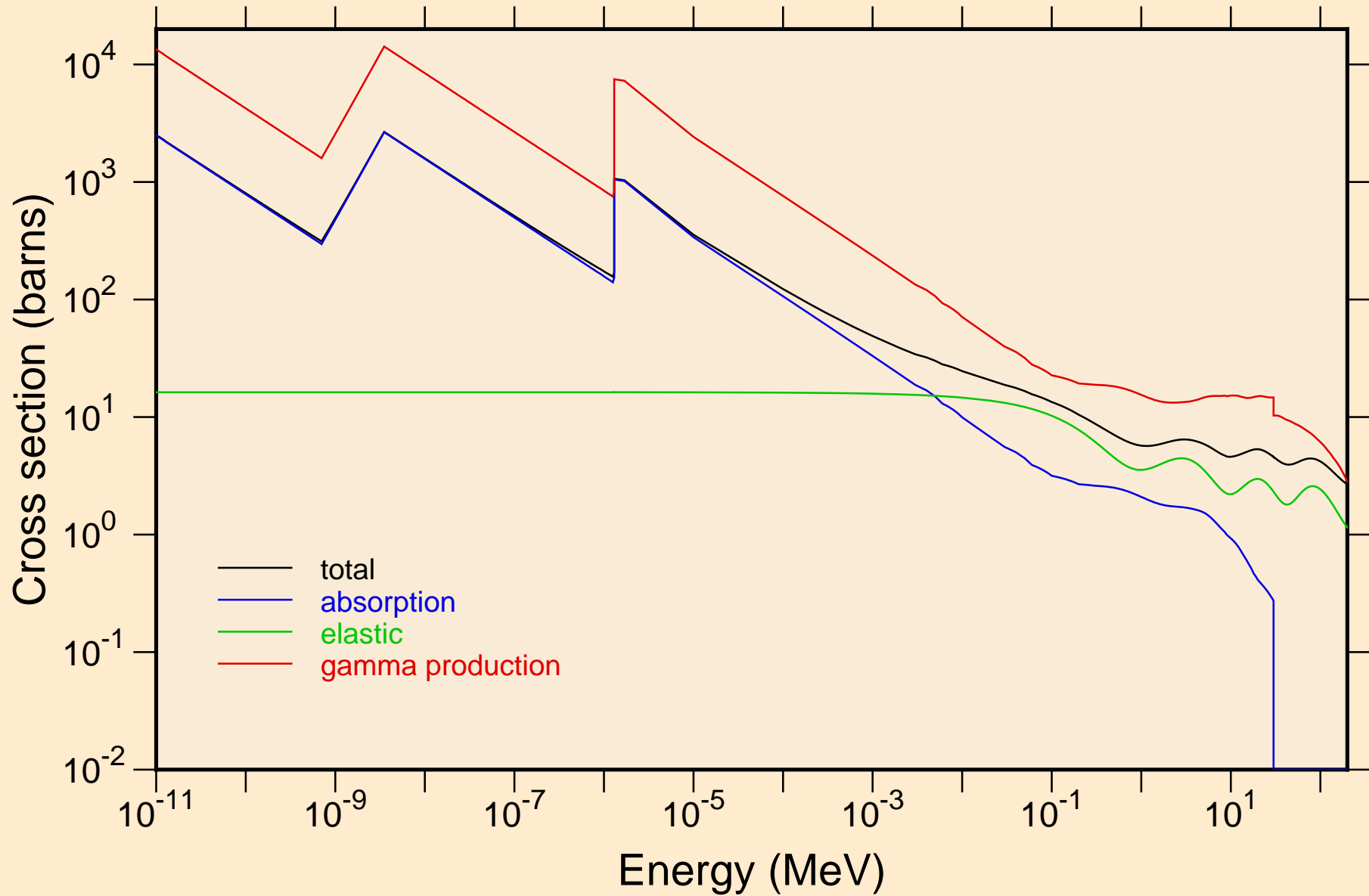


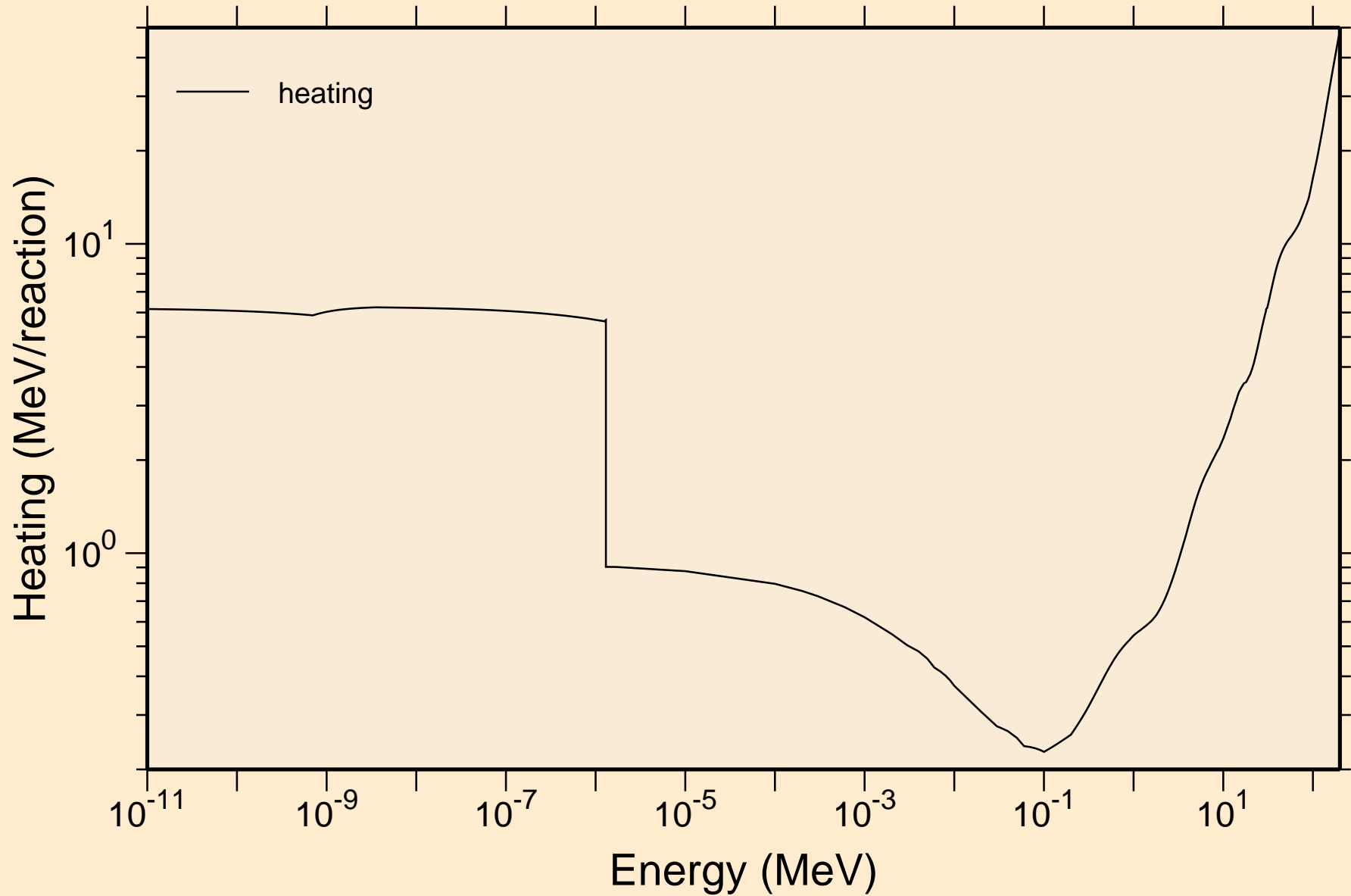
# IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections



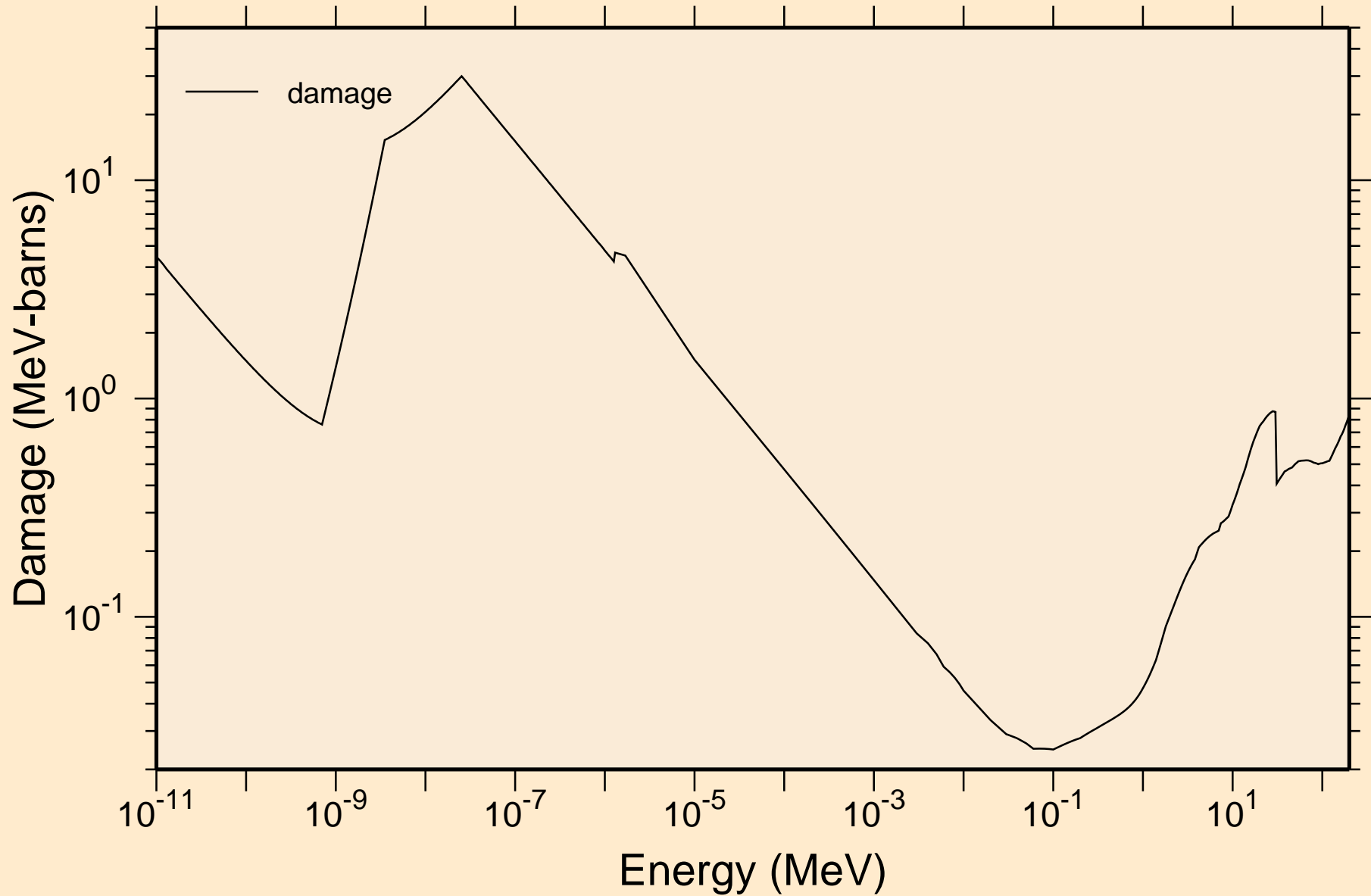
# IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Heating

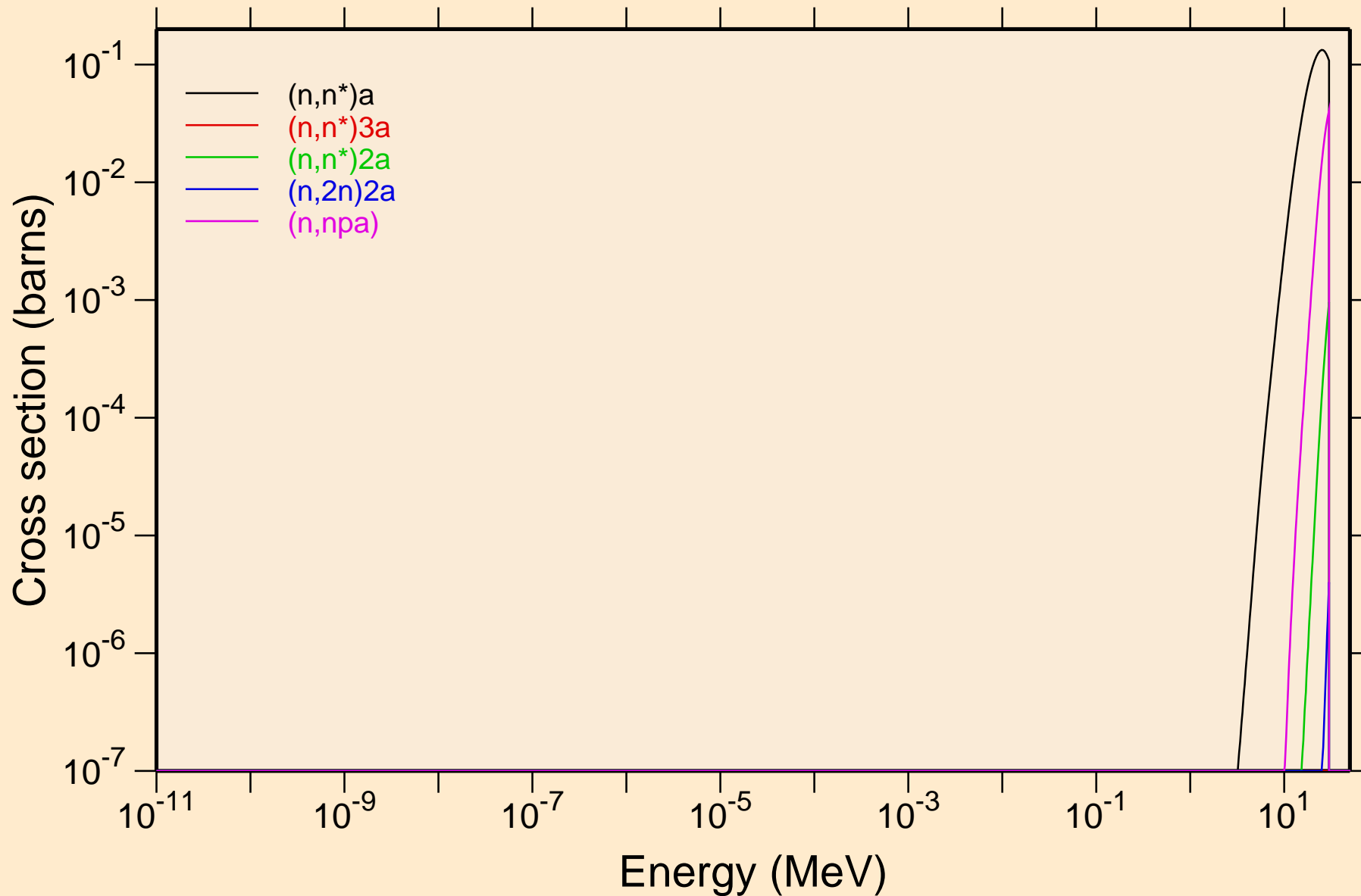


# IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

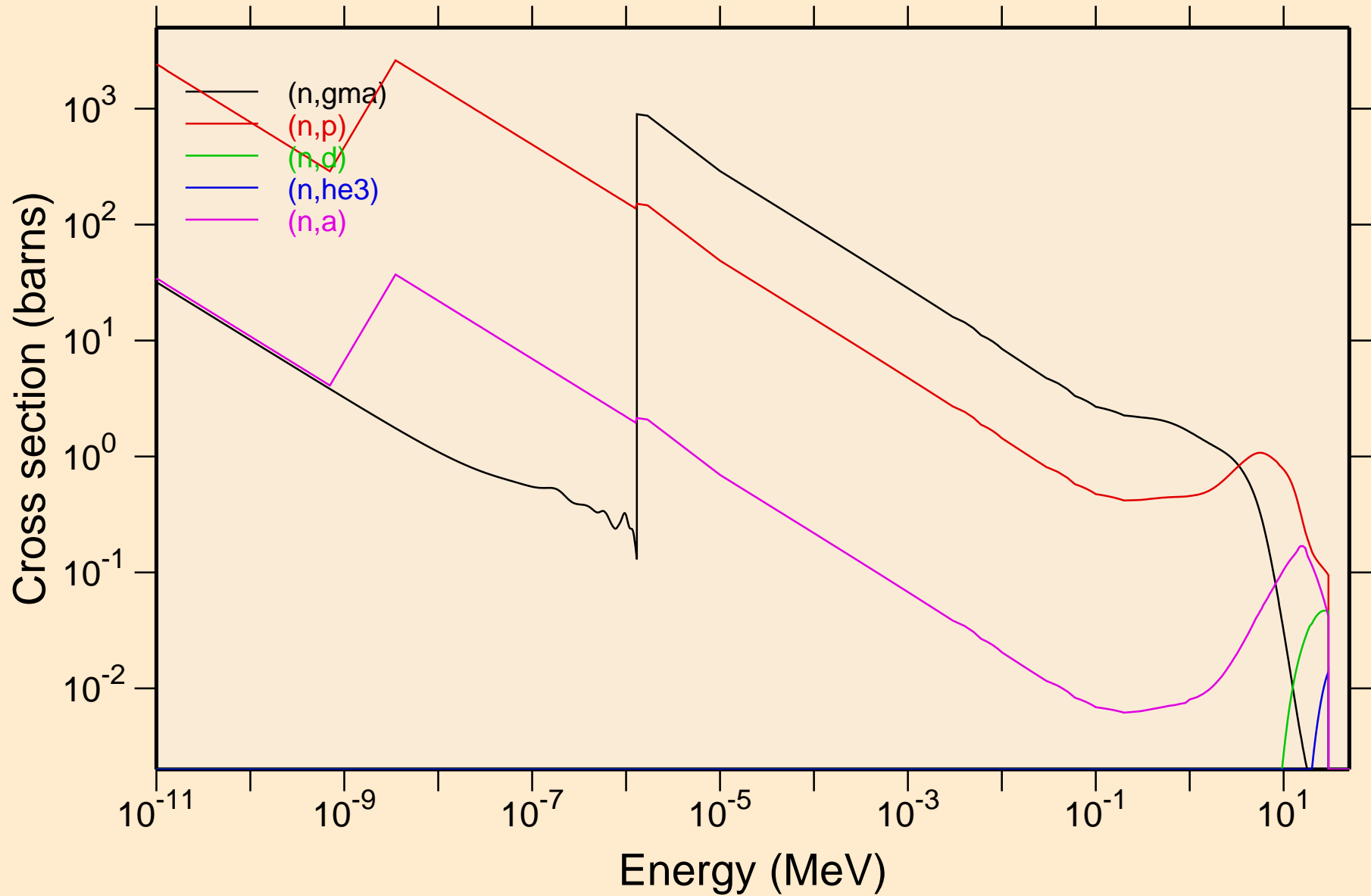
## Damage



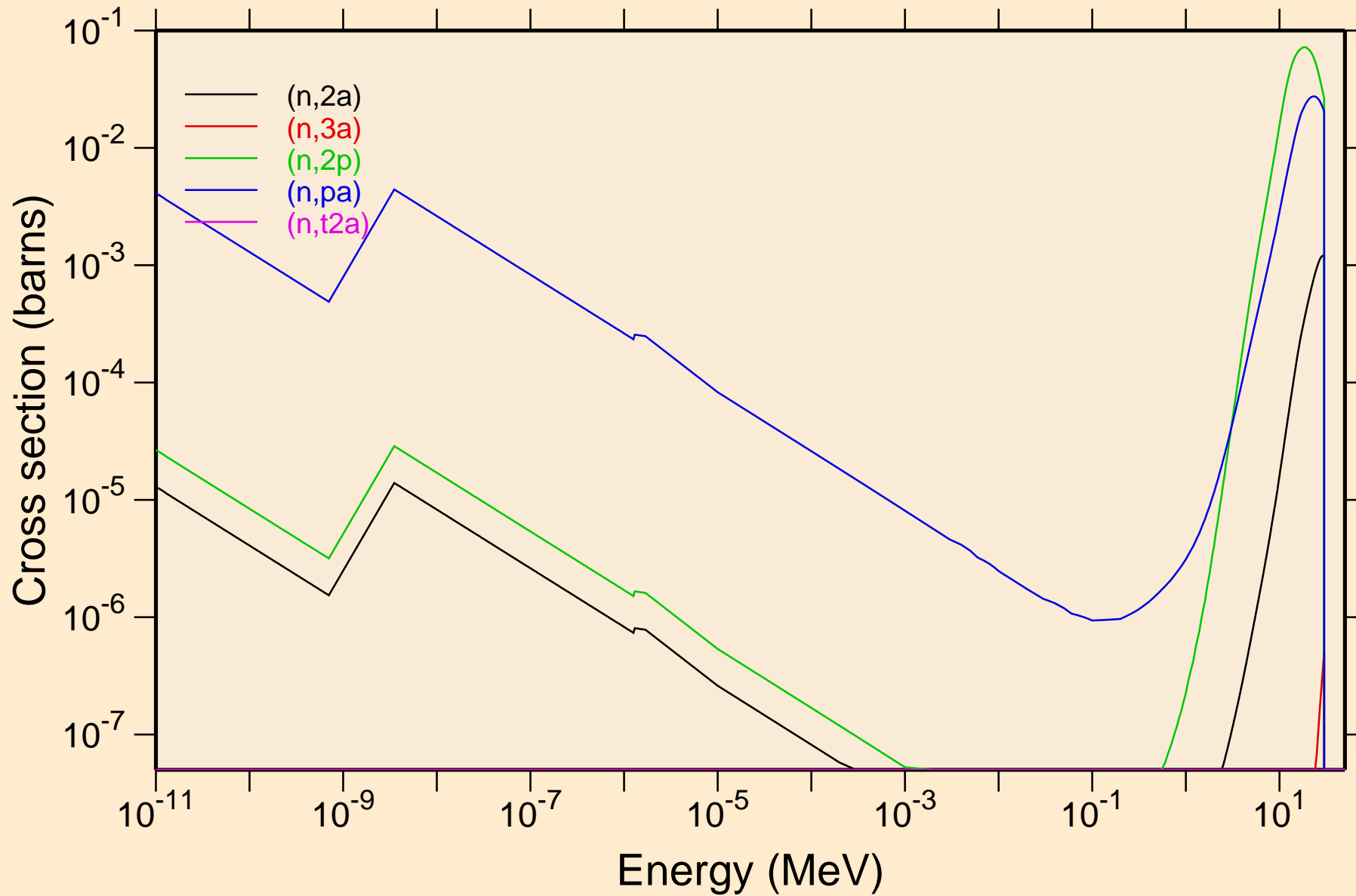
IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



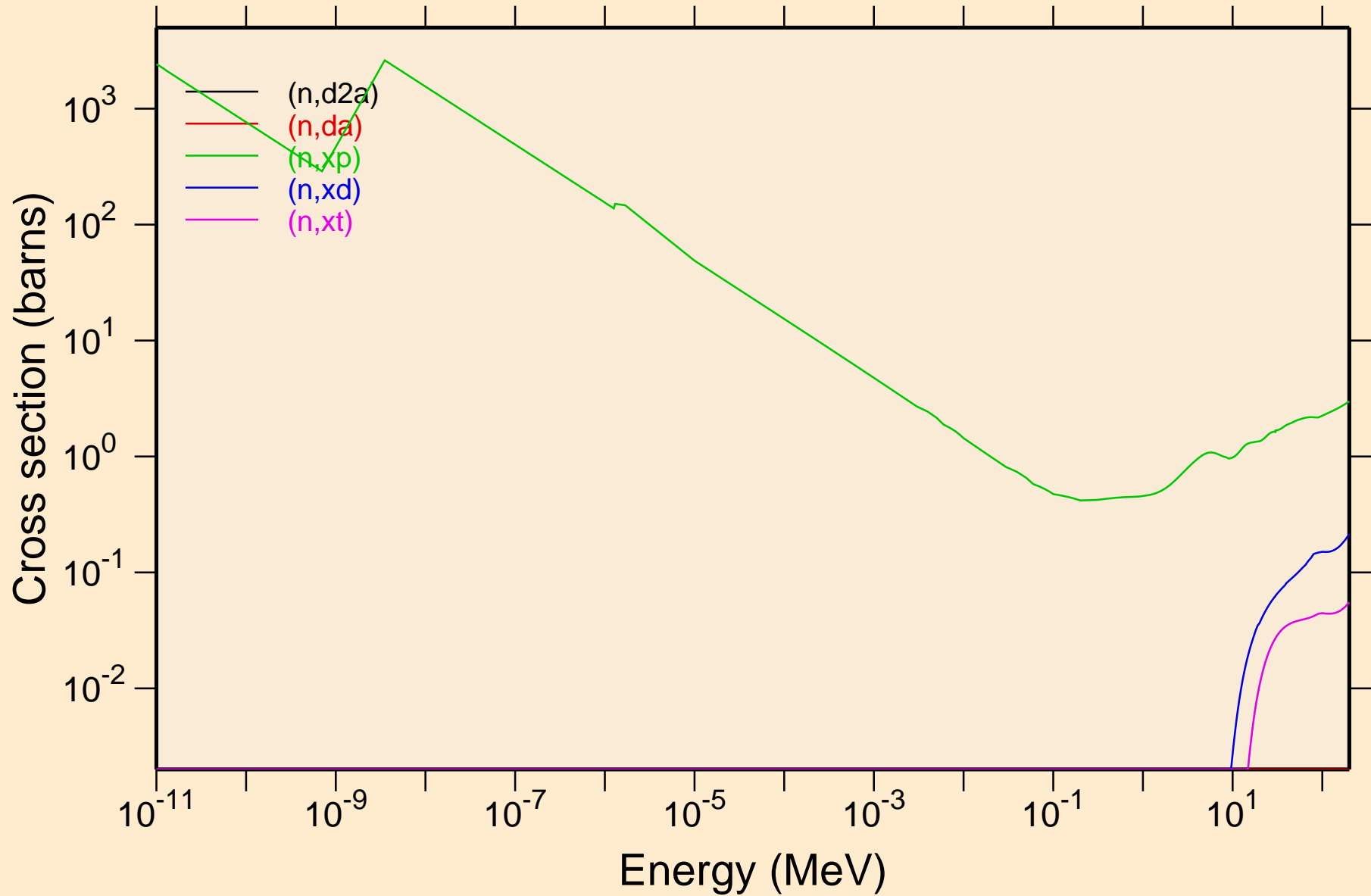
IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



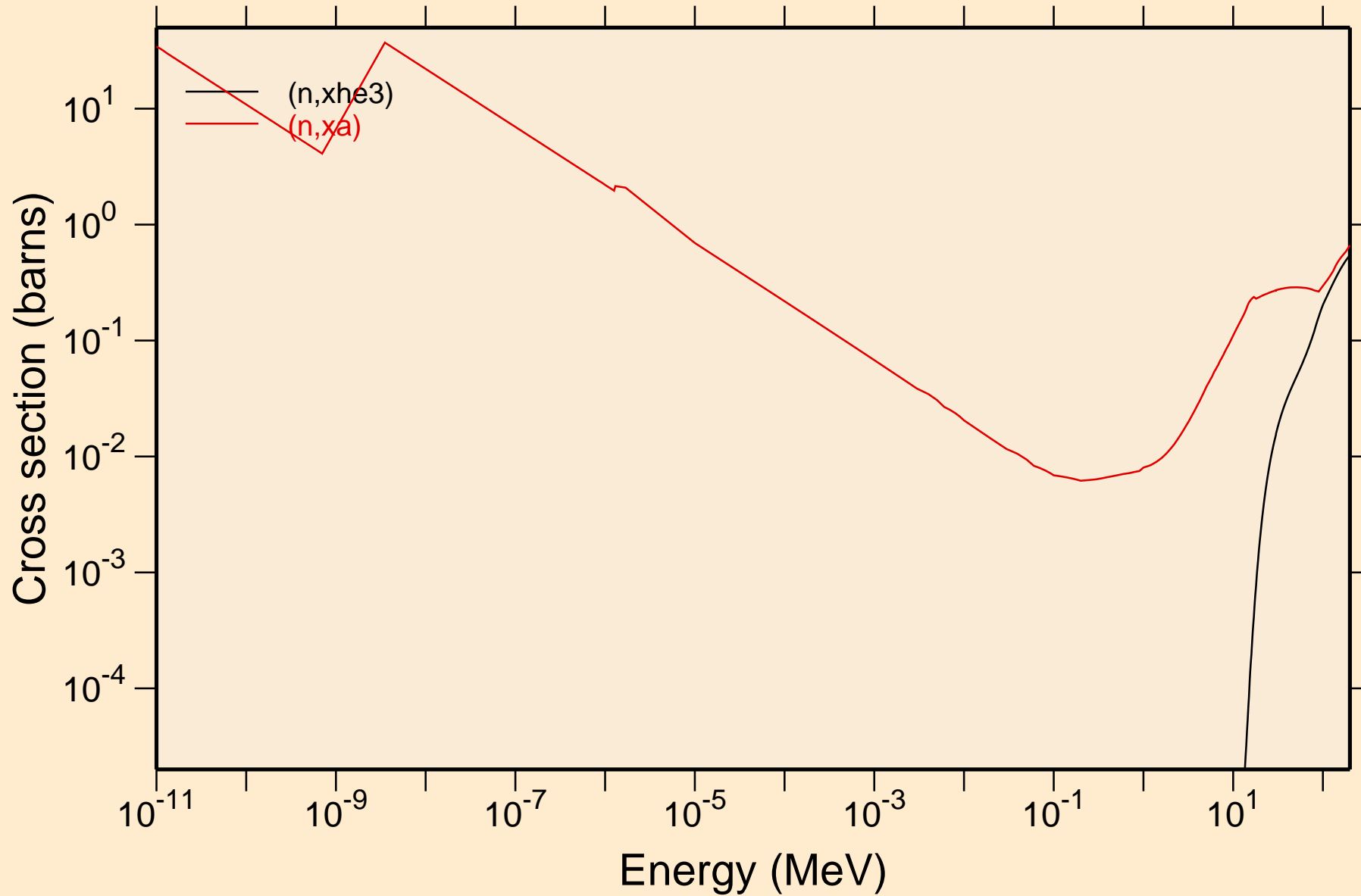
IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



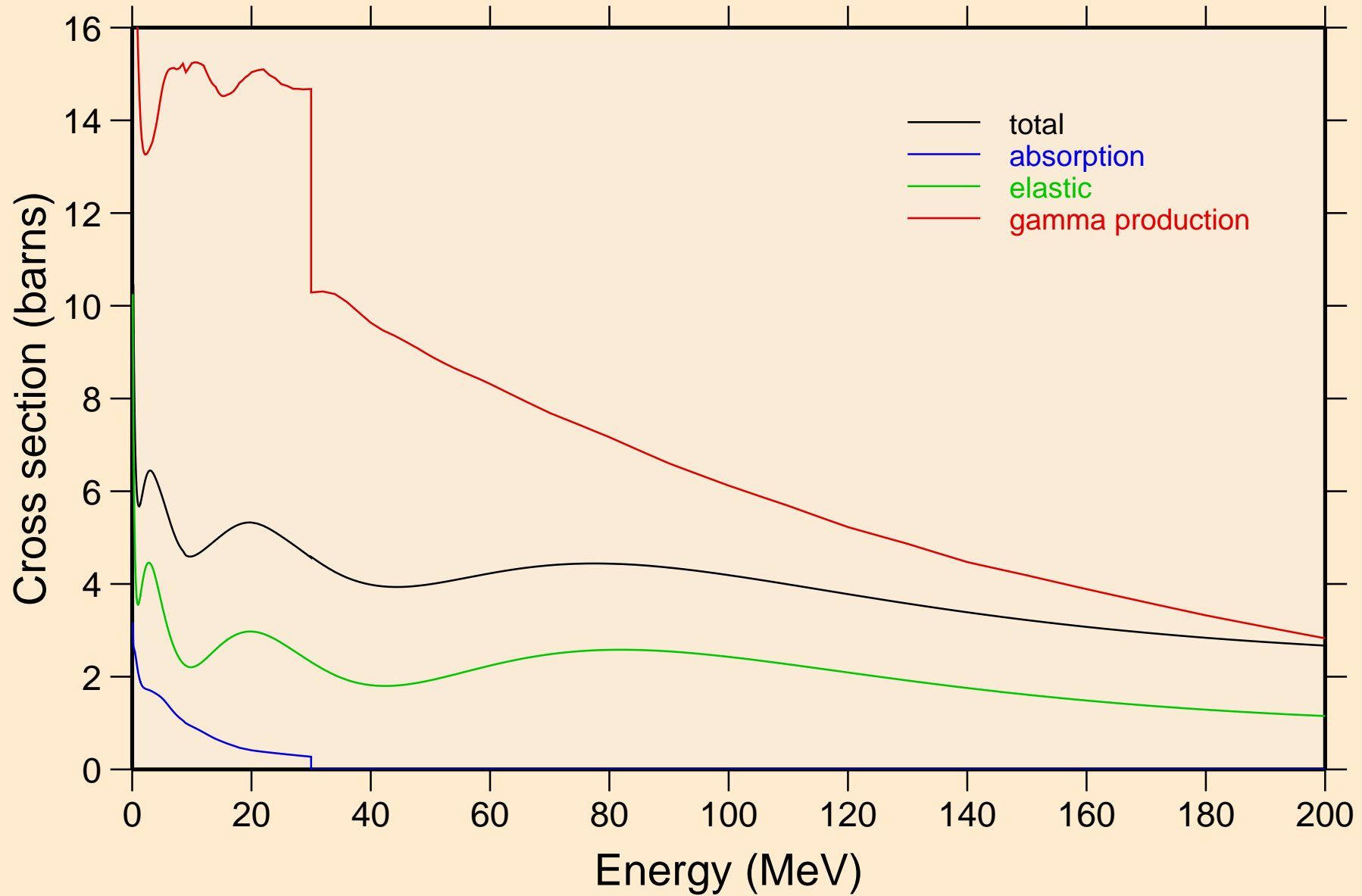
IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions





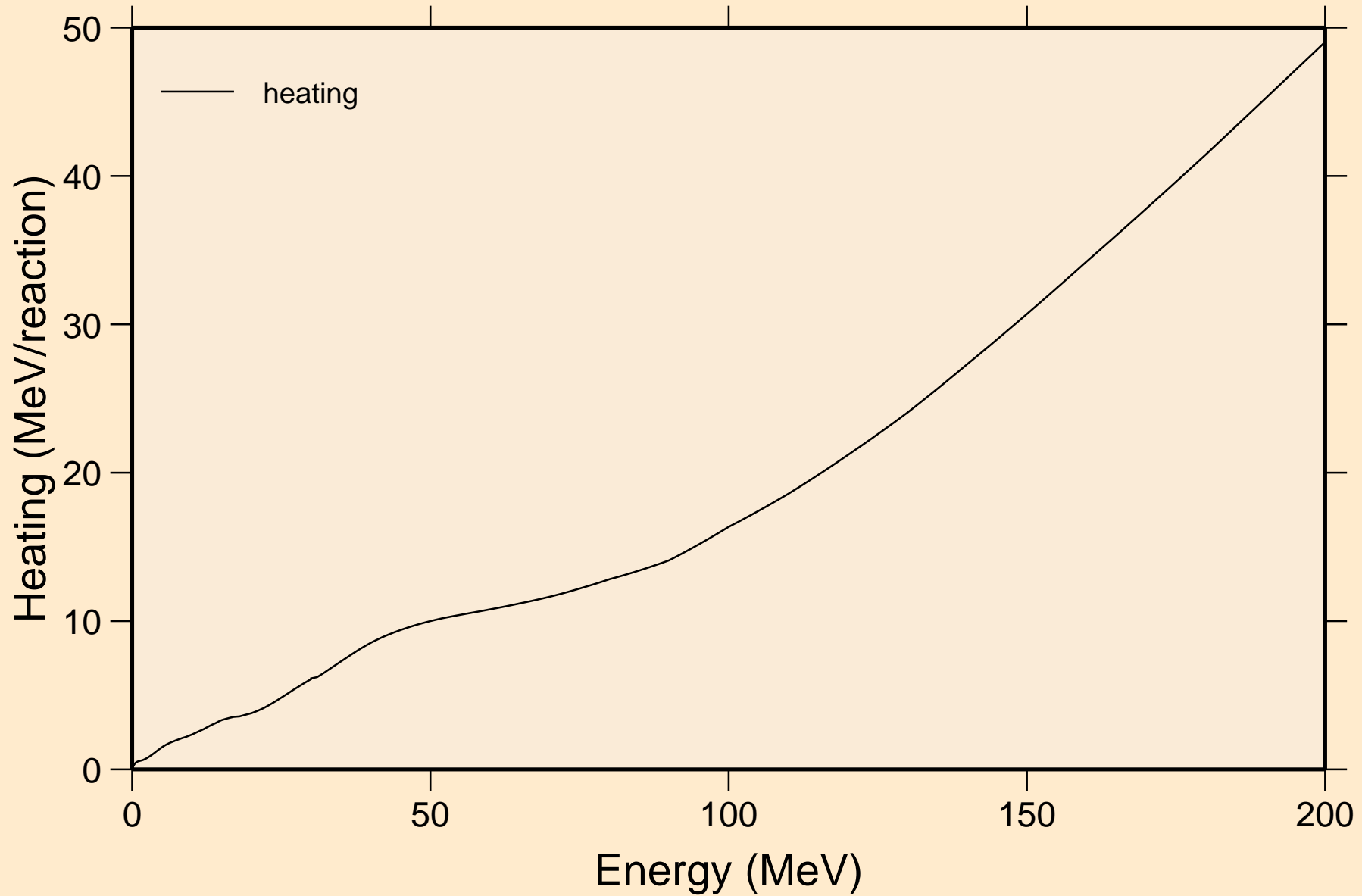
# IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections

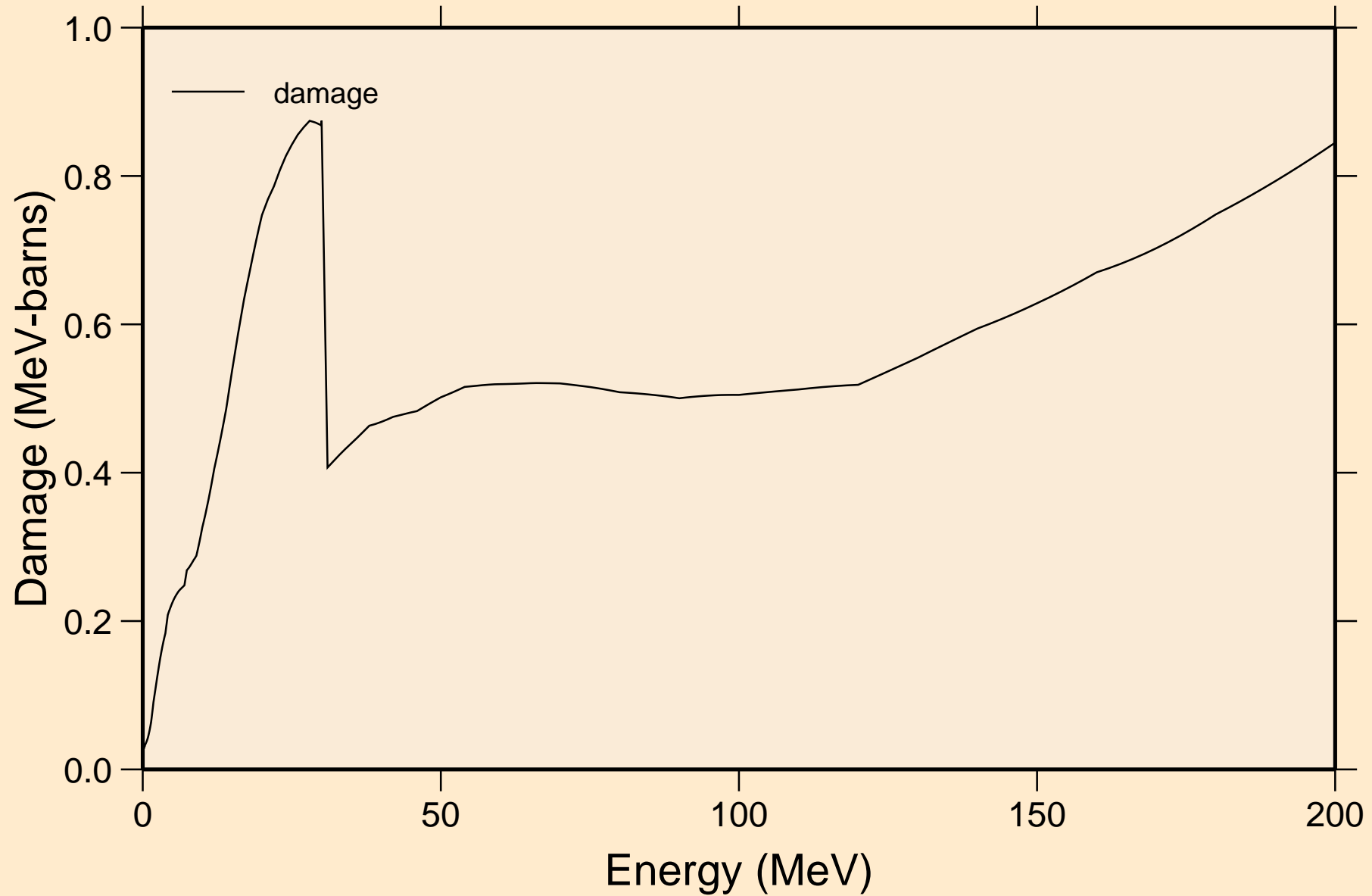


# IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Heating

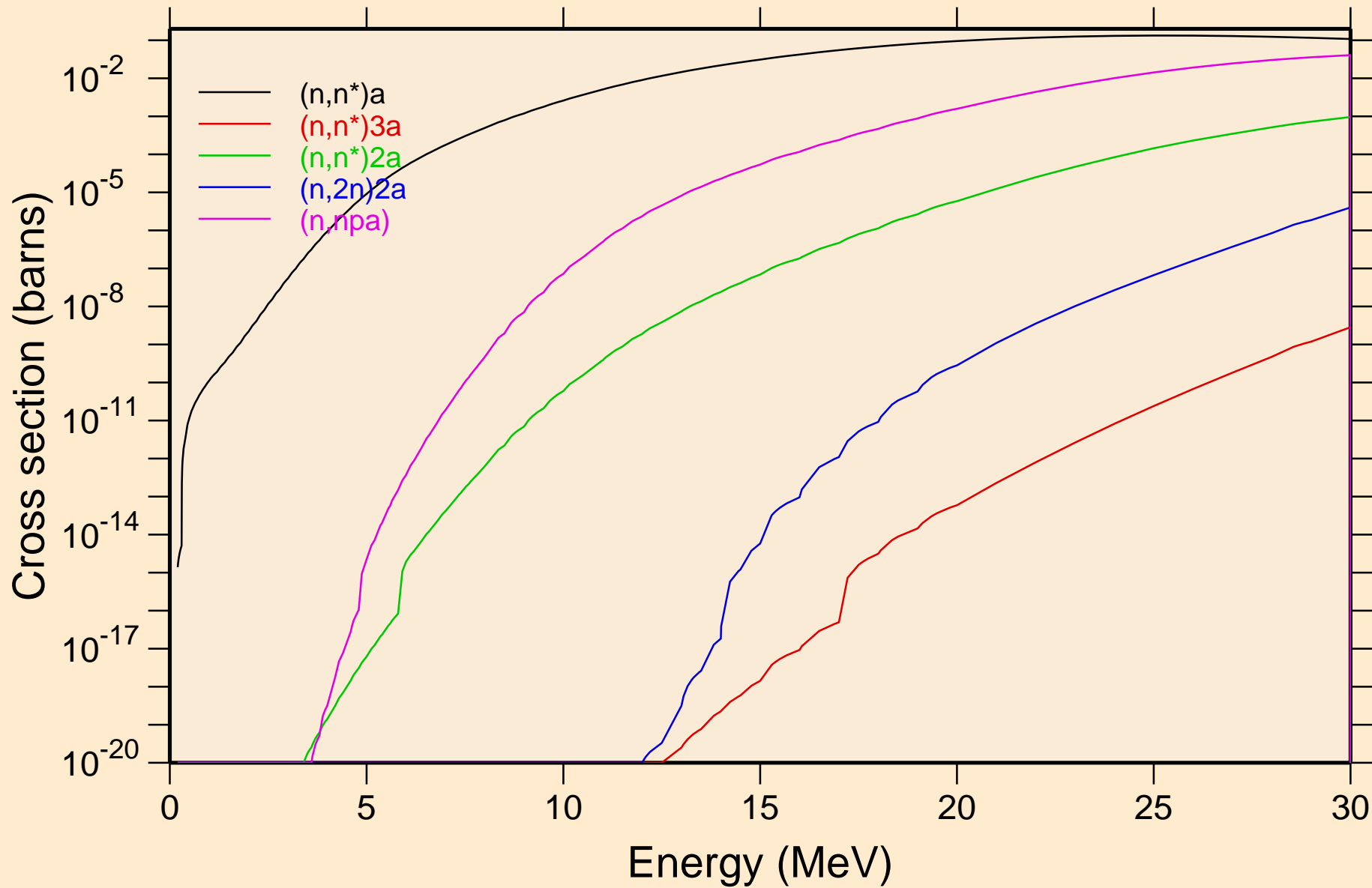


IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Damage



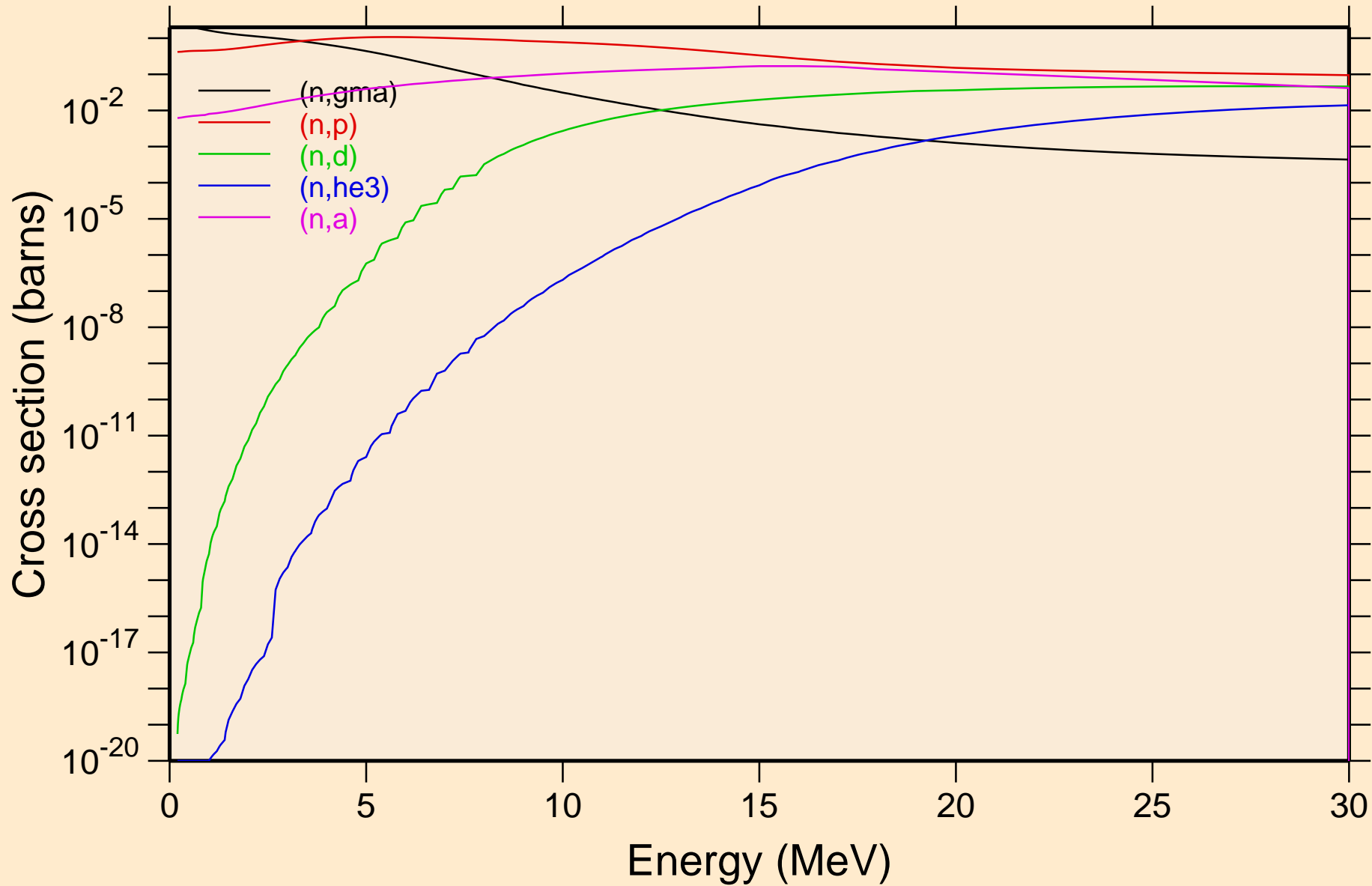
# IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Non-threshold reactions

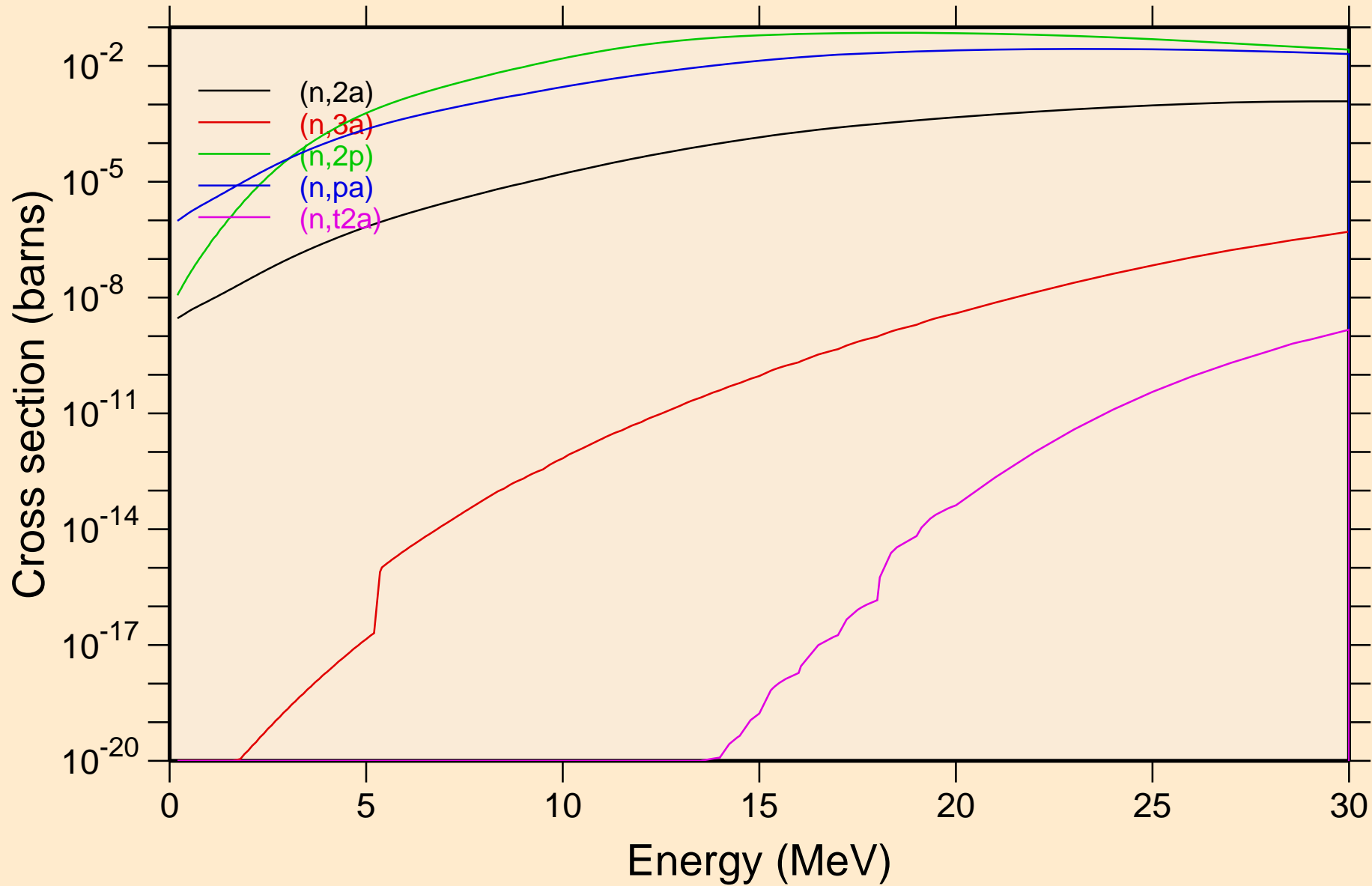


# IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

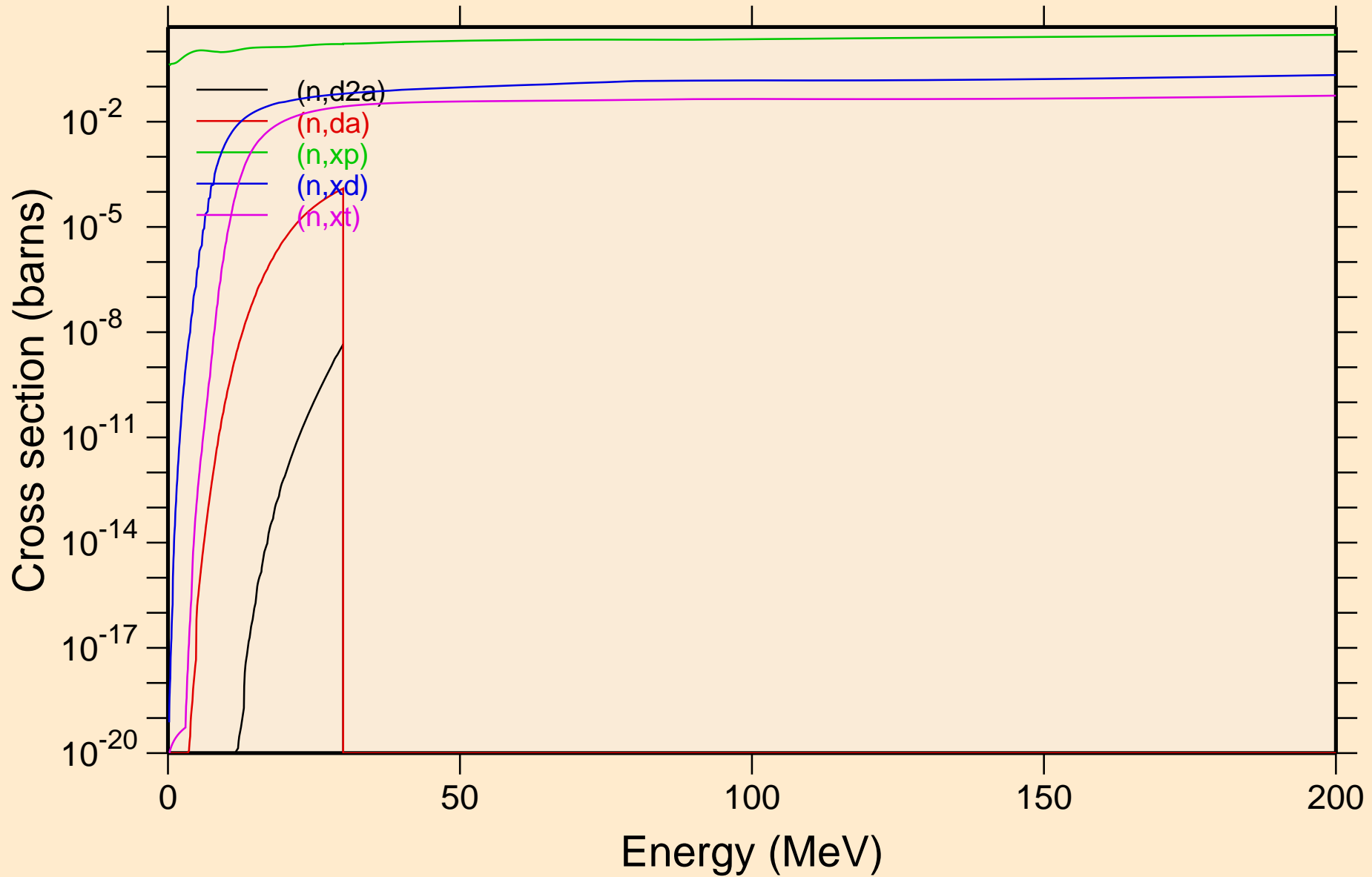
## Non-threshold reactions



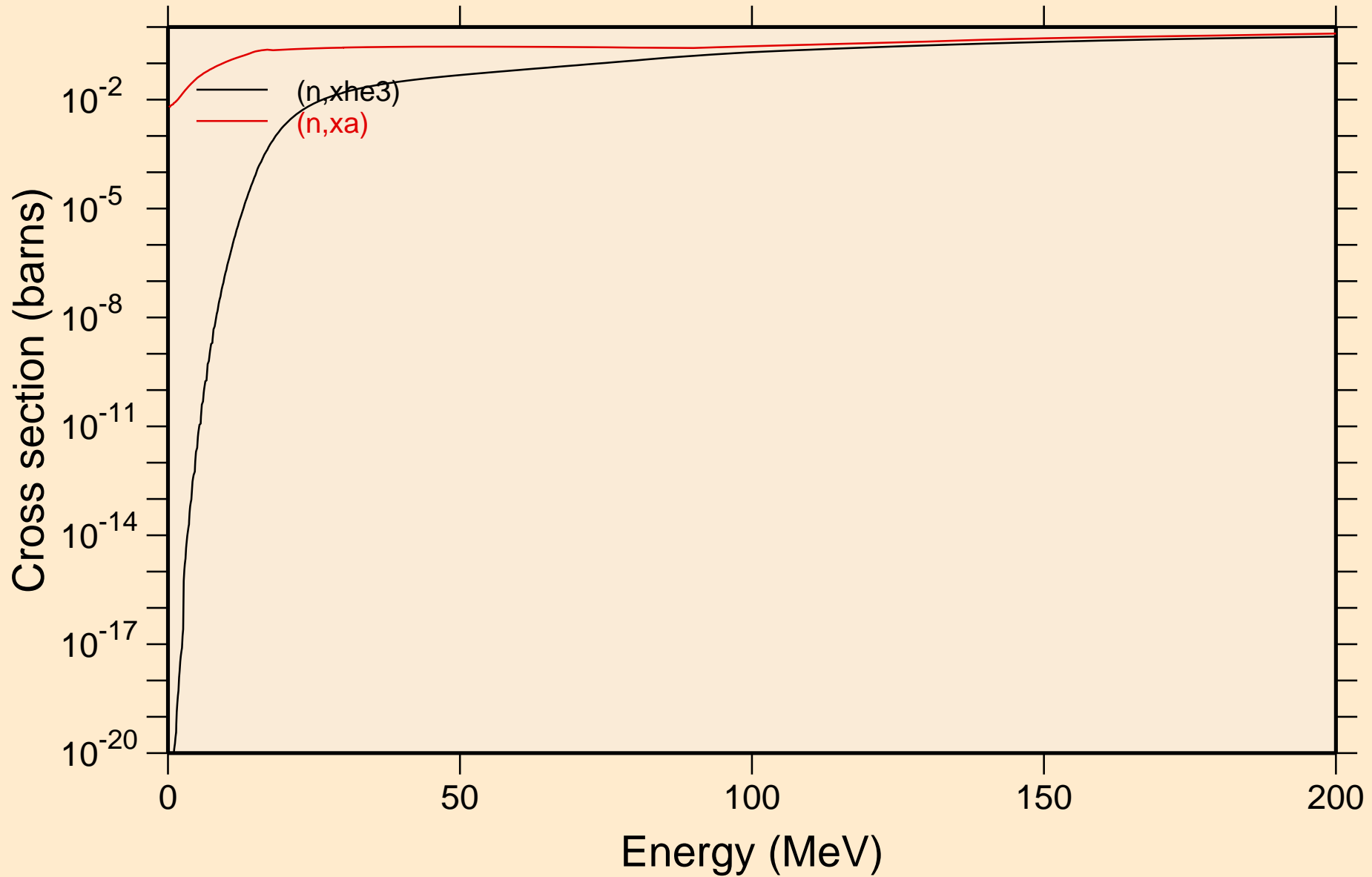
IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions

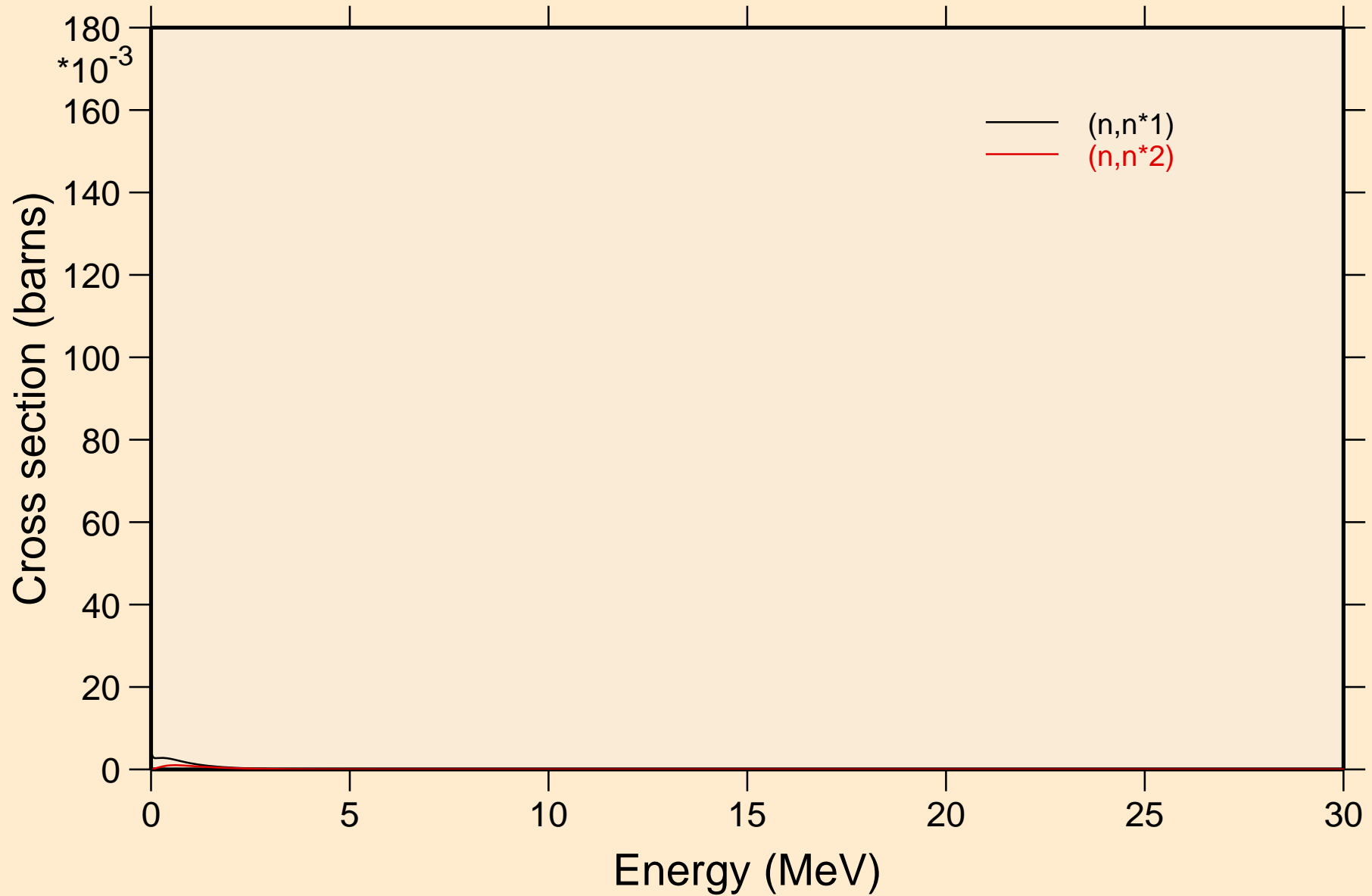


IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



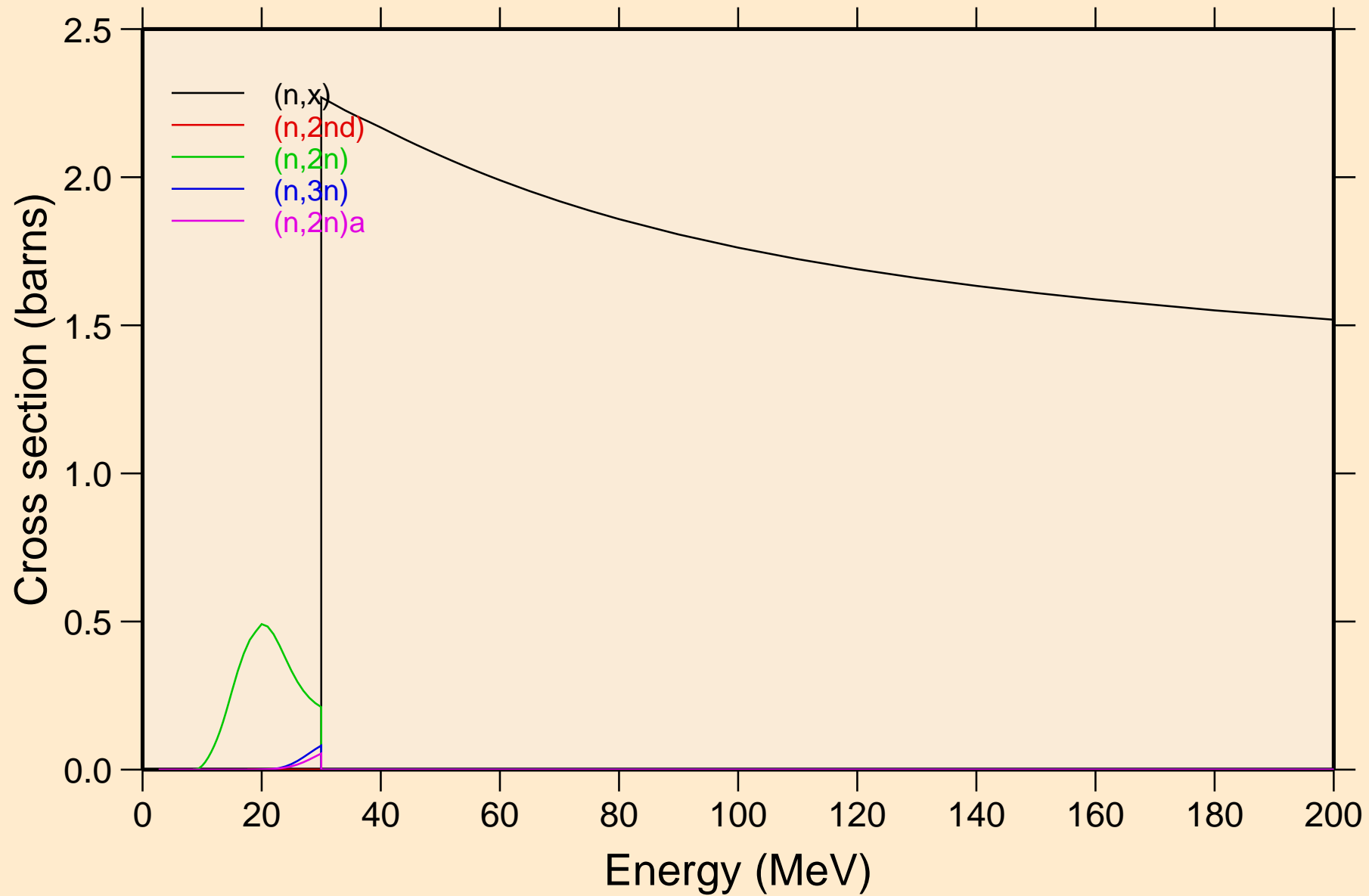


IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels

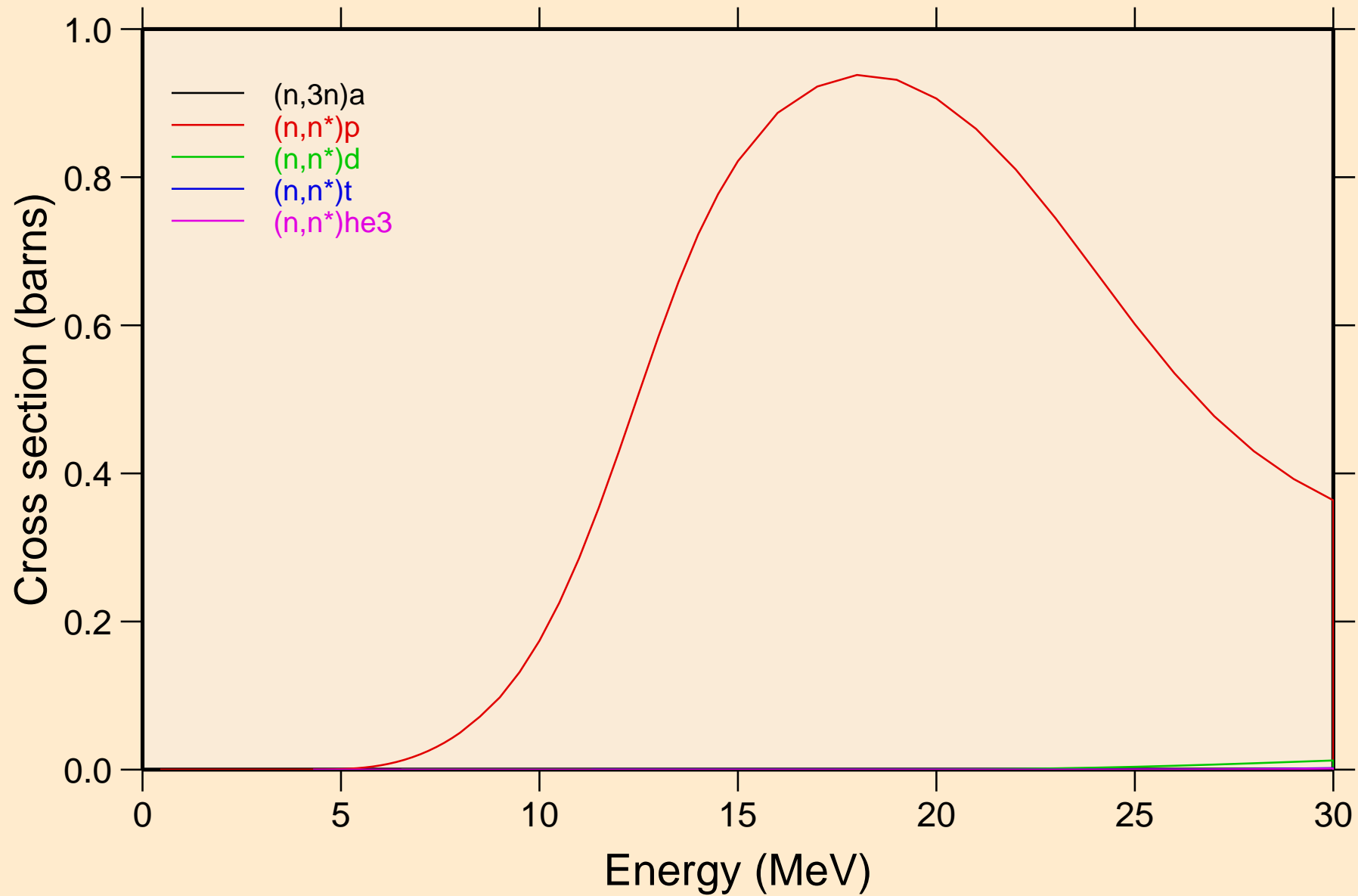


# IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

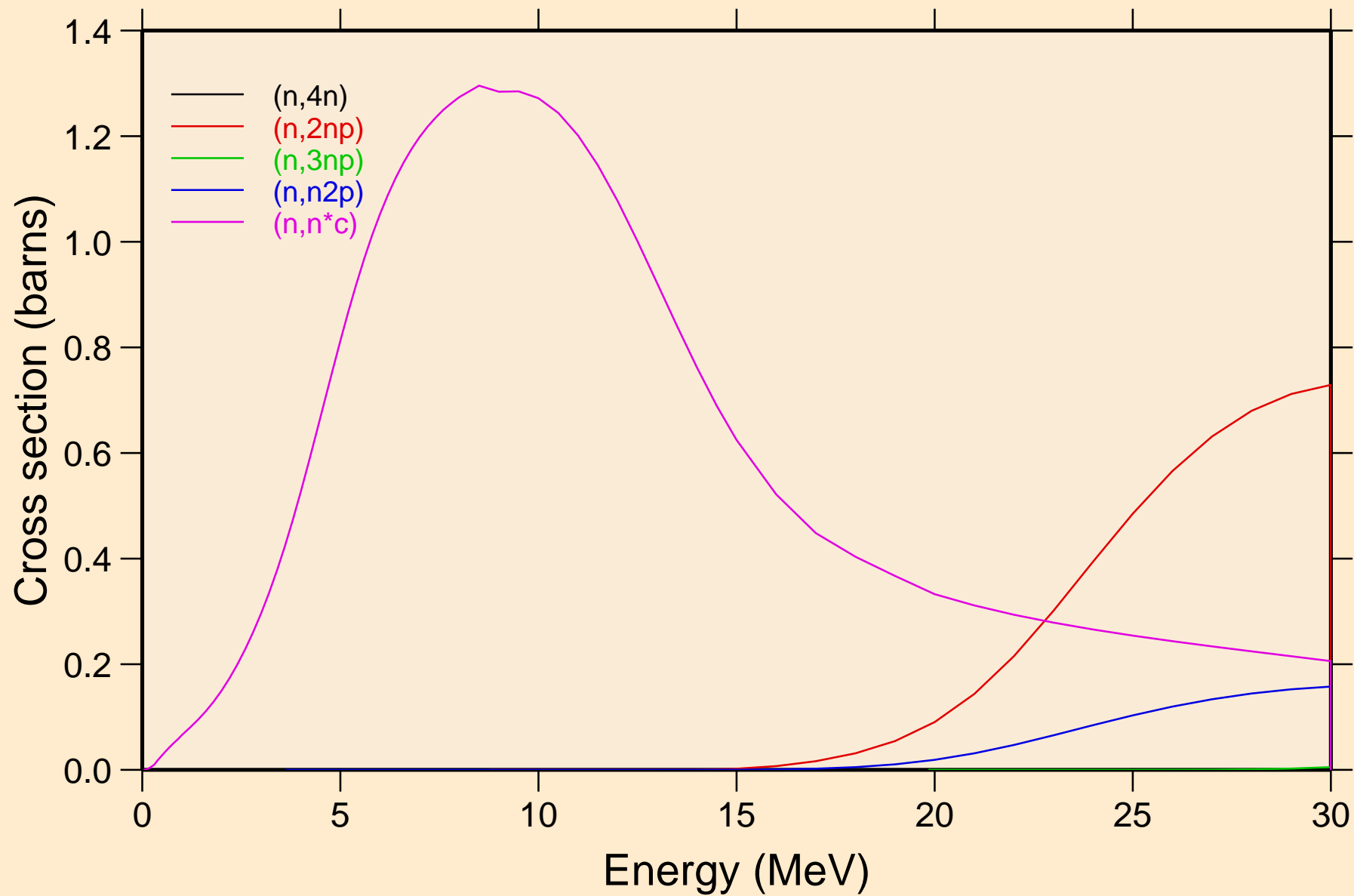
## Threshold reactions



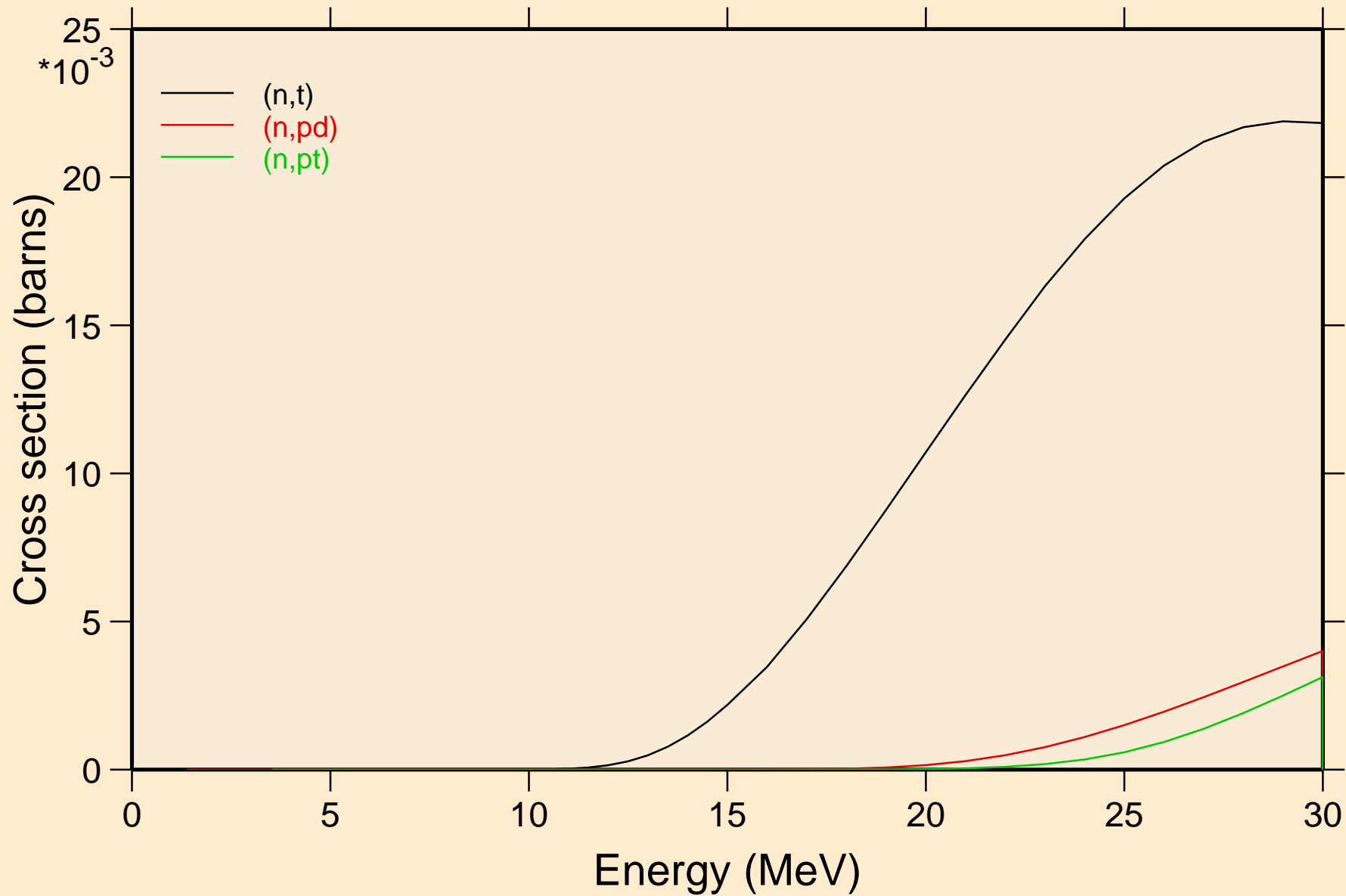
IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



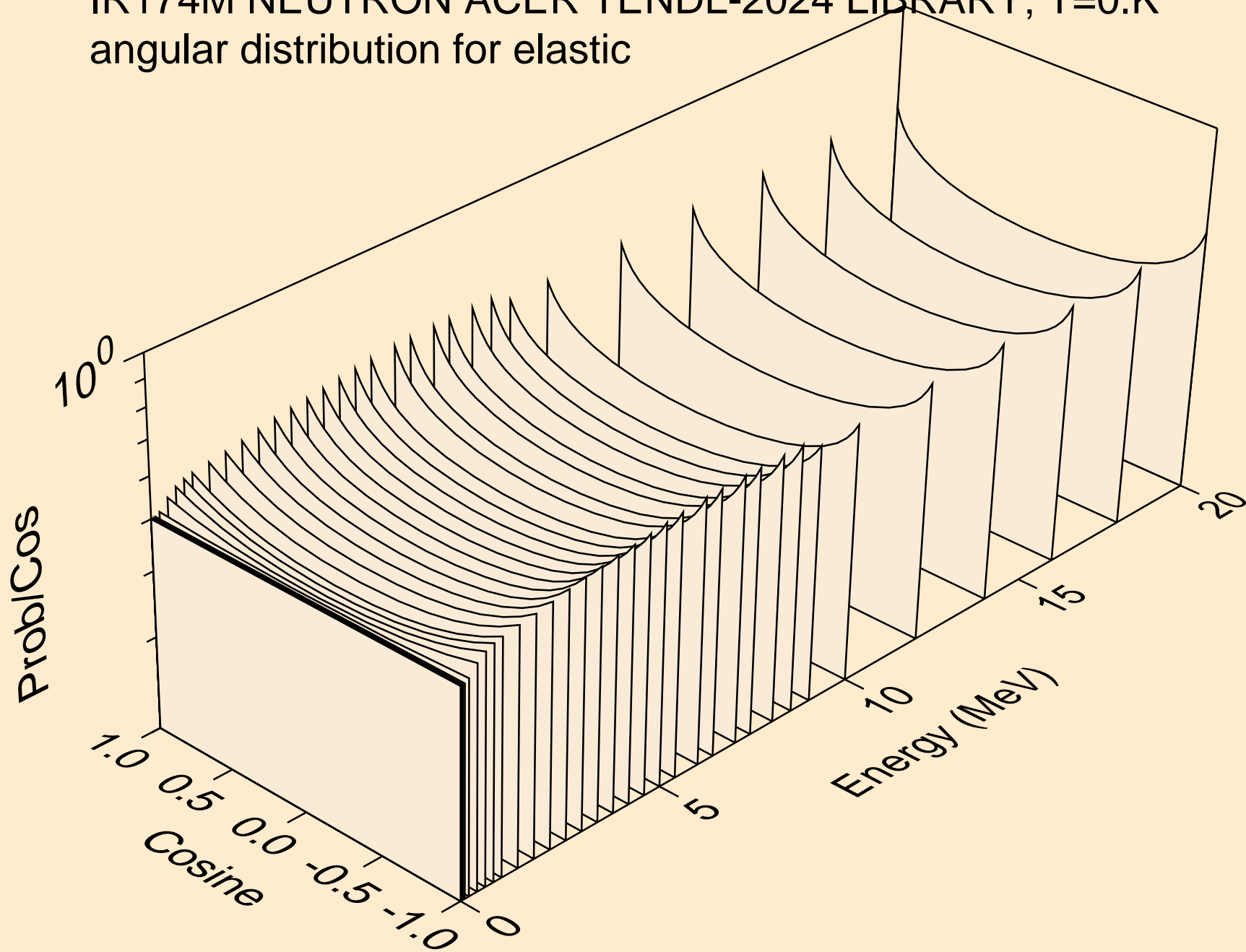
IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



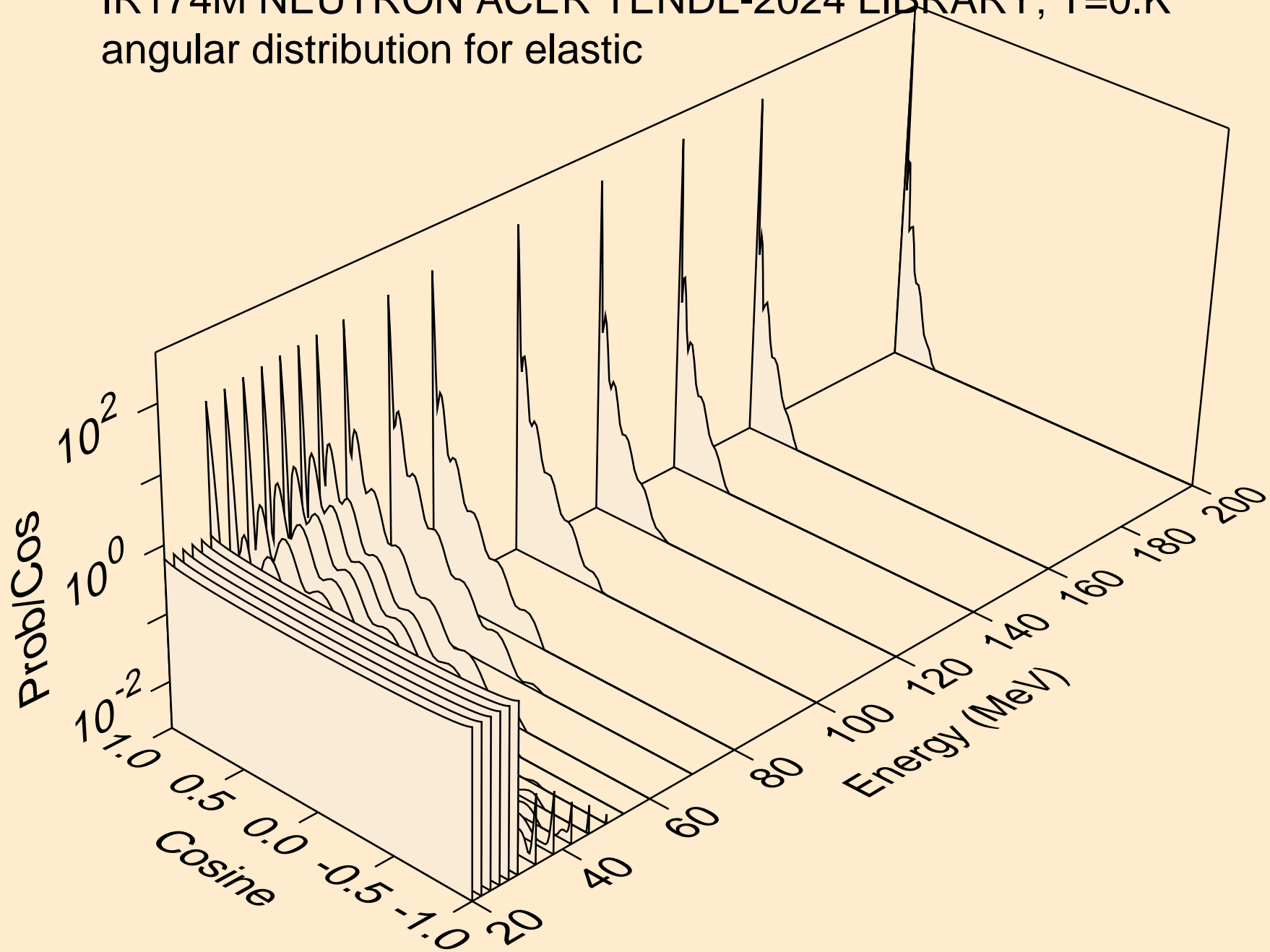
IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



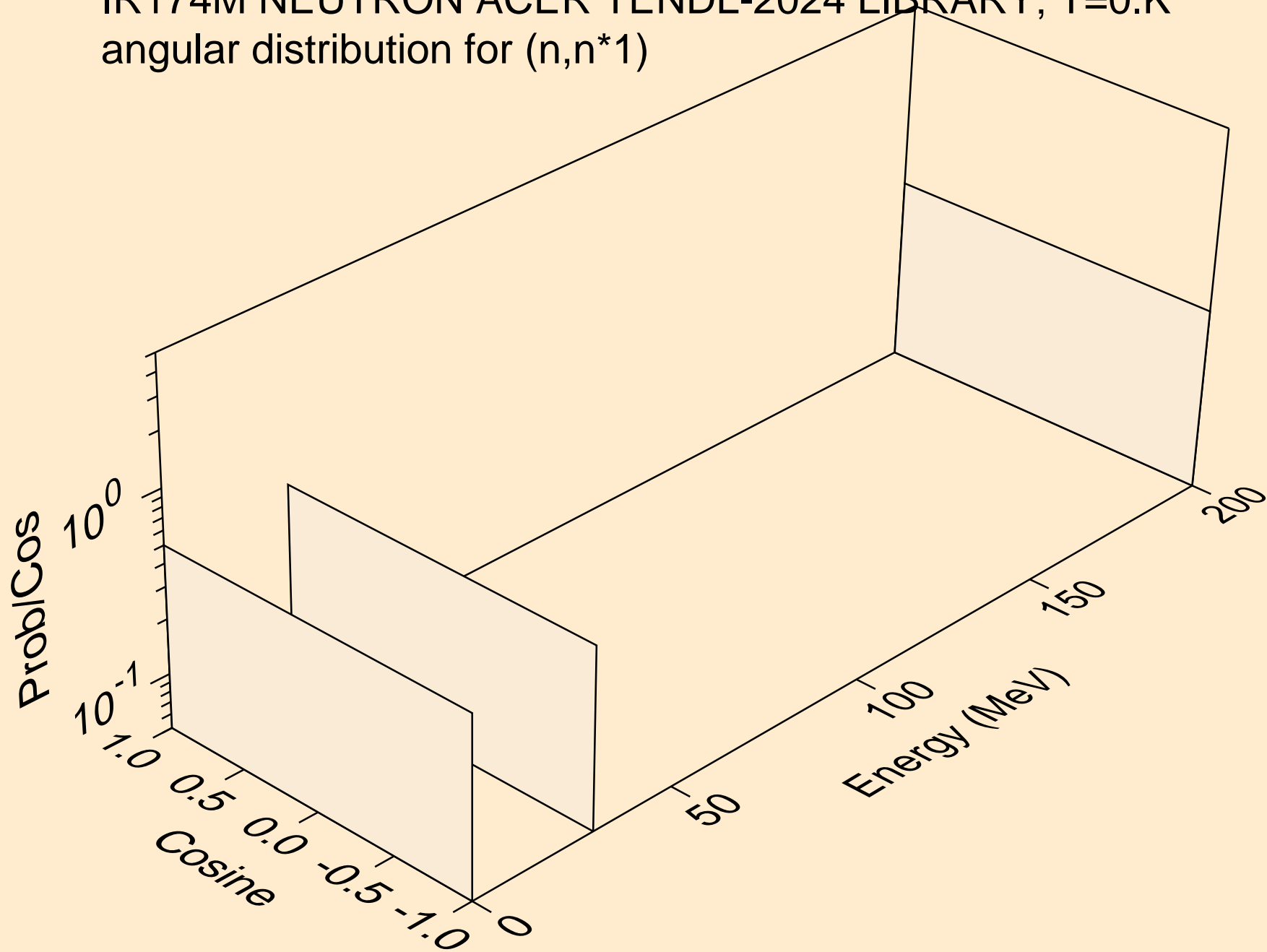
IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic

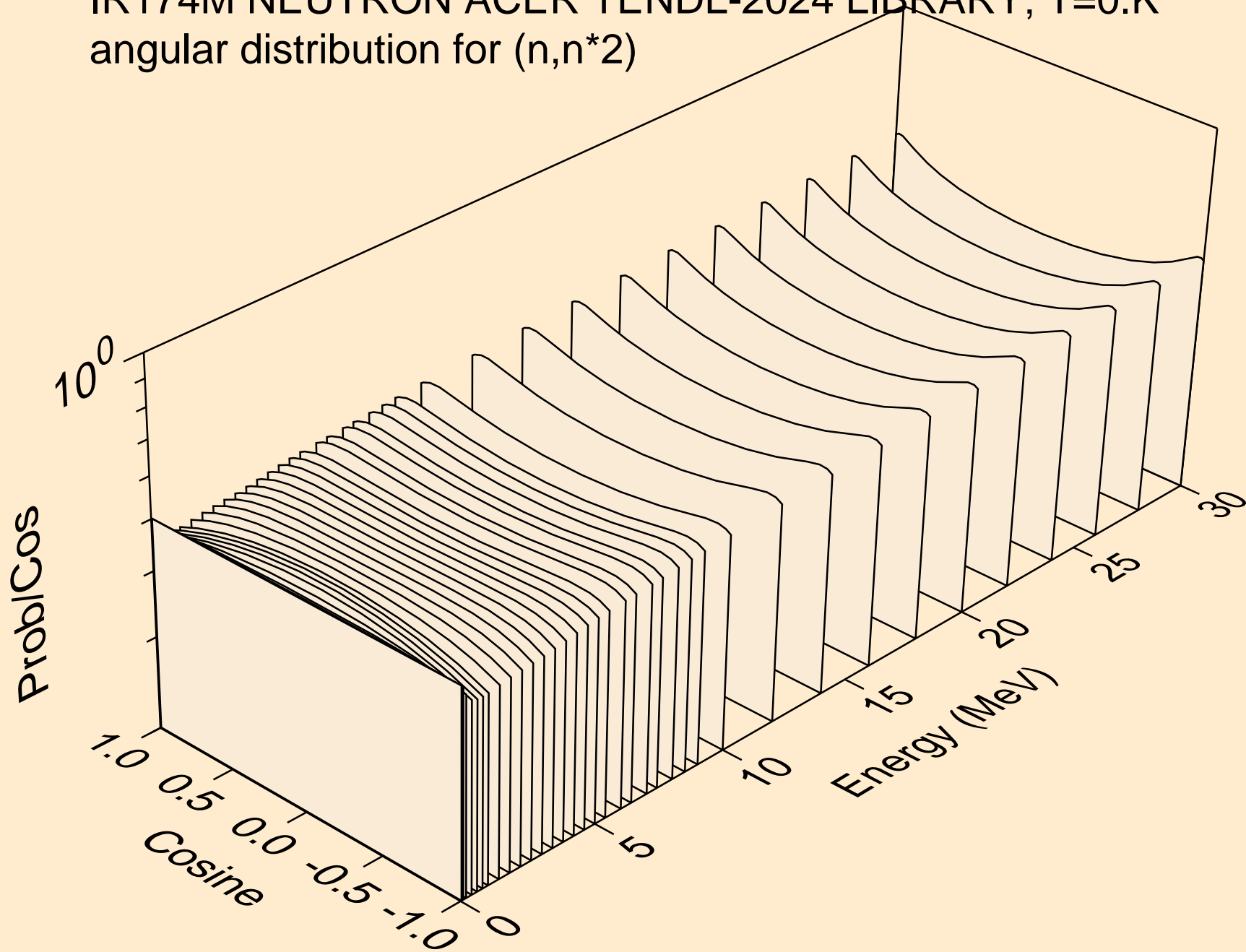


IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*1)

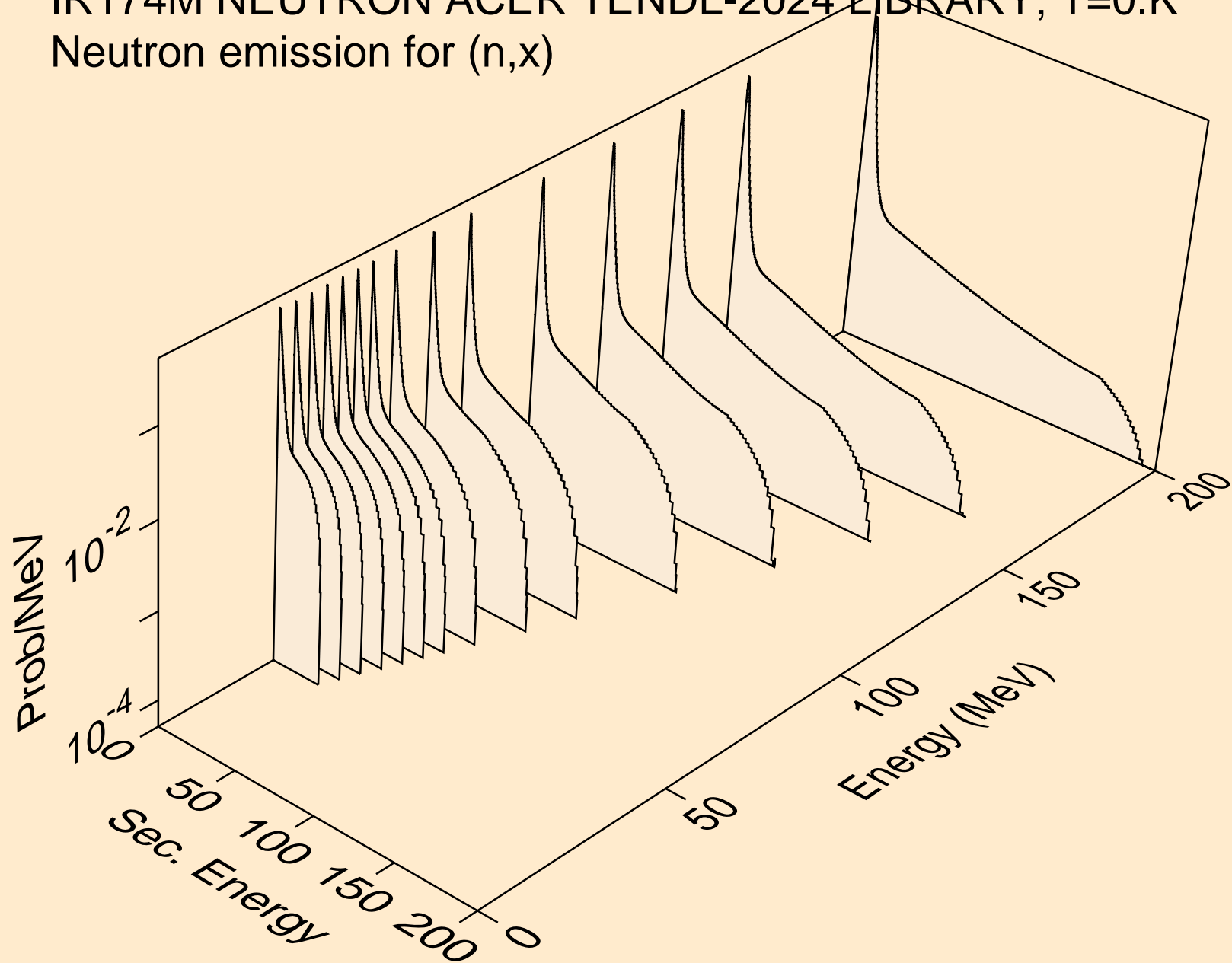




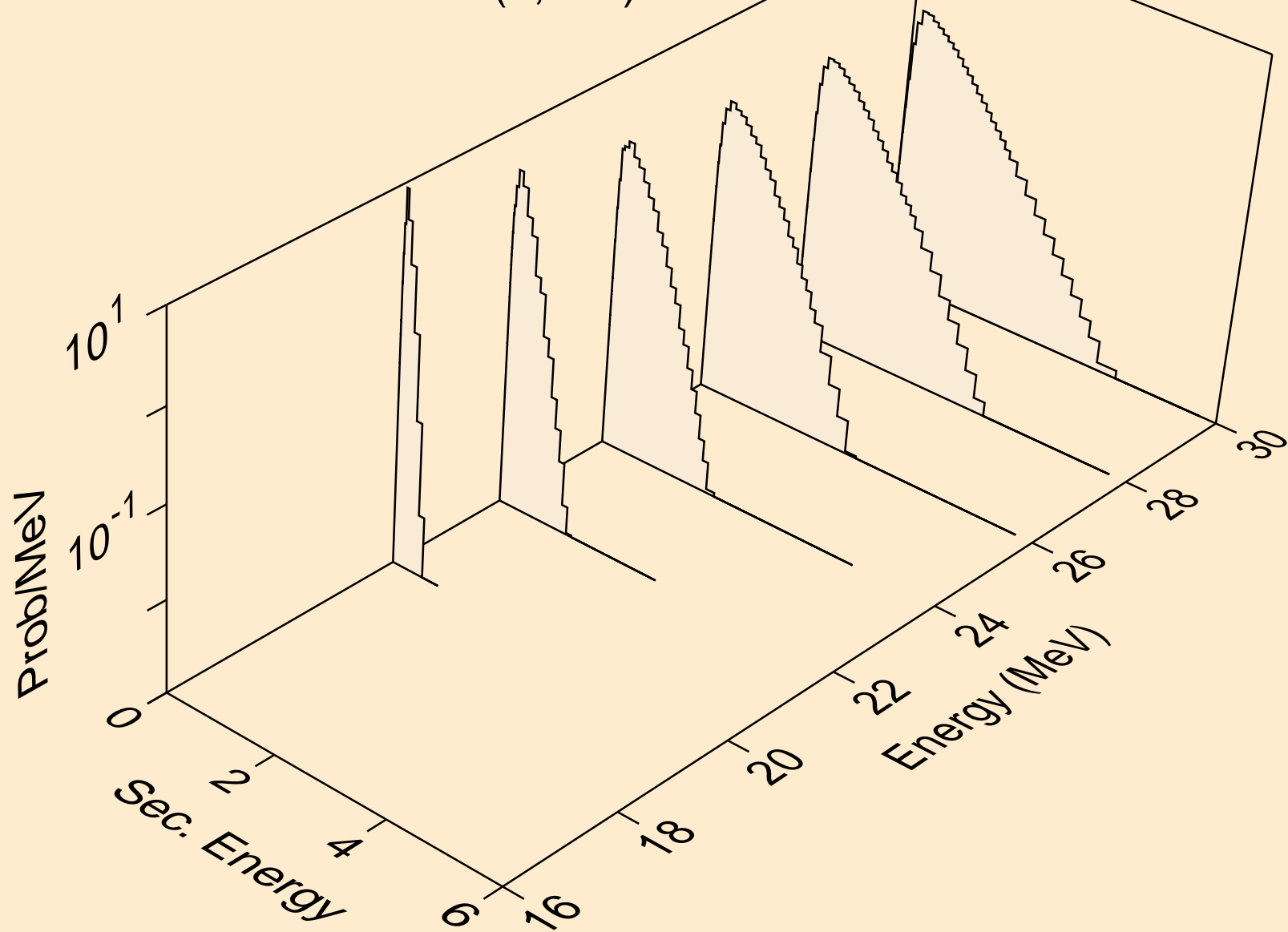
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angular distribution for (n,n\*2)



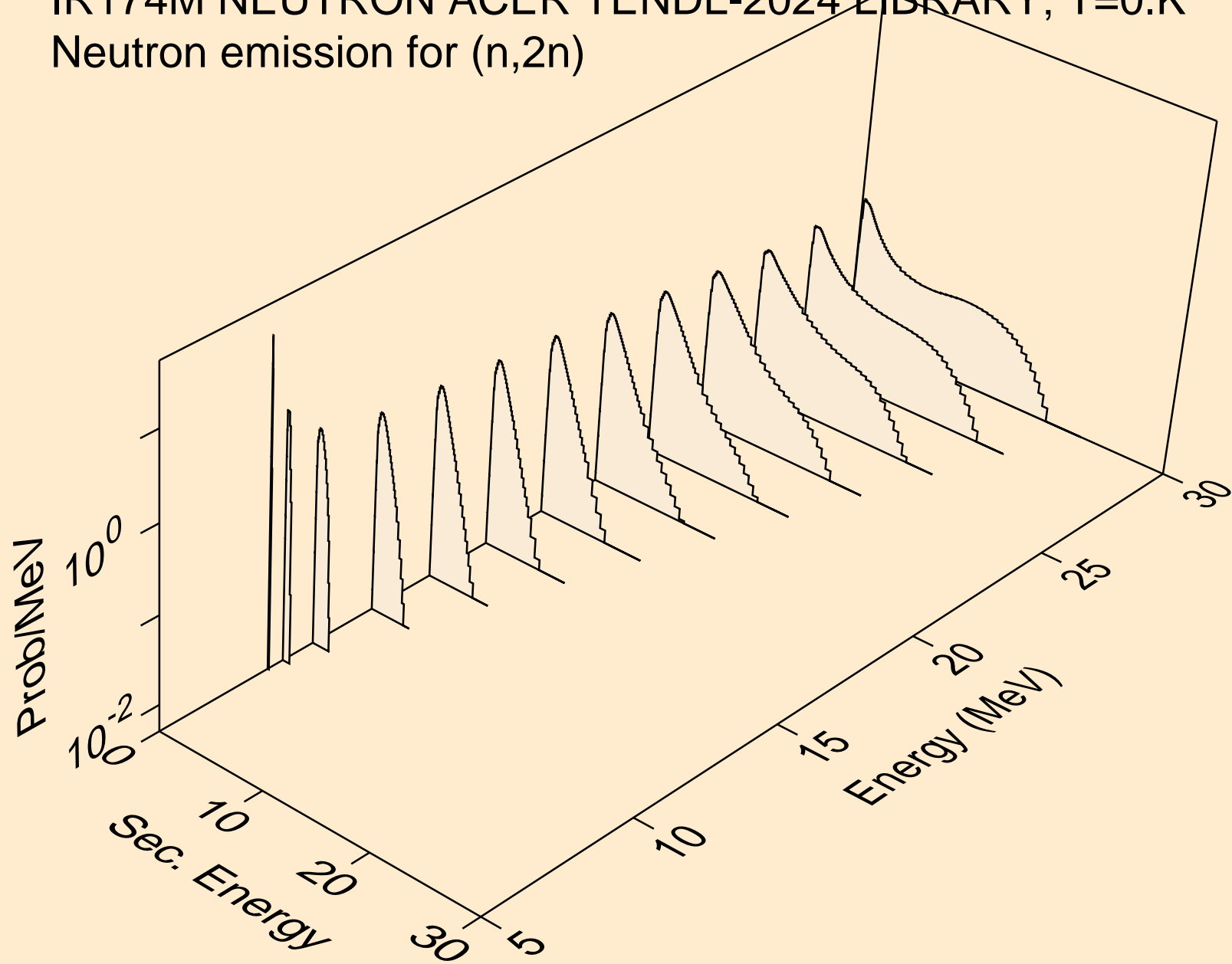
IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,x)



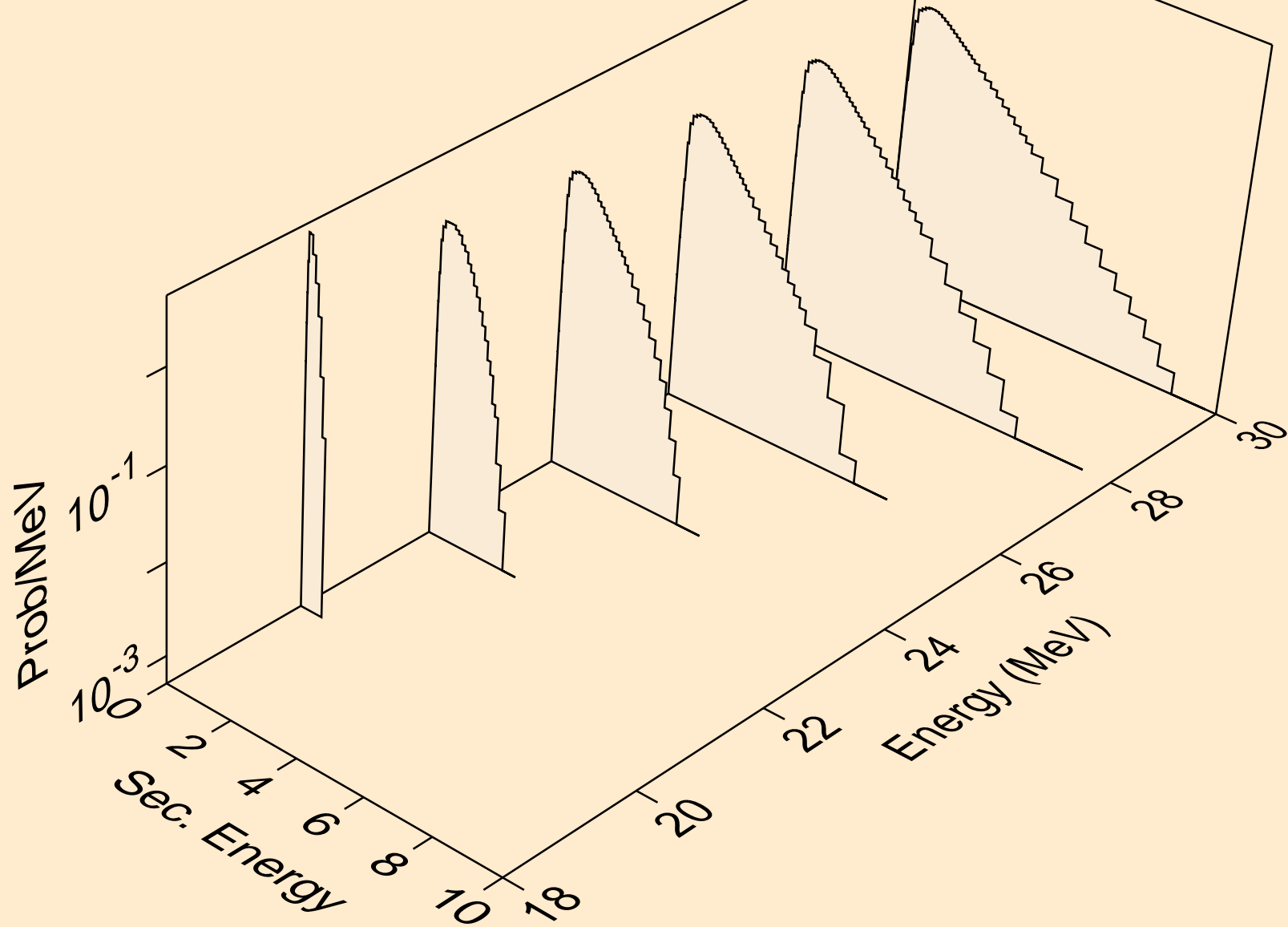
IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



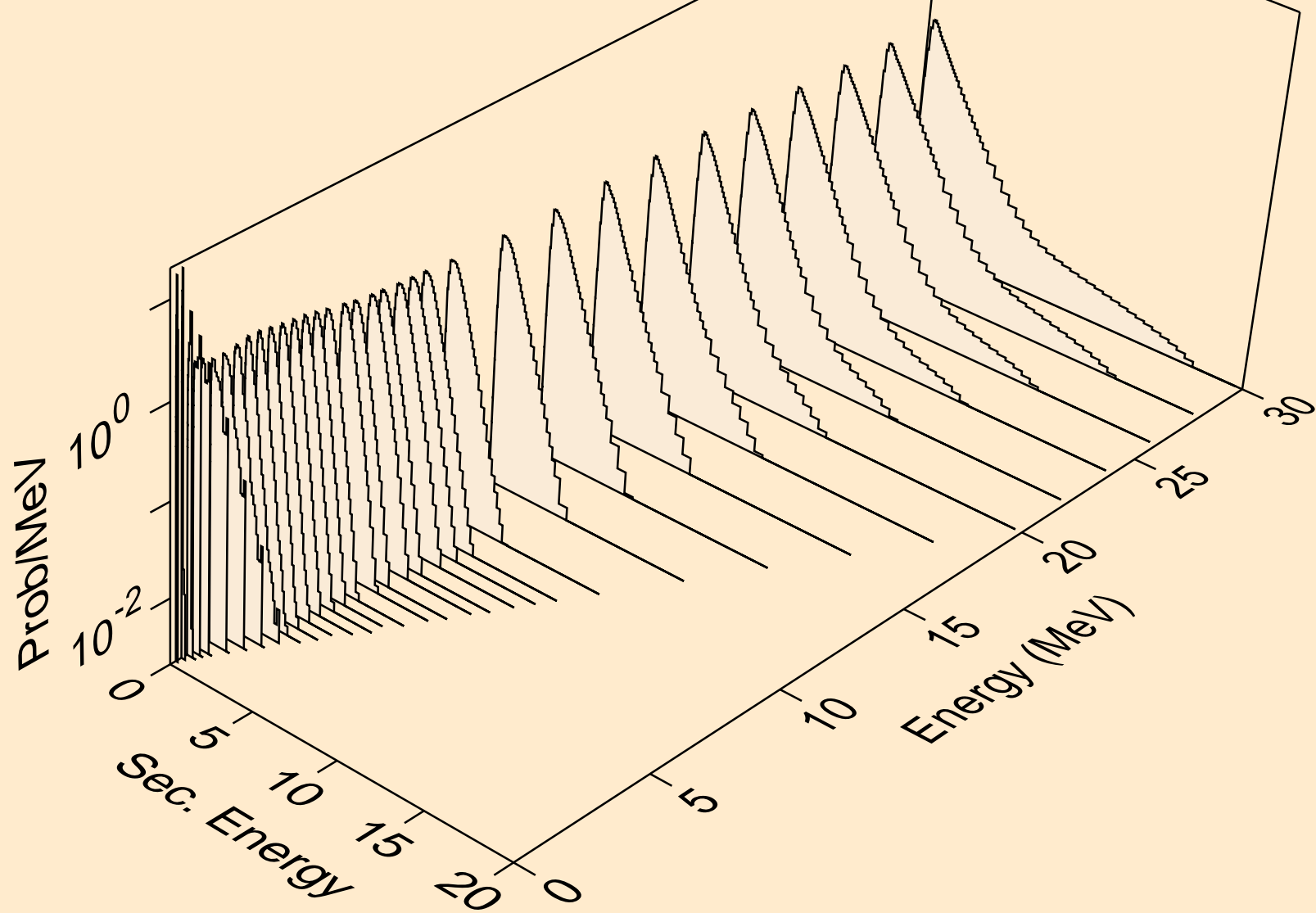
IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)



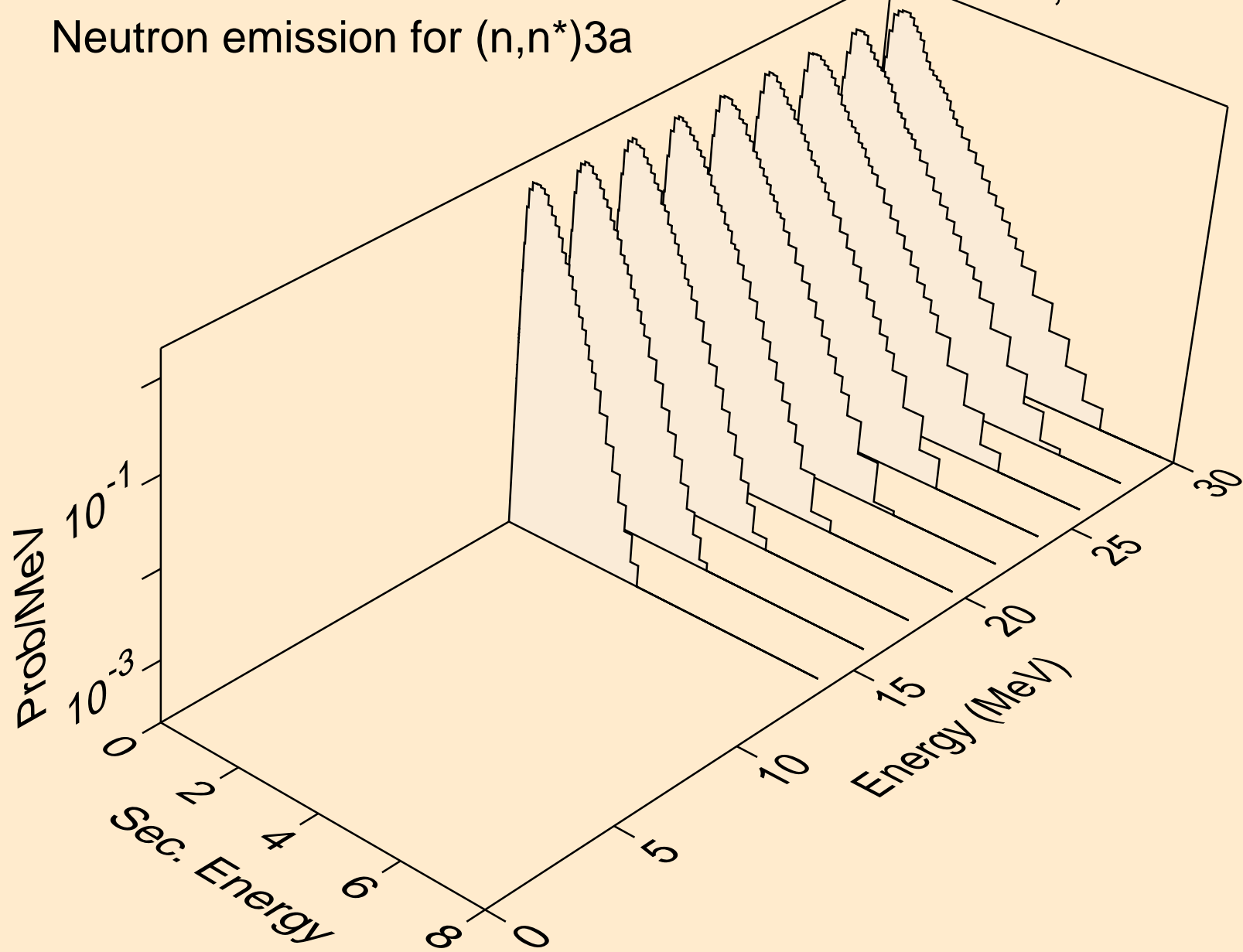
IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)



