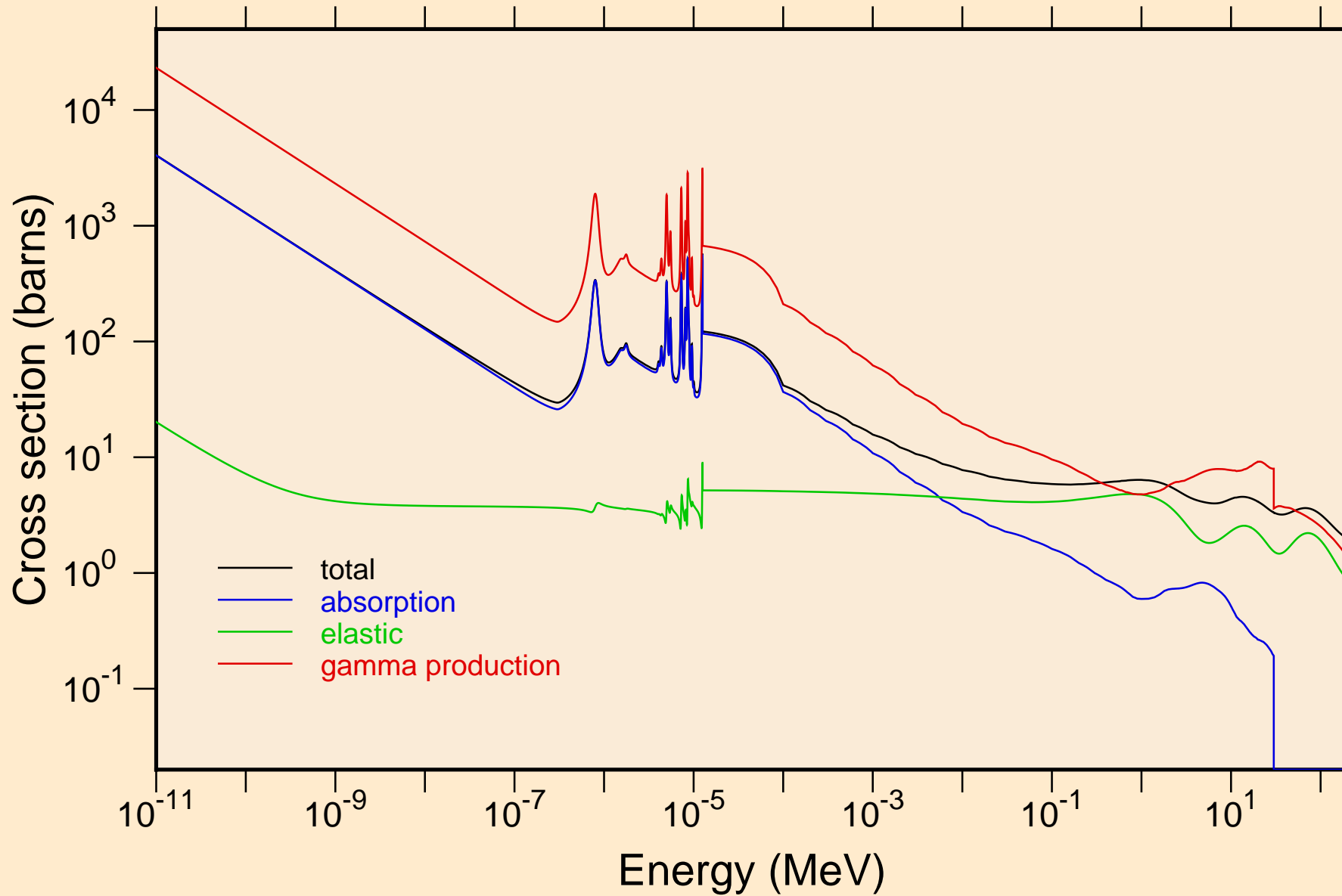
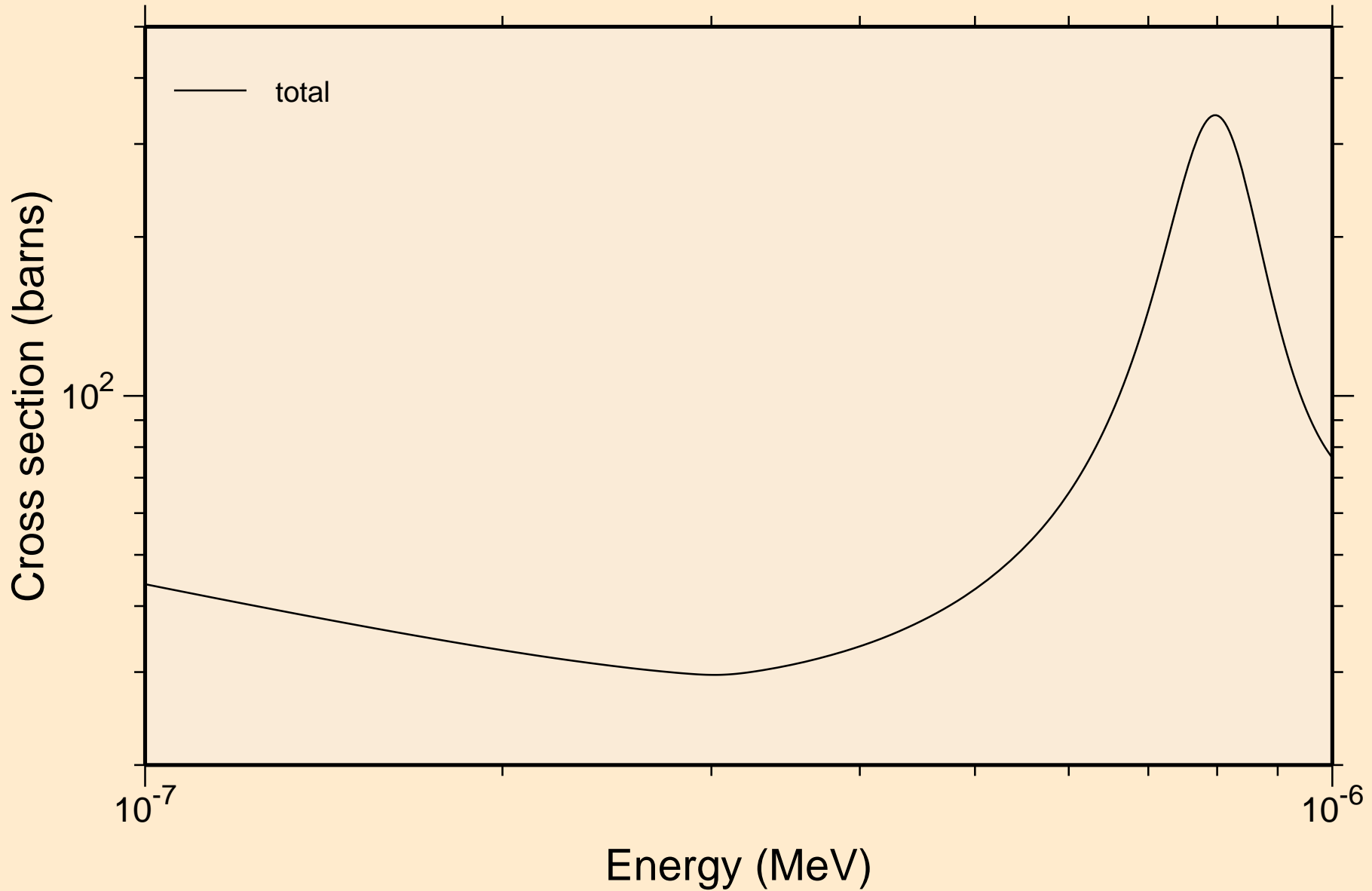


# I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

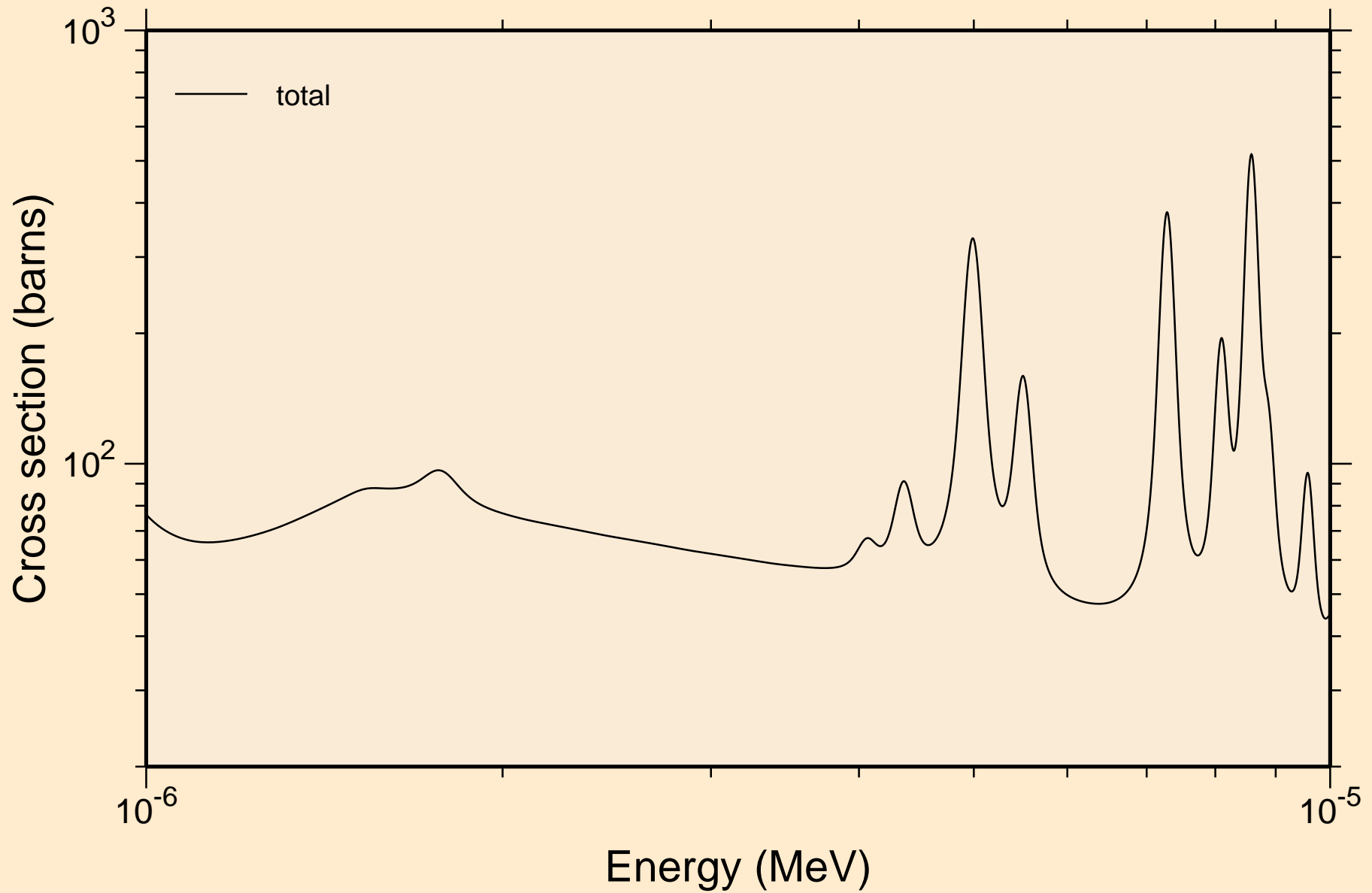
## Principal cross sections



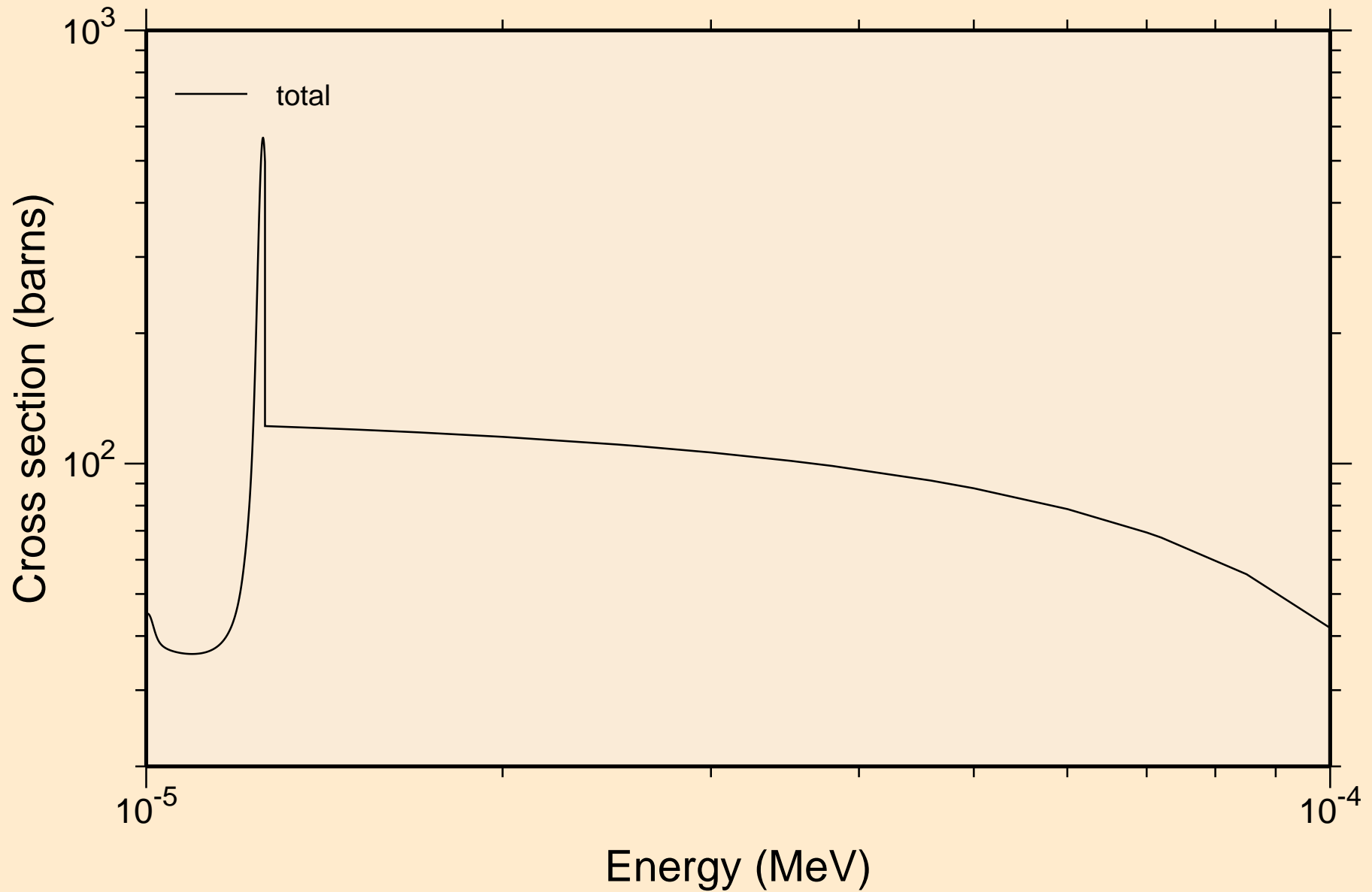
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance total cross section



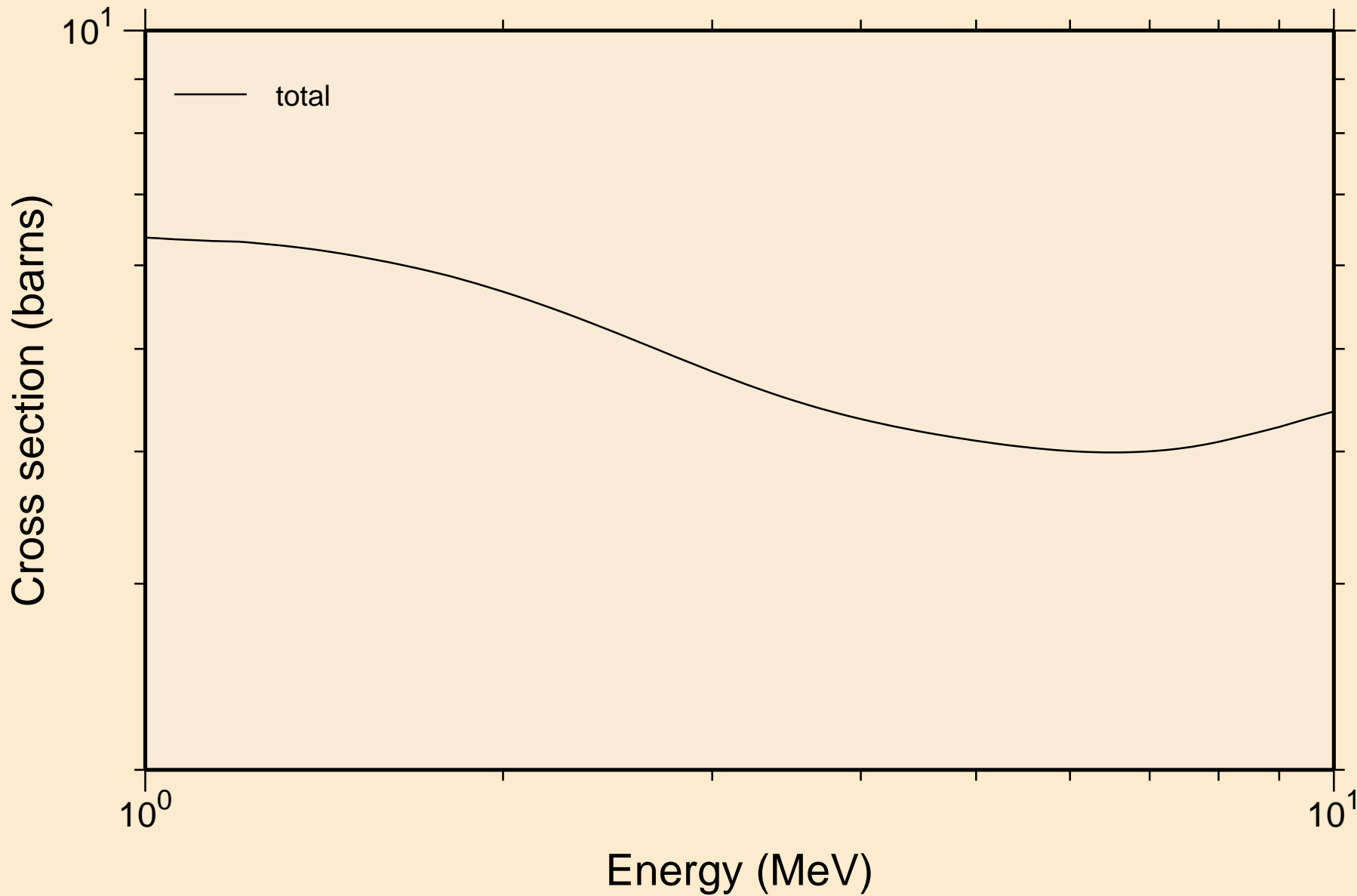
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance total cross section



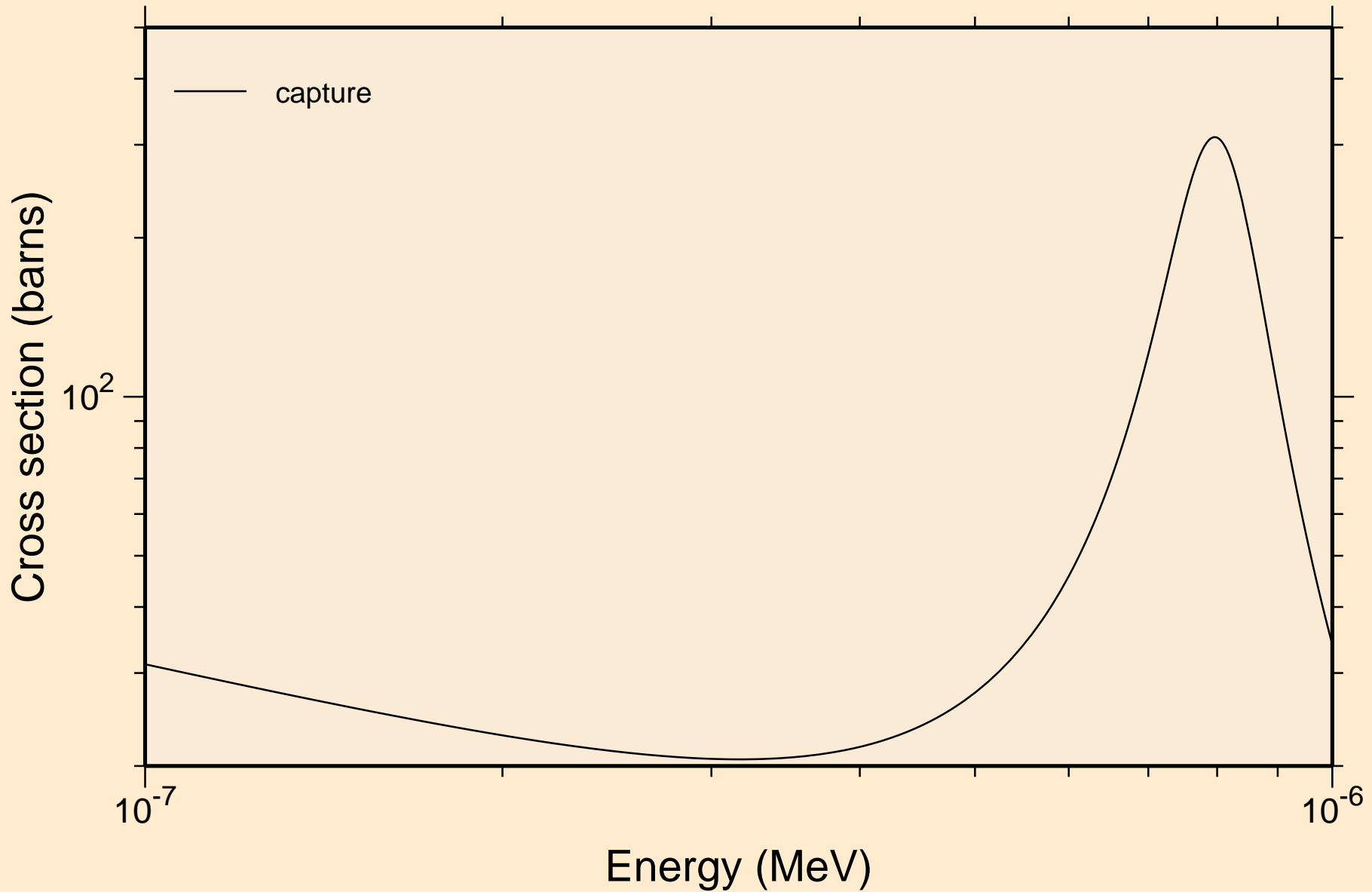
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance total cross section



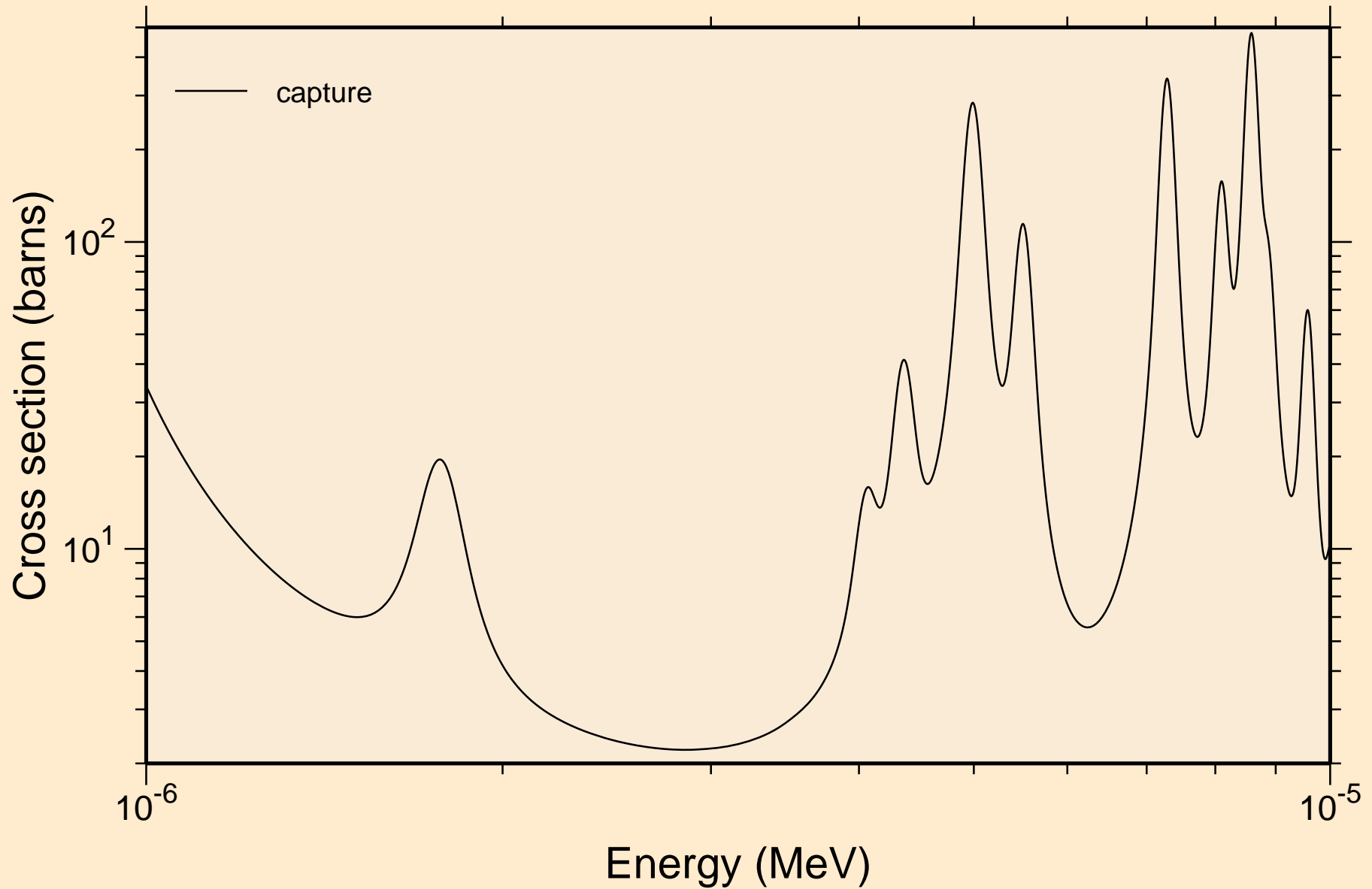
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance total cross section



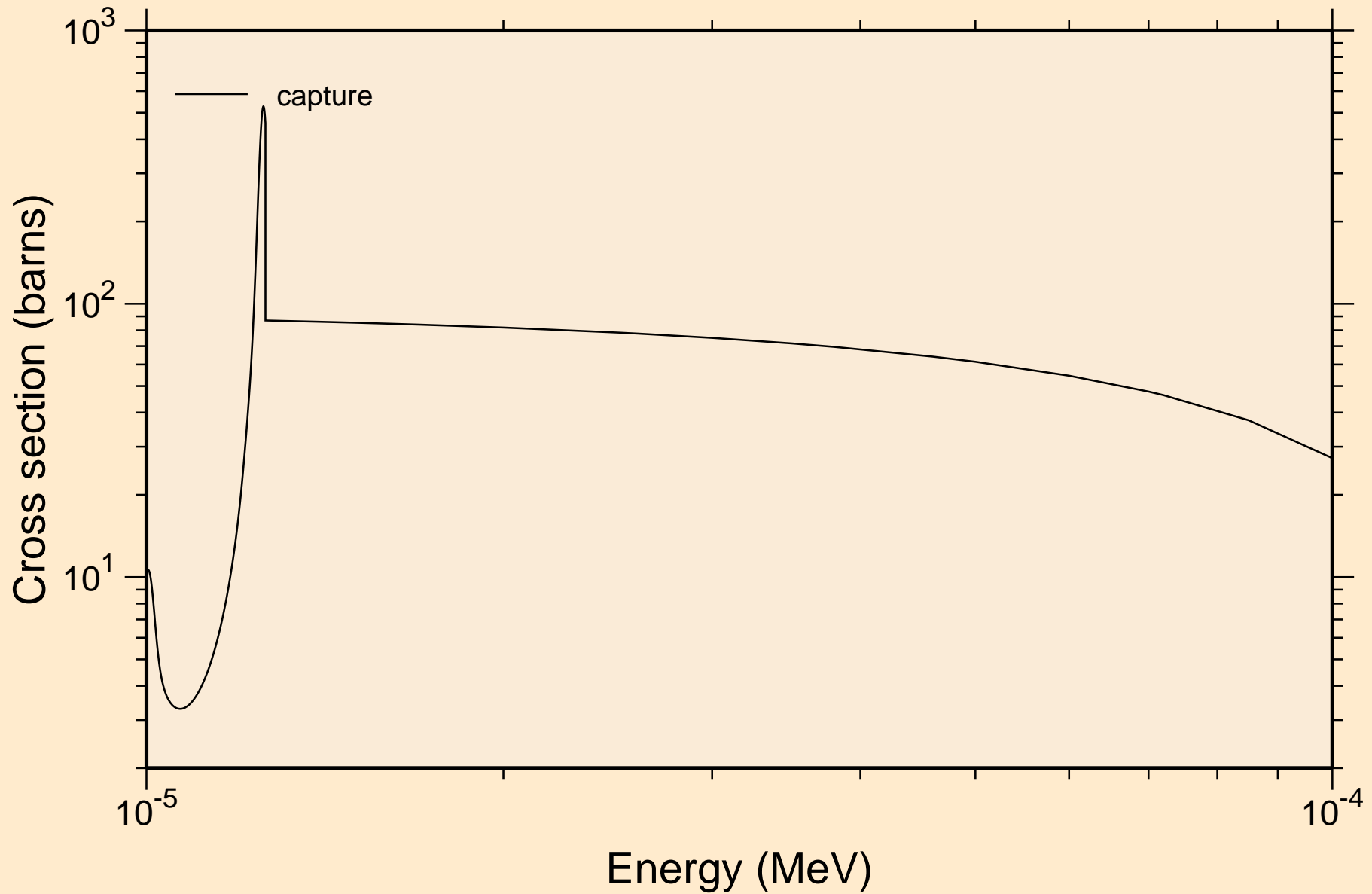
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance absorption cross sections



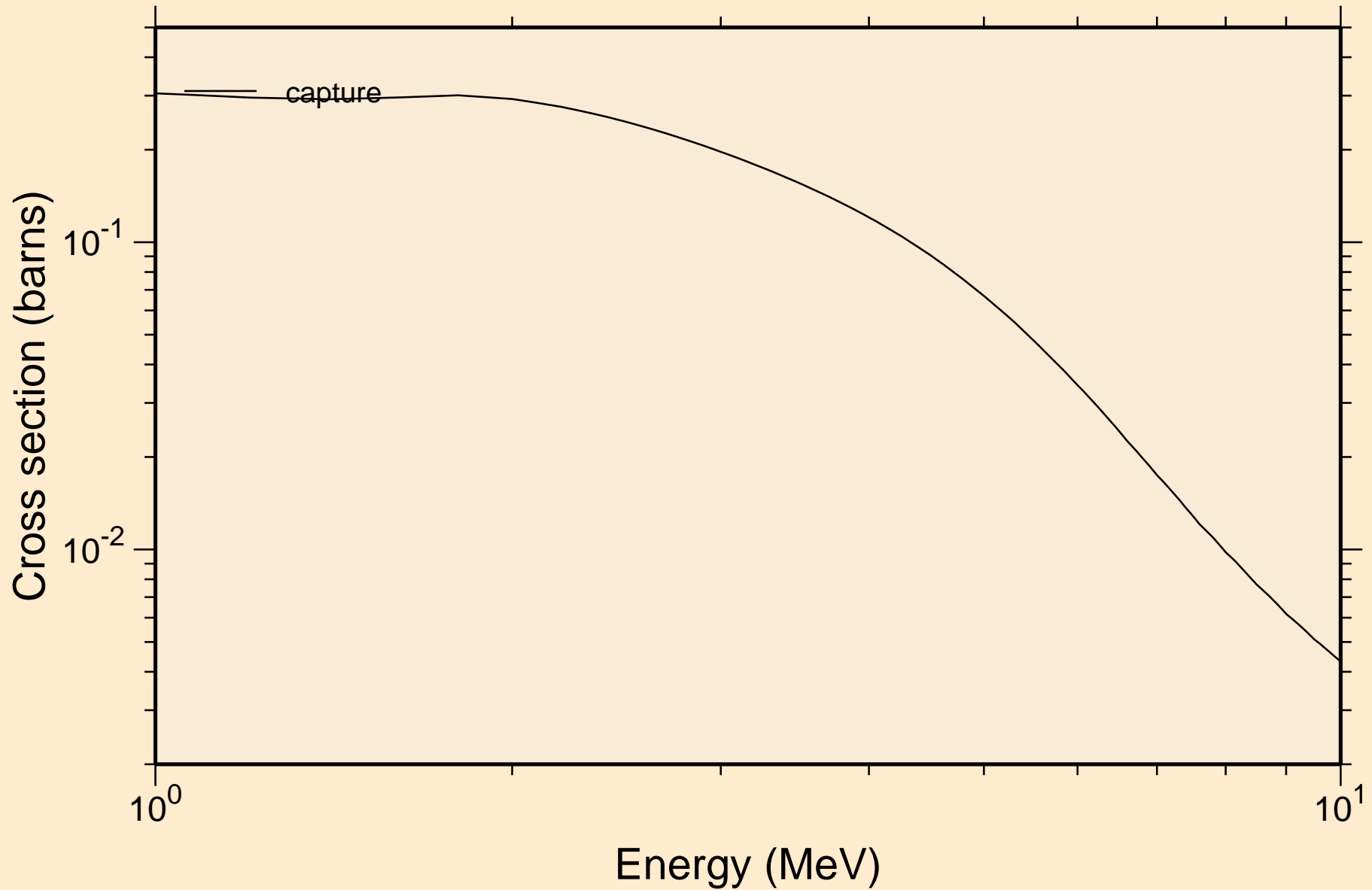
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance absorption cross sections



I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance absorption cross sections

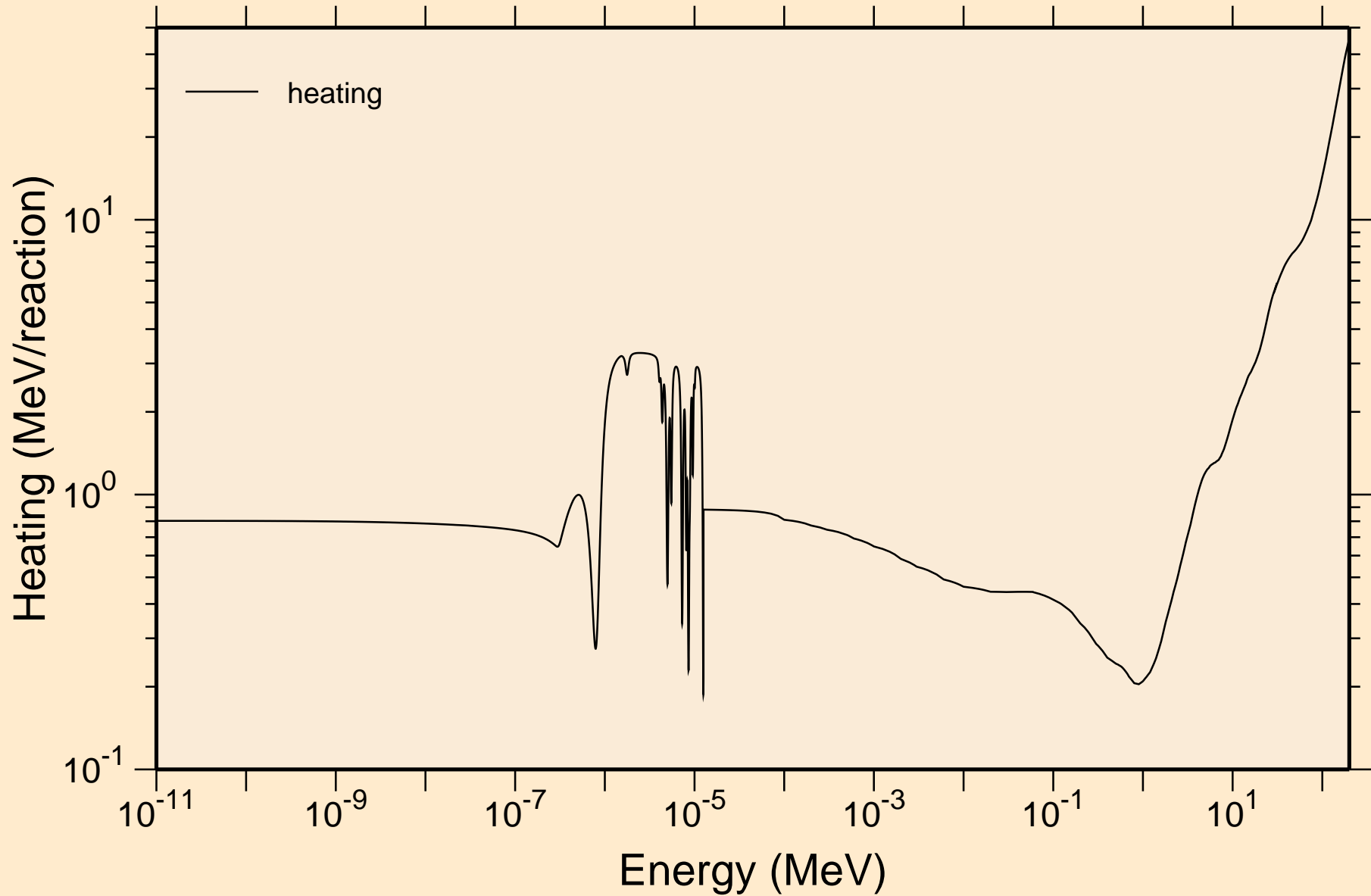


I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance absorption cross sections



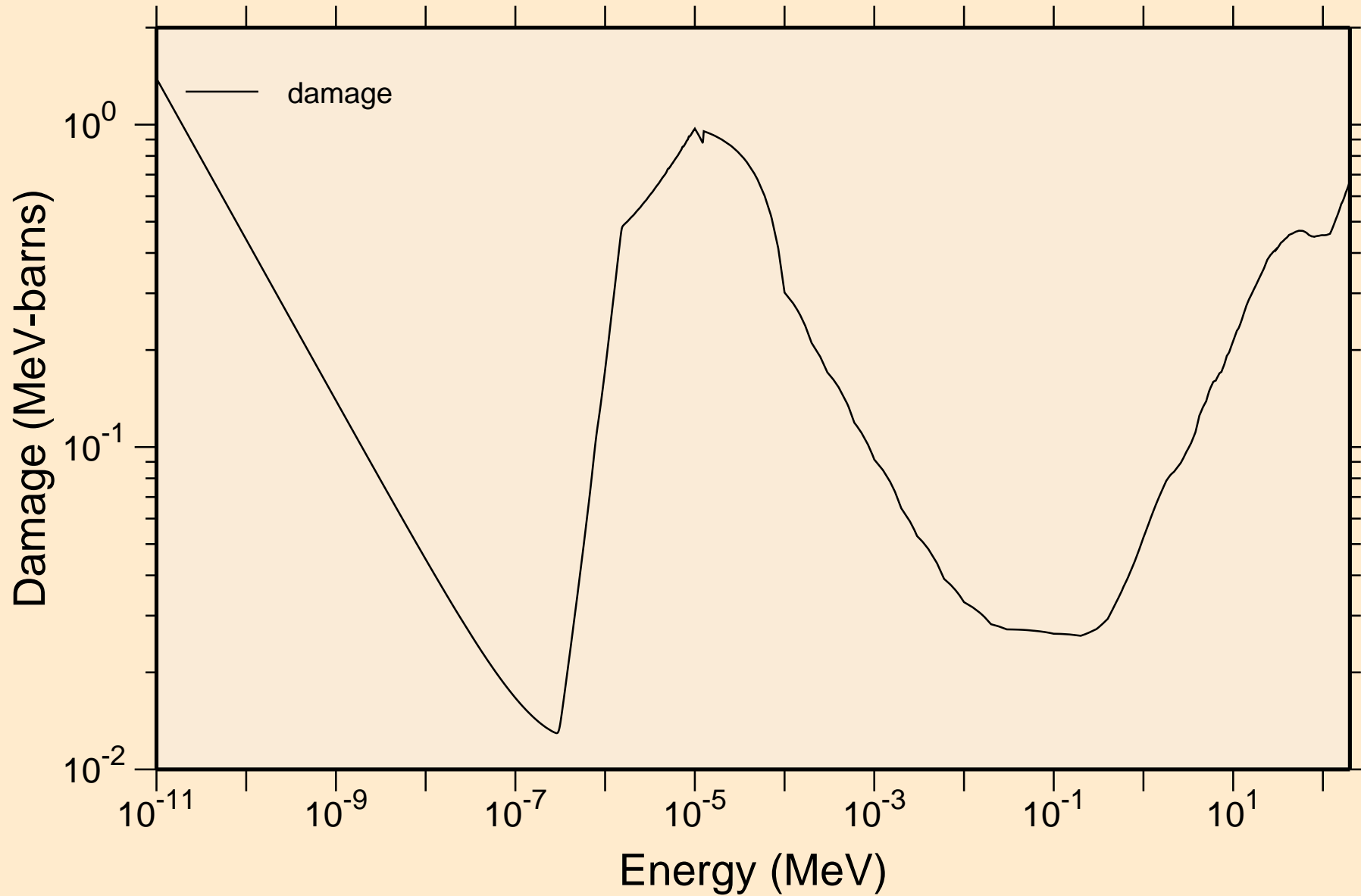
# I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

## Heating



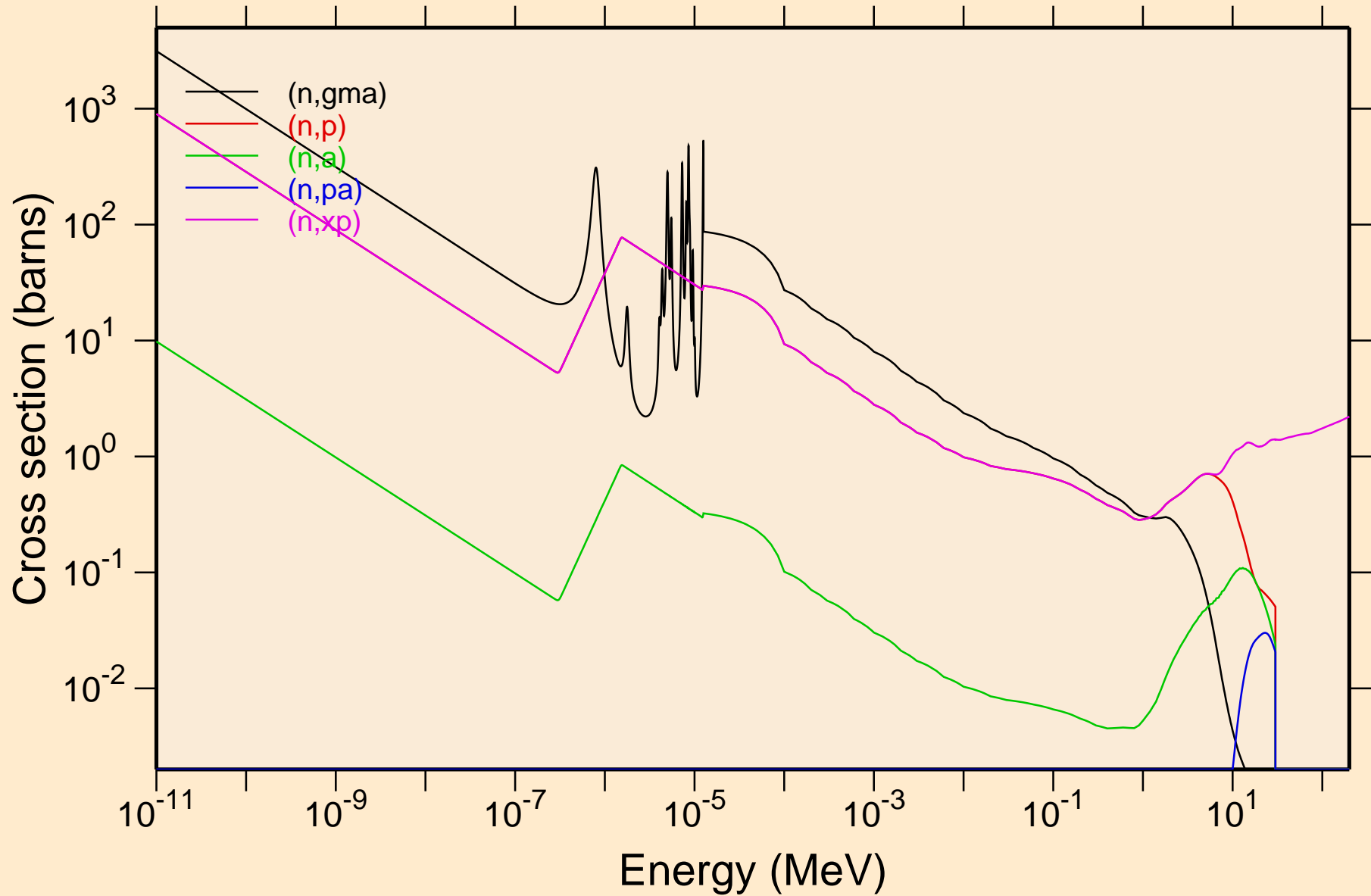
# I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

## Damage

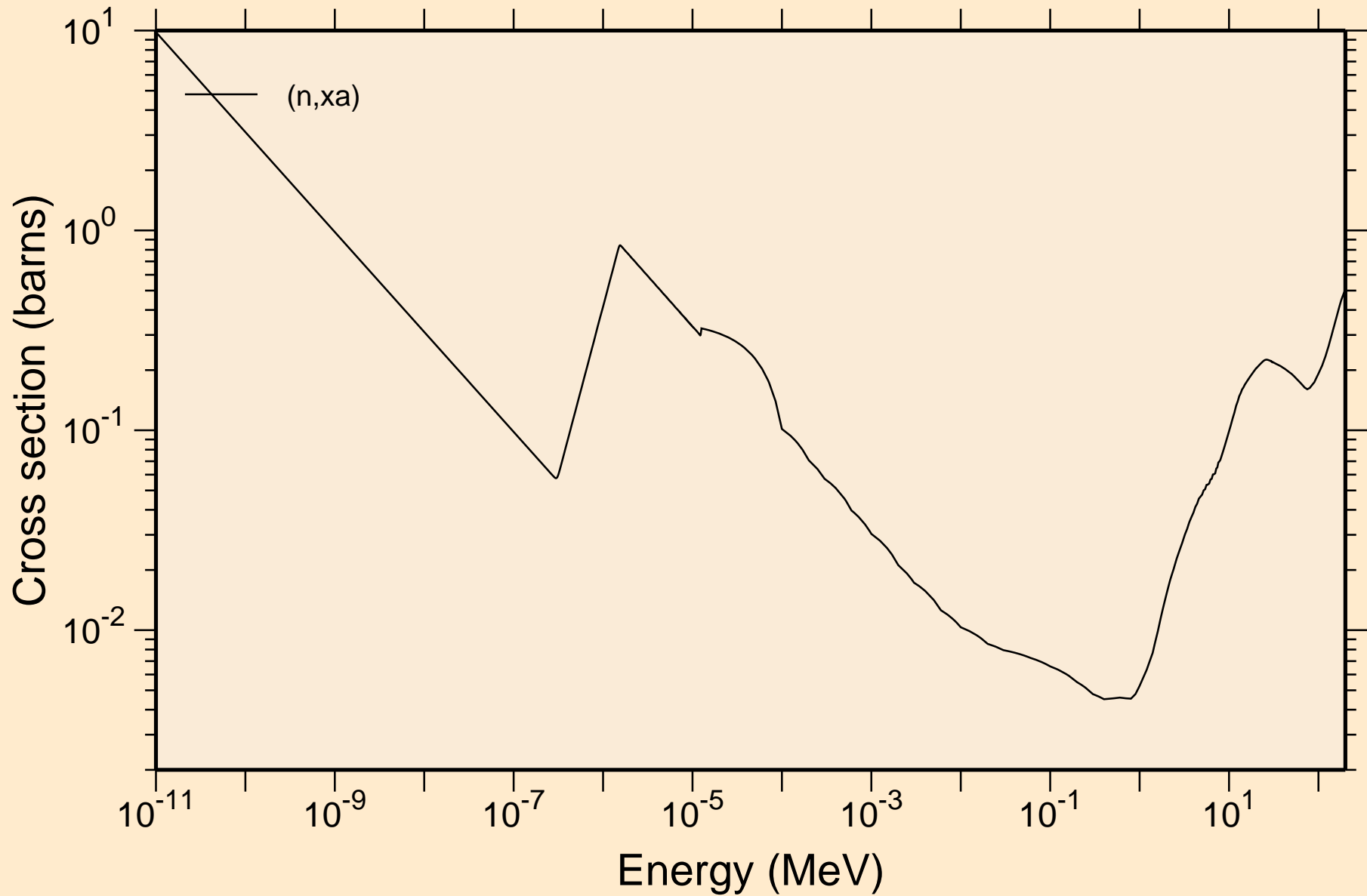


# I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

## Non-threshold reactions

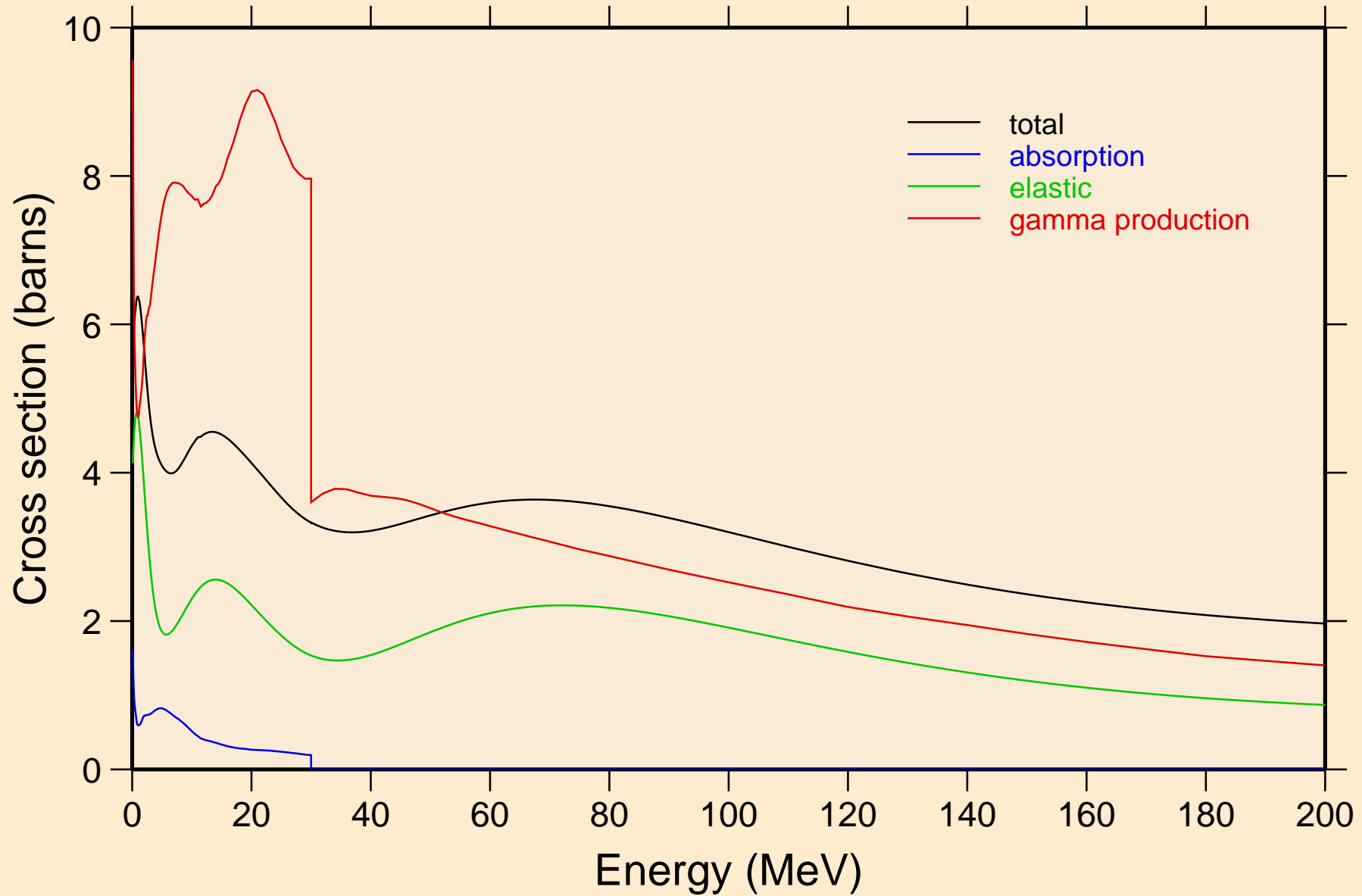


I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Non-threshold reactions



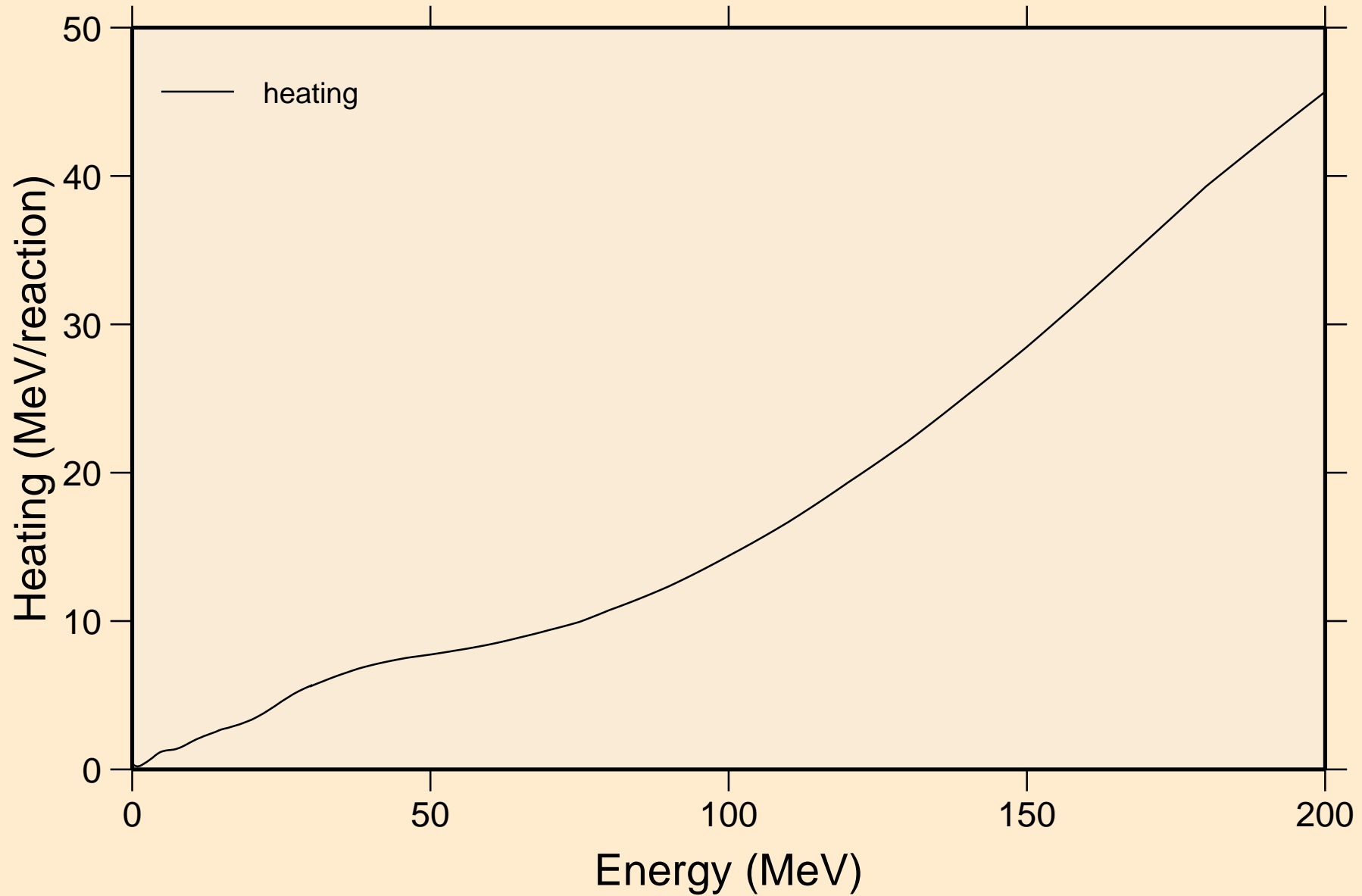
# I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

## Principal cross sections



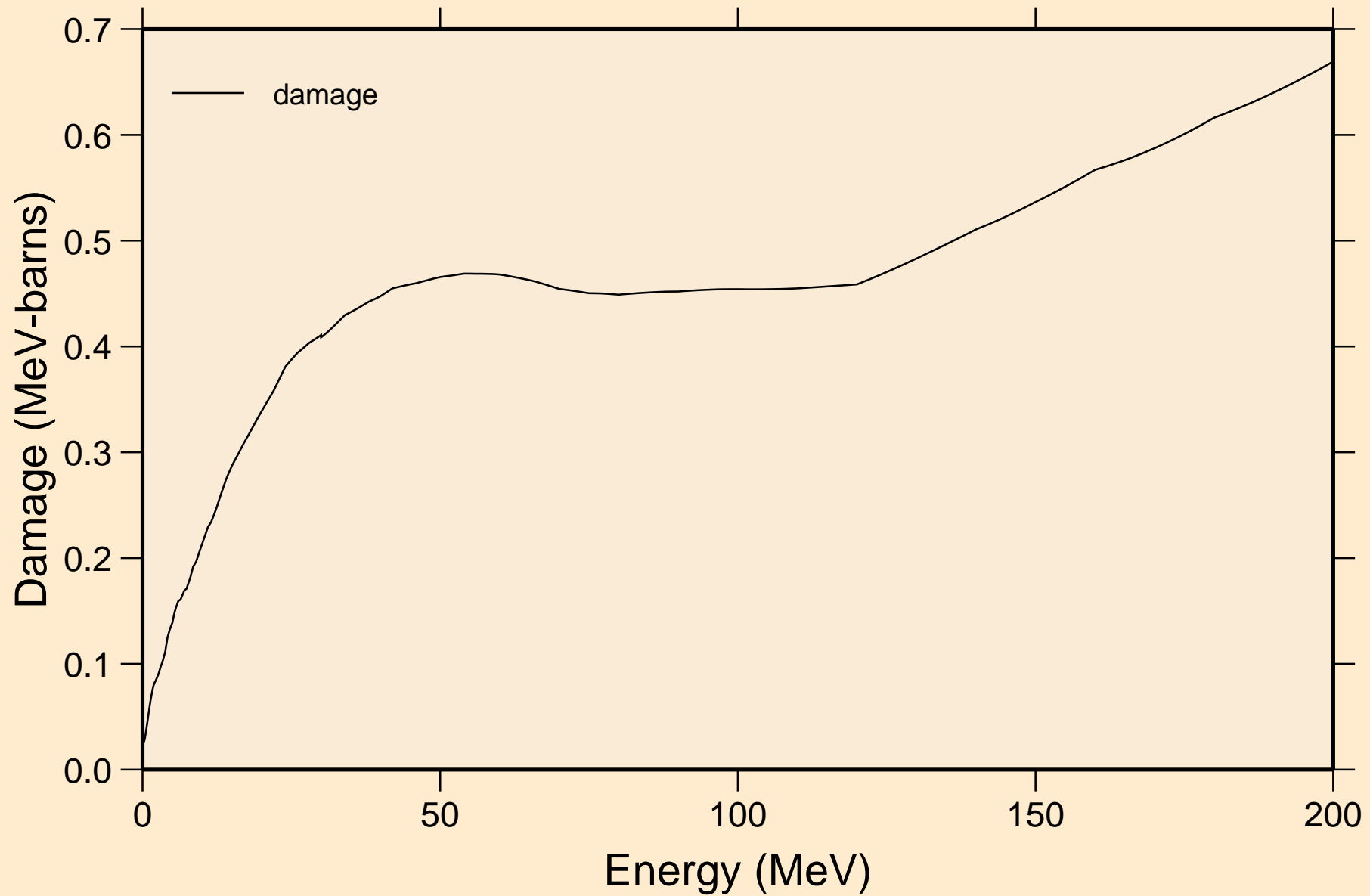
# I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

## Heating



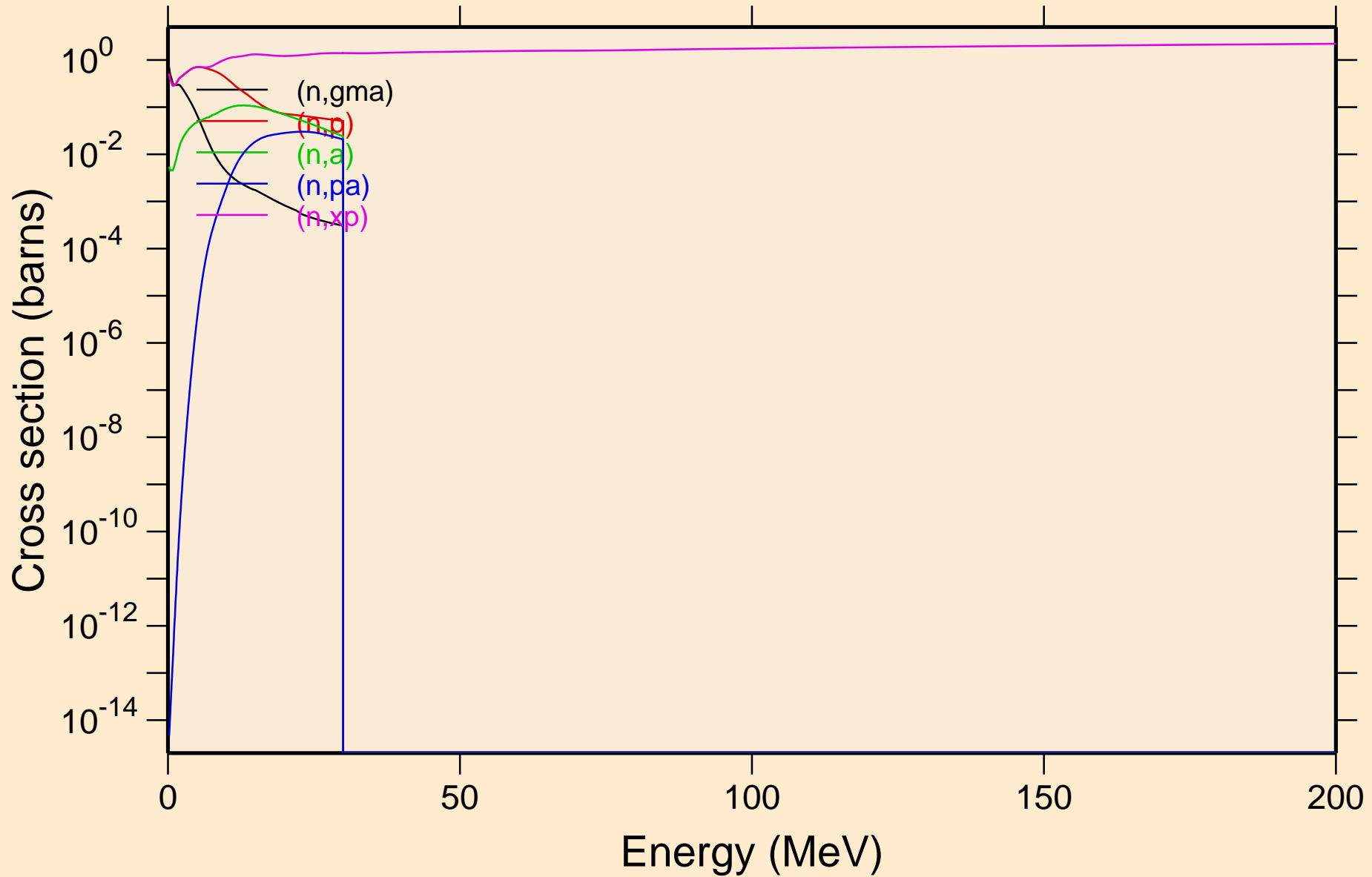
# I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

