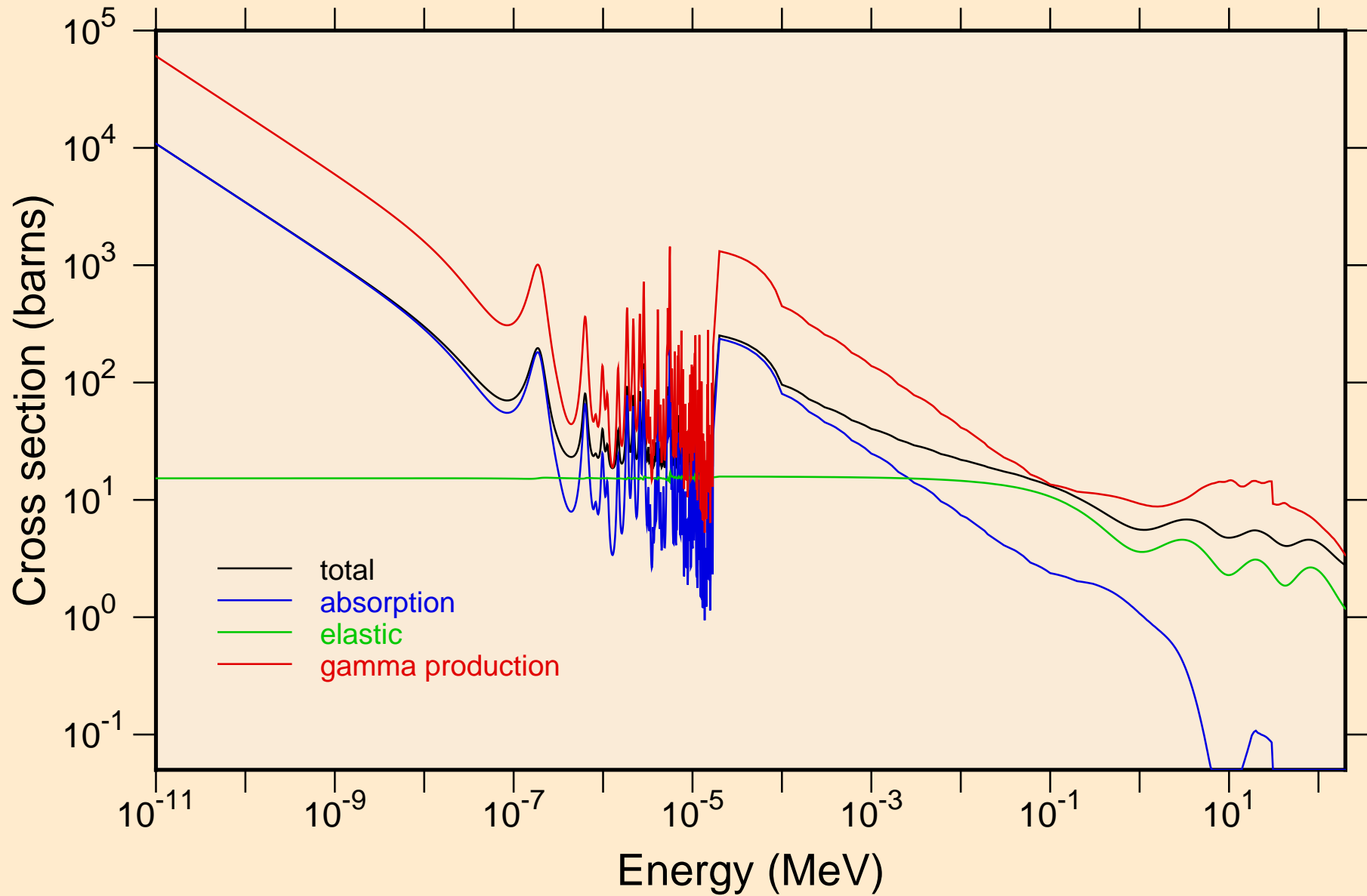
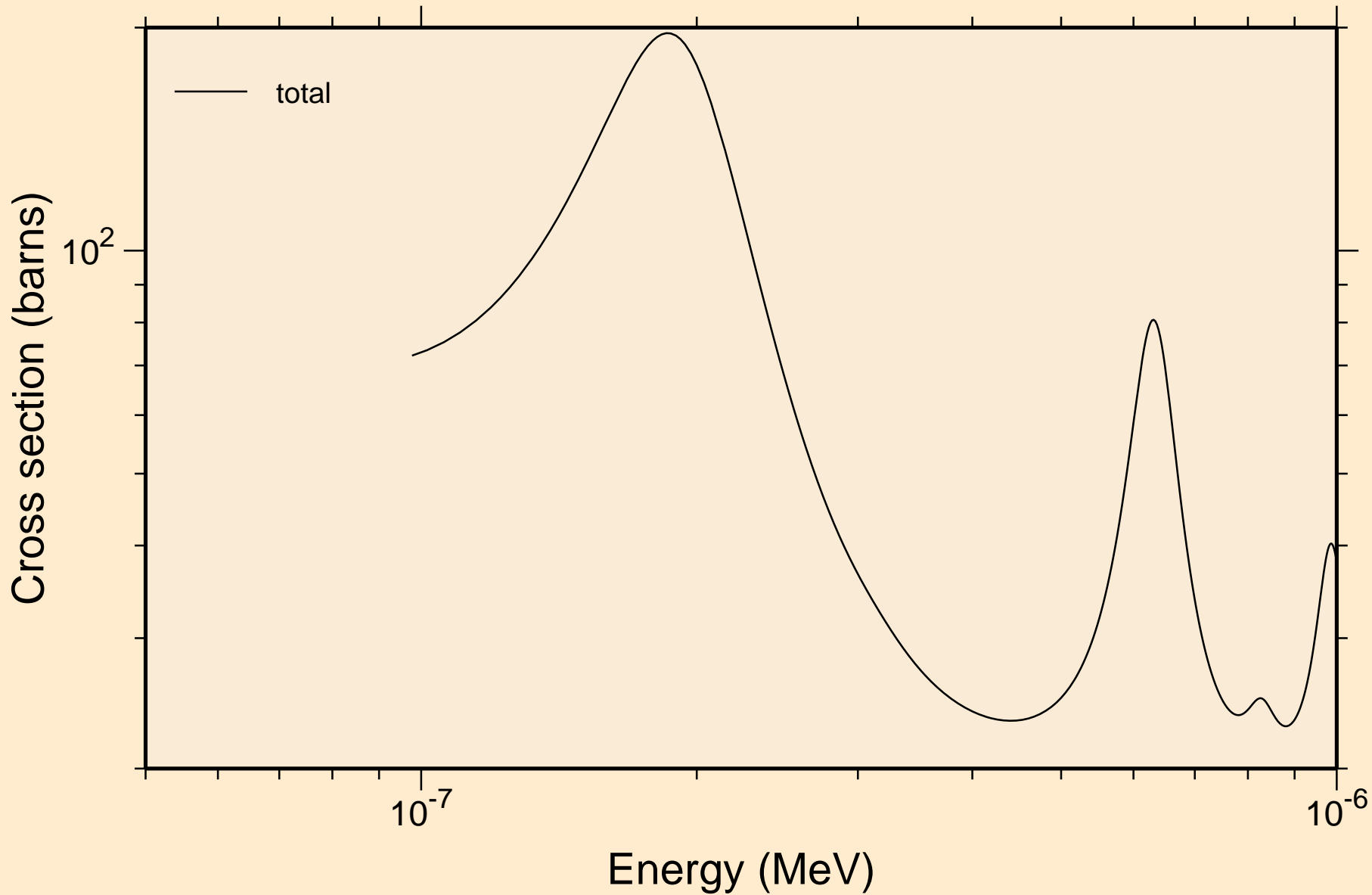


# IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

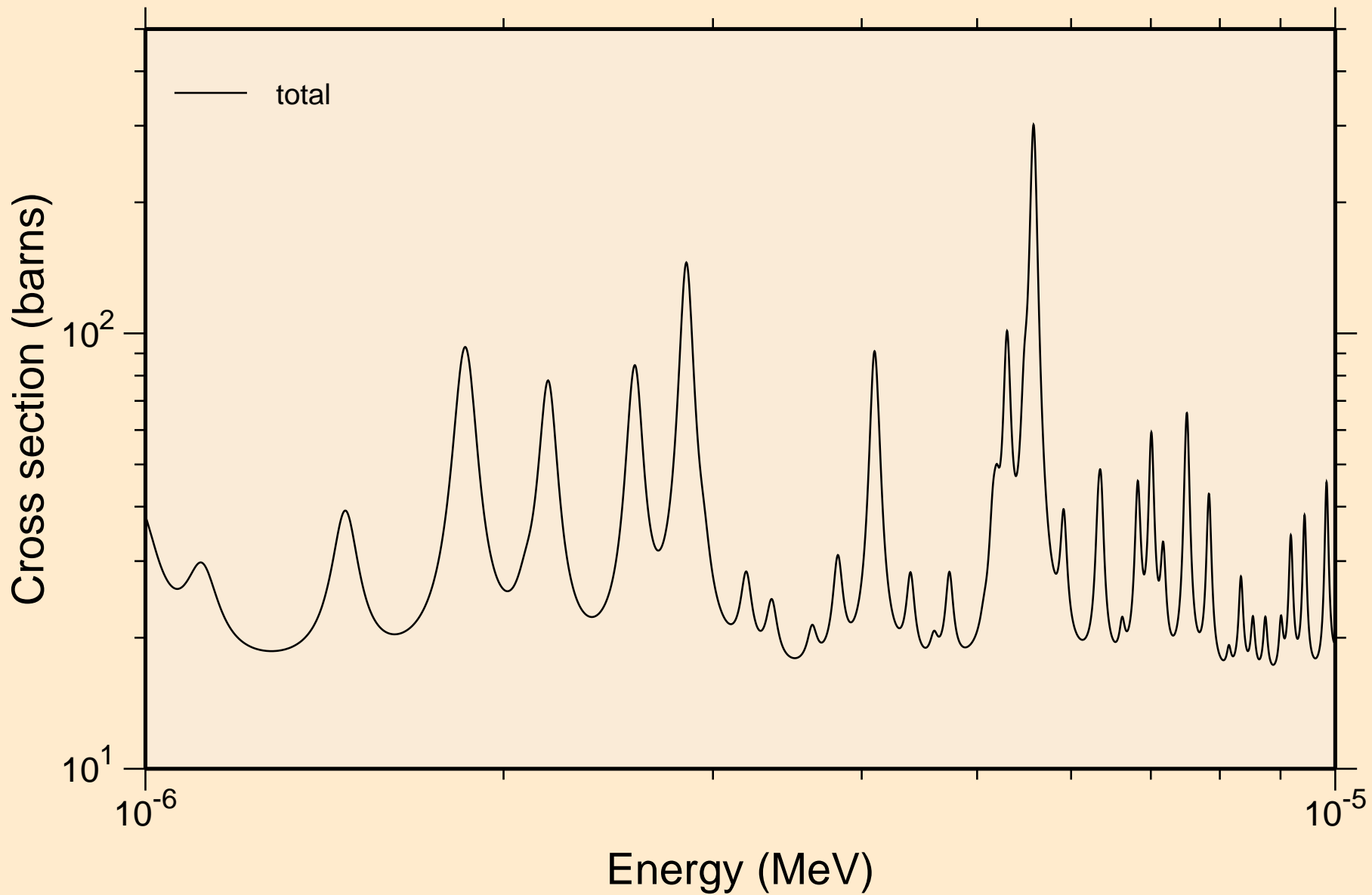
## Principal cross sections



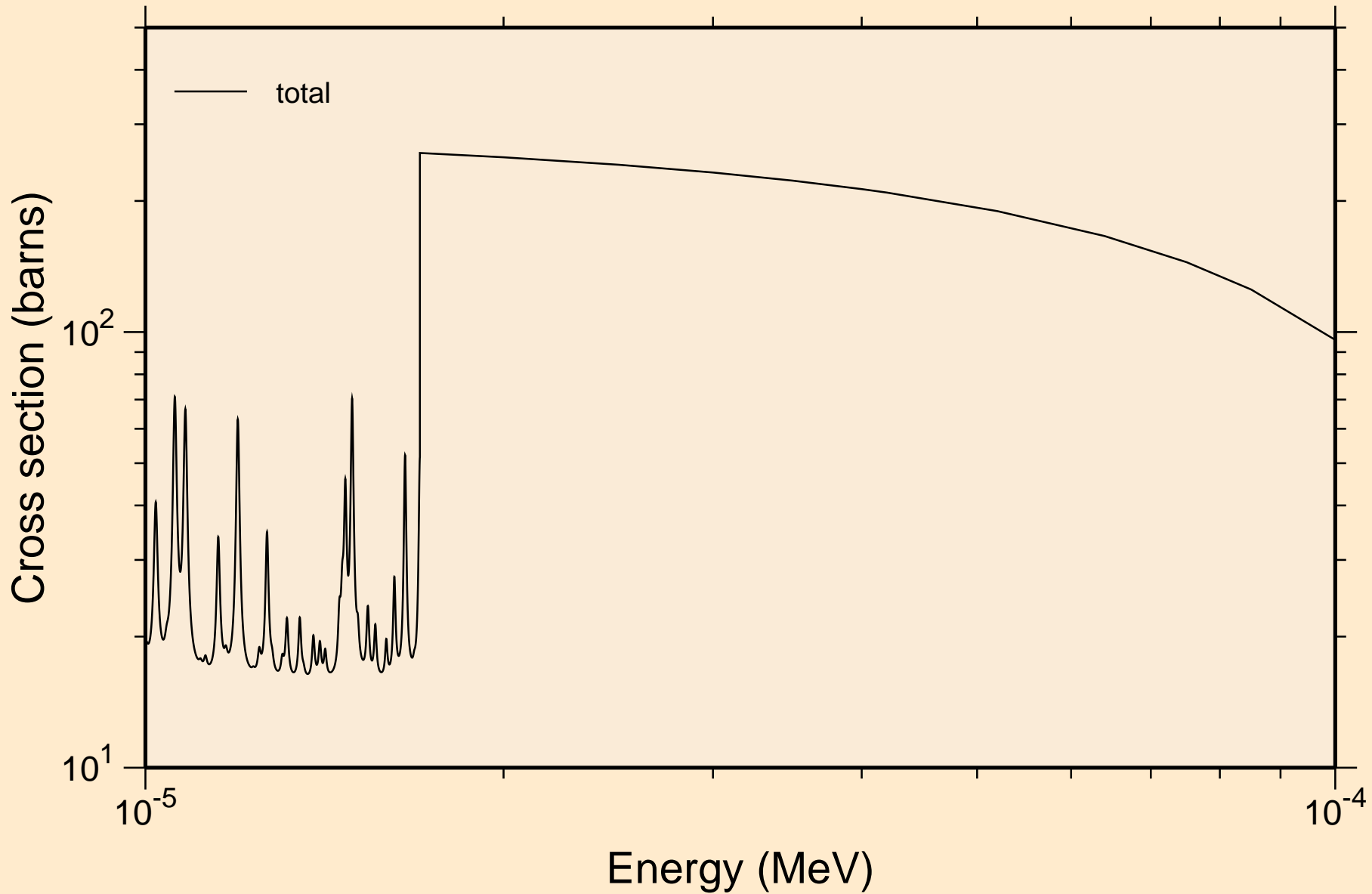
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



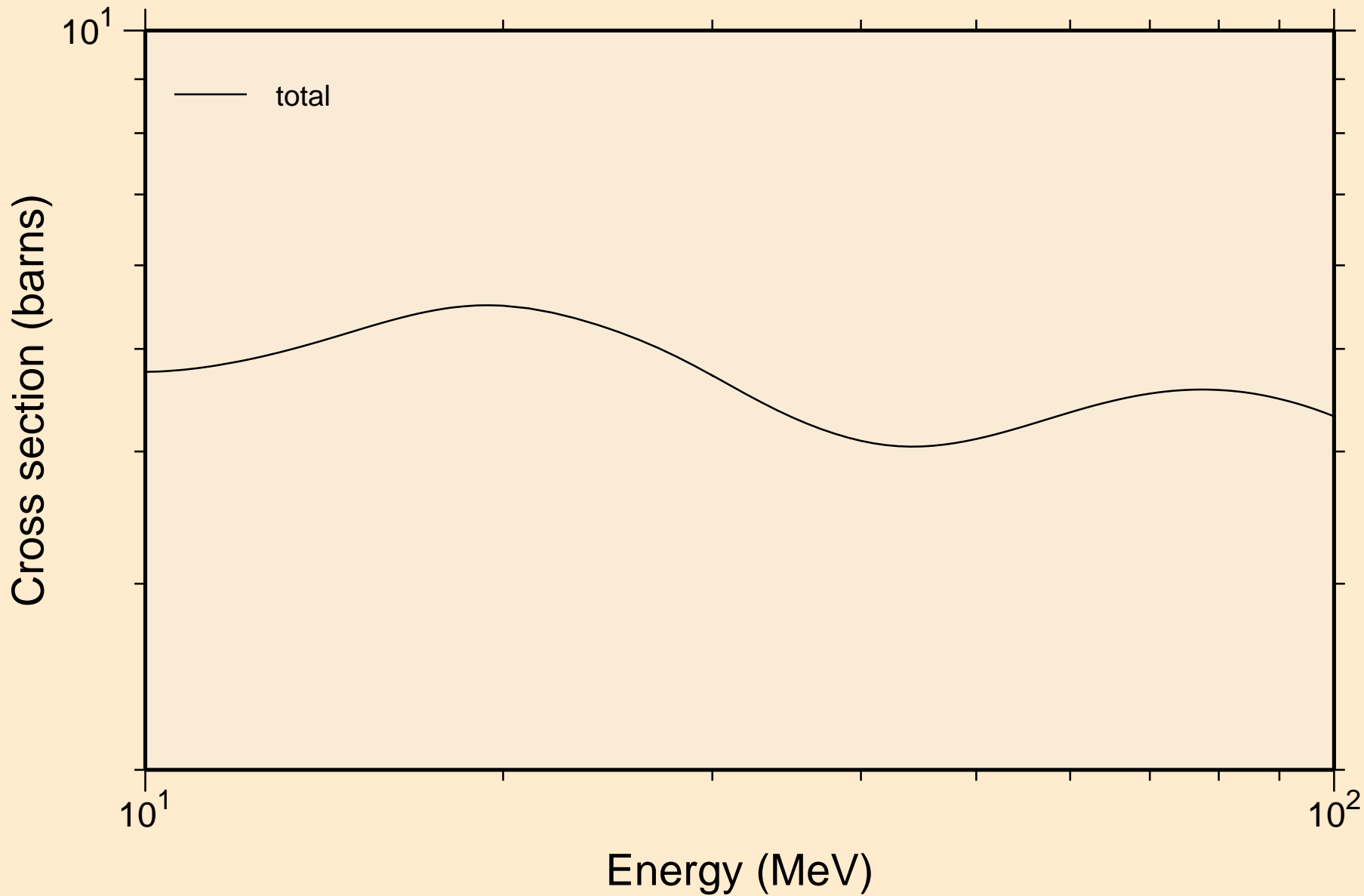
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



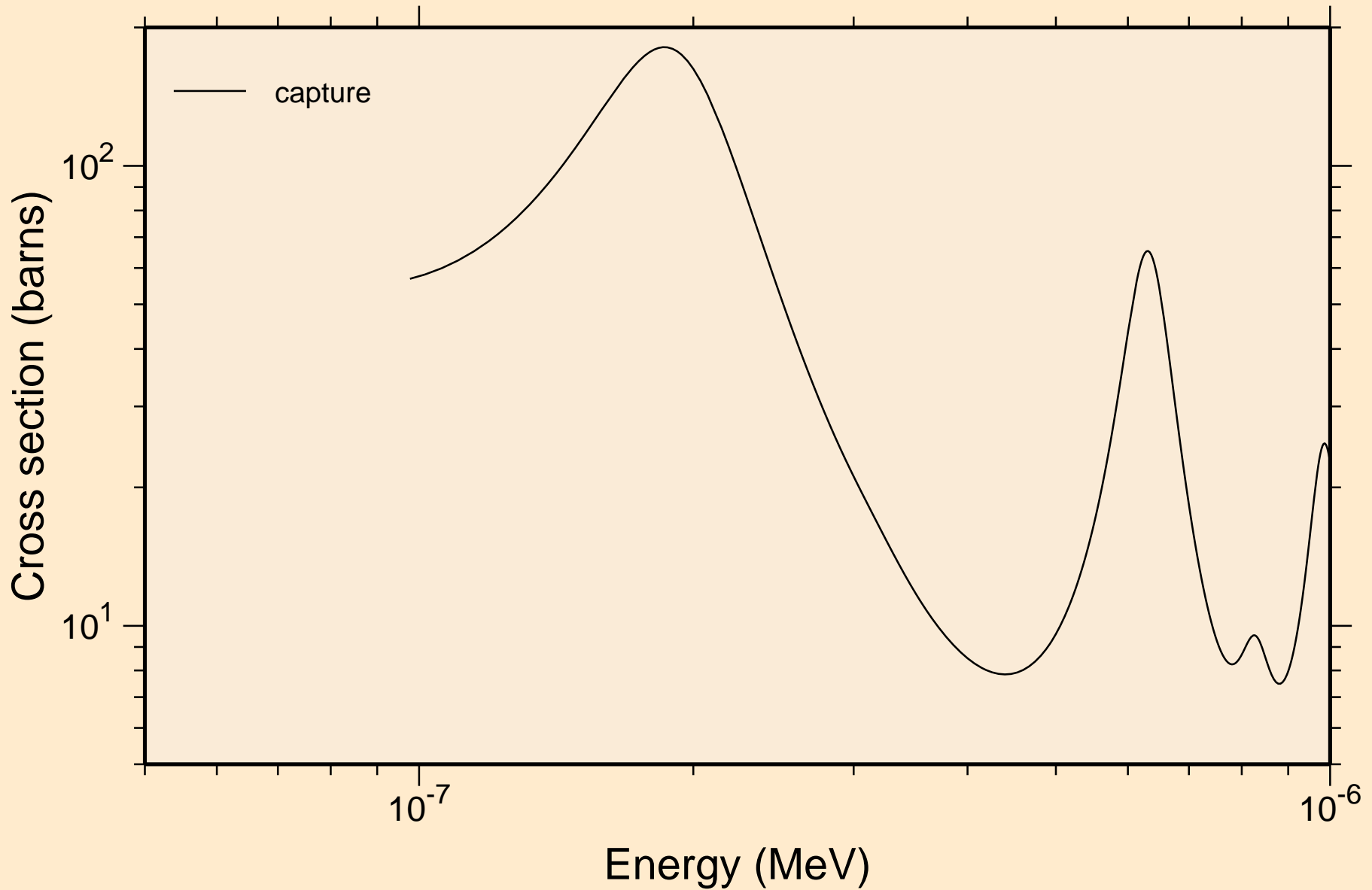
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



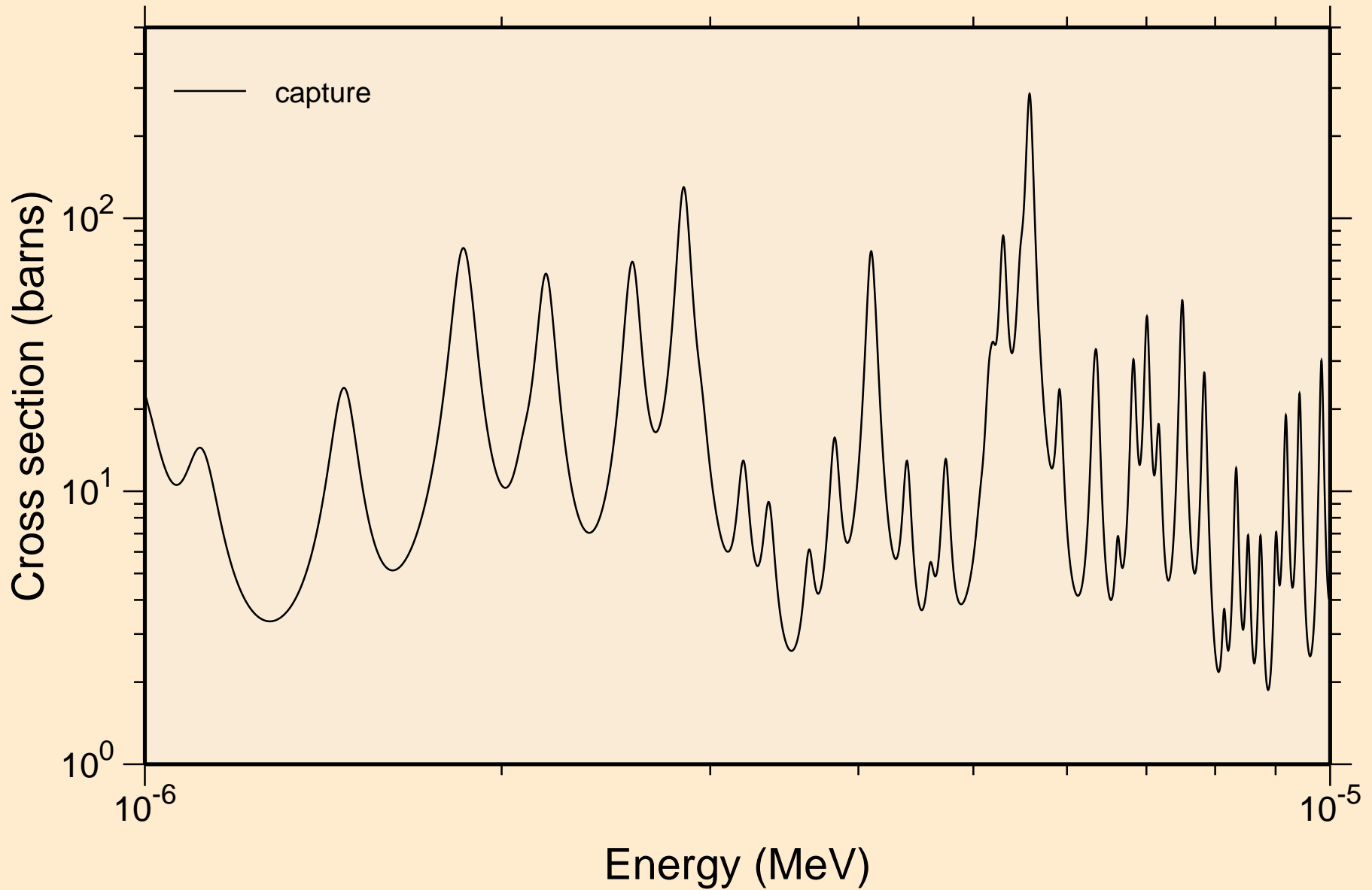
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



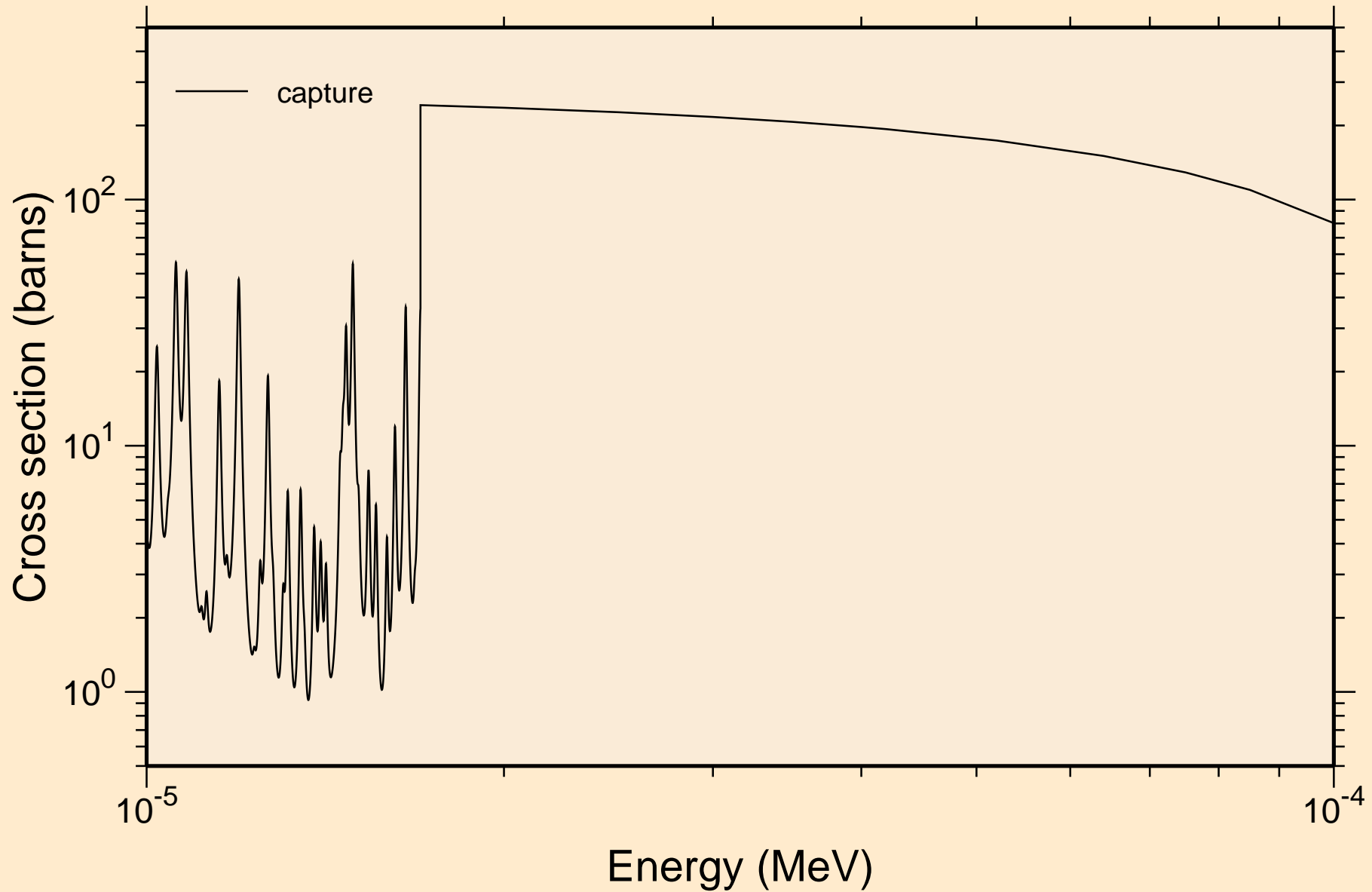
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



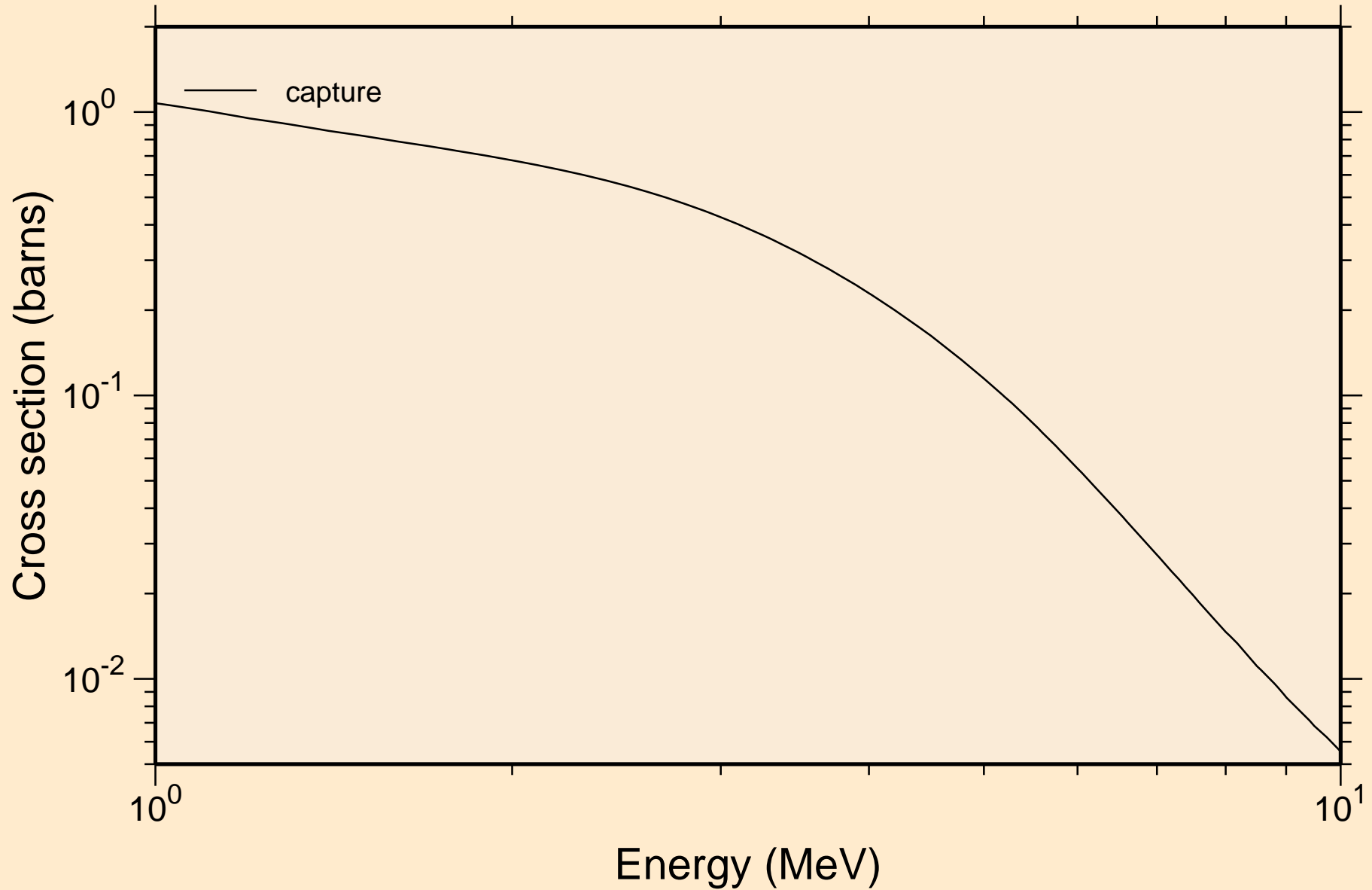
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

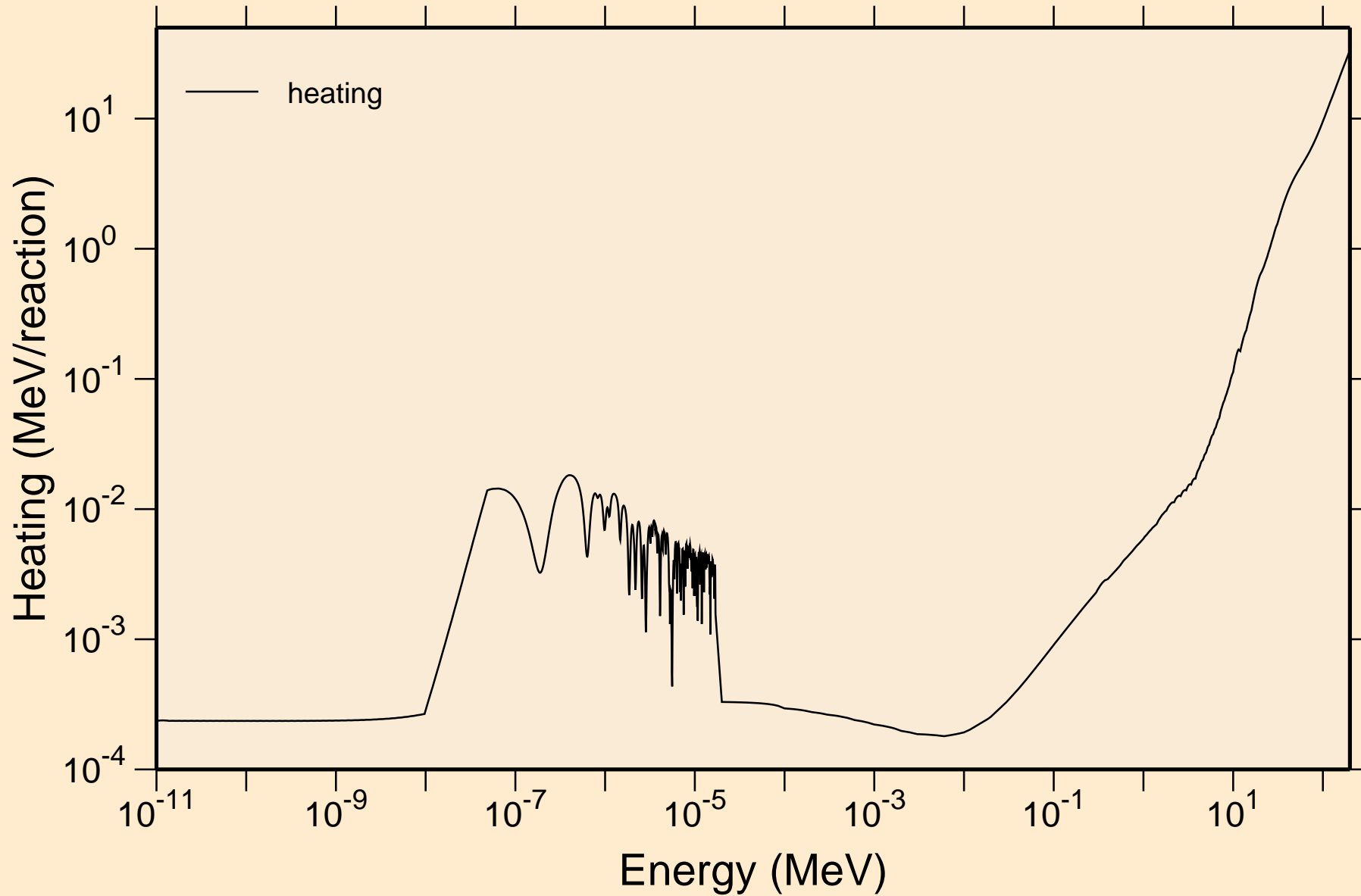


IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



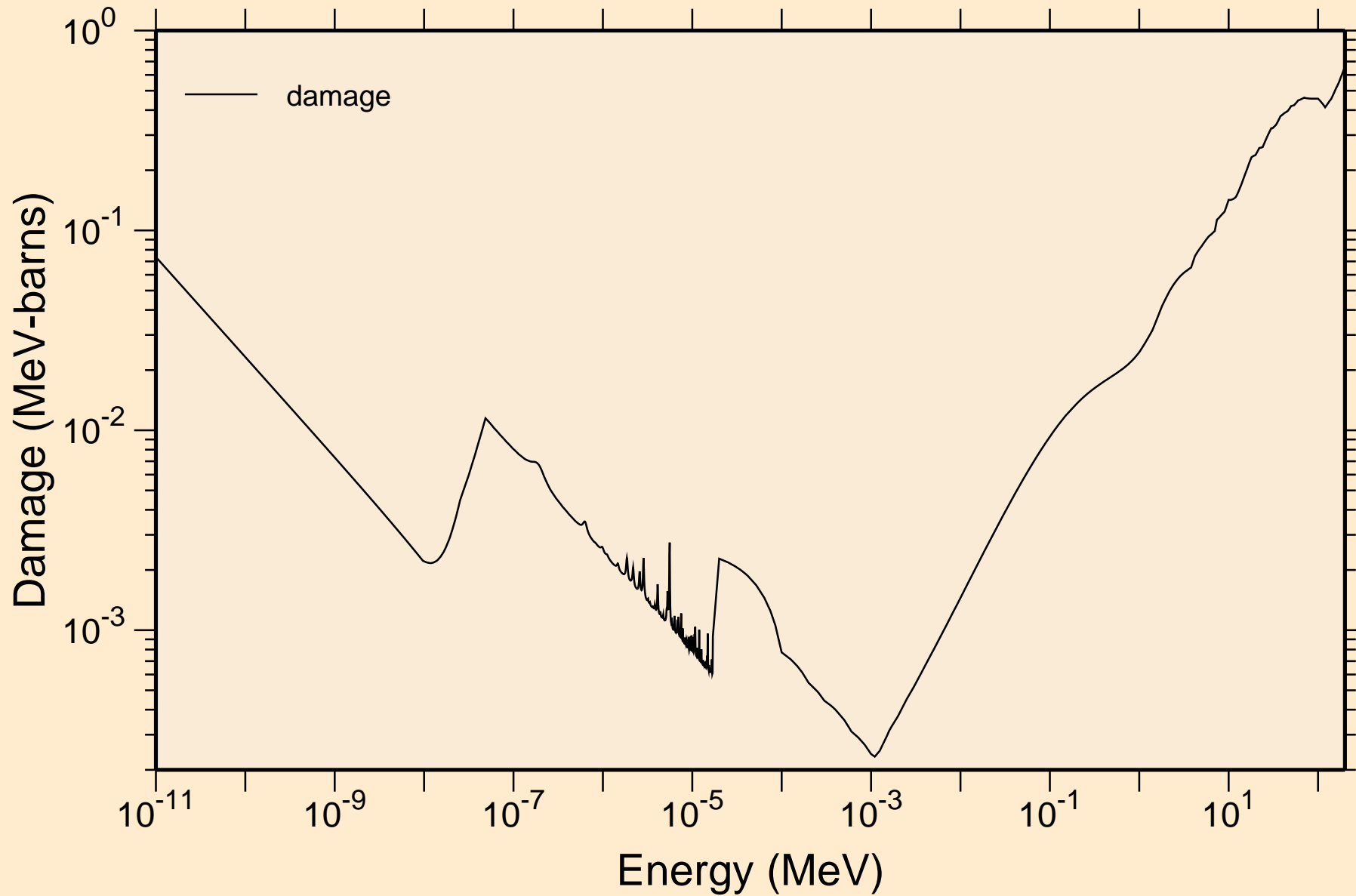
# IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Heating



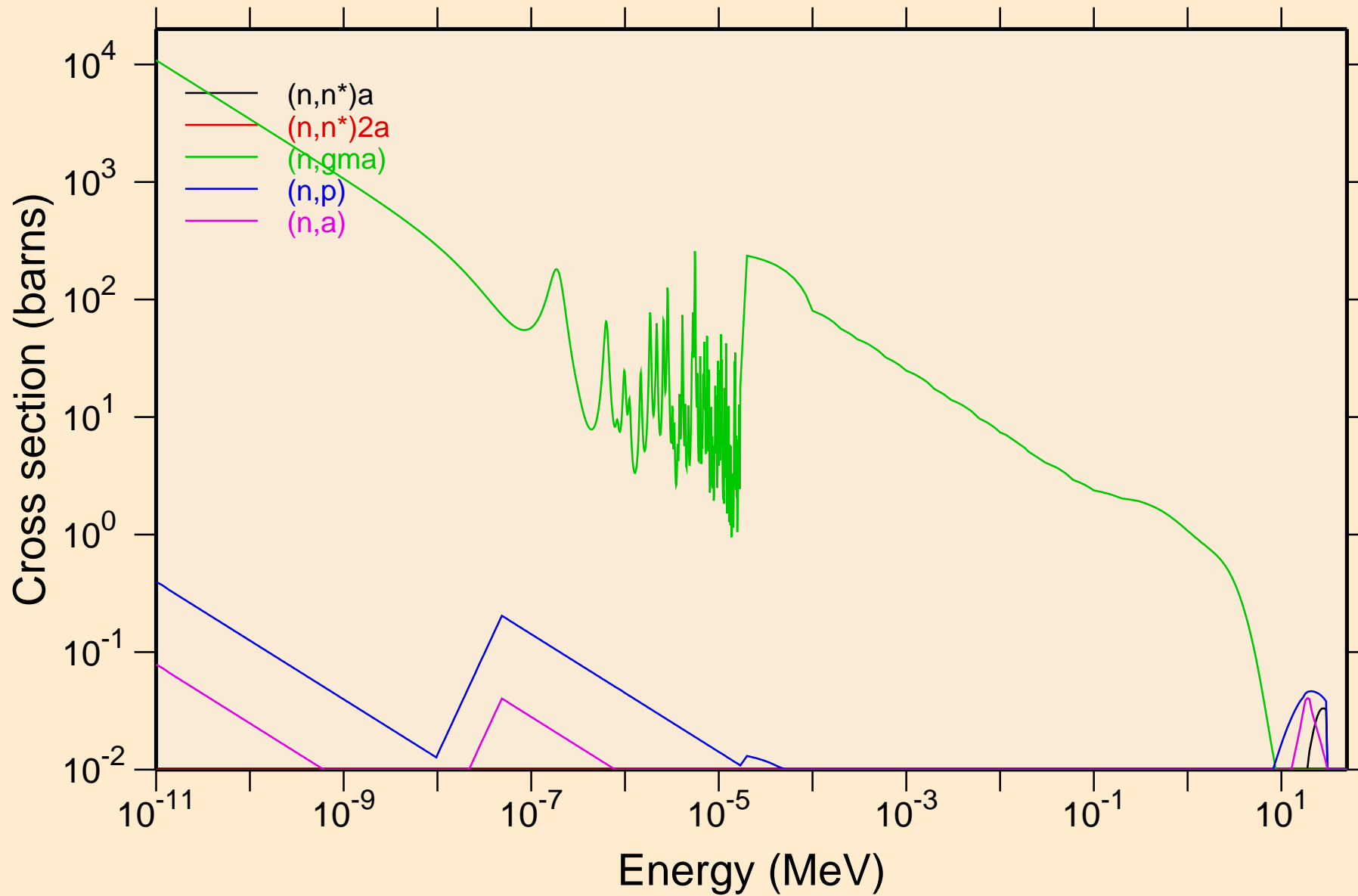
# IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Damage



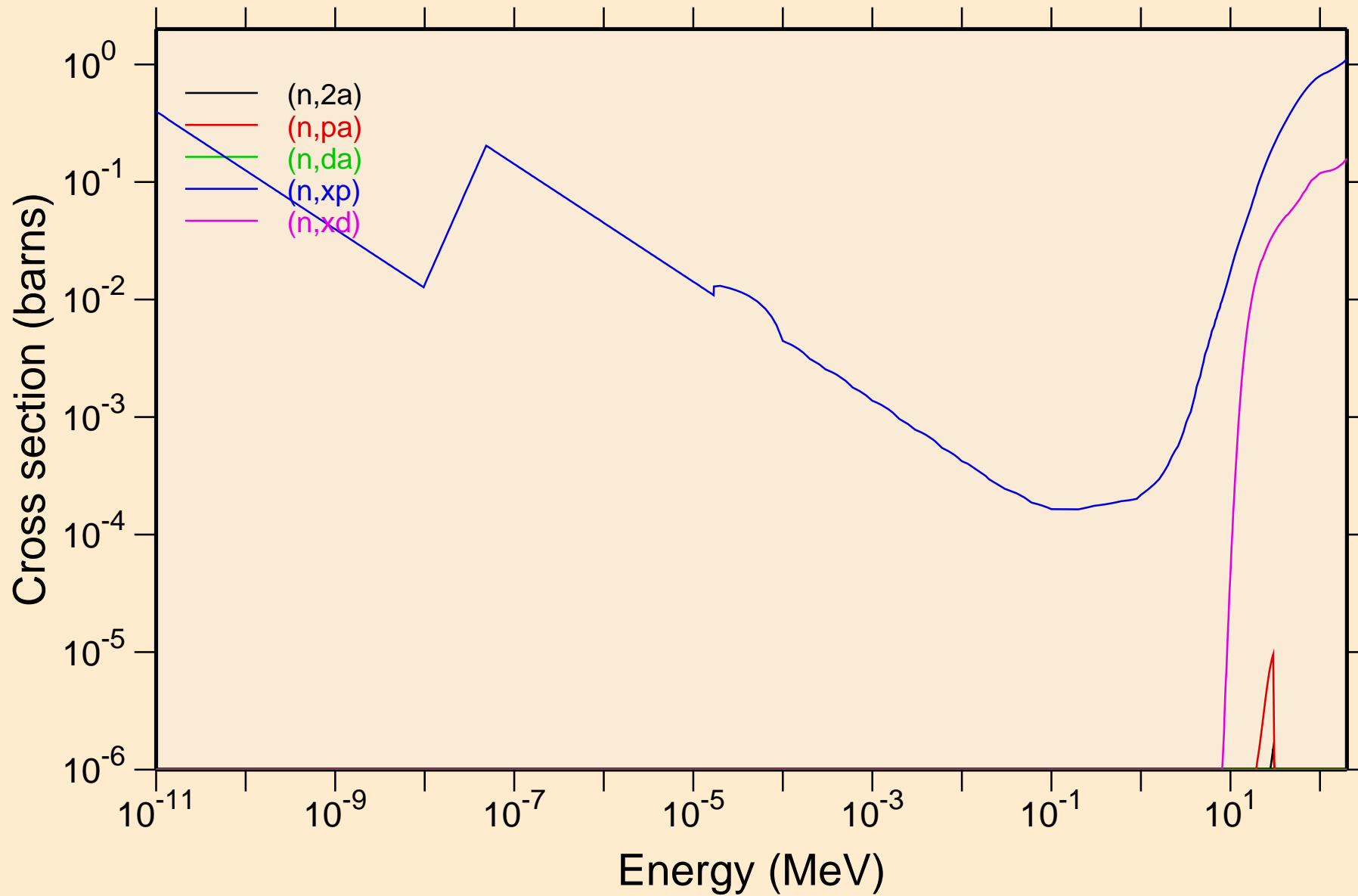
# IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Non-threshold reactions

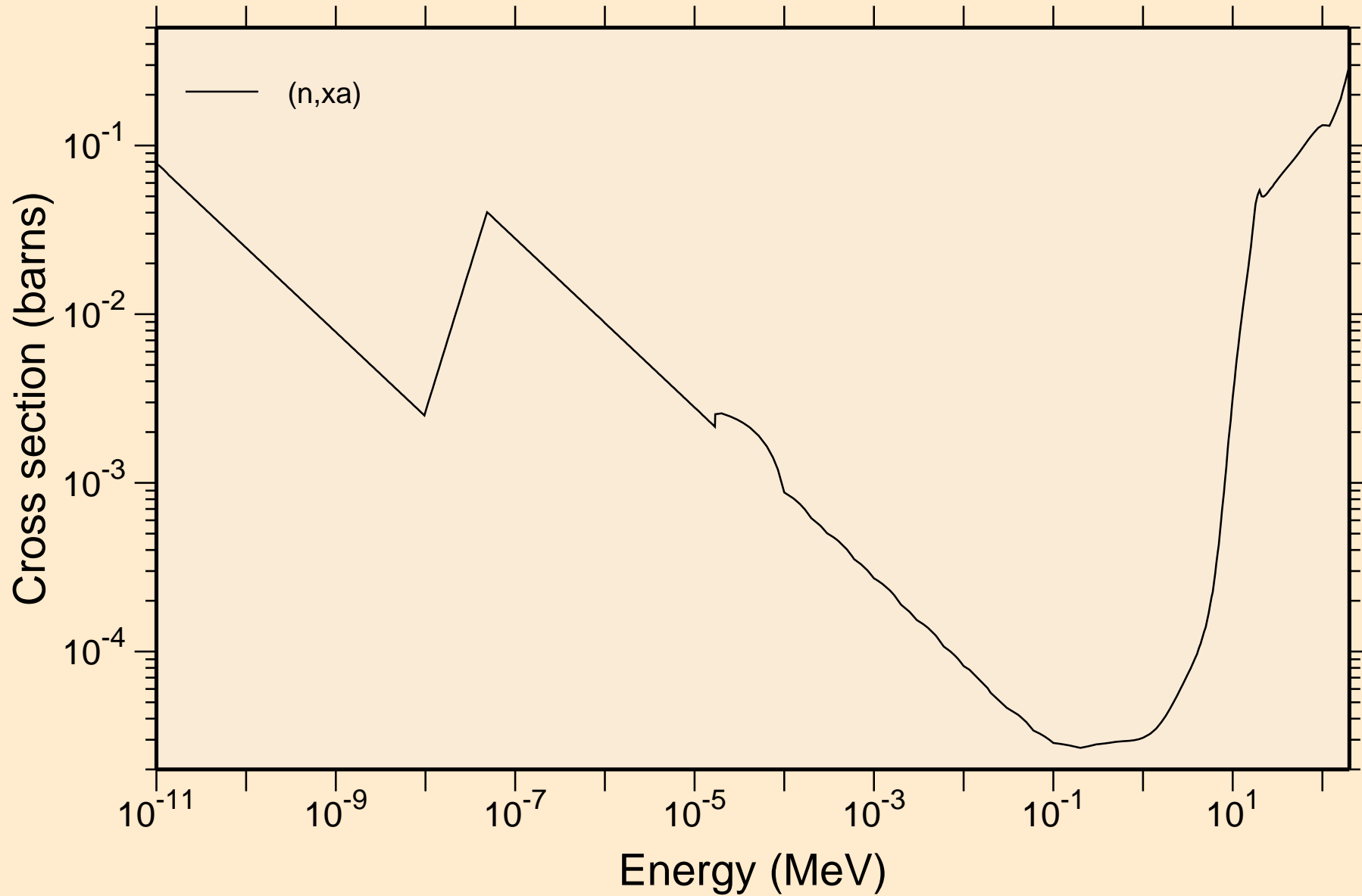


# IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Non-threshold reactions

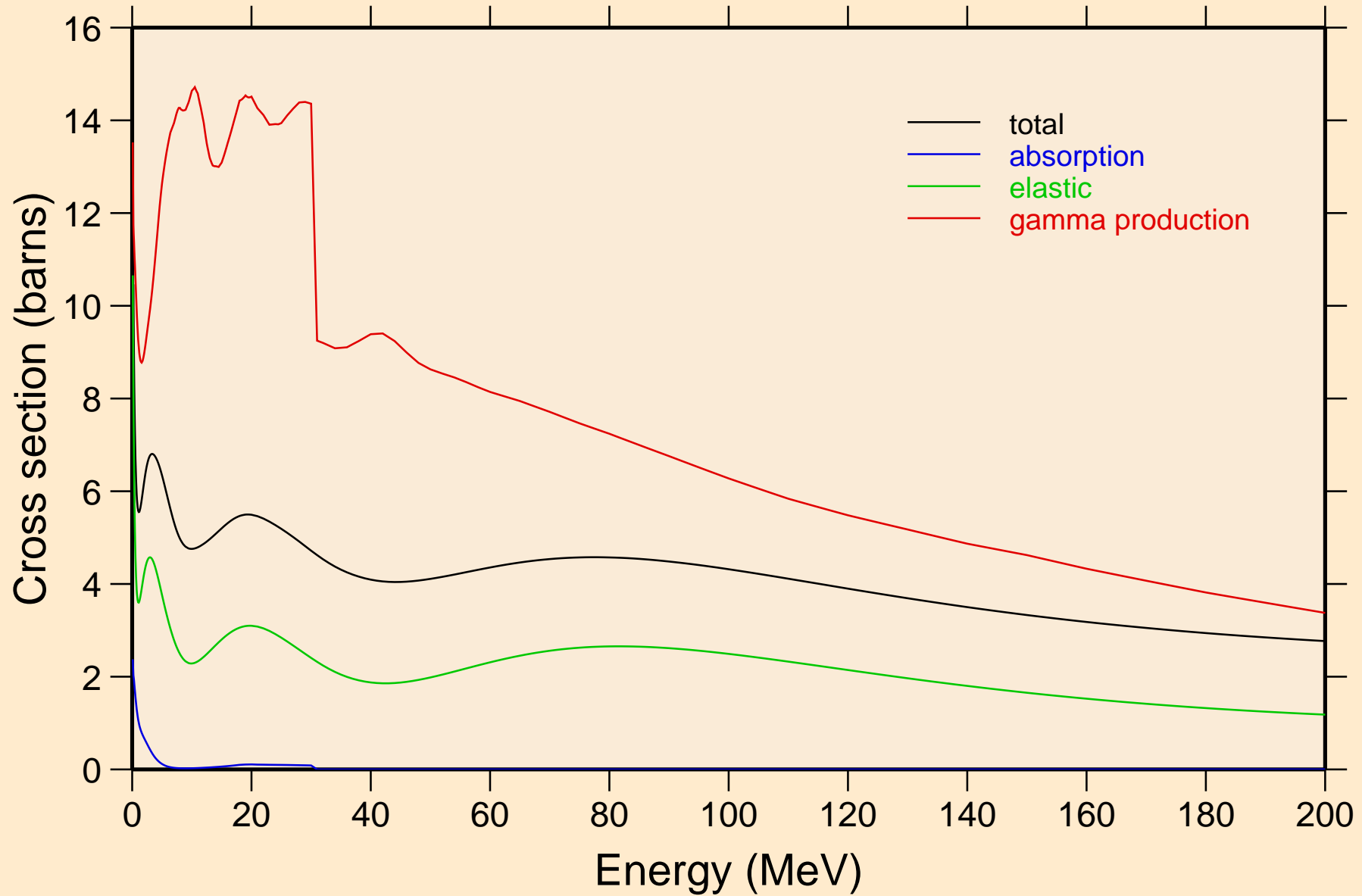


IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



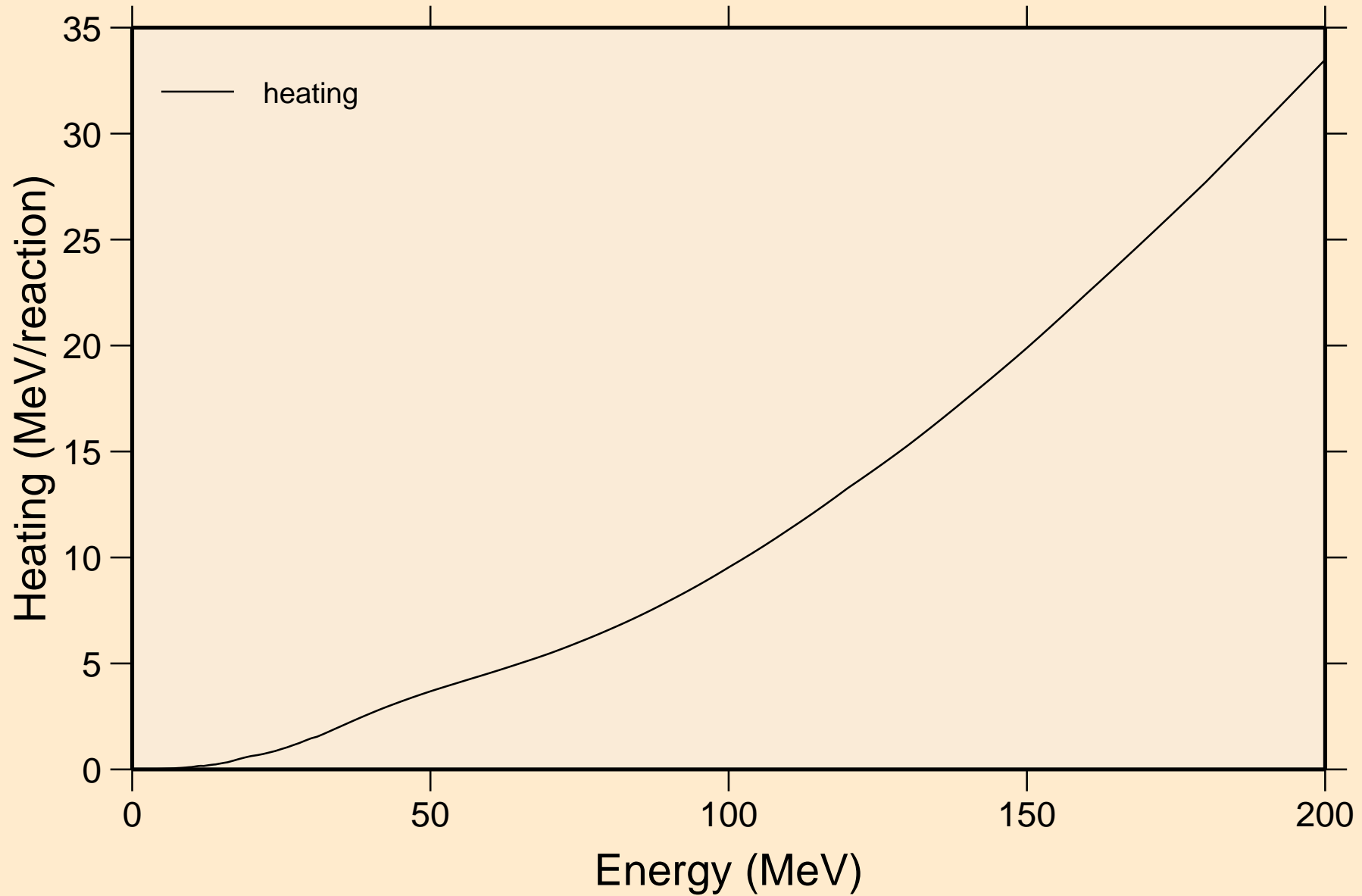
# IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



