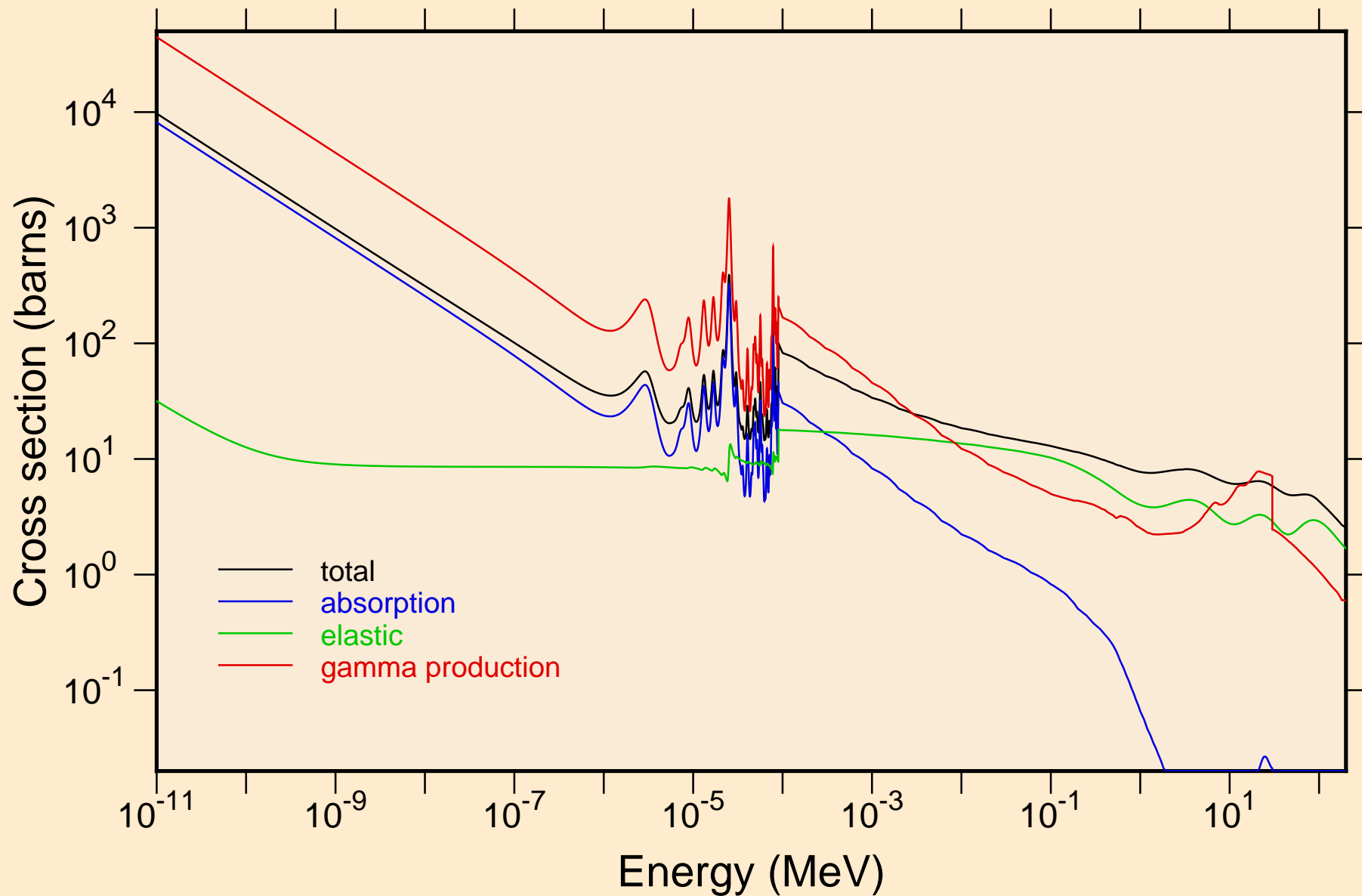
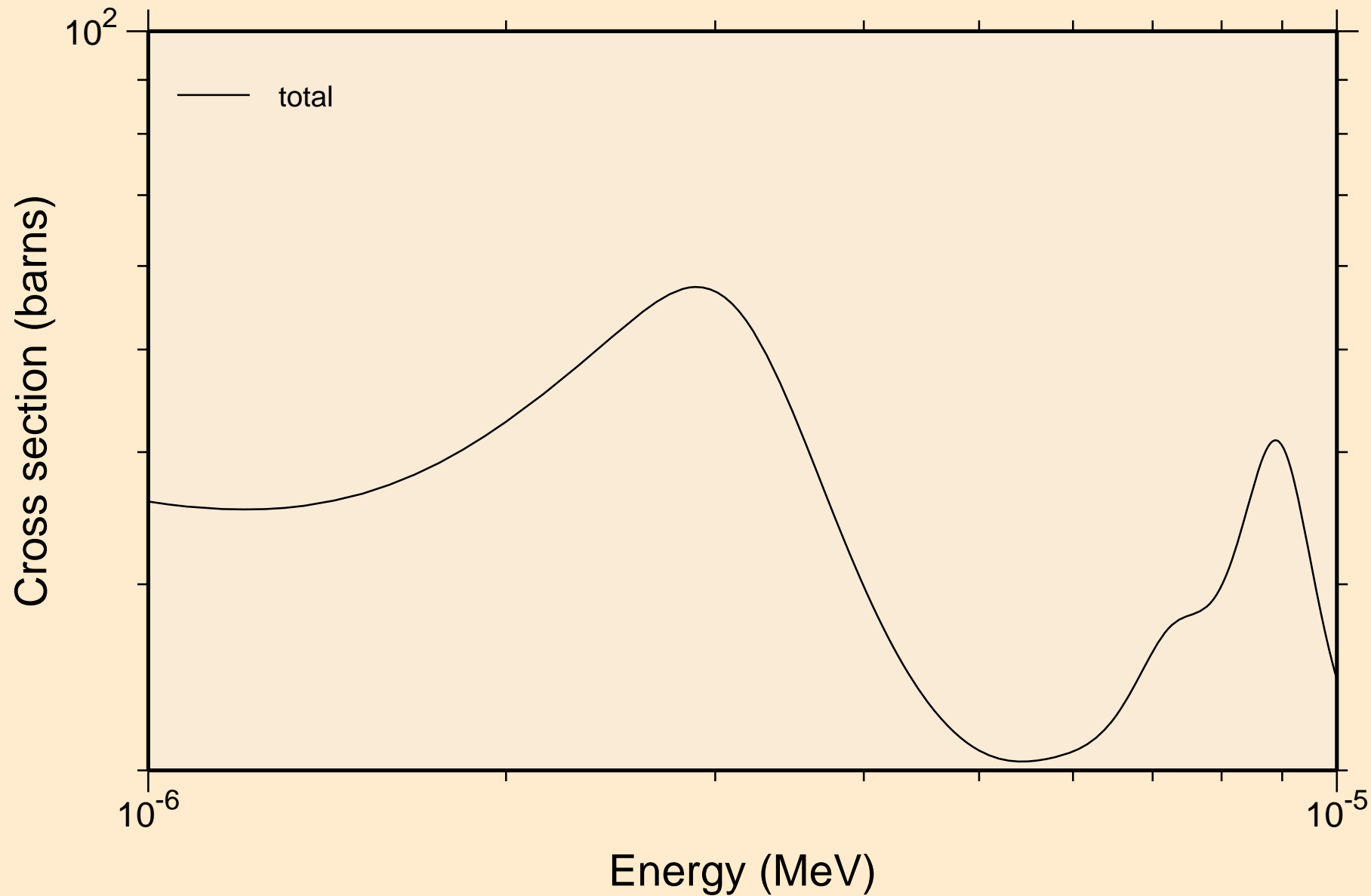


# ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

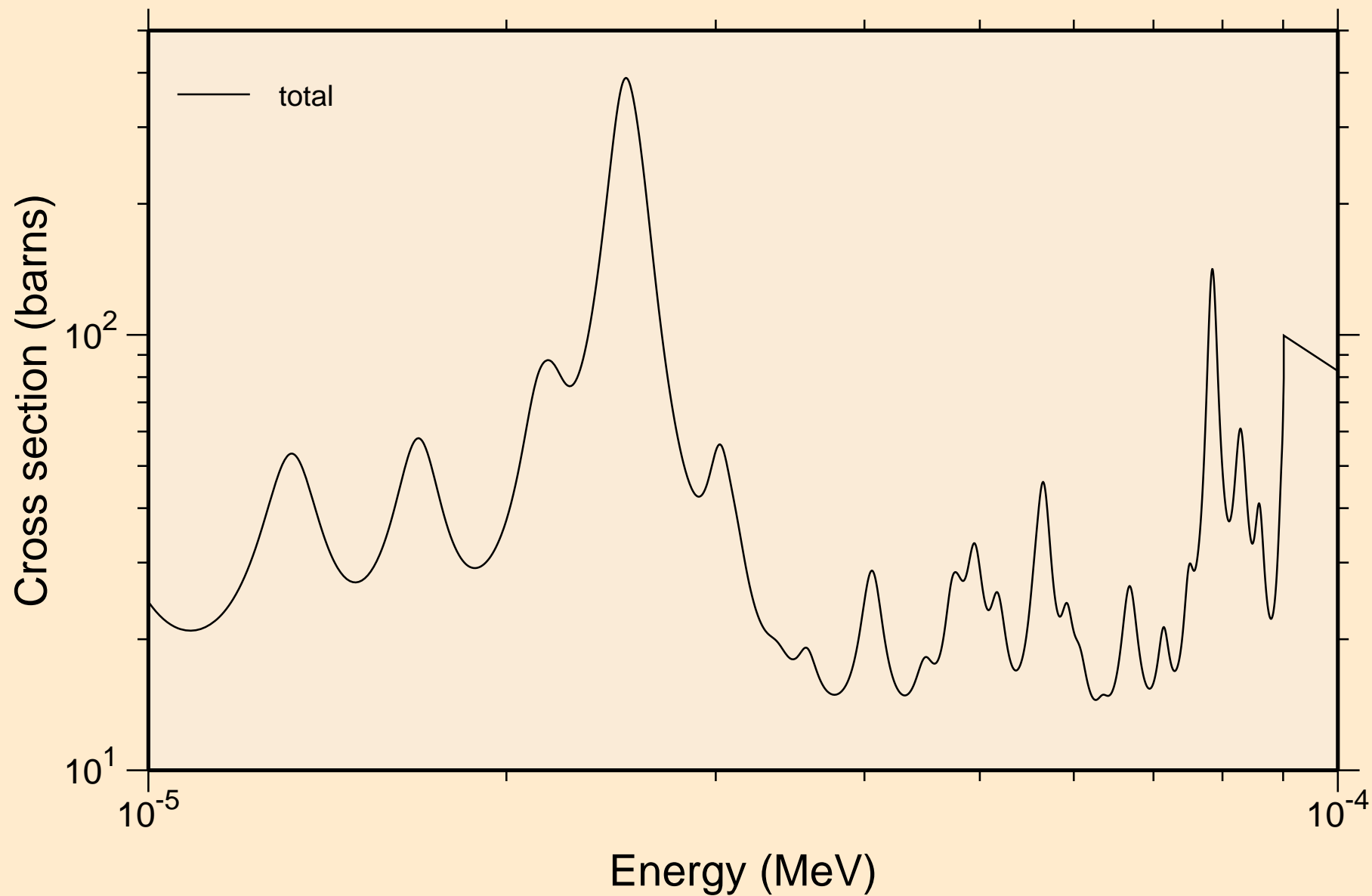
## Principal cross sections



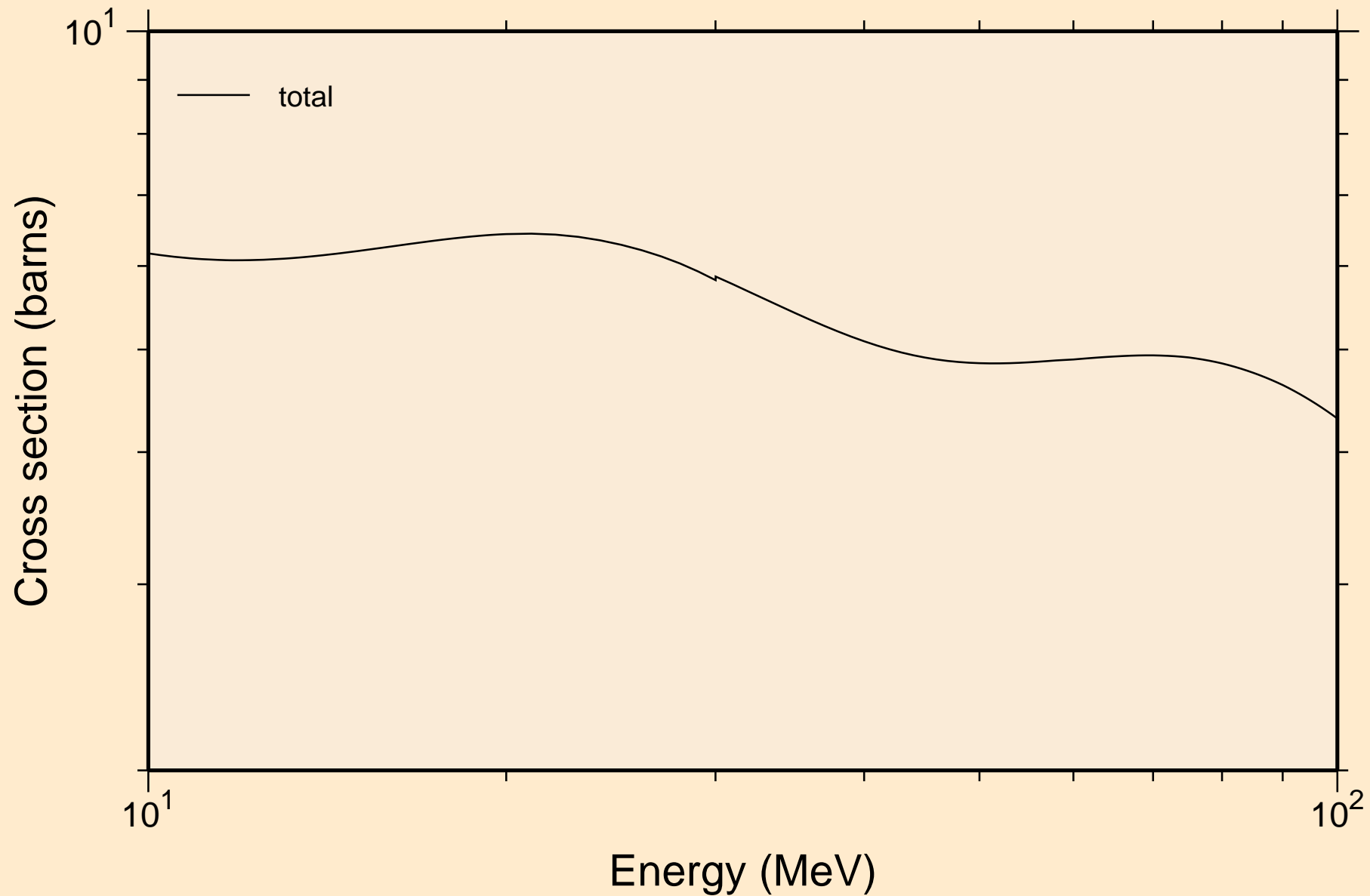
ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



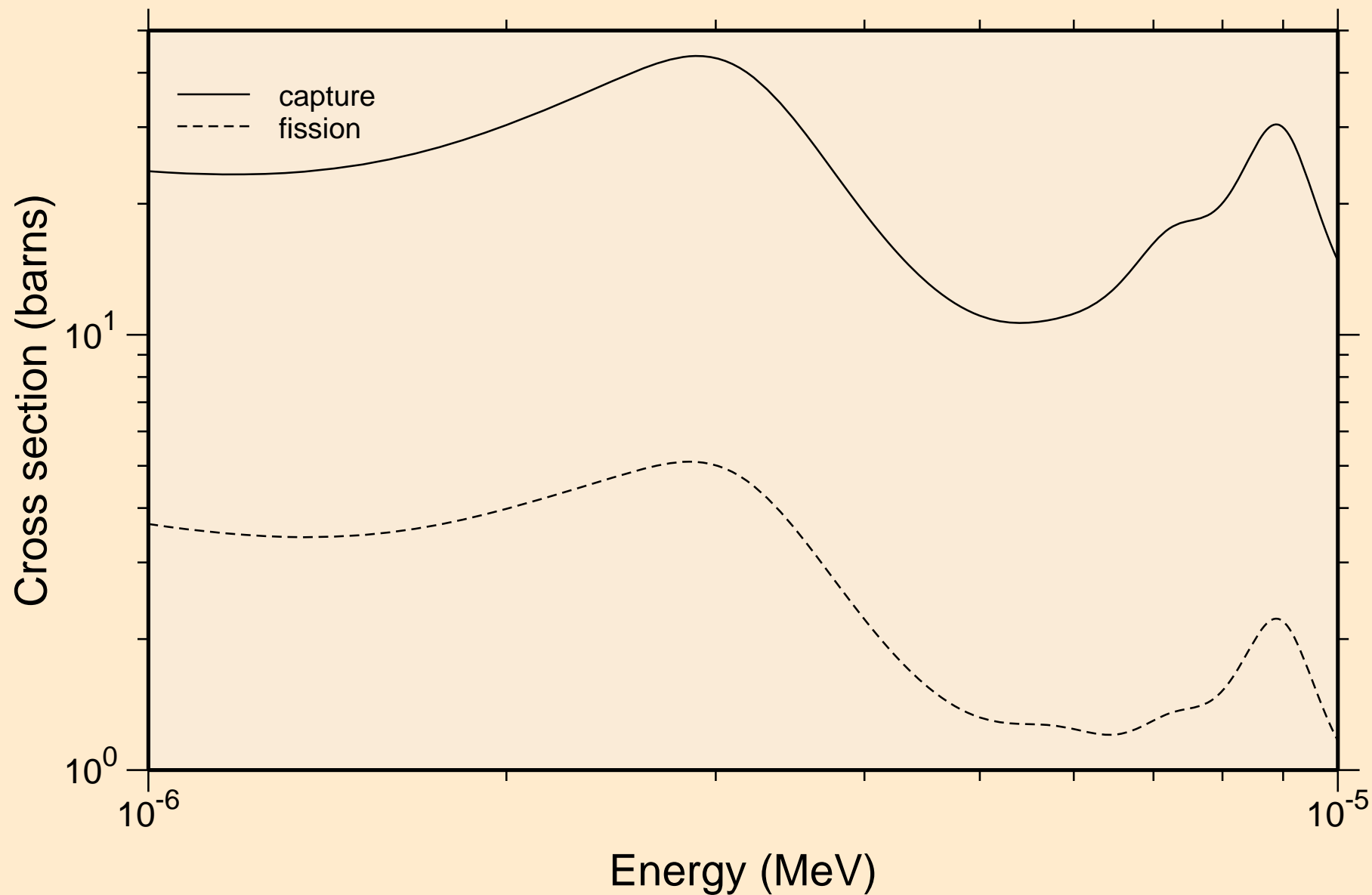
ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



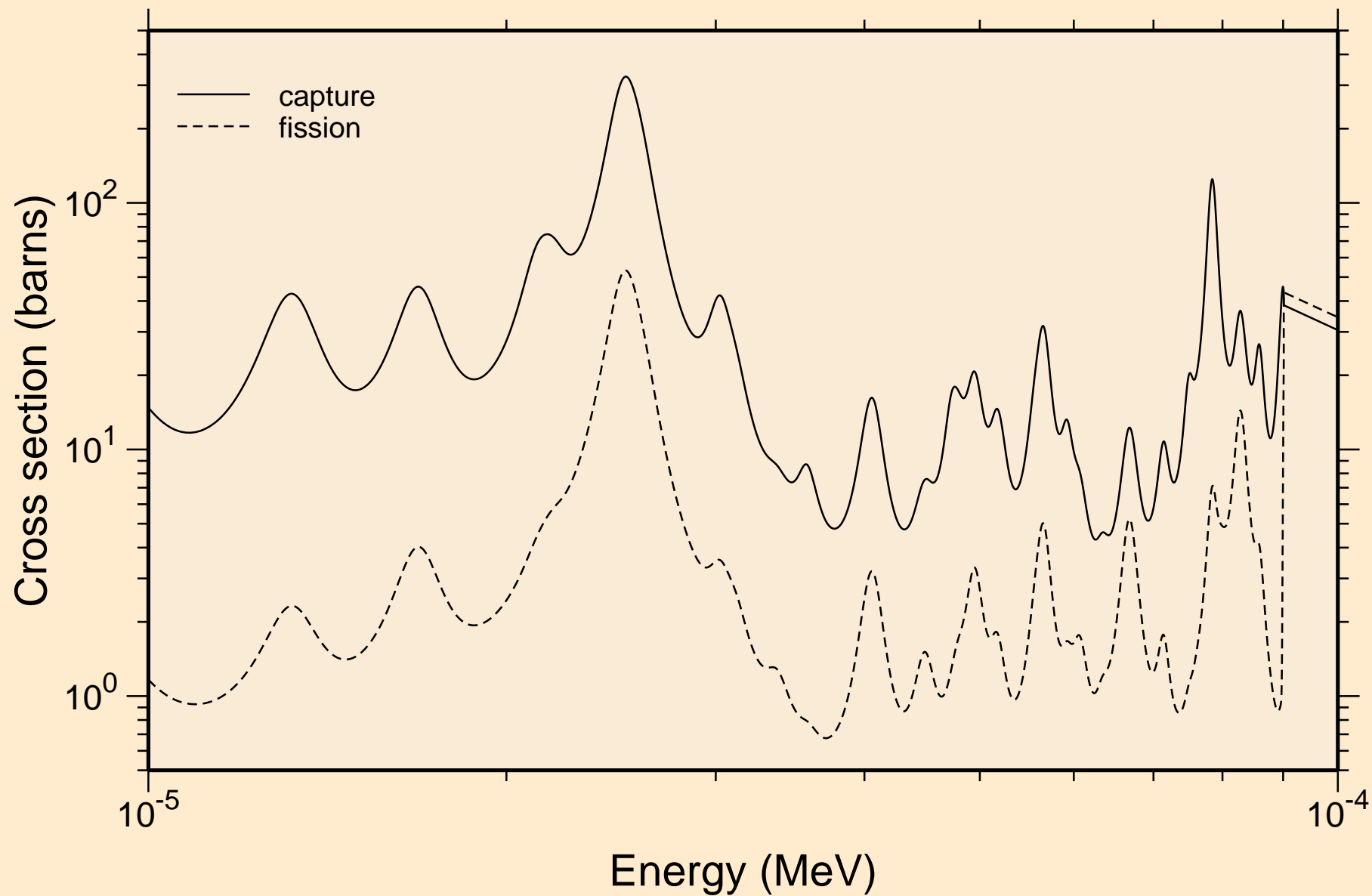
ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



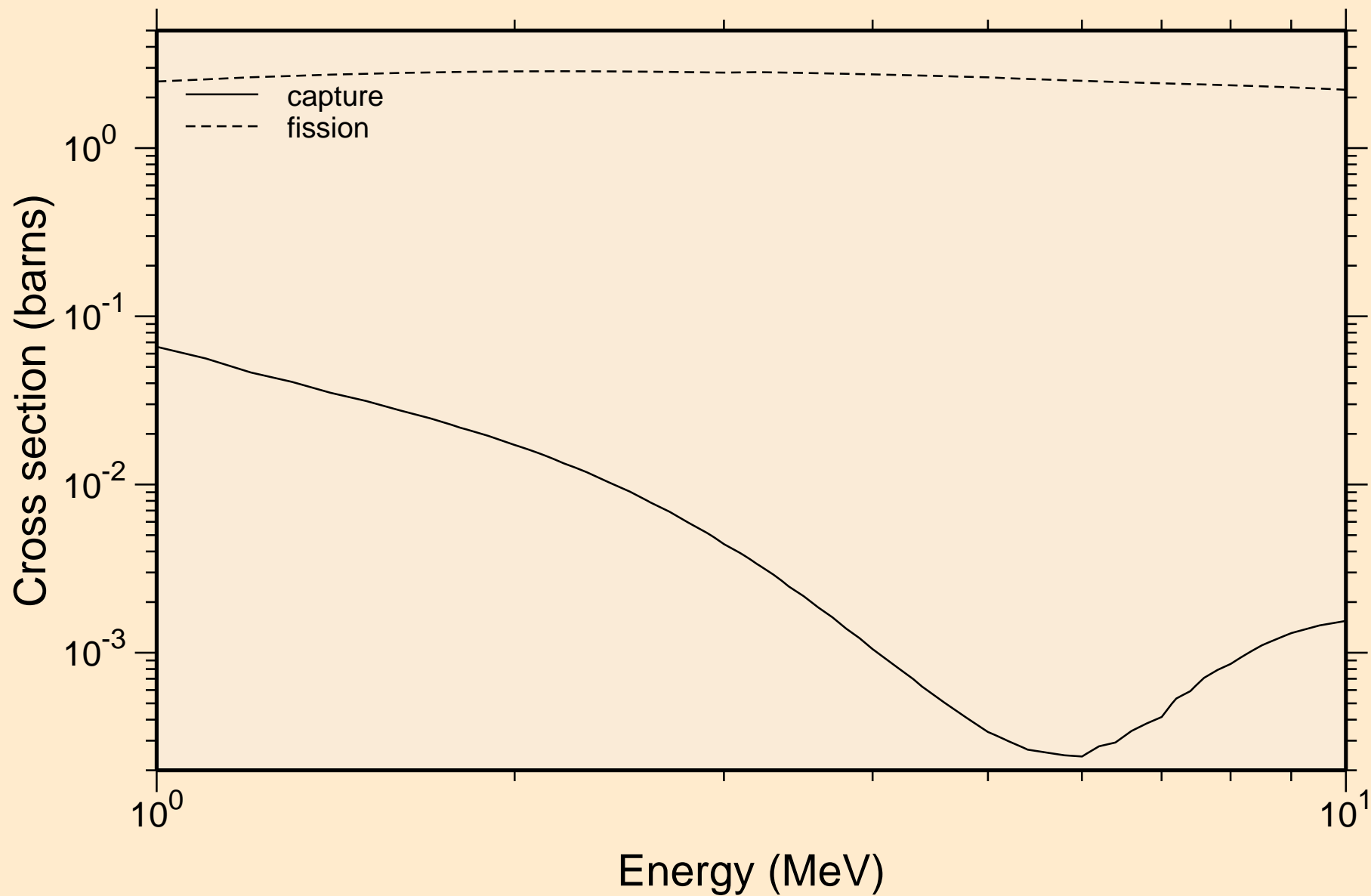
ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



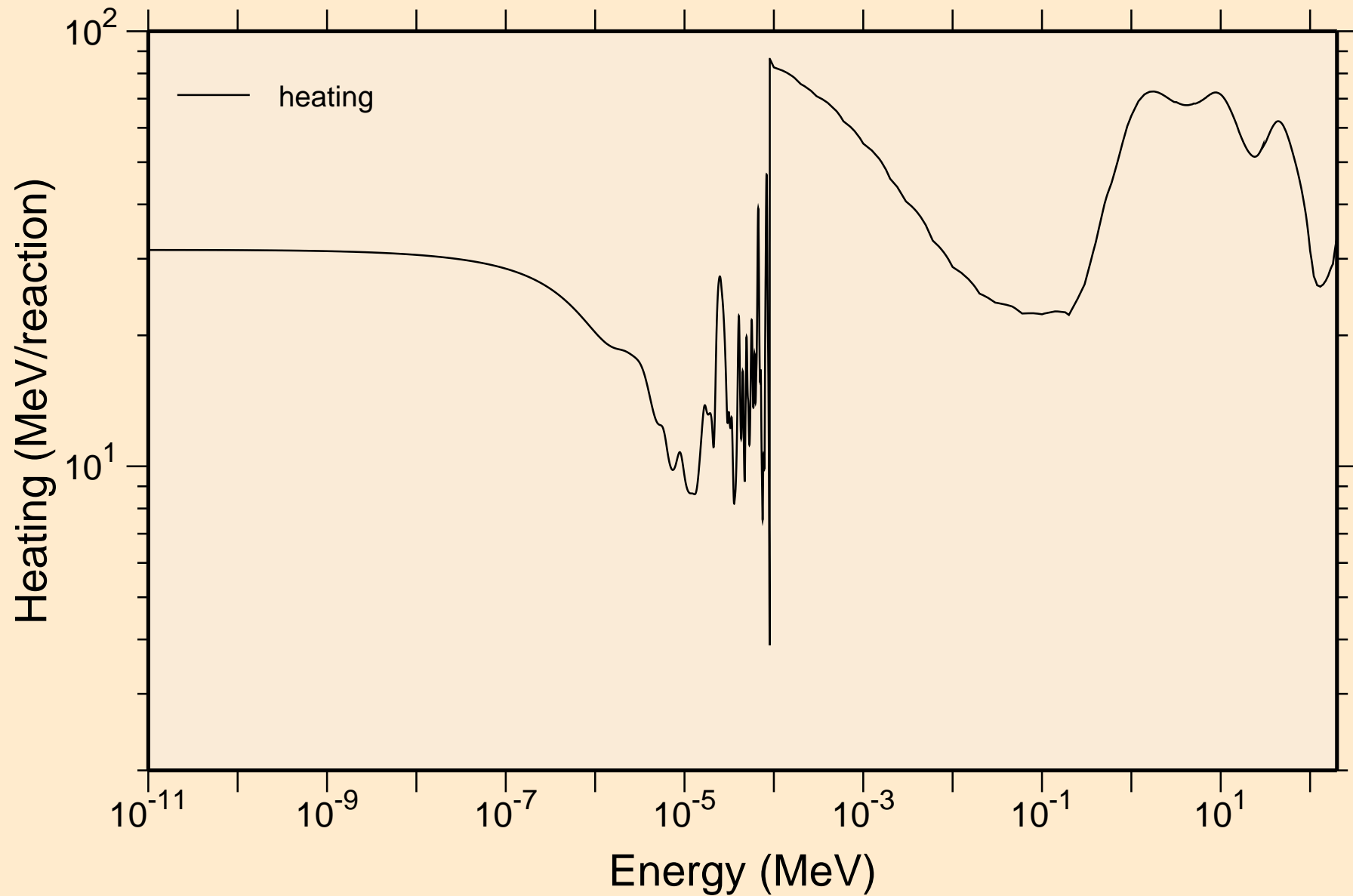
ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections

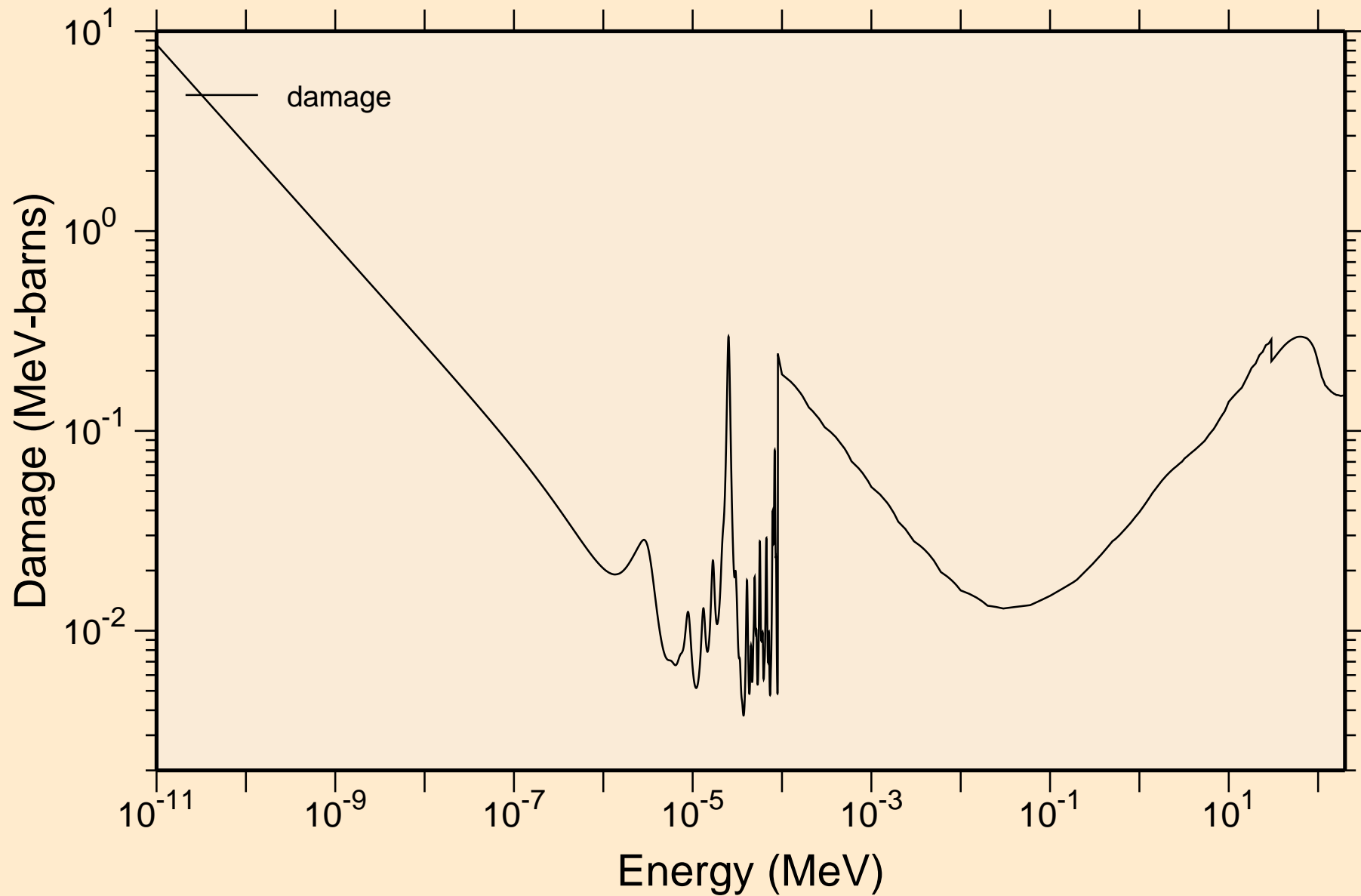


ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating

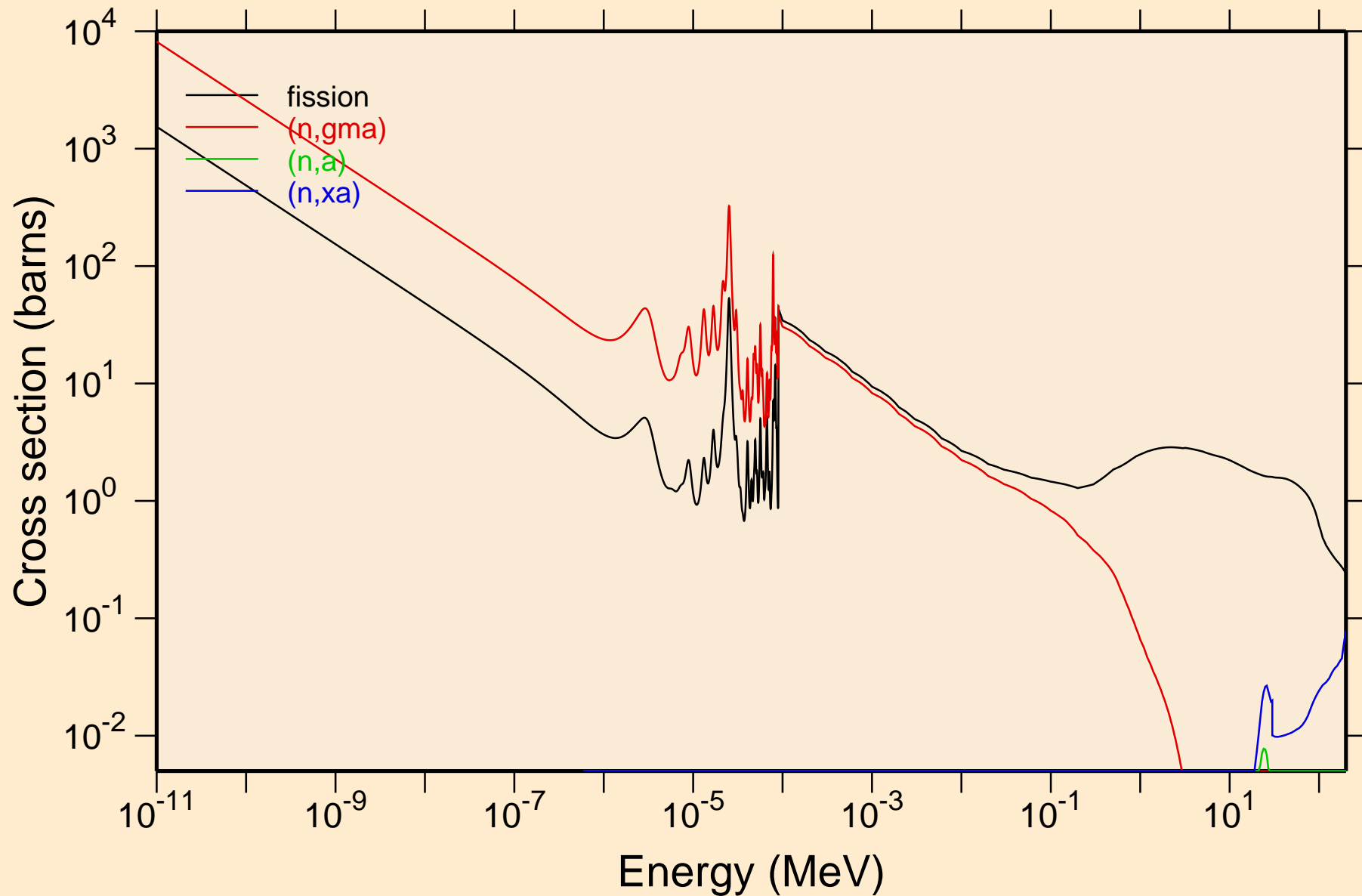




ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Damage

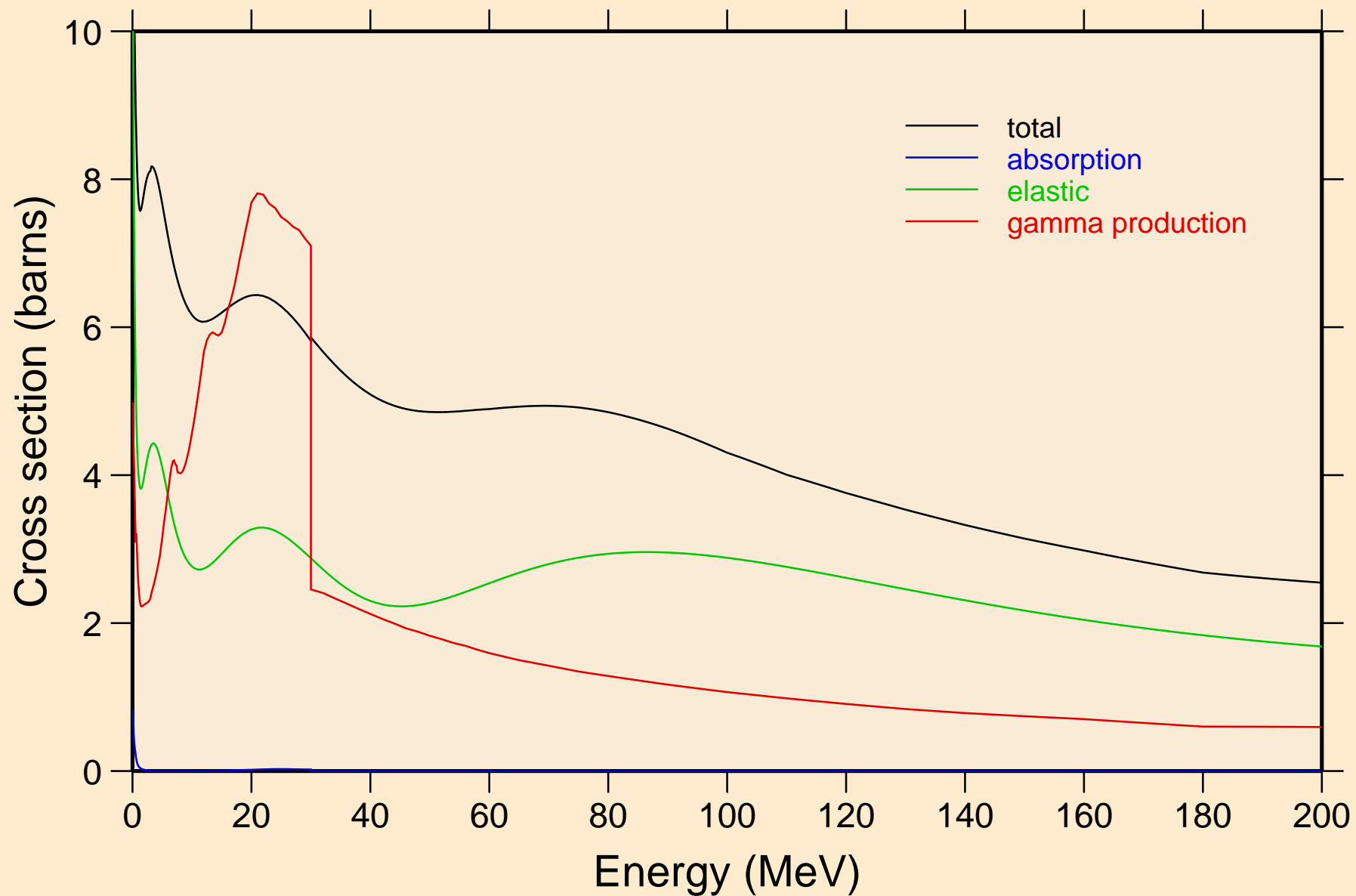


ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions

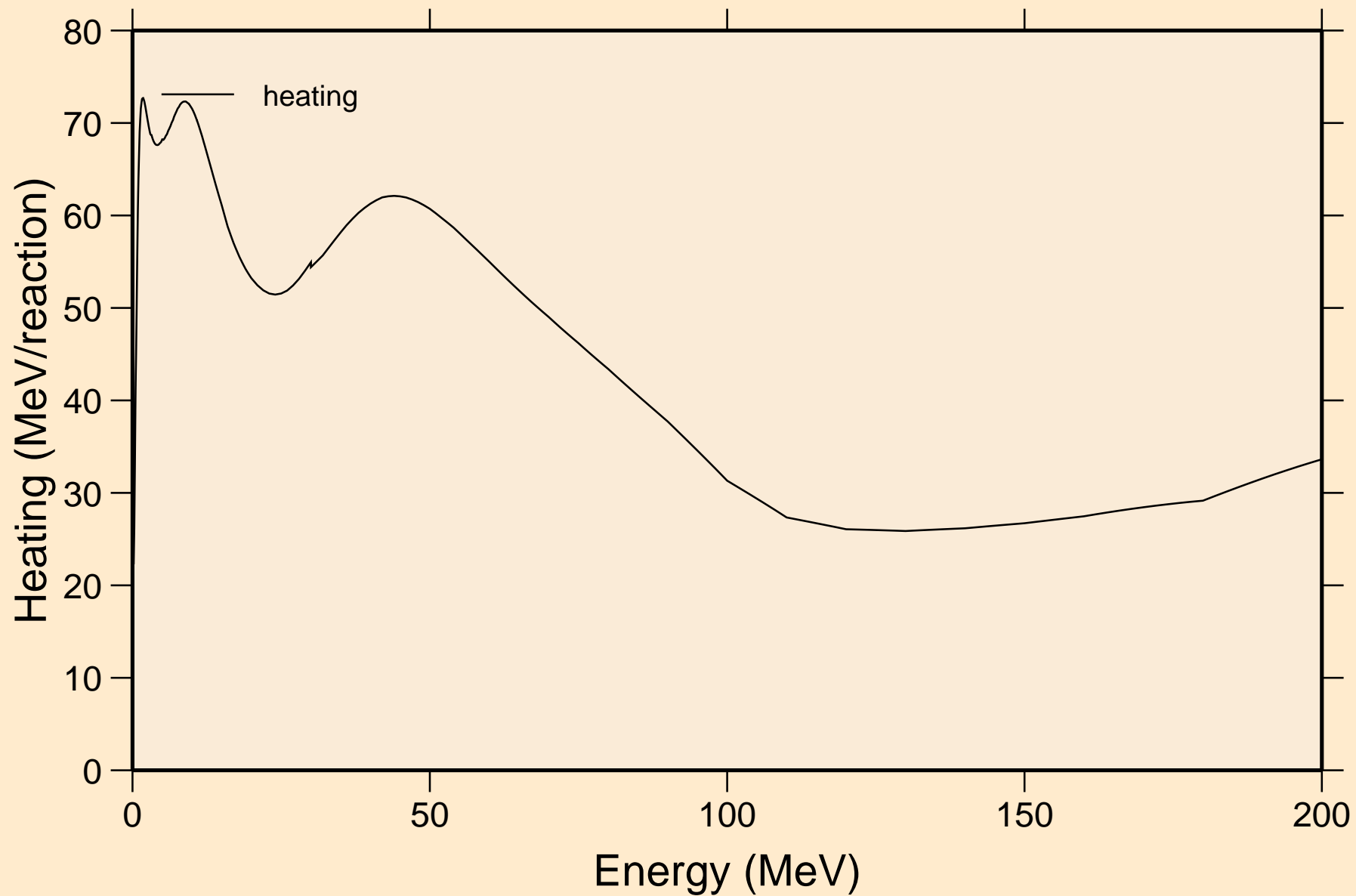


# ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

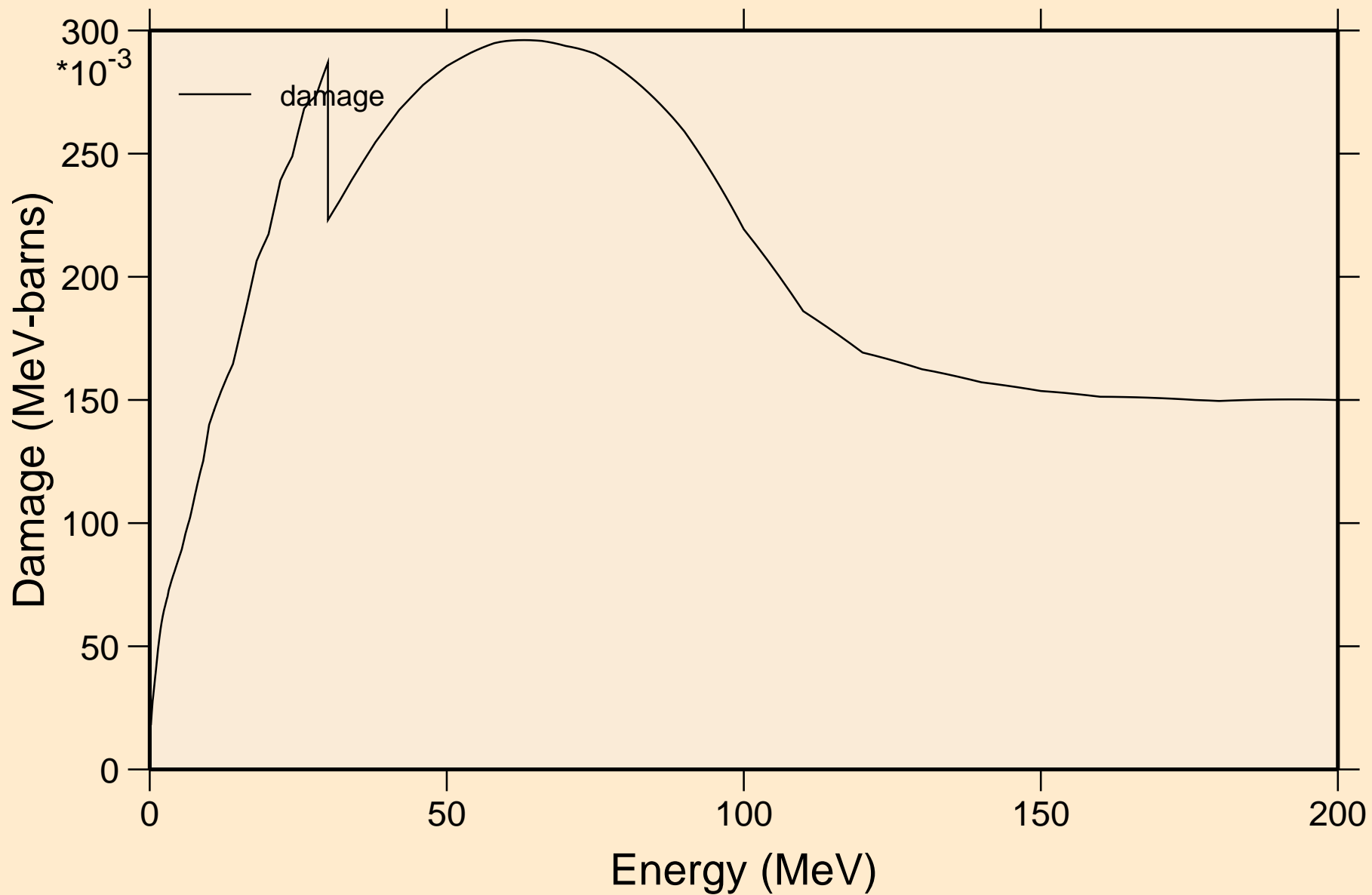
## Principal cross sections



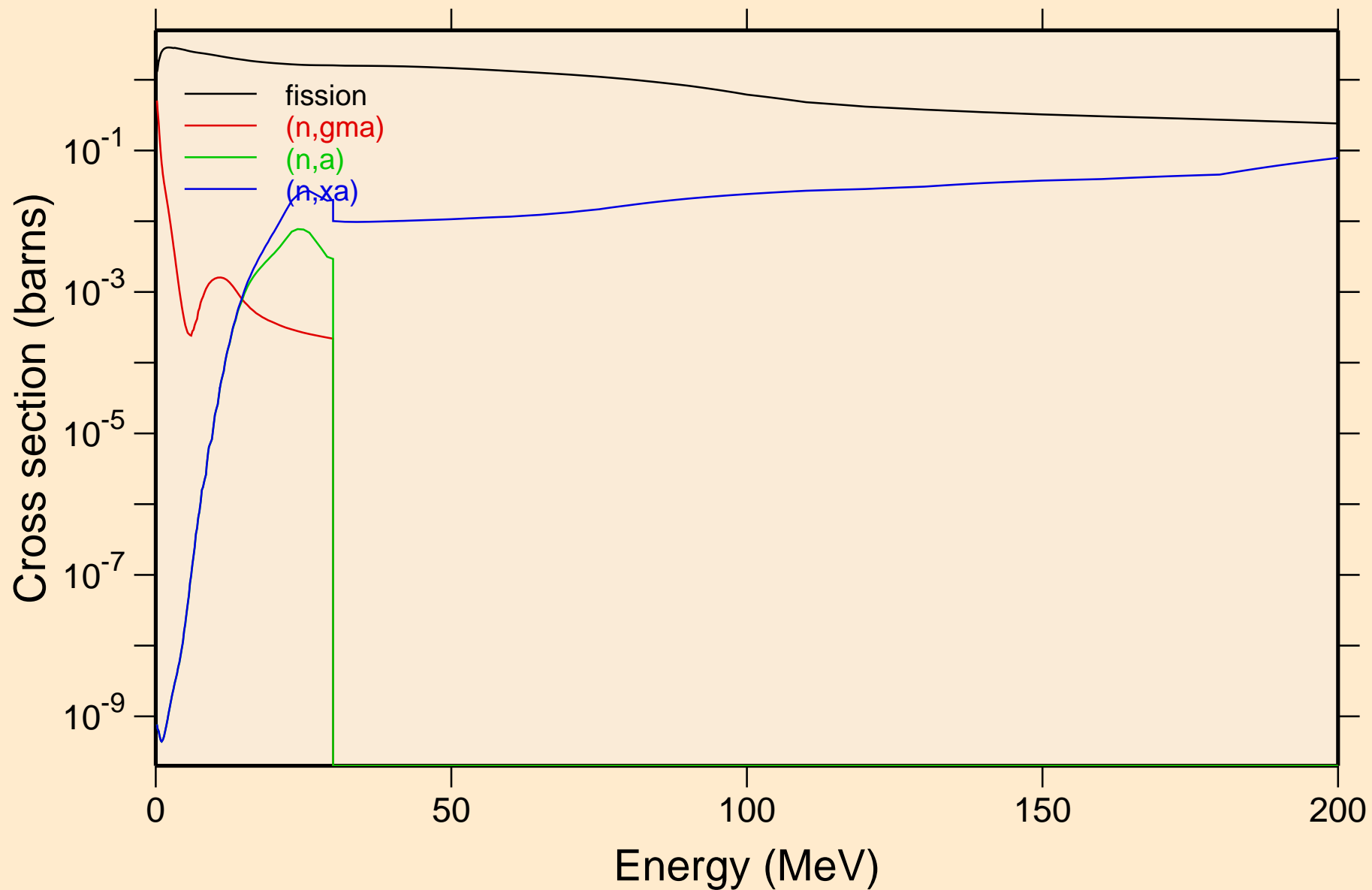
ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating



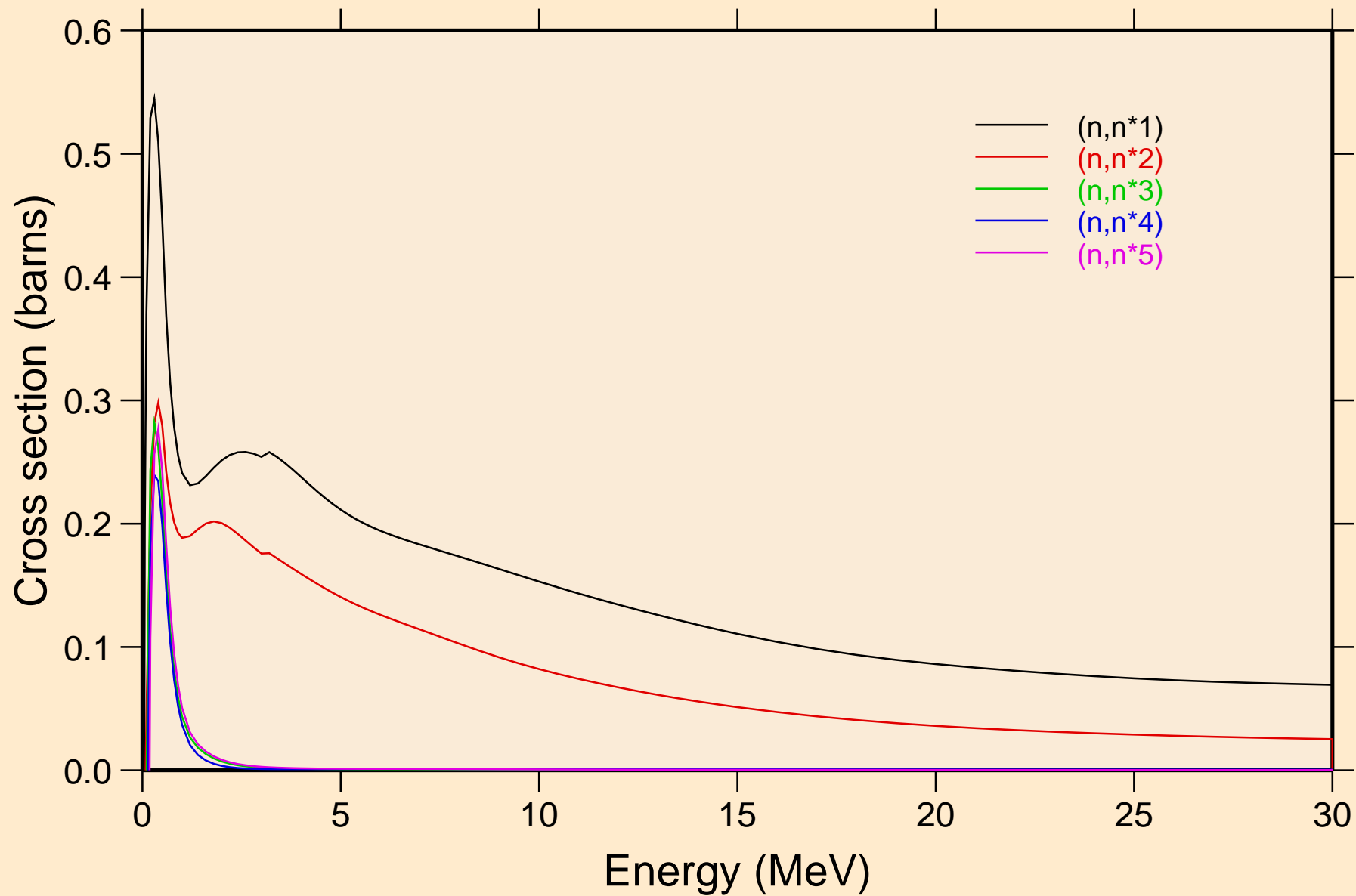
ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Damage



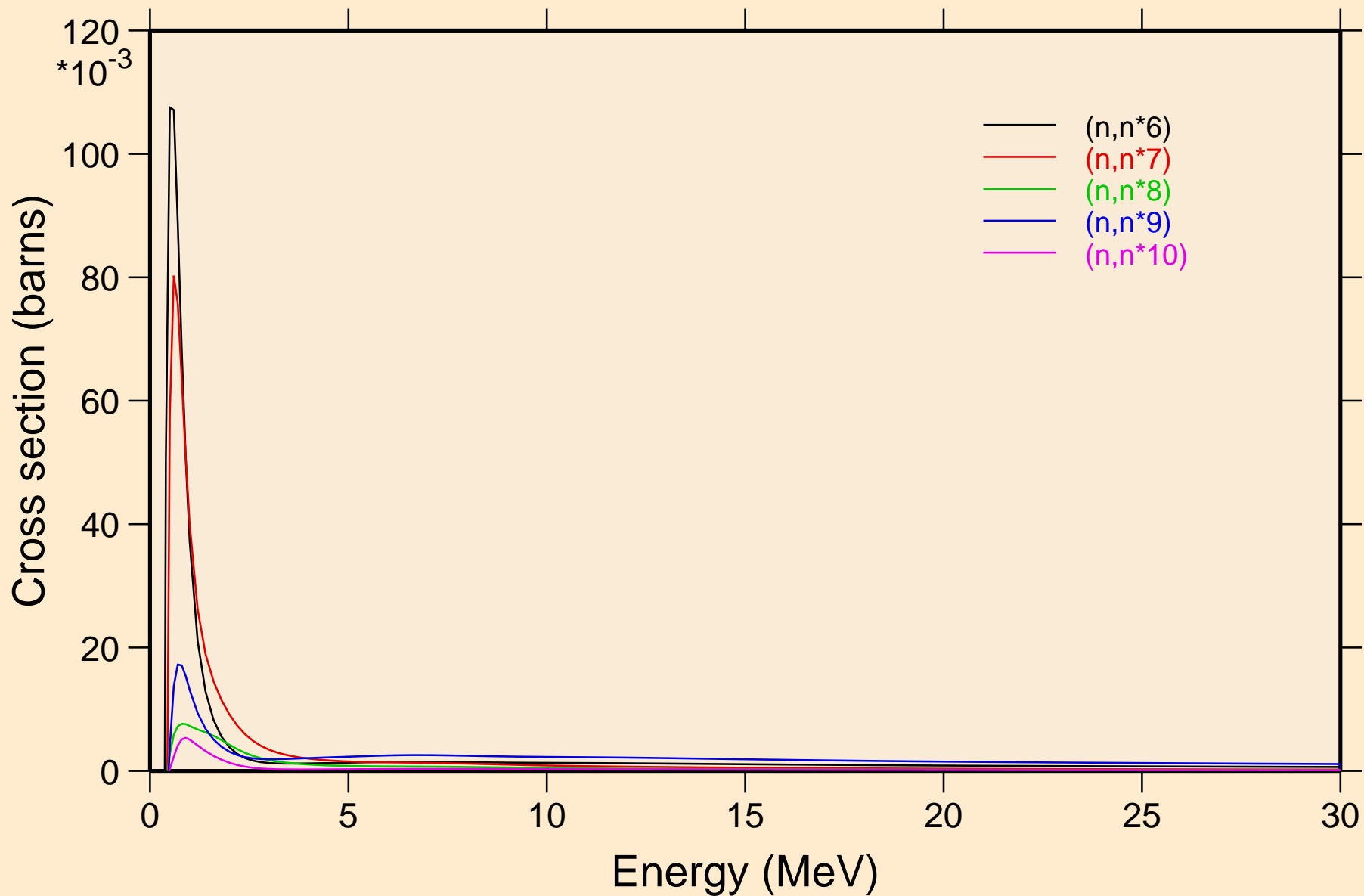
ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions



ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels

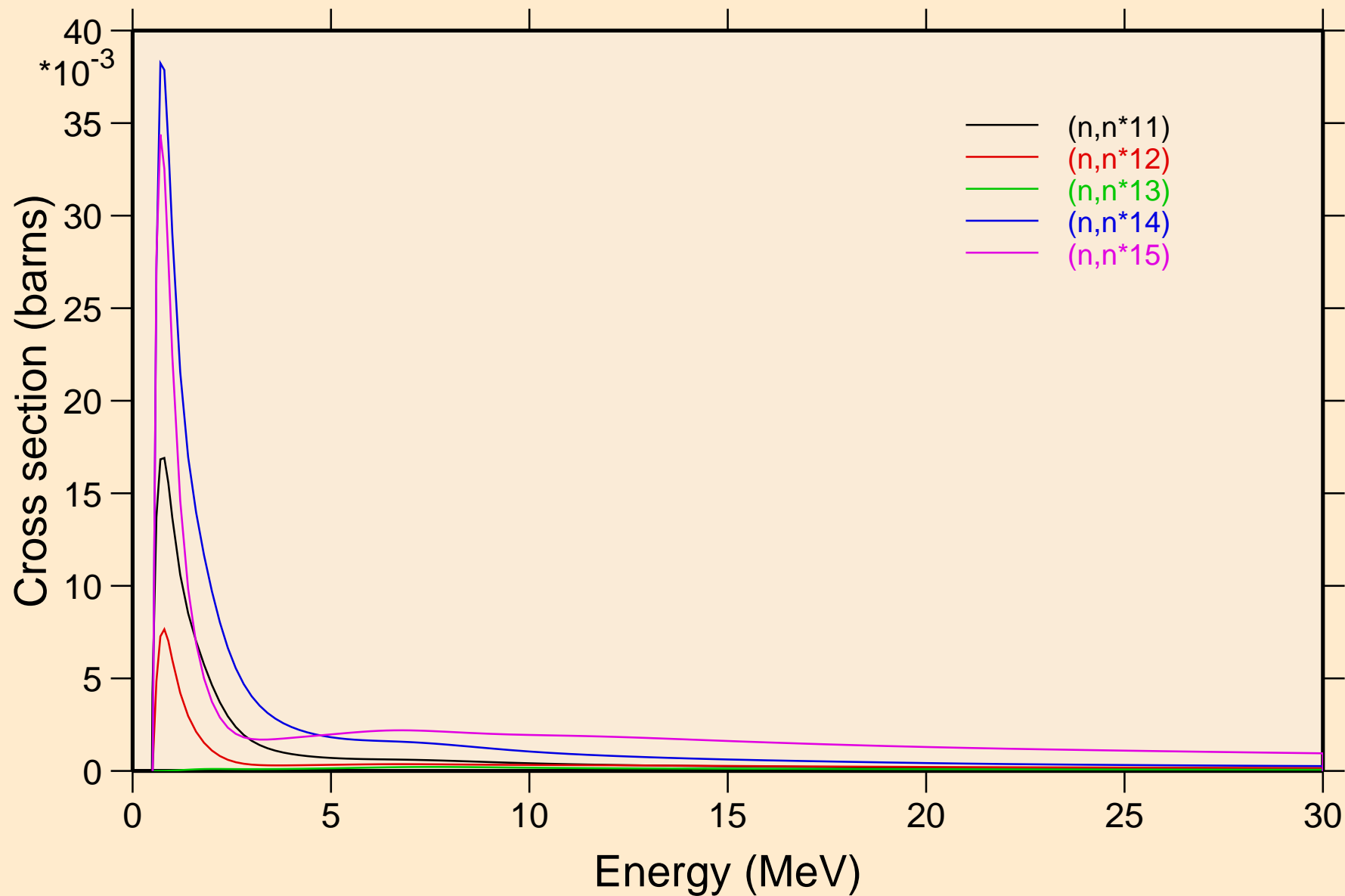


ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels

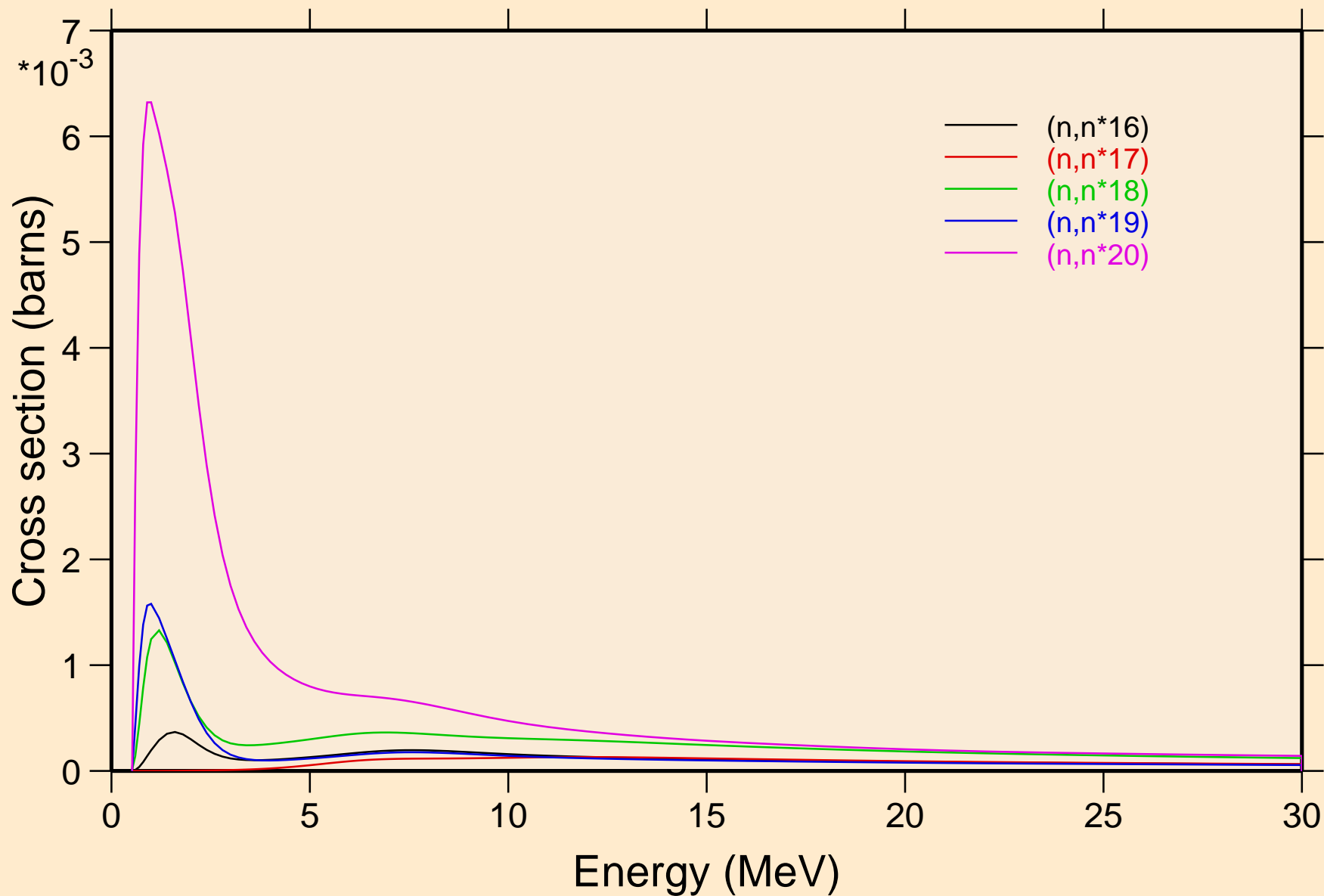




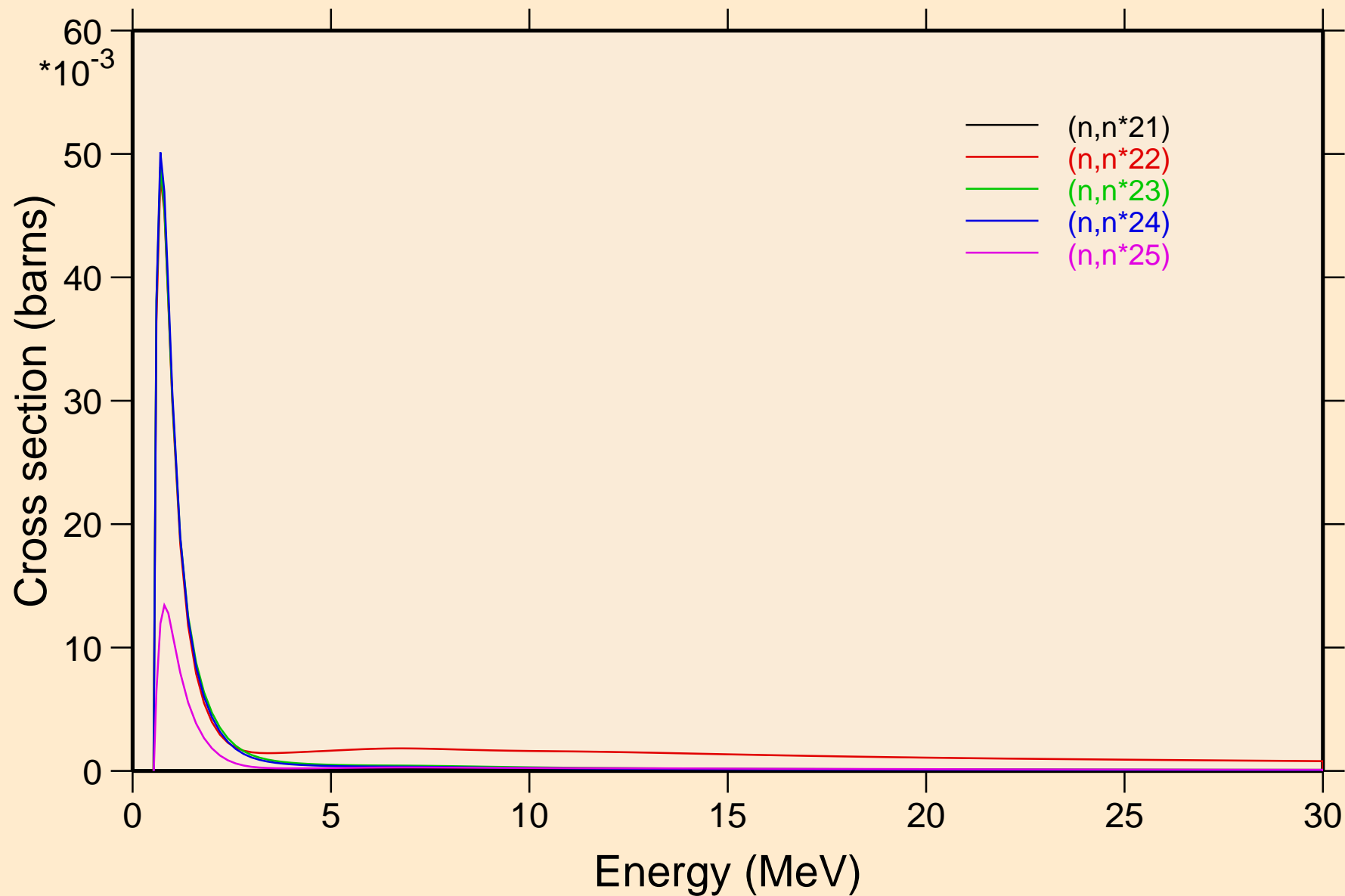
ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



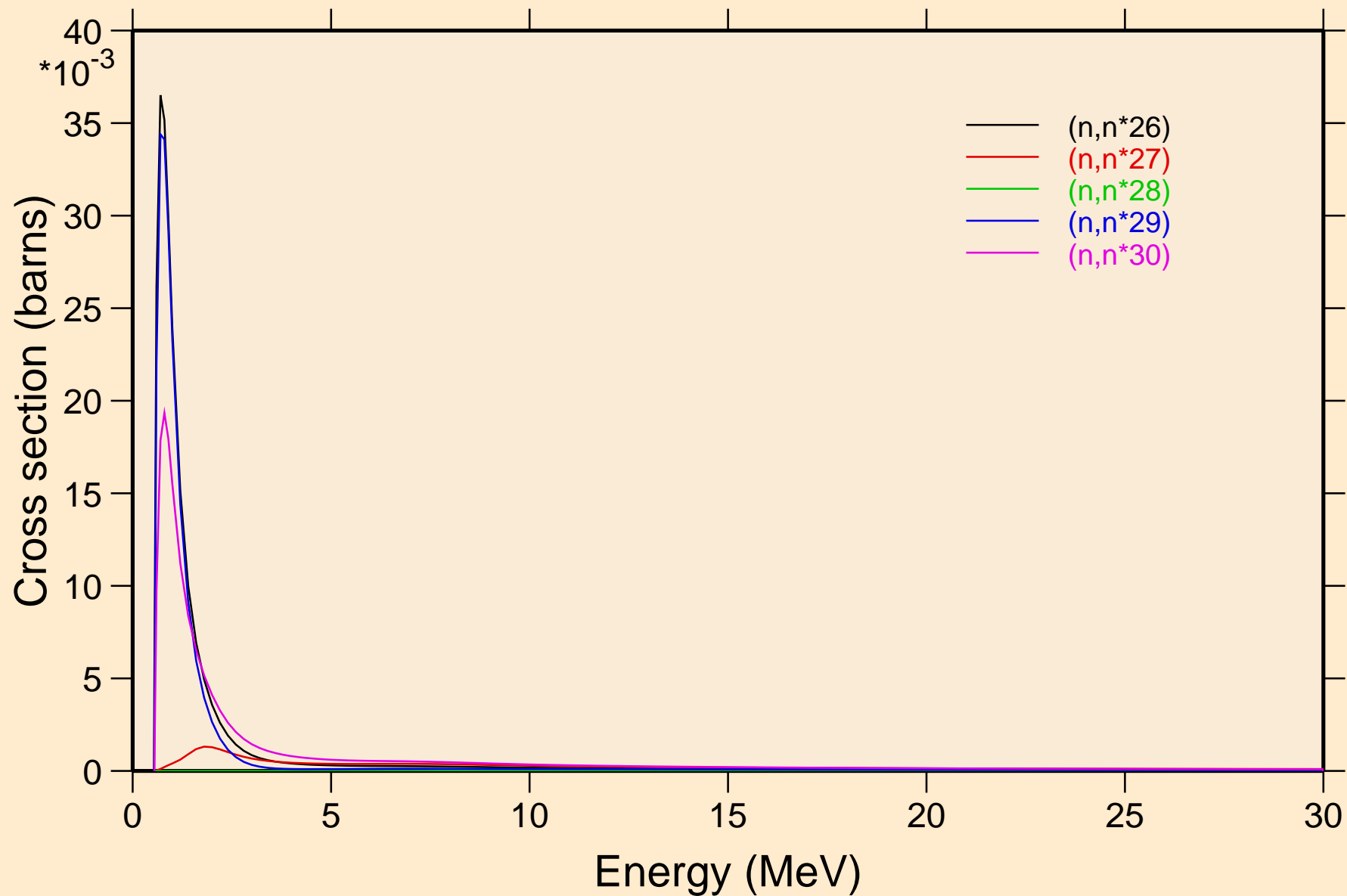
ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels

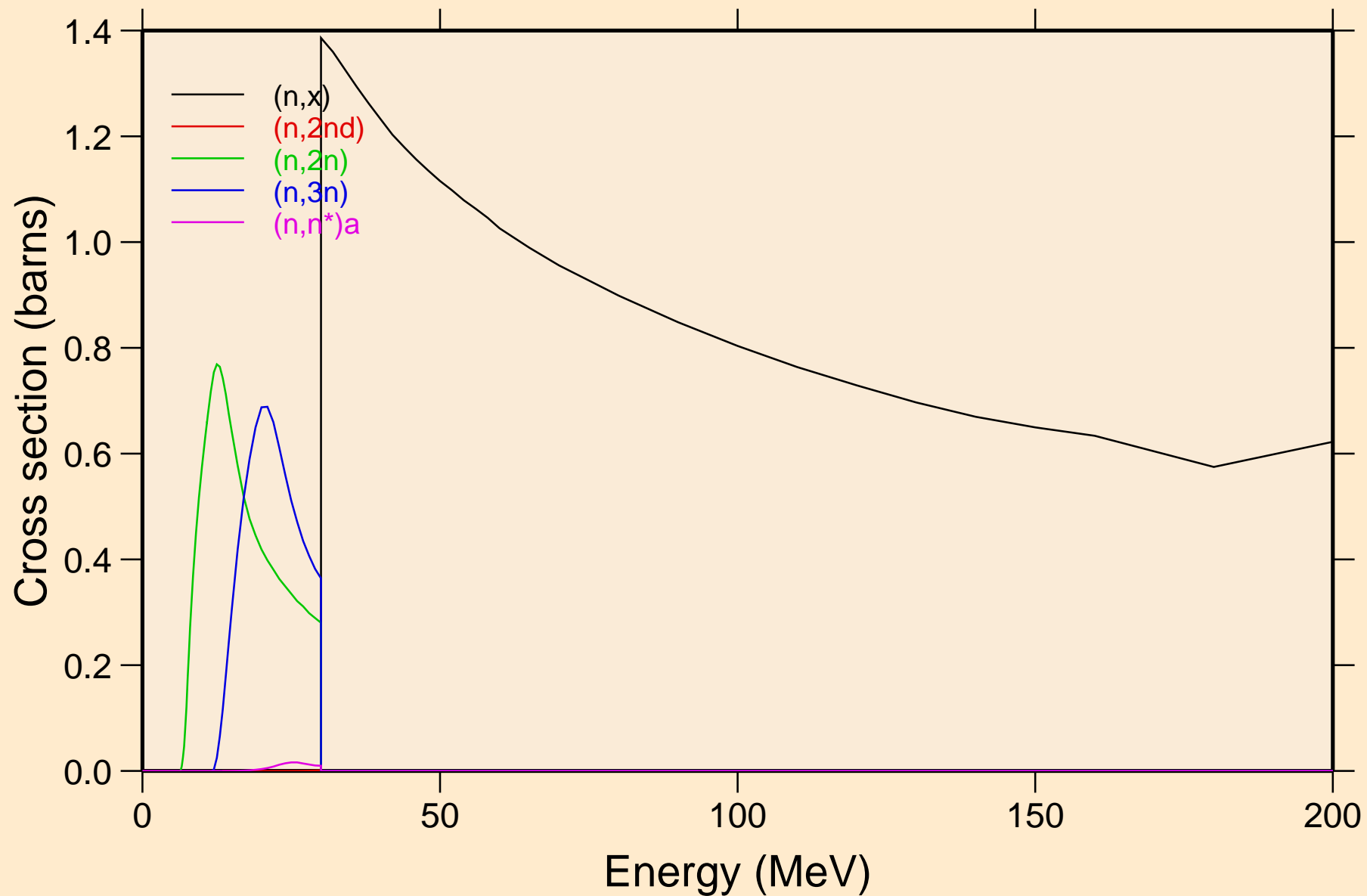


ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



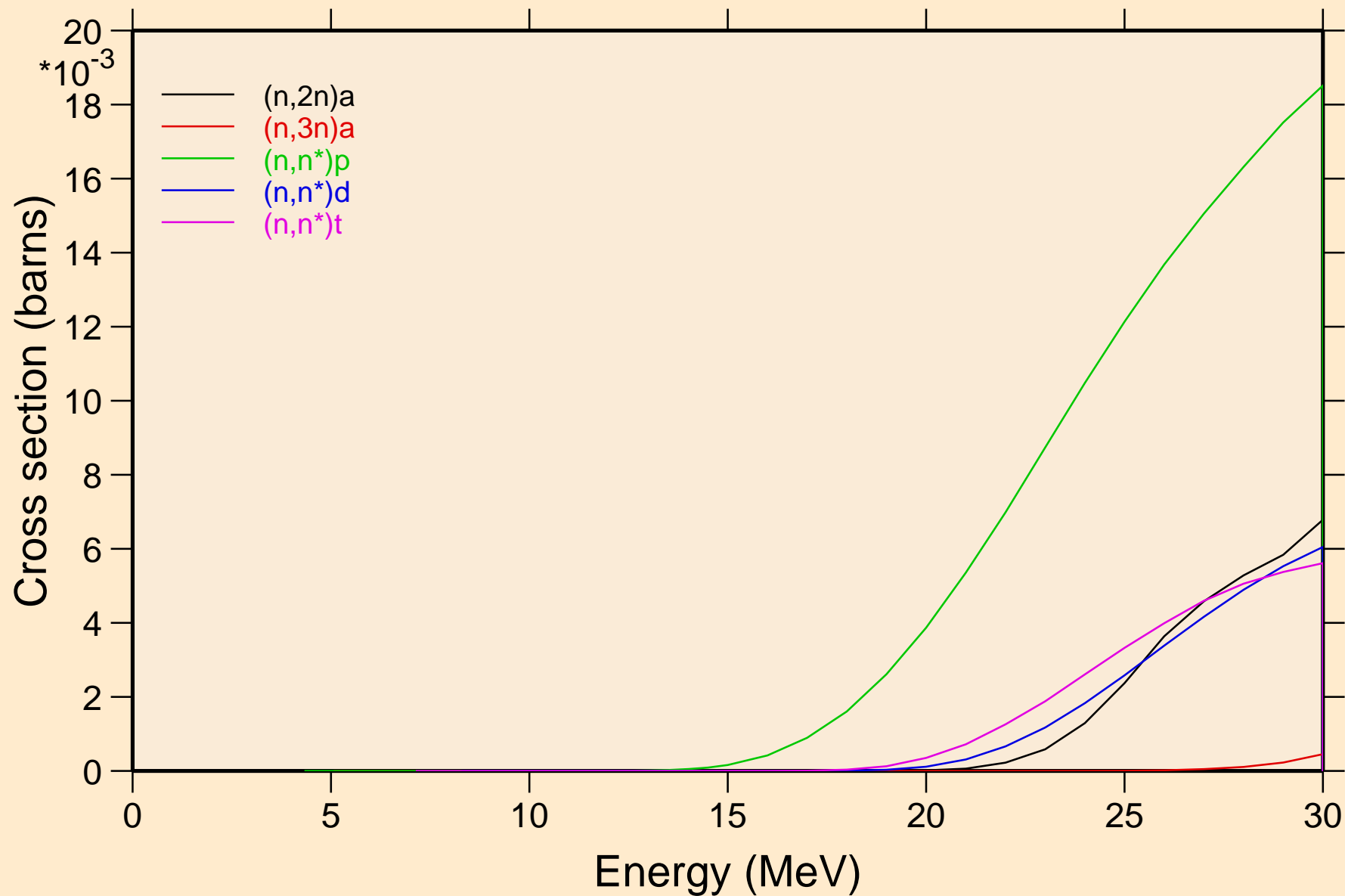
# ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Threshold reactions

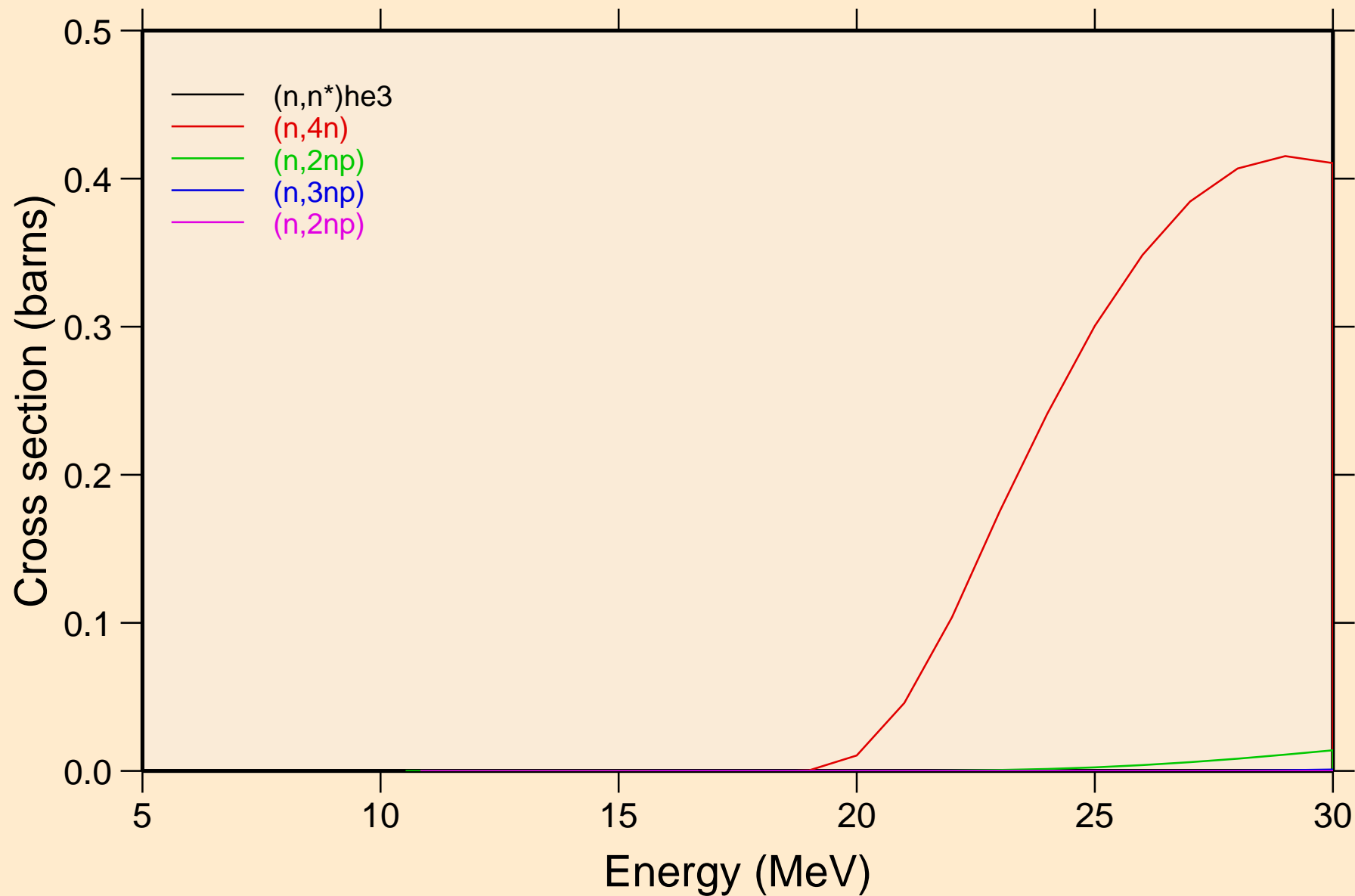


# ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

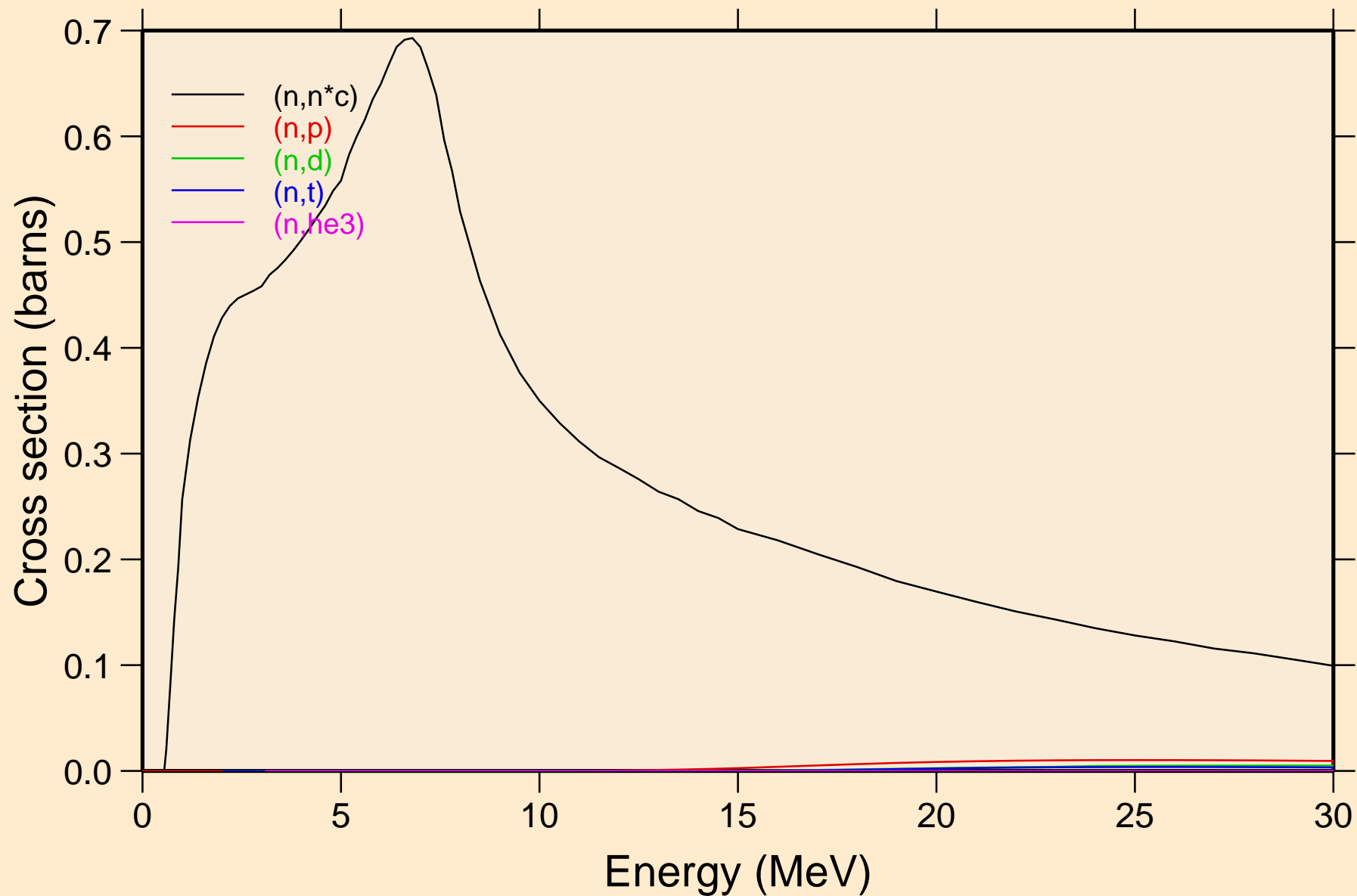
## Threshold reactions



ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

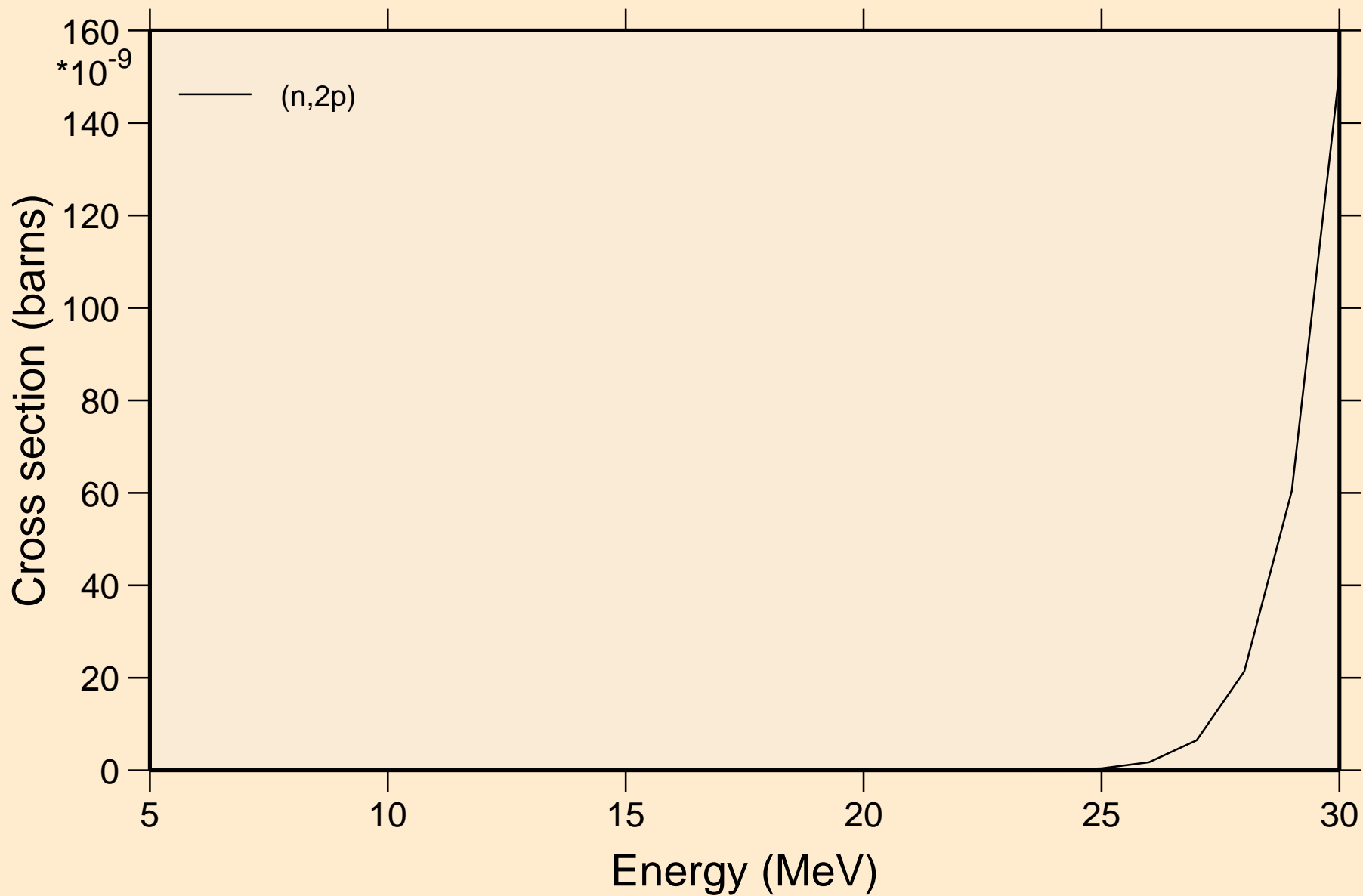


ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

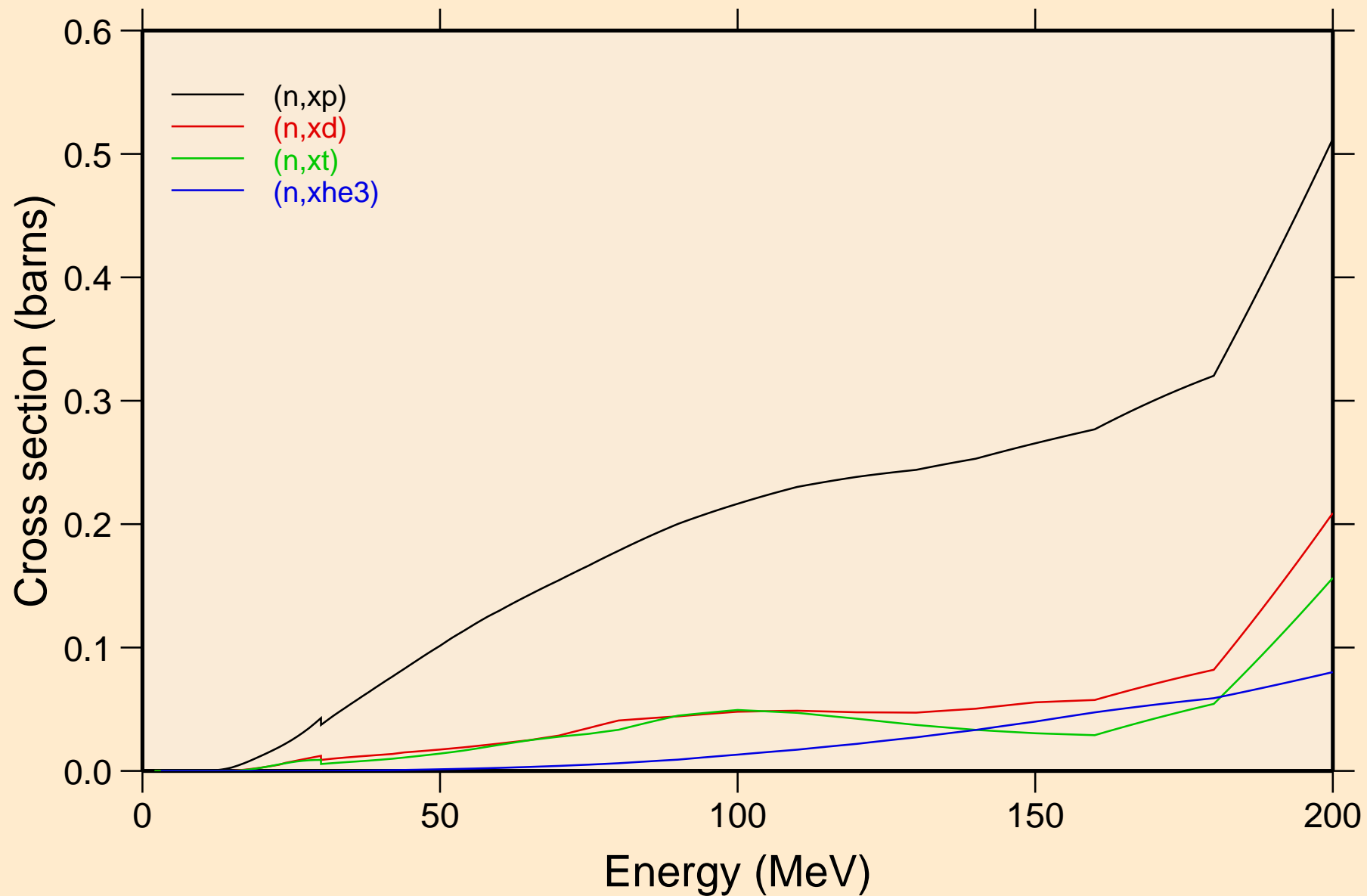




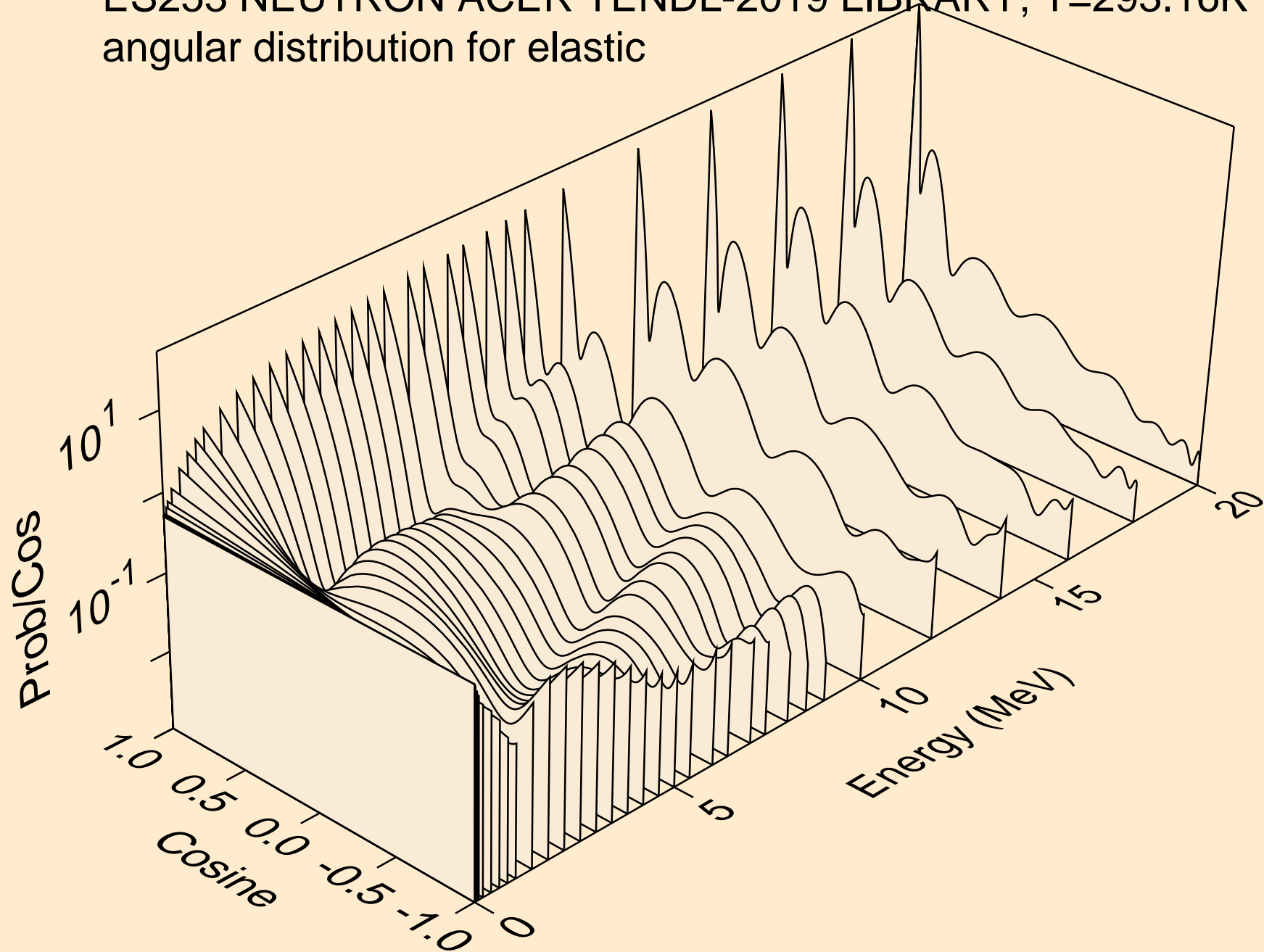
ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



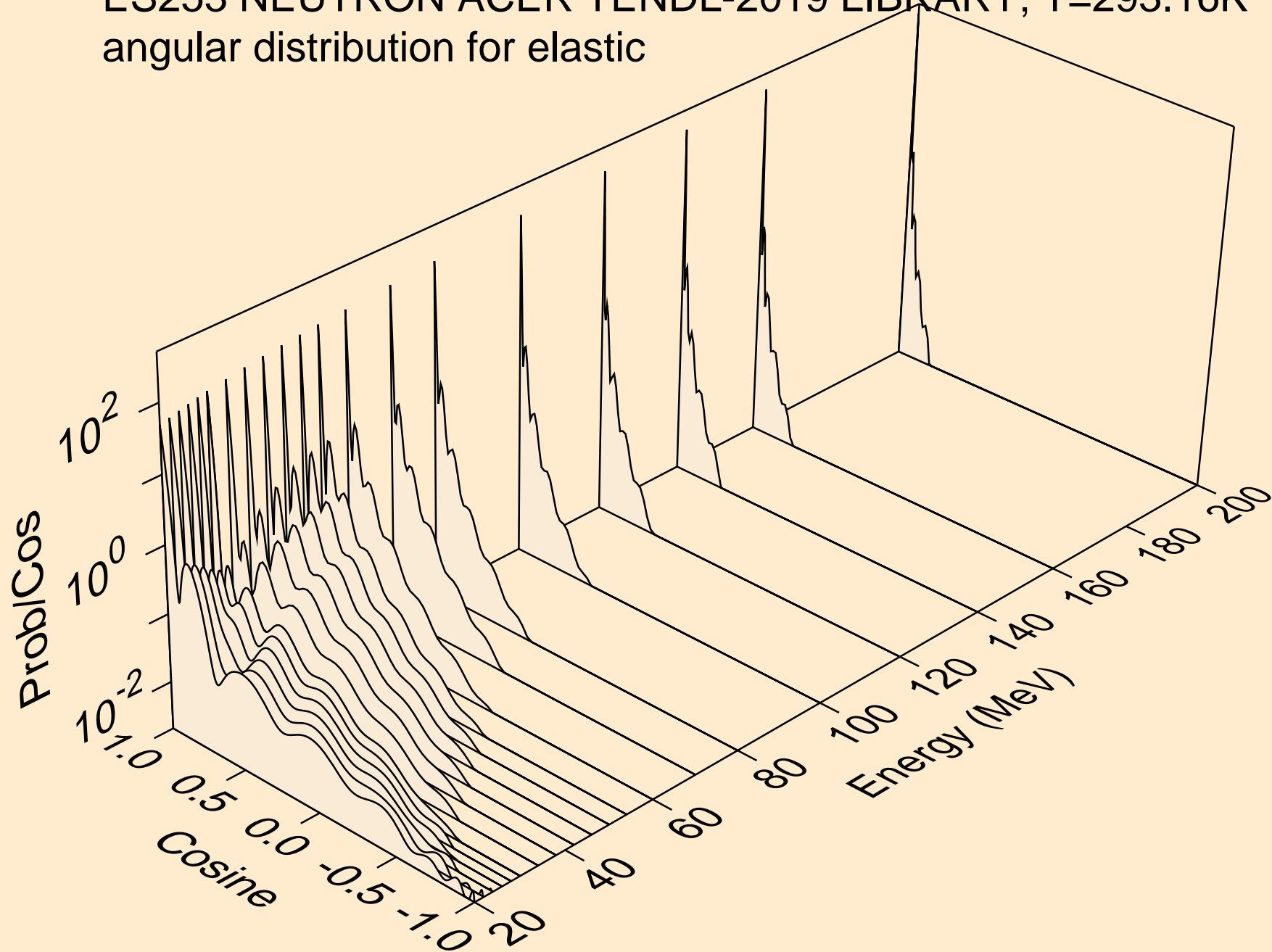
ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



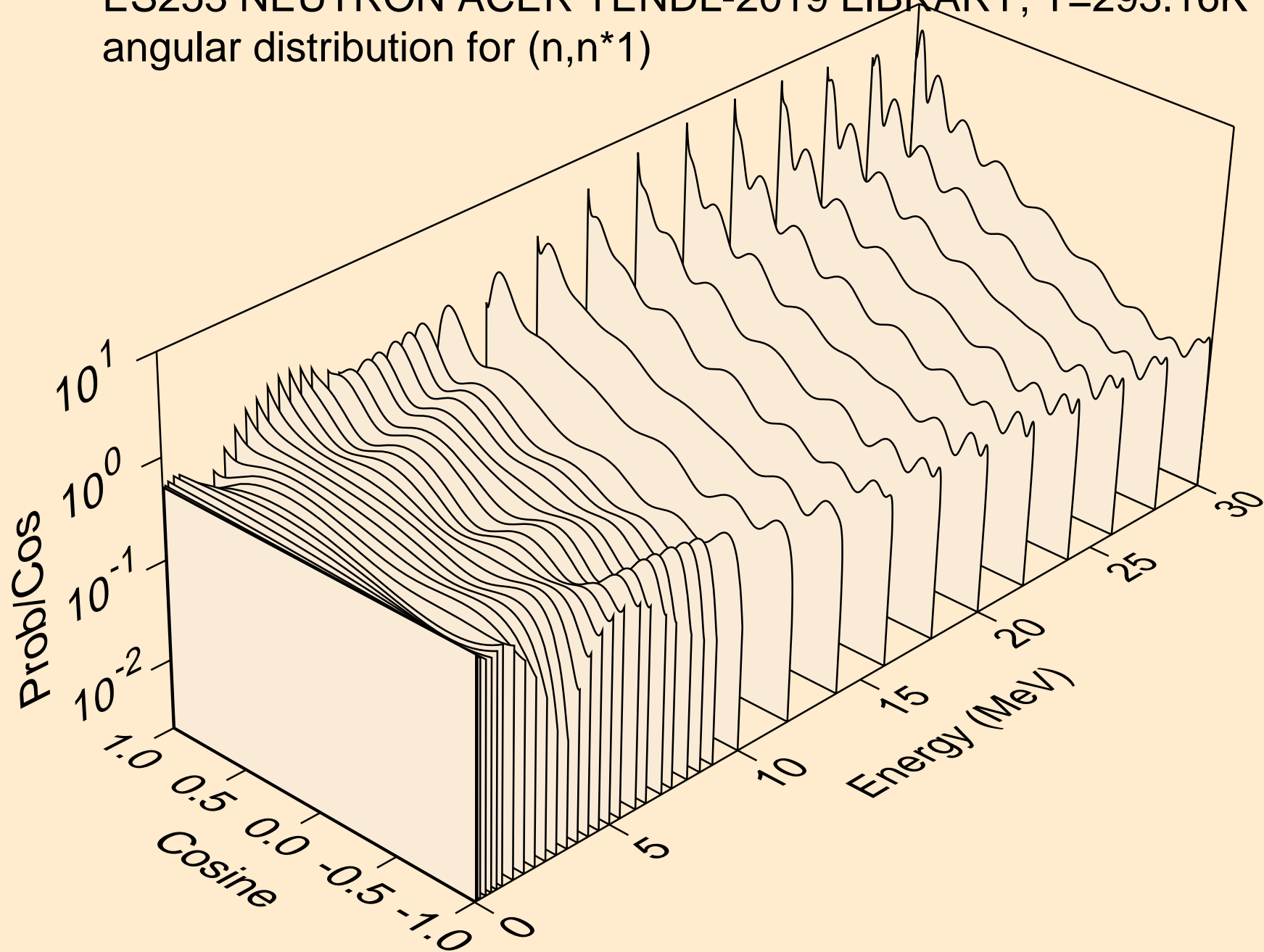
ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic



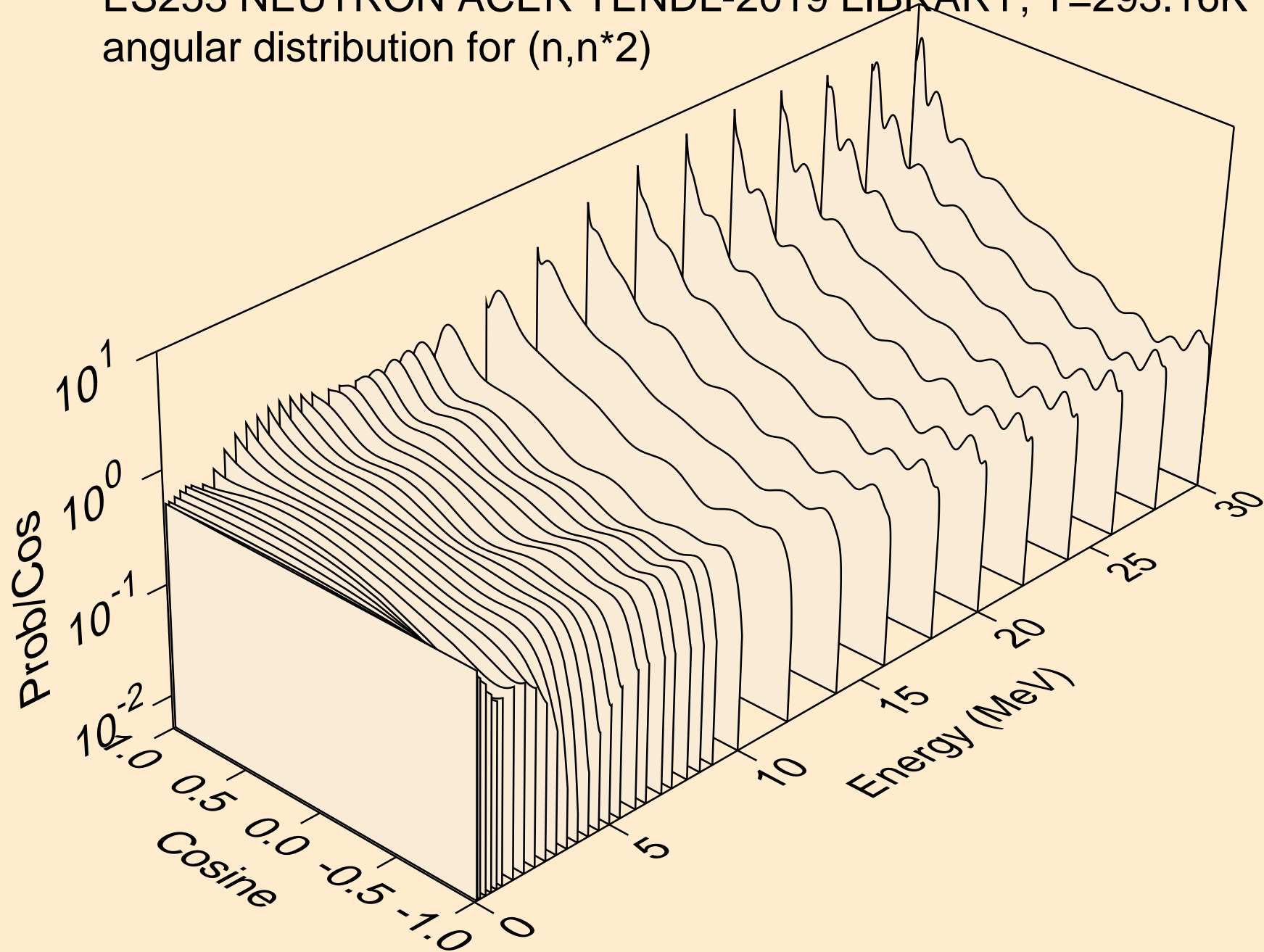
ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic



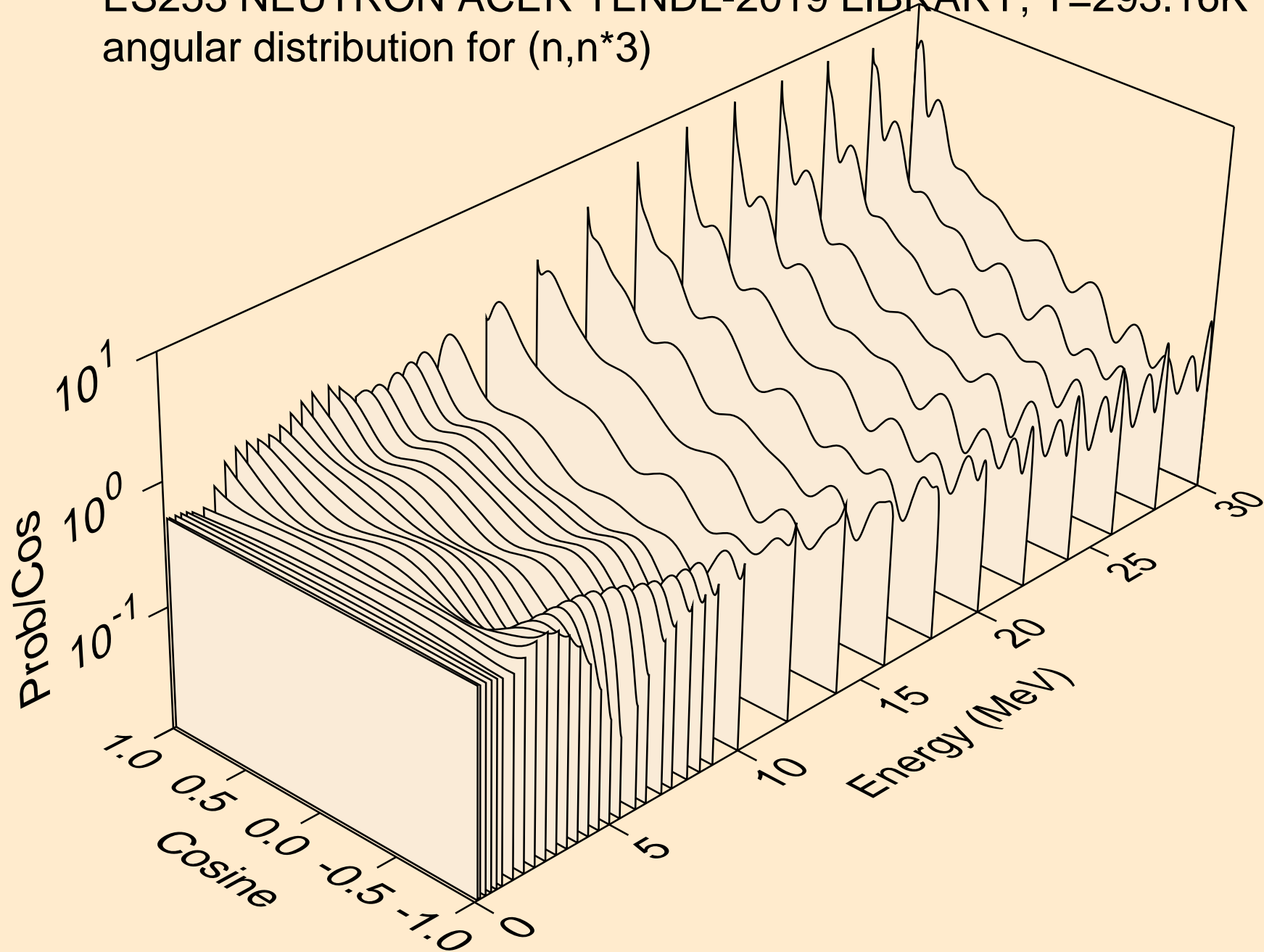
ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*1)



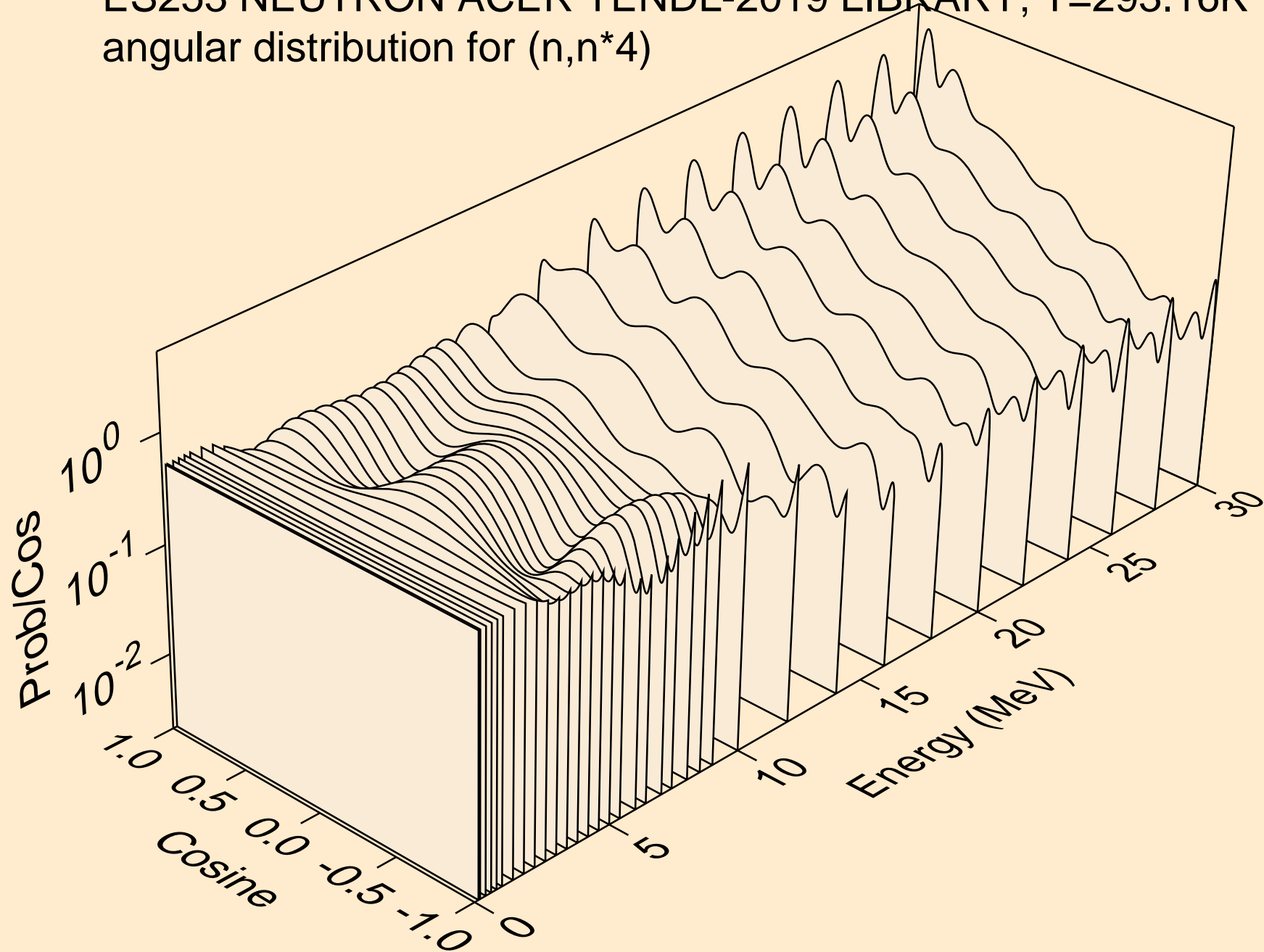
ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*2)



ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*3)

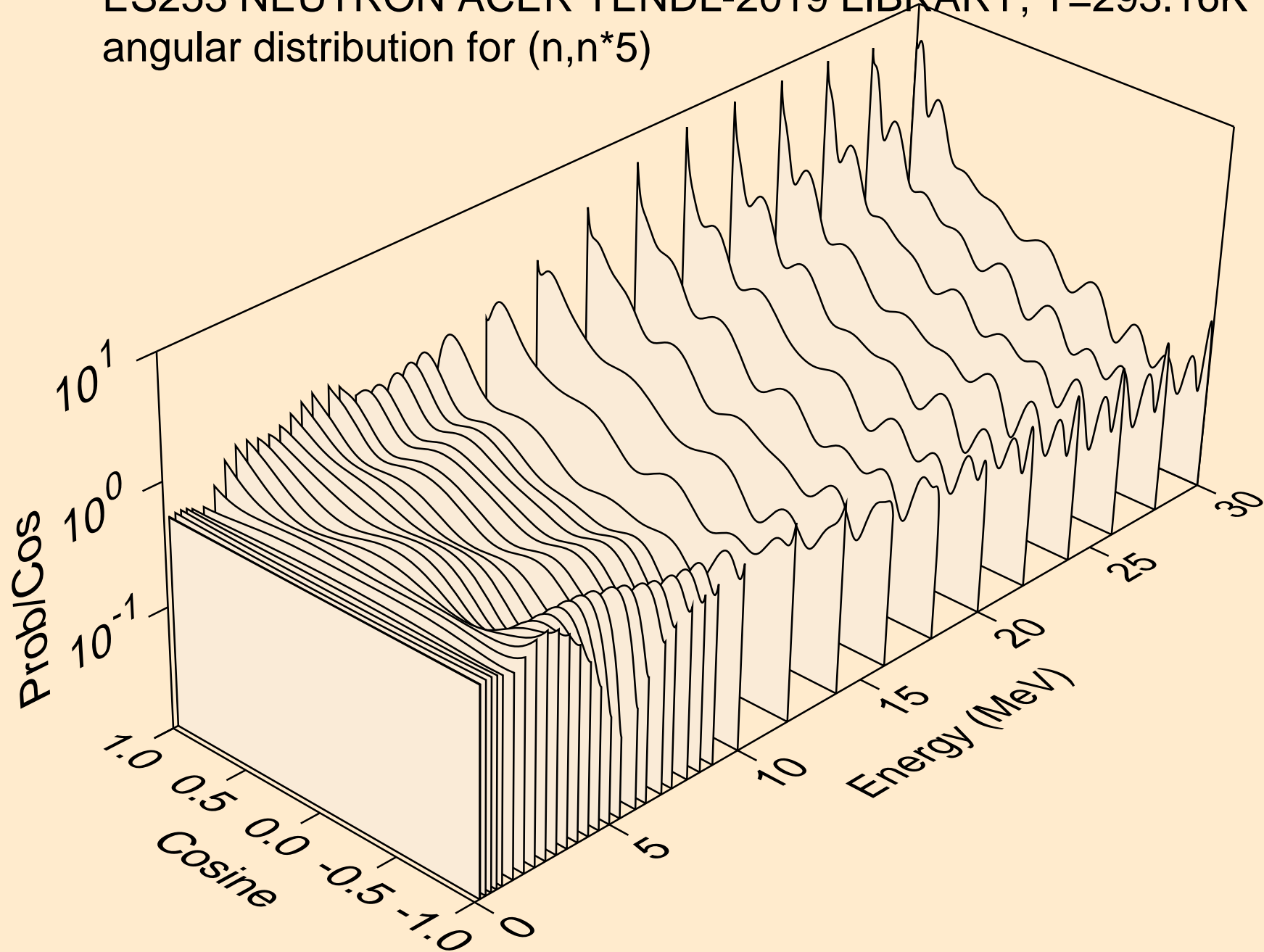


ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*4)

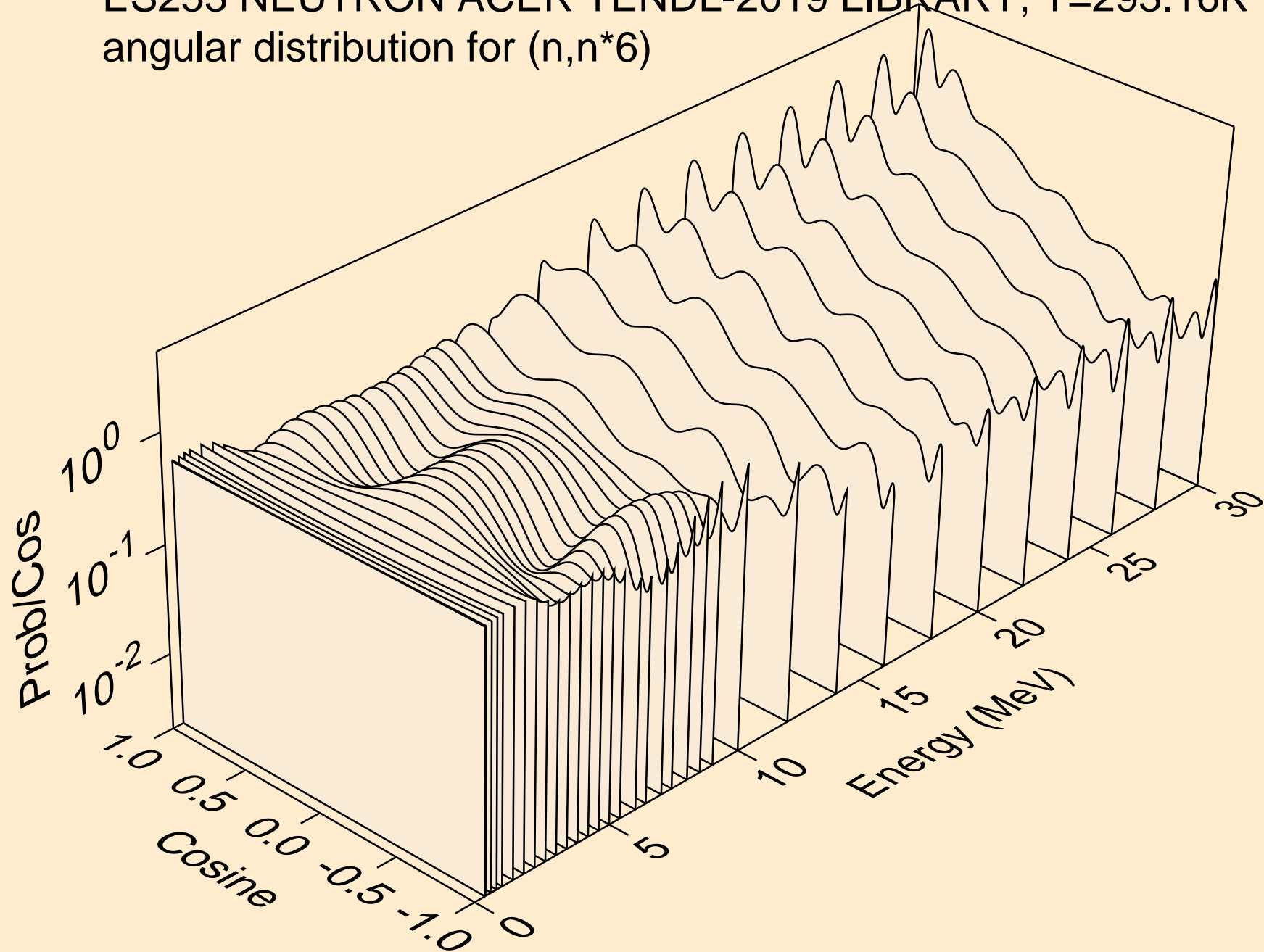




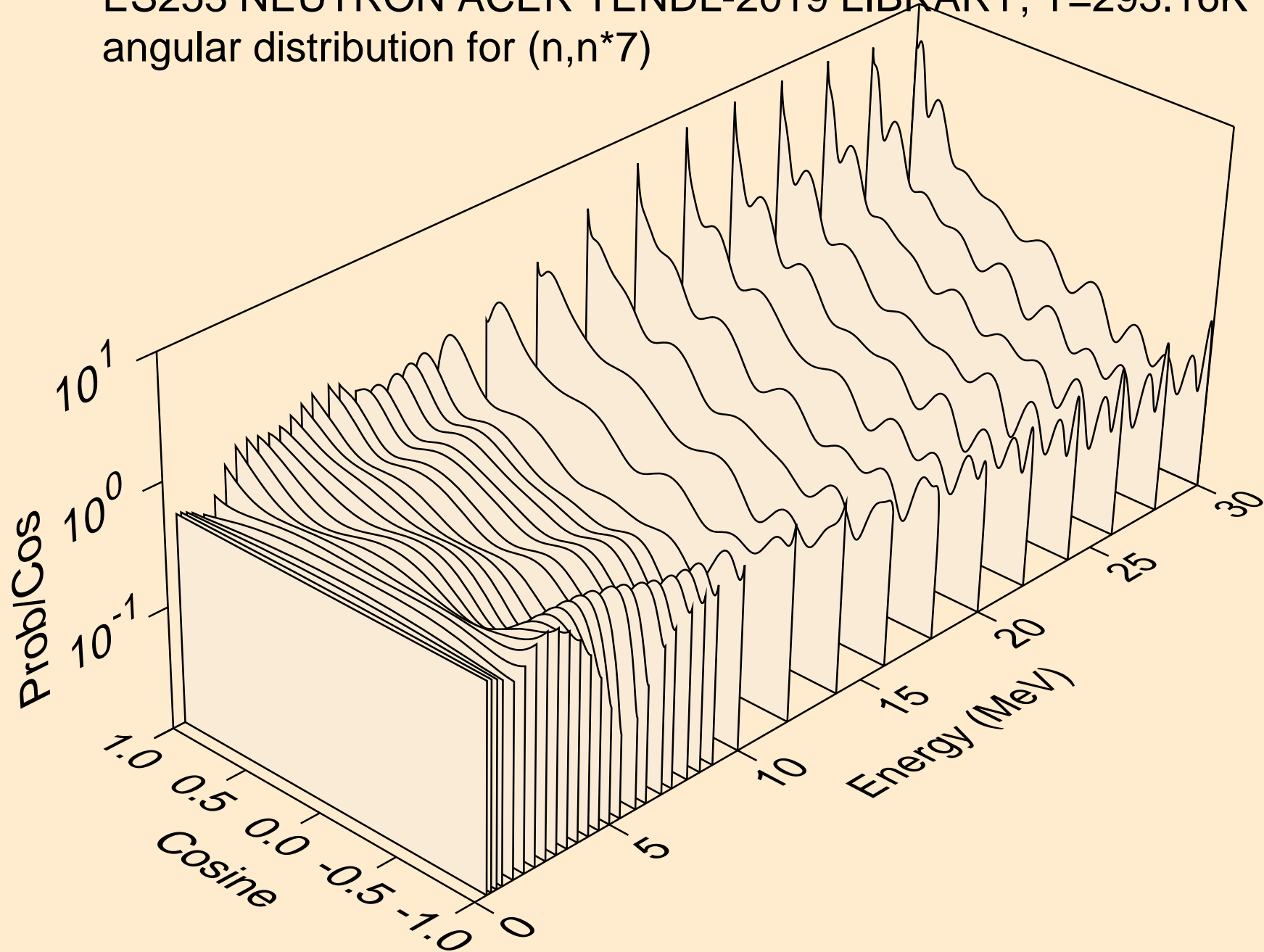
ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*5)



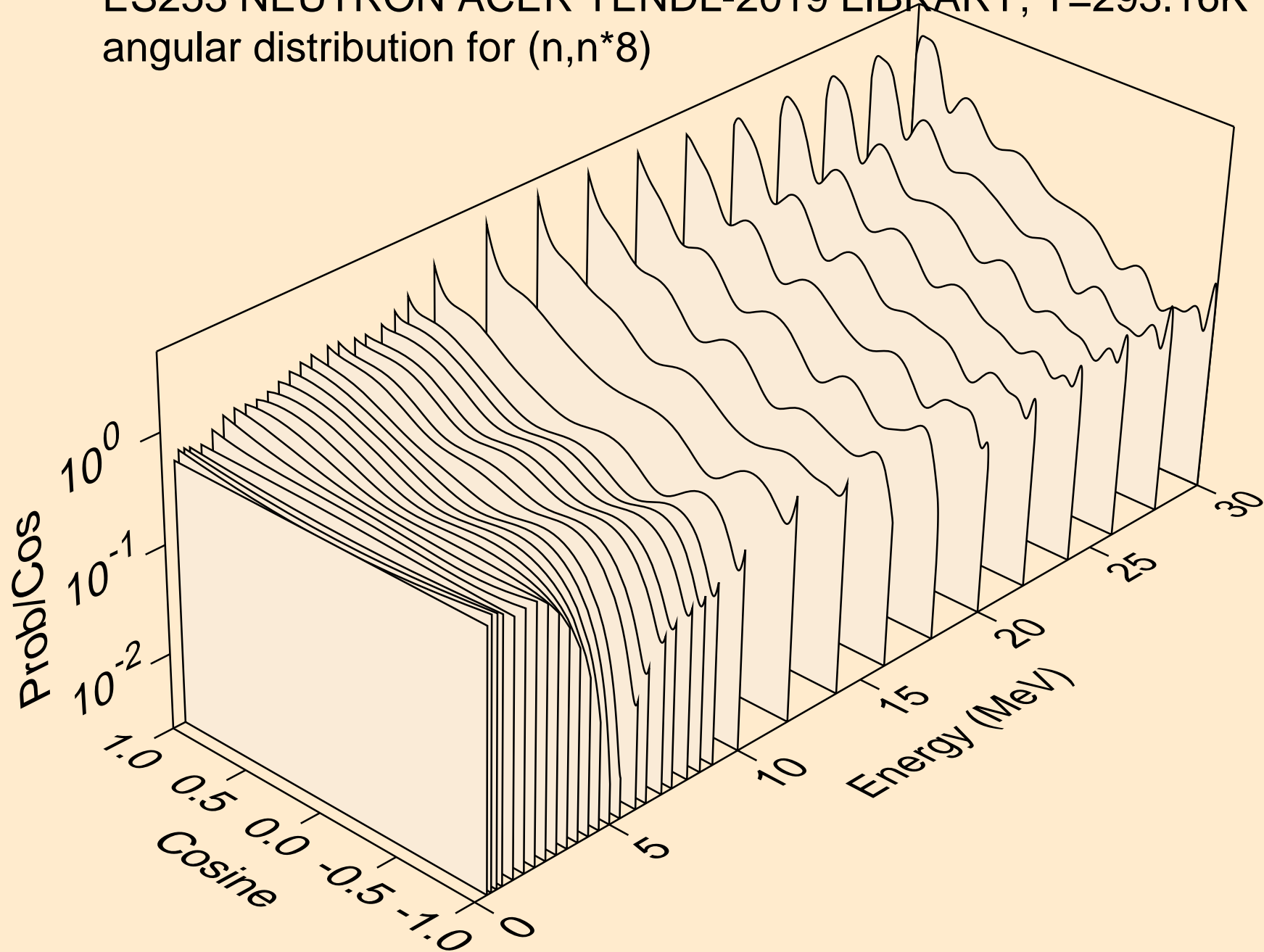
ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*6)



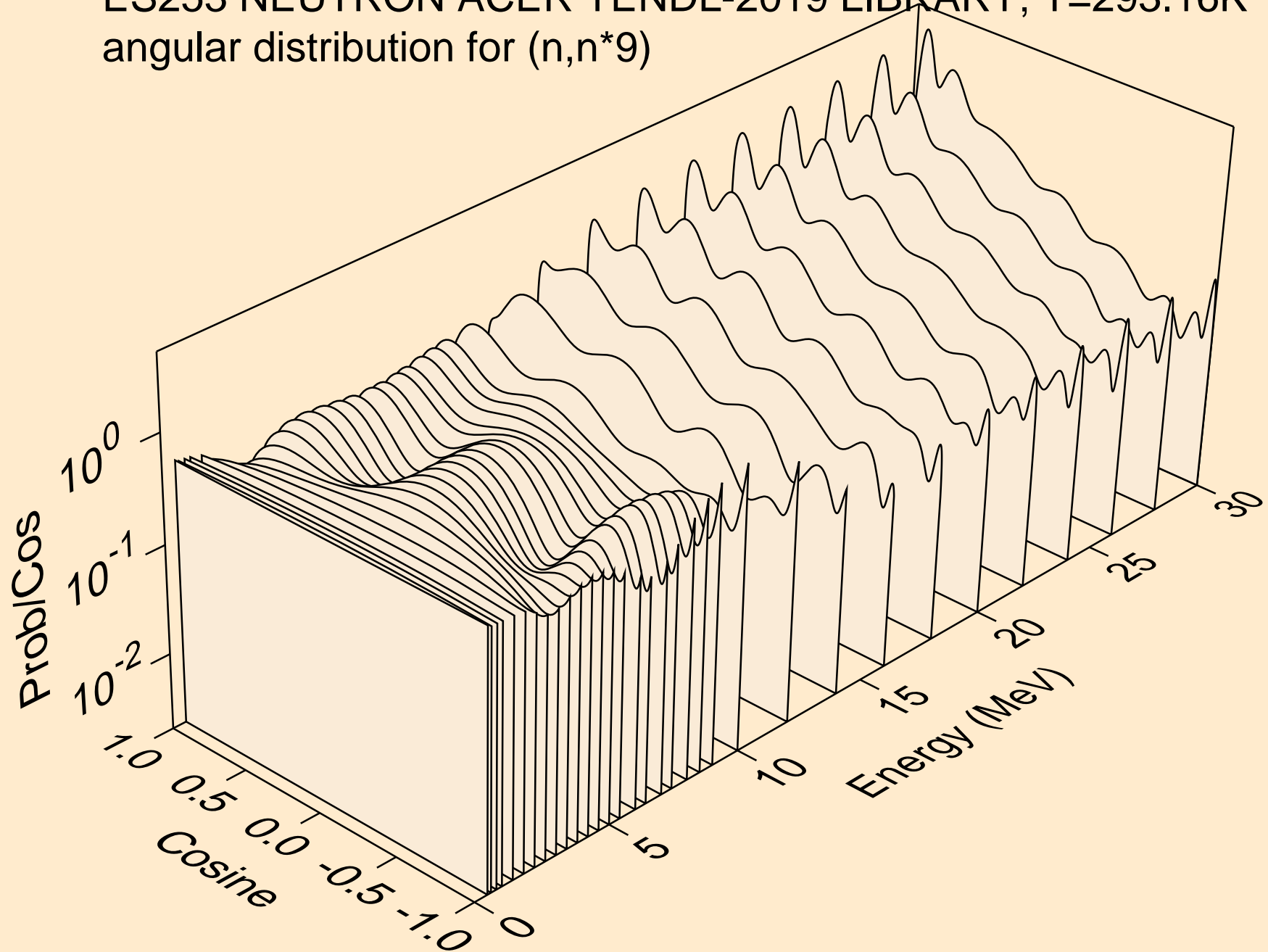
ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*7)



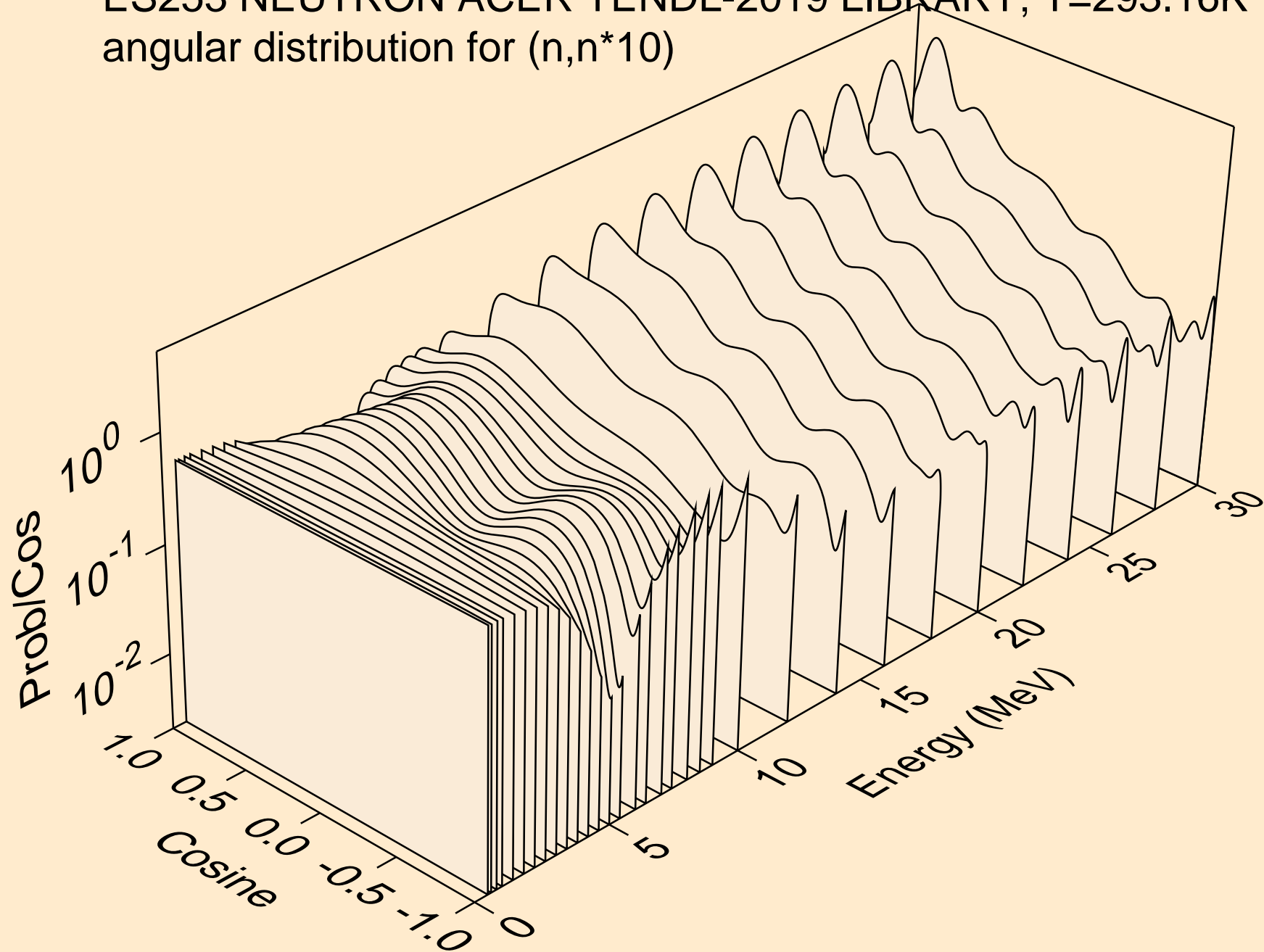
ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*8)



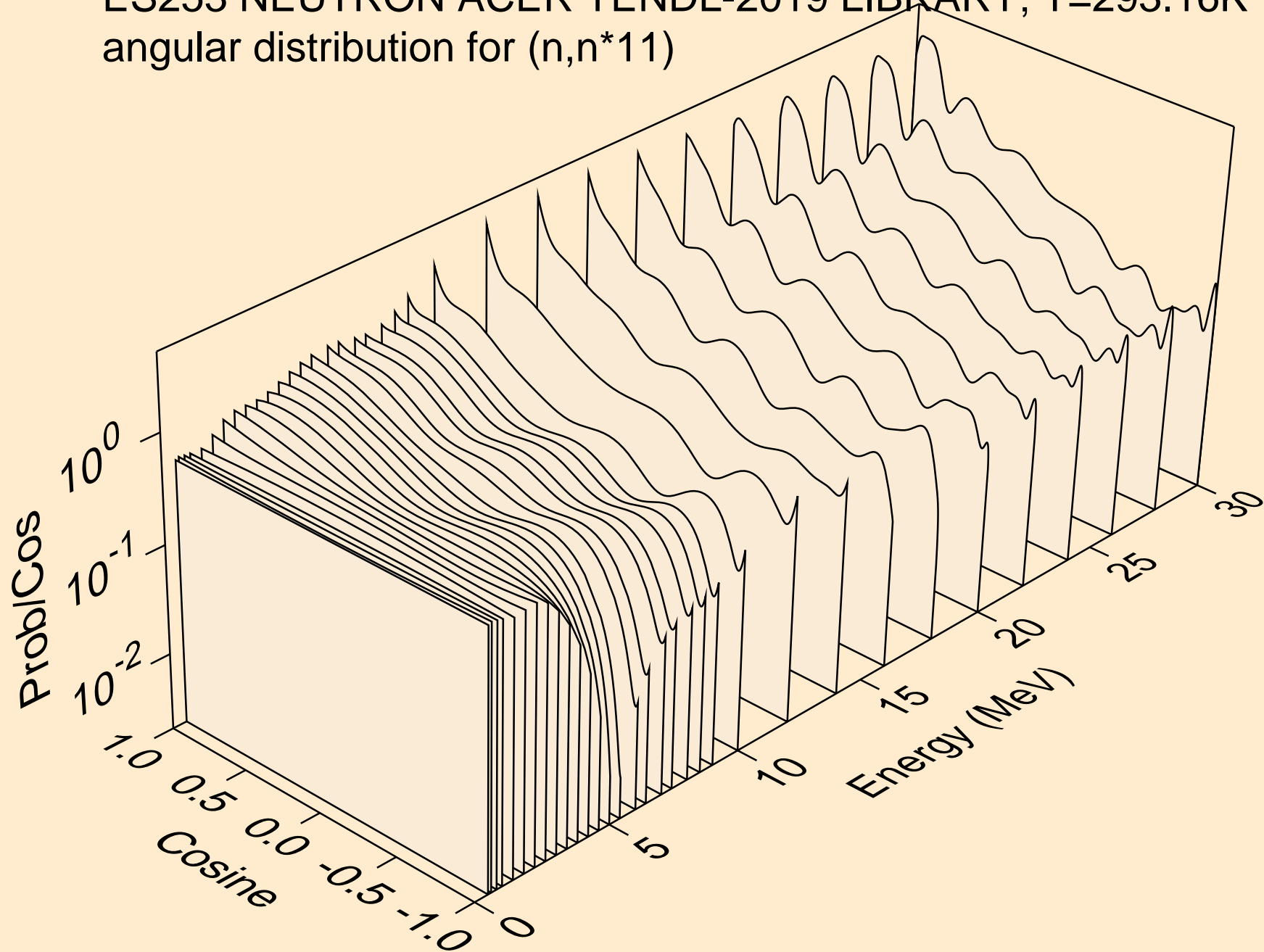
ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*9)



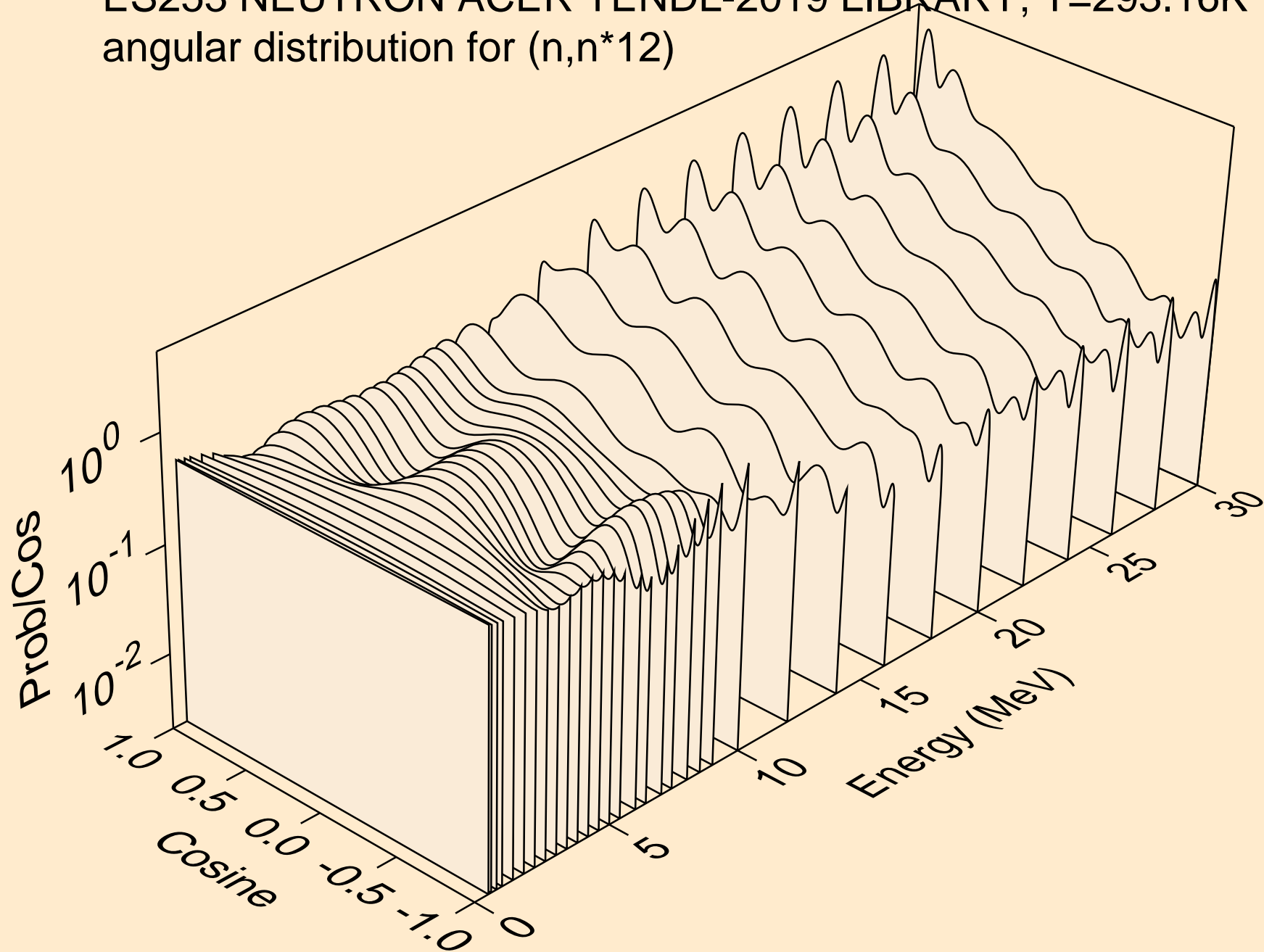
ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*10)



ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*11)

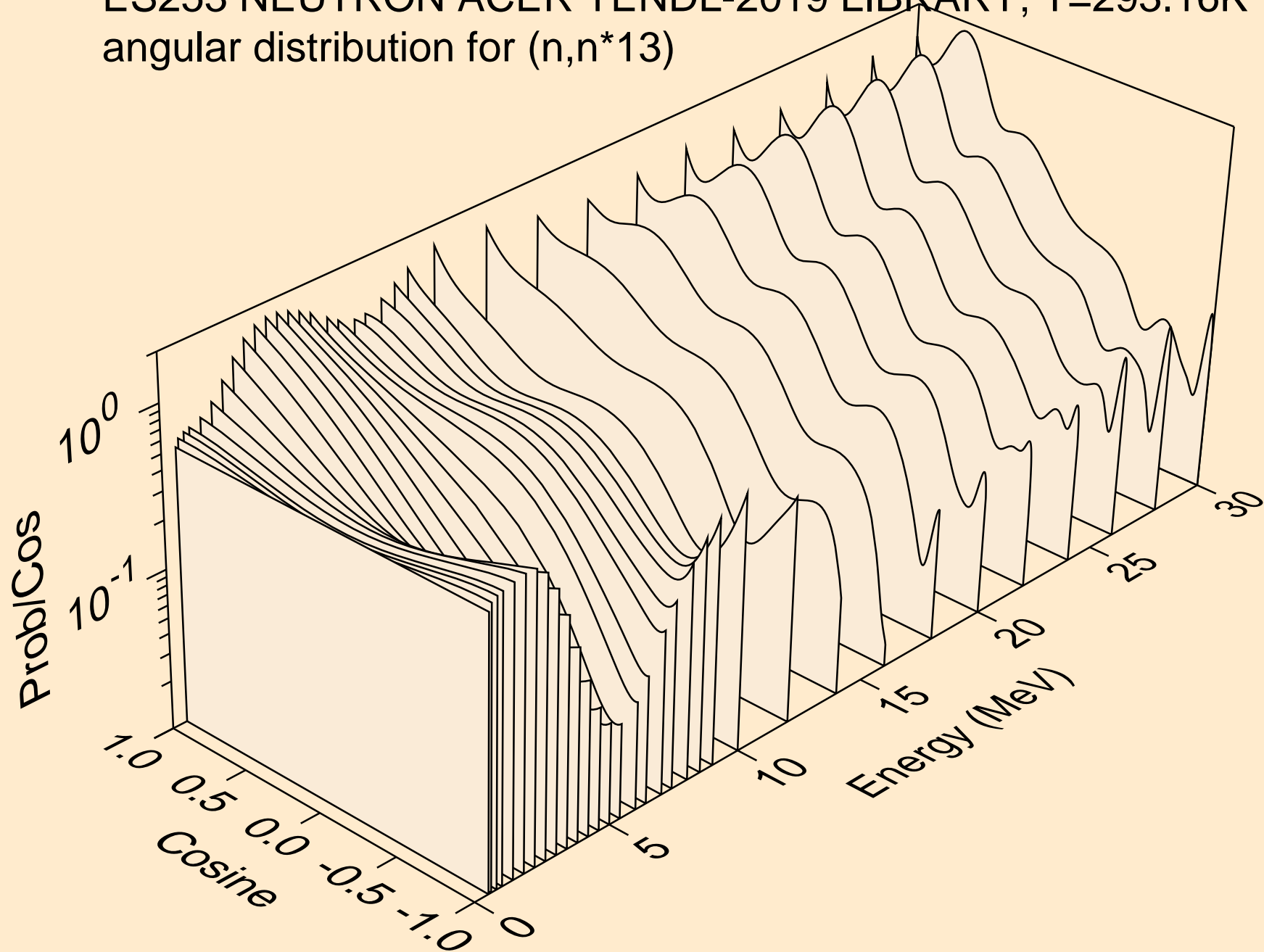


ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*12)

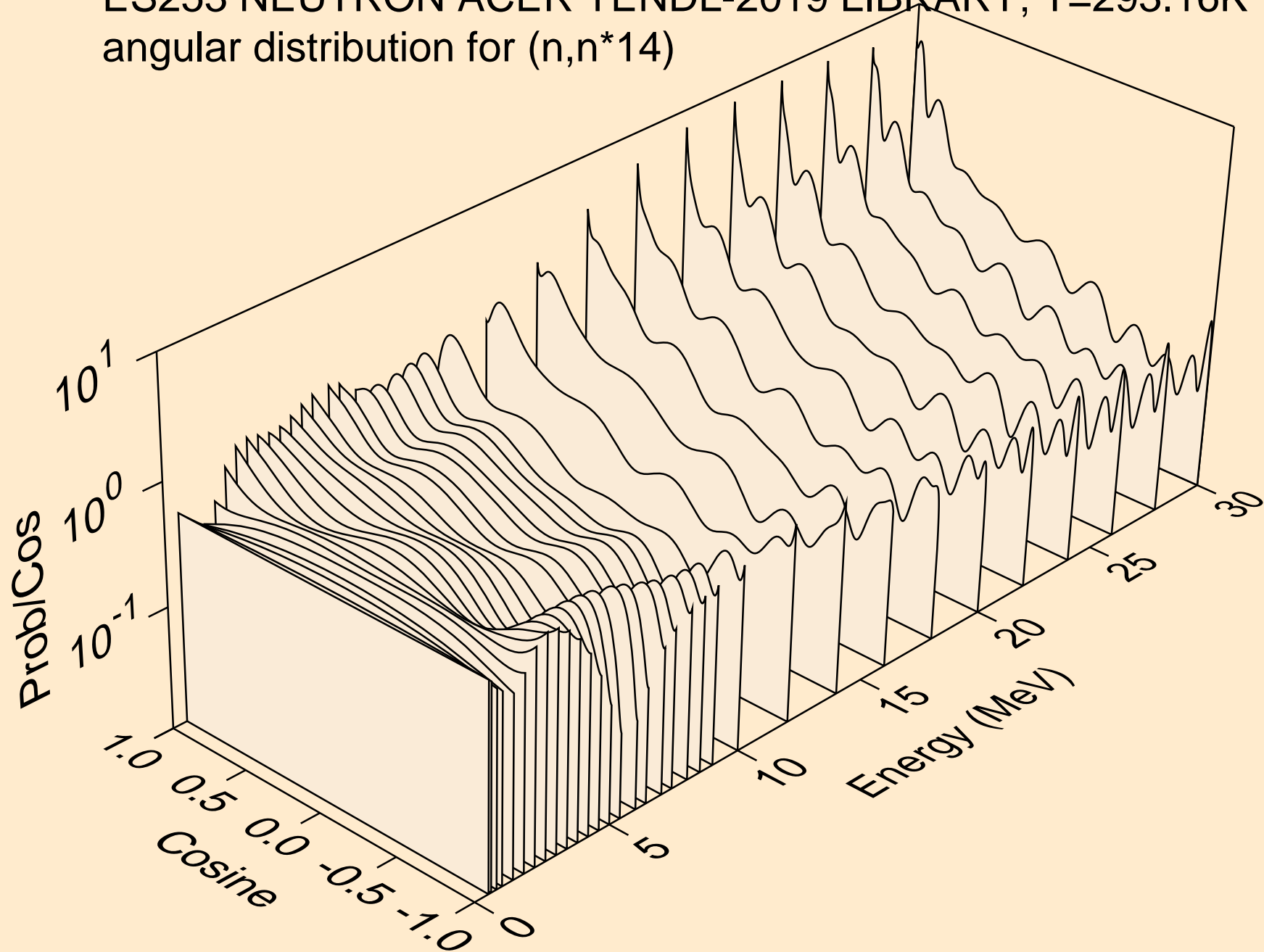




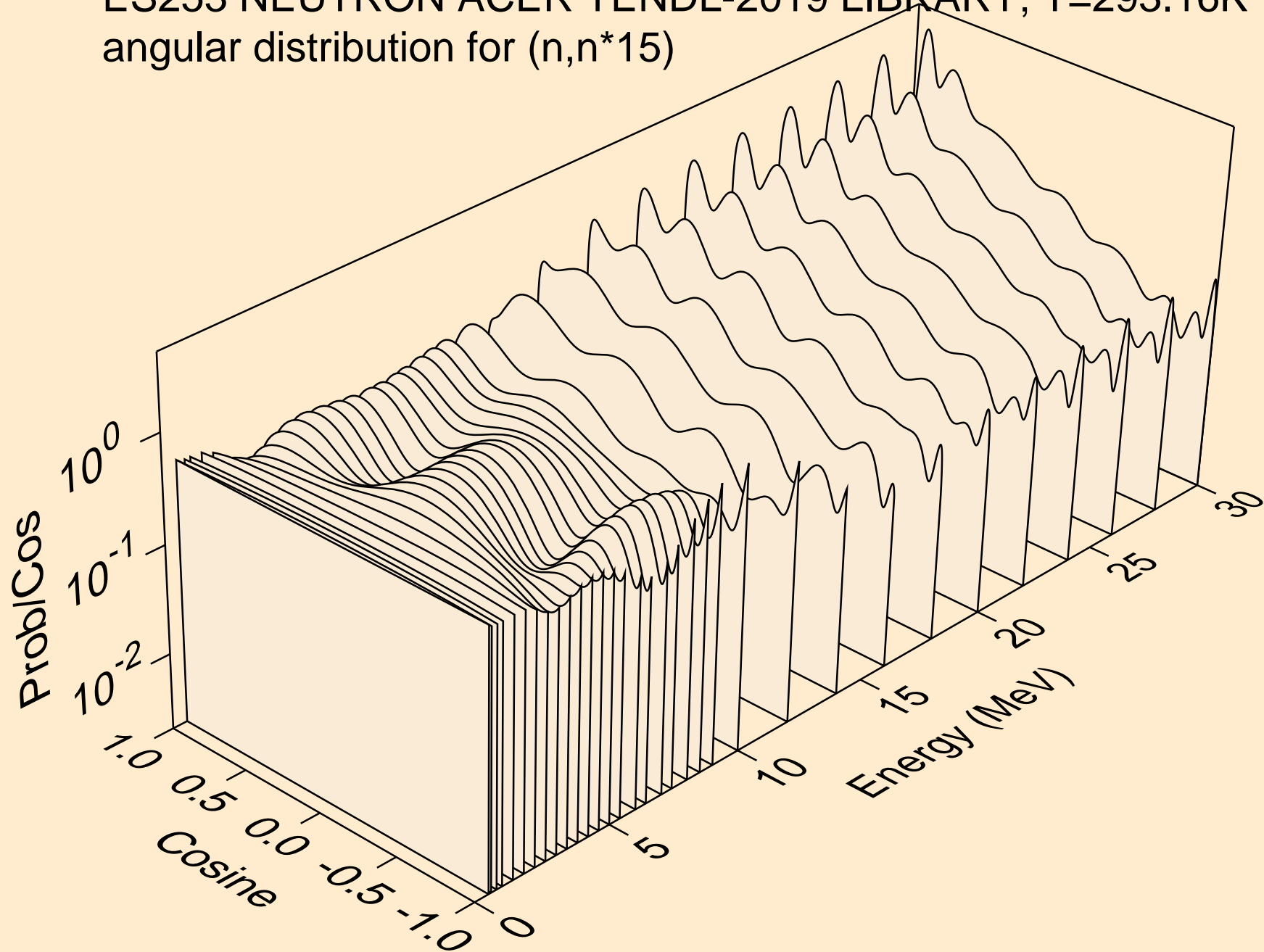
ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*13)



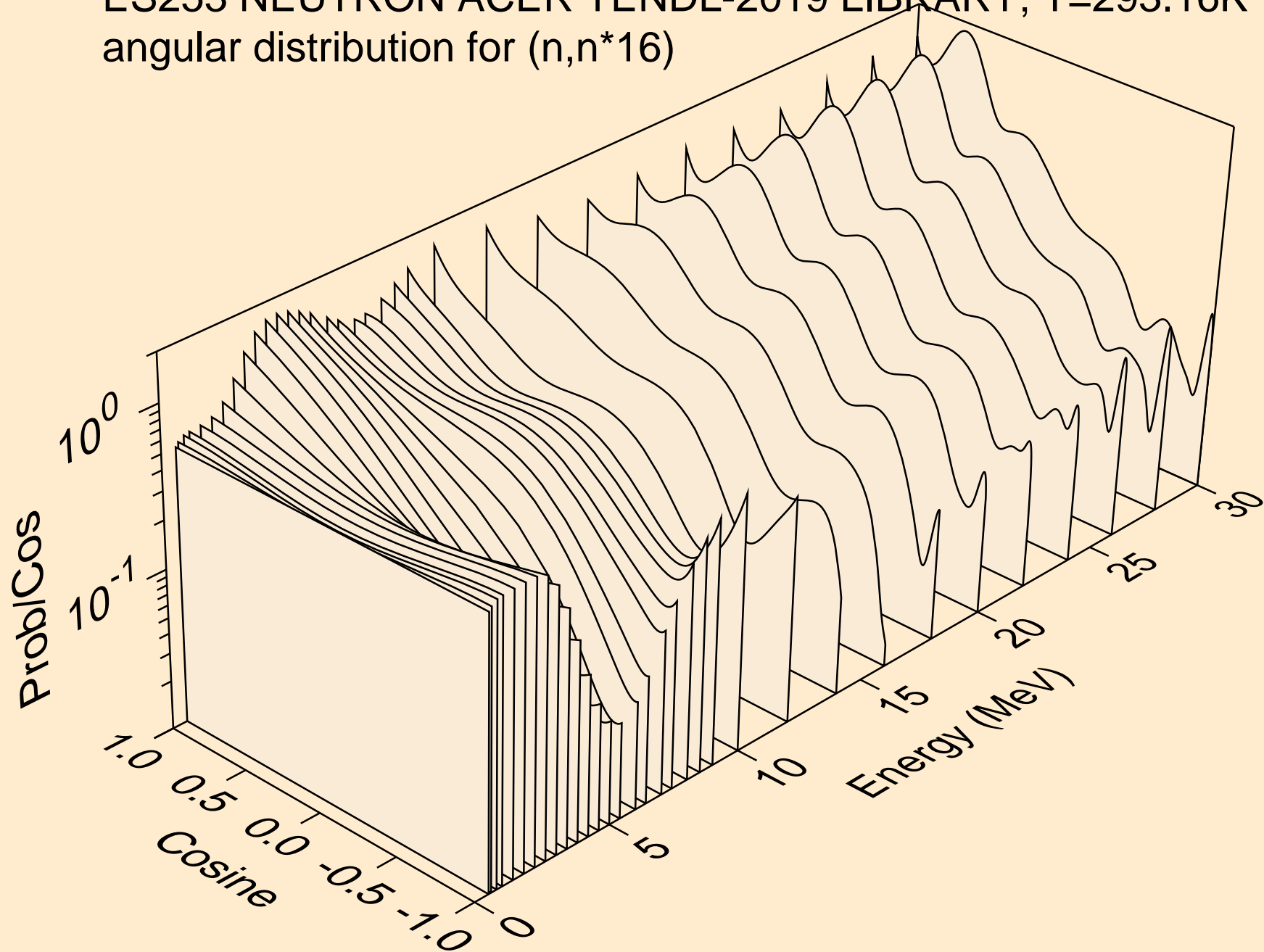
ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*14)



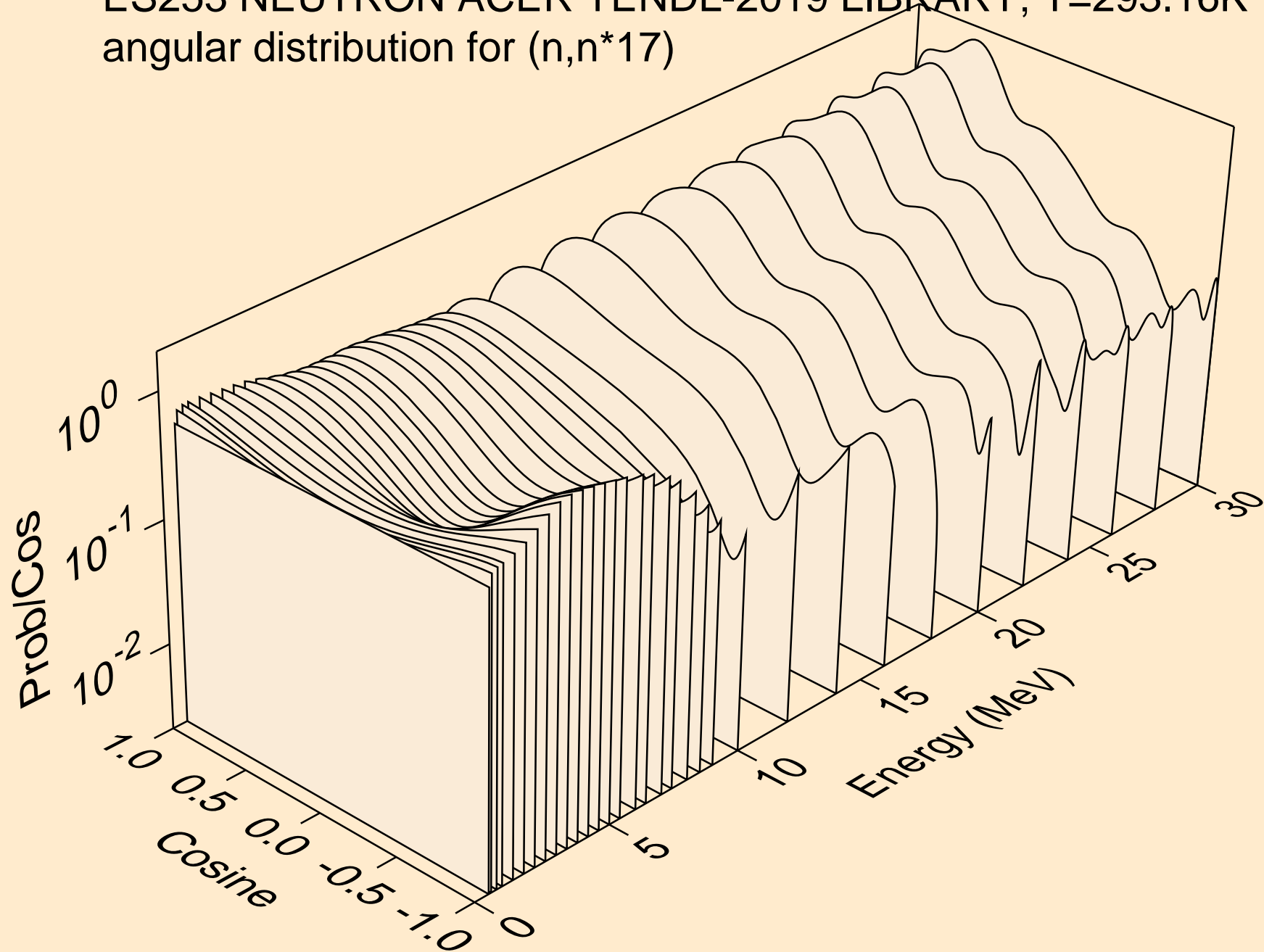
ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*15)



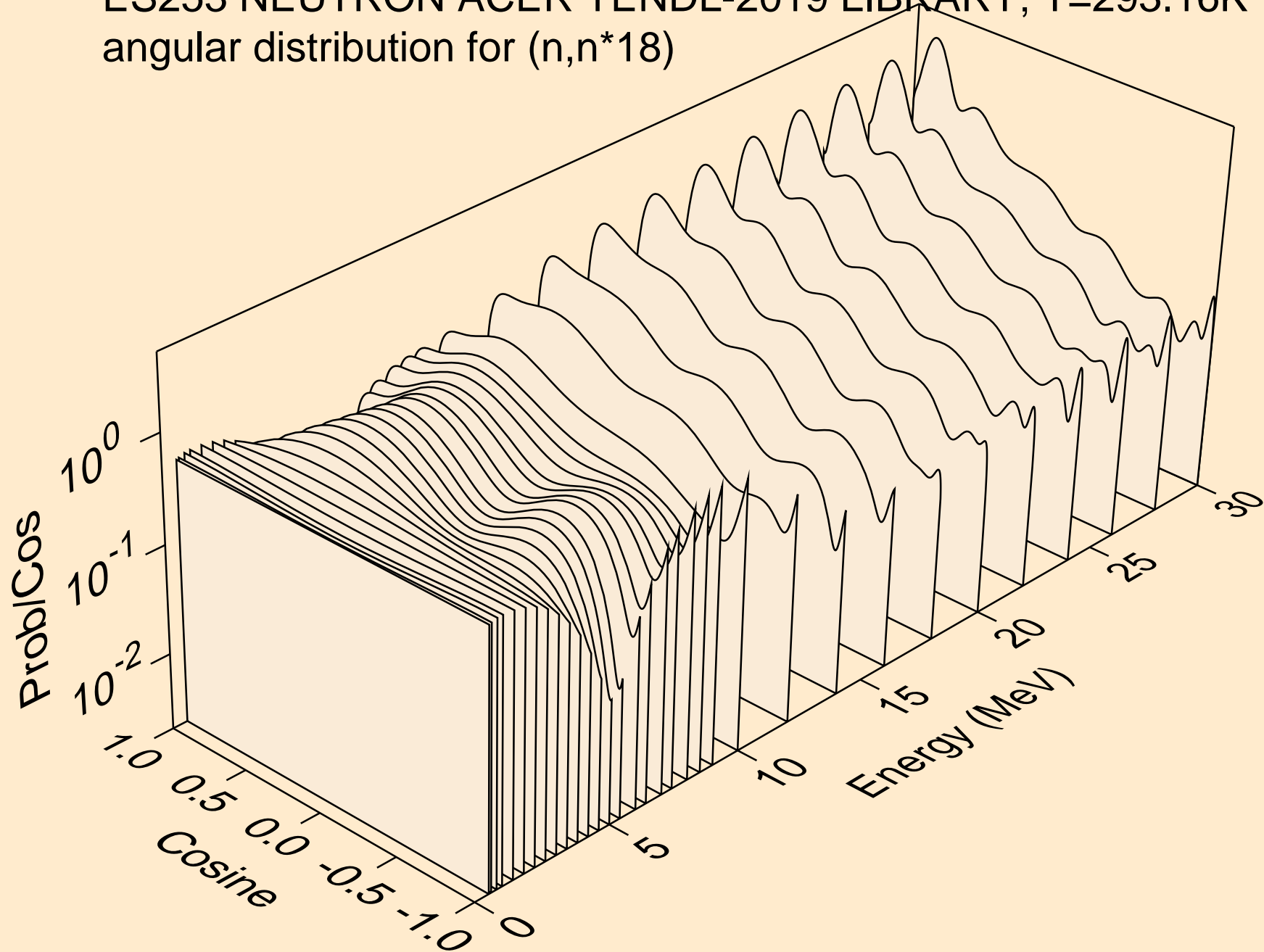
ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*16)



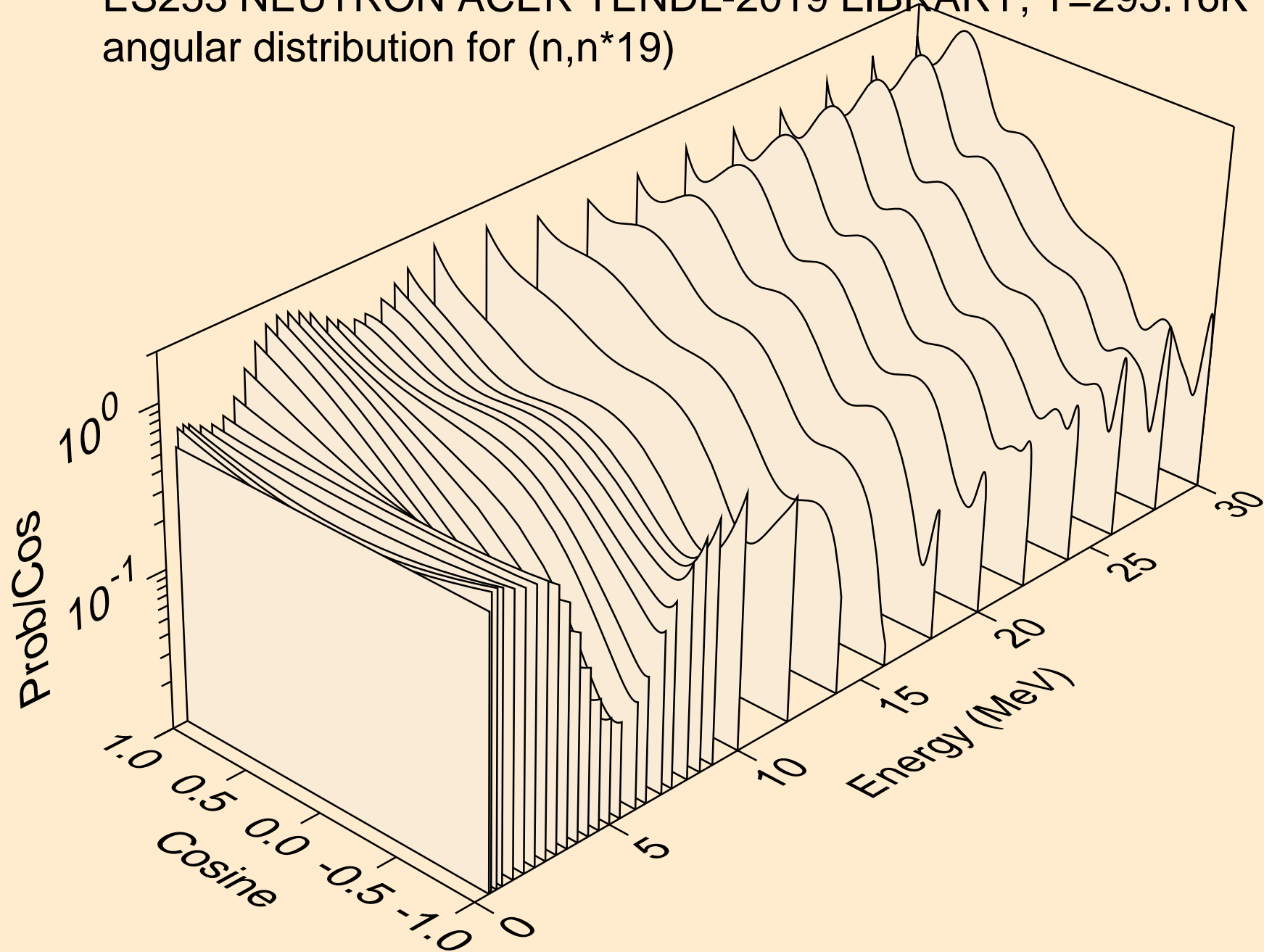
ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*17)