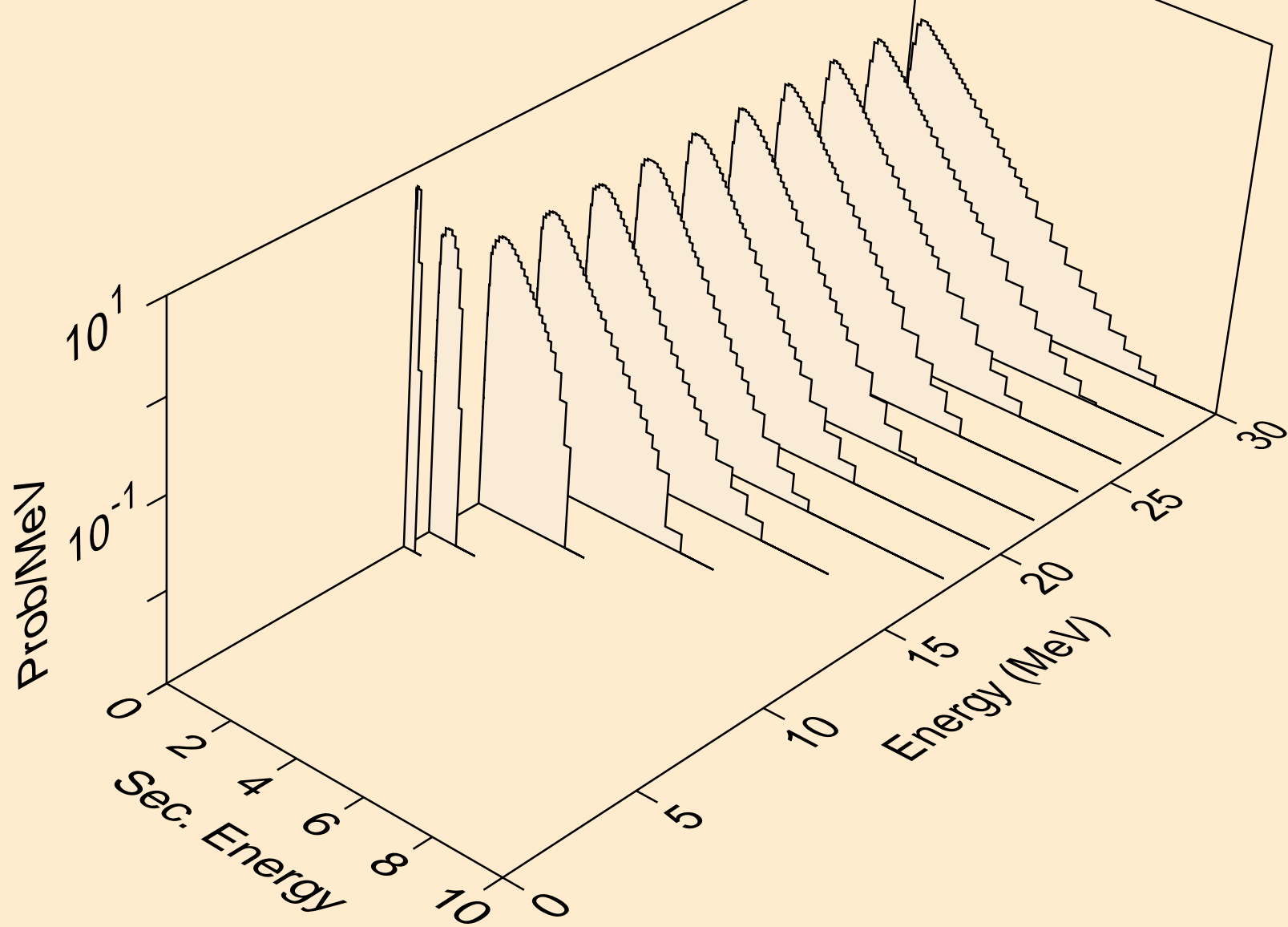
IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)3a

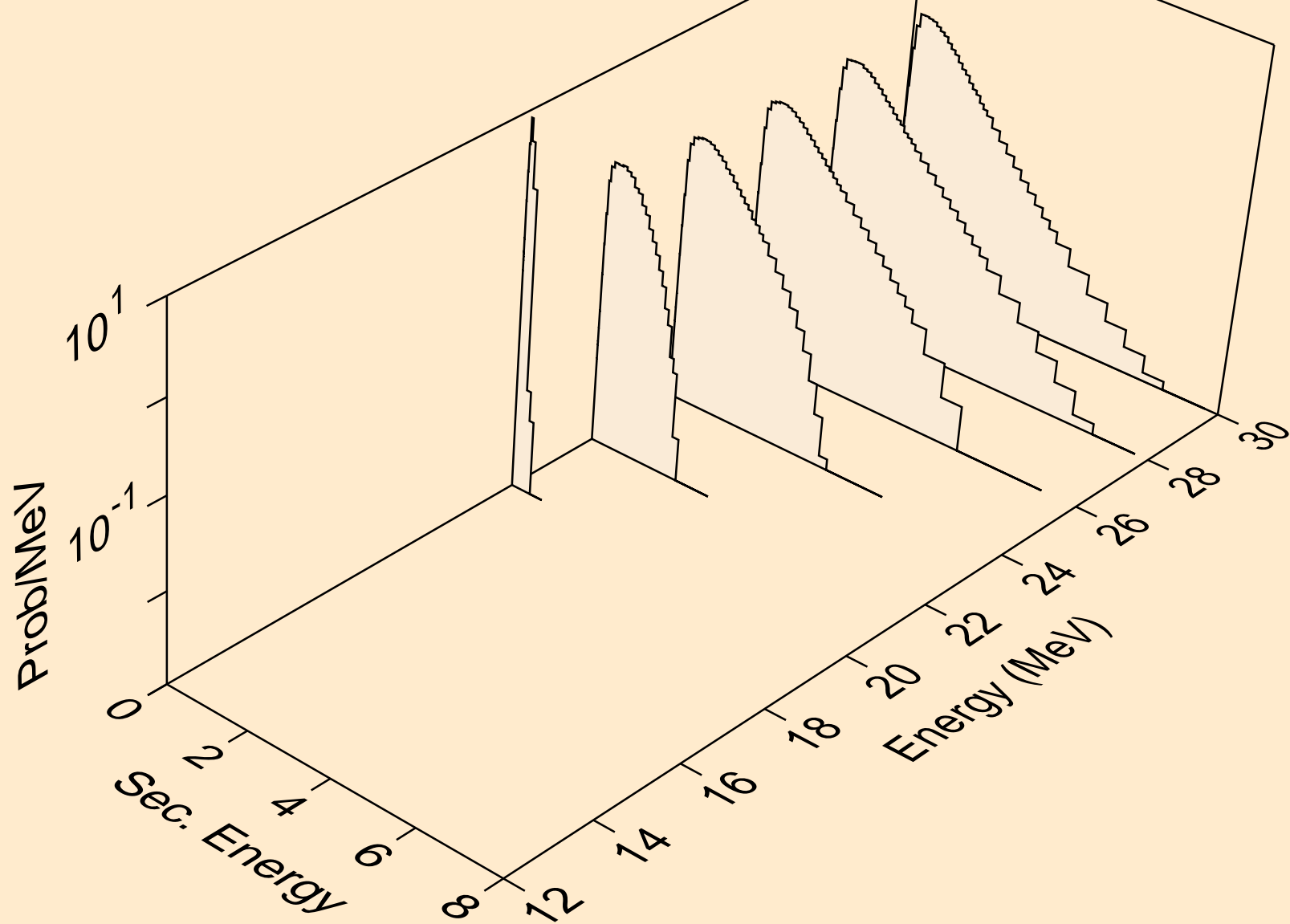


IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)a

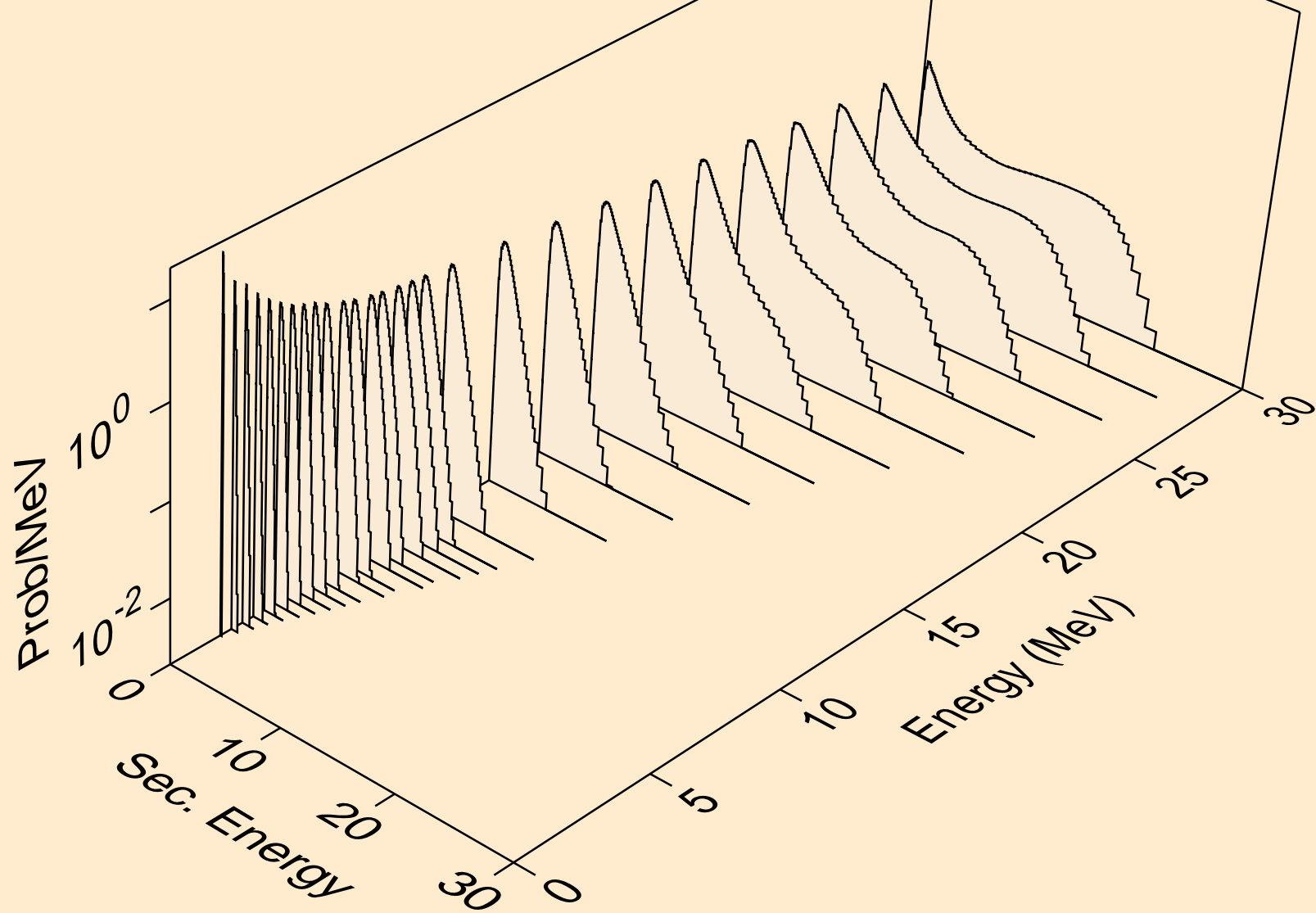




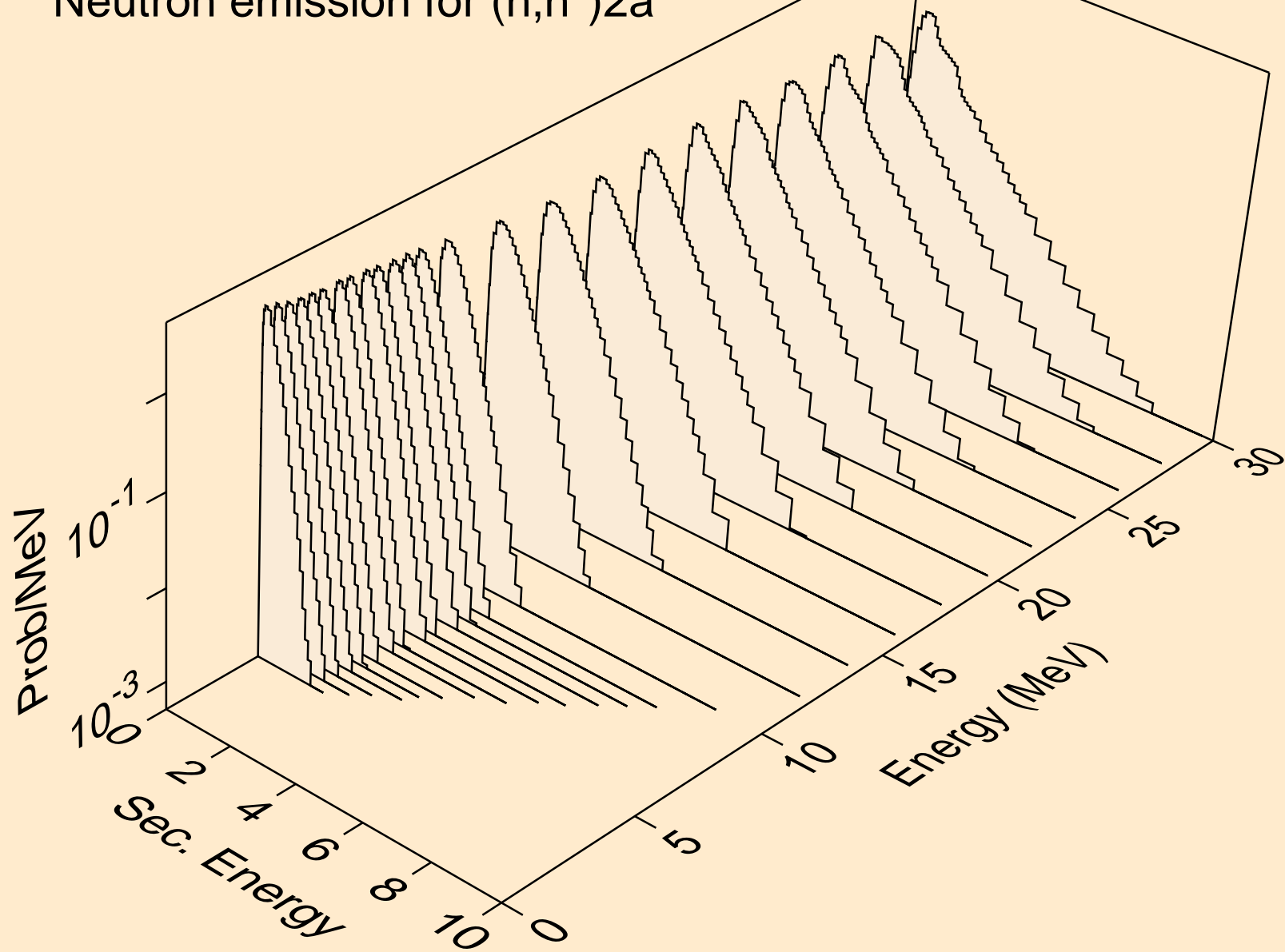
IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)a



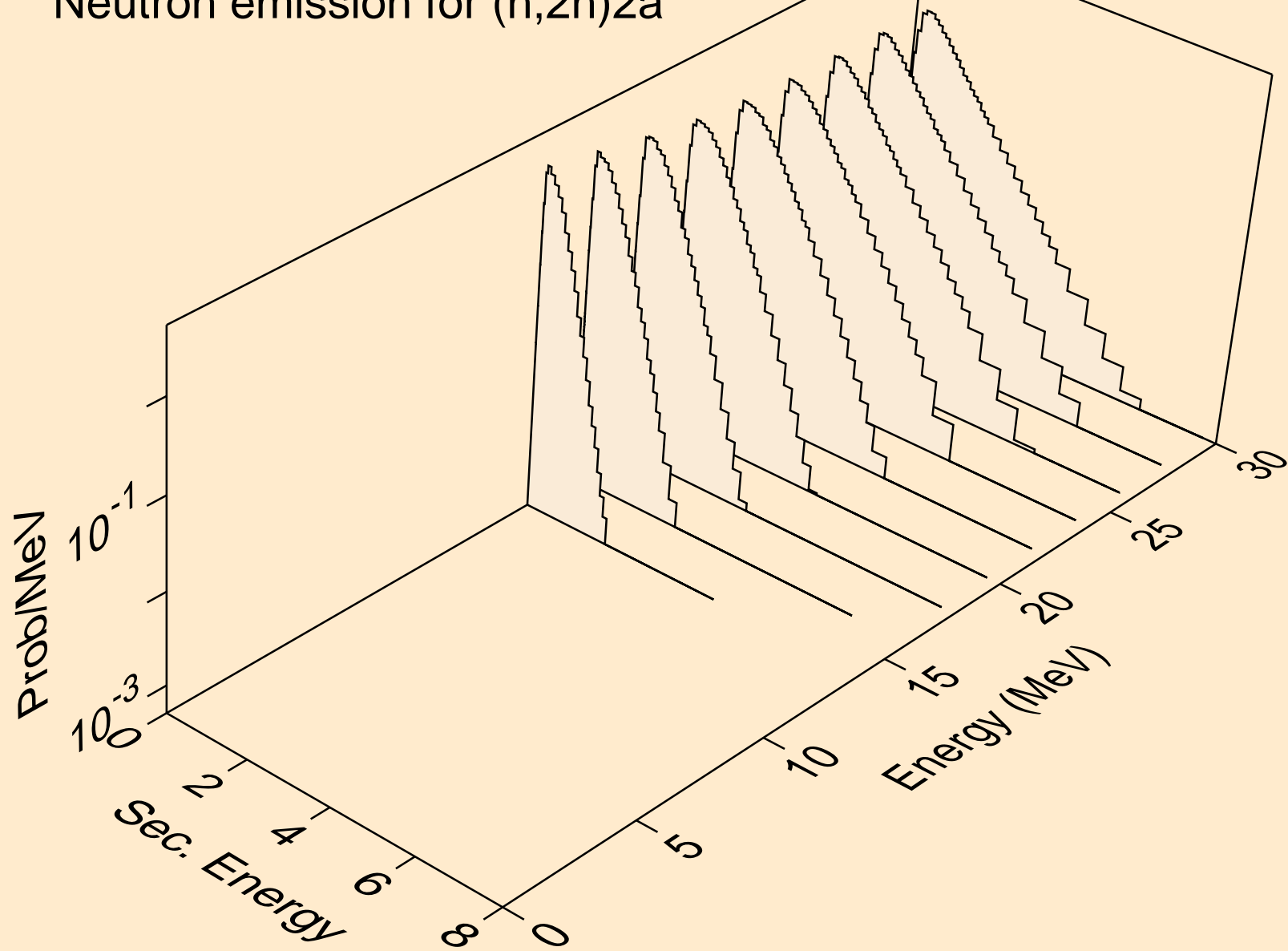
IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



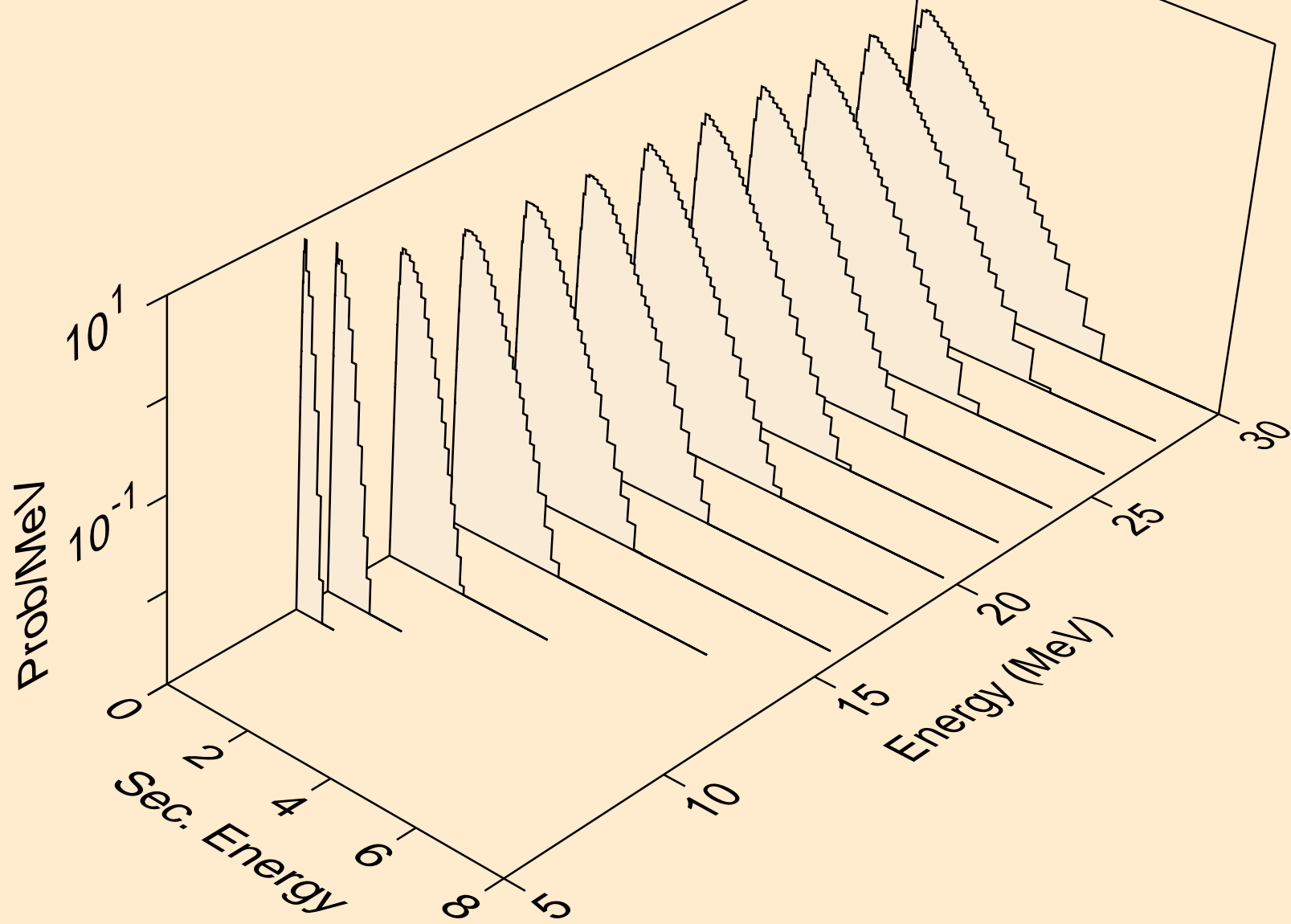
IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)2a



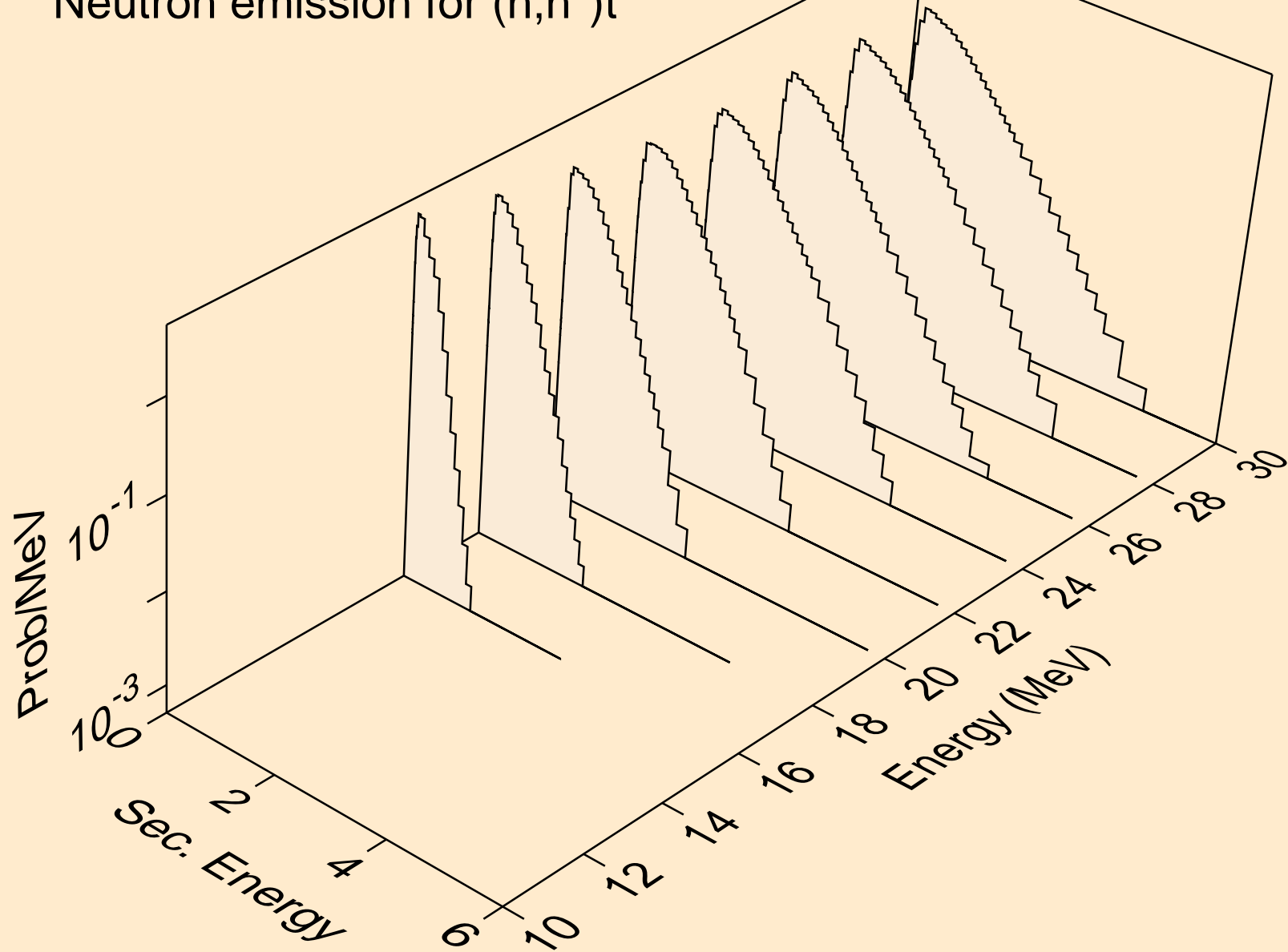
IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)2a



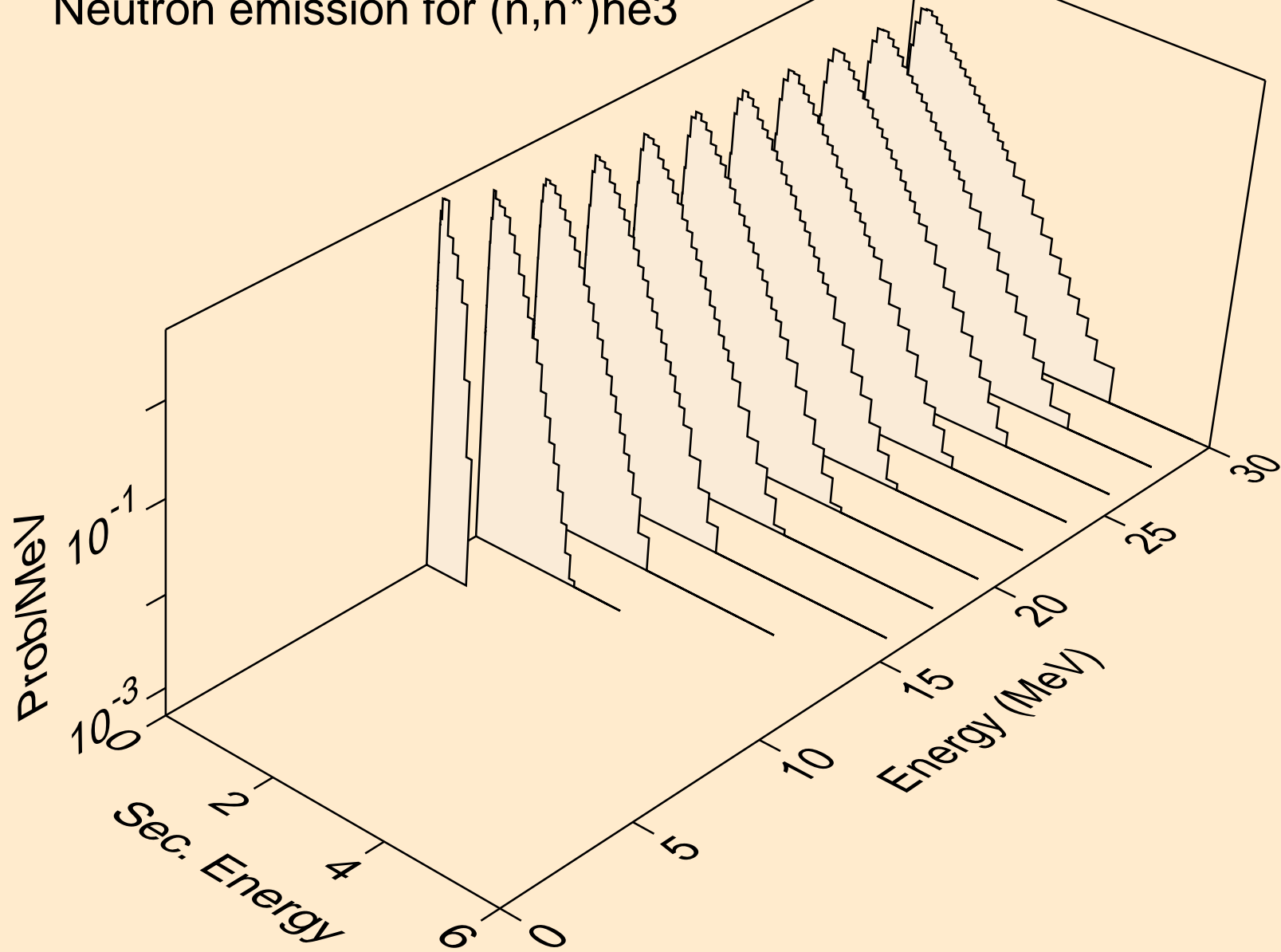
IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d



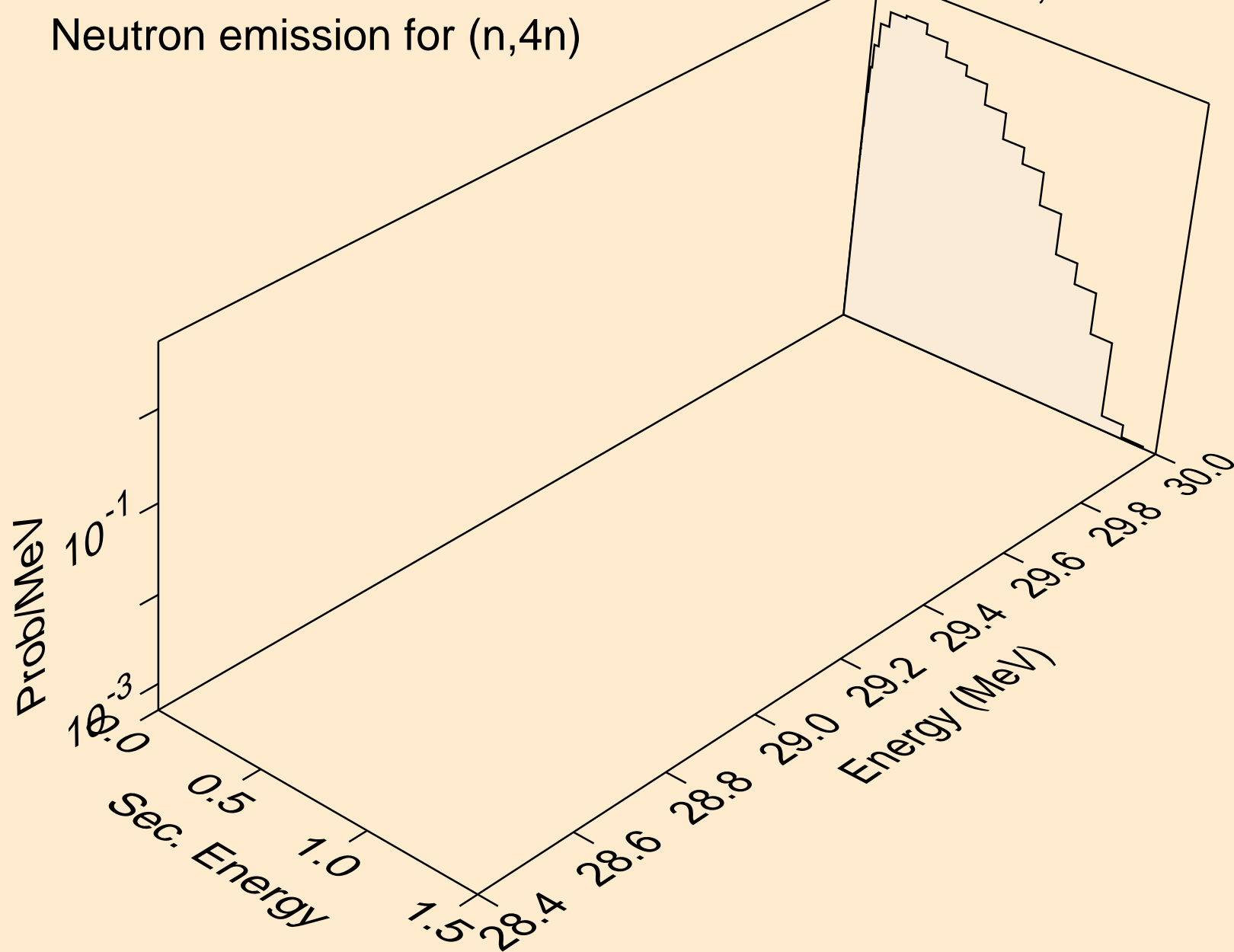
IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3

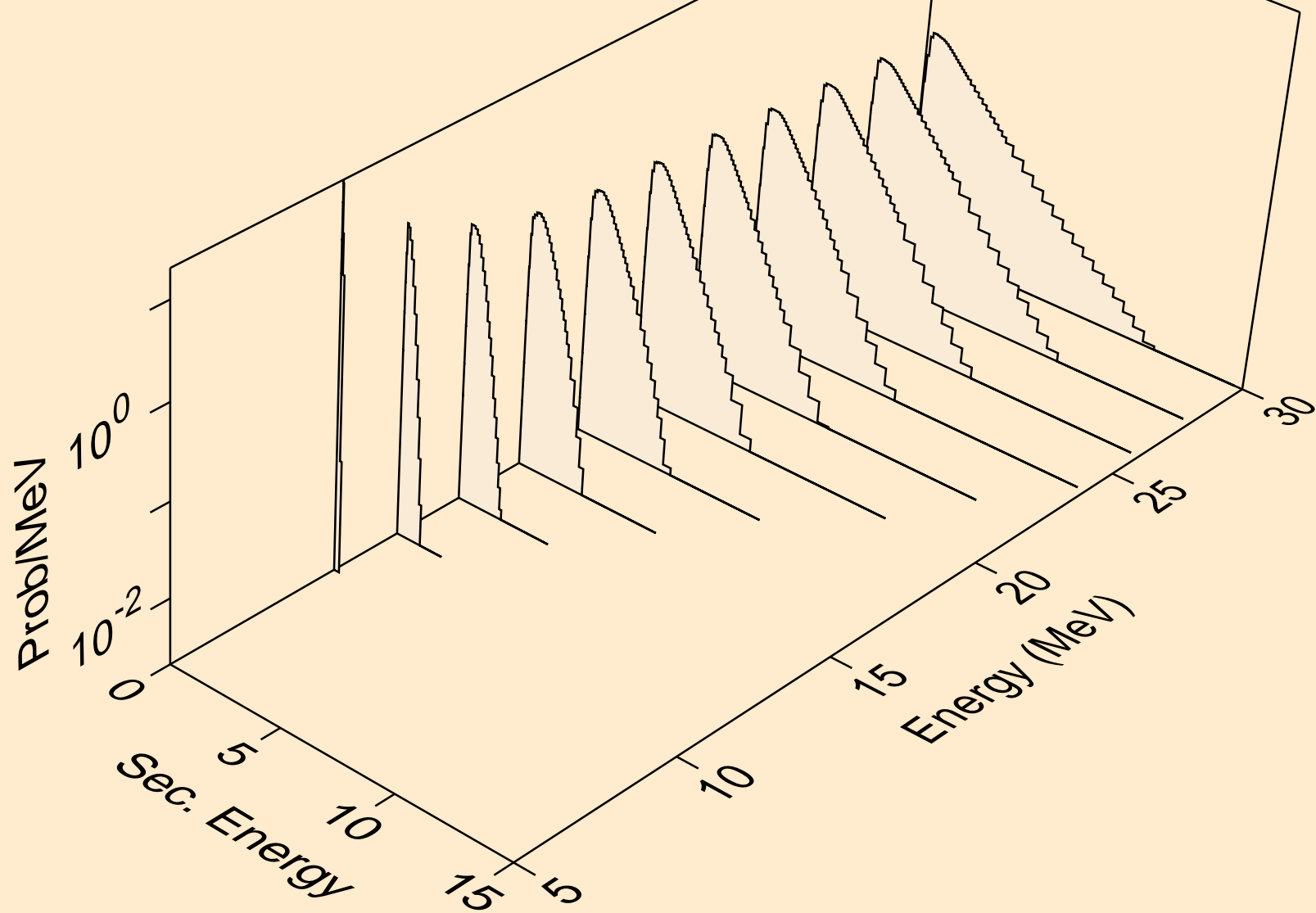


IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,4n)

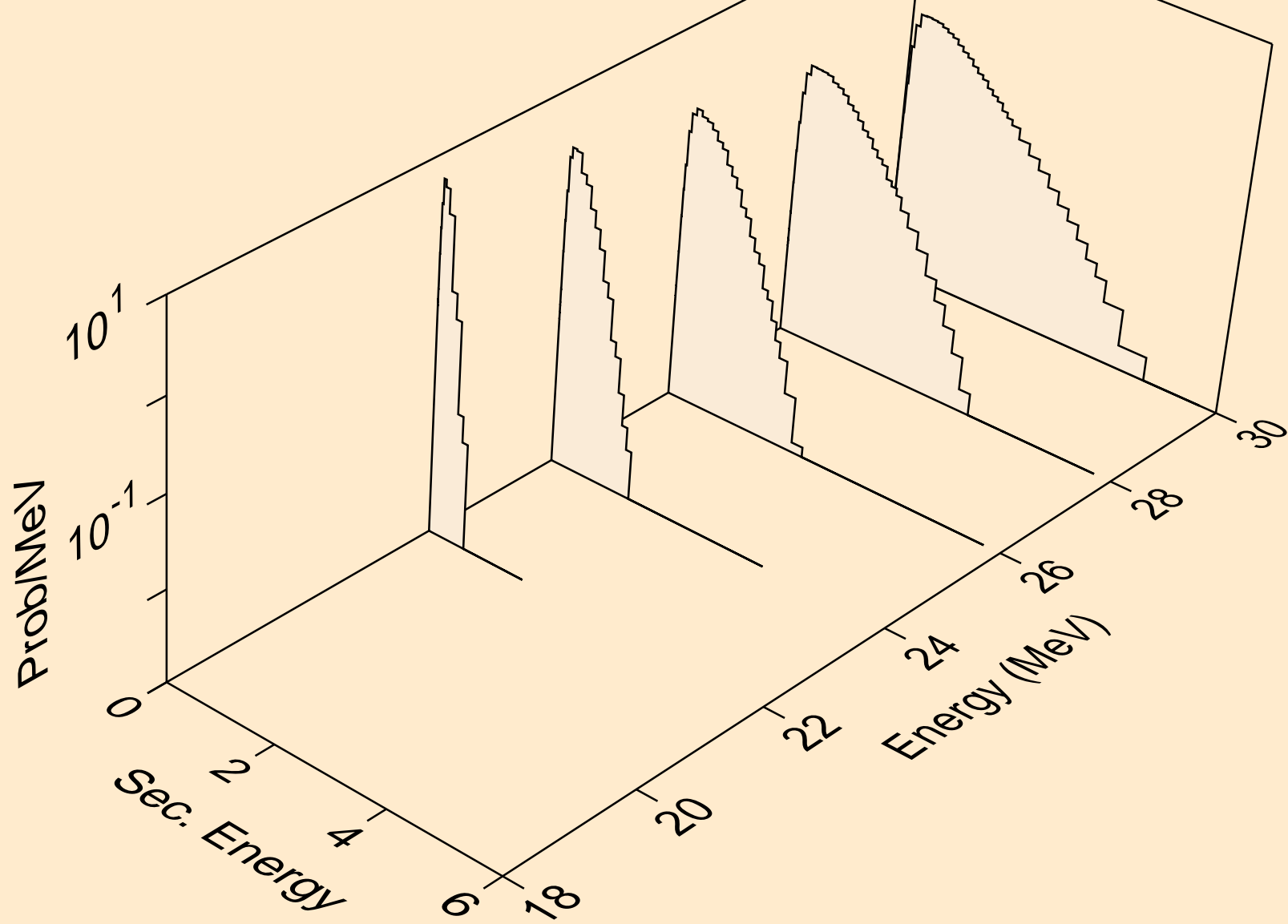




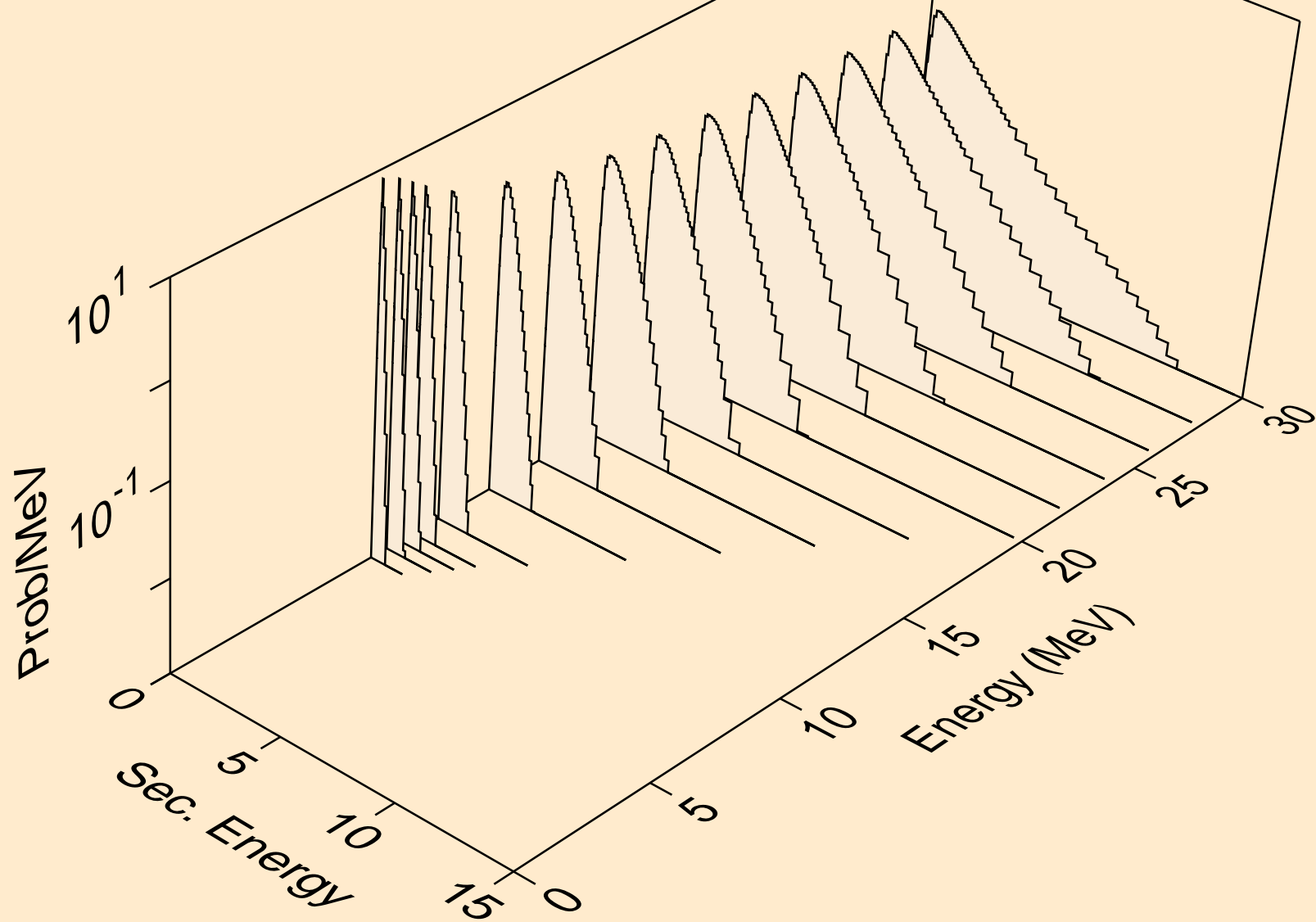
IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2np)



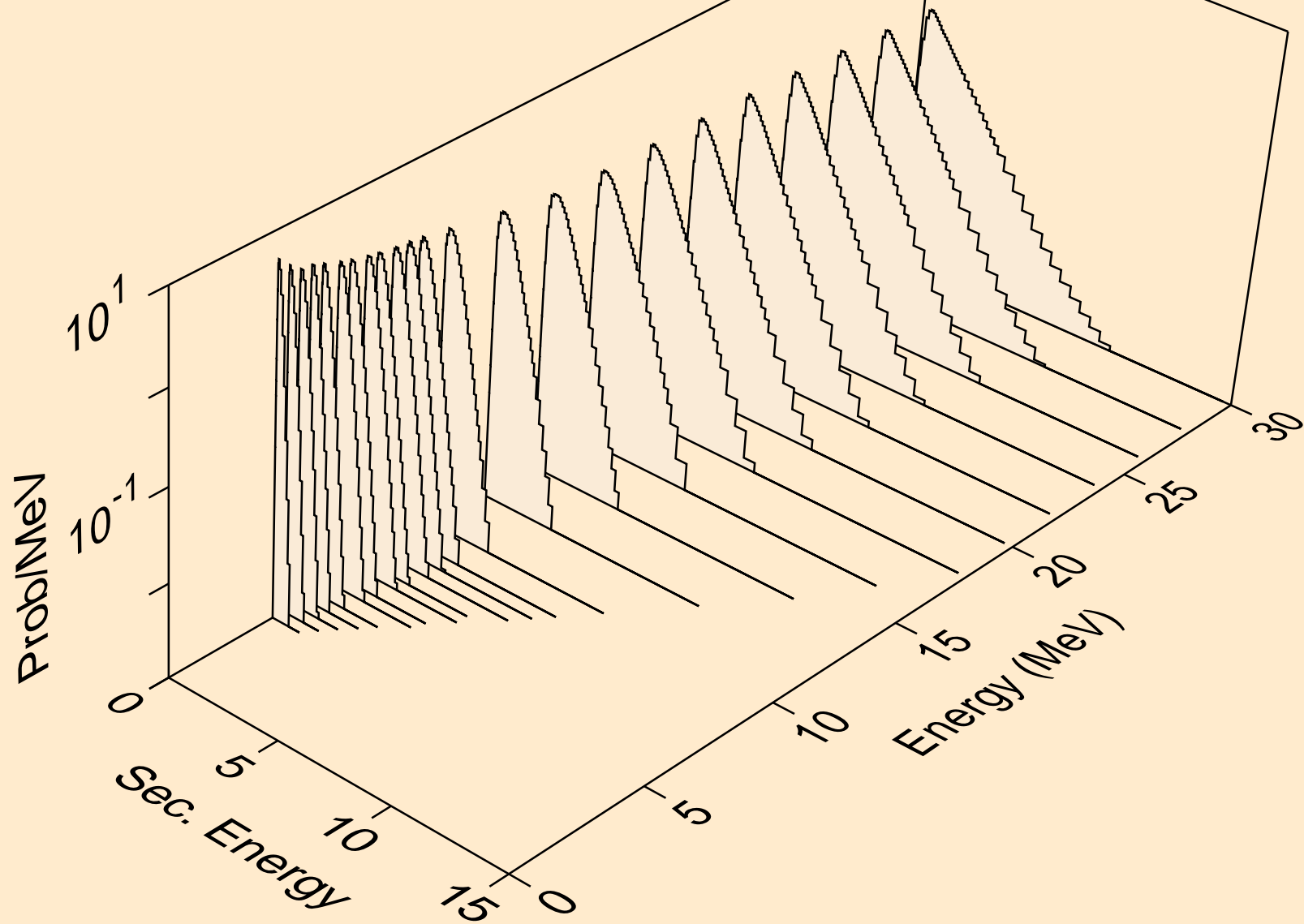
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Neutron emission for (n,3np)



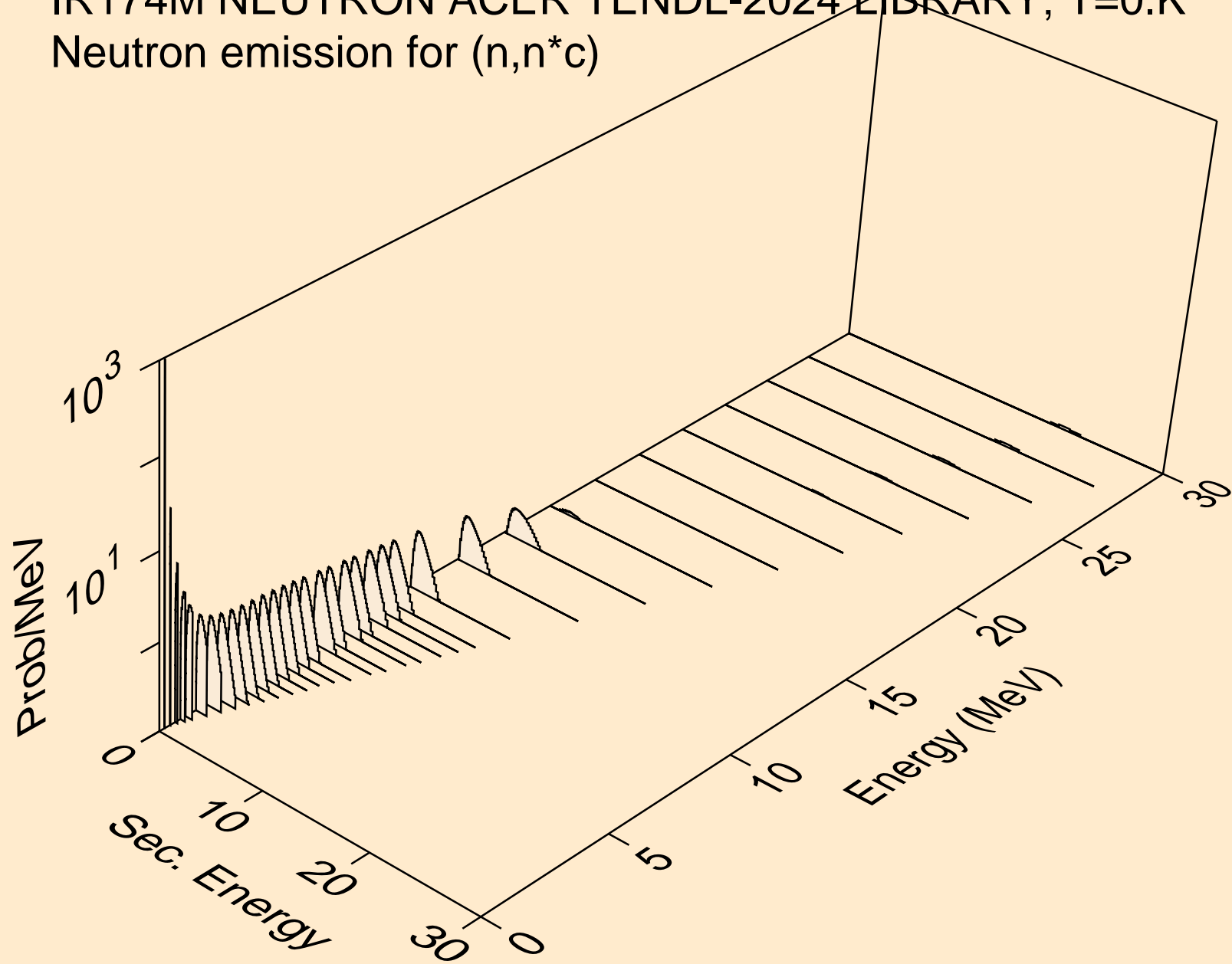
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Neutron emission for (n,n2p)



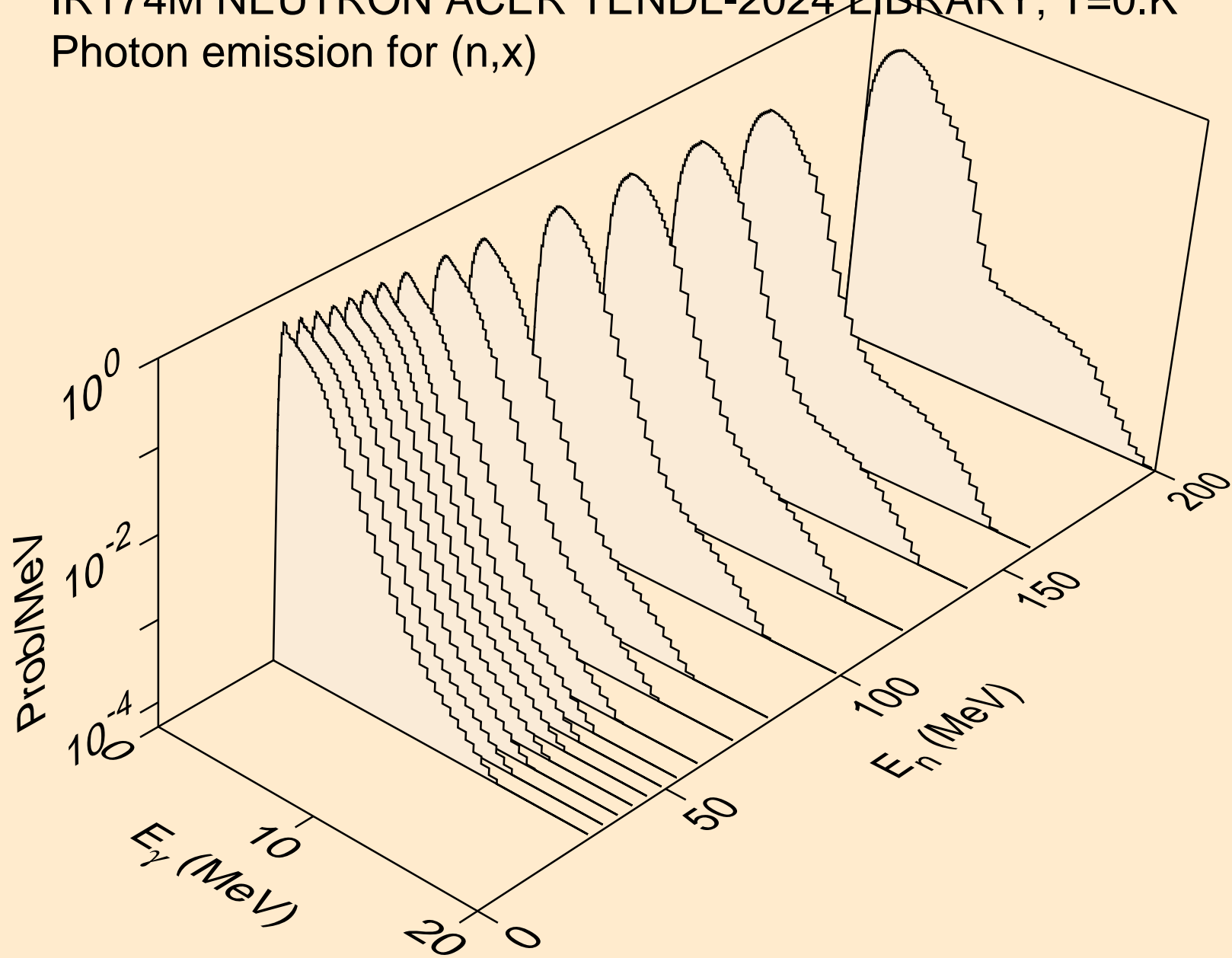
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Neutron emission for (n,npa)



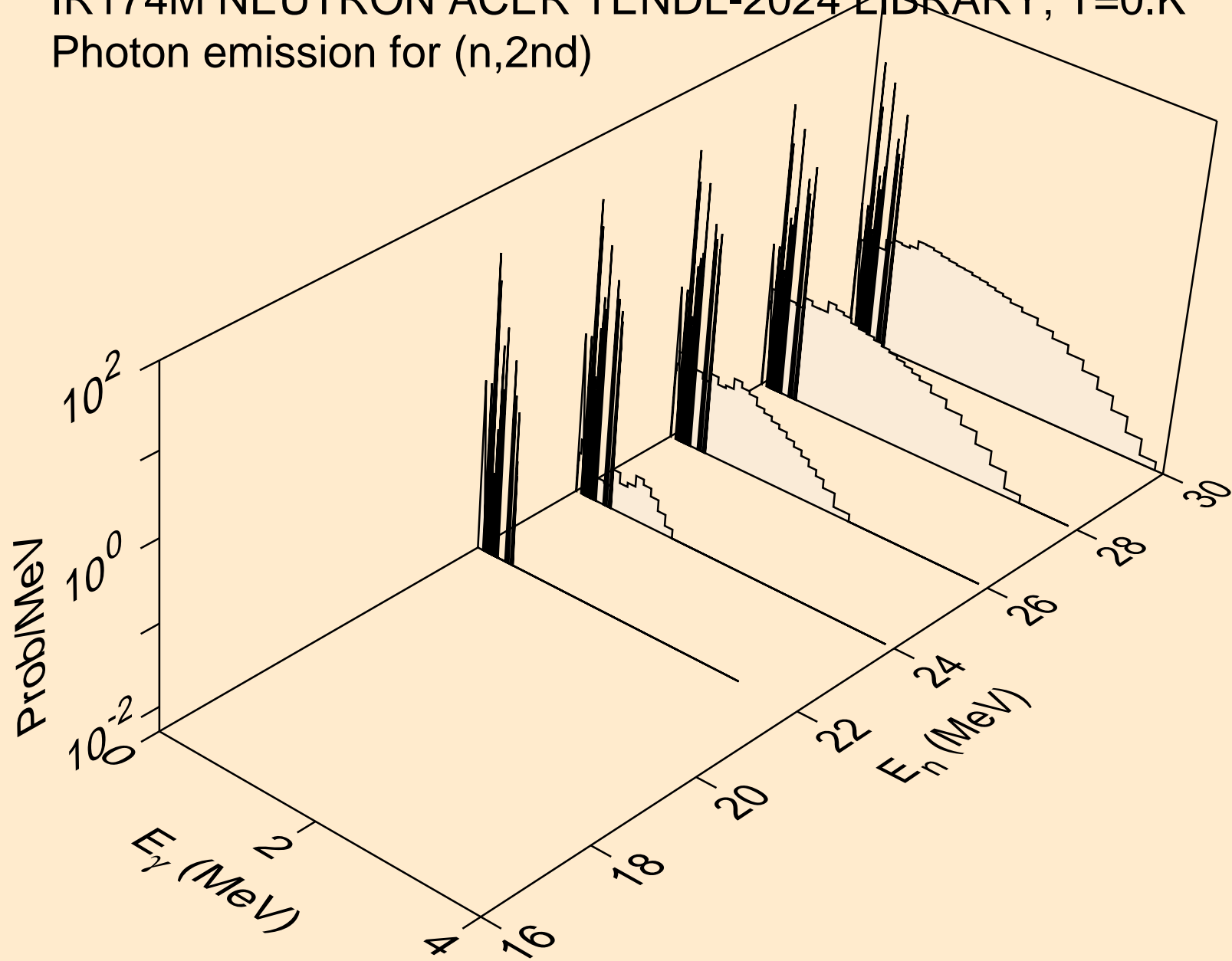
IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)