## Damage

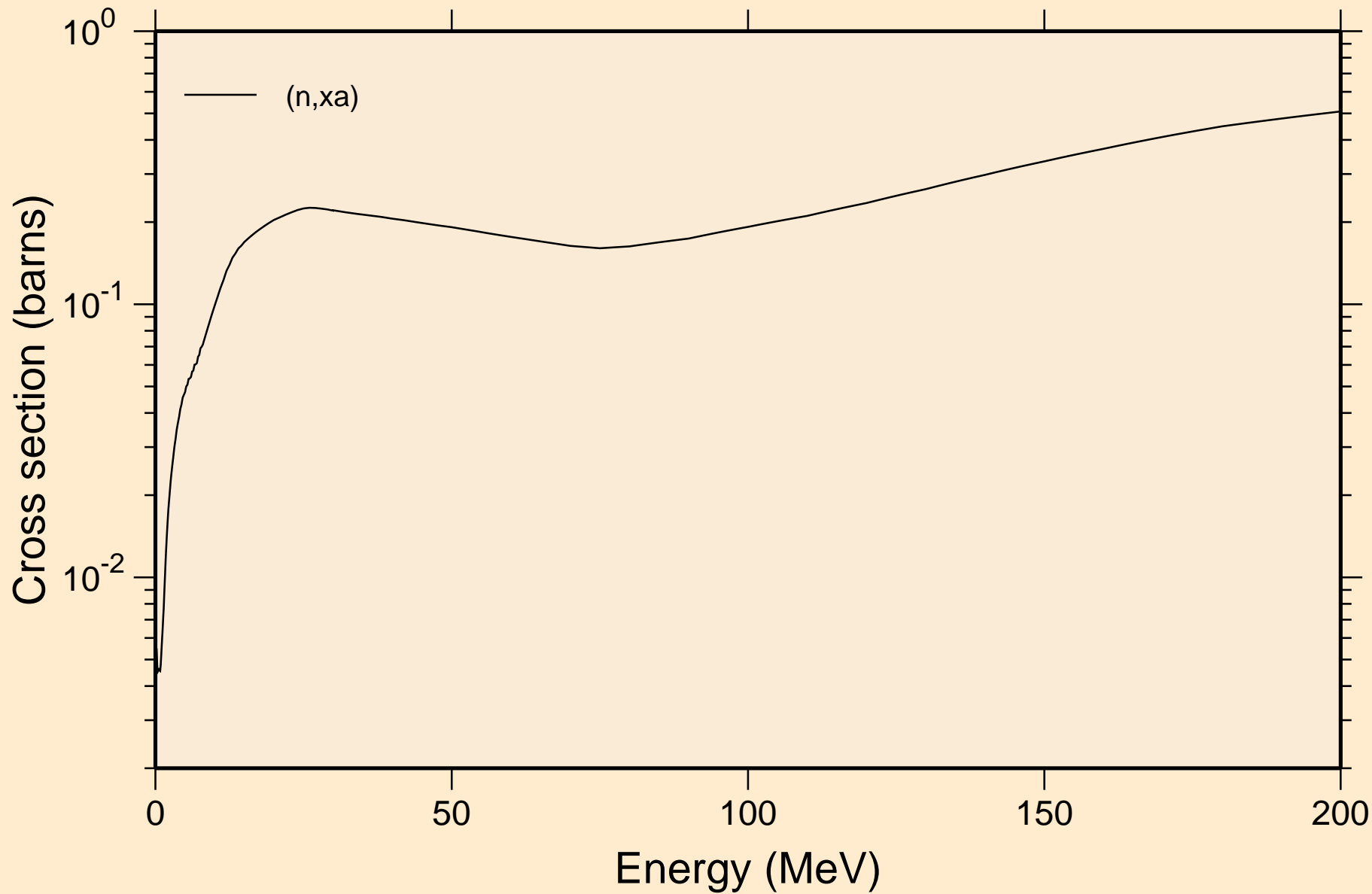


# I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

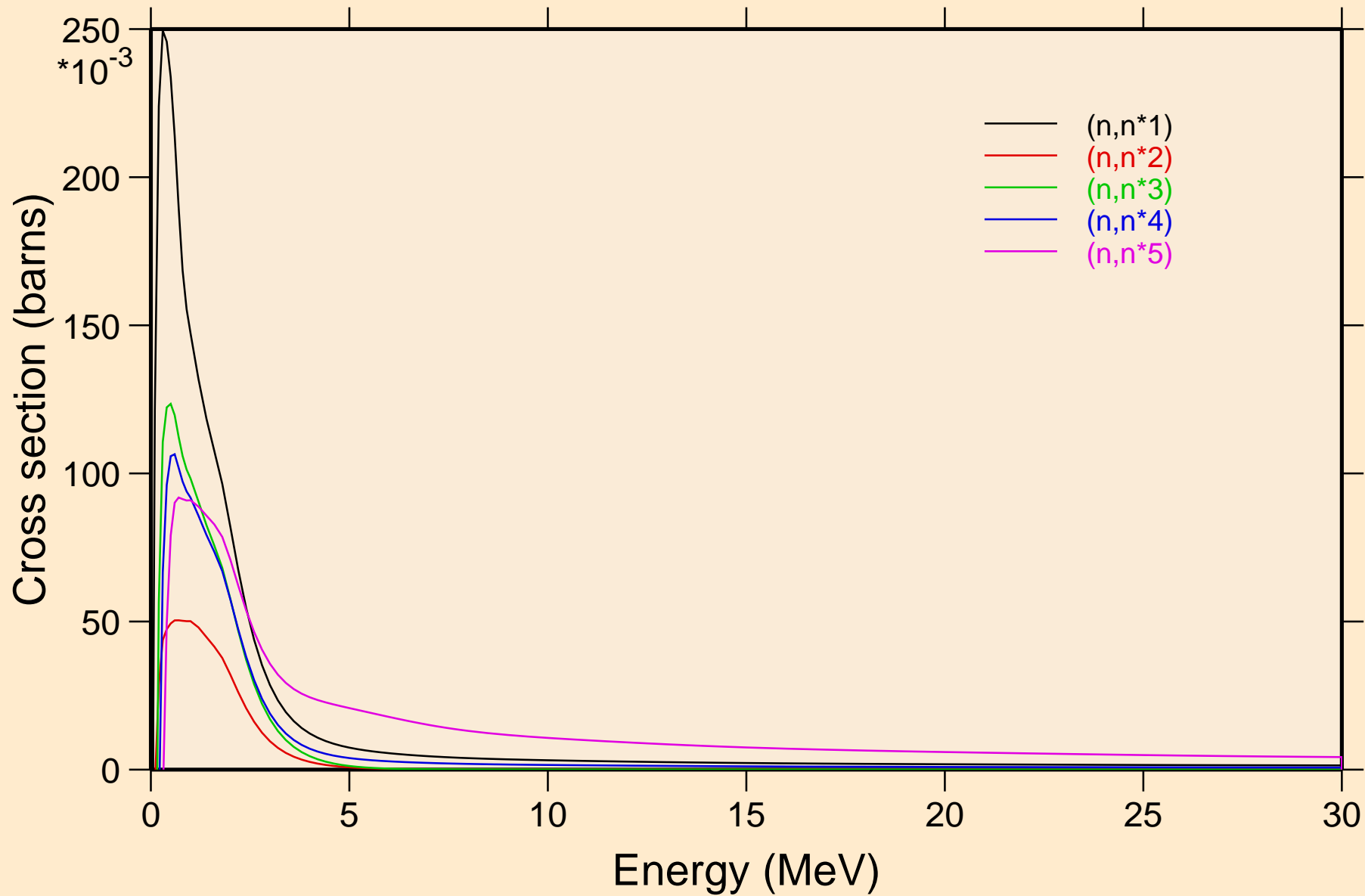
## Non-threshold reactions



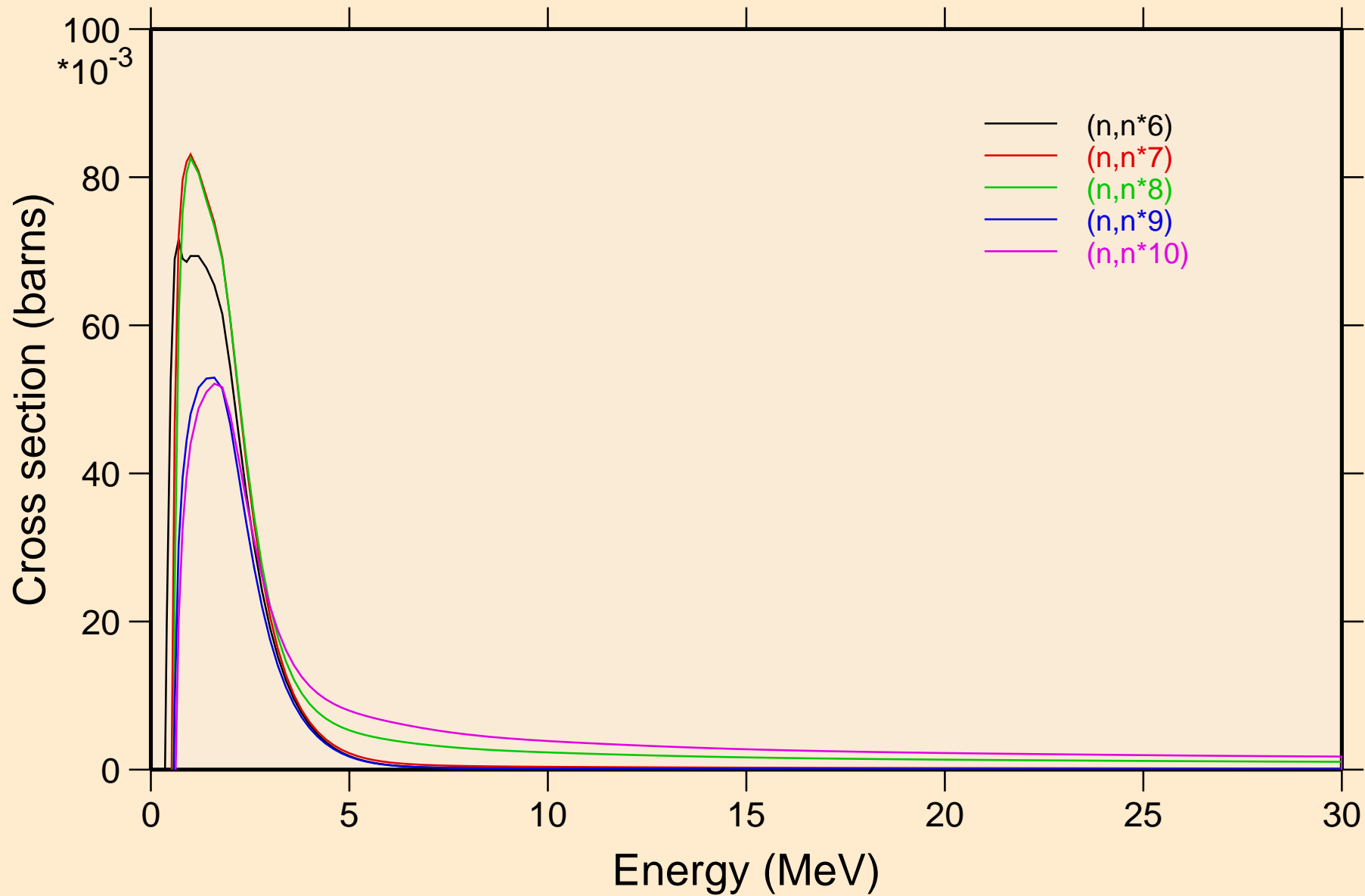
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Non-threshold reactions



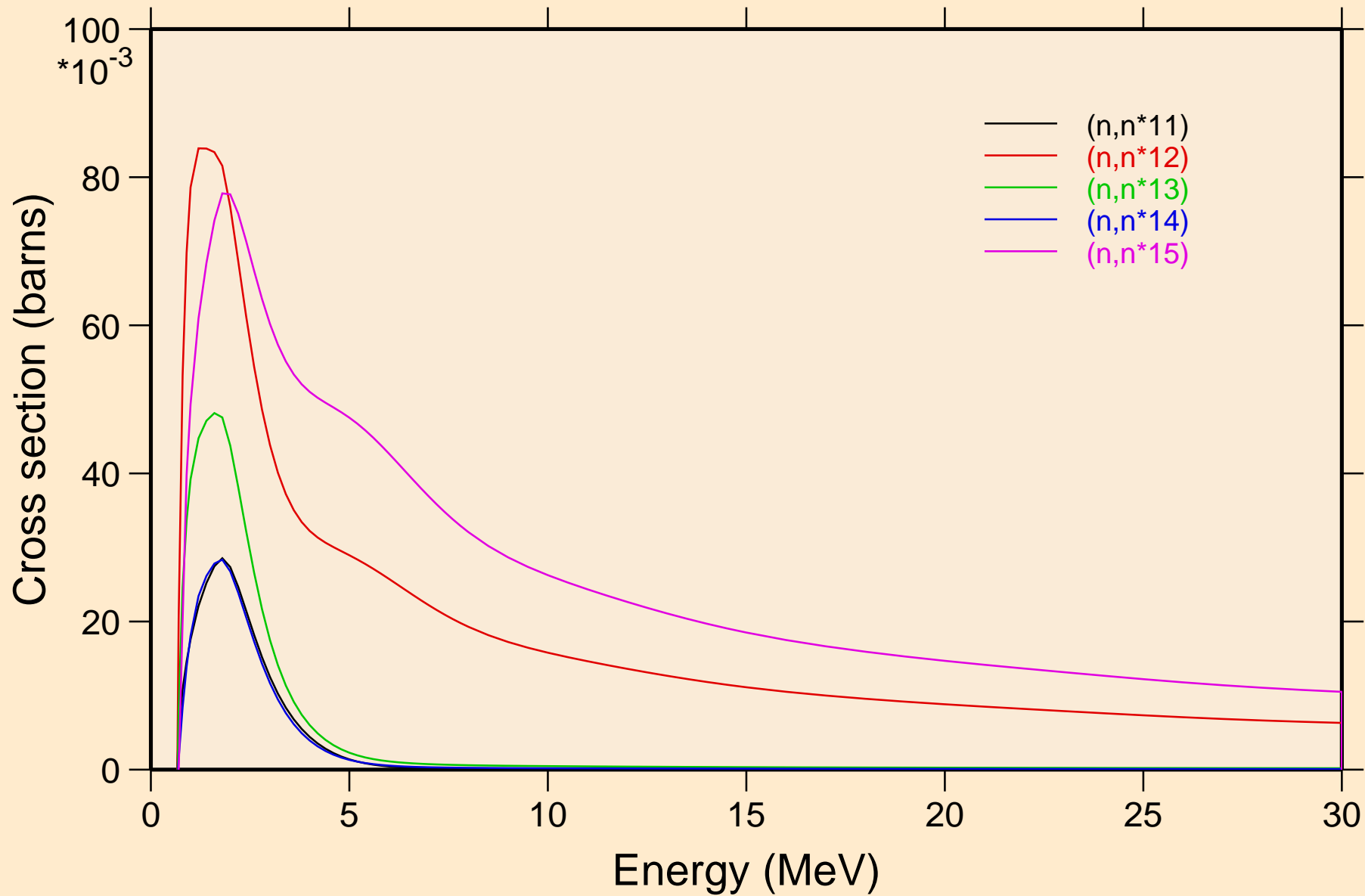
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Inelastic levels



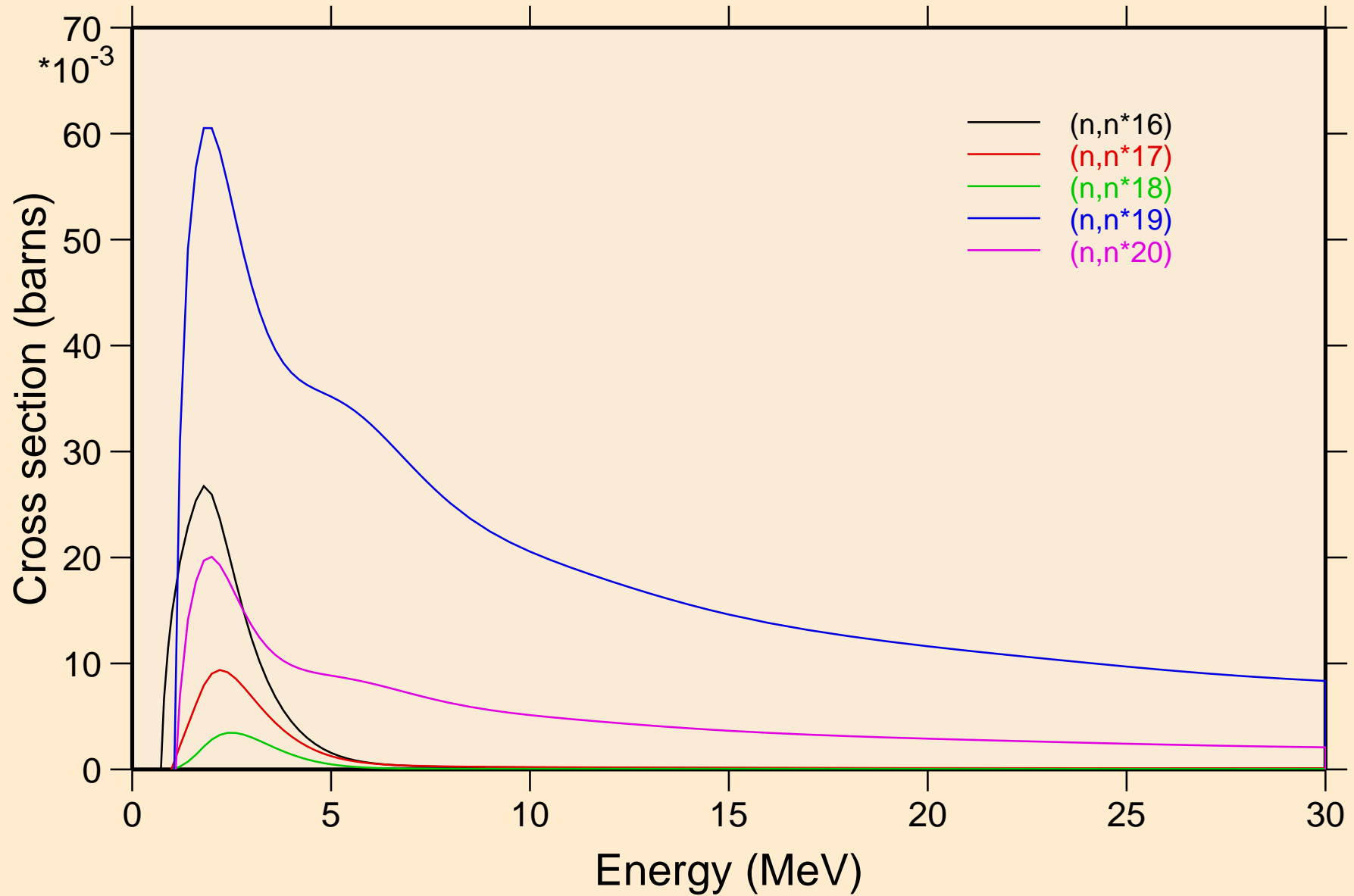
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Inelastic levels



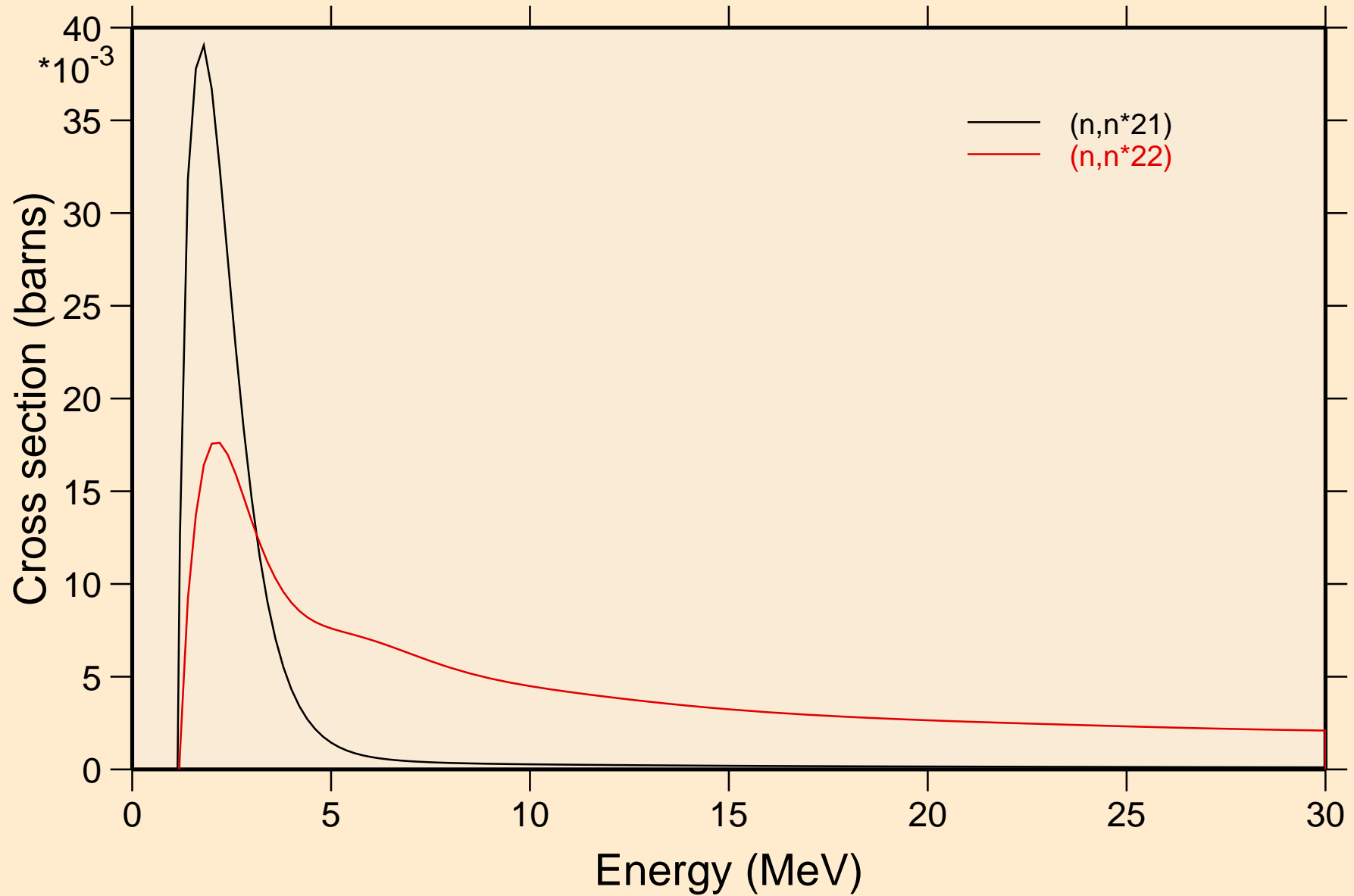
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Inelastic levels



I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Inelastic levels

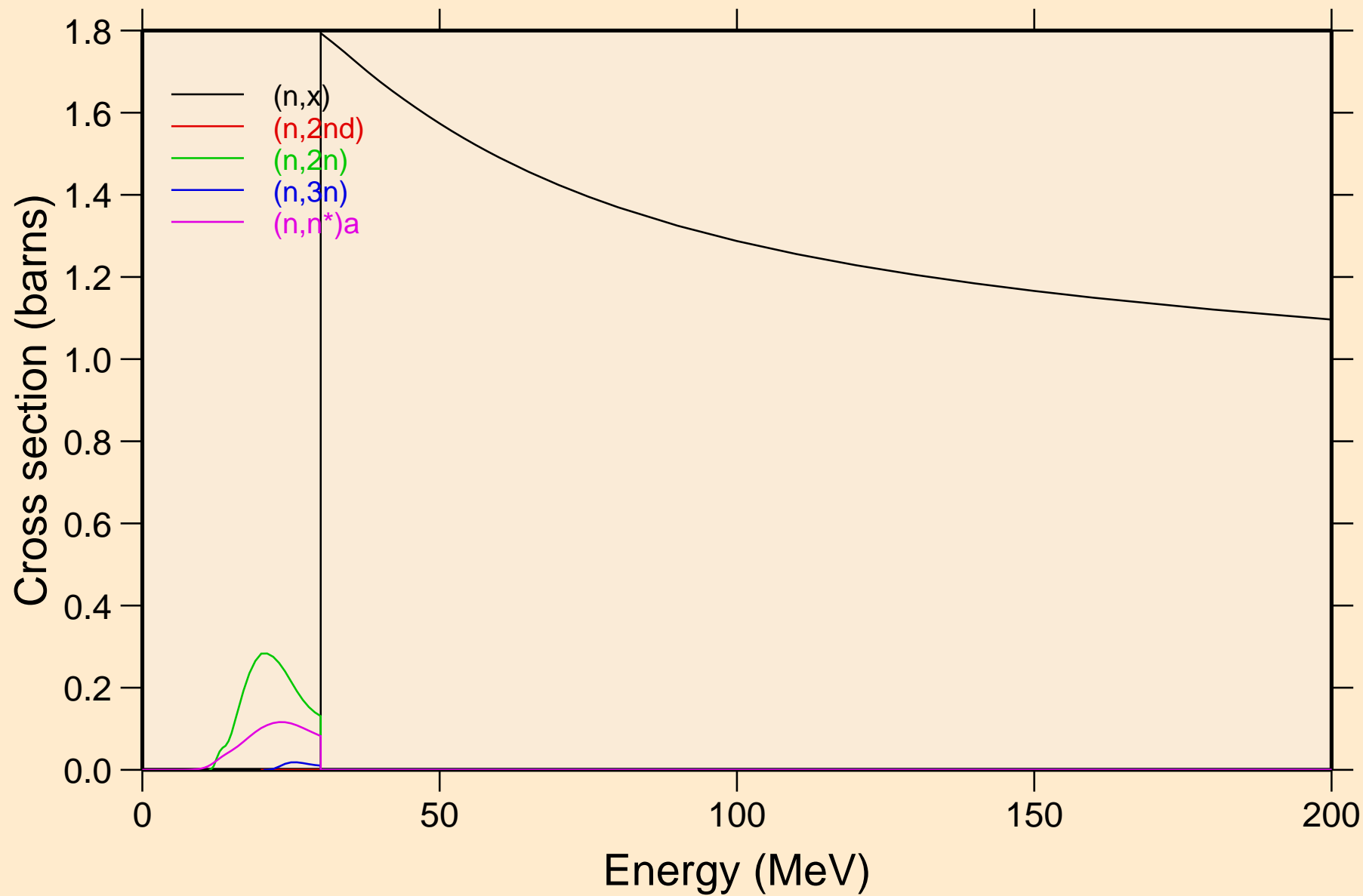


I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Inelastic levels

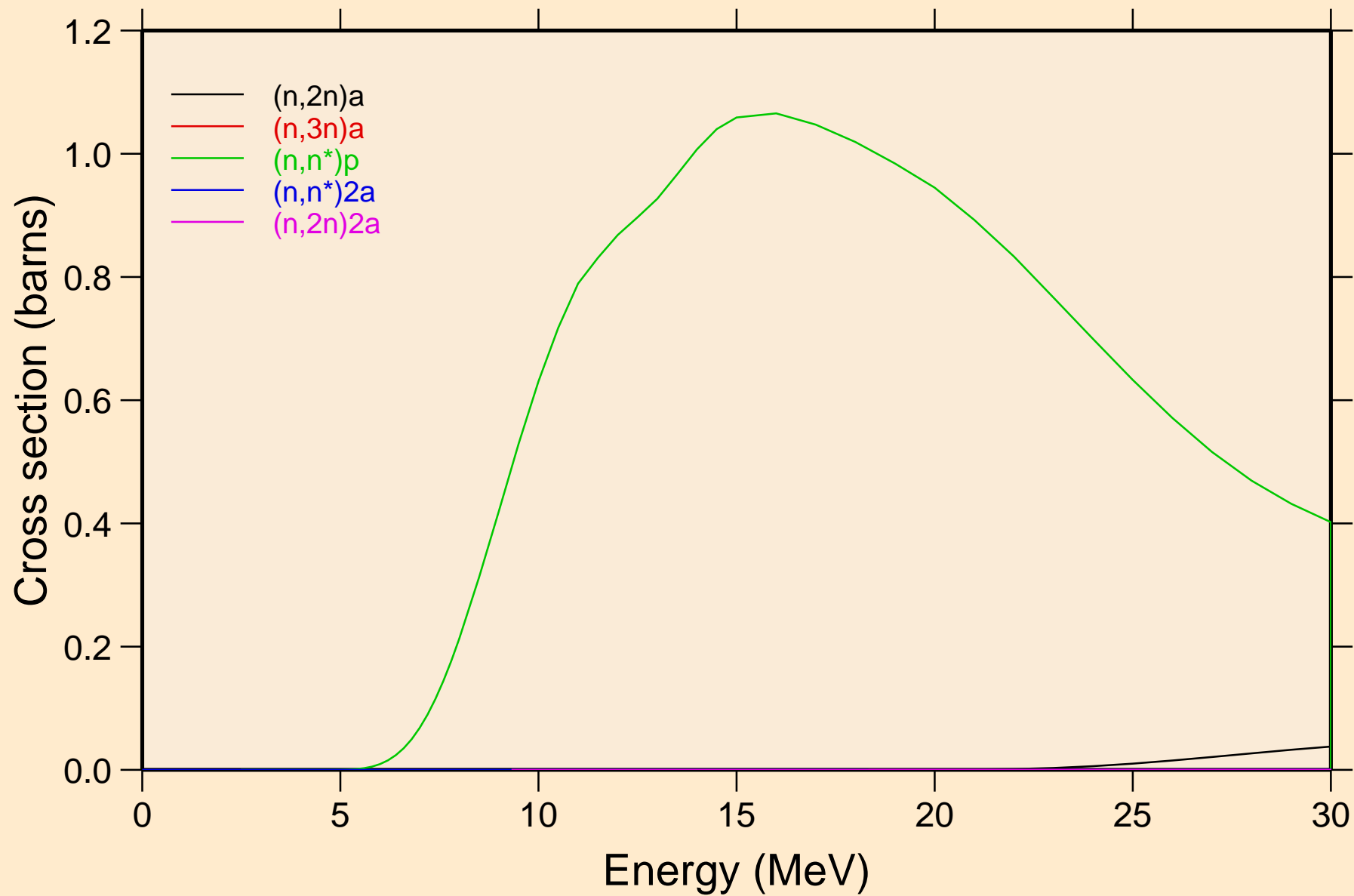


# I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

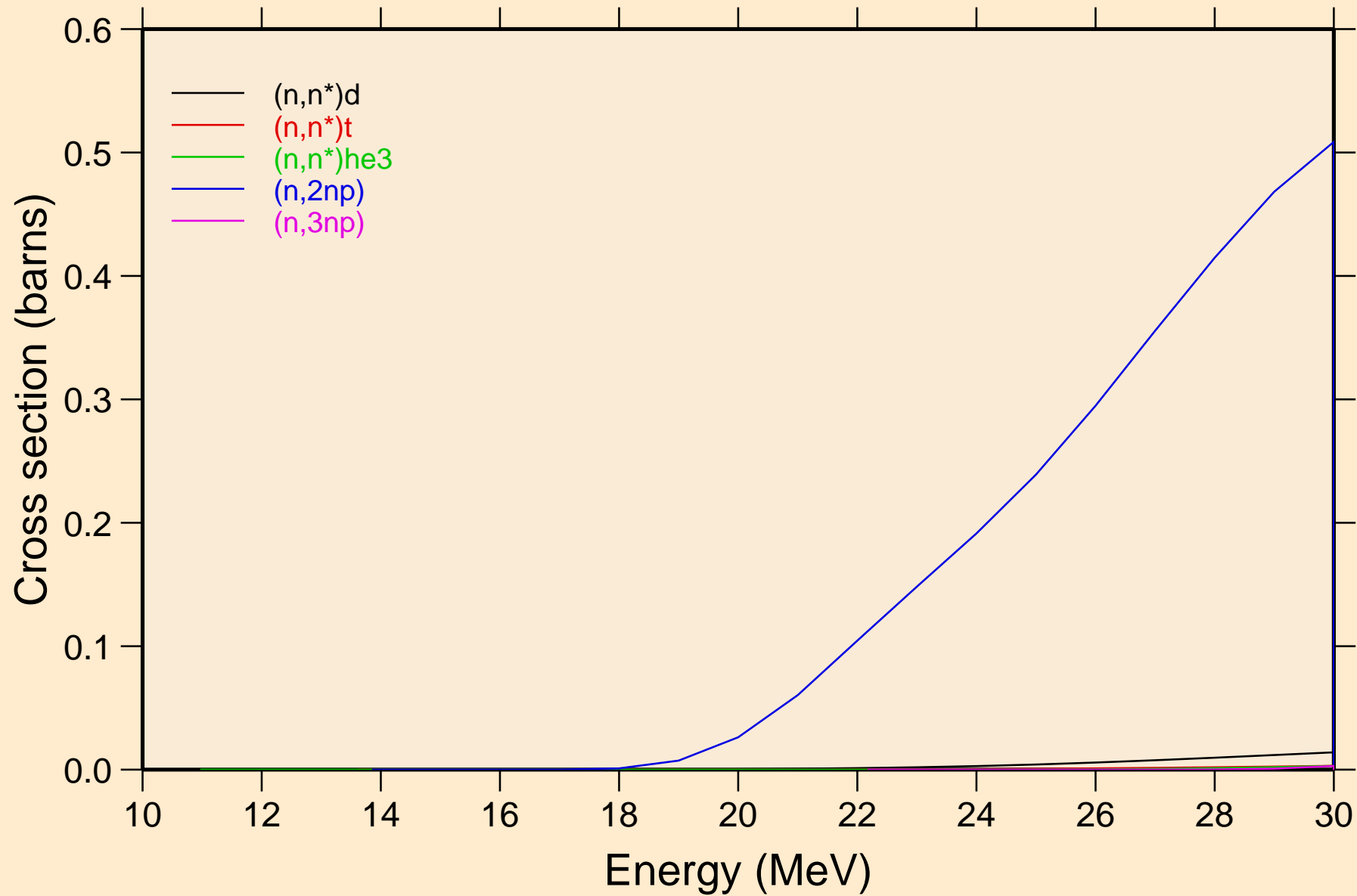
## Threshold reactions



I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Threshold reactions

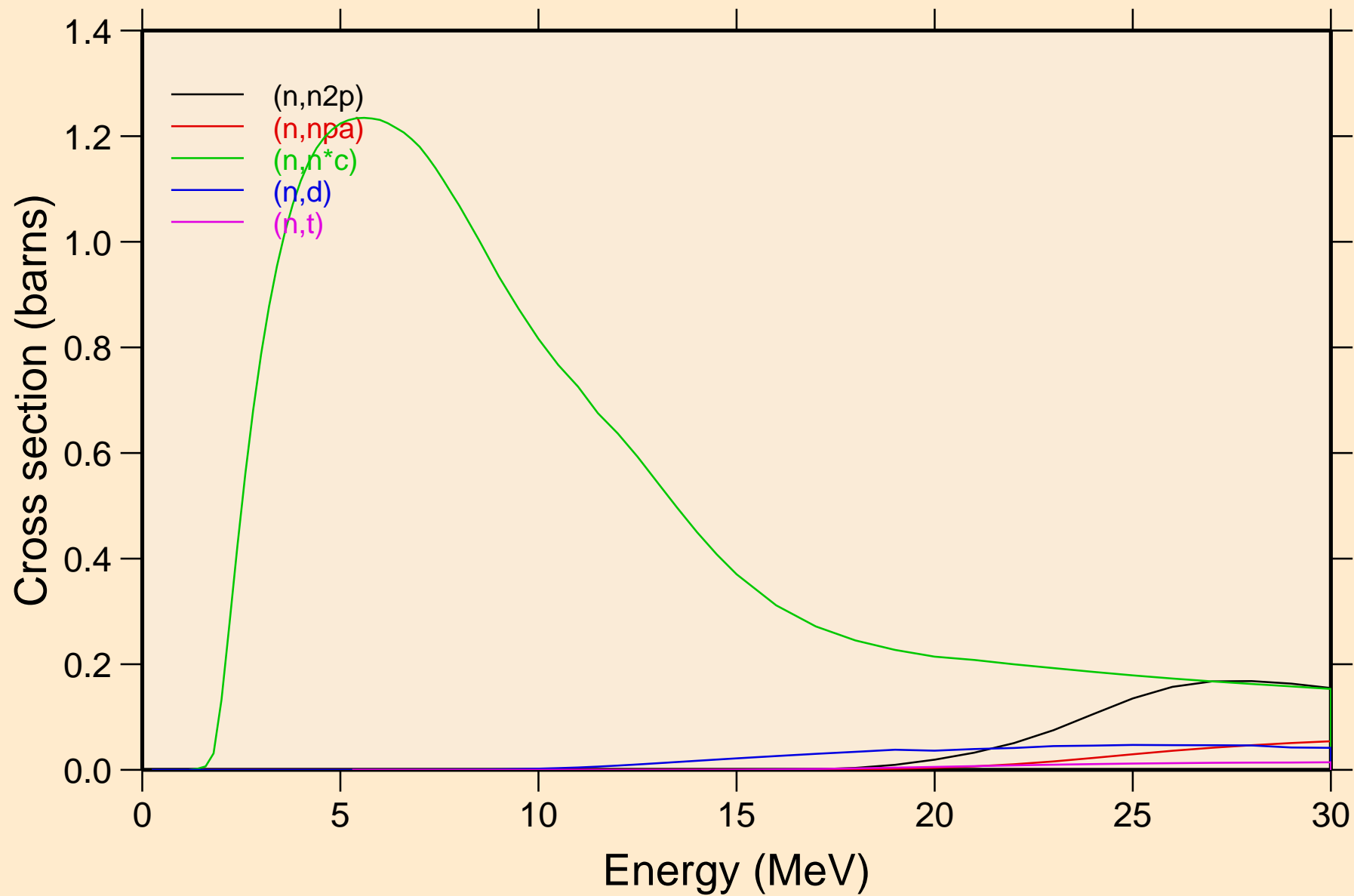


I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Threshold reactions

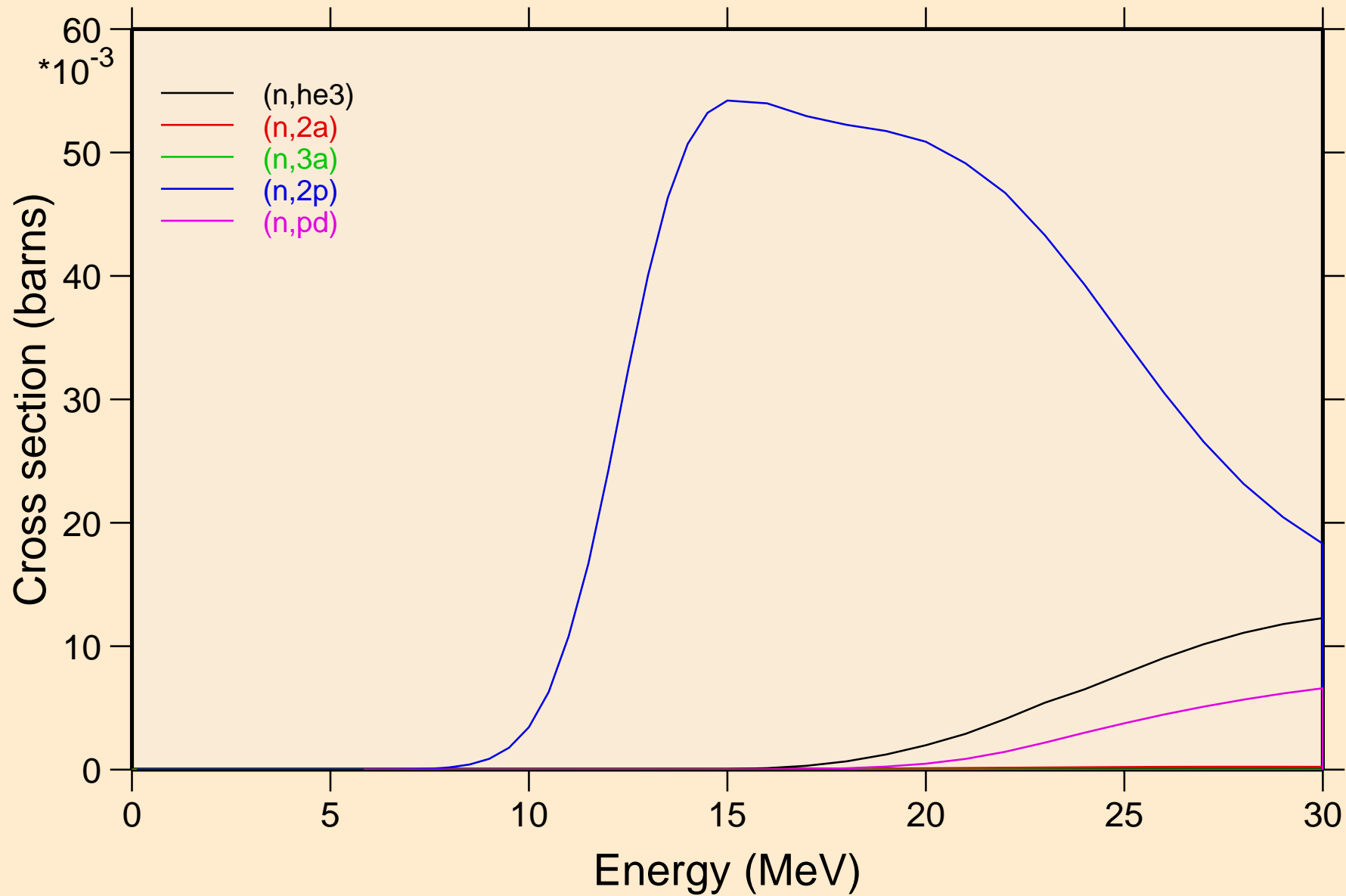


# I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

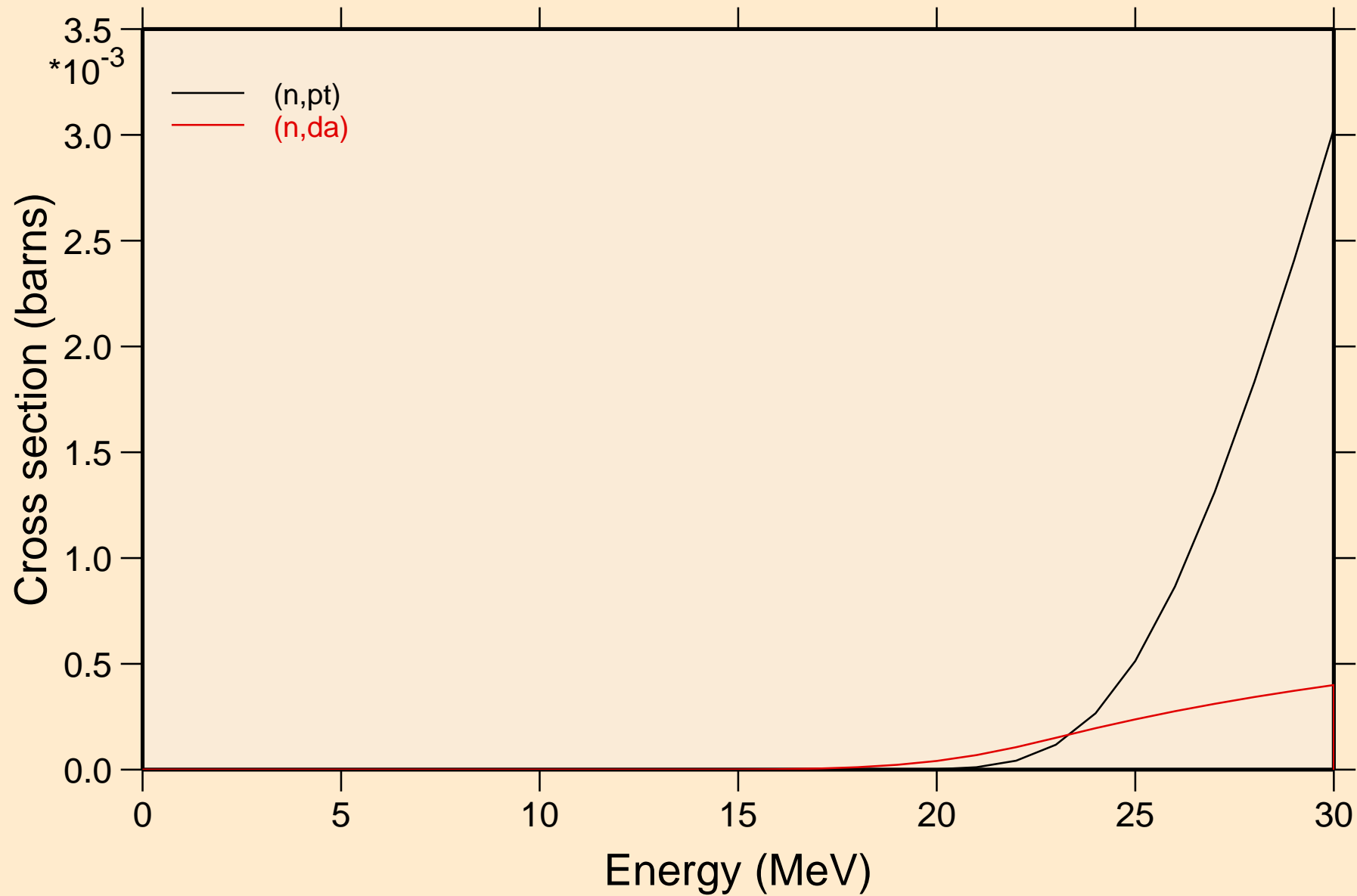
## Threshold reactions



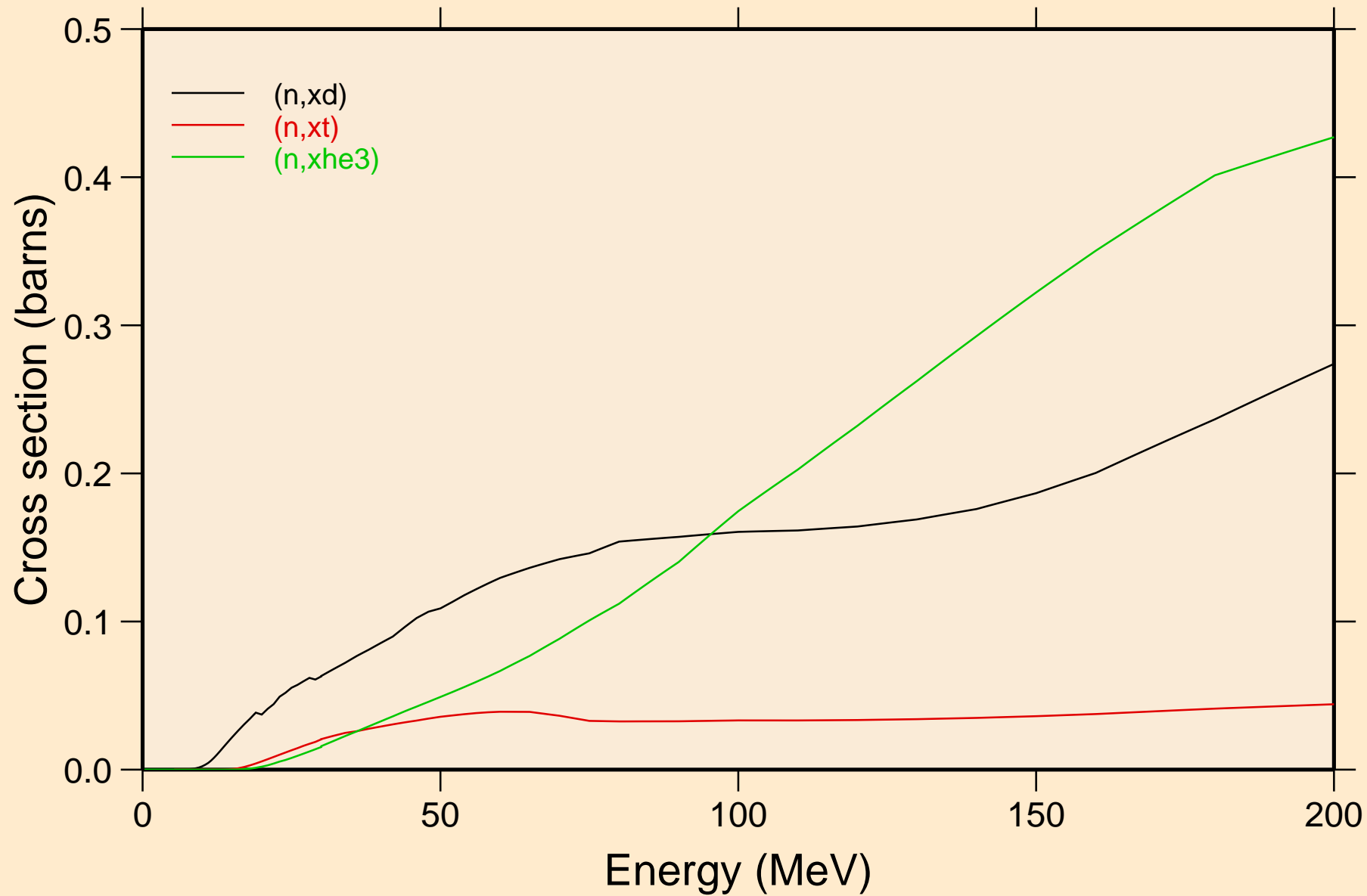
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Threshold reactions



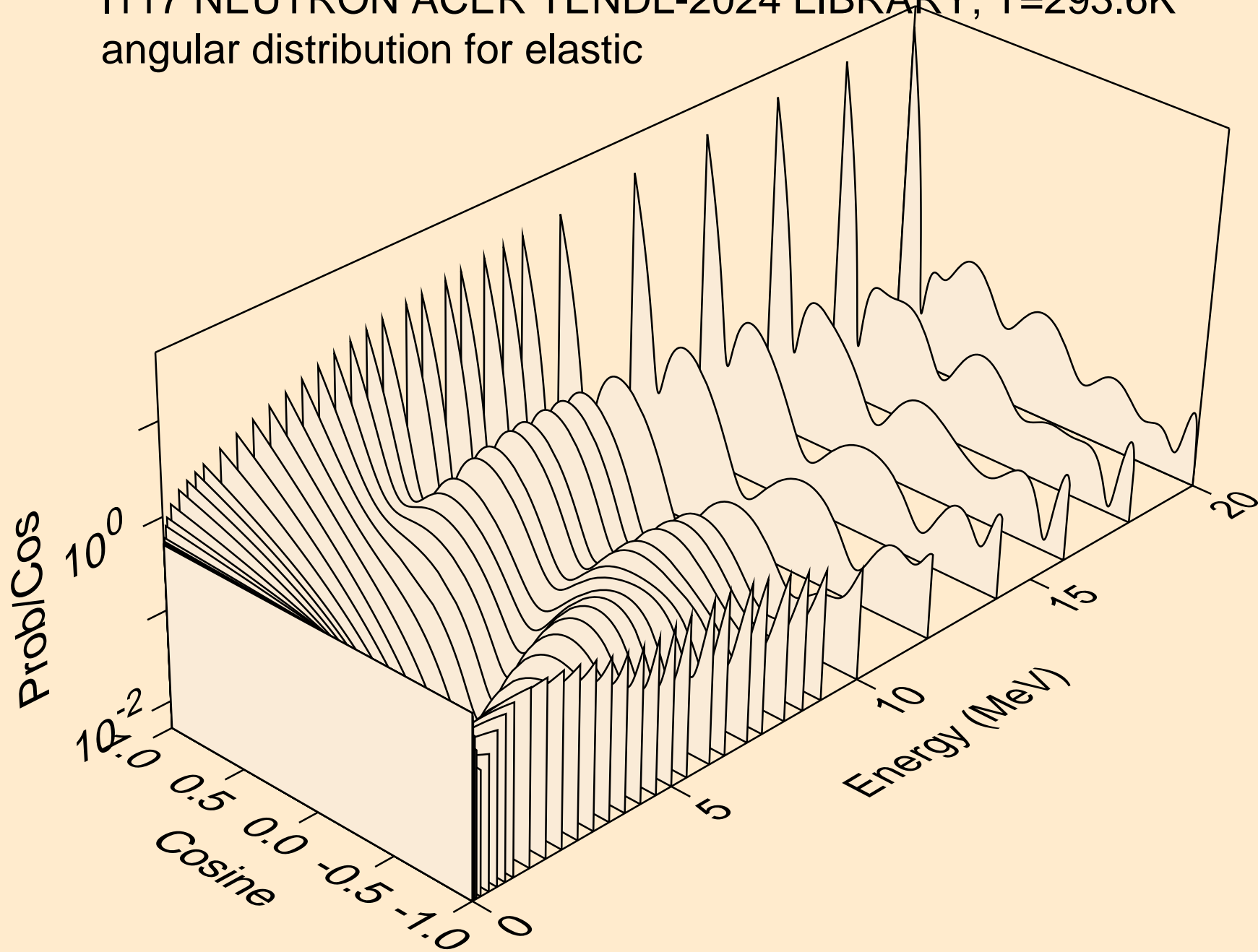
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Threshold reactions



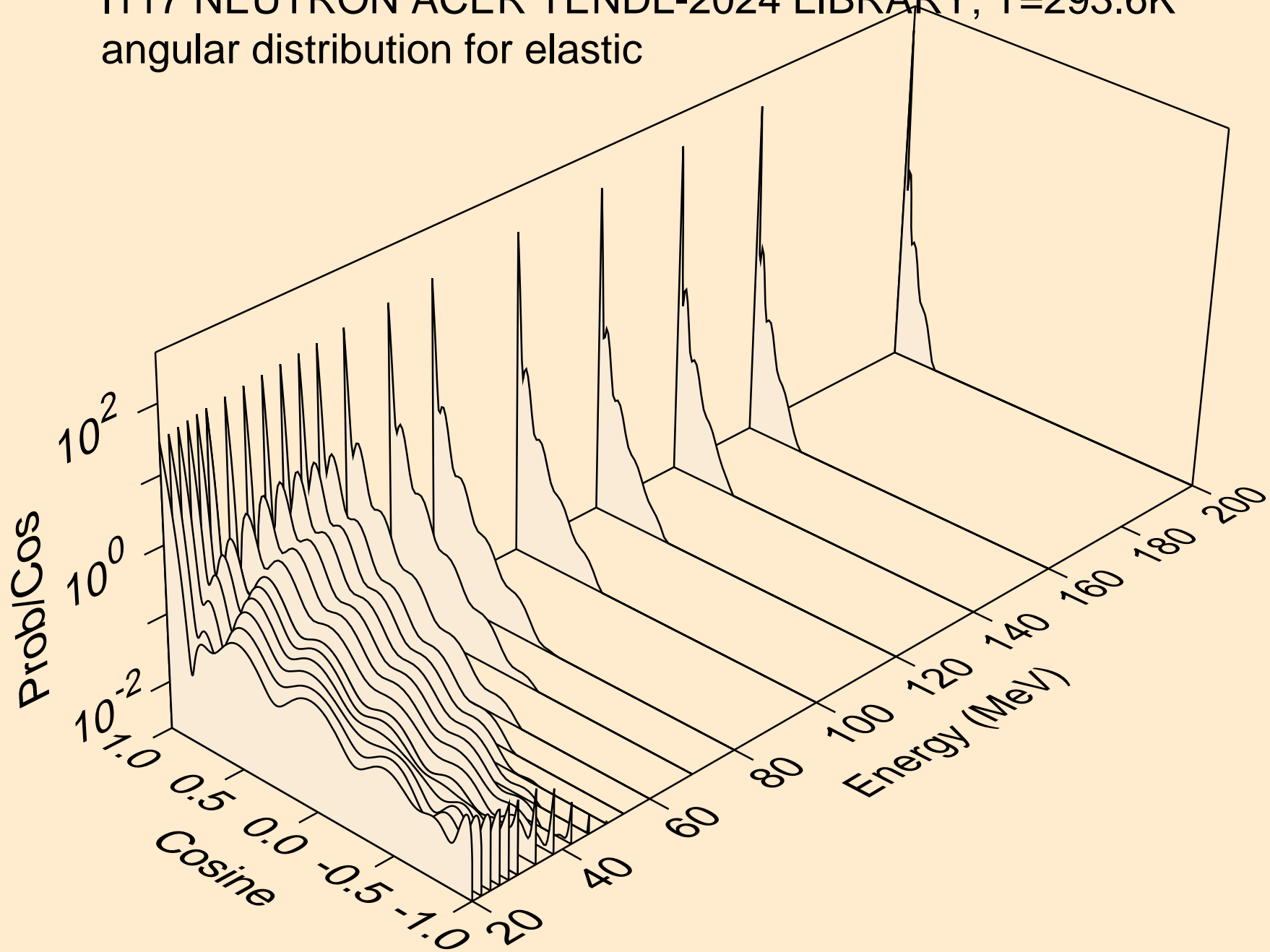
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Threshold reactions



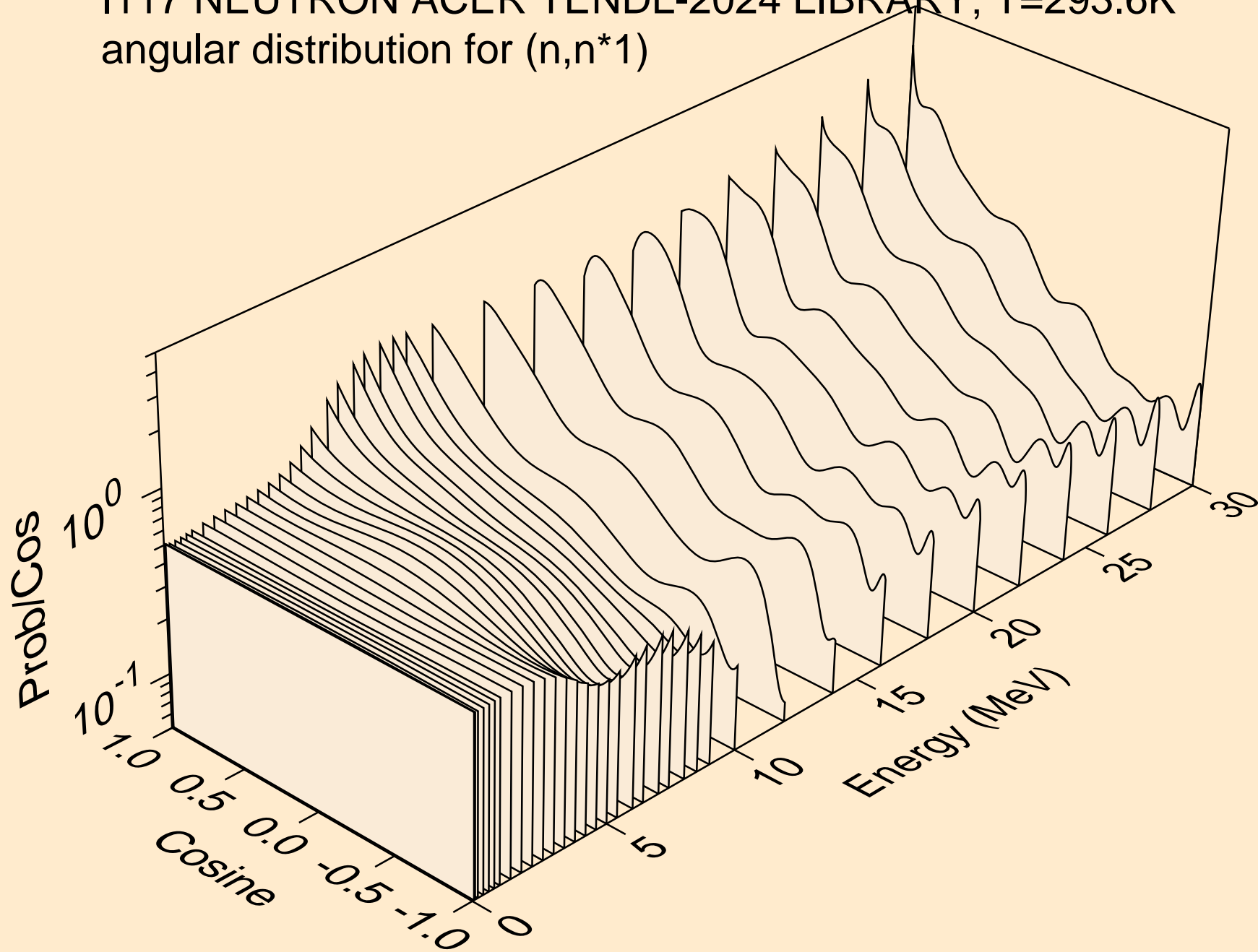
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for elastic



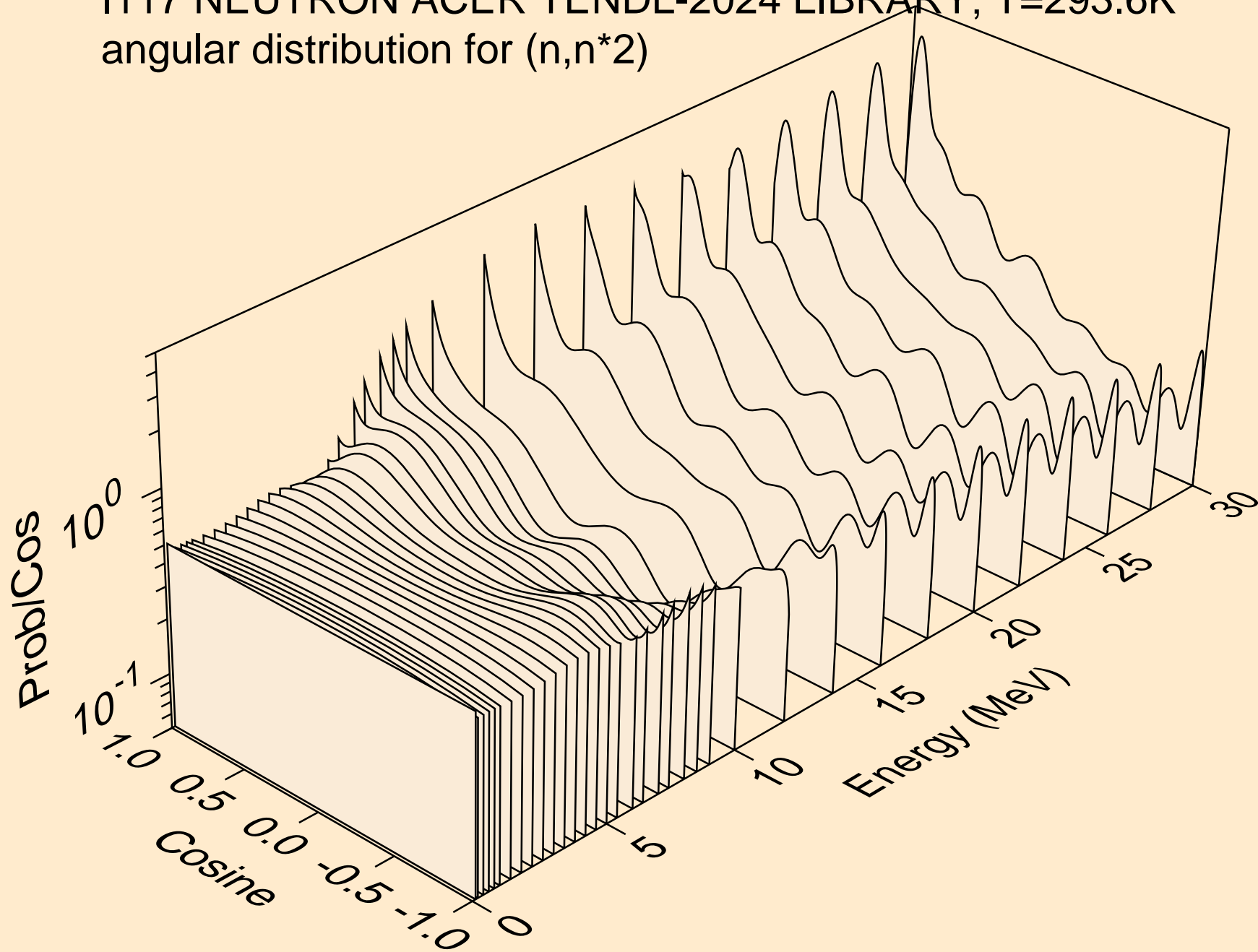
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for elastic



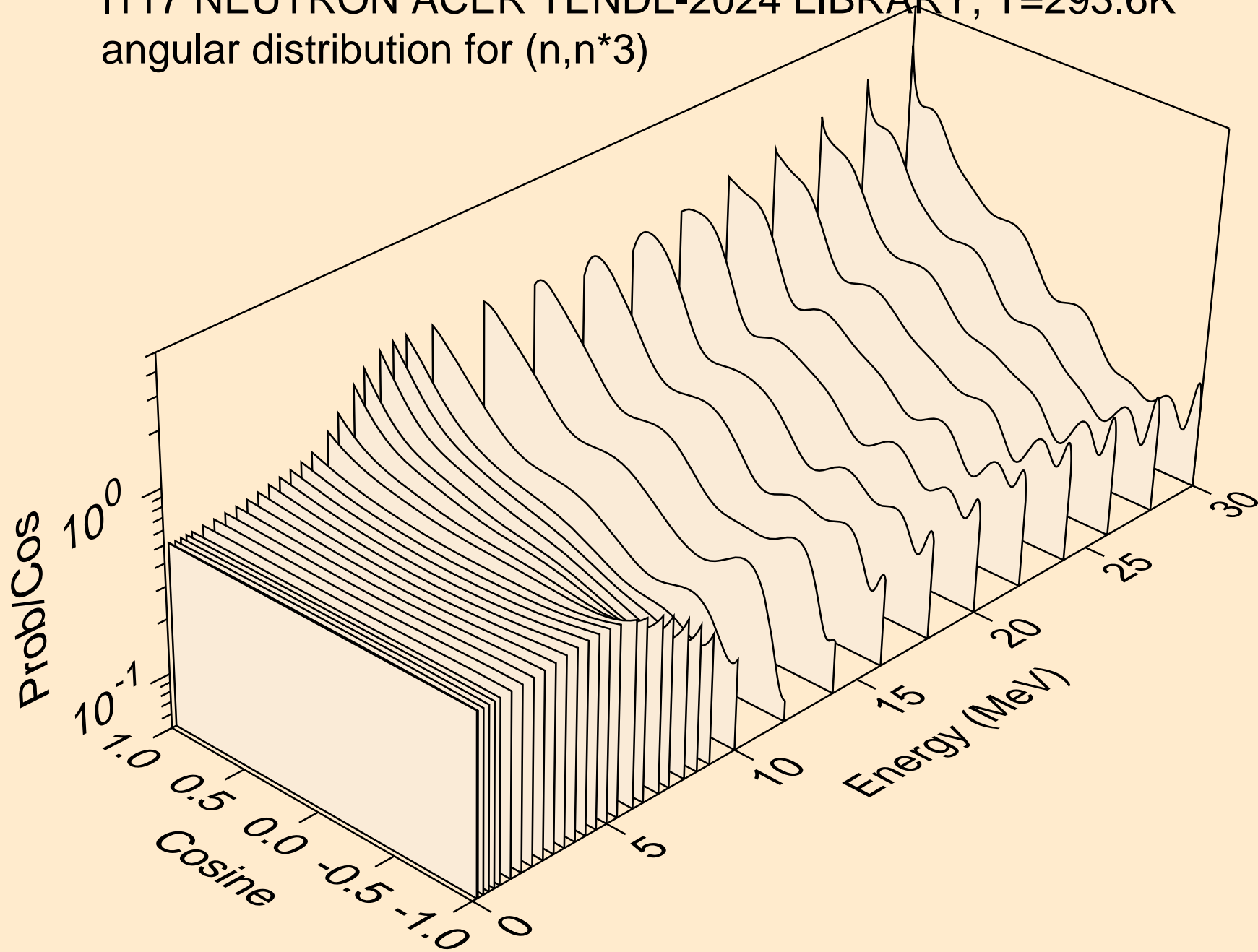
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*1)



