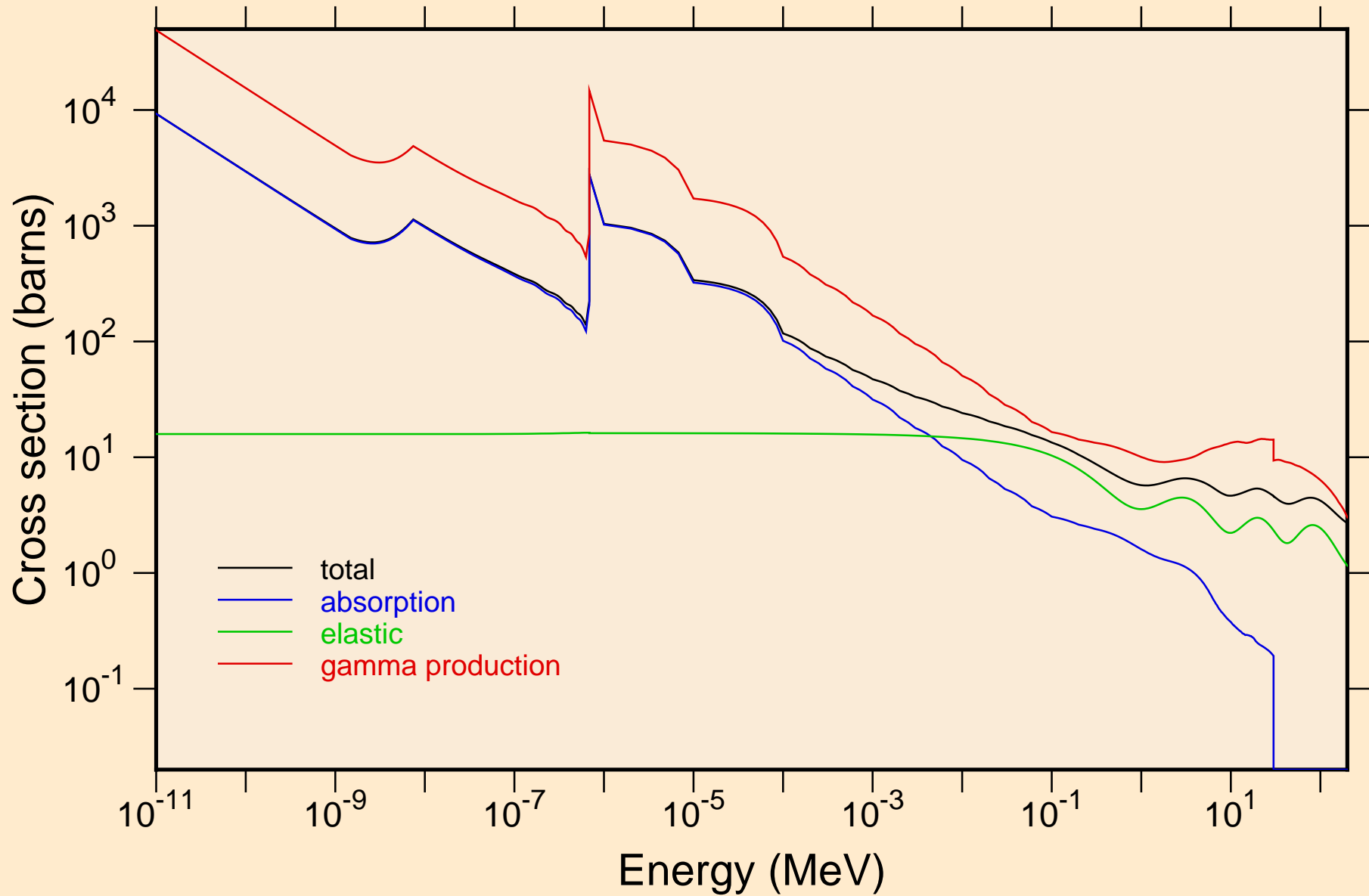


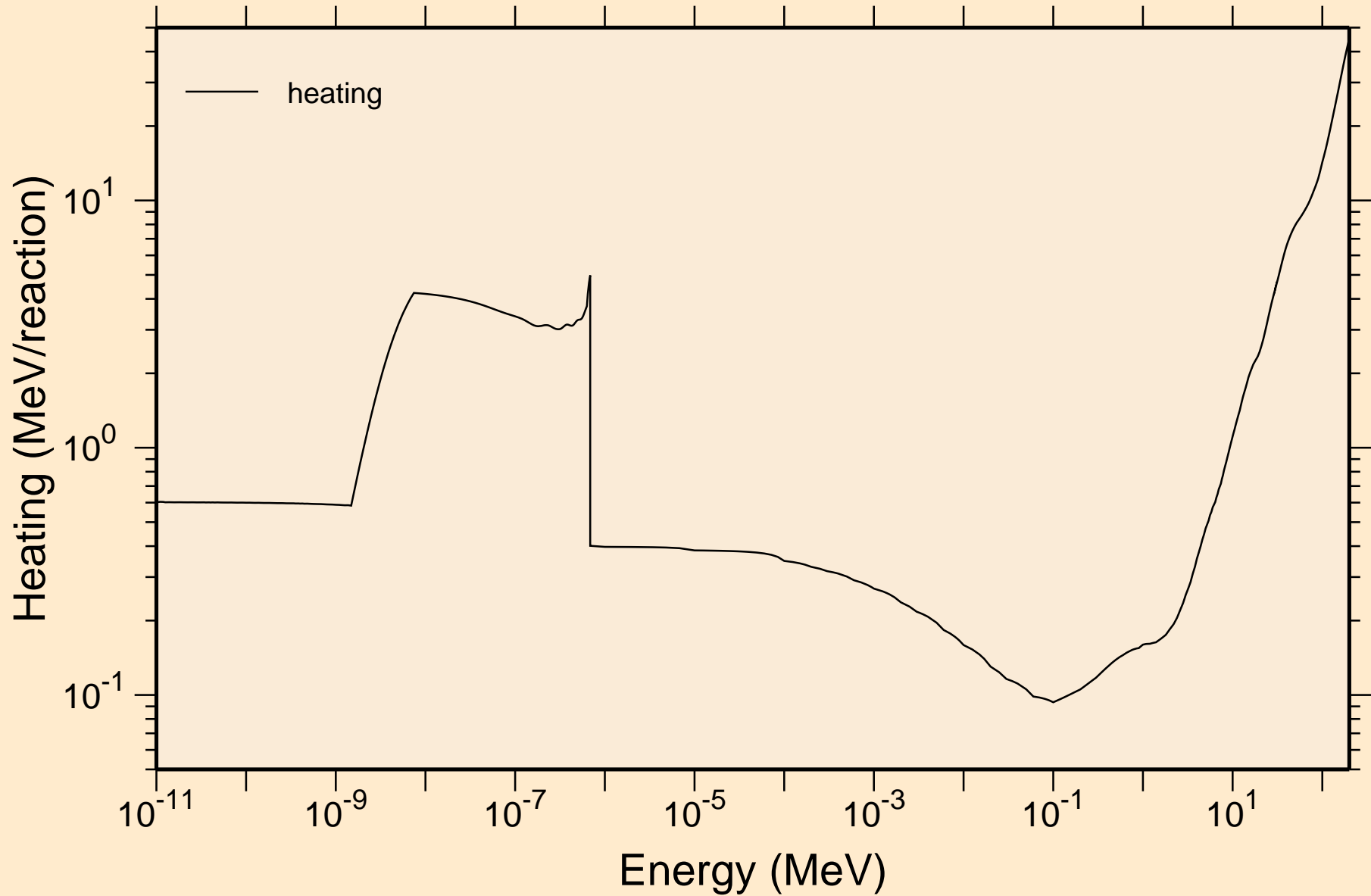
# IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections



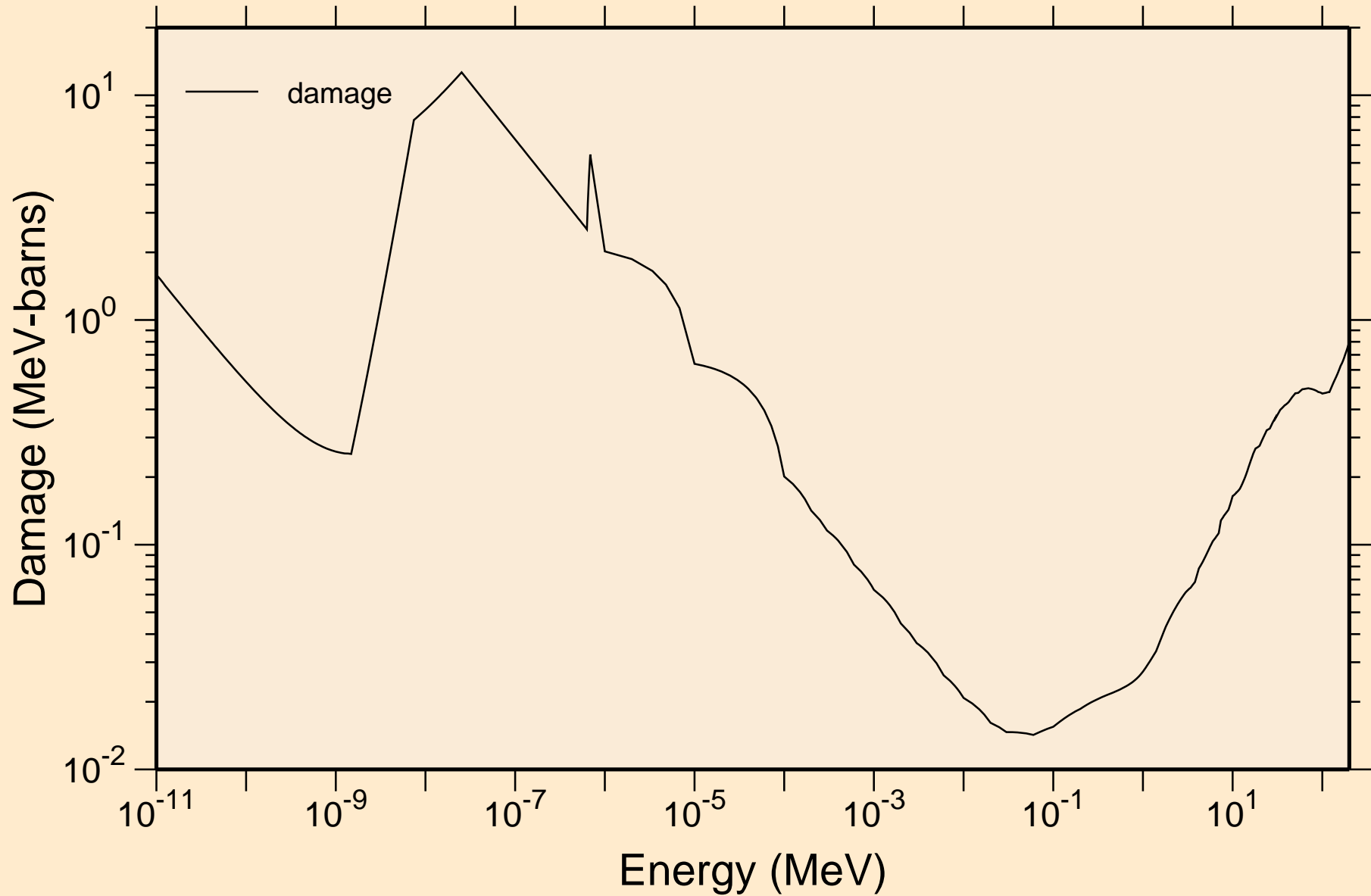
# IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Heating



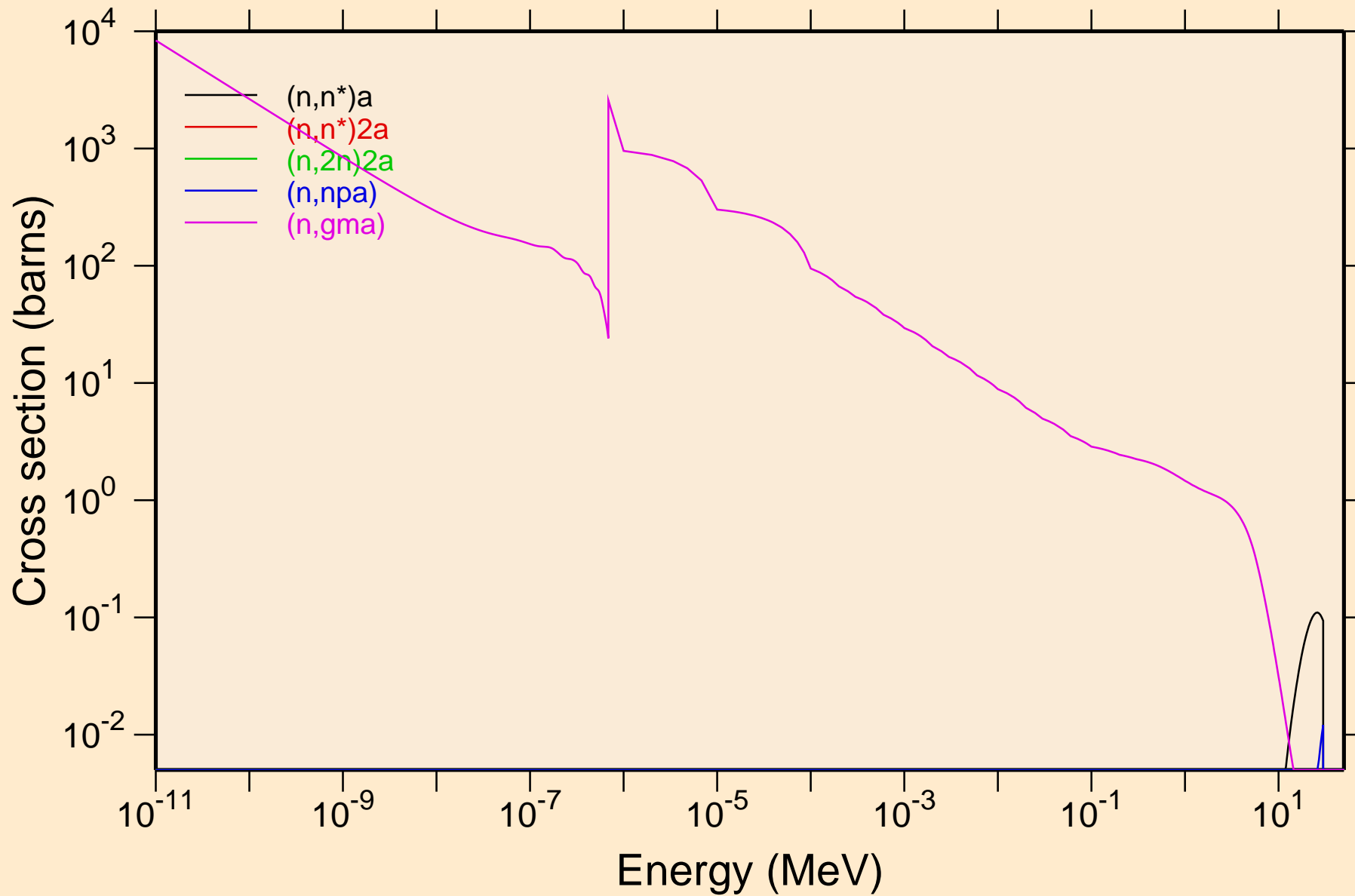
# IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Damage



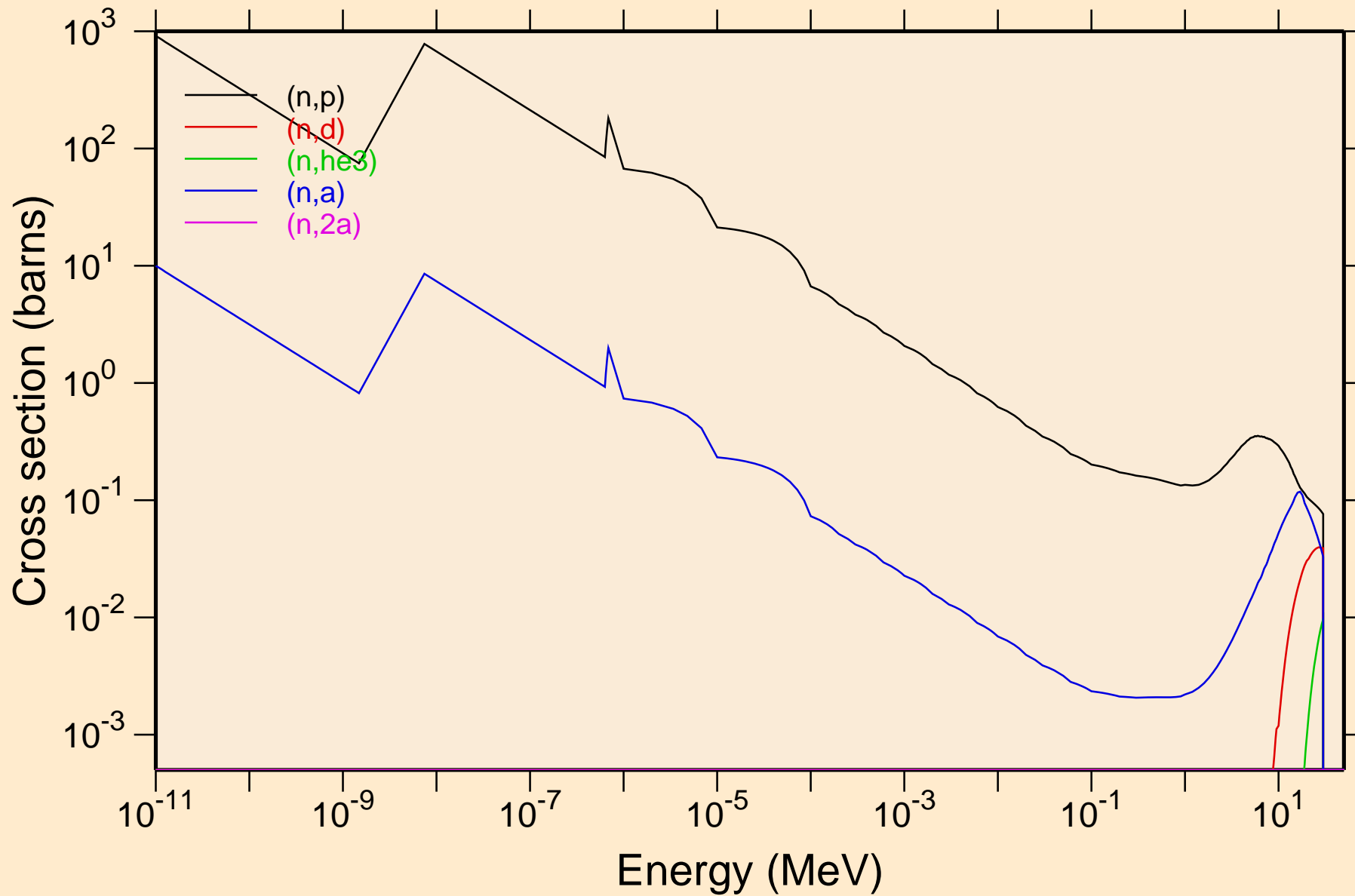
# IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Non-threshold reactions

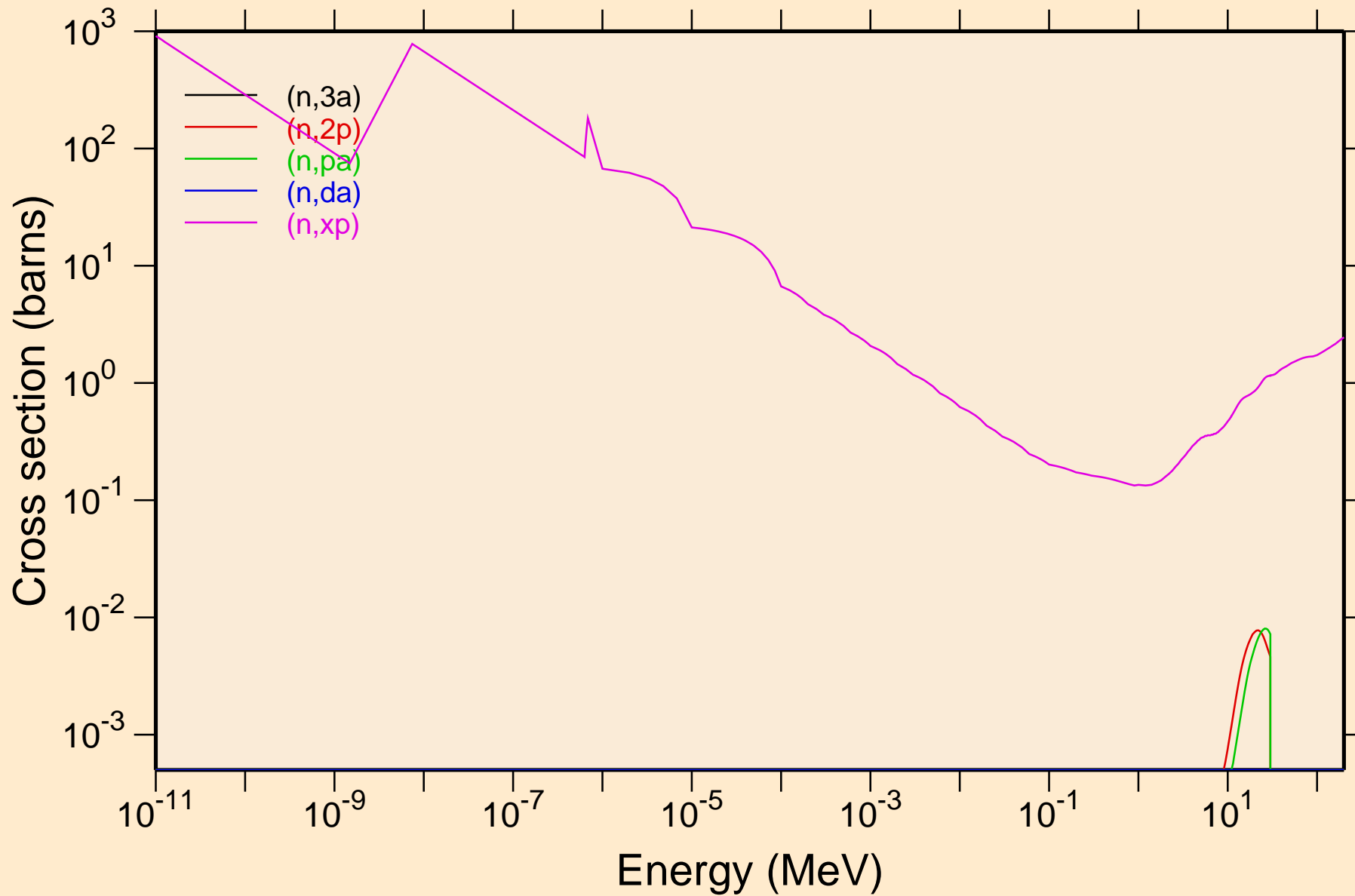


# IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Non-threshold reactions

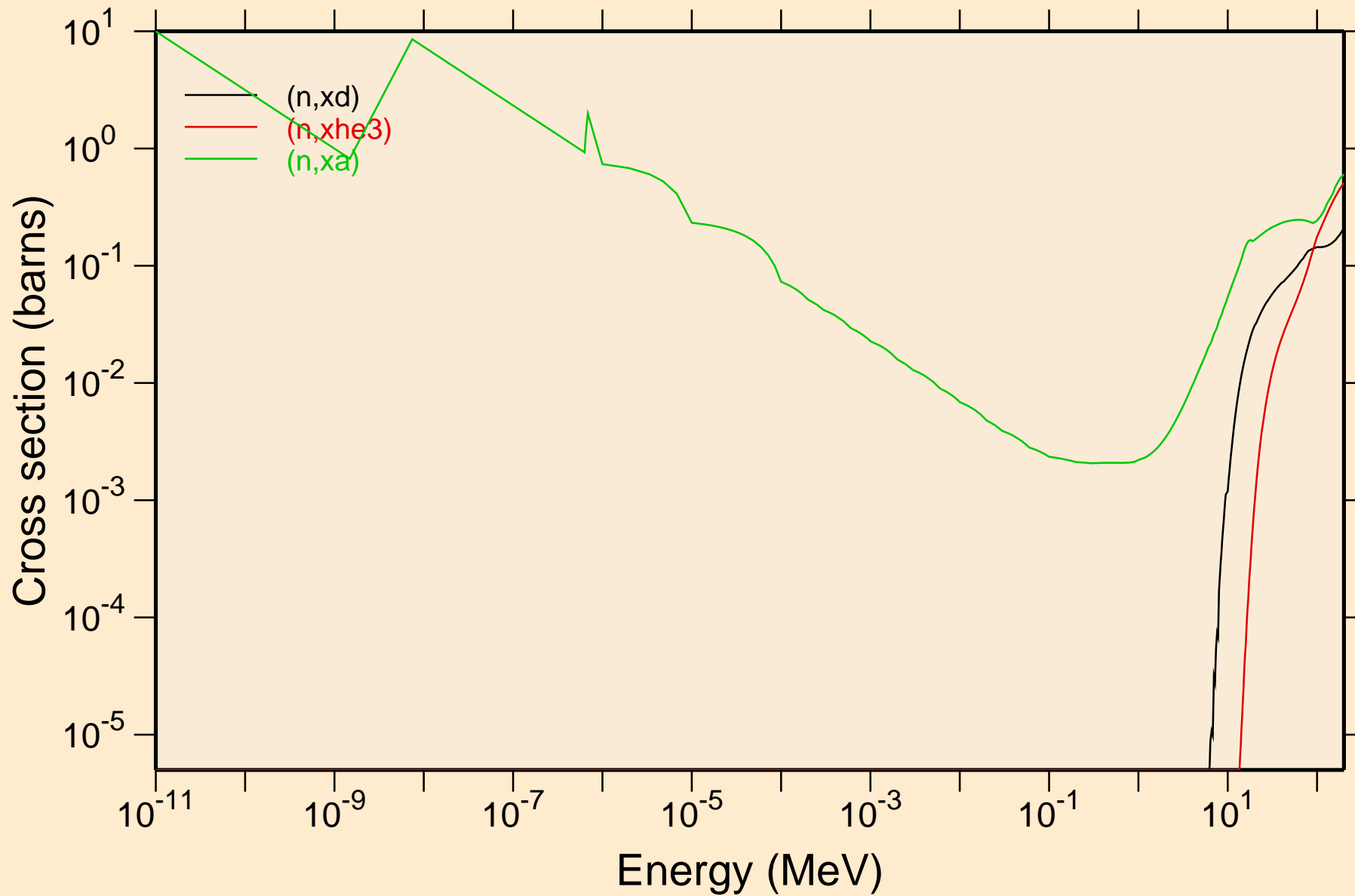


IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



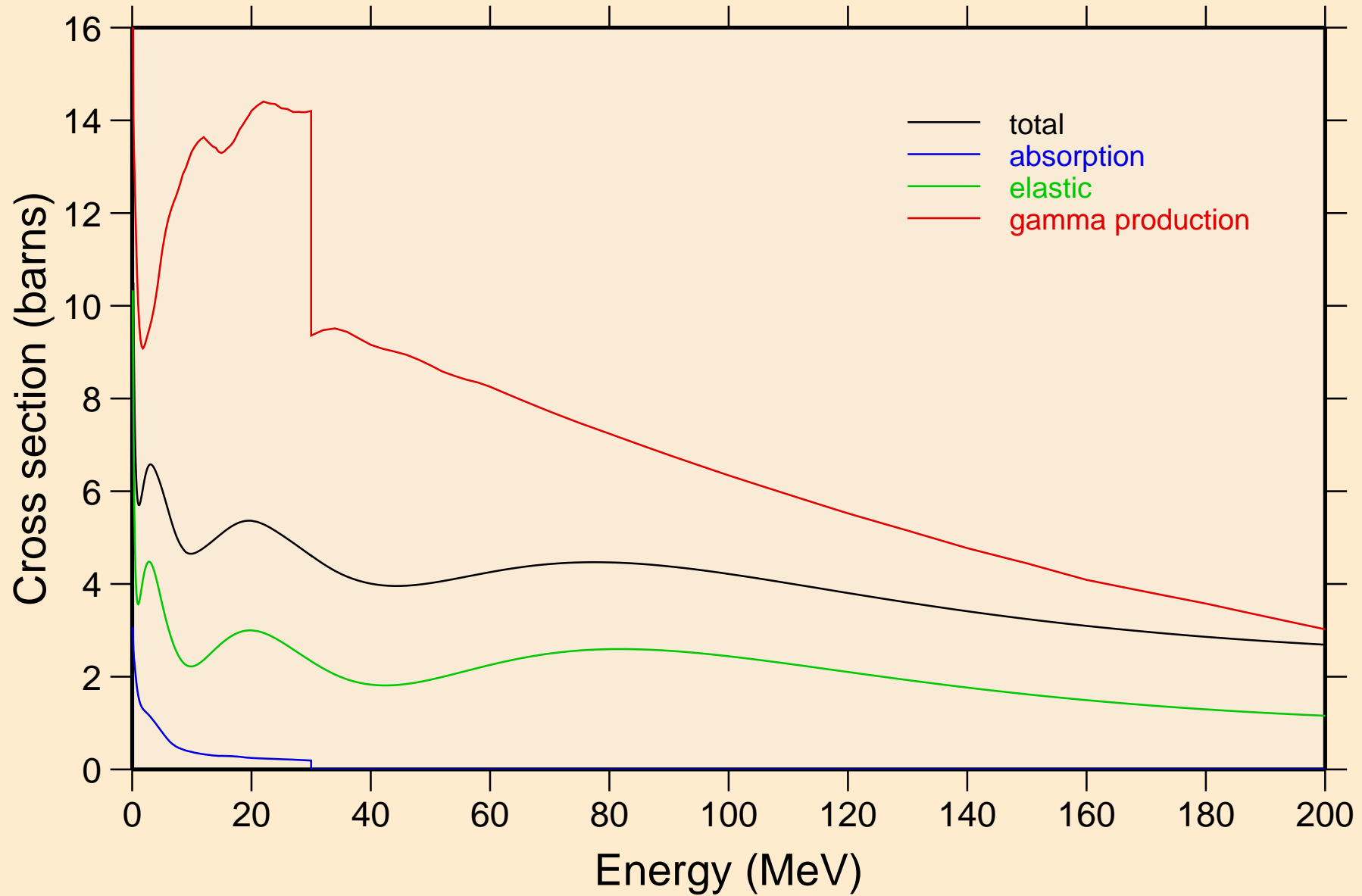
# IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Non-threshold reactions



# IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

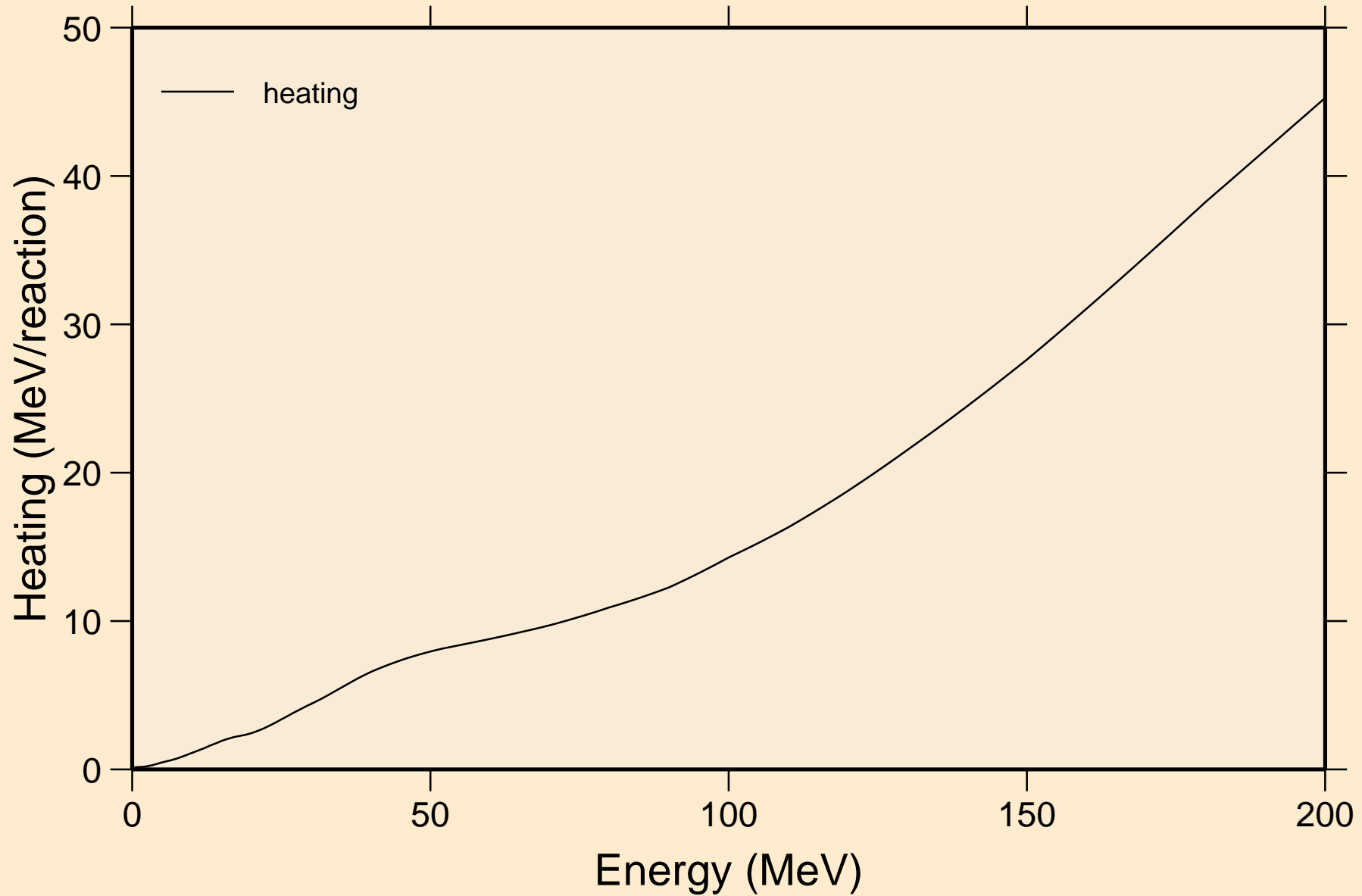
## Principal cross sections





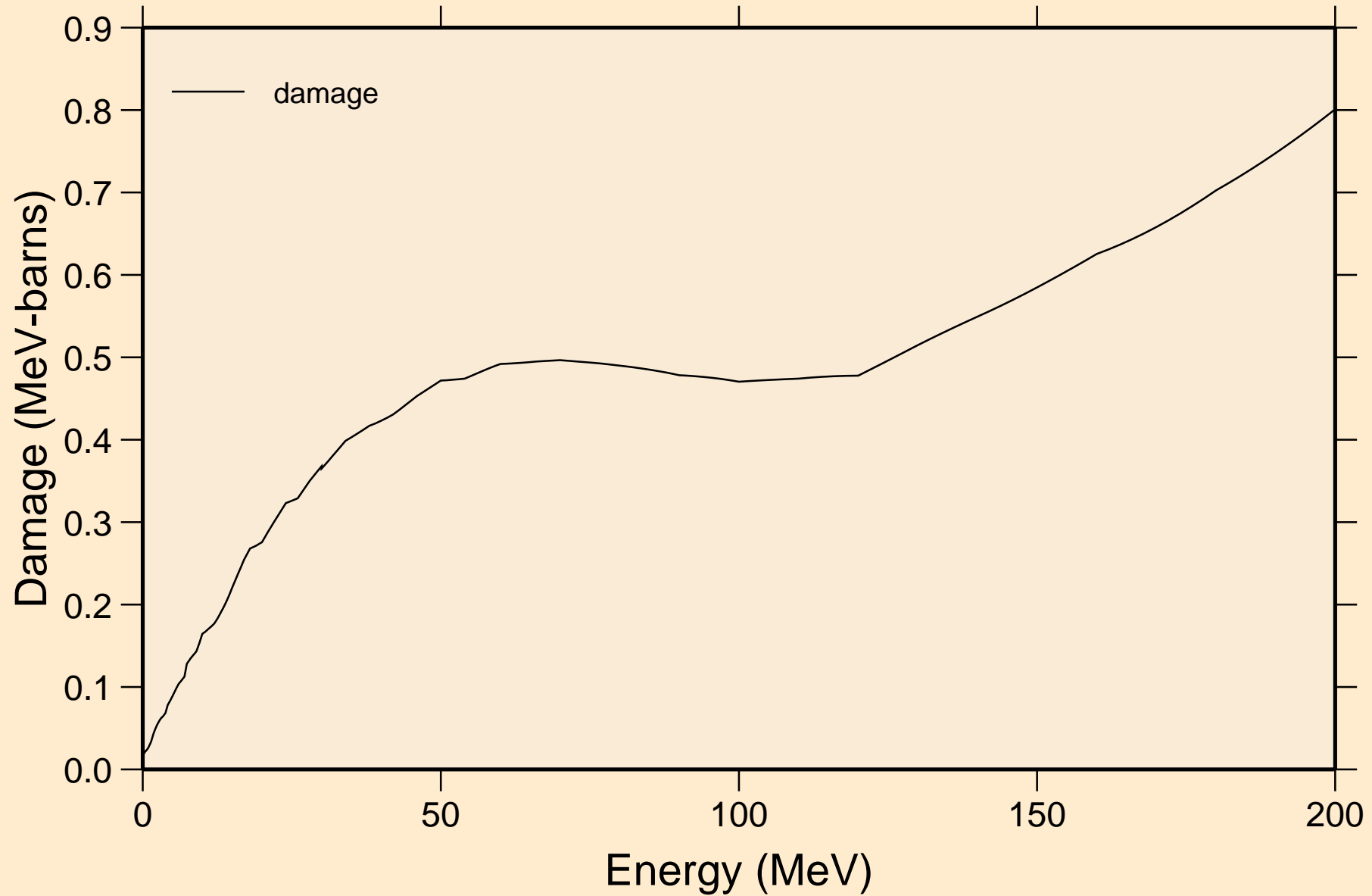
# IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Heating



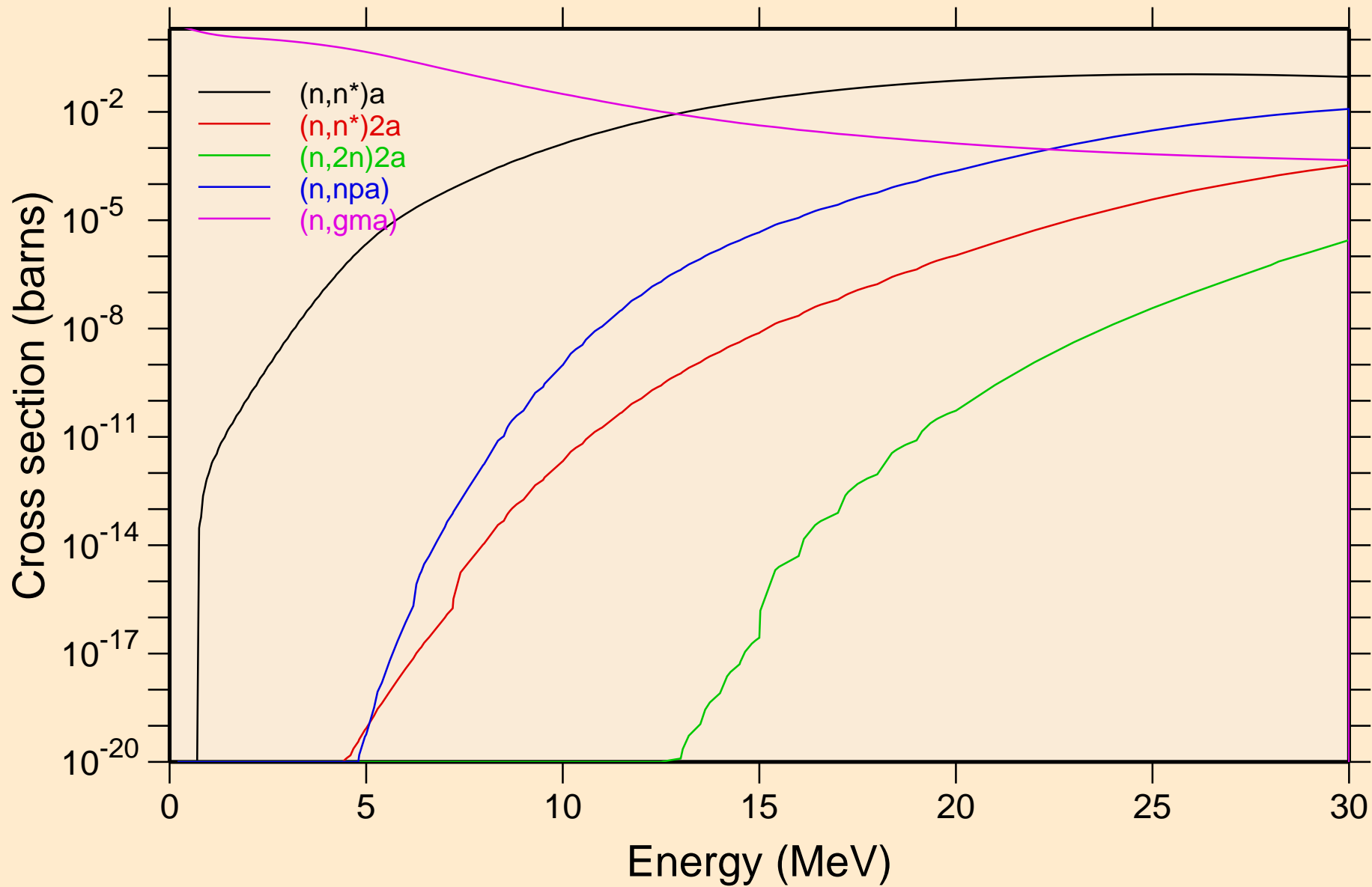
# IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Damage



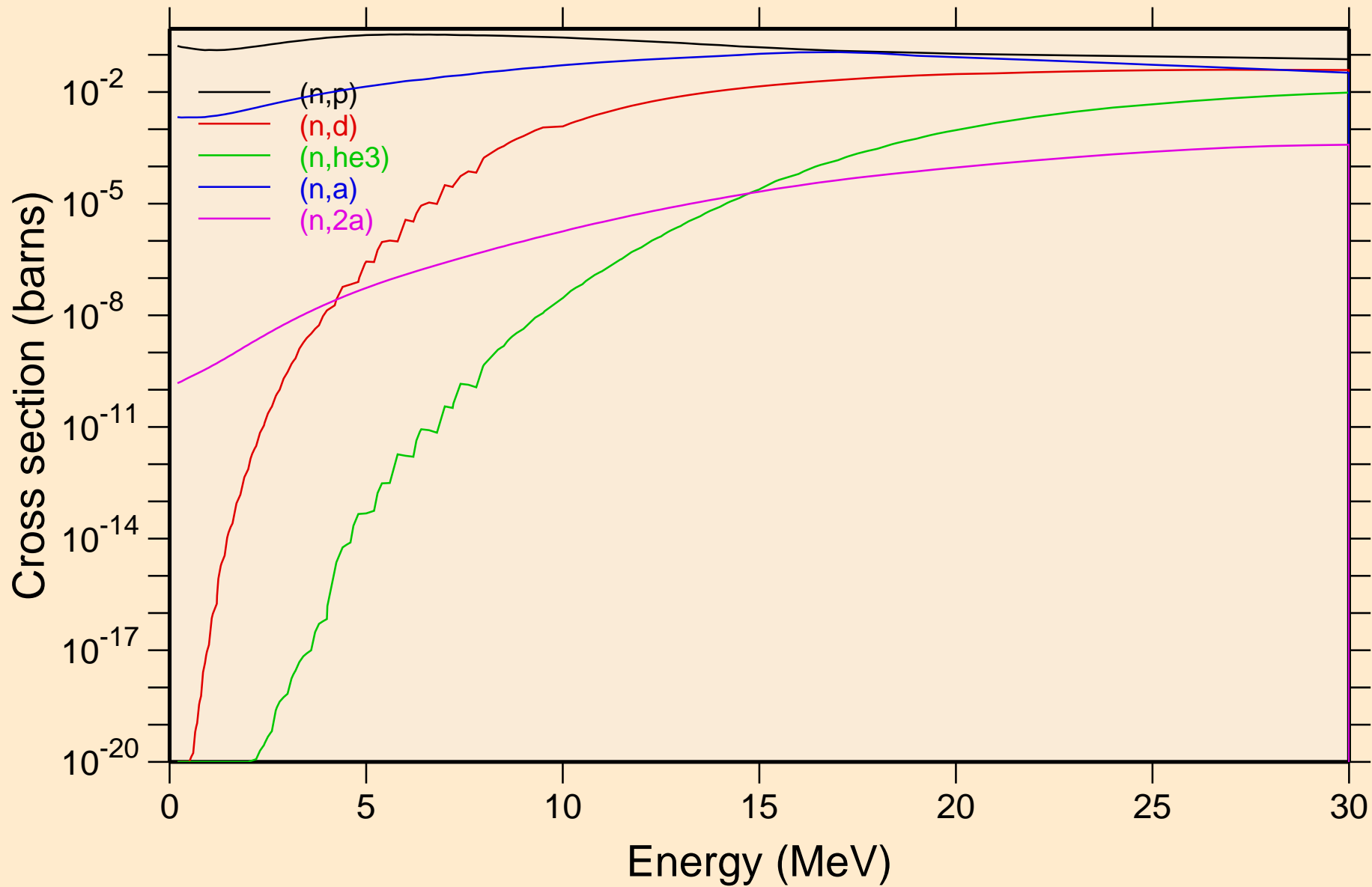
# IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Non-threshold reactions



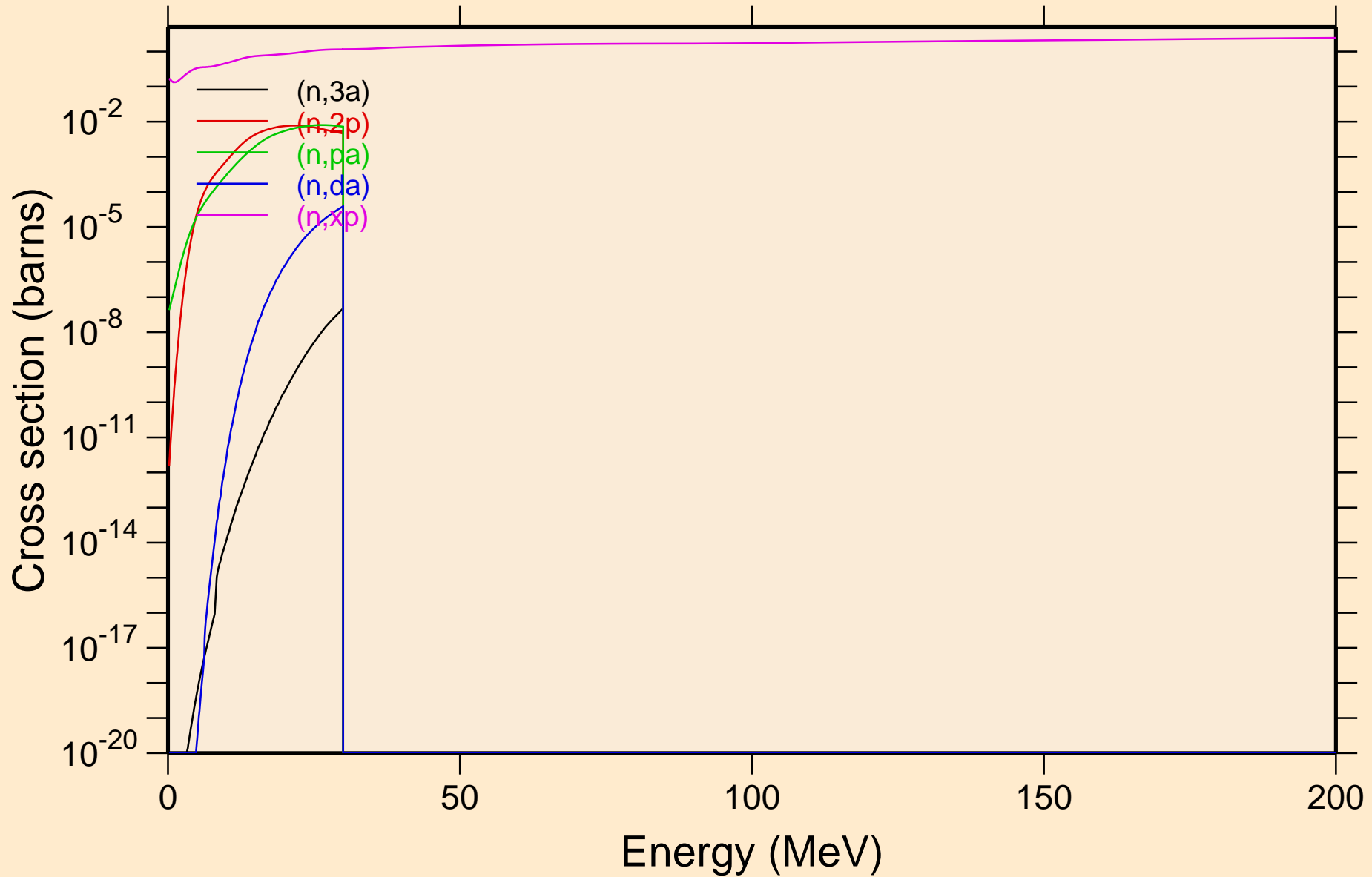
# IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Non-threshold reactions