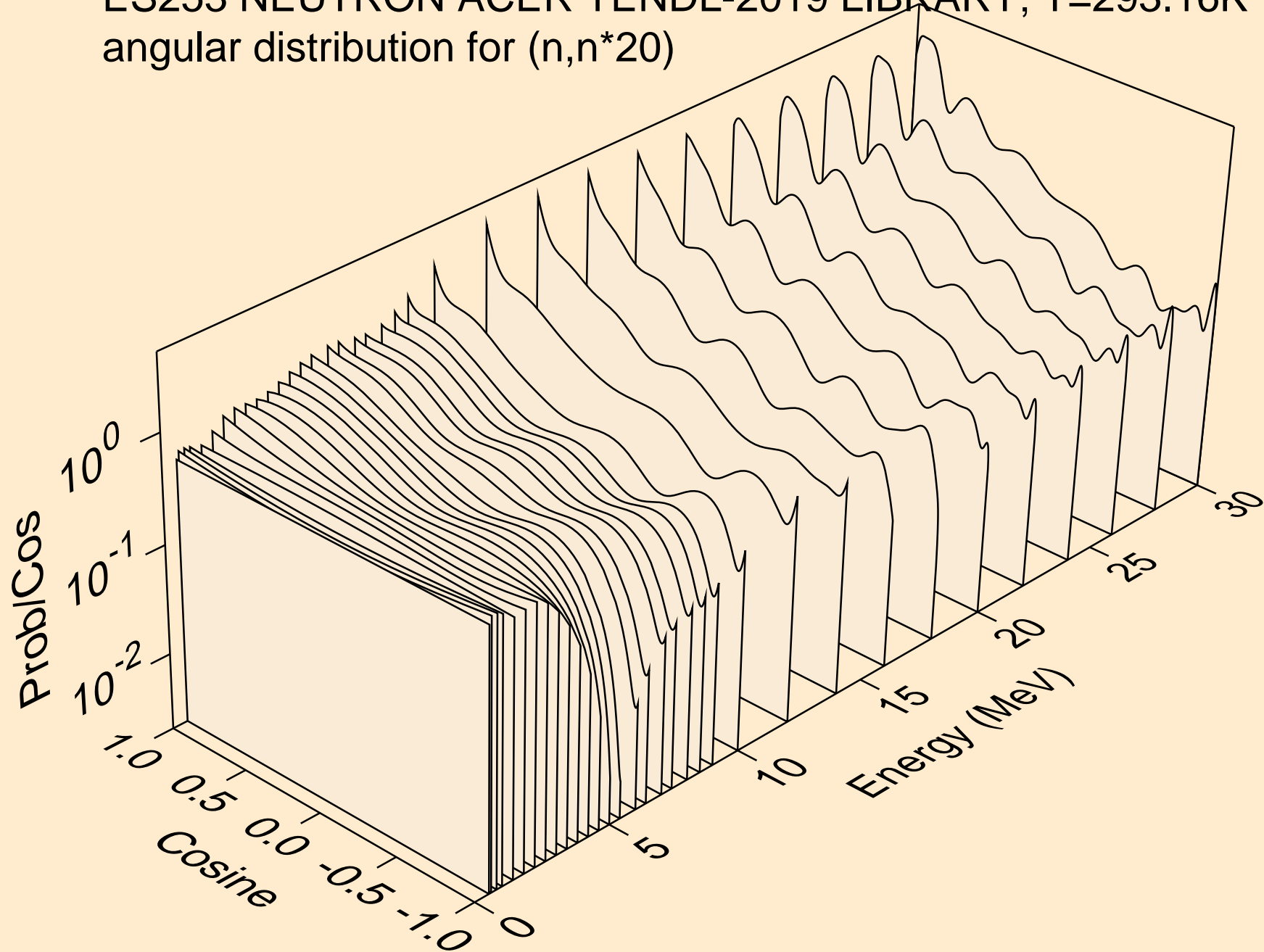
ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*18)



ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*19)

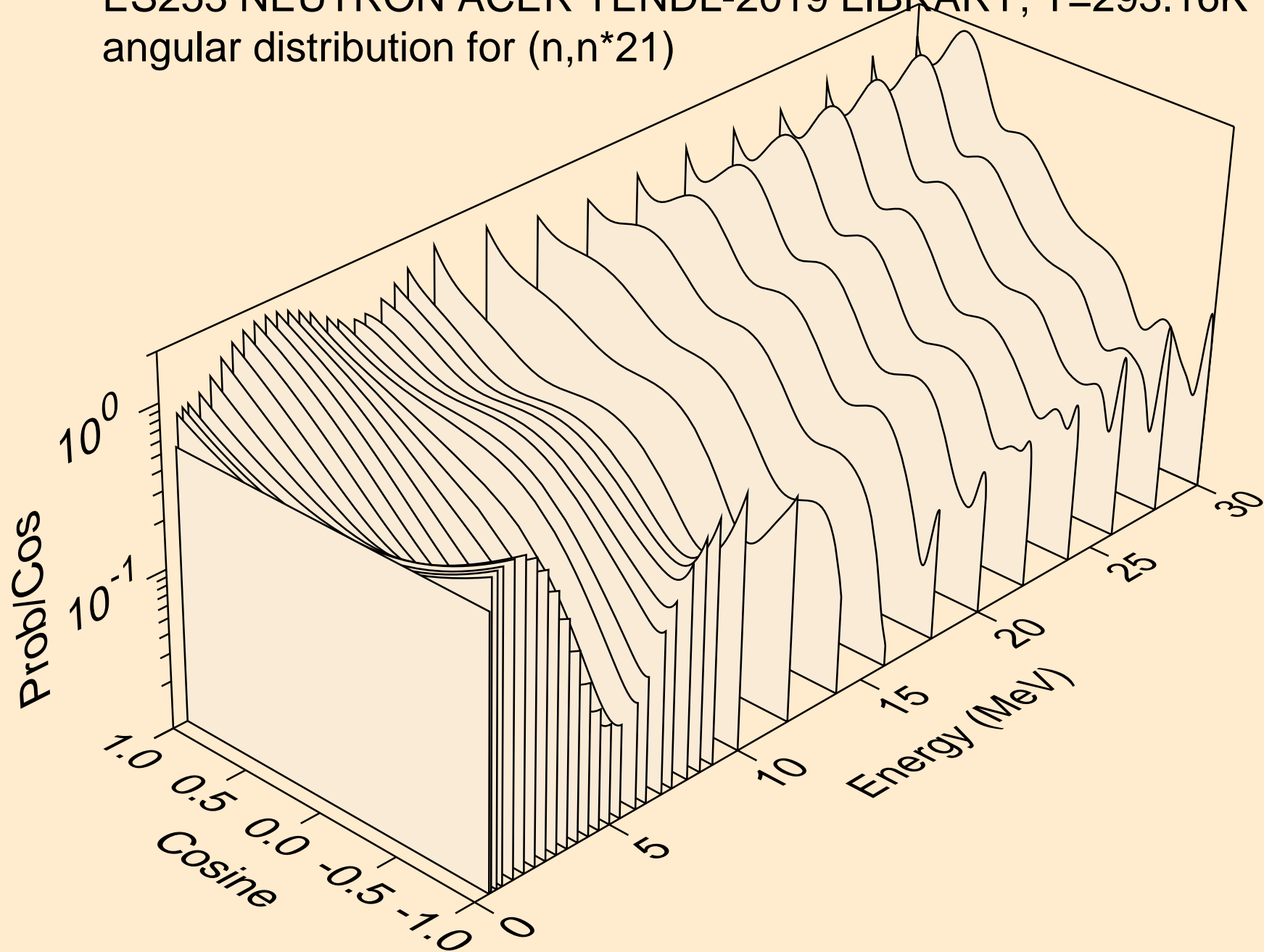


ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*20)

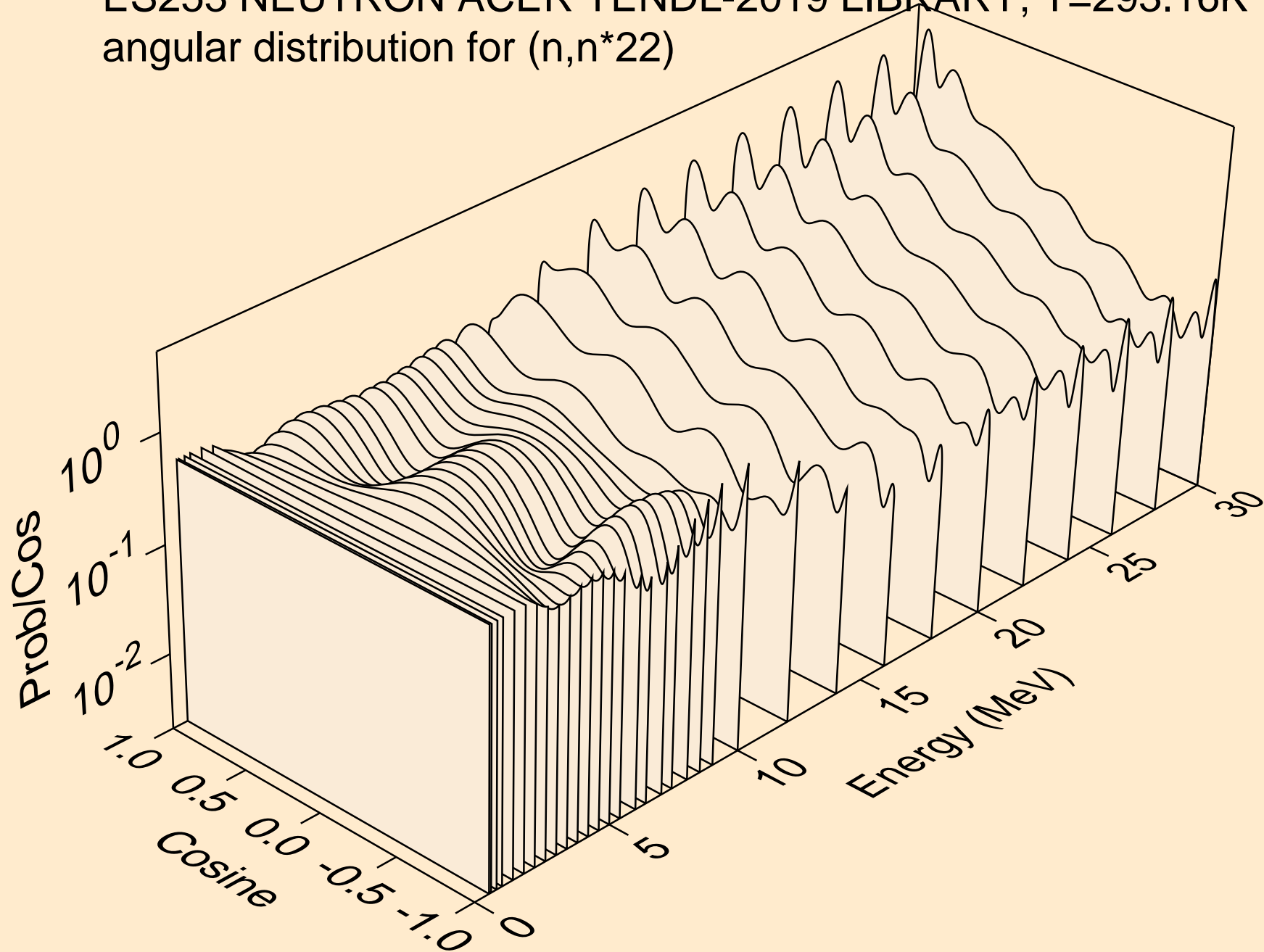




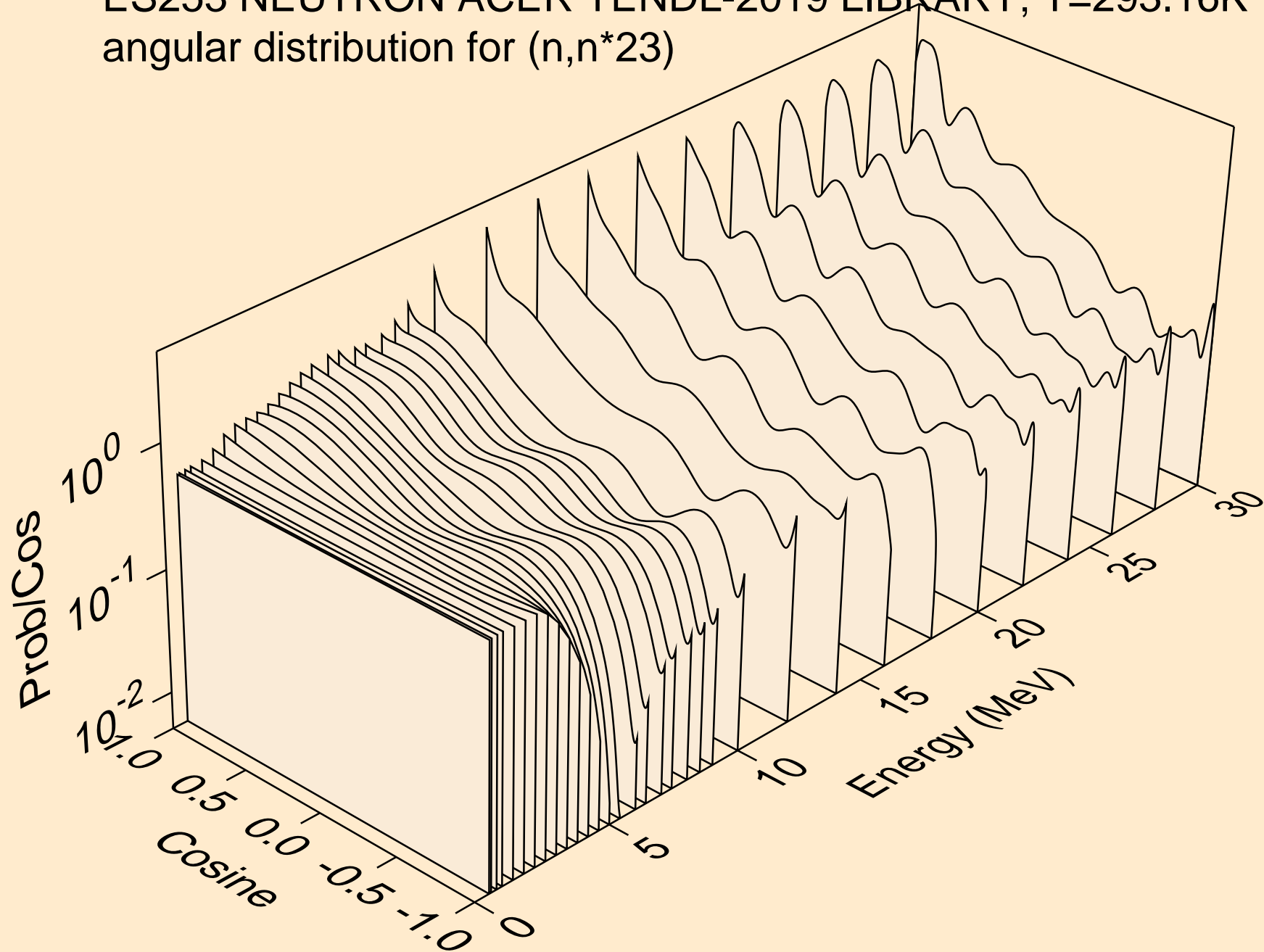
ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*21)



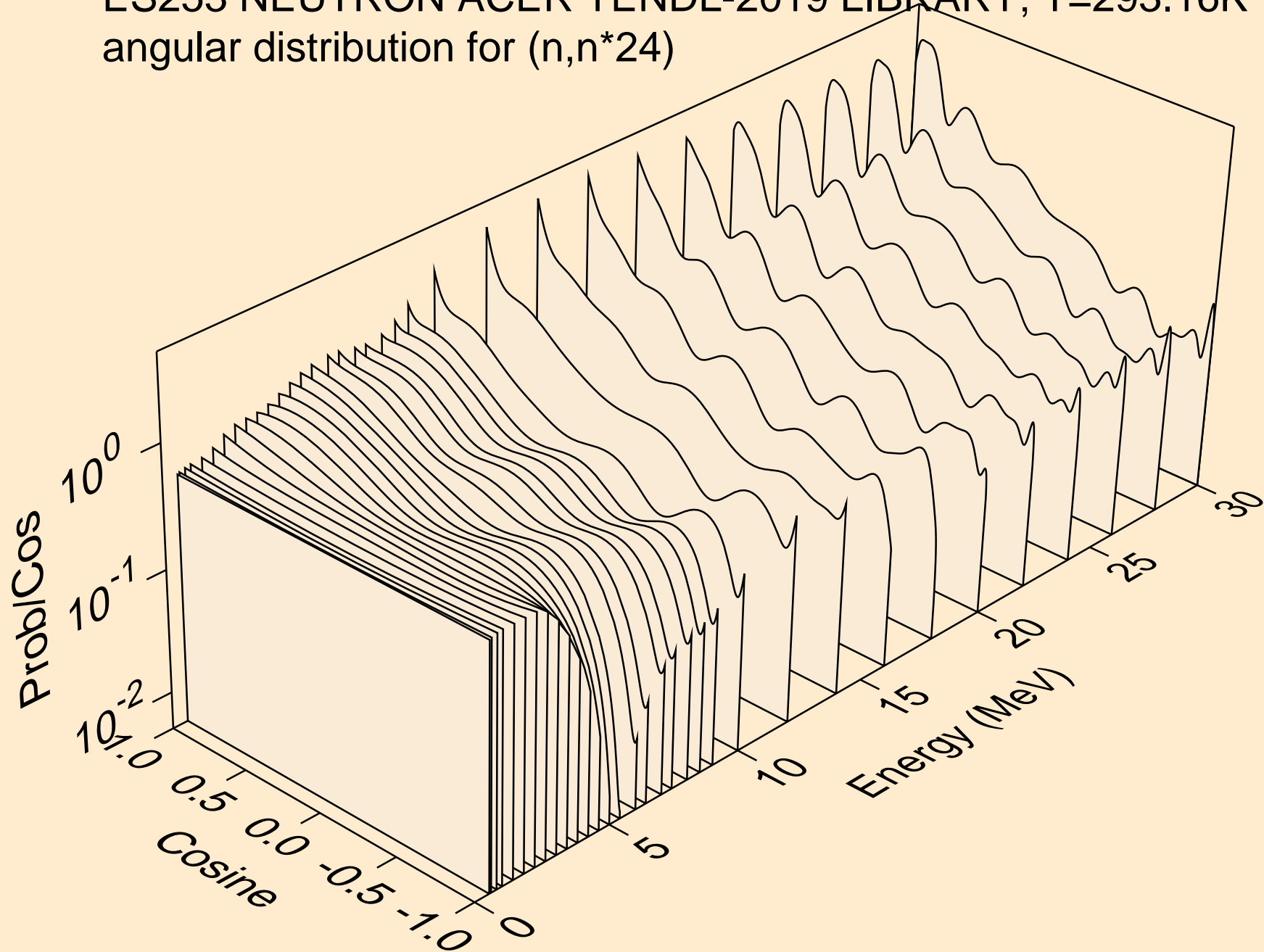
ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*22)



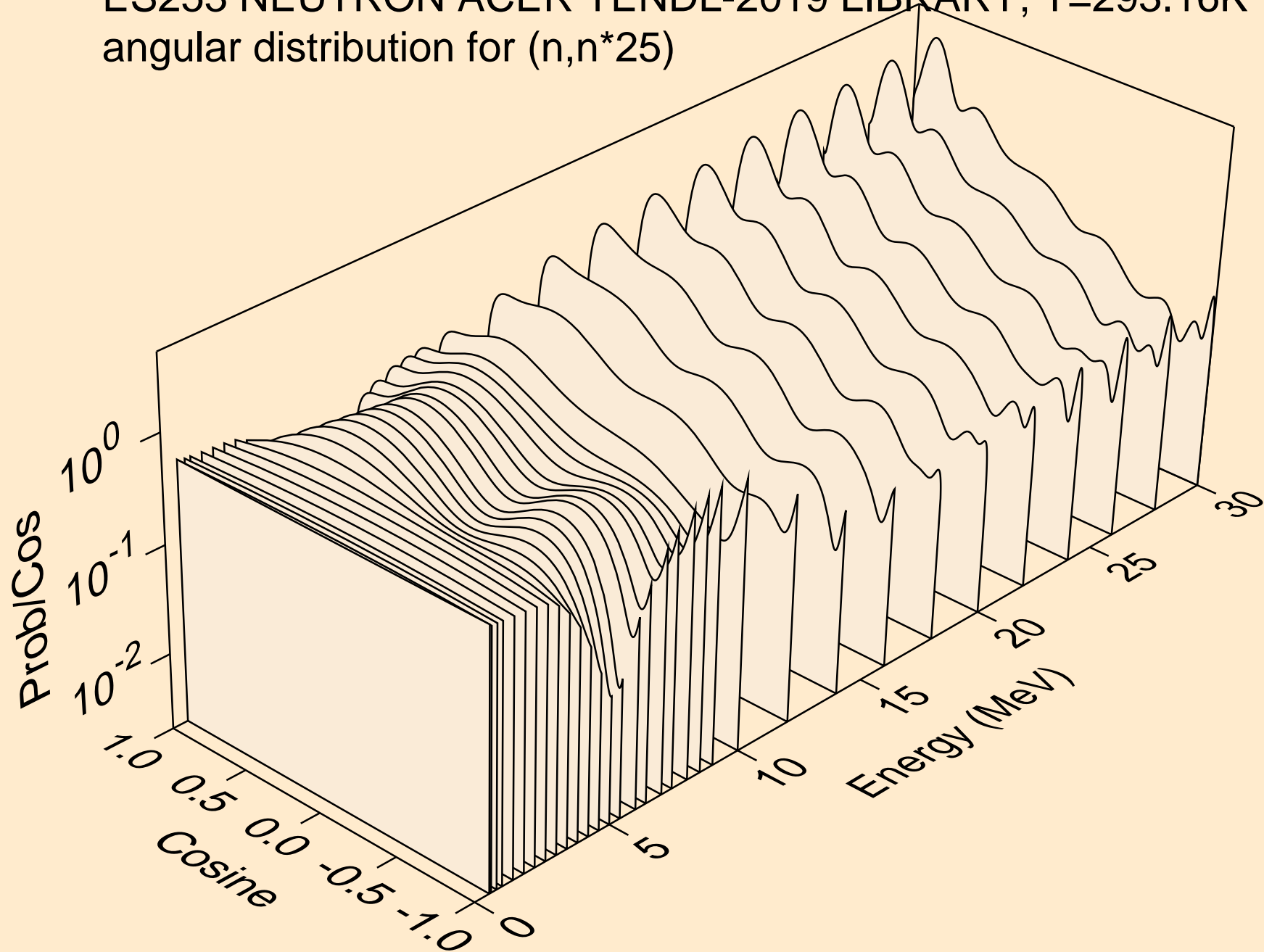
ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*23)



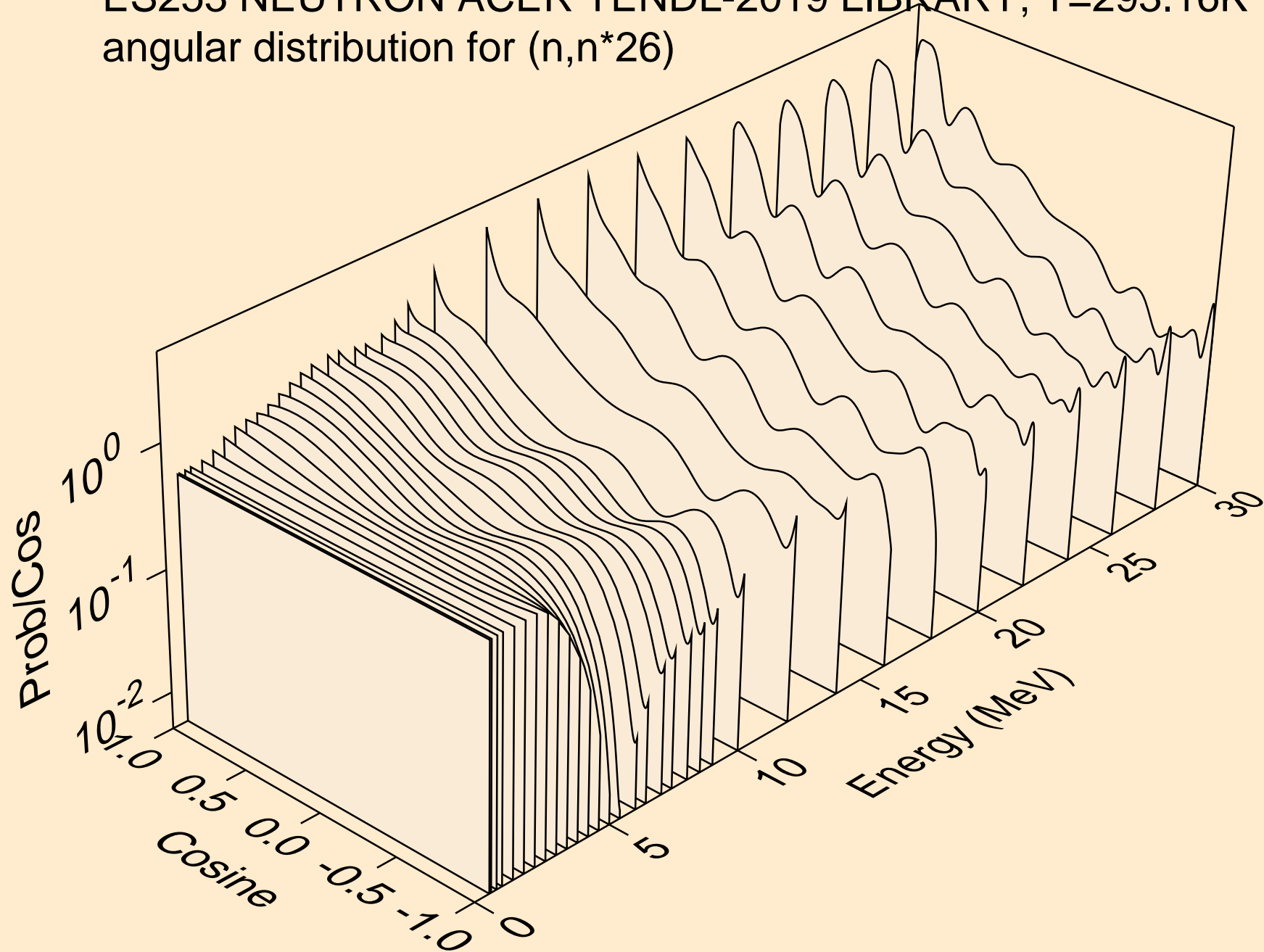
ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*24)



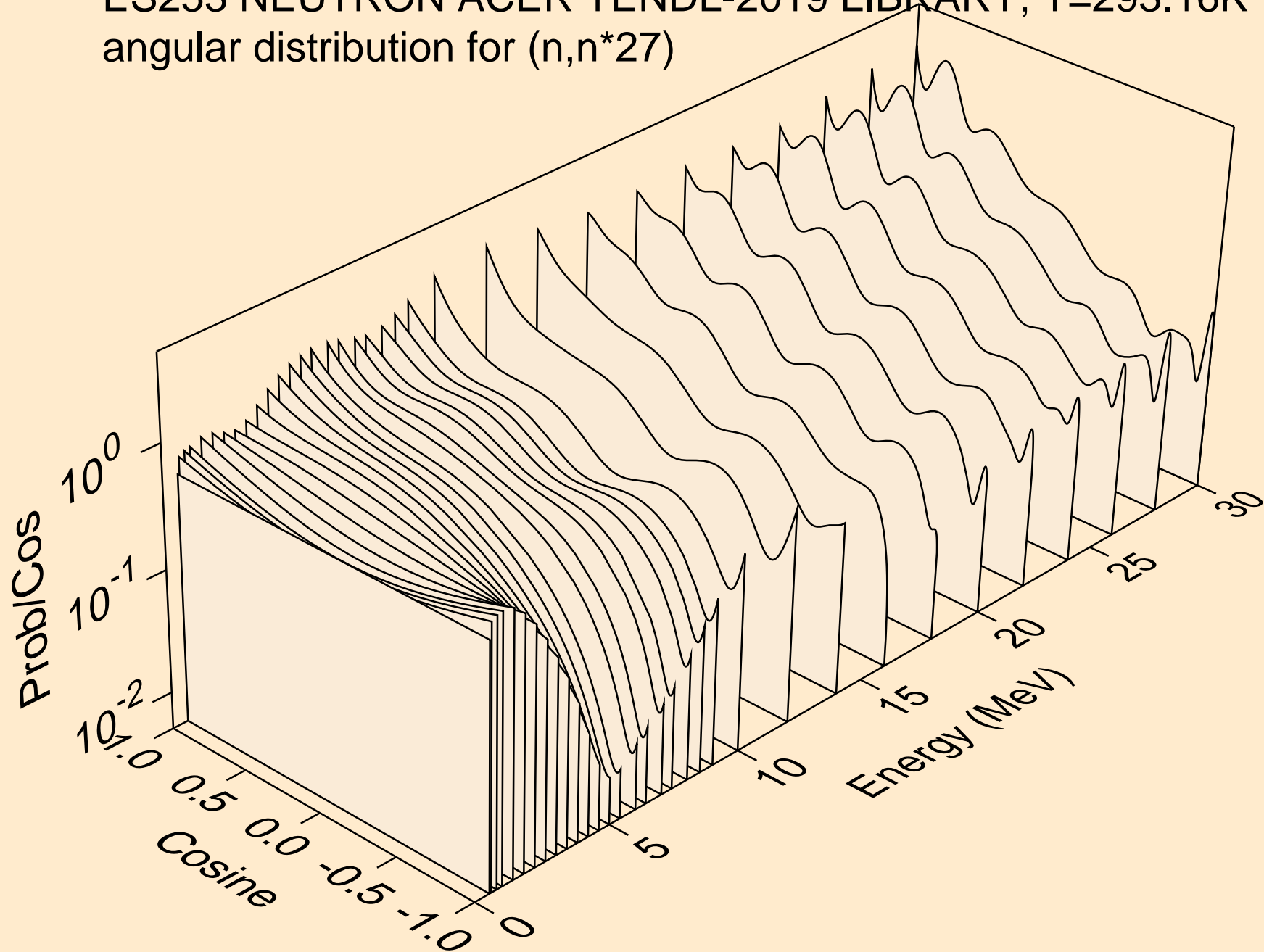
ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*25)



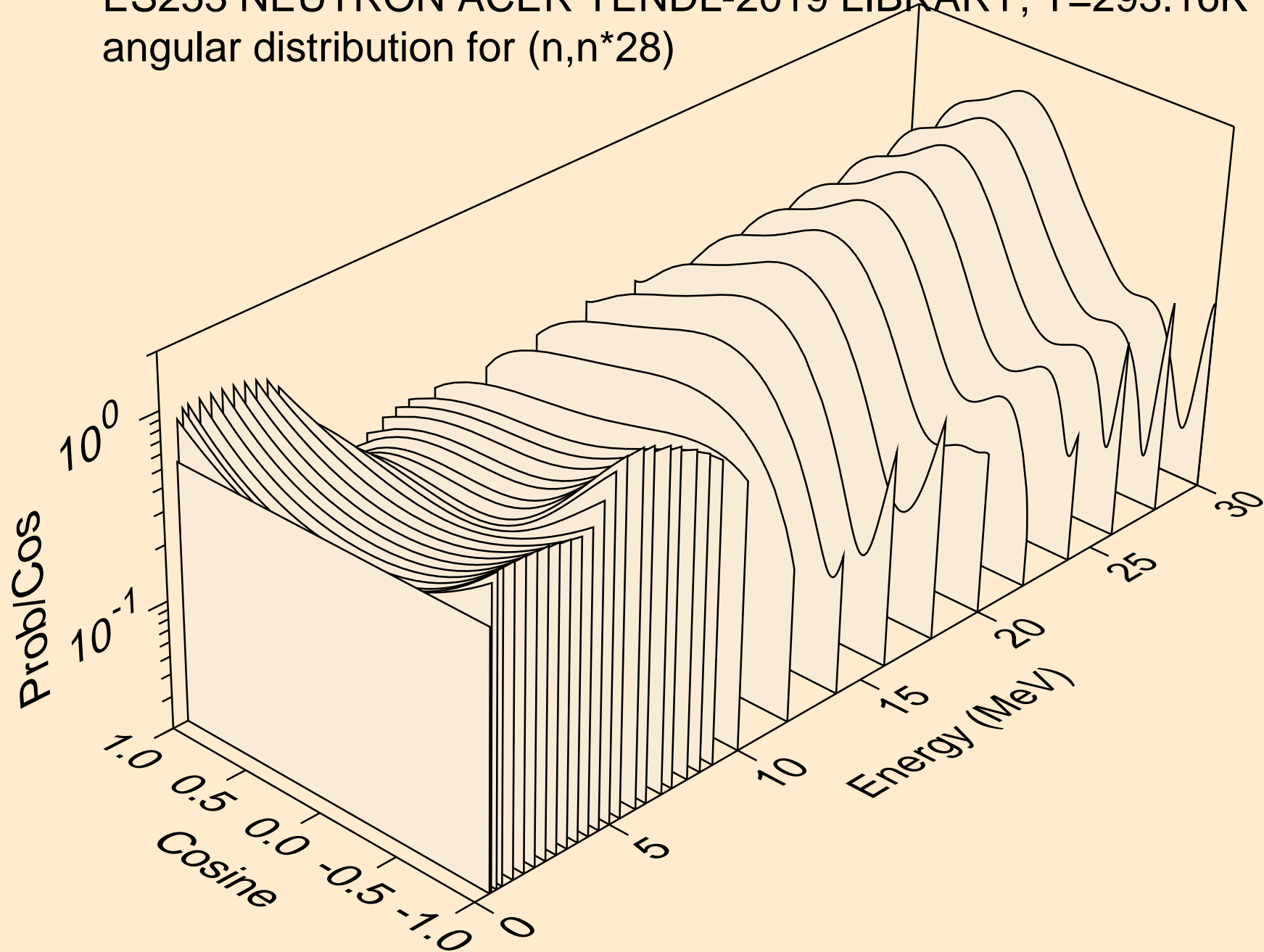
ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*26)



ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*27)

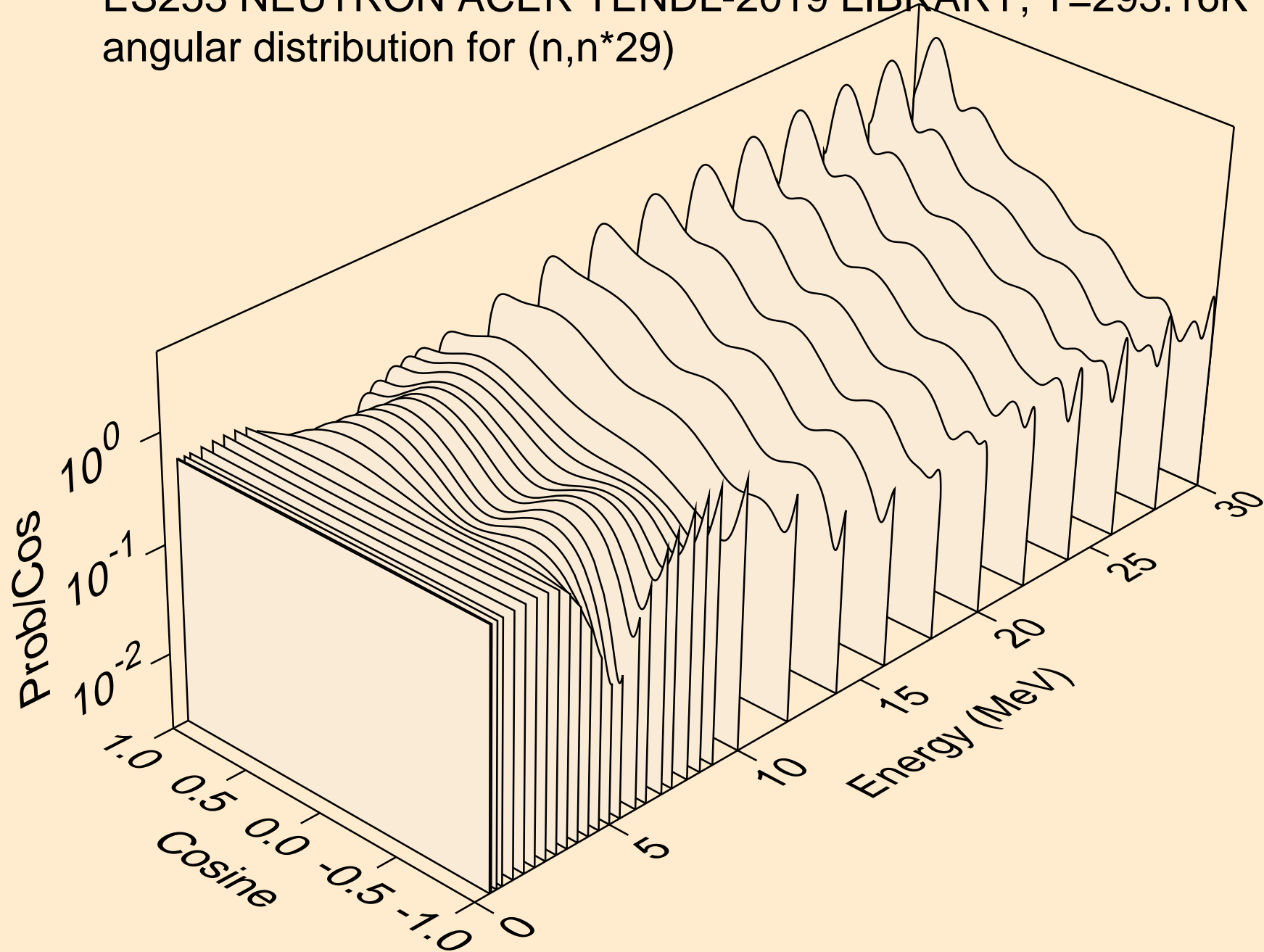


ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*28)

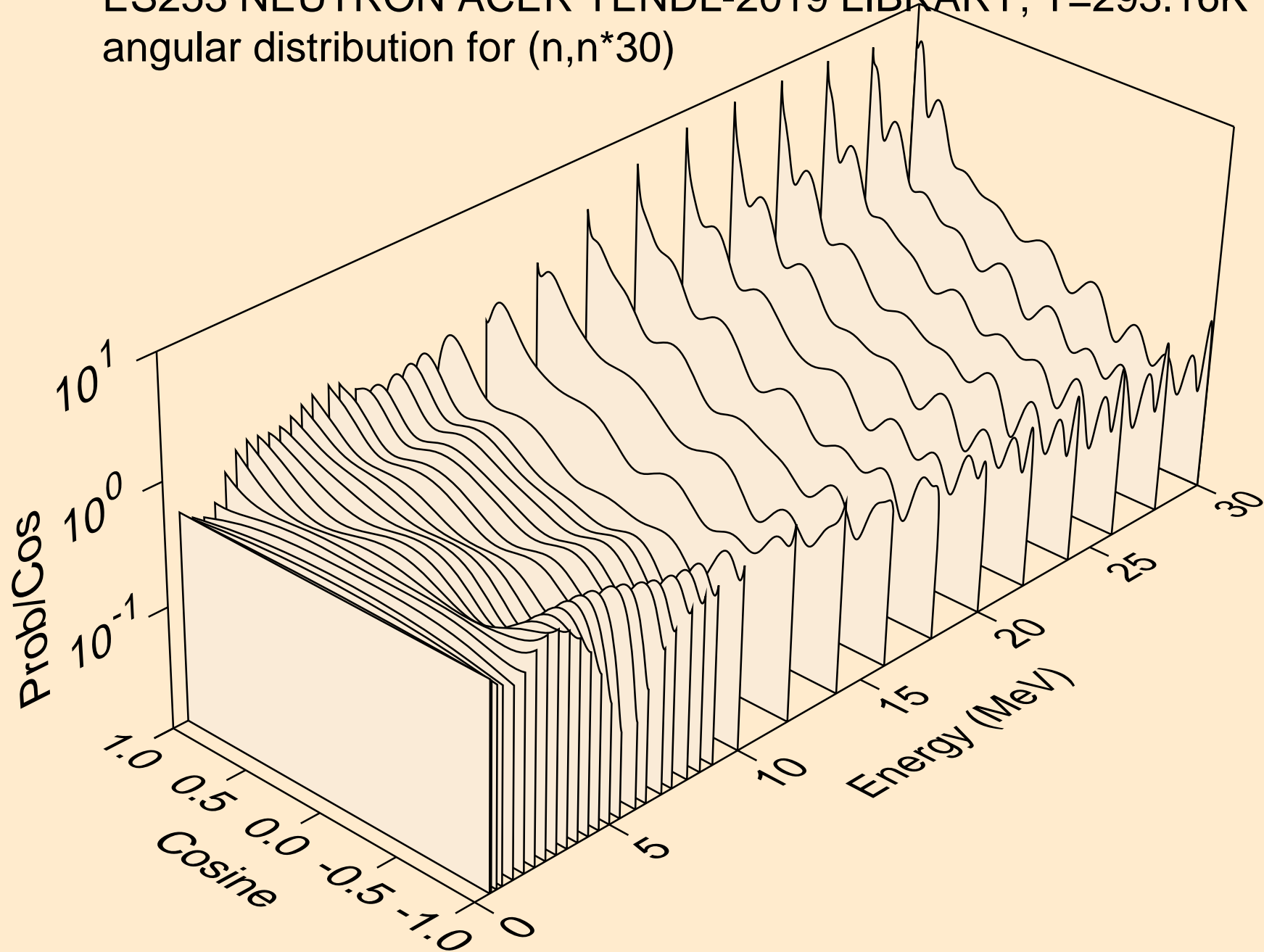




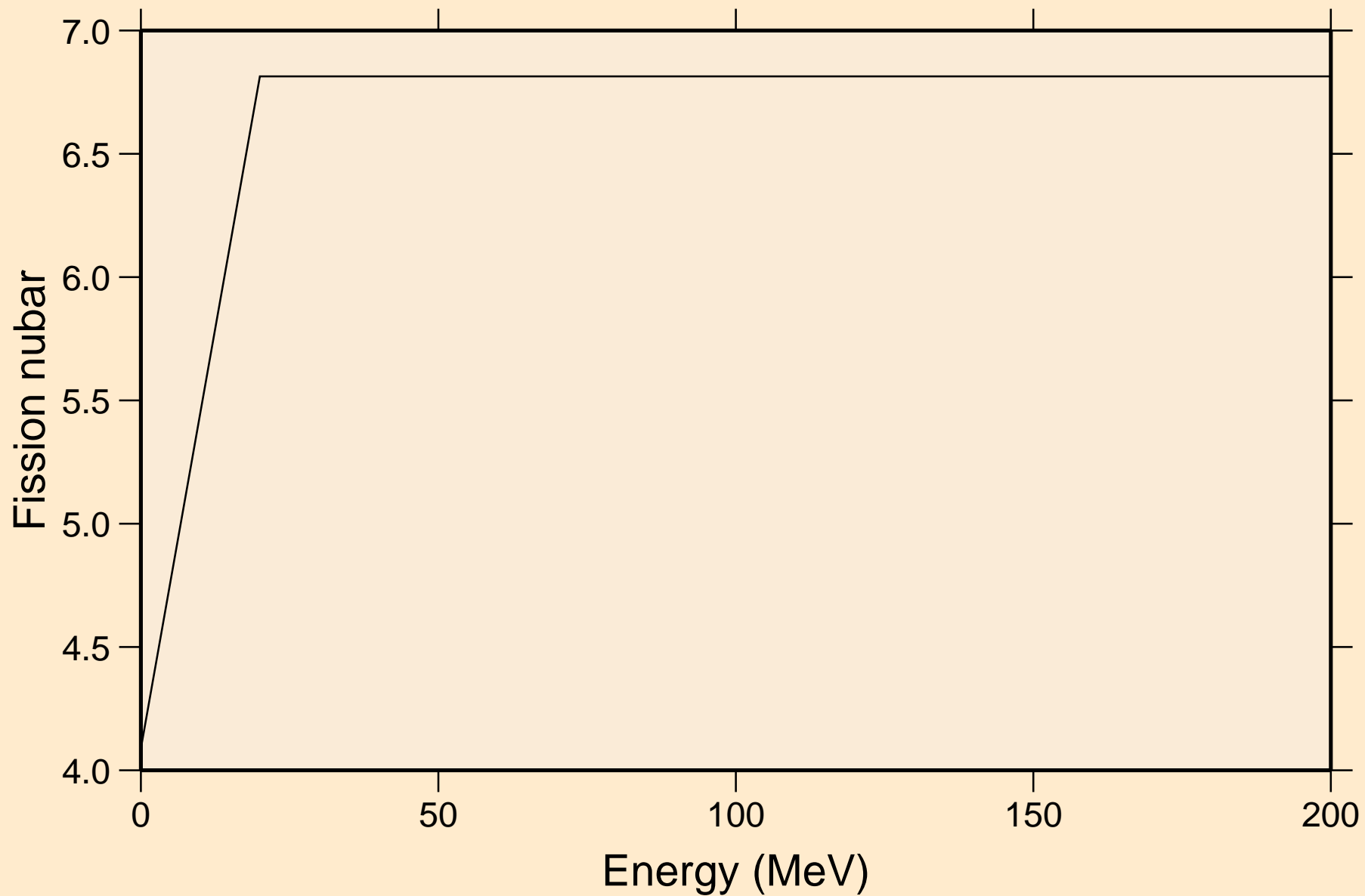
ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*29)



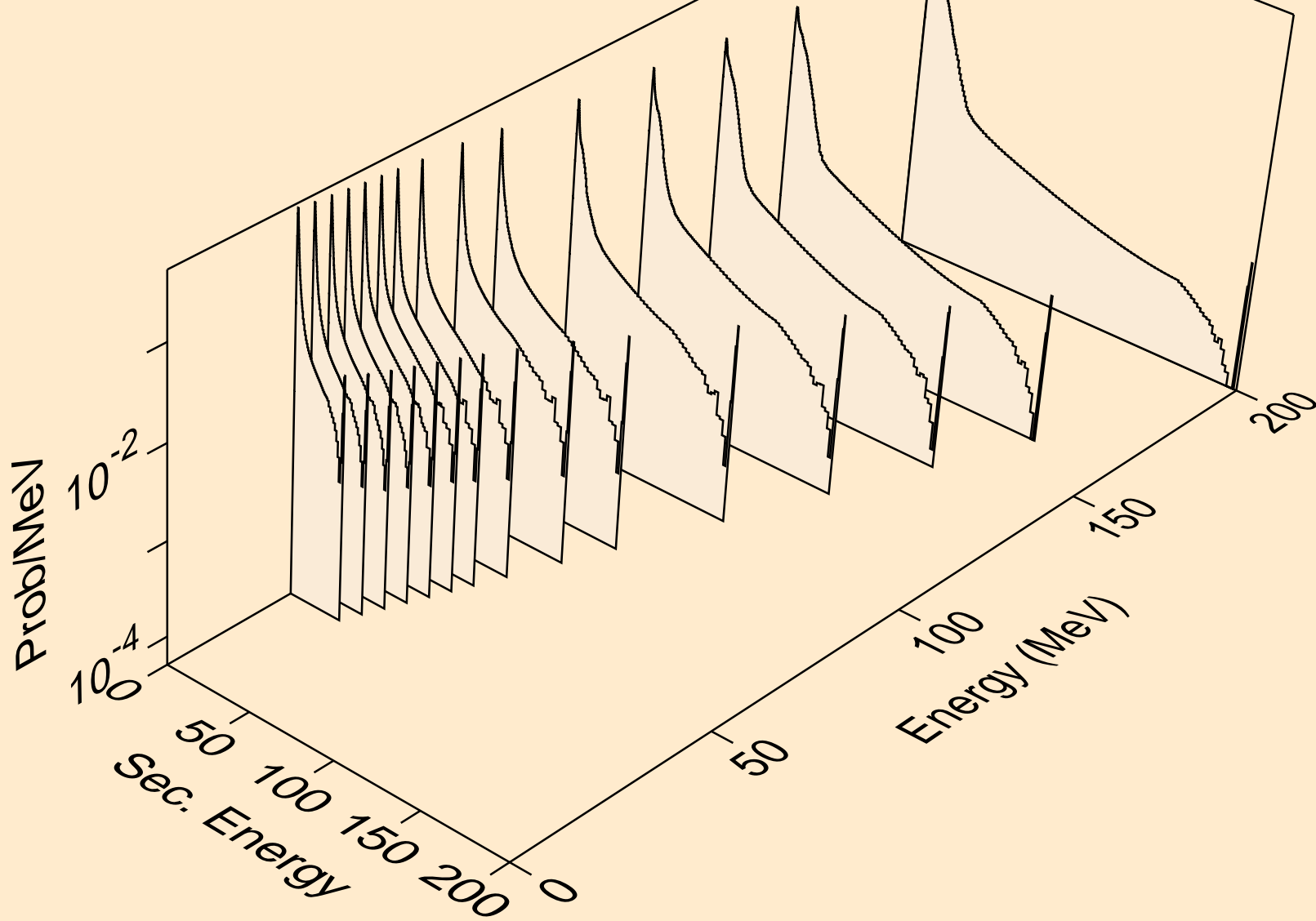
ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*30)



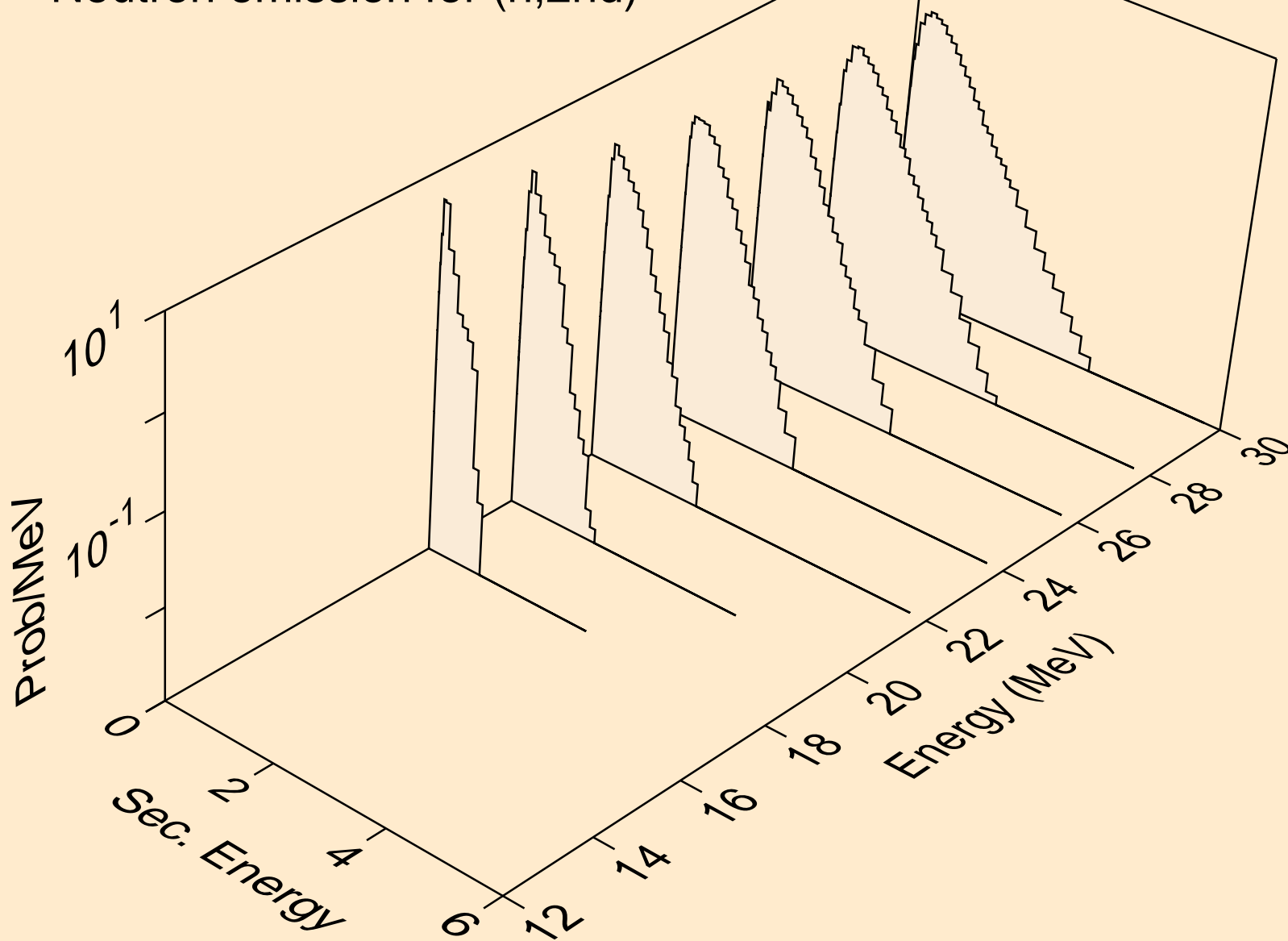
ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Total fission nubar



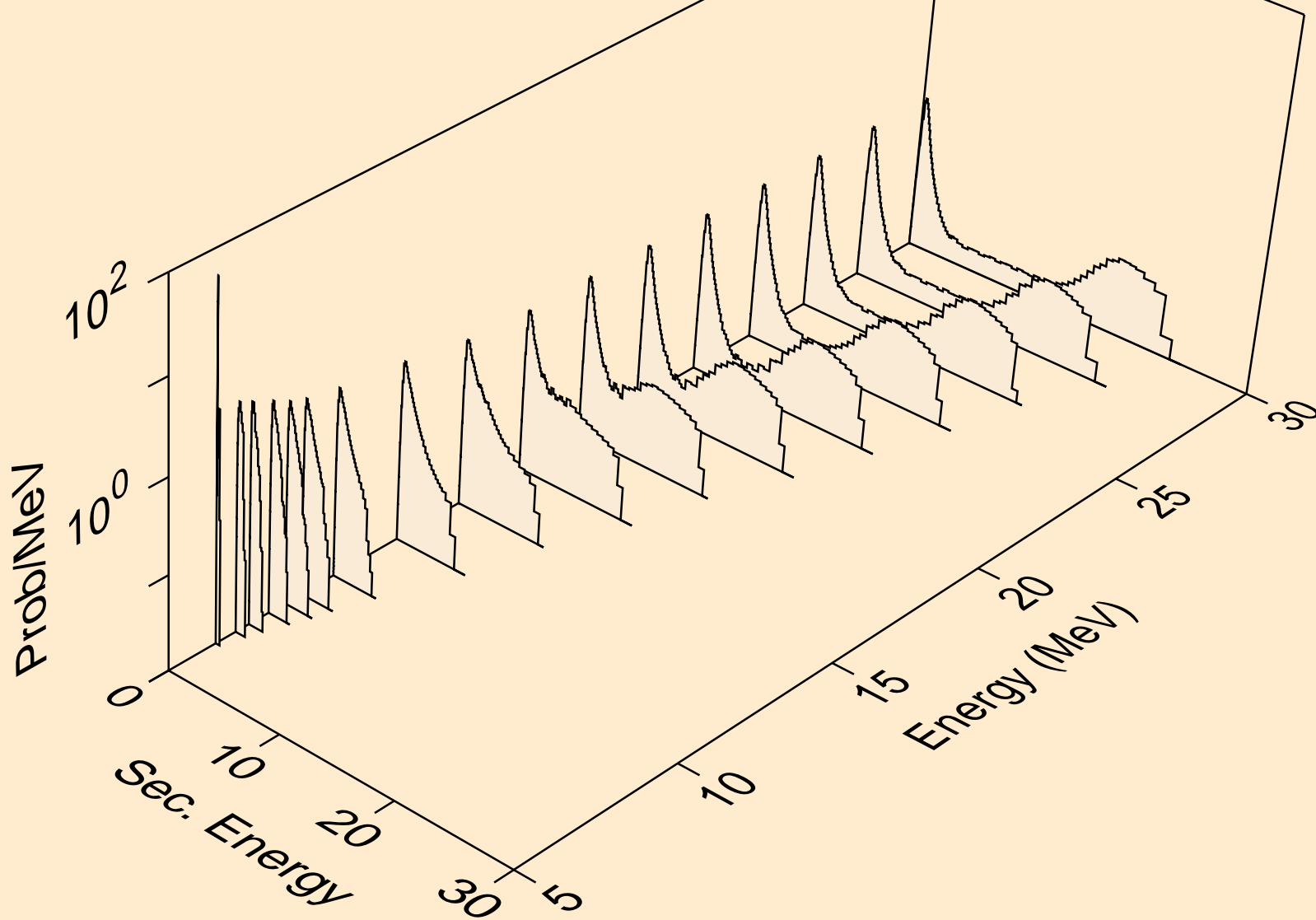
ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,x)



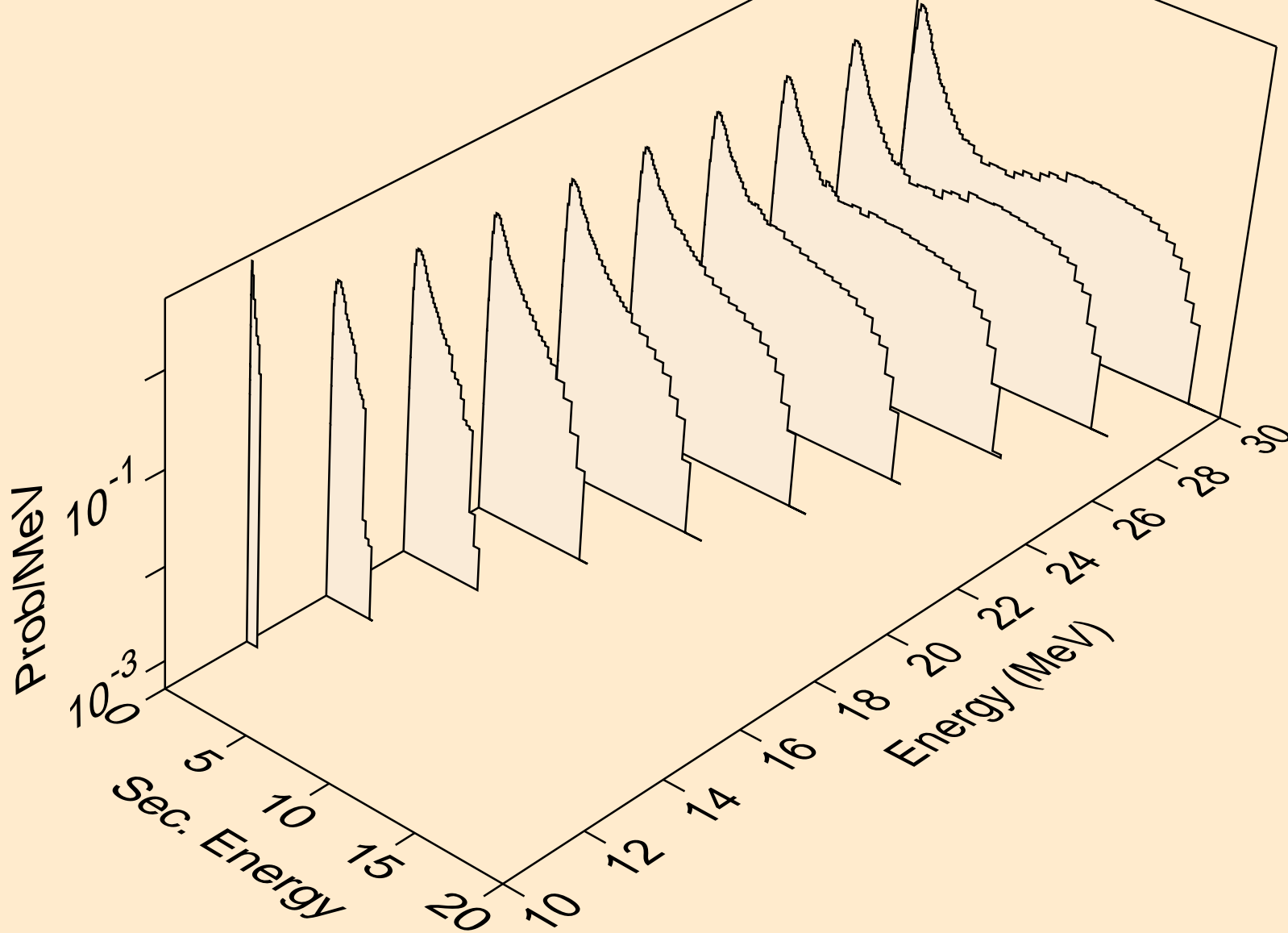
ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2nd)



