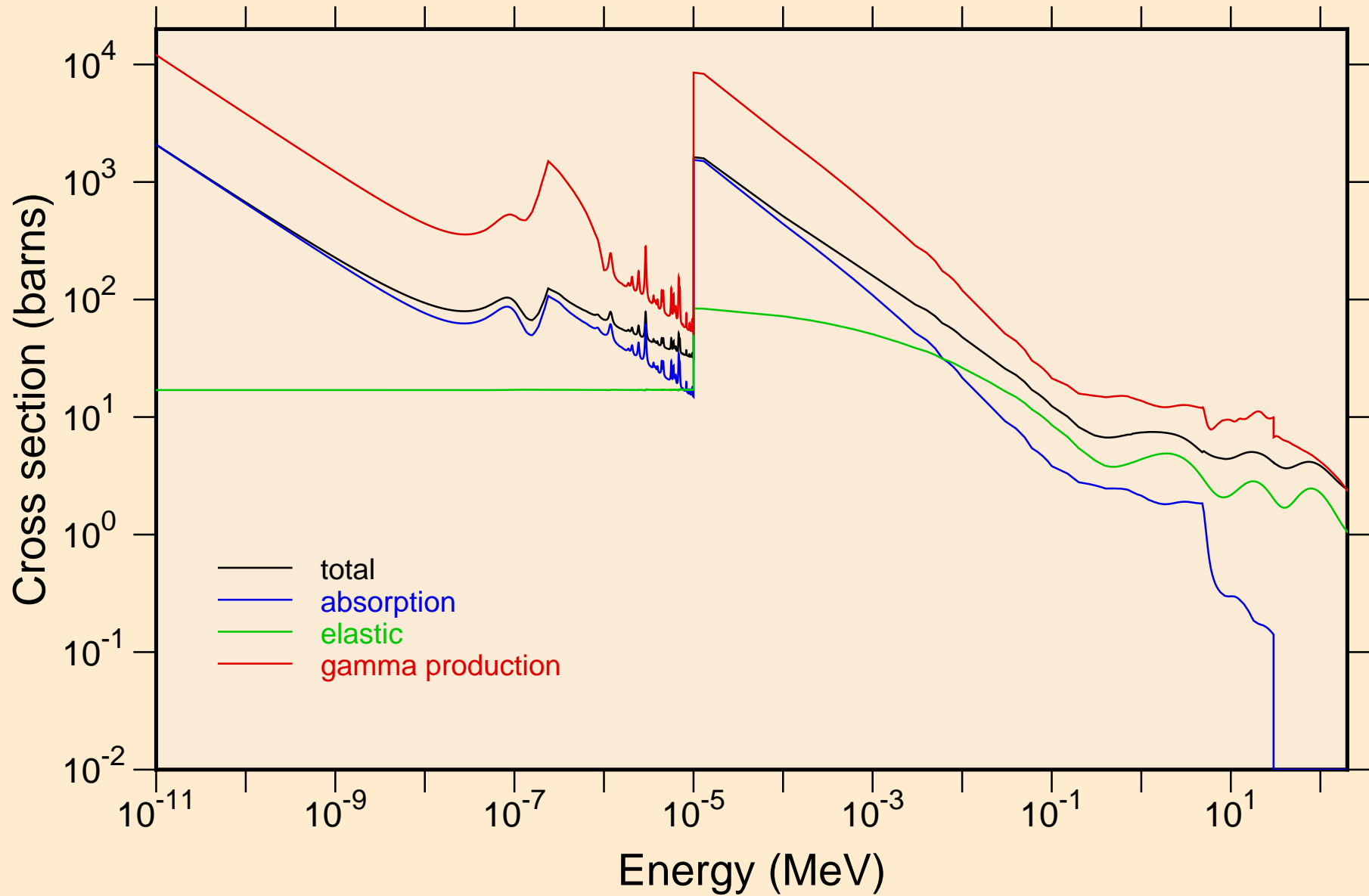
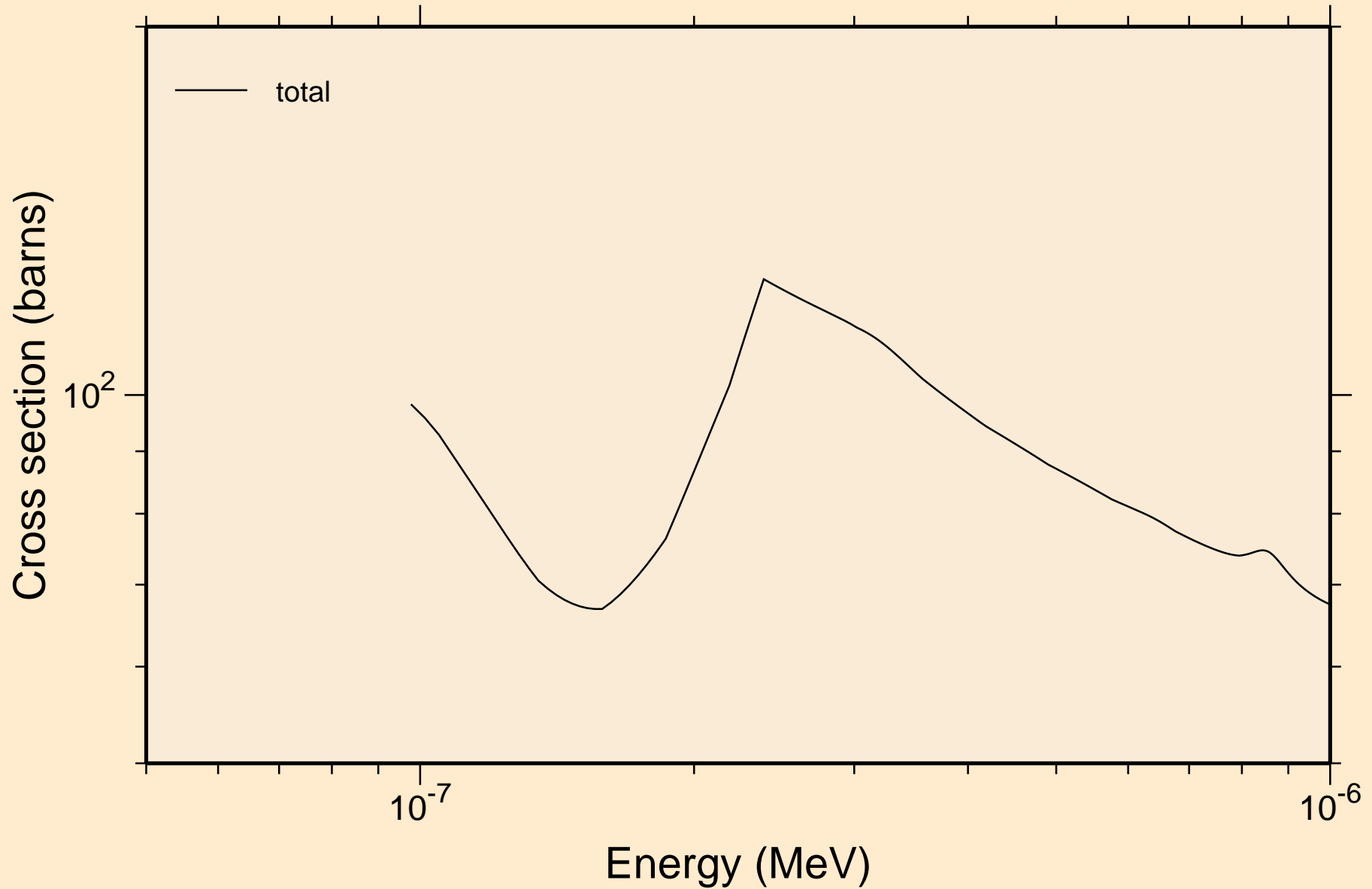


# ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

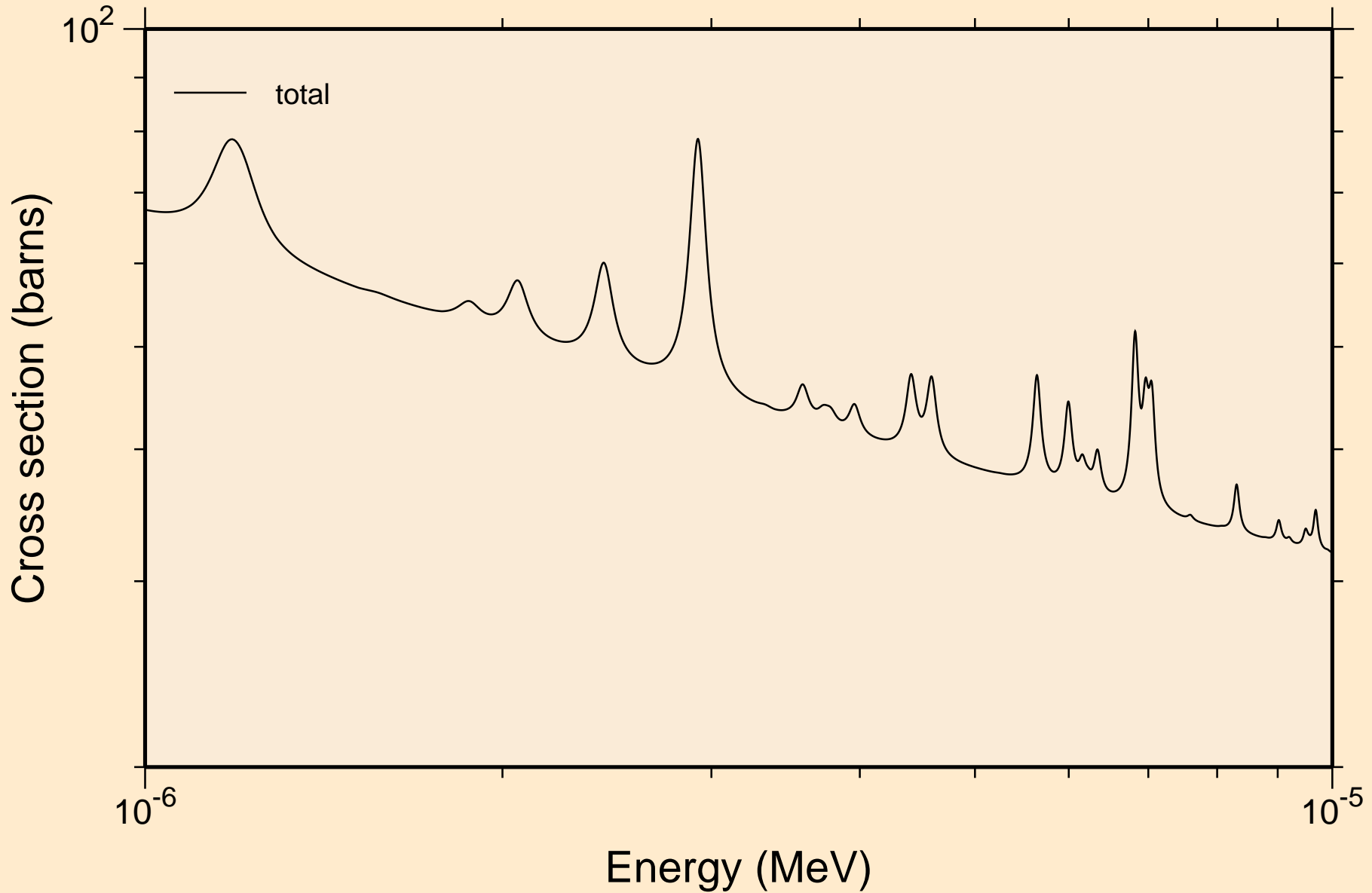
## Principal cross sections



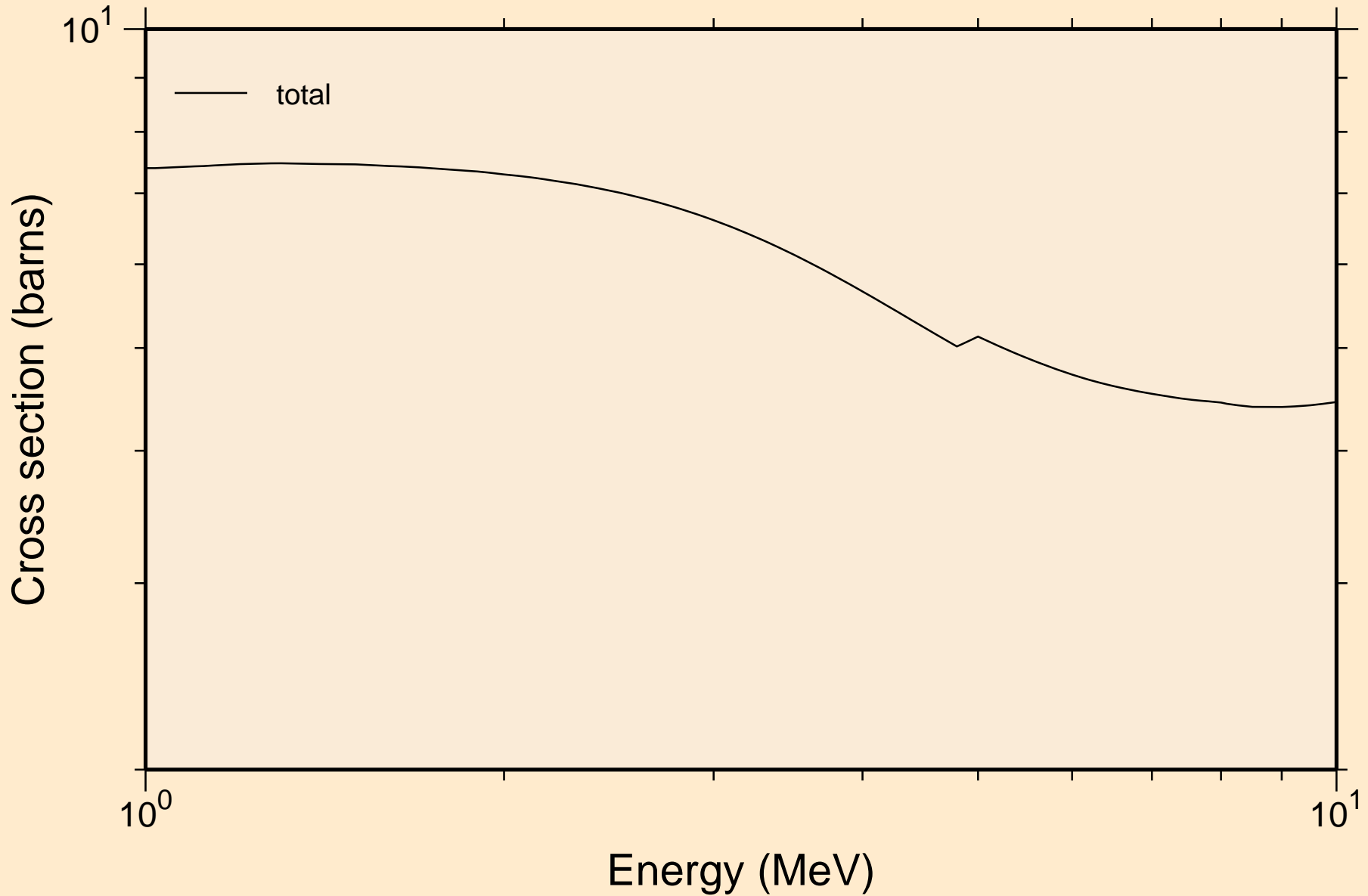
ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



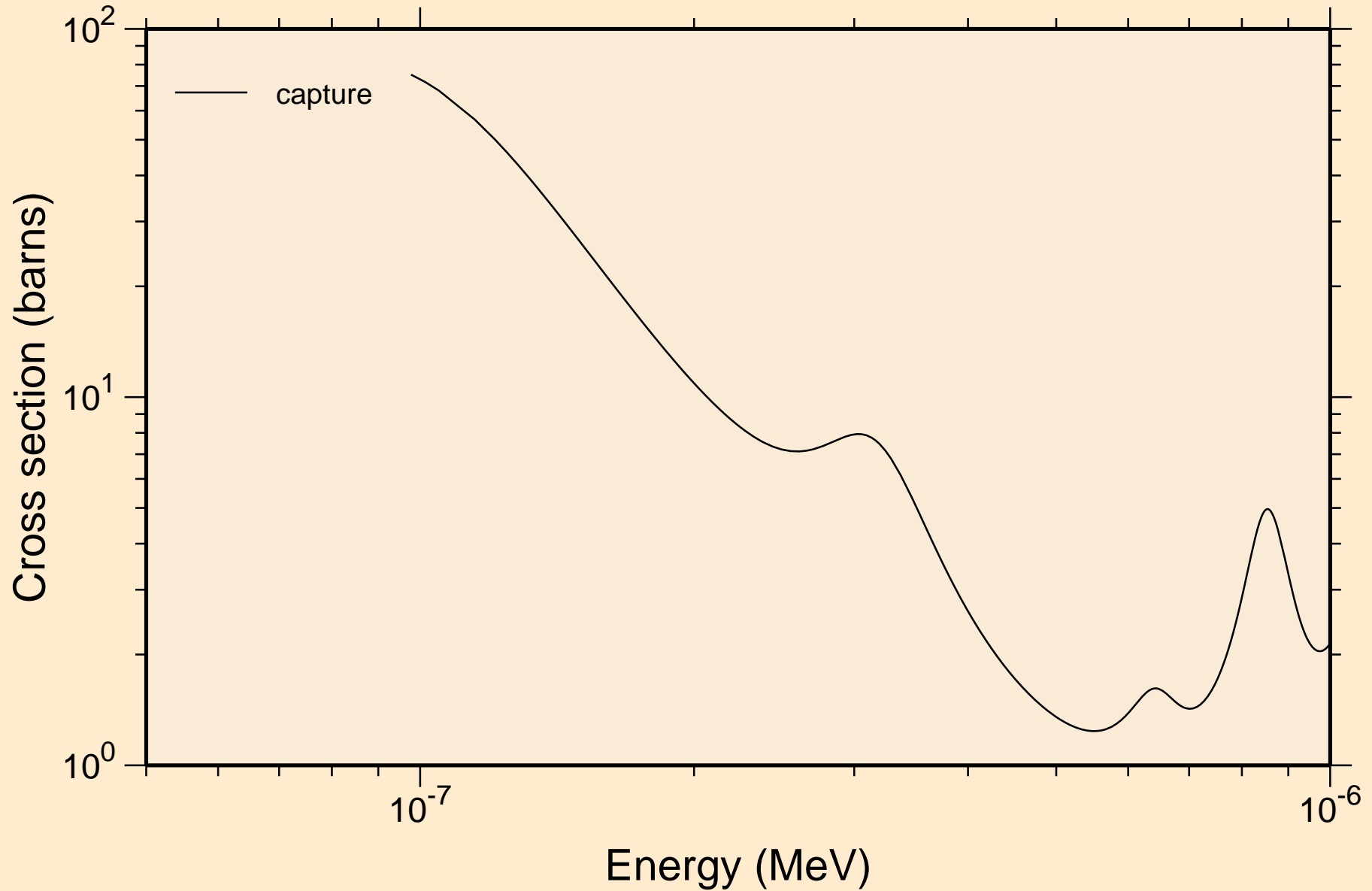
ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



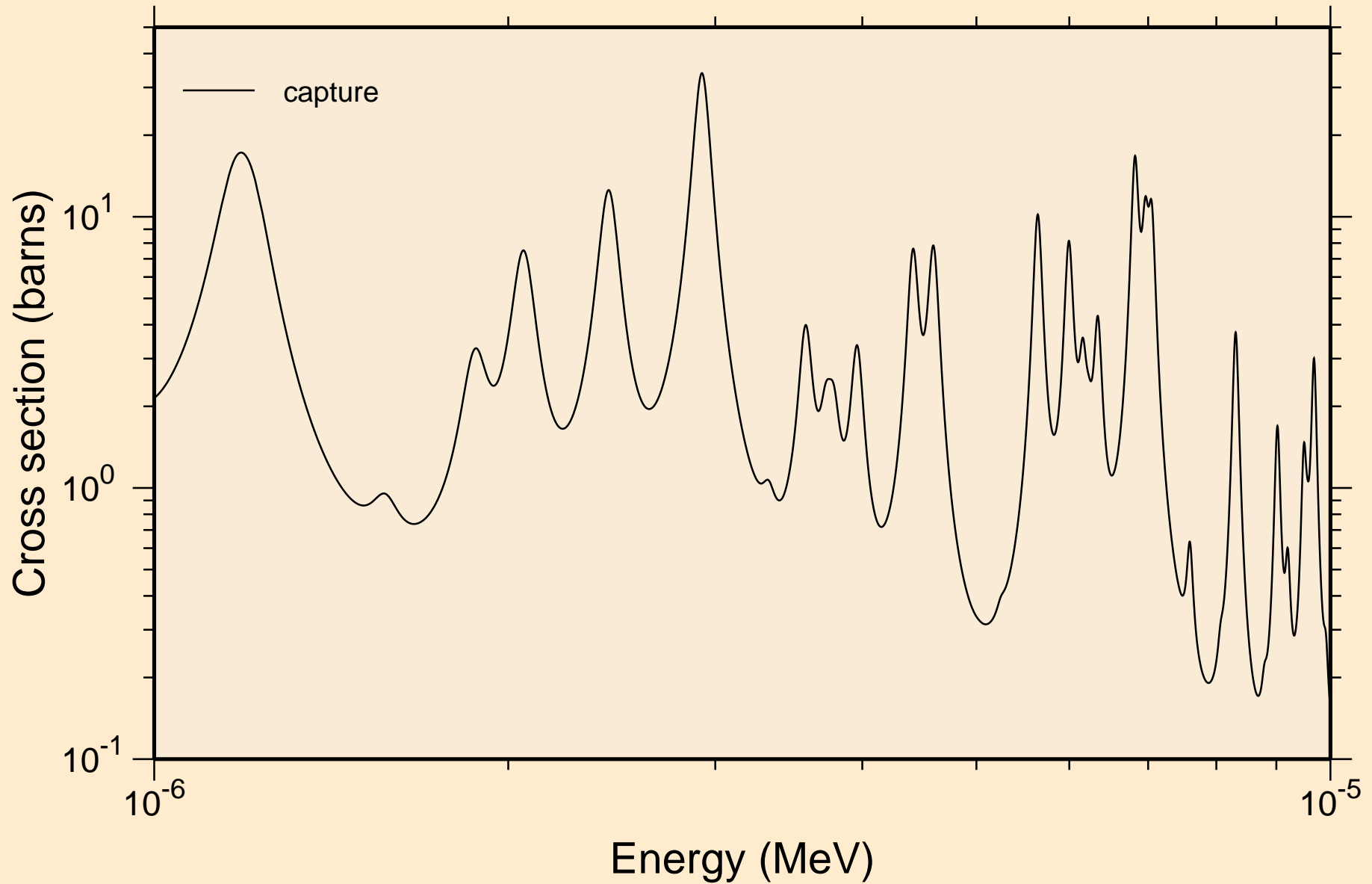
ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



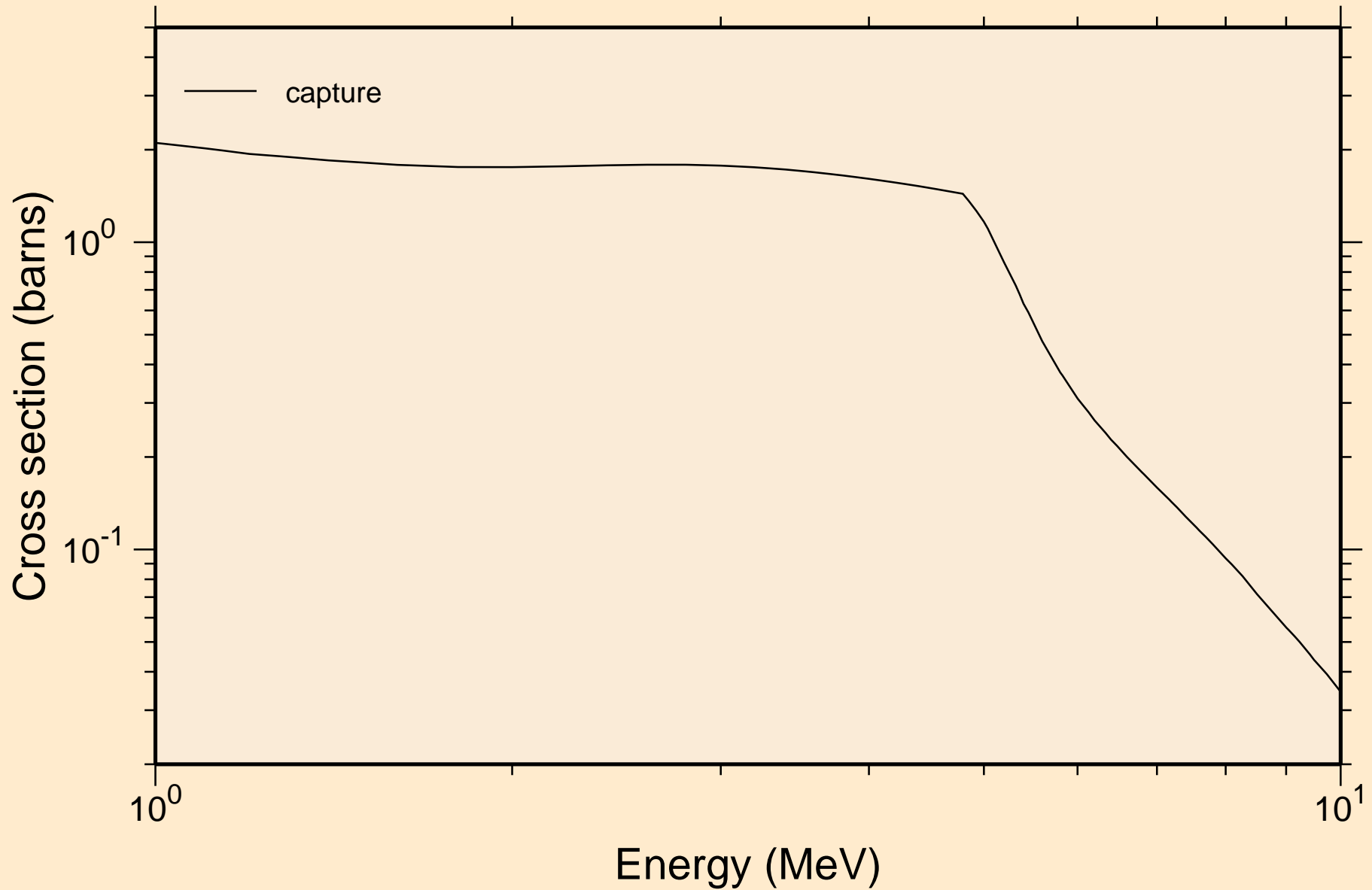
ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections

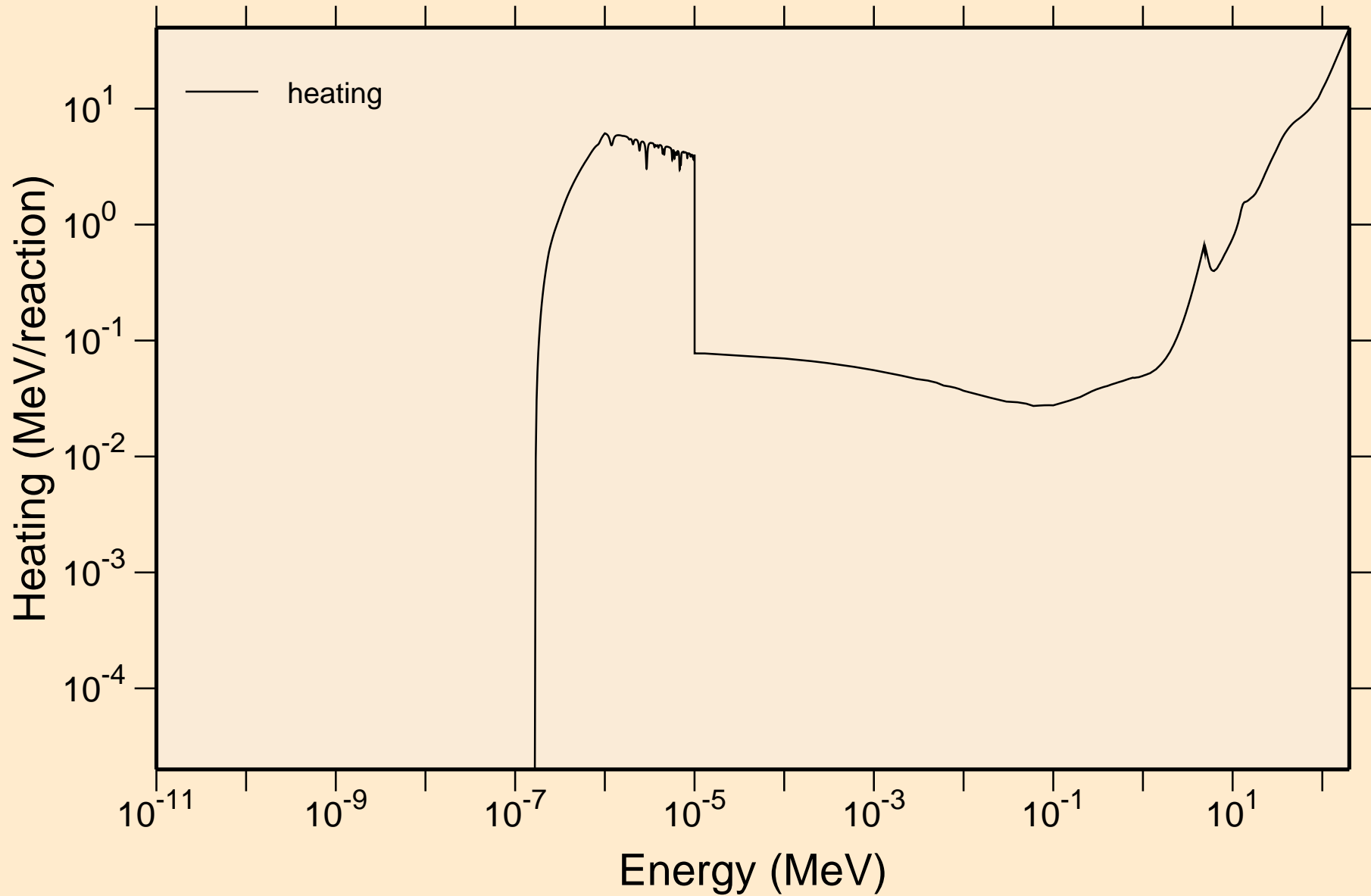


ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



# ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

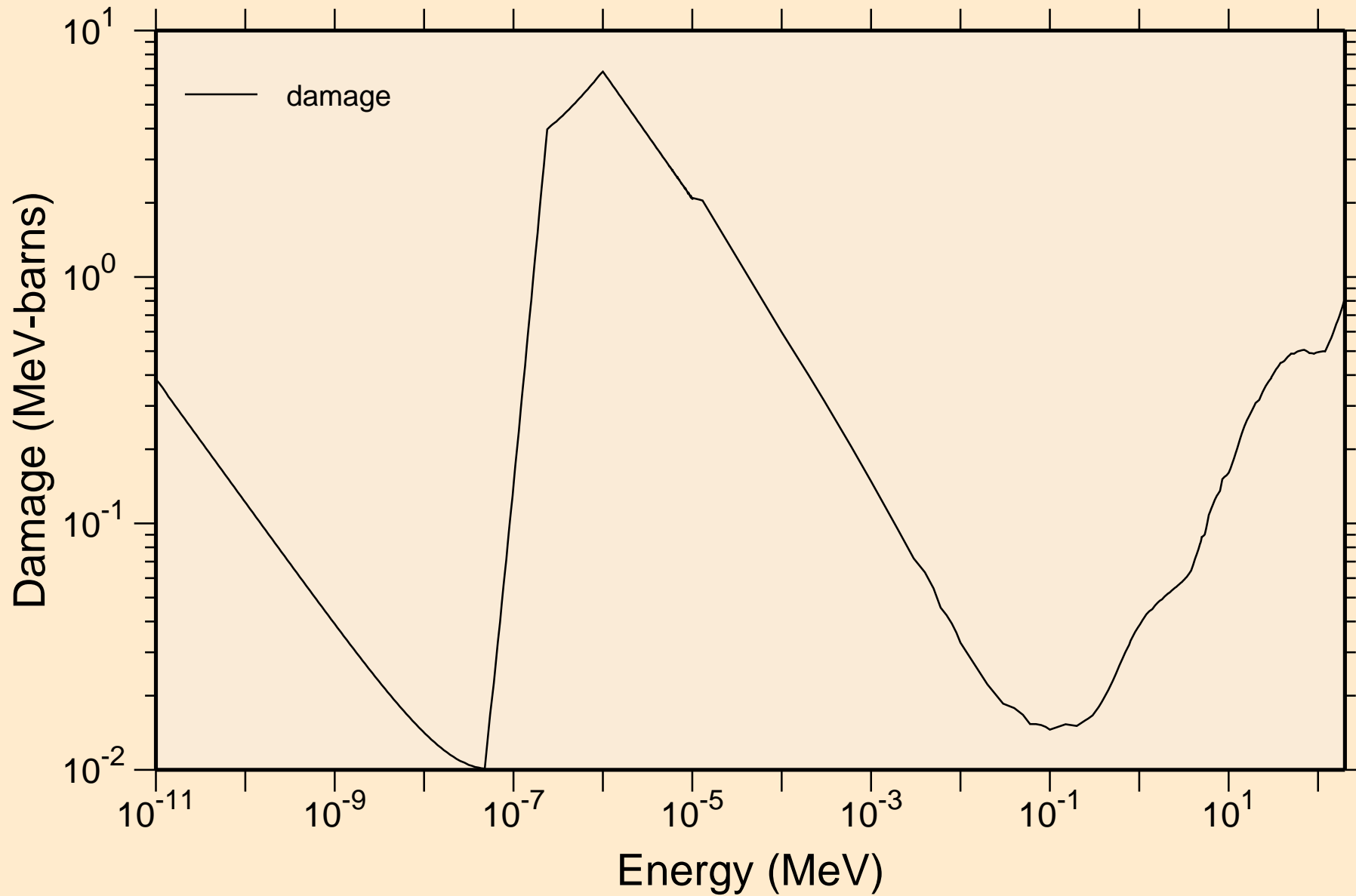
## Heating





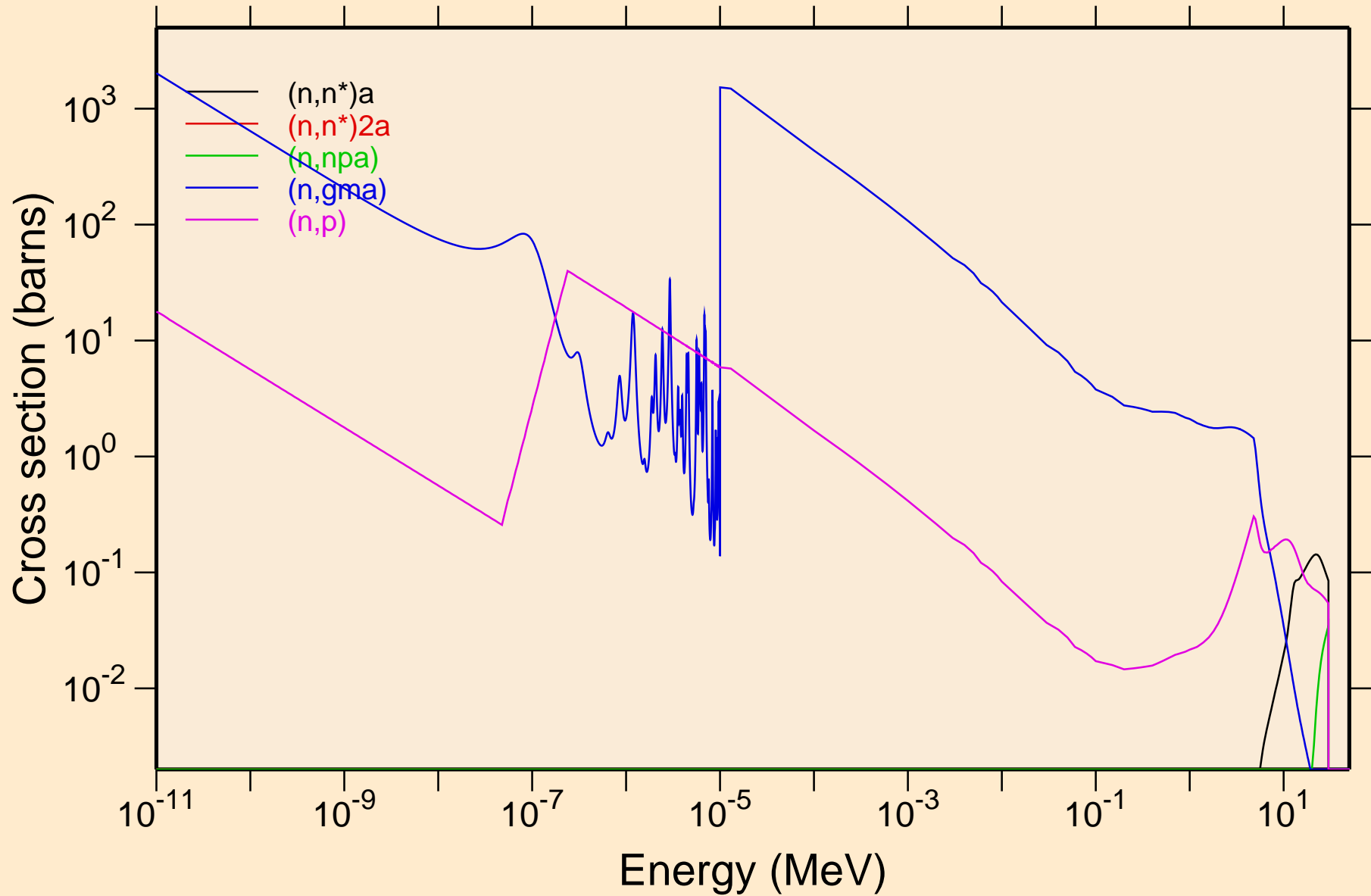
# ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Damage



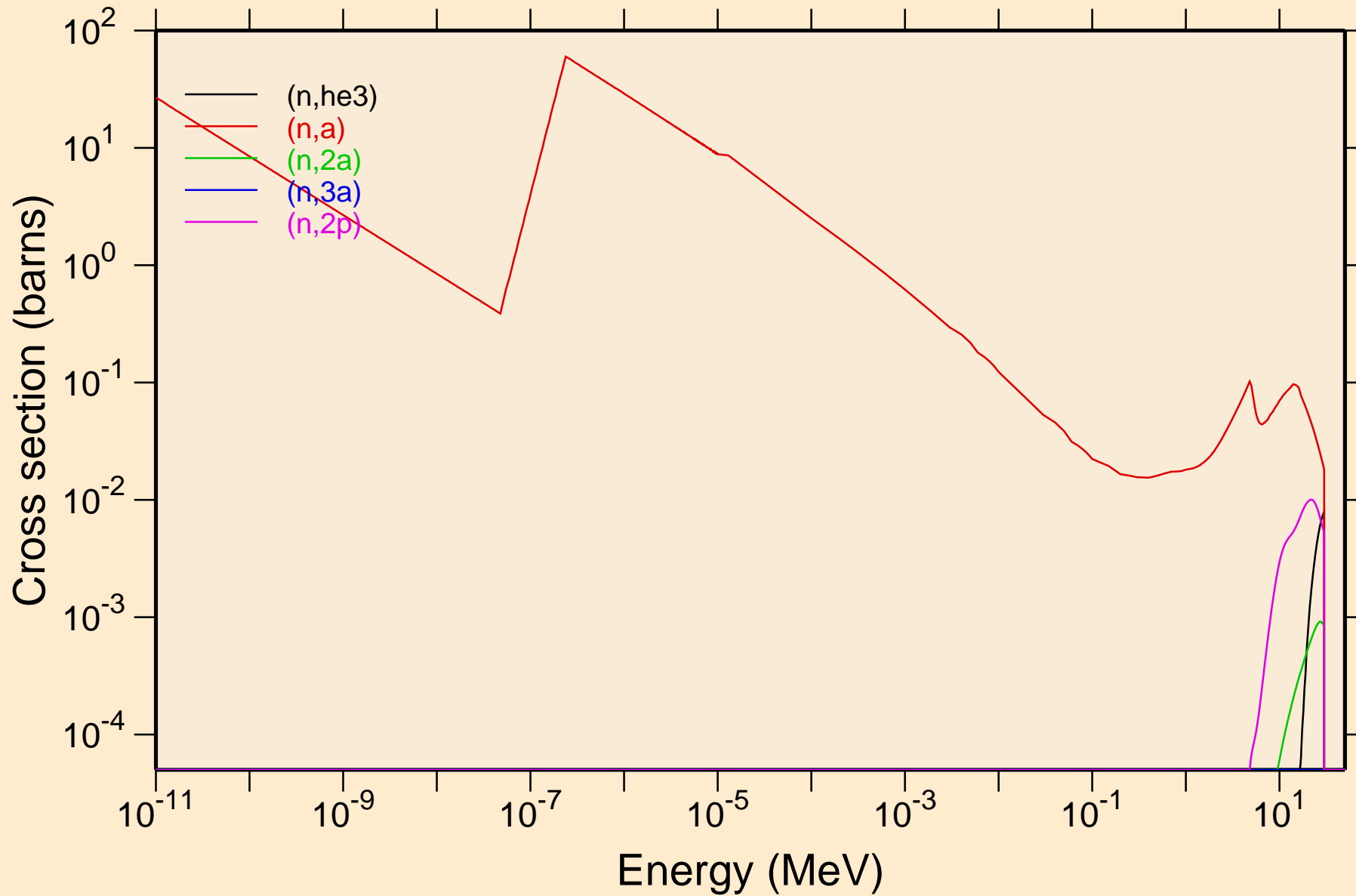
# ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Non-threshold reactions



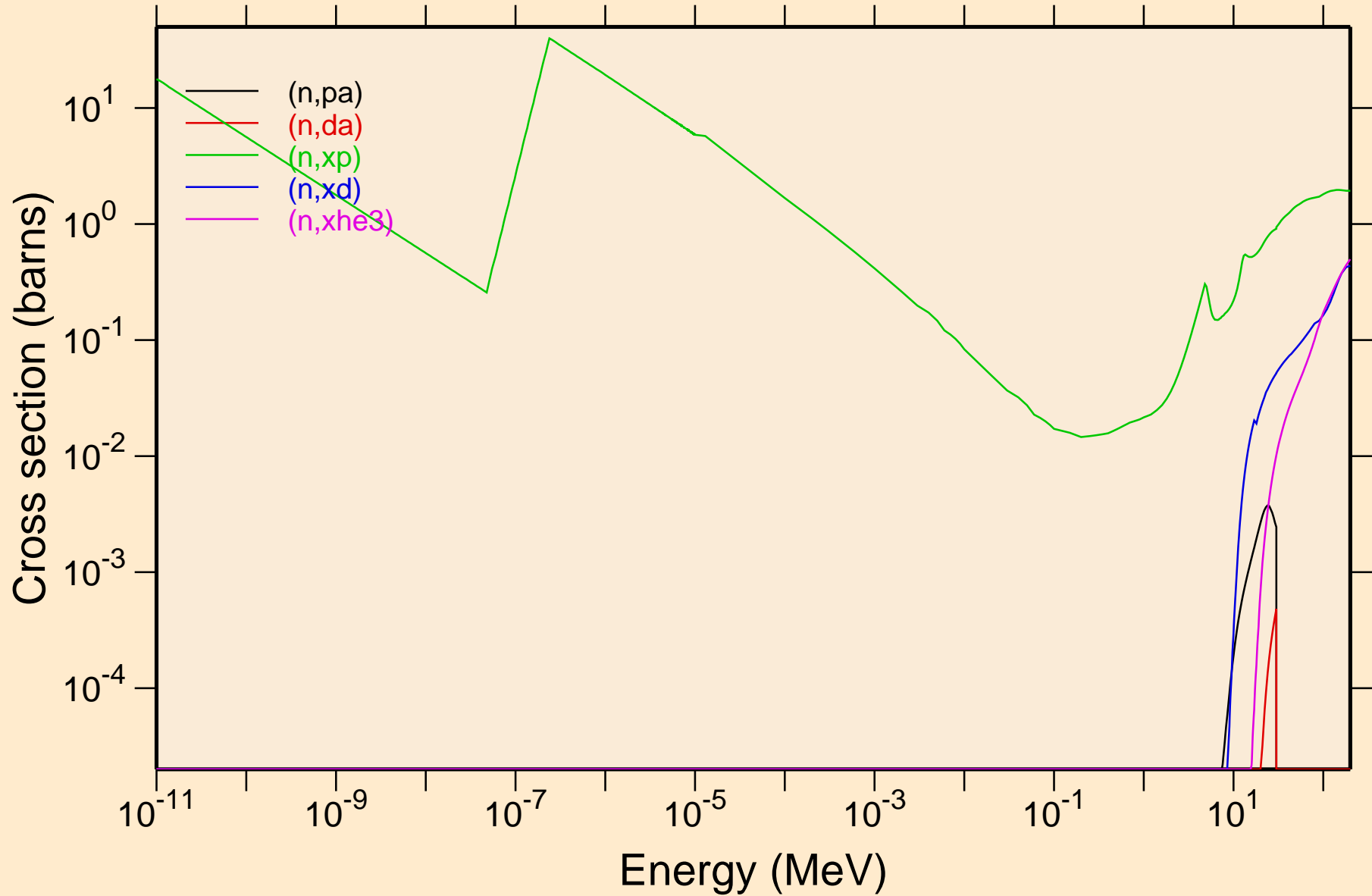
# ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Non-threshold reactions

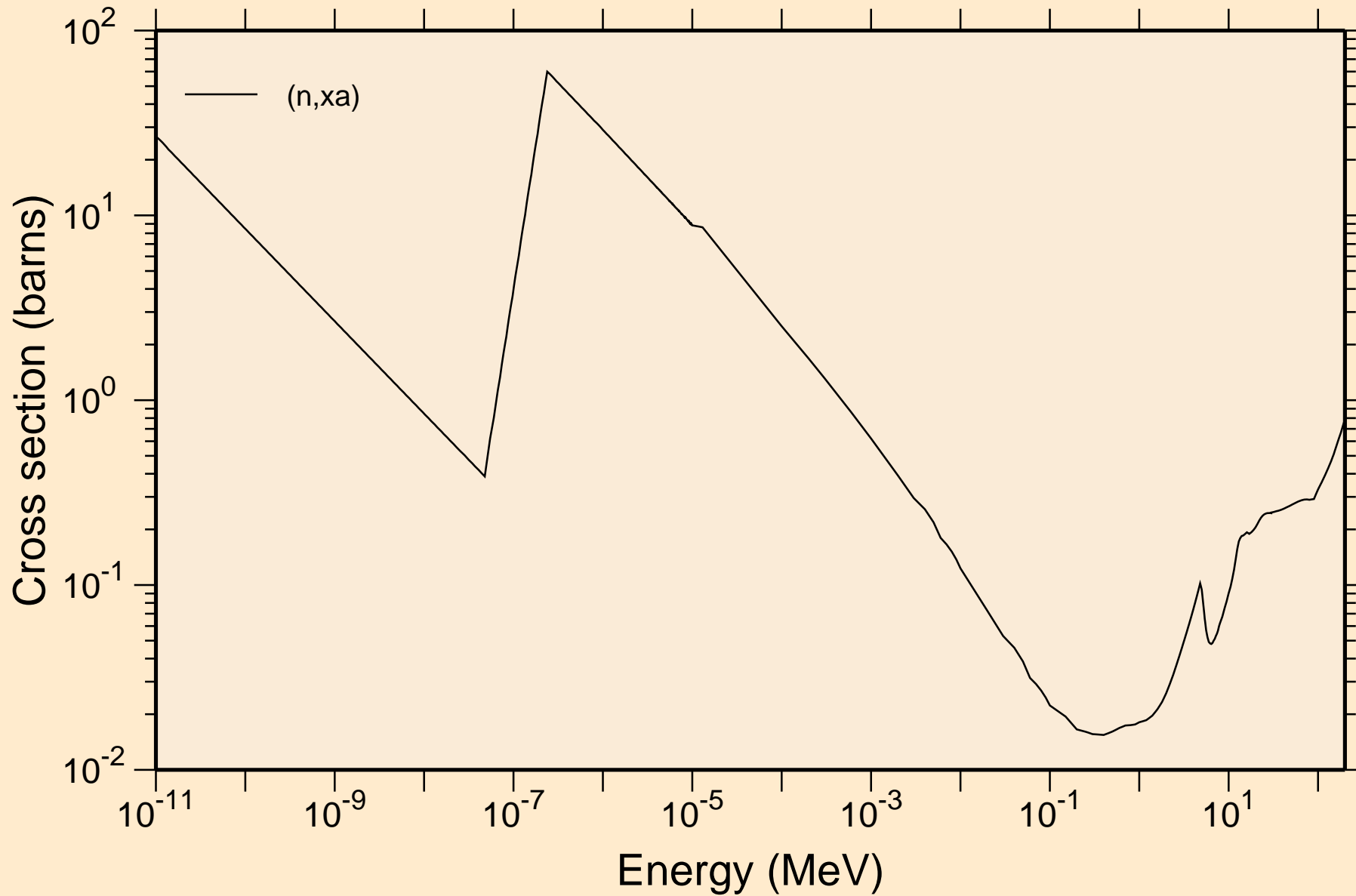


# ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Non-threshold reactions

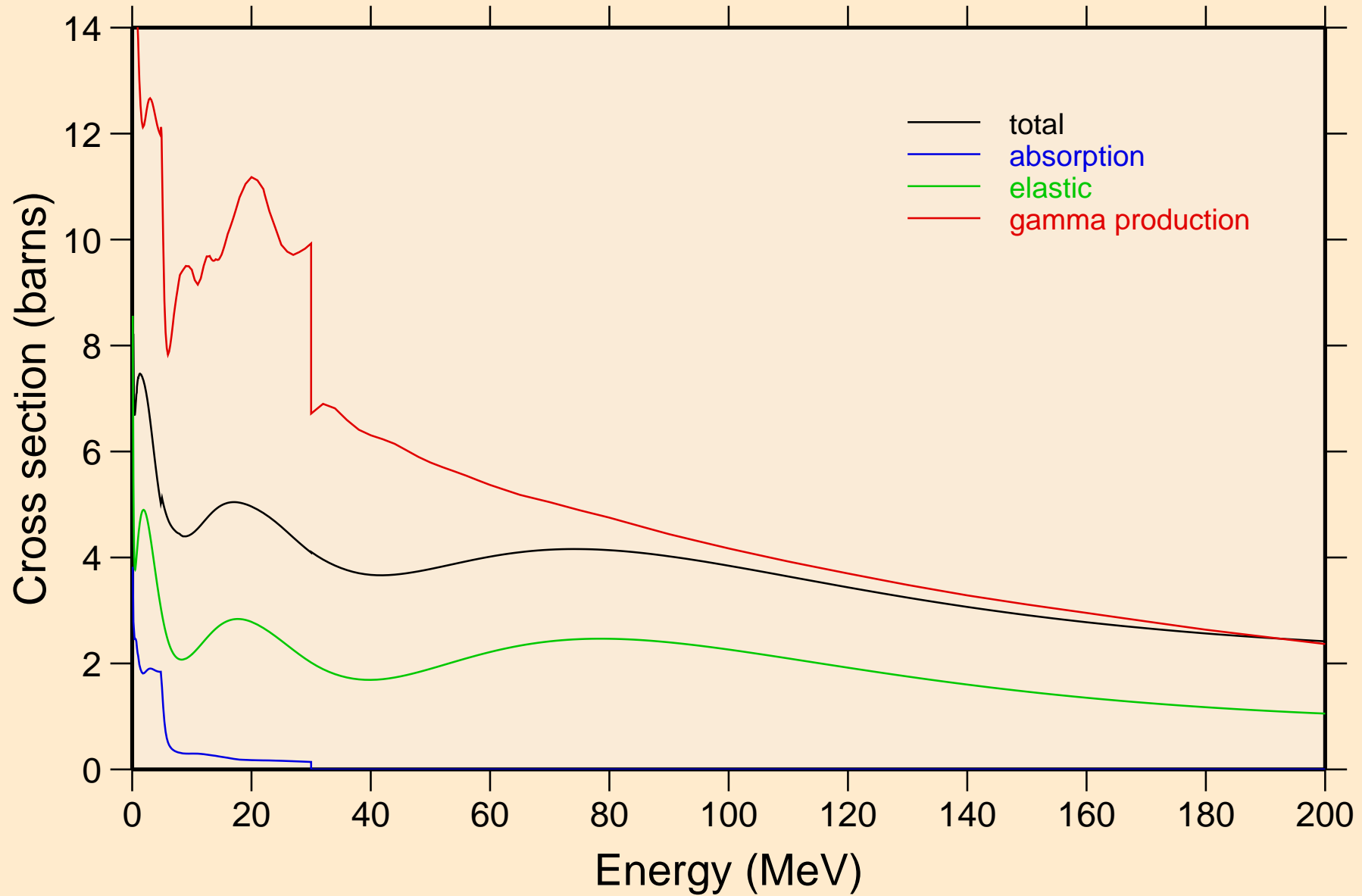


ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



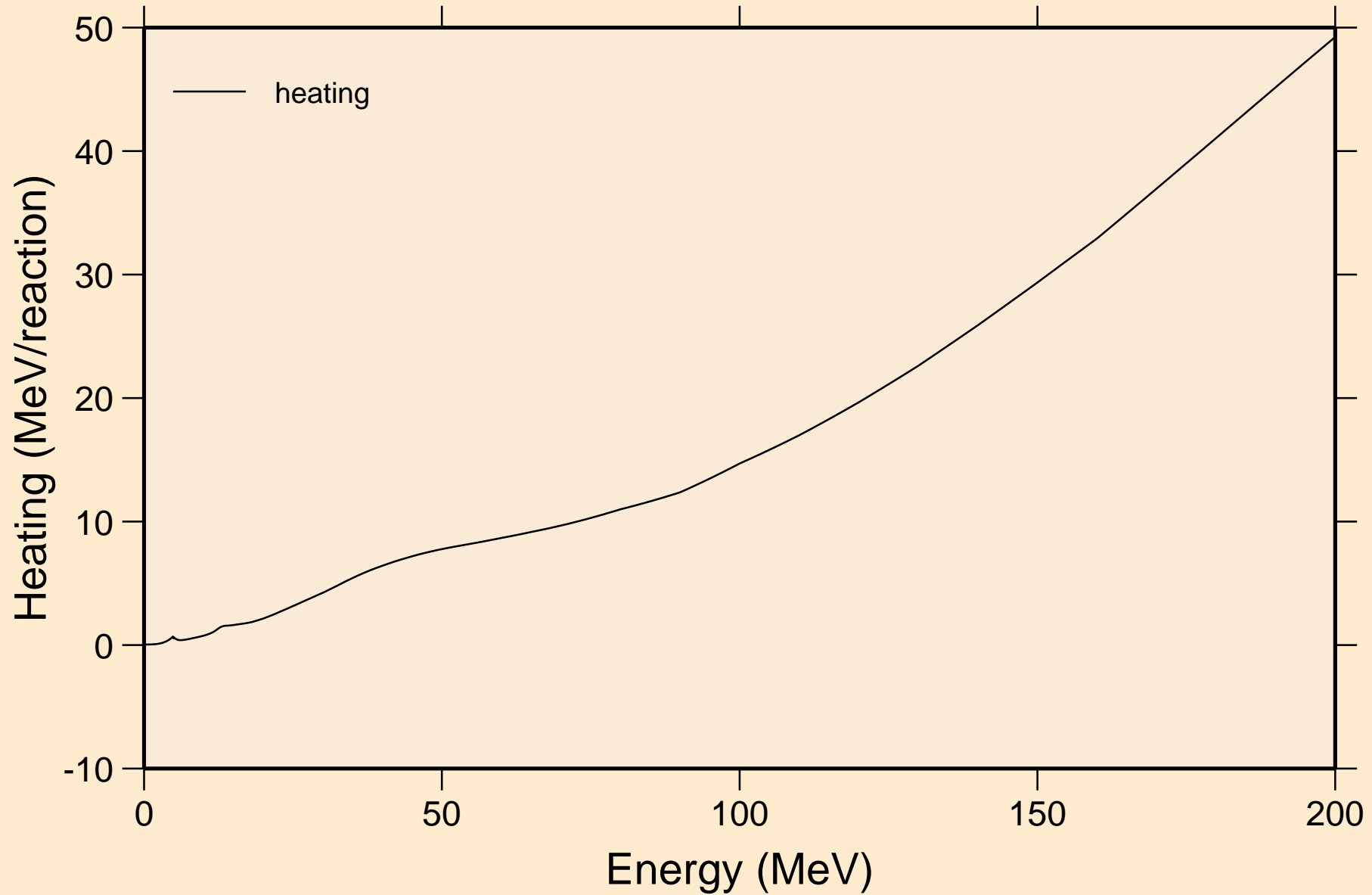
# ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections

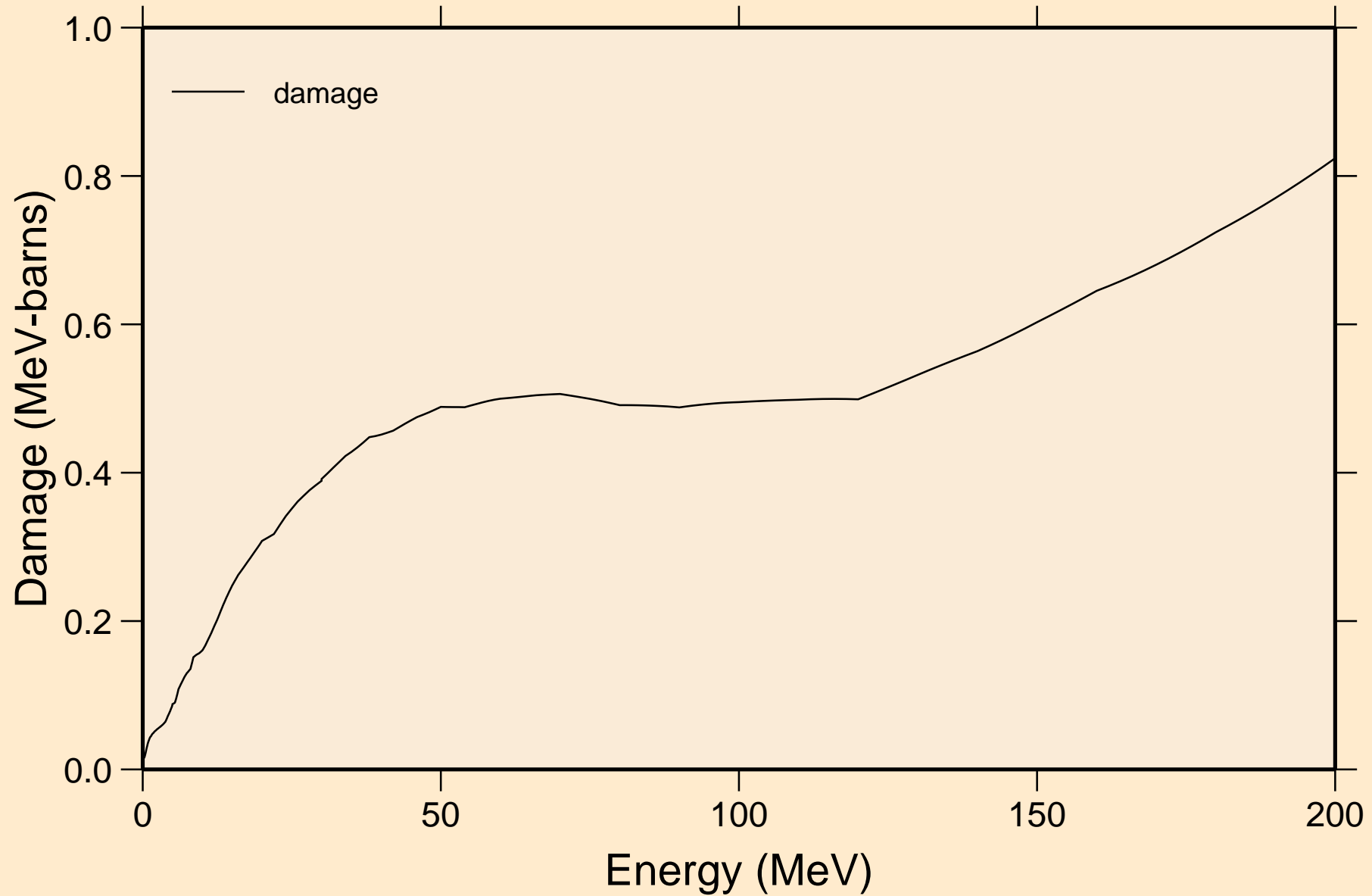


# ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Heating



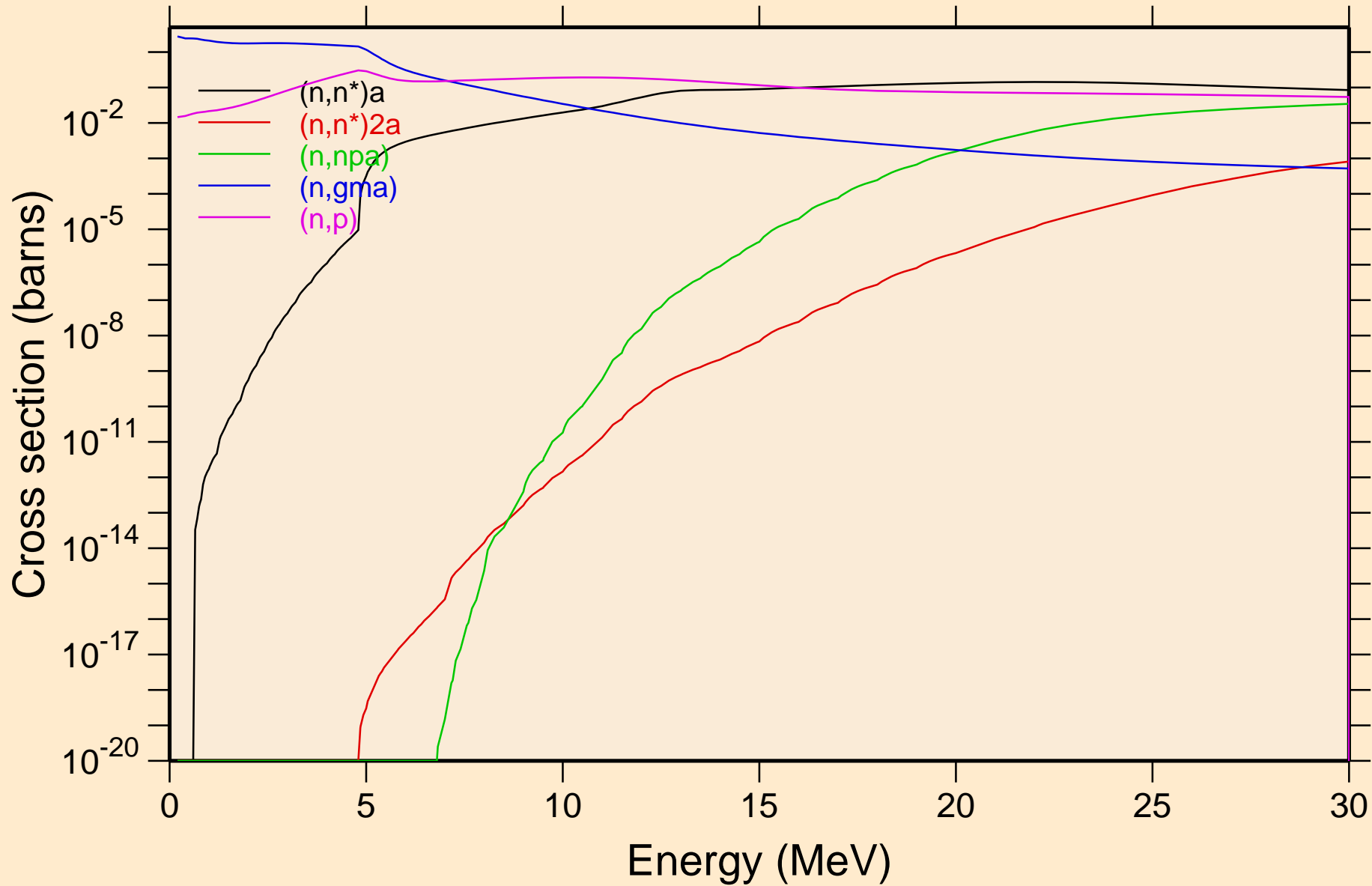
ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Damage



