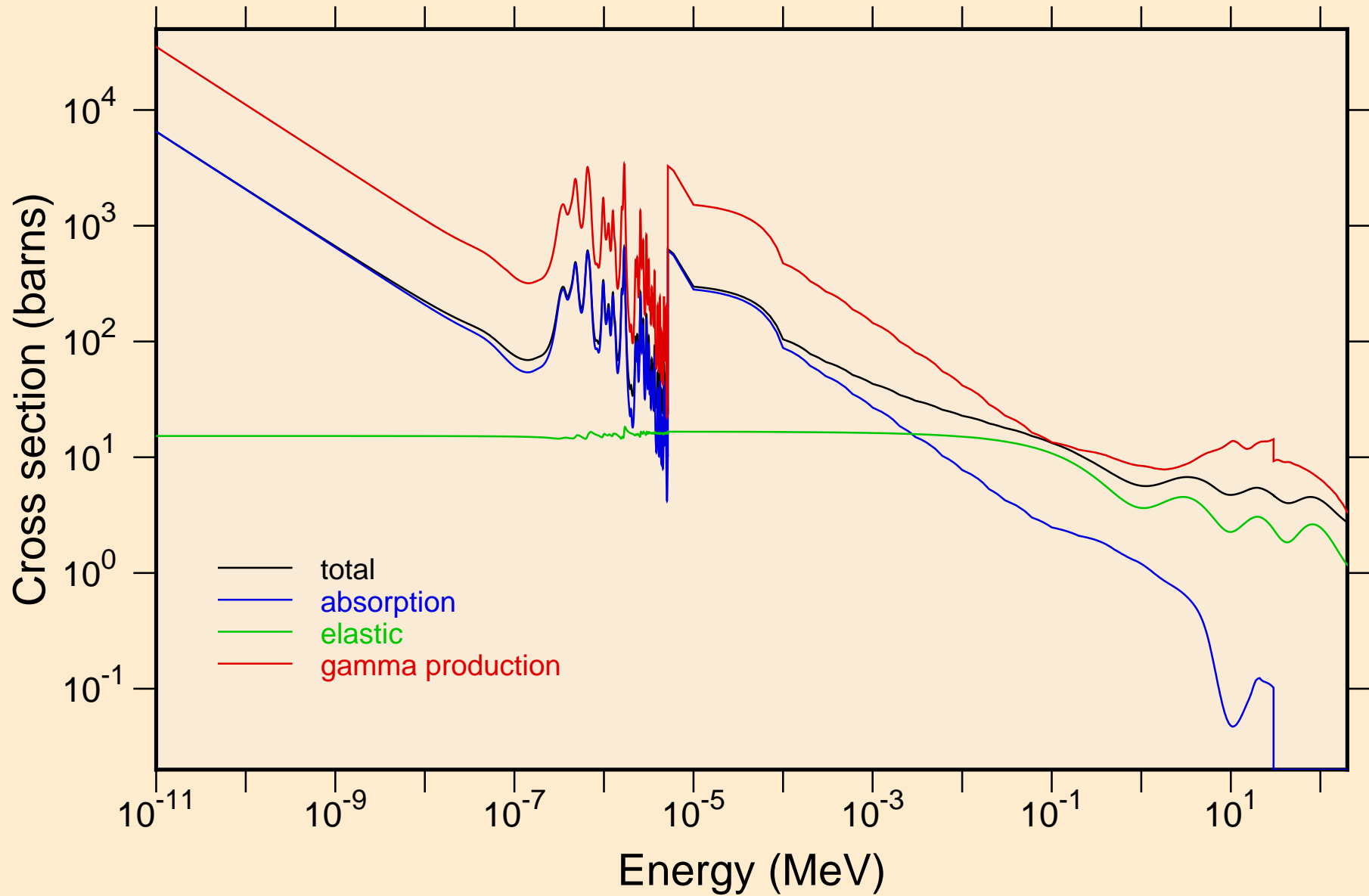
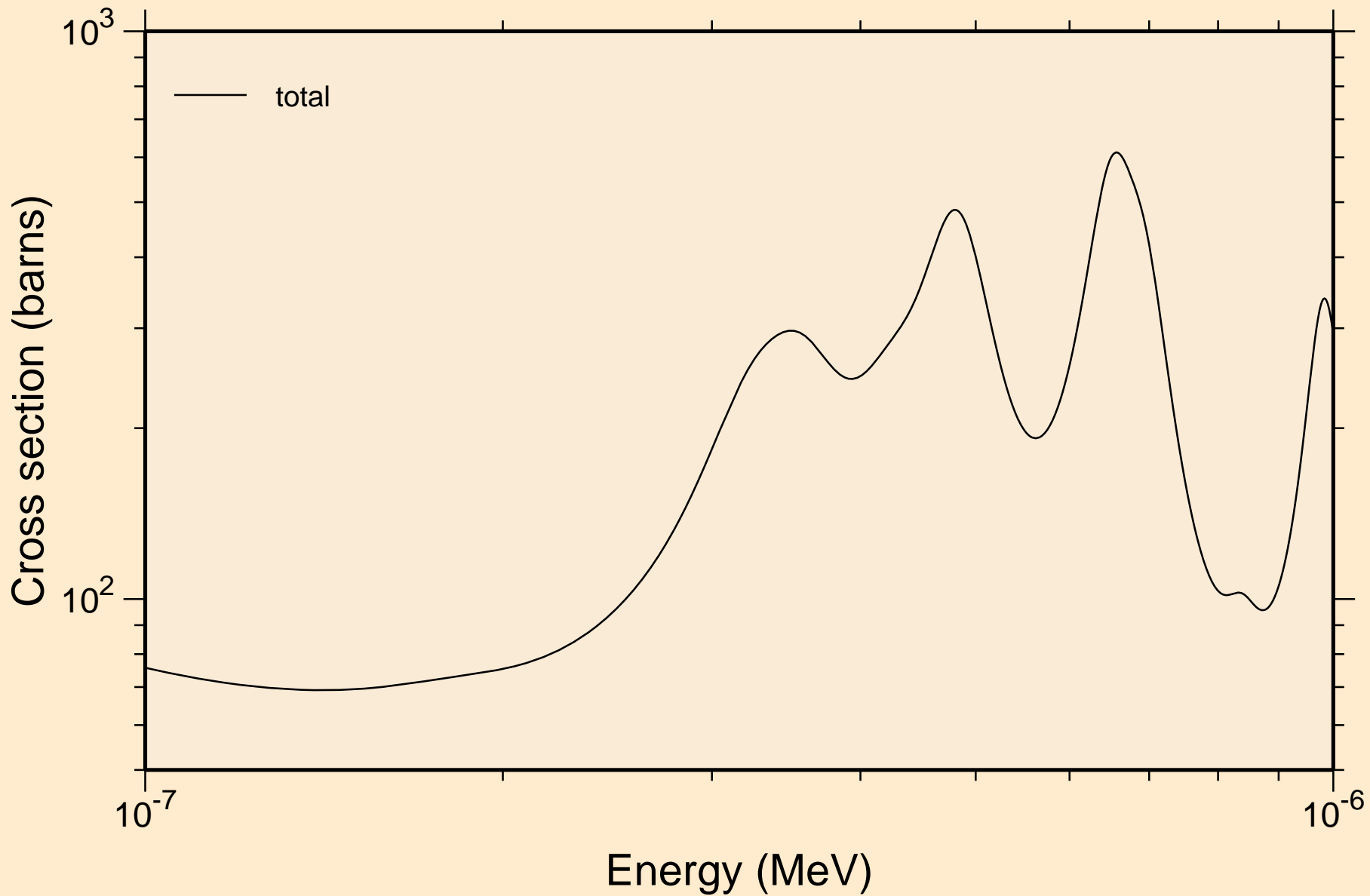


# IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

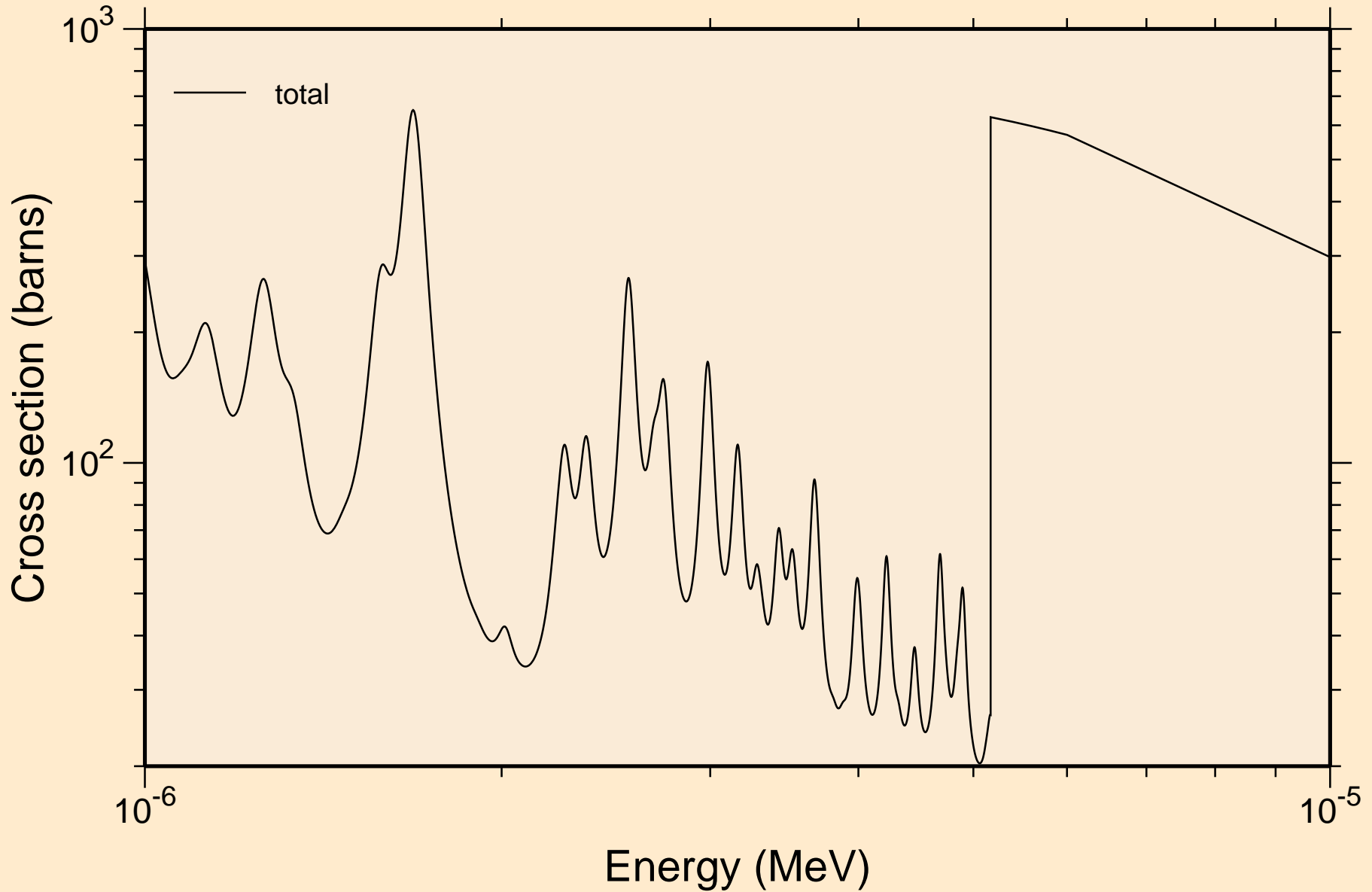
## Principal cross sections



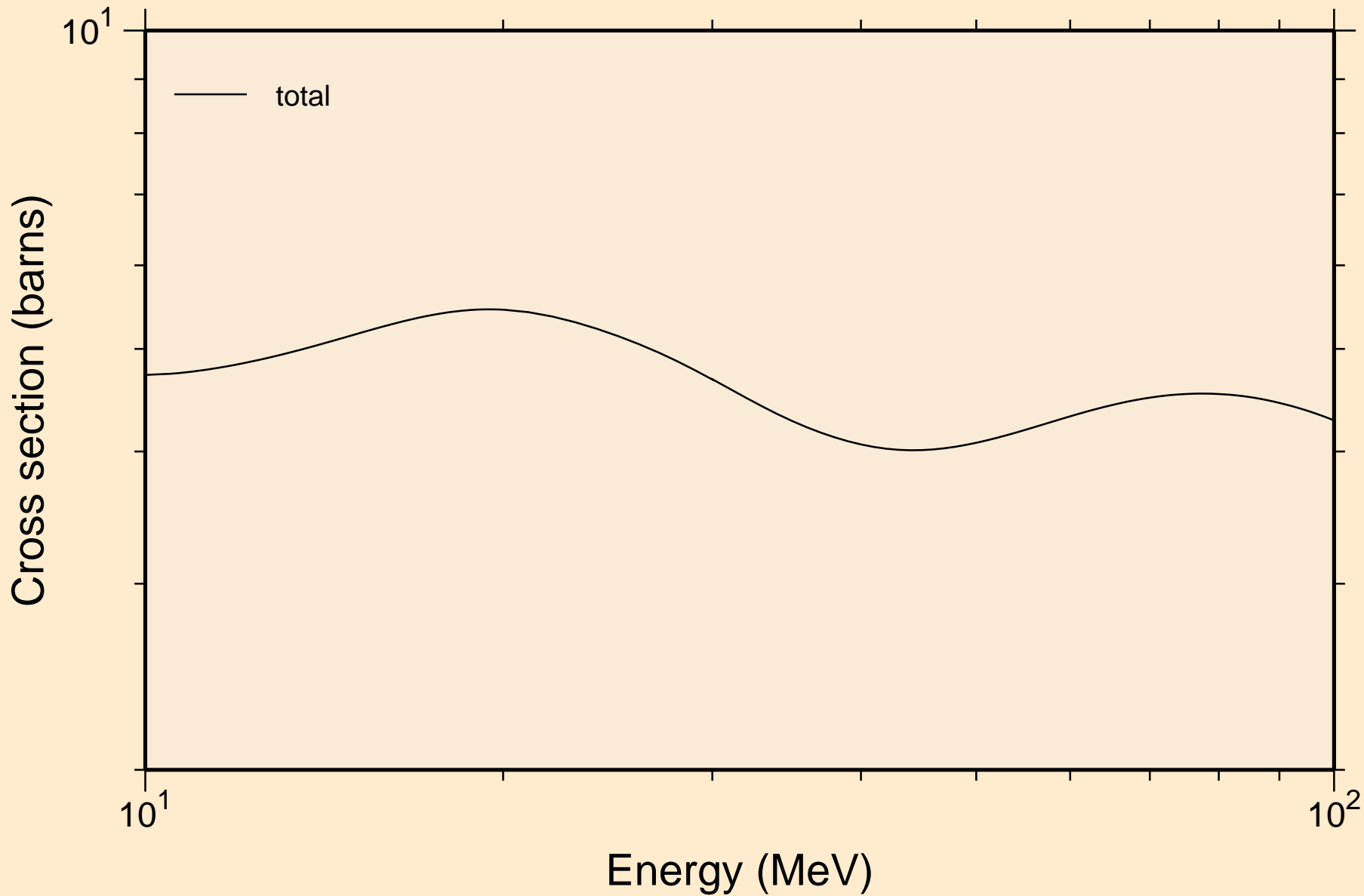
IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



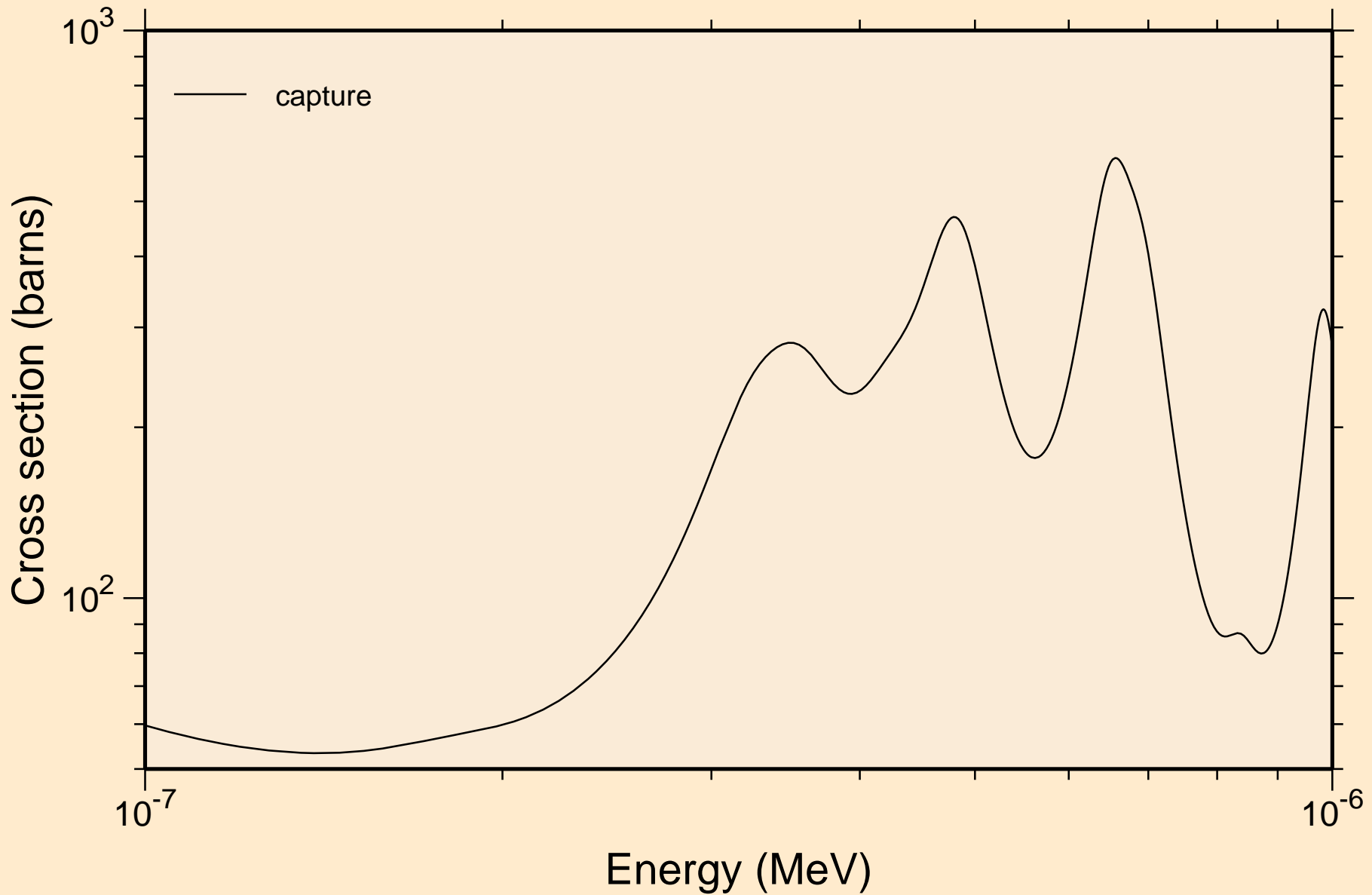
IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



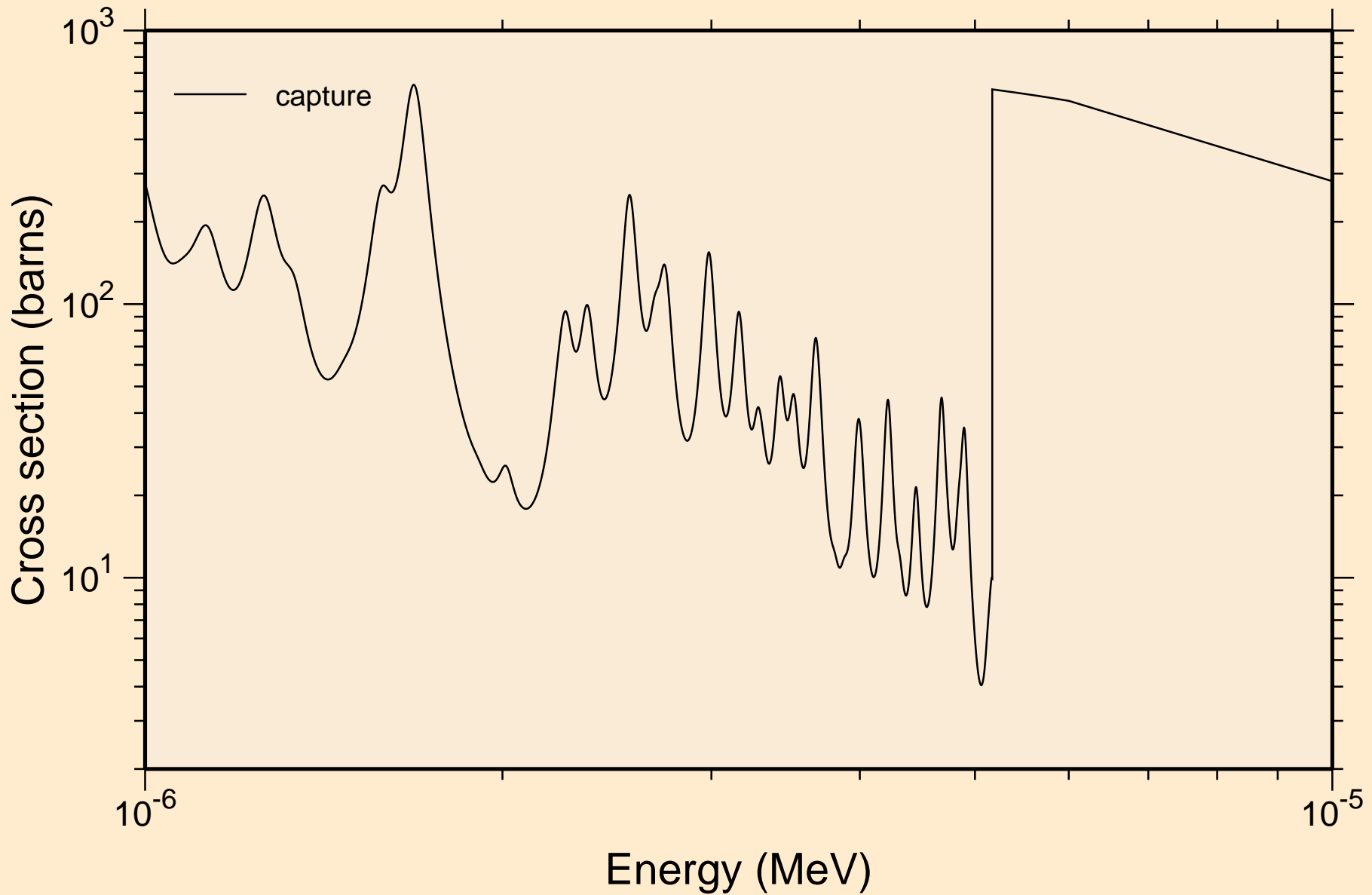
IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



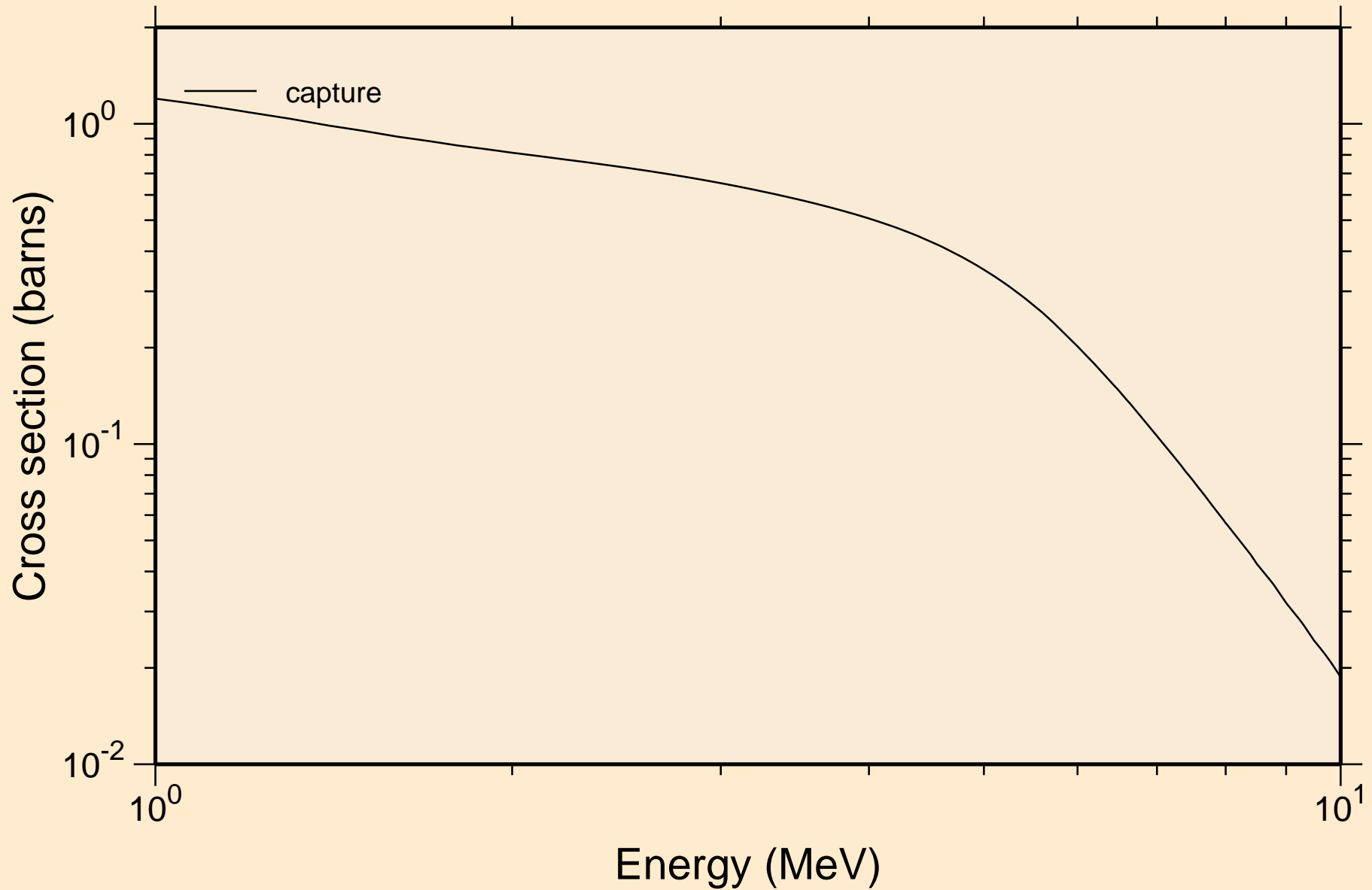
IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



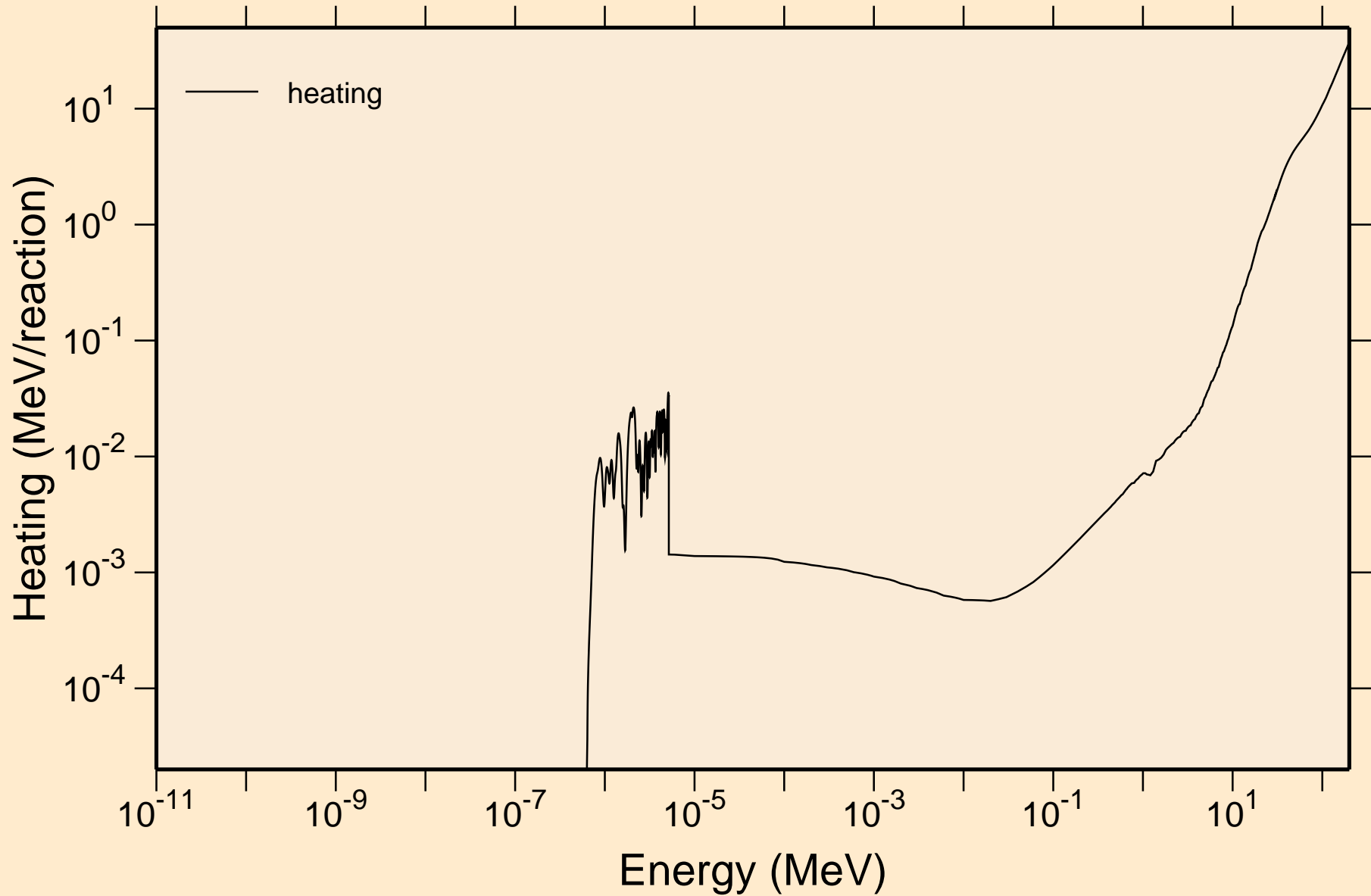
IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



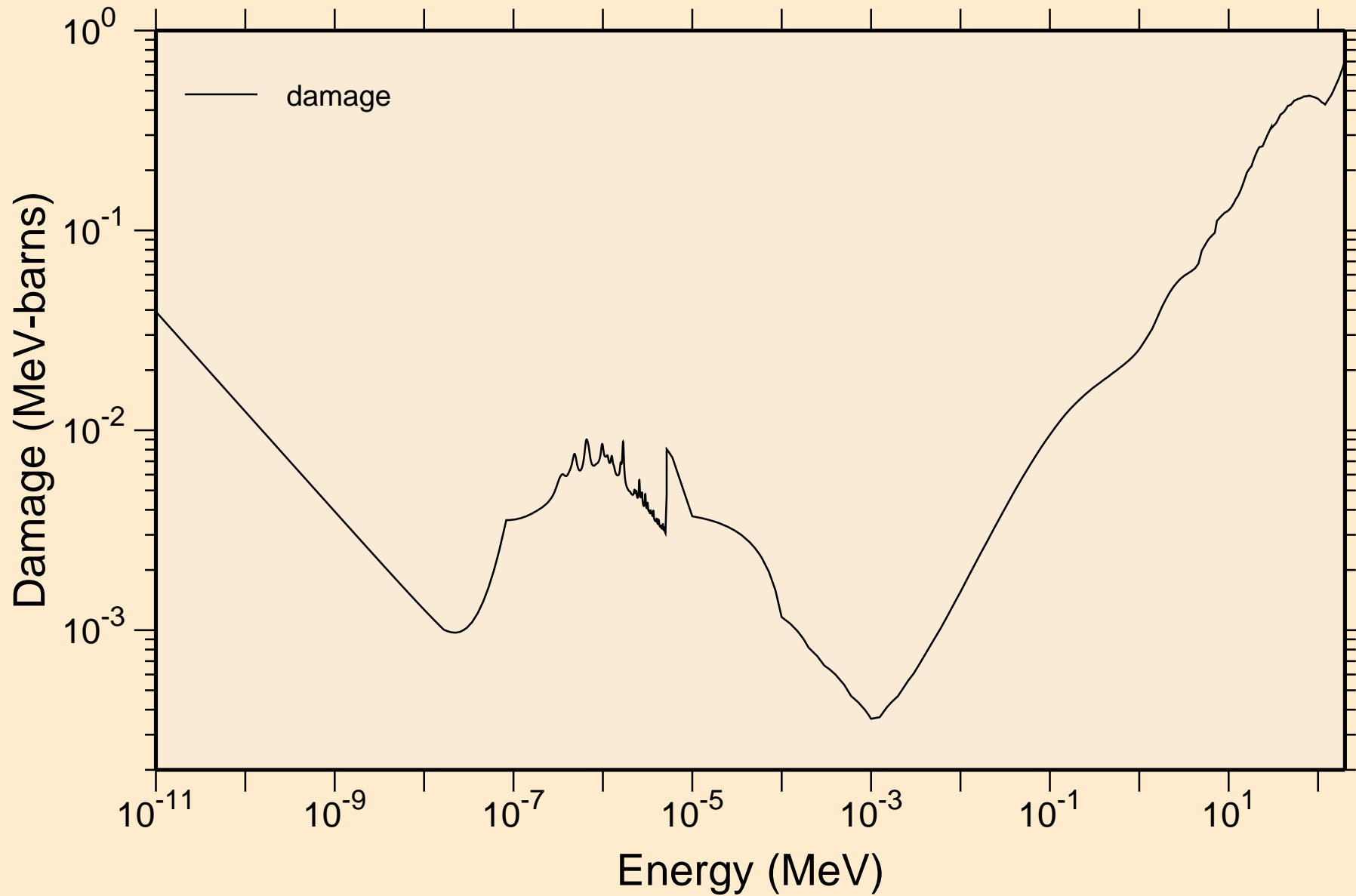
IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Heating





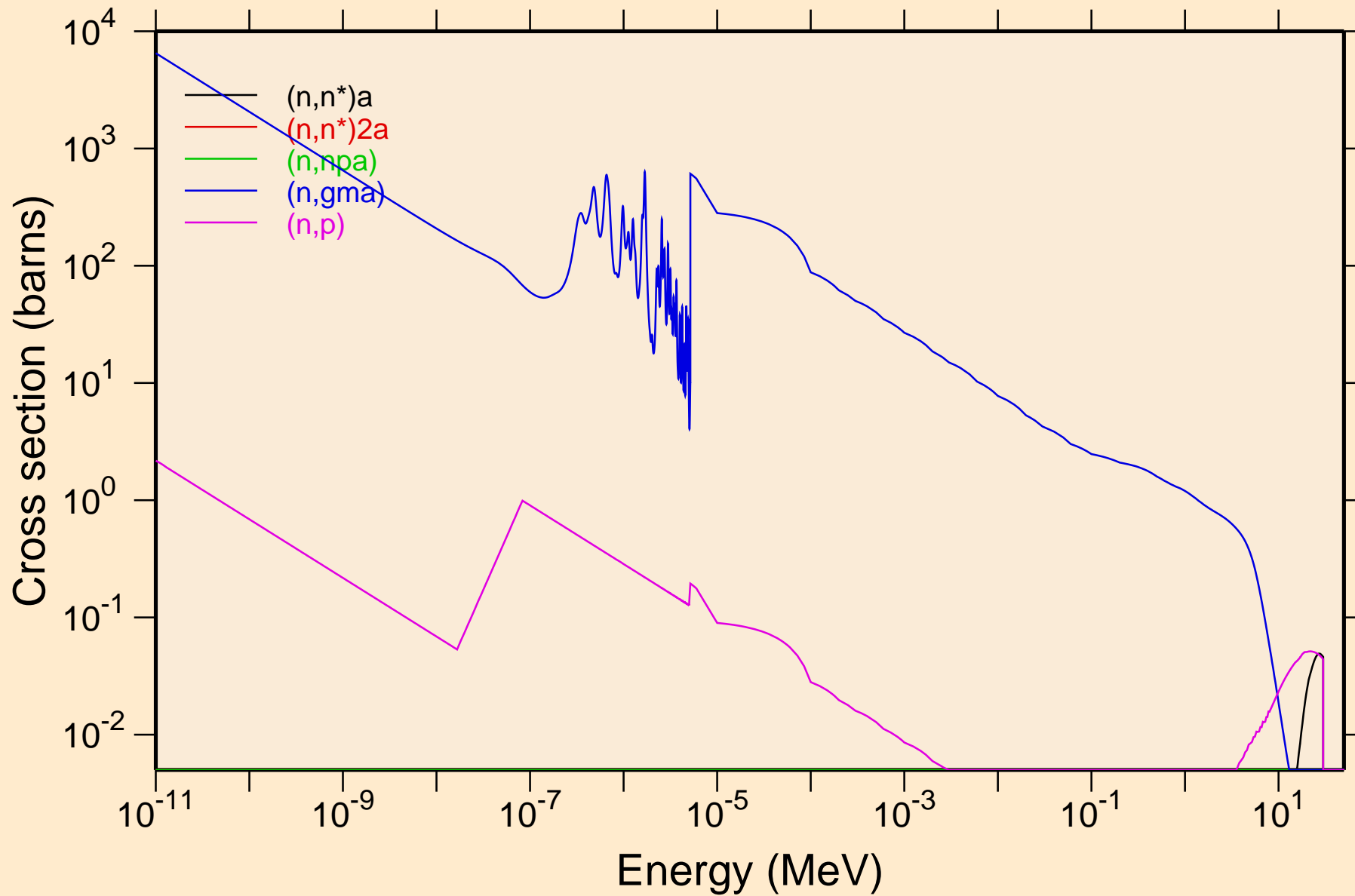
# IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Damage

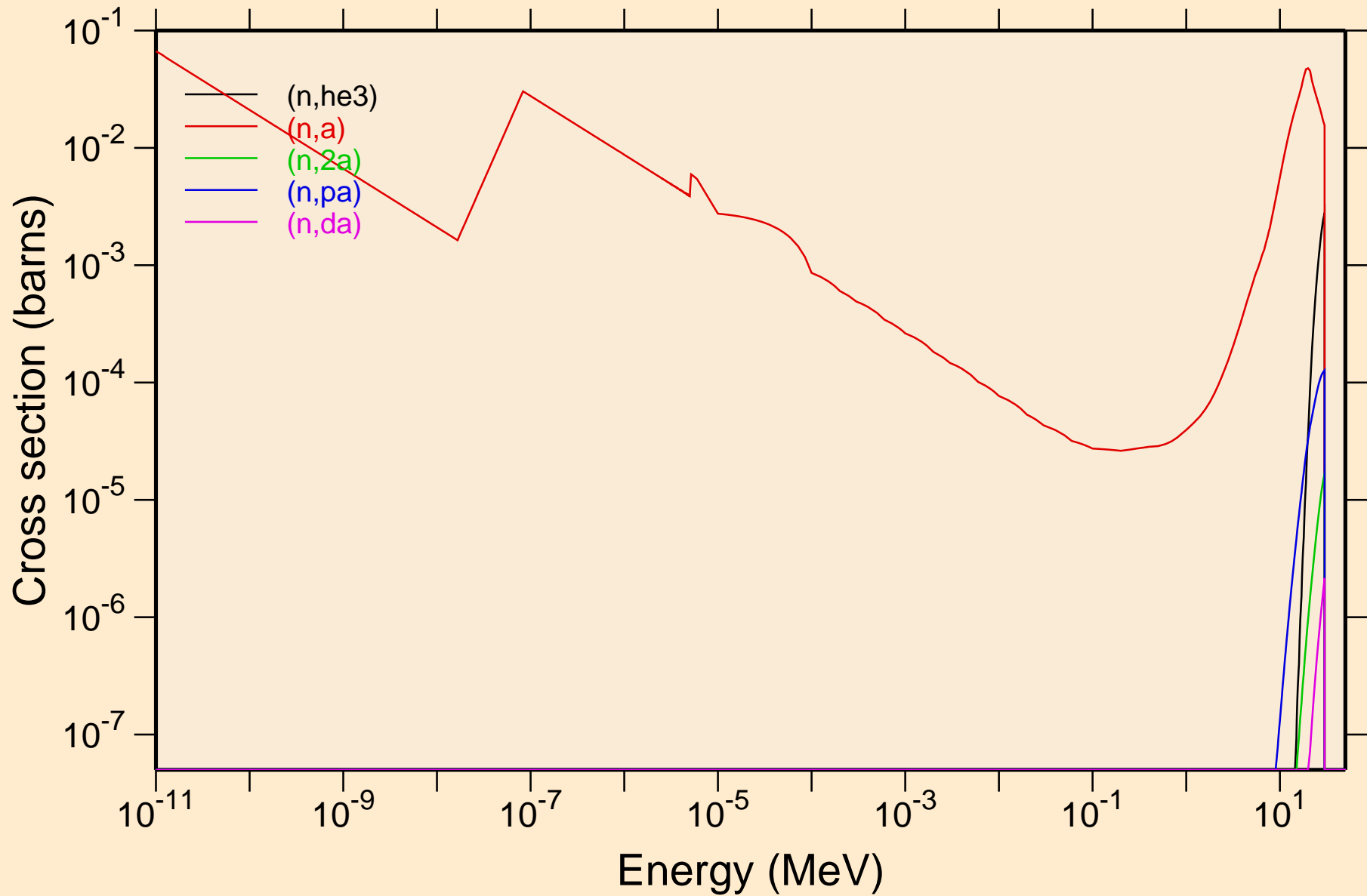


# IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Non-threshold reactions

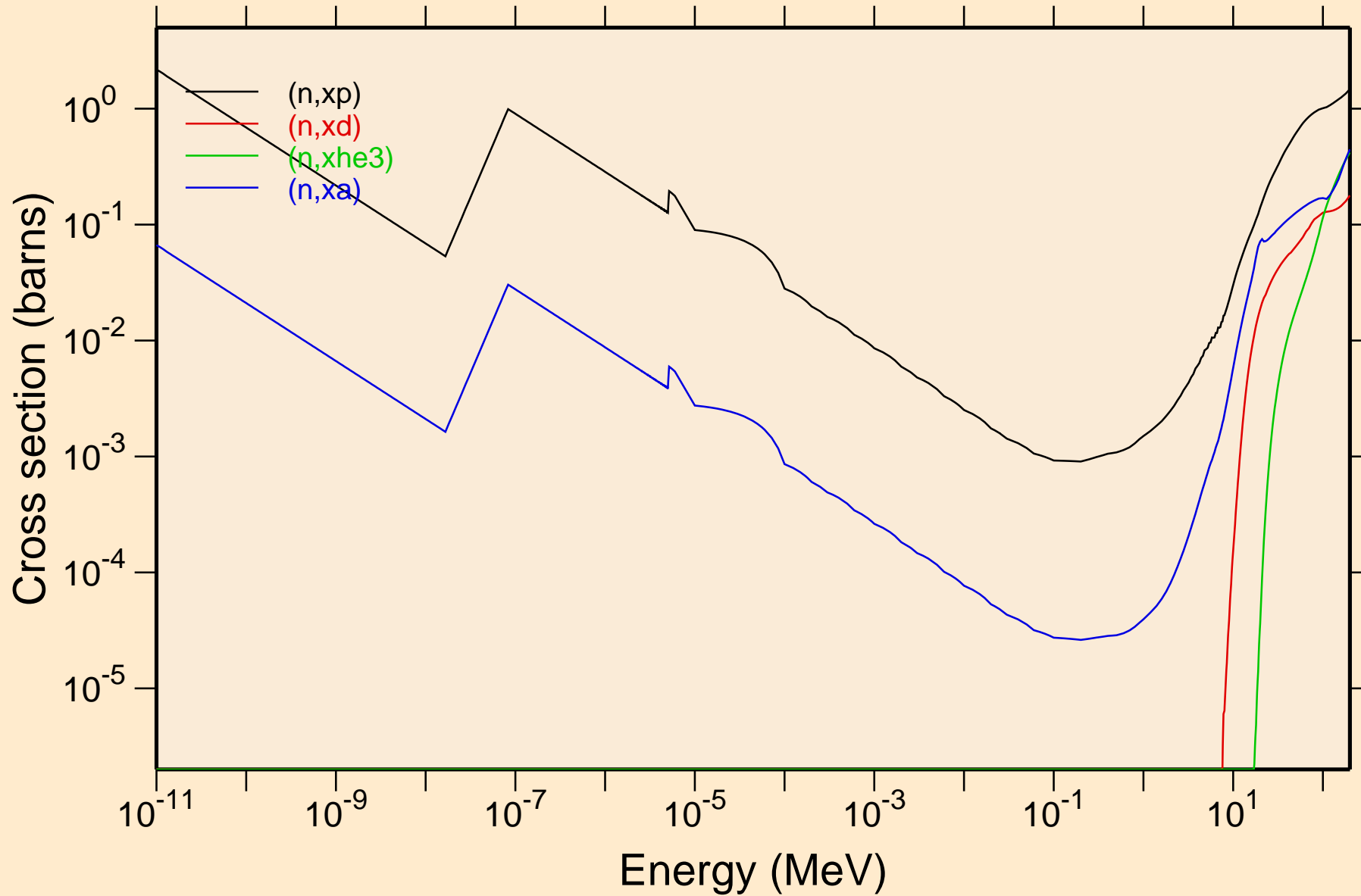


IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



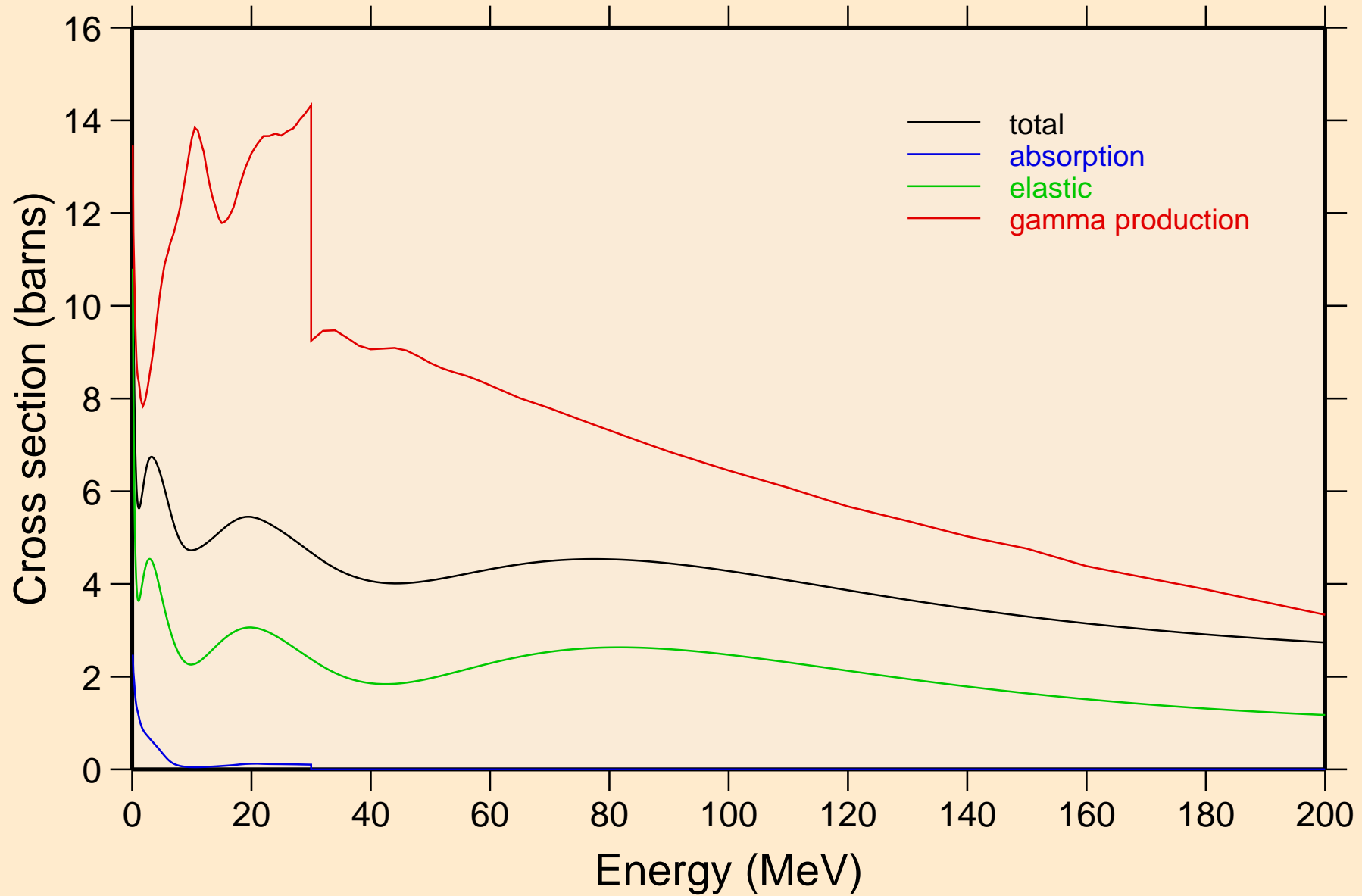
# IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Non-threshold reactions



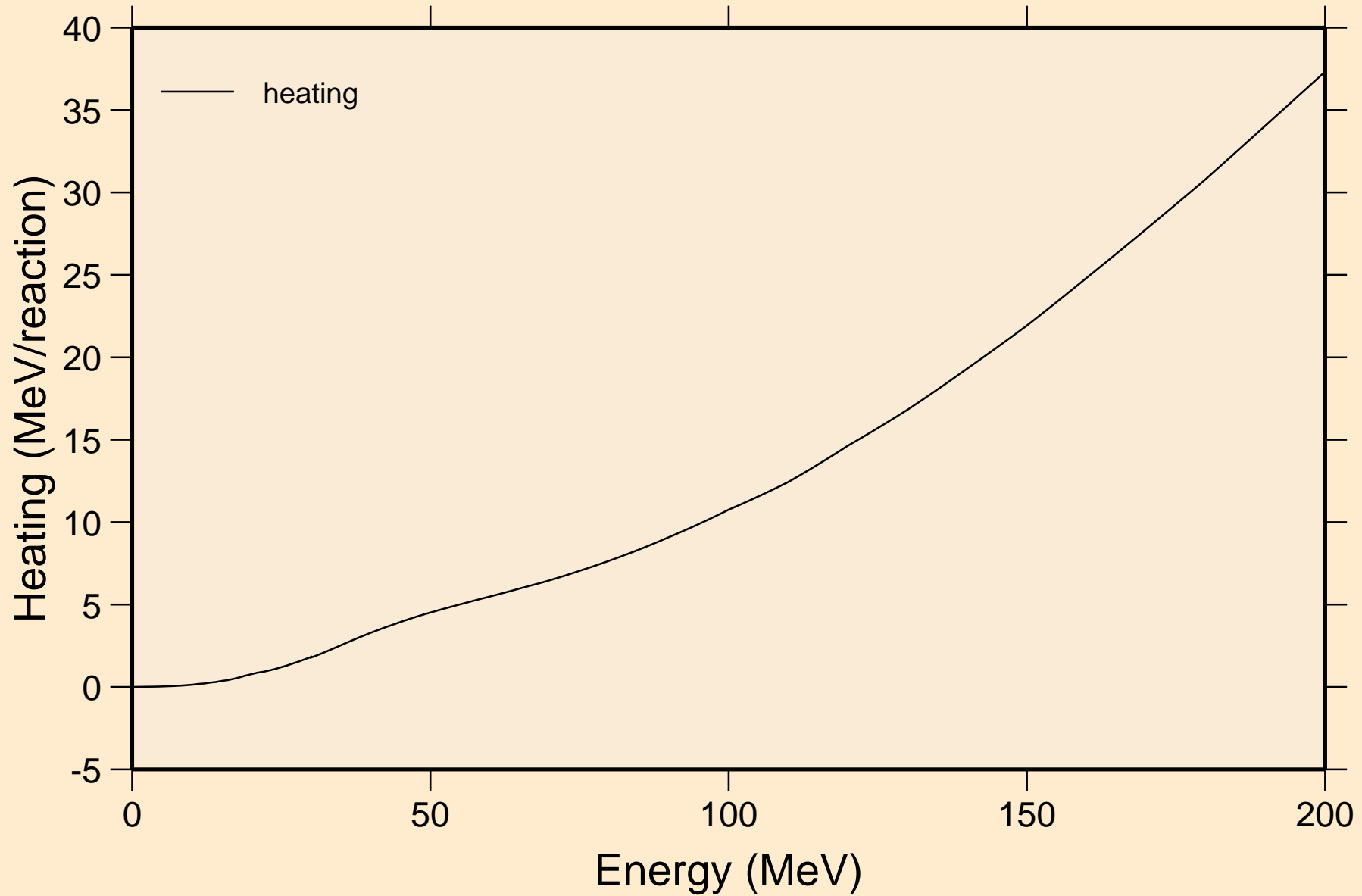
# IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections

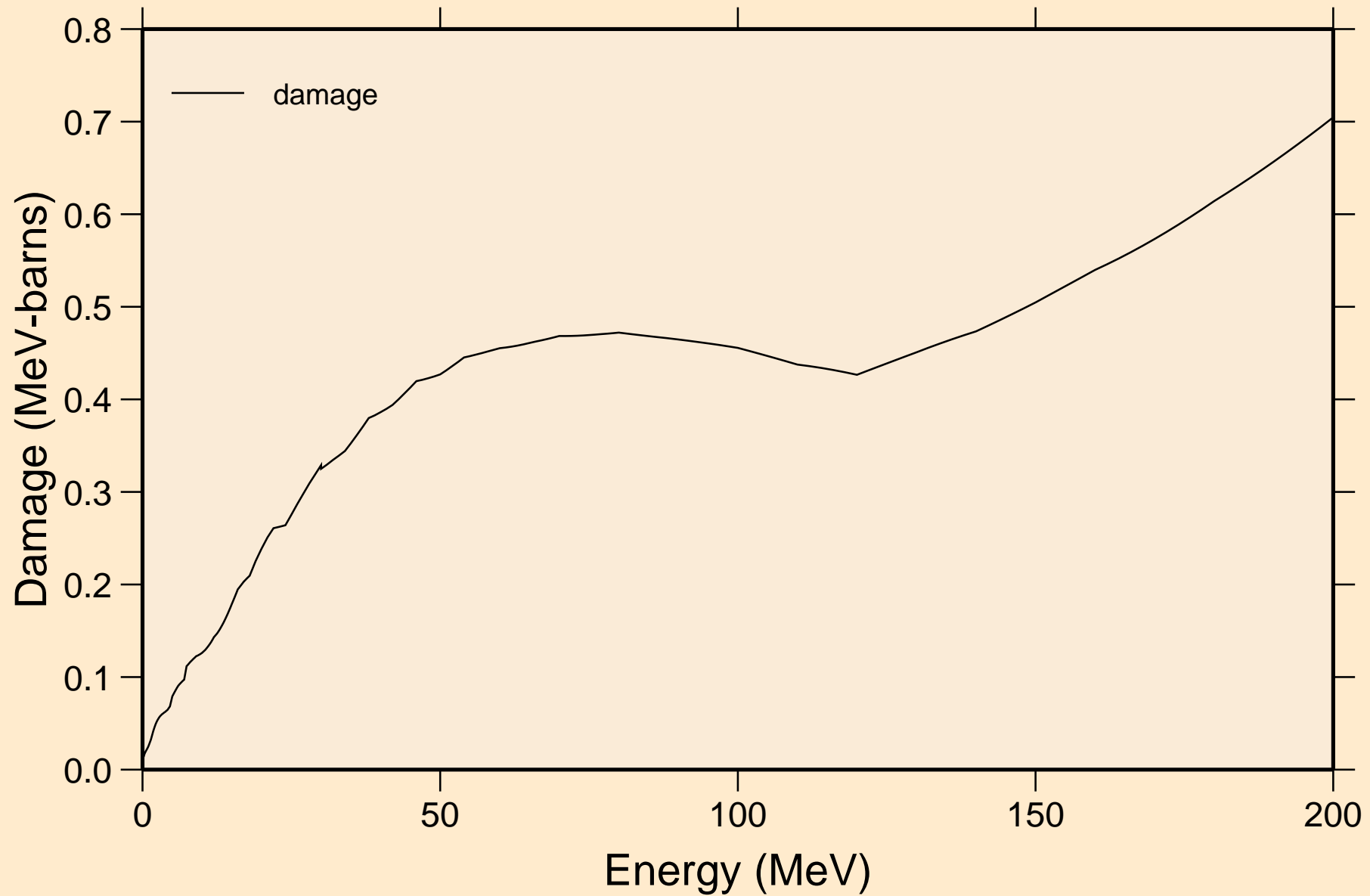


# IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Heating

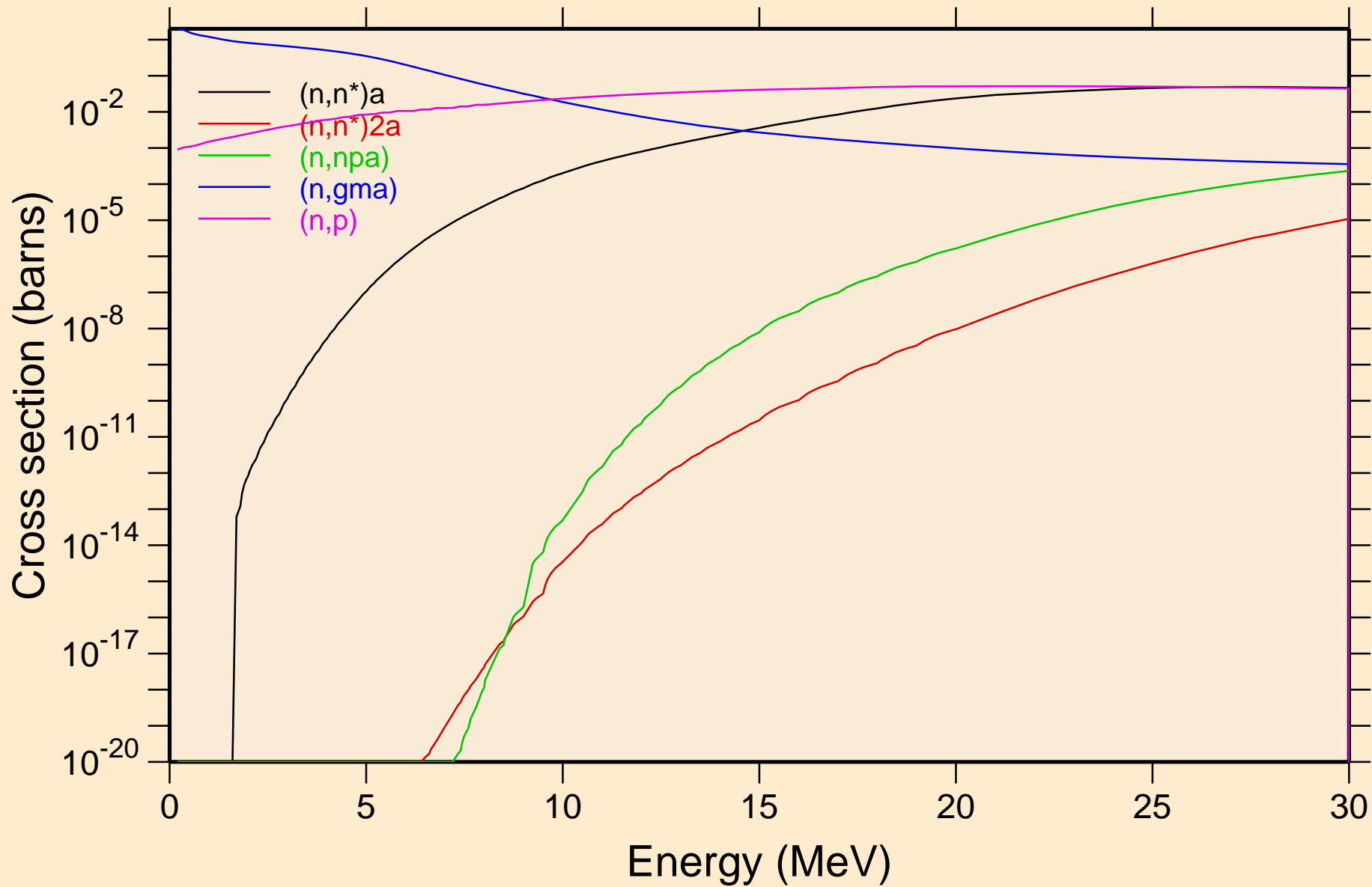


IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Damage



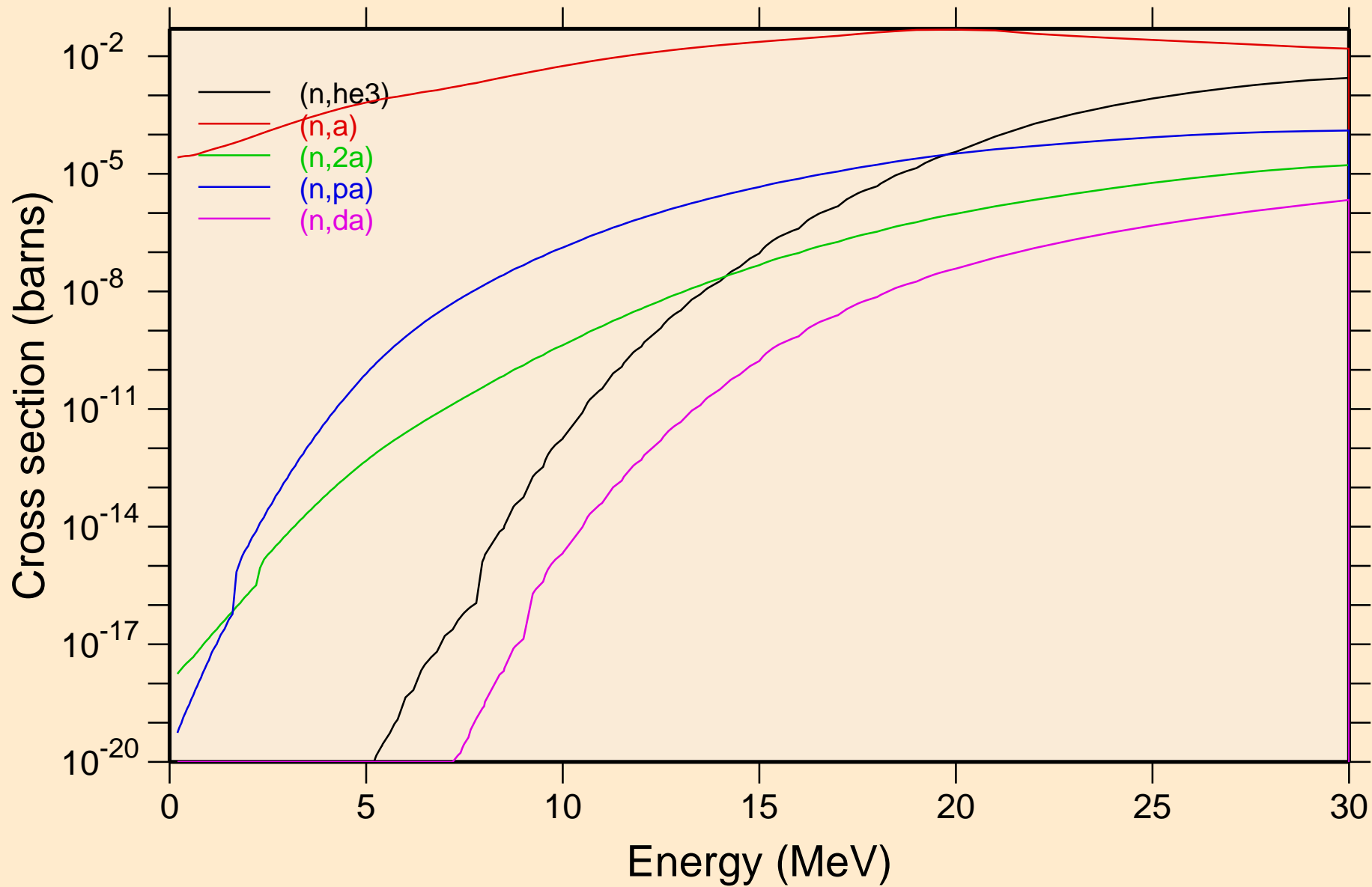
# IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Non-threshold reactions