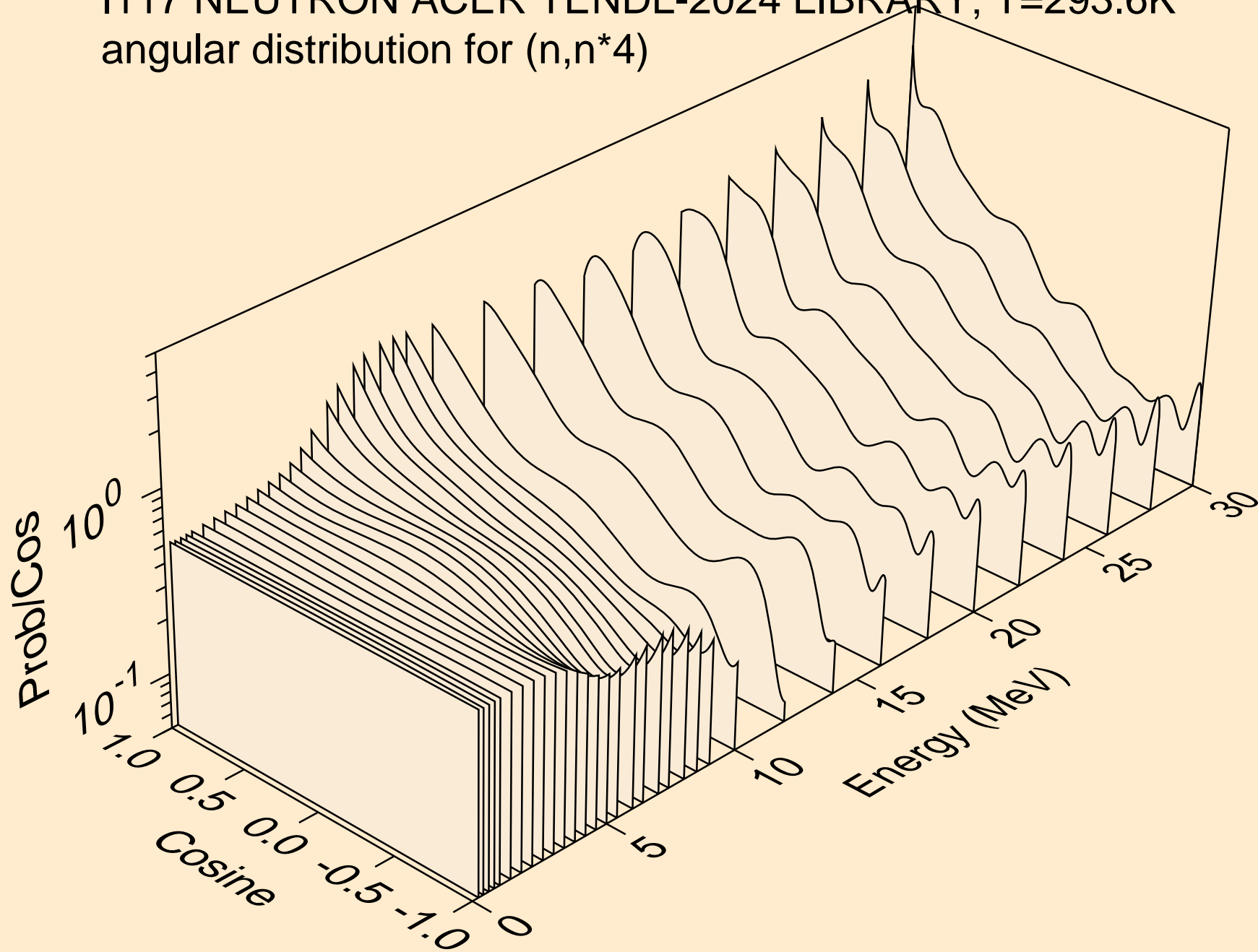
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*2)



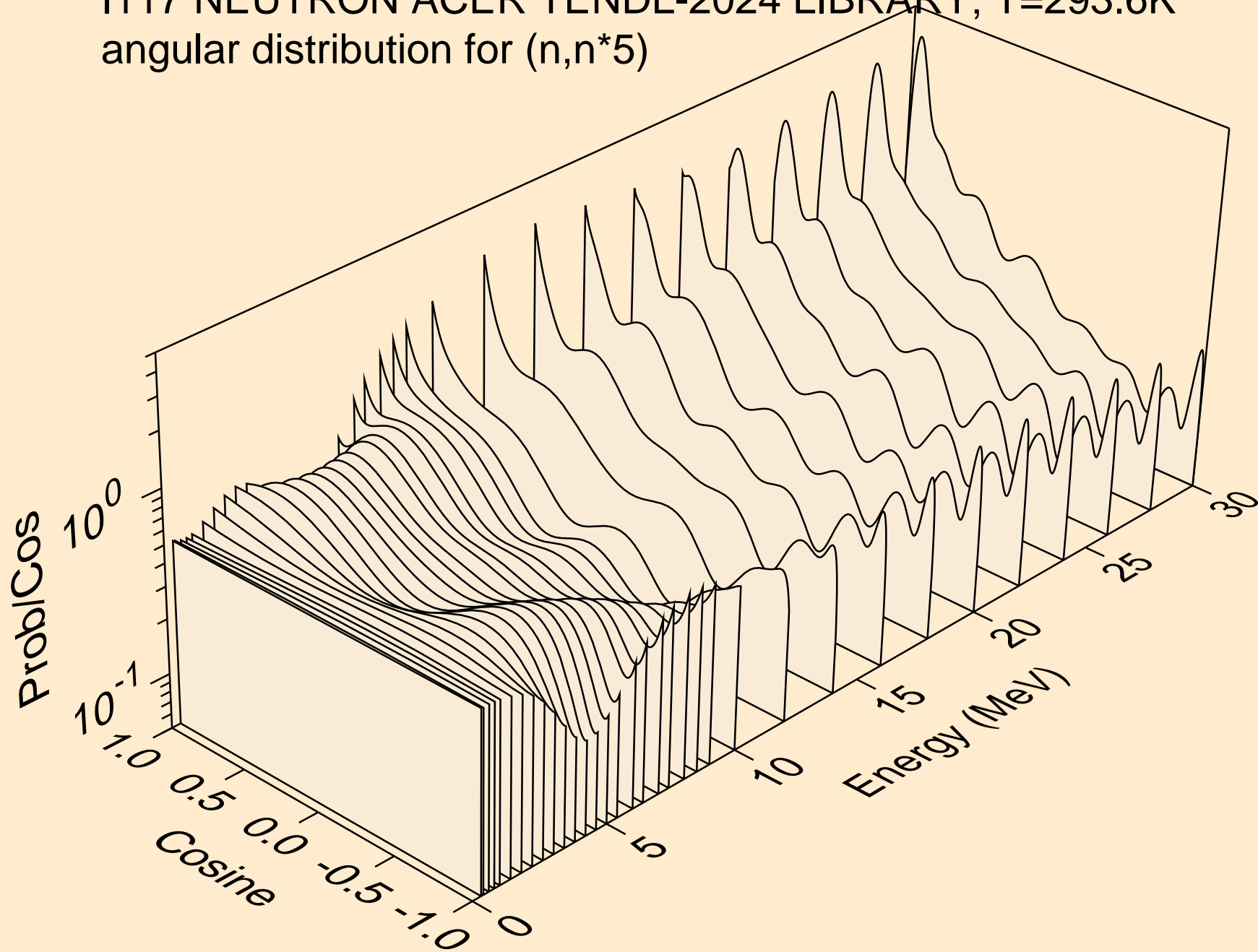
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*3)



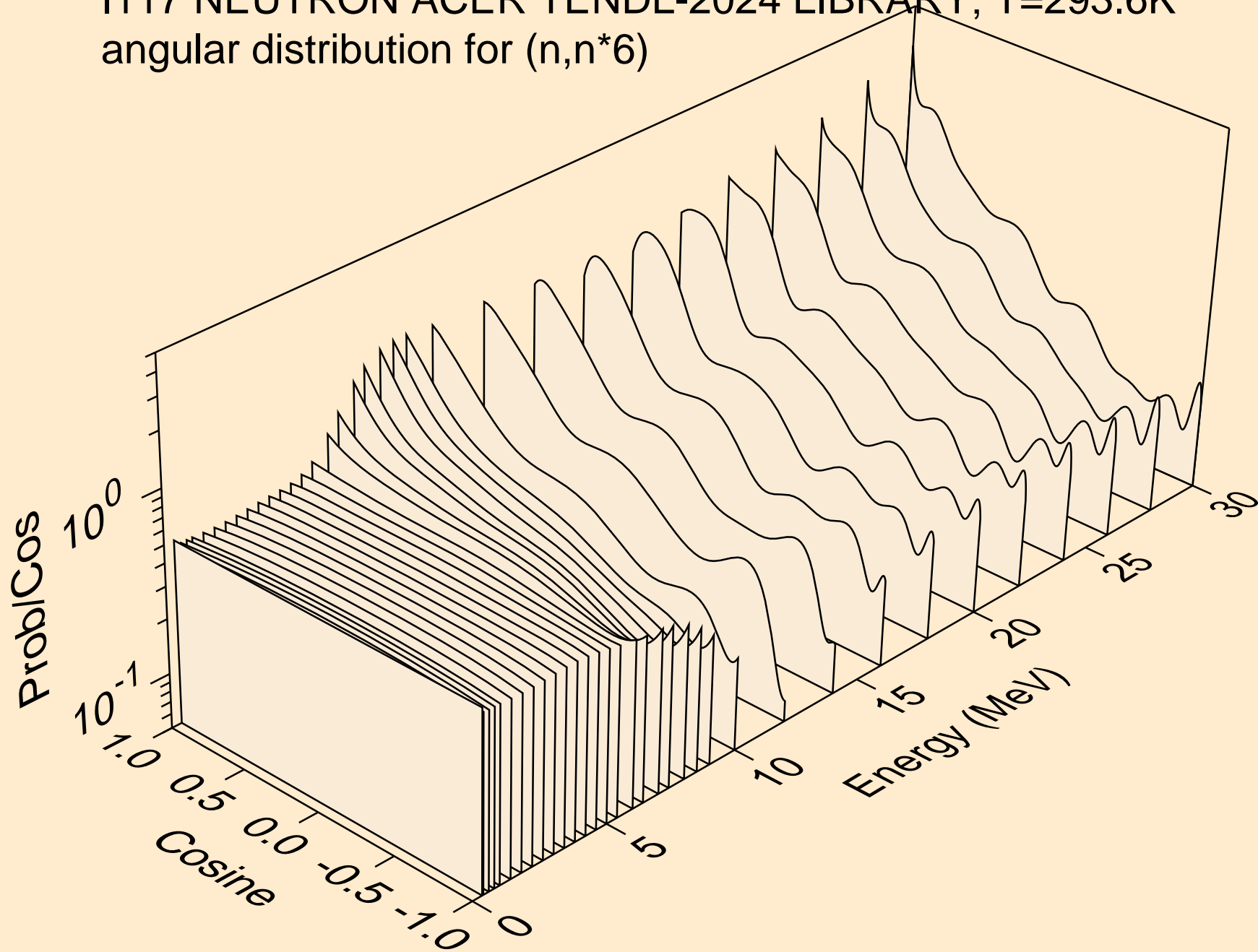
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*4)



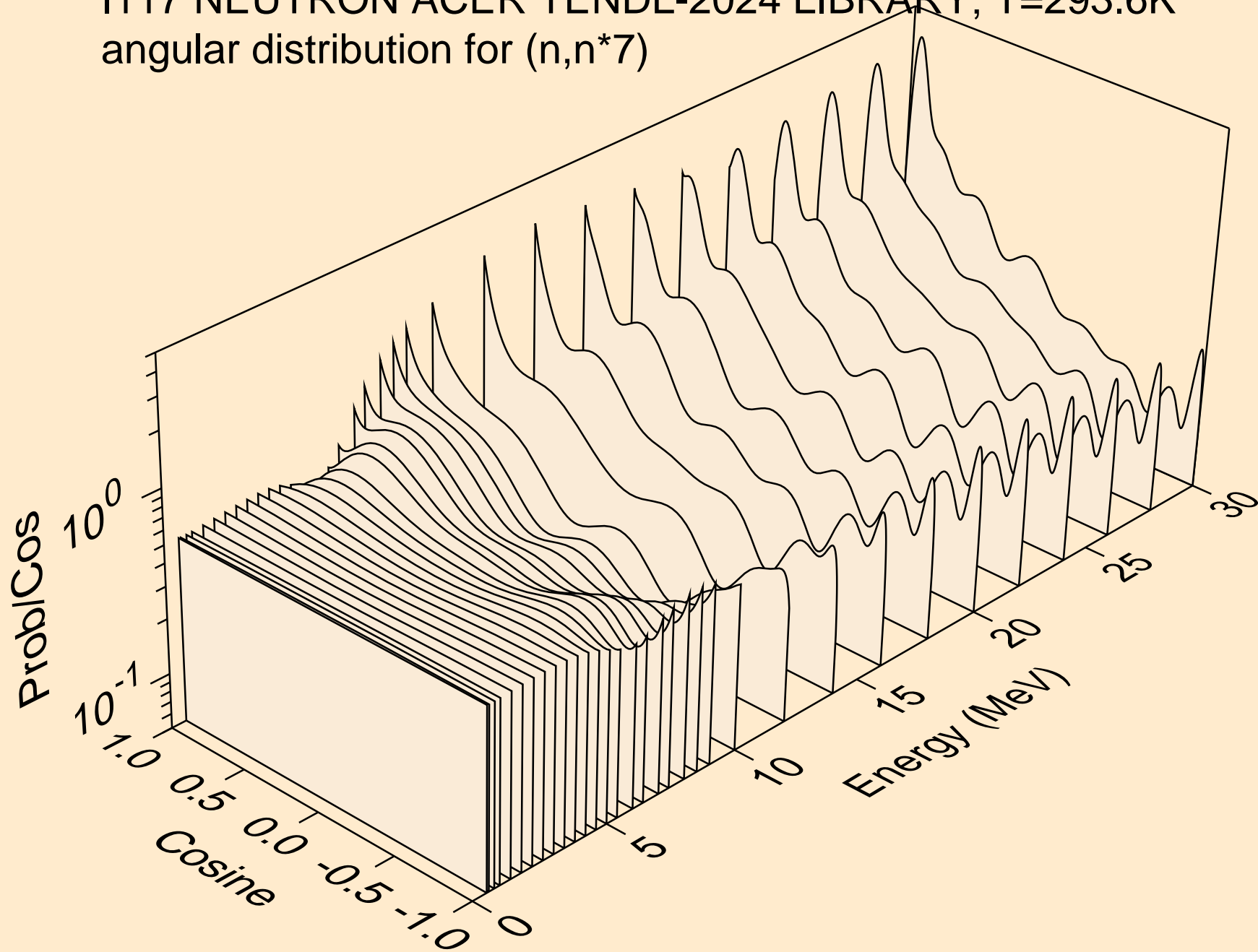
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*5)



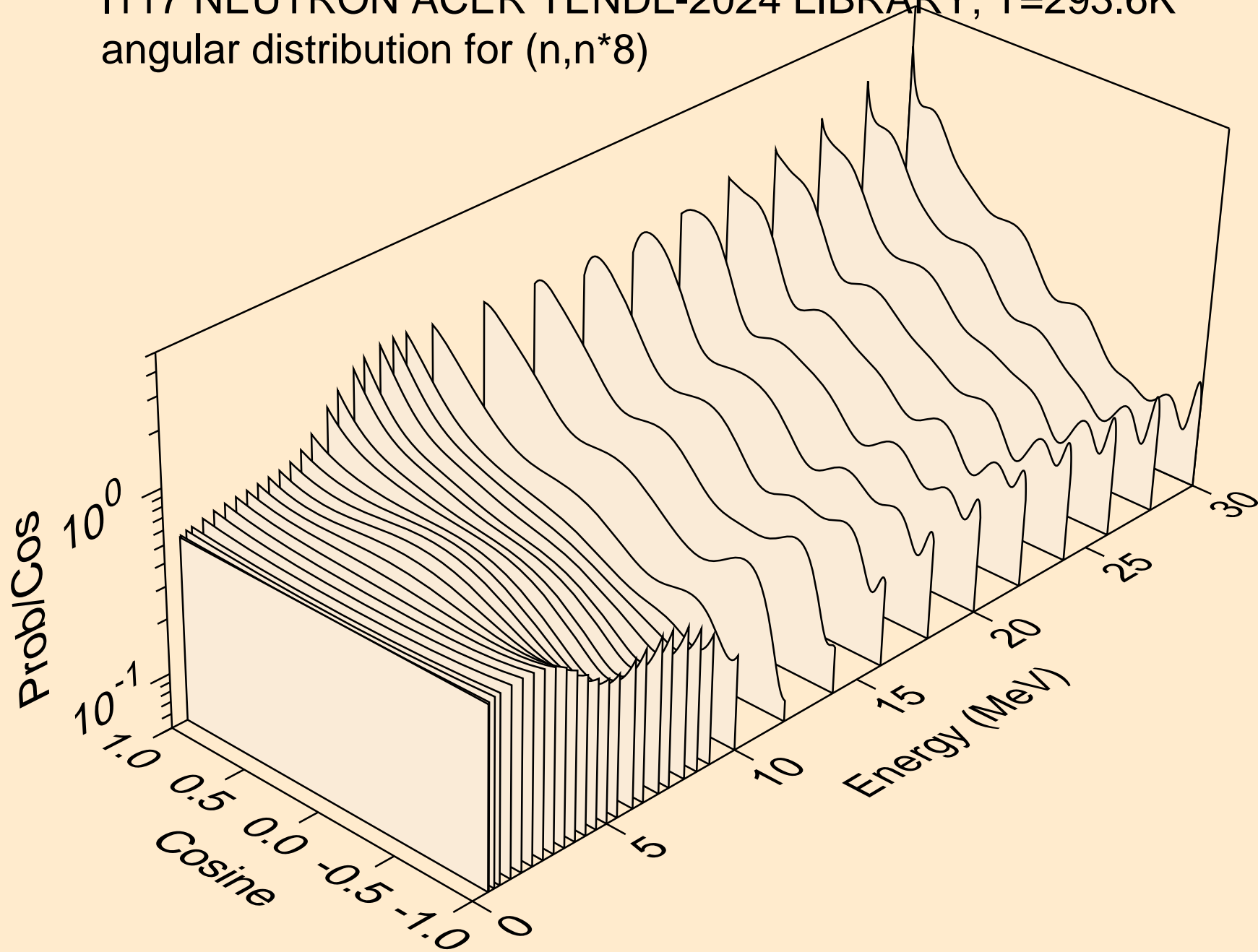
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*6)



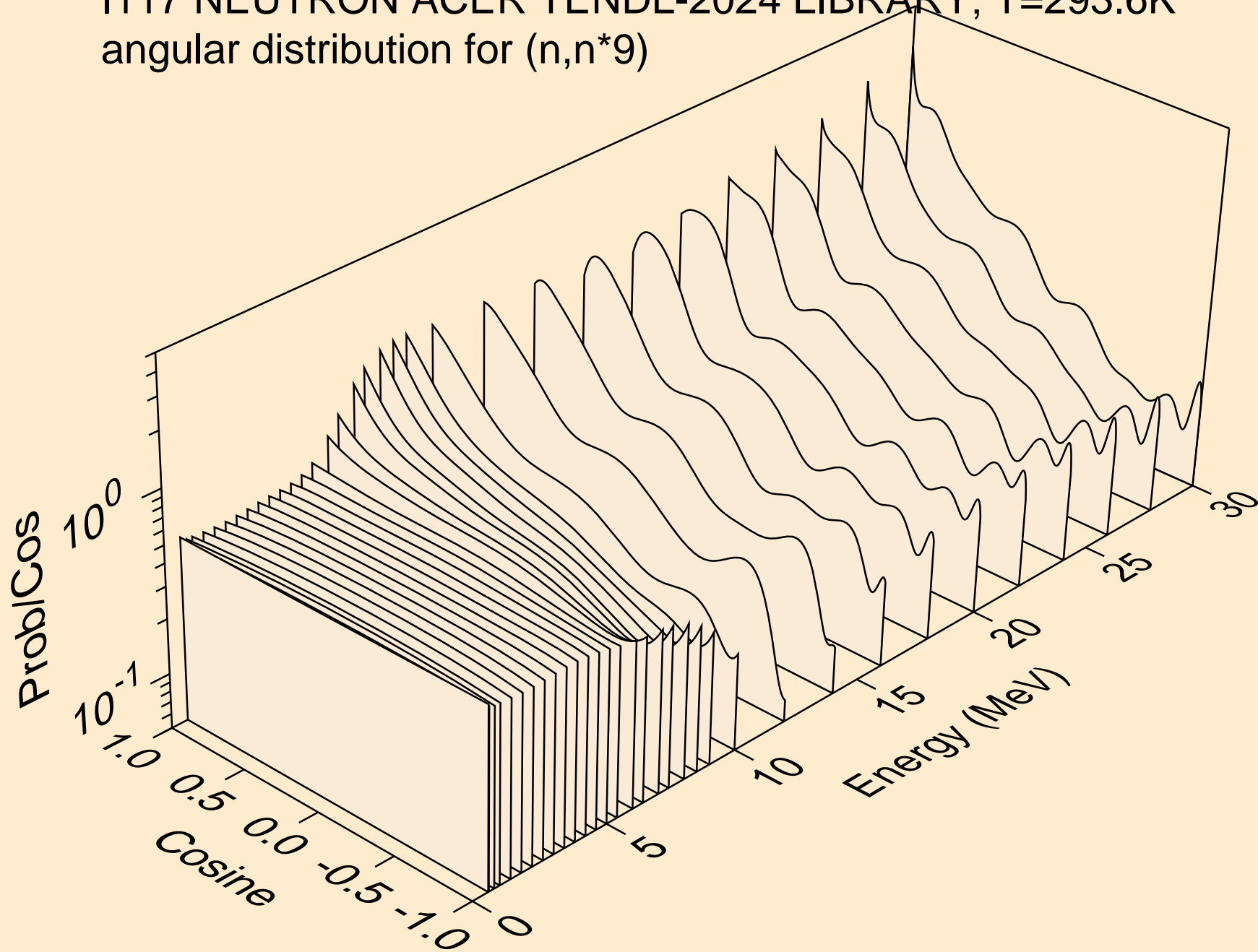
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*7)



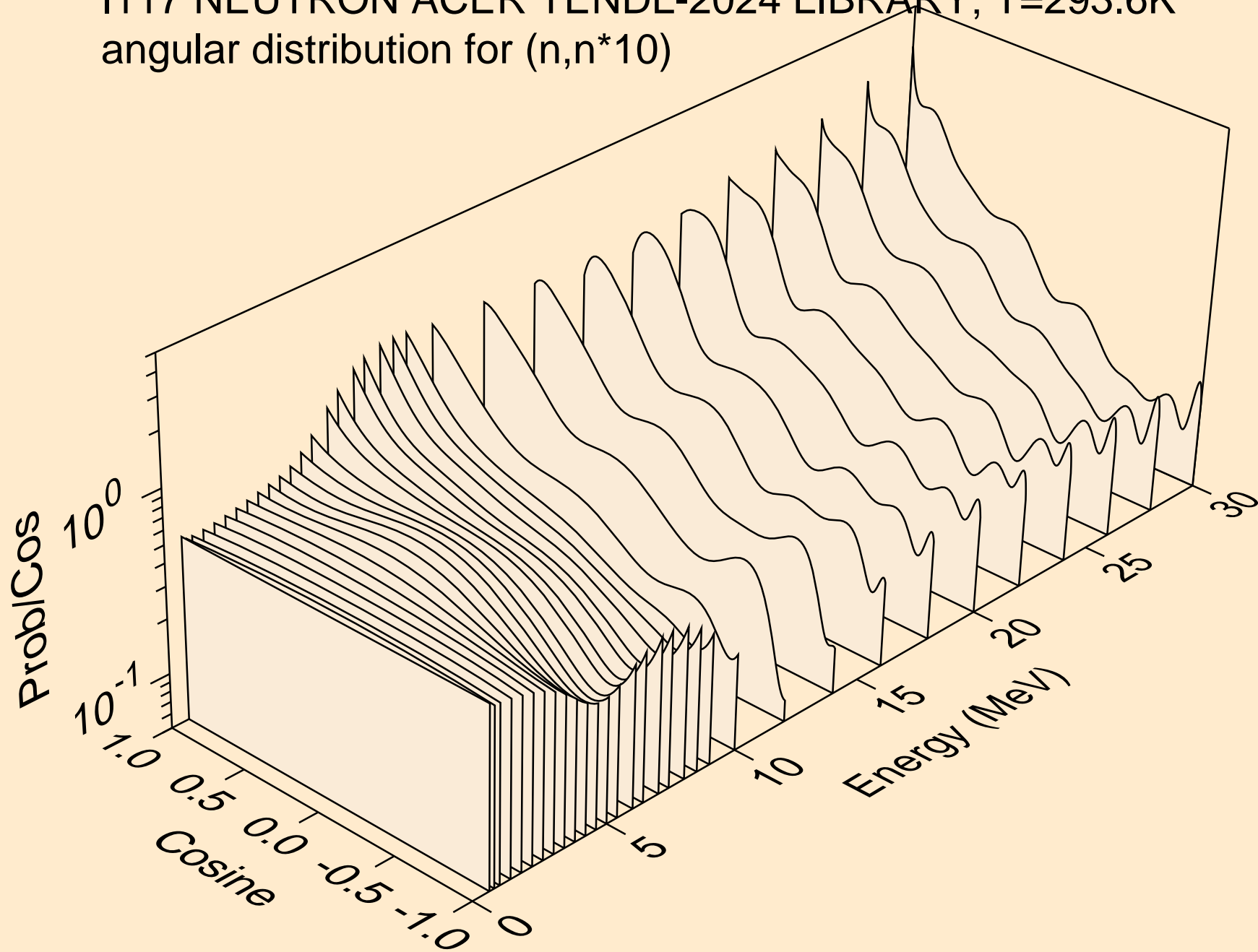
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*8)



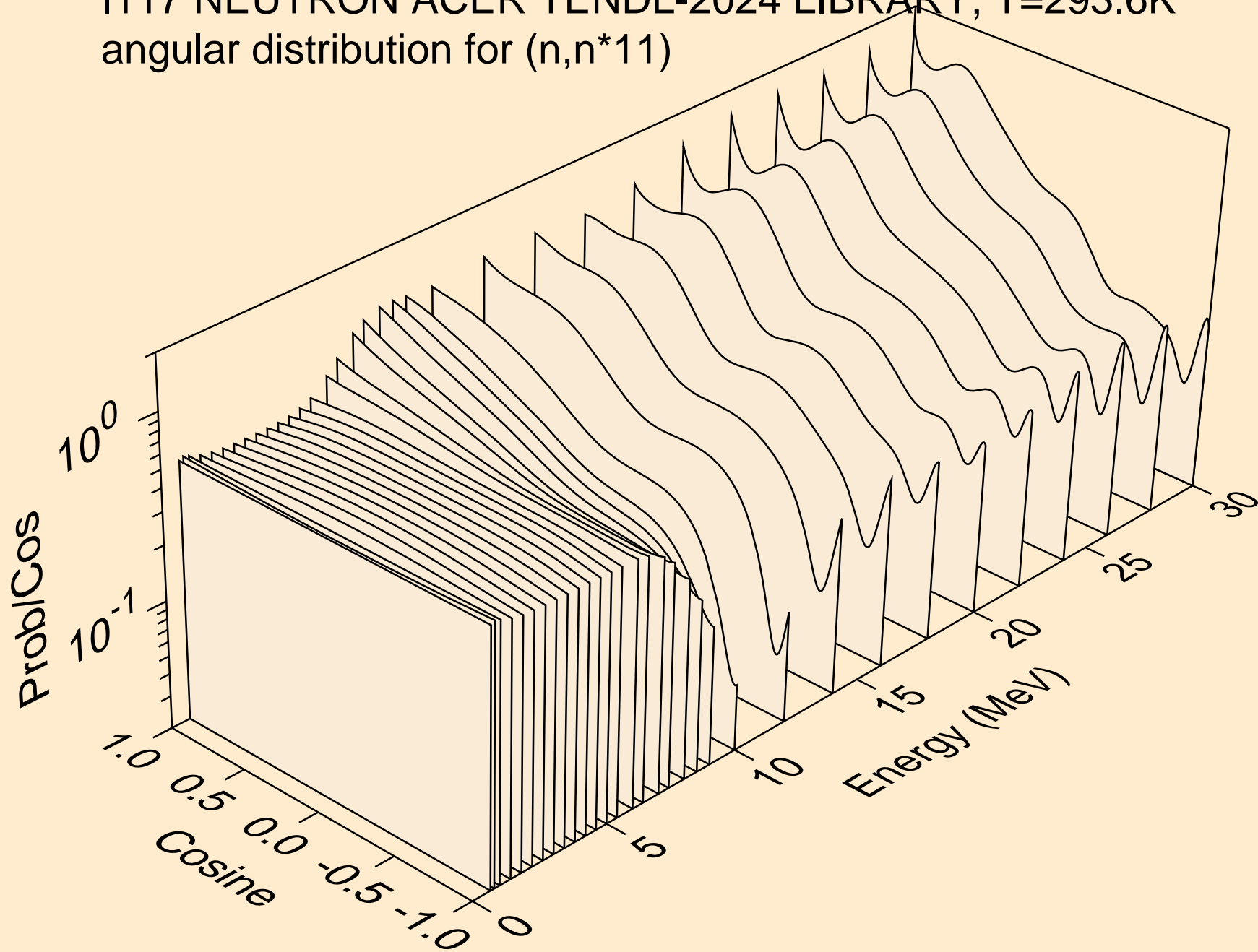
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*9)



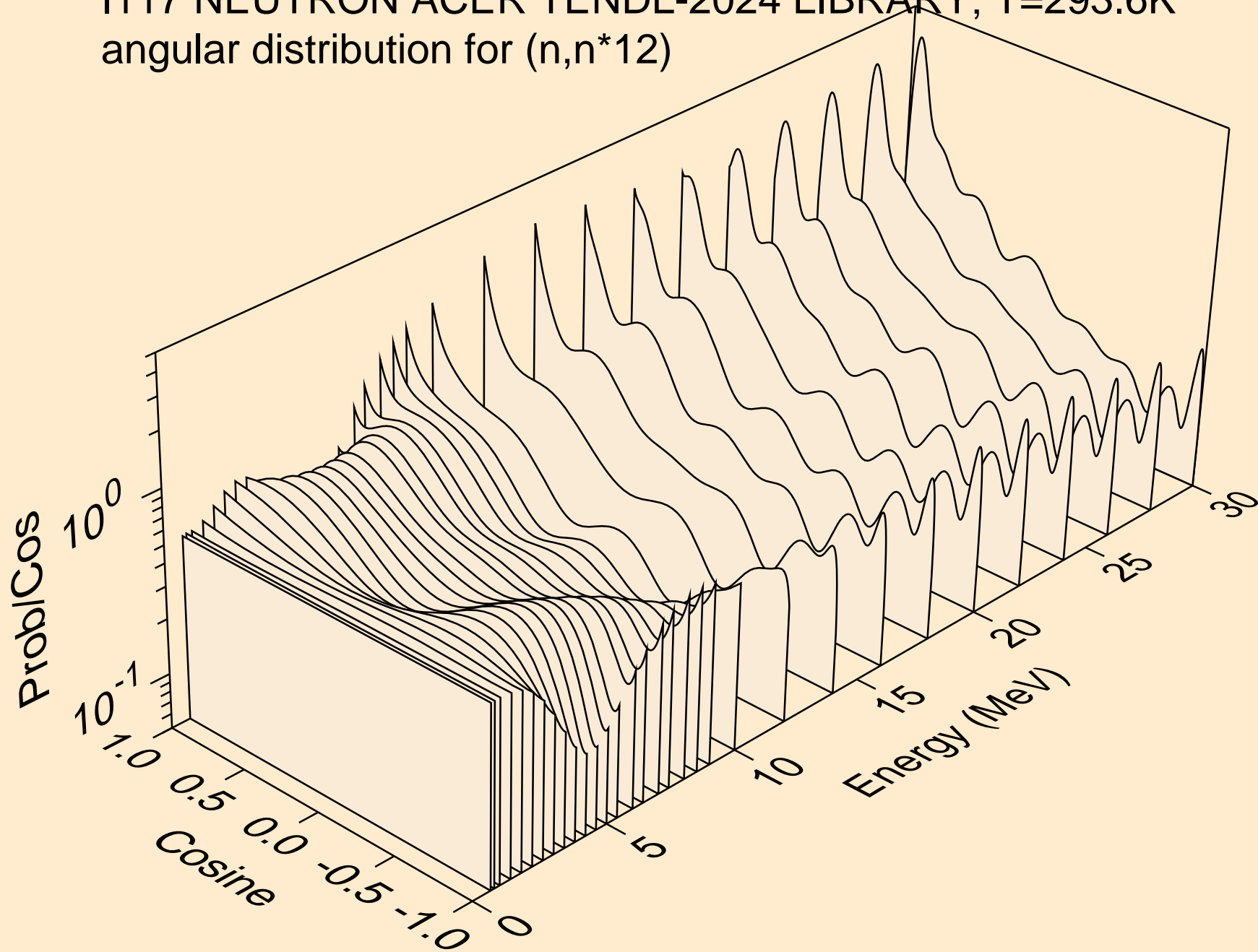
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*10)



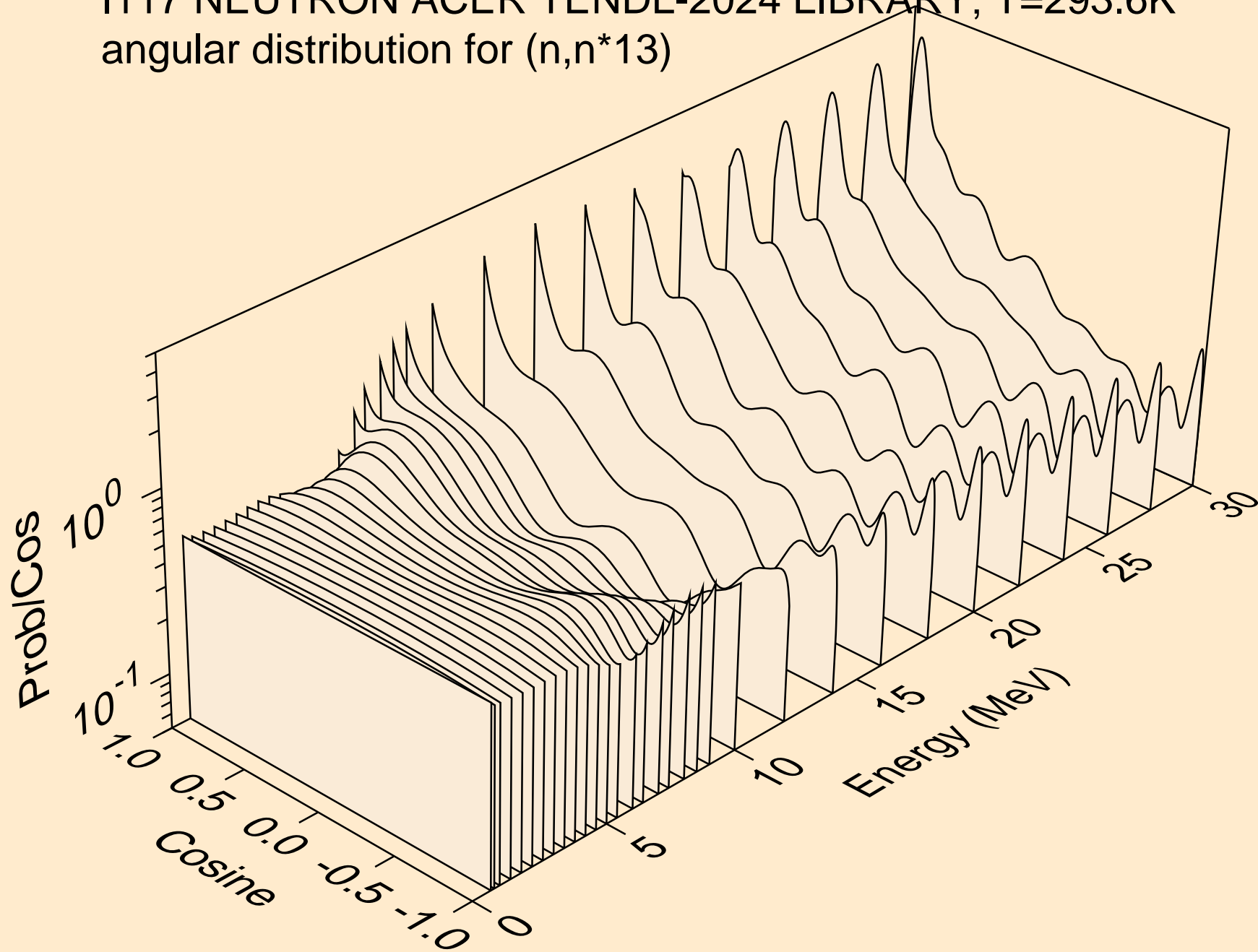
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*11)



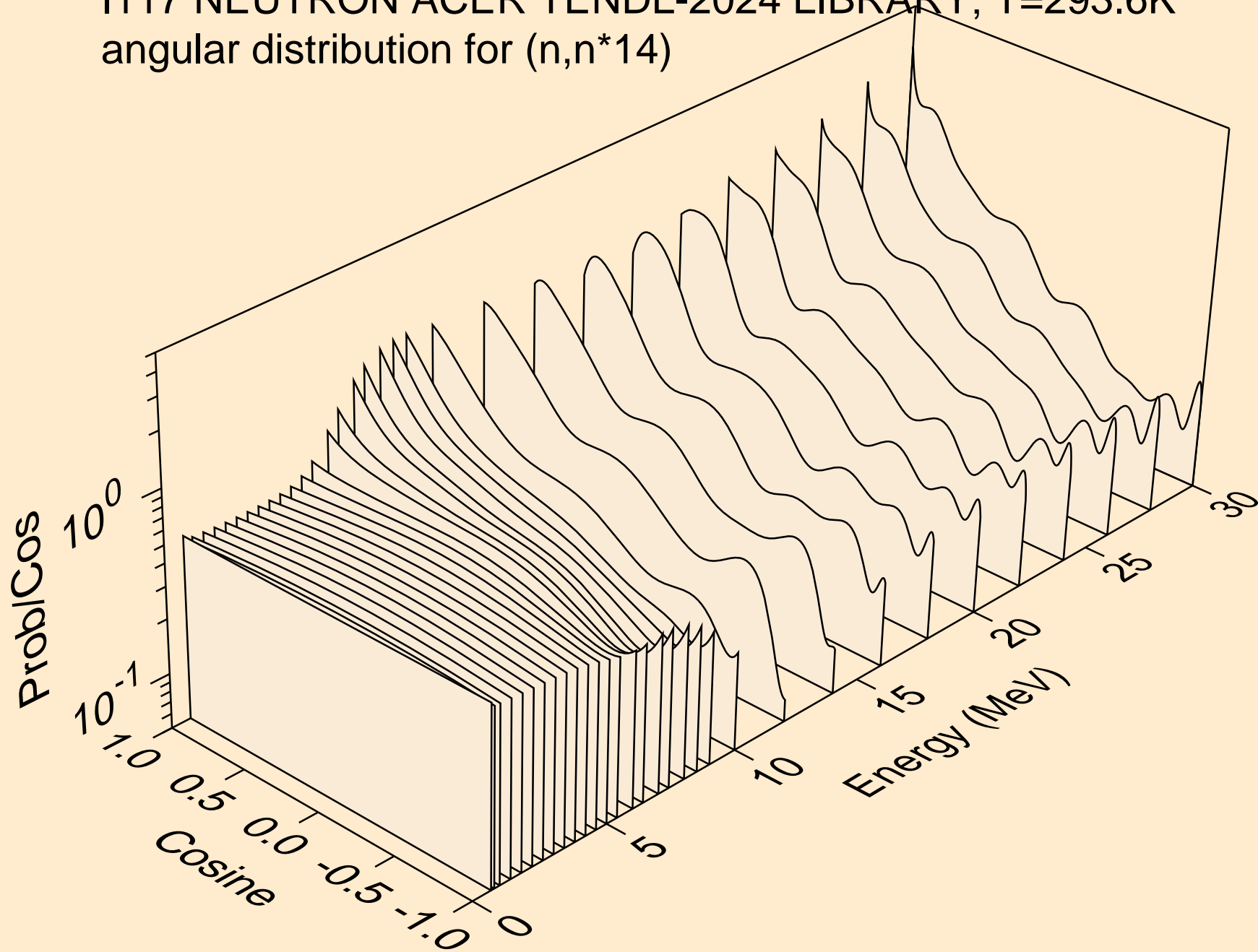
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*12)



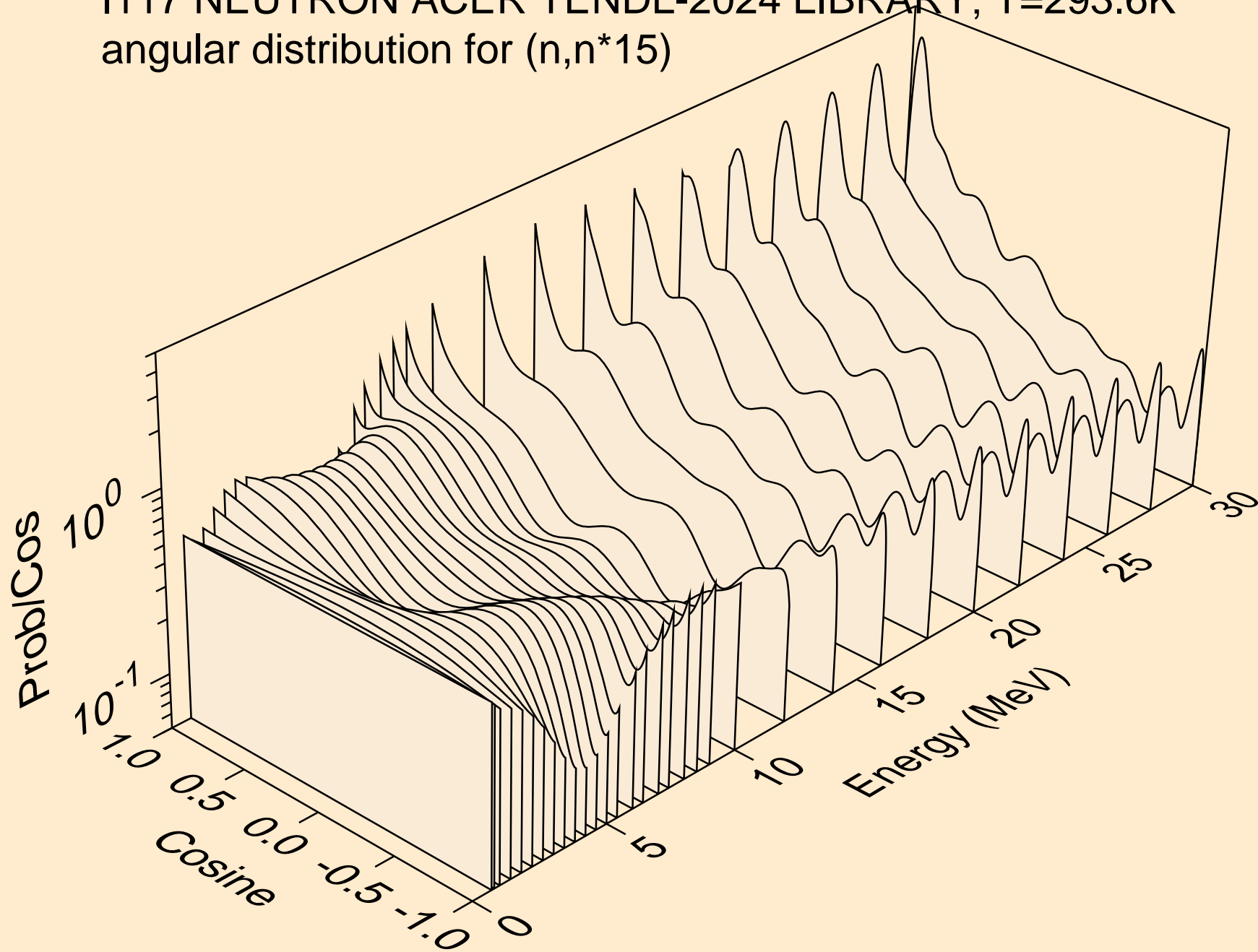
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*13)



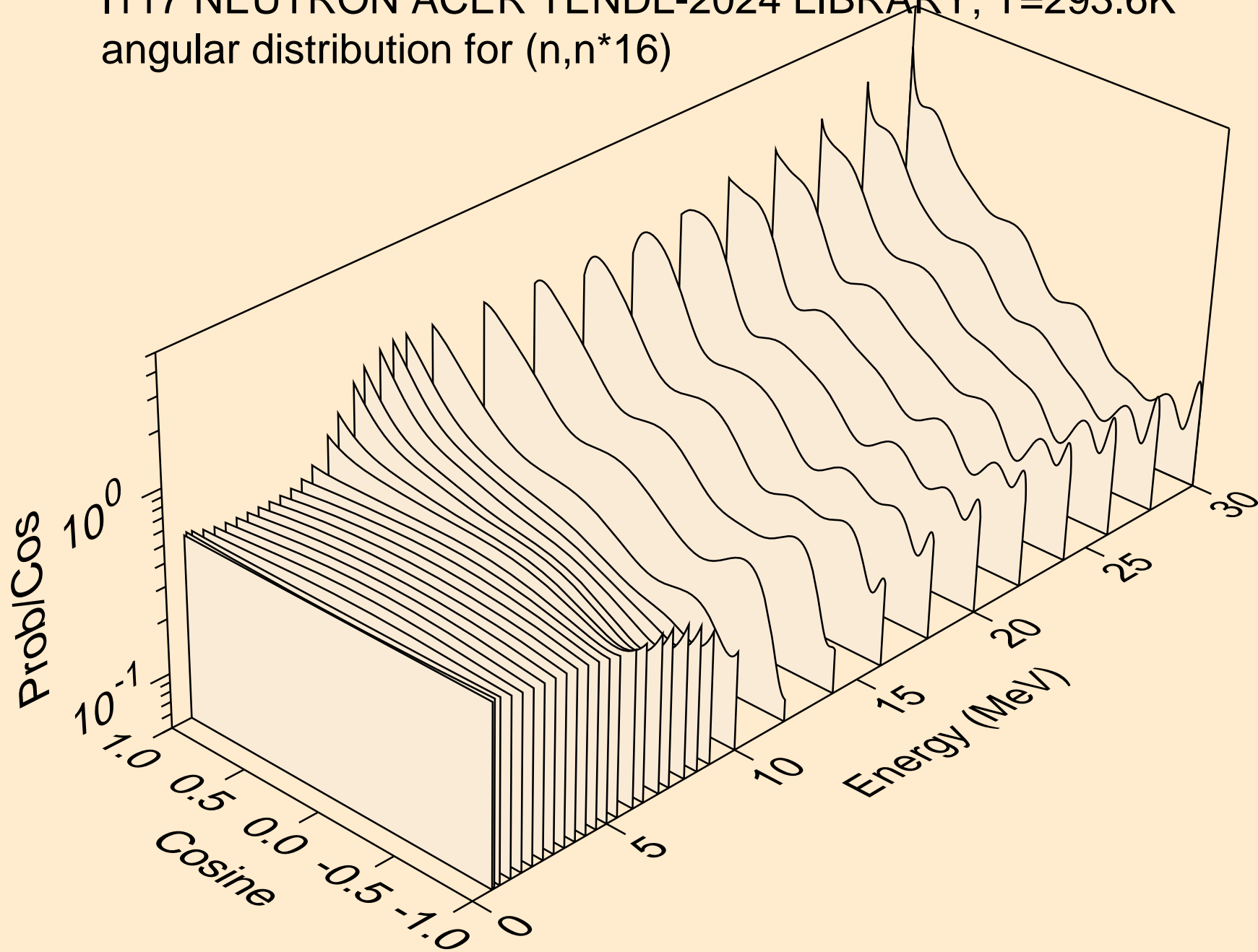
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*14)



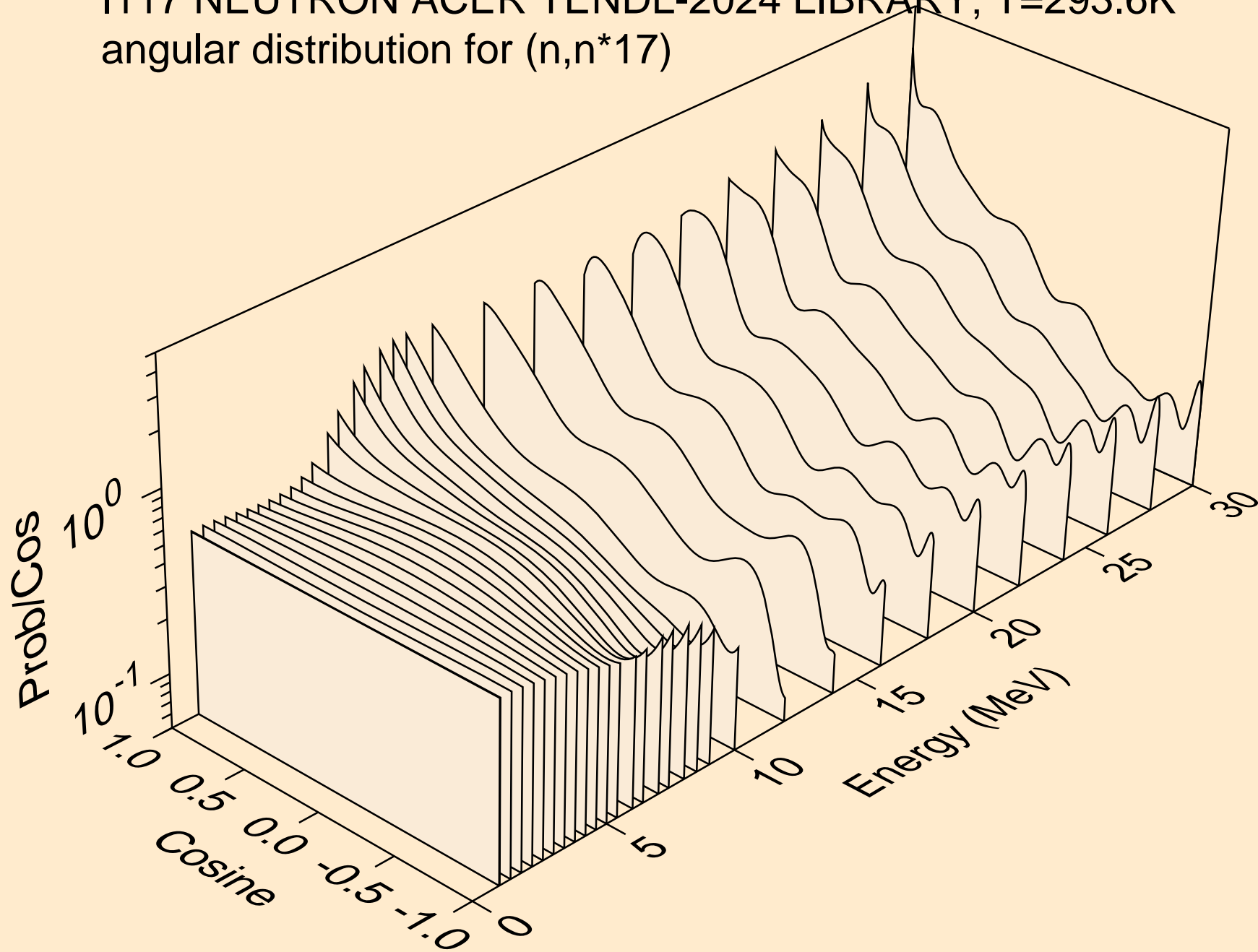
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*15)



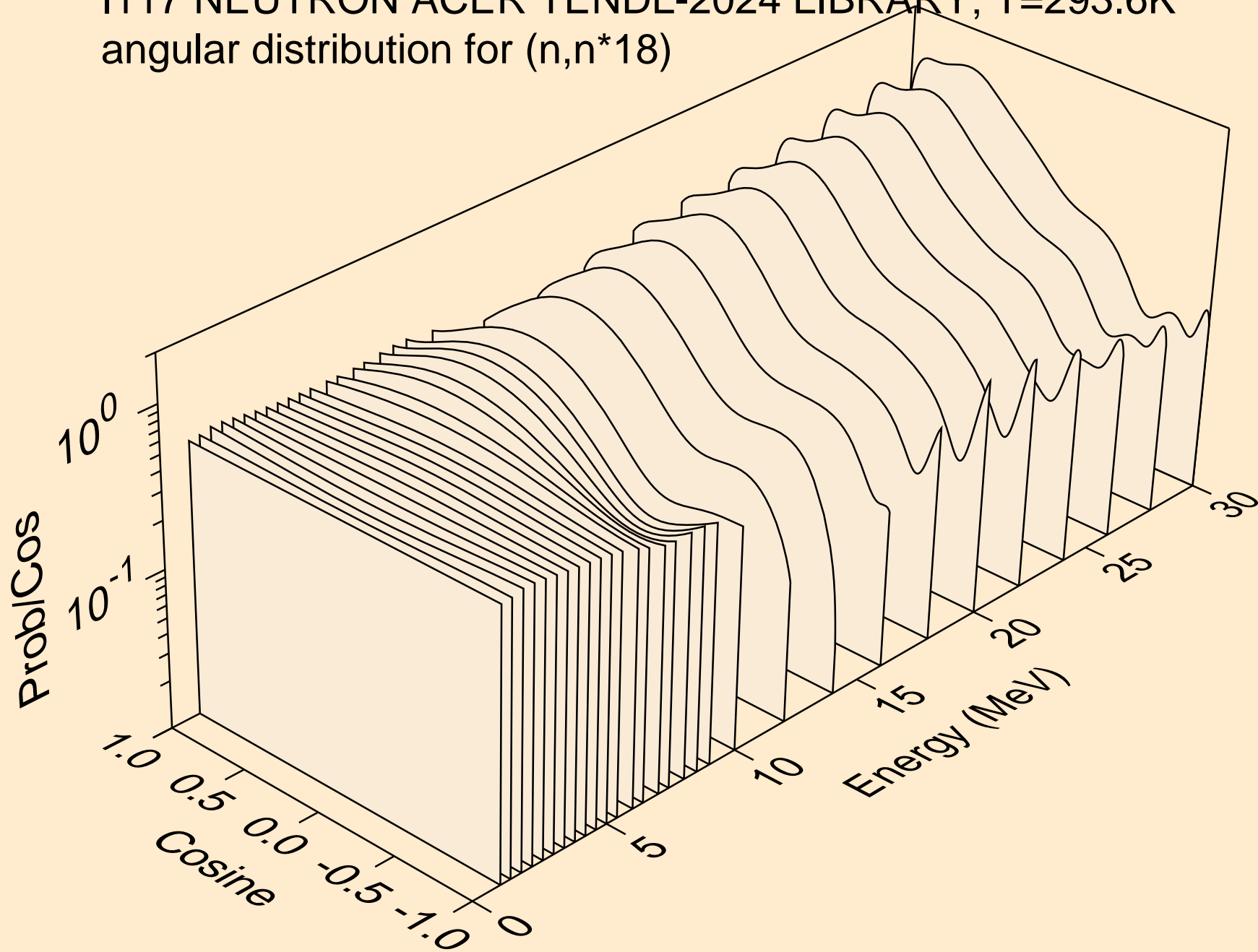
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*16)



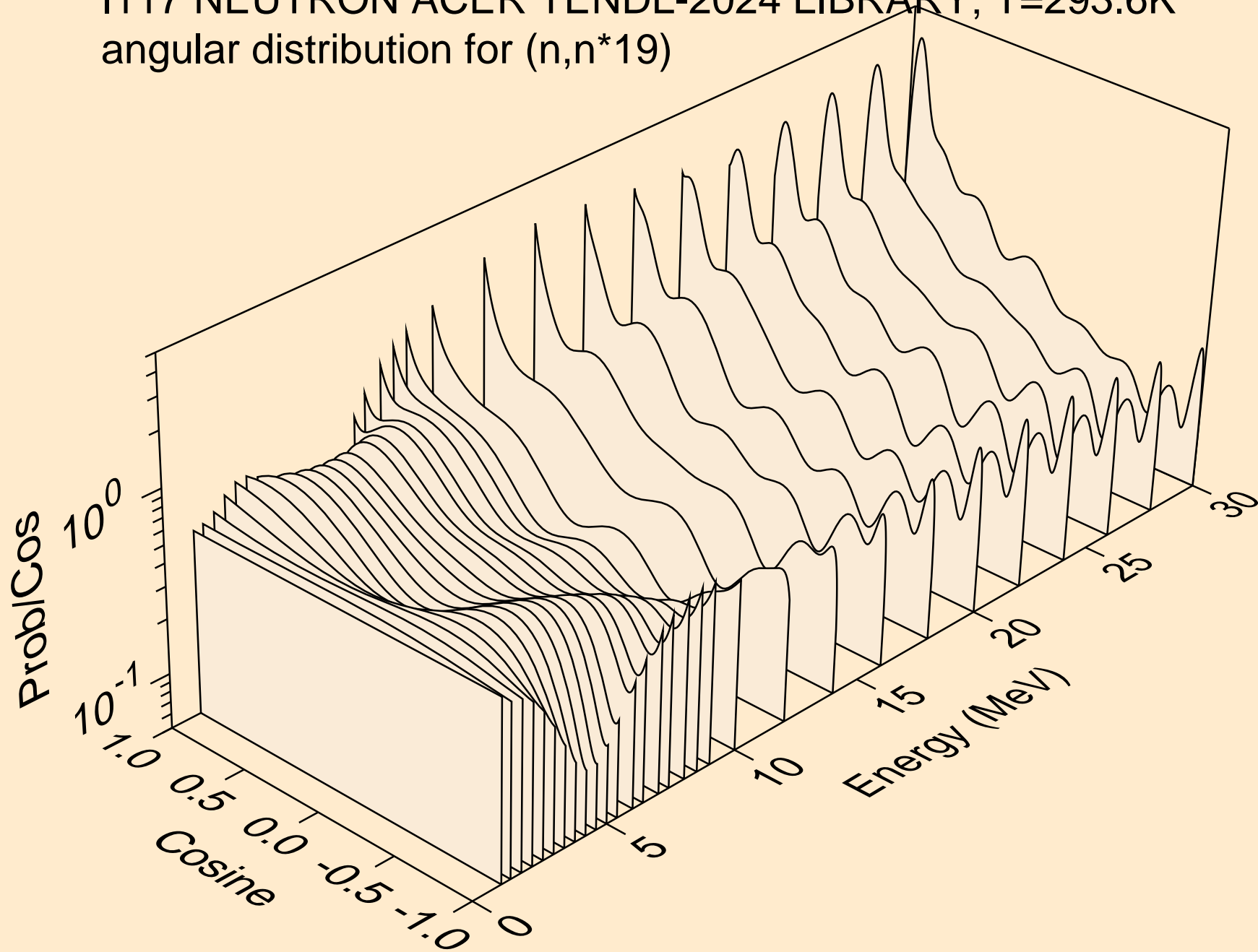
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*17)



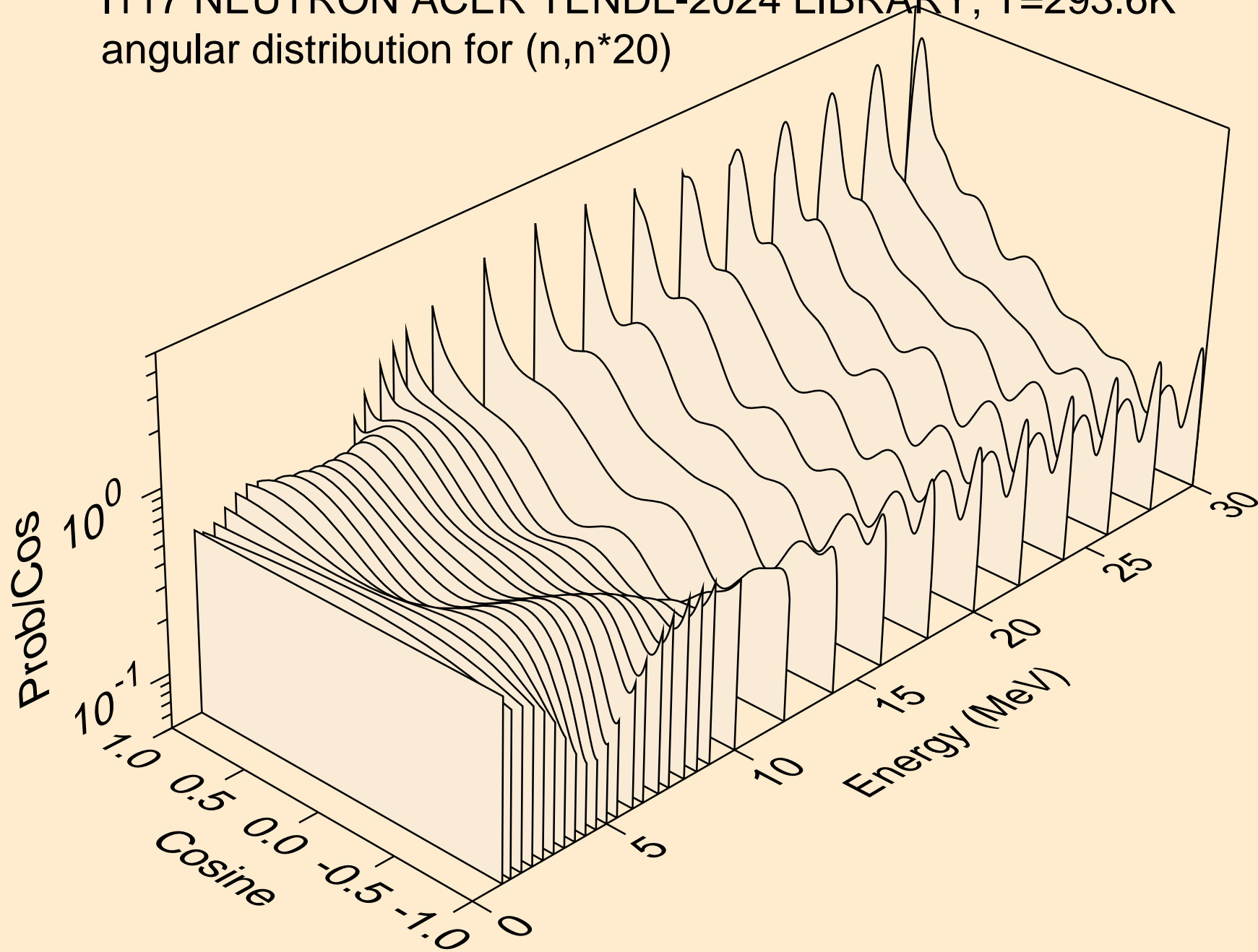
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*18)



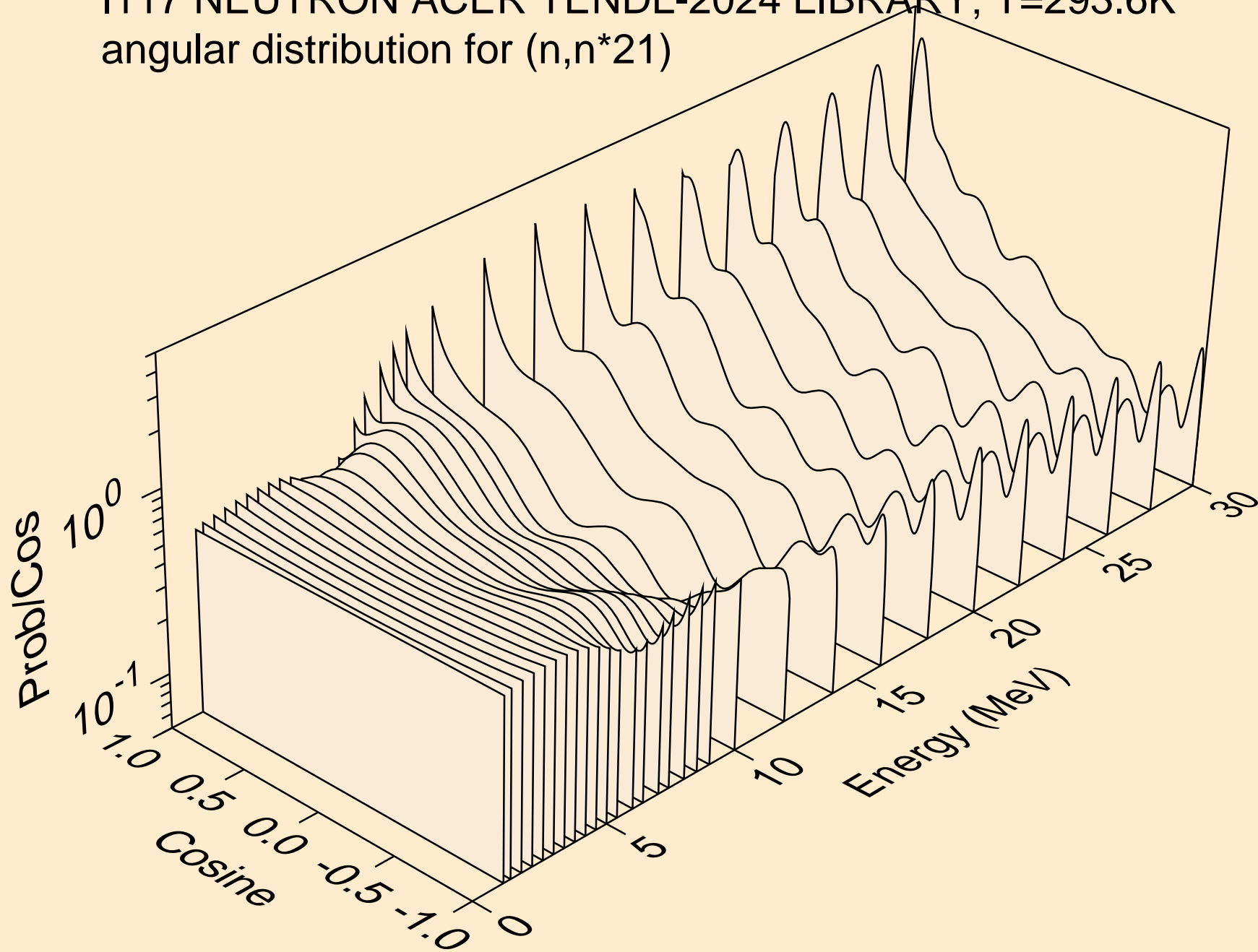
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*19)



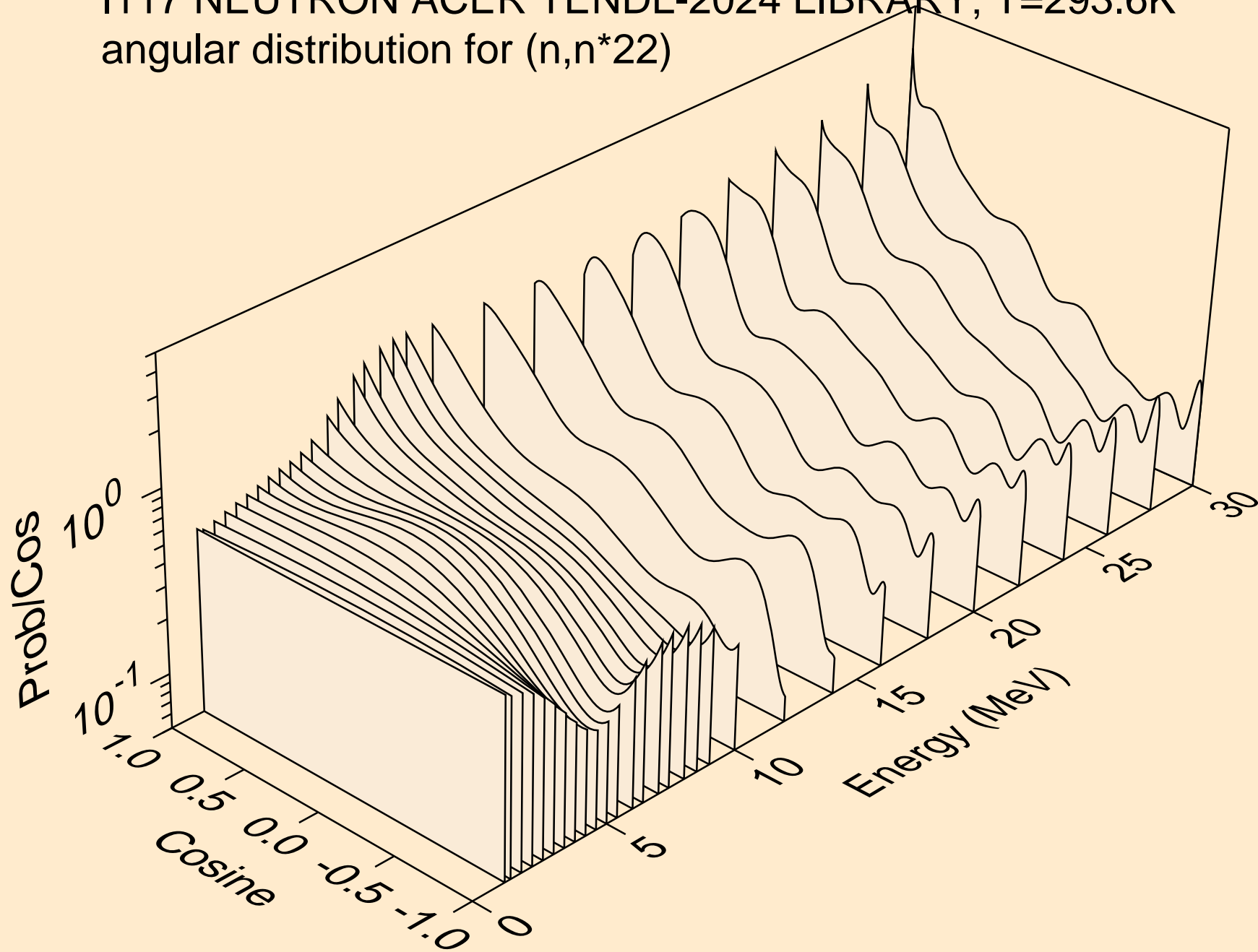
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*20)