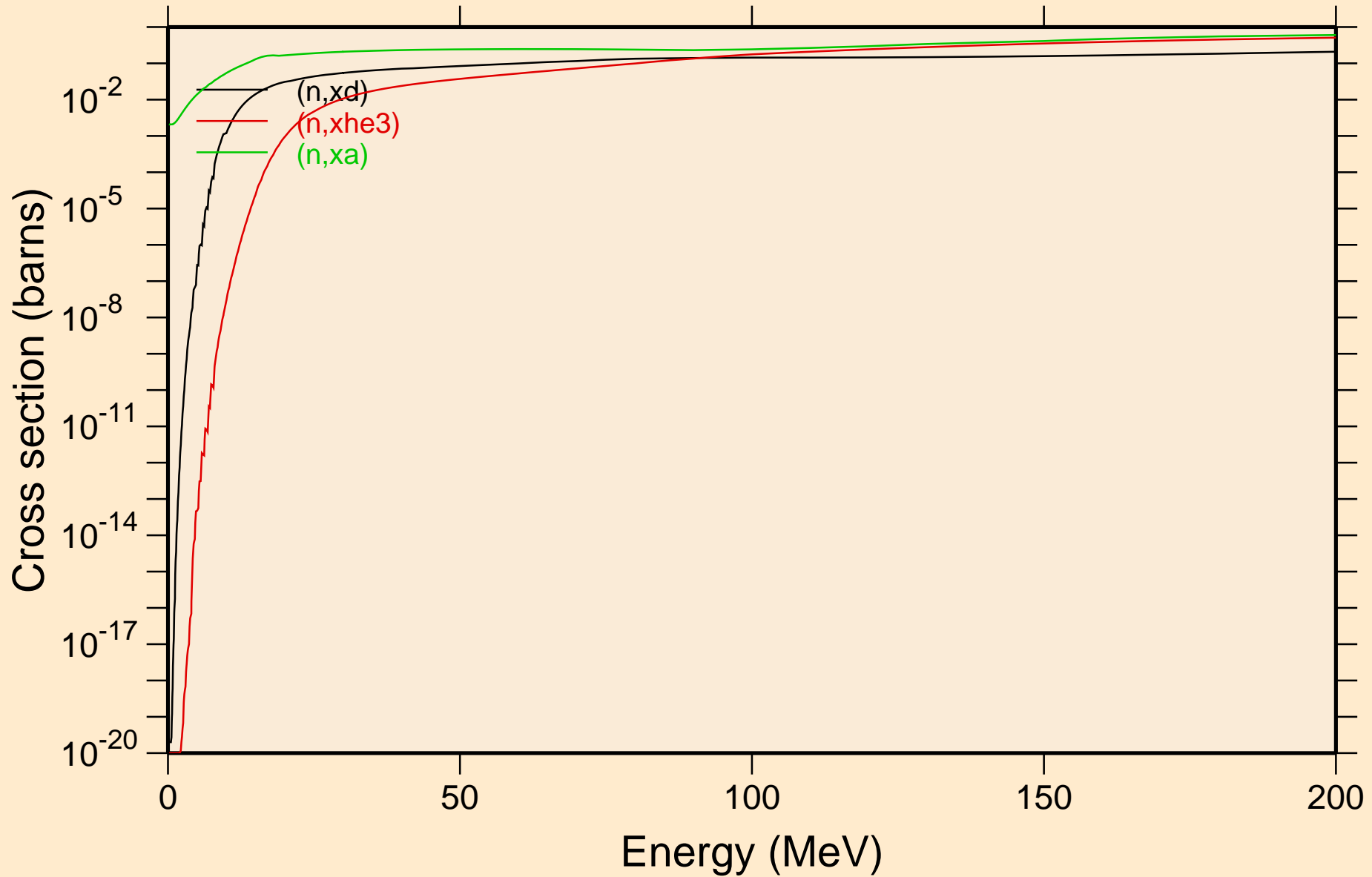


# IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

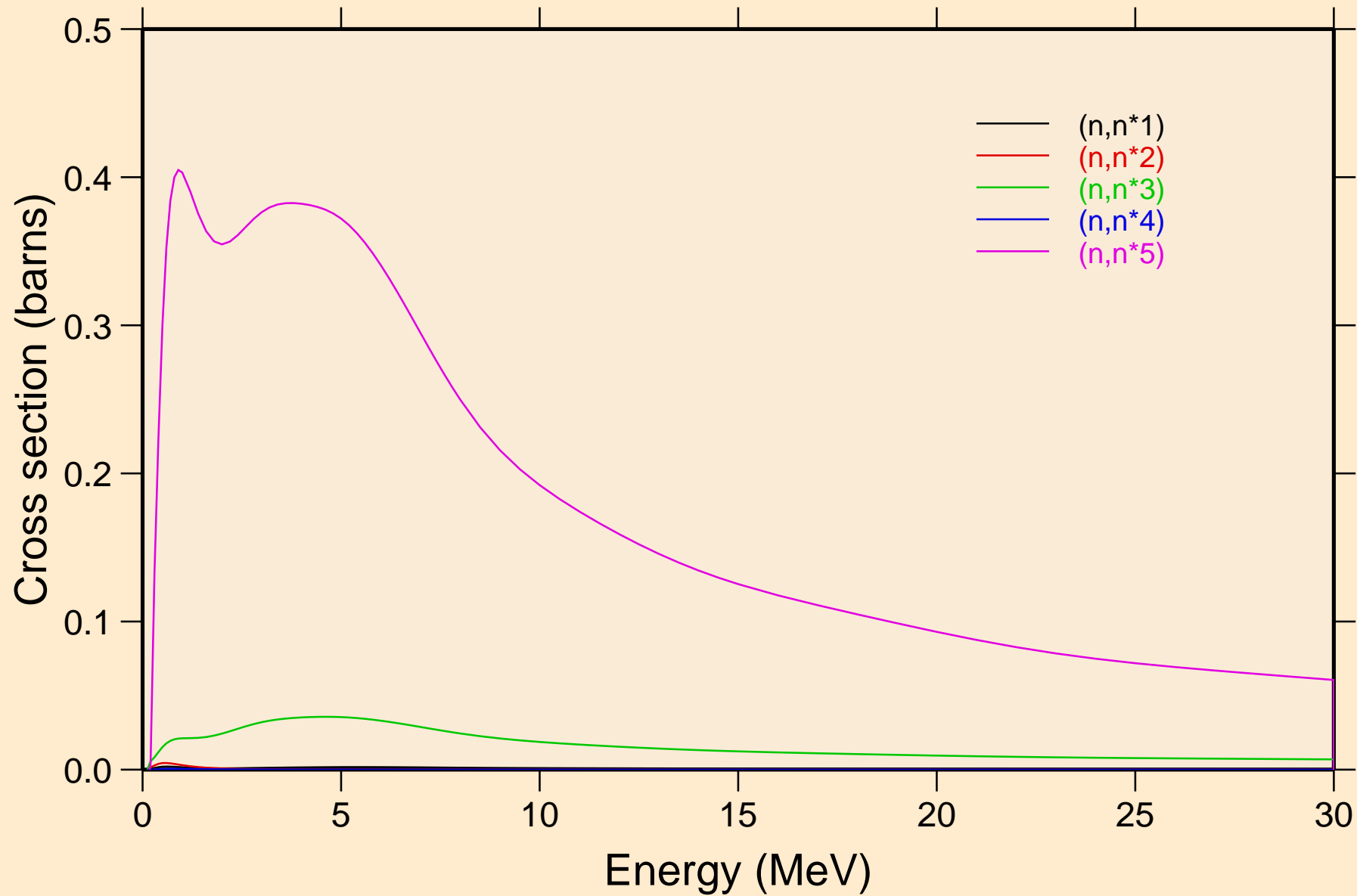
## Non-threshold reactions



IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions

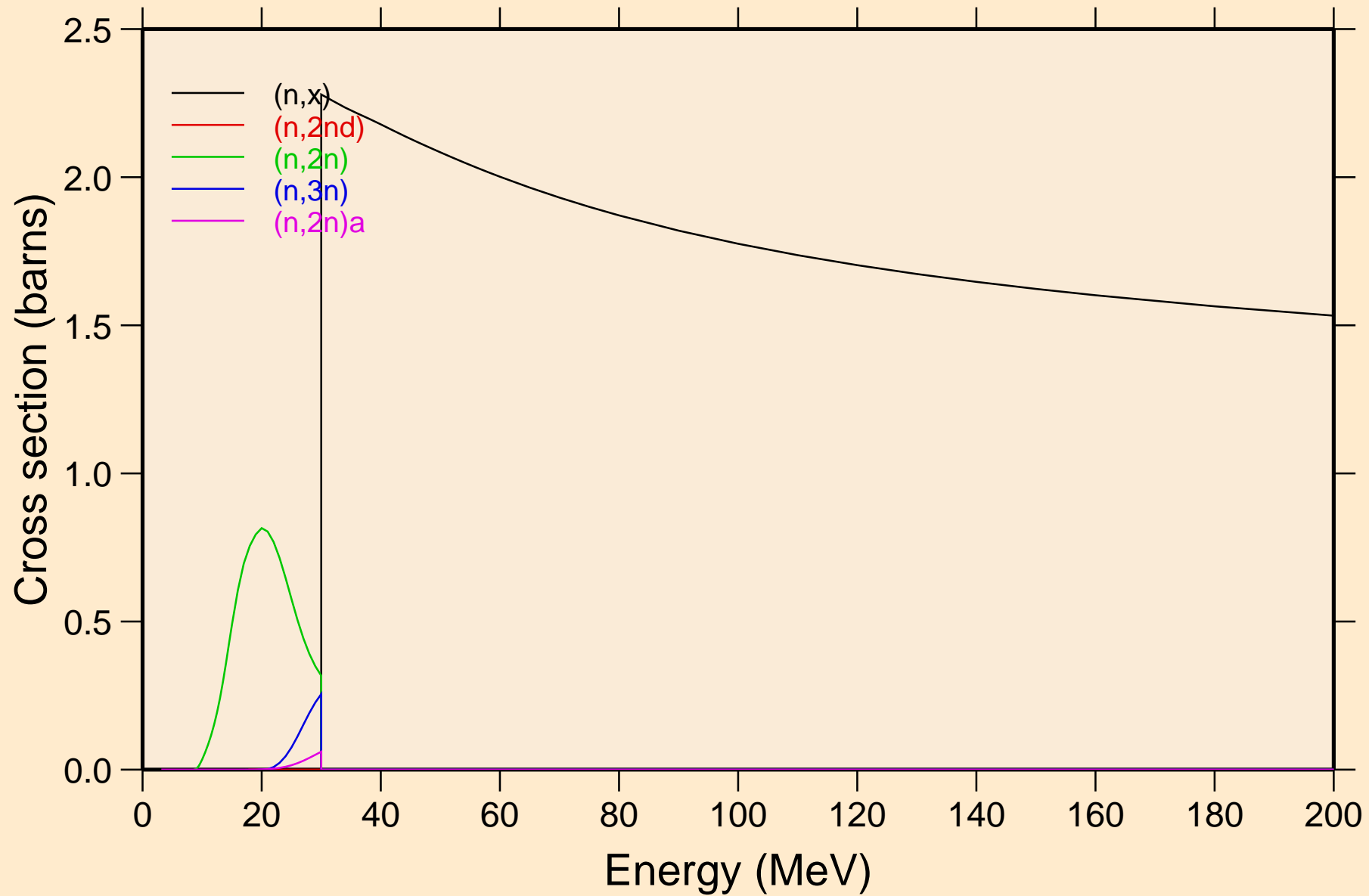


IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



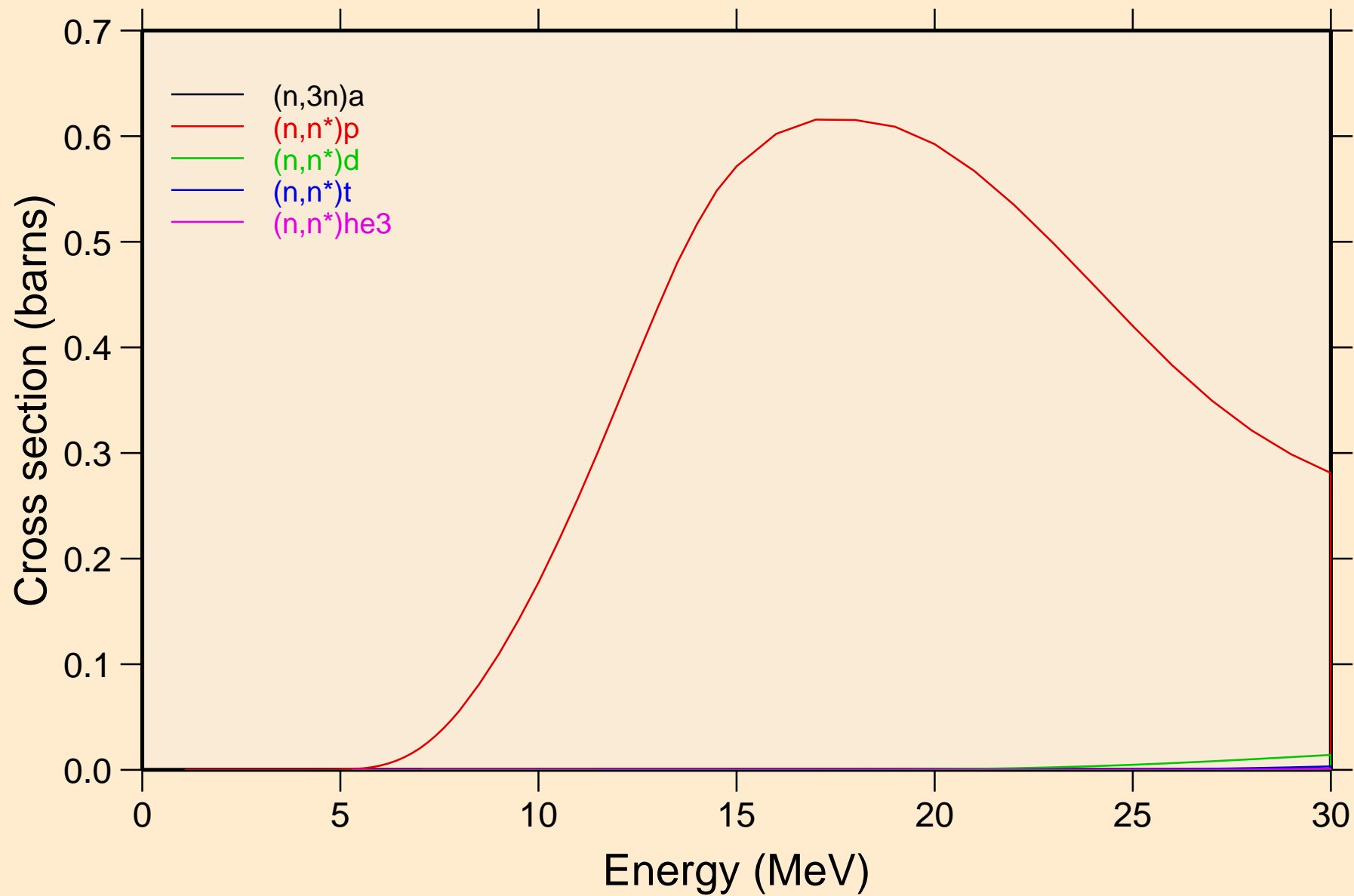
# IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions

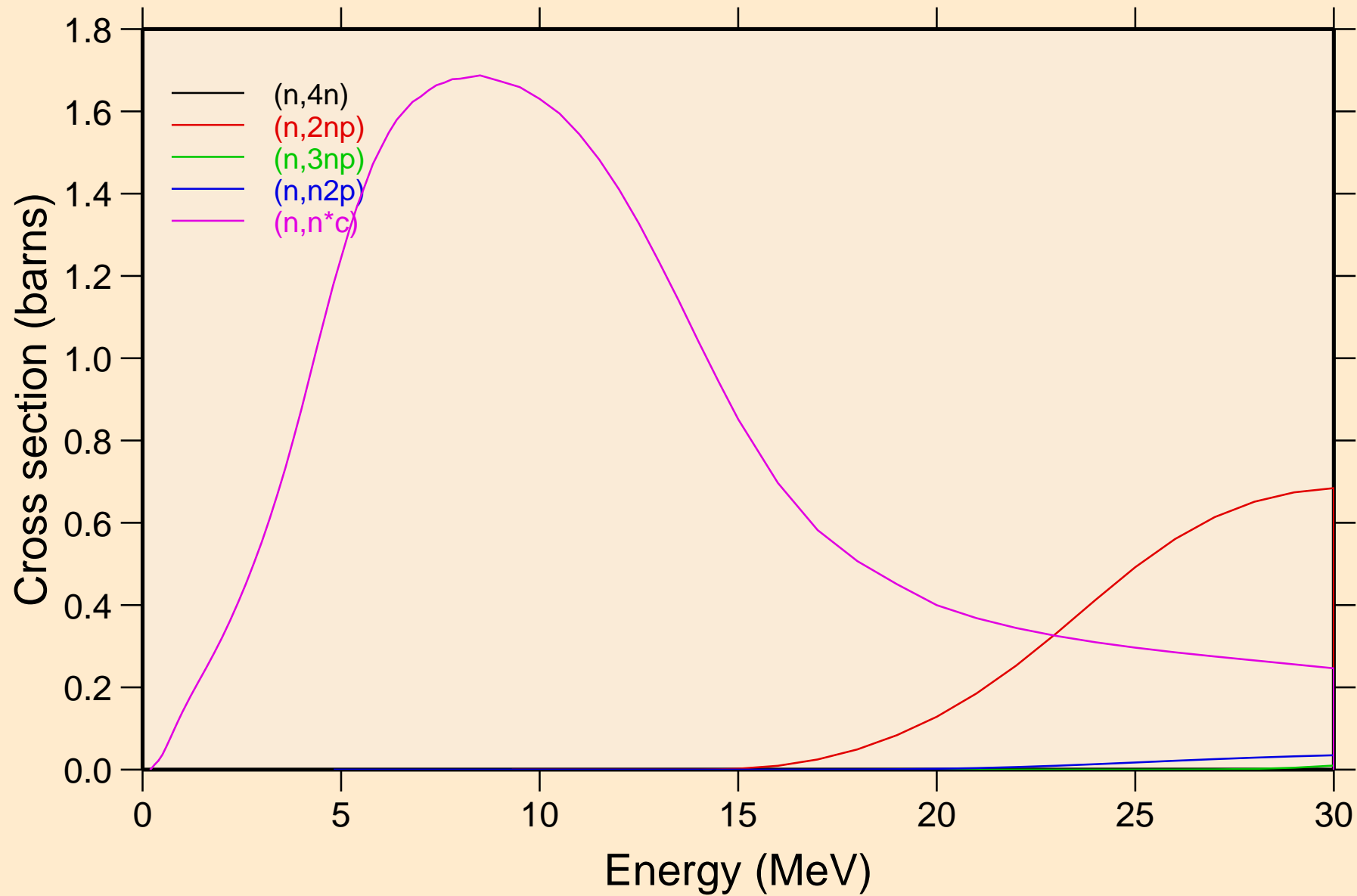




IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions

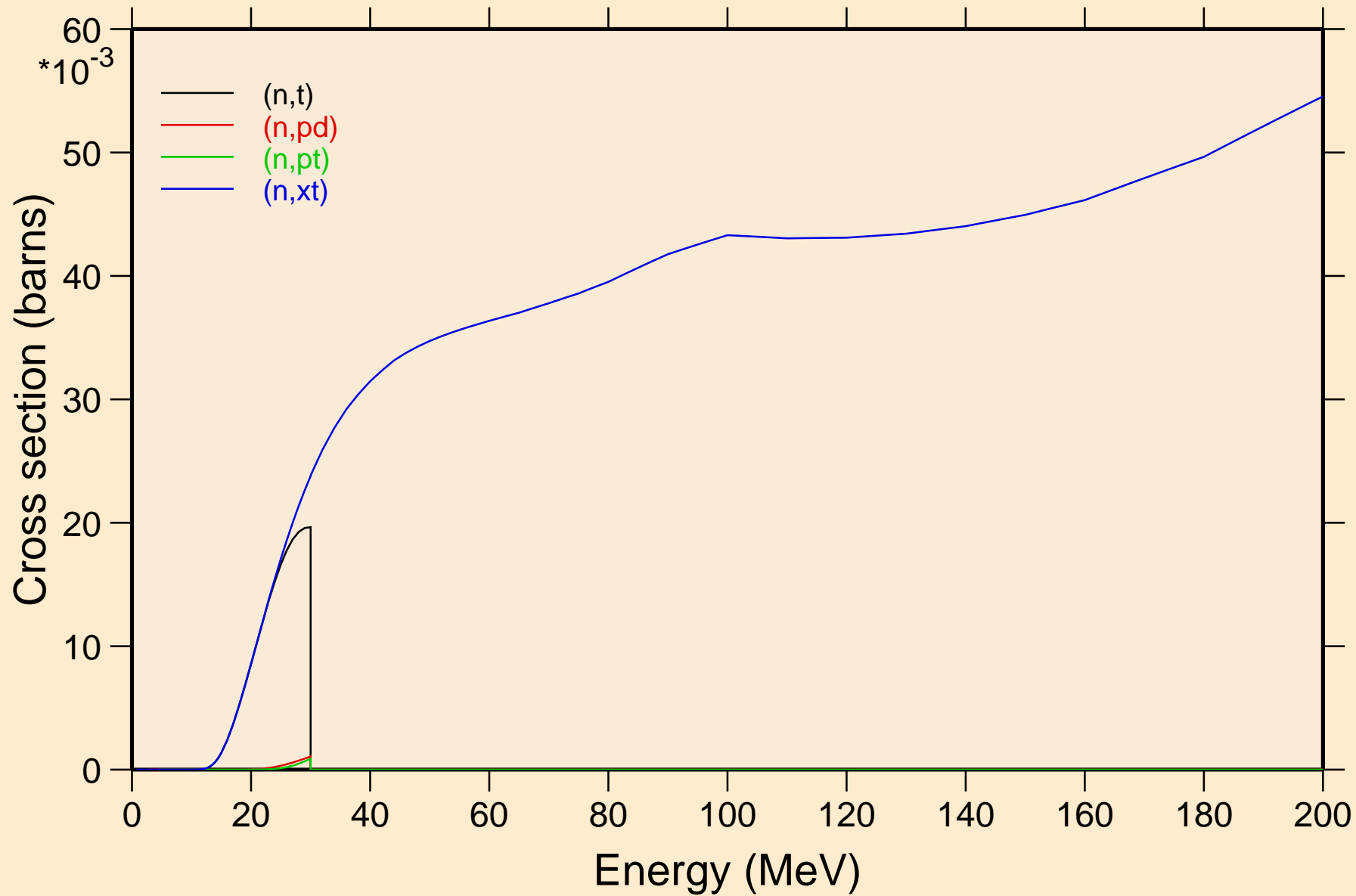


IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions

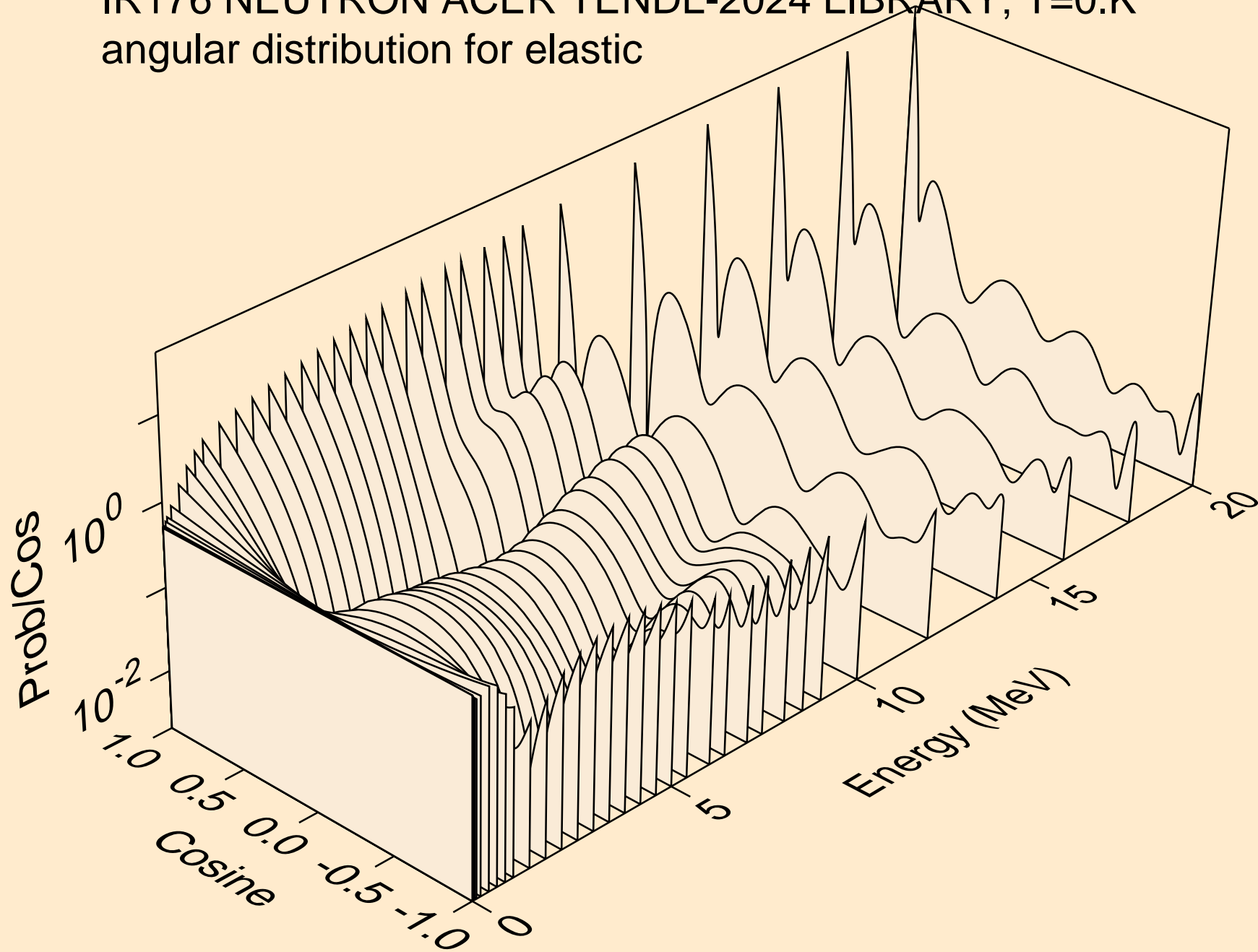


# IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

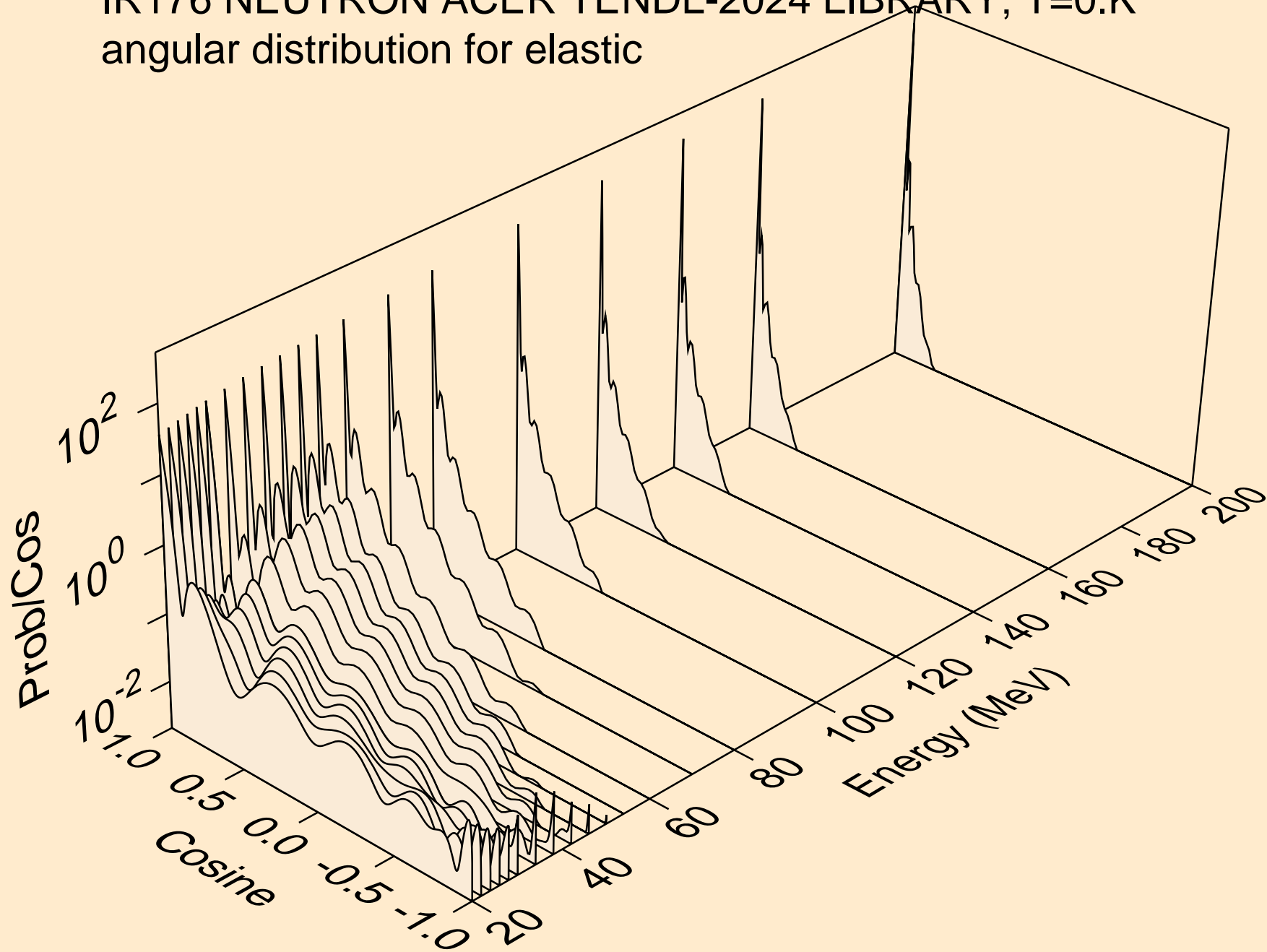
## Threshold reactions



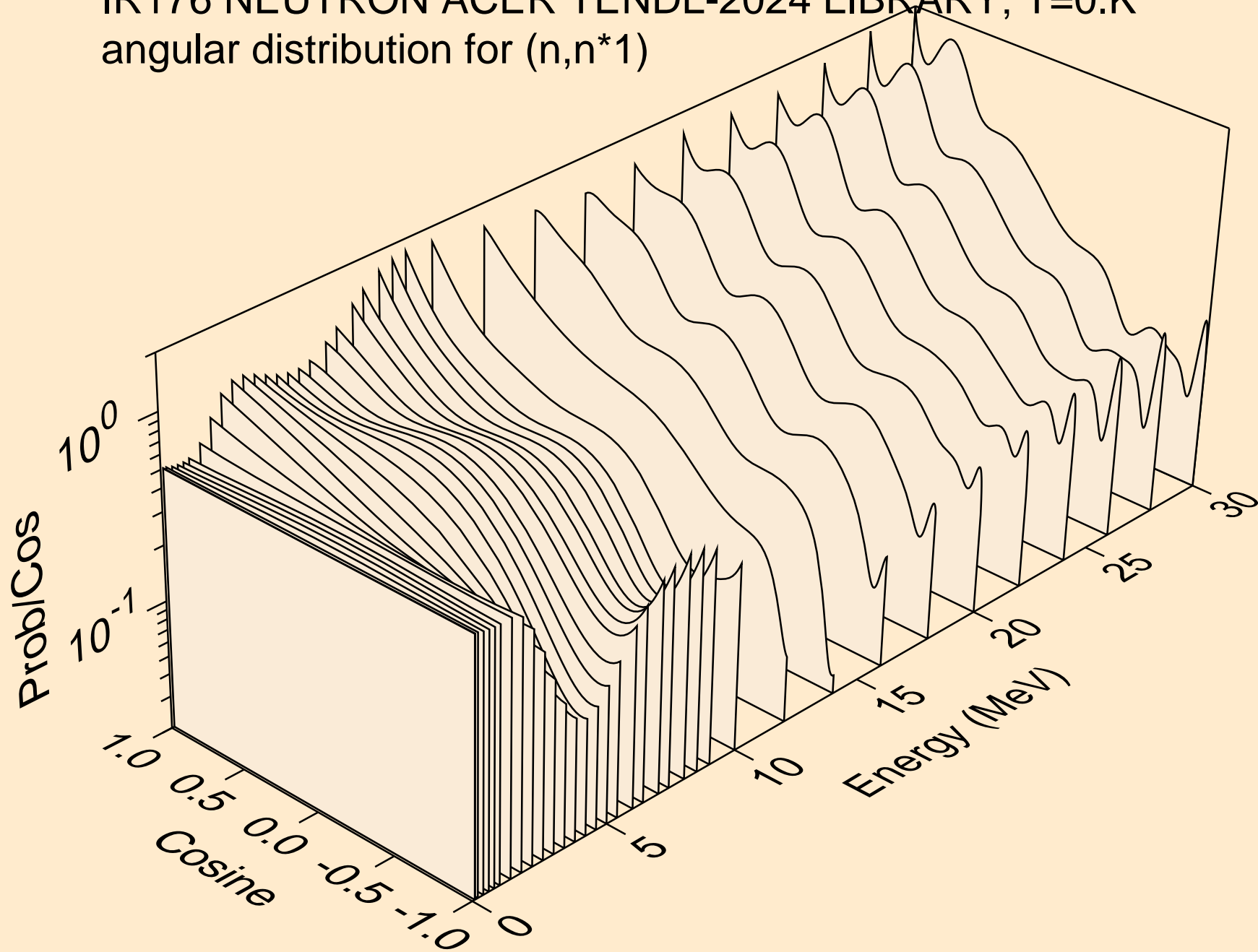
IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



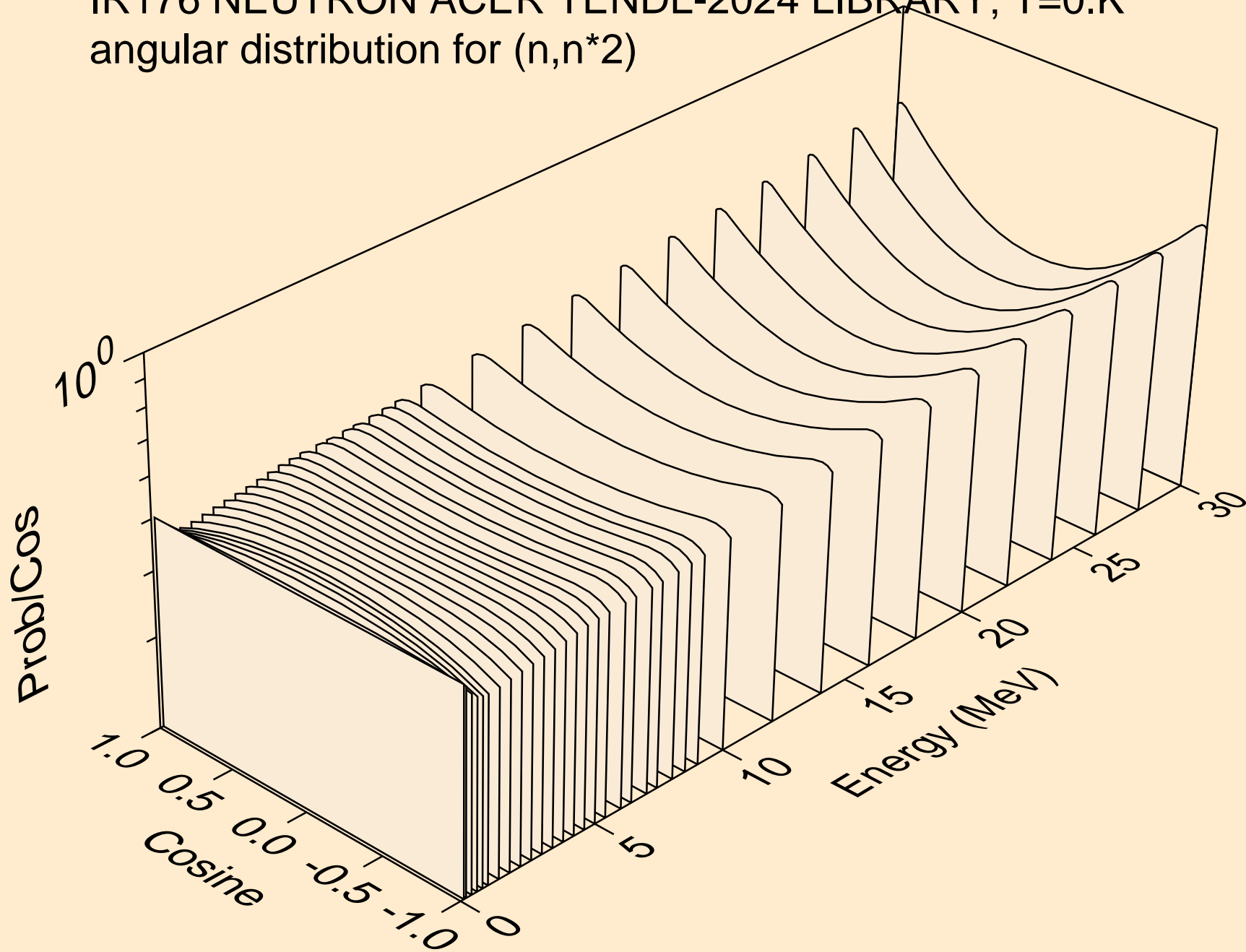
IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



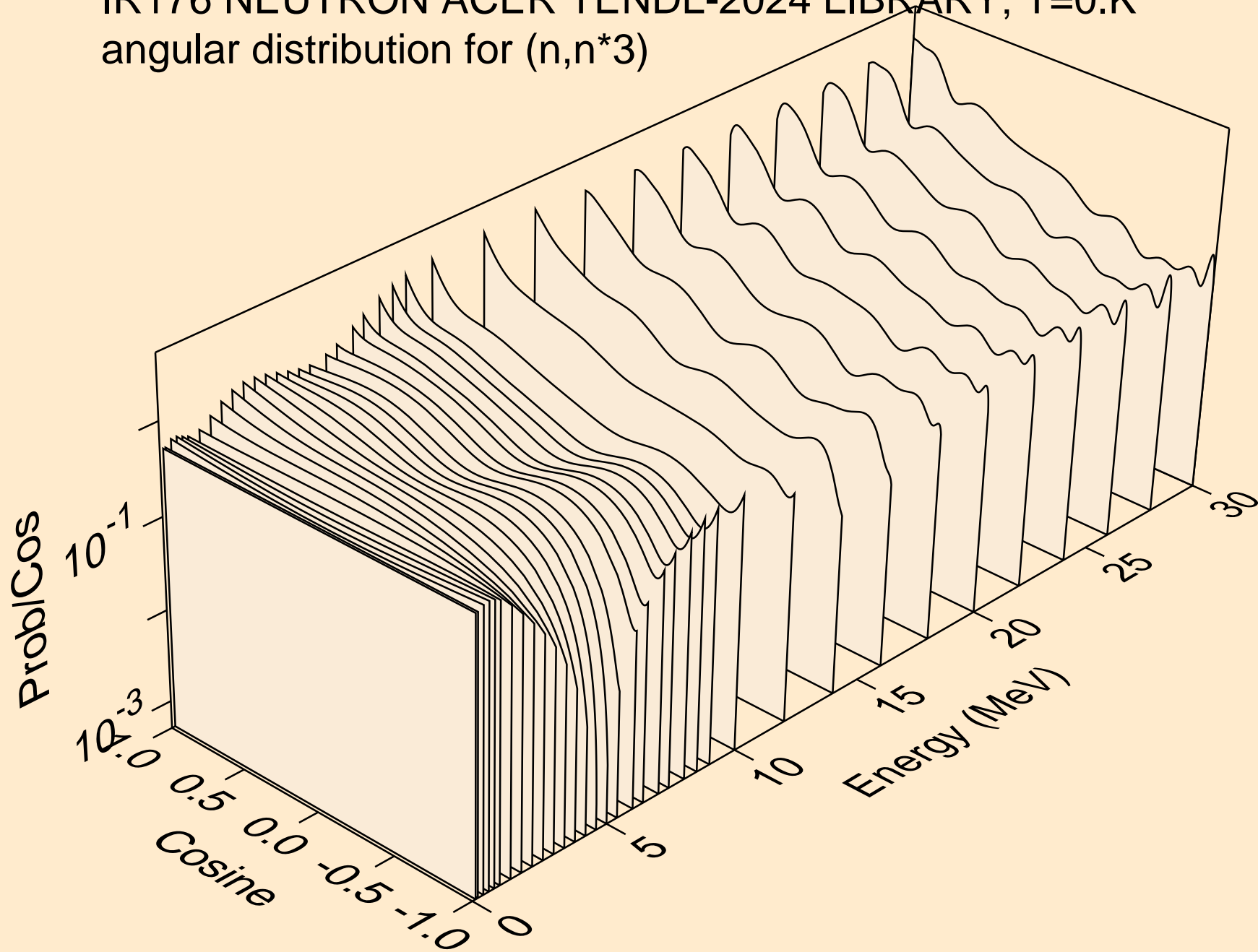
IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*2)

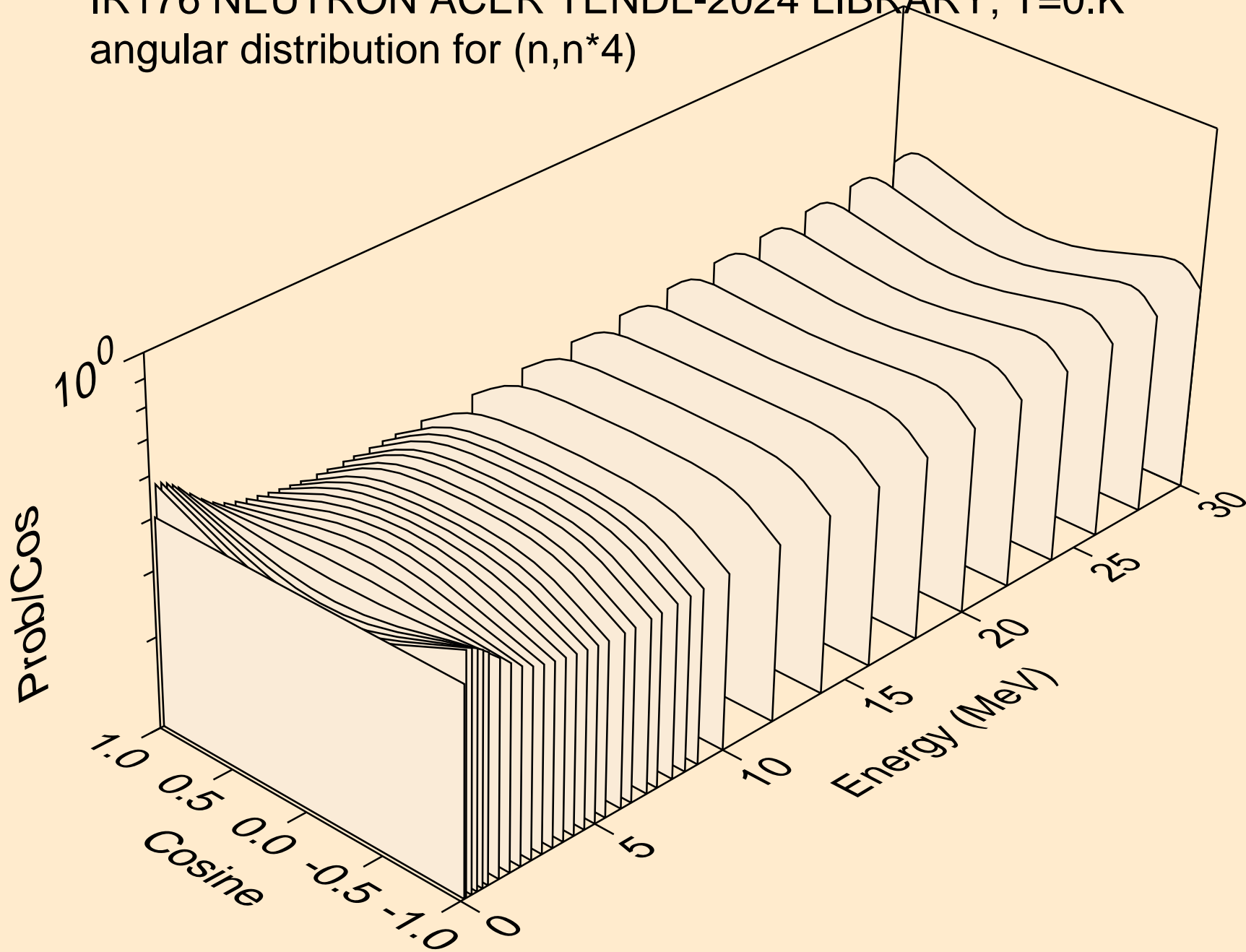


IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*3)

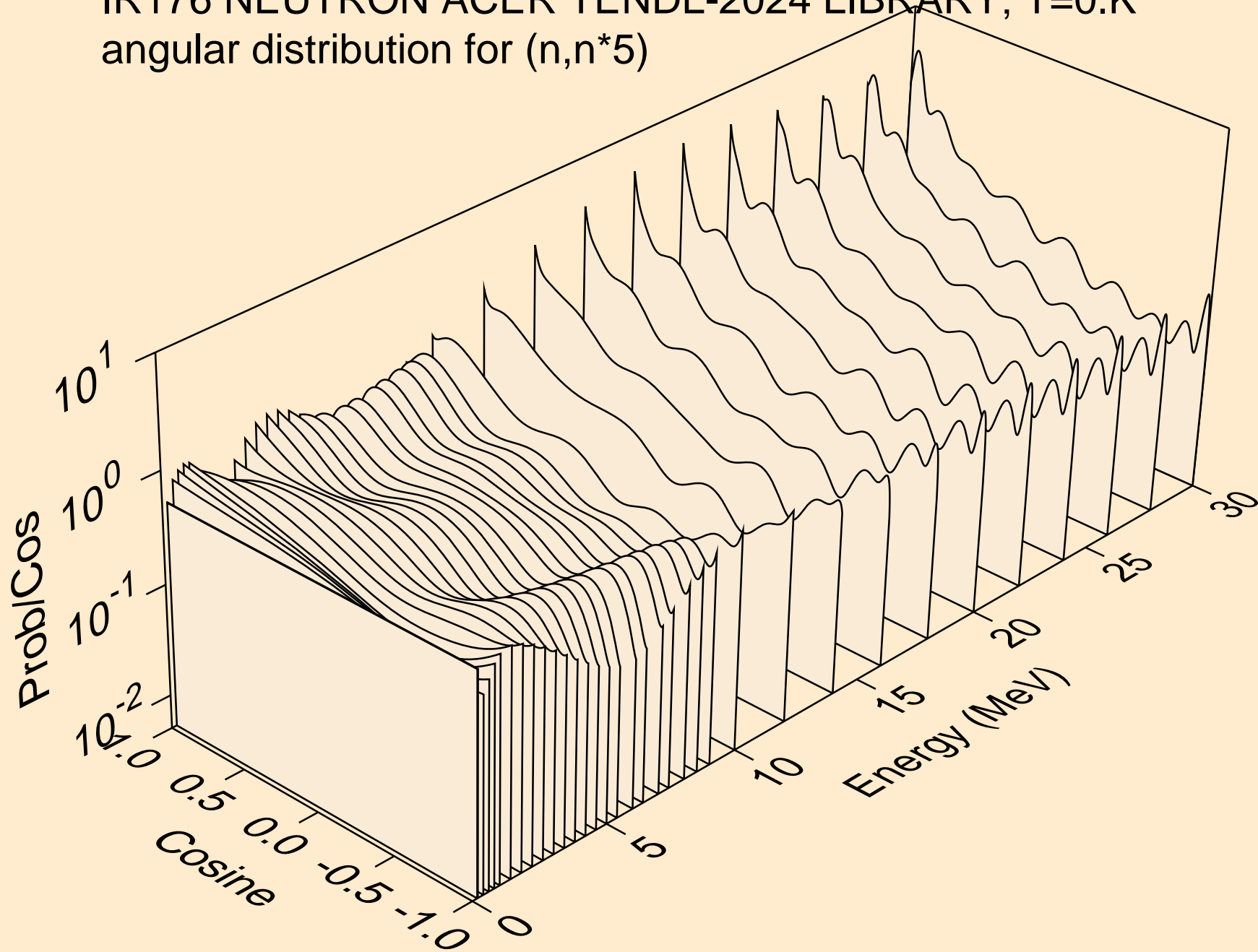




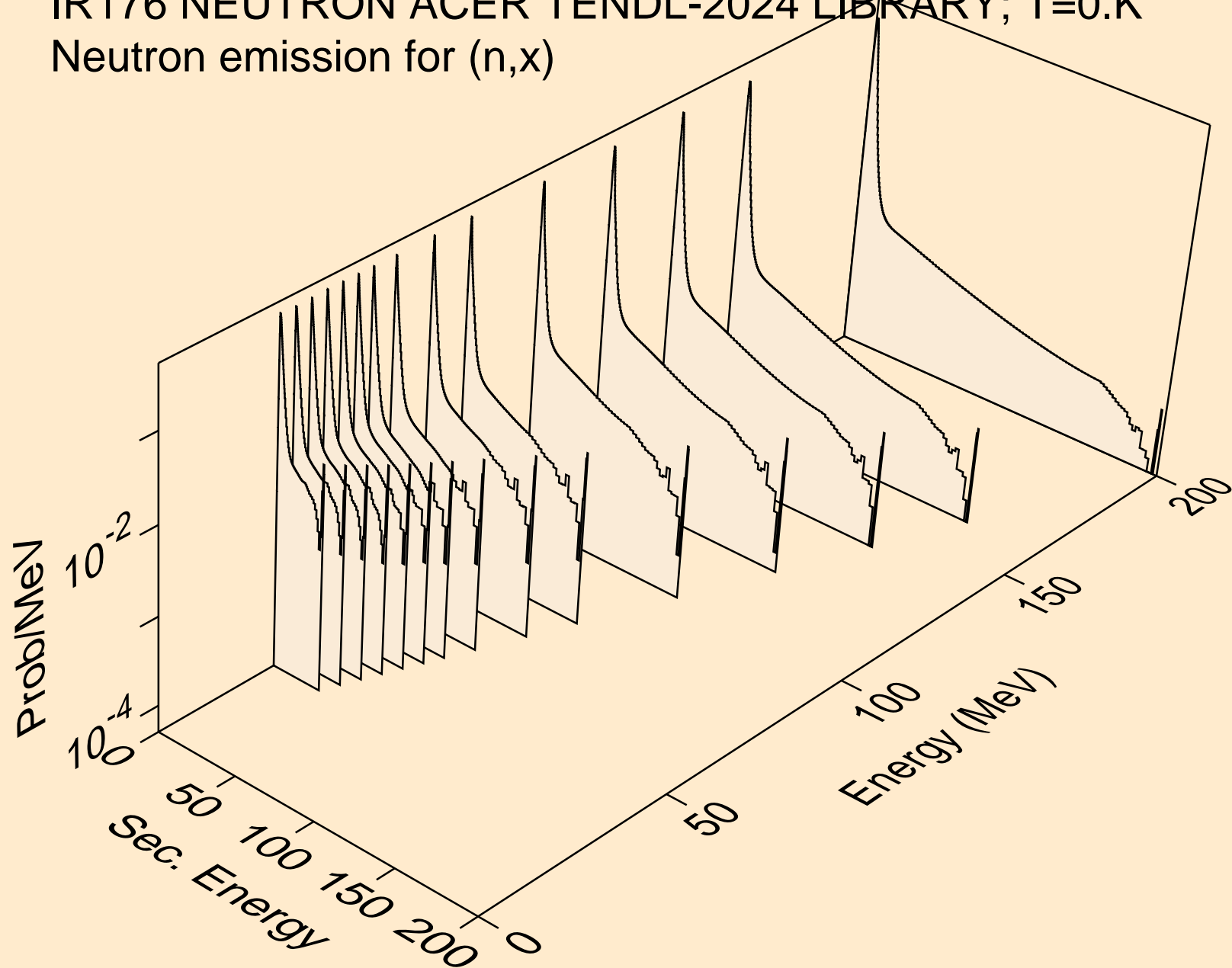
IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*4)



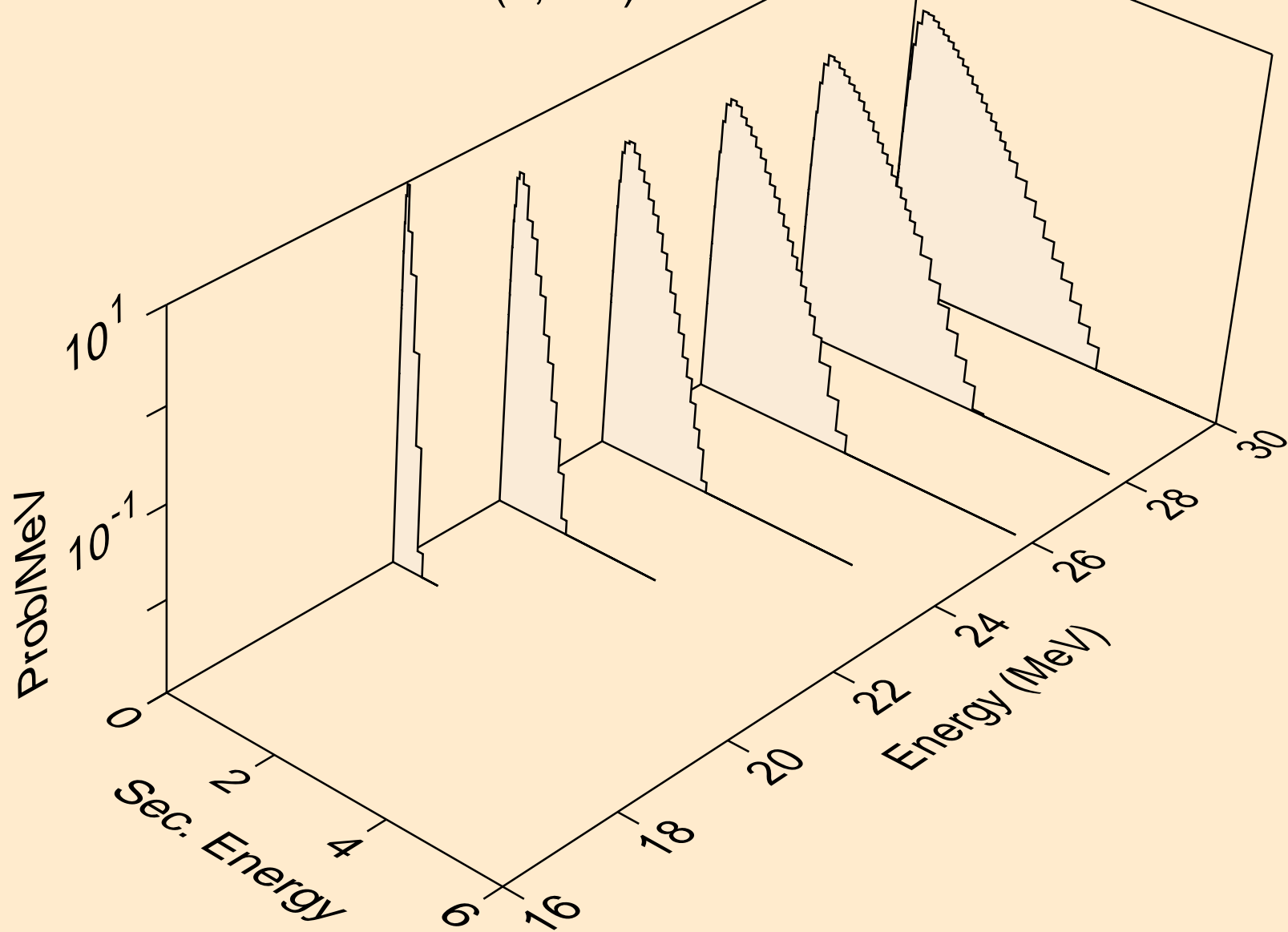
IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*5)



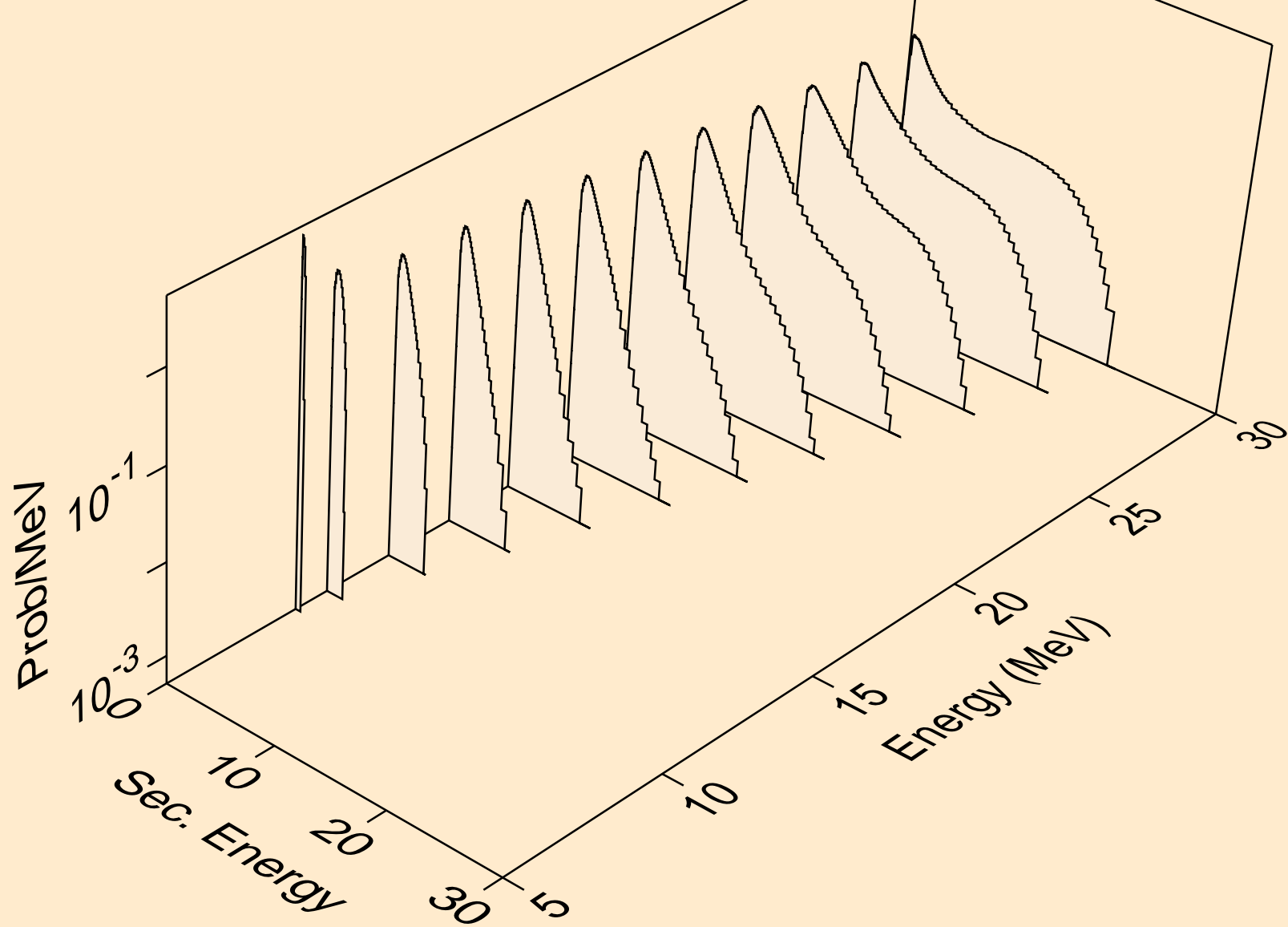
IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,x)



