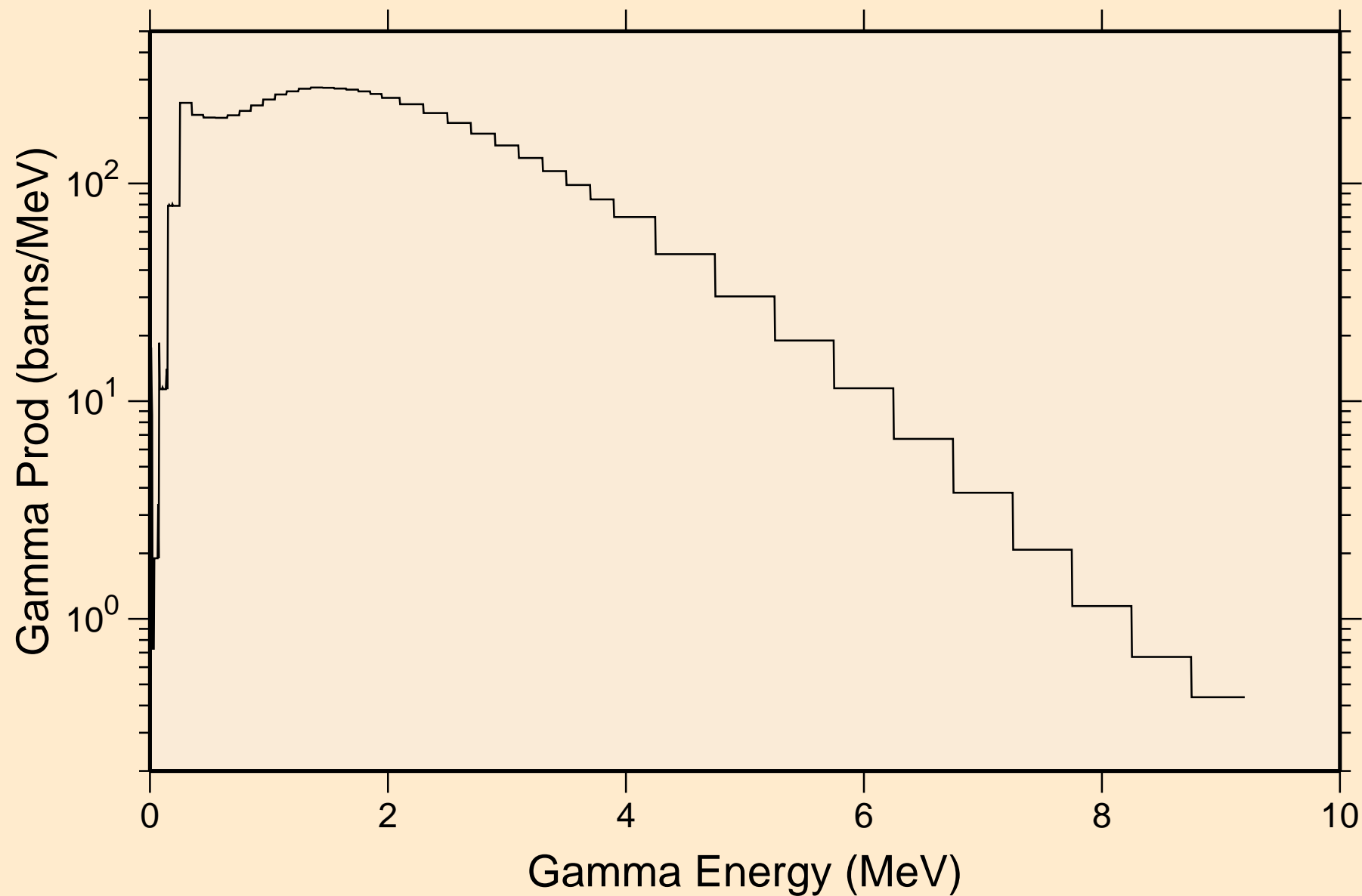




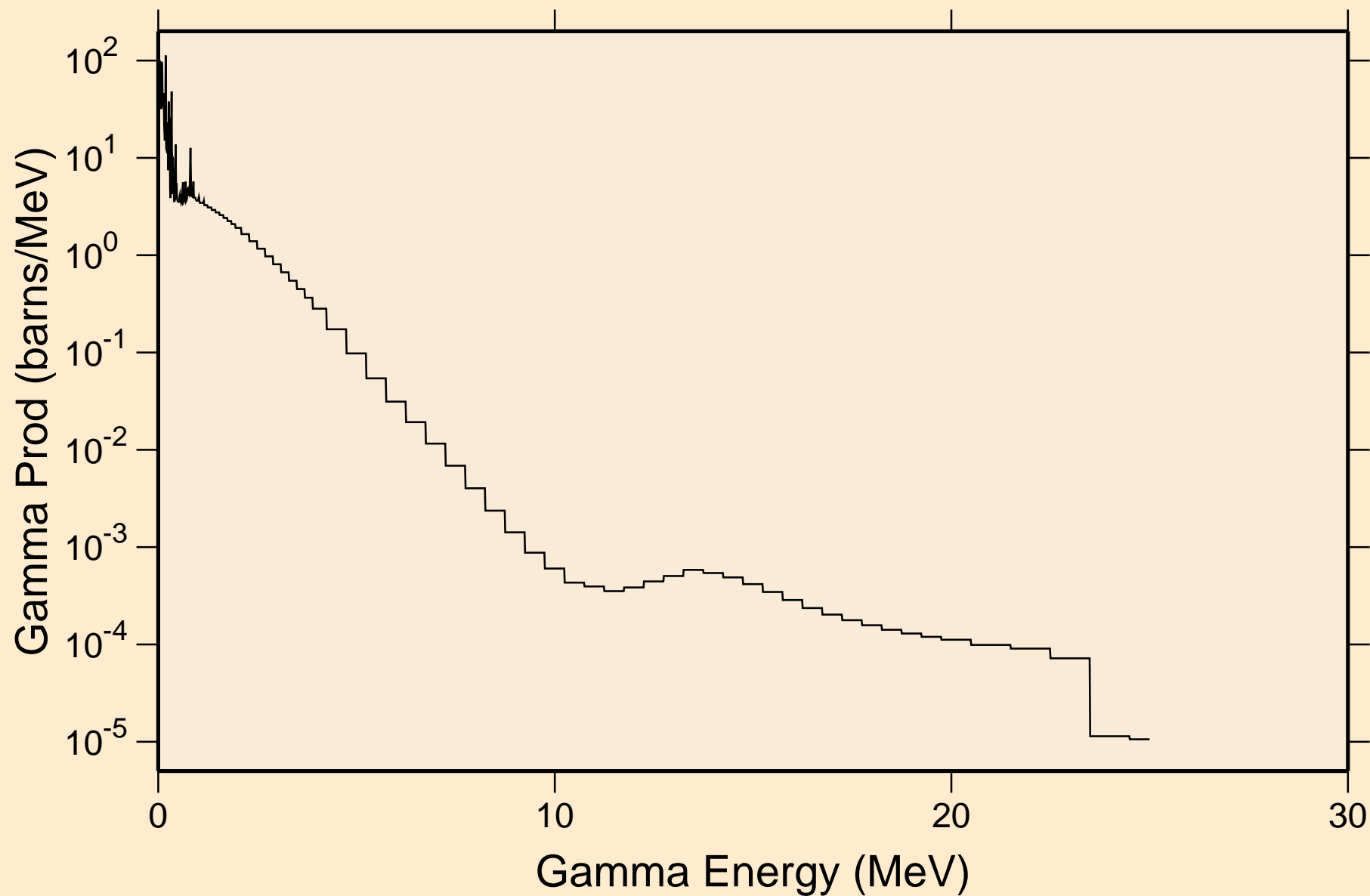
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,da)



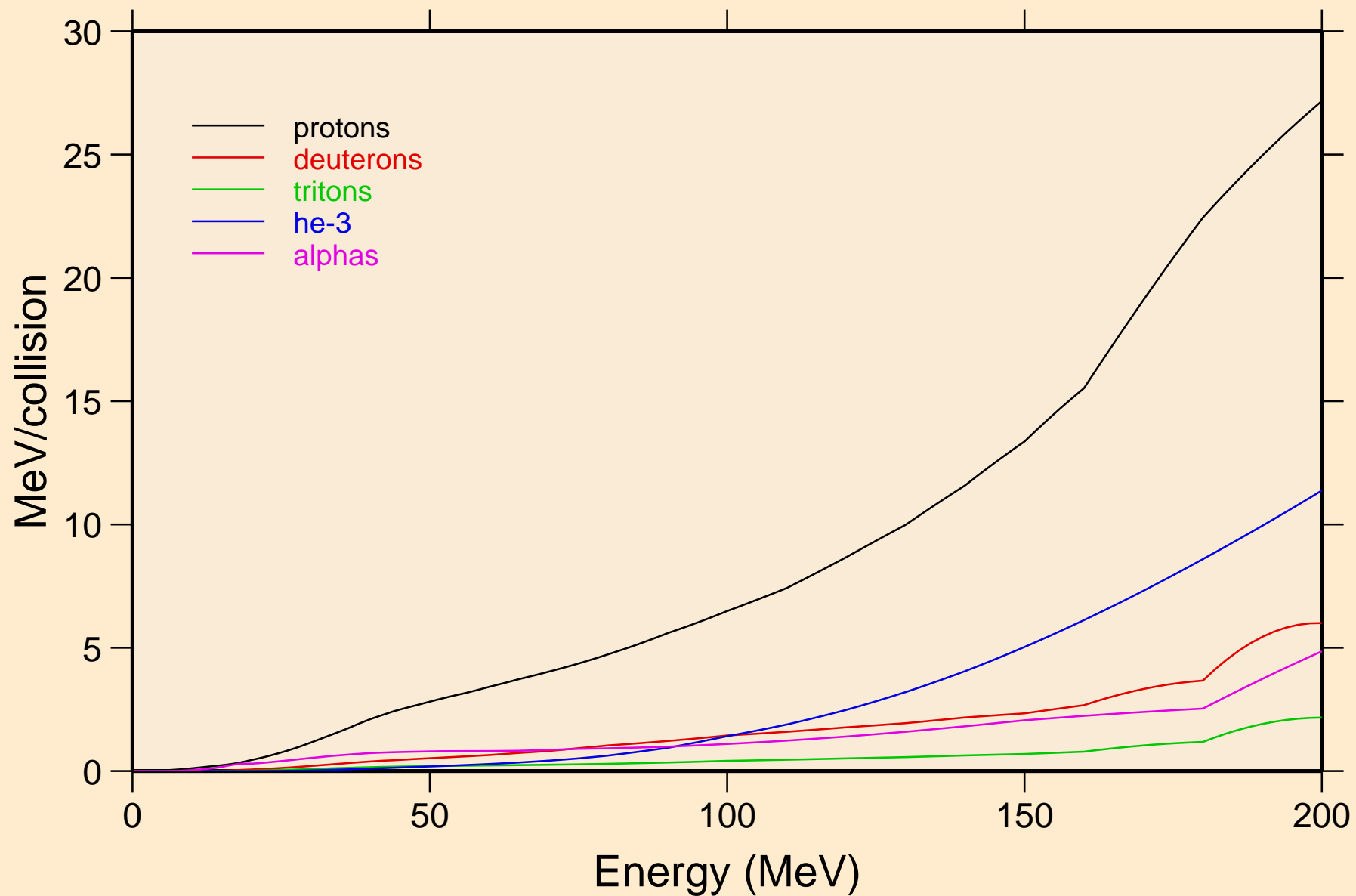
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
thermal capture photon spectrum



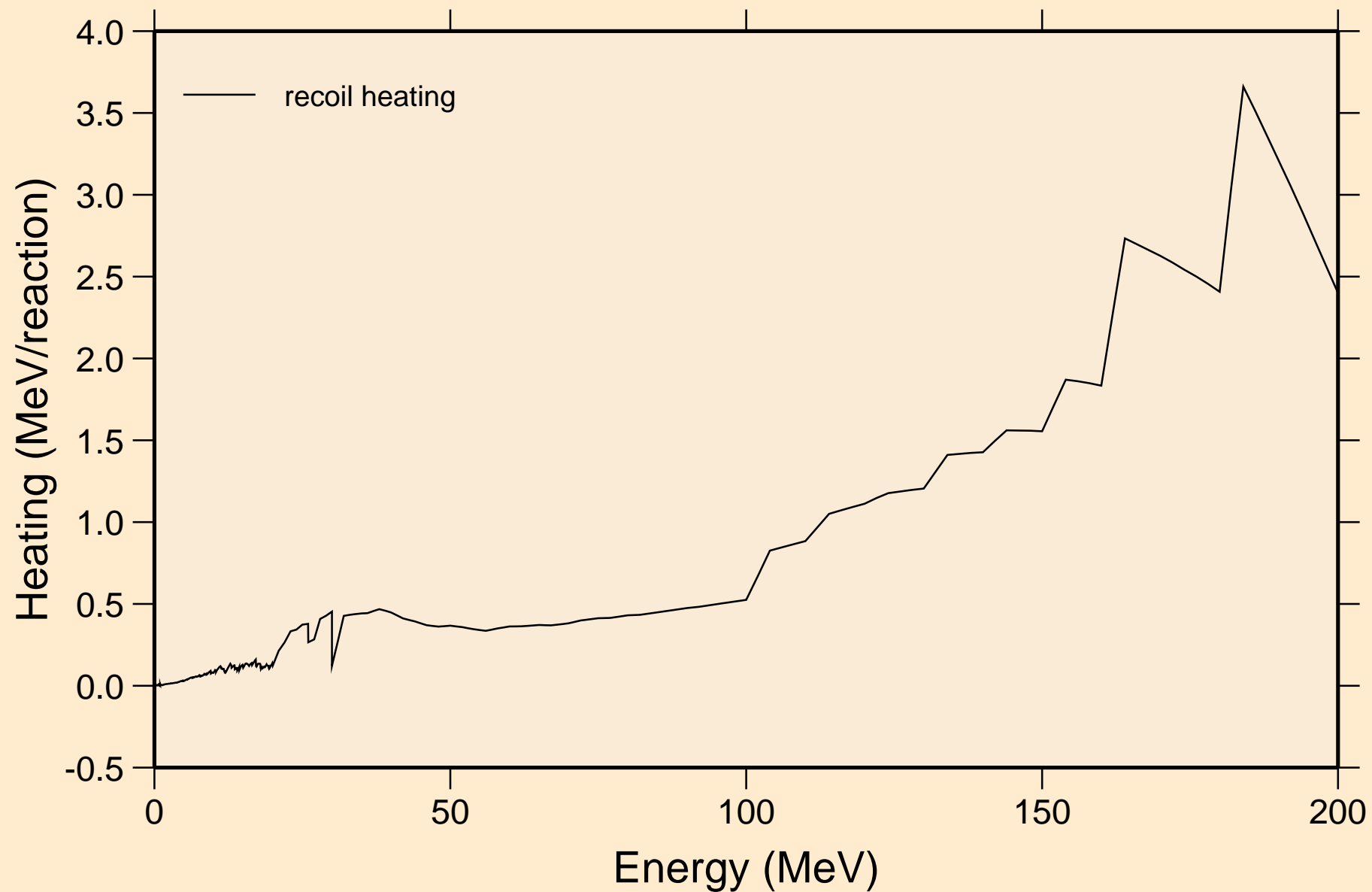
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
14 MeV photon spectrum



TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Particle heating contributions