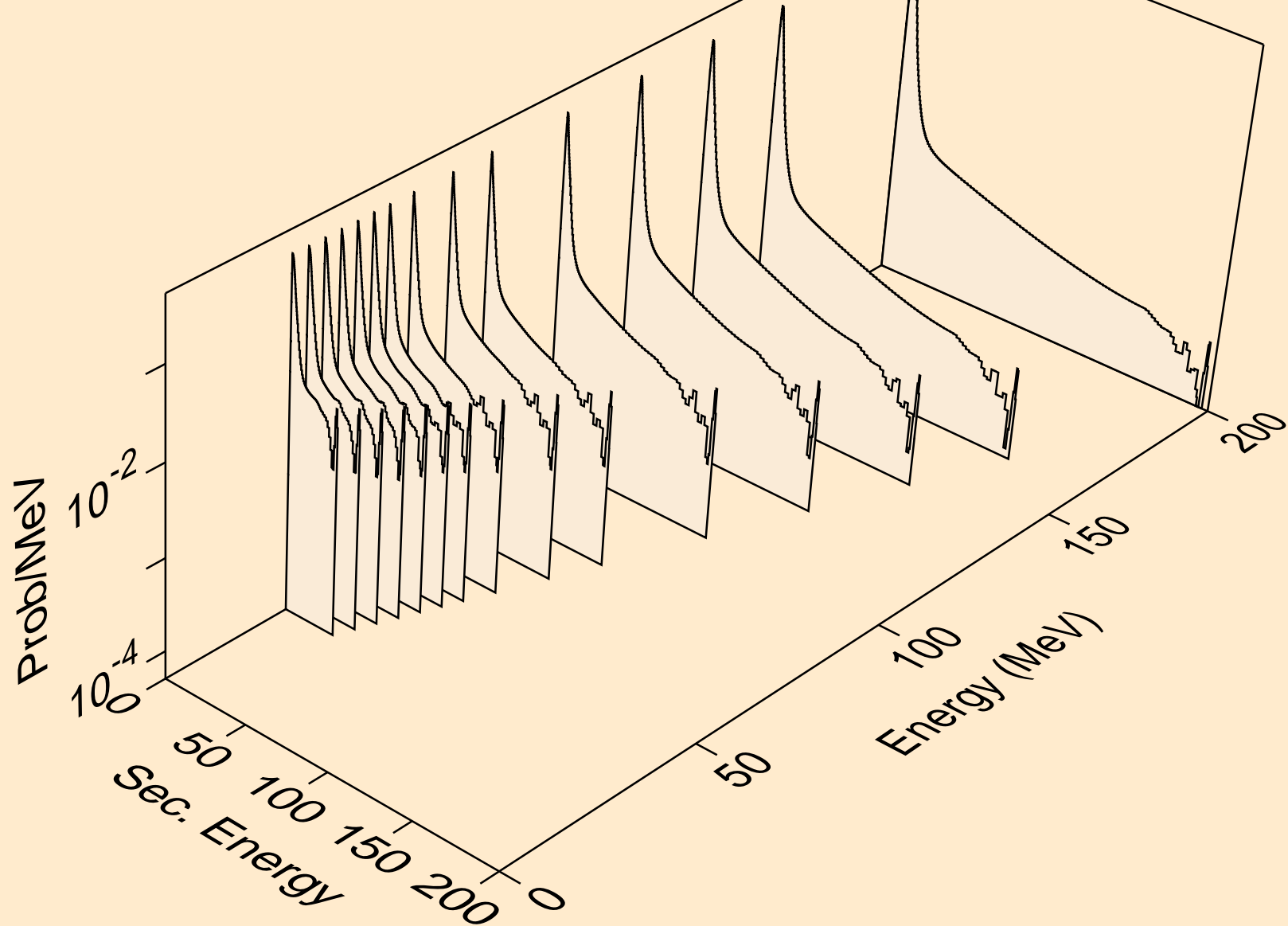
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*21)



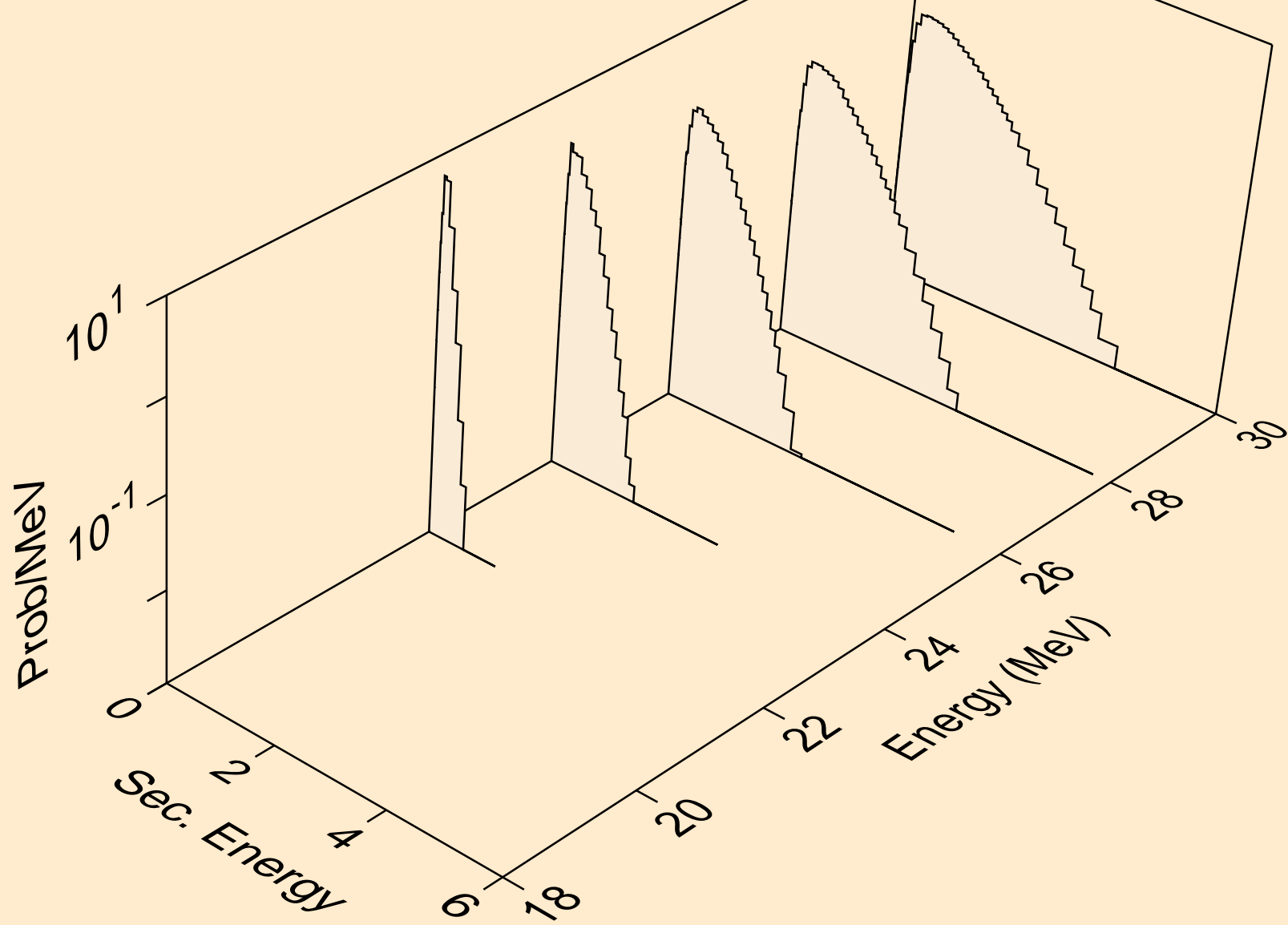
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*22)



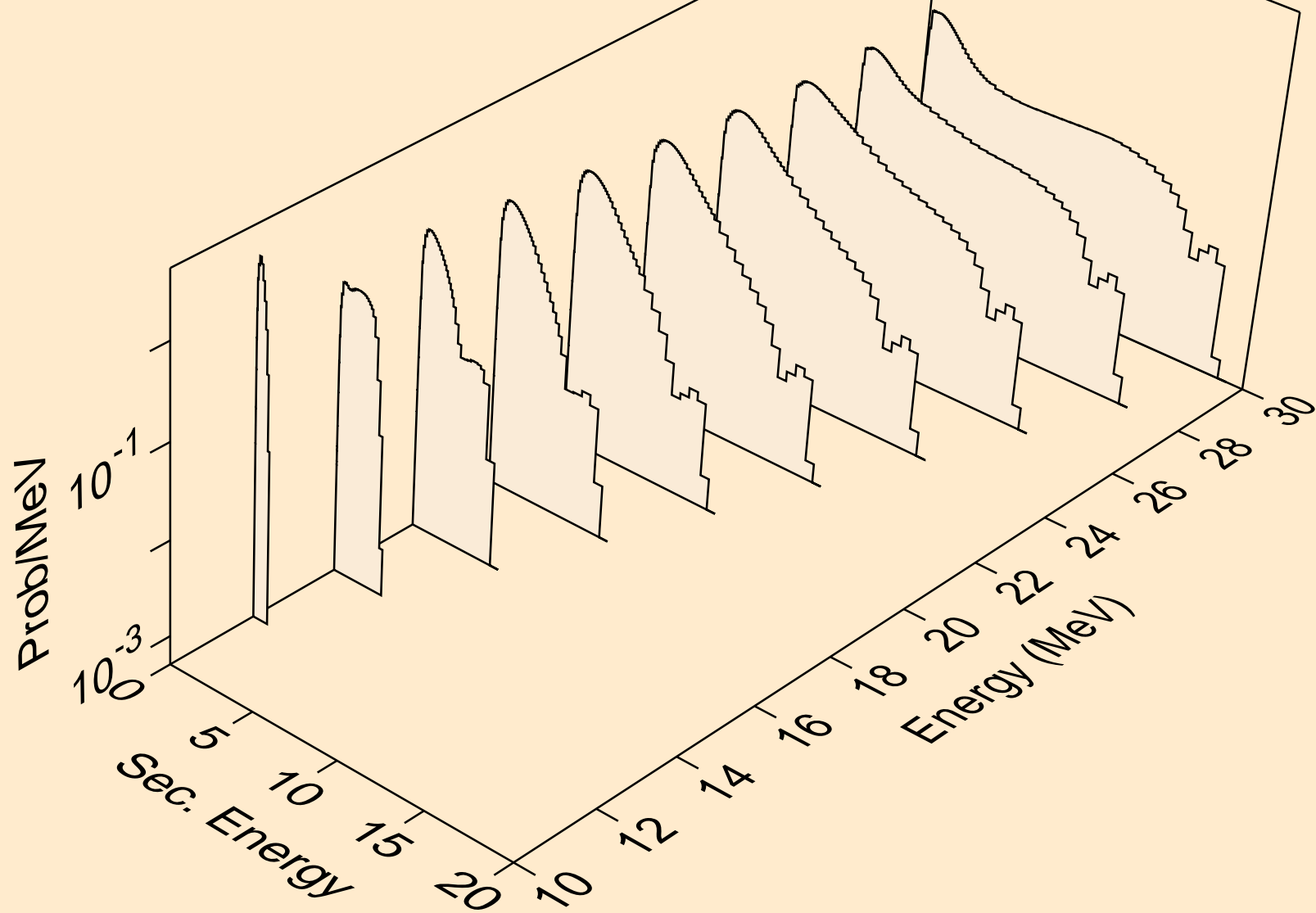
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,x)



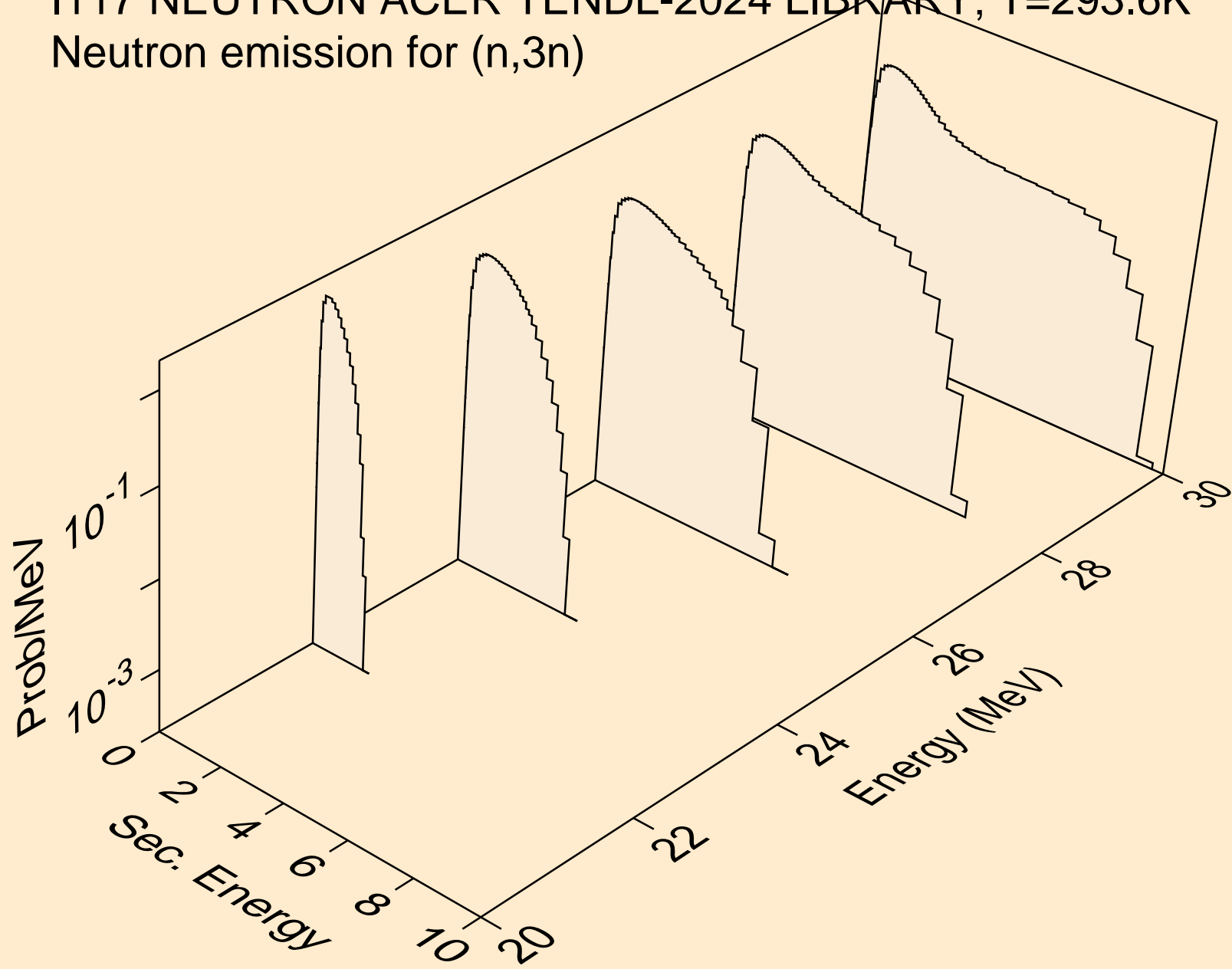
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,2nd)



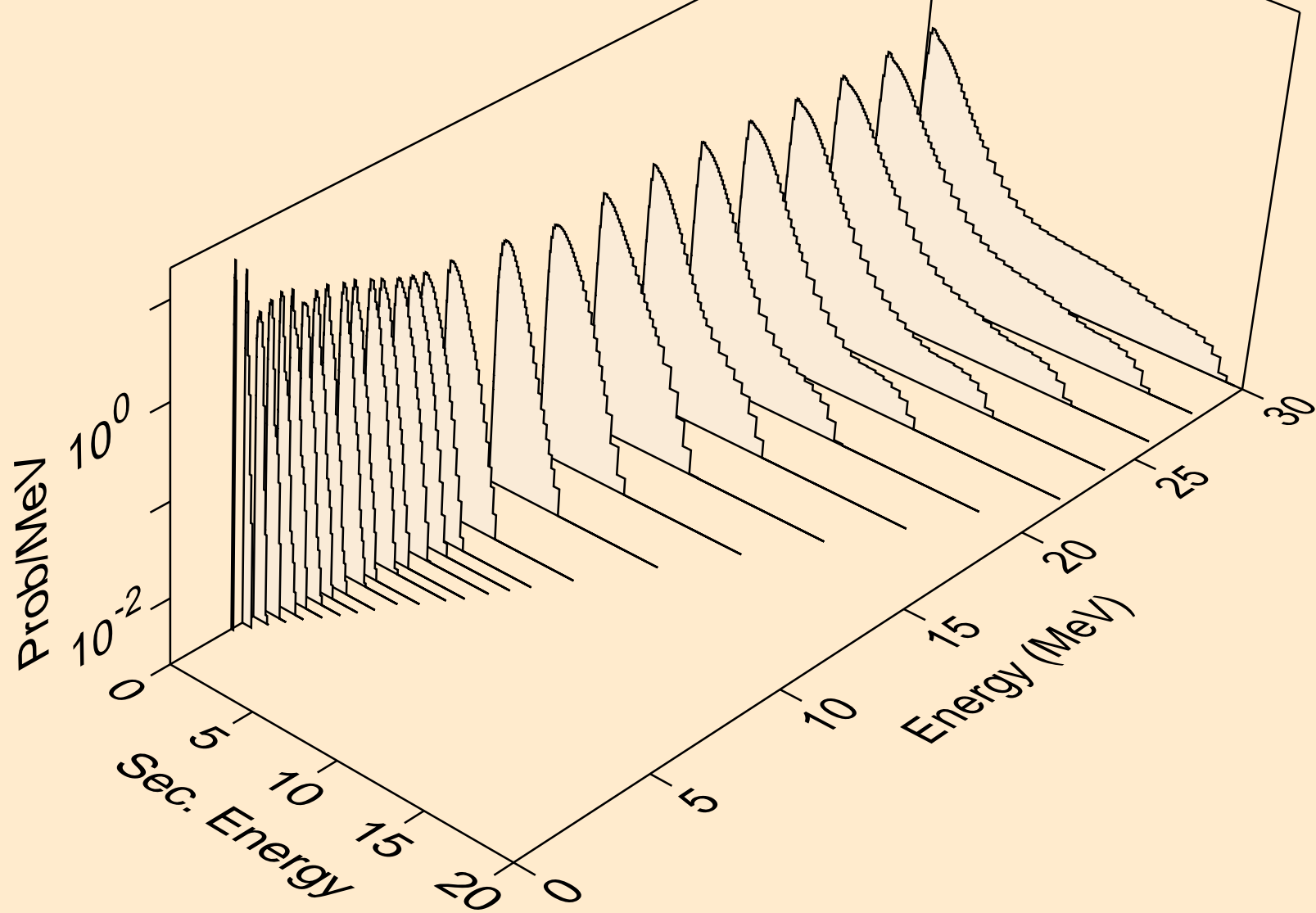
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,2n)



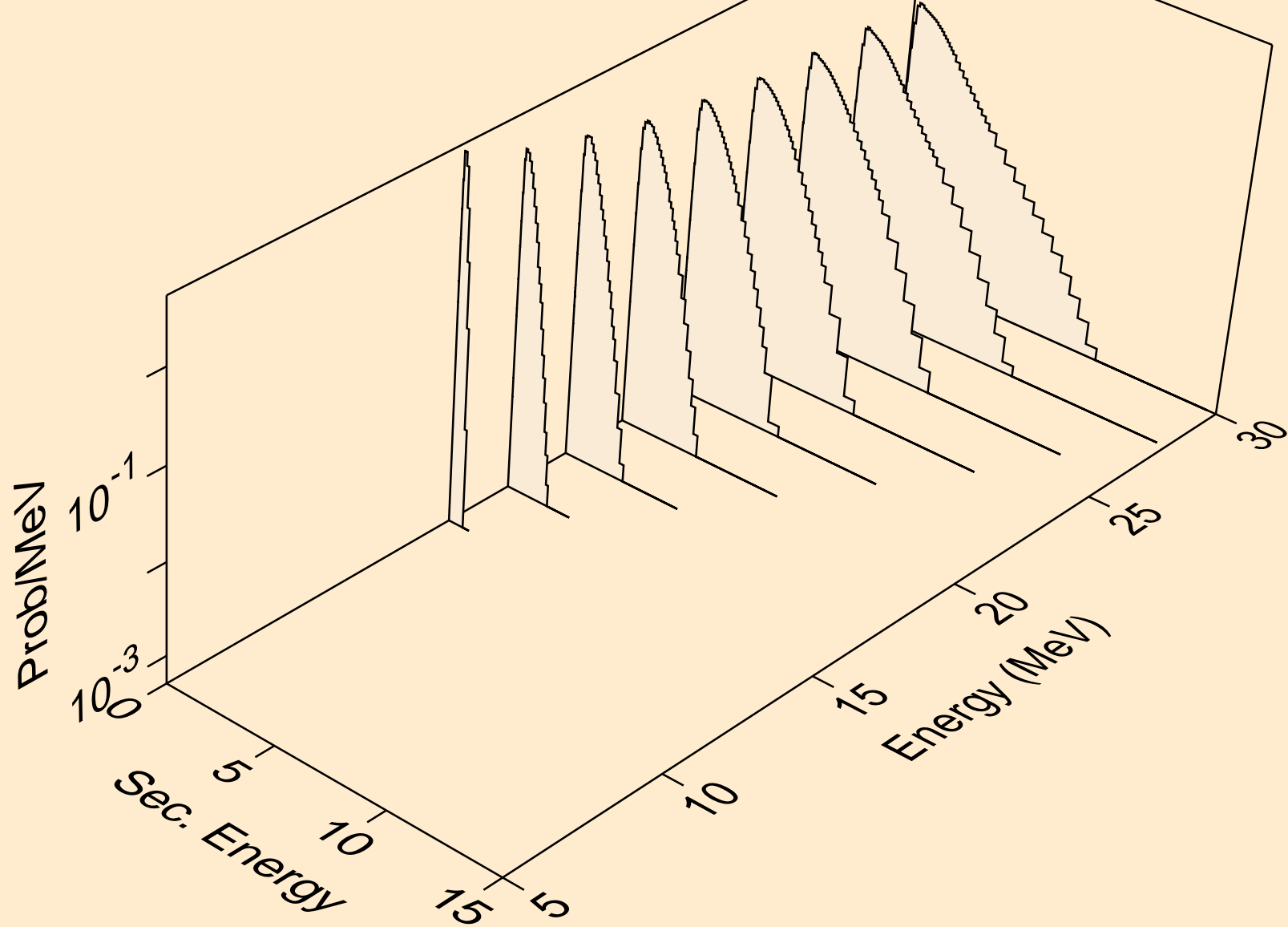
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,3n)



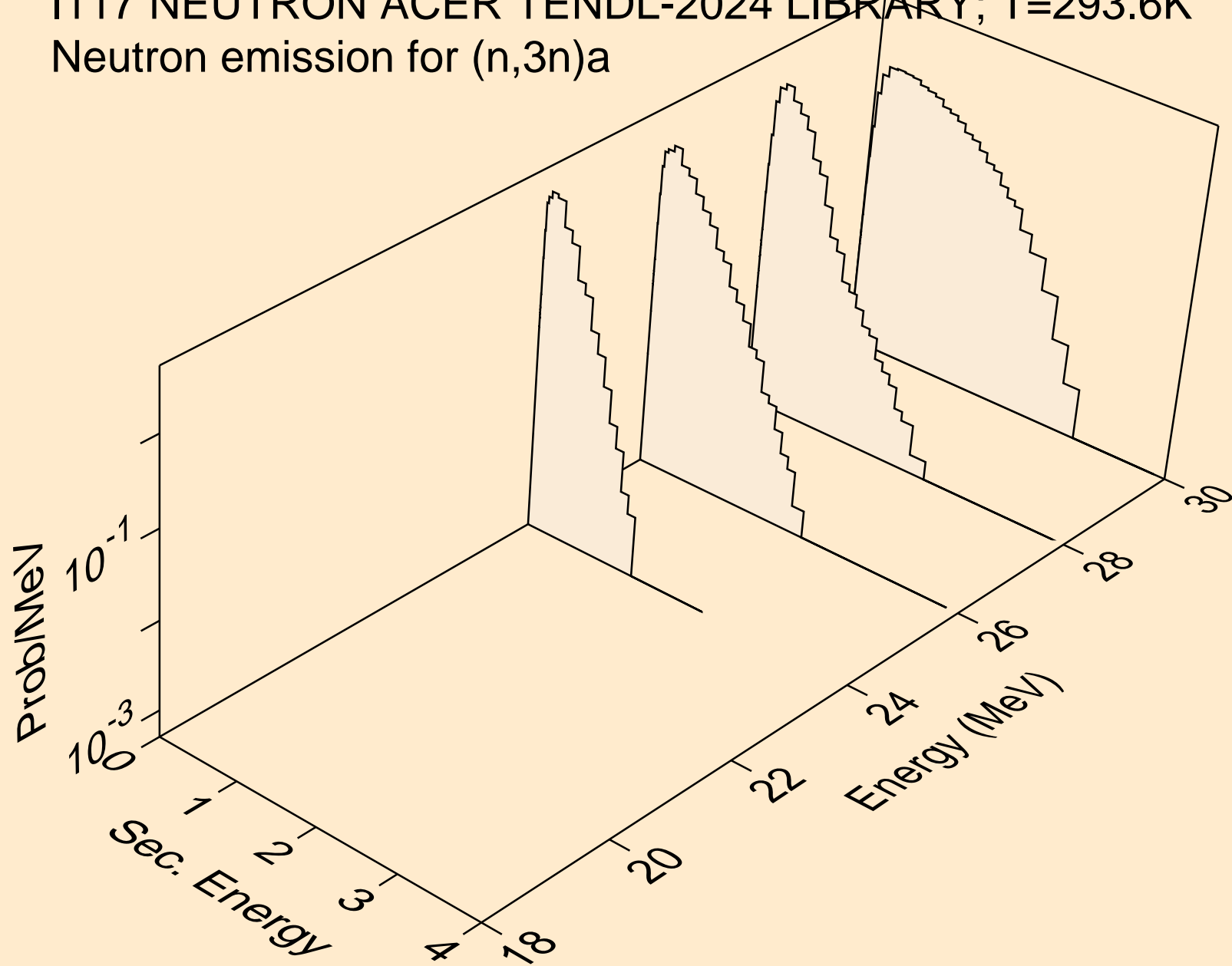
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)a



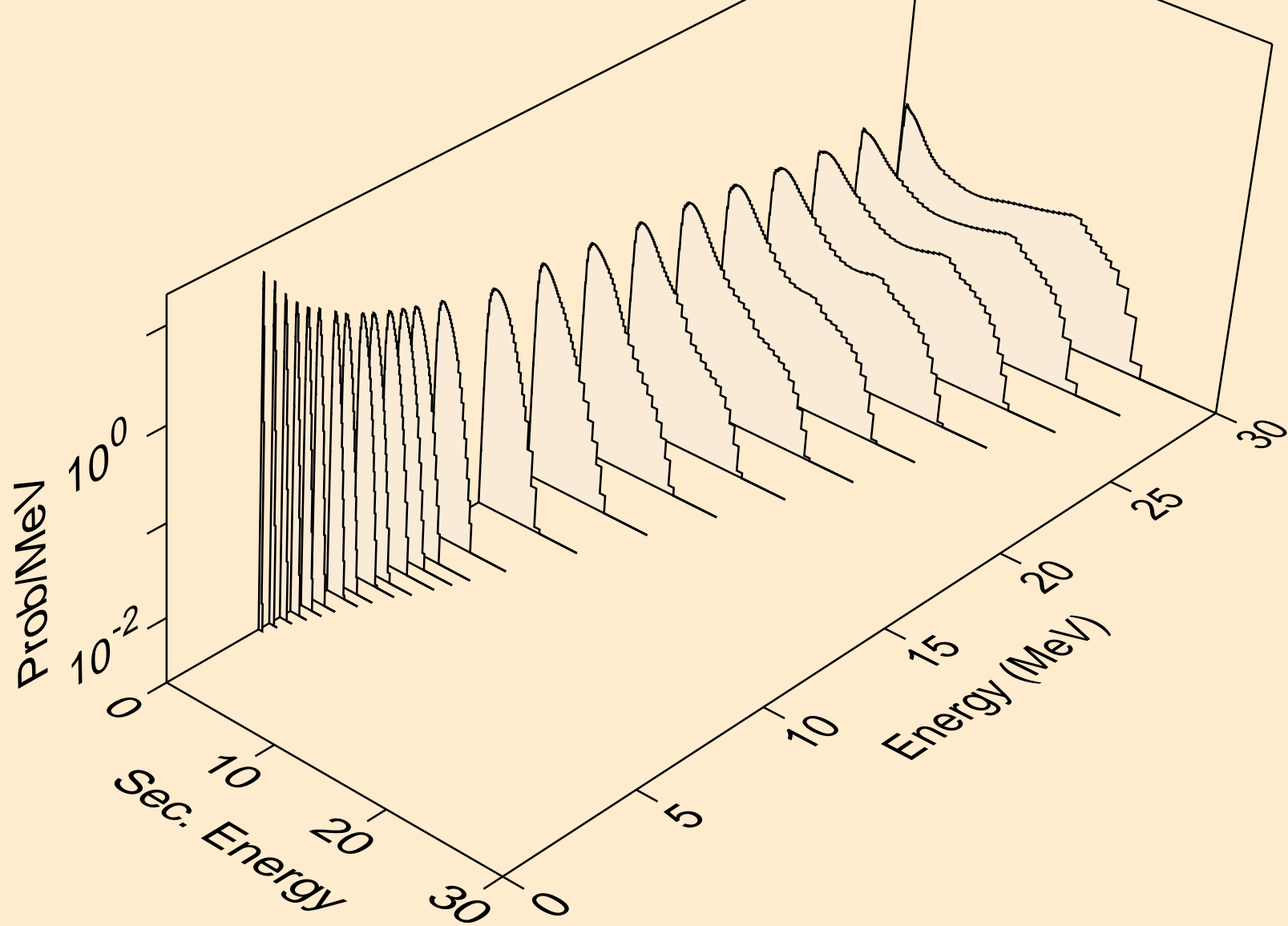
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,2n)<sub>a</sub>



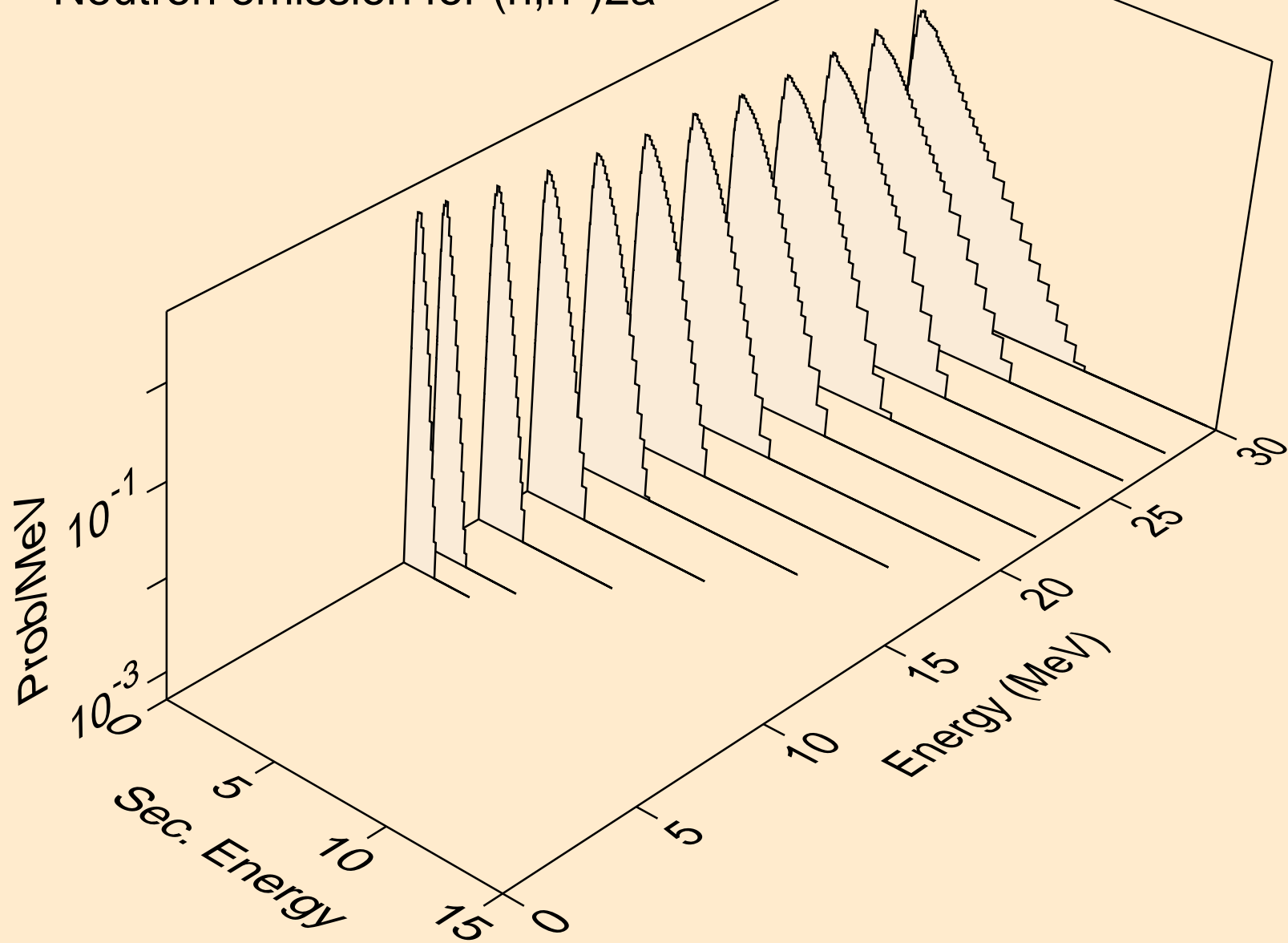
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,3n)a



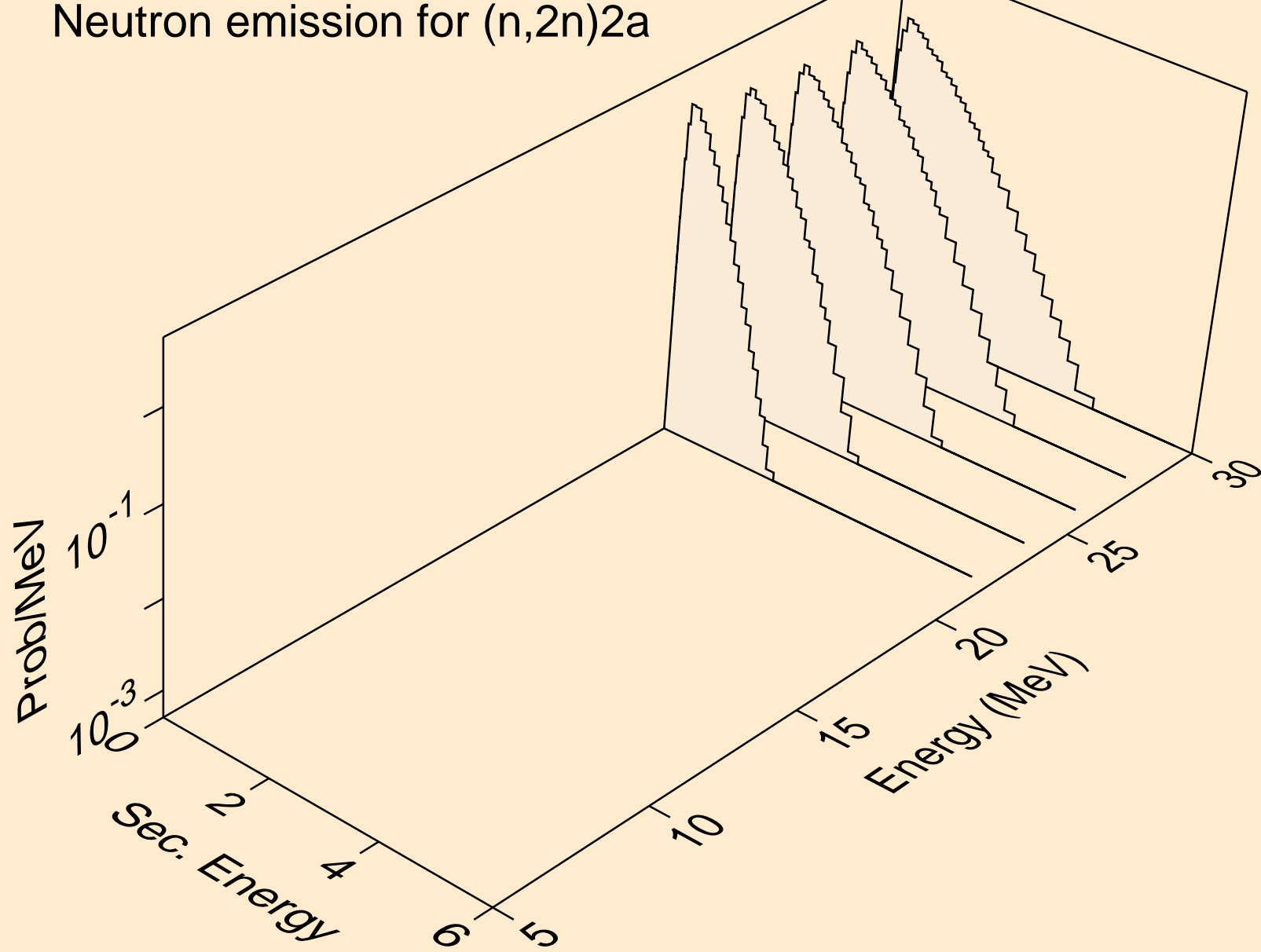
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)p



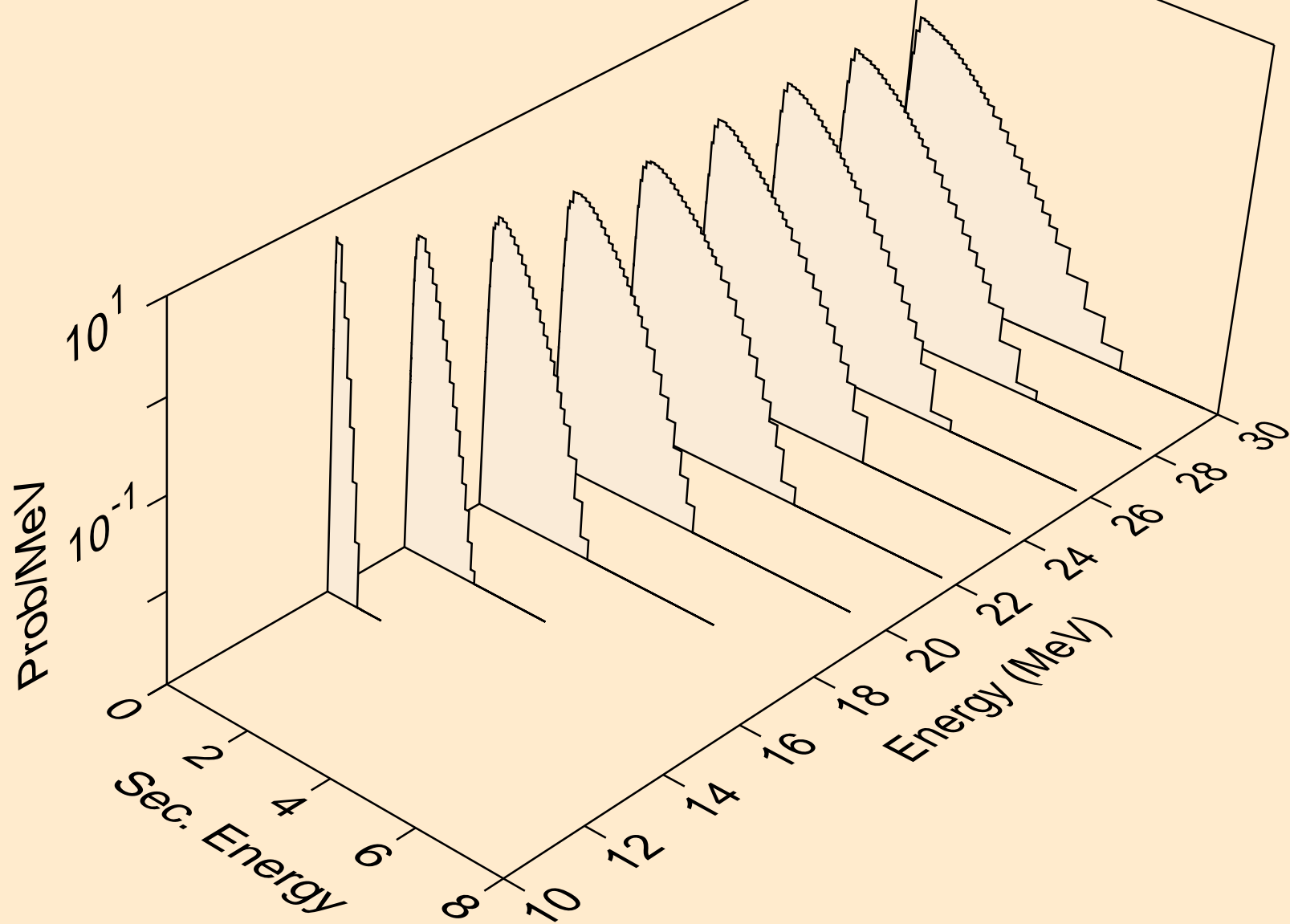
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)2a



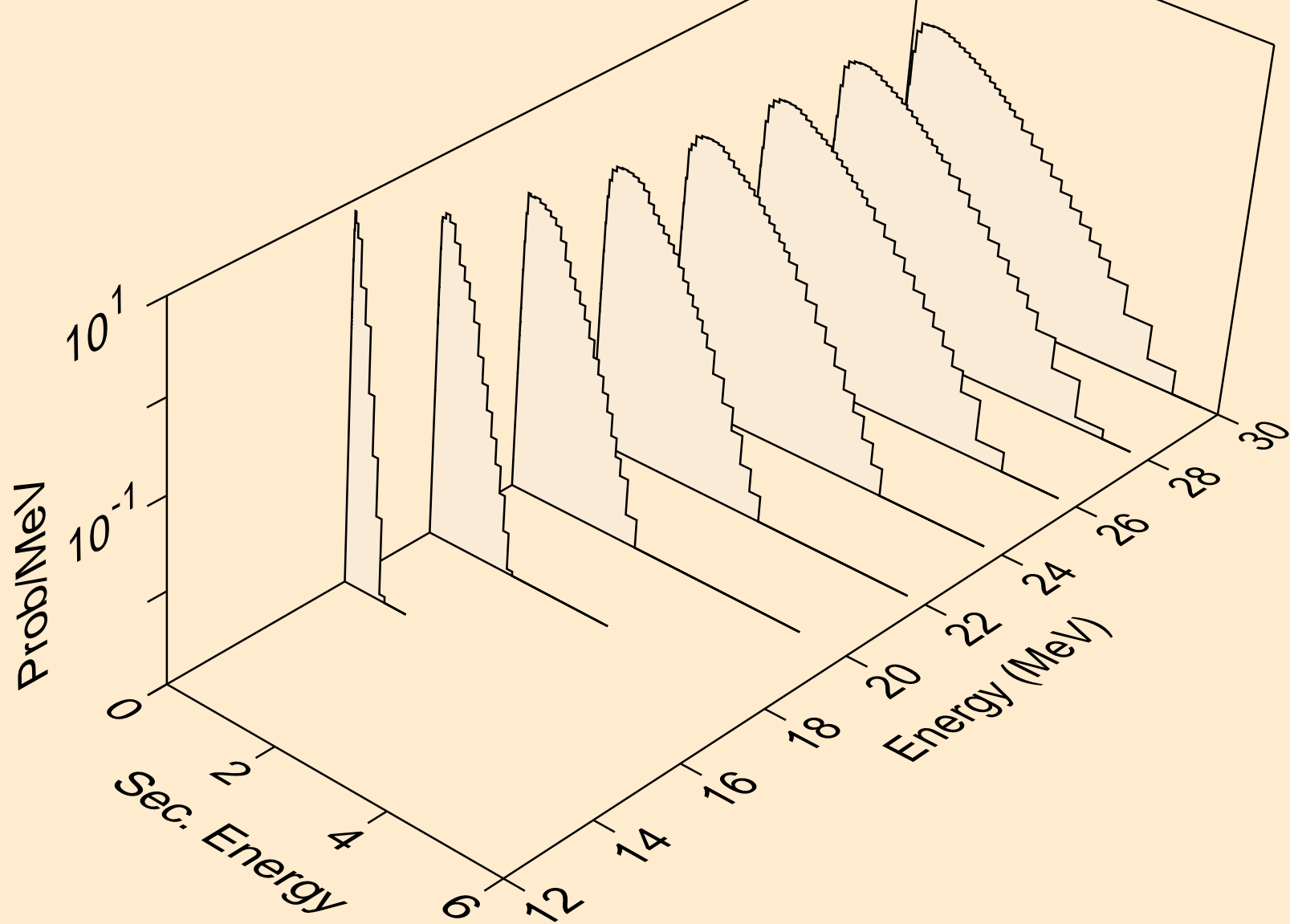
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,2n)2a



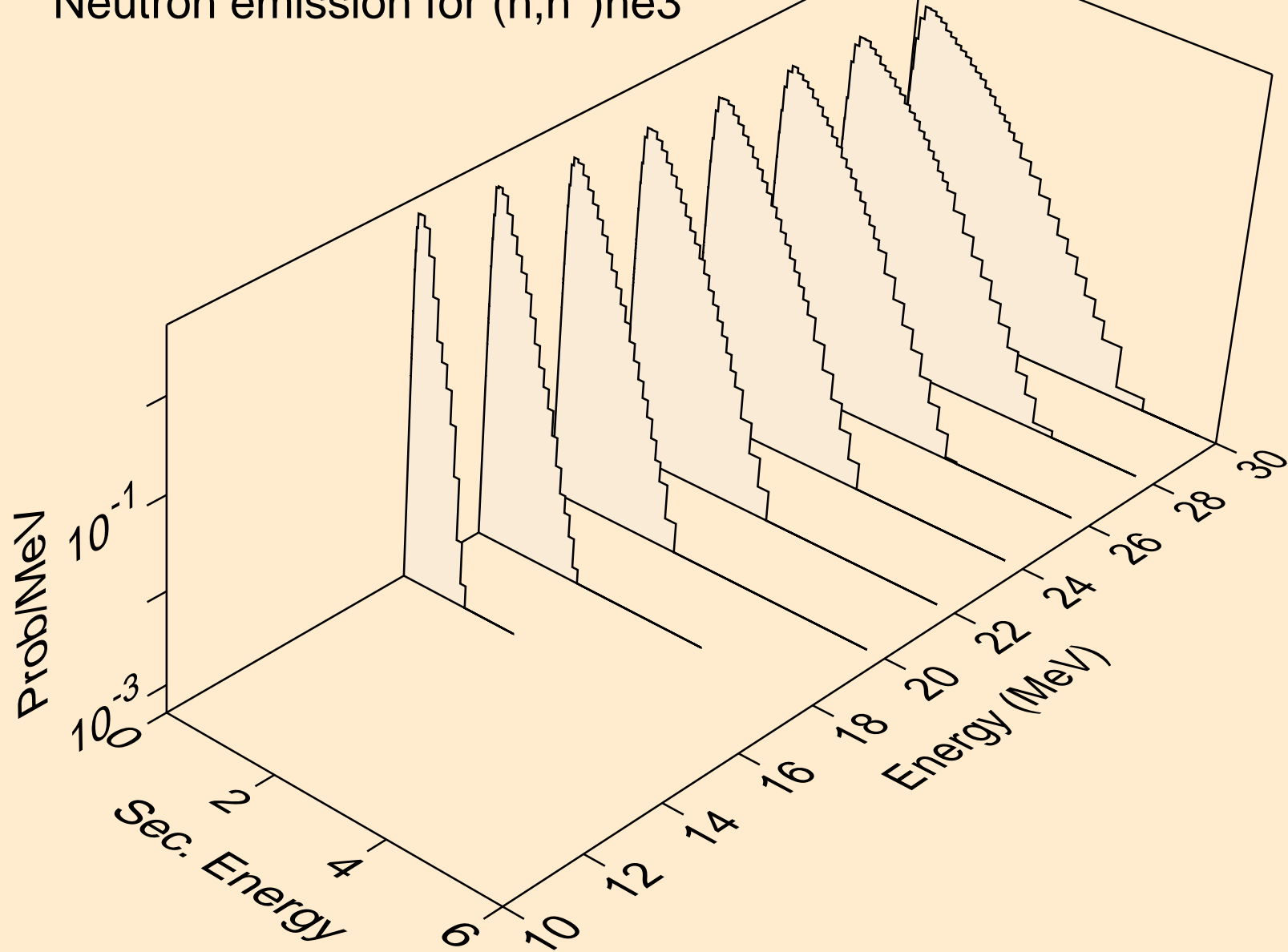
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)d



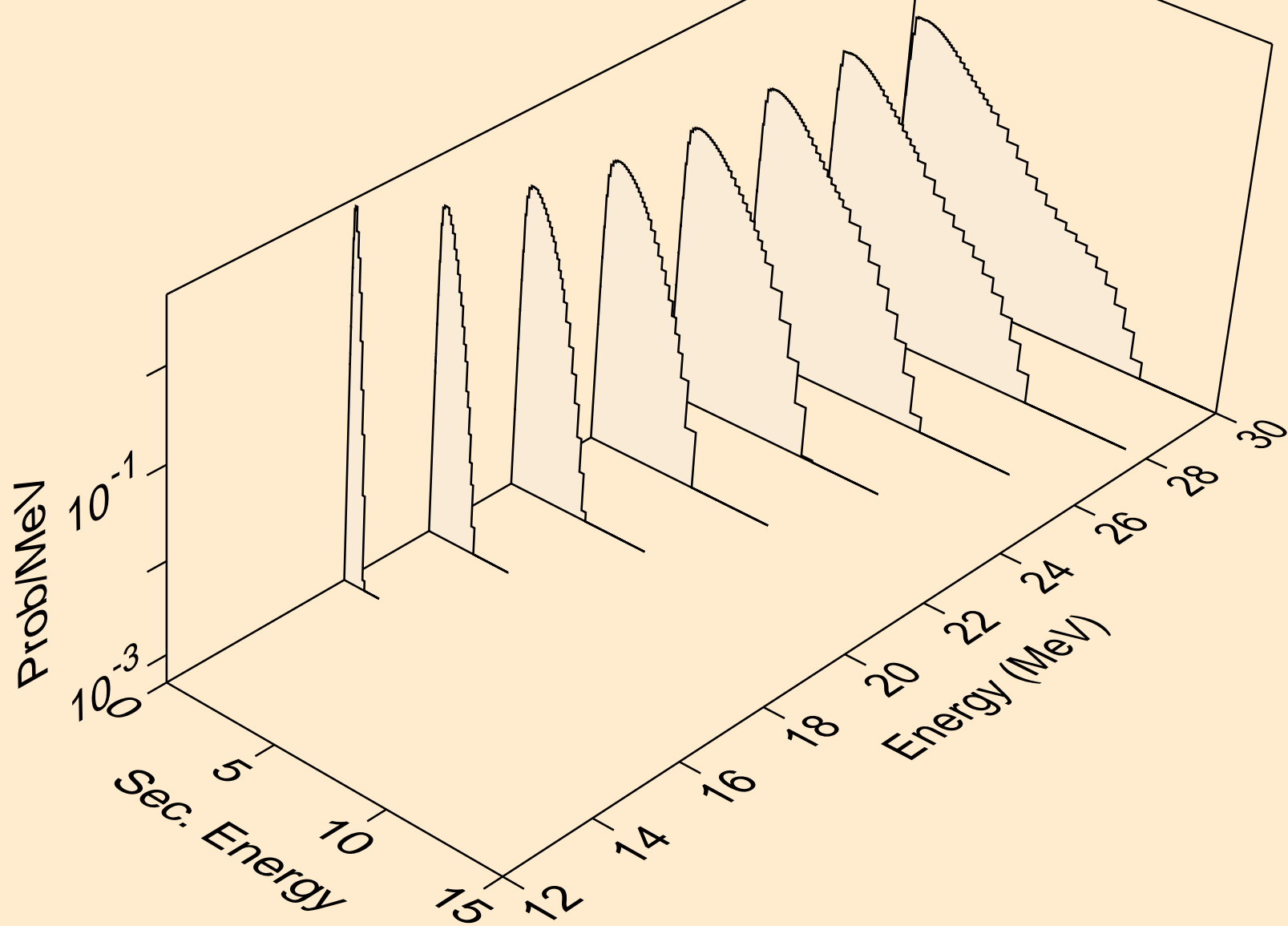
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)t



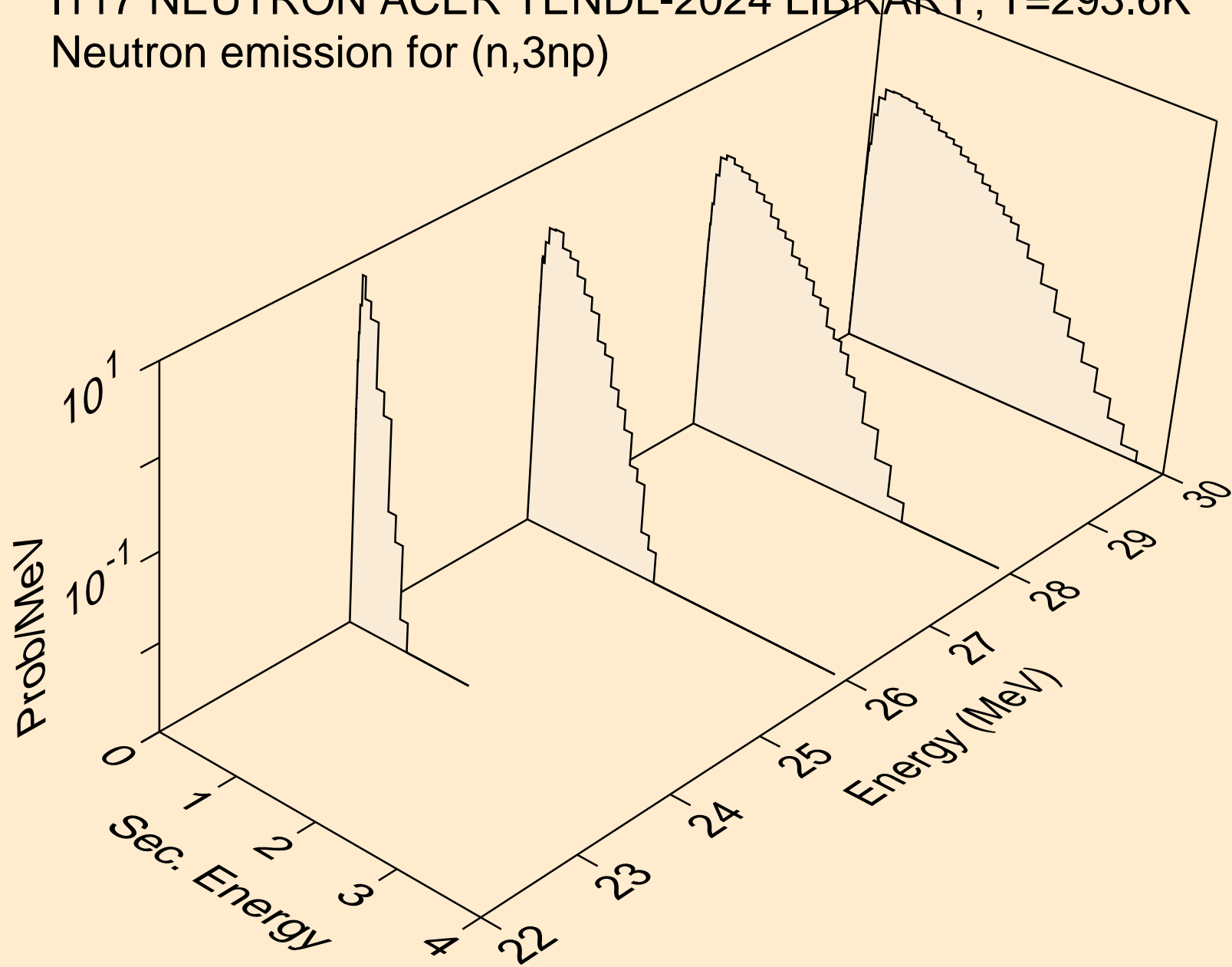
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)he3



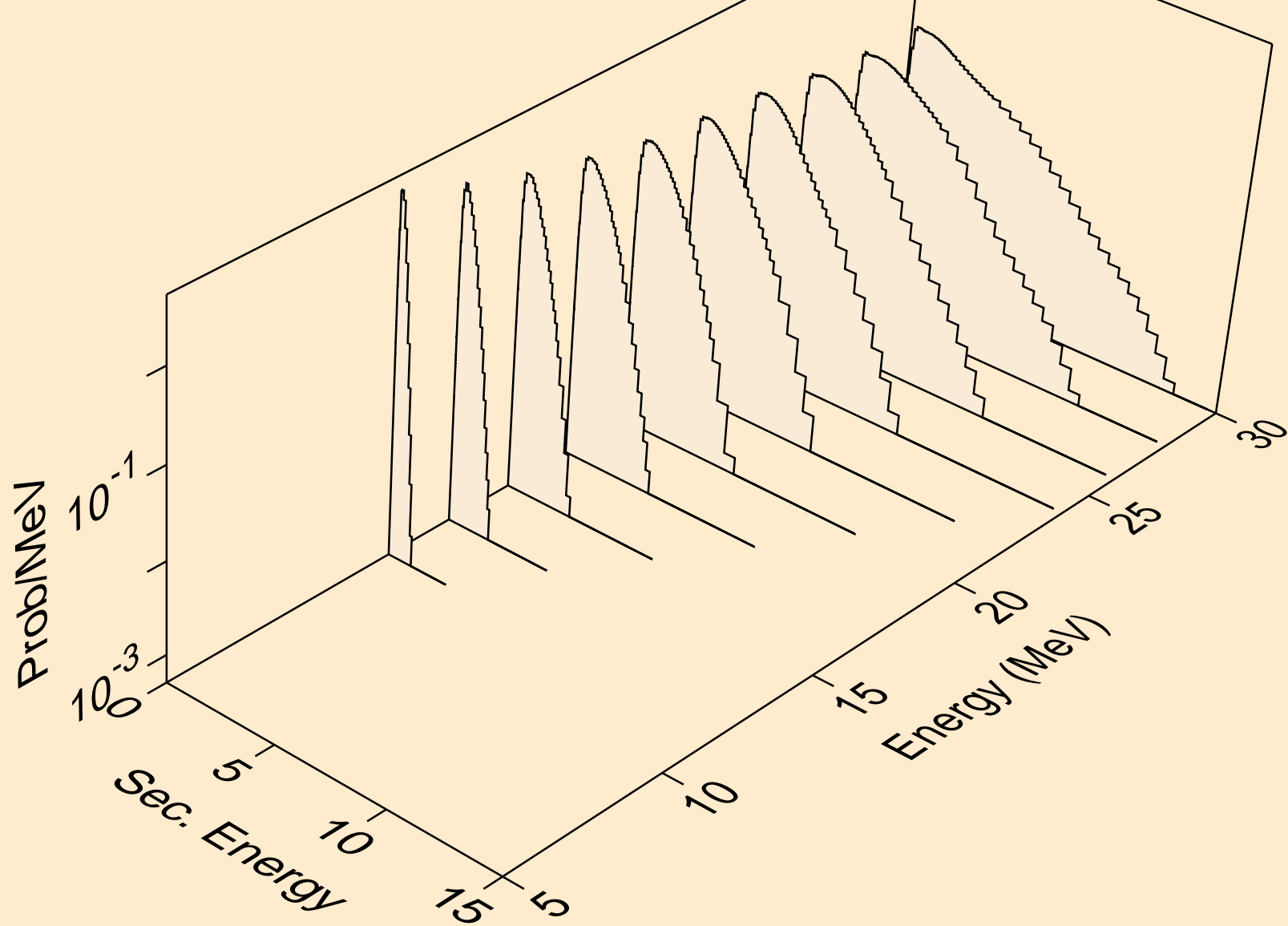
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,2np)



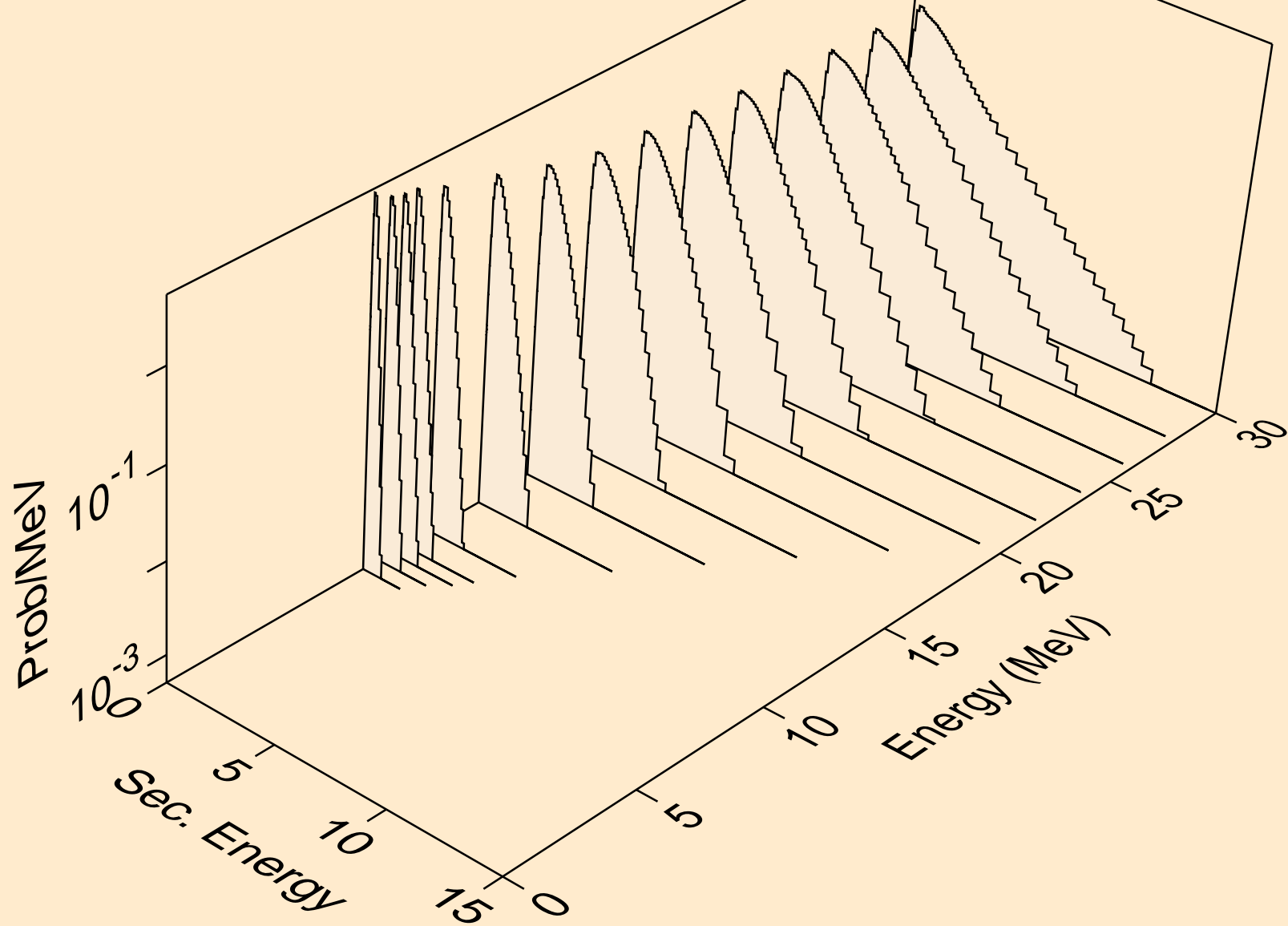
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,3np)