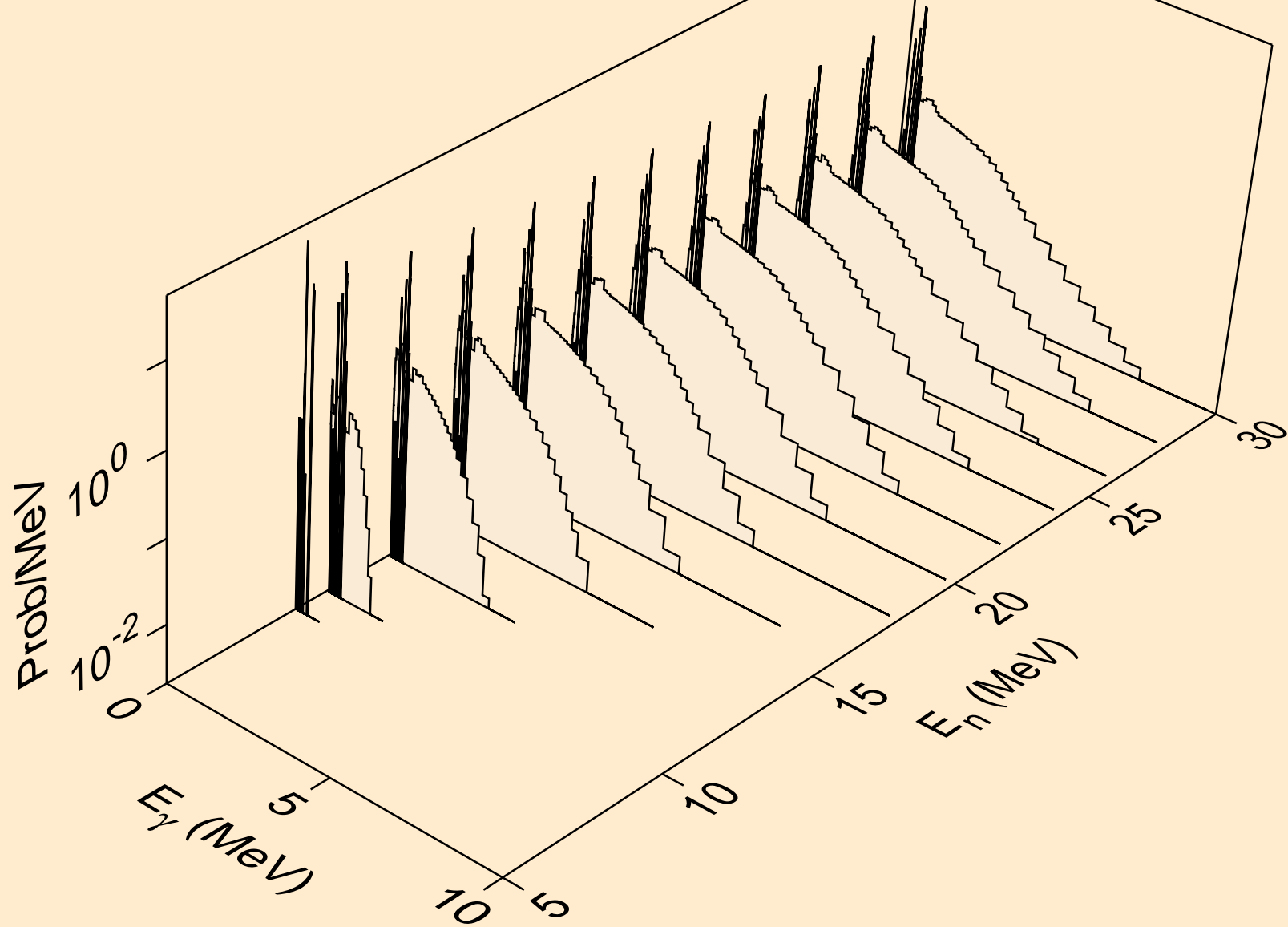
IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,x)



IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2nd)

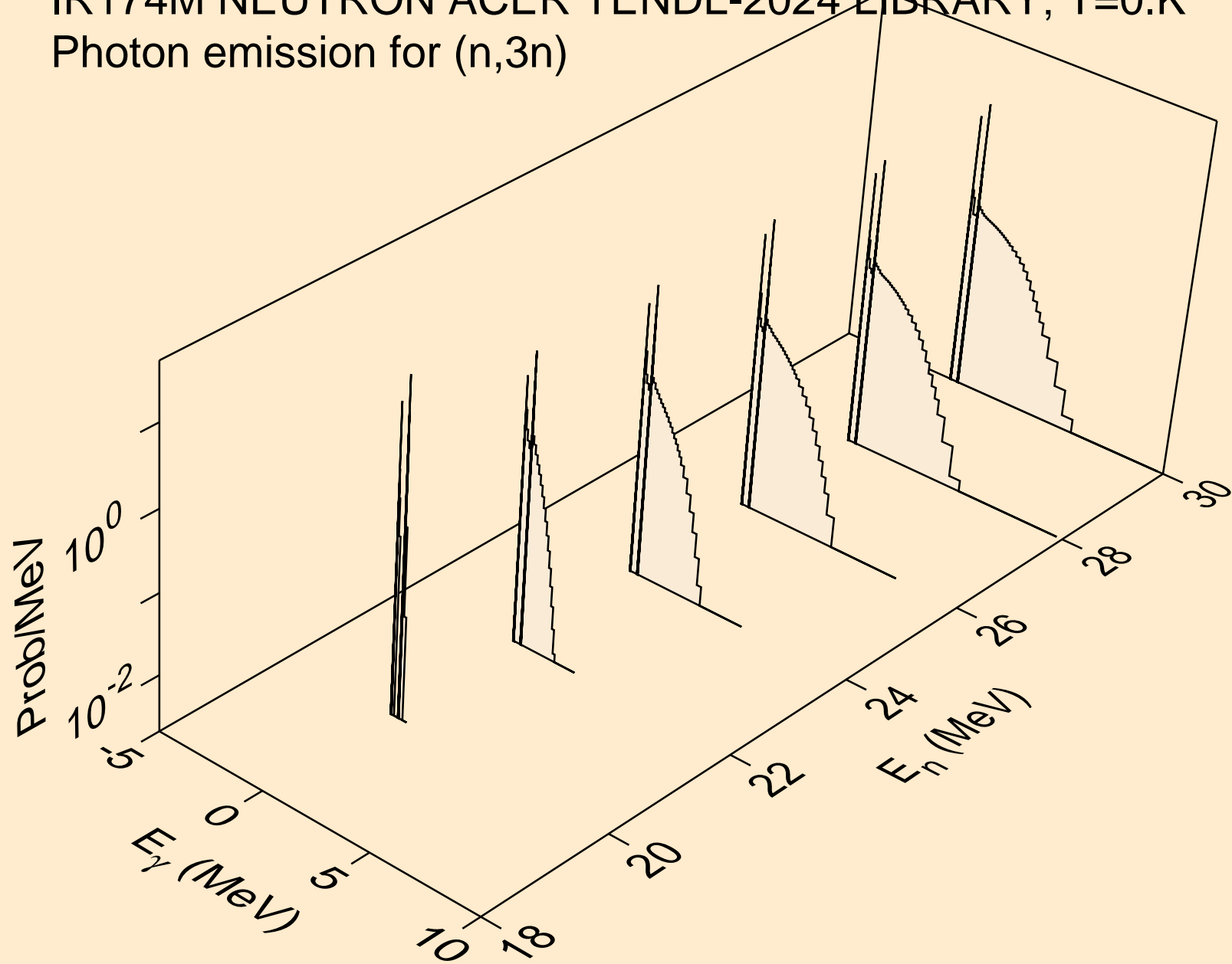


IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)

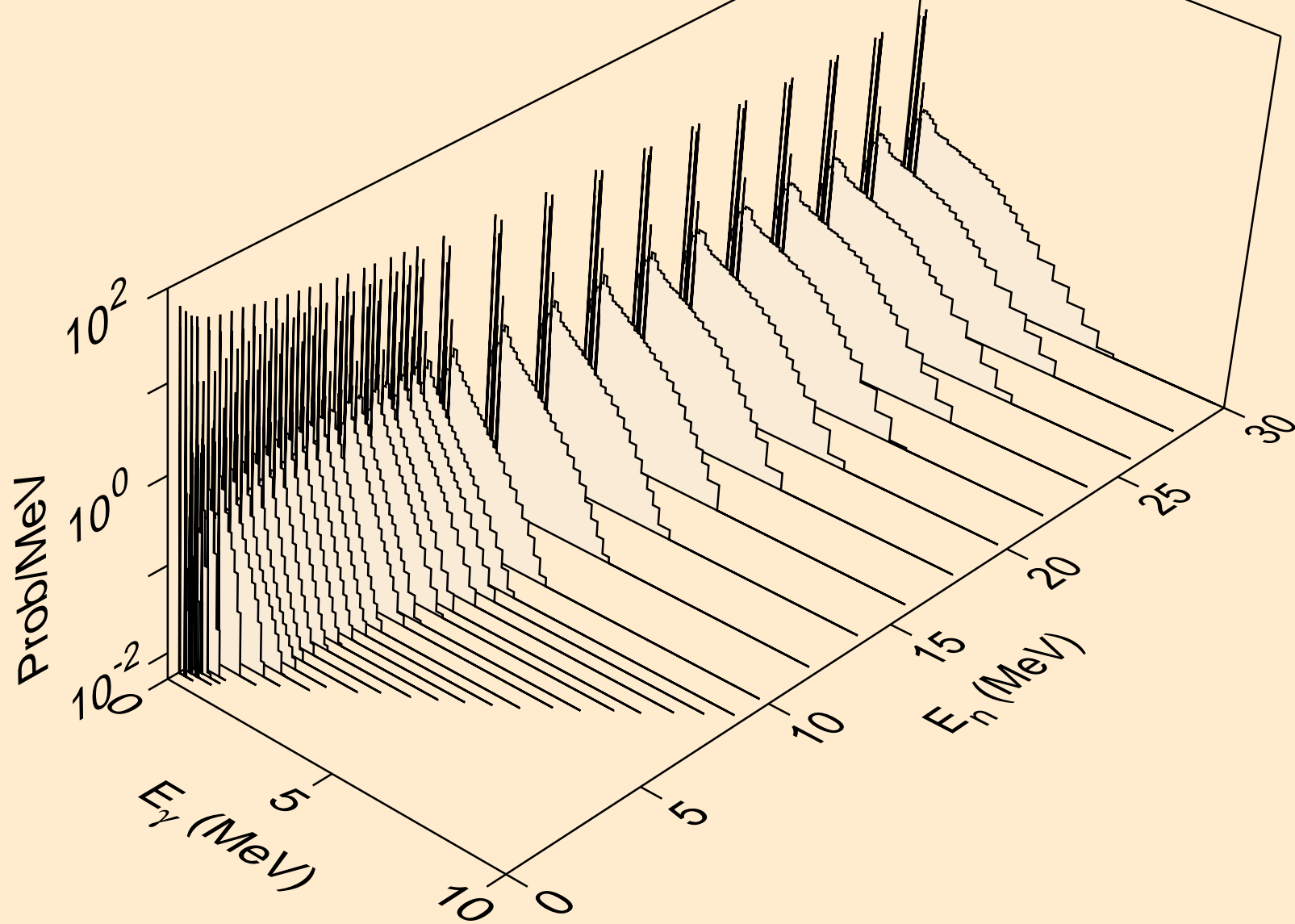




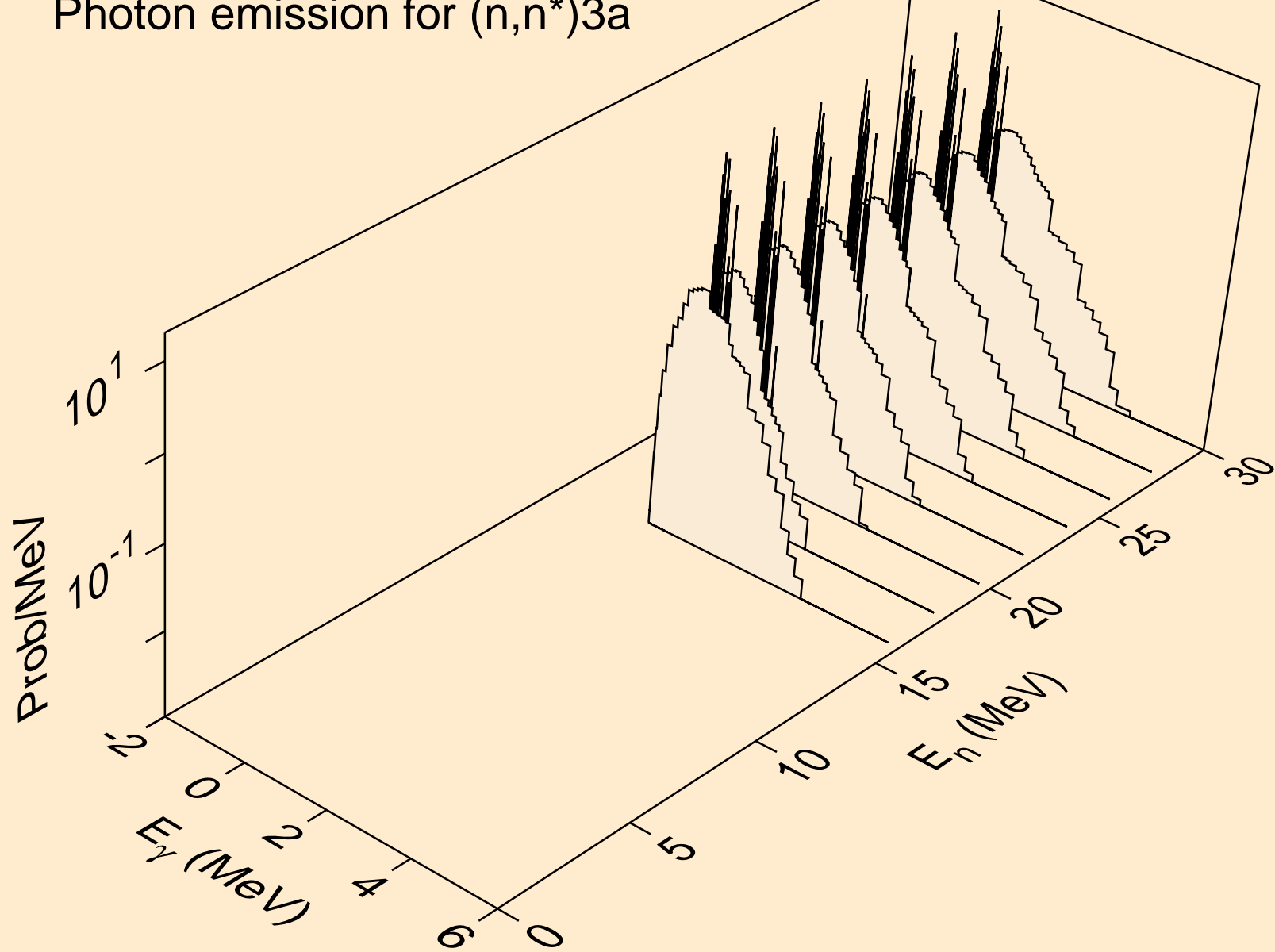
IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)



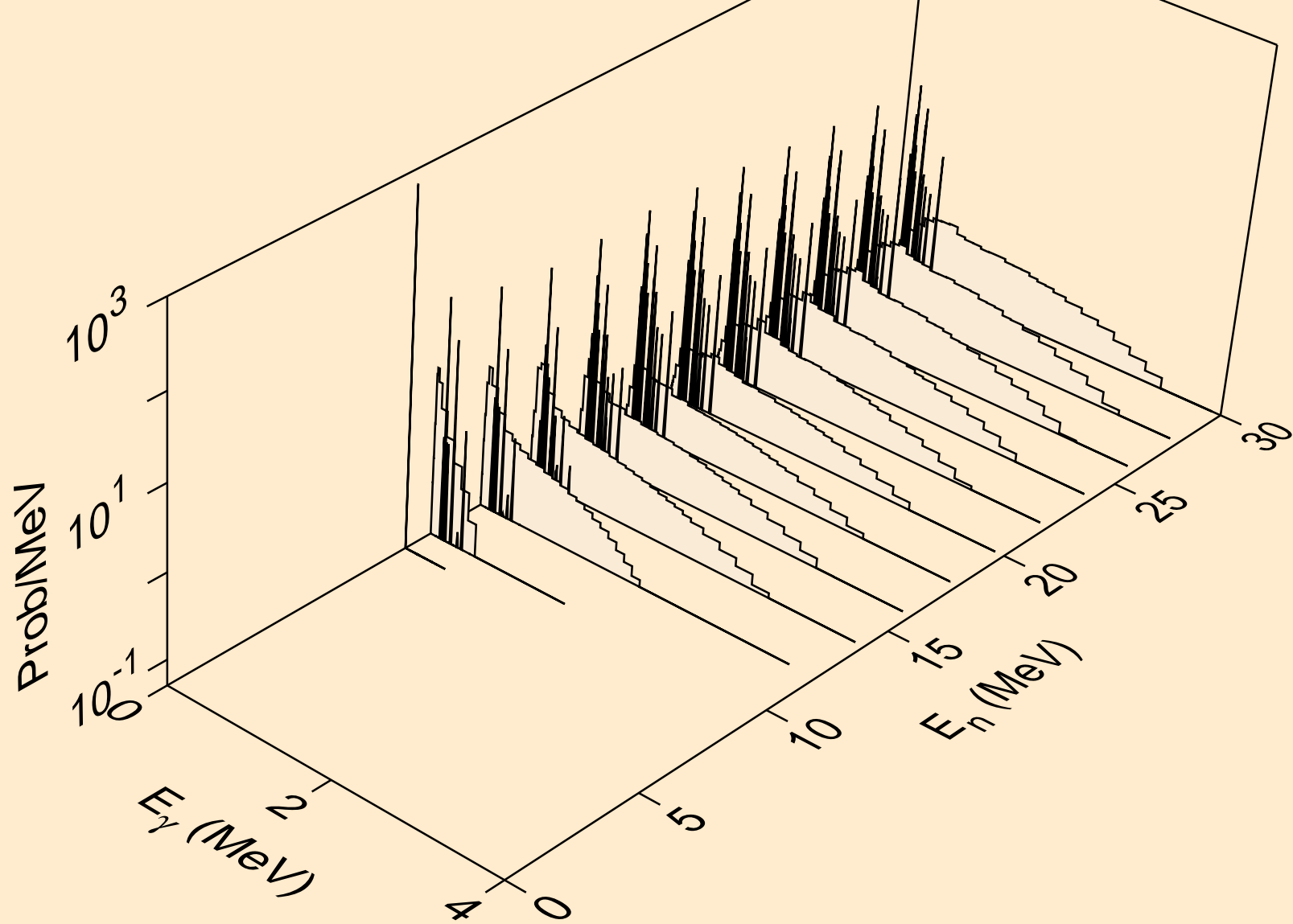
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Photon emission for (n,n\*)a



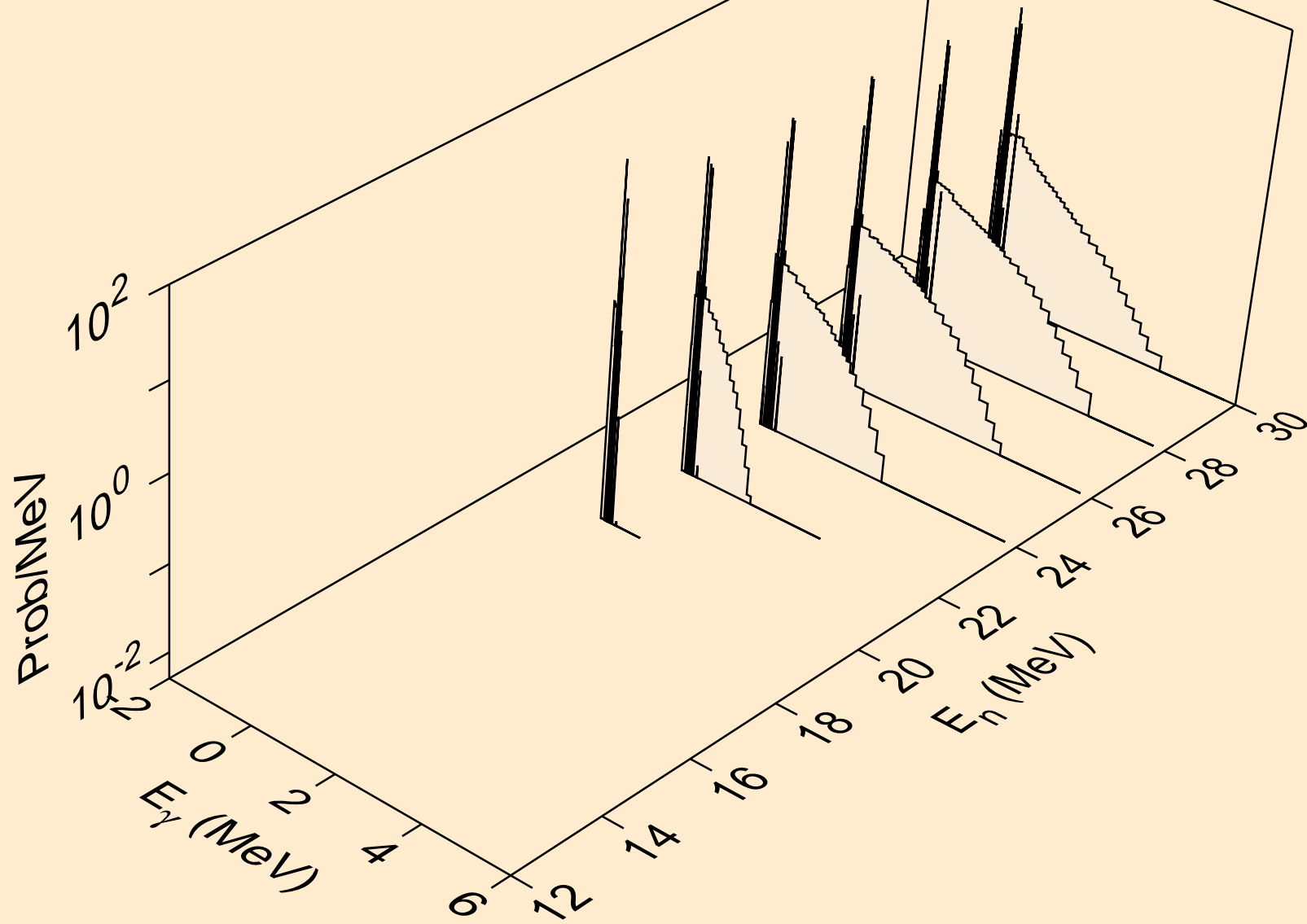
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Photon emission for (n,n\*)3a



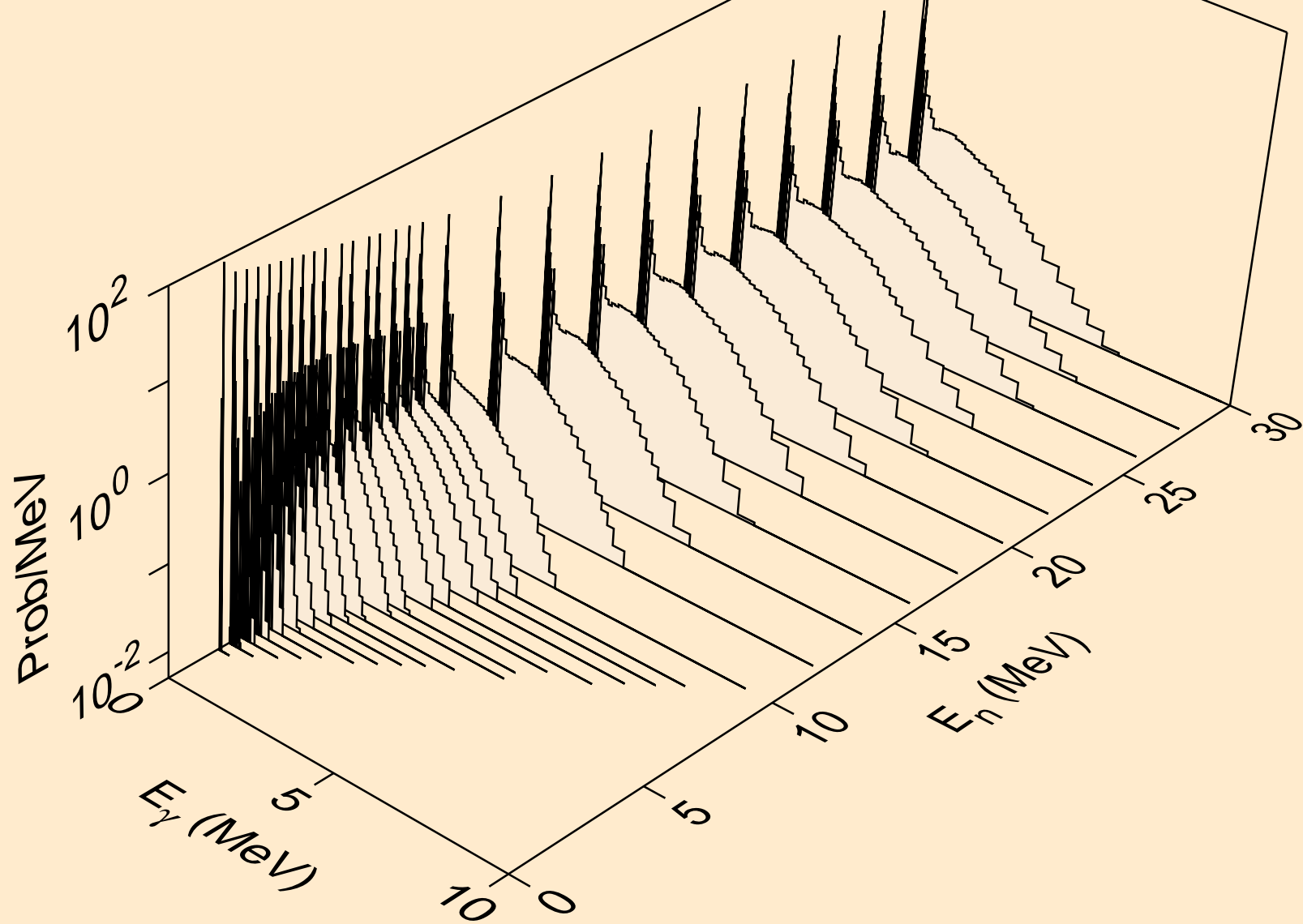
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Photon emission for (n,2n)a



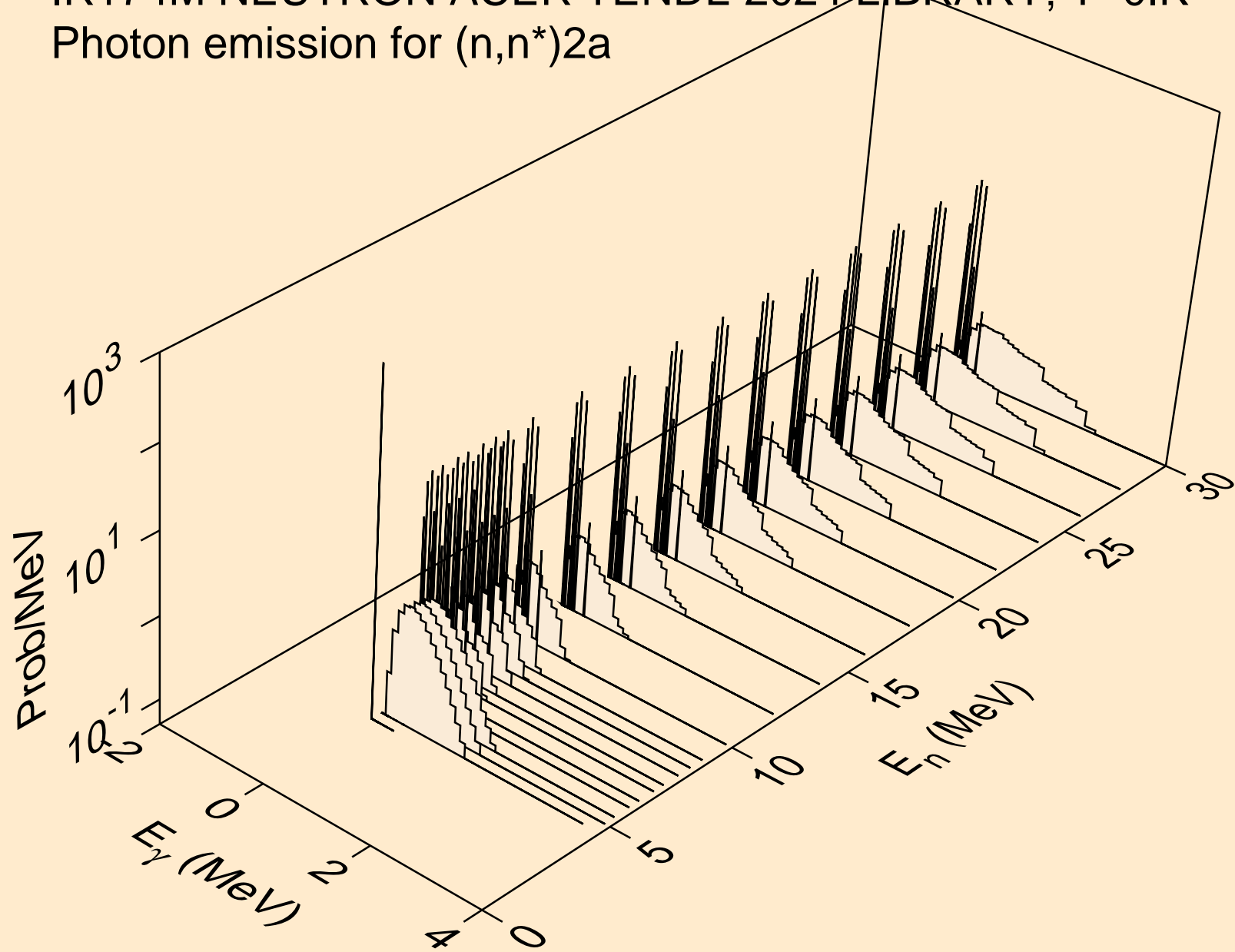
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Photon emission for (n,3n)a



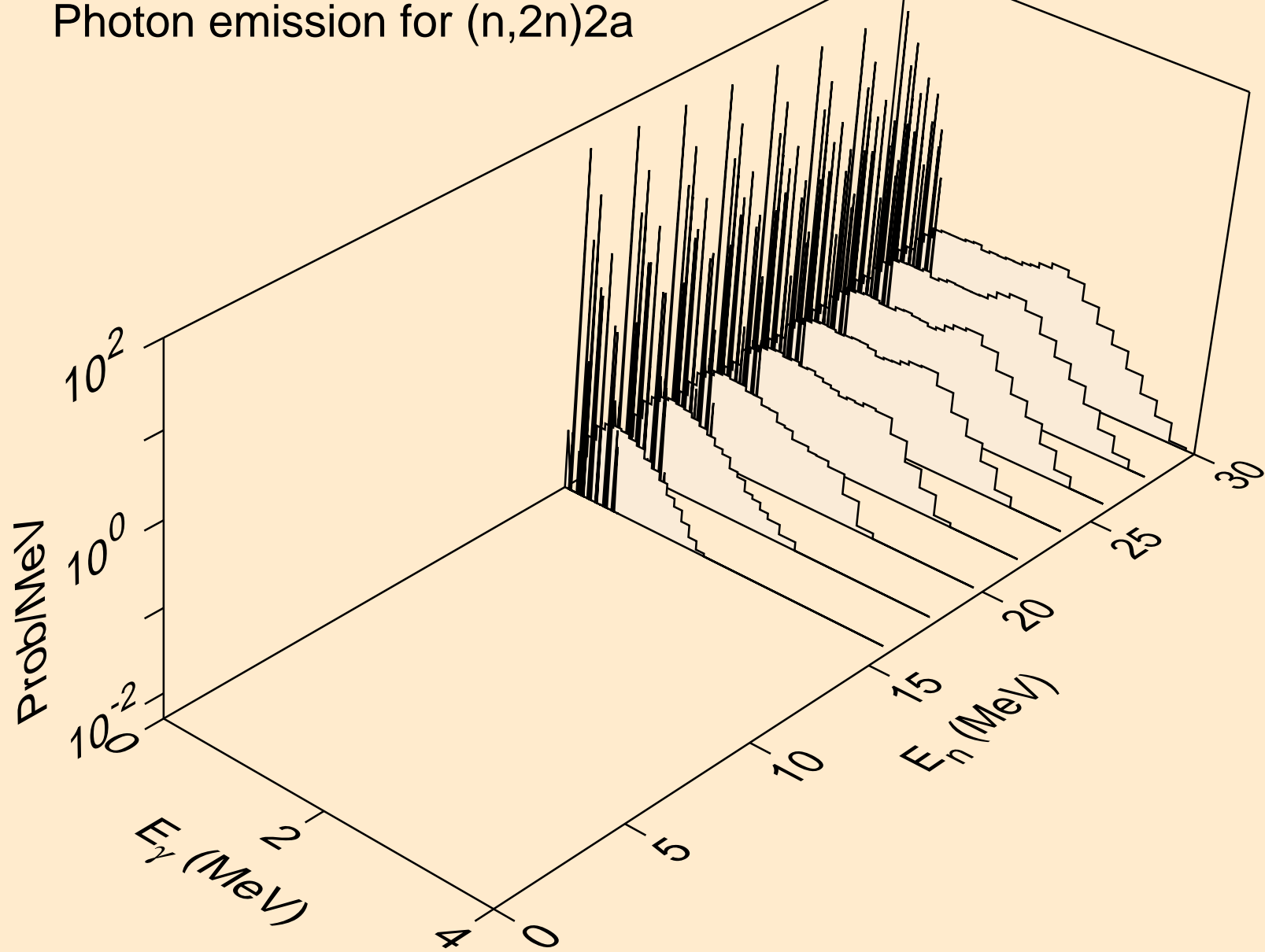
IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a

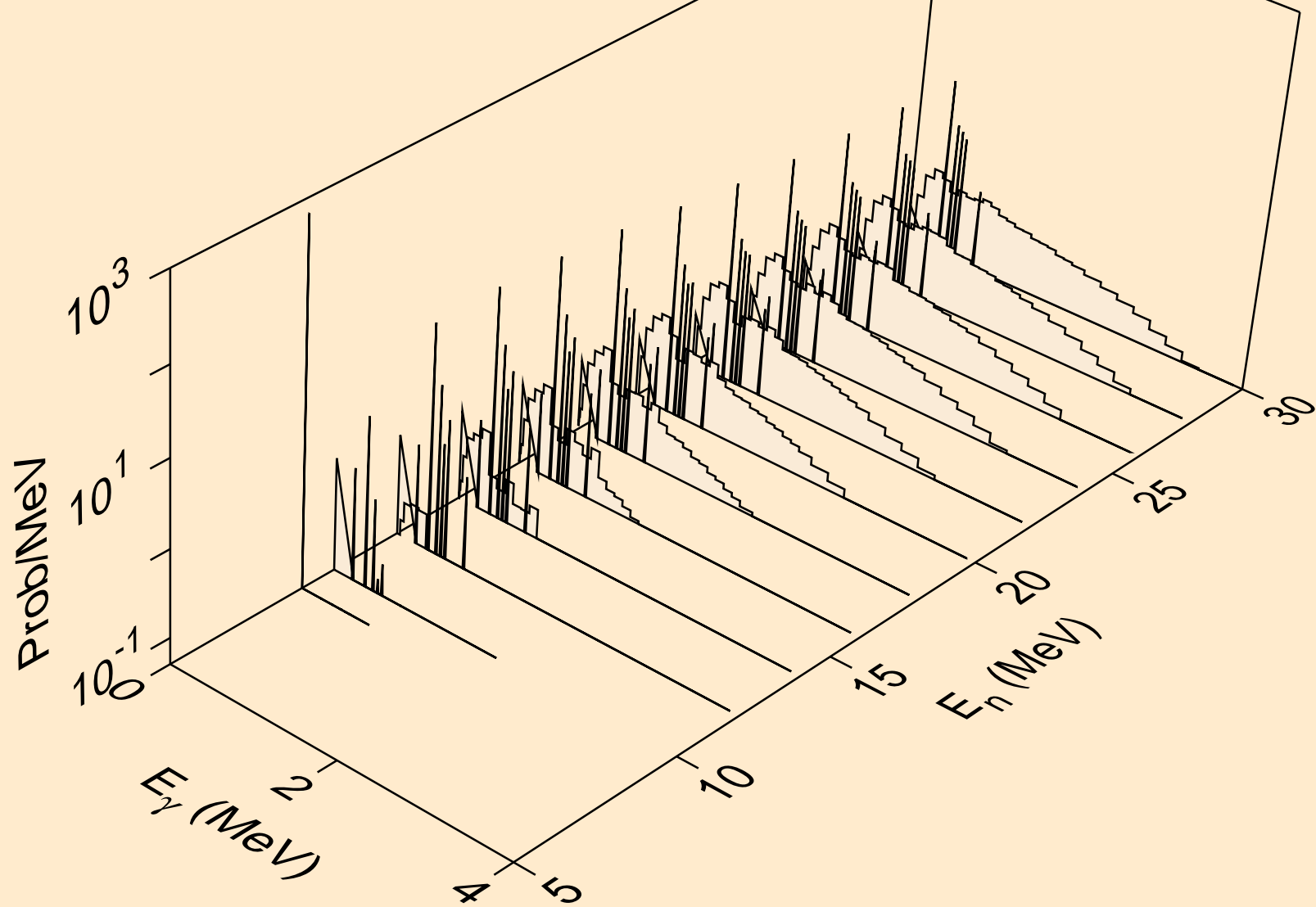


IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)2a

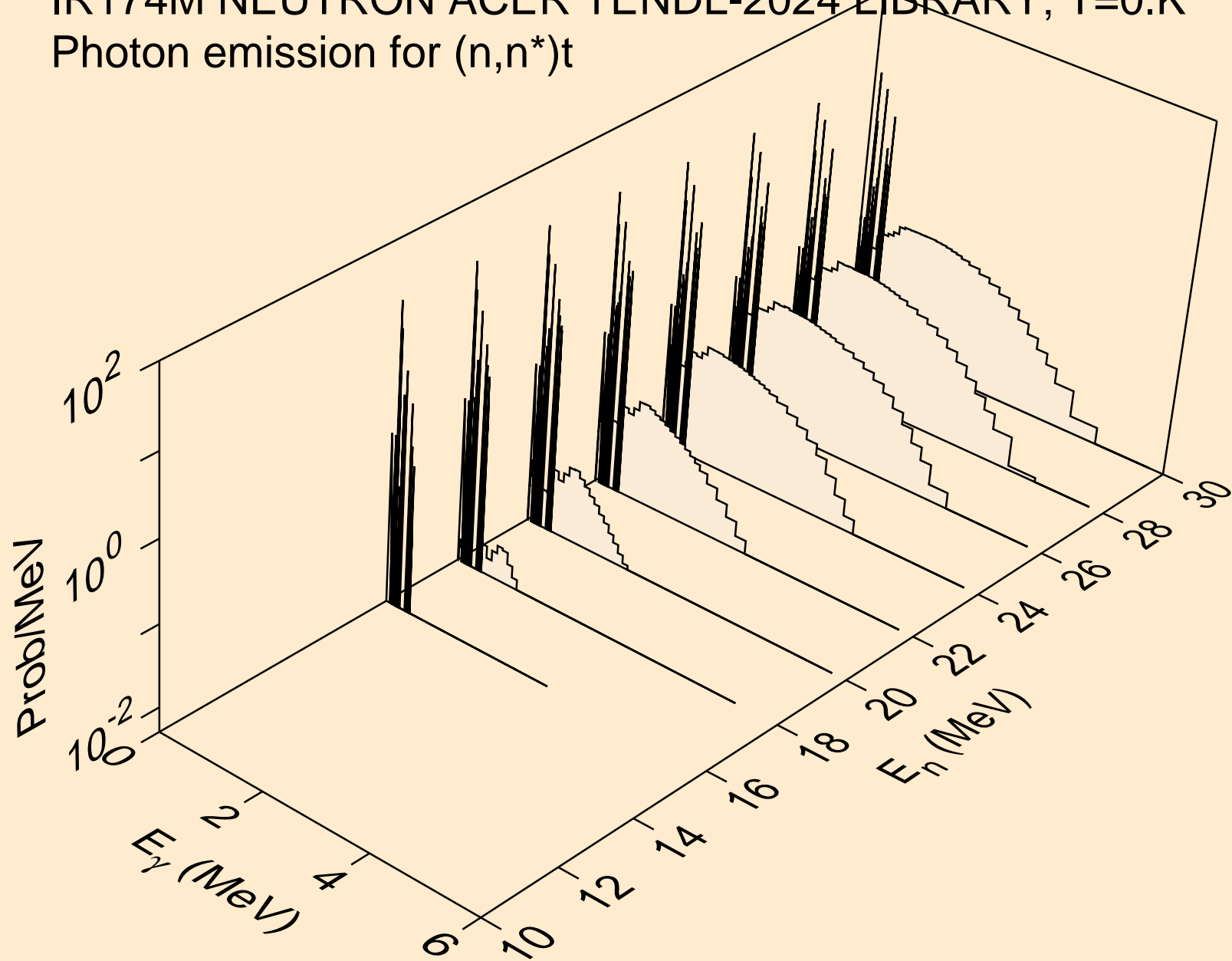




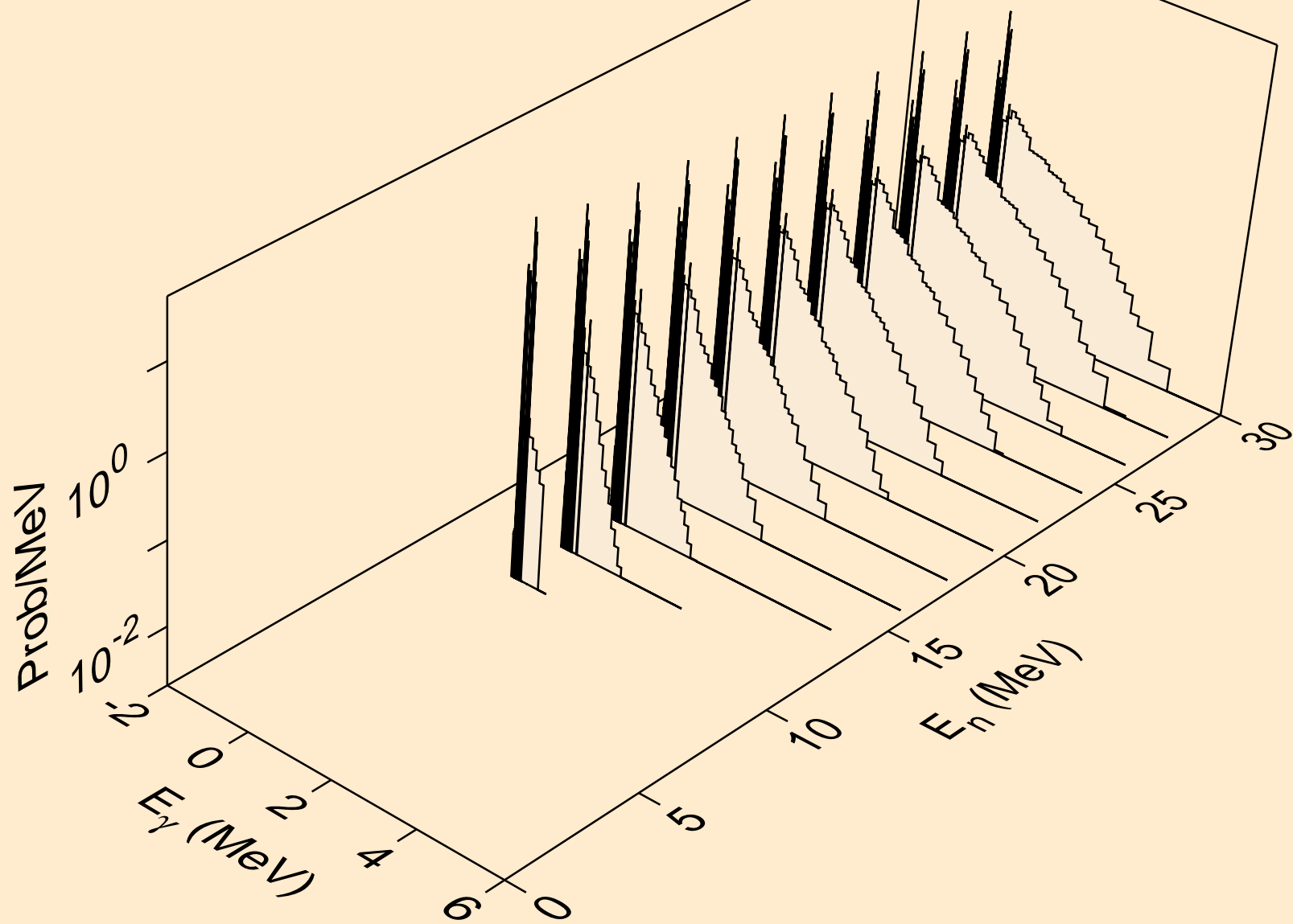
IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



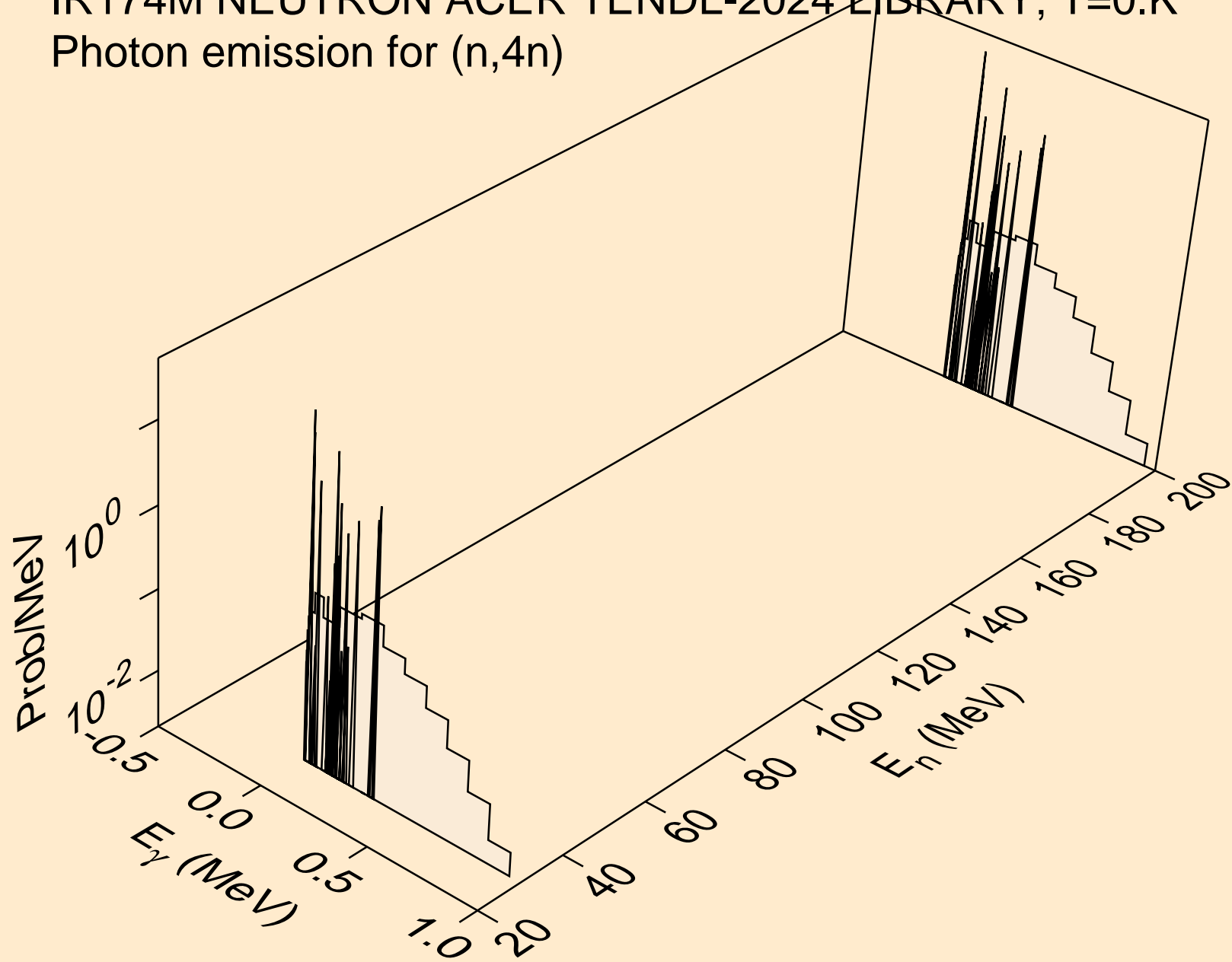
IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



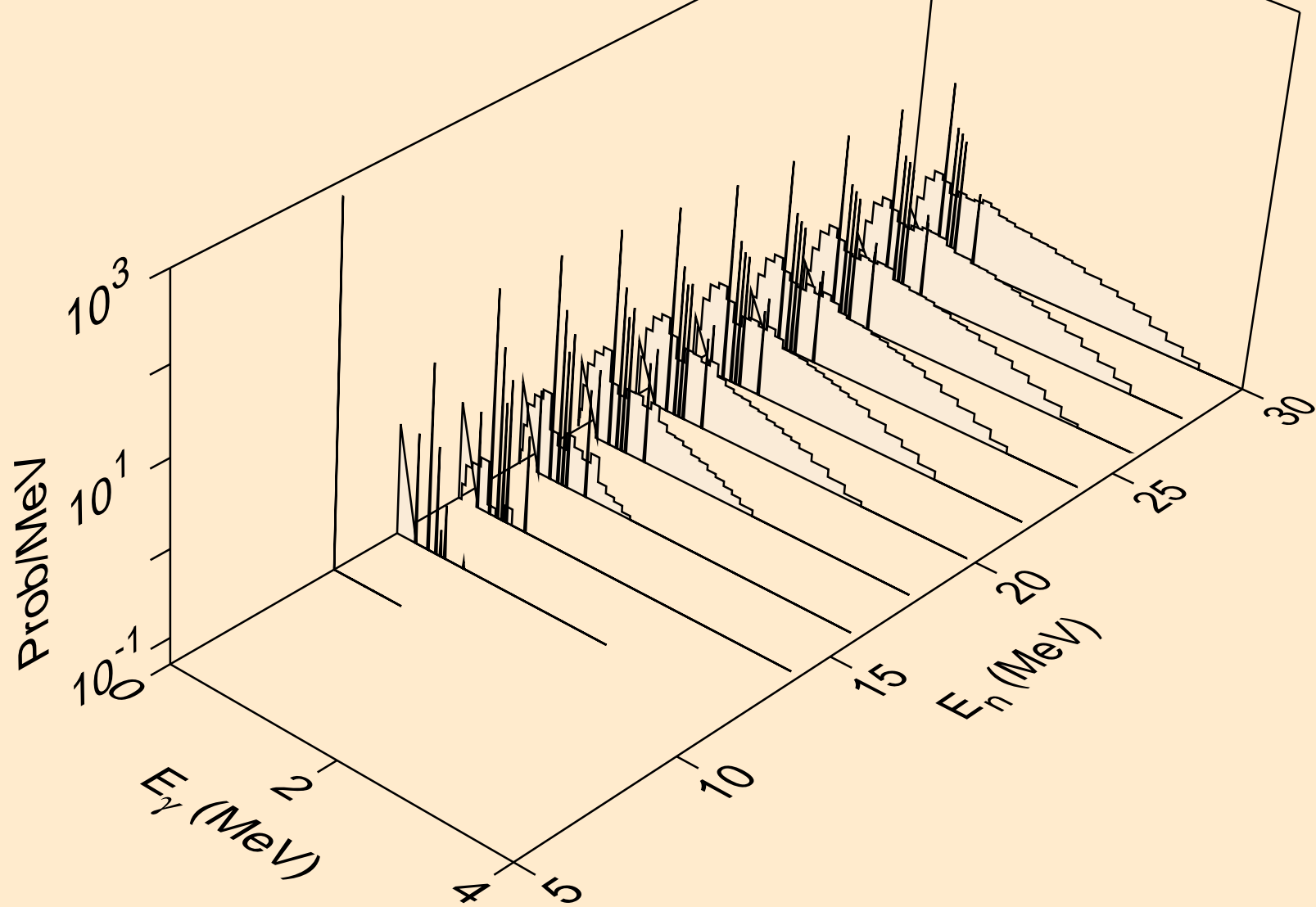
IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



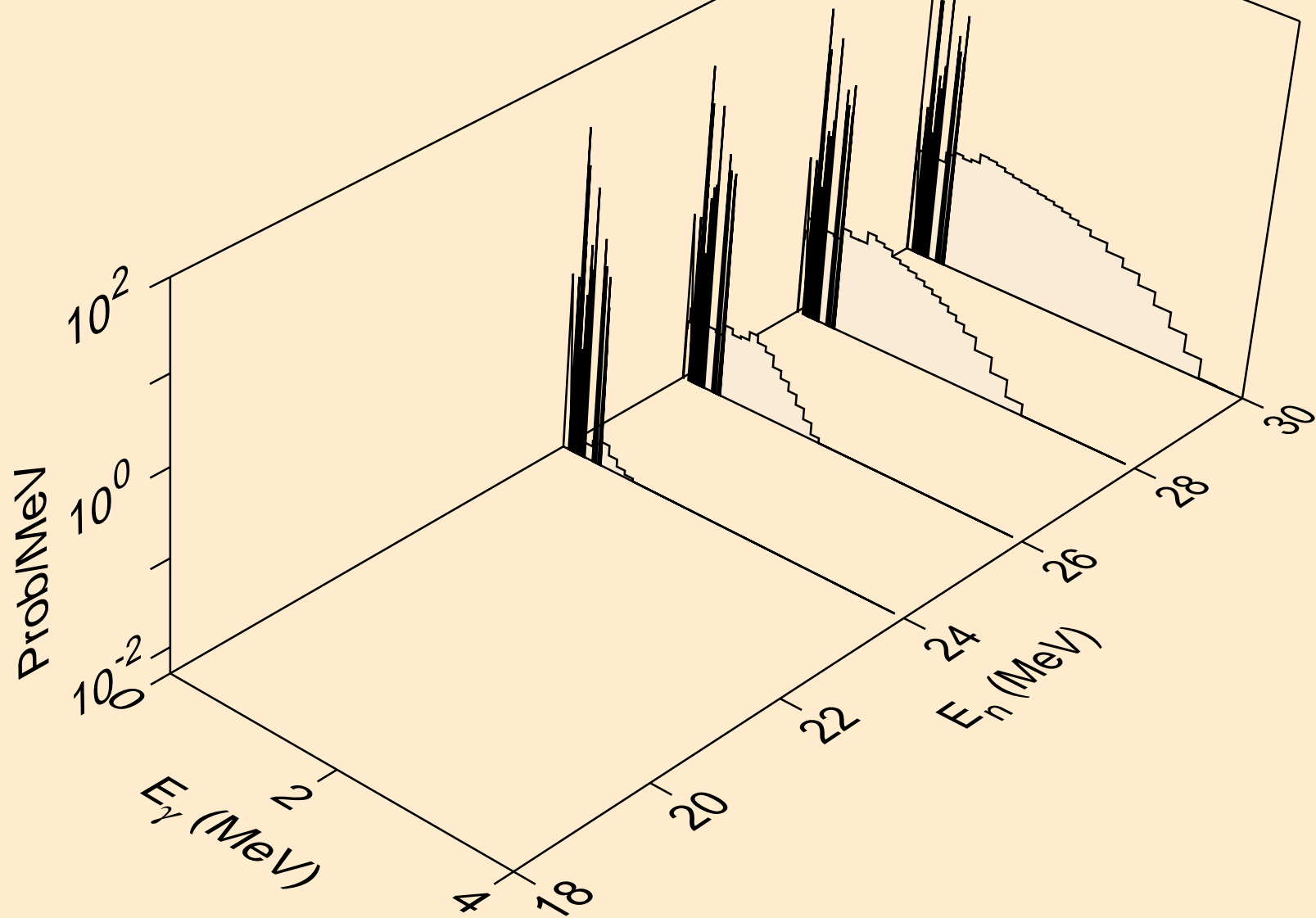
IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,4n)



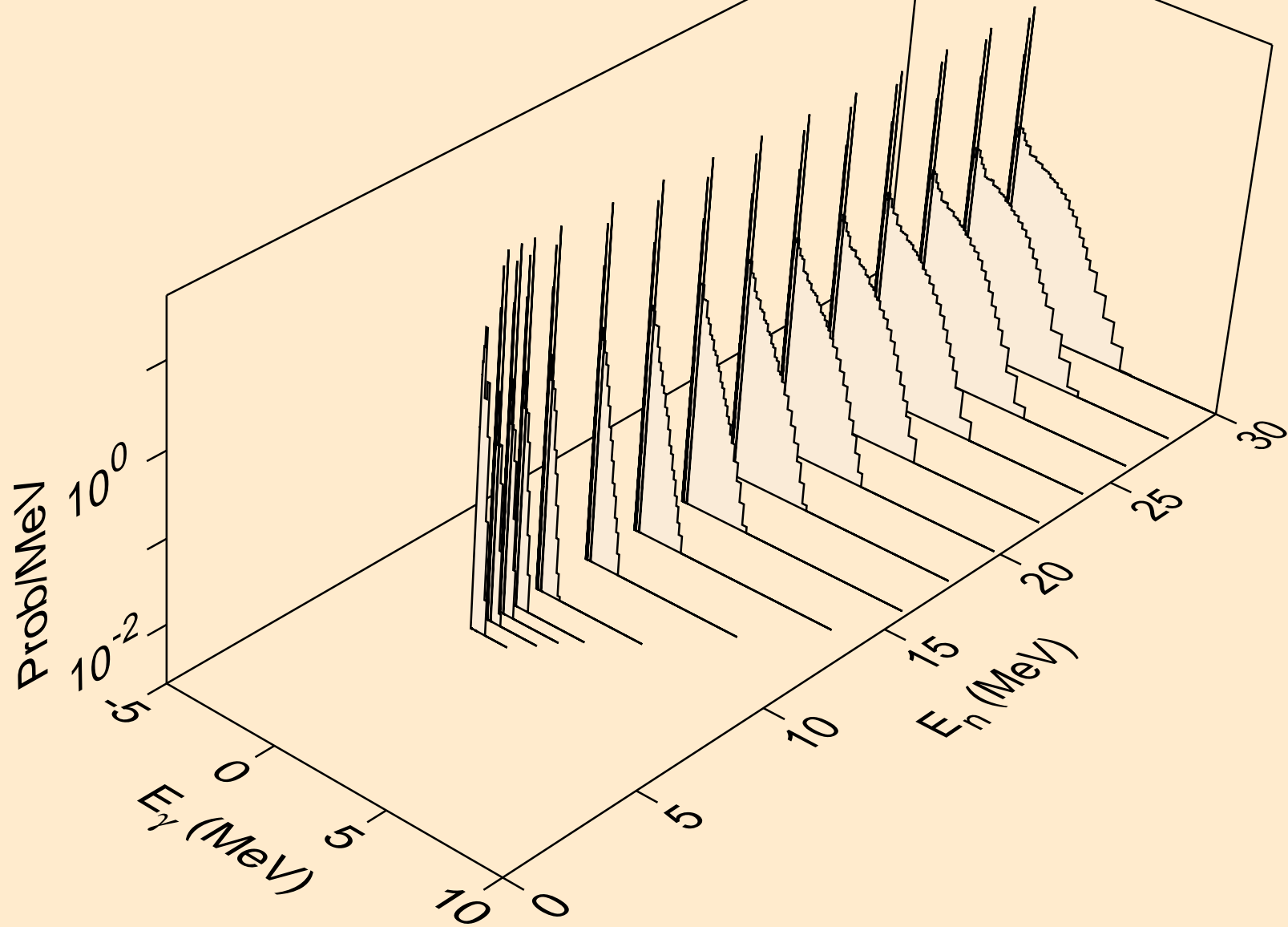
IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2np)