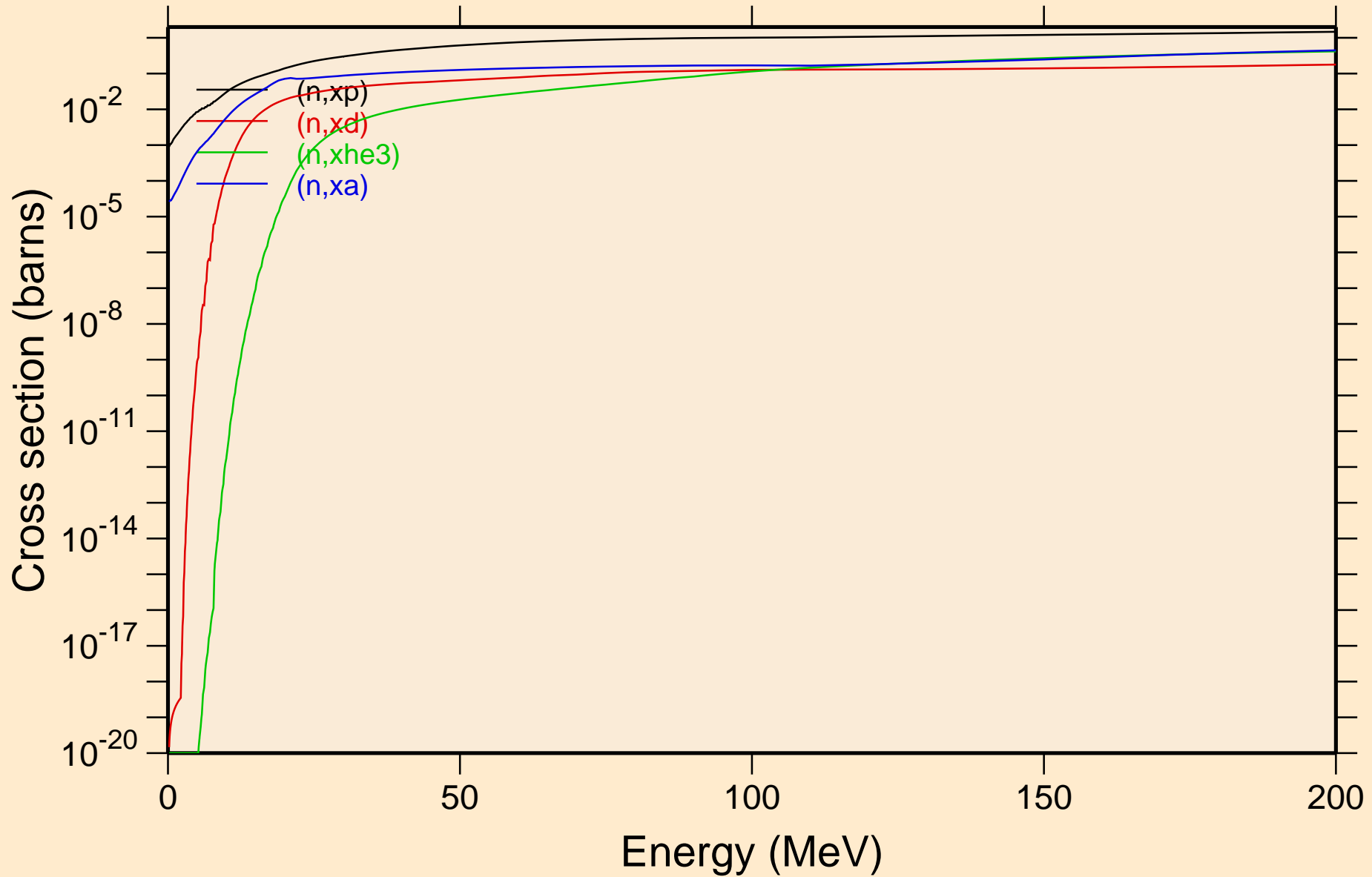




IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions

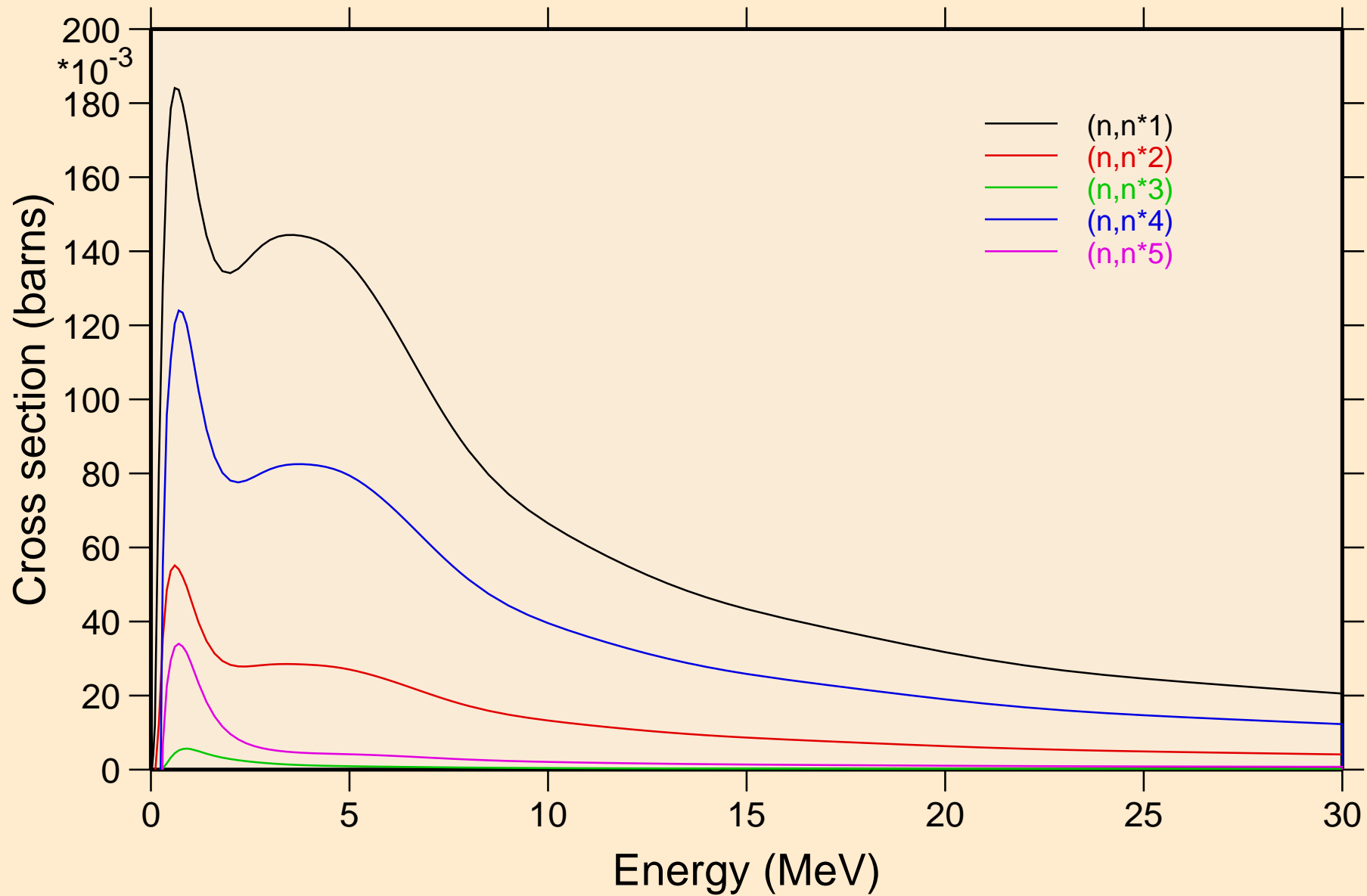


IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions

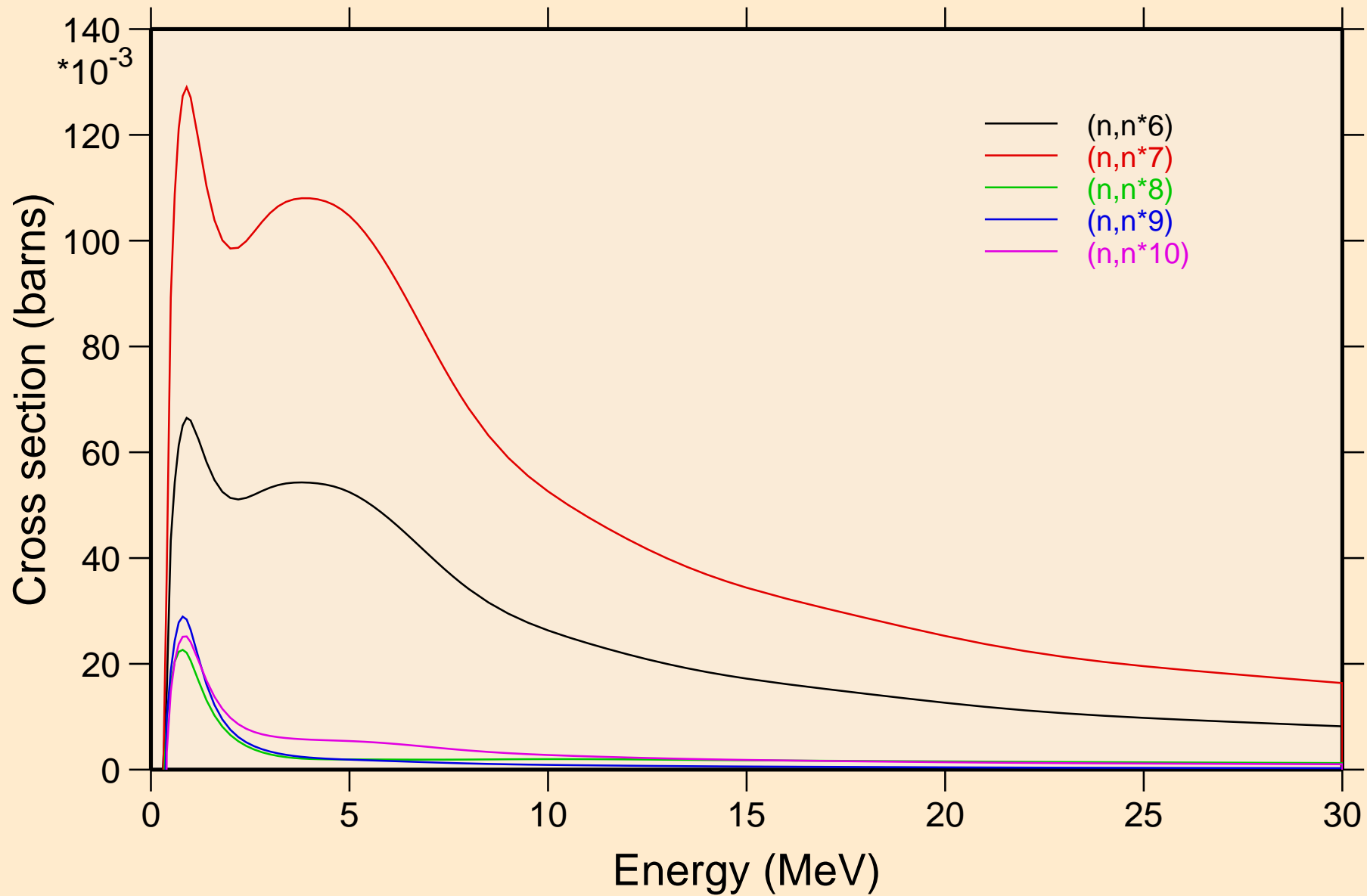


# IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

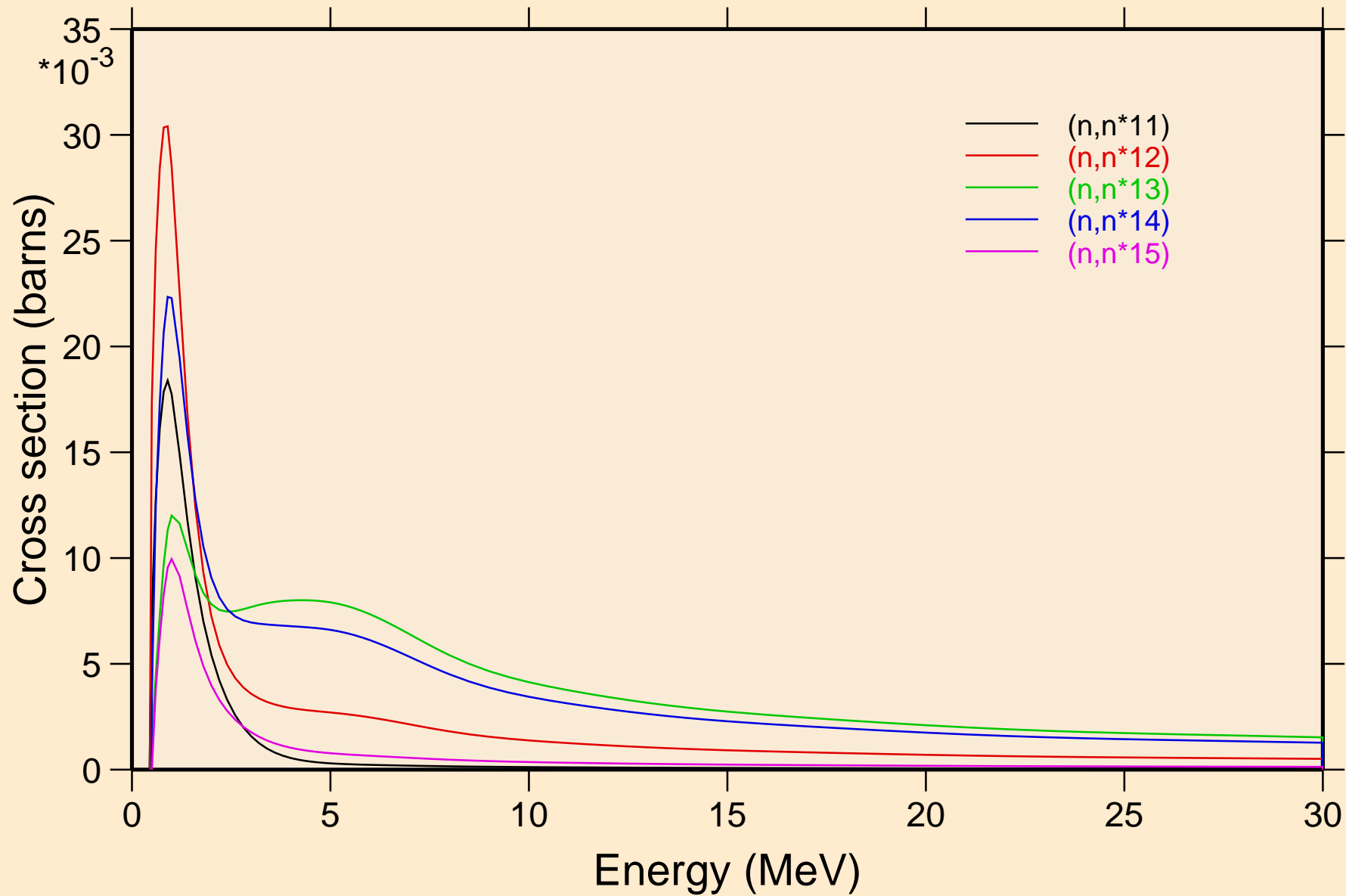
## Inelastic levels



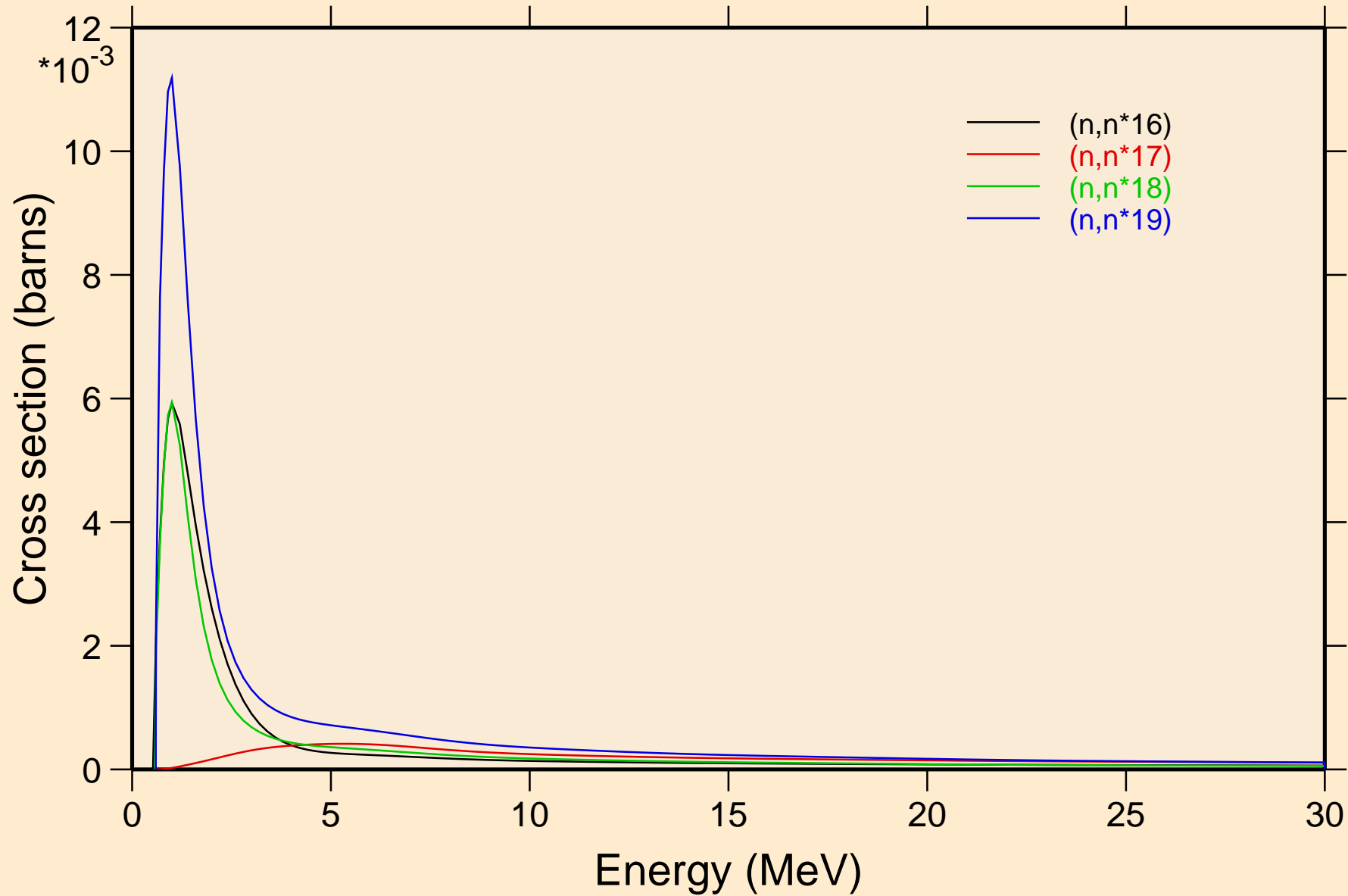
IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels

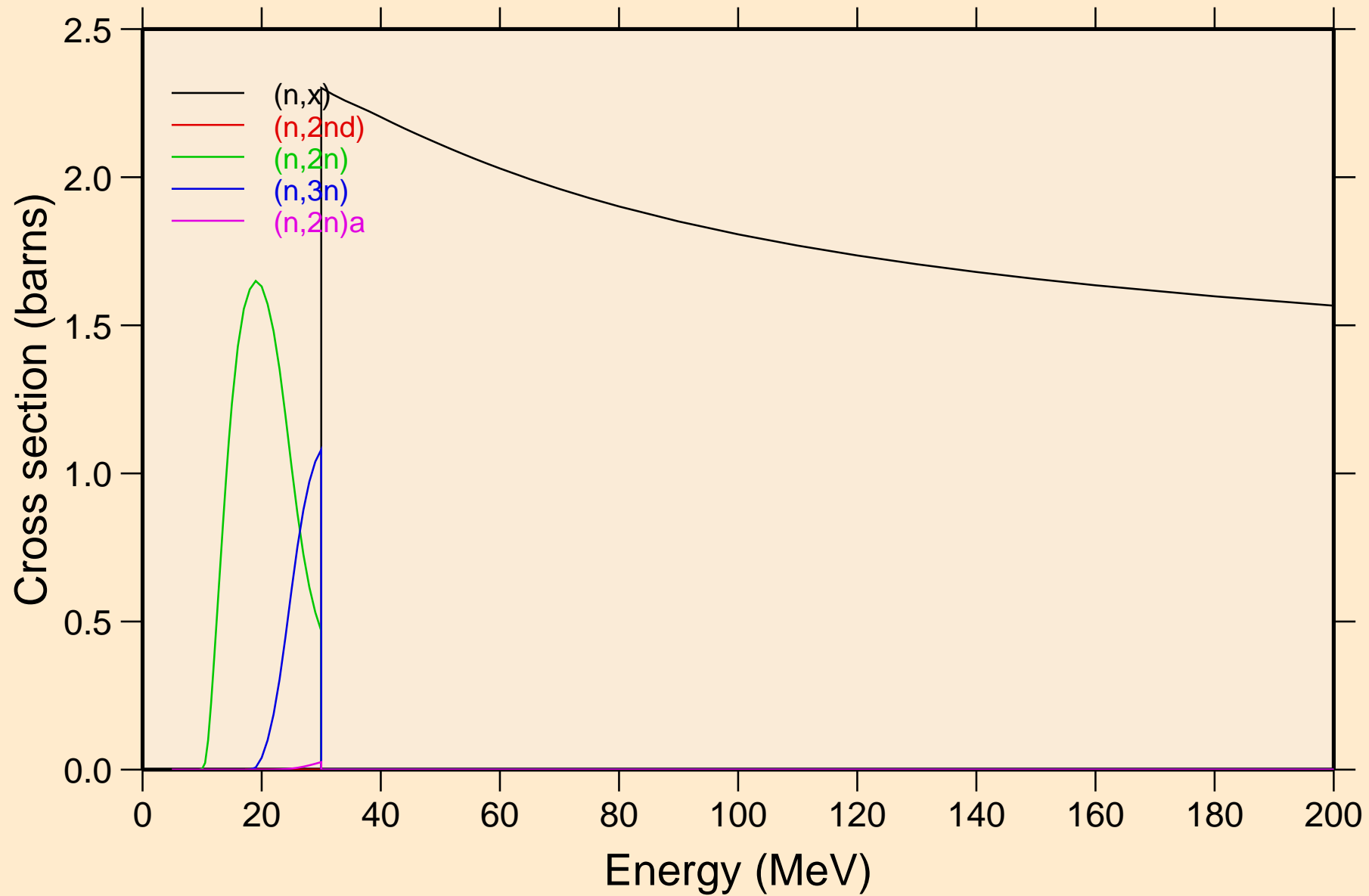


IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



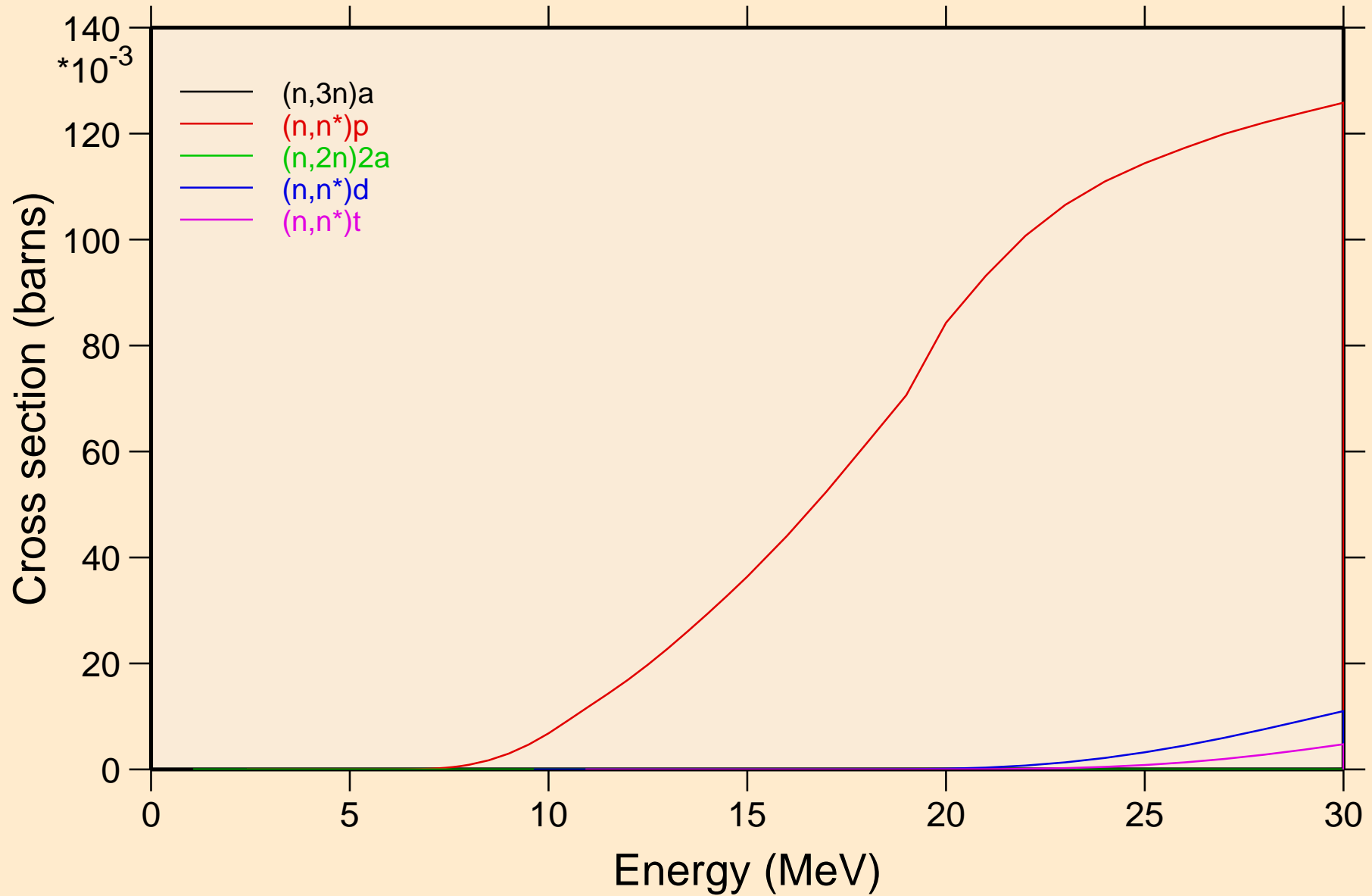
# IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions



# IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

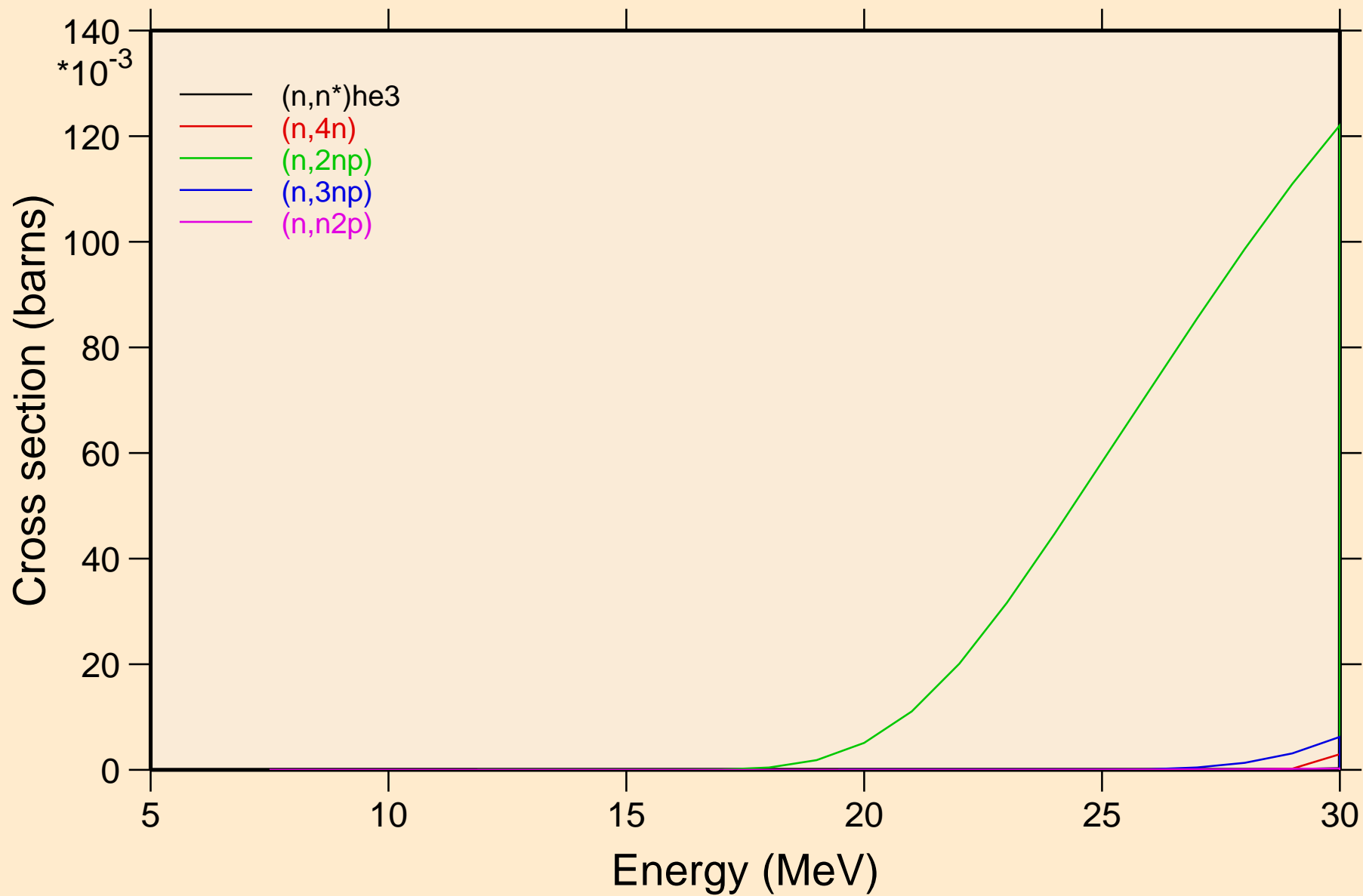
## Threshold reactions



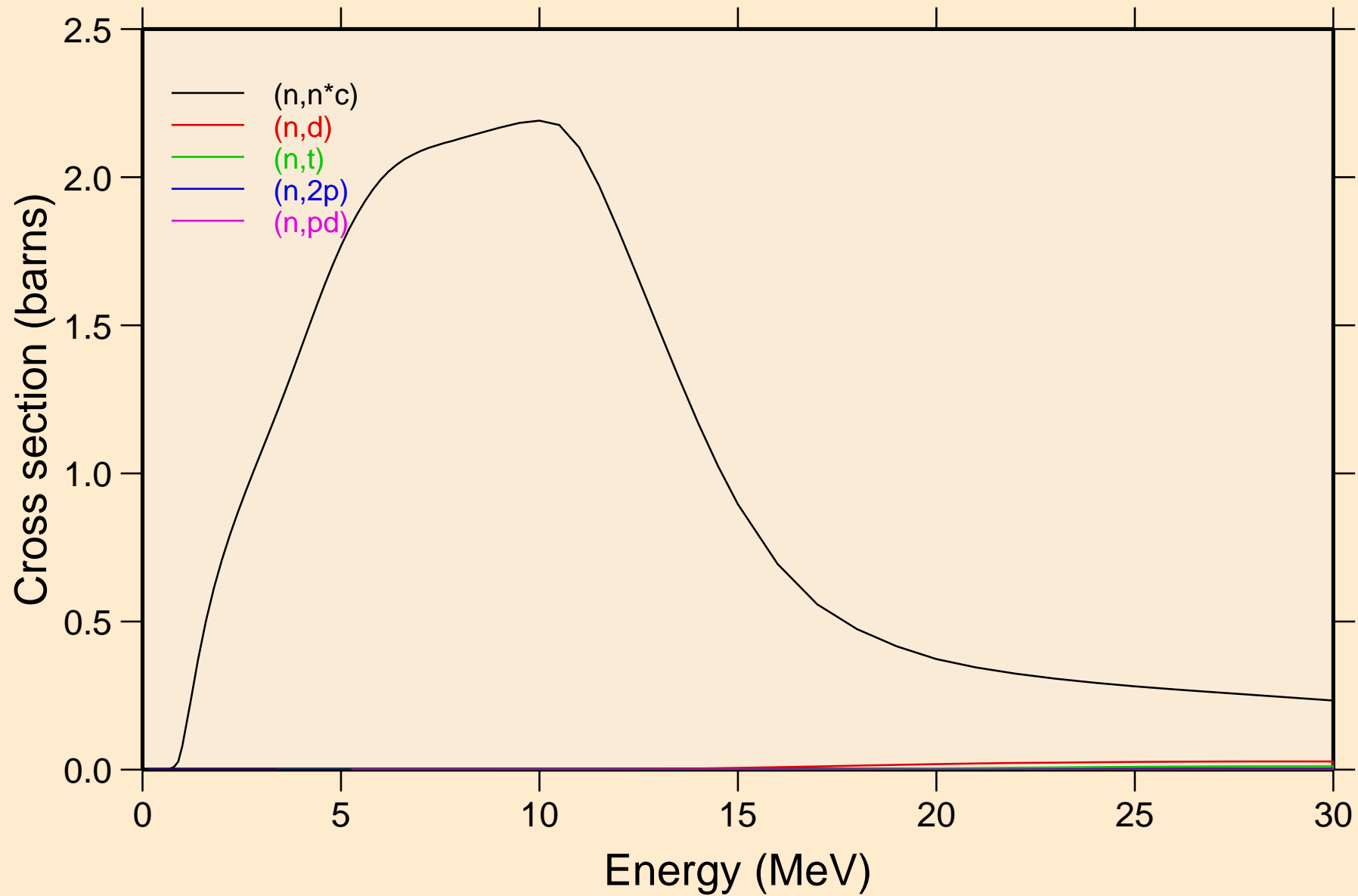


# IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

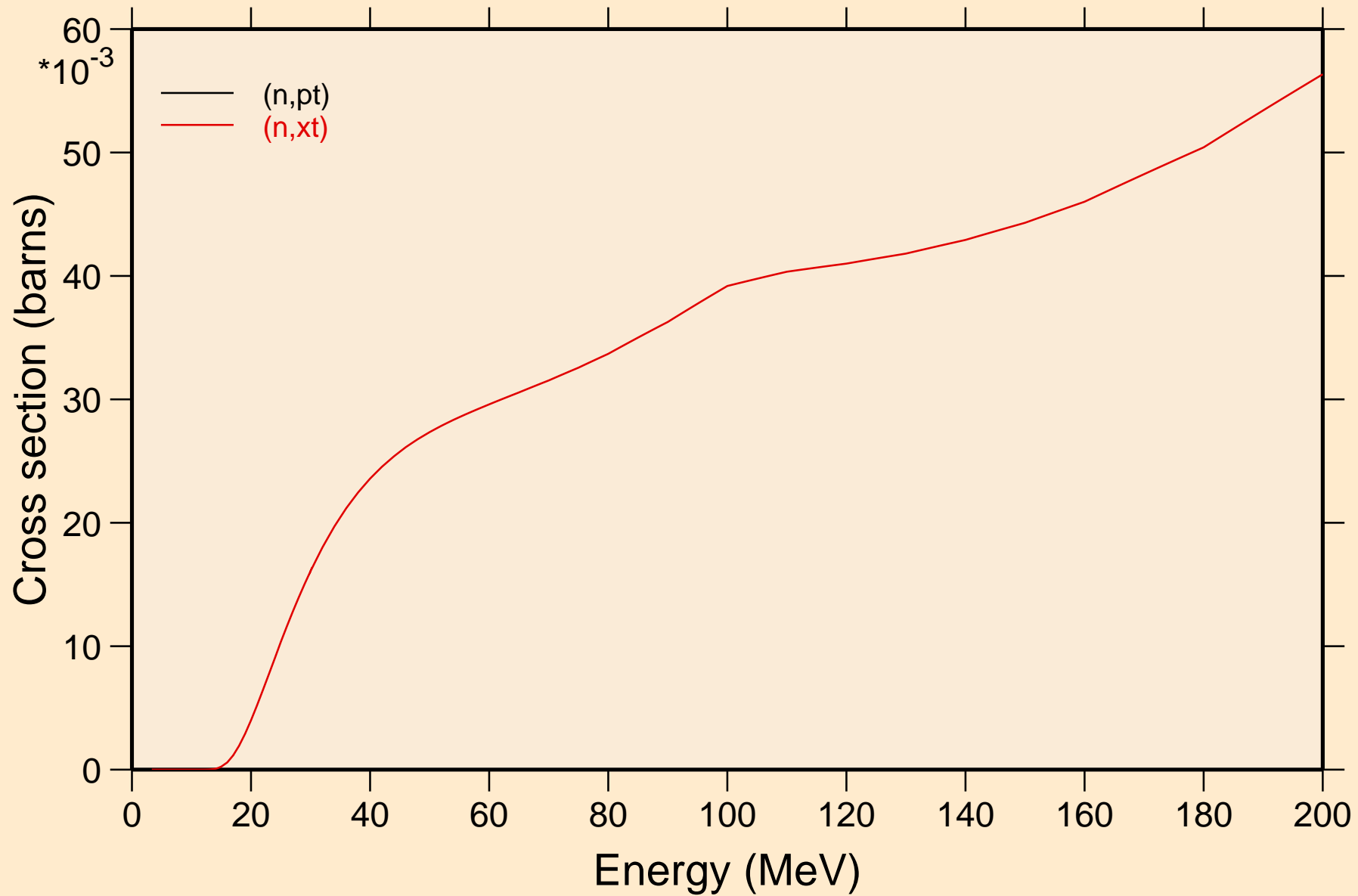
## Threshold reactions



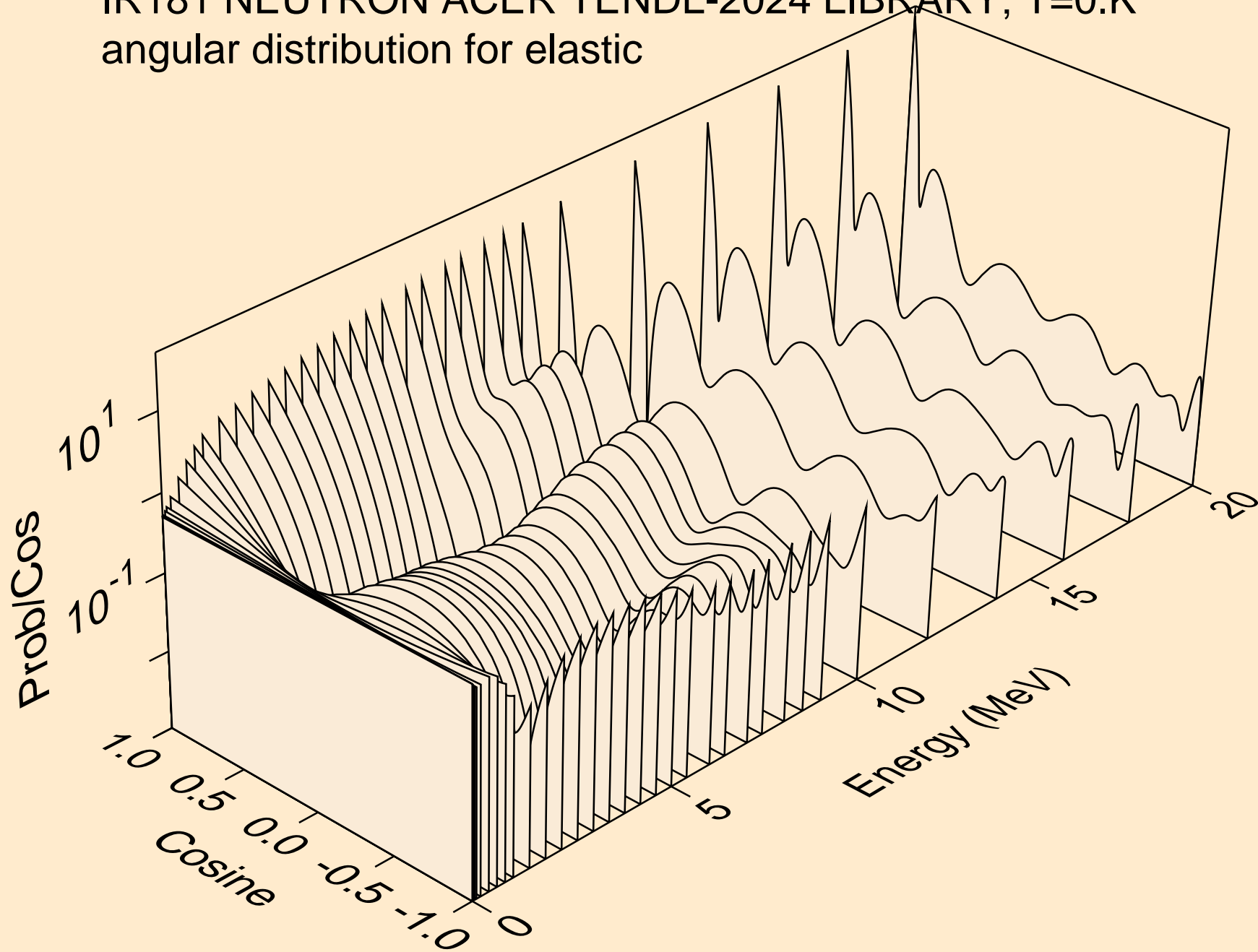
IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



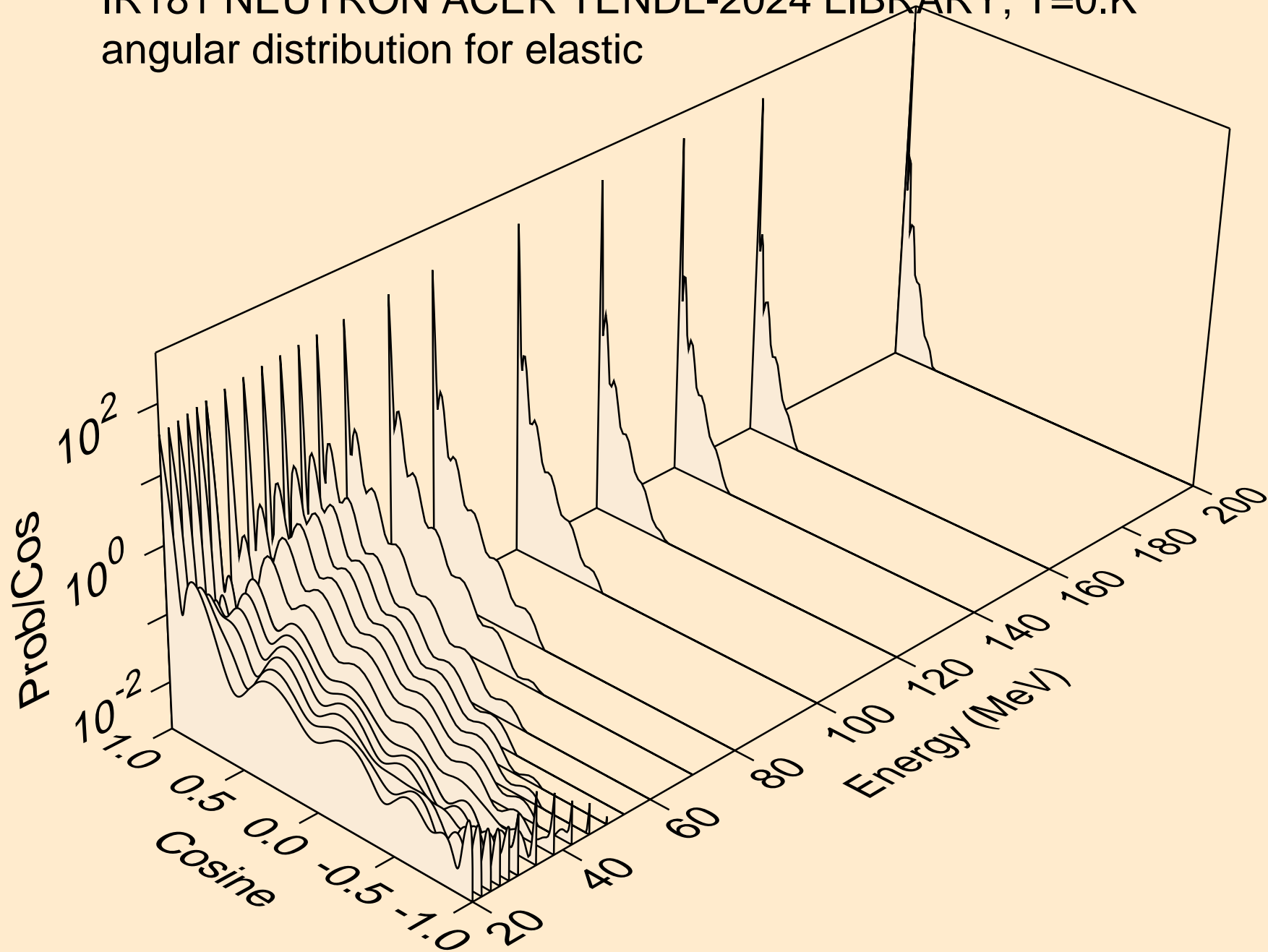
IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



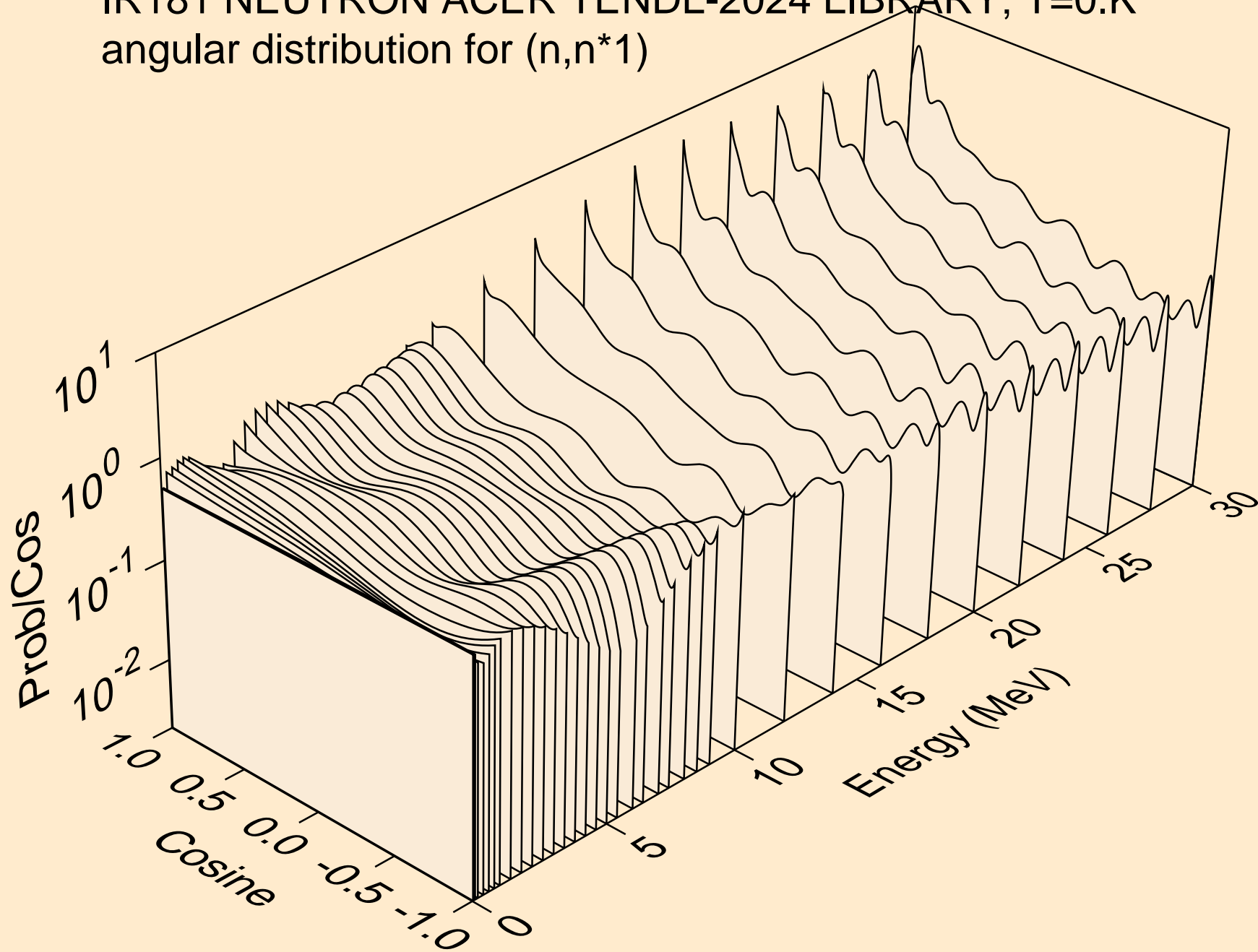
IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



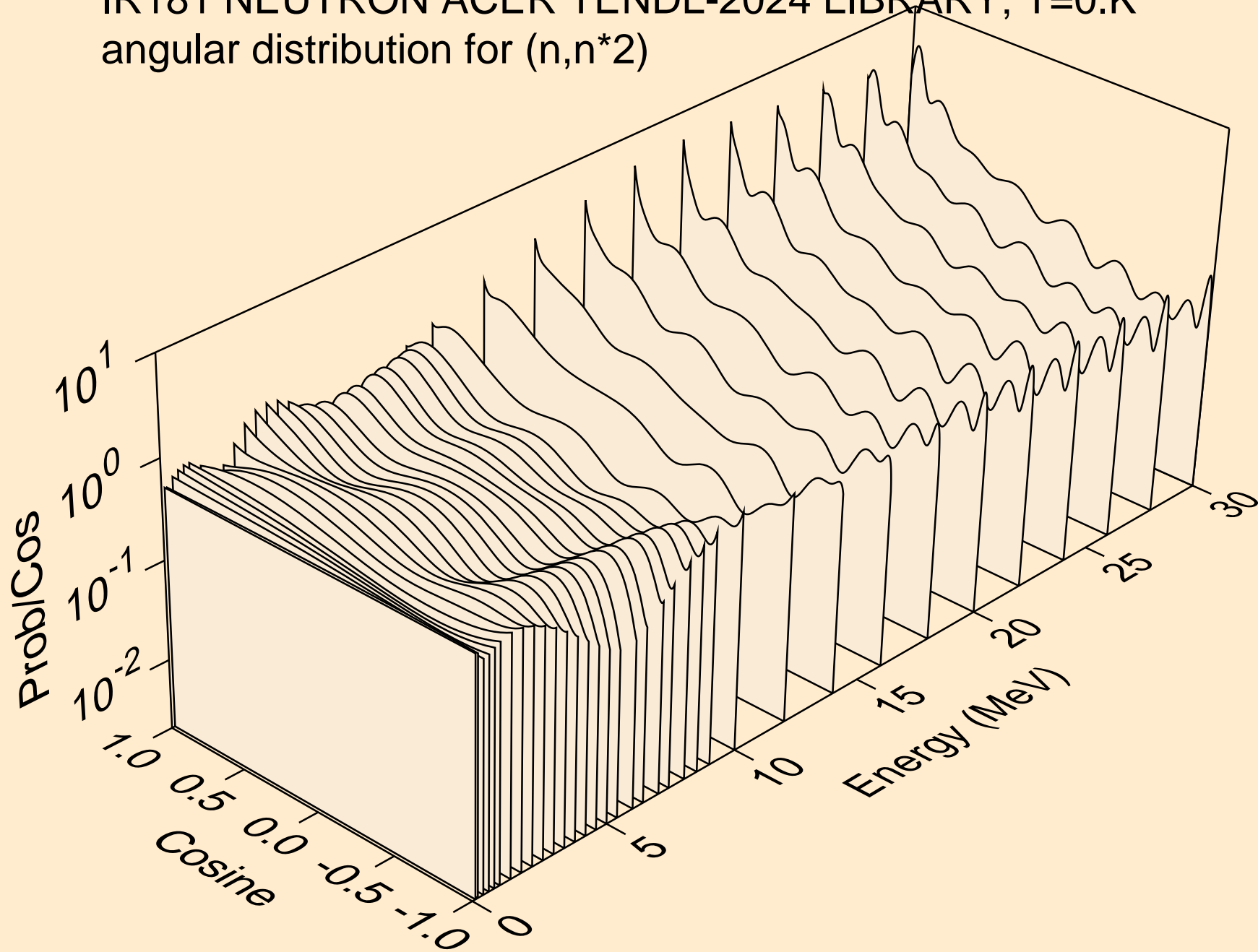
IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



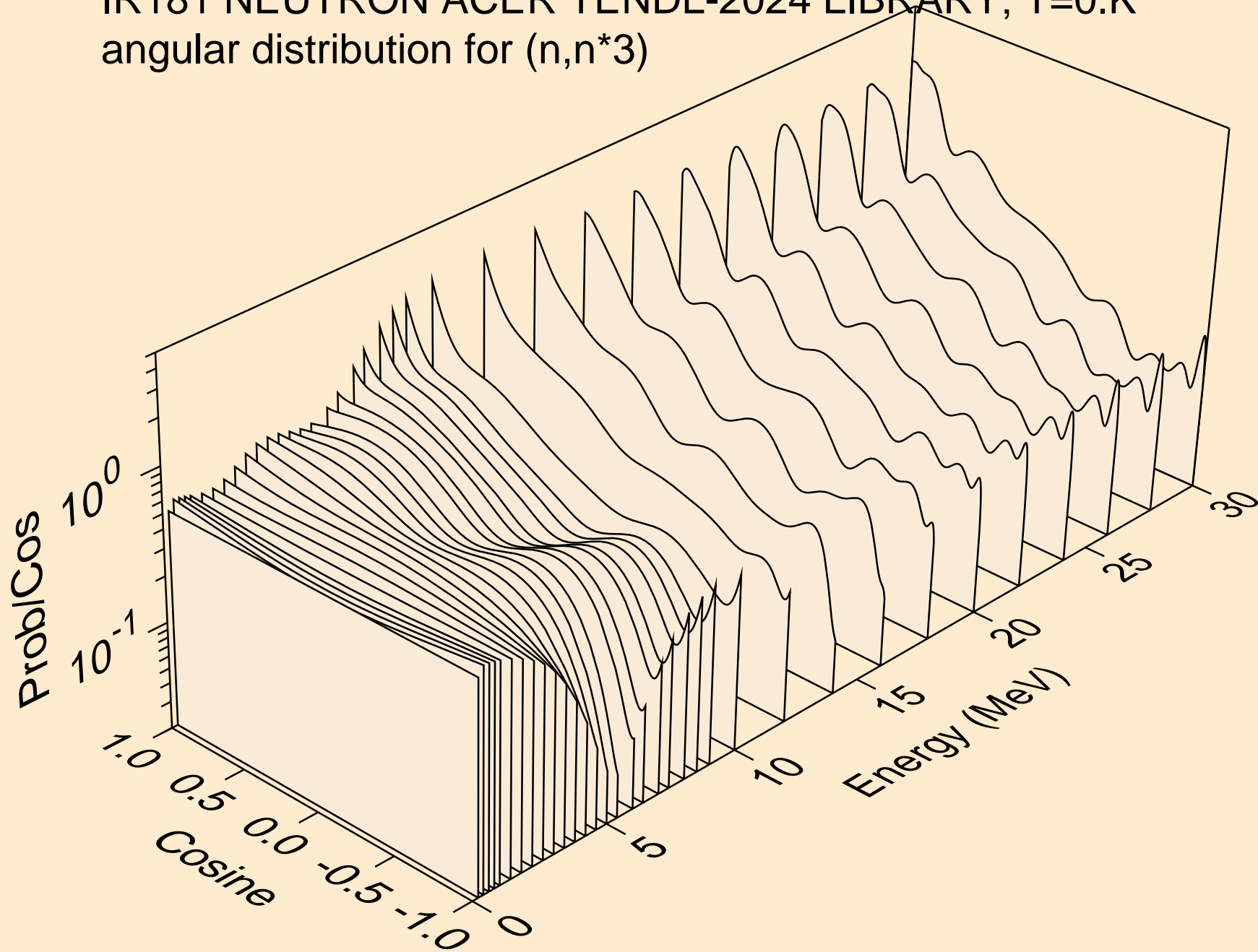
IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*2)