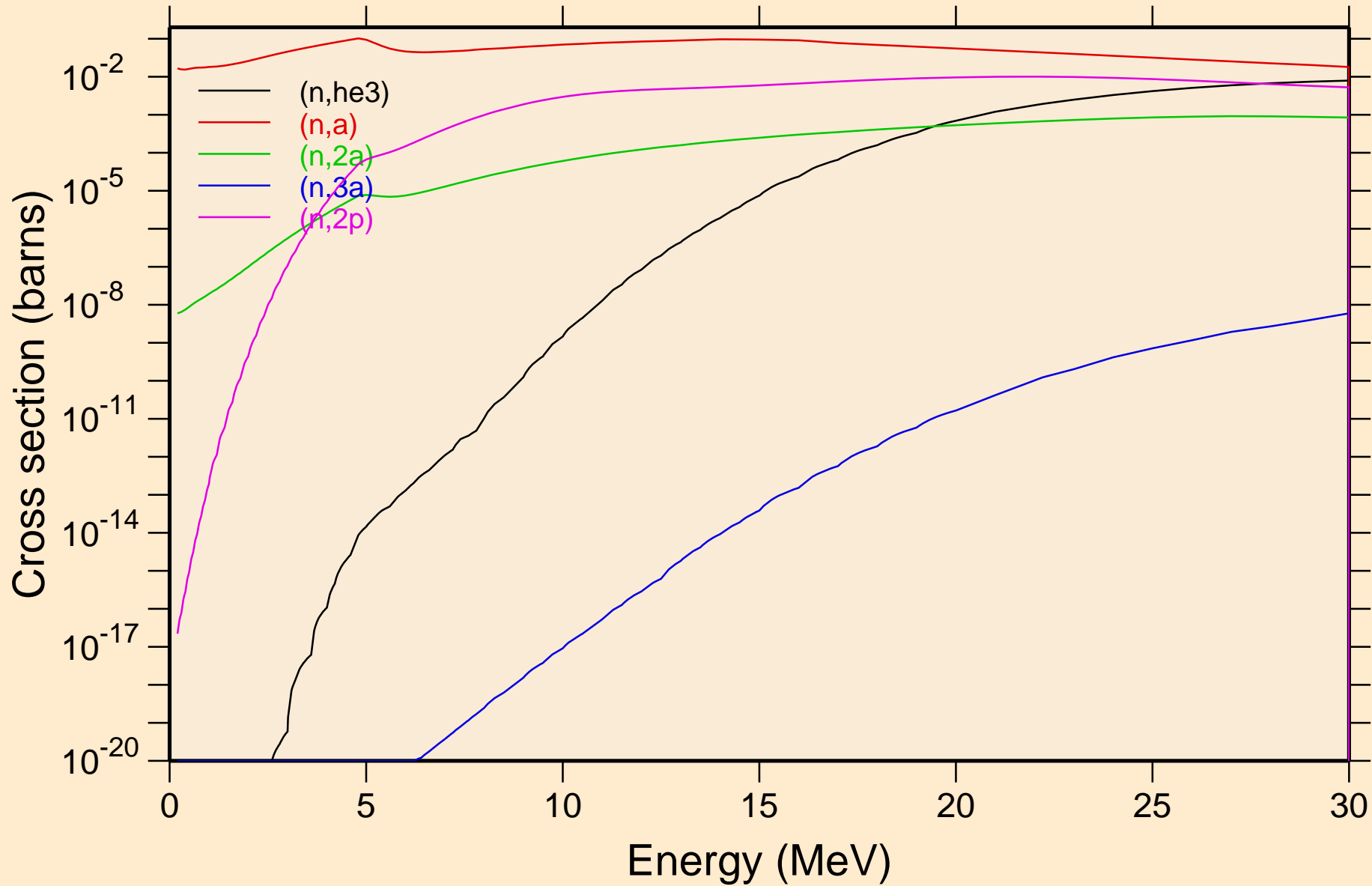


# ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Non-threshold reactions

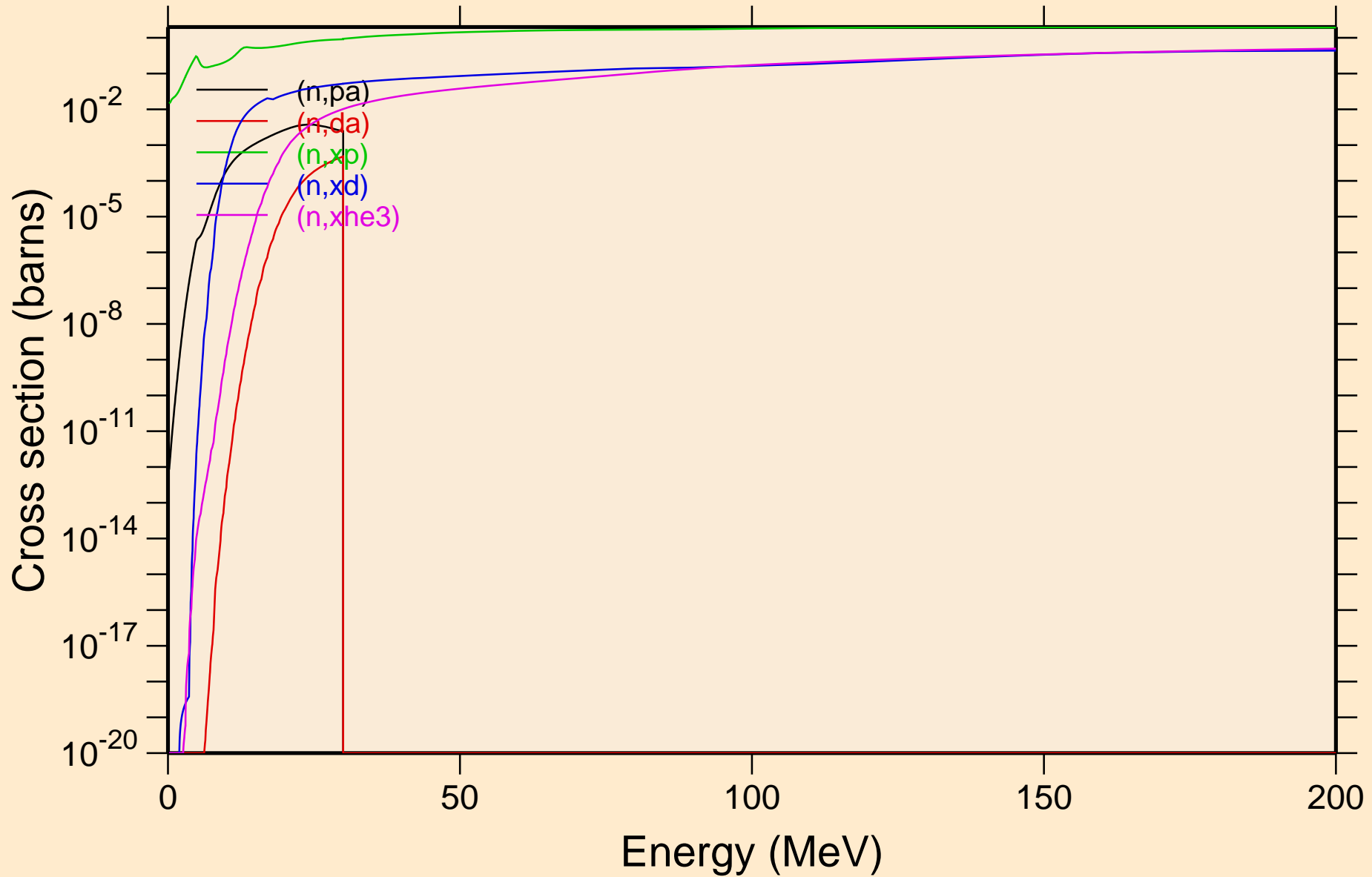


ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions

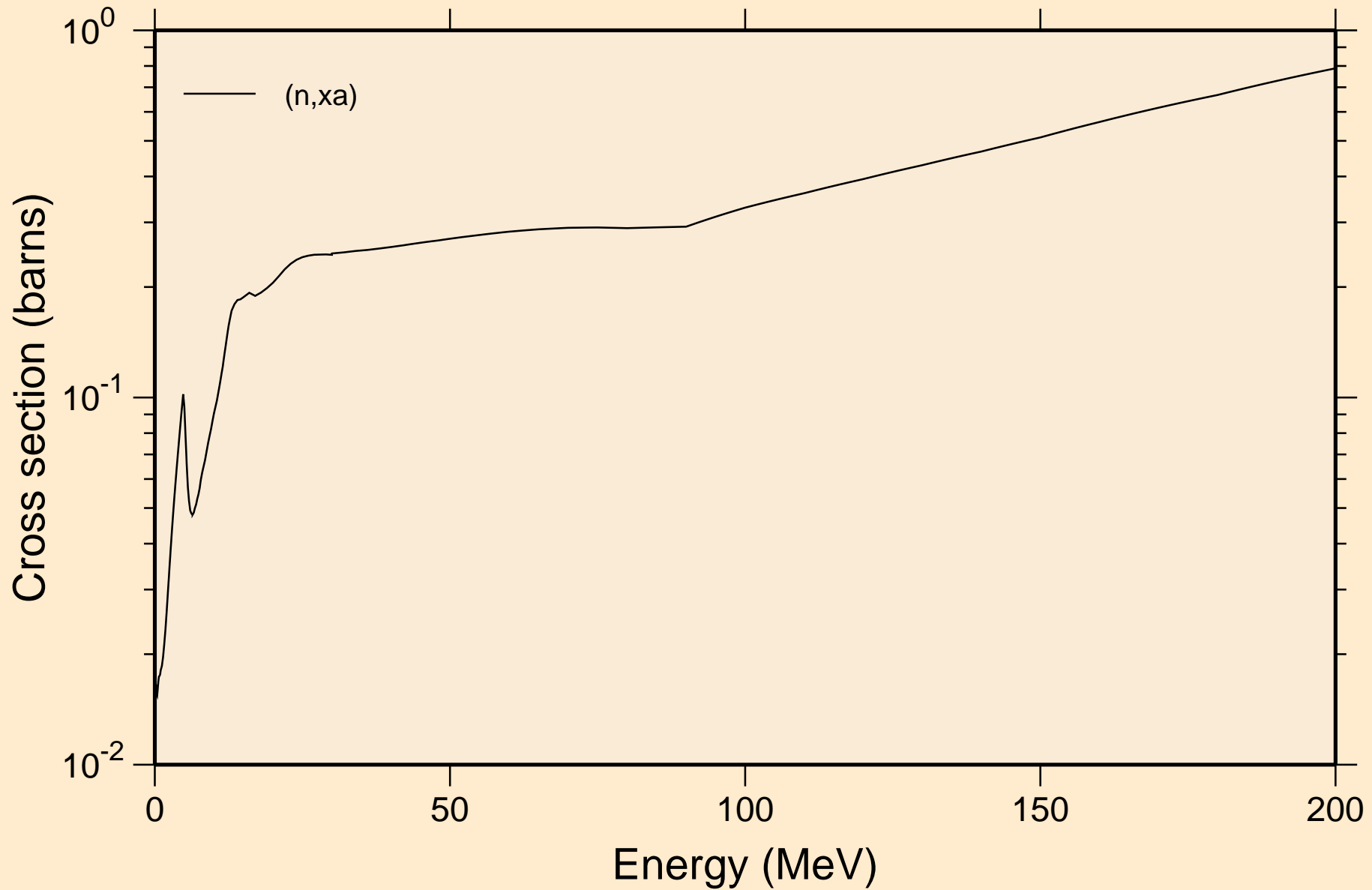


# ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

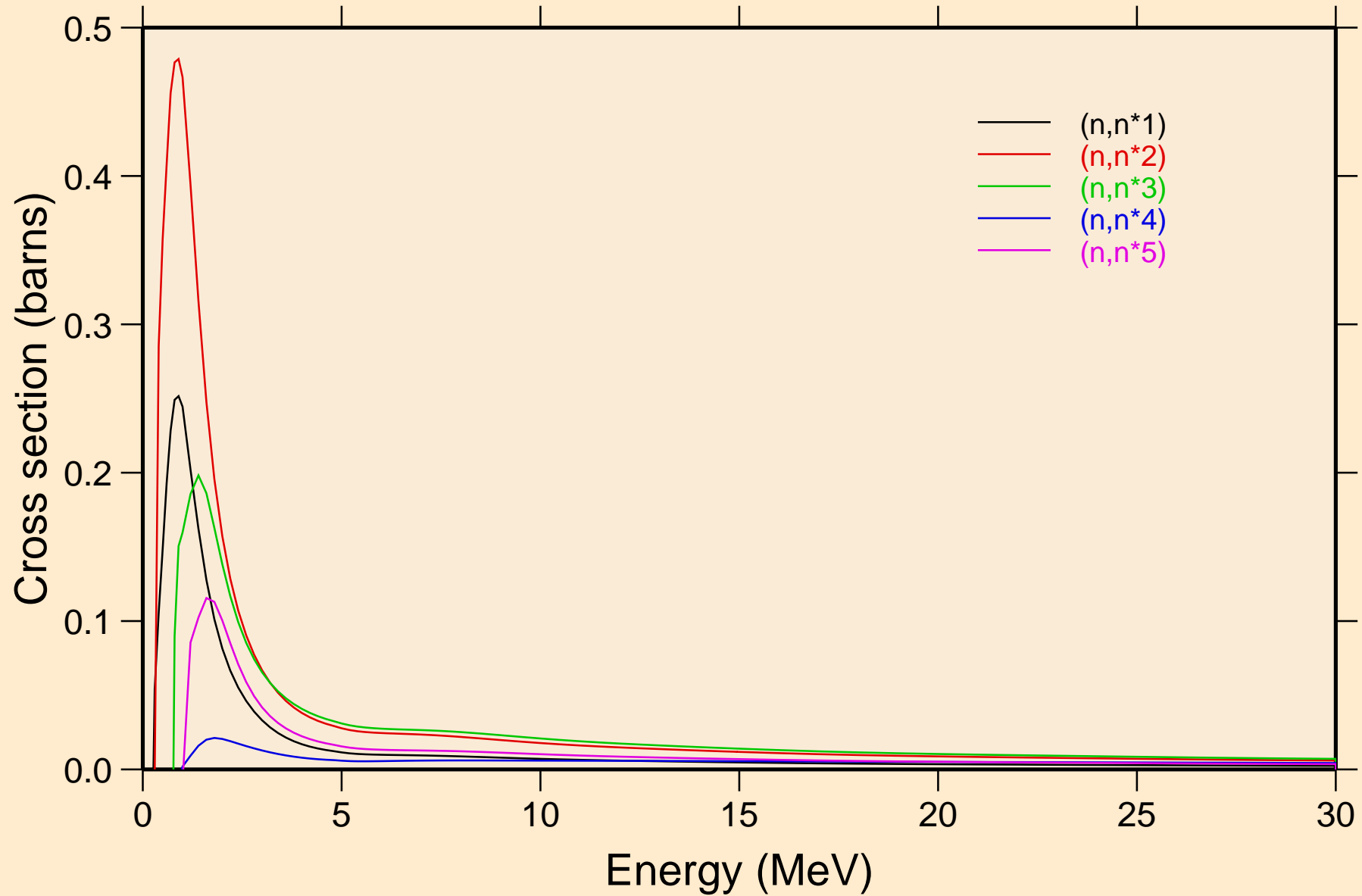
## Non-threshold reactions



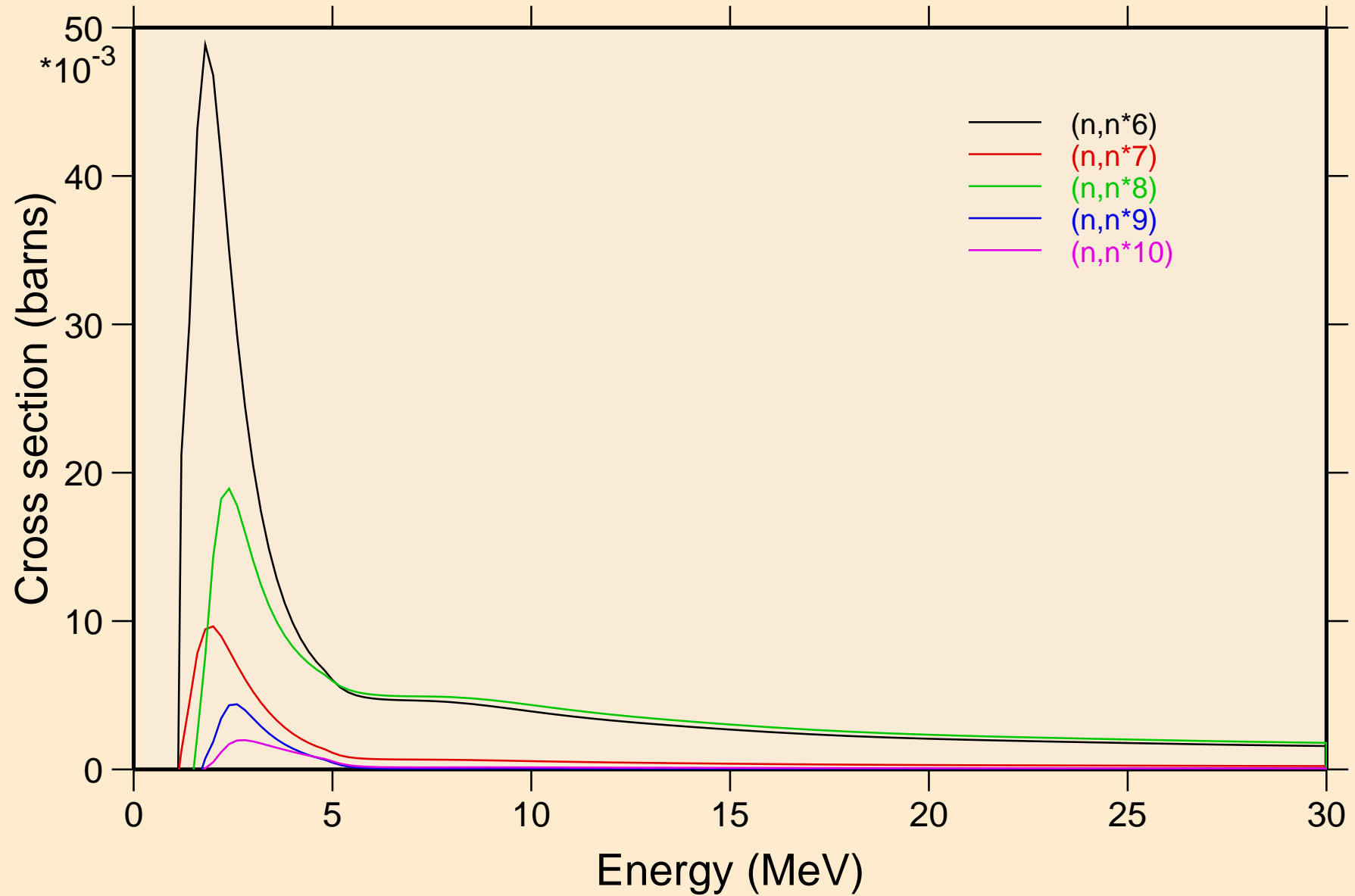
ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



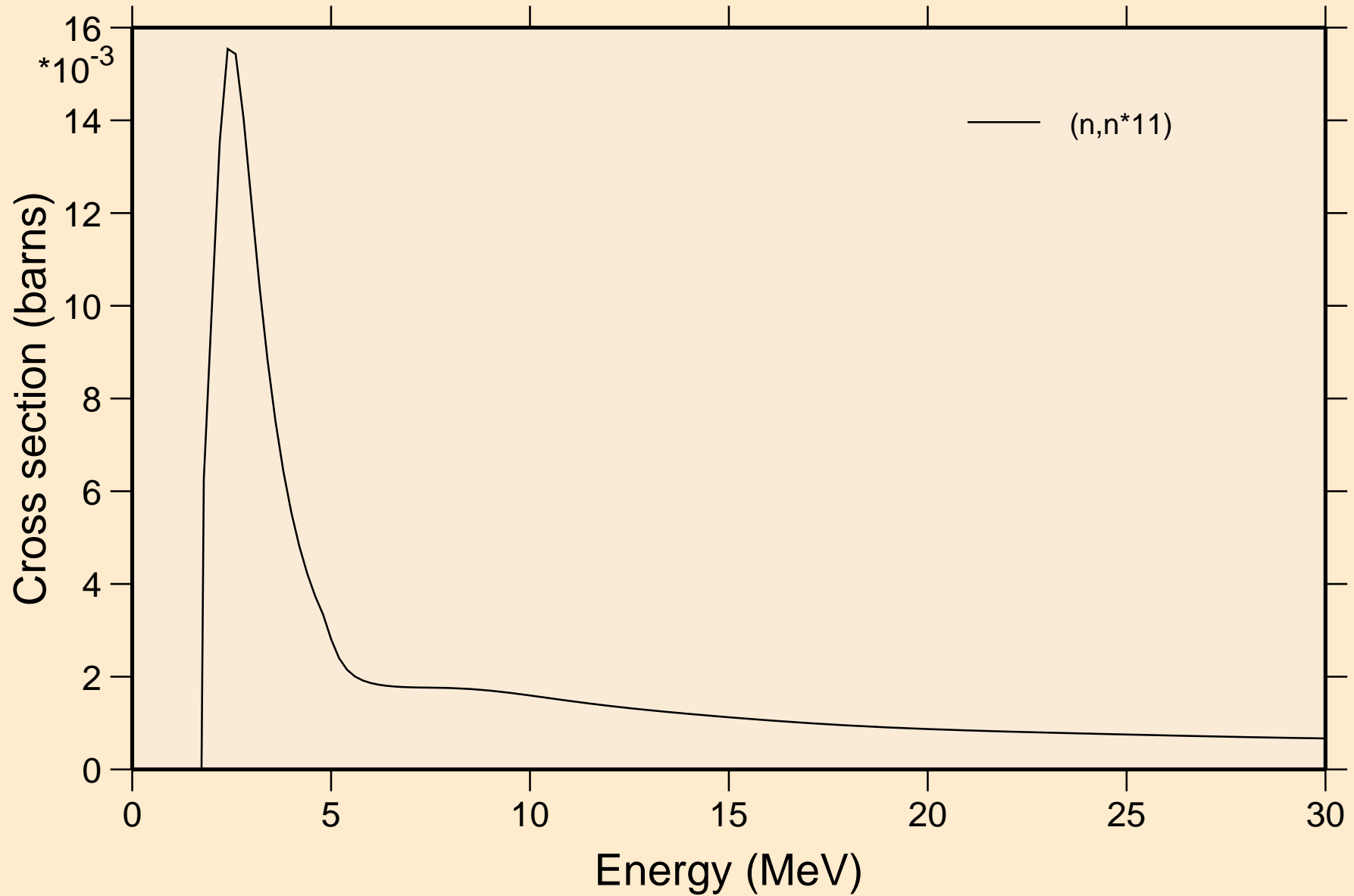
ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels

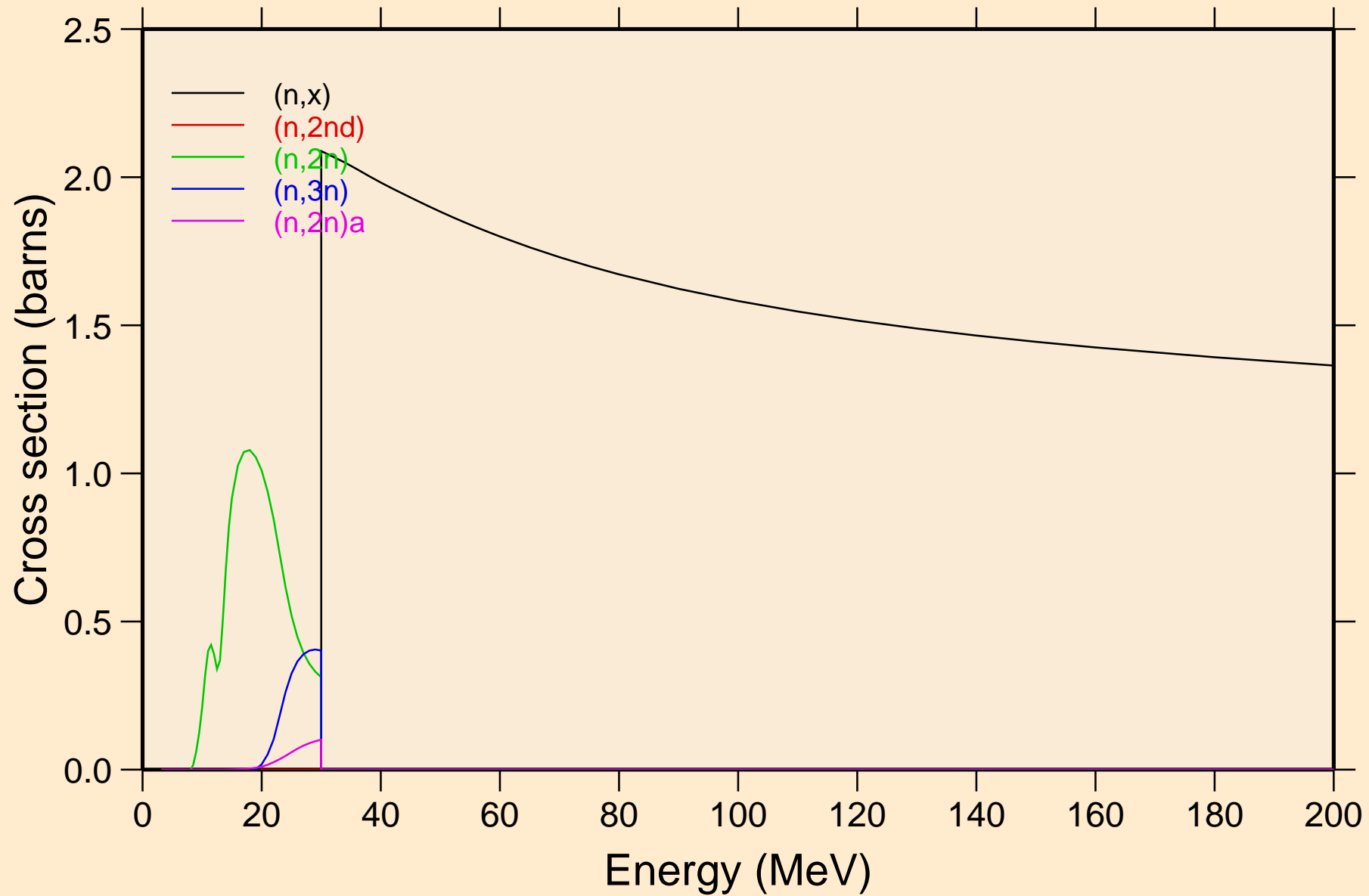


ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



# ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

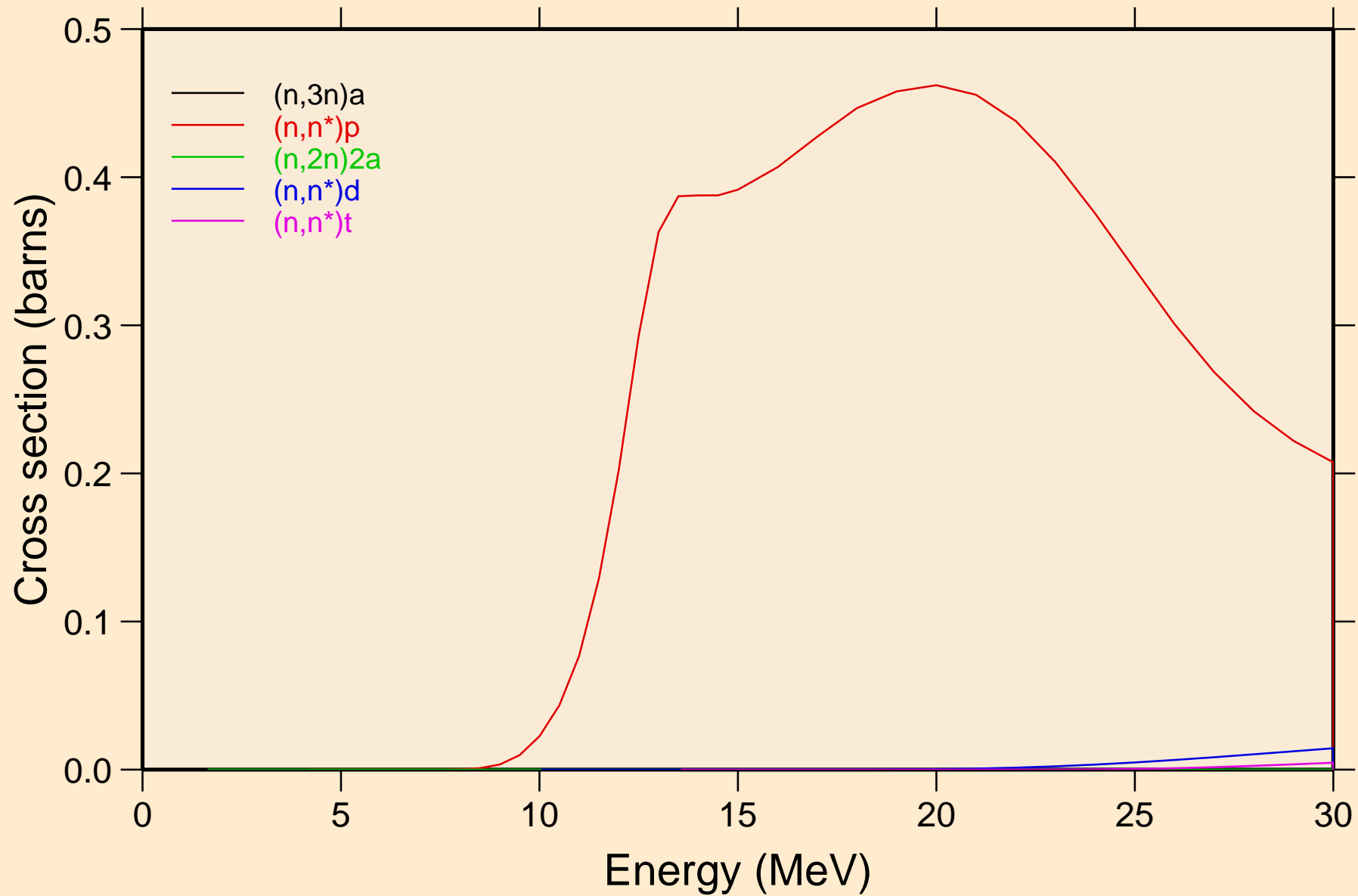
## Threshold reactions





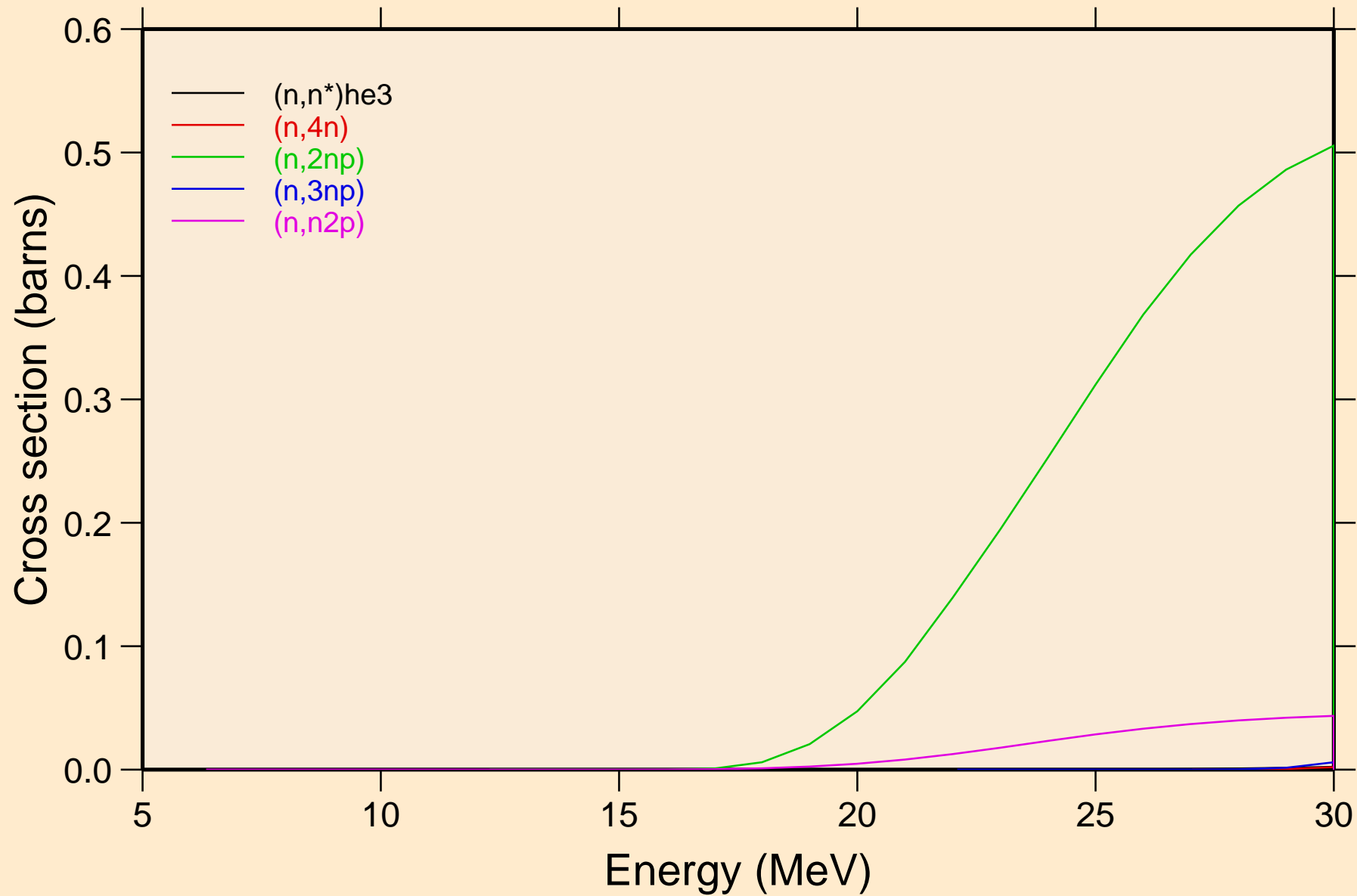
# ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions



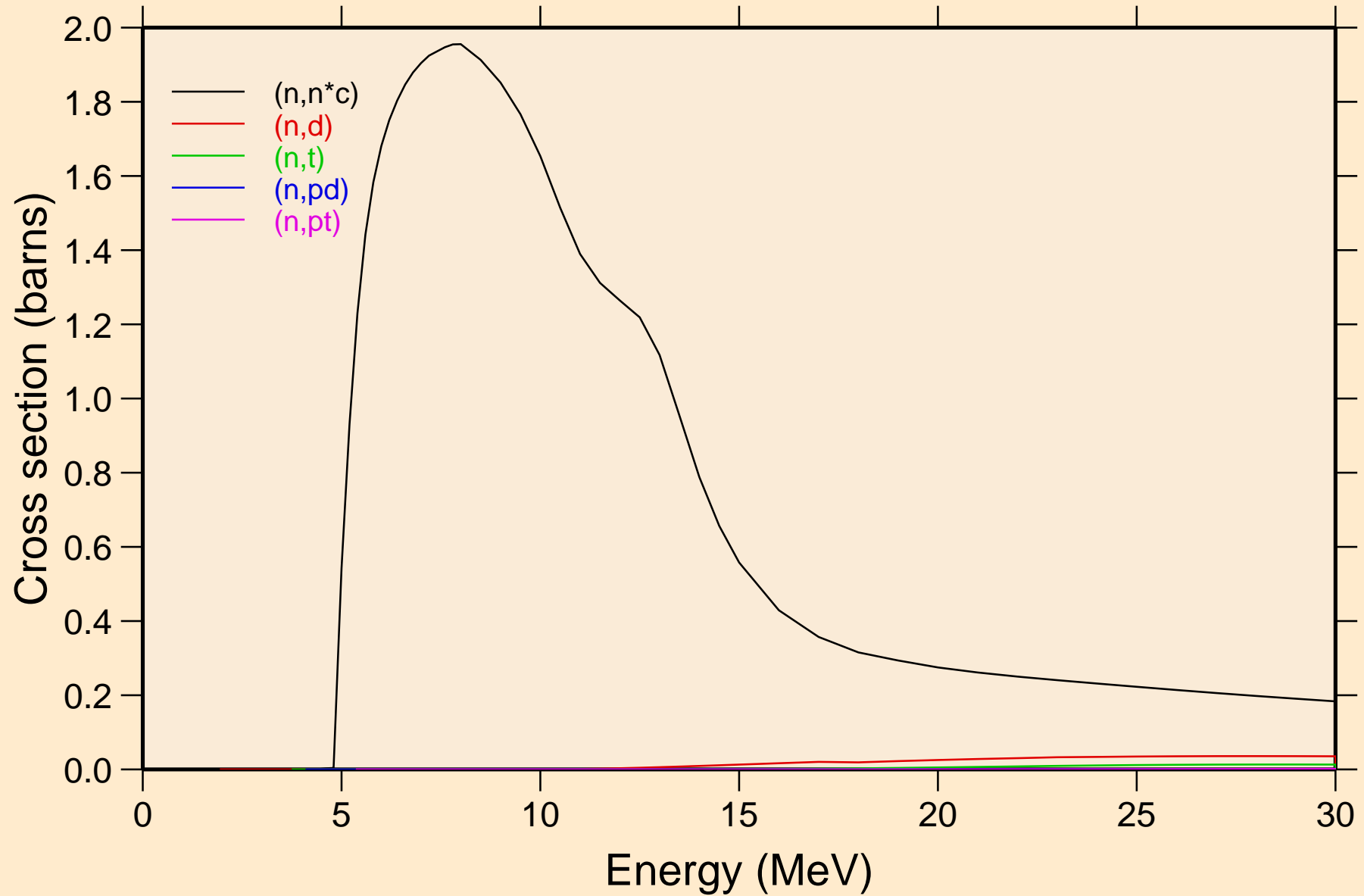
# ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions

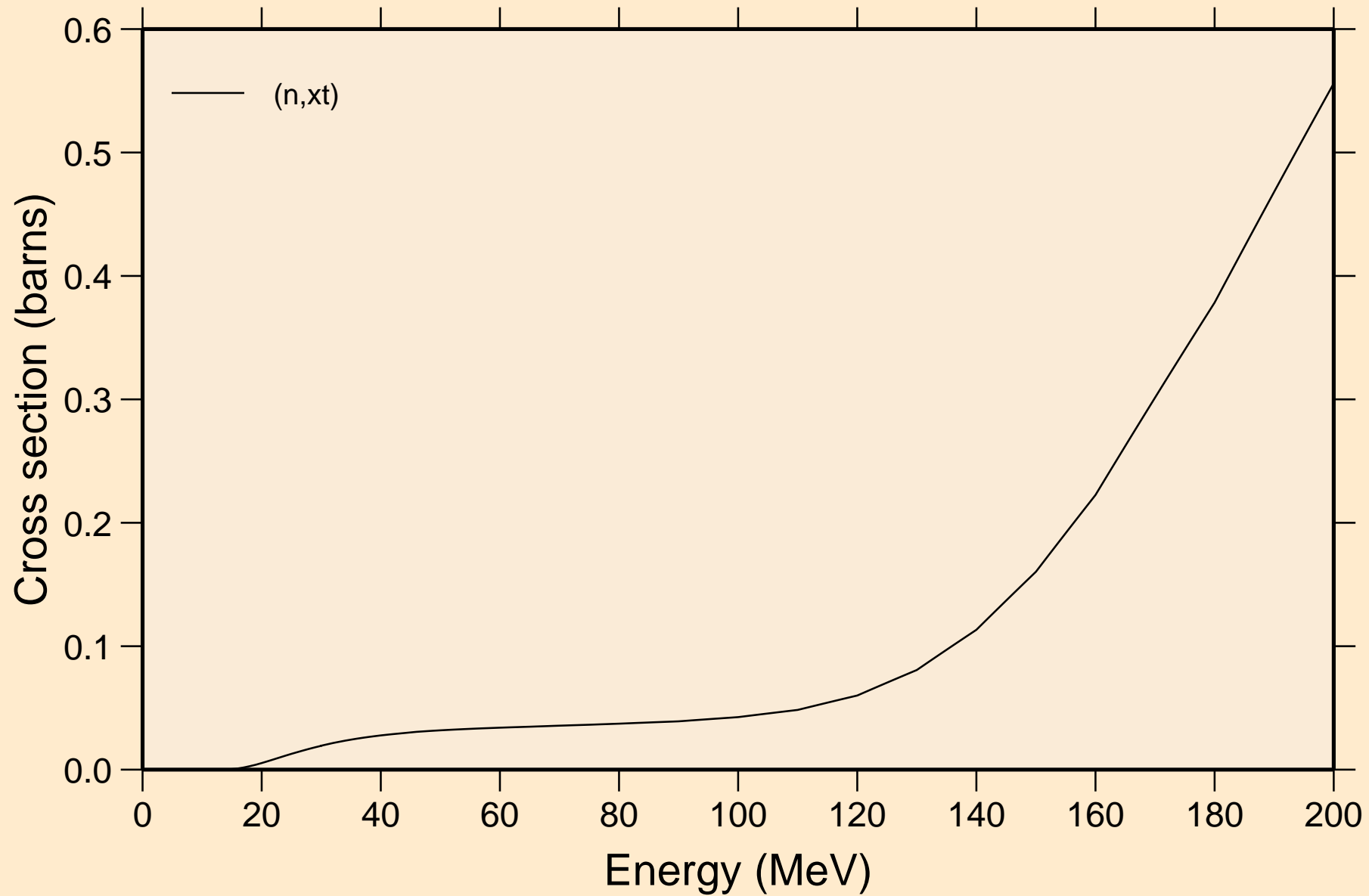


# ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

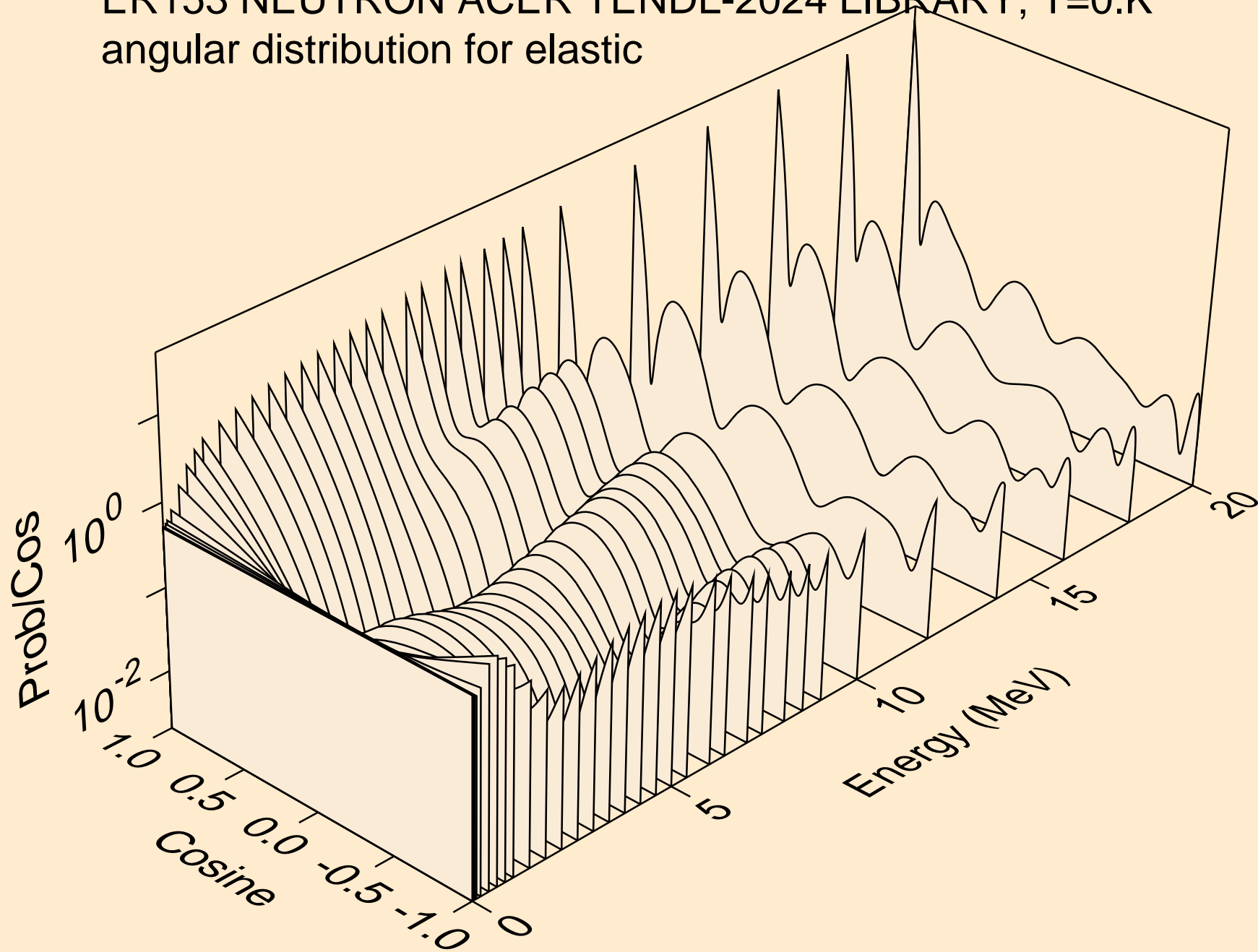
## Threshold reactions



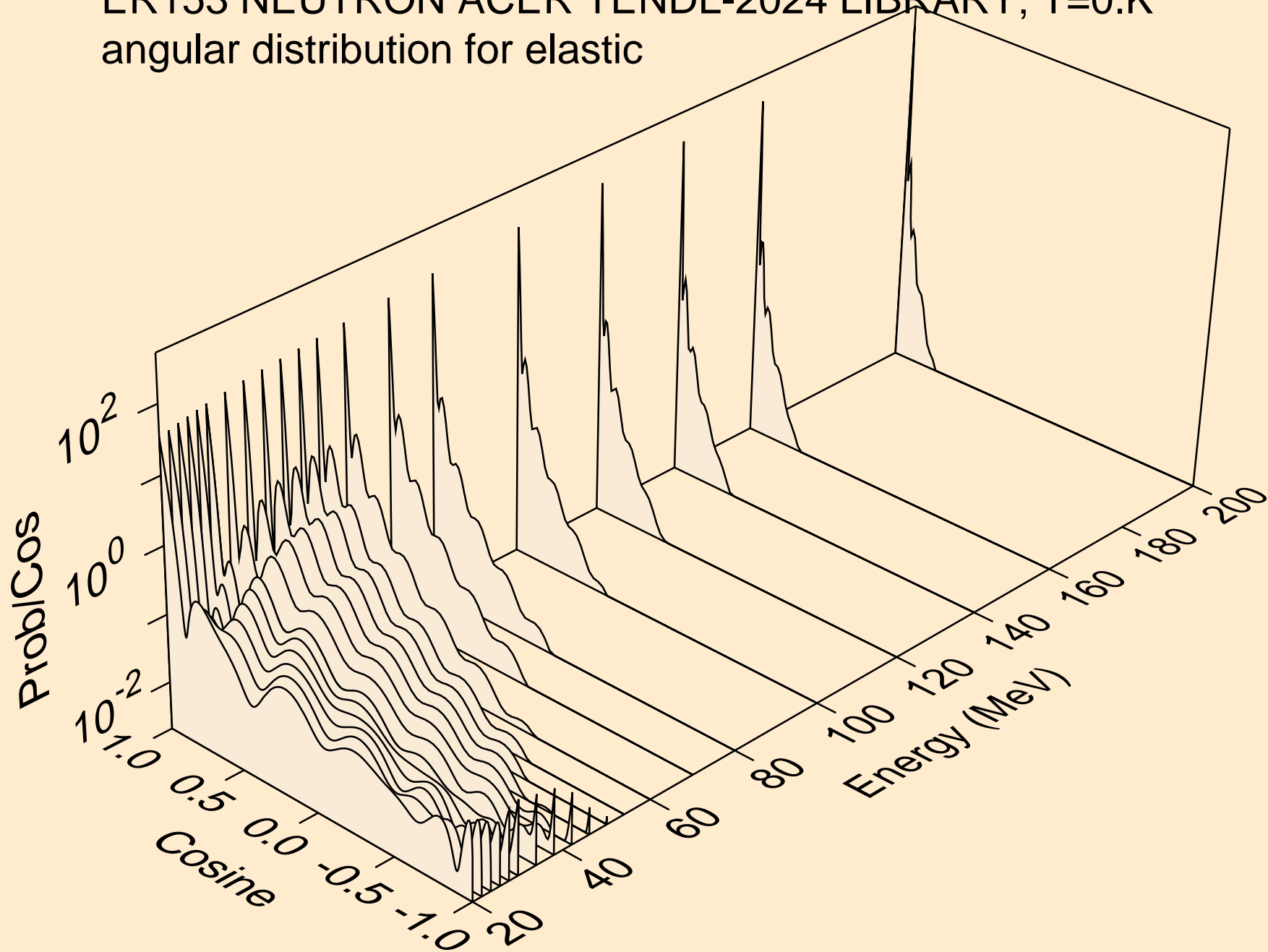
ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



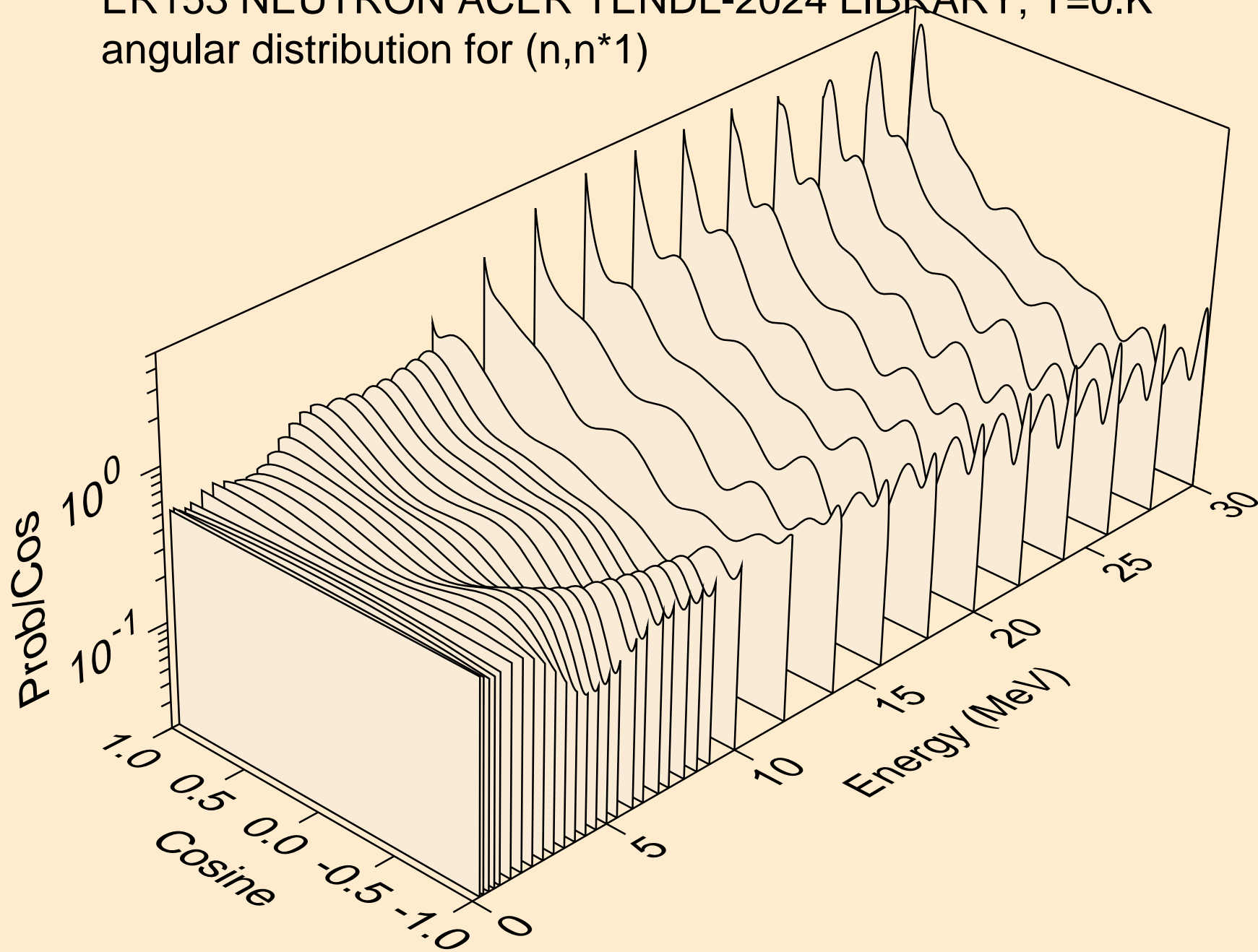
ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



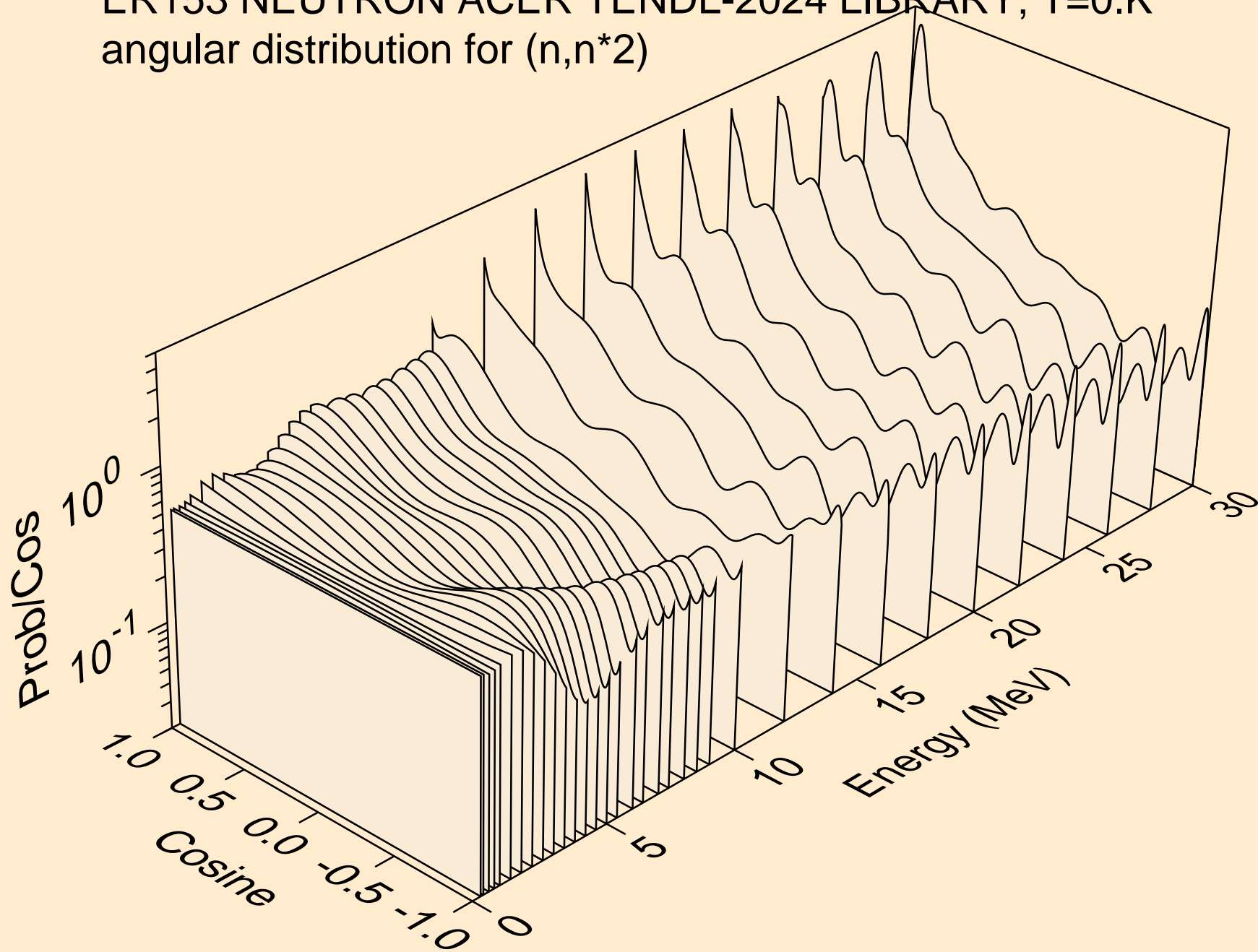
ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*1)

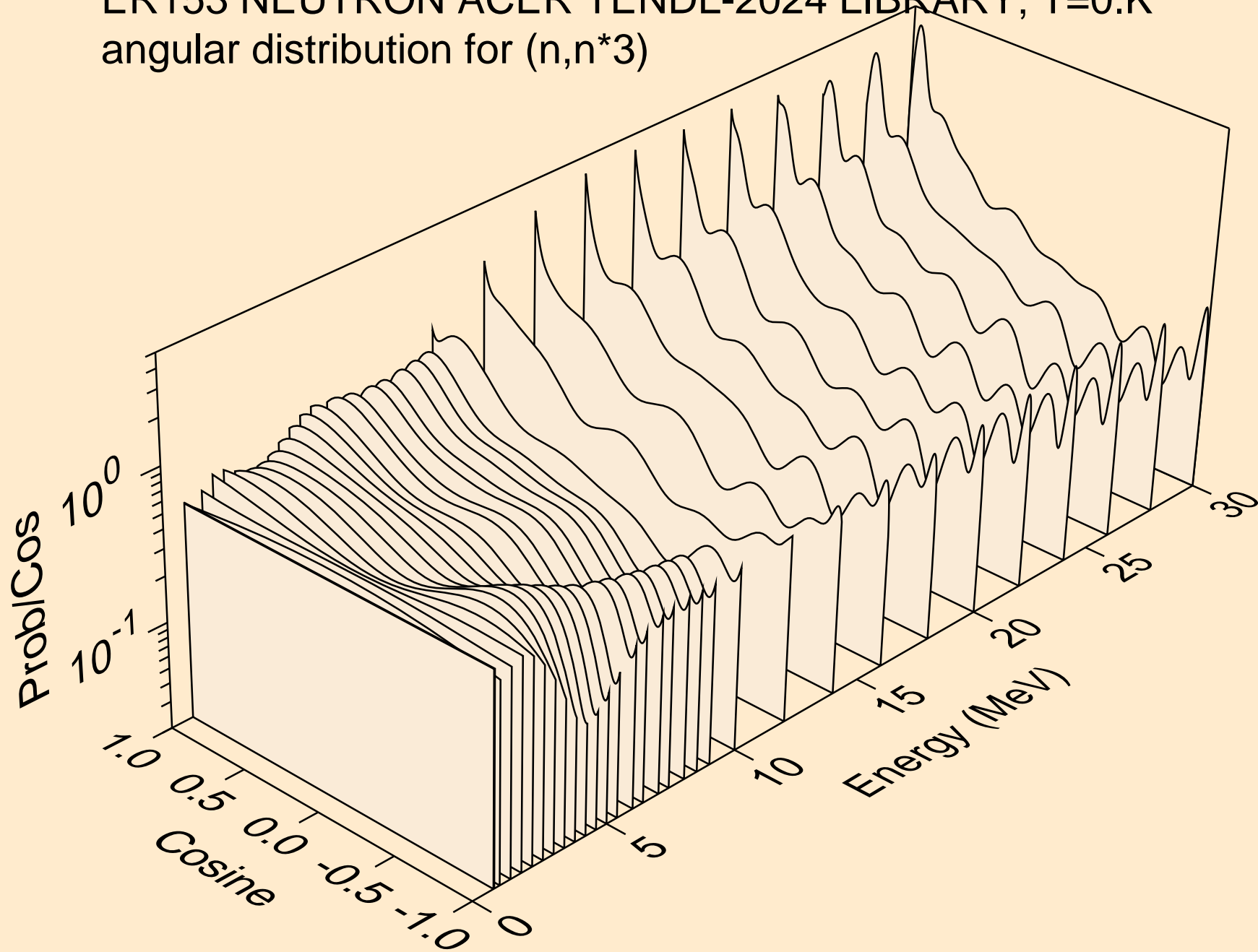


ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*2)