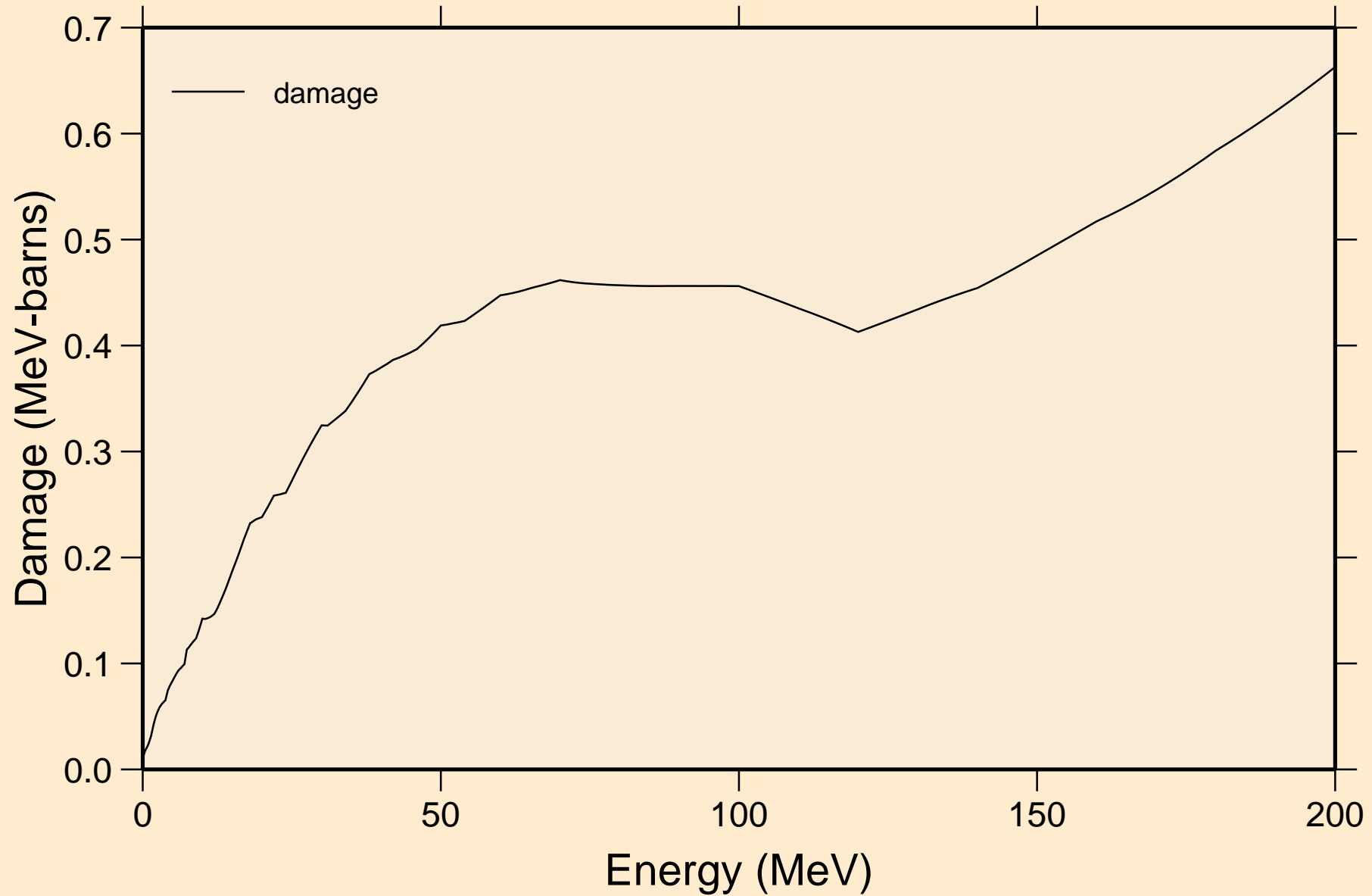
# IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Heating

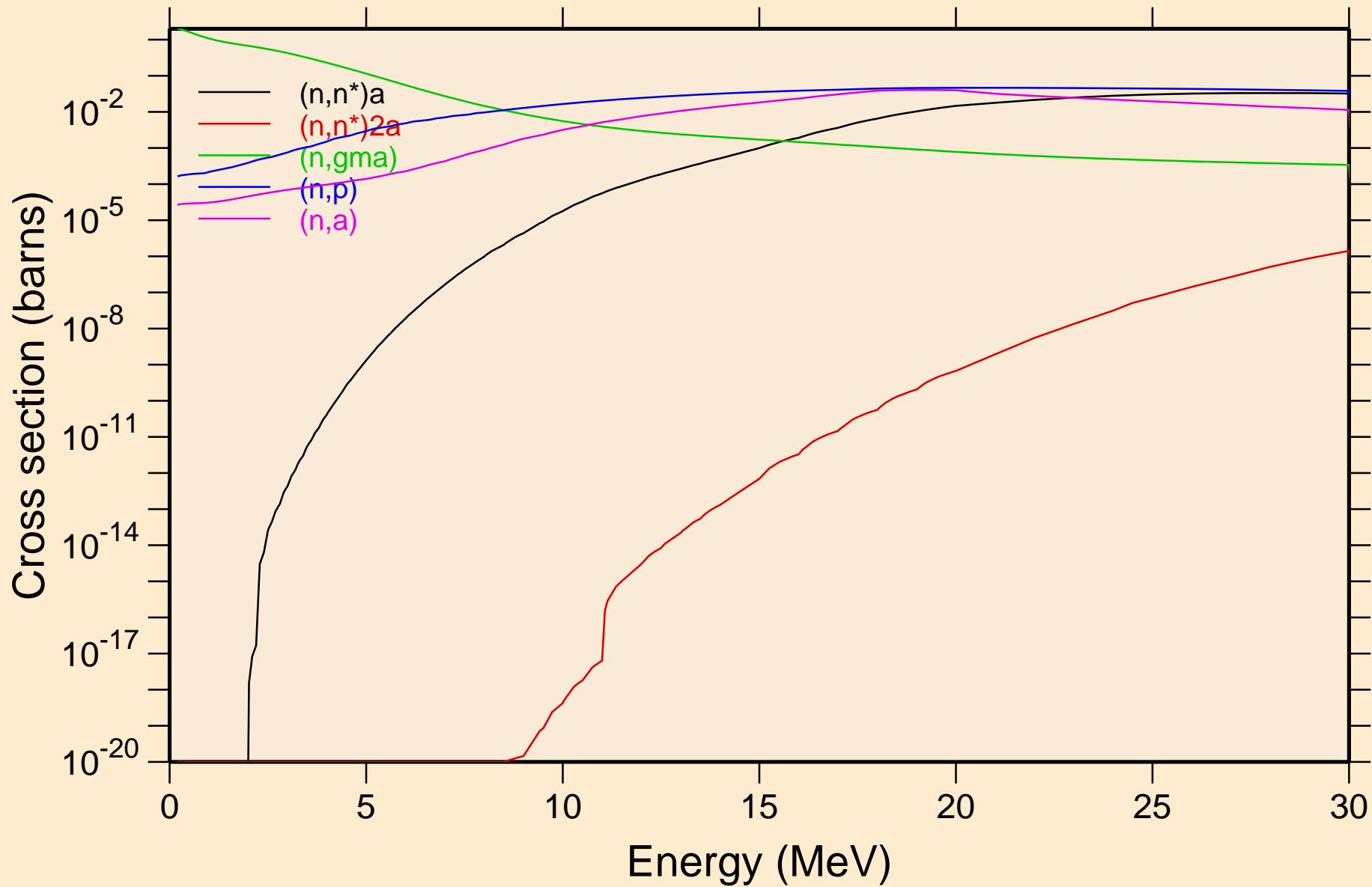


# IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

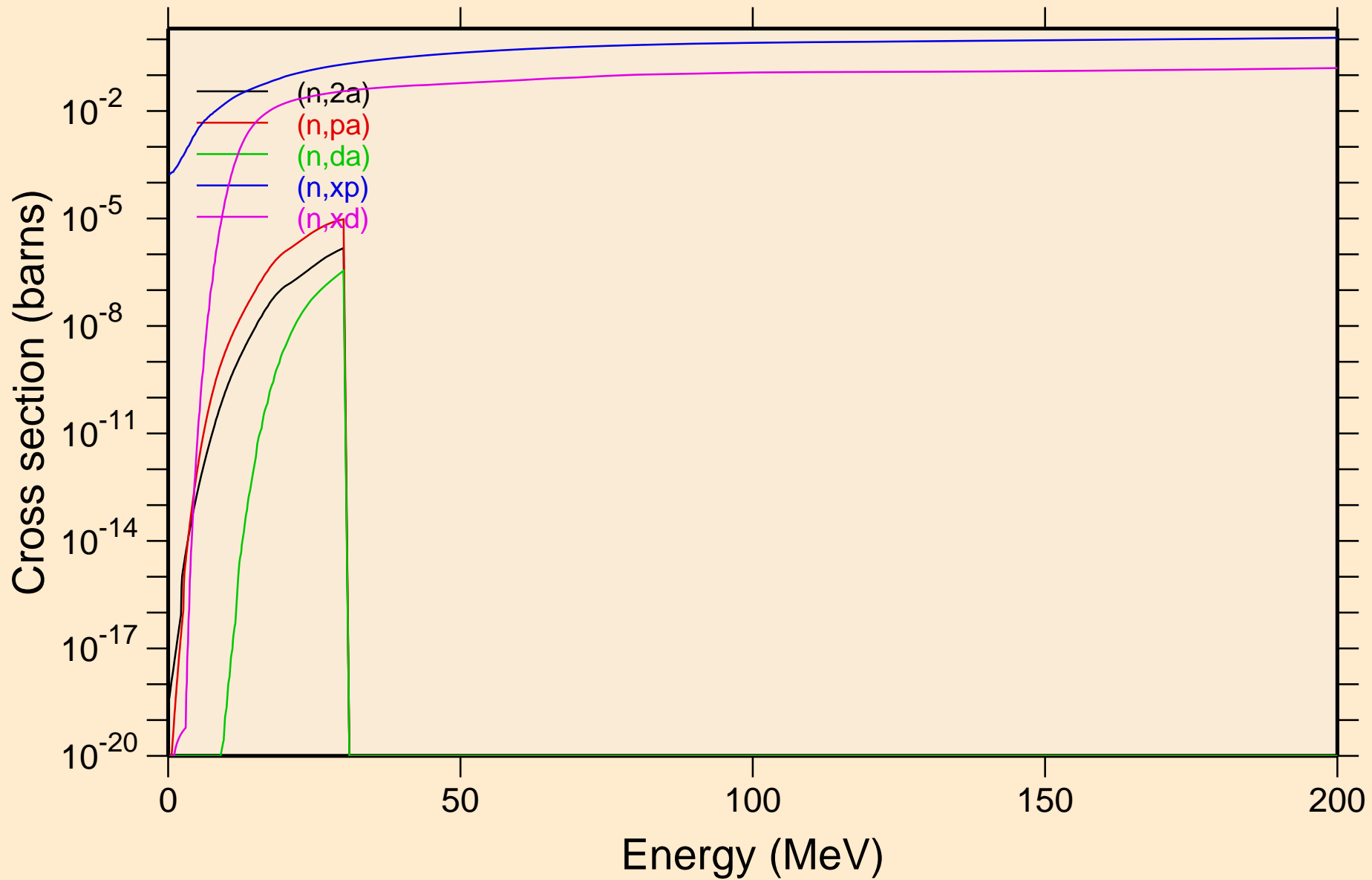
## Damage



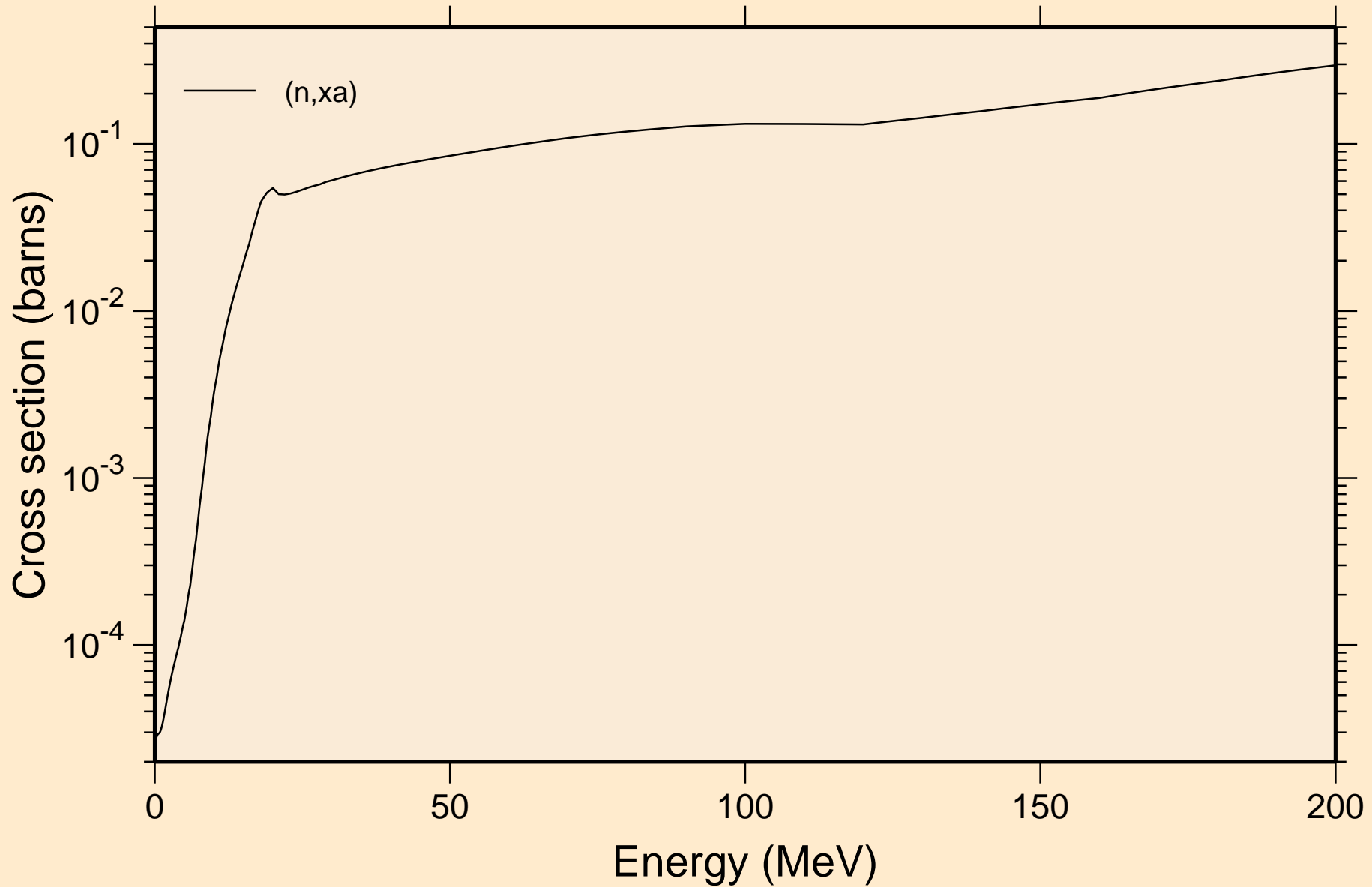
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



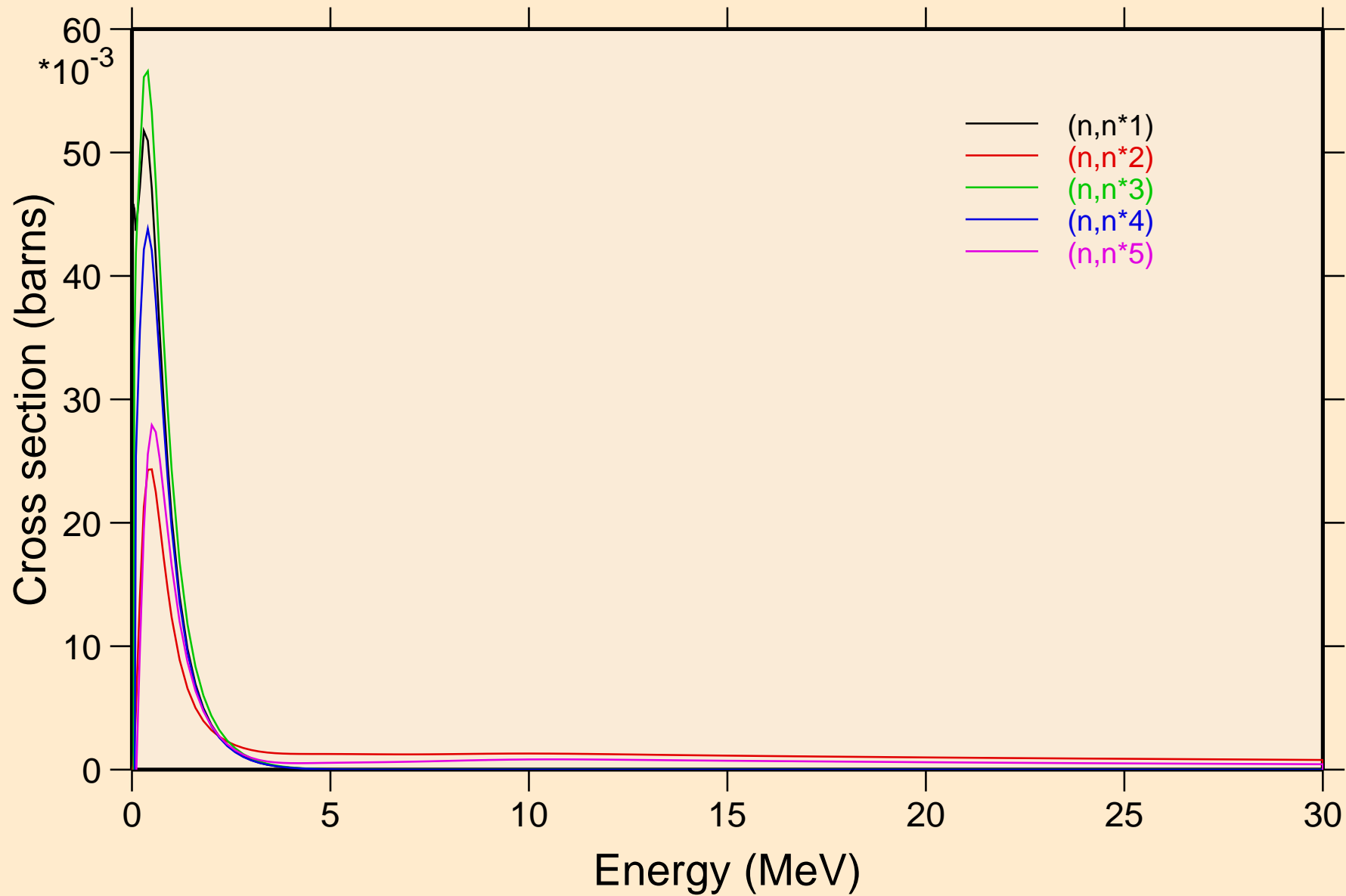
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



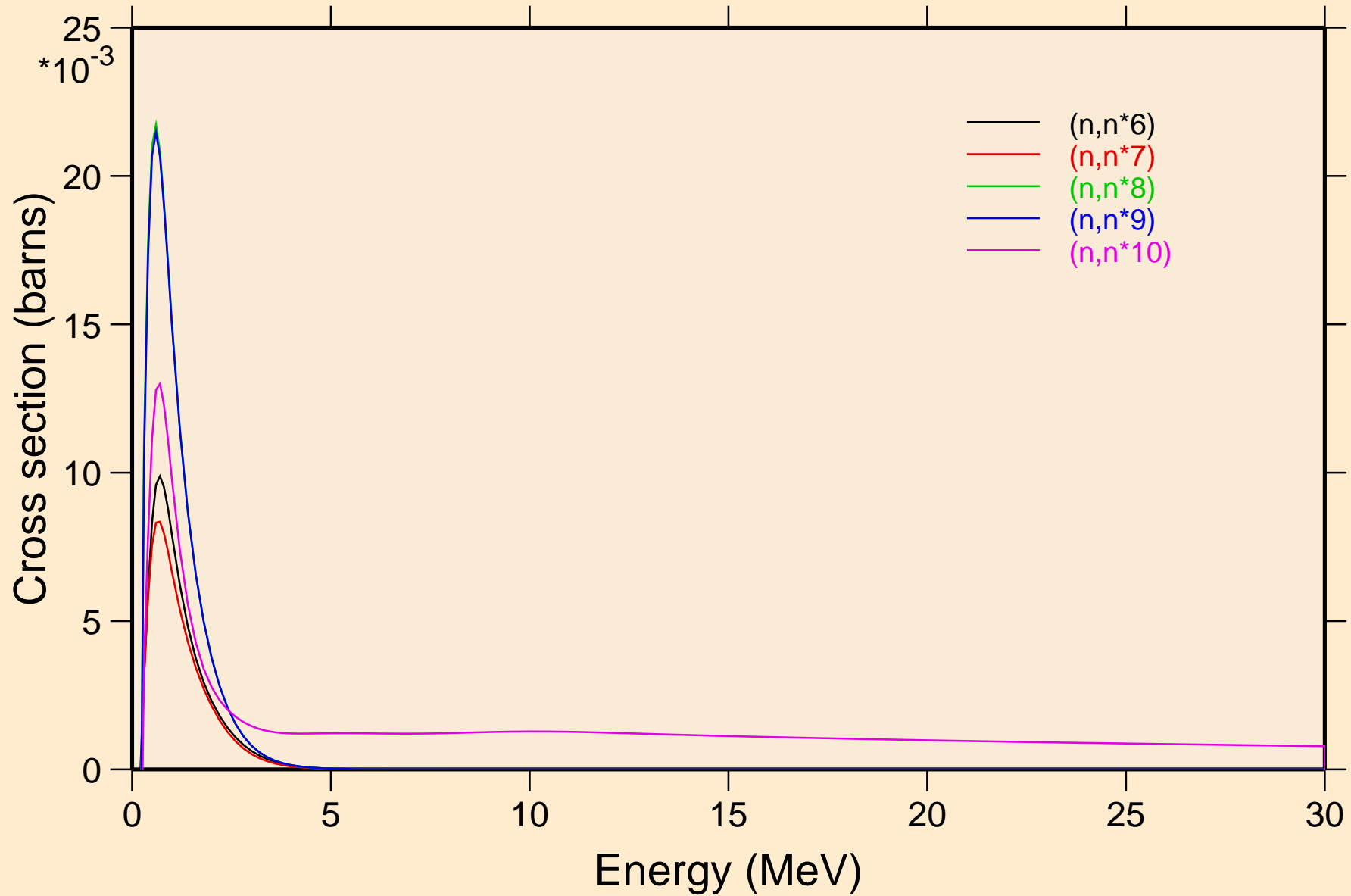
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



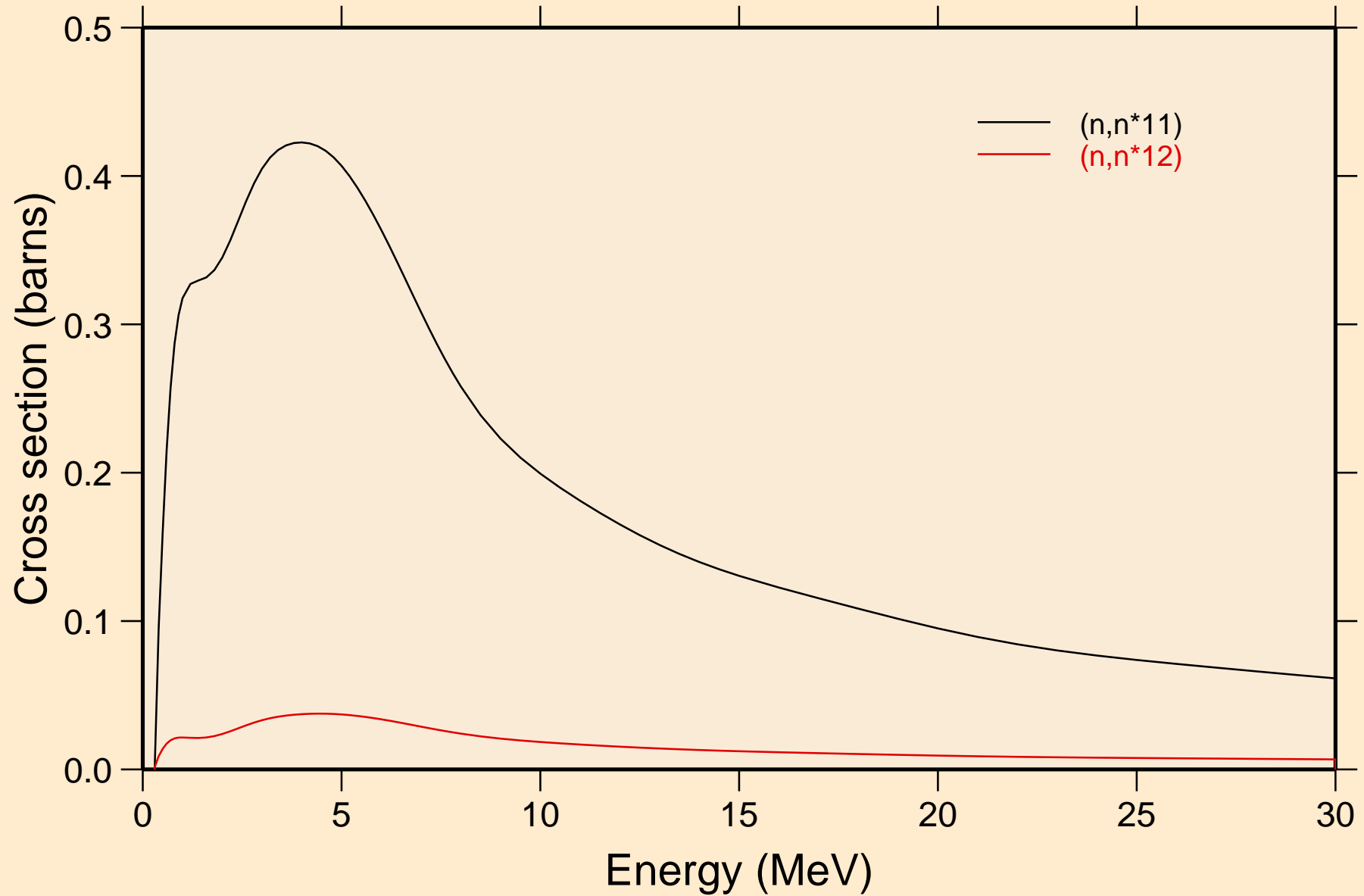
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



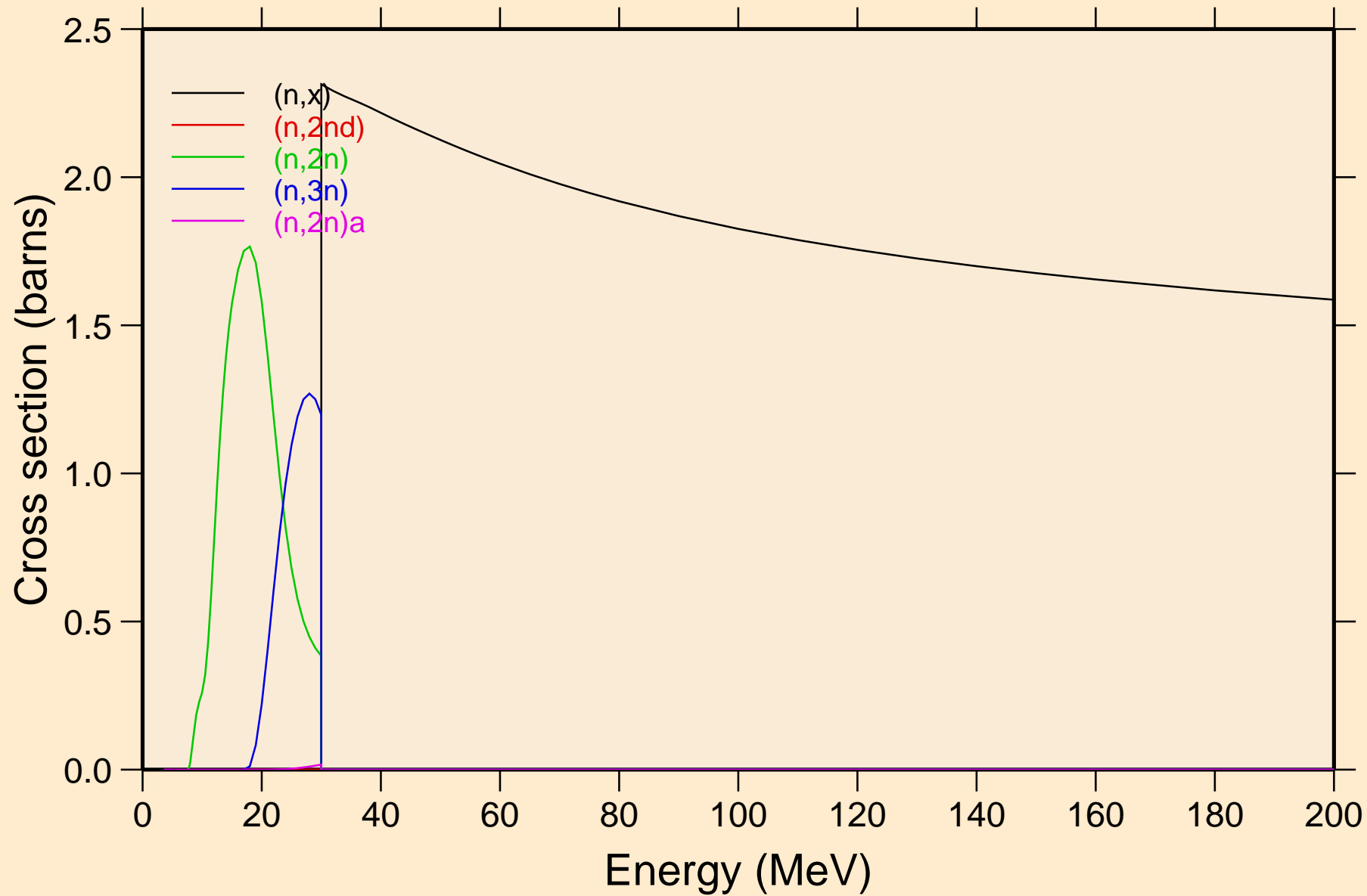
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

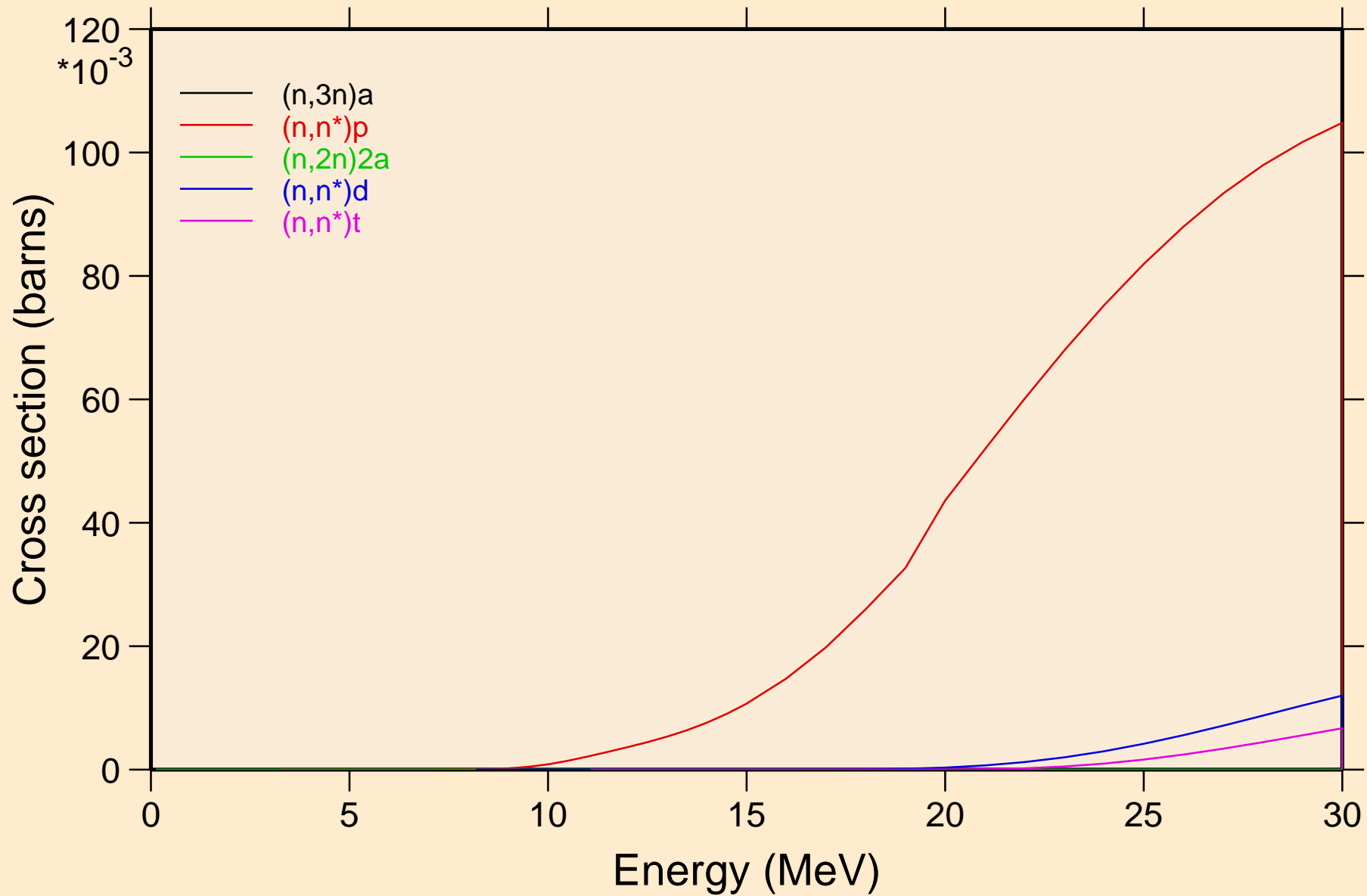


IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

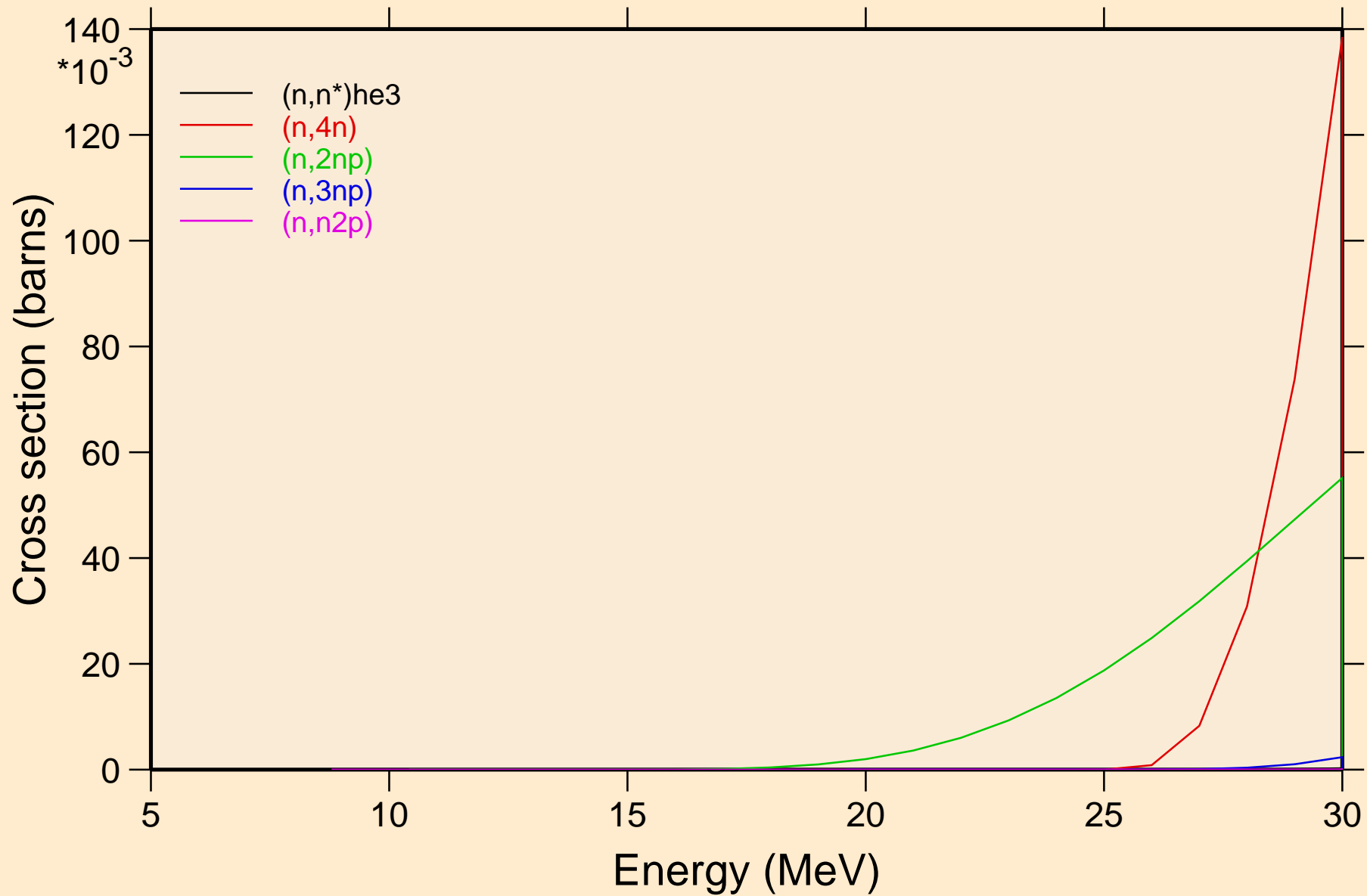


# IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions

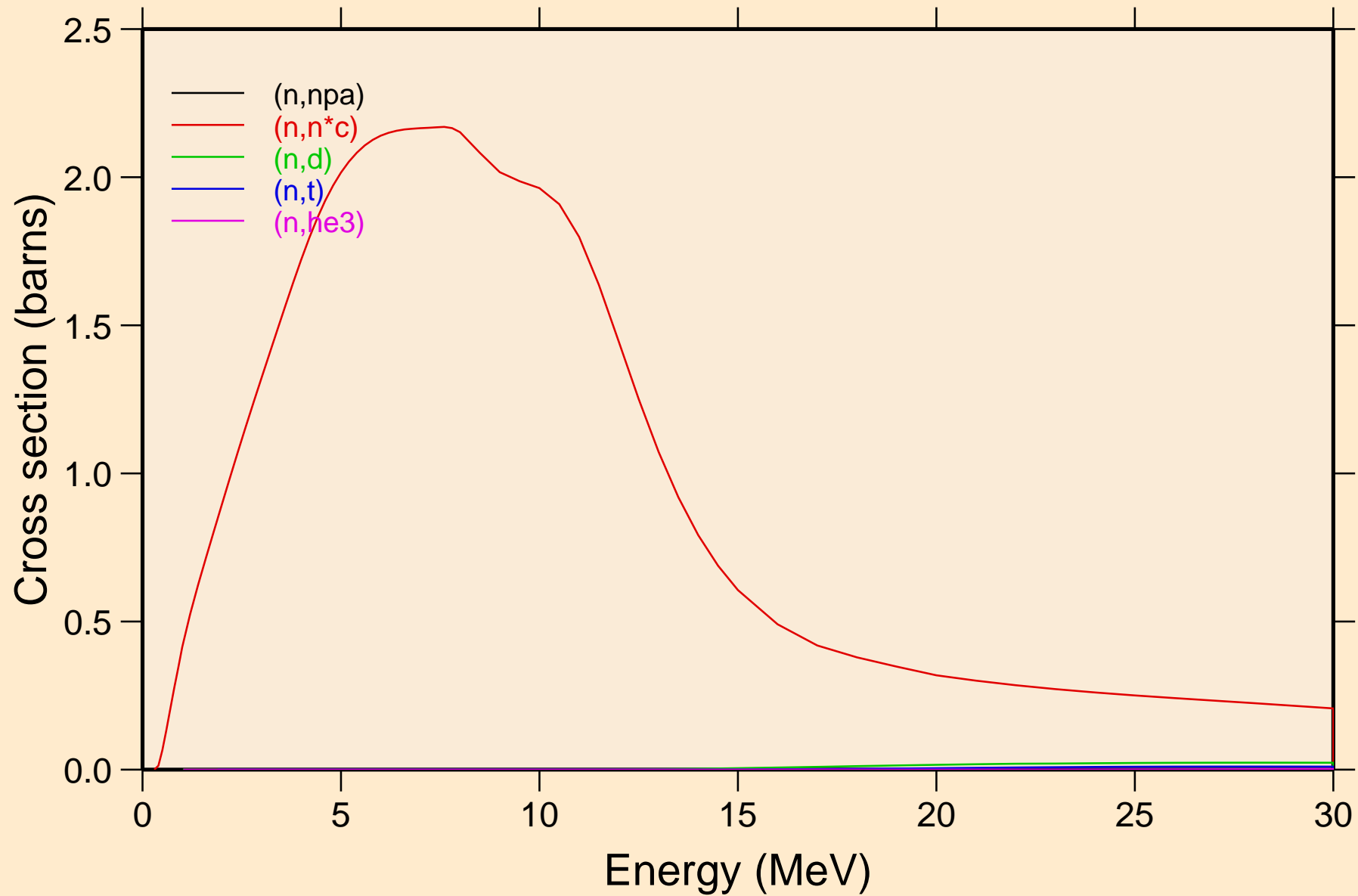


IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



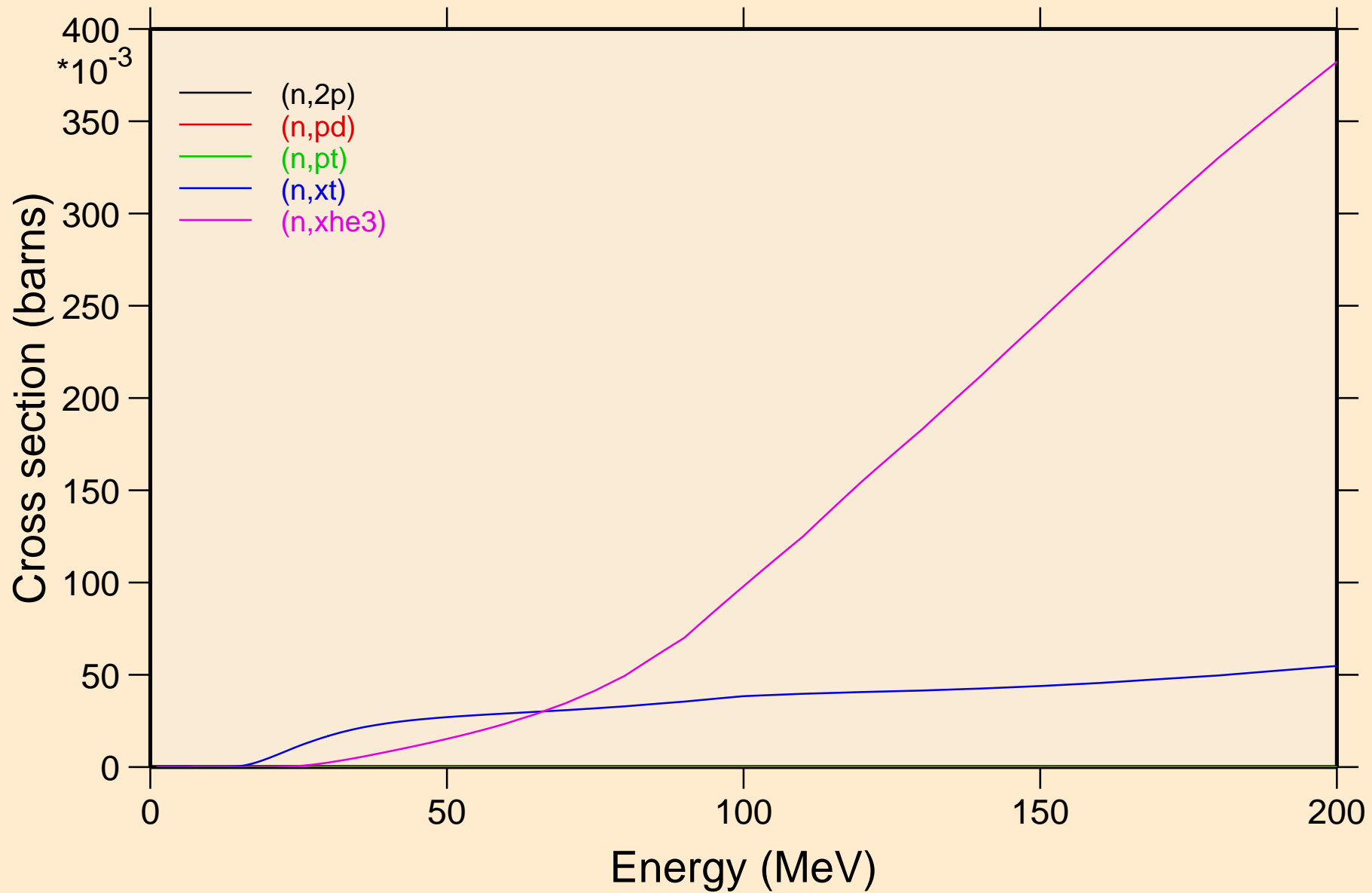
# IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions

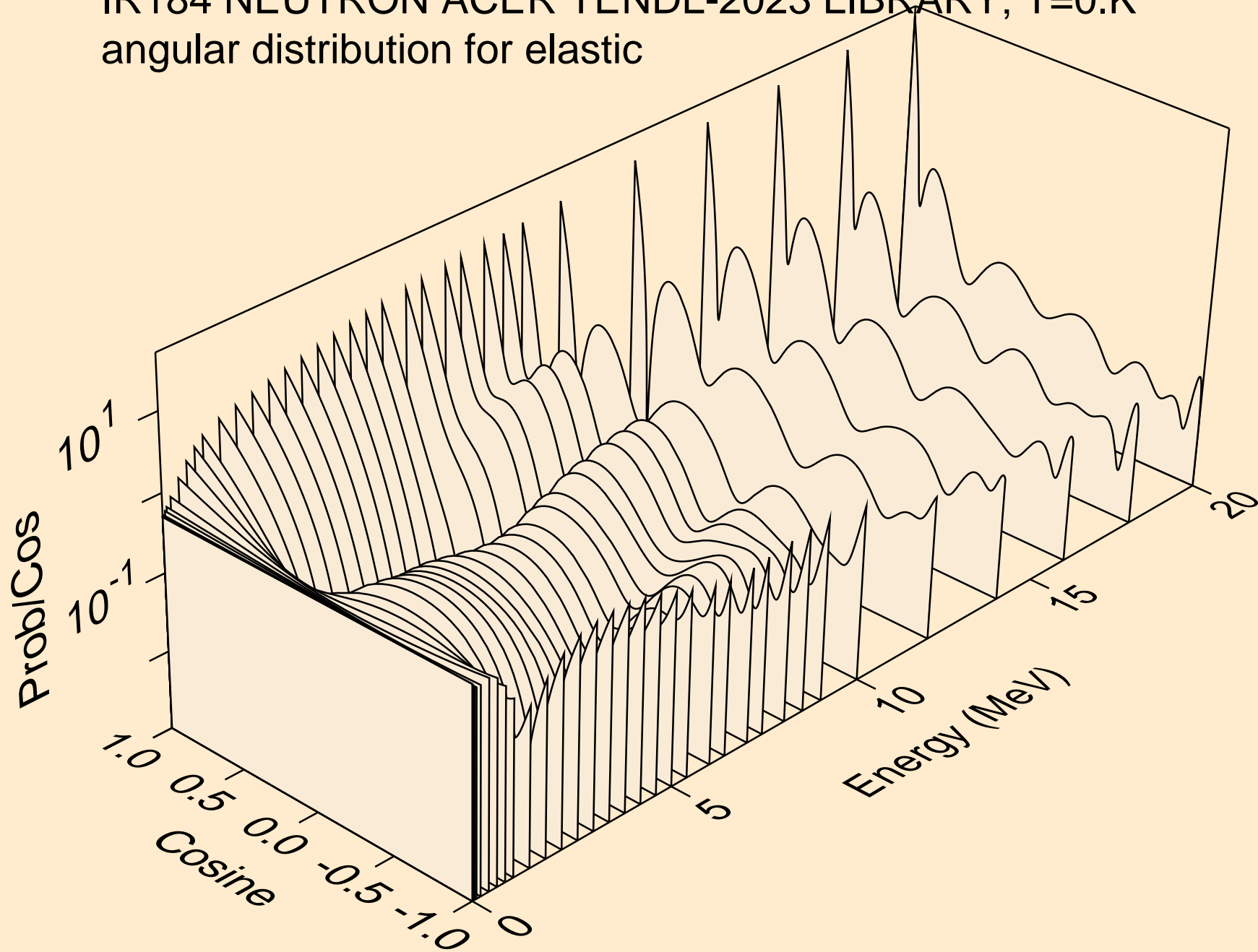


# IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

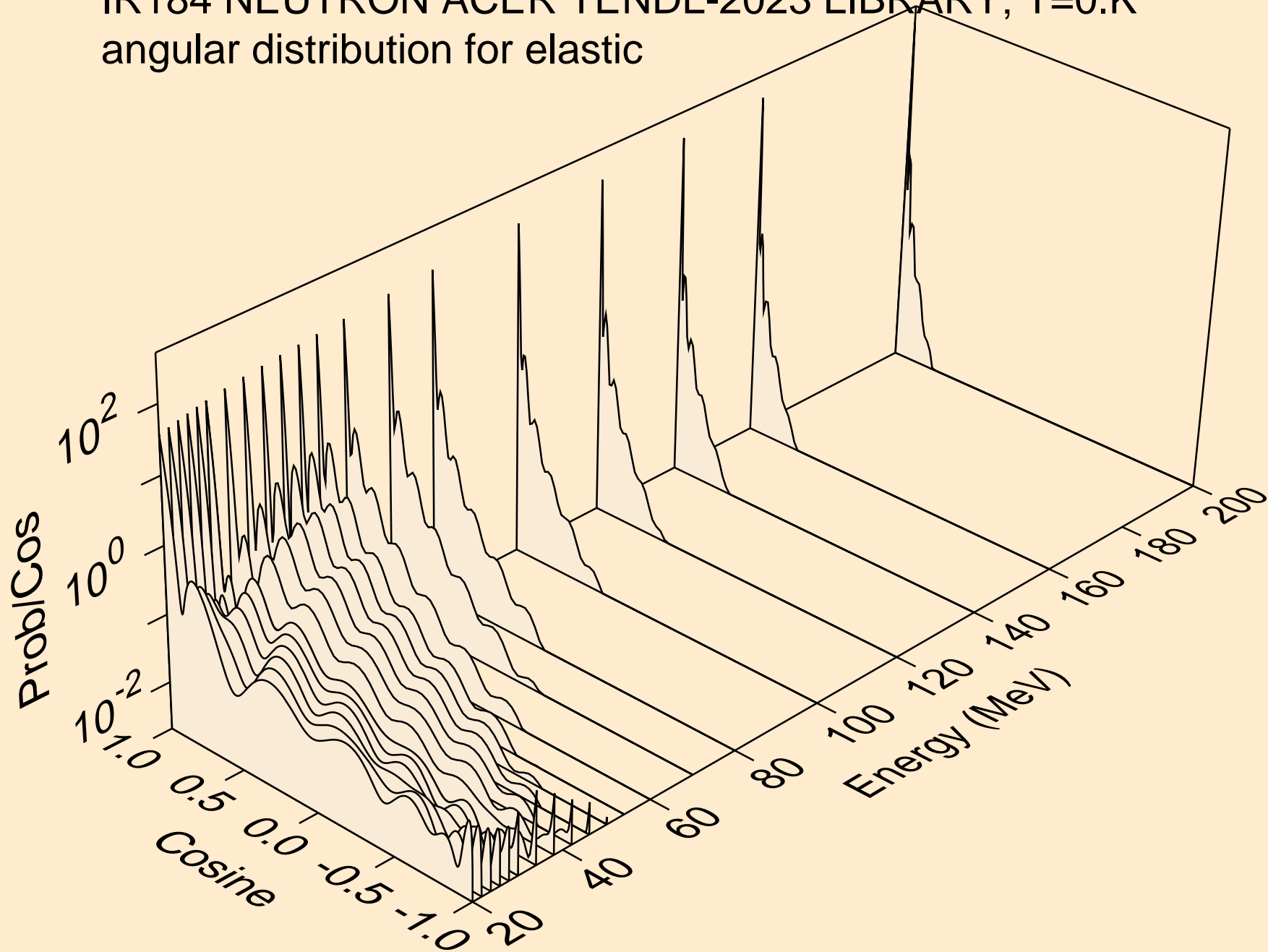
## Threshold reactions



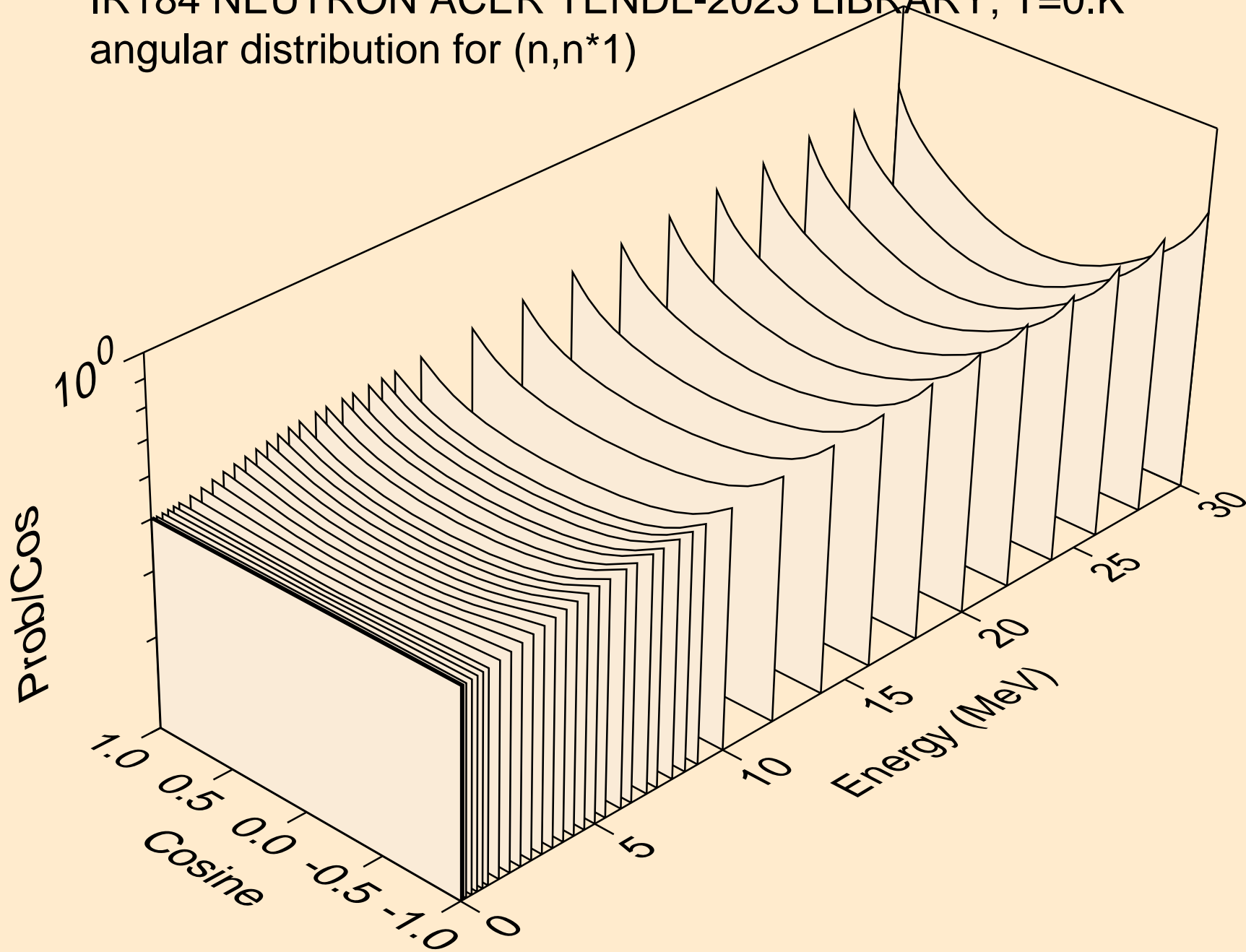
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



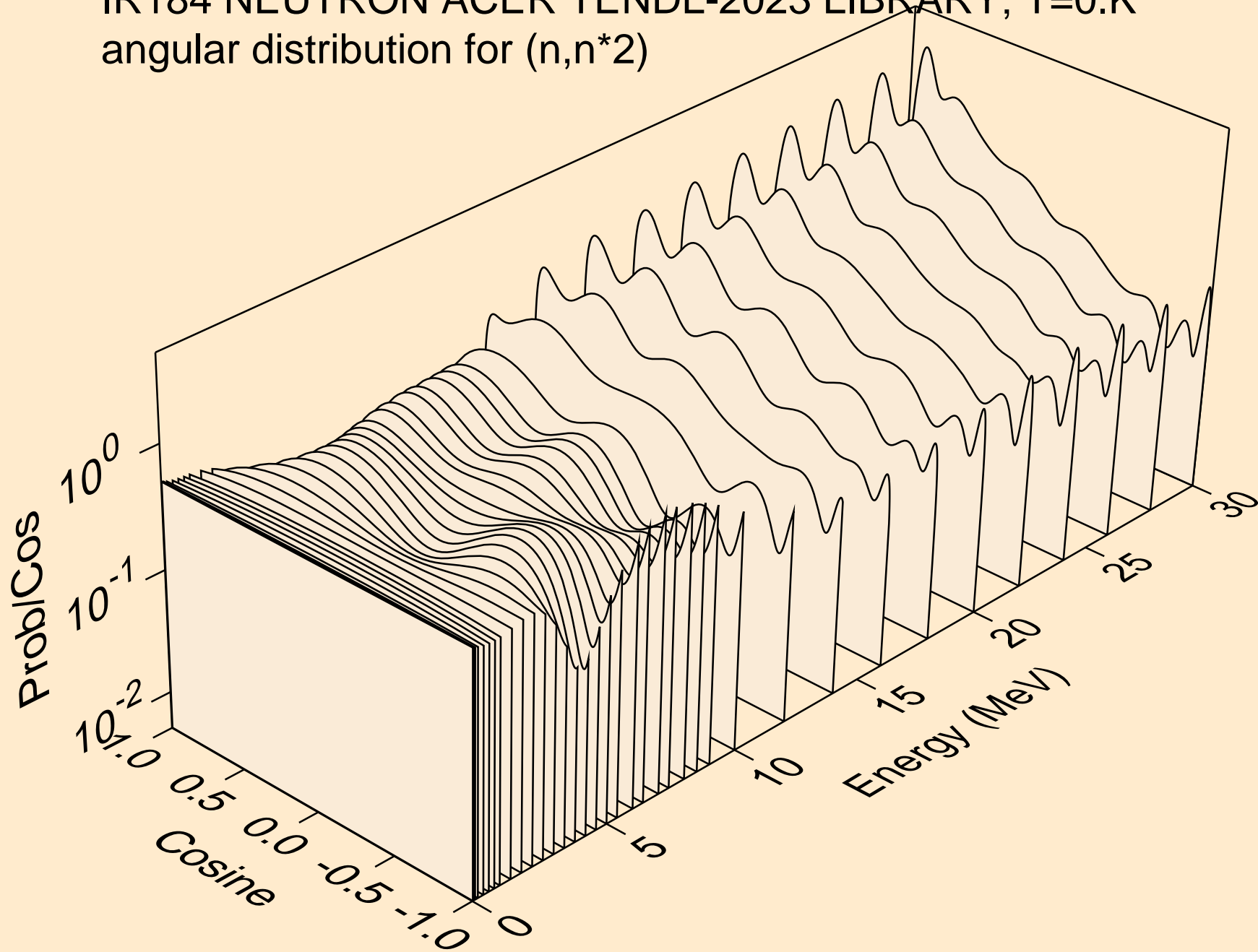
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



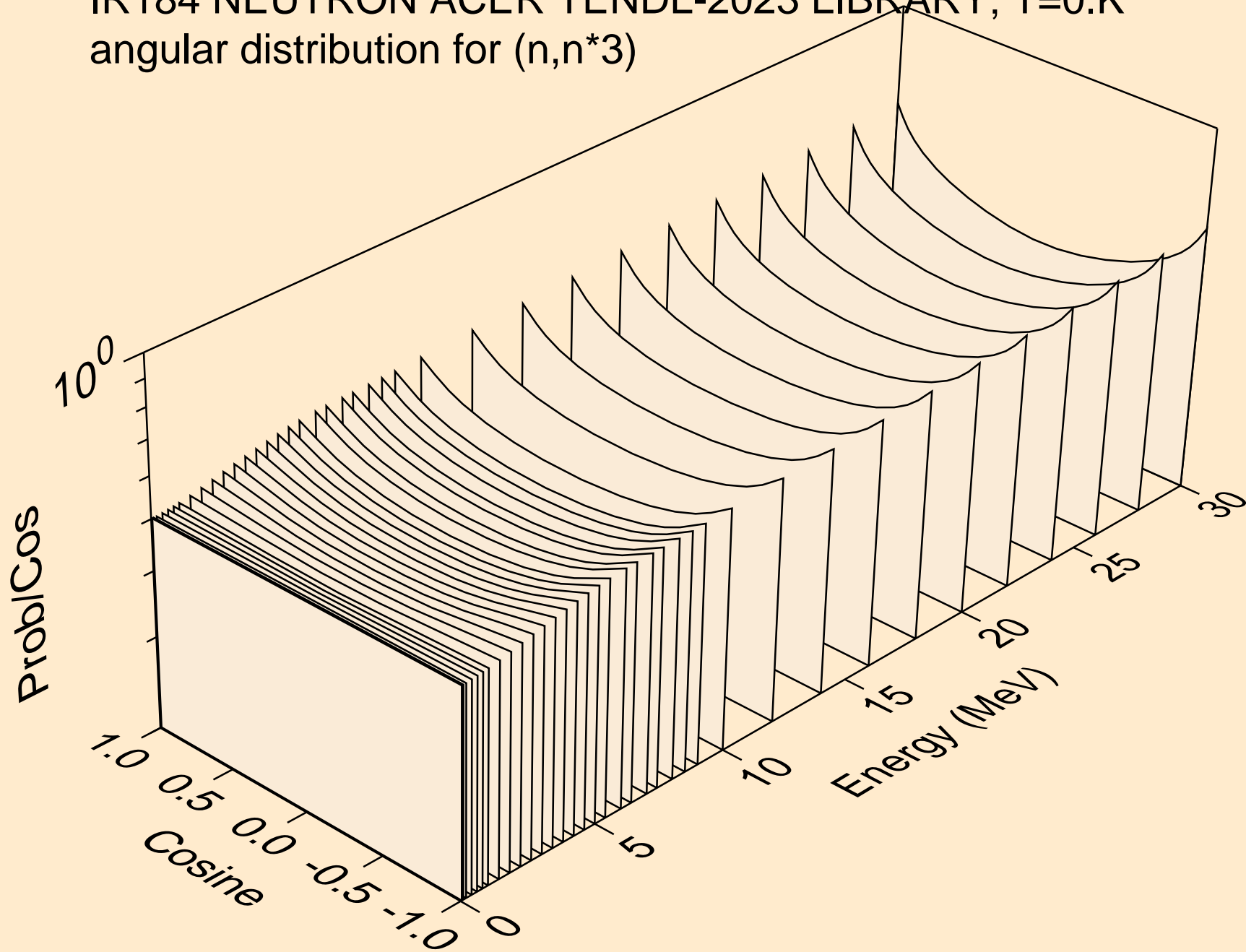
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