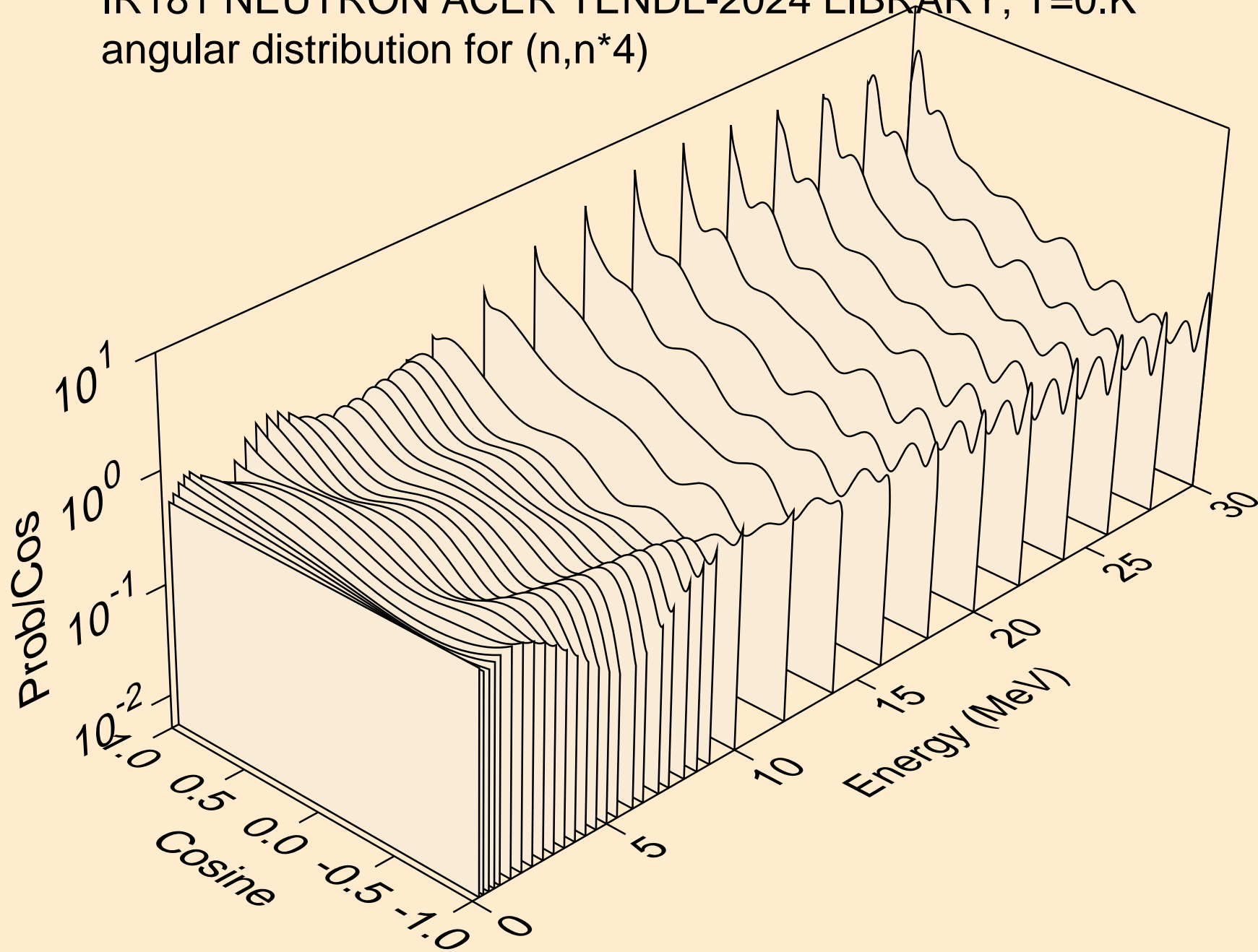


IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*3)

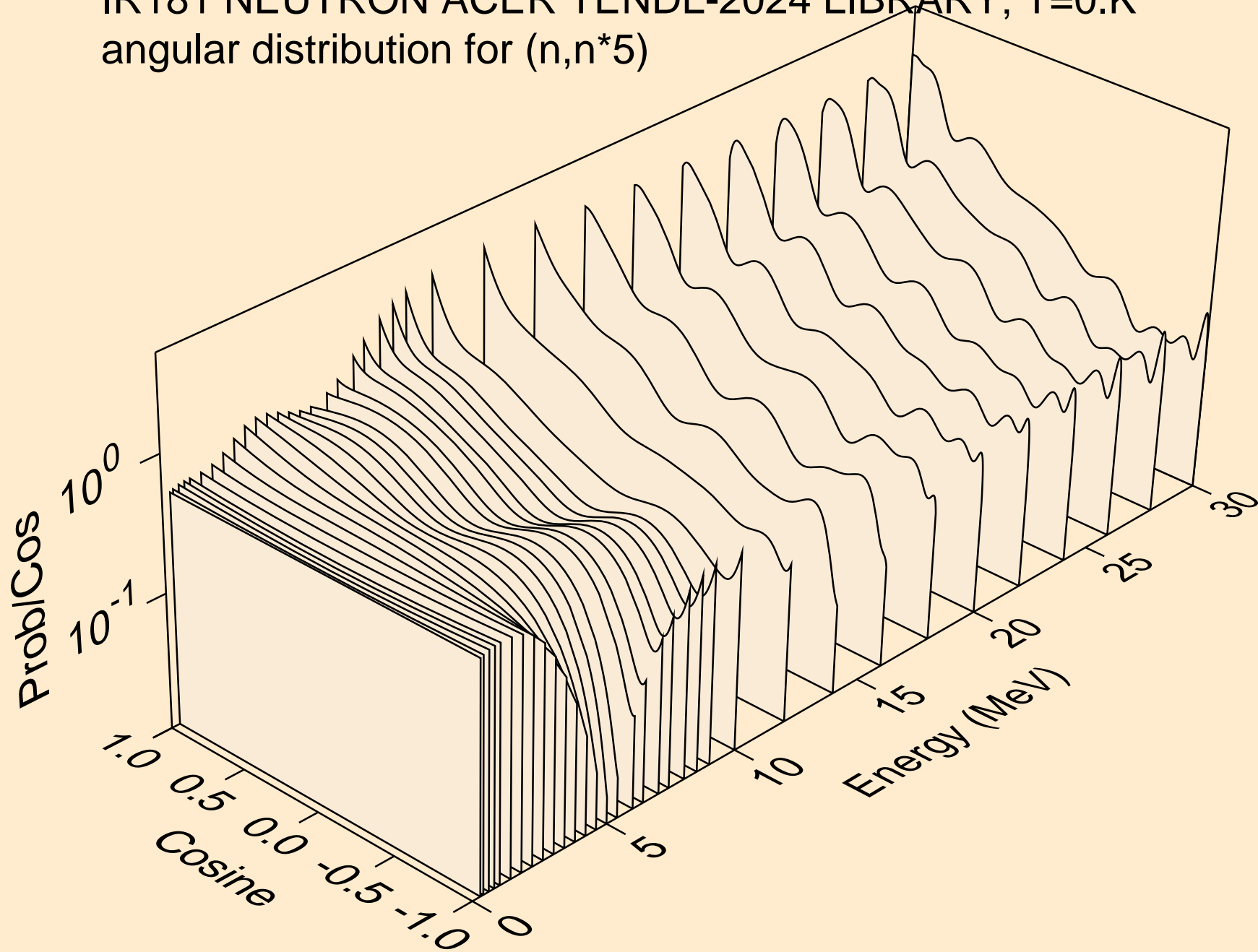




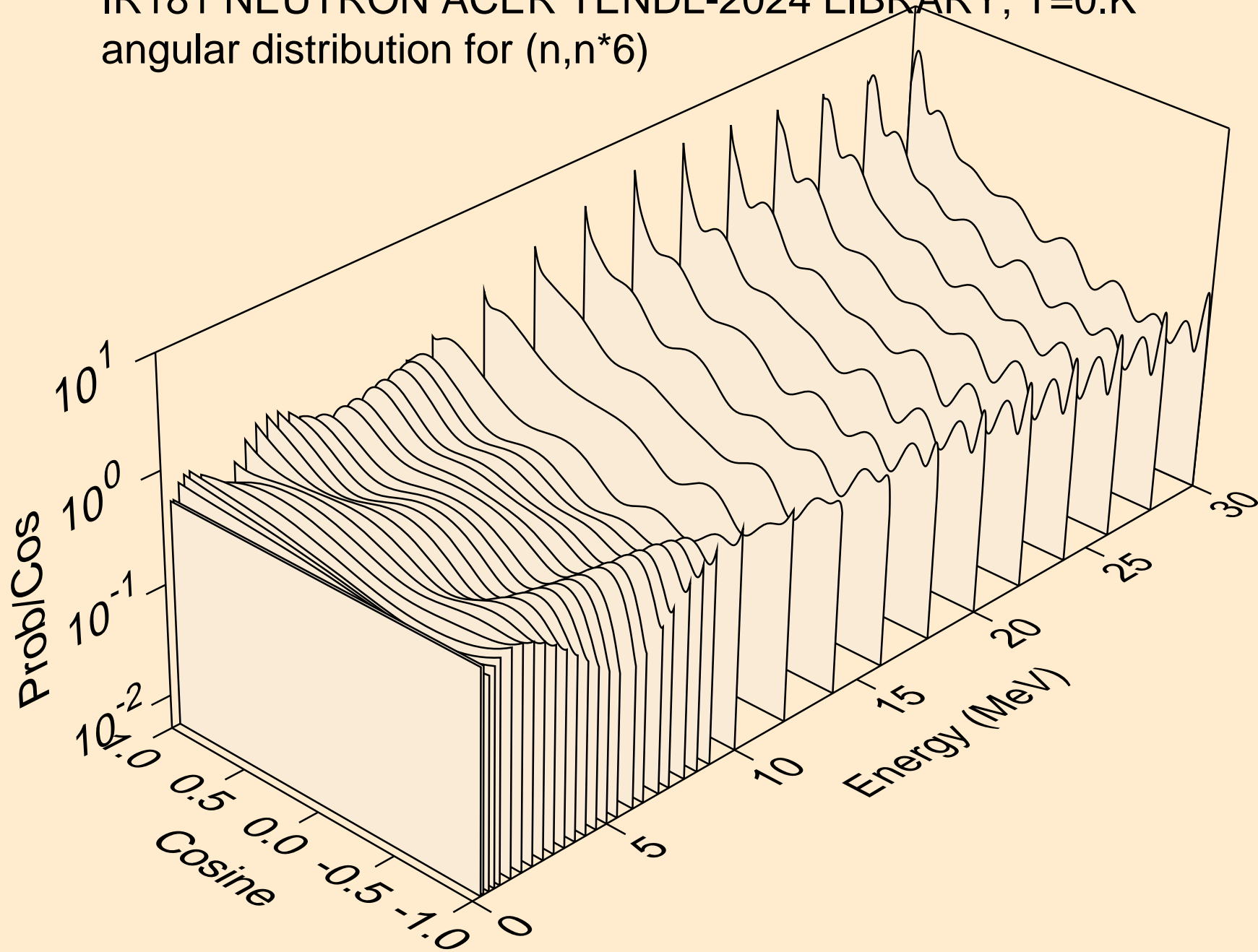
IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*4)



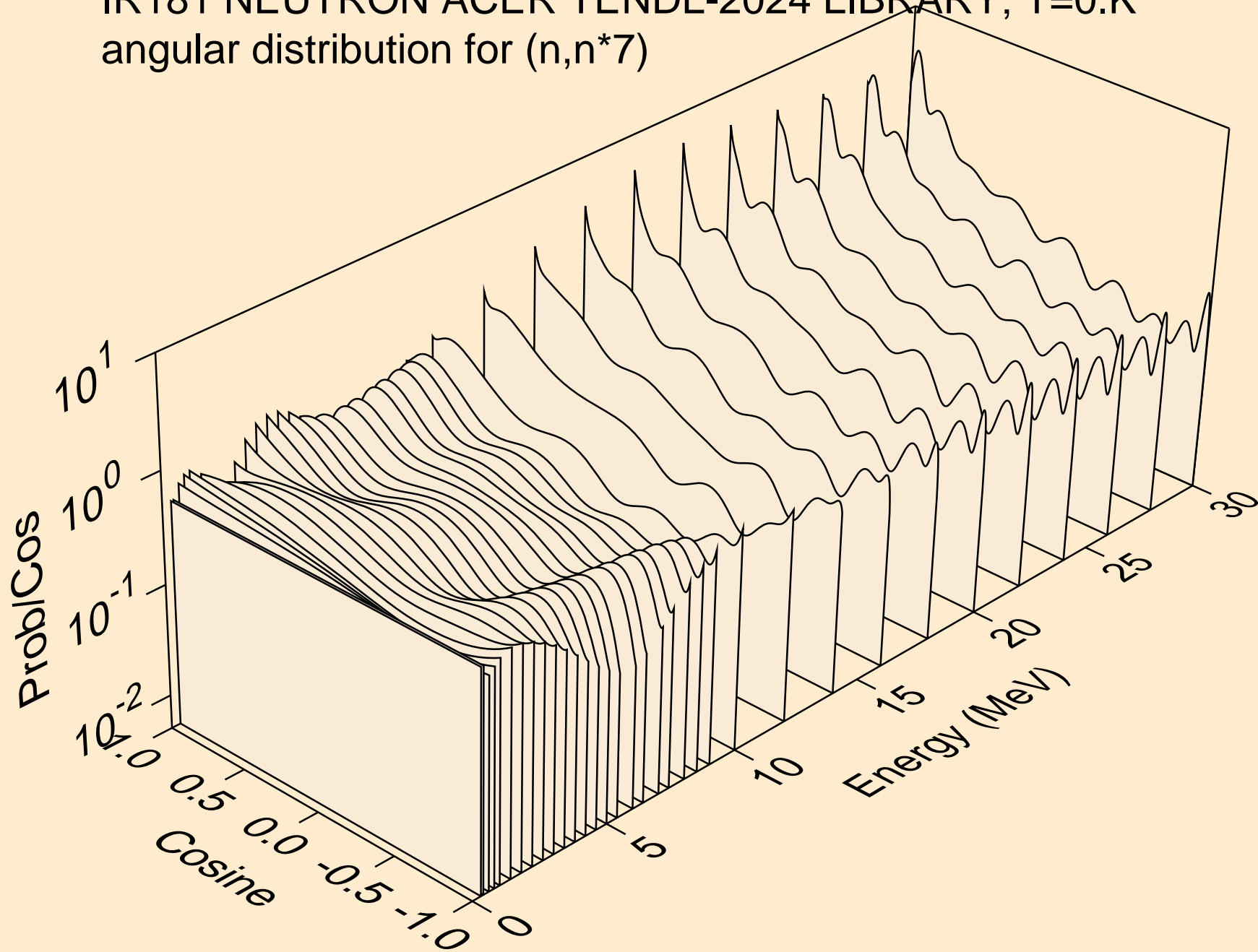
IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*5)



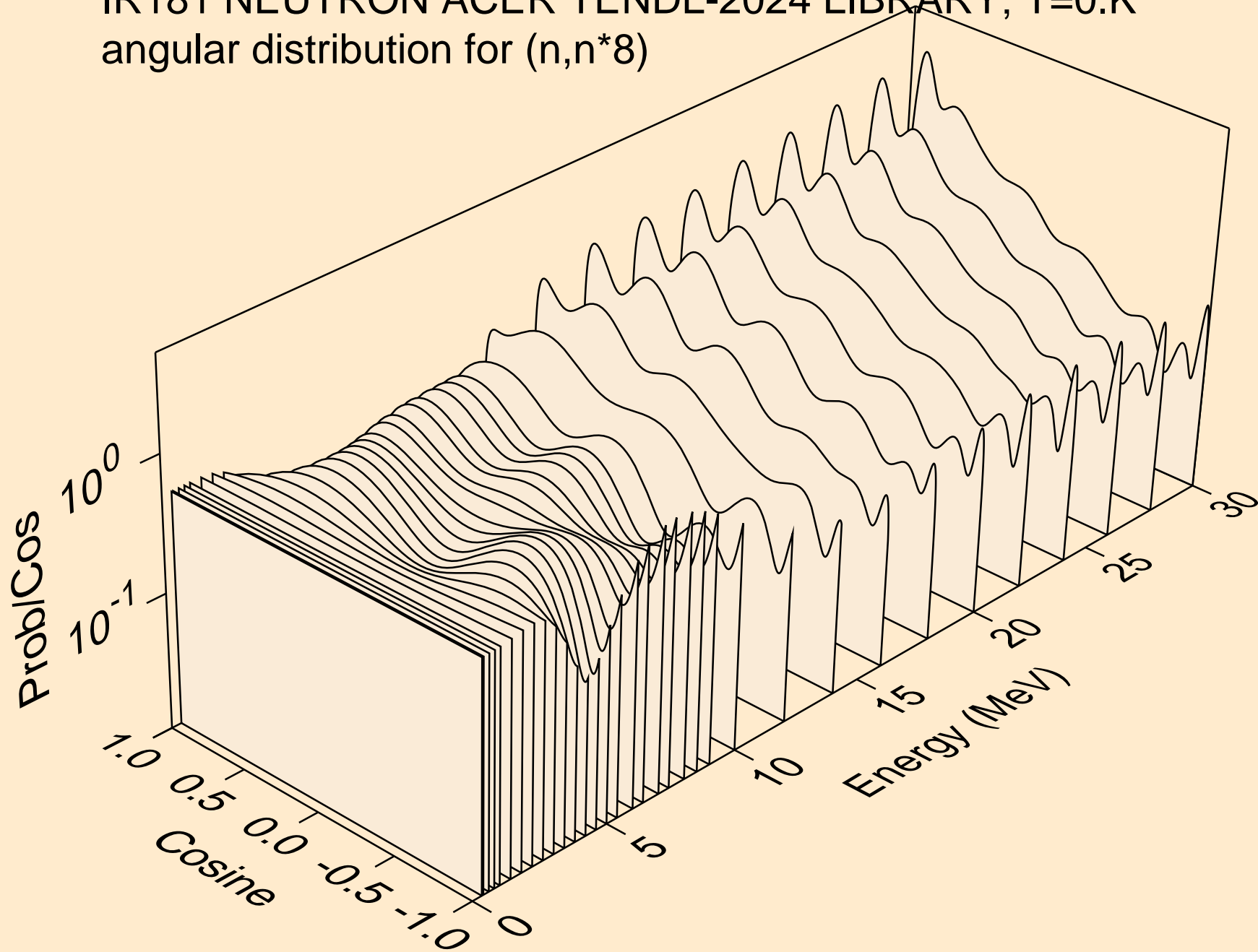
IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*6)



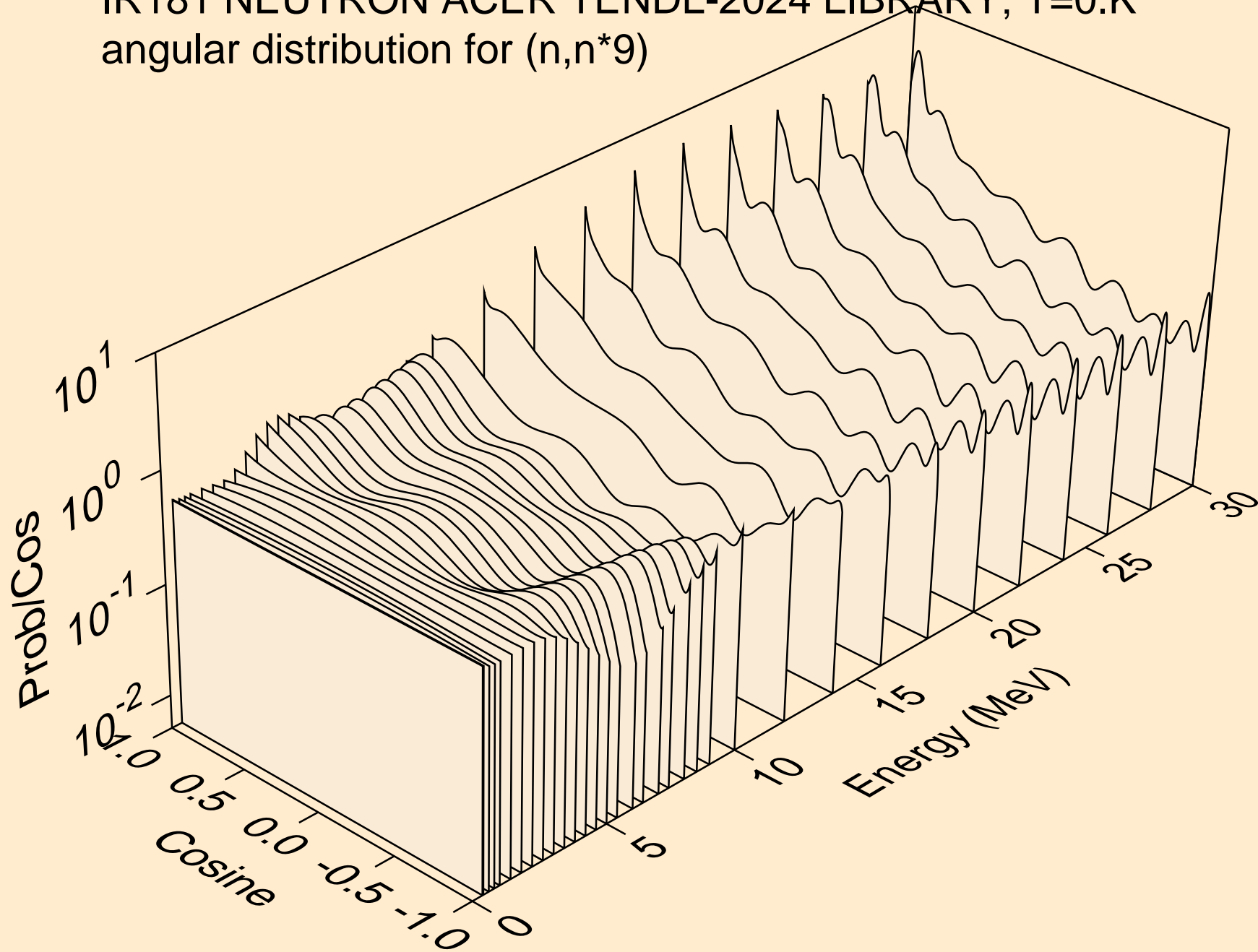
IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*7)



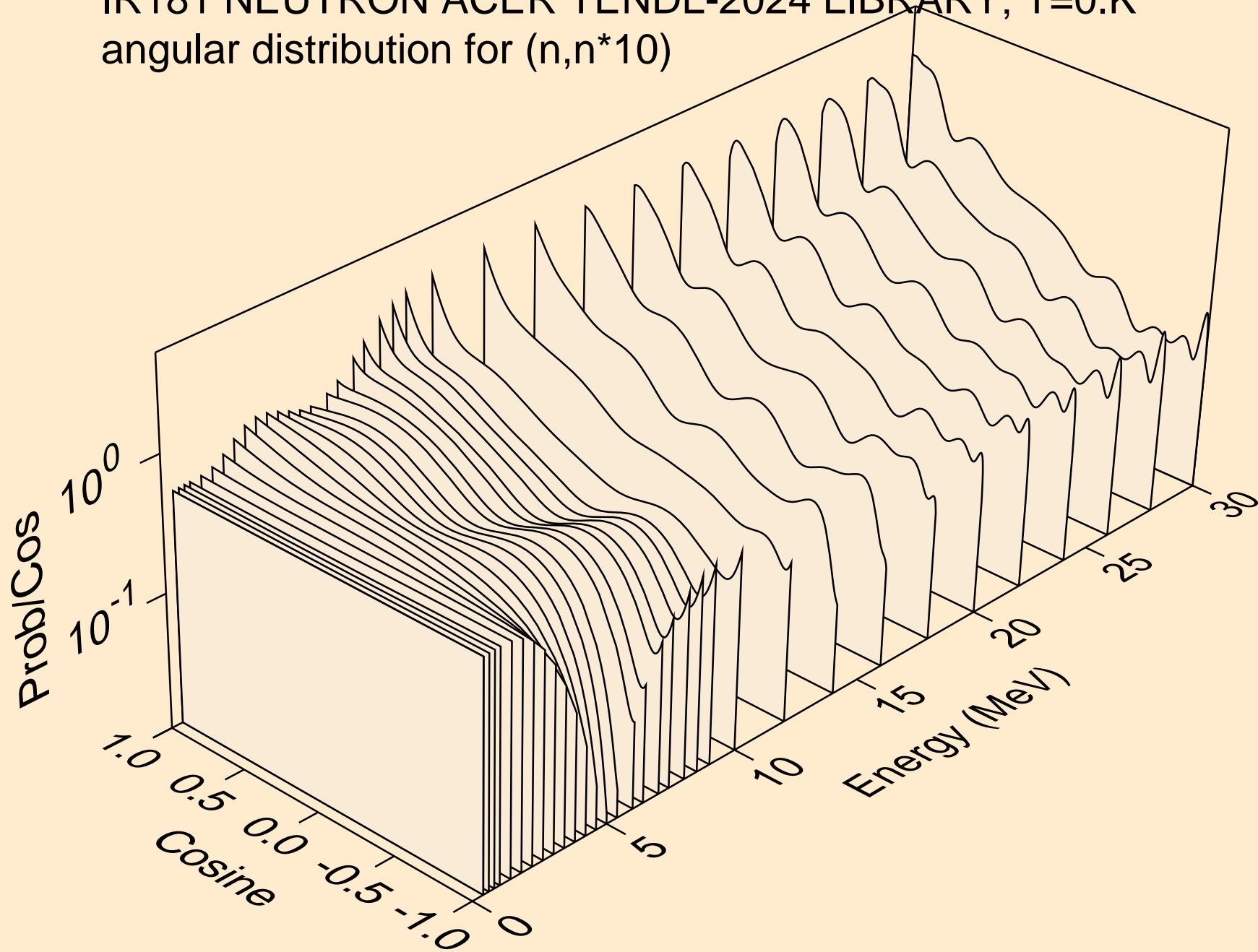
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angular distribution for (n,n\*8)



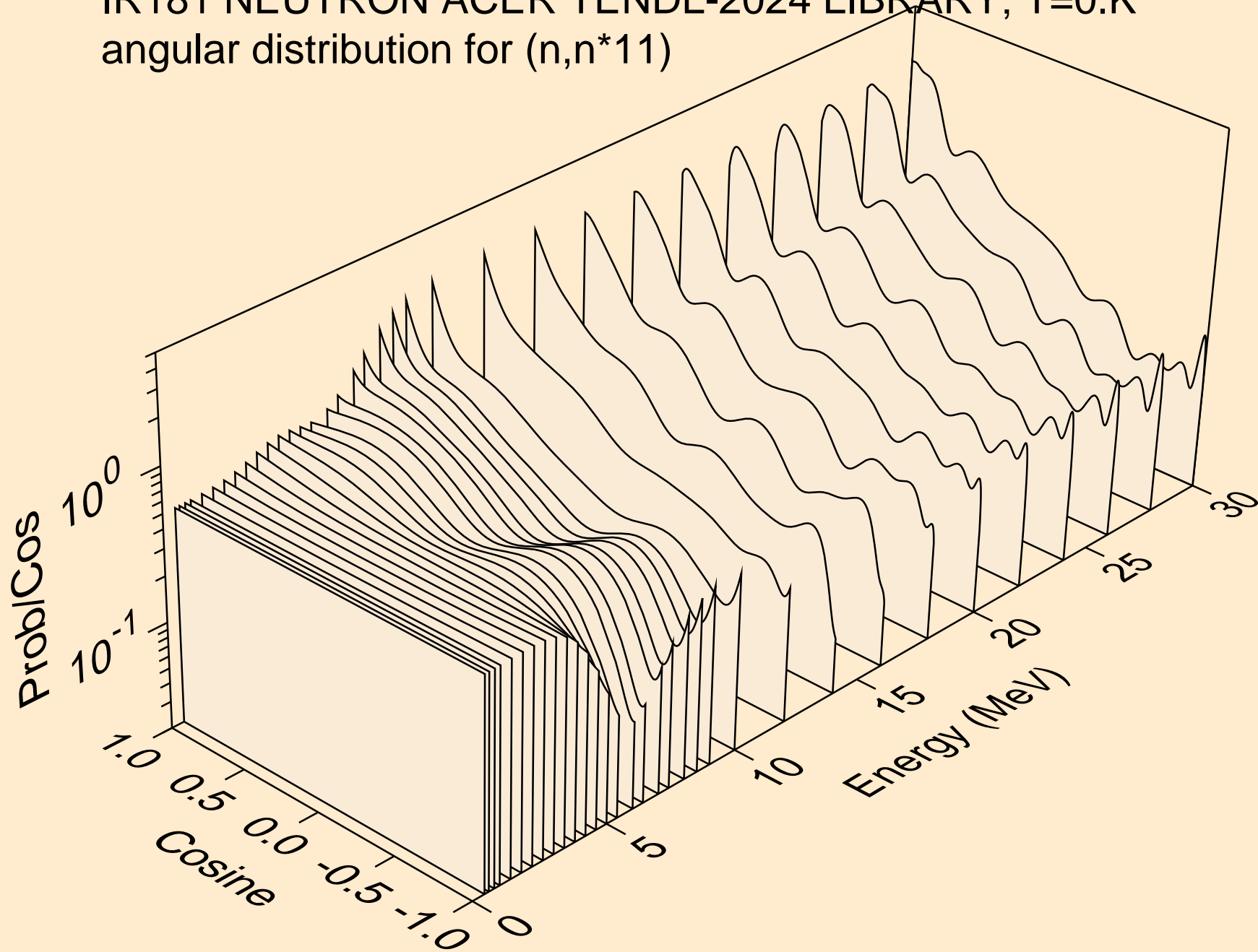
IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*9)



IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*10)

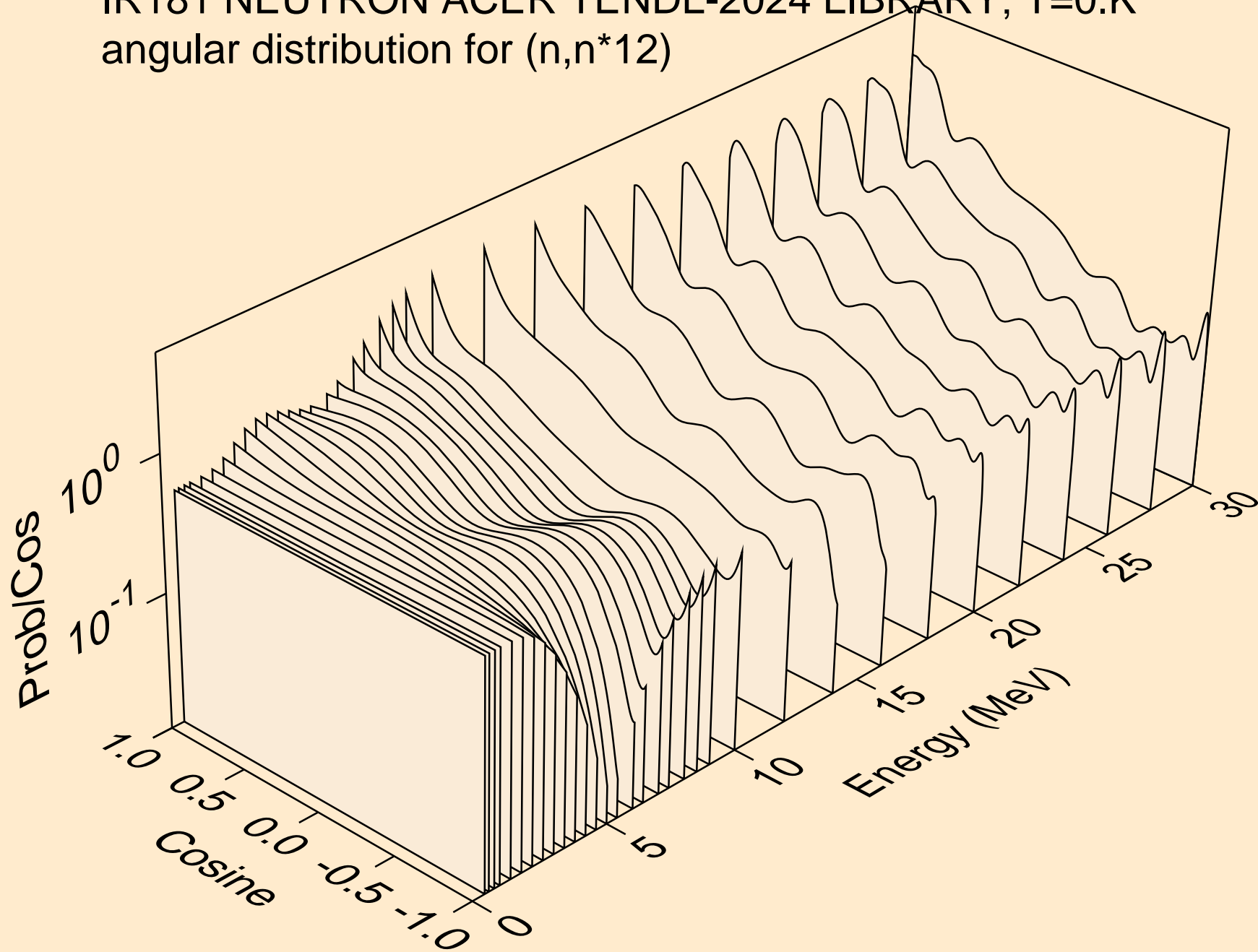


IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*11)

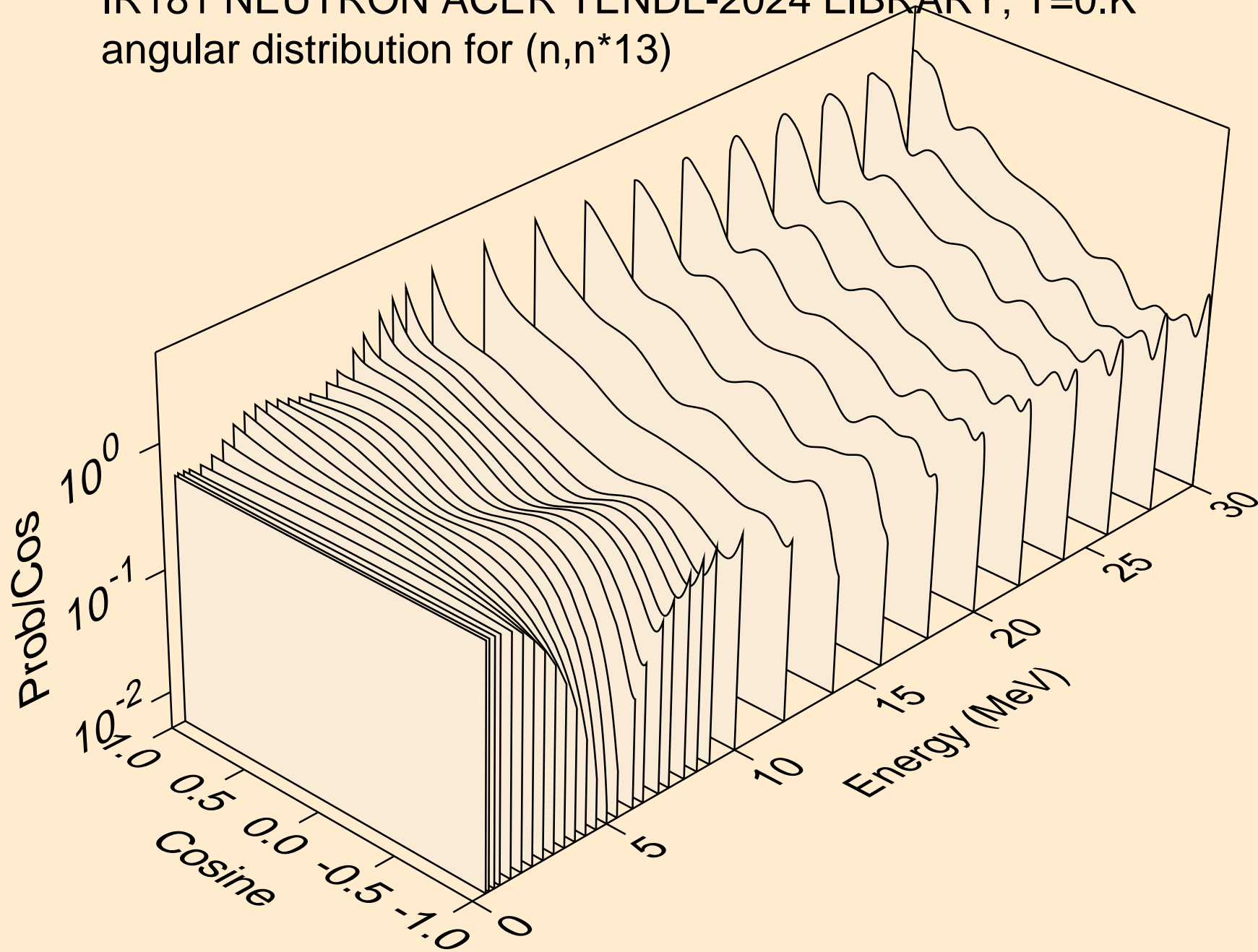




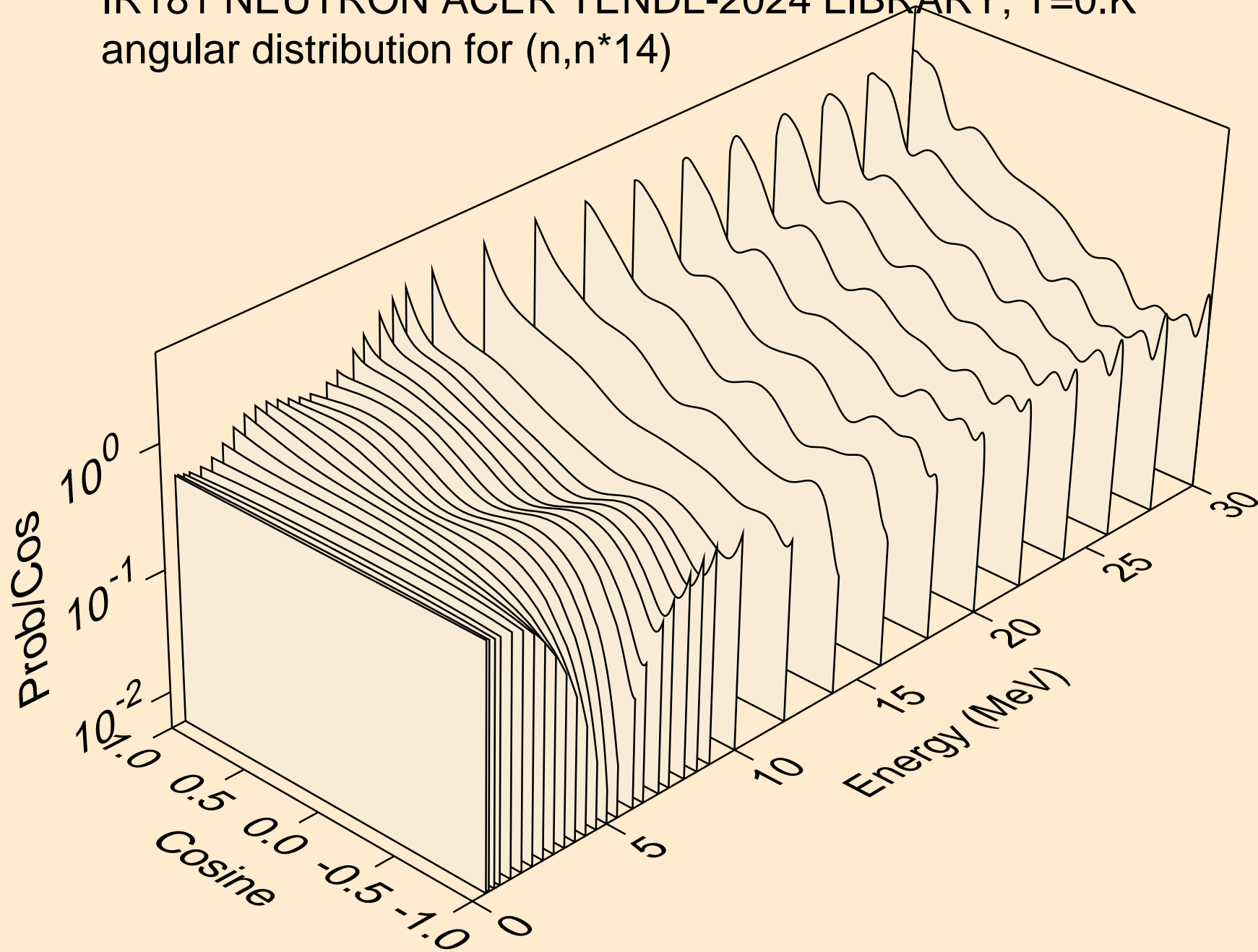
IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*12)



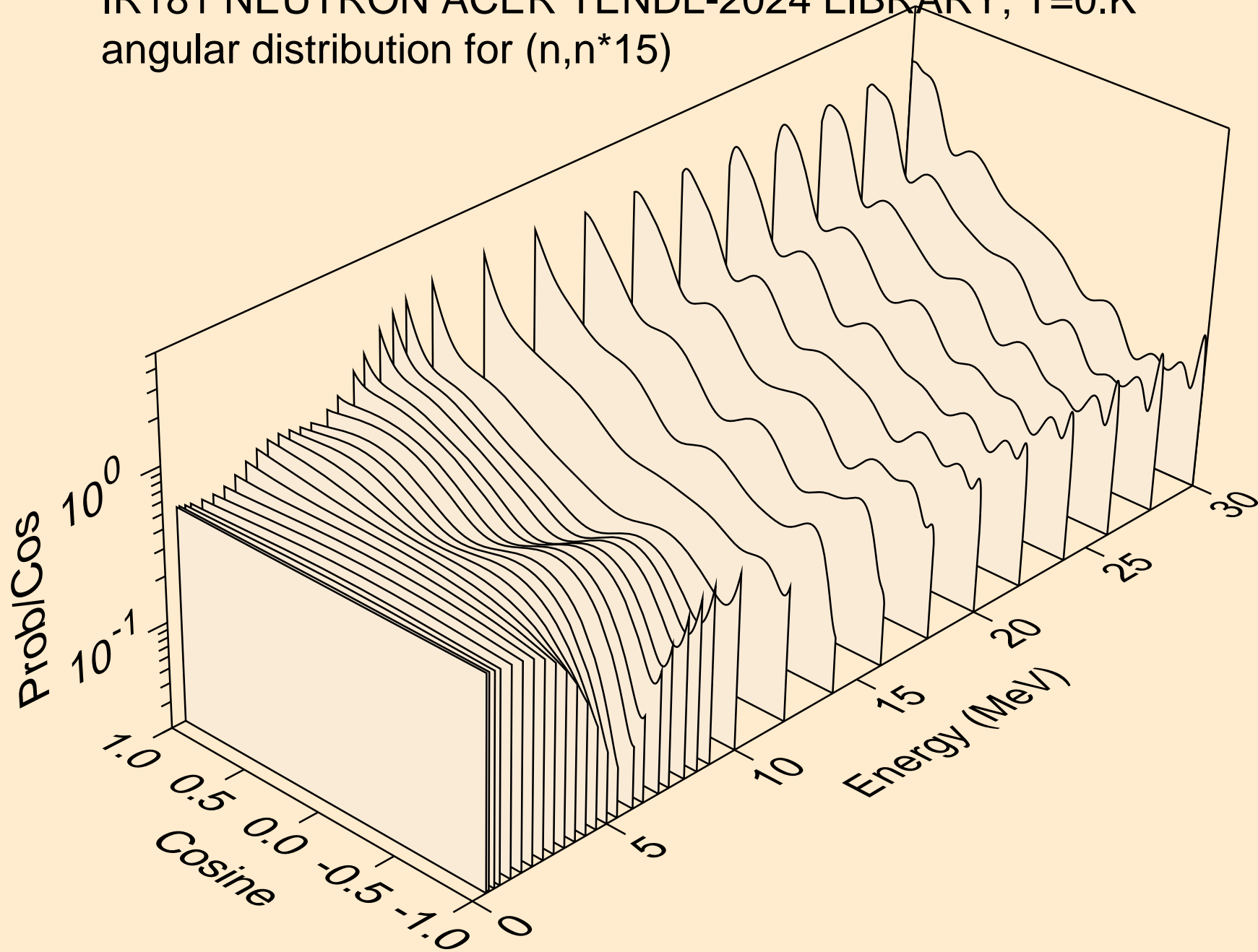
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angular distribution for (n,n\*13)



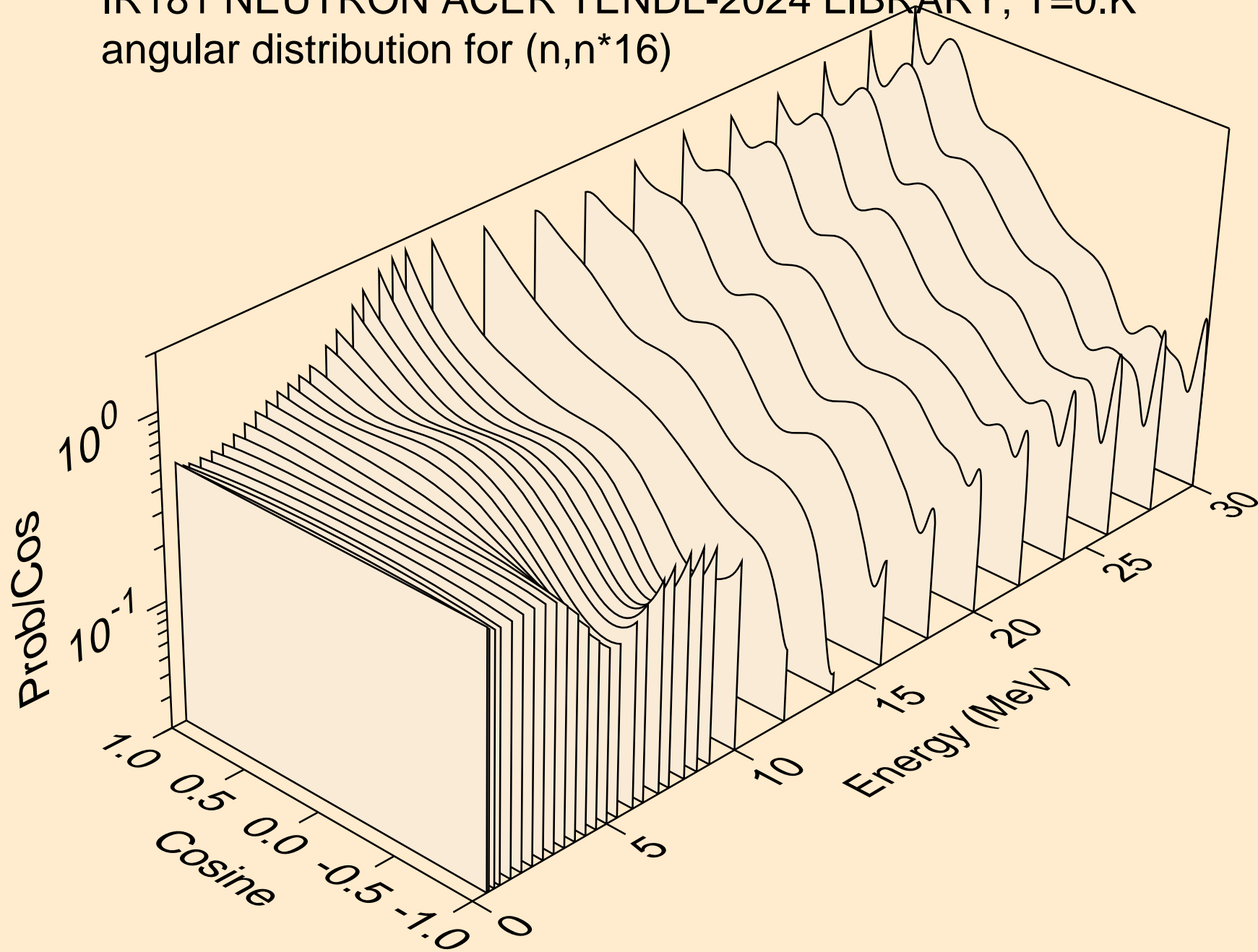
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angular distribution for (n,n\*14)



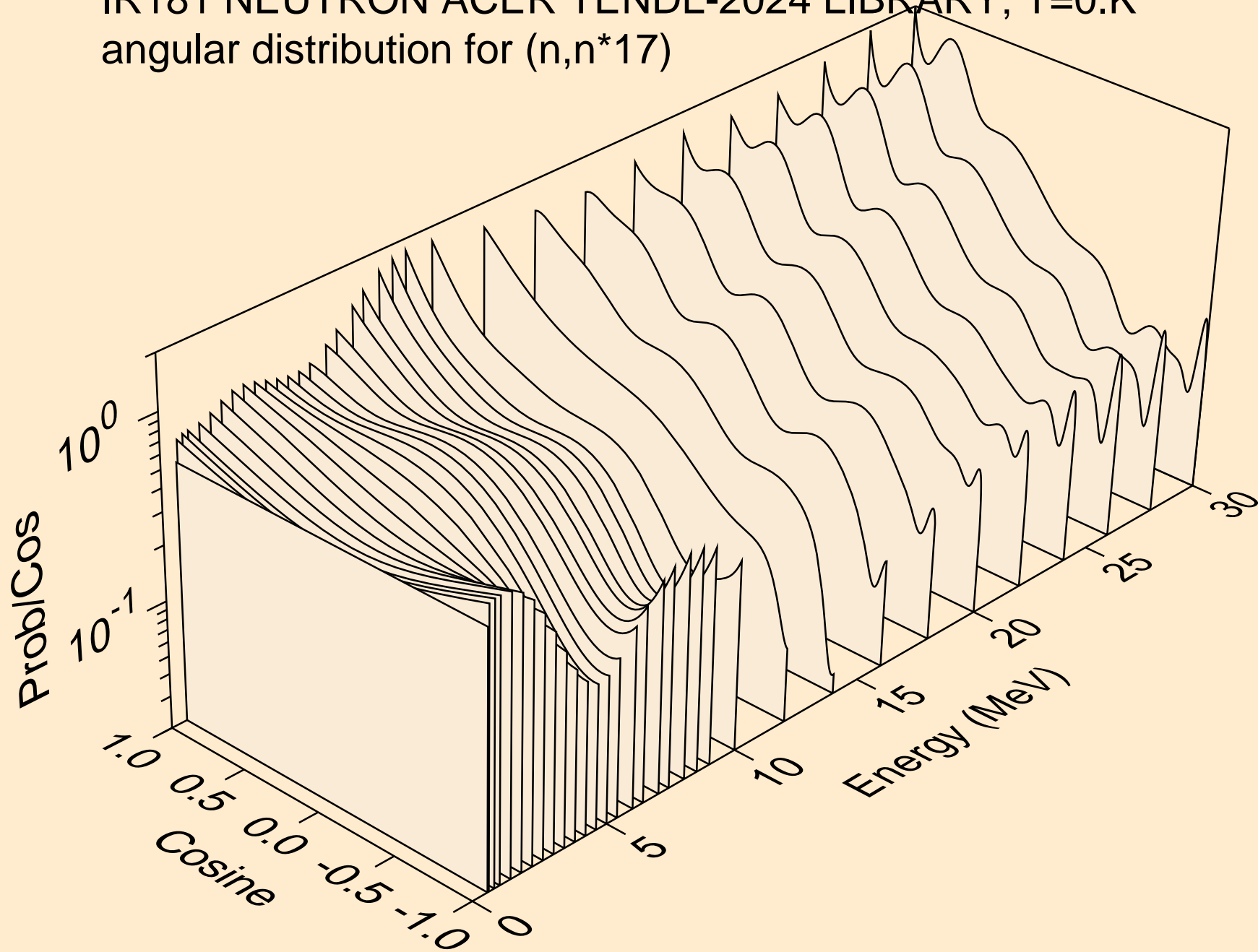
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angular distribution for (n,n\*15)



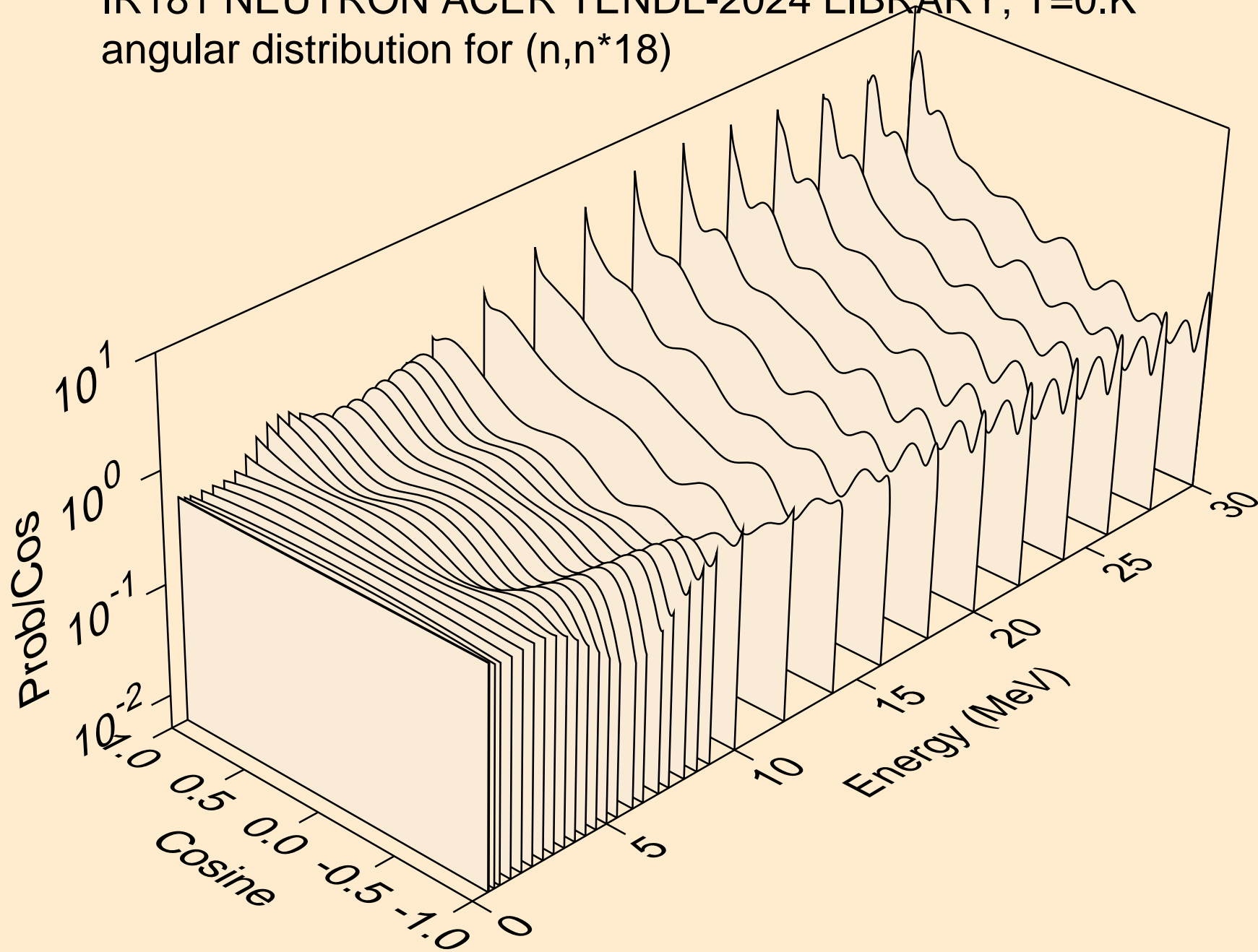
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angular distribution for (n,n\*16)



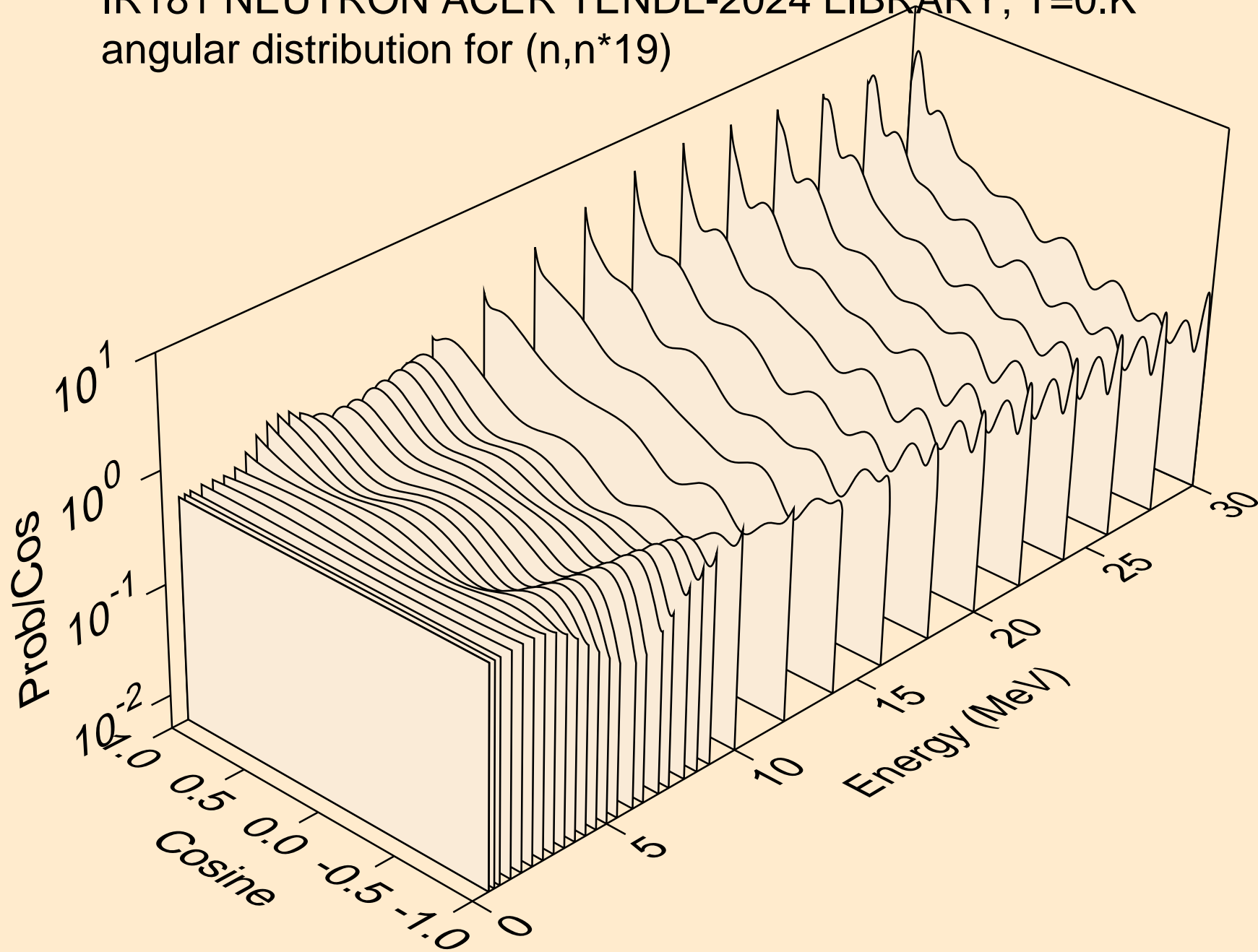
IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*17)



IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*18)

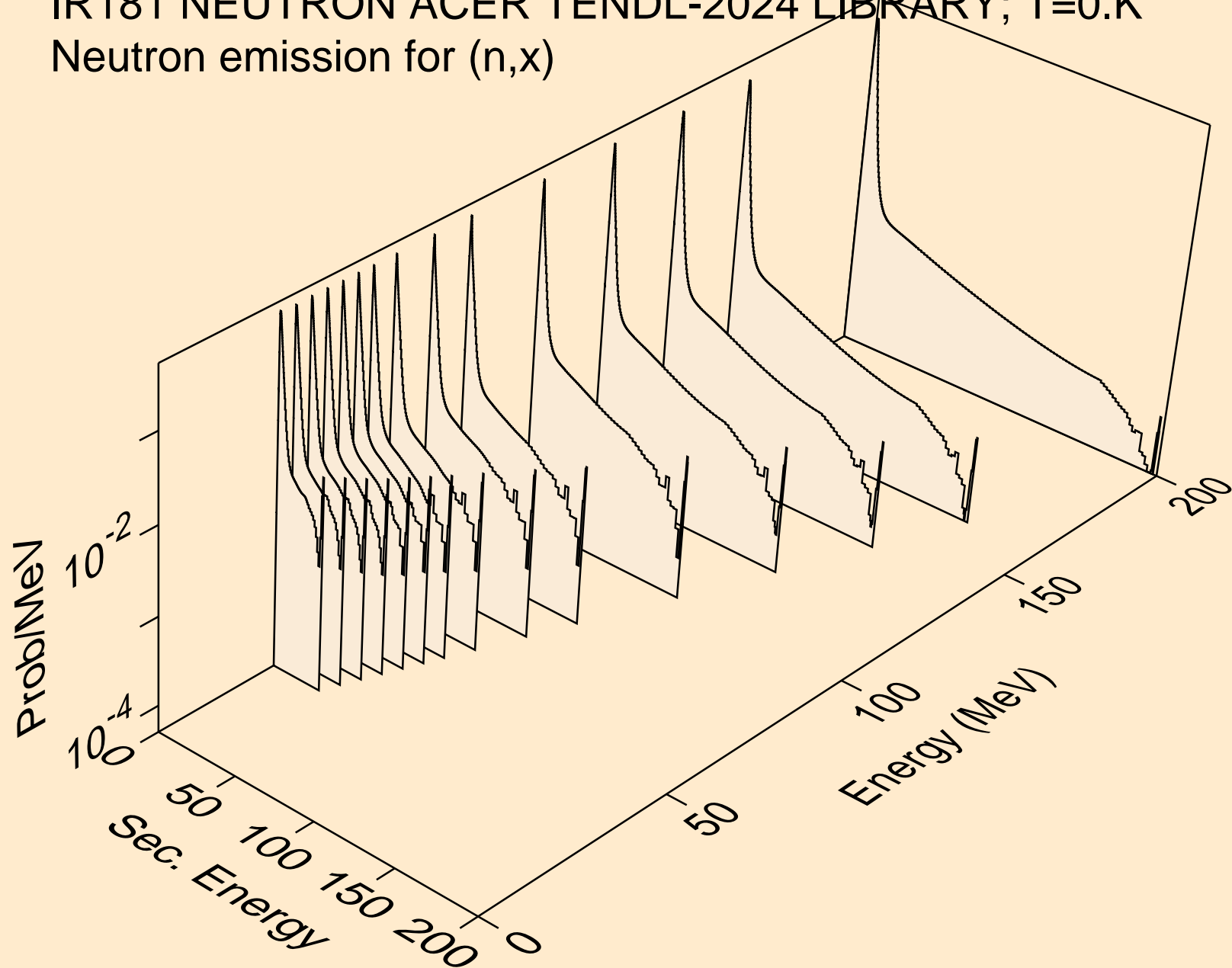


IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*19)

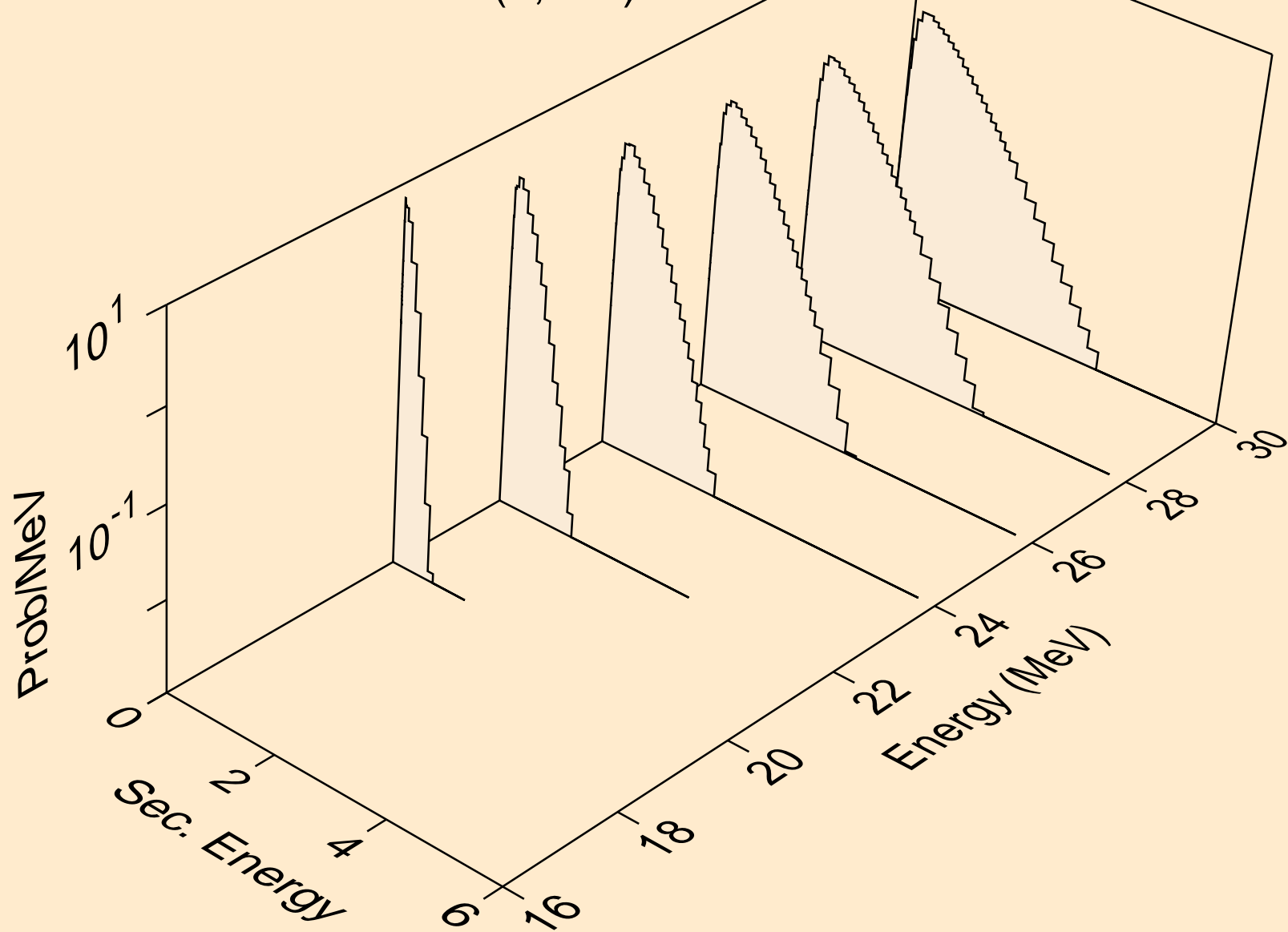




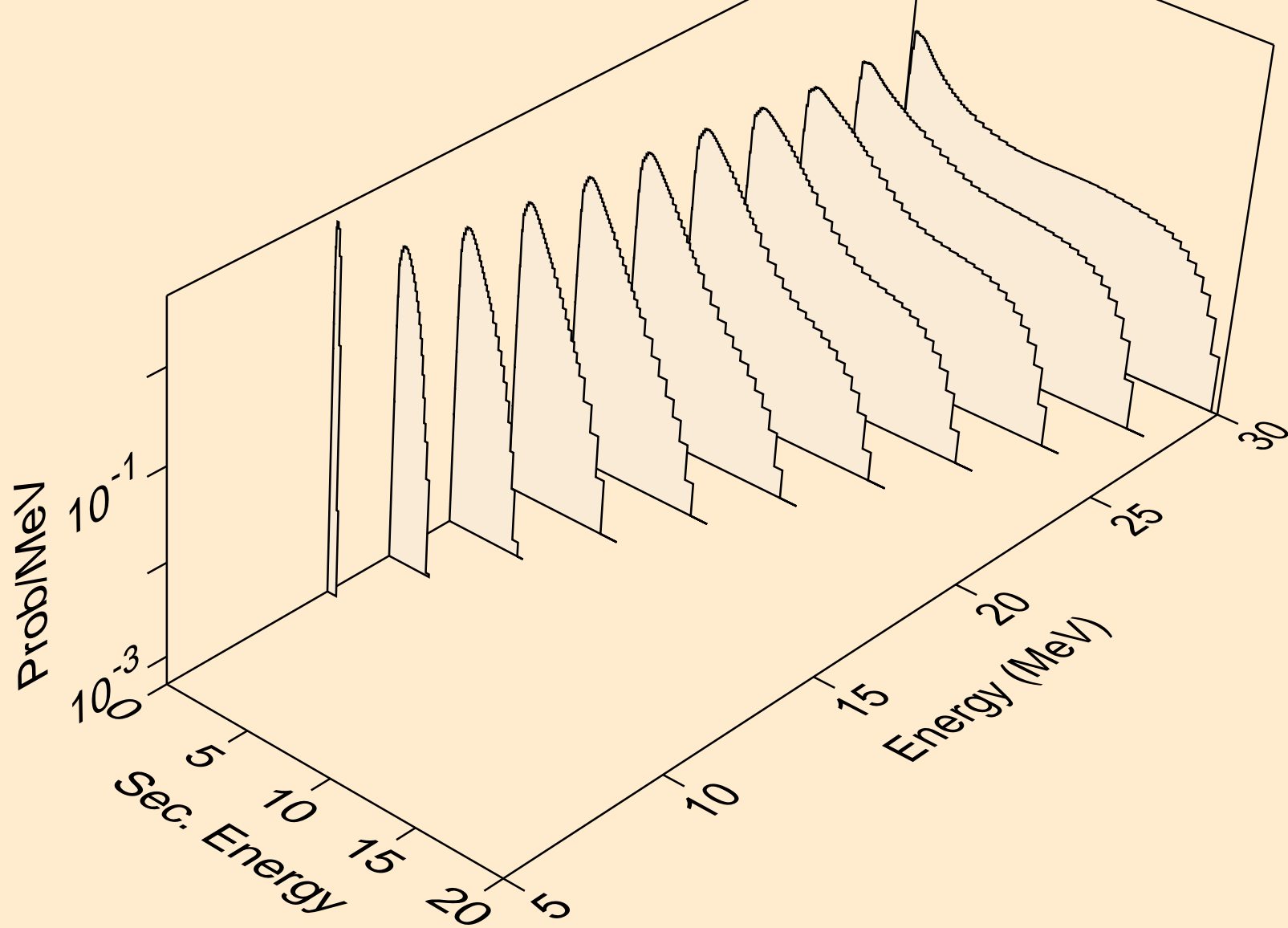
IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,x)



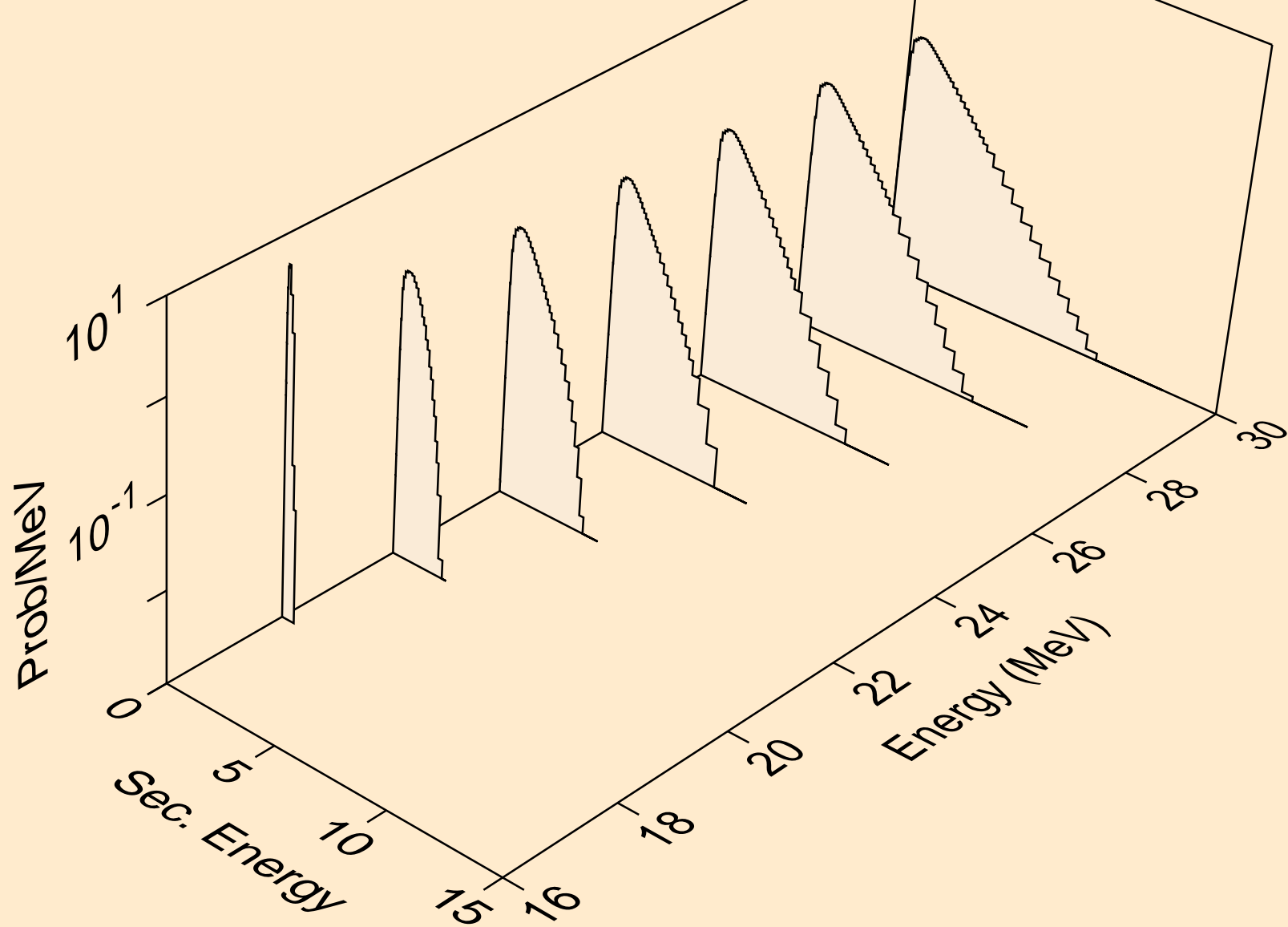
IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



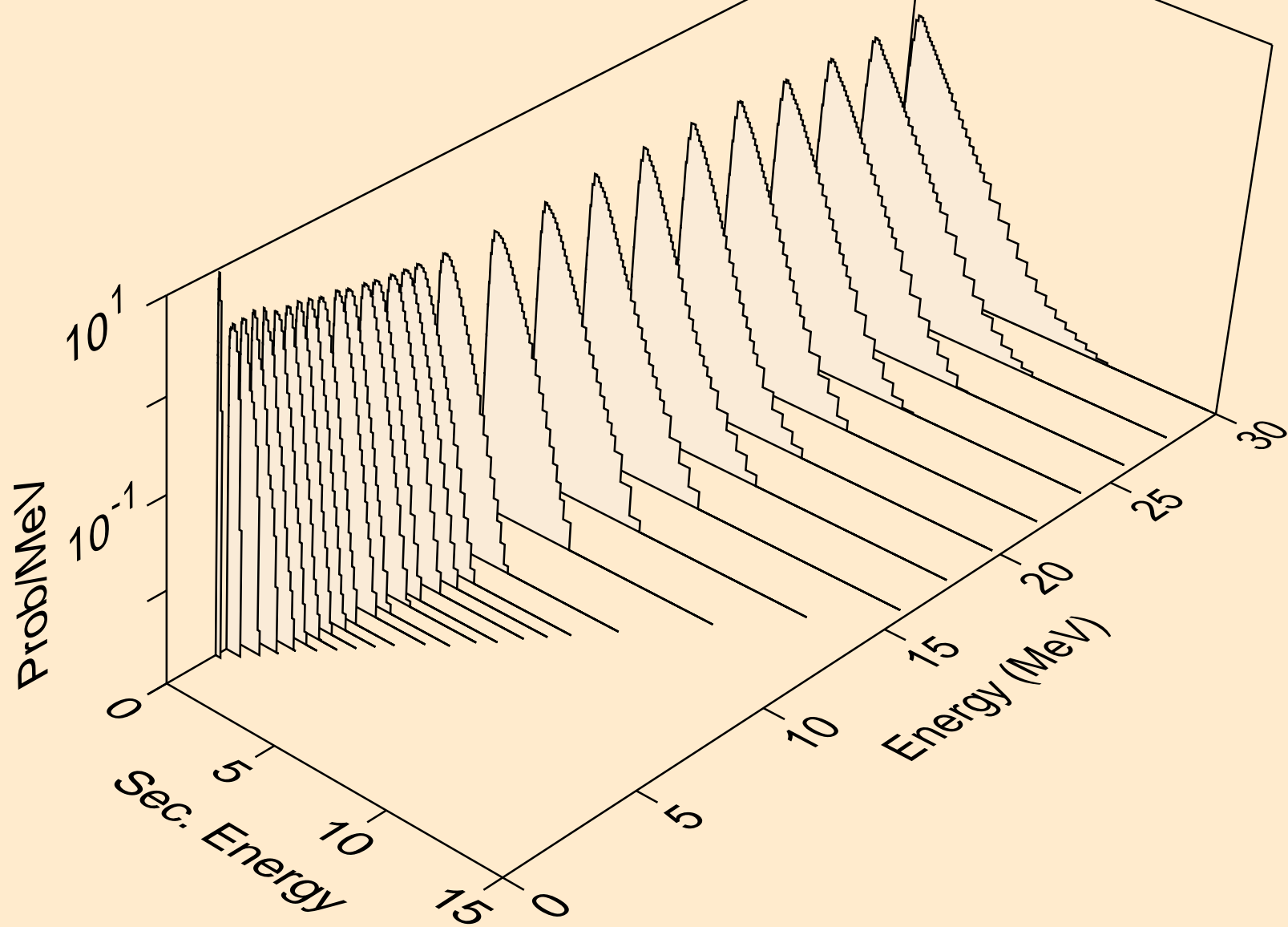
IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)



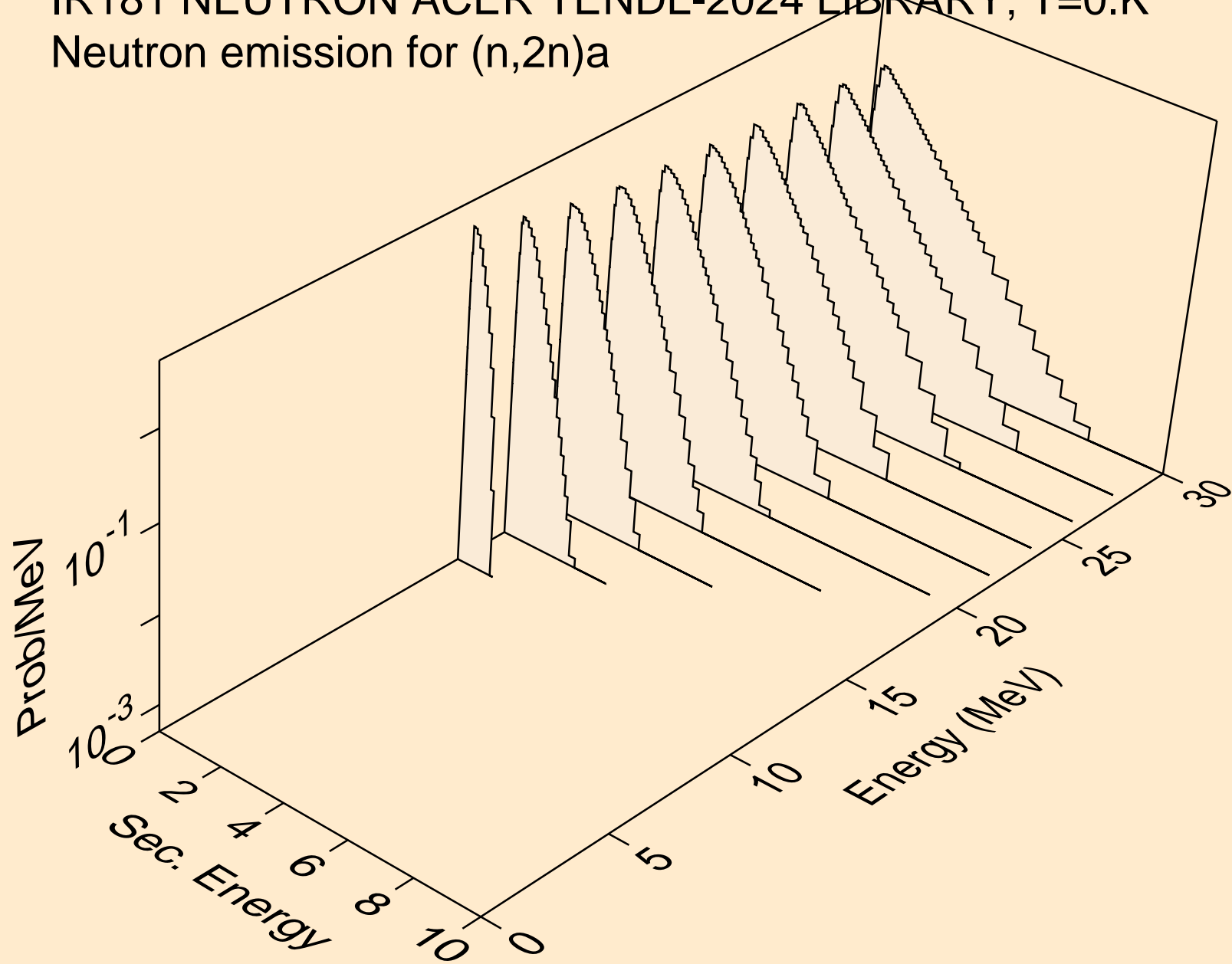
IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)



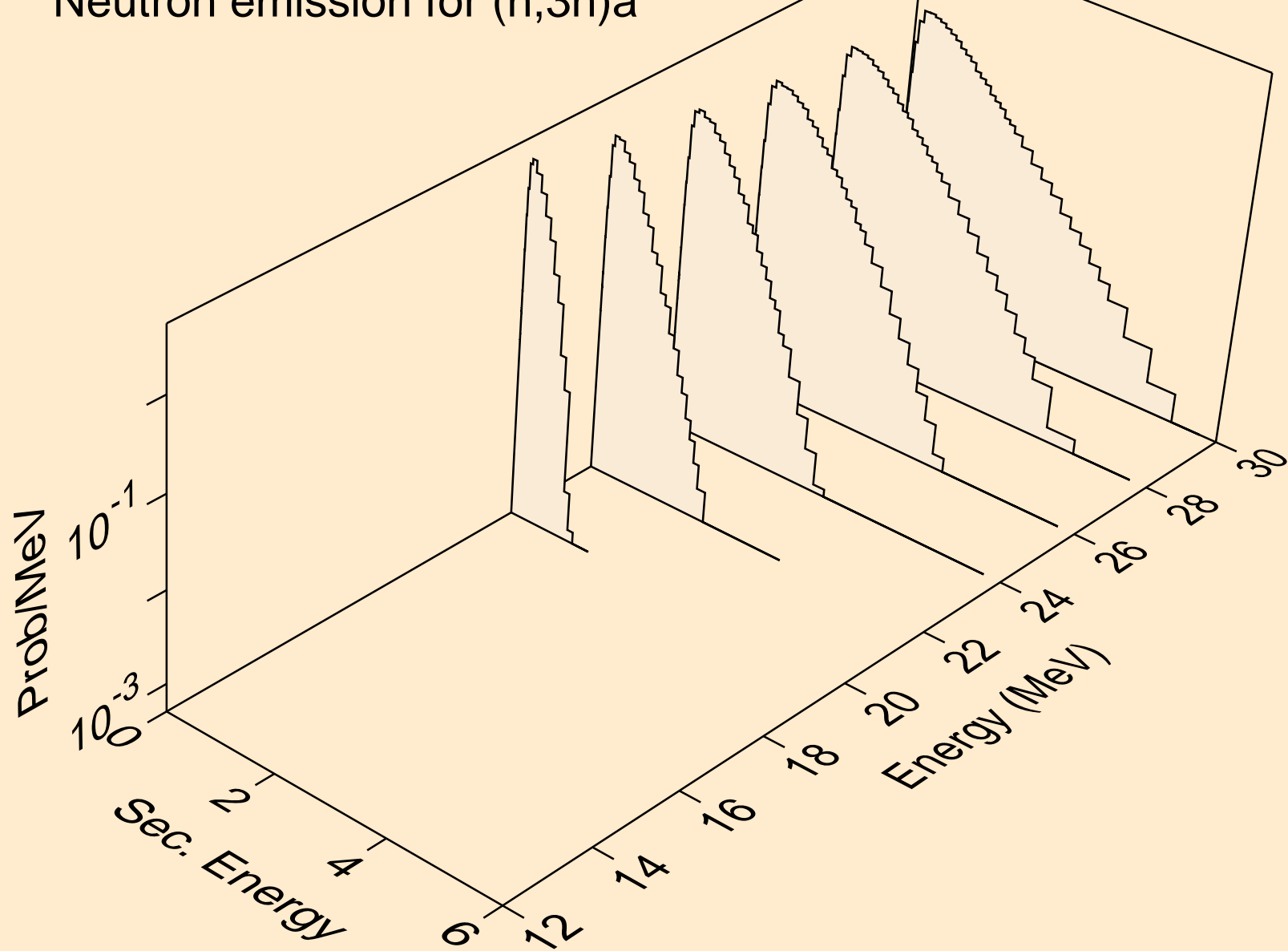
IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



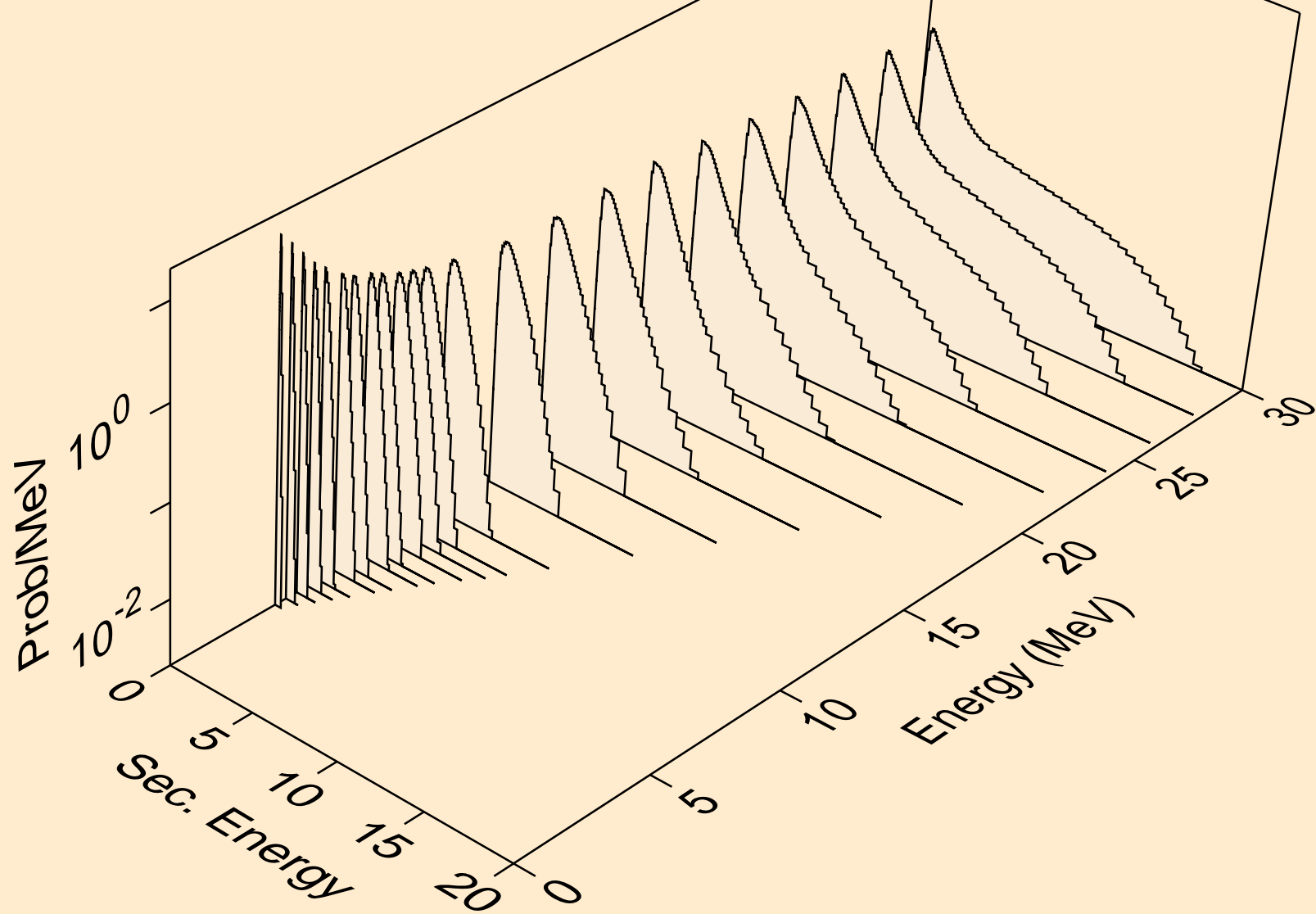
IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)a



IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)a

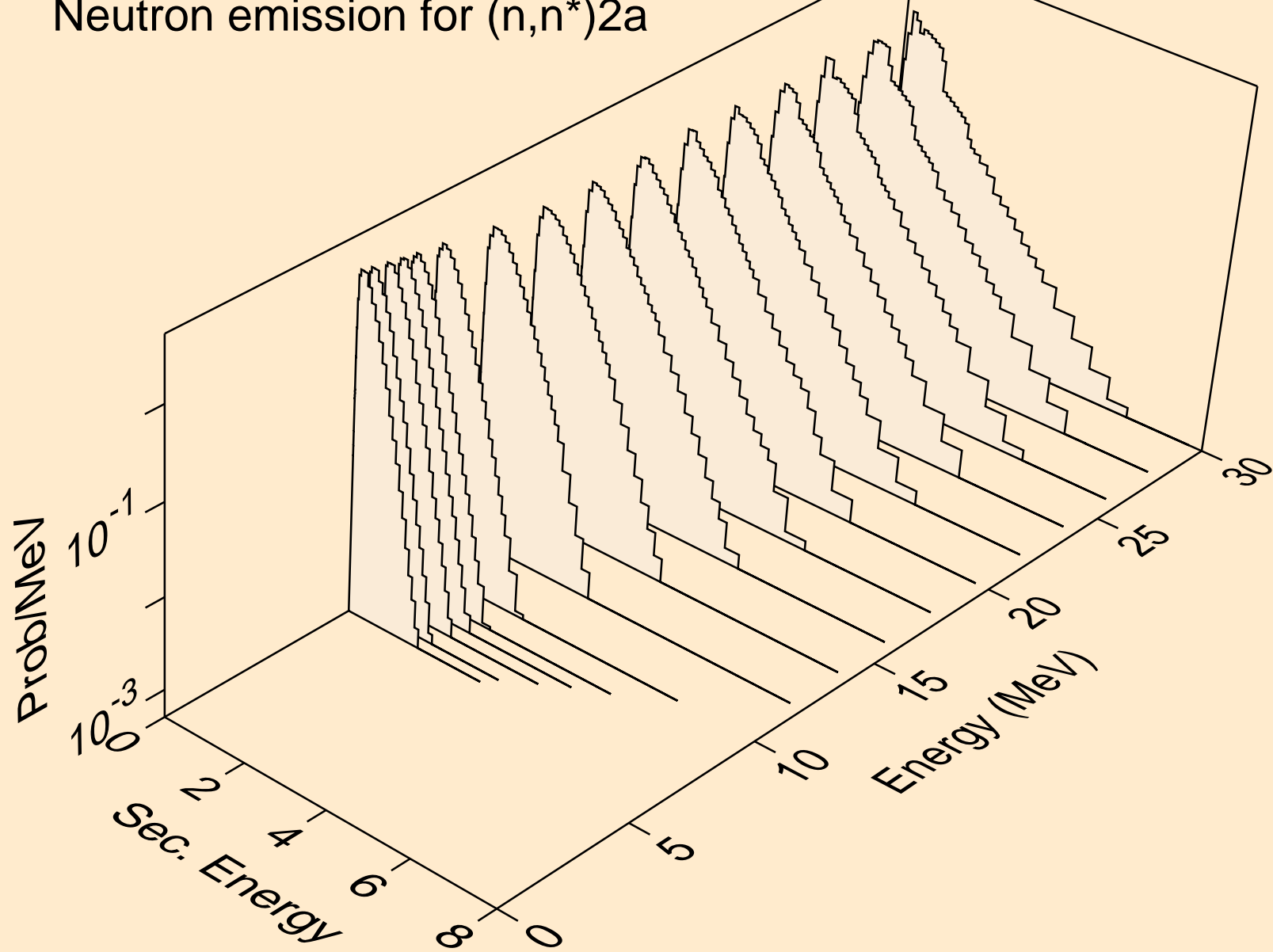


IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p

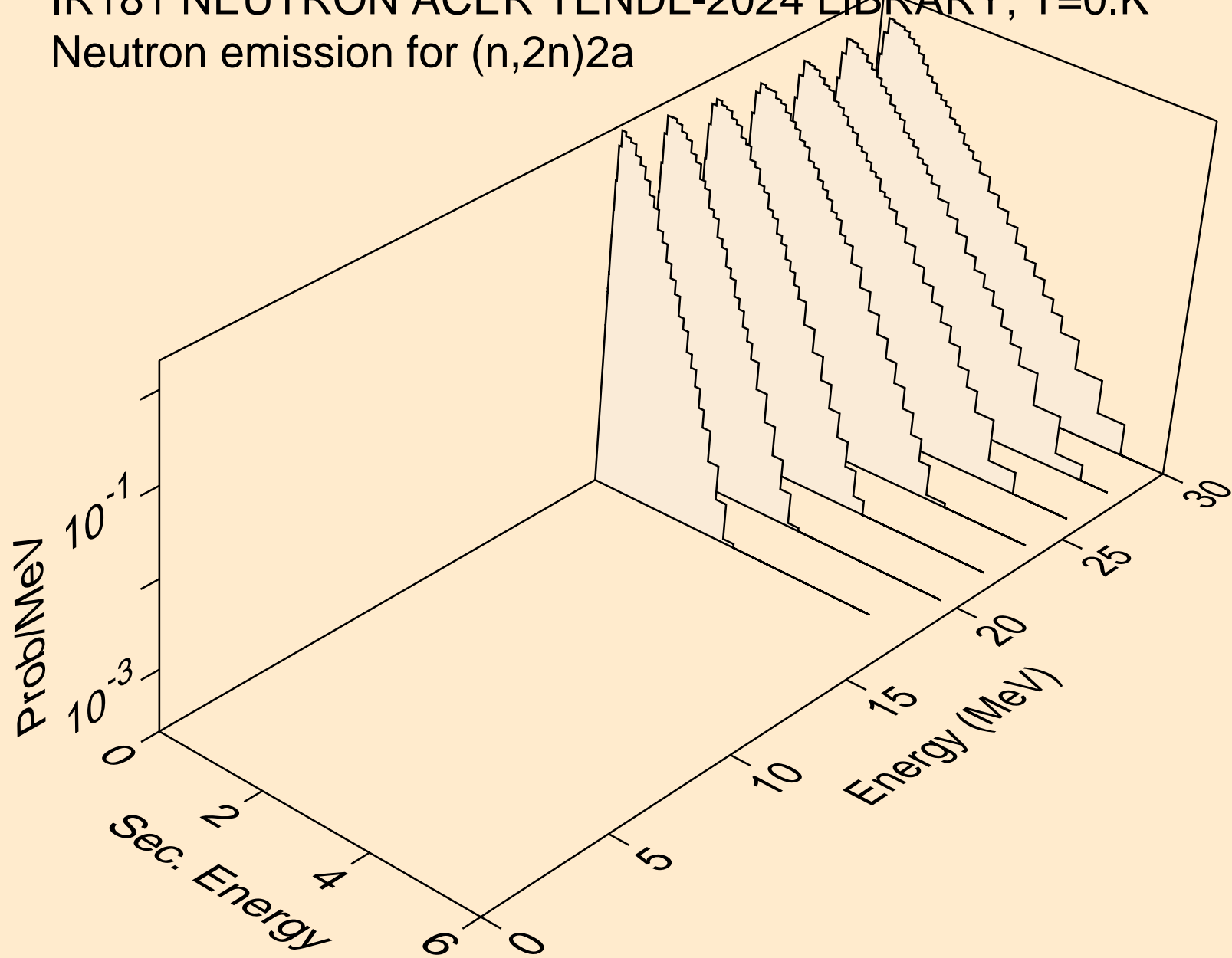




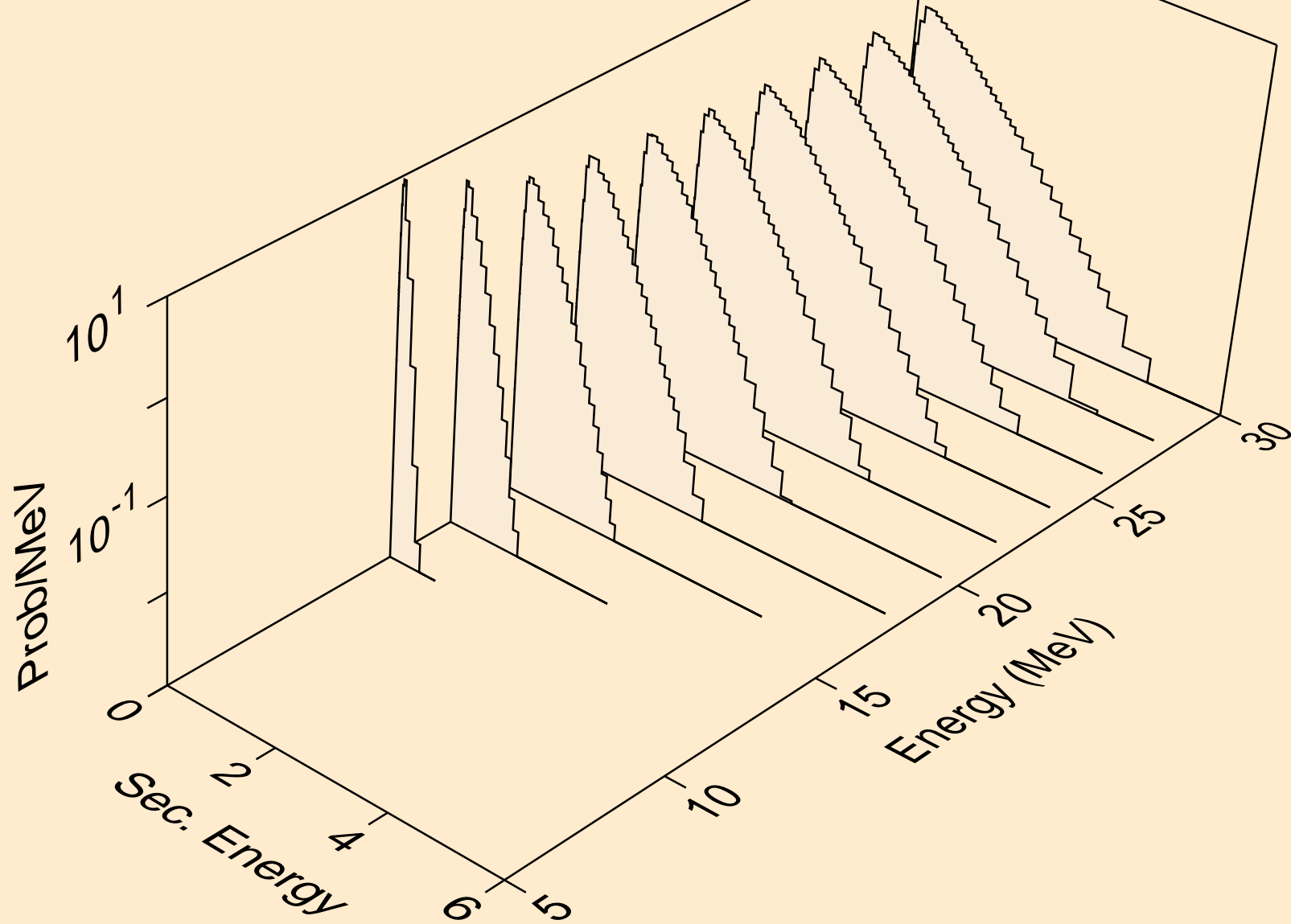
IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)2a



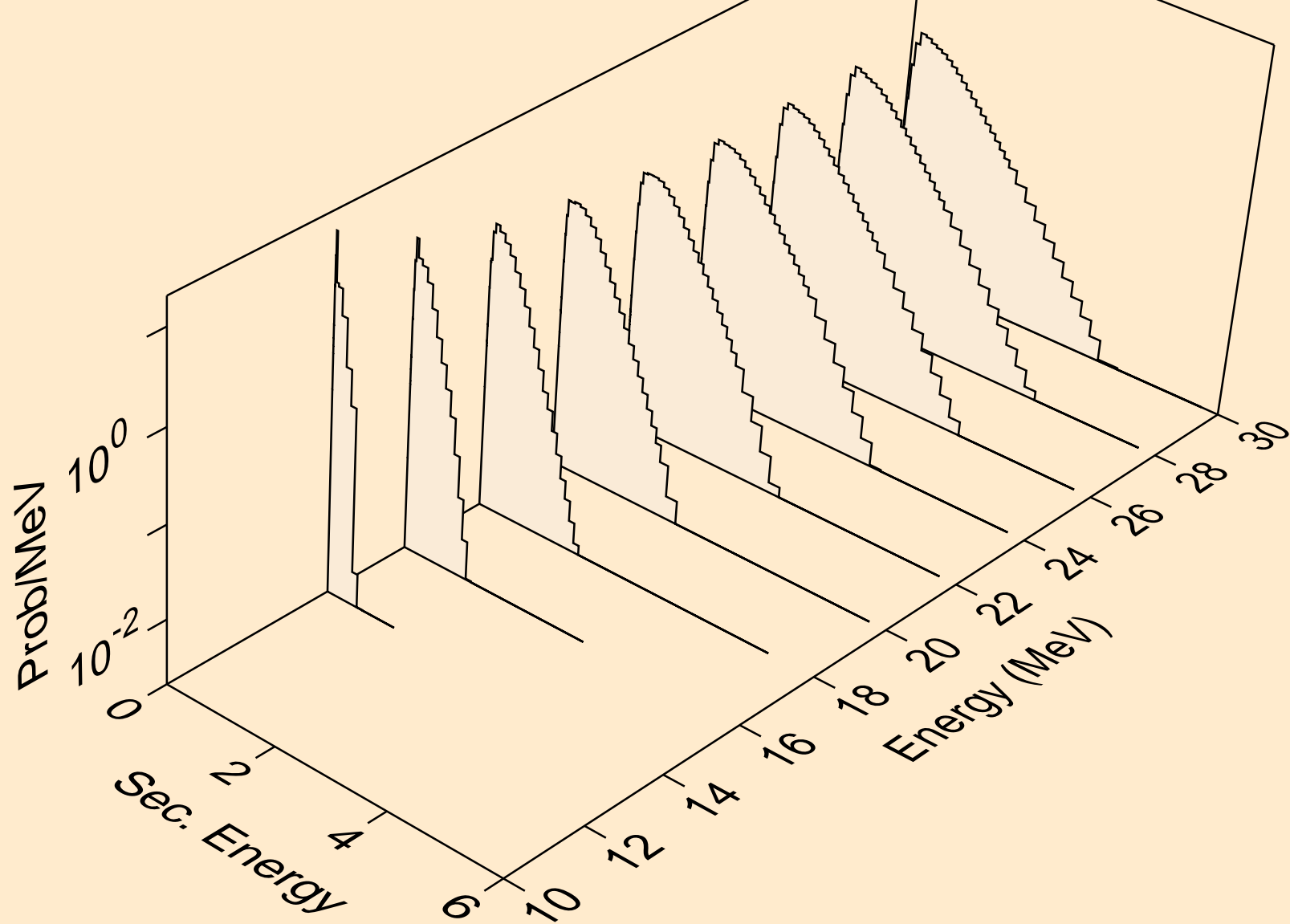
IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)2a



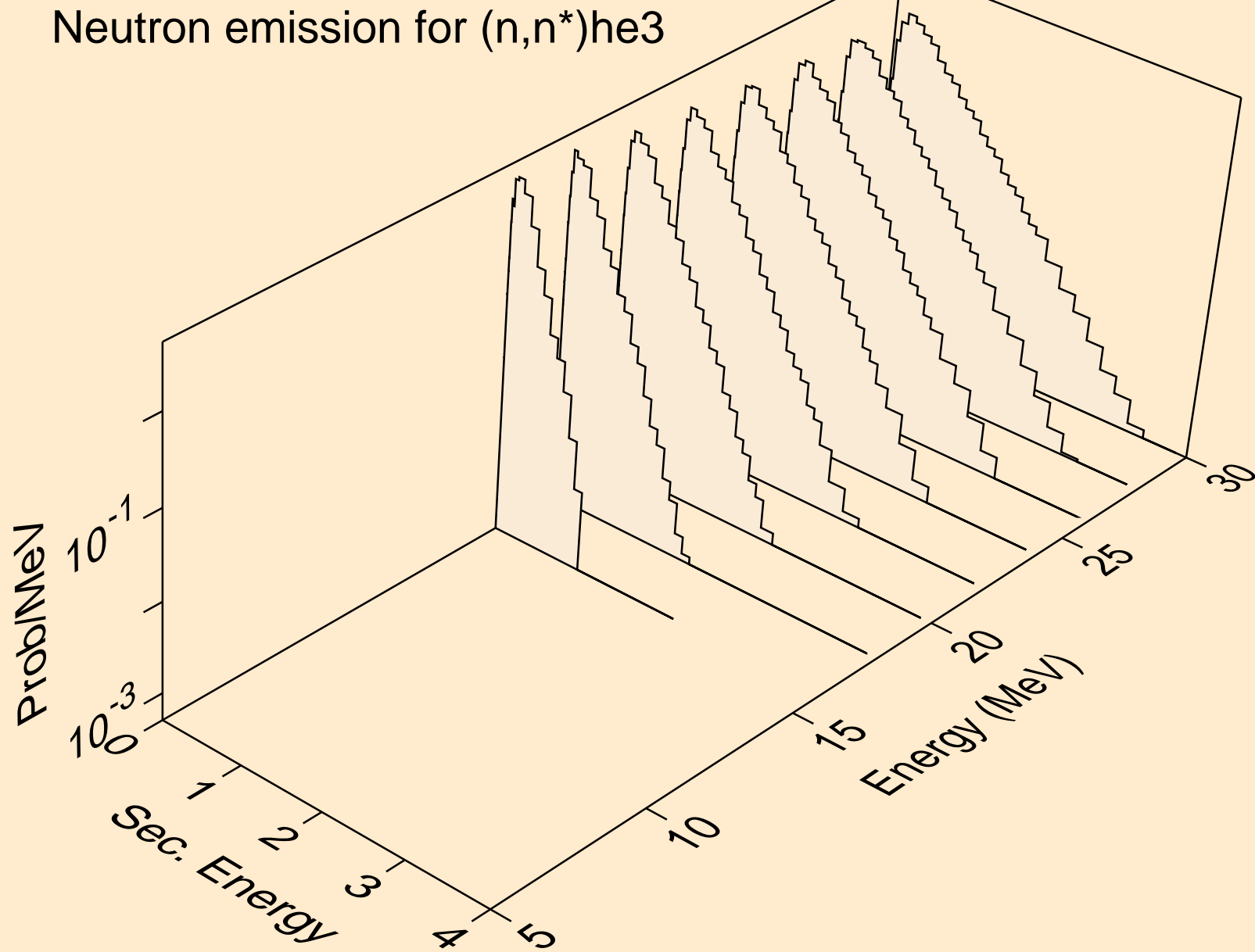
IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d



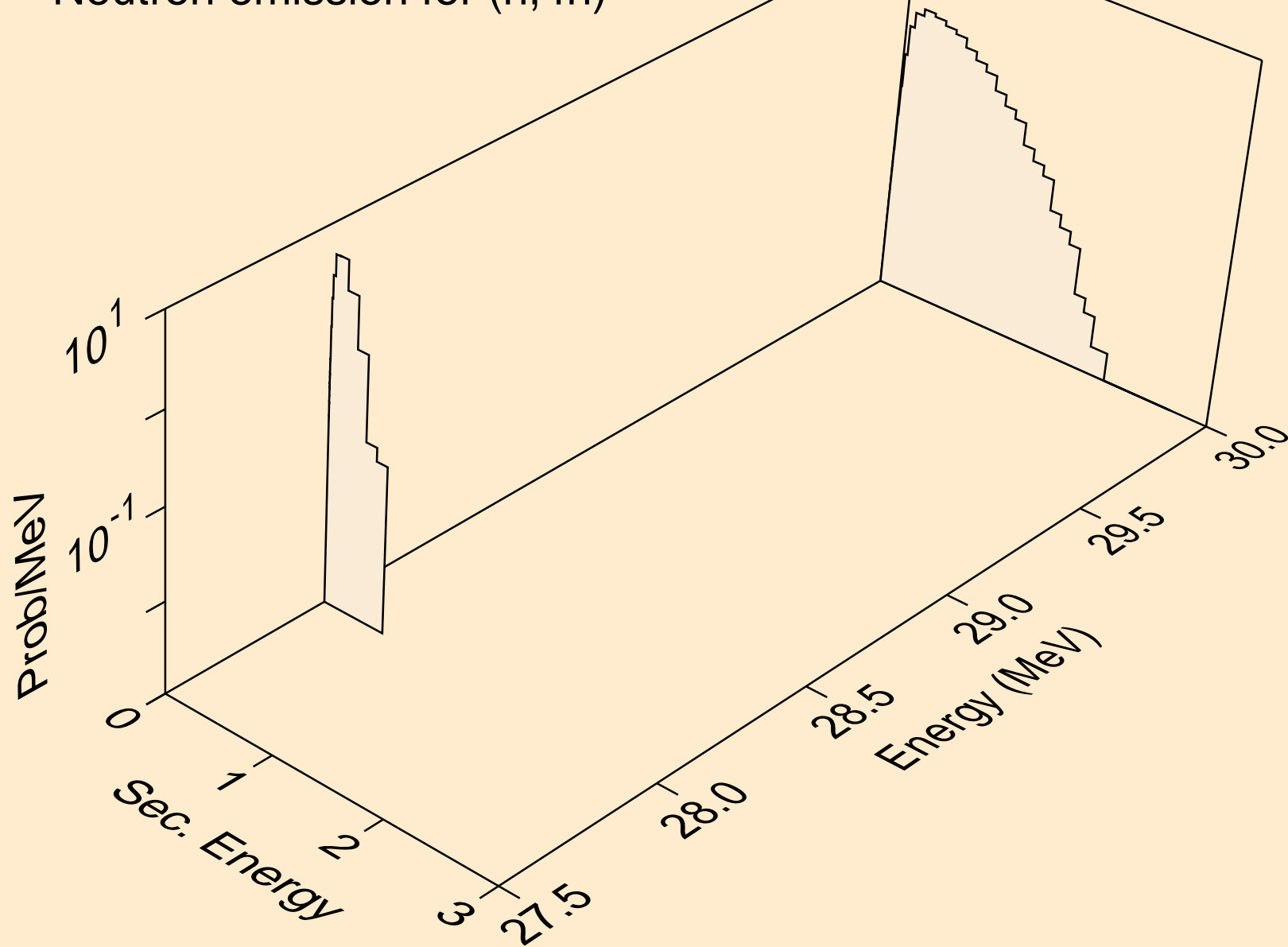
IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



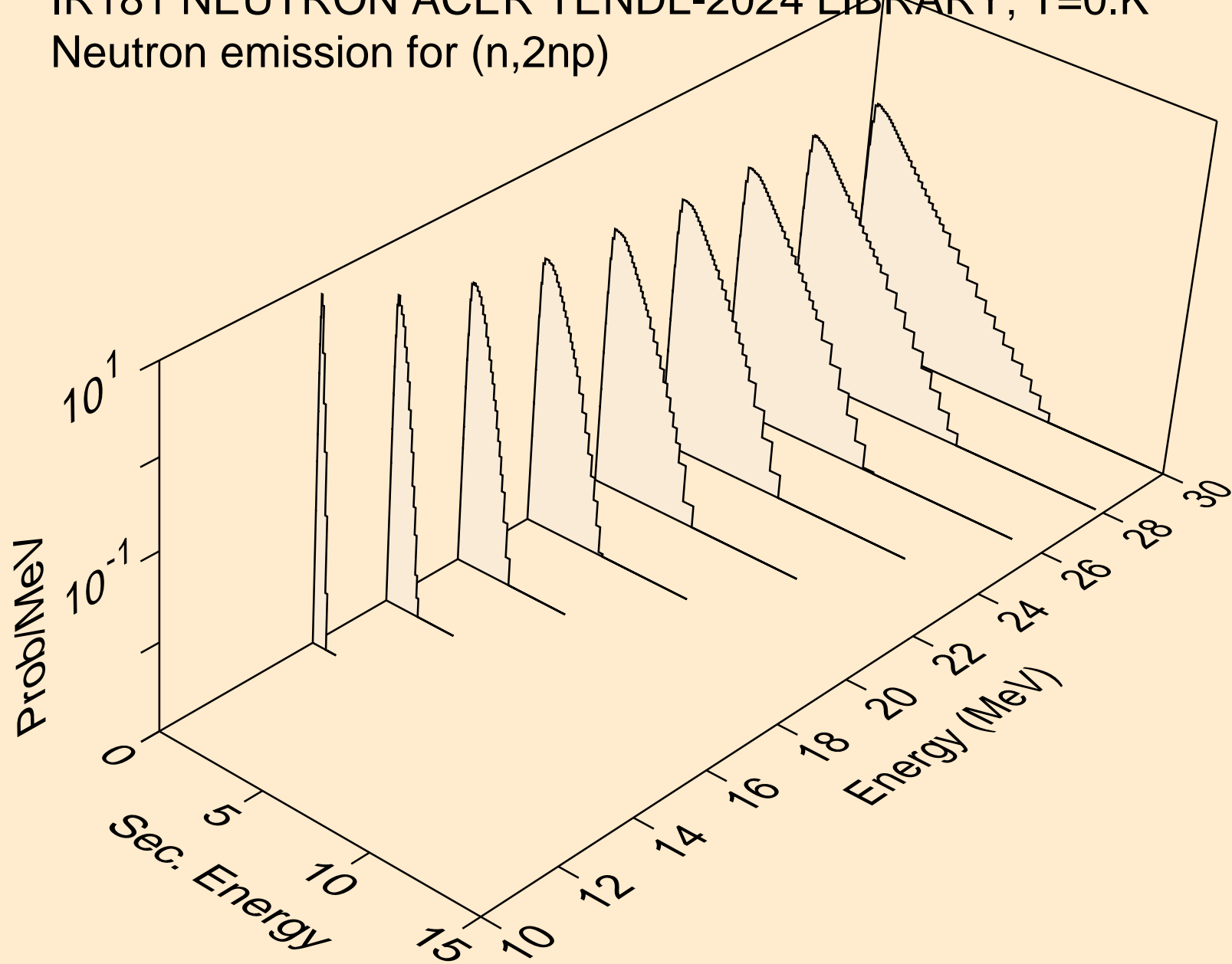
IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



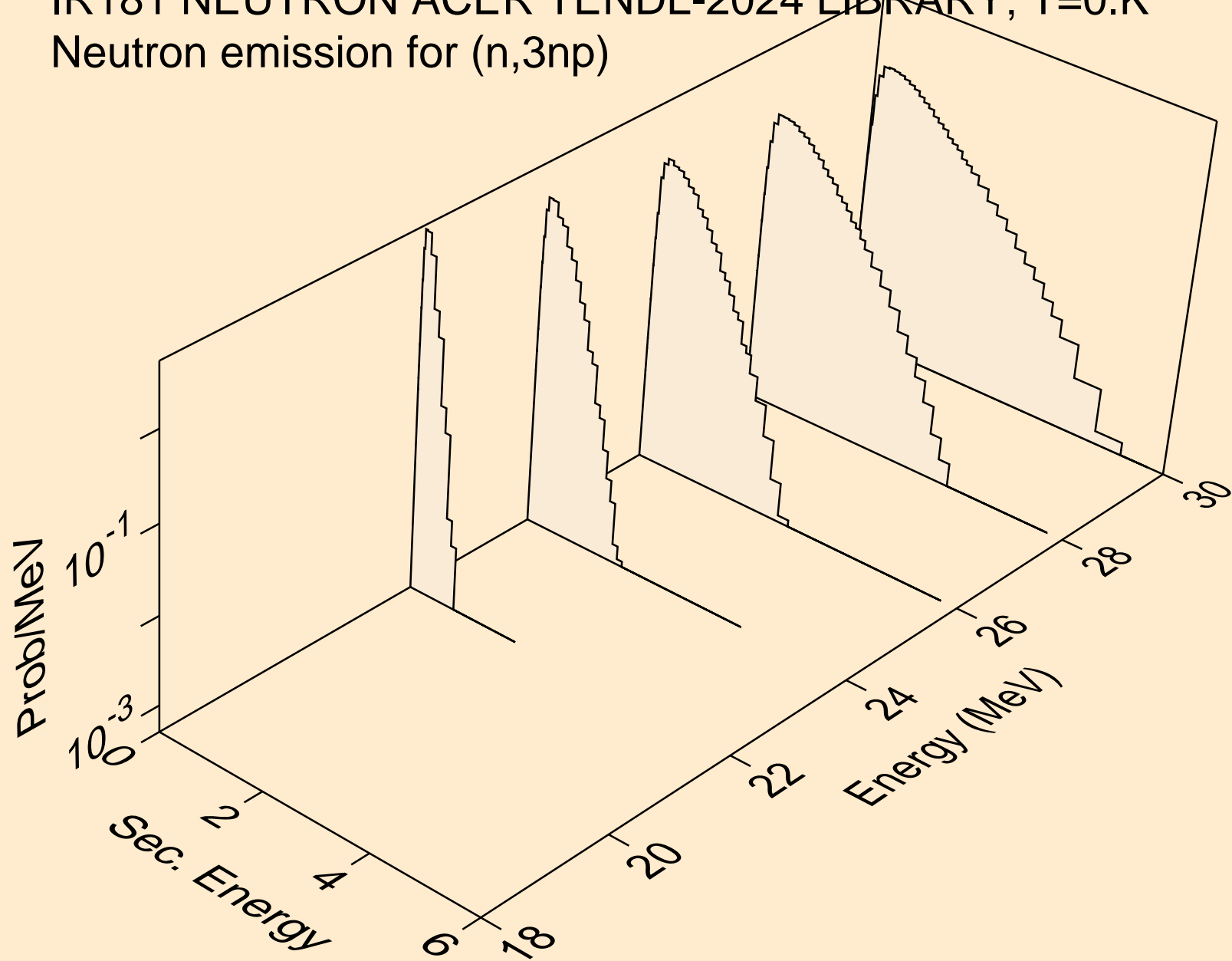
IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,4n)



IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2np)