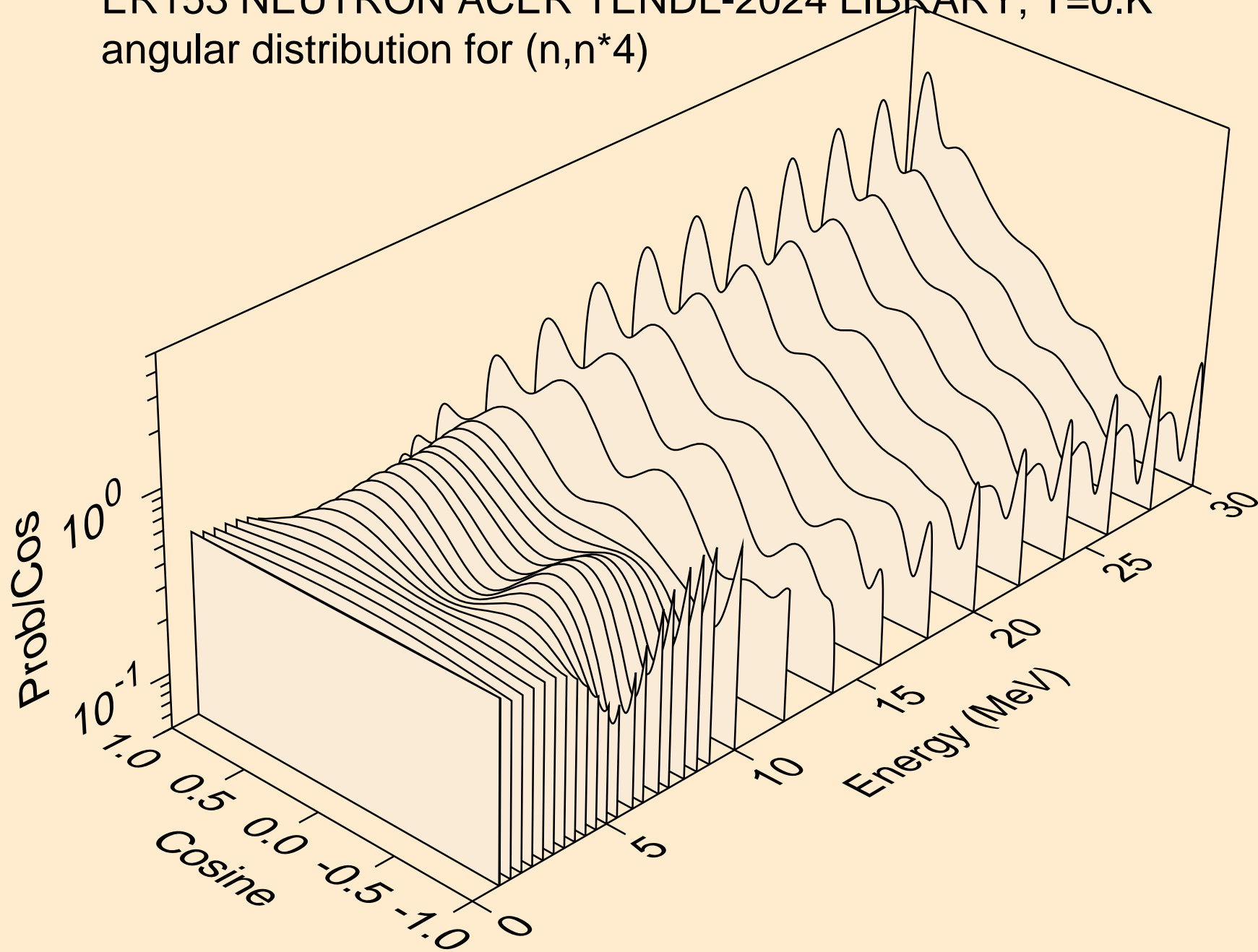




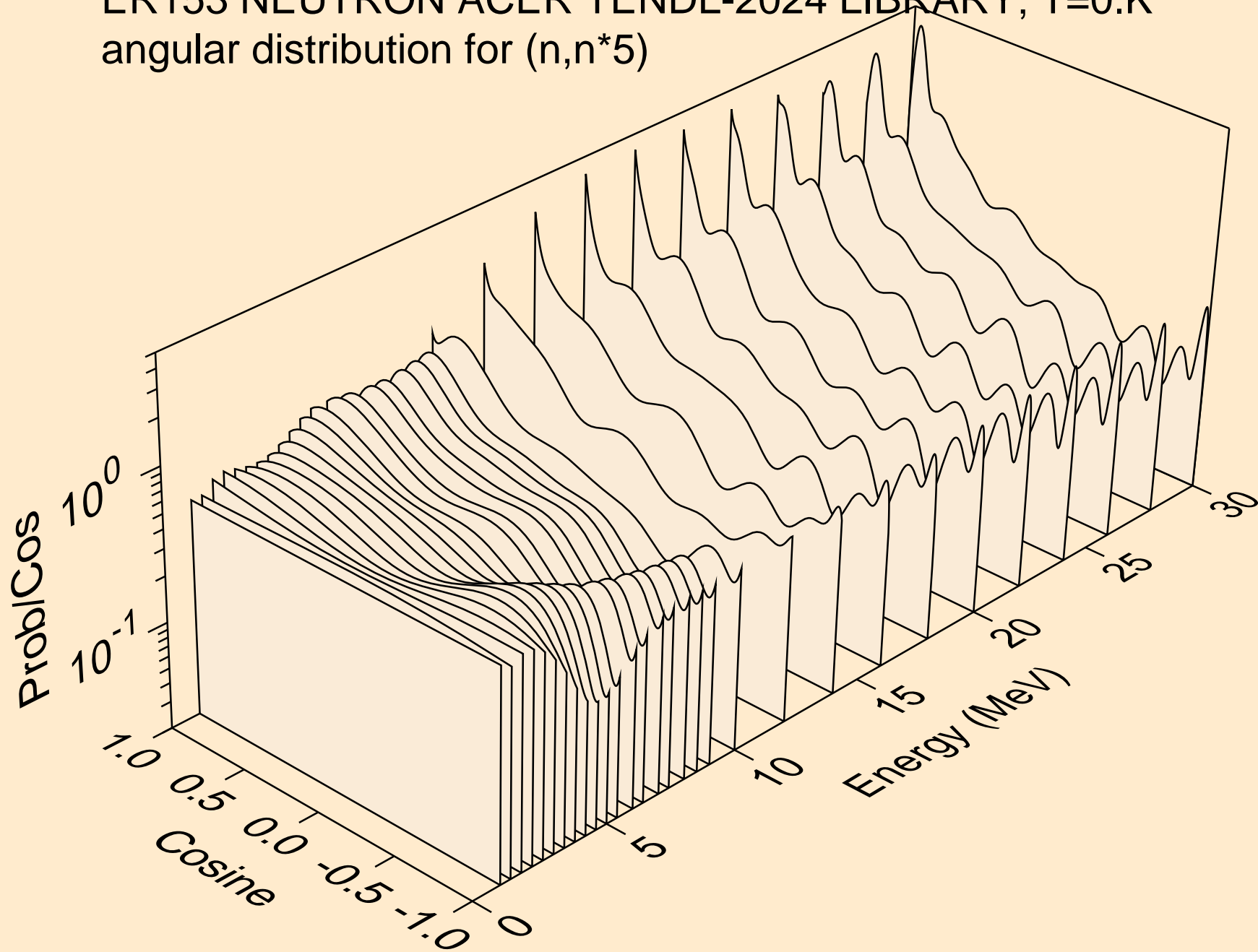
ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*3)



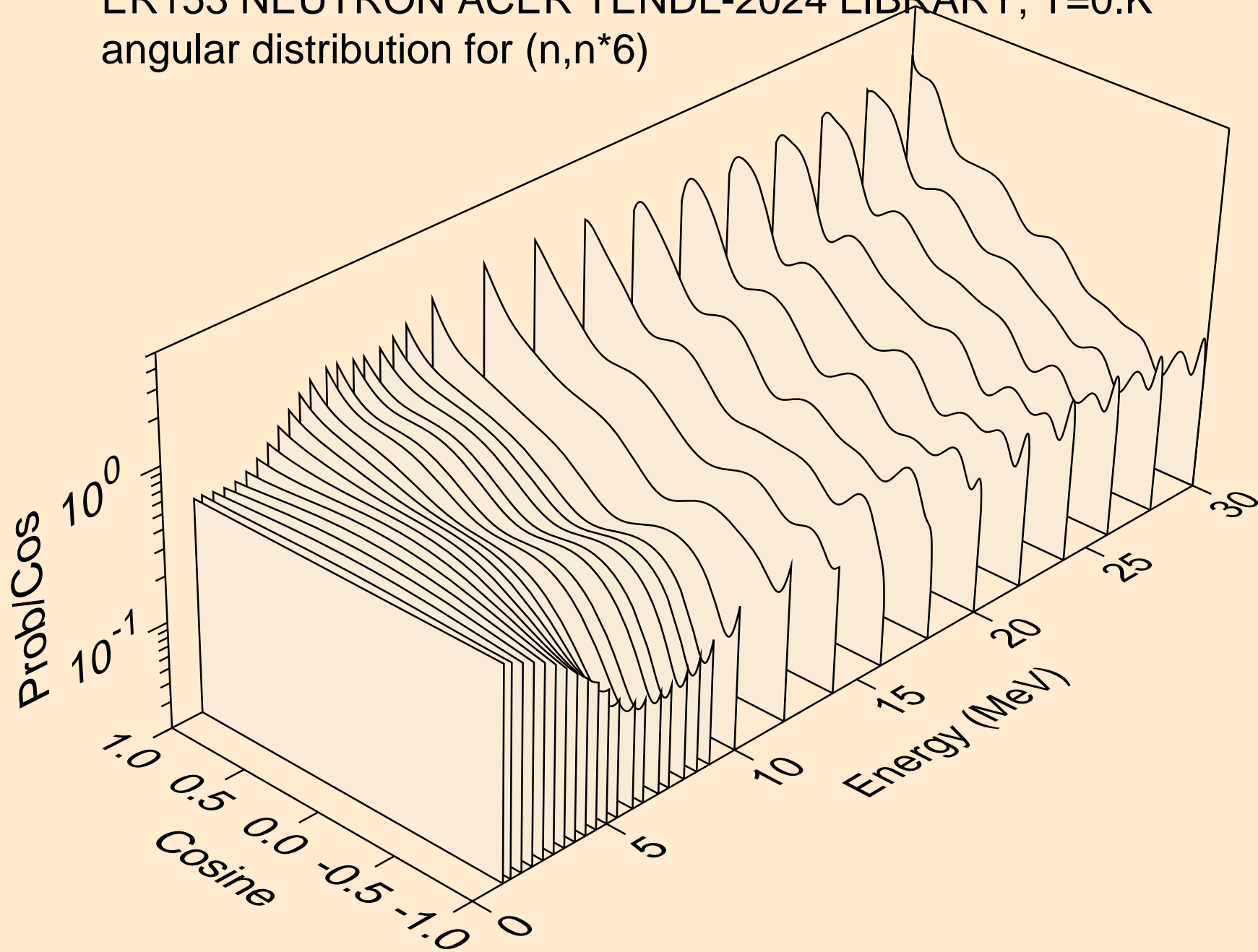
ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*4)



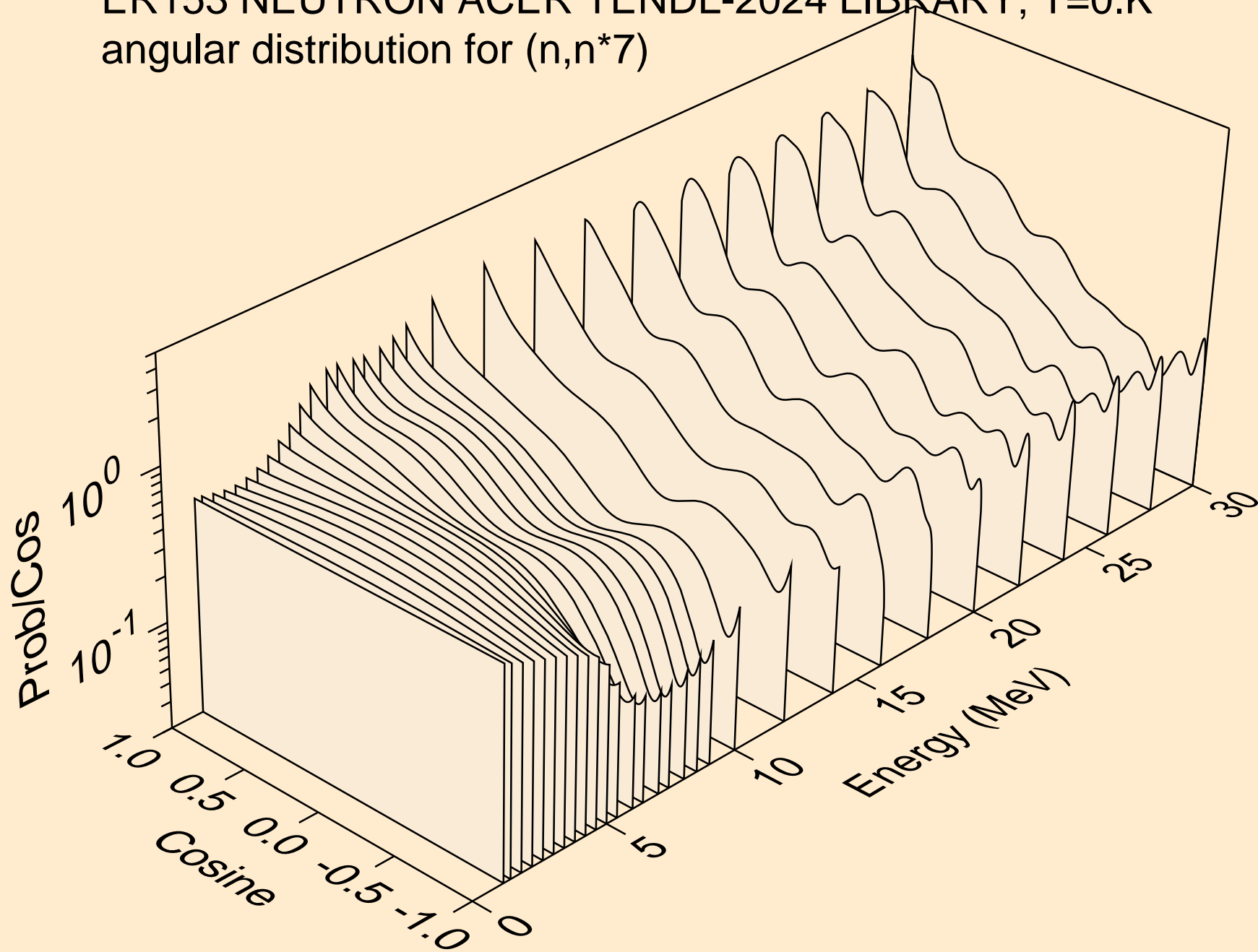
ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*5)



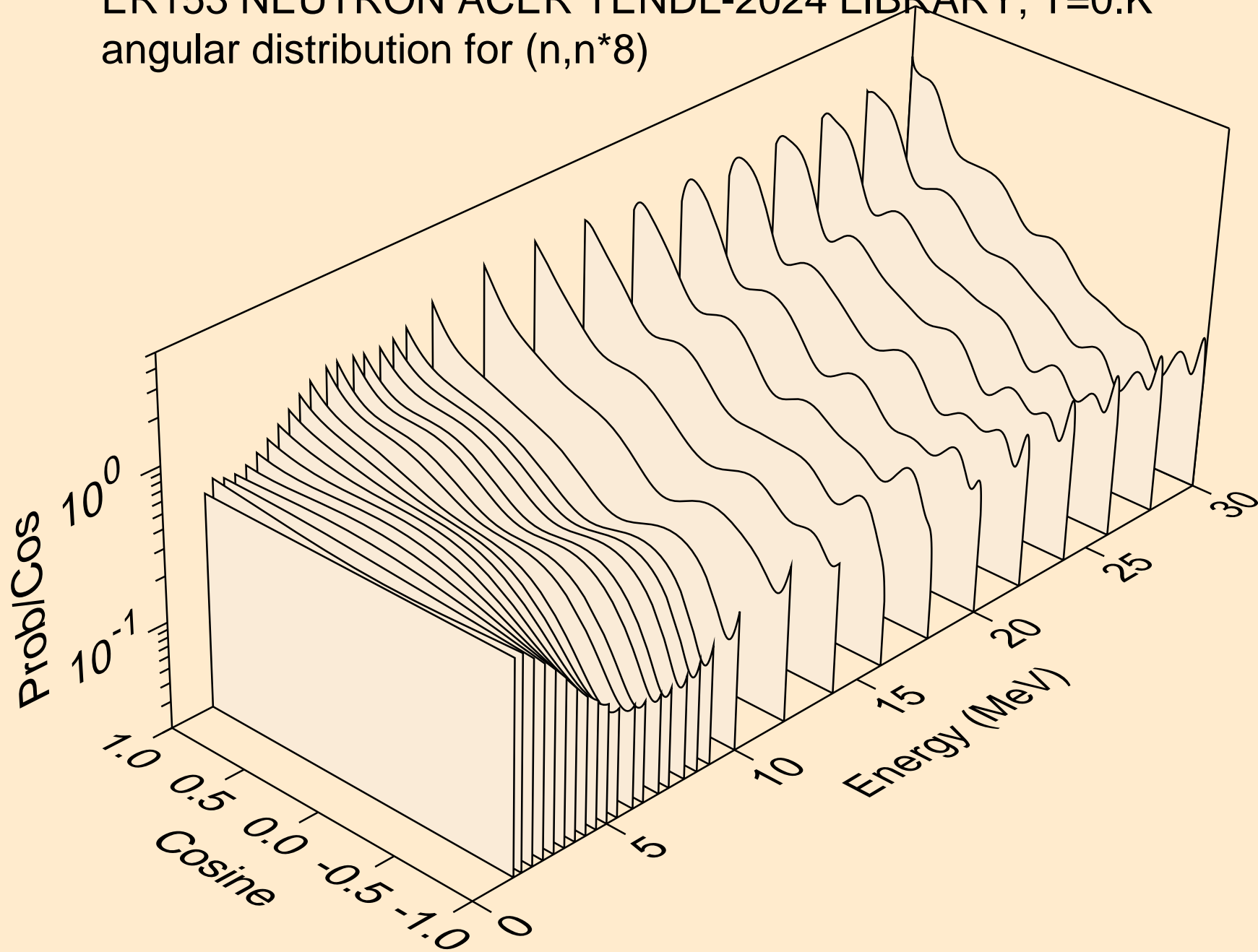
ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*6)



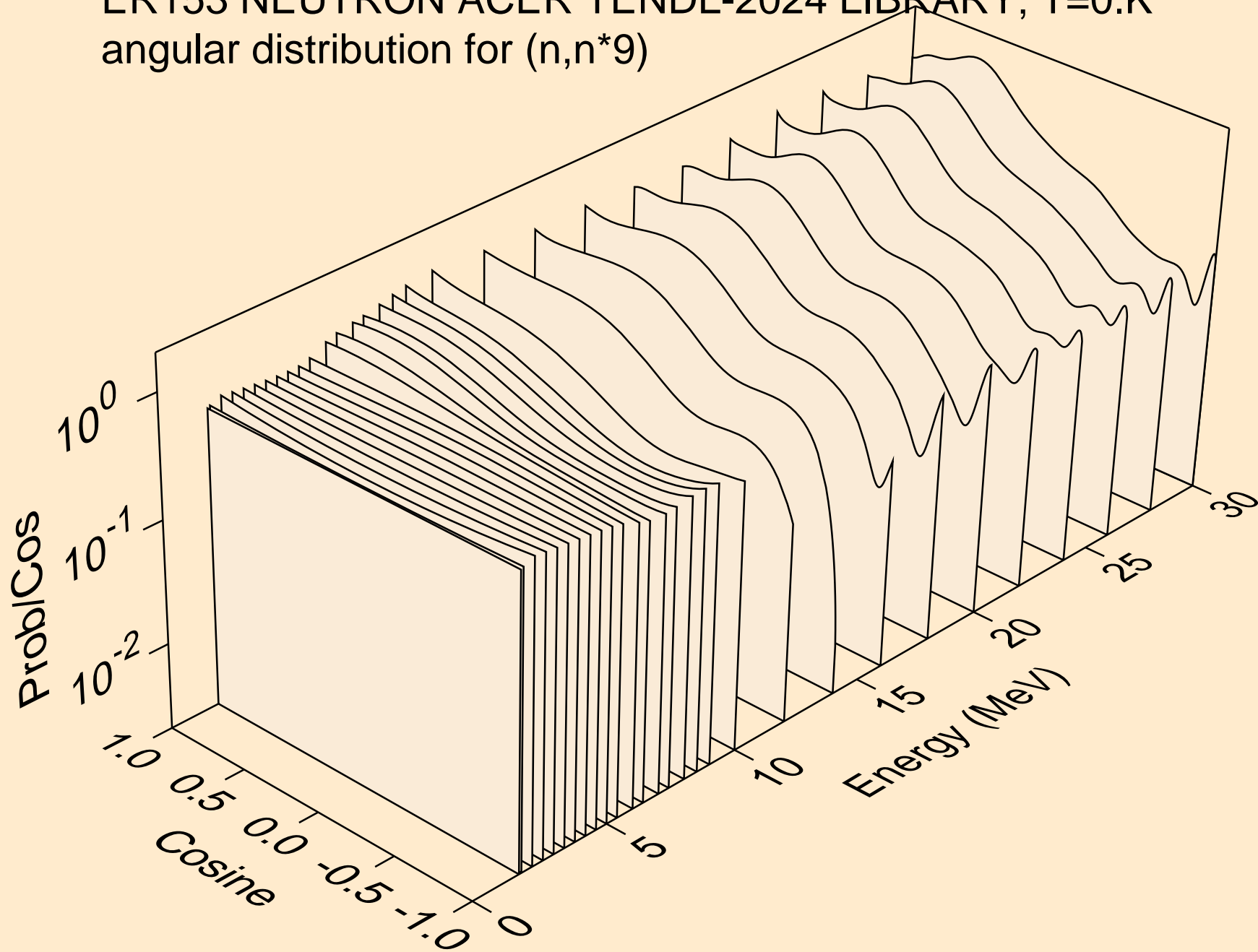
ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*7)



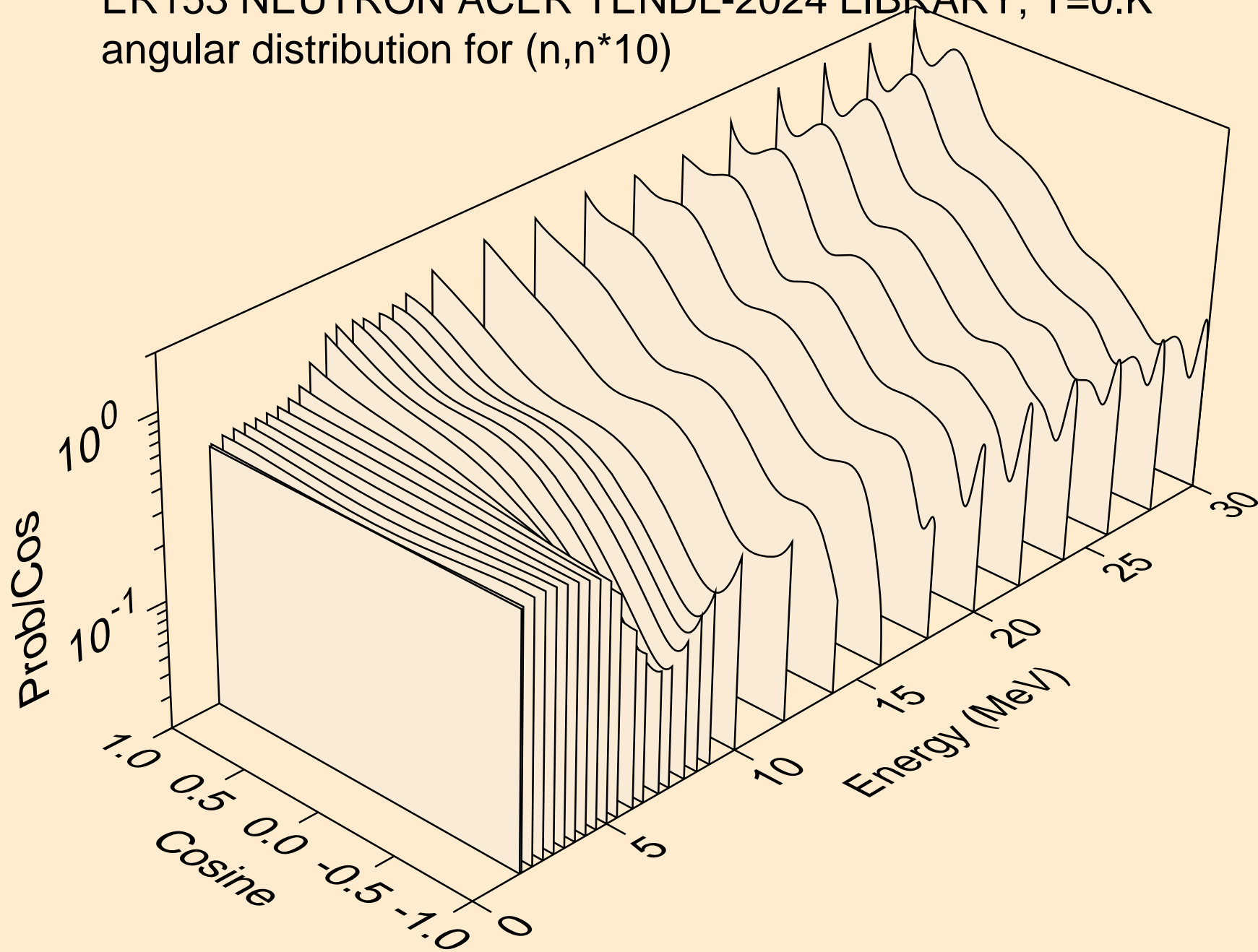
ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*8)



ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*9)

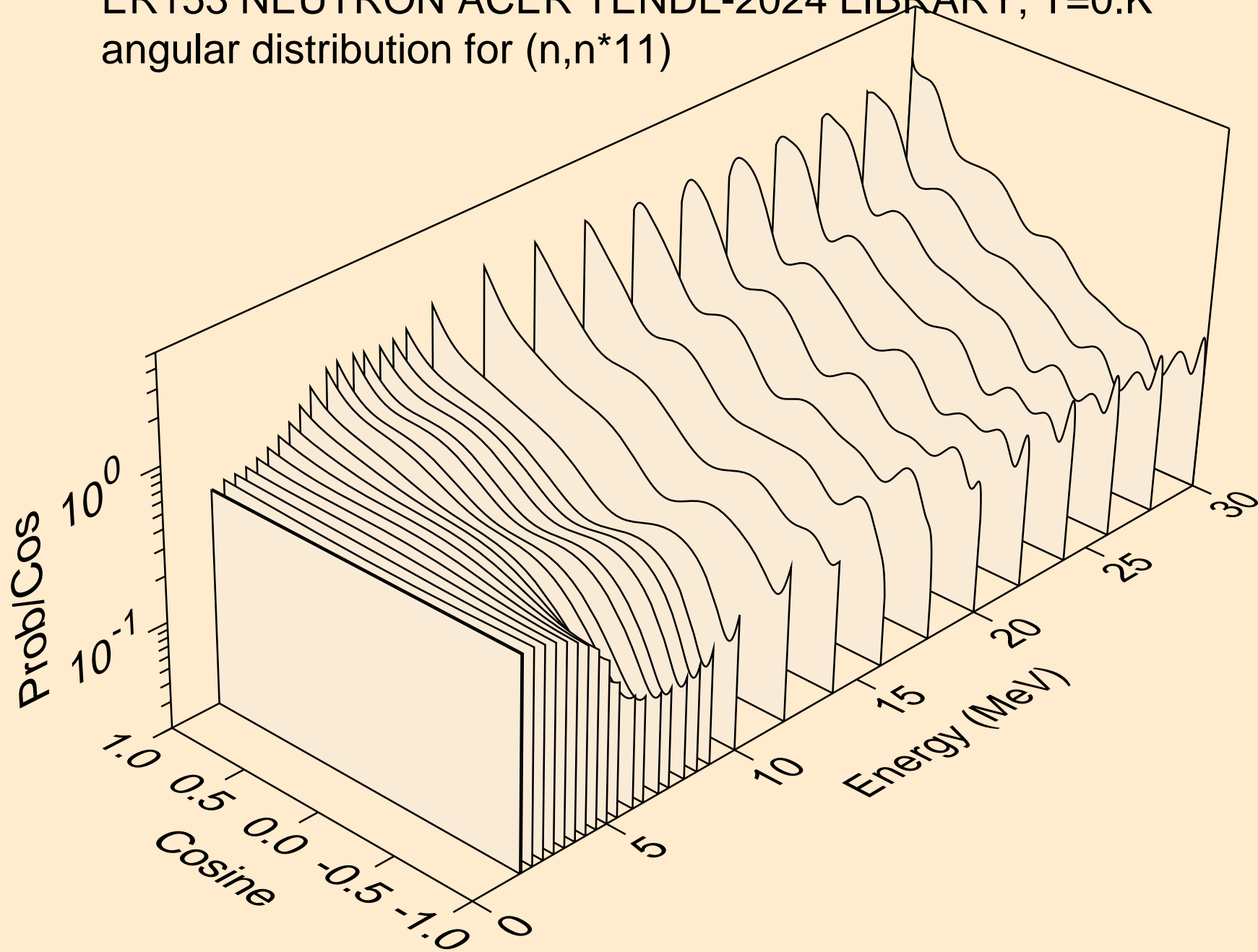


ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*10)

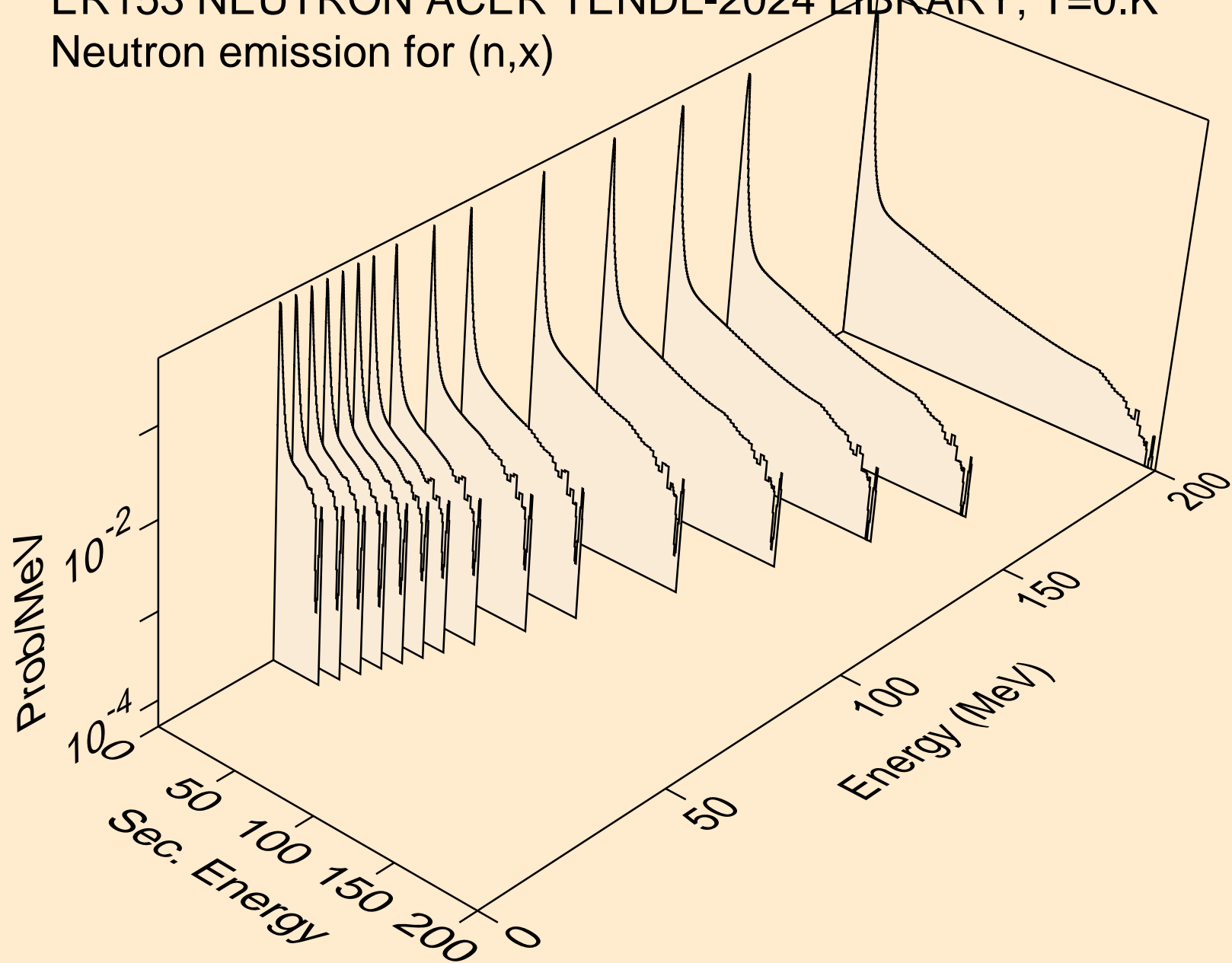




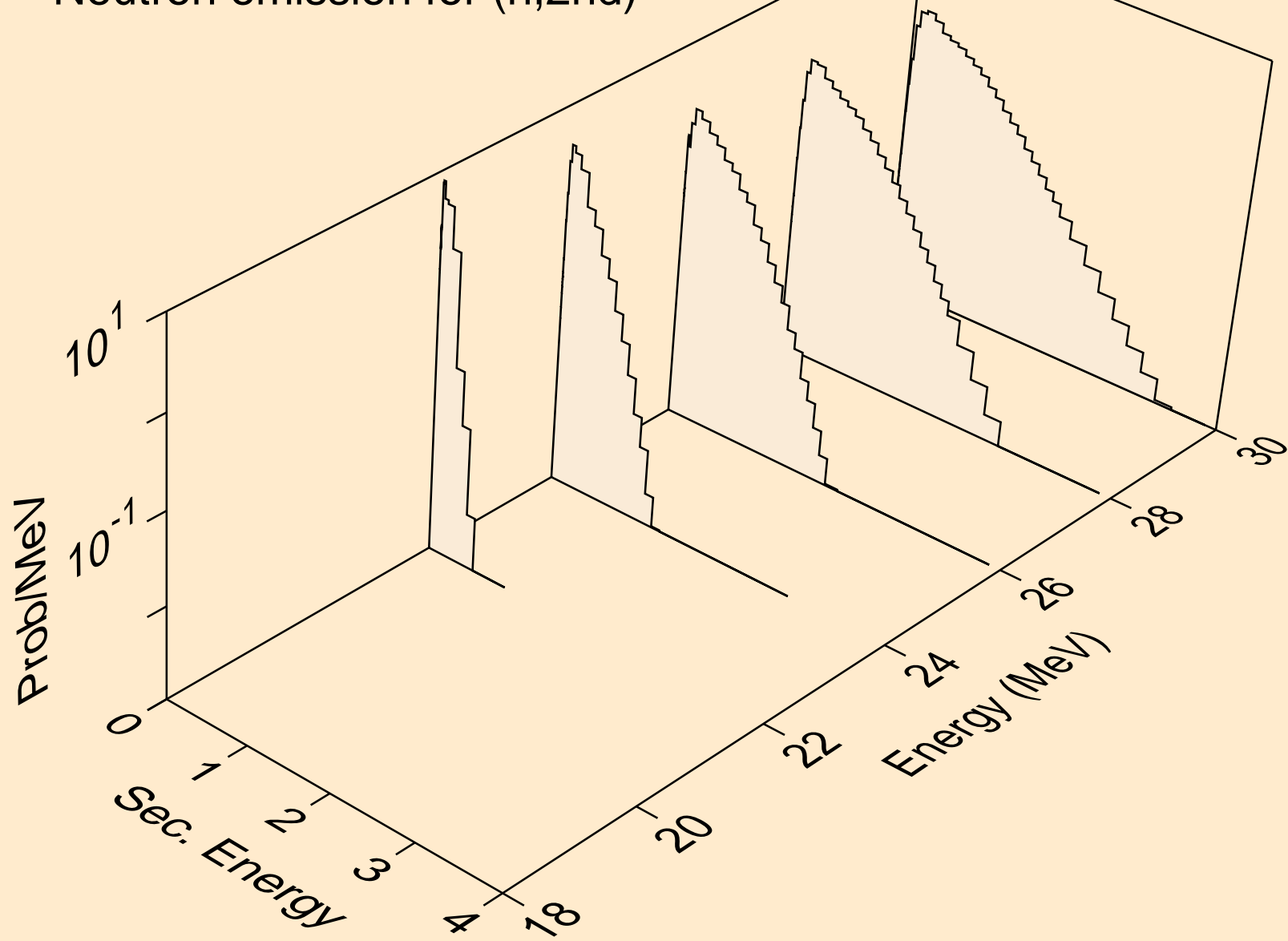
ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*11)



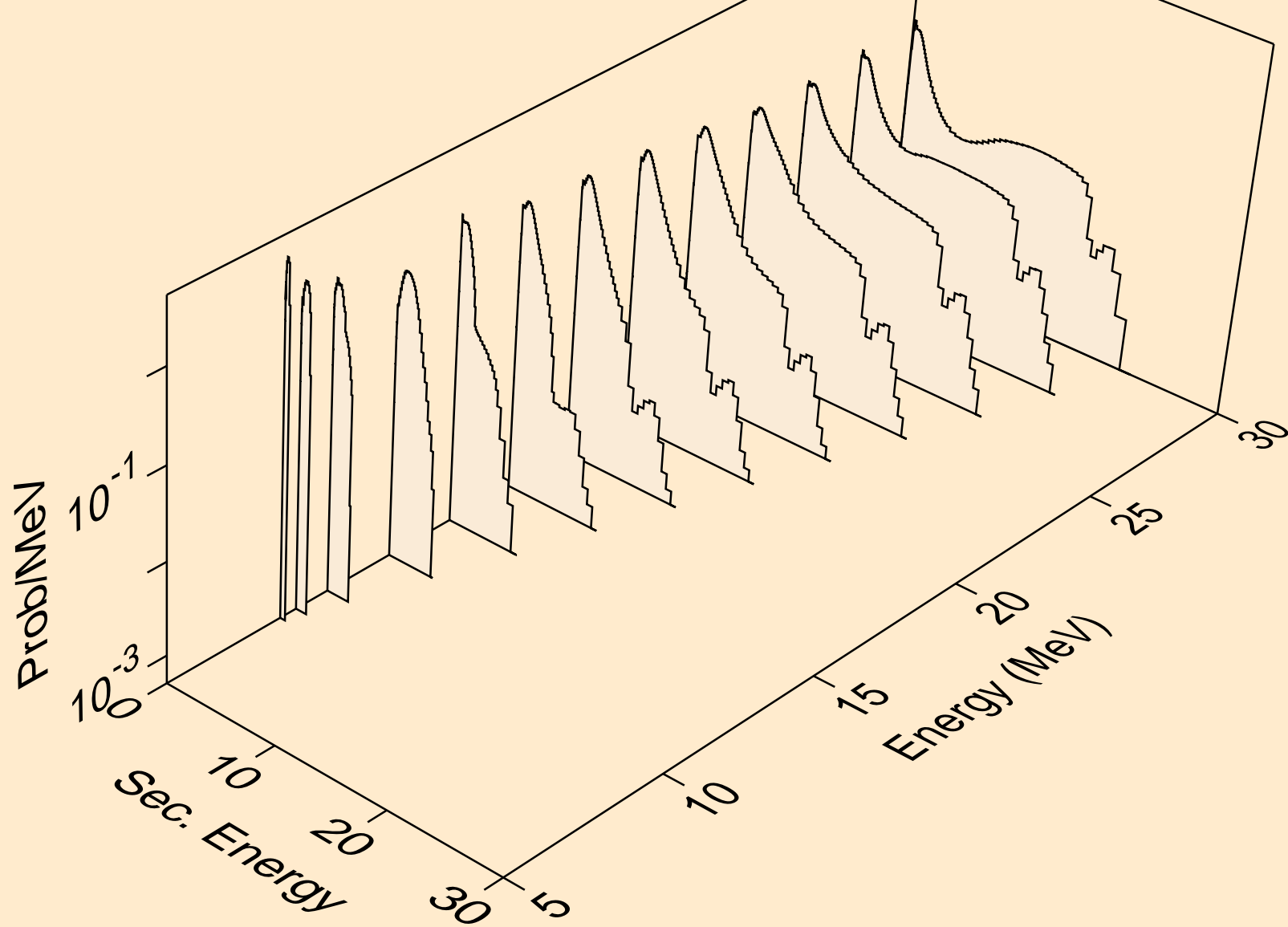
ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,x)



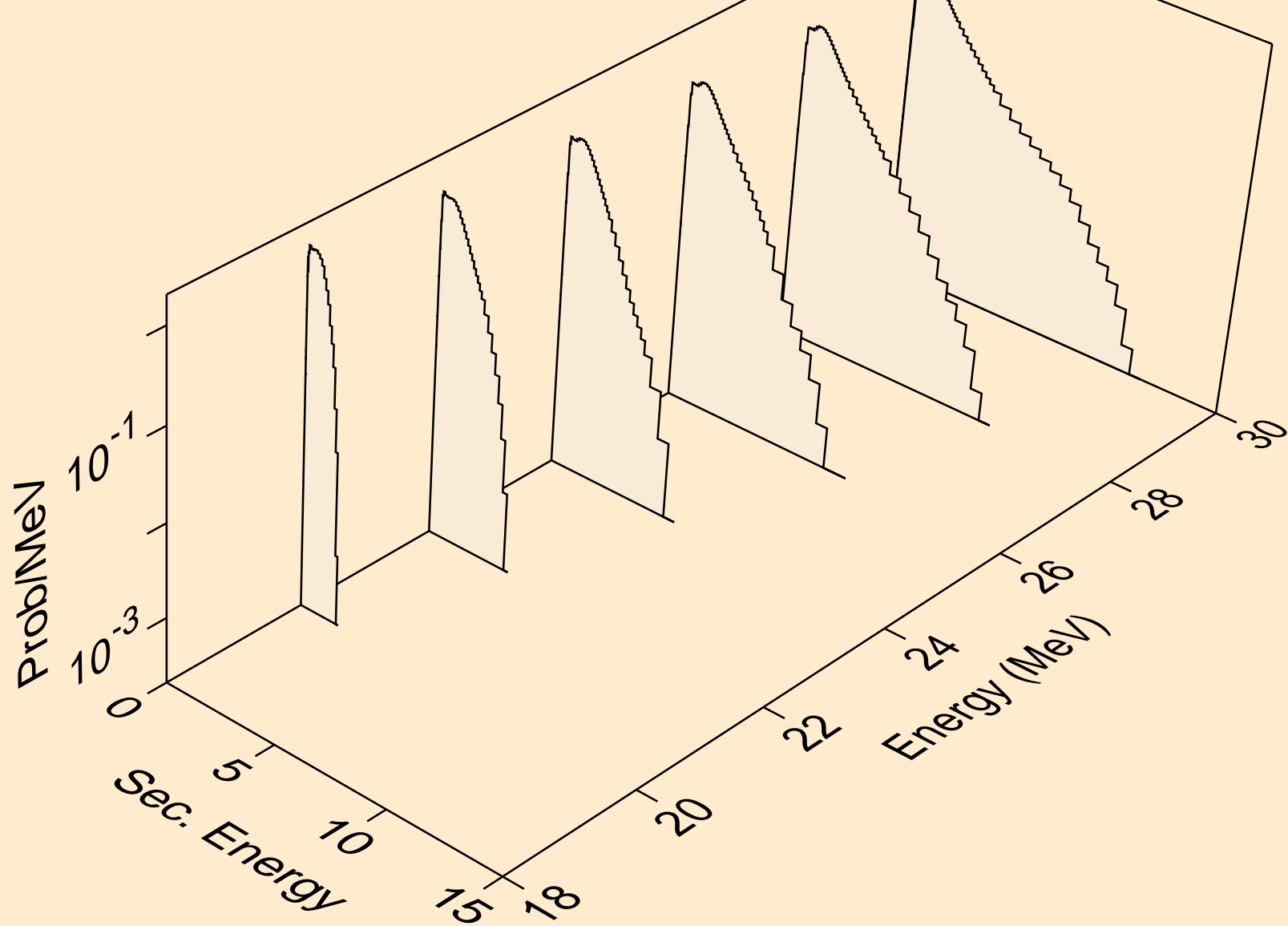
ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



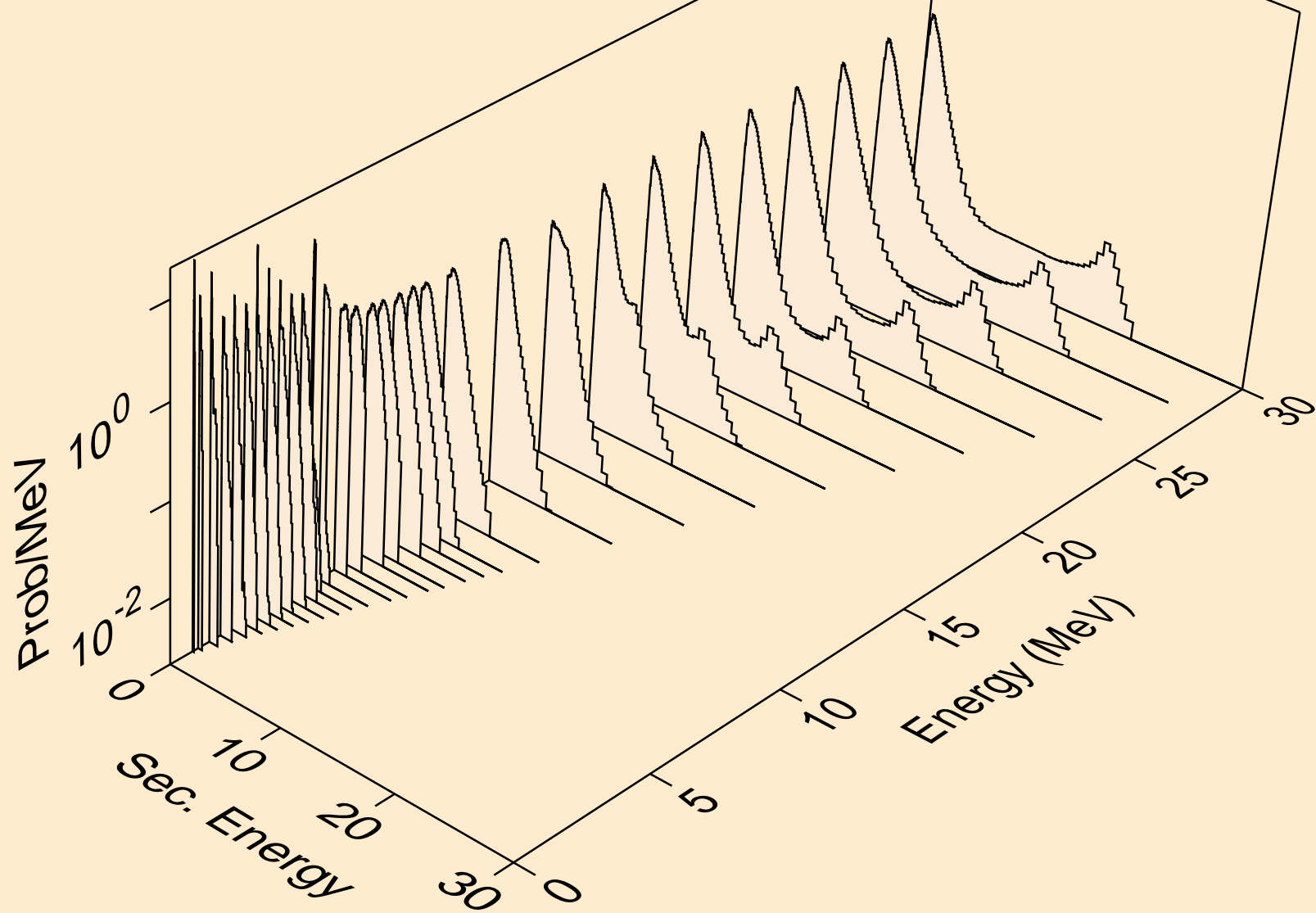
ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)



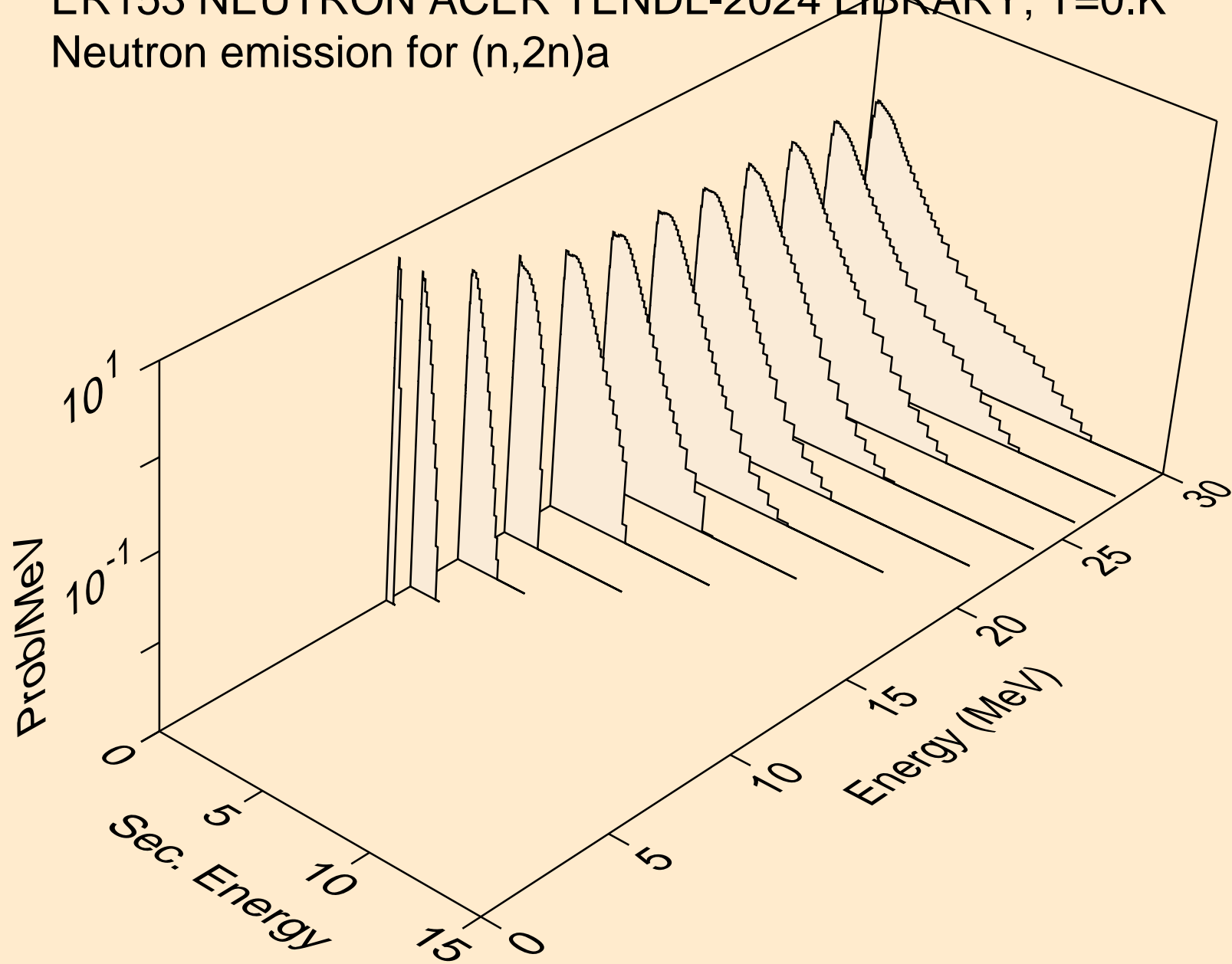
ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)



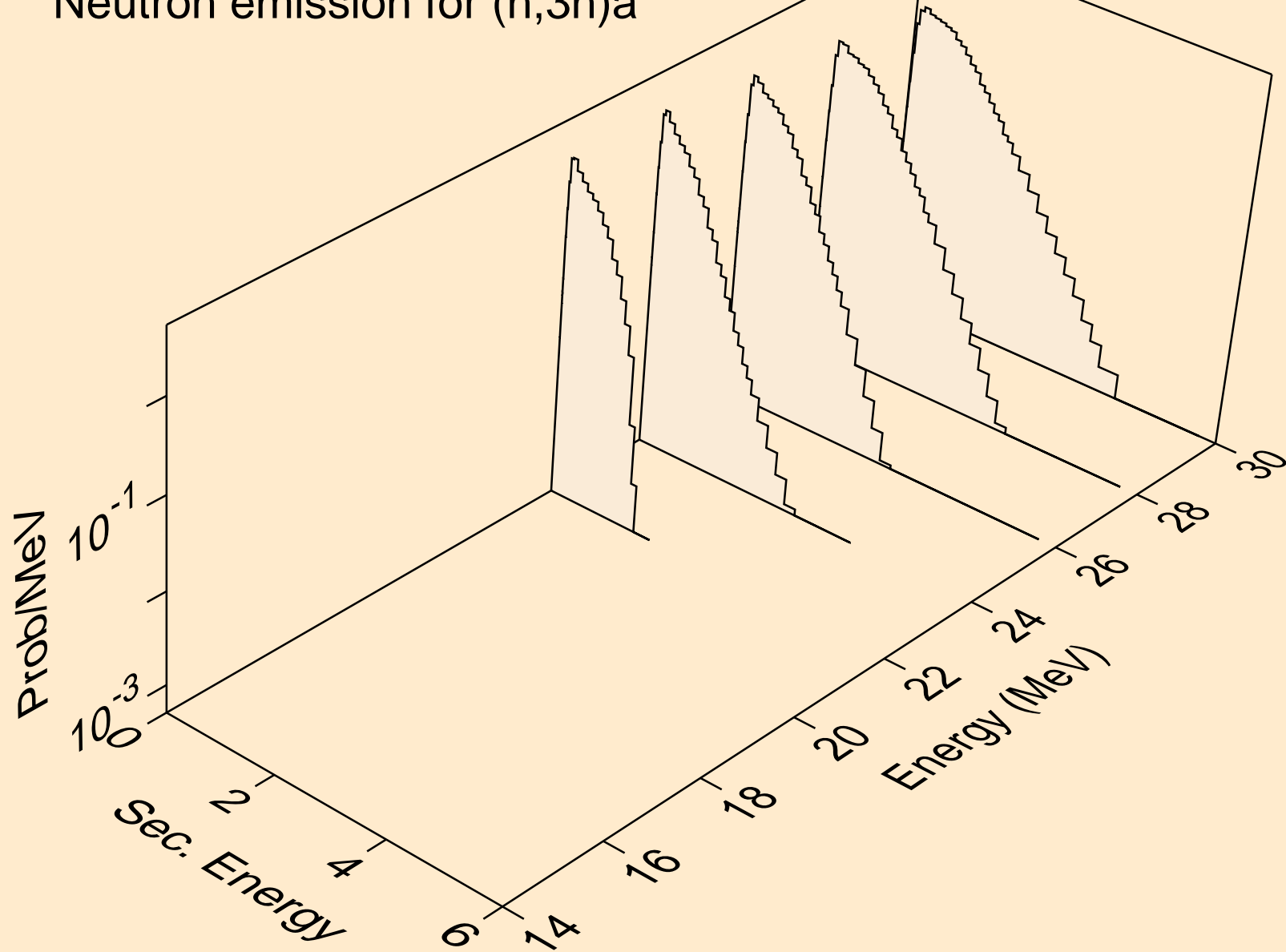
ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)a