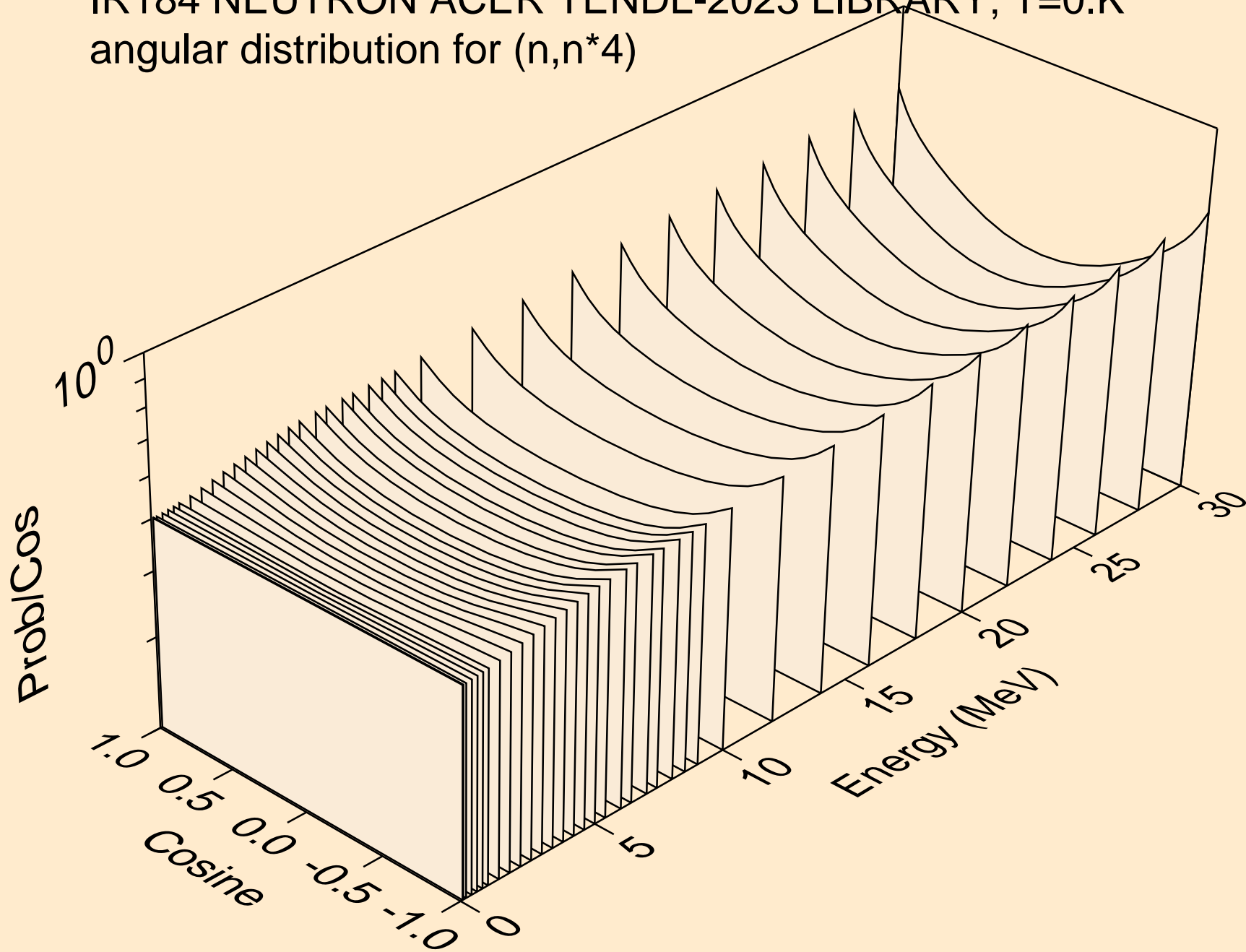
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*2)



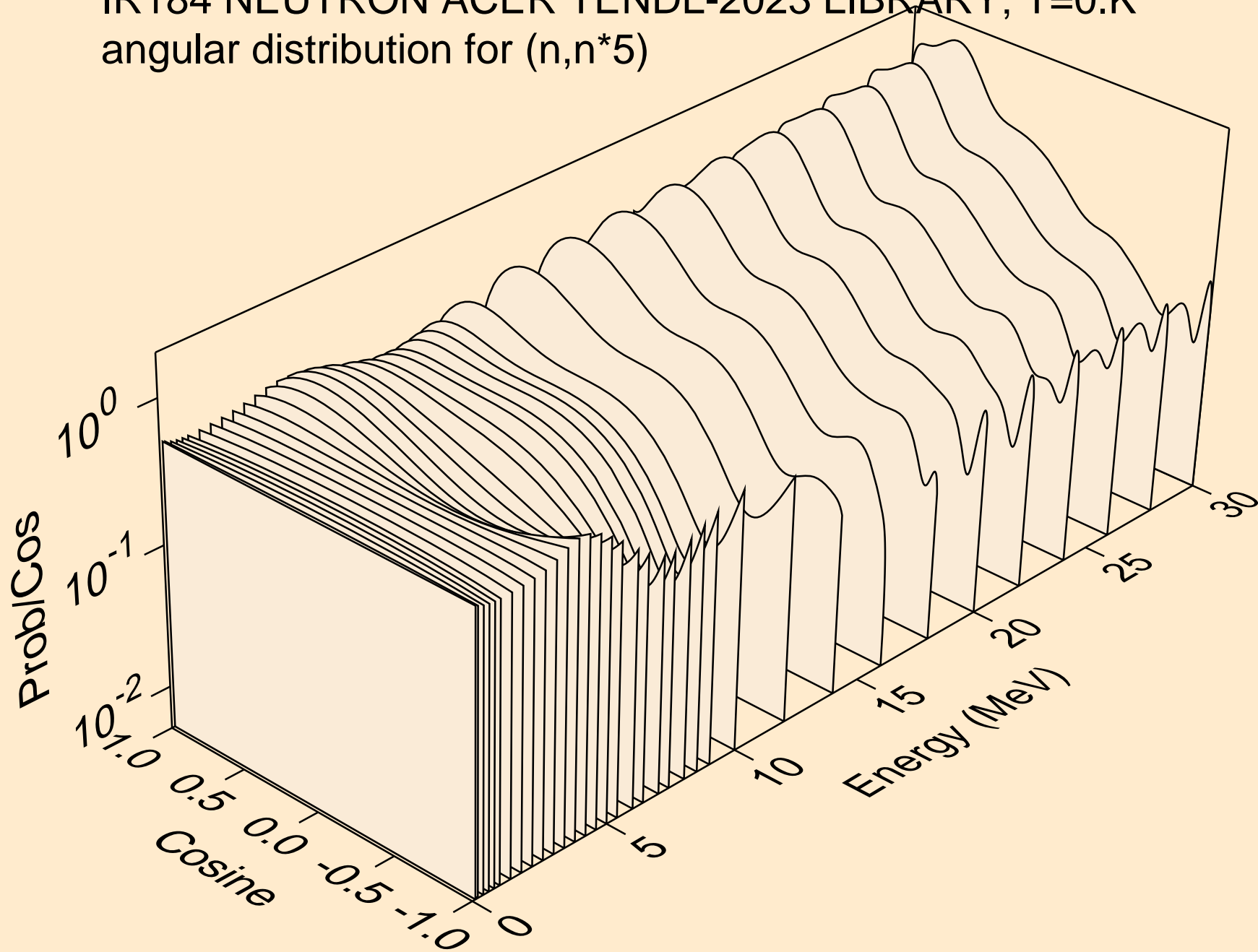
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*3)



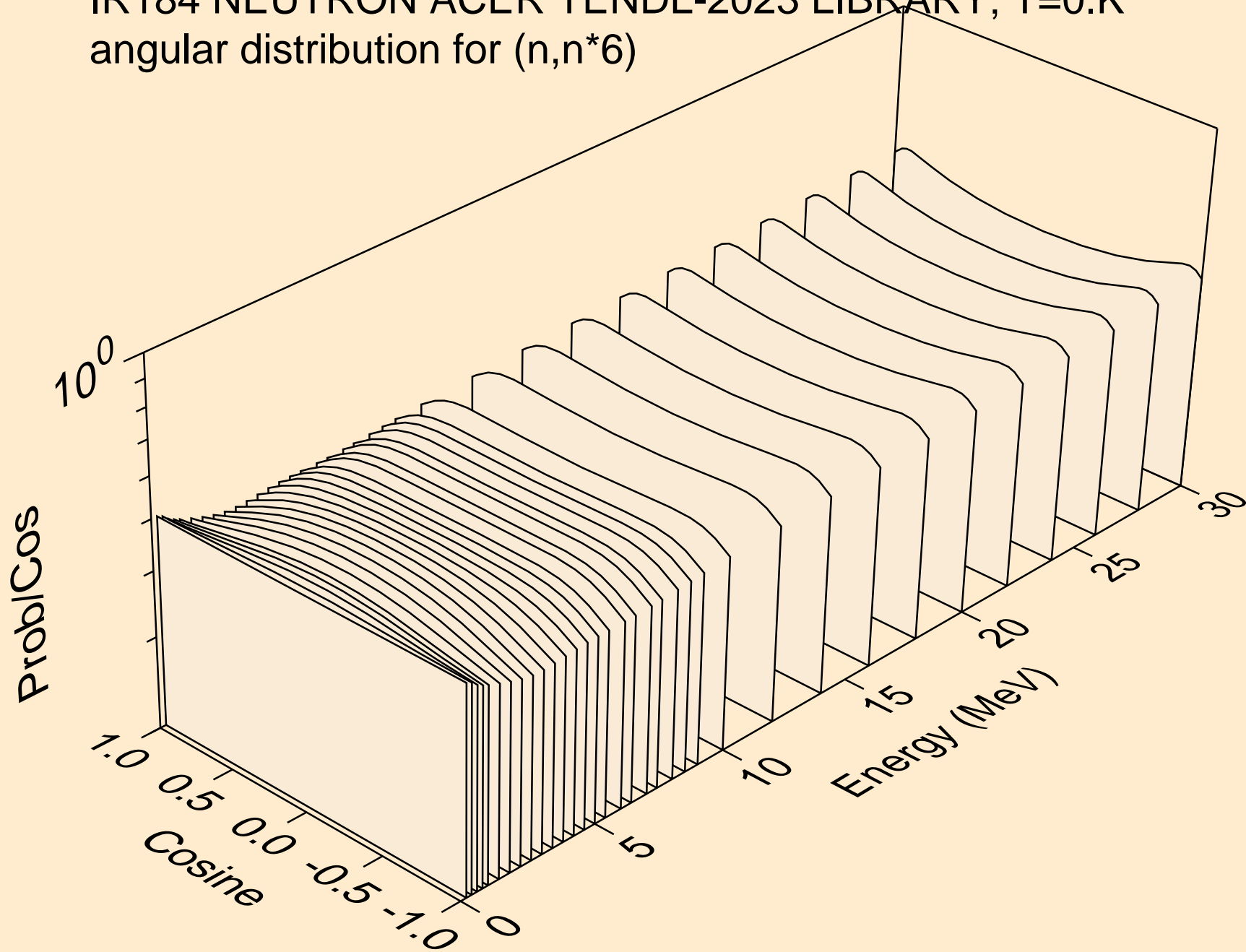
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*4)



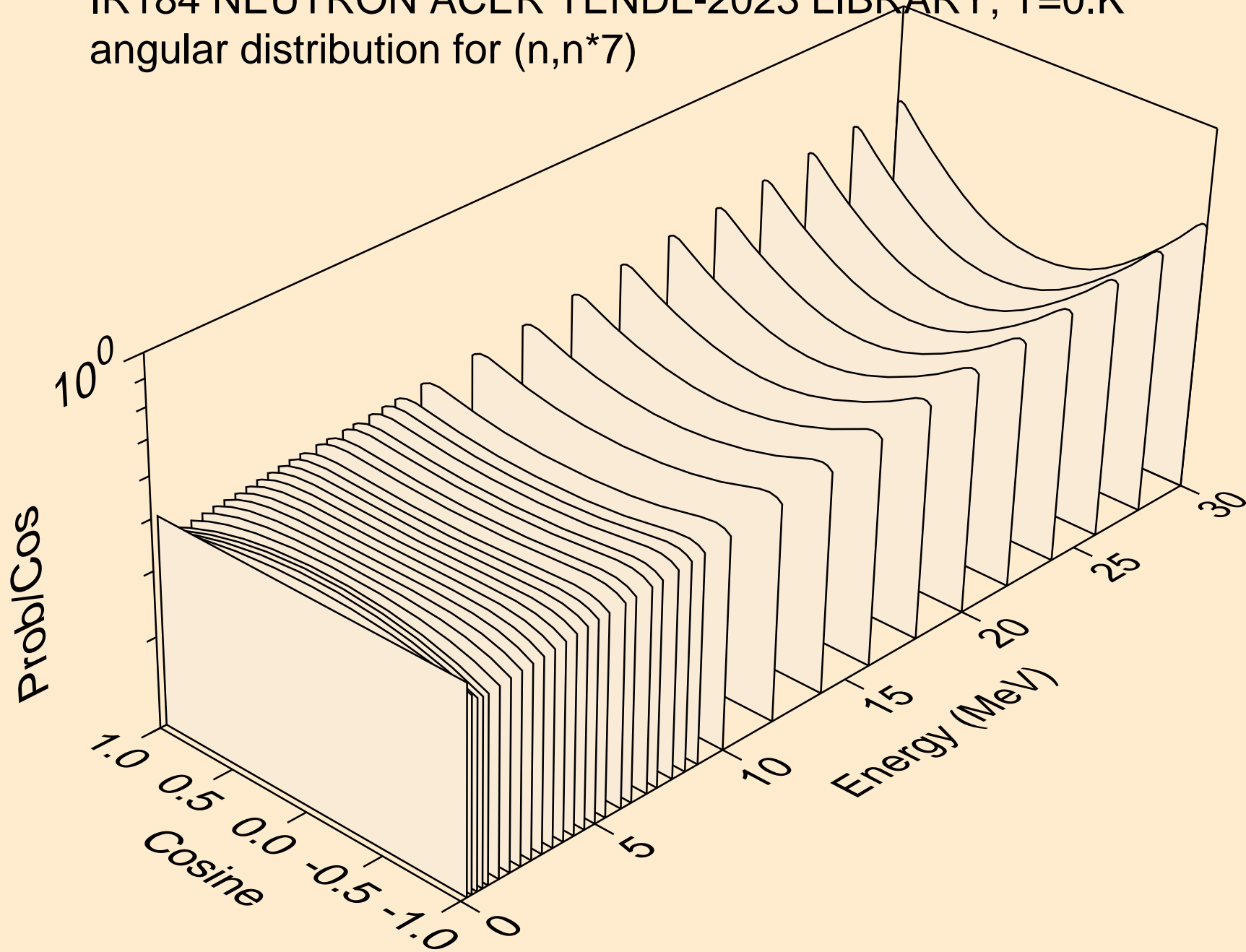
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*5)



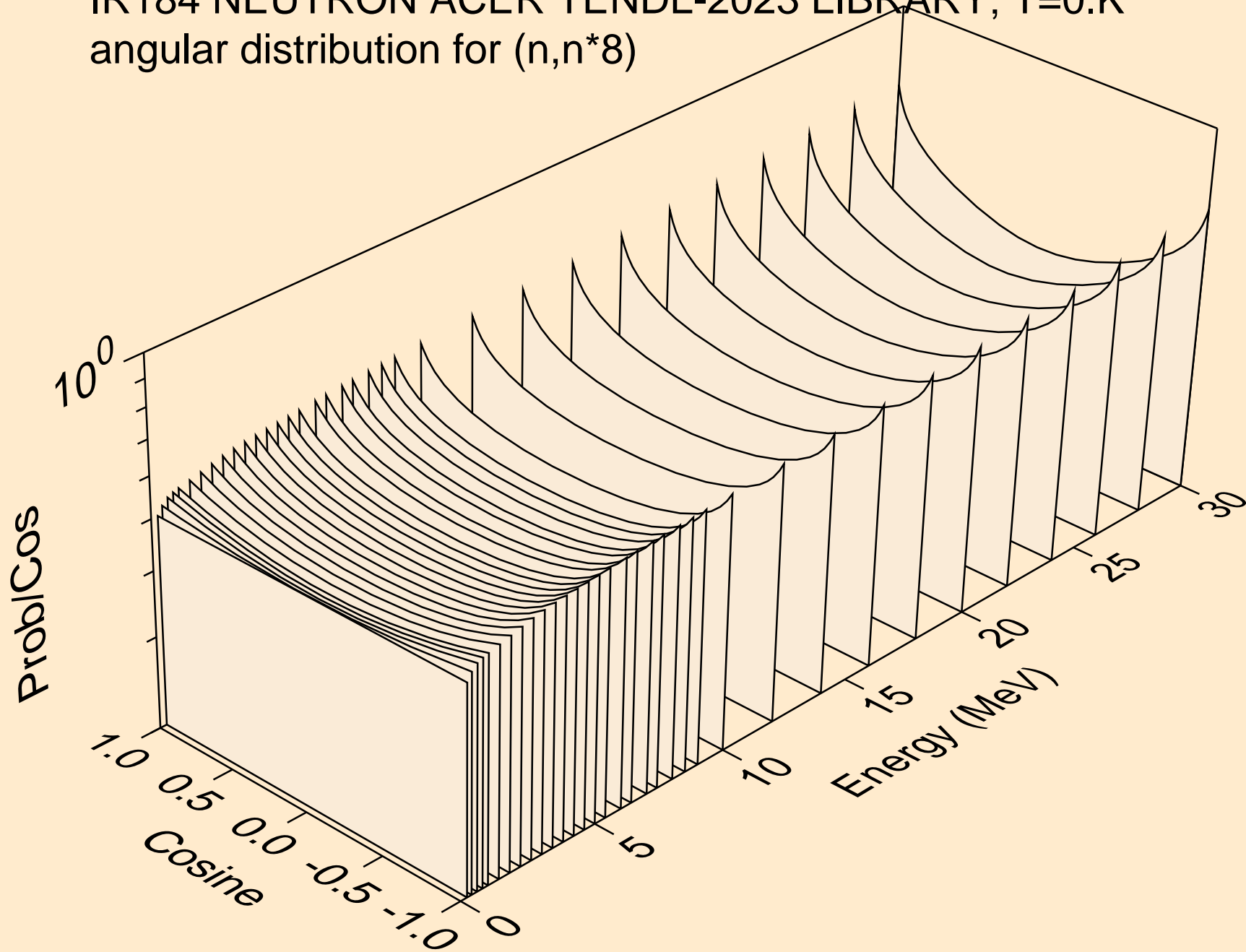
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*6)



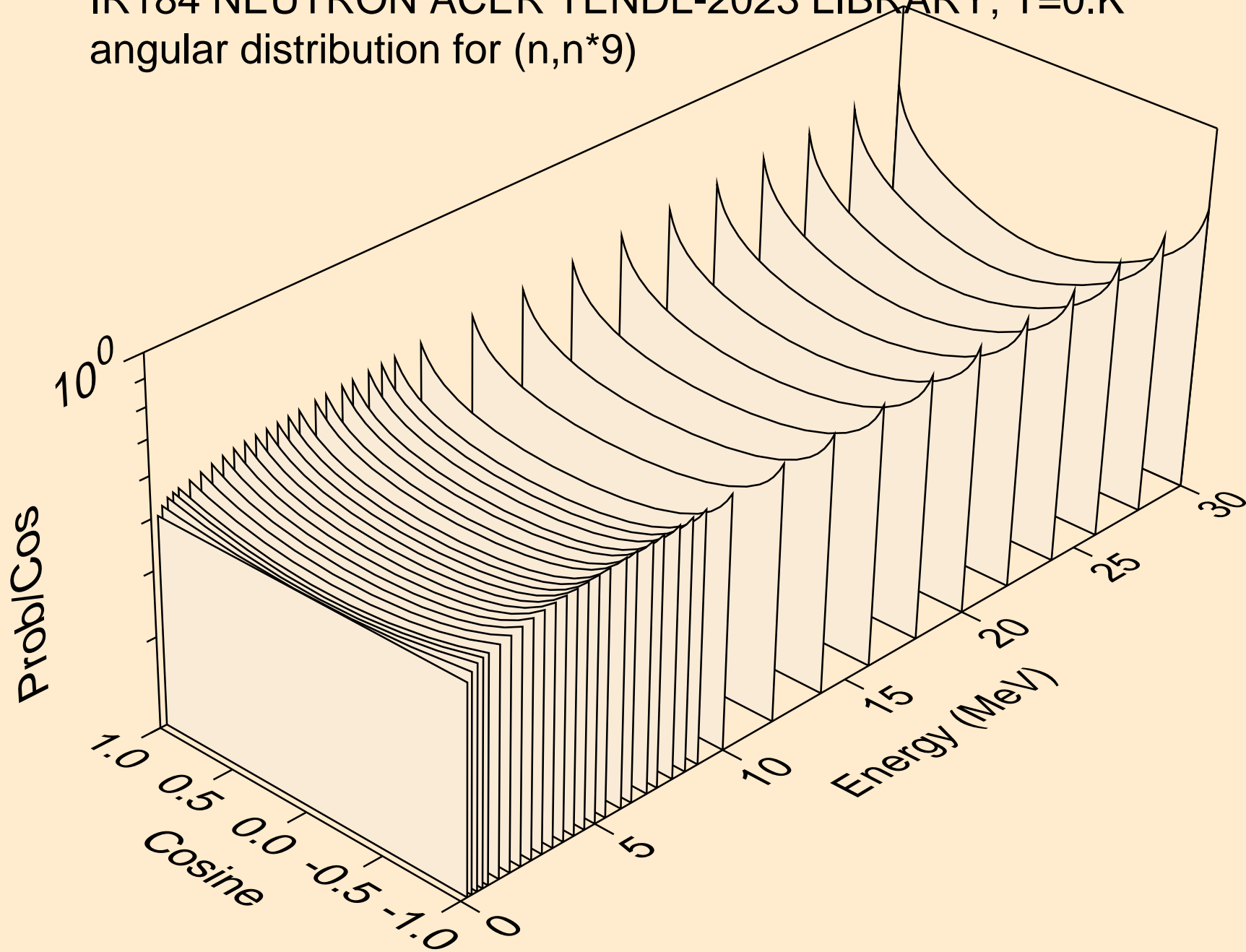
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*7)



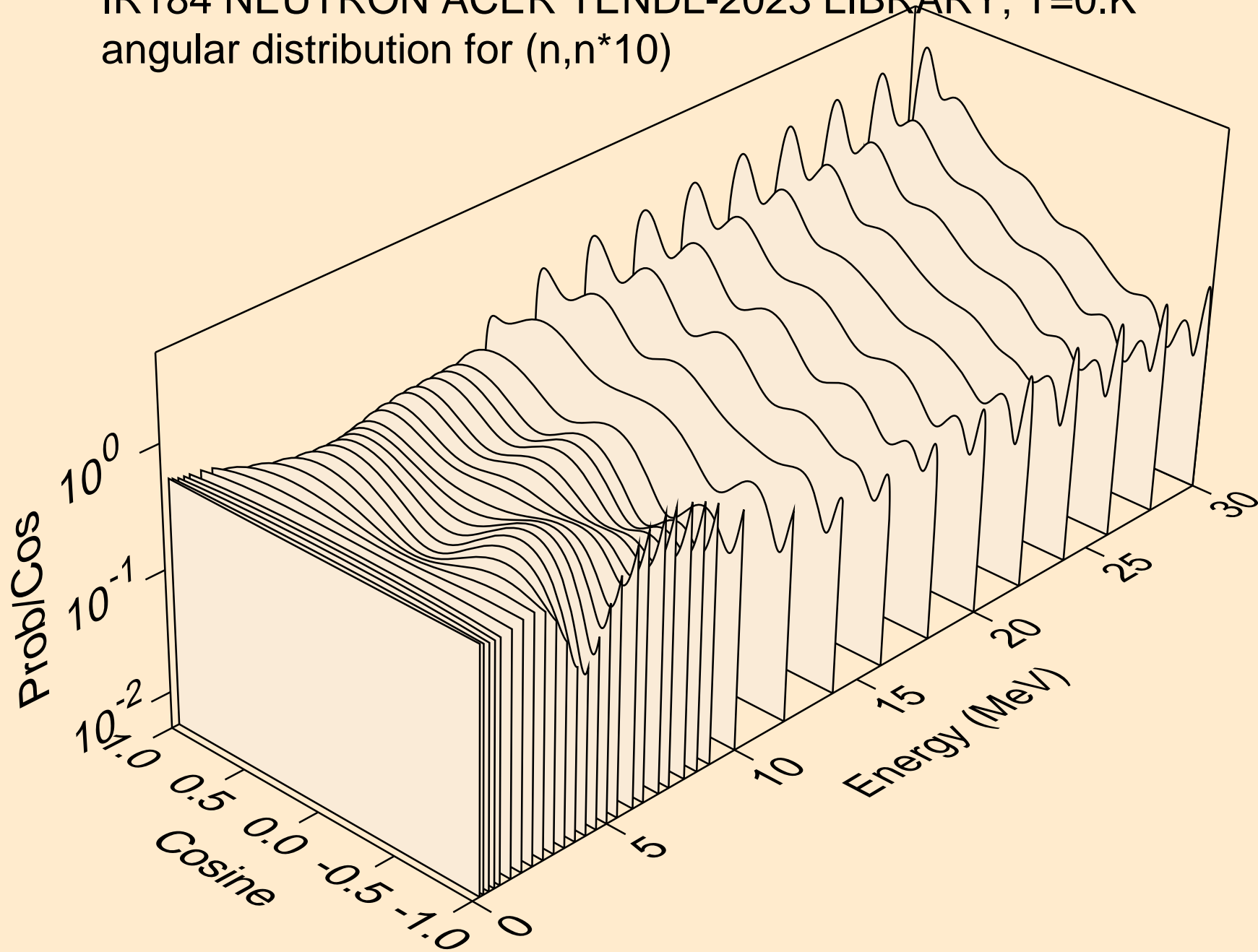
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*8)



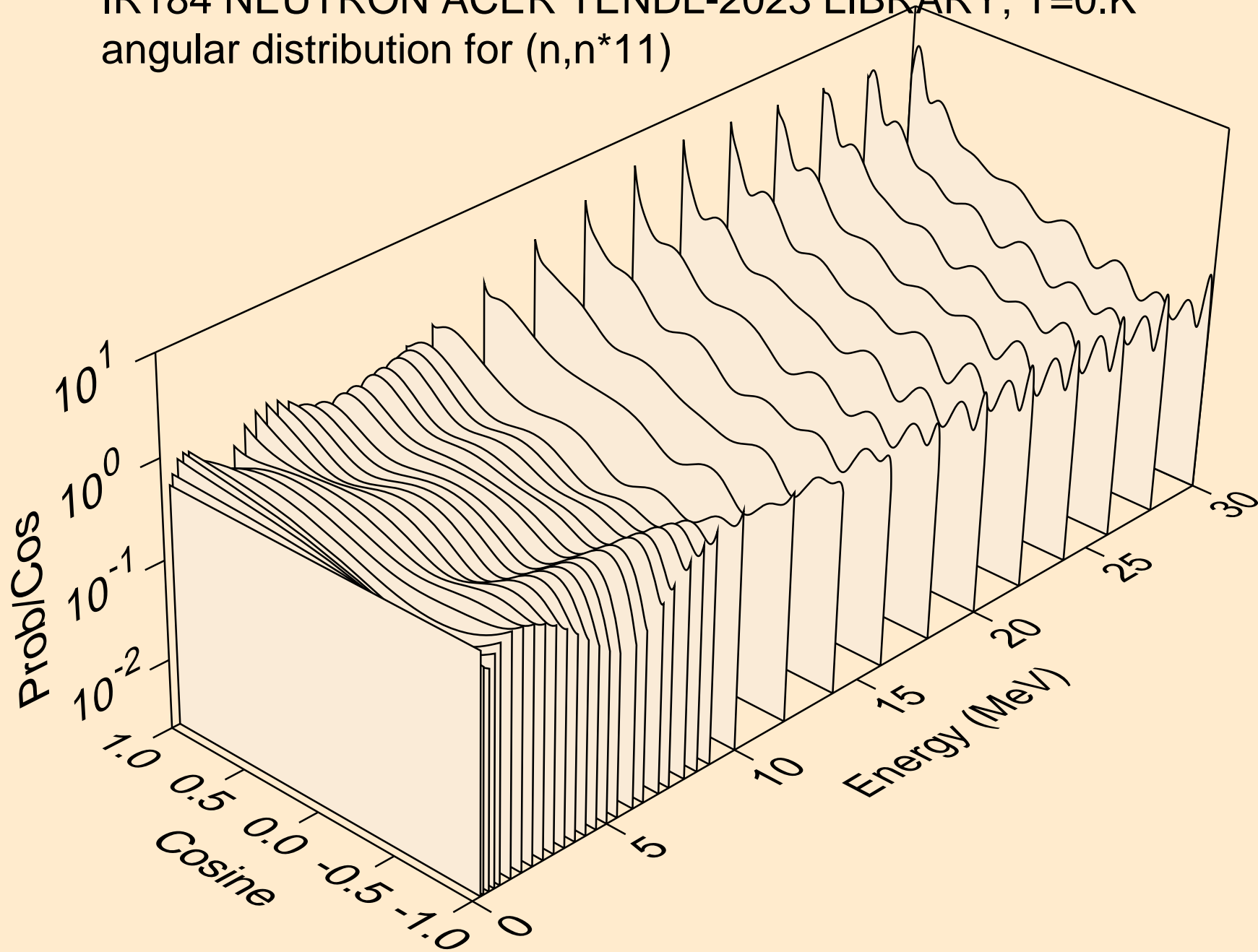
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*9)



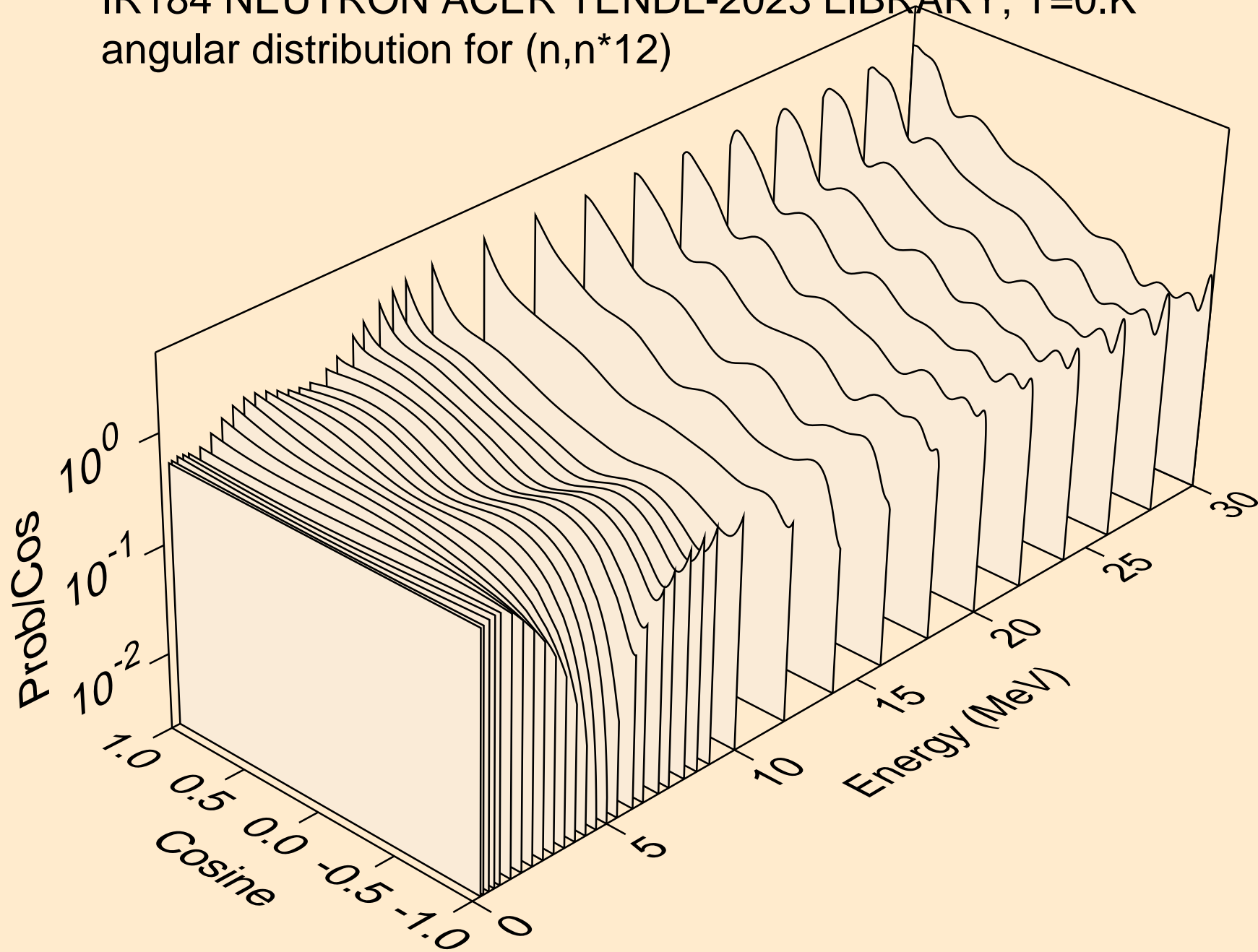
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*10)



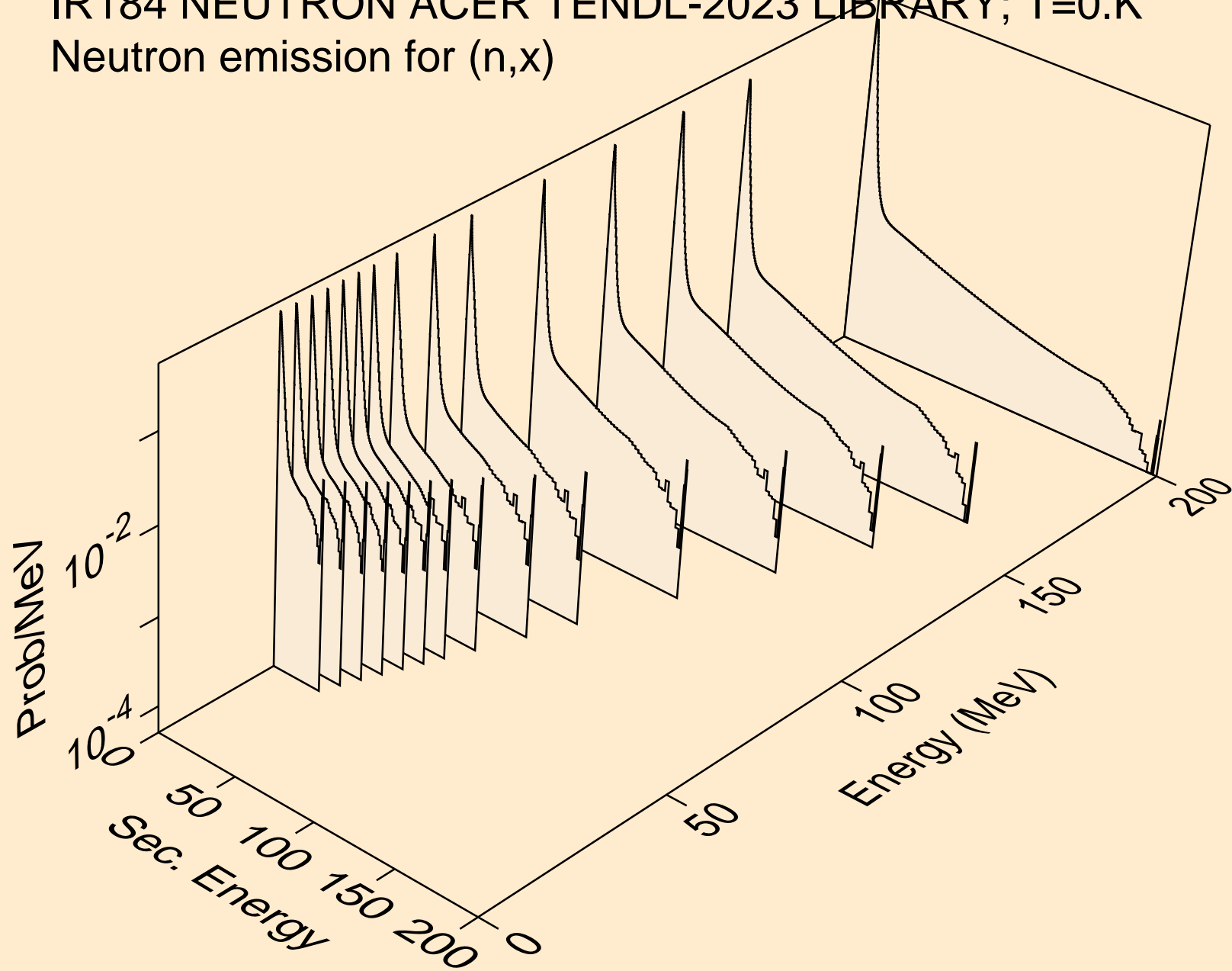
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*11)



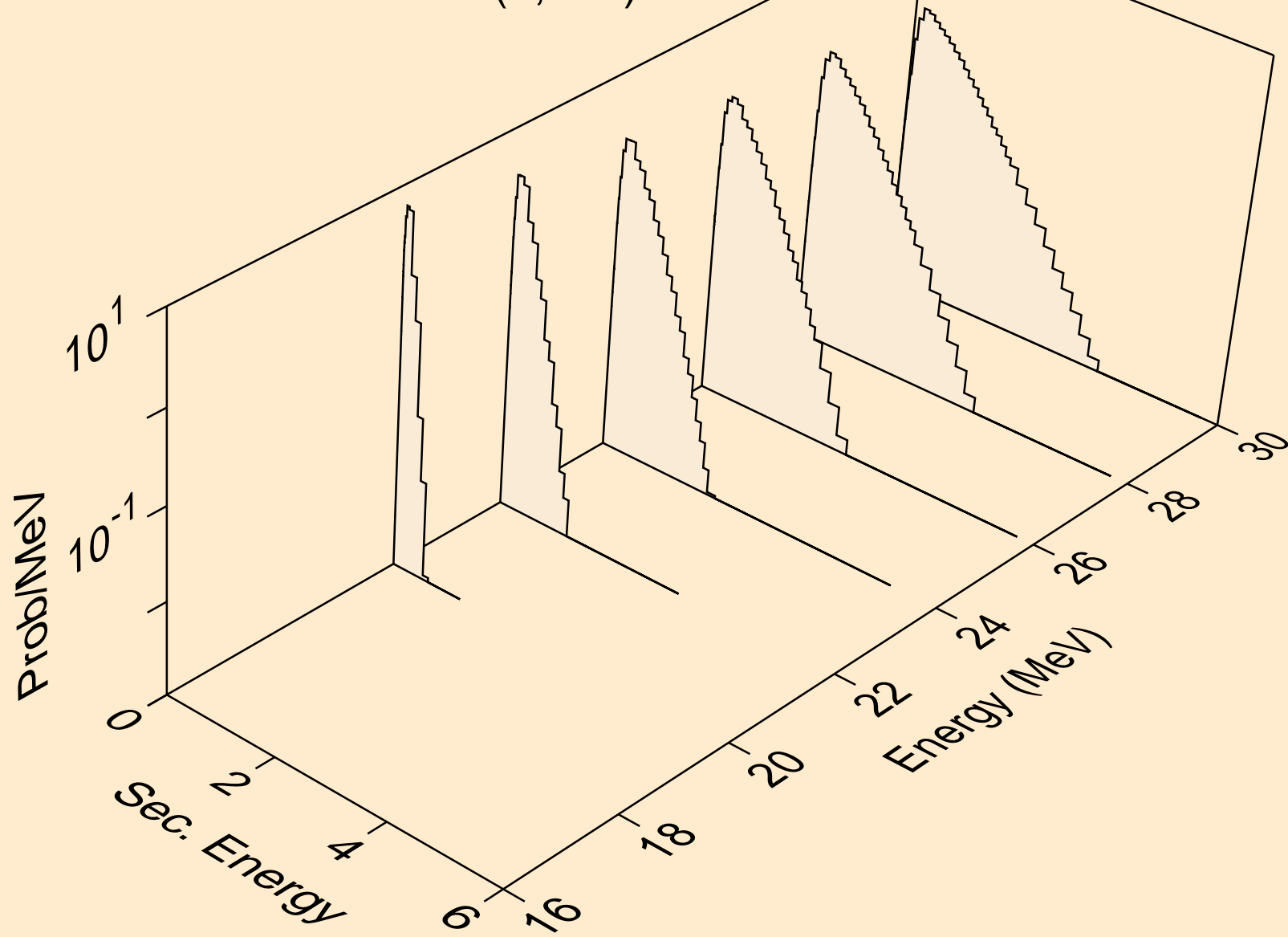
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*12)



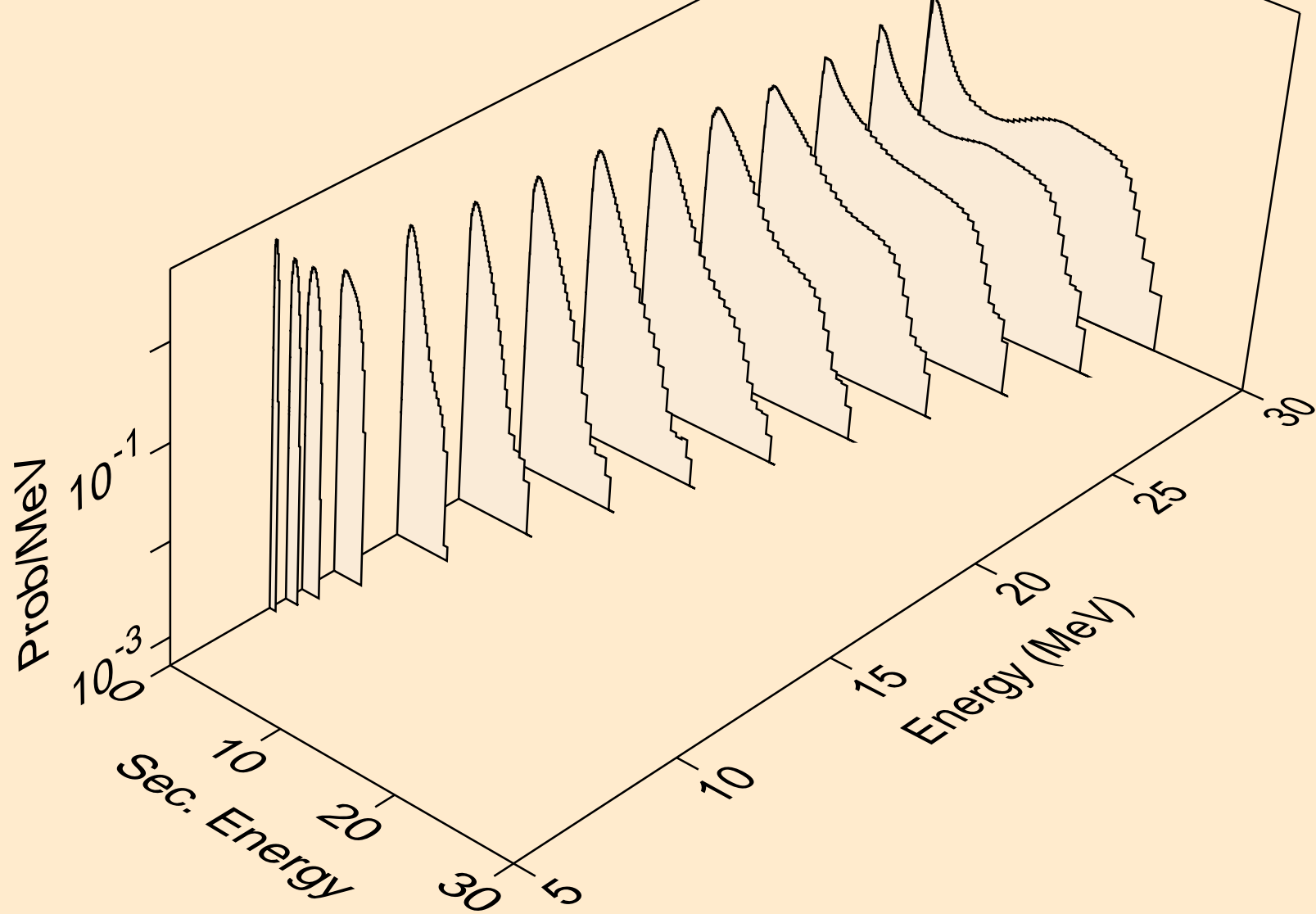
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,x)



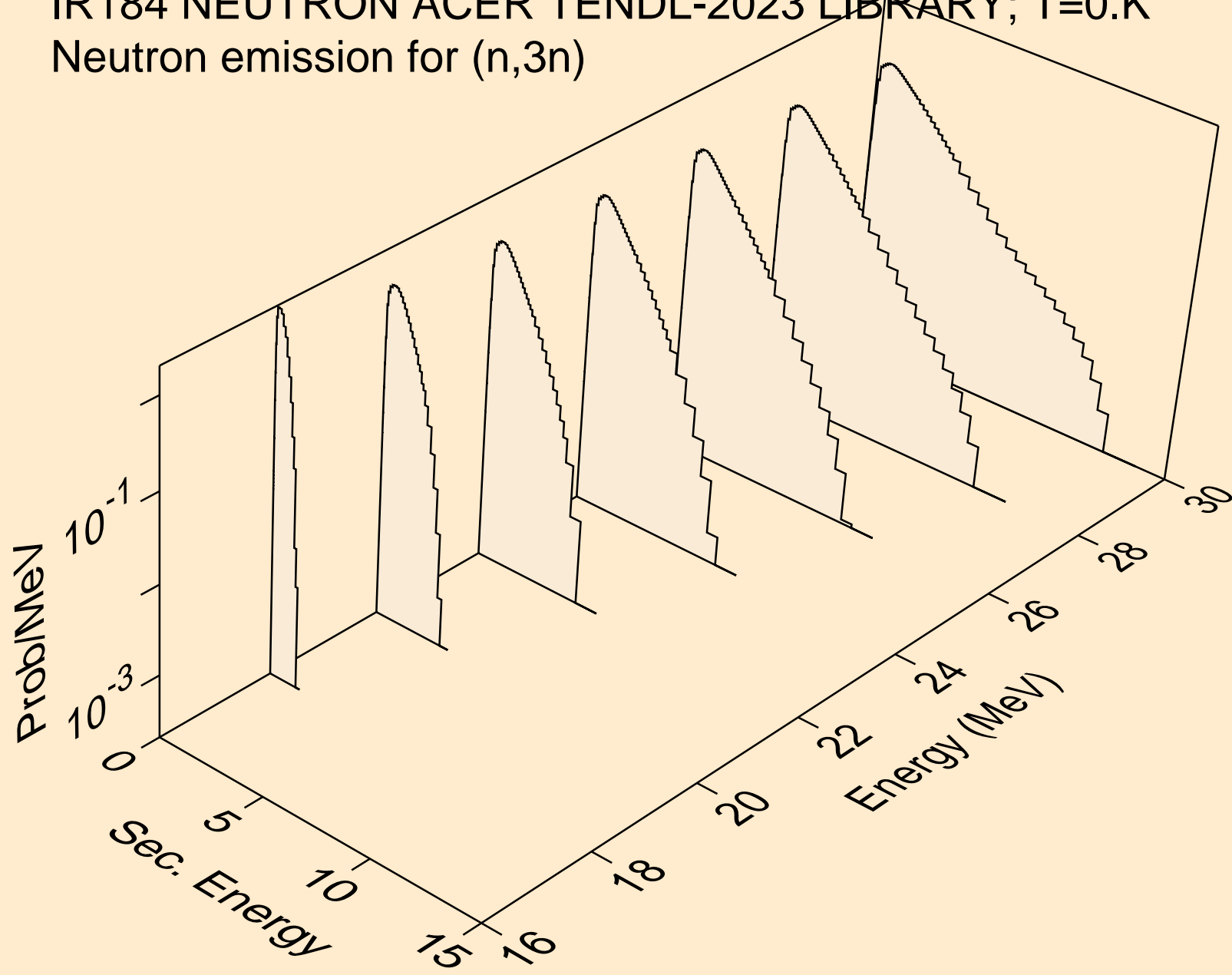
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



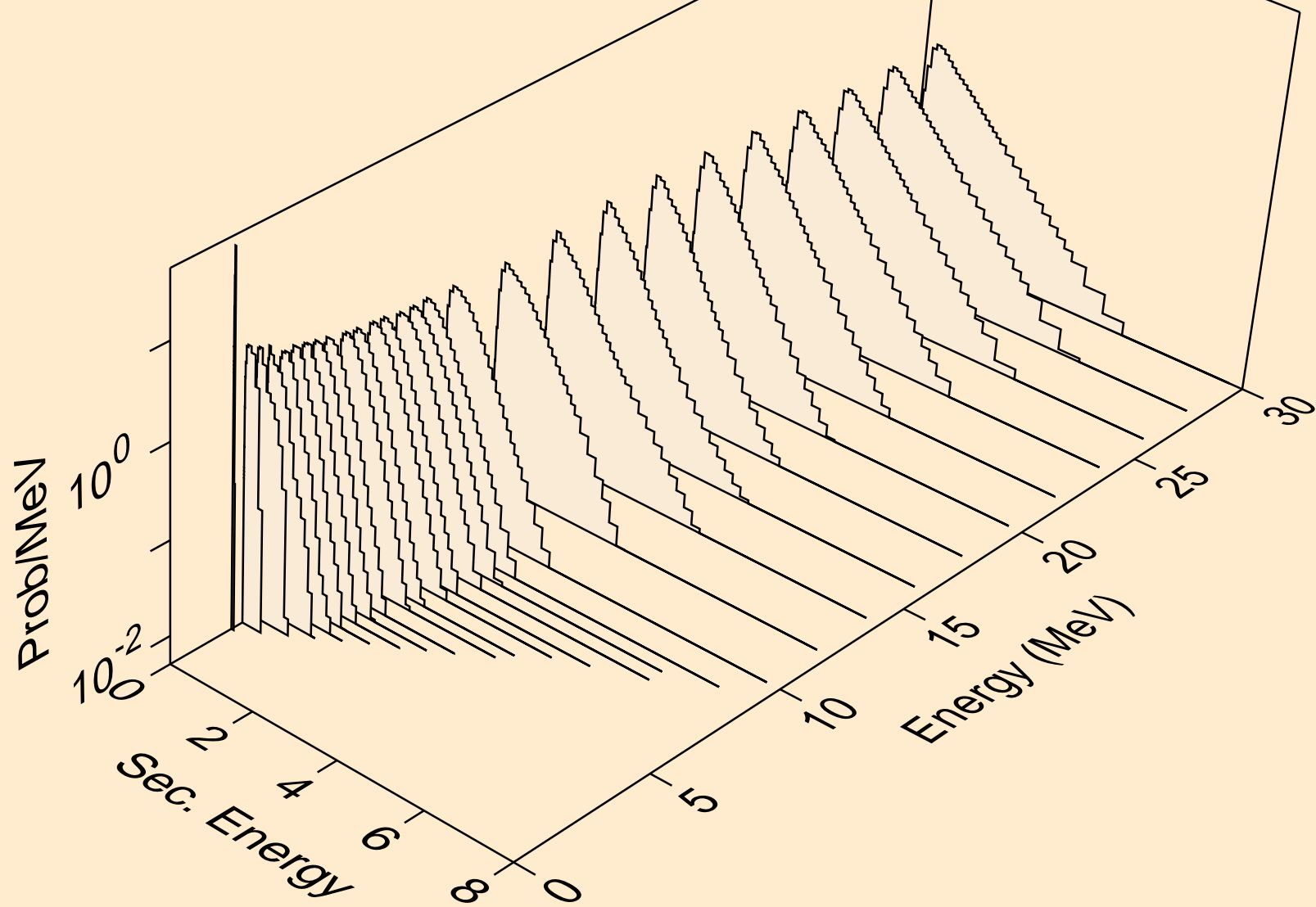
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)



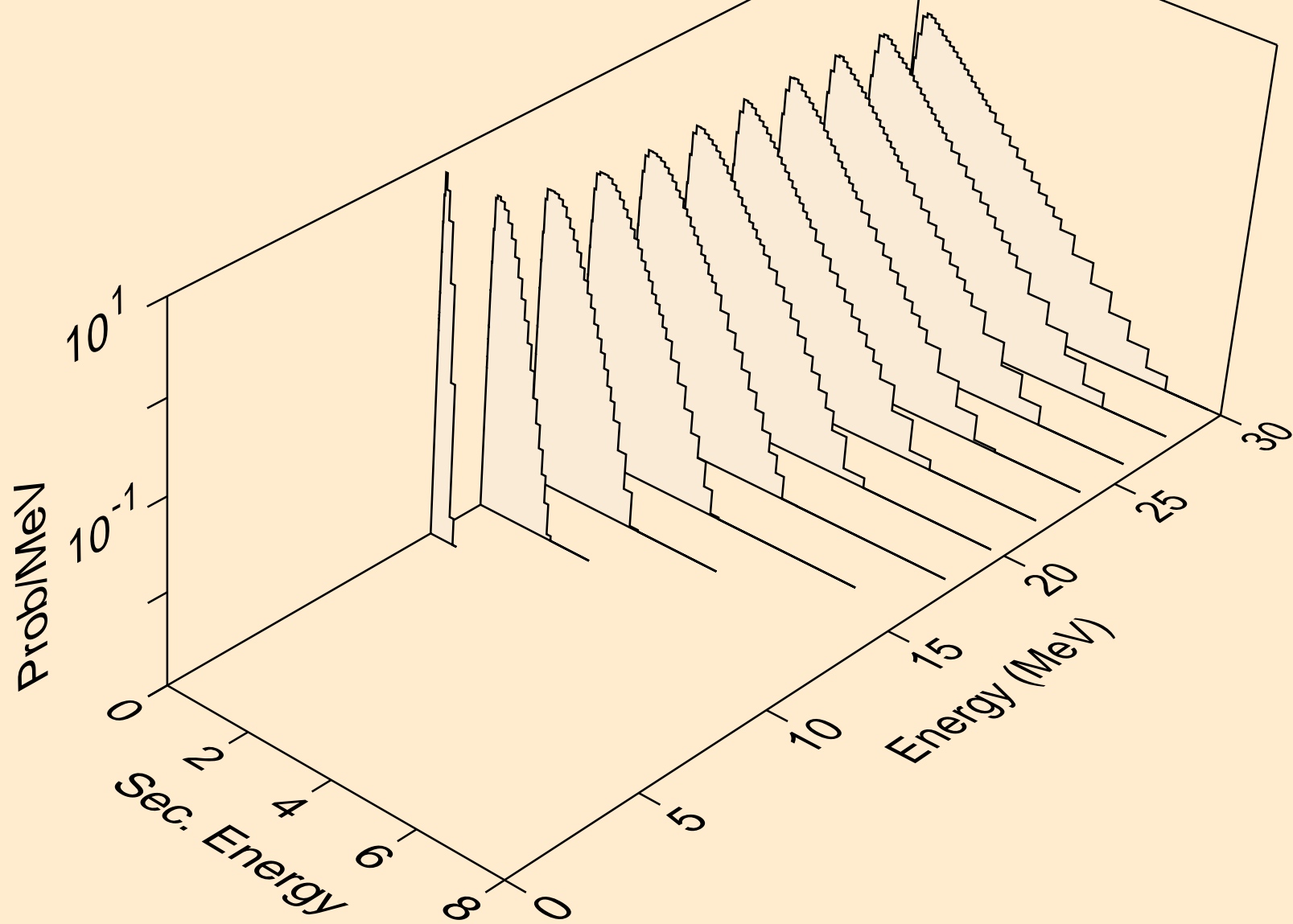
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)



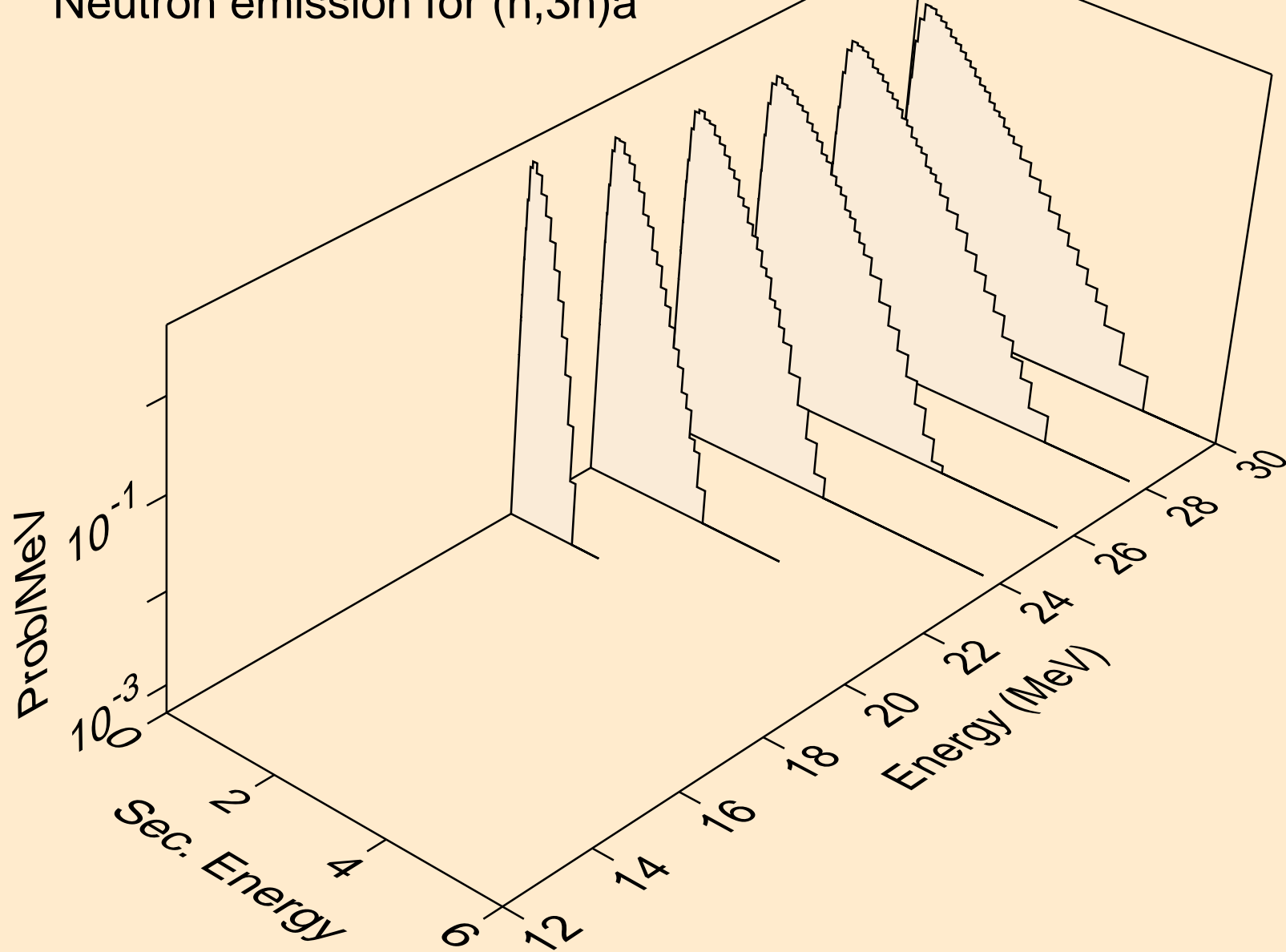
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