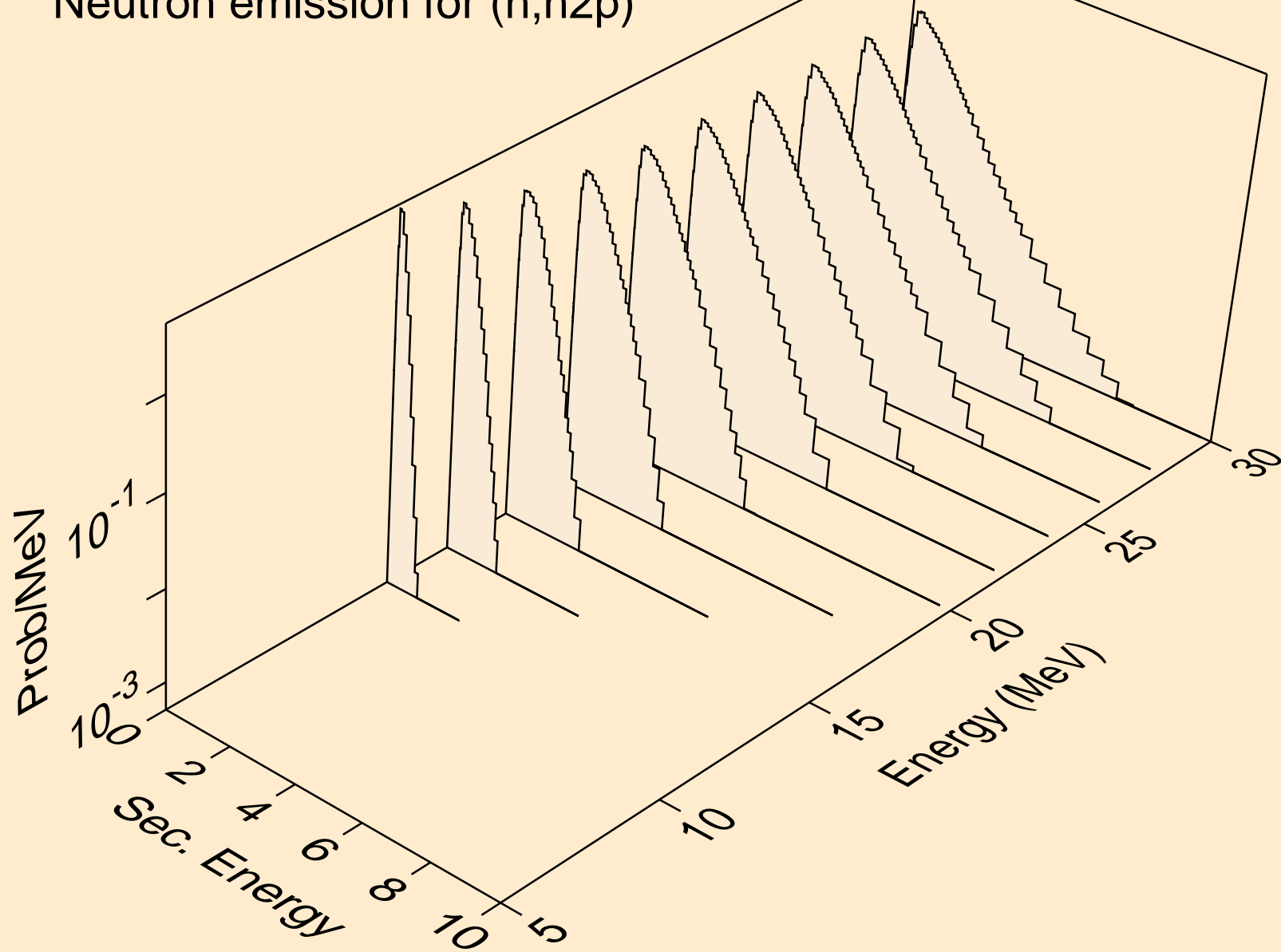


IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3np)

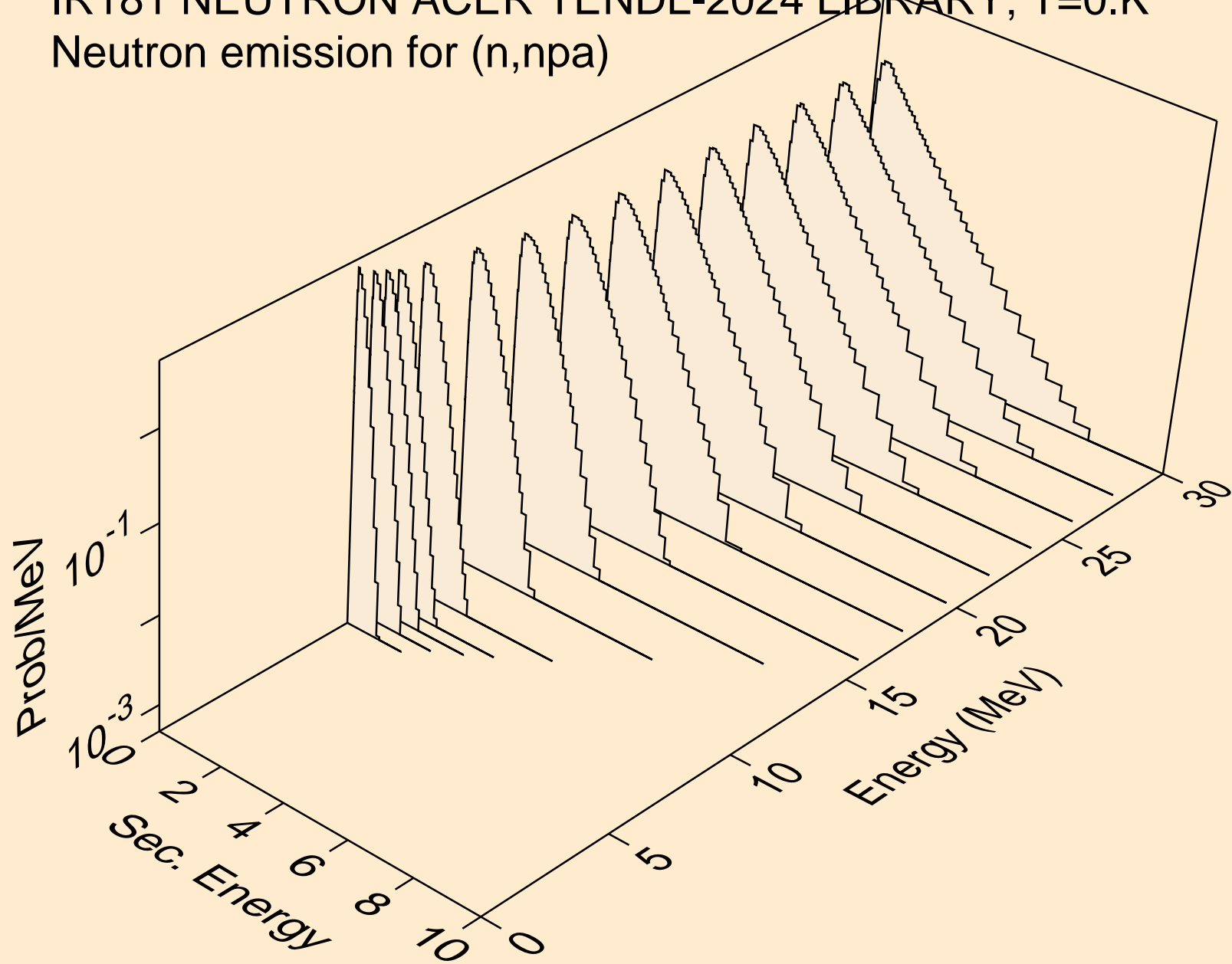




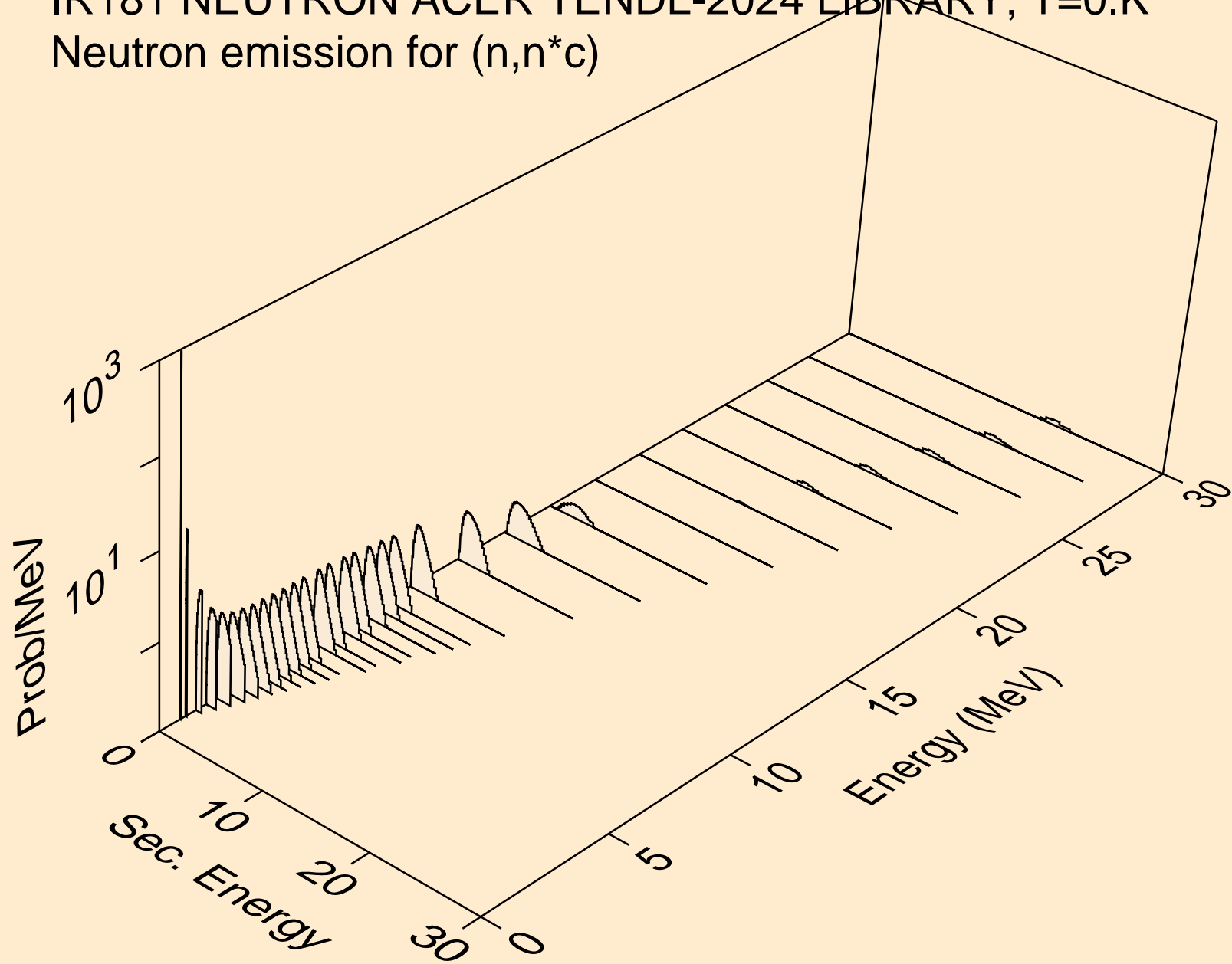
IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n2p)



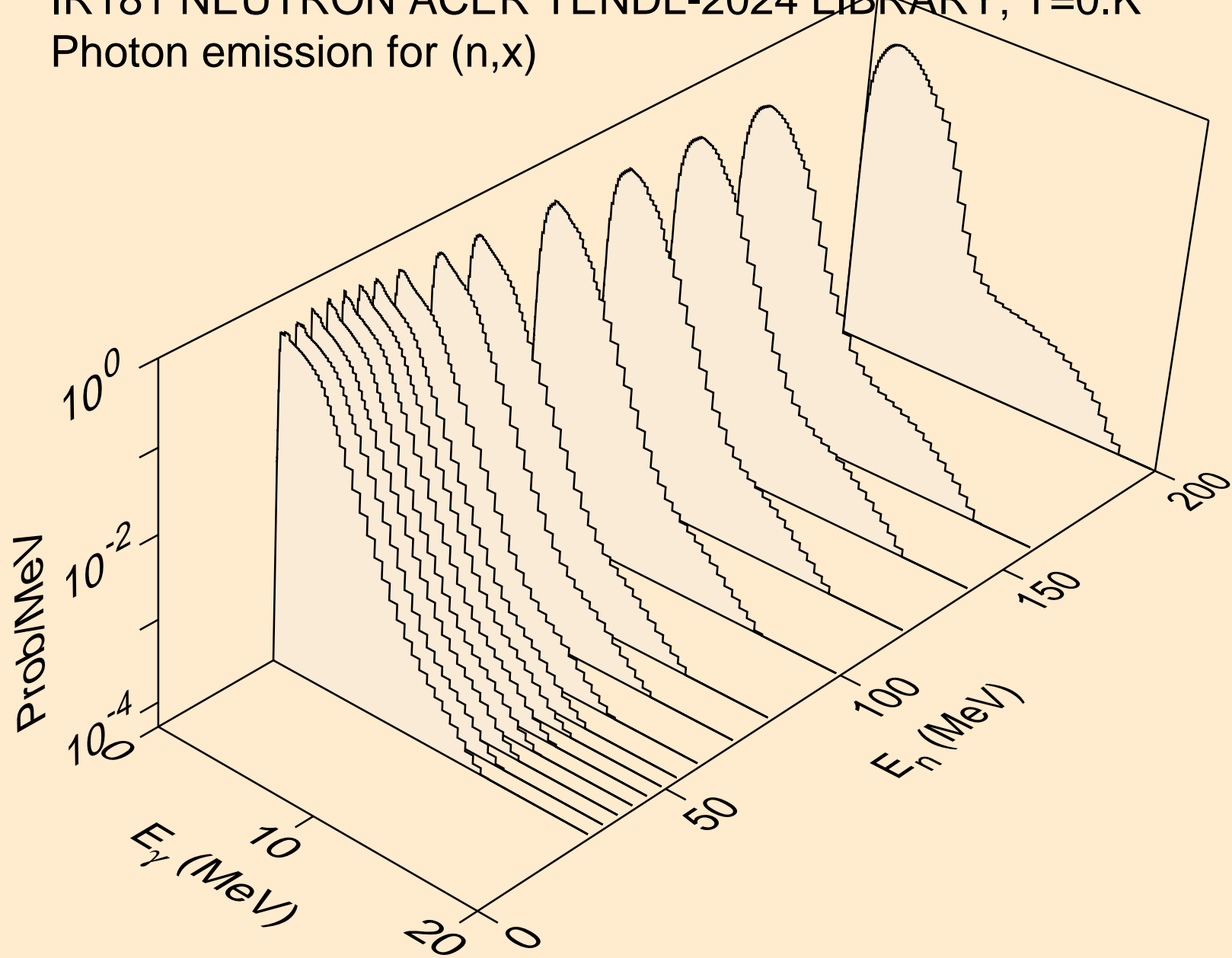
IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,npa)



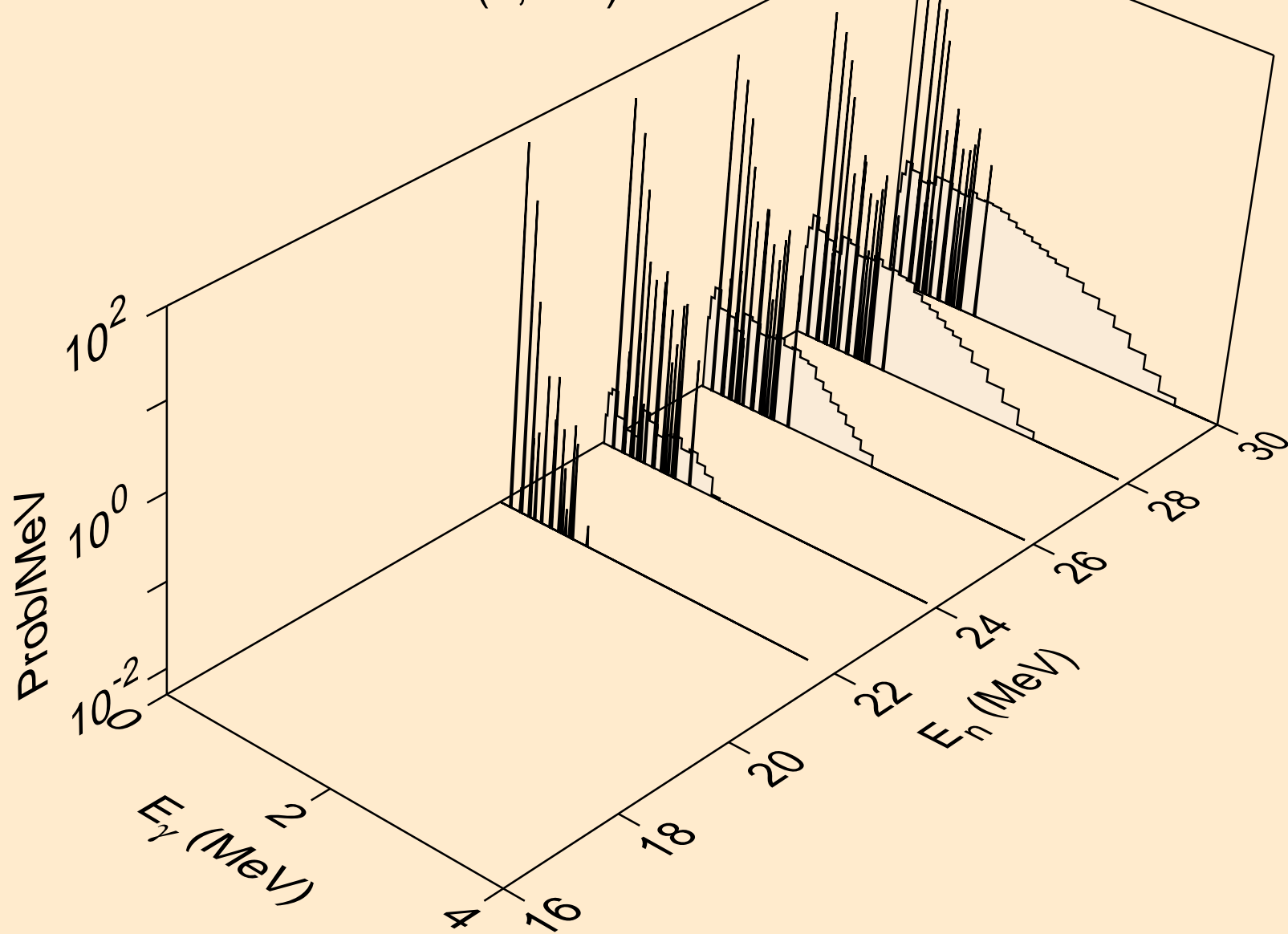
IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)



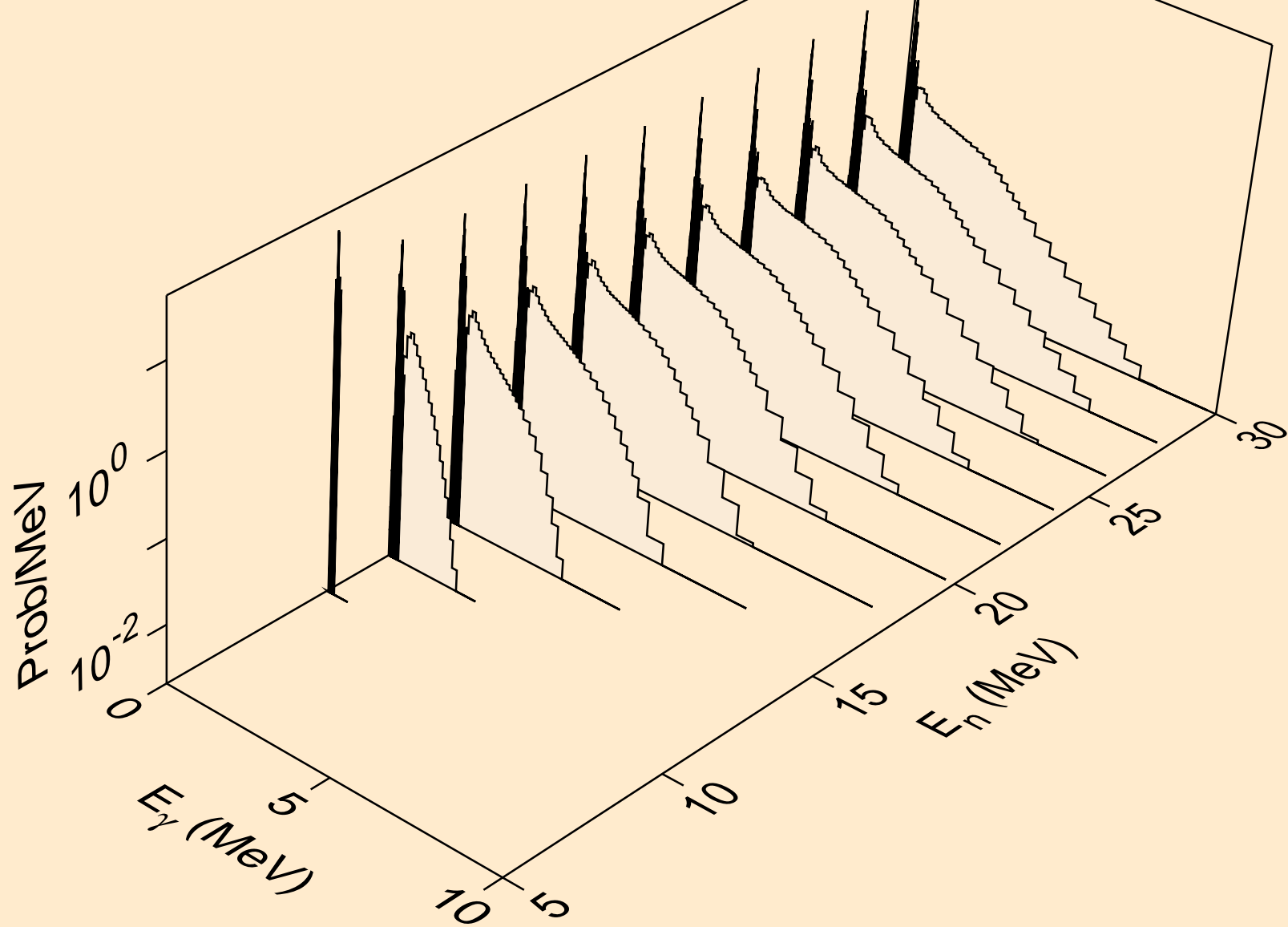
IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,x)



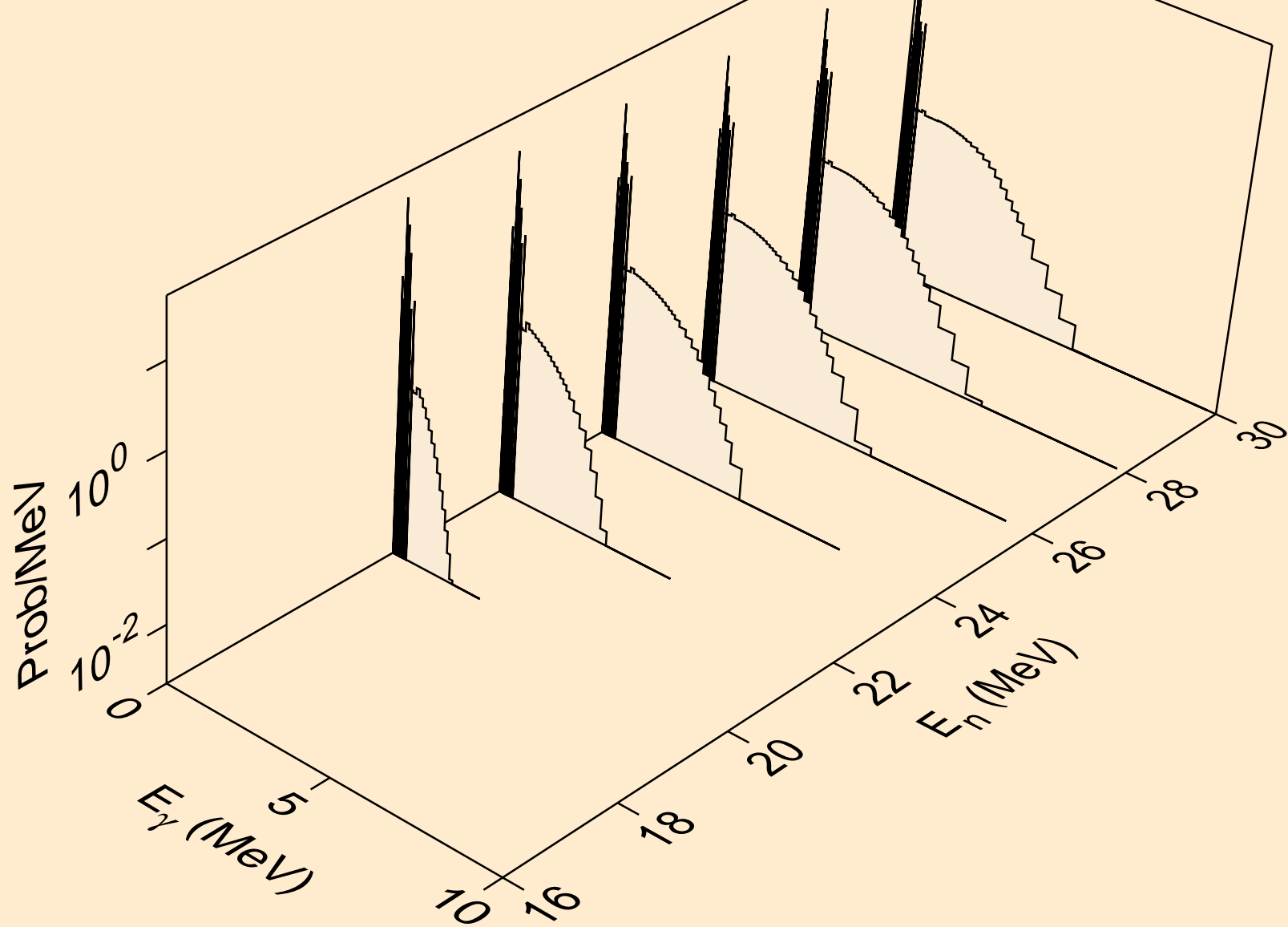
IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2nd)



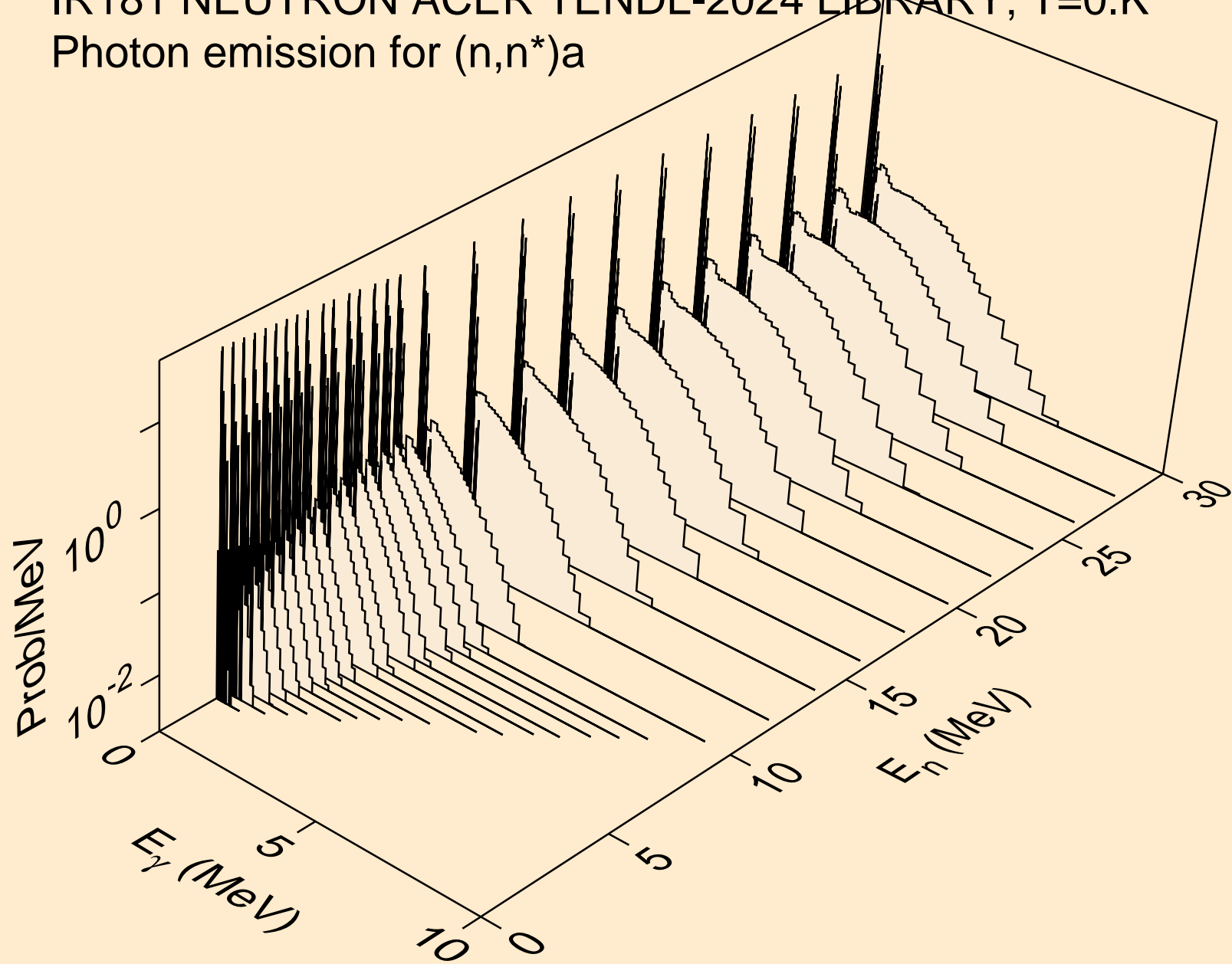
IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)



IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)

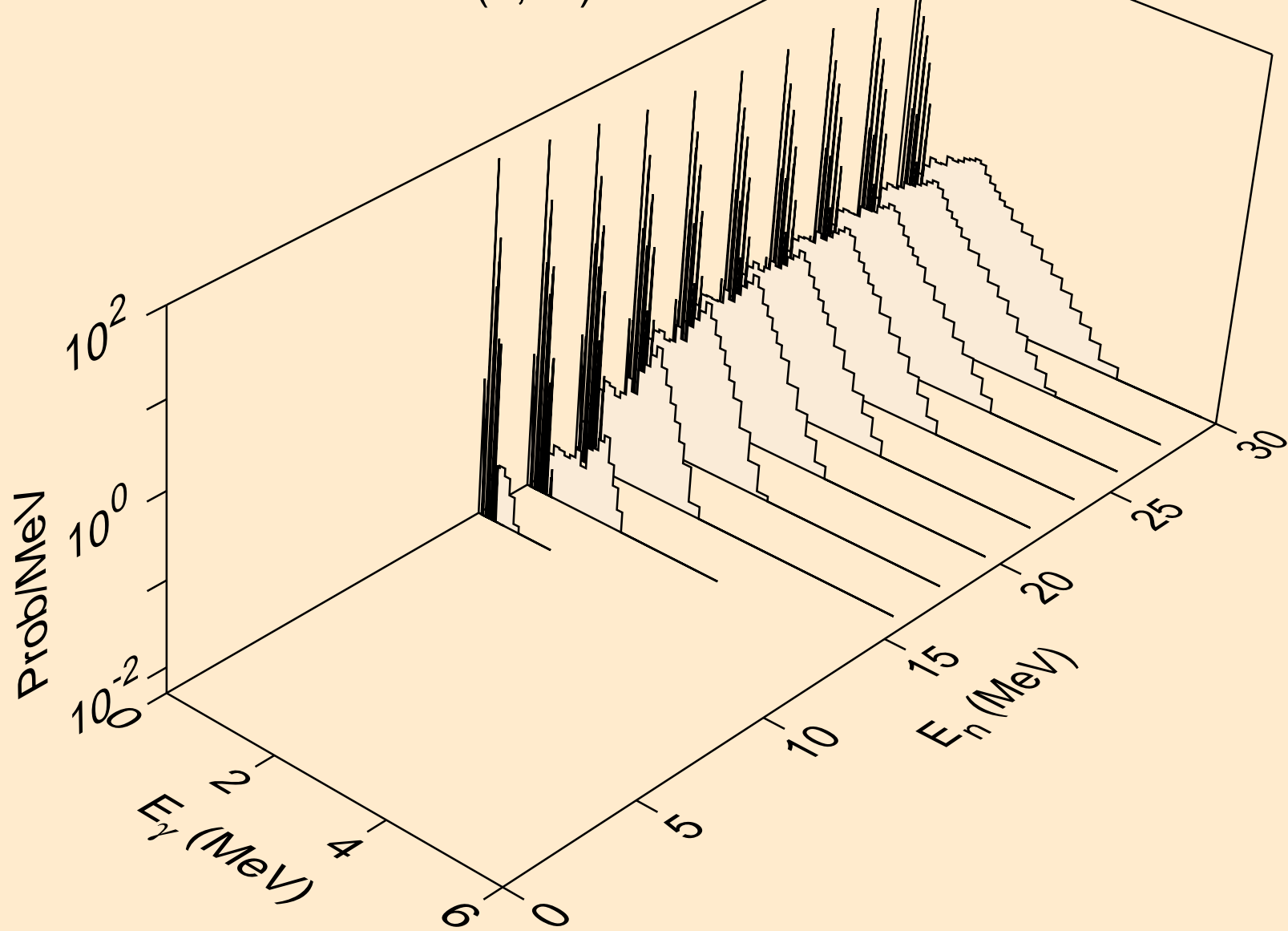


IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)a

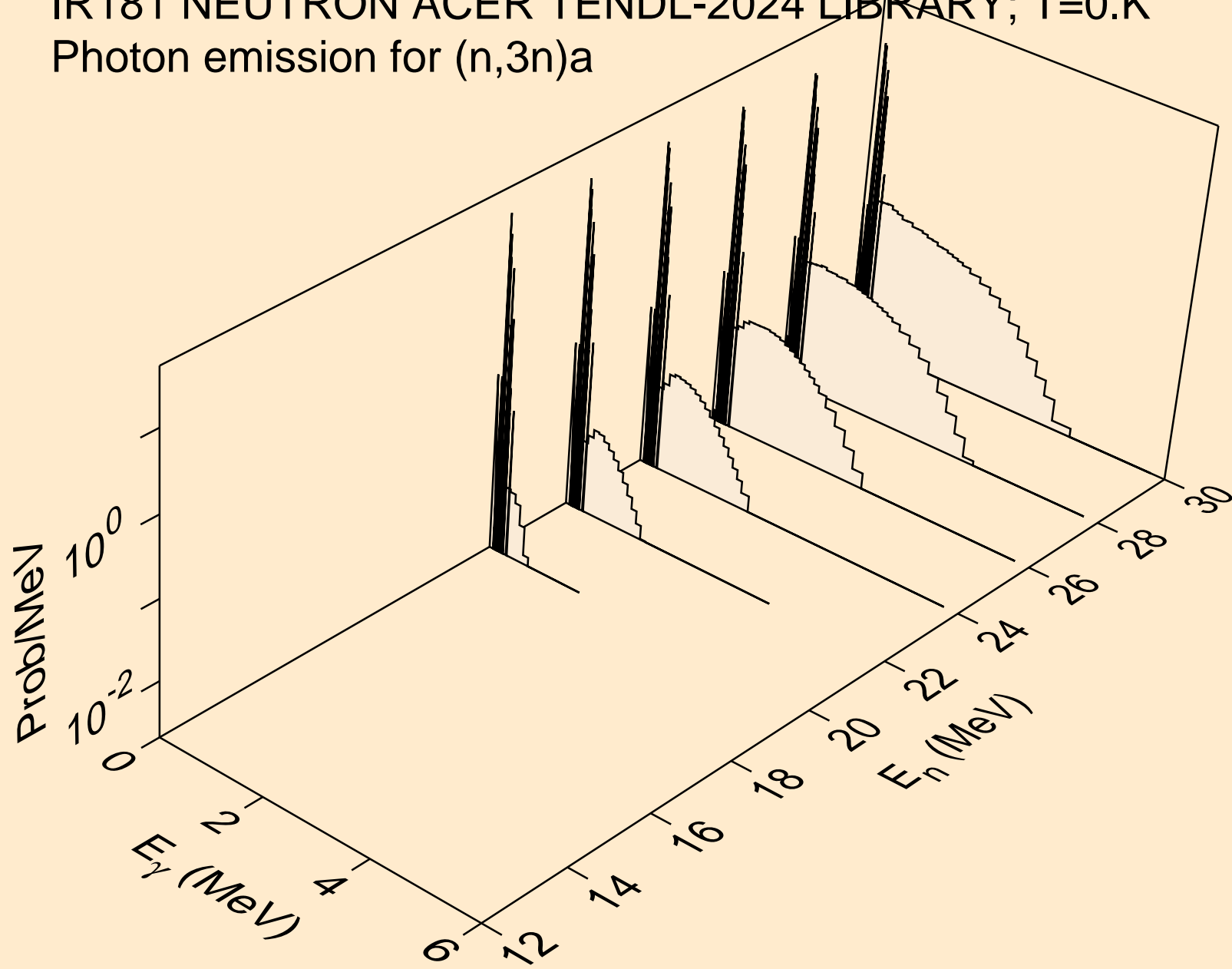




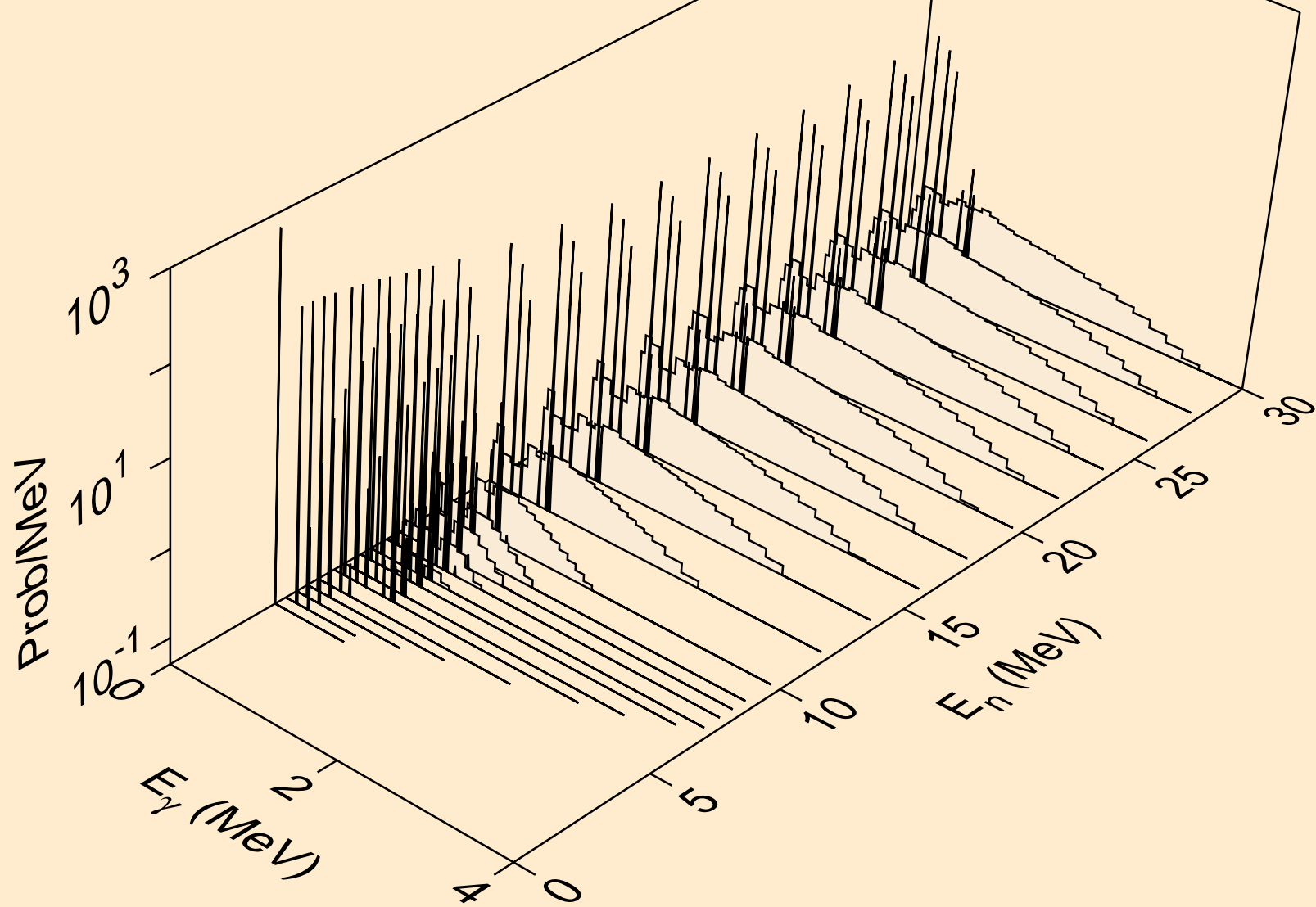
IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)a



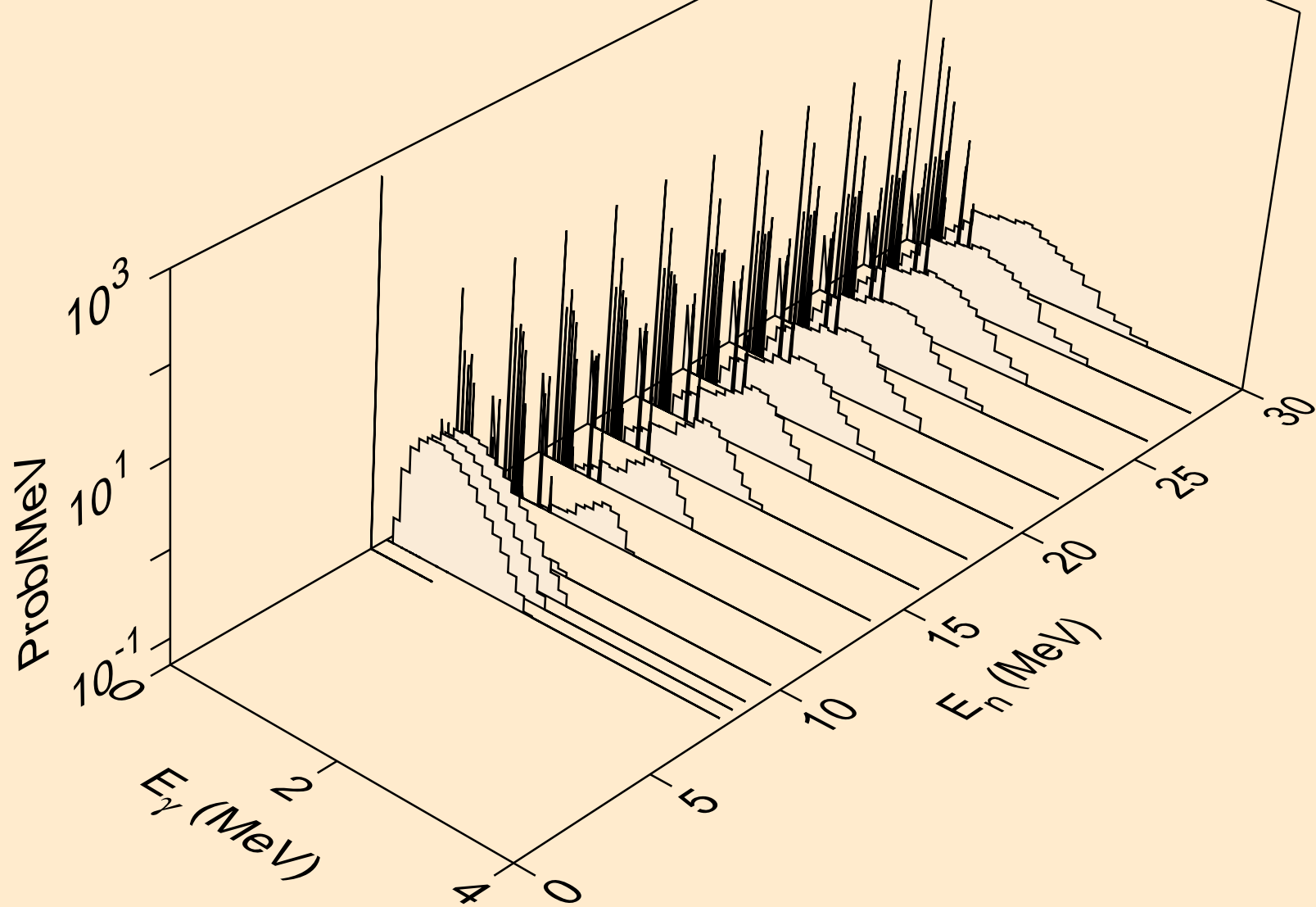
IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)a



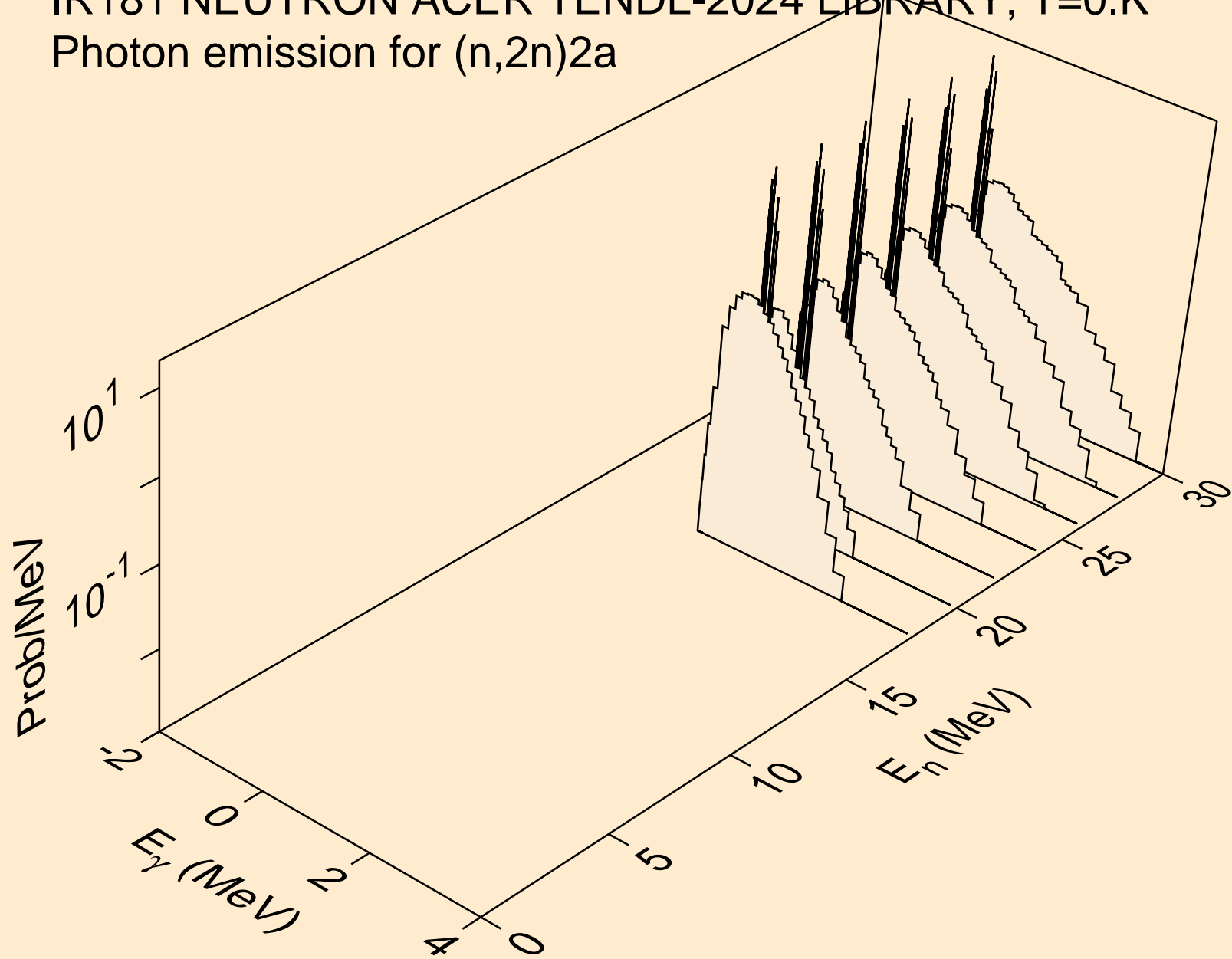
IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



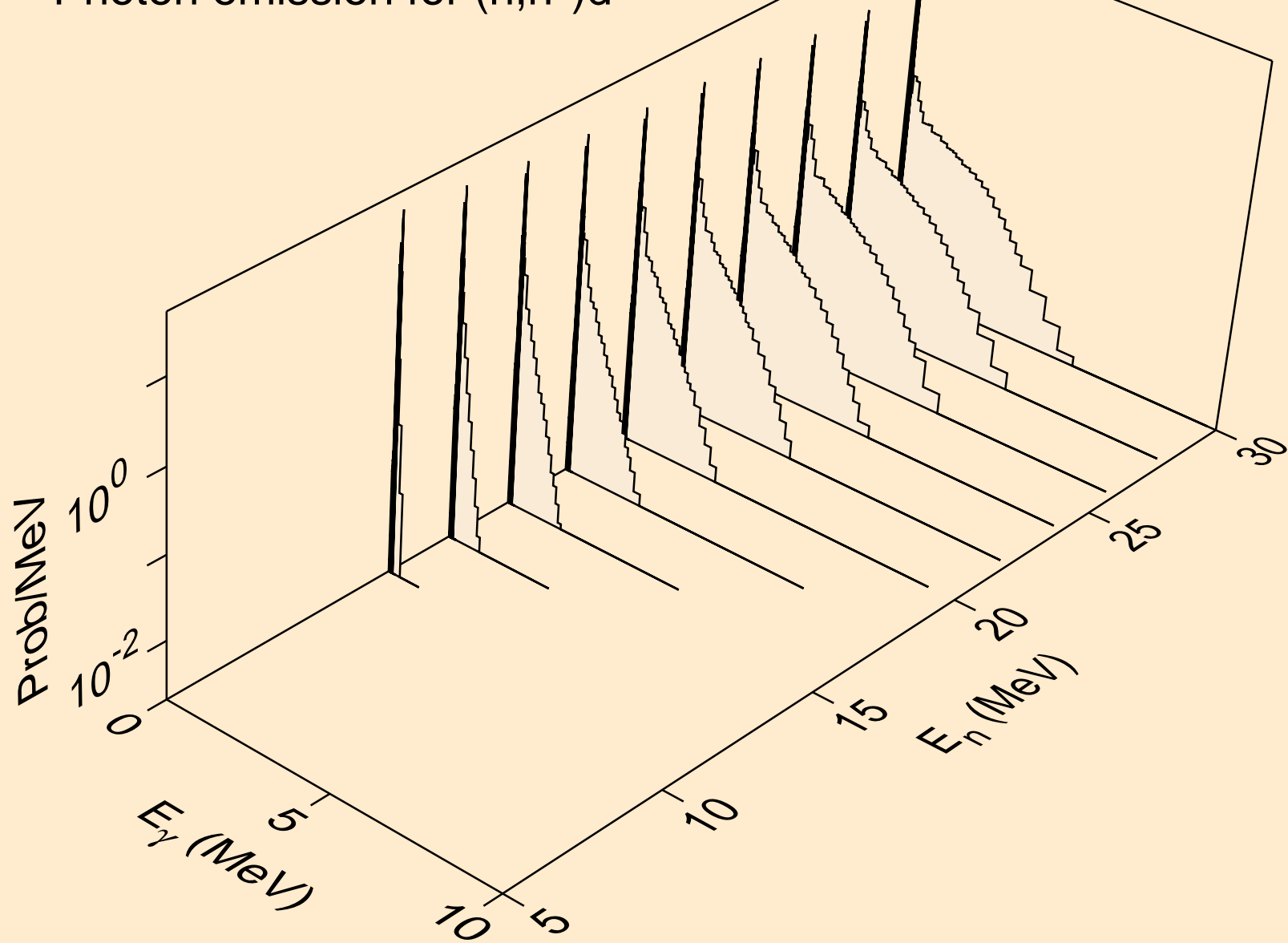
IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



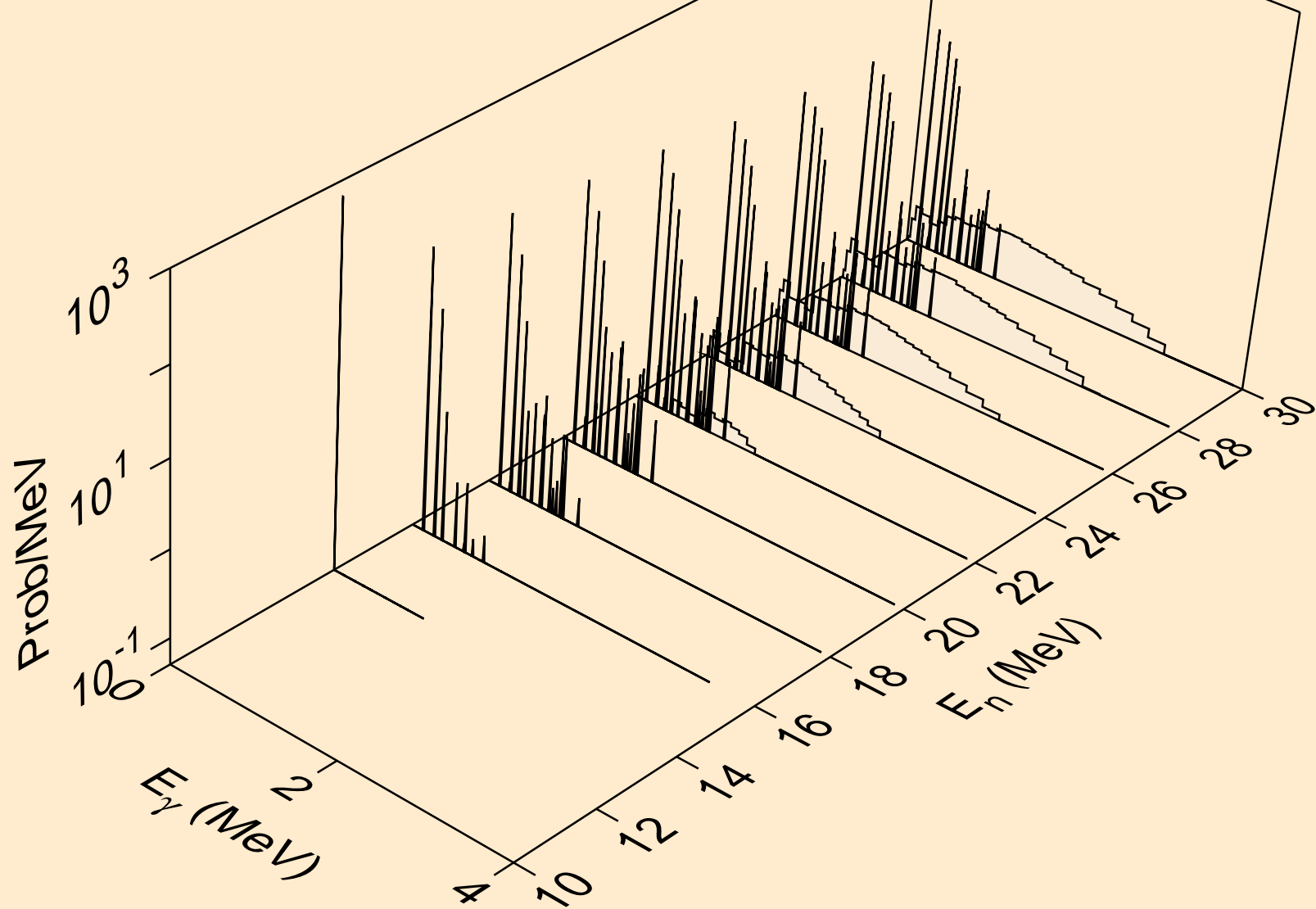
IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)2a



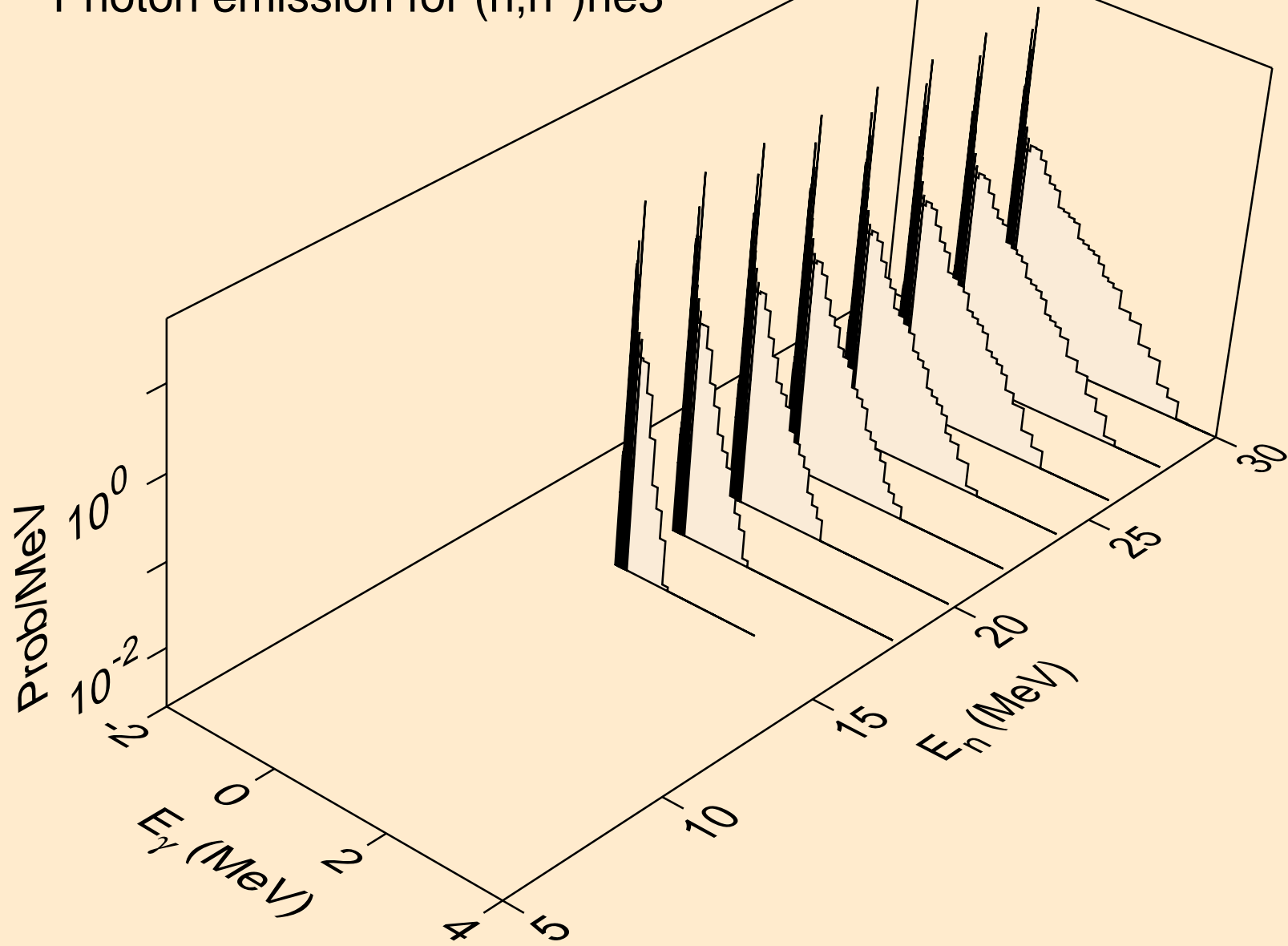
IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)t