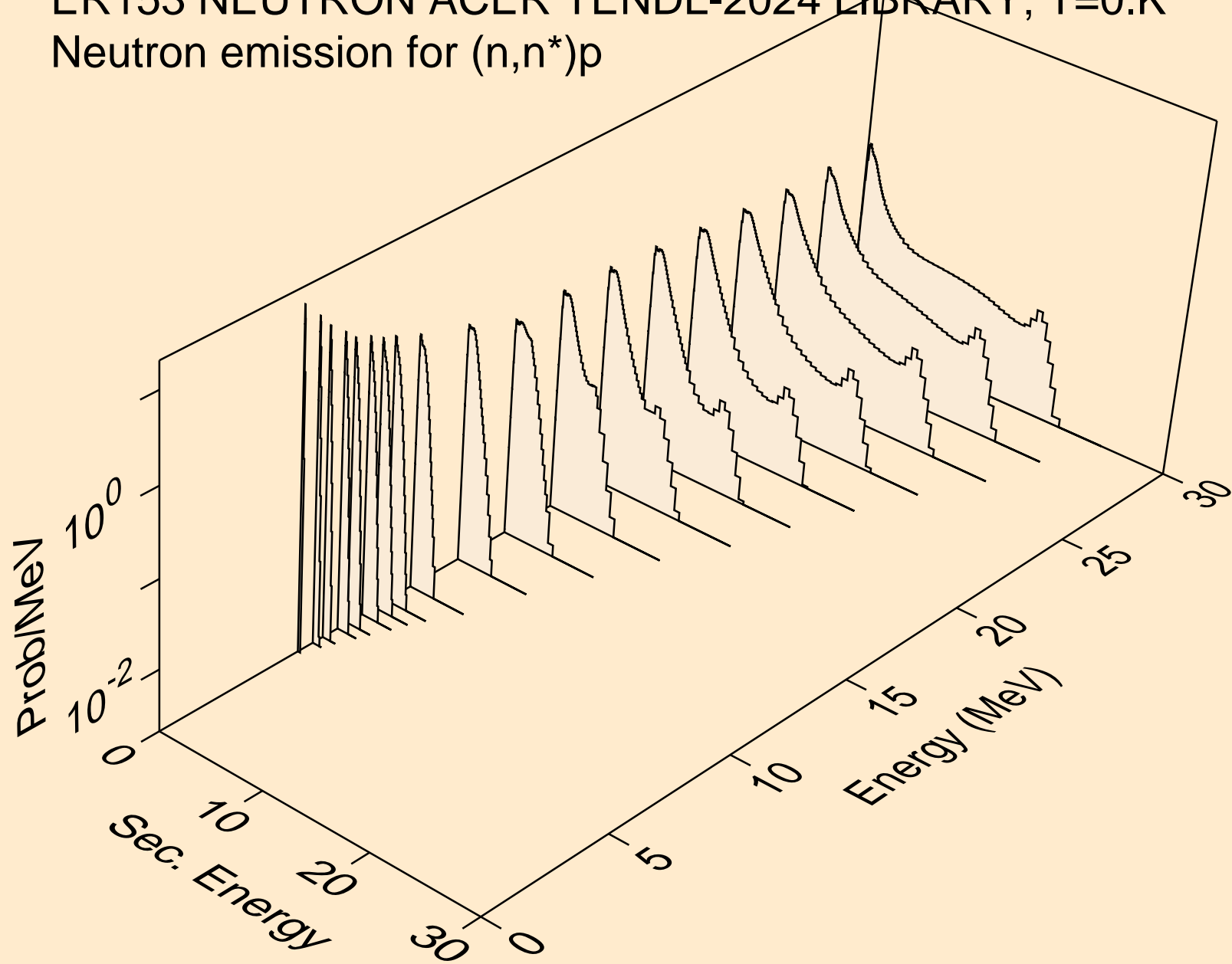


ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)a

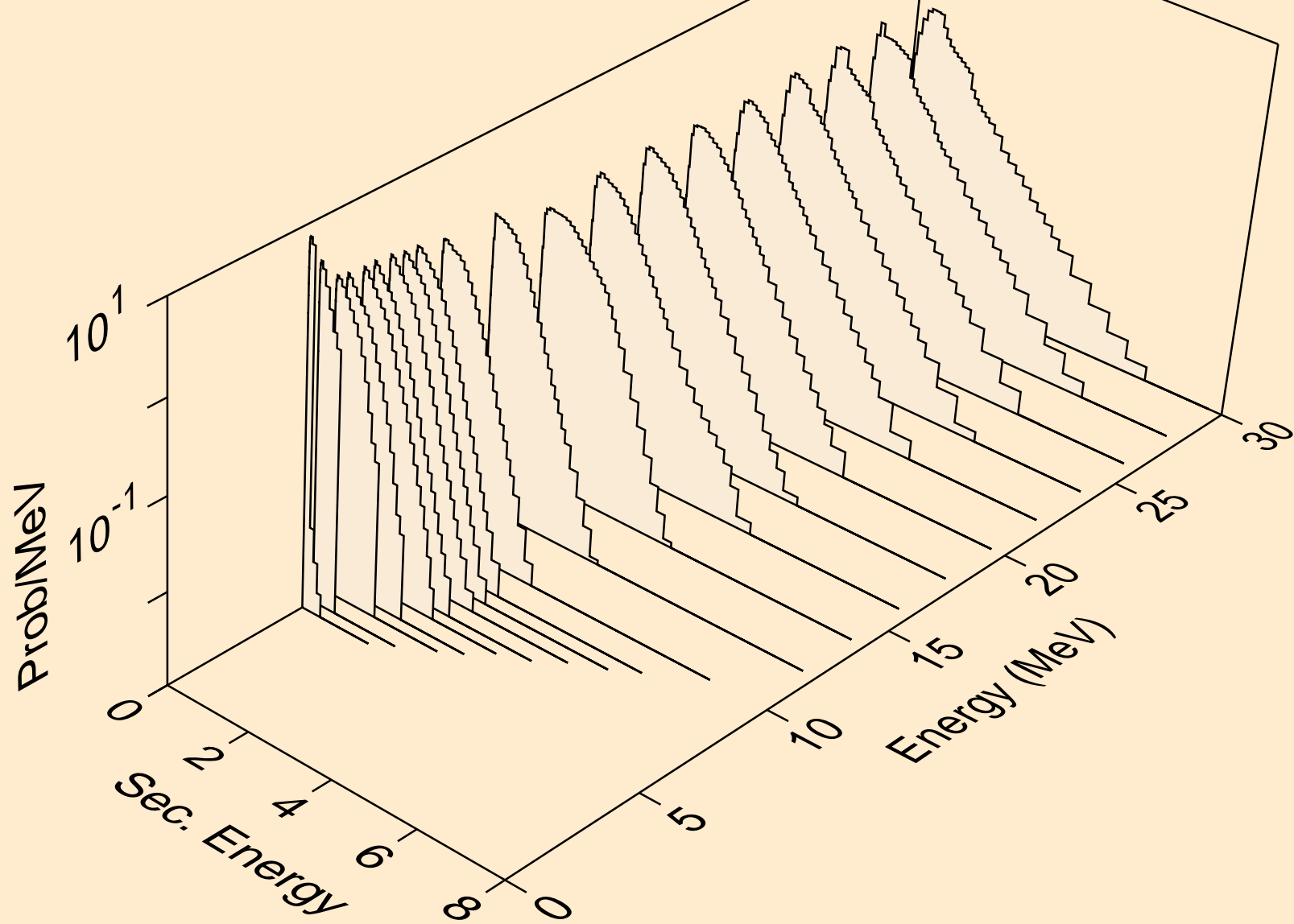




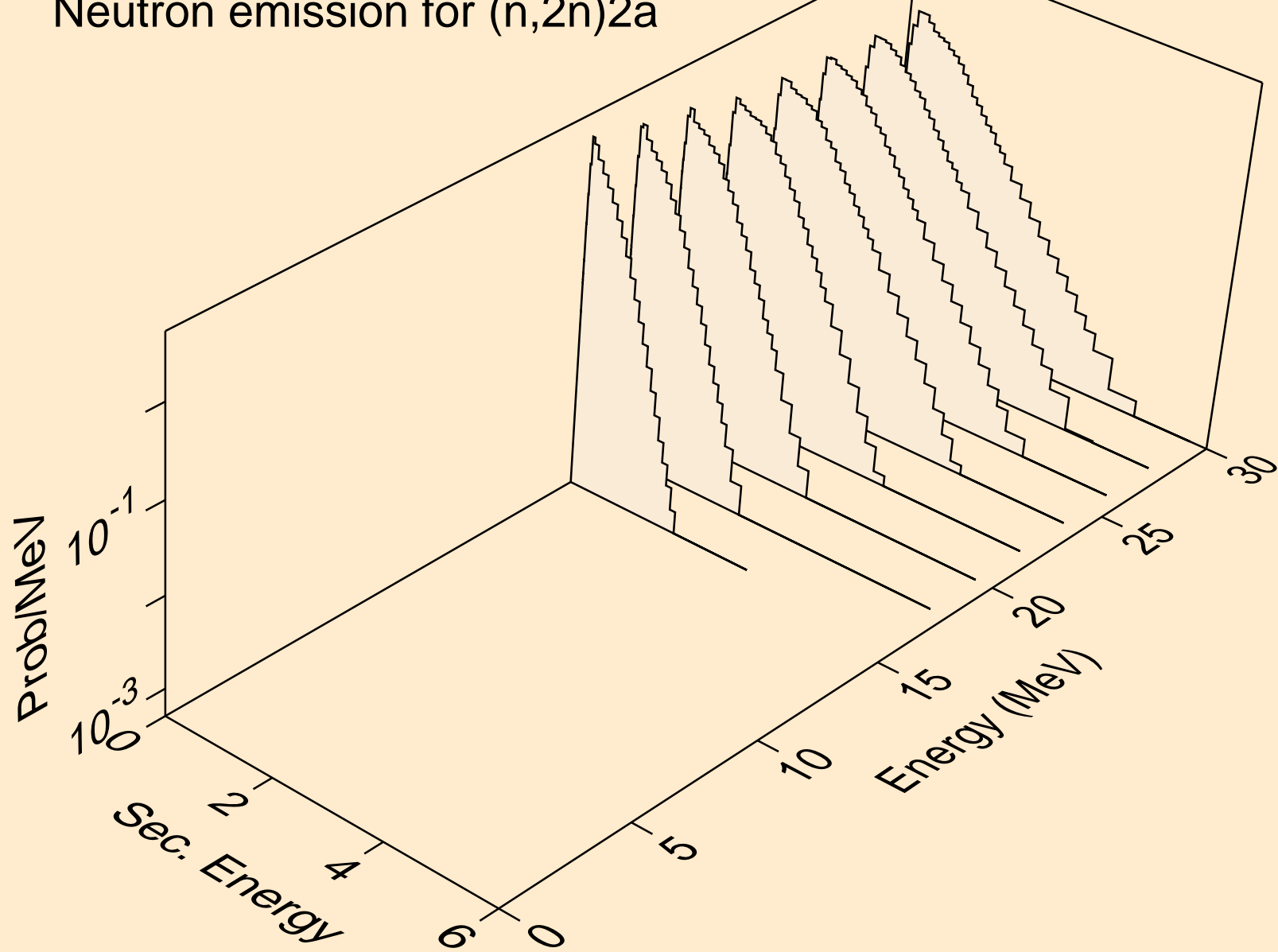
ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



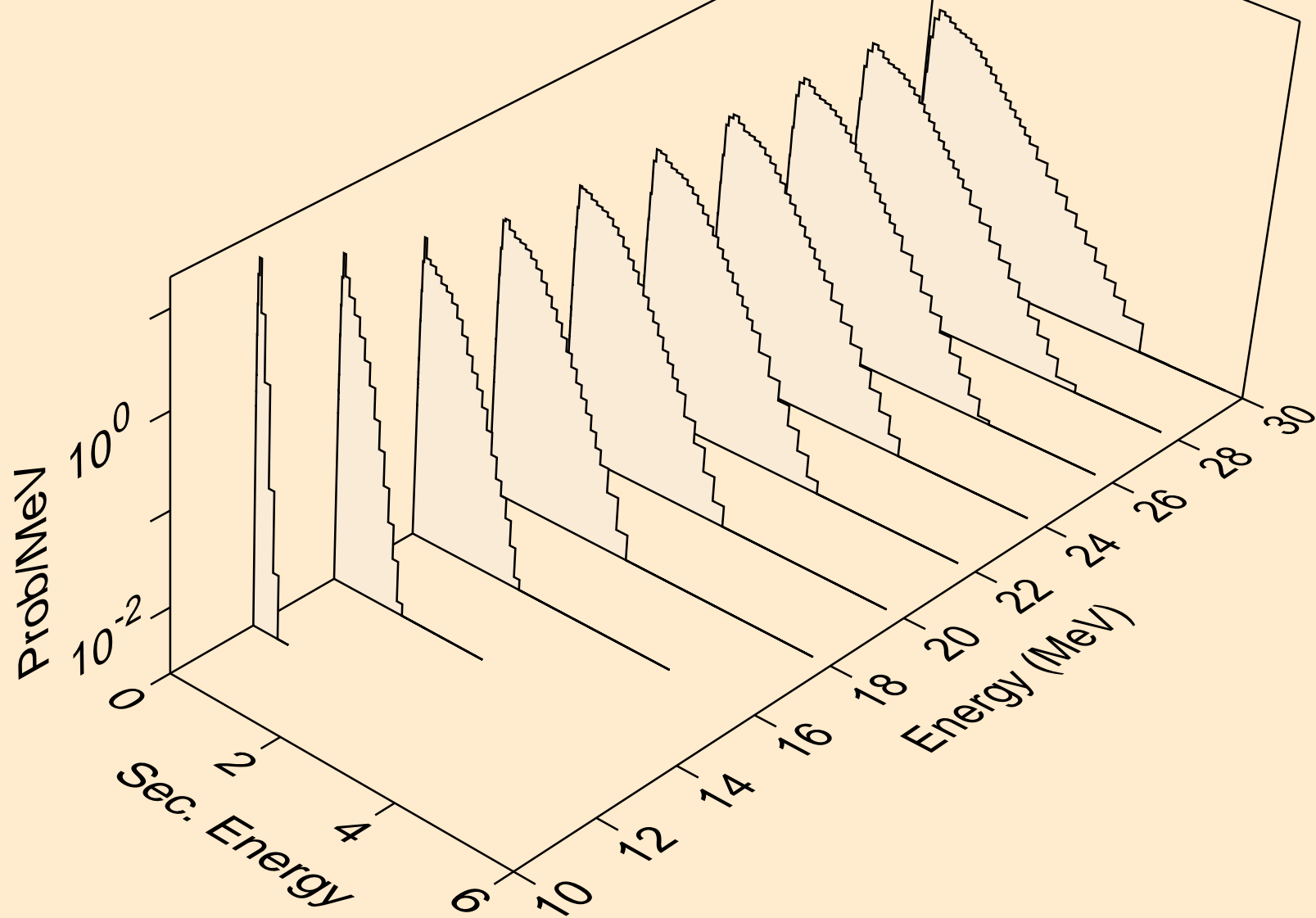
ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)2a



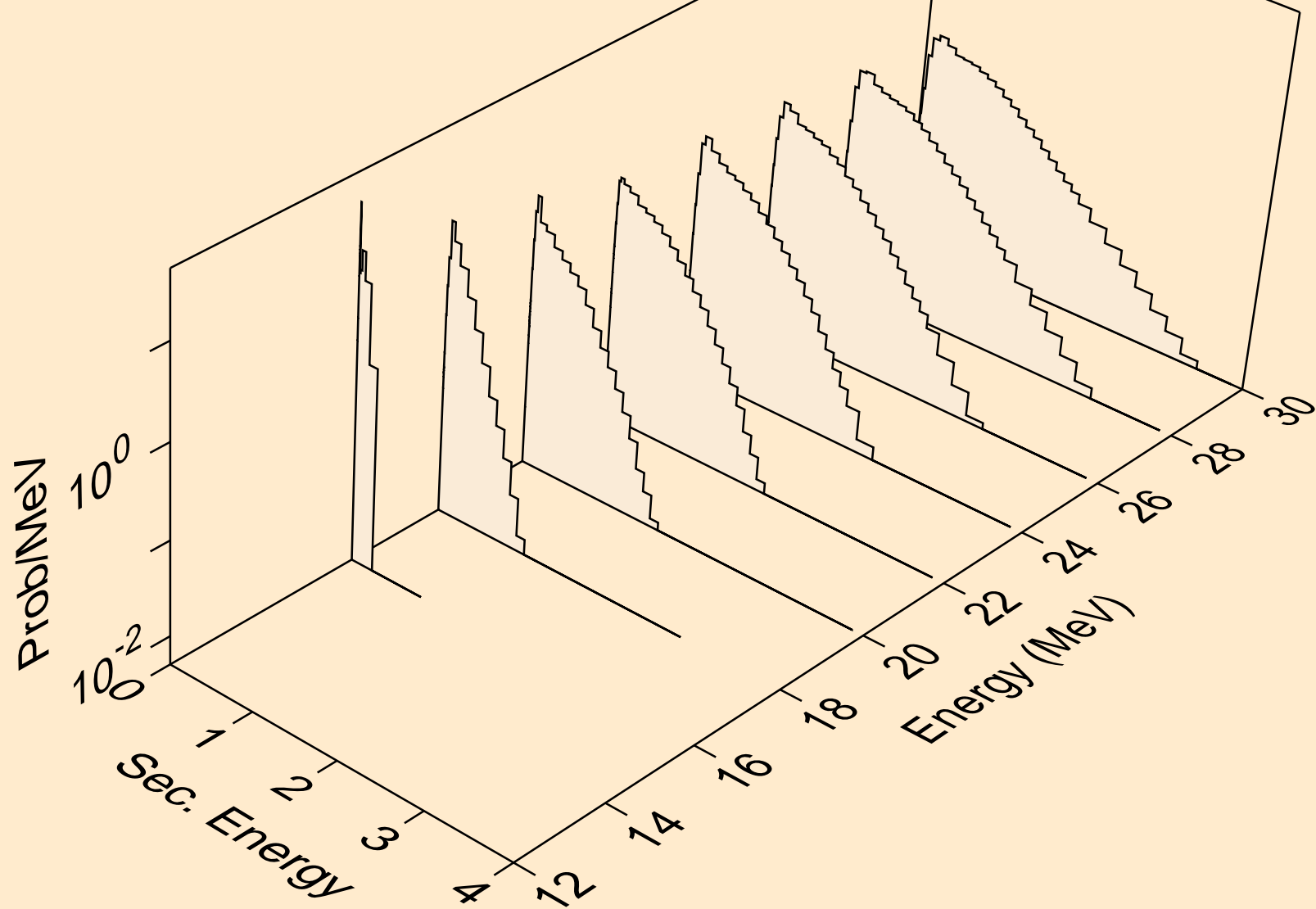
ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)2a



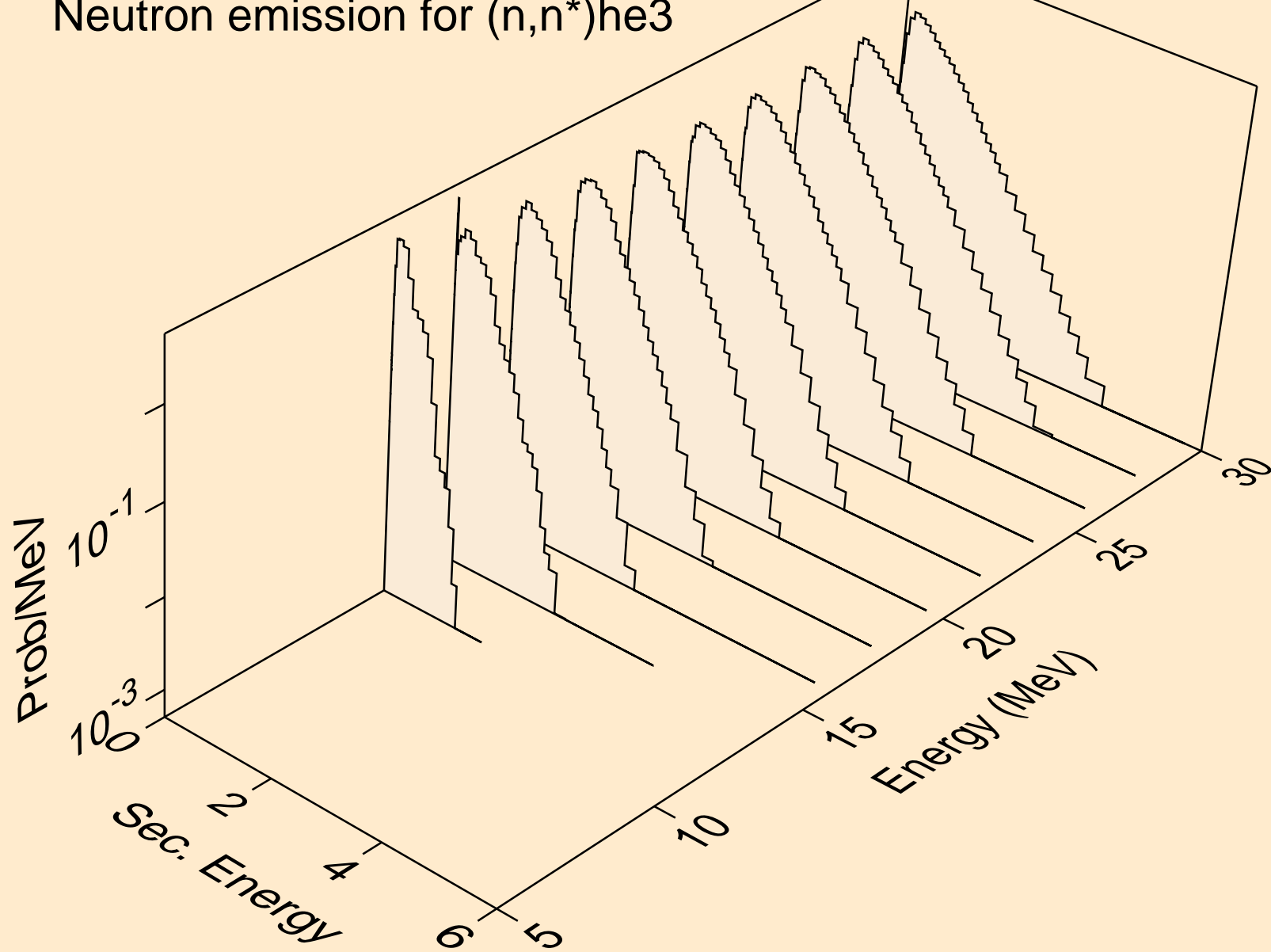
ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d



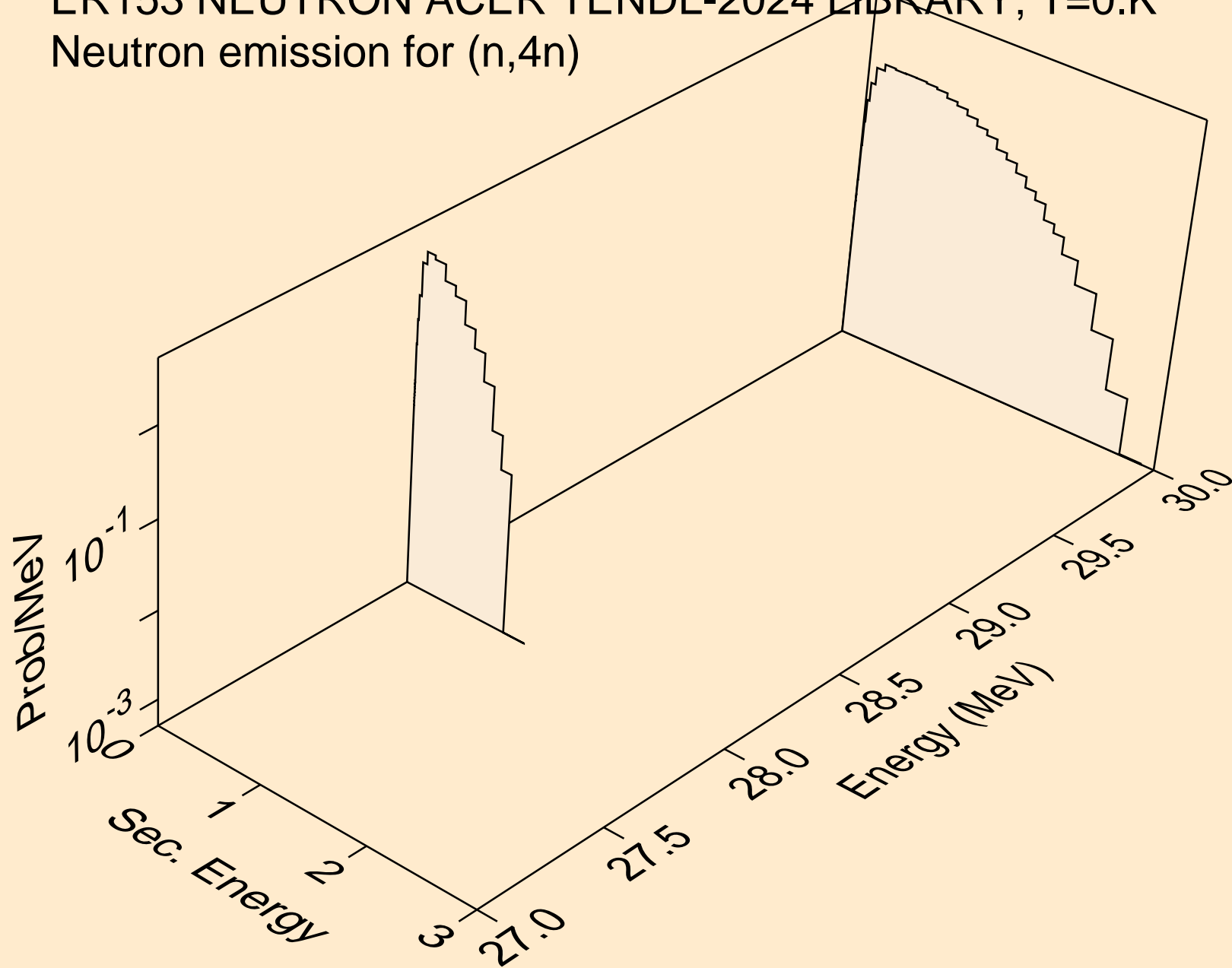
ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



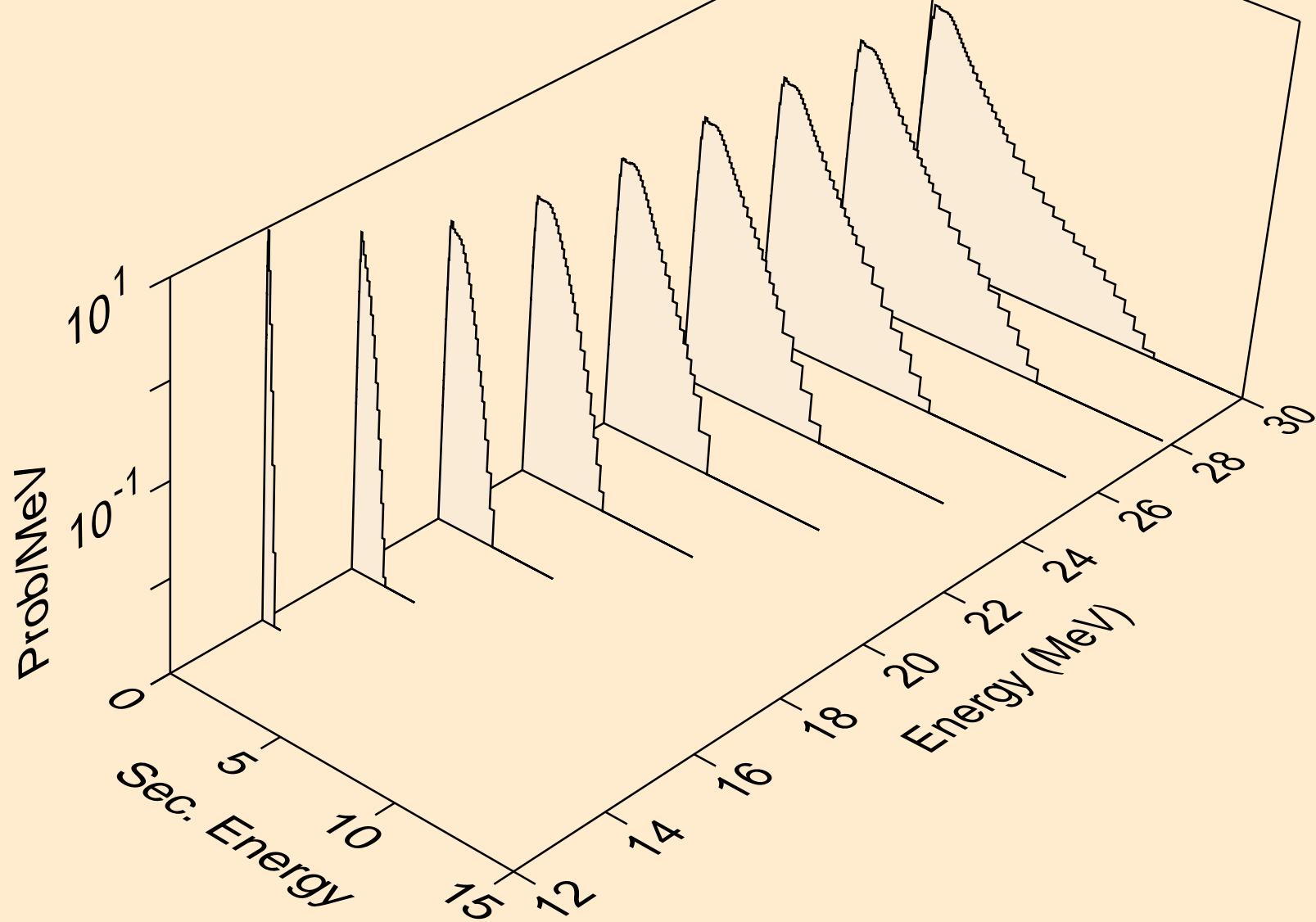
ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,4n)

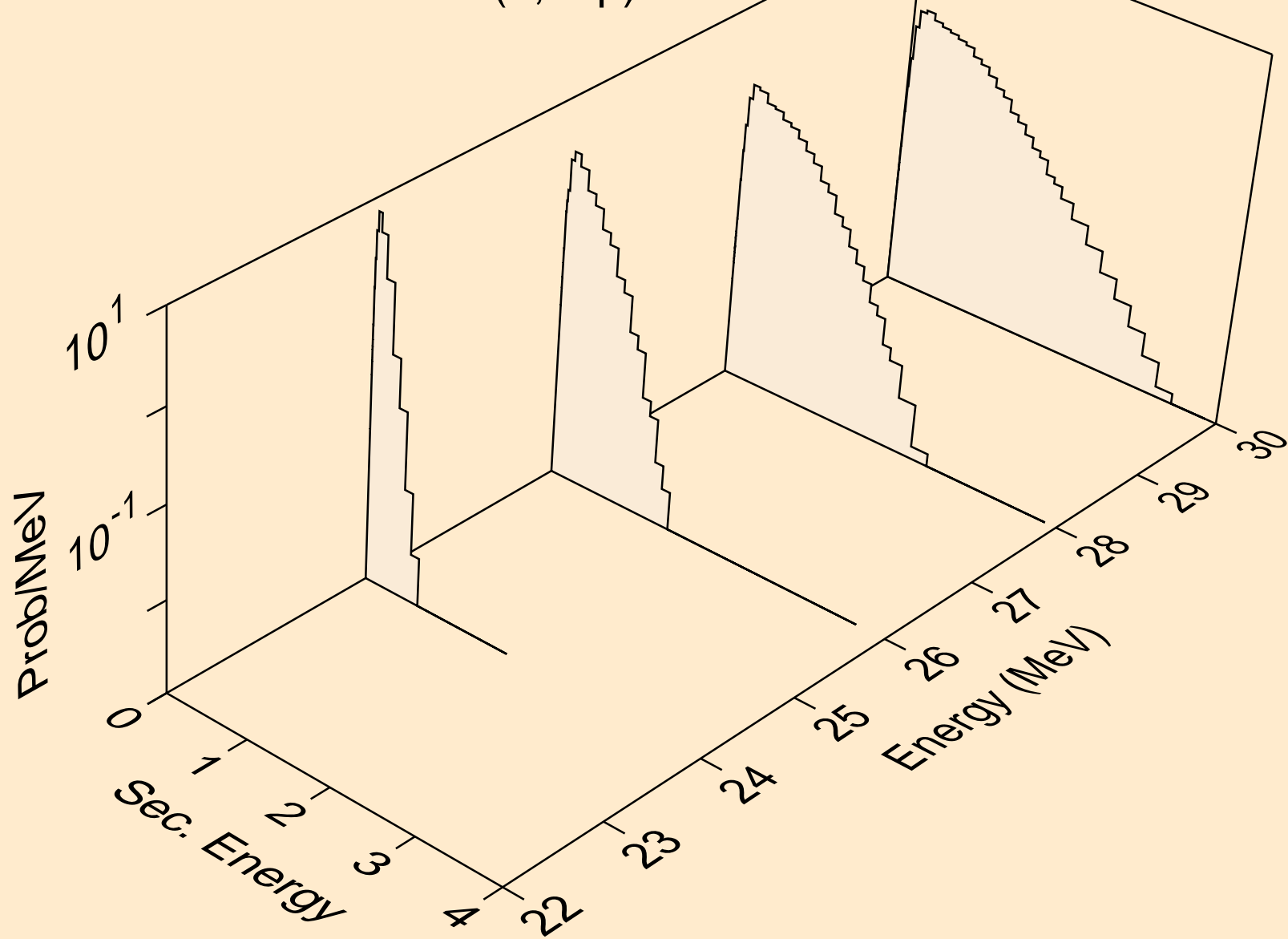


ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2np)

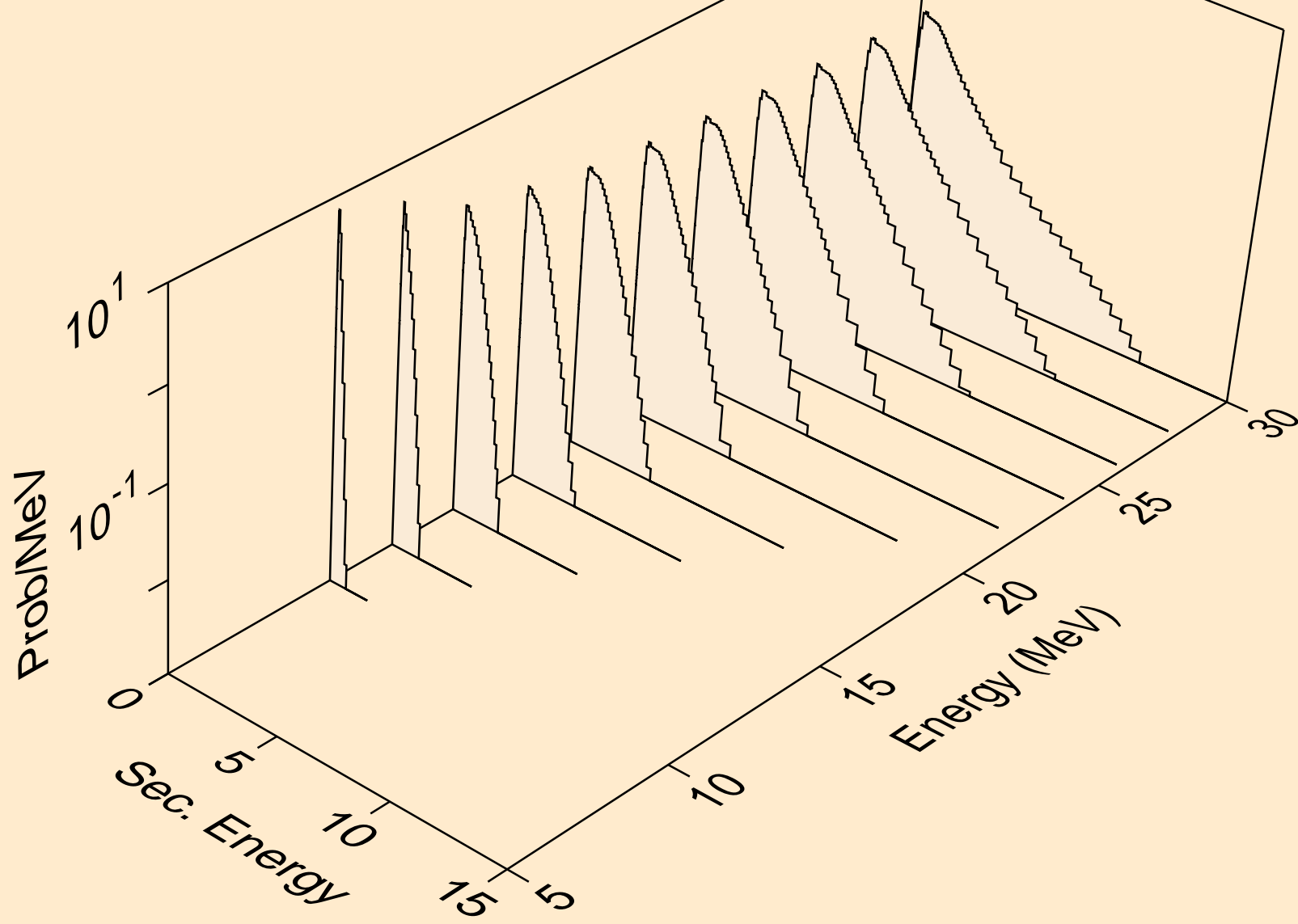




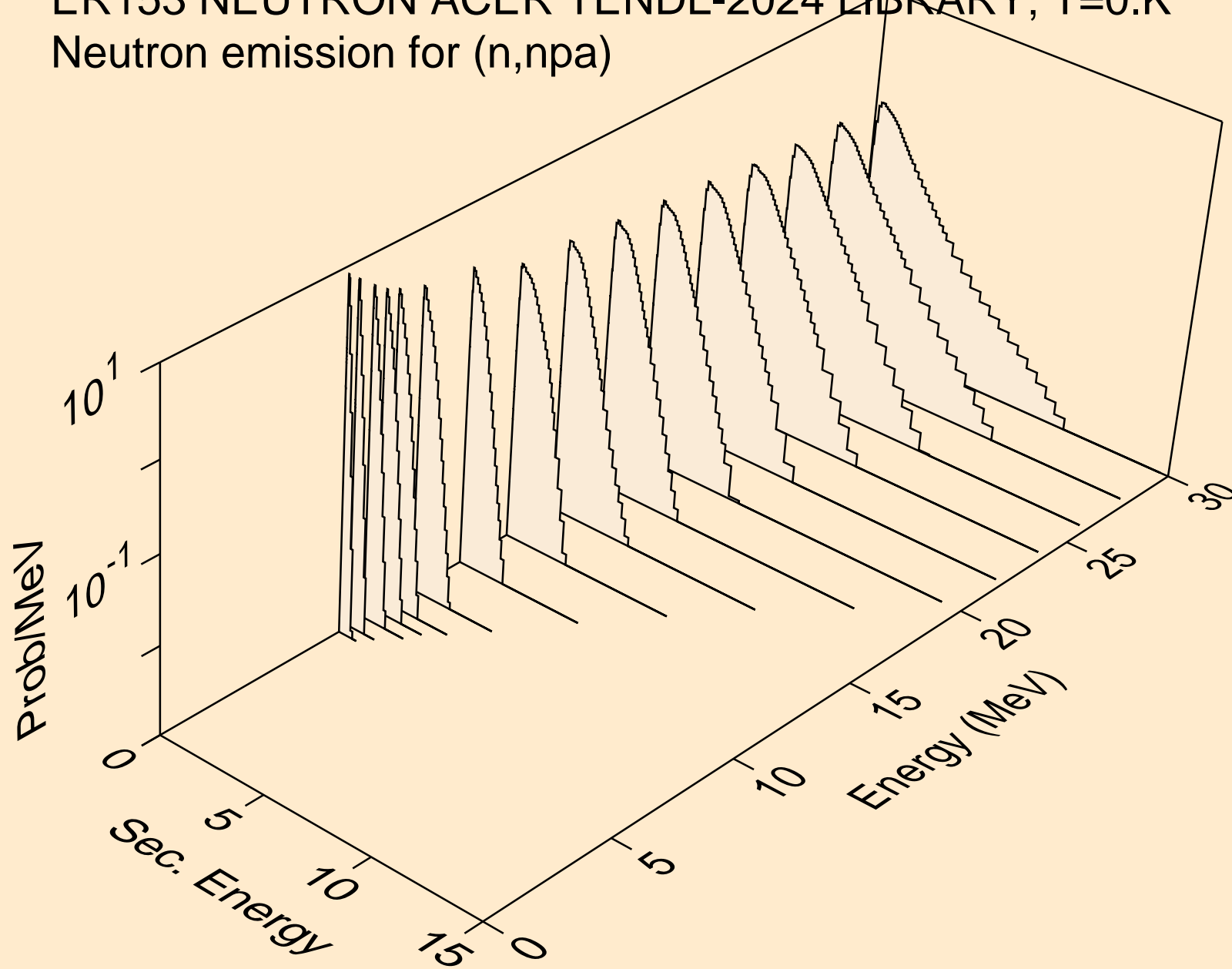
ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3np)



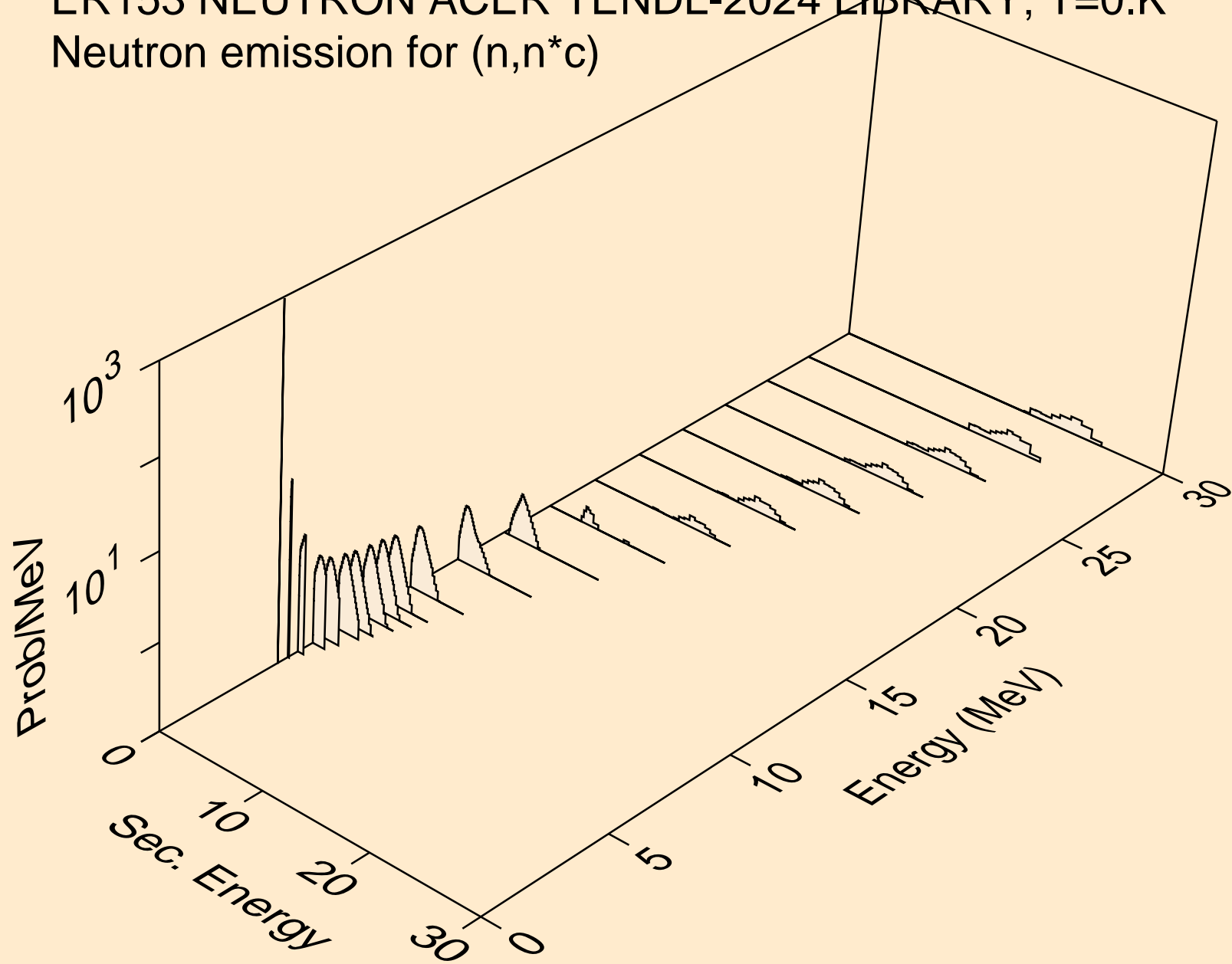
ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n2p)



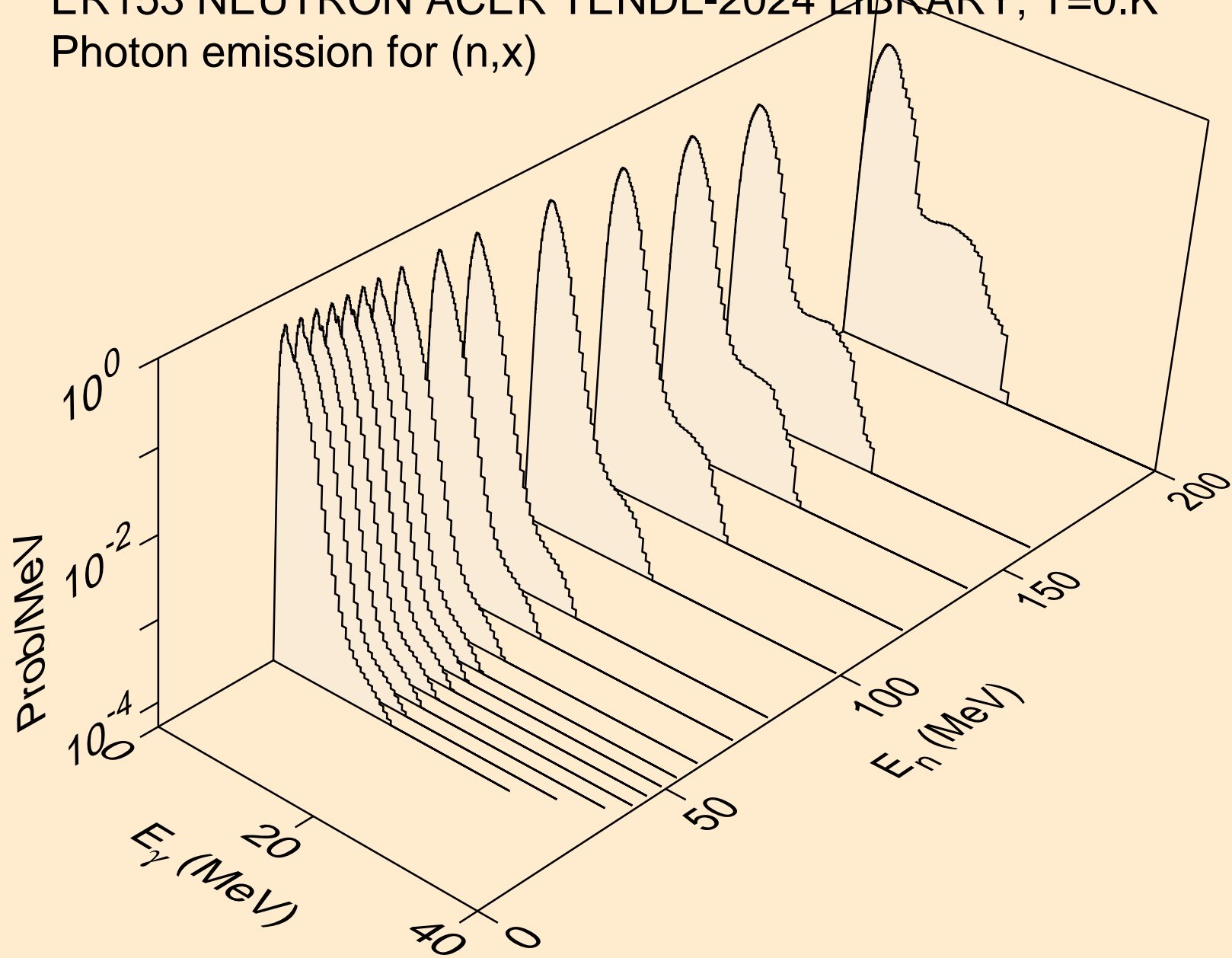
ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,npa)



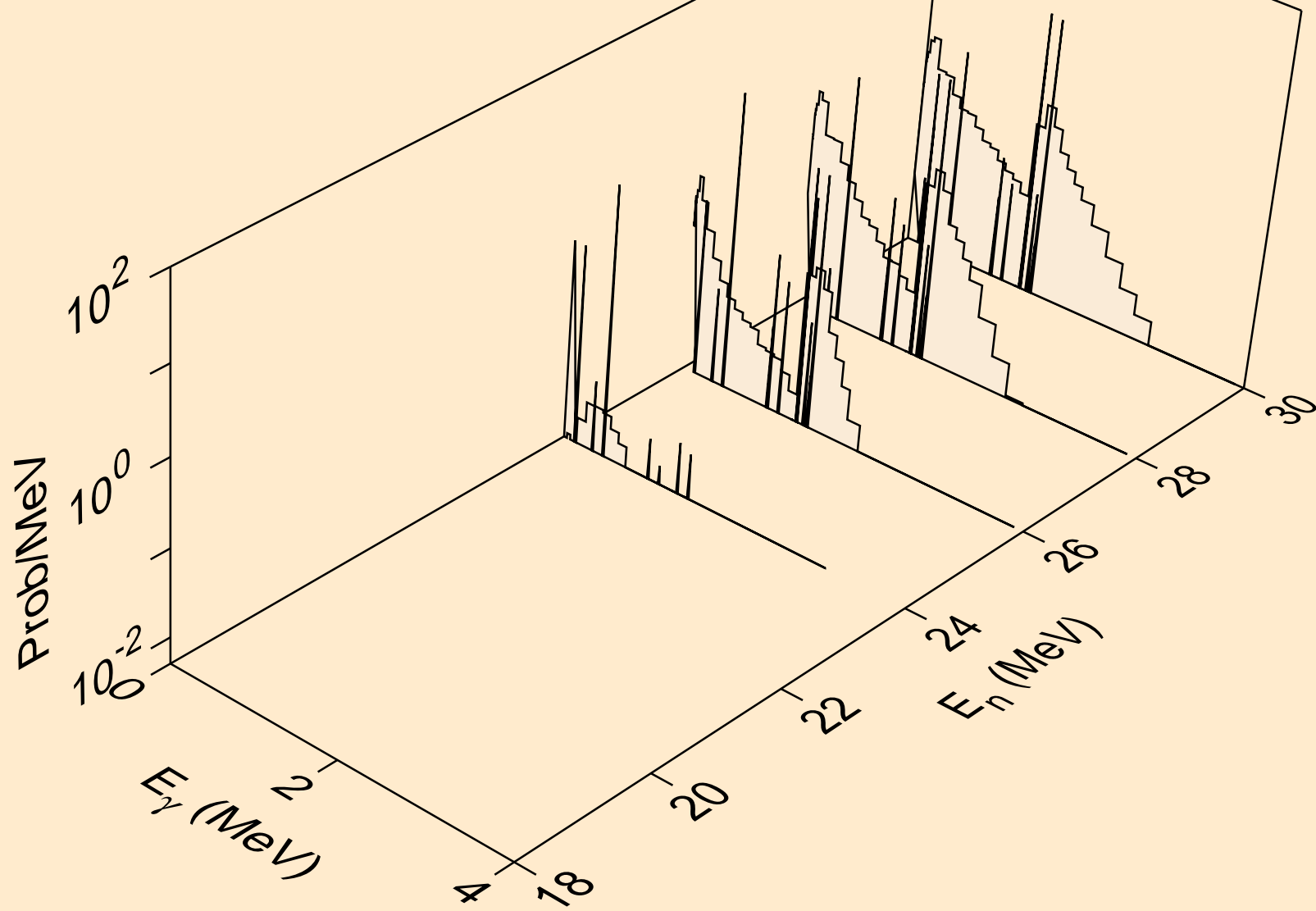
ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)



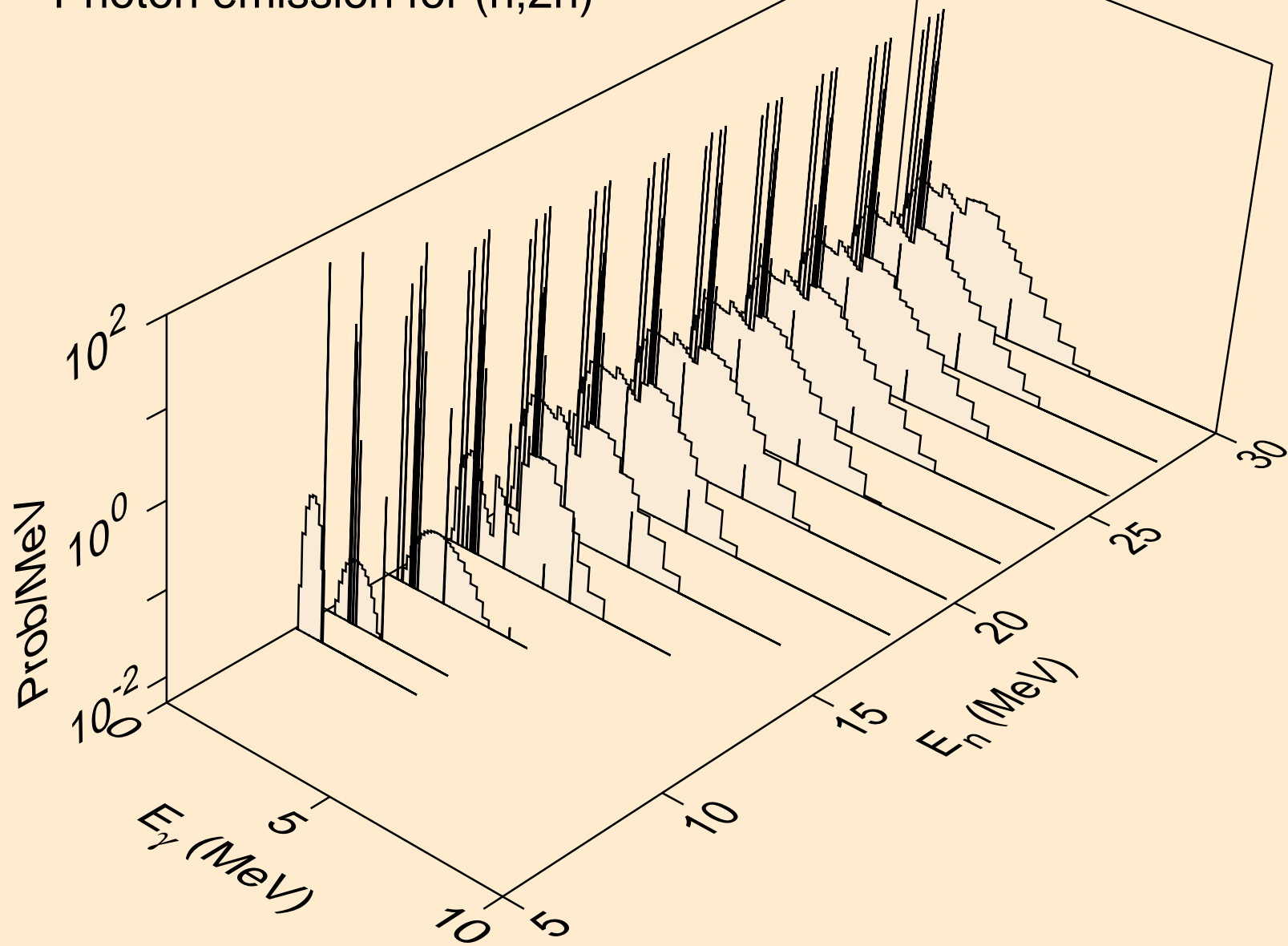
ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,x)



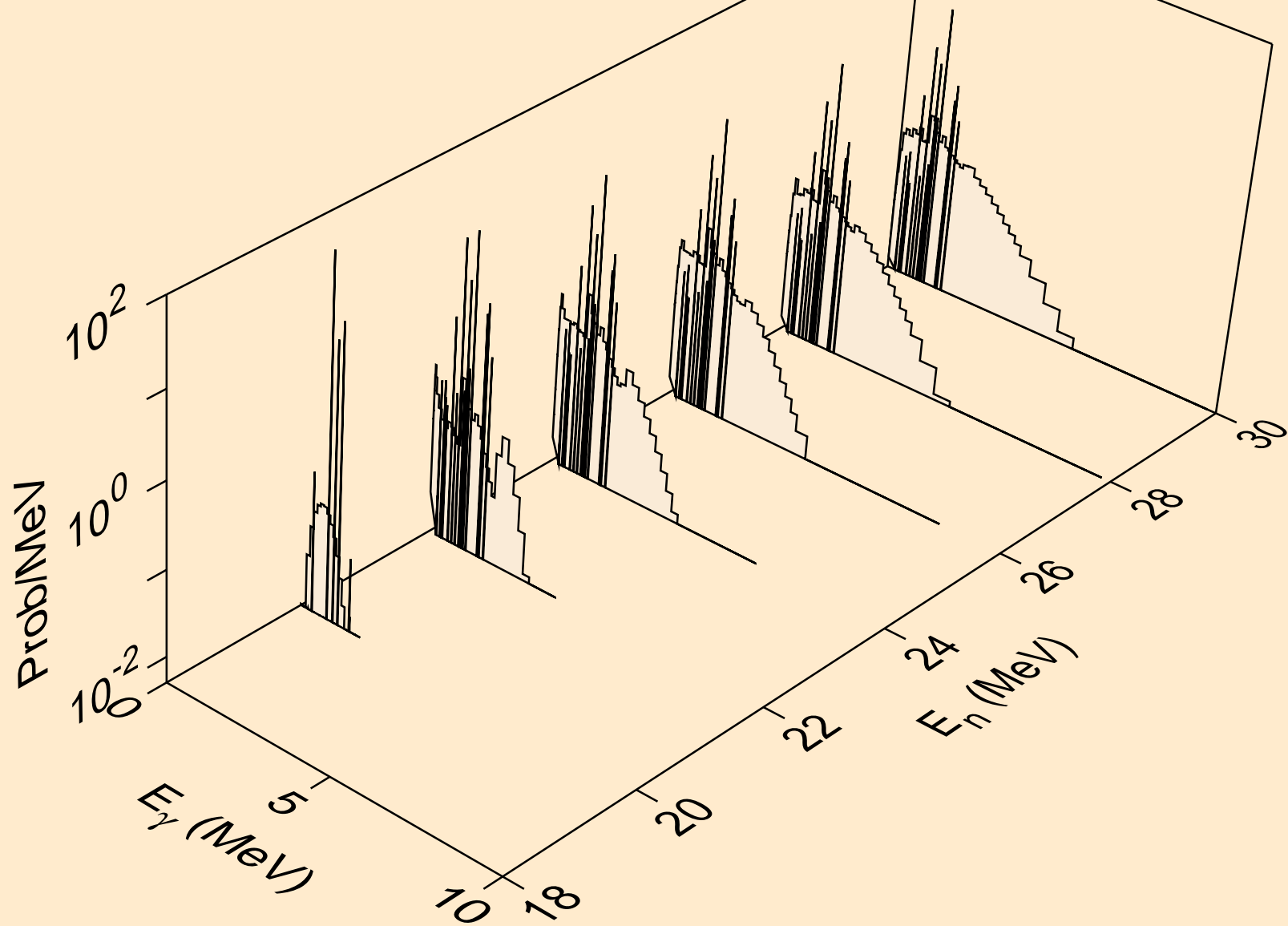
ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2nd)



ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)

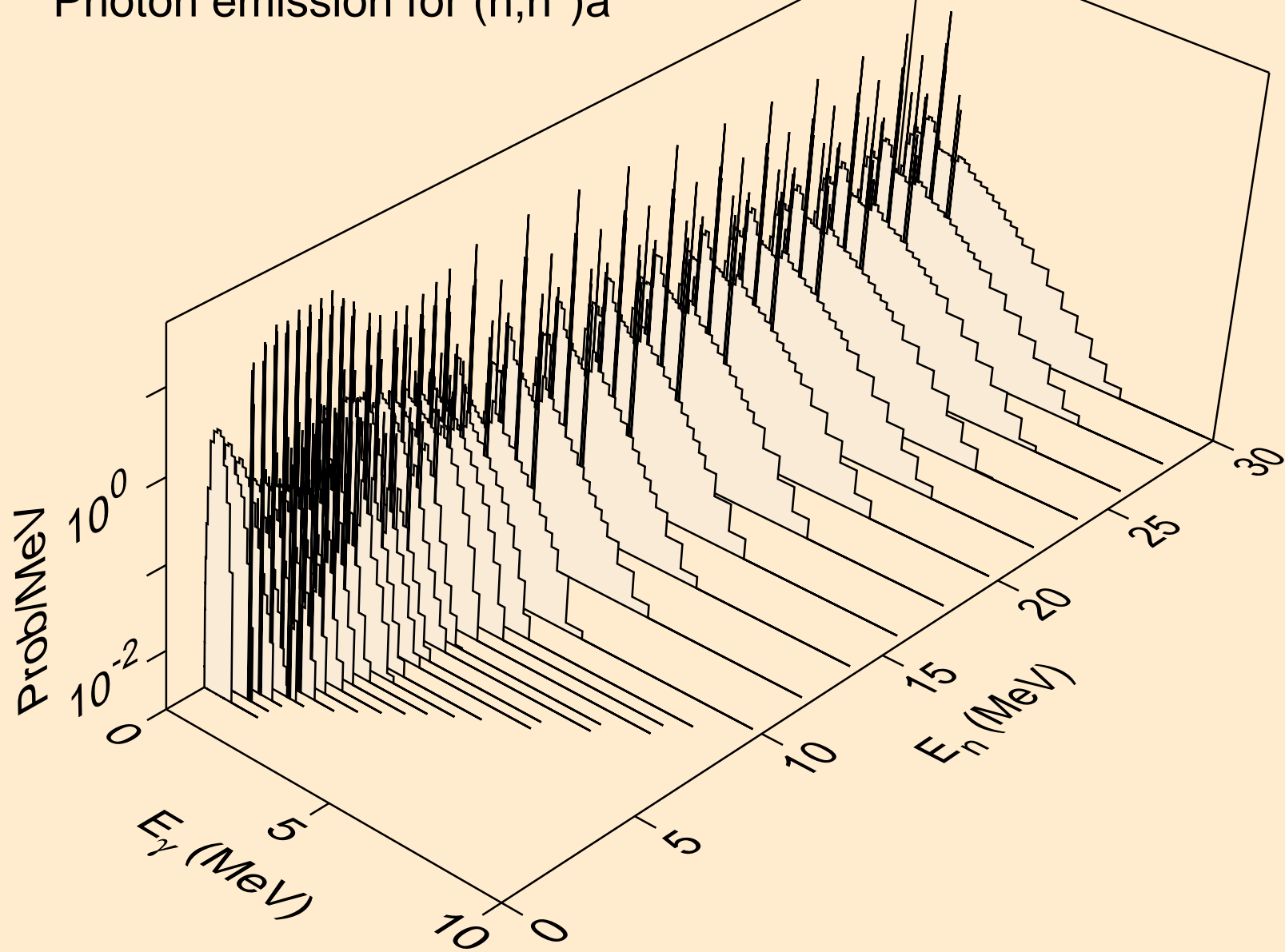


ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)