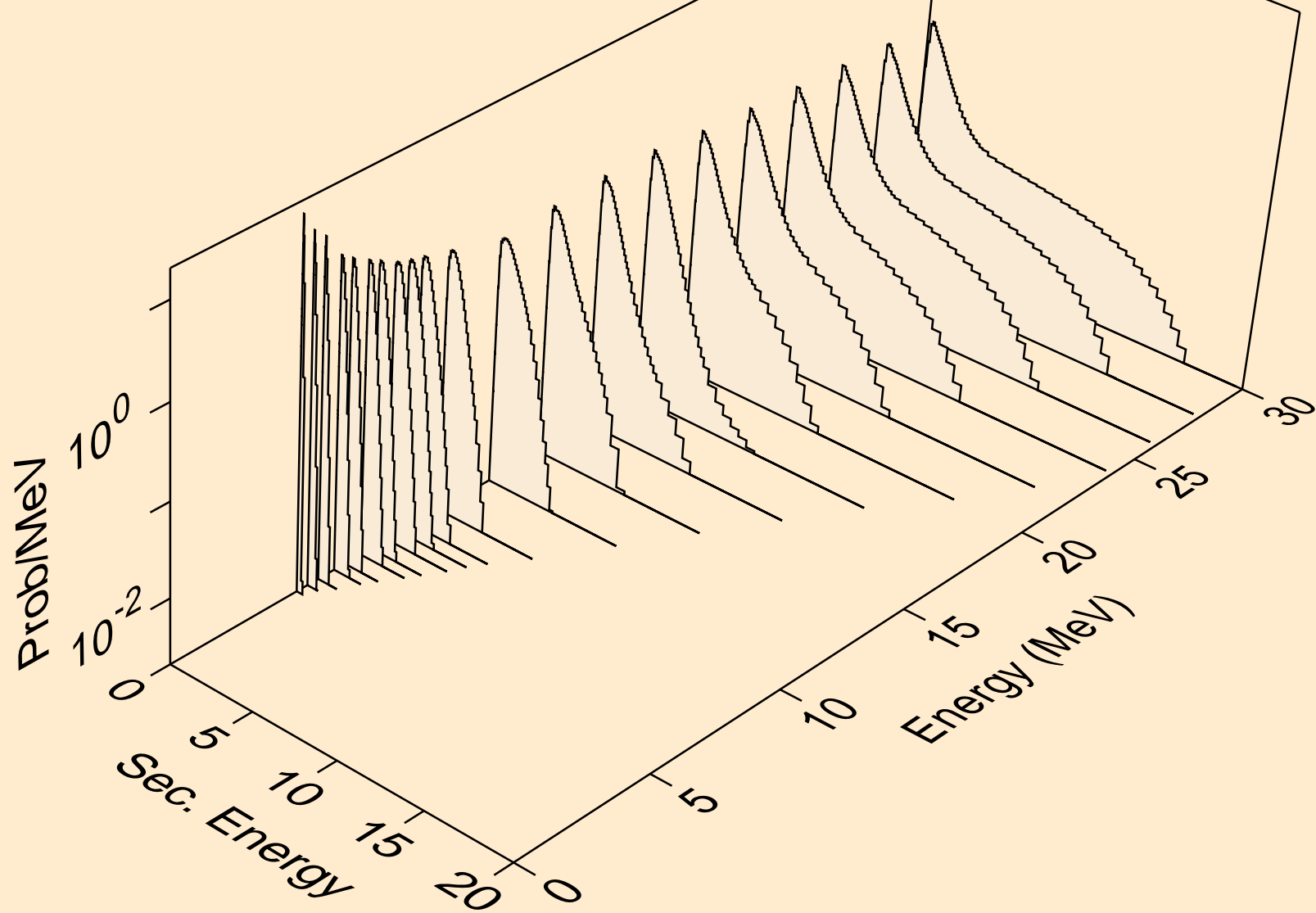
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)a



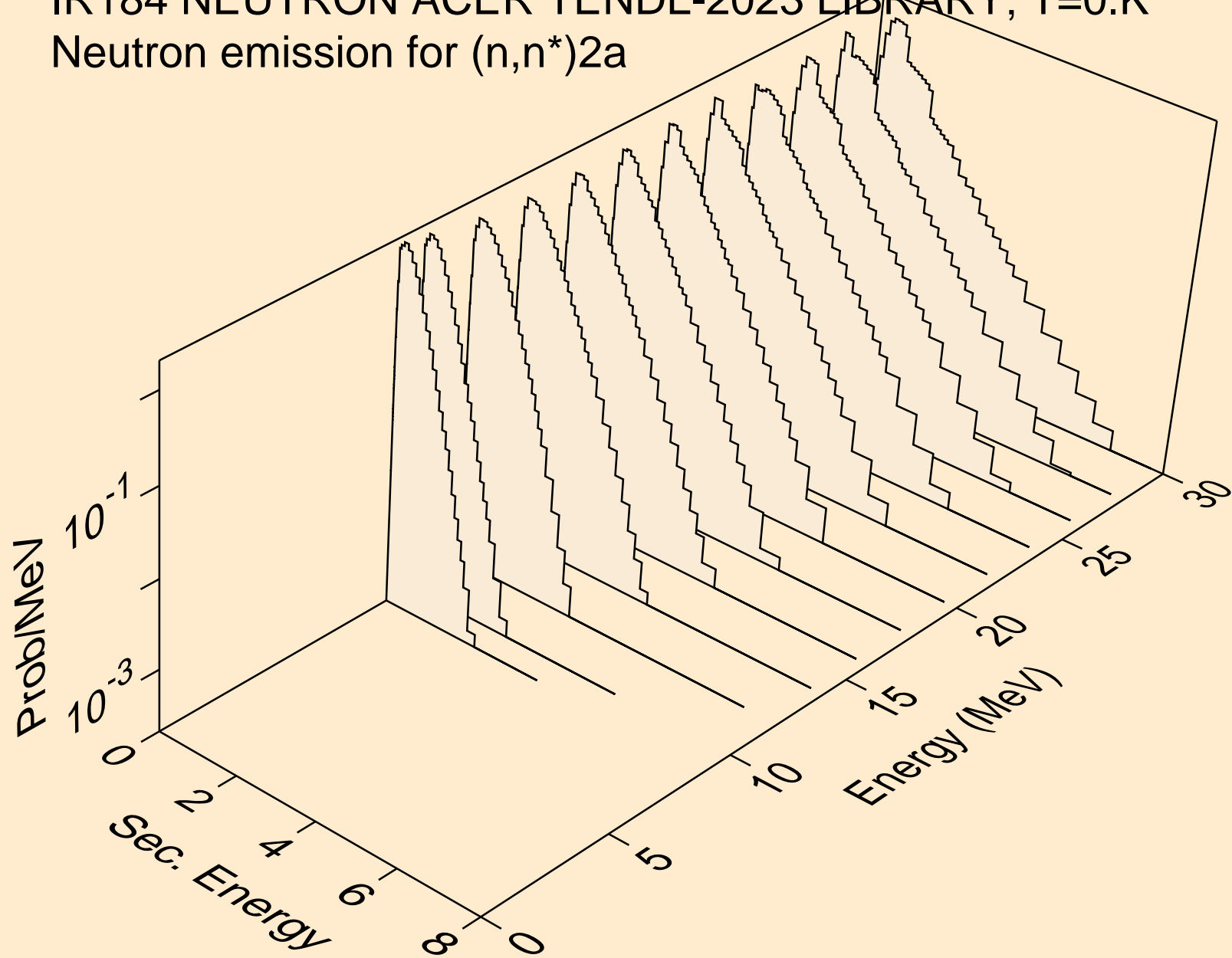
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)a



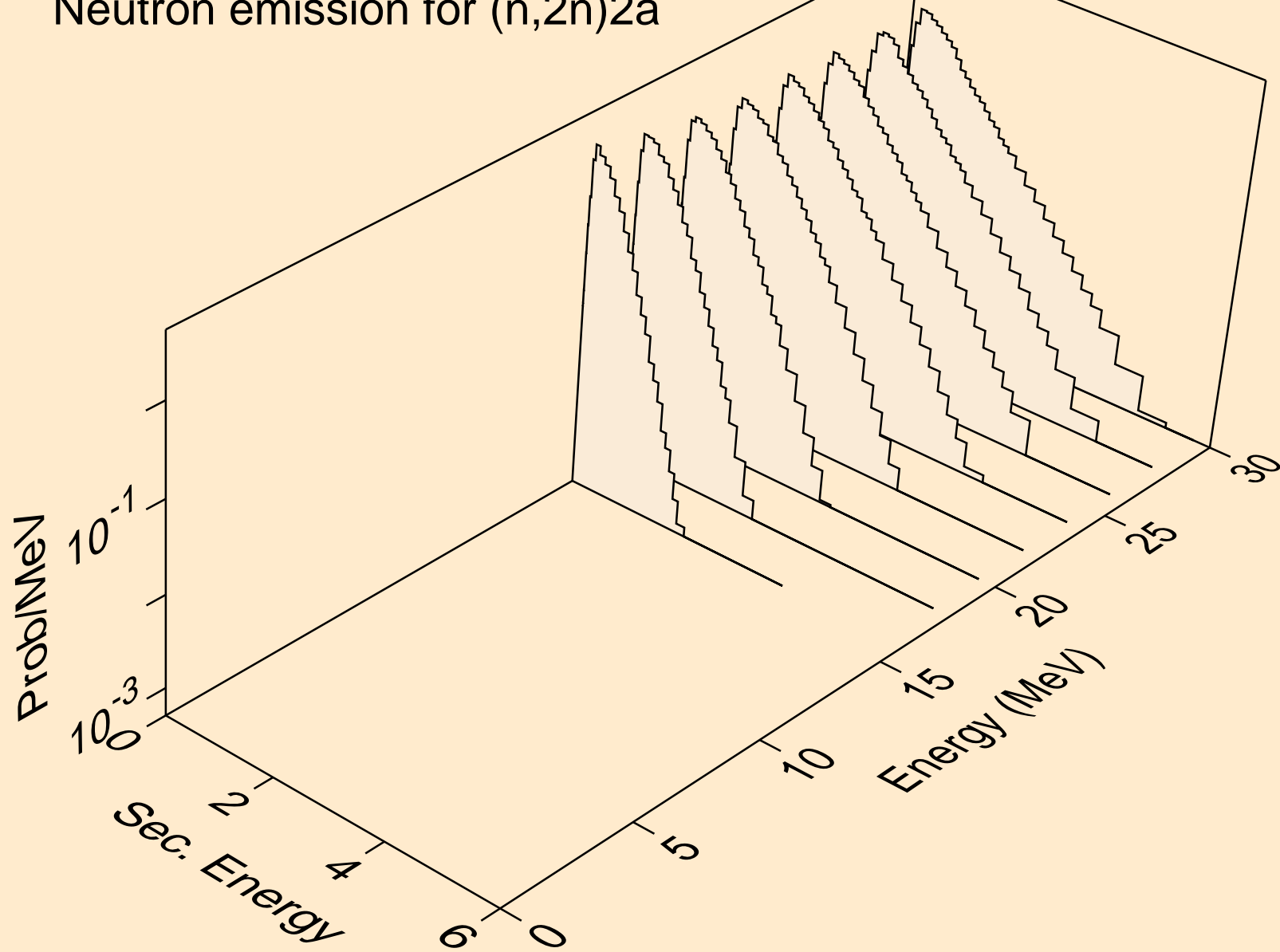
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



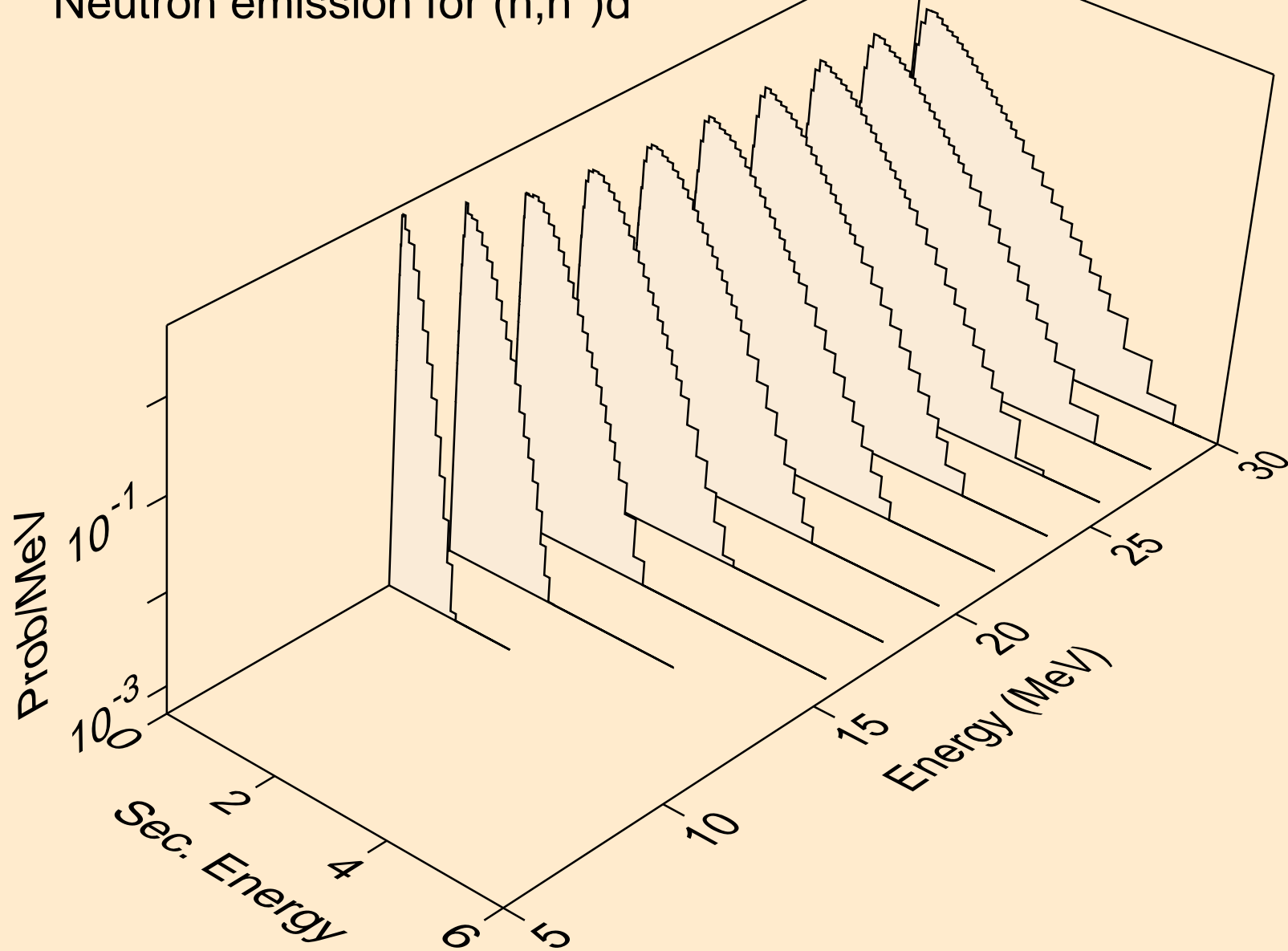
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)2a



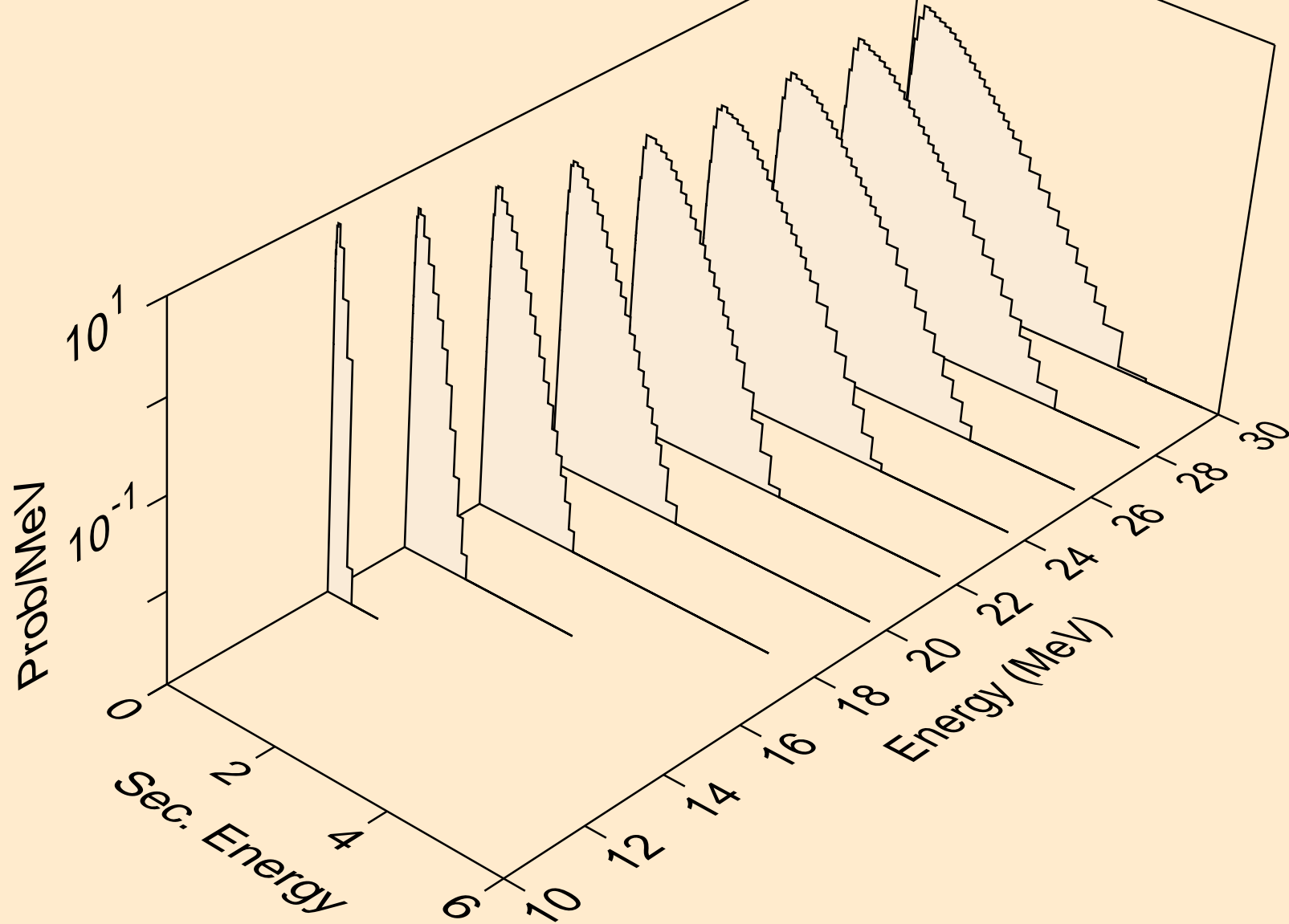
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)2a



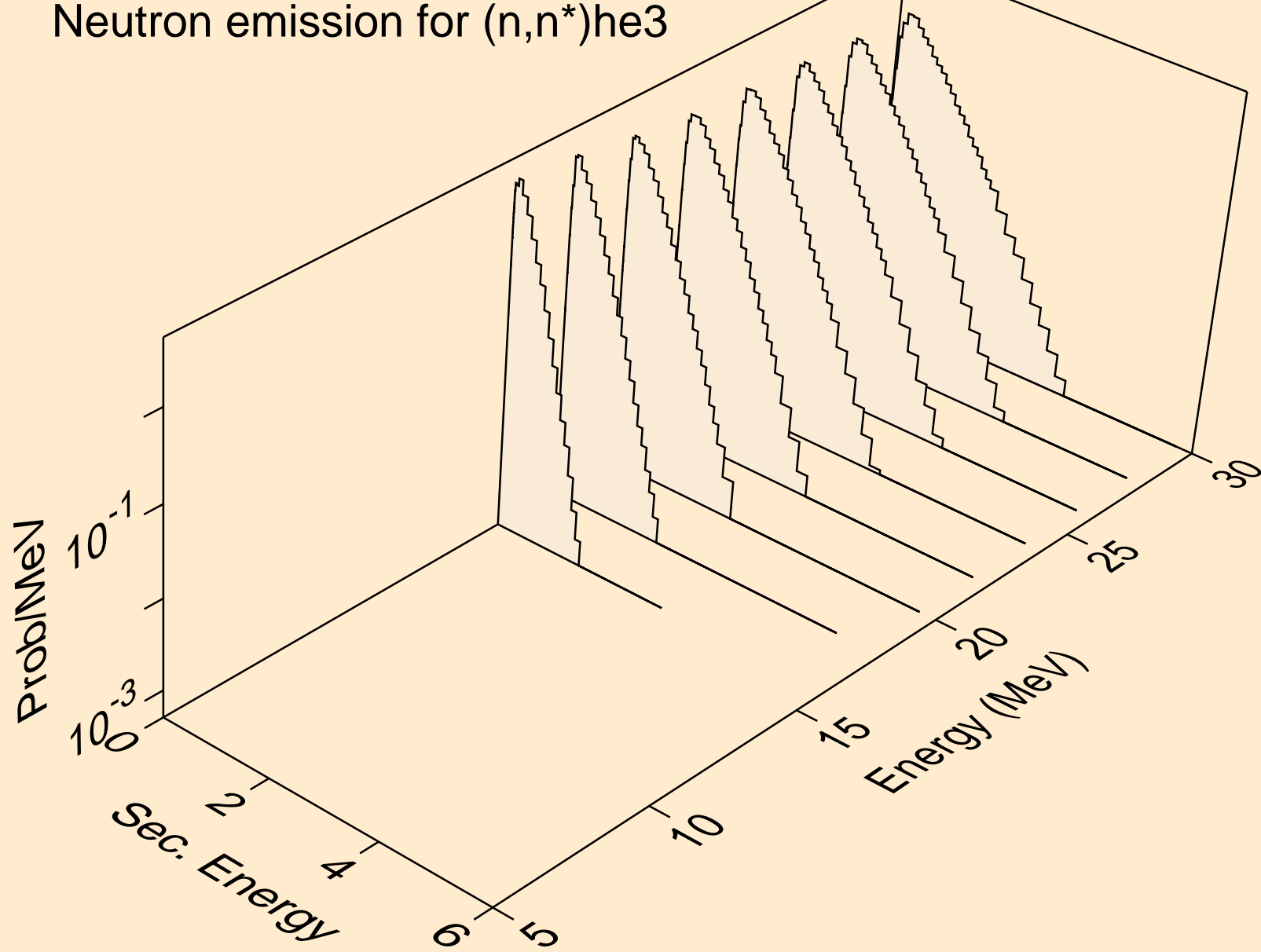
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d



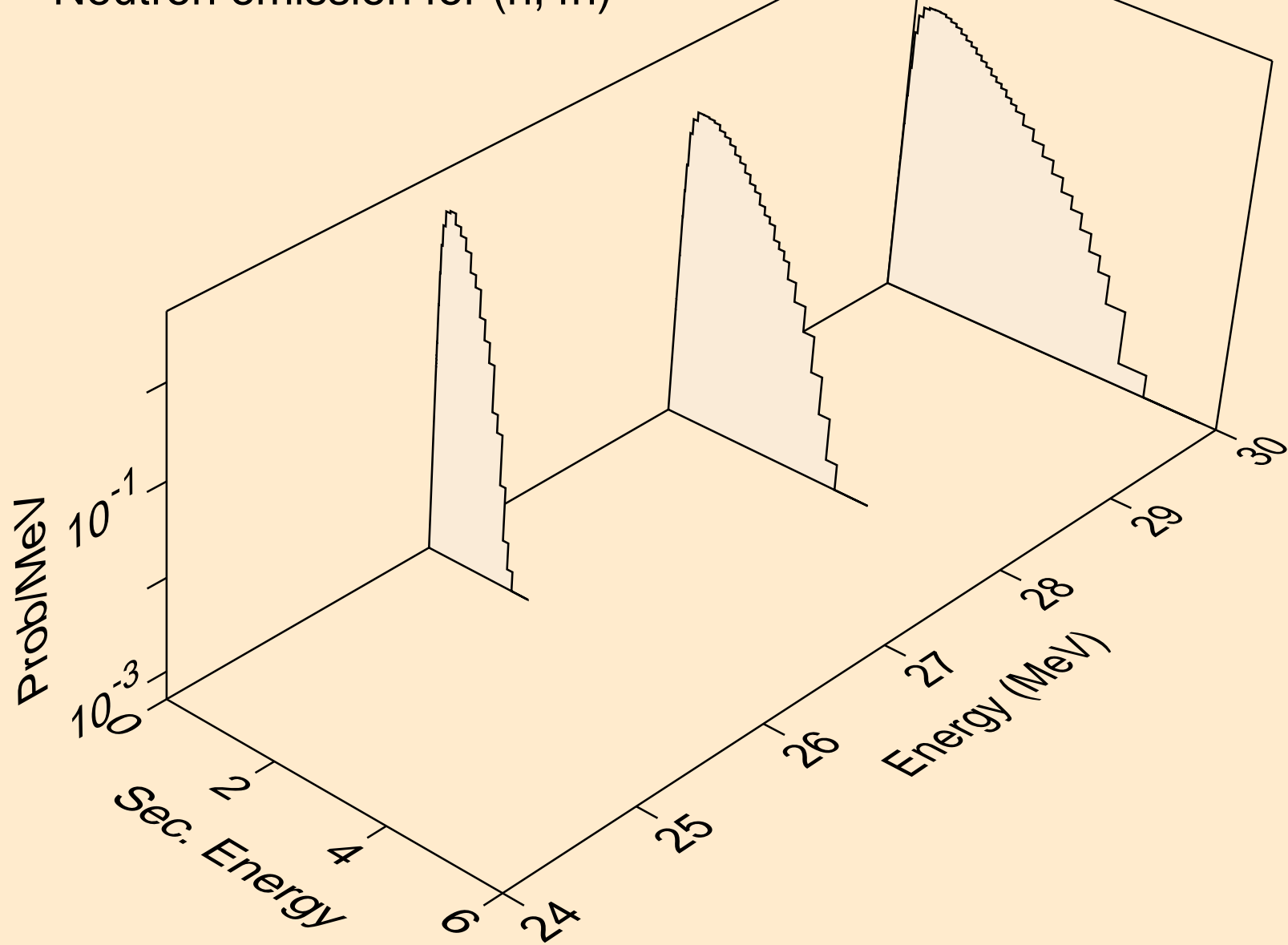
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



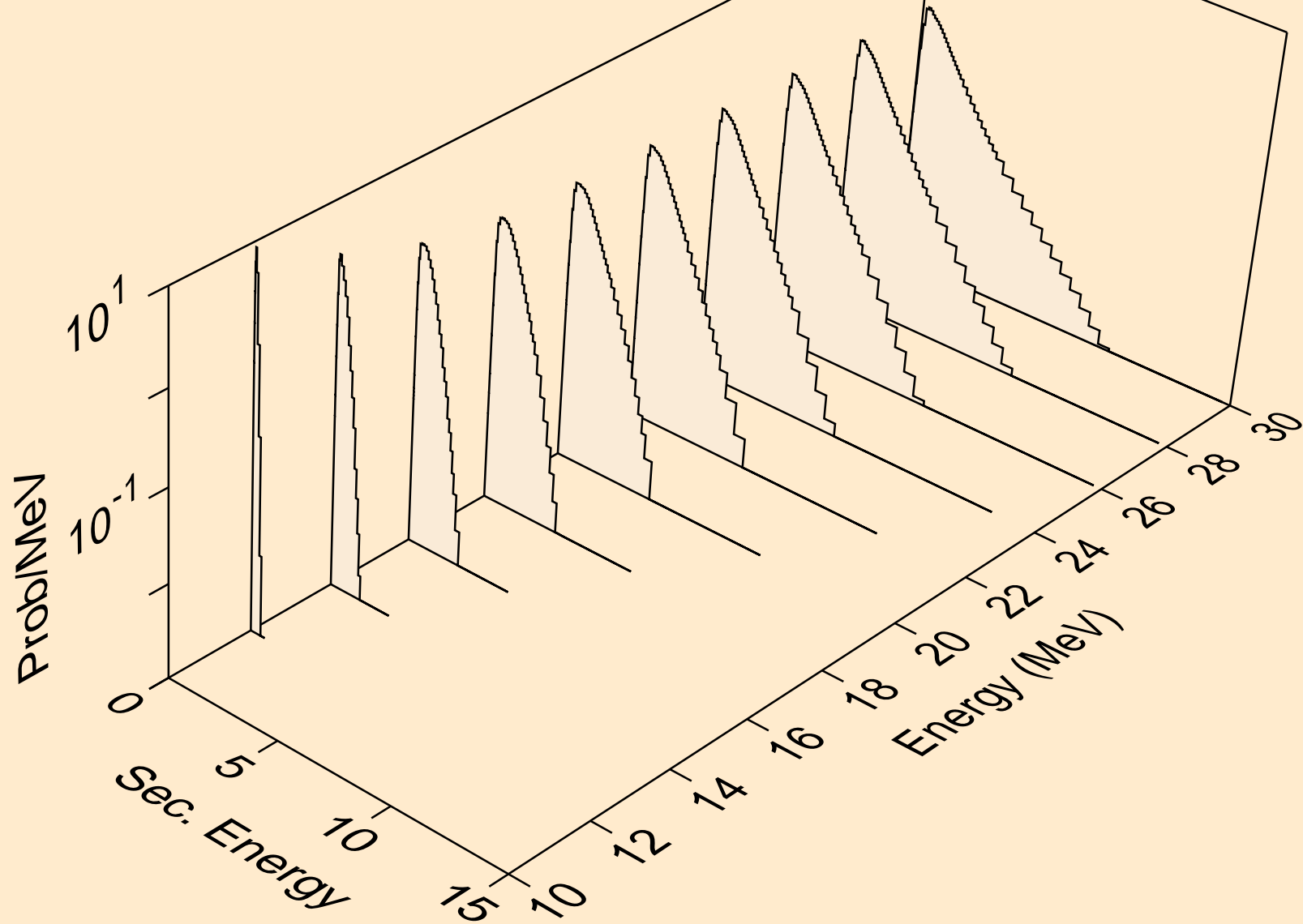
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



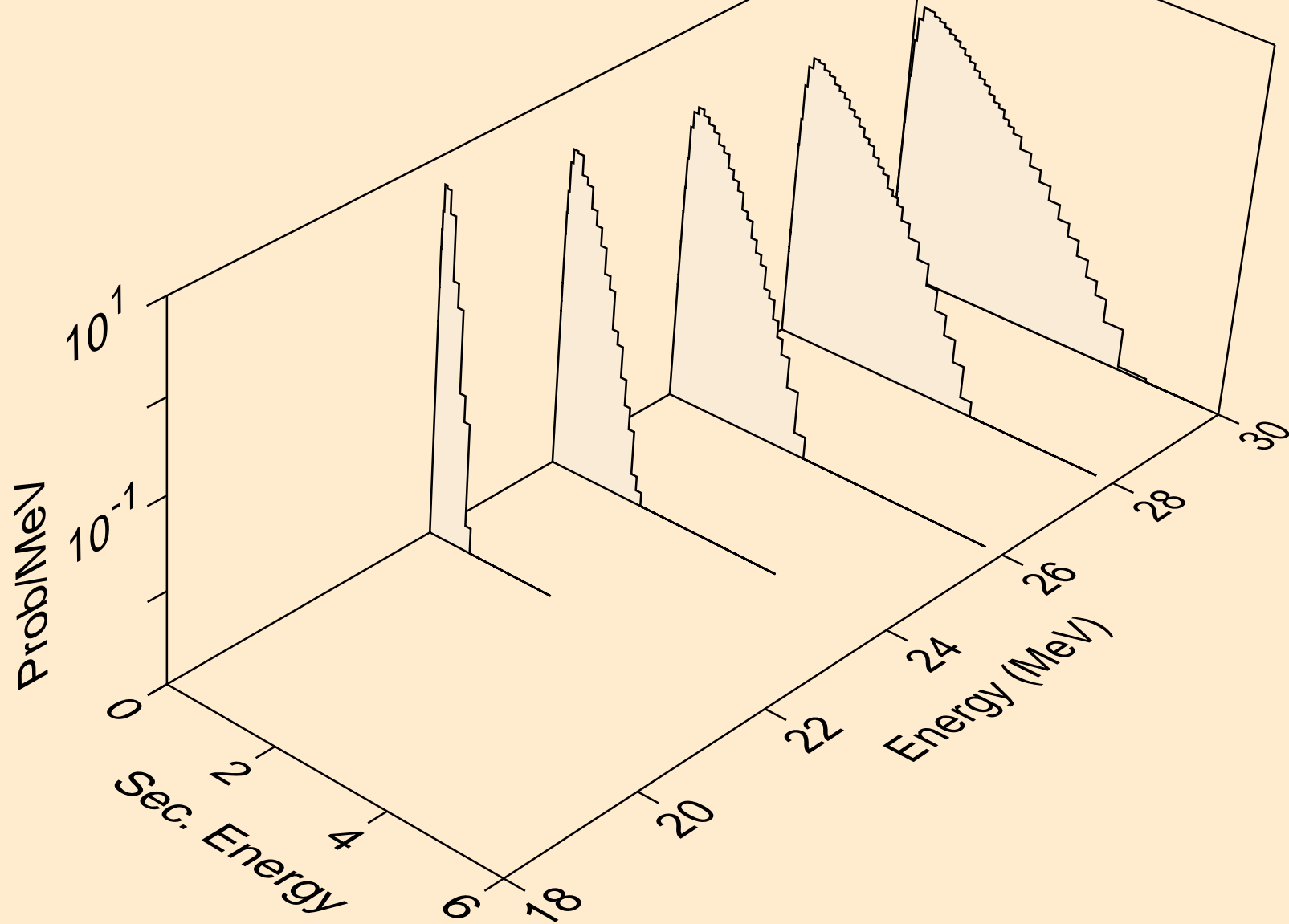
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,4n)



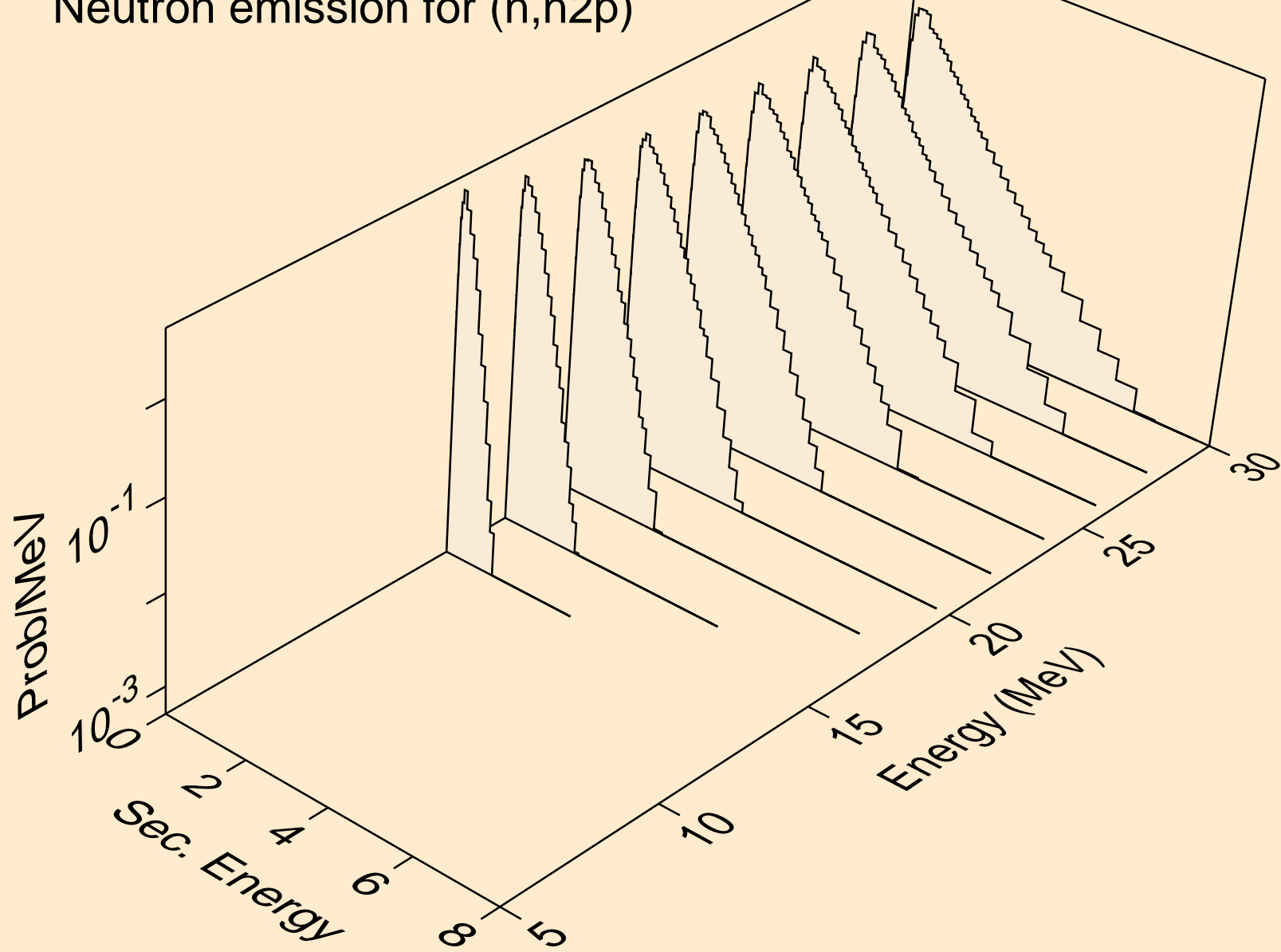
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2np)



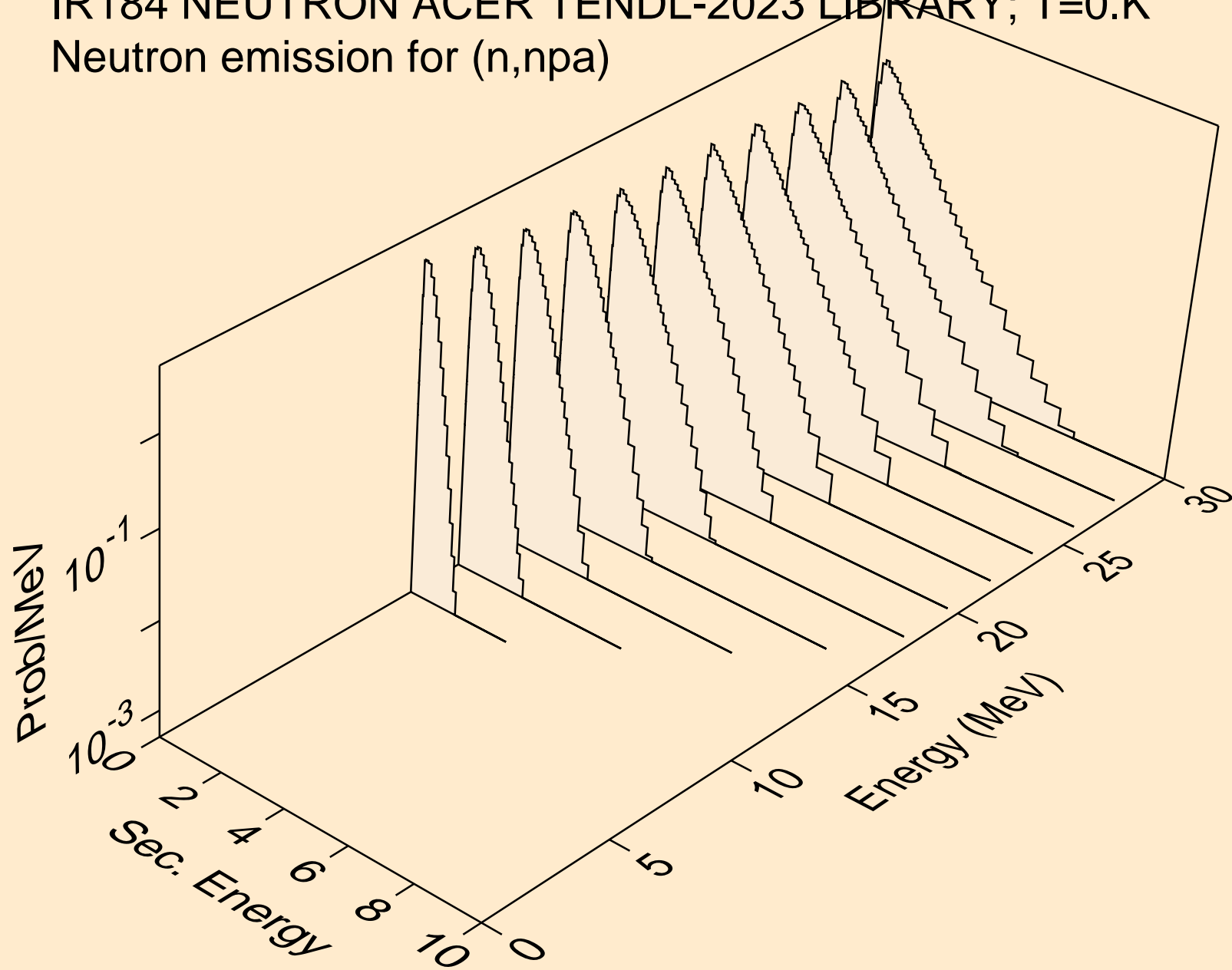
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3np)



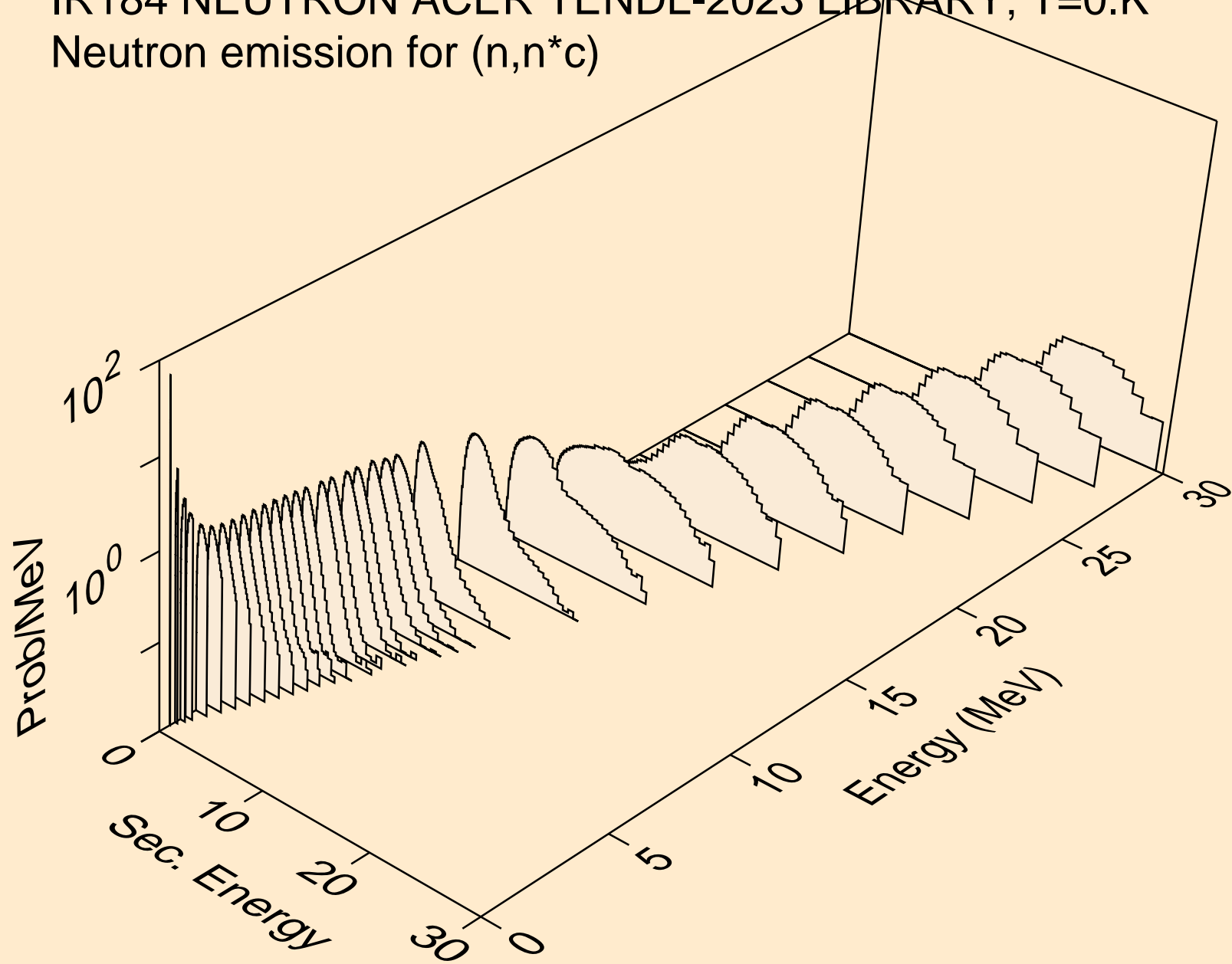
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n2p)



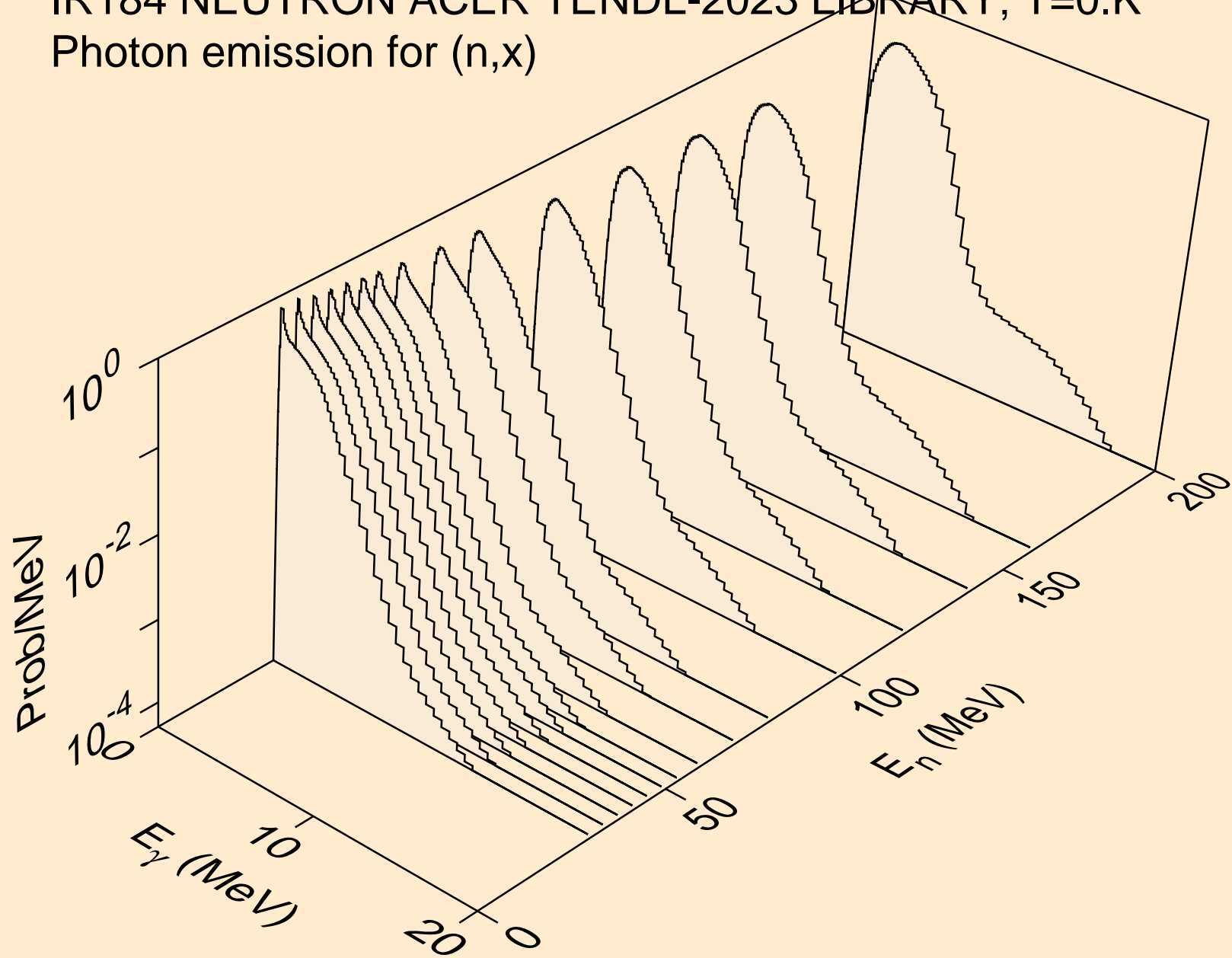
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,npa)



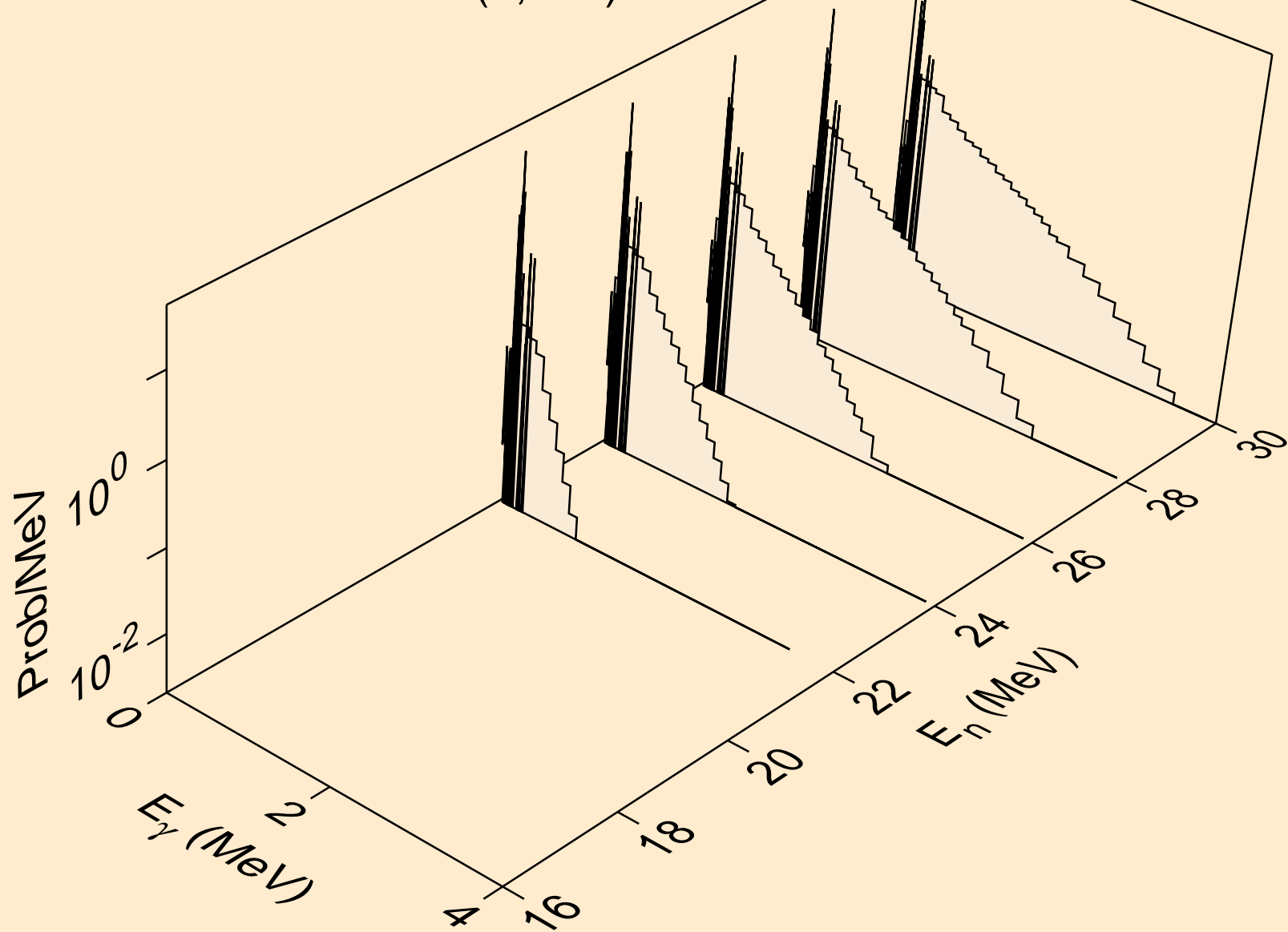
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)



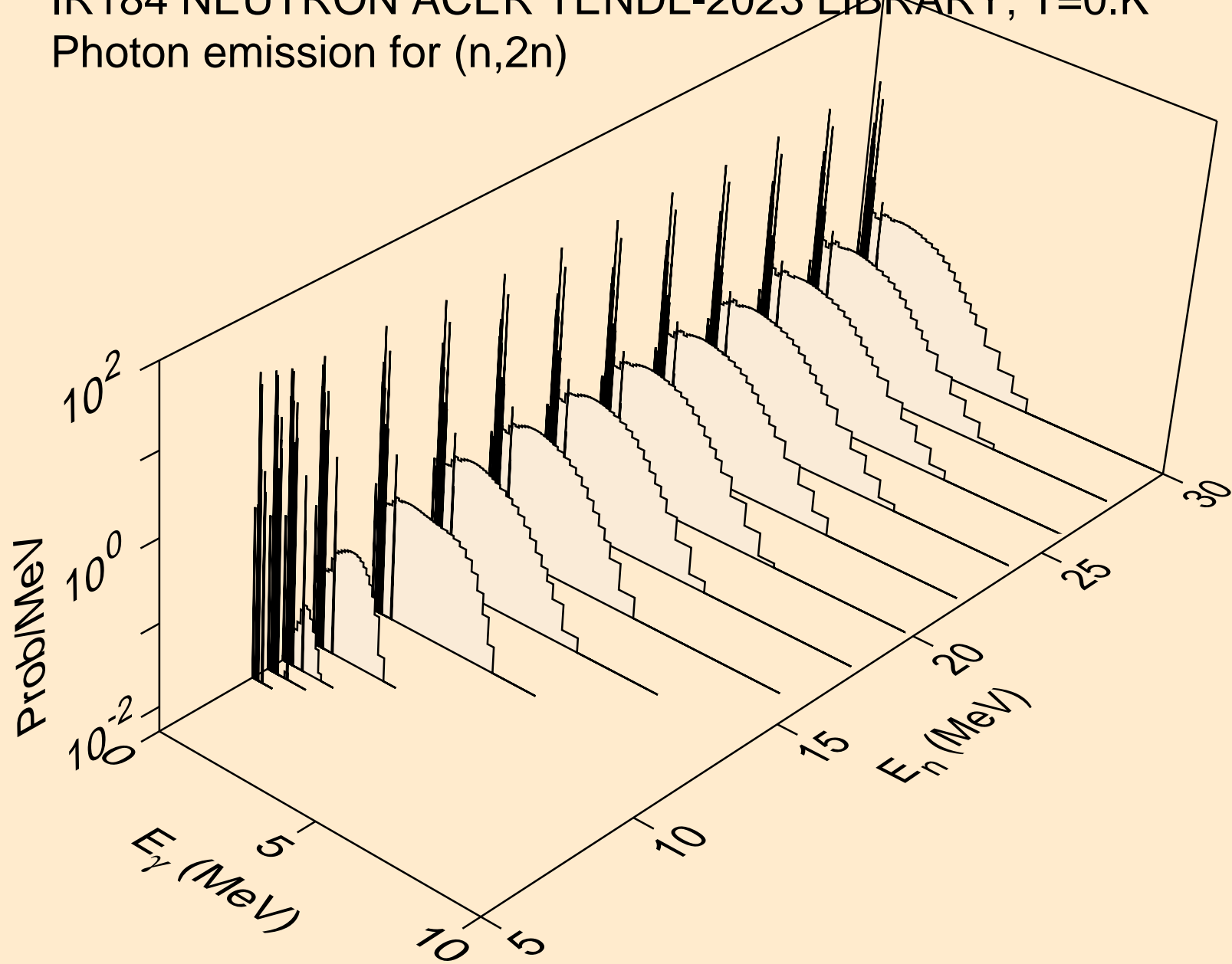
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,x)



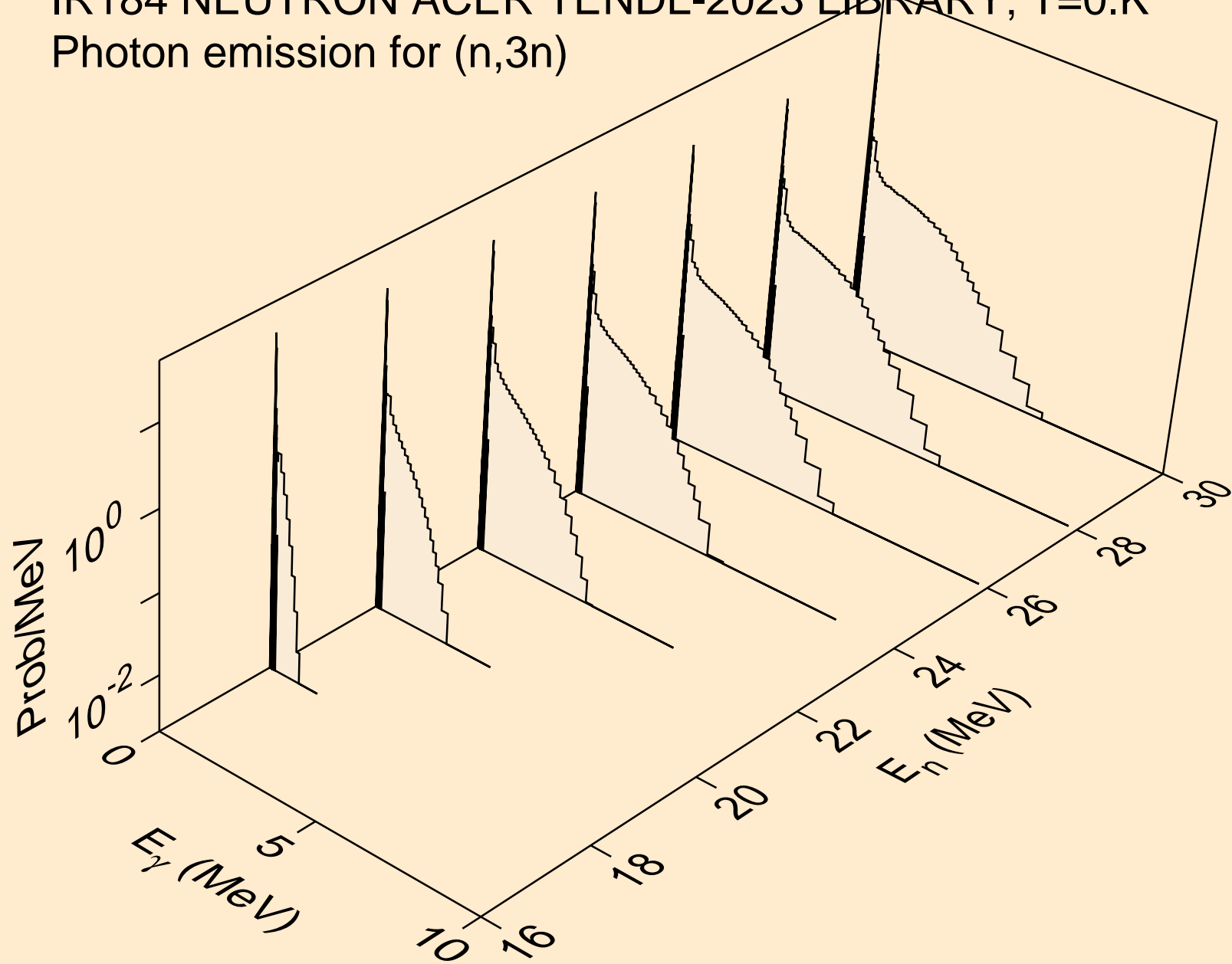
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