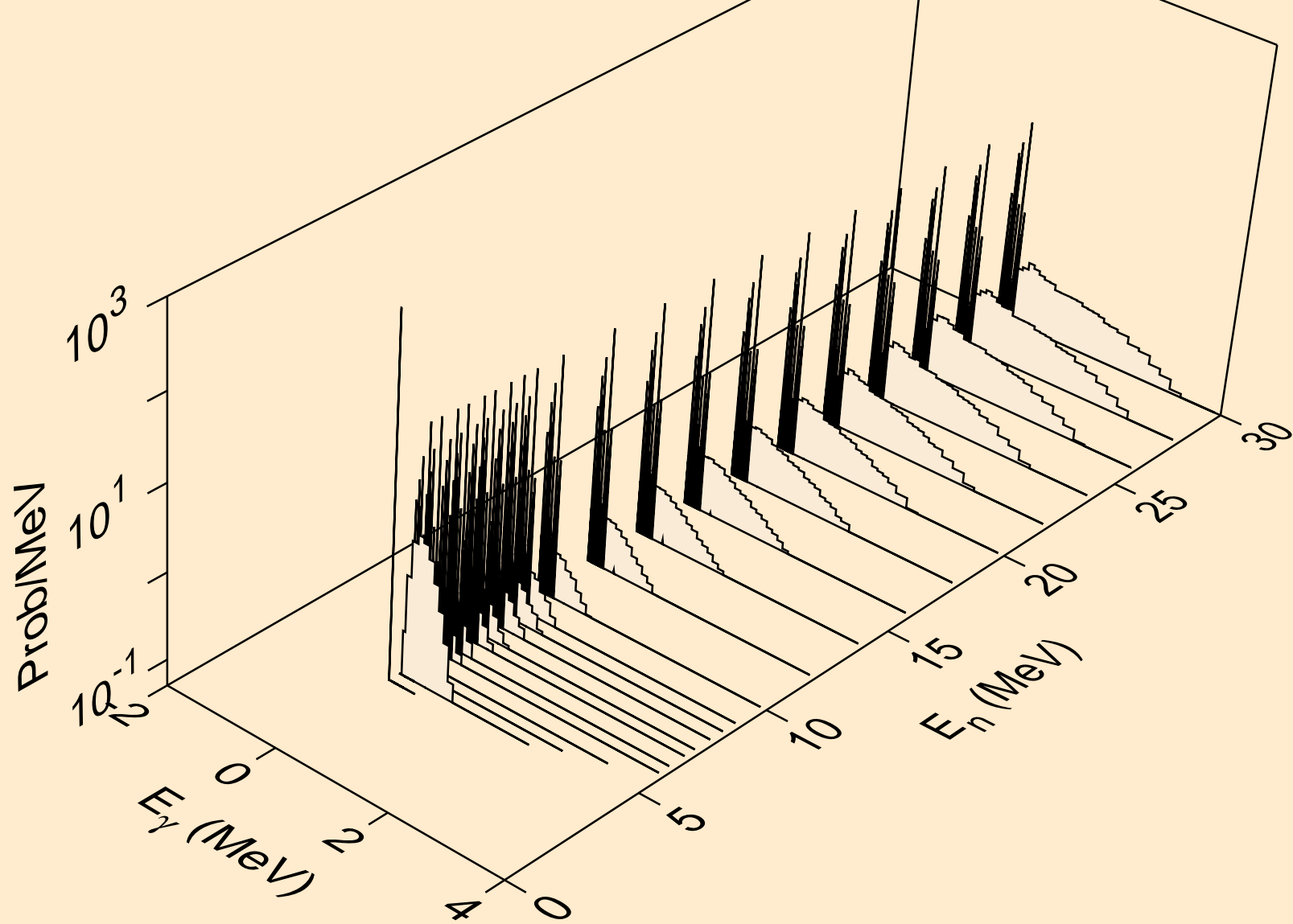
IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3np)



IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n2p)

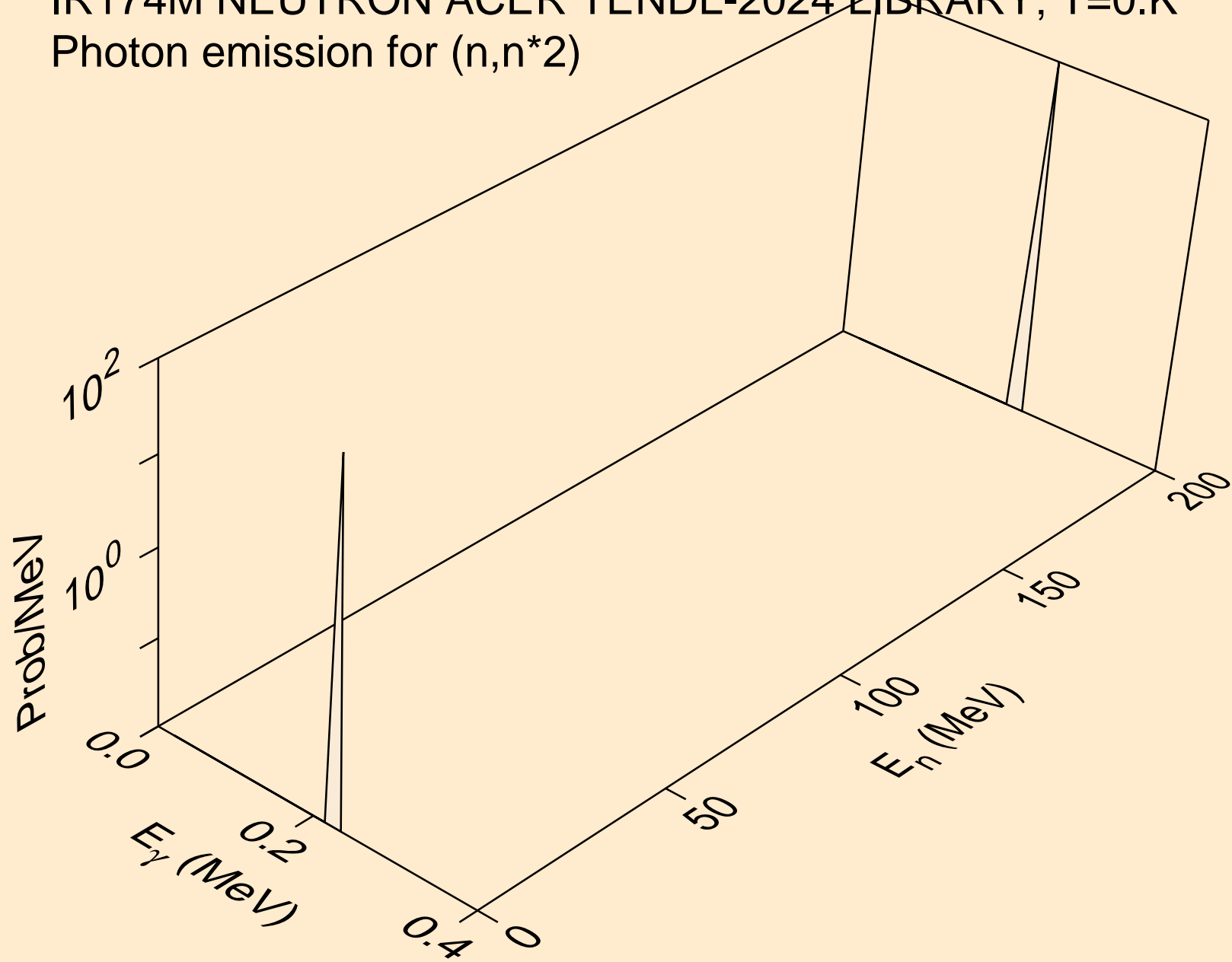


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Photon emission for (n,npa)

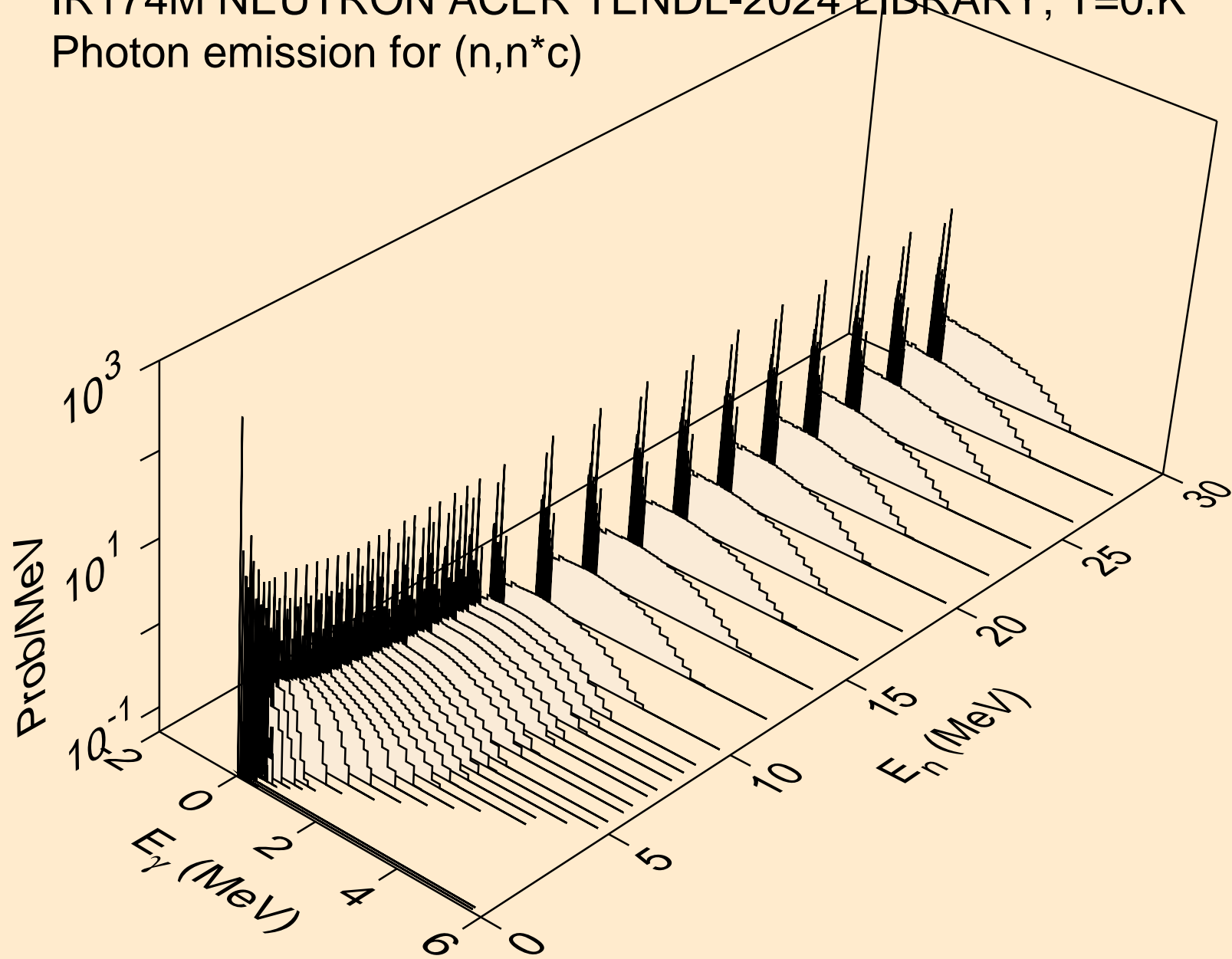




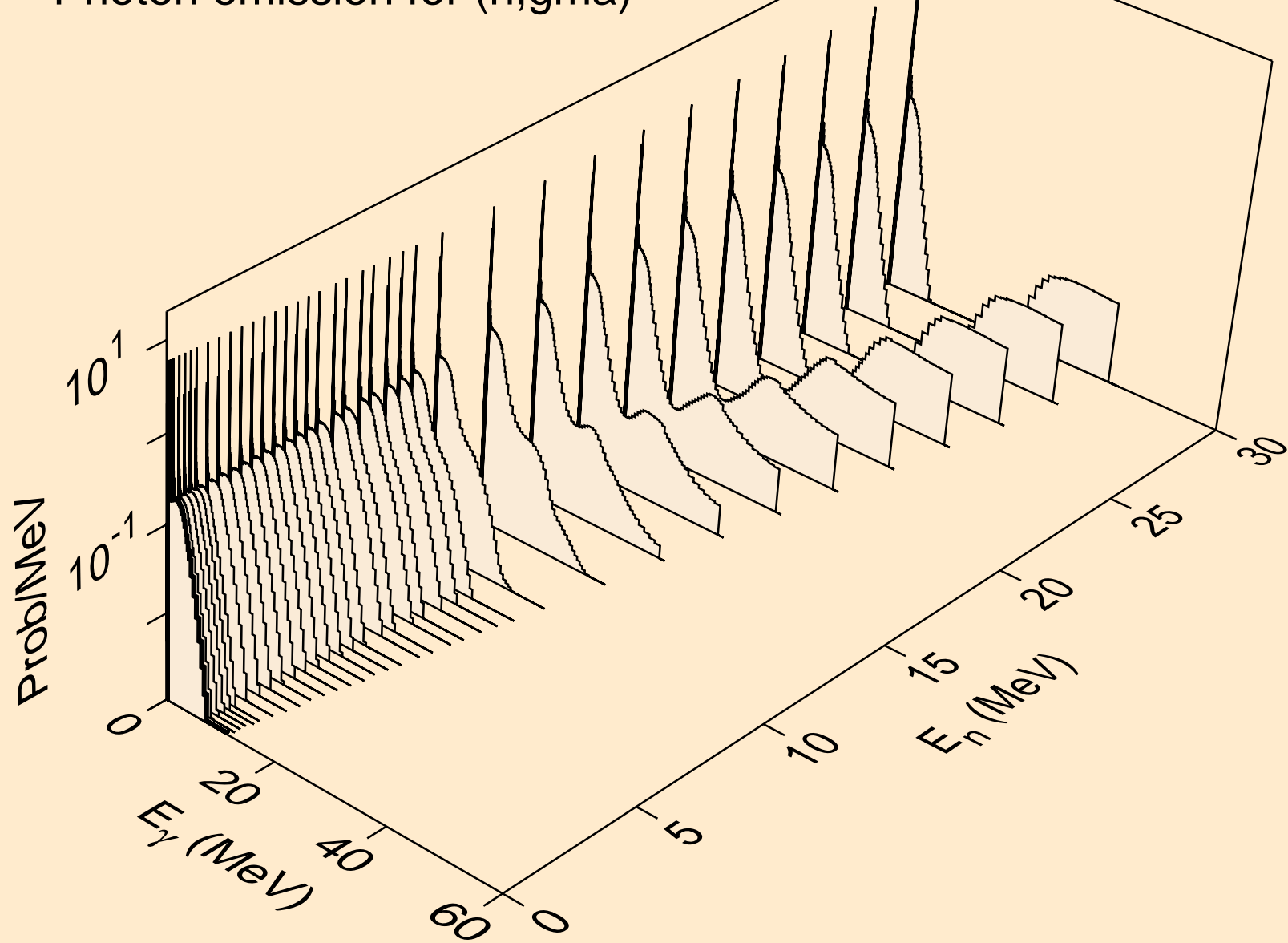
IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*2)



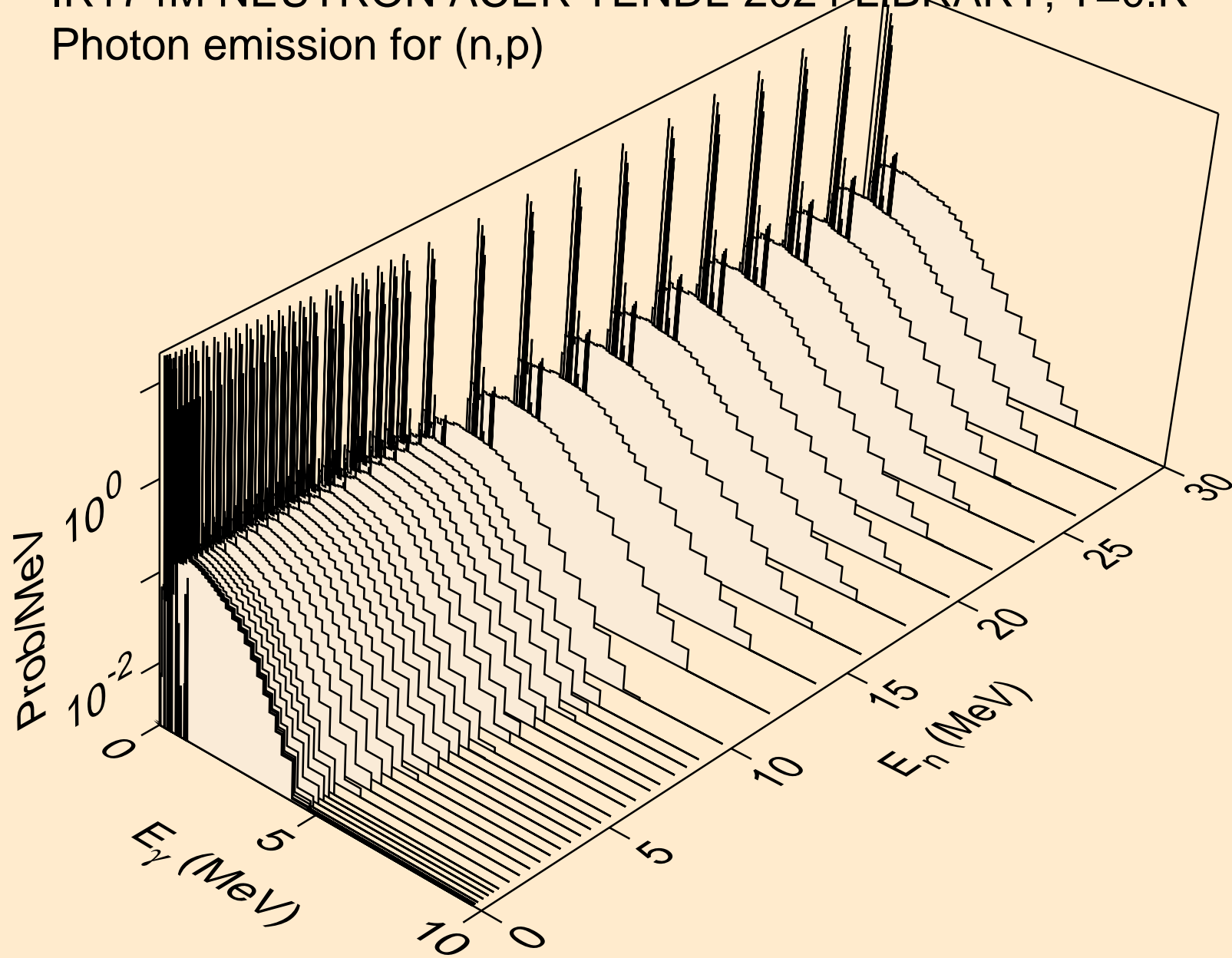
IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*c)



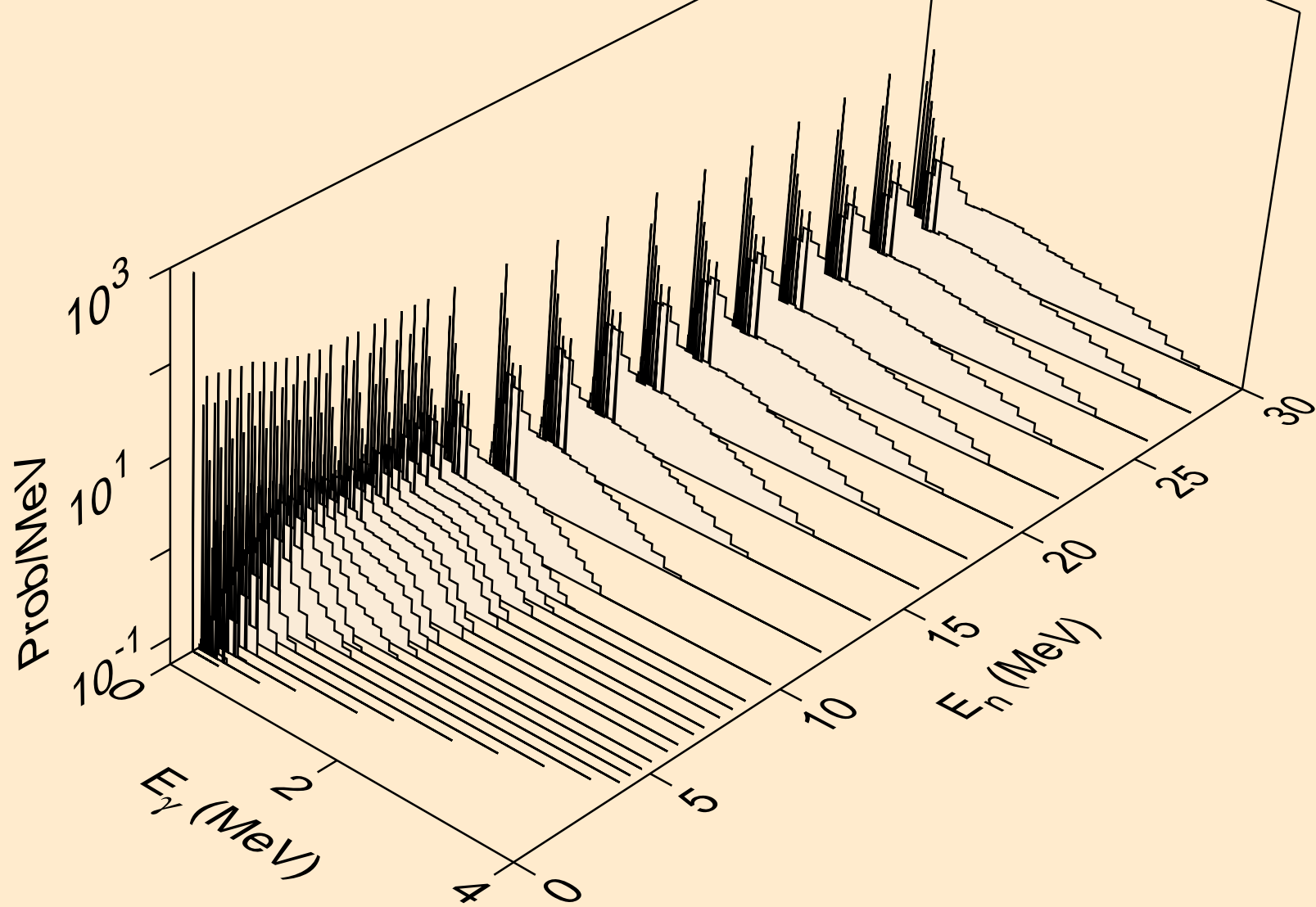
IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,gma)



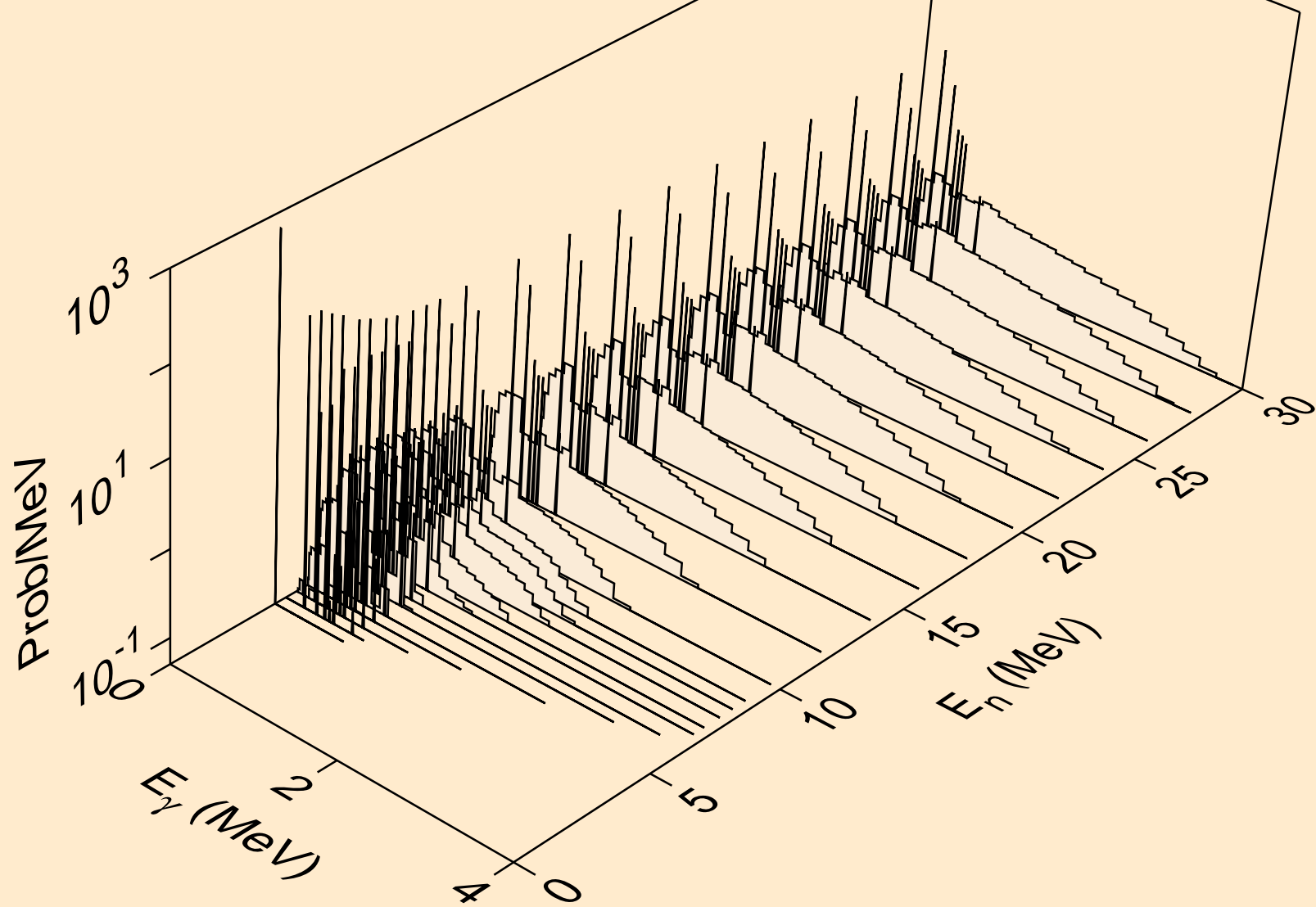
IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p)



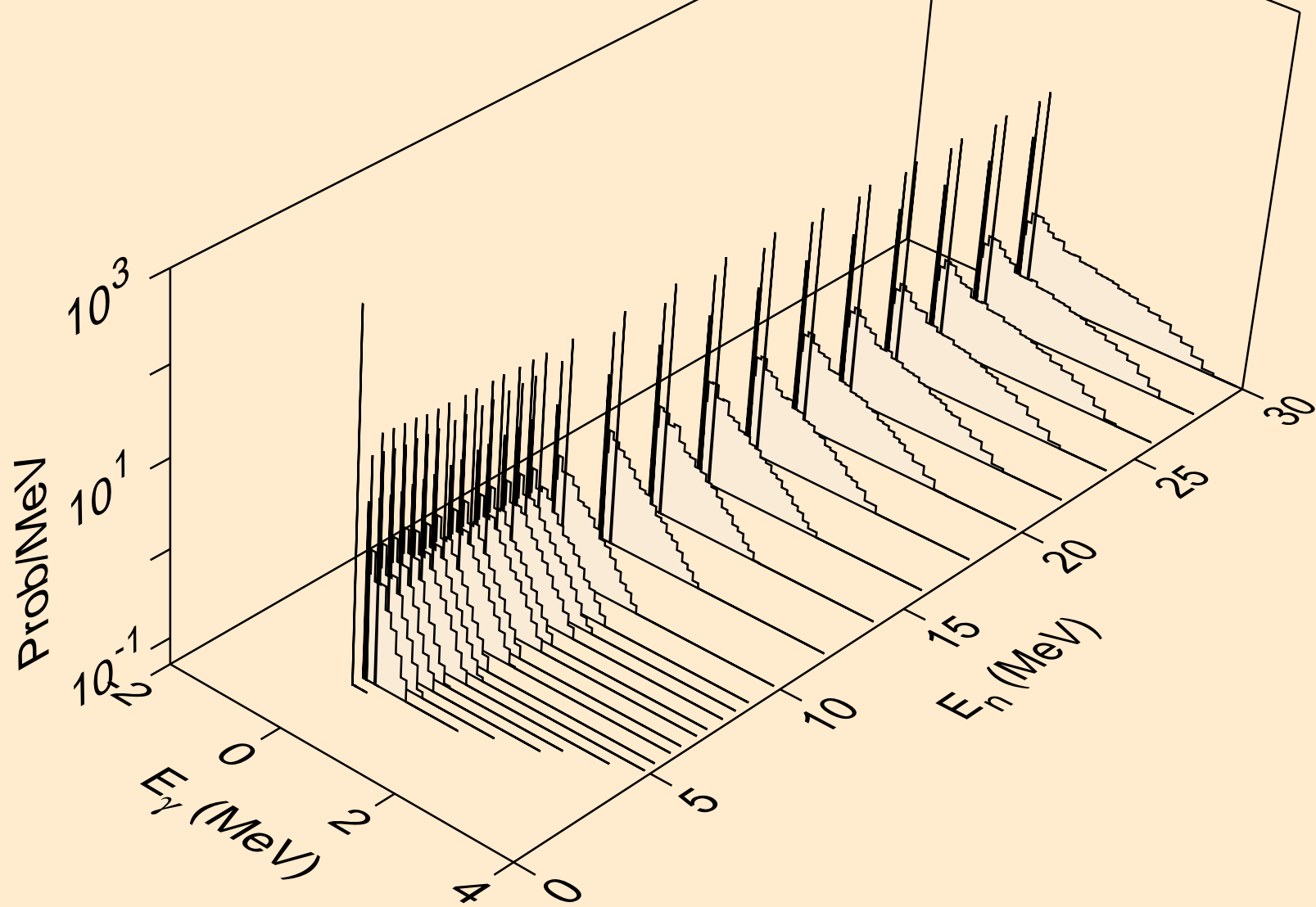
IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,d)



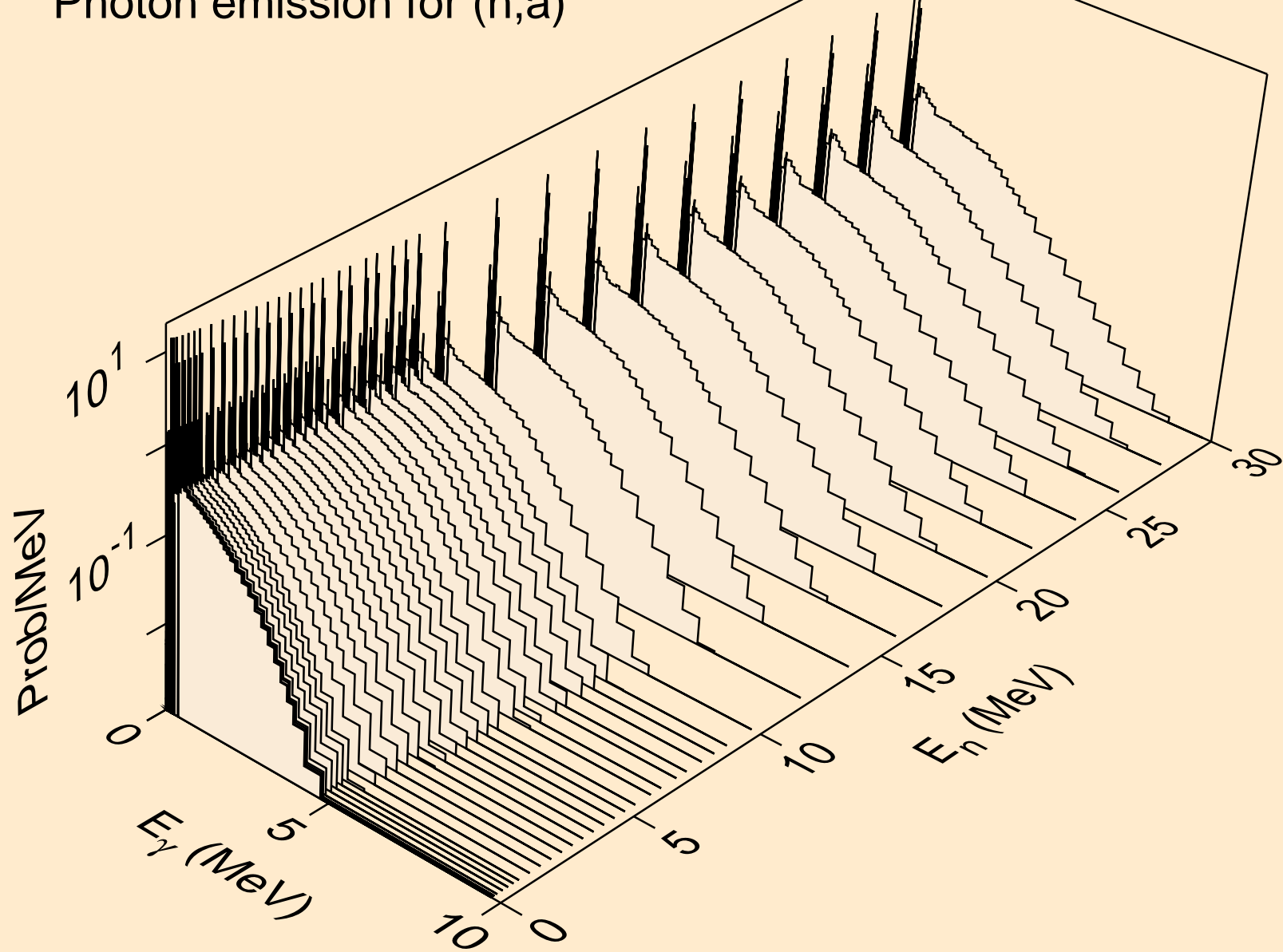
IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,t)



IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,he3)

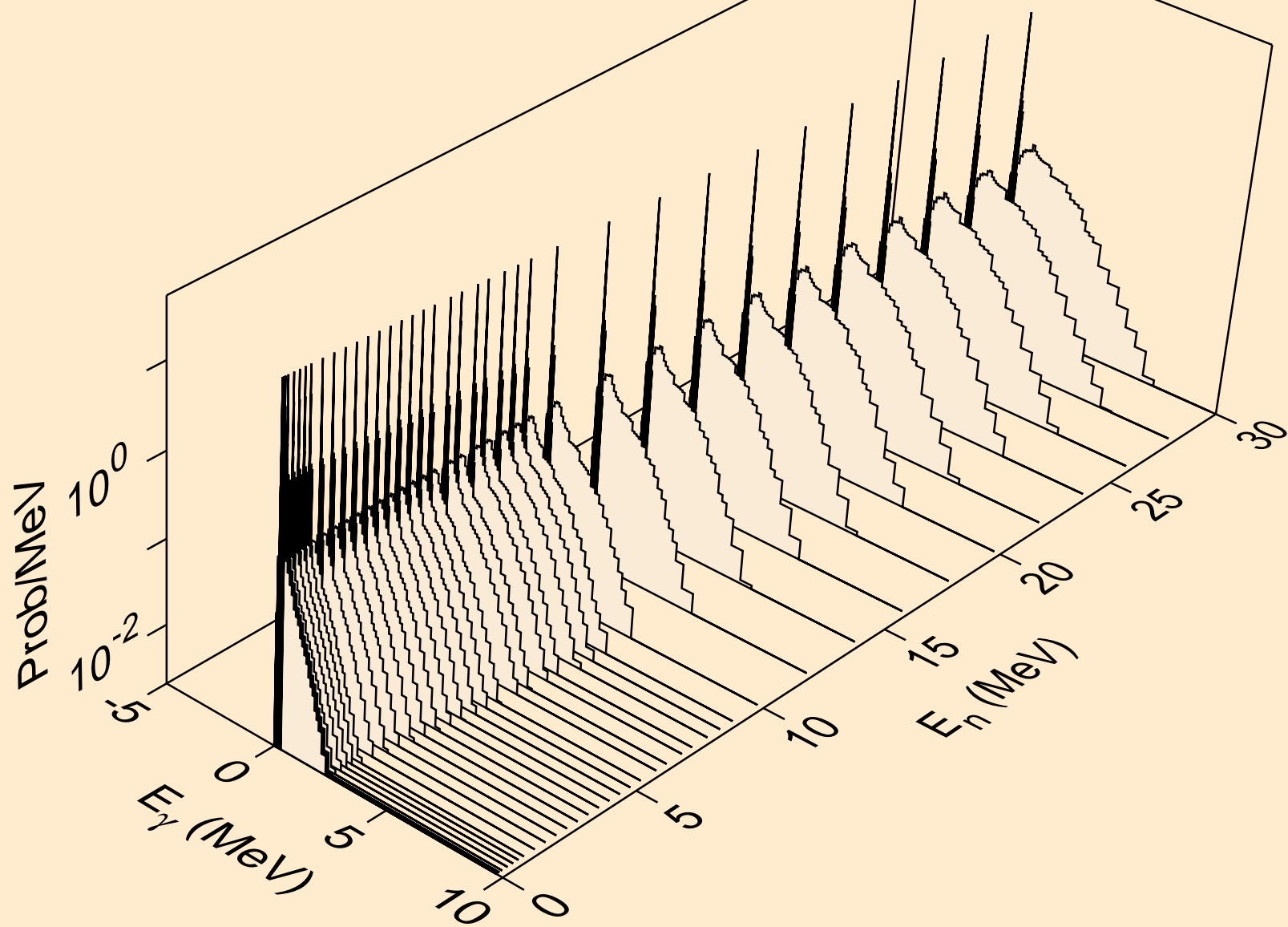


IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,a)

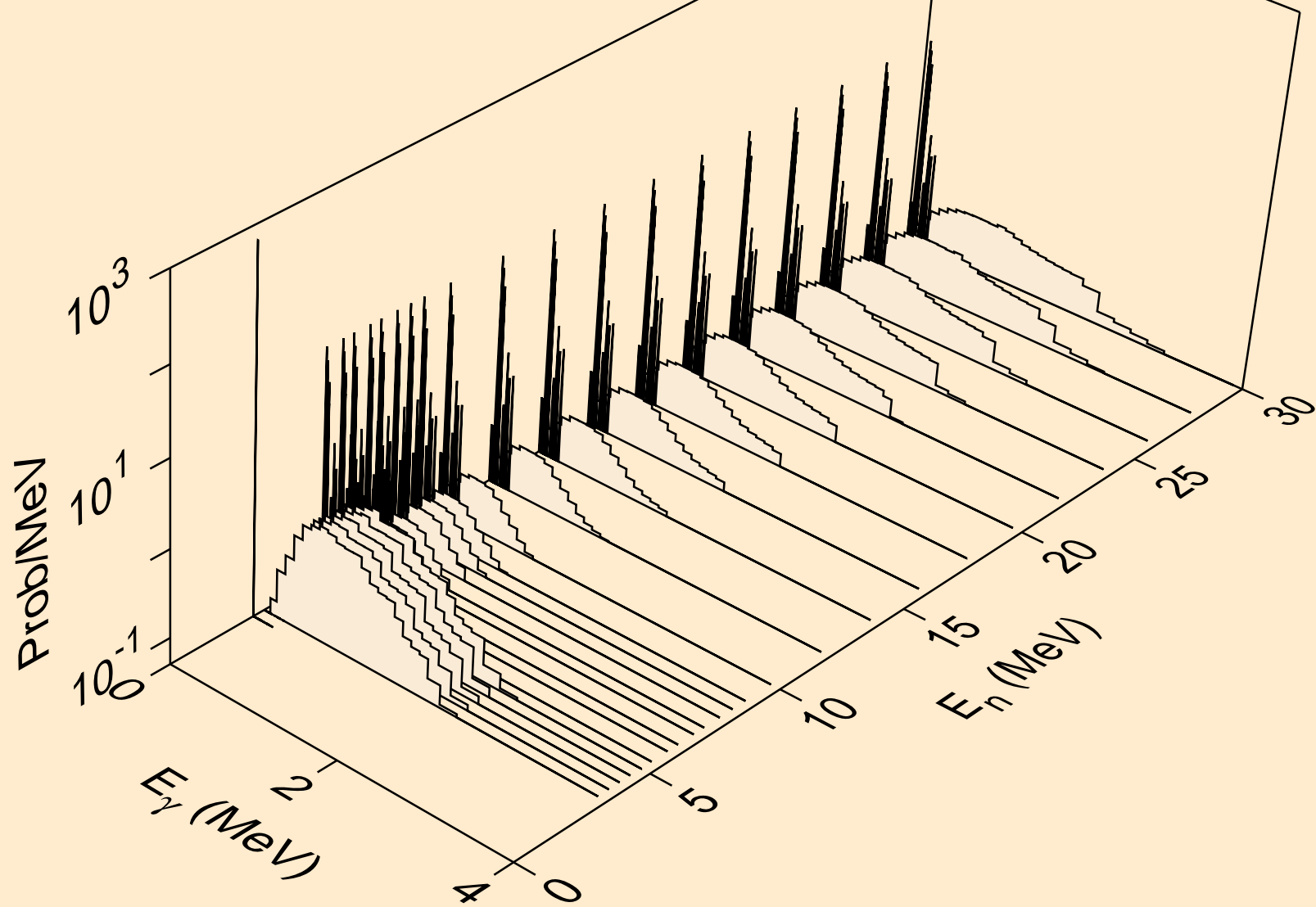




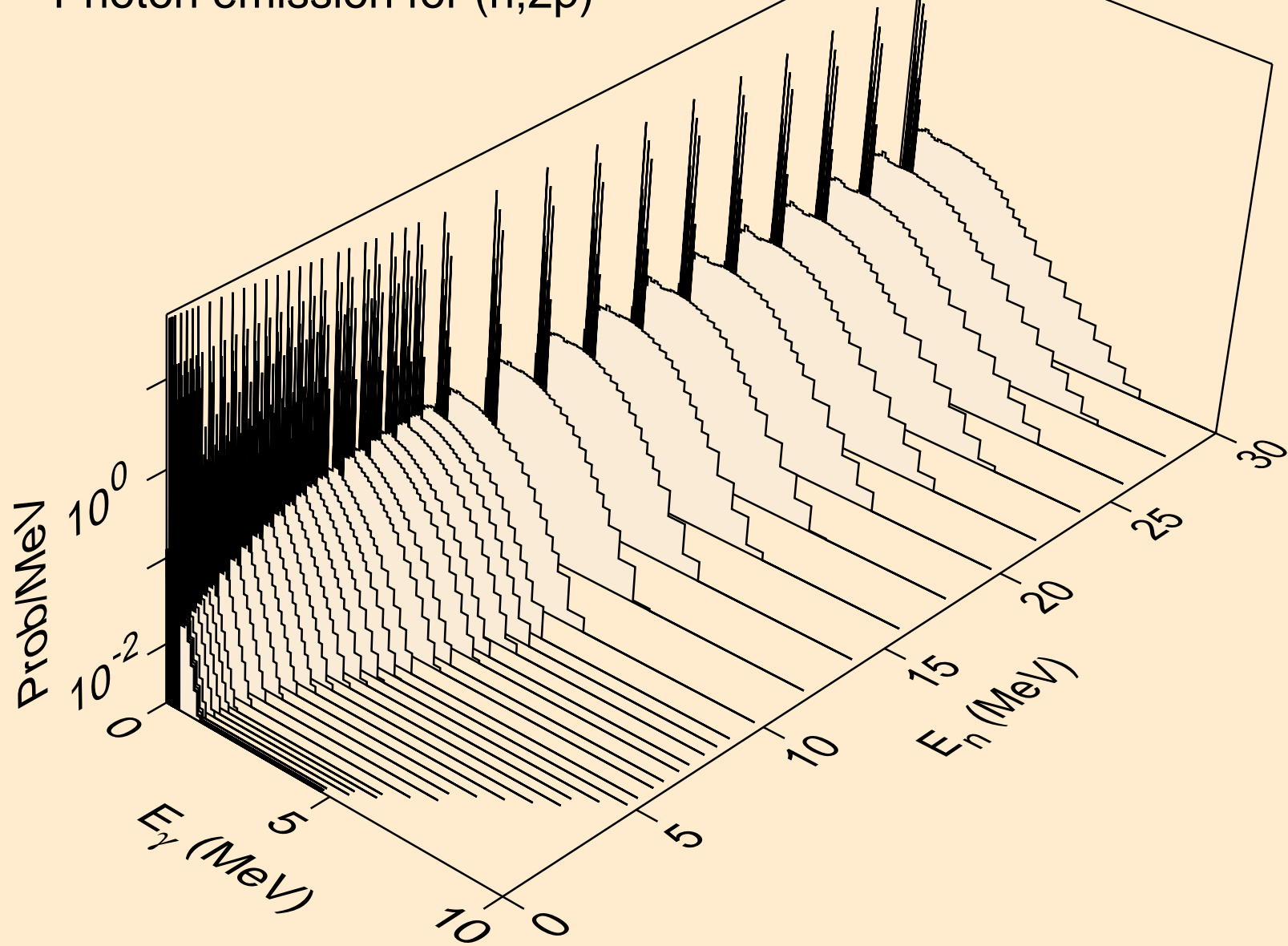
IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2a)



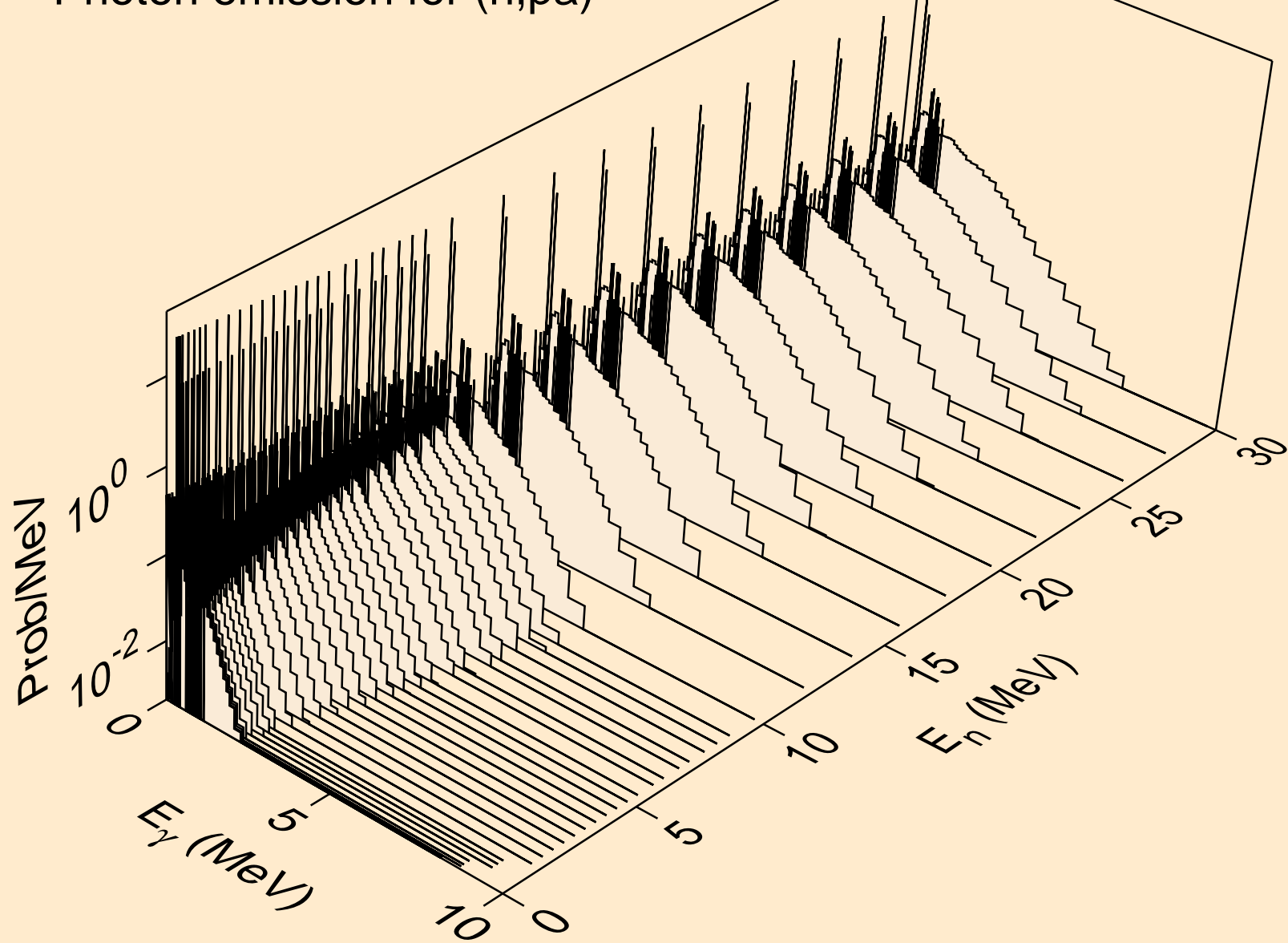
IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3a)



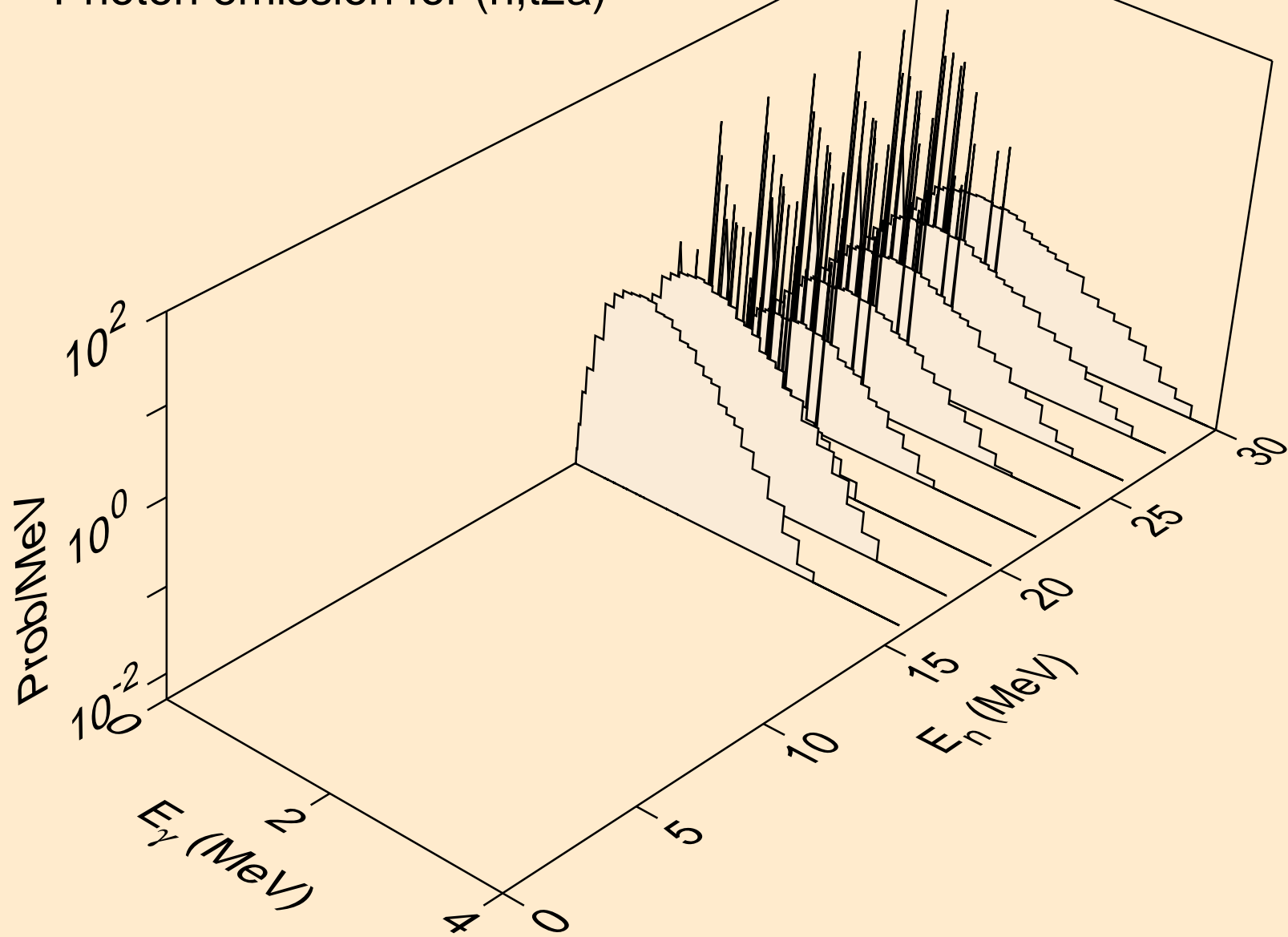
IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2p)



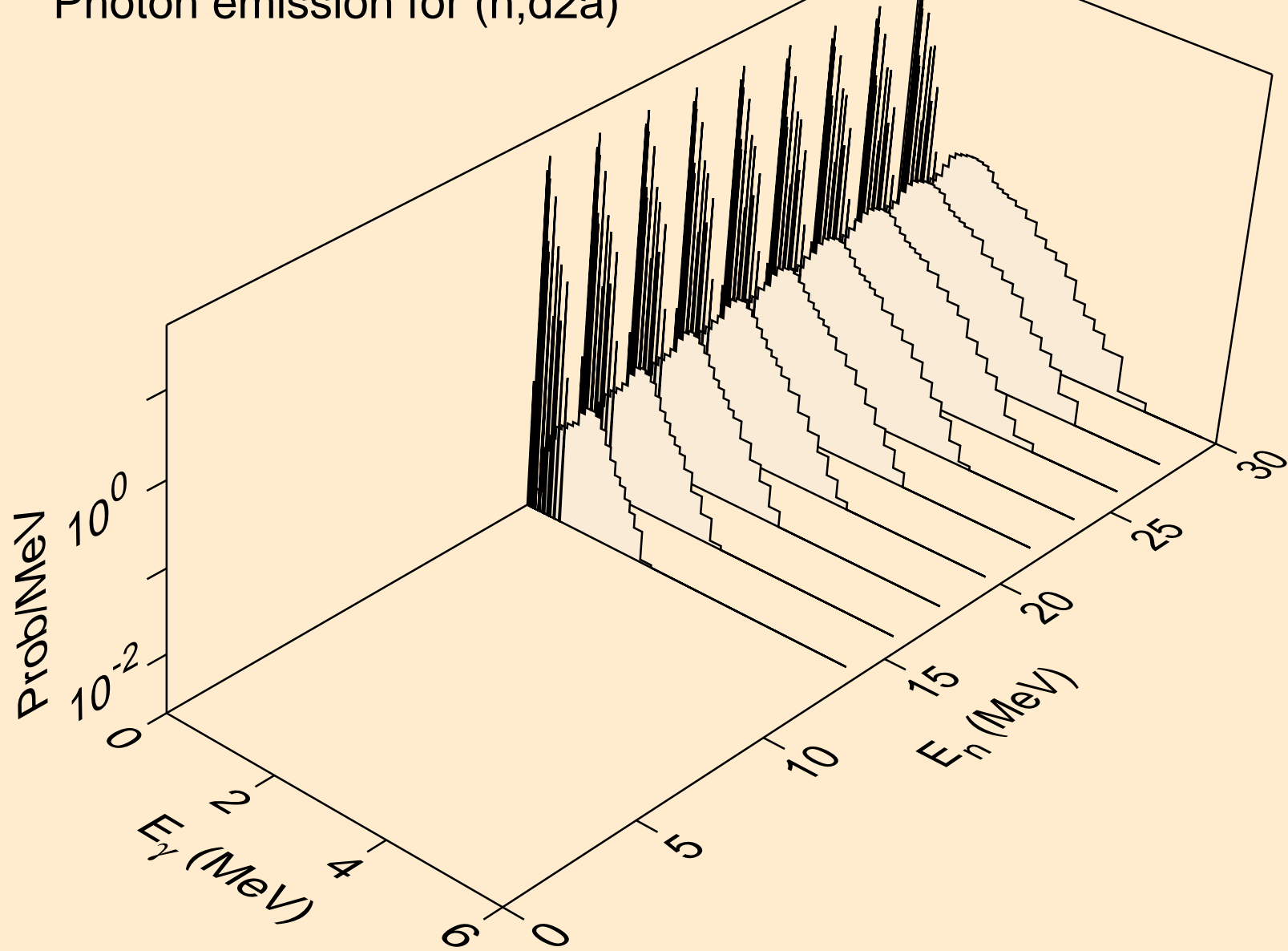
IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p $\alpha$ )



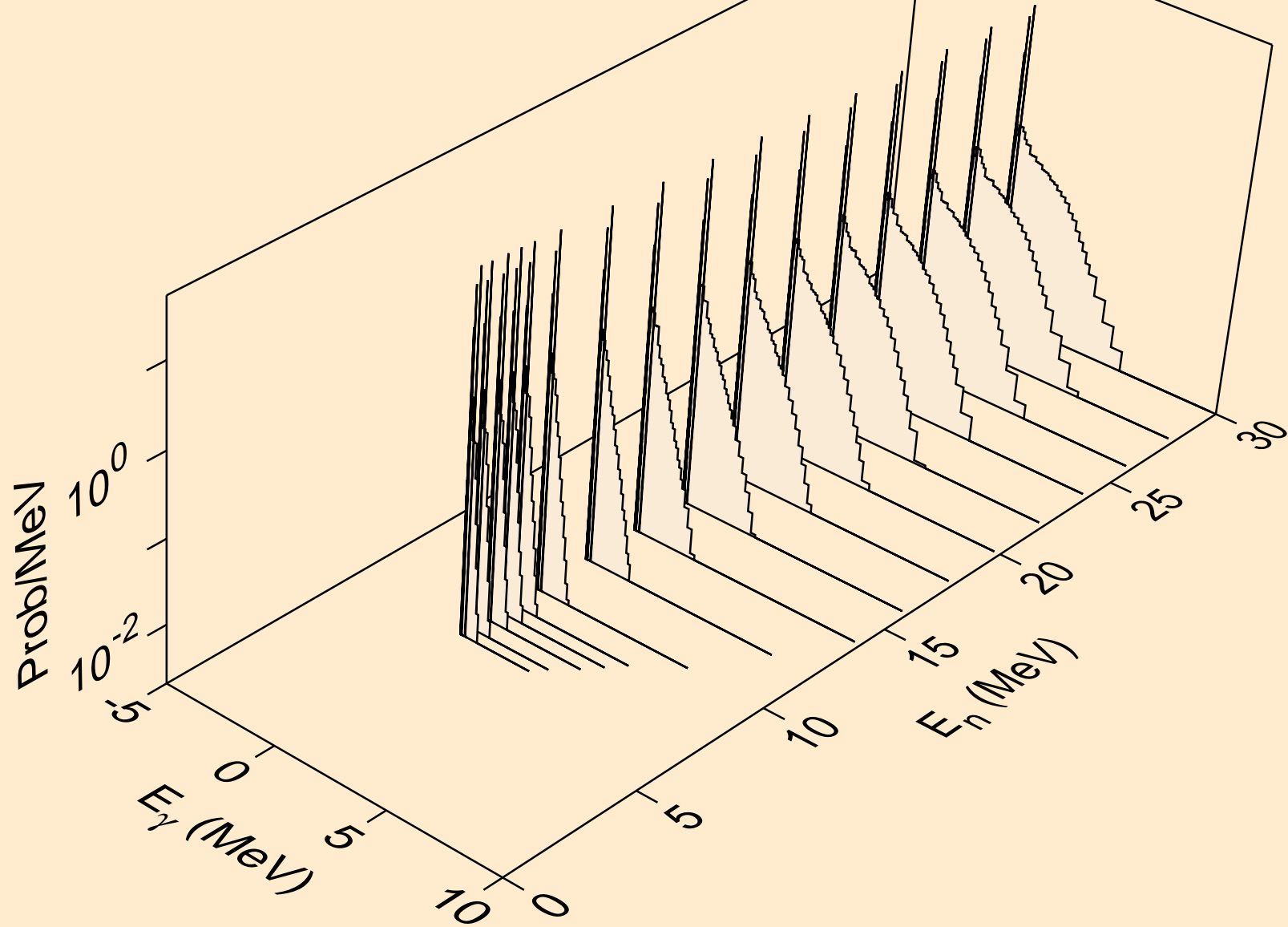
IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,t2a)