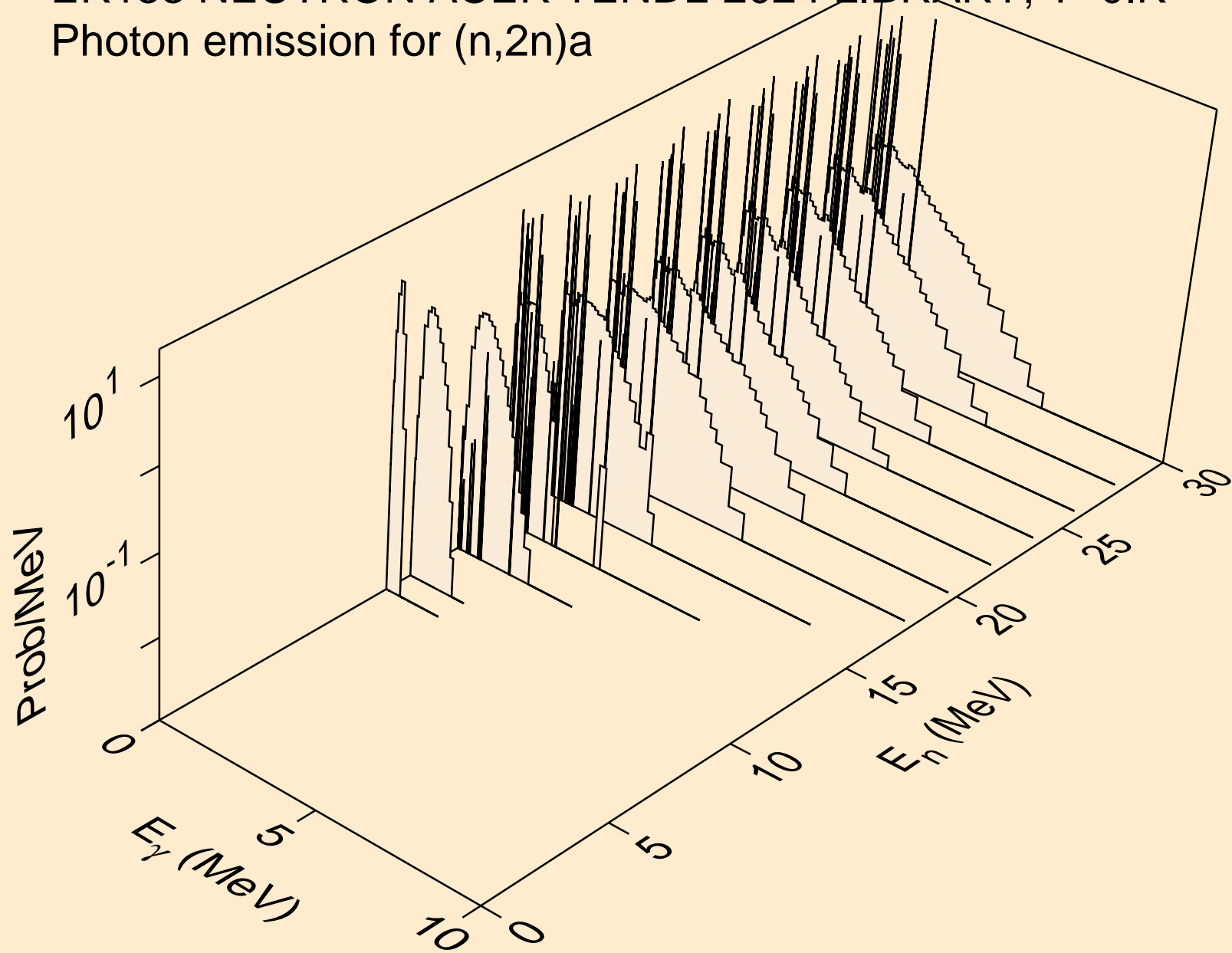




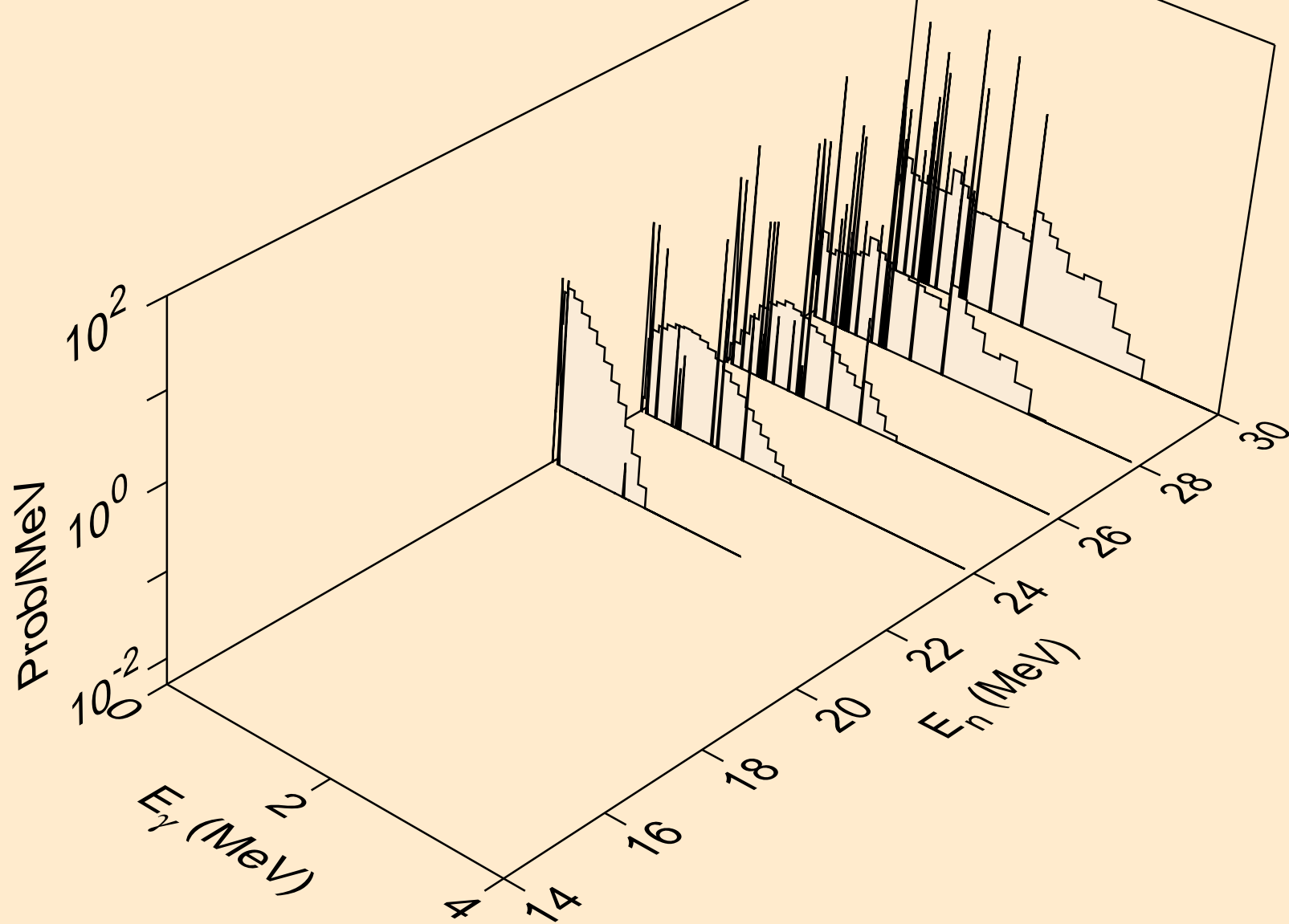
ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



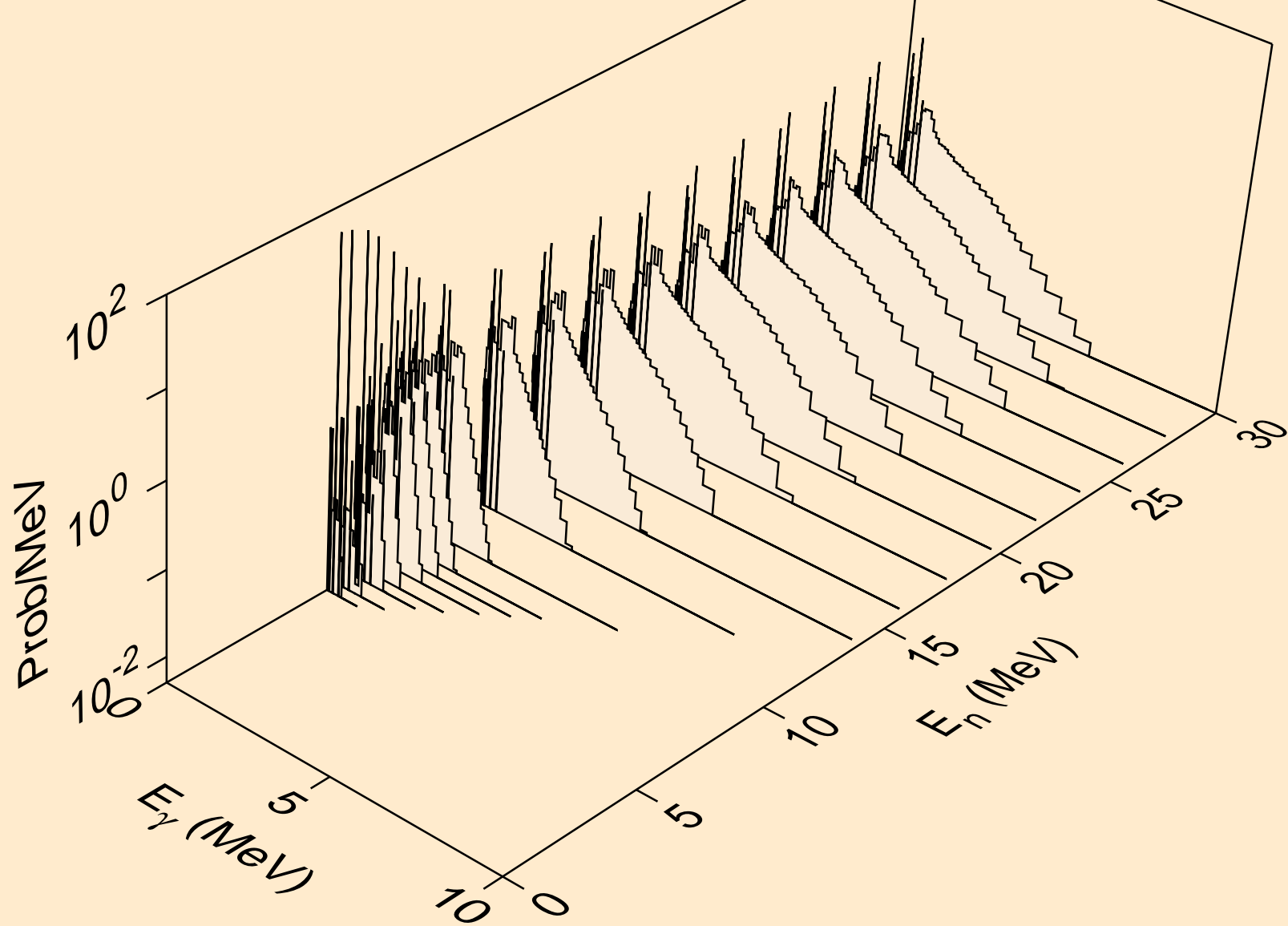
ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)a



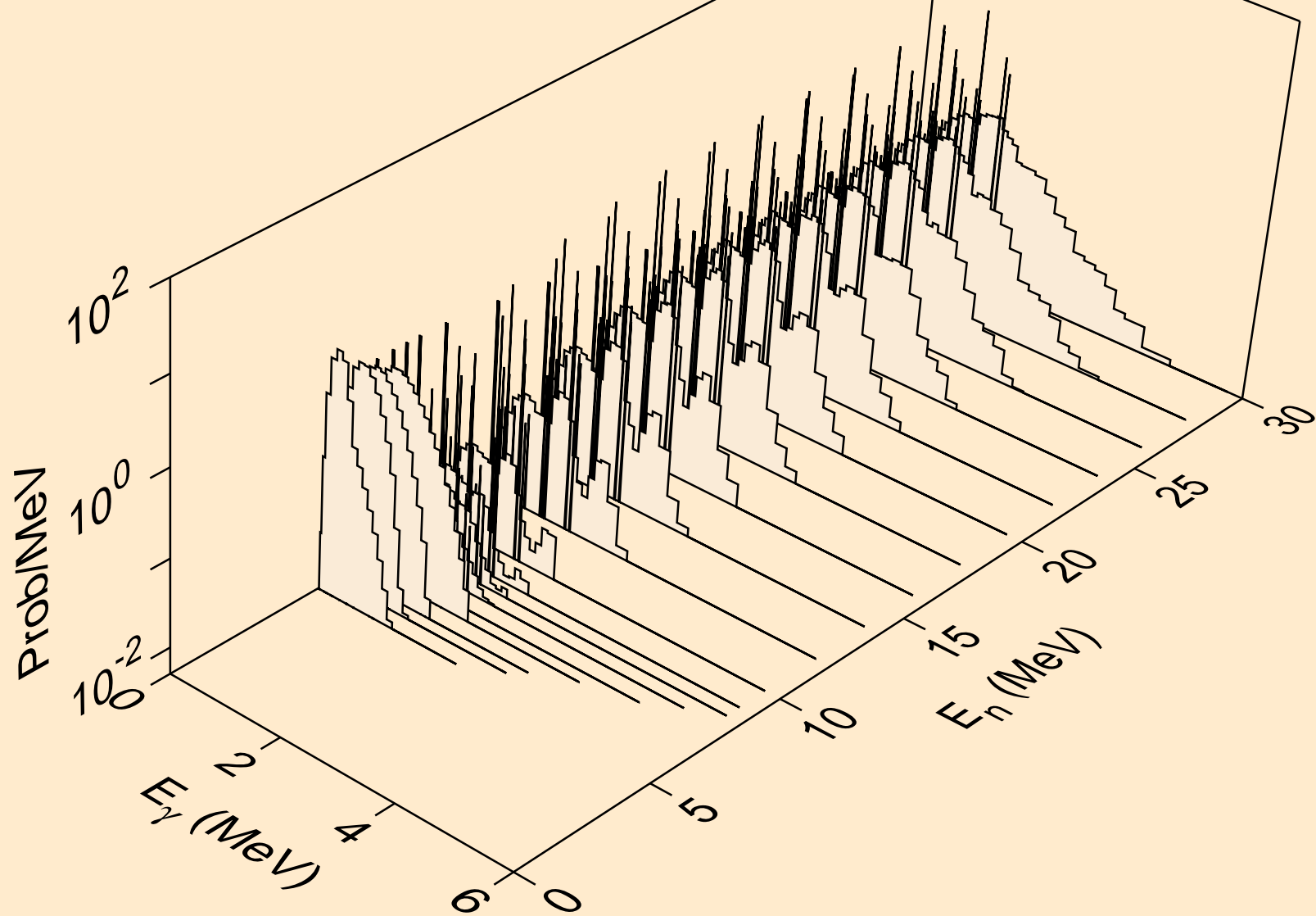
ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)a



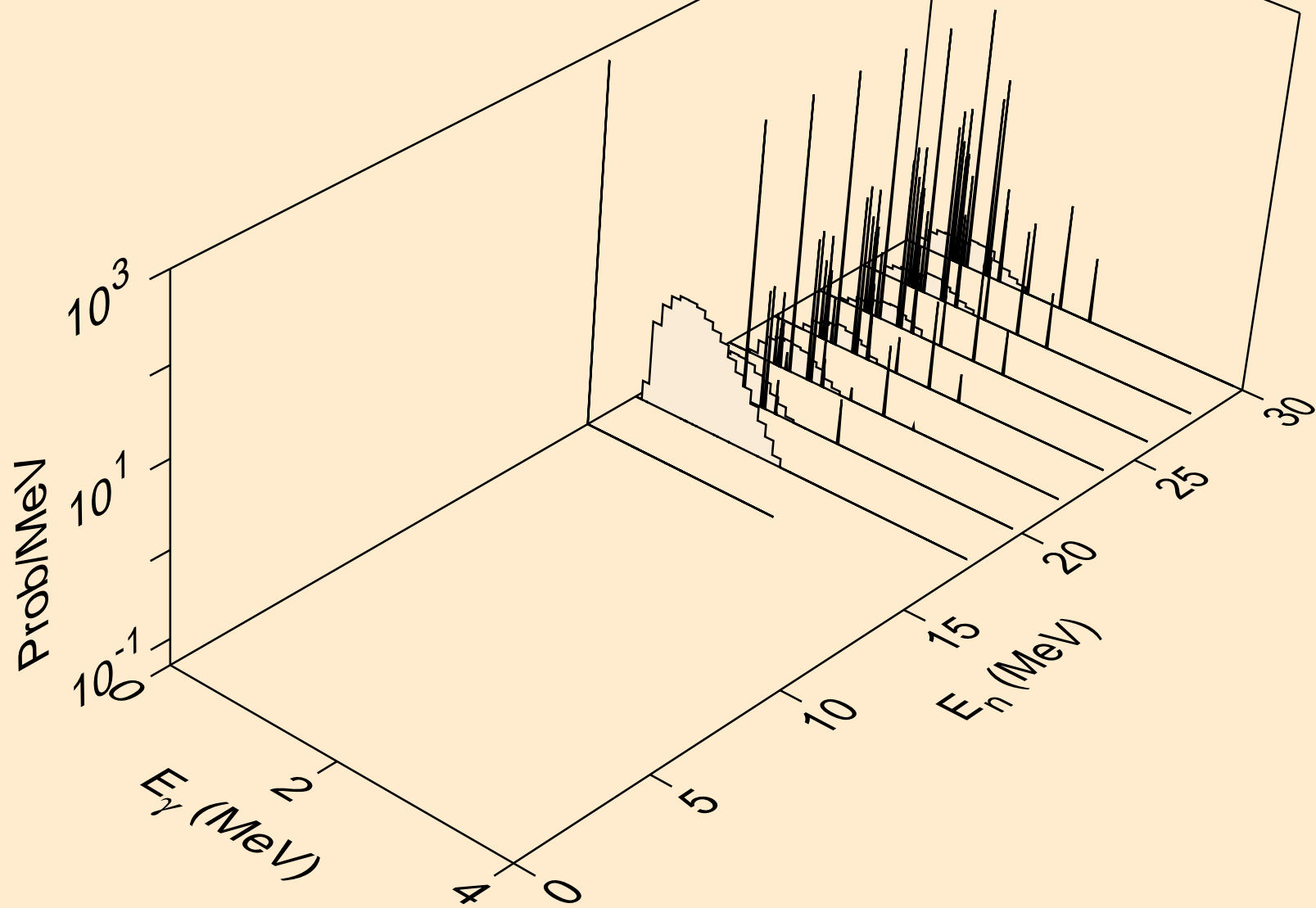
ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



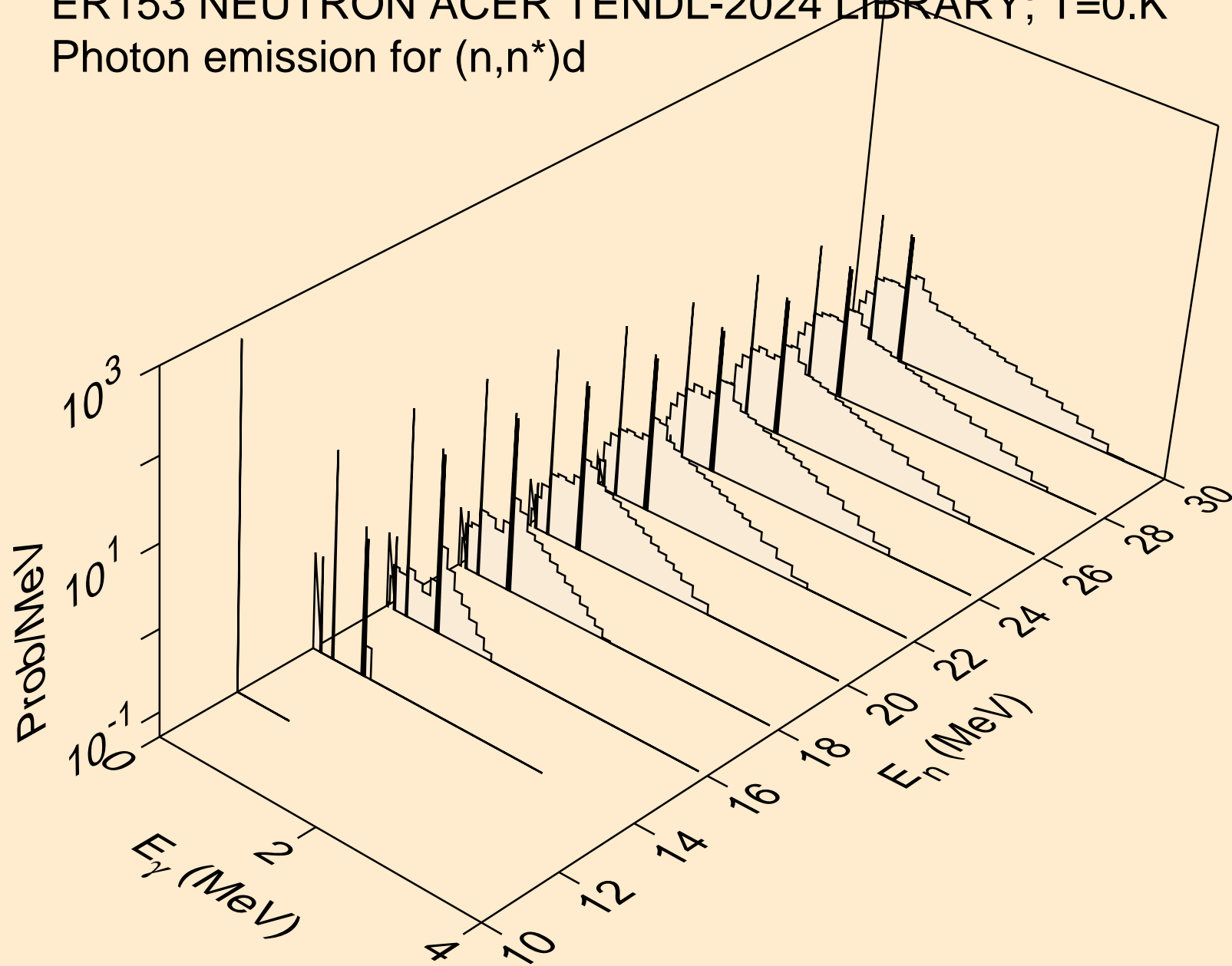
ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



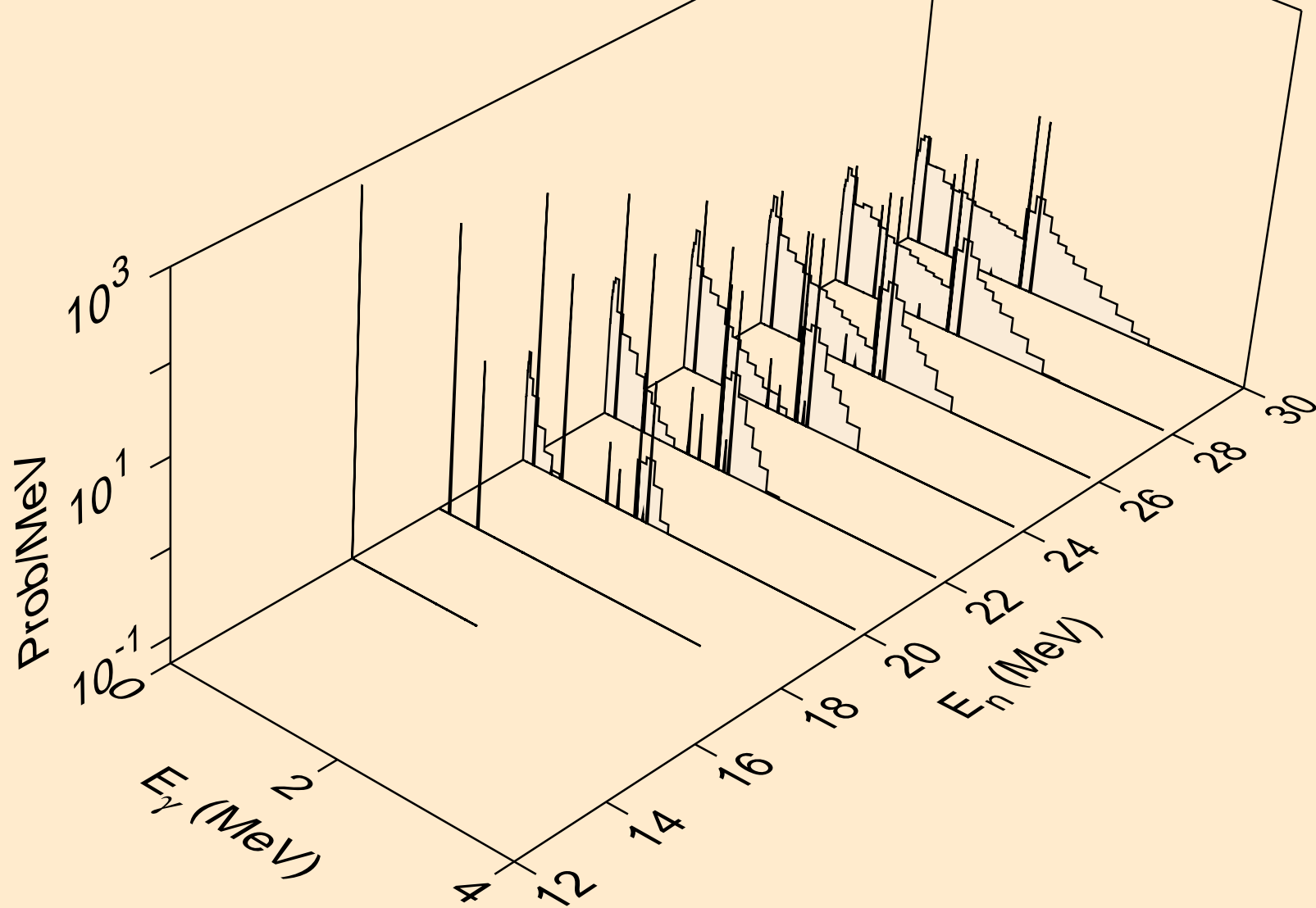
ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)2a



ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)d

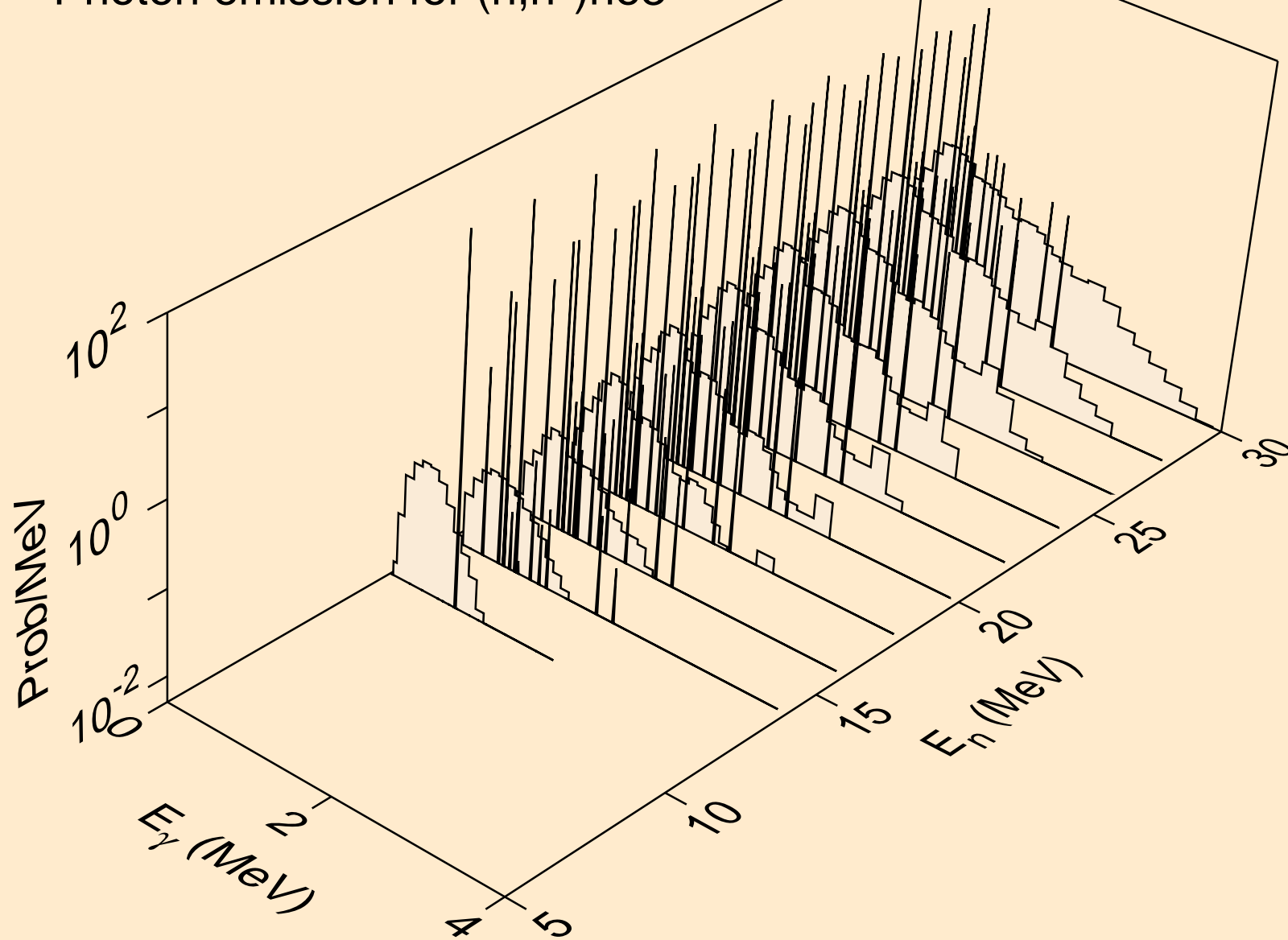


ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)t

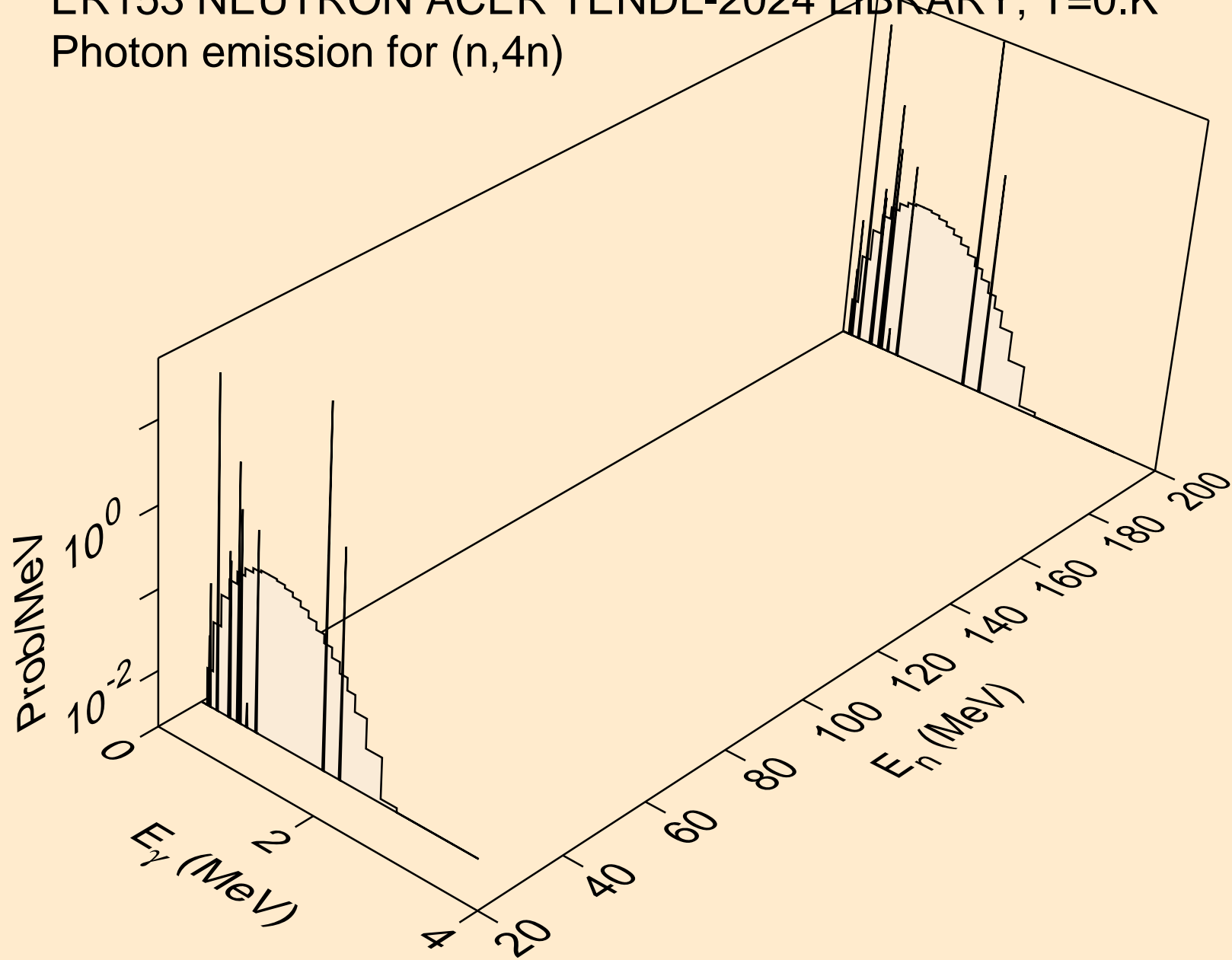




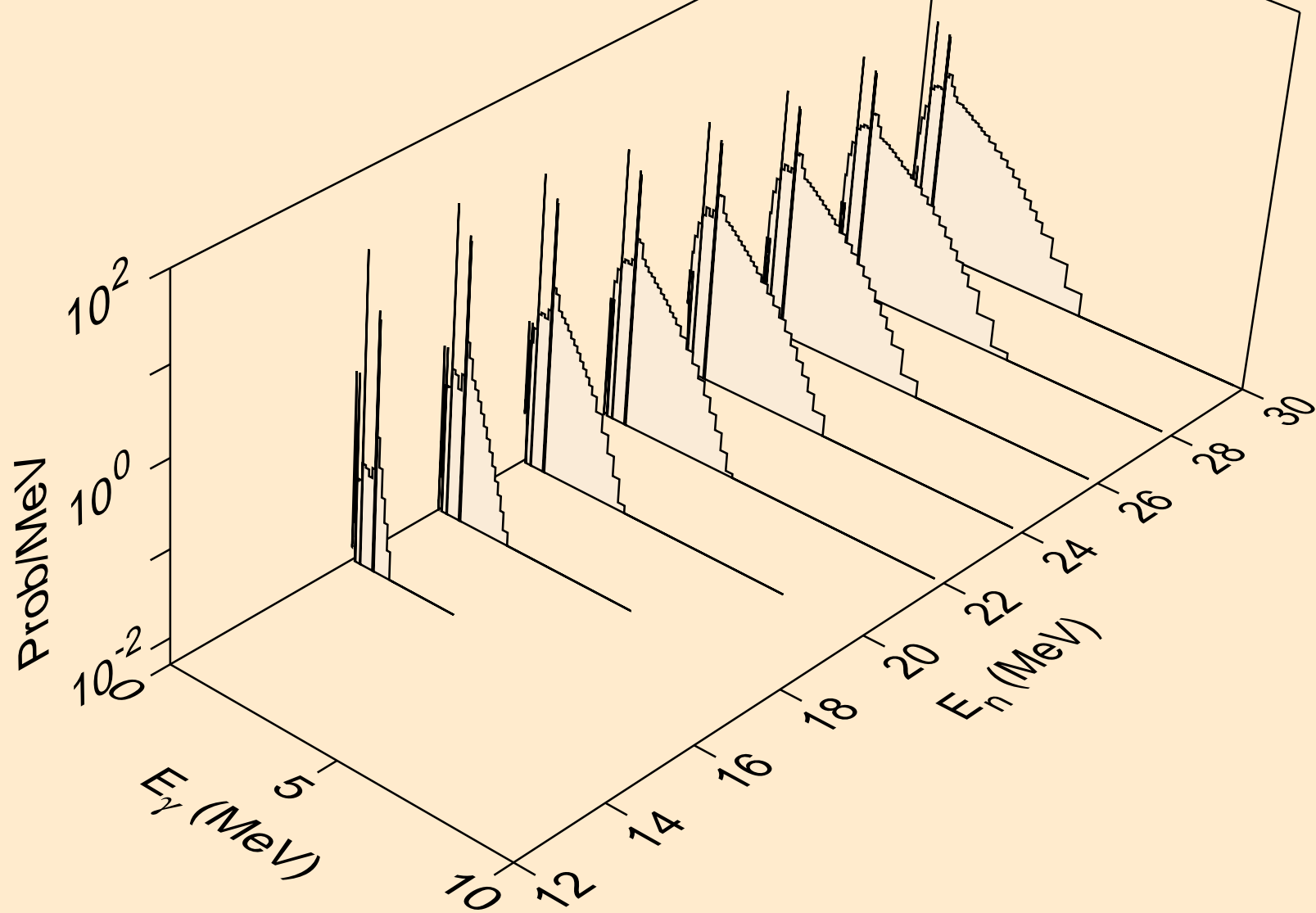
ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



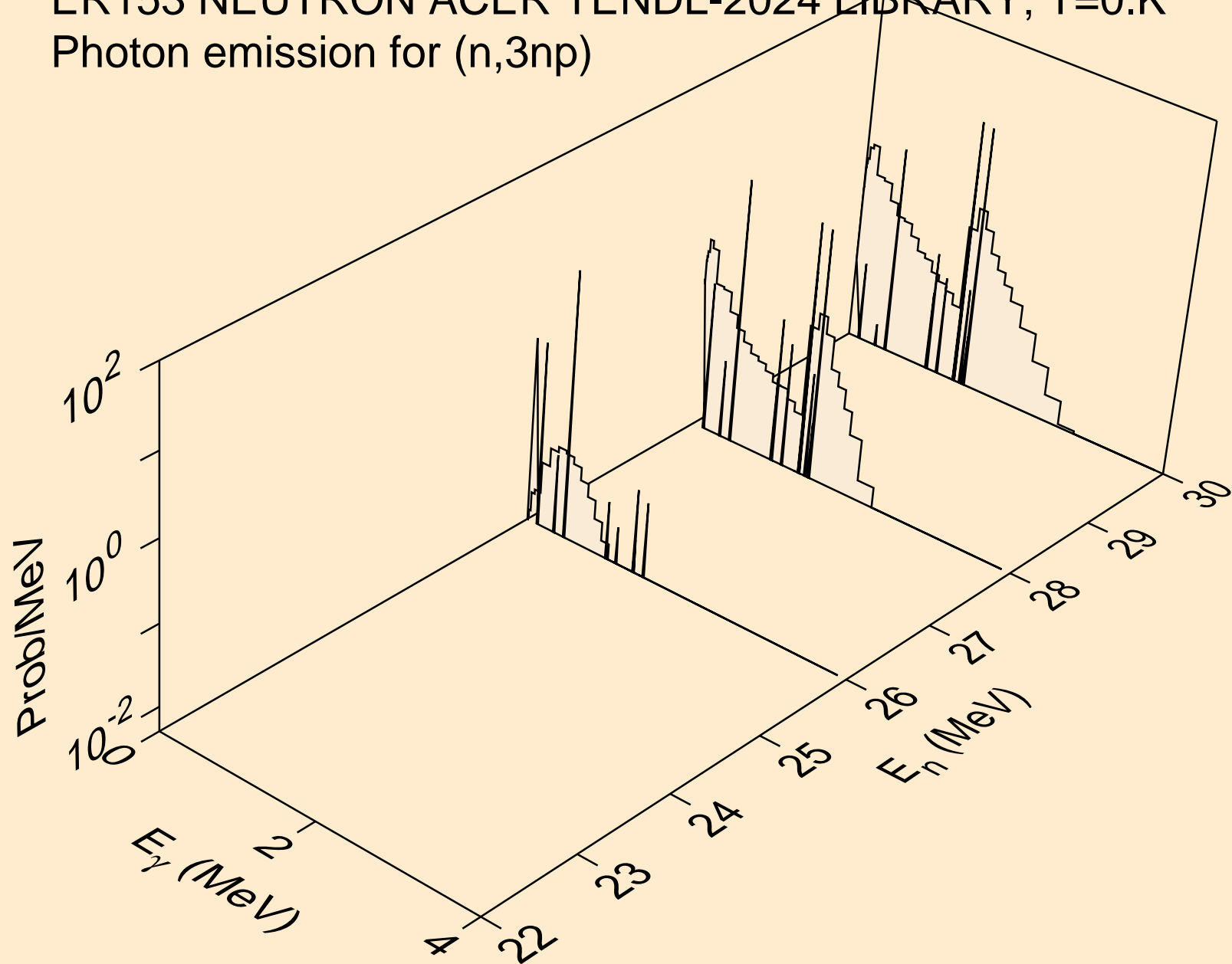
ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,4n)



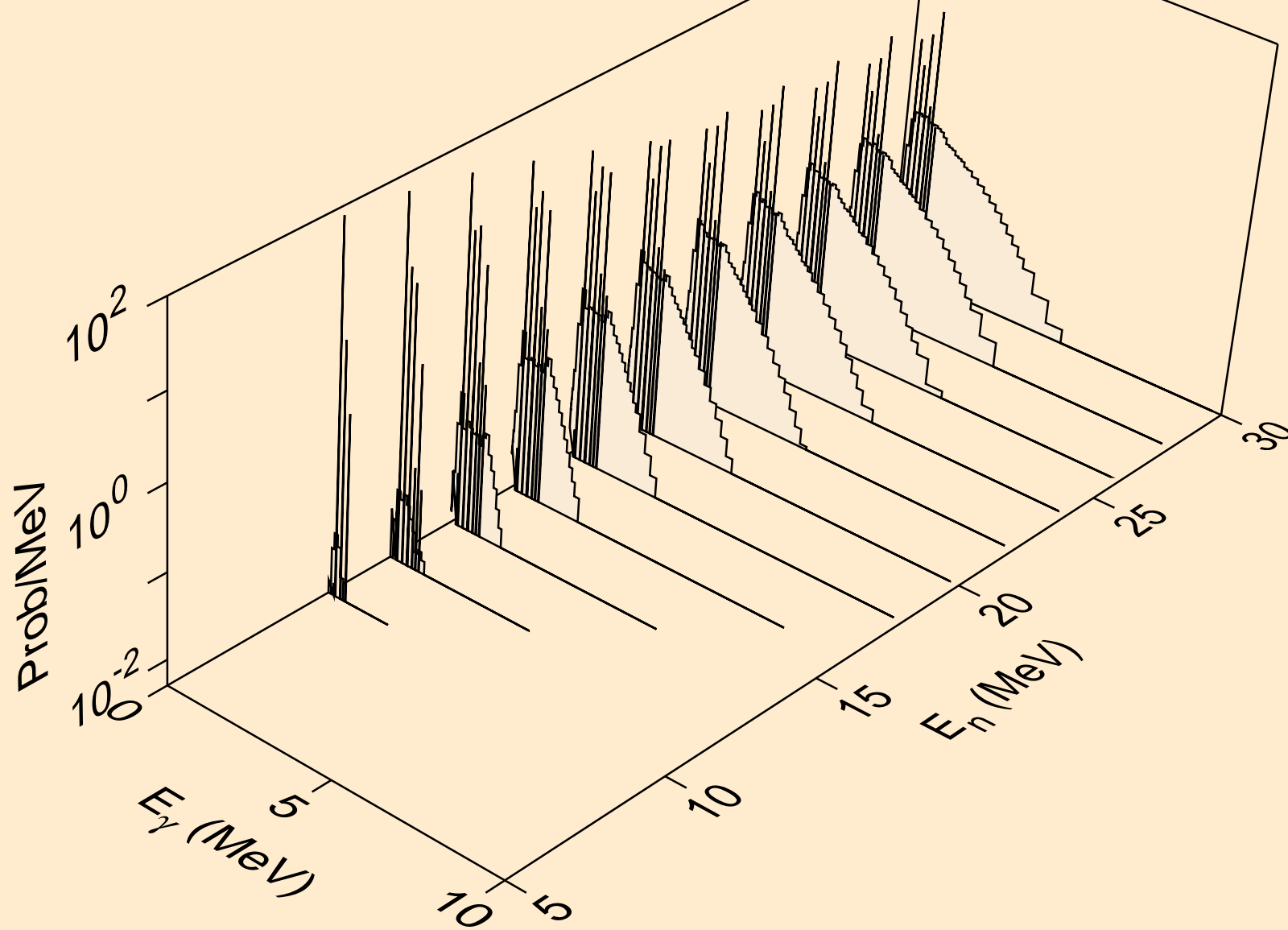
ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2np)



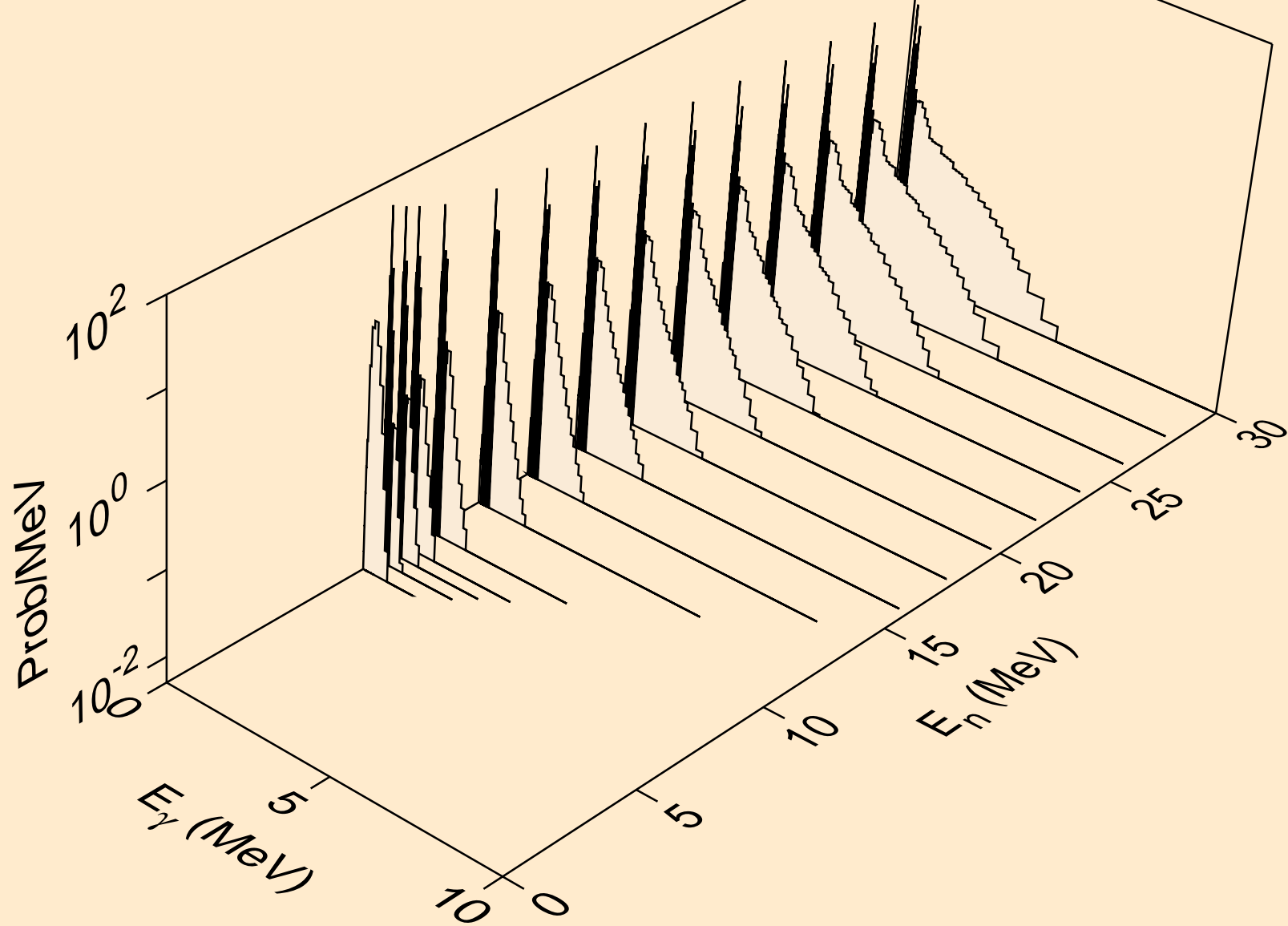
ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3np)



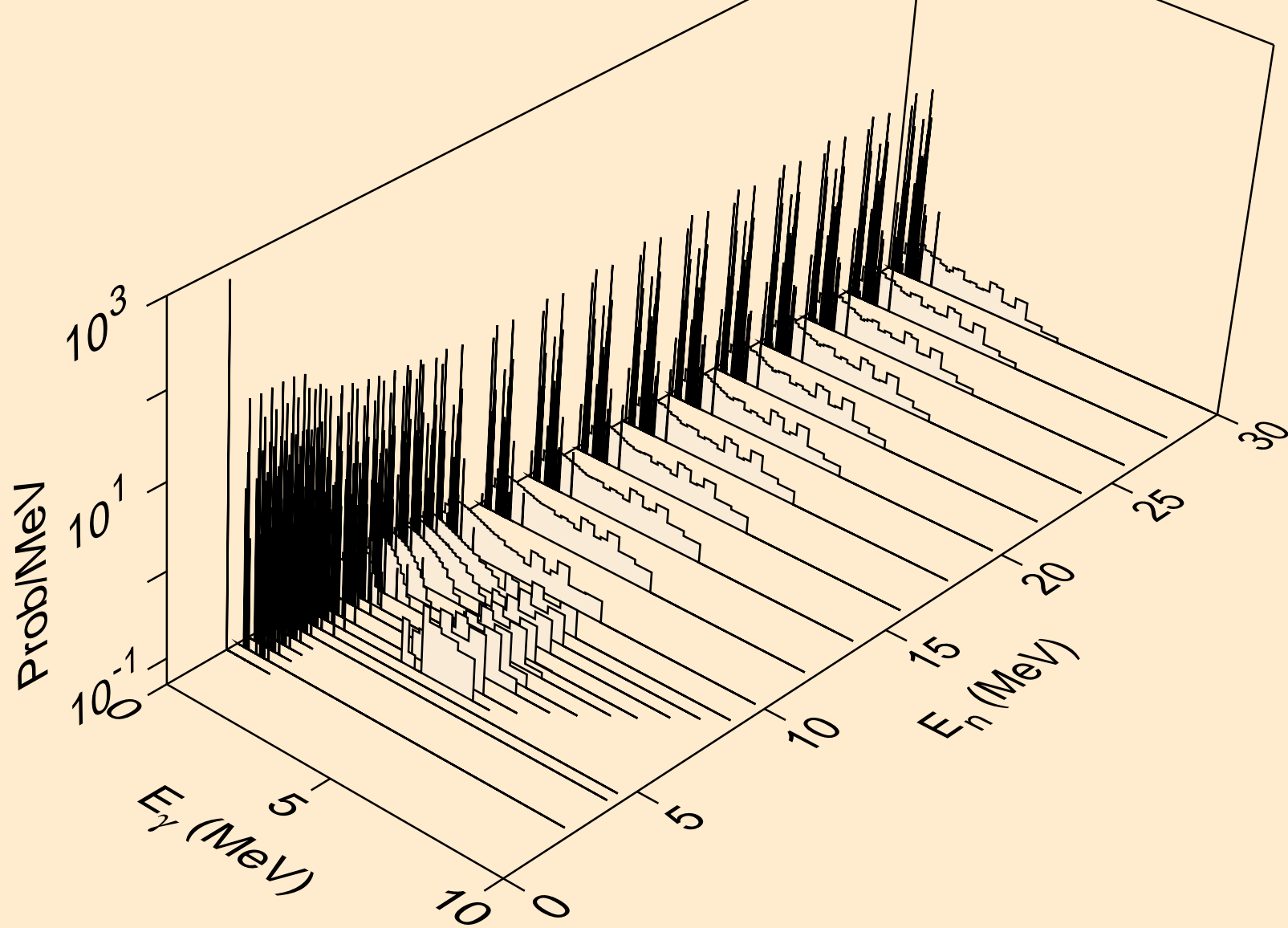
ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n2p)



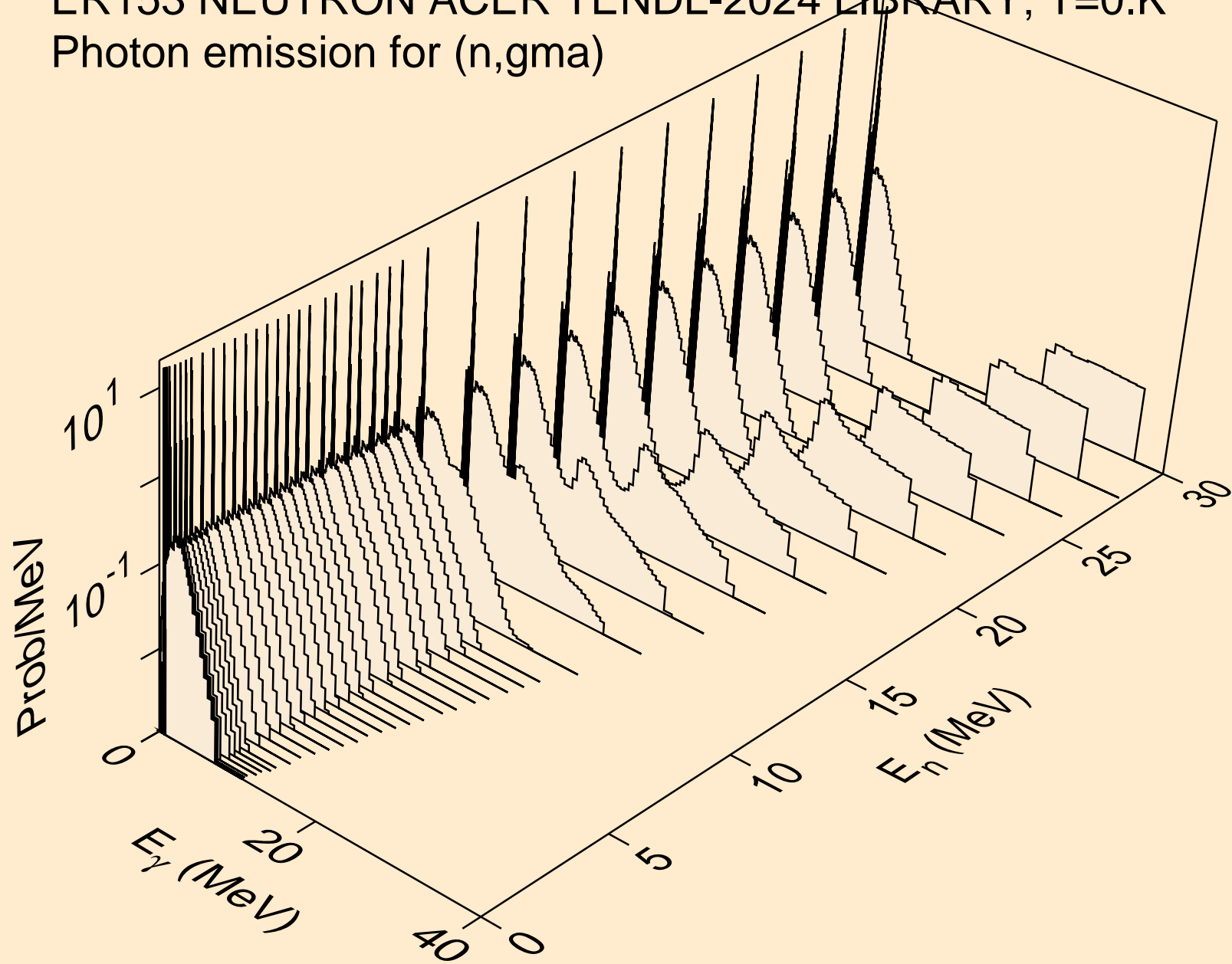
ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,npa)



ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*c)

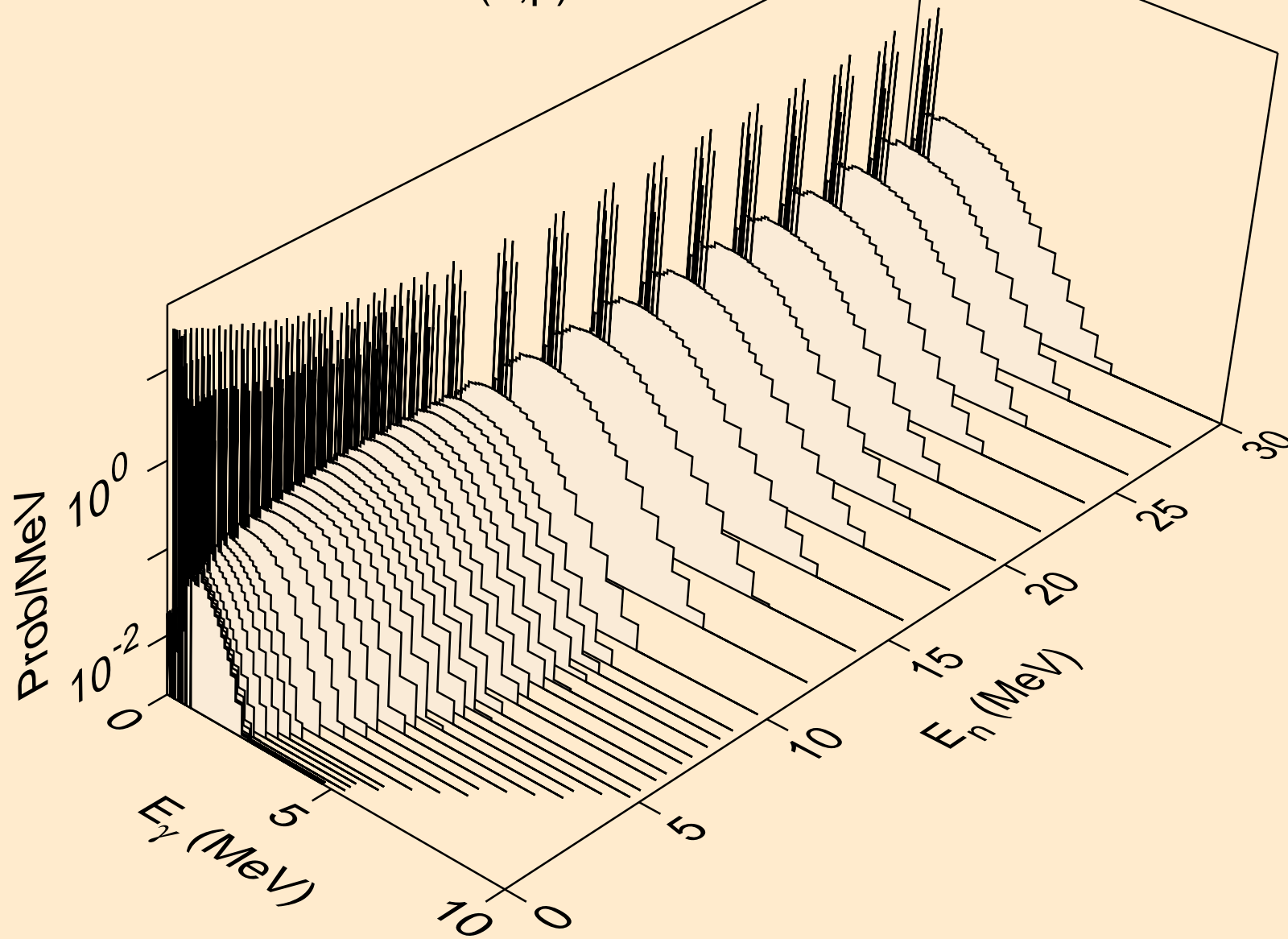


ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,gma)

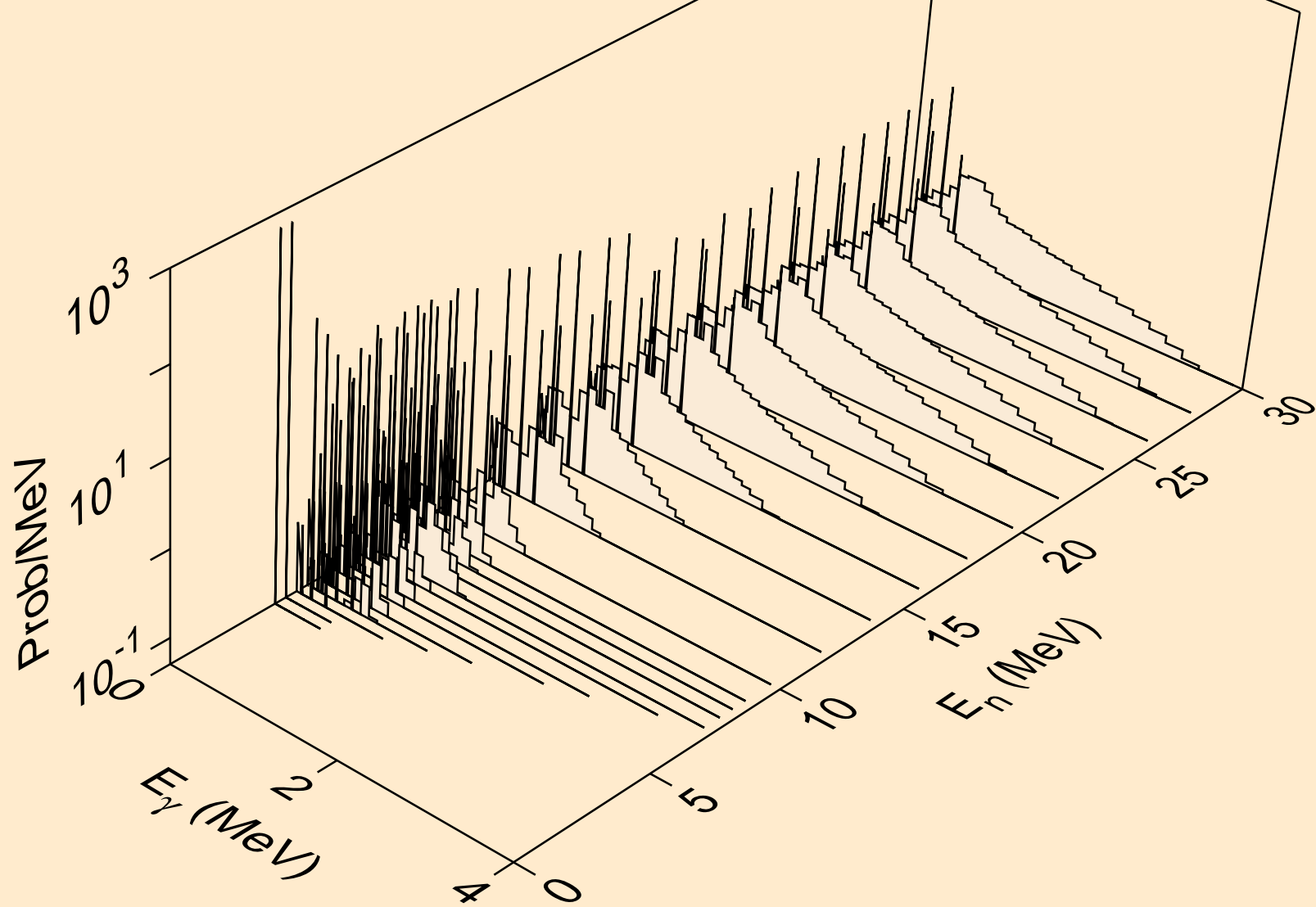




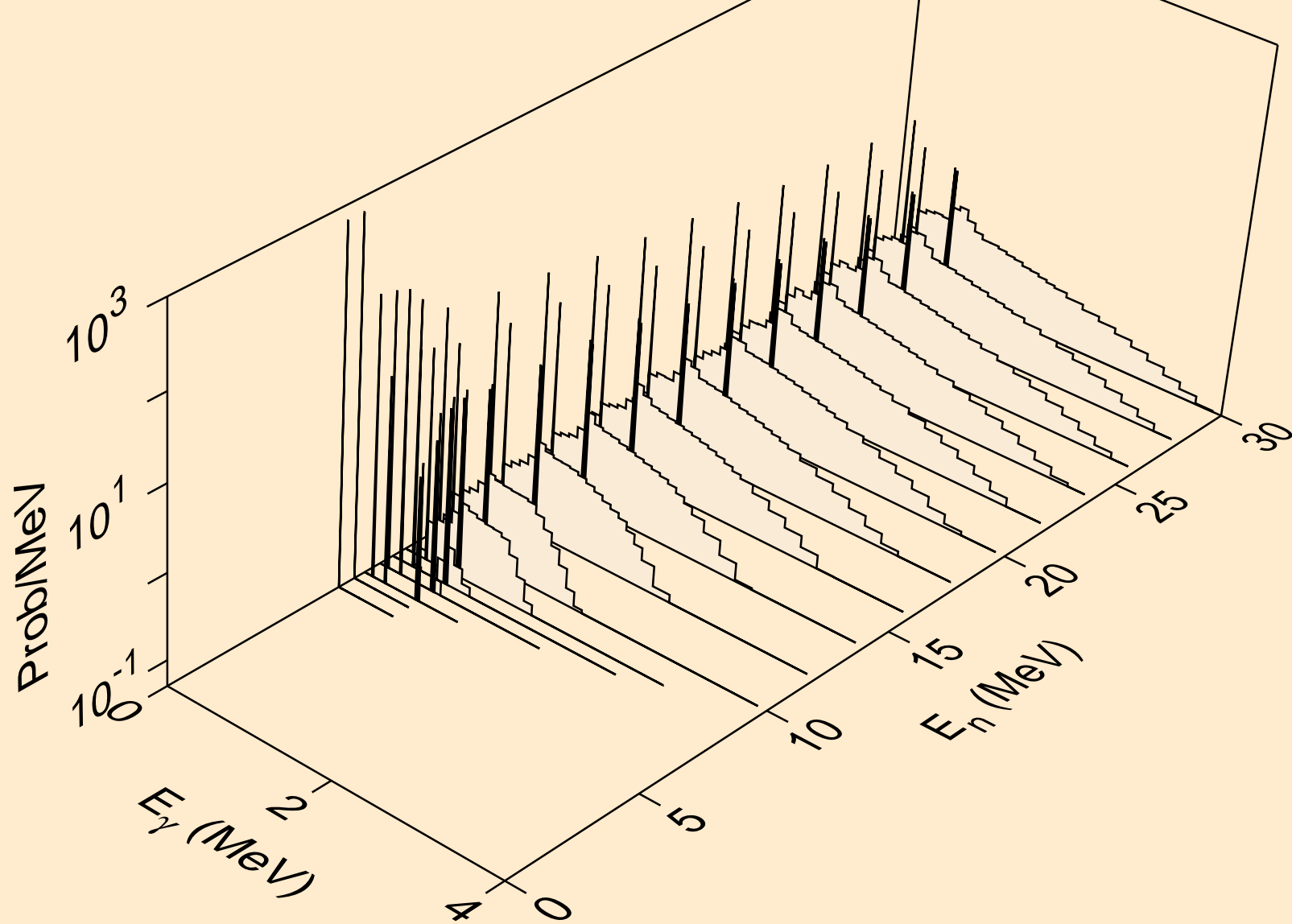
ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p)