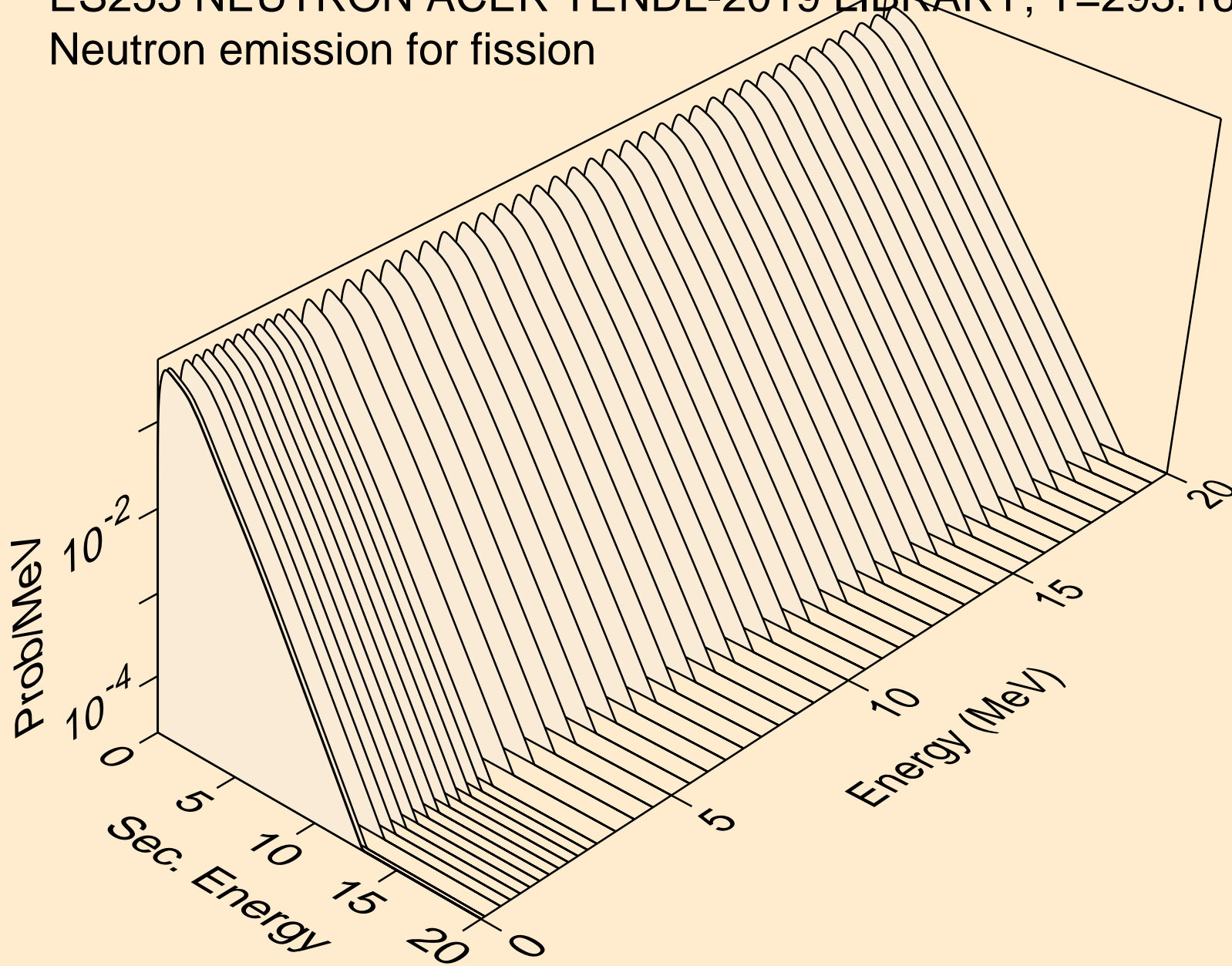
ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)



ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)

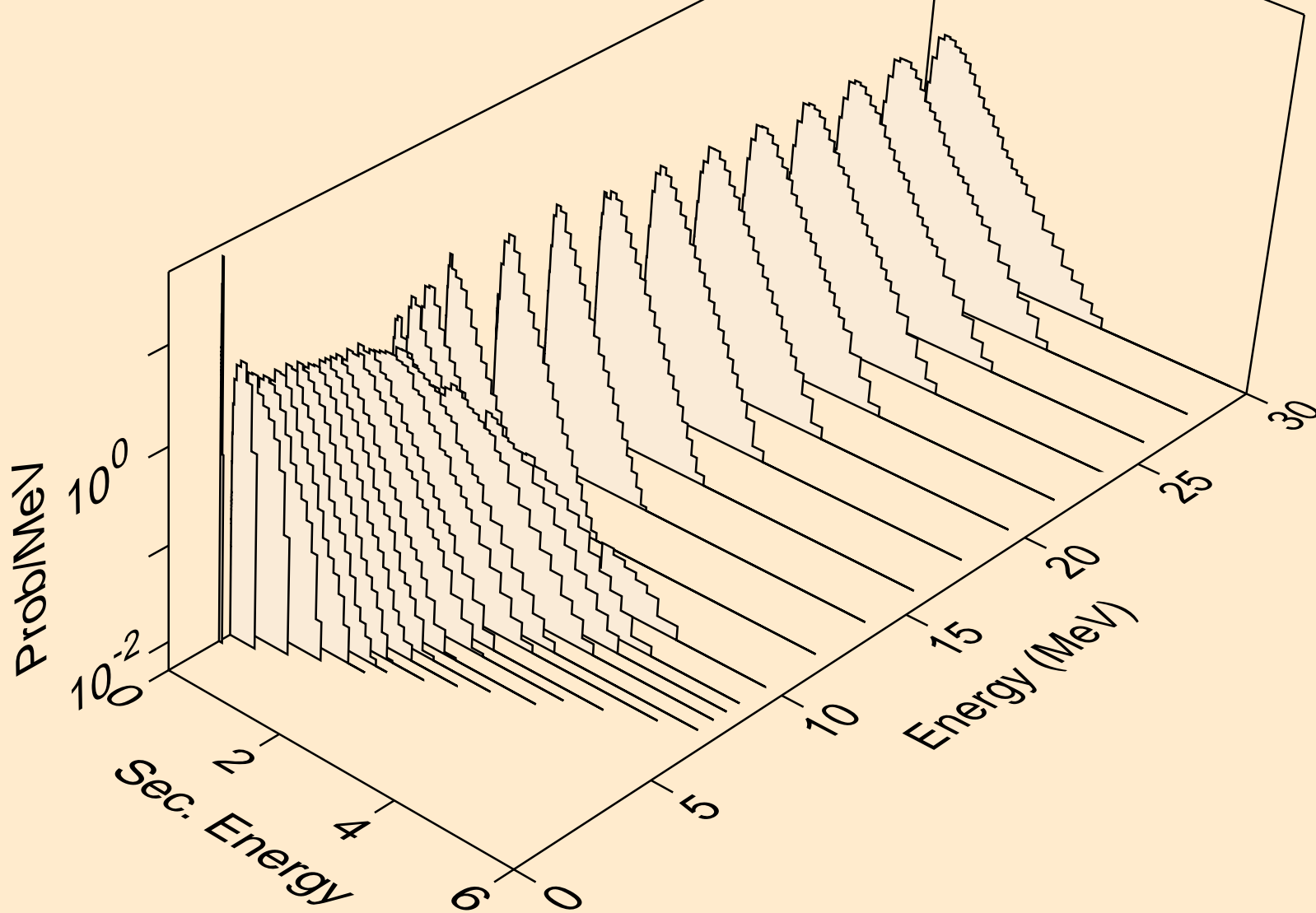


ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for fission

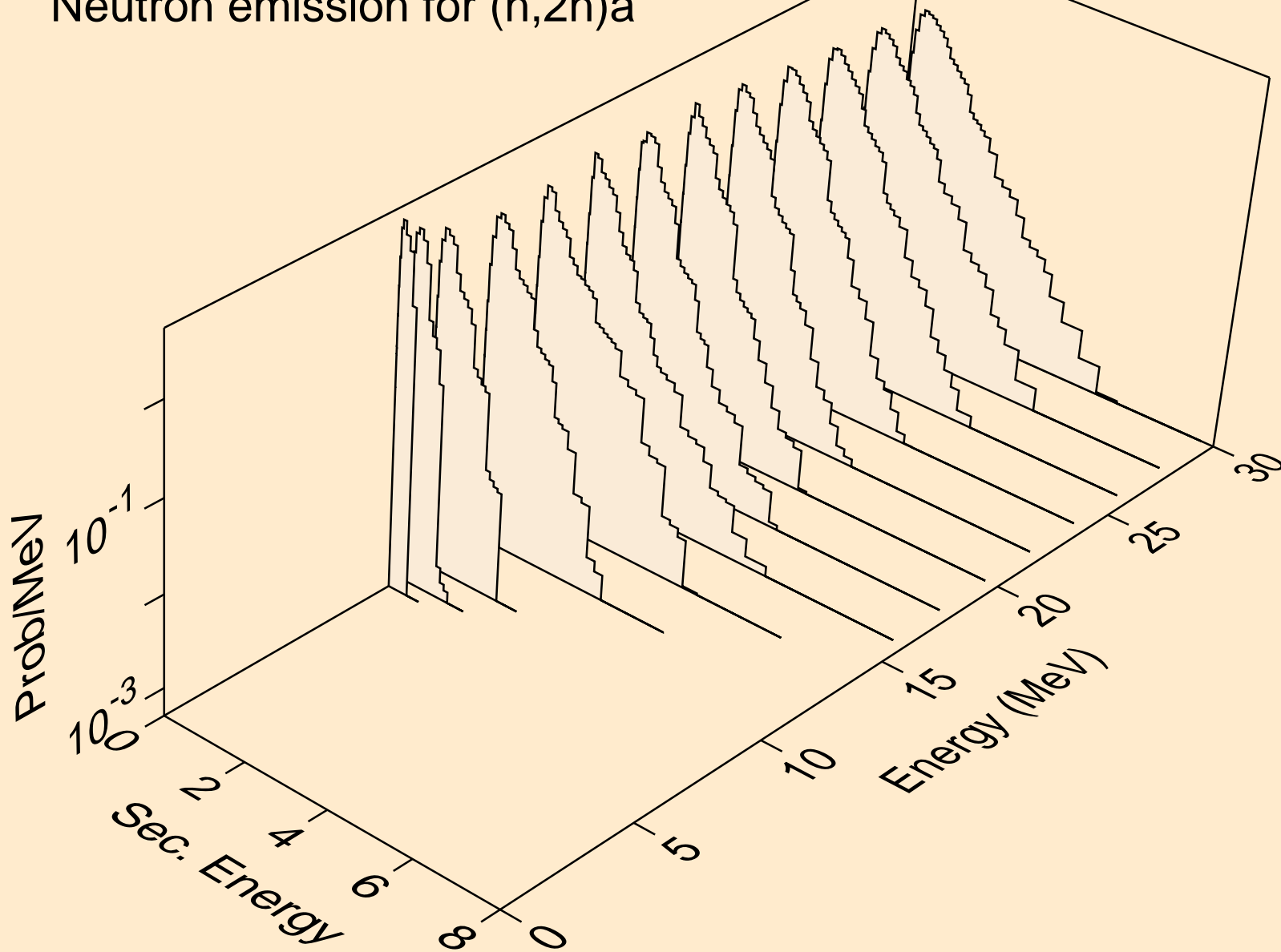




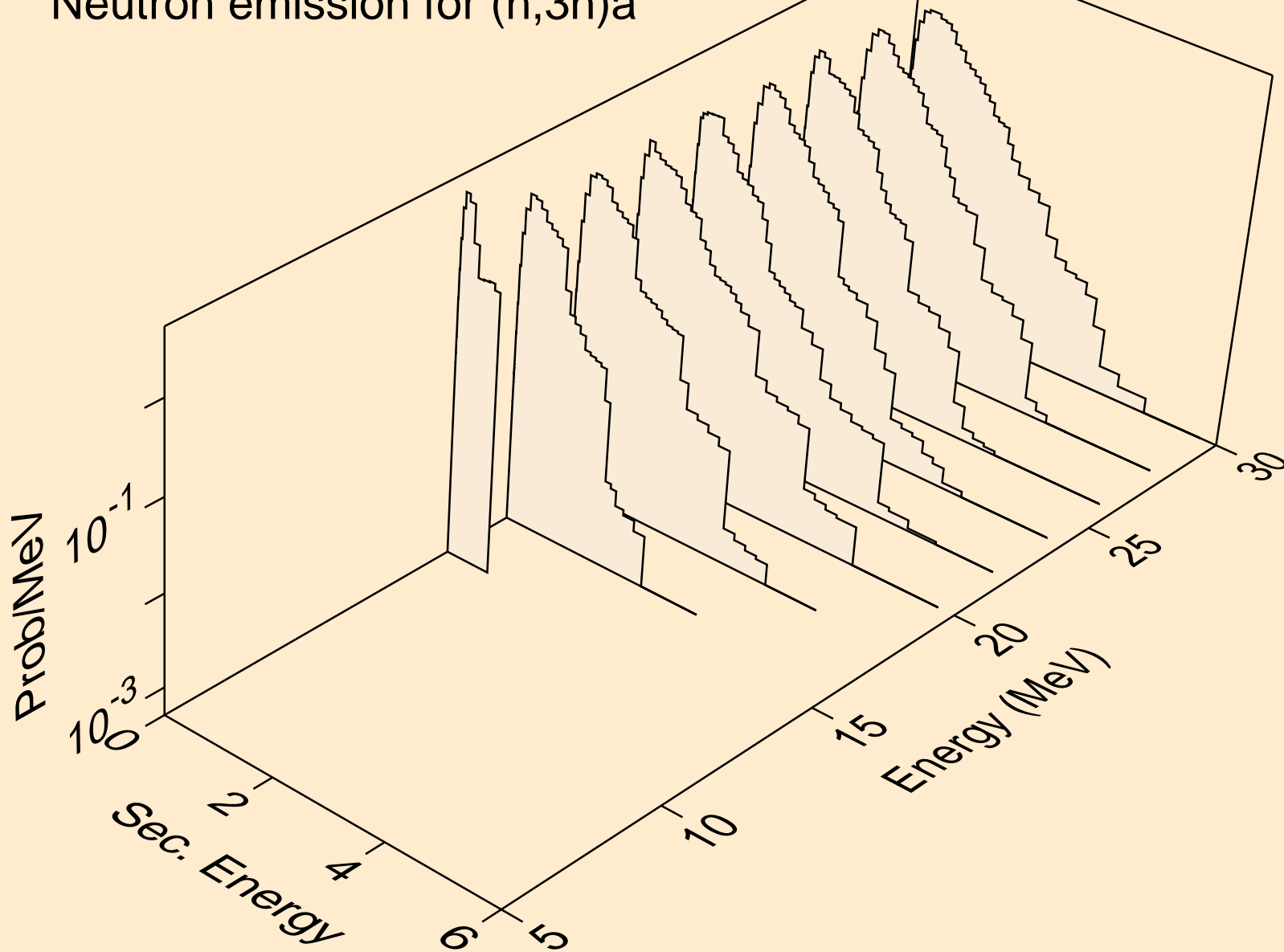
ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)a



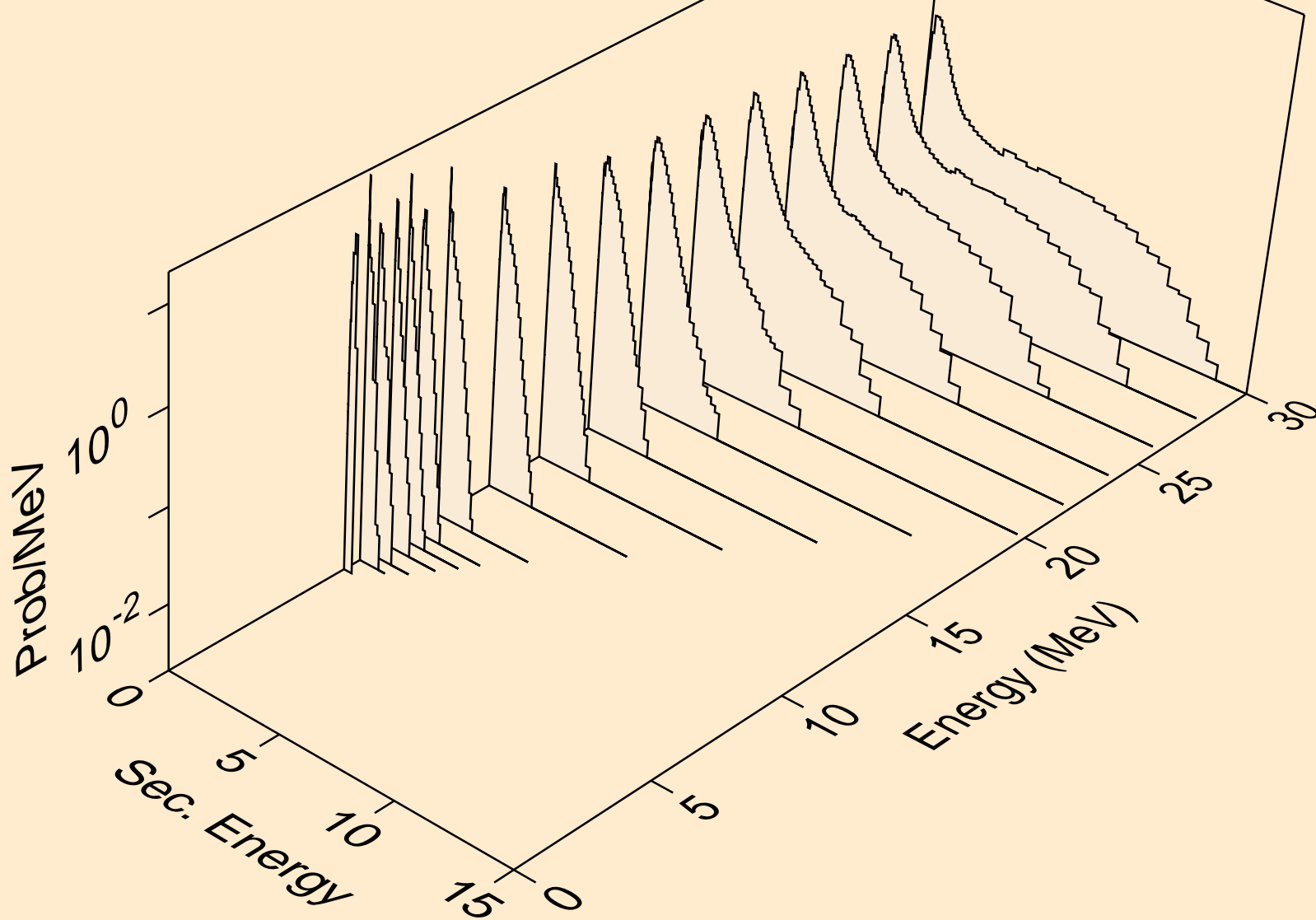
ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)a



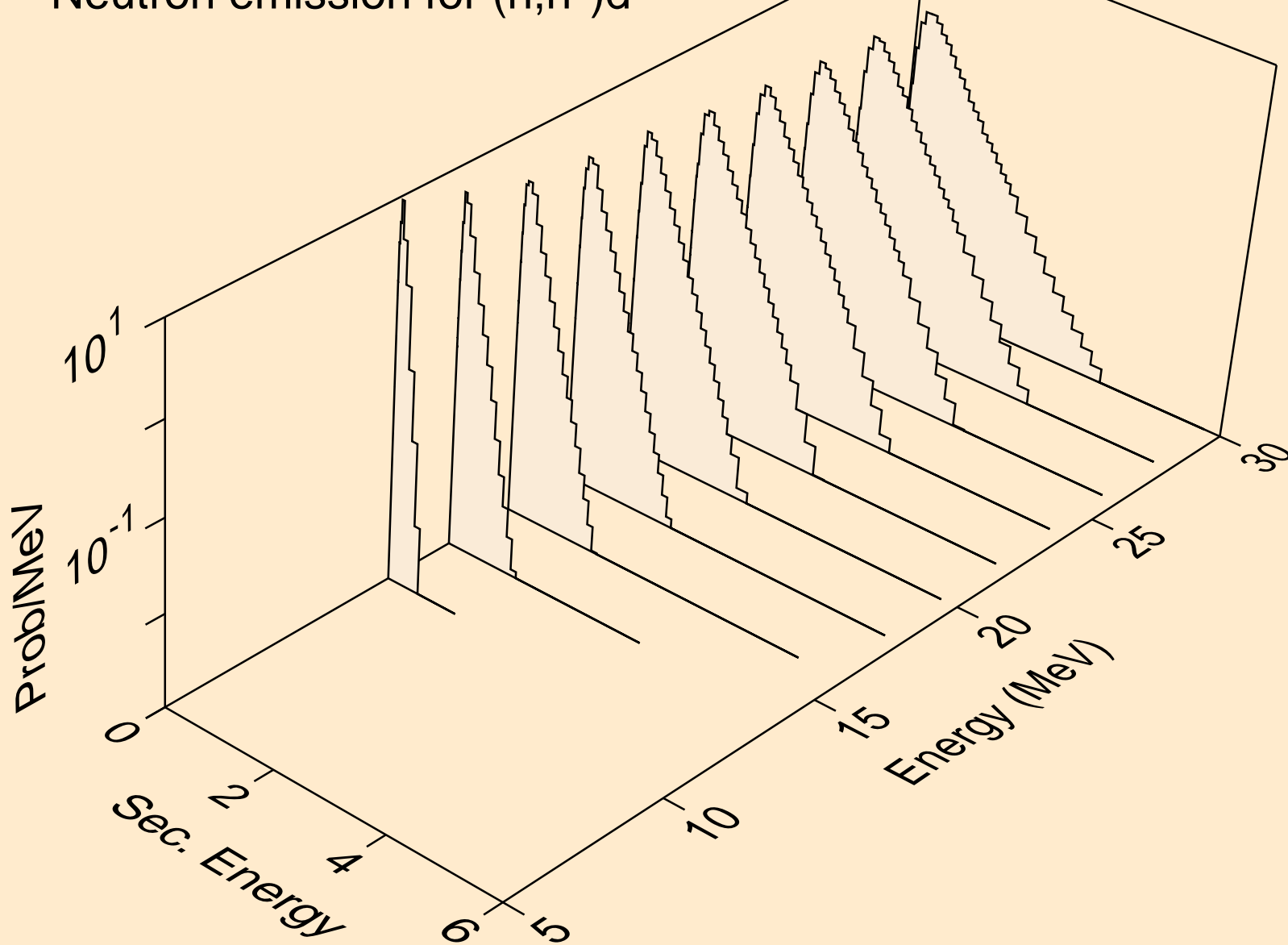
ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)a



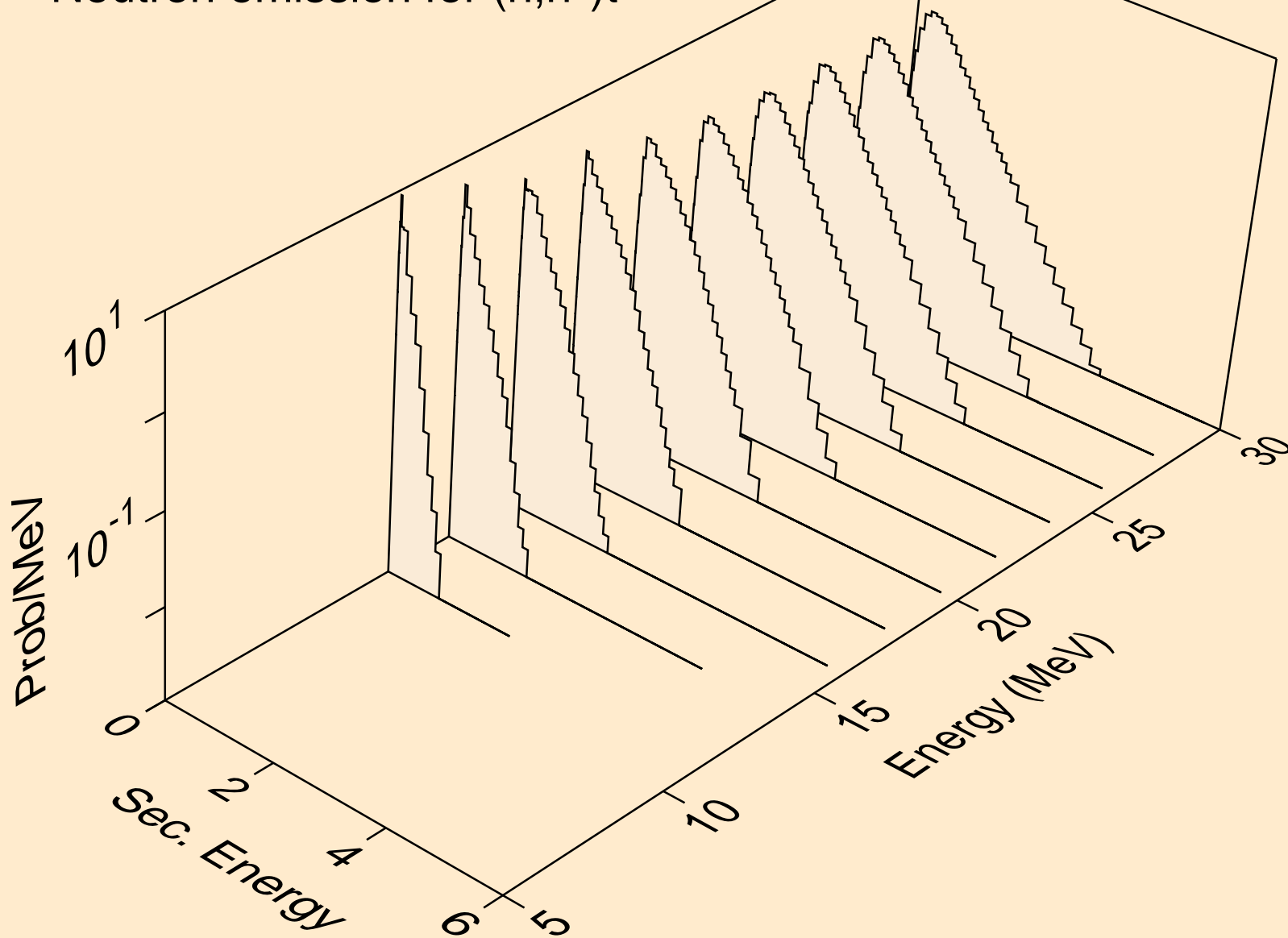
ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)p



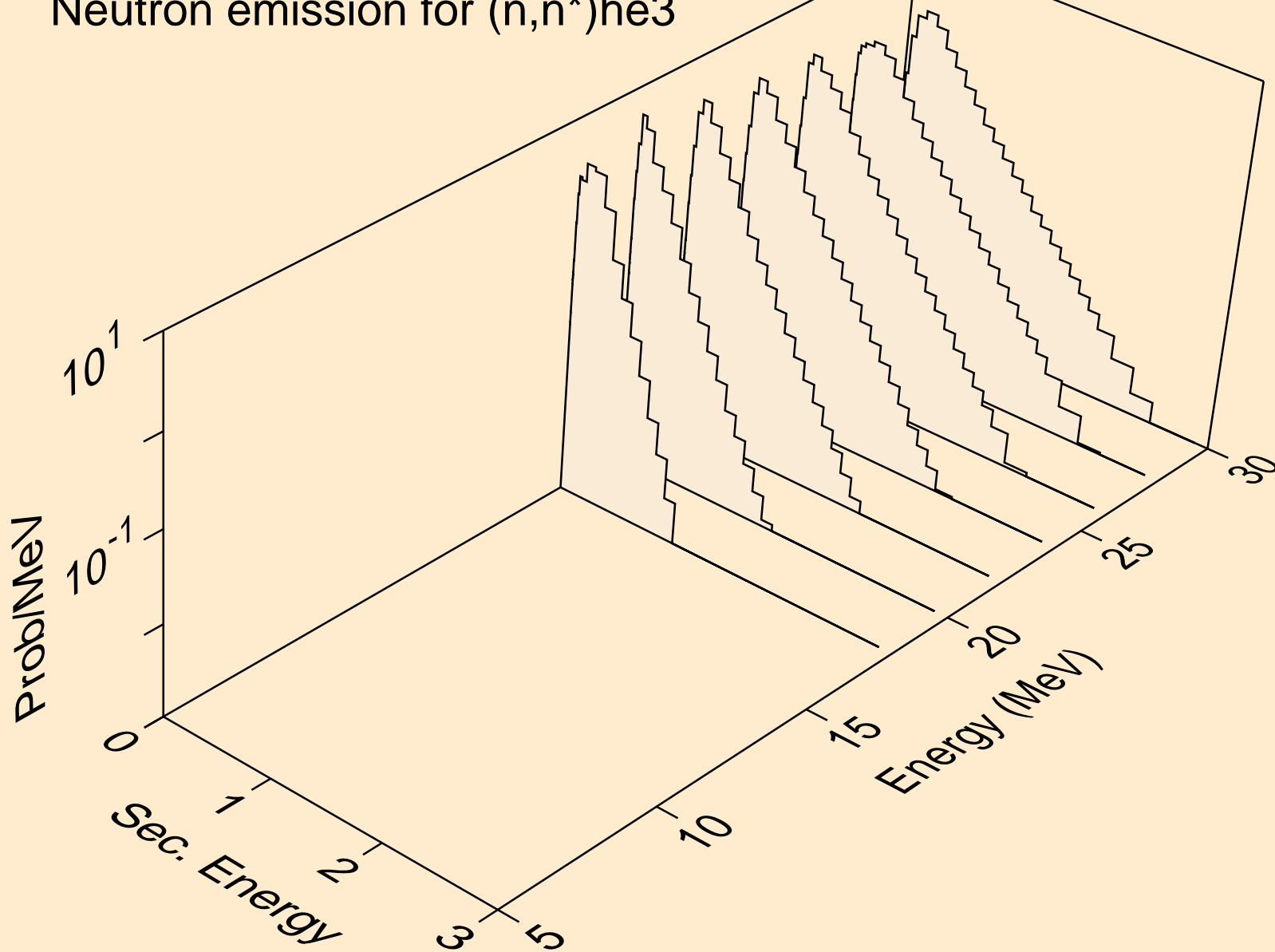
ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)d



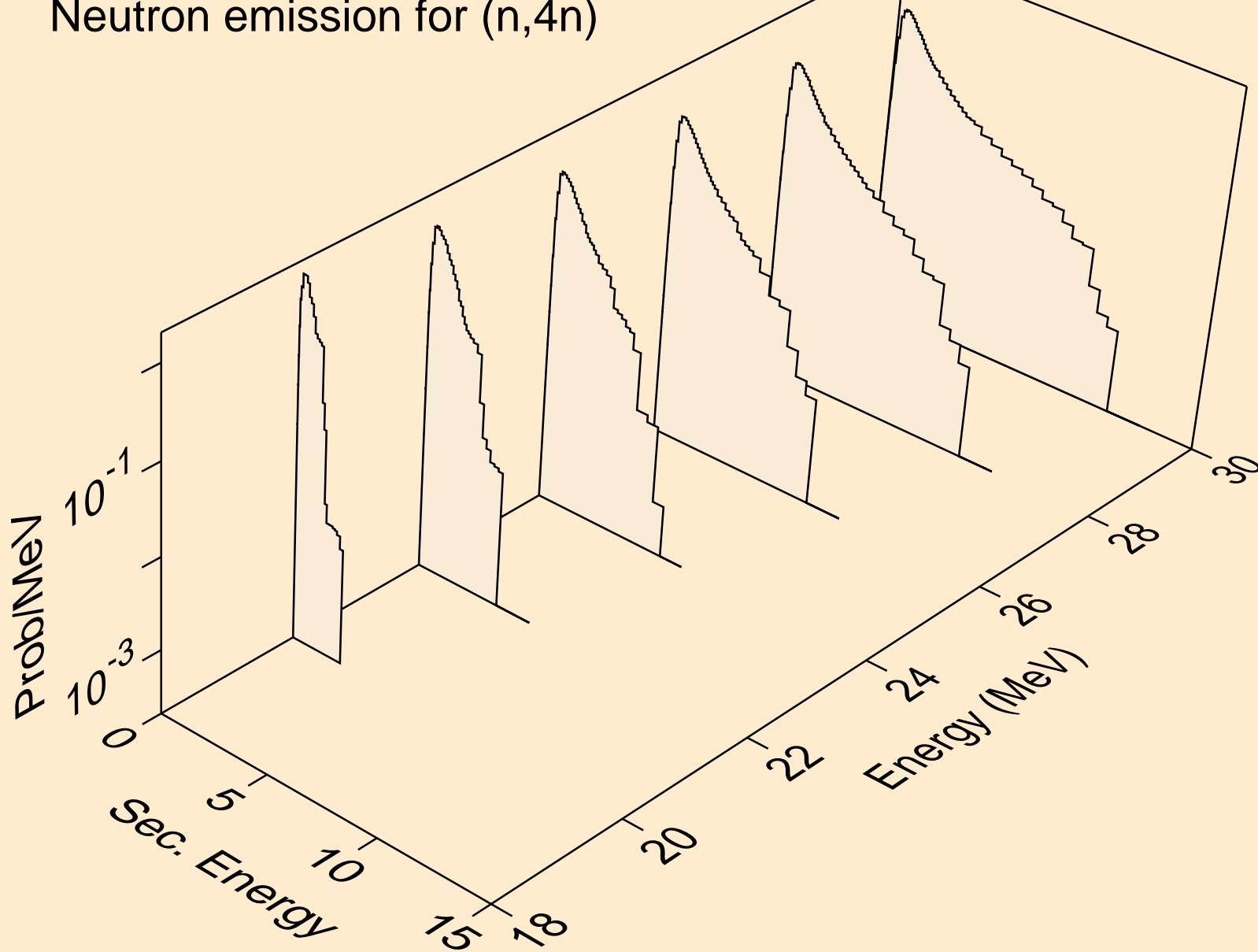
ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)t



ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)he3

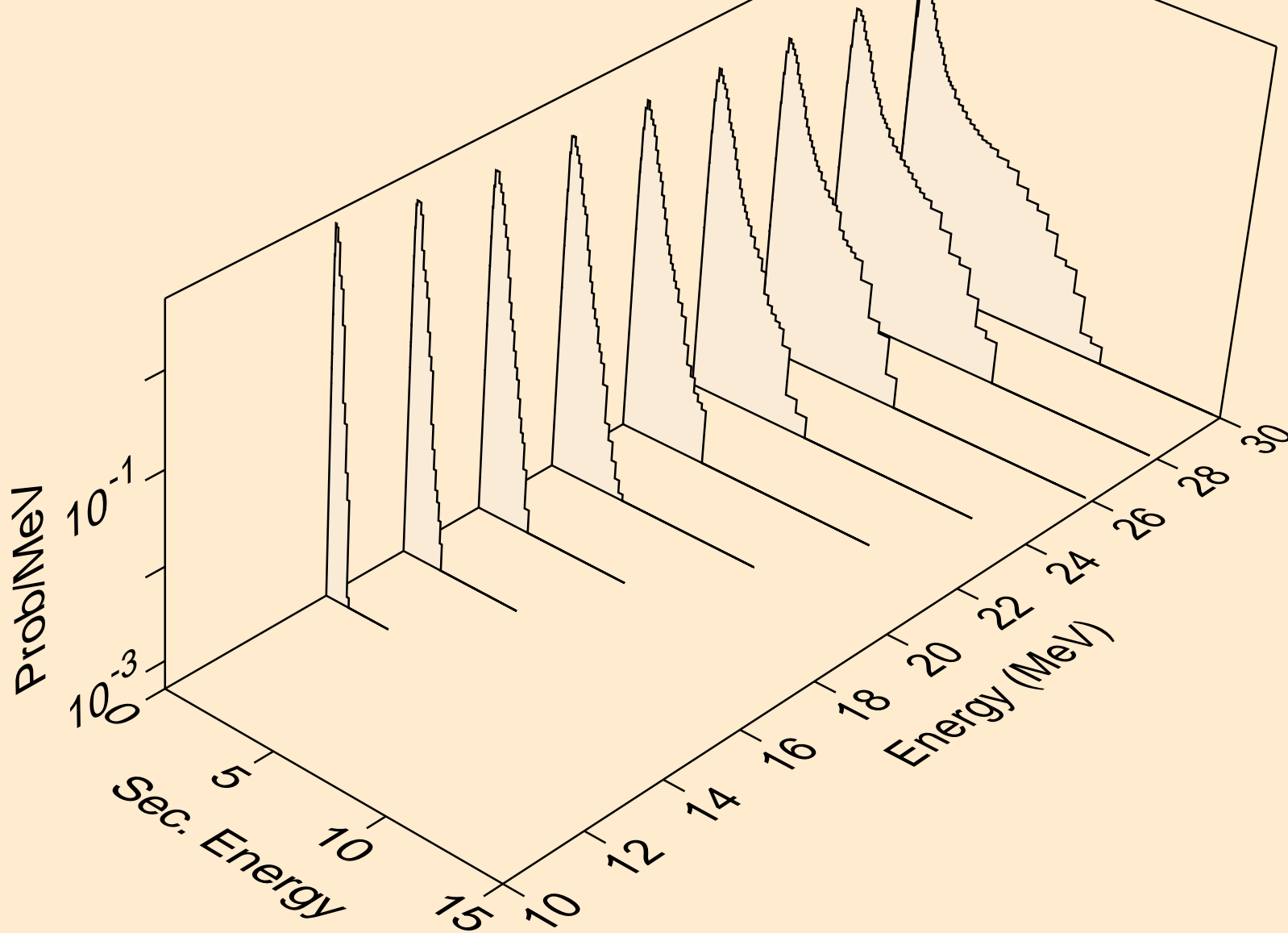


ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,4n)

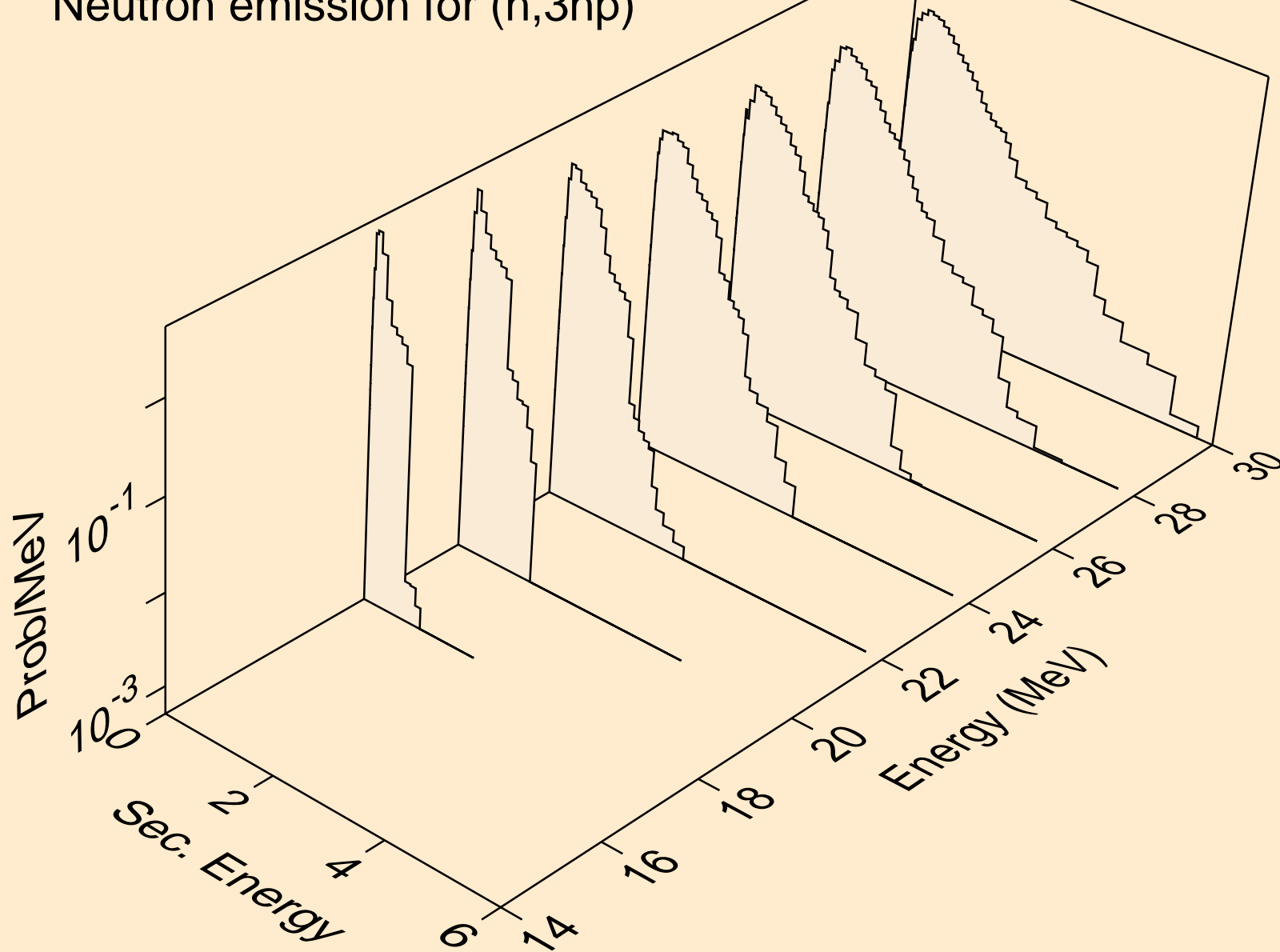




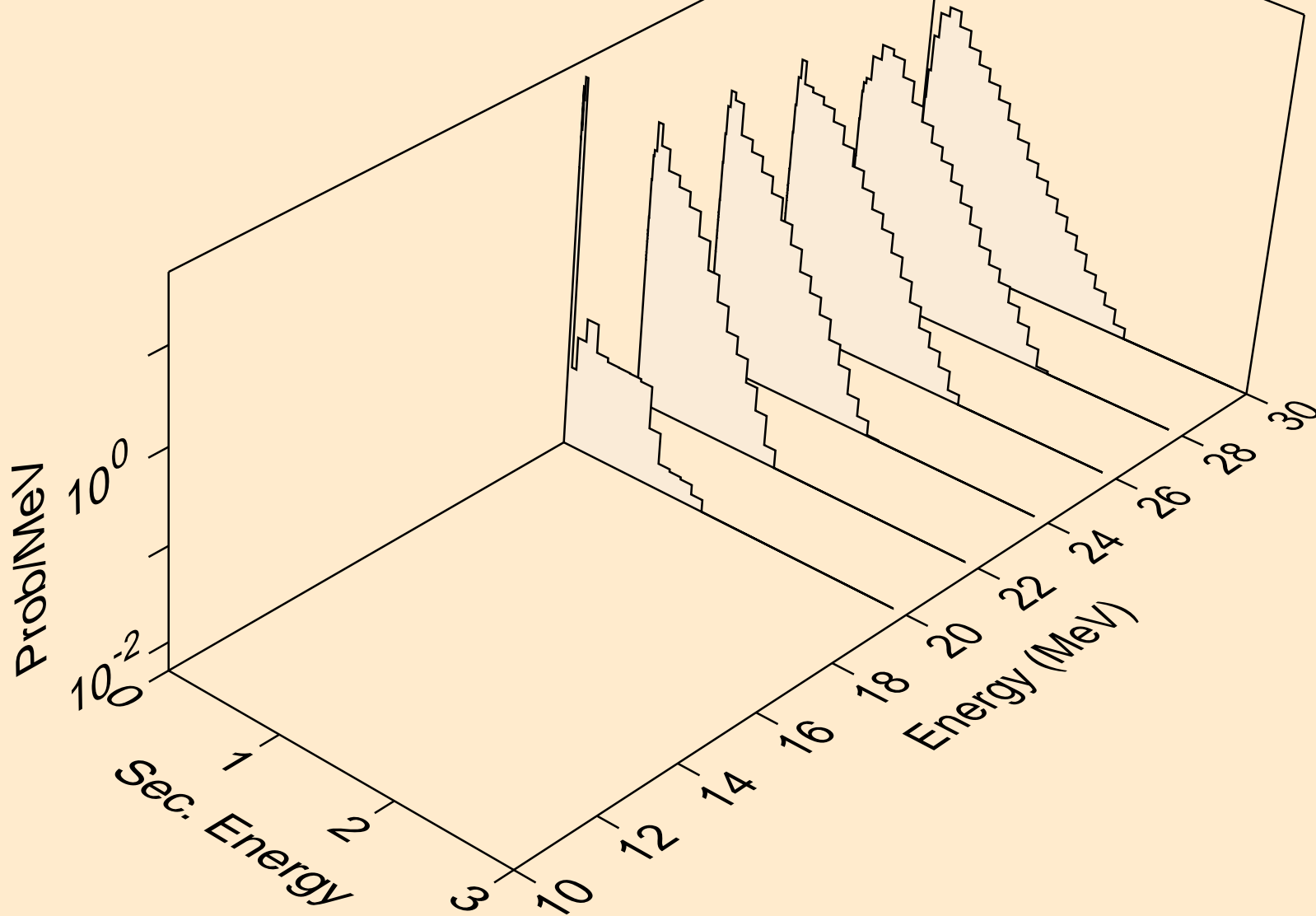
ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2np)



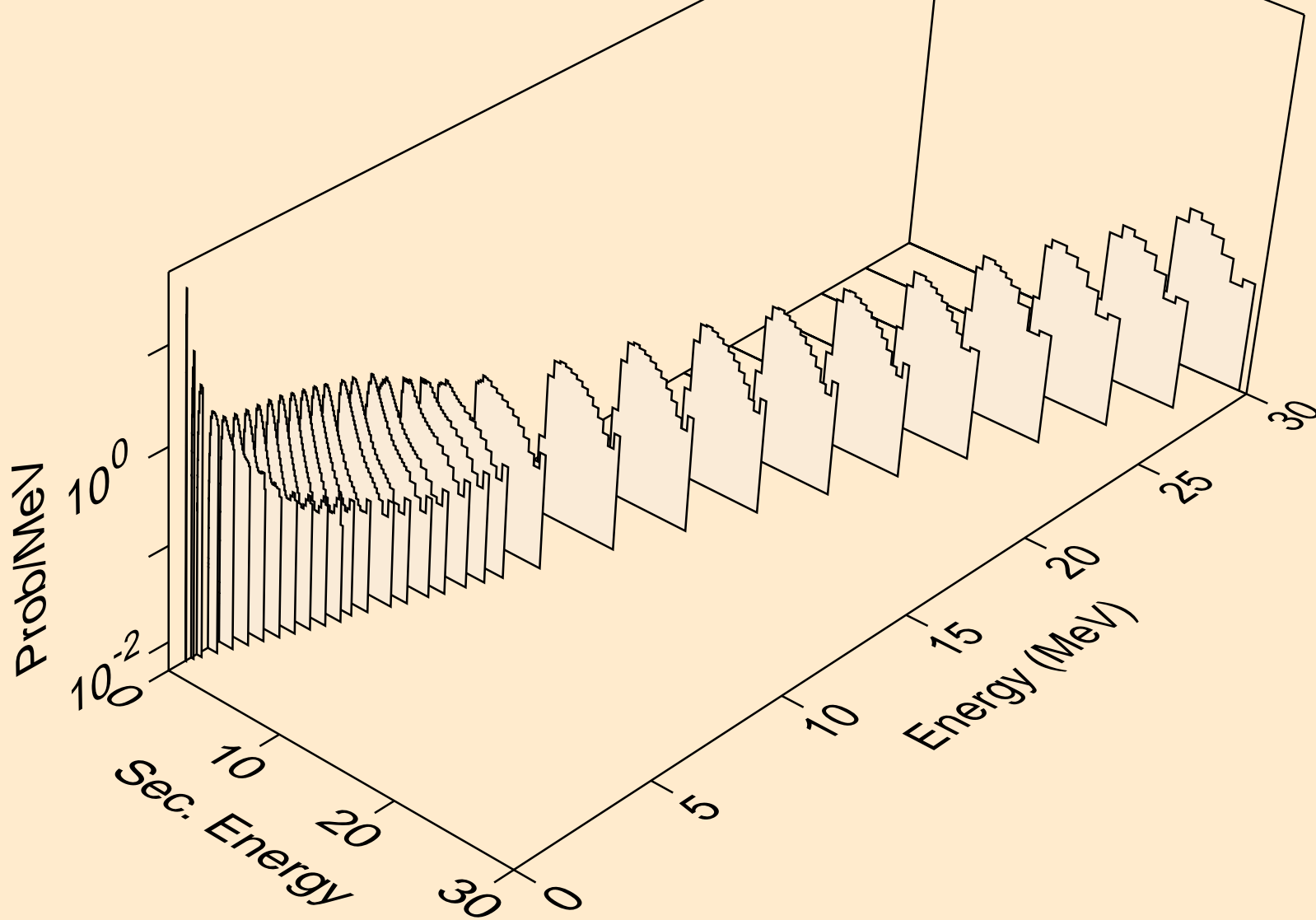
ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3np)



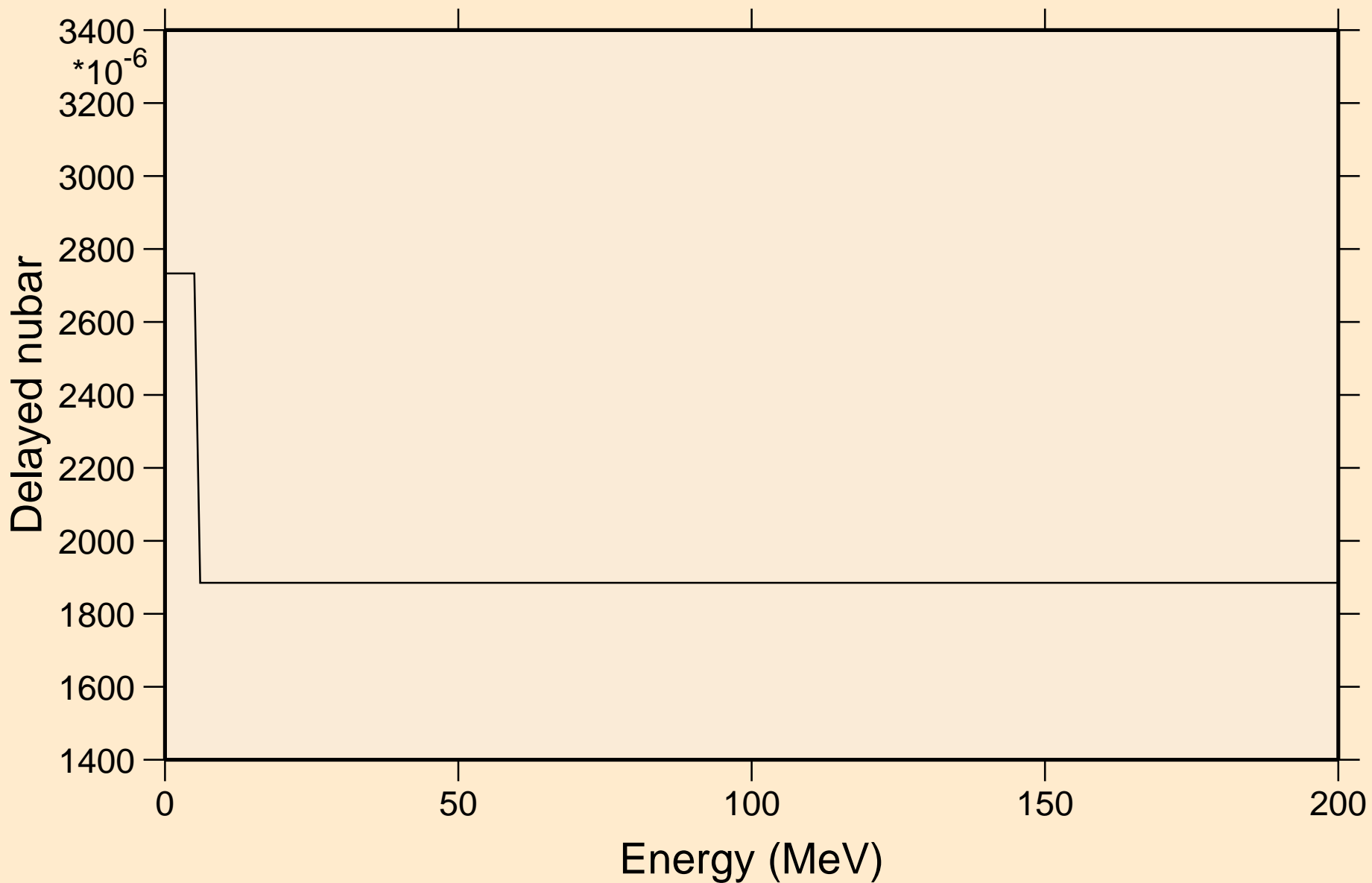
ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2np)



ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*c)

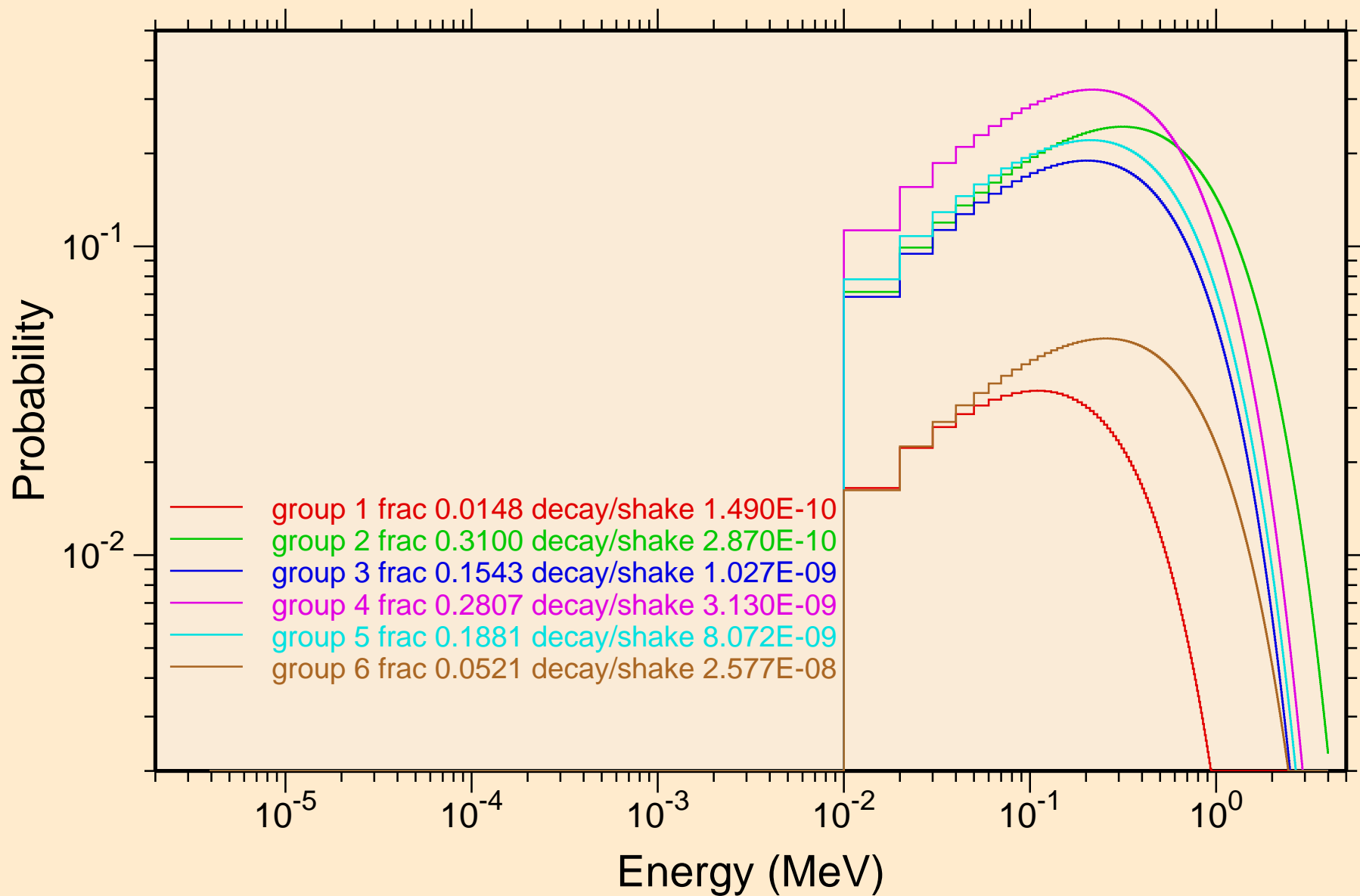


ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Delayed nubar

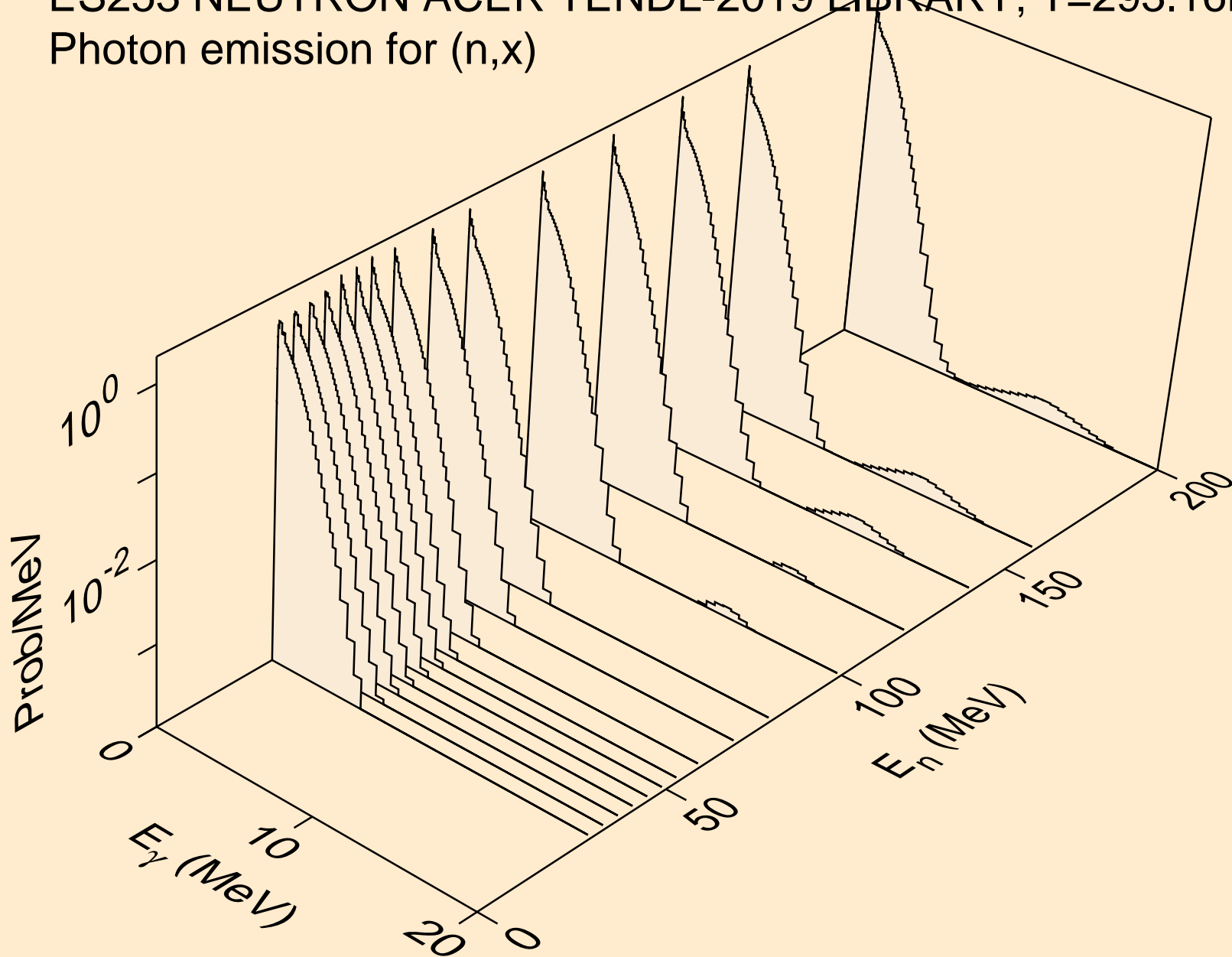


# ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

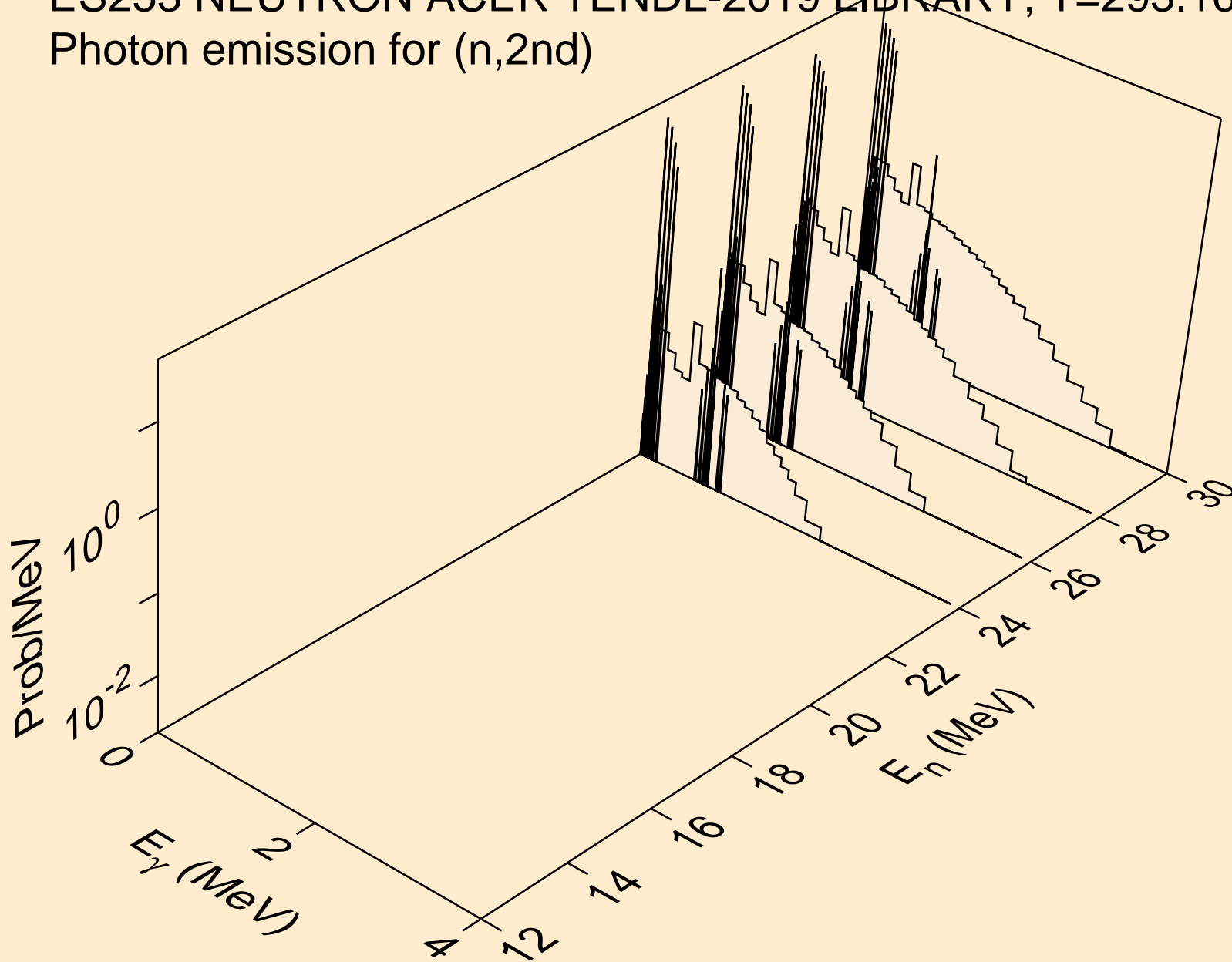
## Delayed neutron spectra



ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,x)