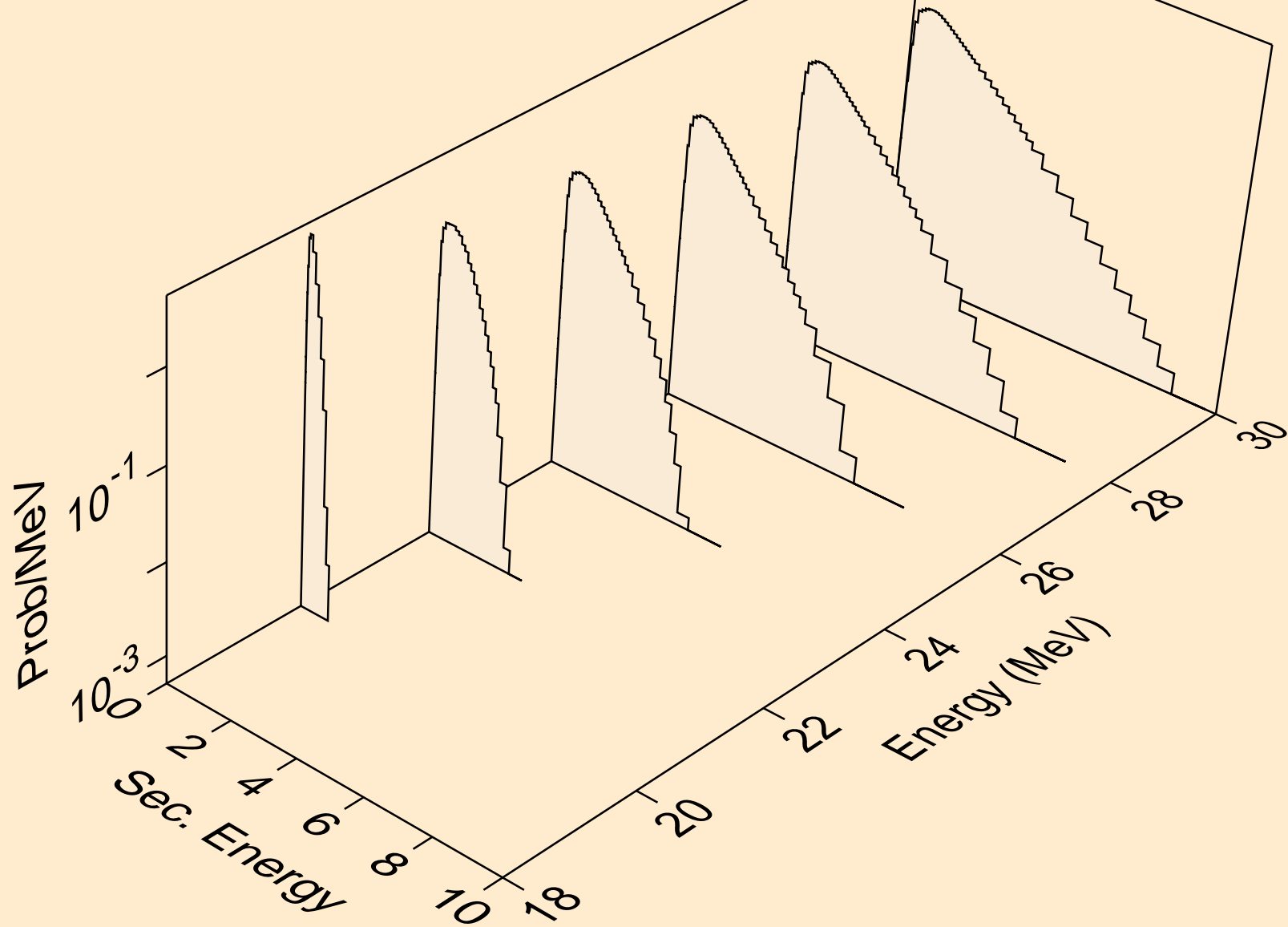
IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



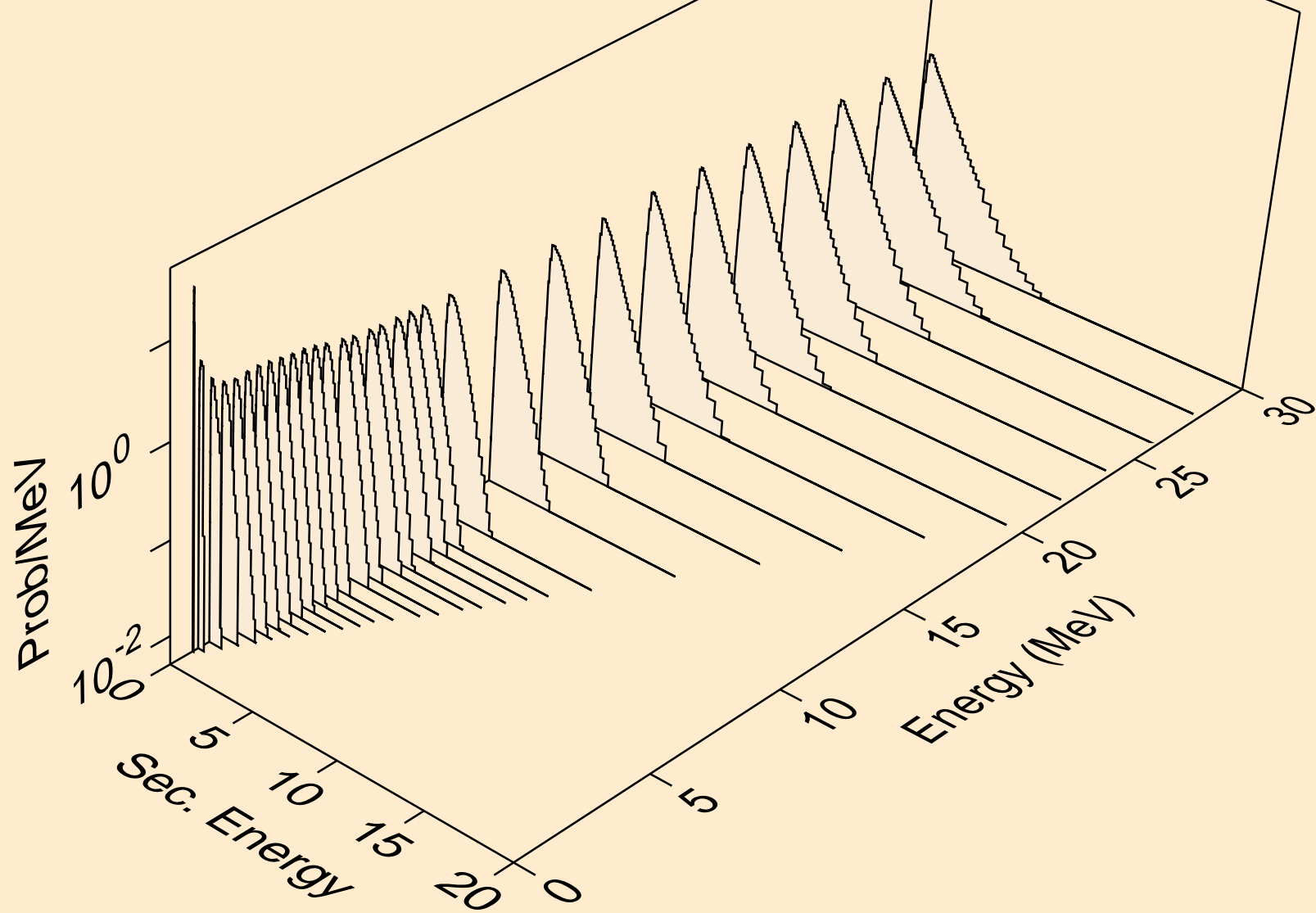
IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)



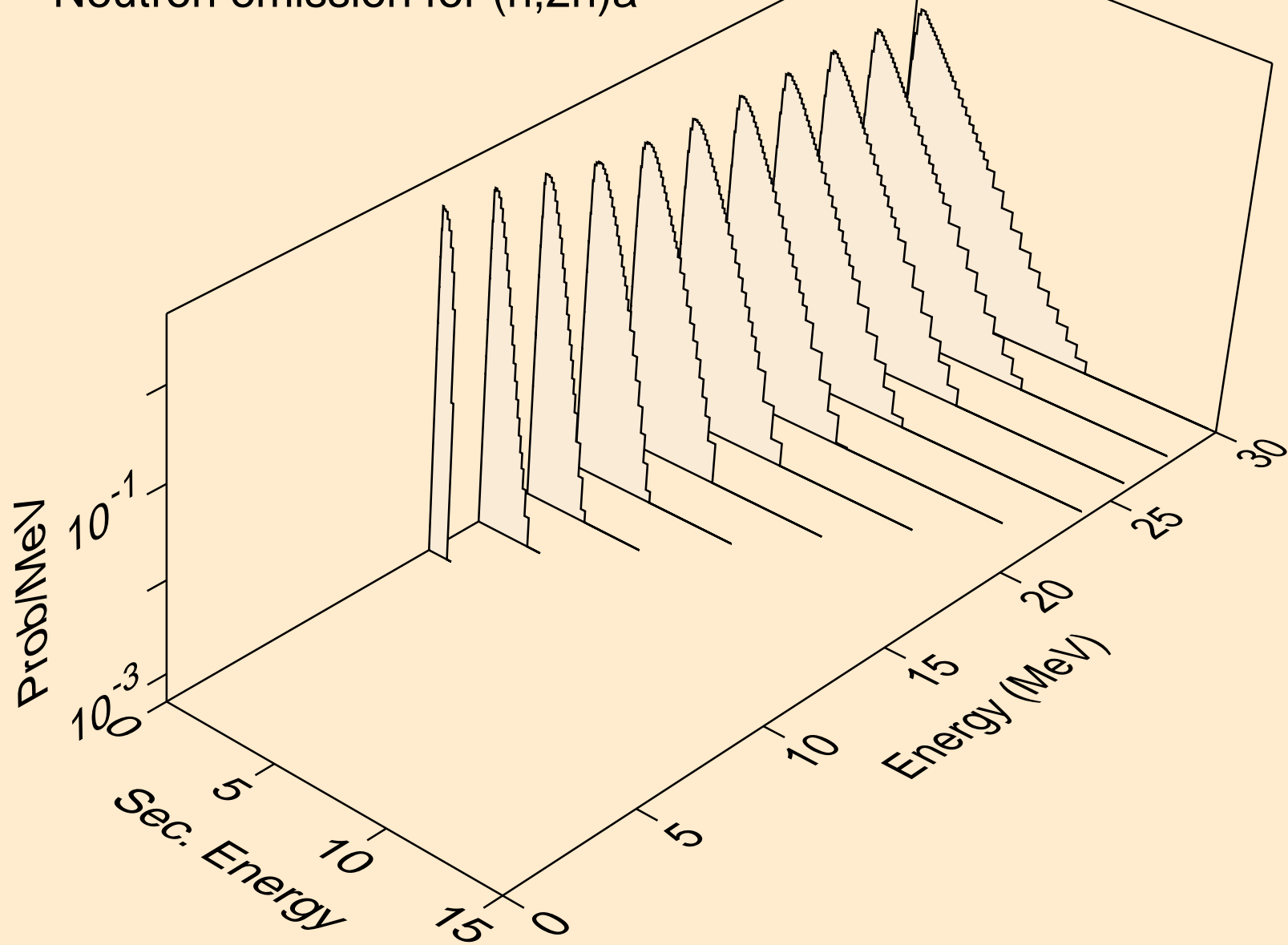
IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)



IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a

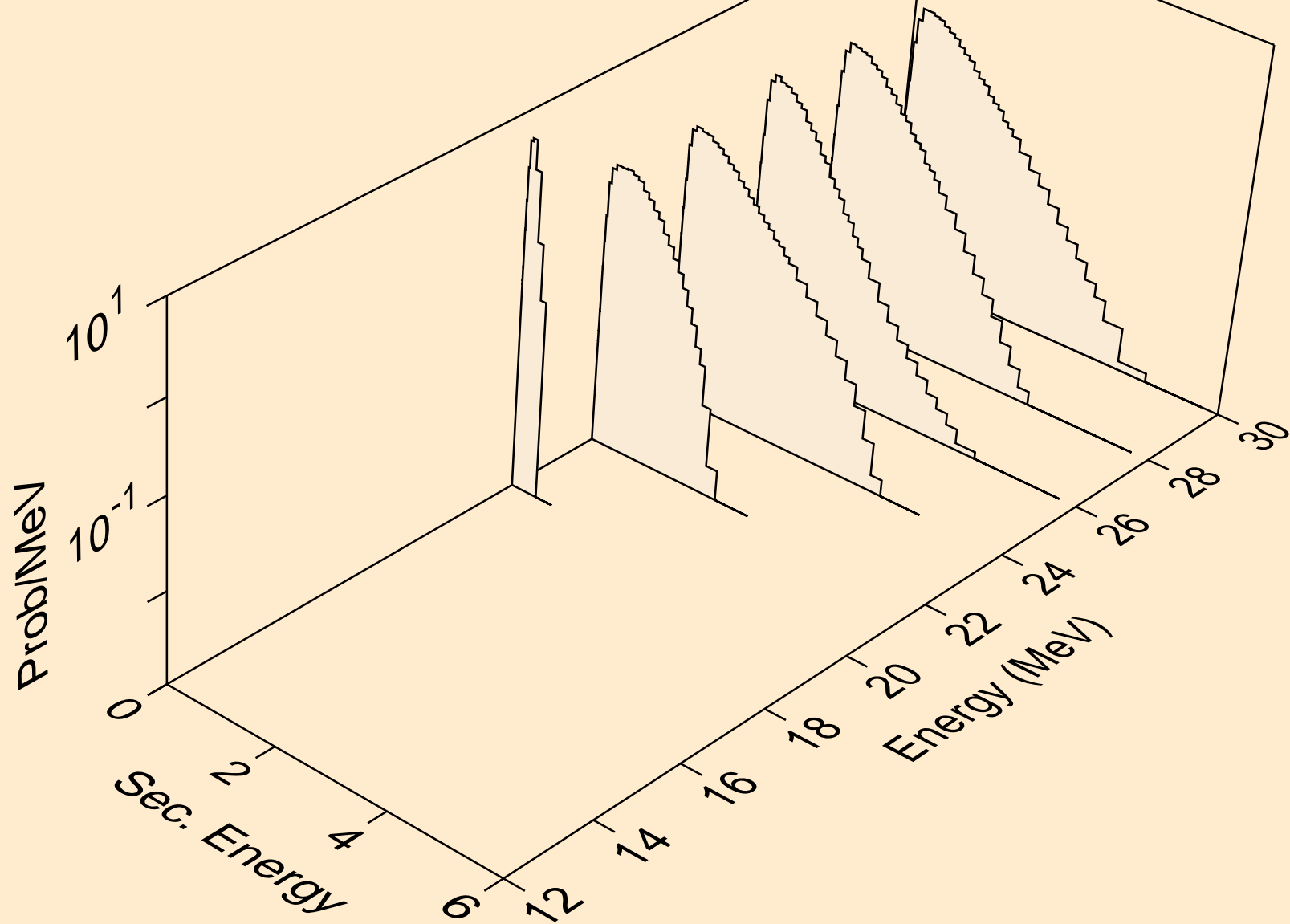


IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)a

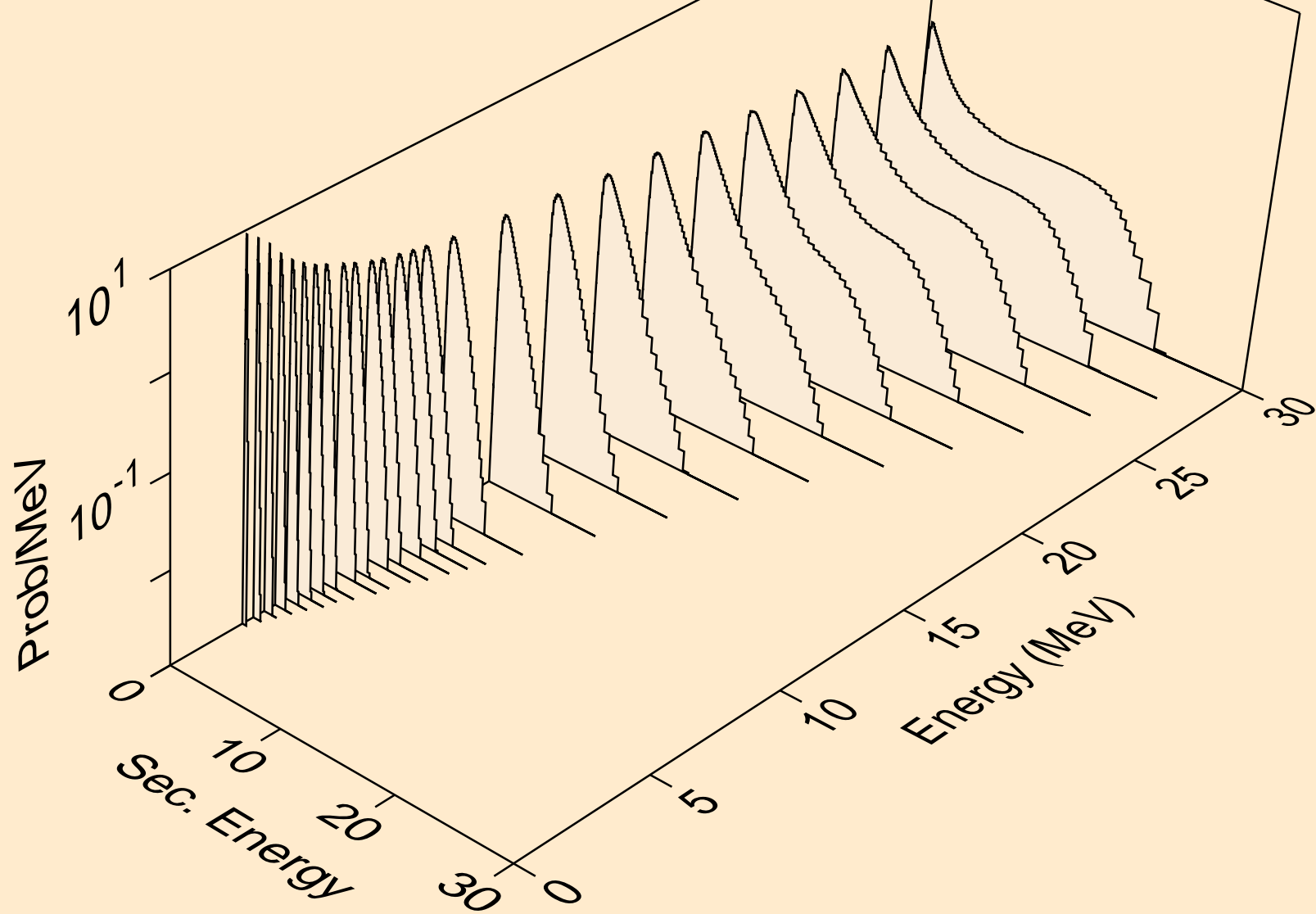




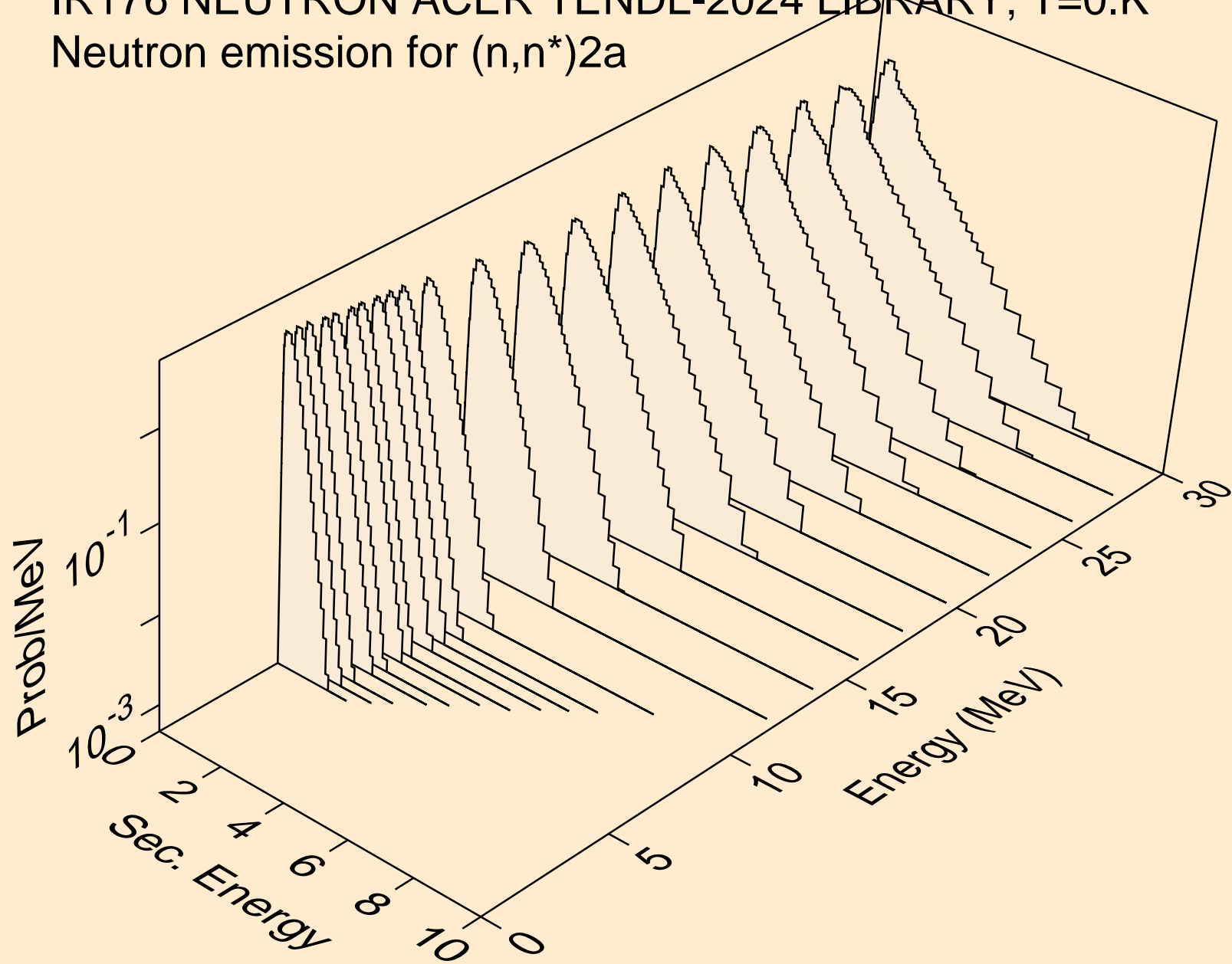
IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)a



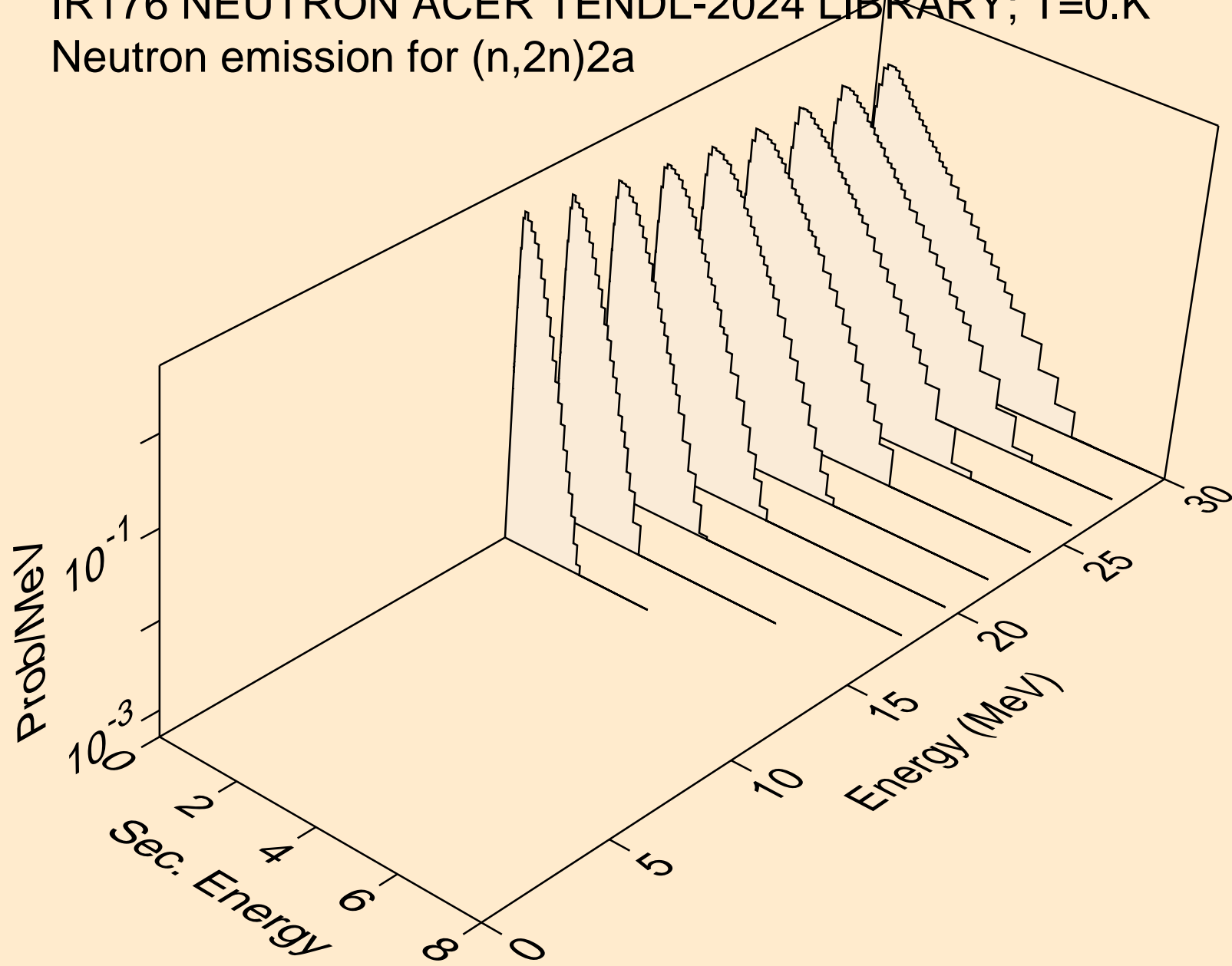
IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



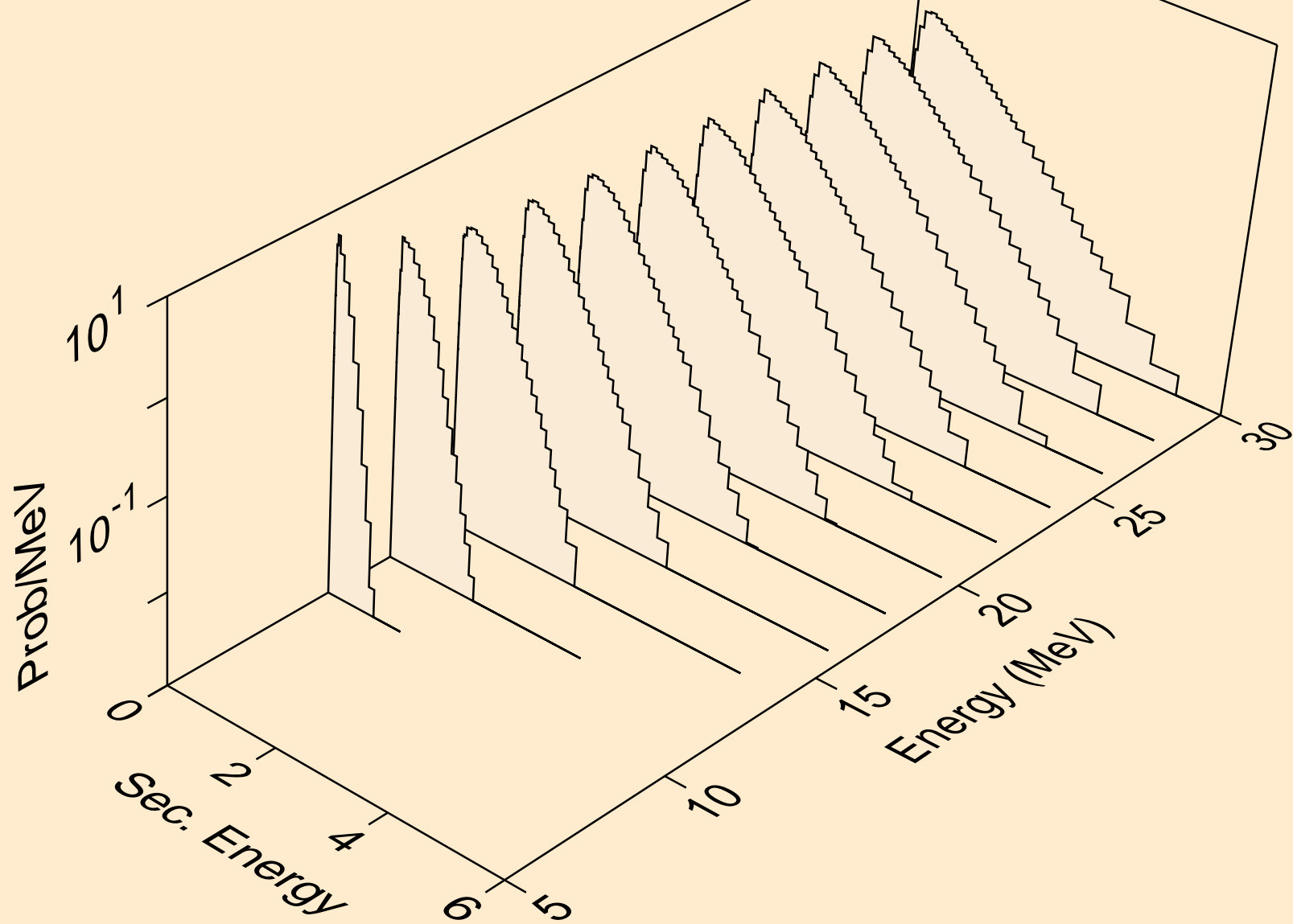
IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)2a



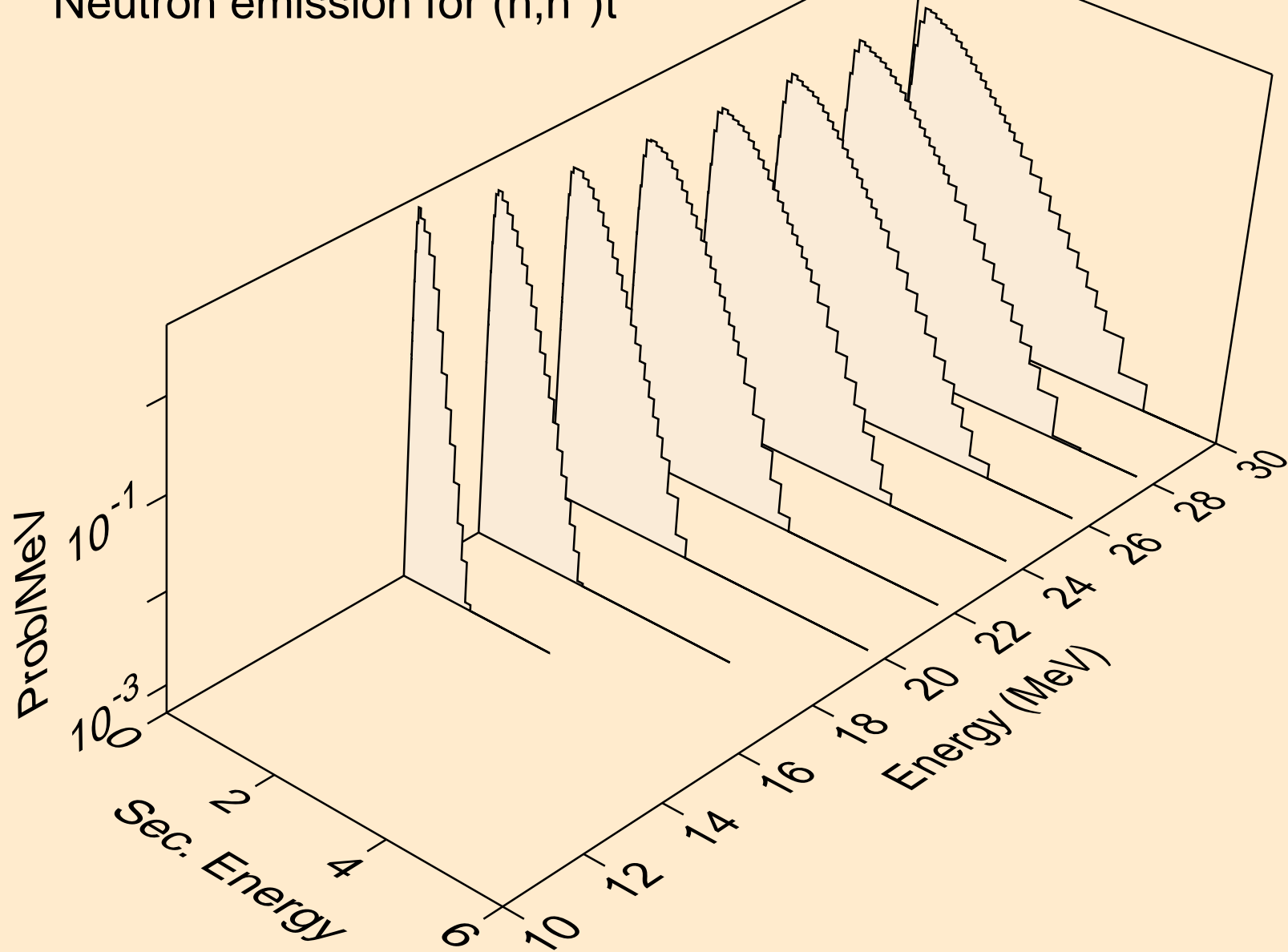
IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)2a



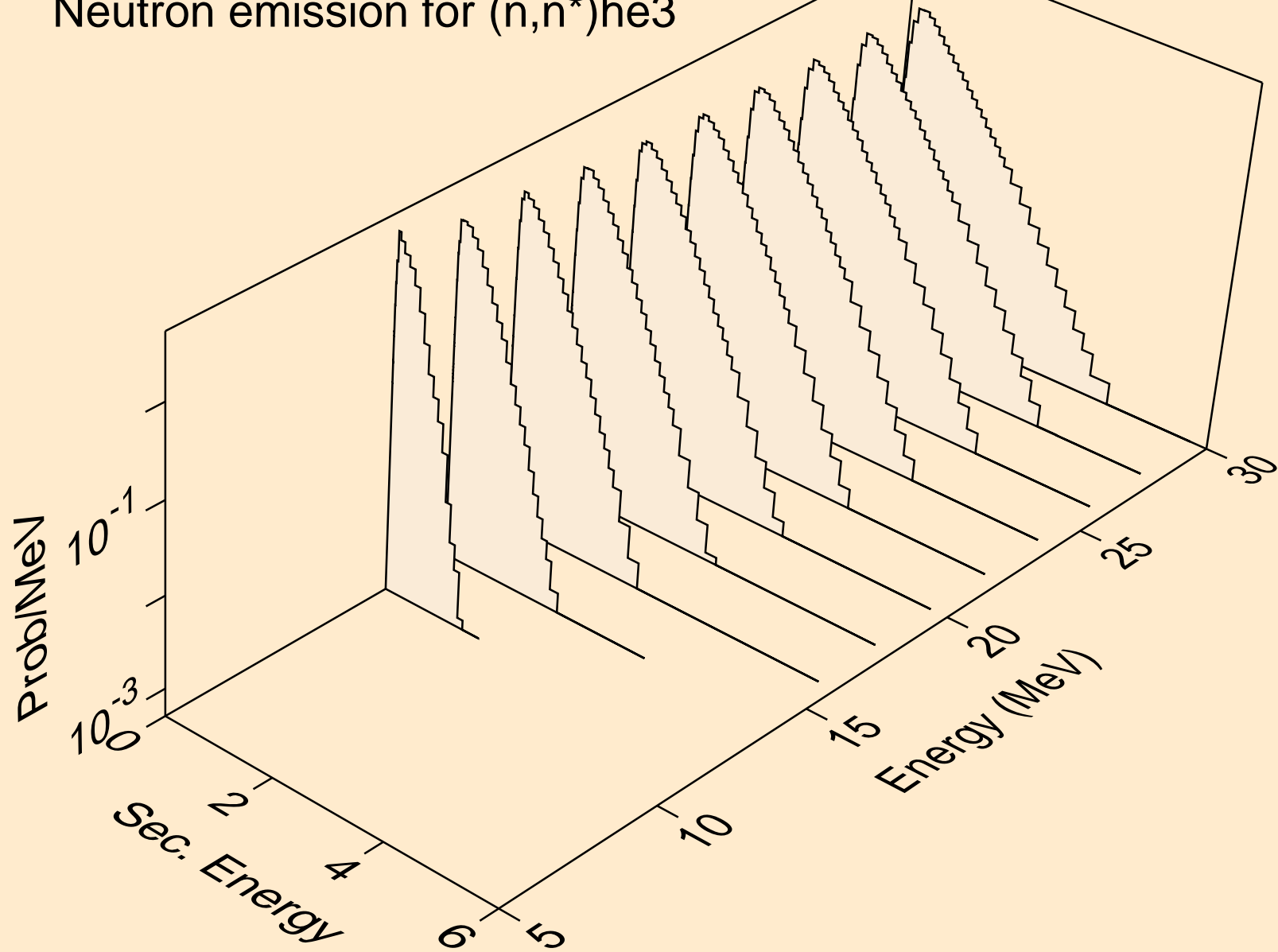
IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d



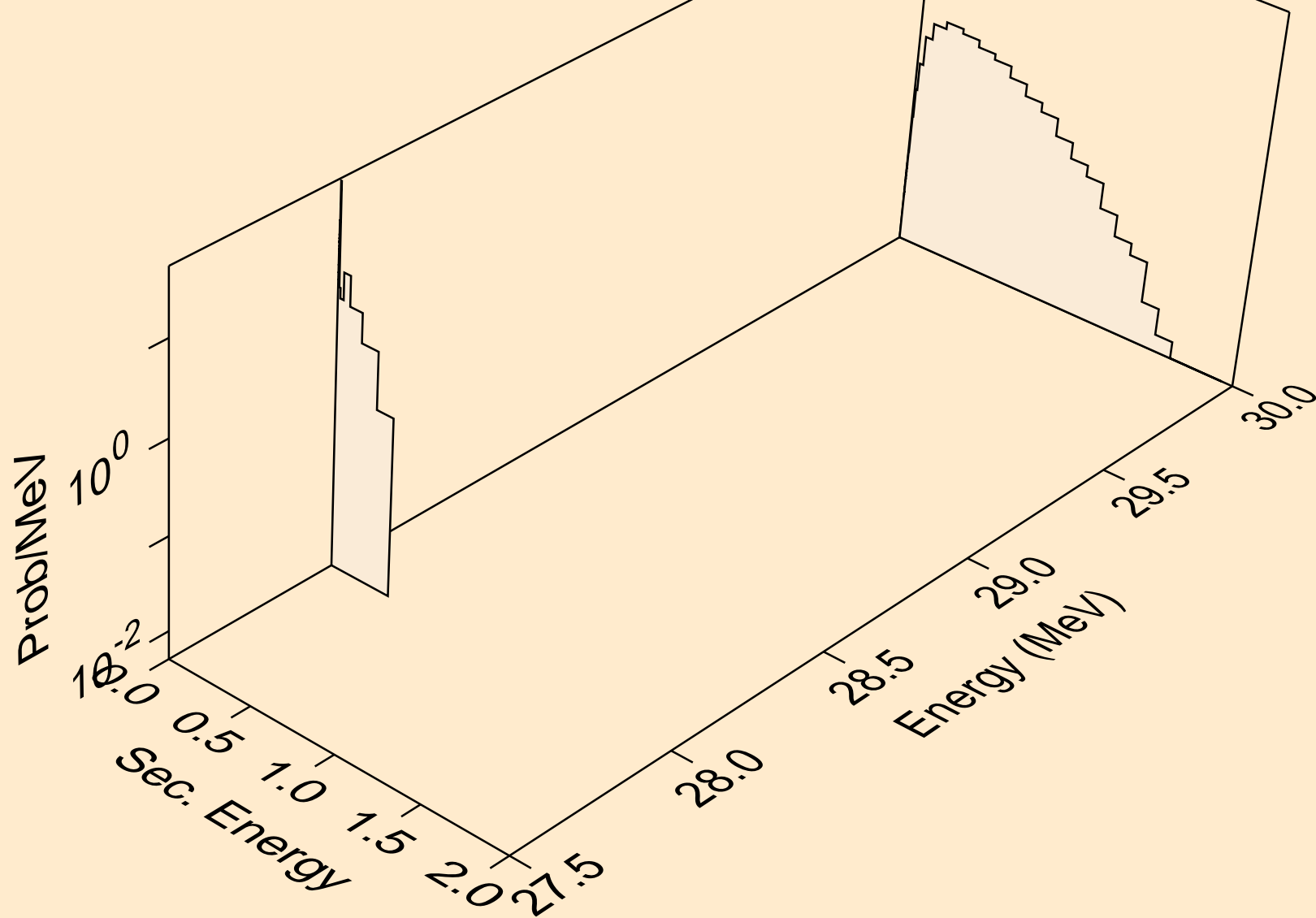
IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3

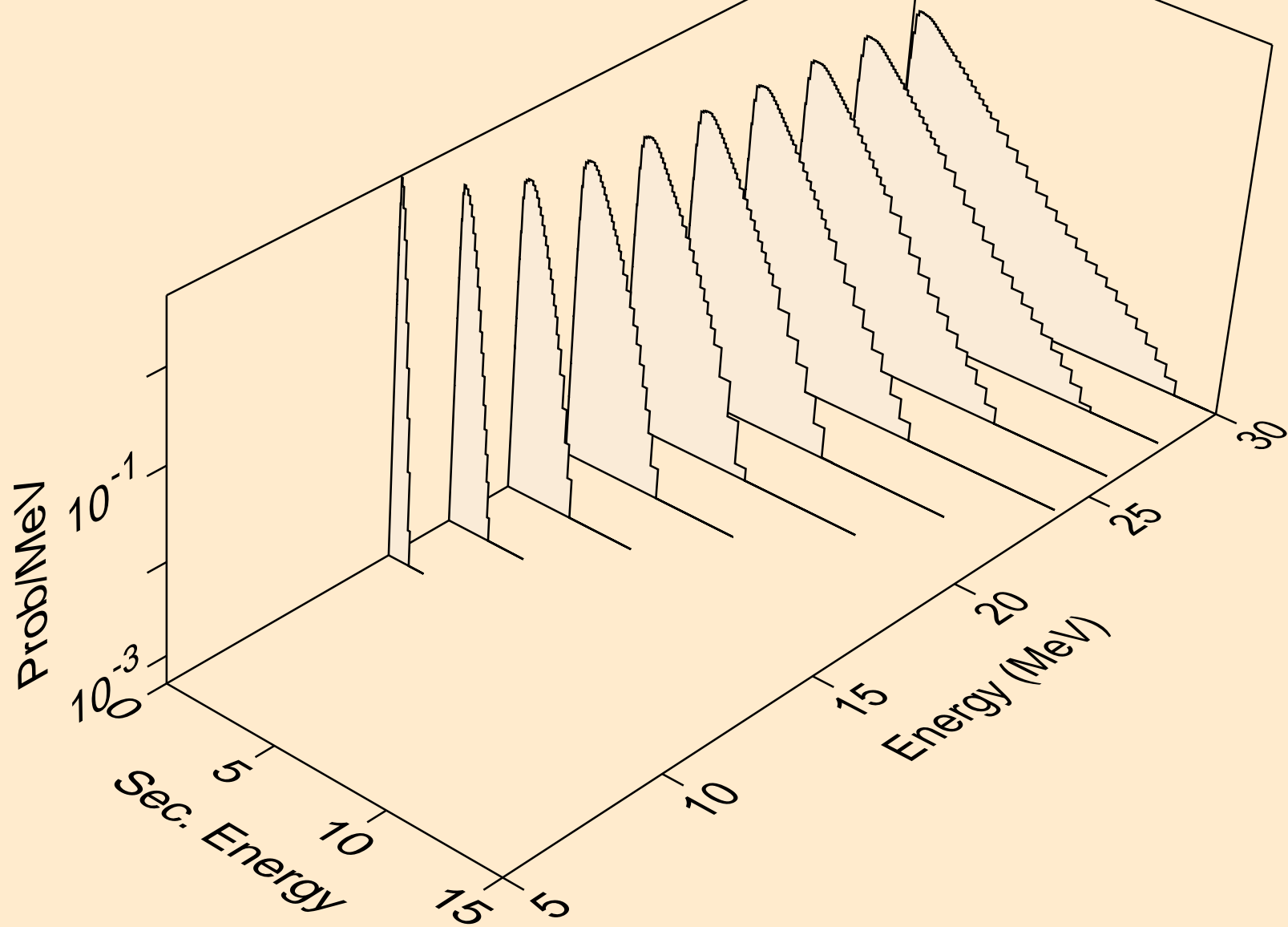


IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,4n)

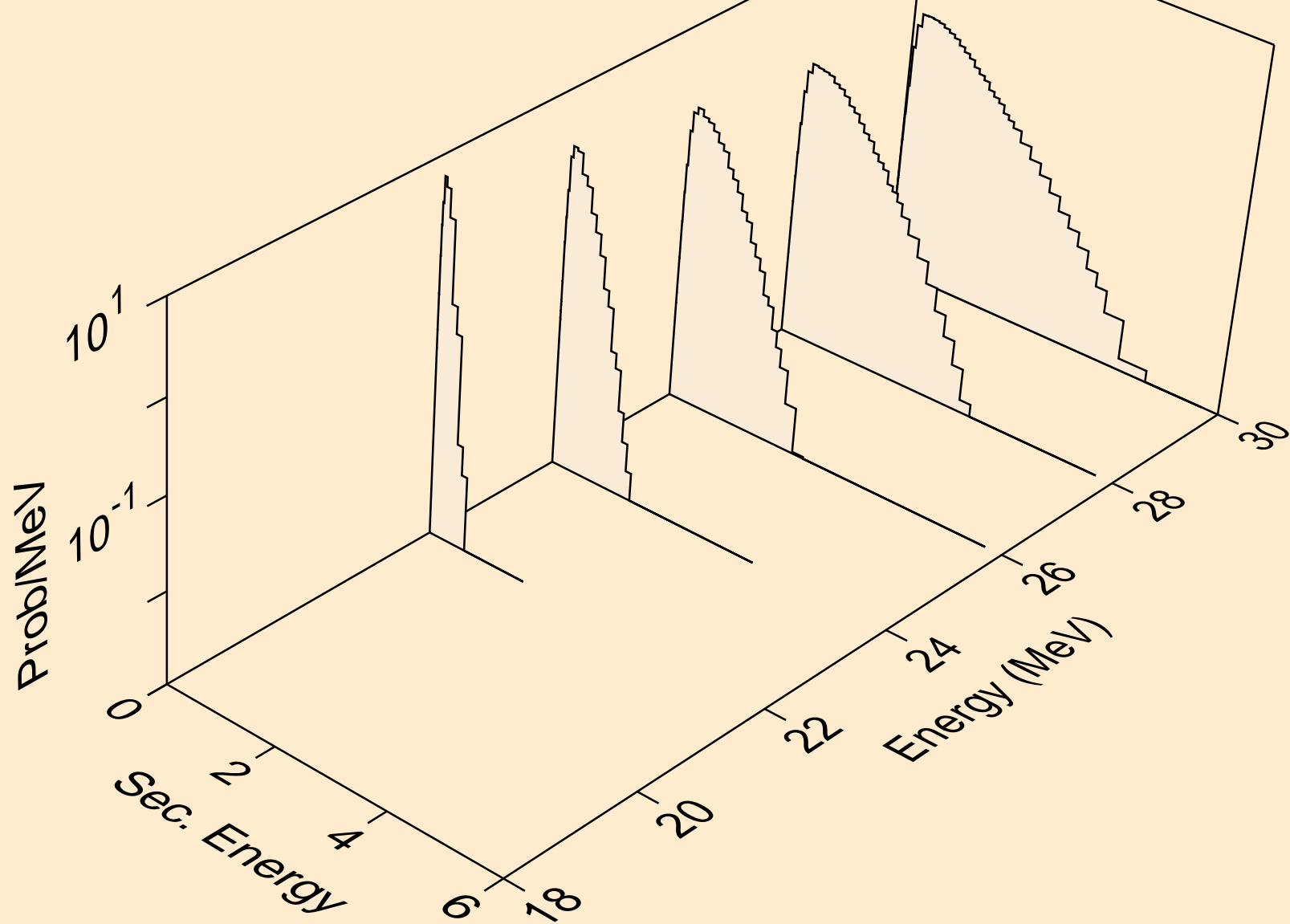




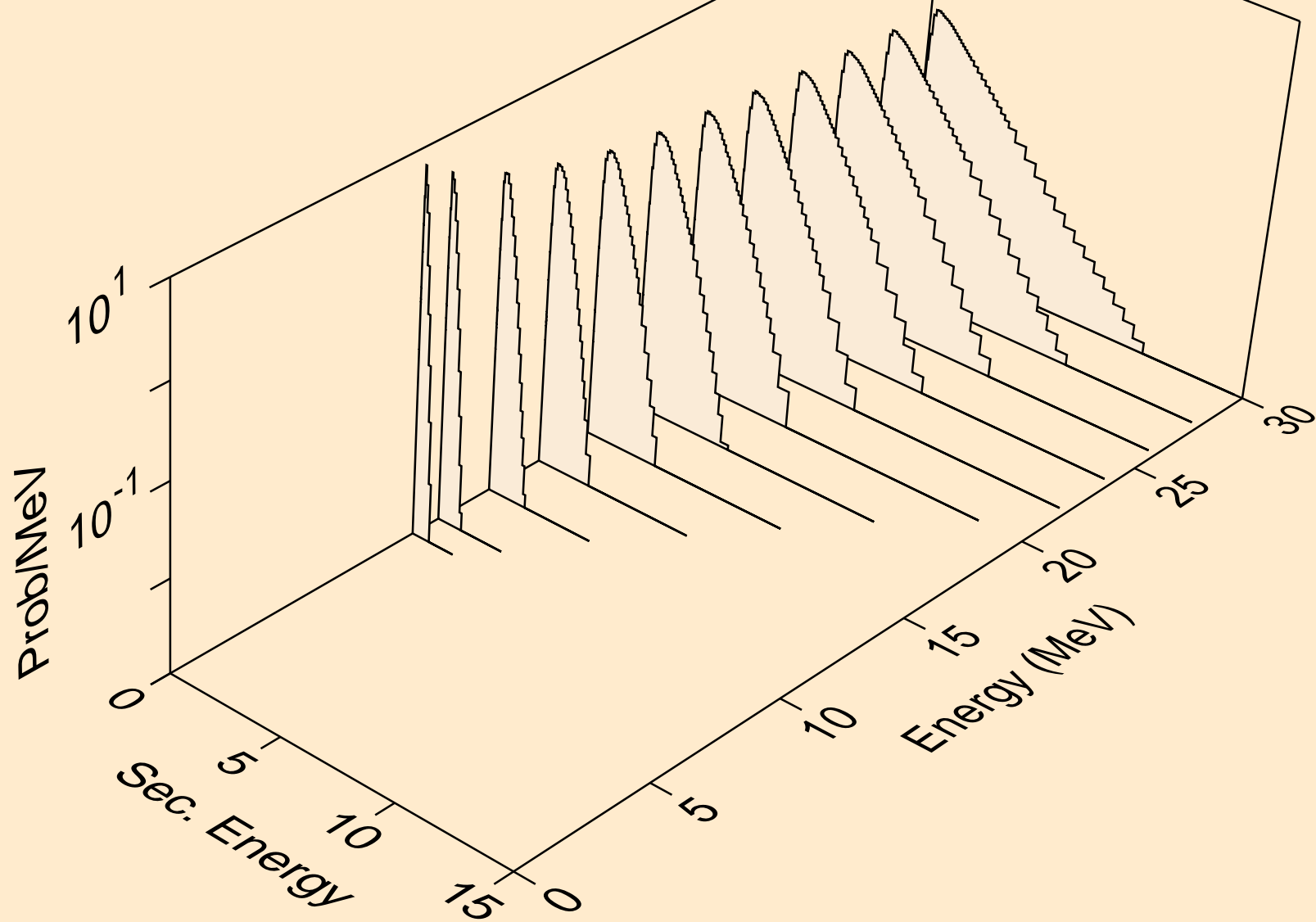
IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2np)



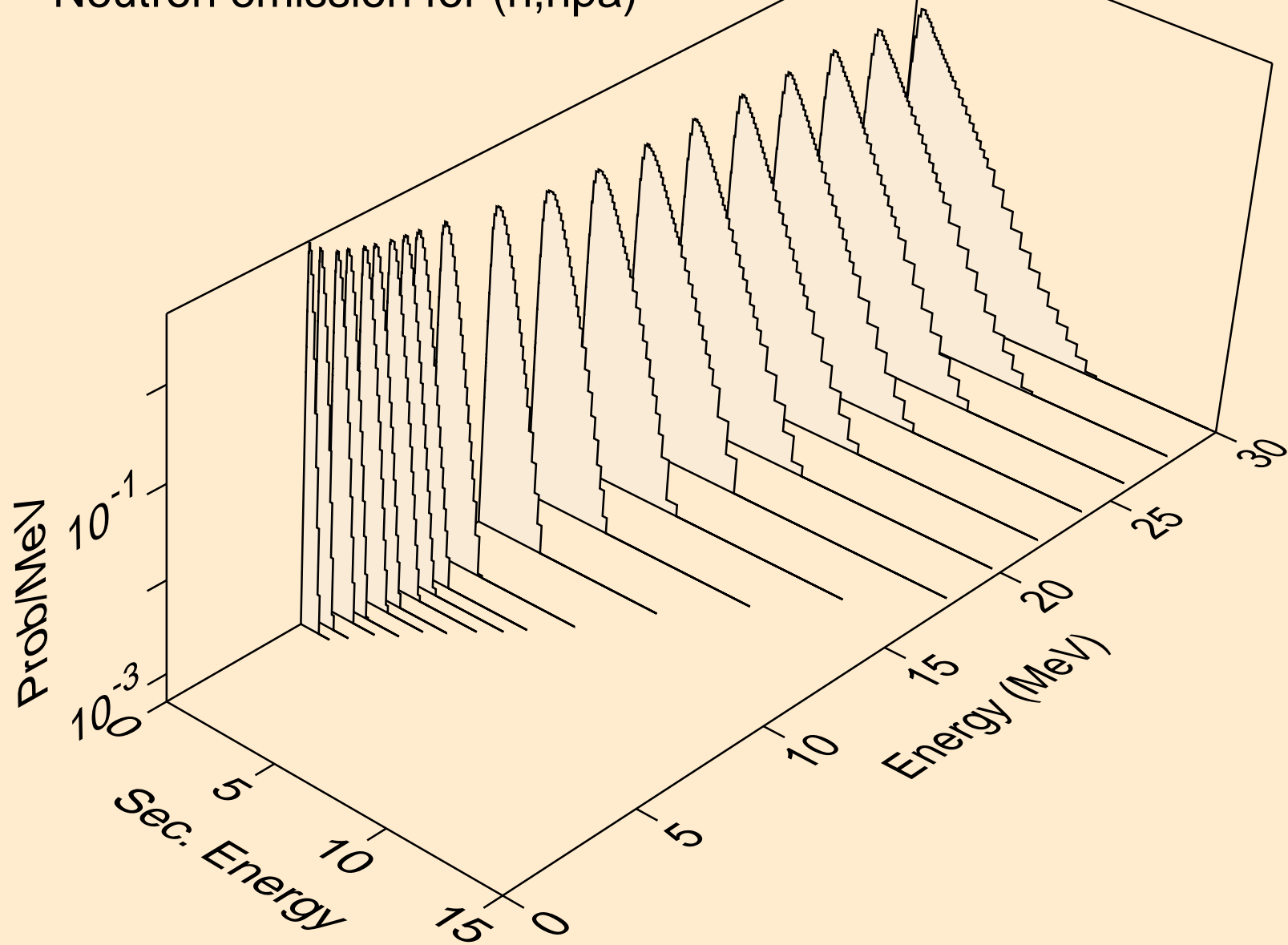
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Neutron emission for (n,3np)