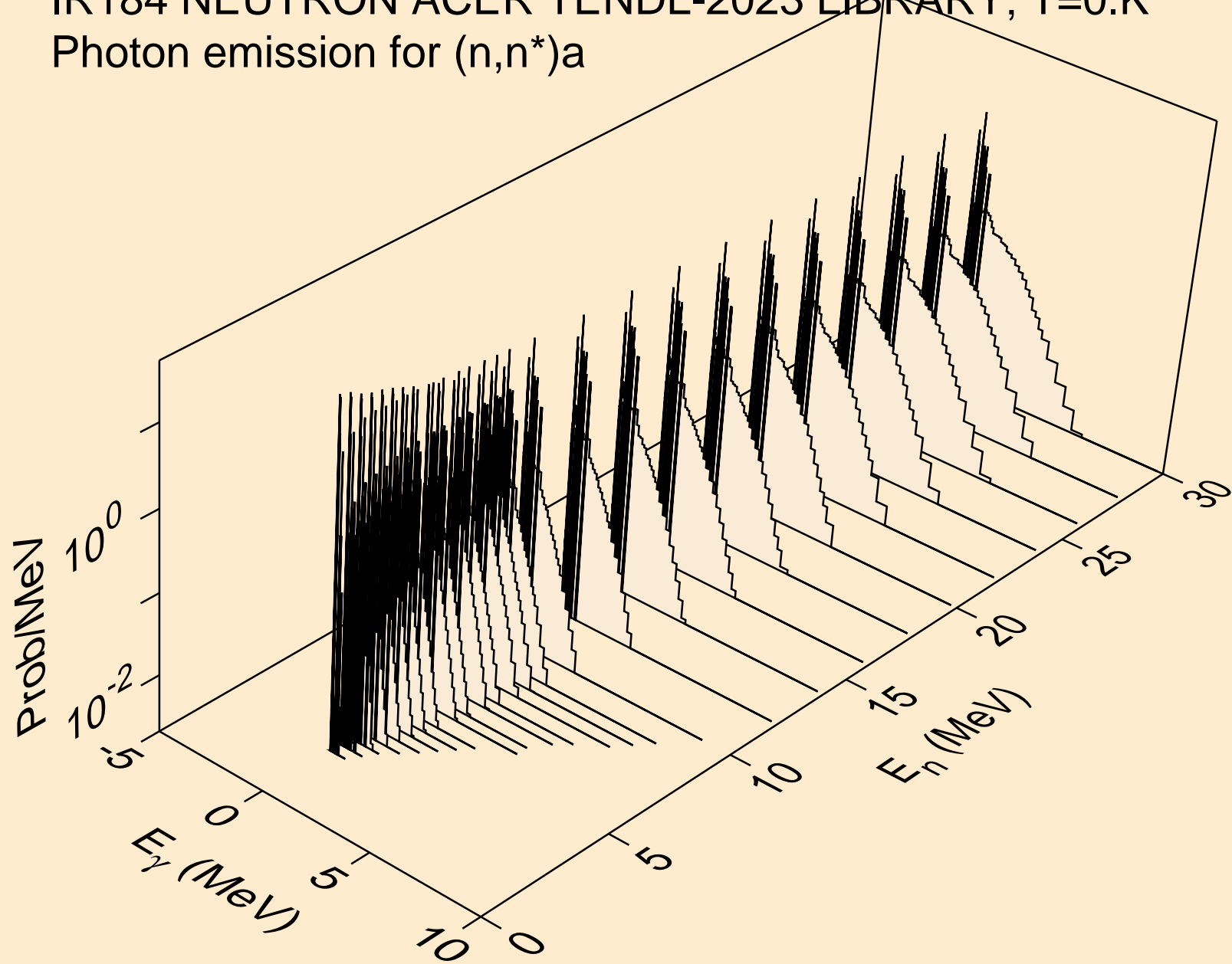
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



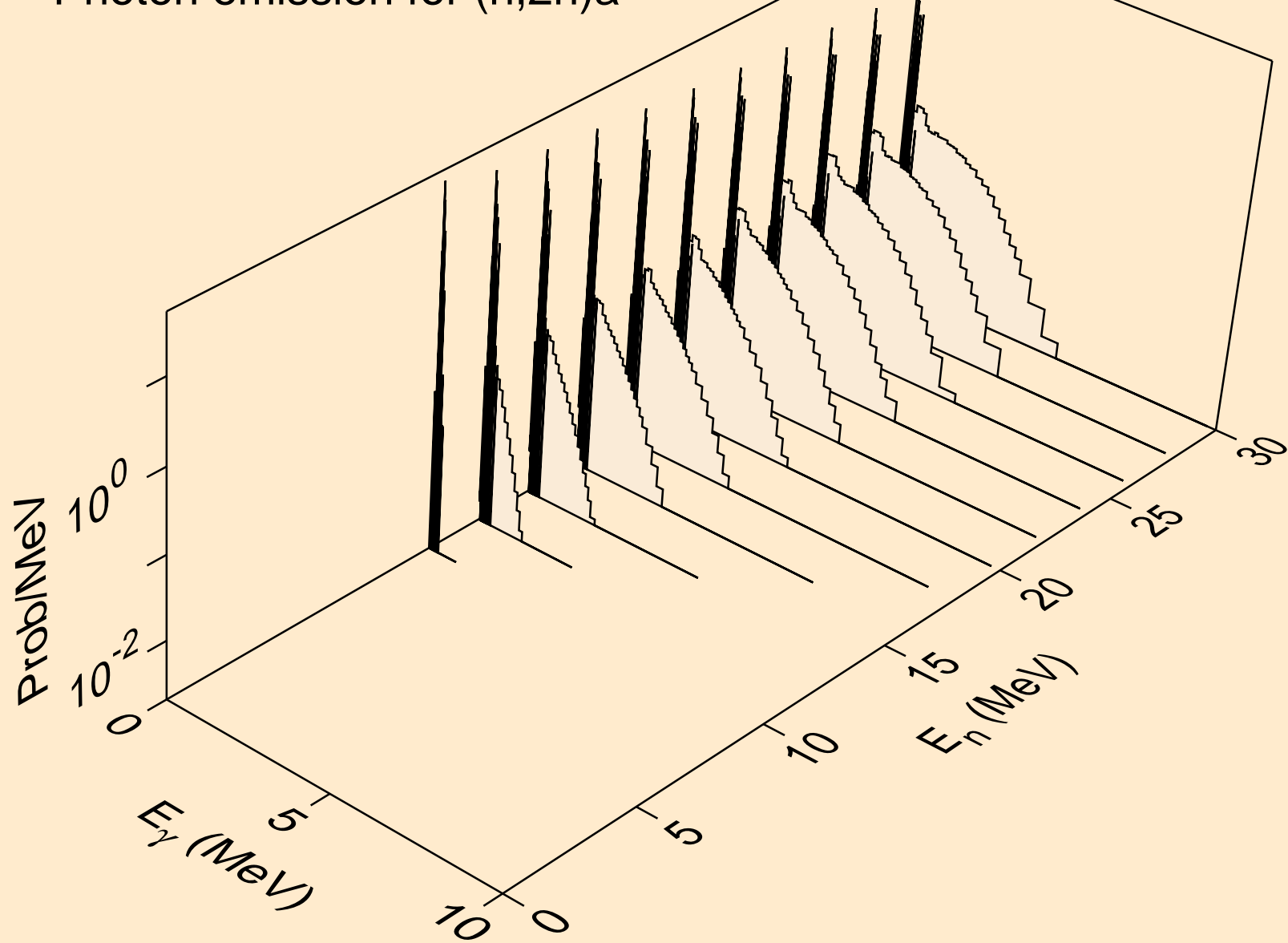
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



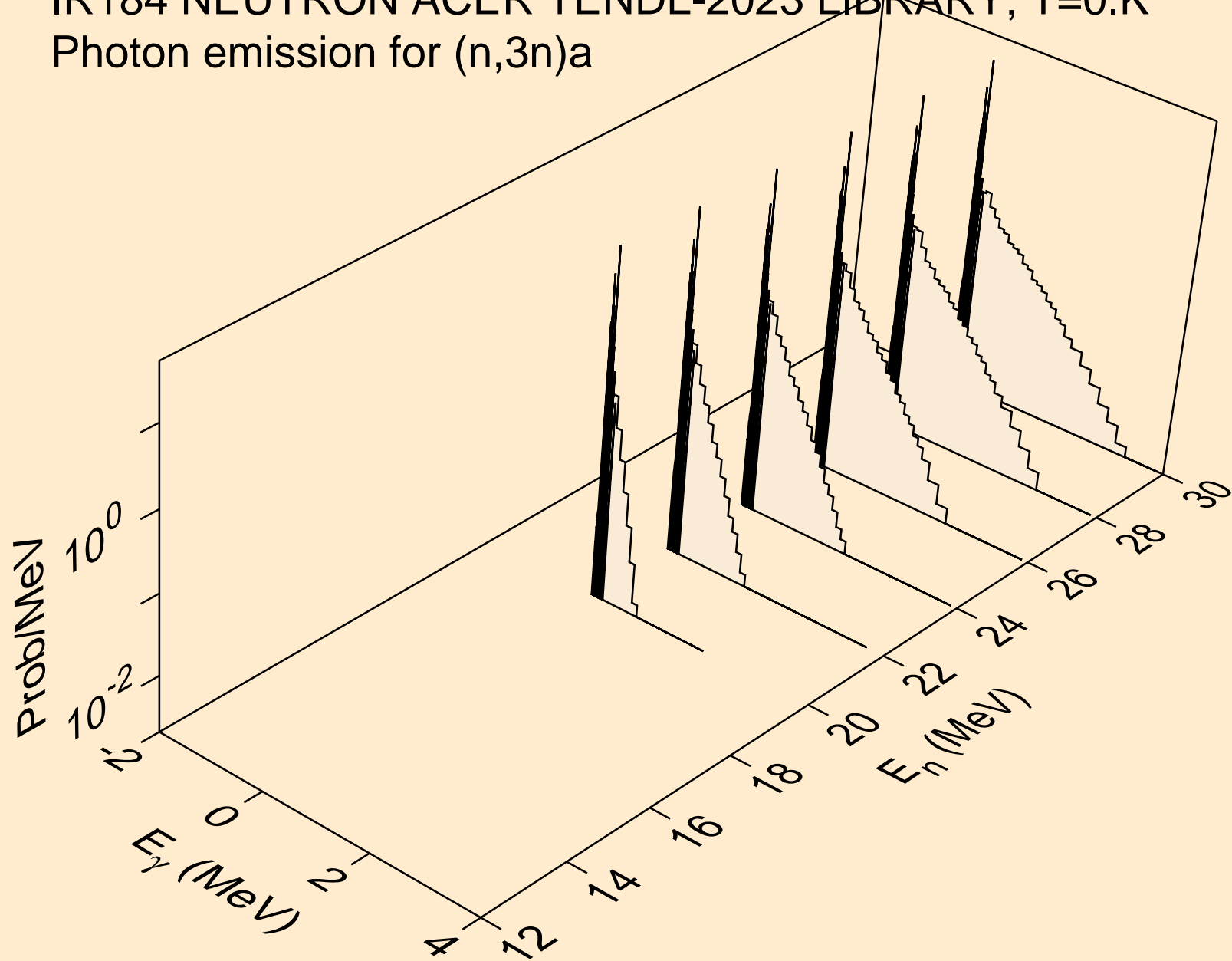
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



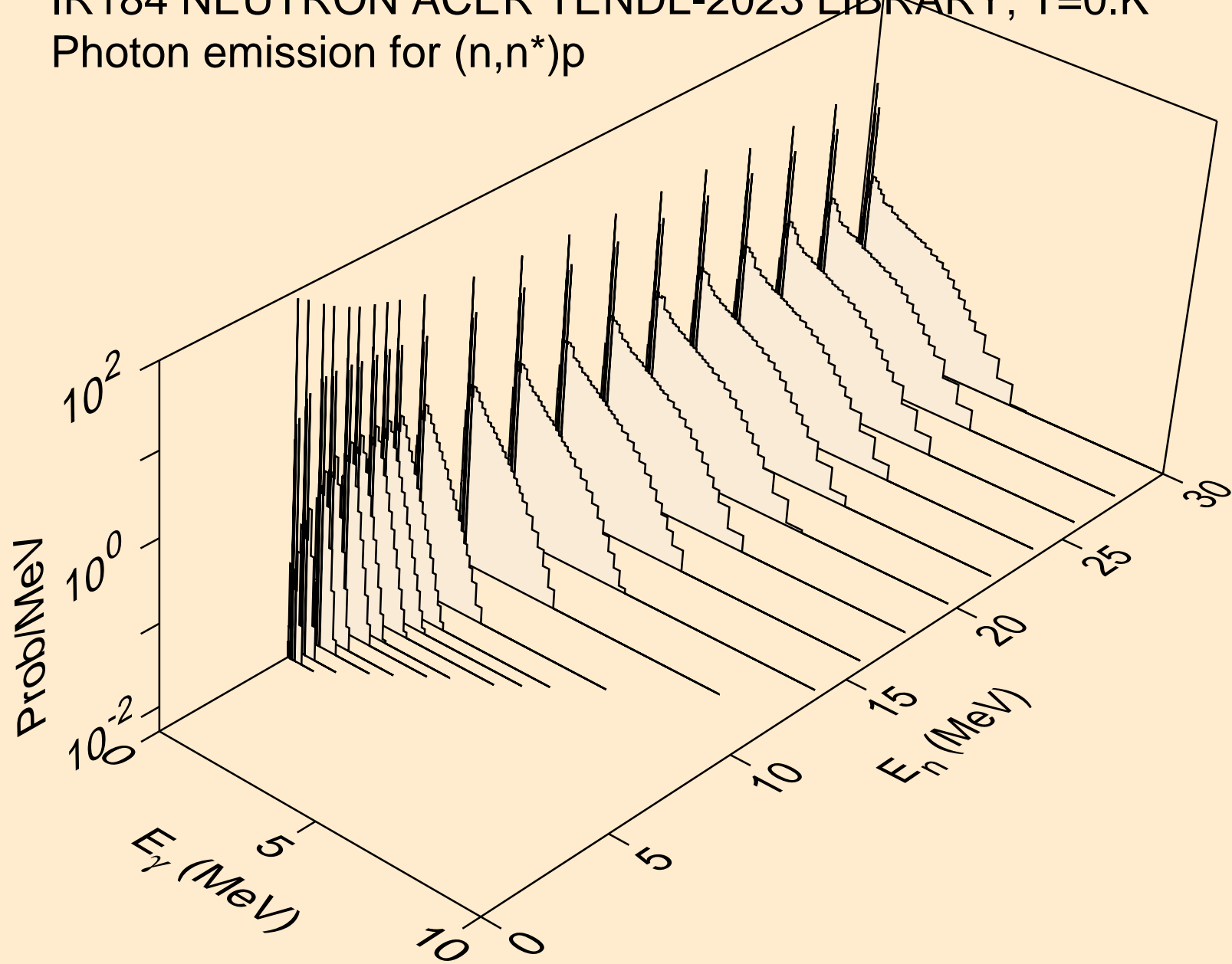
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a



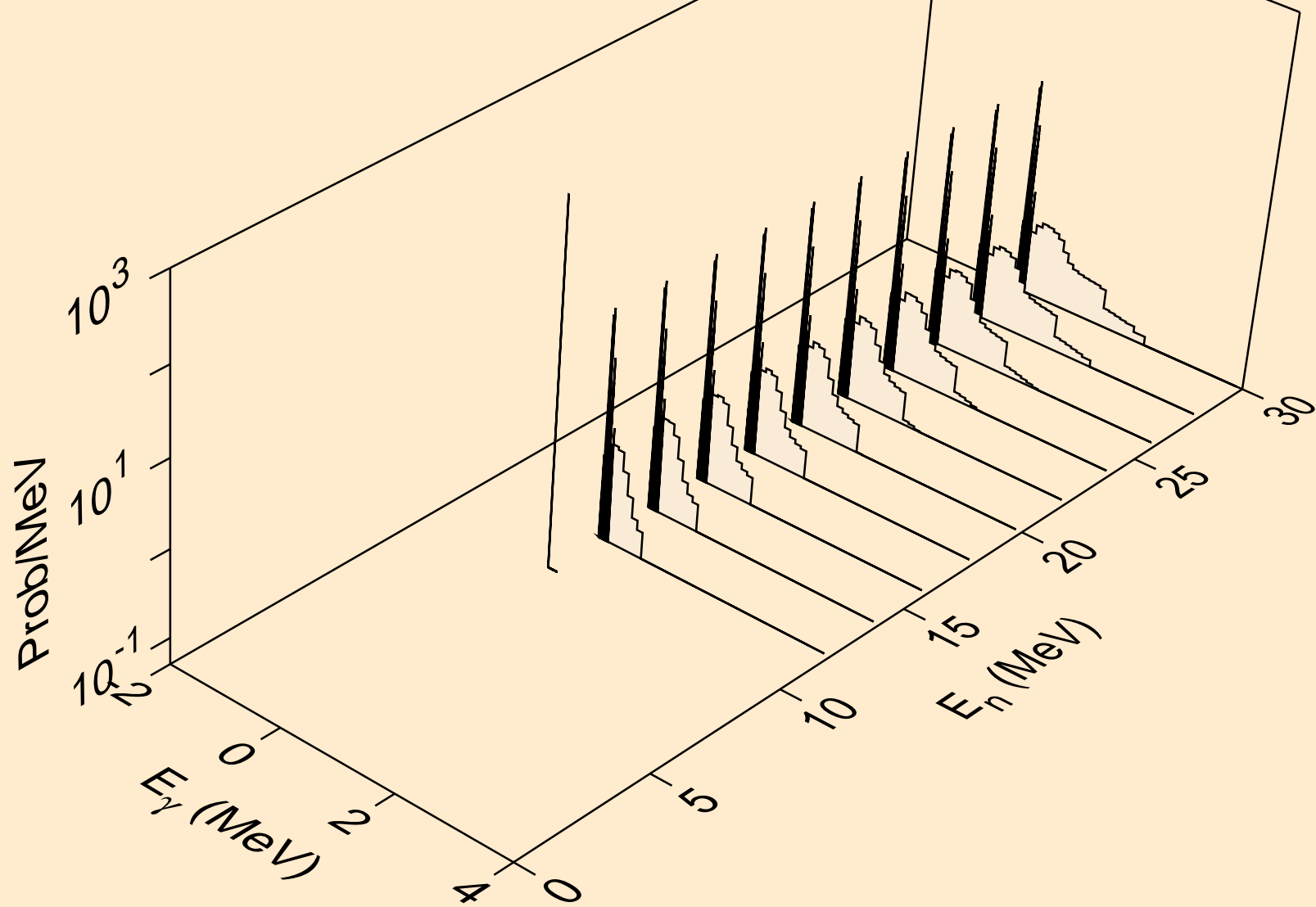
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)a



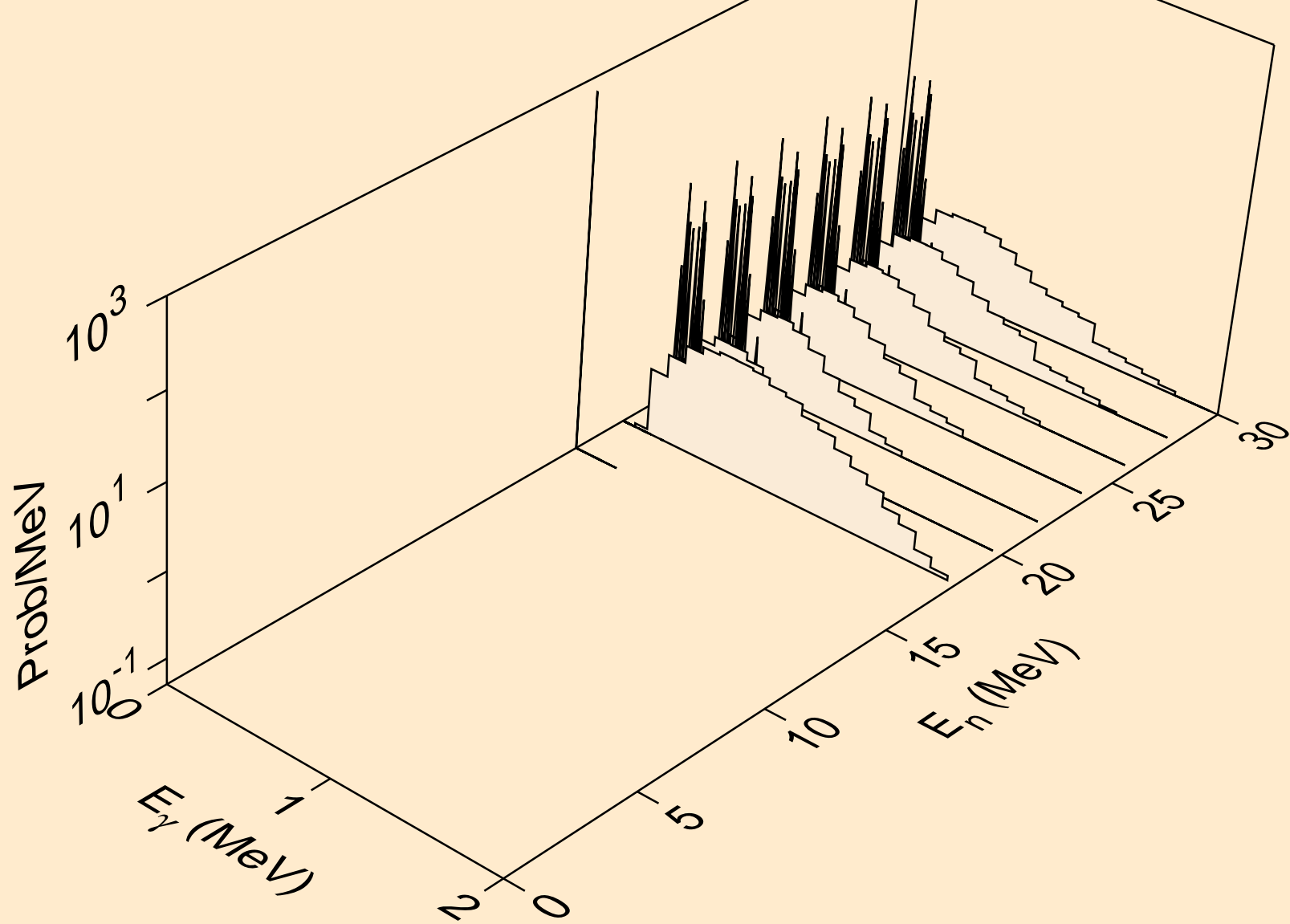
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



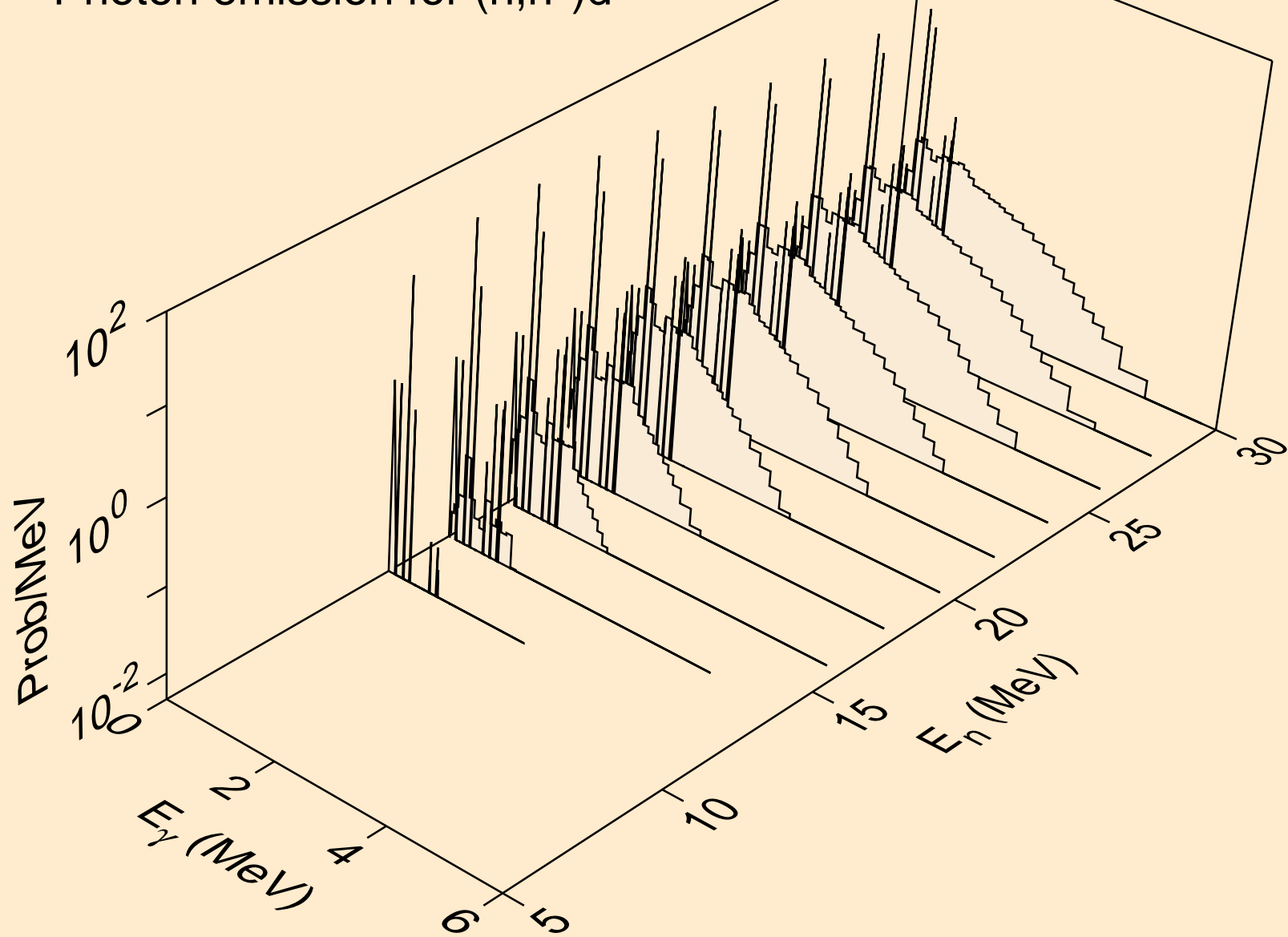
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



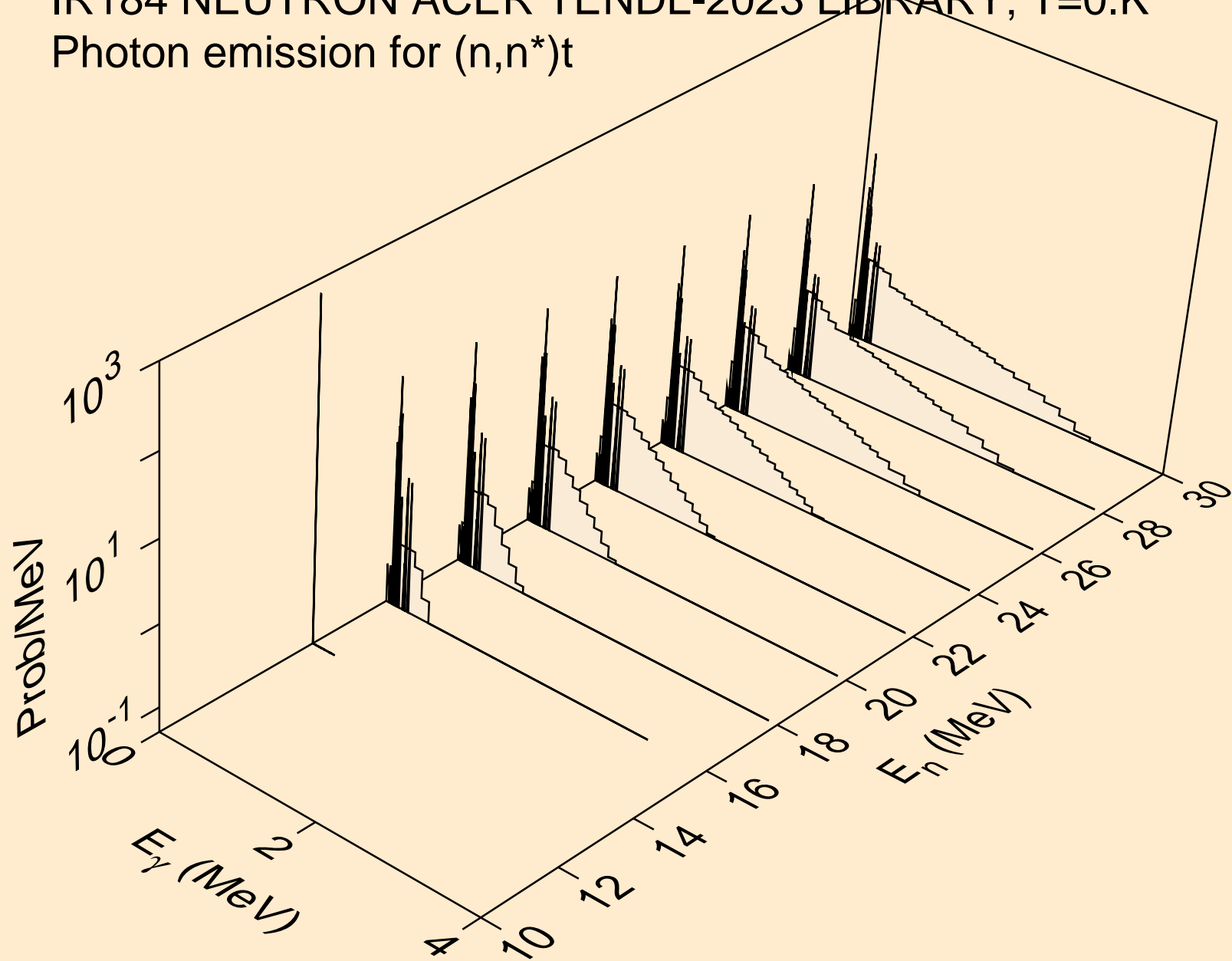
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)2a



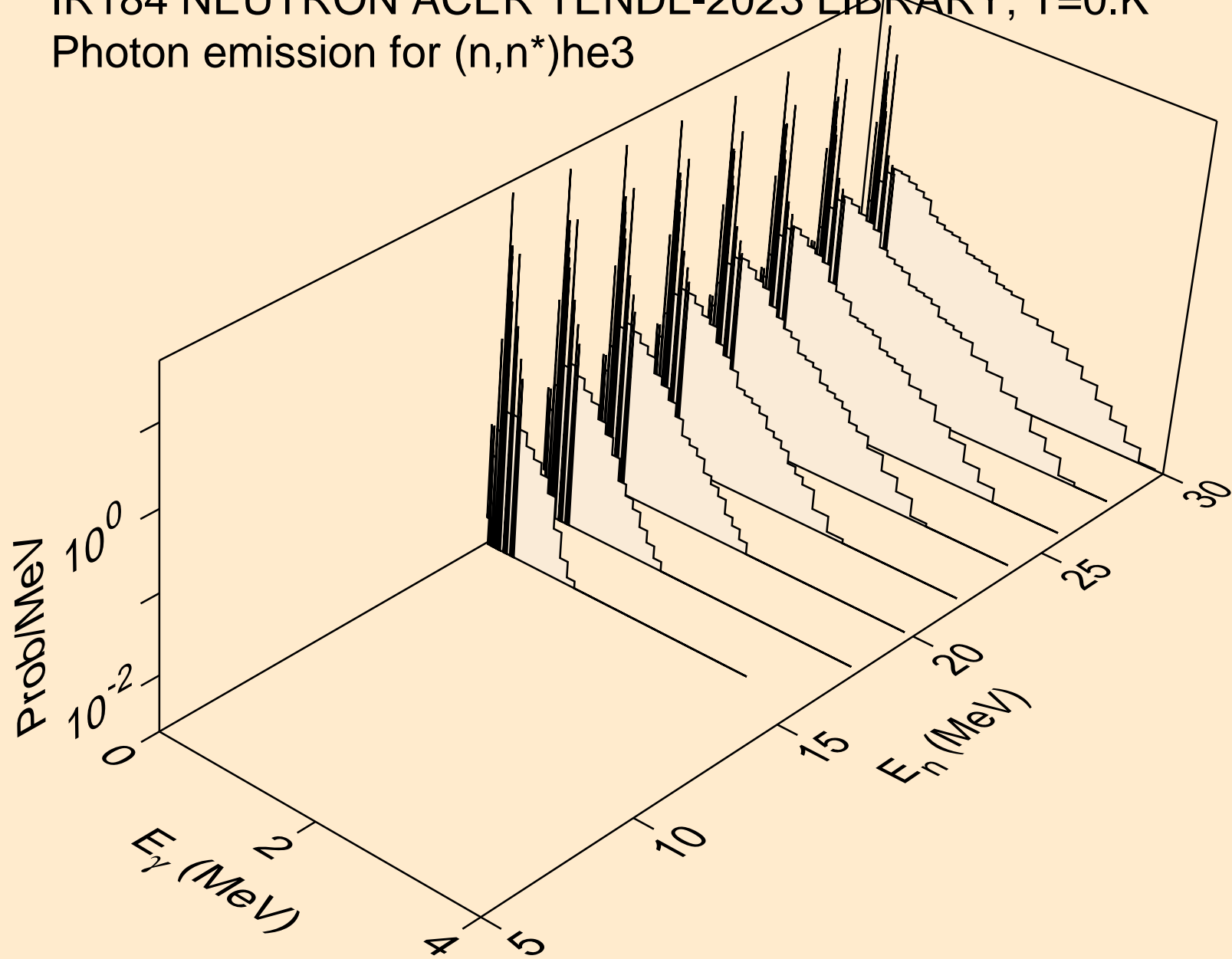
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



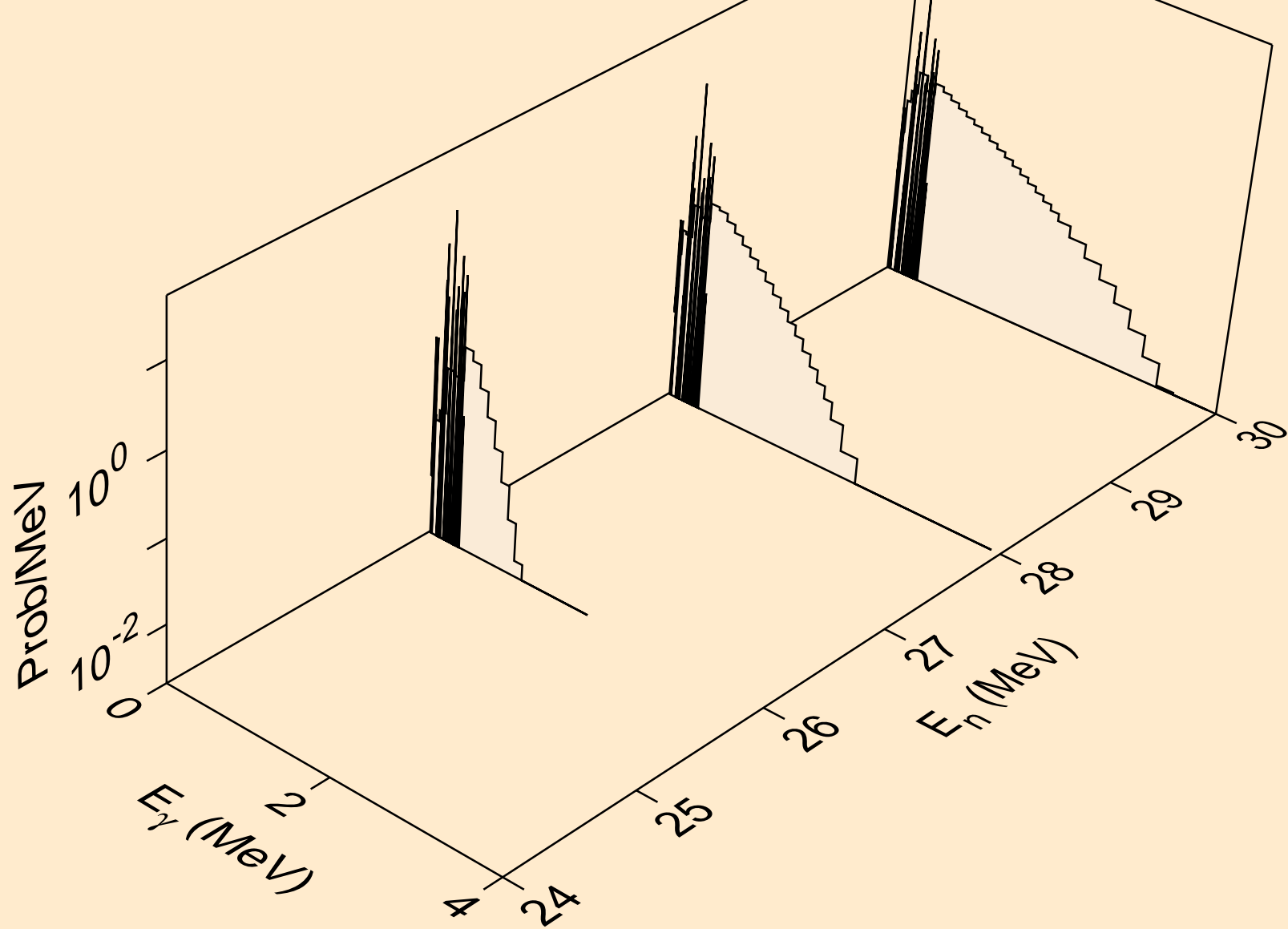
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



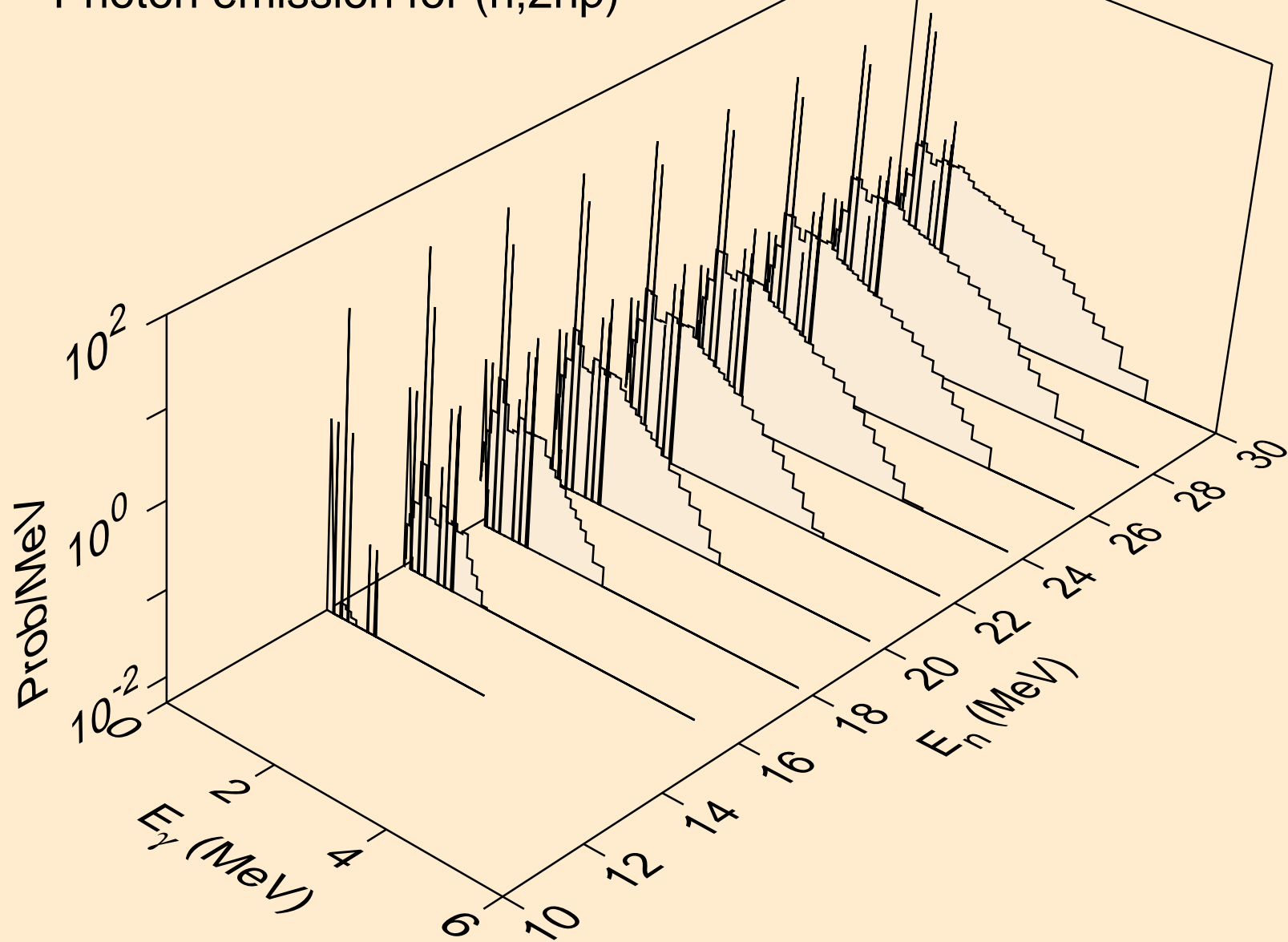
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



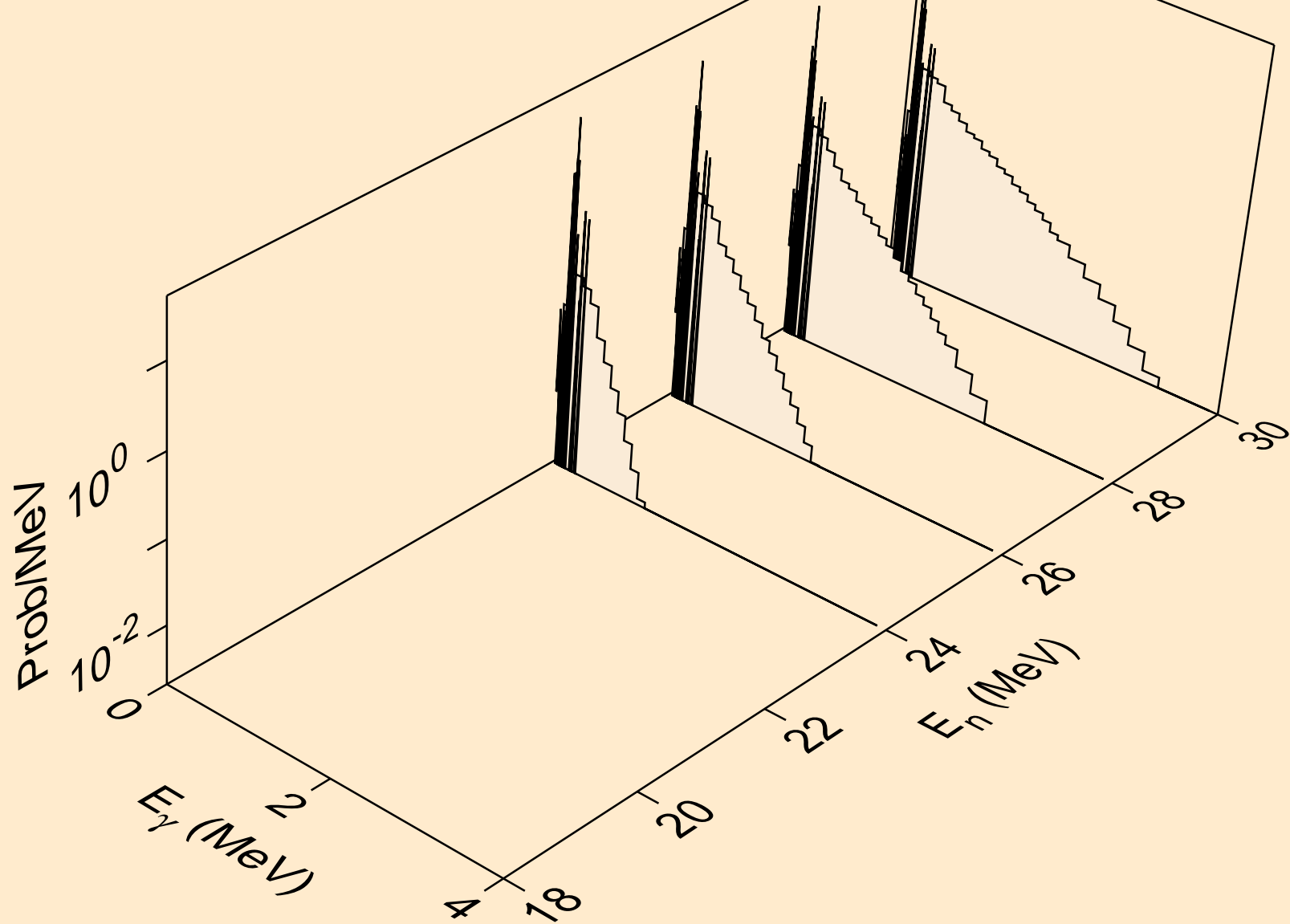
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,4n)



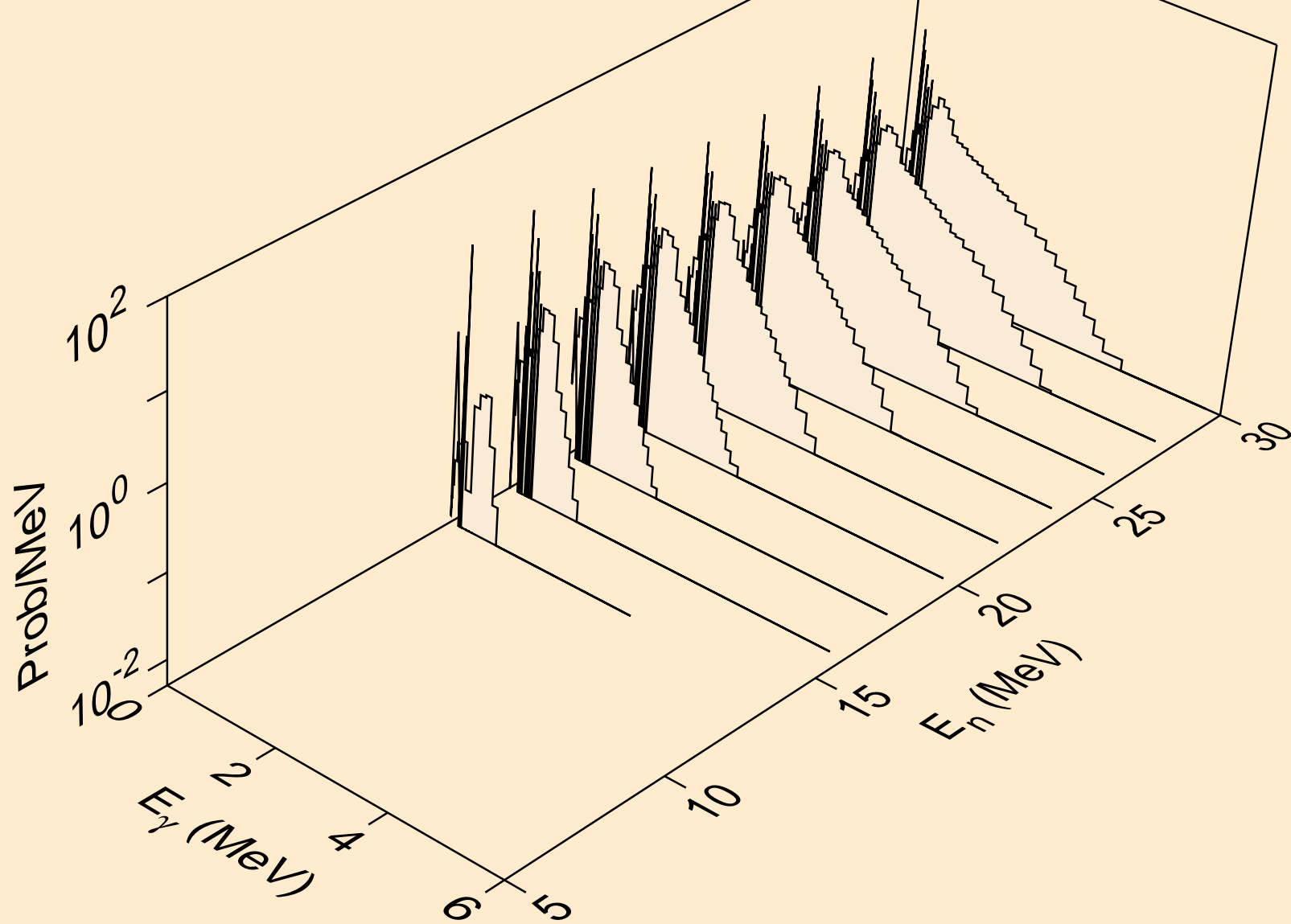
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)



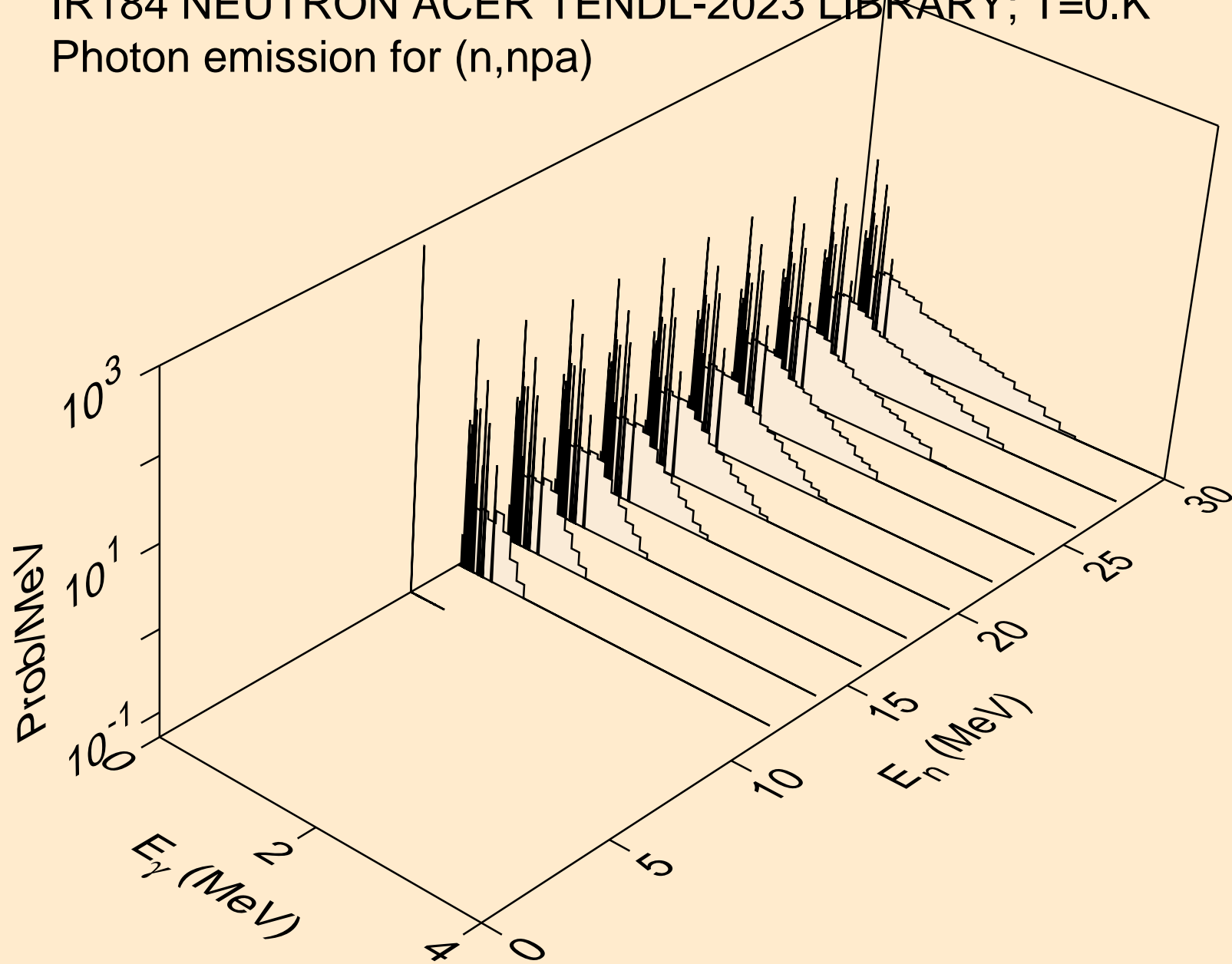
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3np)



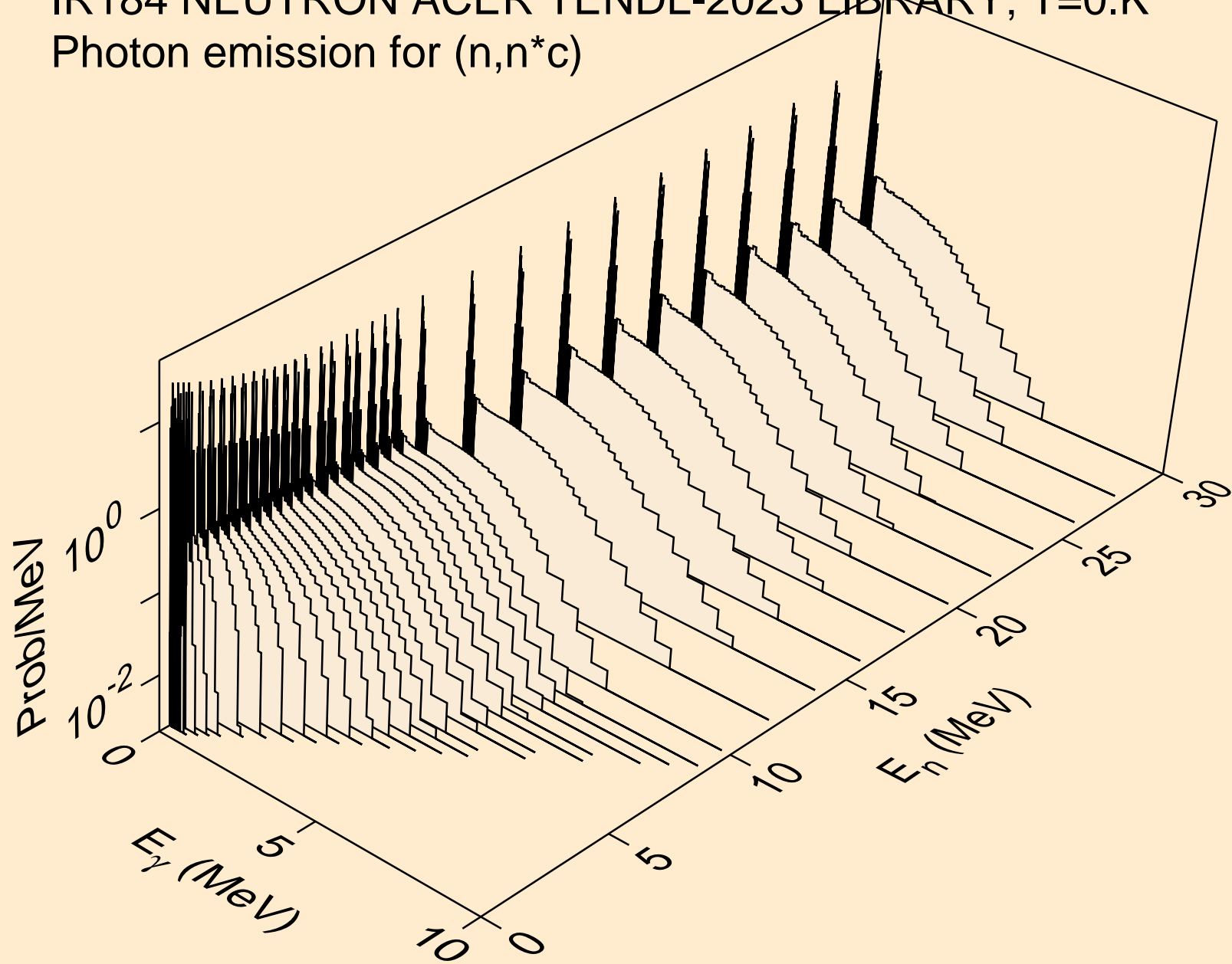
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)



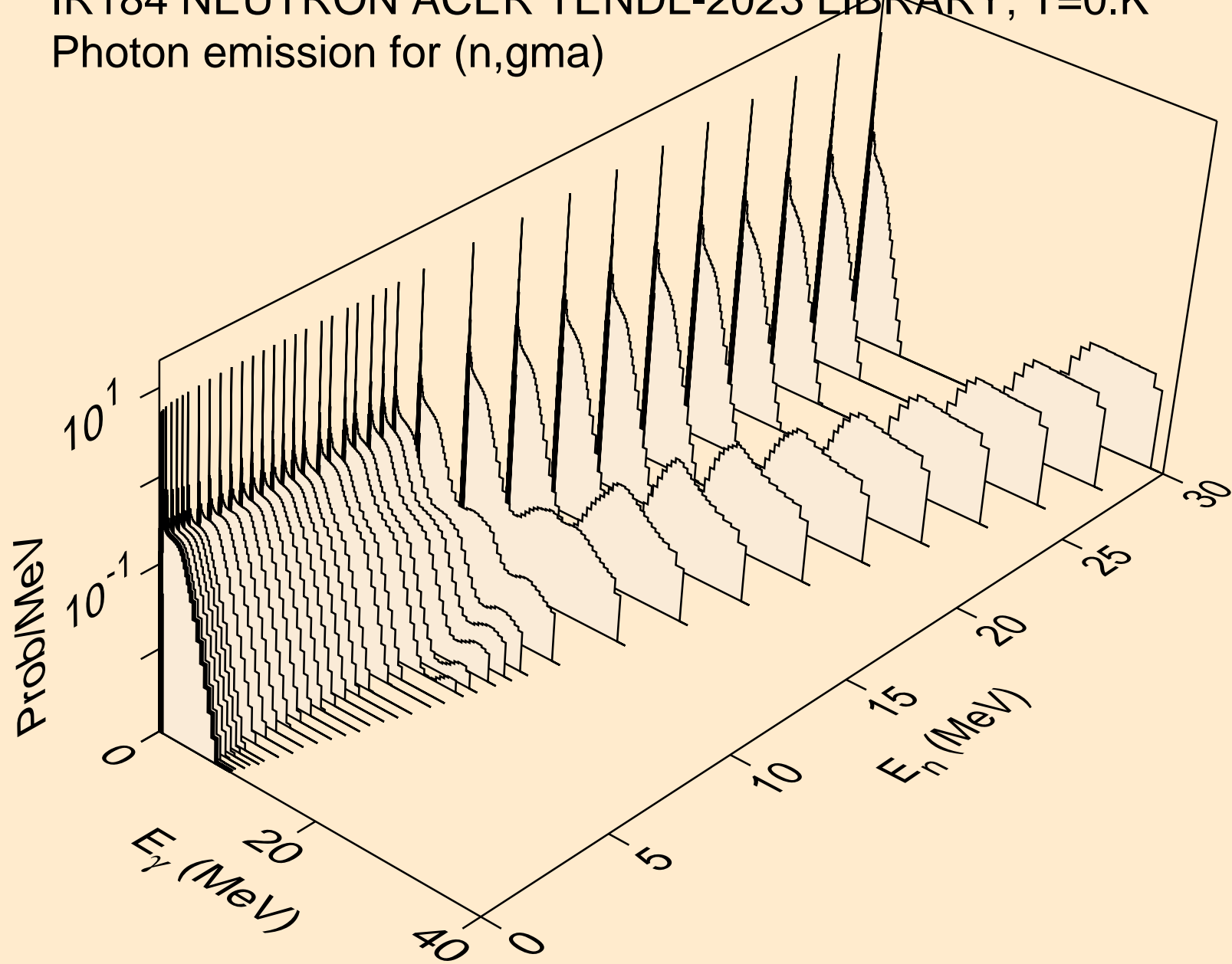
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,npa)



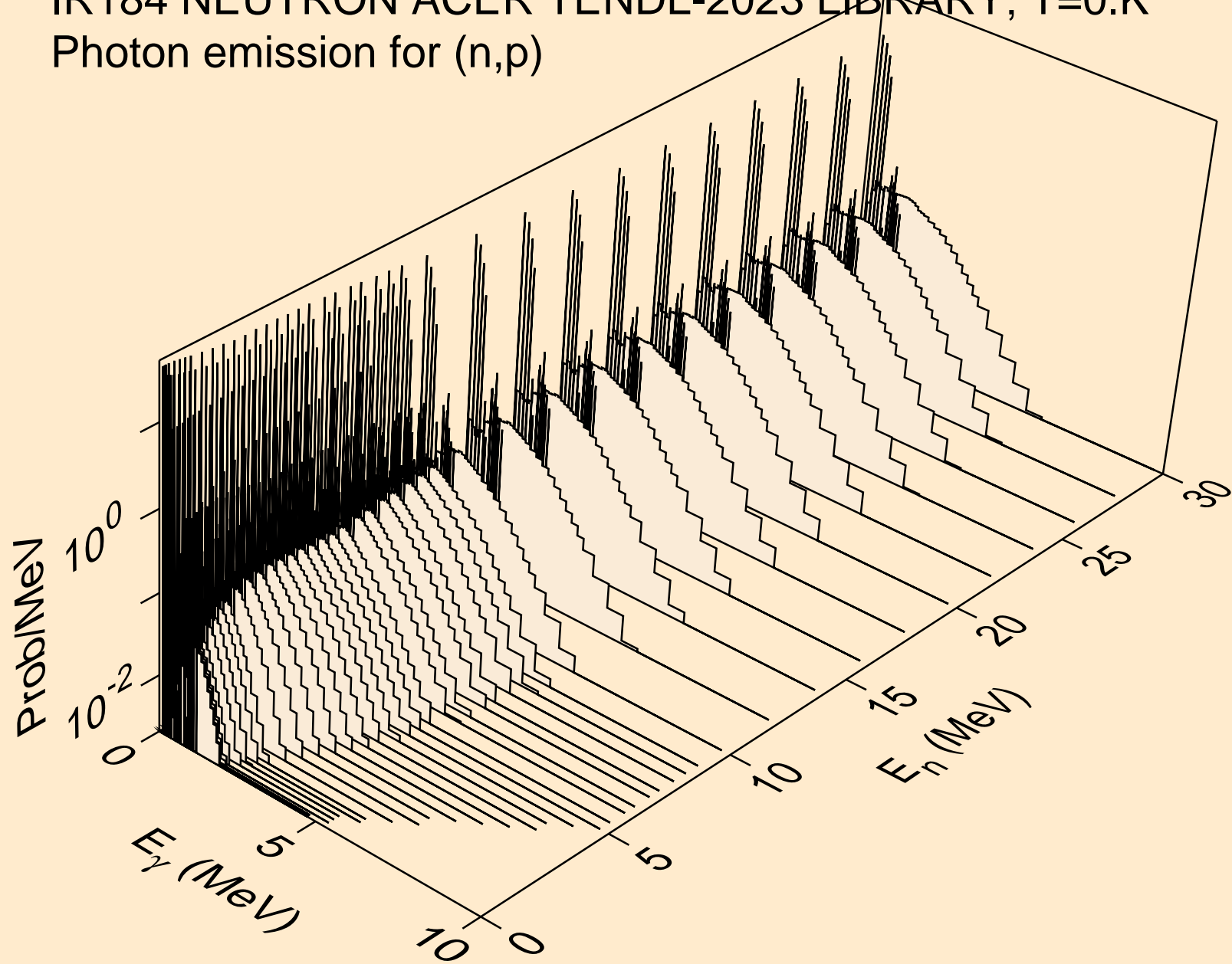
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*c)