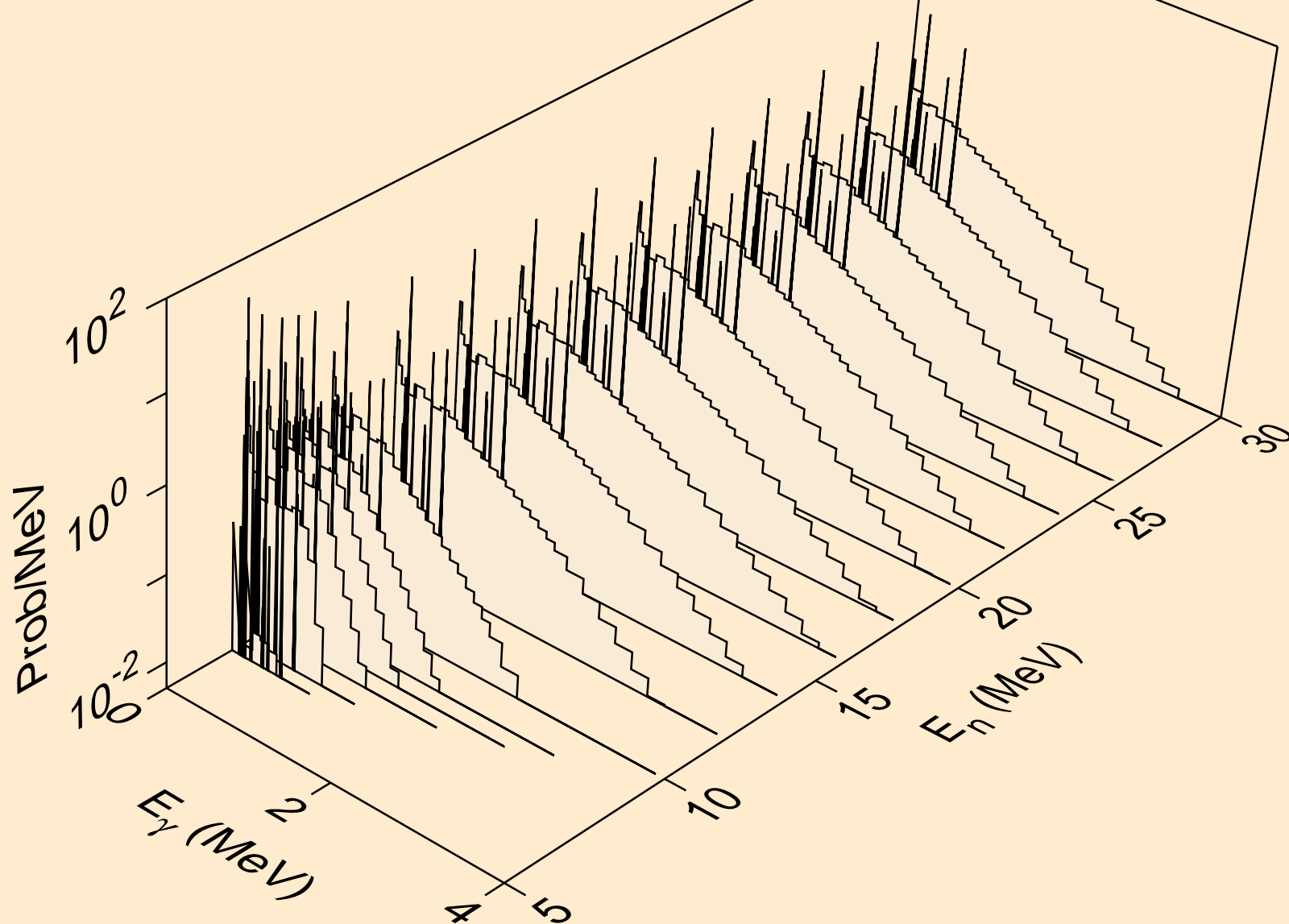


ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2nd)

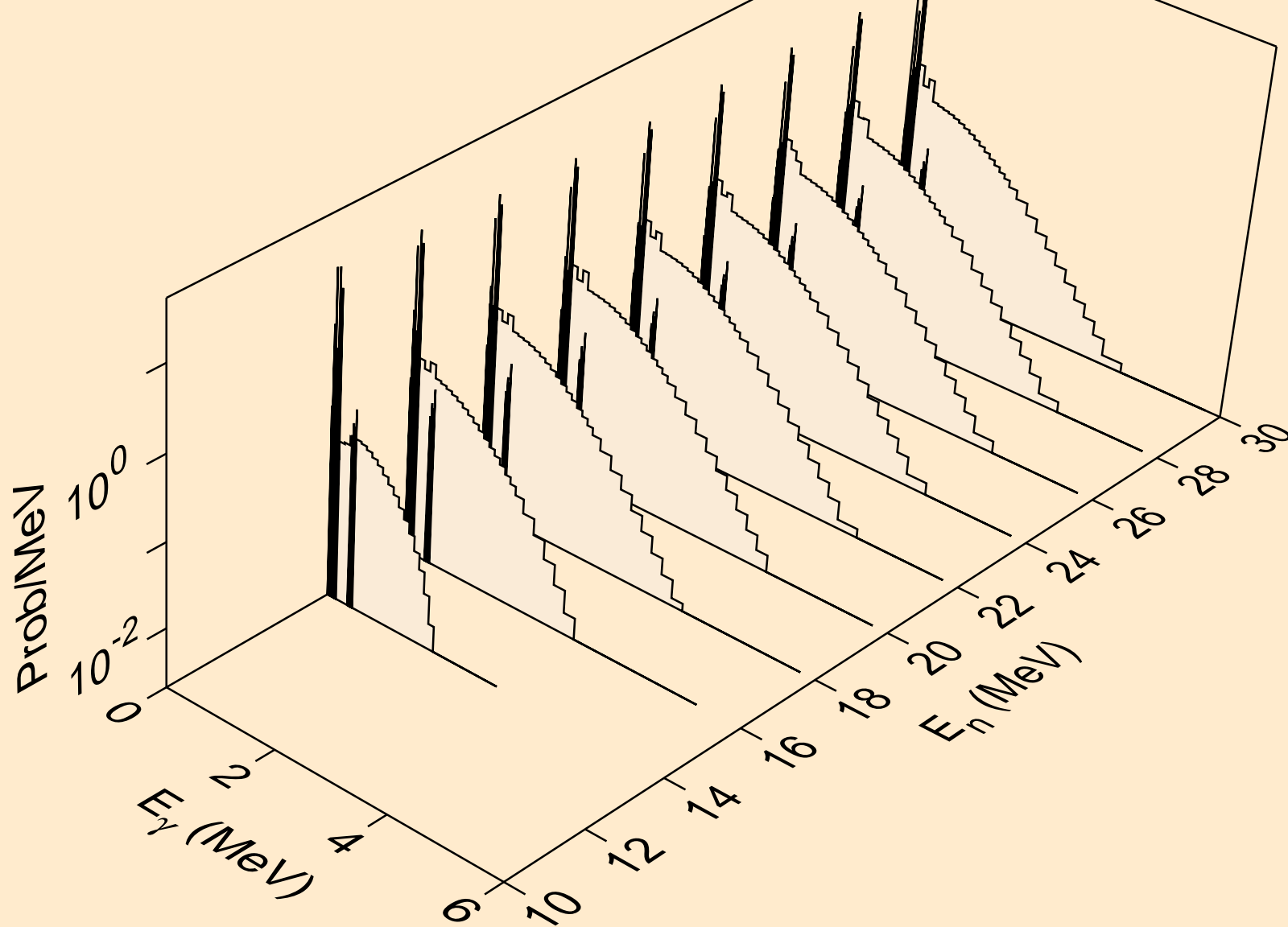




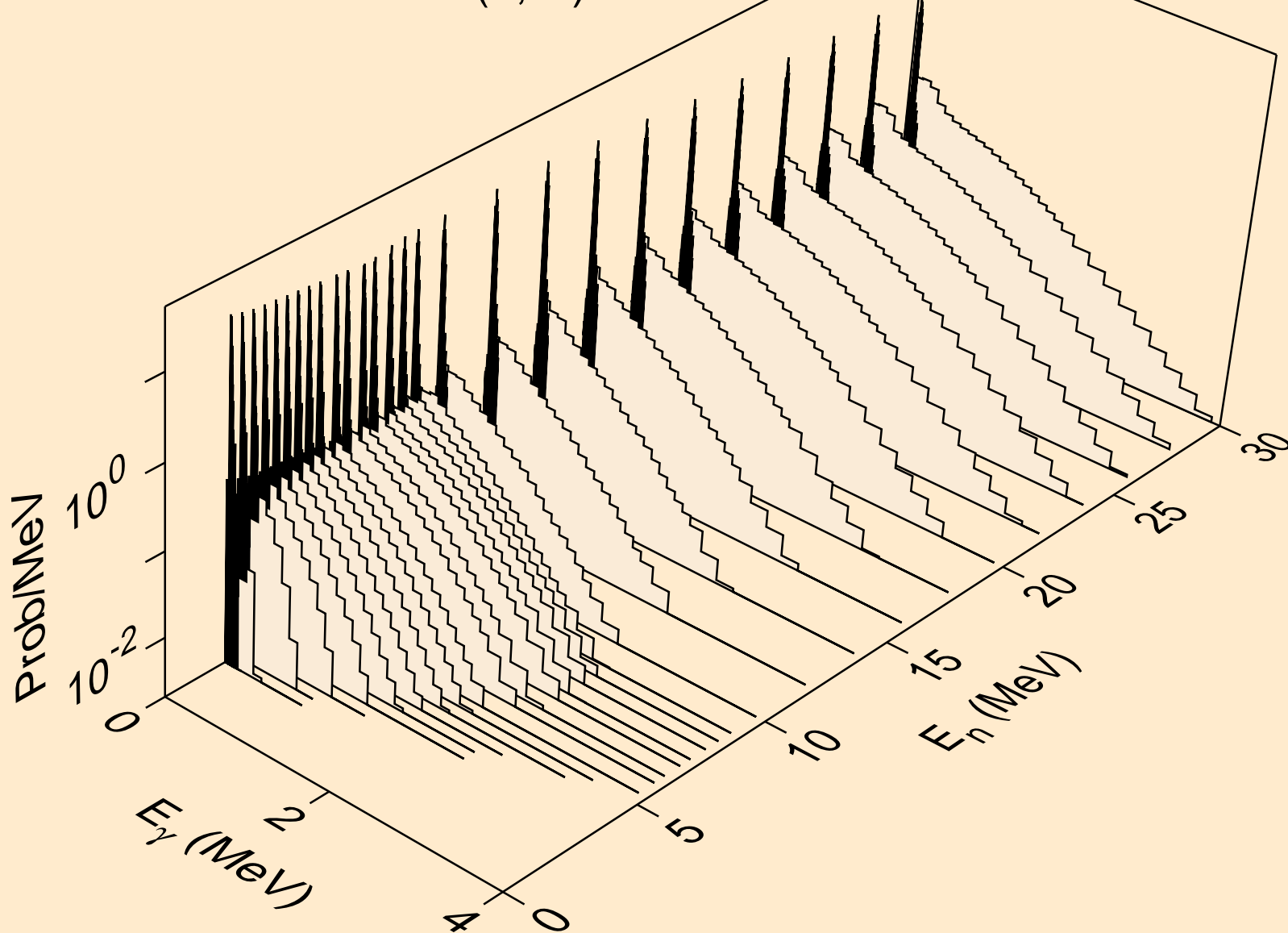
ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n)



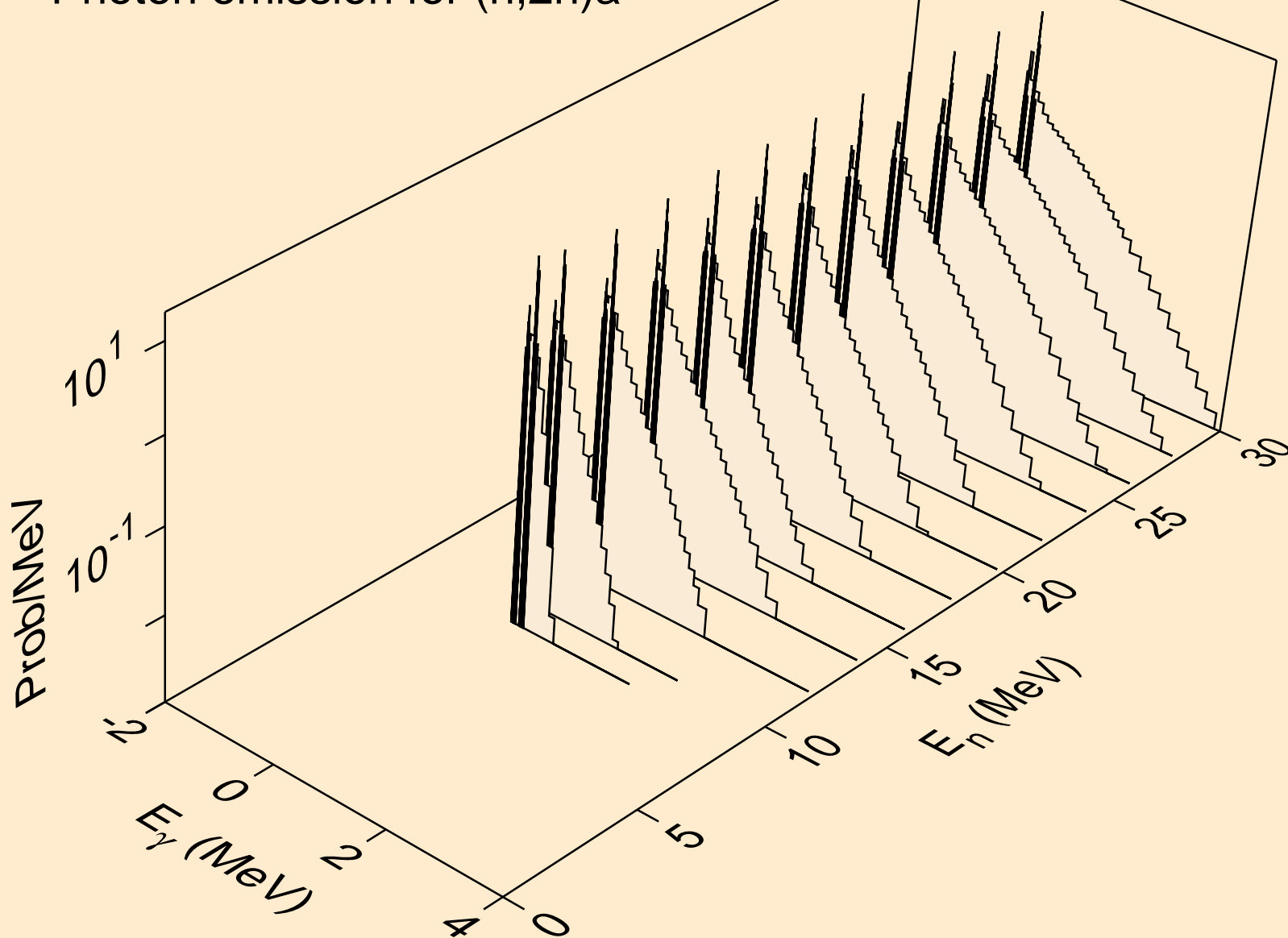
ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3n)



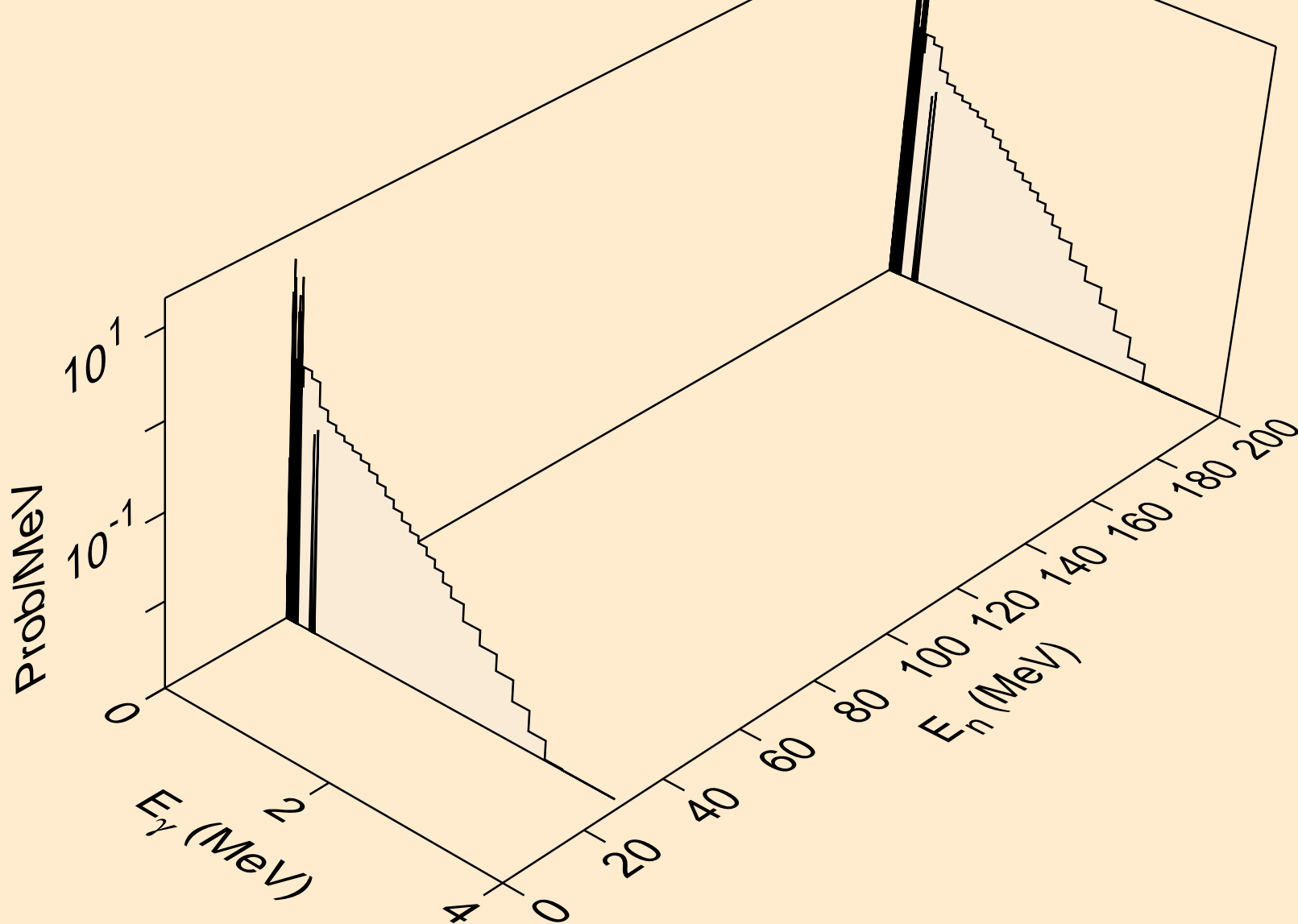
ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)a



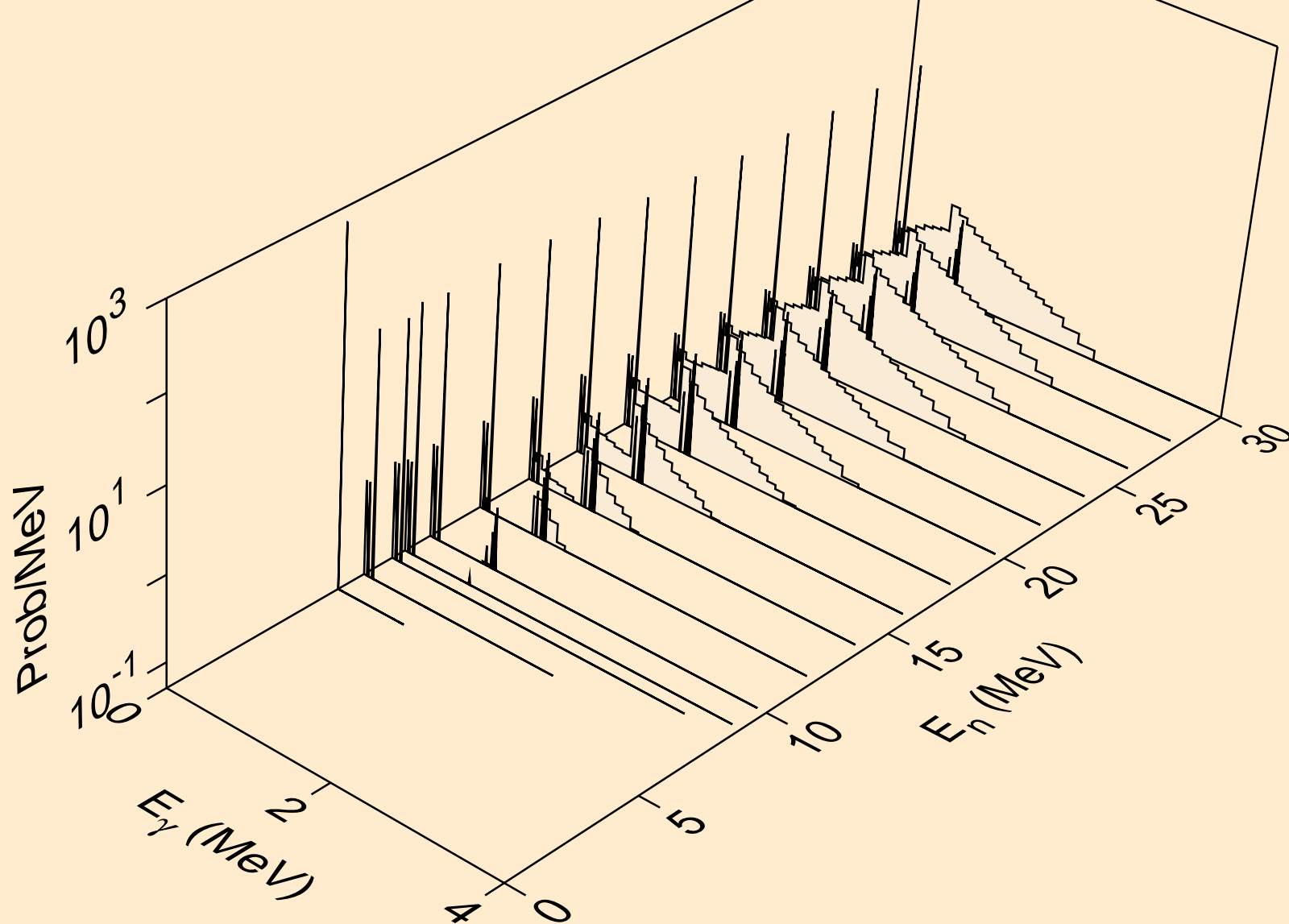
ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n)a



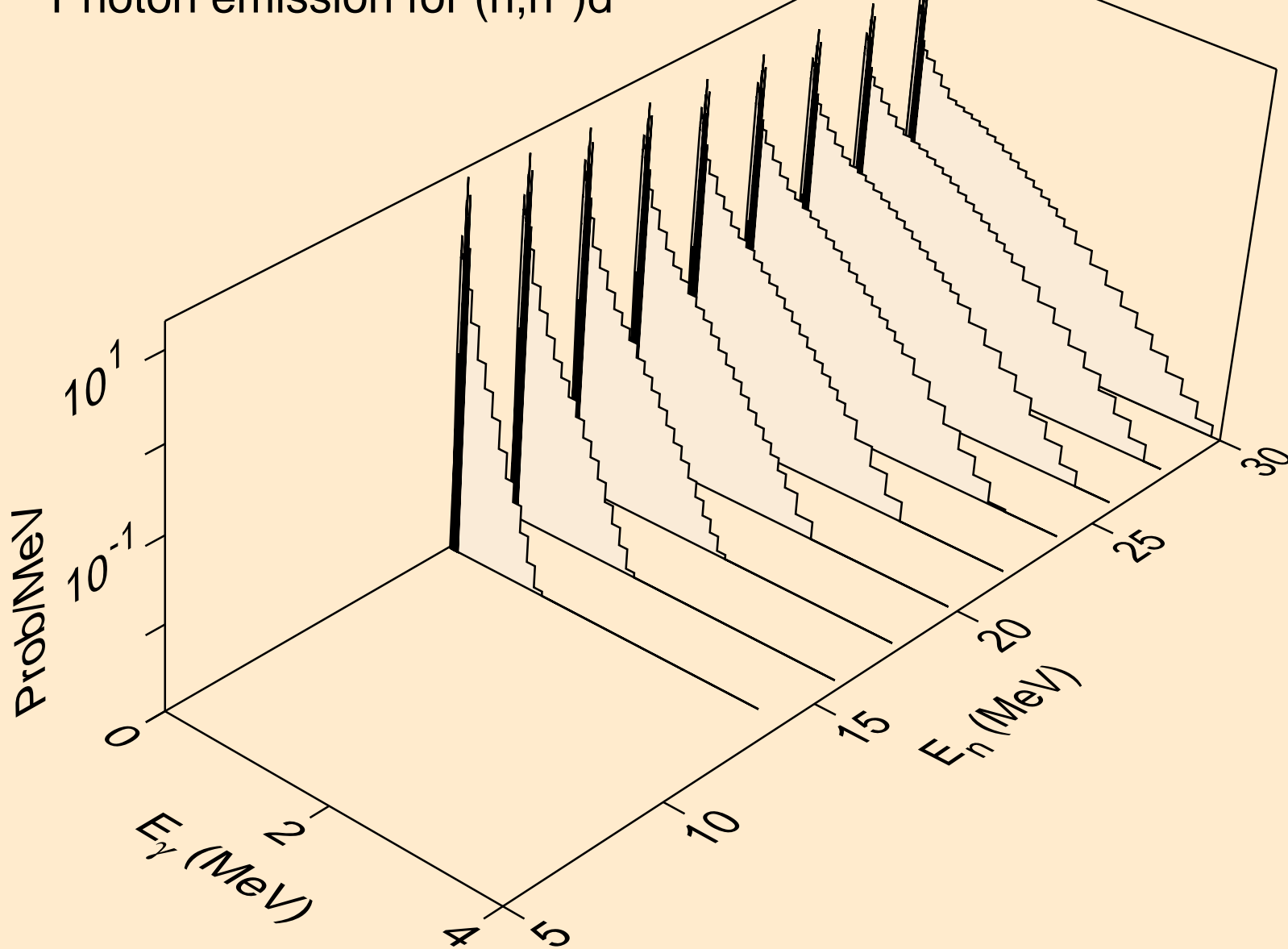
ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3n)a



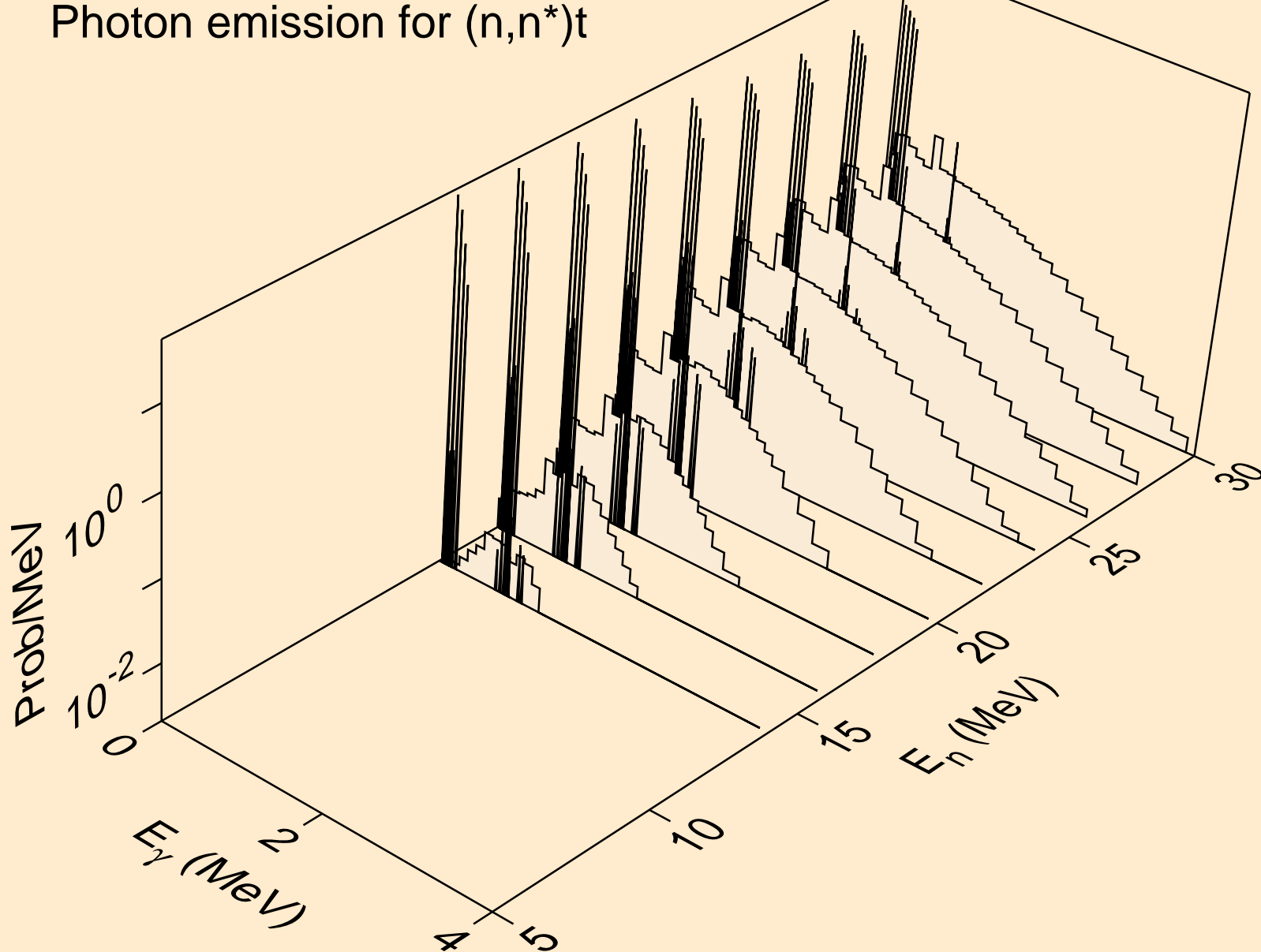
ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)p



ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)d

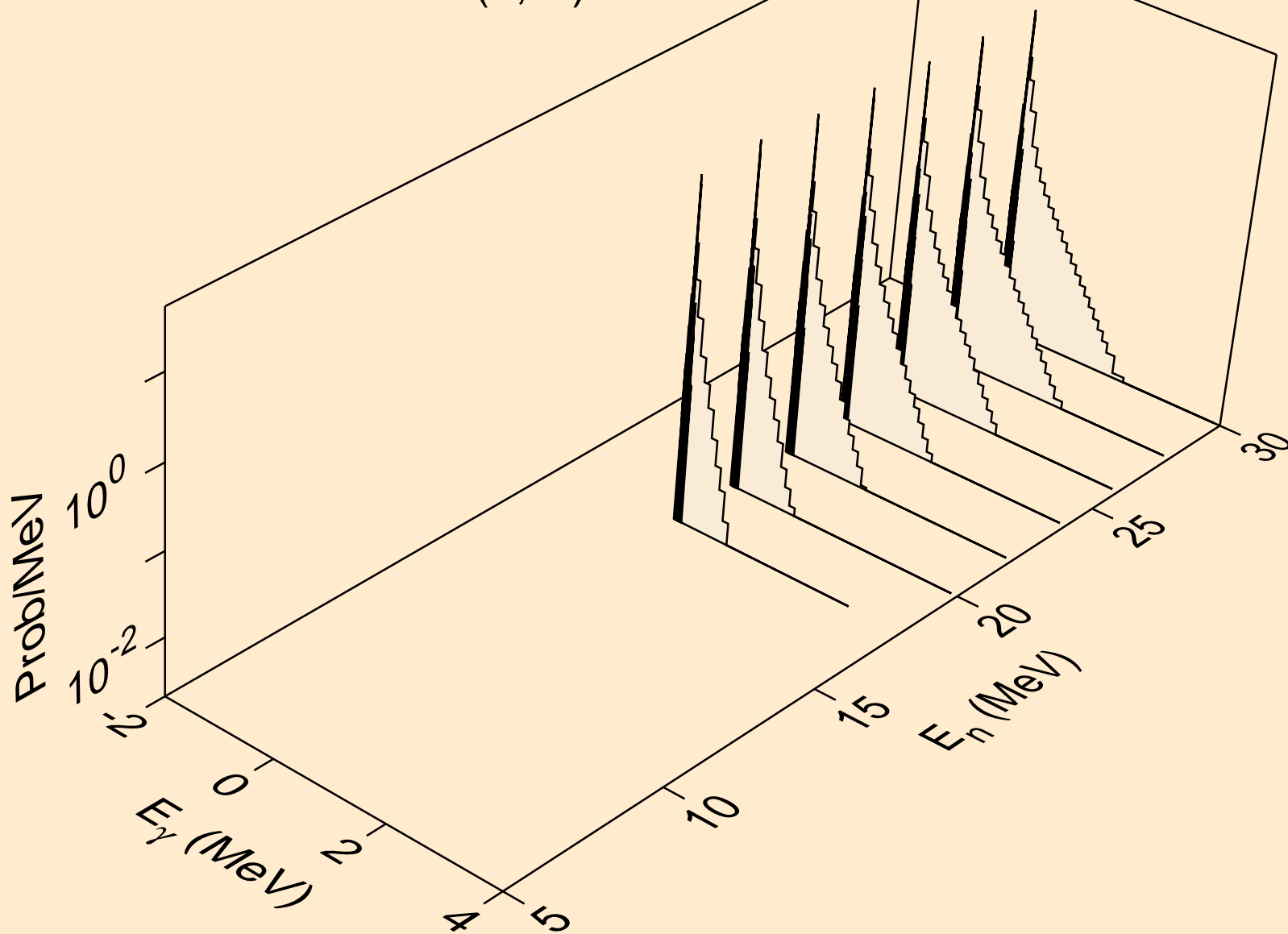


ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)t

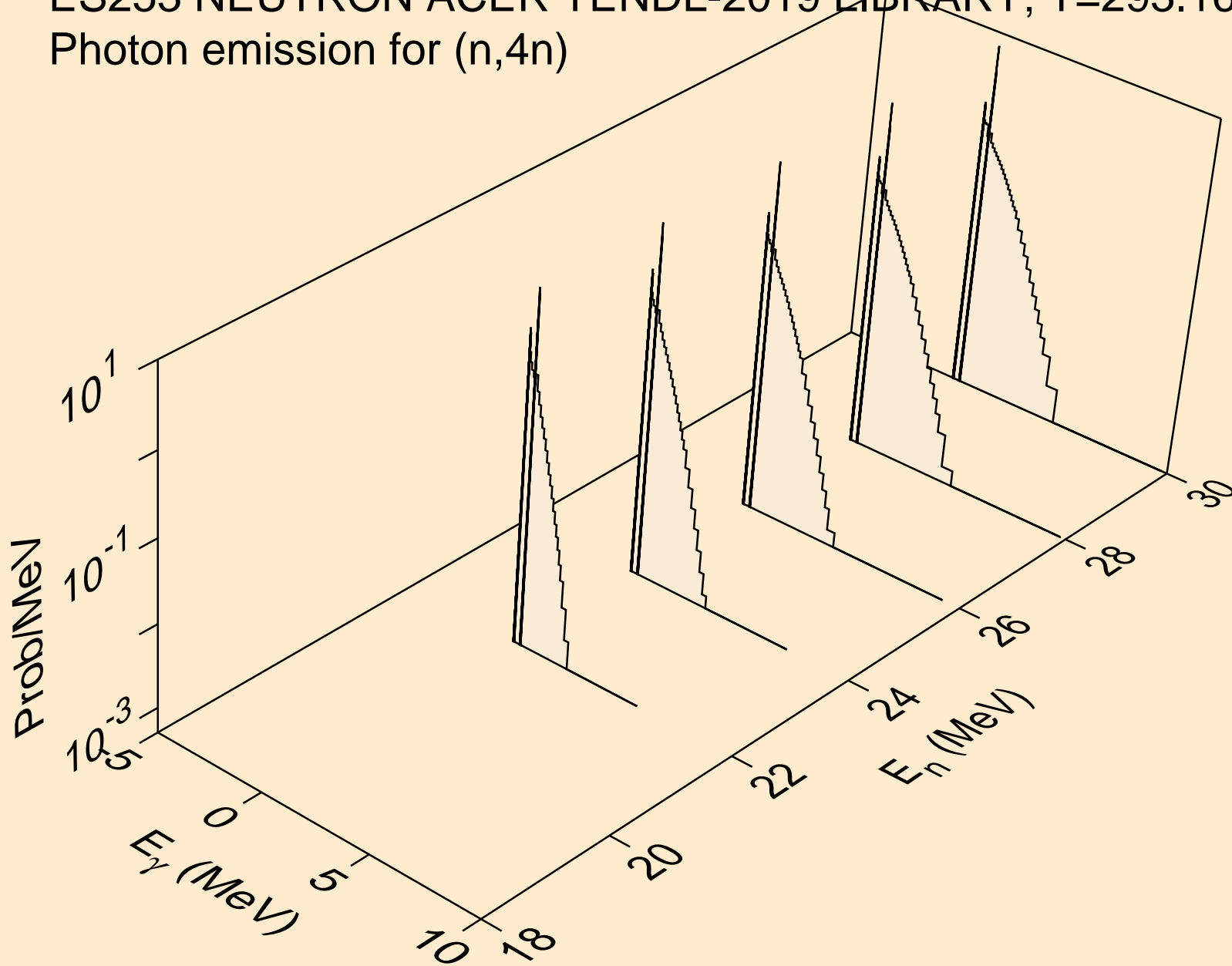




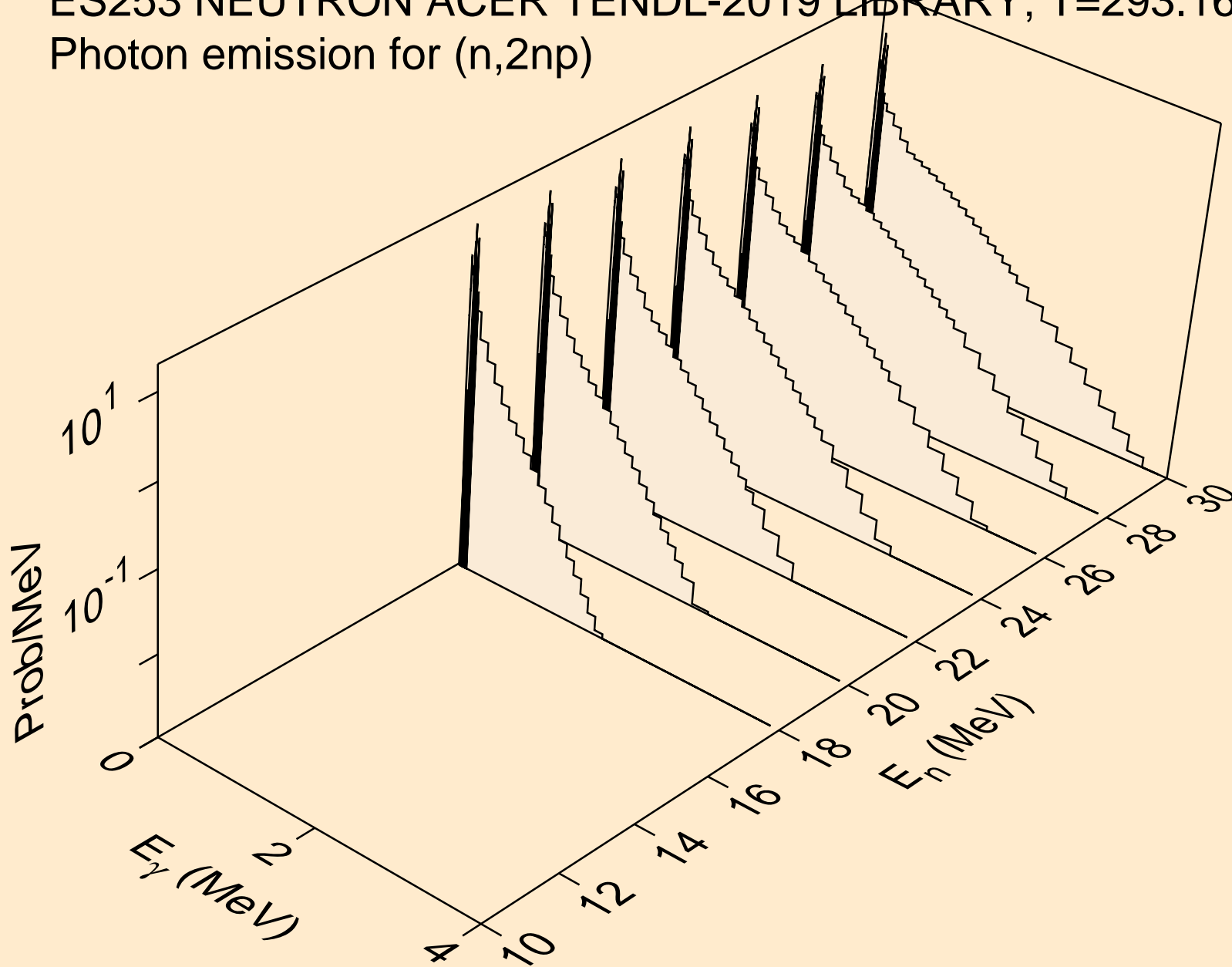
ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)he3



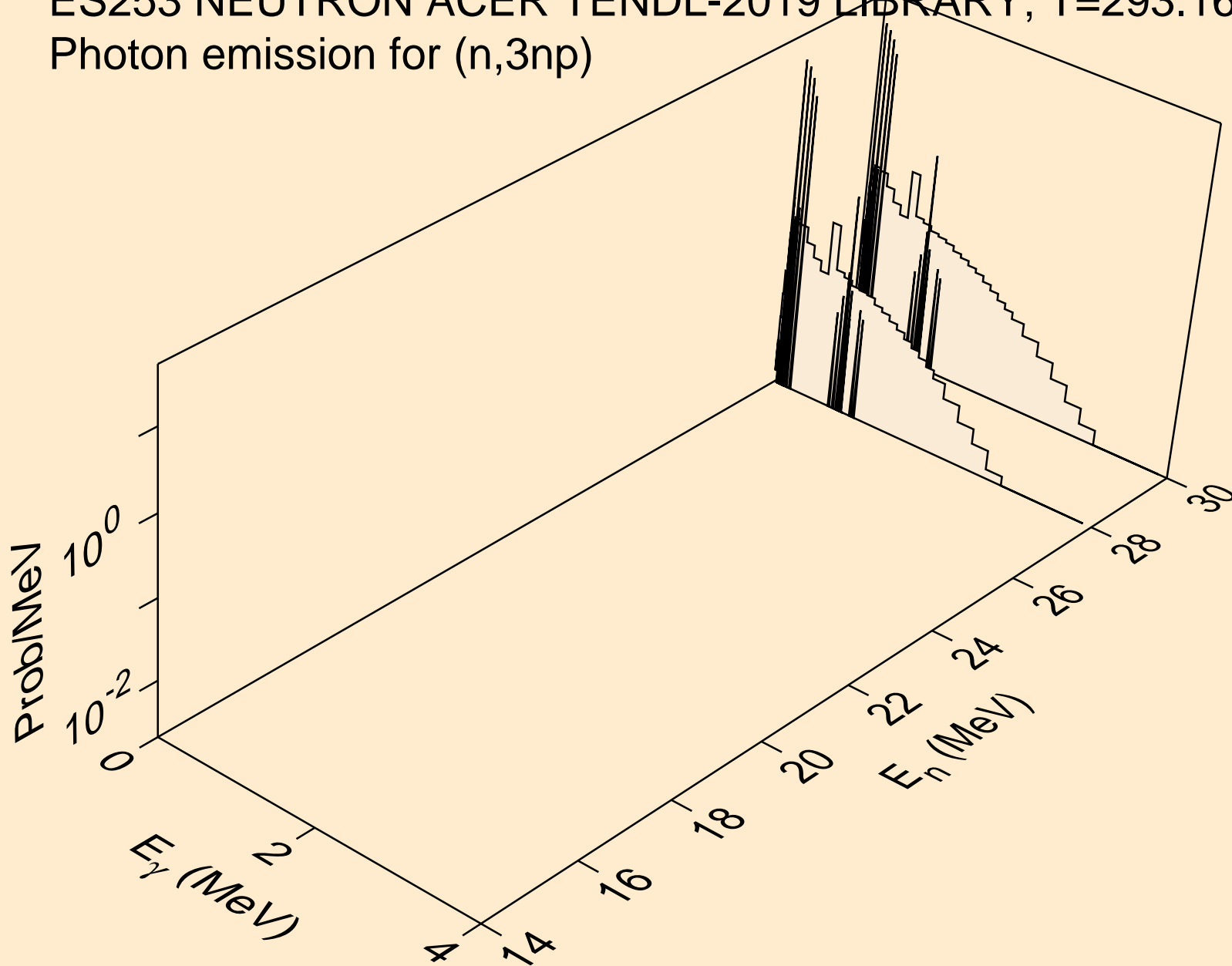
ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,4n)



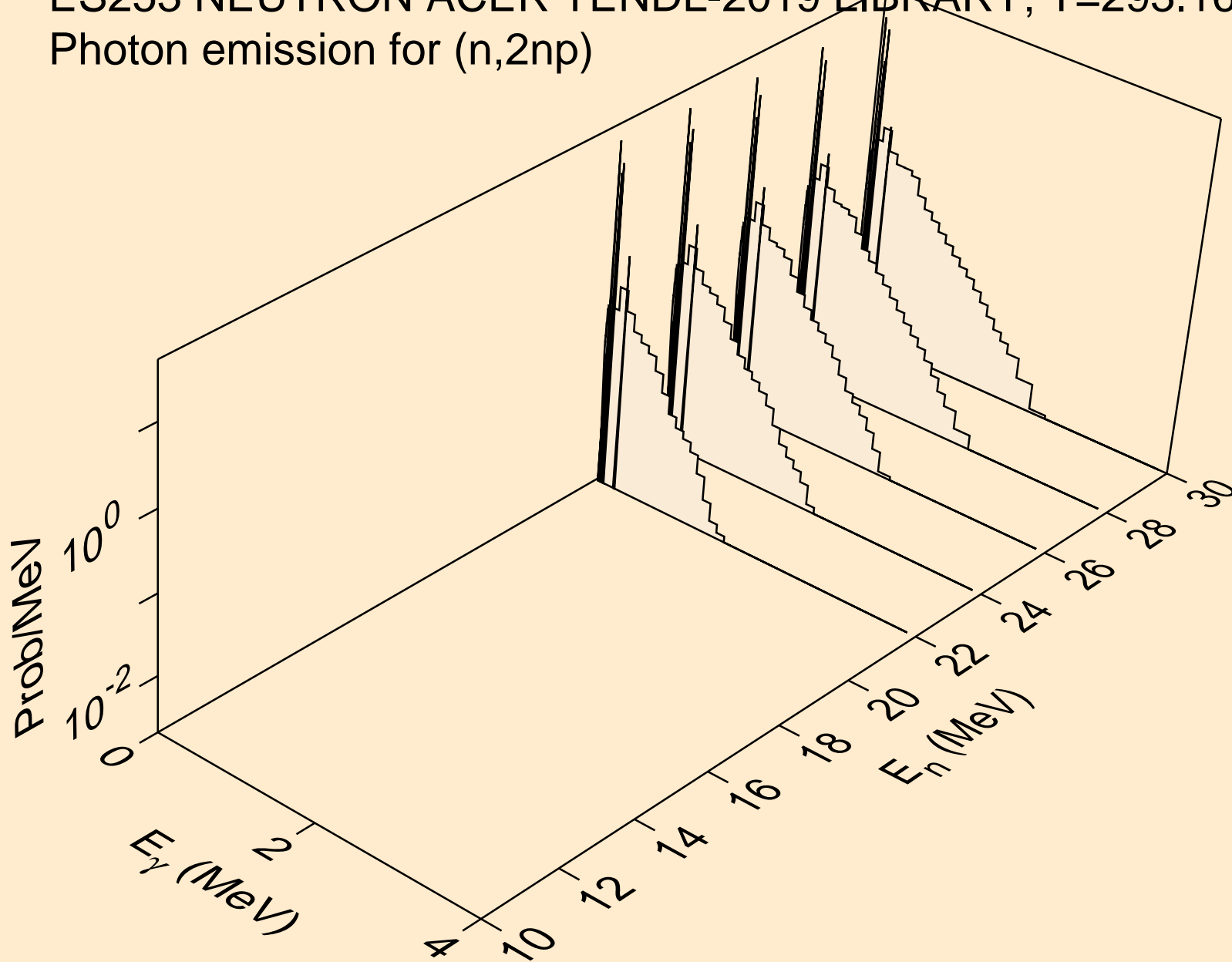
ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2np)



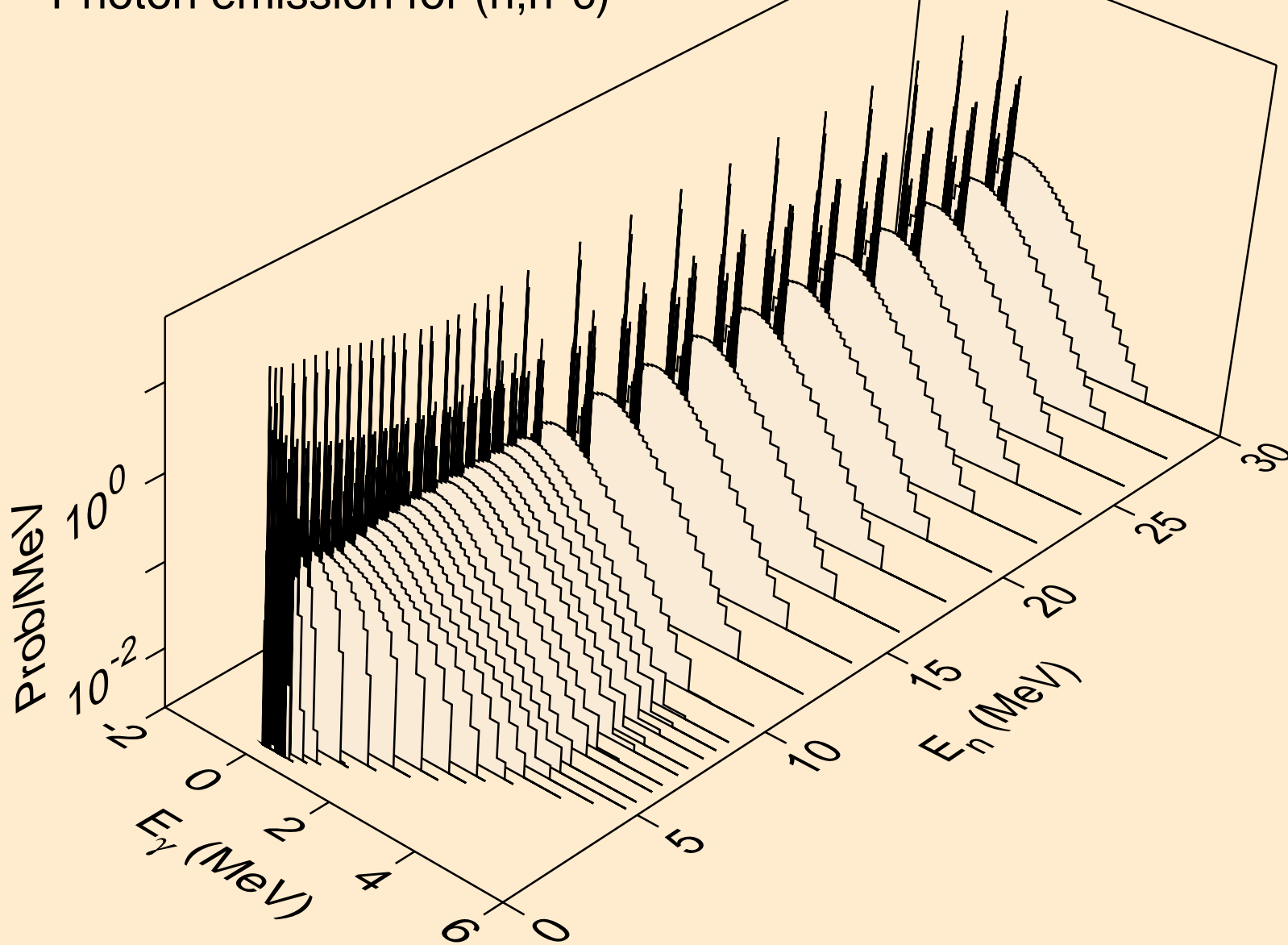
ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3np)



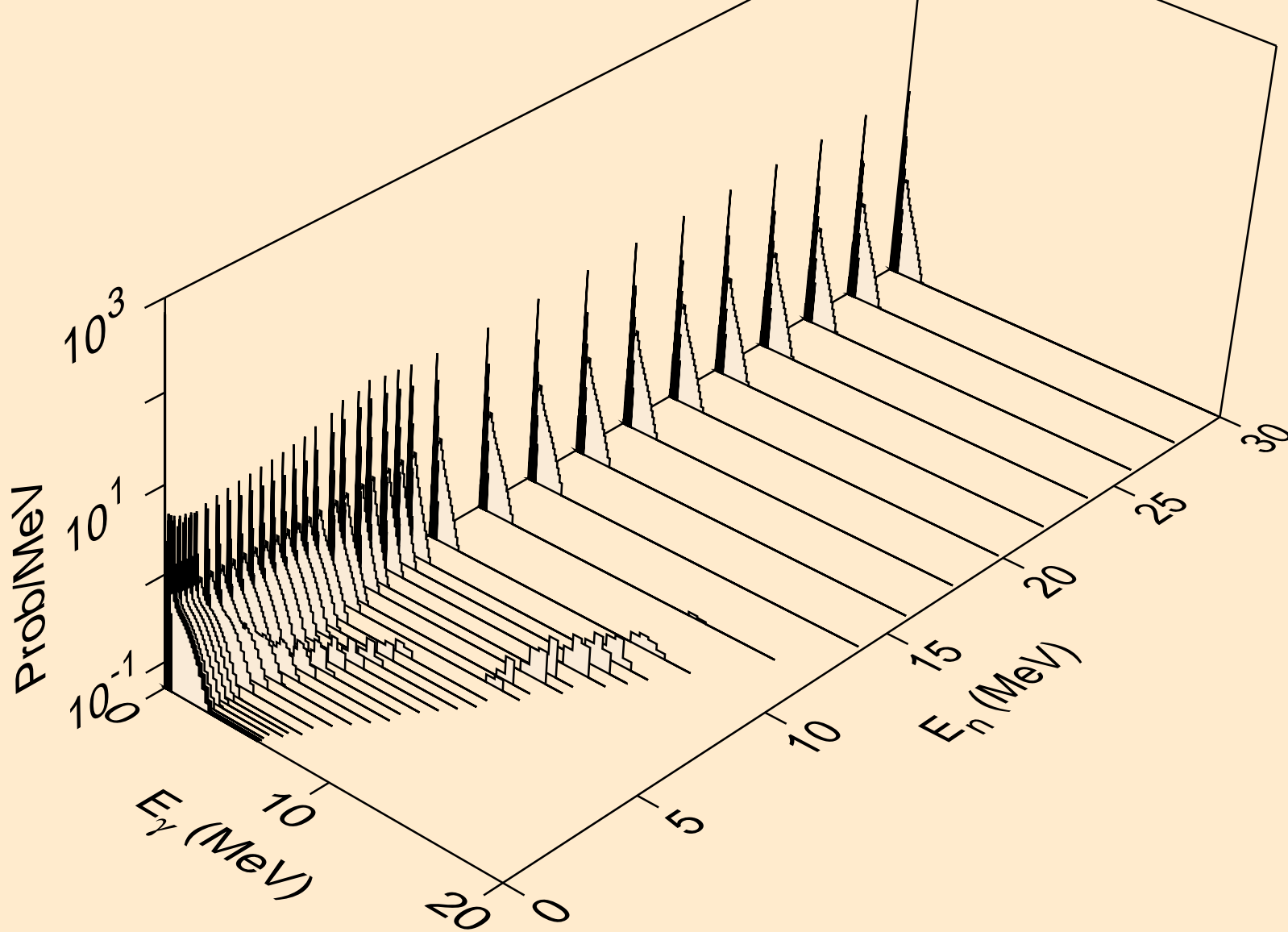
ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2np)