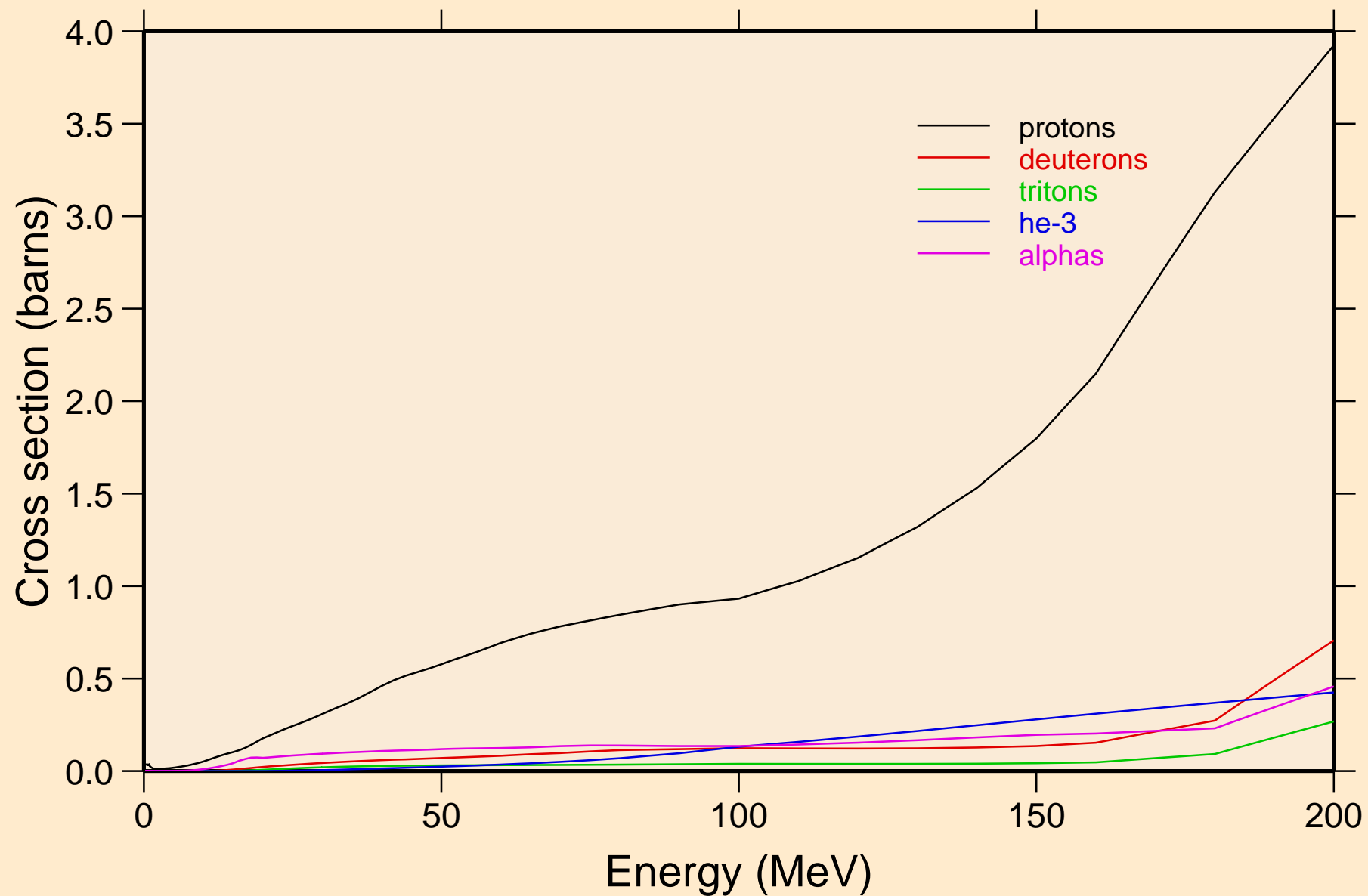


TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Recoil Heating

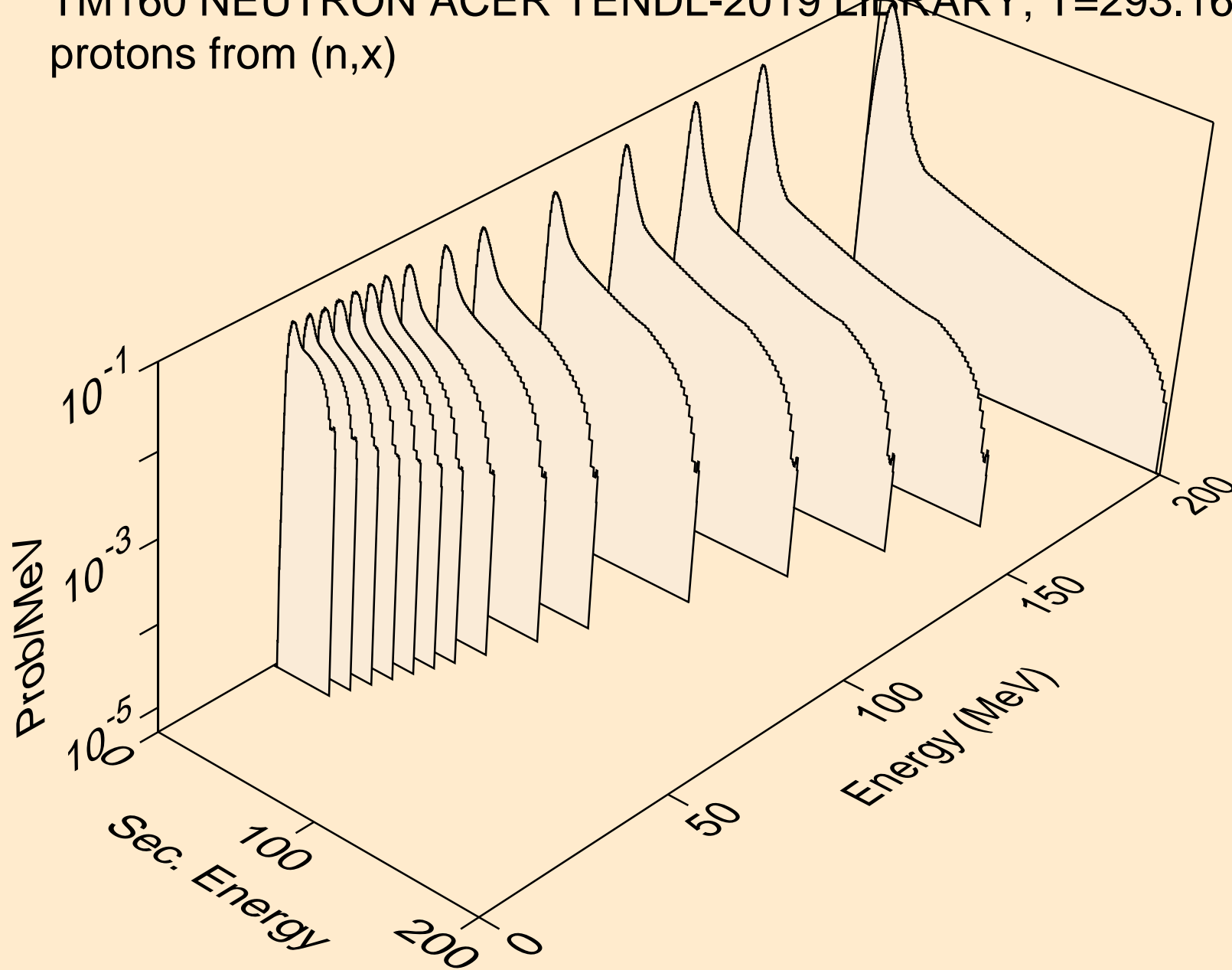


# TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

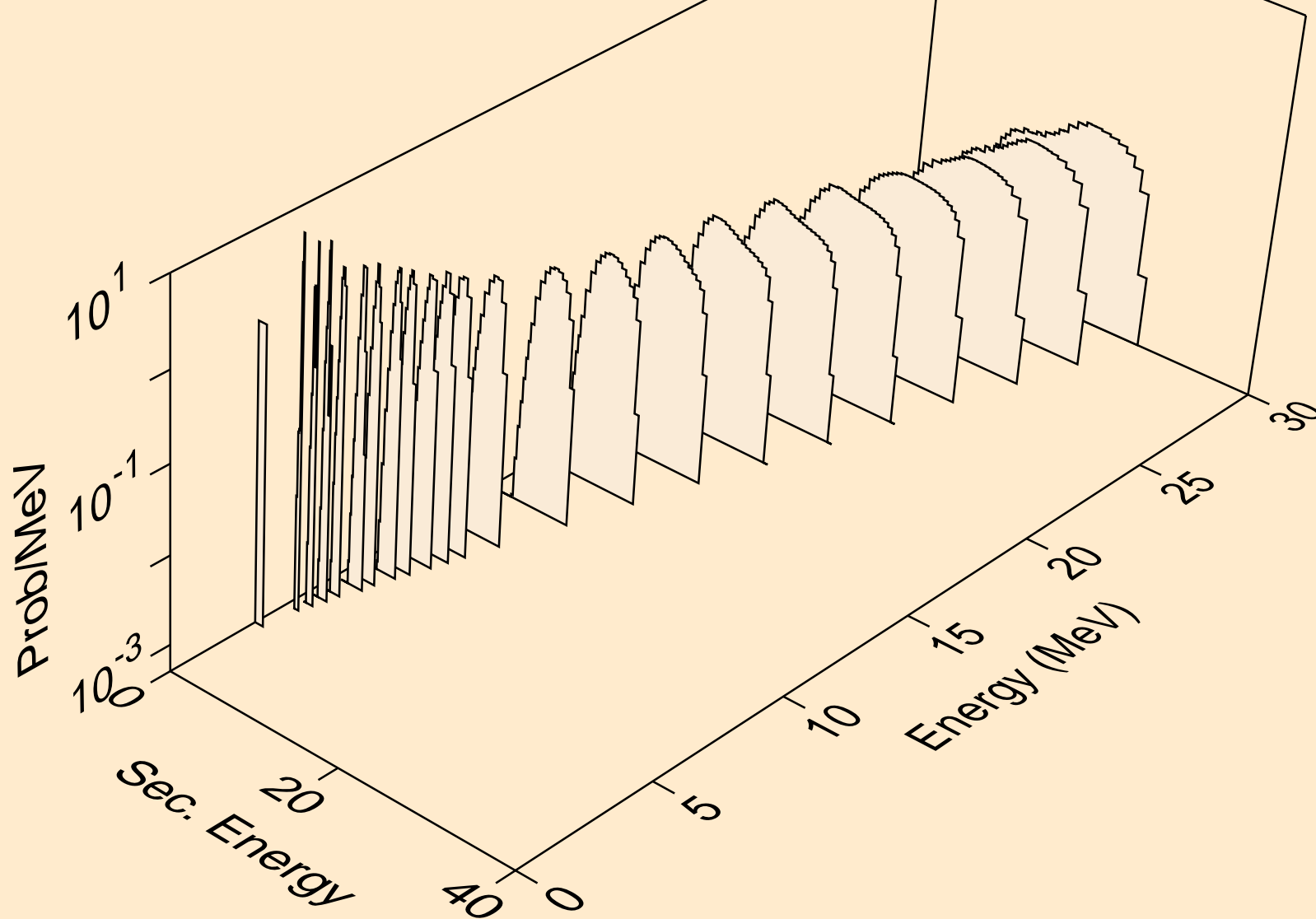
## Particle production cross sections



TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,x)

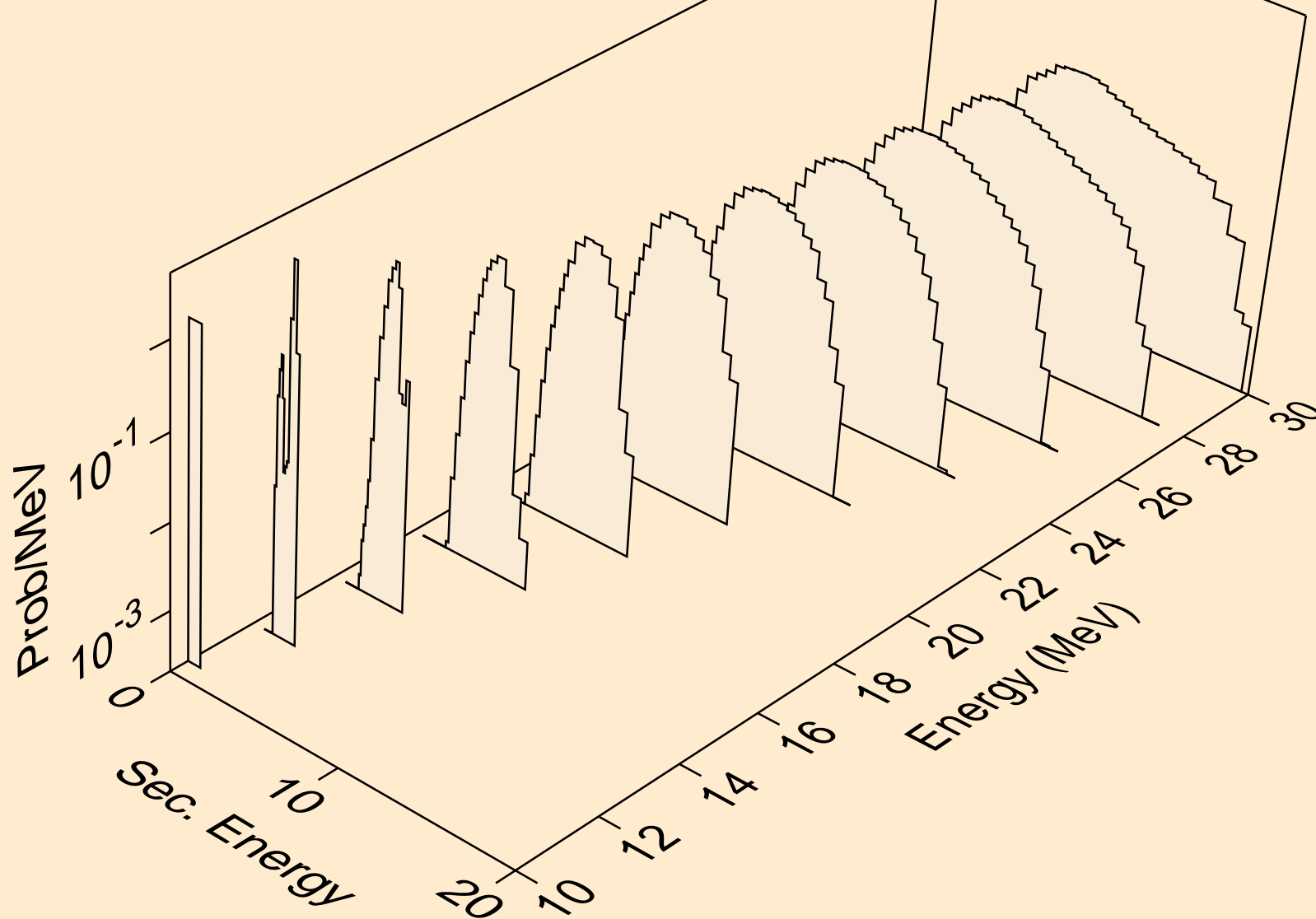


TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,n\*)p

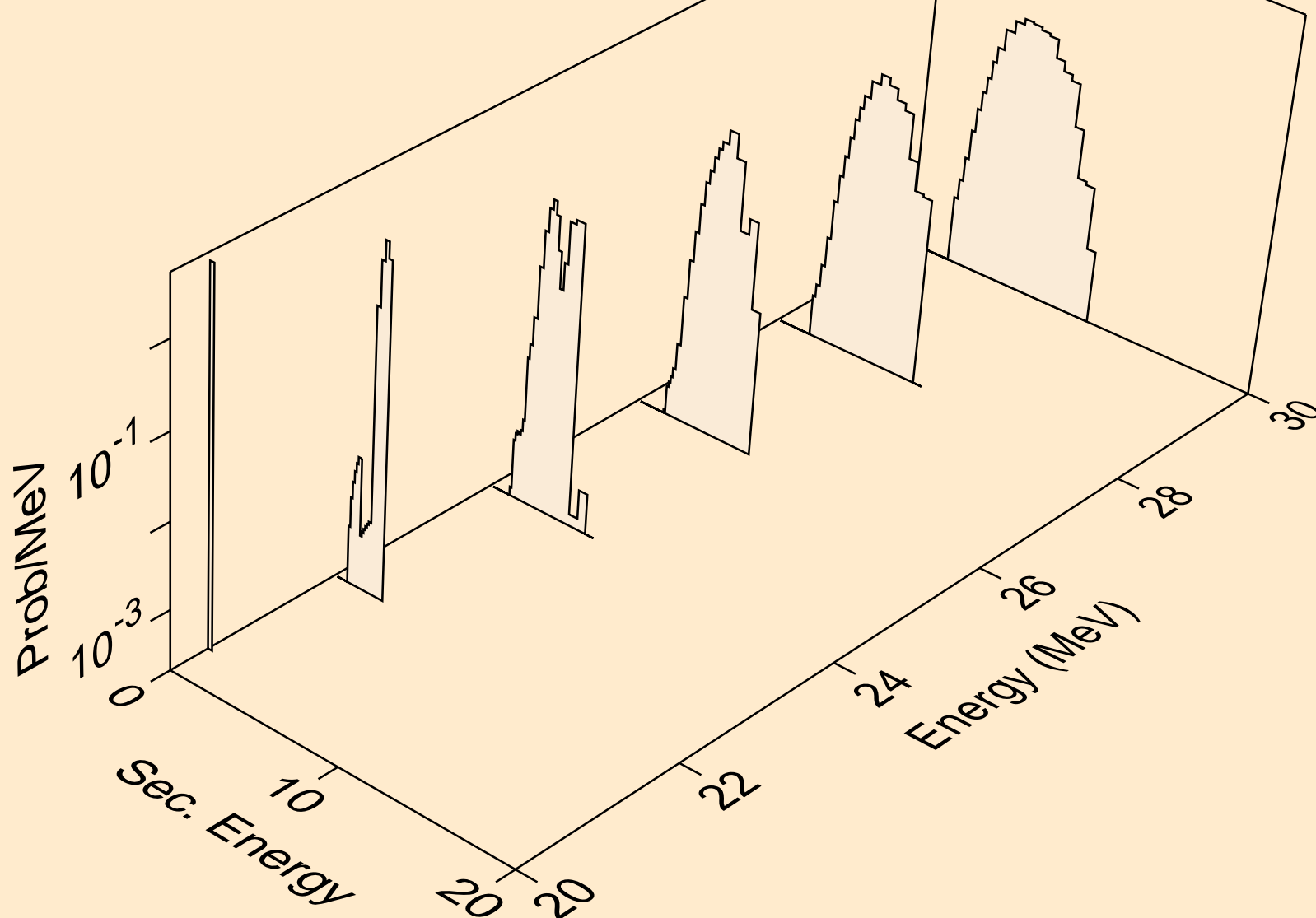




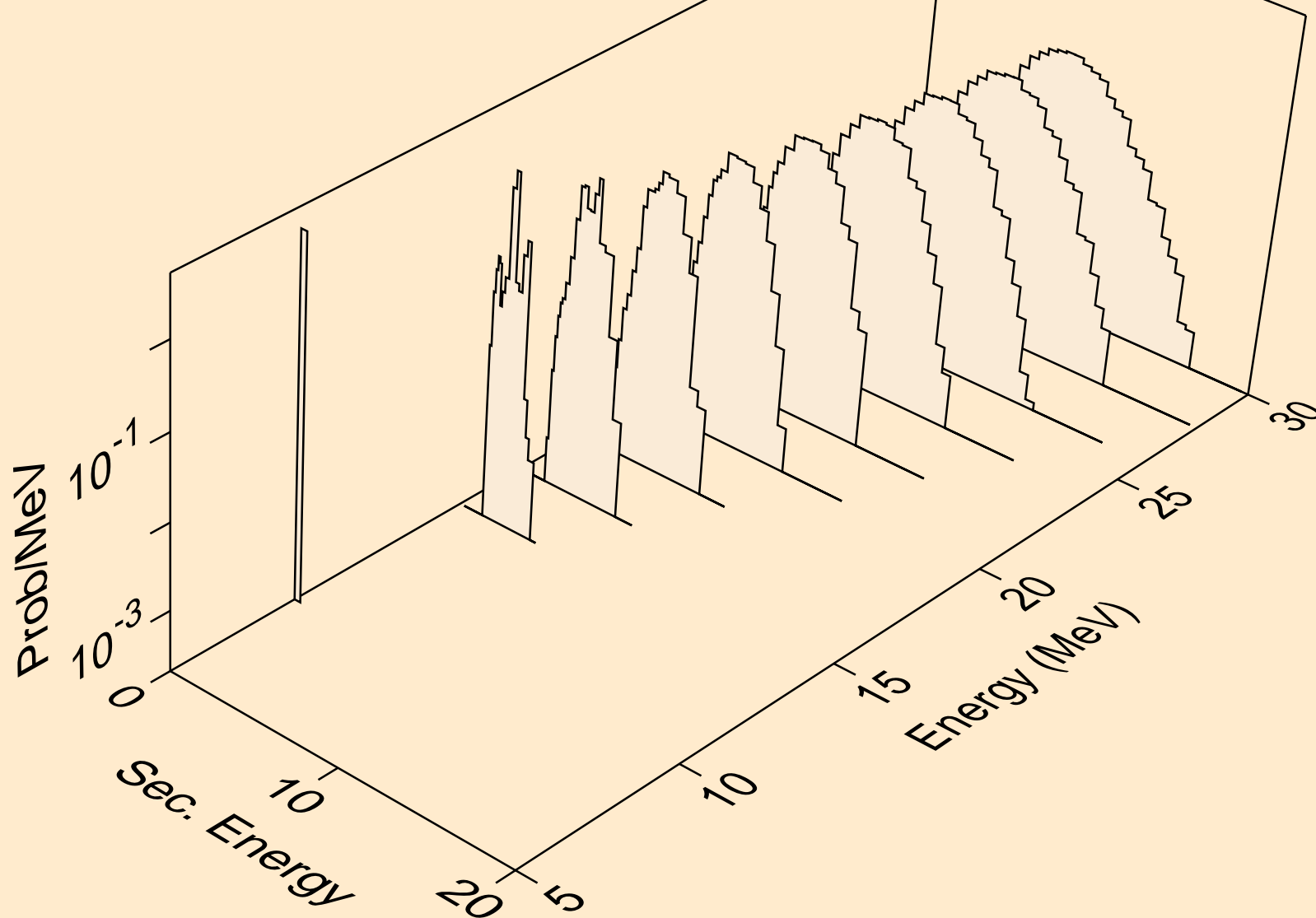
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,2np)