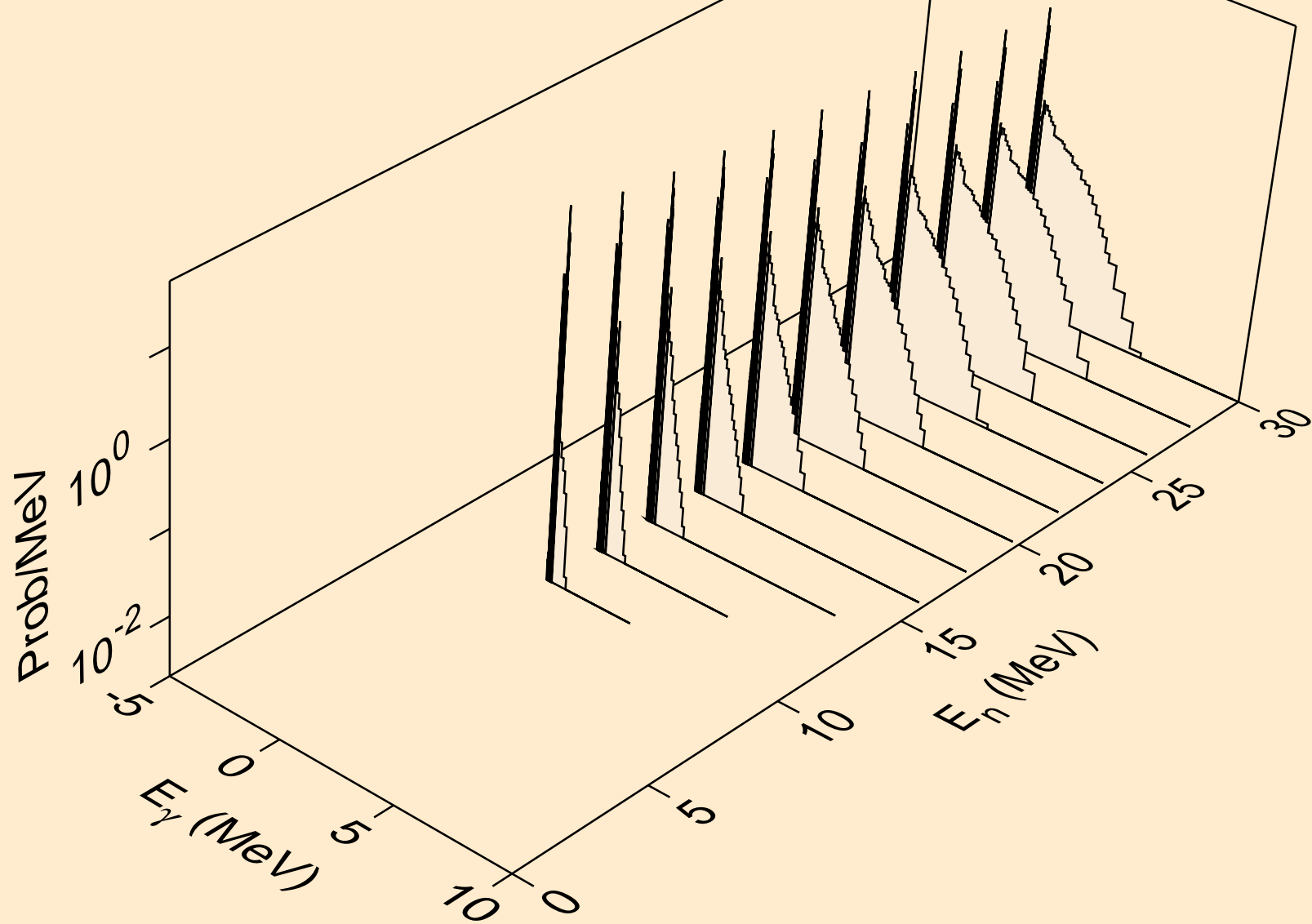
IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,d2a)



IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pd)

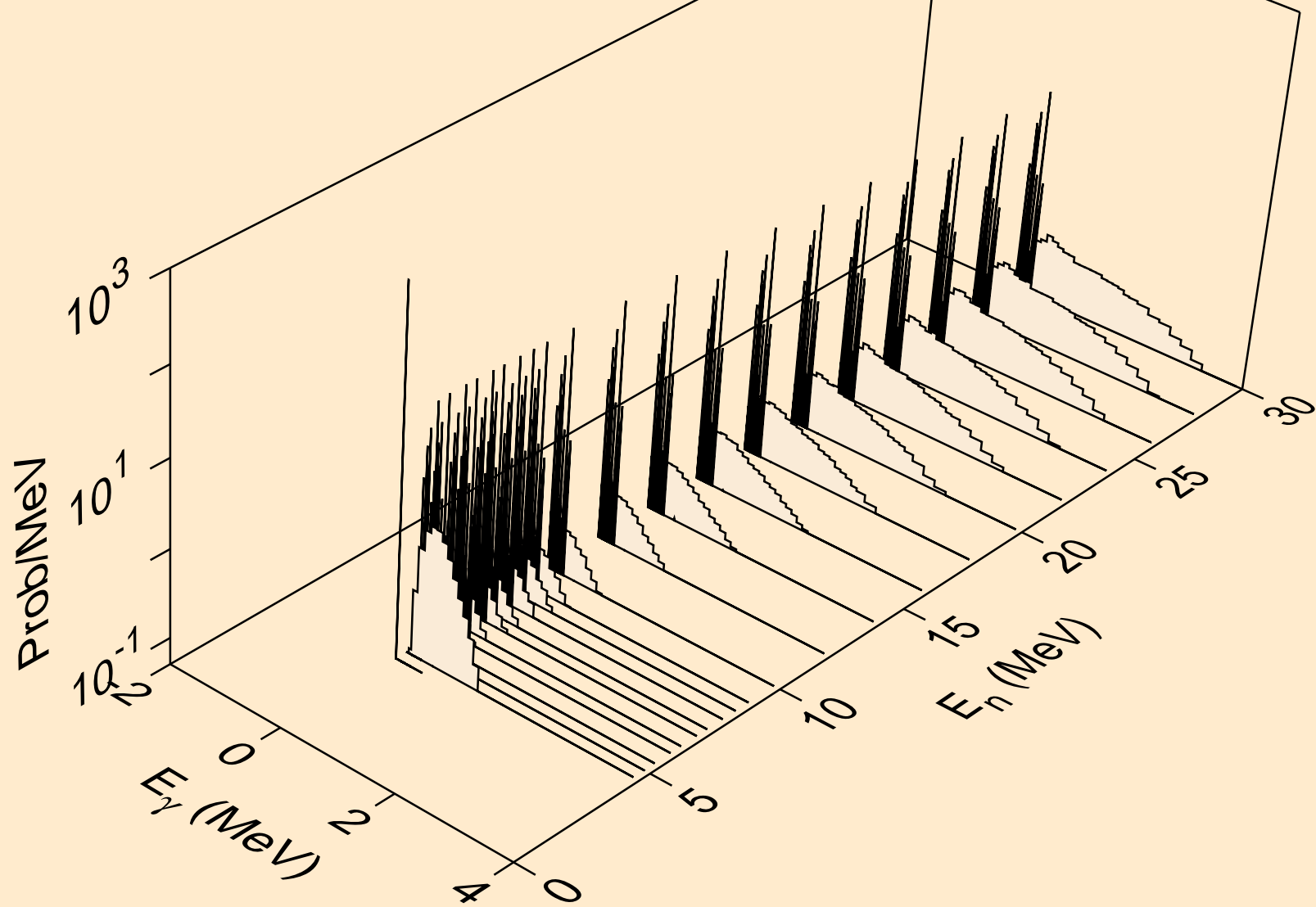


IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pt)

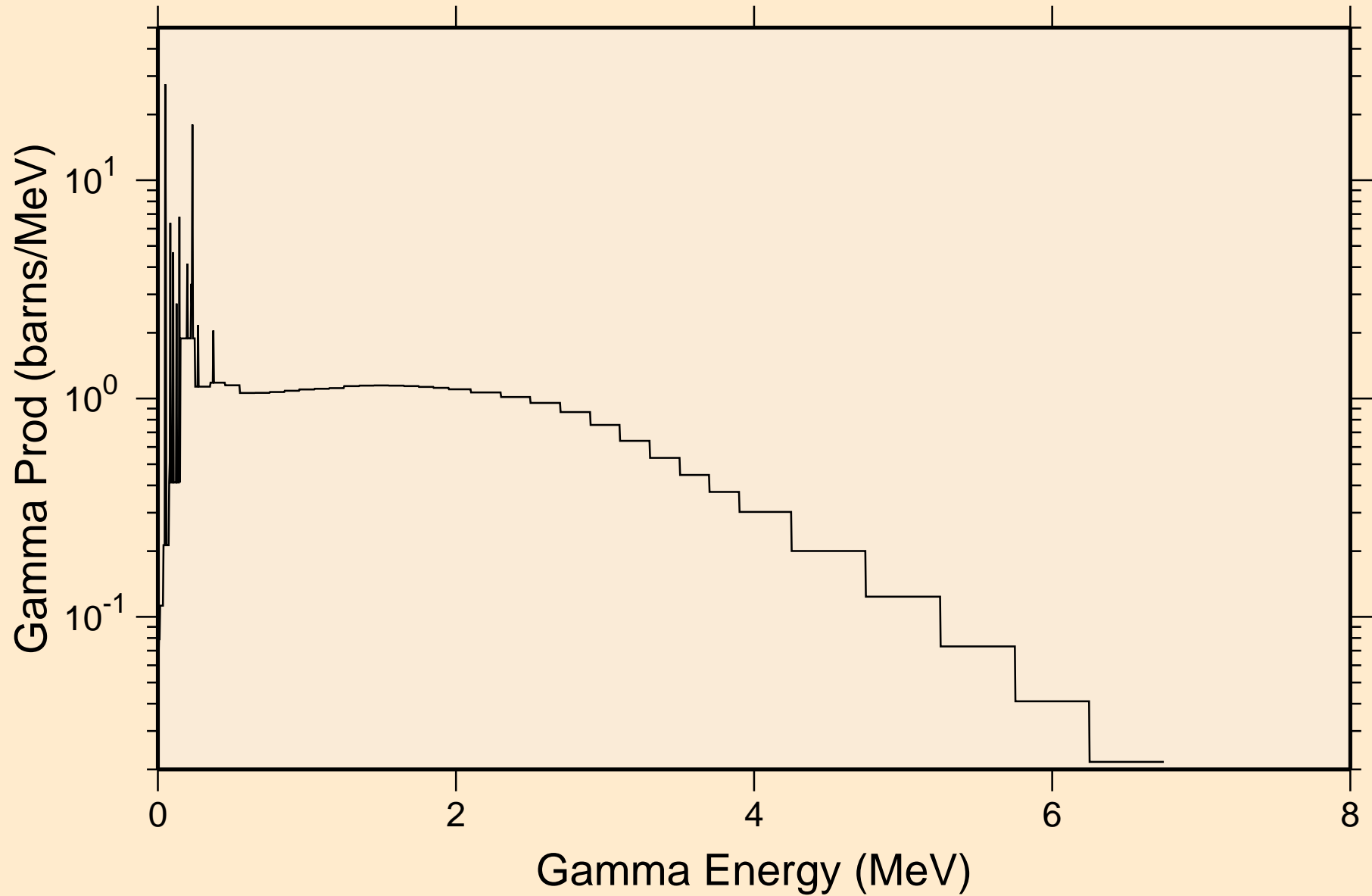




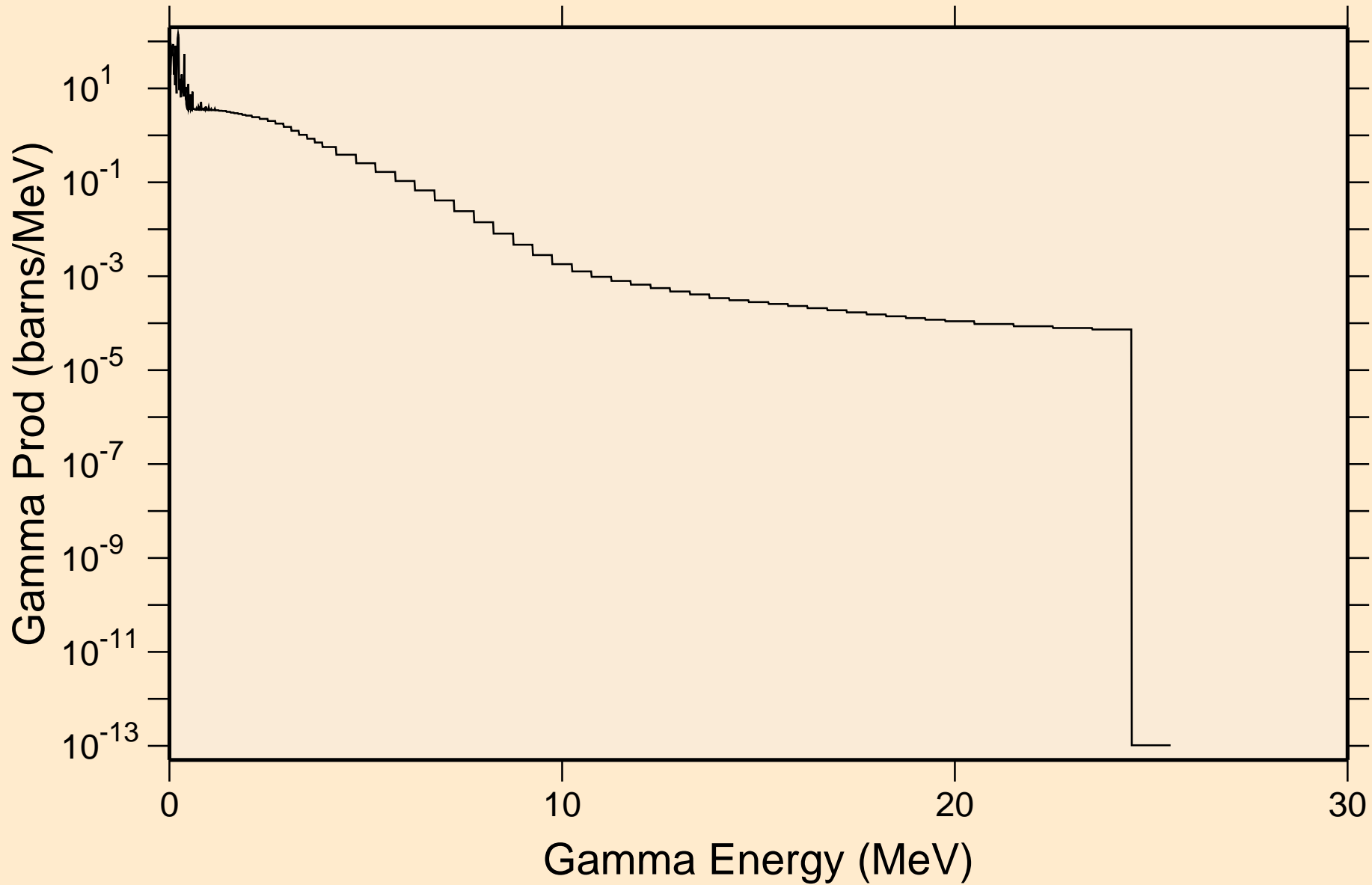
IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,da)



IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
thermal capture photon spectrum

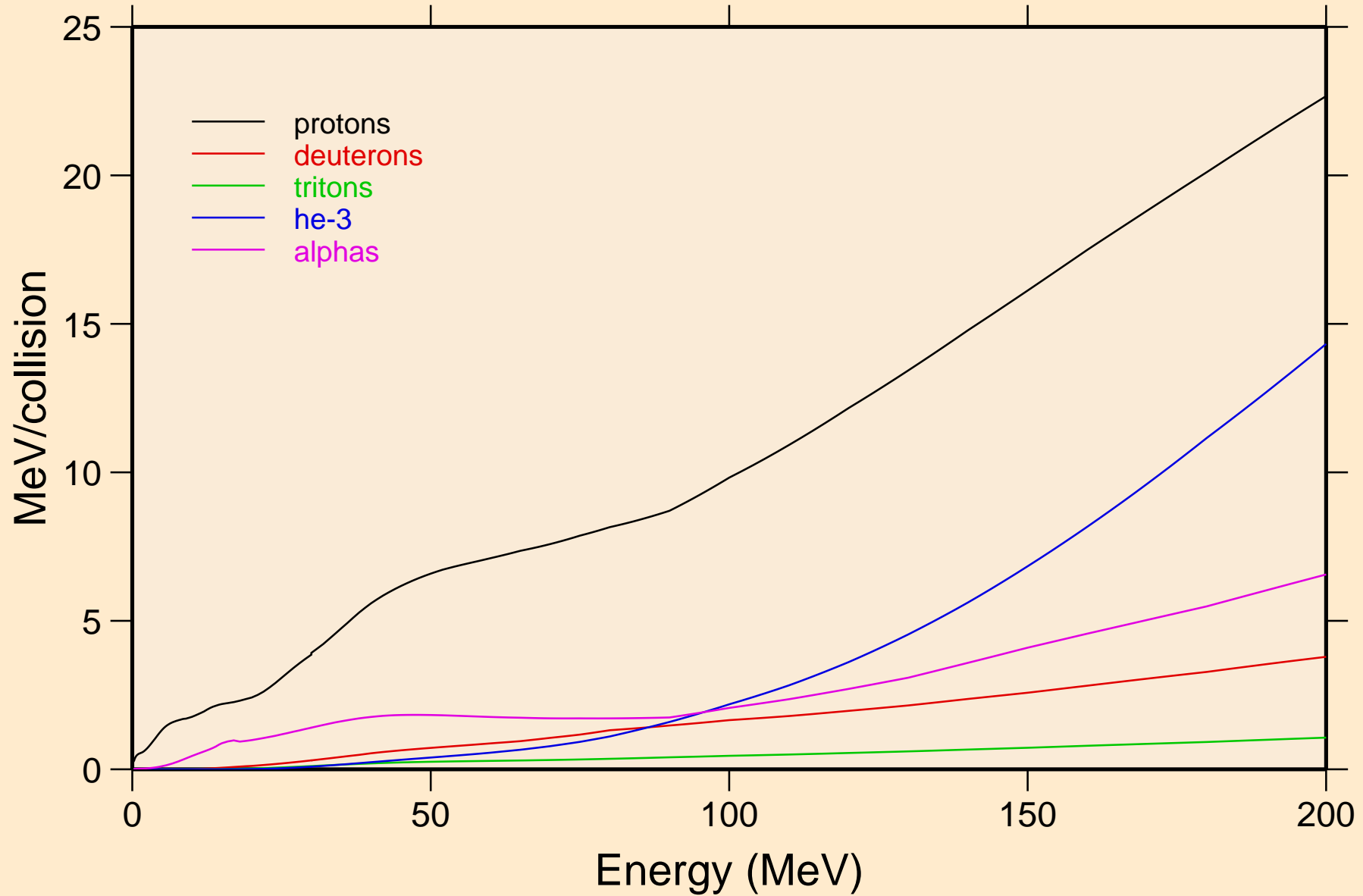


IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
14 MeV photon spectrum

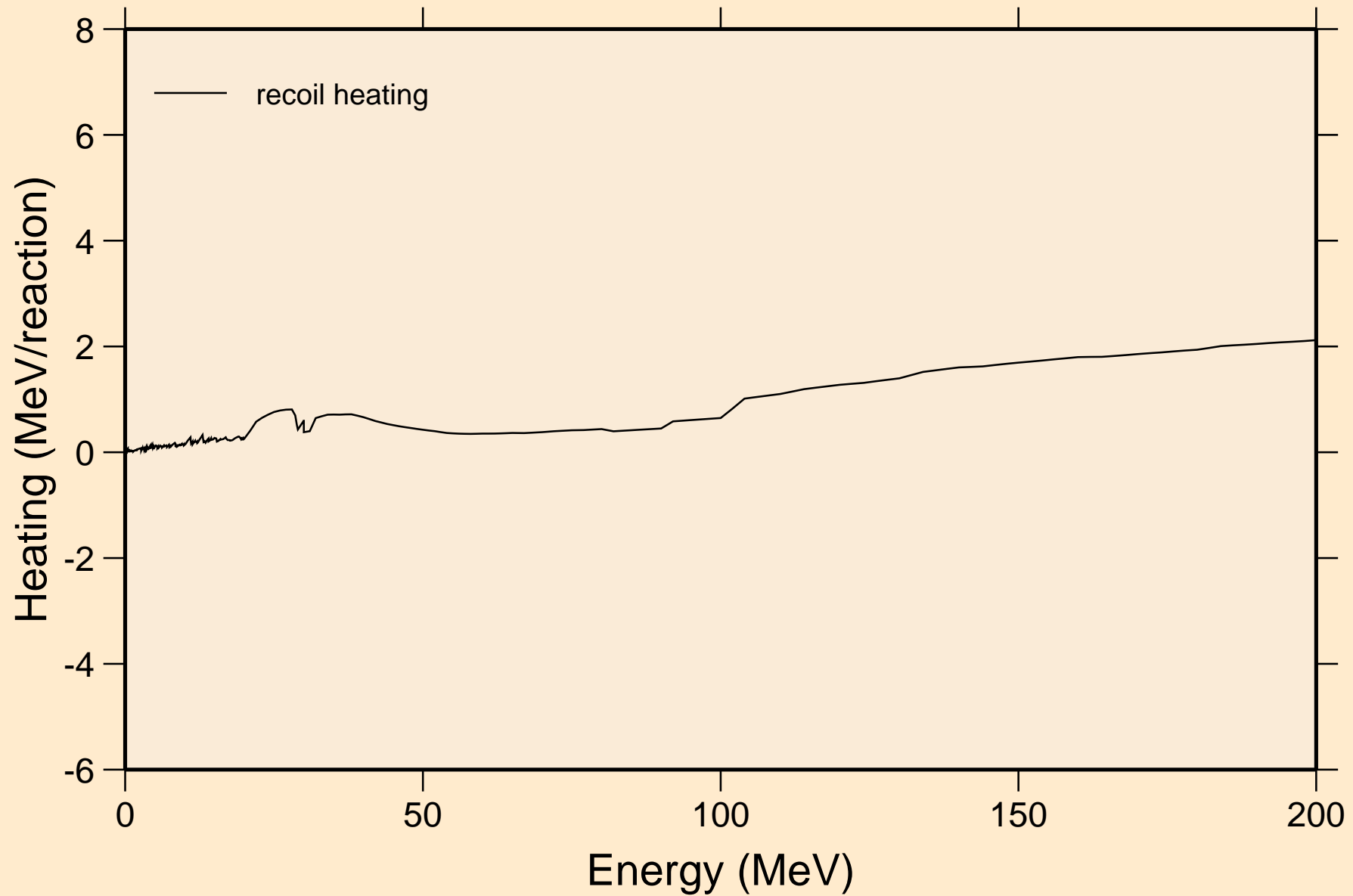


# IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

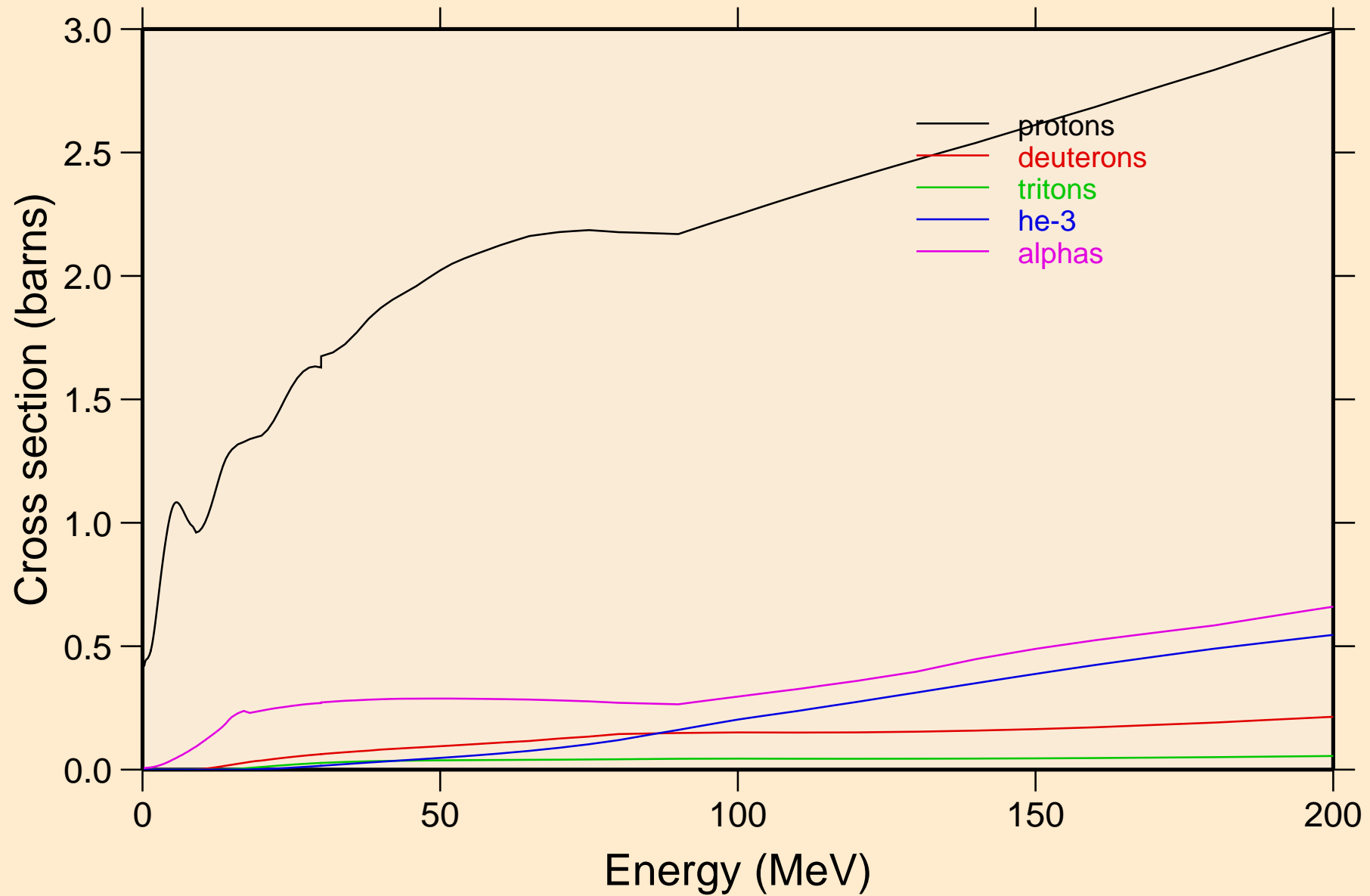
## Particle heating contributions



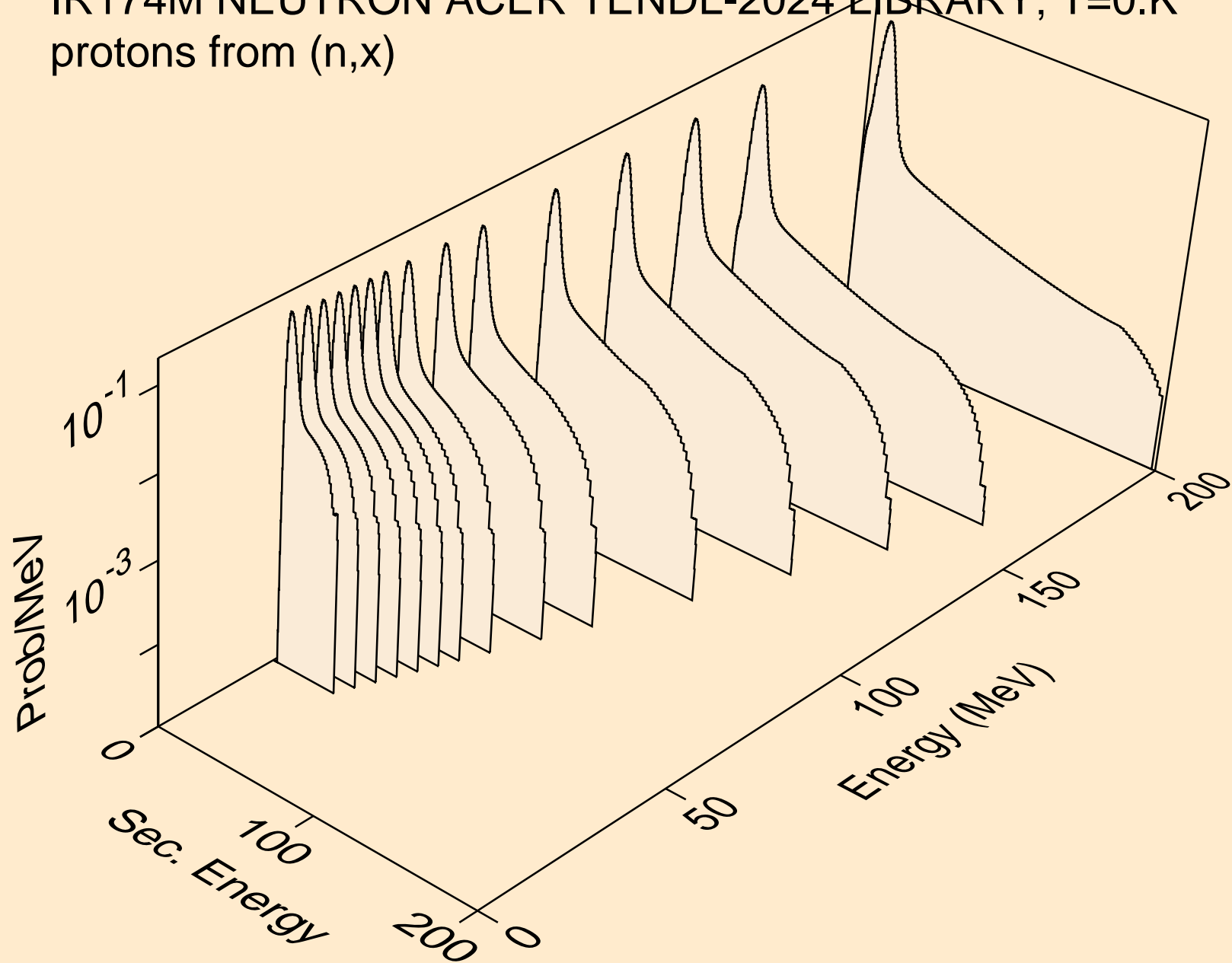
IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Recoil Heating



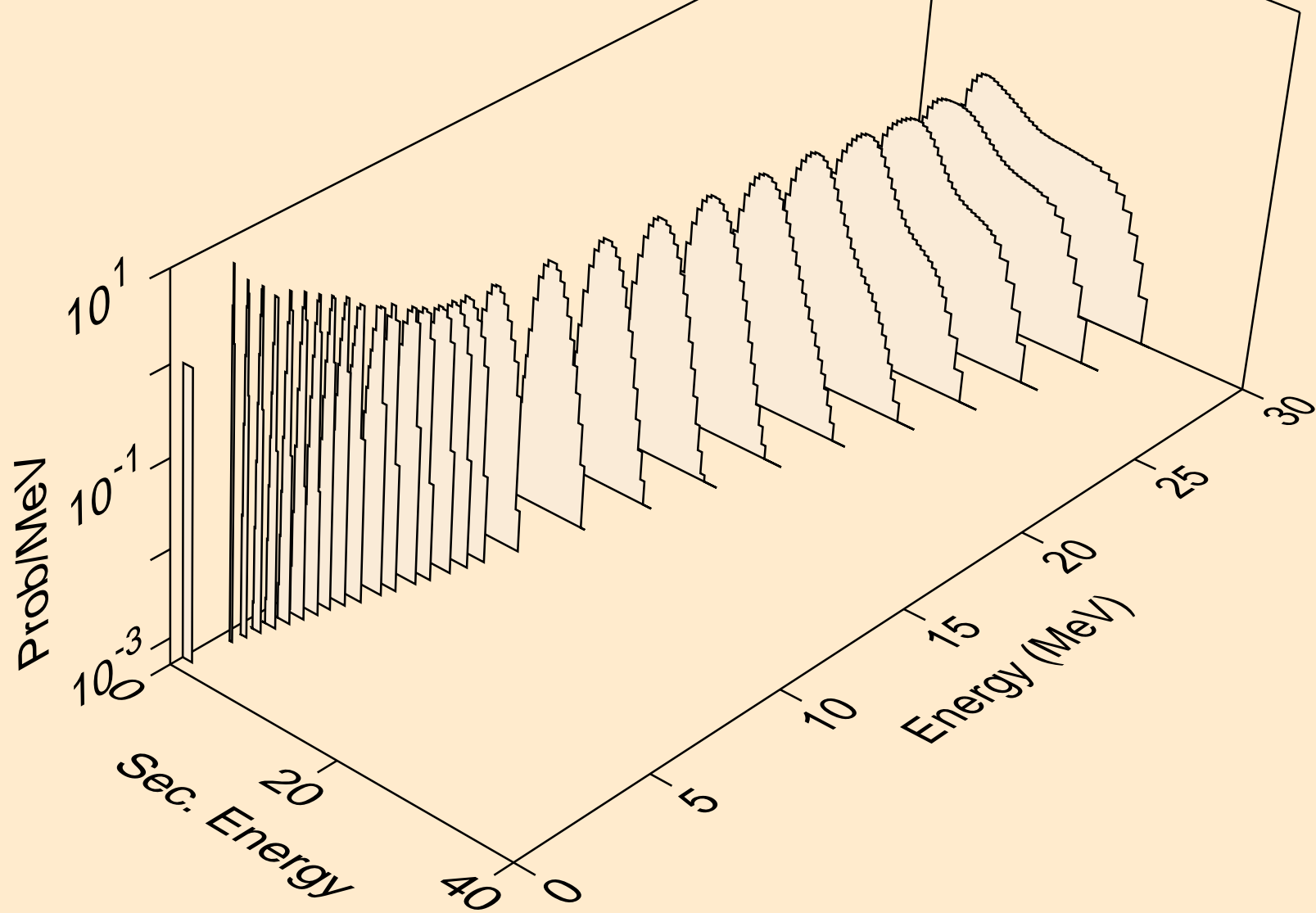
IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Particle production cross sections



IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,x)

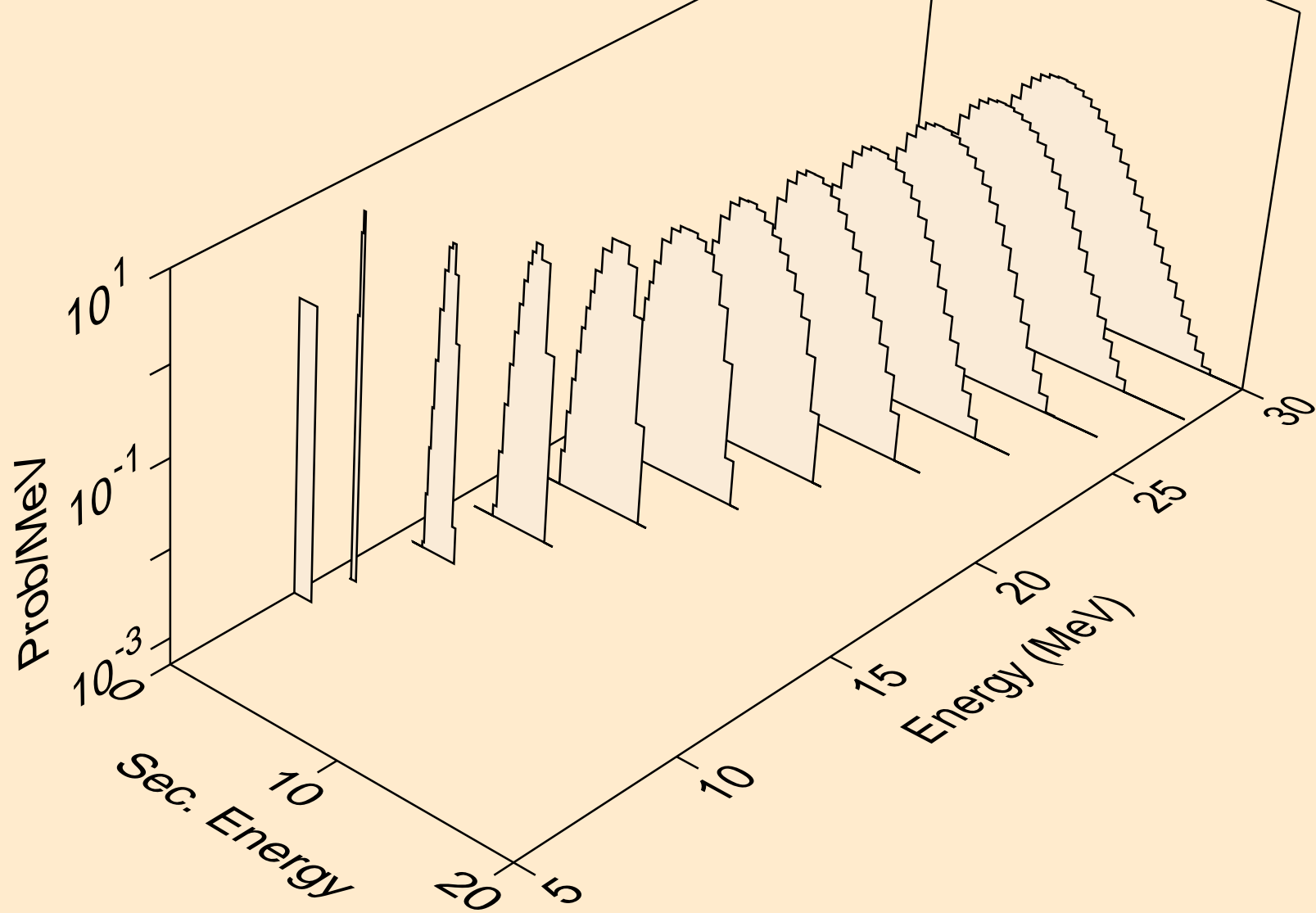


IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,n\*)p

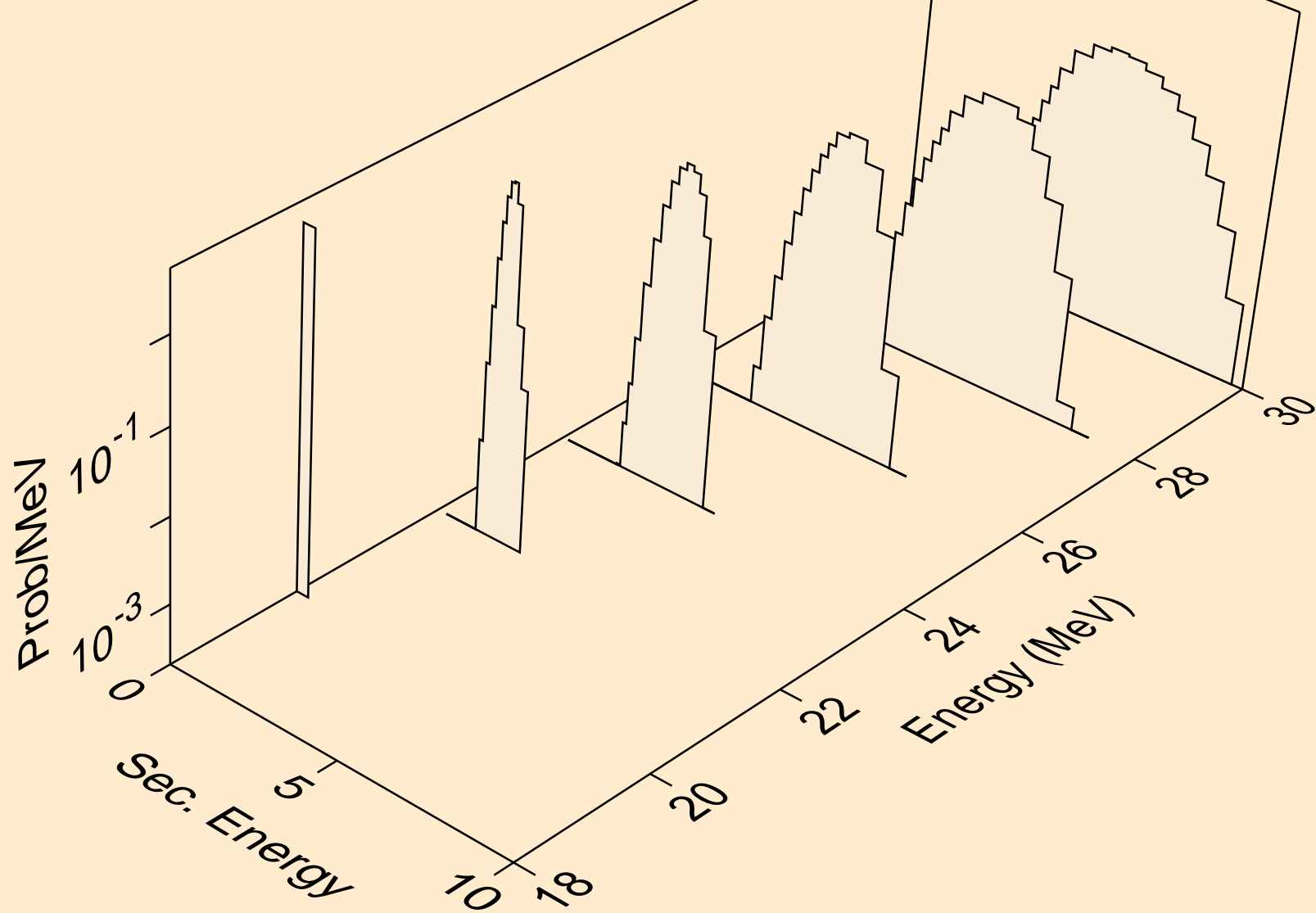




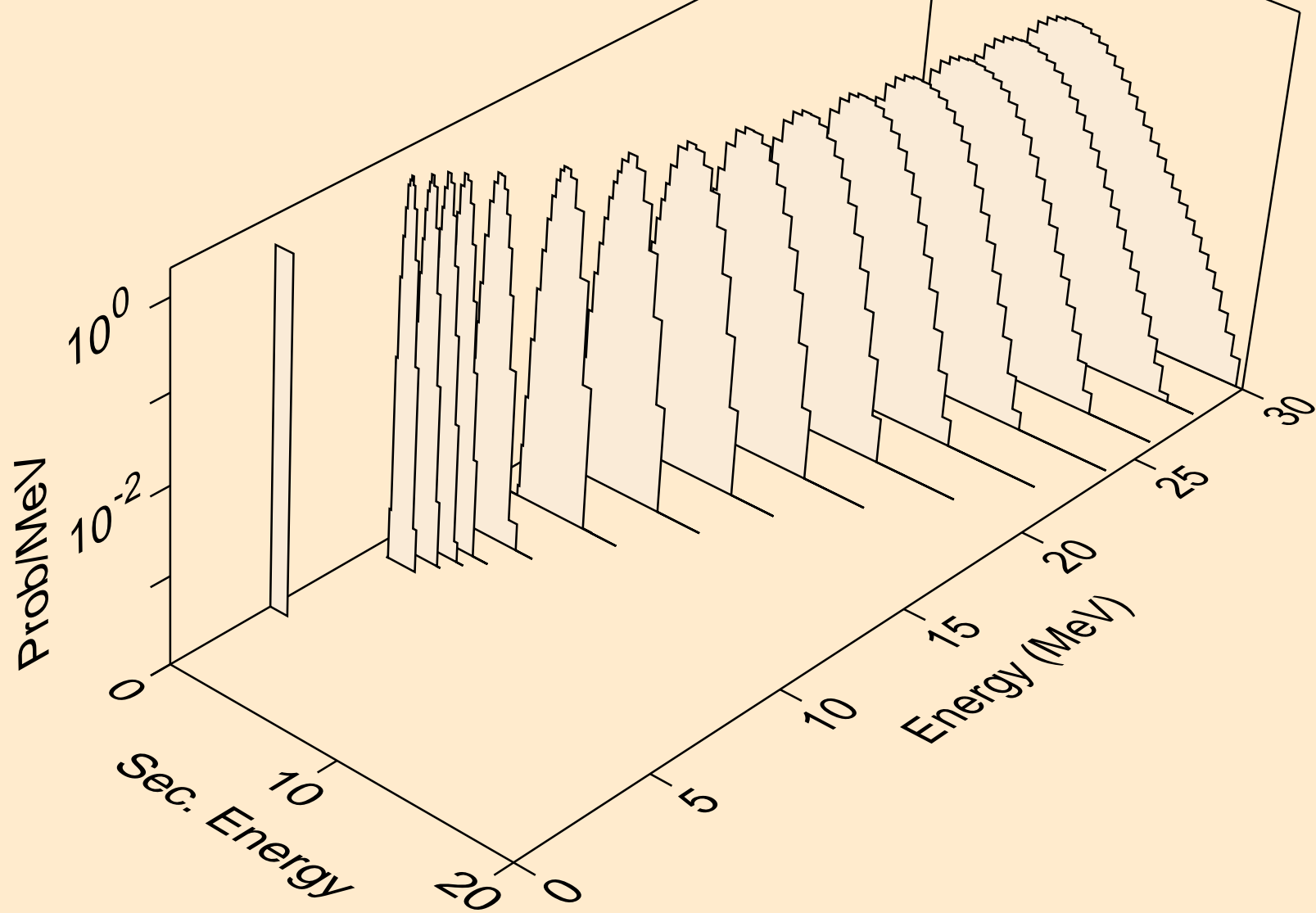
IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,2np)



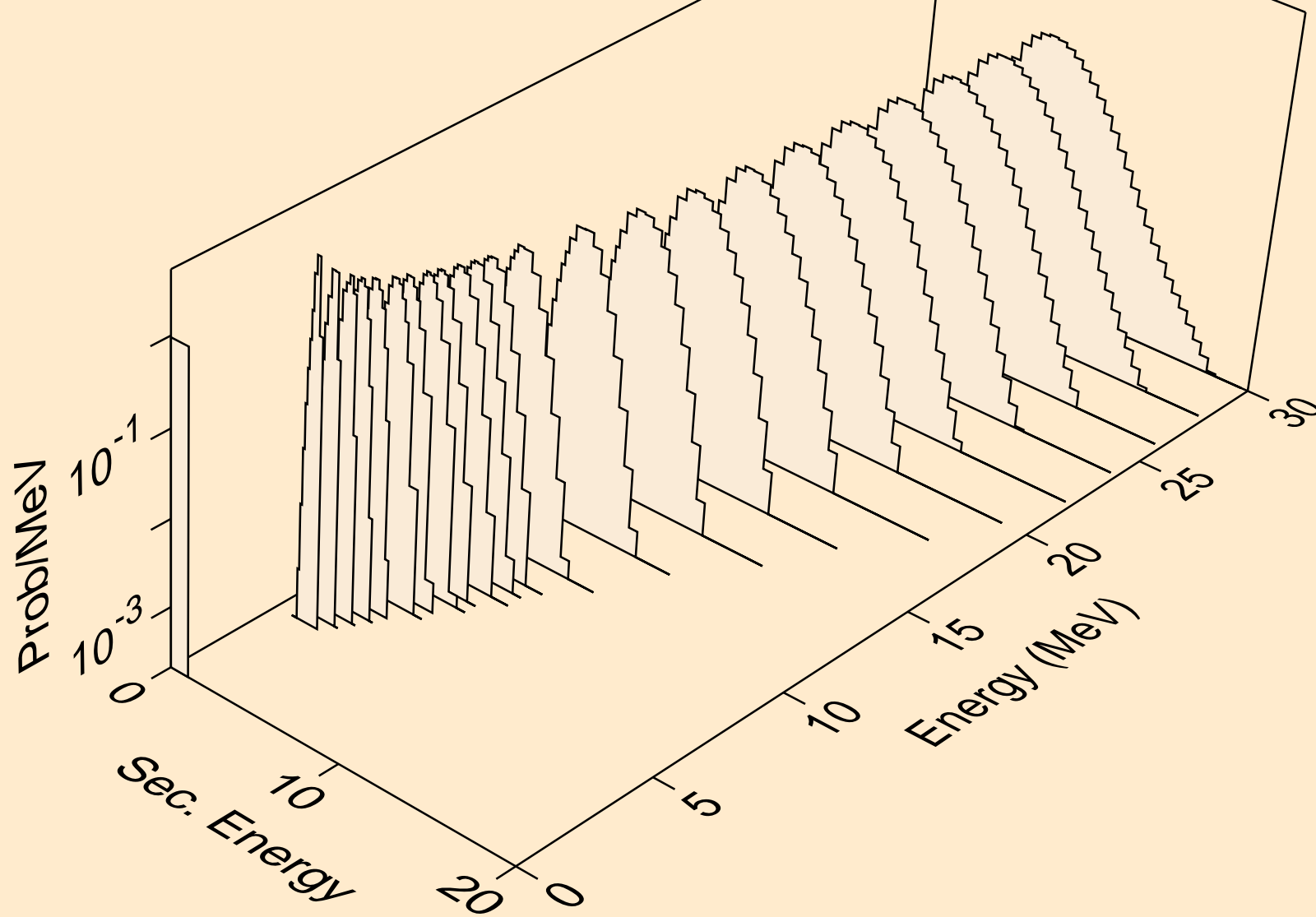
IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,3np)



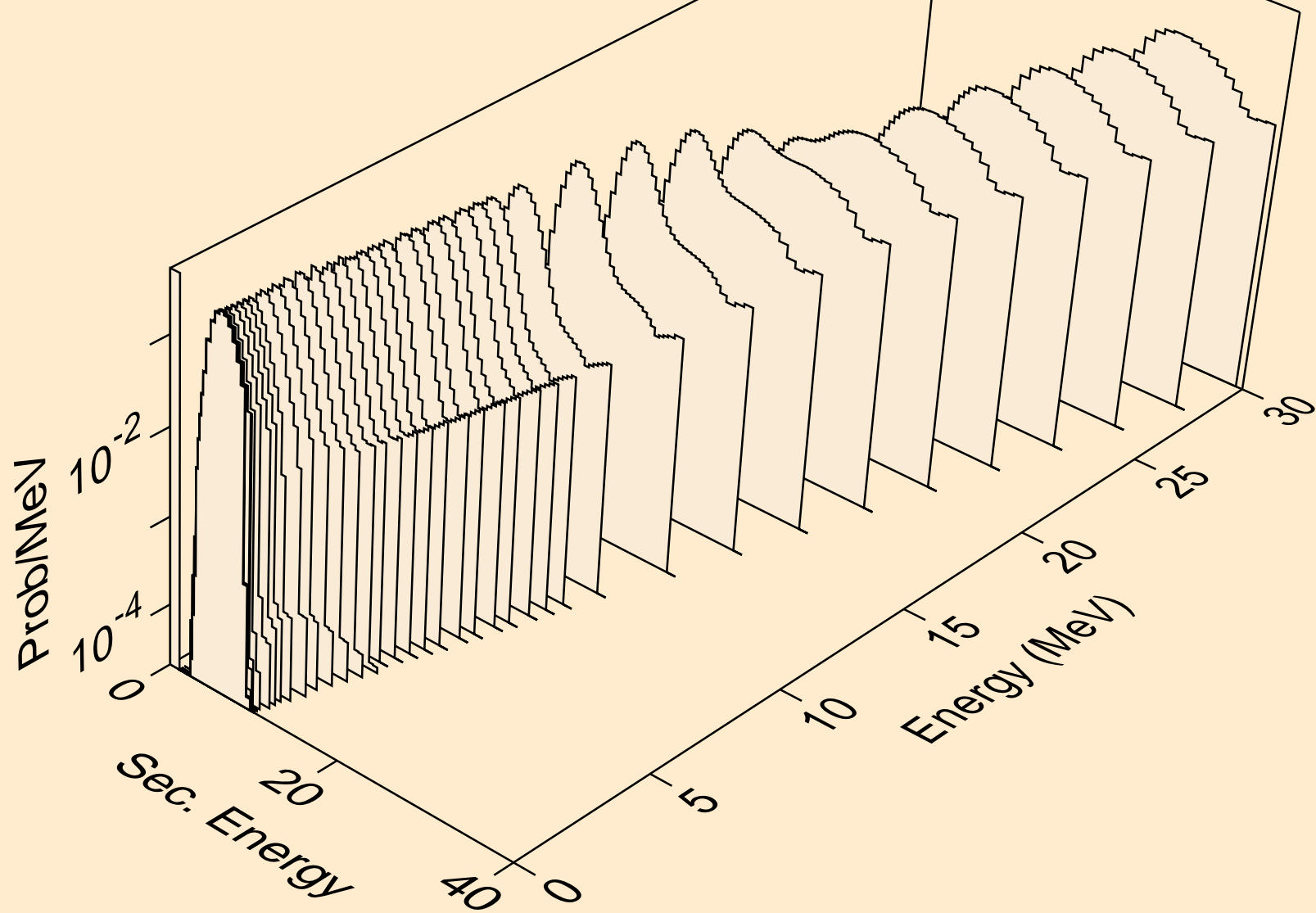
IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,n2p)



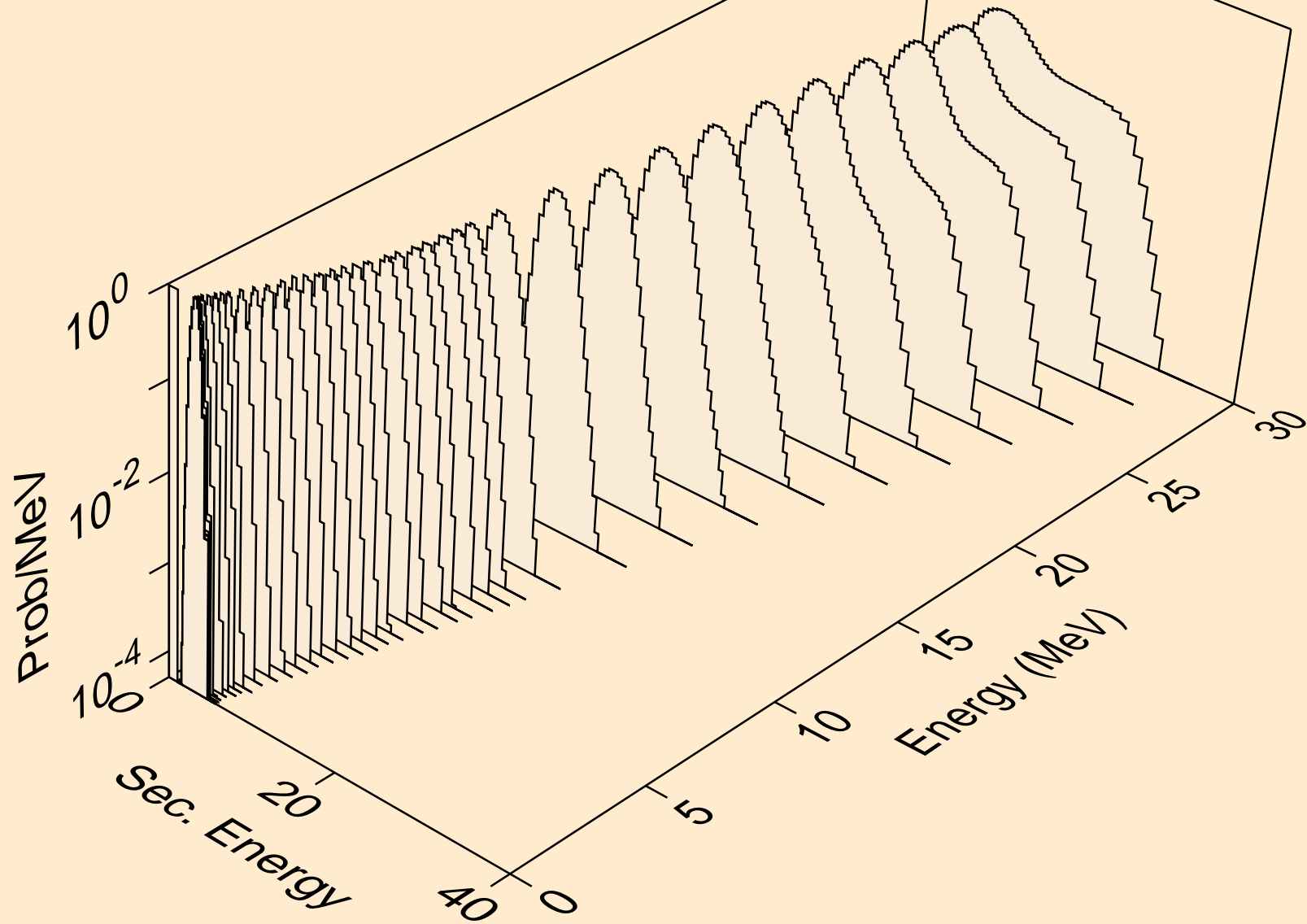
IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,npa)