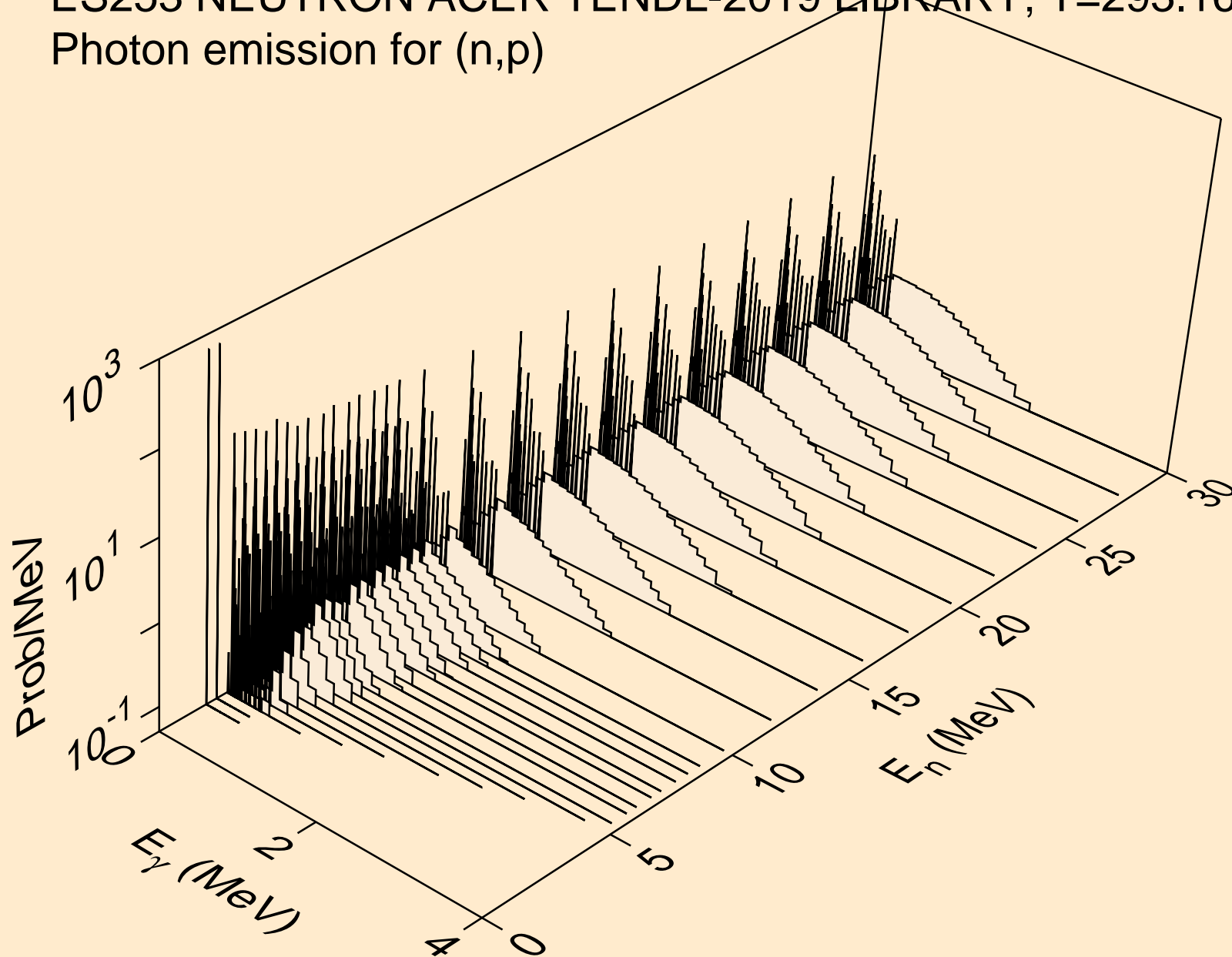
ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*c)



ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,gma)

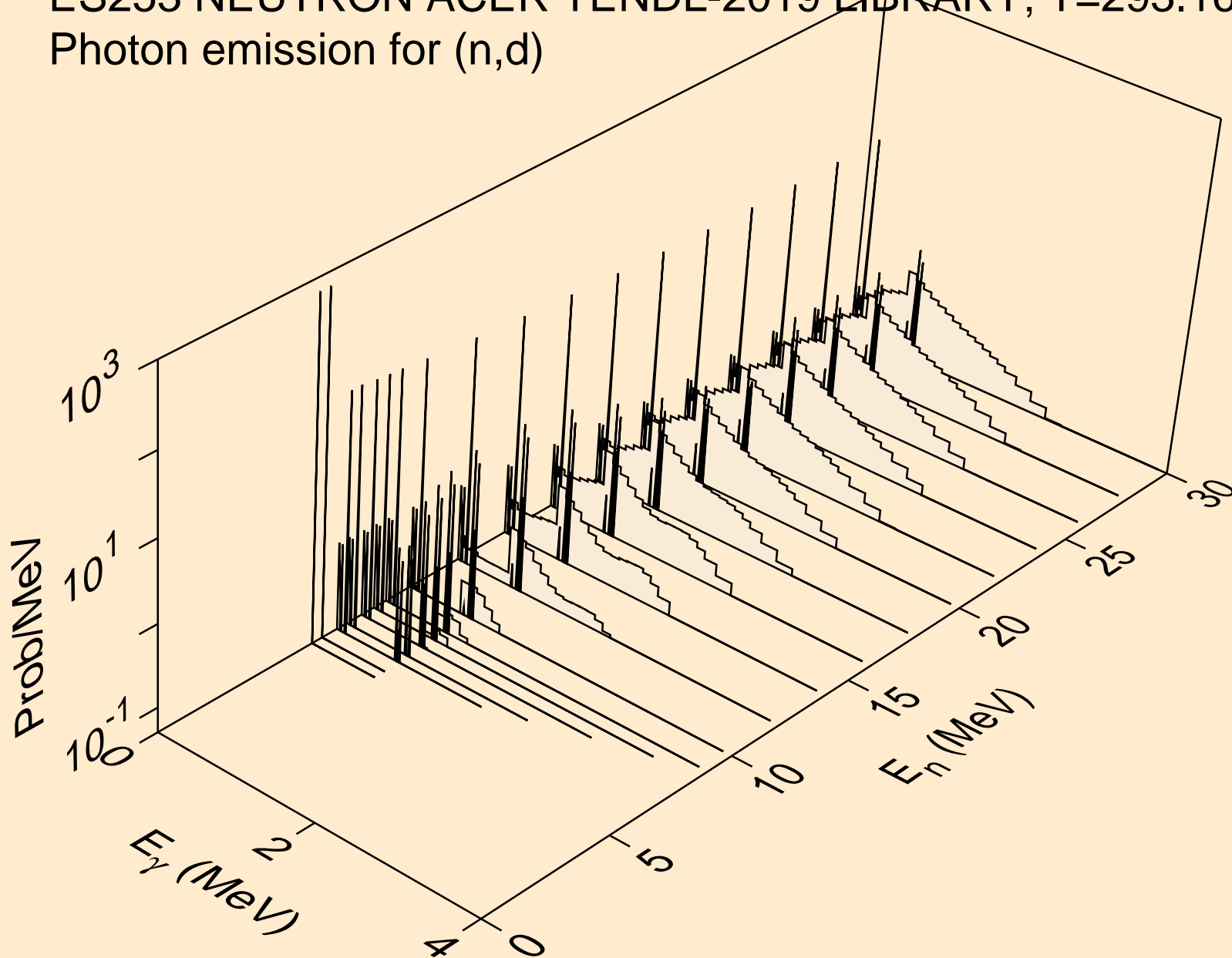


ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,p)

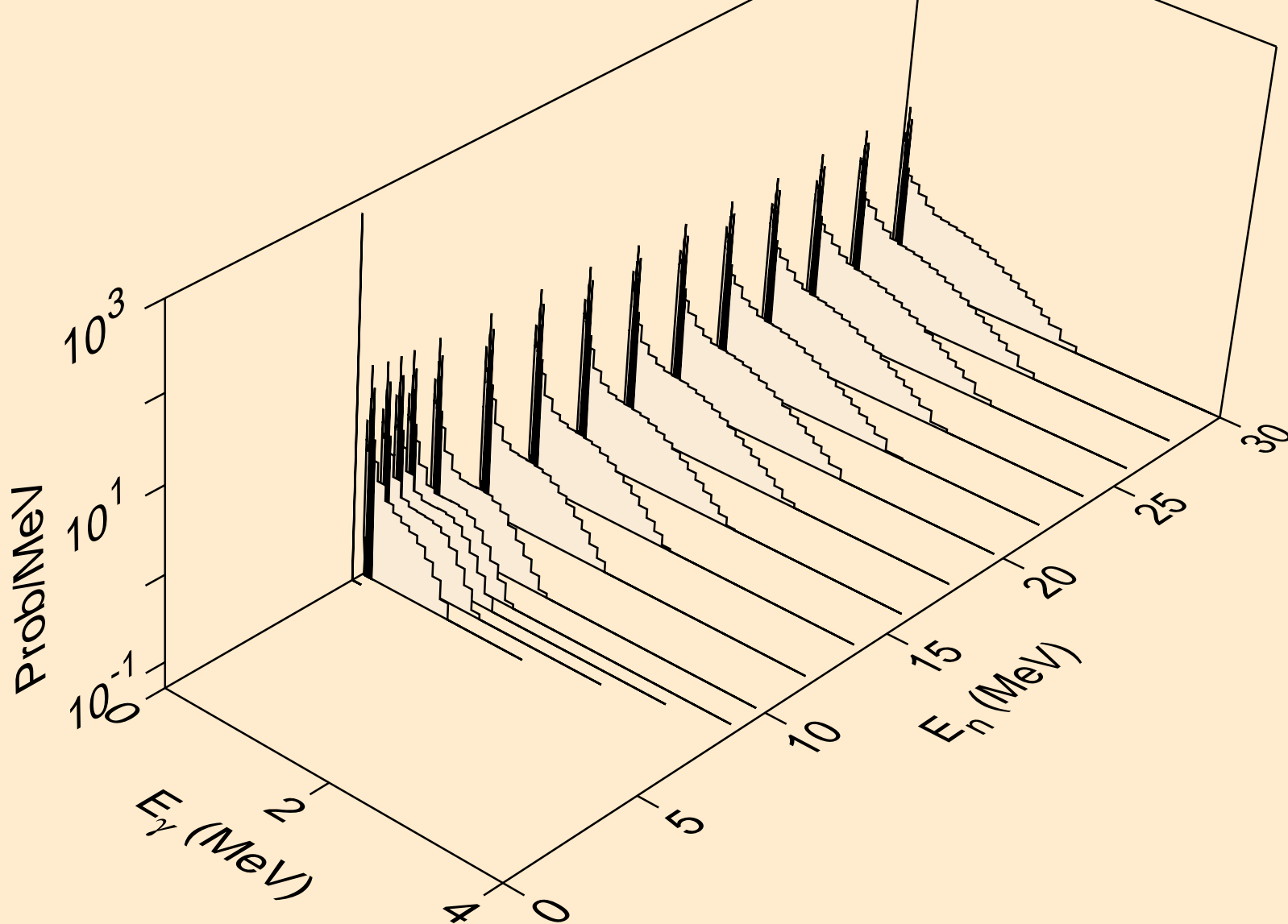




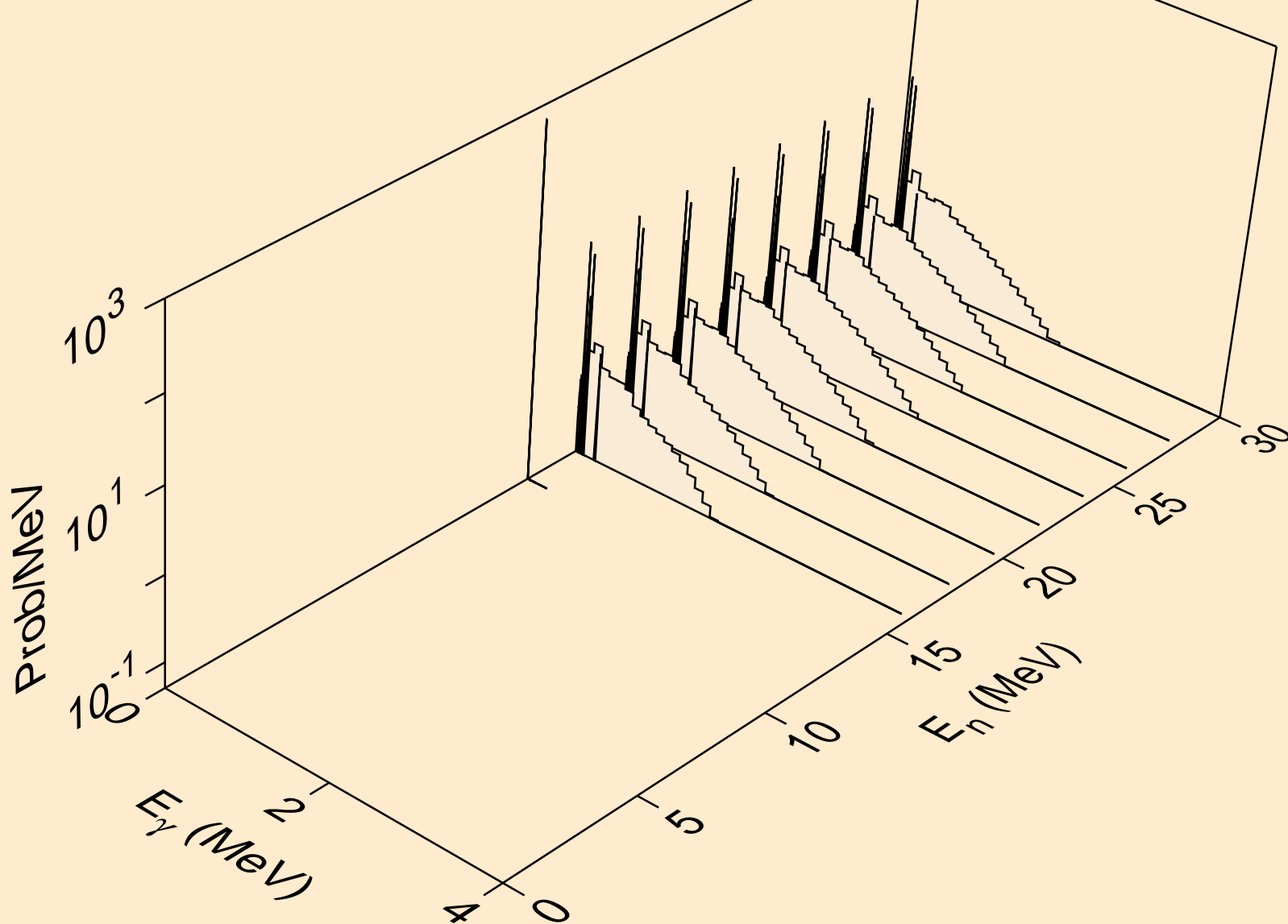
ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,d)



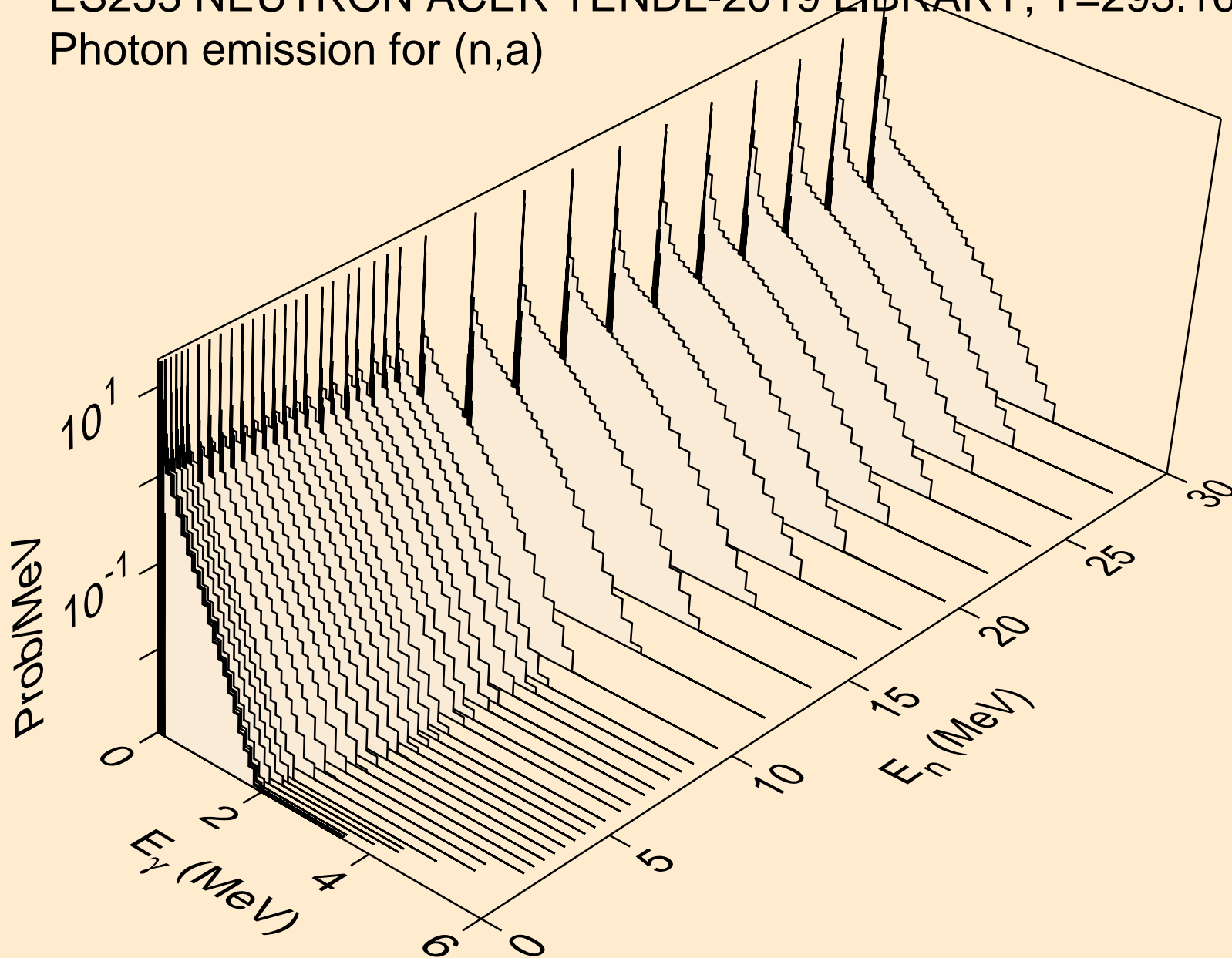
ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,t)



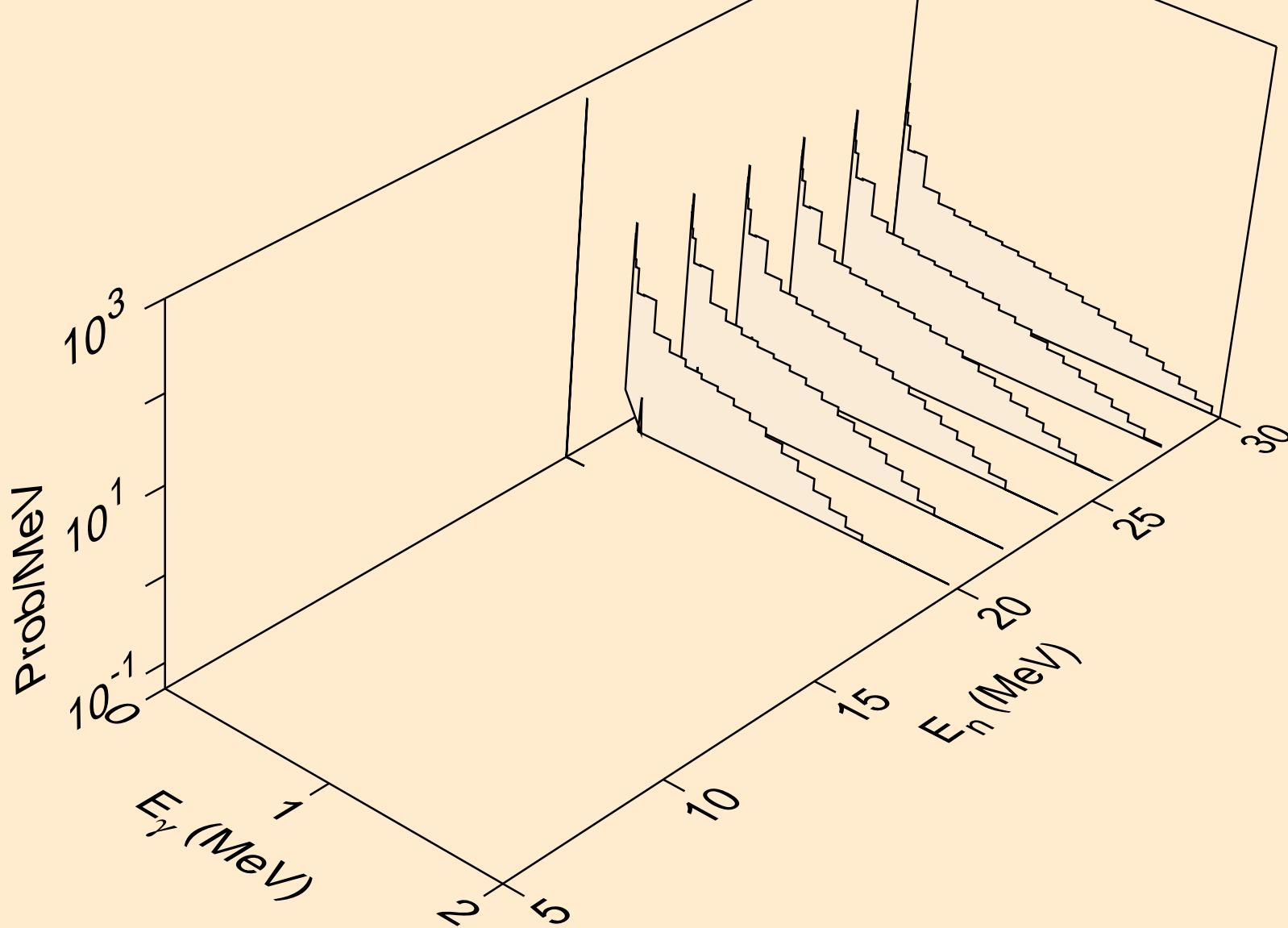
ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,he3)



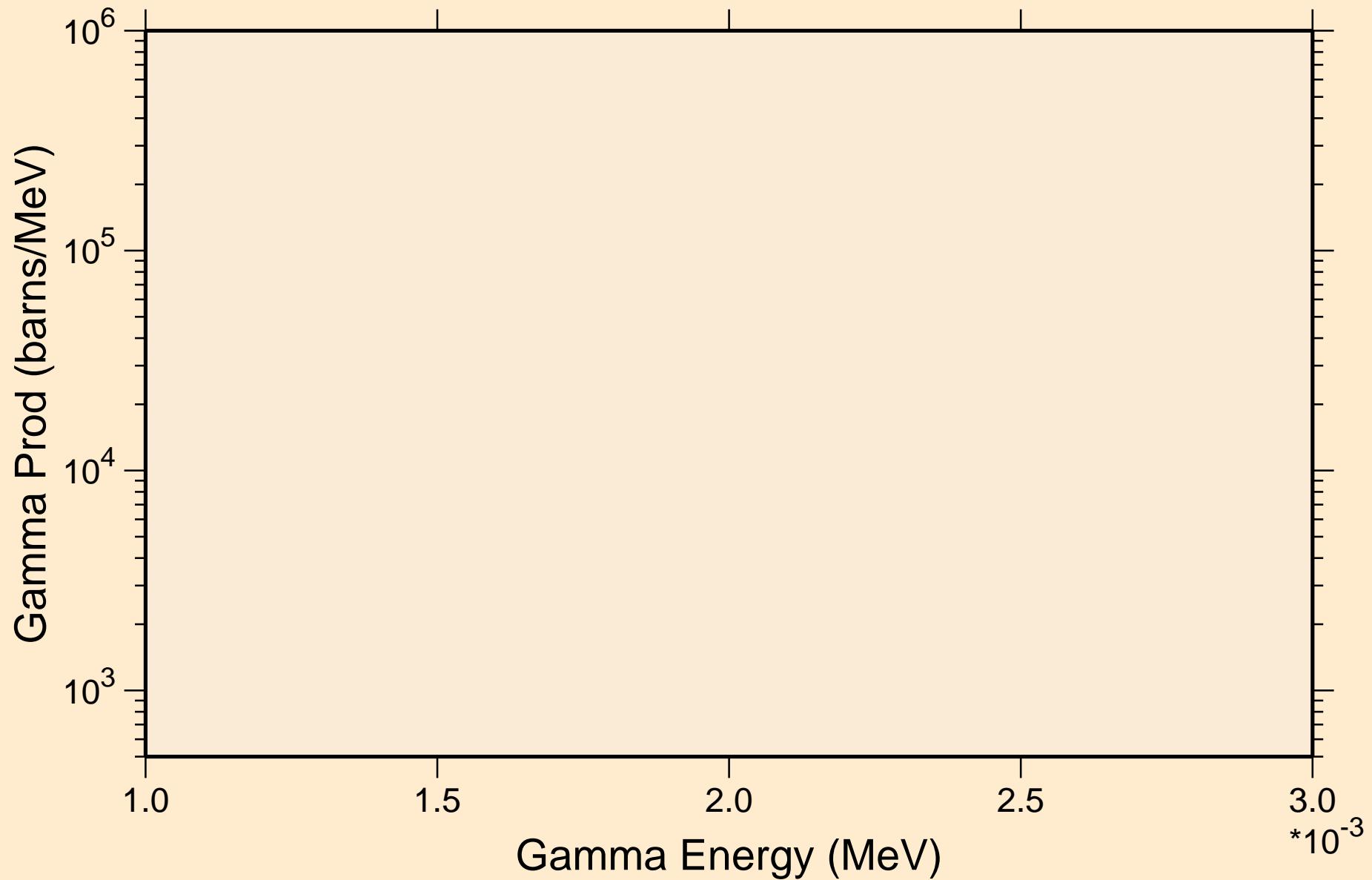
ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,a)



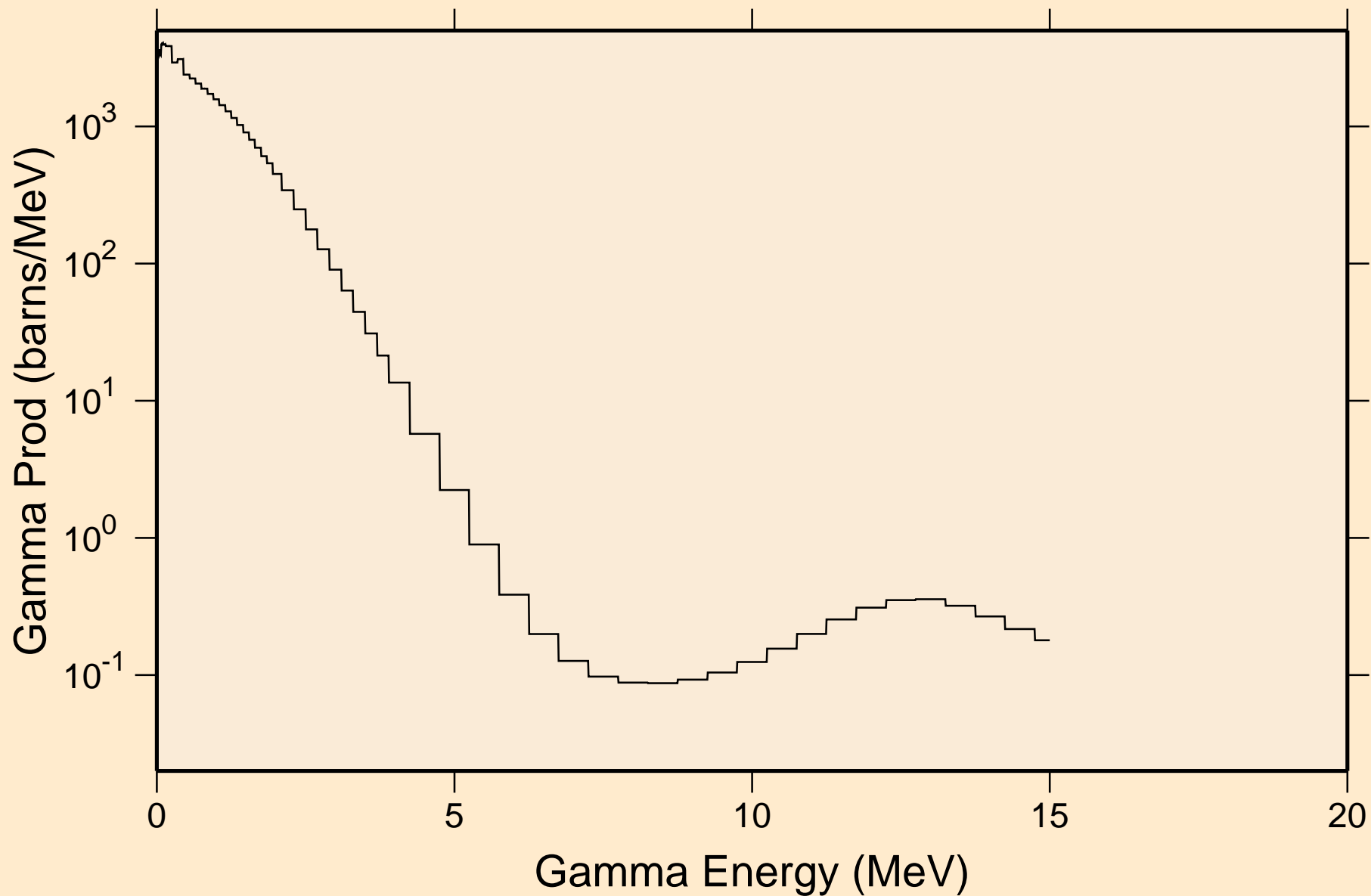
ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2p)



ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
thermal capture photon spectrum

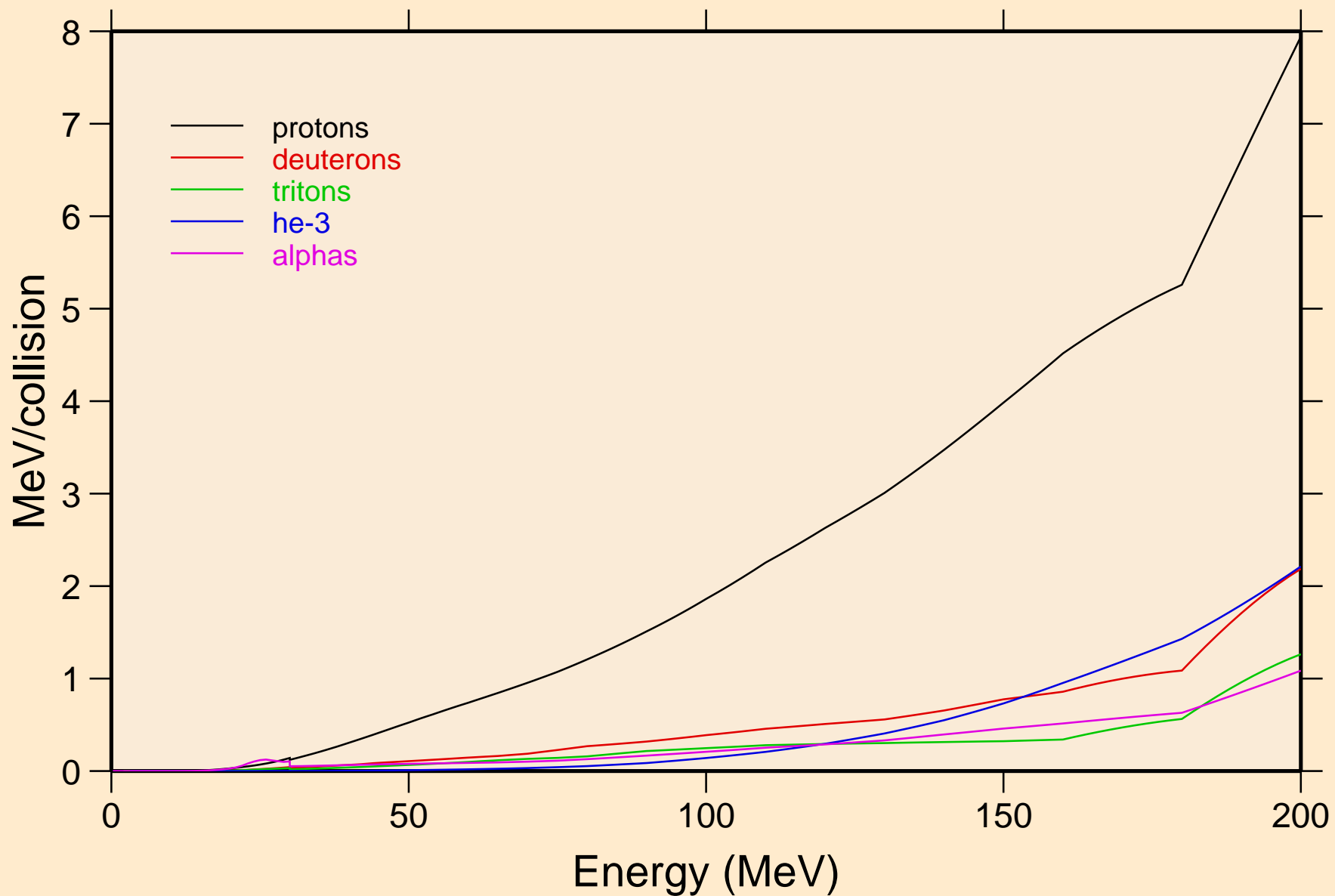


ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
14 MeV photon spectrum



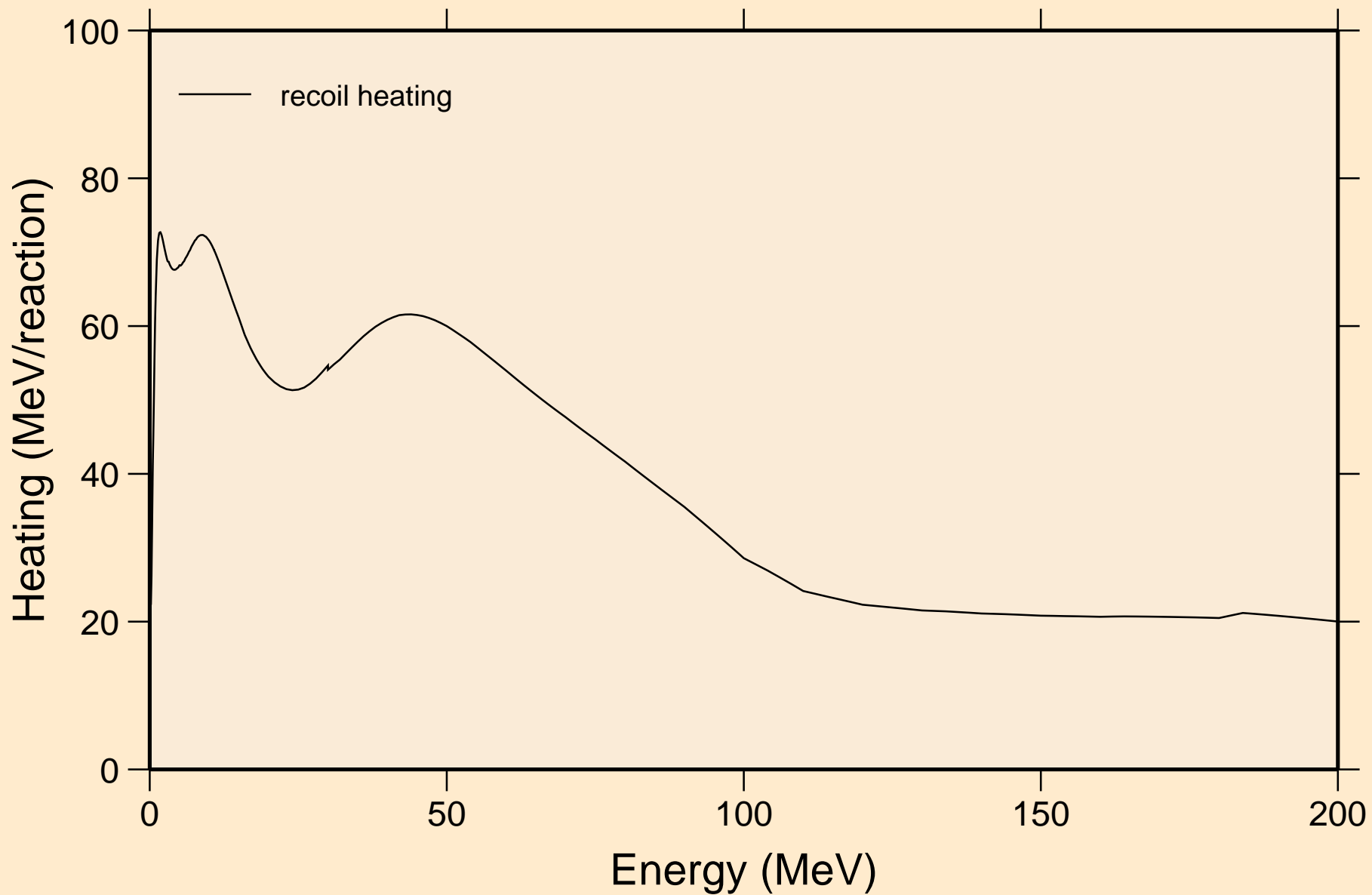
# ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Particle heating contributions



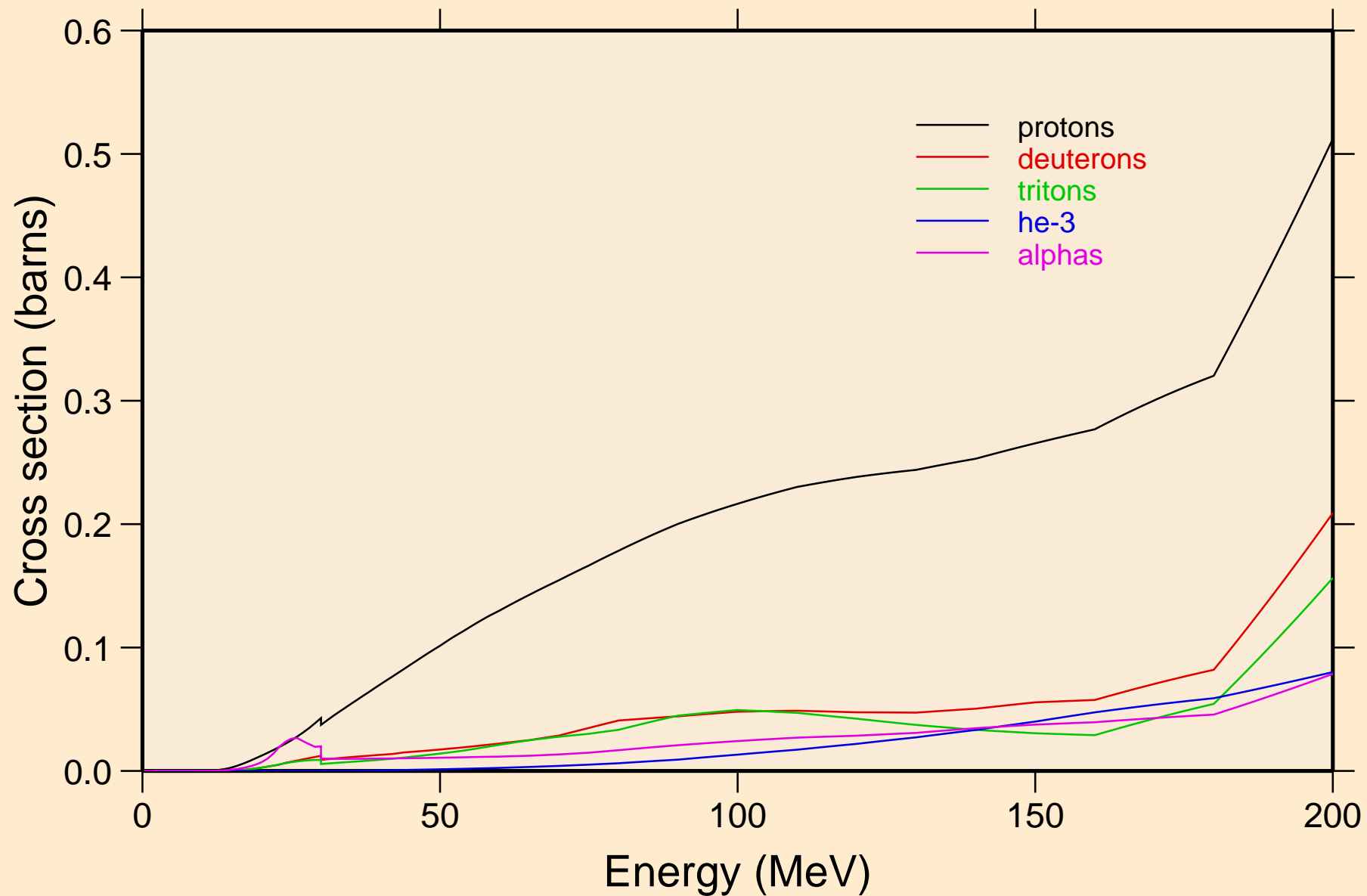


ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Recoil Heating

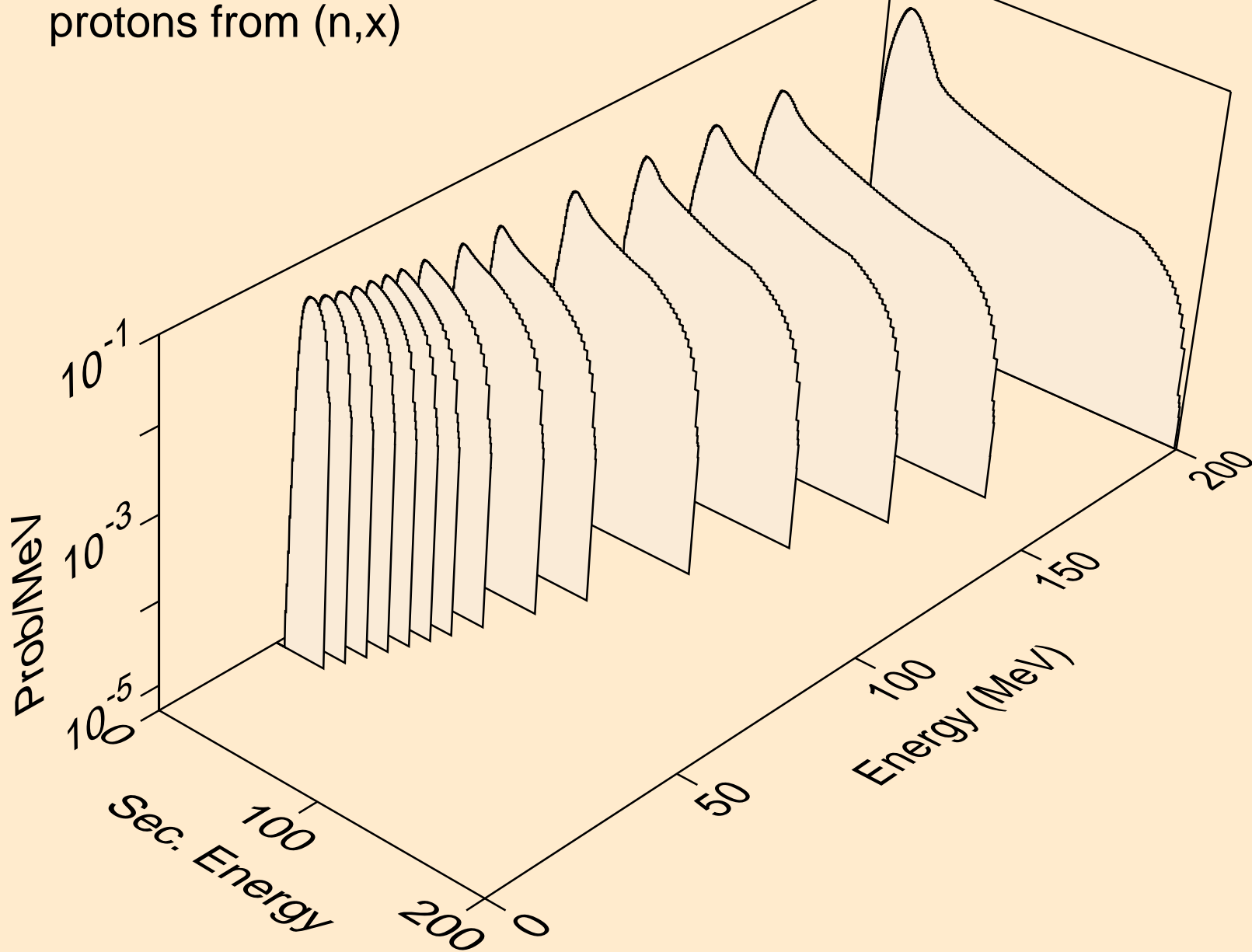


# ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

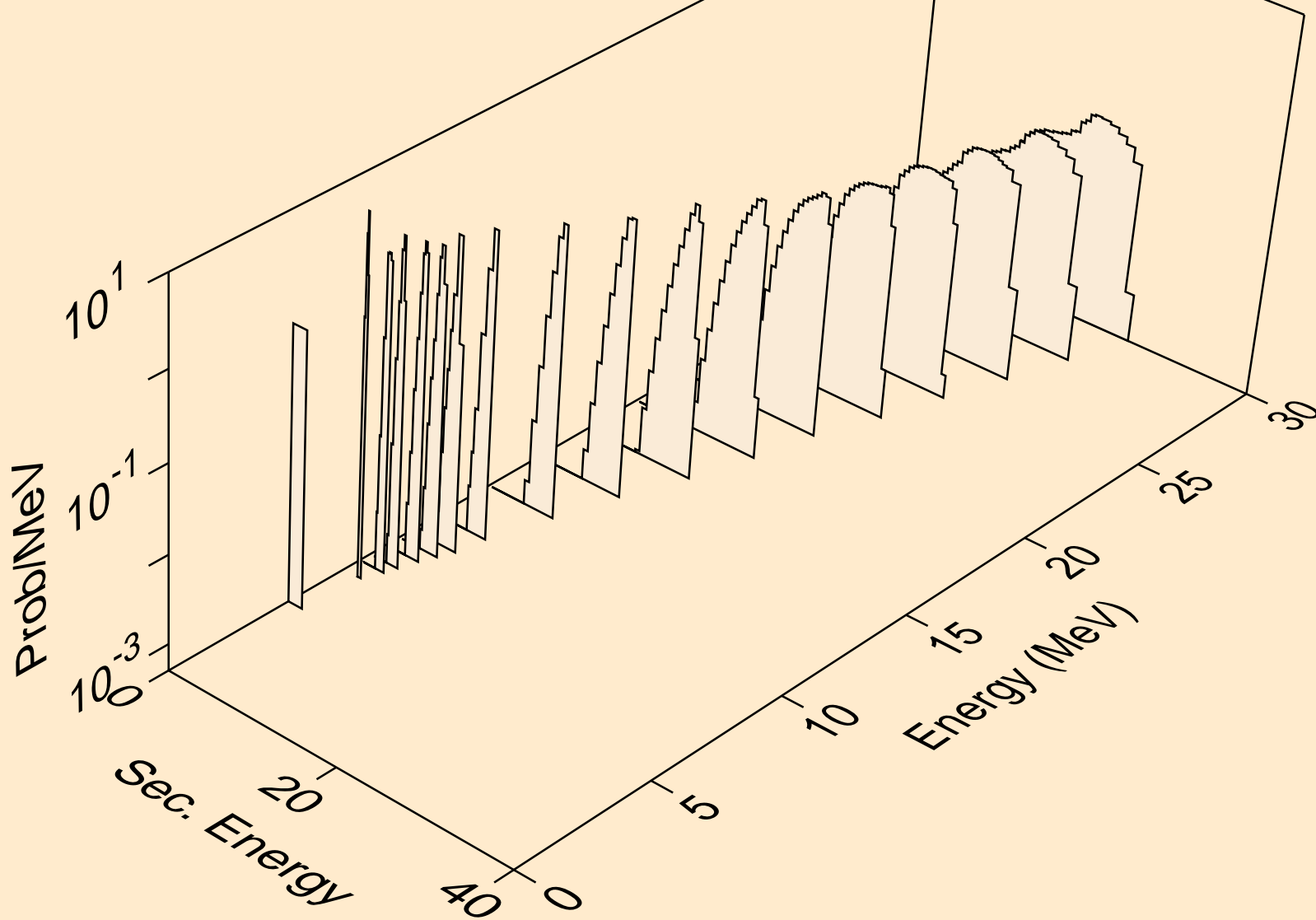
## Particle production cross sections



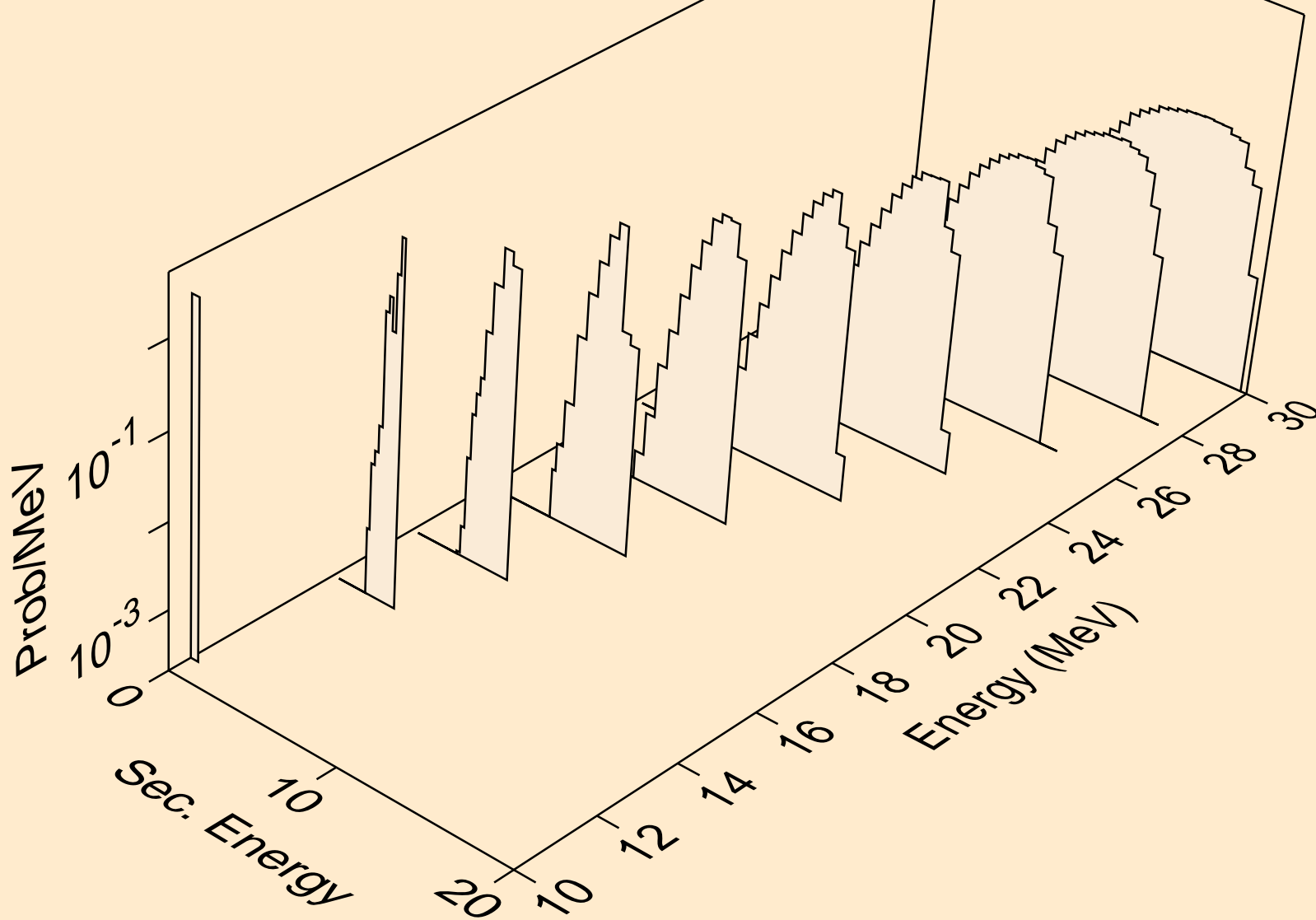
ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,x)



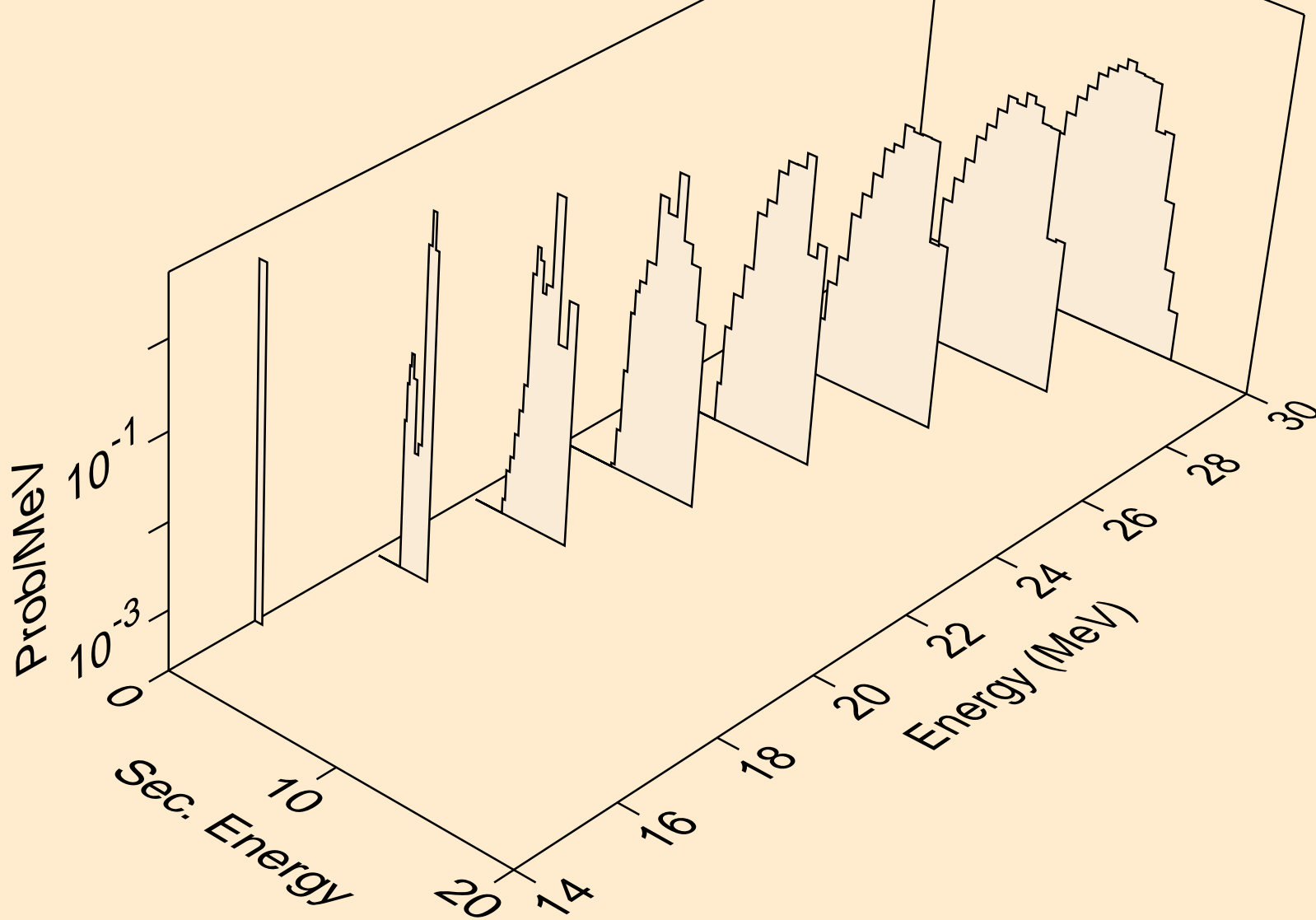
ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,n\*)p



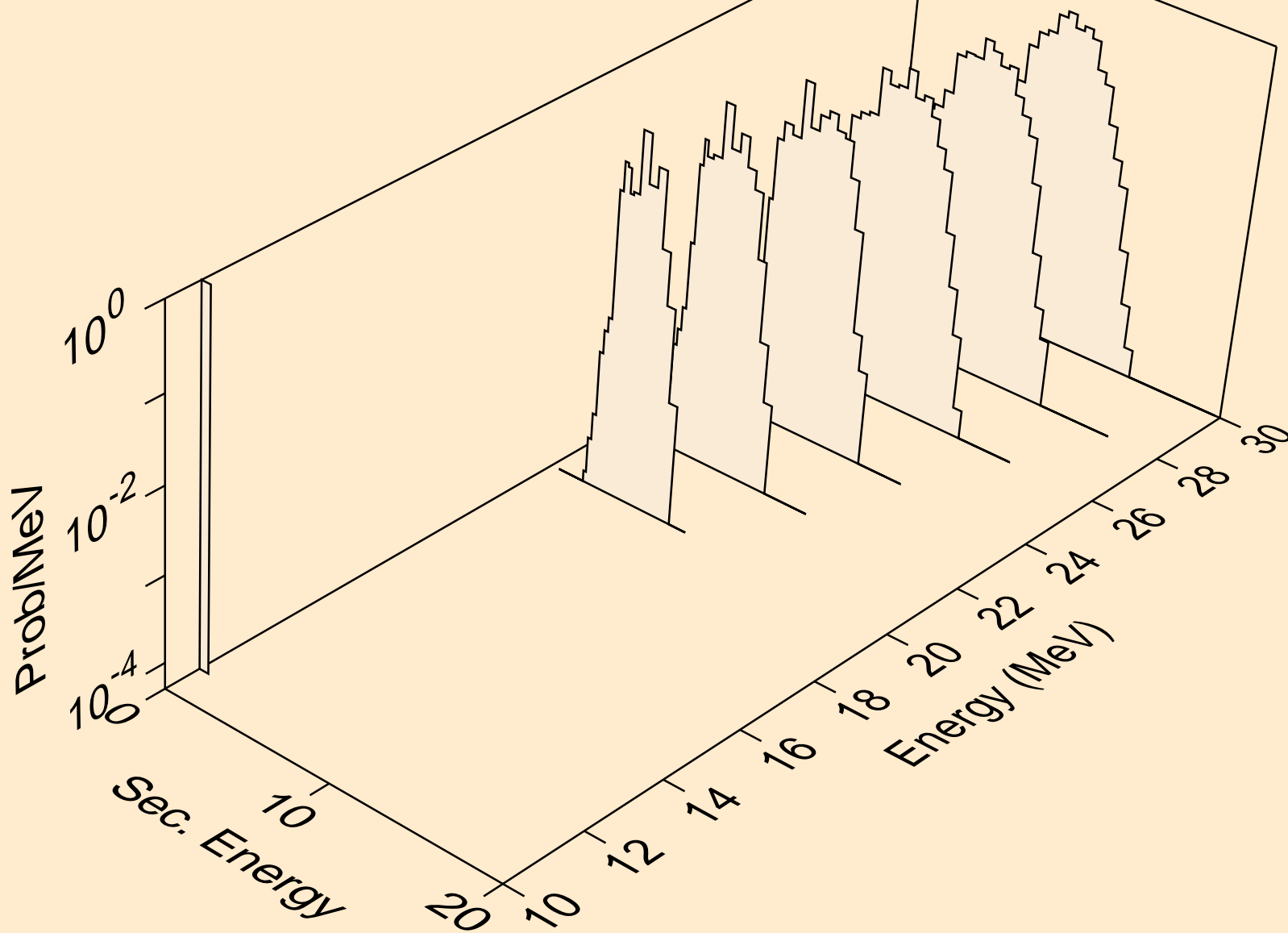
ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,2np)