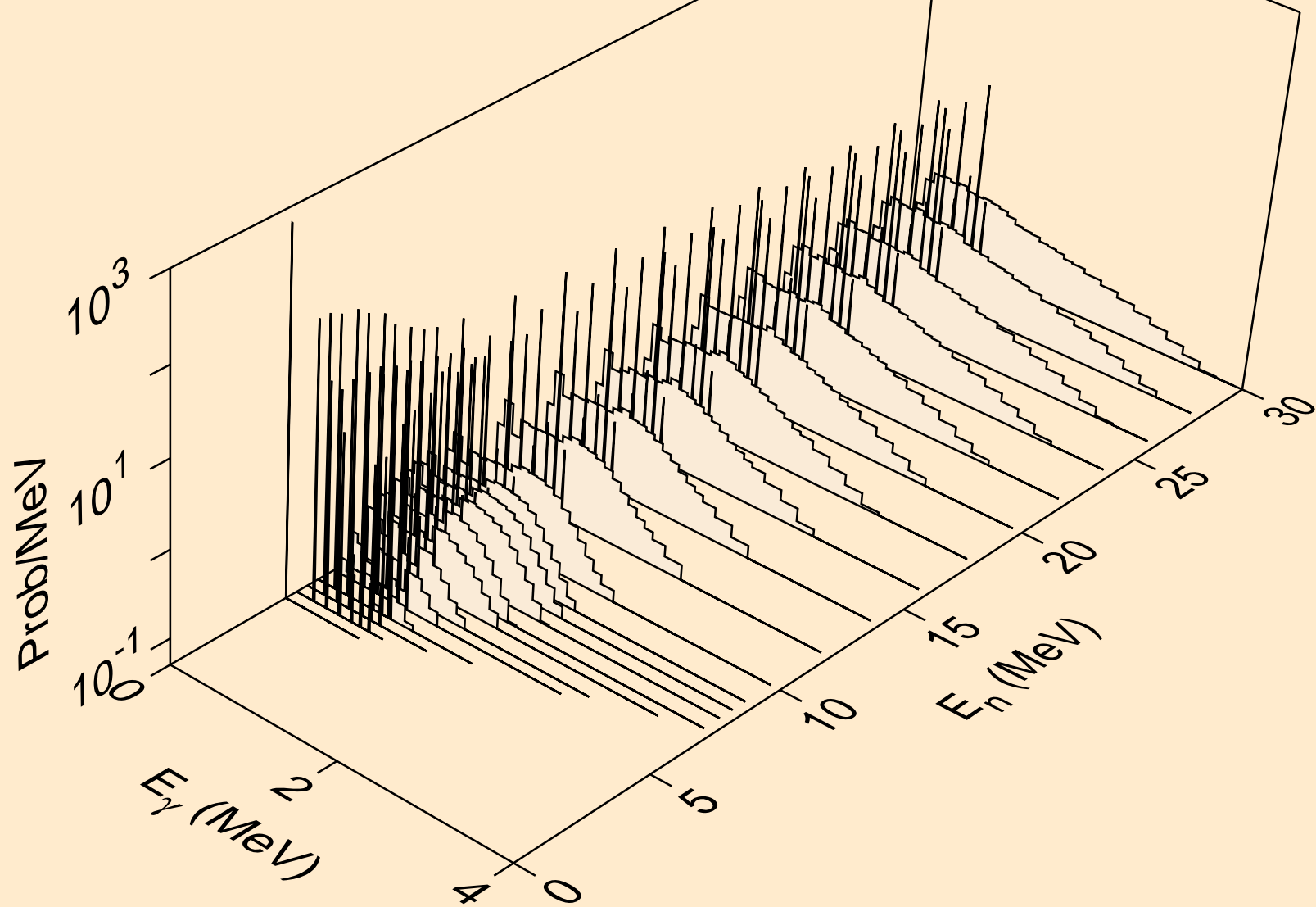
ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,d)



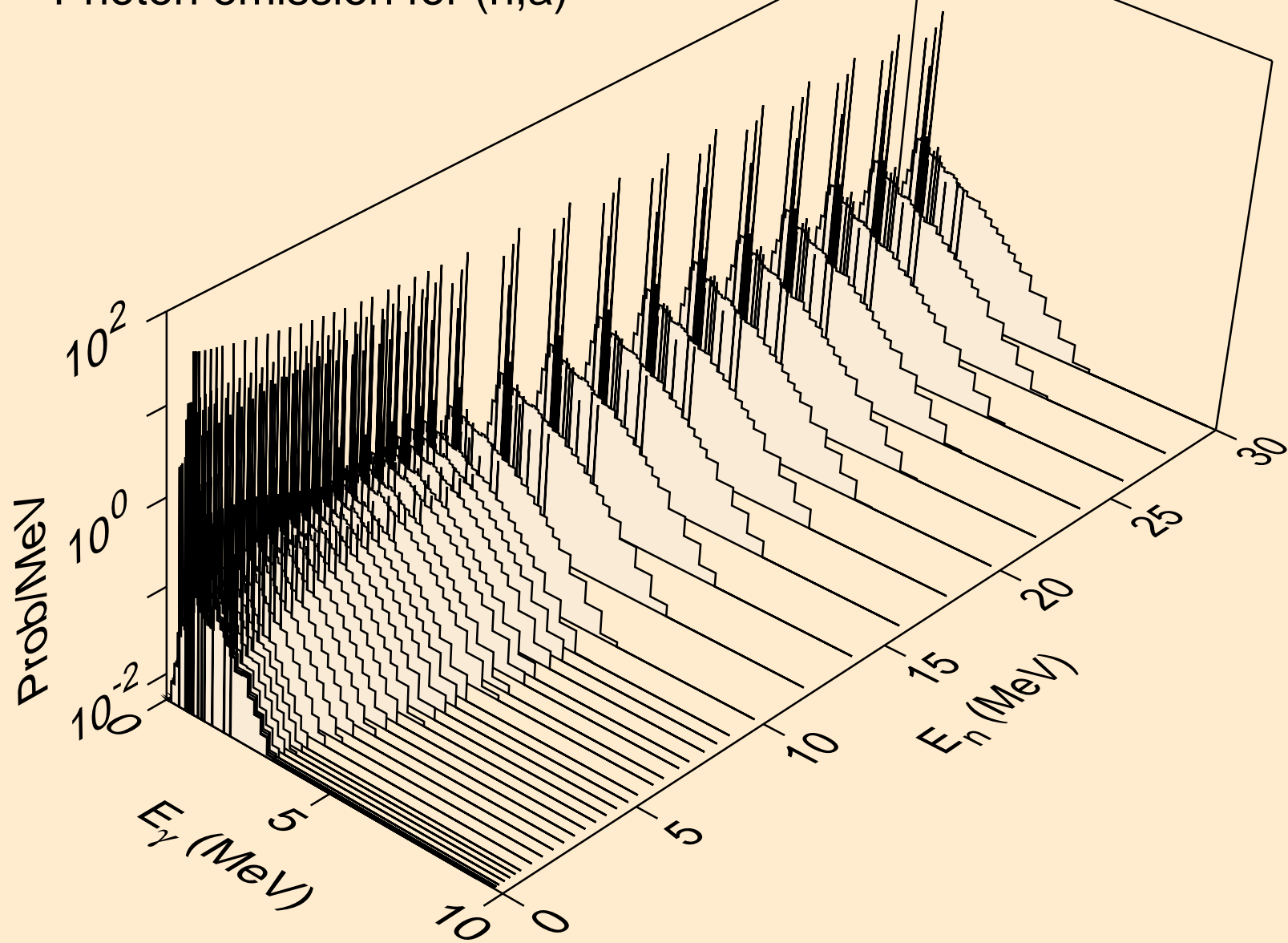
ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,t)



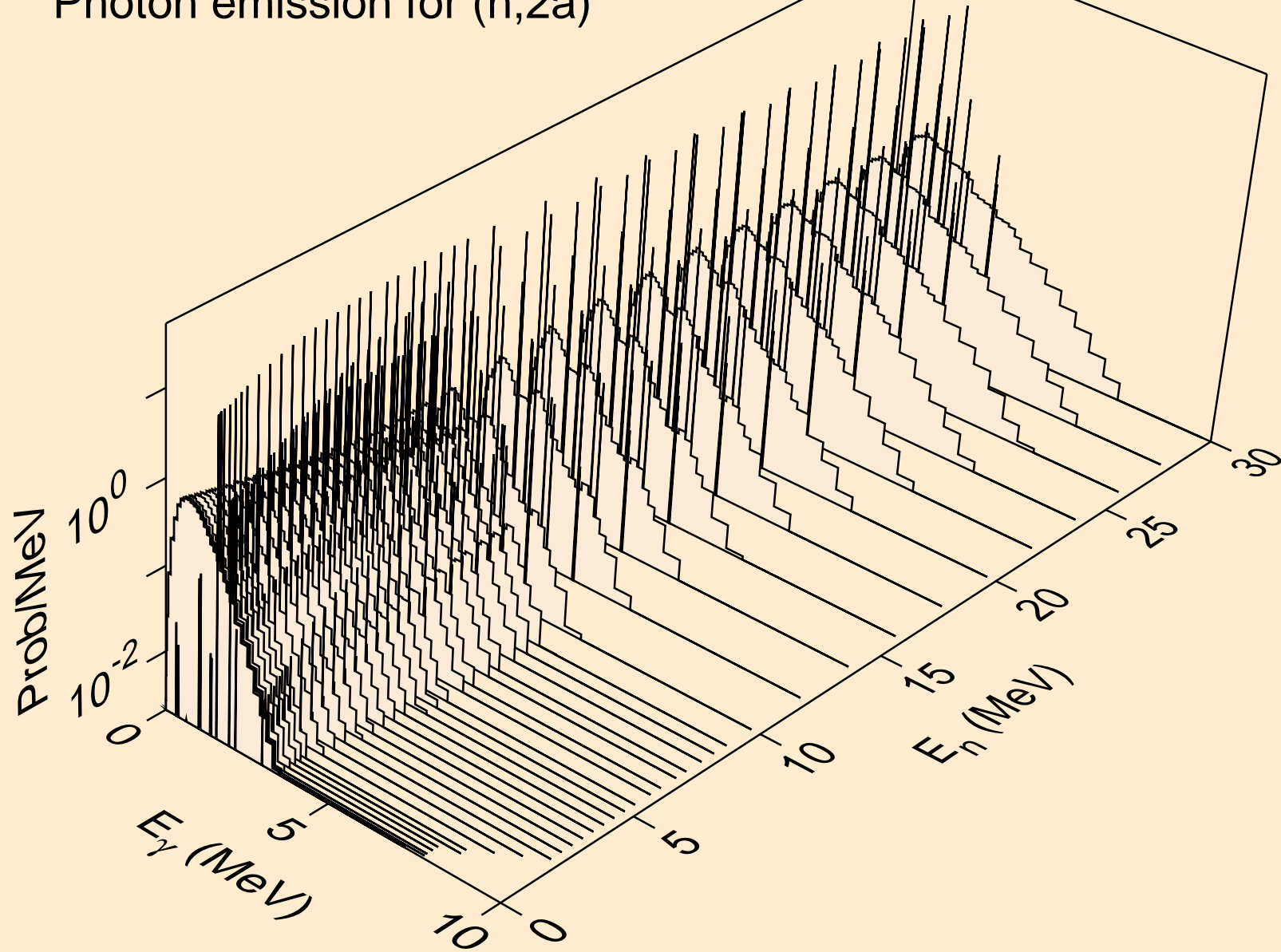
ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,he3)



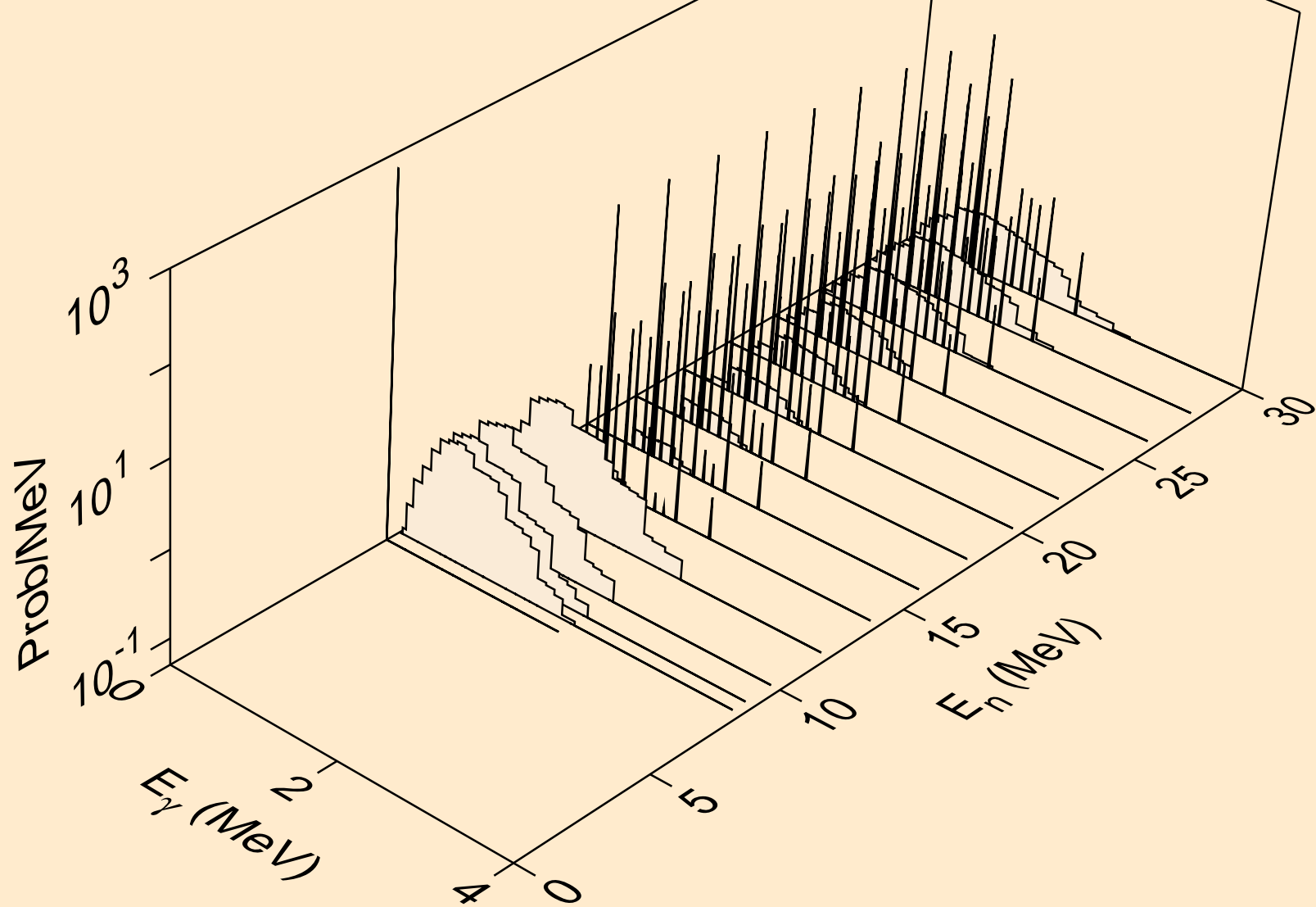
ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,a)



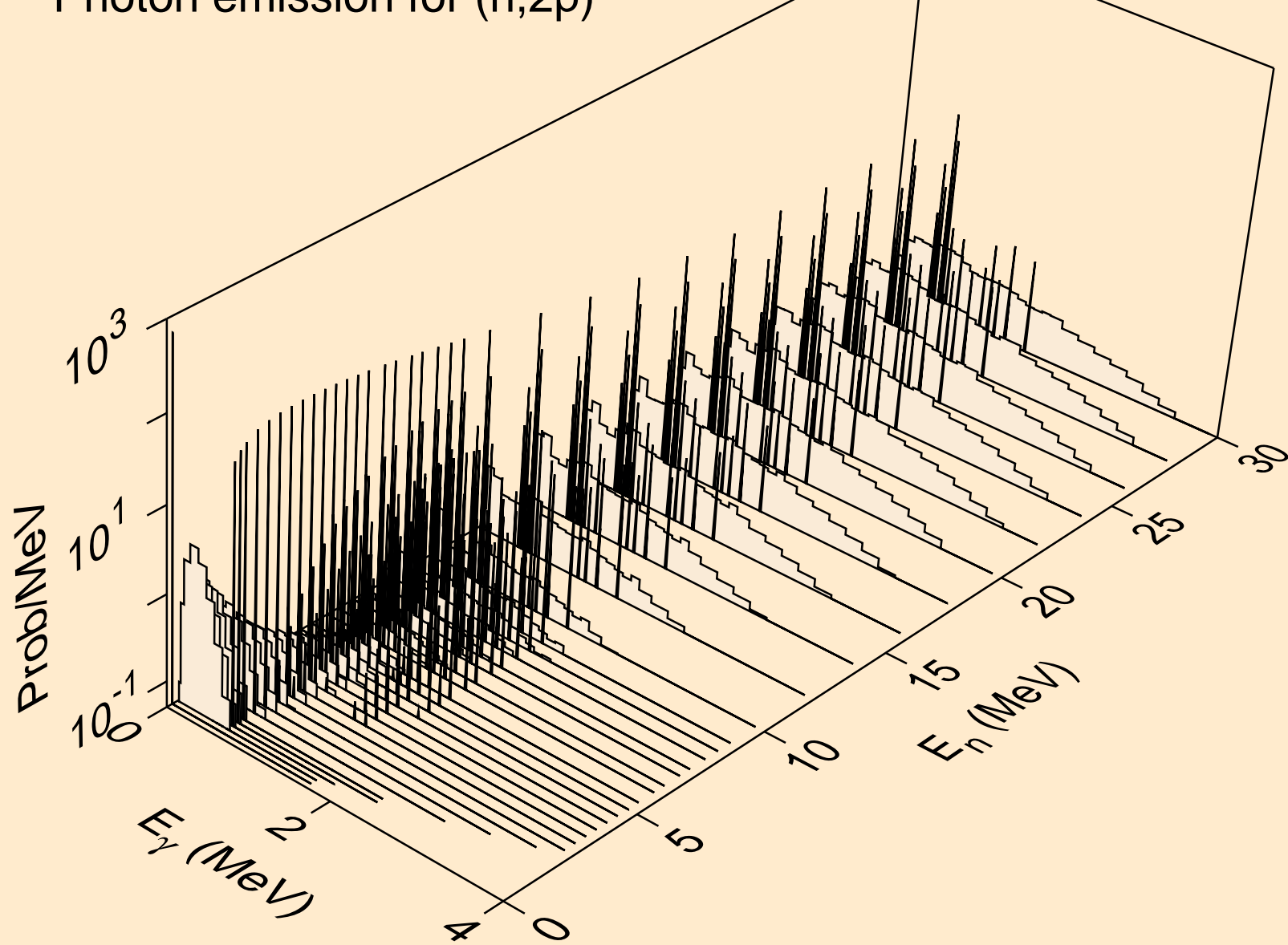
ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2a)



ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3a)

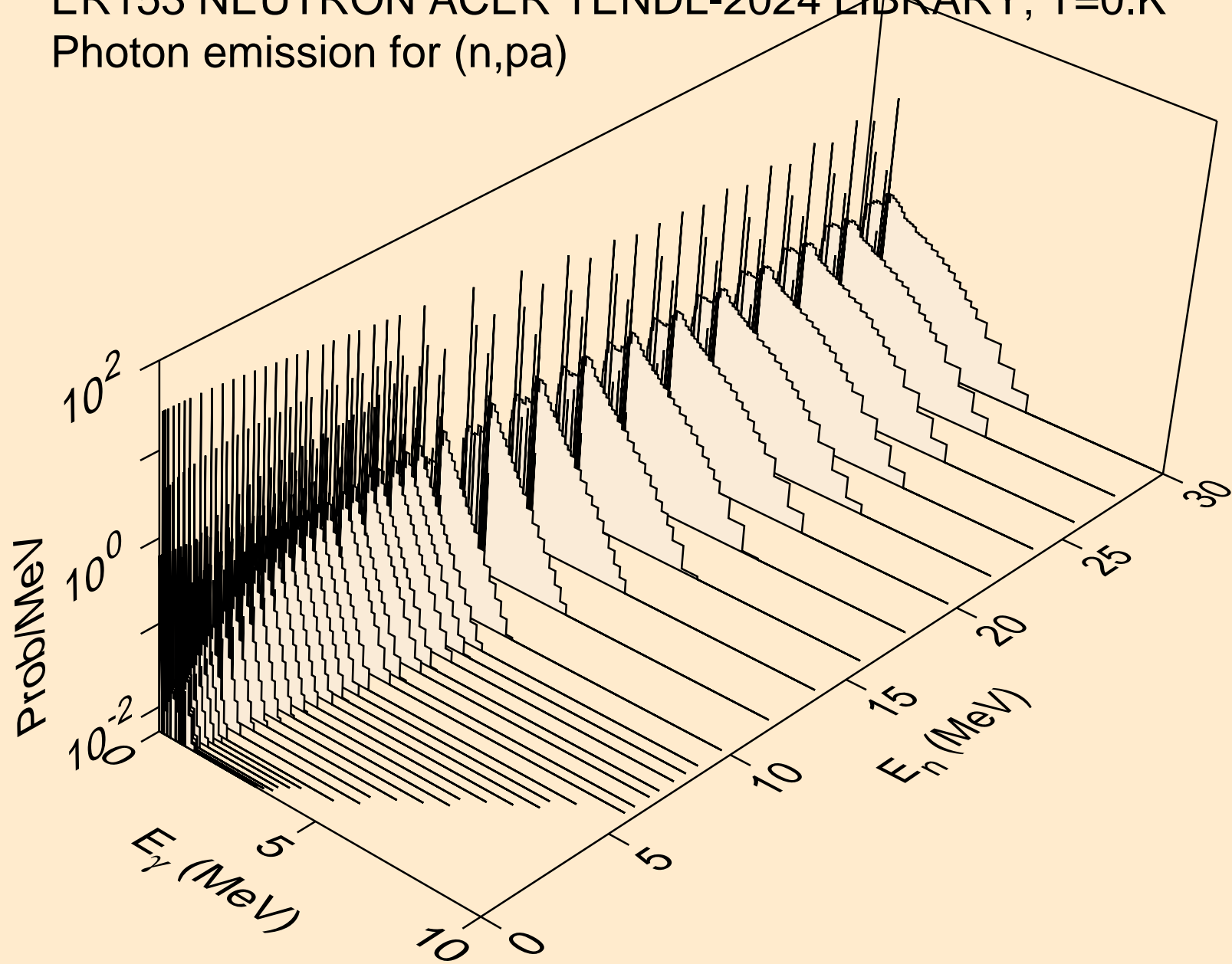


ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2p)

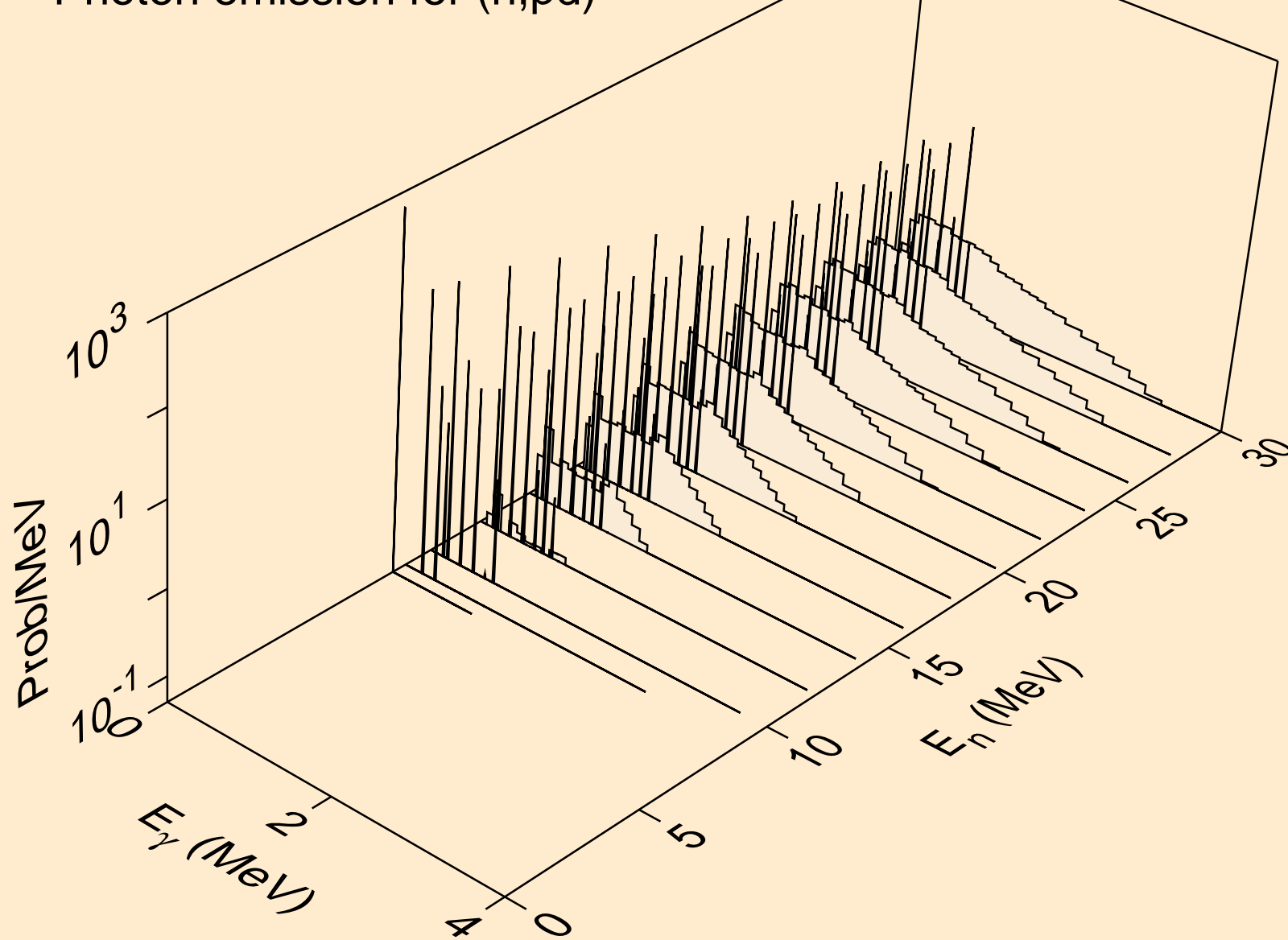




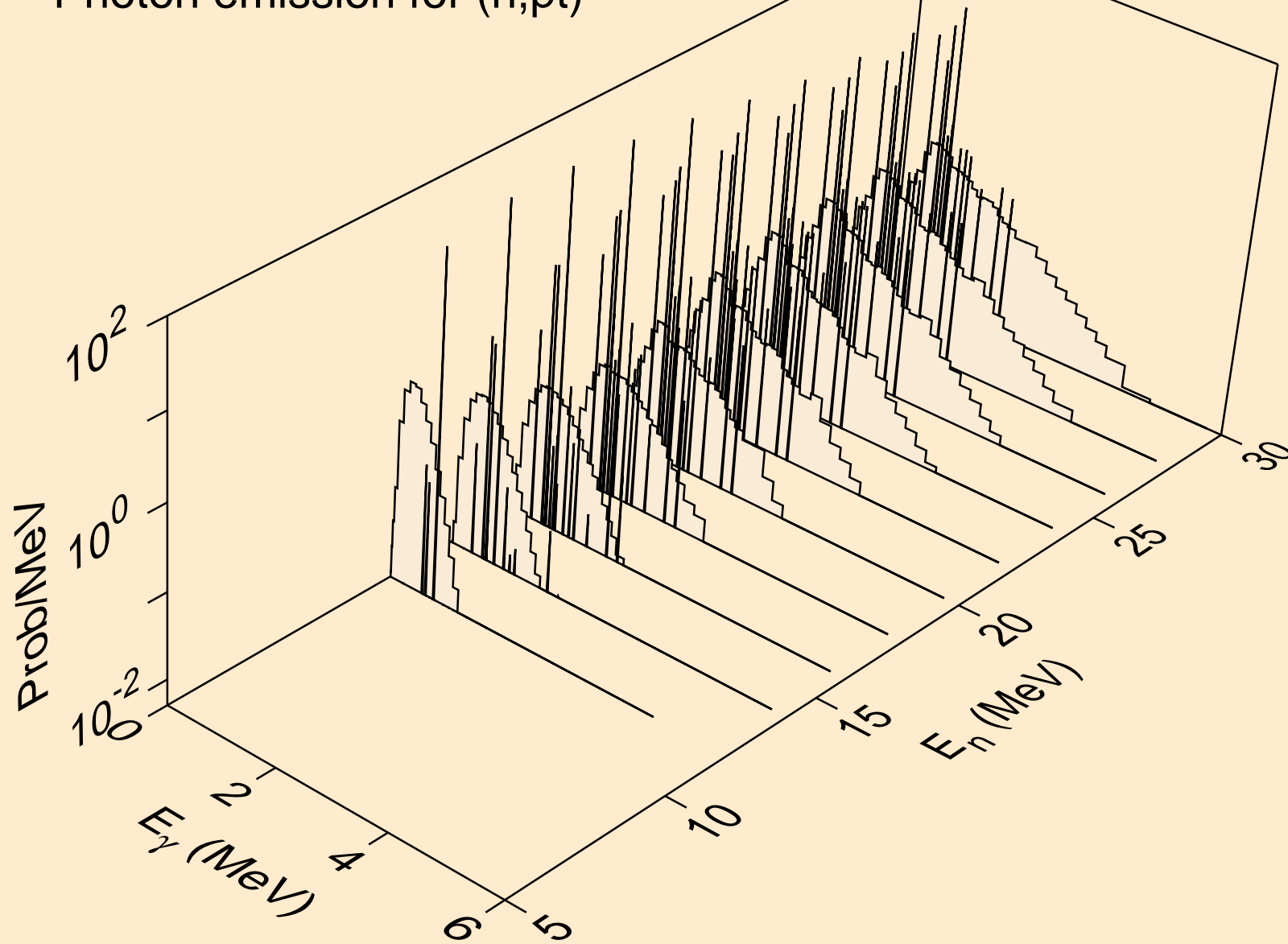
ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p $\alpha$ )



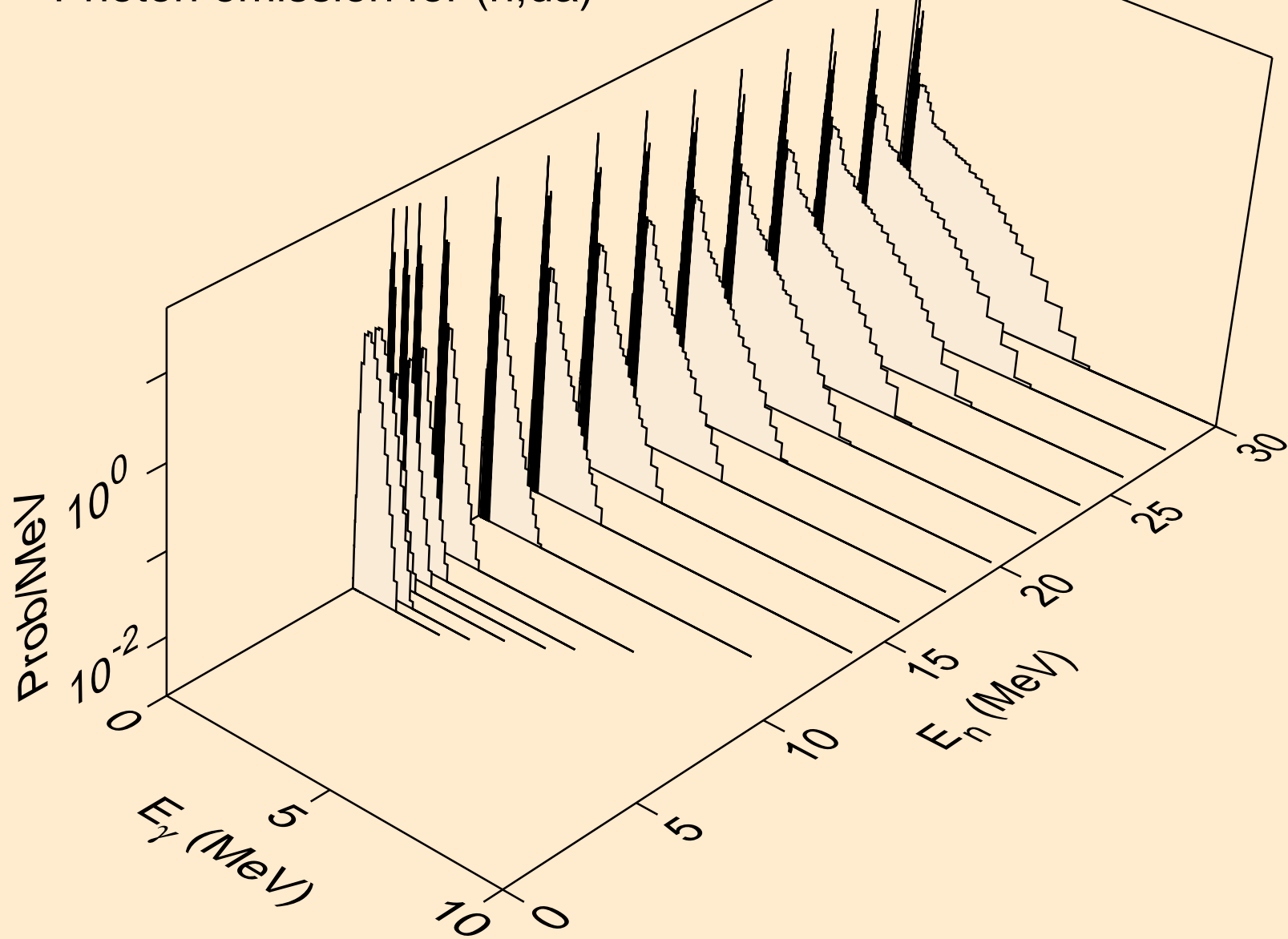
ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pd)



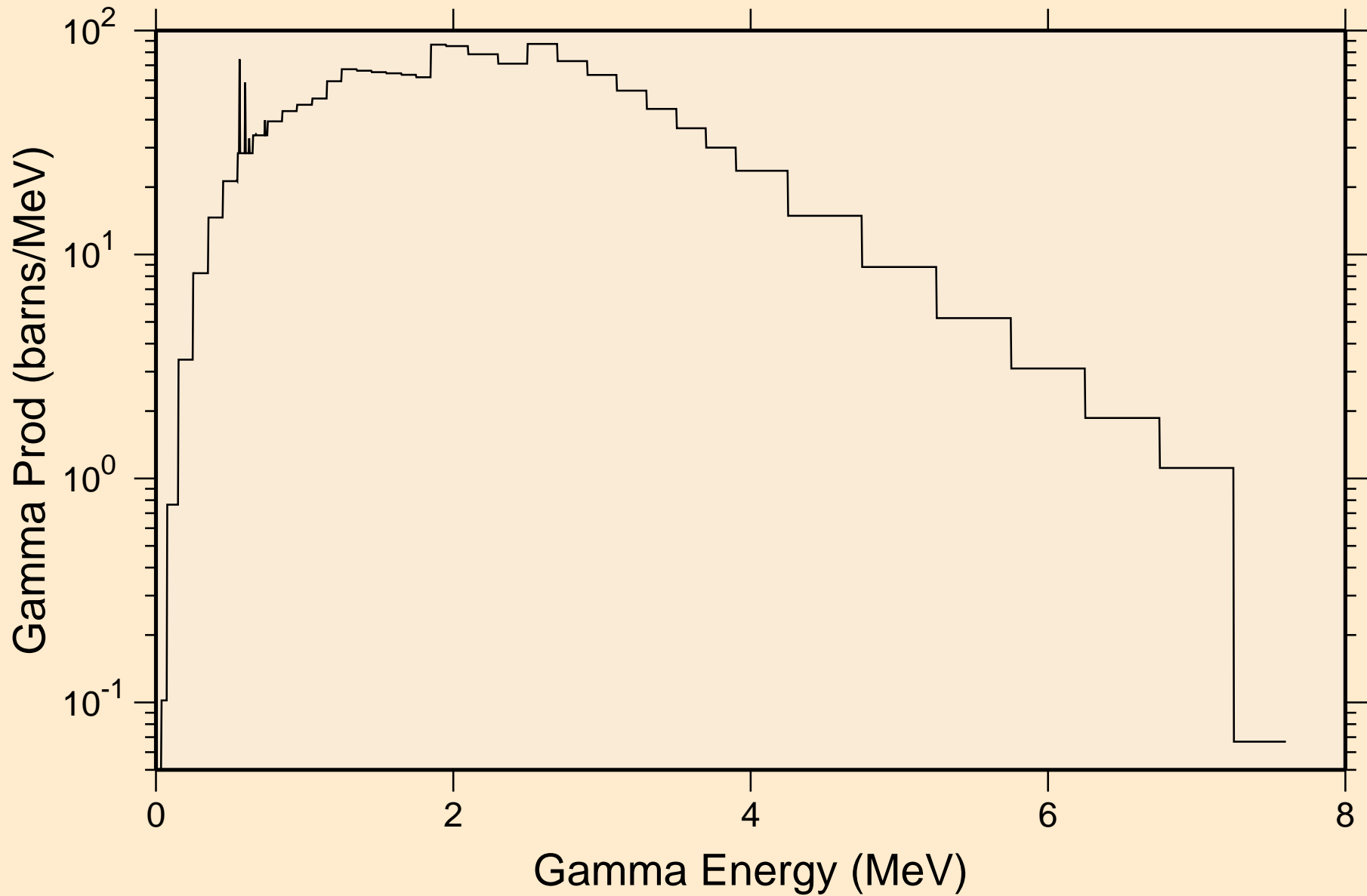
ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pt)



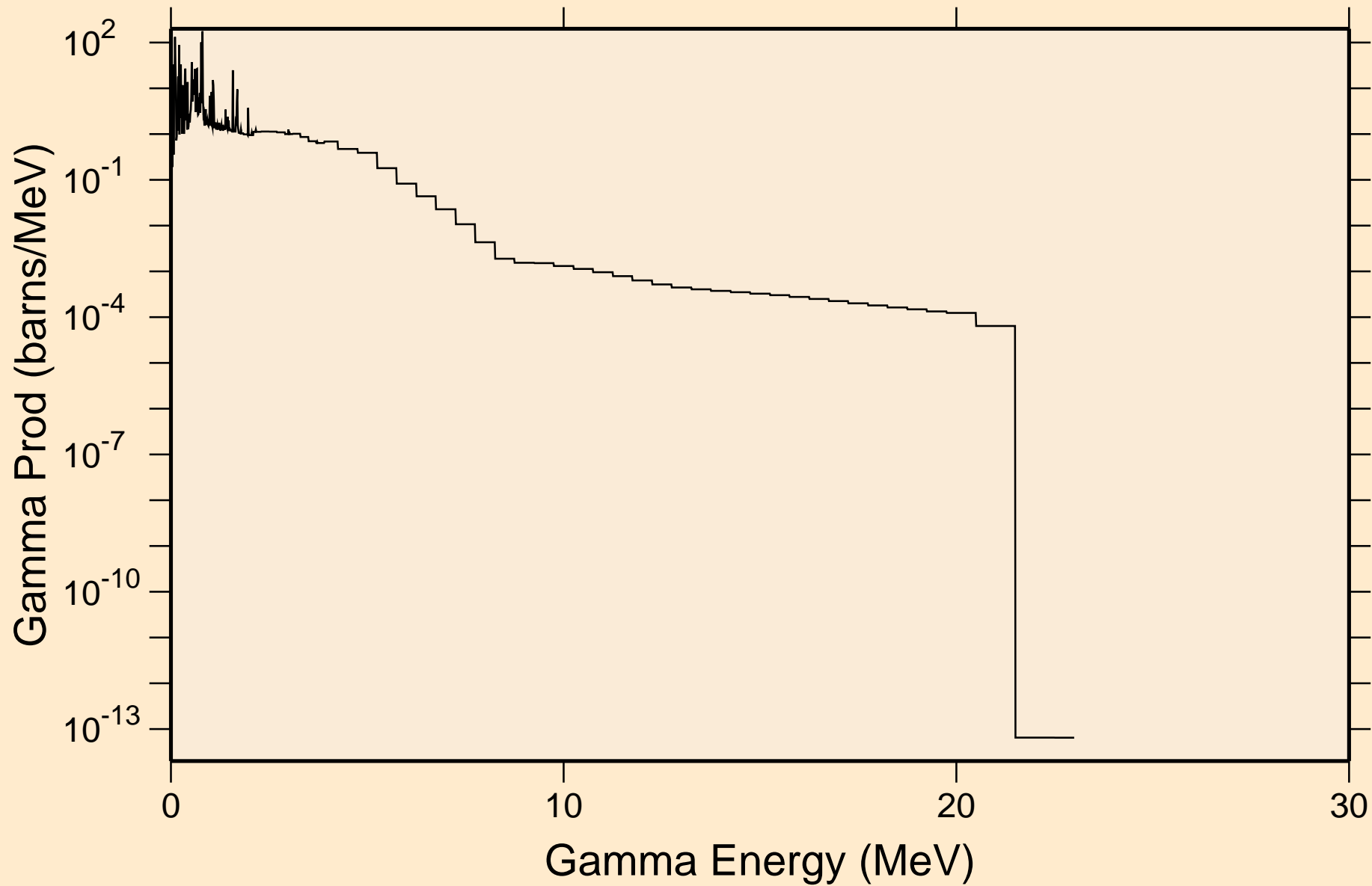
ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,da)



ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
thermal capture photon spectrum

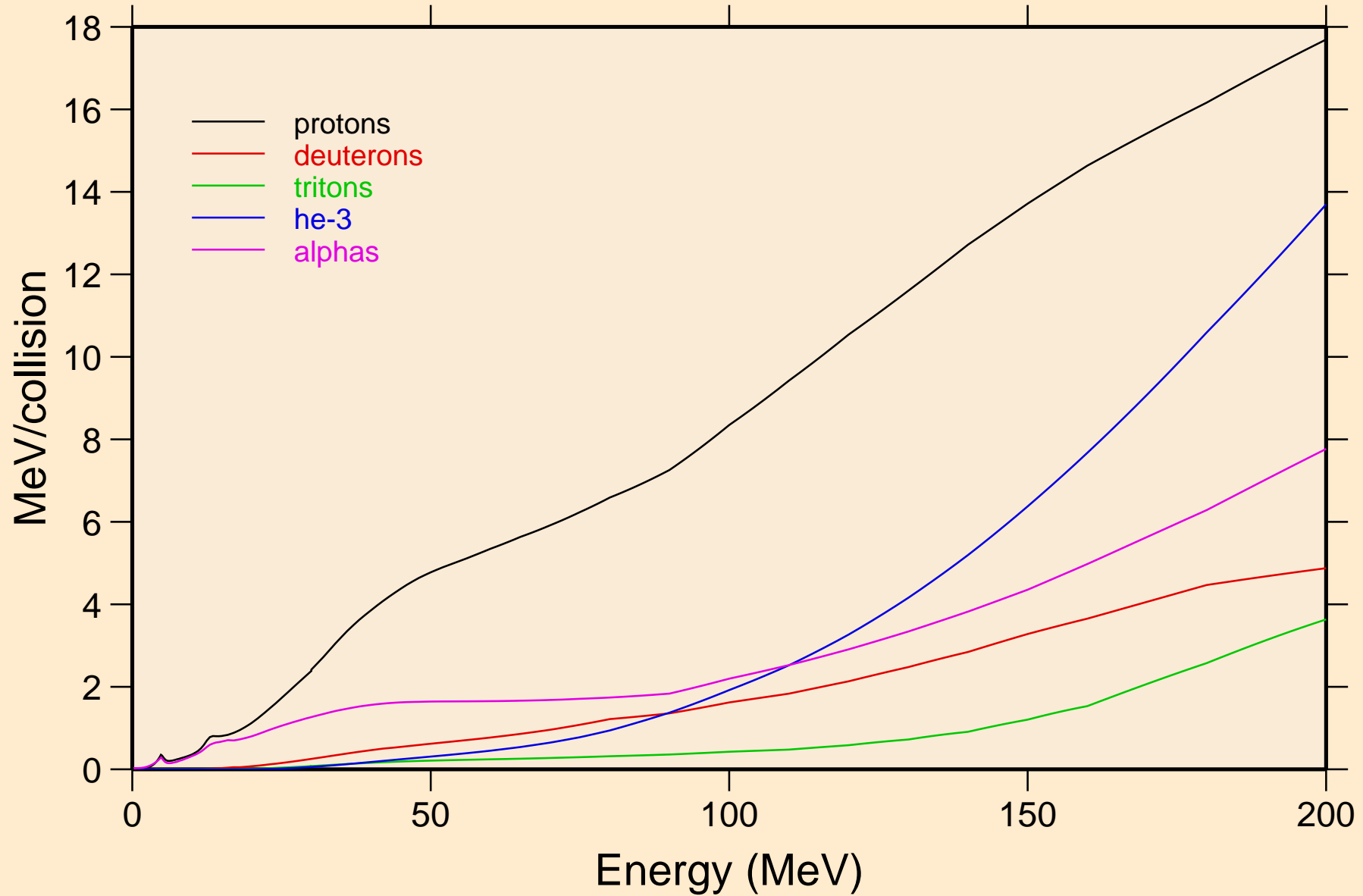


ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
14 MeV photon spectrum



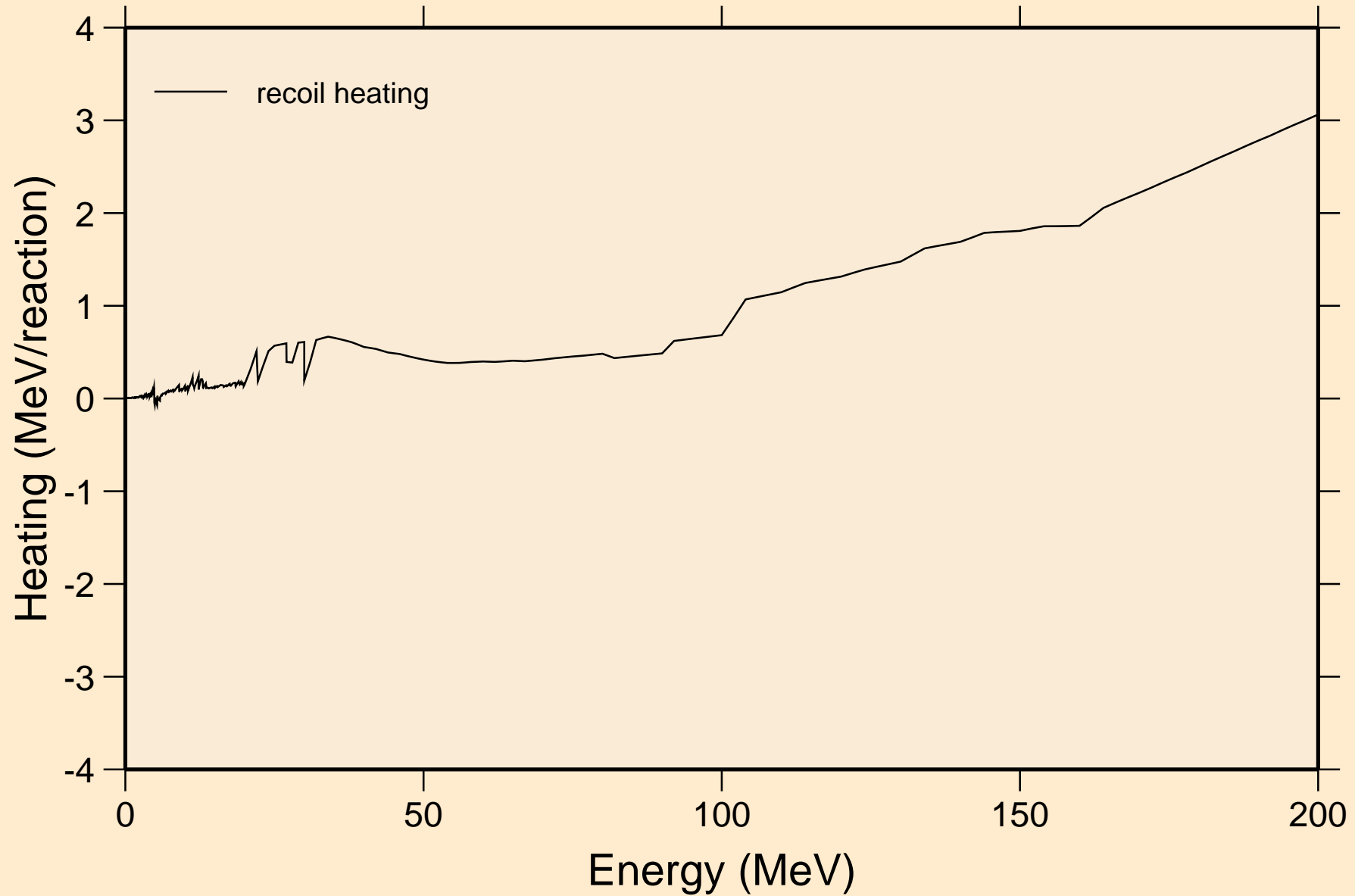
# ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Particle heating contributions



# ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

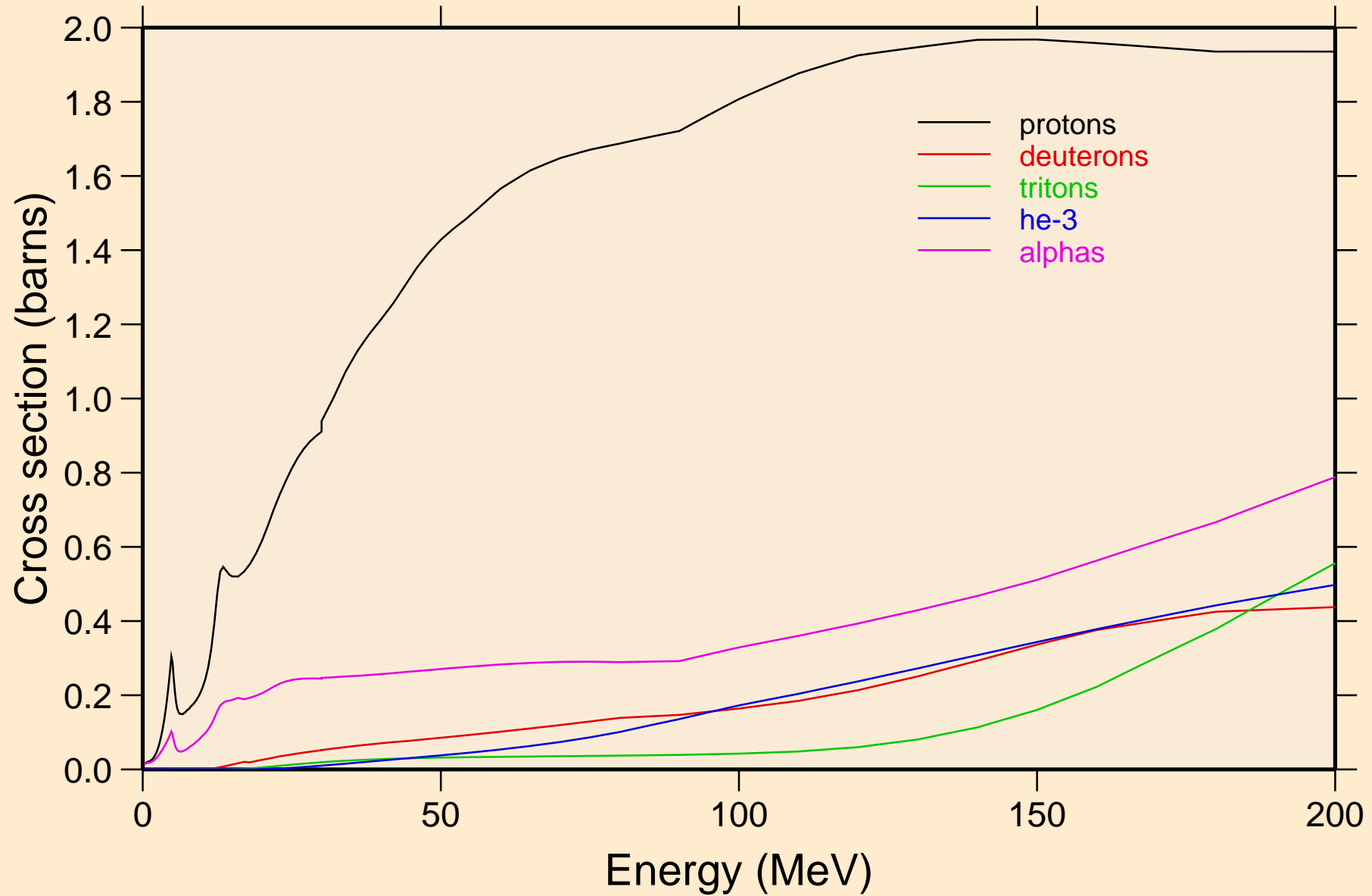
## Recoil Heating



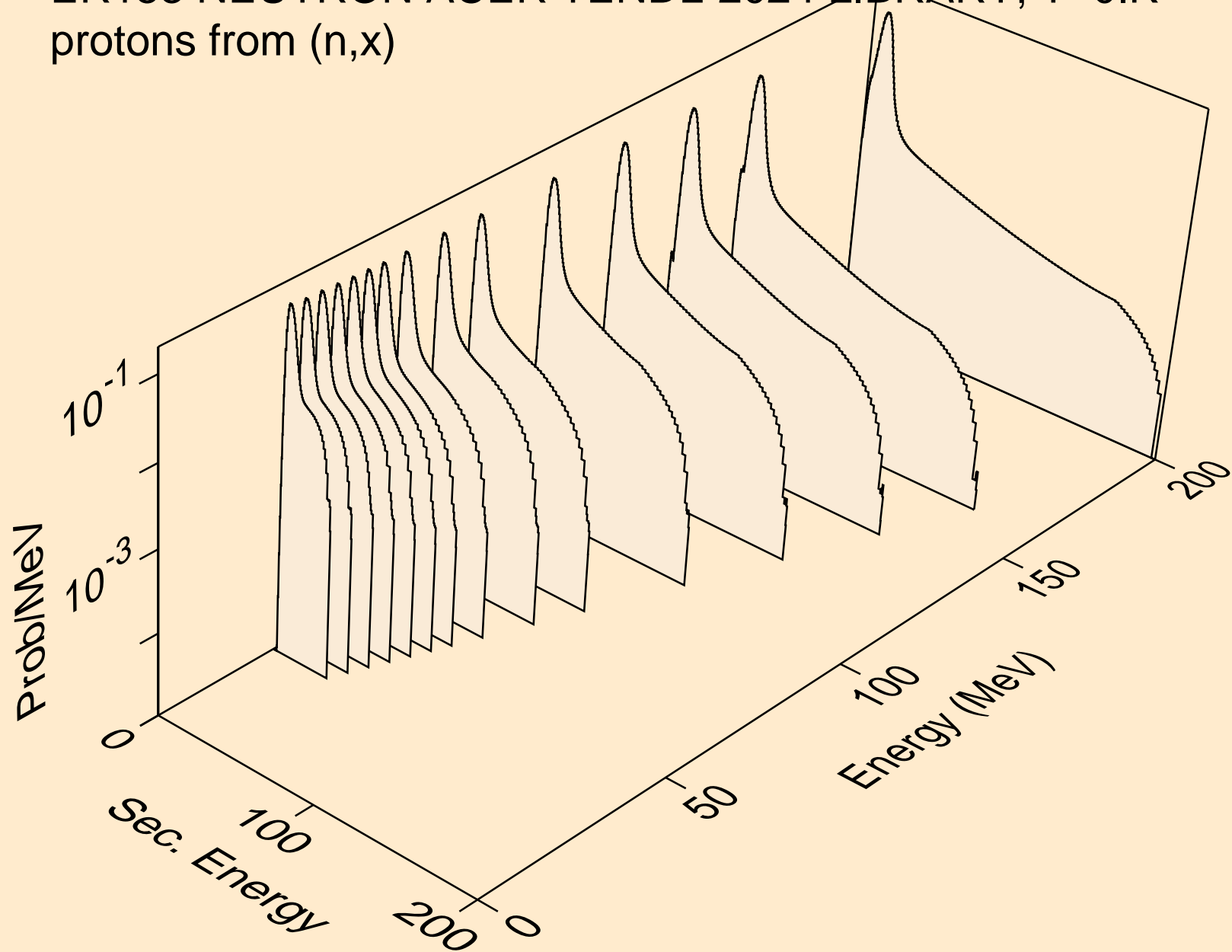


# ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

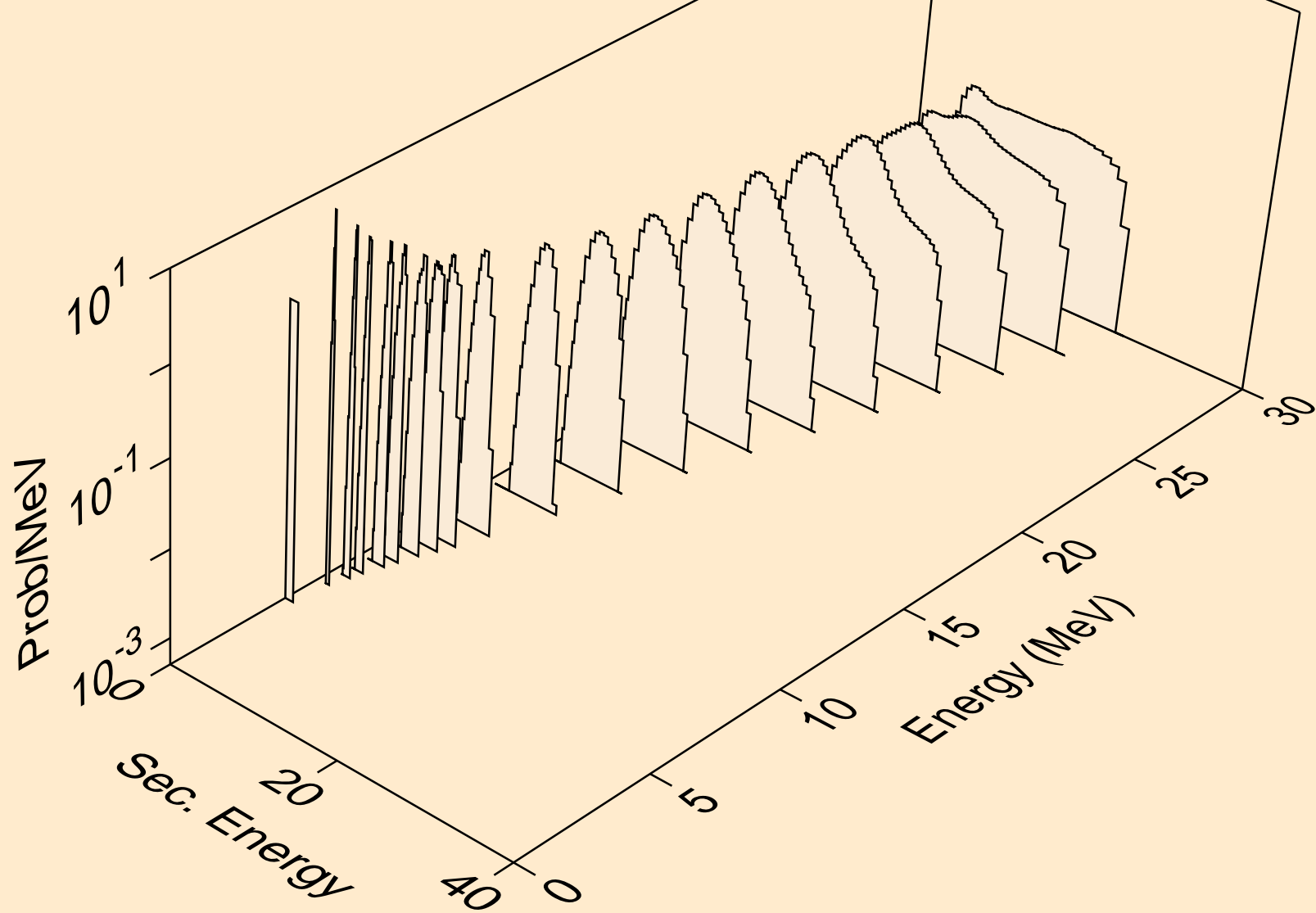
## Particle production cross sections



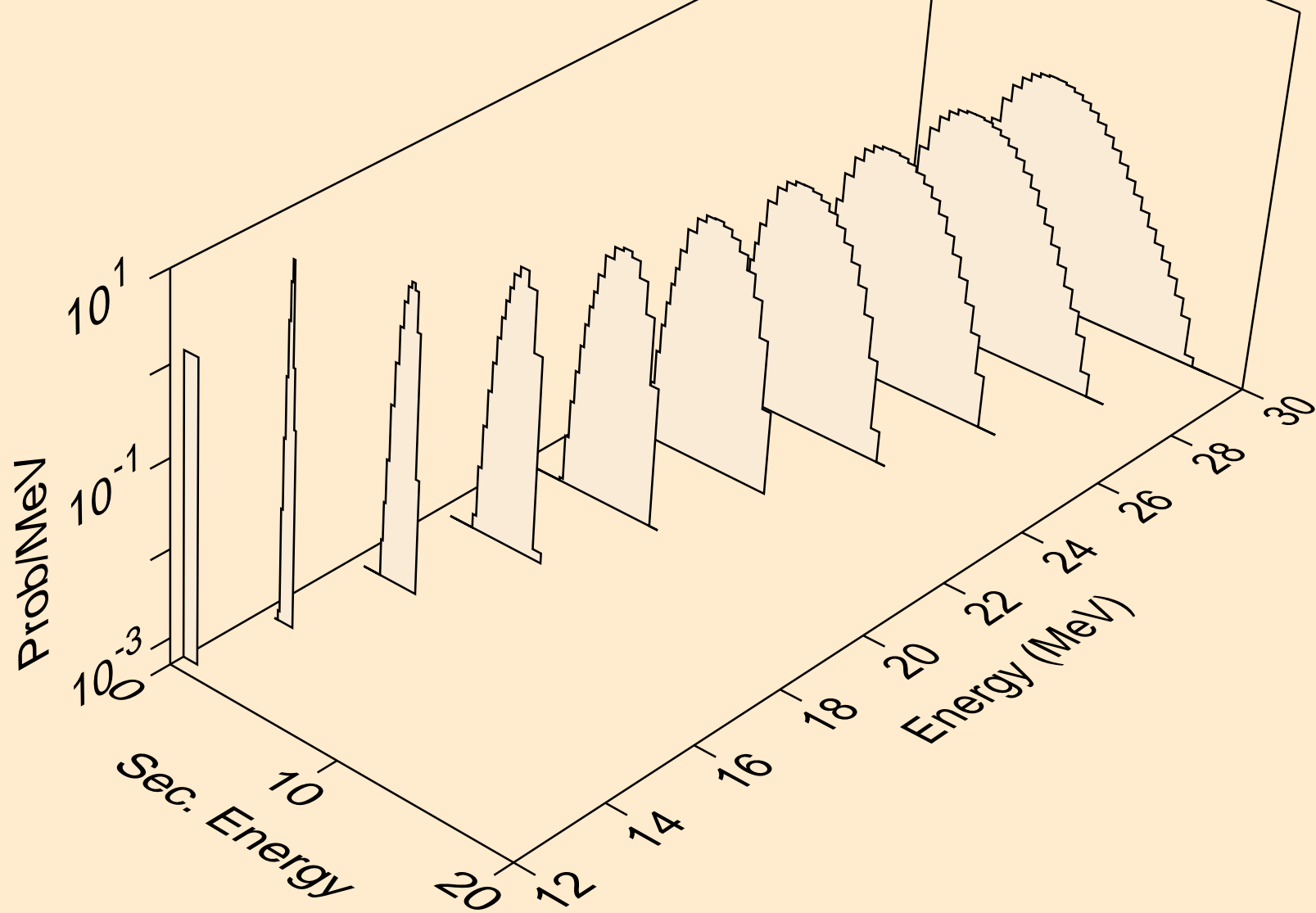
ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,x)