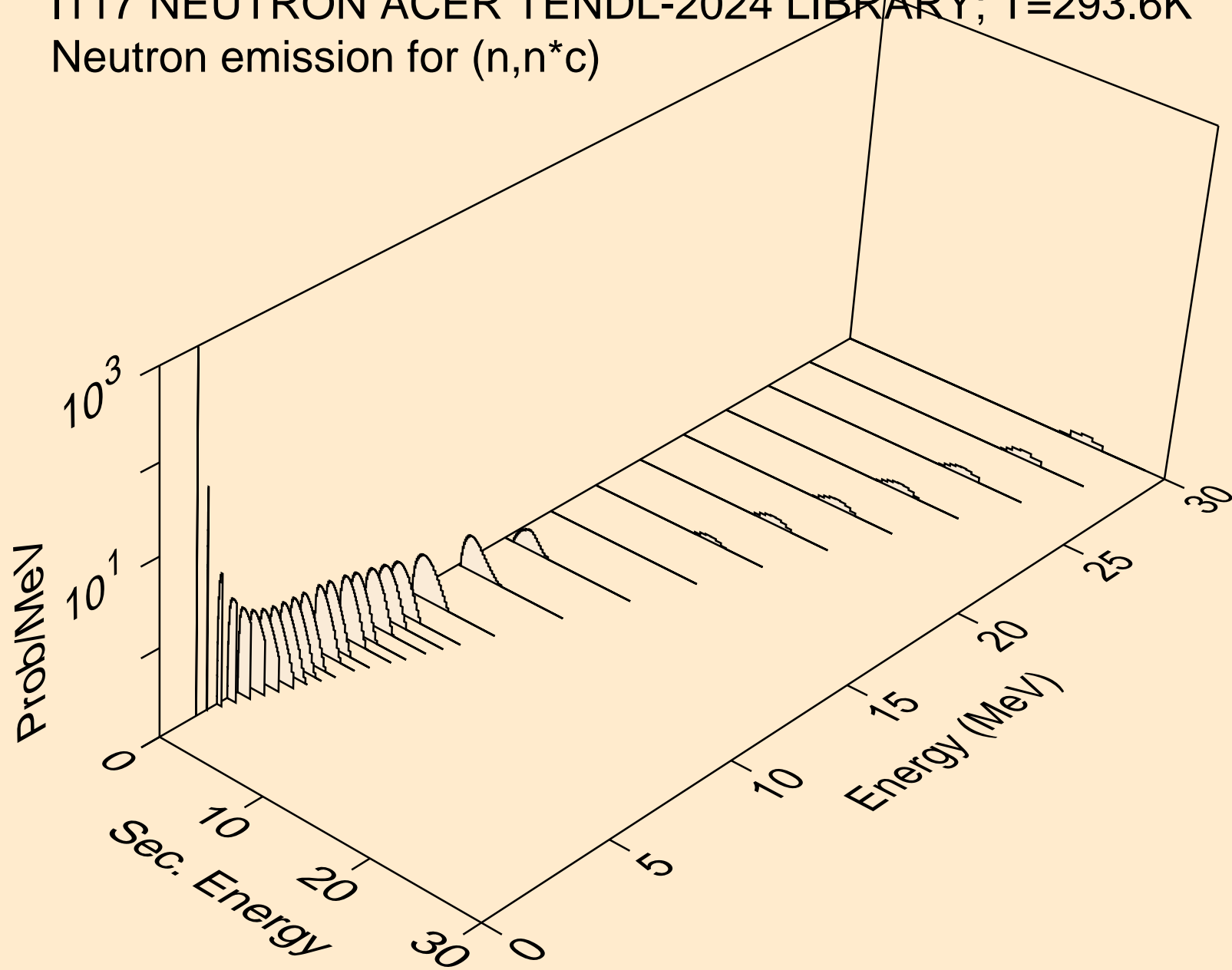
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n2p)



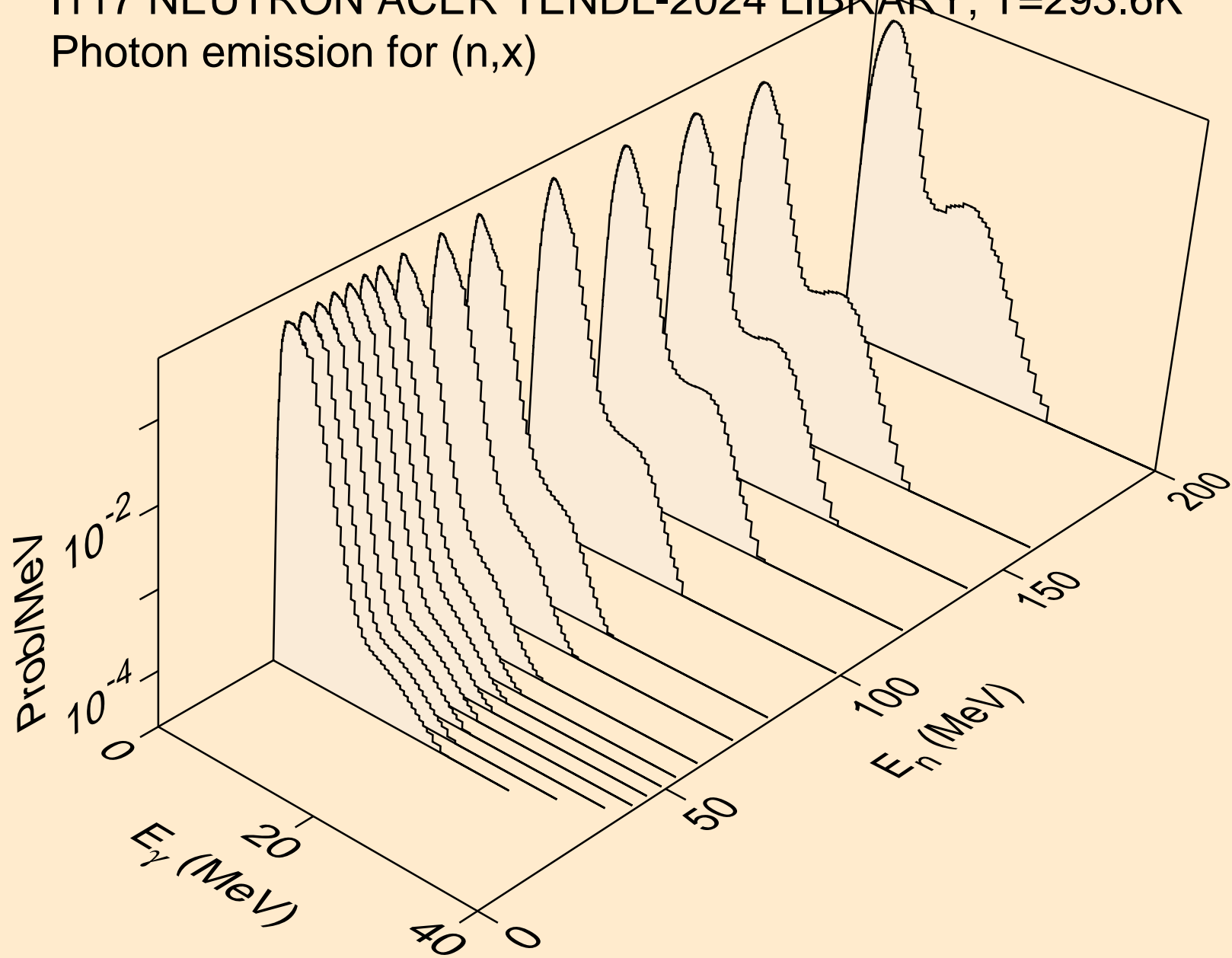
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,npa)



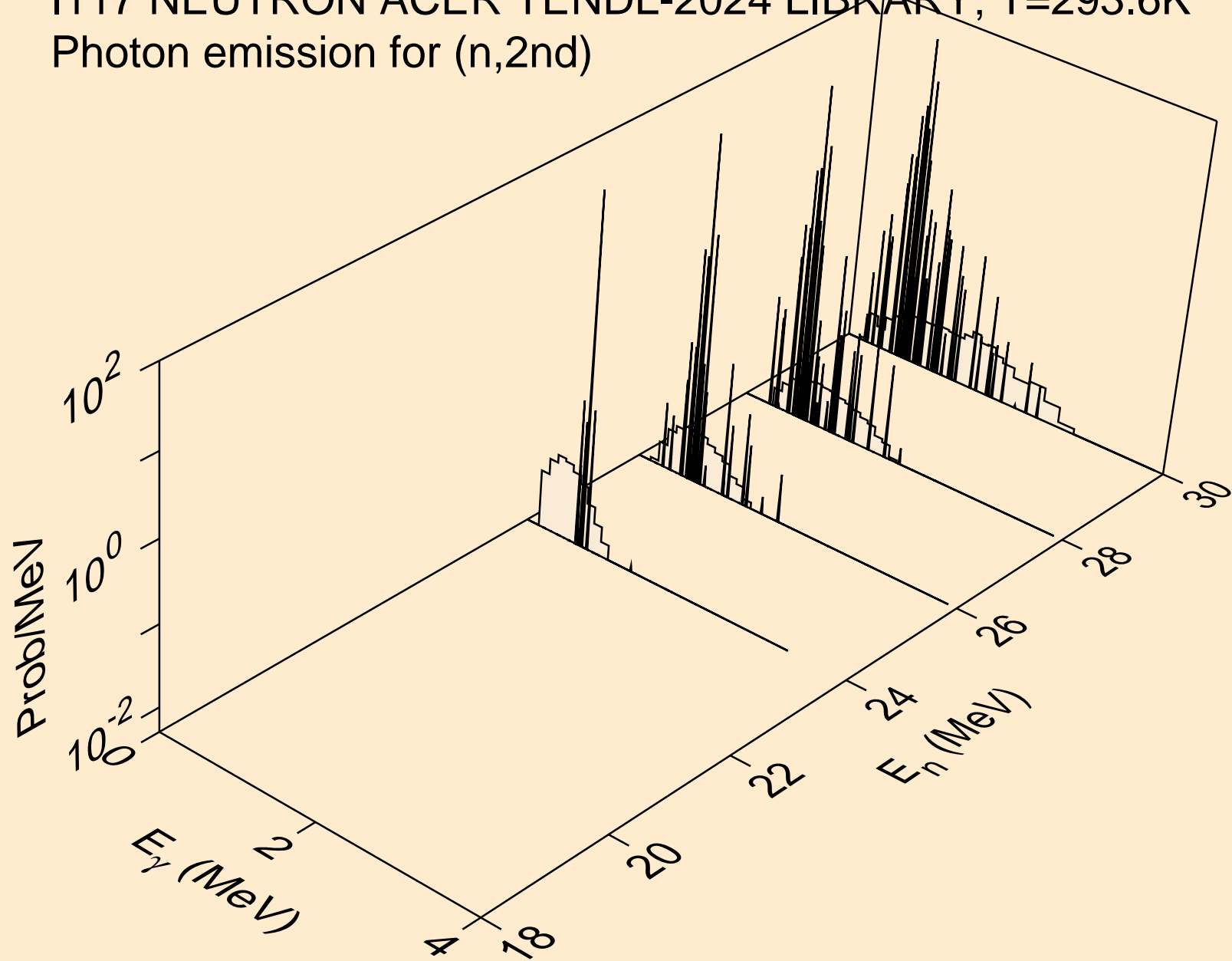
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*c)



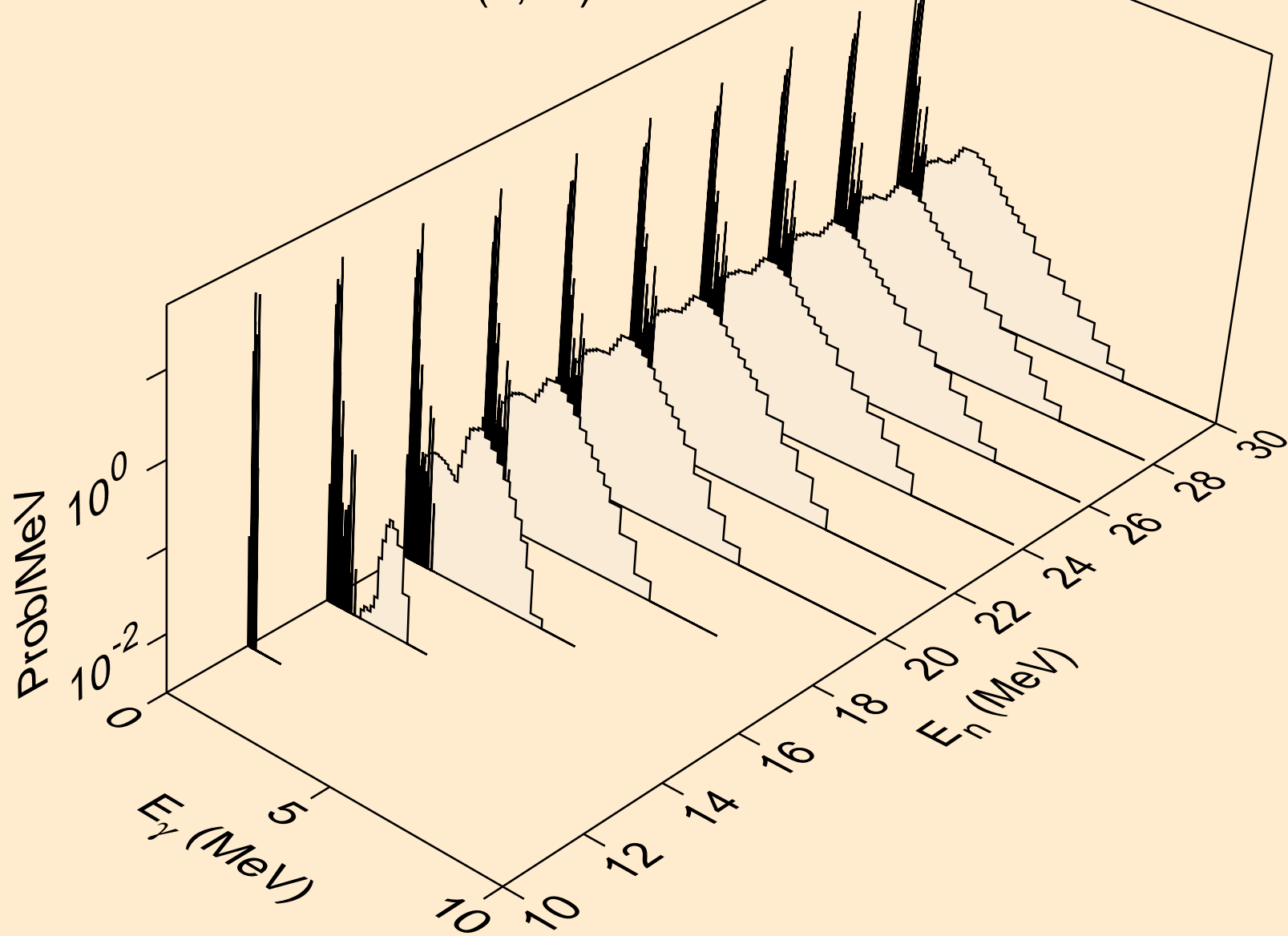
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,x)



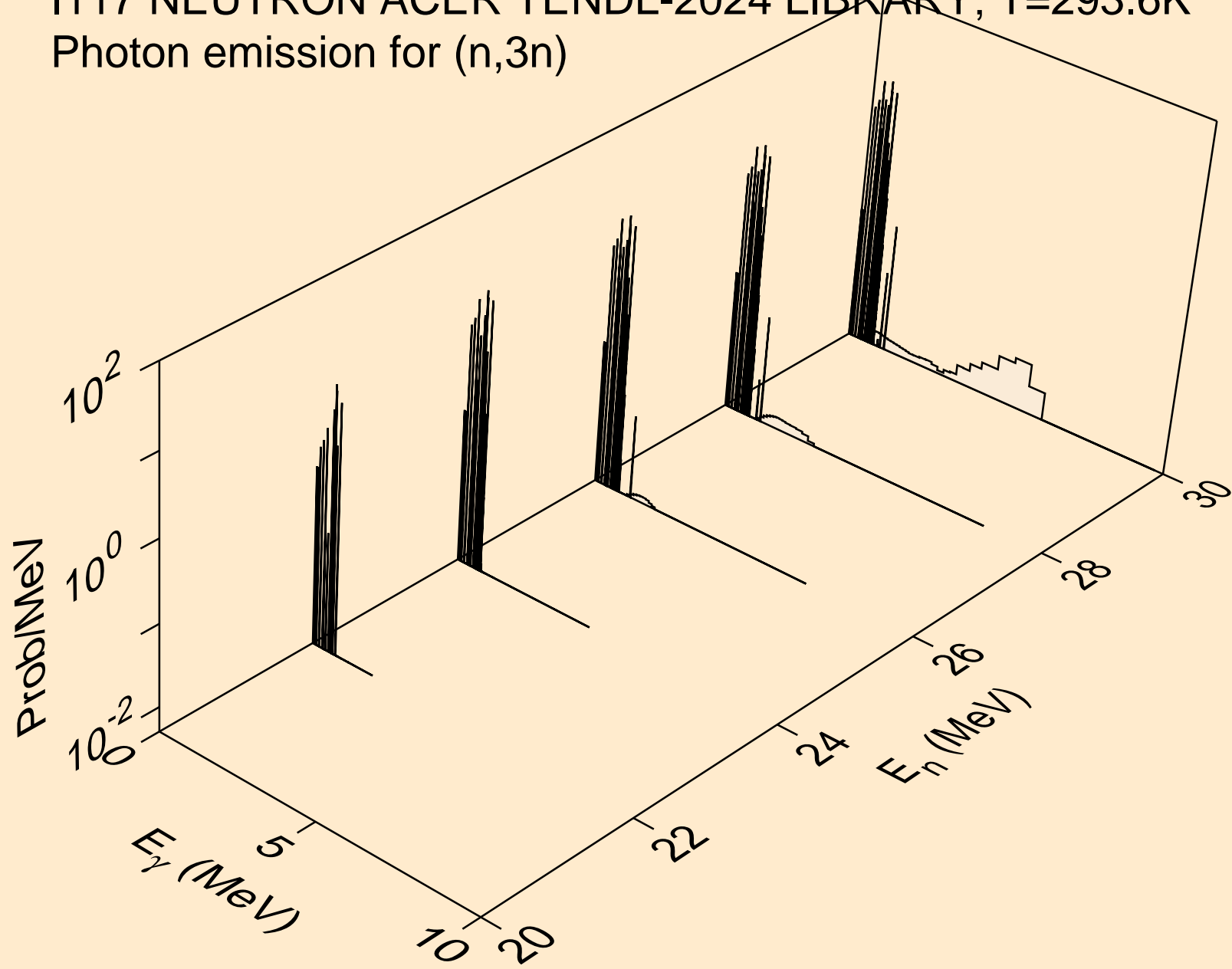
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,2nd)



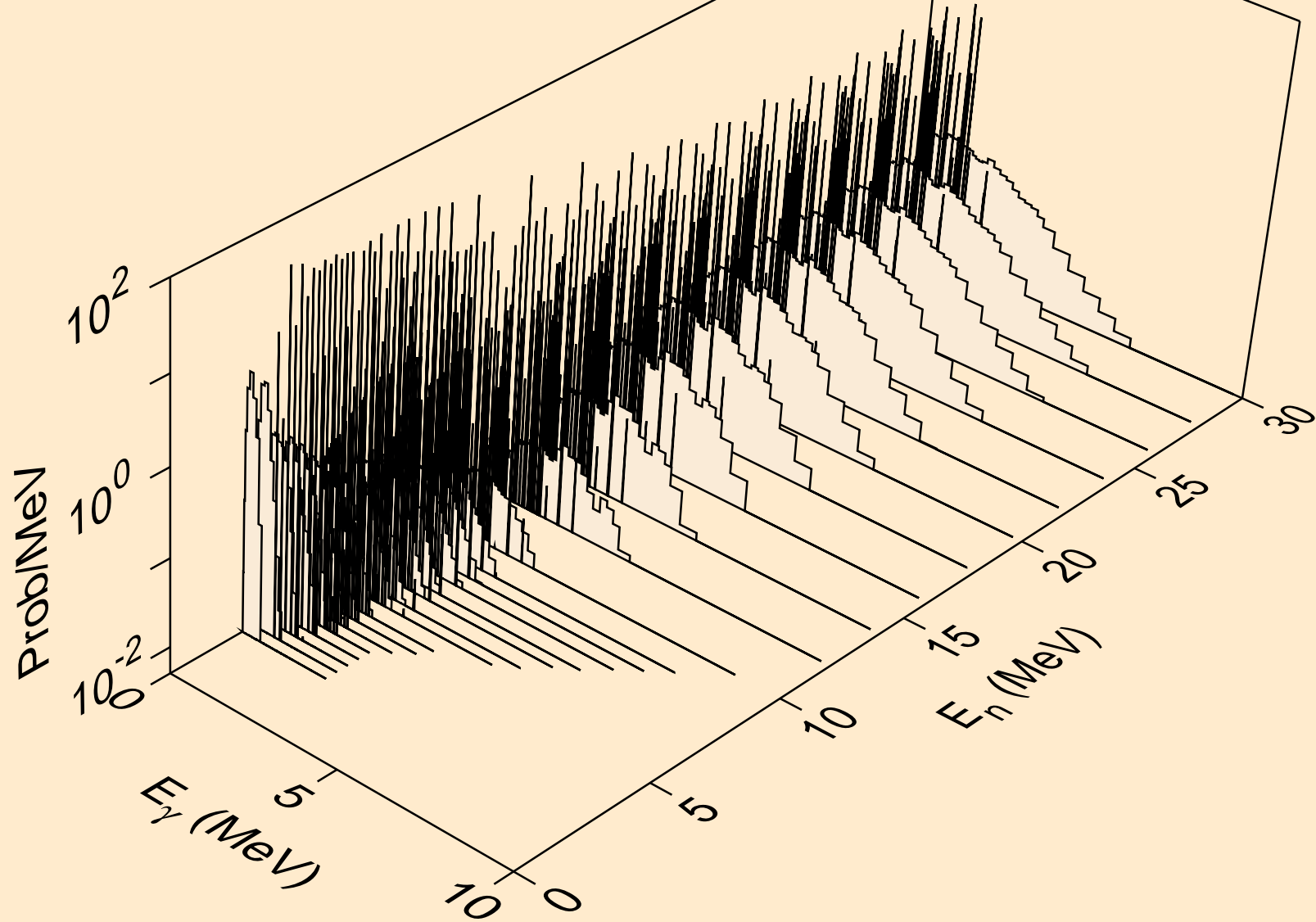
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,2n)



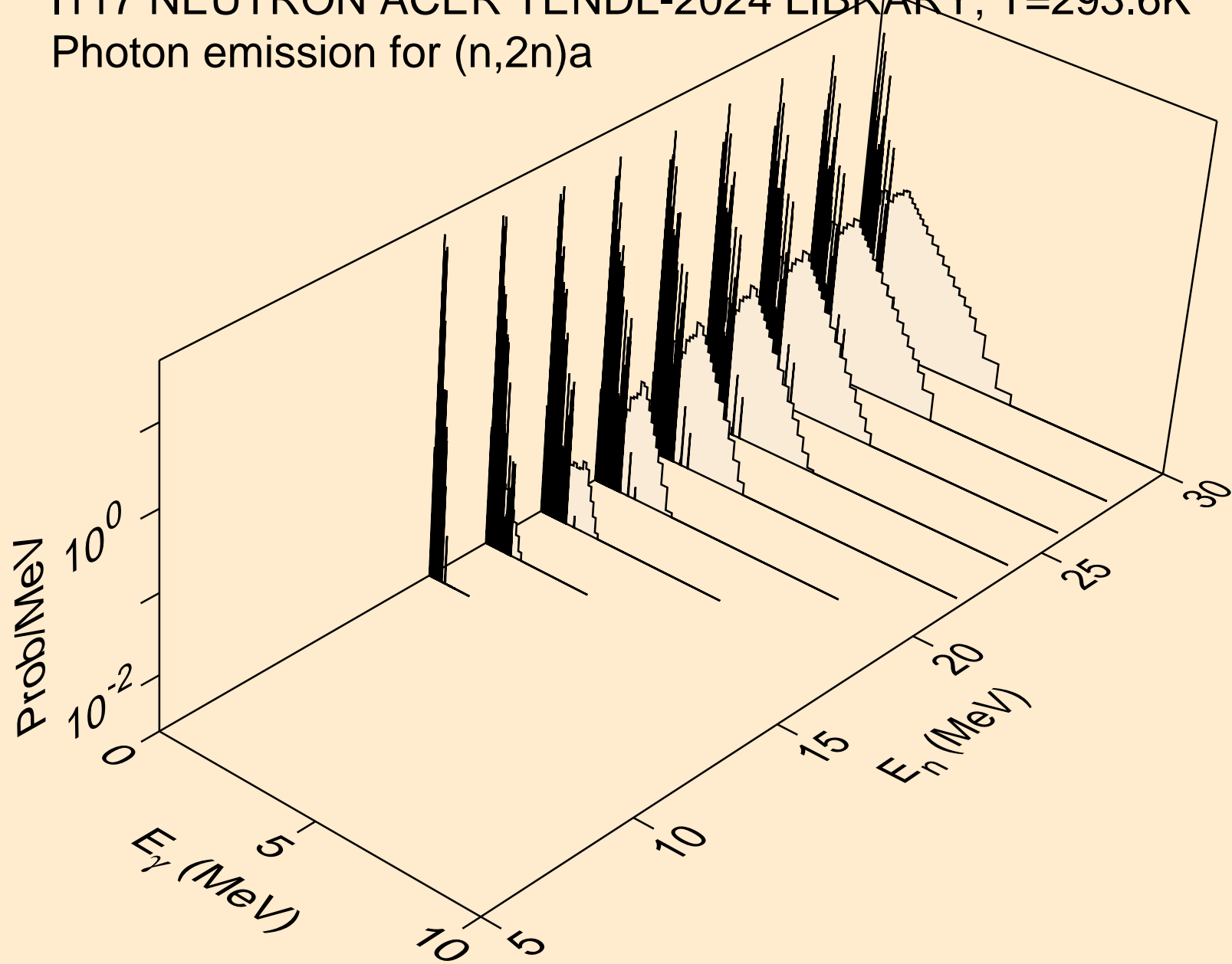
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,3n)



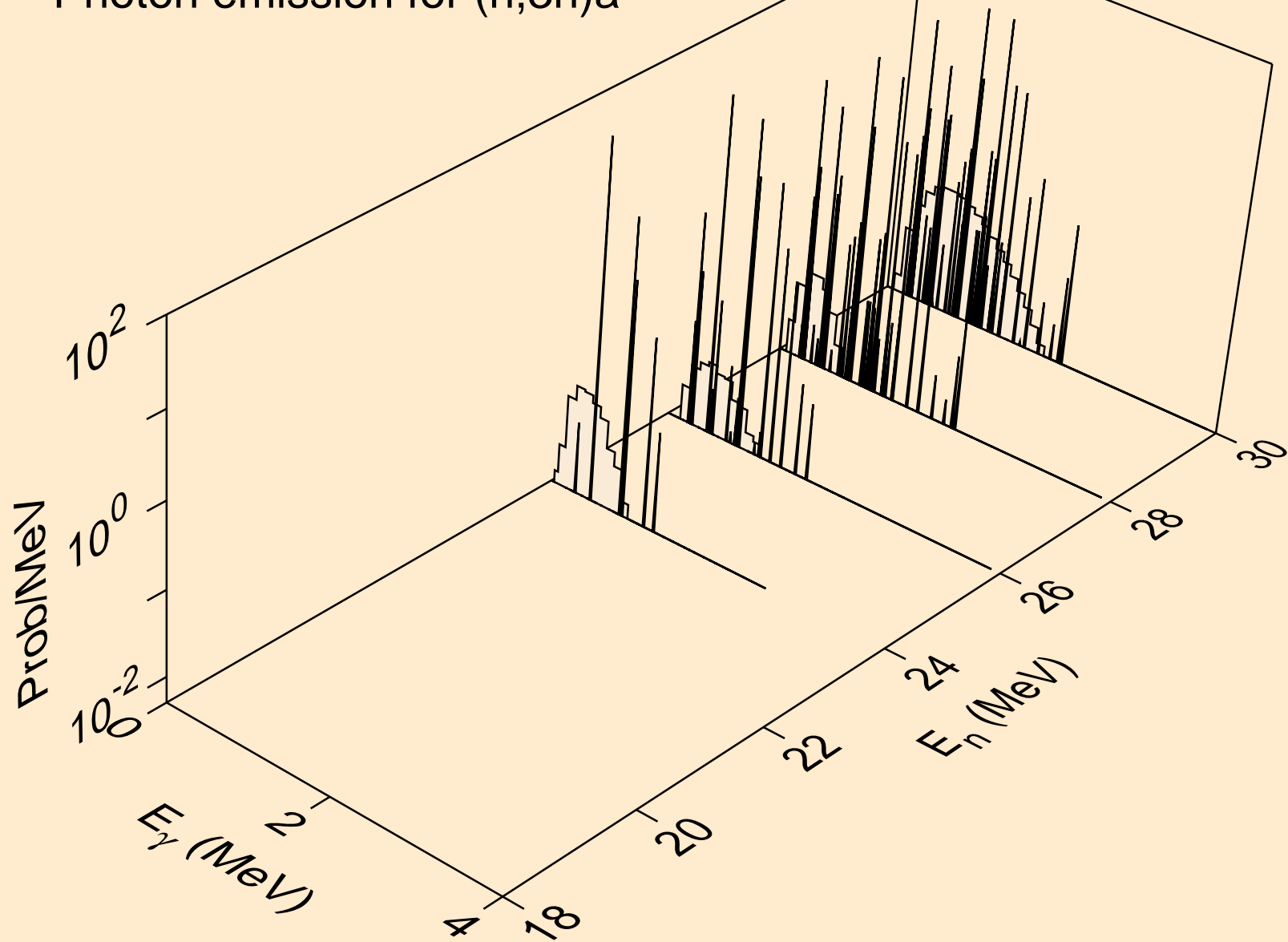
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*)a



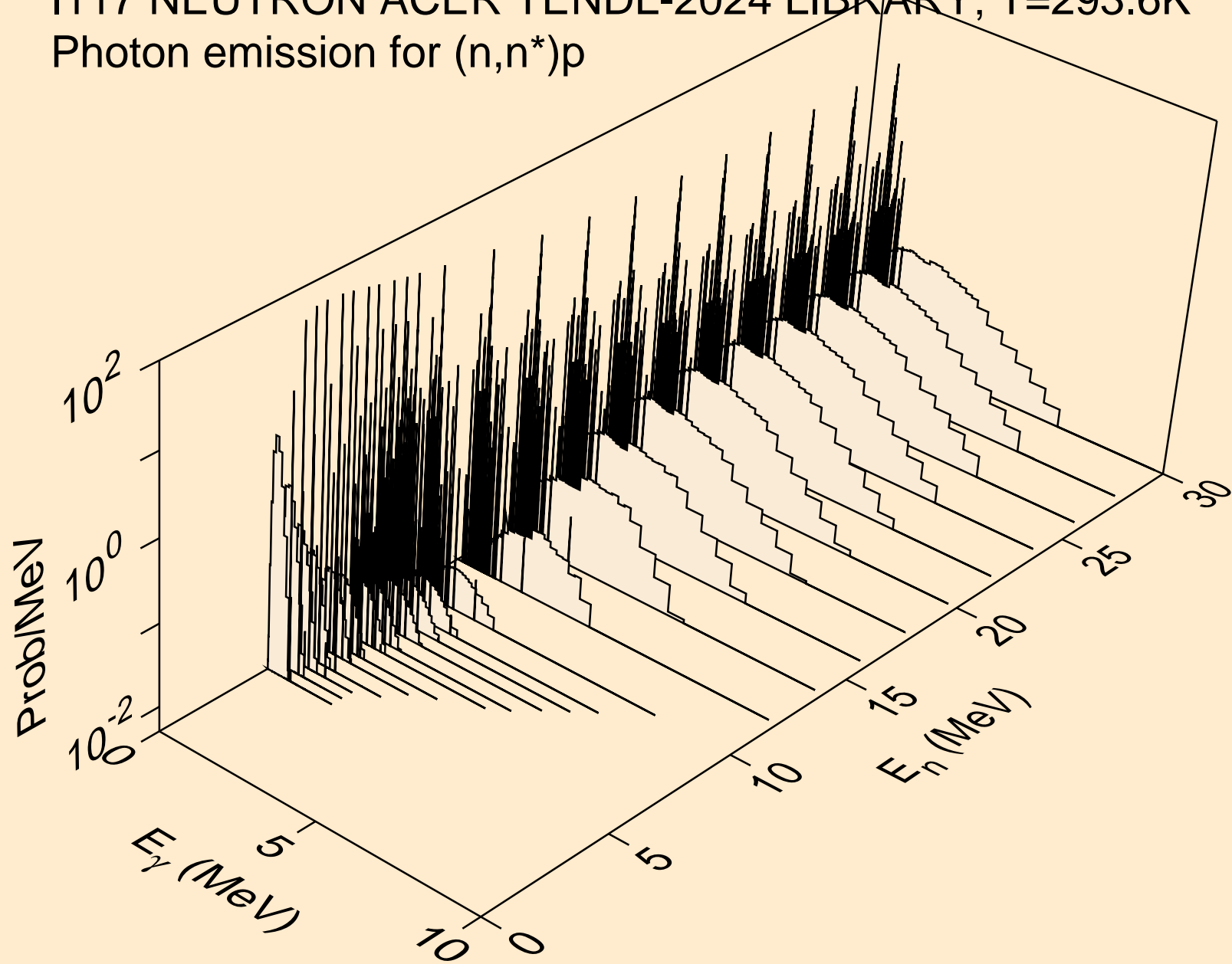
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,2n)a



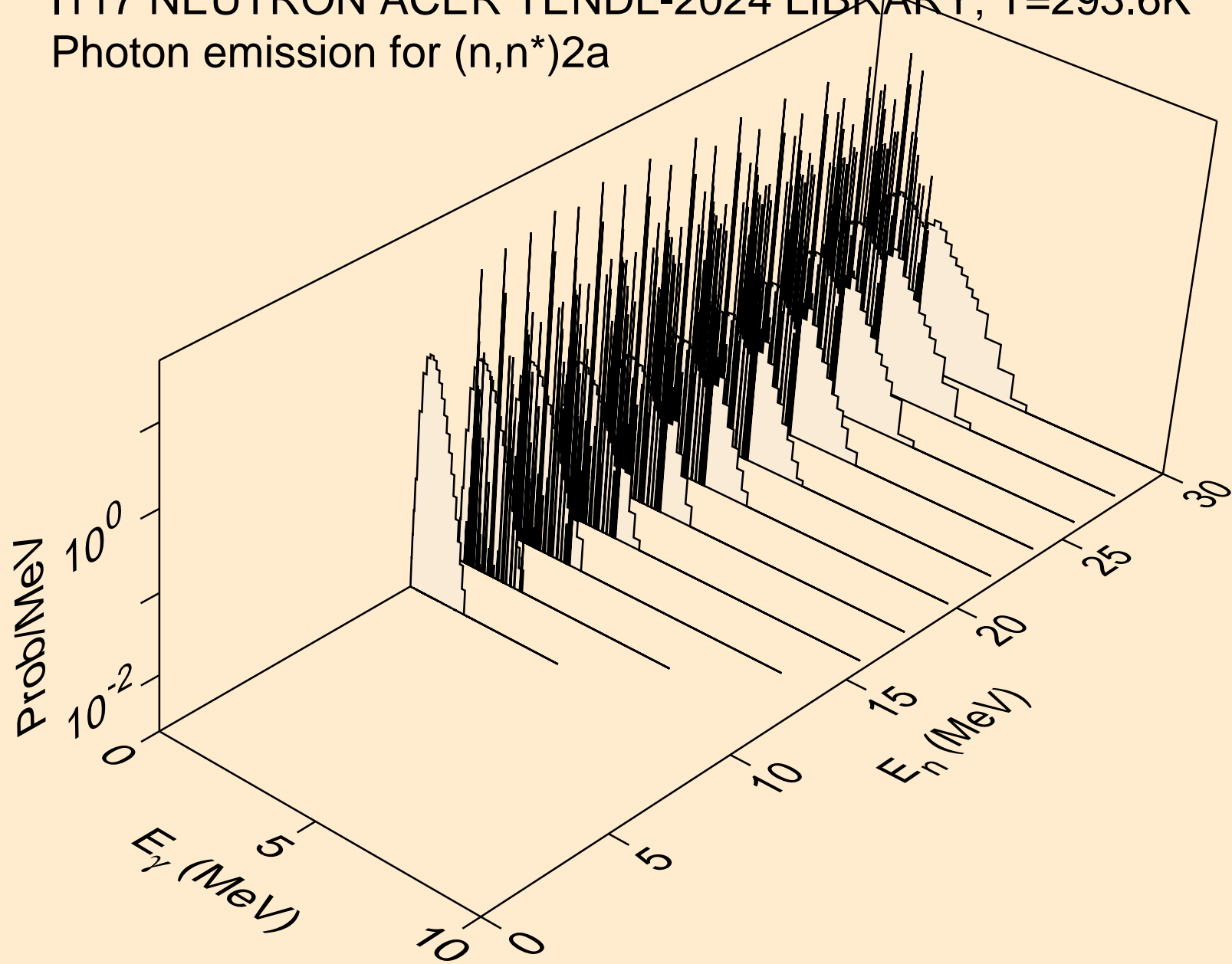
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,3n)a



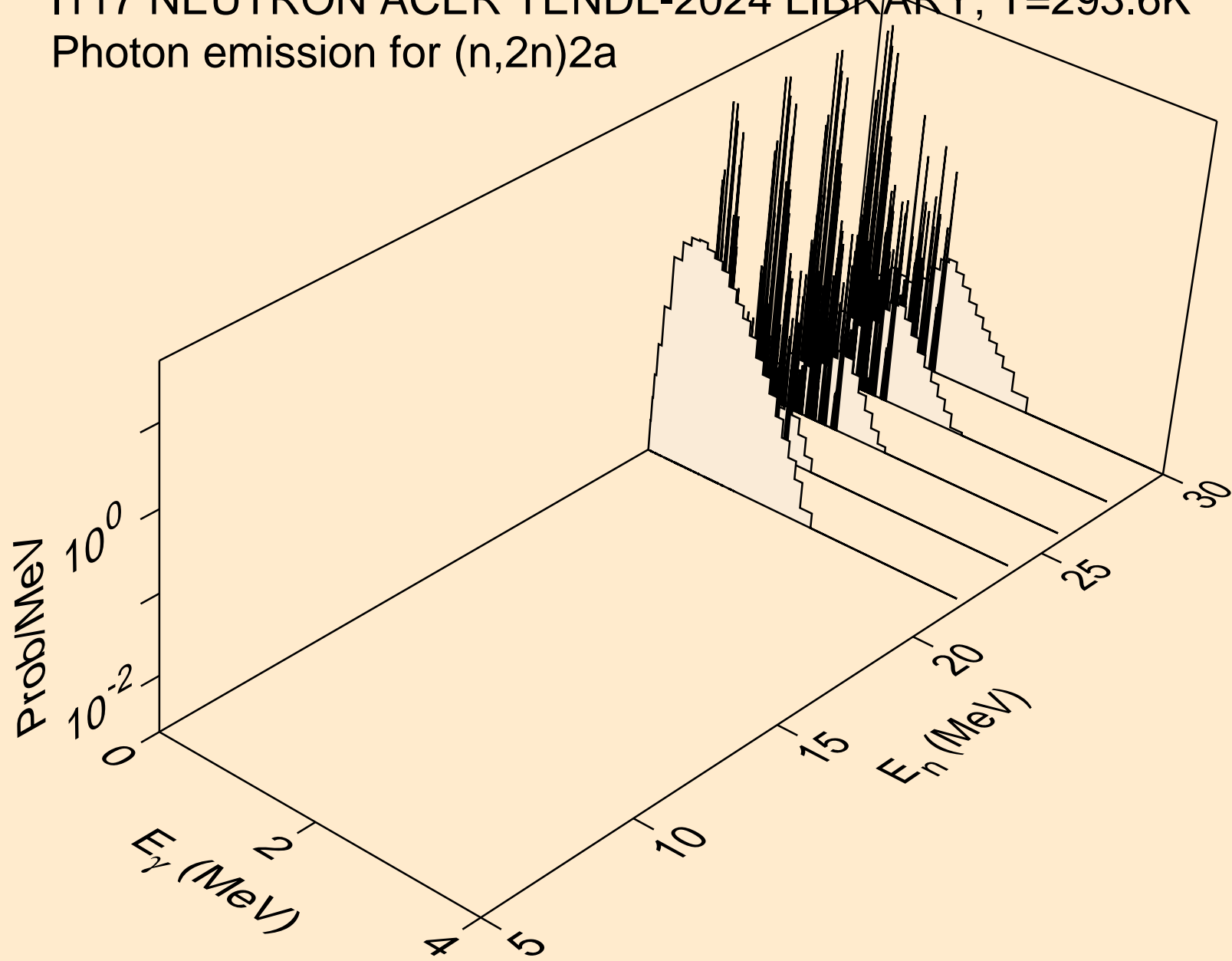
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*)p



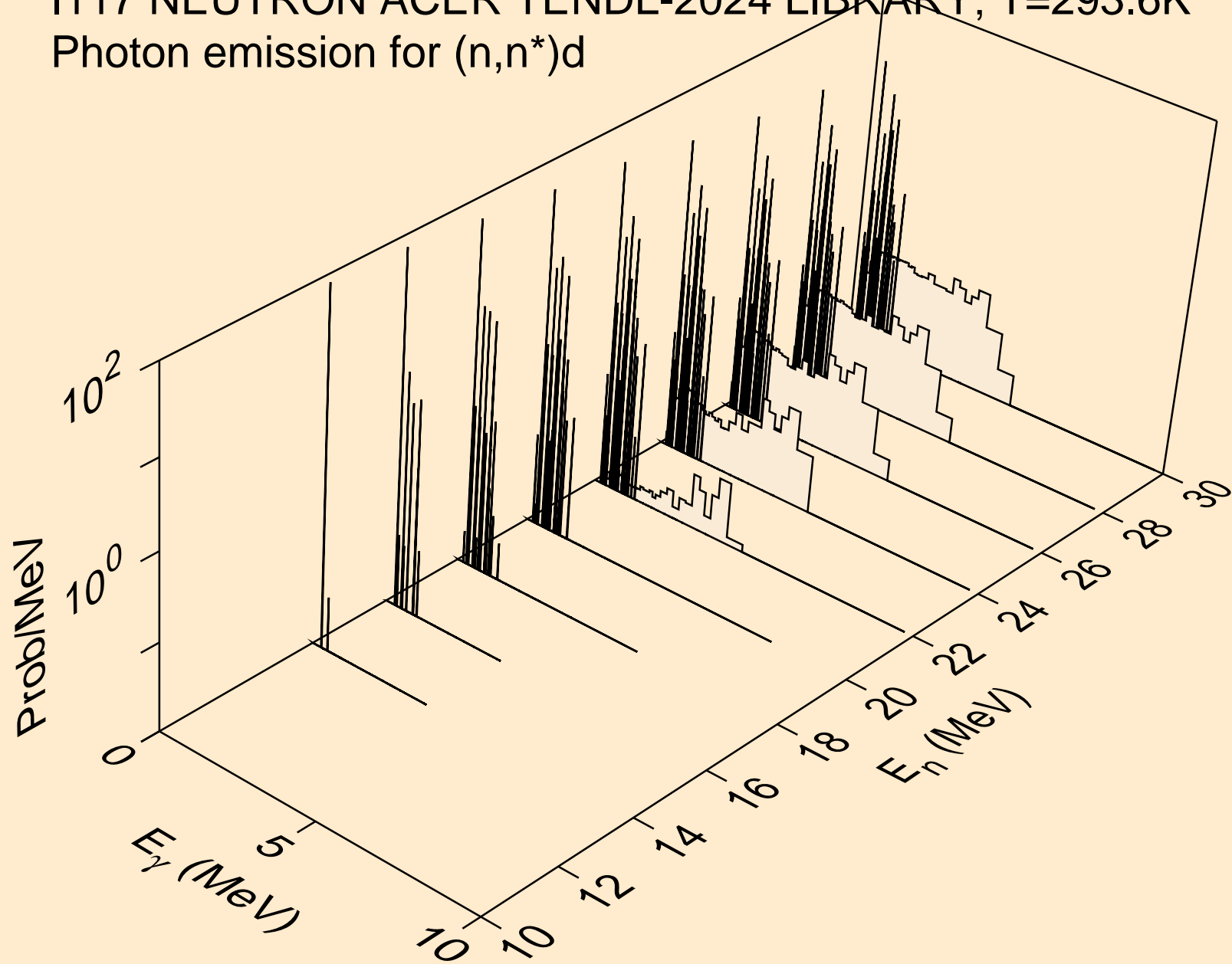
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*)2a



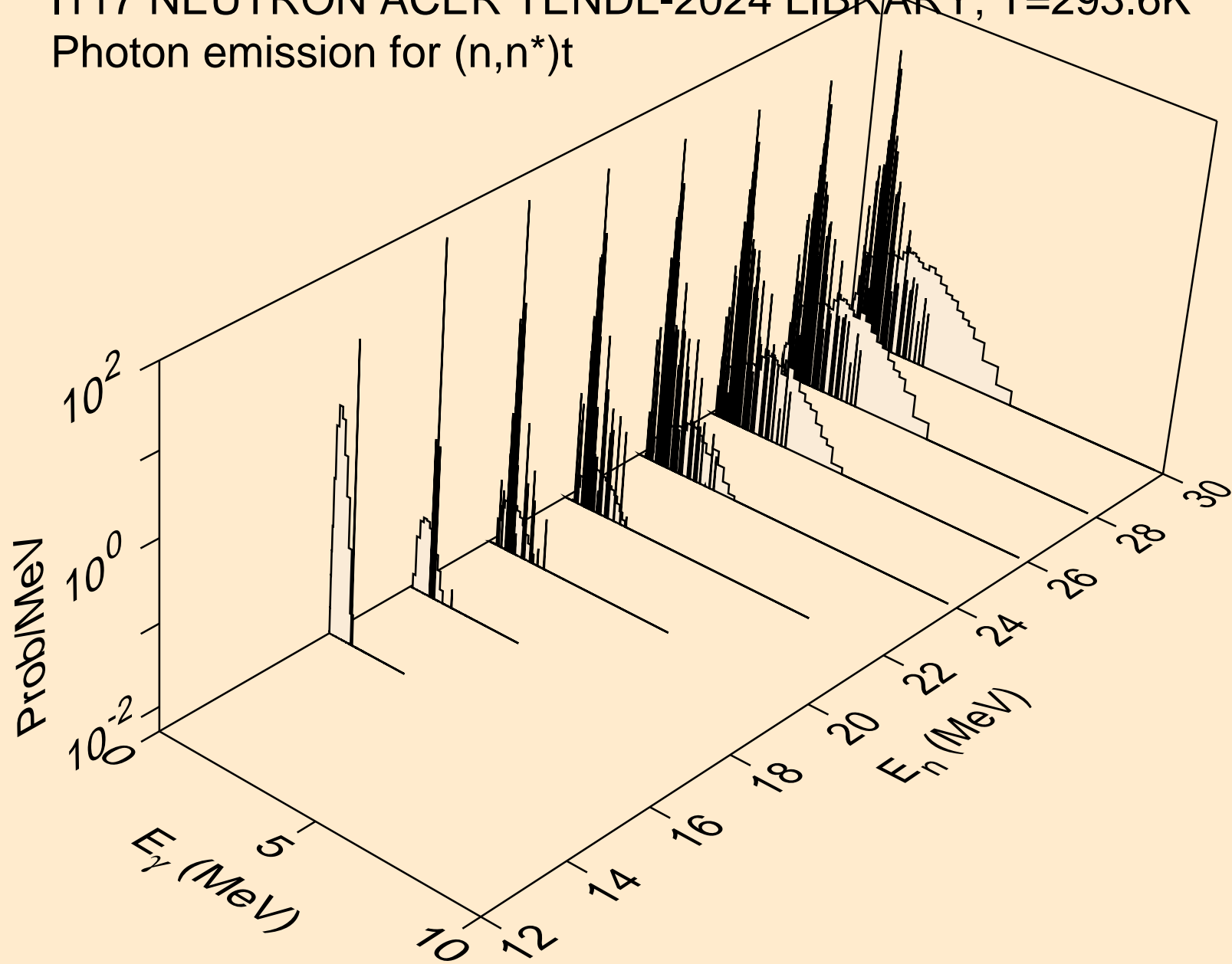
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,2n)2a



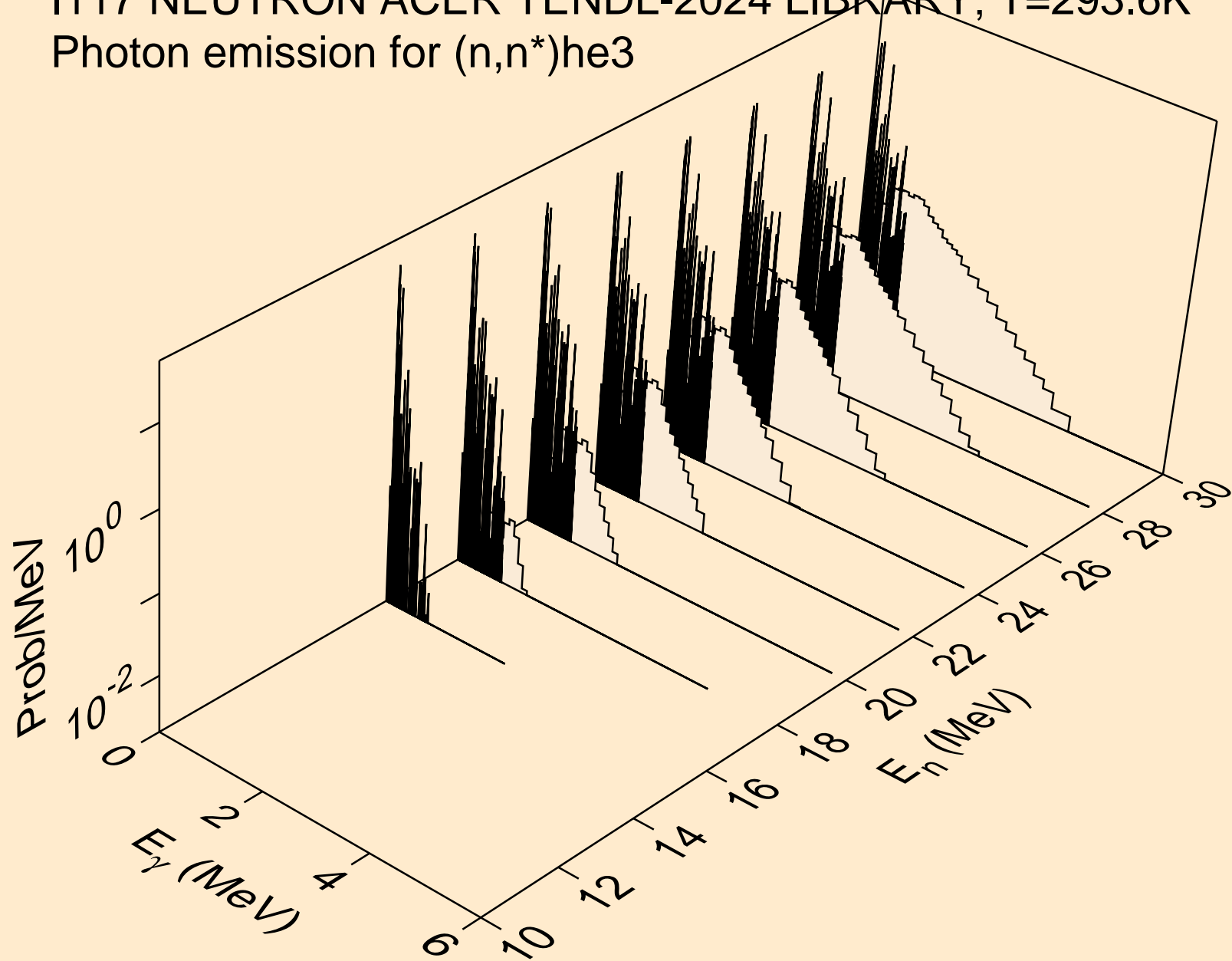
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*)d



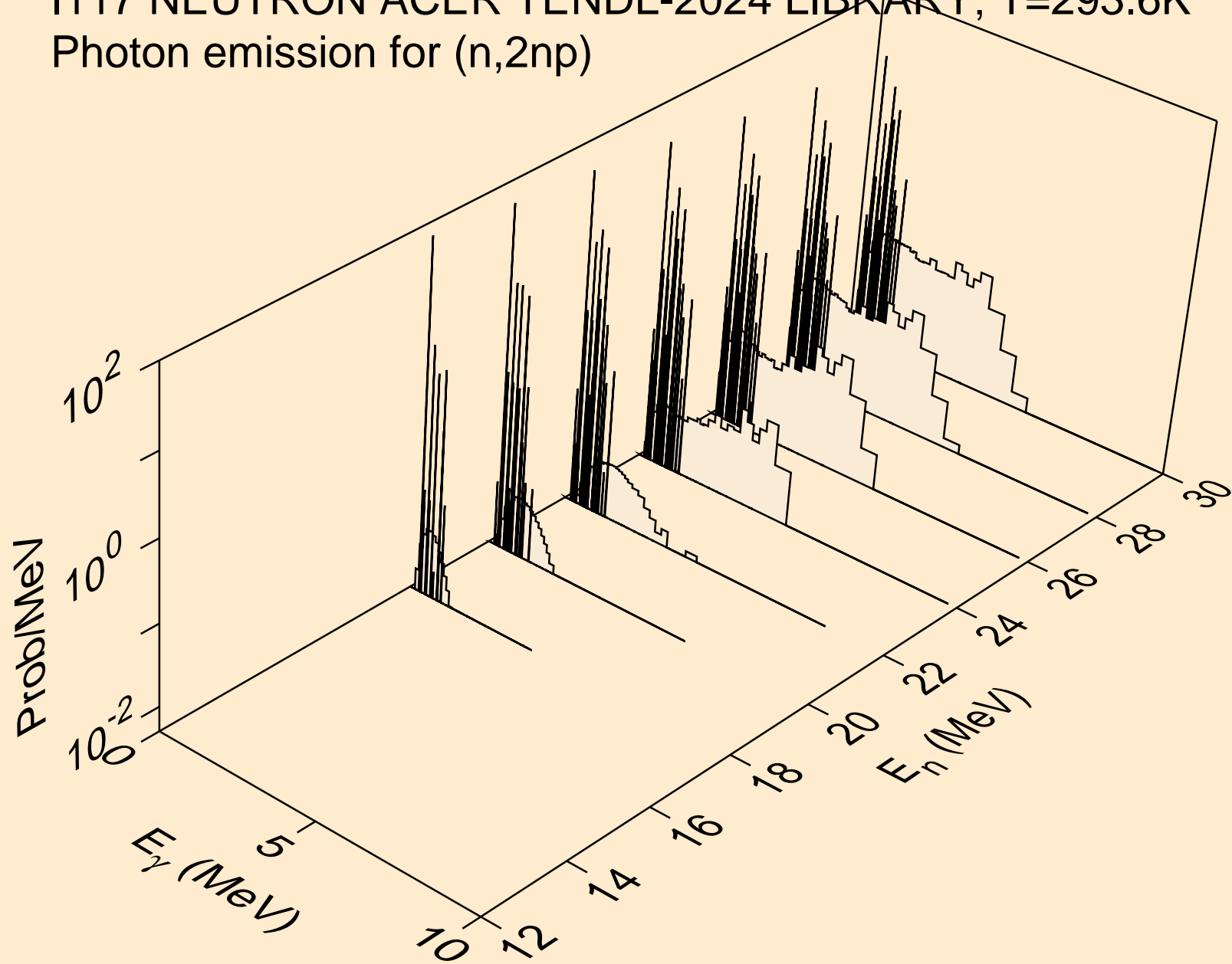
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*)t



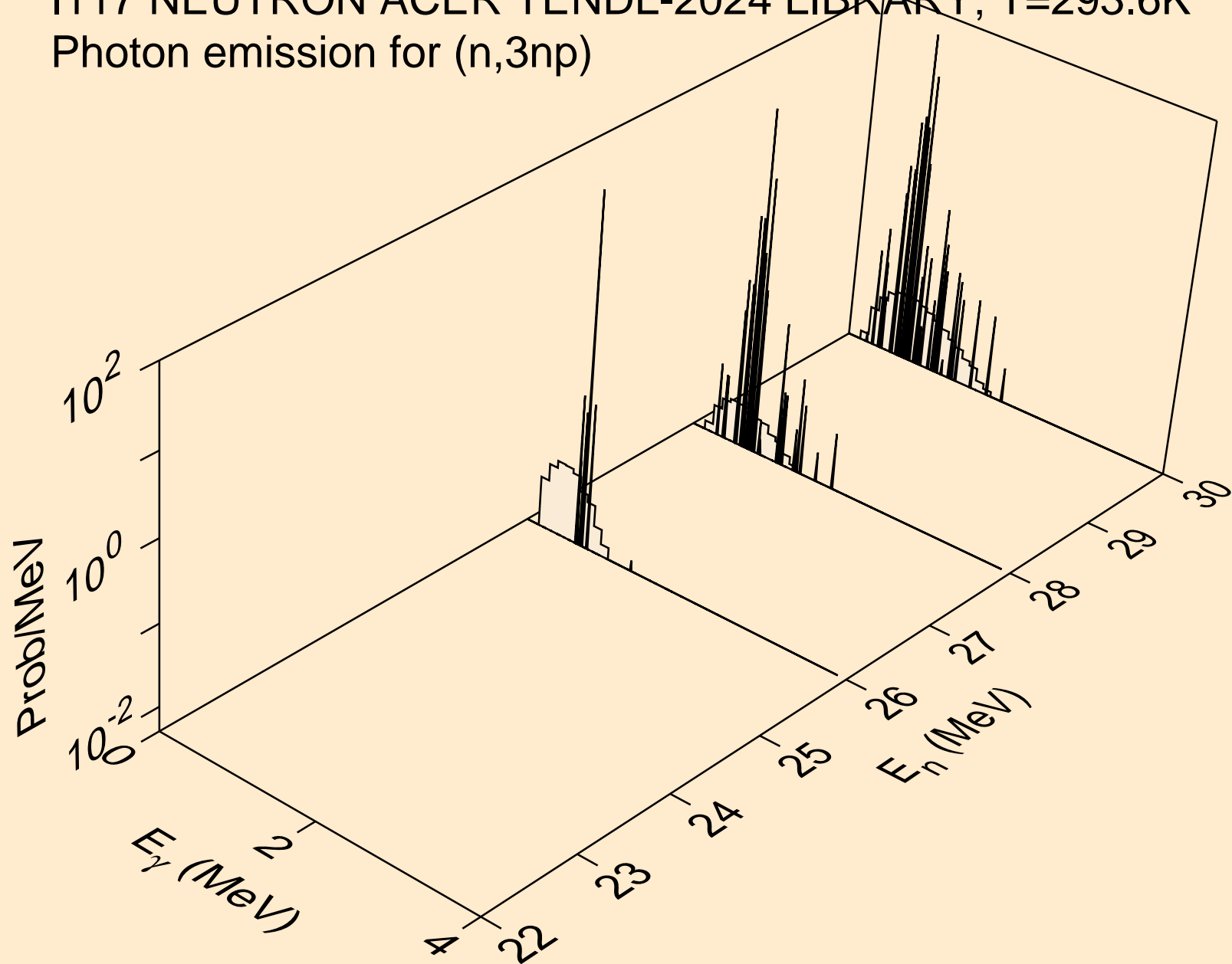
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*)he3



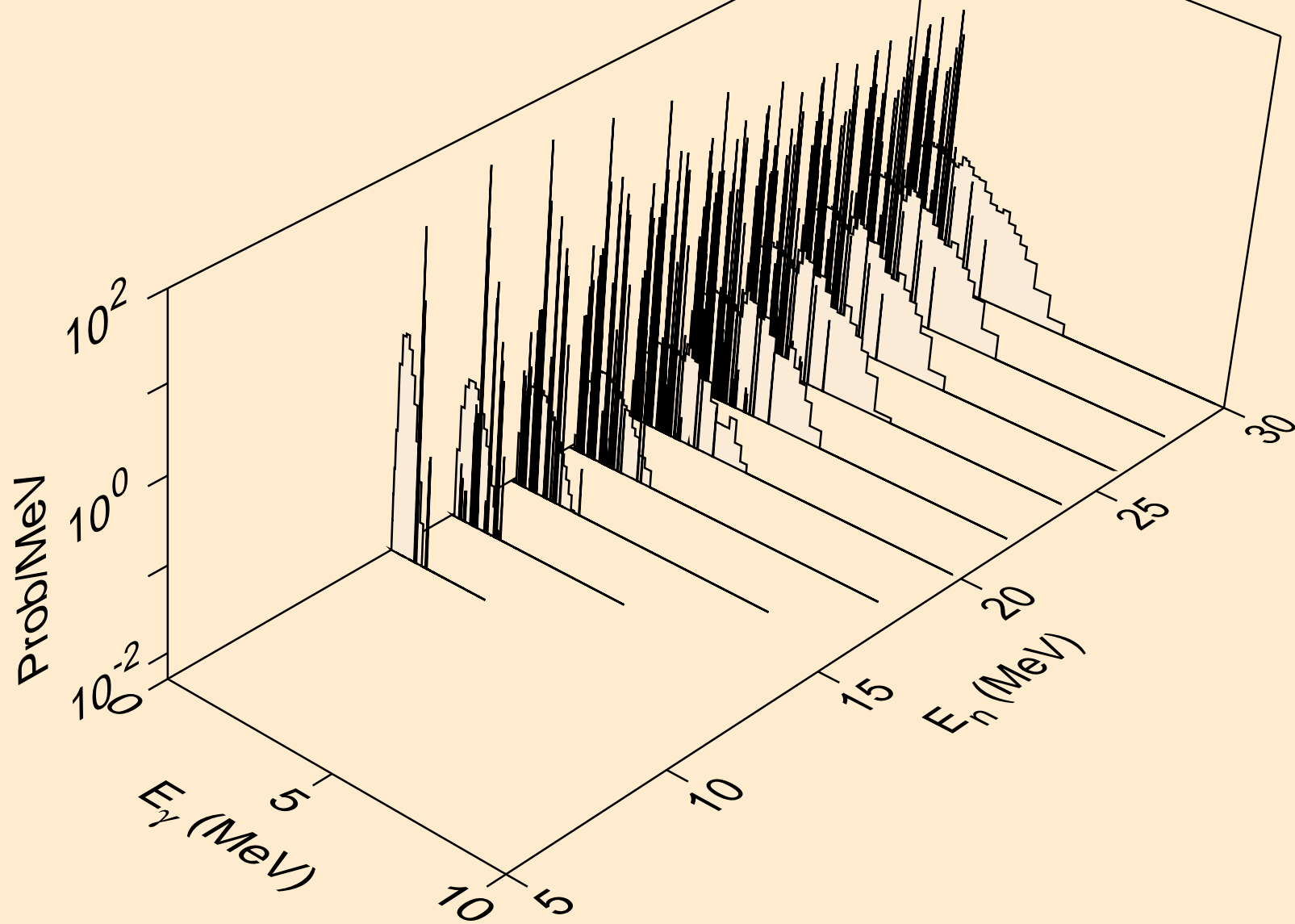
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,2np)



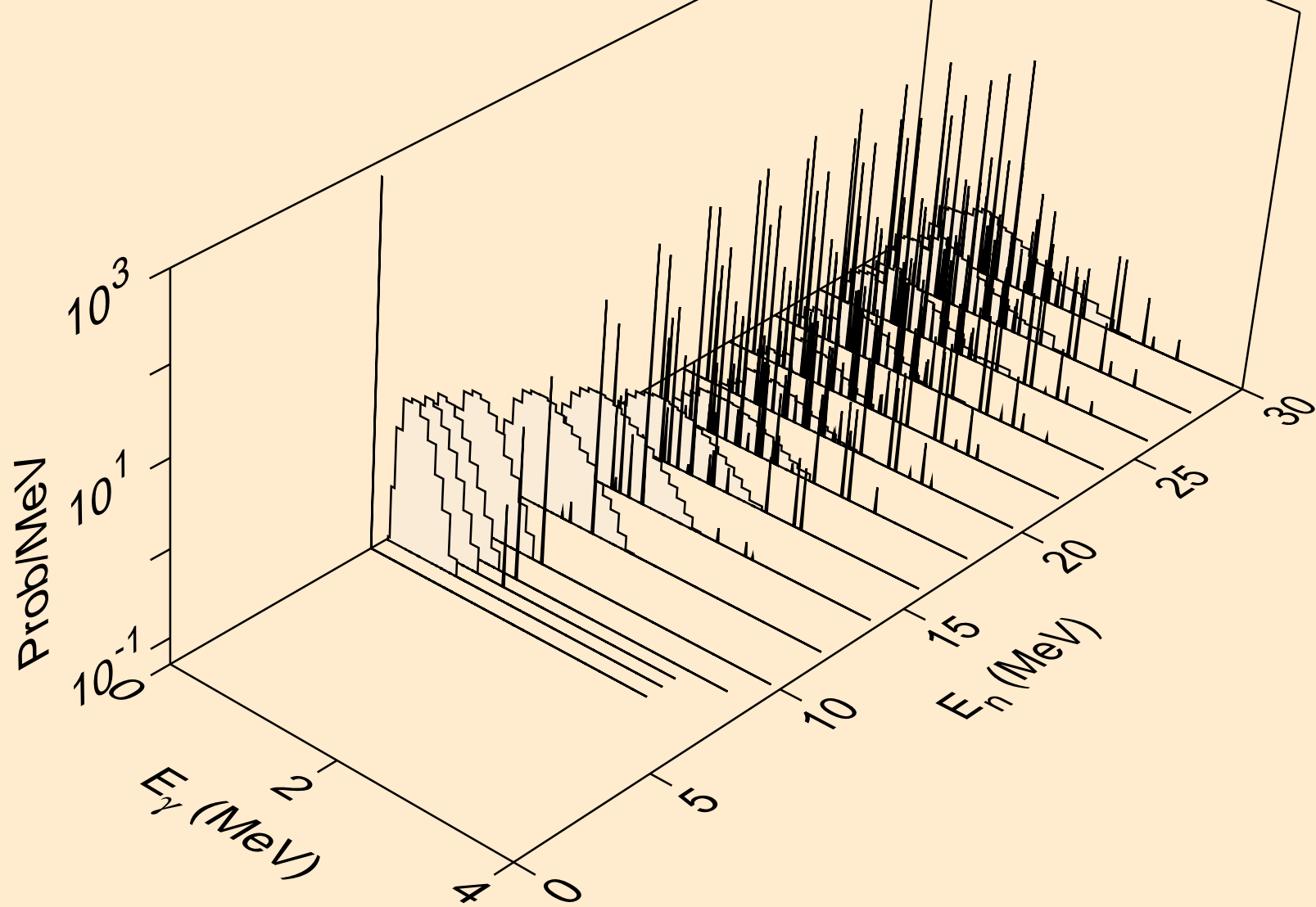
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,3np)