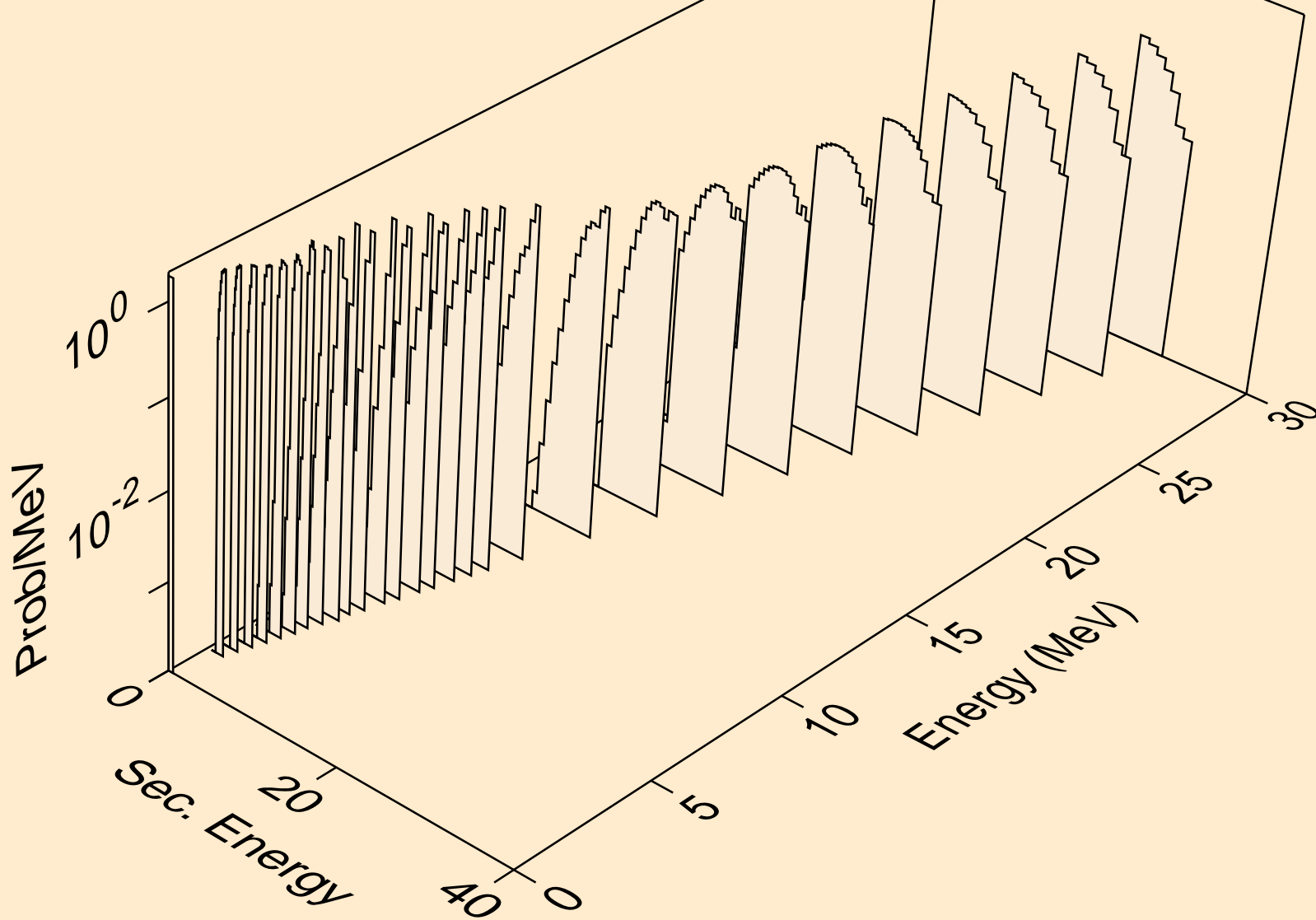
ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,3np)



ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,2np)

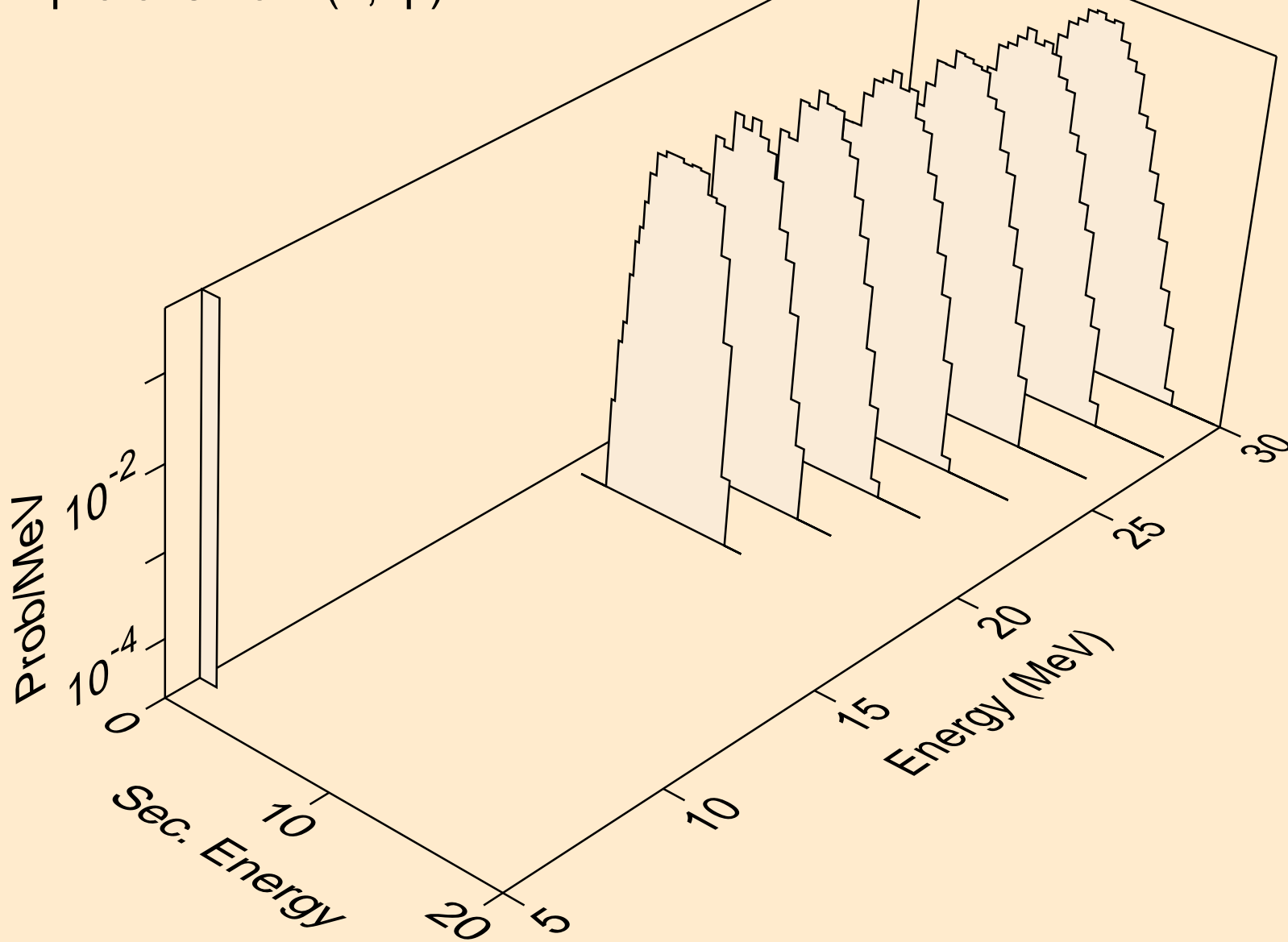


ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,p)

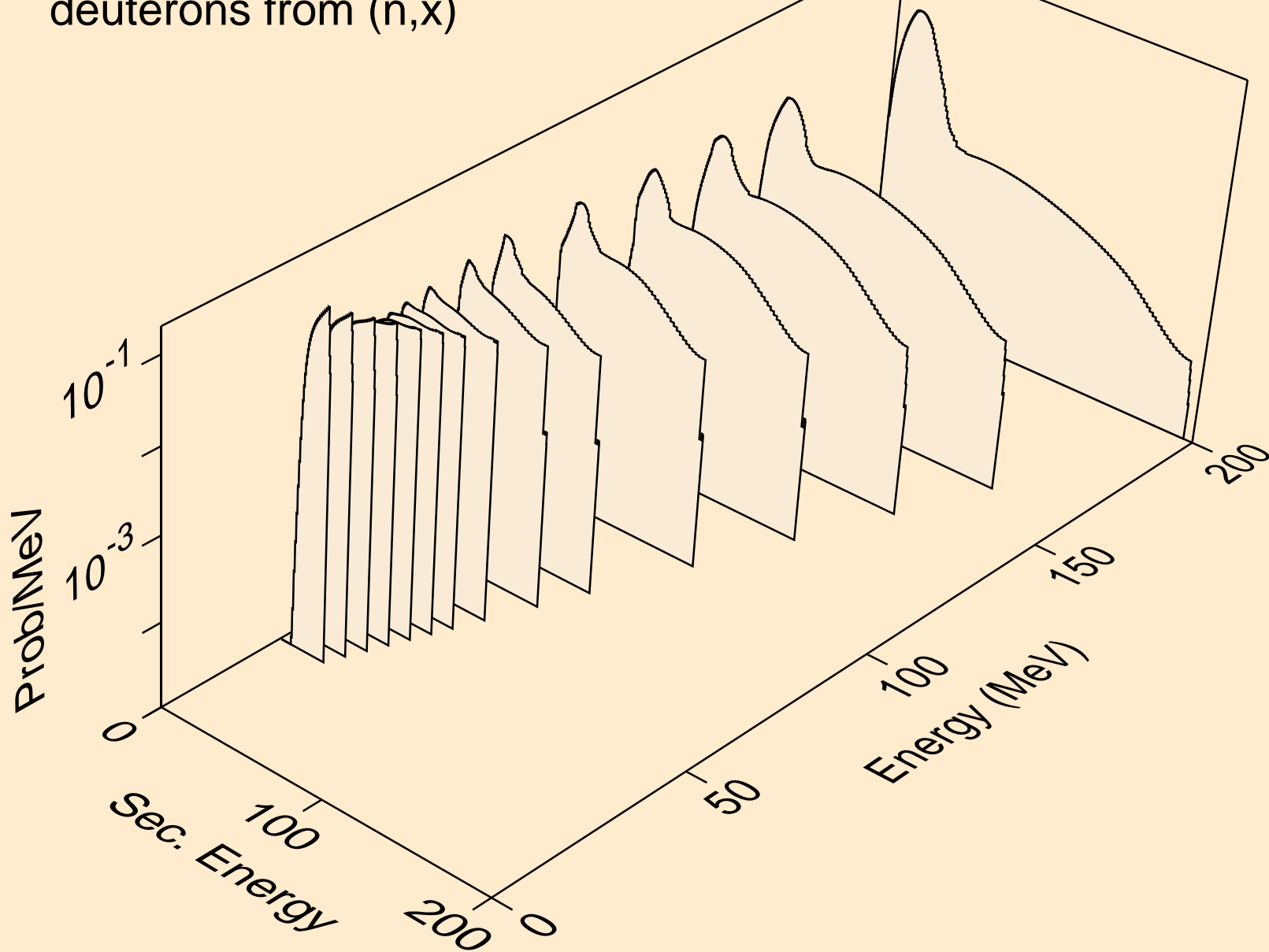




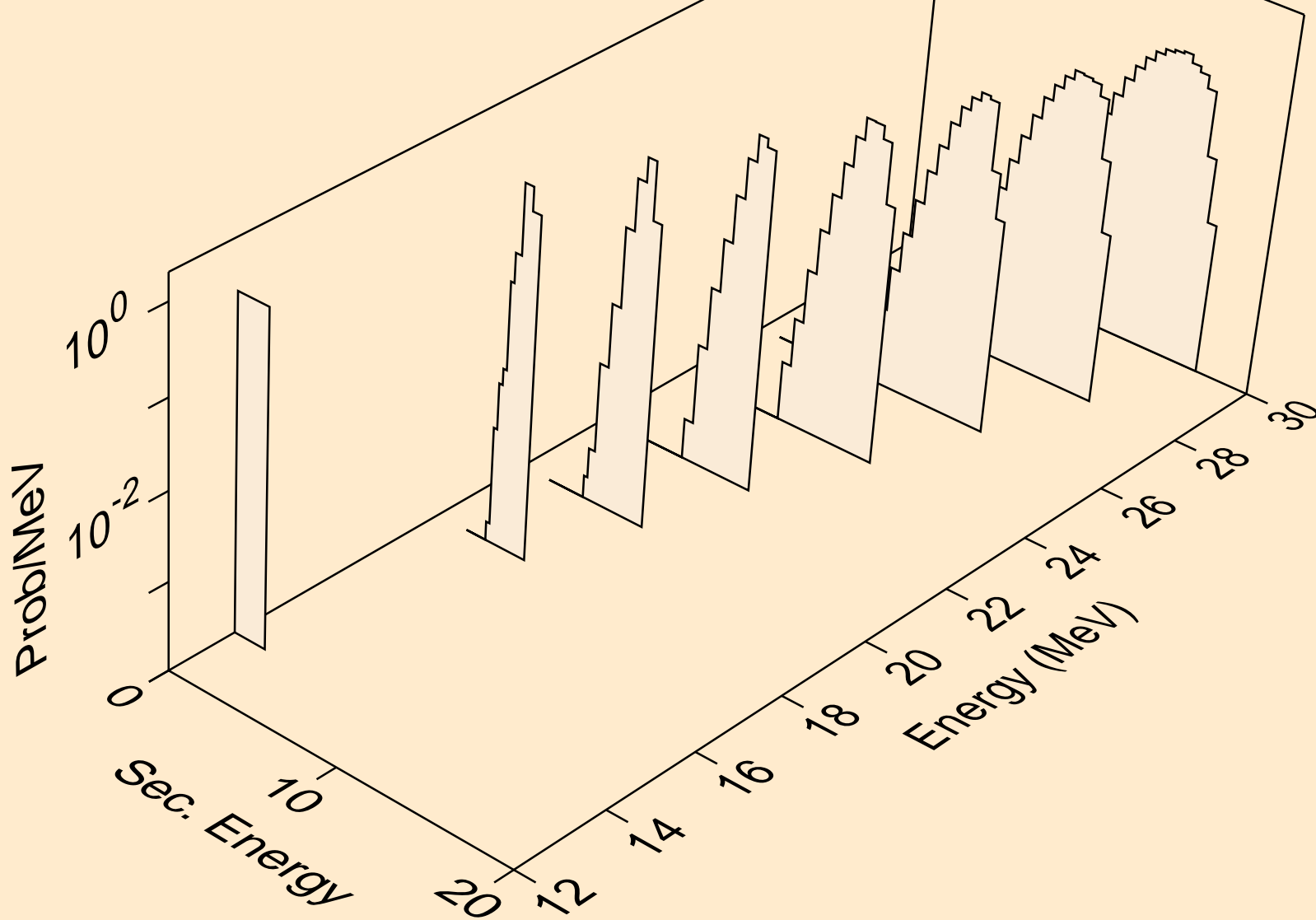
ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,2p)



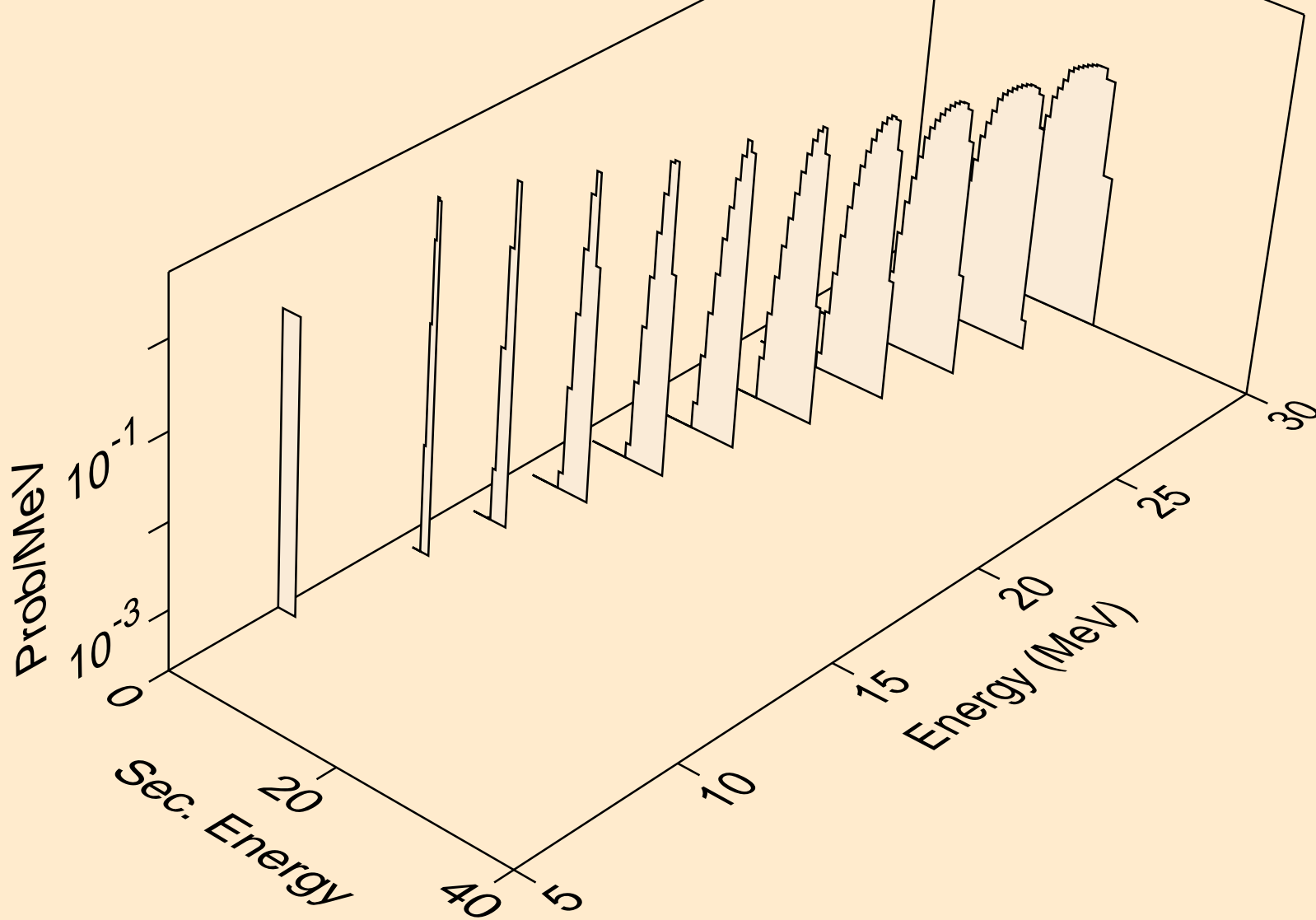
ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,x)



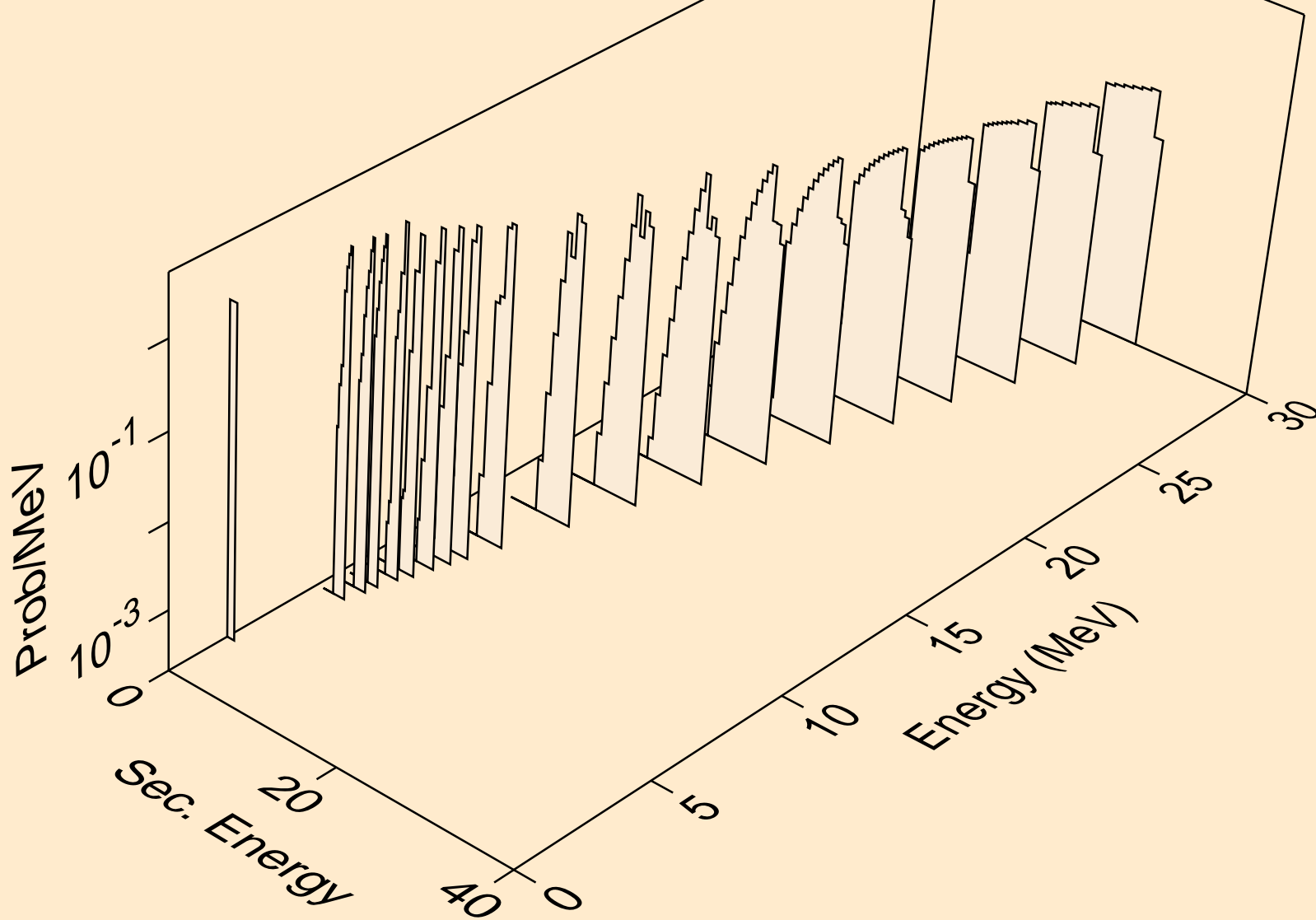
ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,2nd)



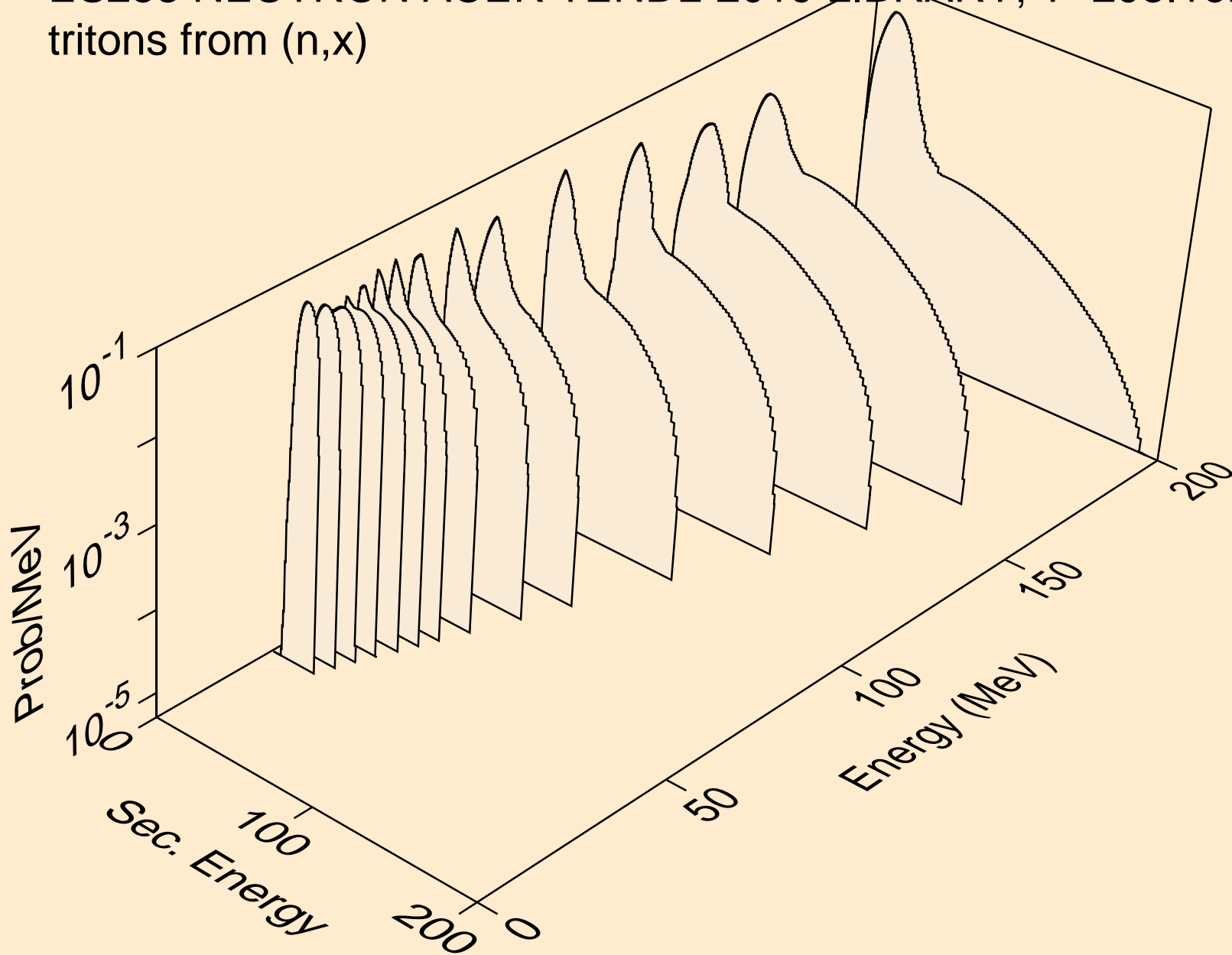
ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,n\*)d



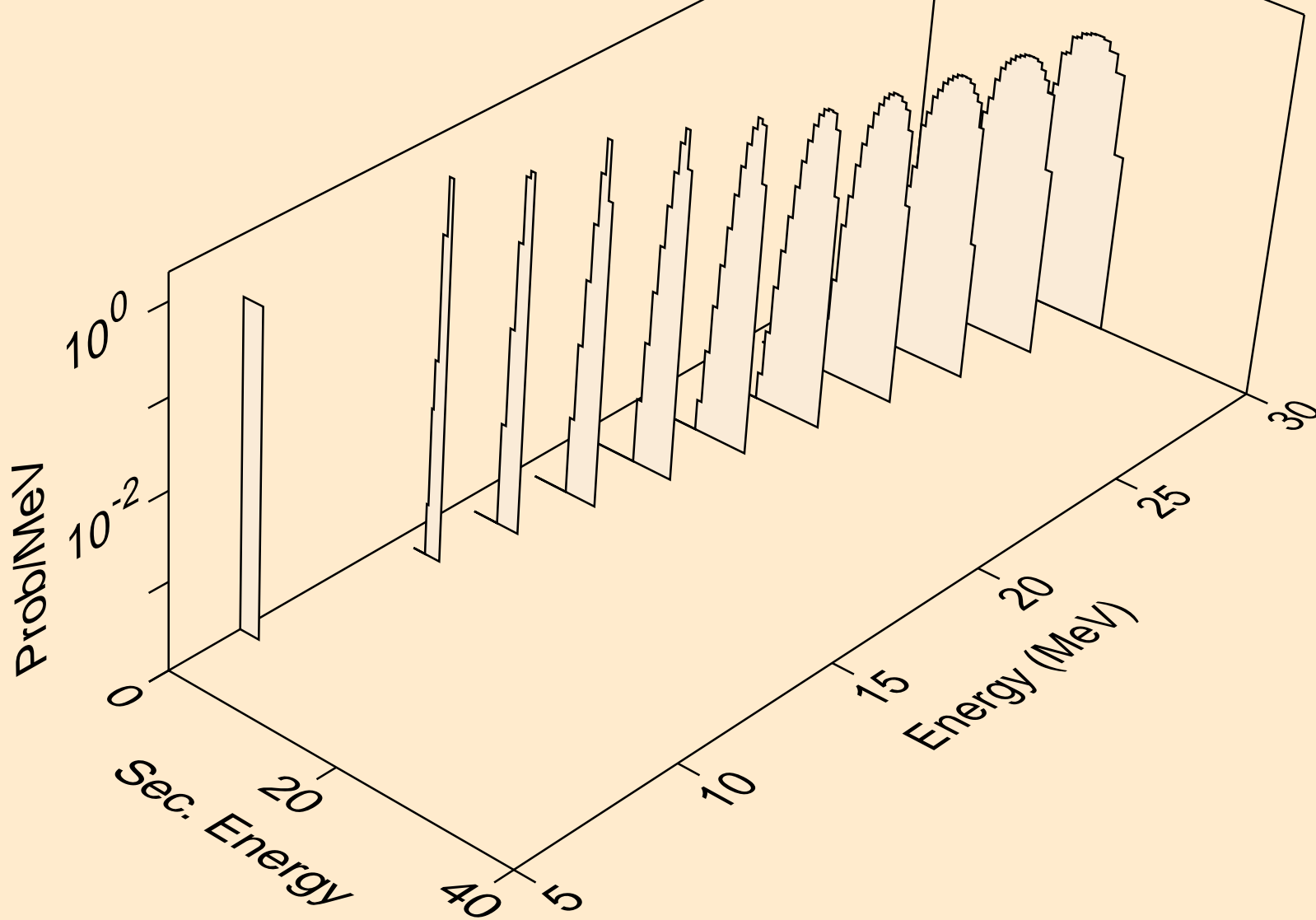
ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,d)



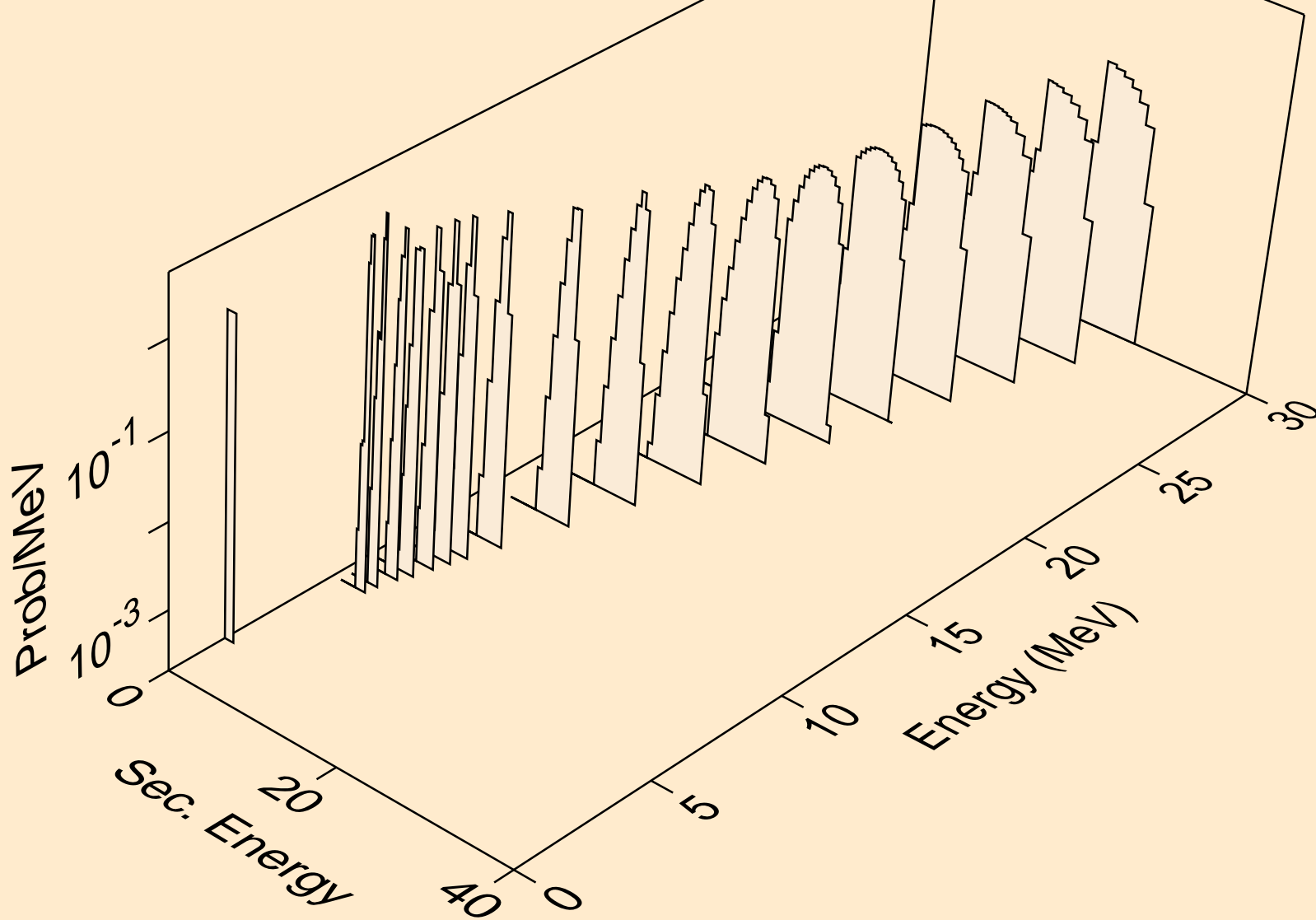
ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,x)



ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,n\*)t

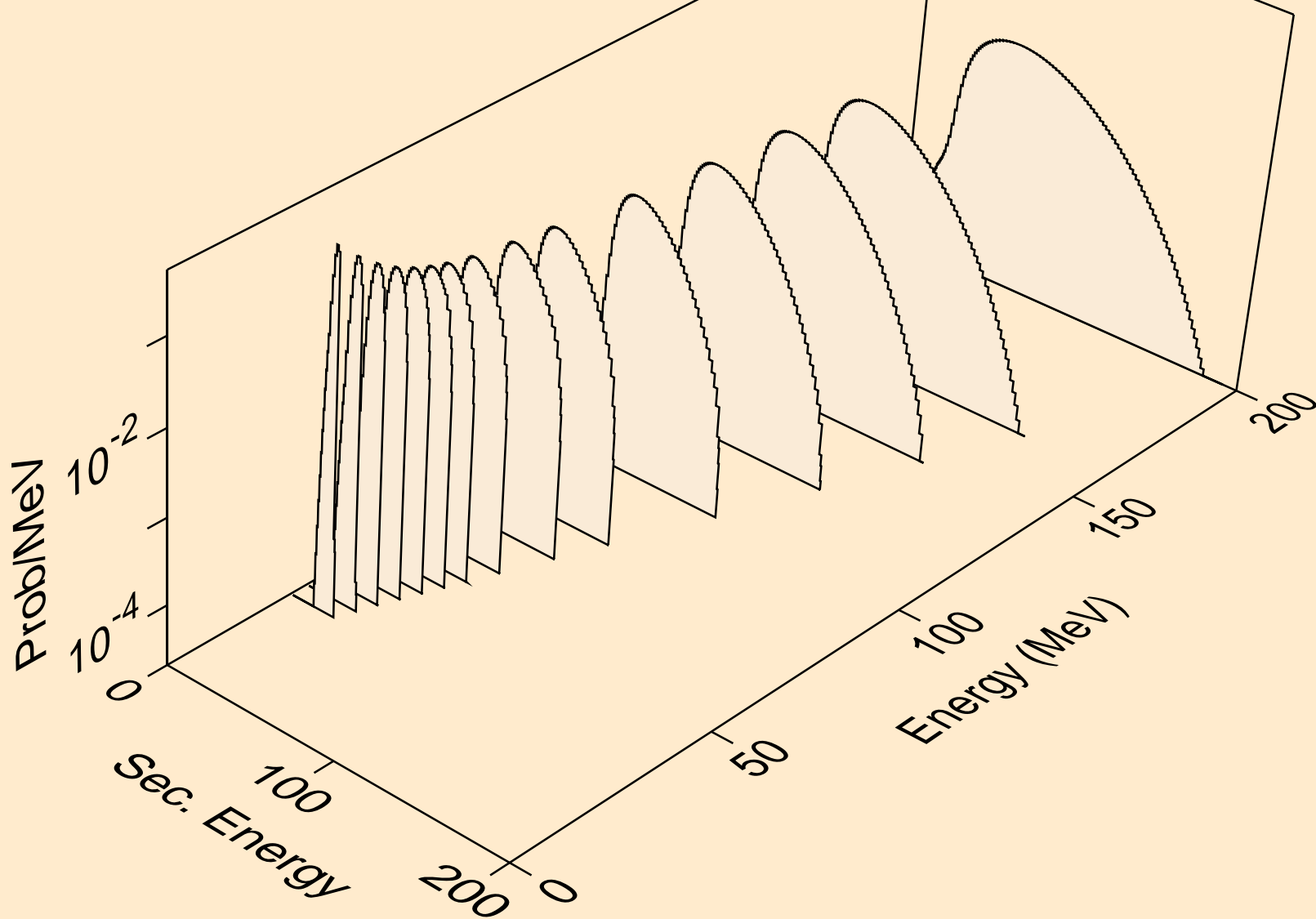


ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,t)

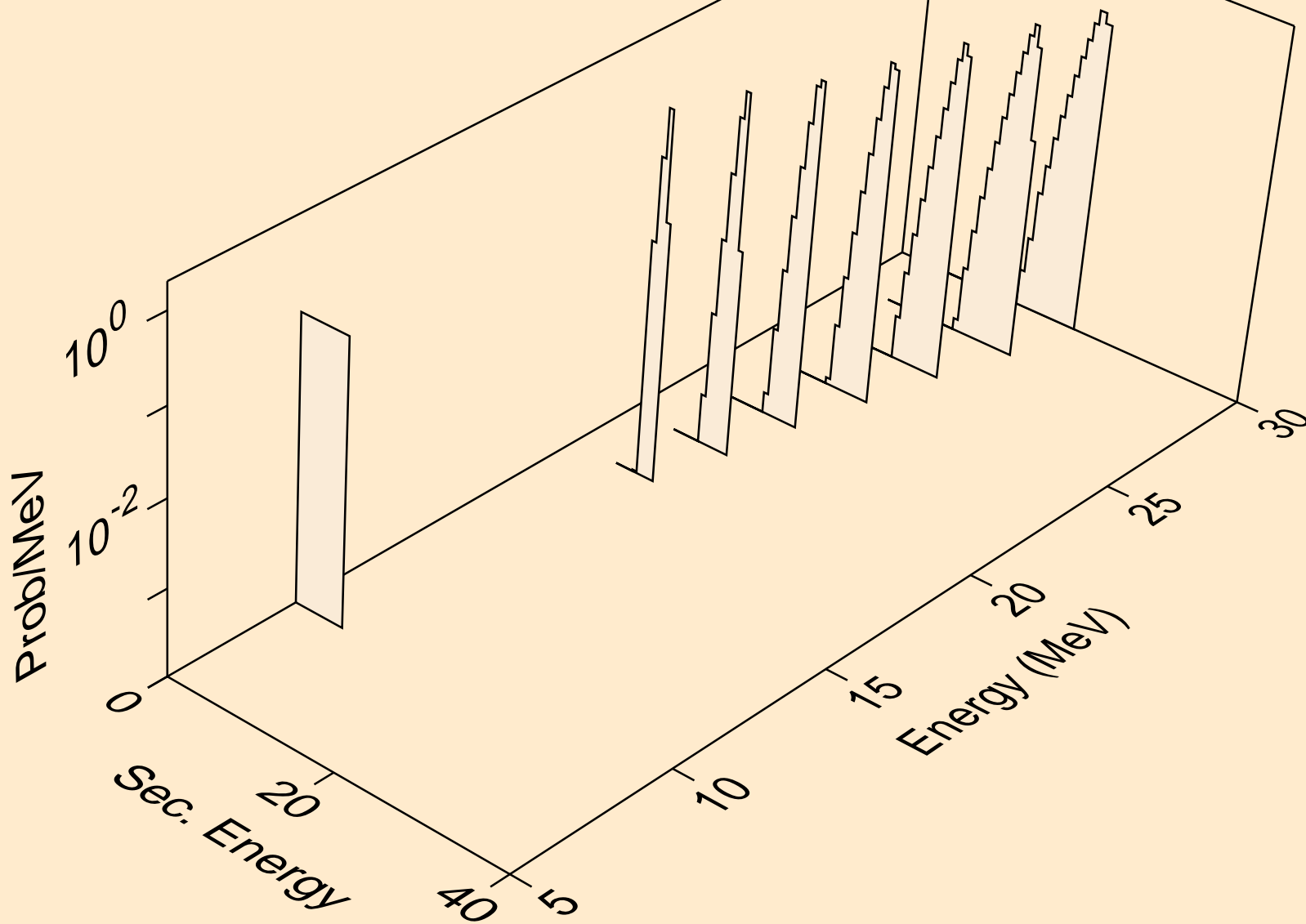




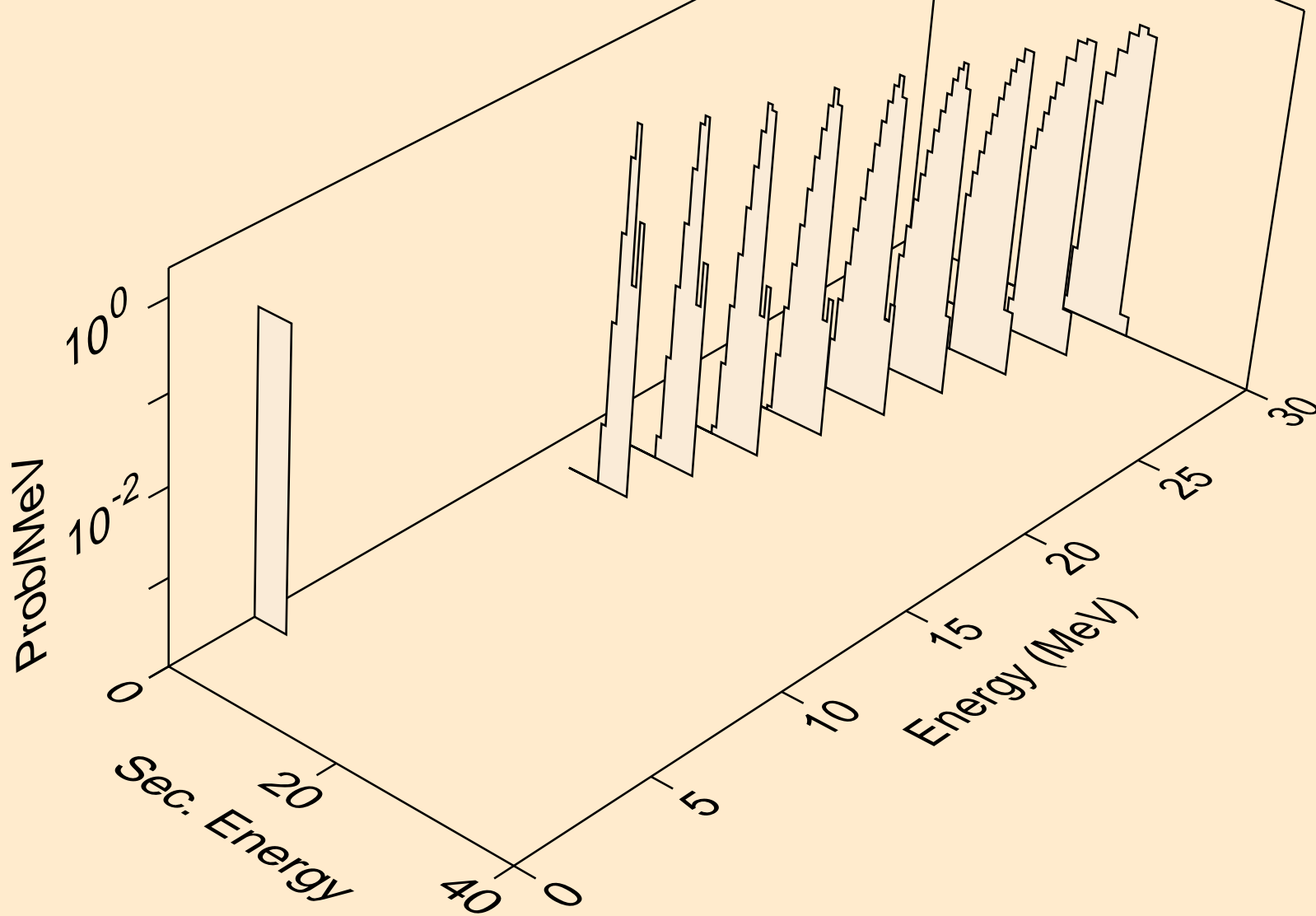
ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,x)



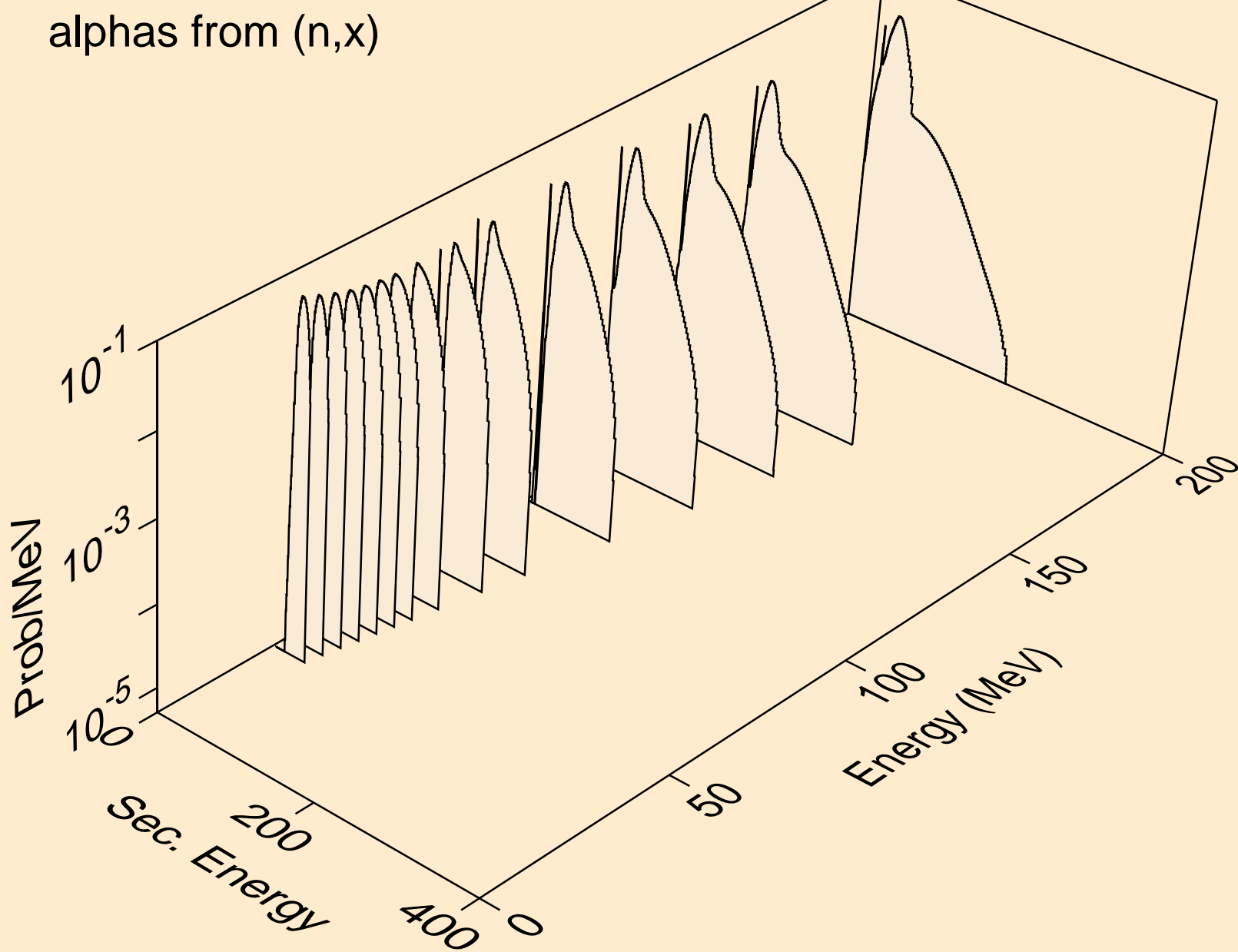
ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,n\*)he3



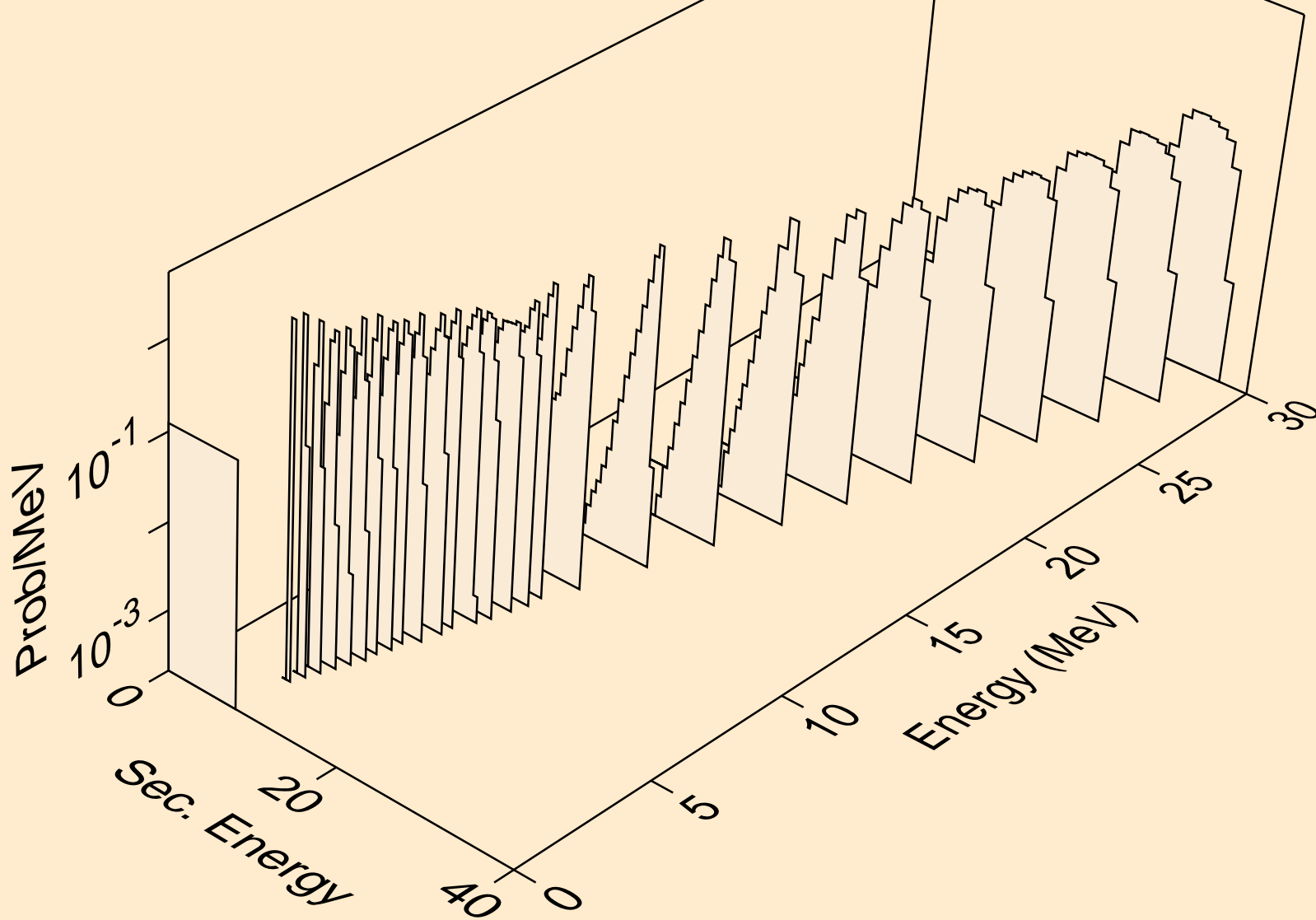
ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,he3)



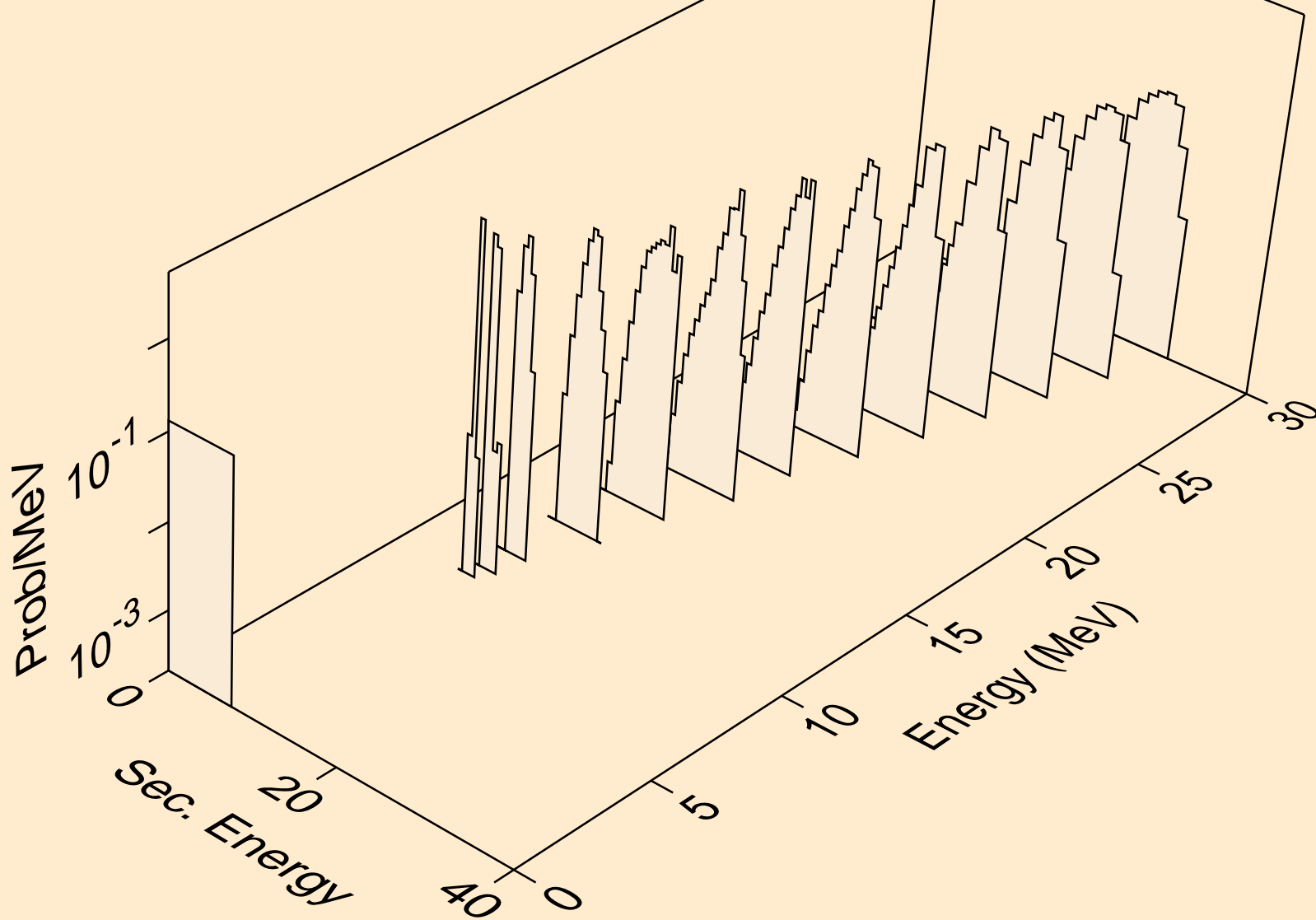
ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,x)



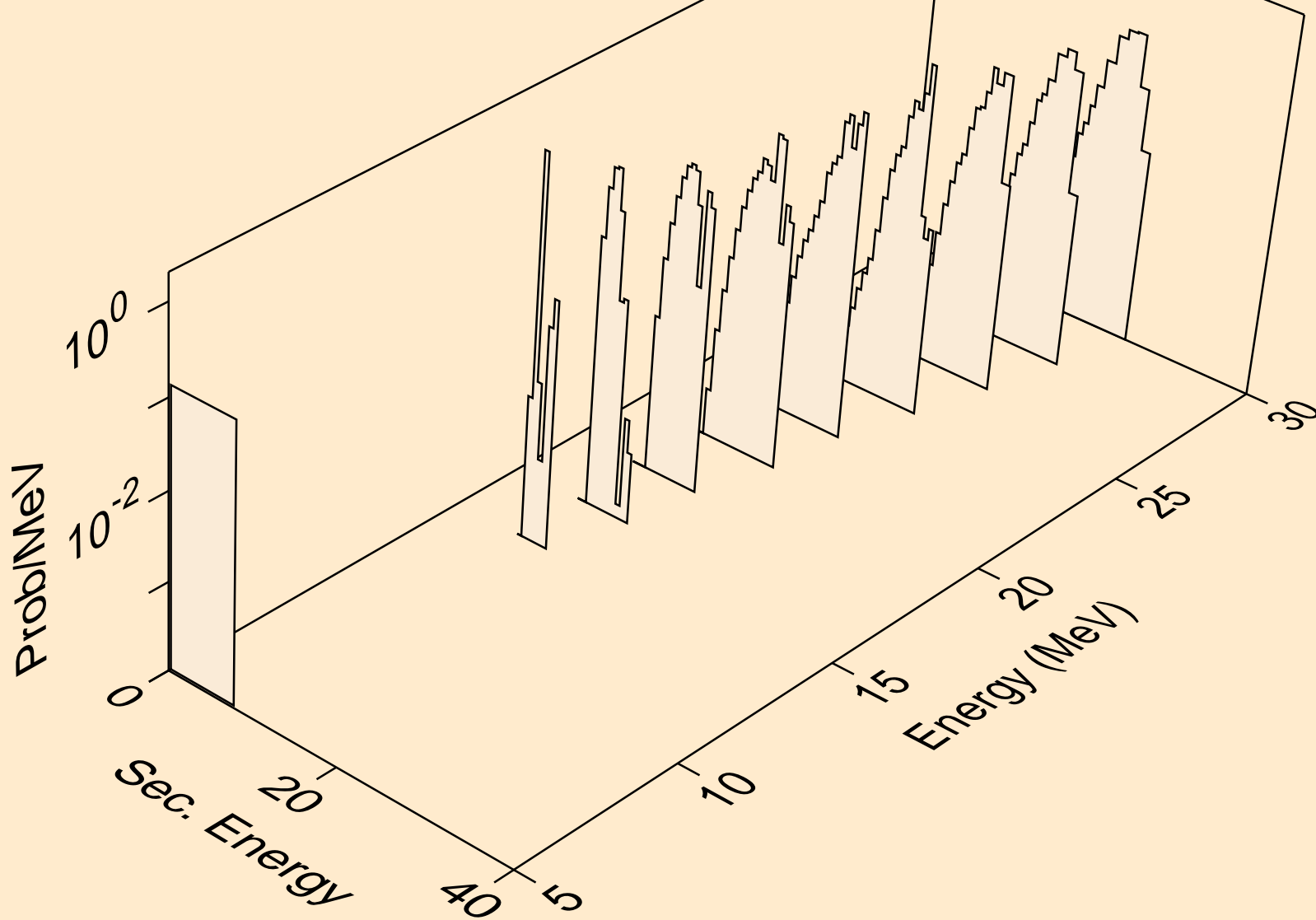
ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)a



ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2n)a



ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,3n)a



ES253 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,a)