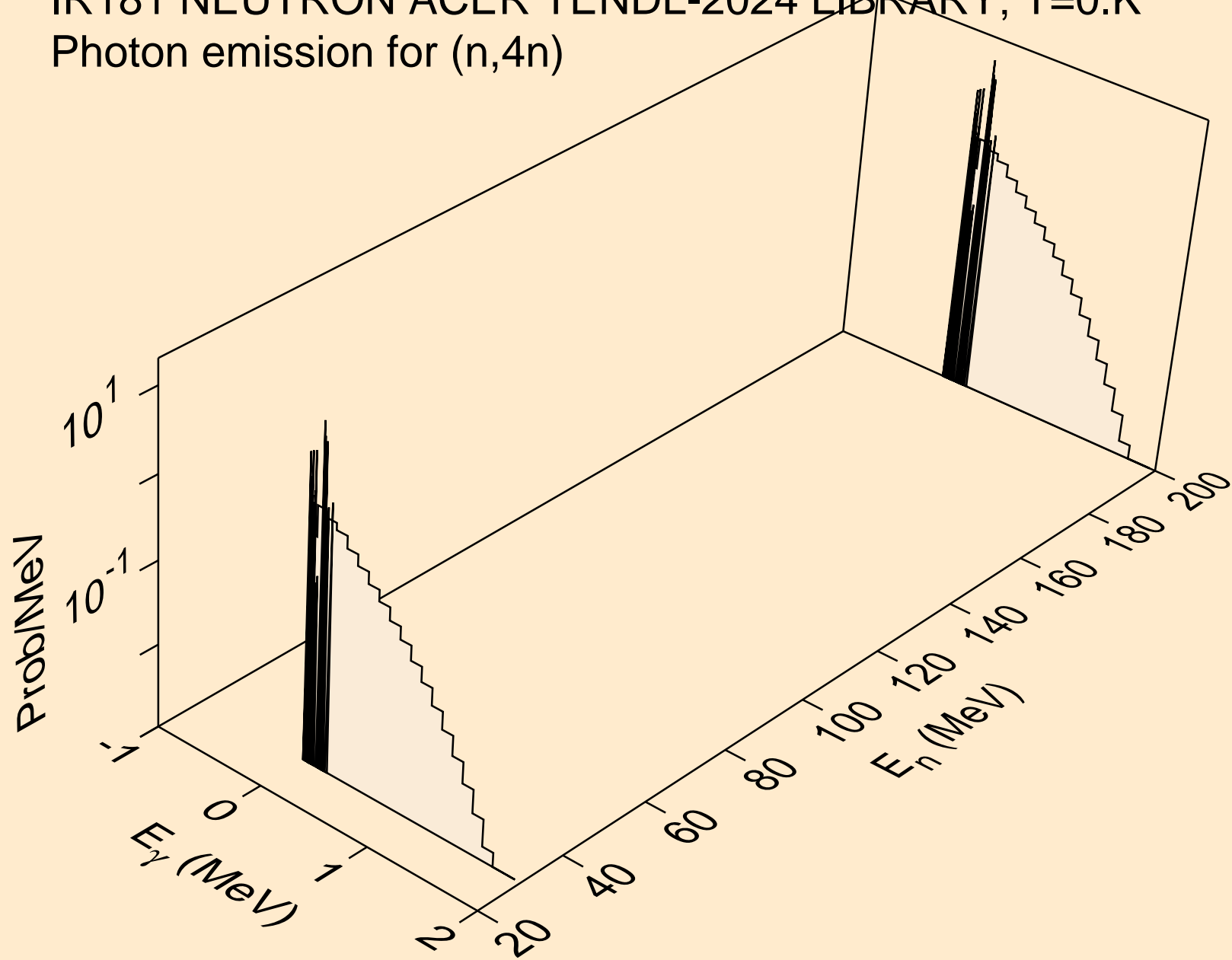


IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3

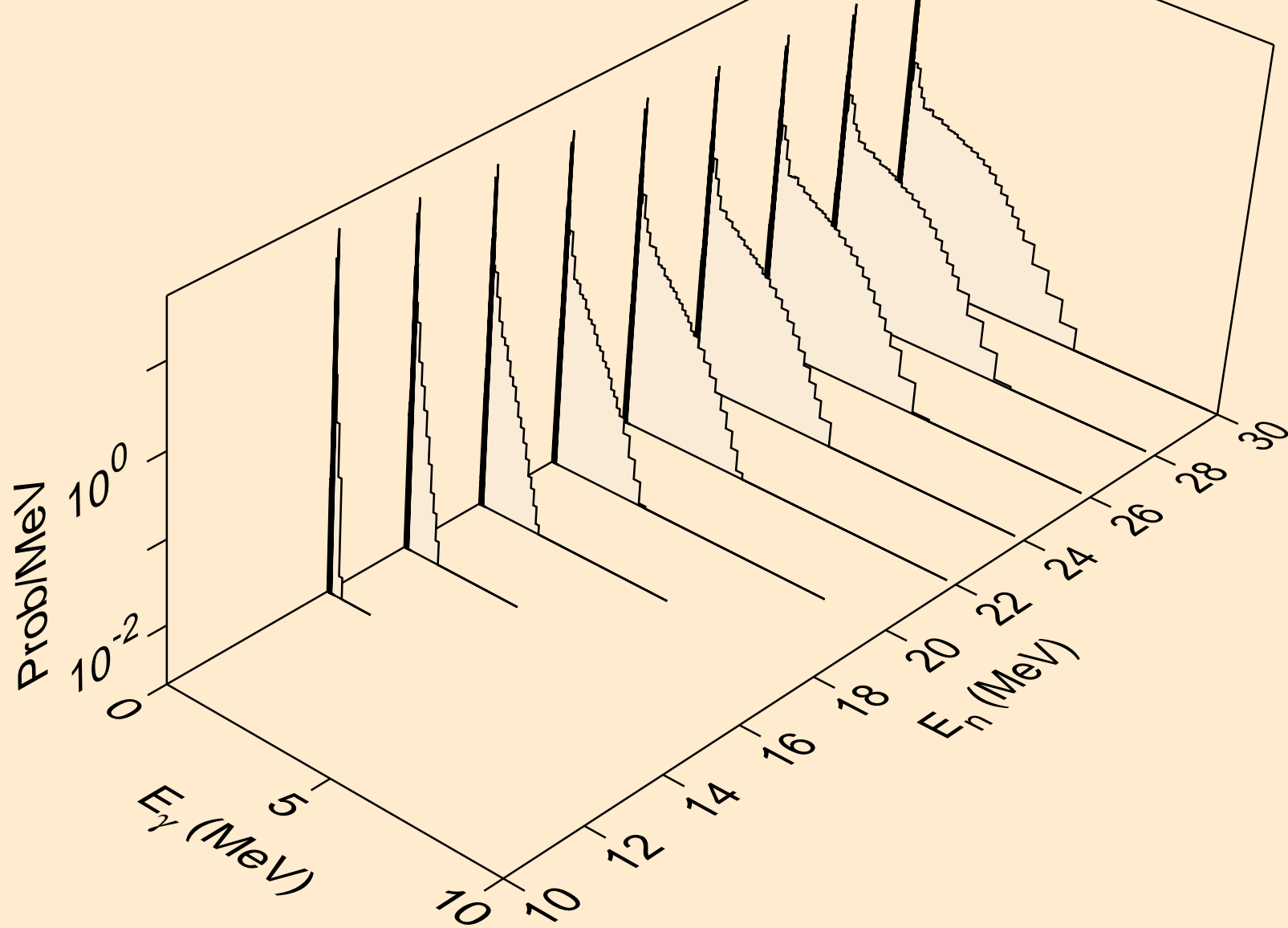




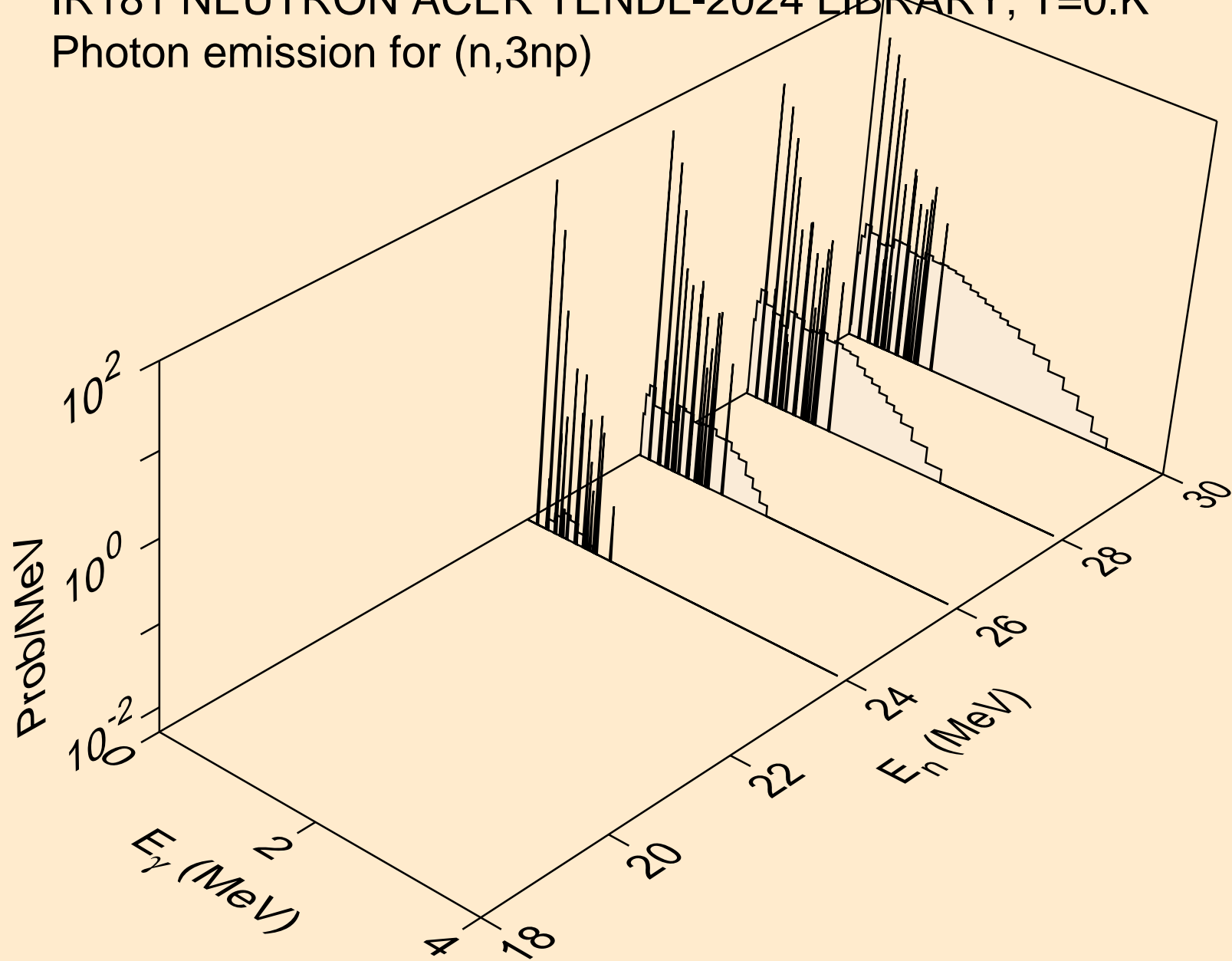
IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,4n)



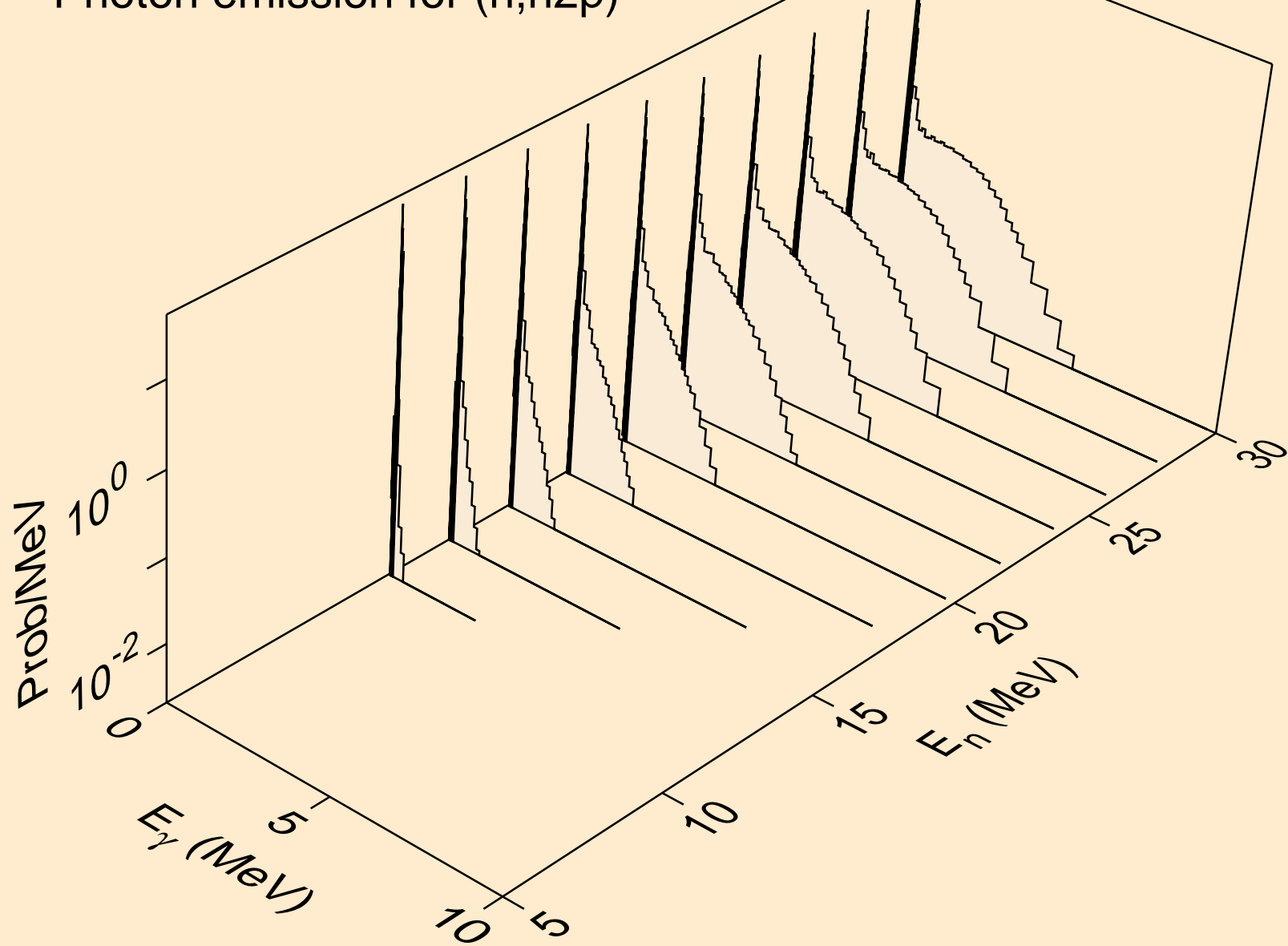
IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2np)



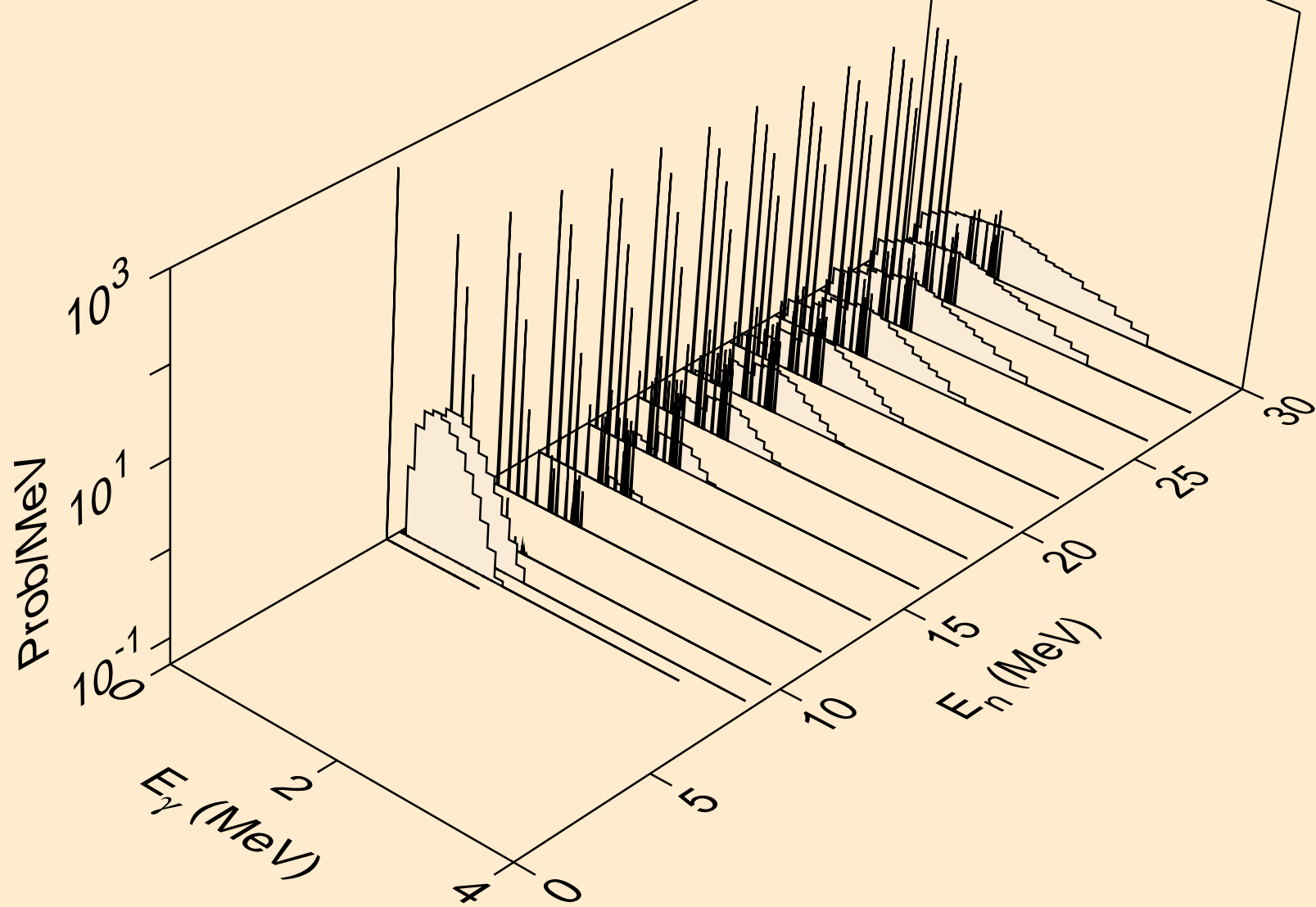
IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3np)



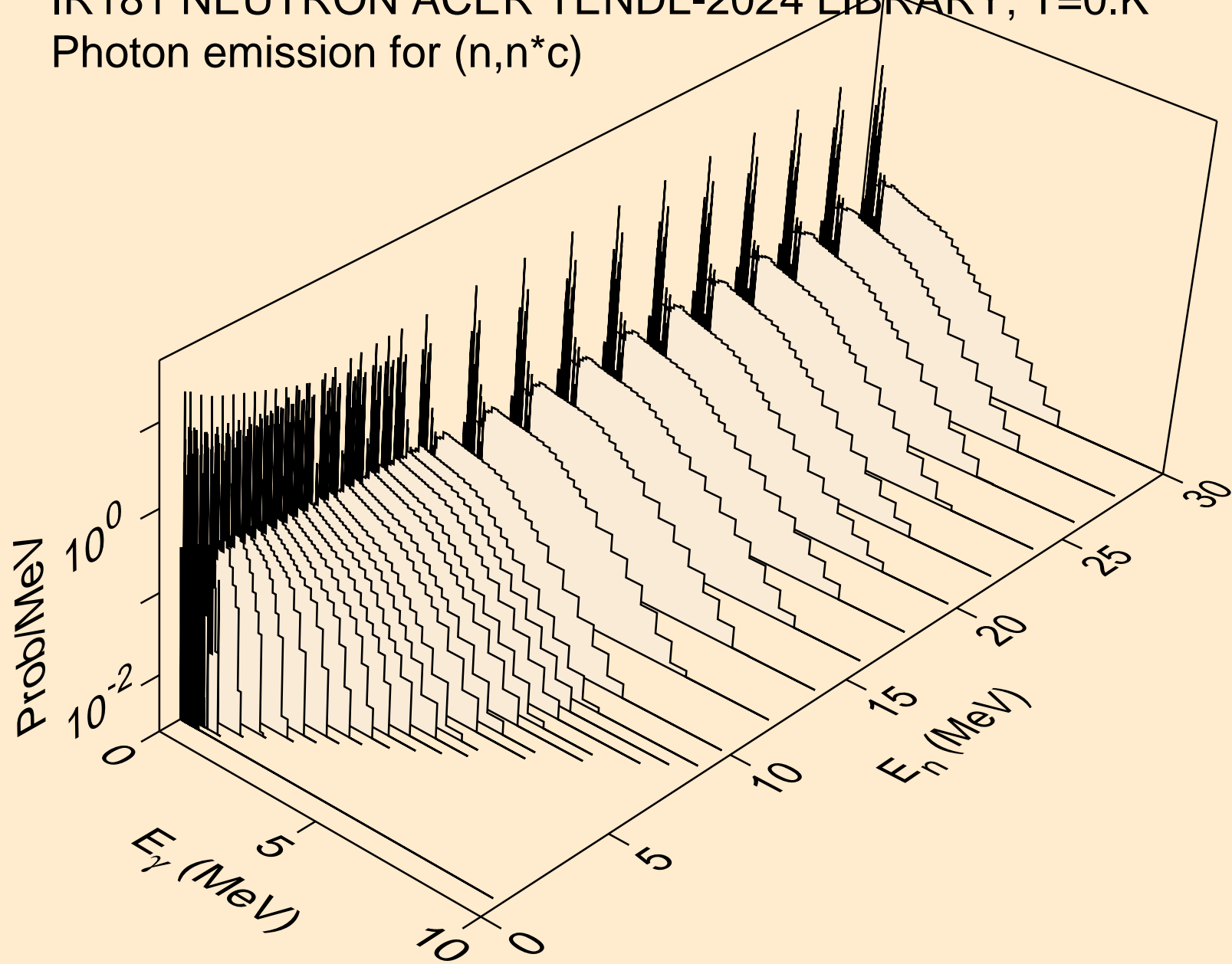
IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n2p)



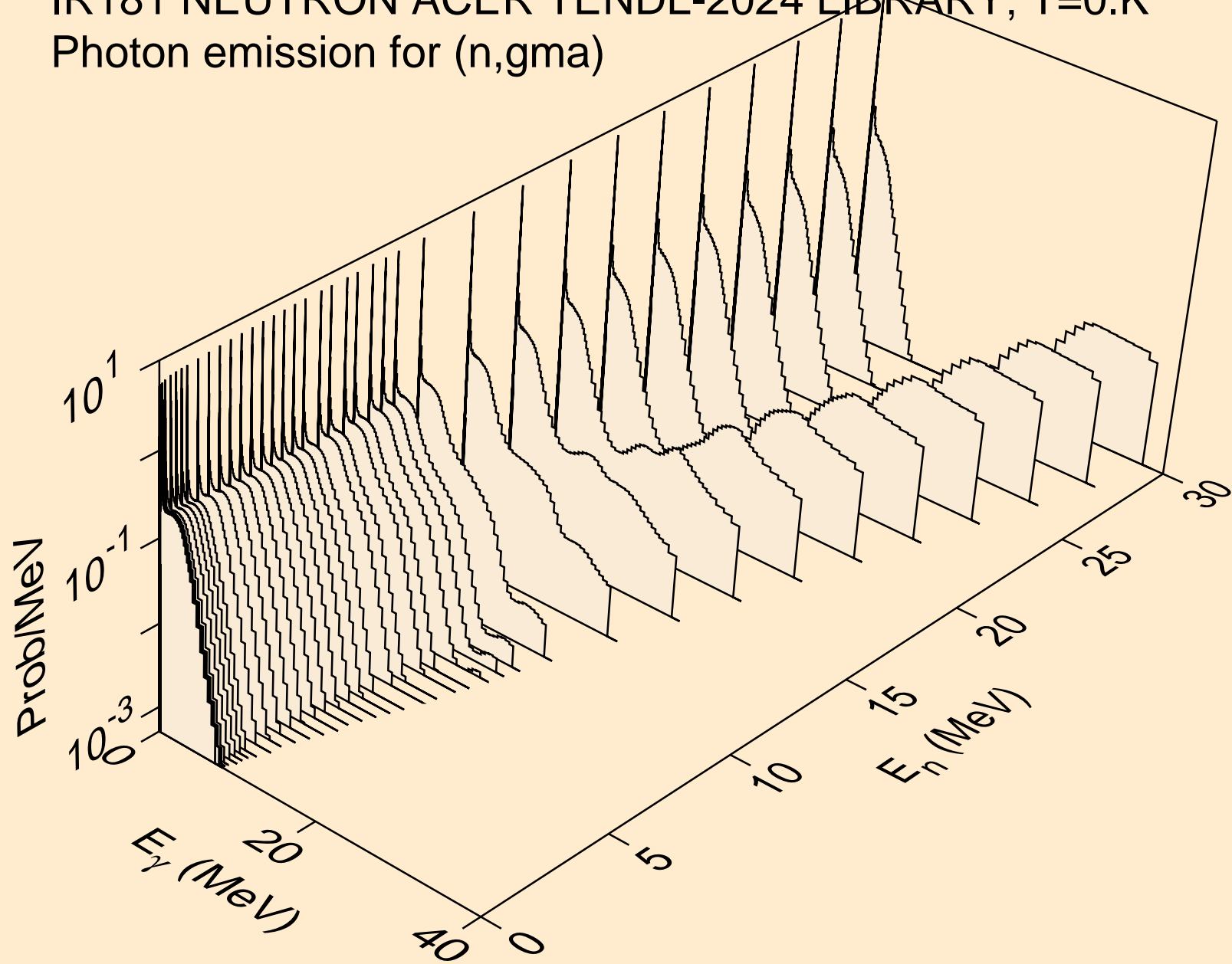
IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,npa)



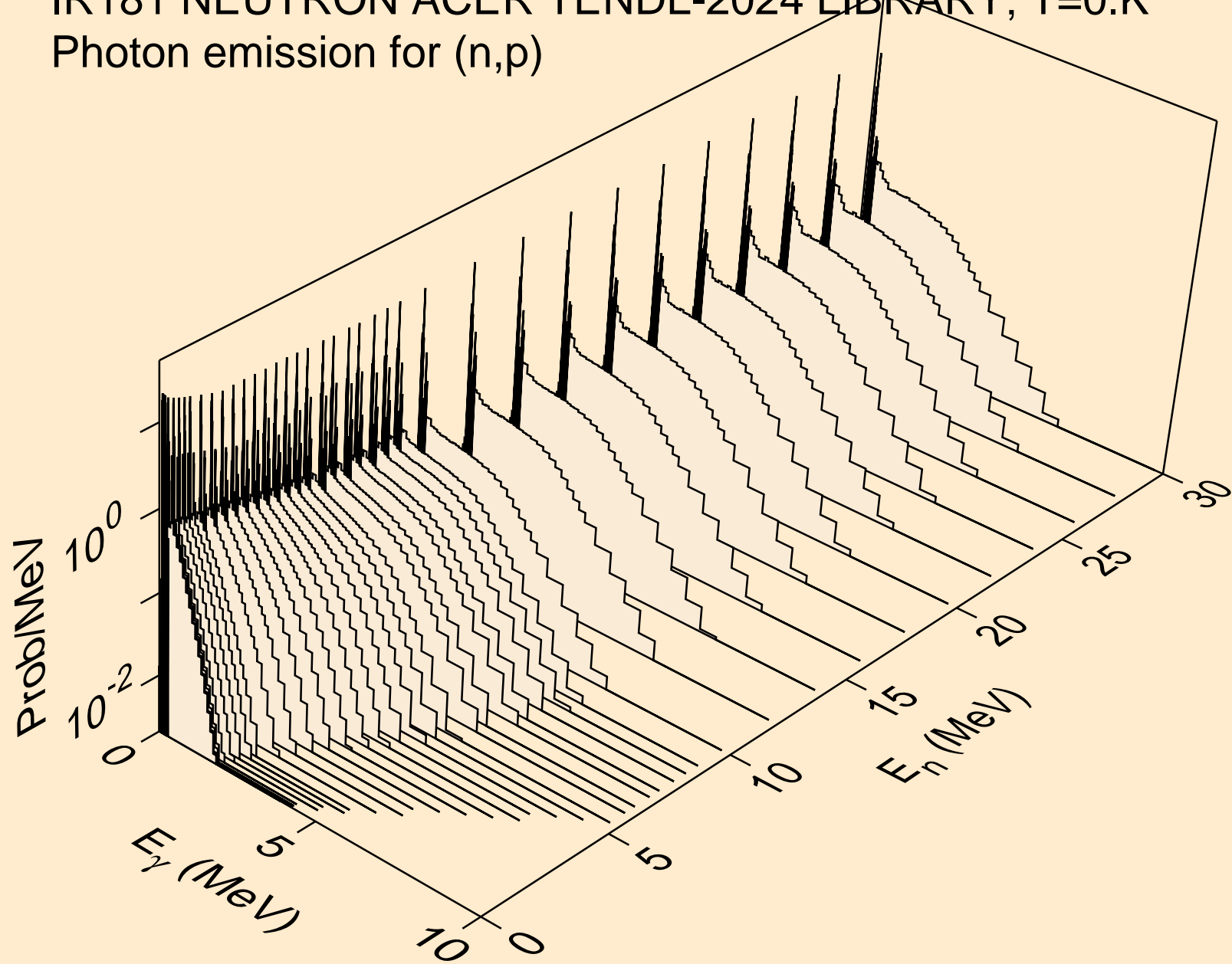
IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*c)



IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,gma)

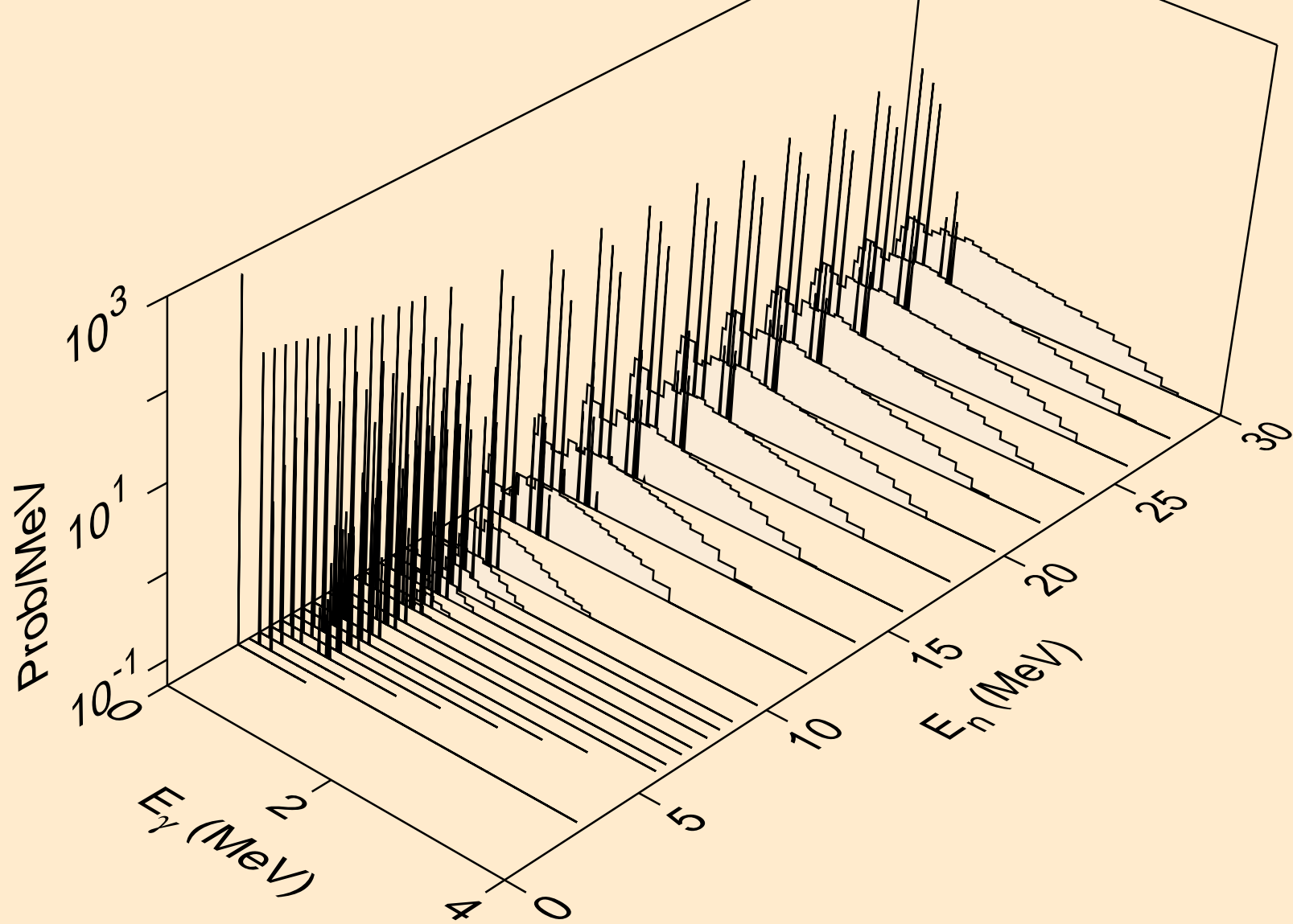


IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p)

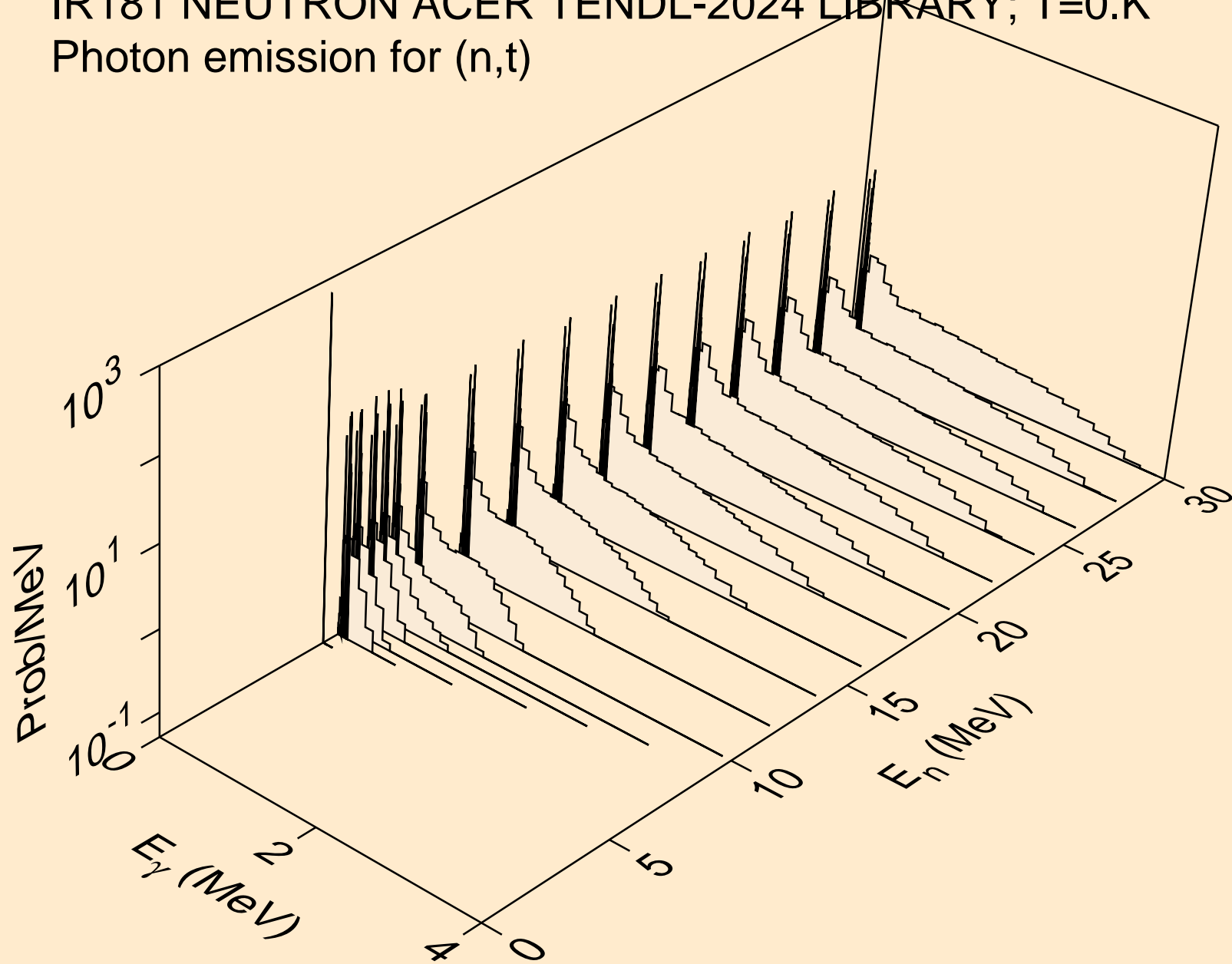




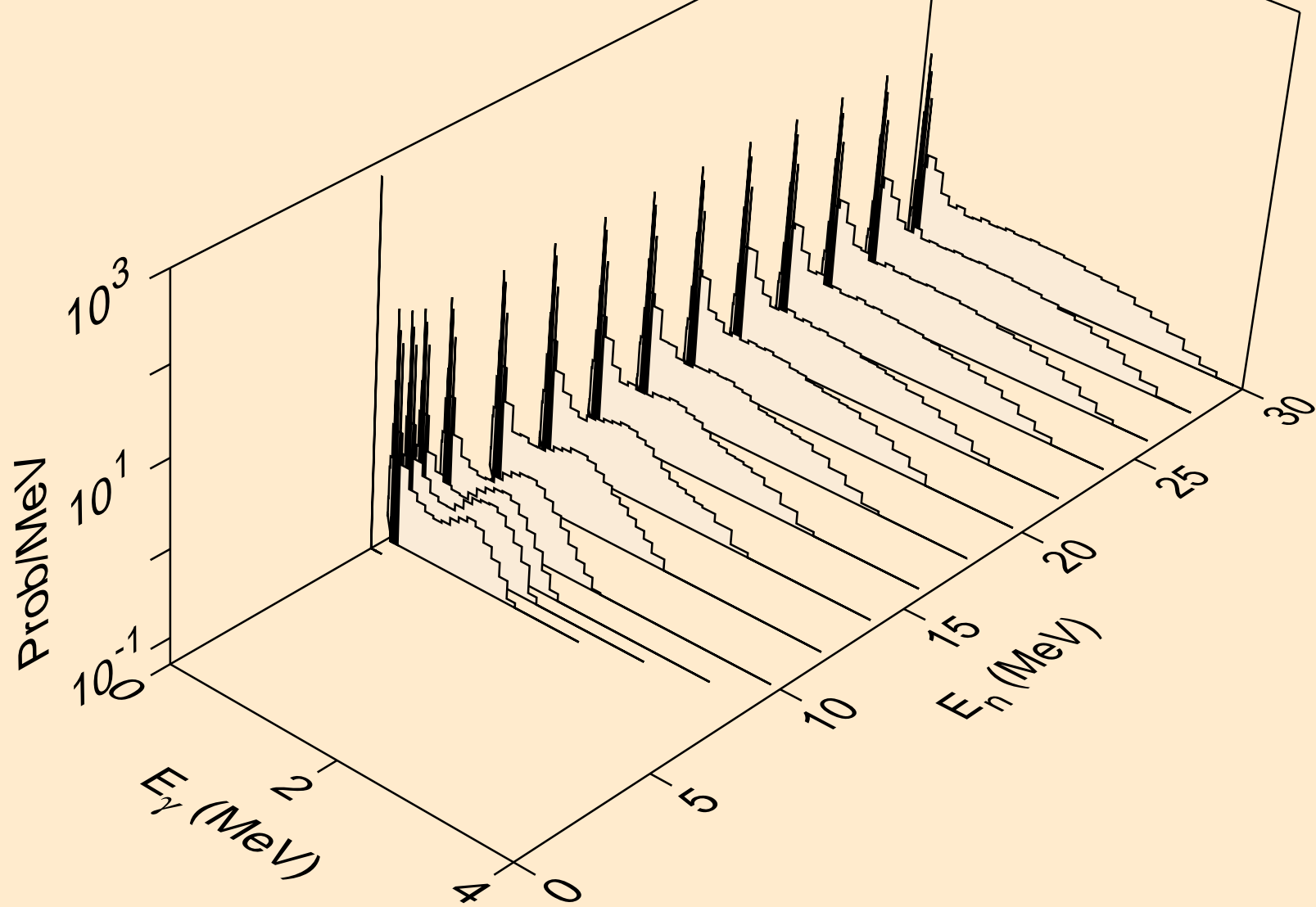
IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,d)



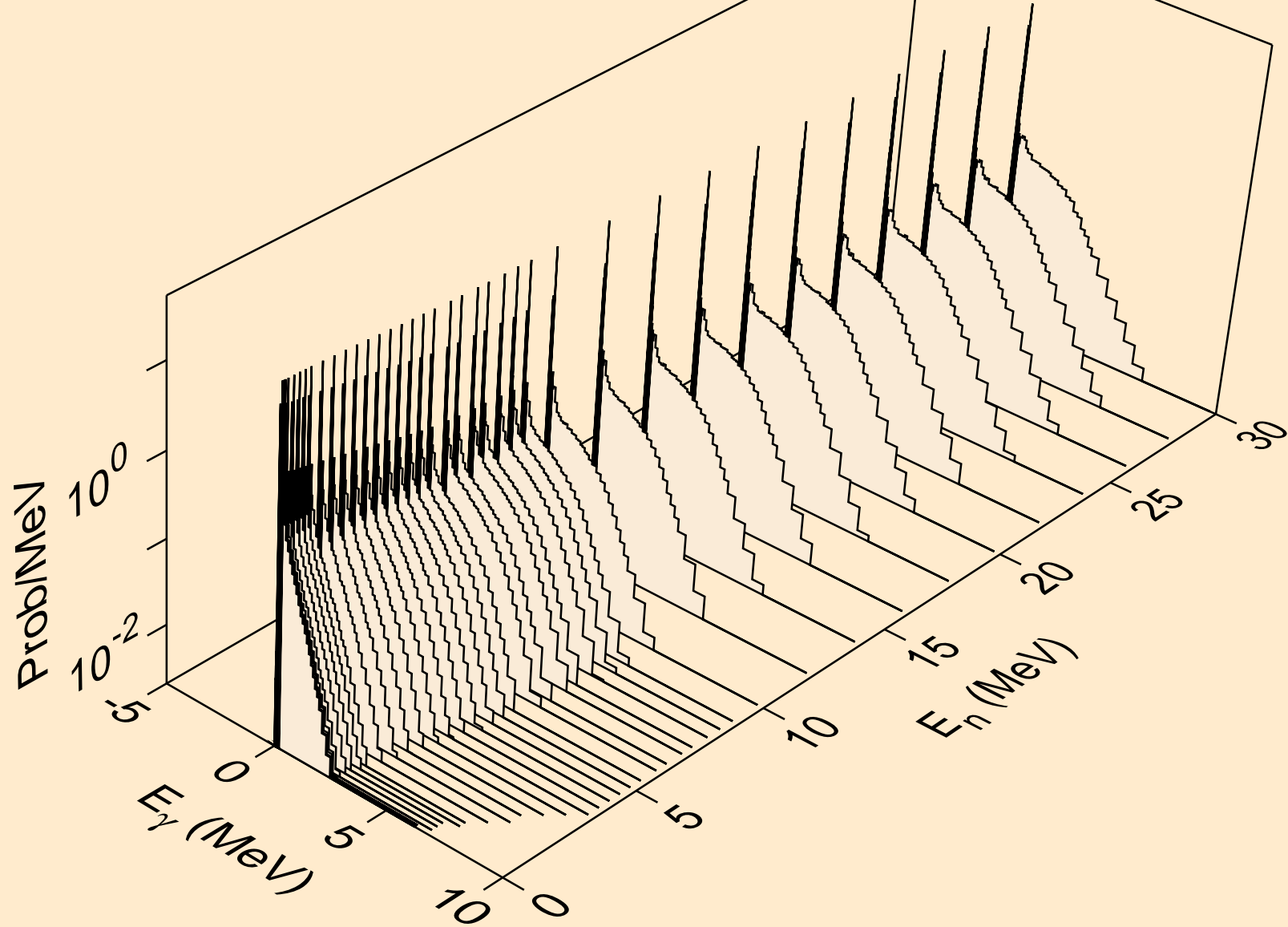
IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,t)



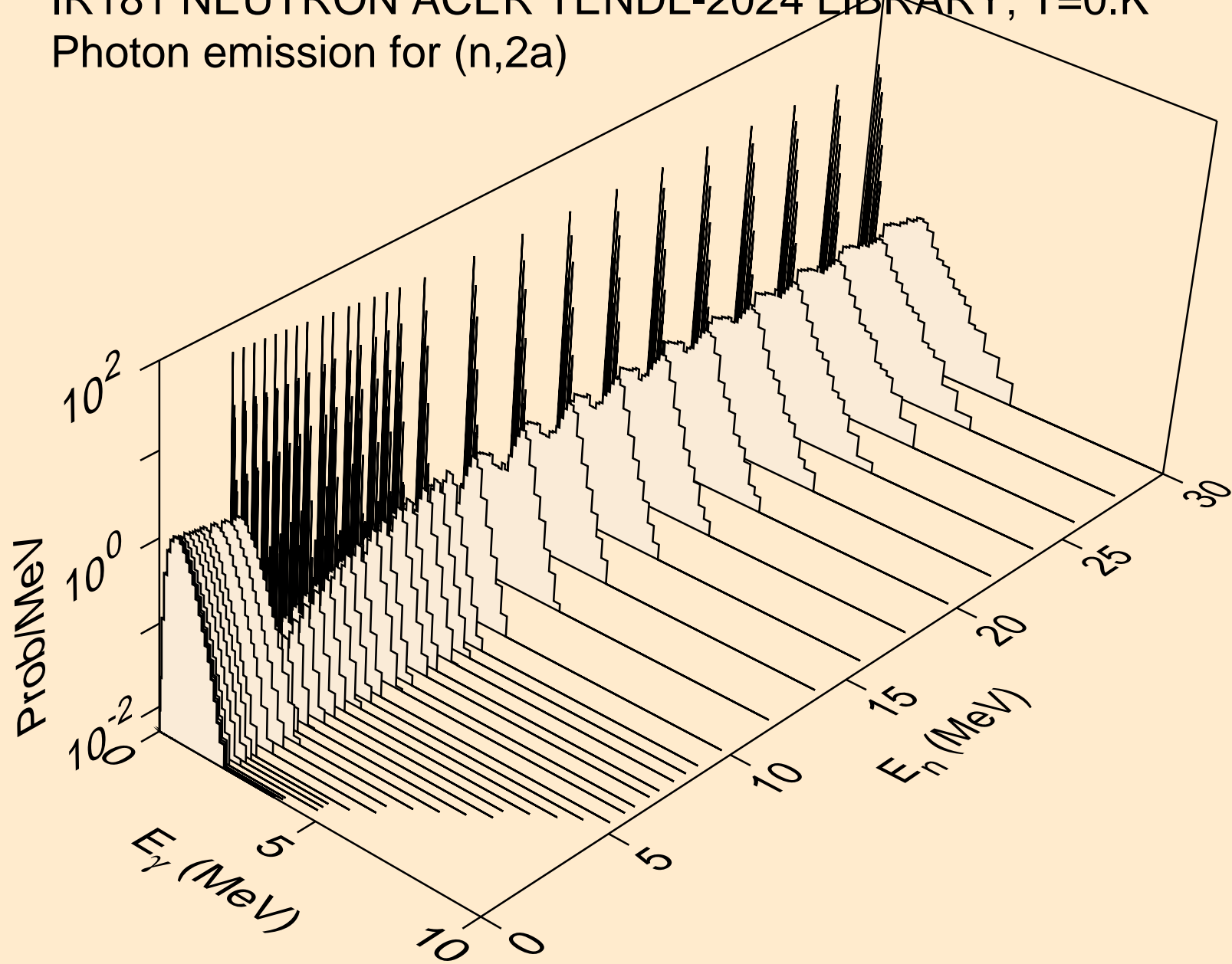
IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,he3)



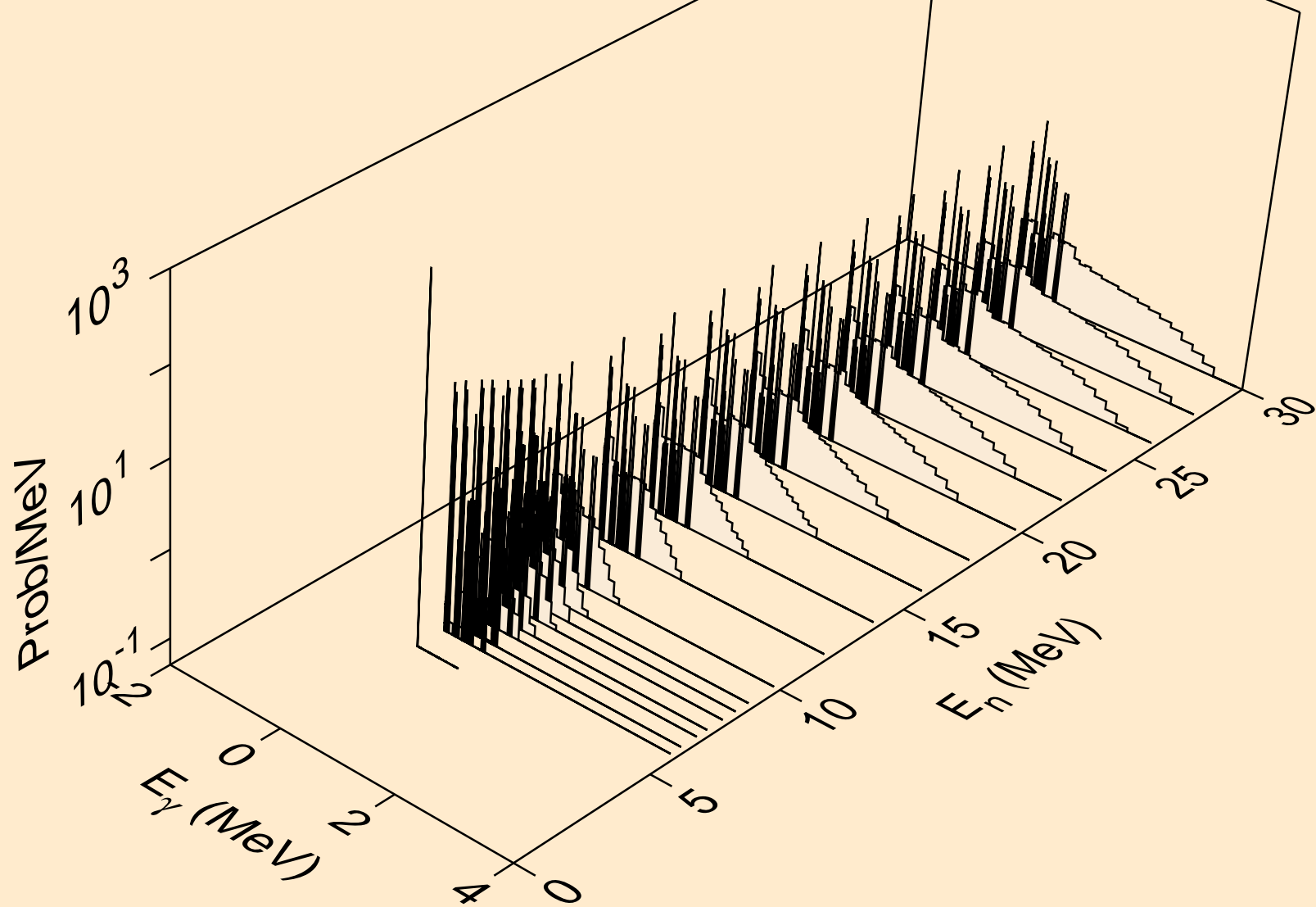
IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,a)



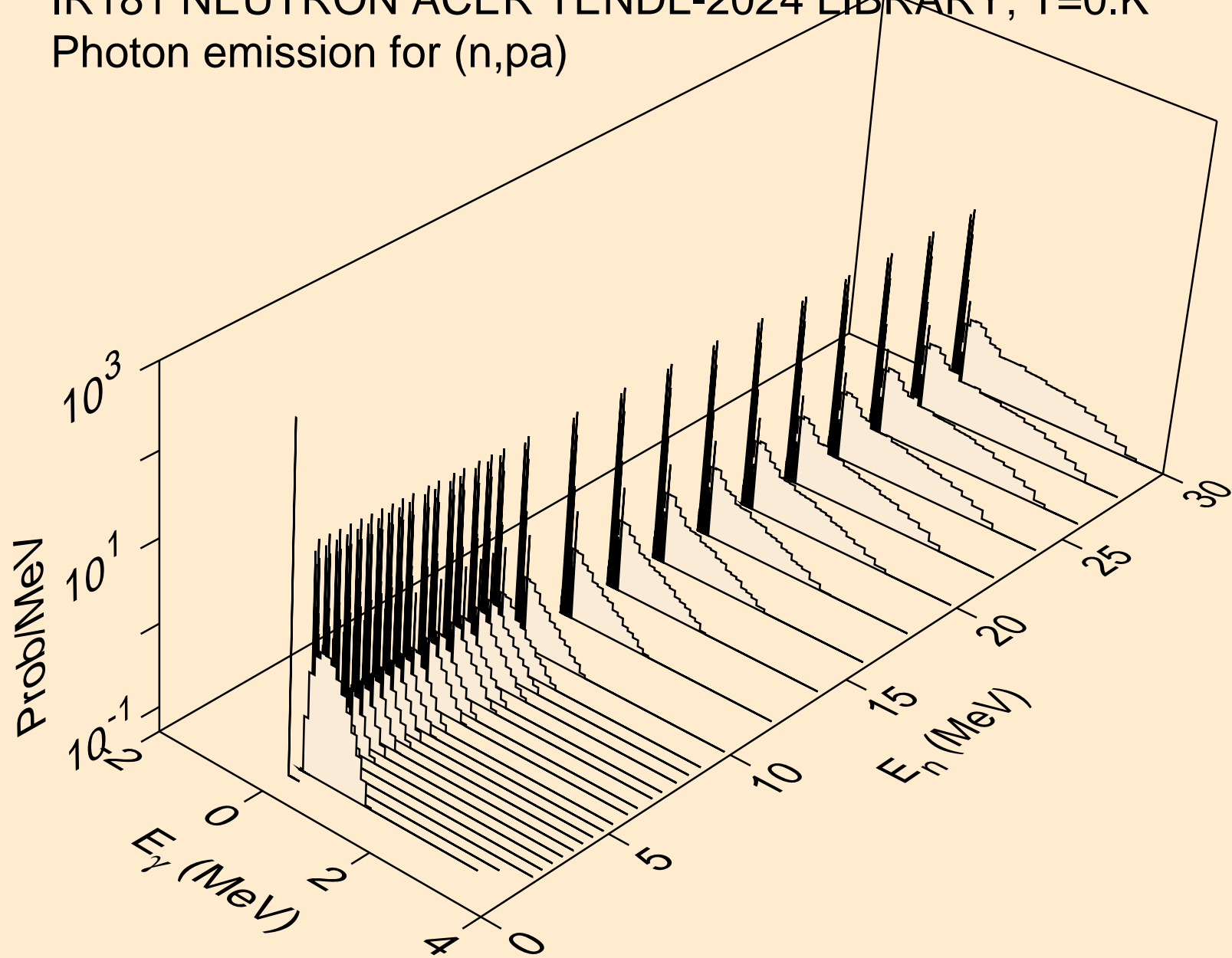
IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2a)



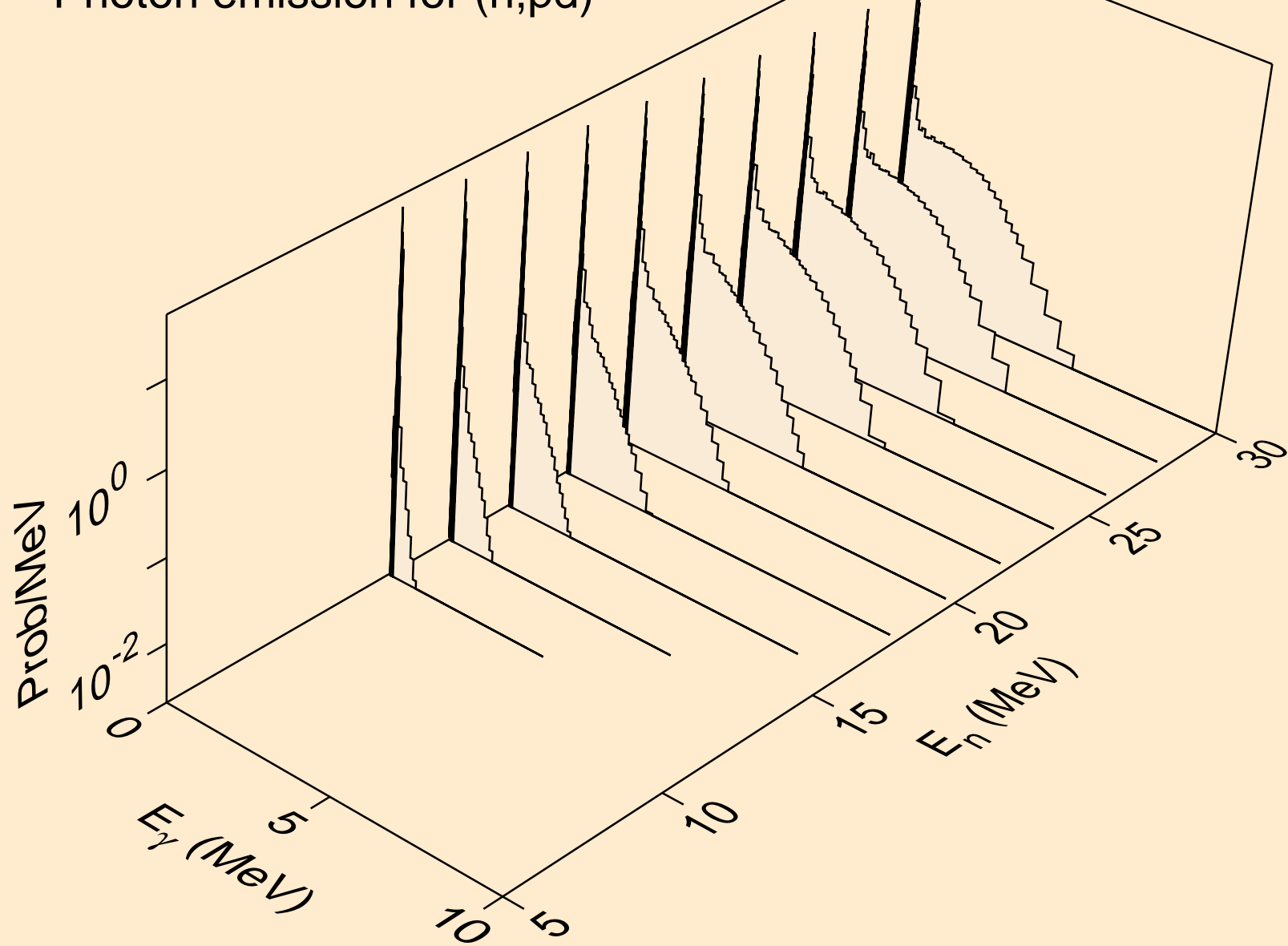
IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2p)



IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p $\alpha$ )