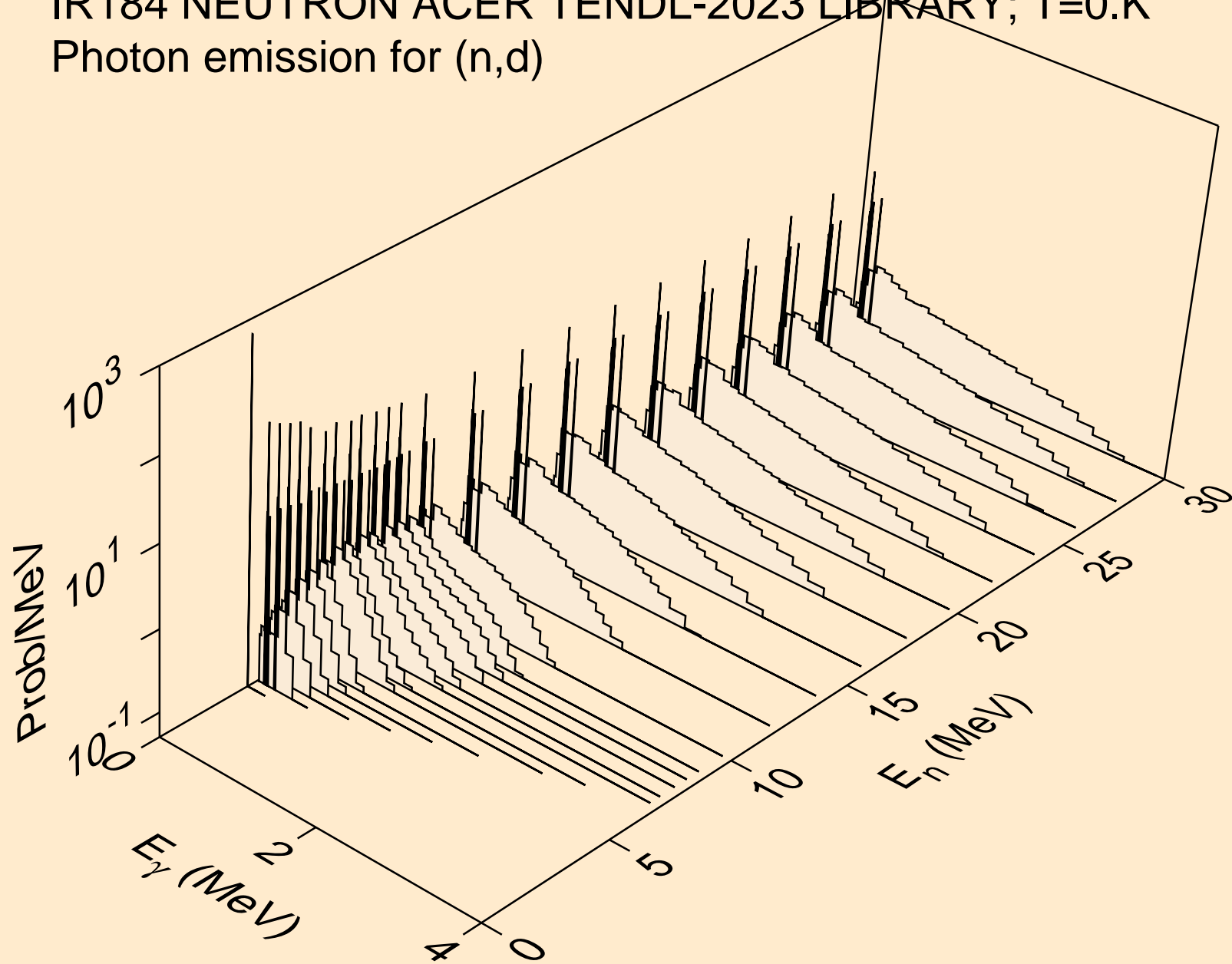
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)



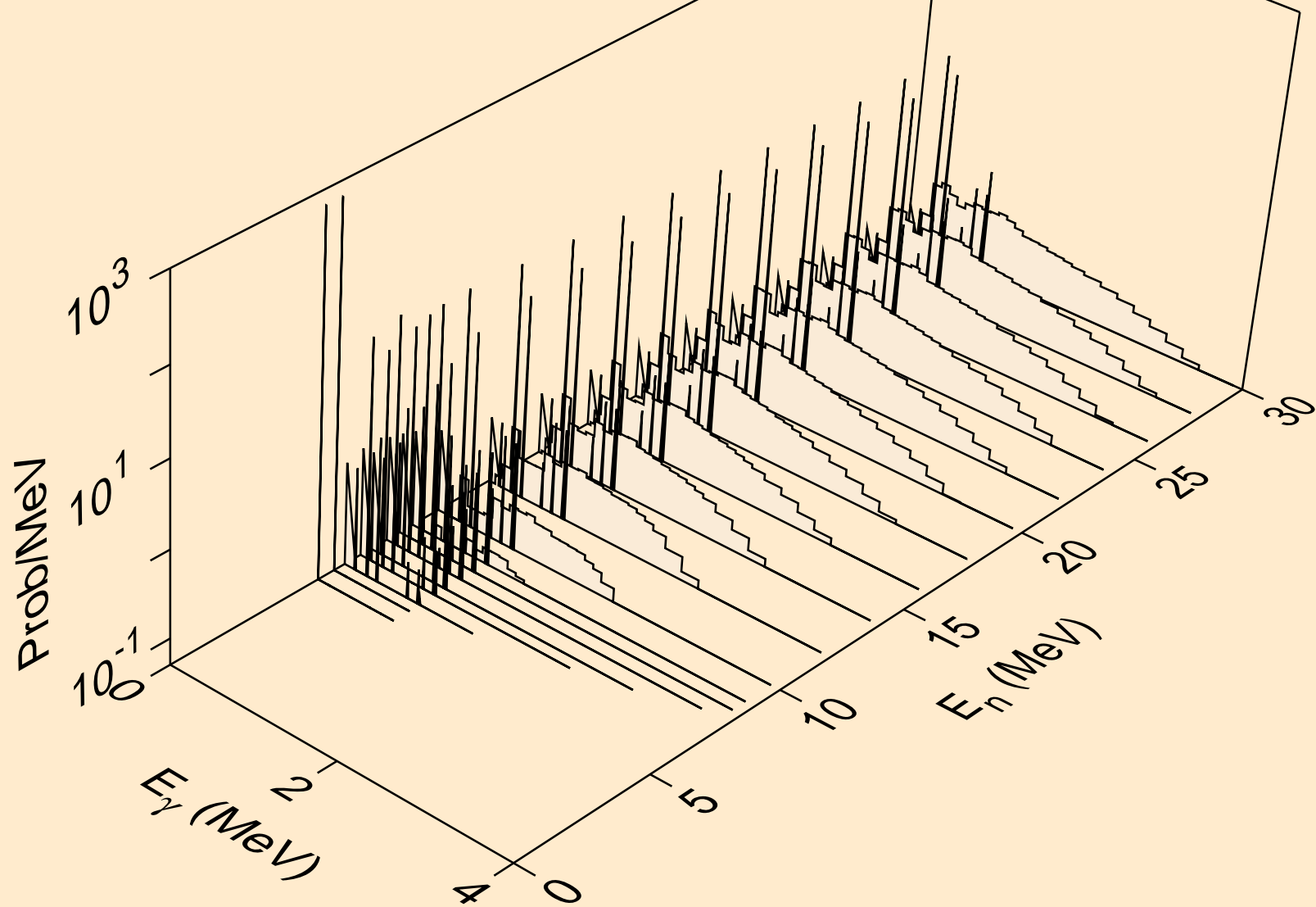
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)



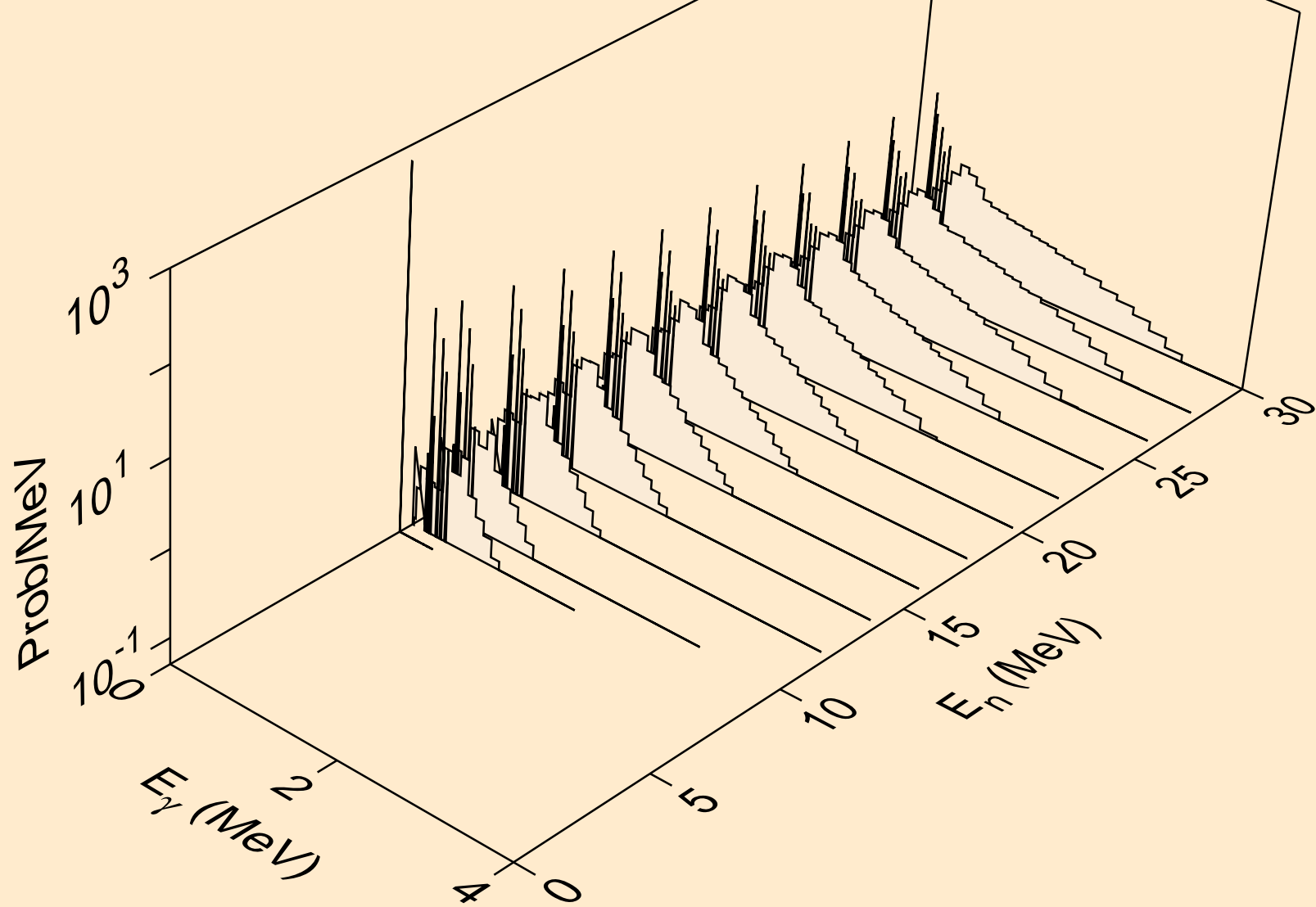
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)



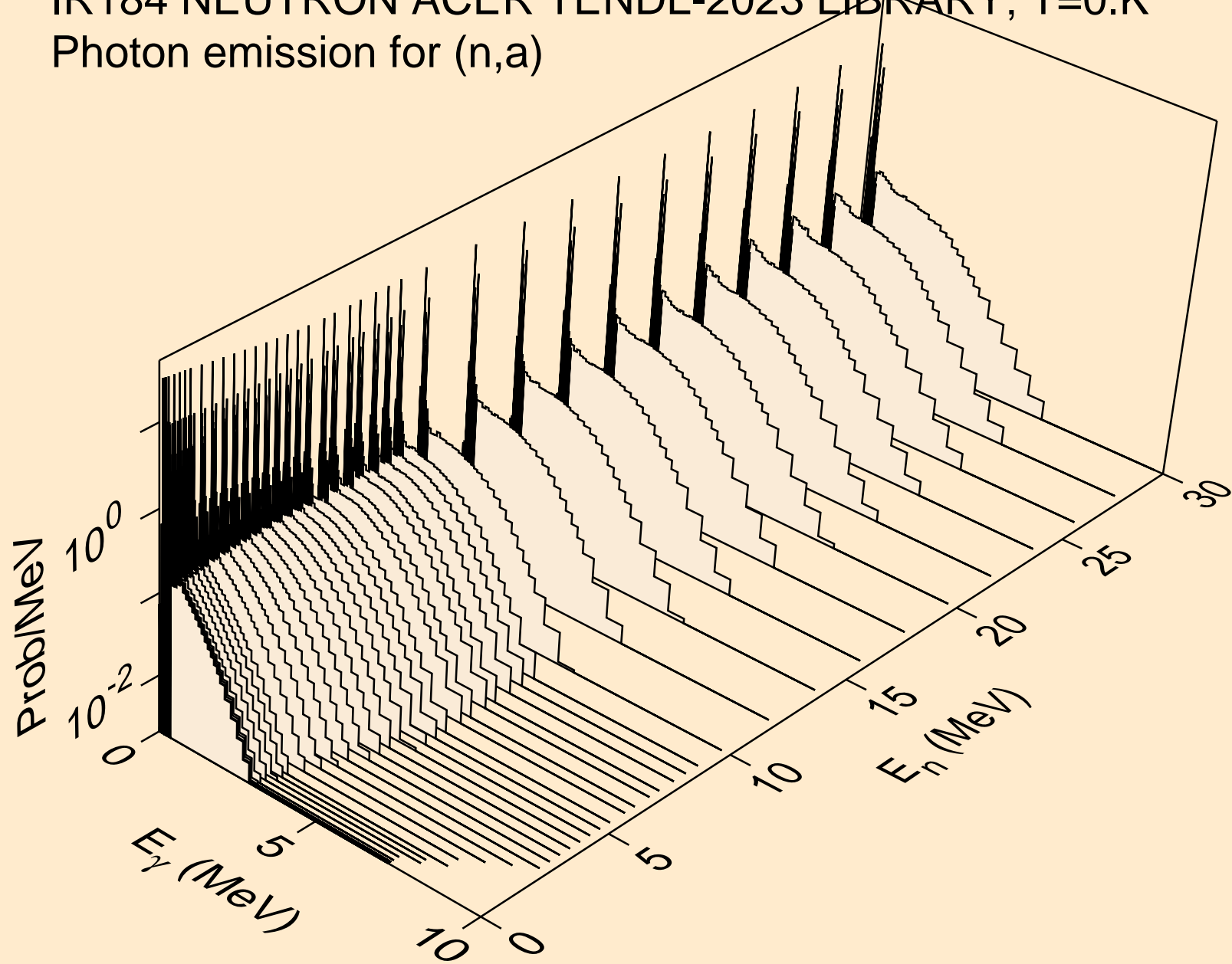
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)



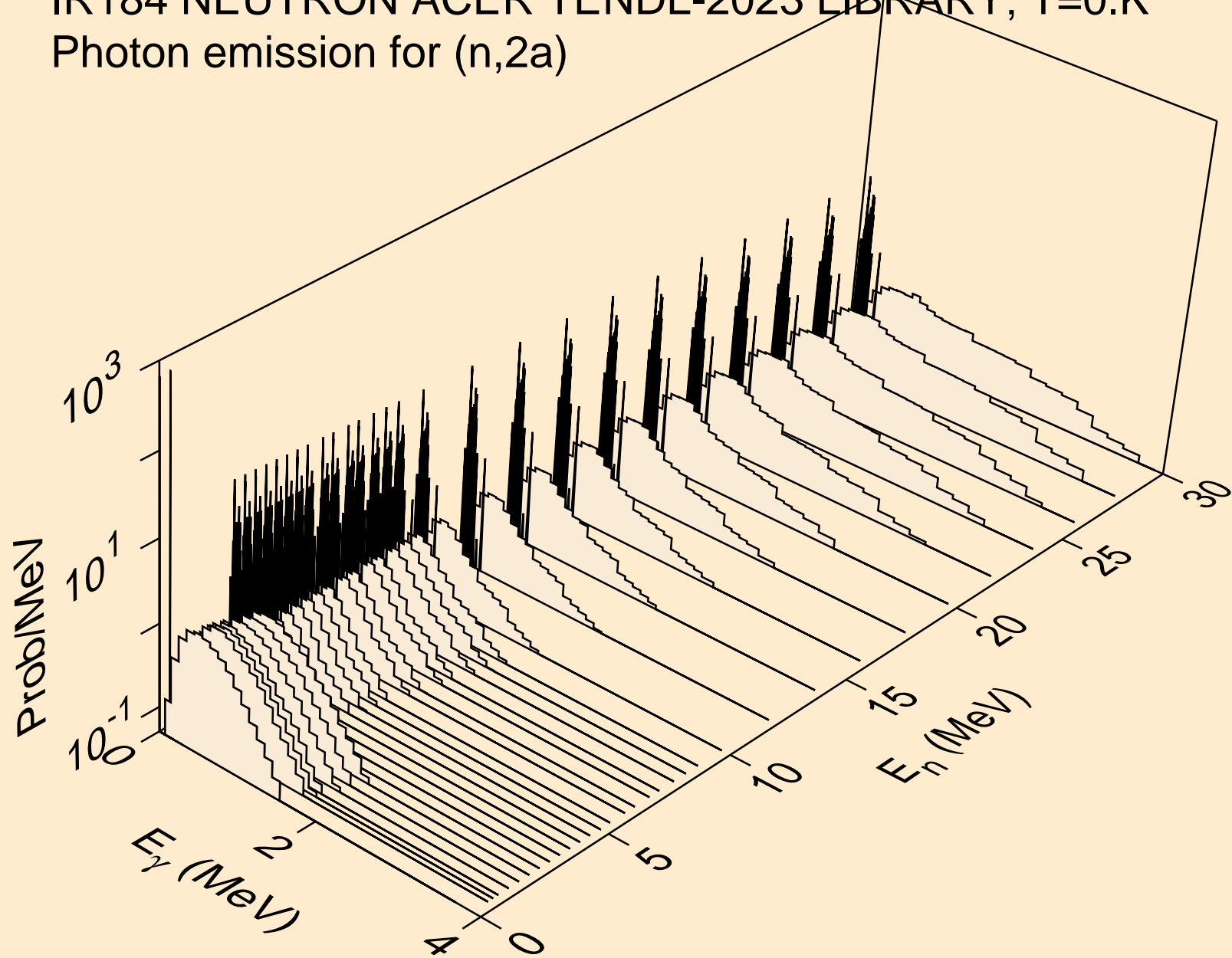
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)



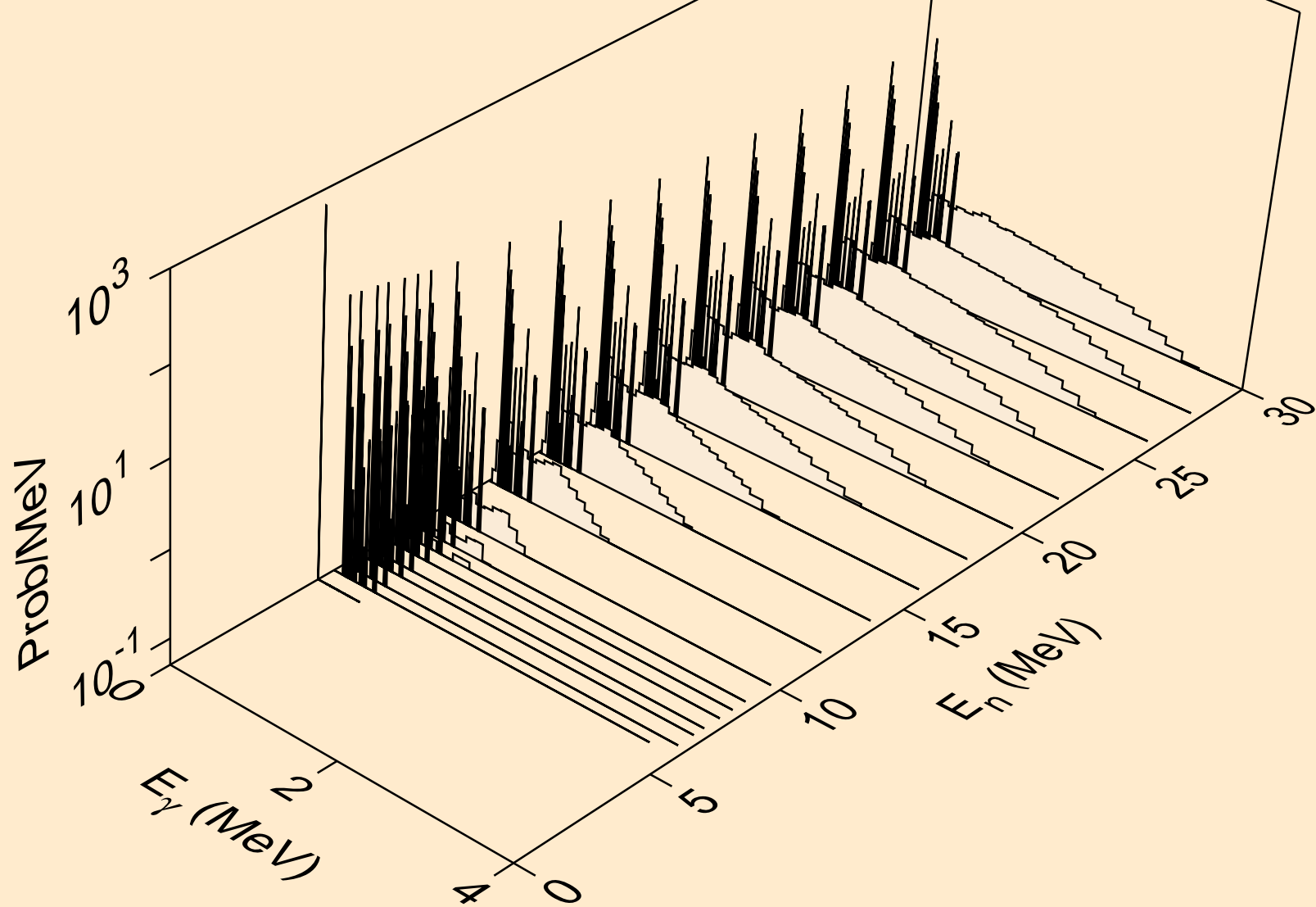
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)



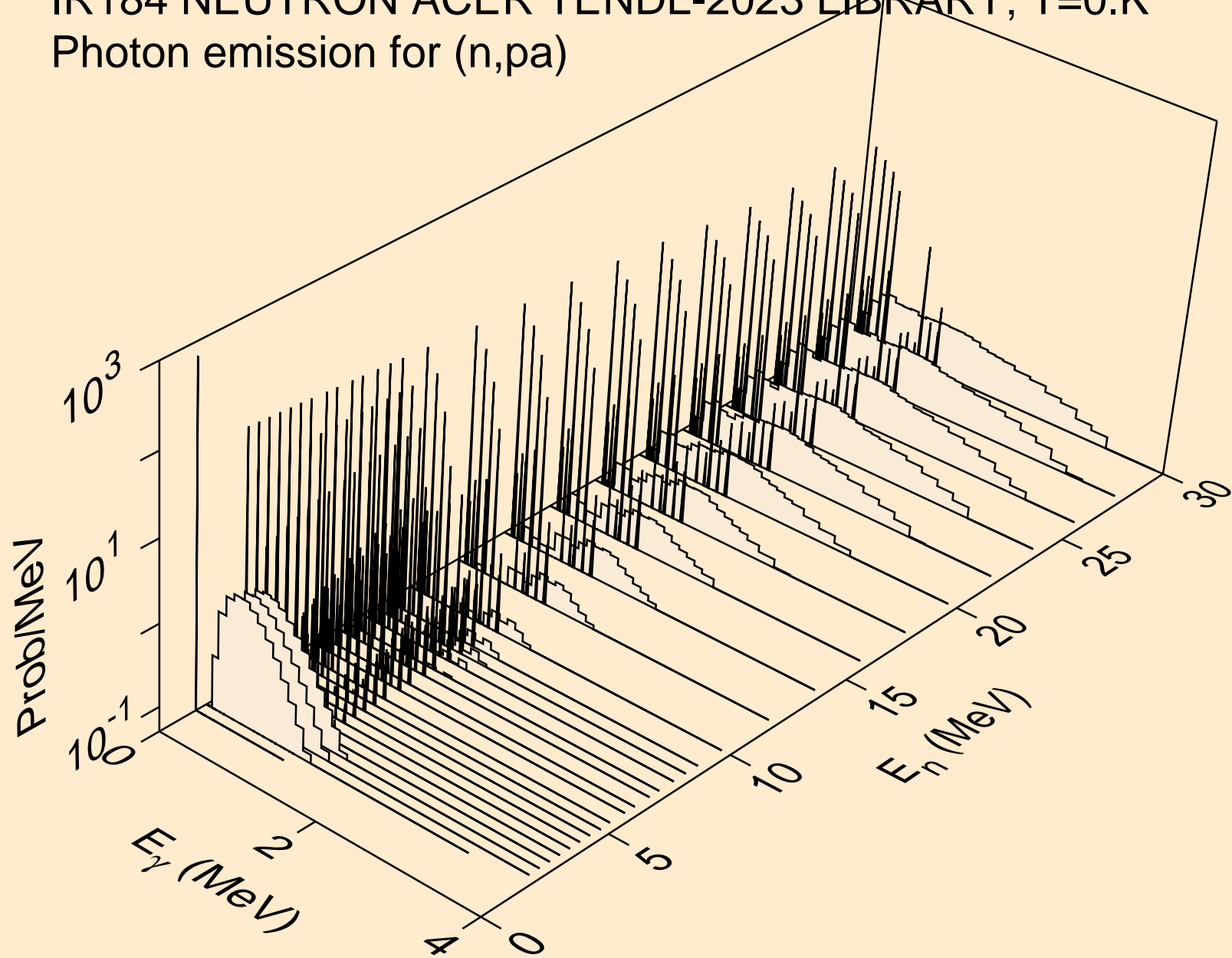
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2a)



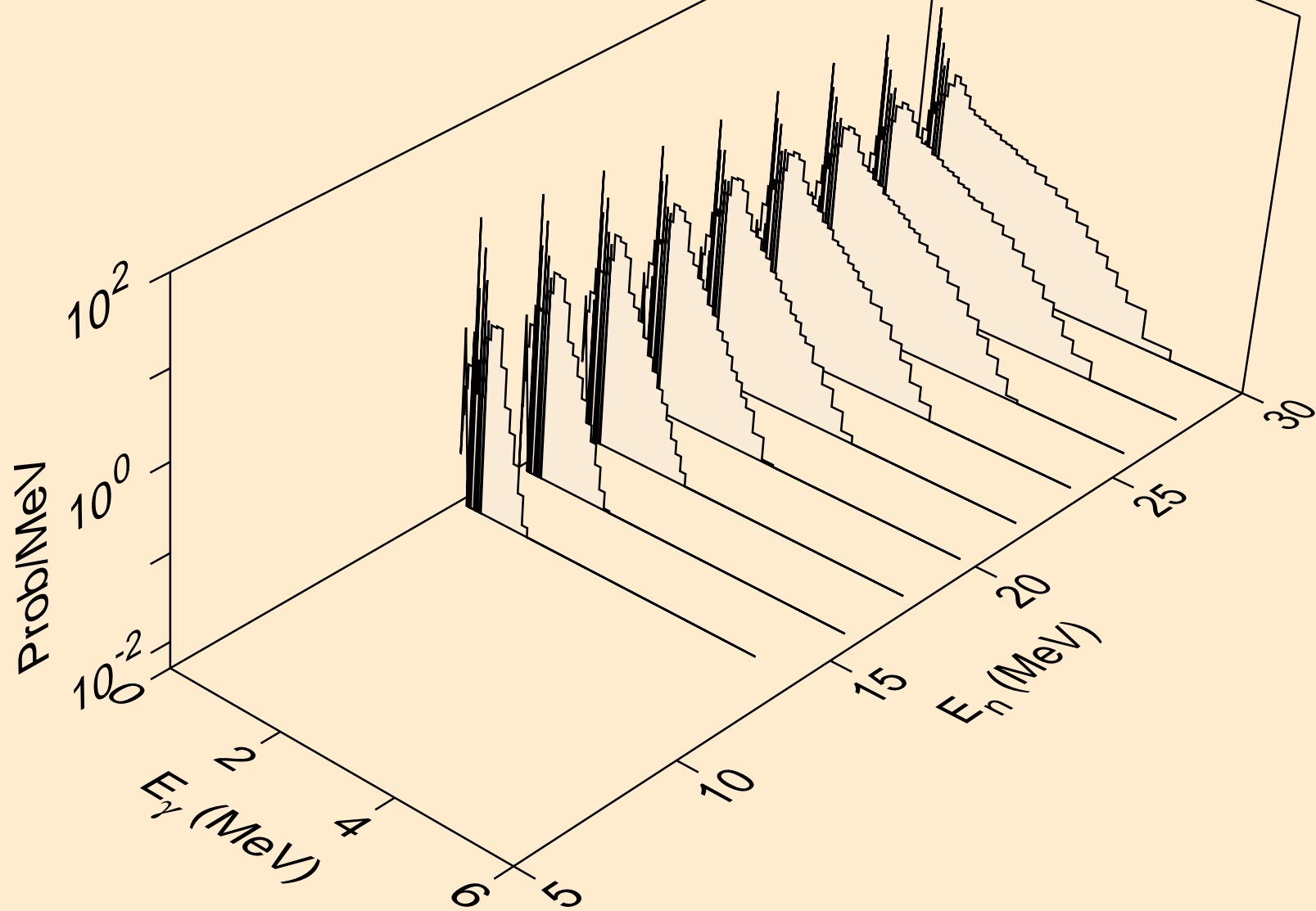
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)



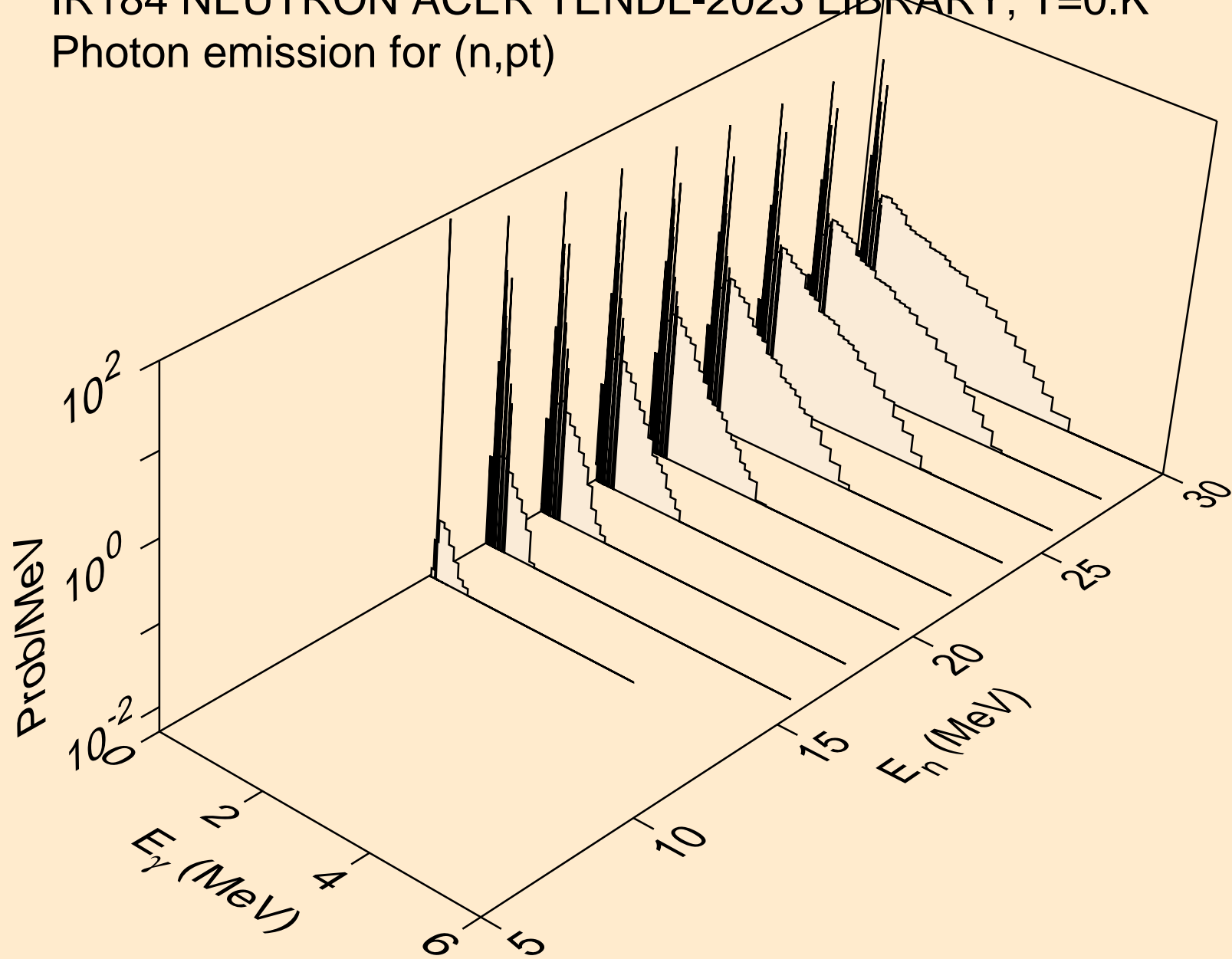
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)



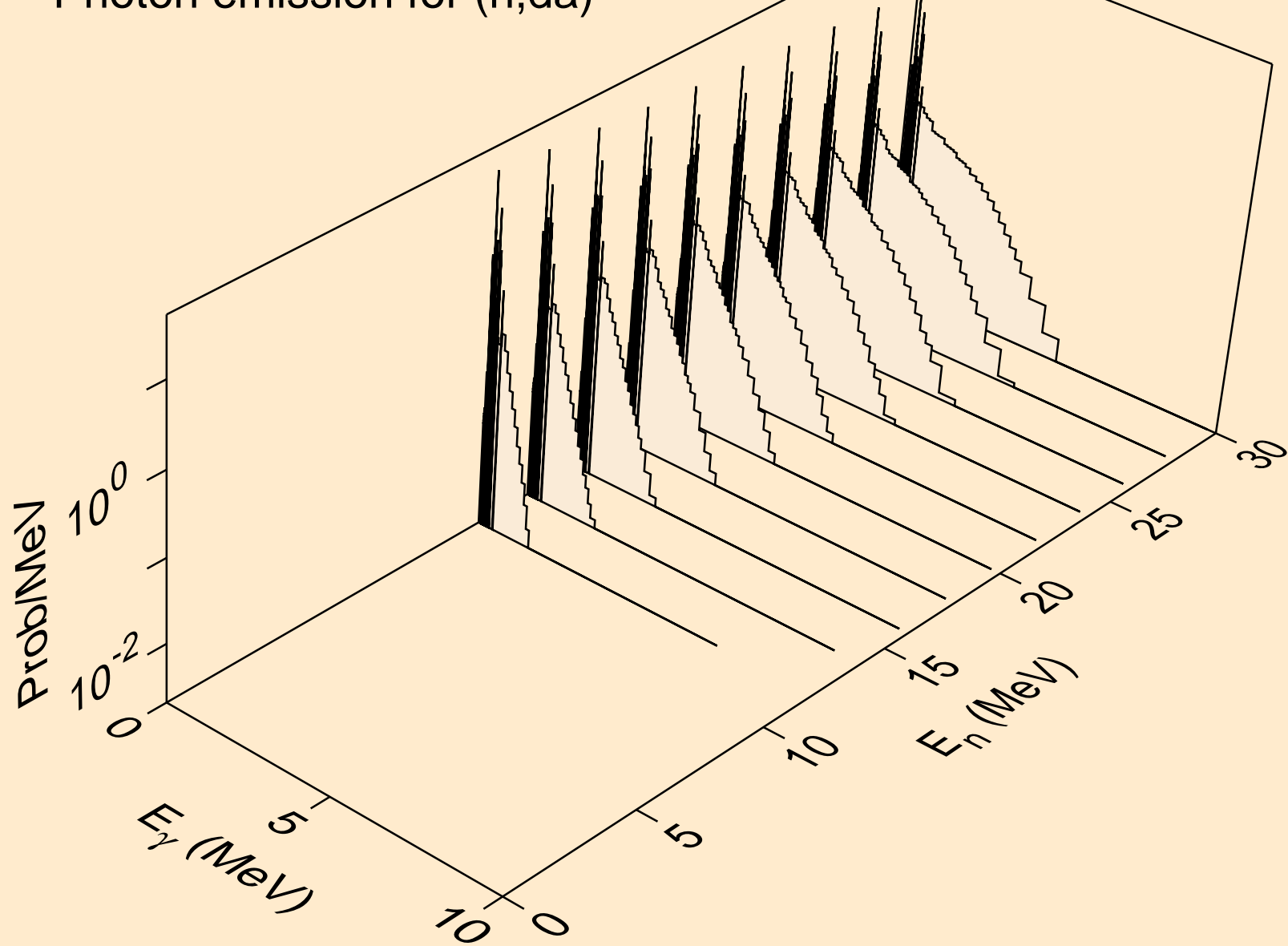
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)



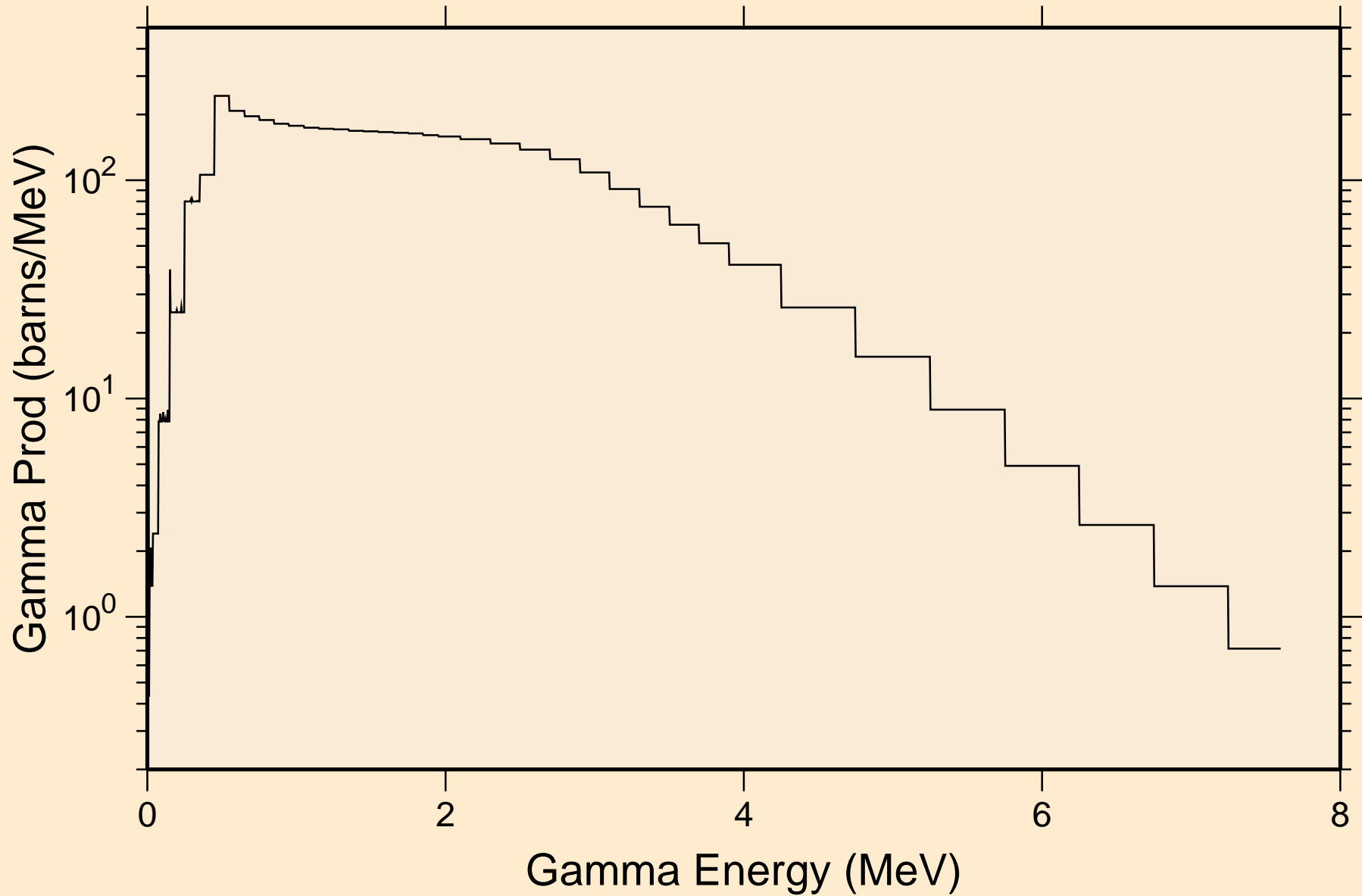
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)



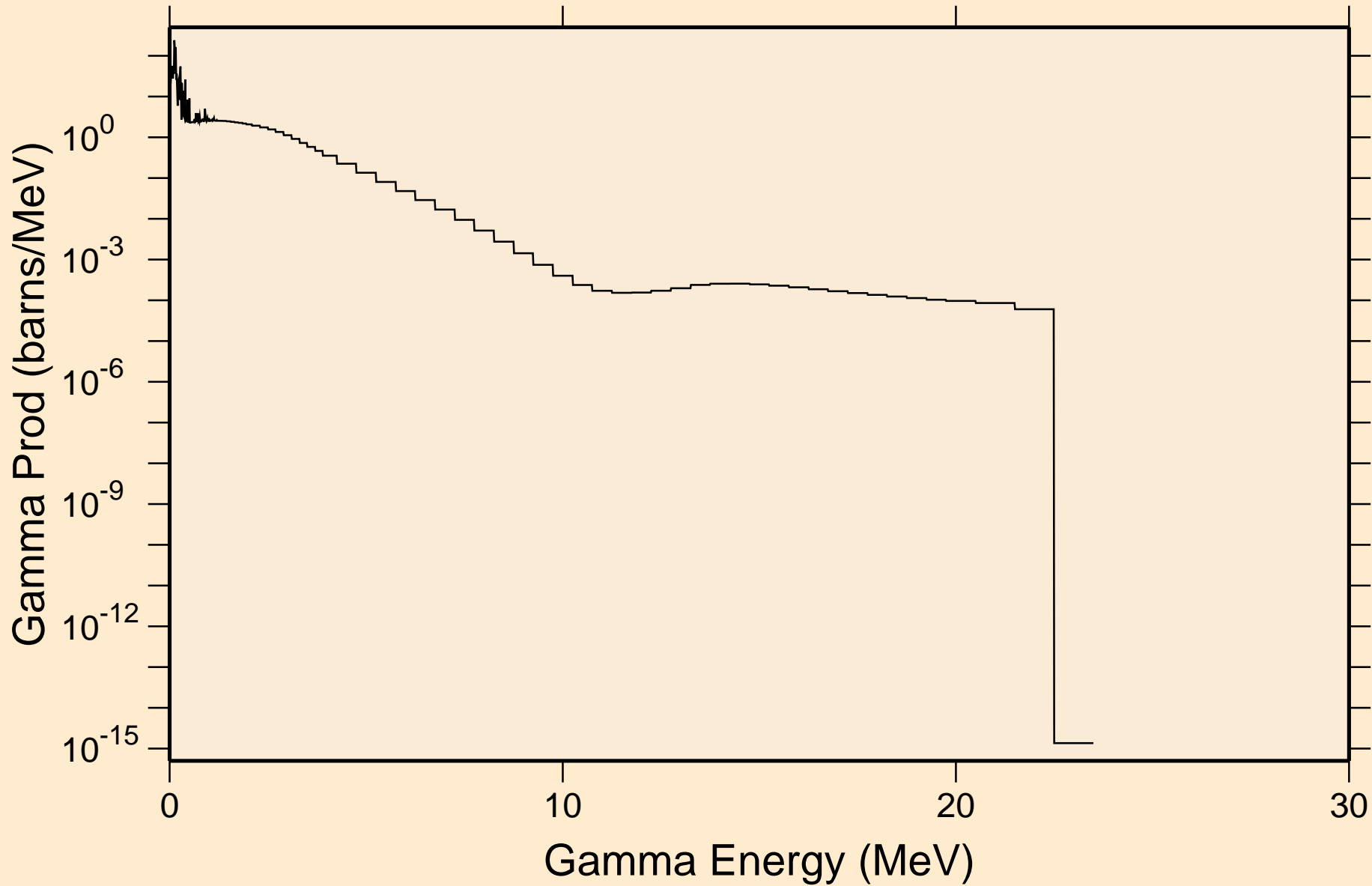
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)



IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
thermal capture photon spectrum

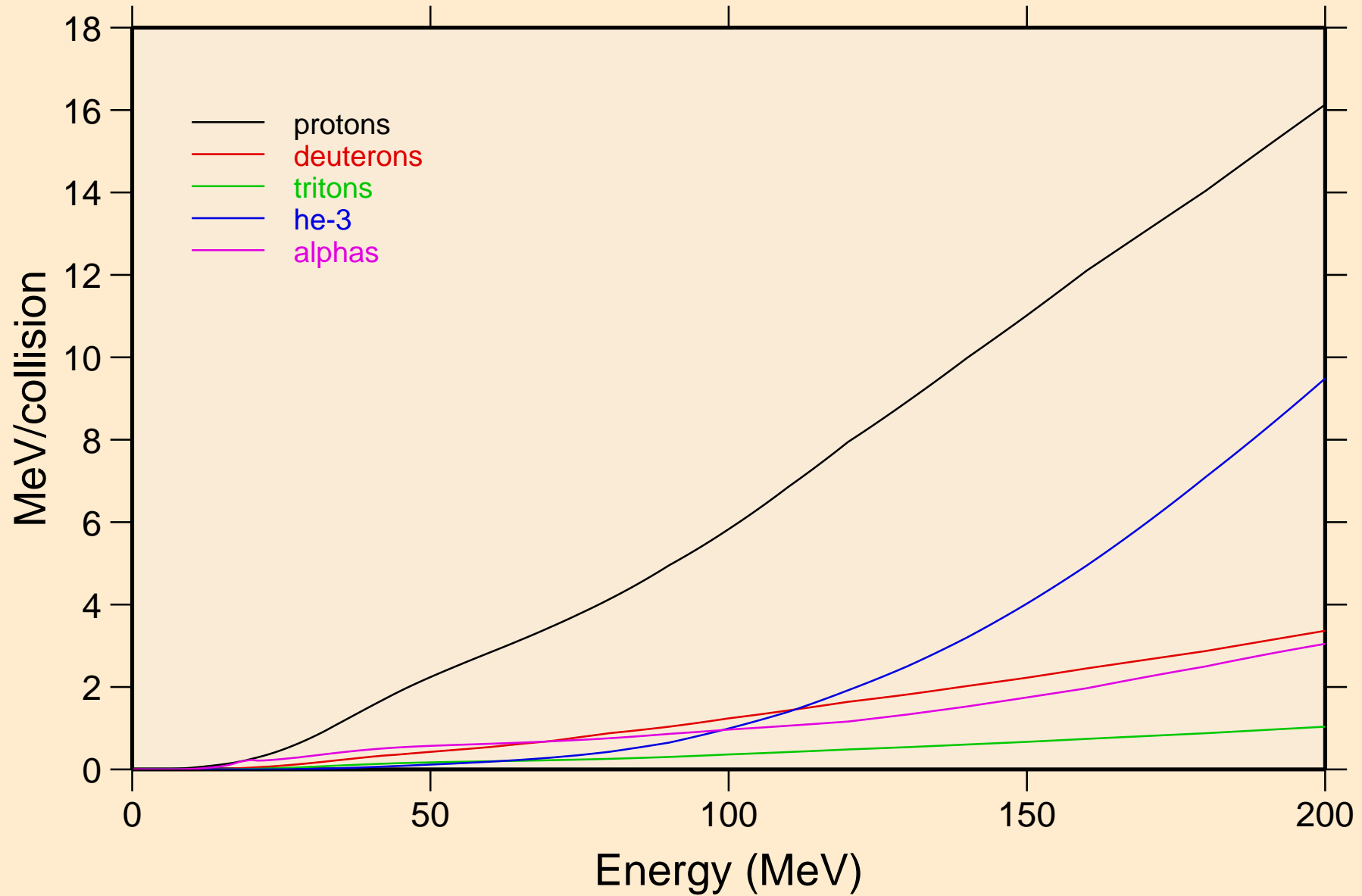


IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
14 MeV photon spectrum



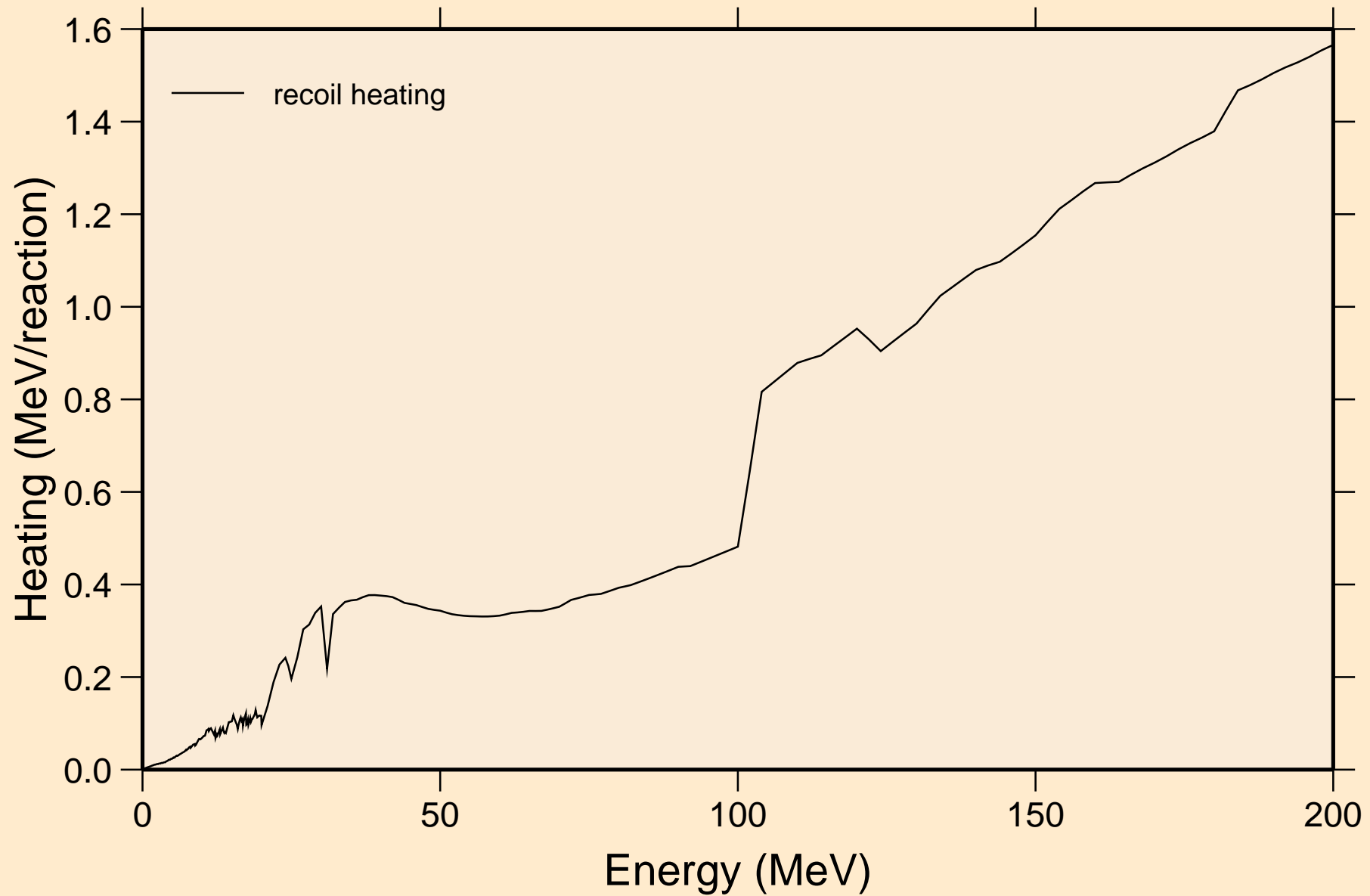
# IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Particle heating contributions

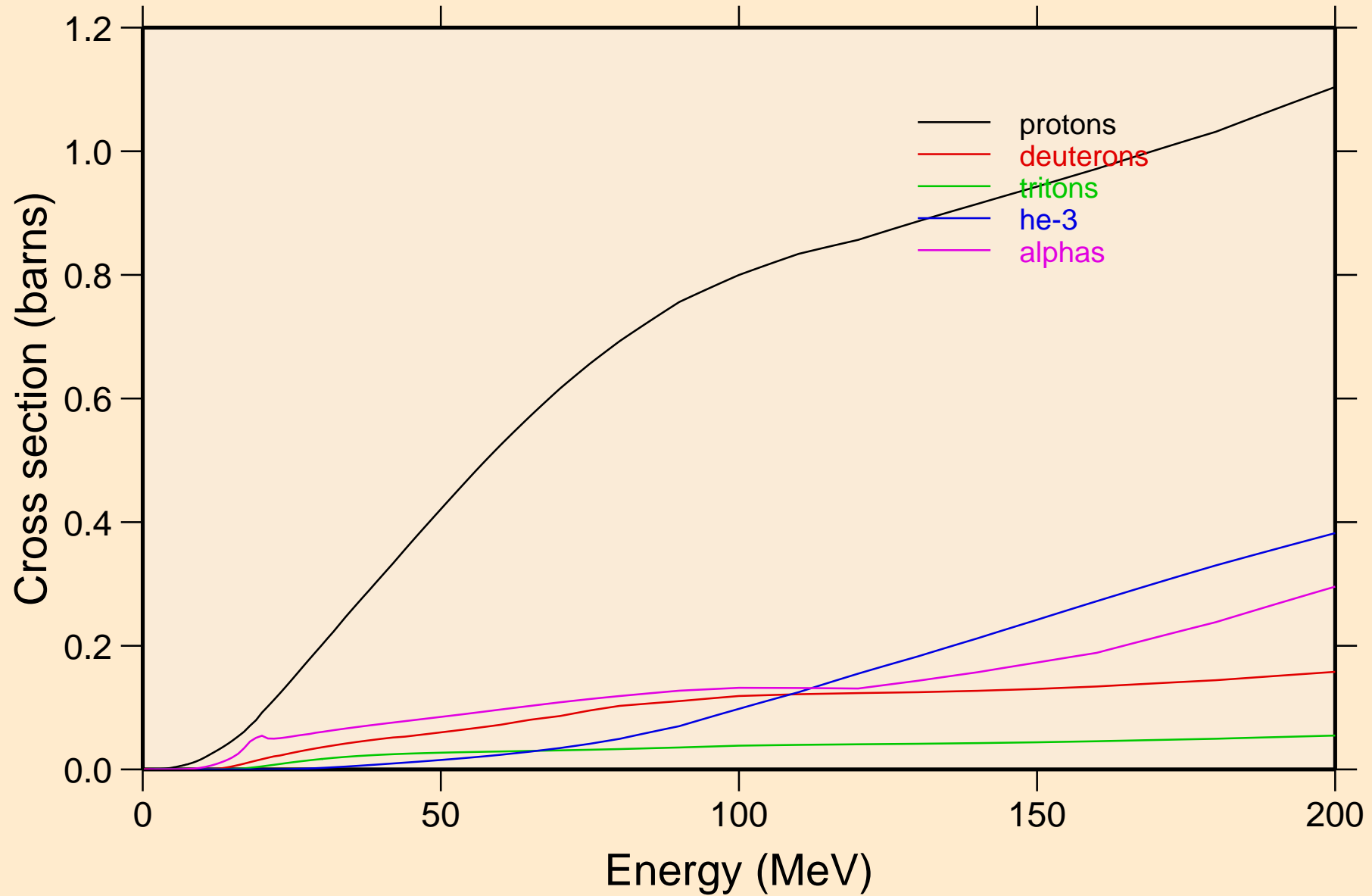


# IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

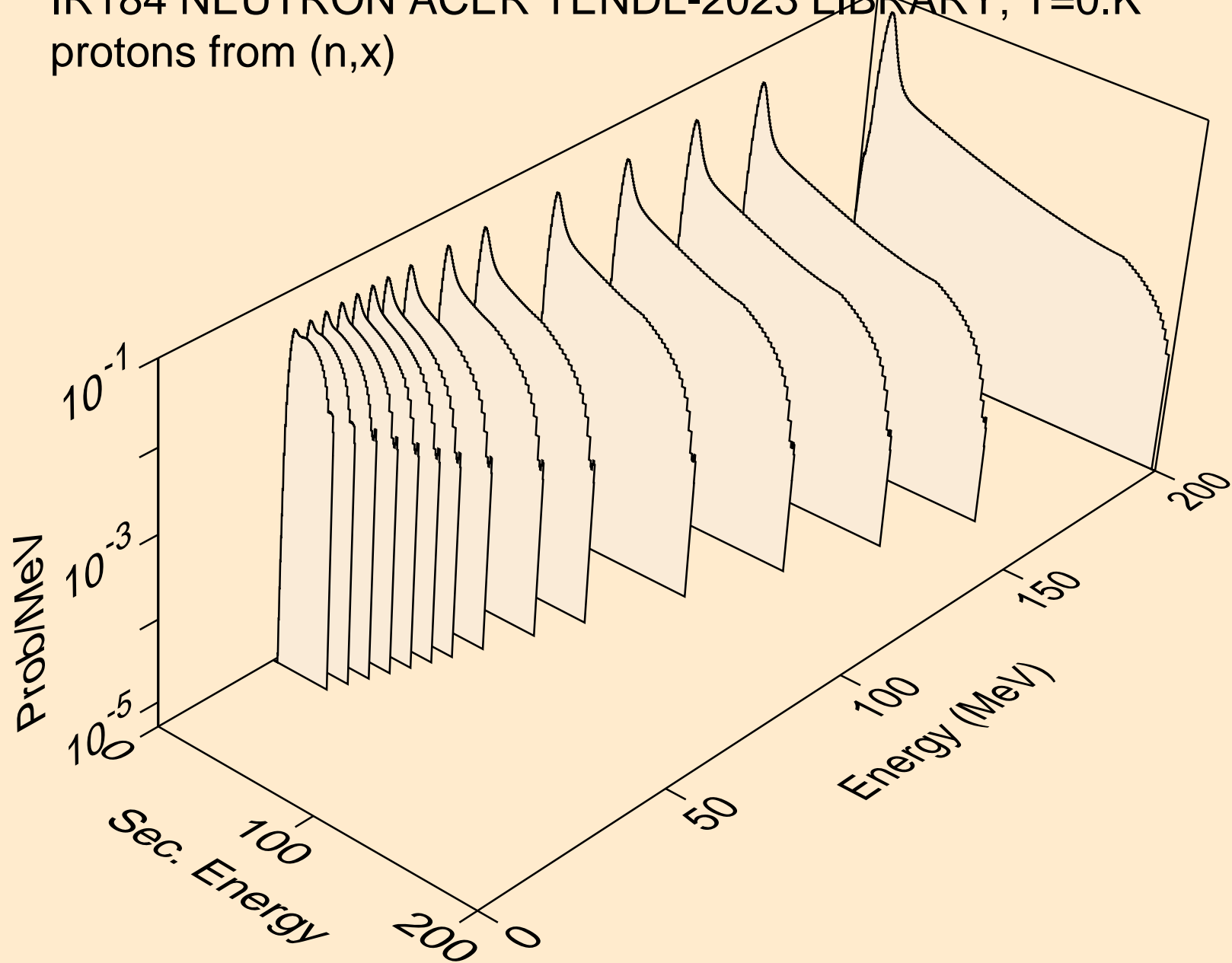
## Recoil Heating



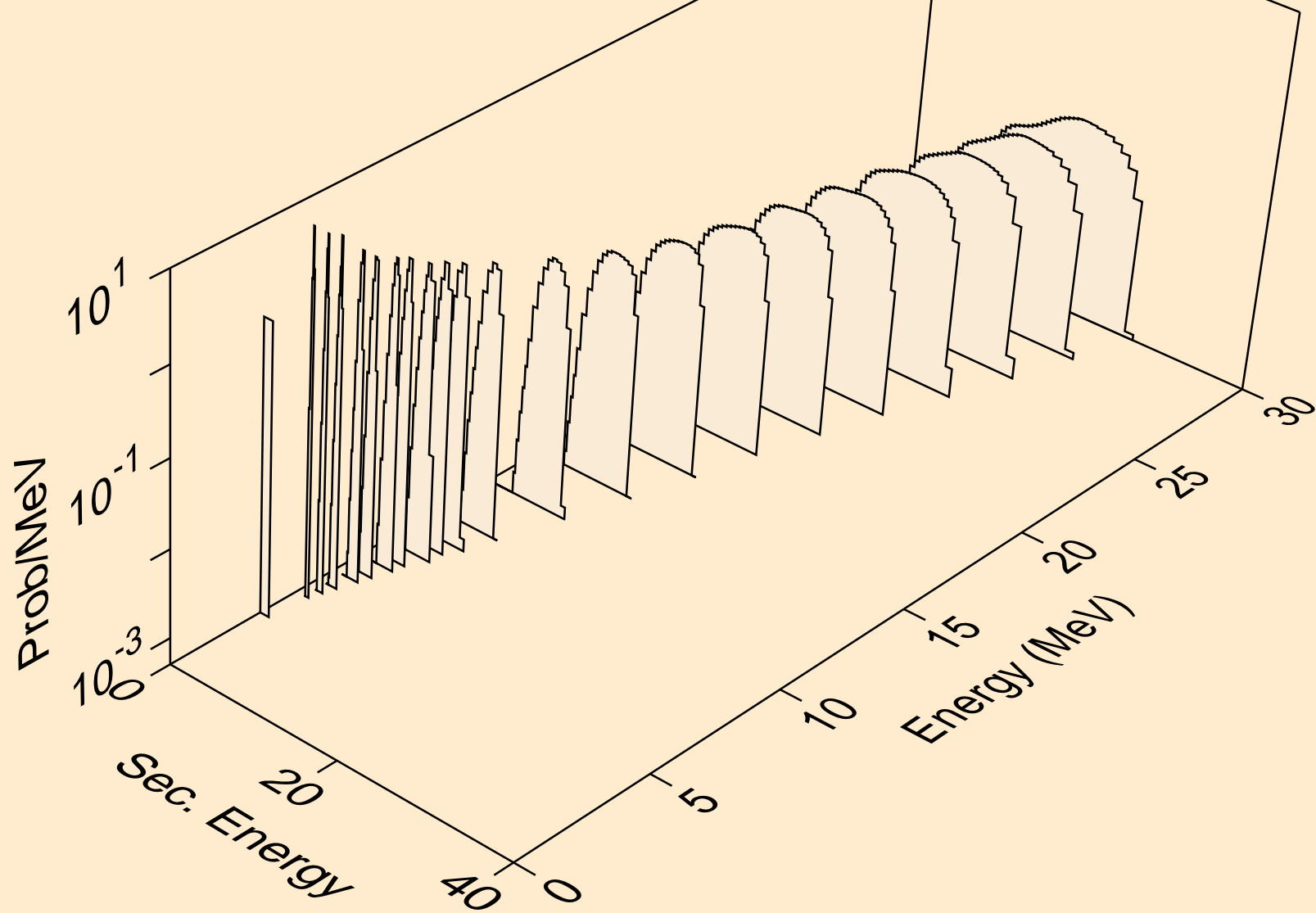
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Particle production cross sections