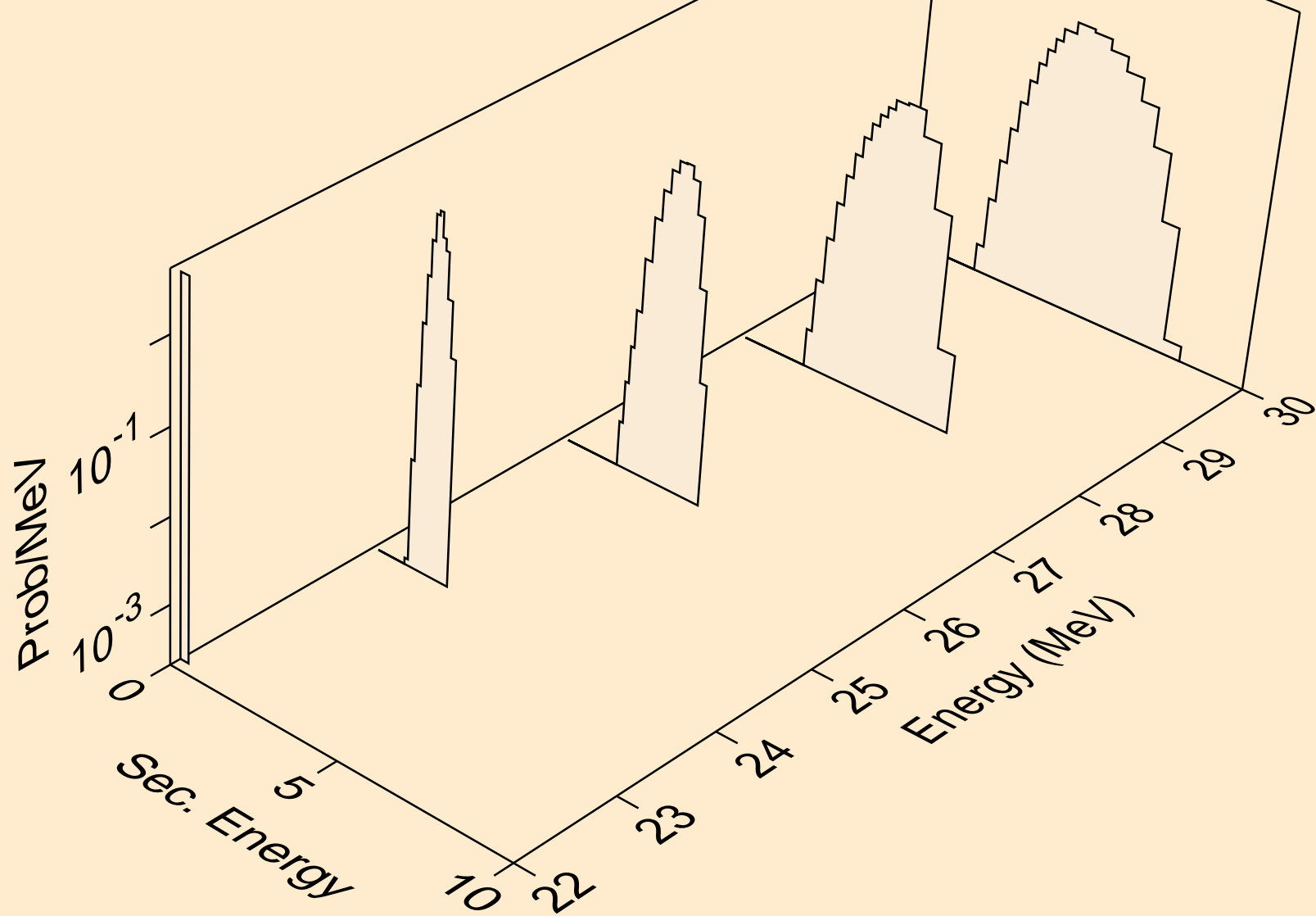
ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,n\*)p



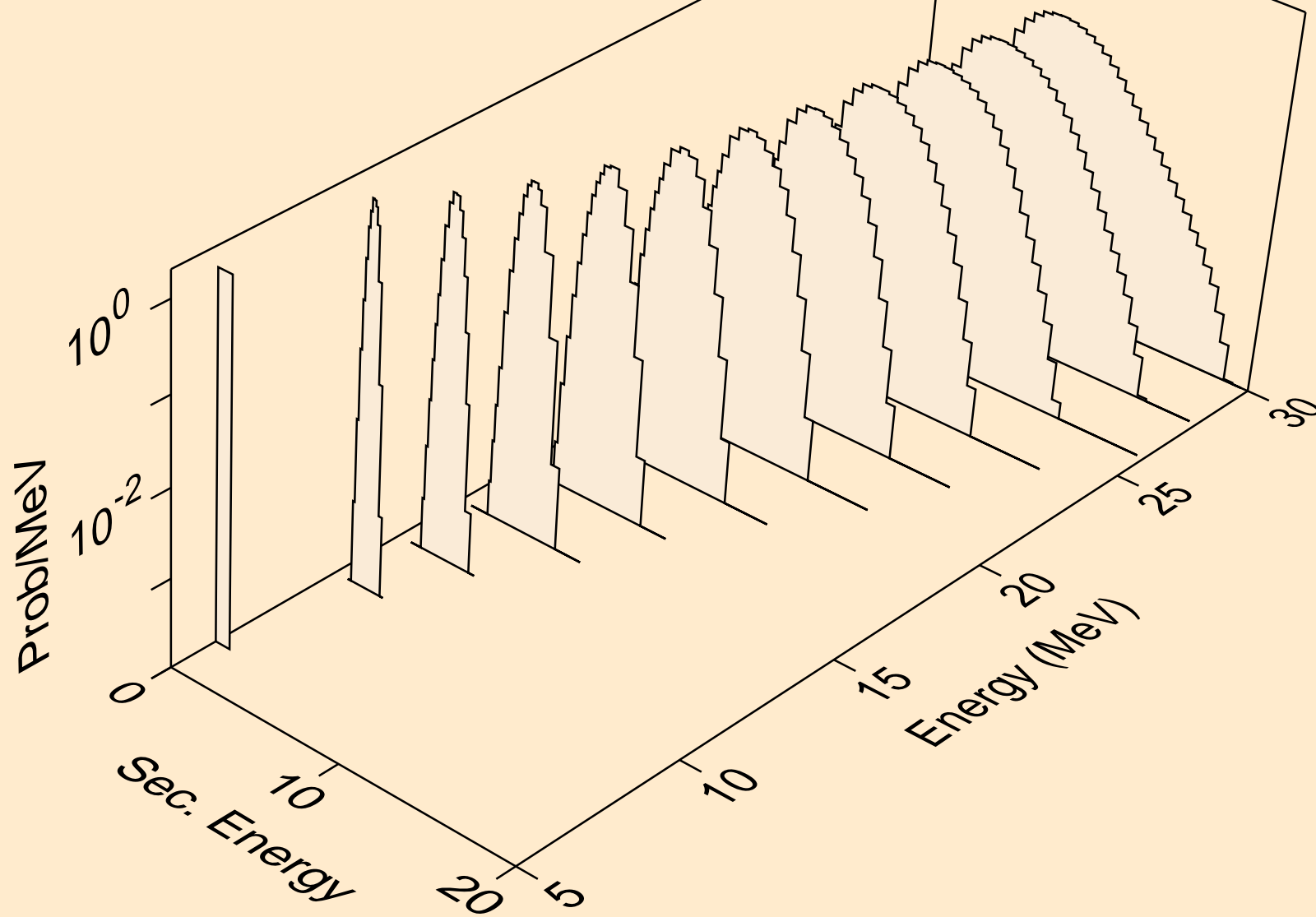
ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,2np)



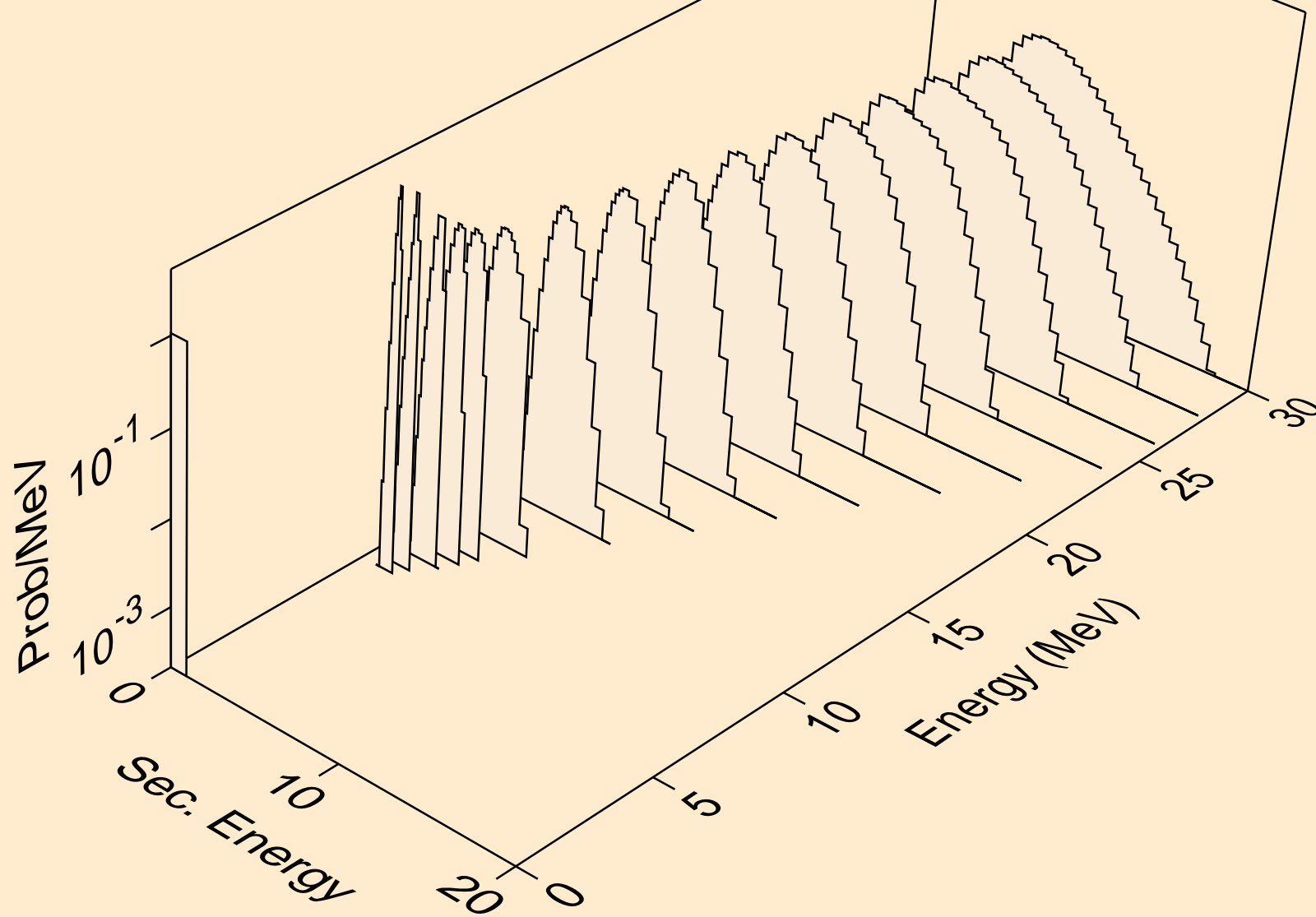
ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,3np)



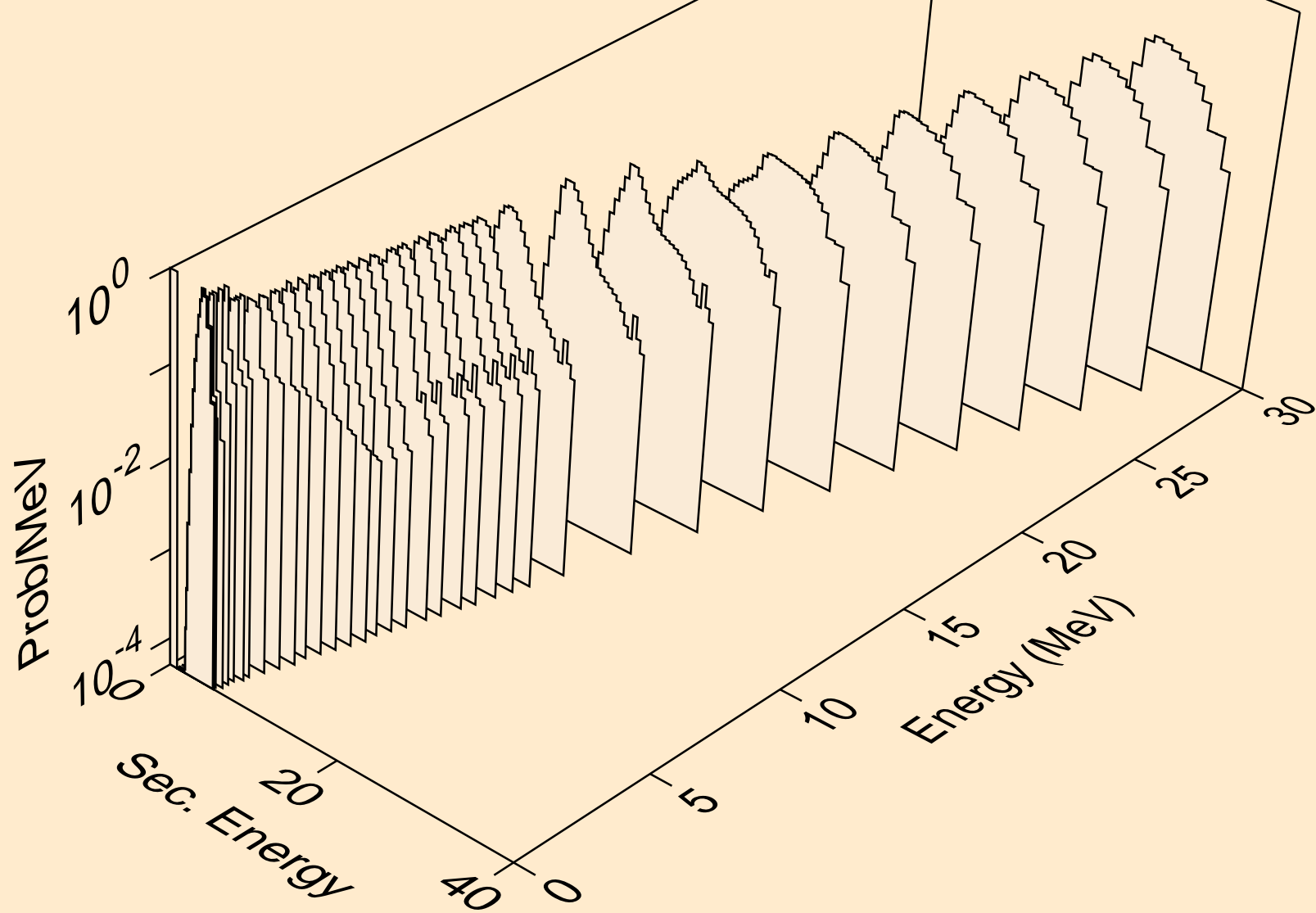
ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,n2p)



ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,npa)

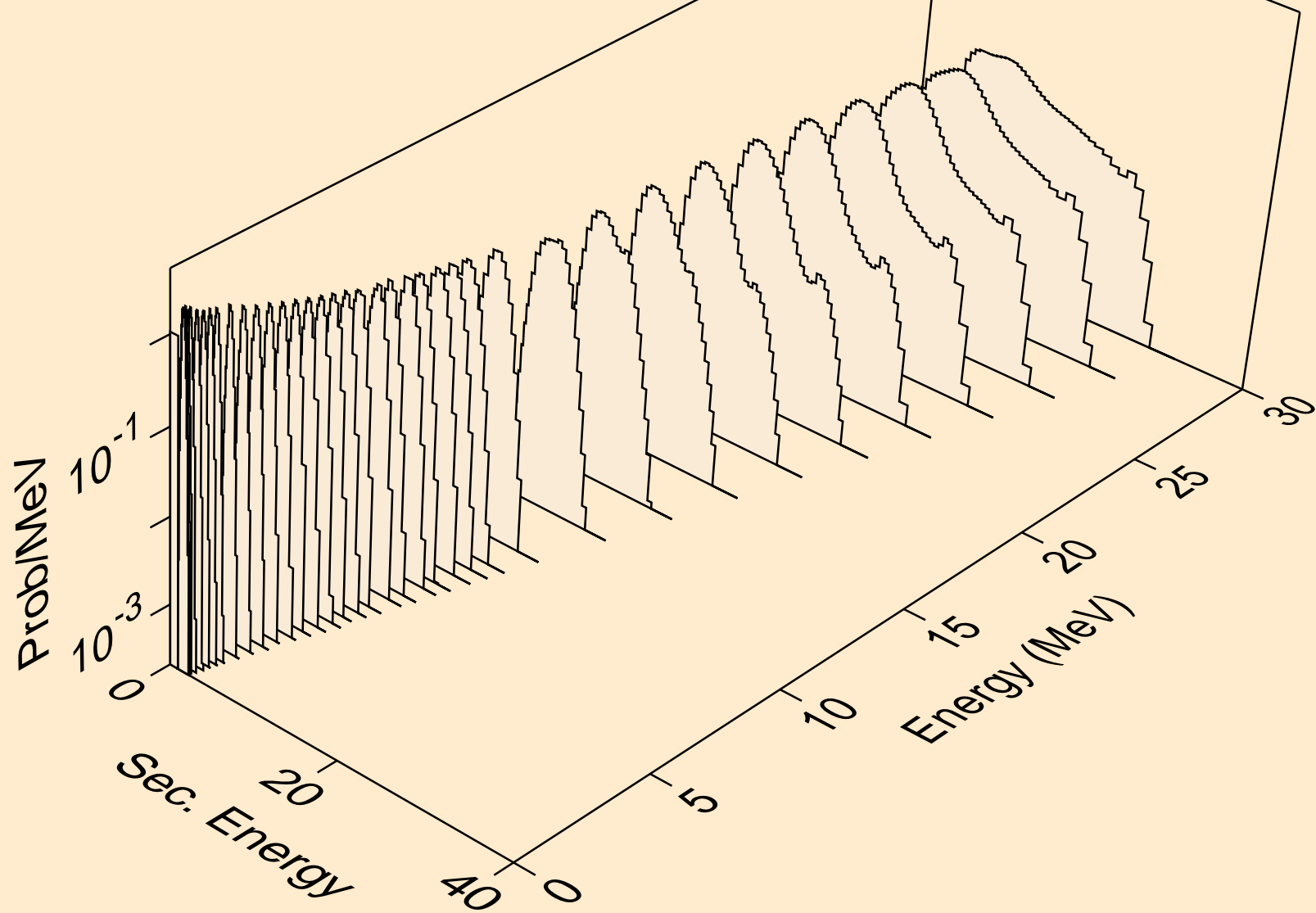


ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,p)

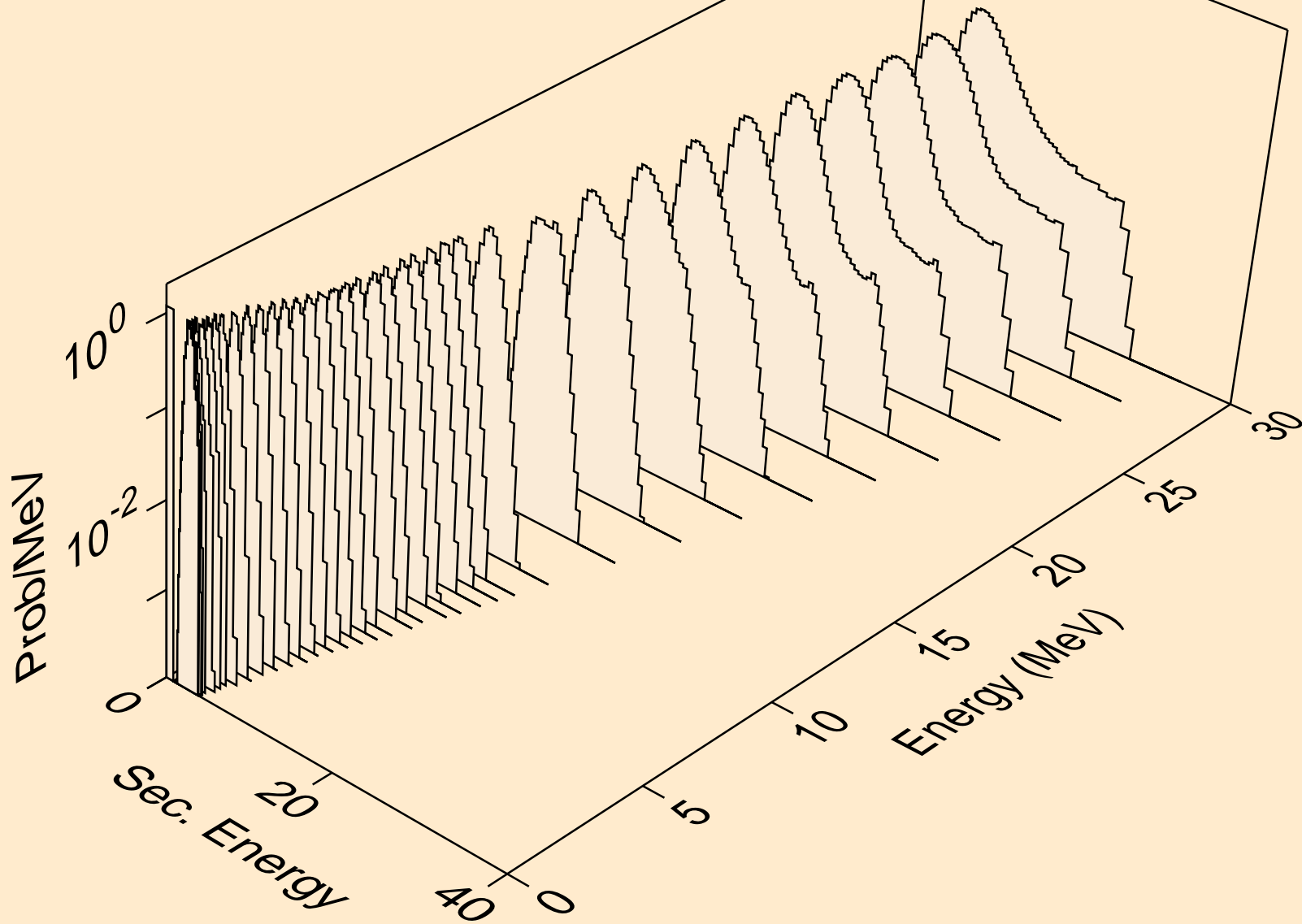




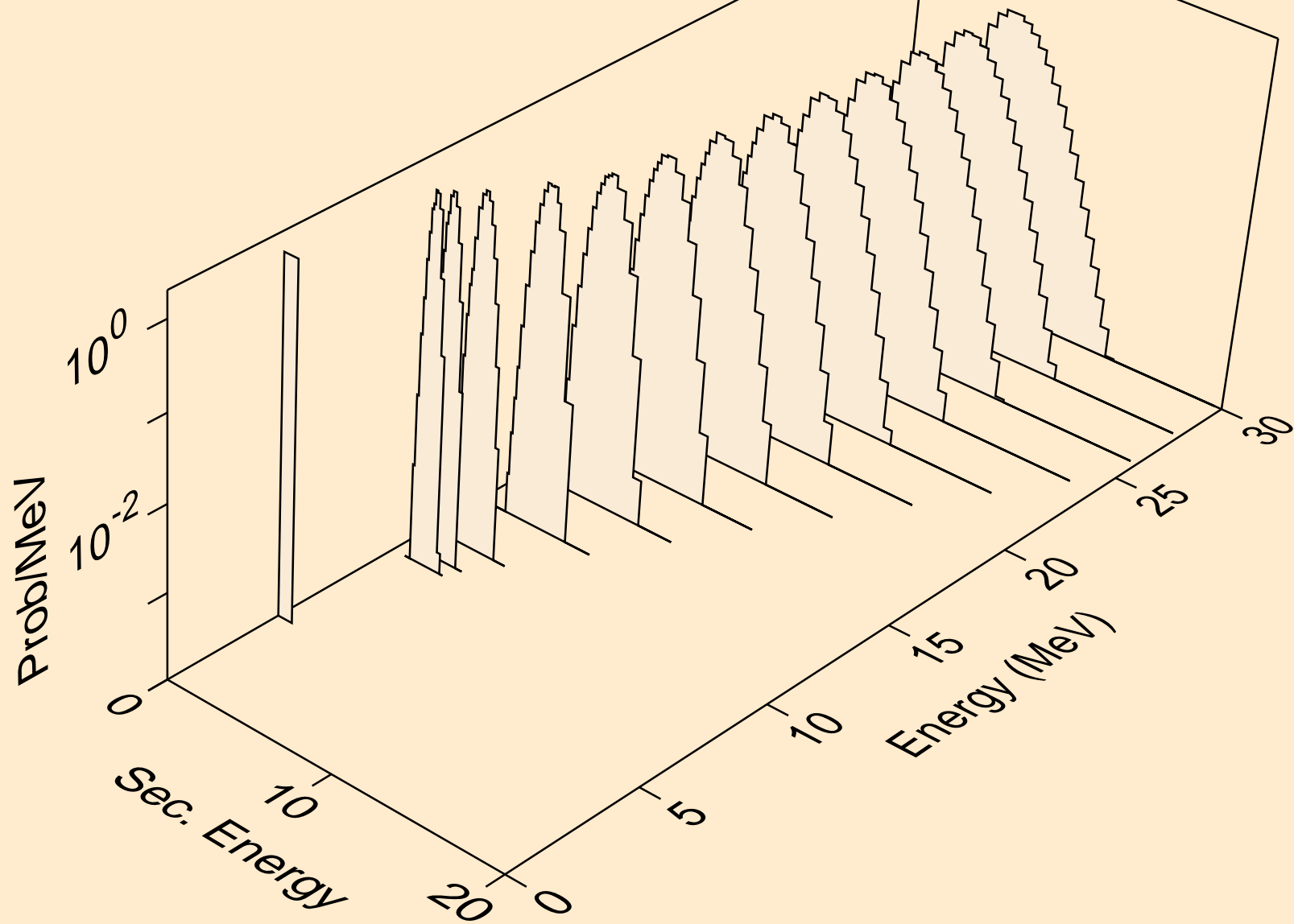
ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,2p)



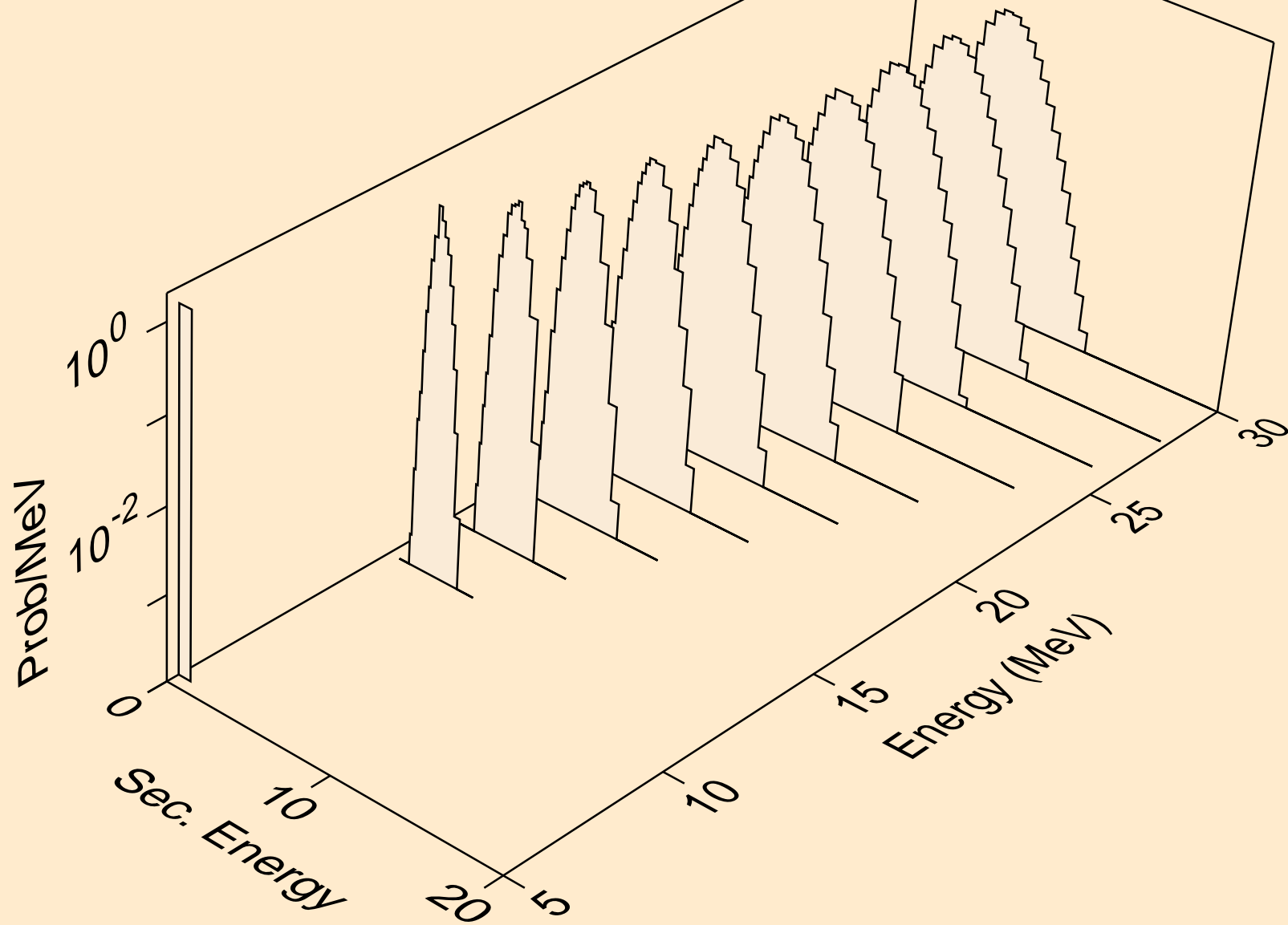
ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,p)



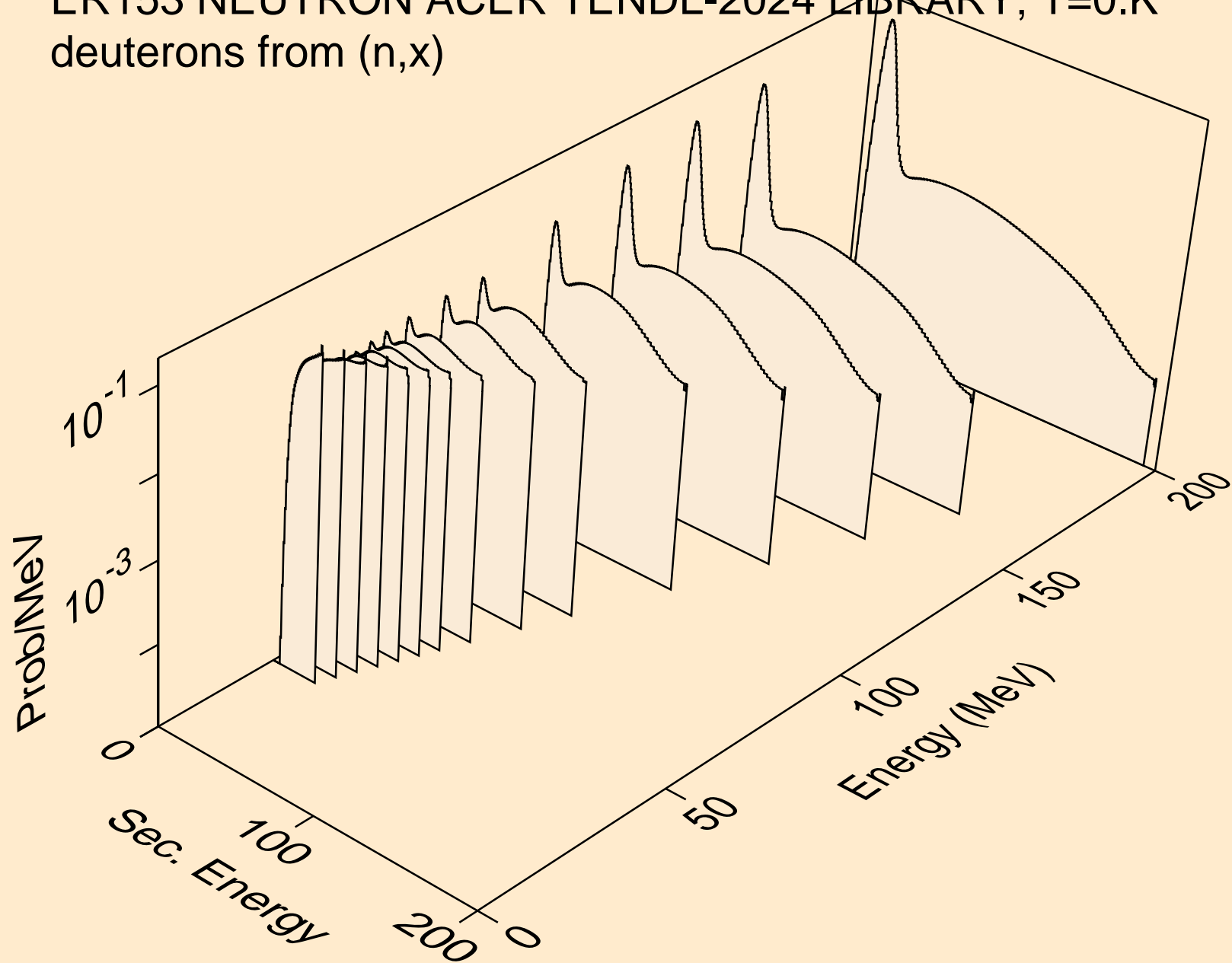
ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,pd)



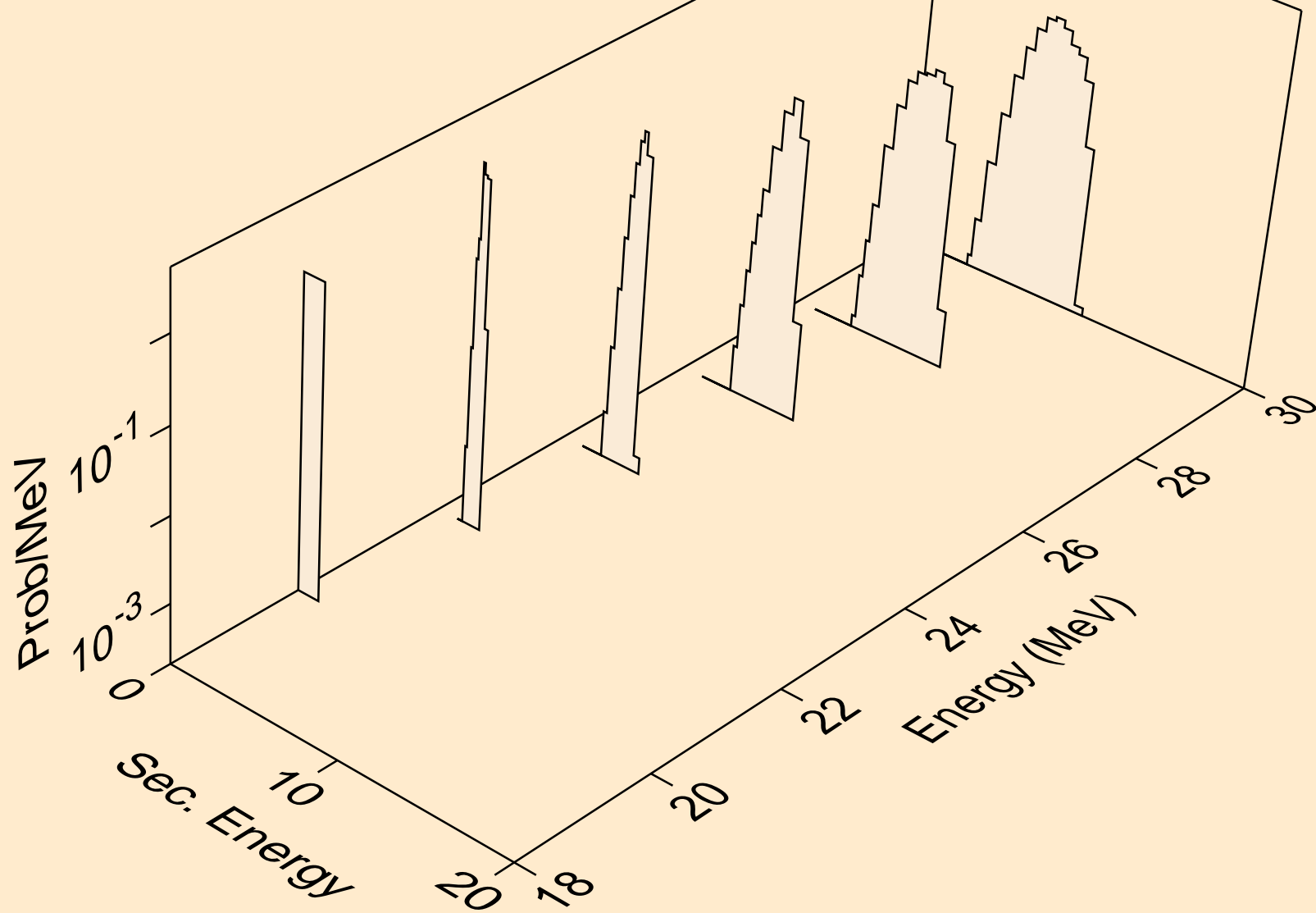
ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,pt)



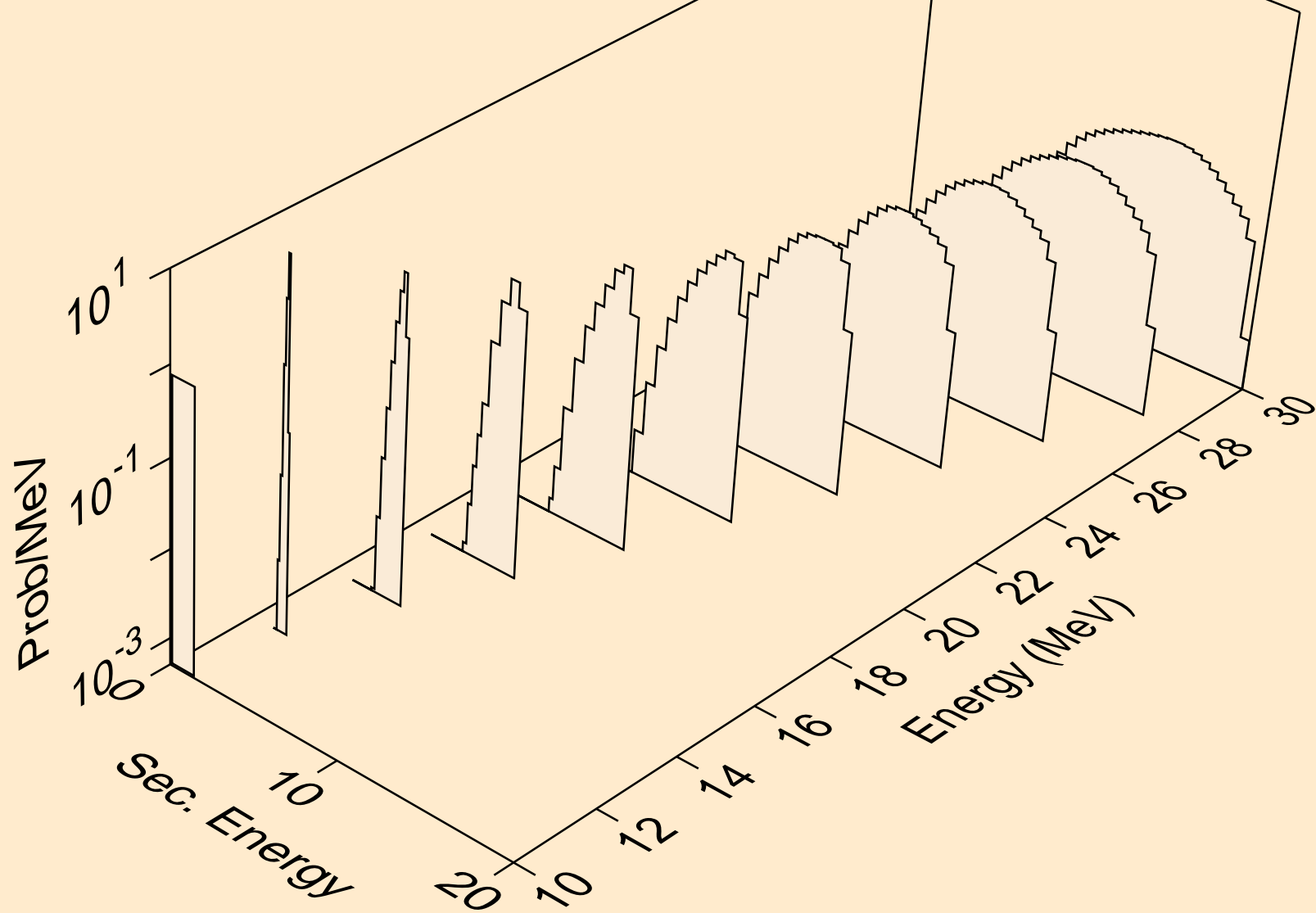
ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,x)



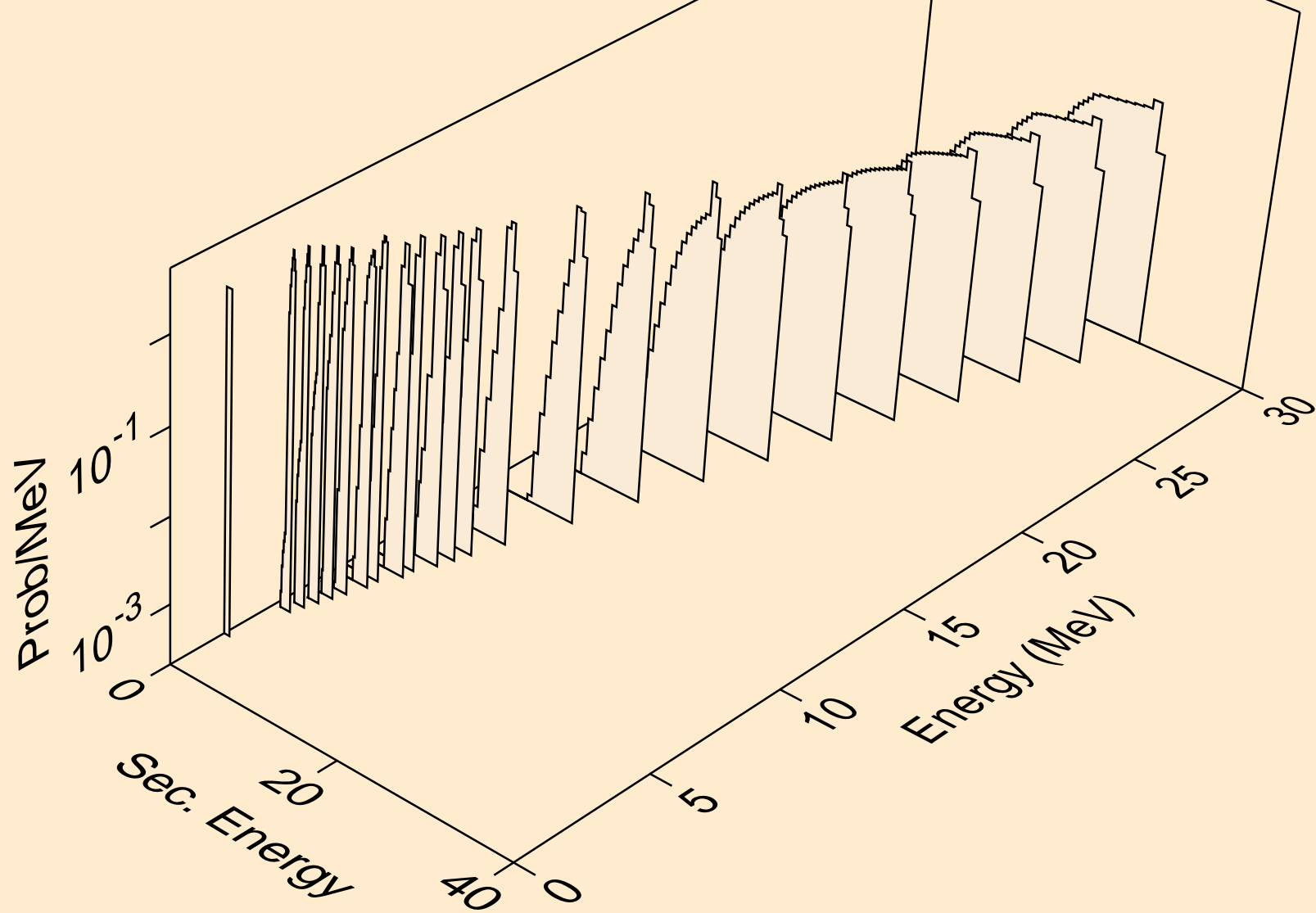
ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,2nd)



ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,n\*)d

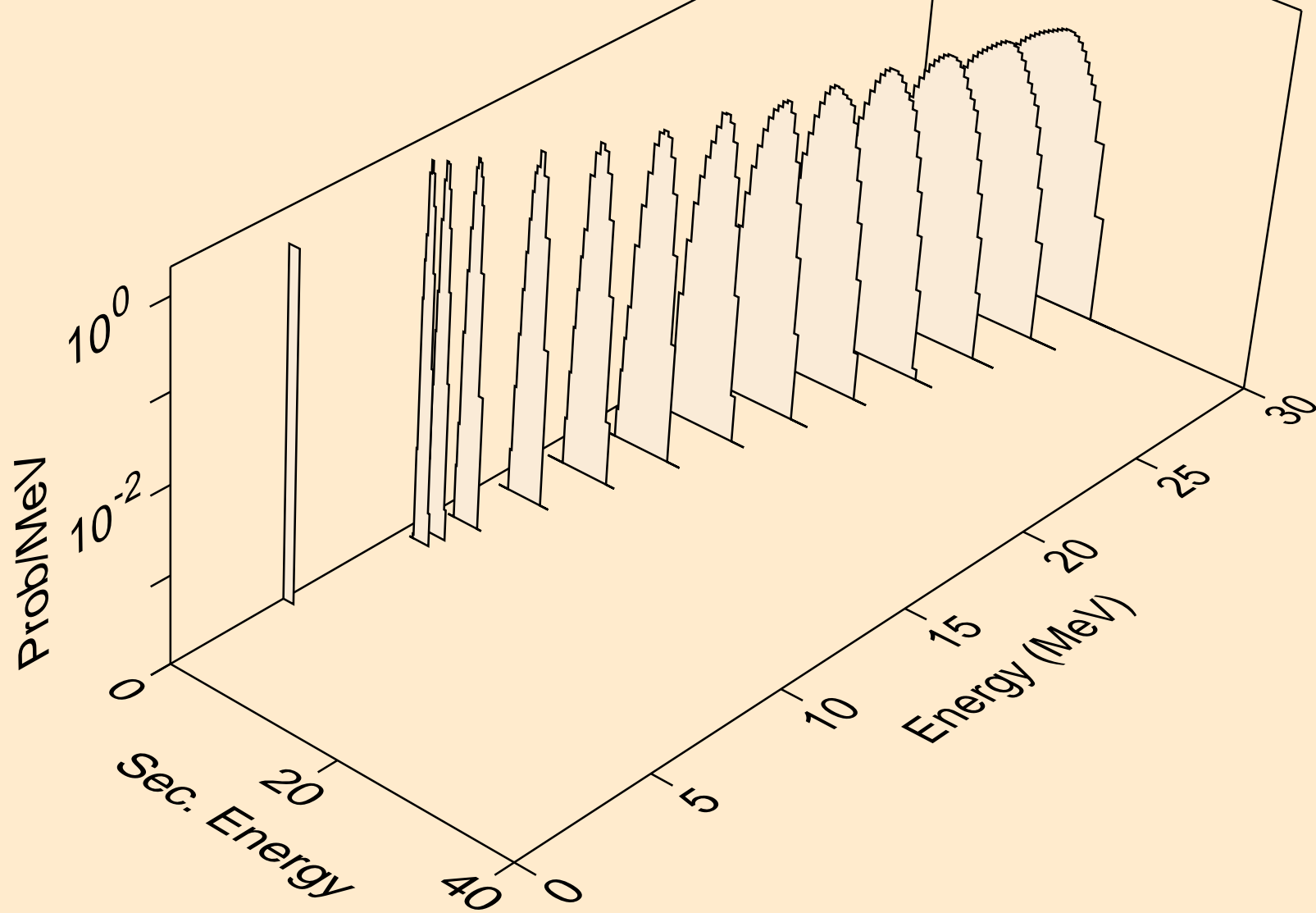


ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,d)

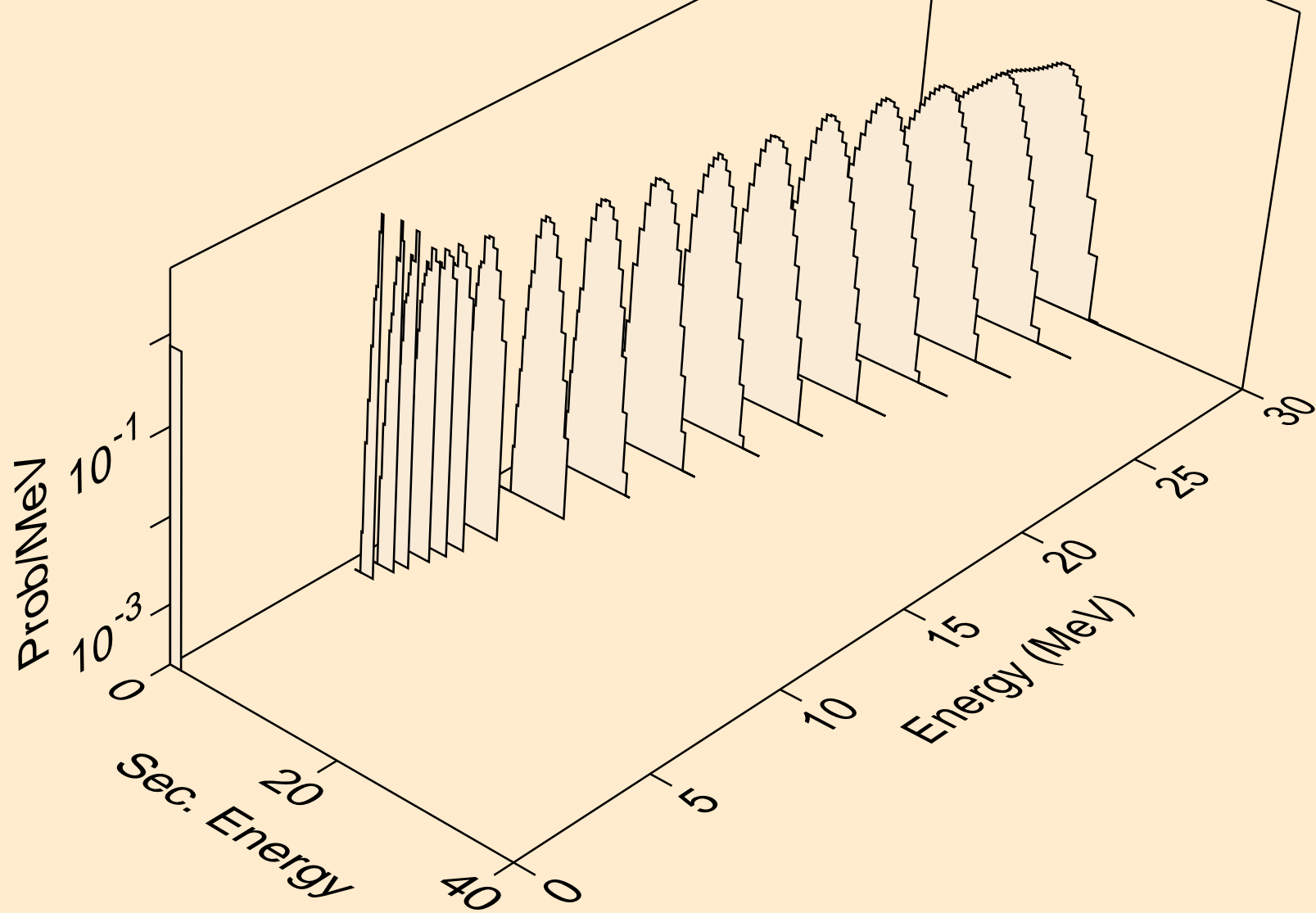




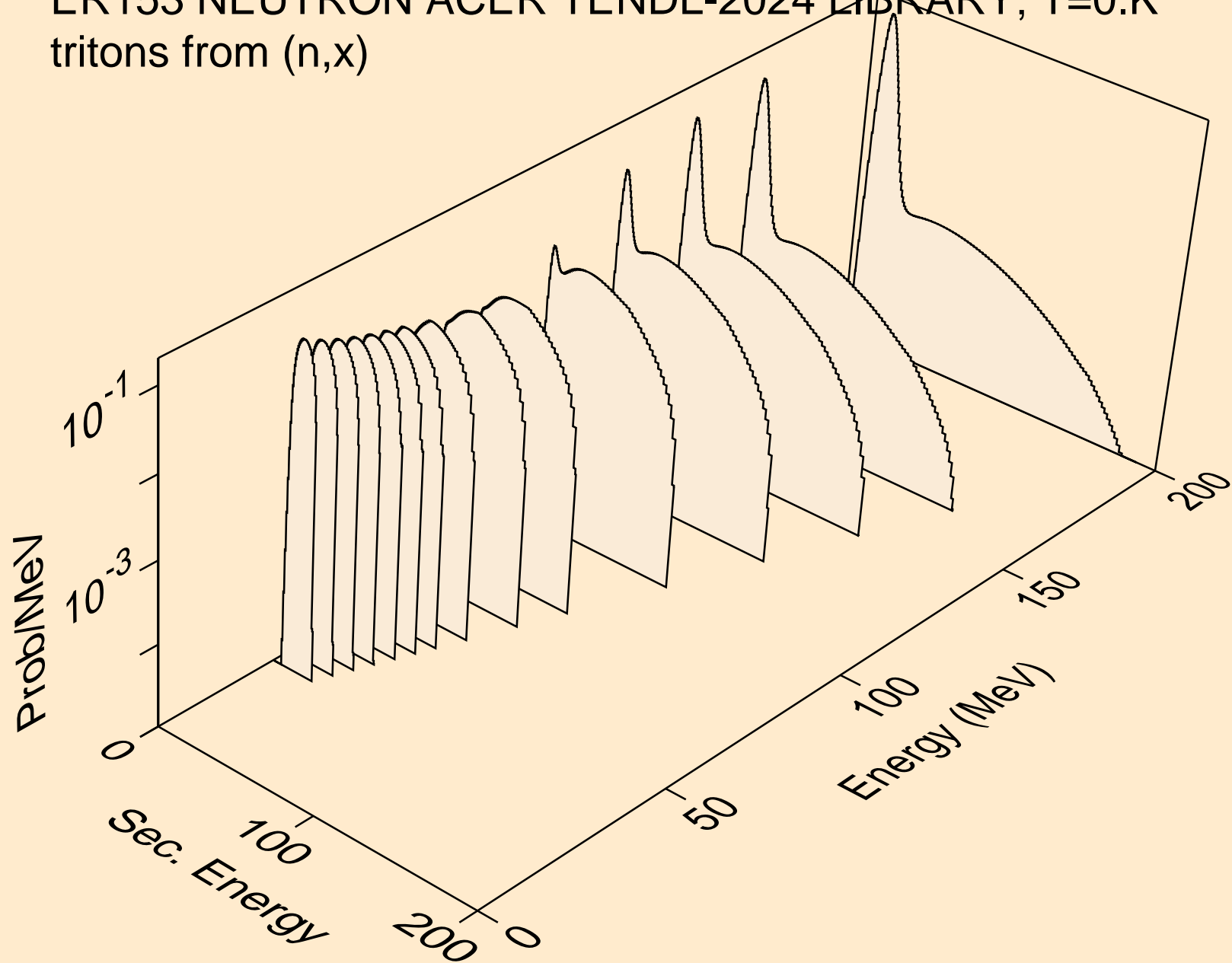
ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,pd)