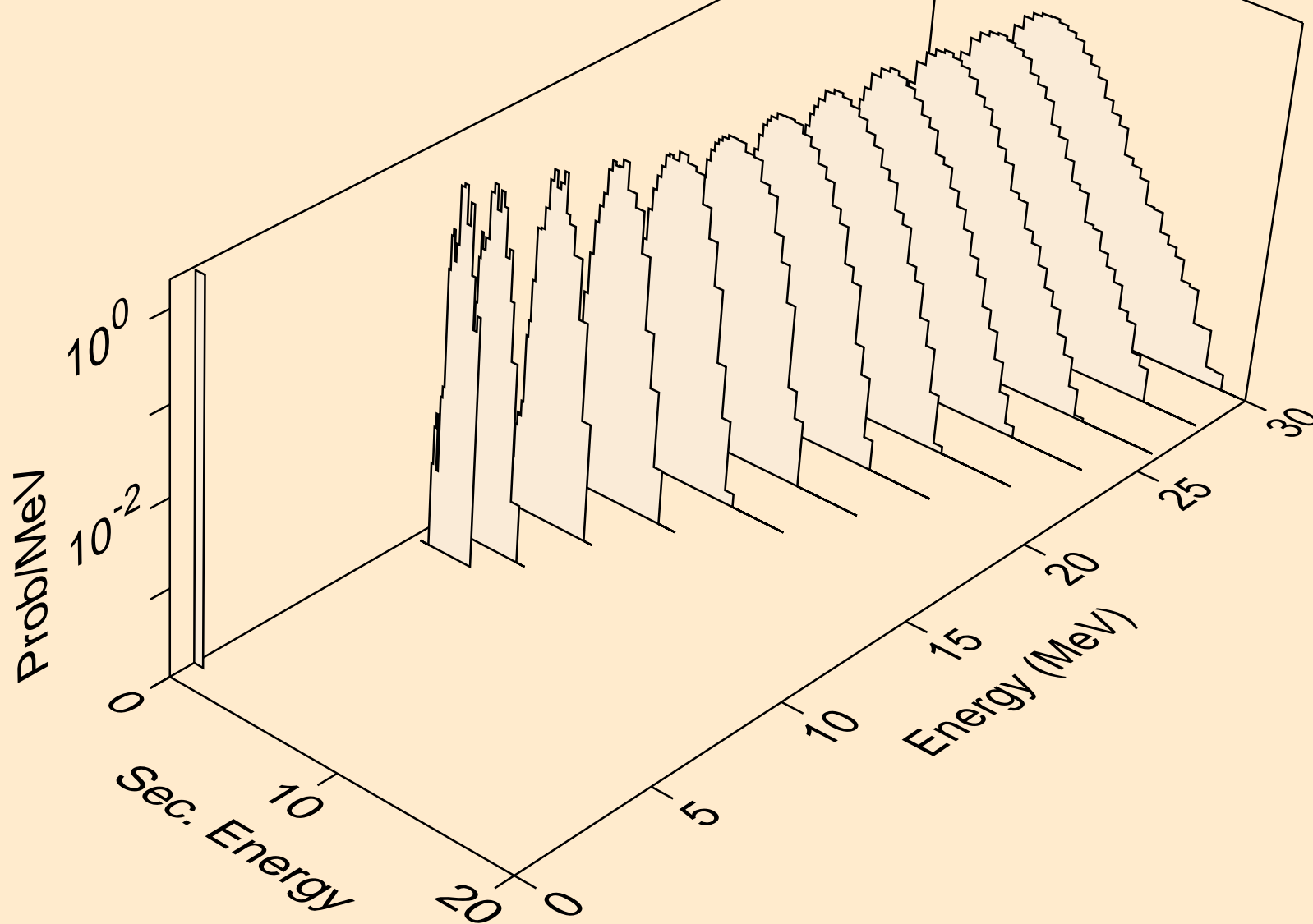
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,3np)



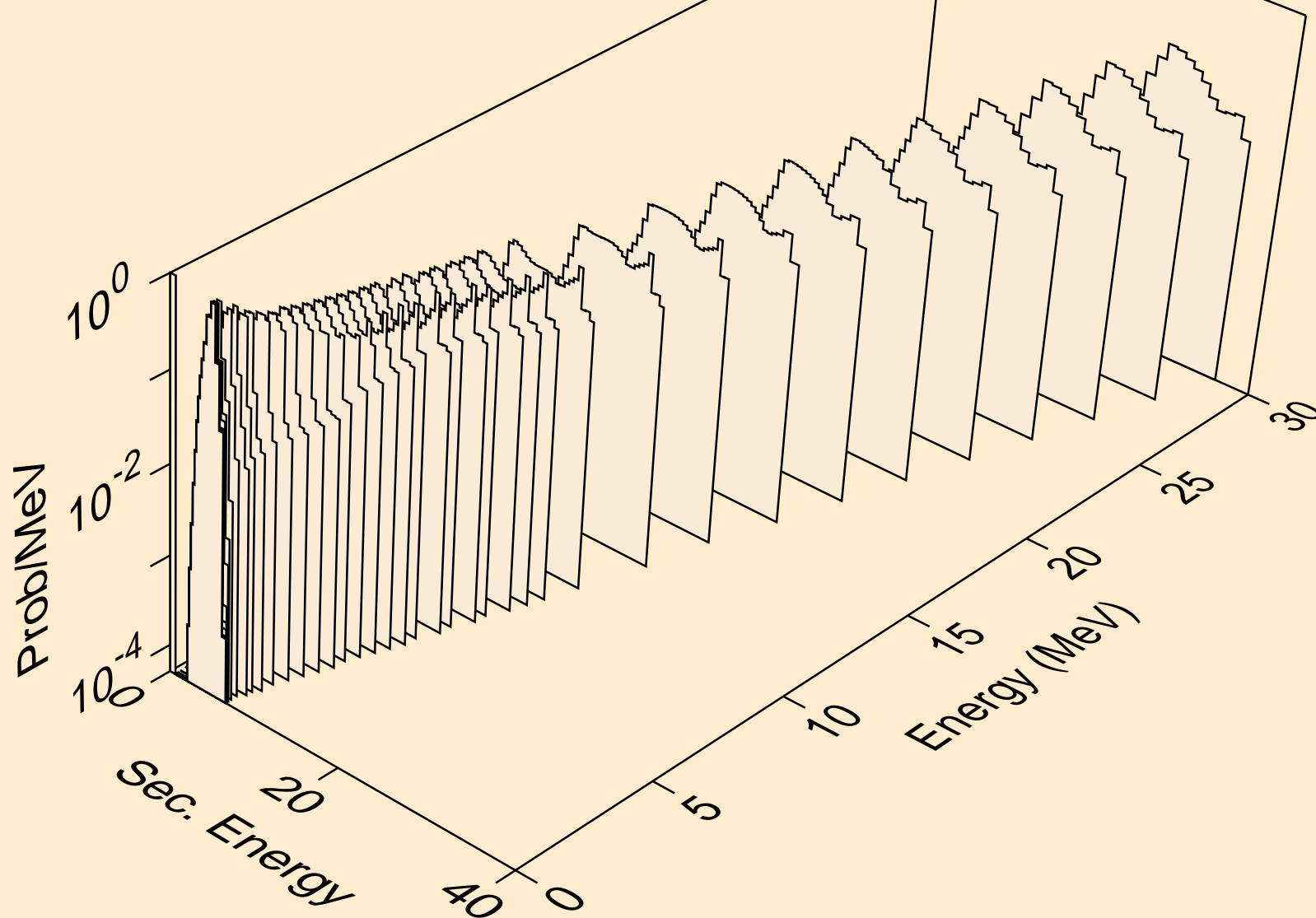
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,2np)



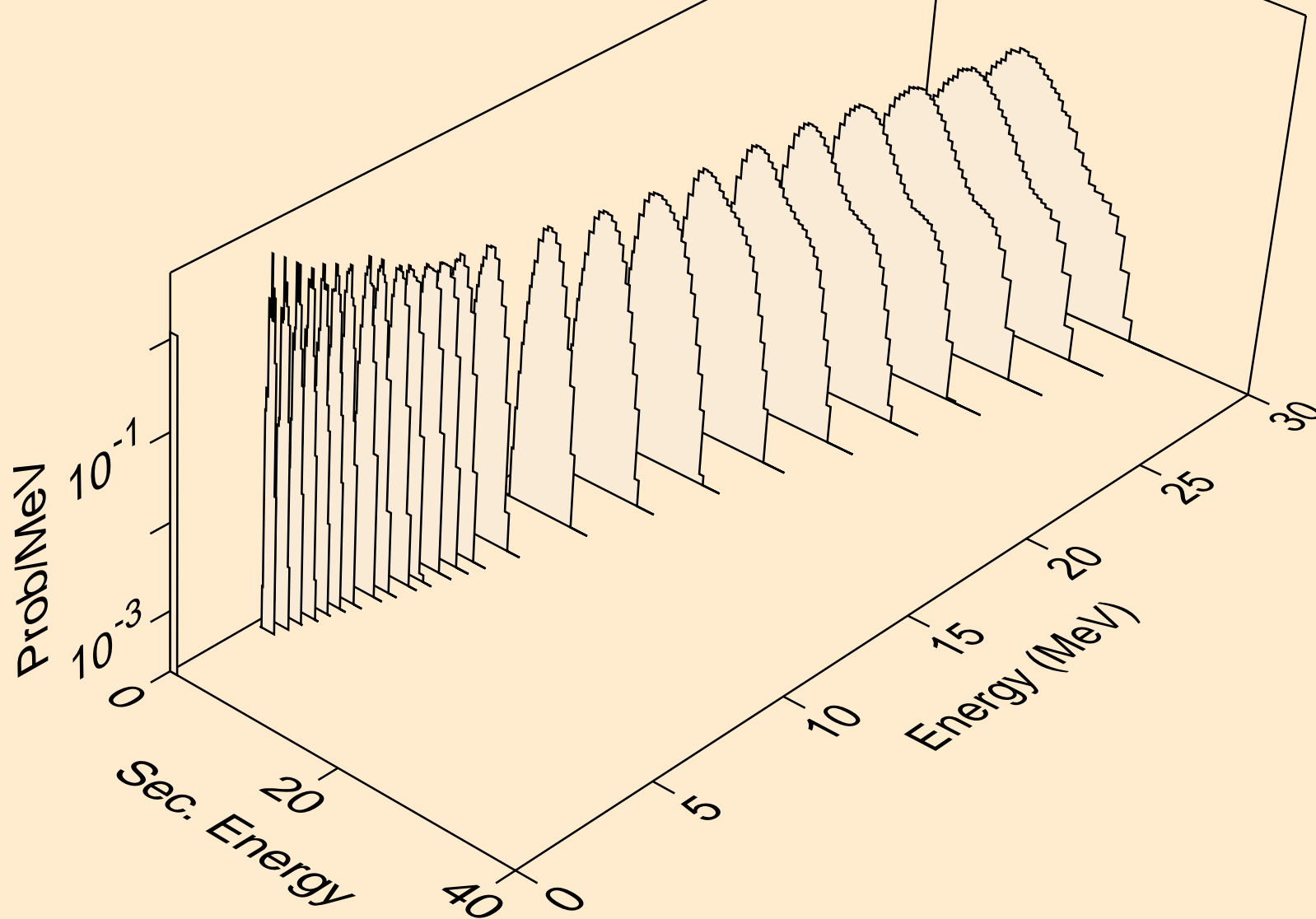
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,npa)



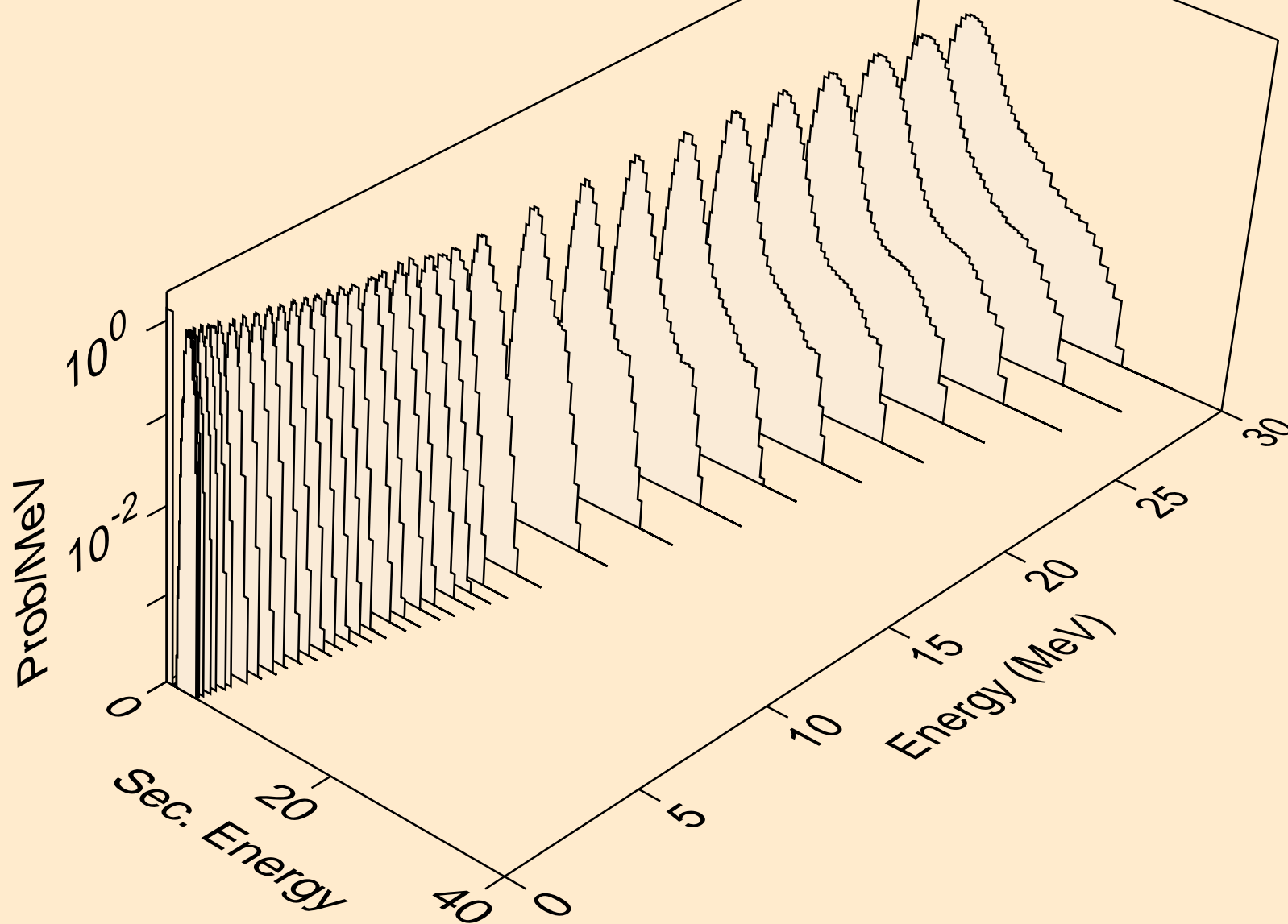
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,p)



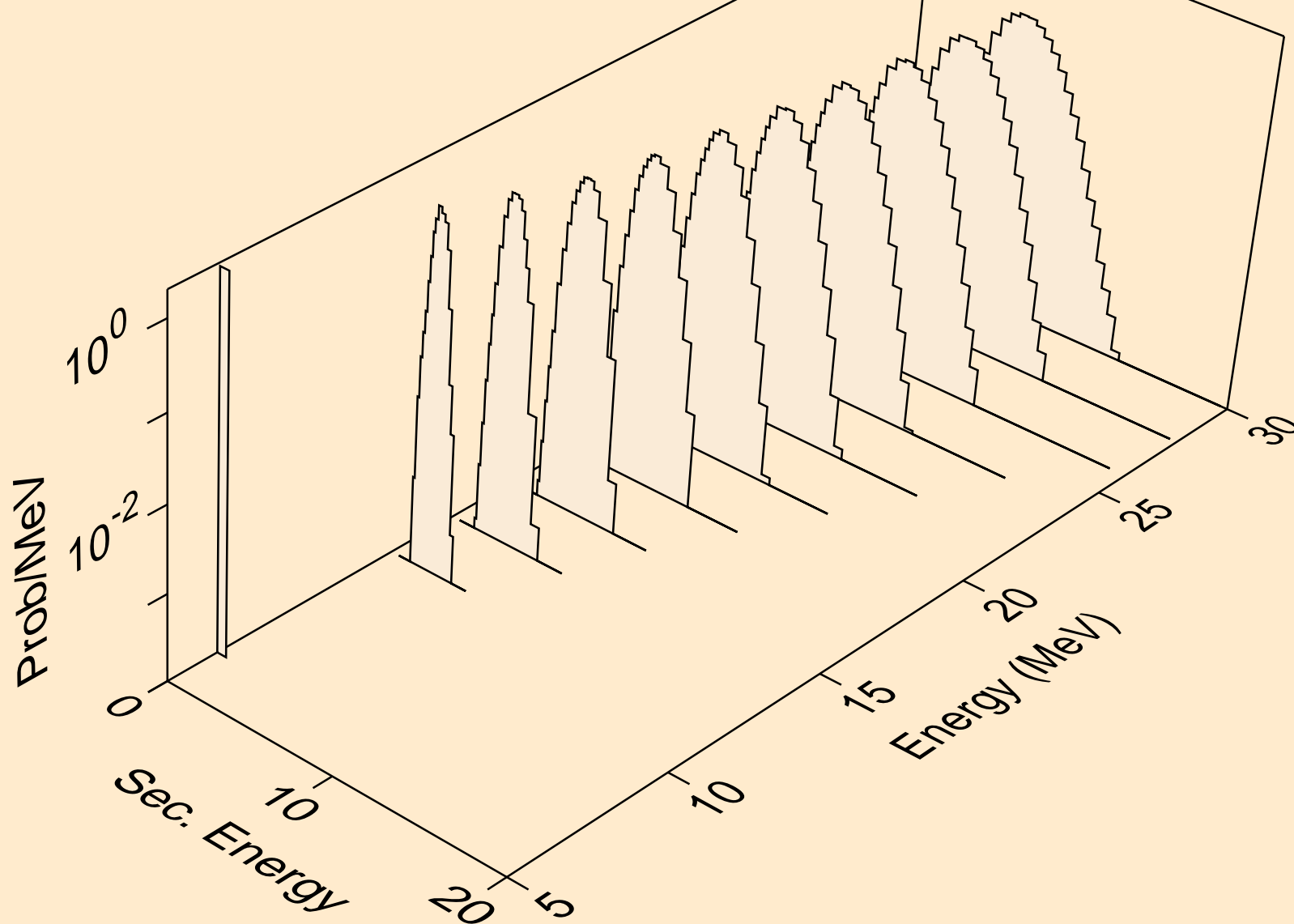
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,2p)



TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,p)

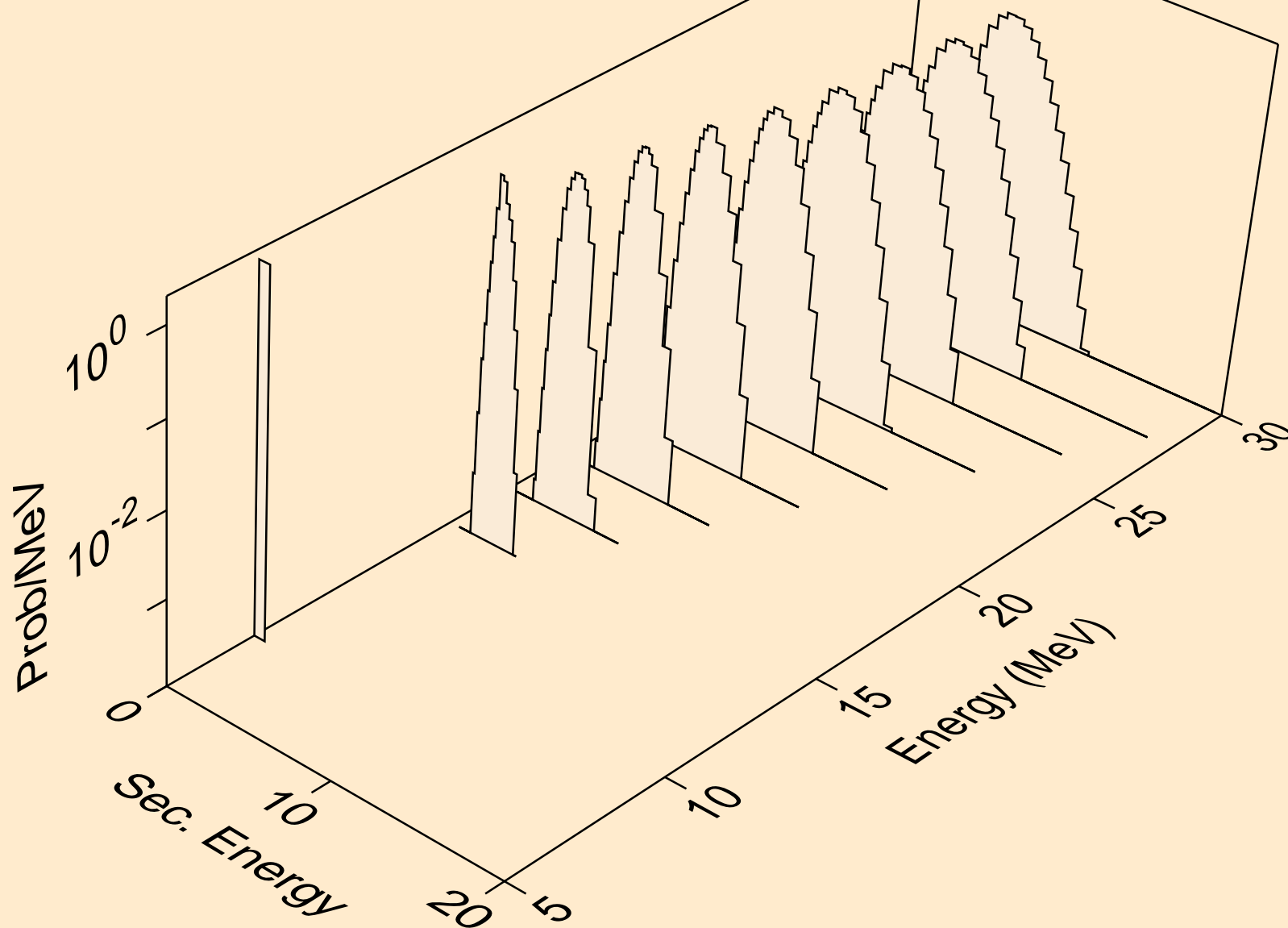


TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,pd)

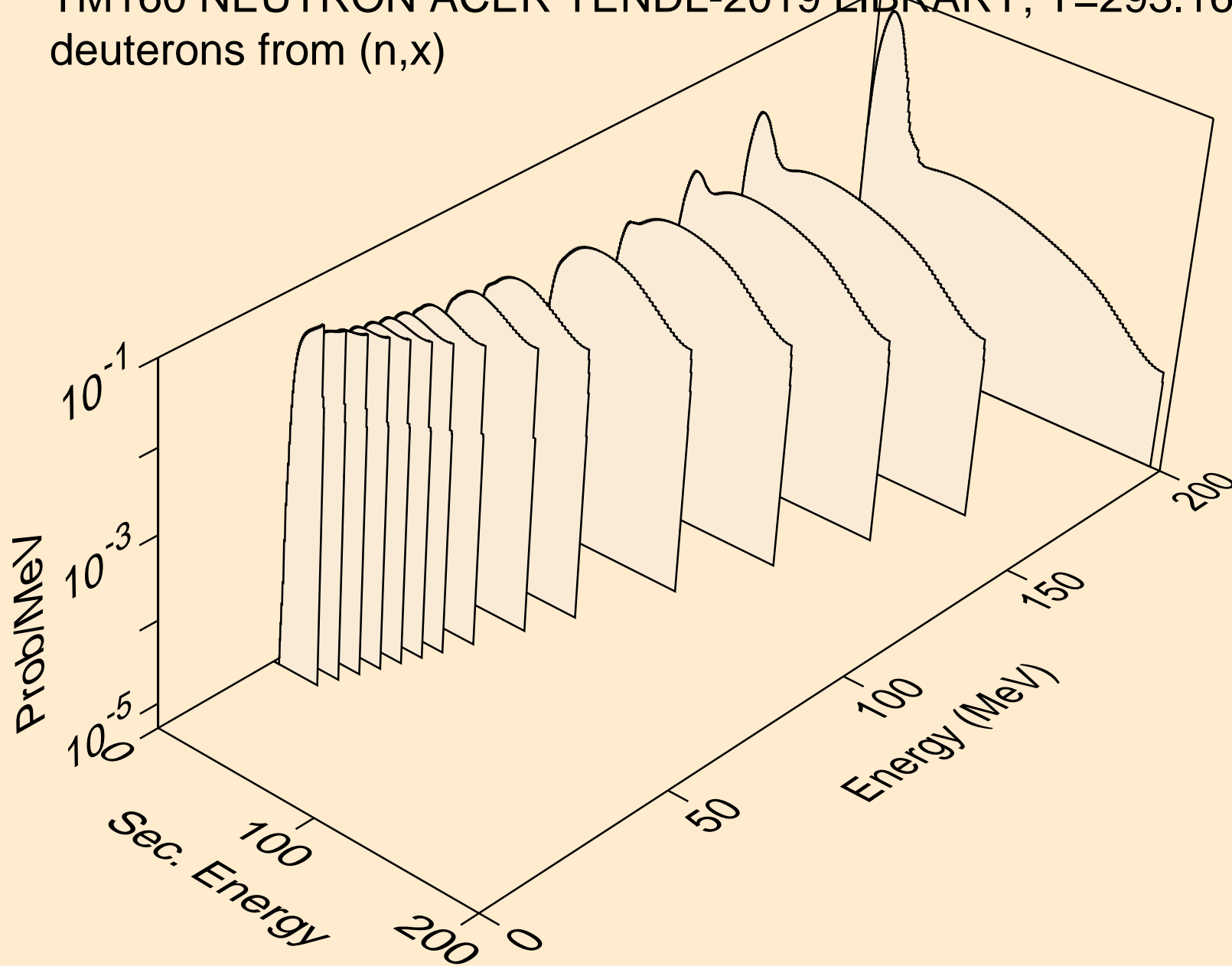




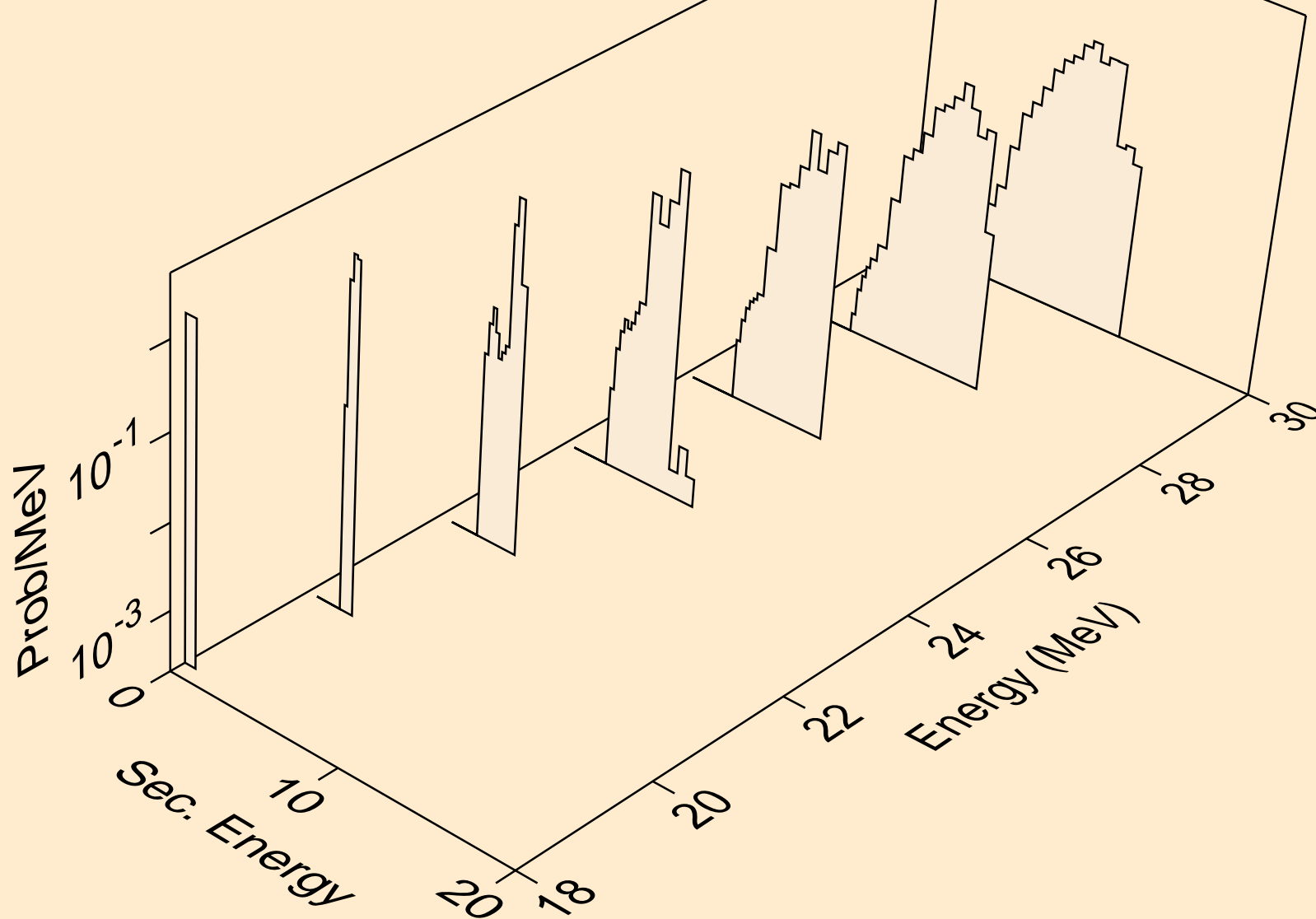
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,pt)



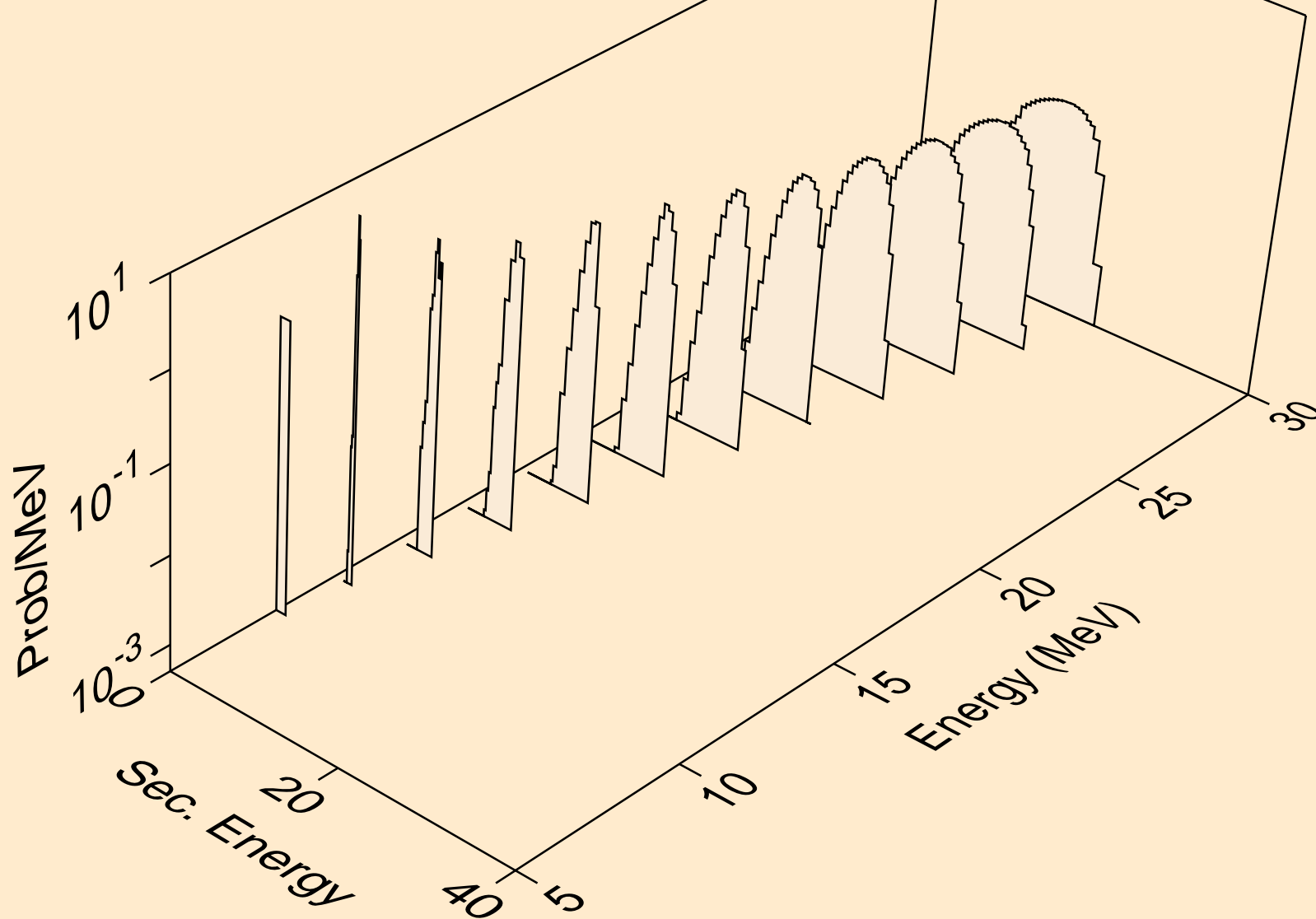
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,x)