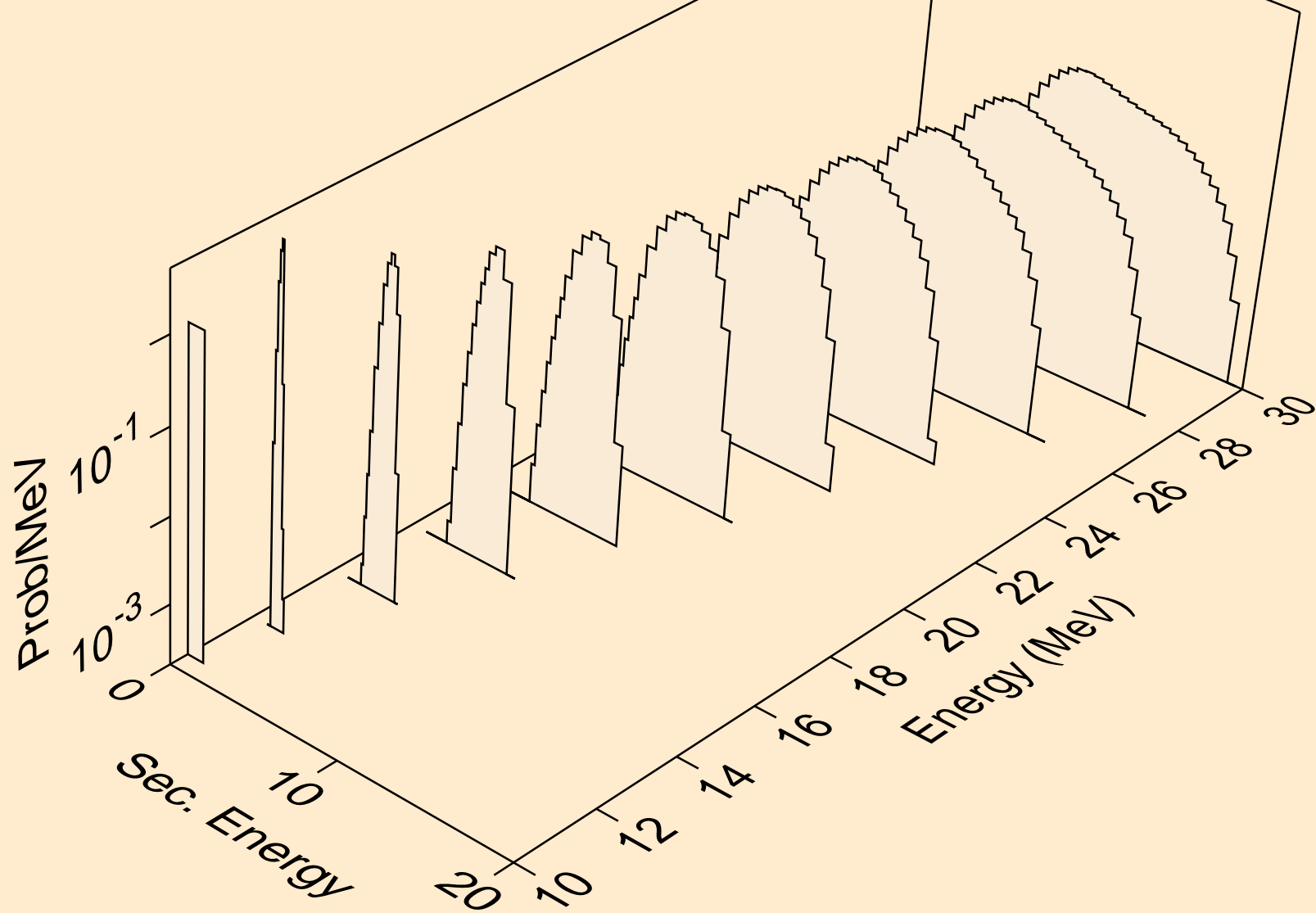
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,x)



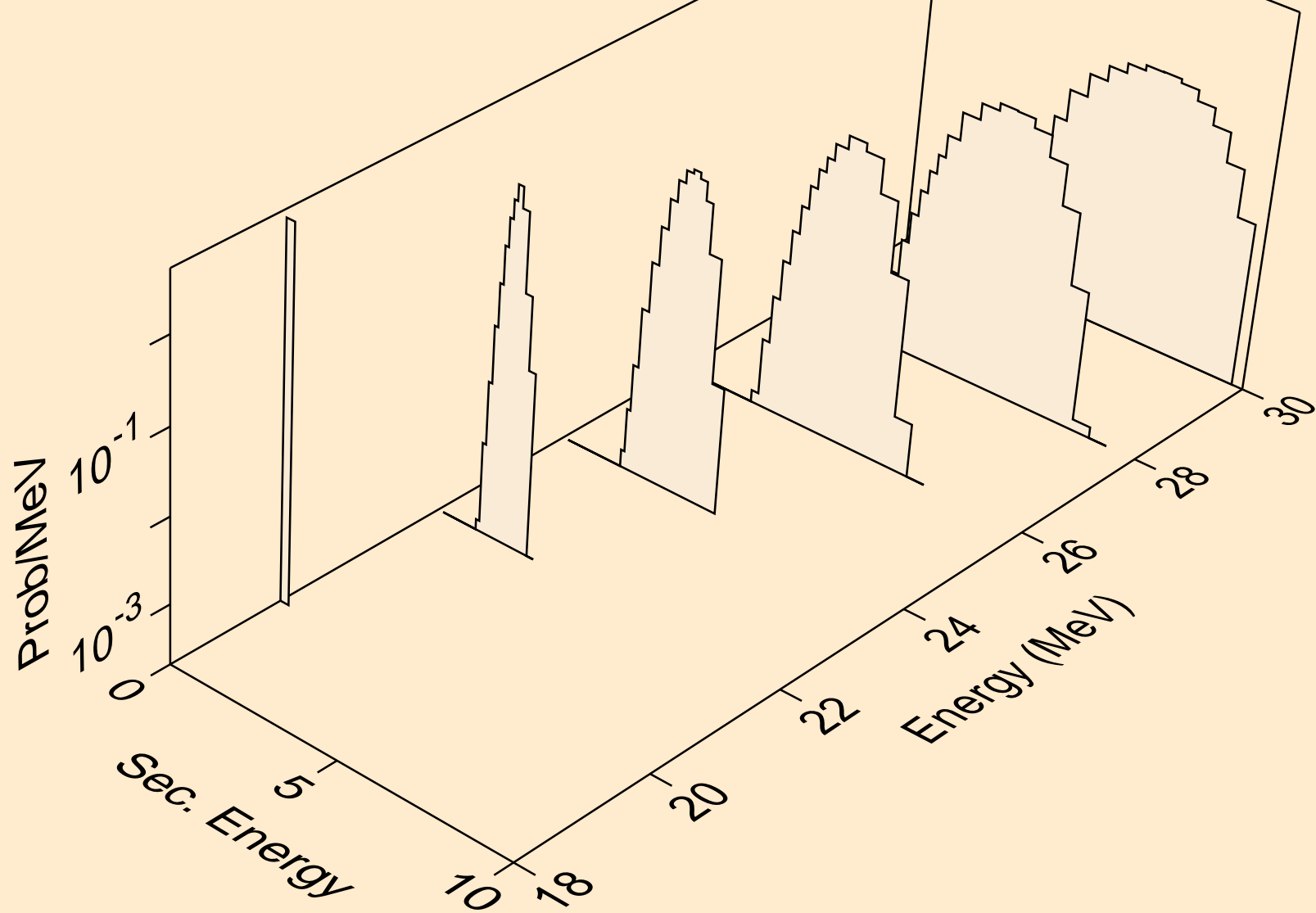
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n\*)p



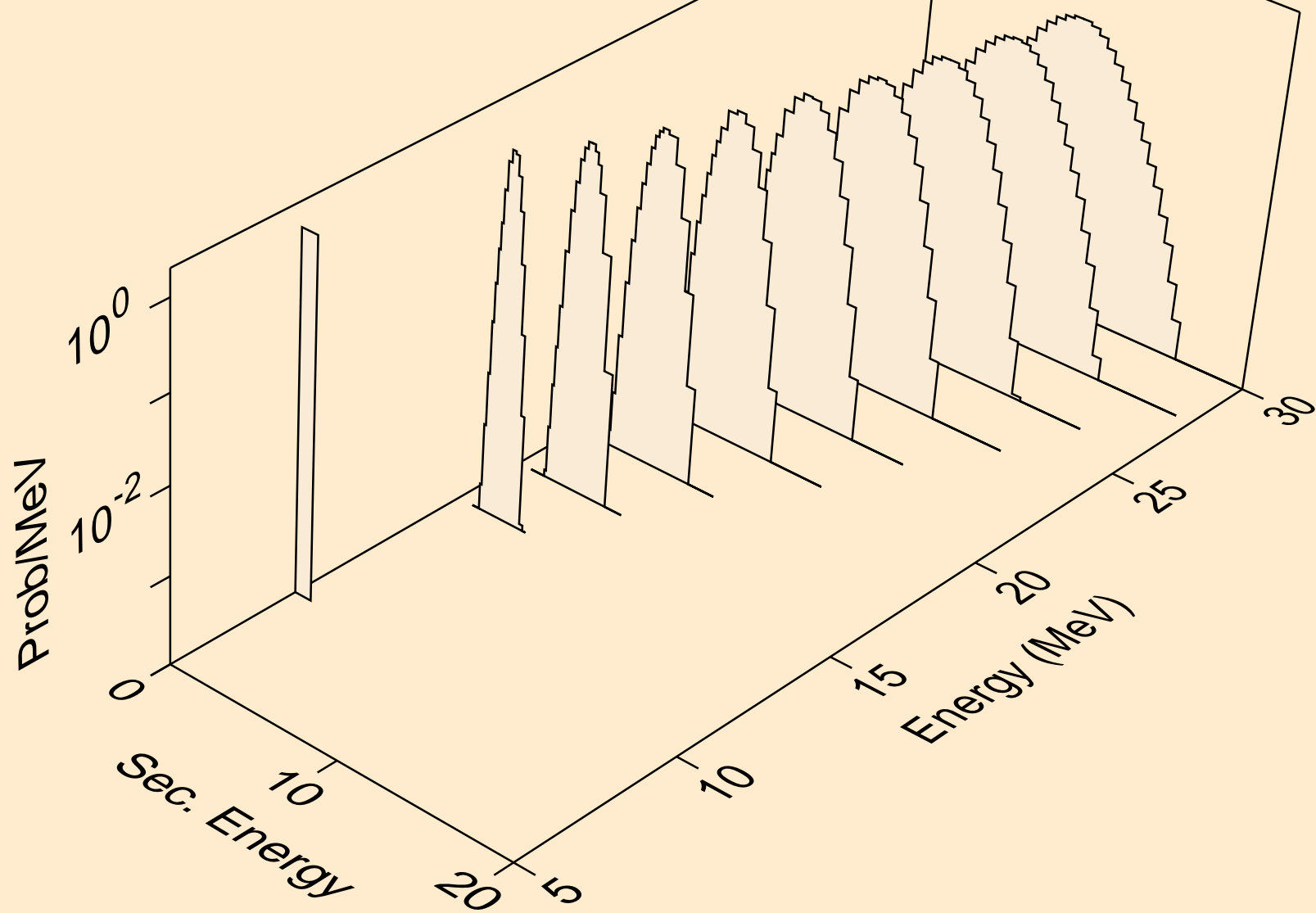
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,2np)



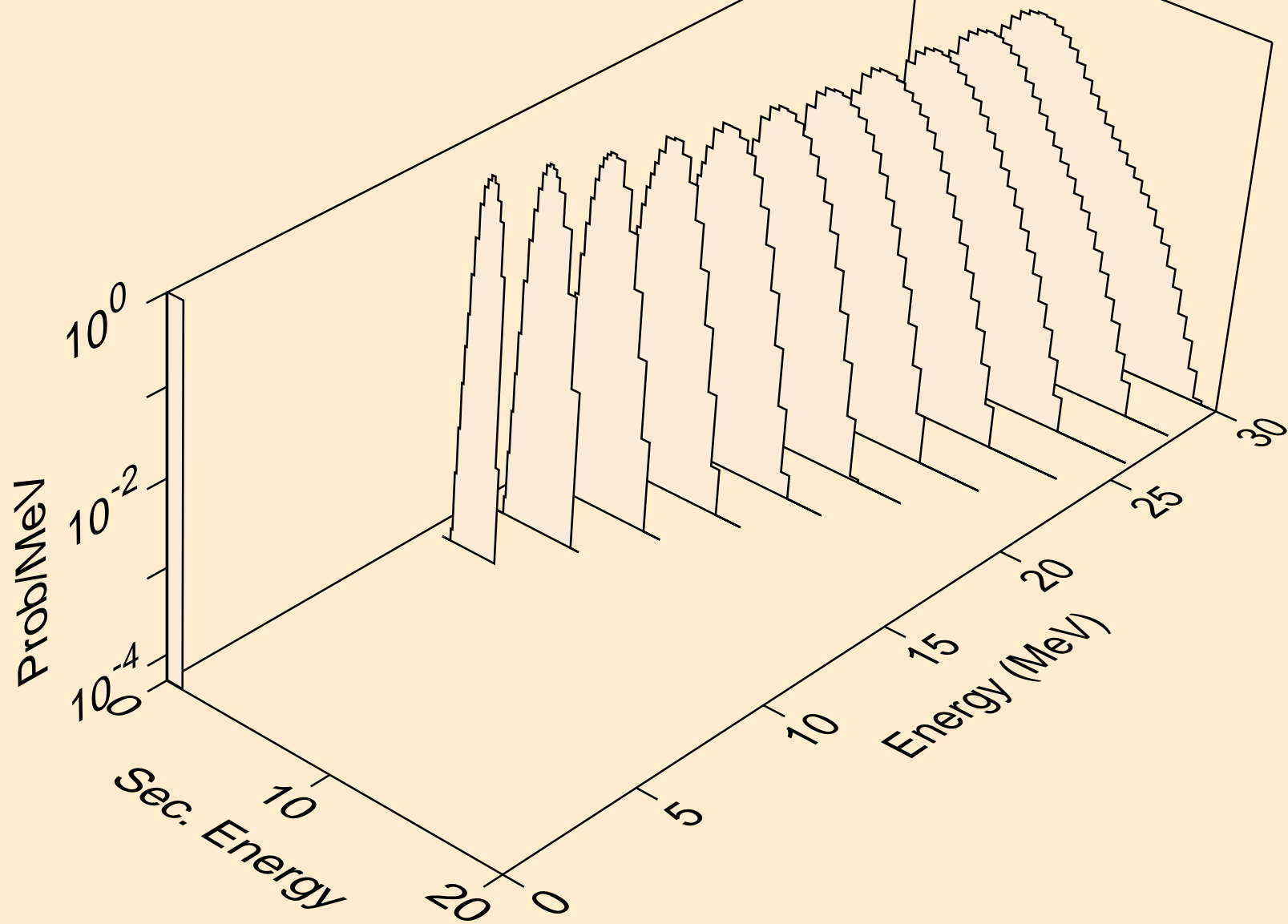
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,3np)



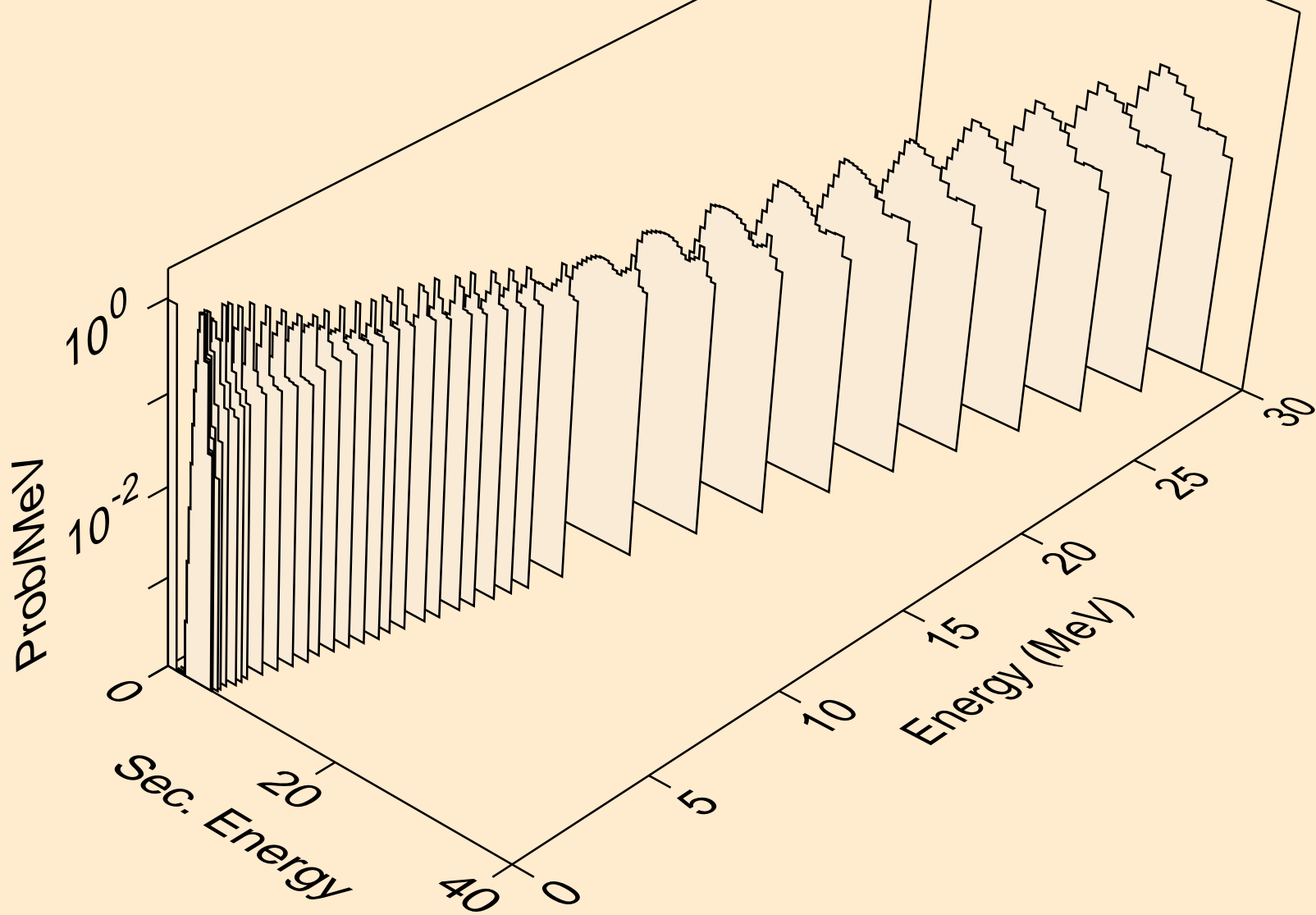
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n2p)



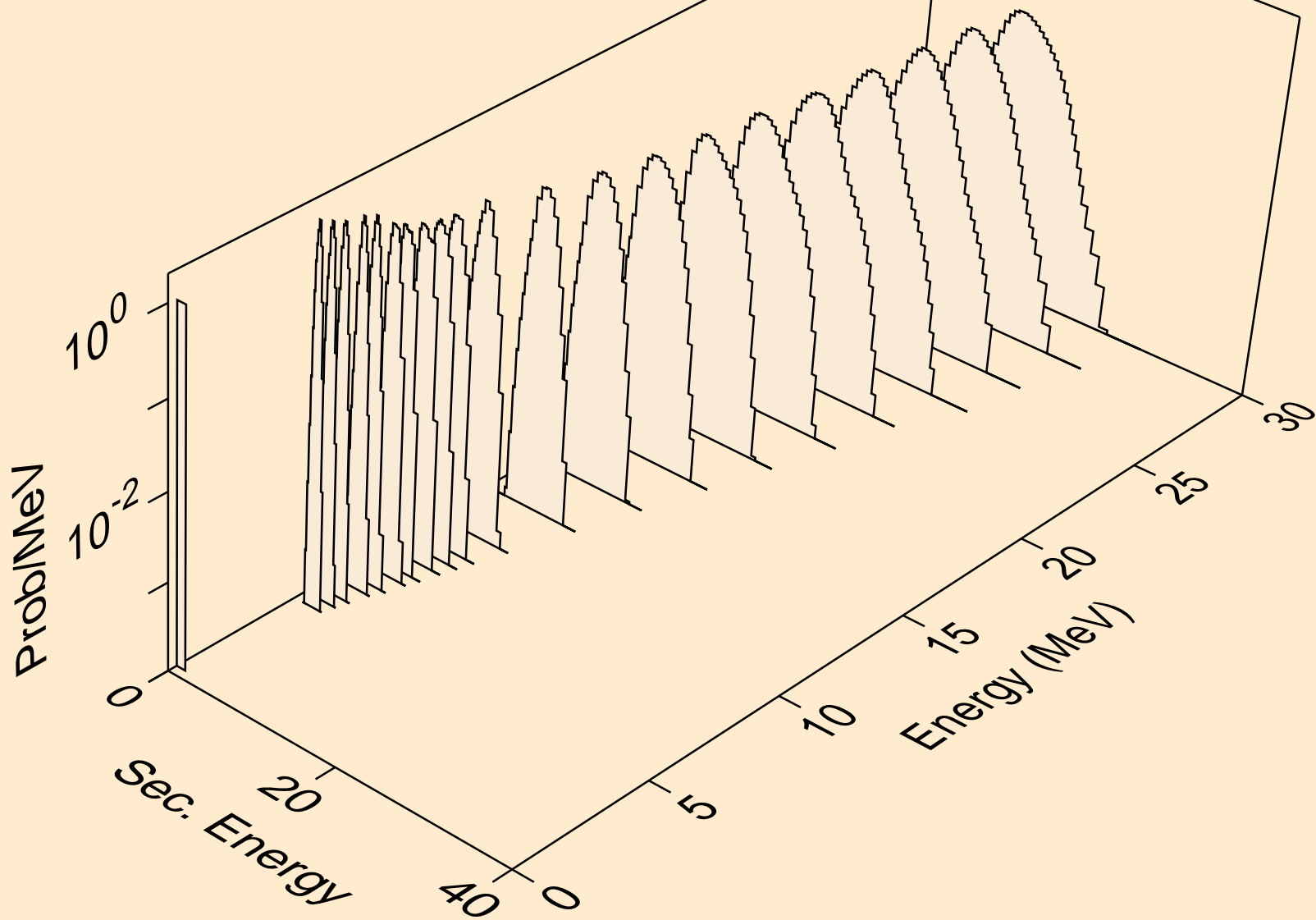
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,npa)



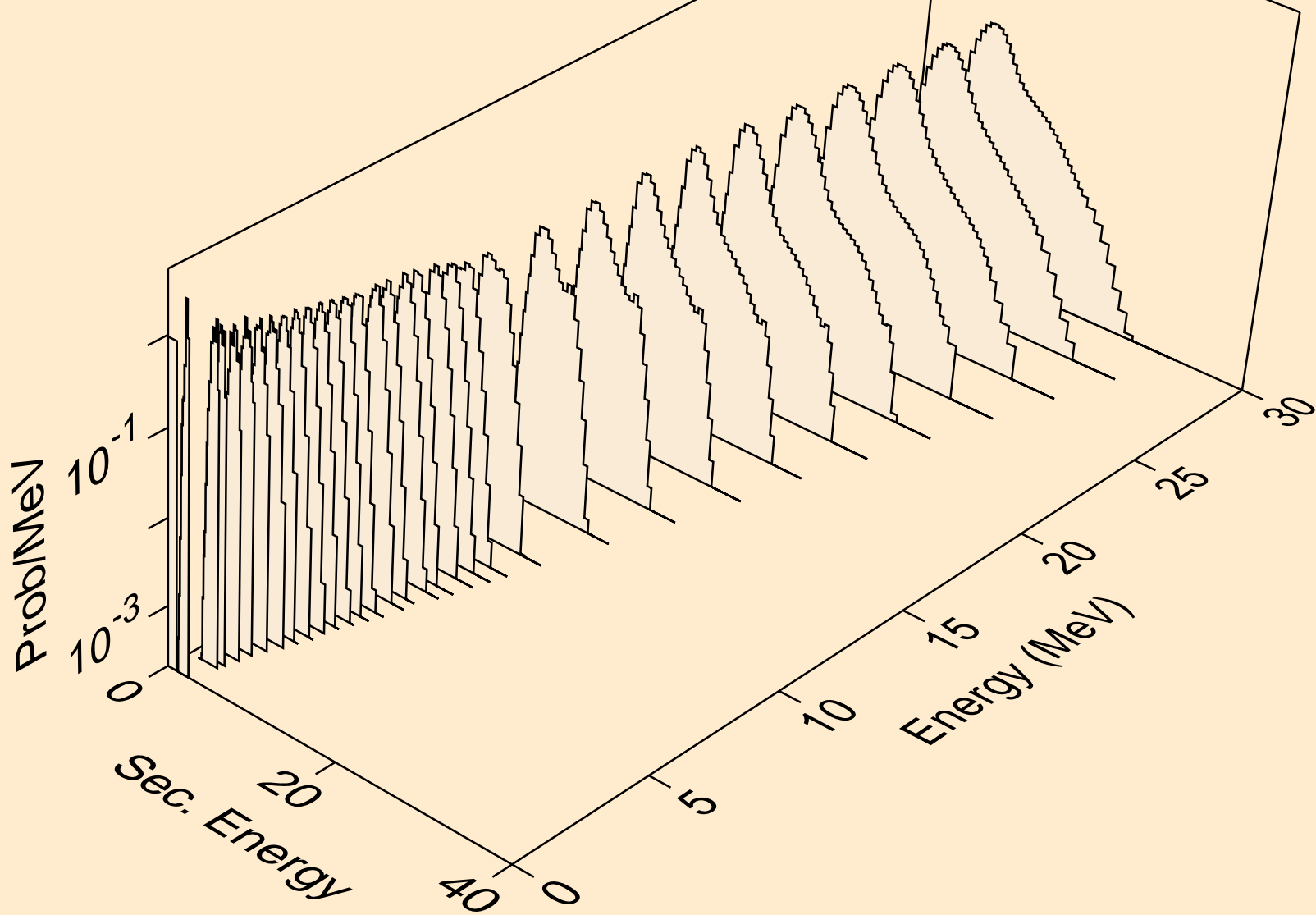
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,p)



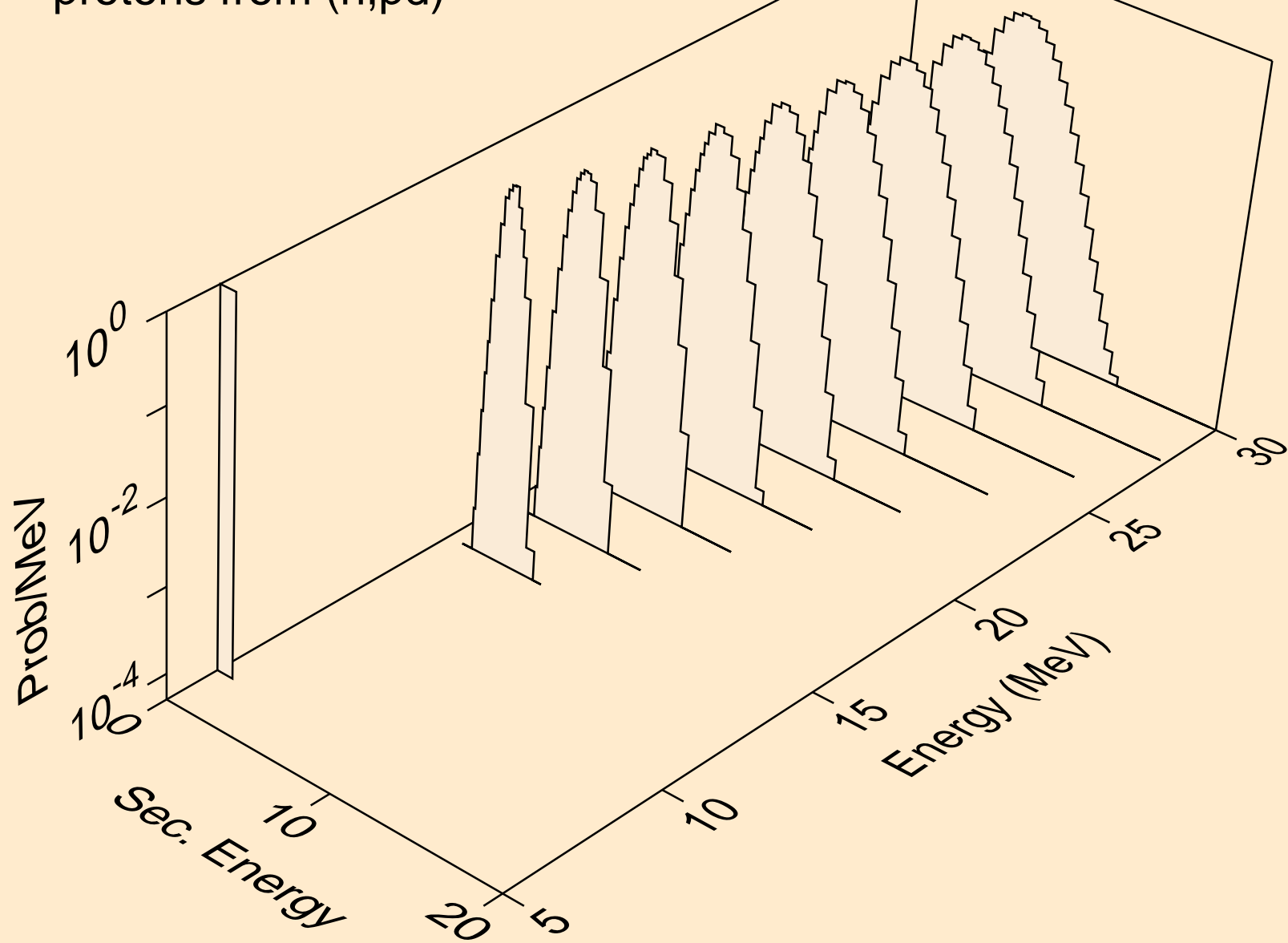
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,2p)



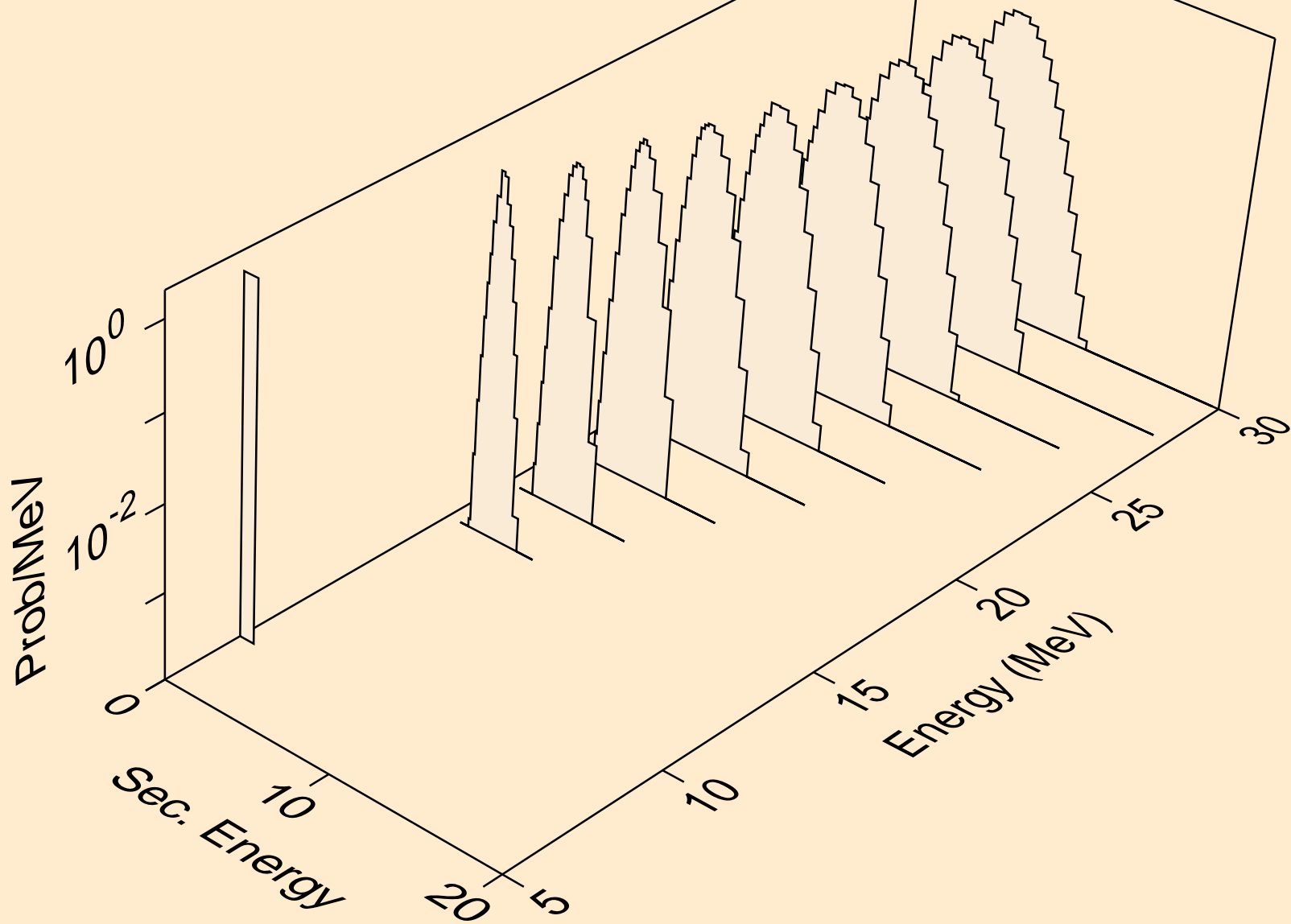
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,p)



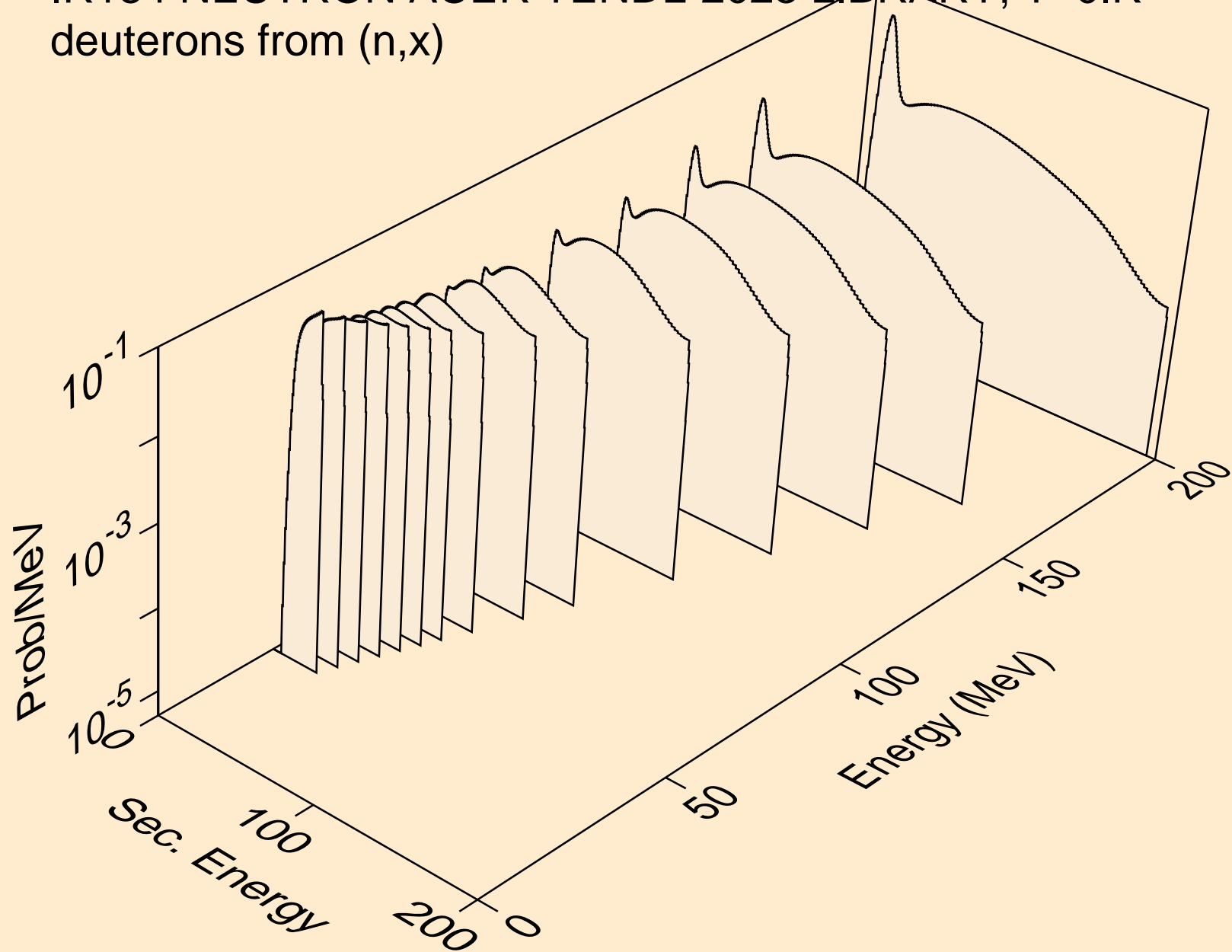
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,pd)



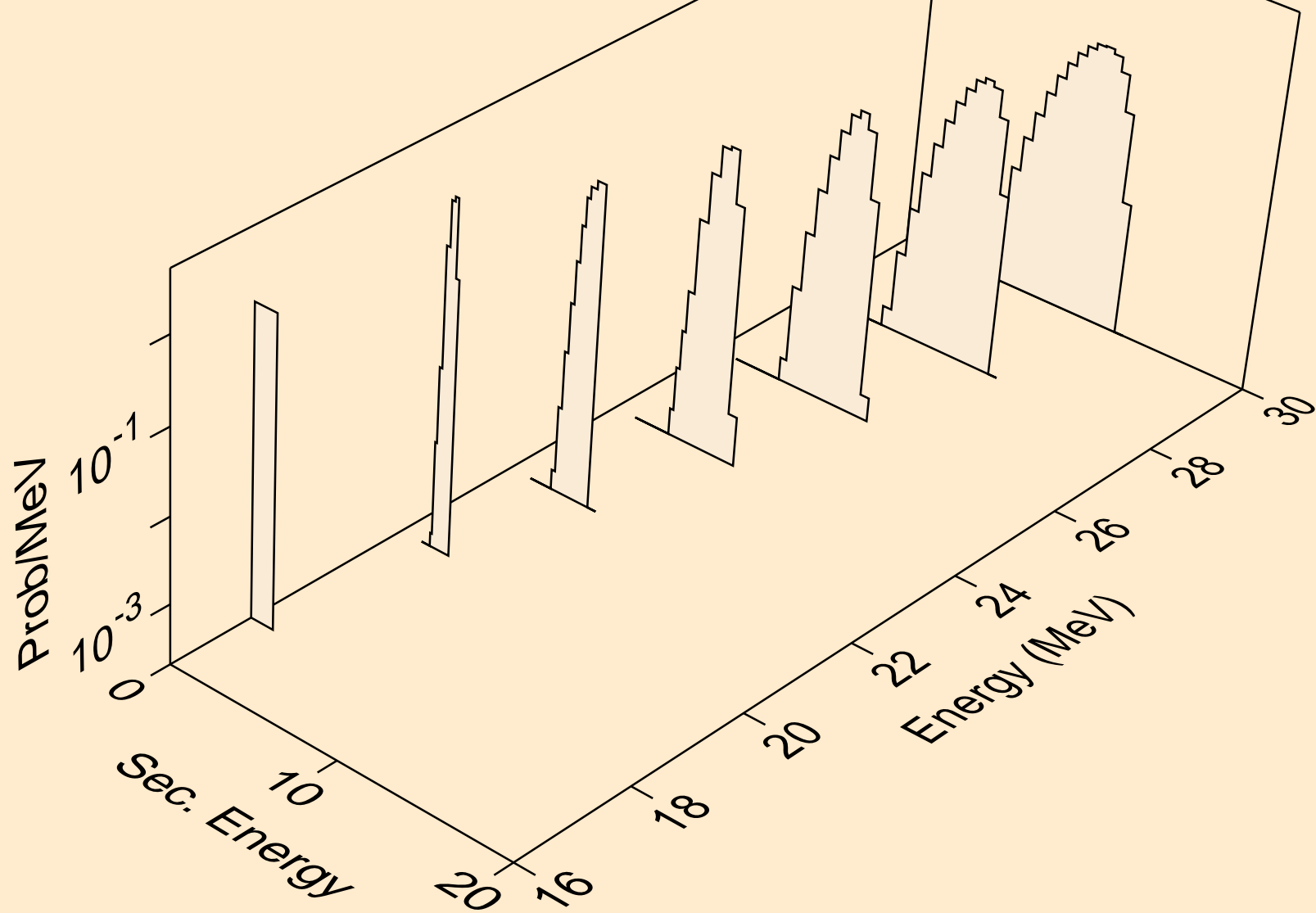
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,pt)



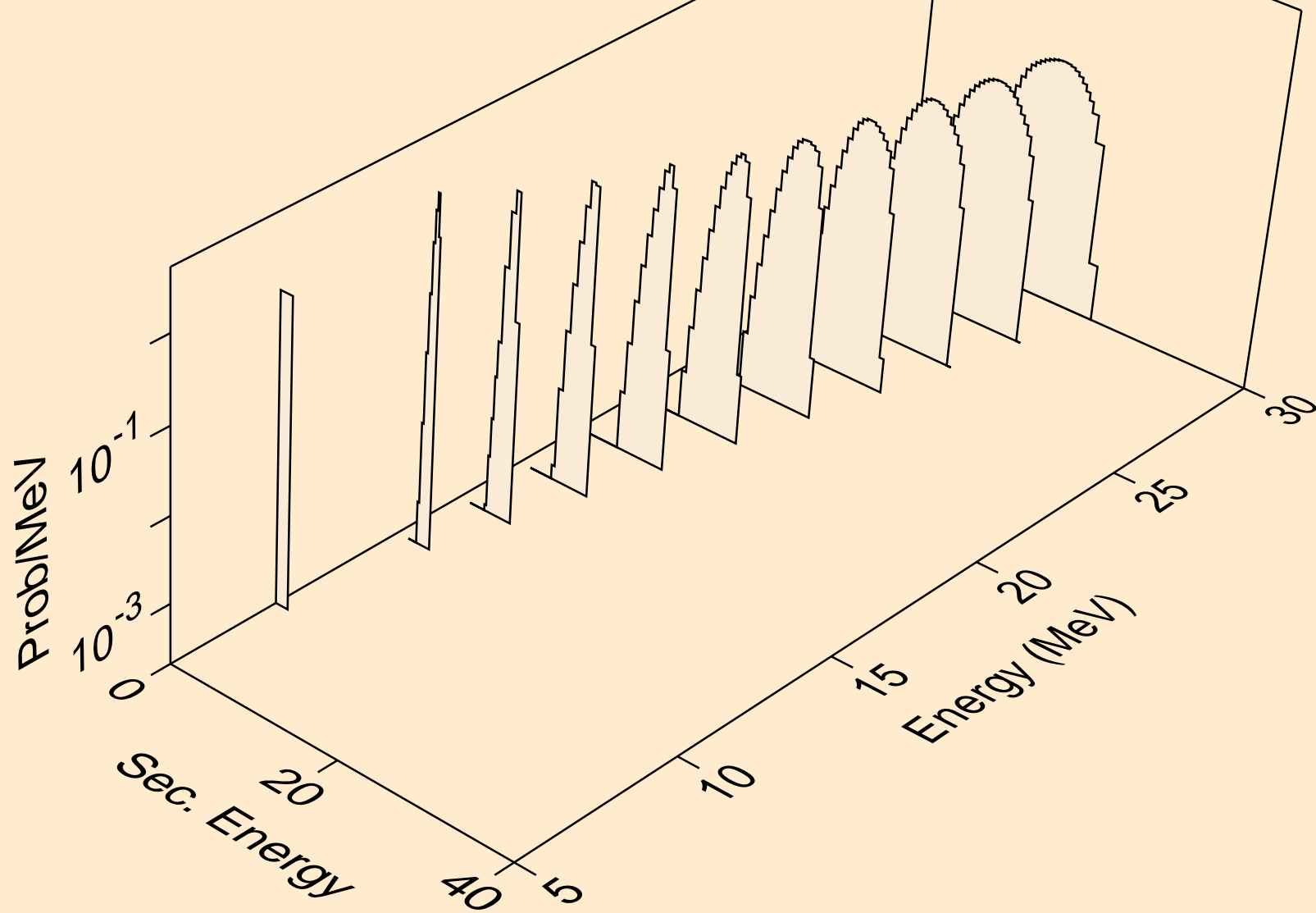
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,x)



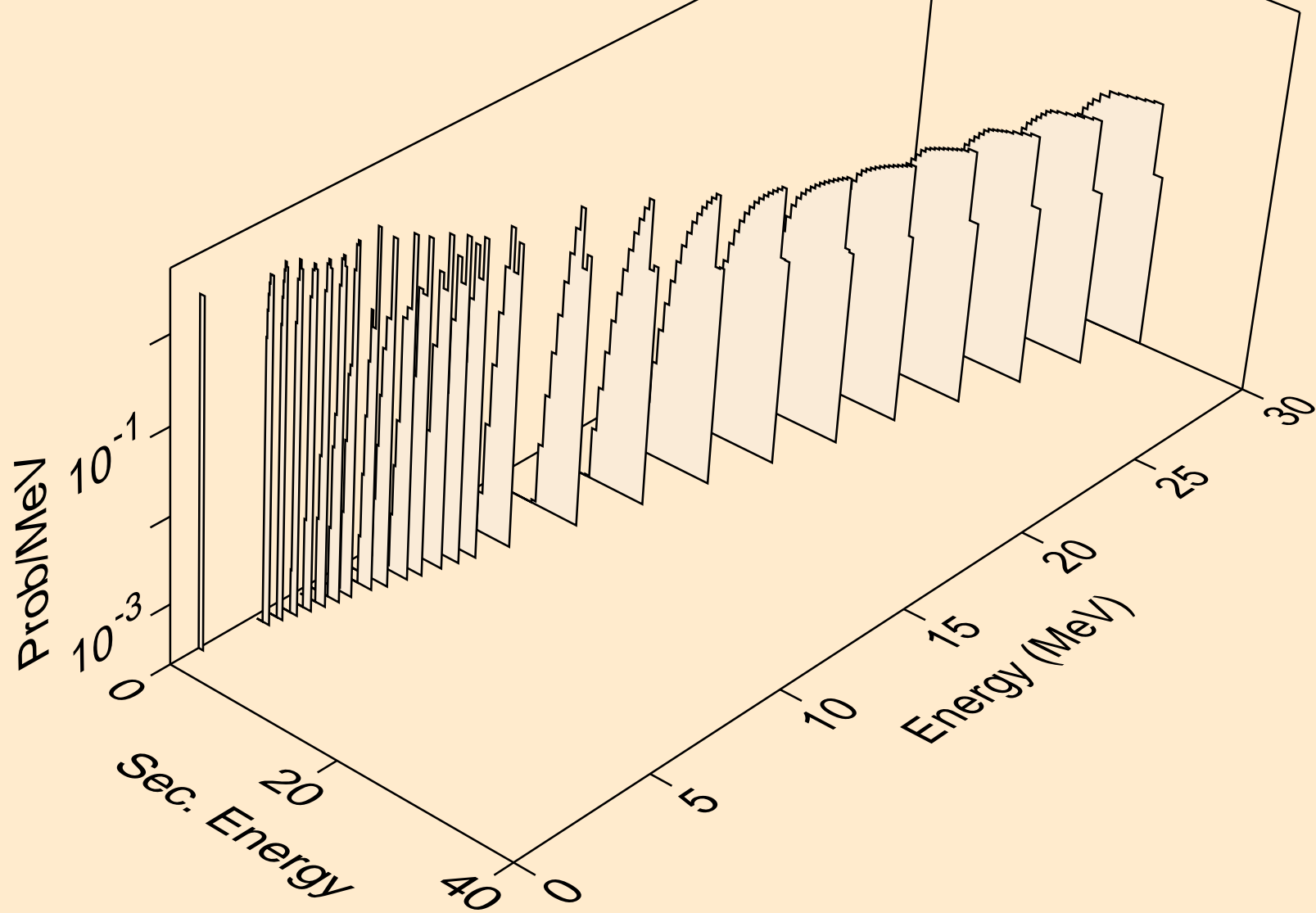
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,2nd)



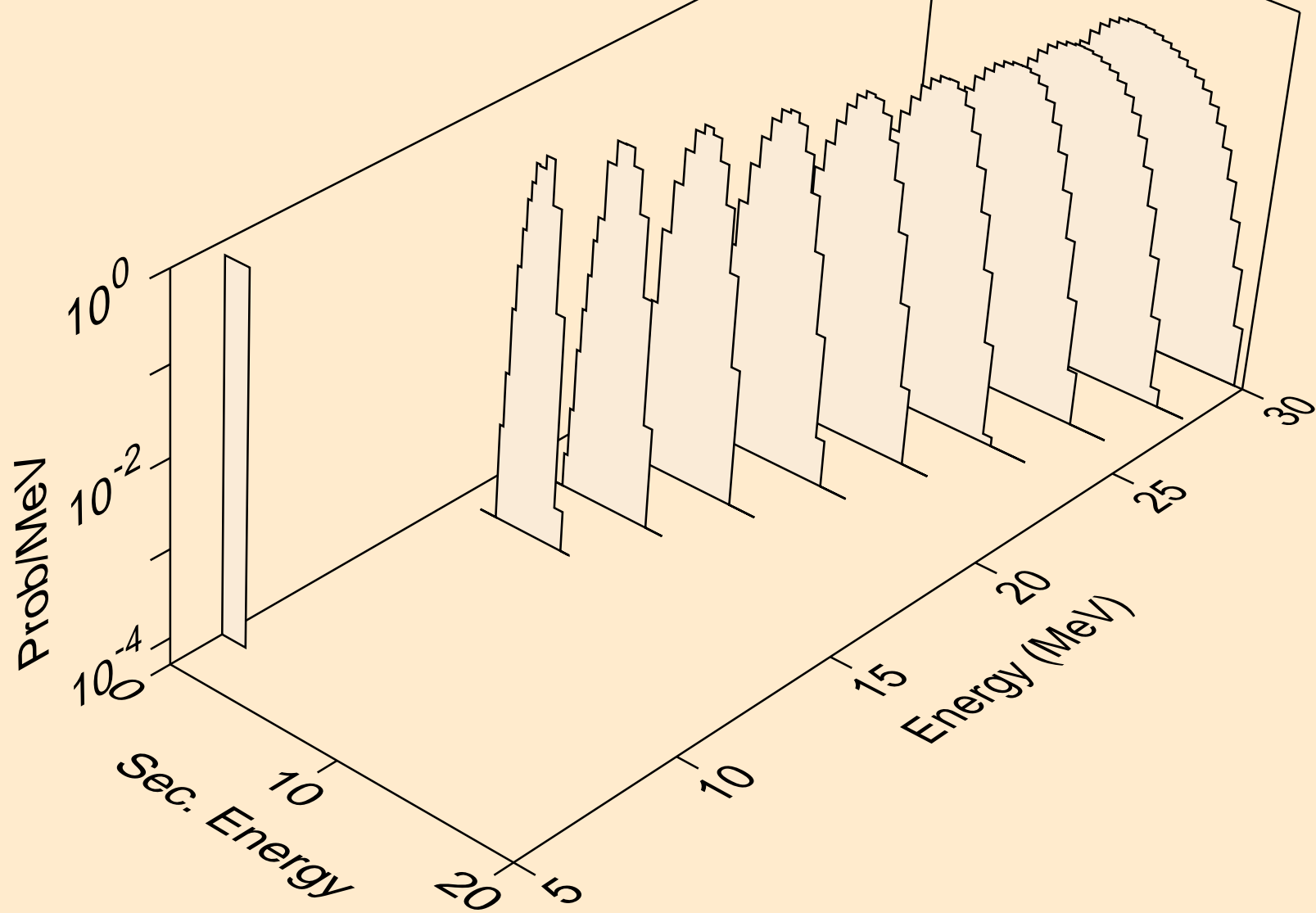
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,n\*)d



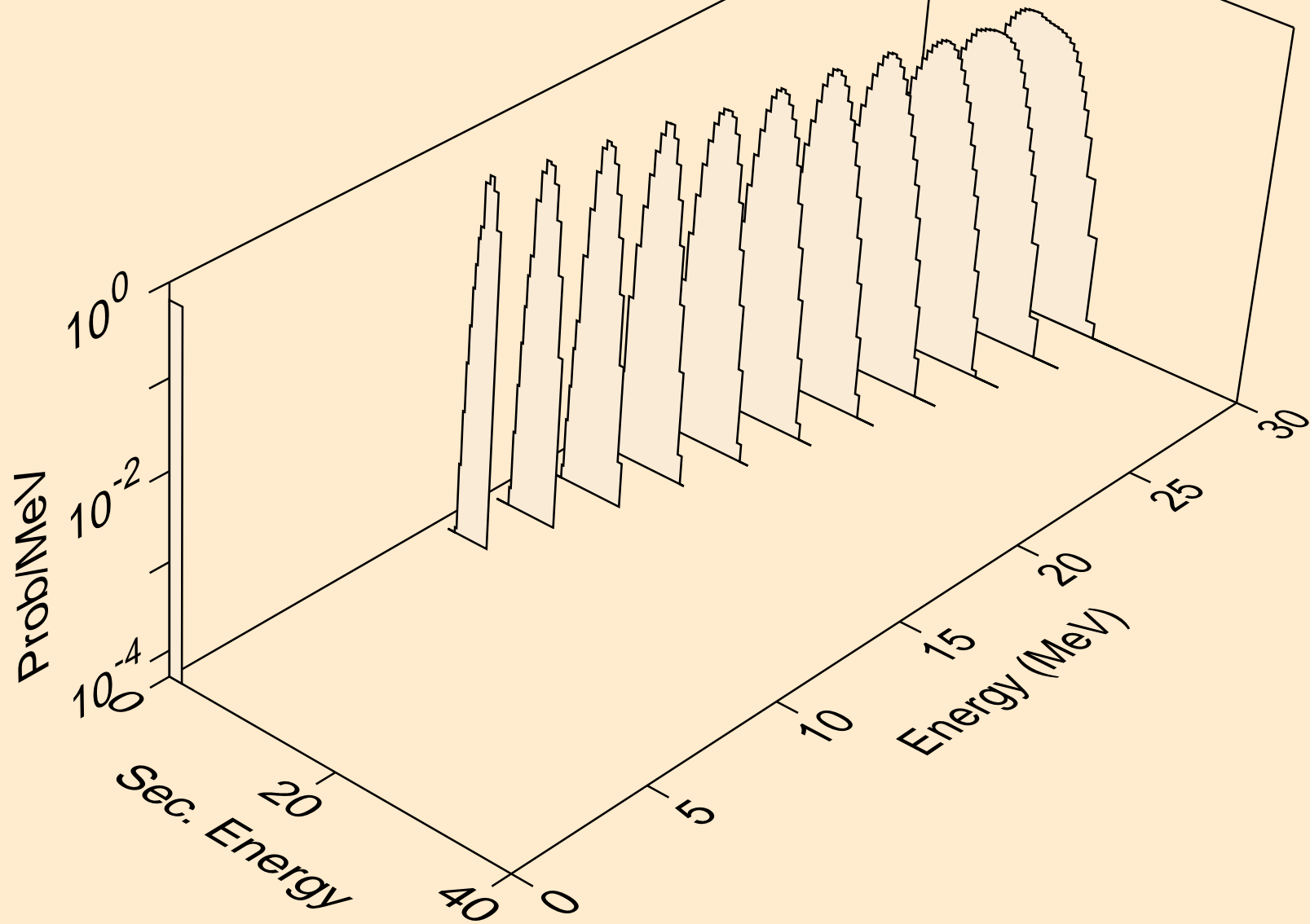
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,d)



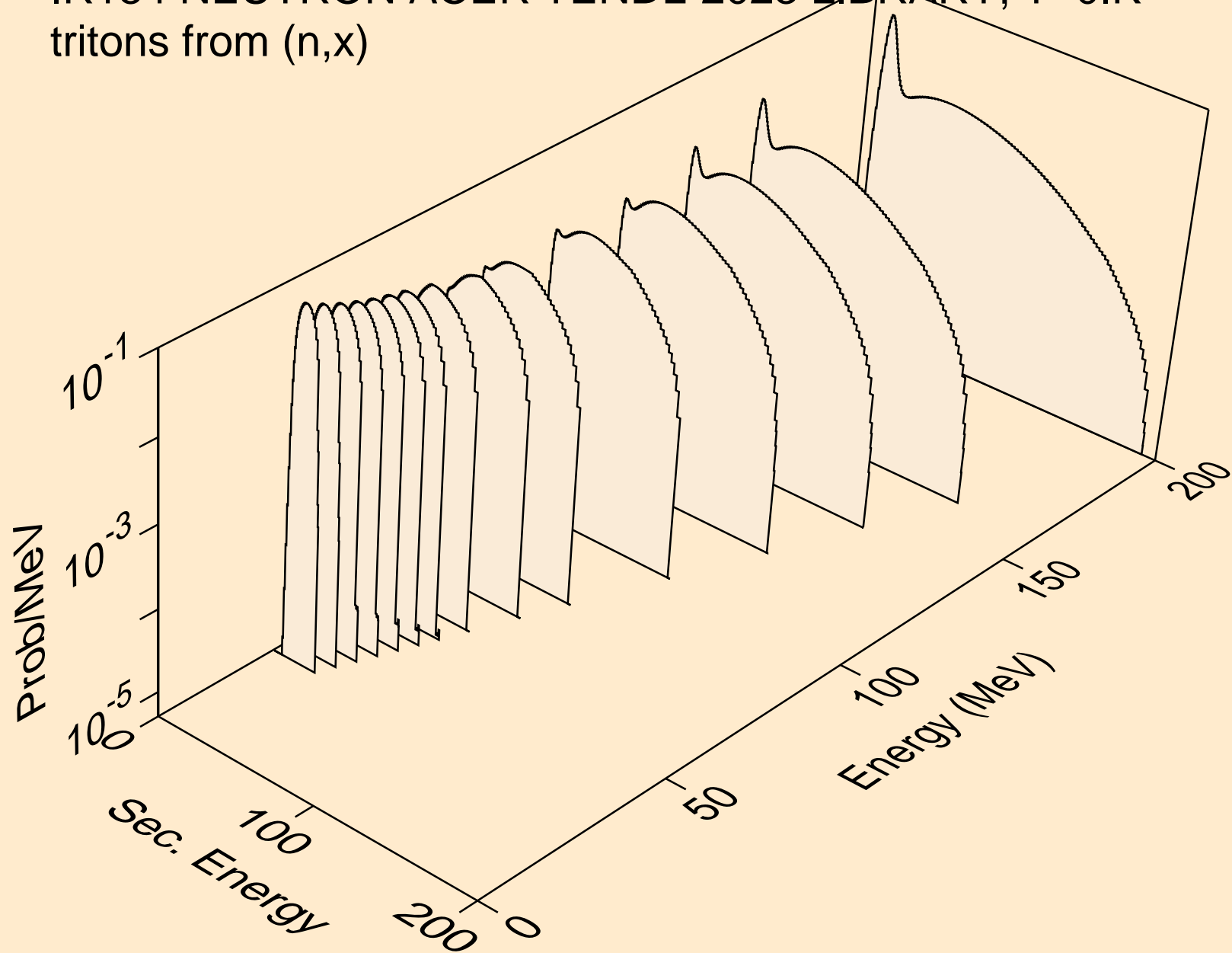
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,pd)