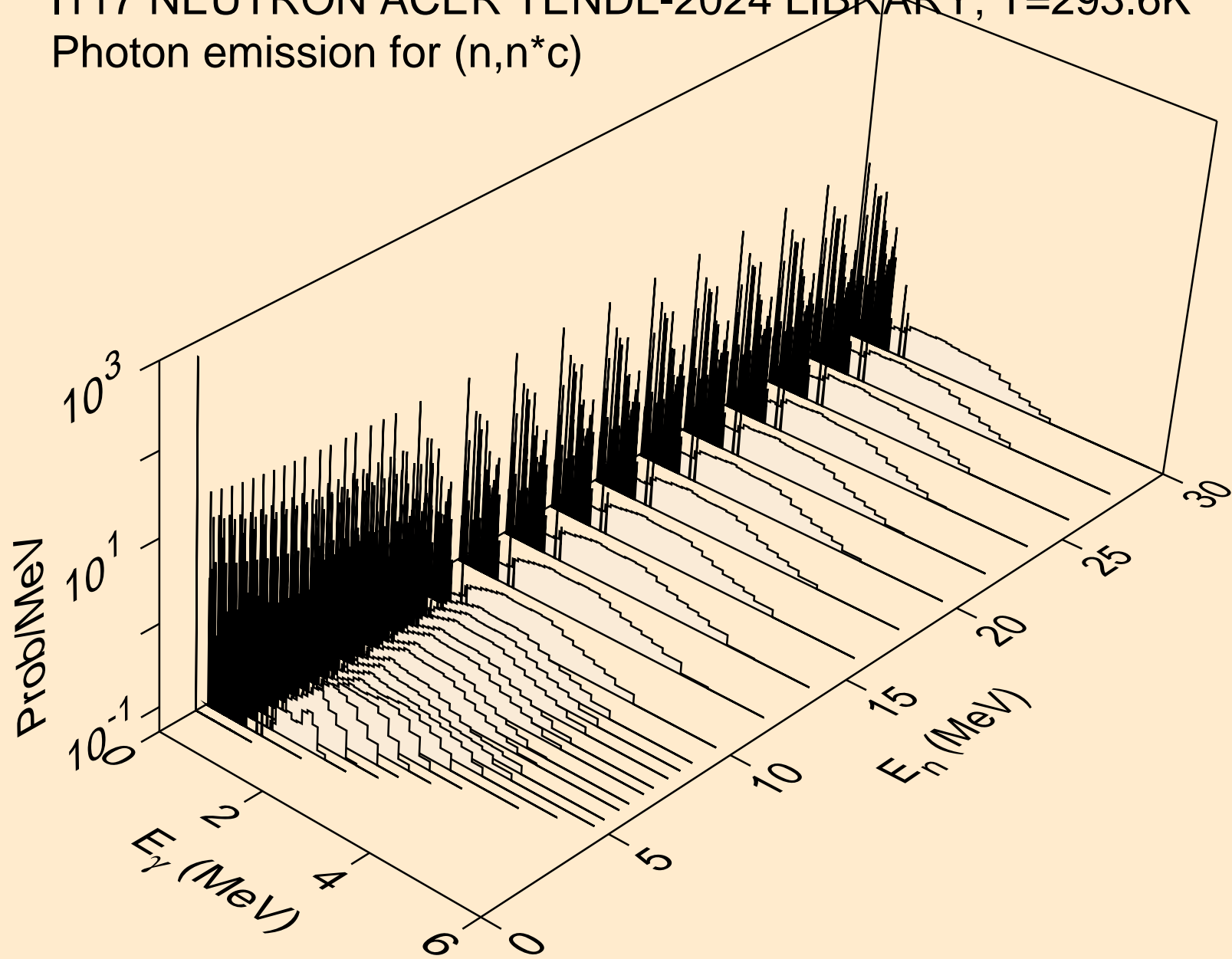
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n2p)



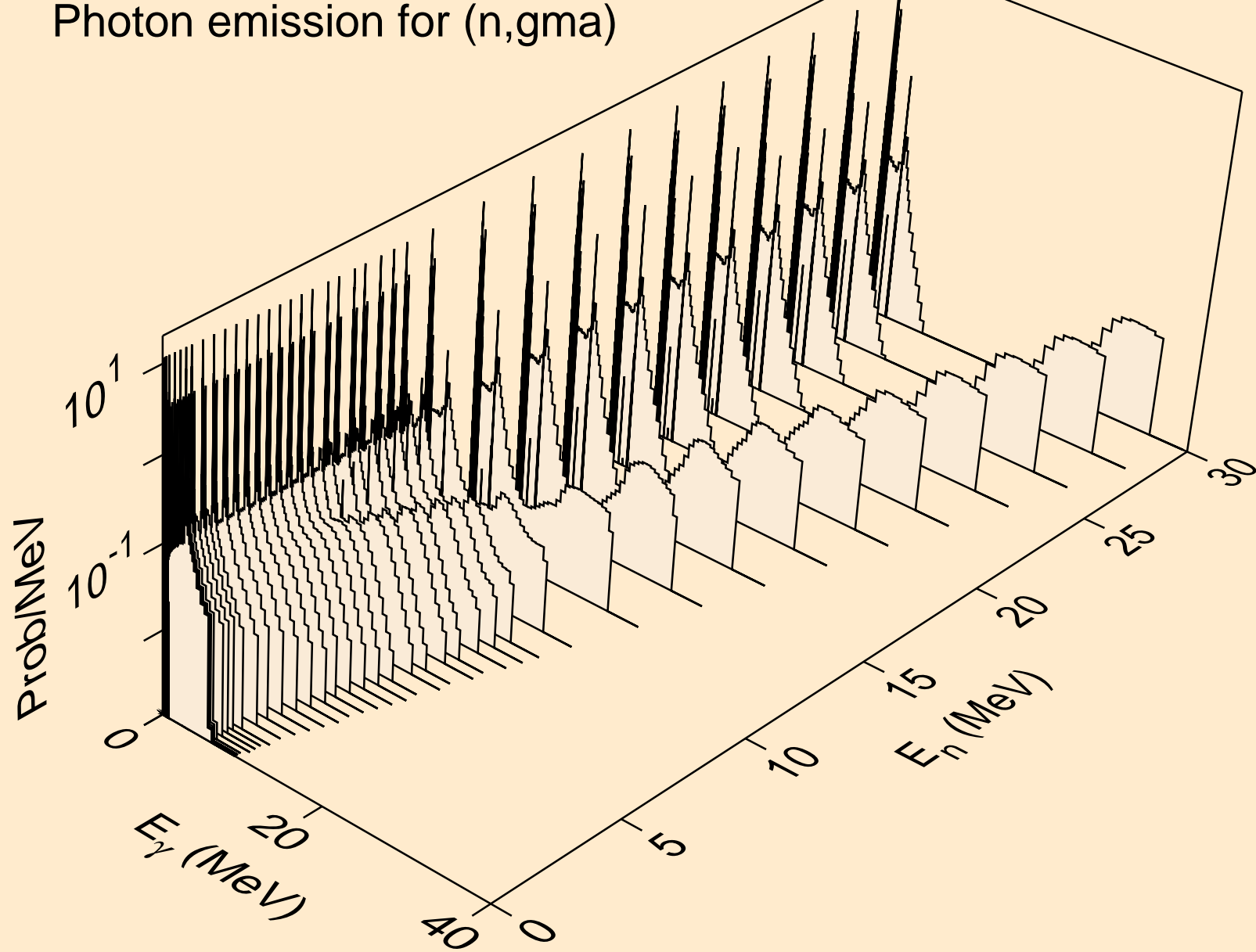
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,npa)



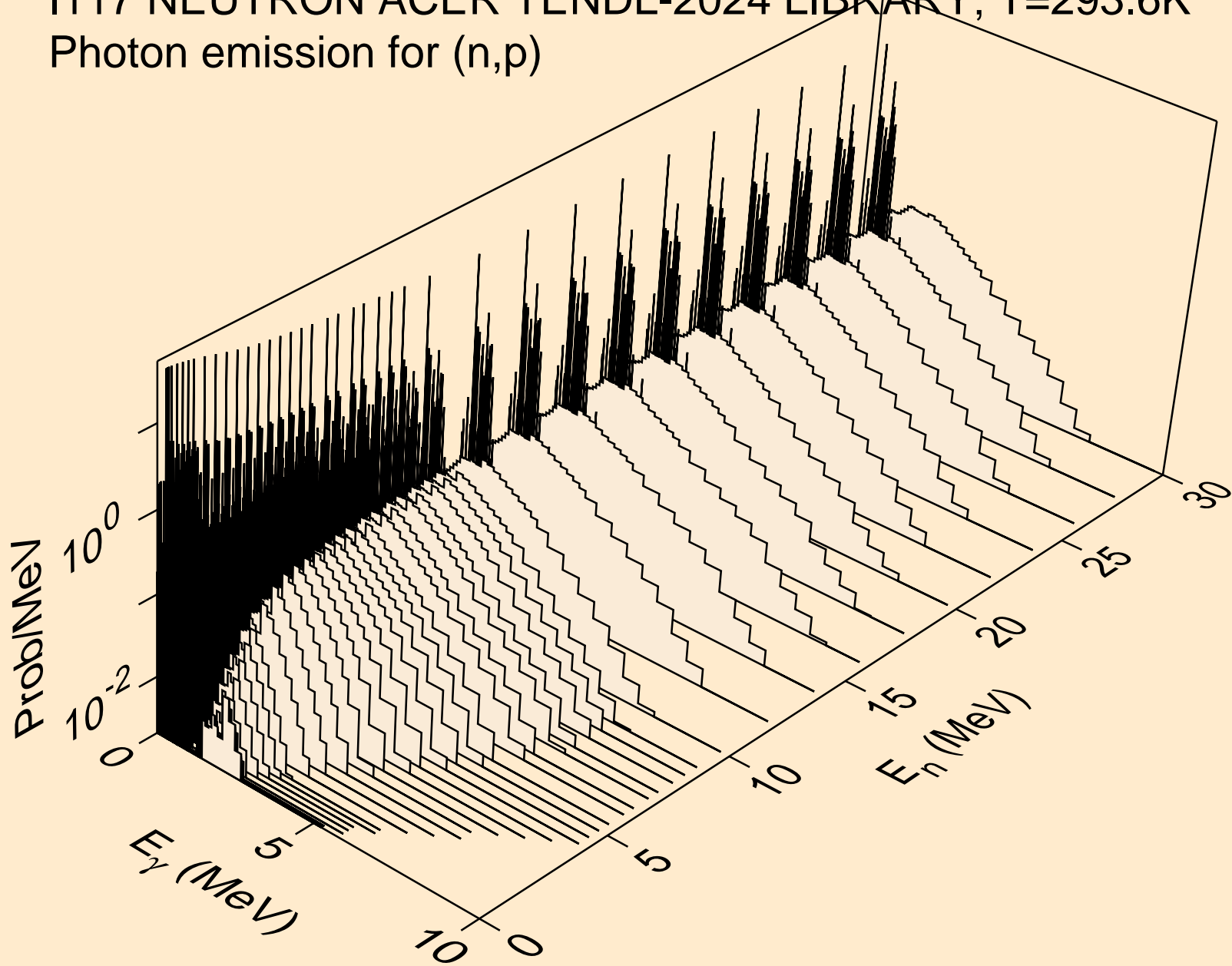
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*c)



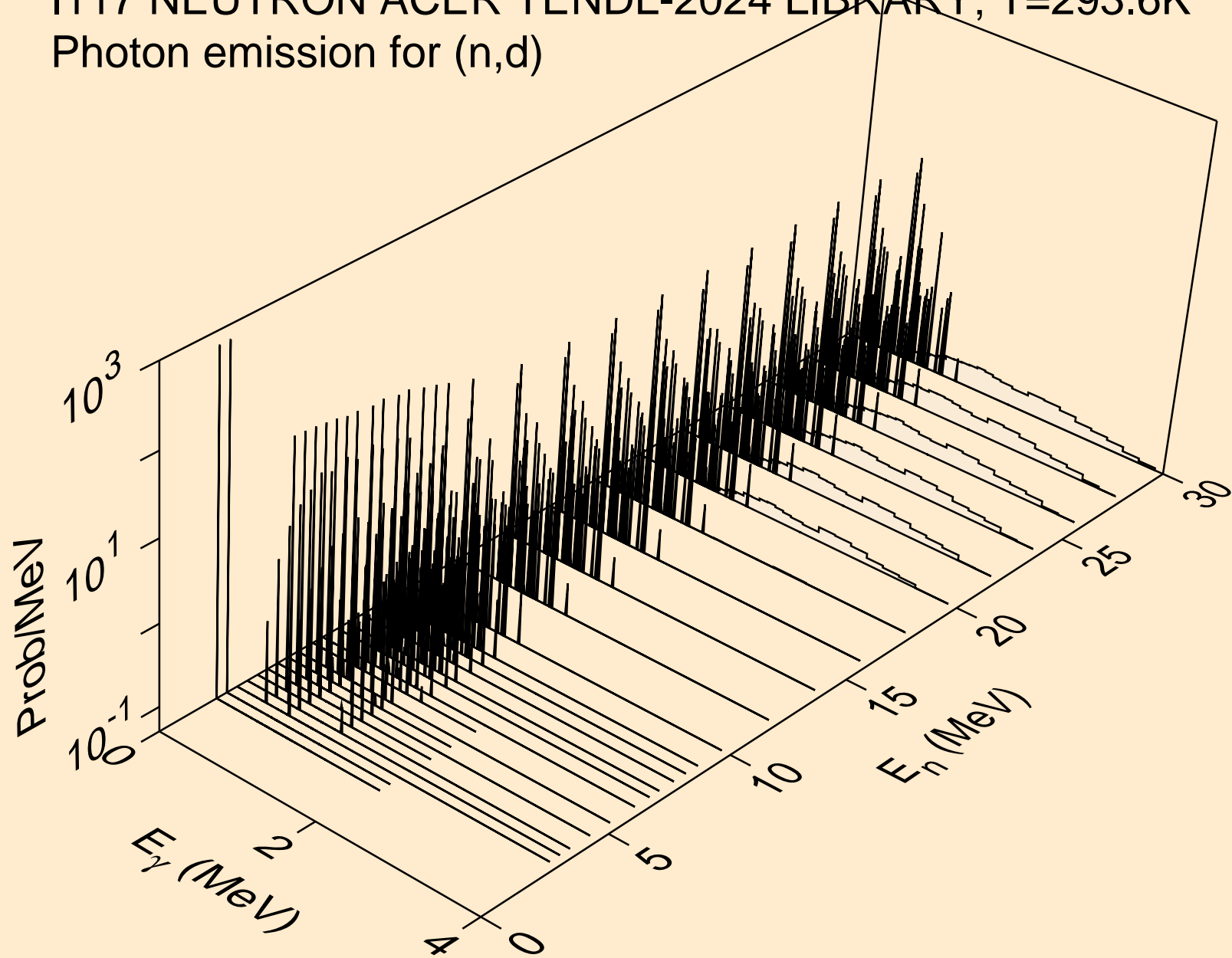
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,gma)



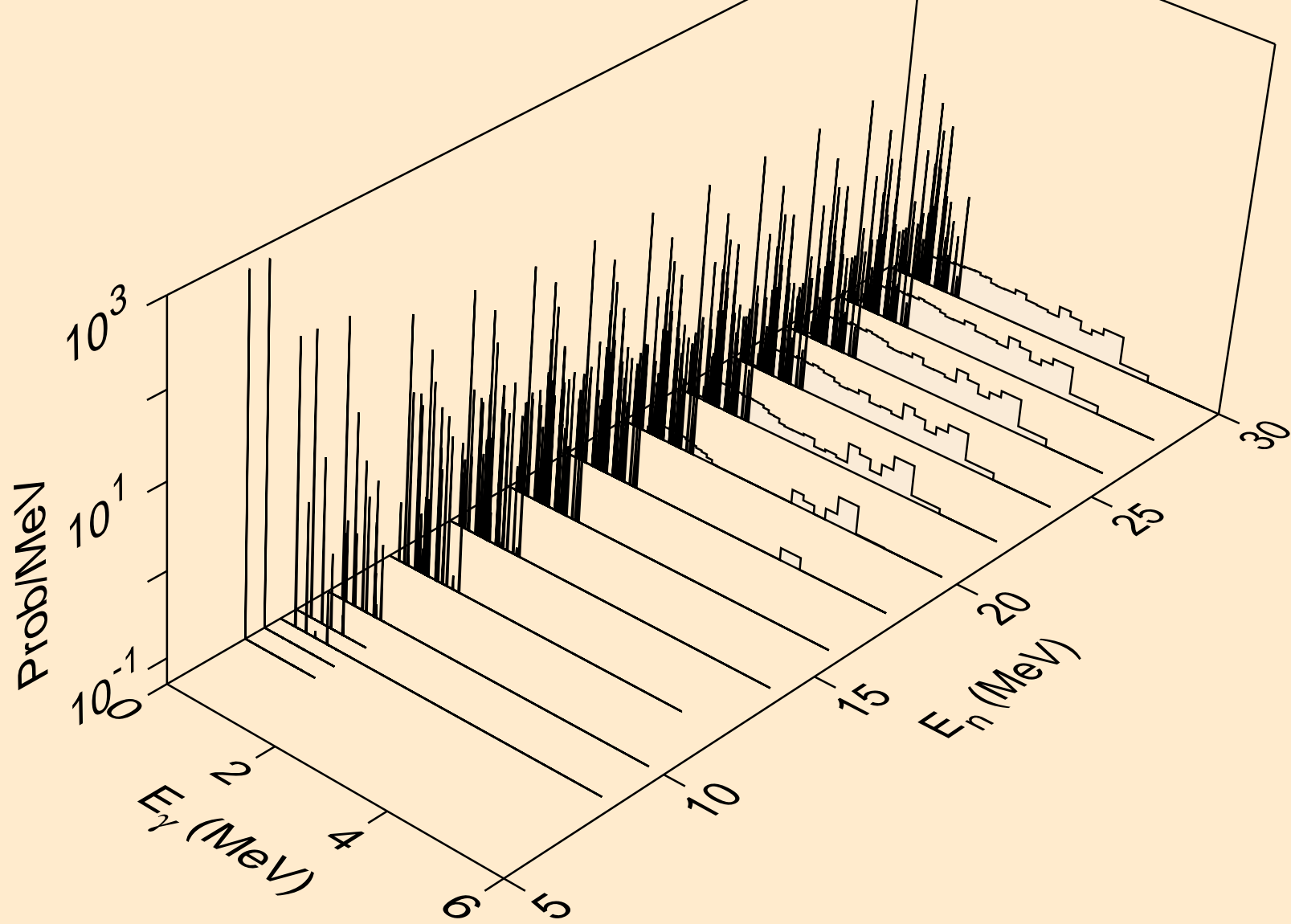
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,p)



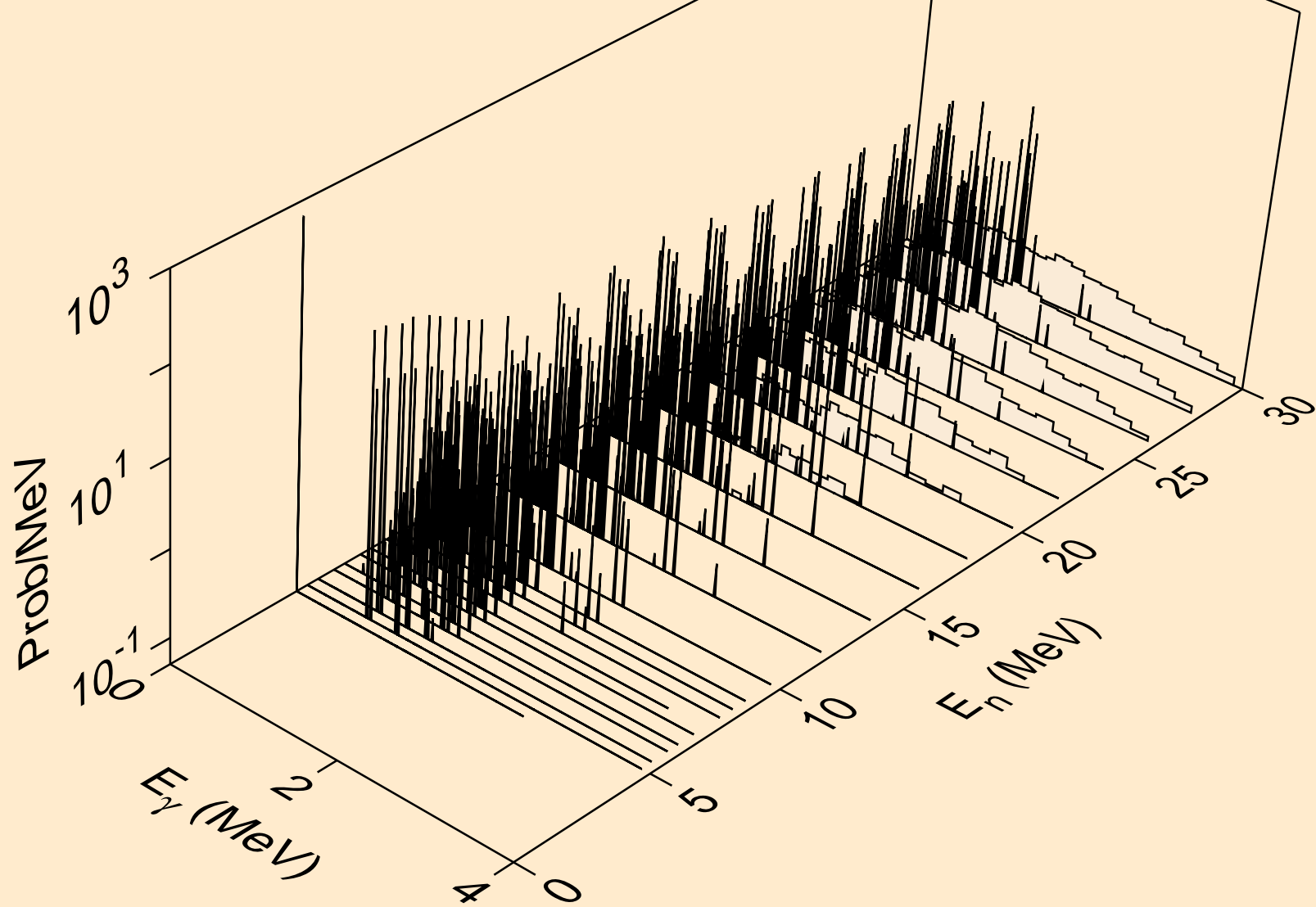
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,d)



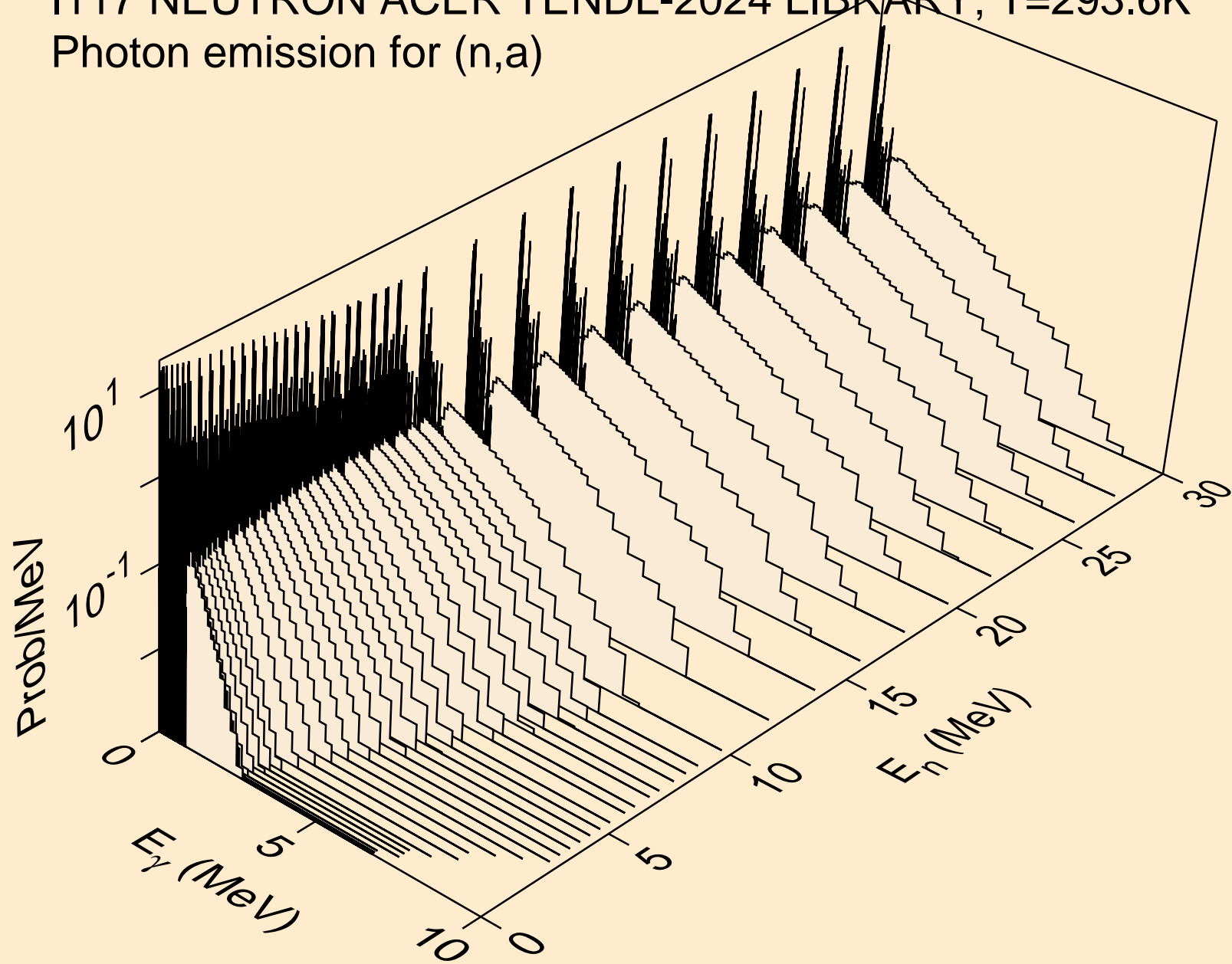
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,t)



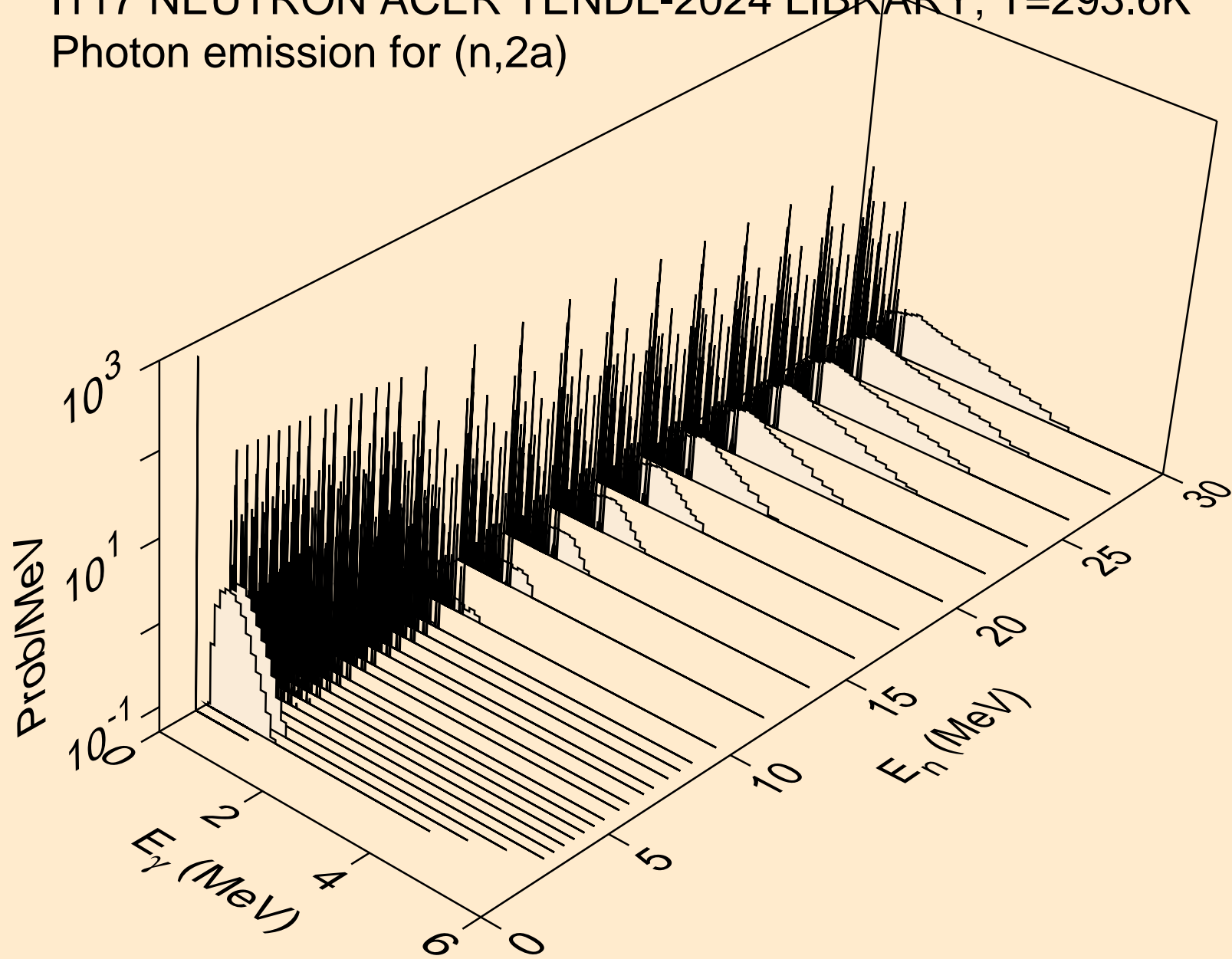
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,he3)



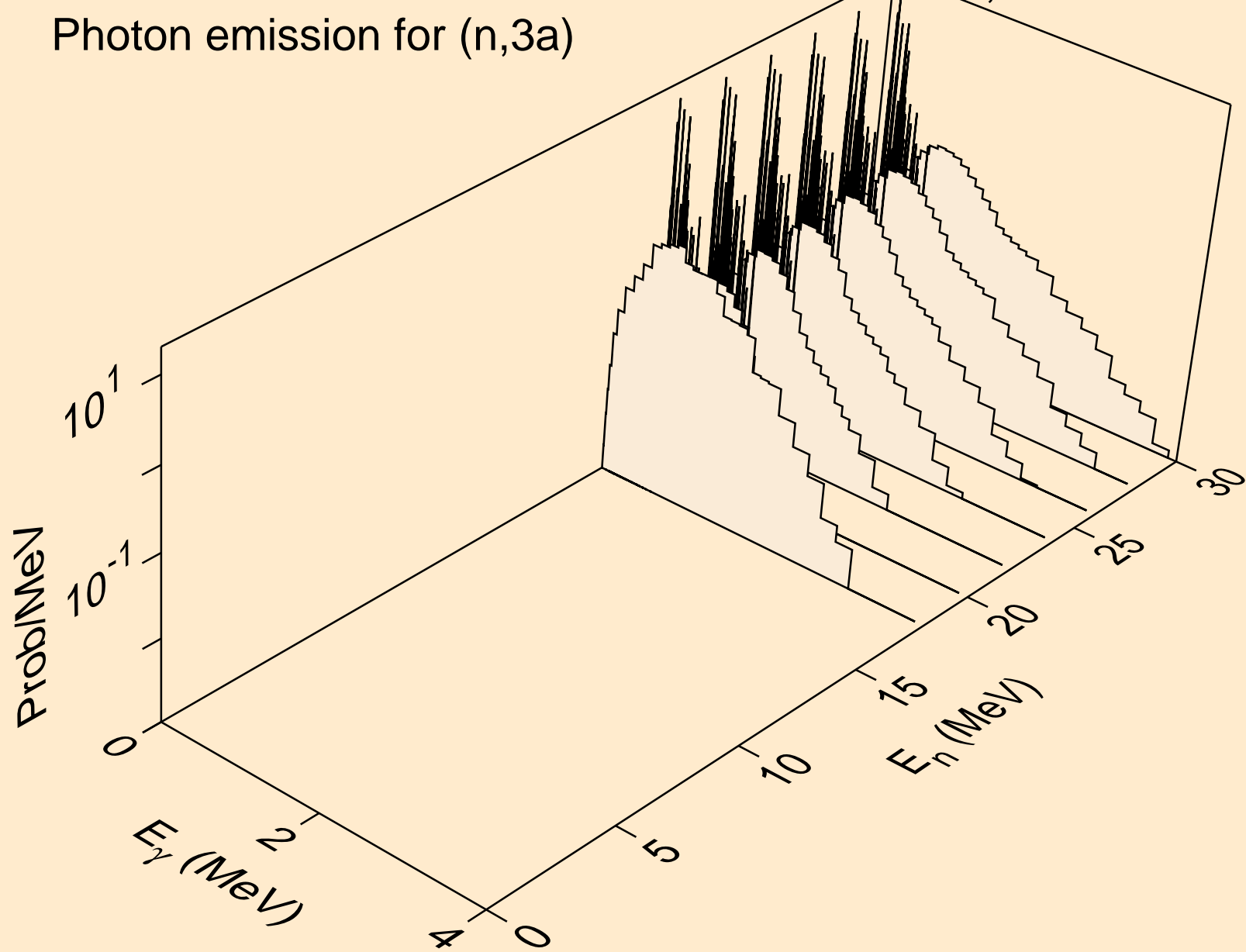
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,a)



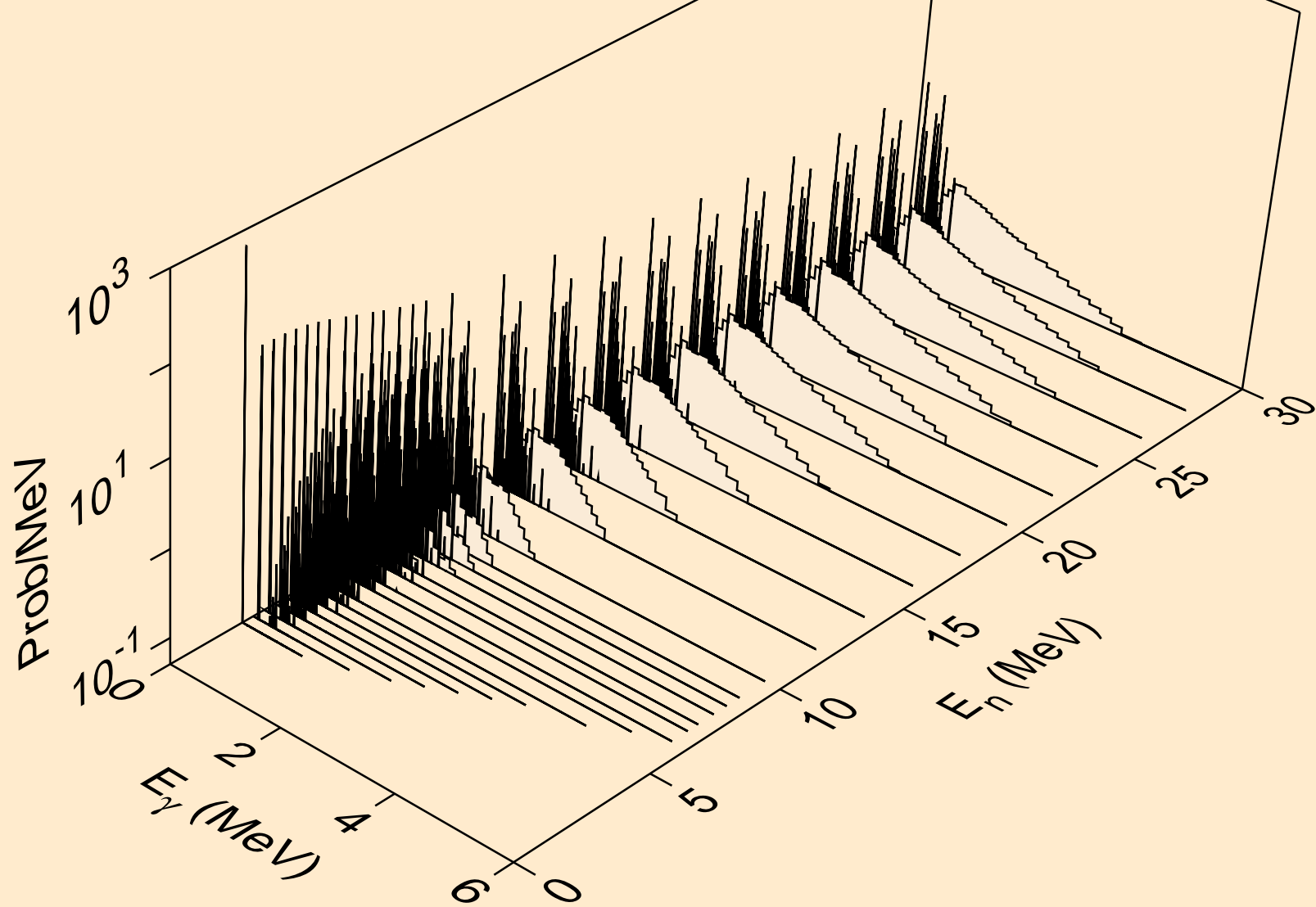
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,2a)



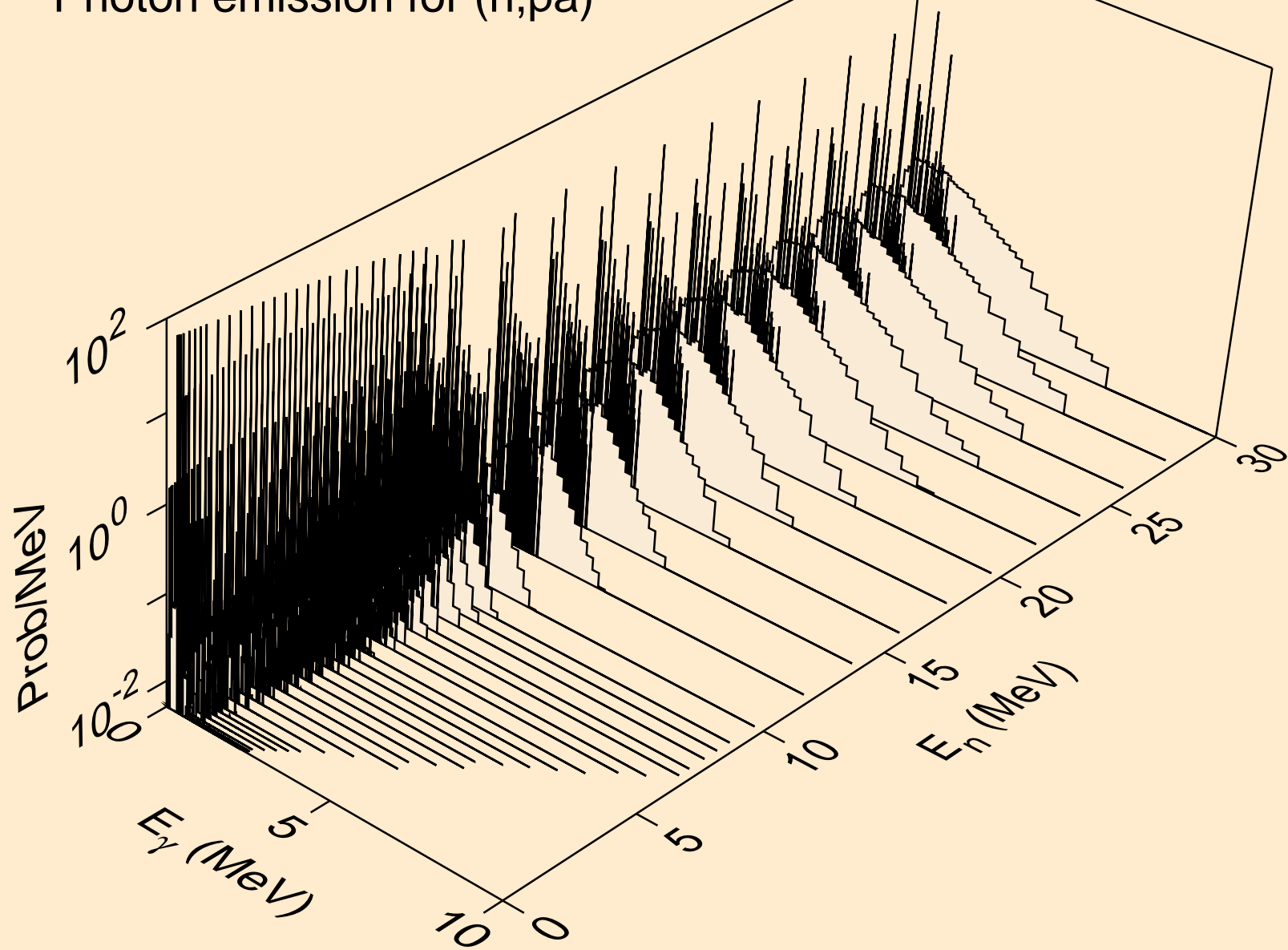
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,3a)



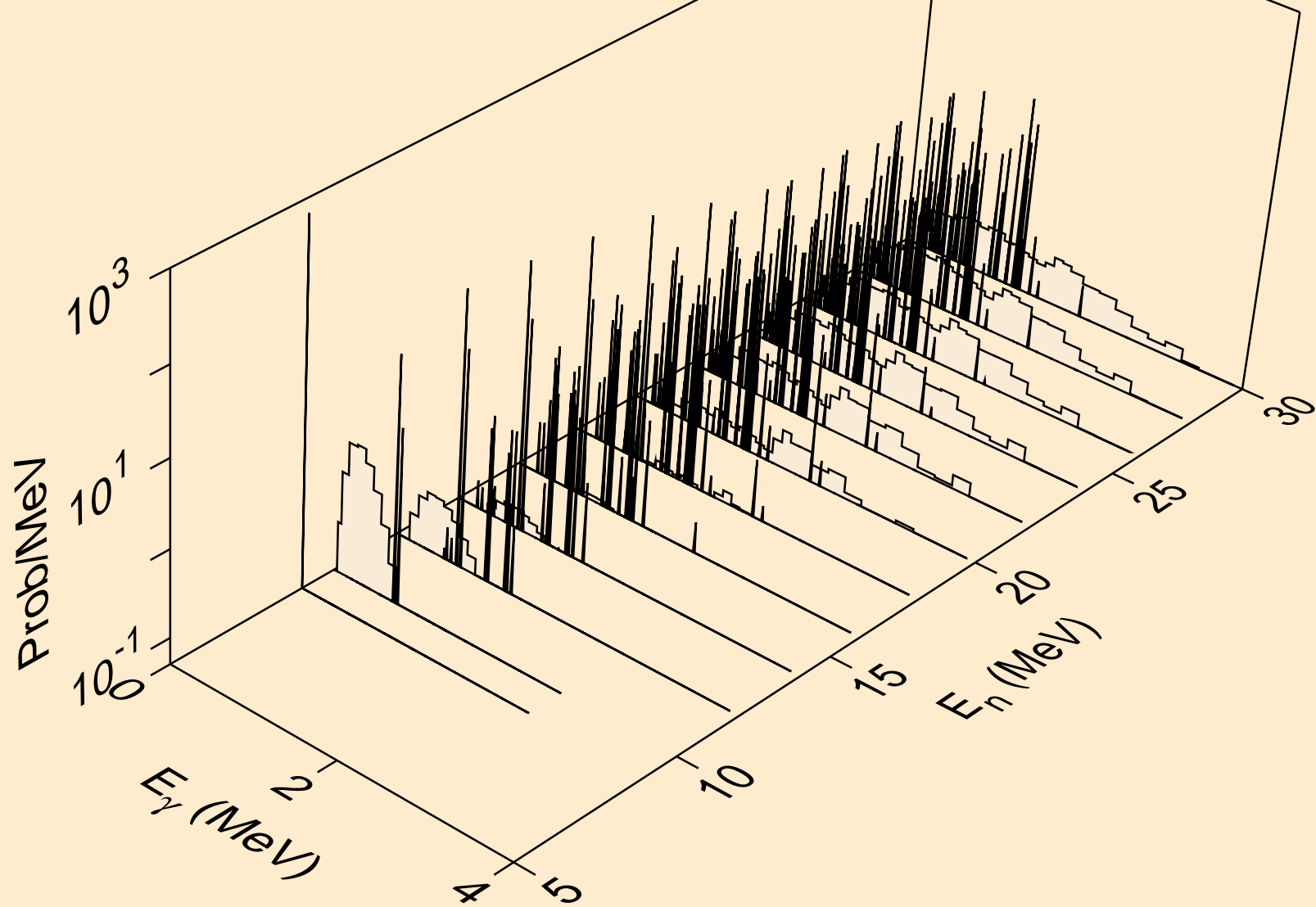
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,2p)



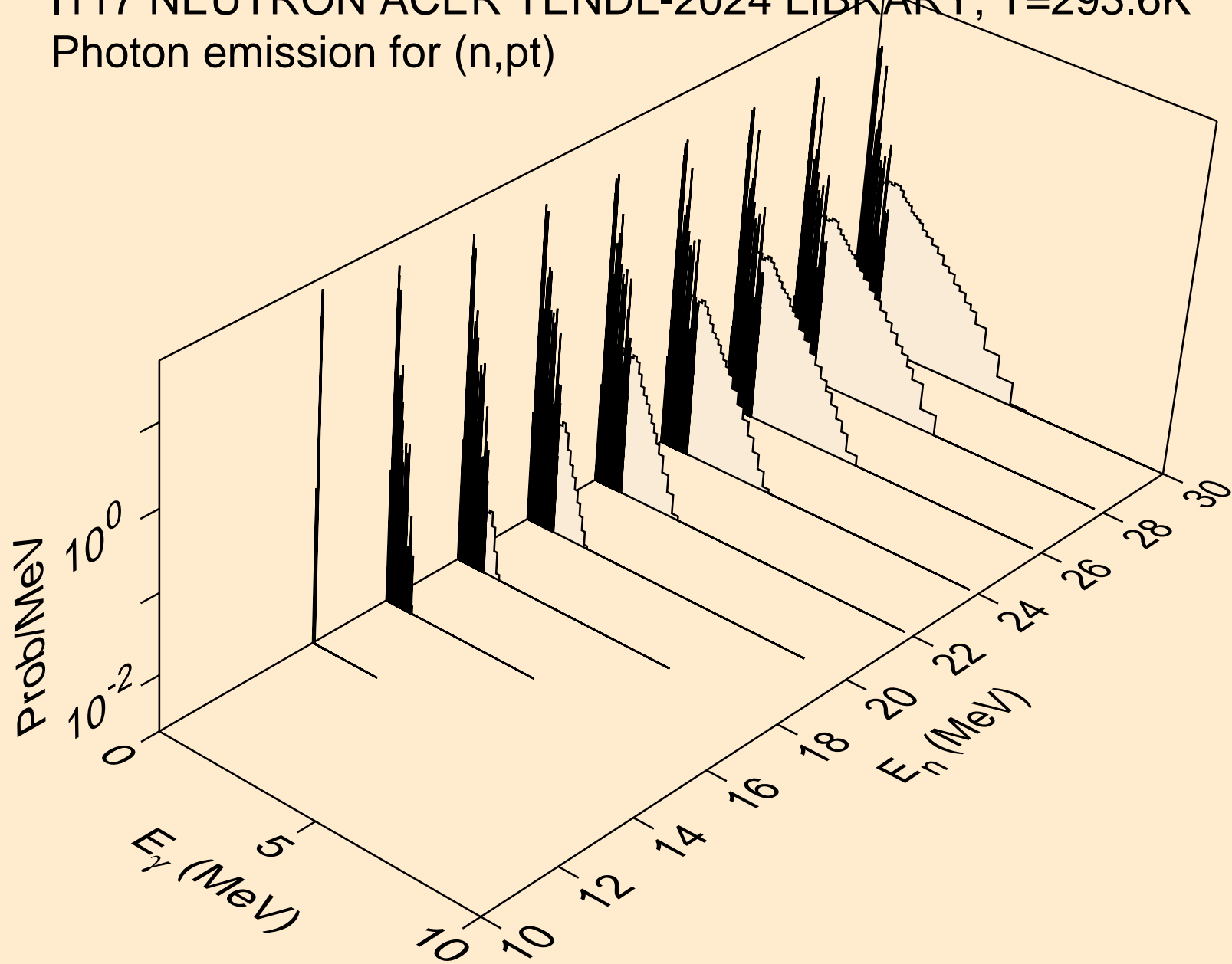
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,p $\alpha$ )



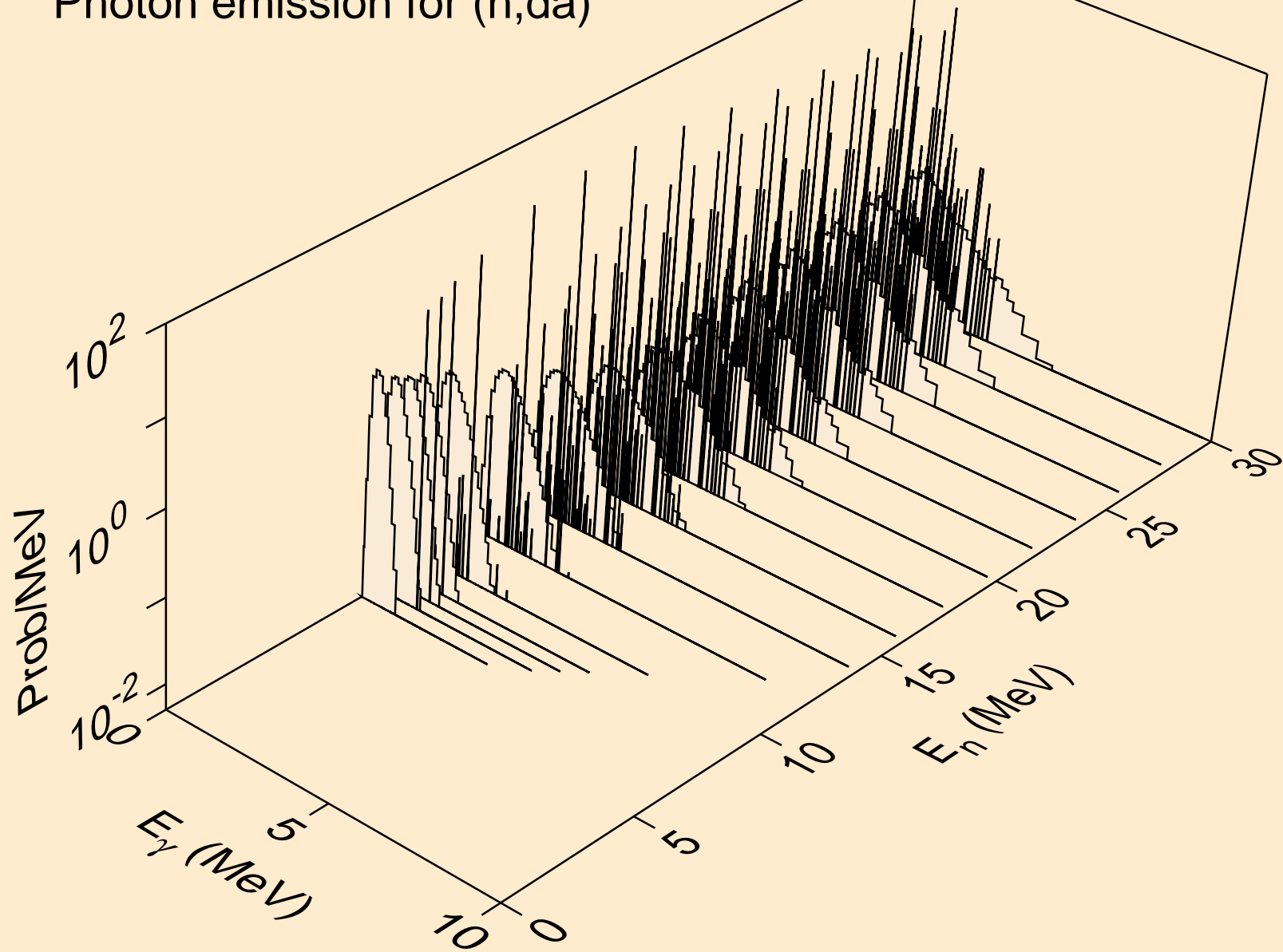
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,pd)



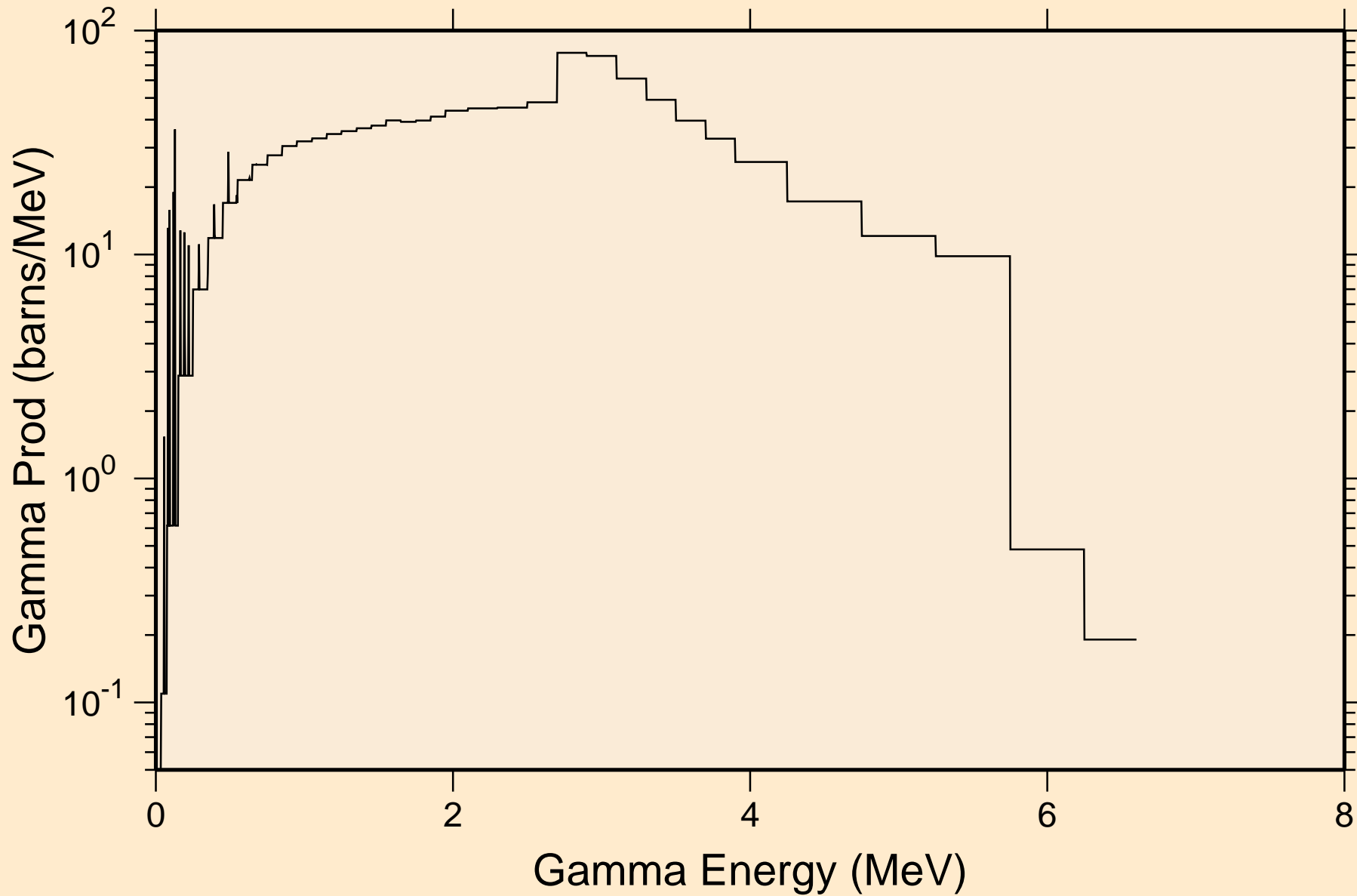
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,pt)



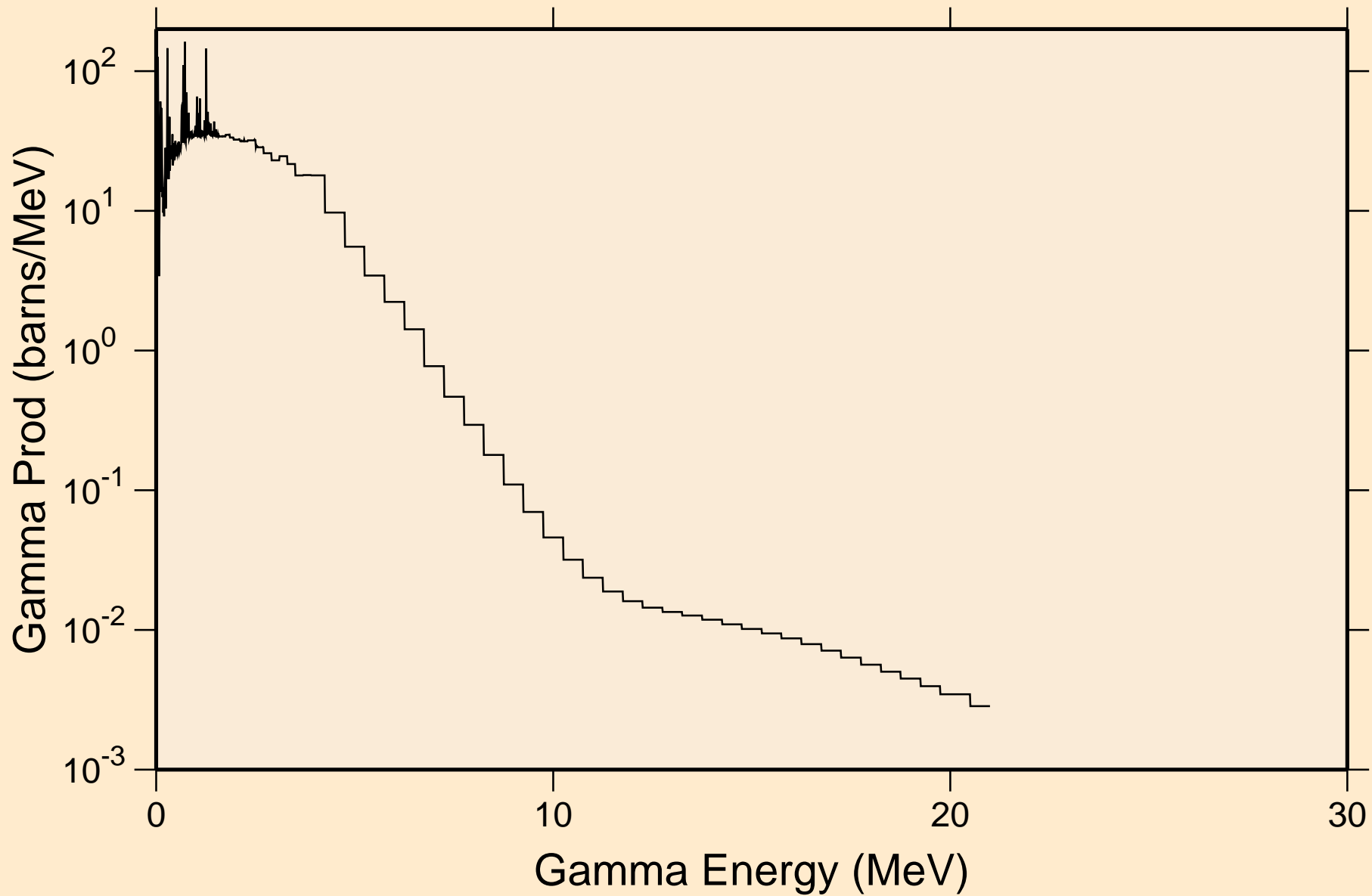
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,da)



I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
thermal capture photon spectrum

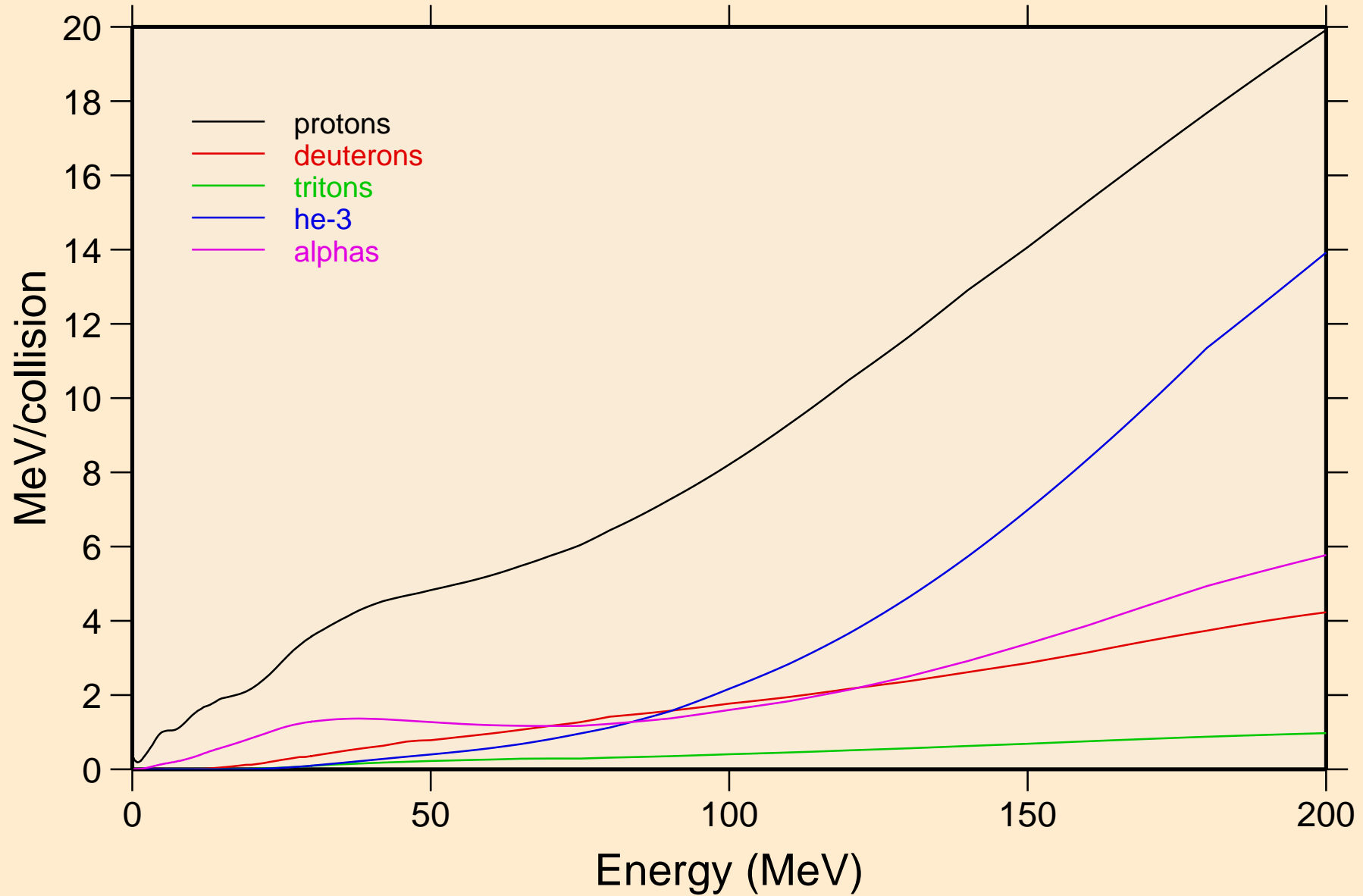


I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
14 MeV photon spectrum



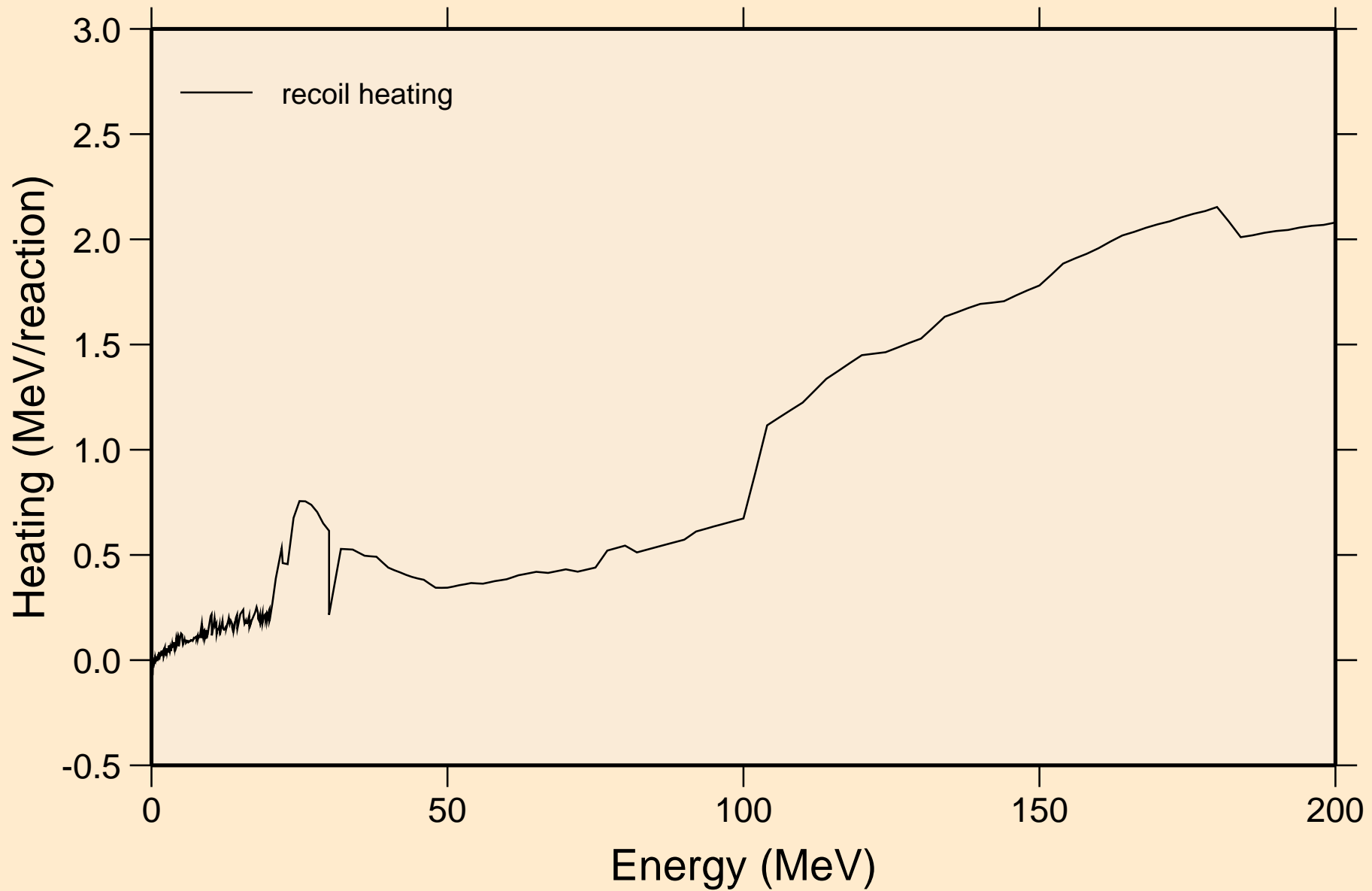
# I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