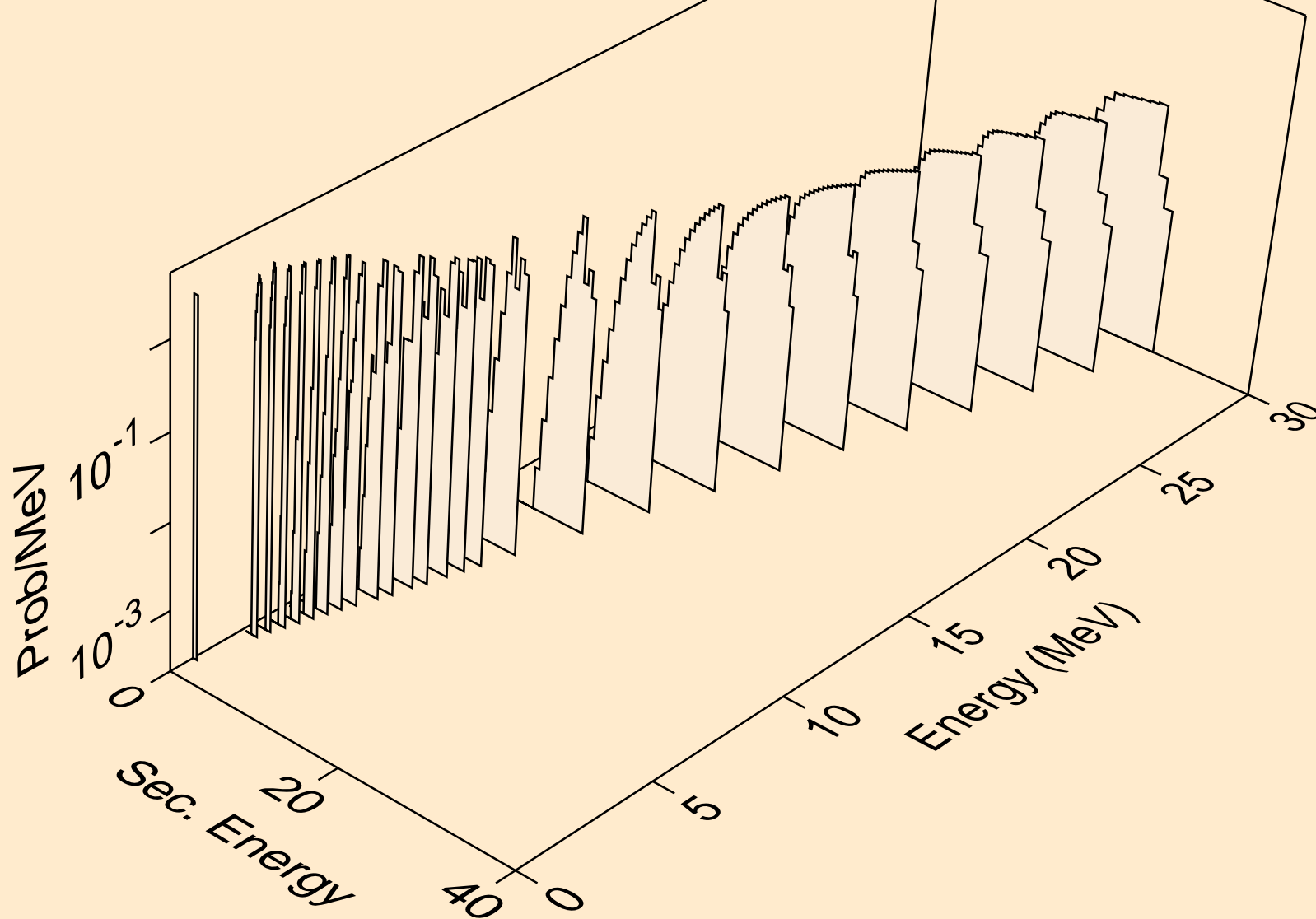
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,2nd)



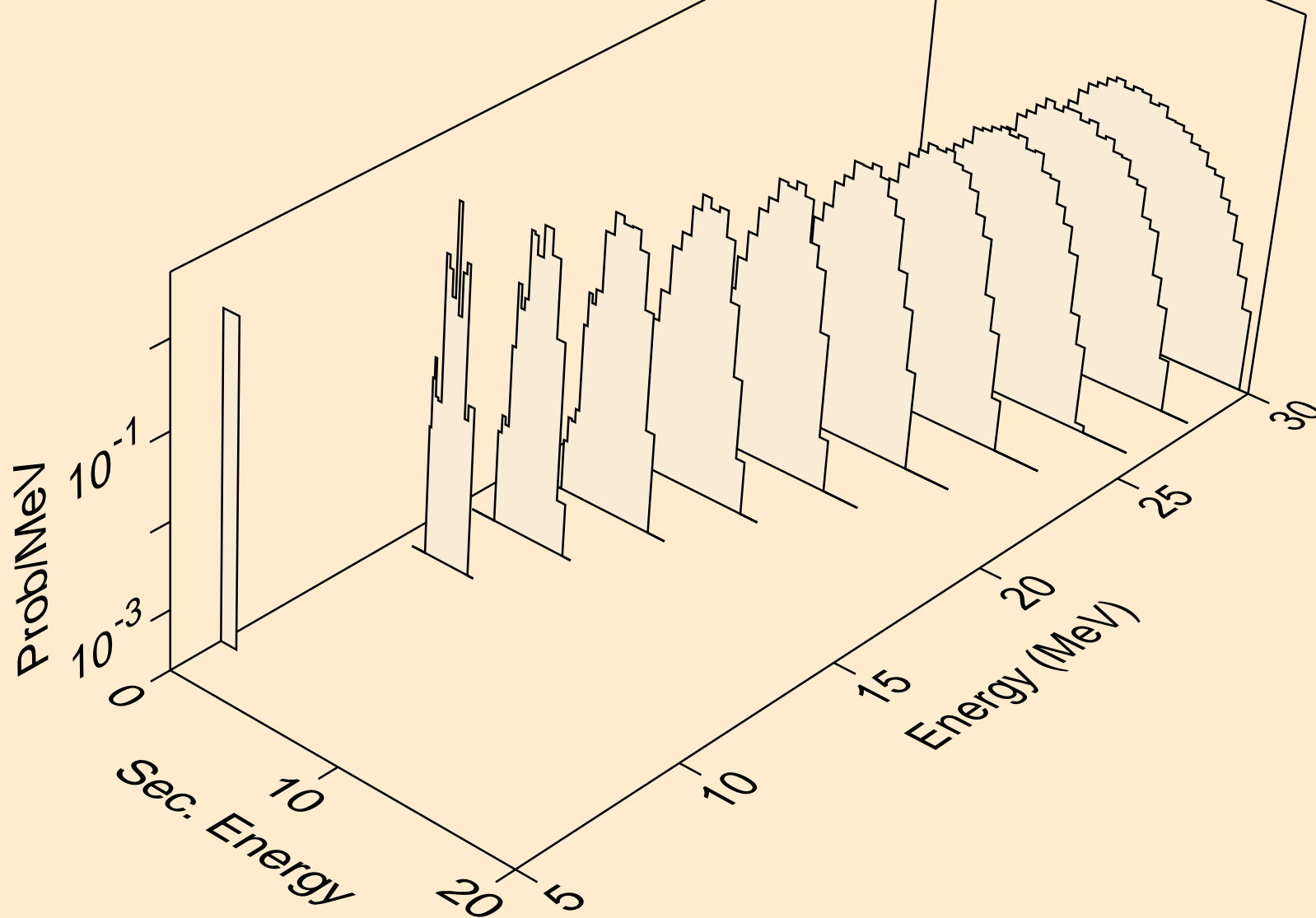
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,n\*)d



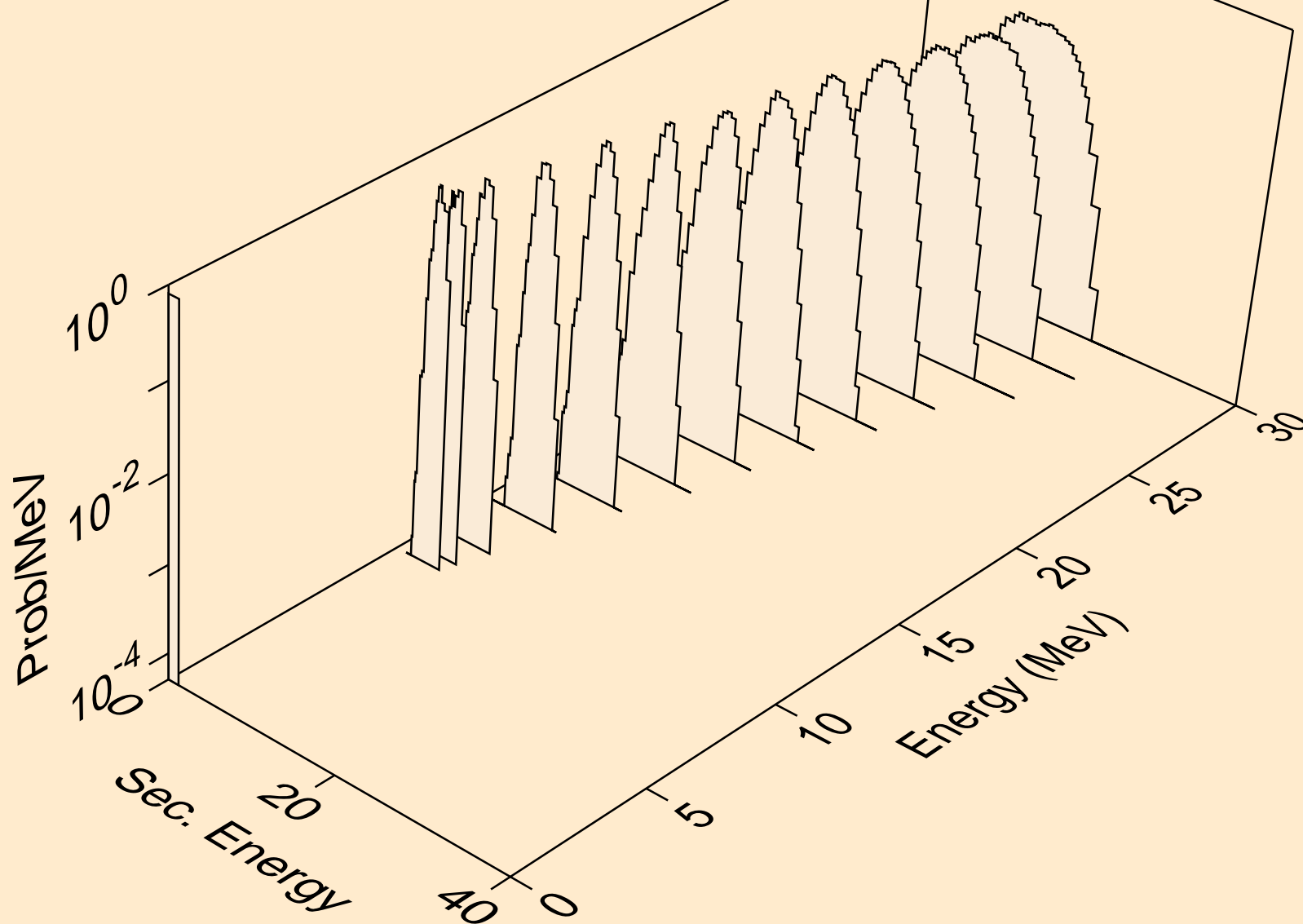
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,d)



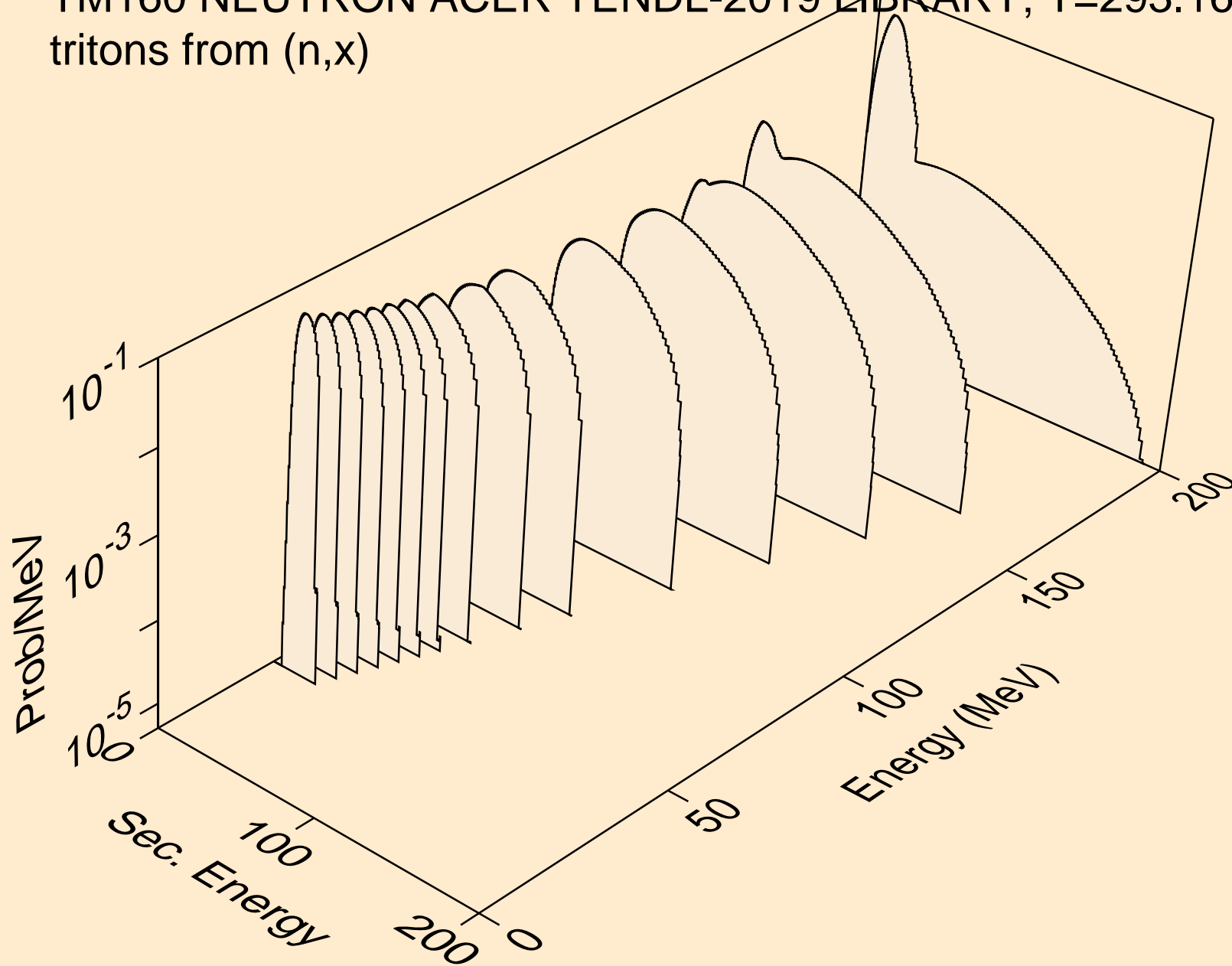
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,pd)



TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,da)

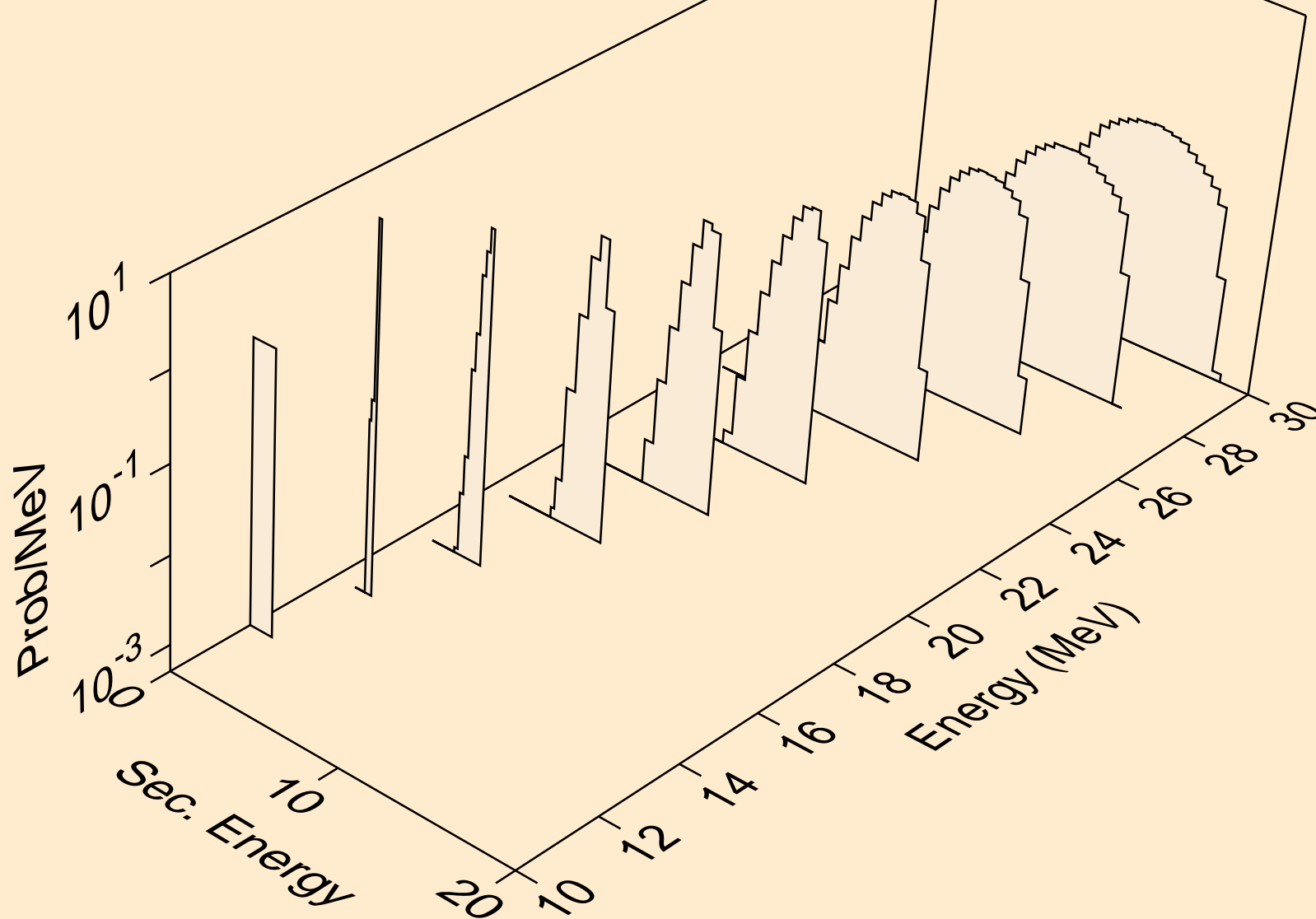


TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,x)