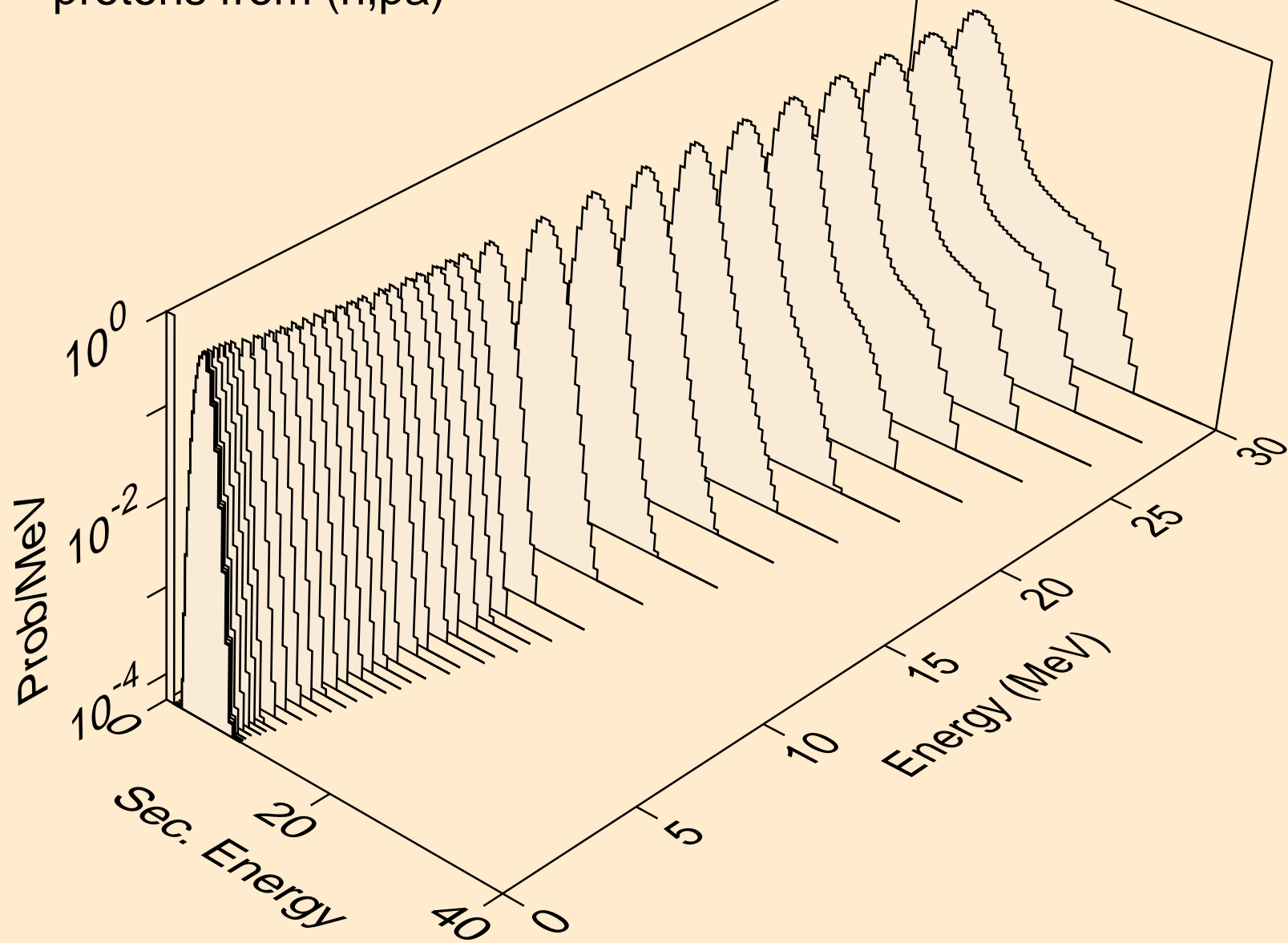
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protons from (n,p)



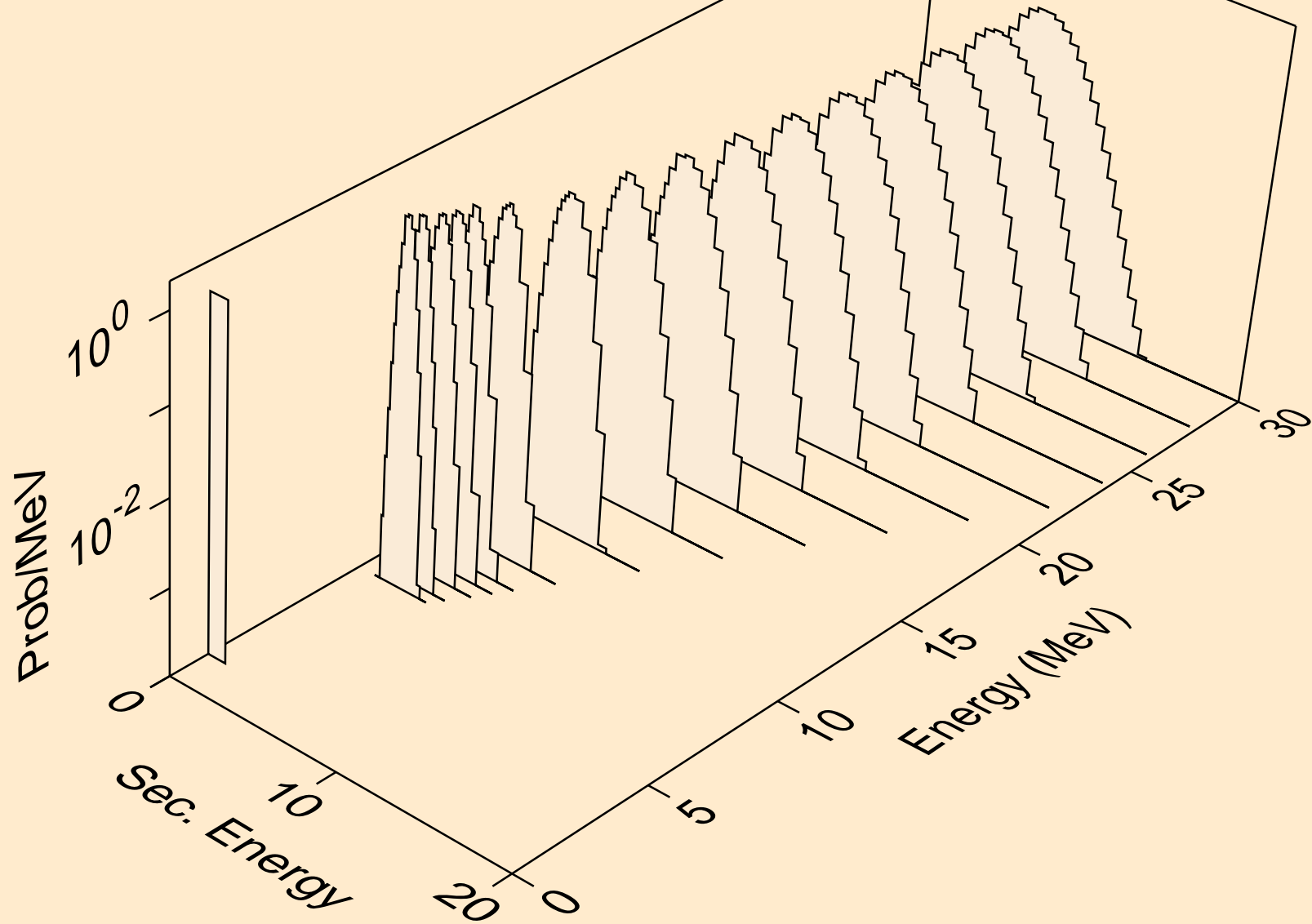
IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,2p)



IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,p)

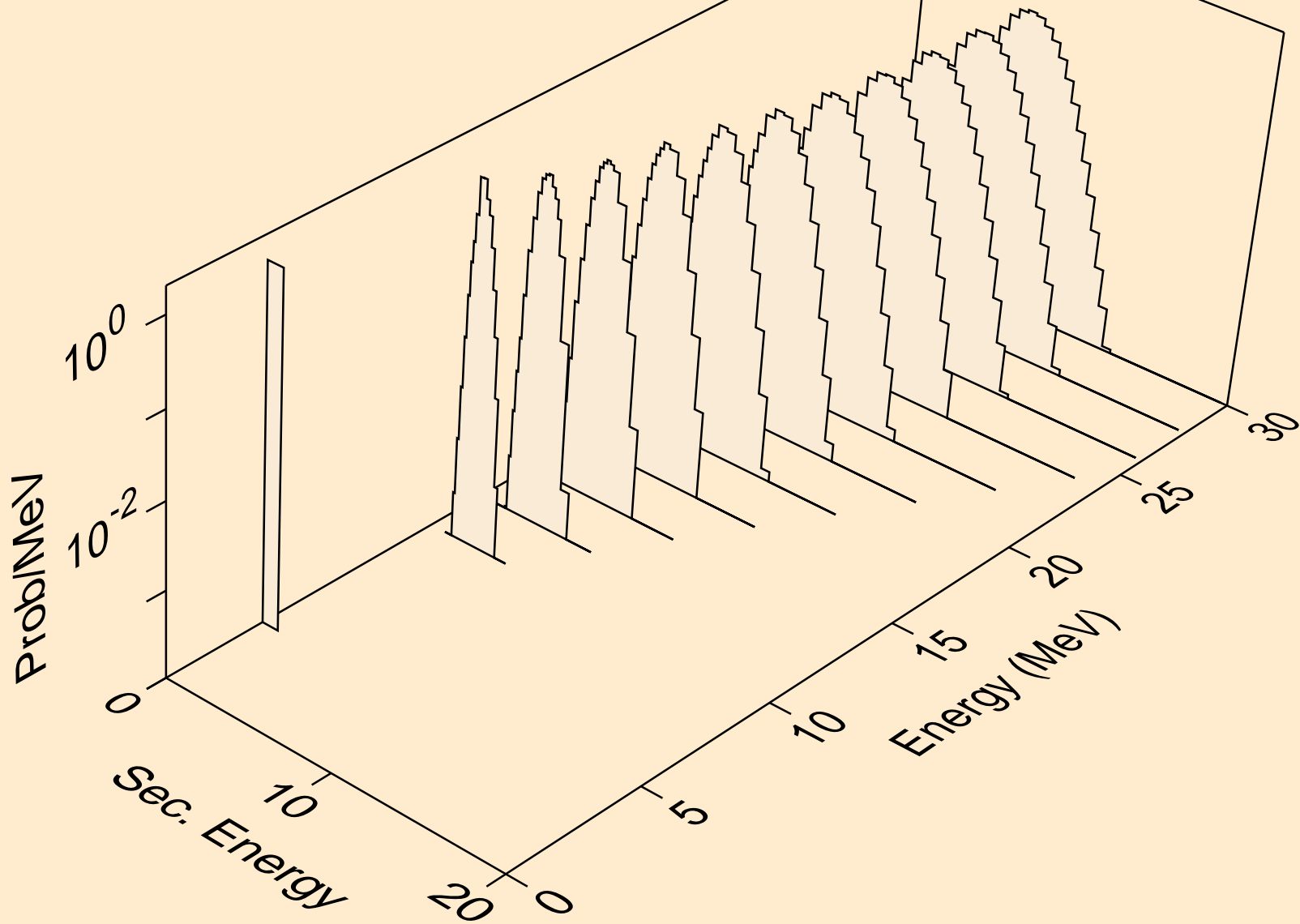


IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,pd)

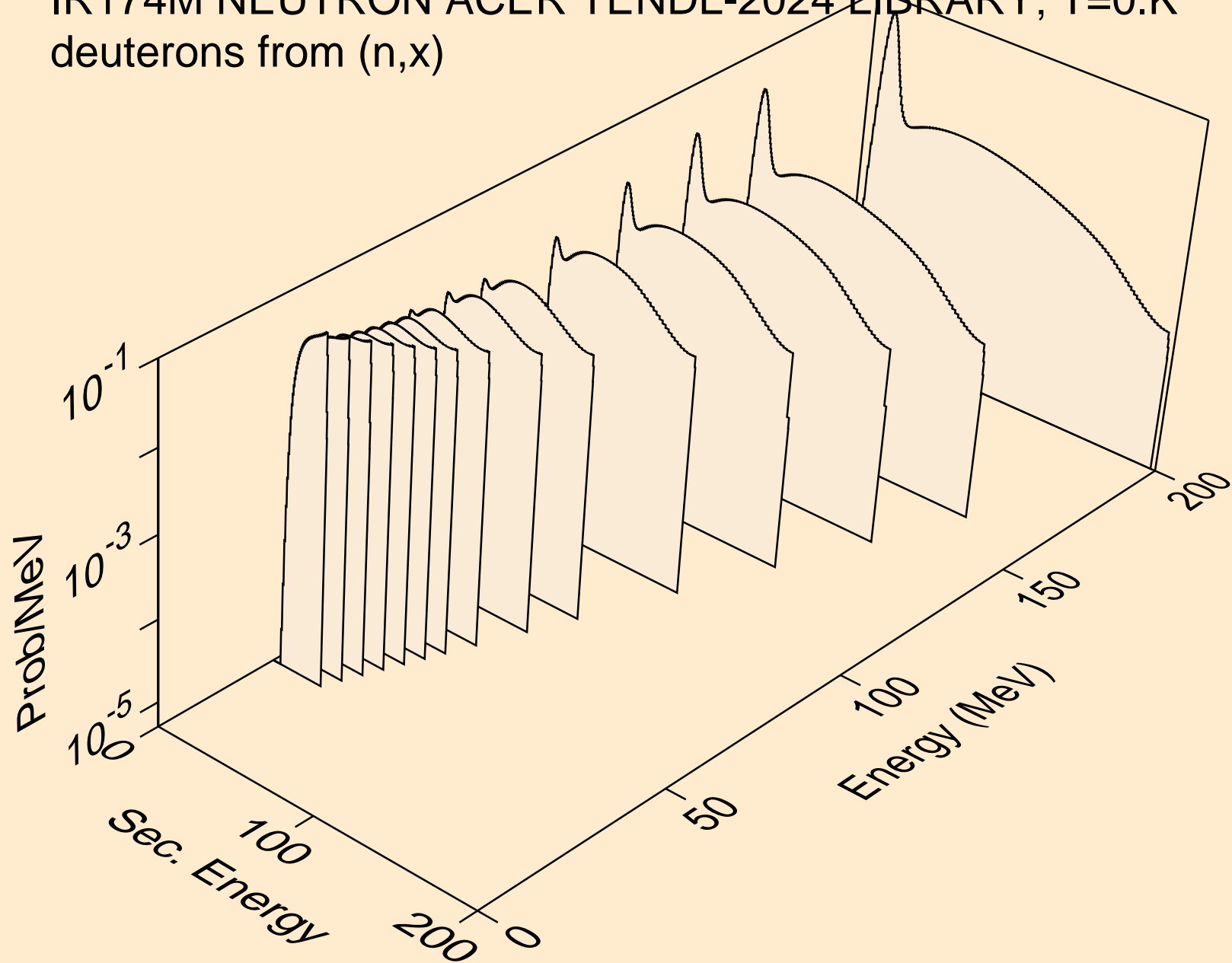




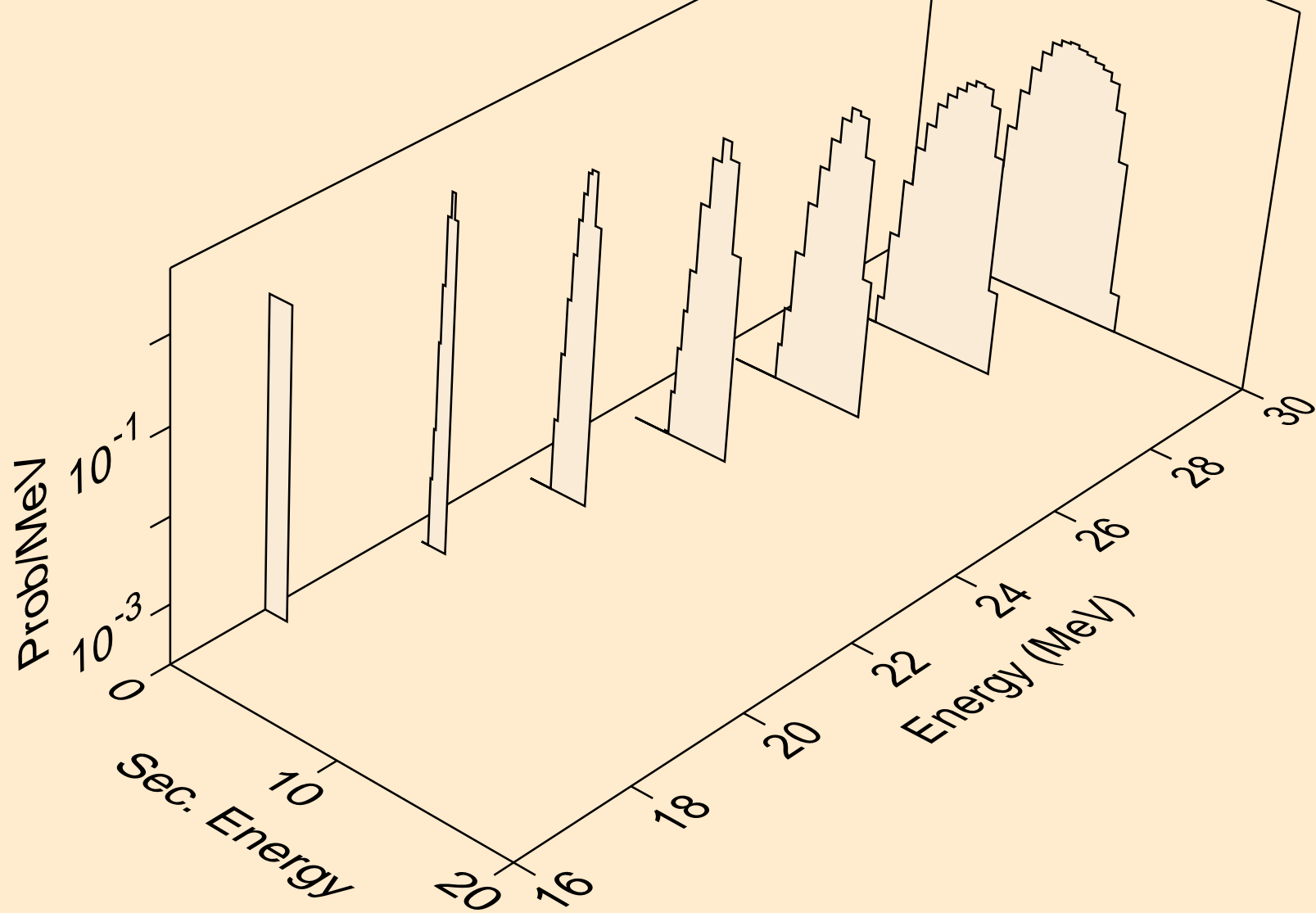
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protons from (n,pt)



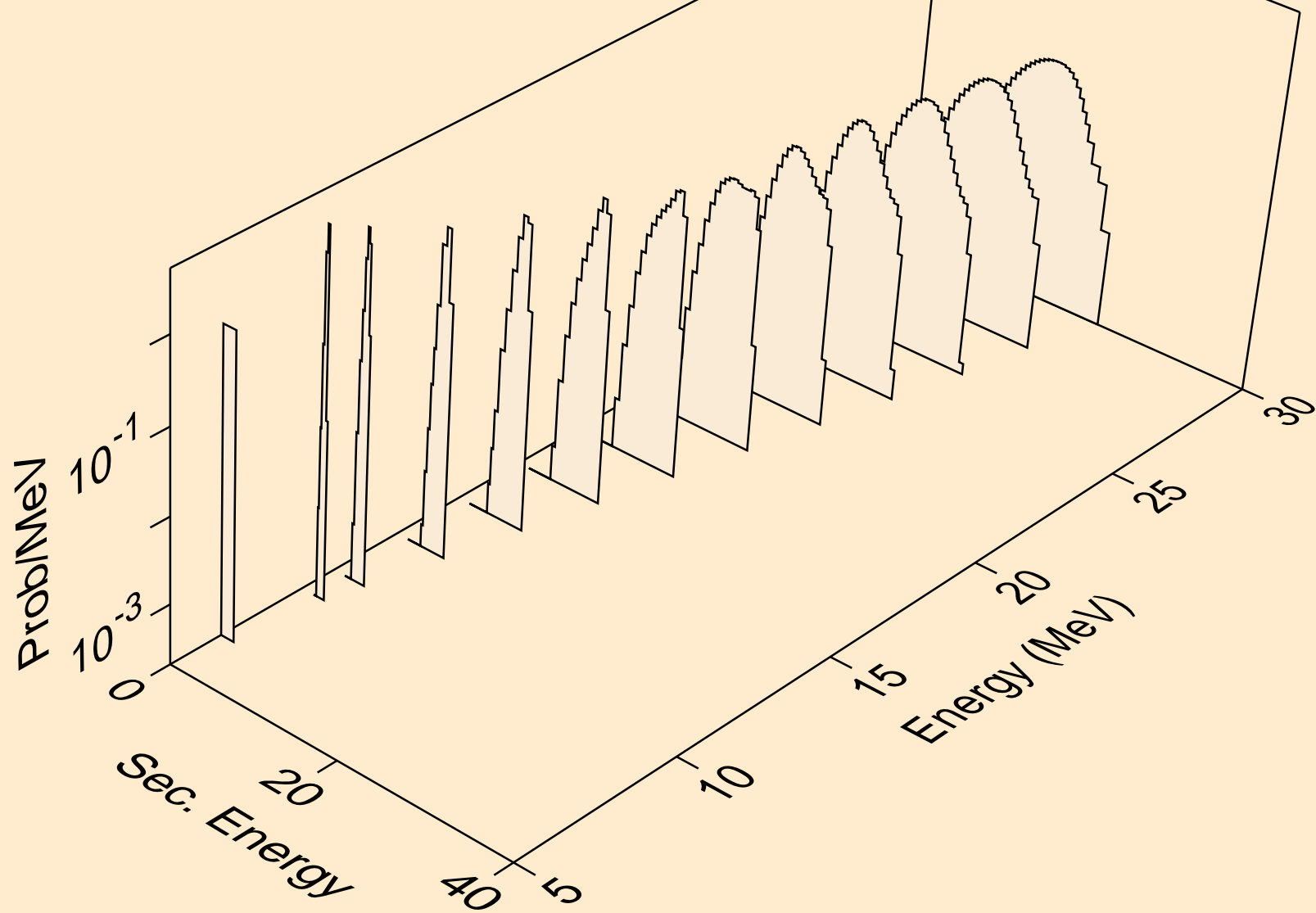
IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,x)



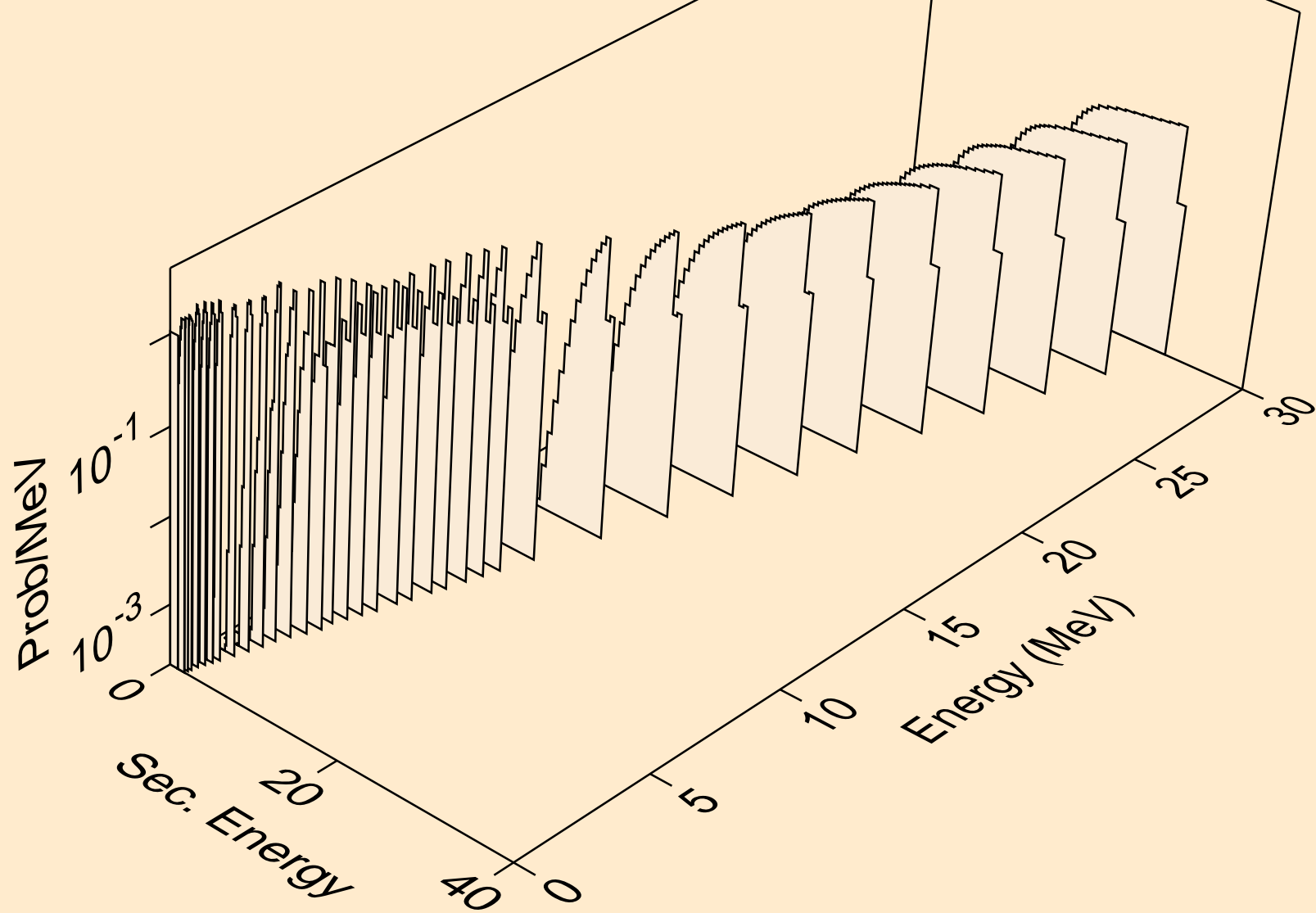
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deuterons from (n,2nd)



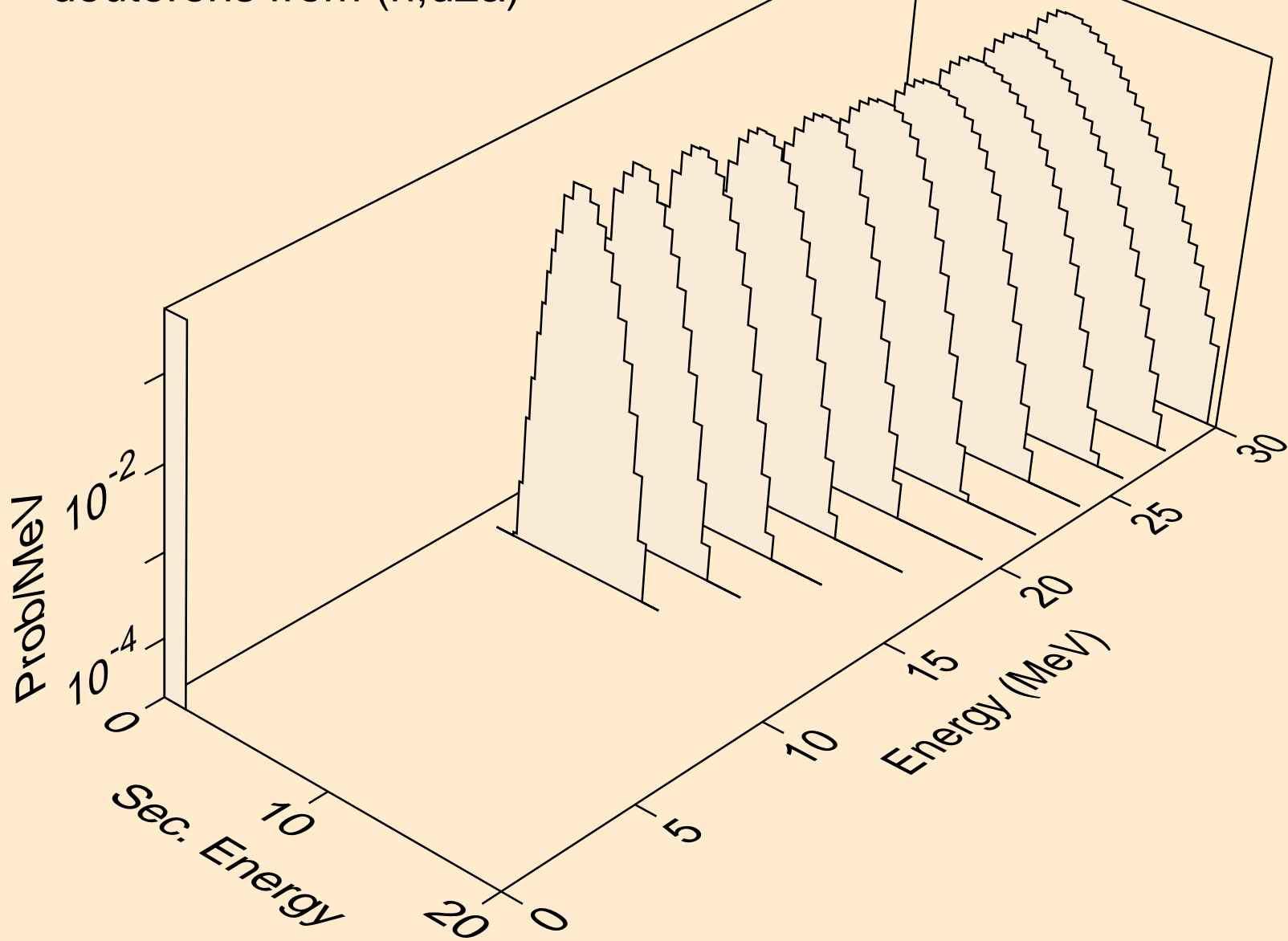
IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,n\*)d



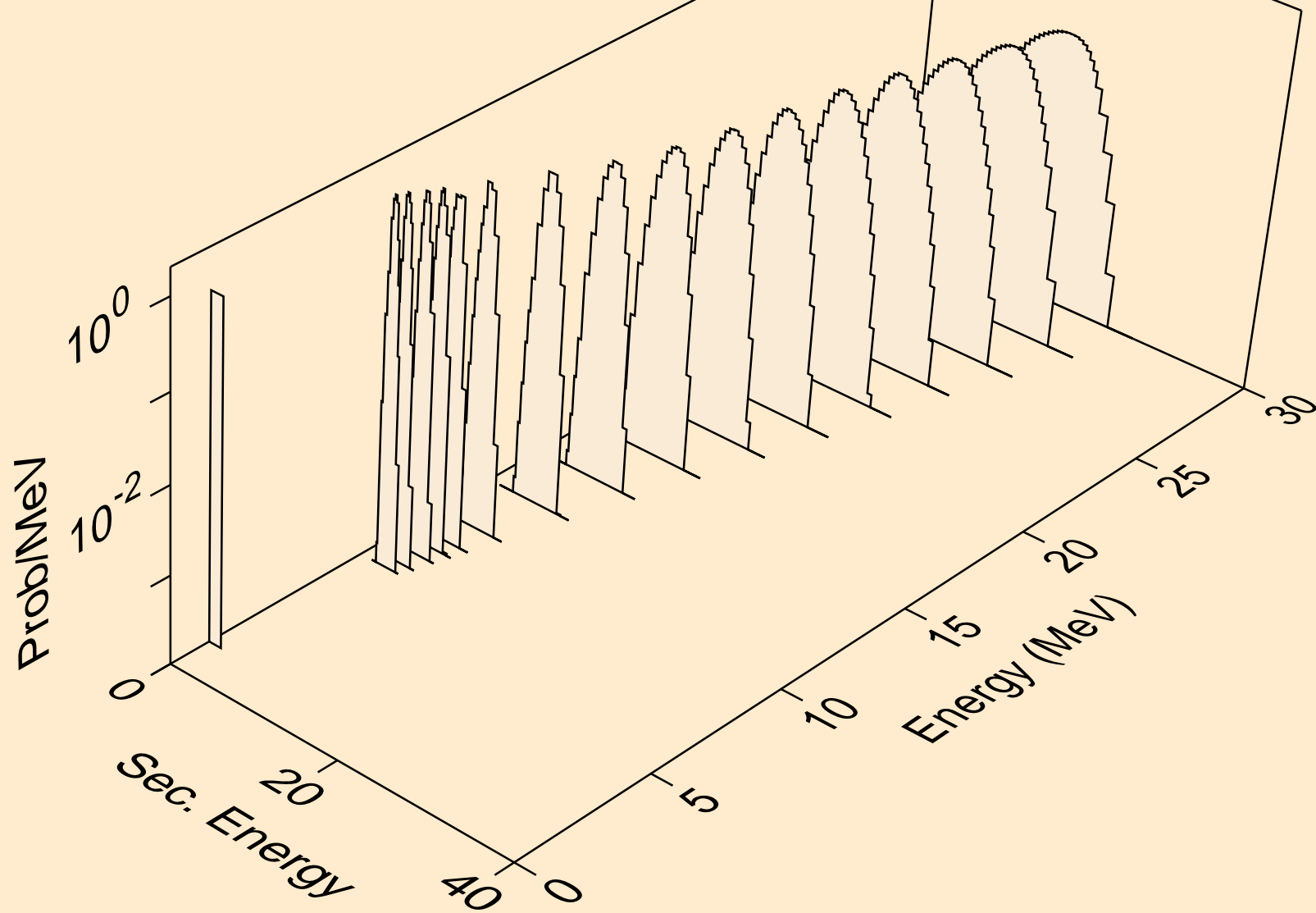
IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,d)



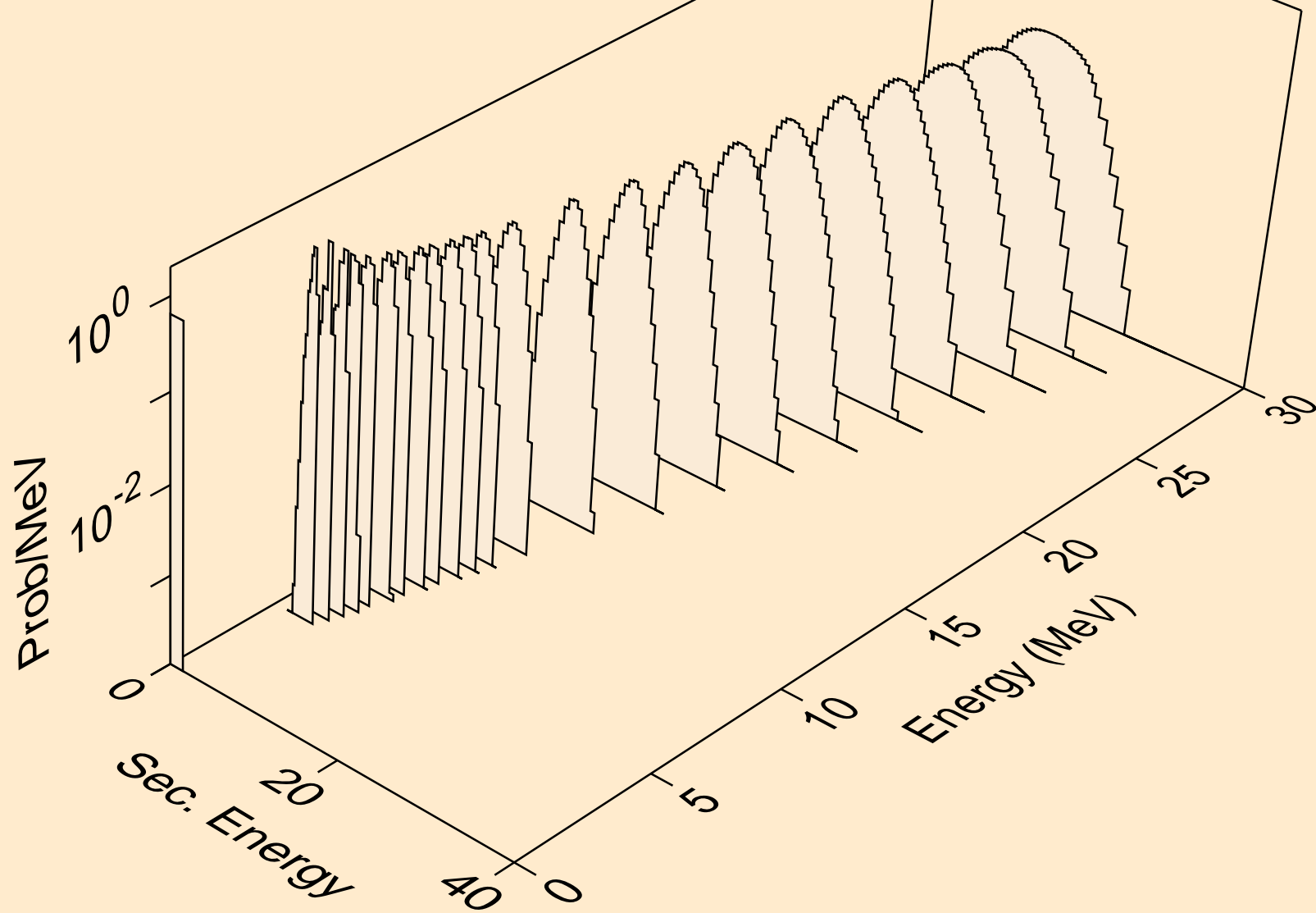
IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,d2a)



IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,pd)

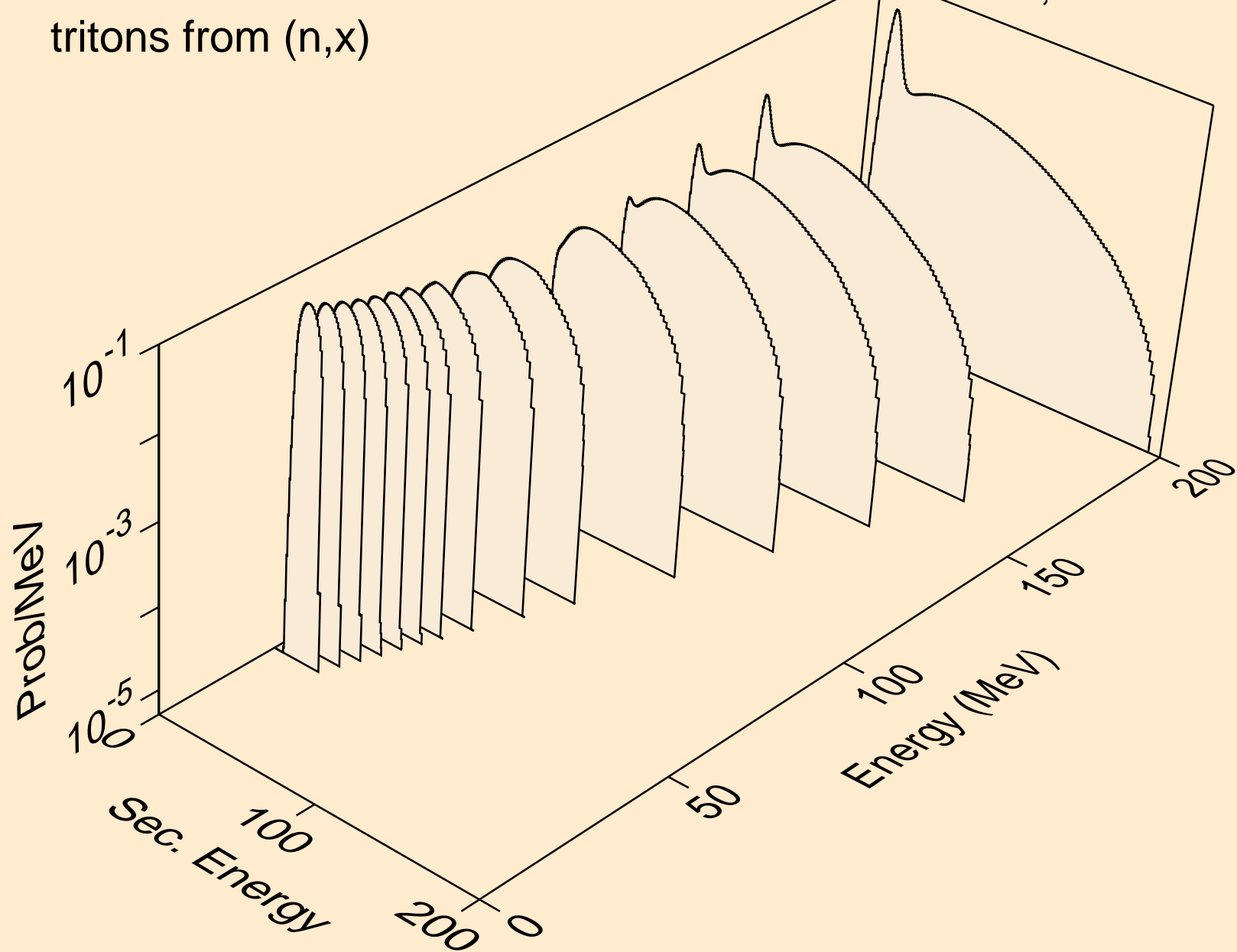


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deuterons from (n,da)

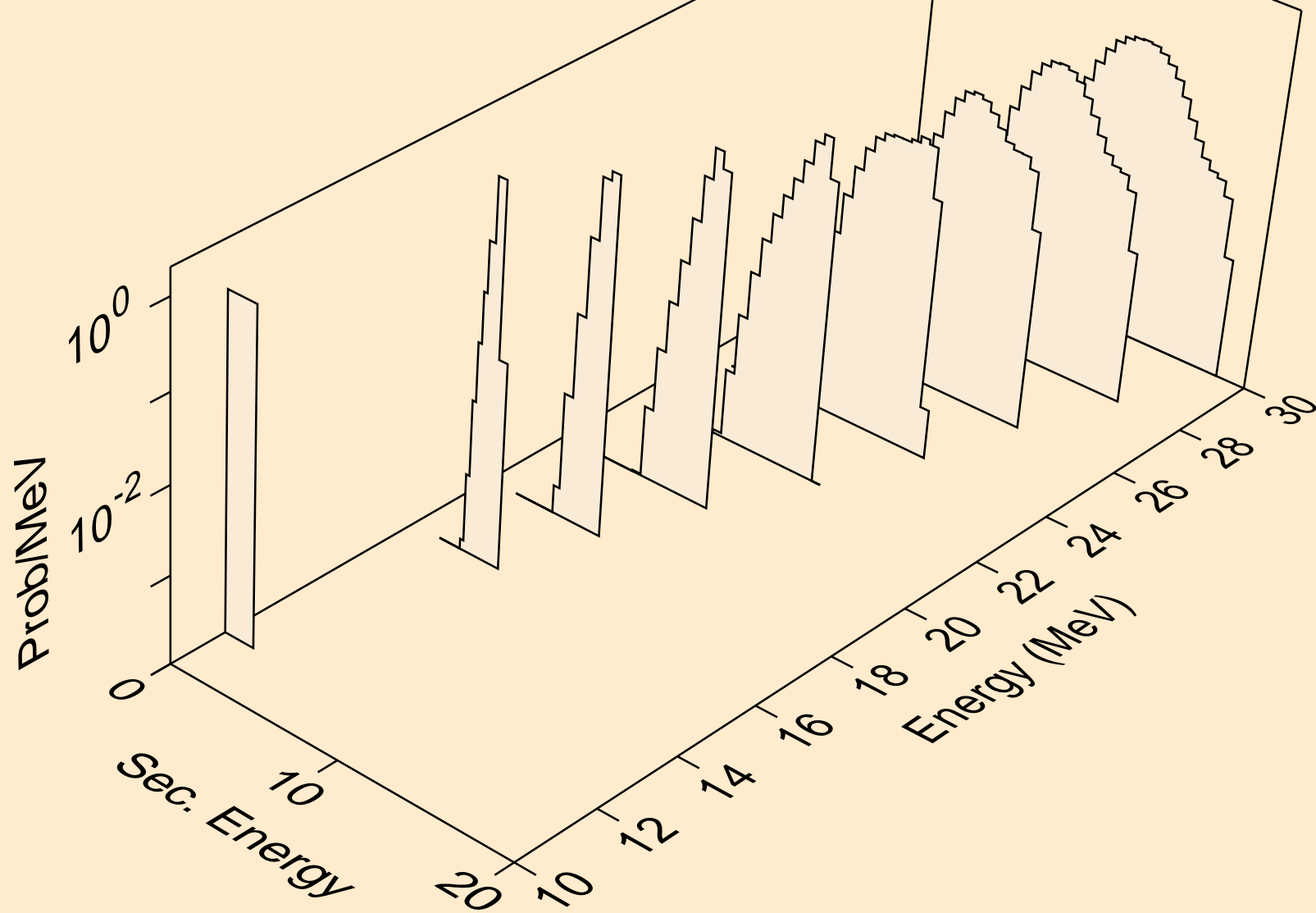




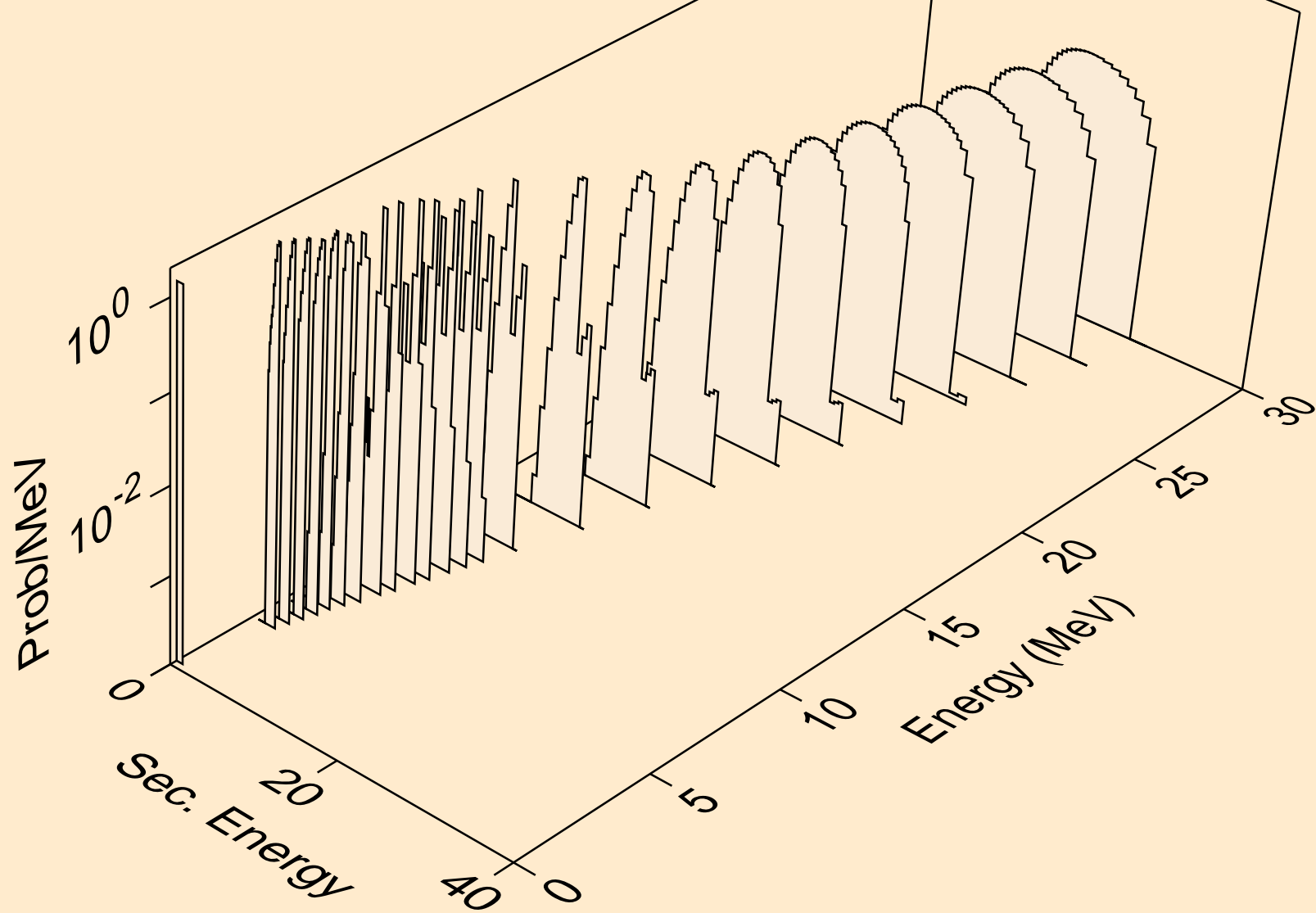
IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,x)



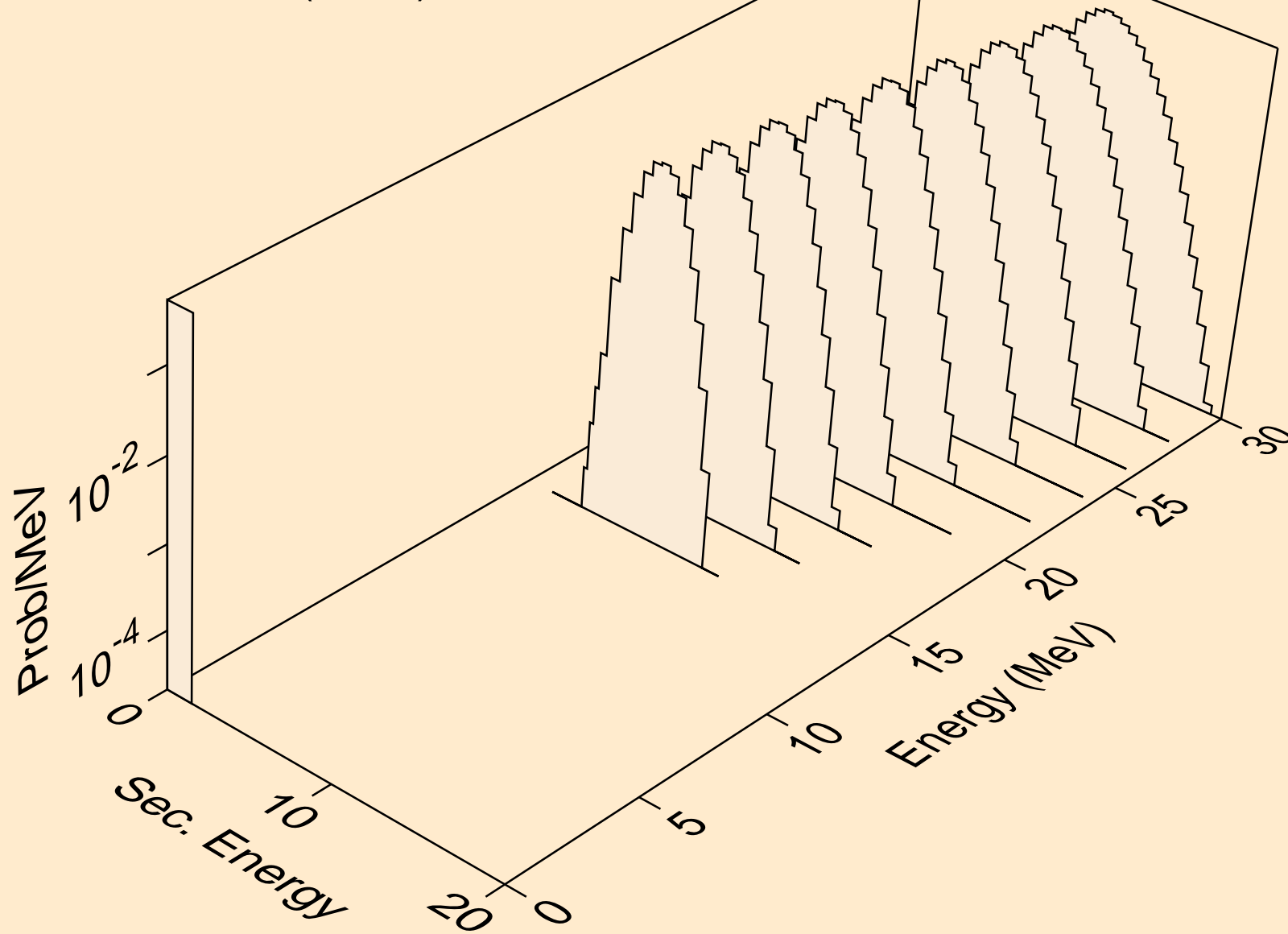
IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,n\*)t



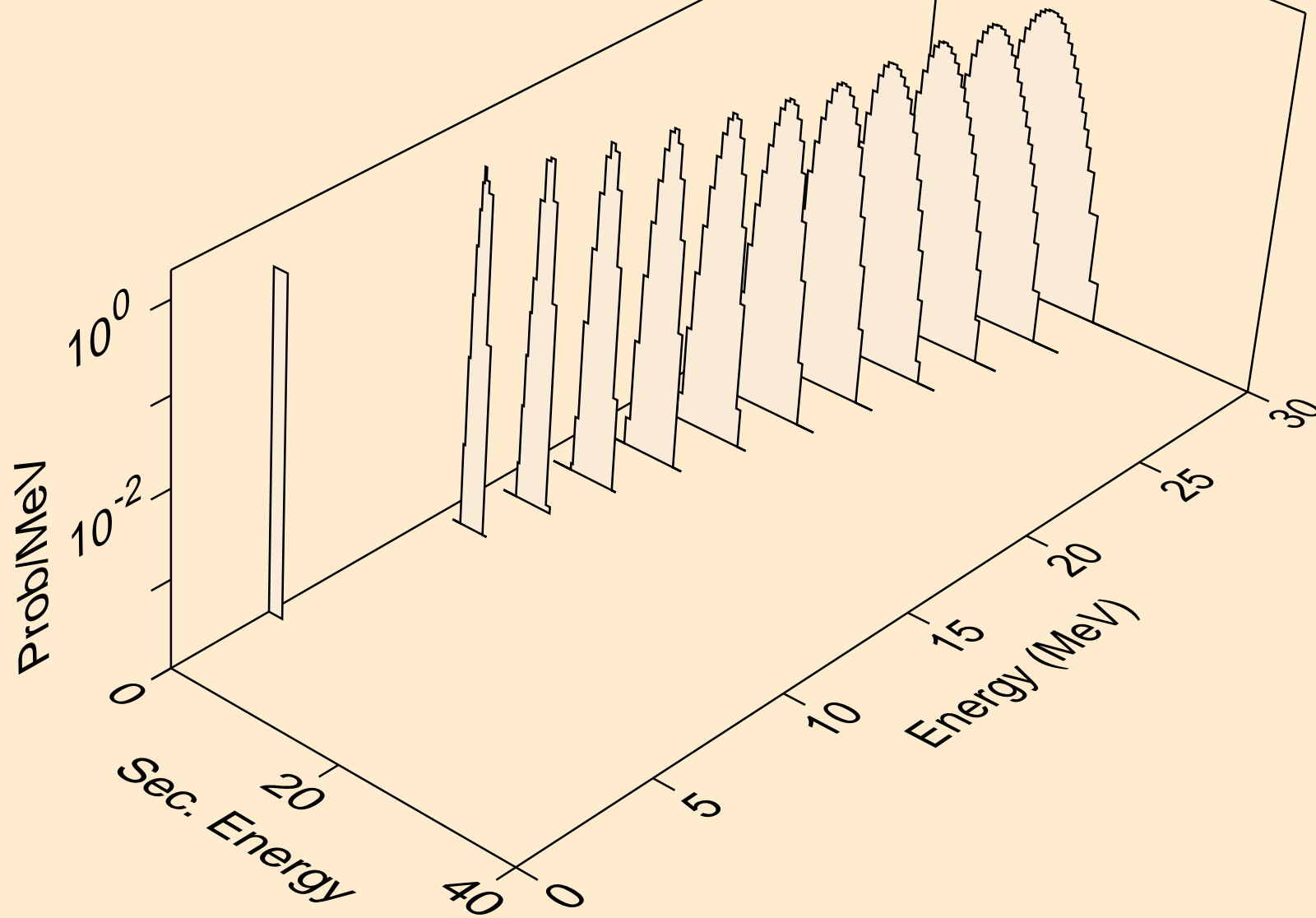
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tritons from (n,t)



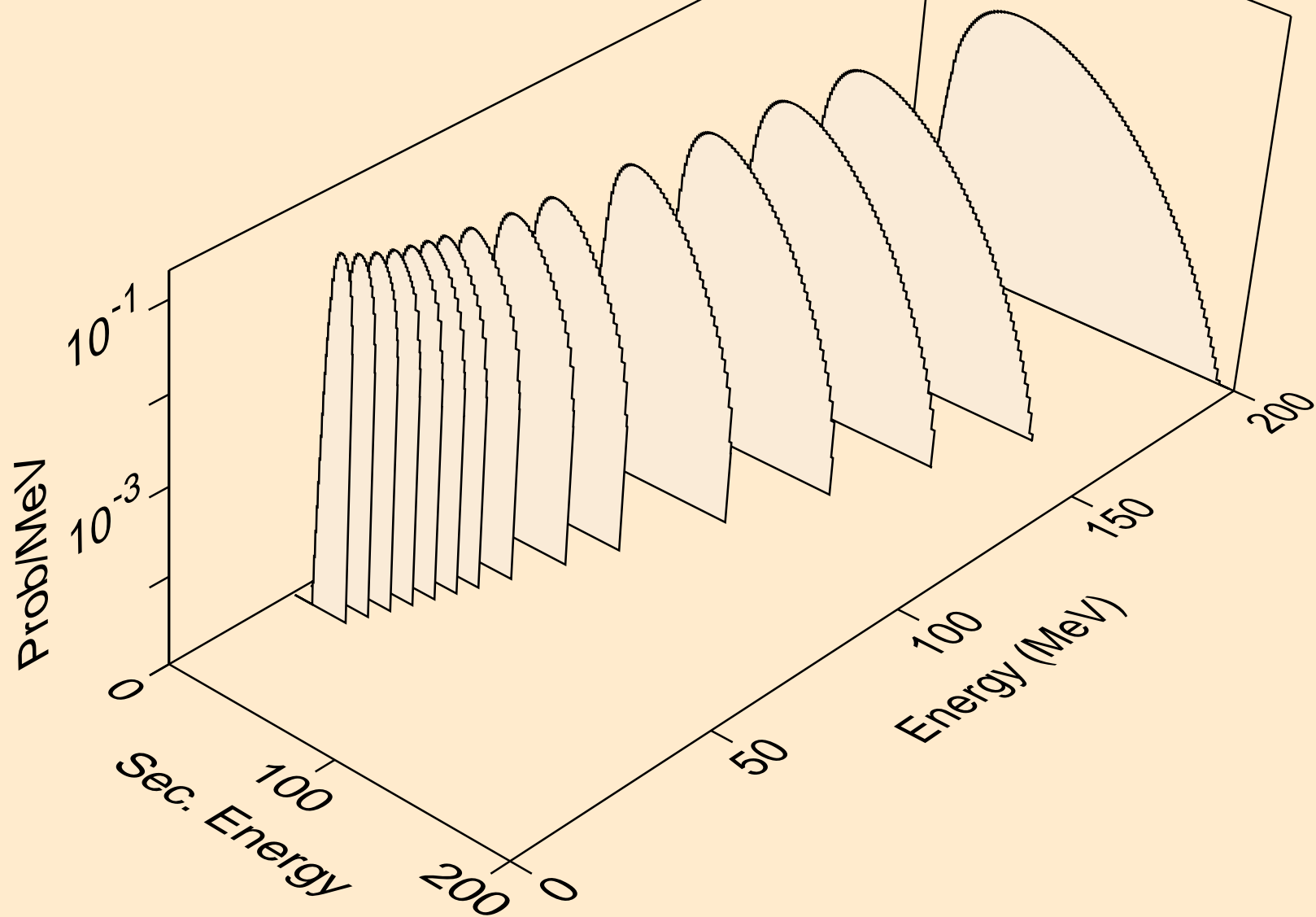
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tritons from (n,t2a)