## Particle heating contributions

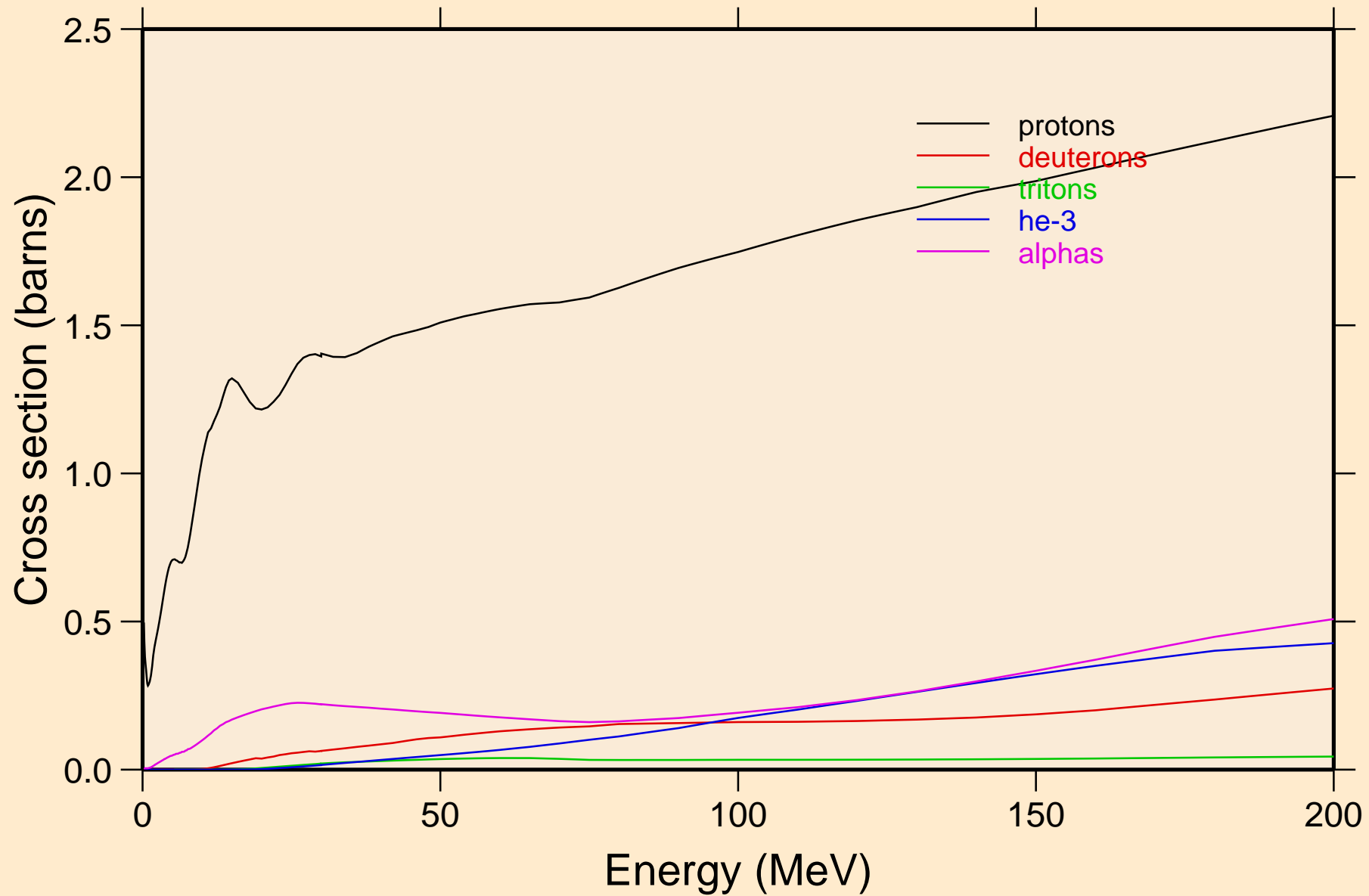


# I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

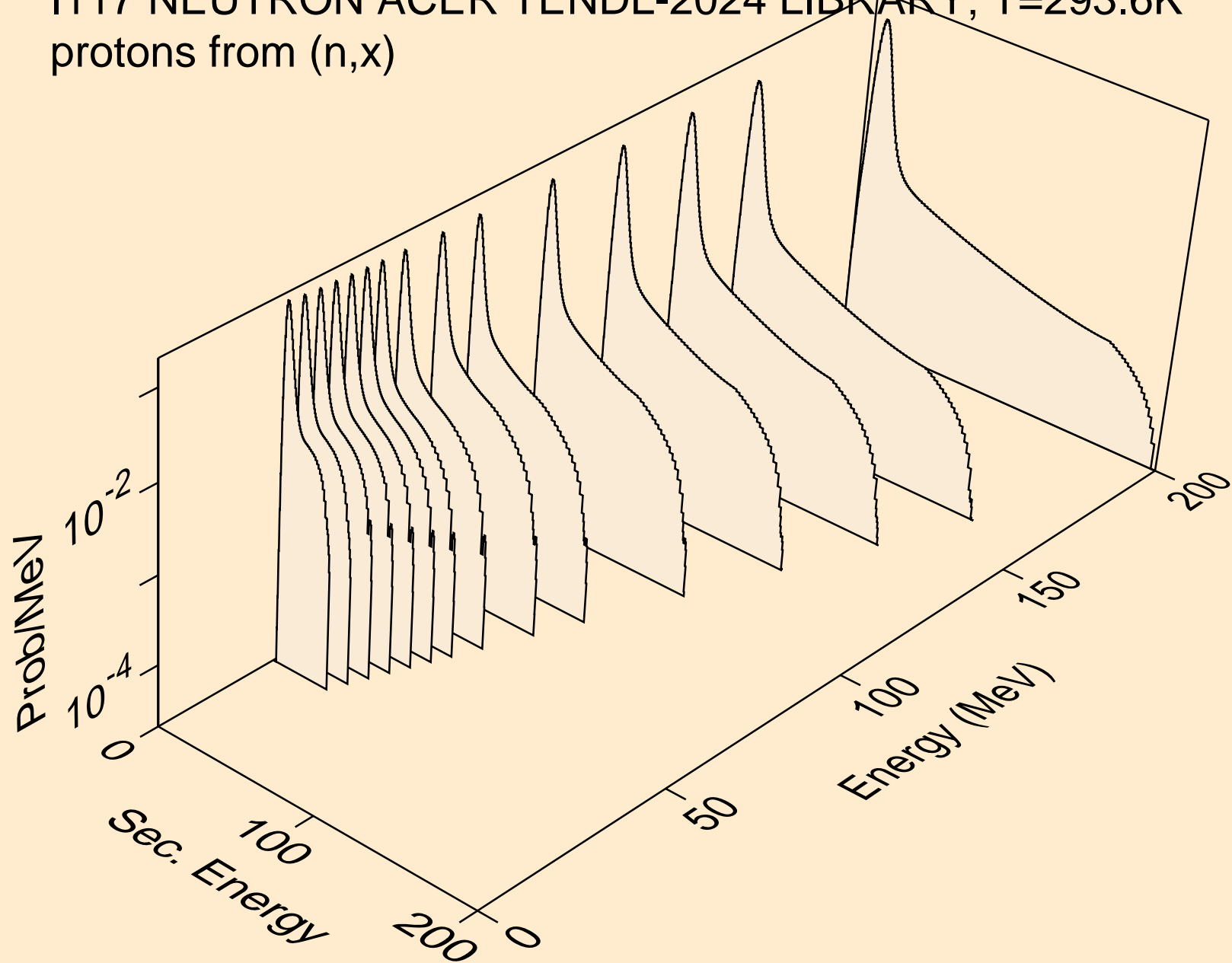
## Recoil Heating



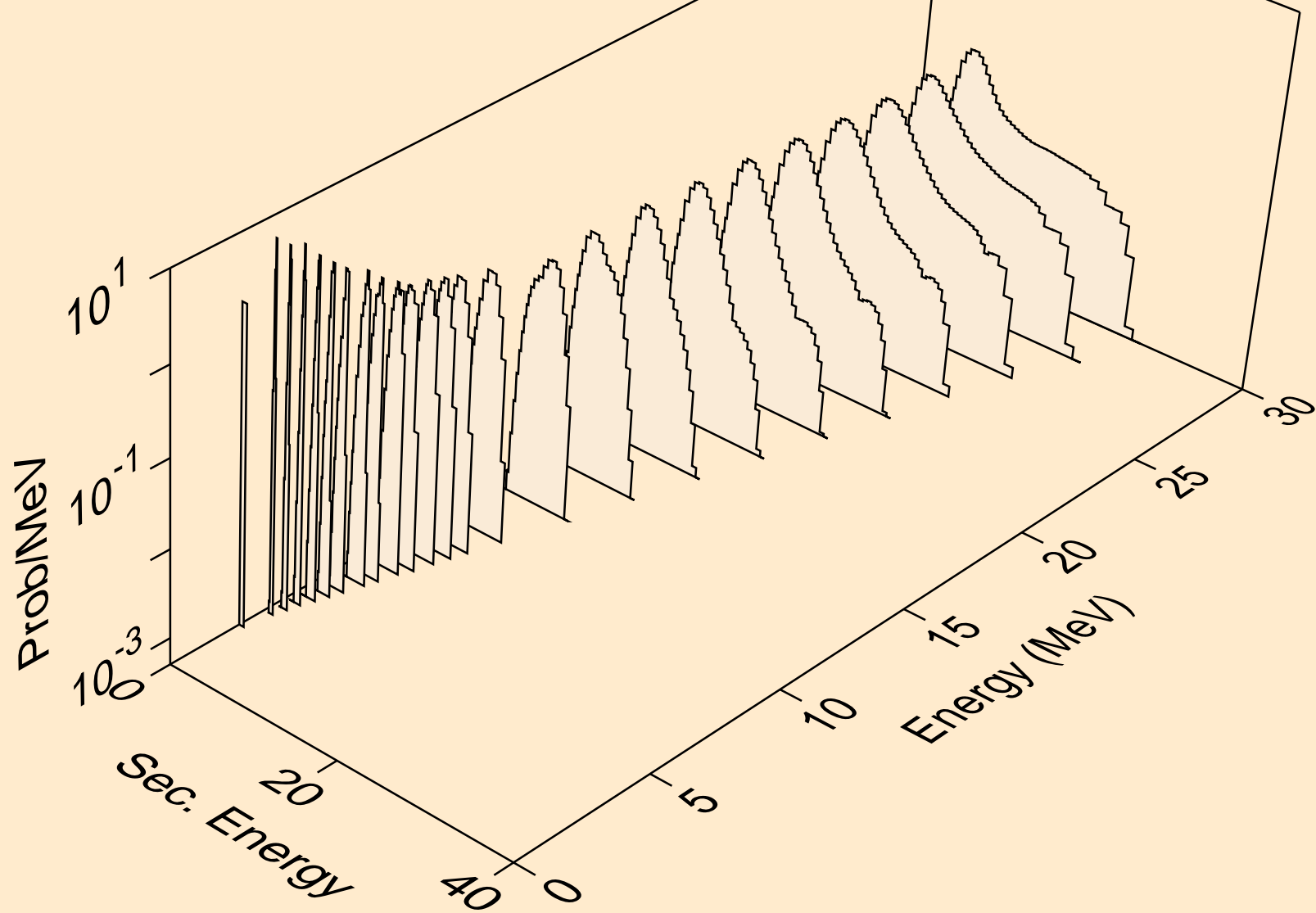
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Particle production cross sections



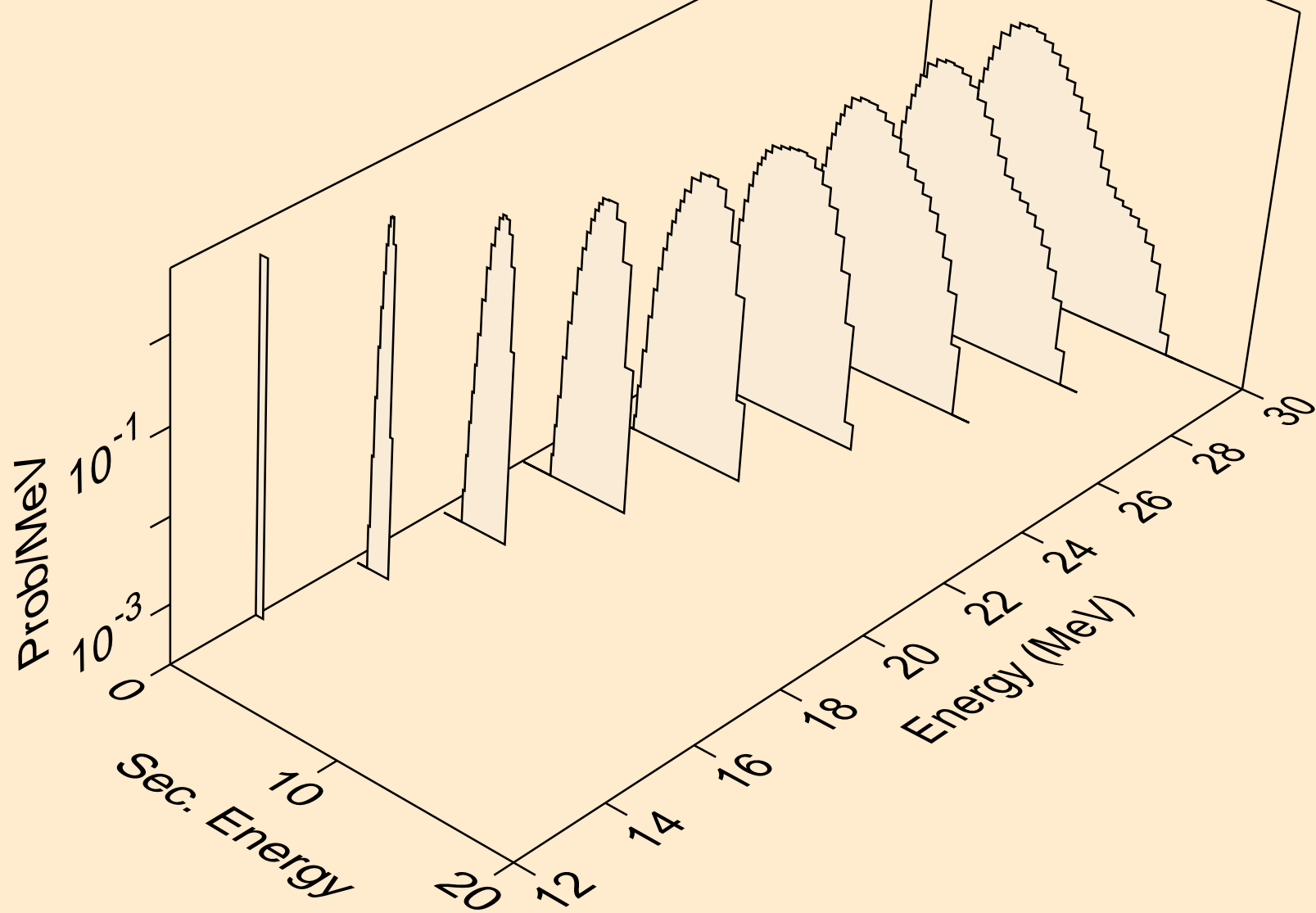
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
protons from (n,x)



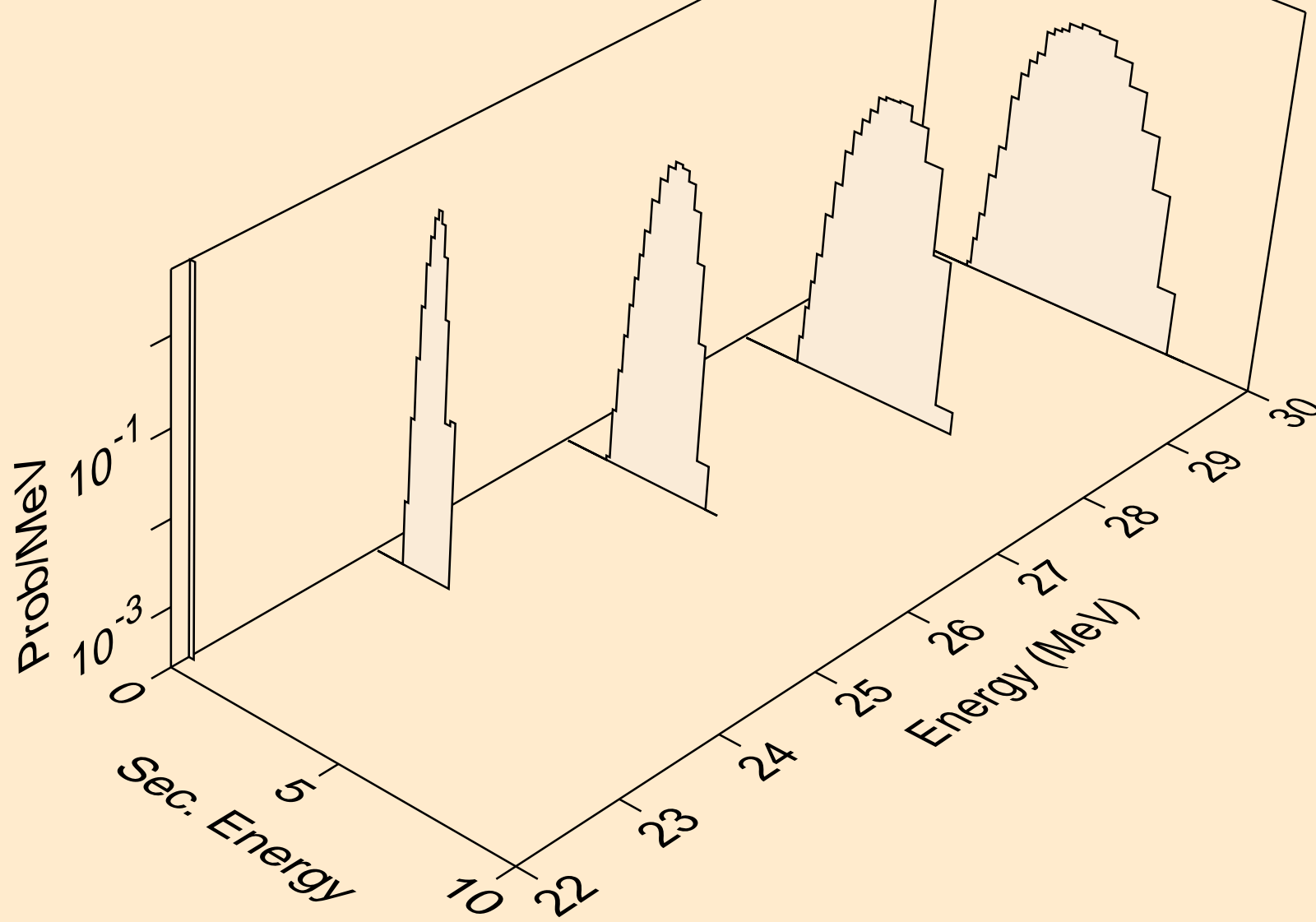
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
protons from (n,n\*)p



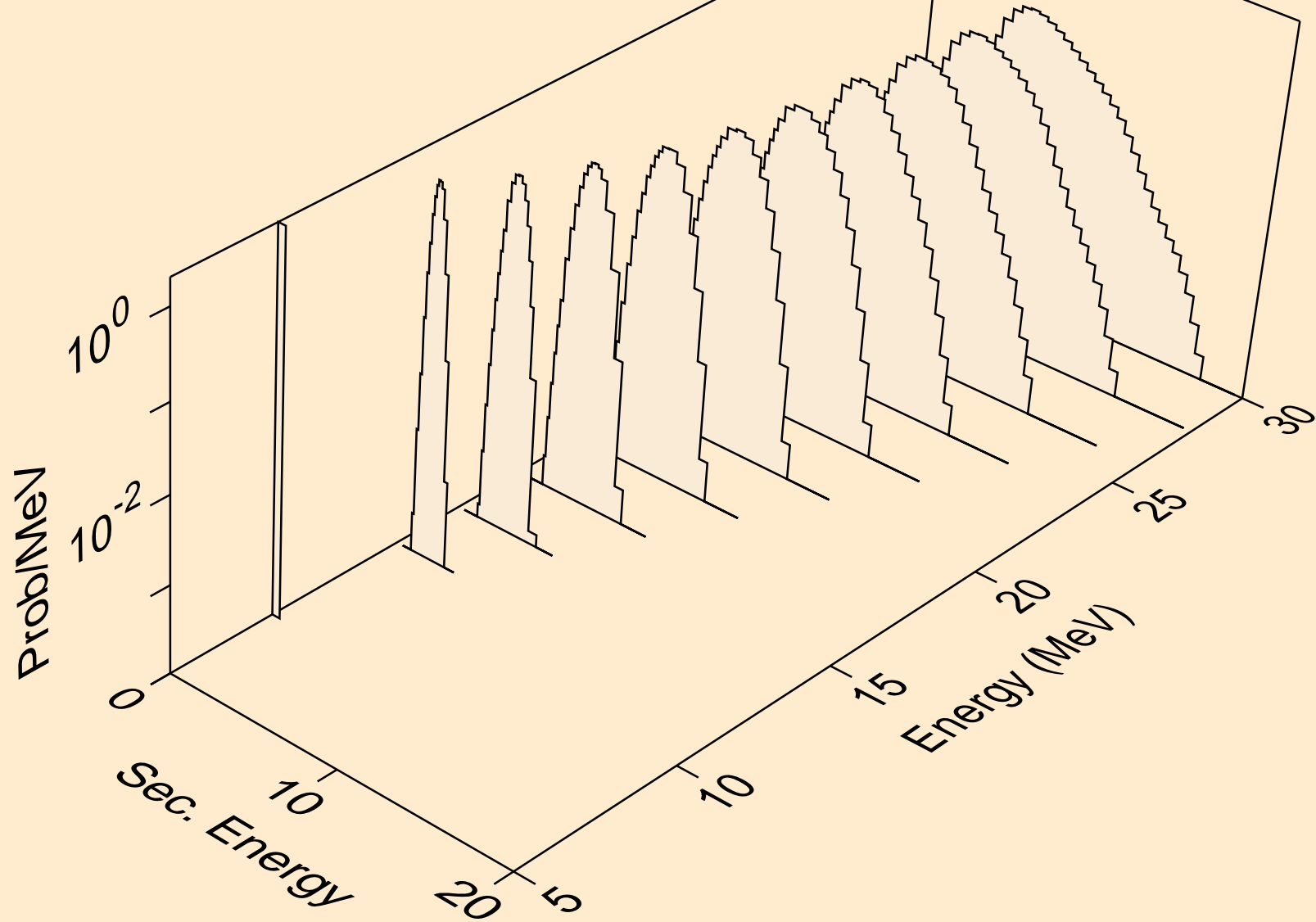
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
protons from (n,2np)



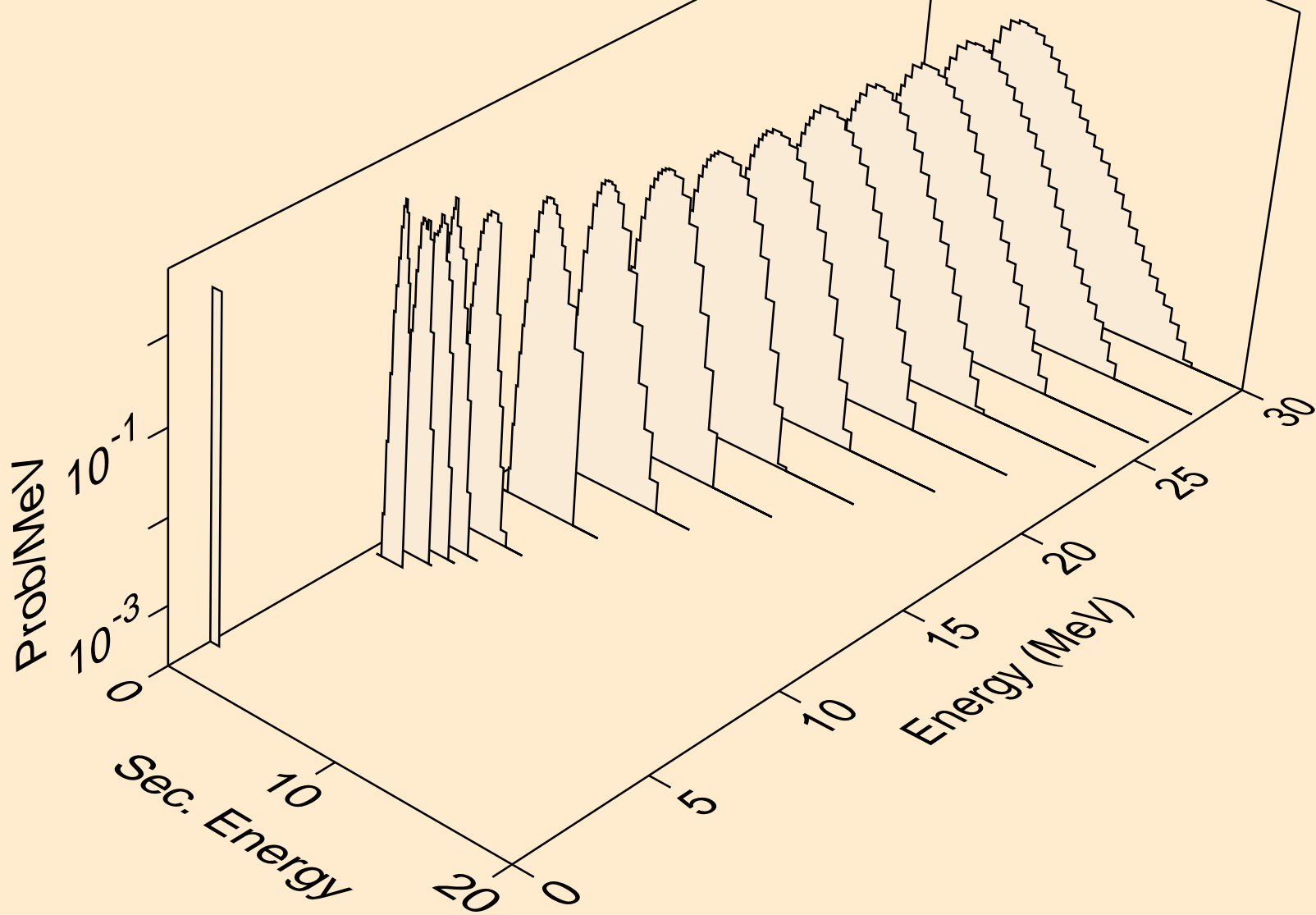
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
protons from (n,3np)



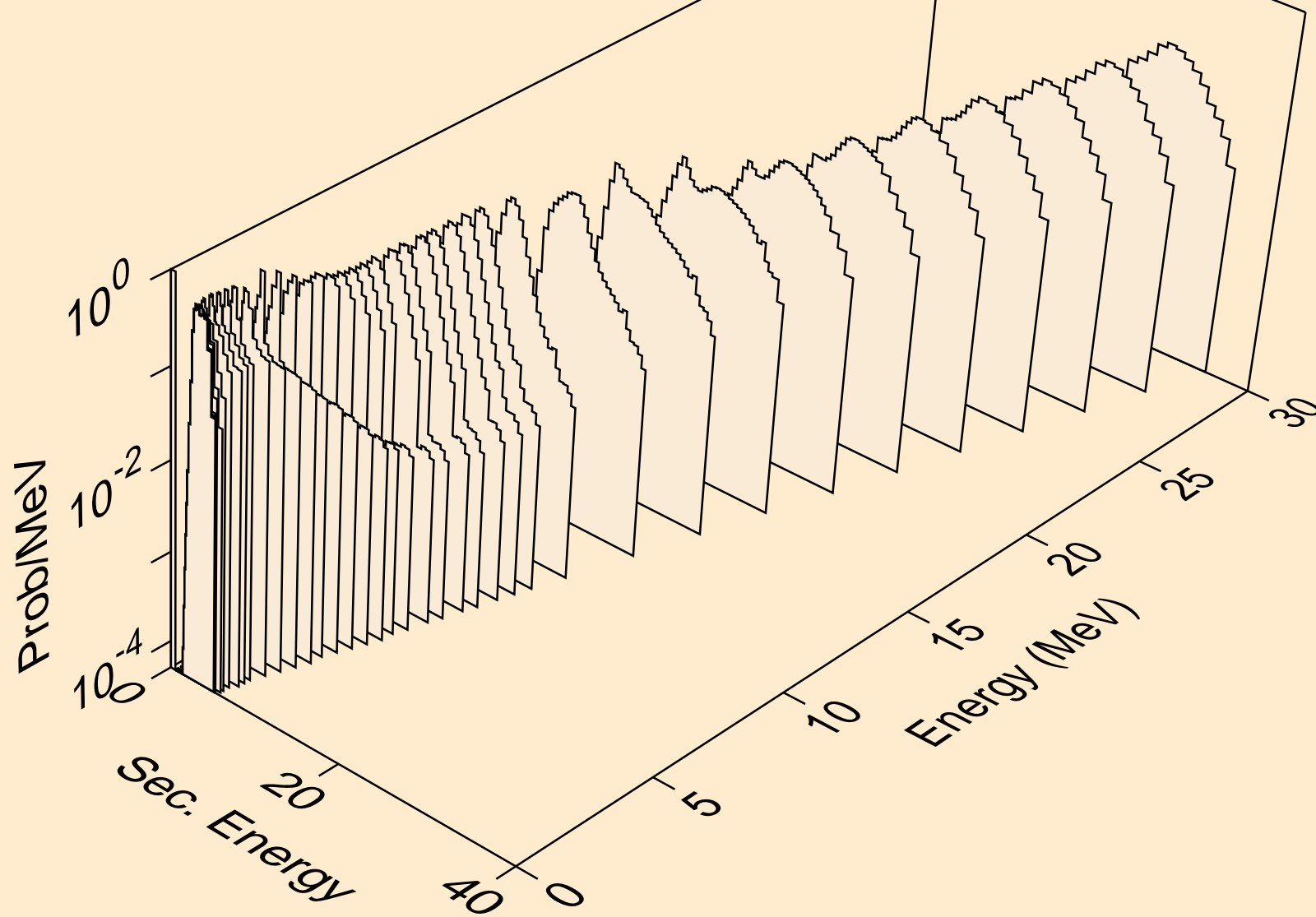
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
protons from (n,n2p)



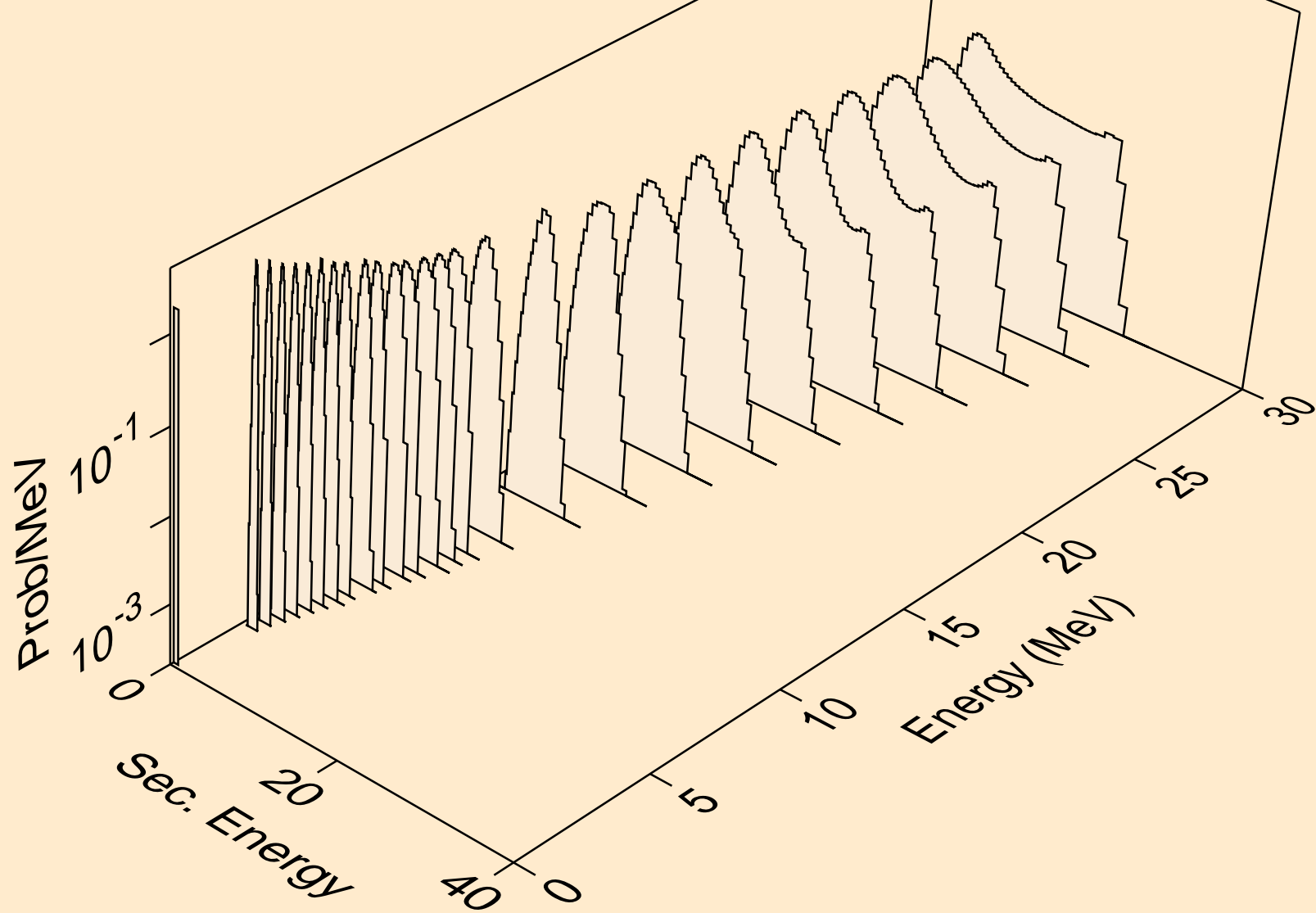
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
protons from (n,npa)



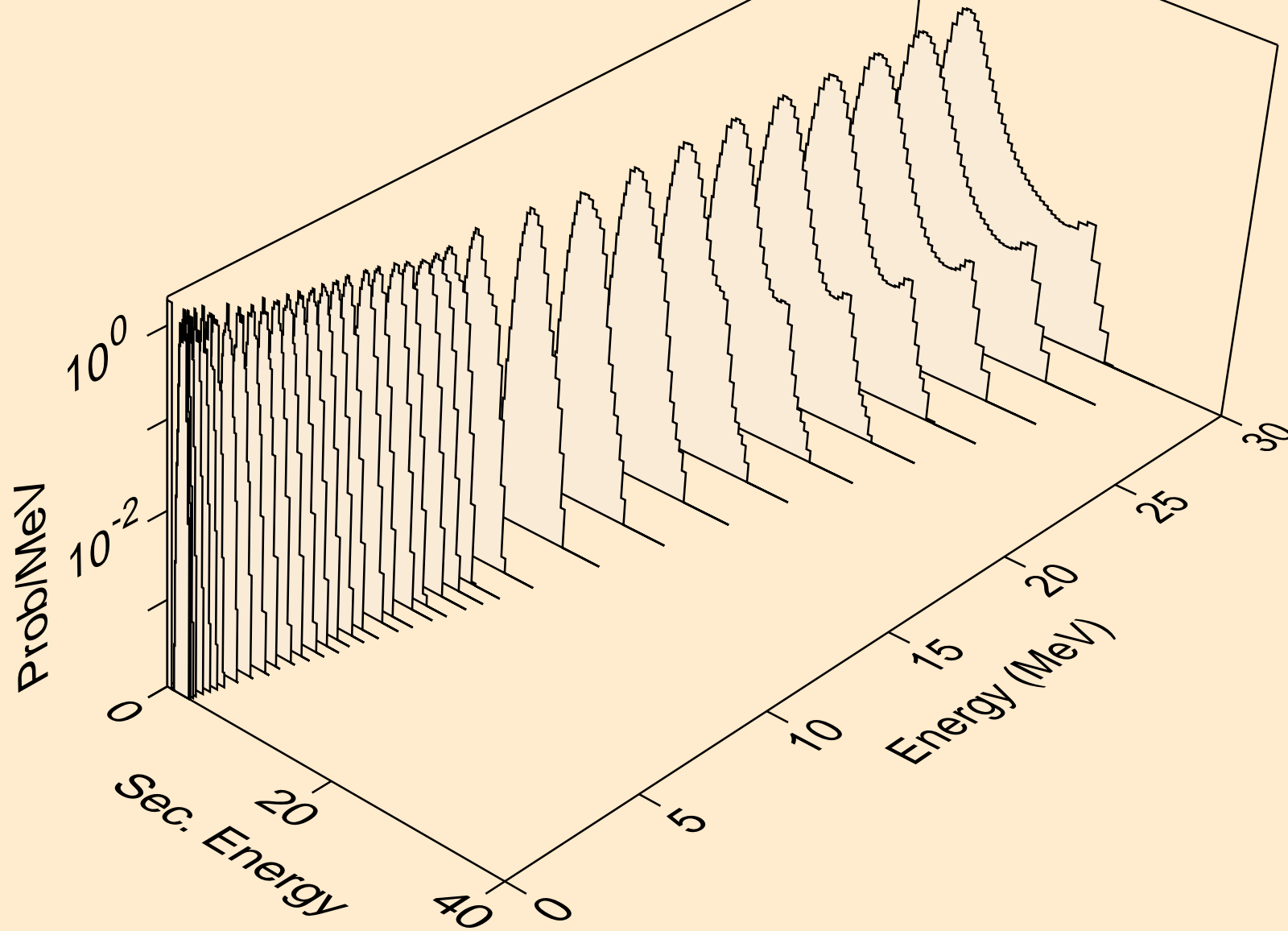
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
protons from (n,p)



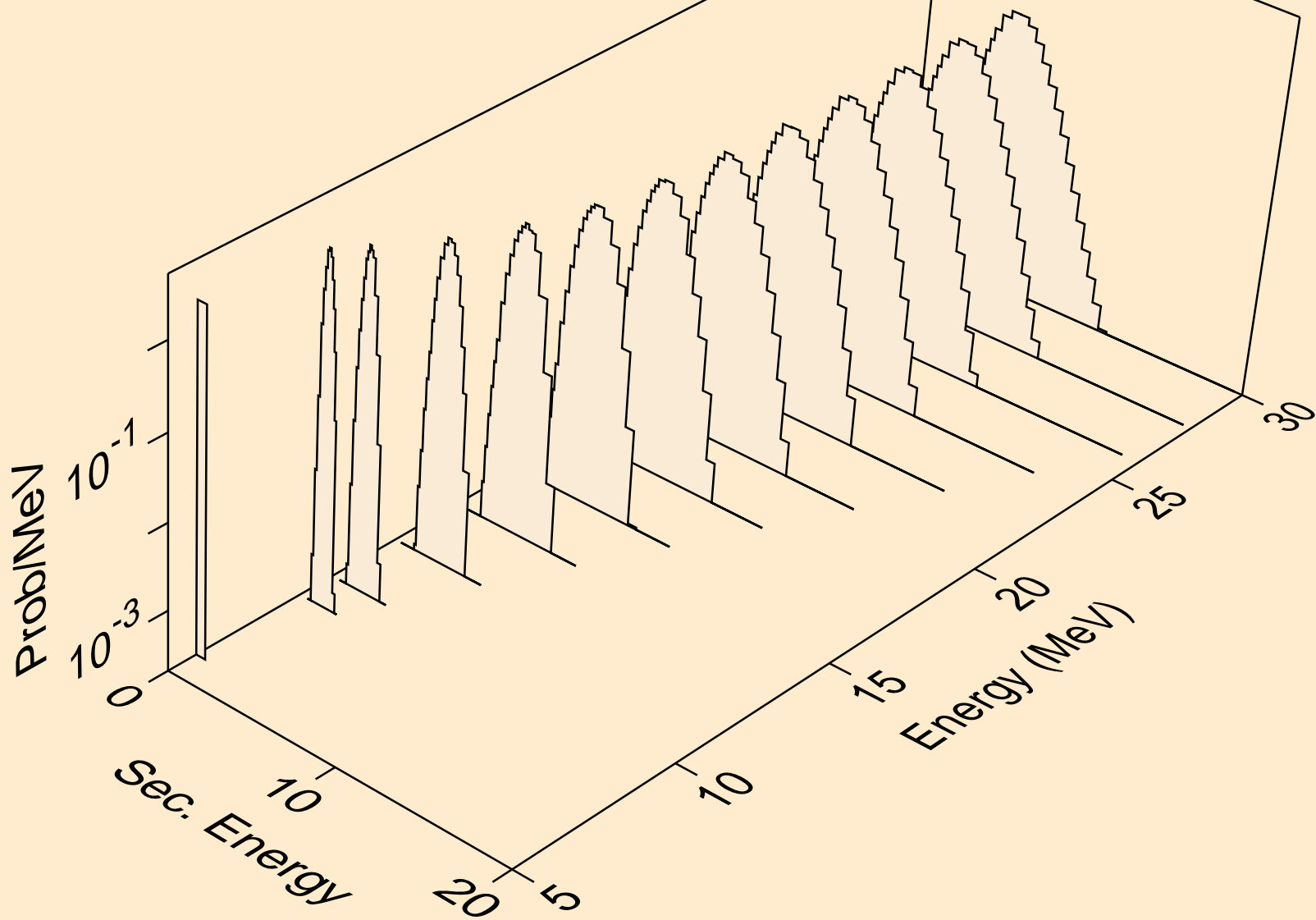
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
protons from (n,2p)



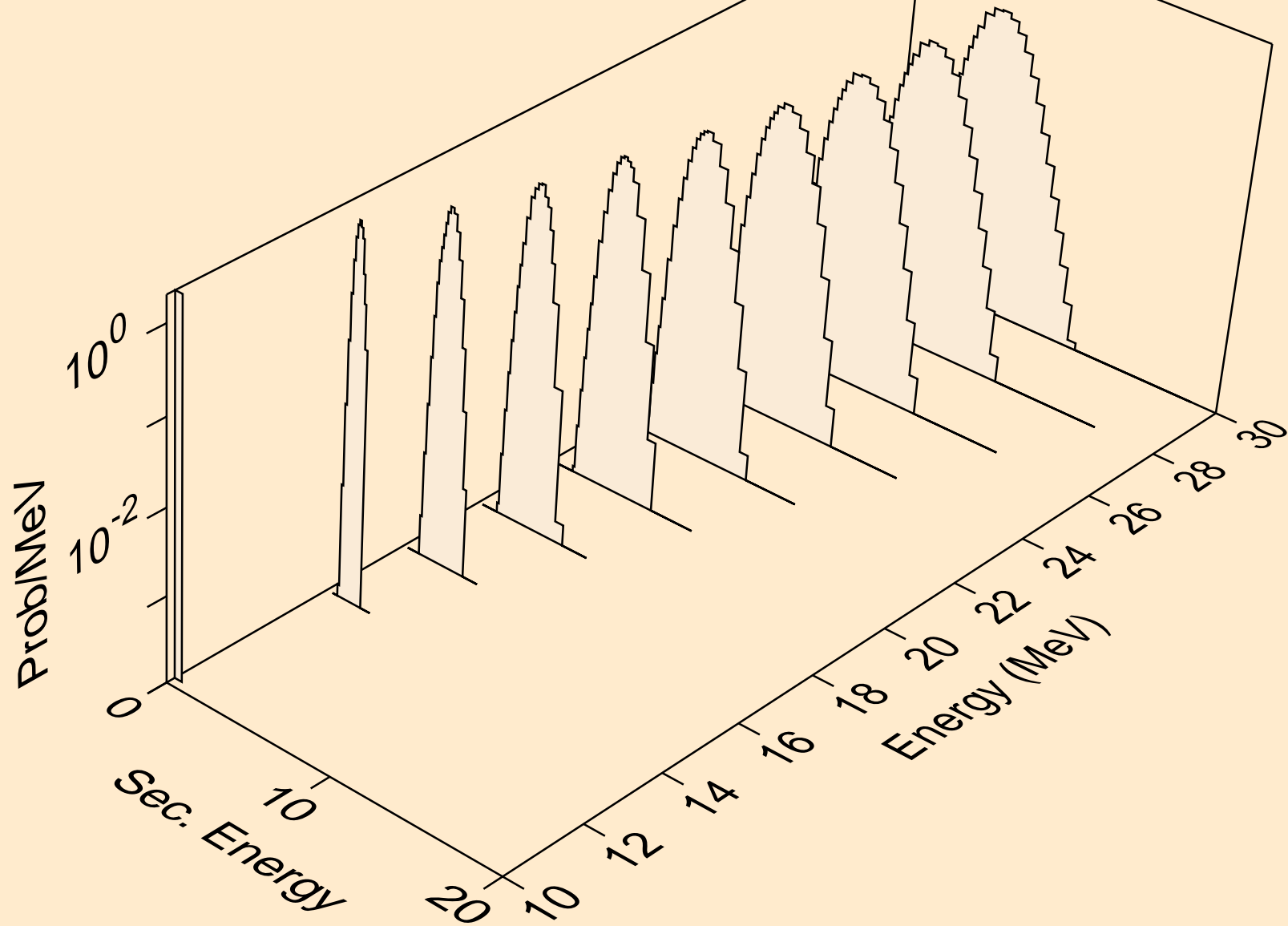
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
protons from (n,p)



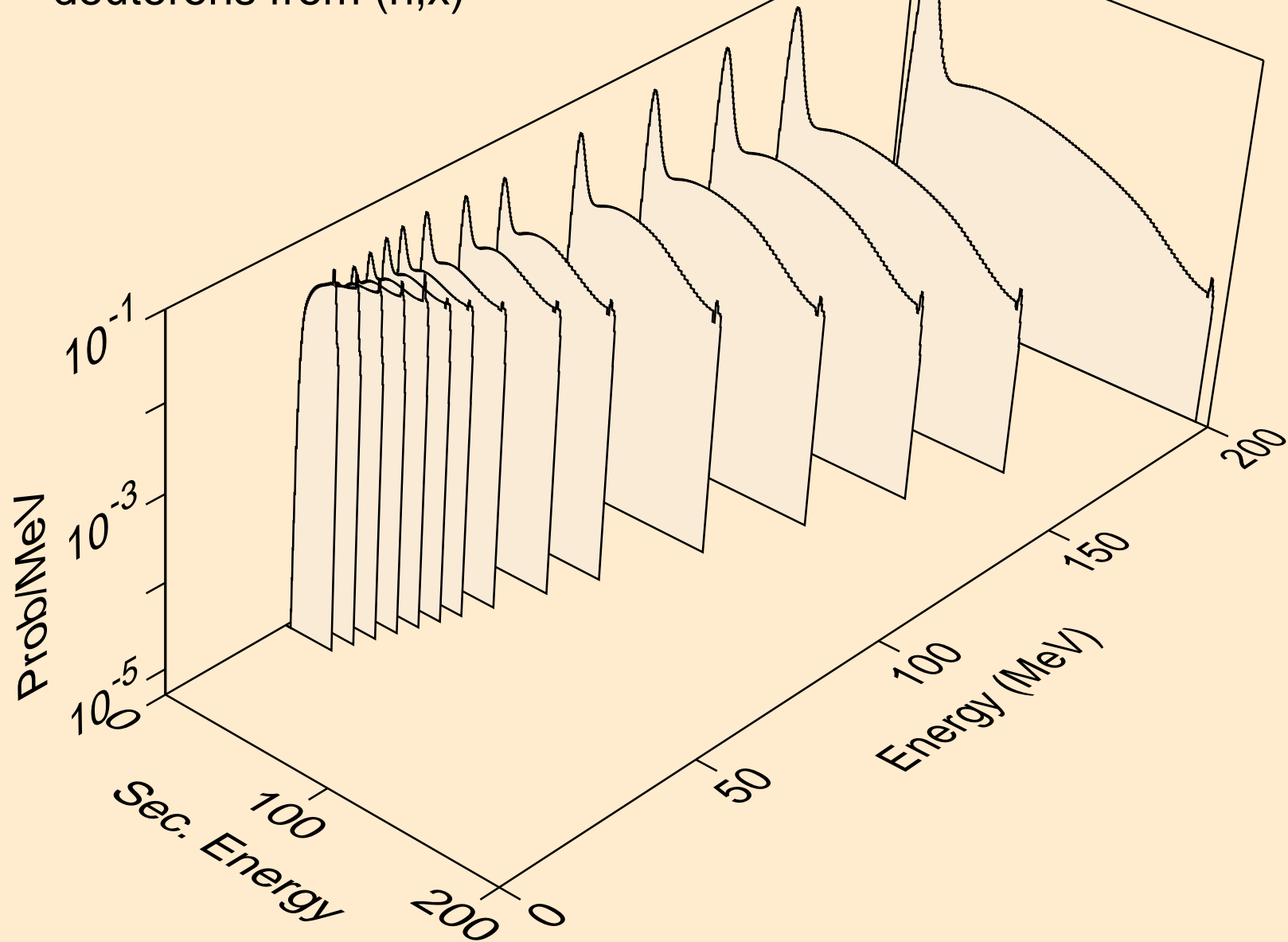
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
protons from (n,pd)



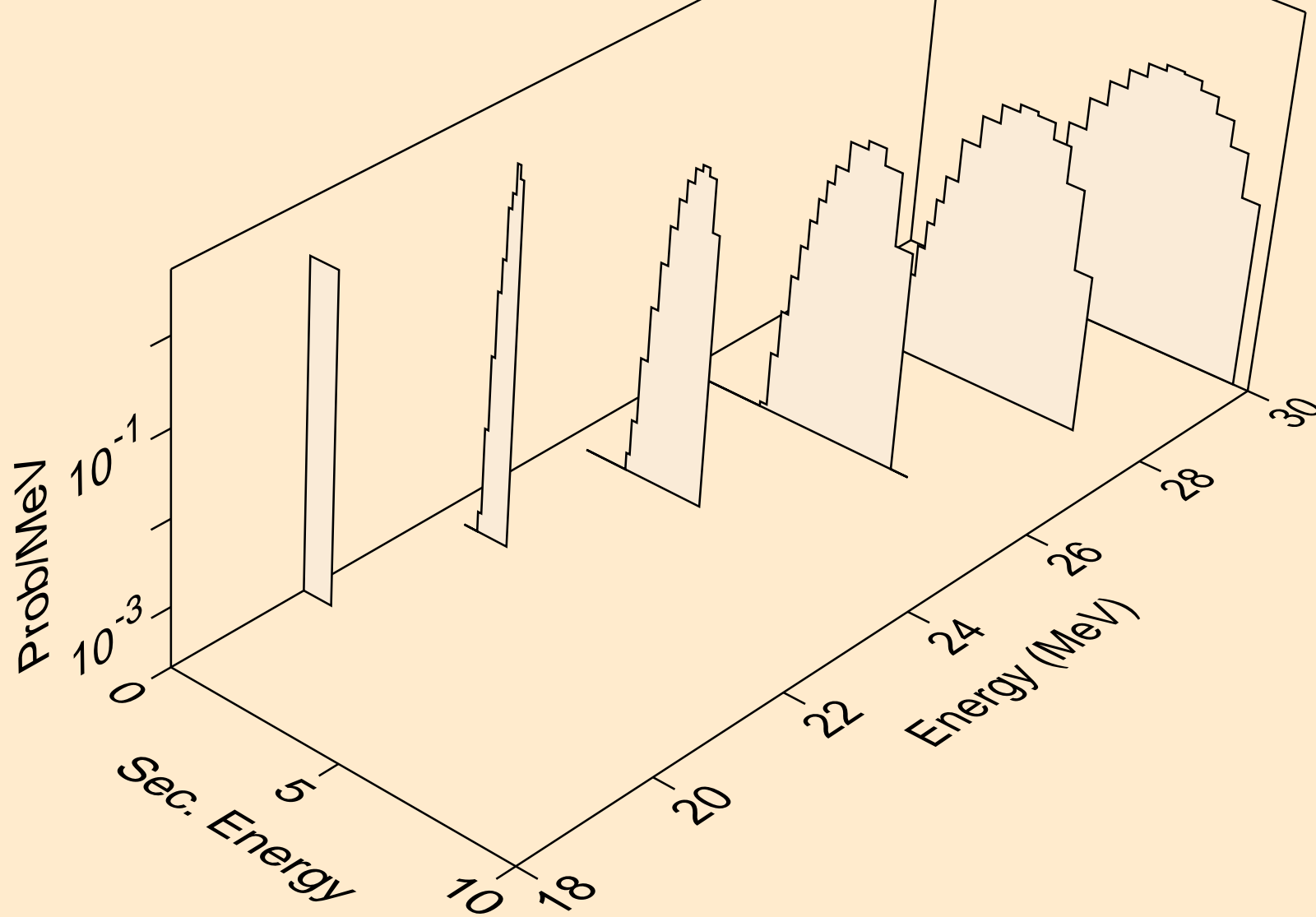
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
protons from (n,pt)



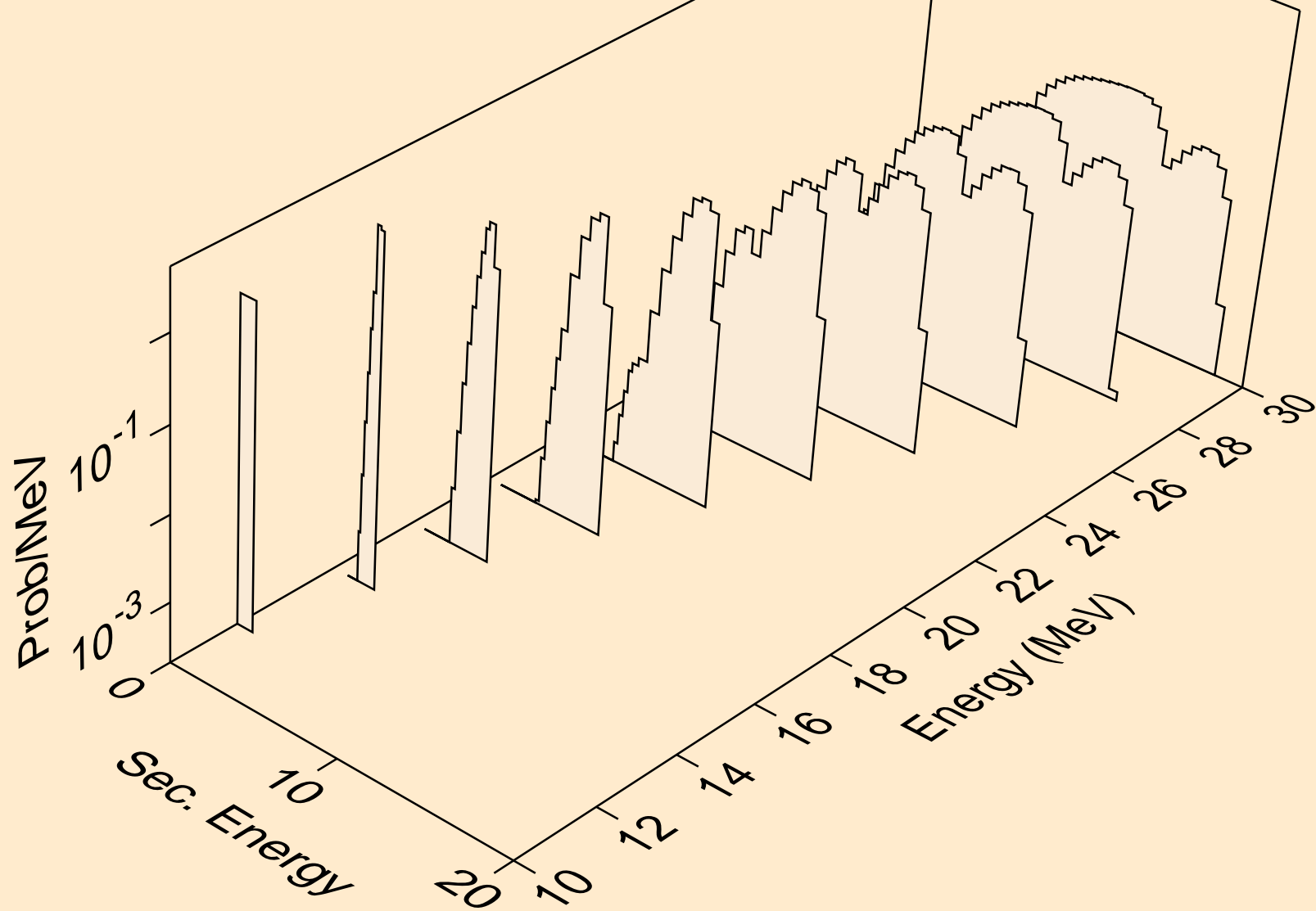
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
deuterons from (n,x)



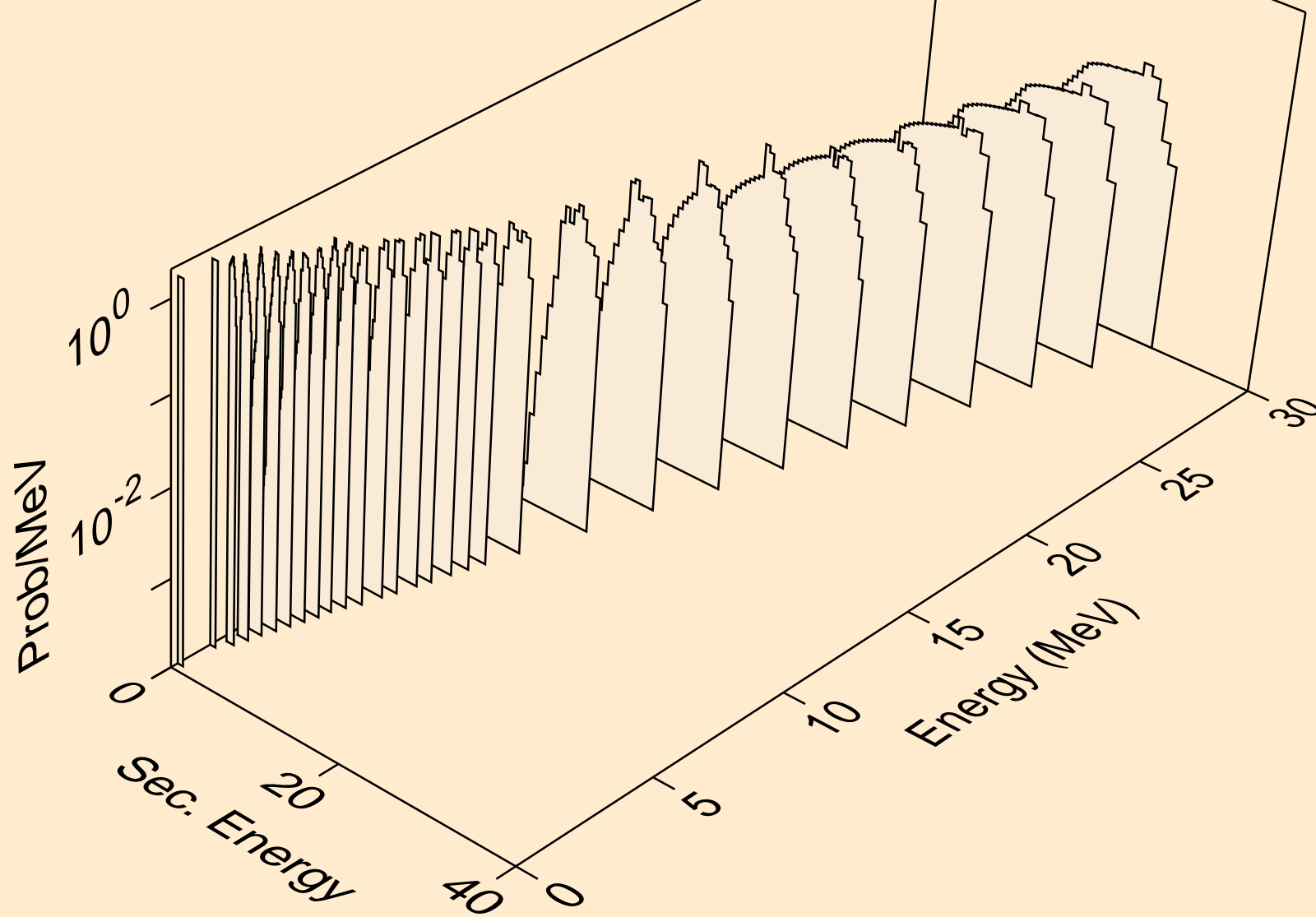
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
deuterons from (n,2nd)



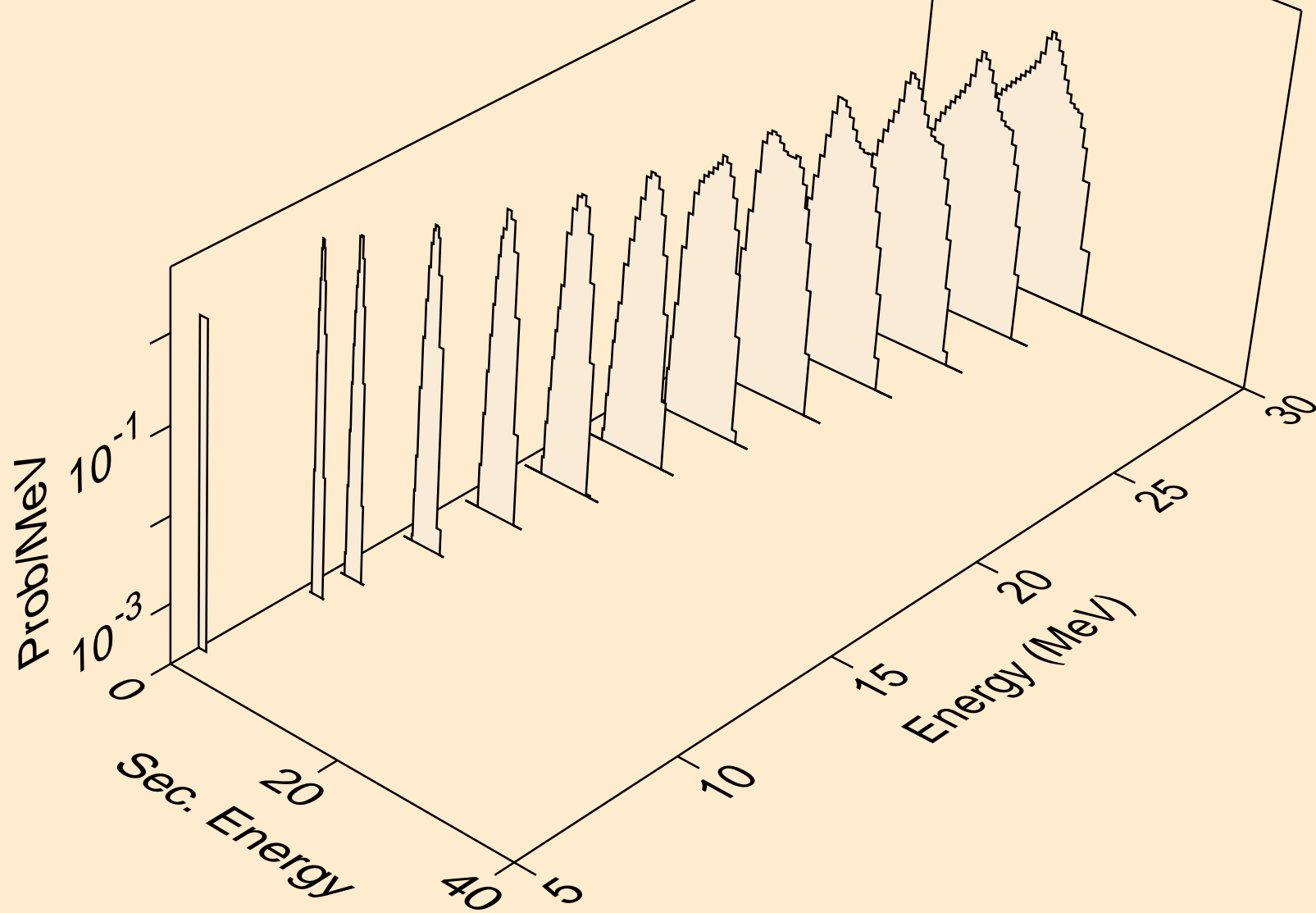
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
deuterons from (n,n\*)d



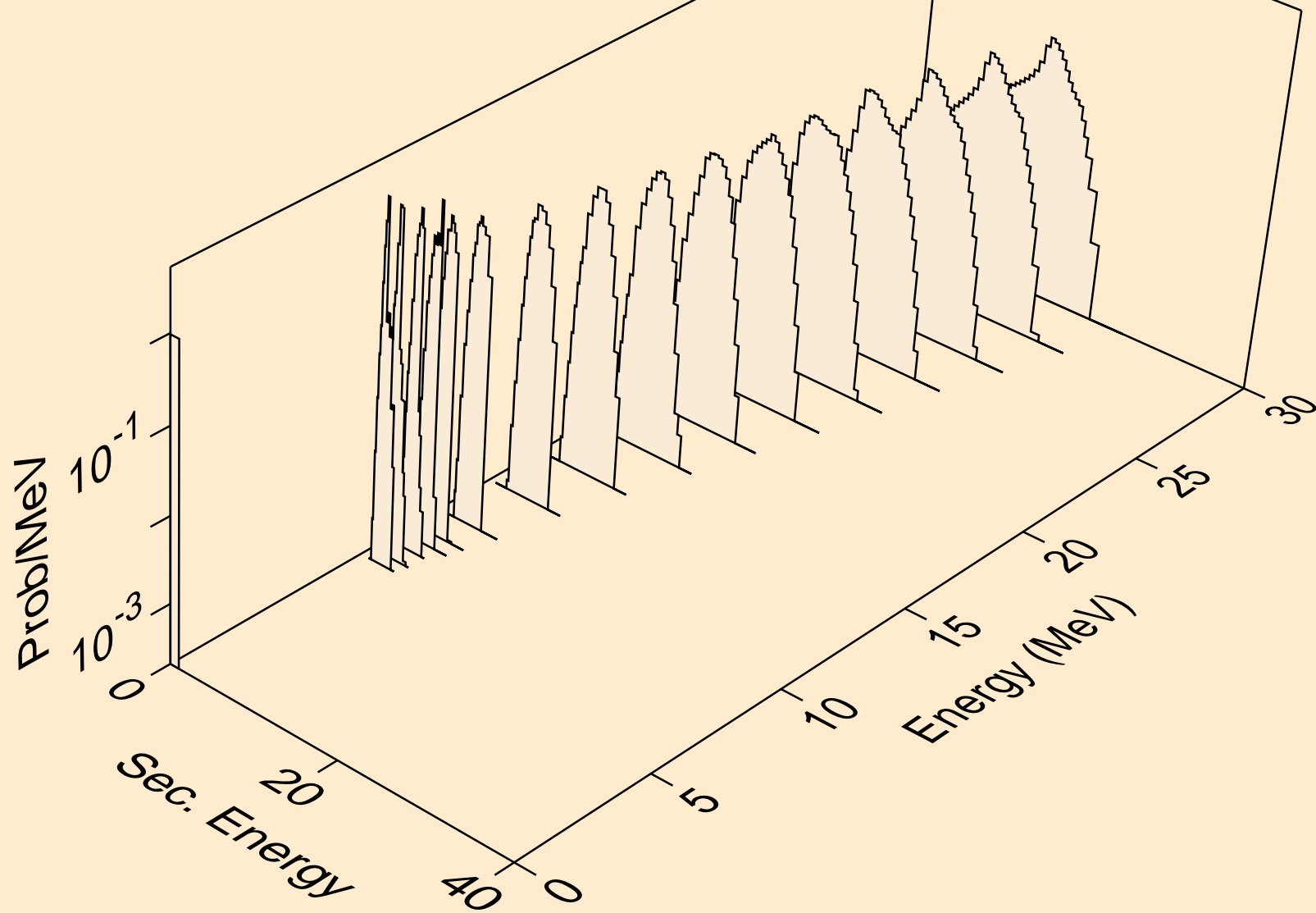
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
deuterons from (n,d)