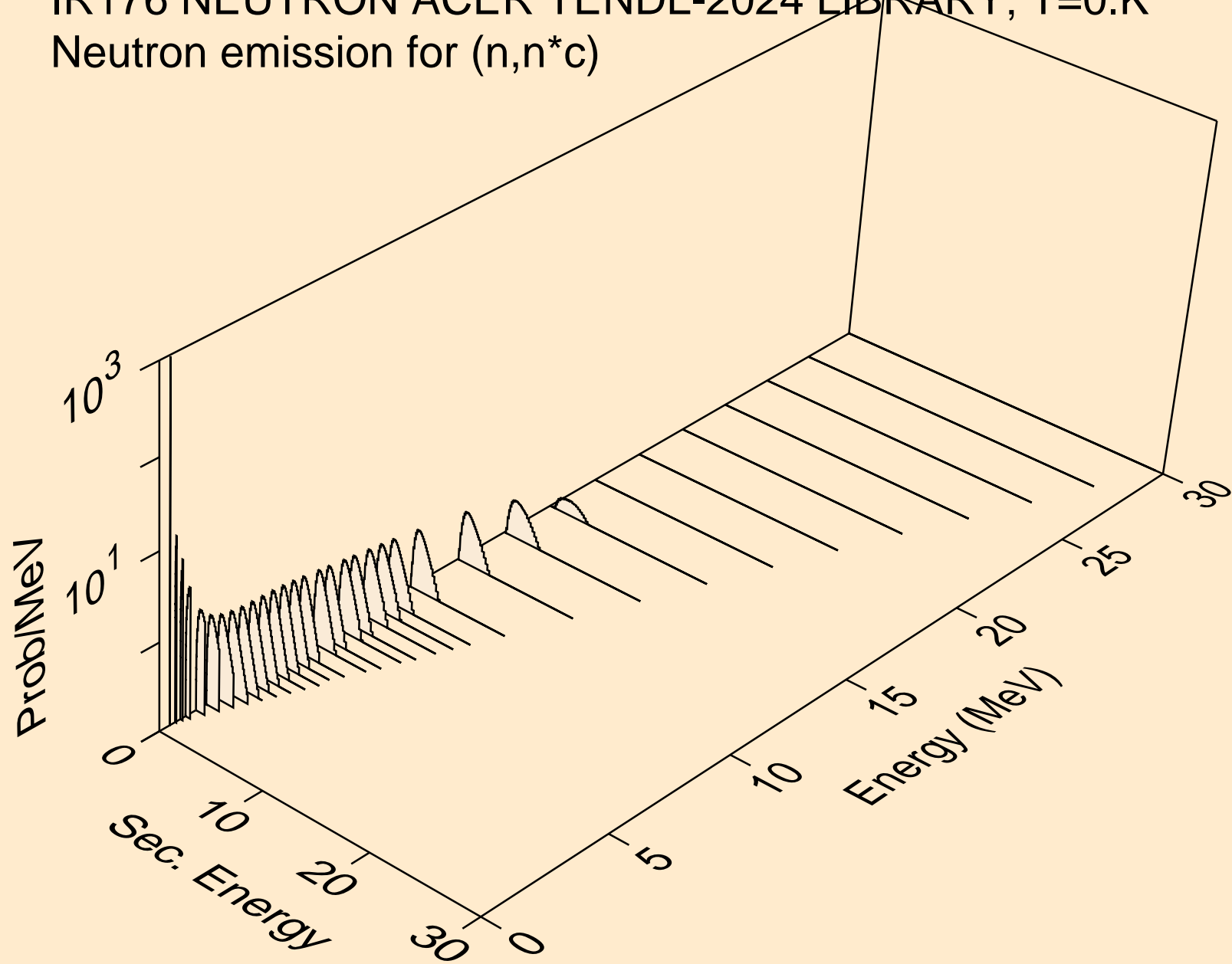
IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n2p)



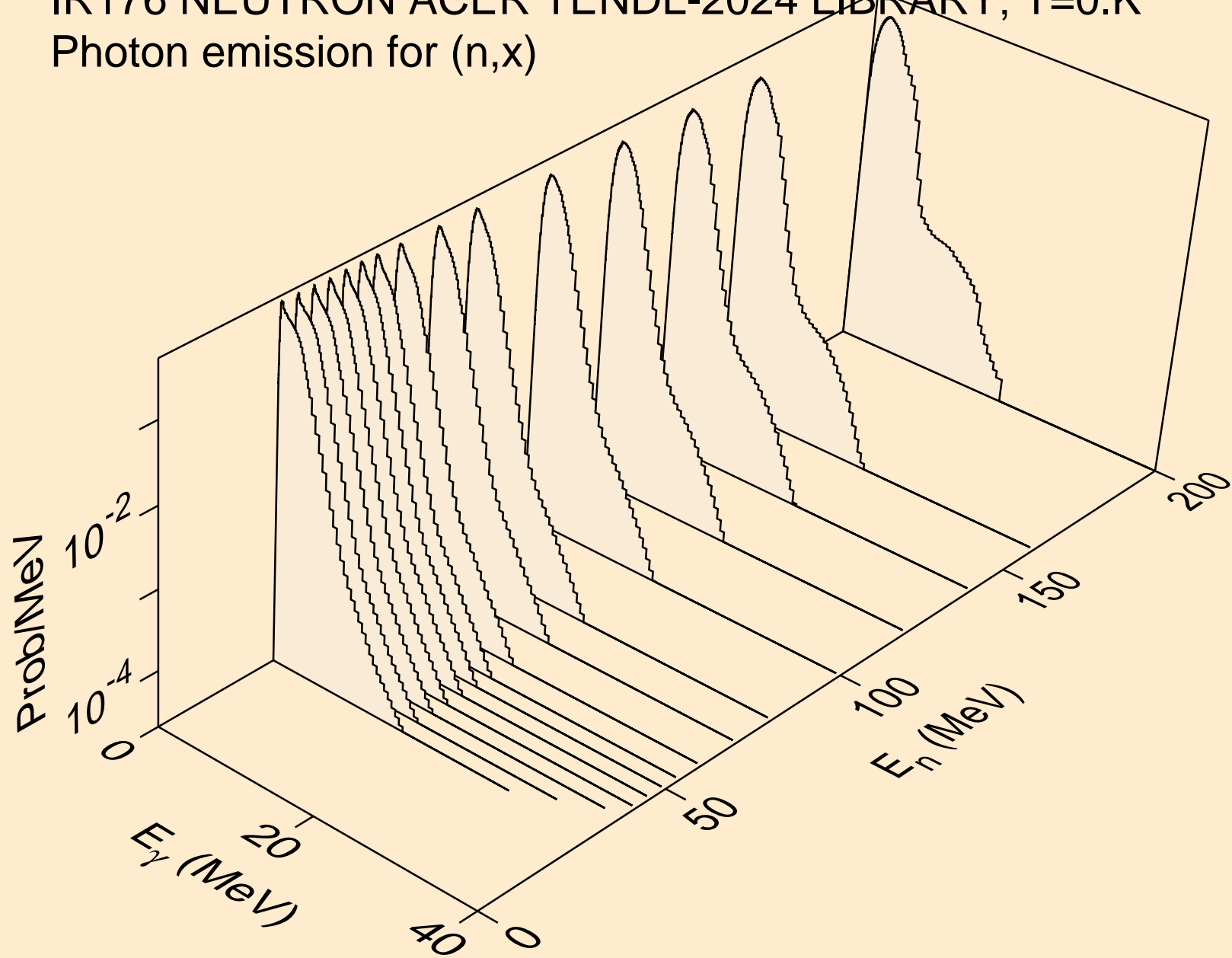
IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,npa)



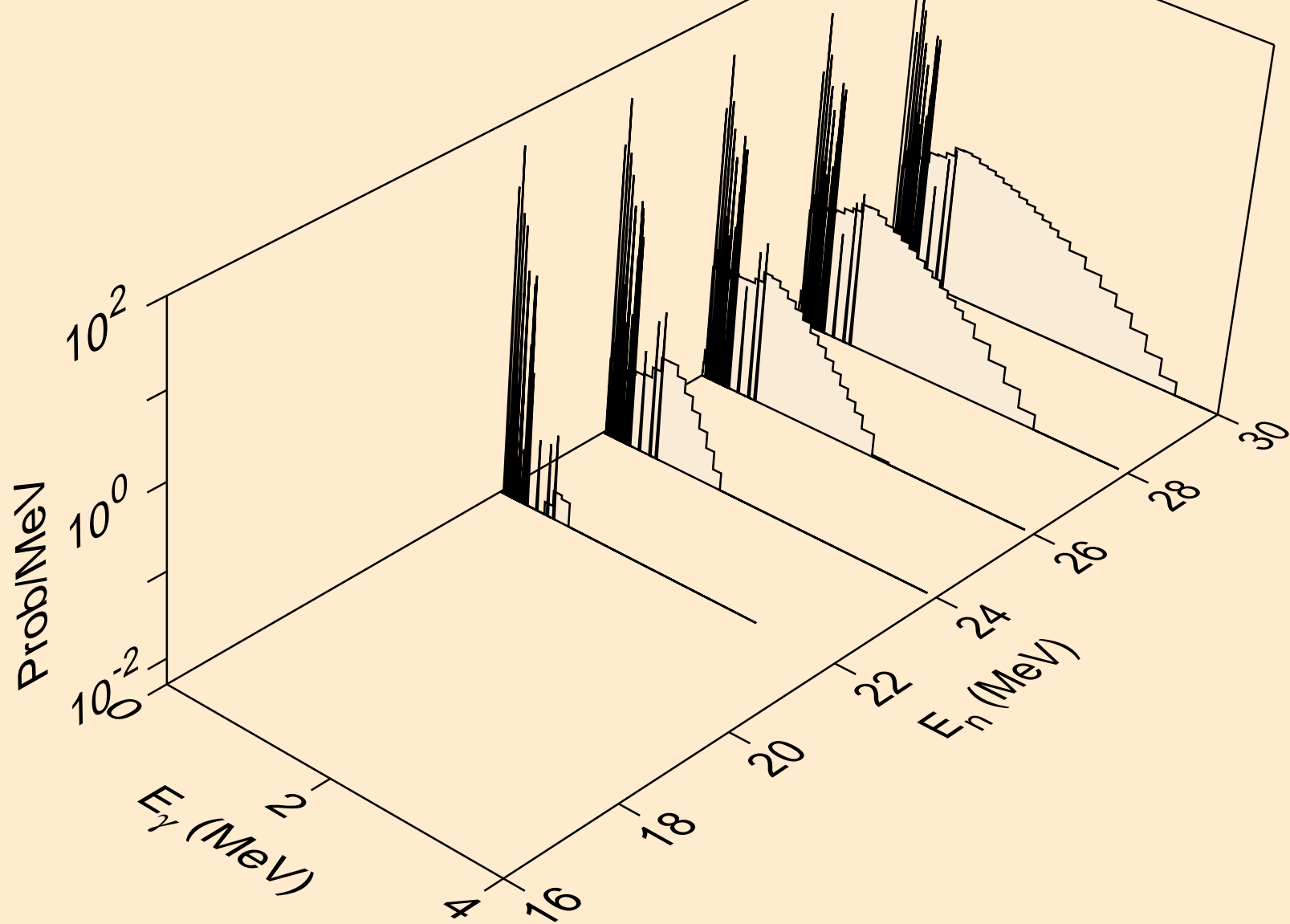
IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)



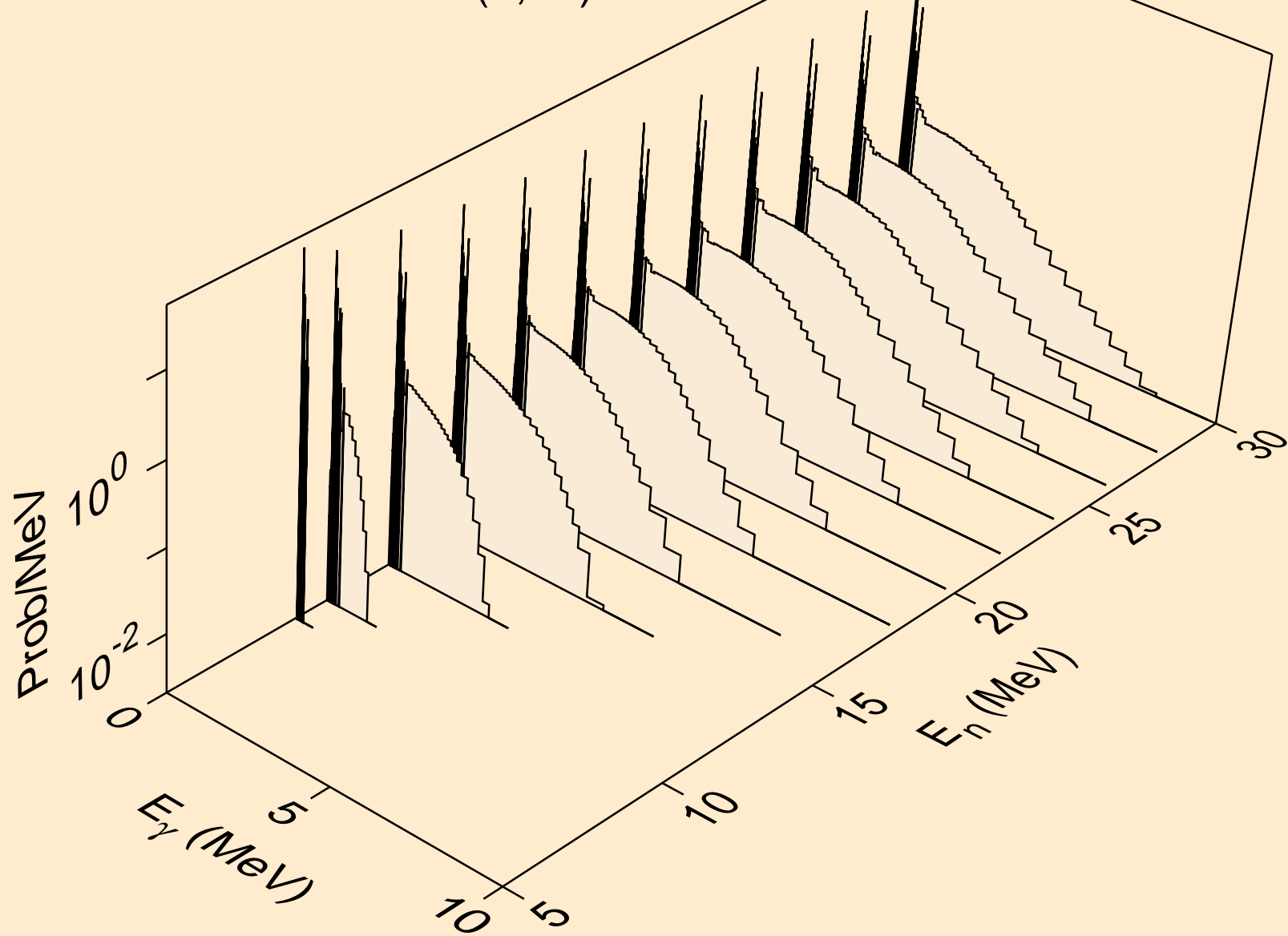
IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,x)



IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2nd)

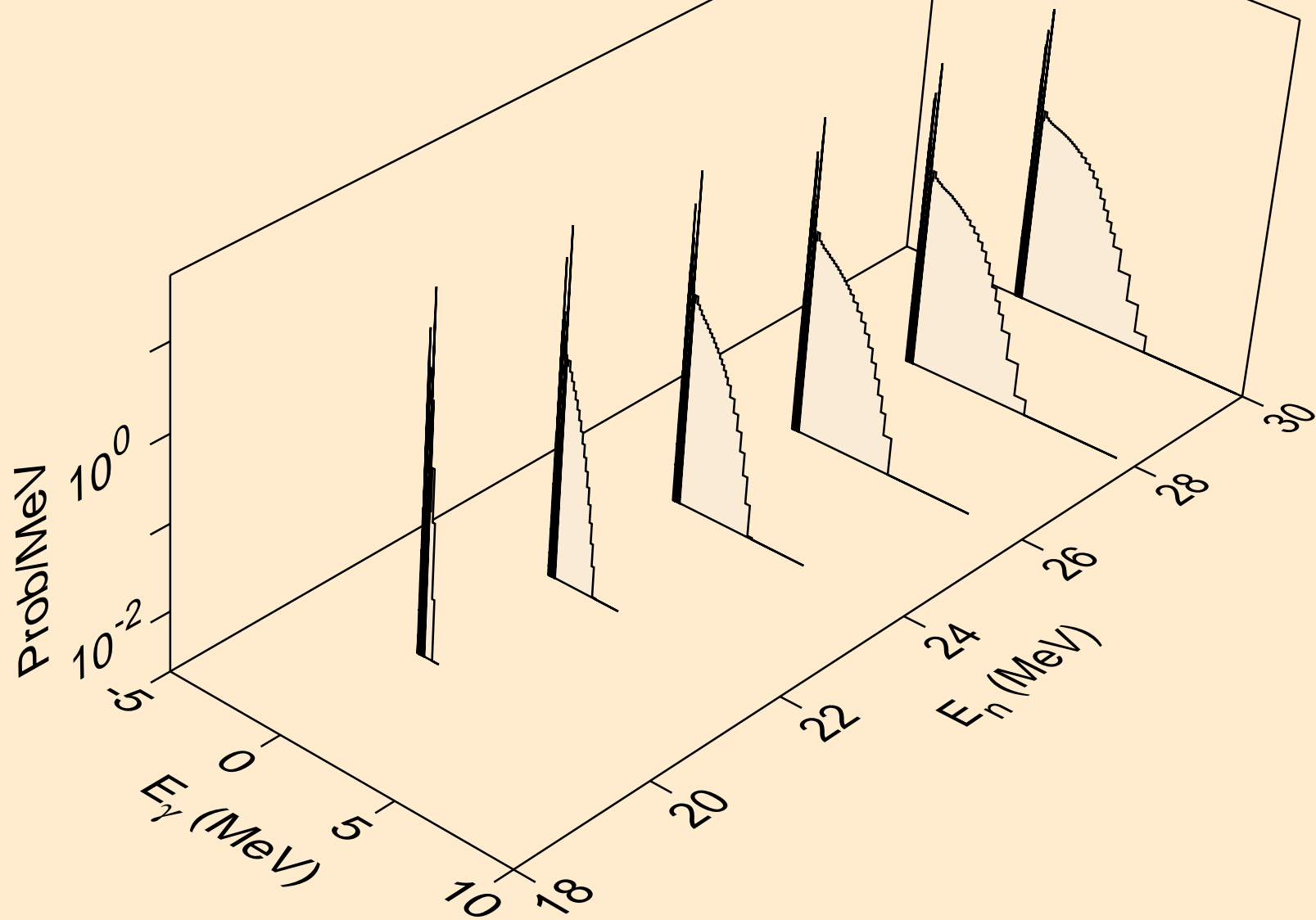


IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)

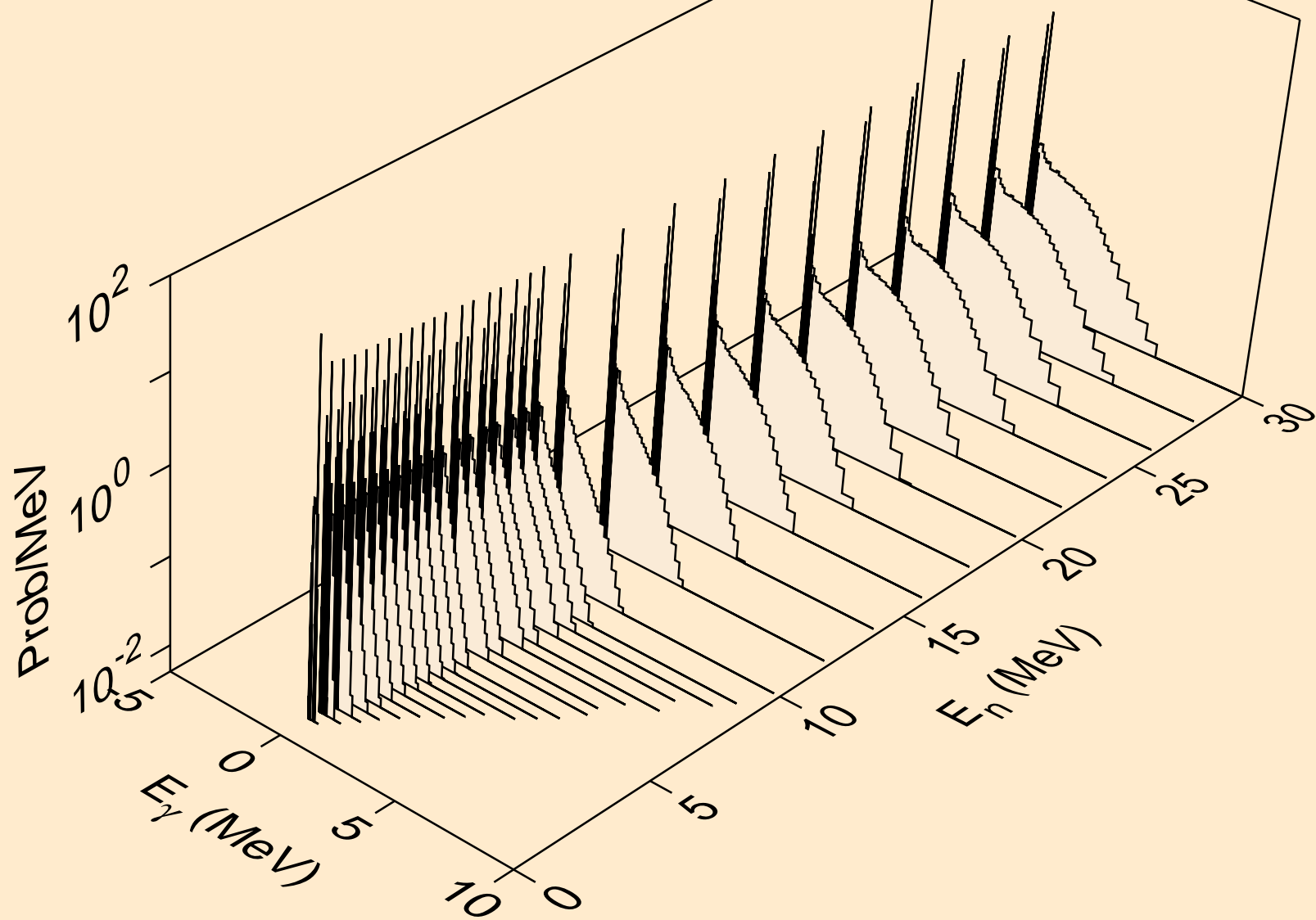




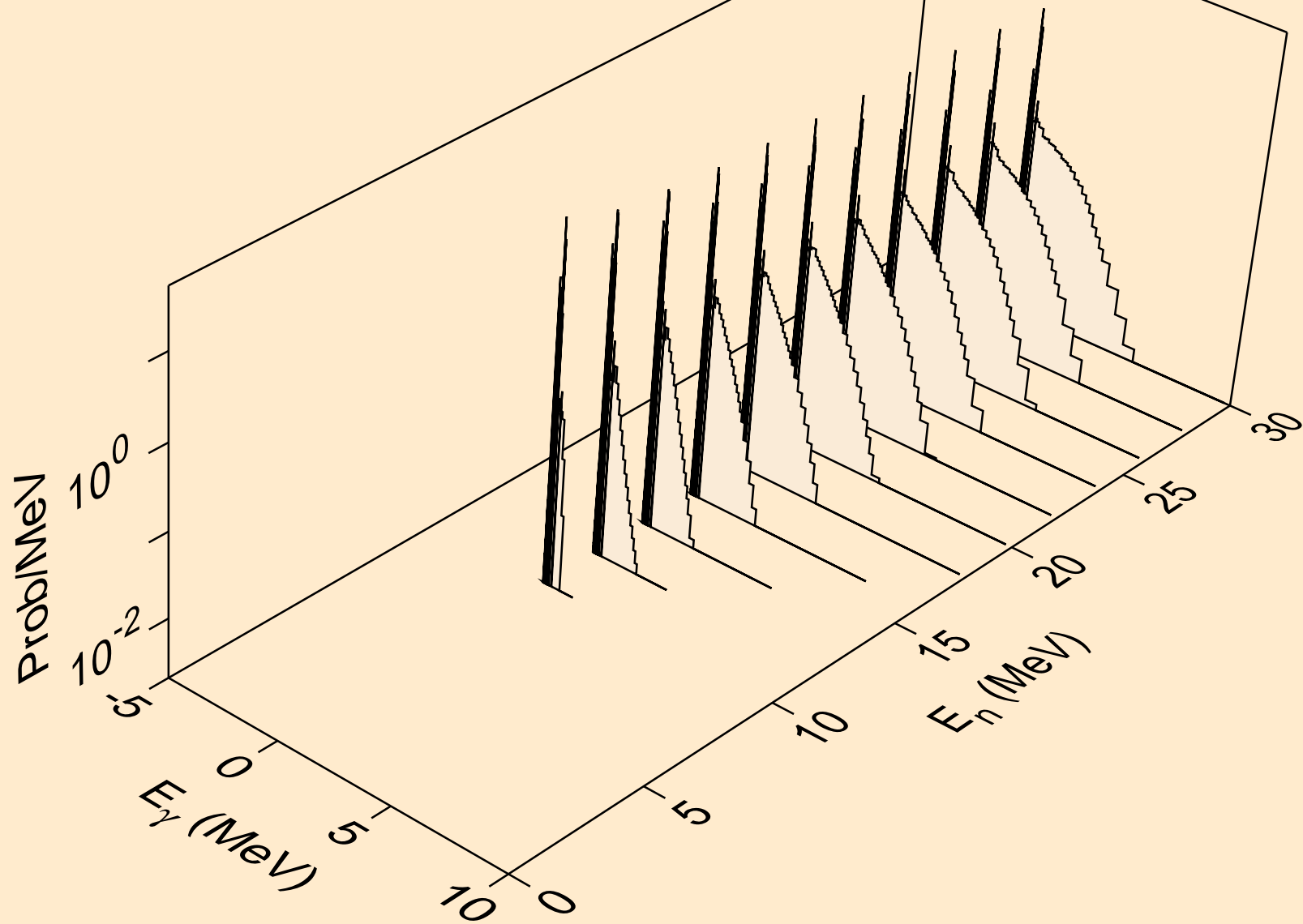
IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)



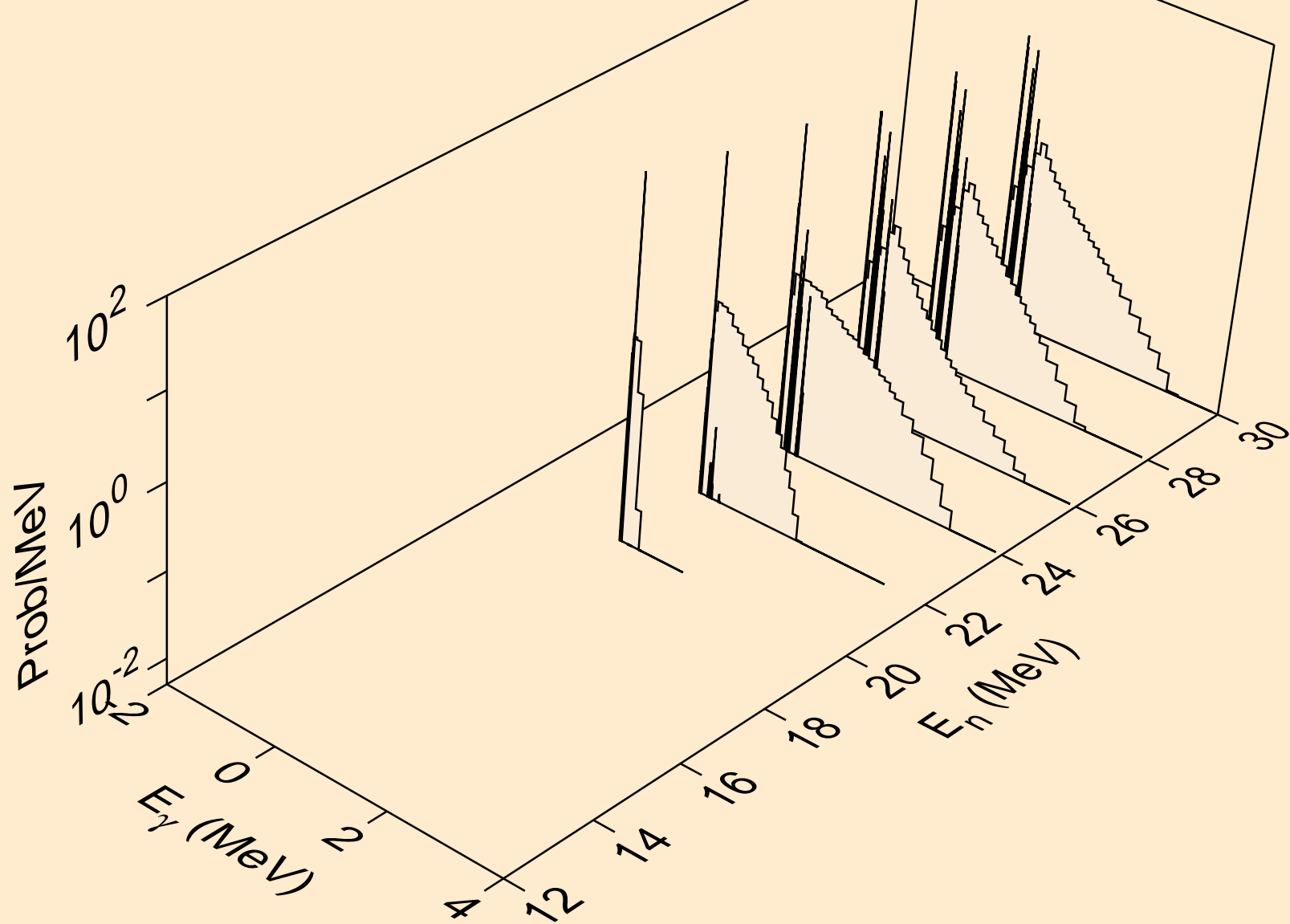
IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



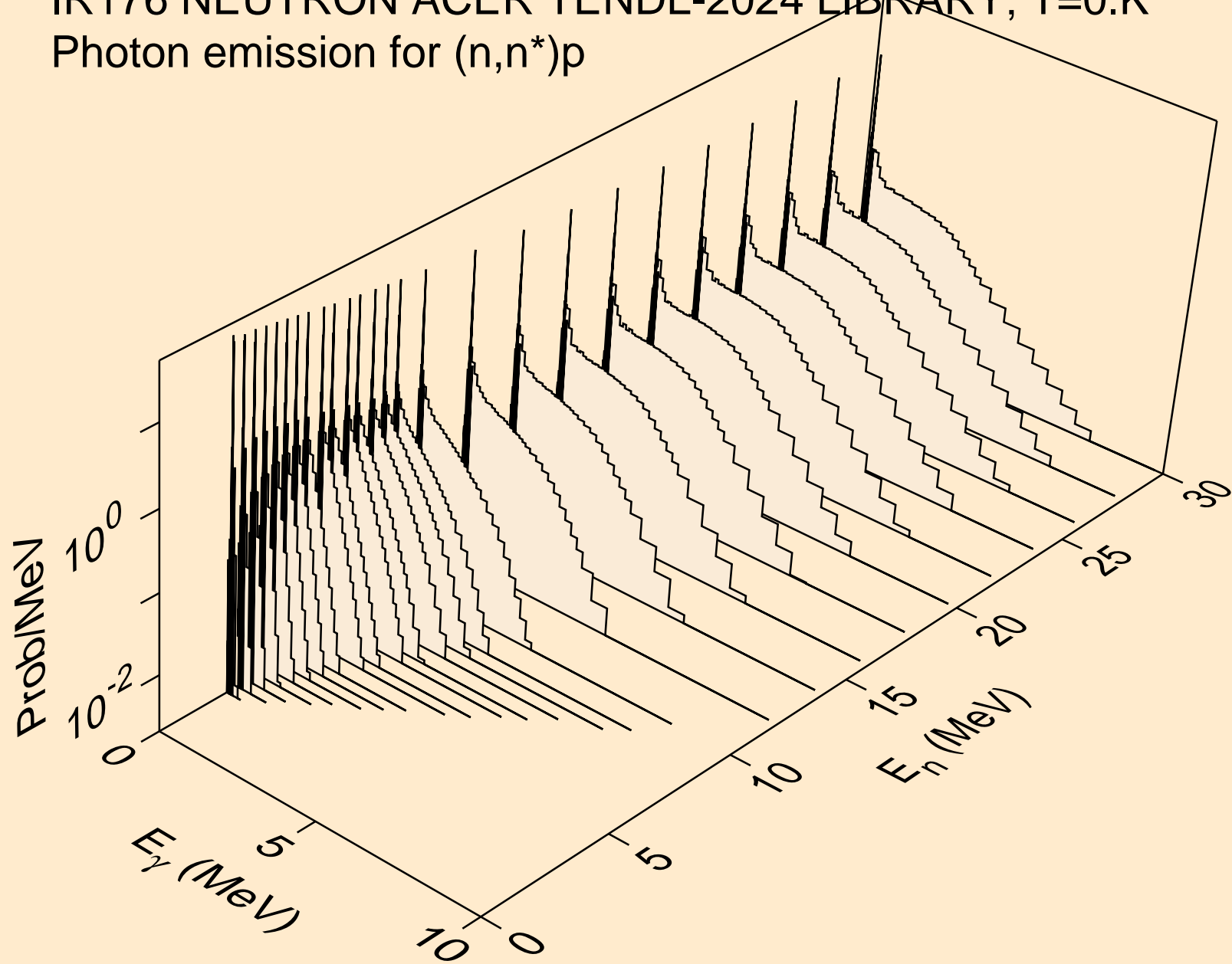
IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)a



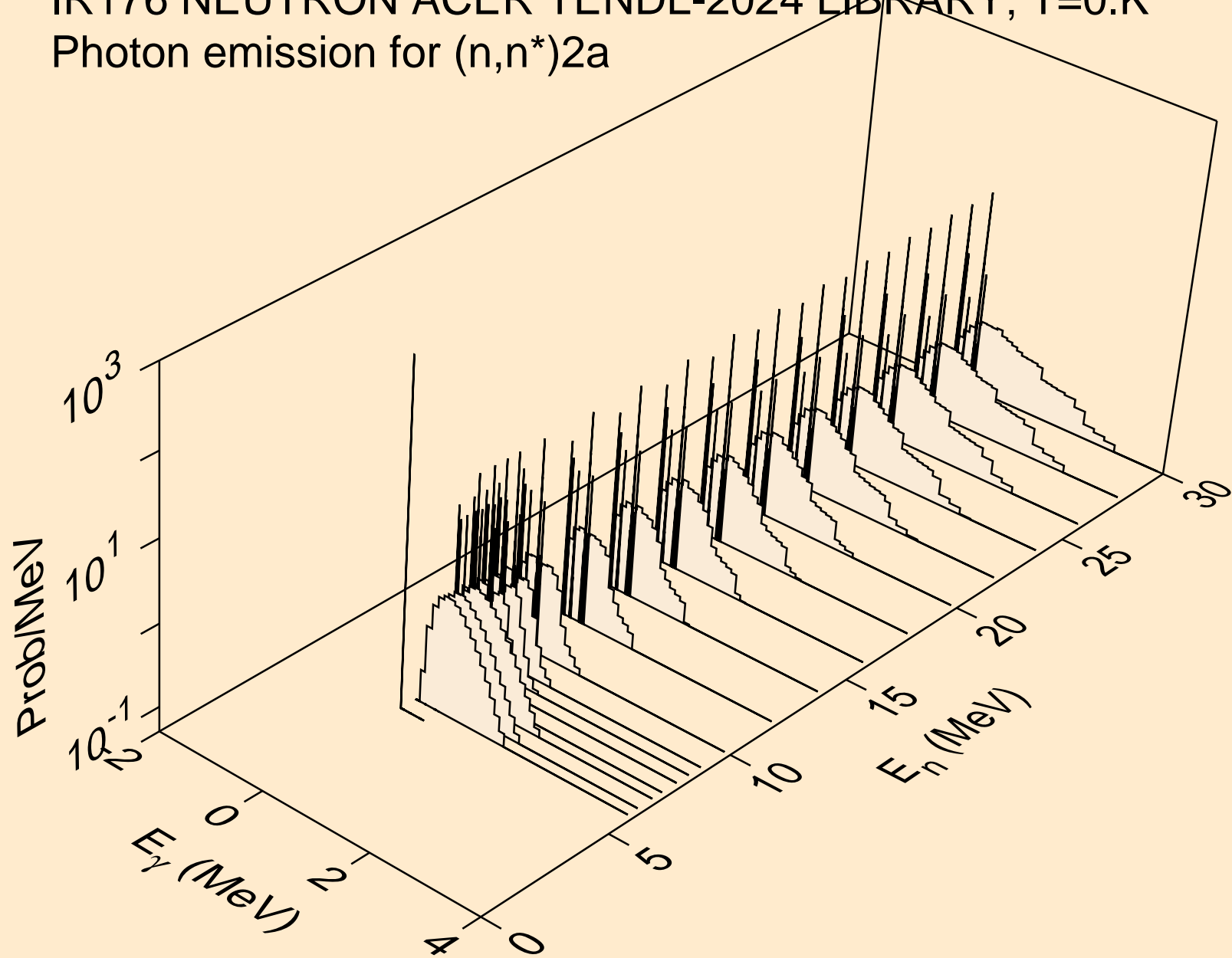
IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)a



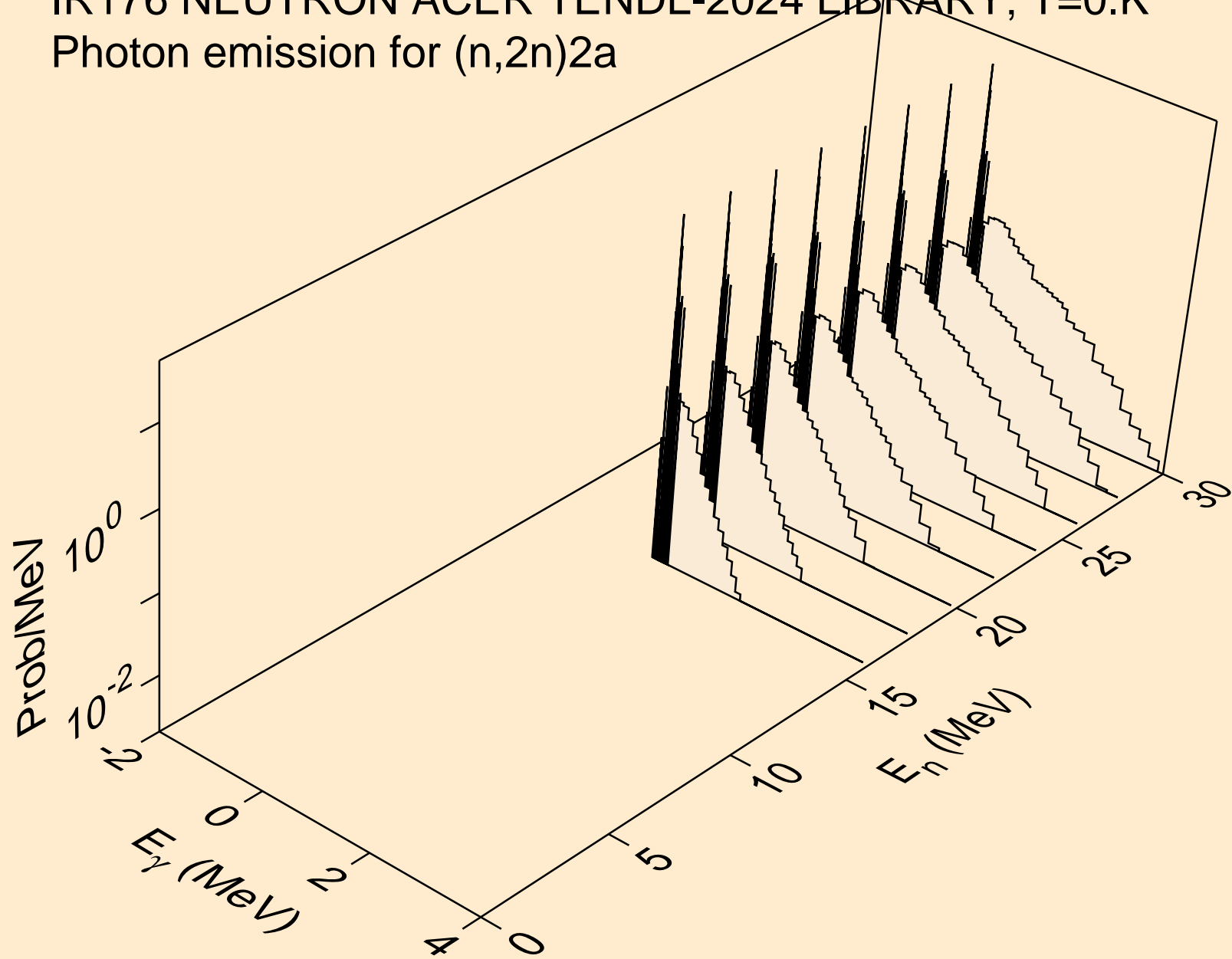
IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



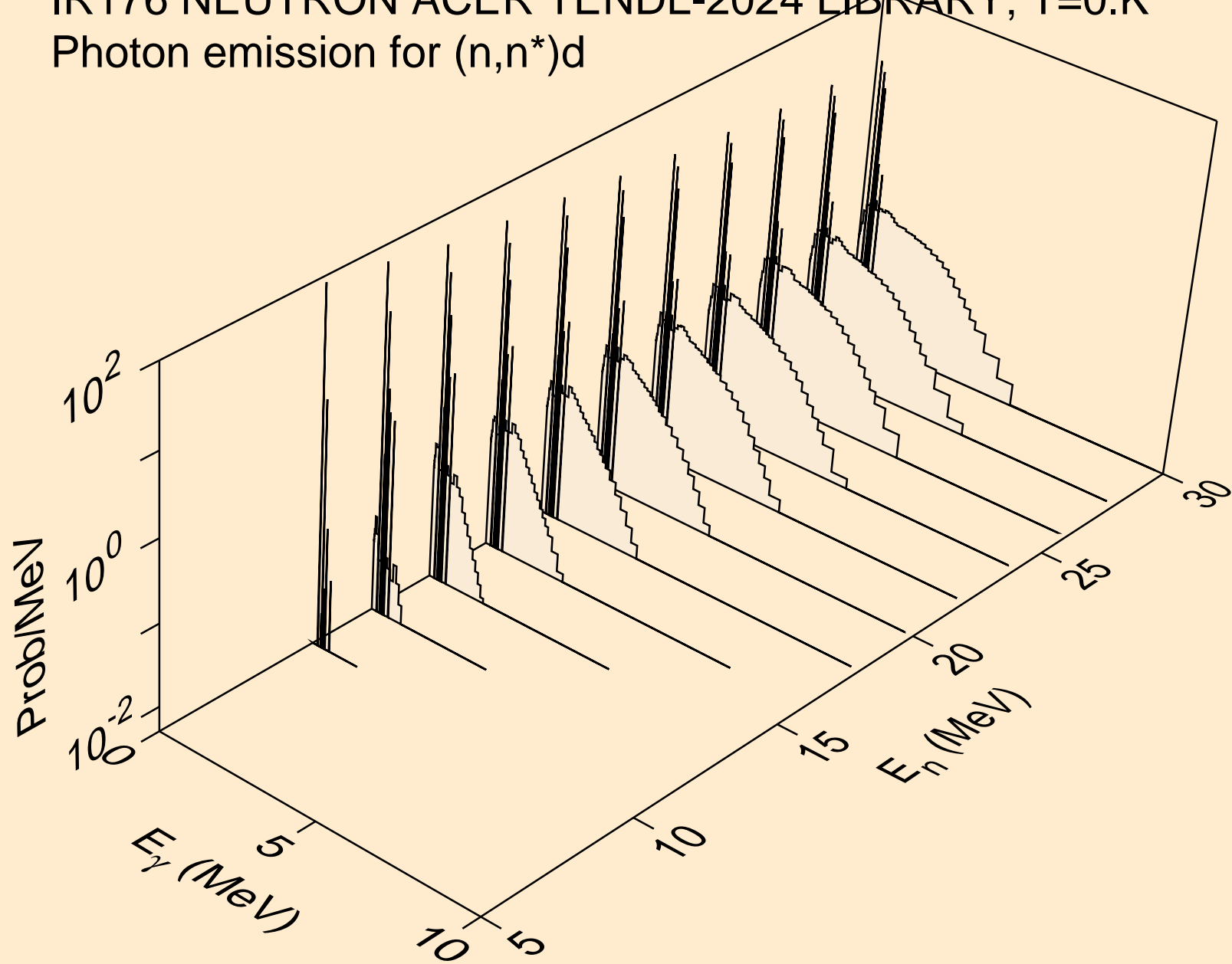
IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)2a

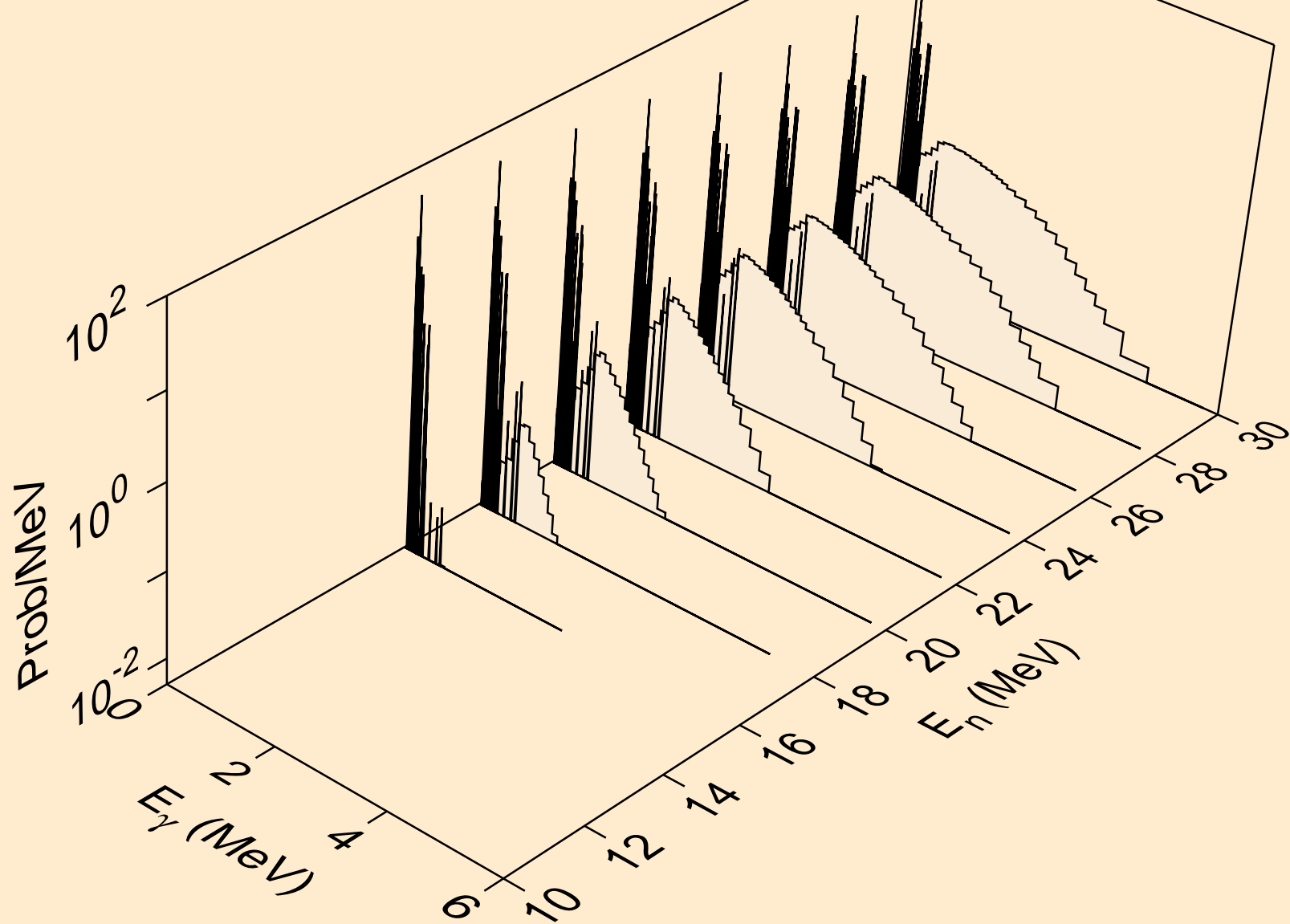


IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)d

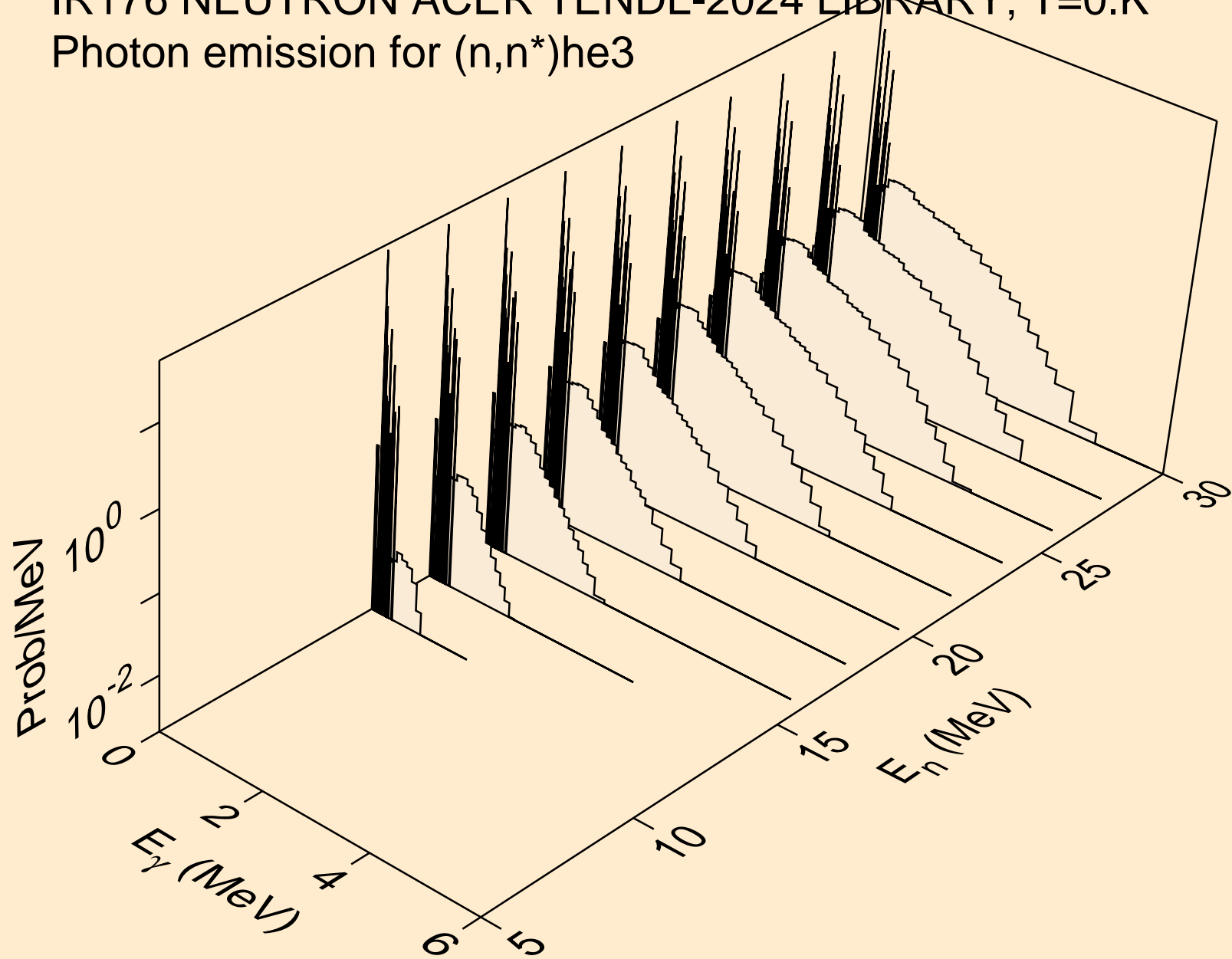




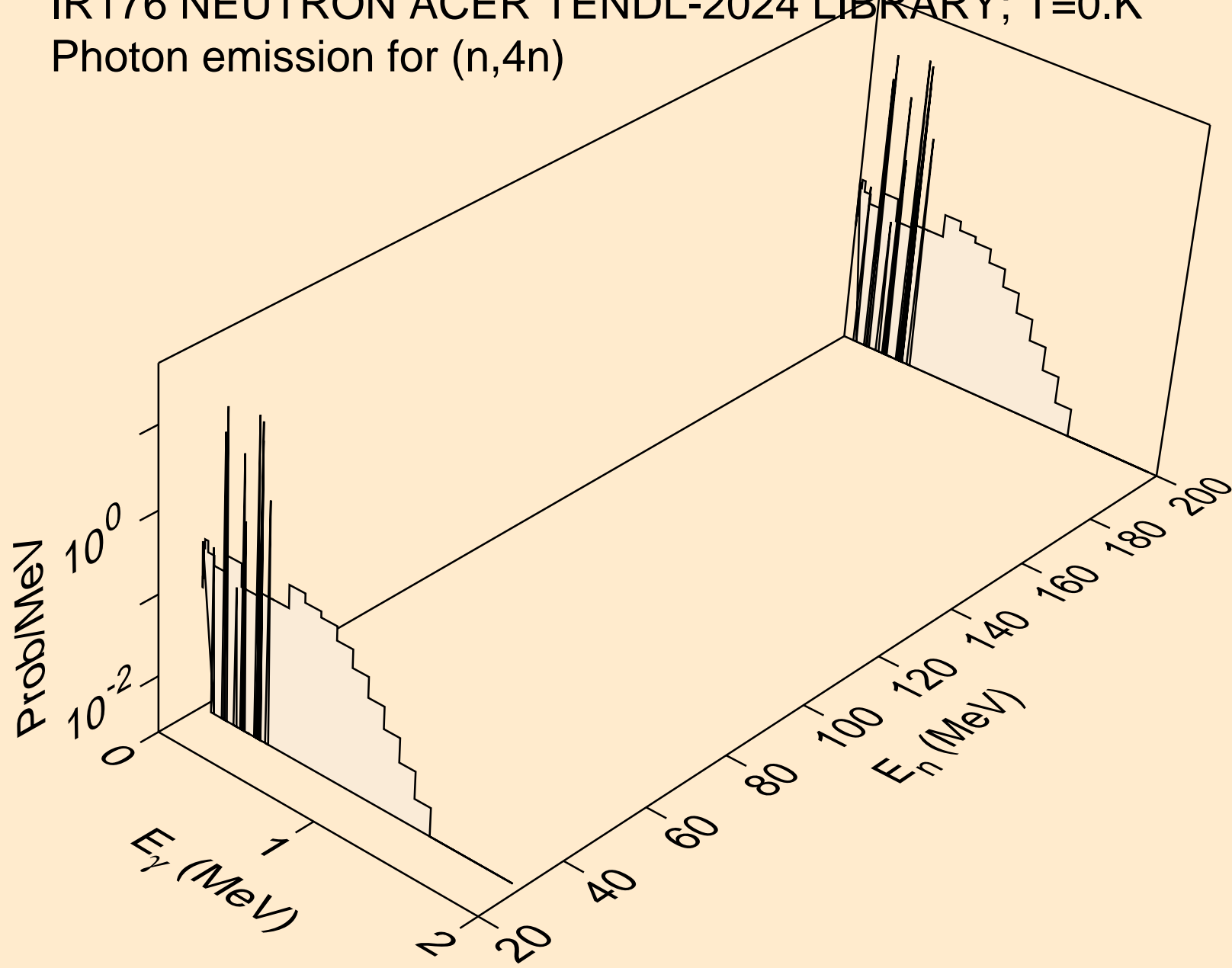
IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