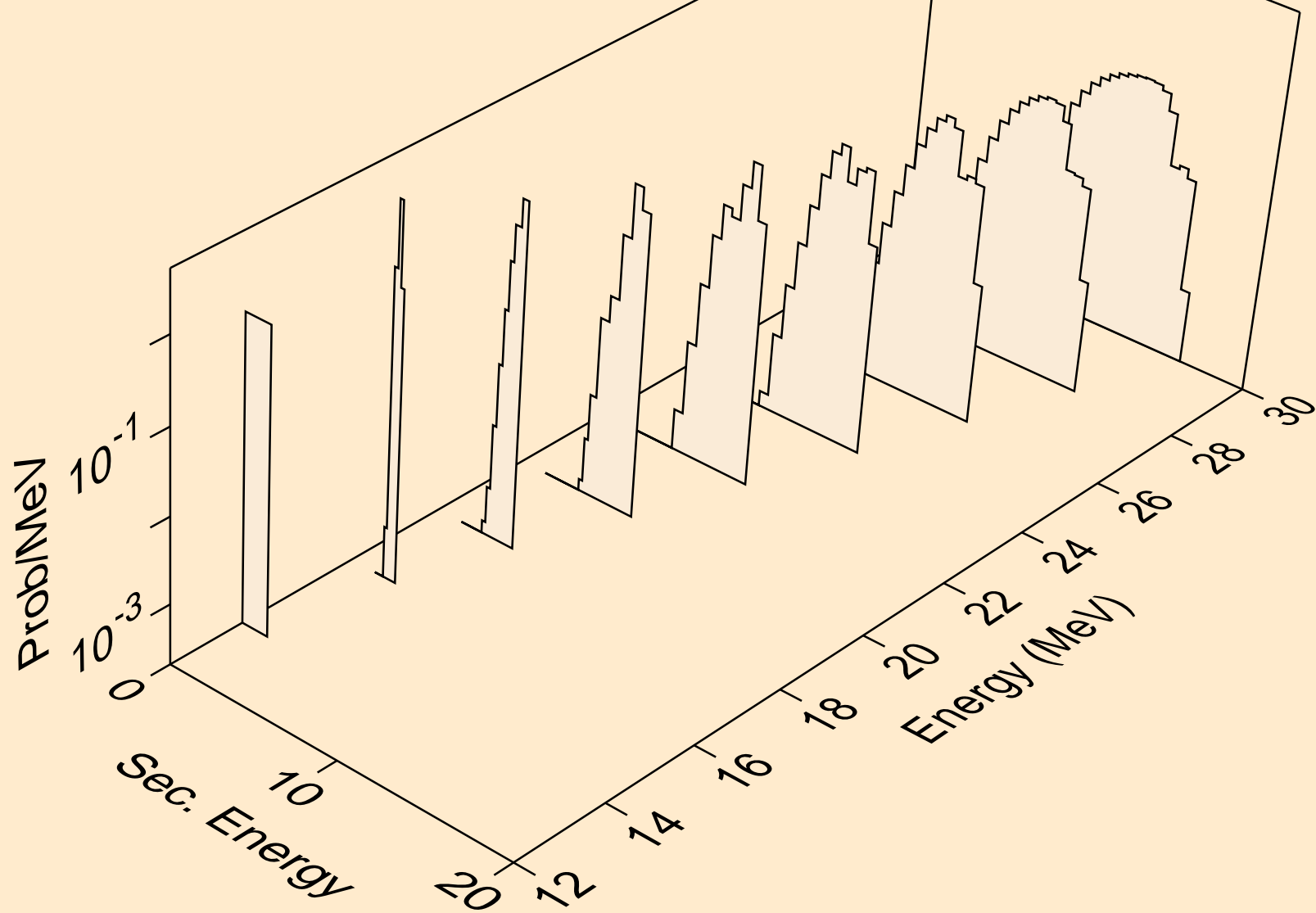
ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,da)



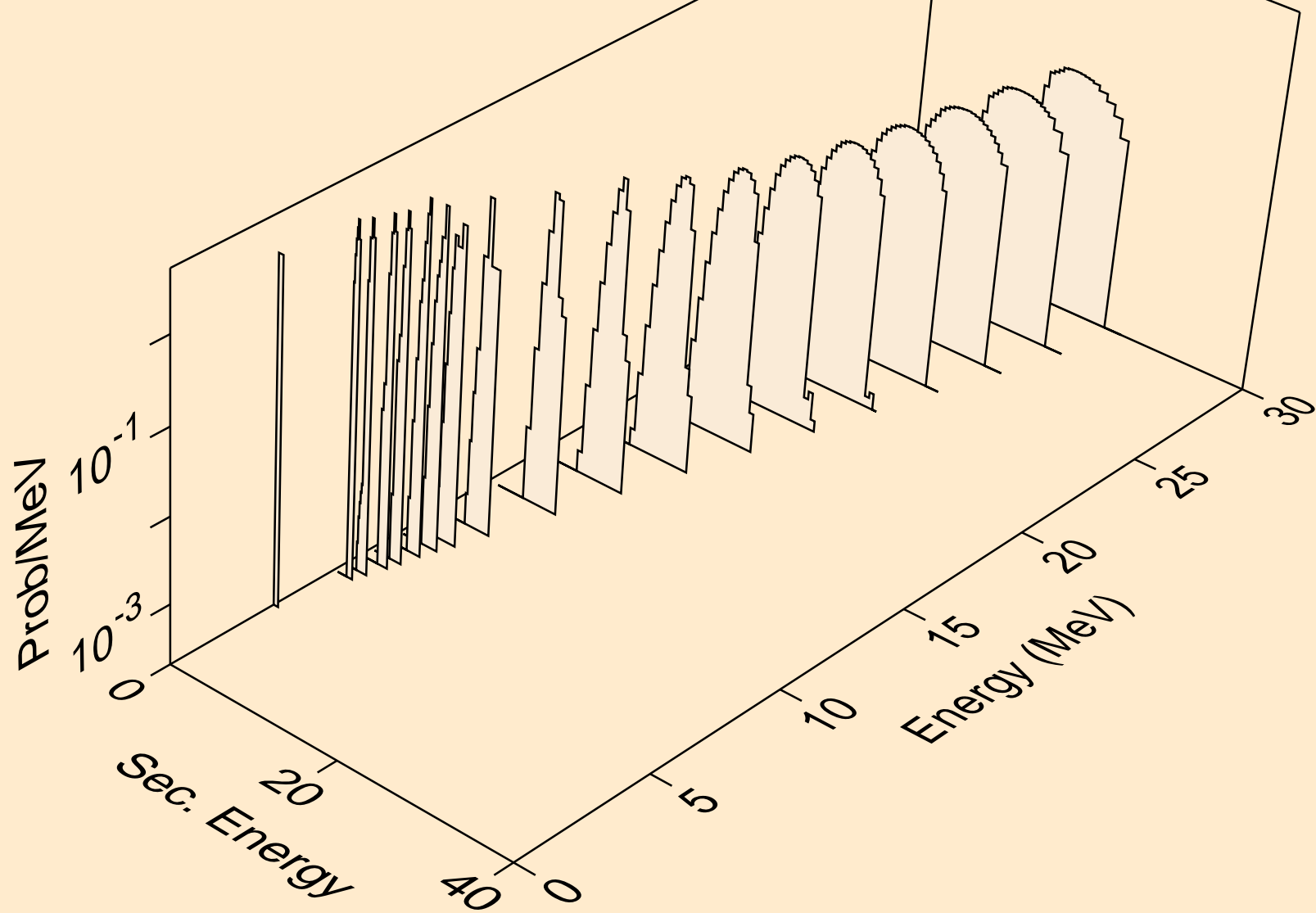
ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,x)



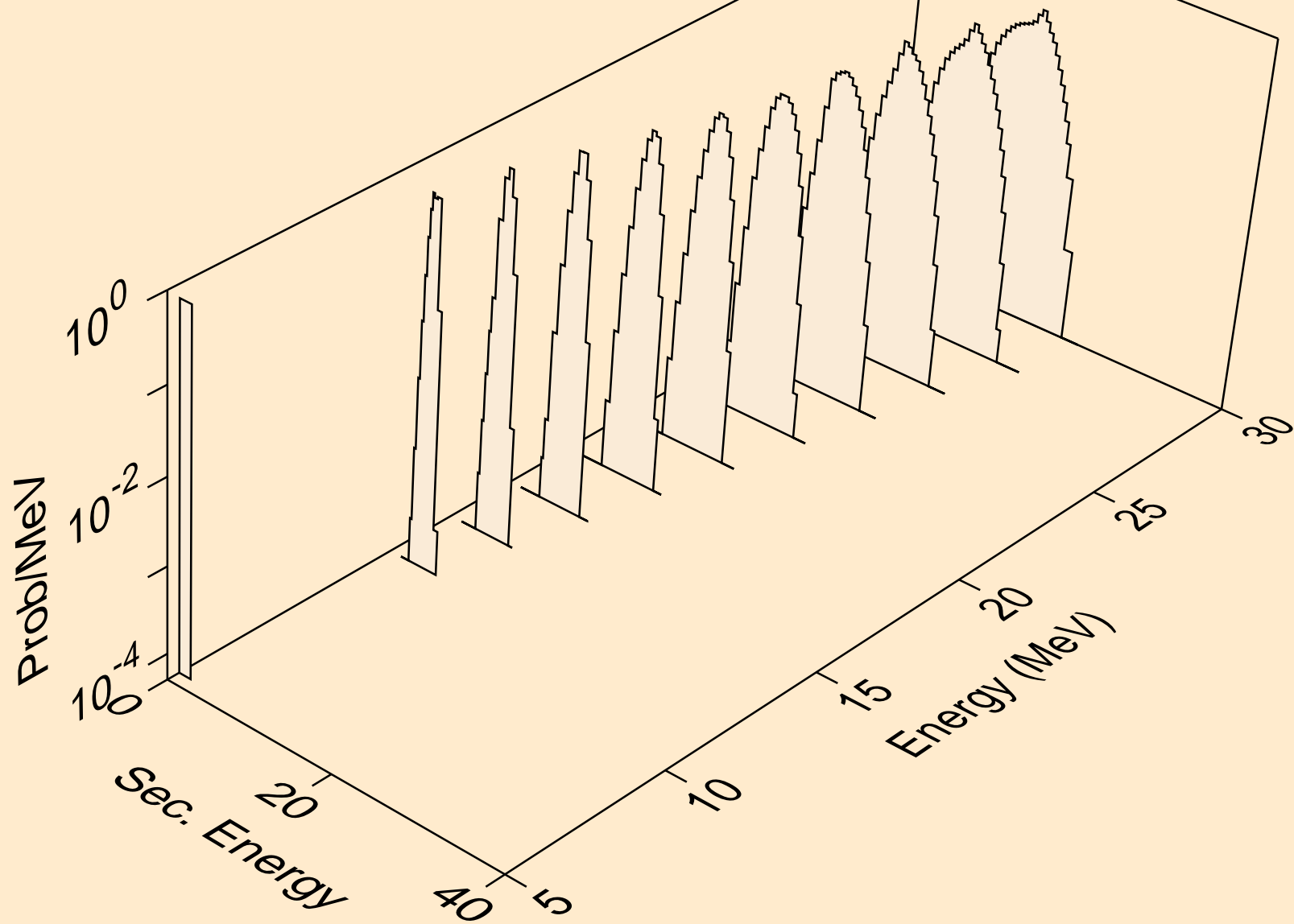
ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,n\*)t



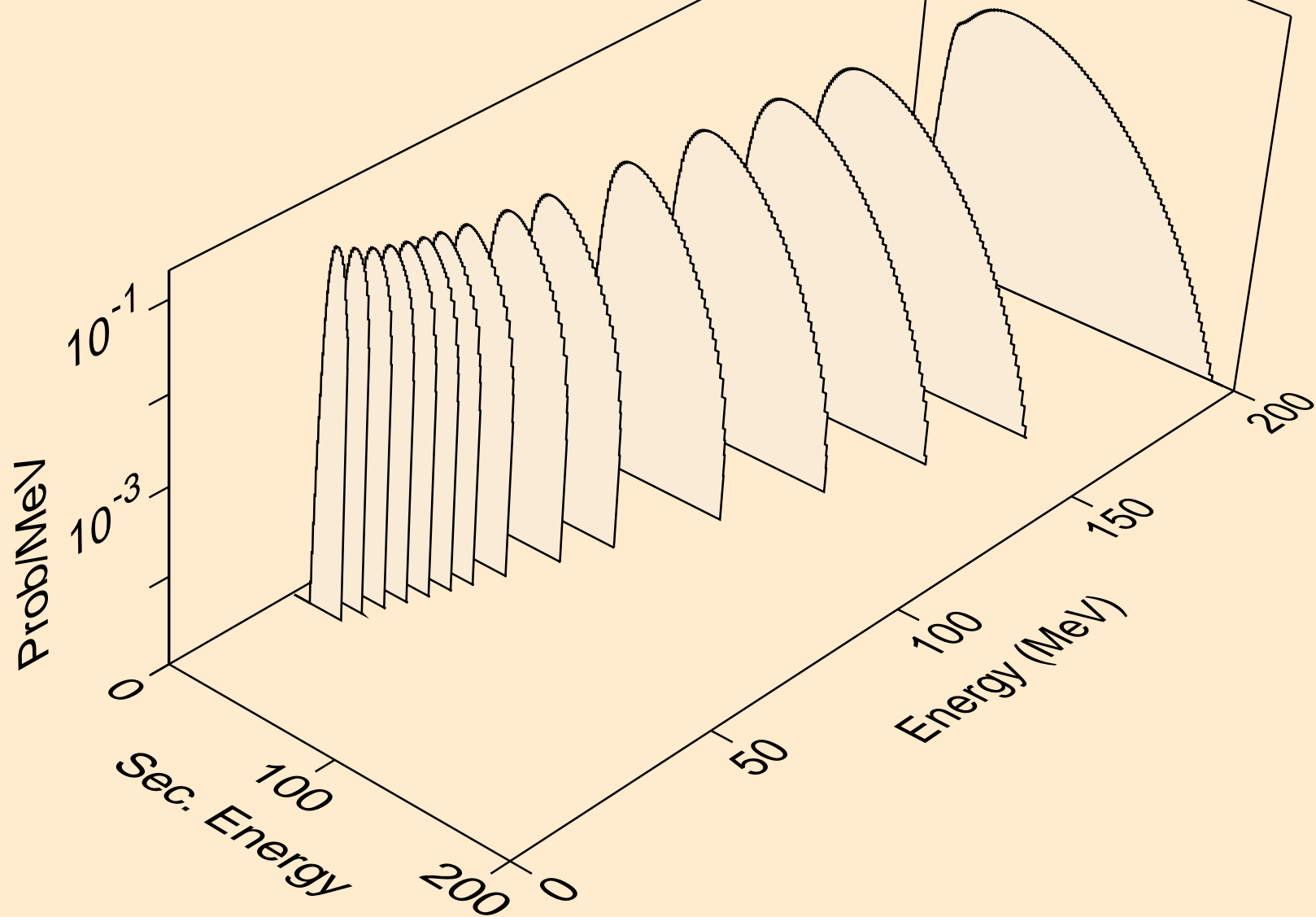
ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,t)



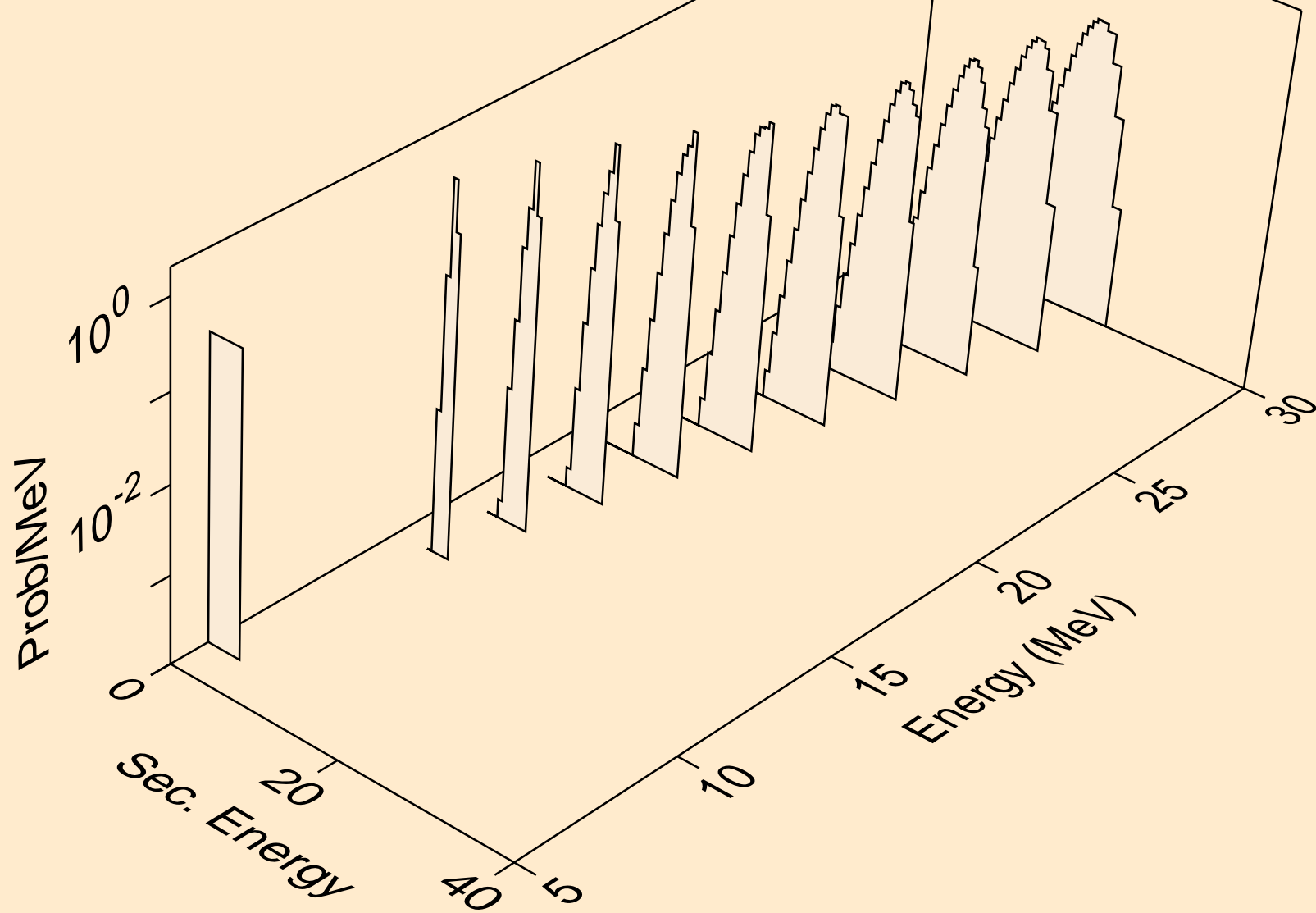
ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,pt)



ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,x)

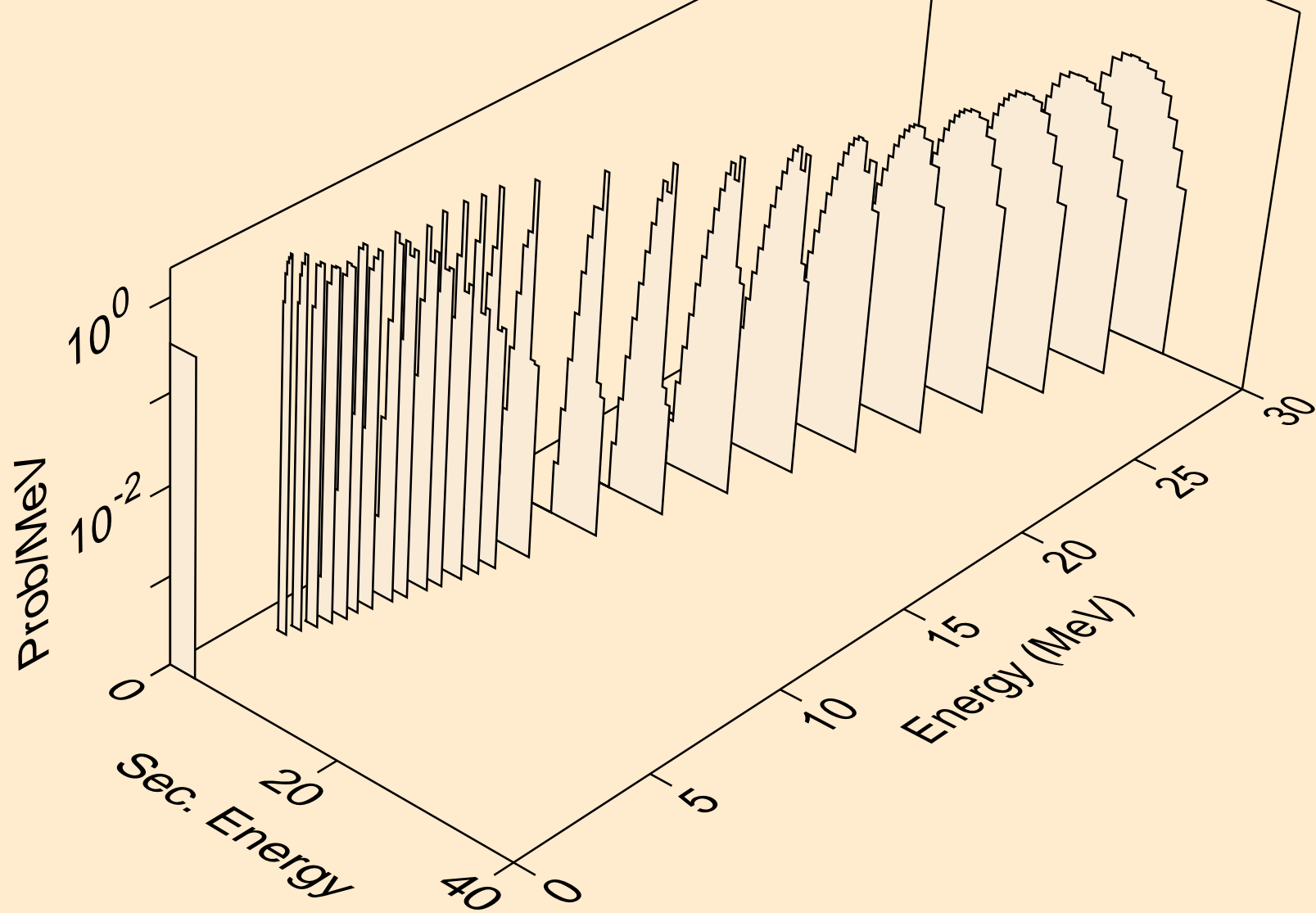


ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,n\*)he3

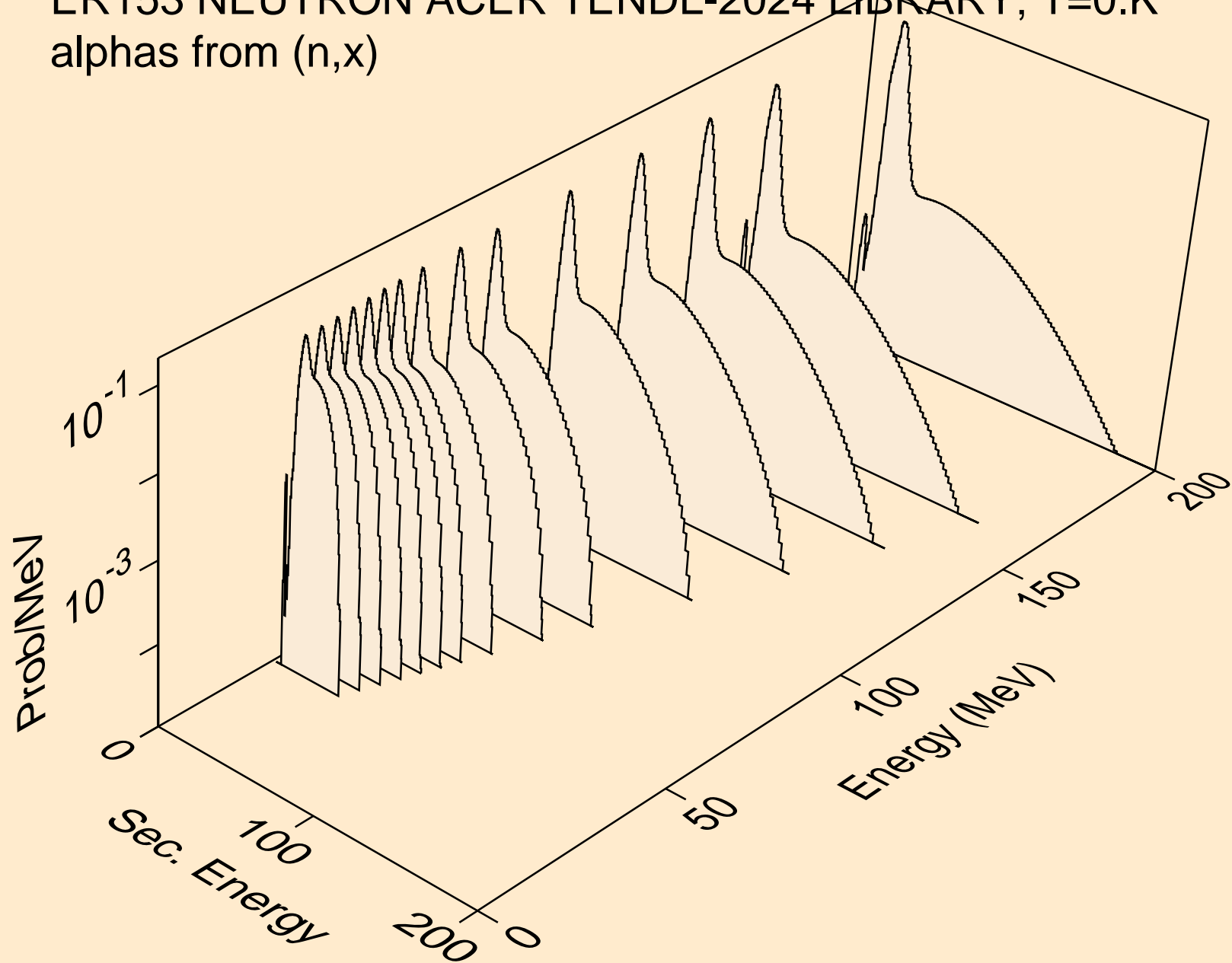




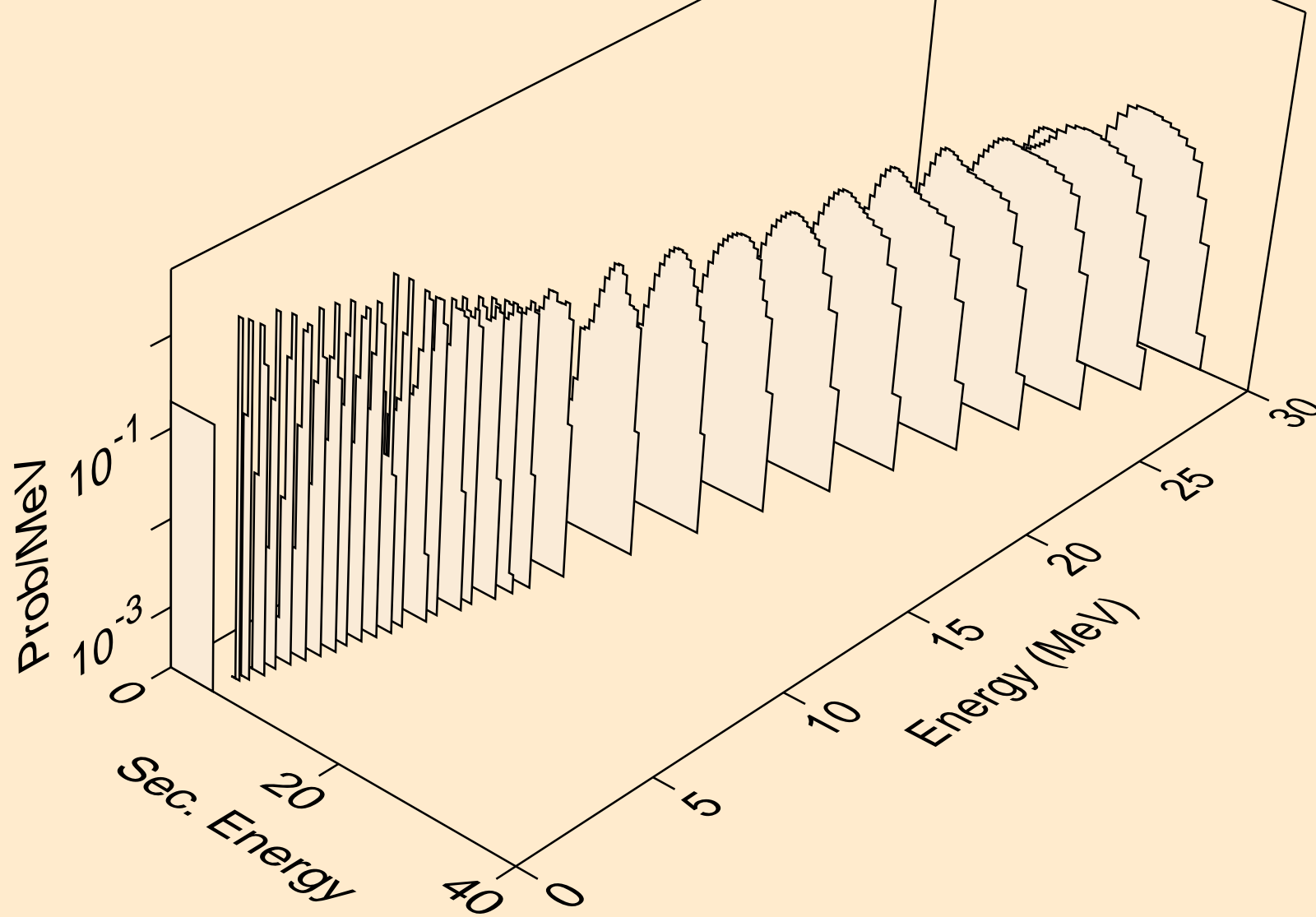
ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,he3)



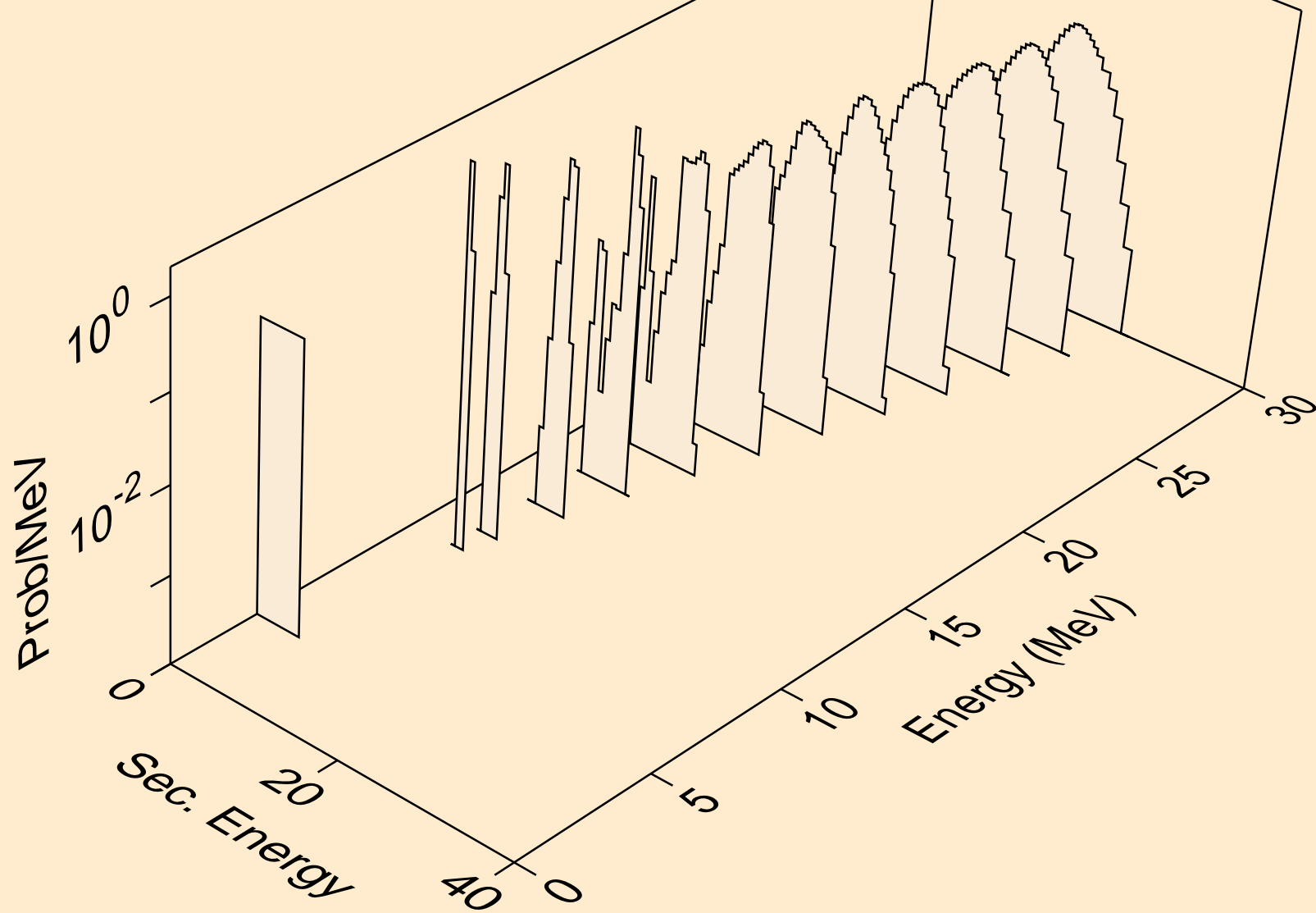
ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,x)



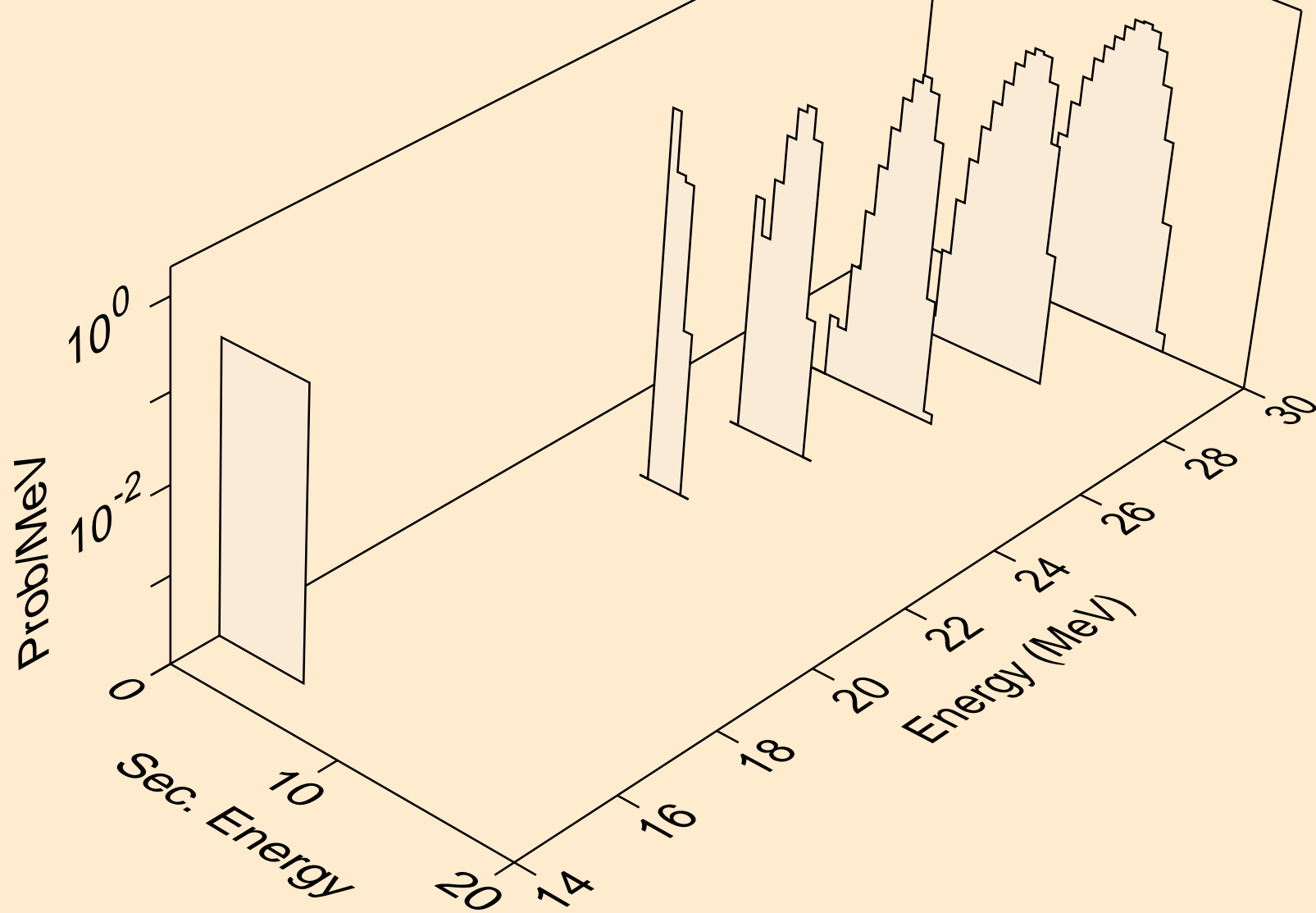
ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)a



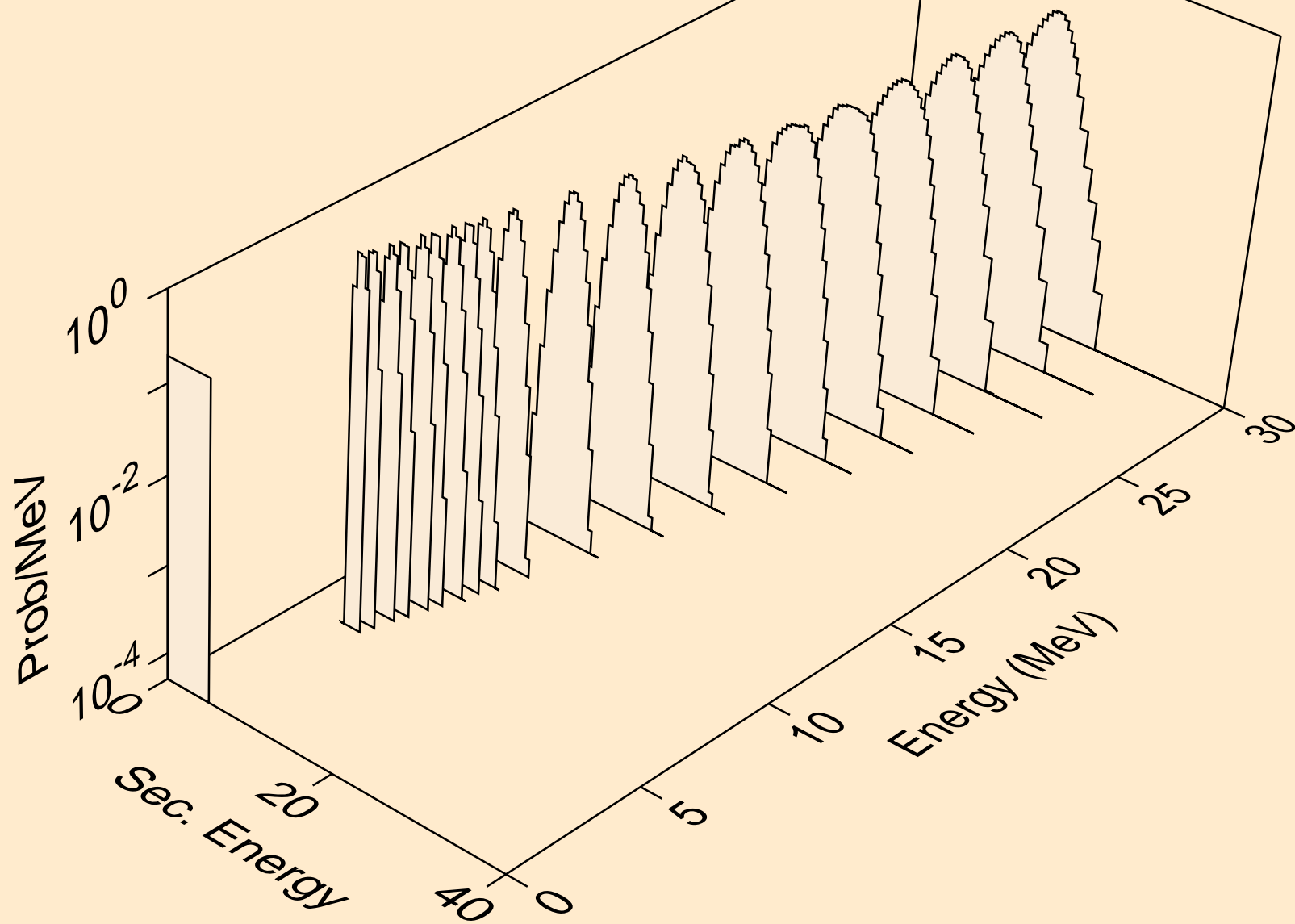
ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2n)a



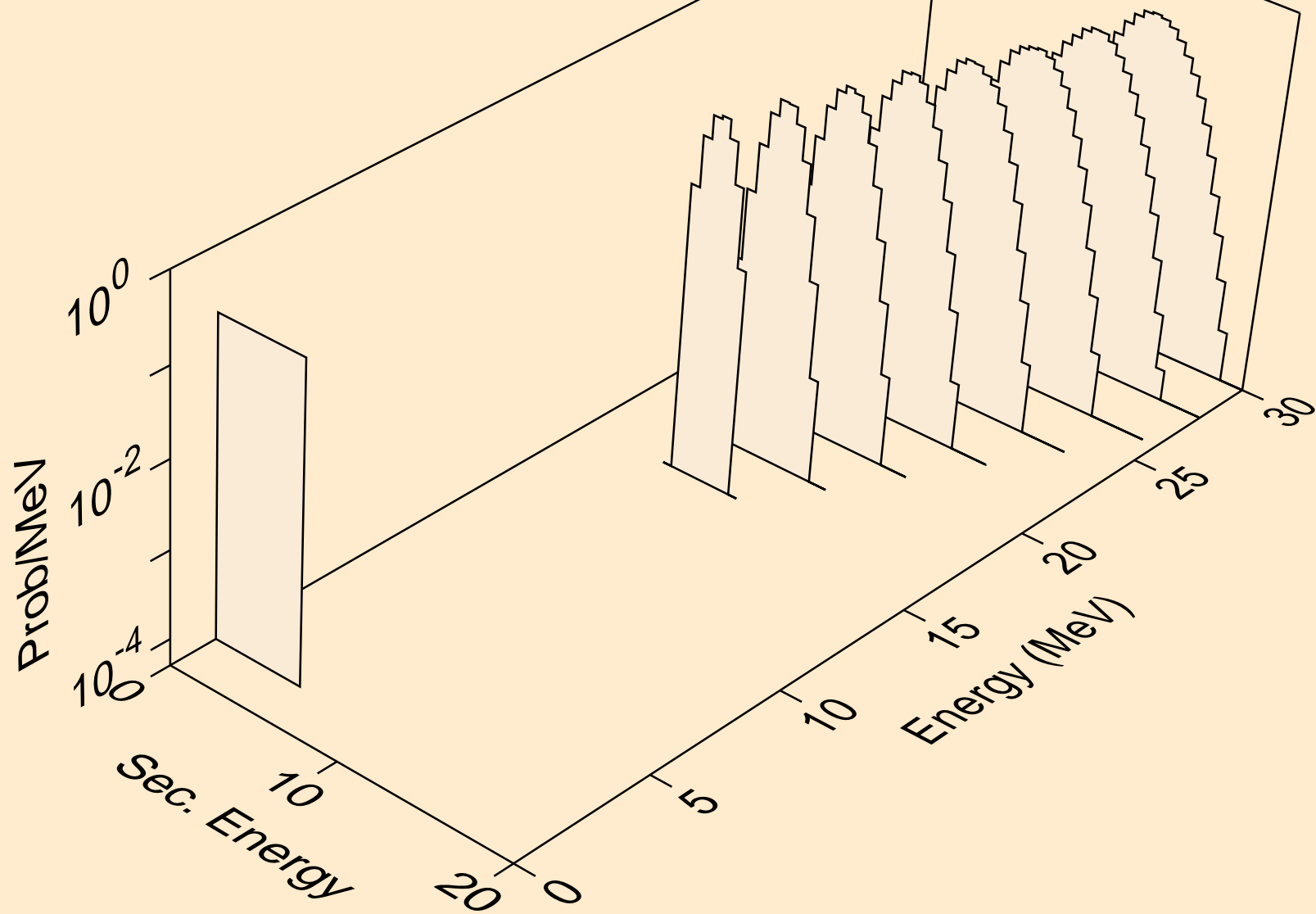
ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,3n)a



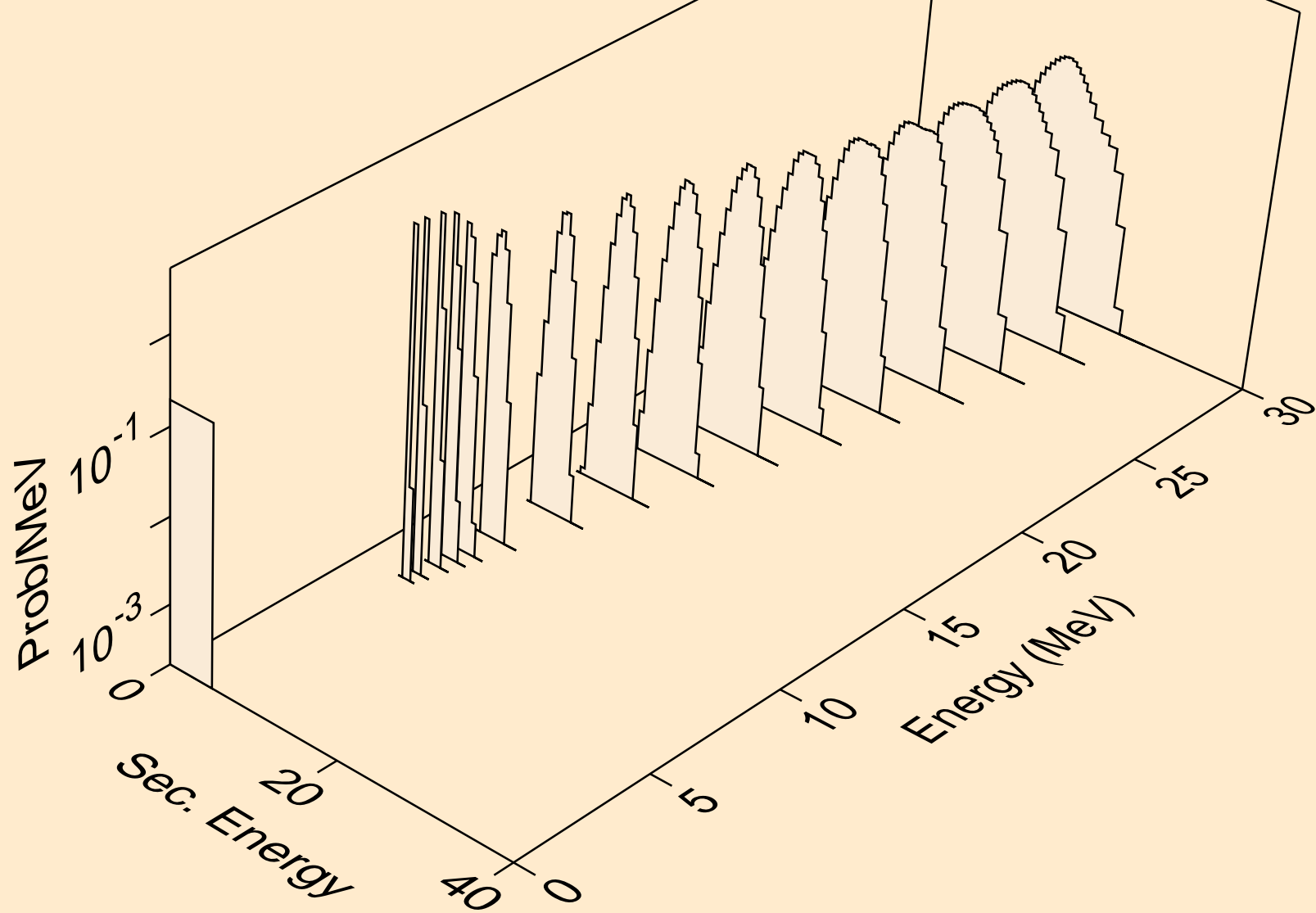
ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)2a



ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2n)2a

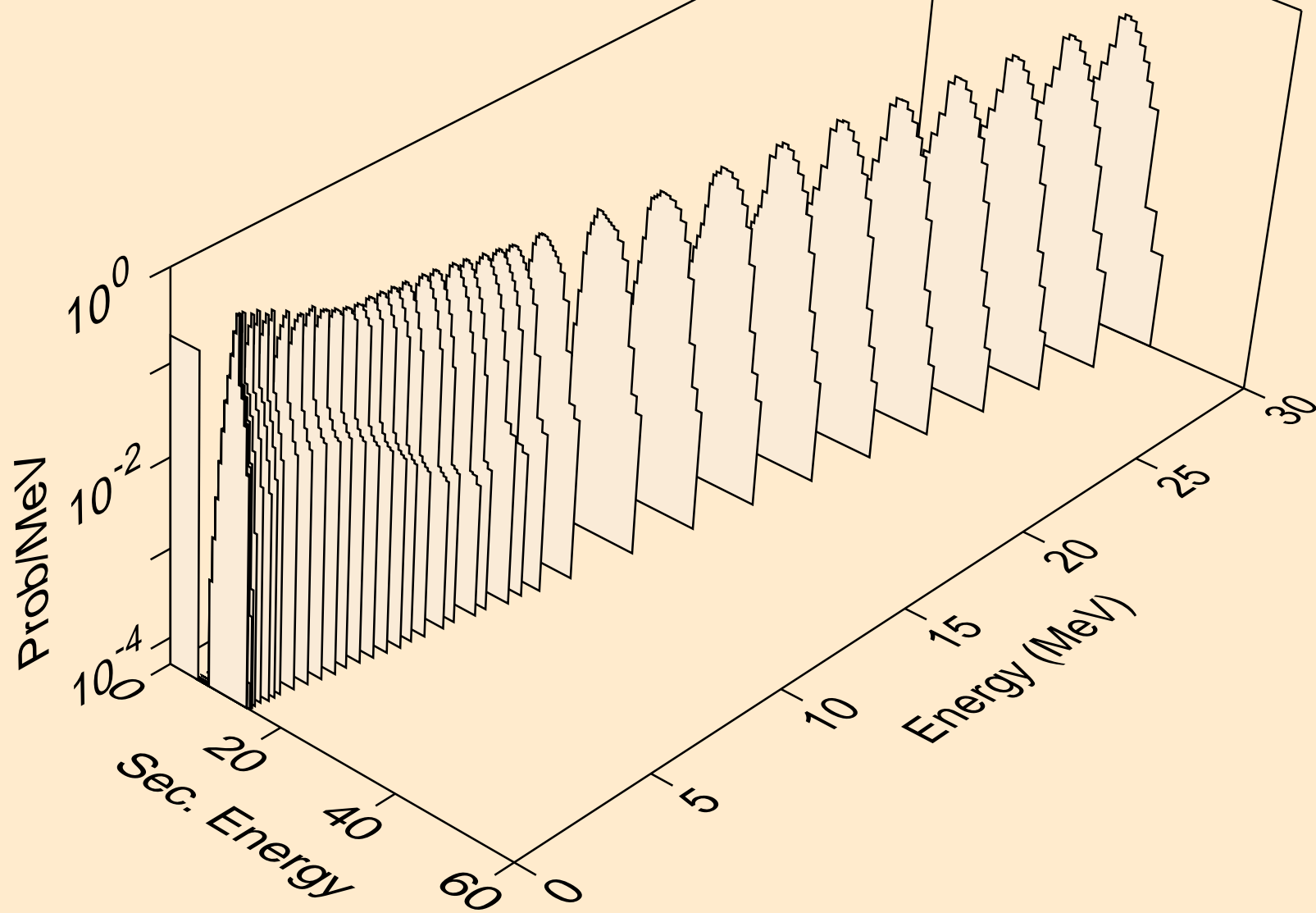


ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,npa)

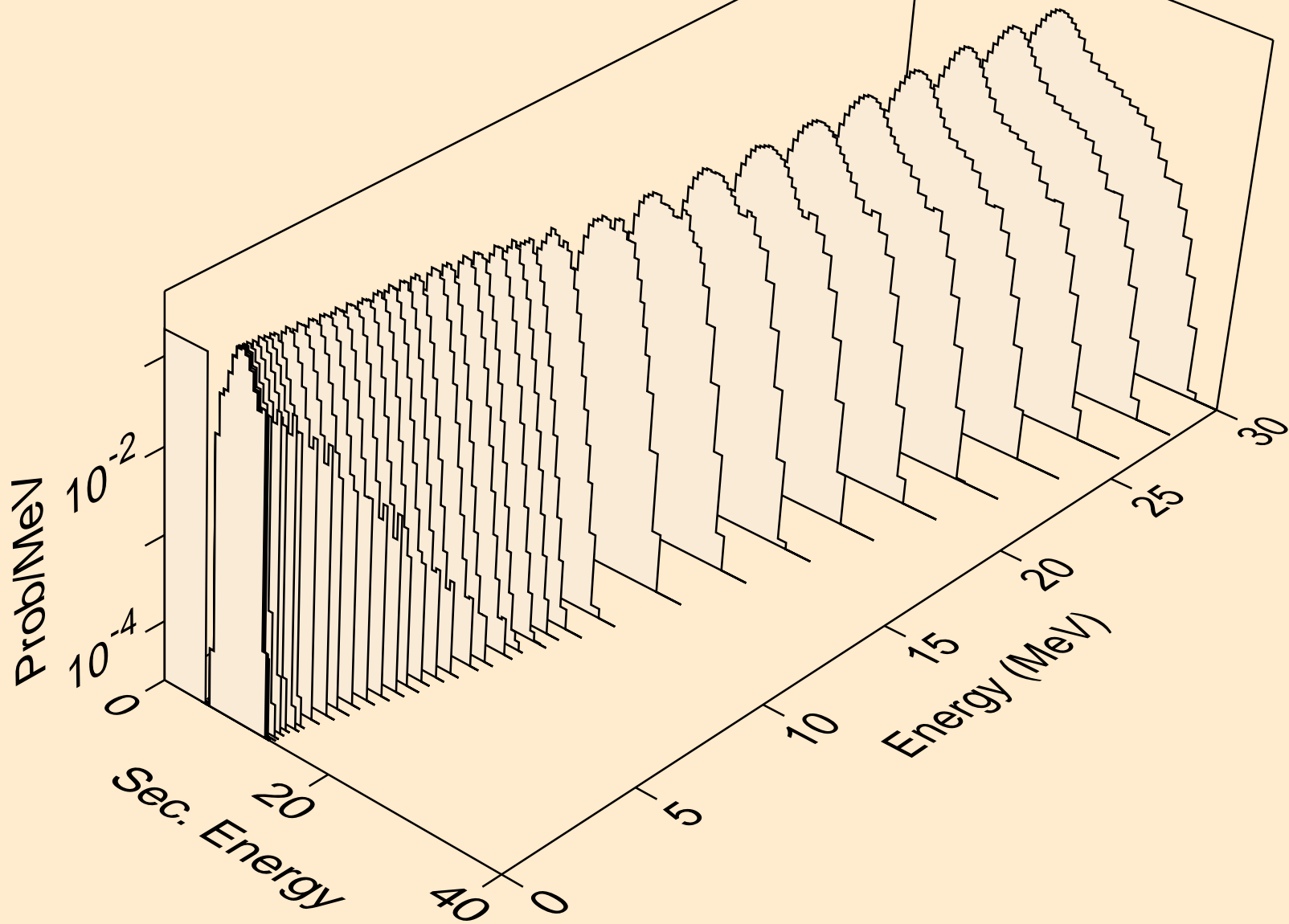




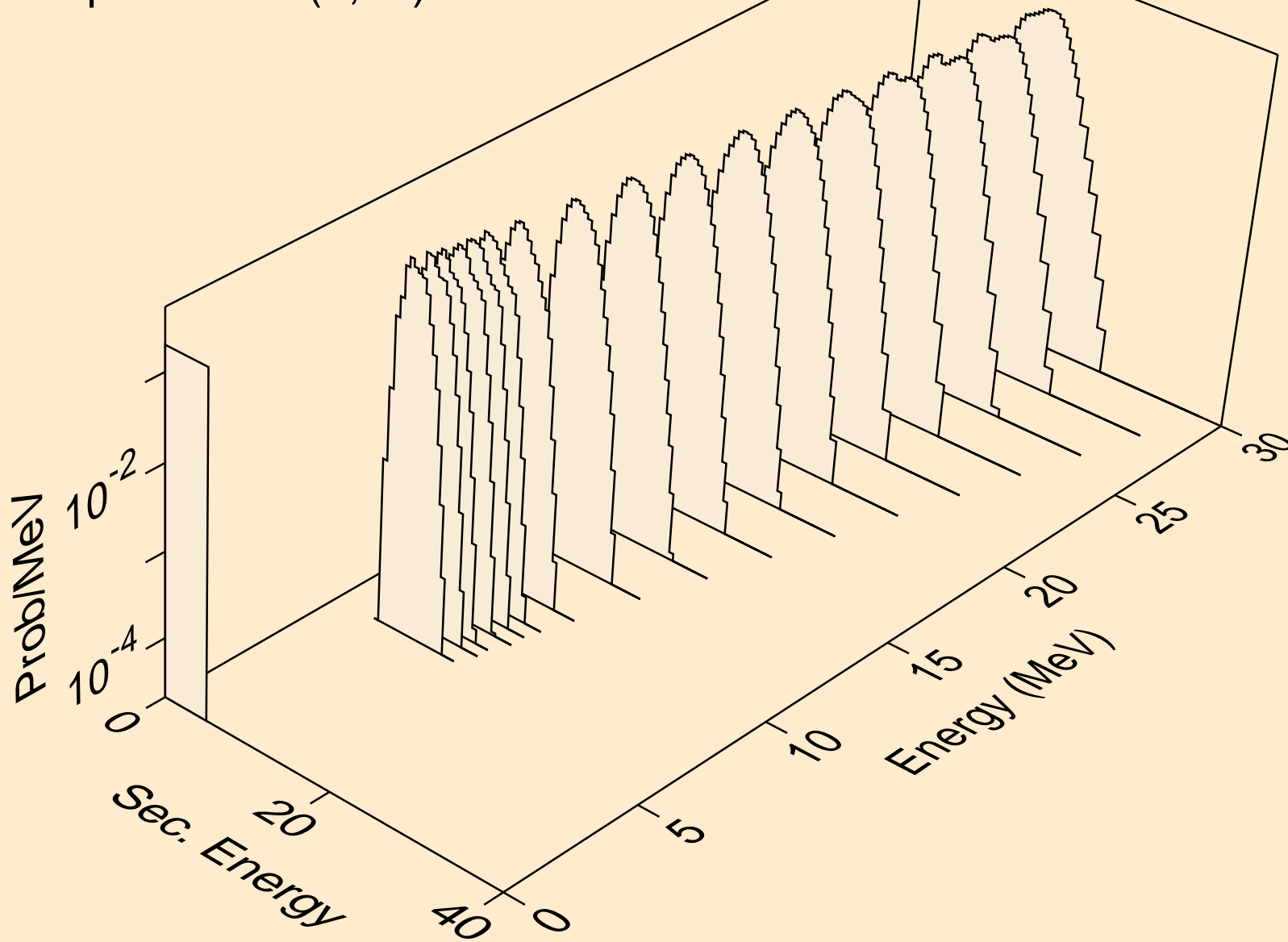
ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,a)



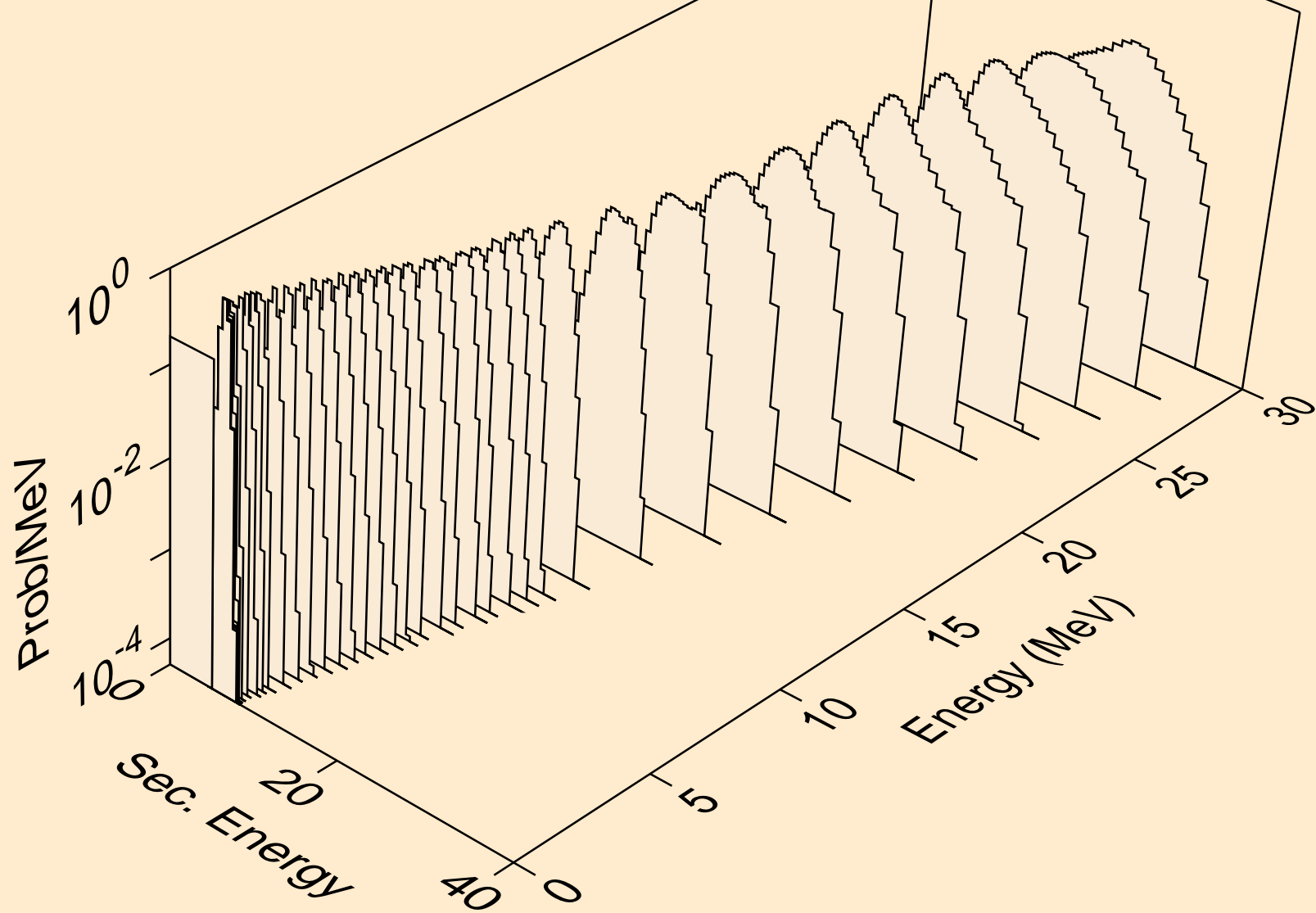
ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2a)



ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,3a)



ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,pa)



ER153 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,da)