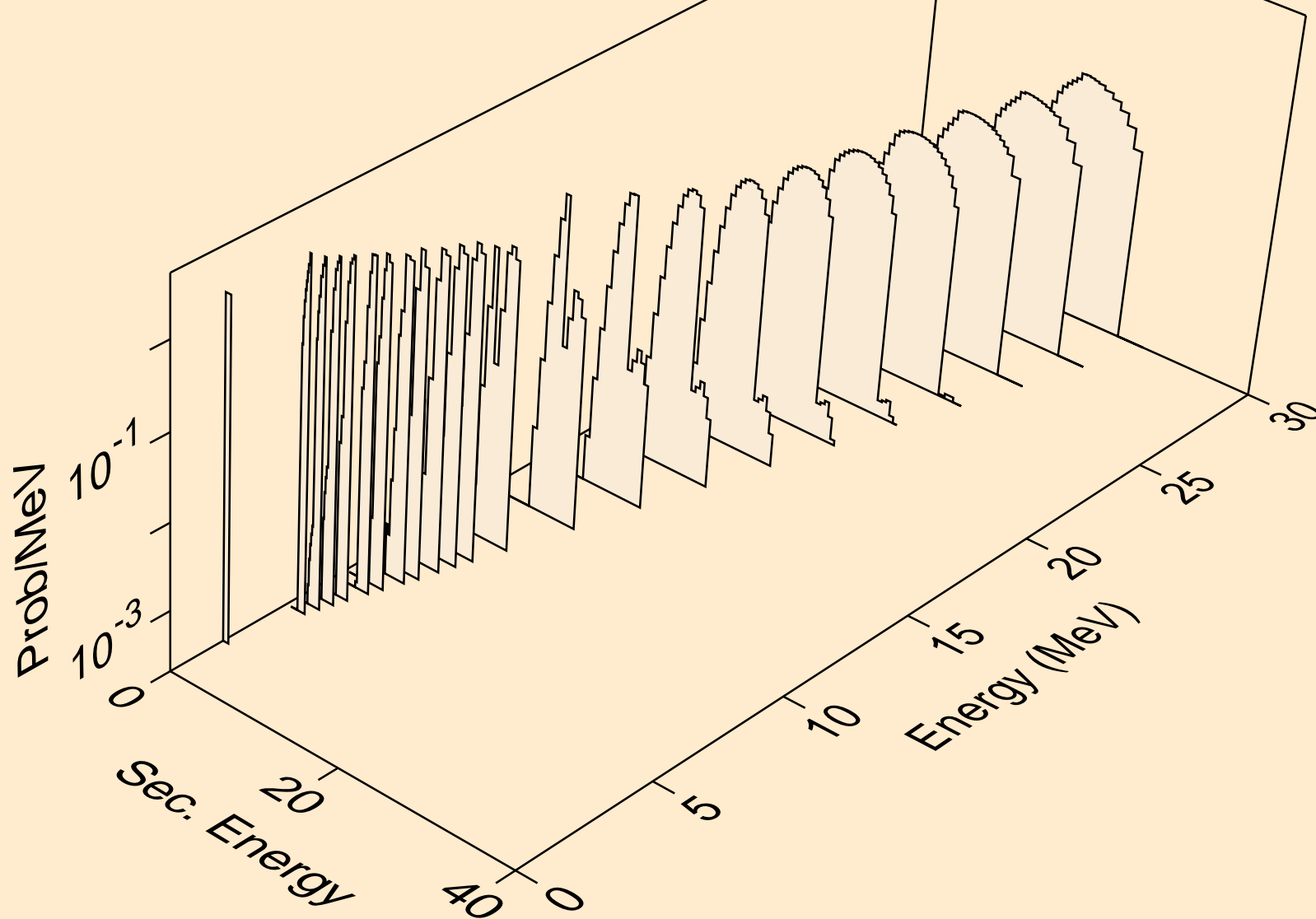




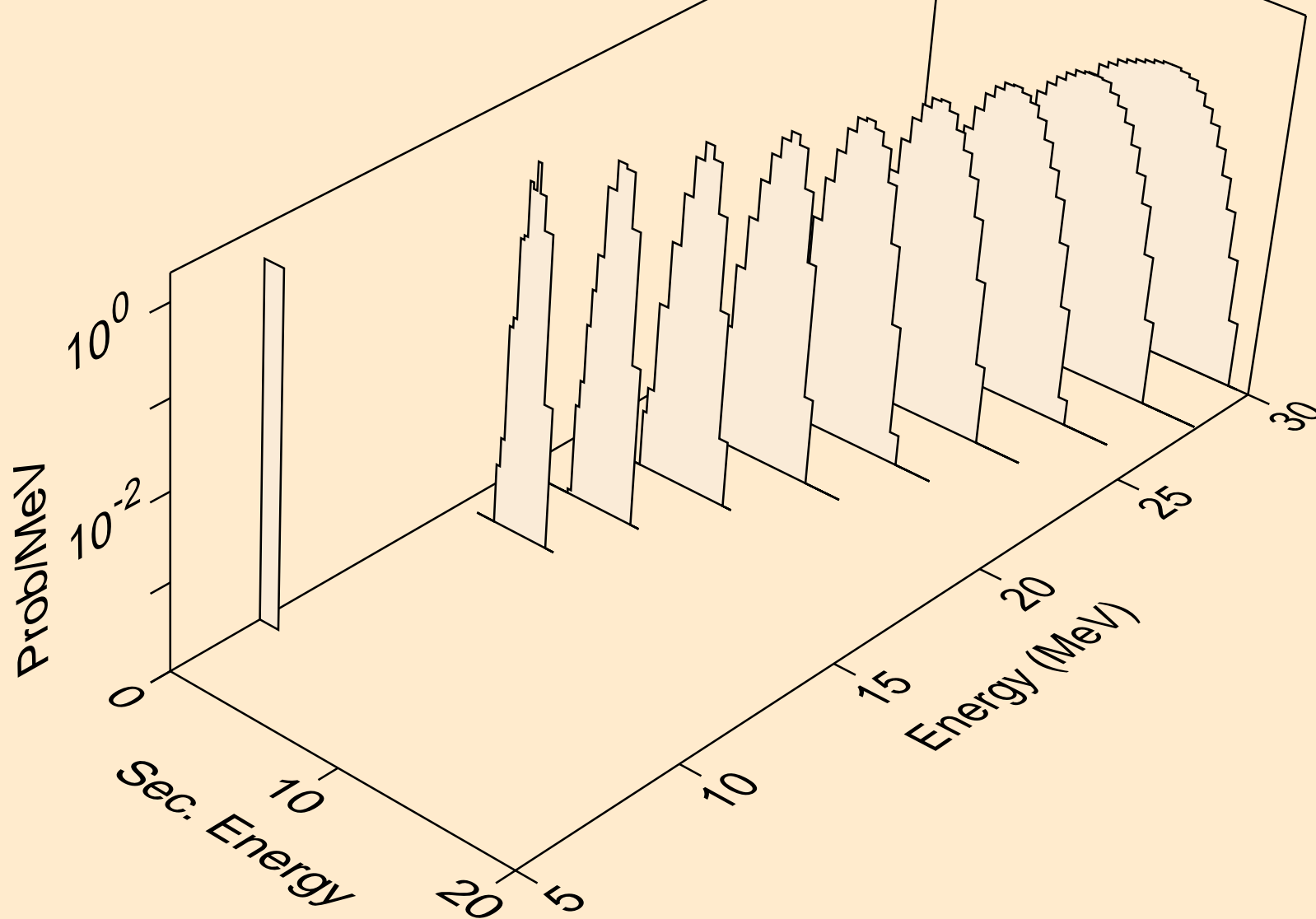
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,n\*)t



TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,t)

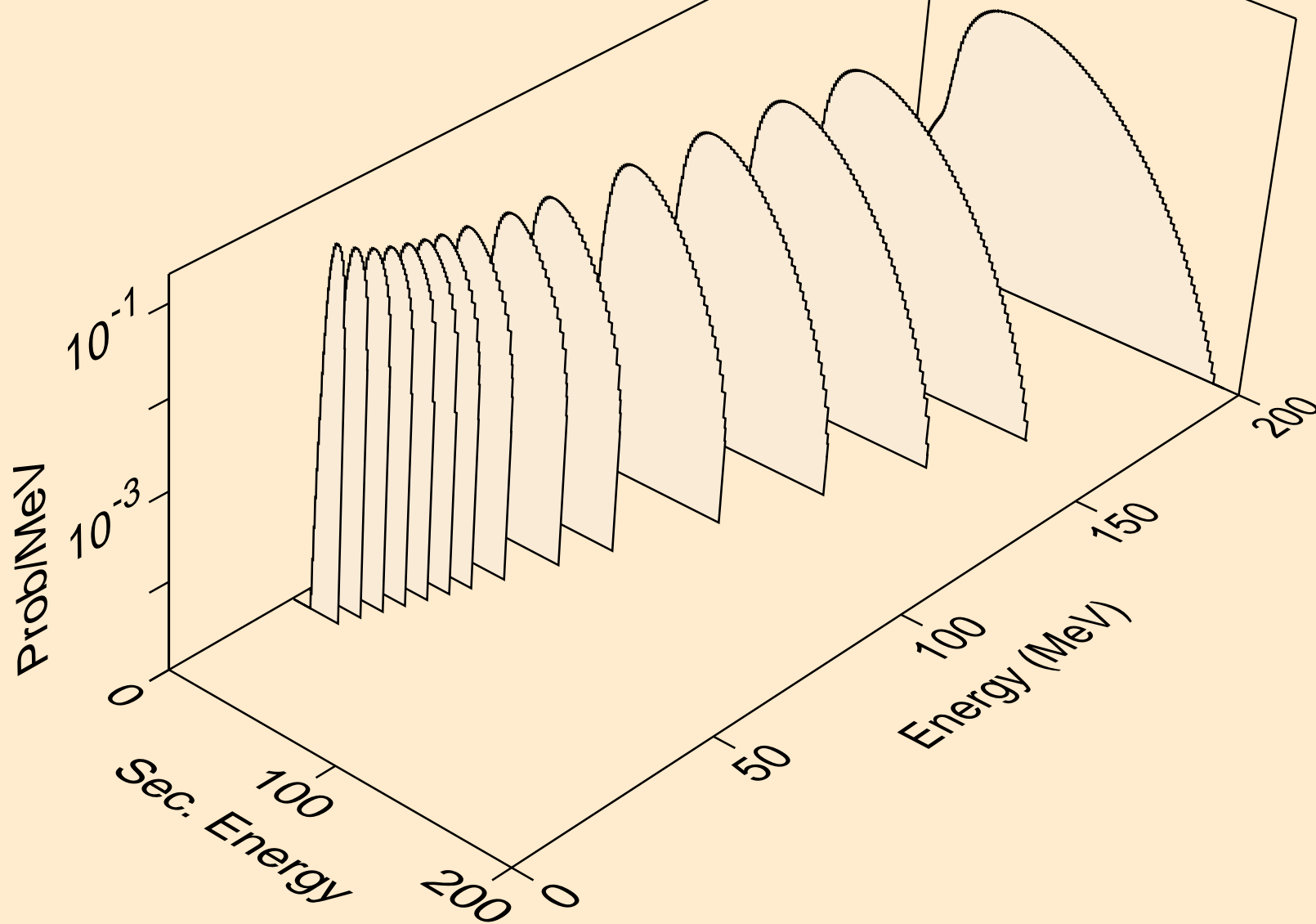


TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,pt)

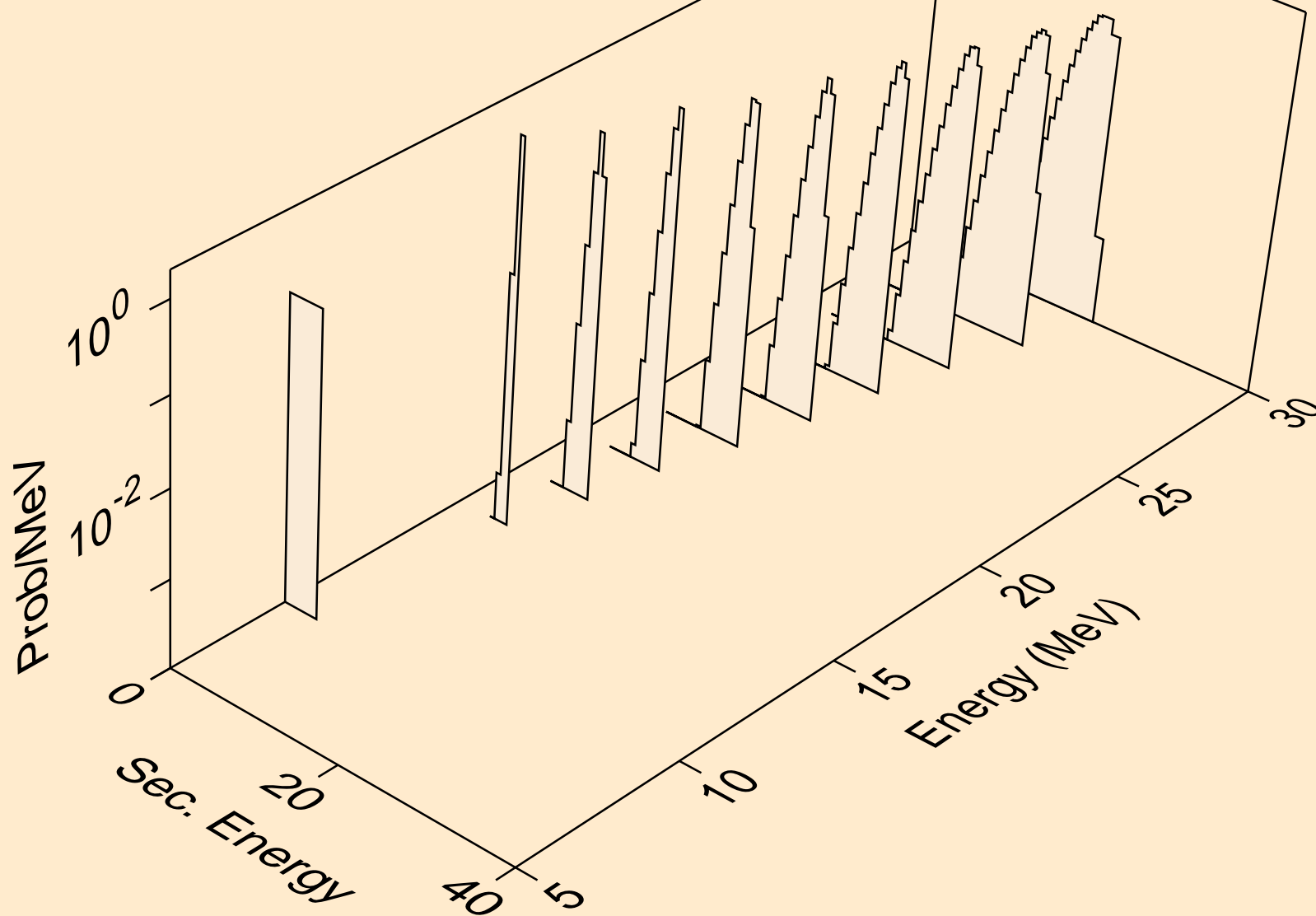


TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

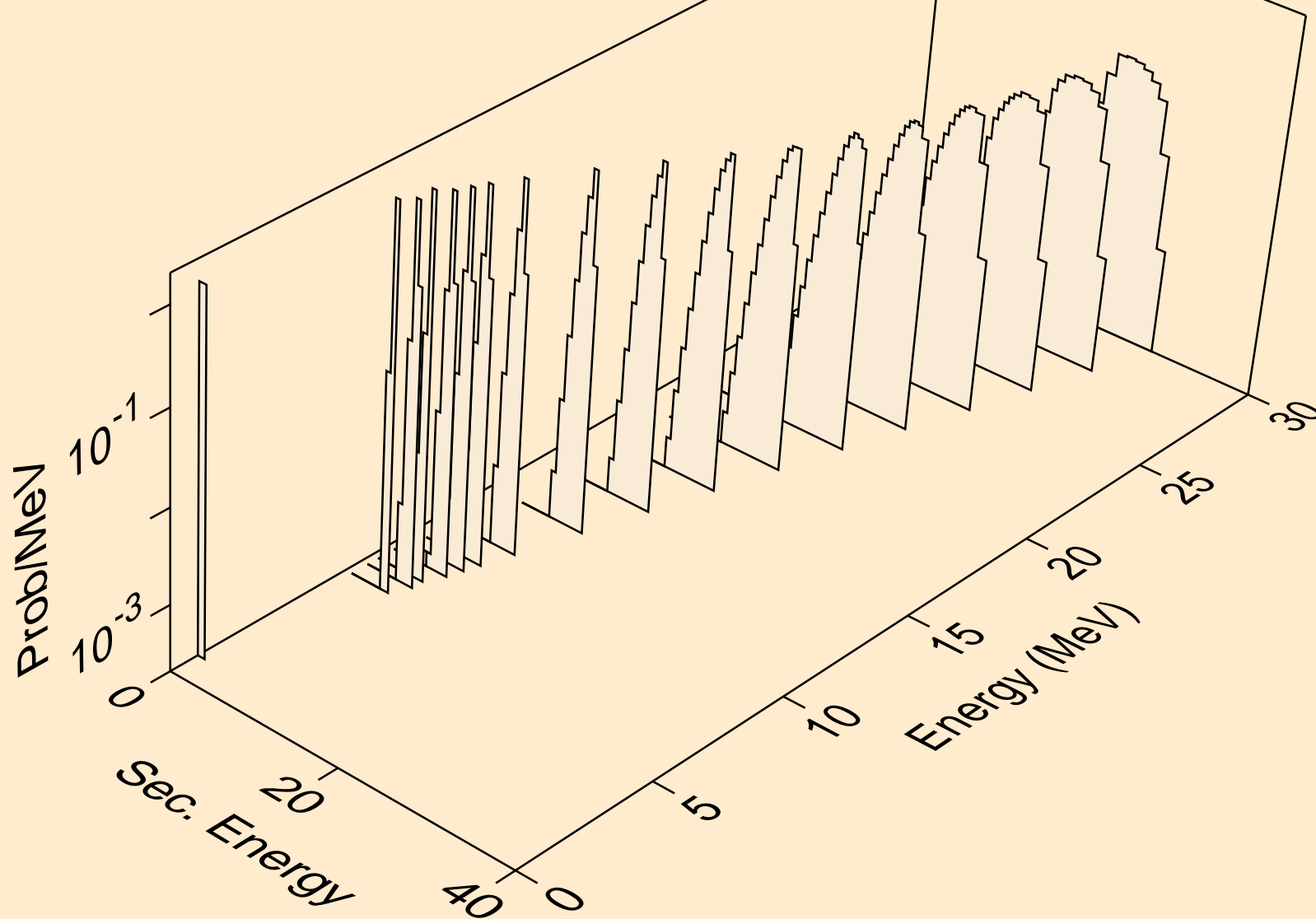
# he3s from (n,x)