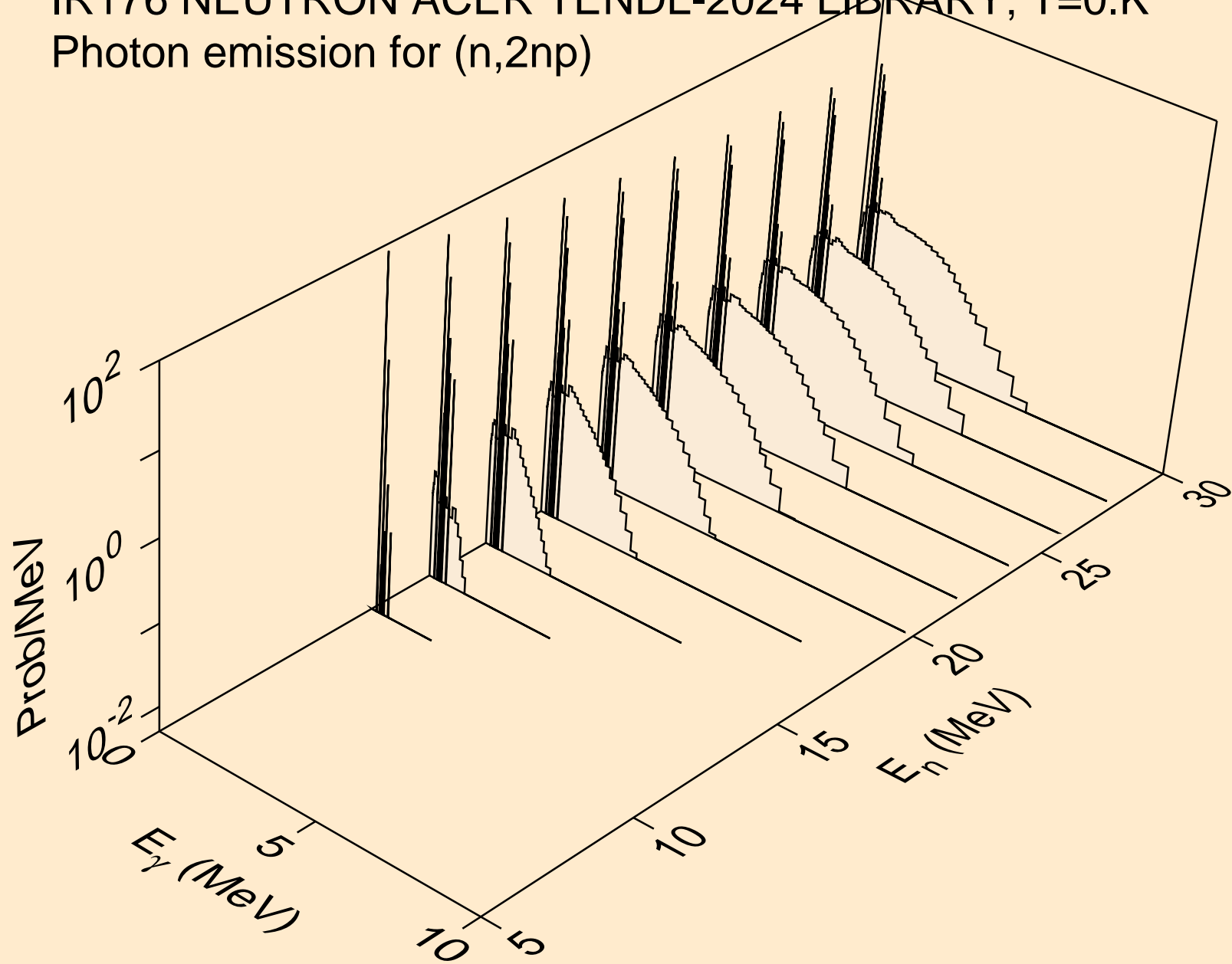
IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



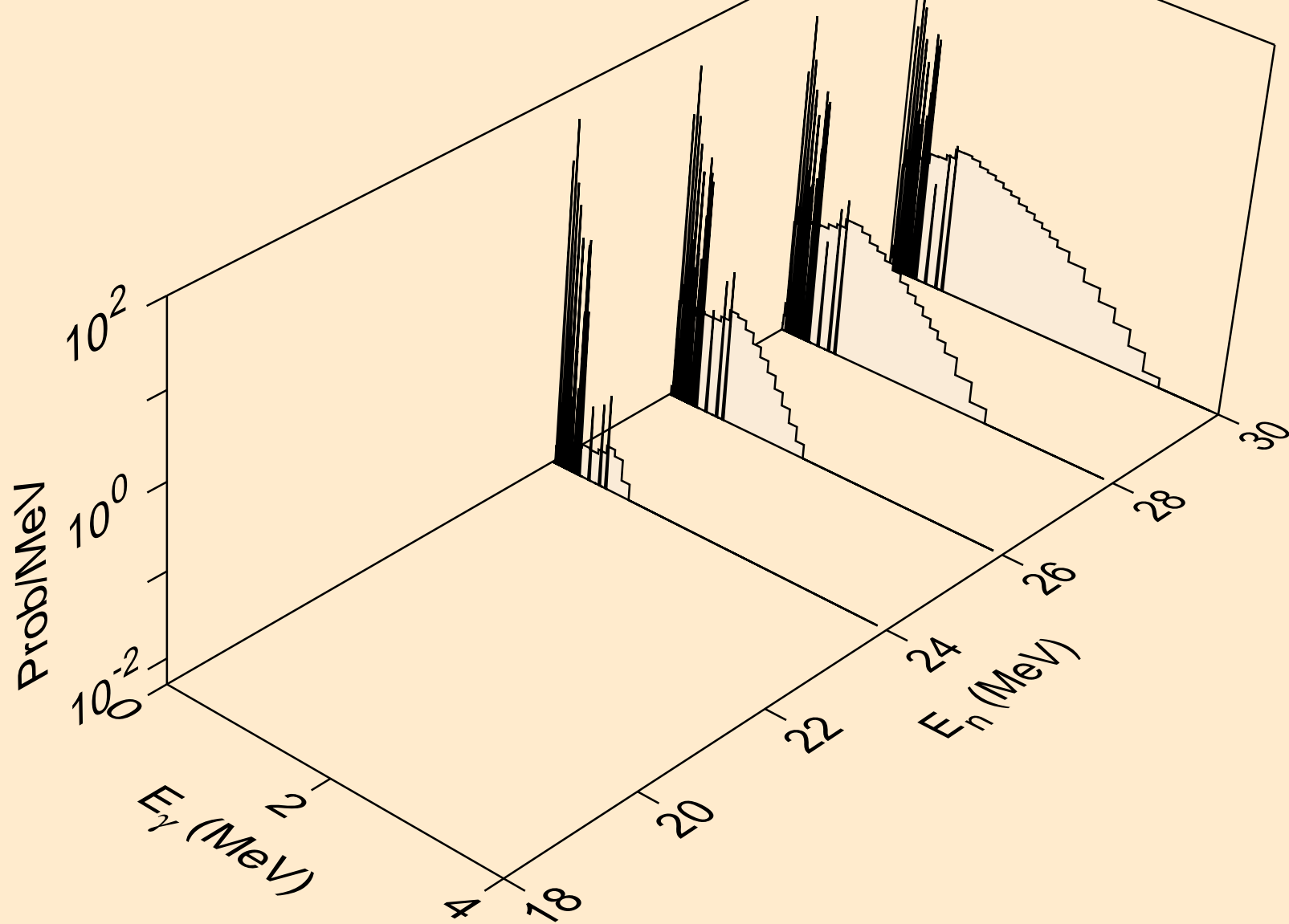
IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,4n)



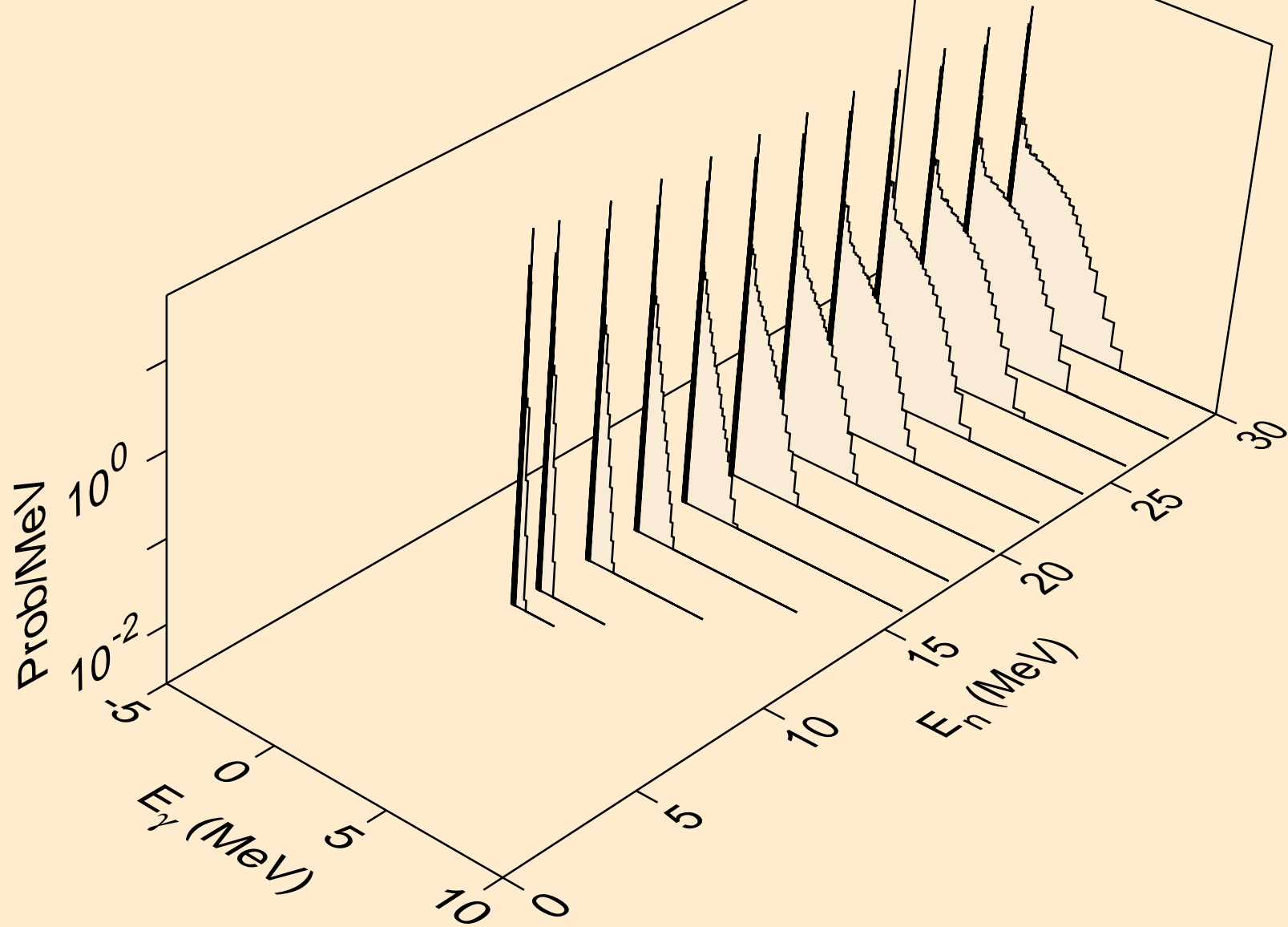
IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2np)



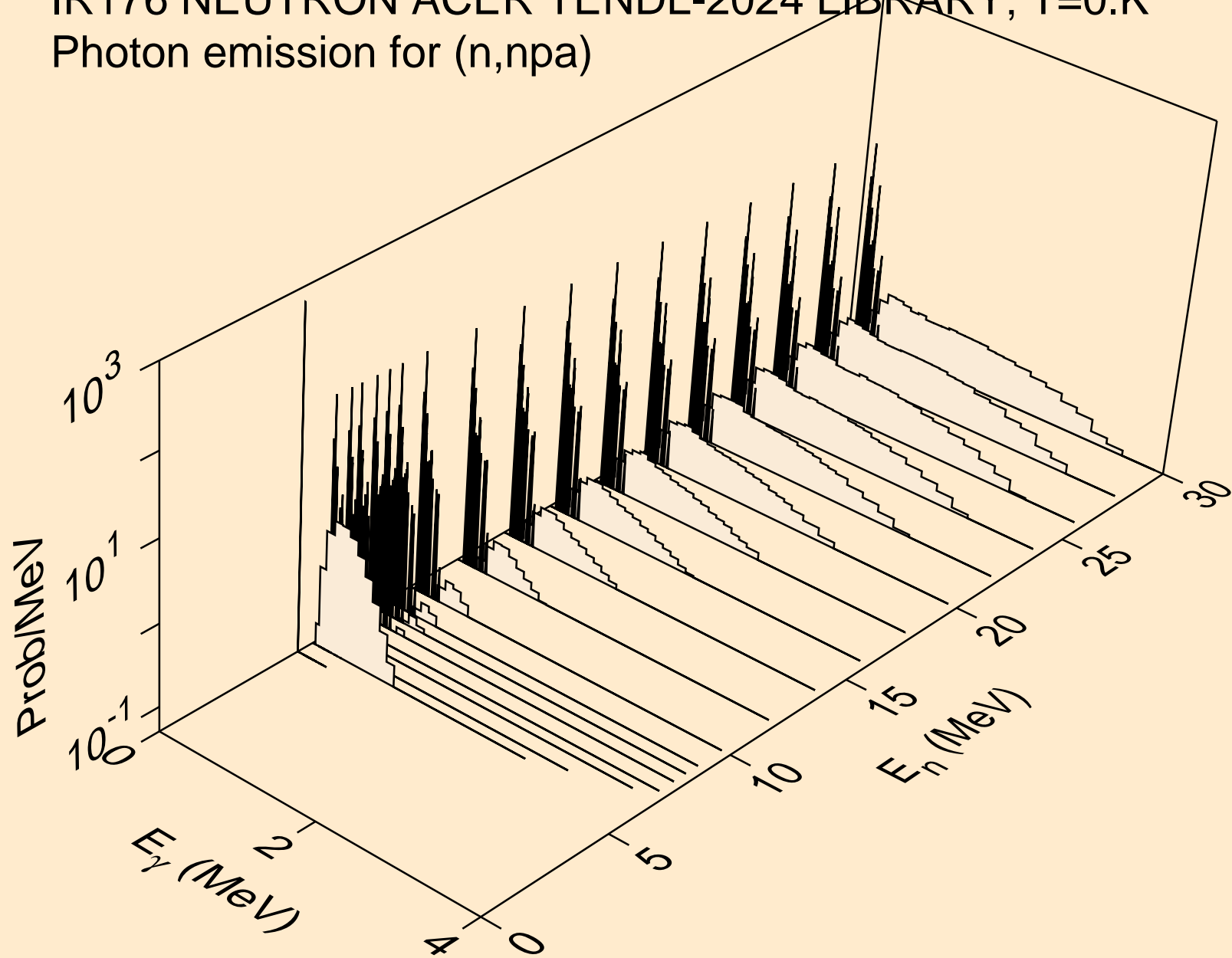
IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3np)



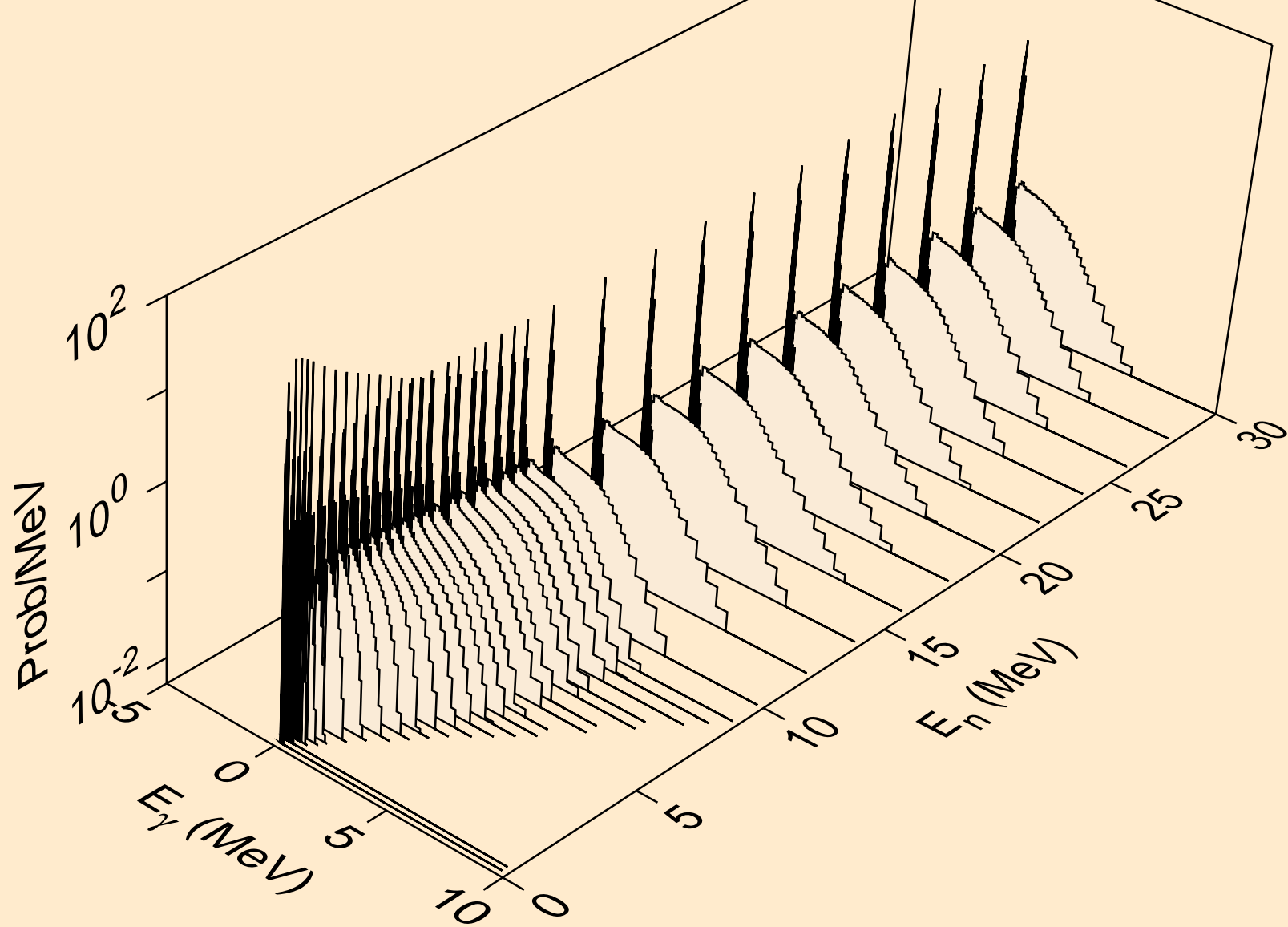
IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n2p)



IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,npa)

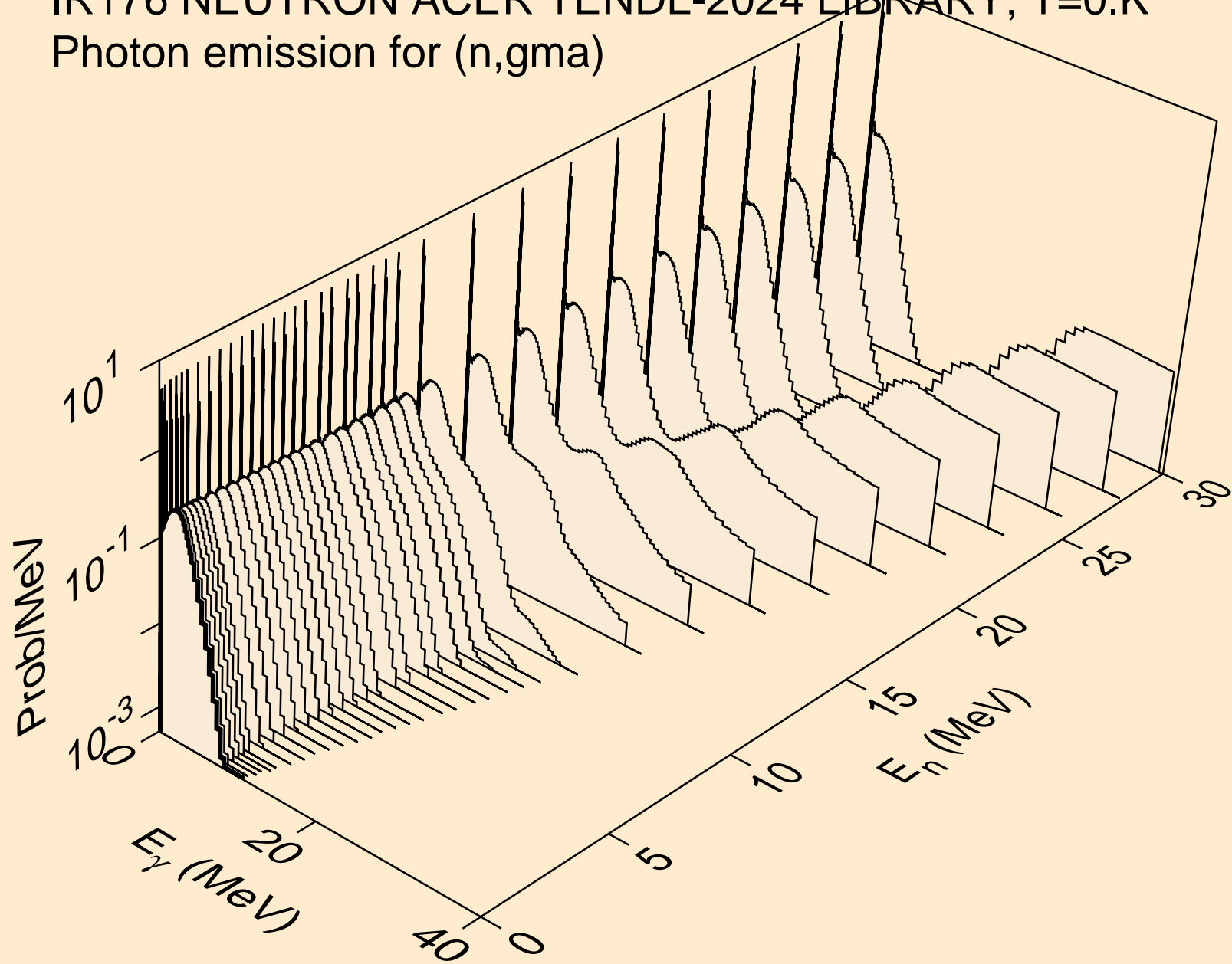


IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*c)

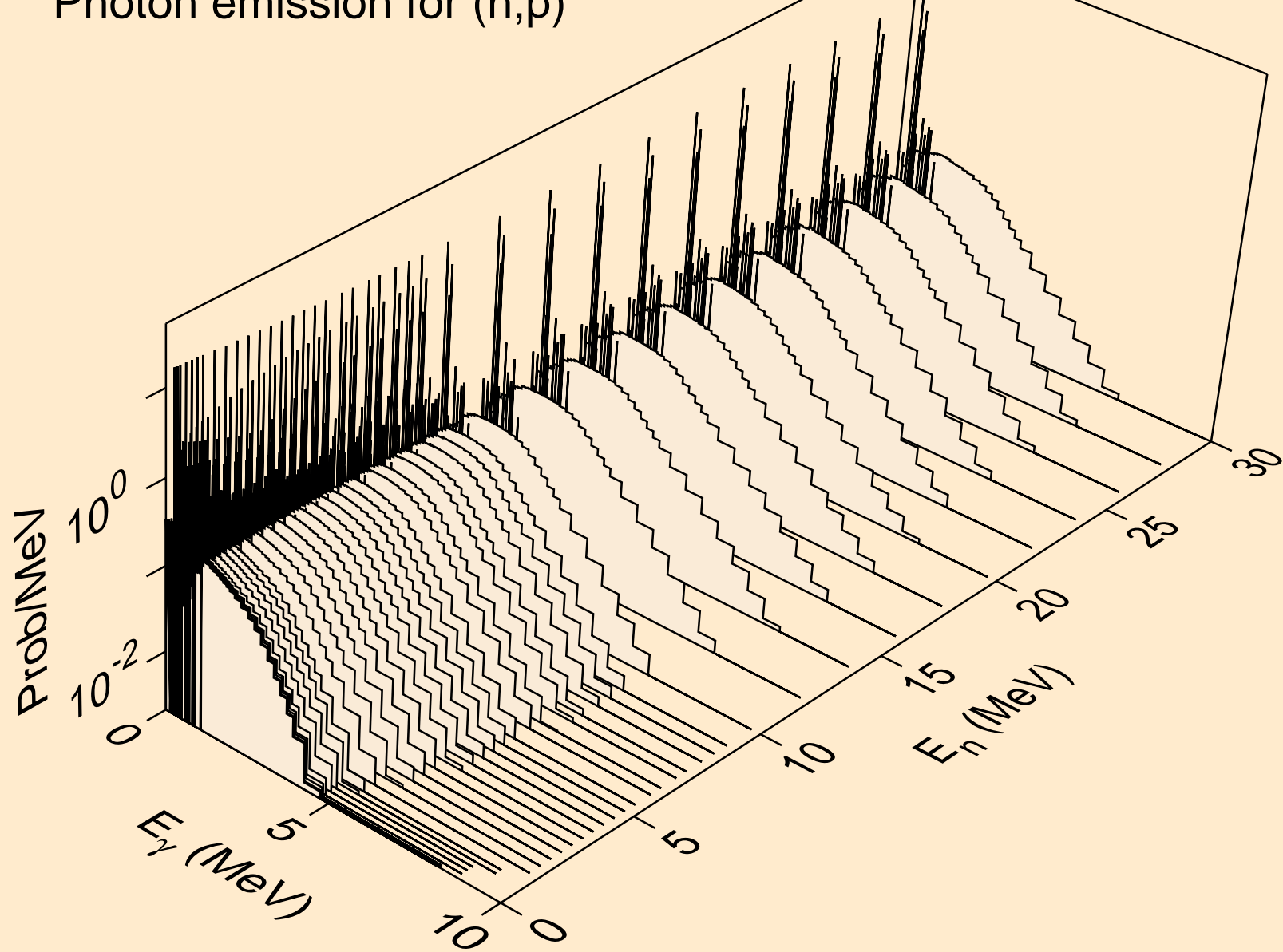




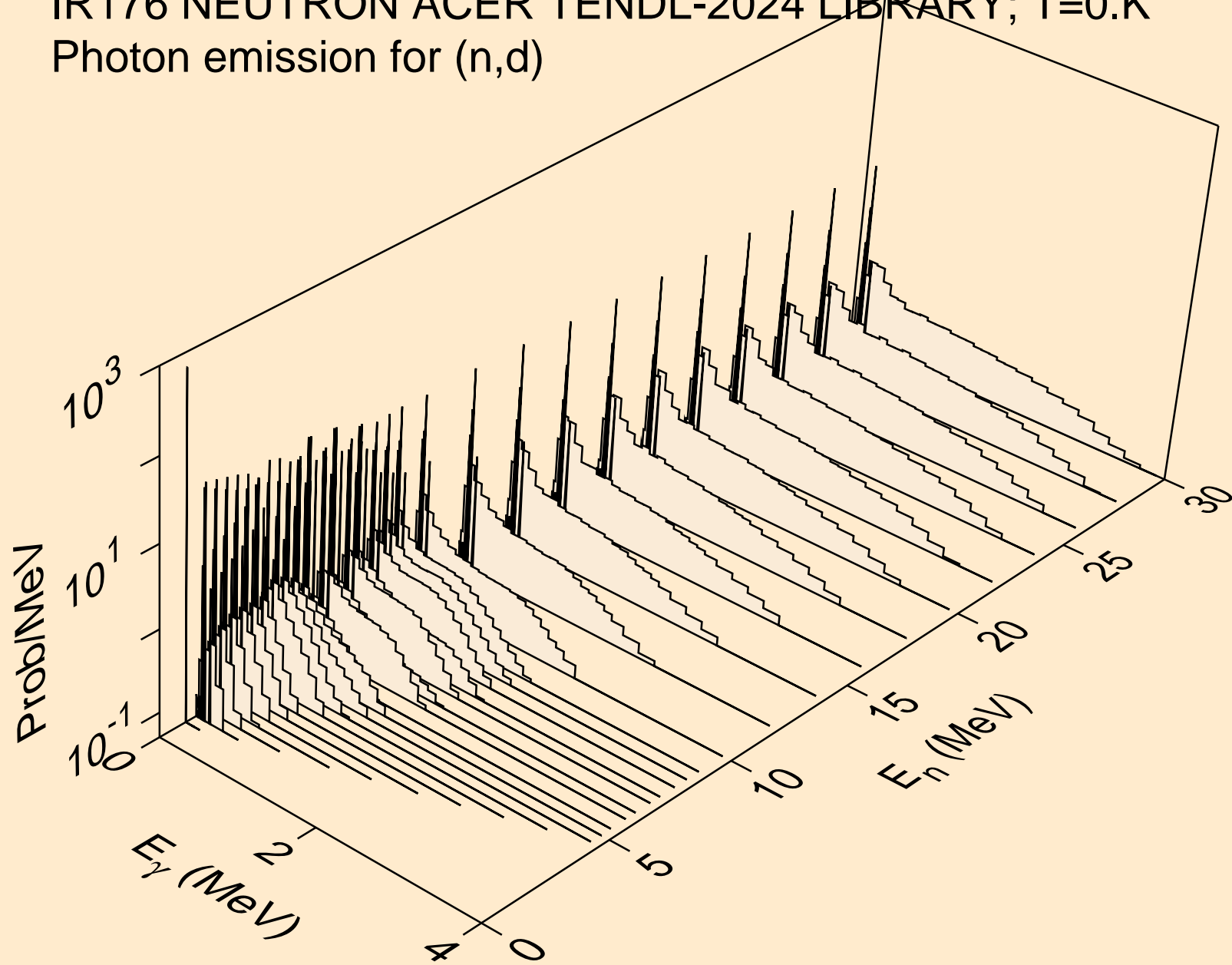
IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,gma)



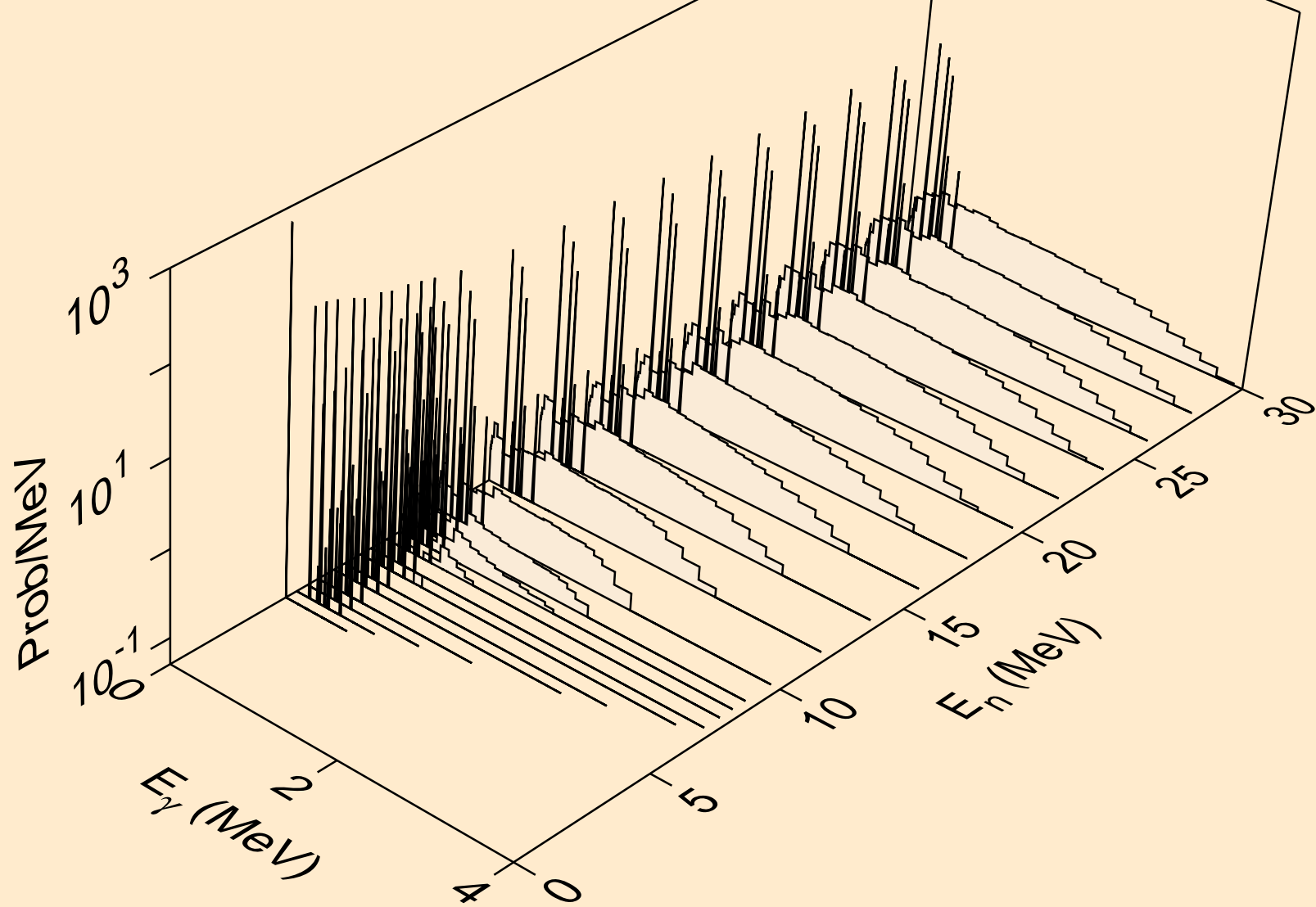
IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p)



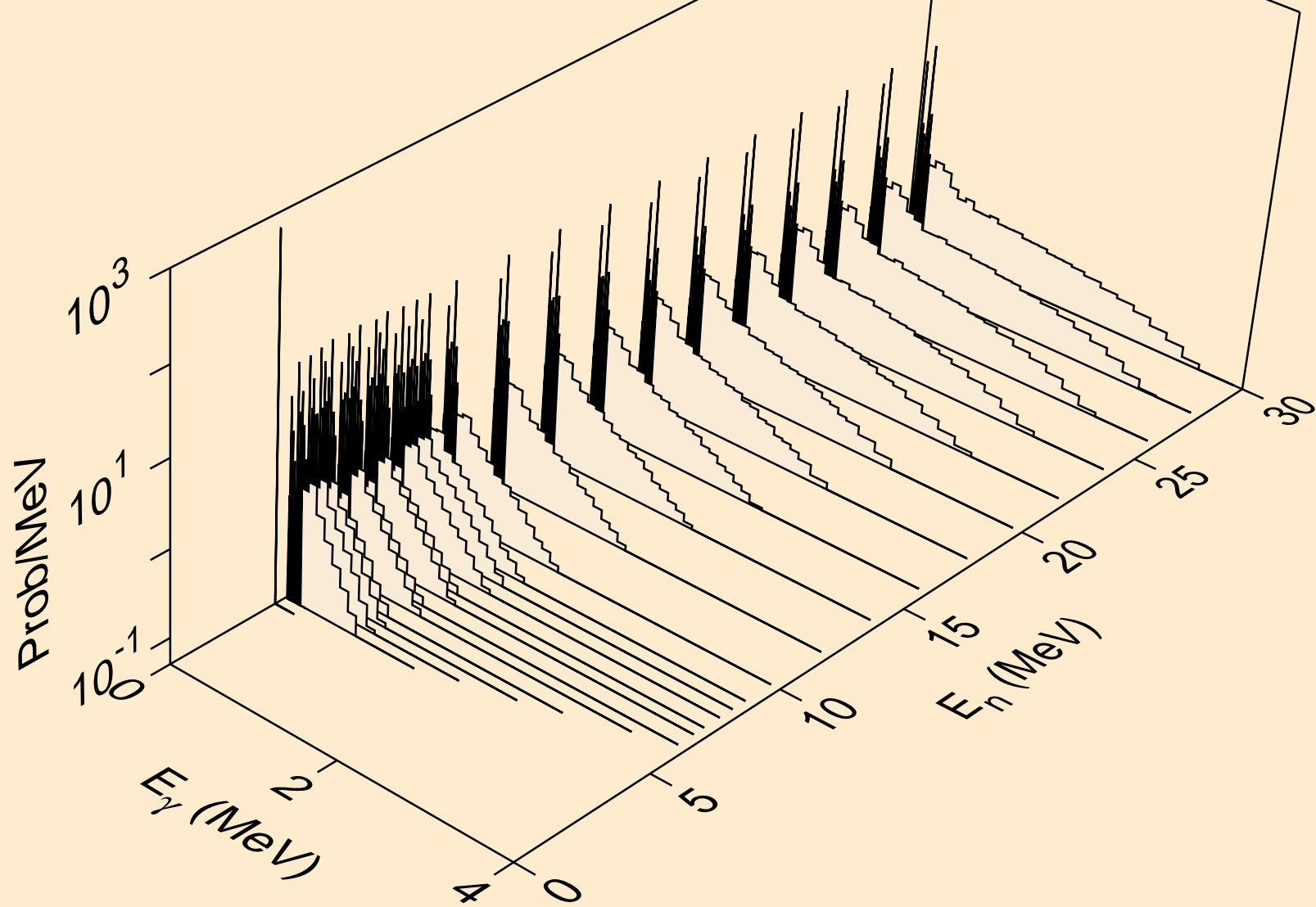
IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,d)



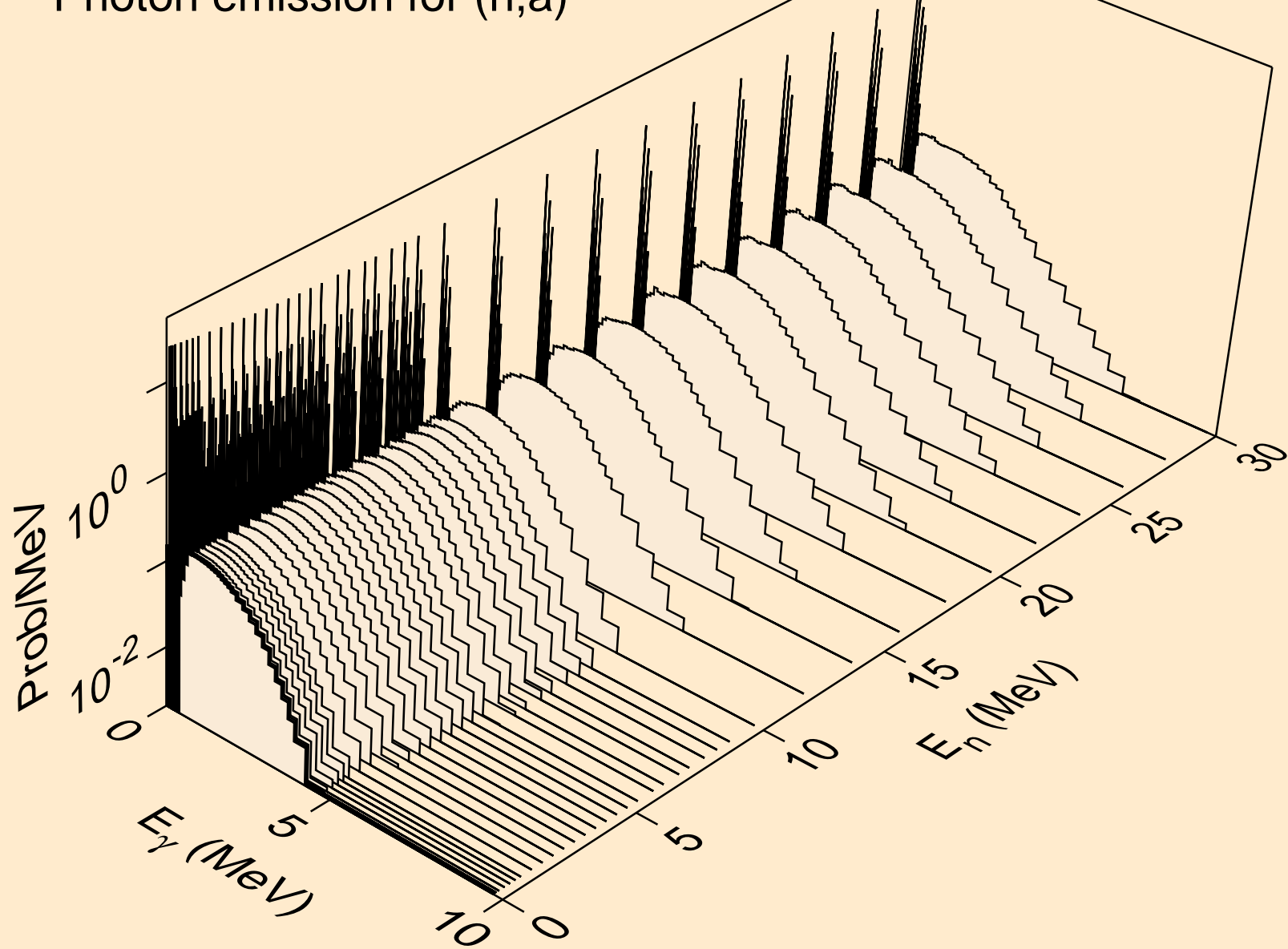
IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,t)



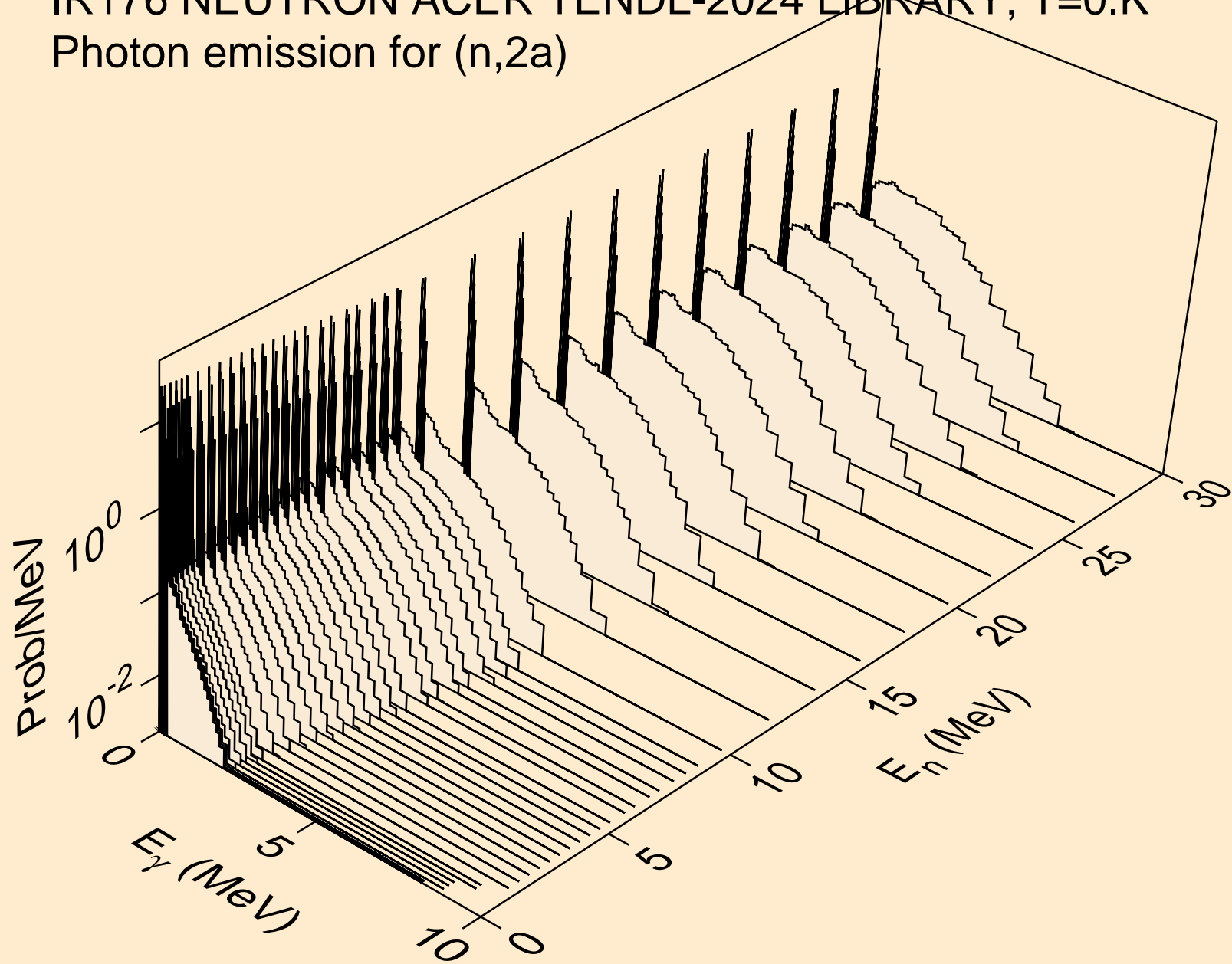
IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,he3)



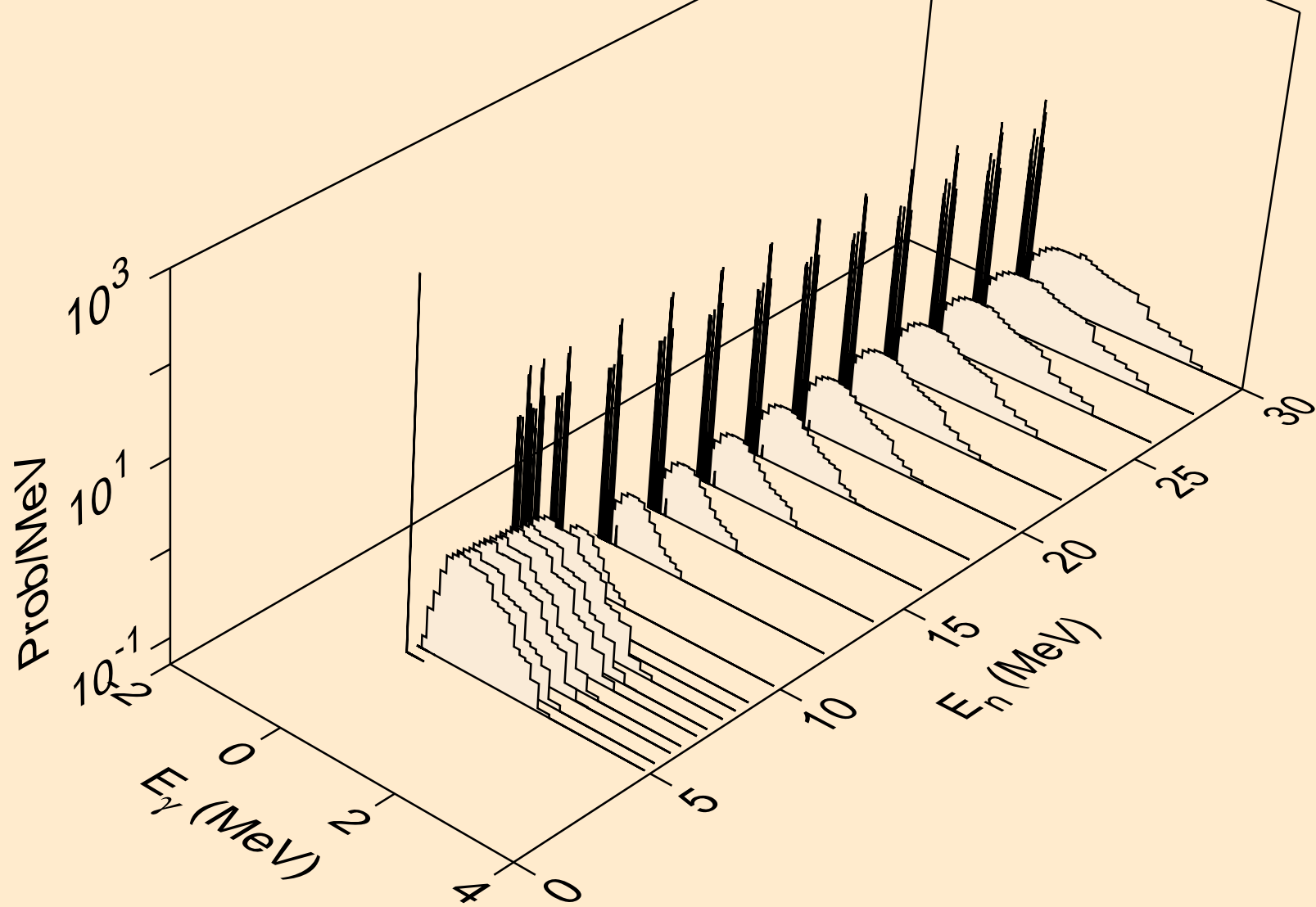
IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,a)



IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2a)

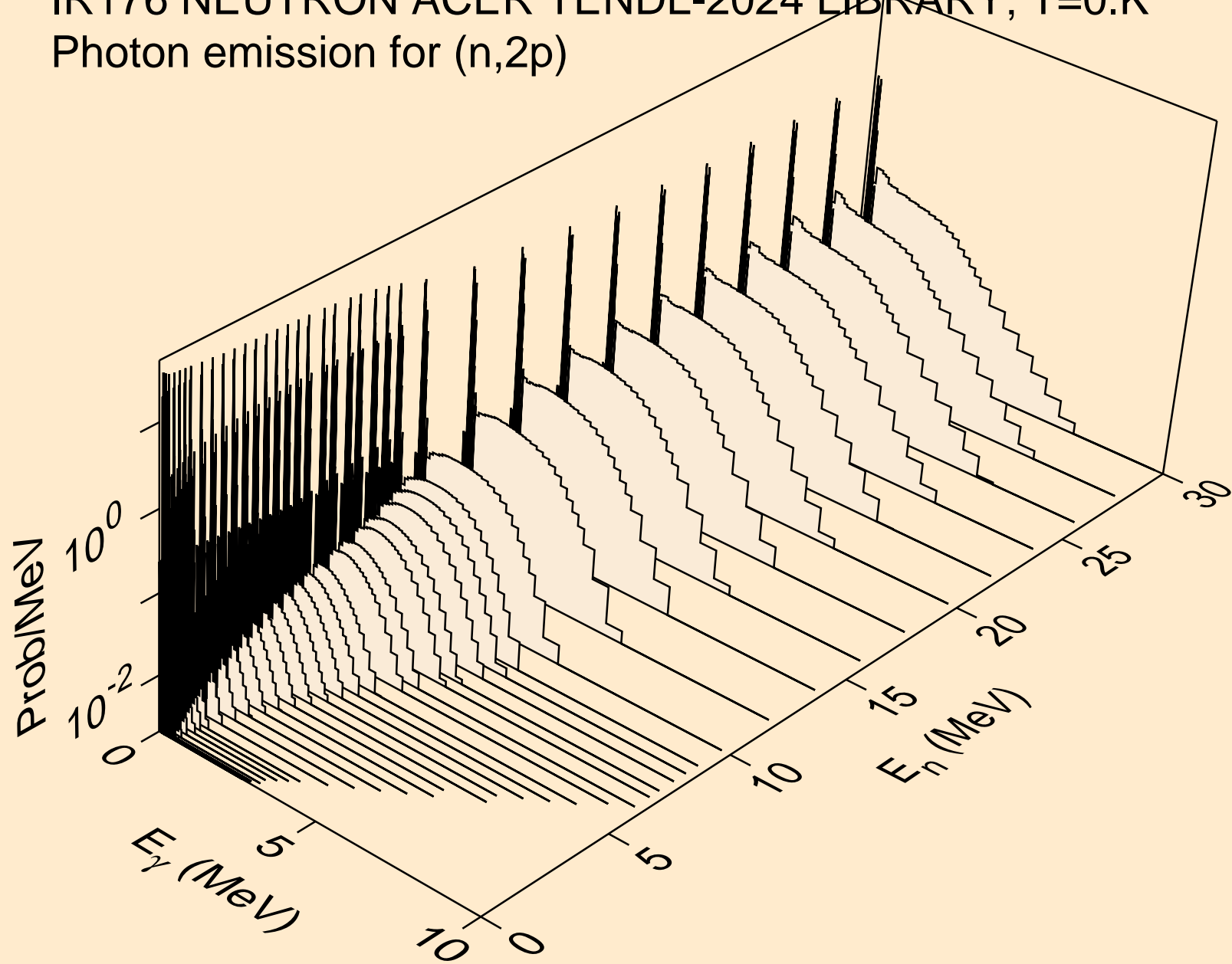


IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3a)