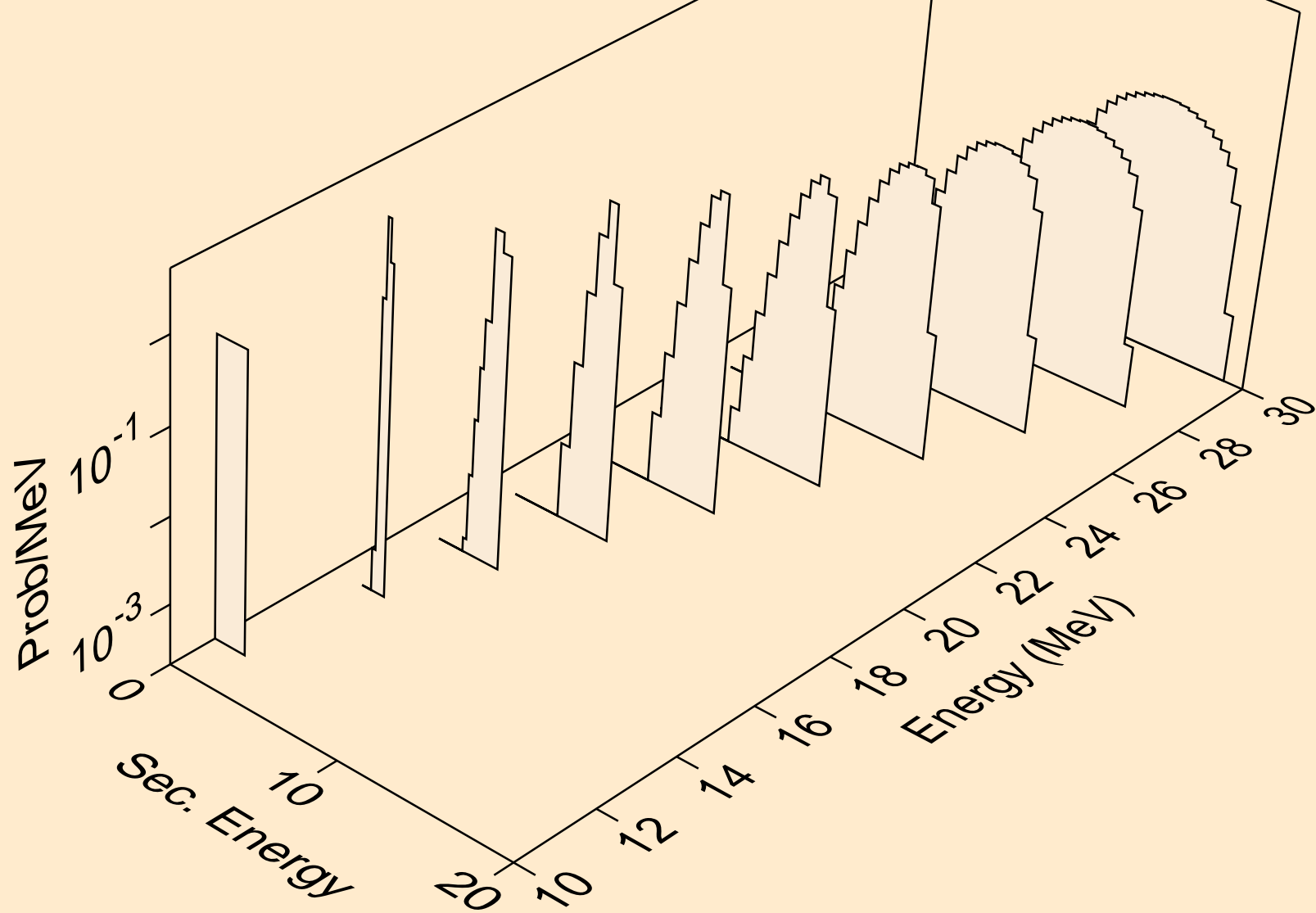
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,da)



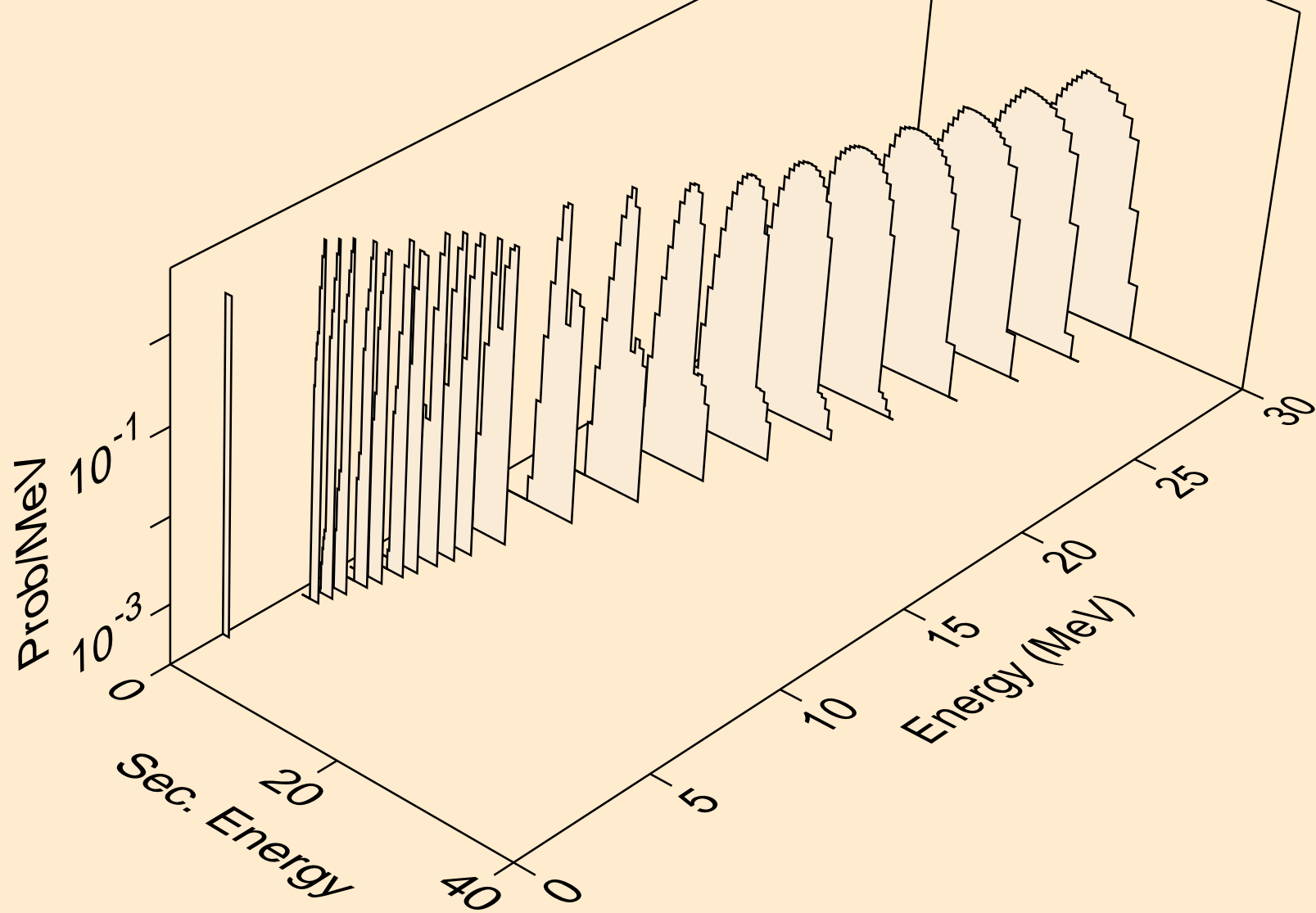
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,x)



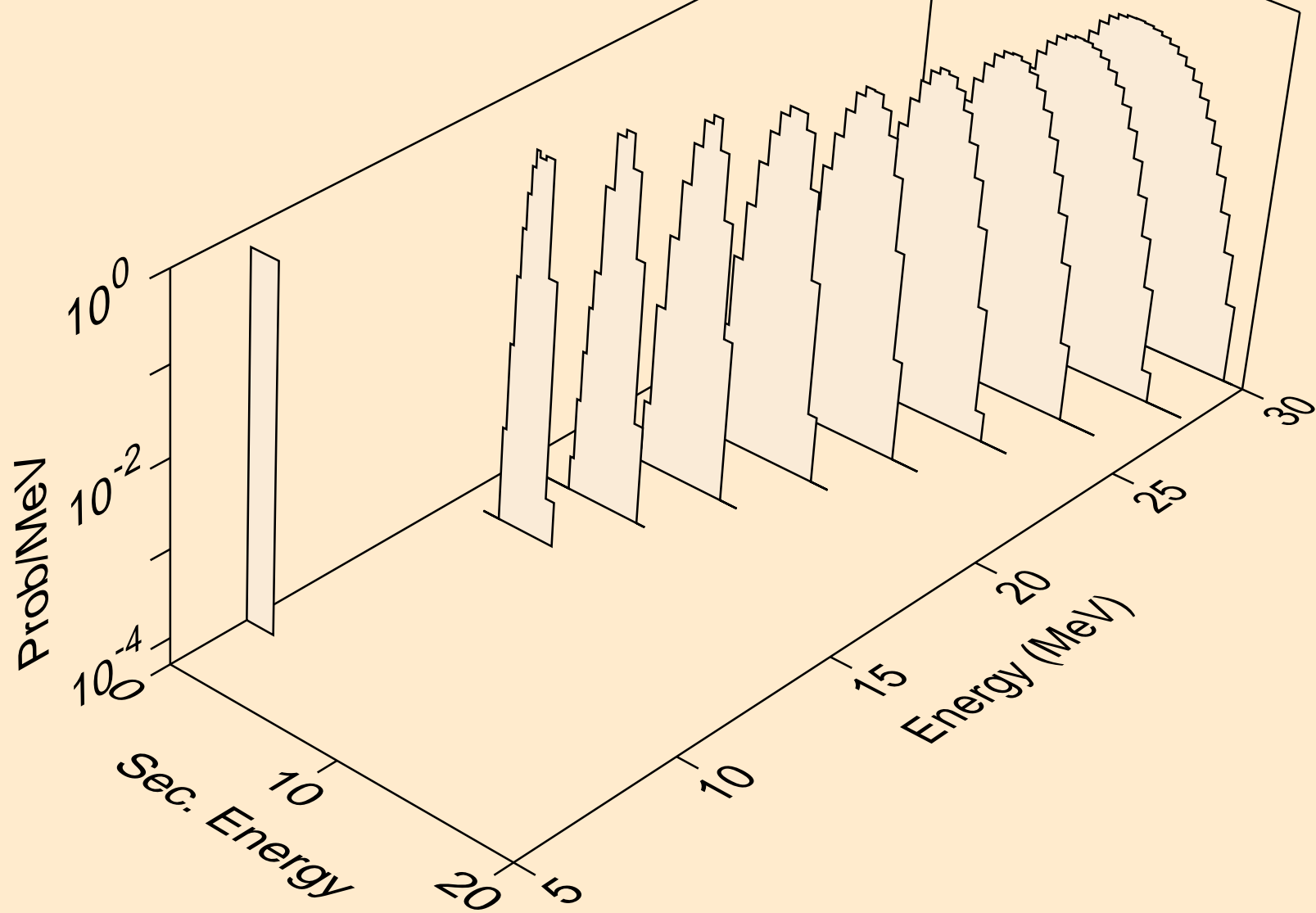
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,n\*)t



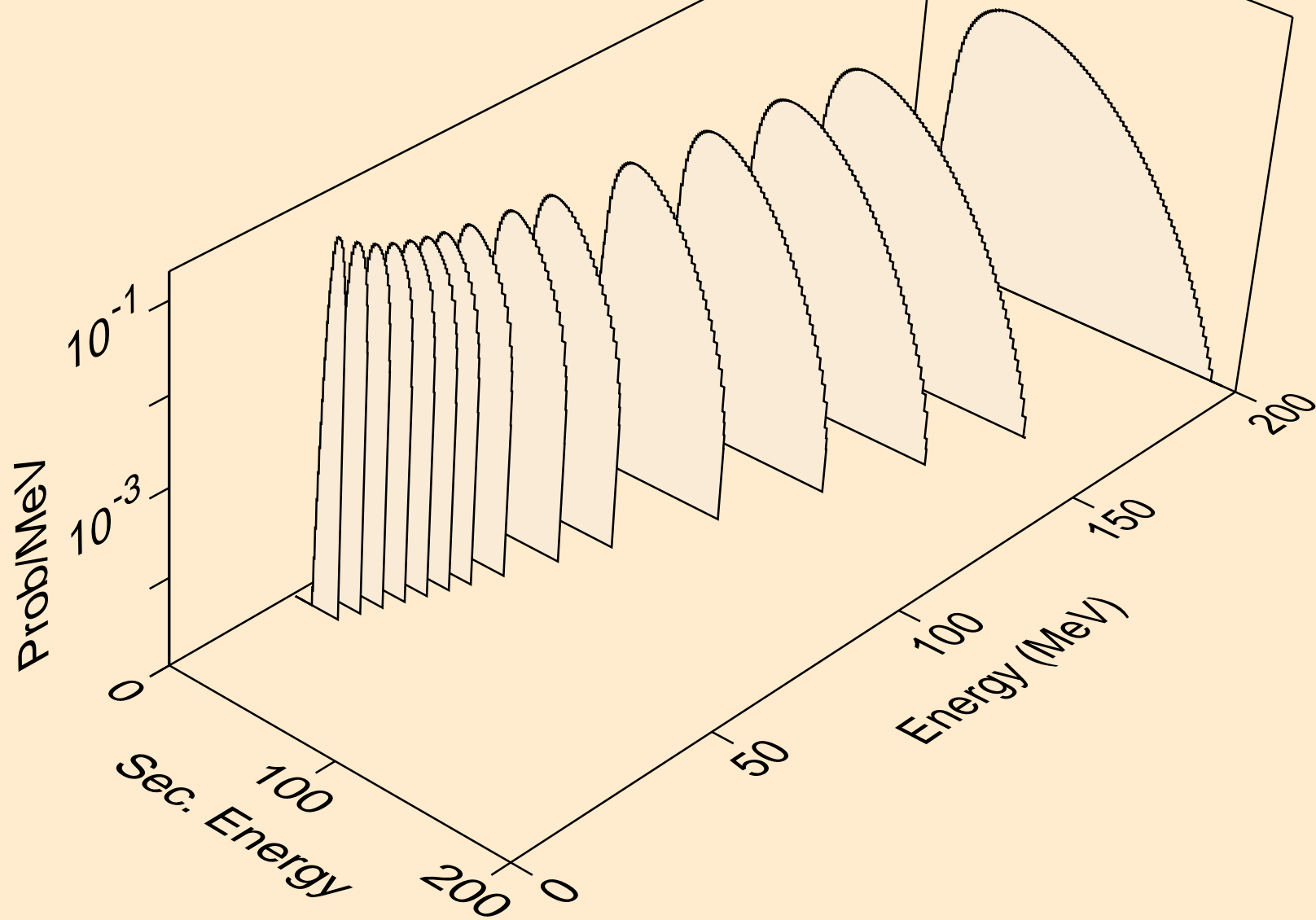
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,t)



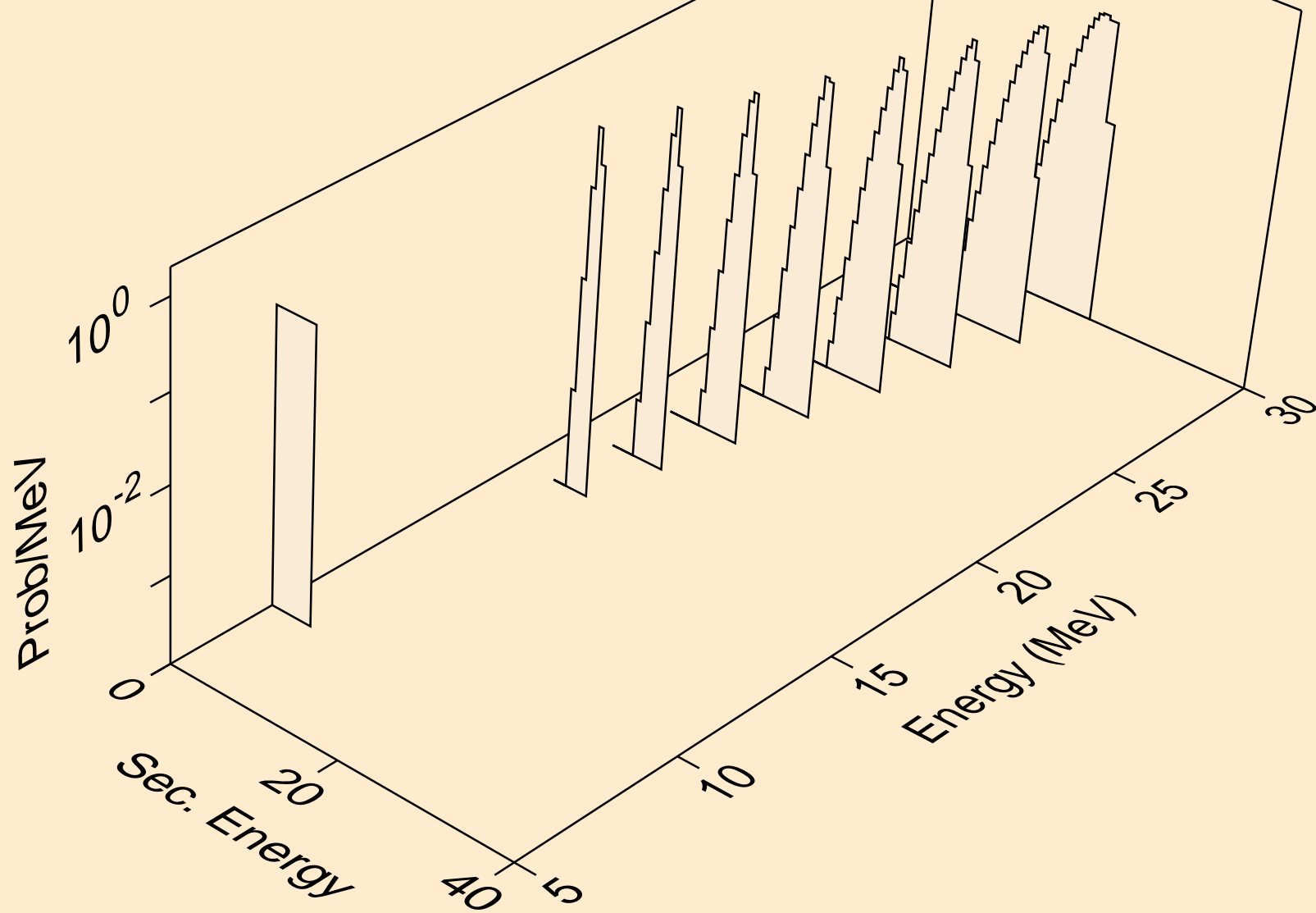
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,pt)



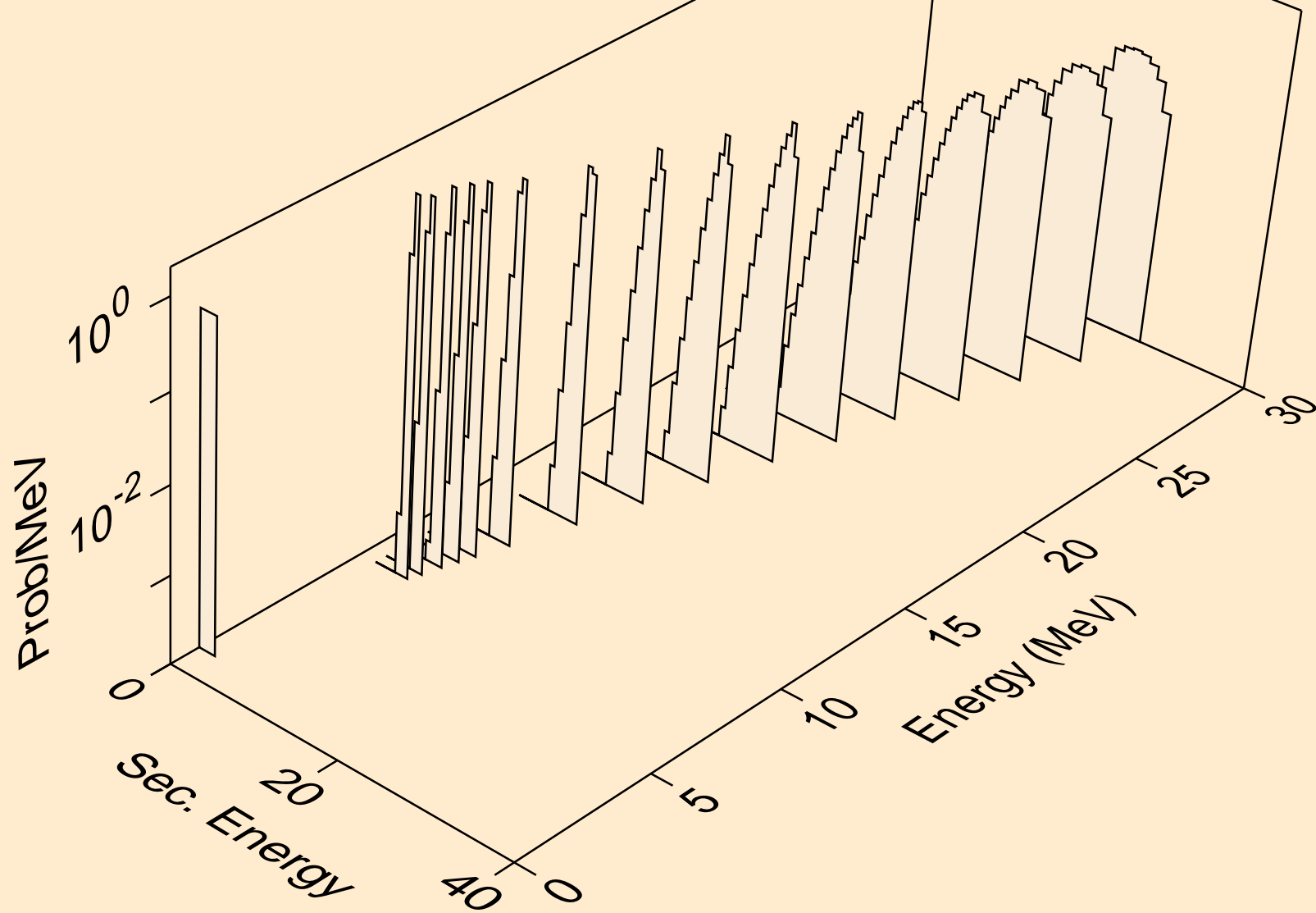
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,x)



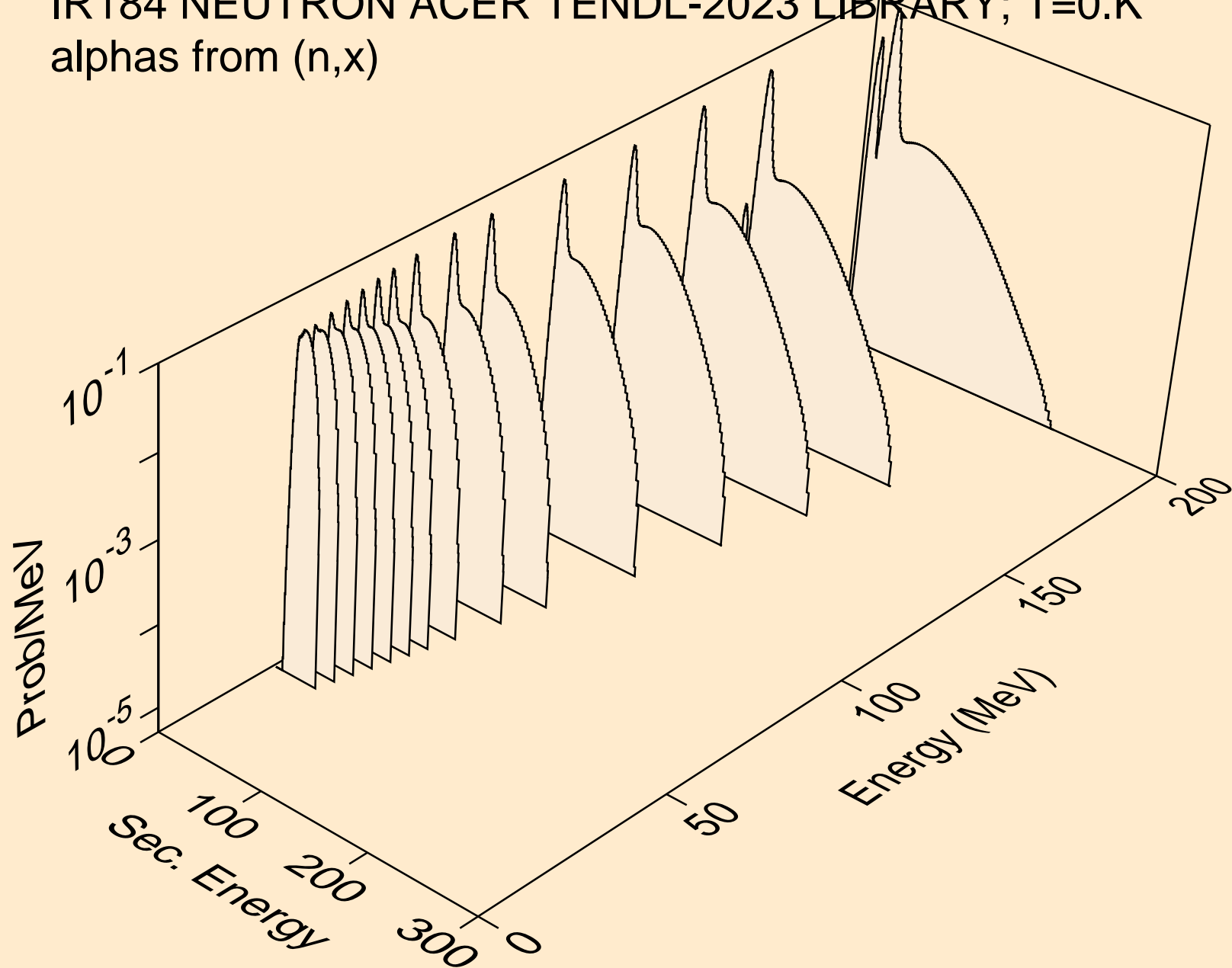
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,n\*)he3



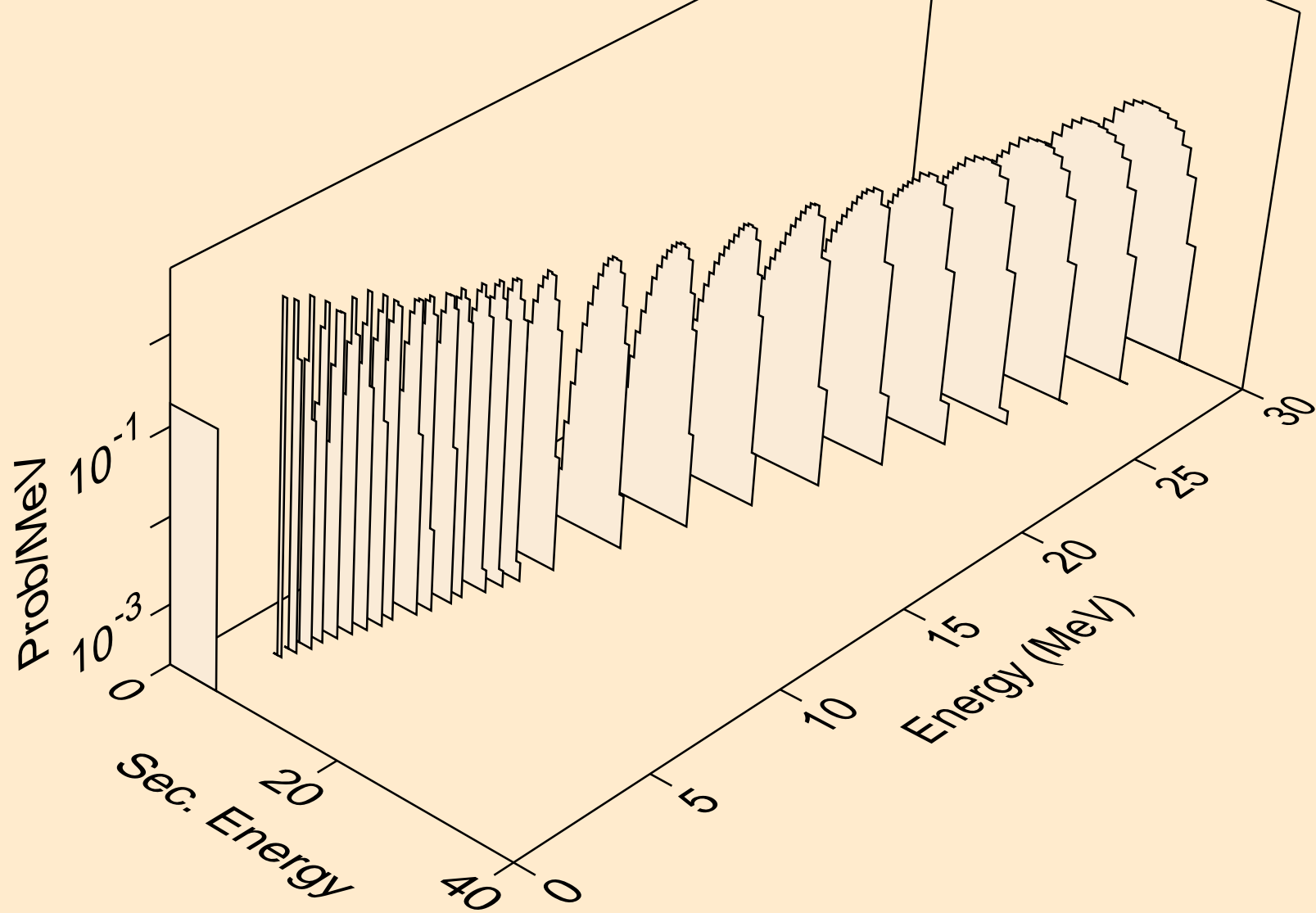
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,he3)



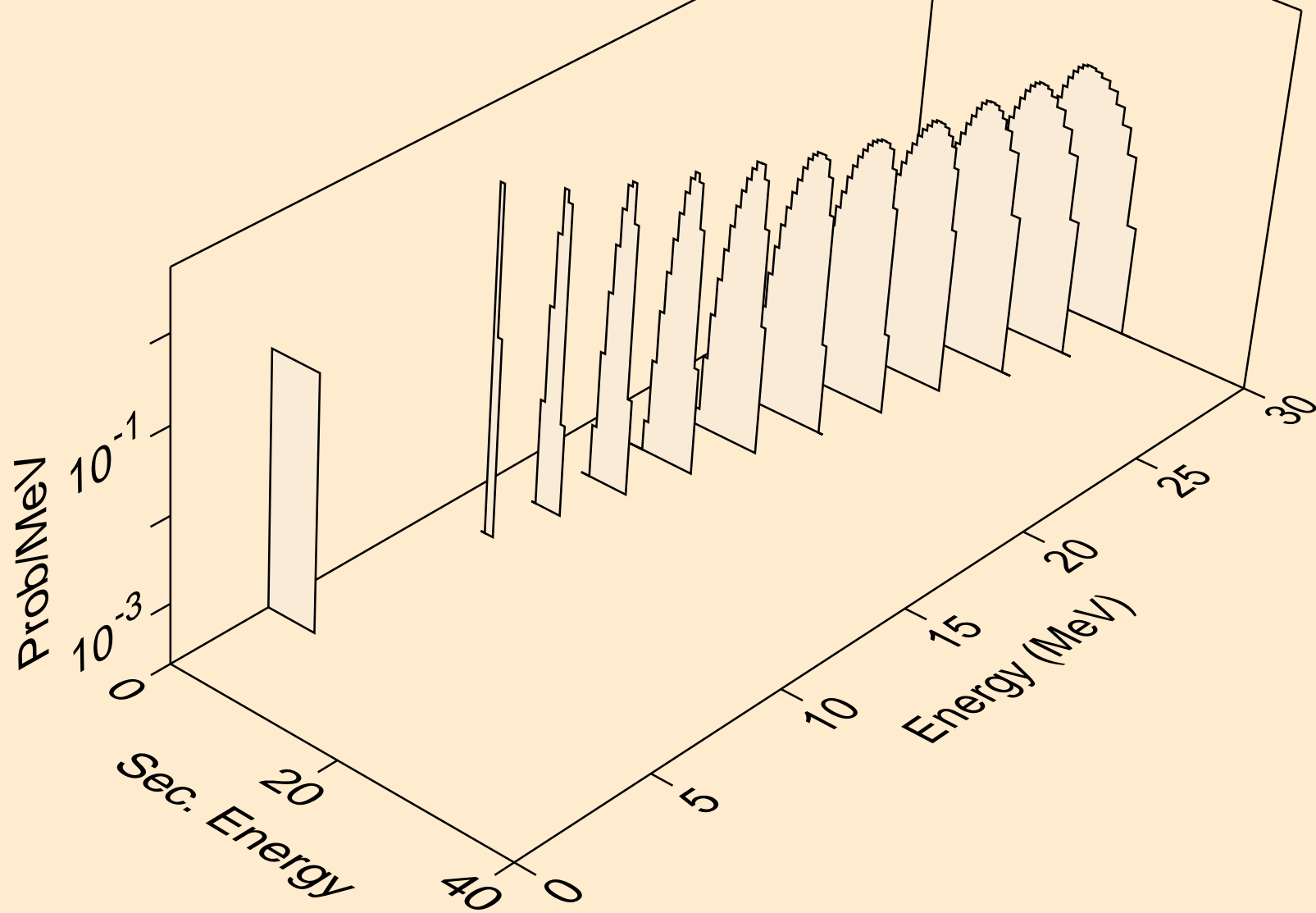
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,x)



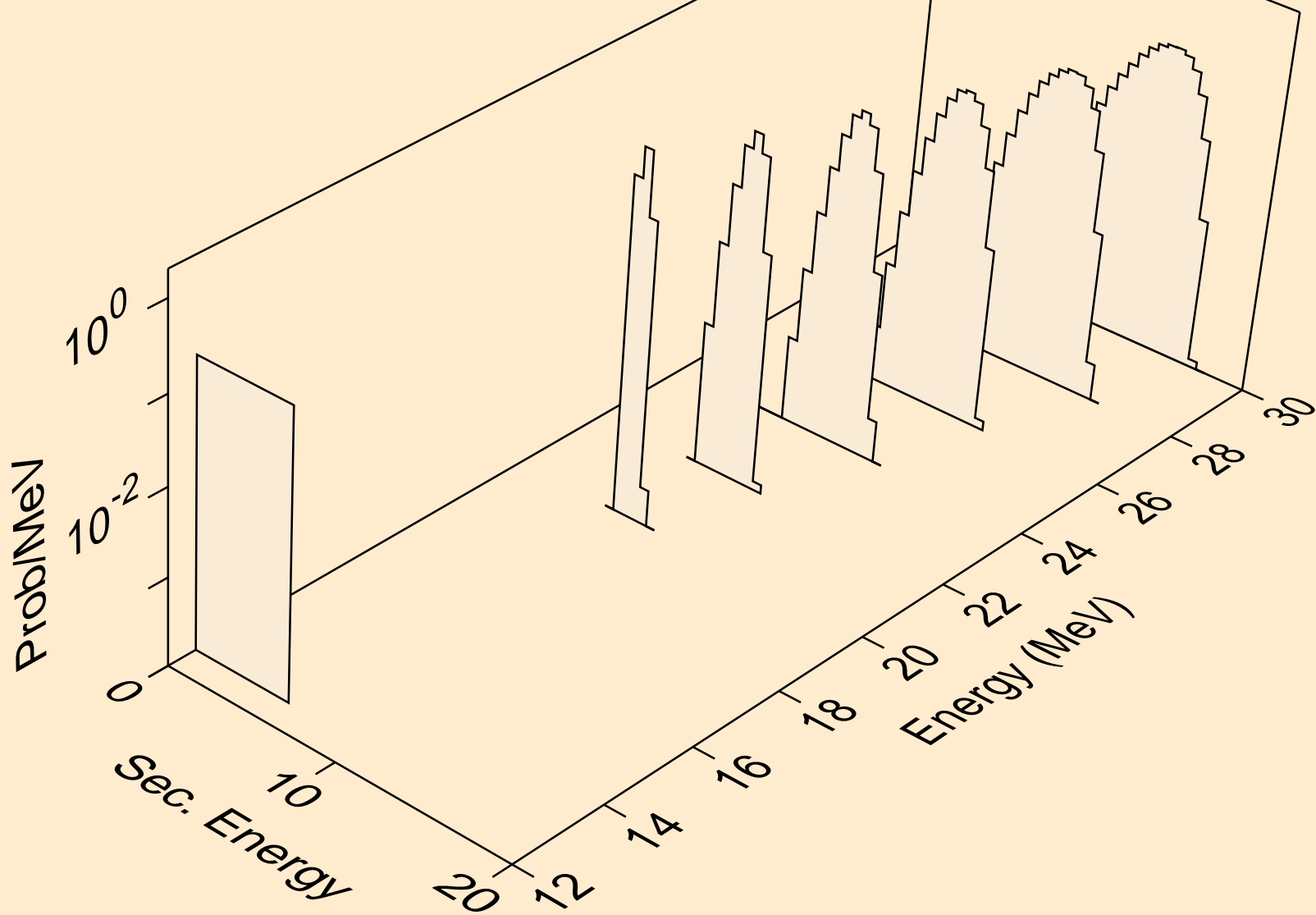
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)a



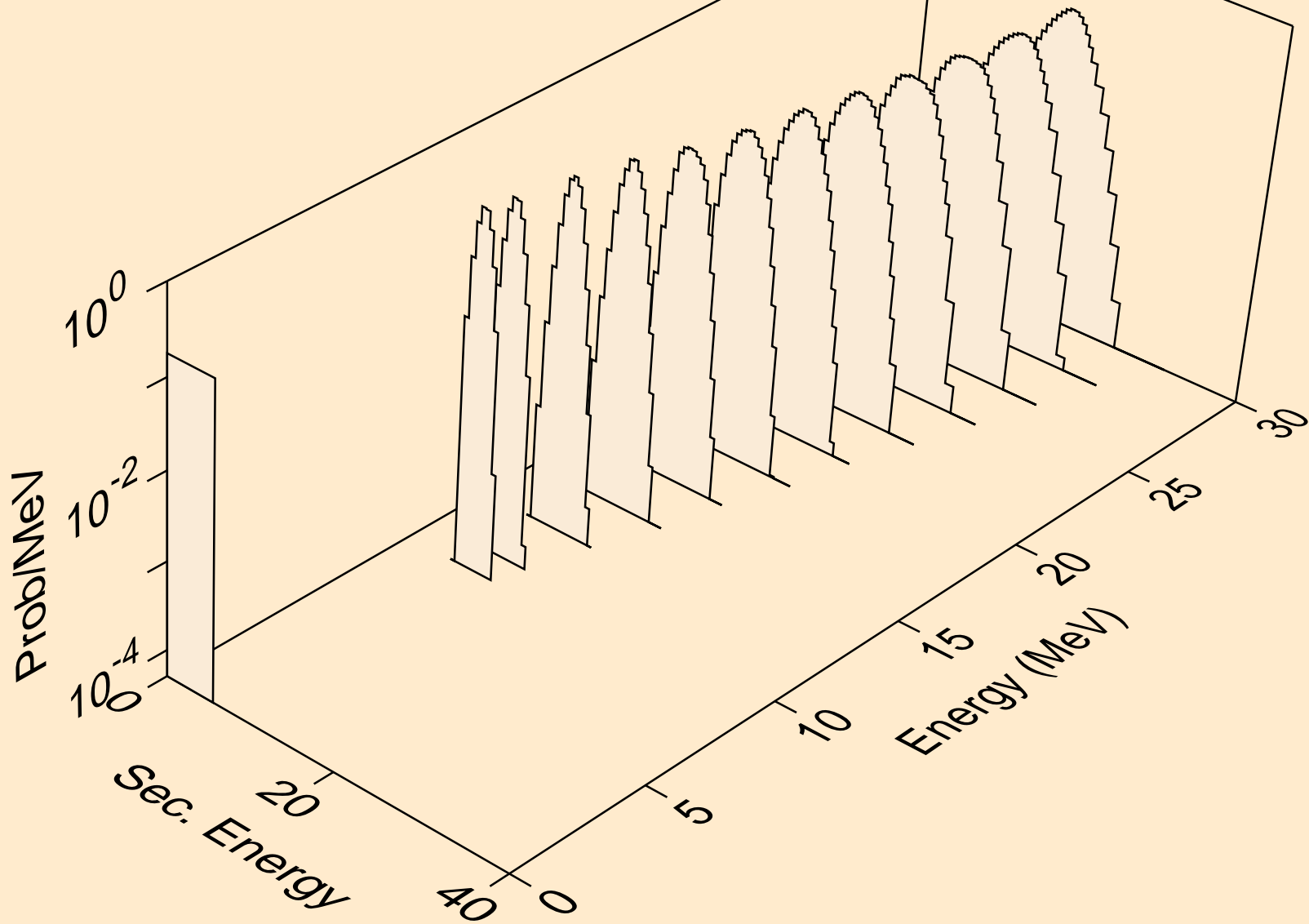
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2n)a



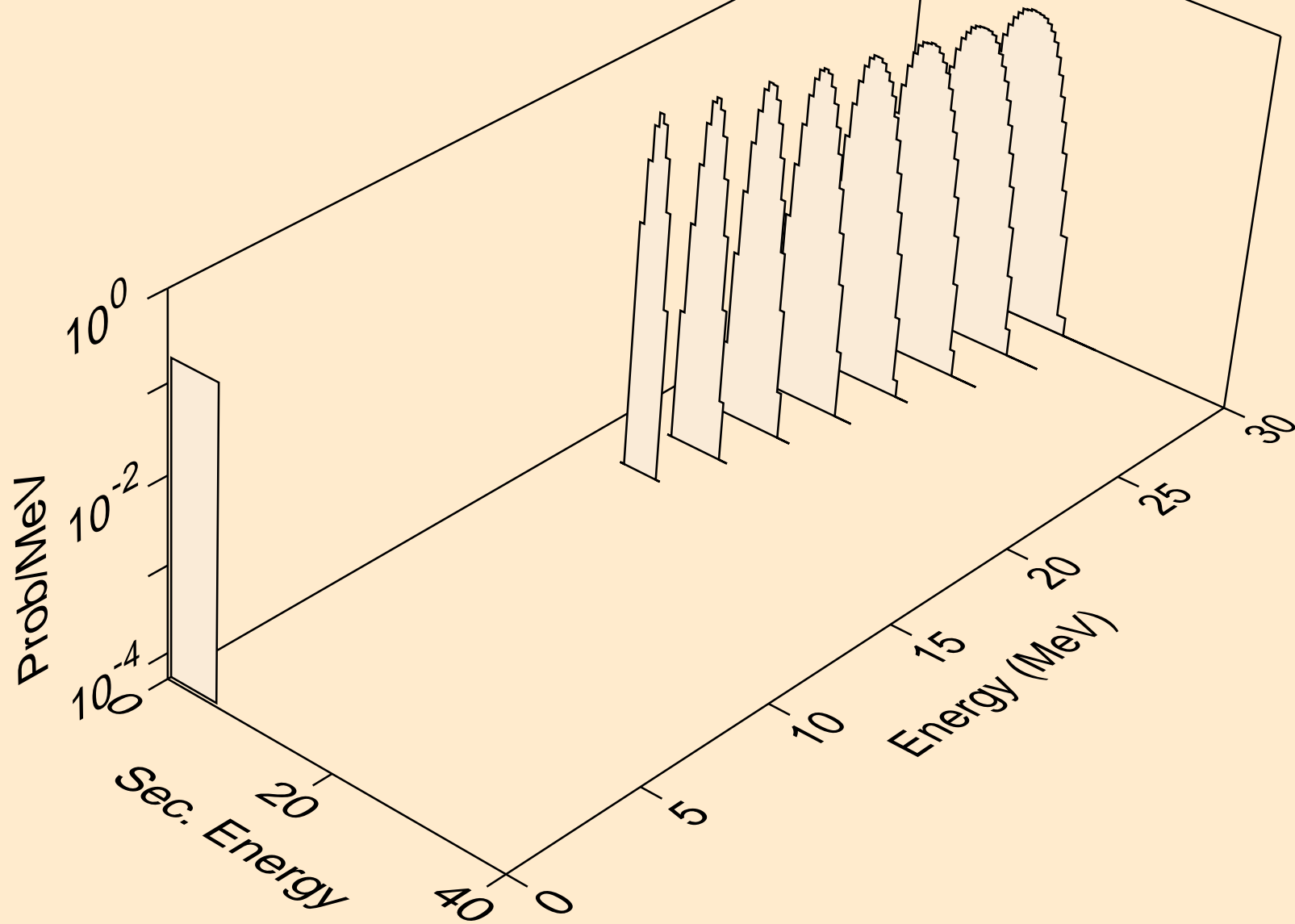
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,3n)a



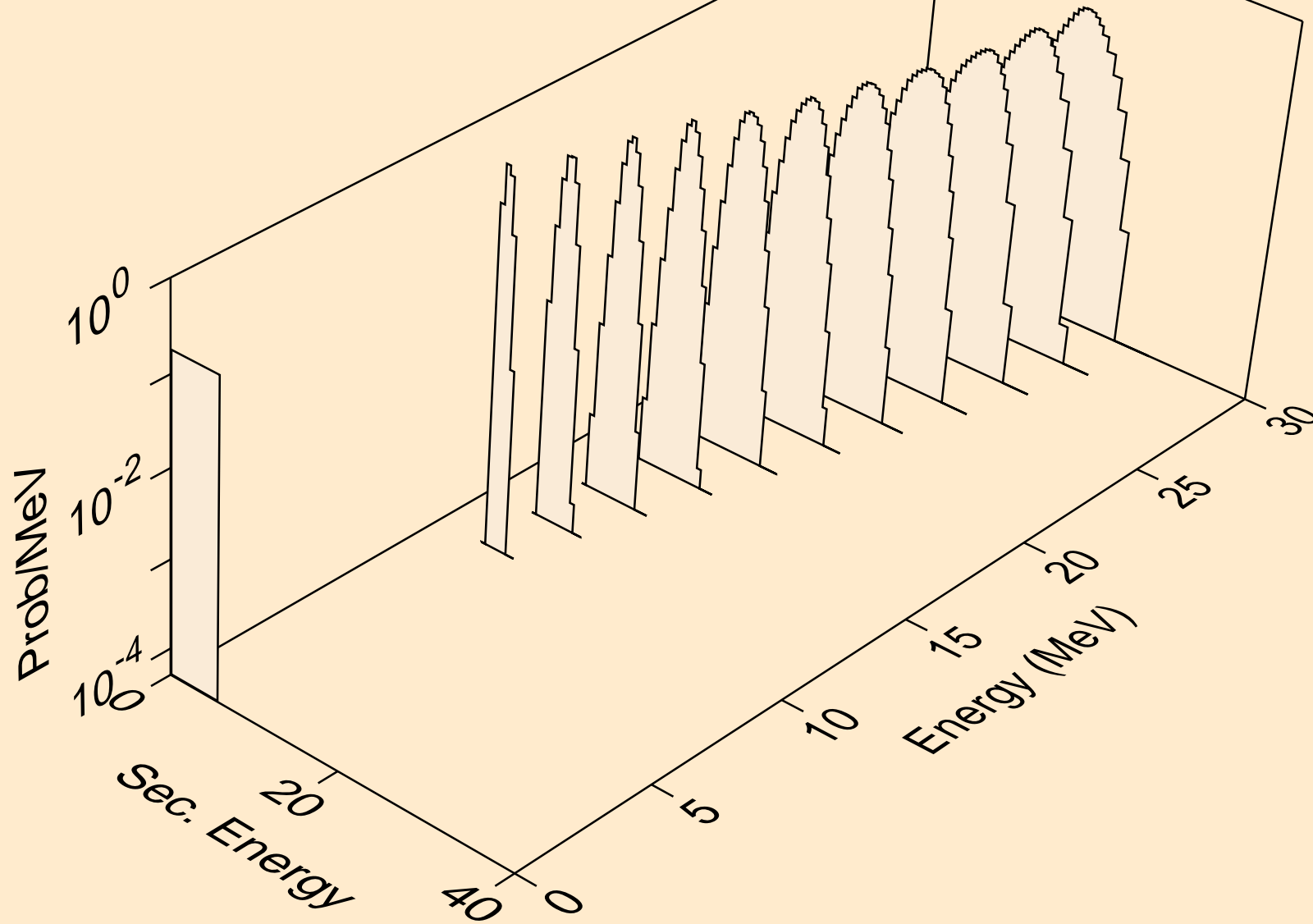
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)2a



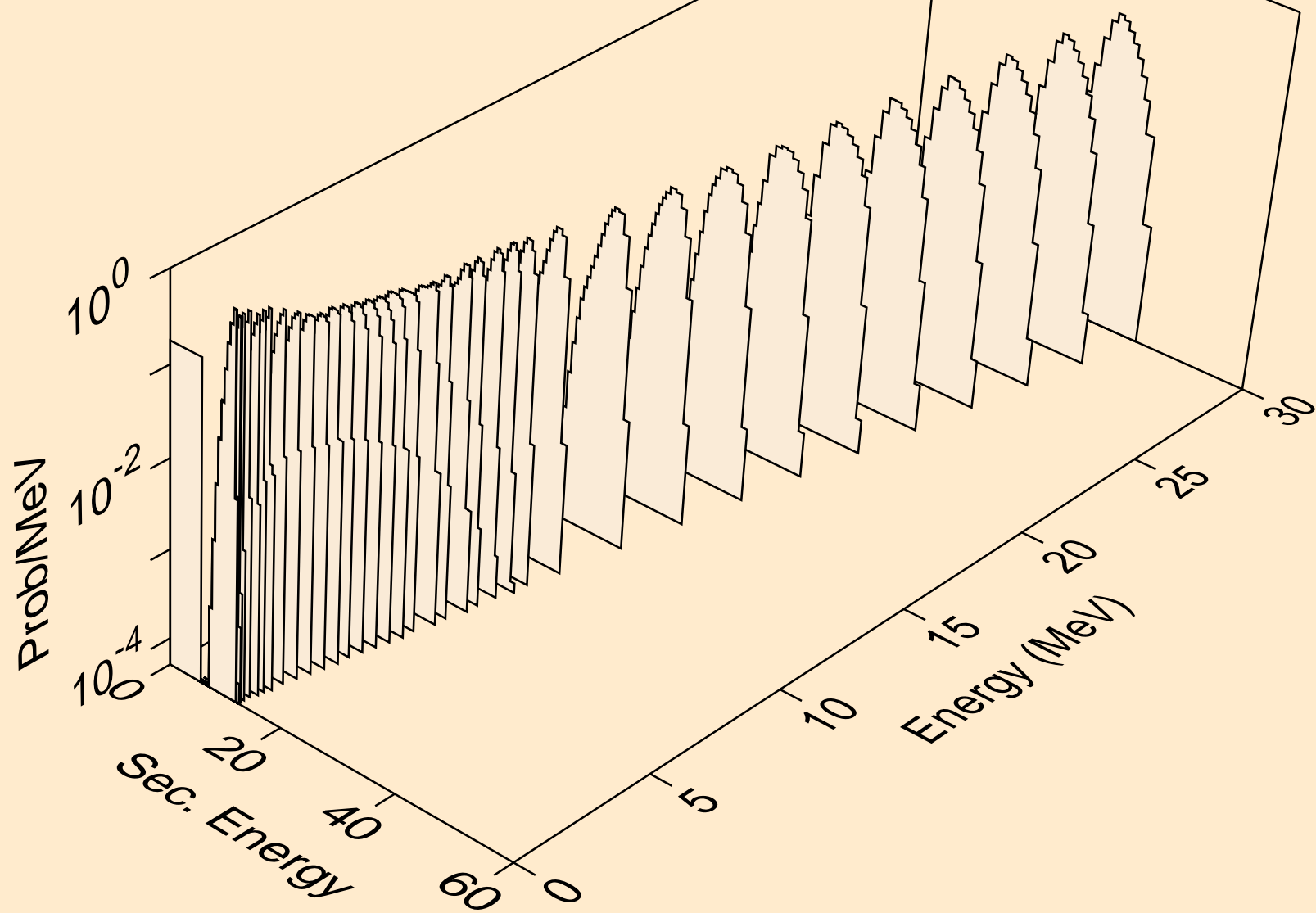
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2n)2a



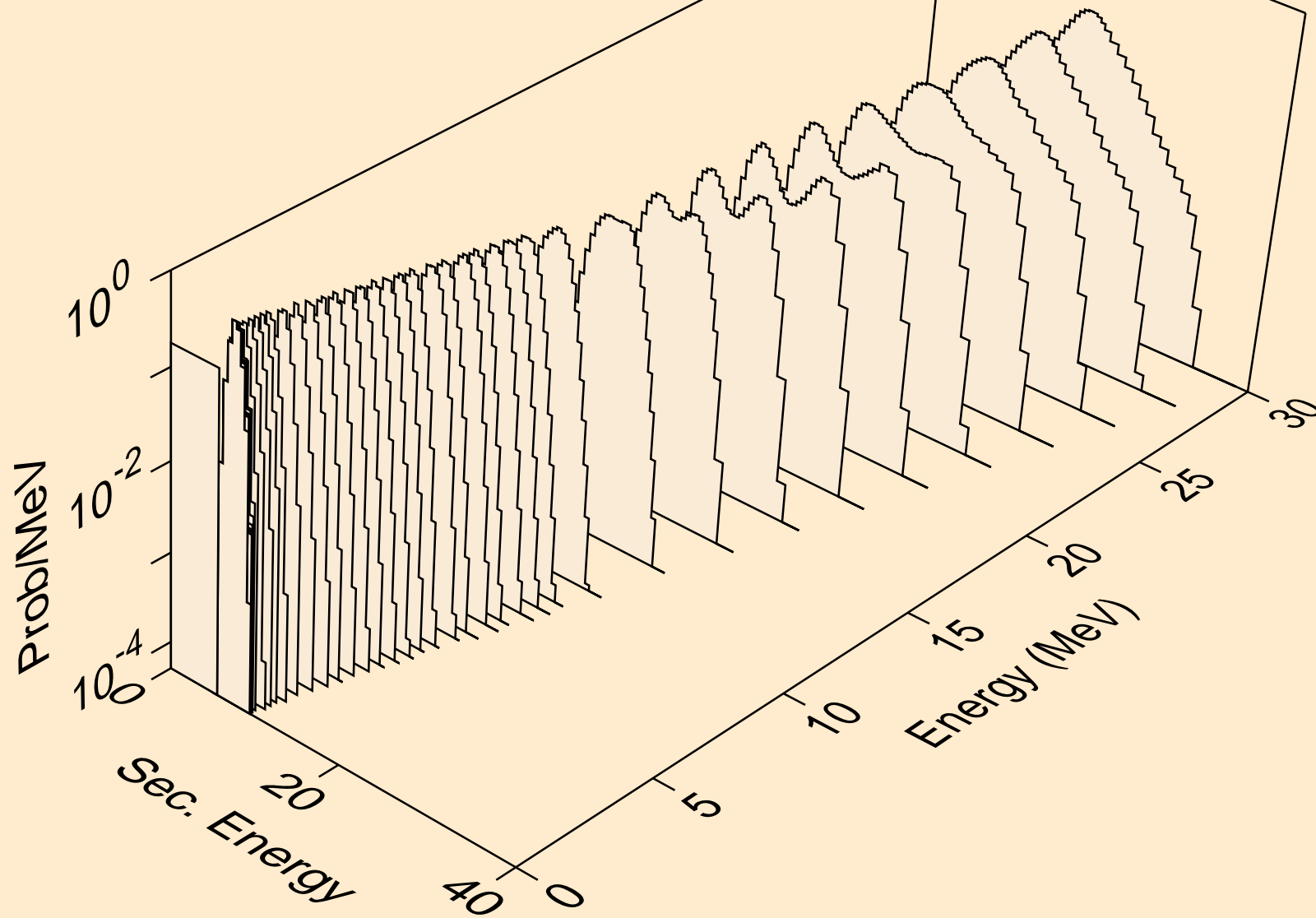
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,npa)



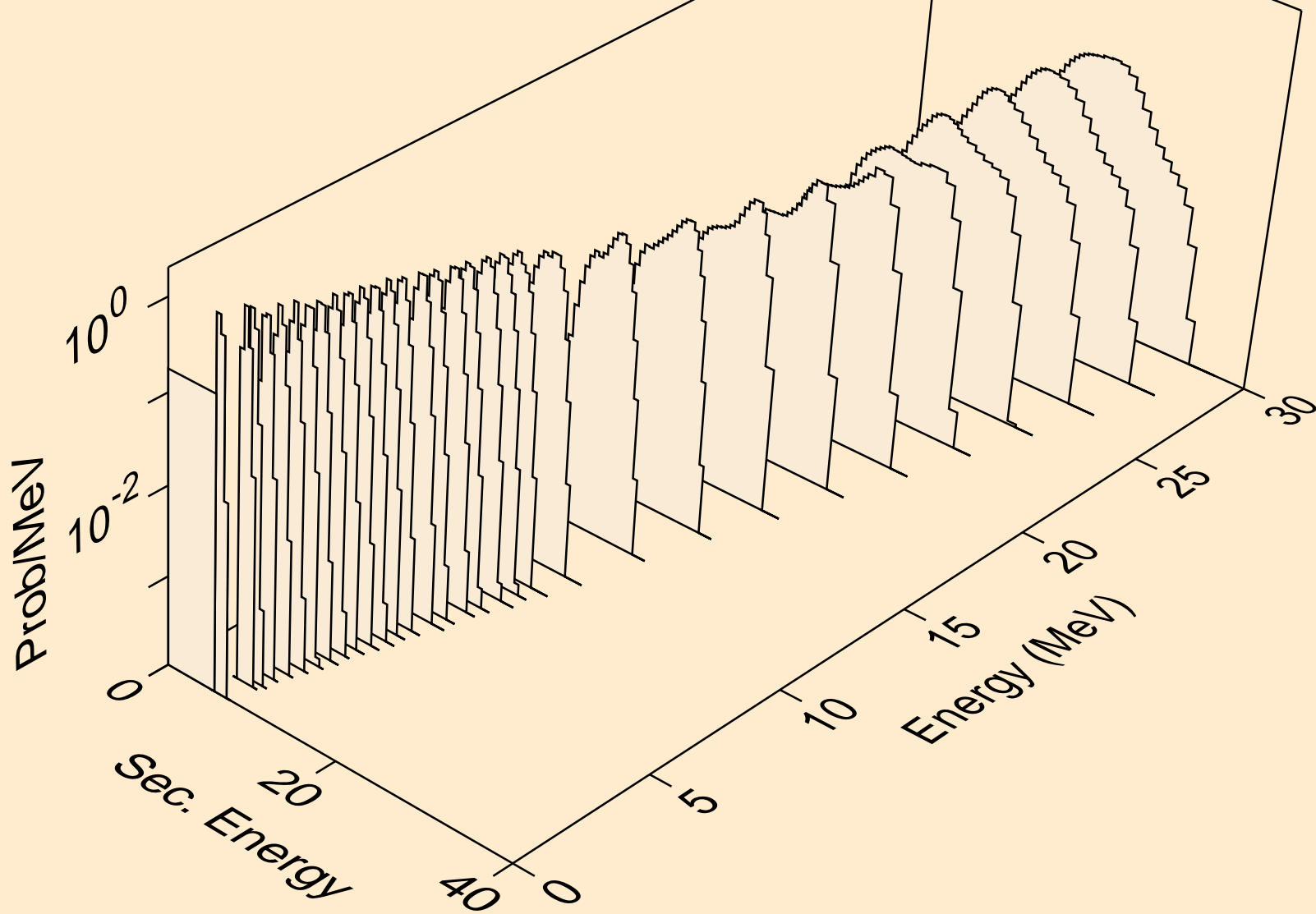
IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,a)



IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2a)



IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,pa)



IR184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,da)