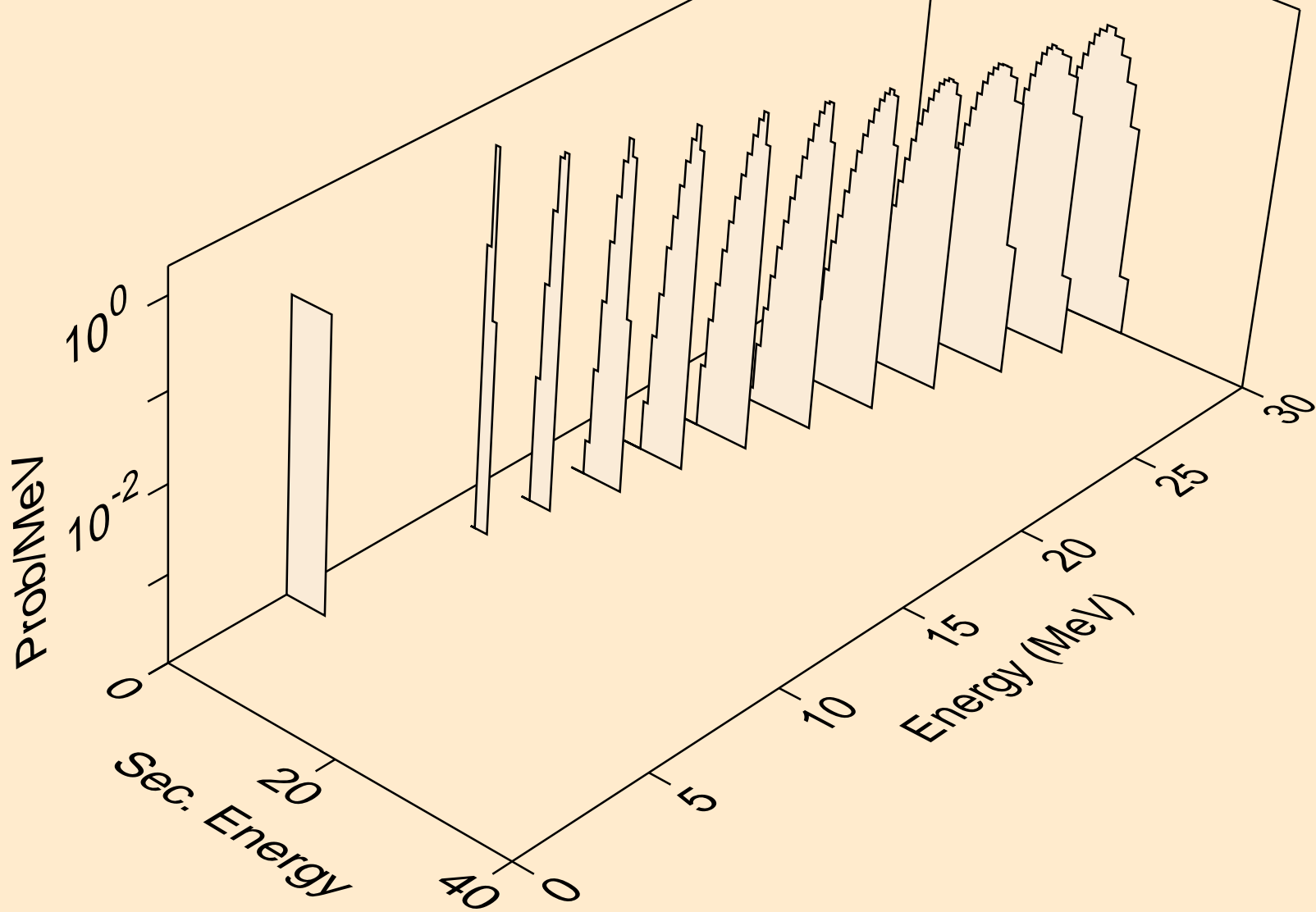
IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,pt)



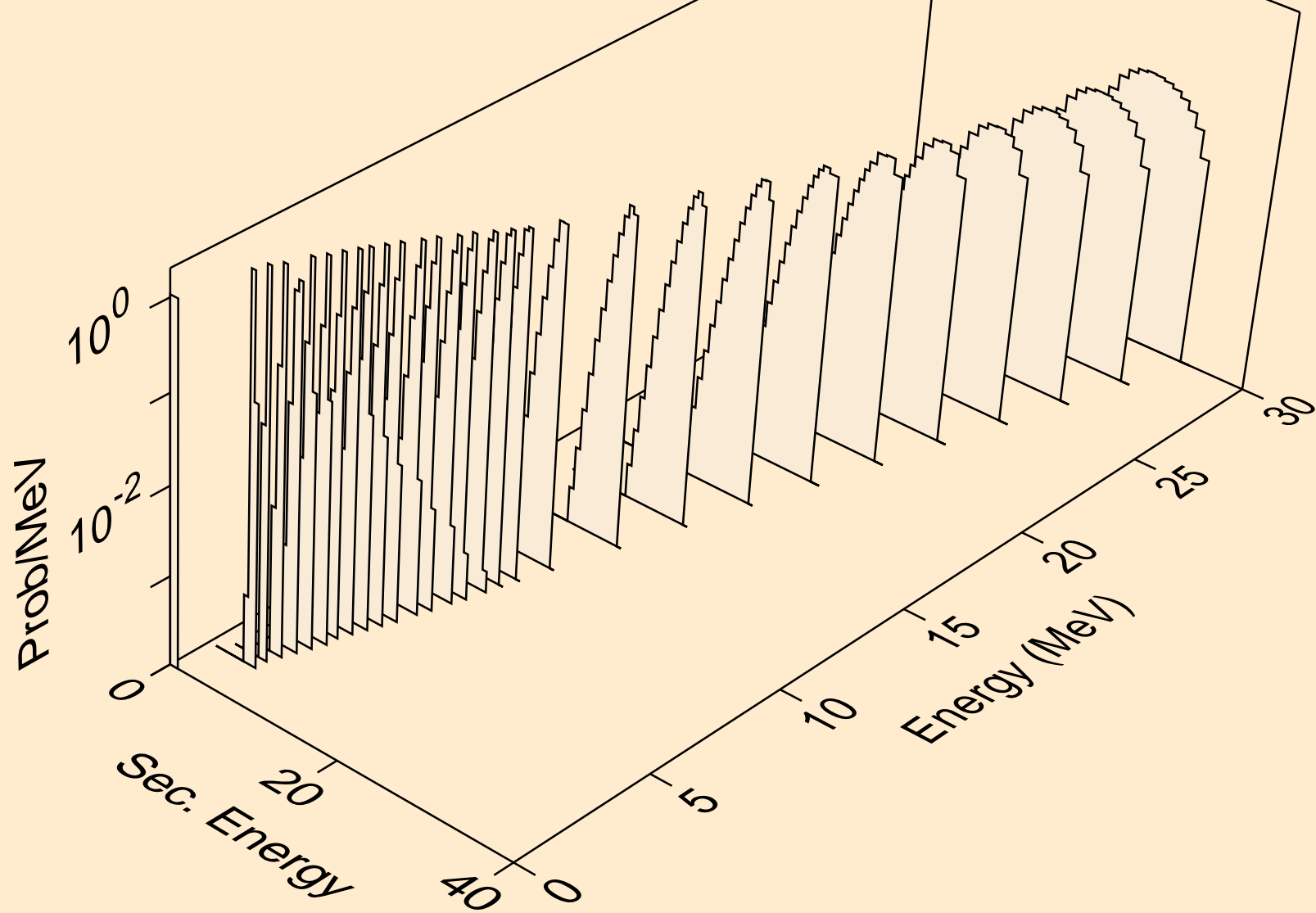
IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,x)



IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,n\*)he3

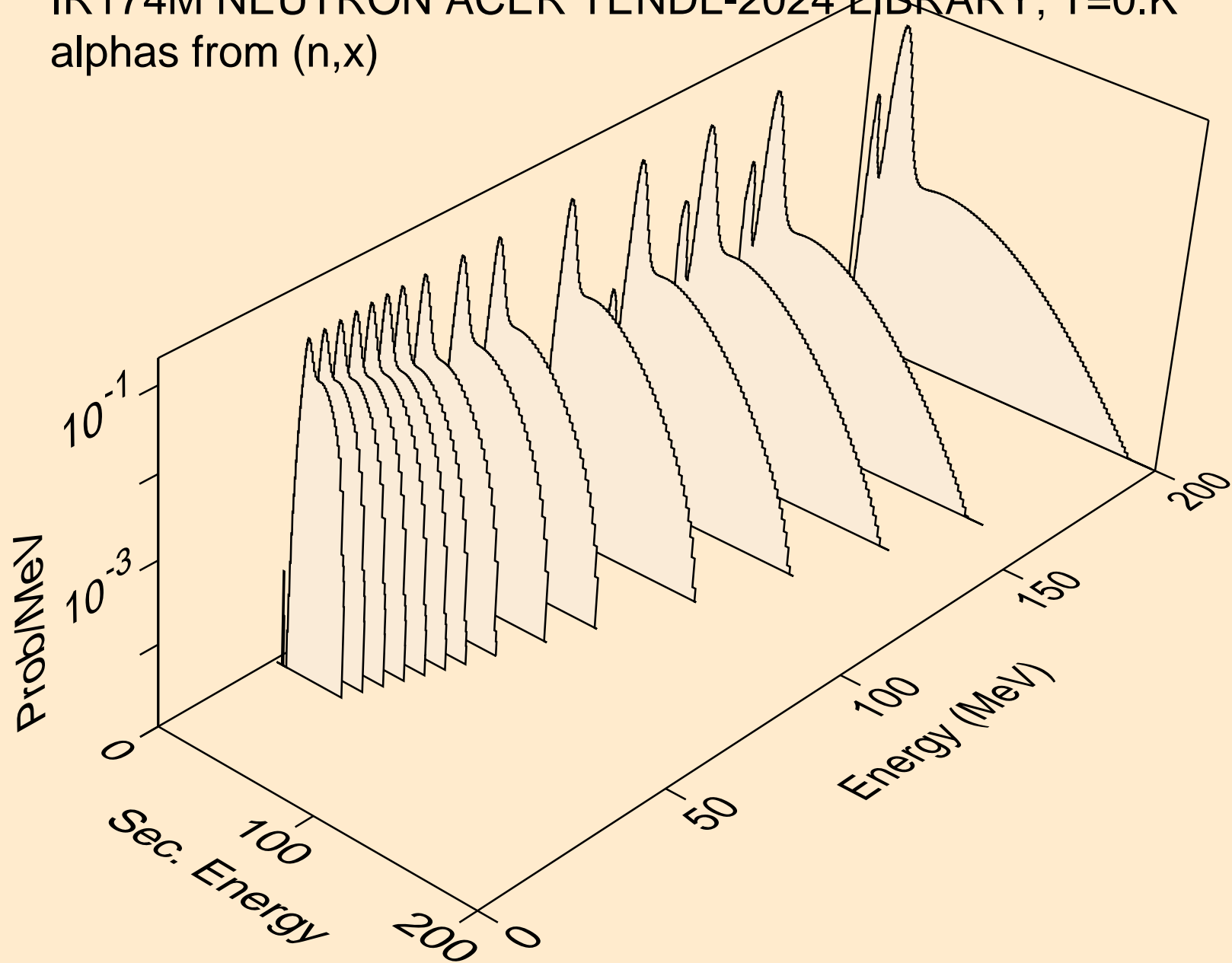


IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,he3)

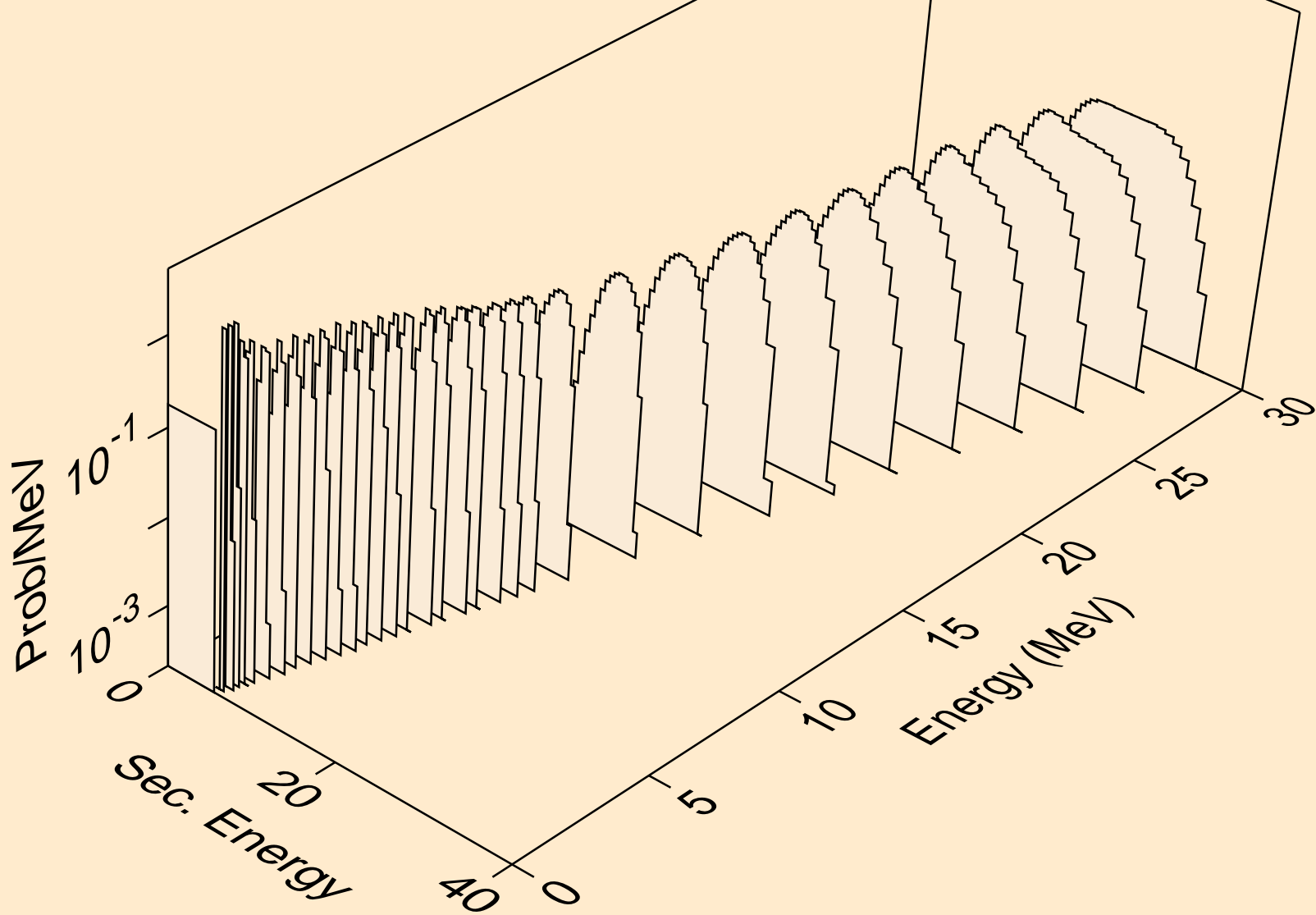




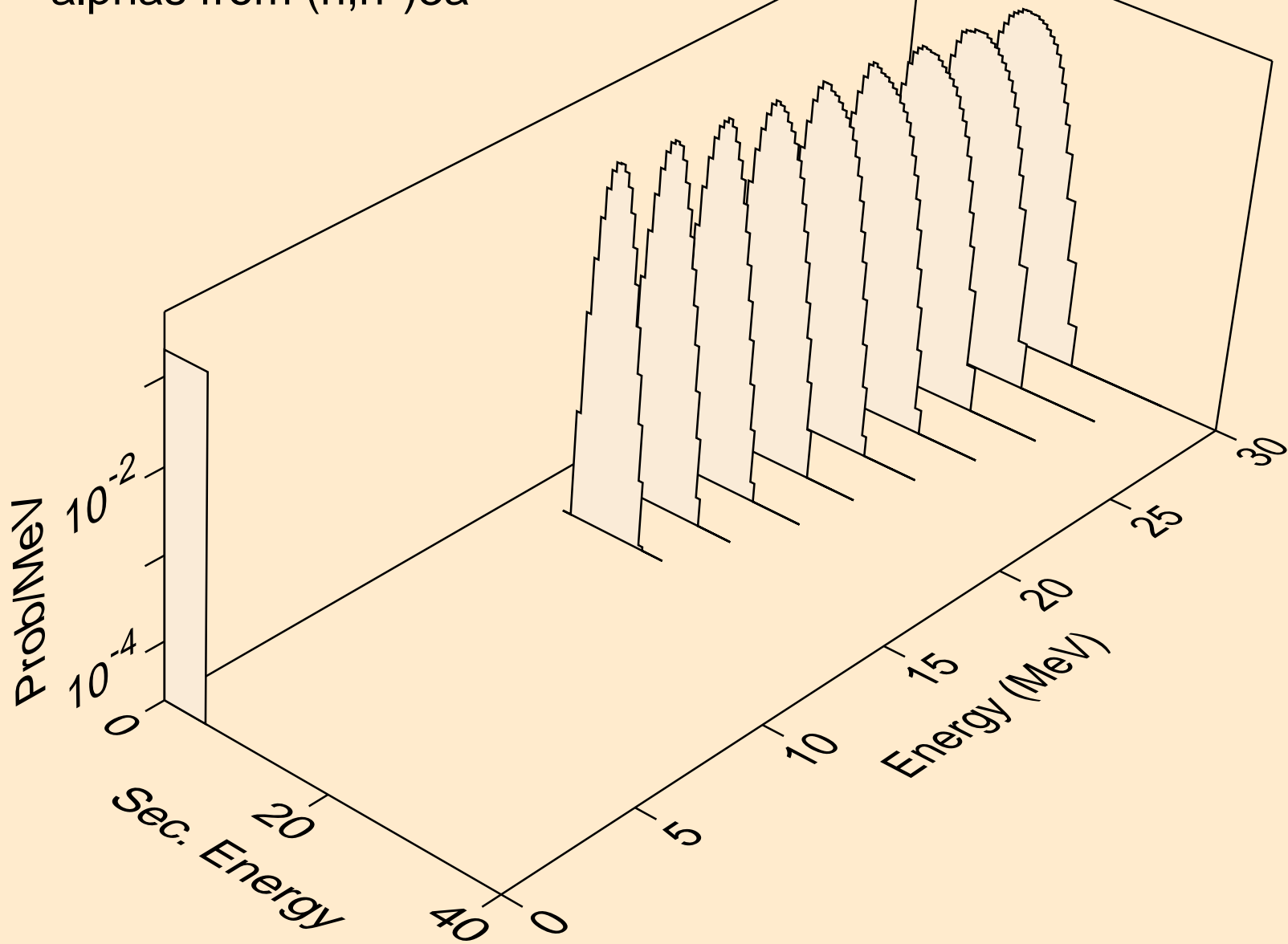
IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,x)



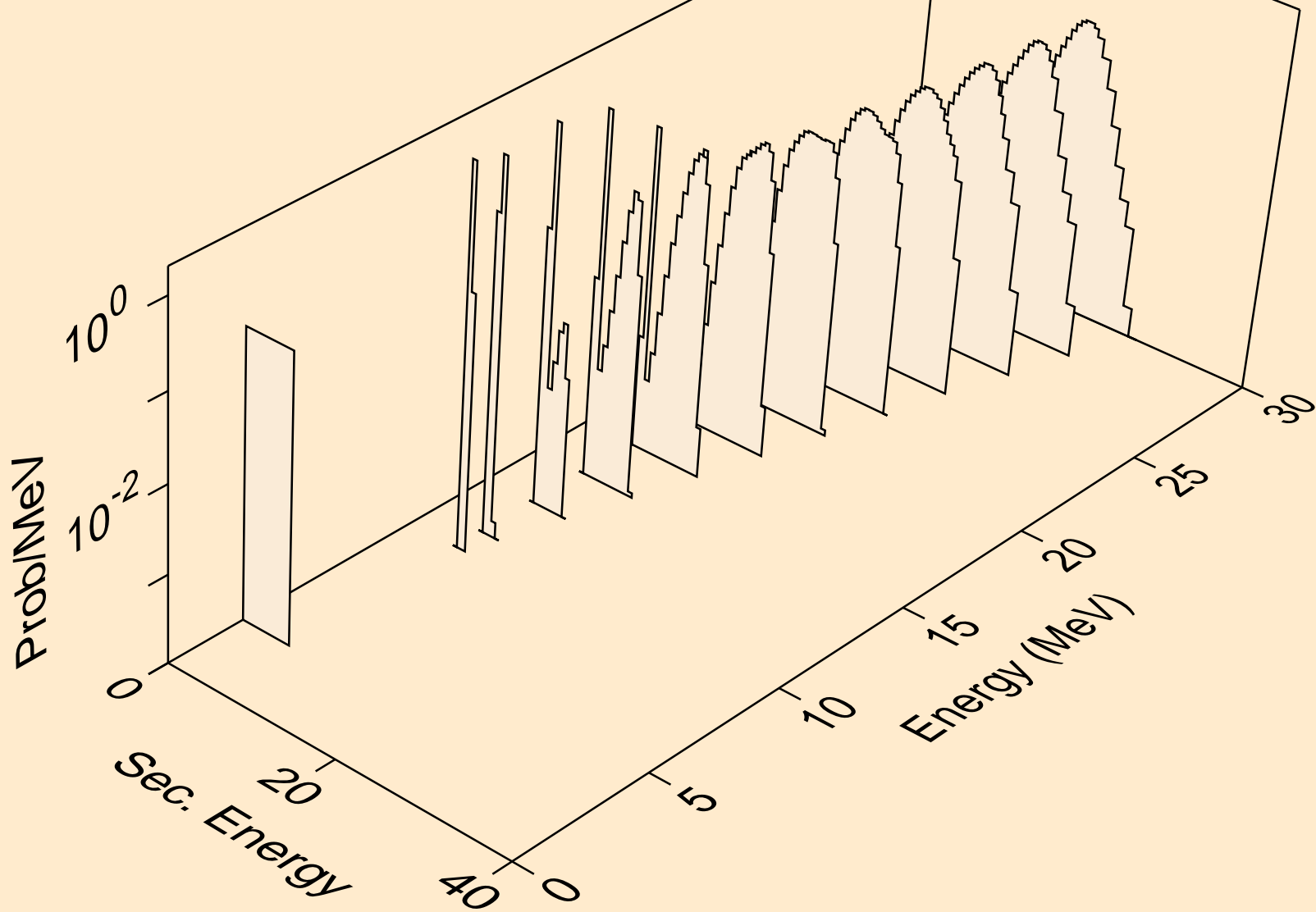
IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)a



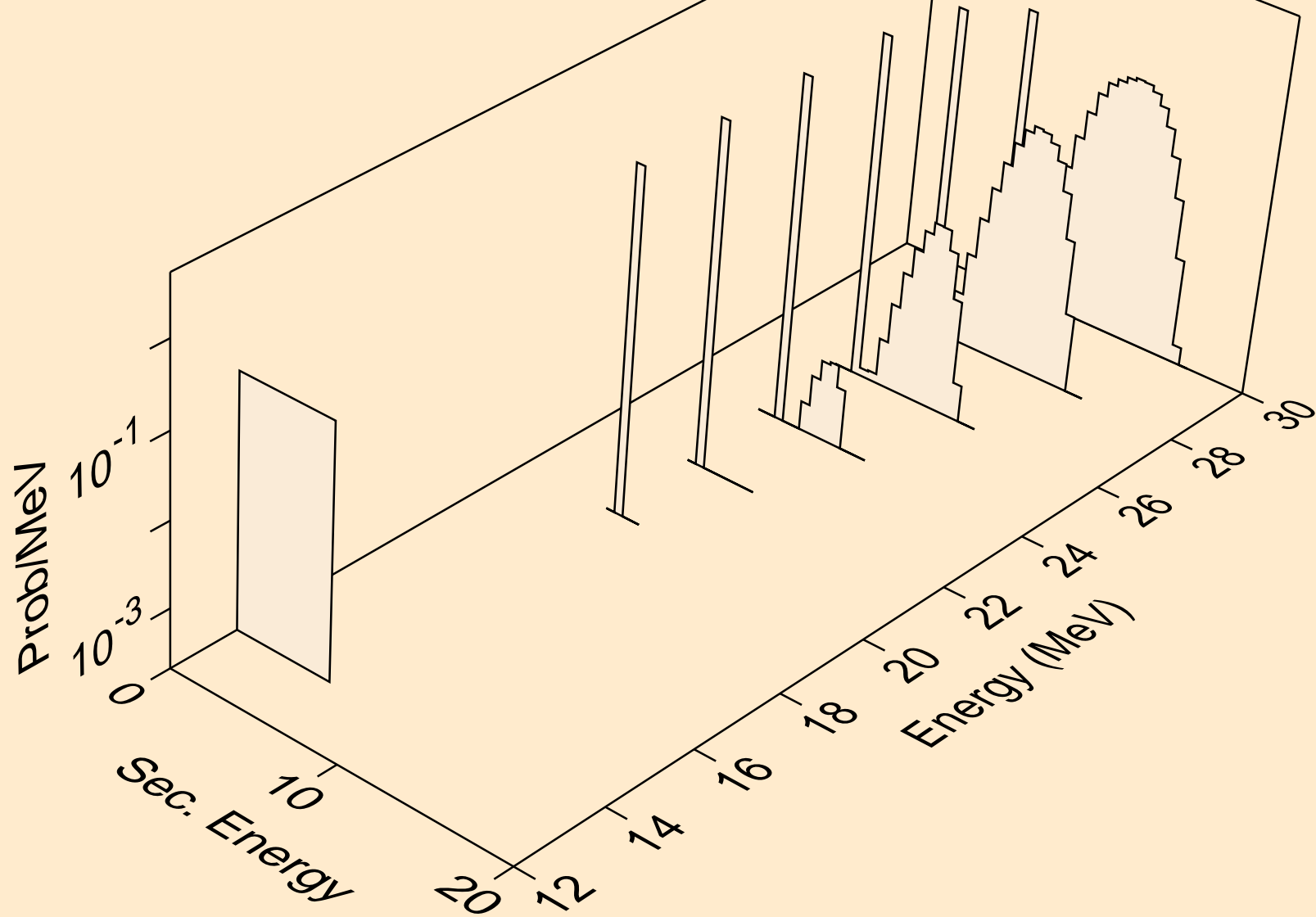
IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)3a



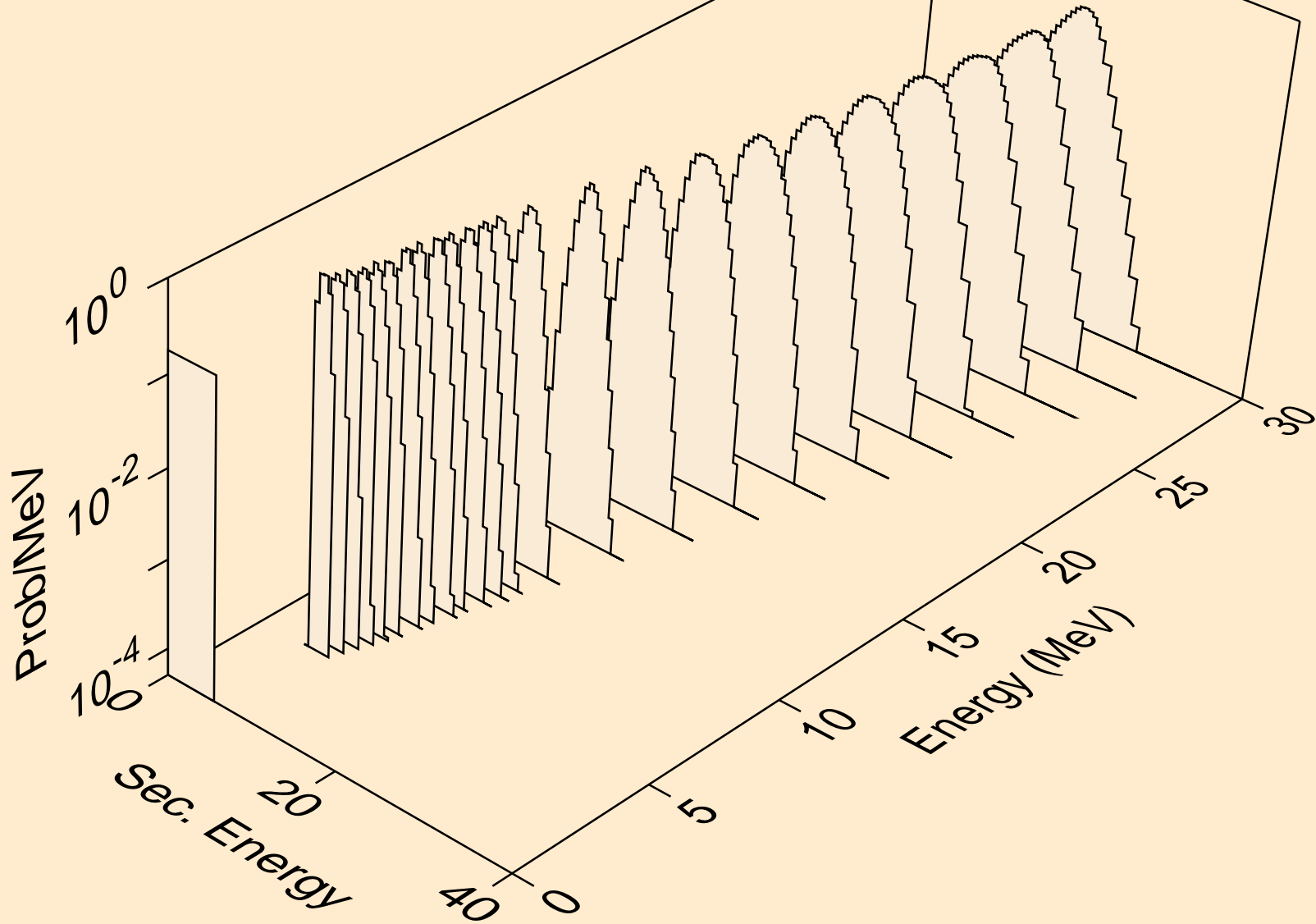
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alphas from (n,2n)a



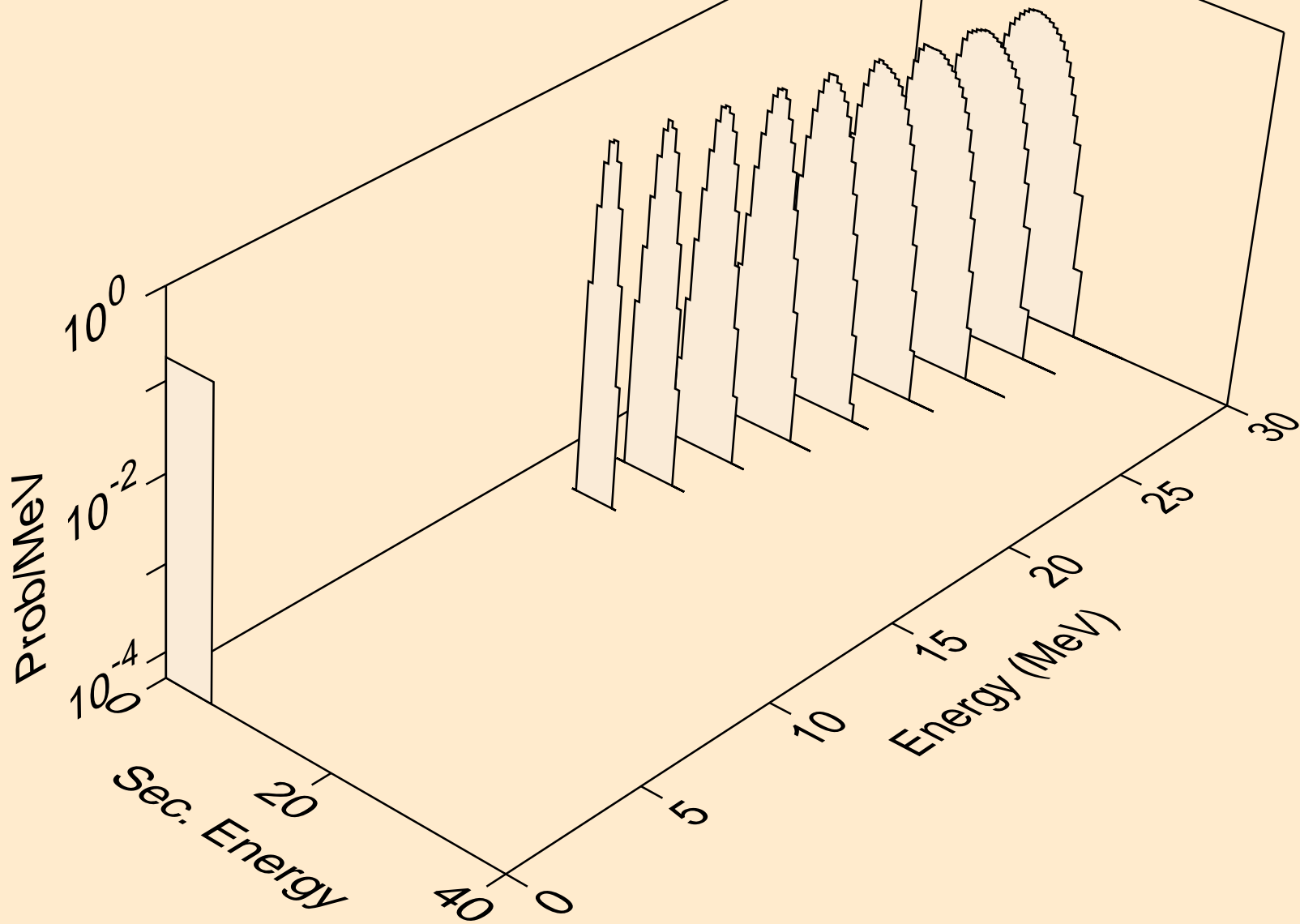
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alphas from (n,3n)a



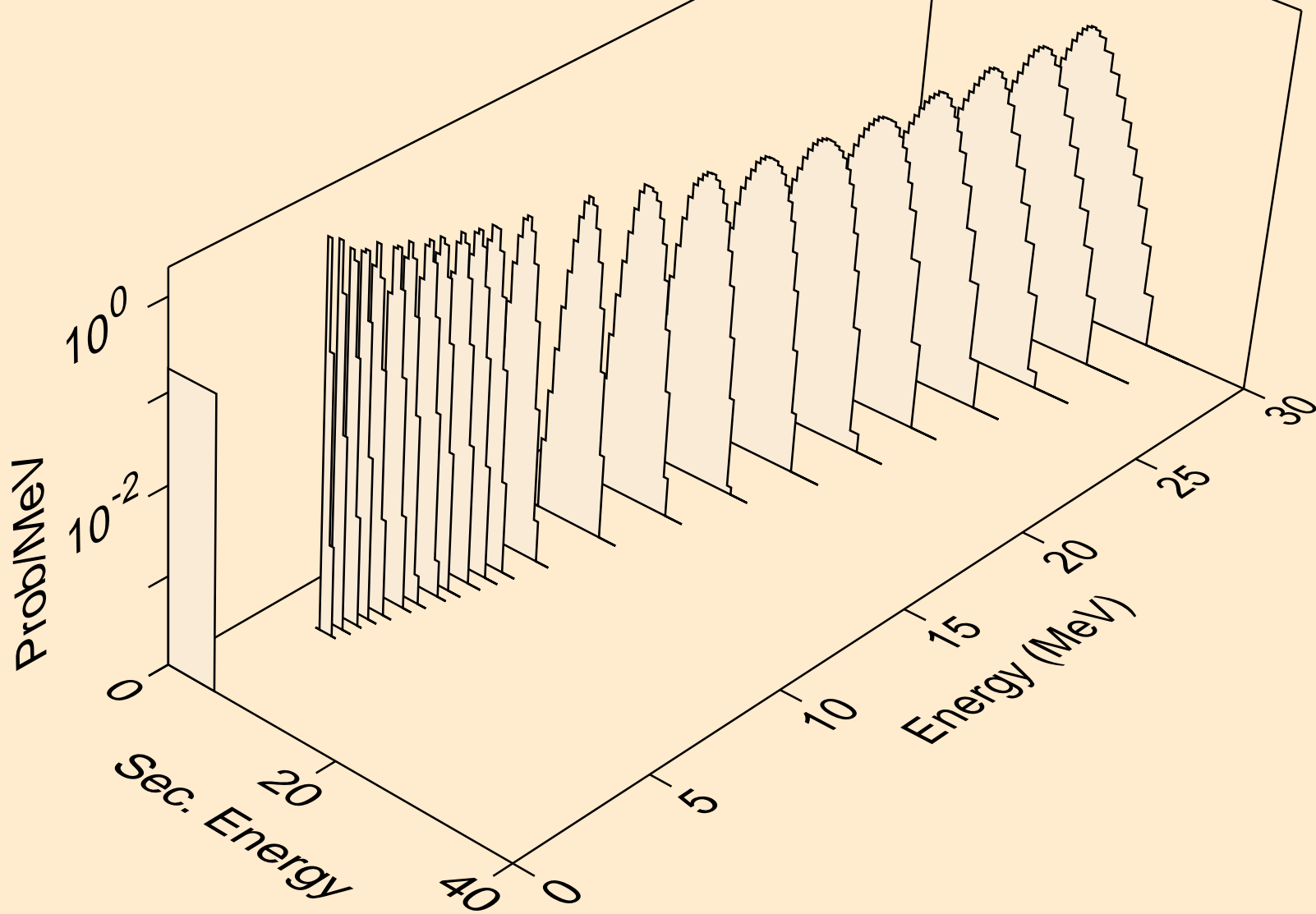
IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)2a



IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2n)2a

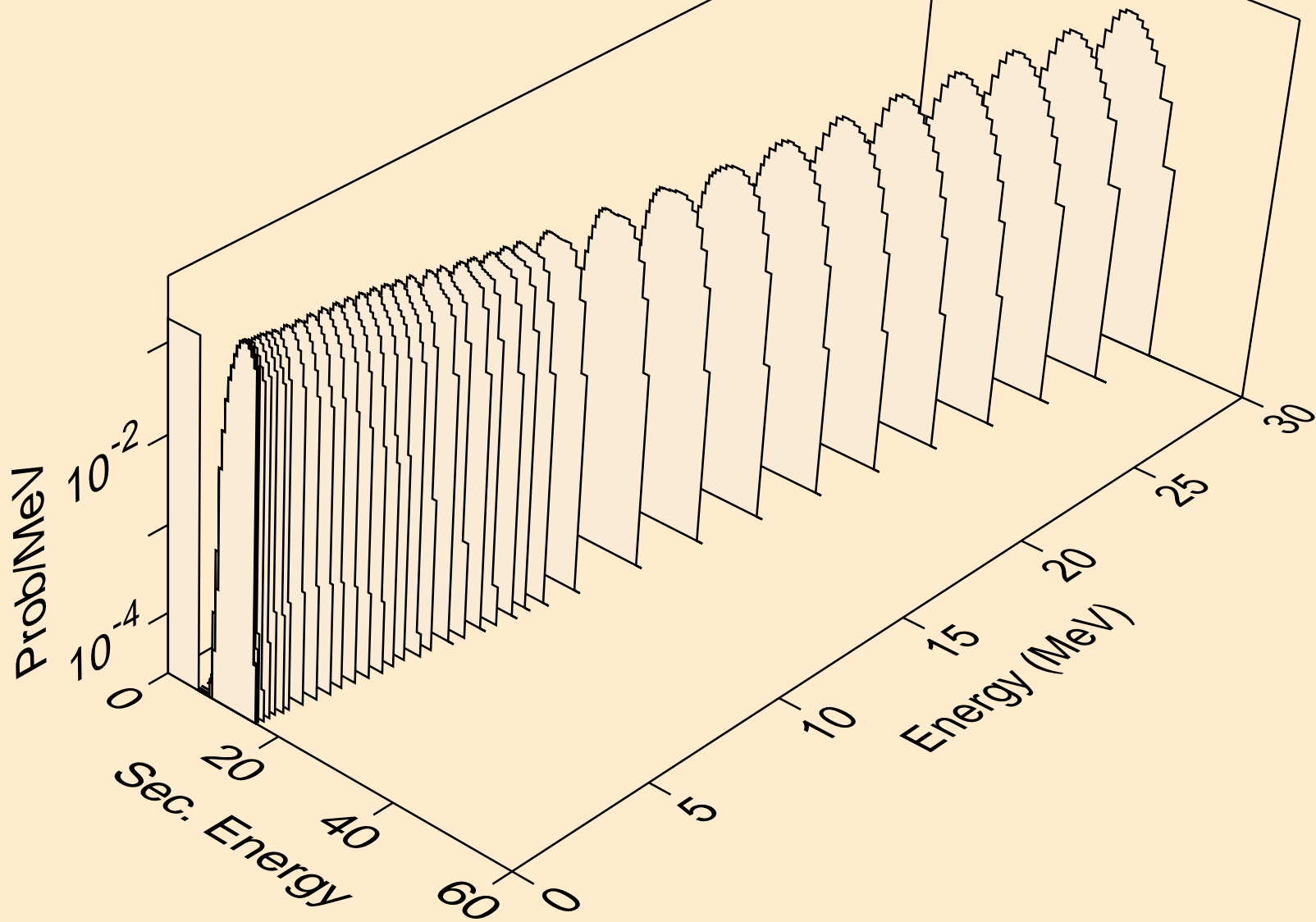


IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,npa)

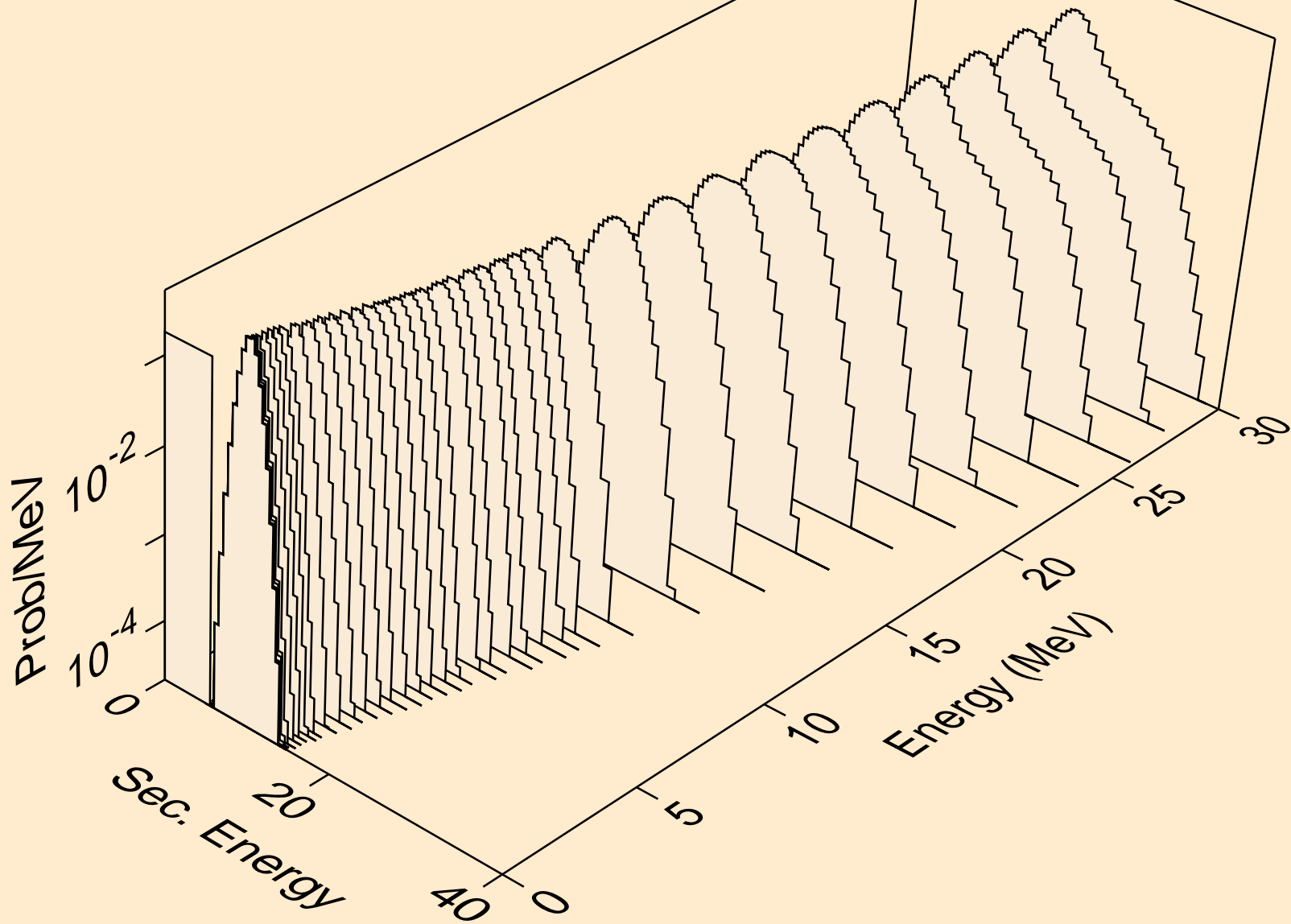




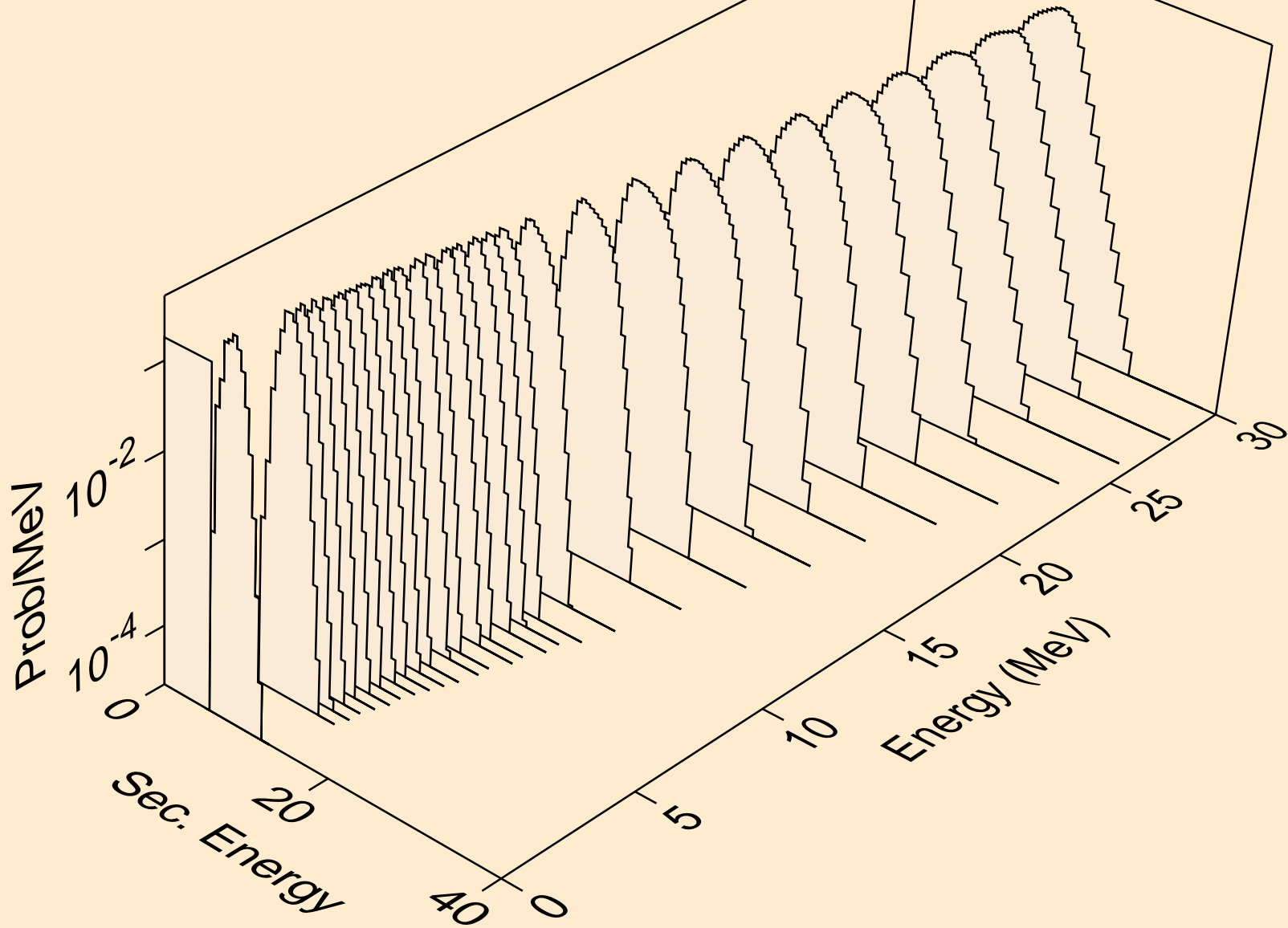
IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,a)



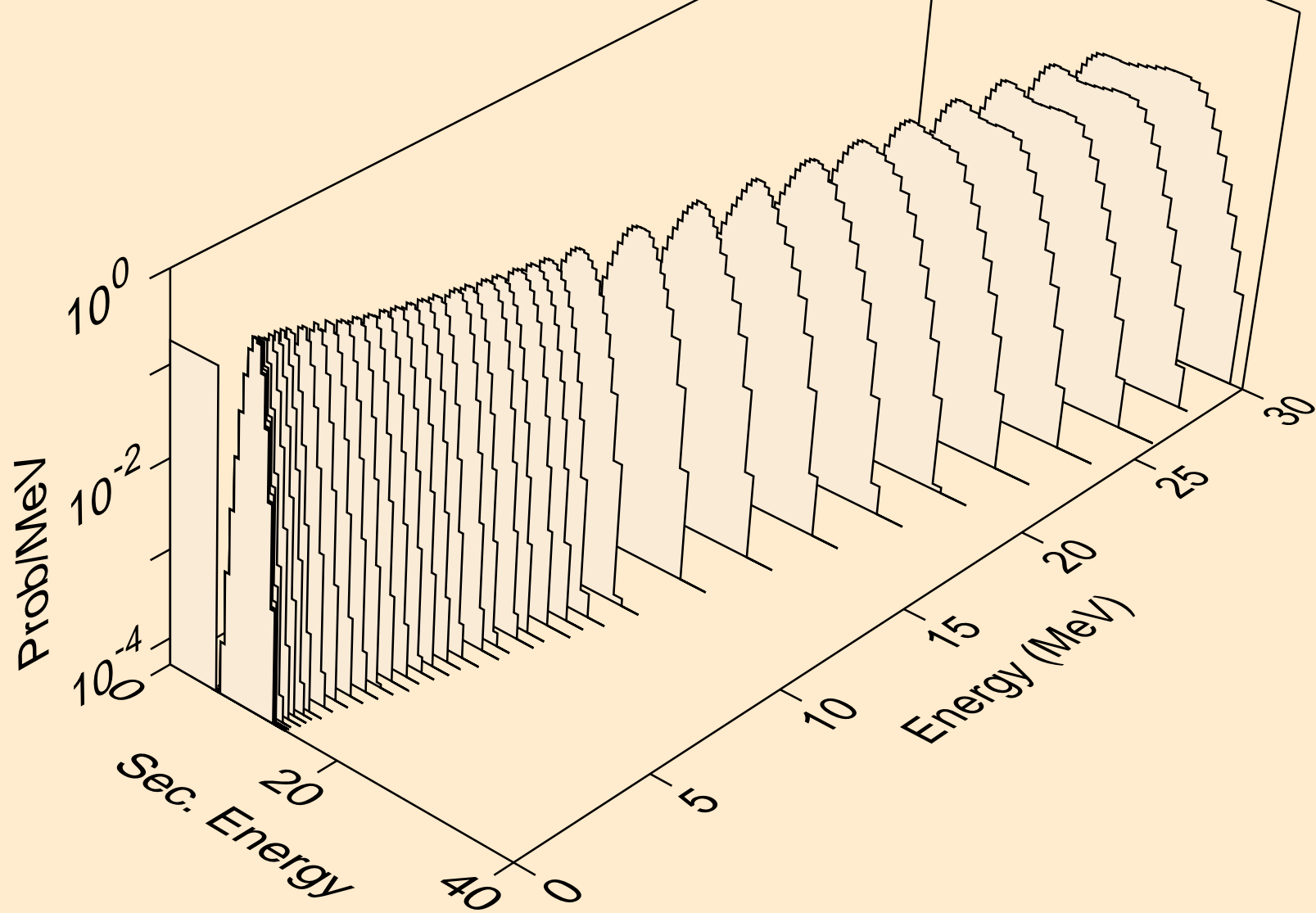
IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2a)



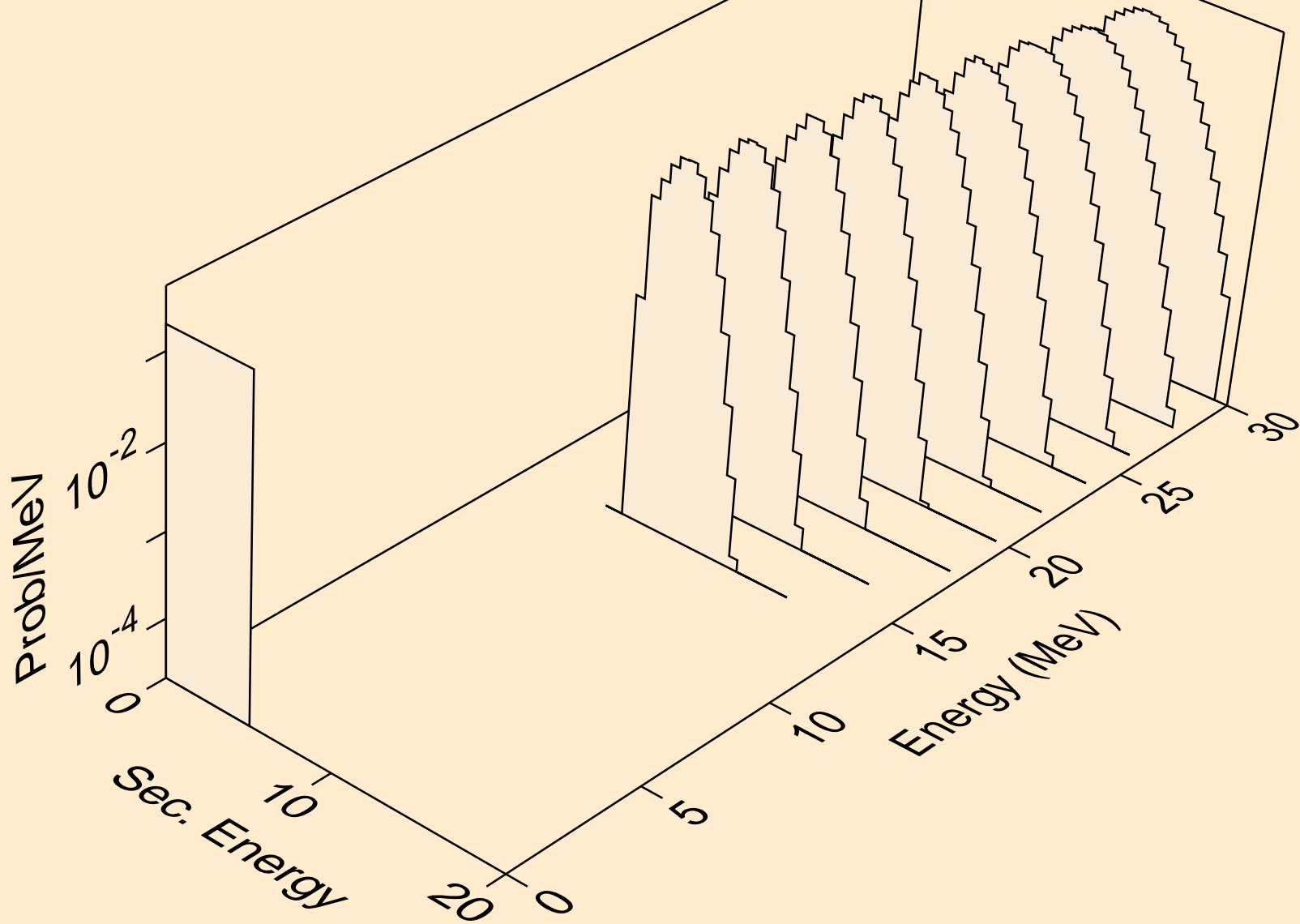
IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,3a)



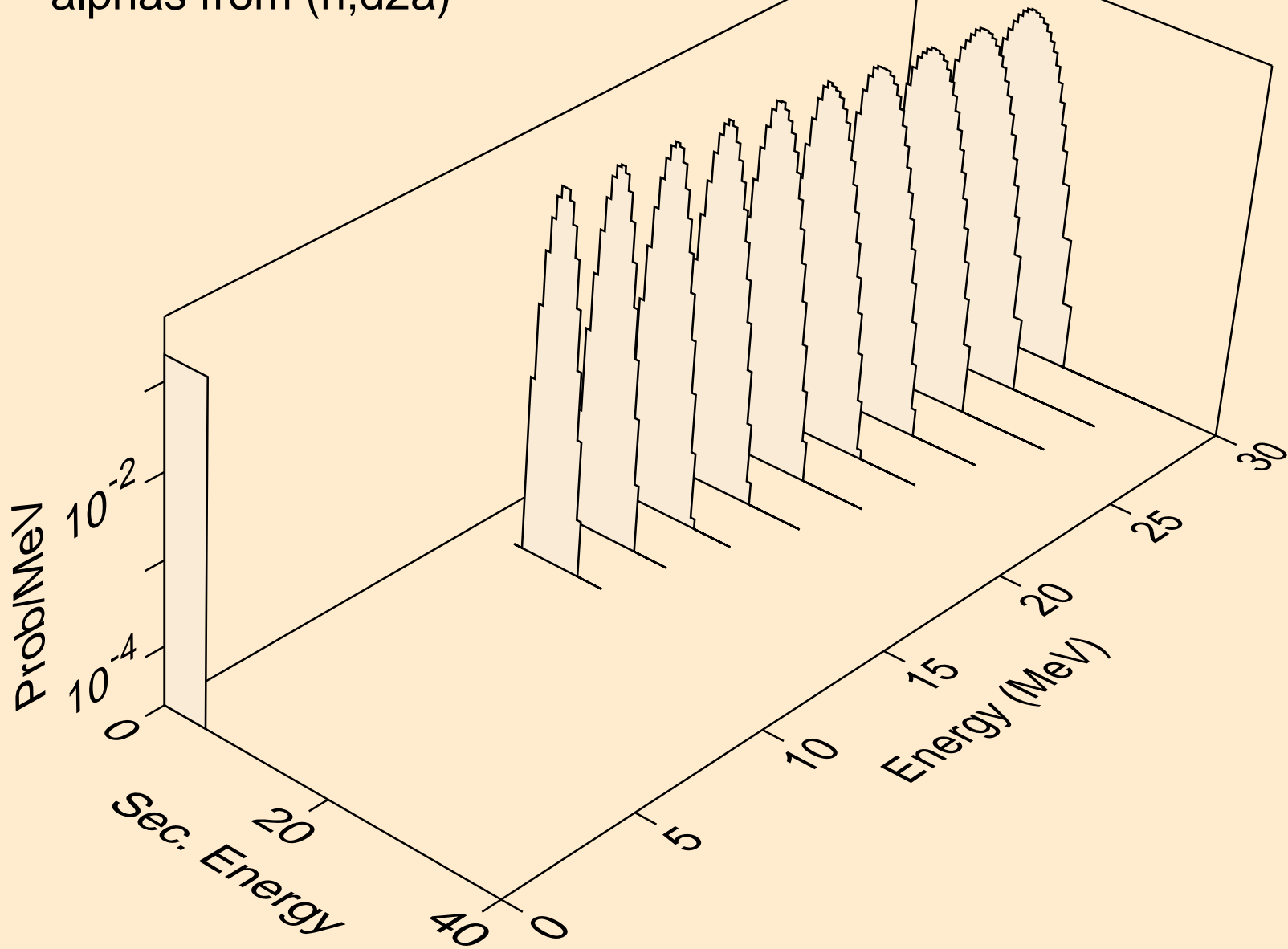
IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,pa)



IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,t2a)



IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,d2a)



IR174M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,da)