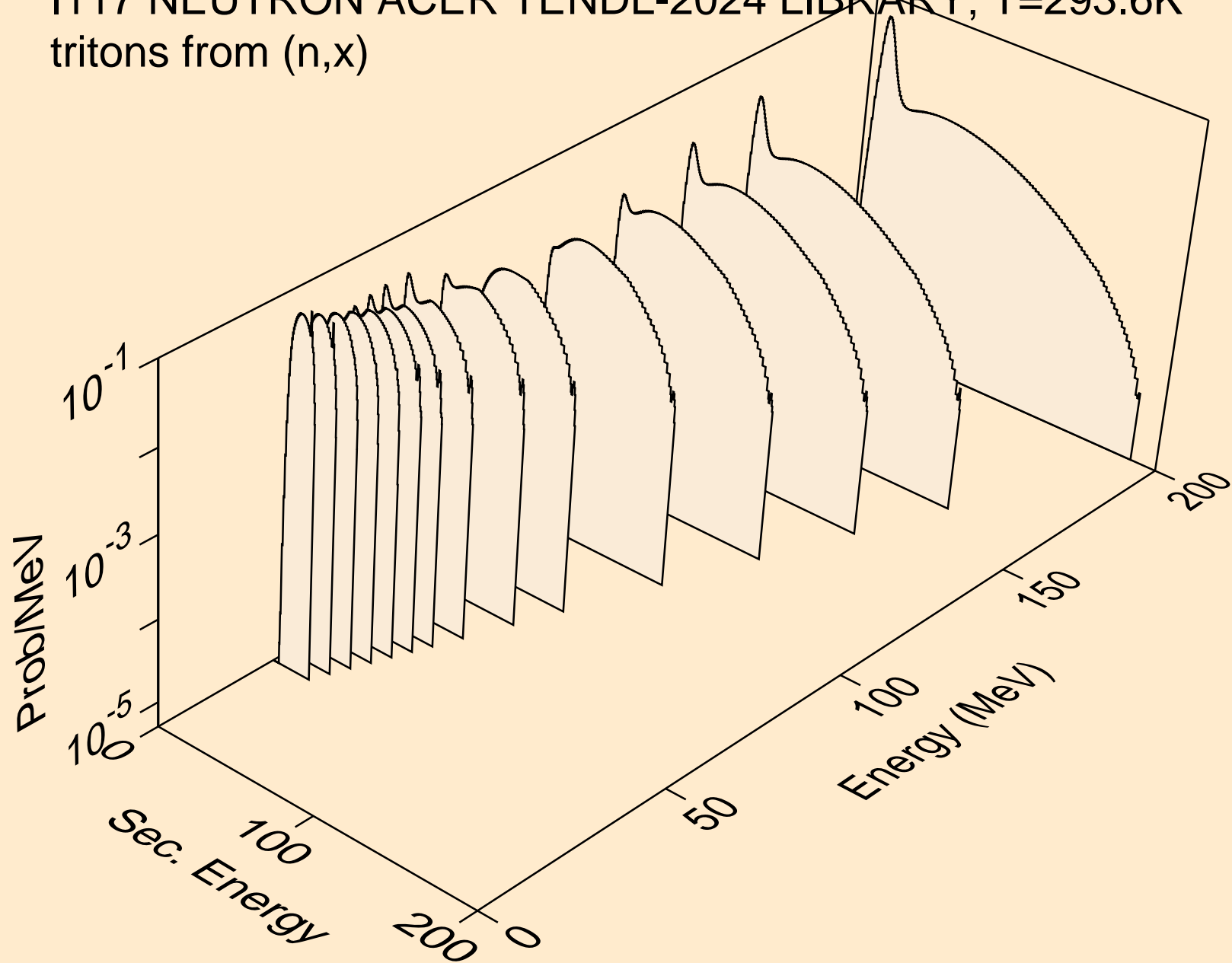
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
deuterons from (n,pd)



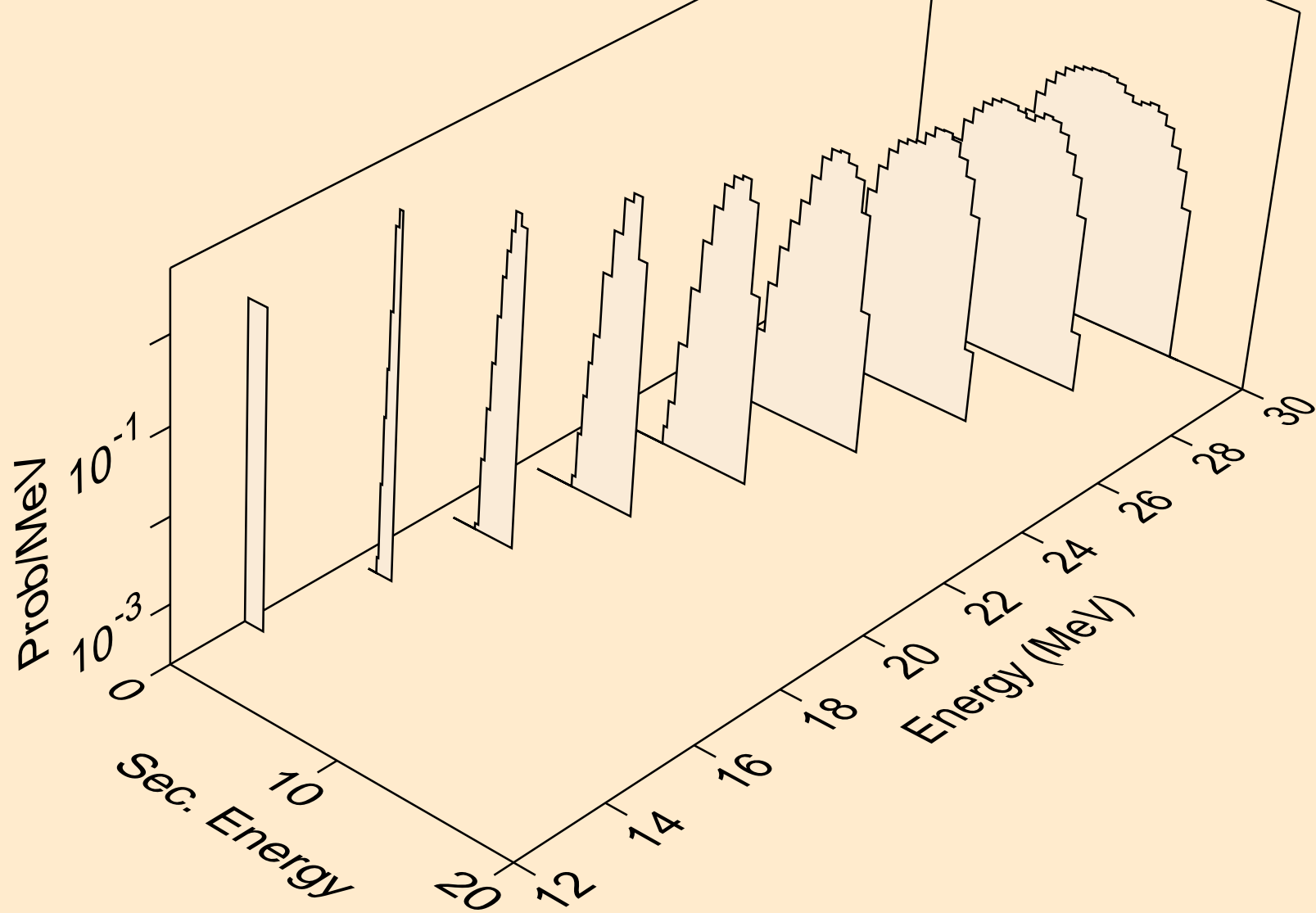
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
deuterons from (n,da)



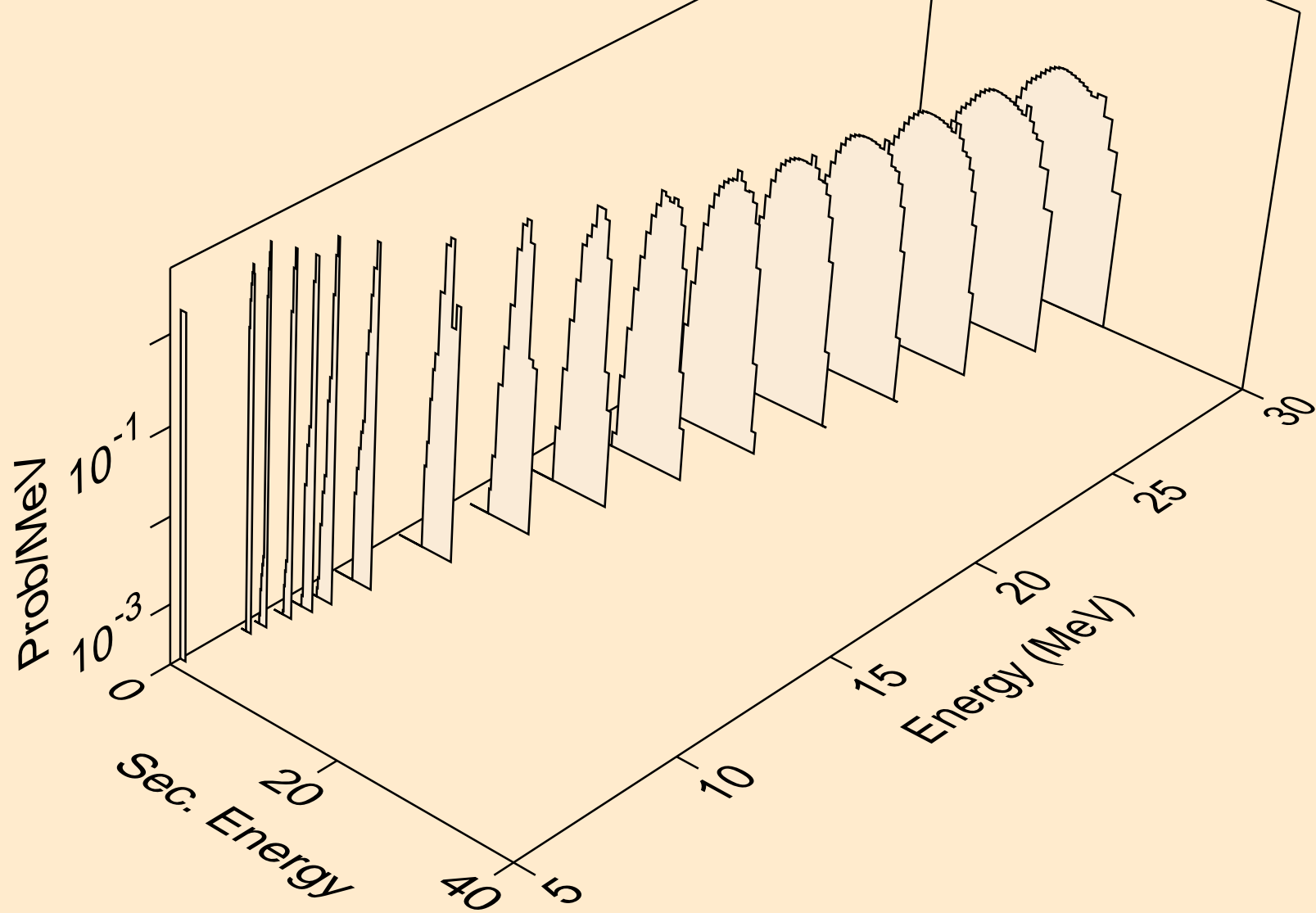
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
tritons from (n,x)



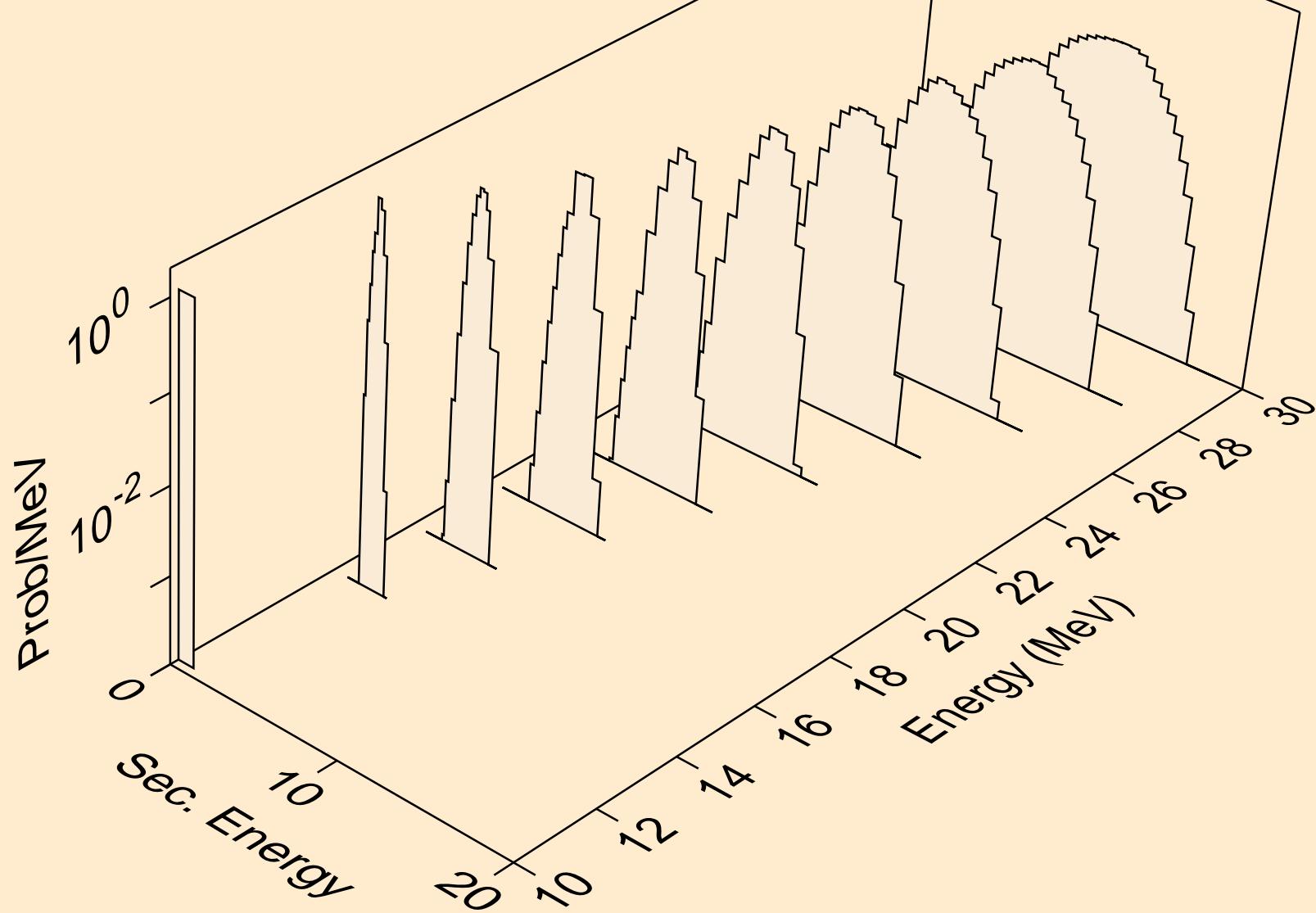
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
tritons from (n,n\*)t



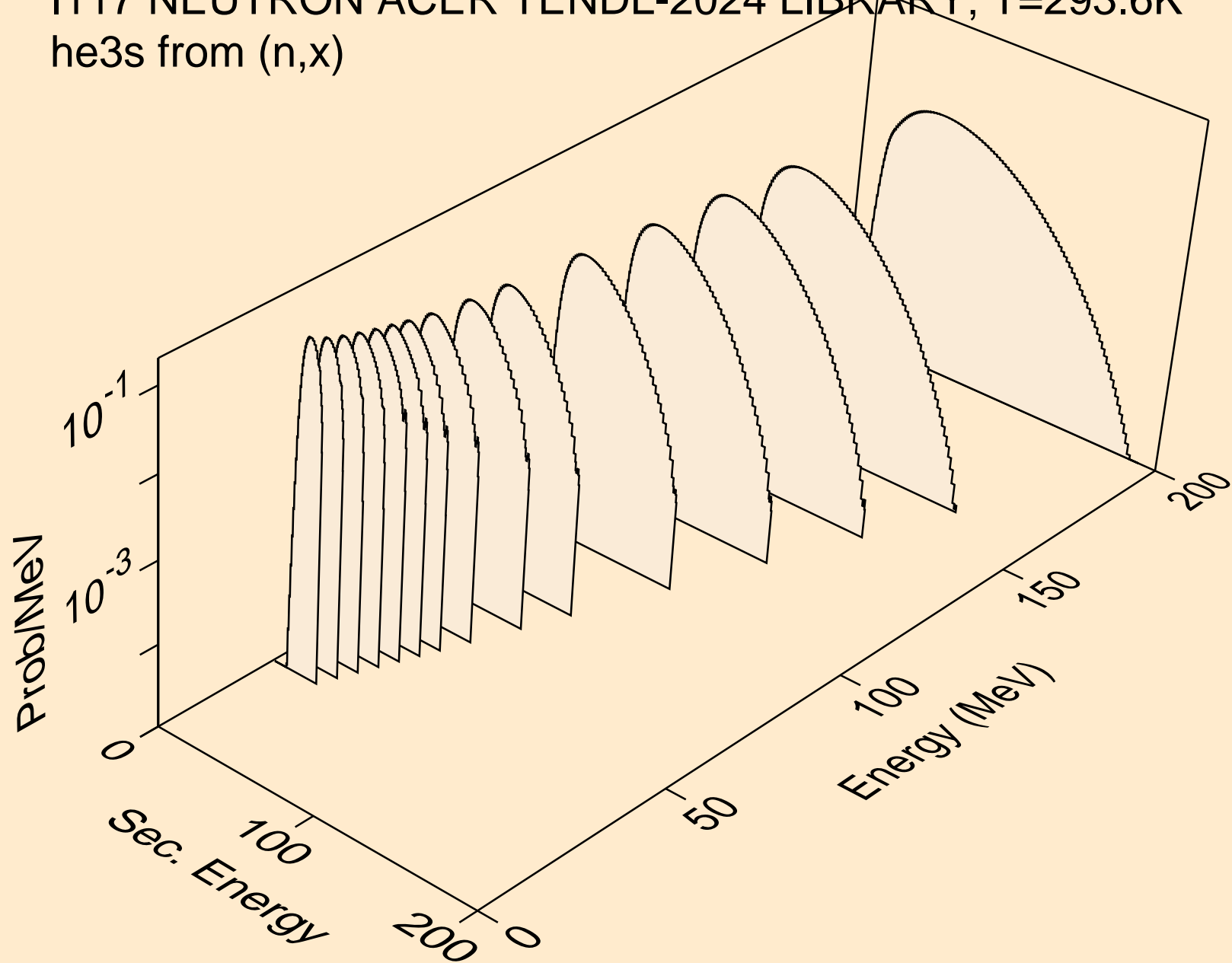
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
tritons from (n,t)



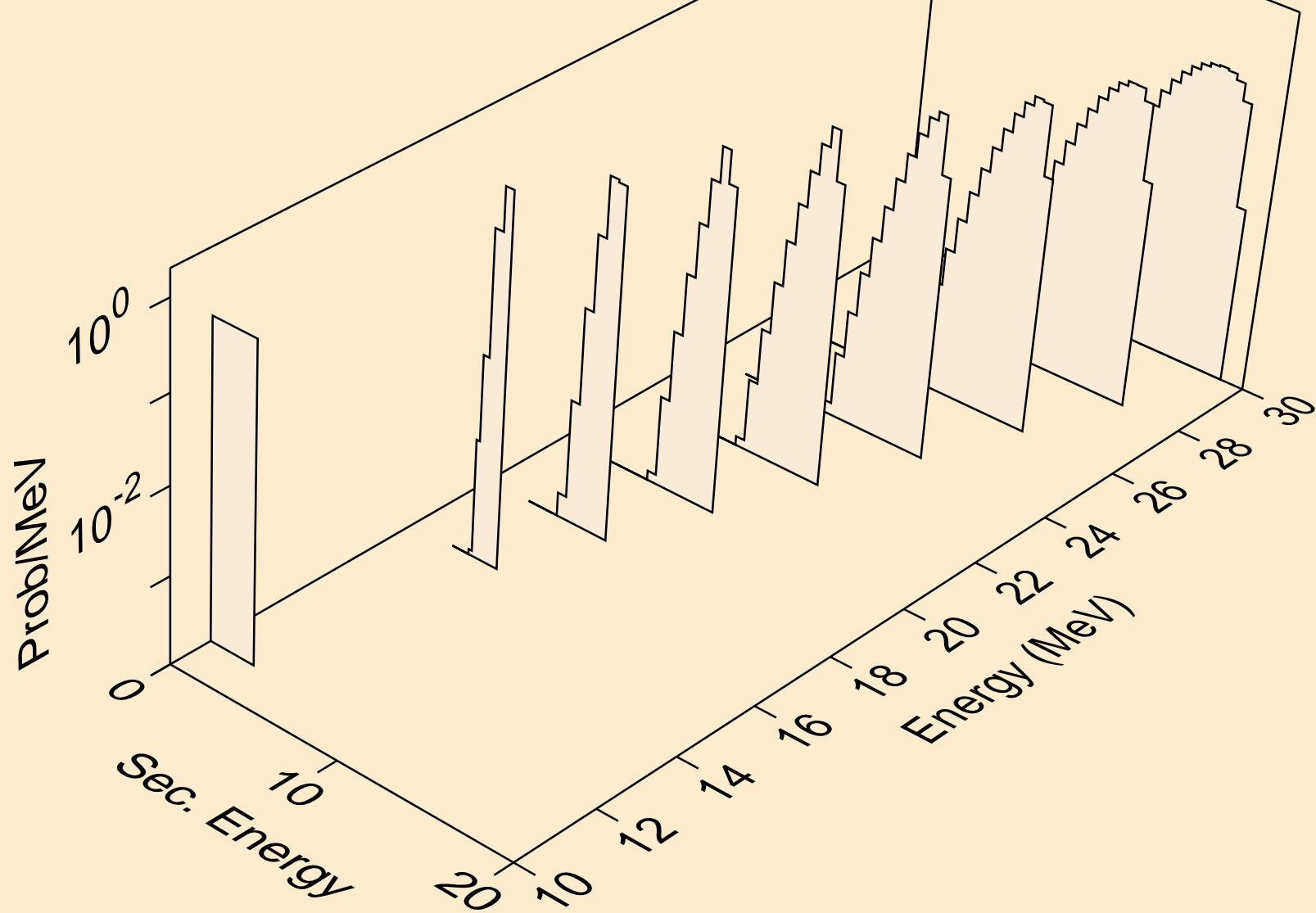
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
tritons from (n,pt)



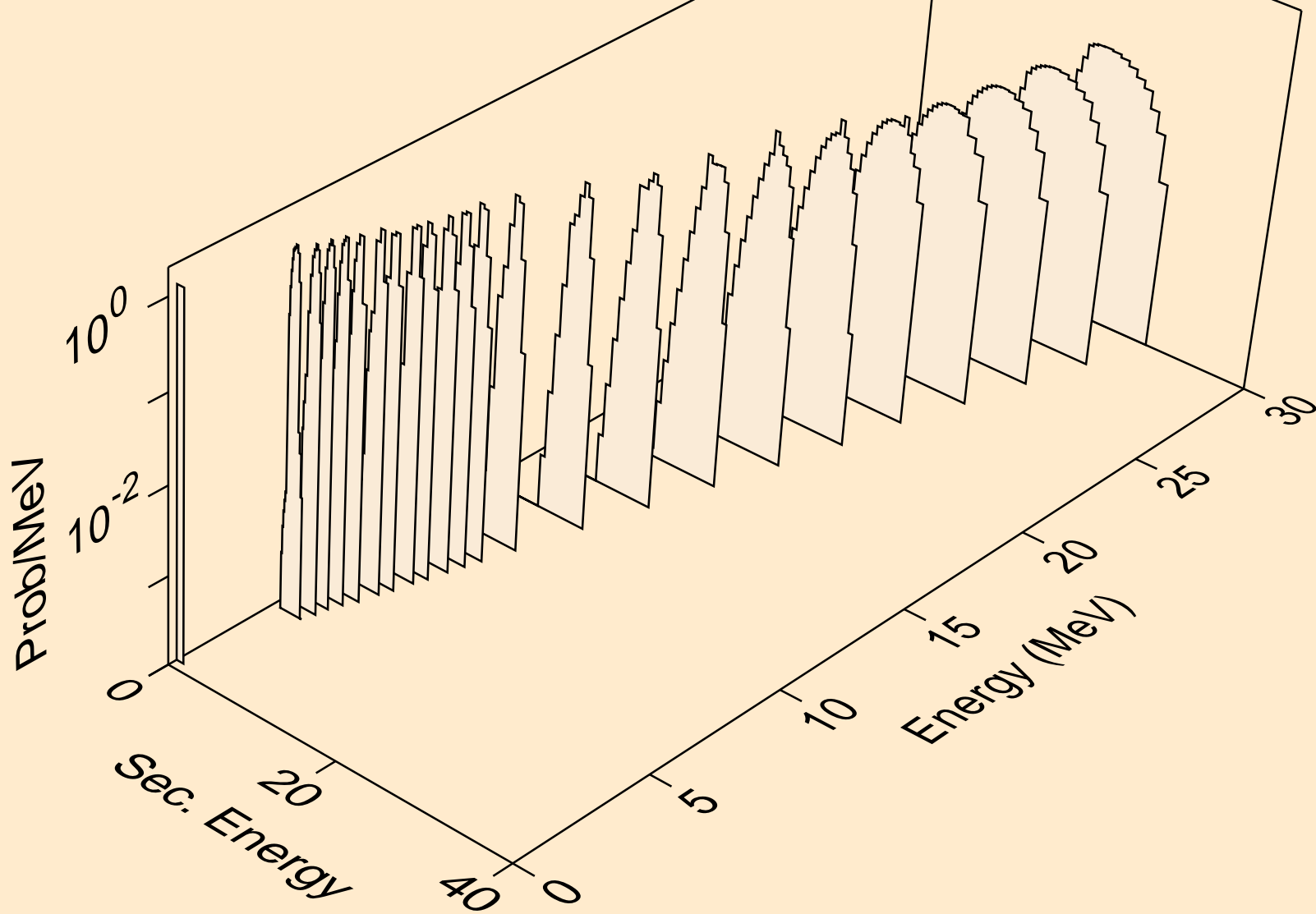
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
he3s from (n,x)



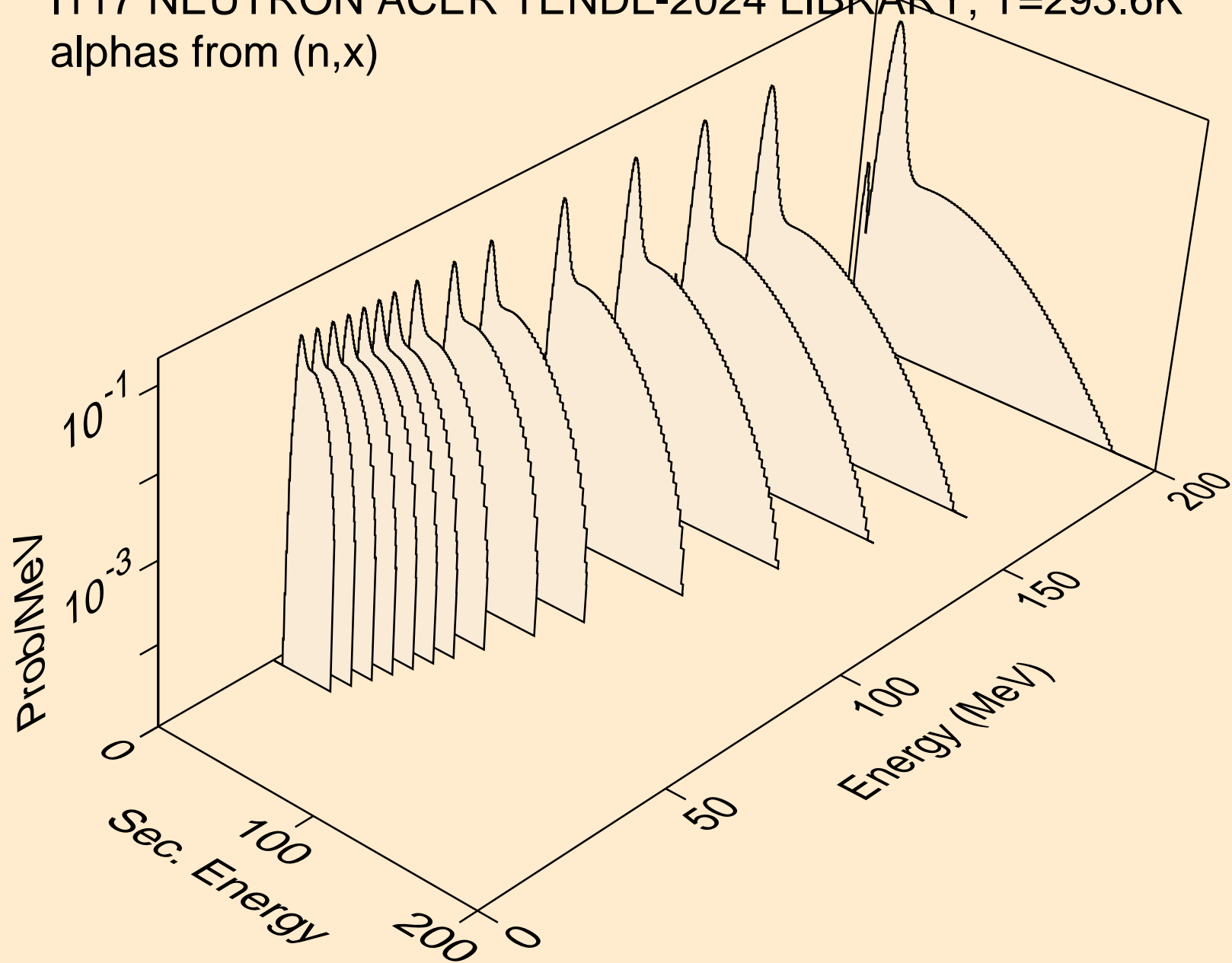
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
he3s from (n,n\*)he3



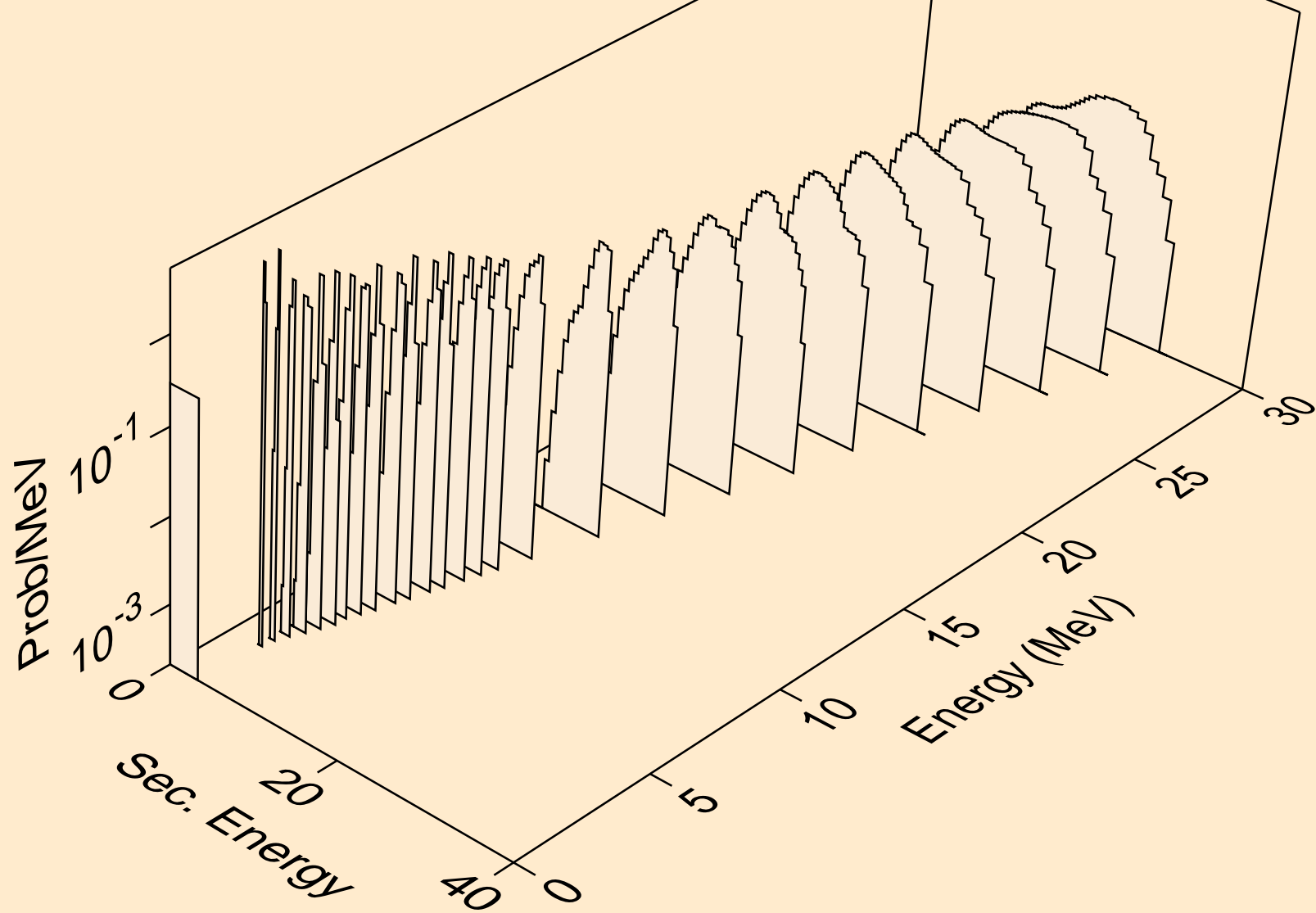
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
he3s from (n,he3)



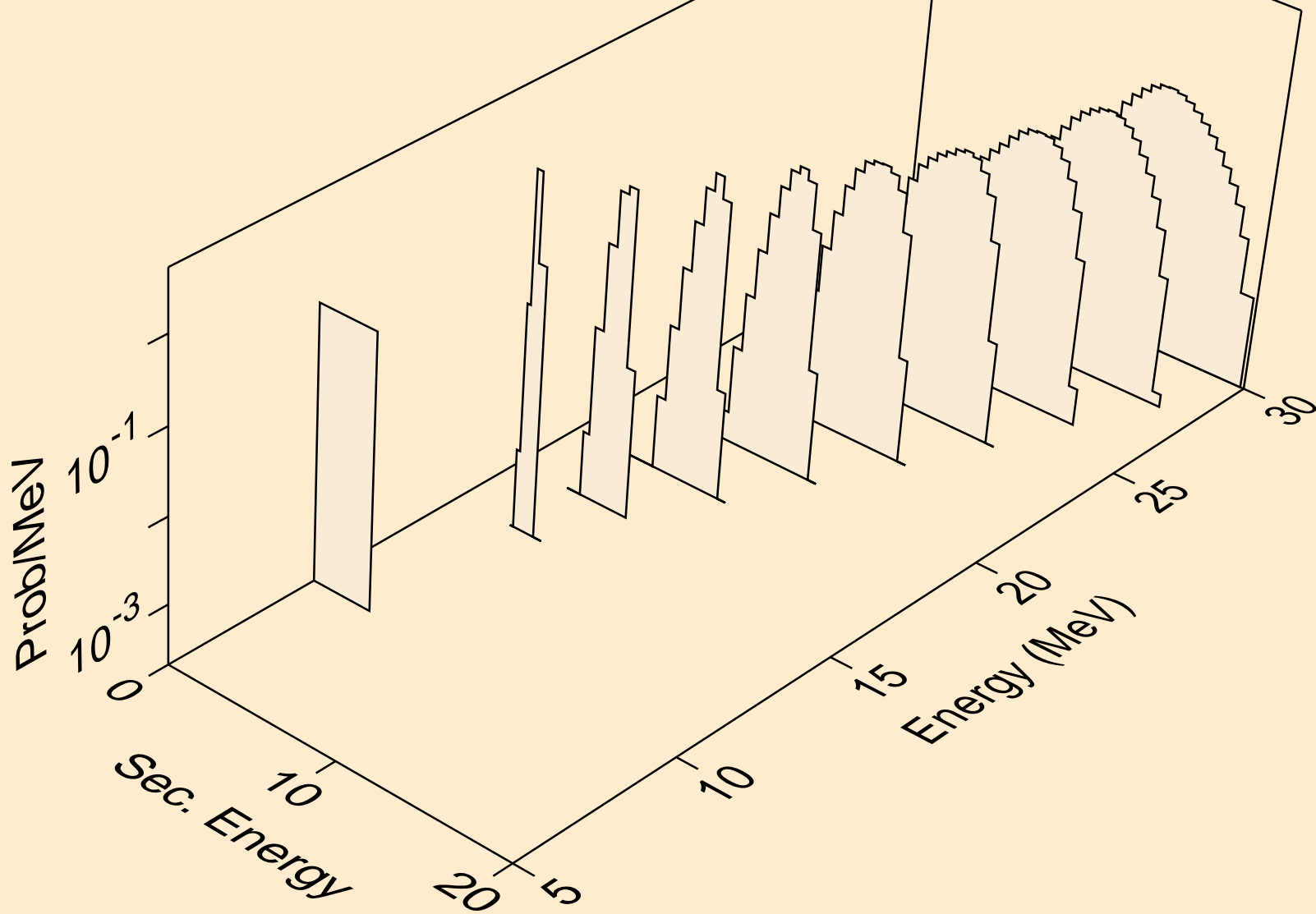
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,x)



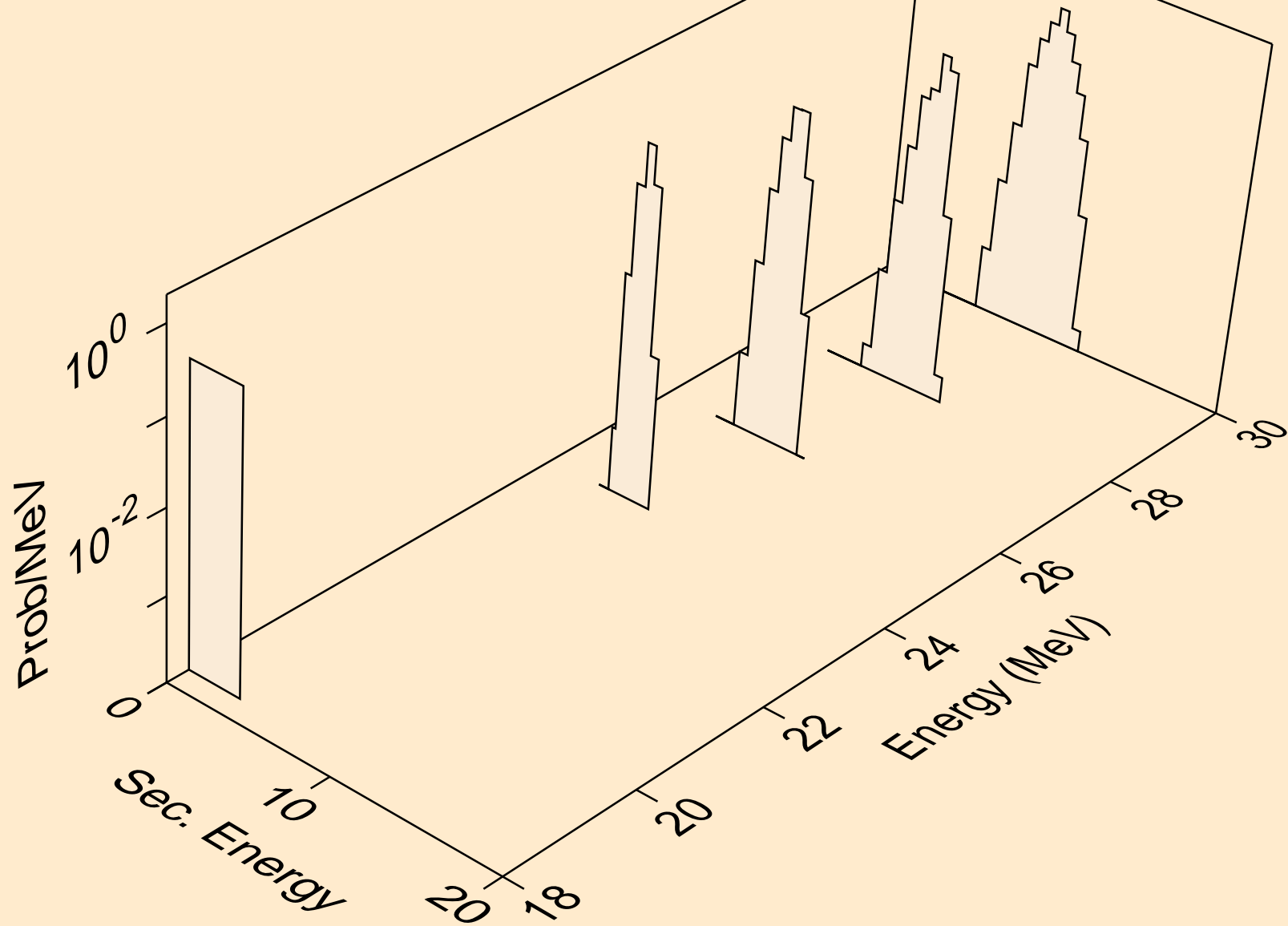
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,n\*)a



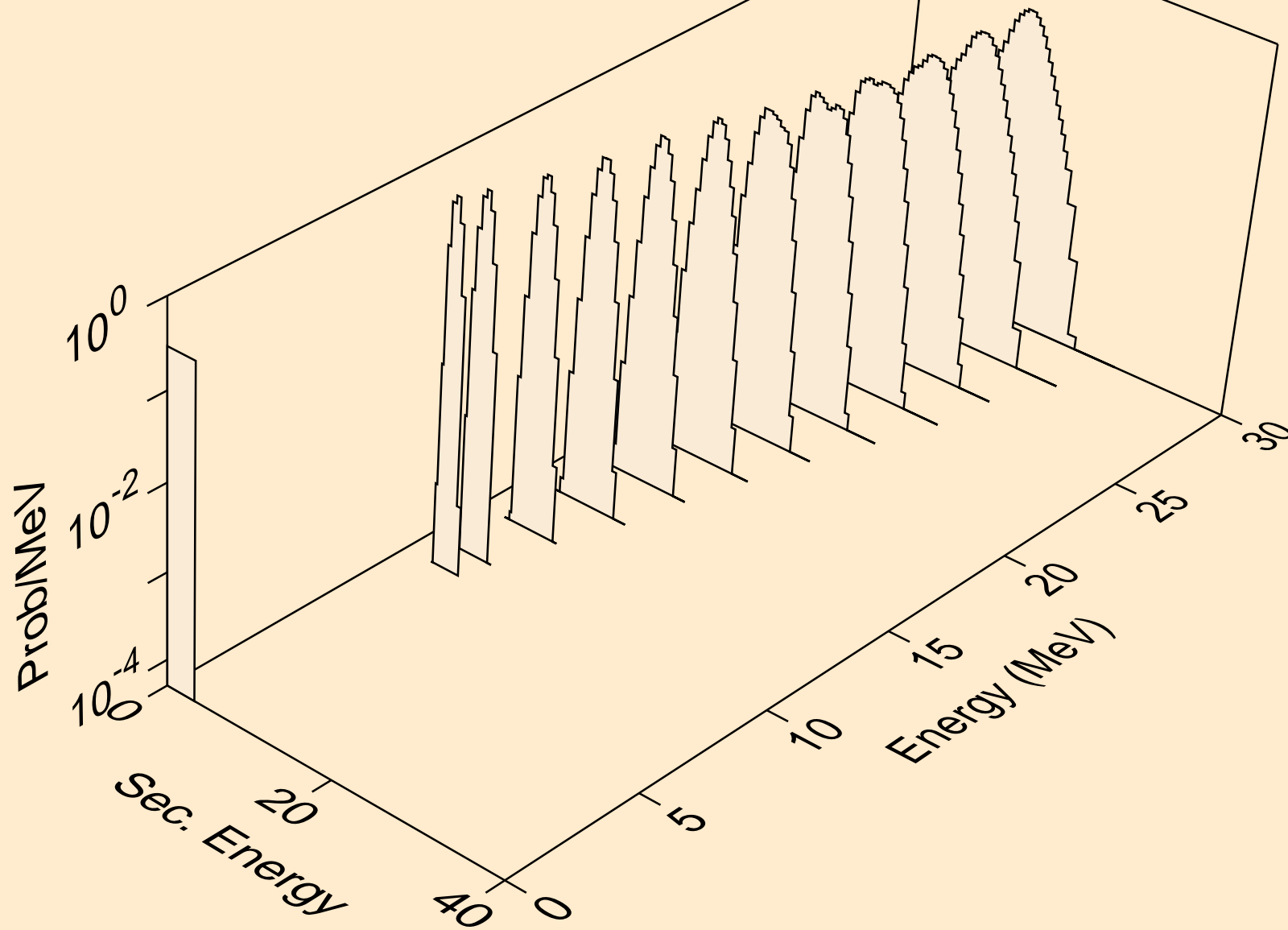
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,2n)a



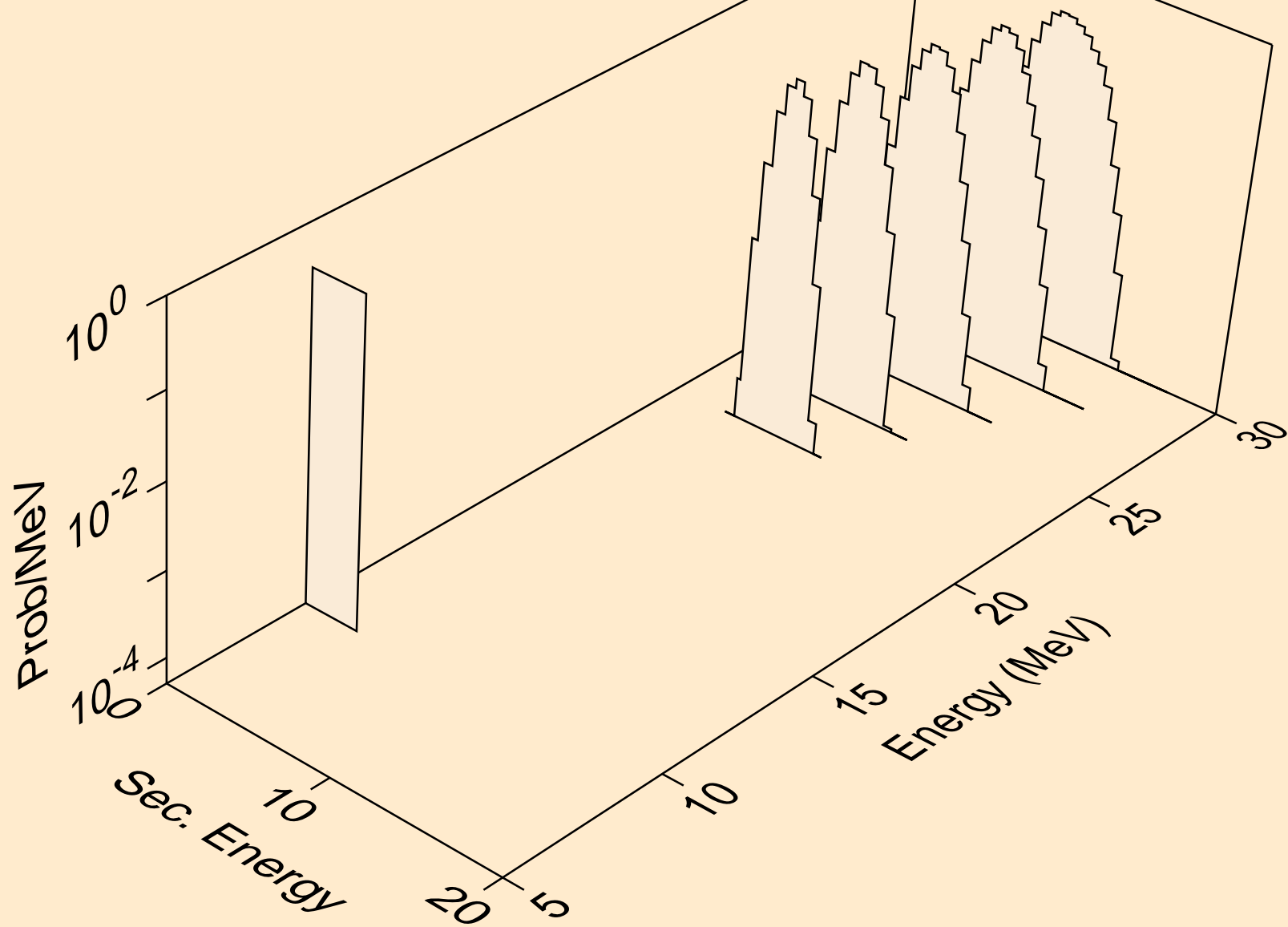
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,3n)a



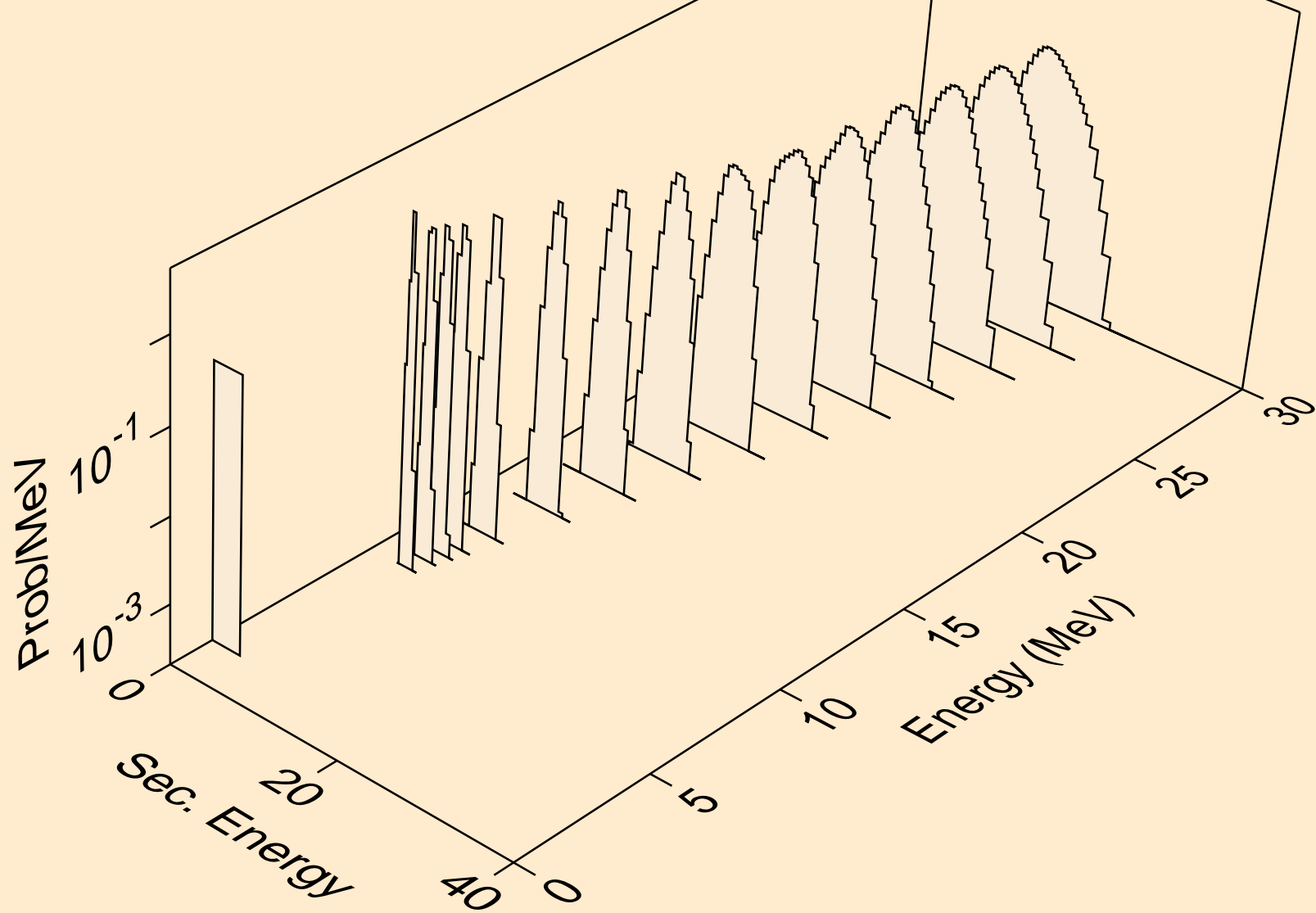
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,n\*)2a



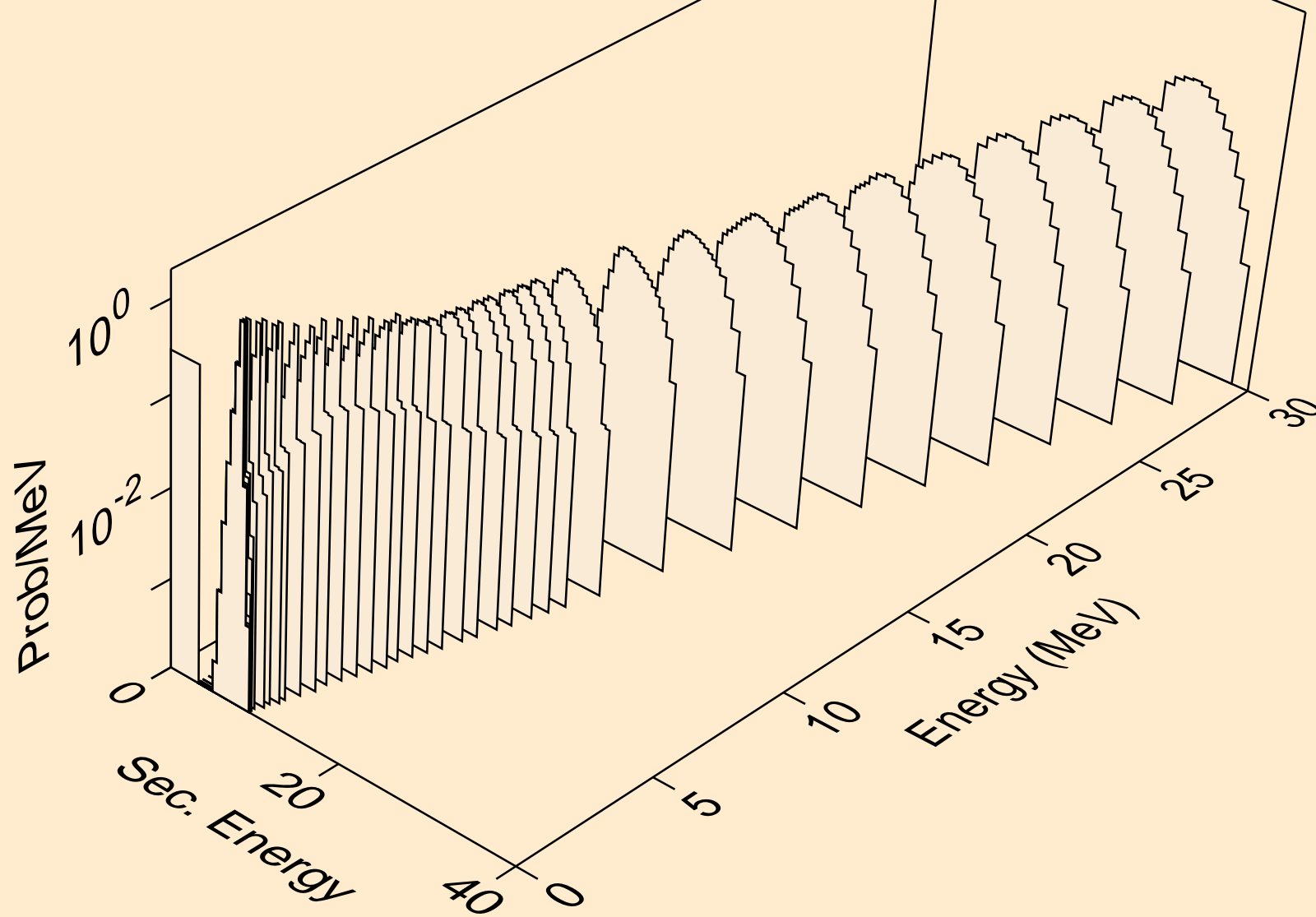
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,2n)2a



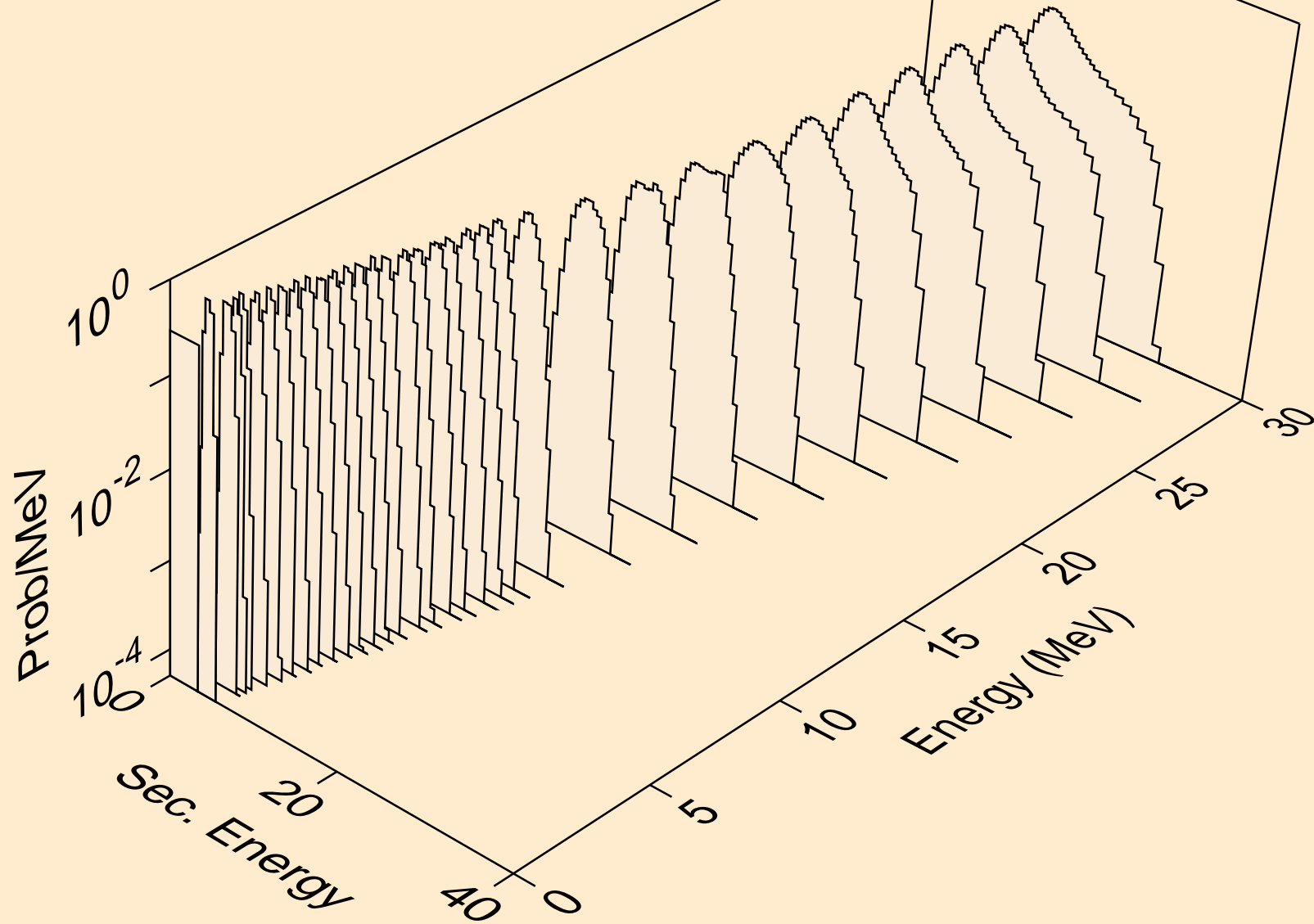
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,npa)



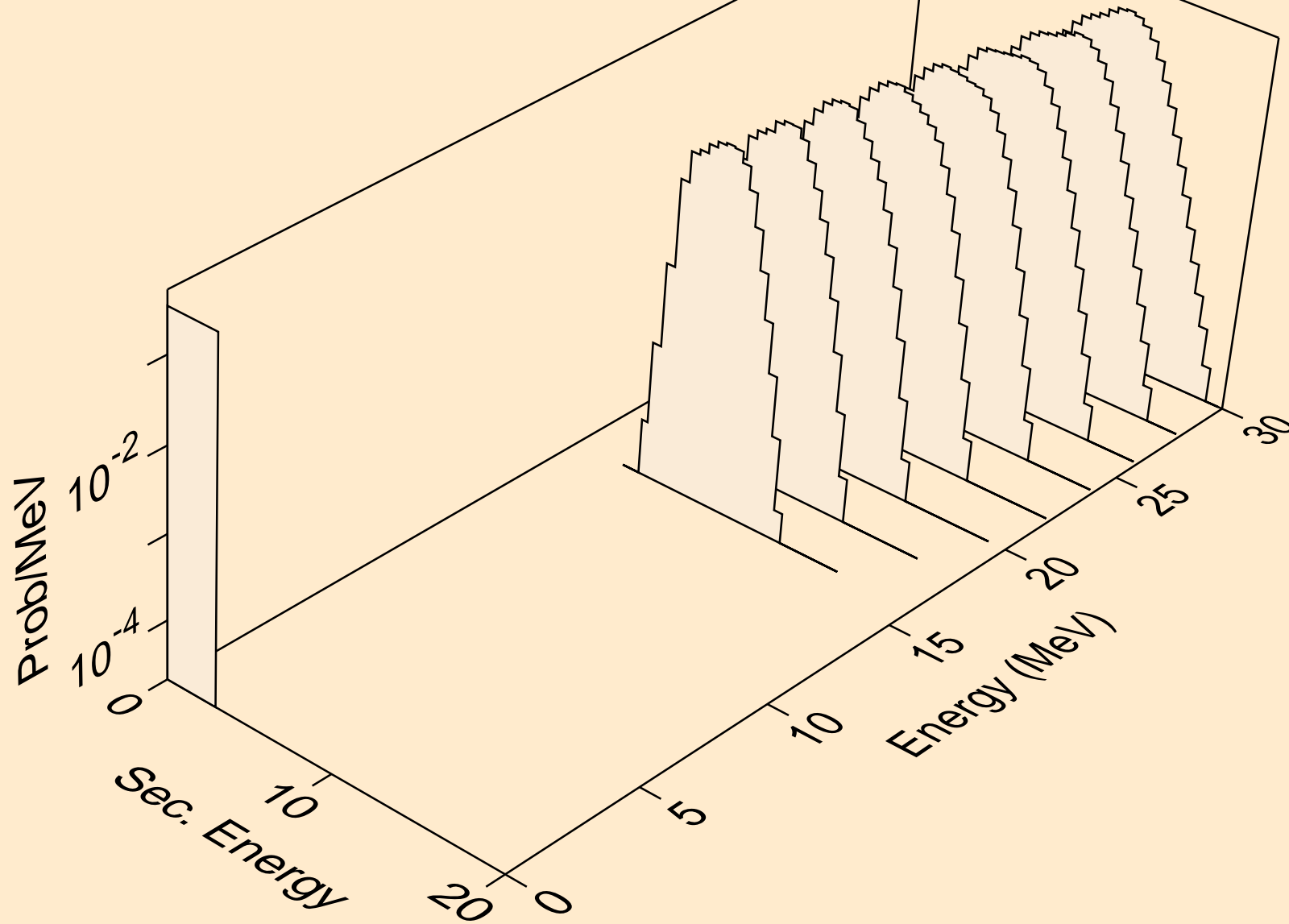
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,a)



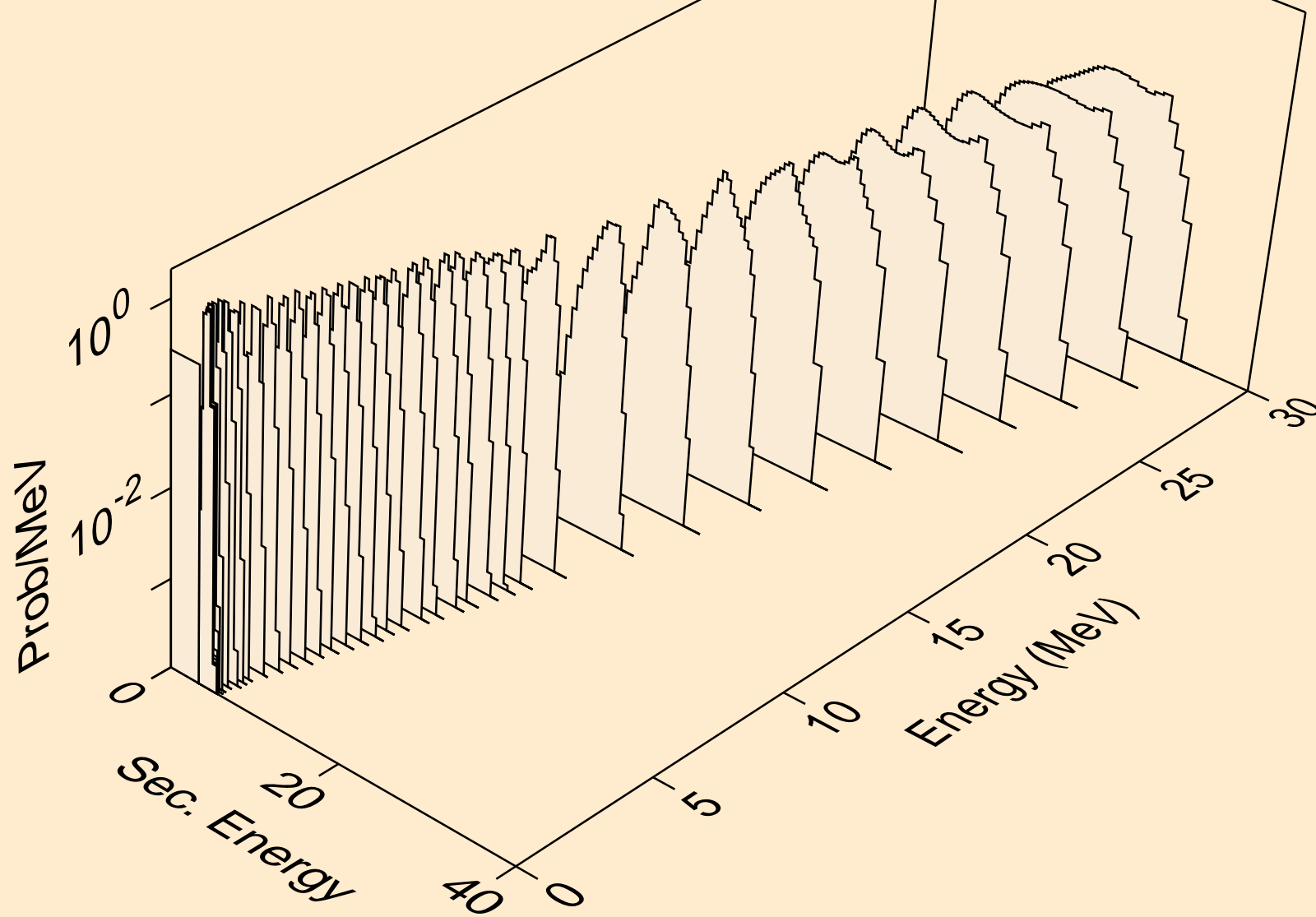
I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,2a)



I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,3a)



I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,pa)



I117 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,da)