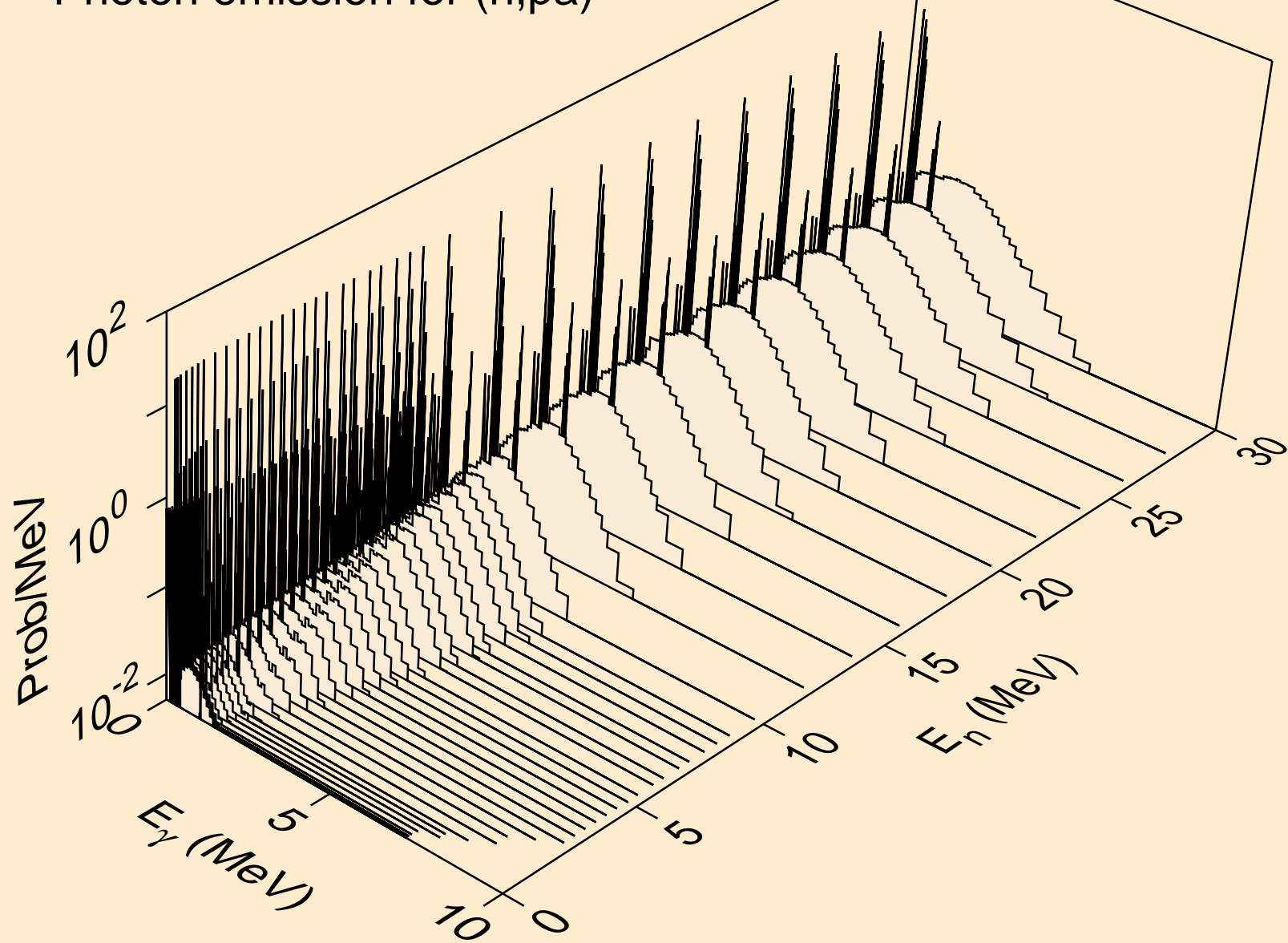




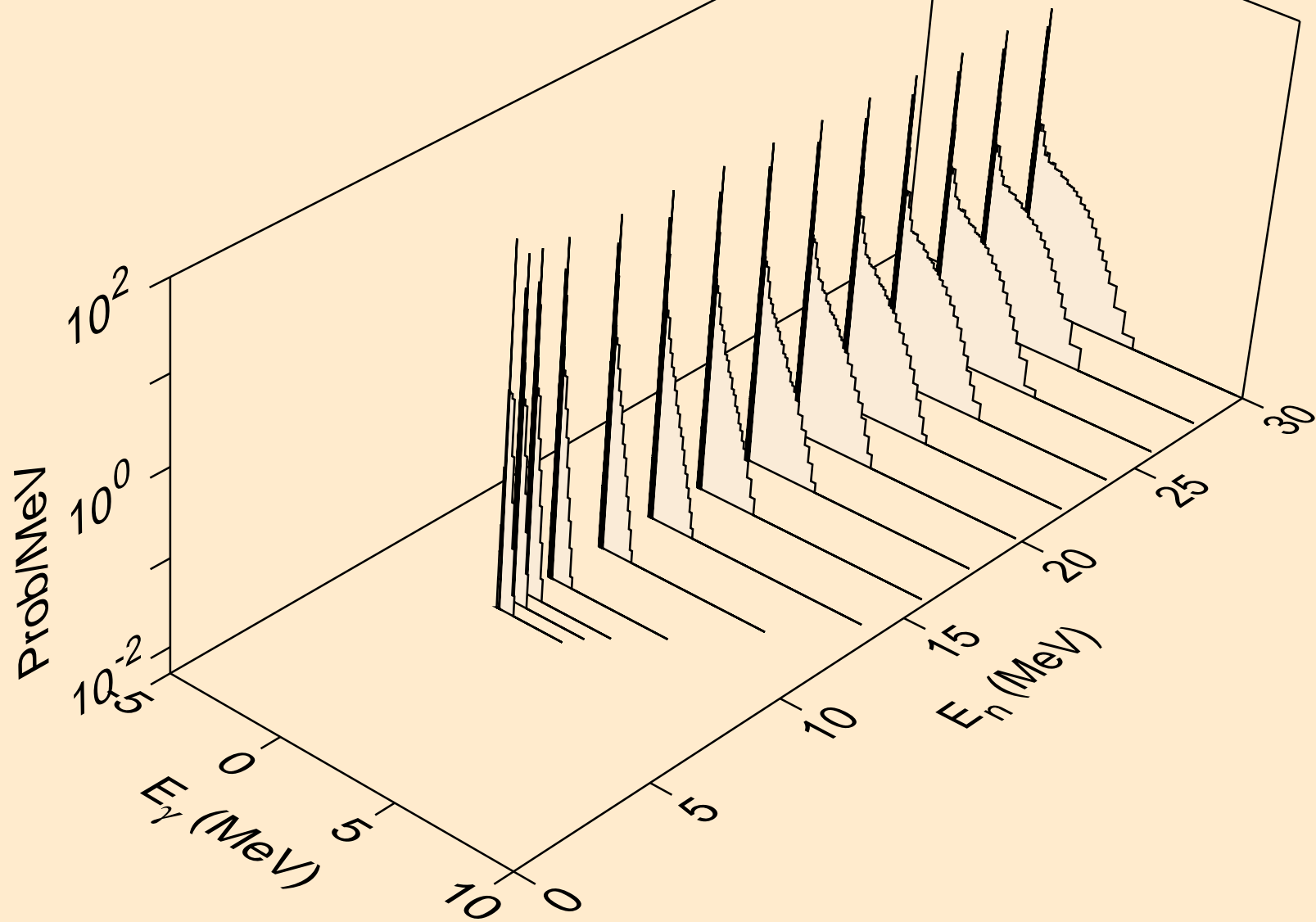
IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2p)



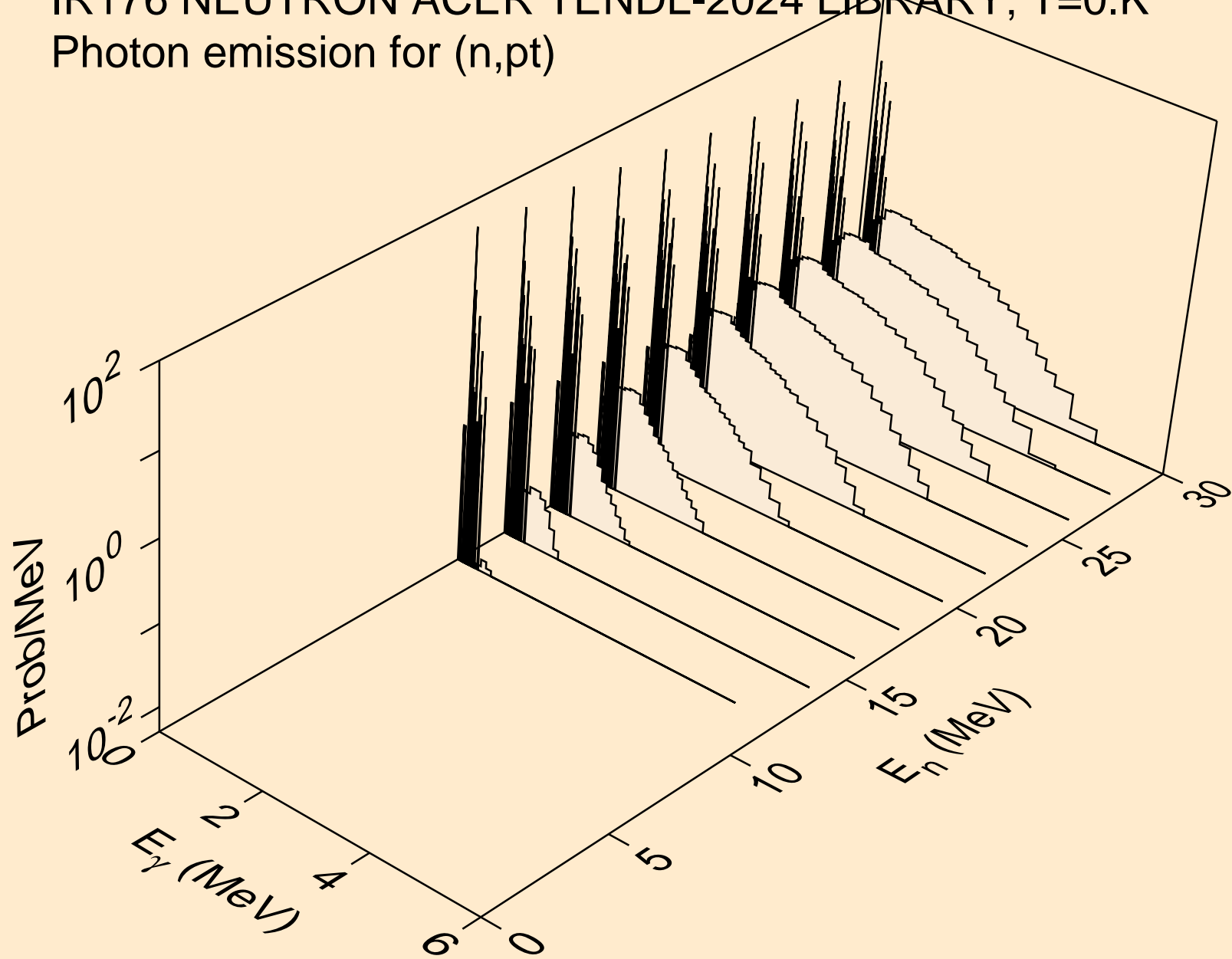
IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p $\alpha$ )



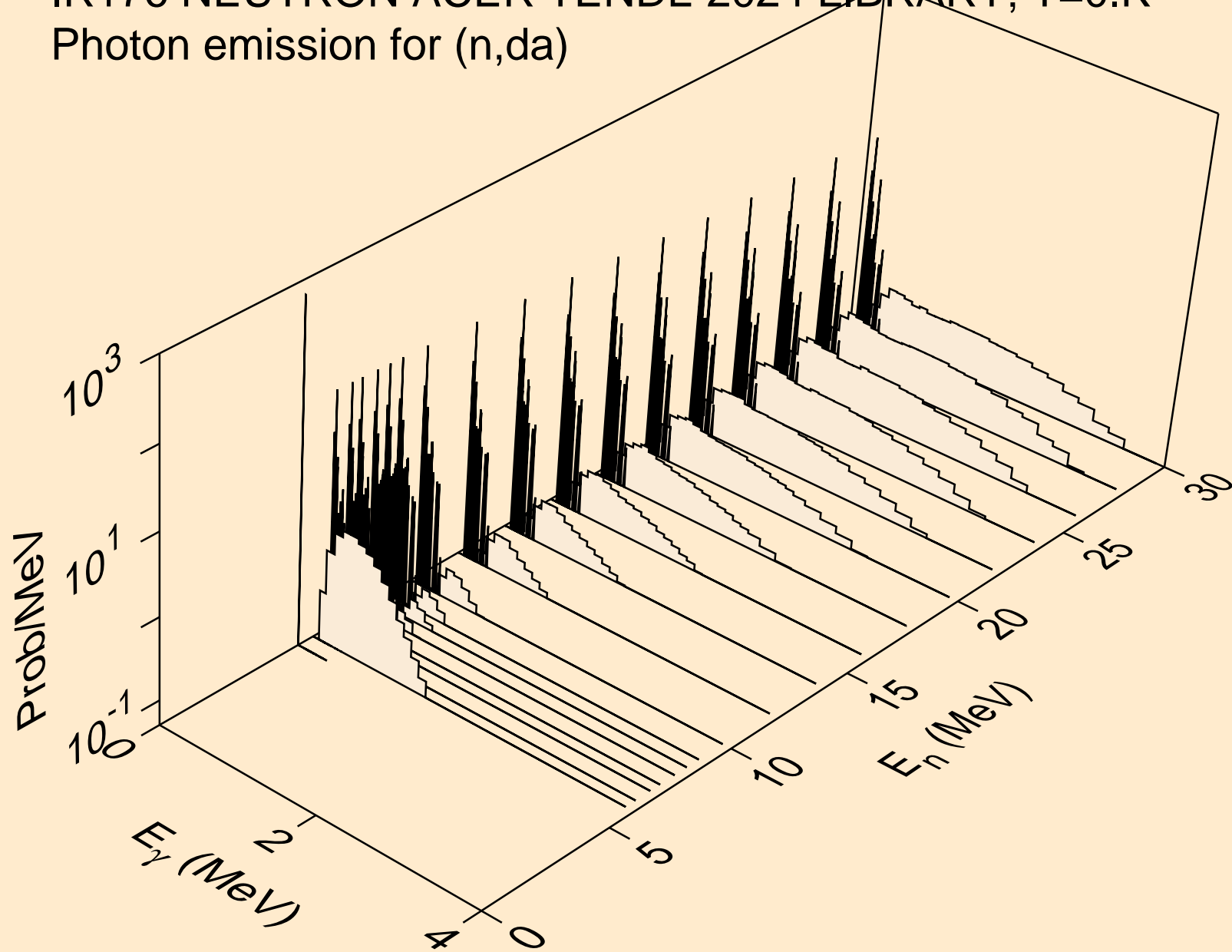
IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pd)



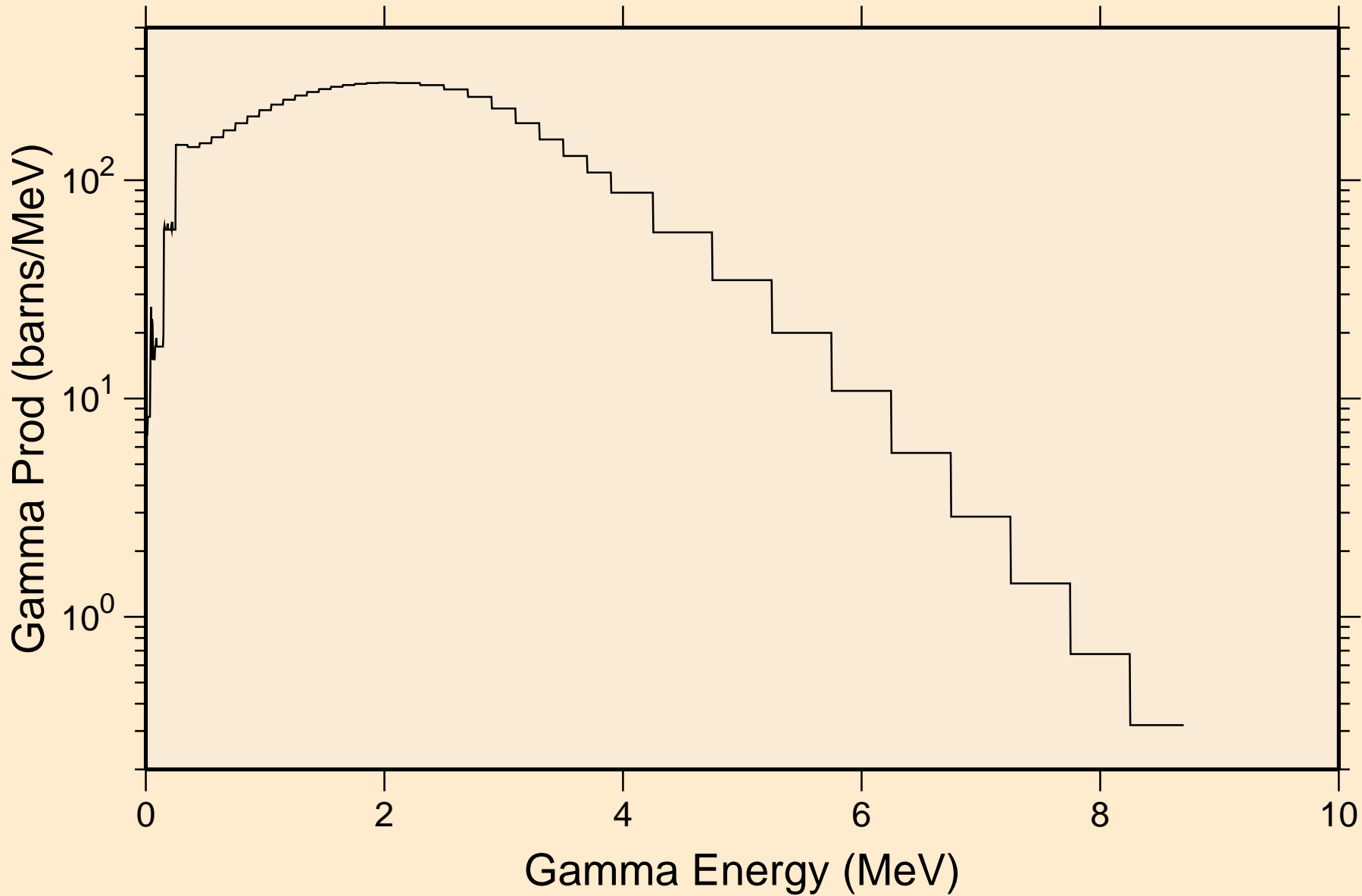
IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pt)



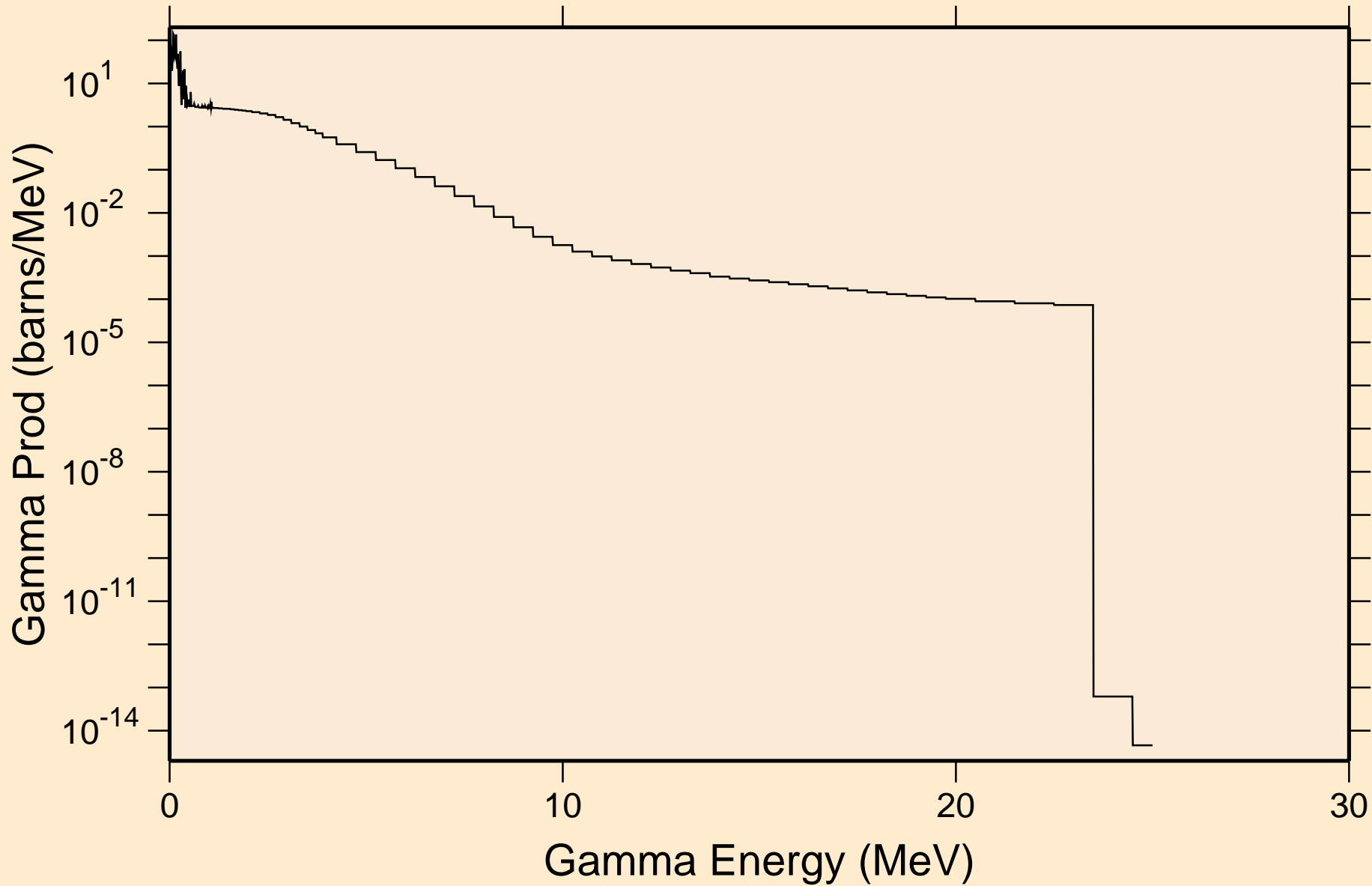
IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,da)



IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
thermal capture photon spectrum

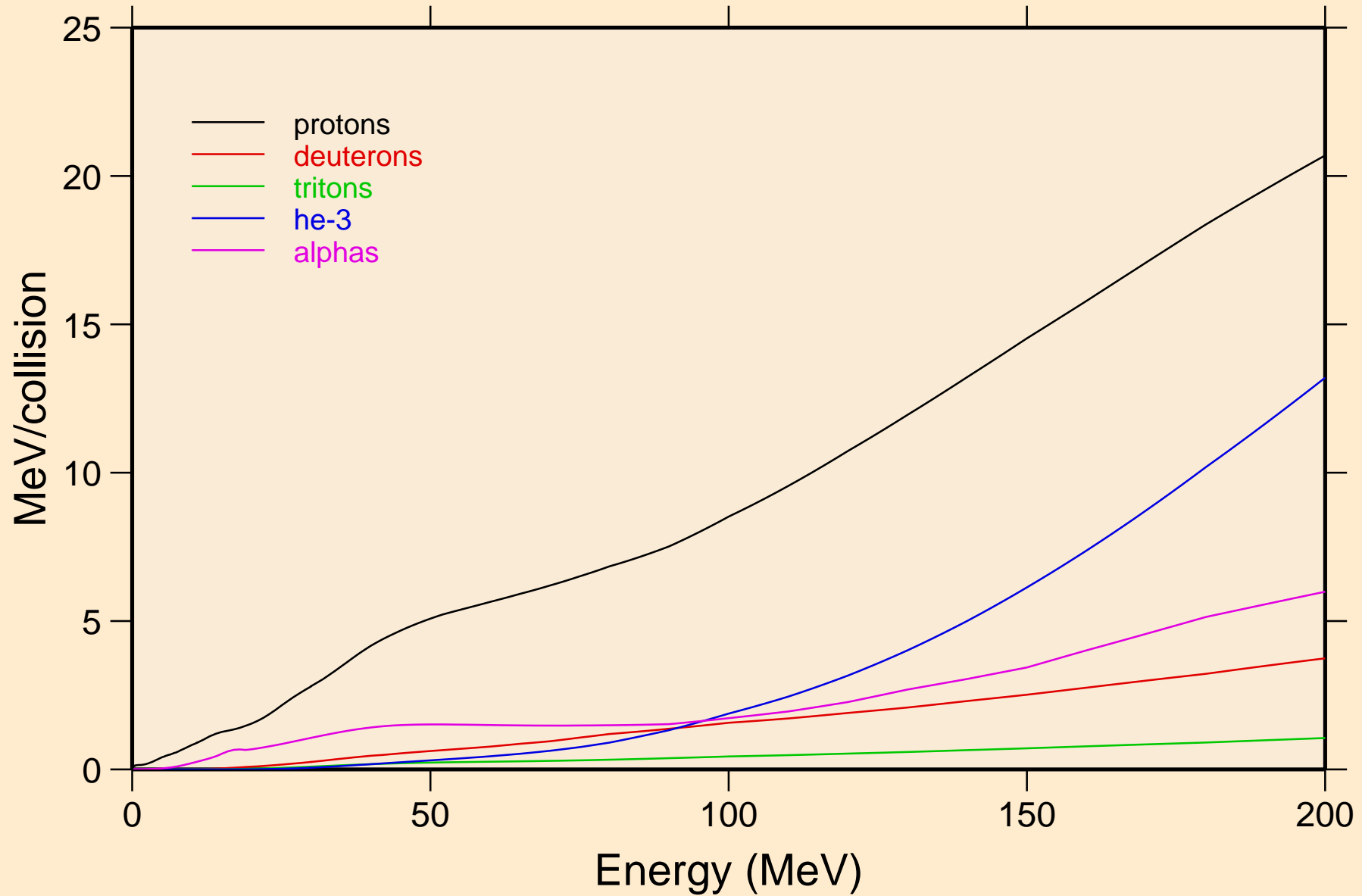


IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
14 MeV photon spectrum



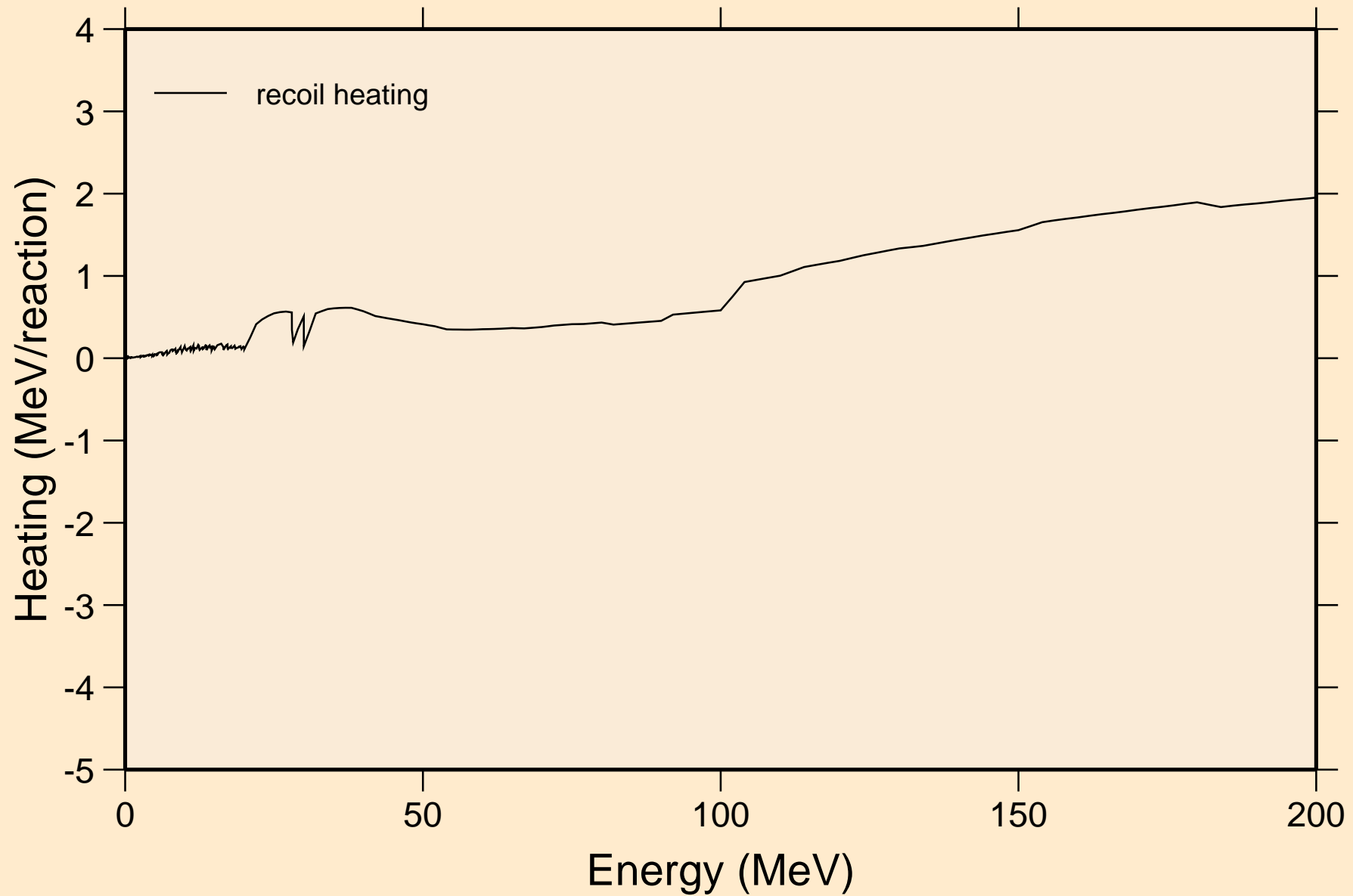
# IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Particle heating contributions



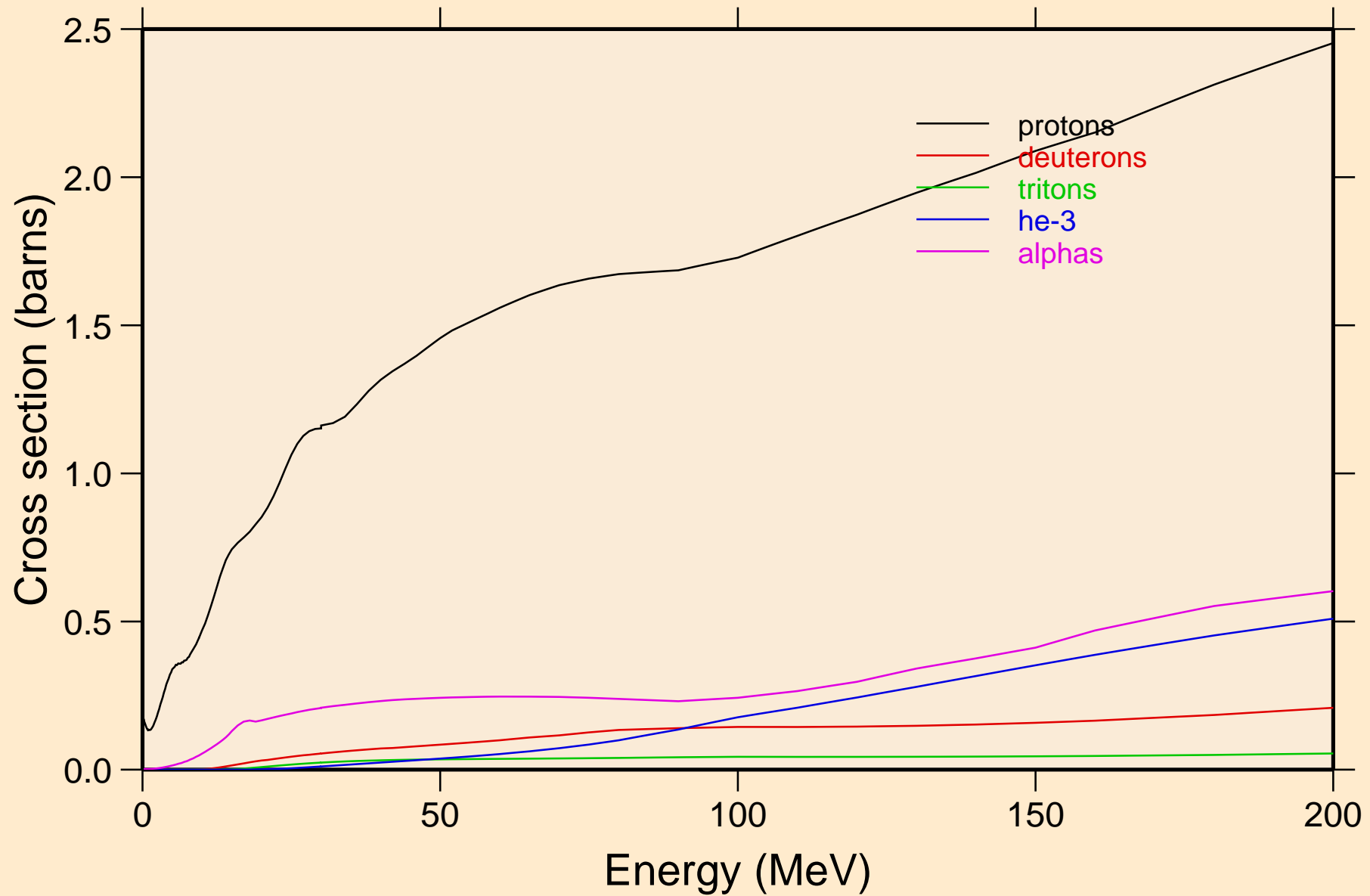


IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Recoil Heating

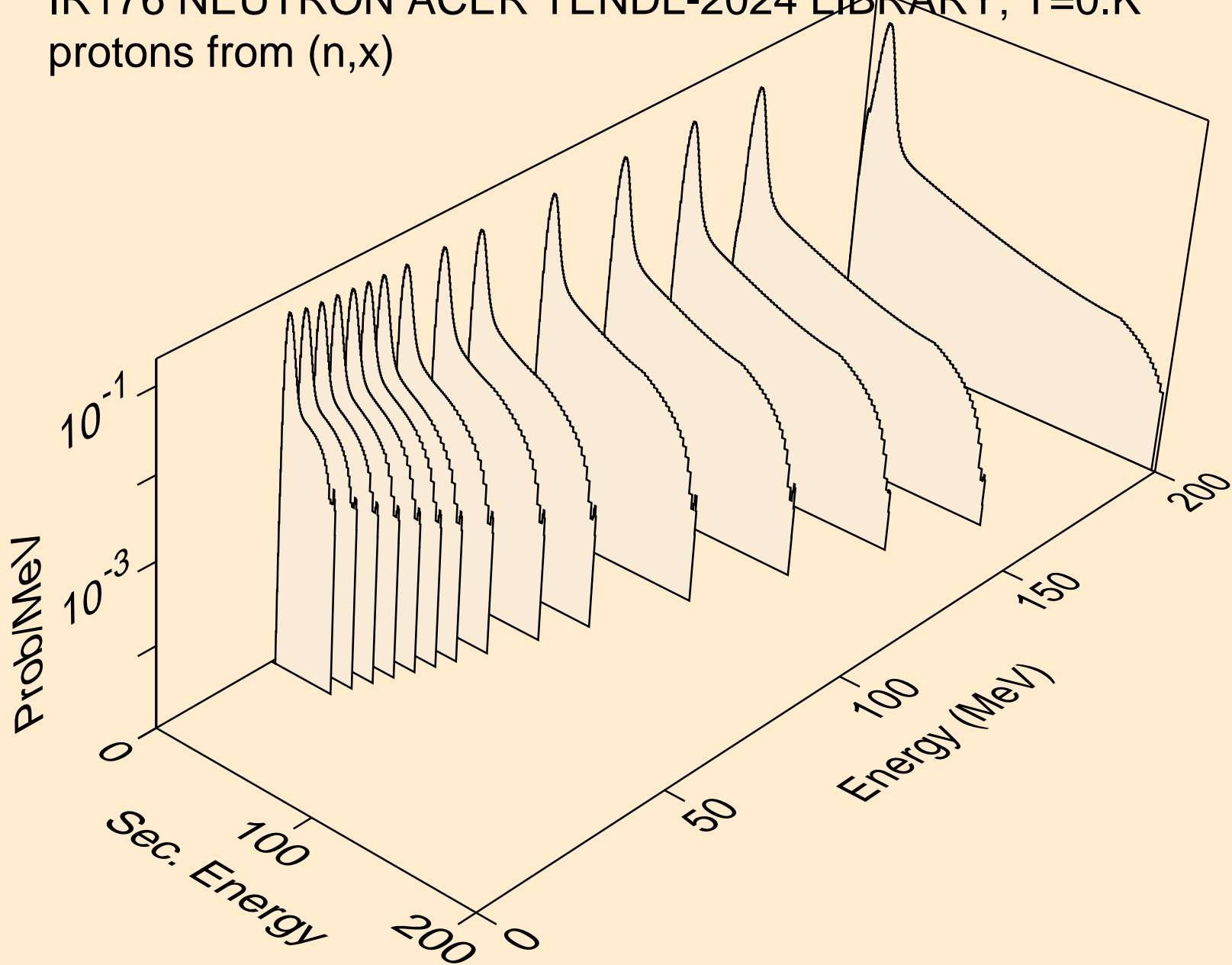


# IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

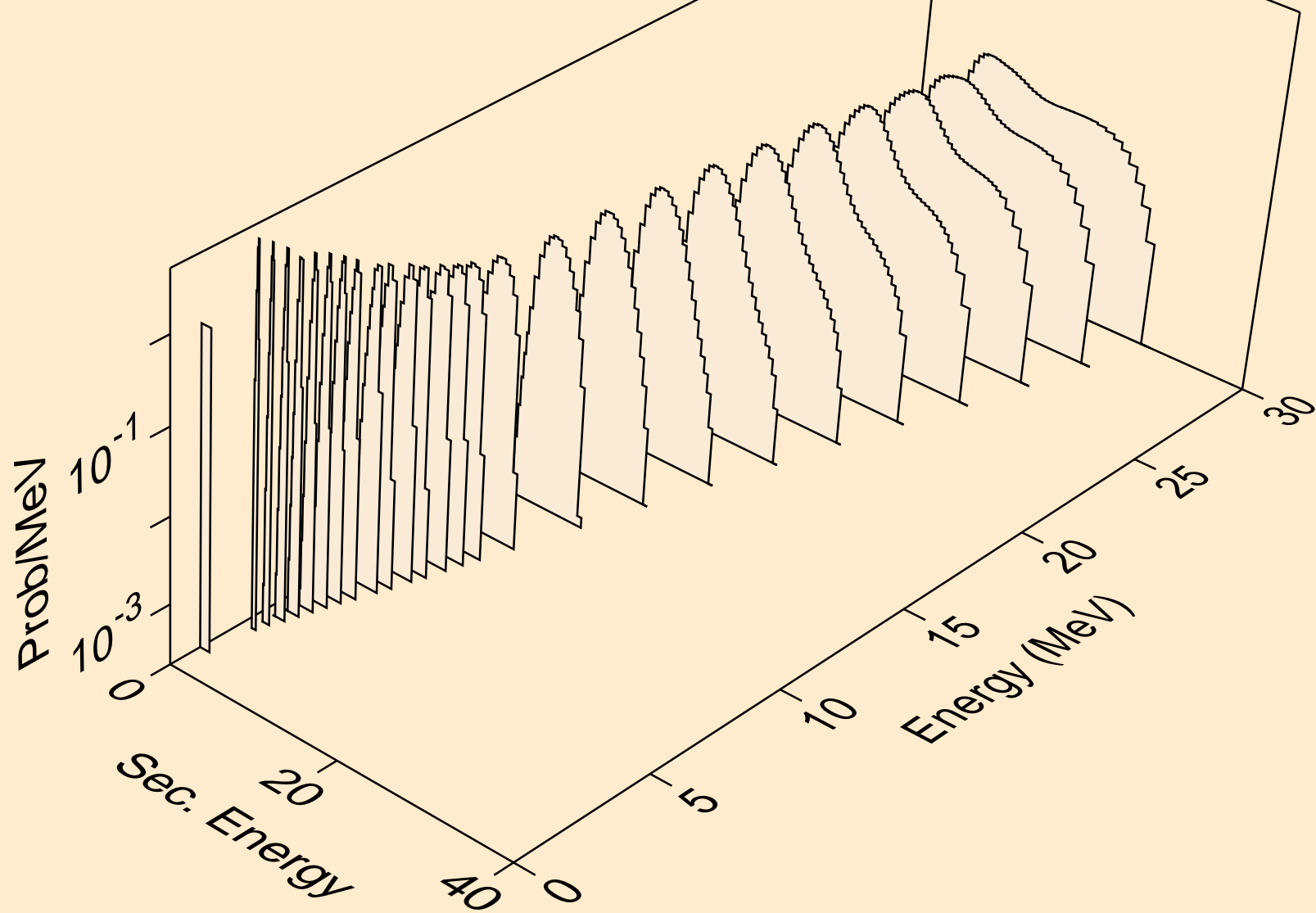
## Particle production cross sections



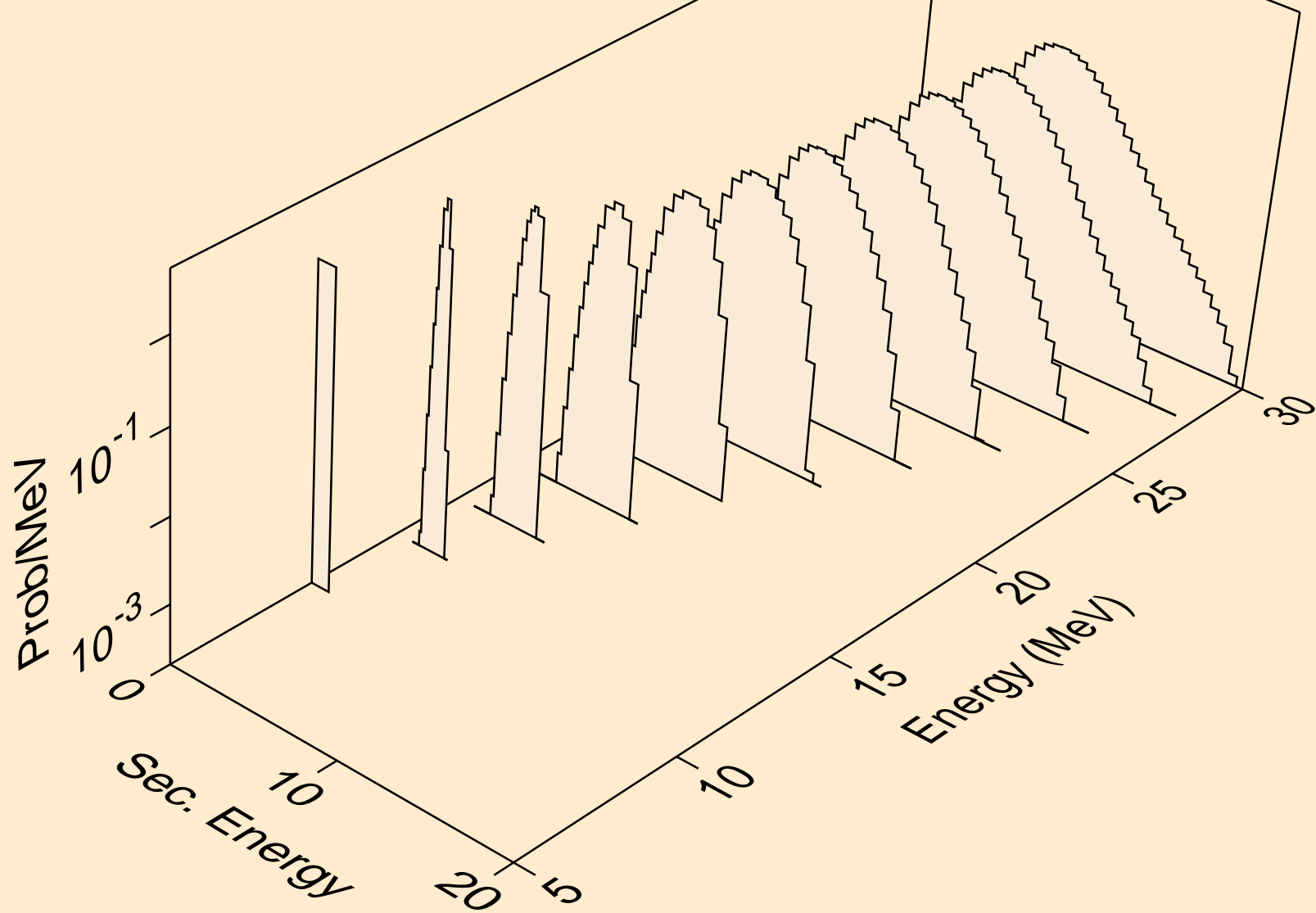
IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,x)



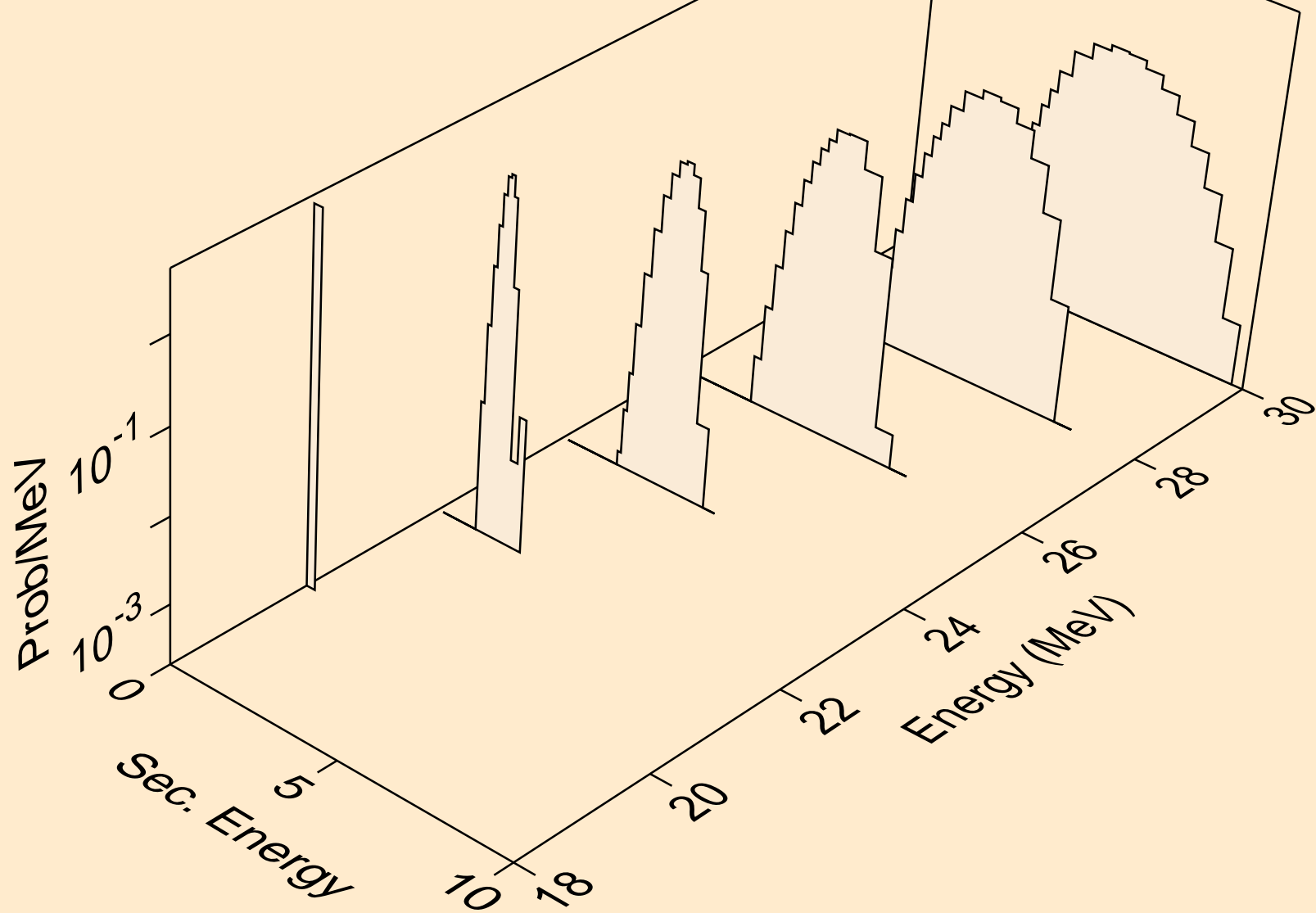
IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,n\*)p



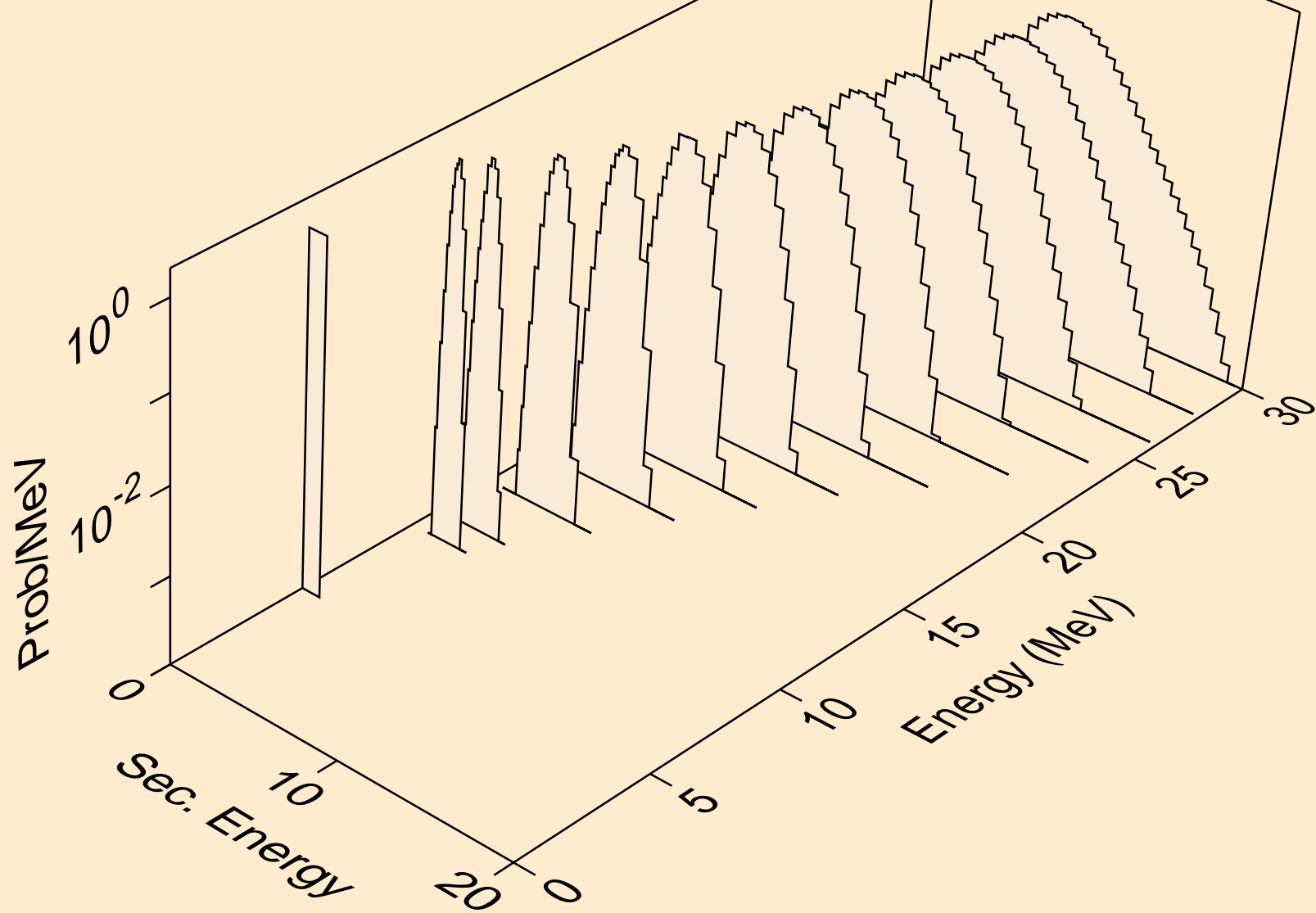
IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,2np)



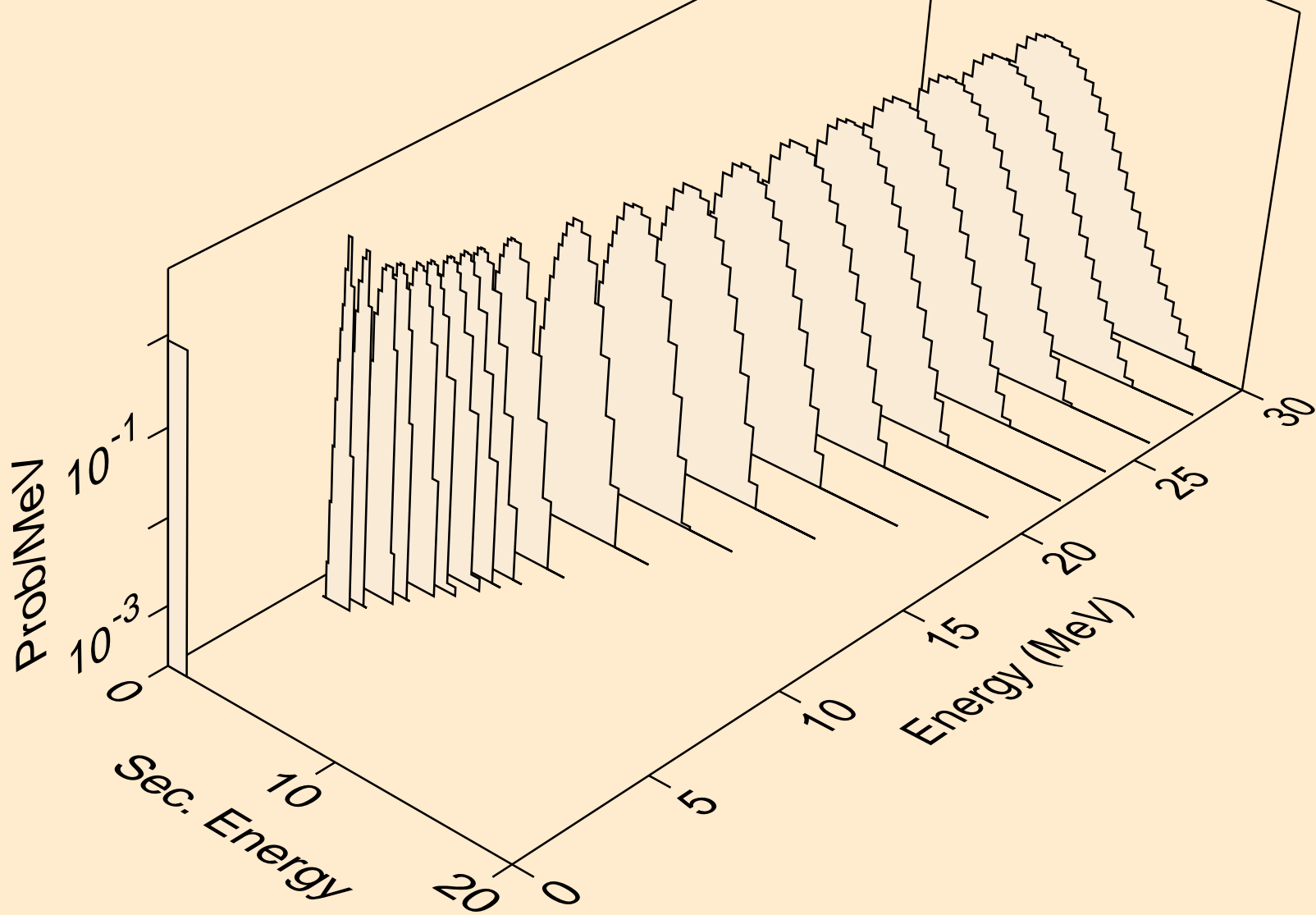
IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,3np)



IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,n2p)

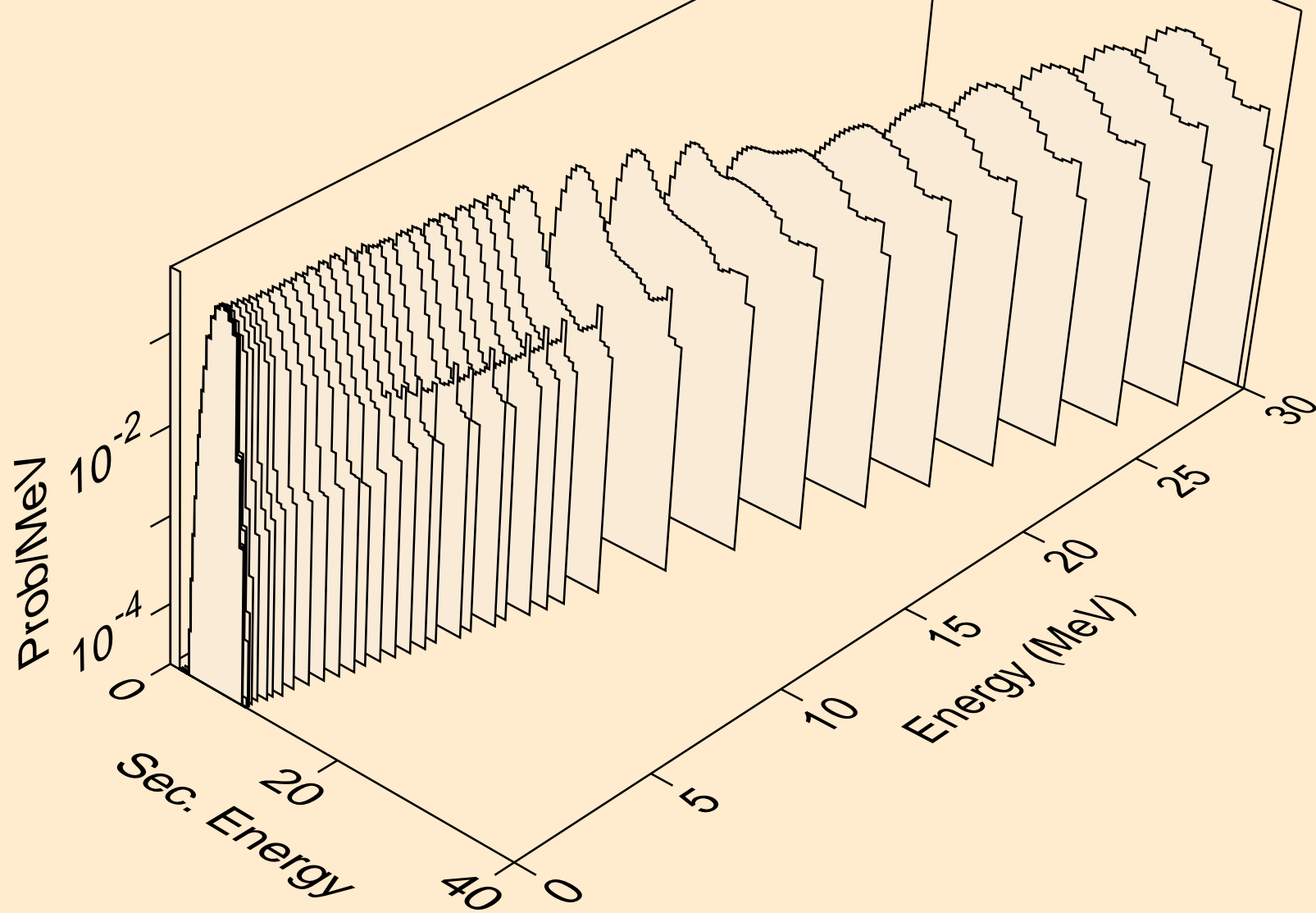


IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,npa)

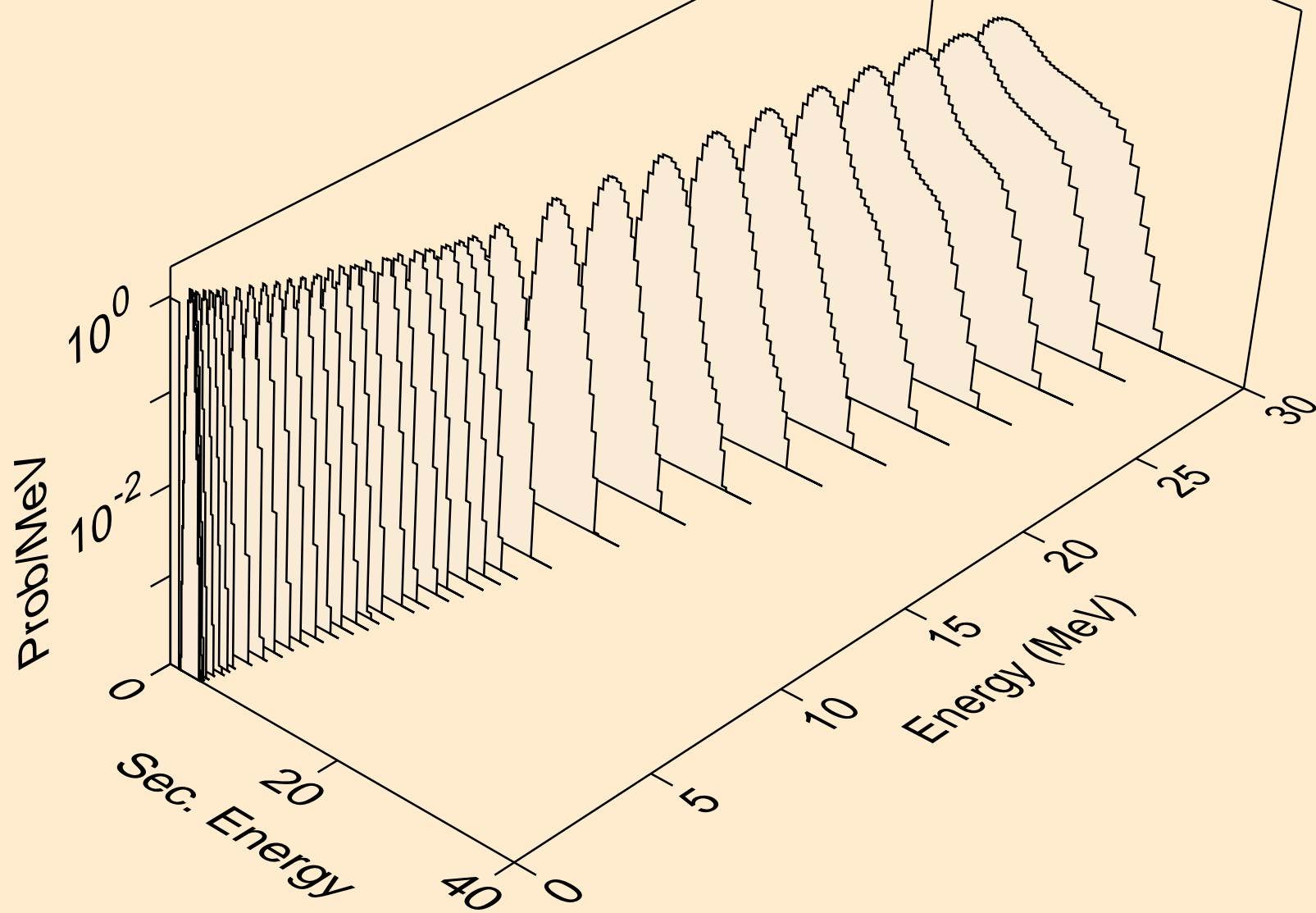




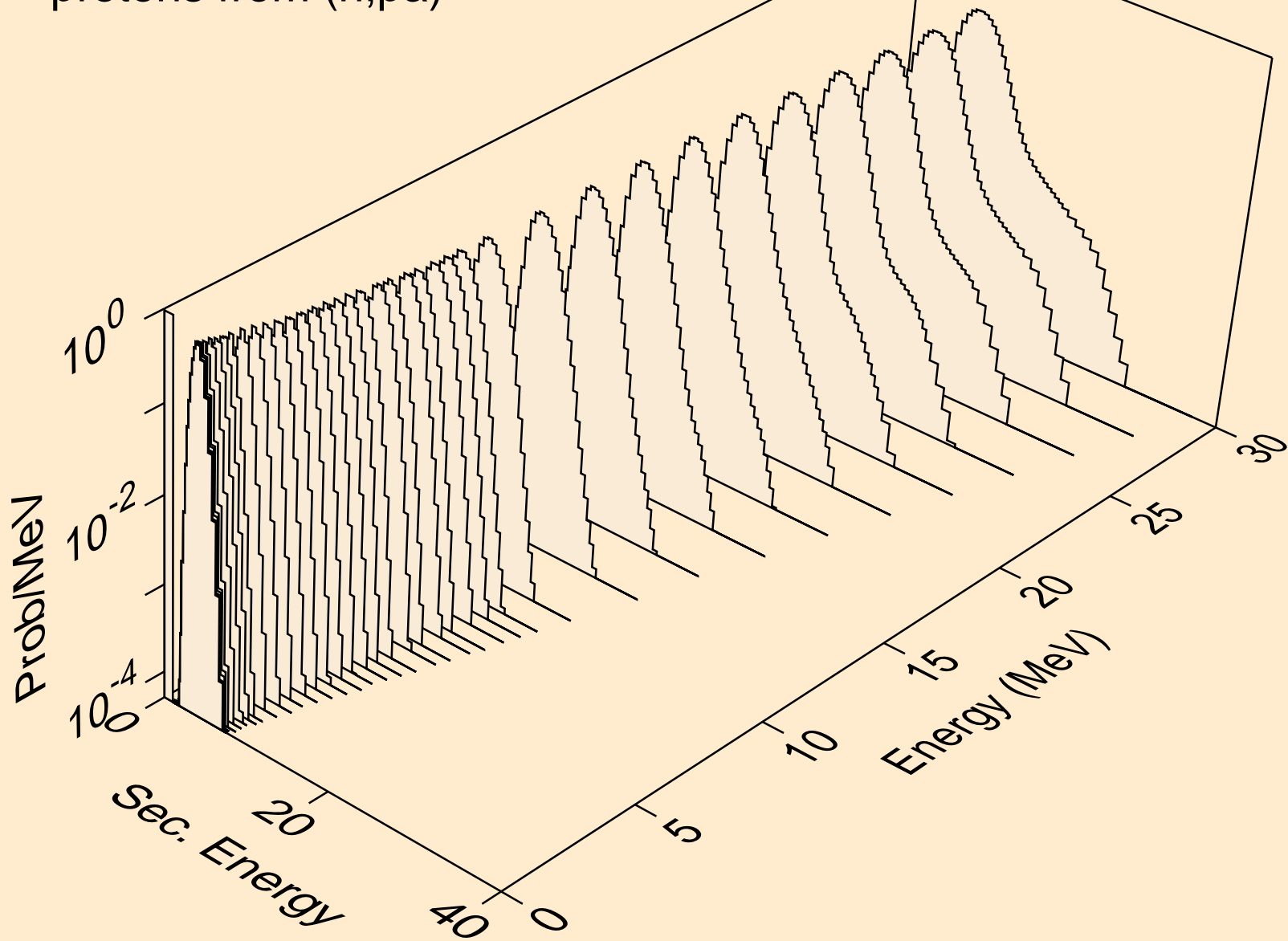
IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,p)



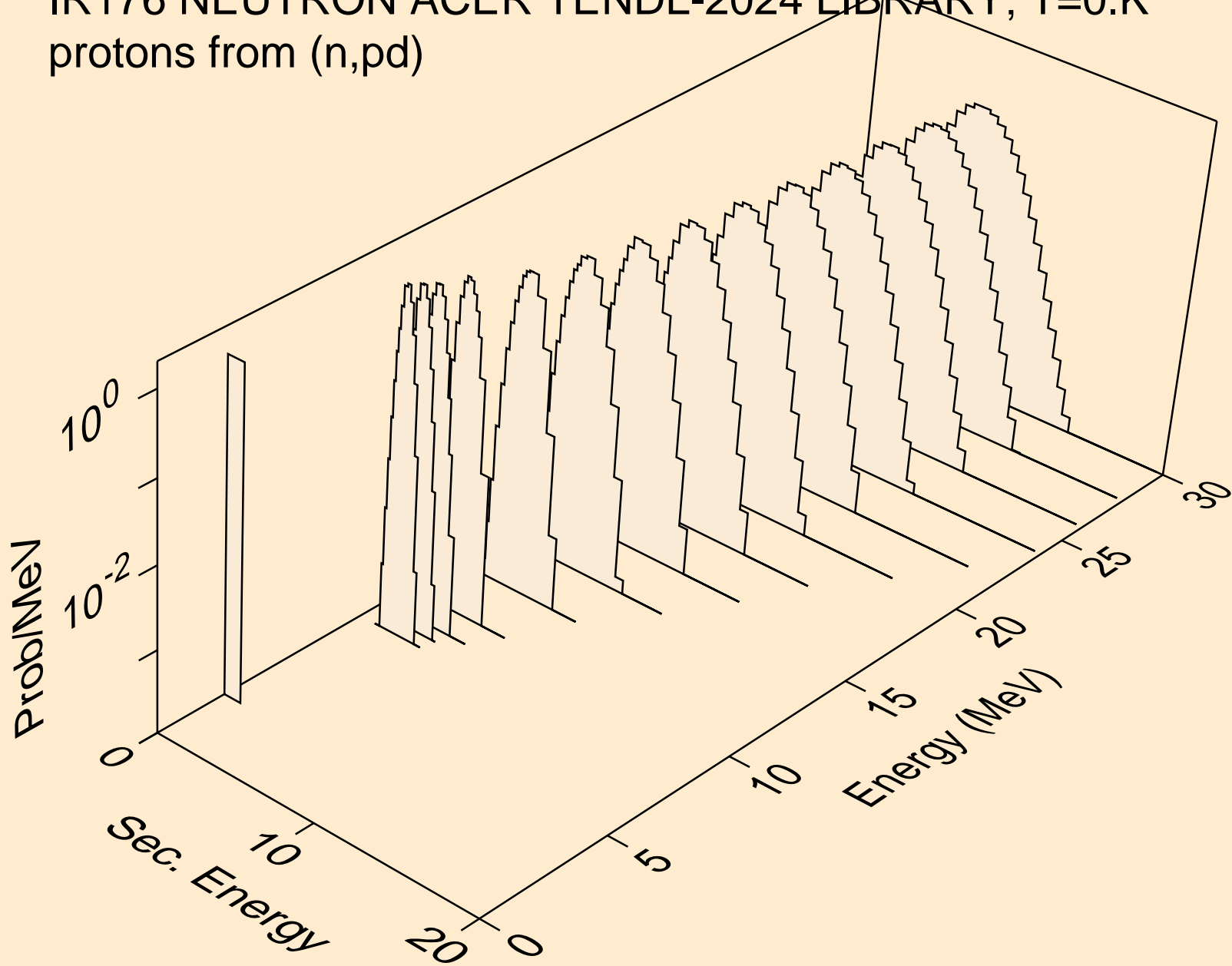
IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,2p)



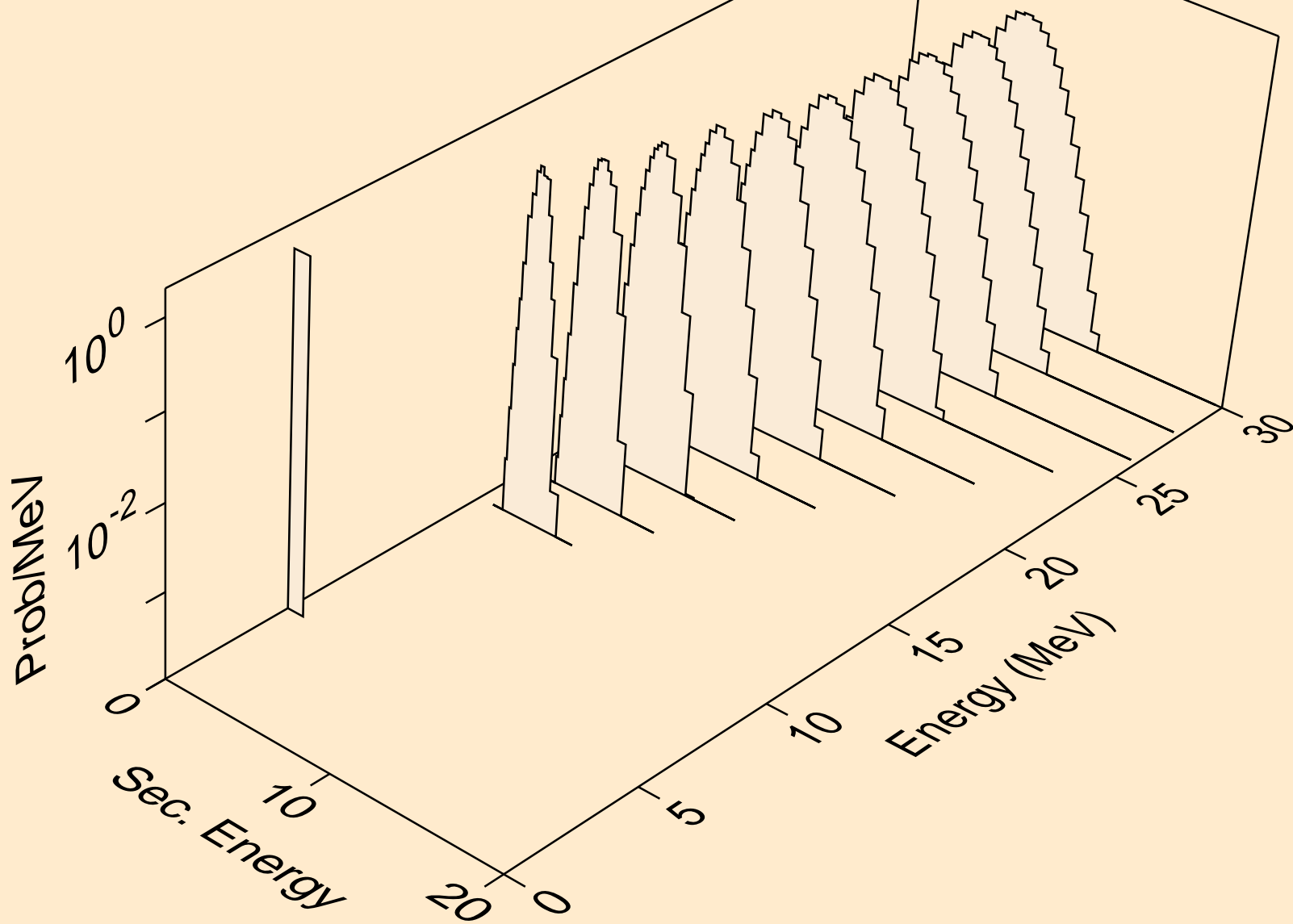
IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,p)



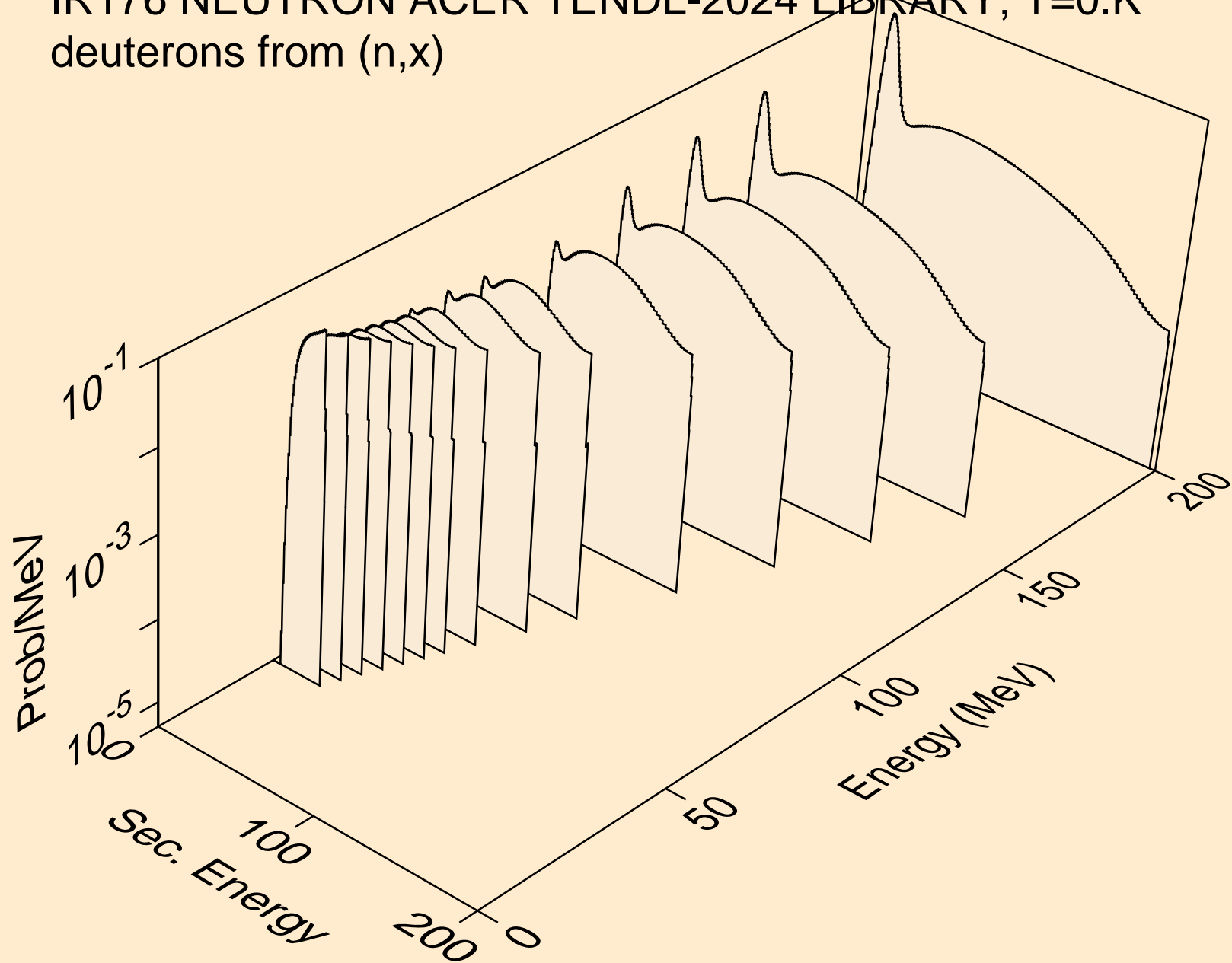
IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,pd)



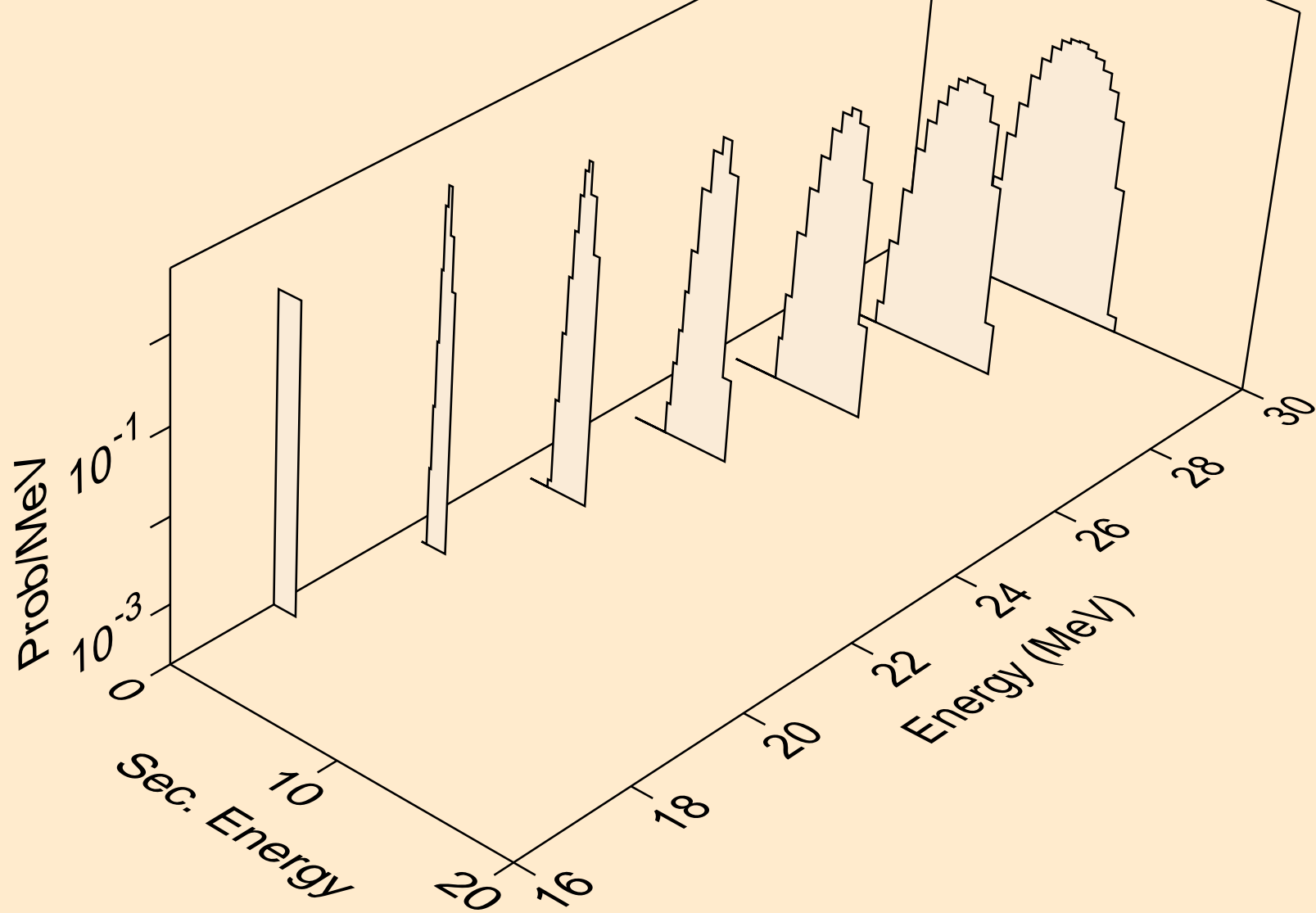
IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,pt)



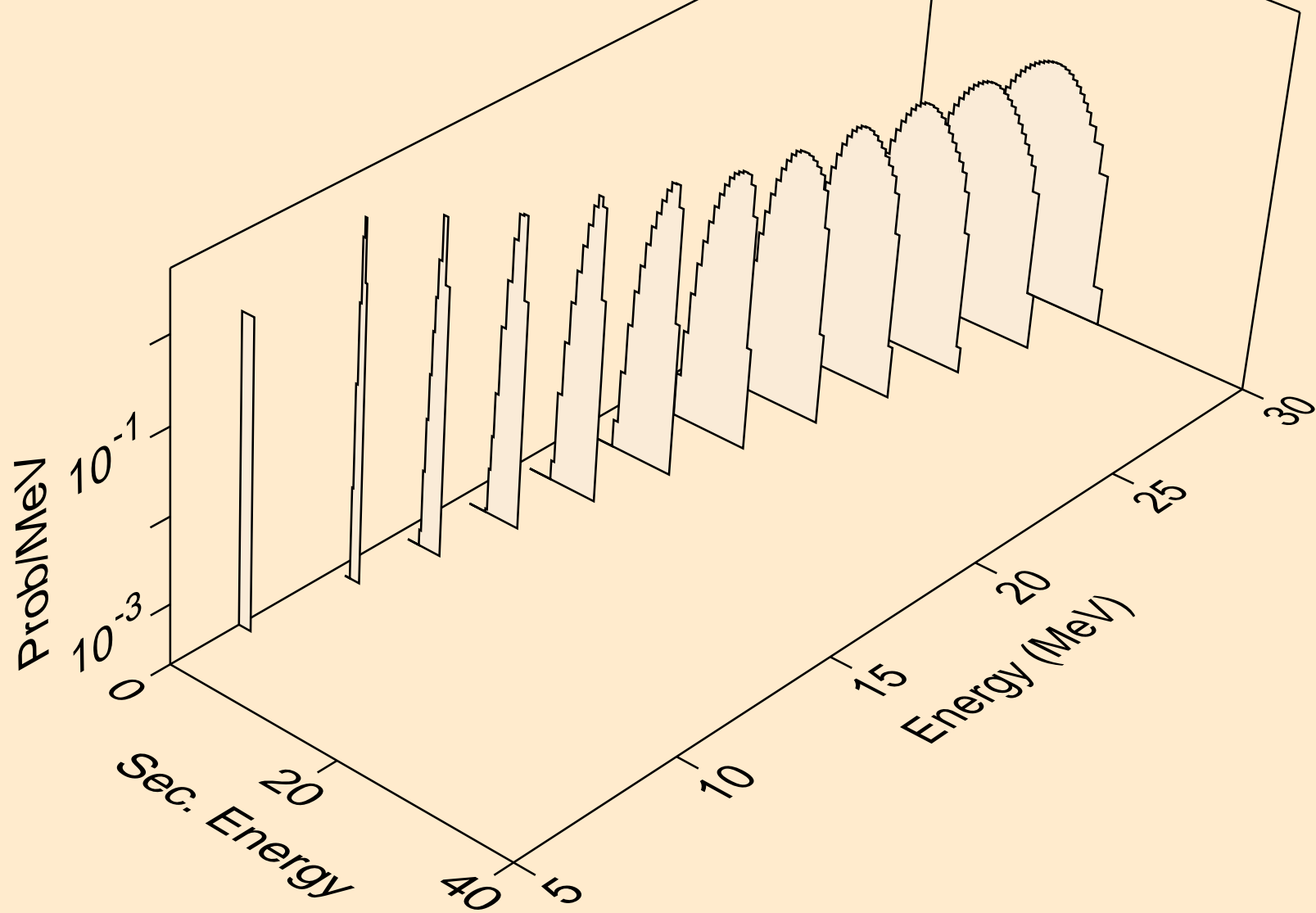
IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,x)



IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,2nd)

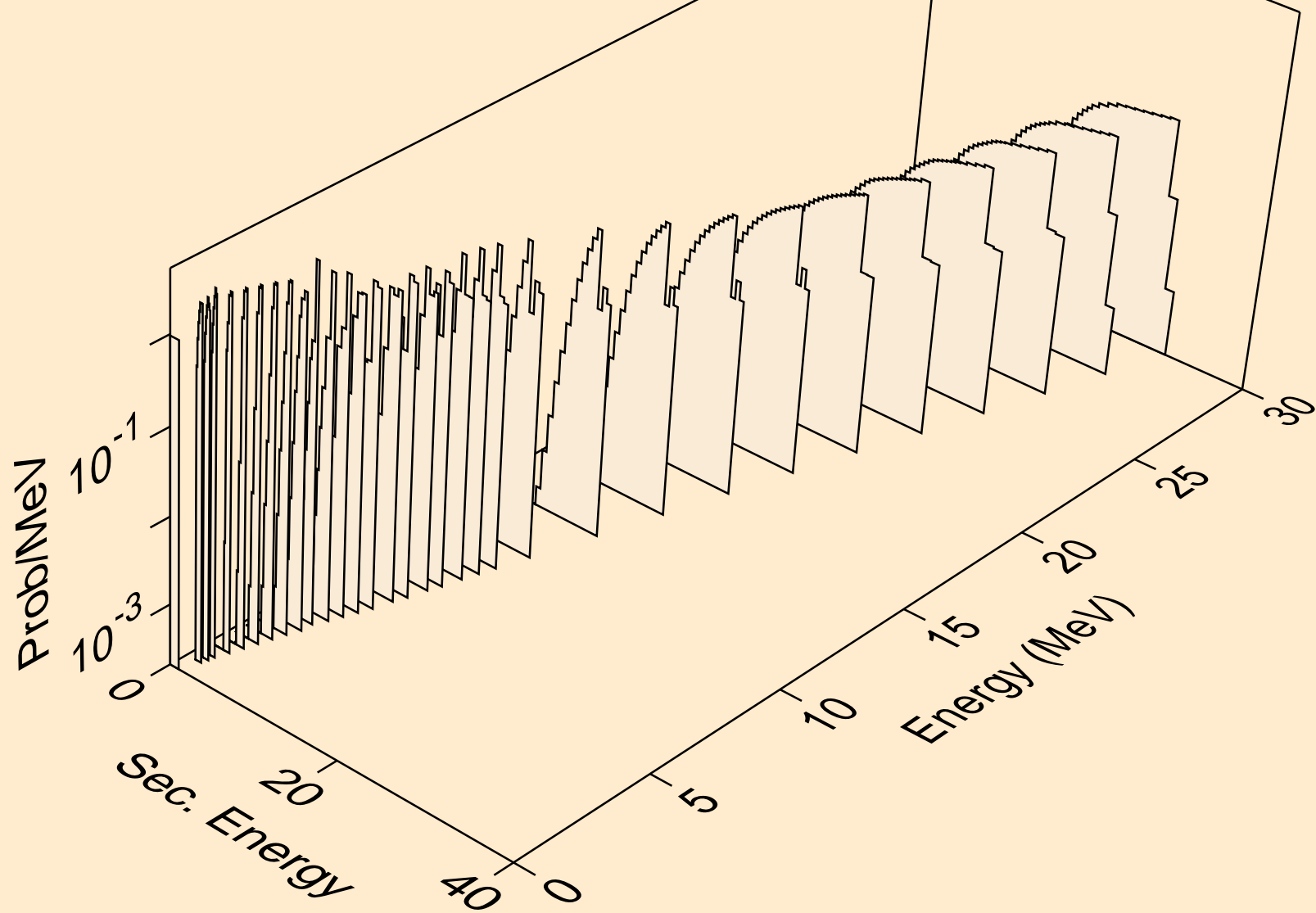


IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,n\*)d

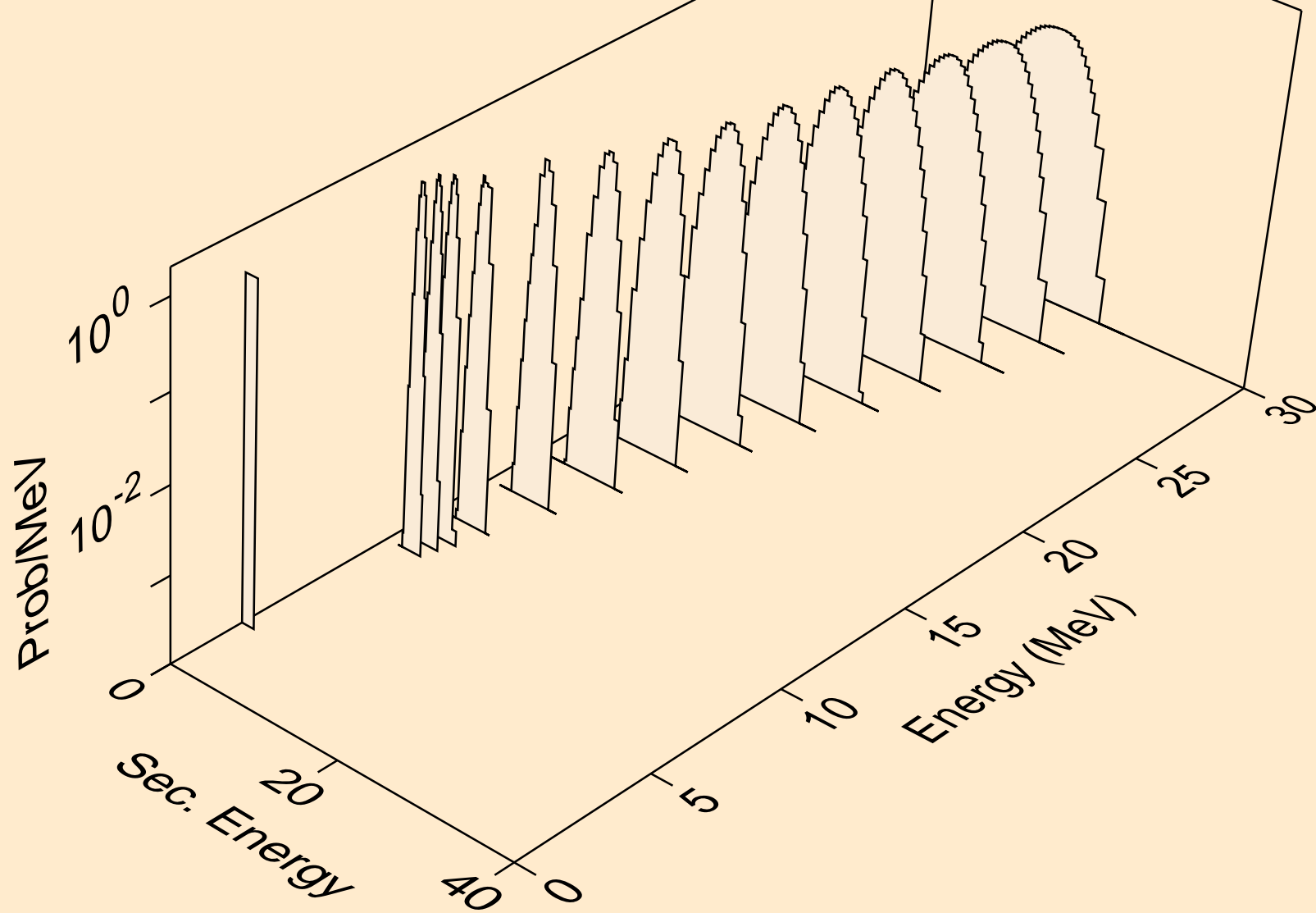




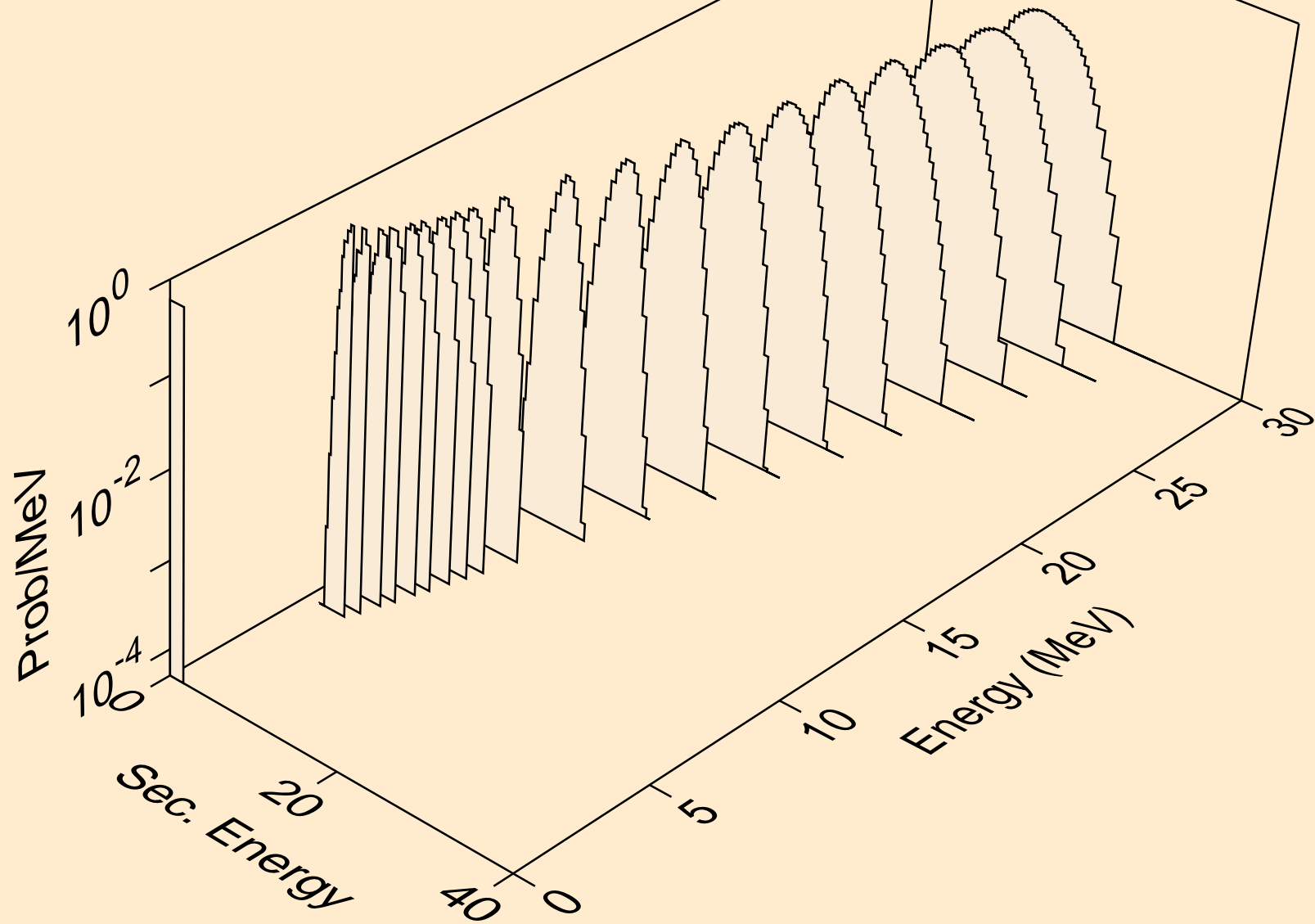
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deuterons from (n,d)



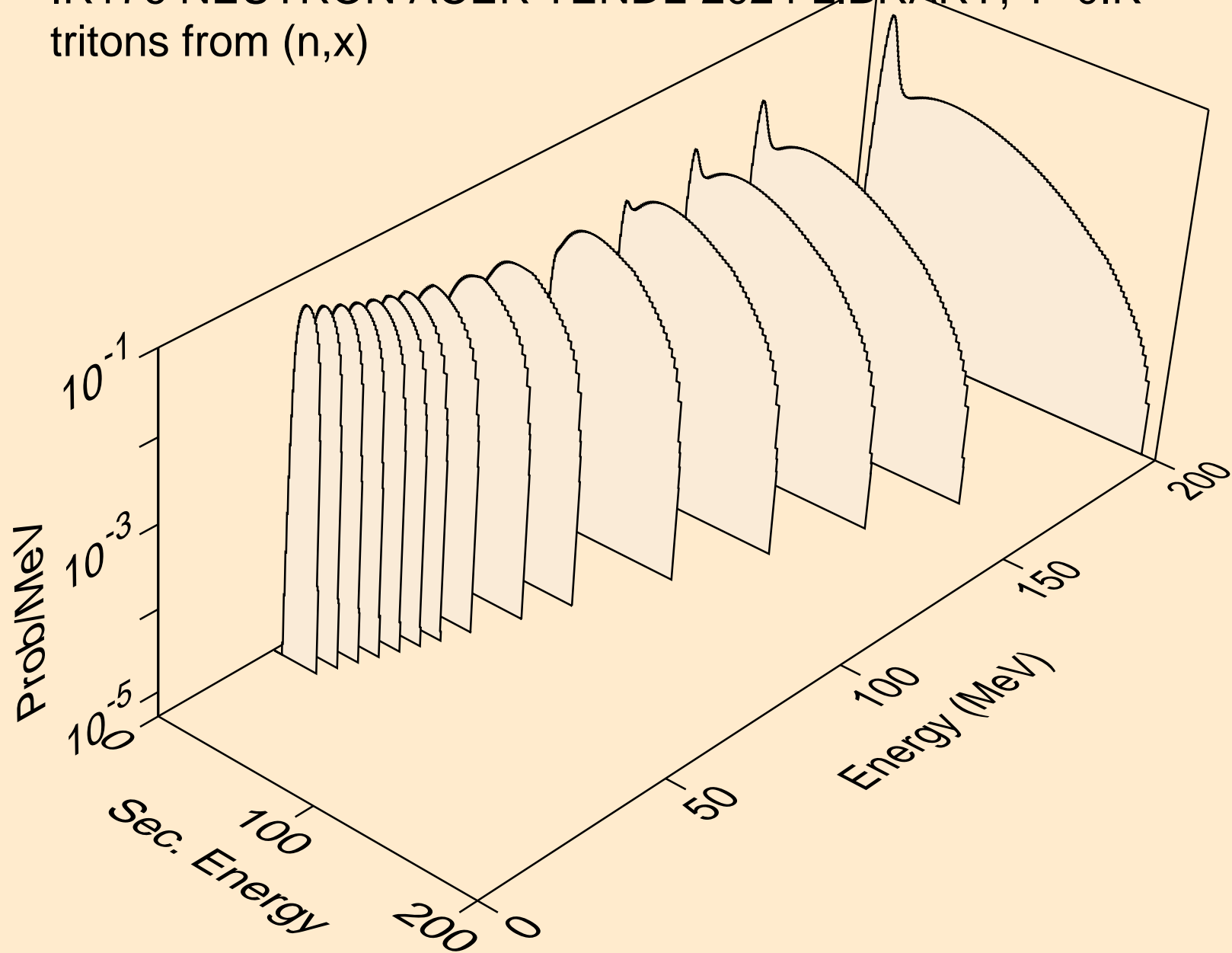
IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,pd)



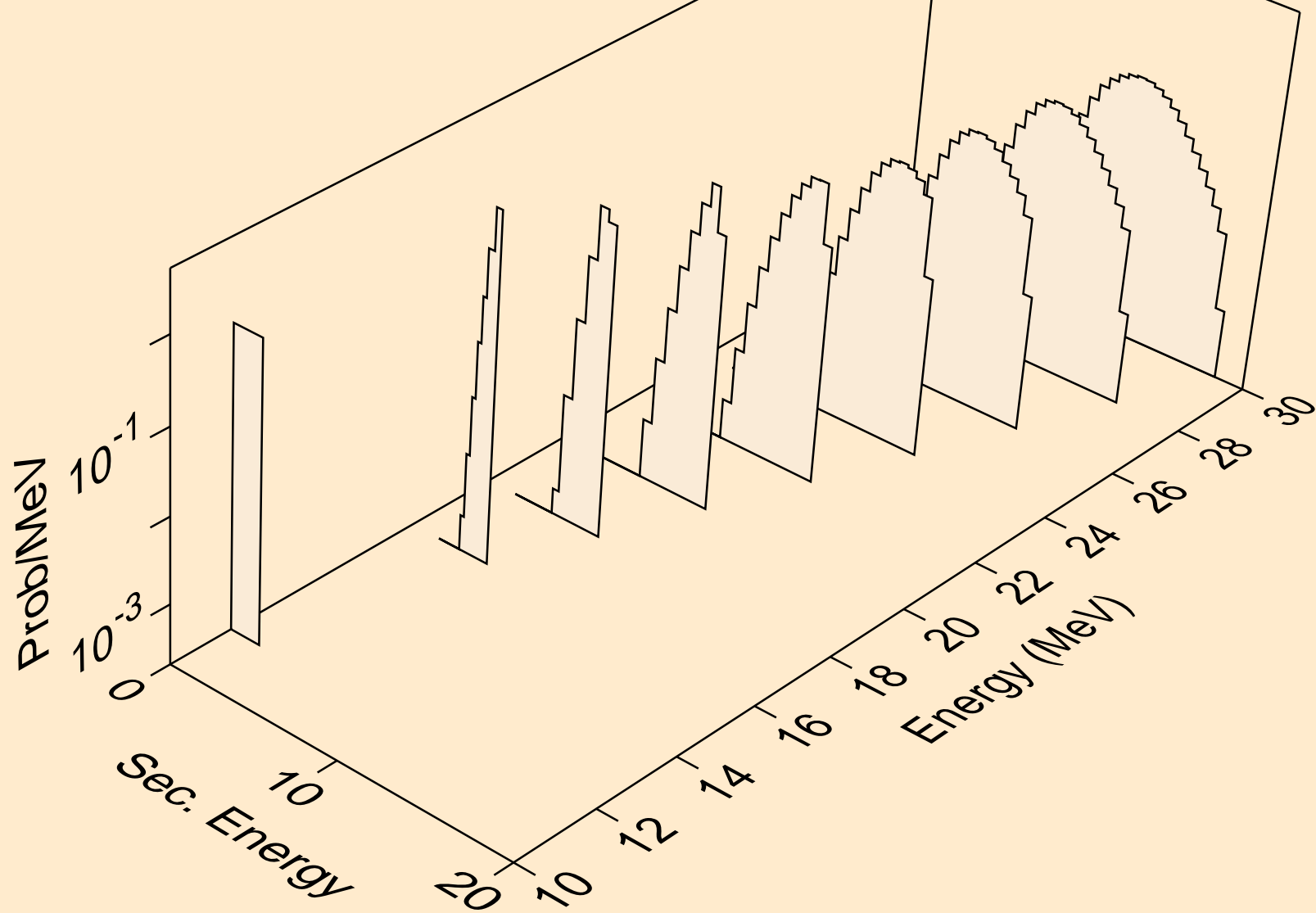
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deuterons from (n,da)



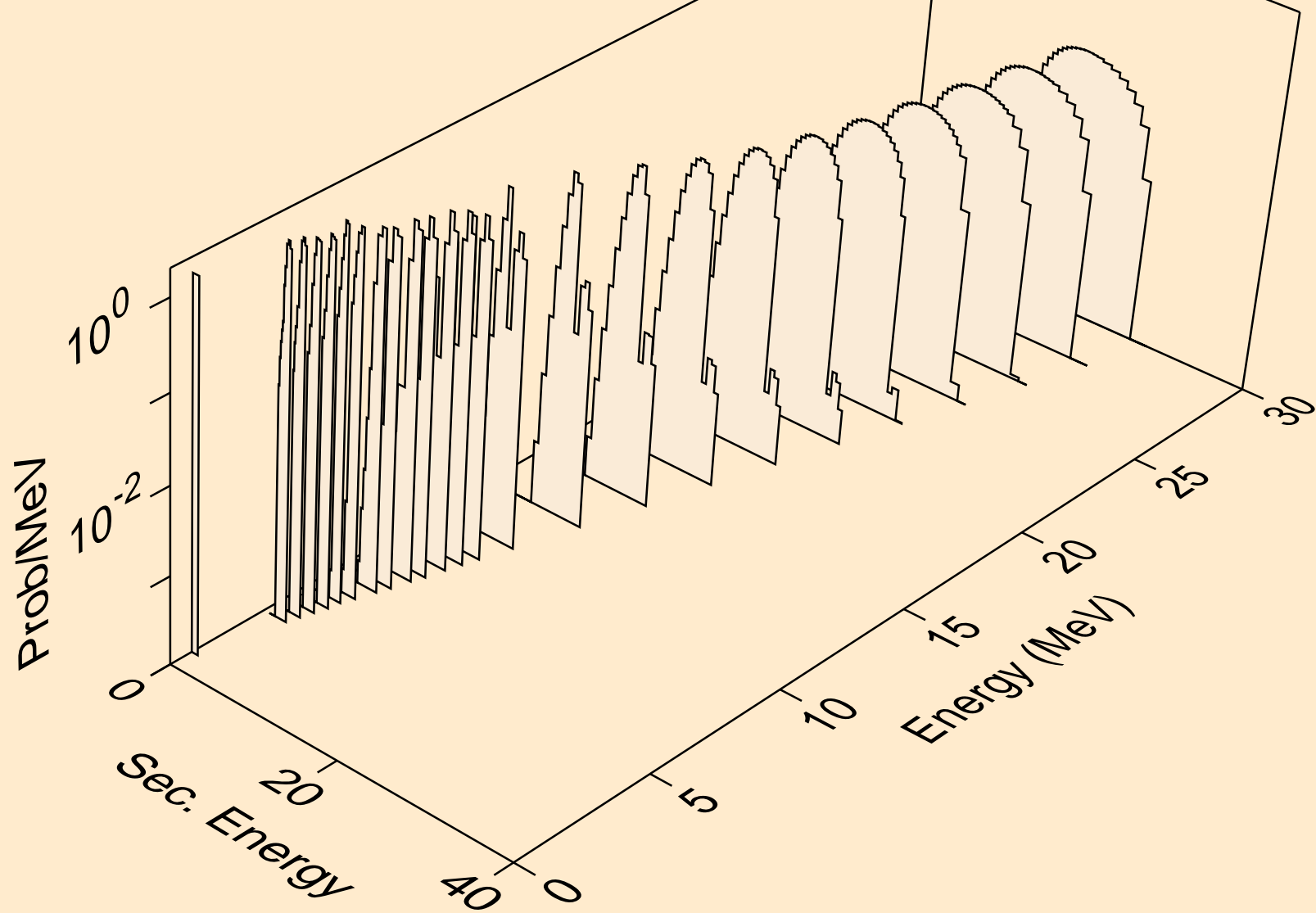
IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,x)