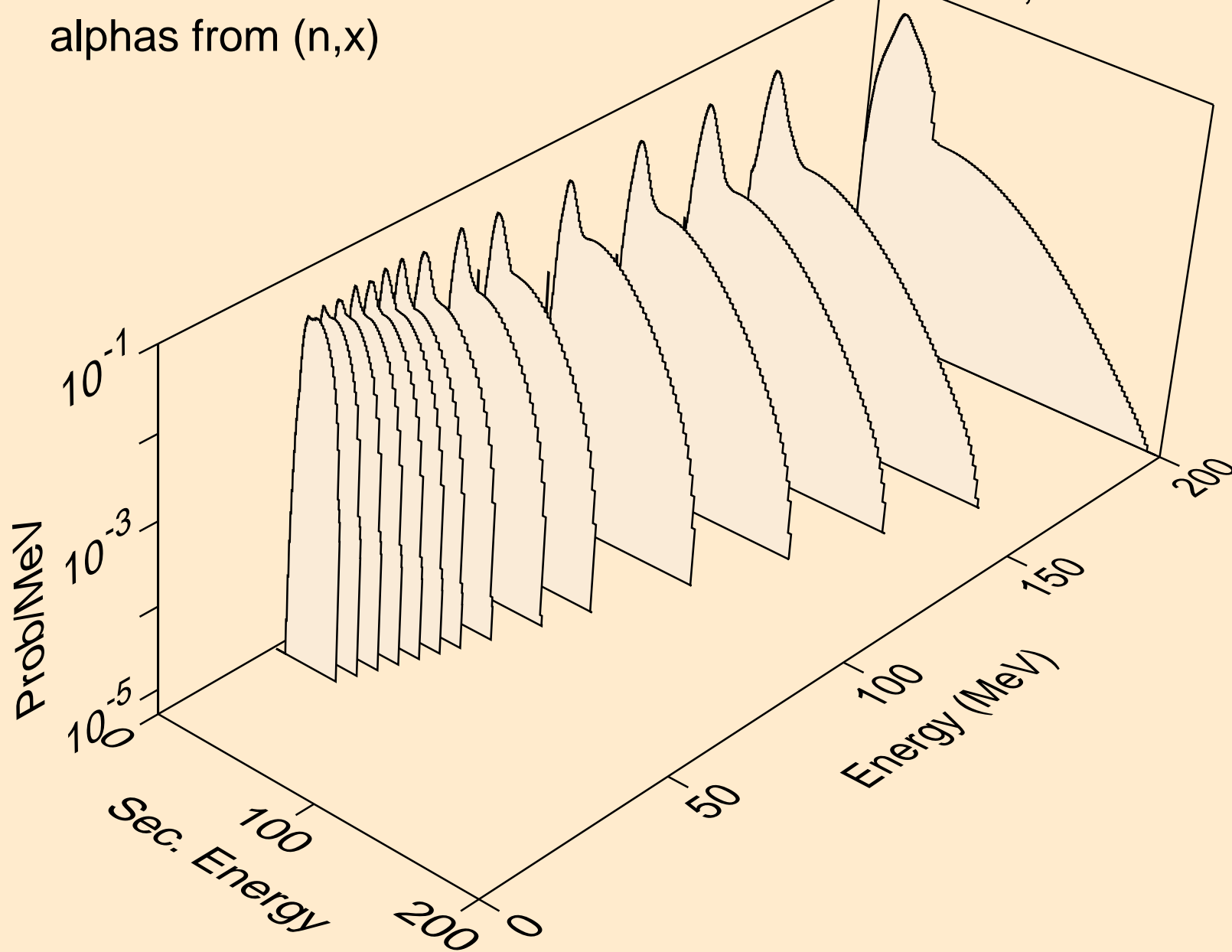
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,n\*)he3



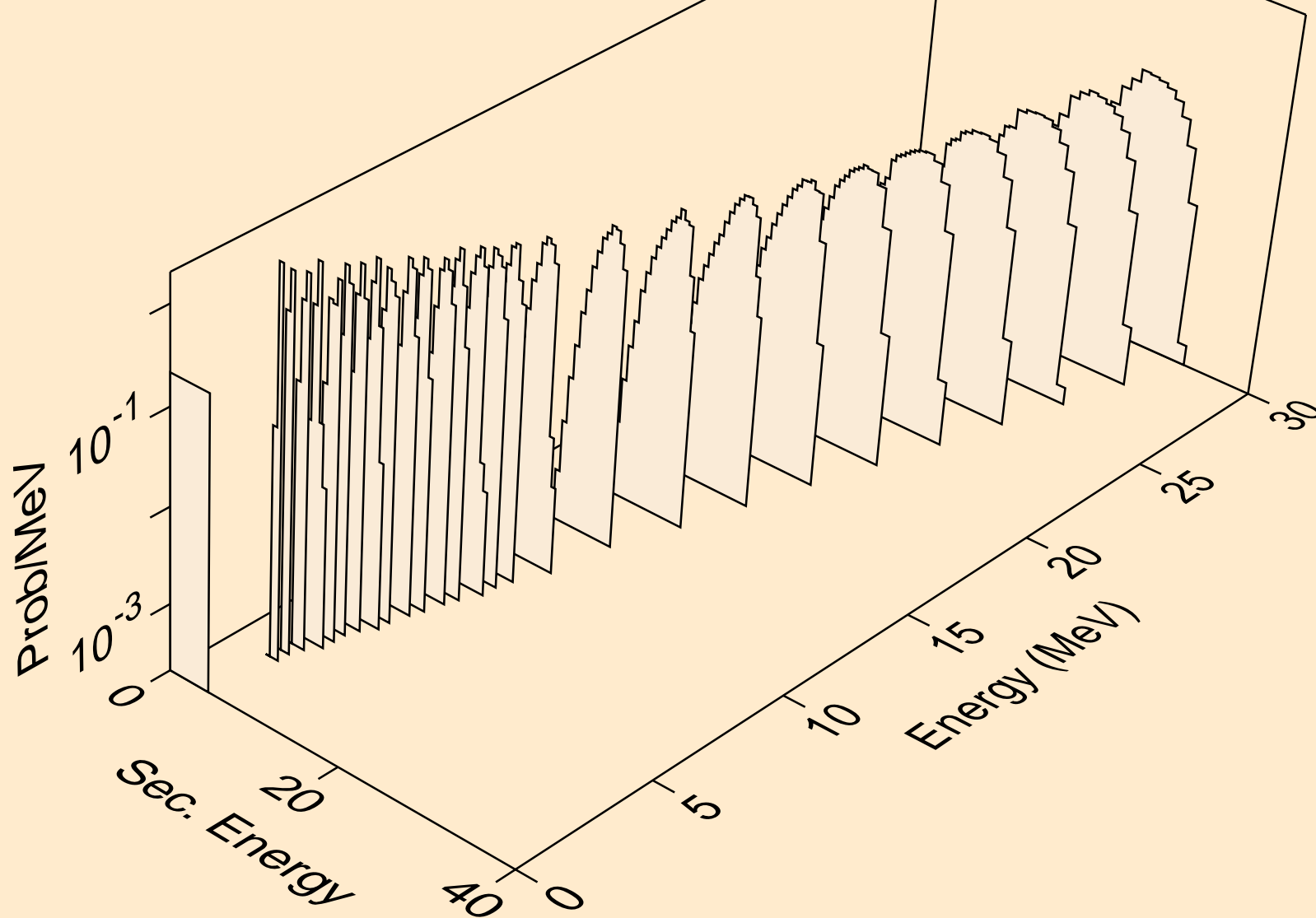
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,he3)



TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,x)

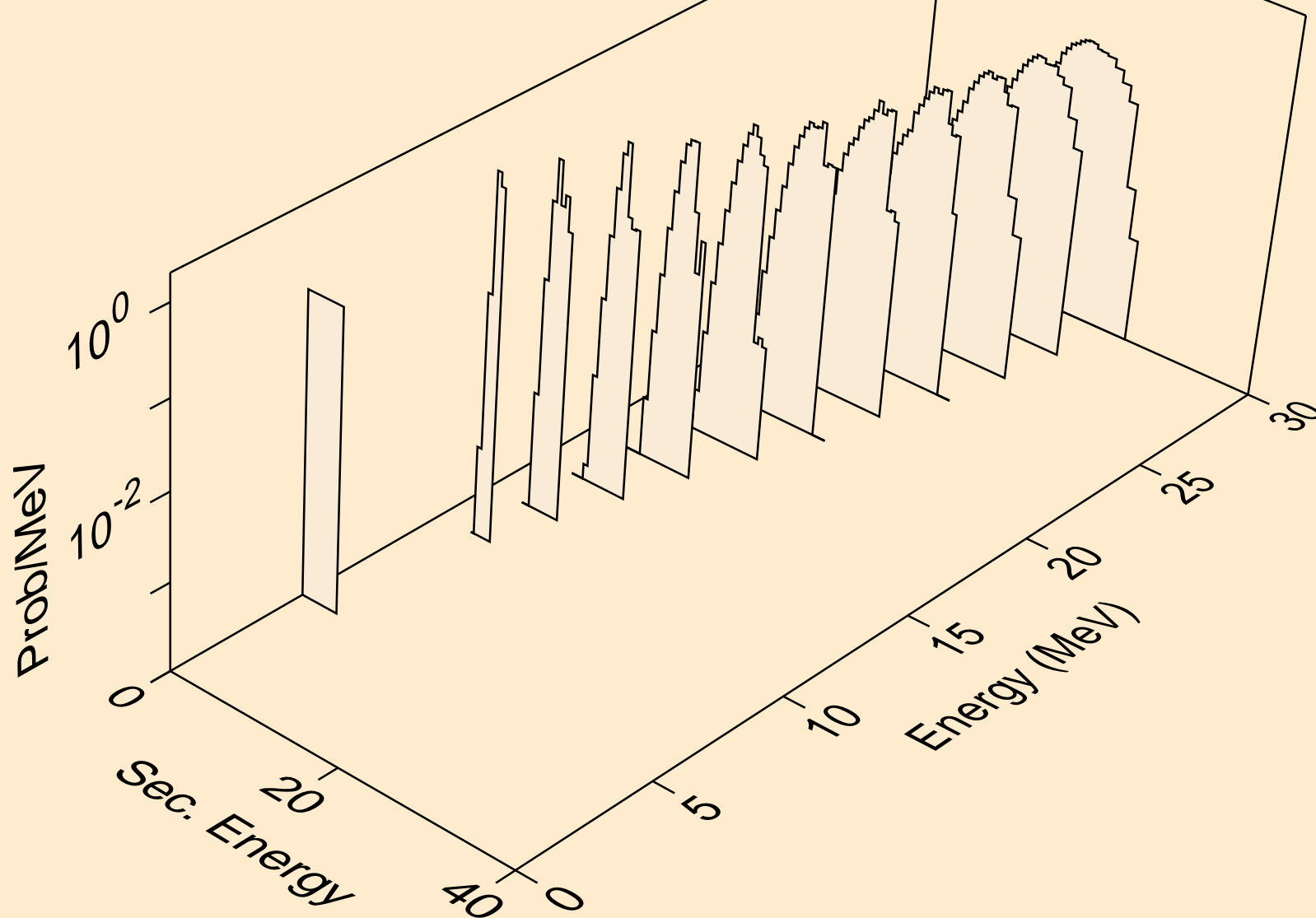


TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)a

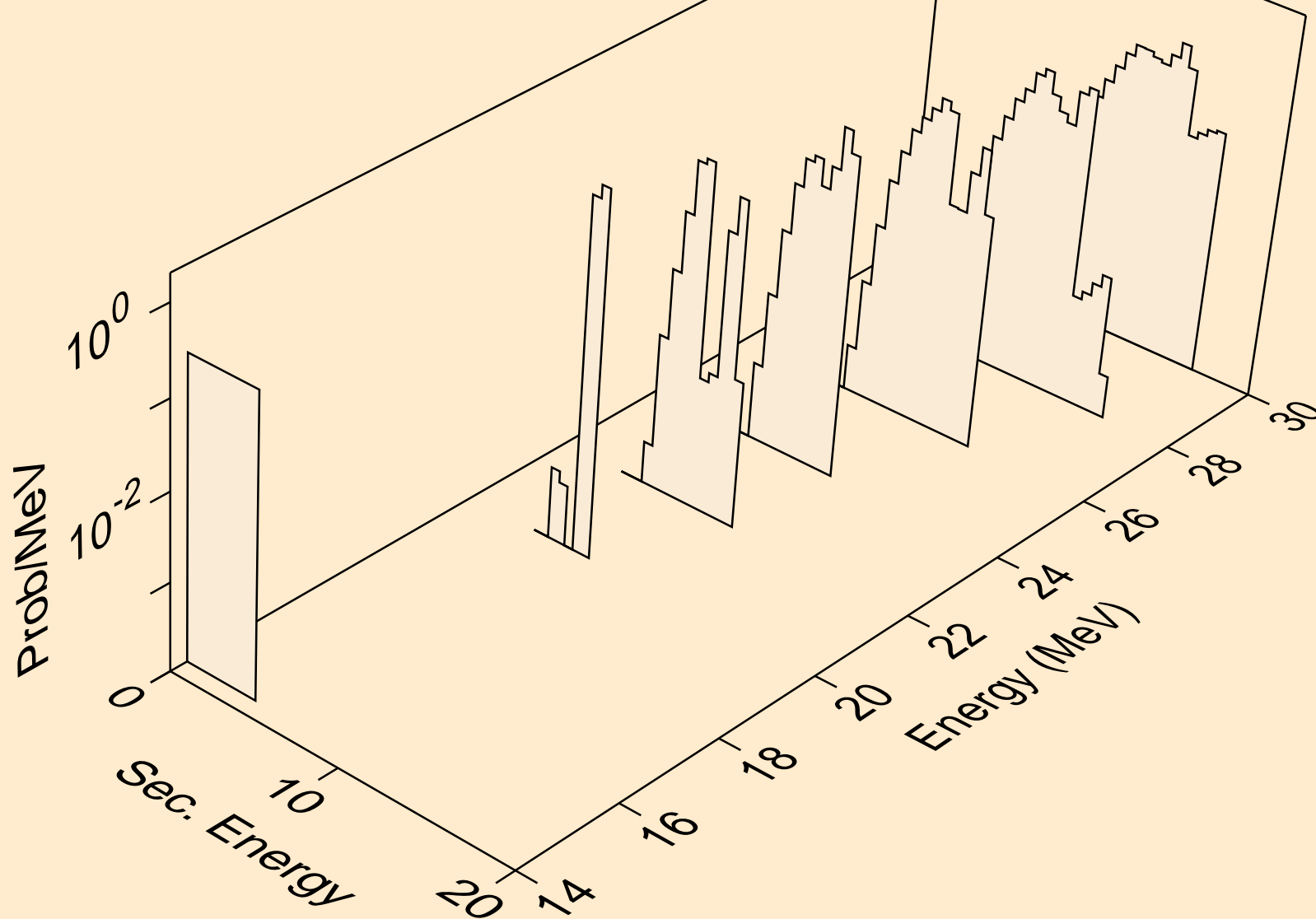




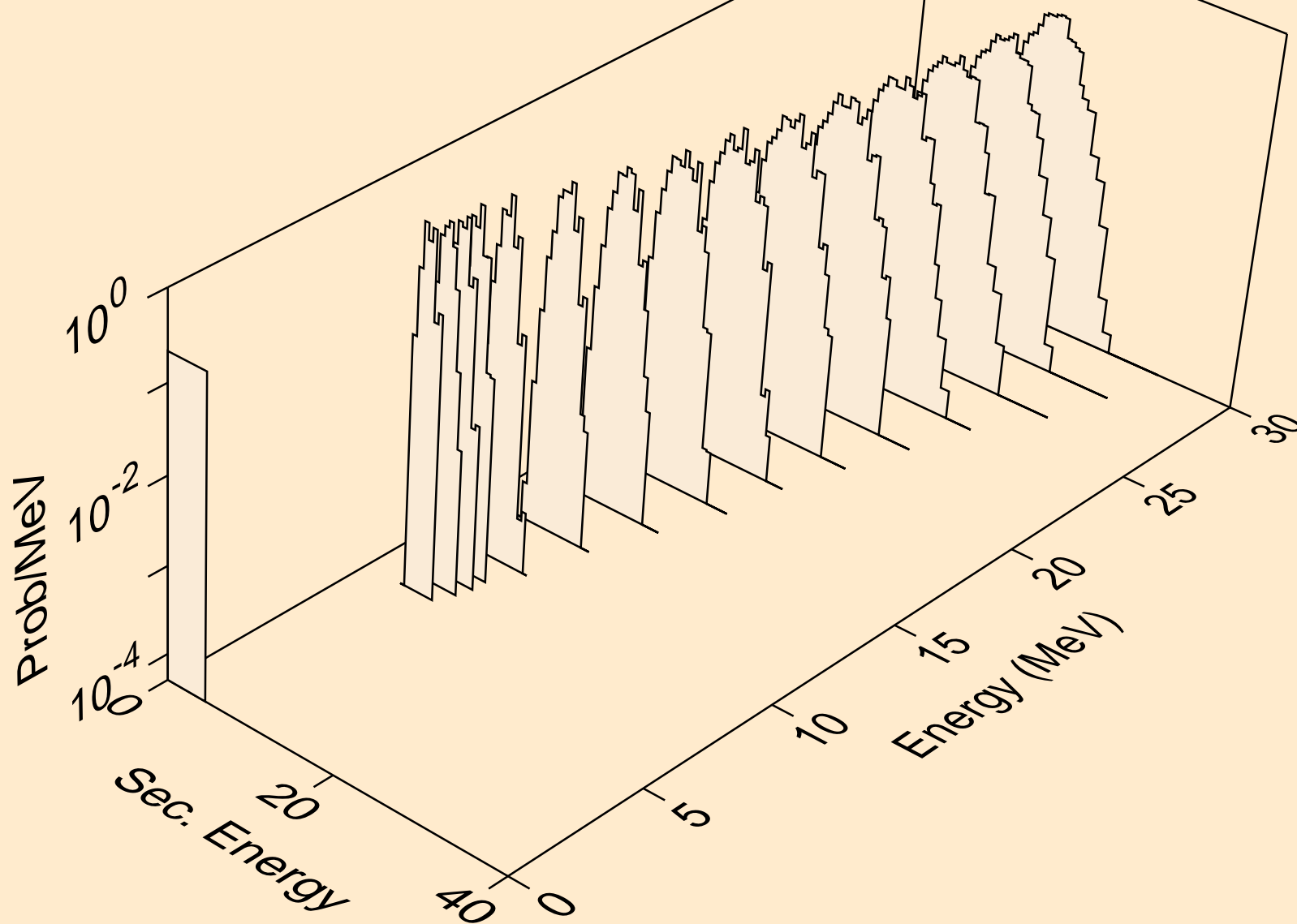
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2n)a



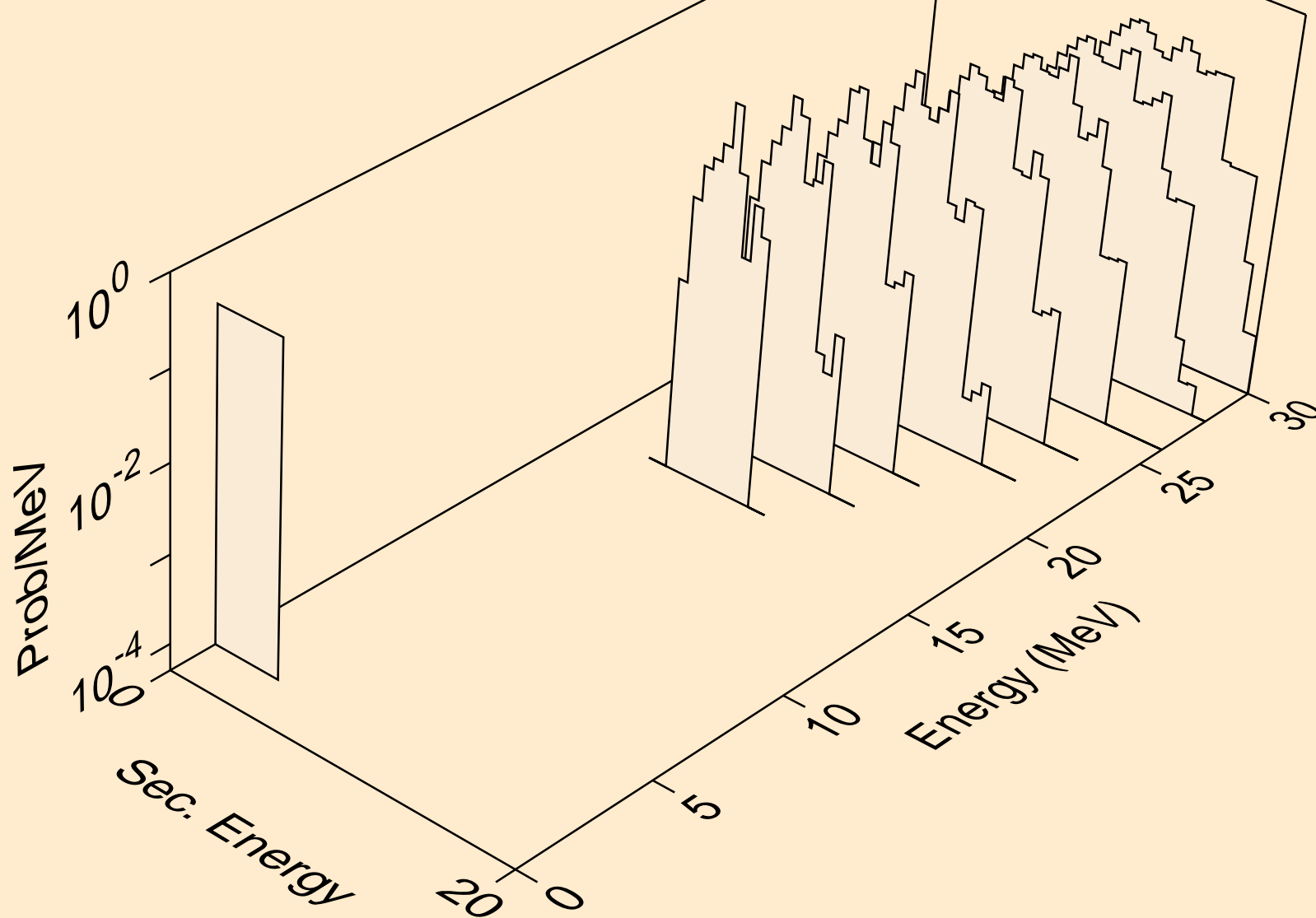
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,3n)a



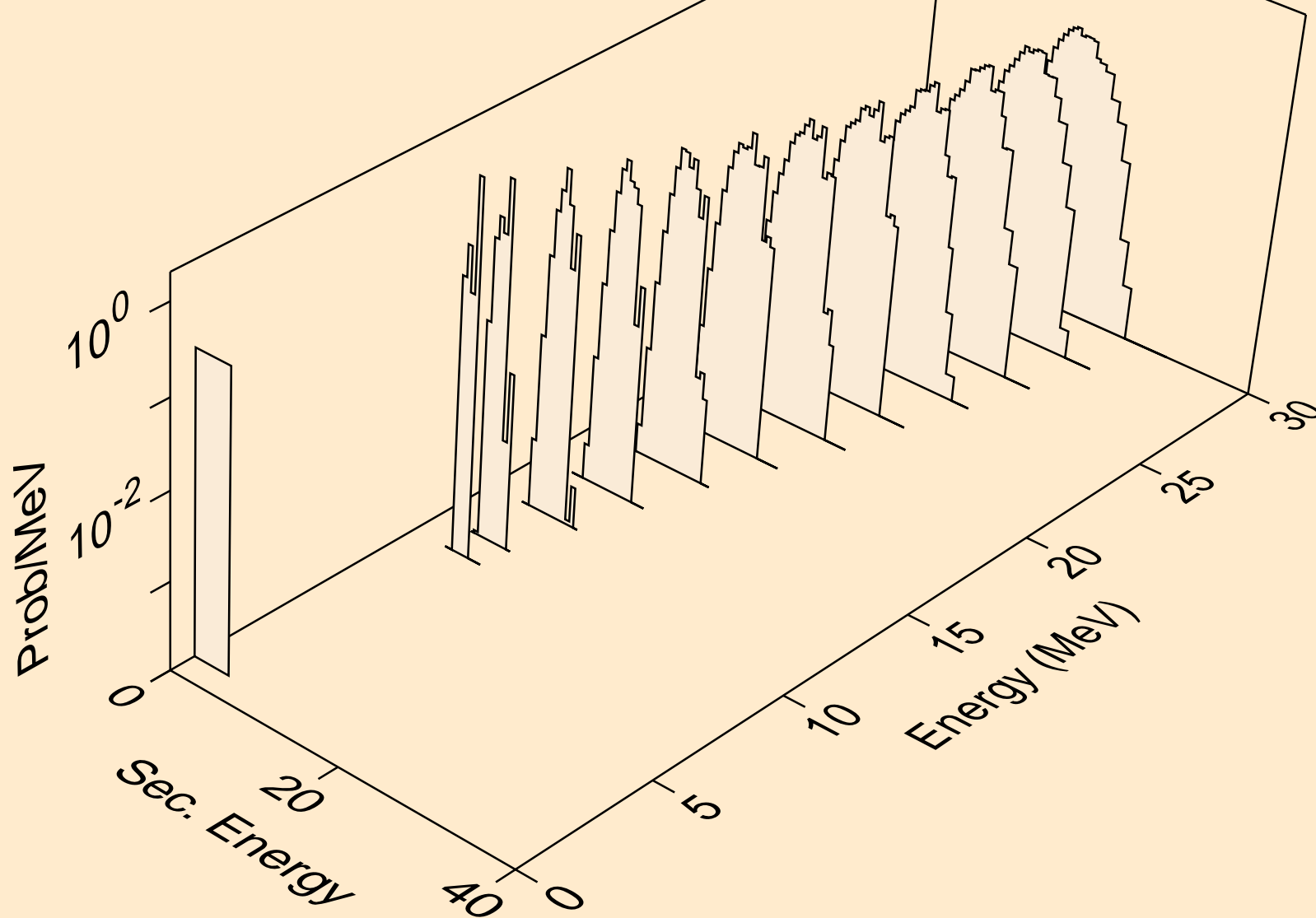
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)2a



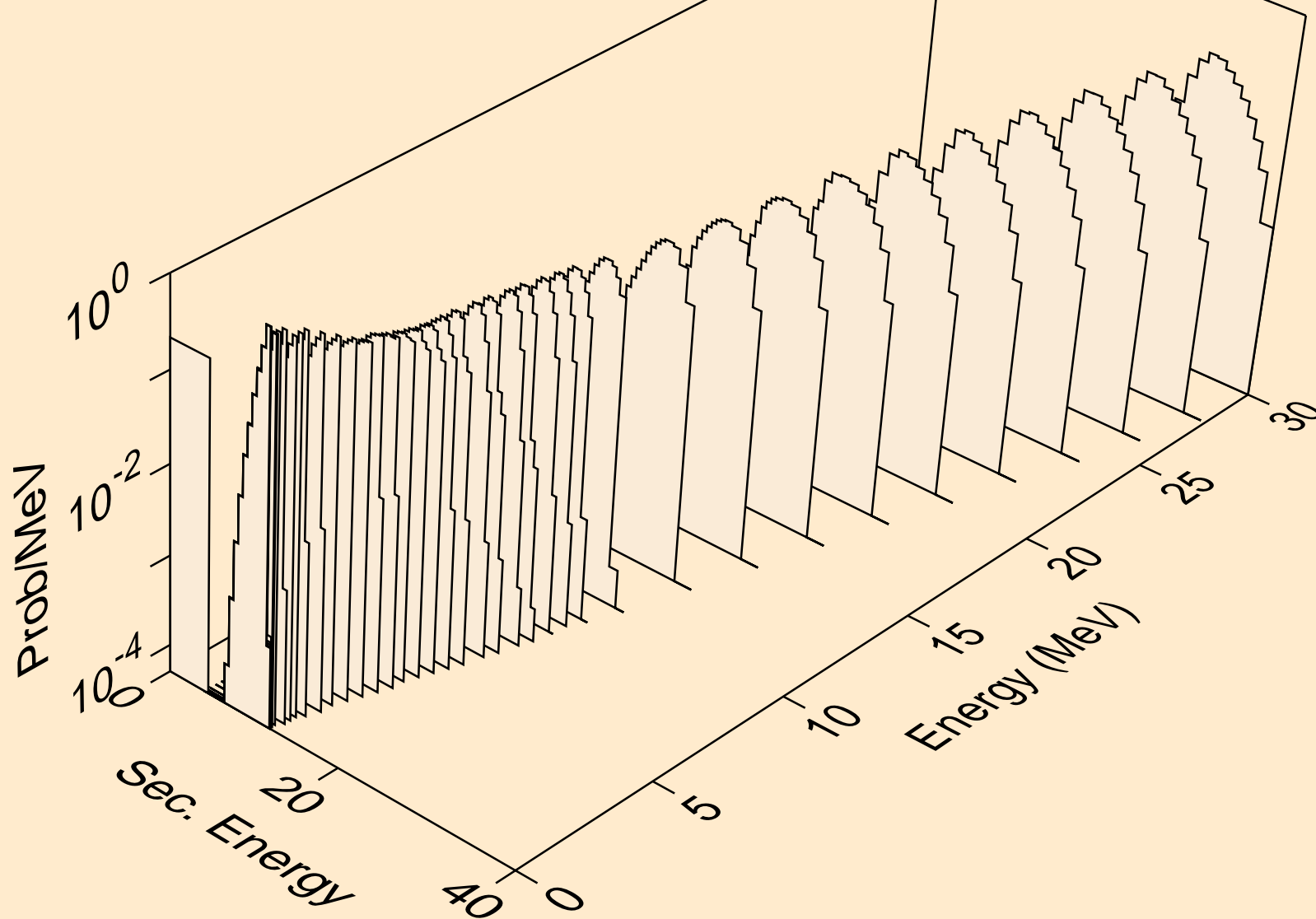
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2n)2a



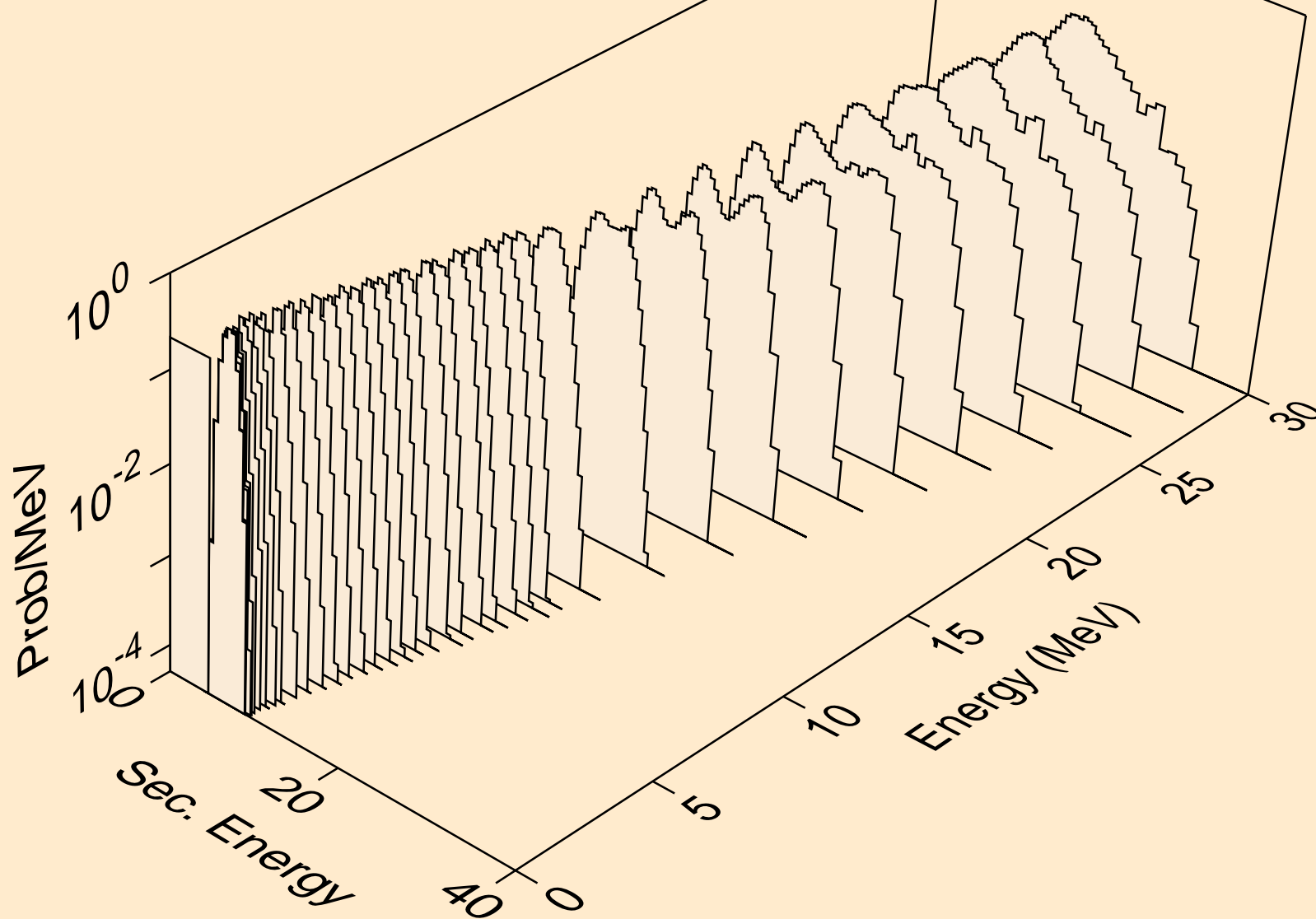
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,npa)



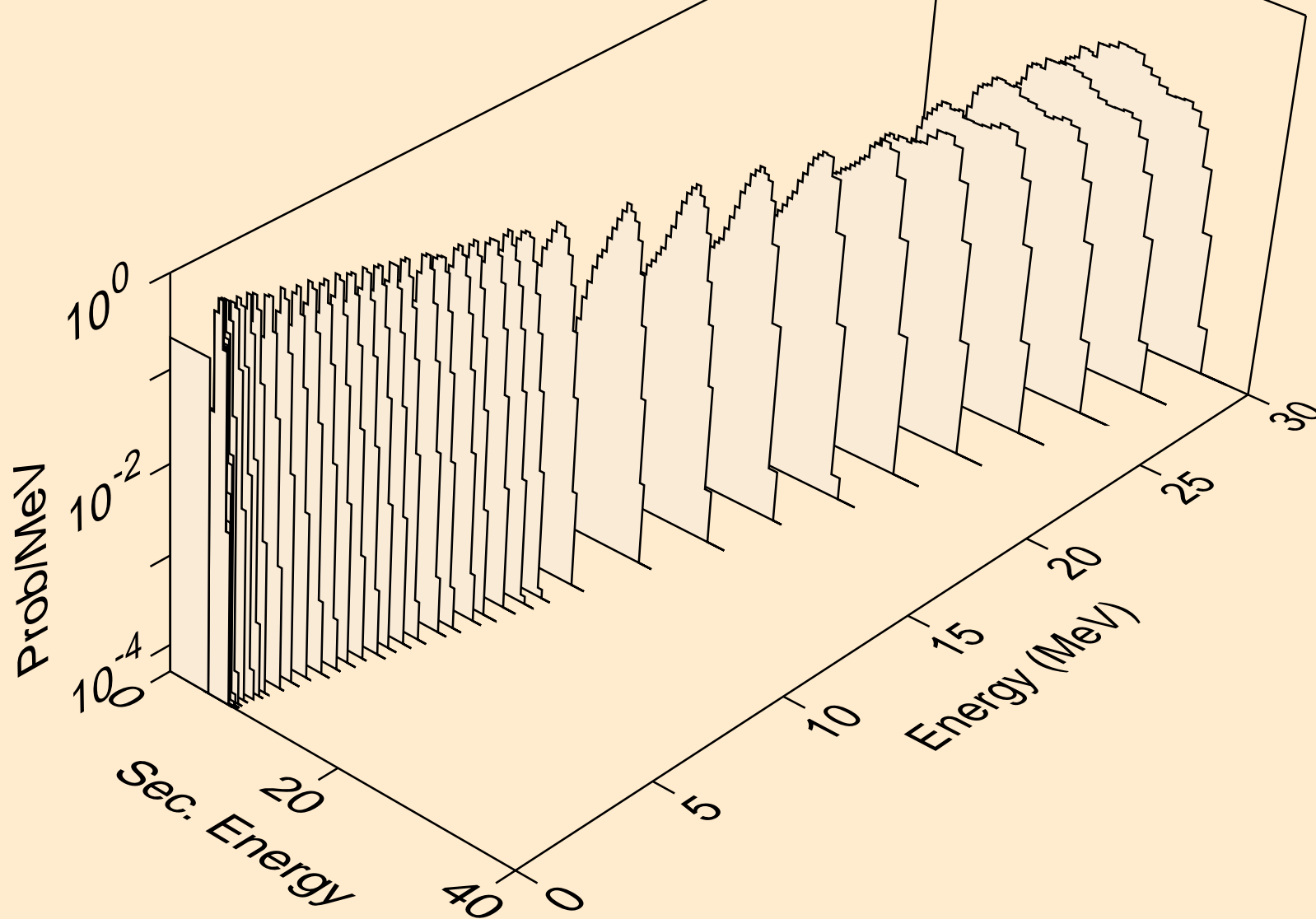
TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,a)



TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2a)



TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,p $\alpha$ )





TM160 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,da)