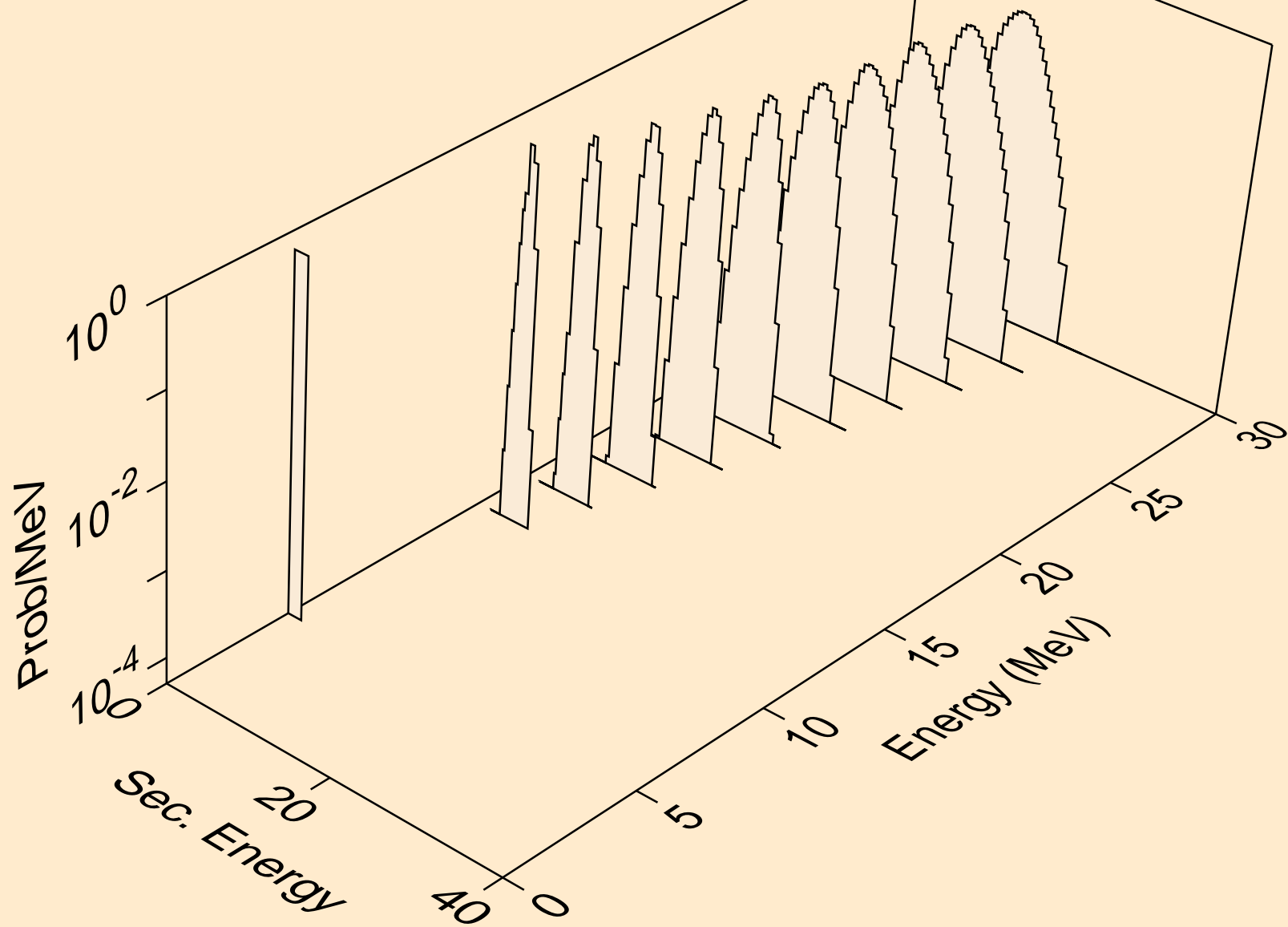
IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,n\*)t



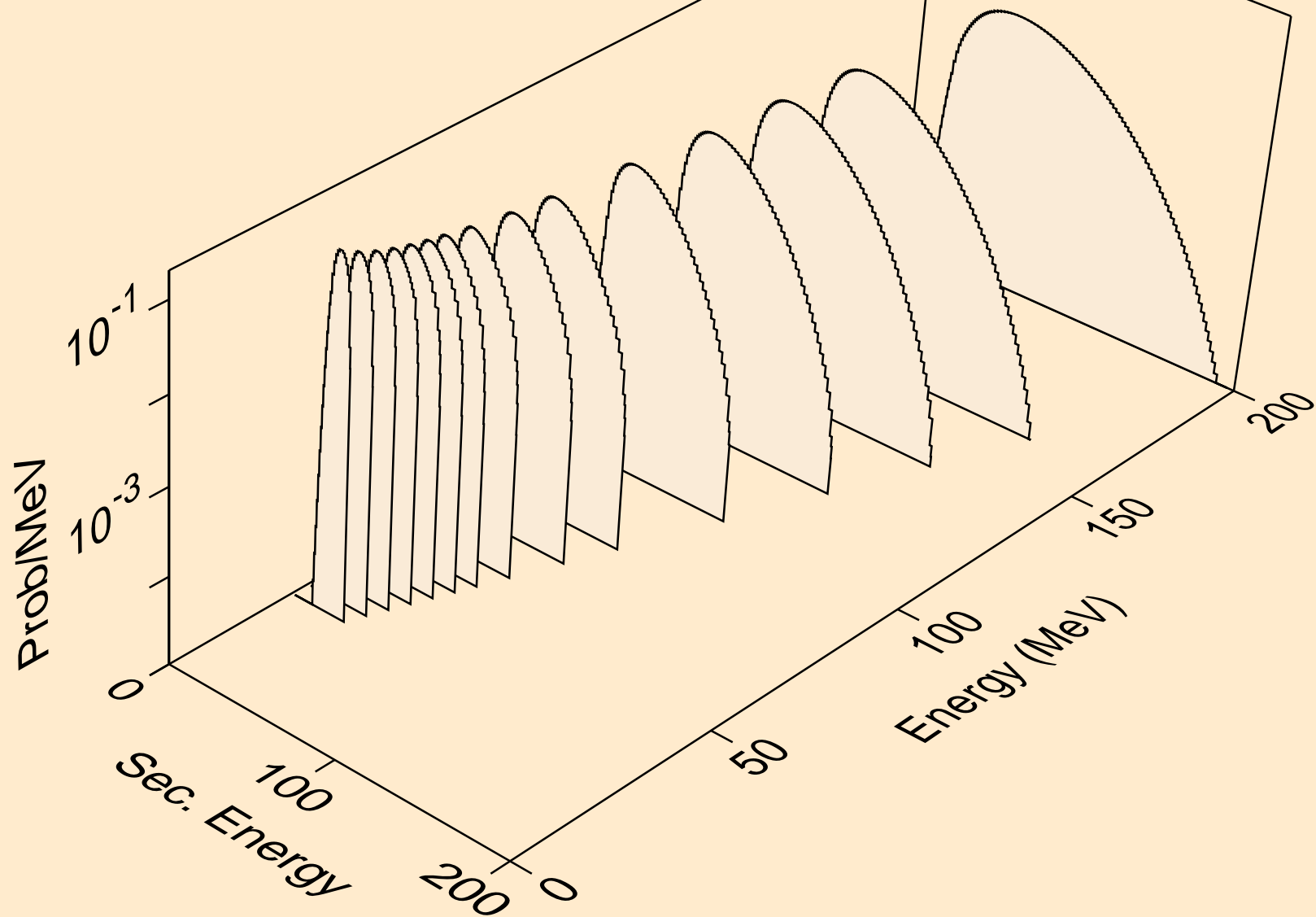
IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,t)



IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,pt)

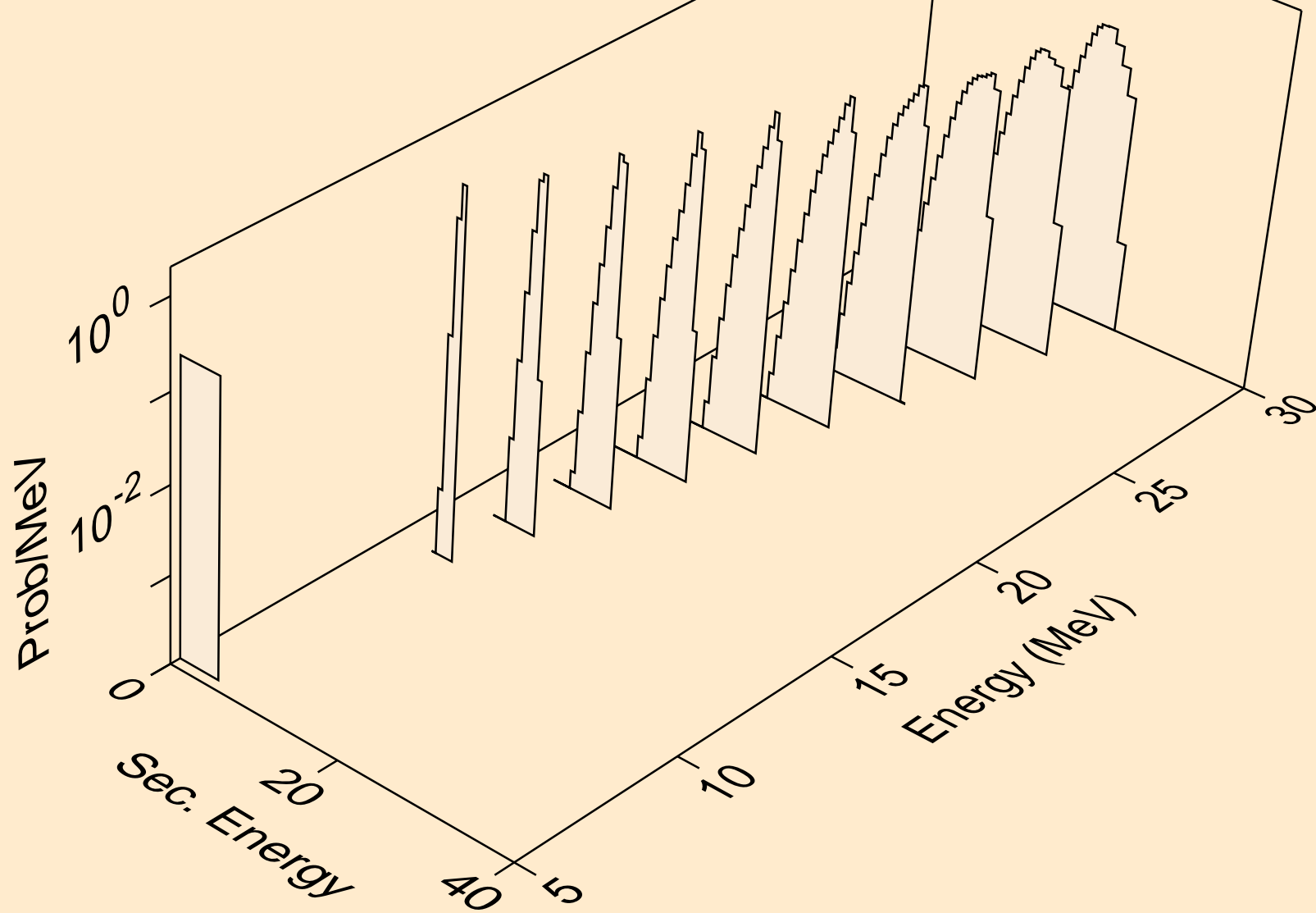


IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,x)

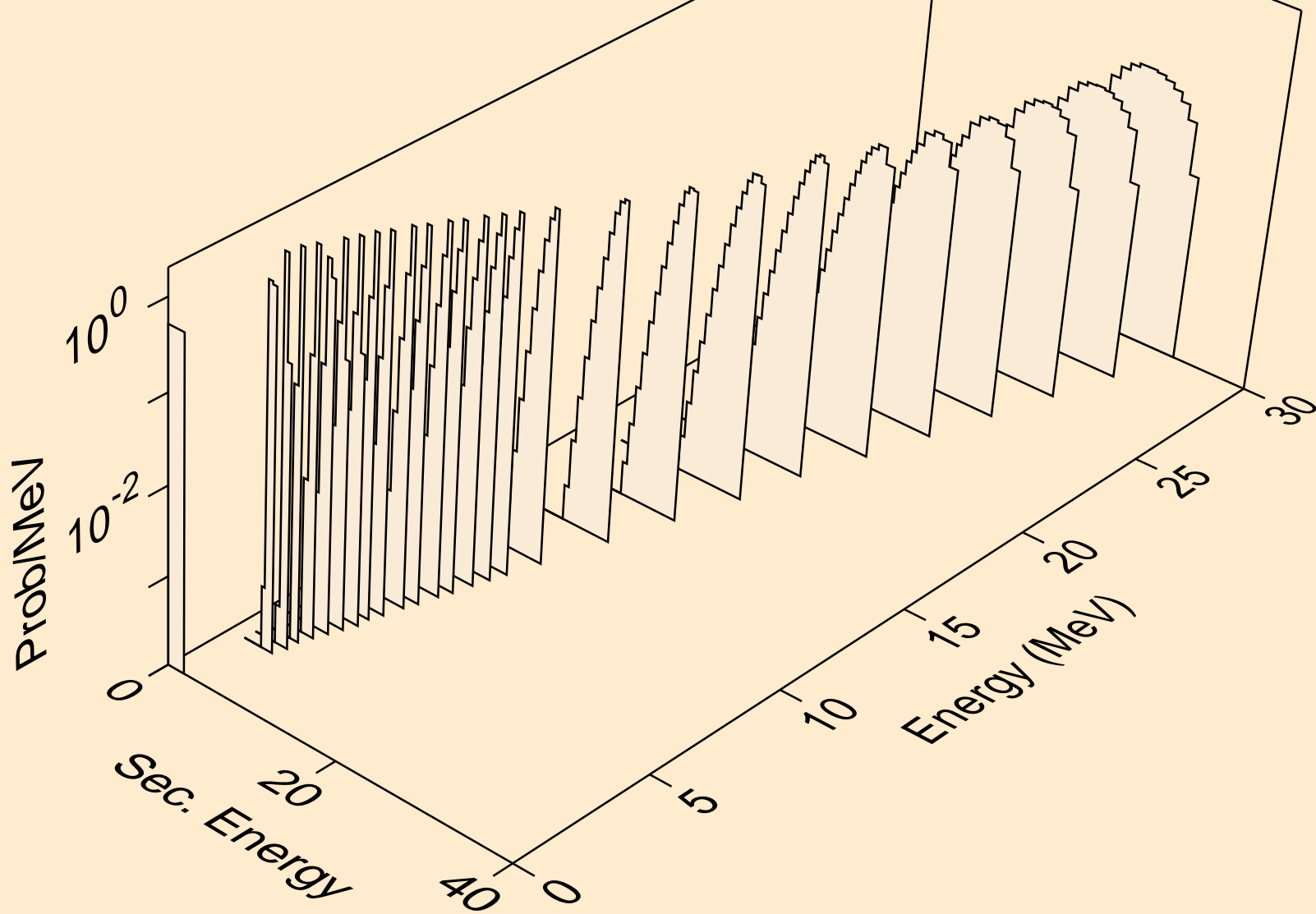




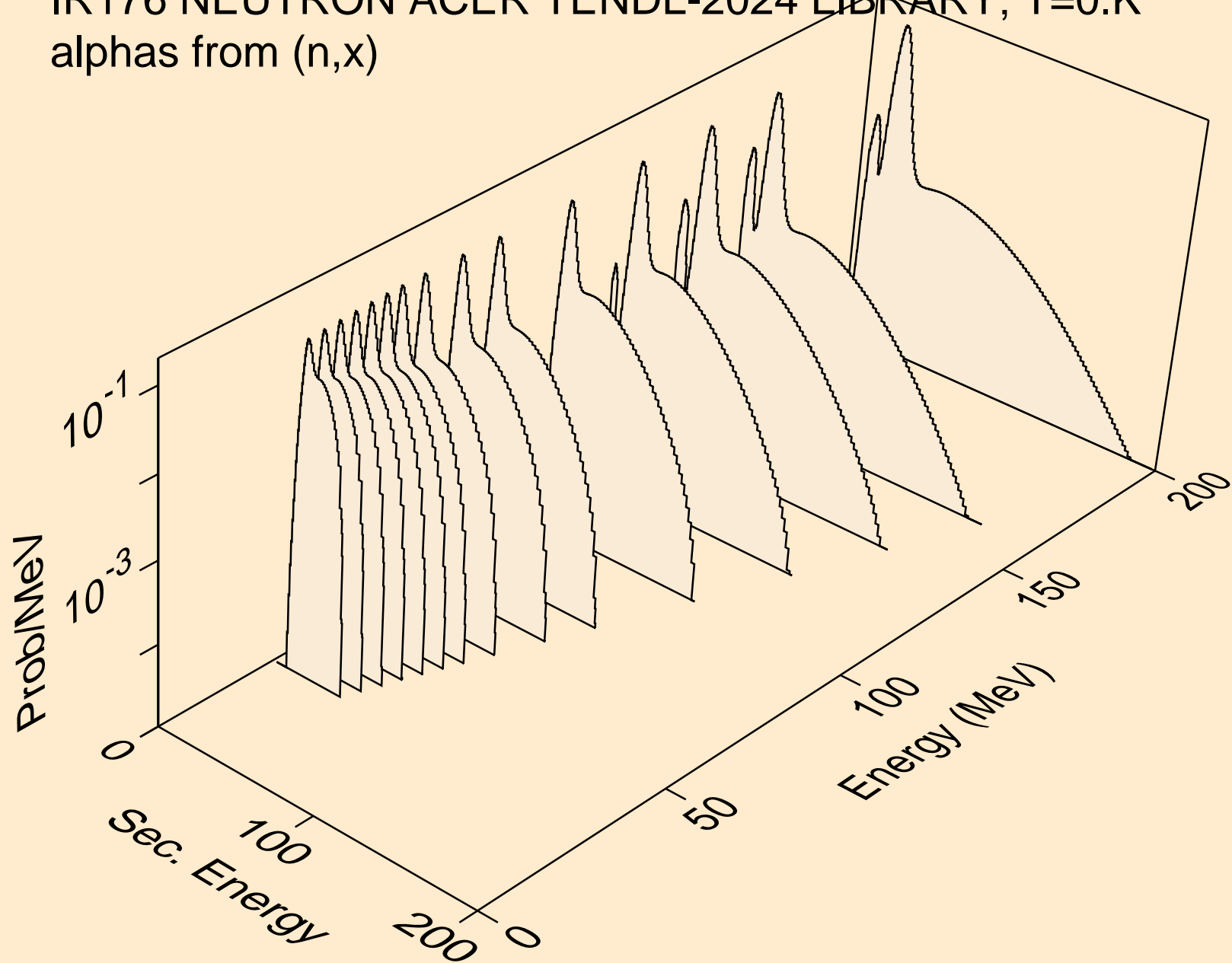
IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,n\*)he3



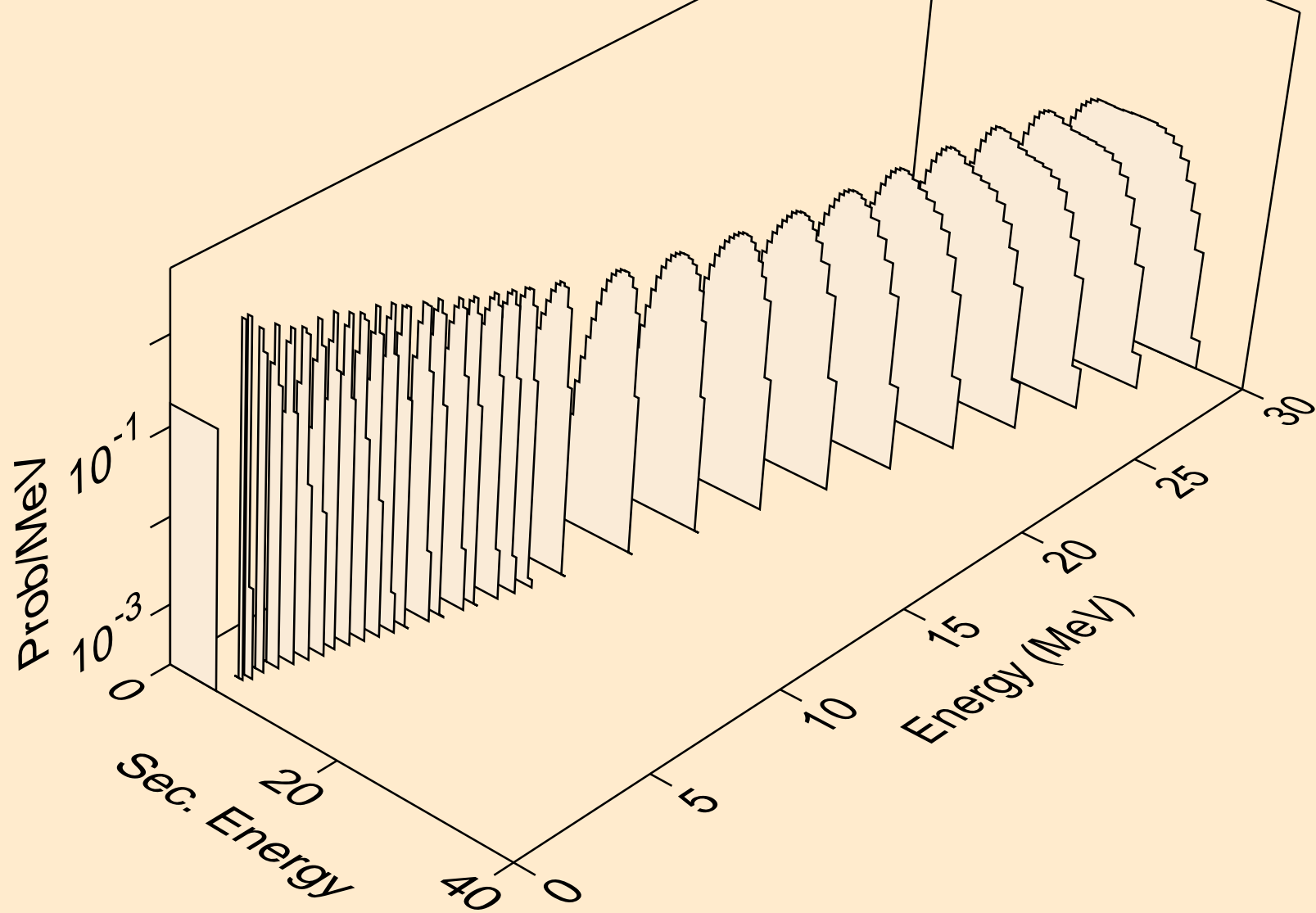
IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,he3)



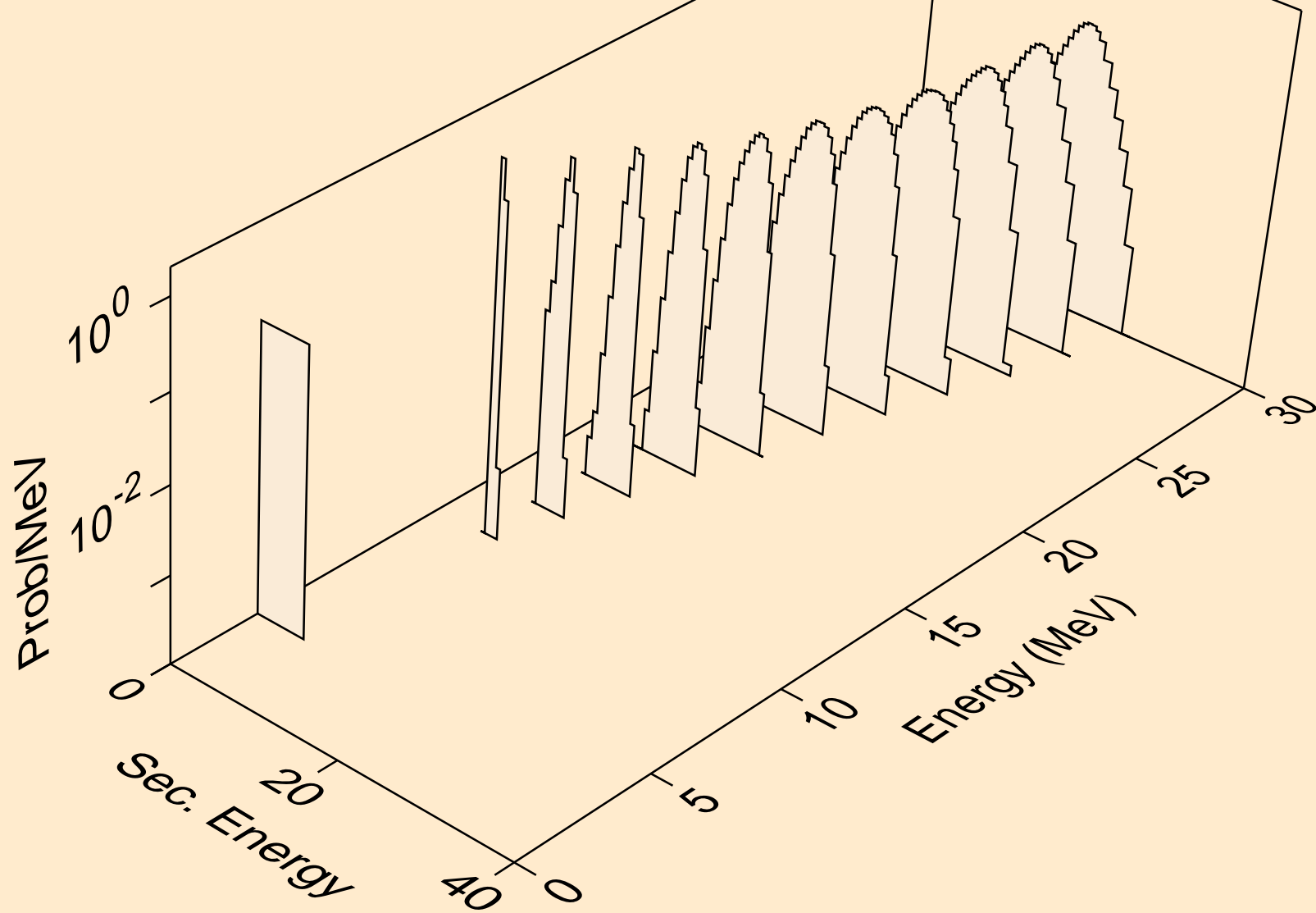
IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,x)



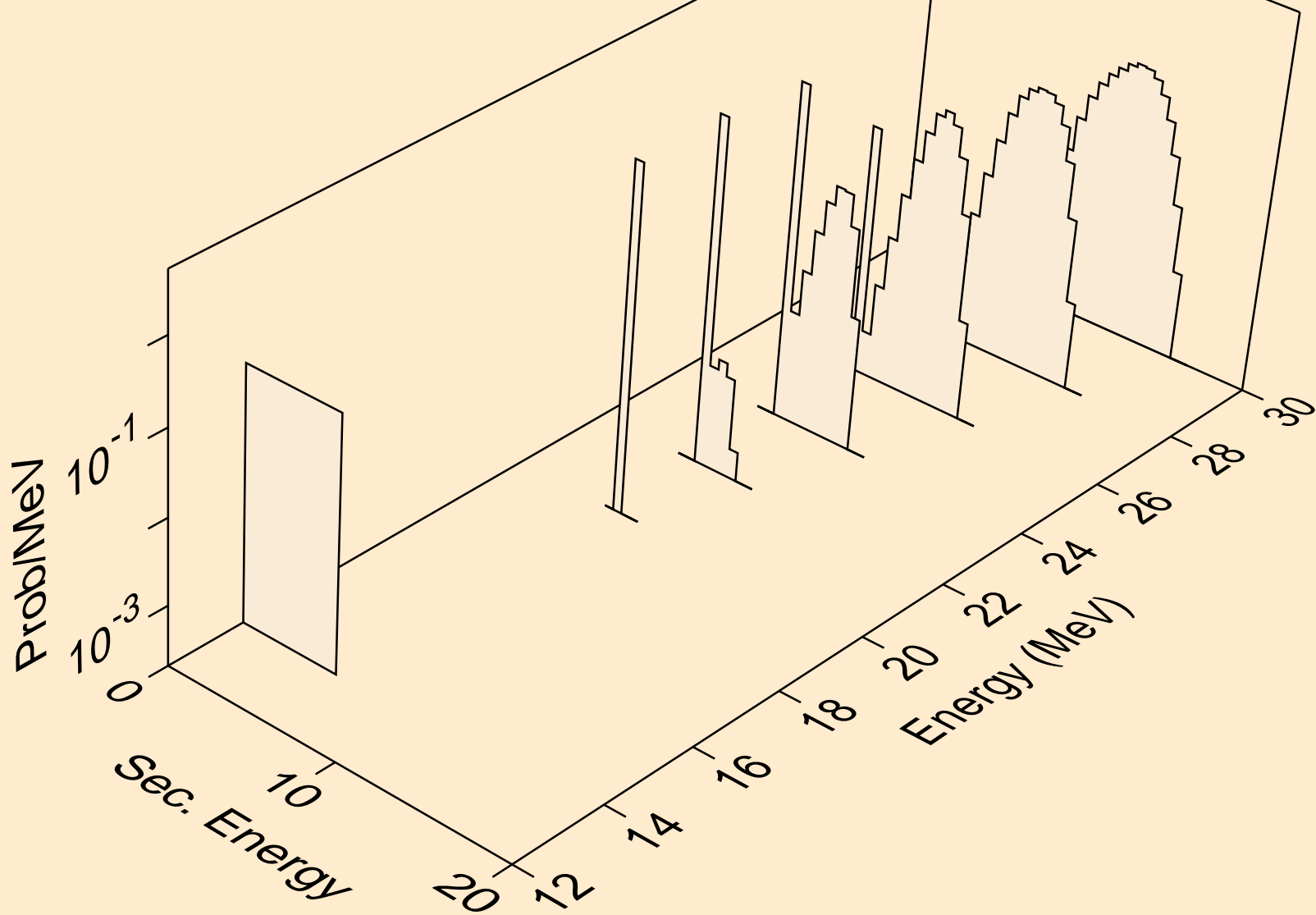
IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)a



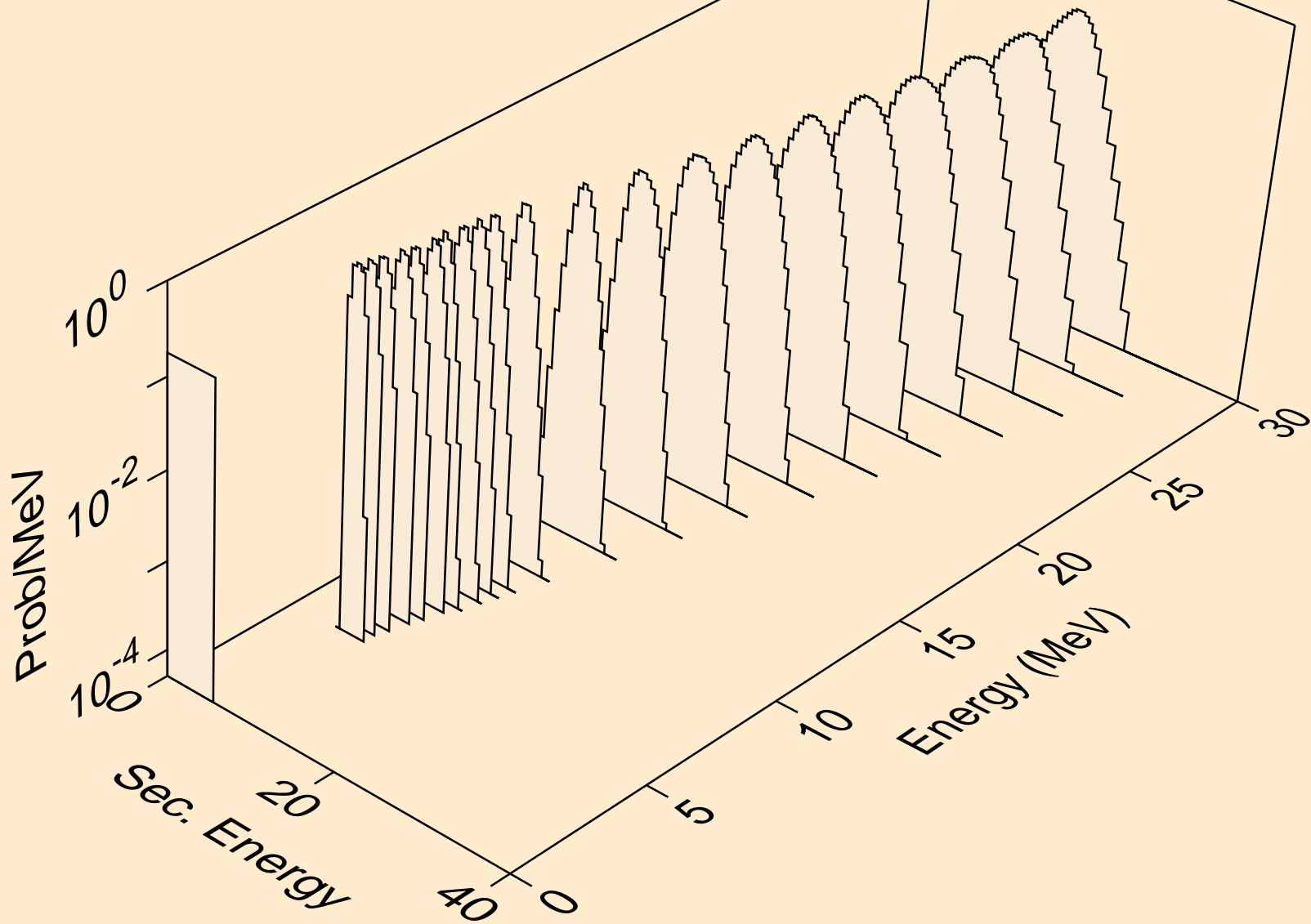
IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2n)a



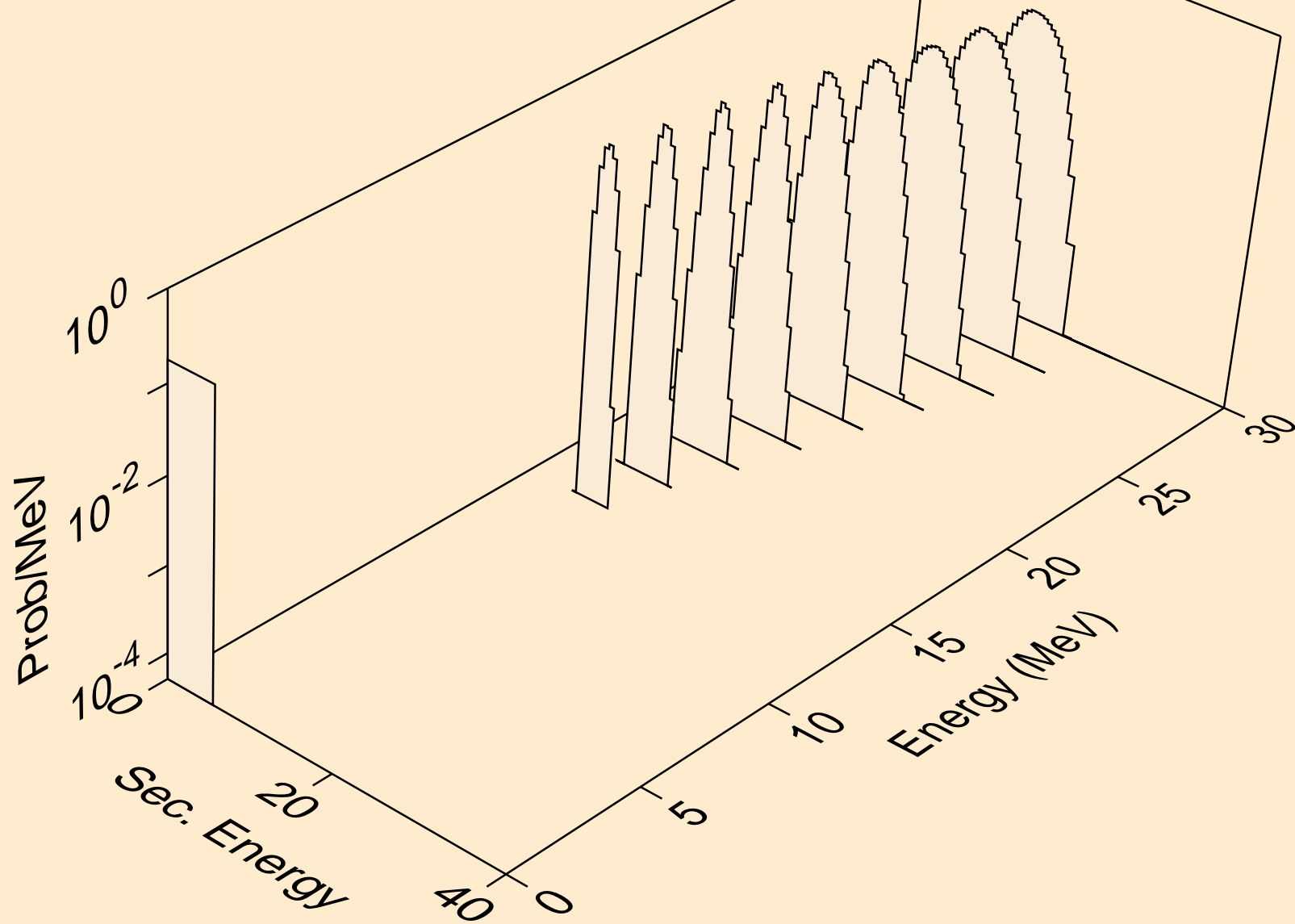
IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,3n)a



IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)2a

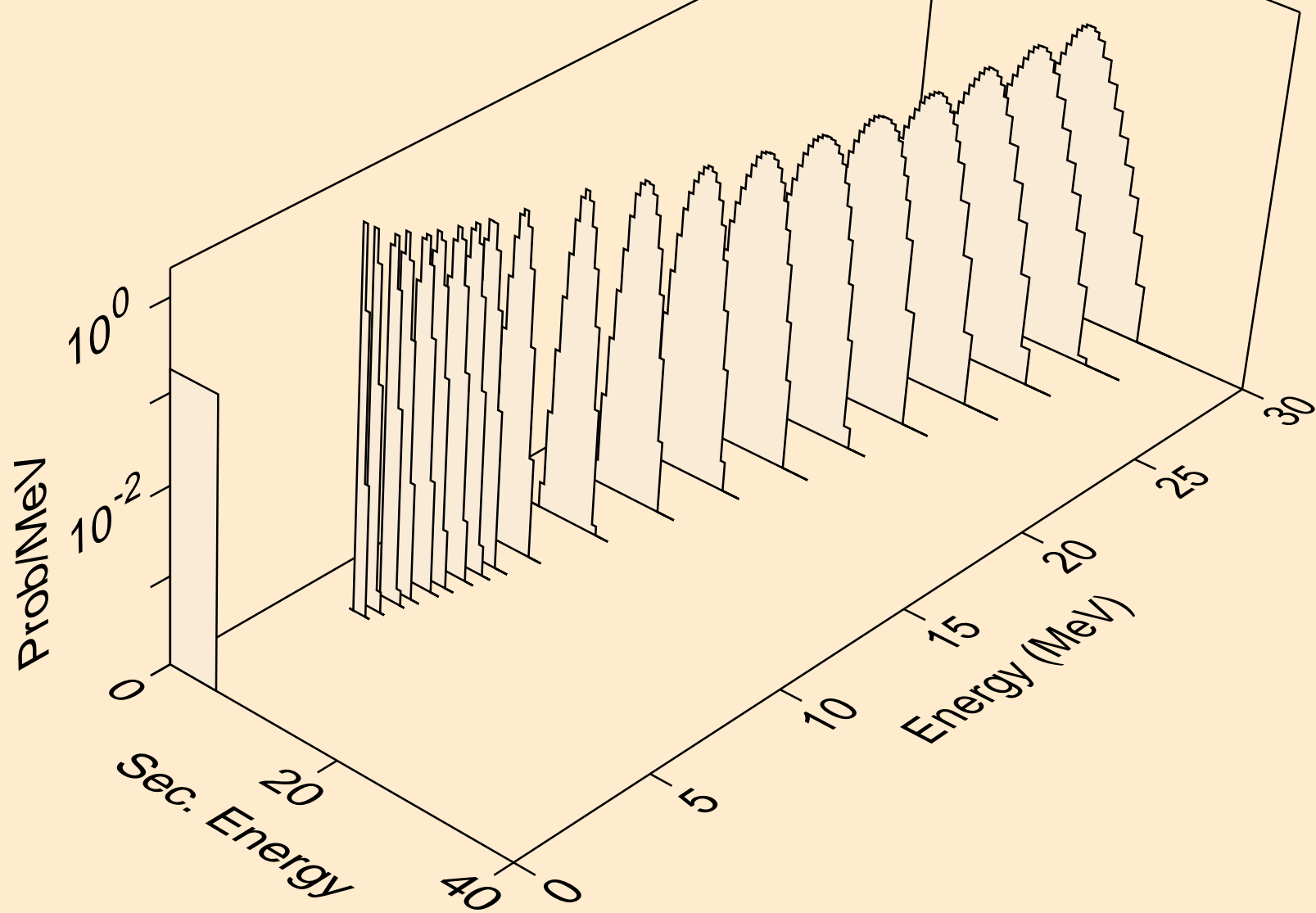


IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2n)2a

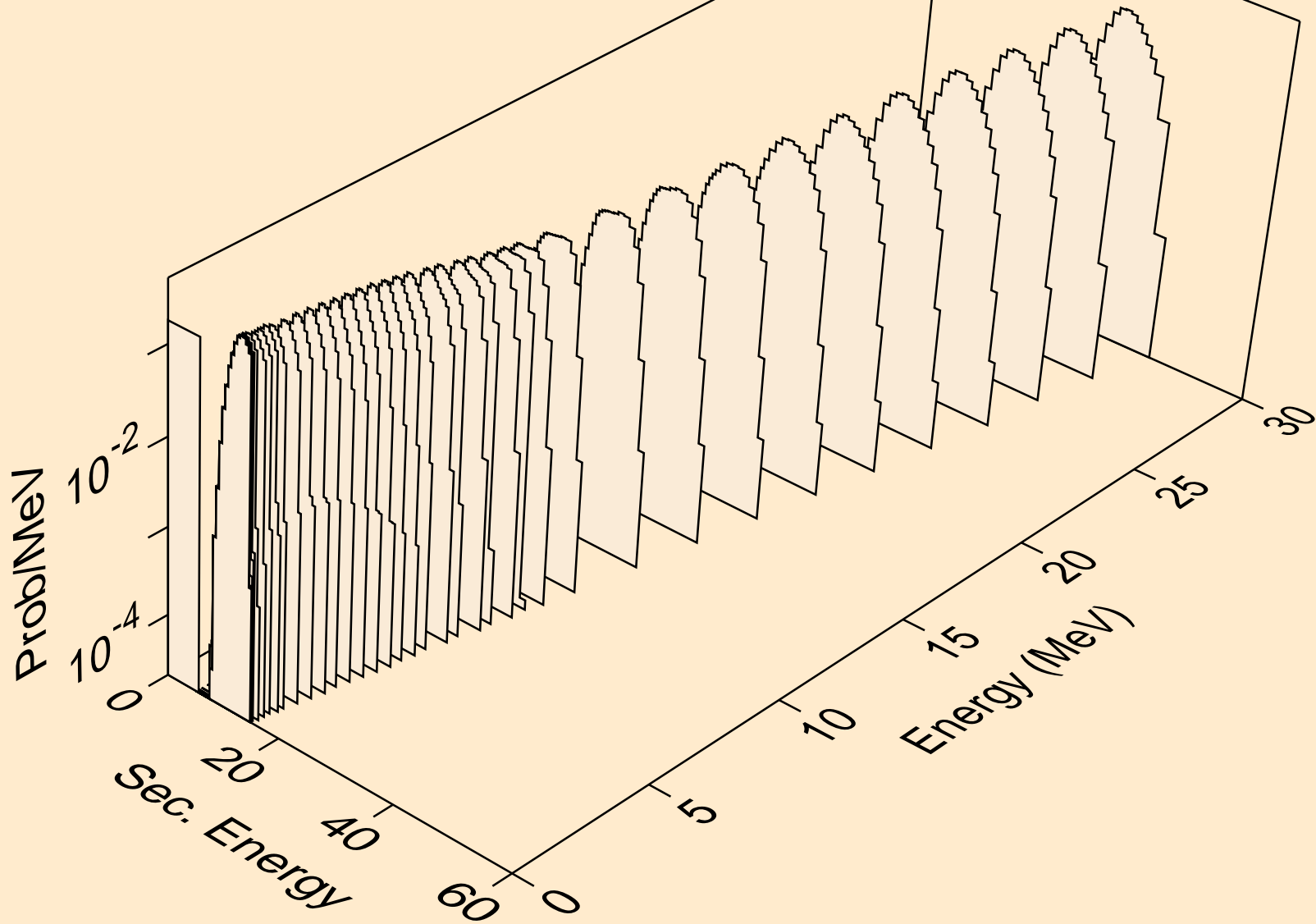




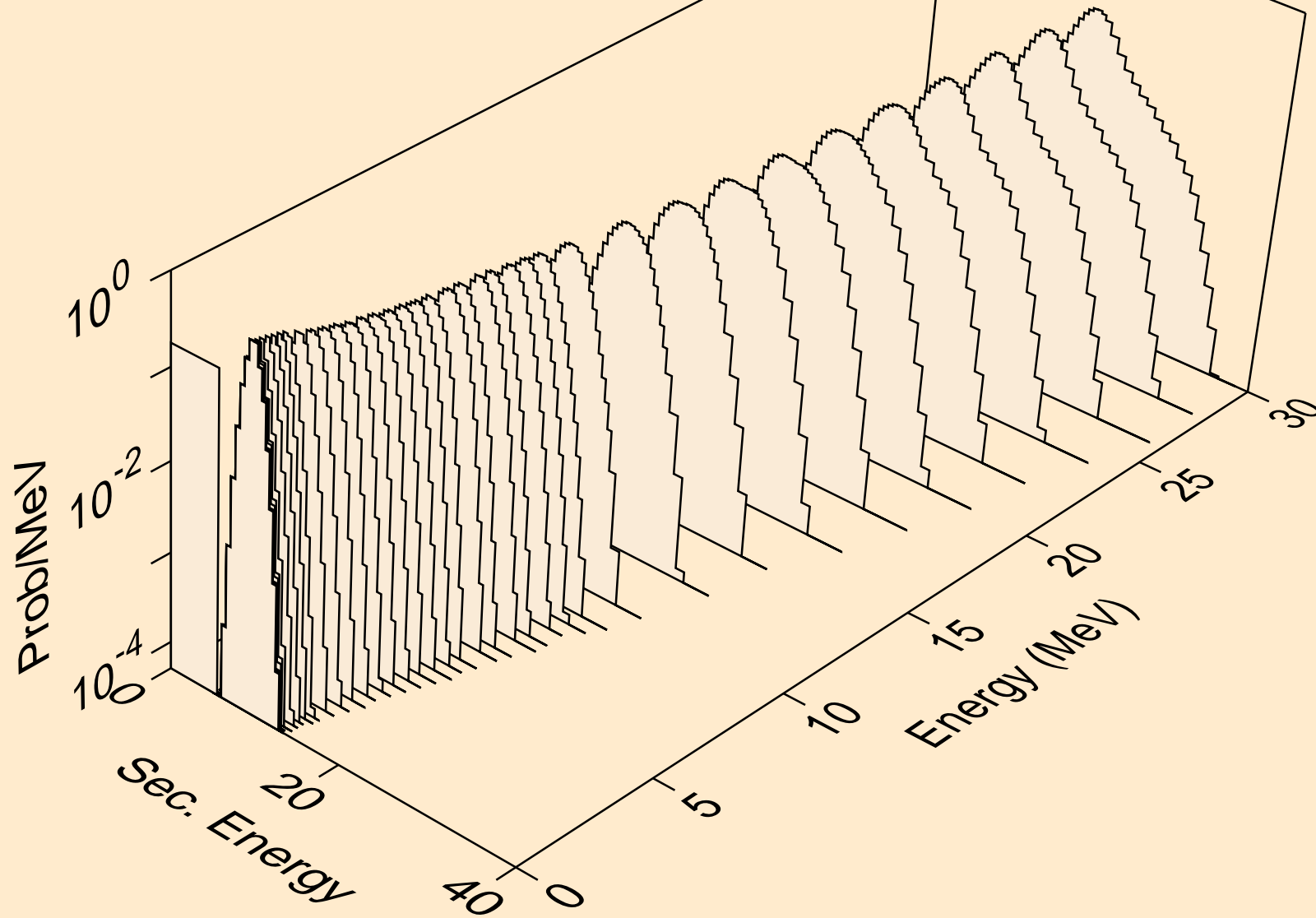
IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,npa)



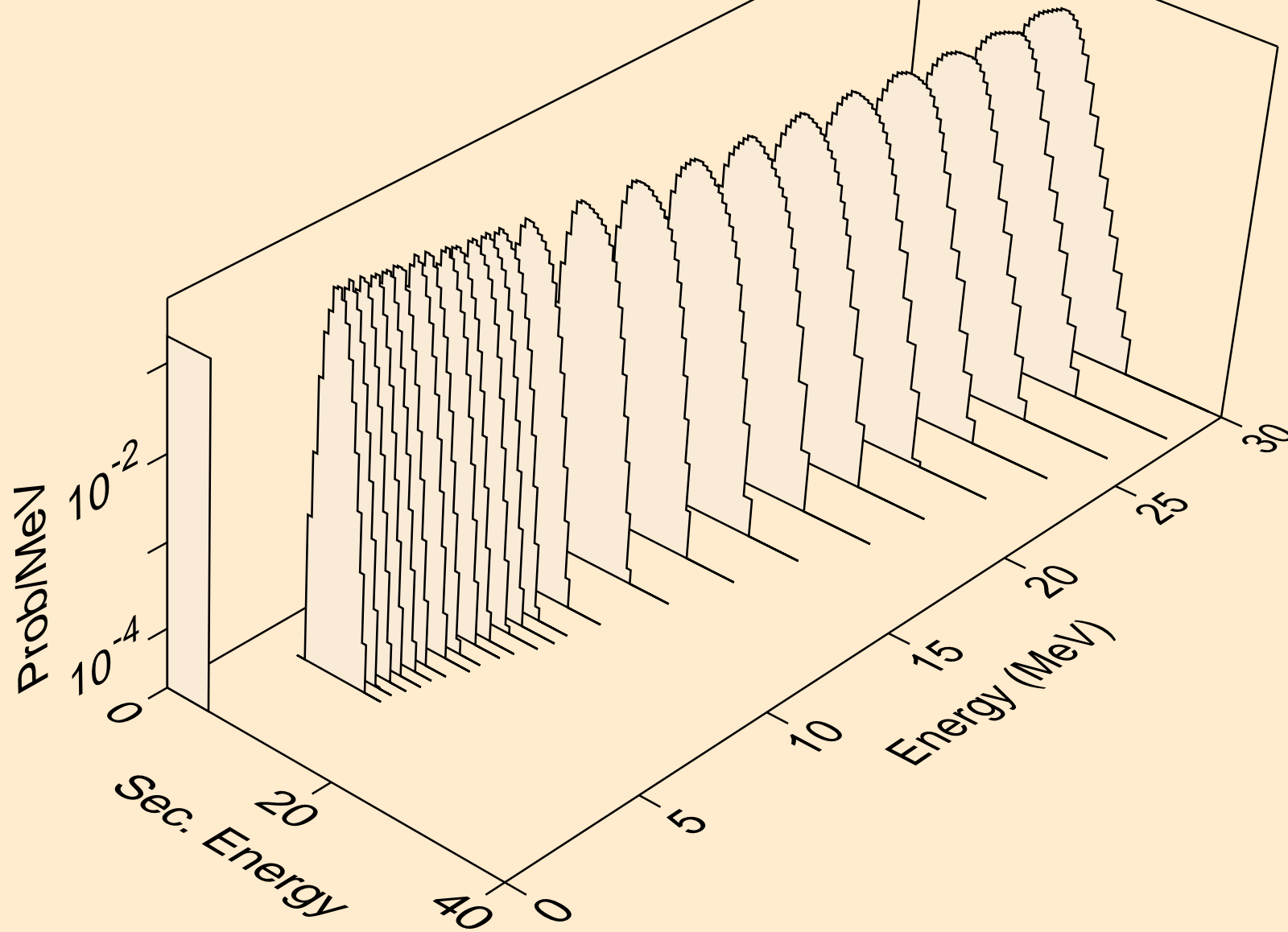
IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,a)



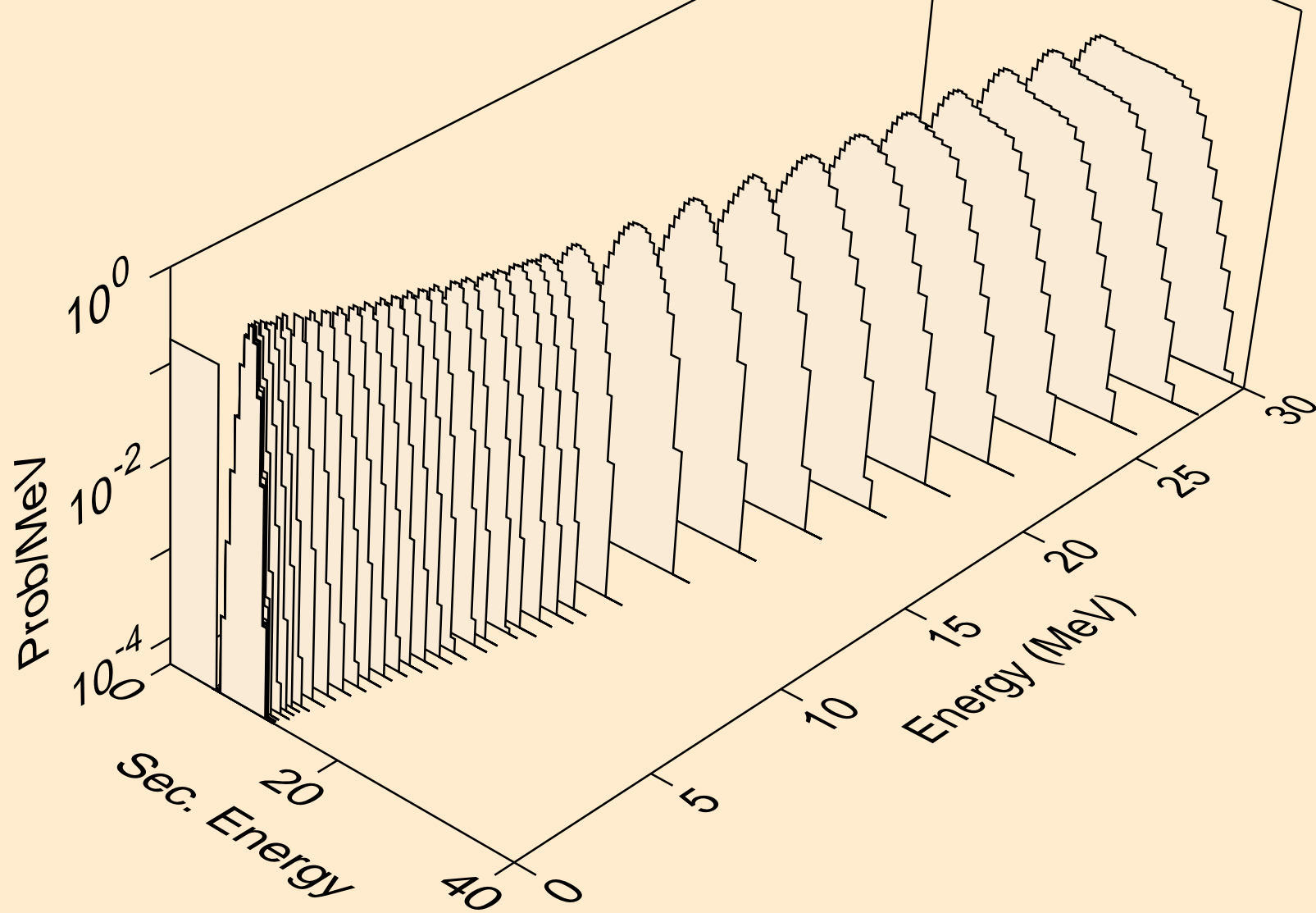
IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2a)



IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,3a)



IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,pa)



IR176 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,da)