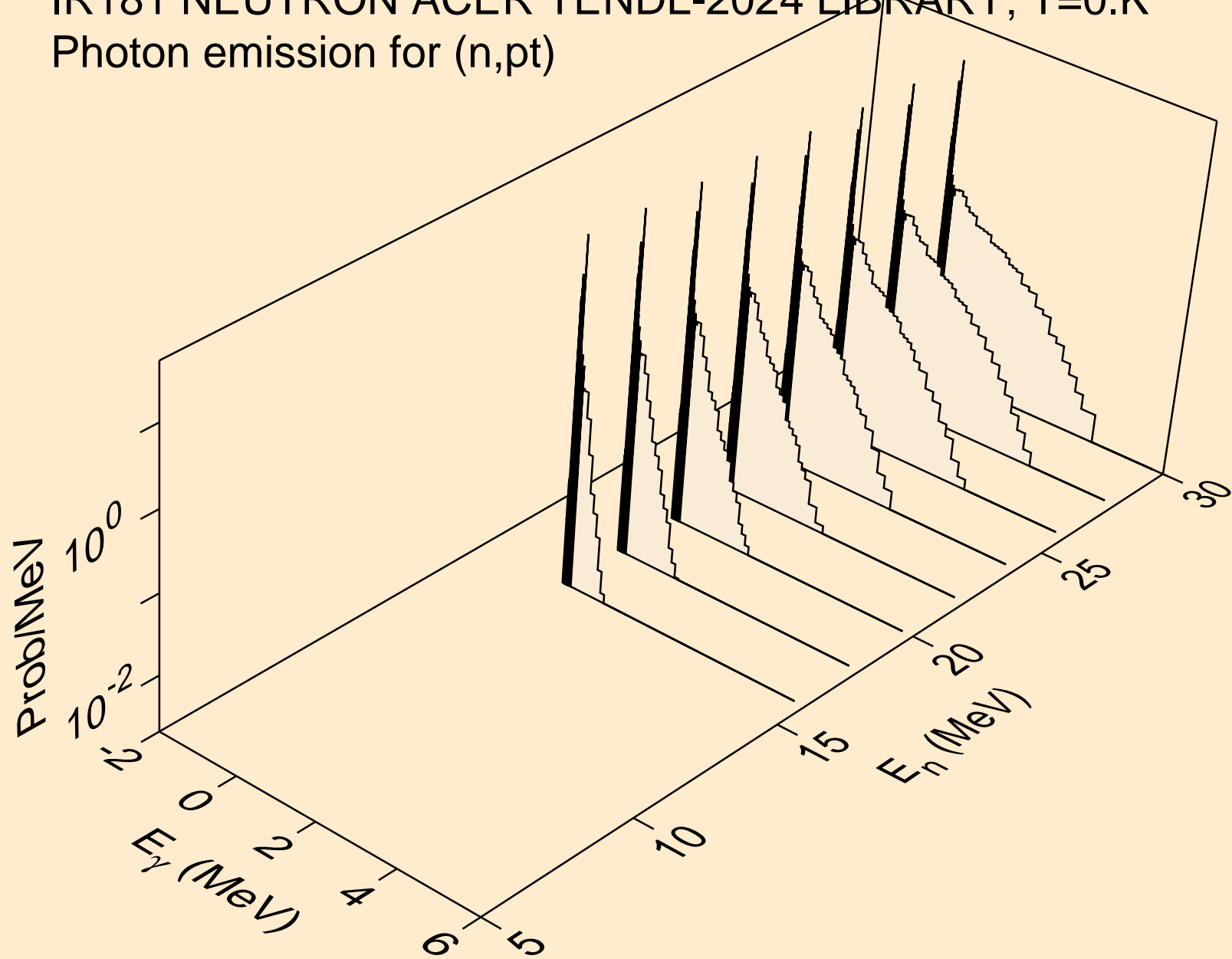


IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pd)

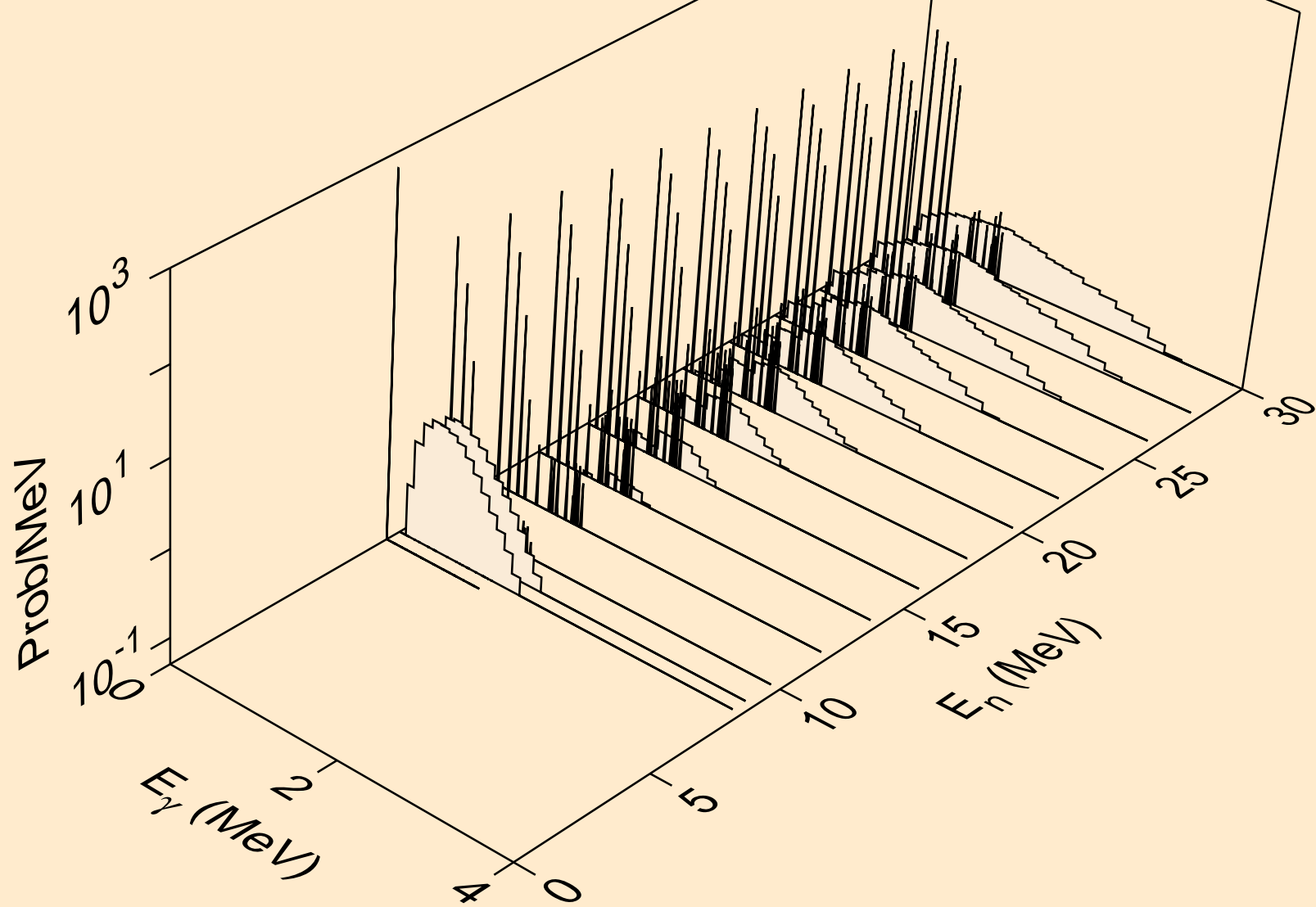




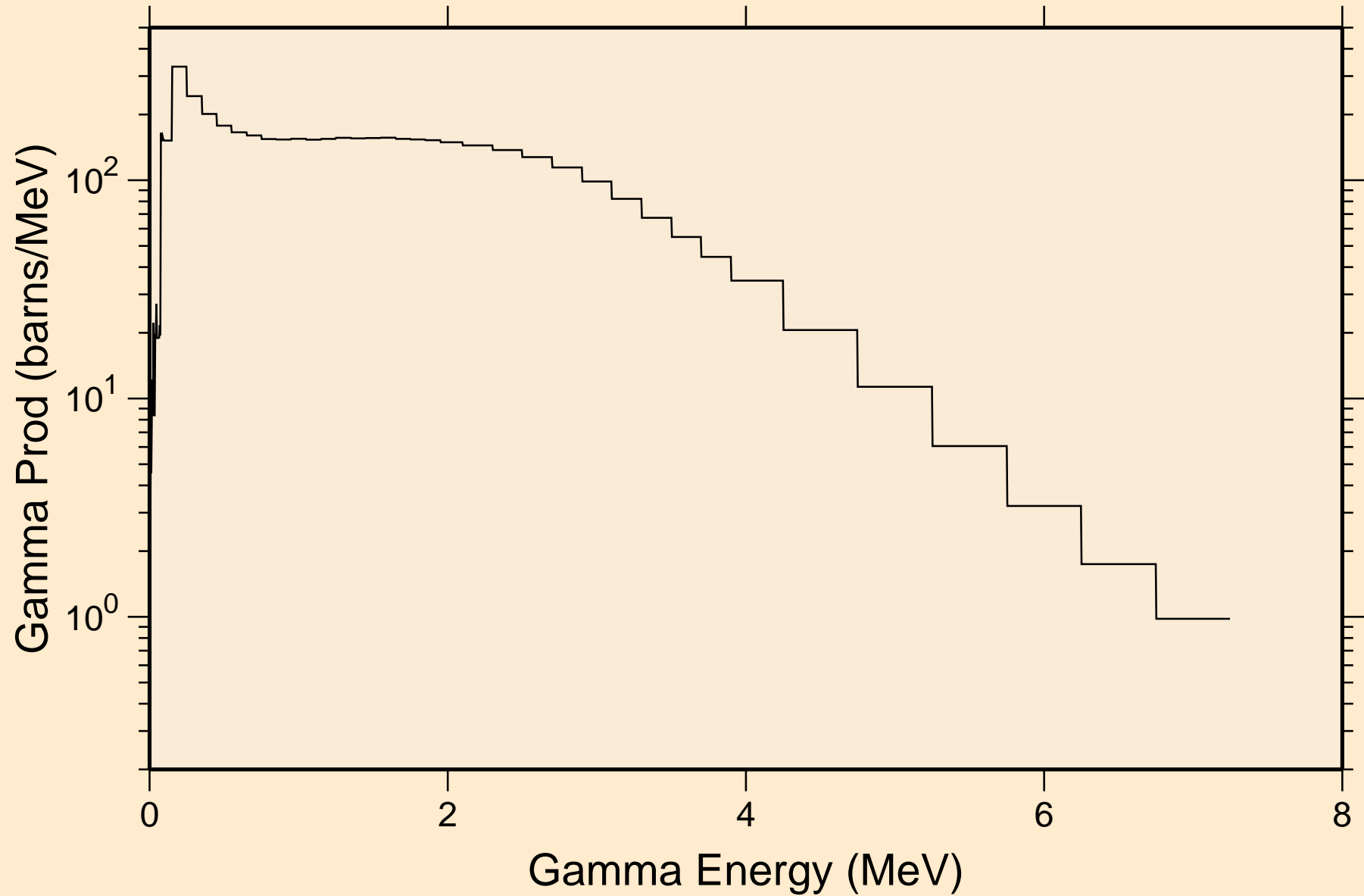
IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pt)



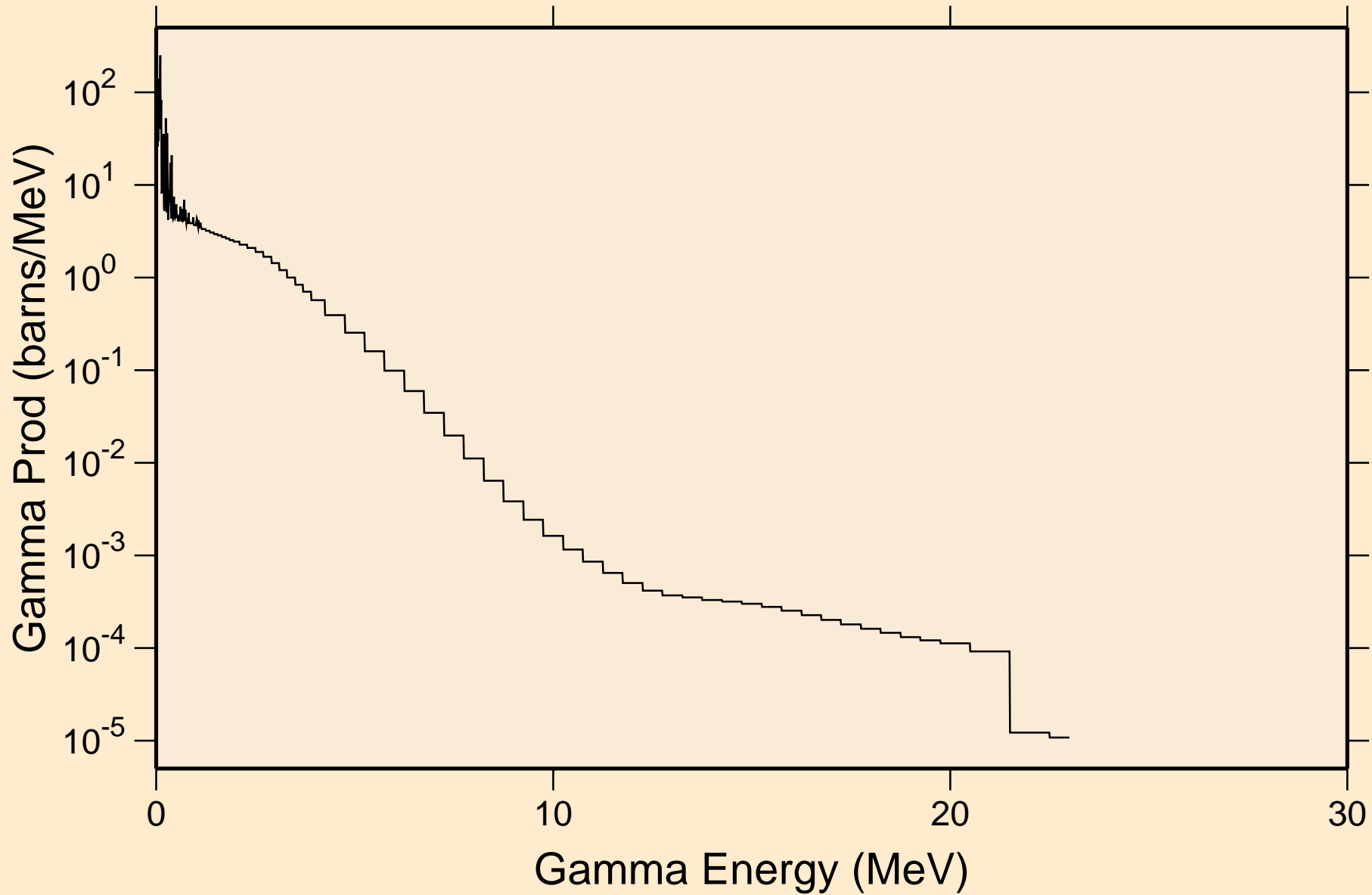
IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,da)



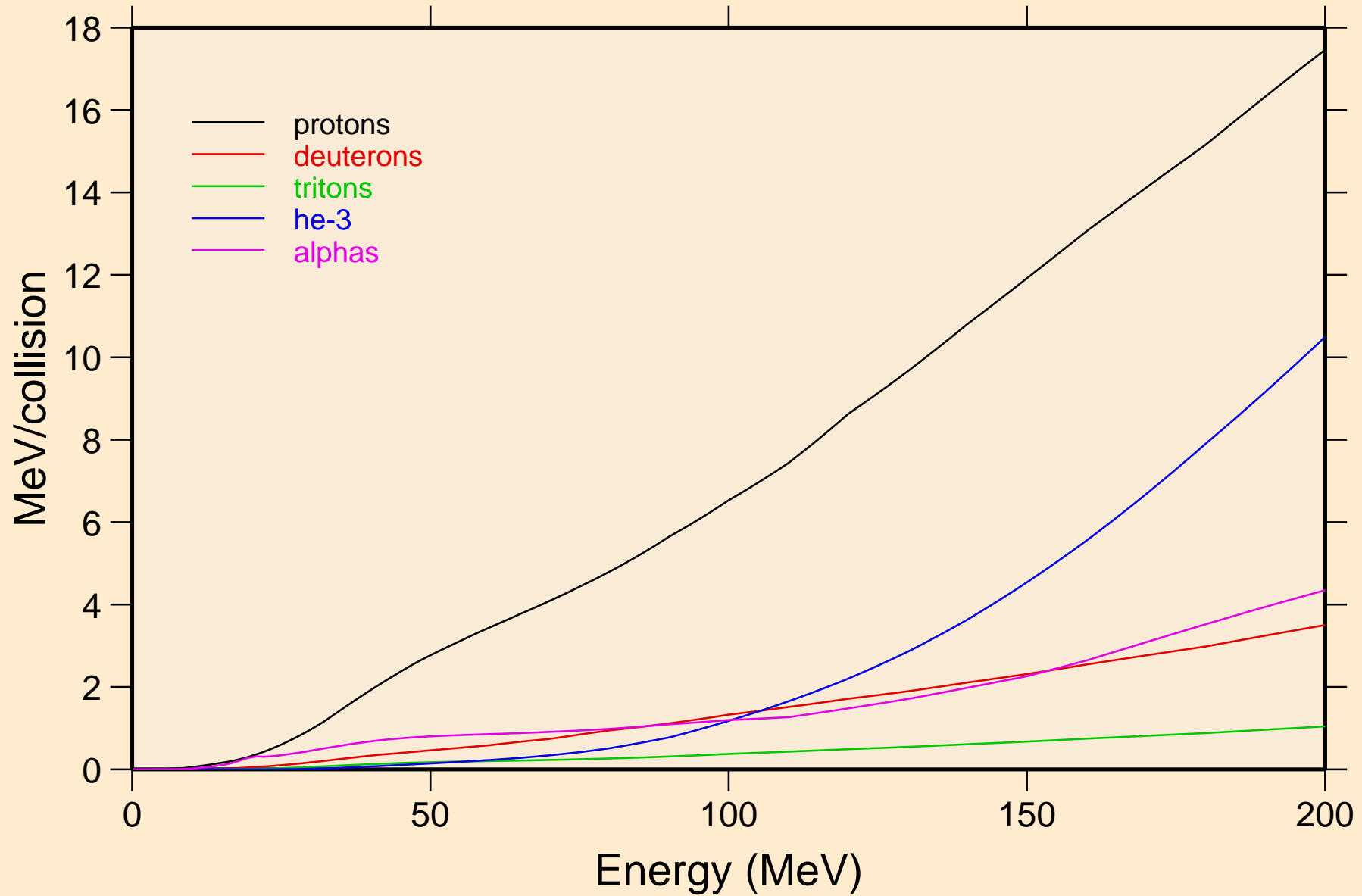
IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
thermal capture photon spectrum



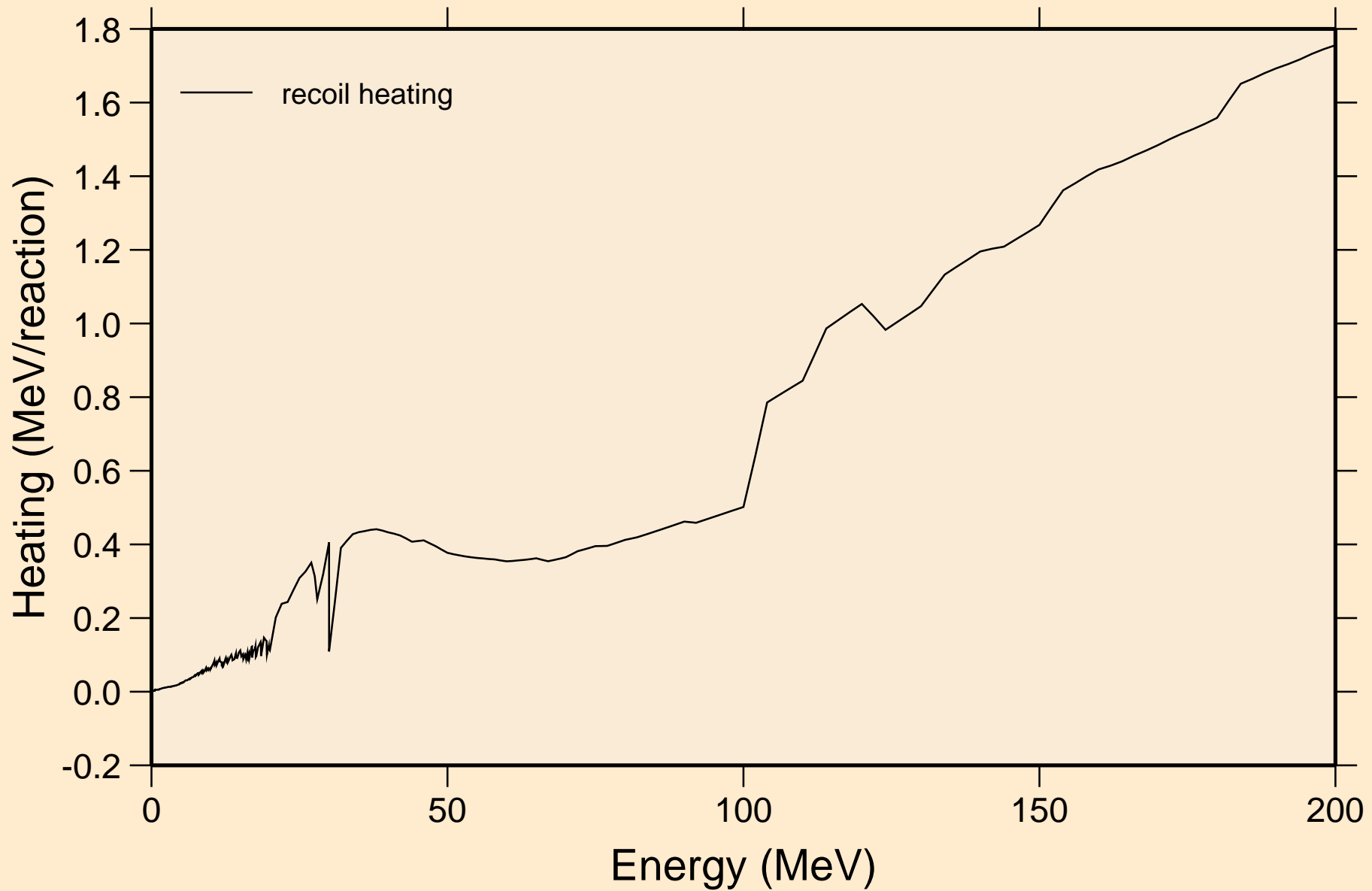
IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
14 MeV photon spectrum



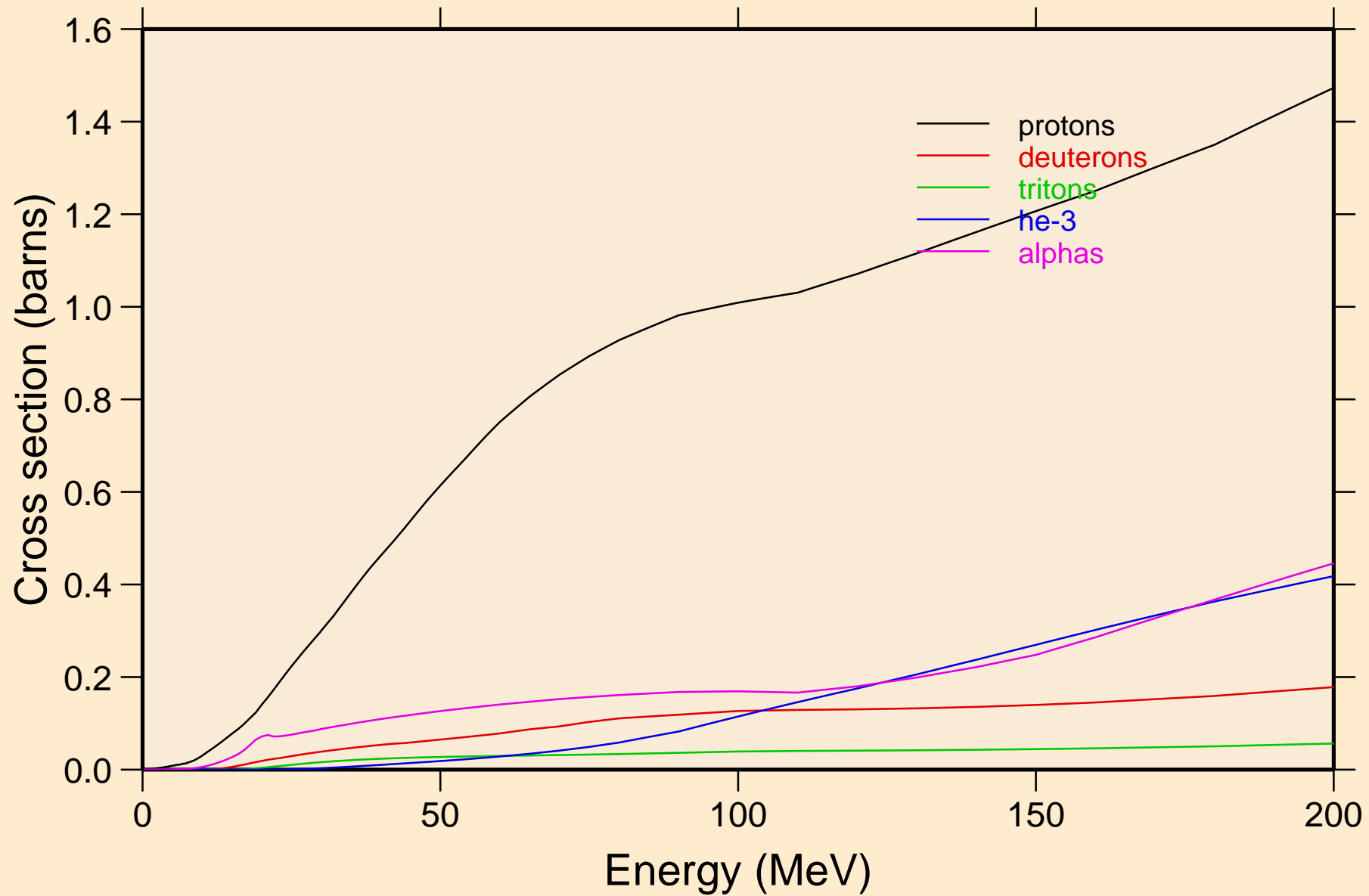
IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Particle heating contributions



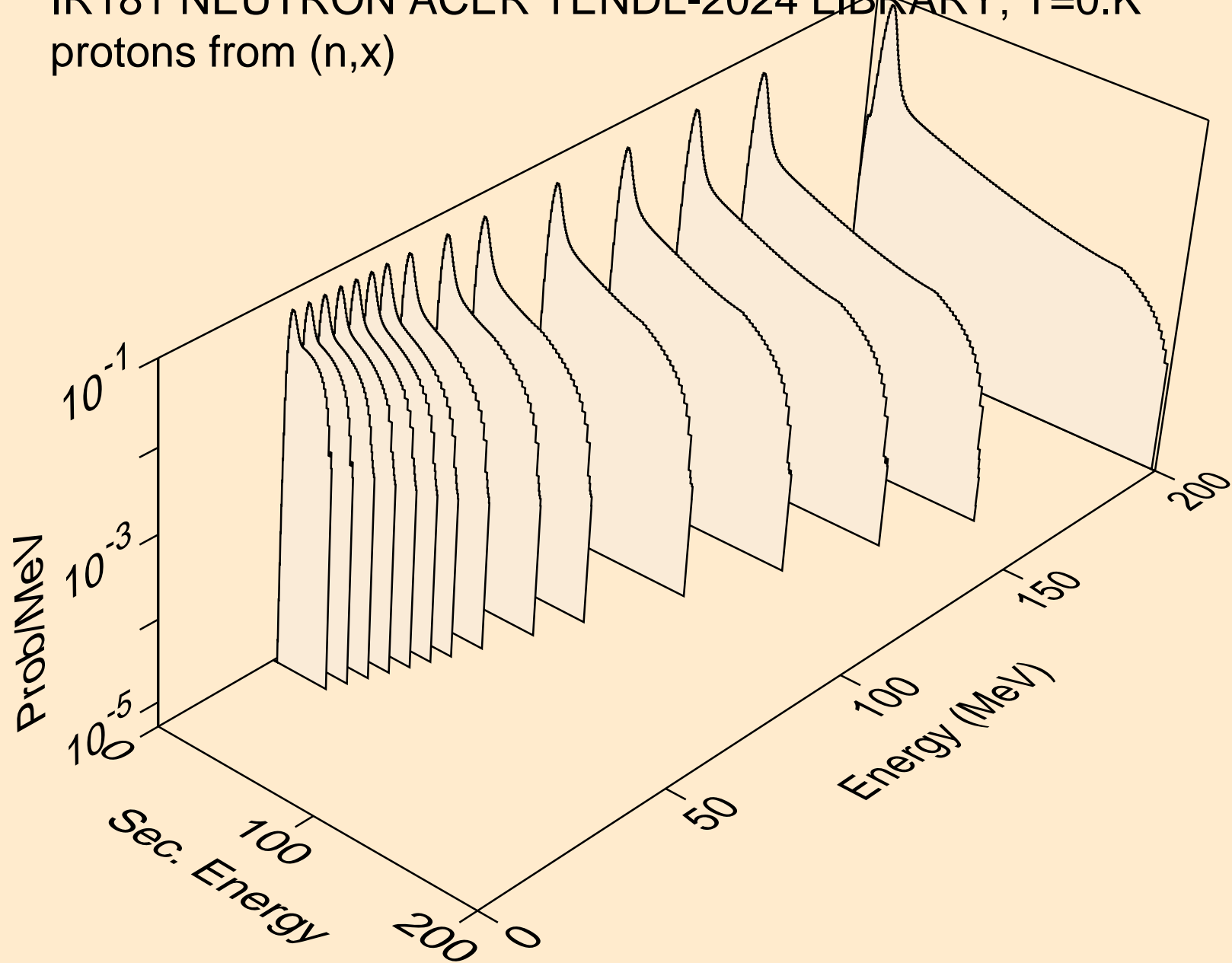
IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Recoil Heating



IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Particle production cross sections

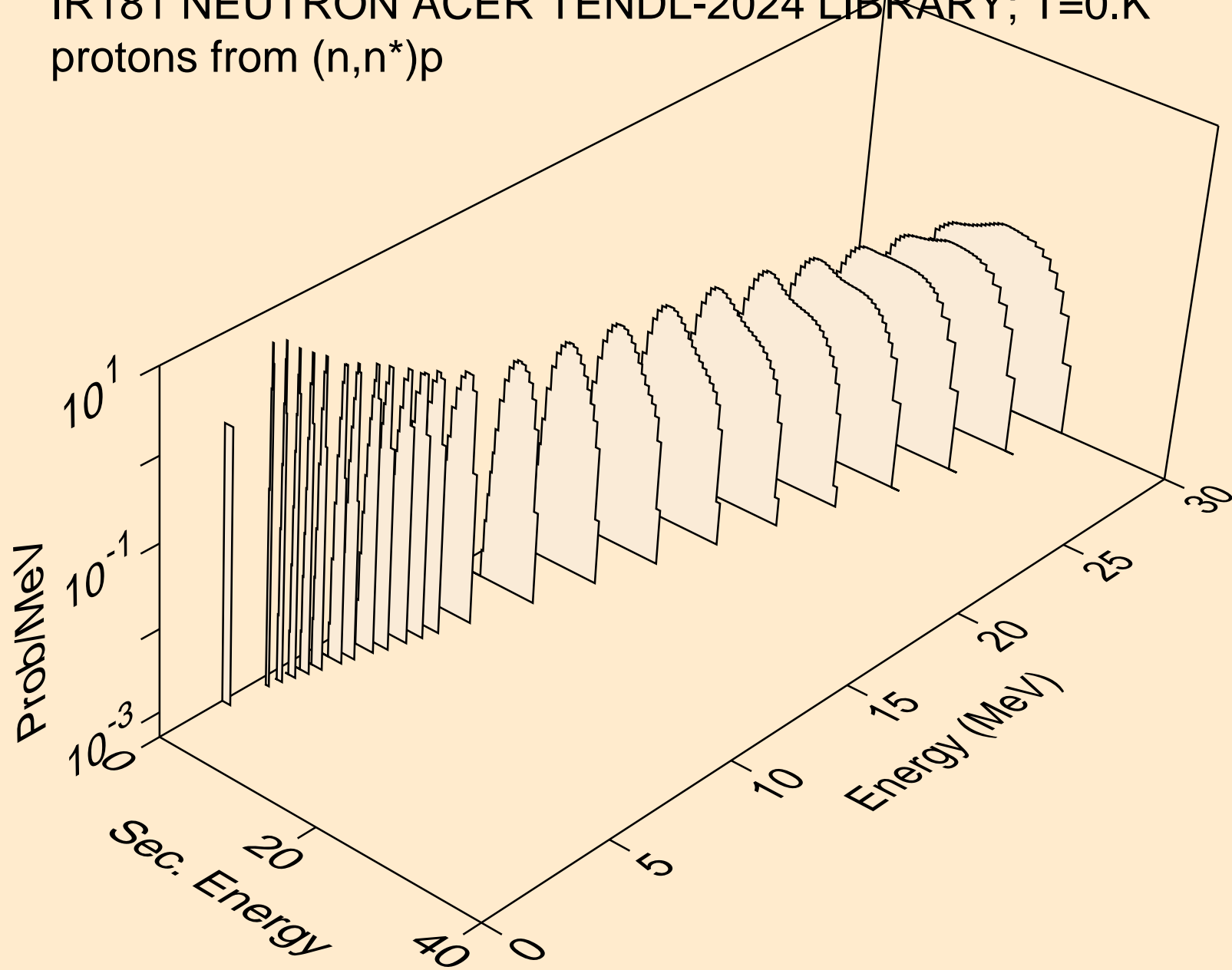


IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,x)

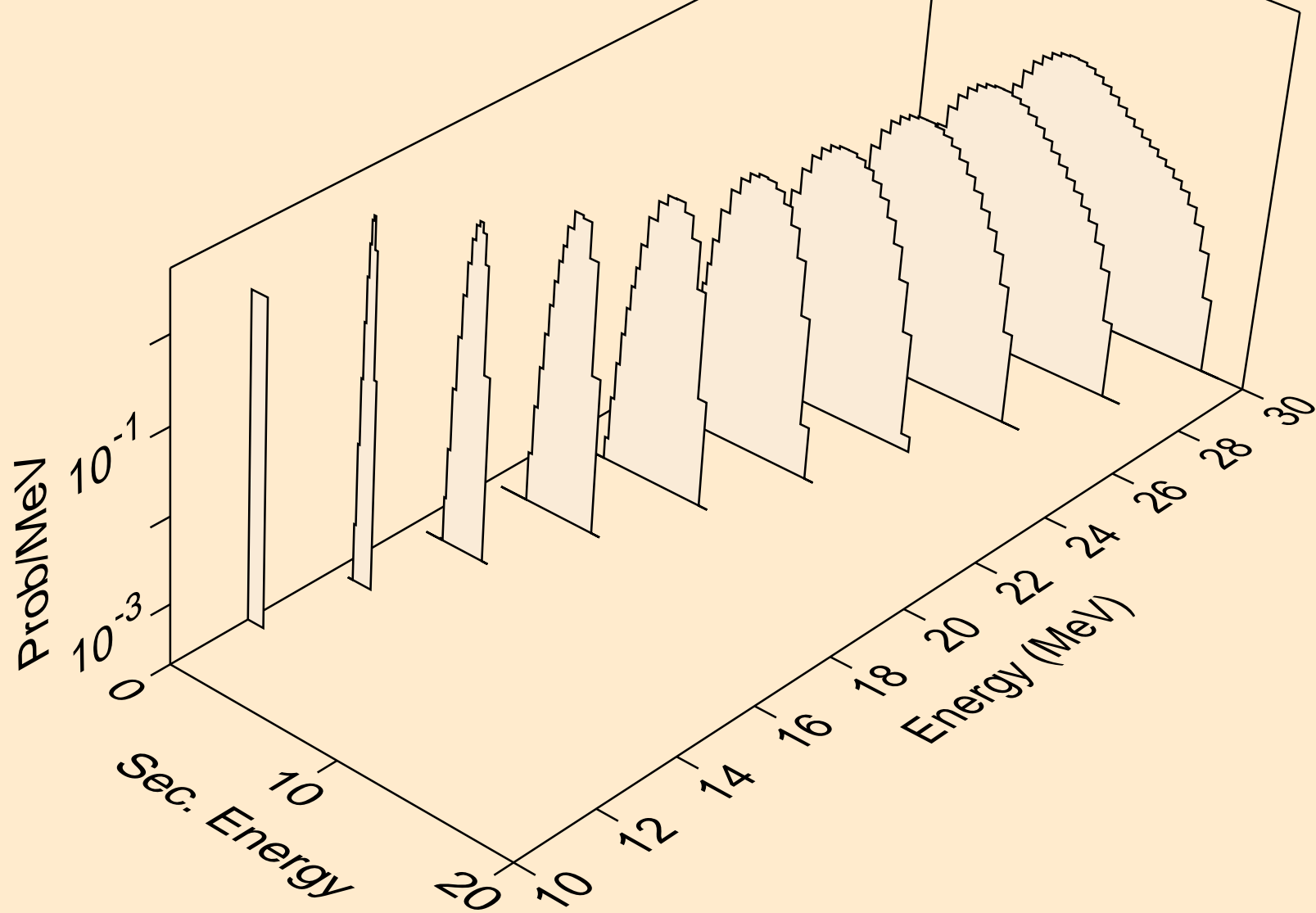




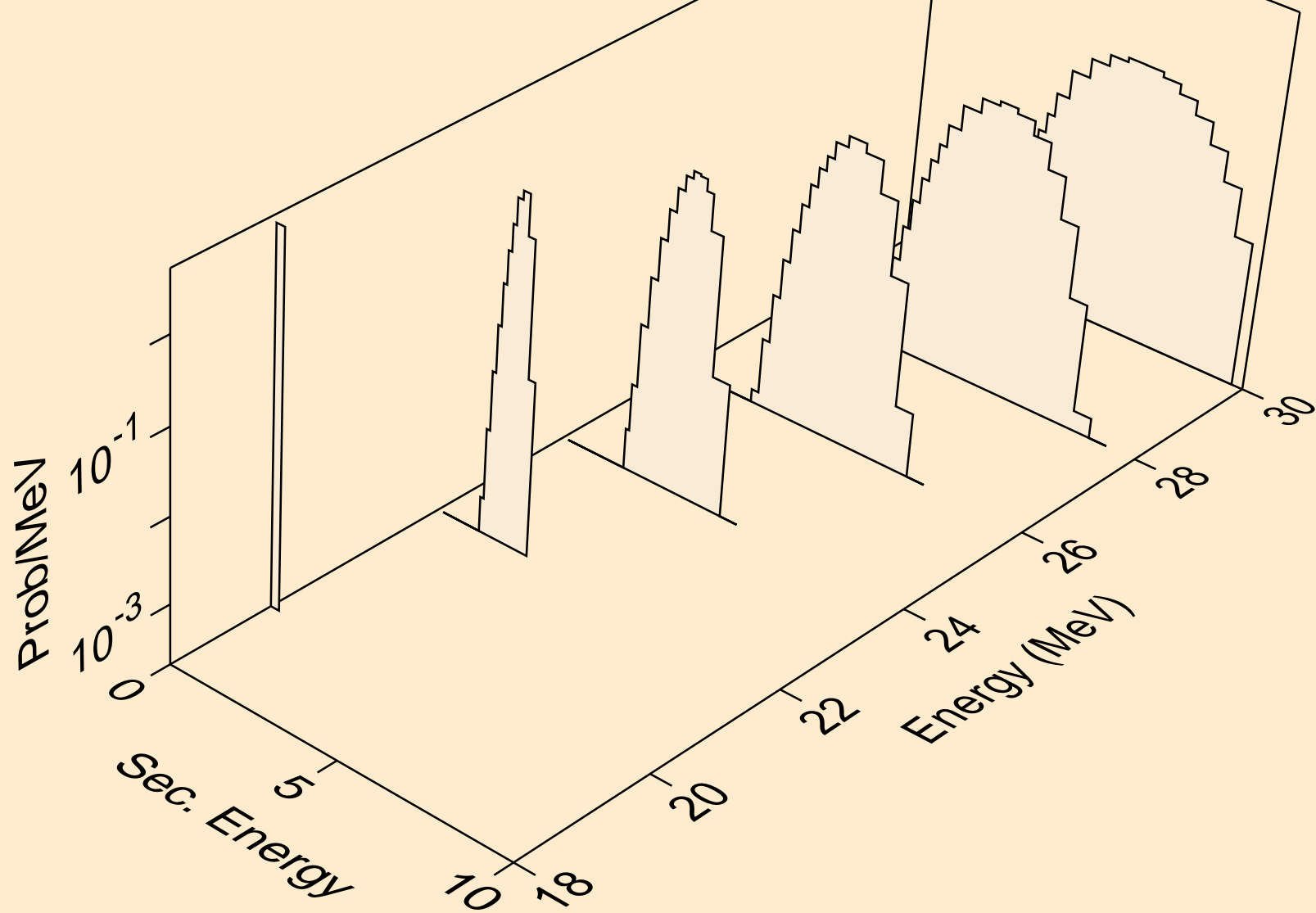
IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,n\*)p



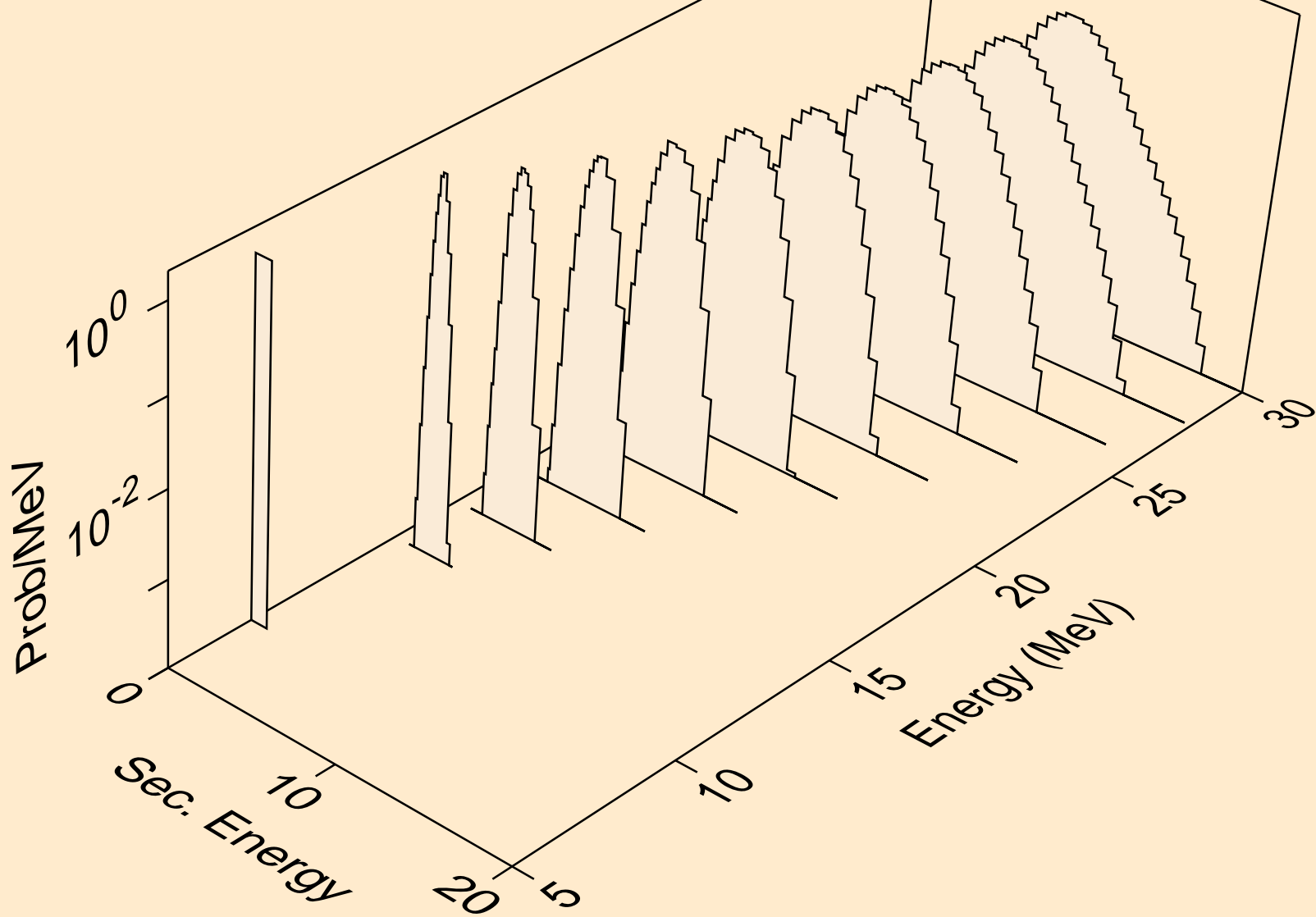
IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,2np)



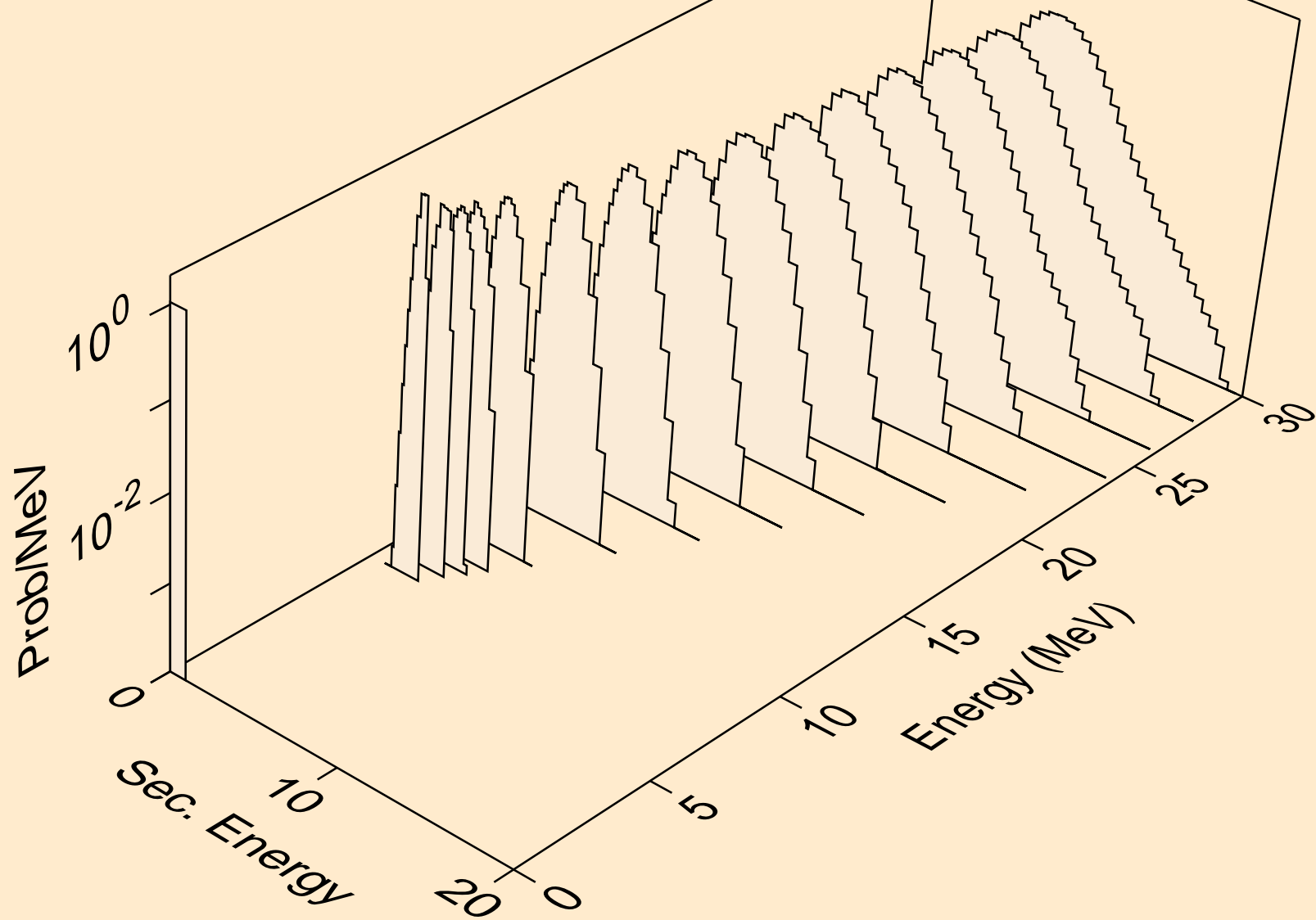
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protons from (n,3np)



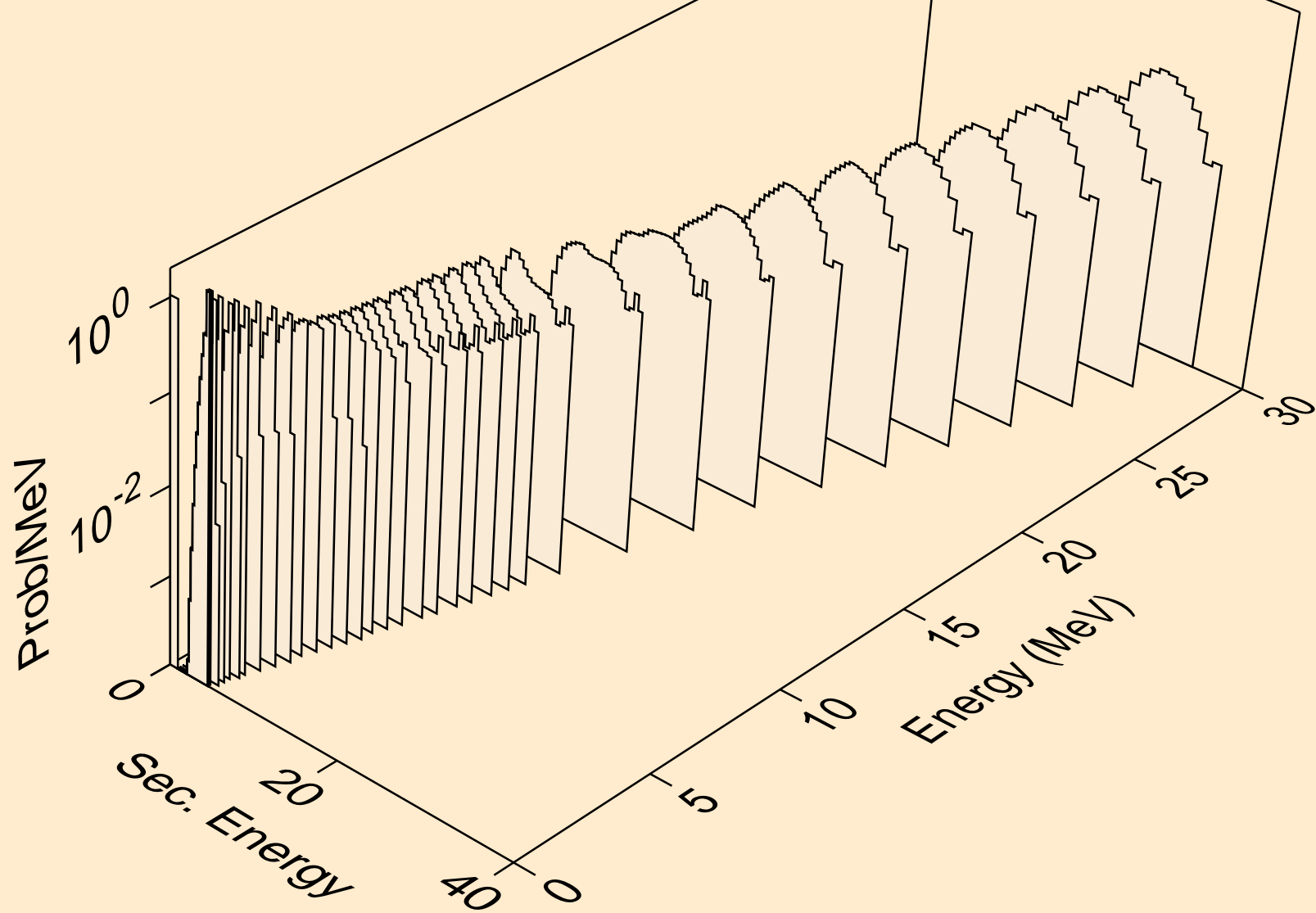
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protons from (n,n2p)



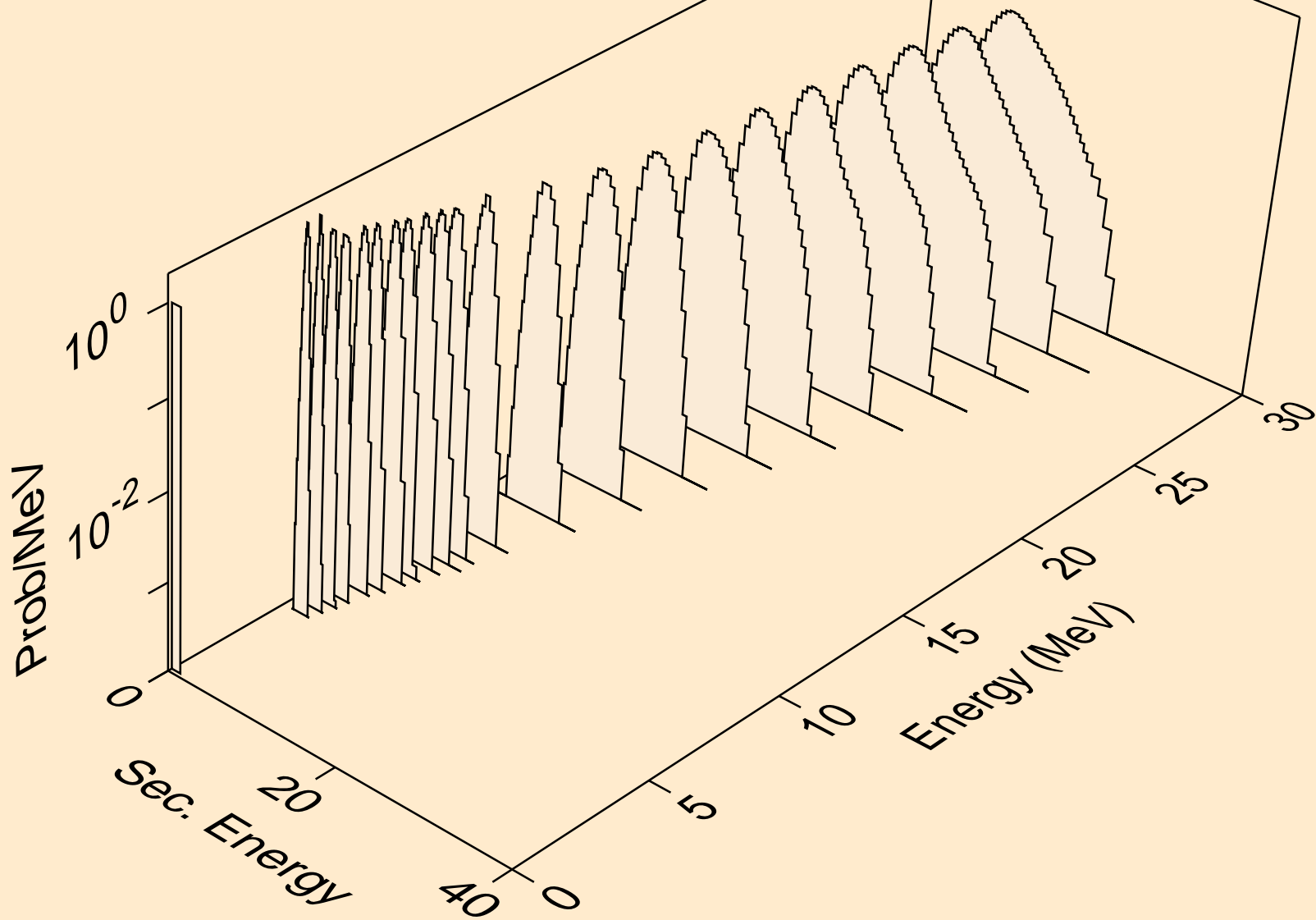
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protons from (n,npa)



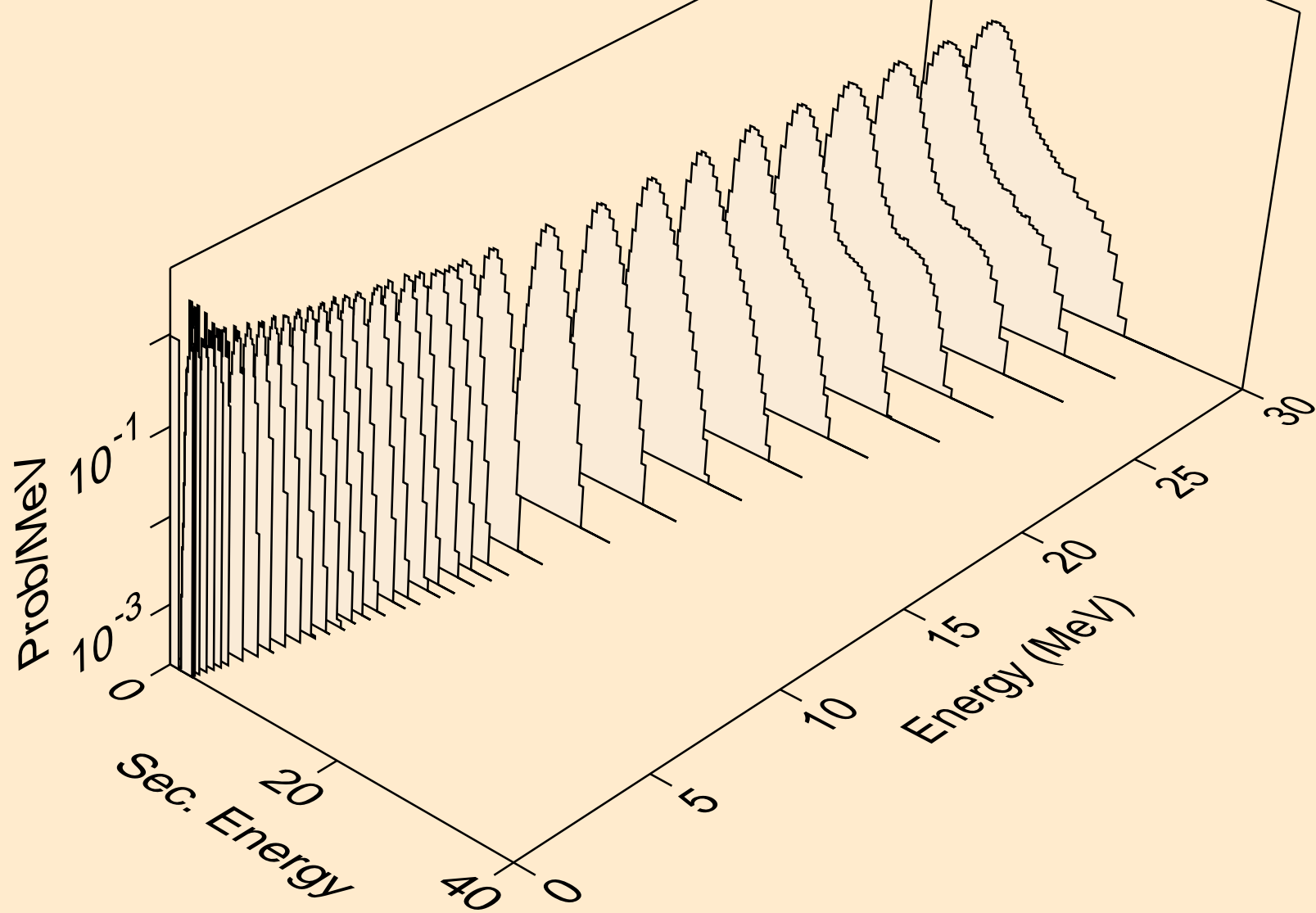
IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,p)



IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,2p)

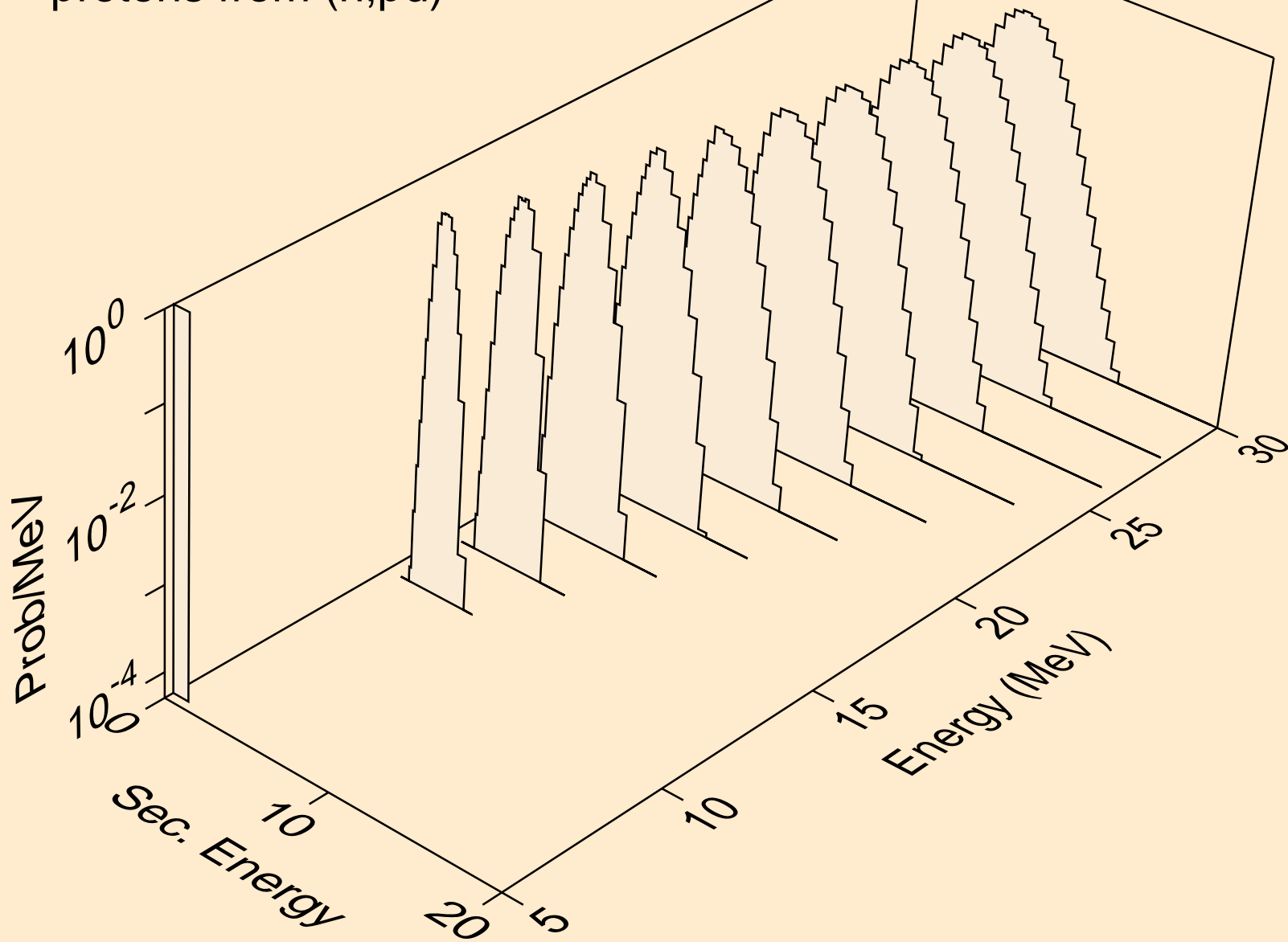


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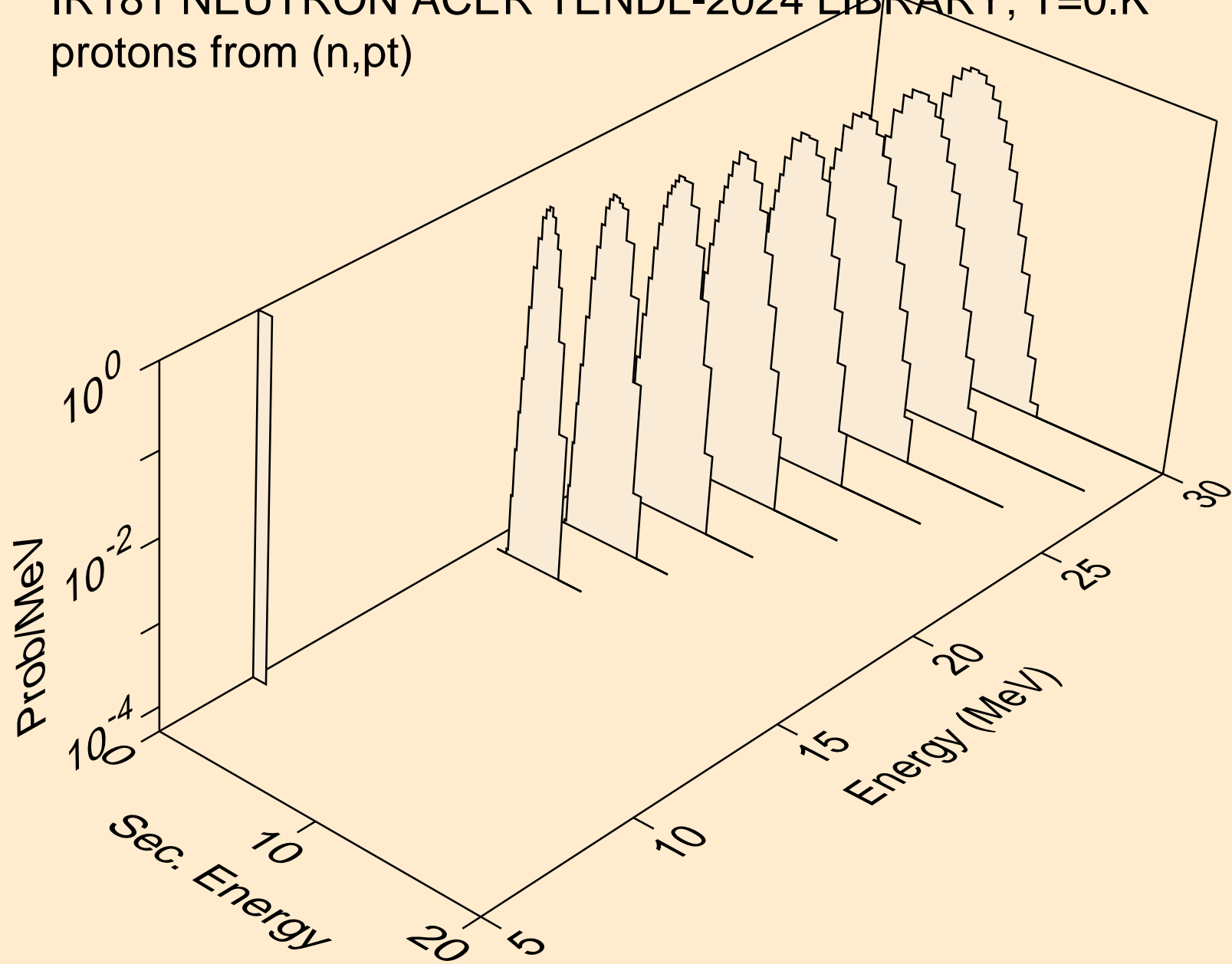




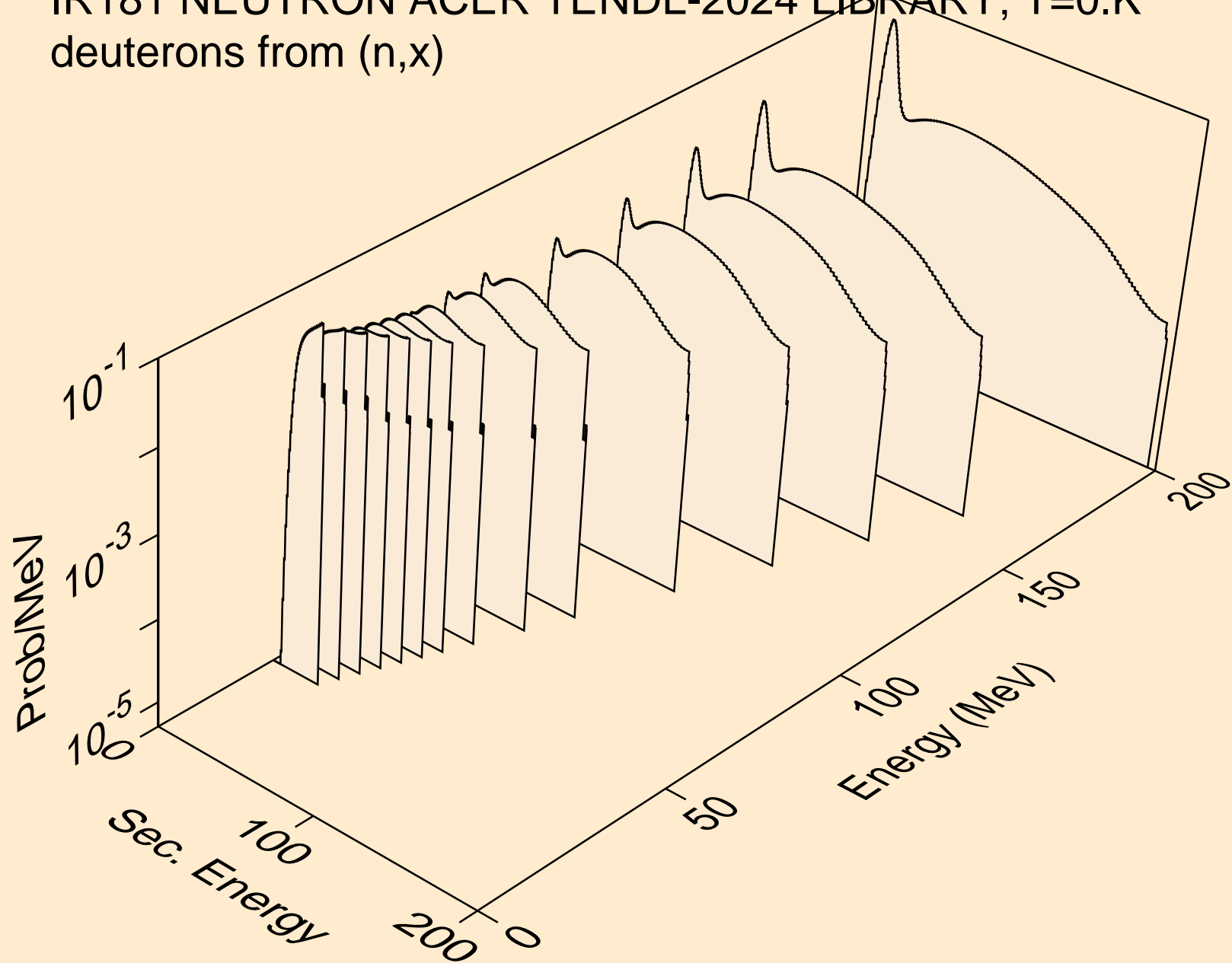
IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,pd)



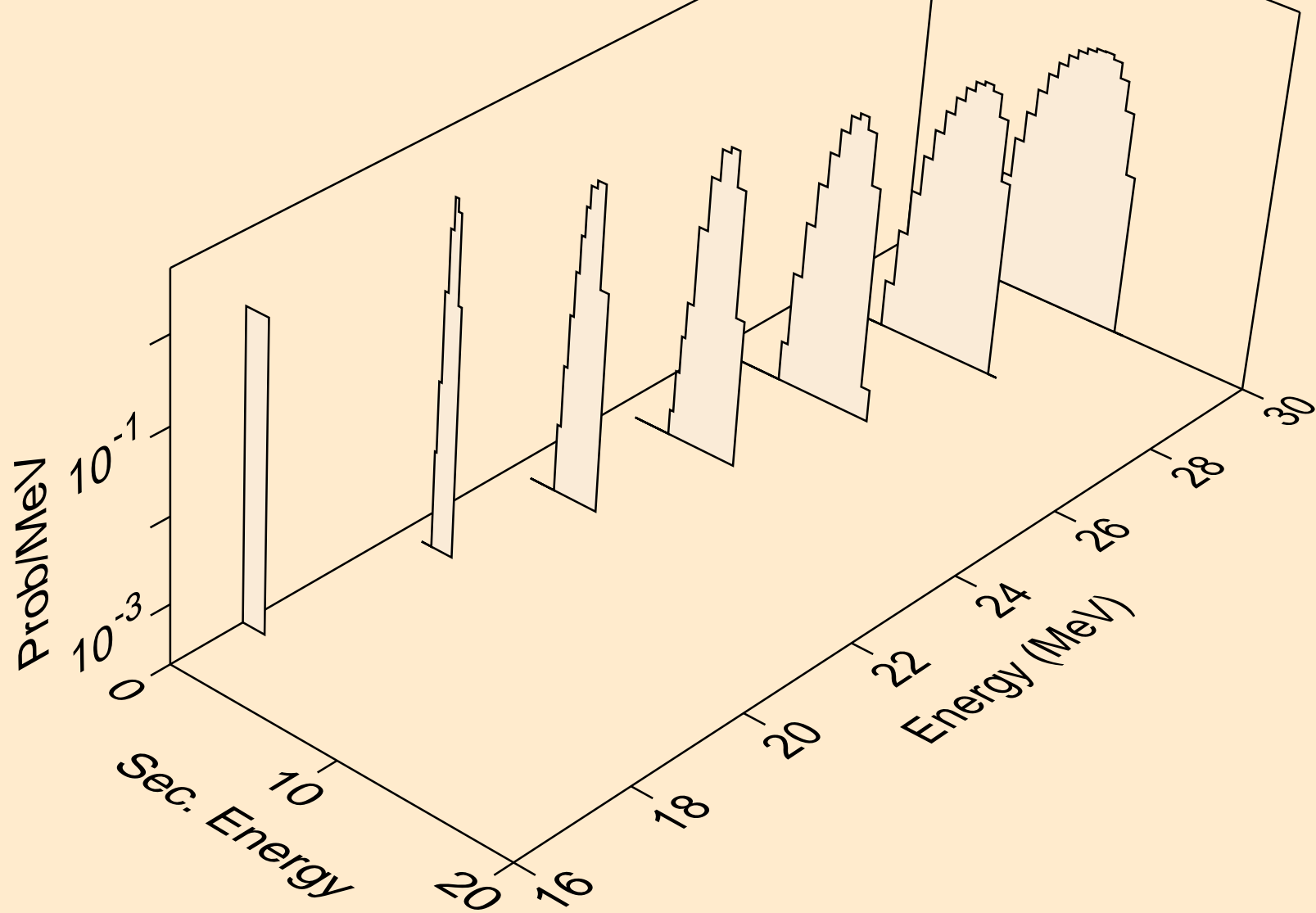
IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,pt)



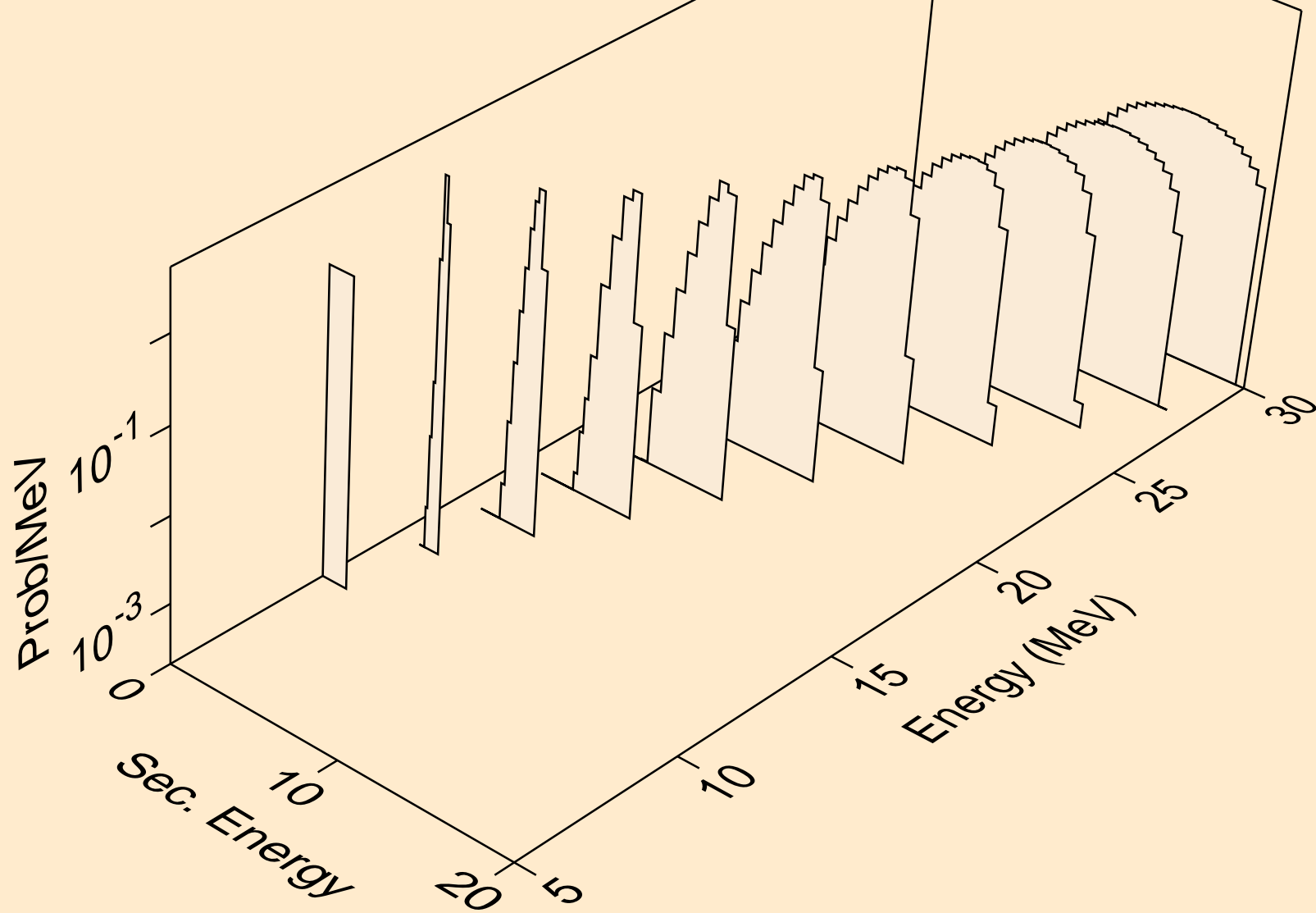
IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,x)



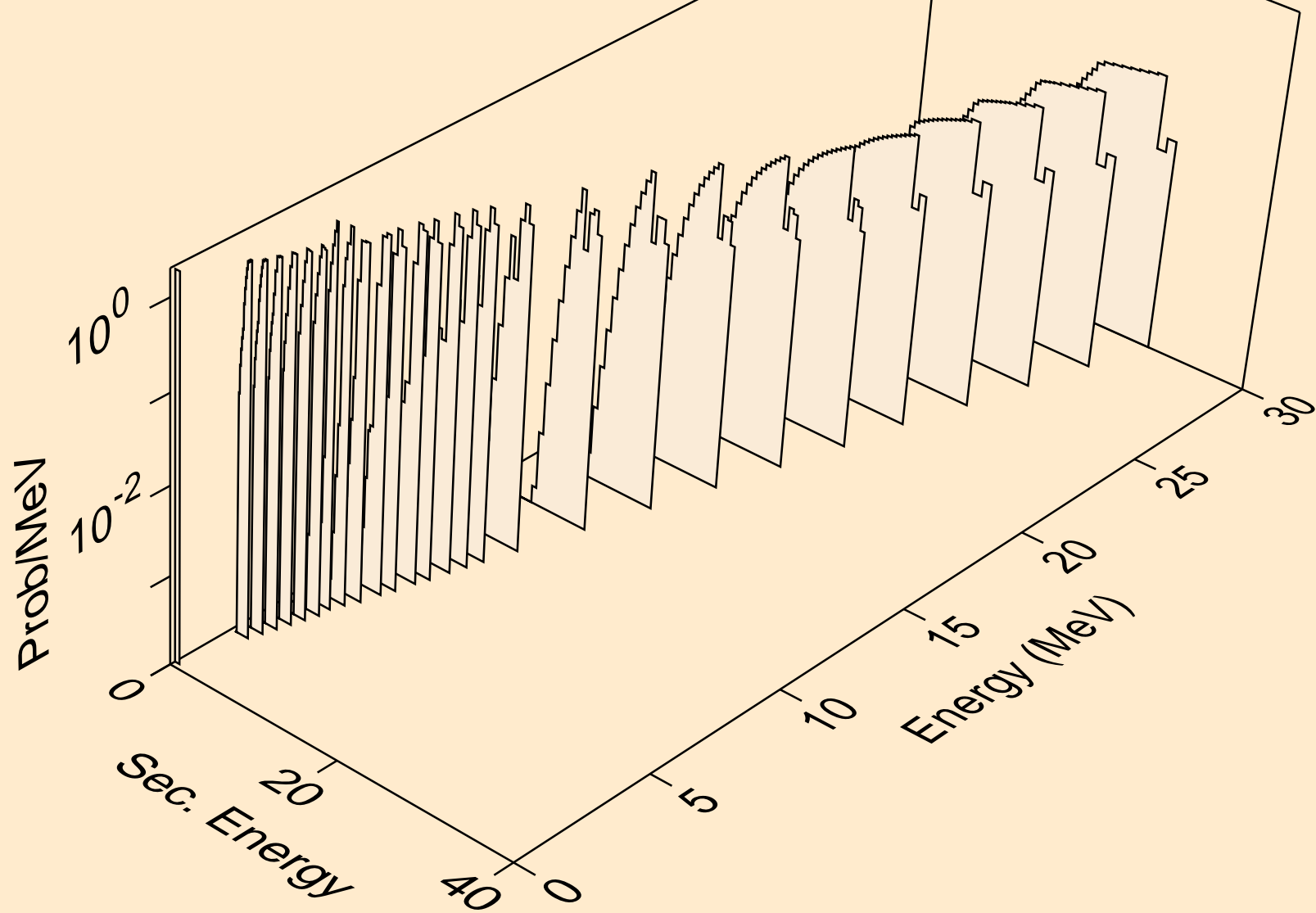
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deuterons from (n,2nd)



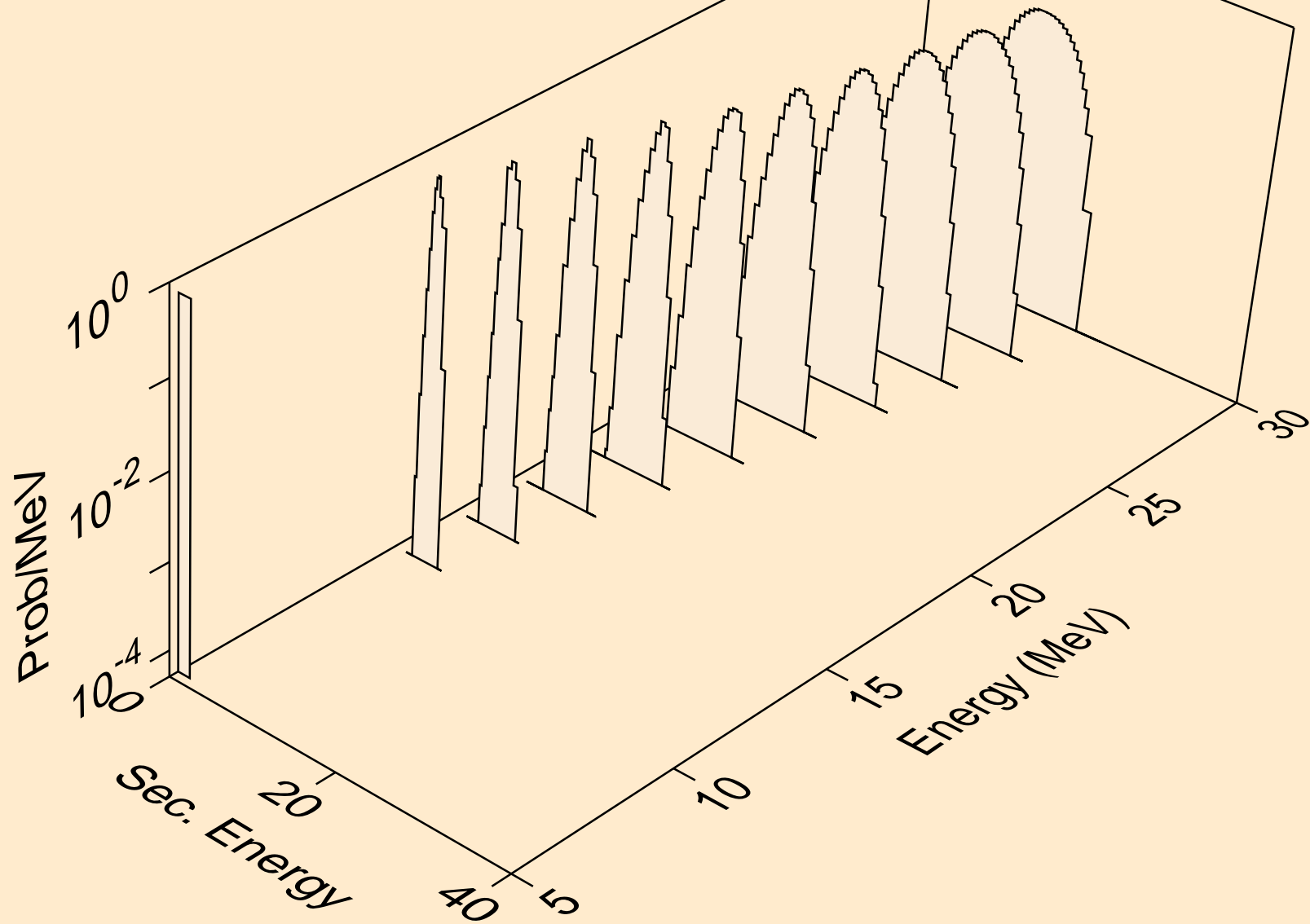
IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,n\*)d



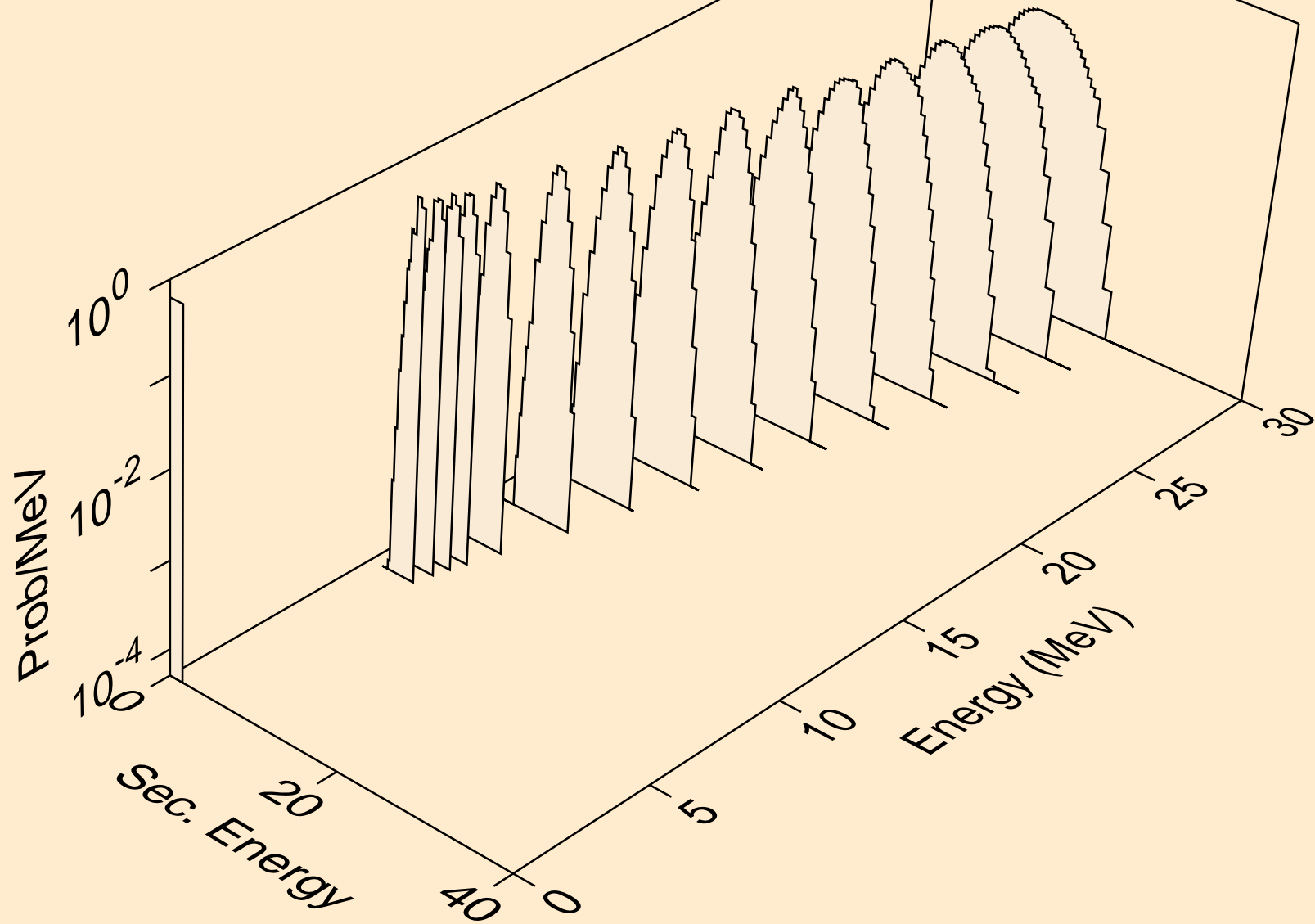
IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,d)



IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,pd)

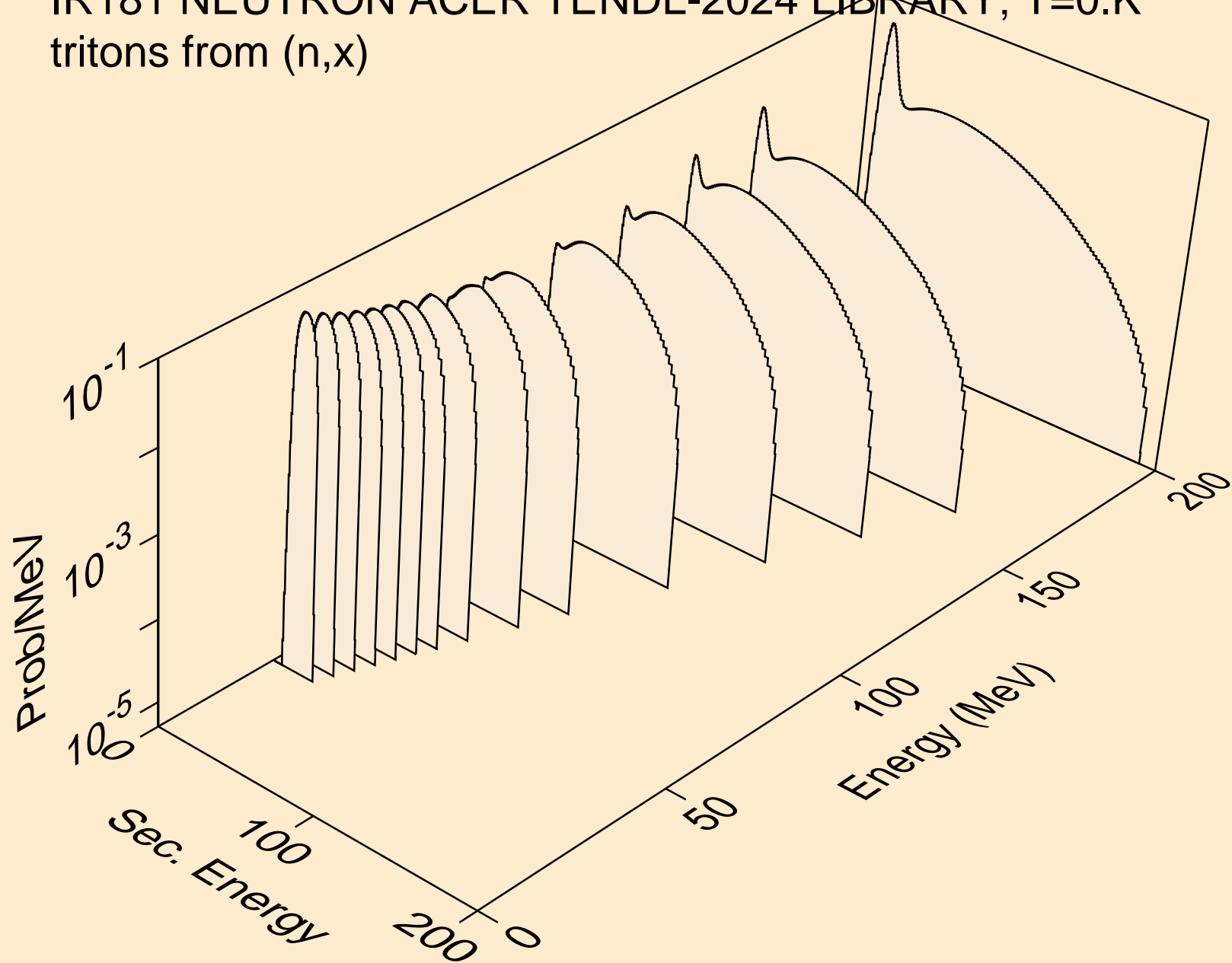


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deuterons from (n,da)

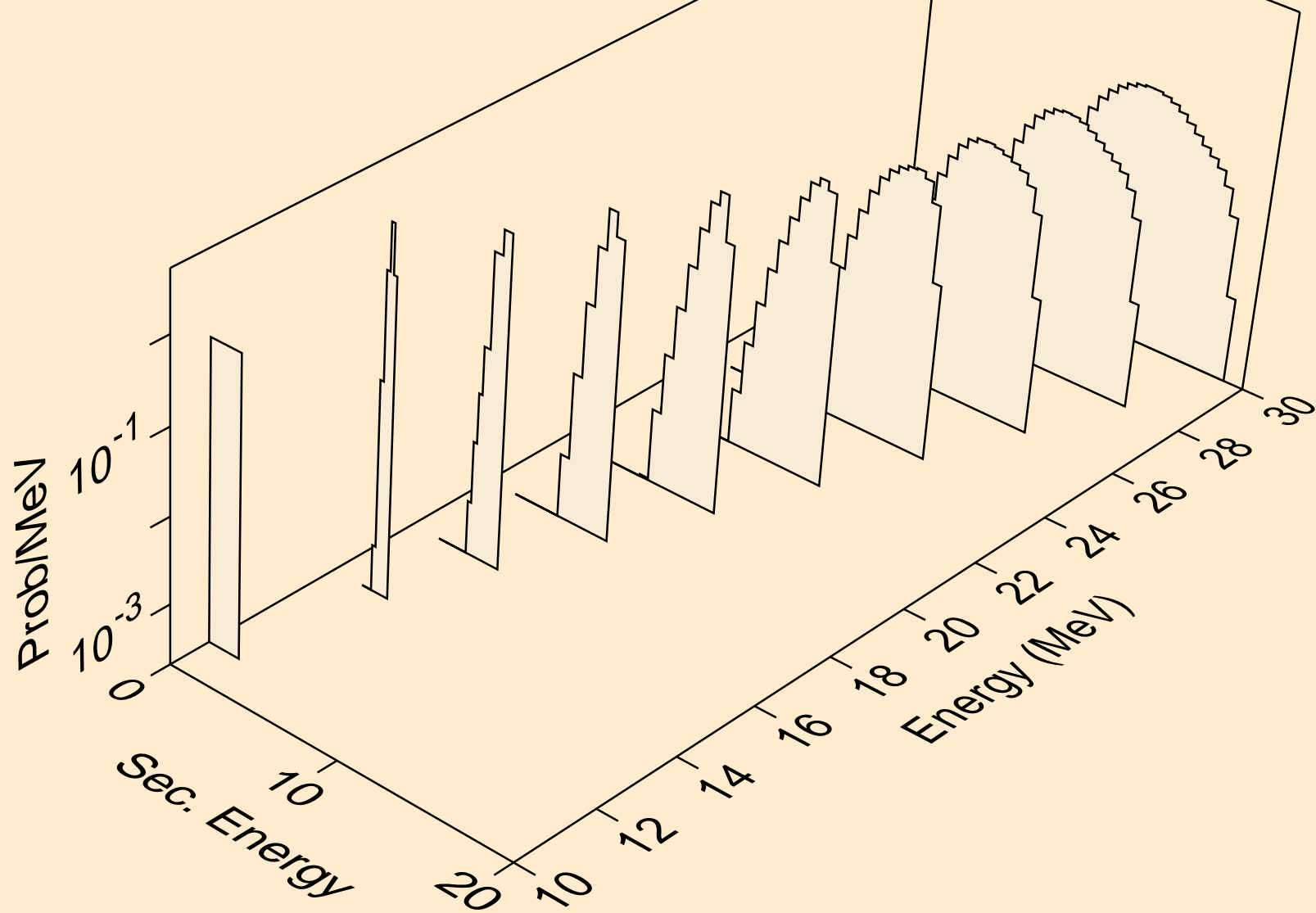




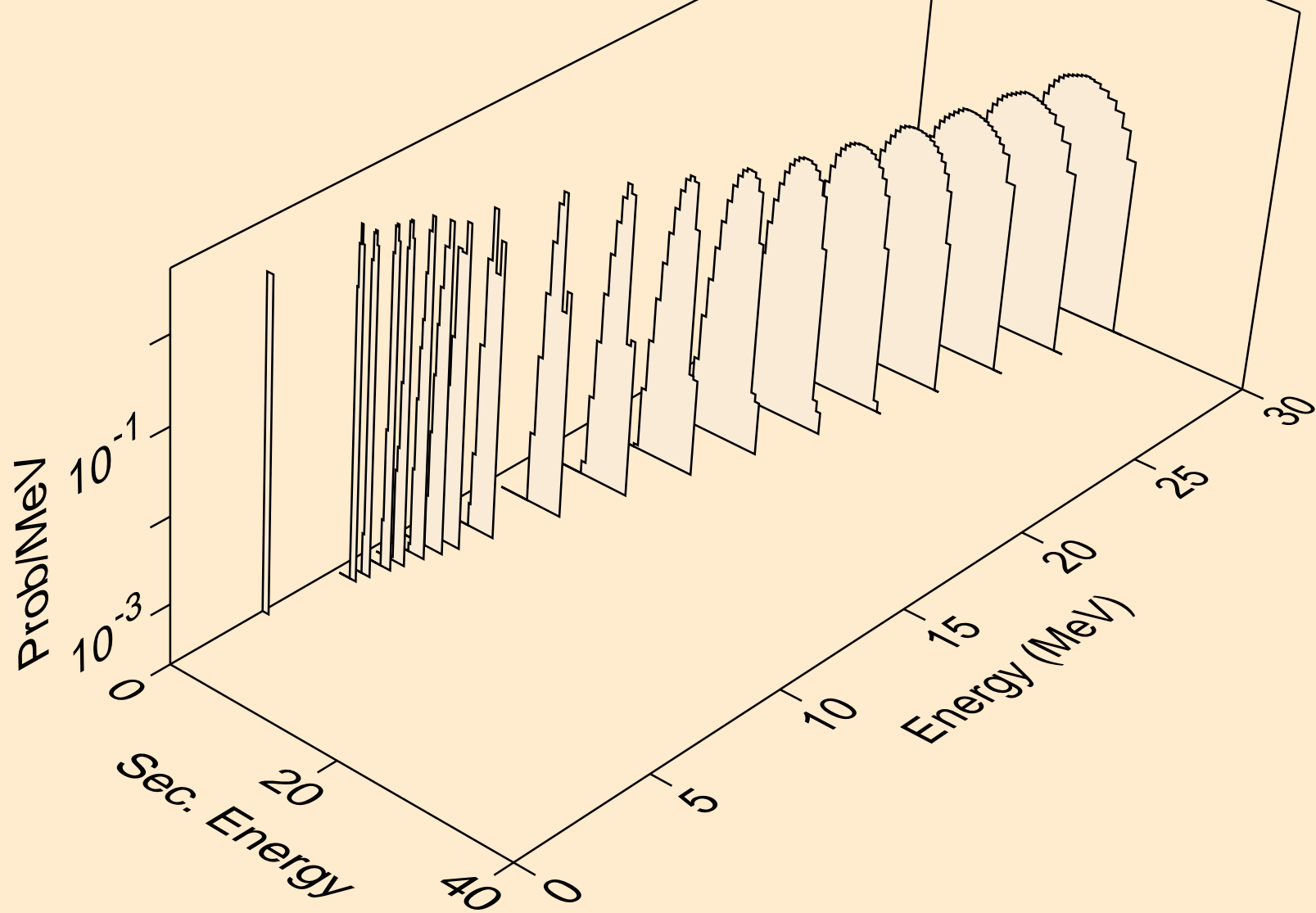
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tritons from (n,x)



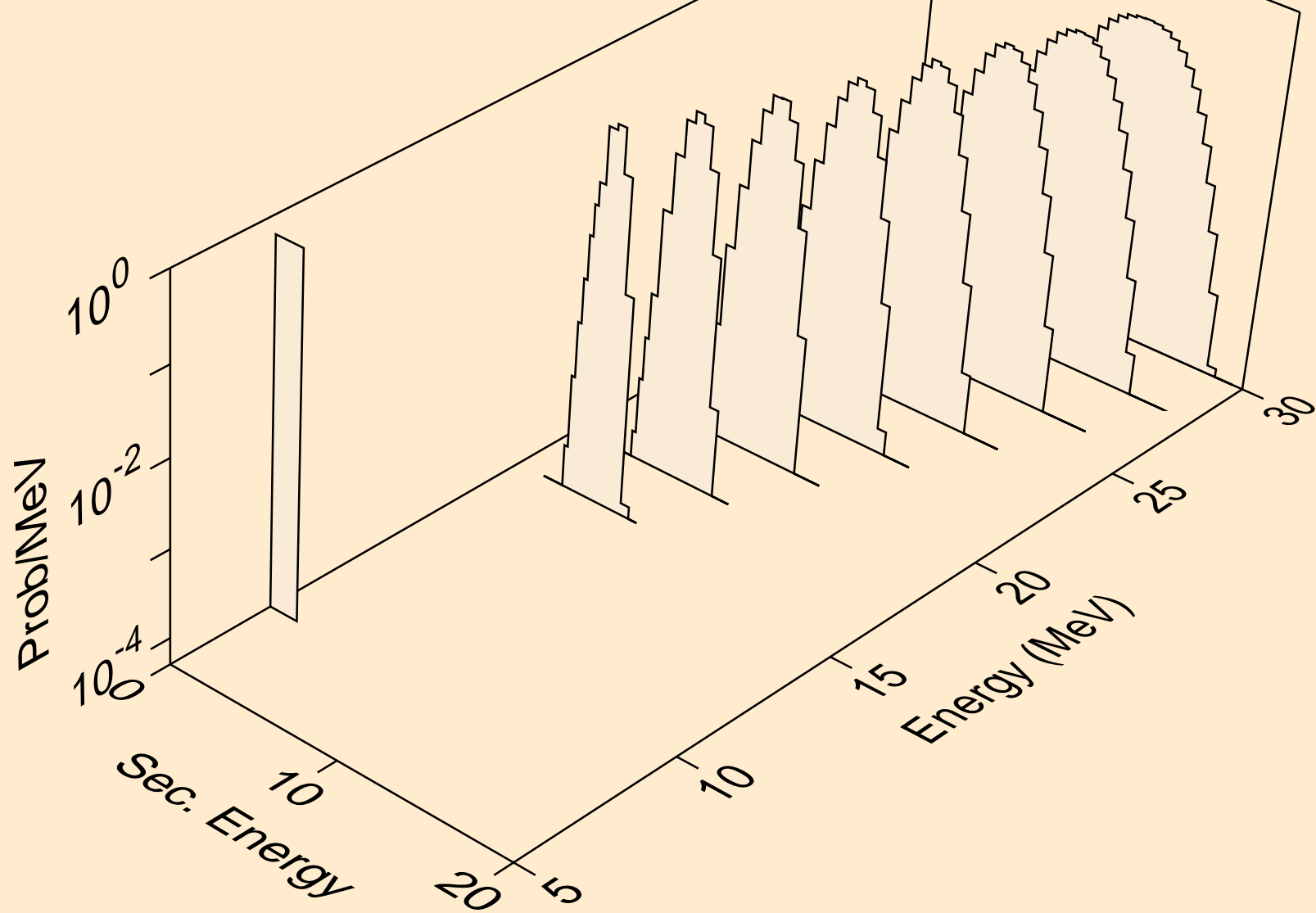
IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,n\*)t



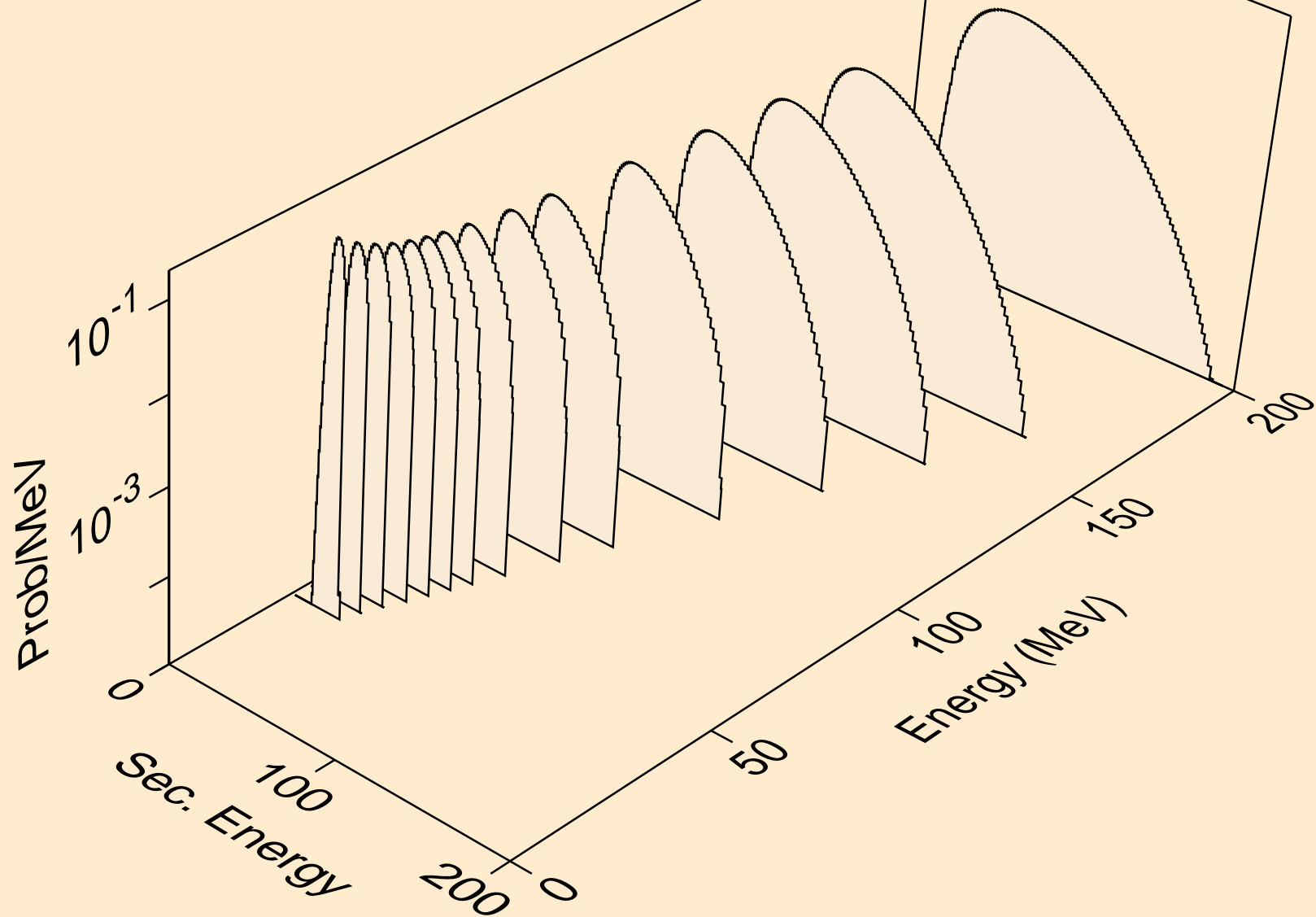
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tritons from (n,t)



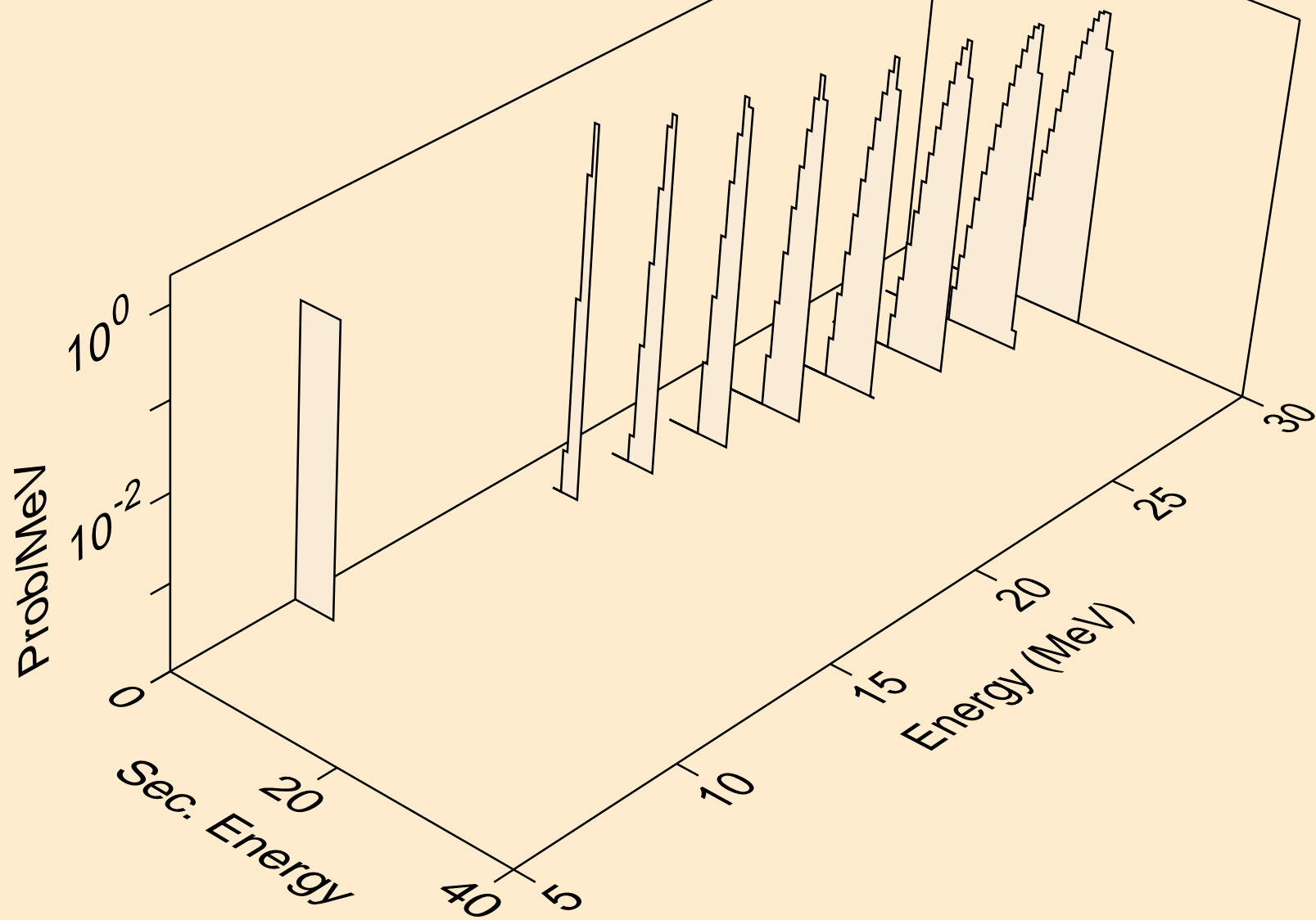
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tritons from (n,pt)



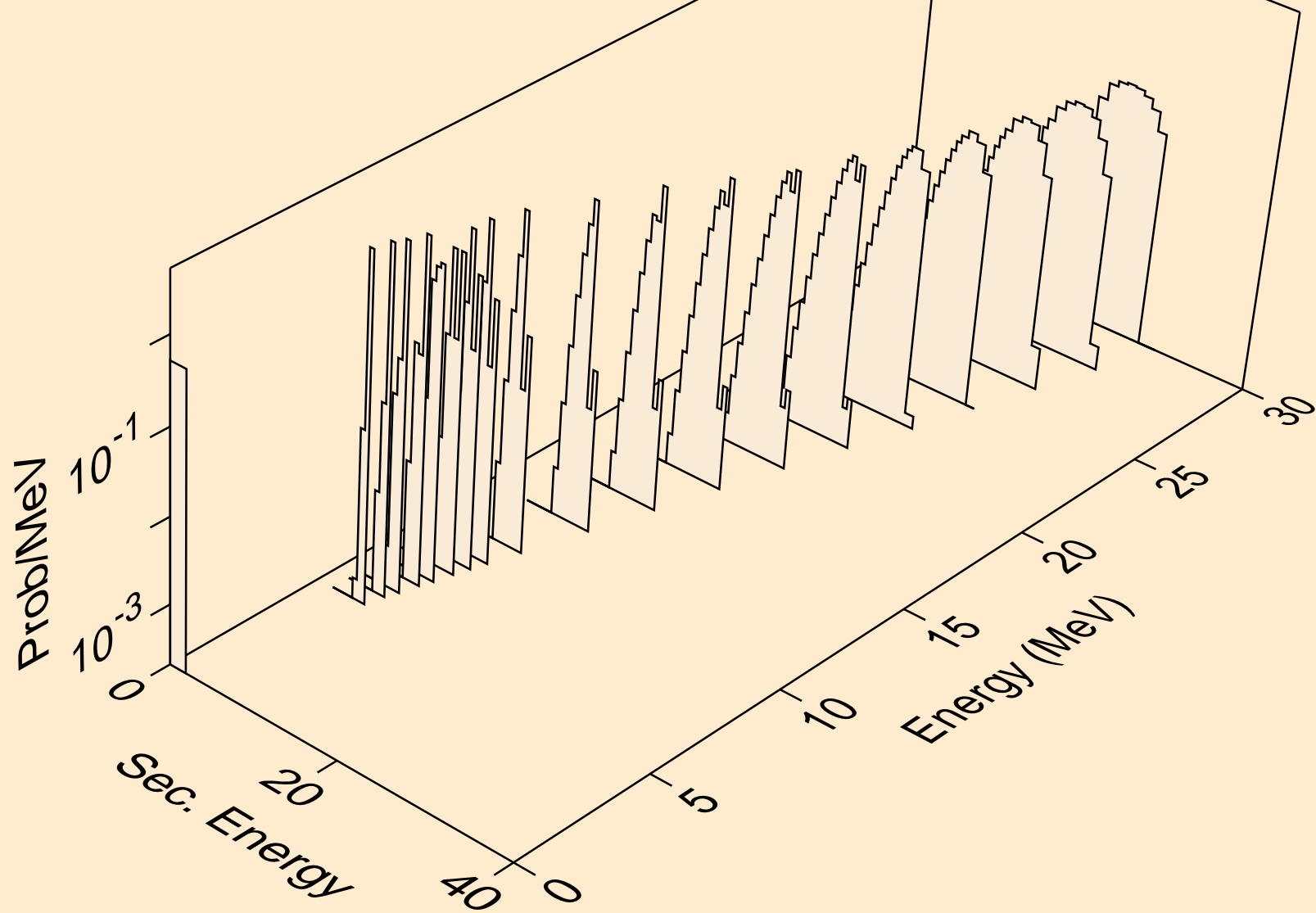
IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,x)



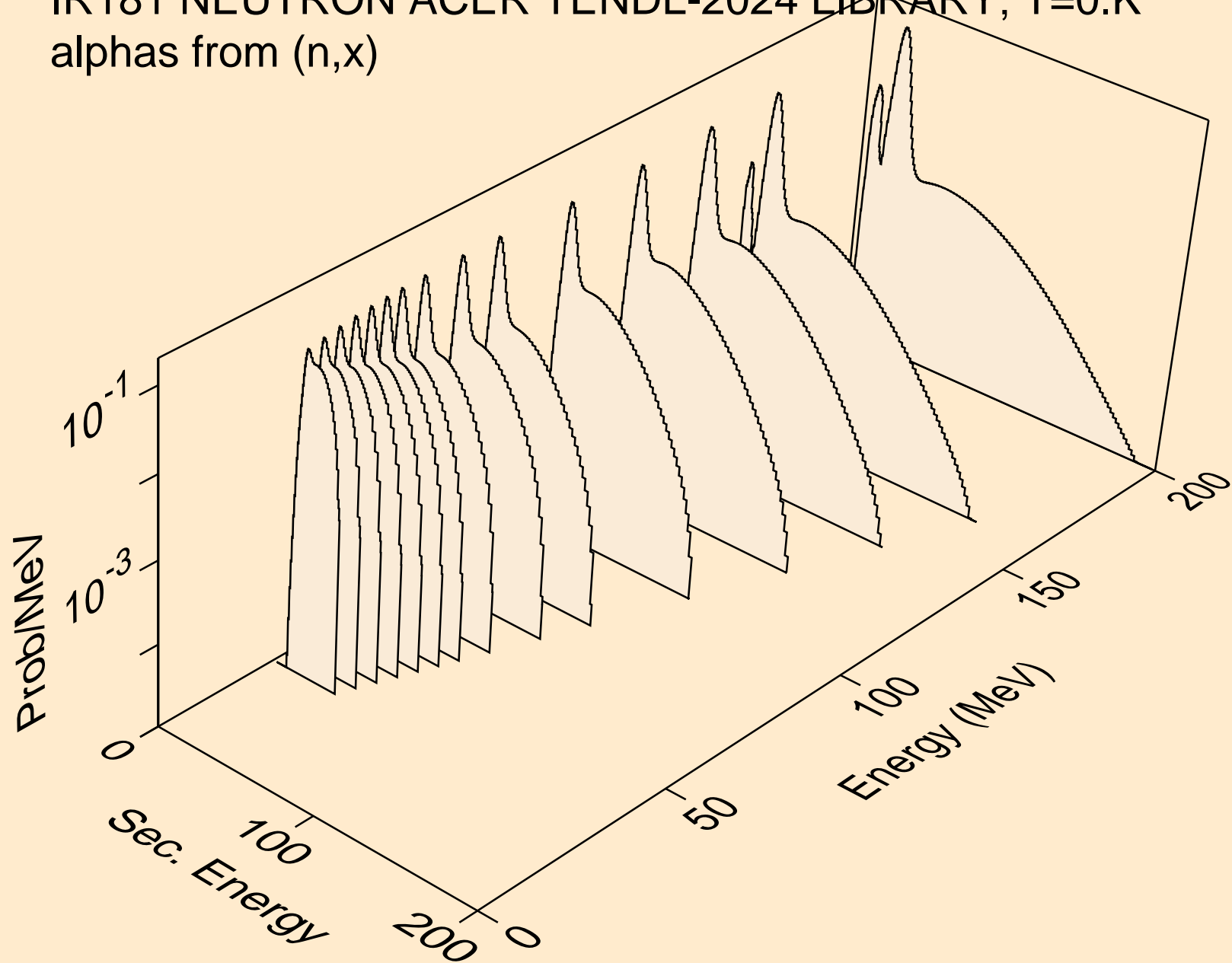
IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,n\*)he3



IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,he3)

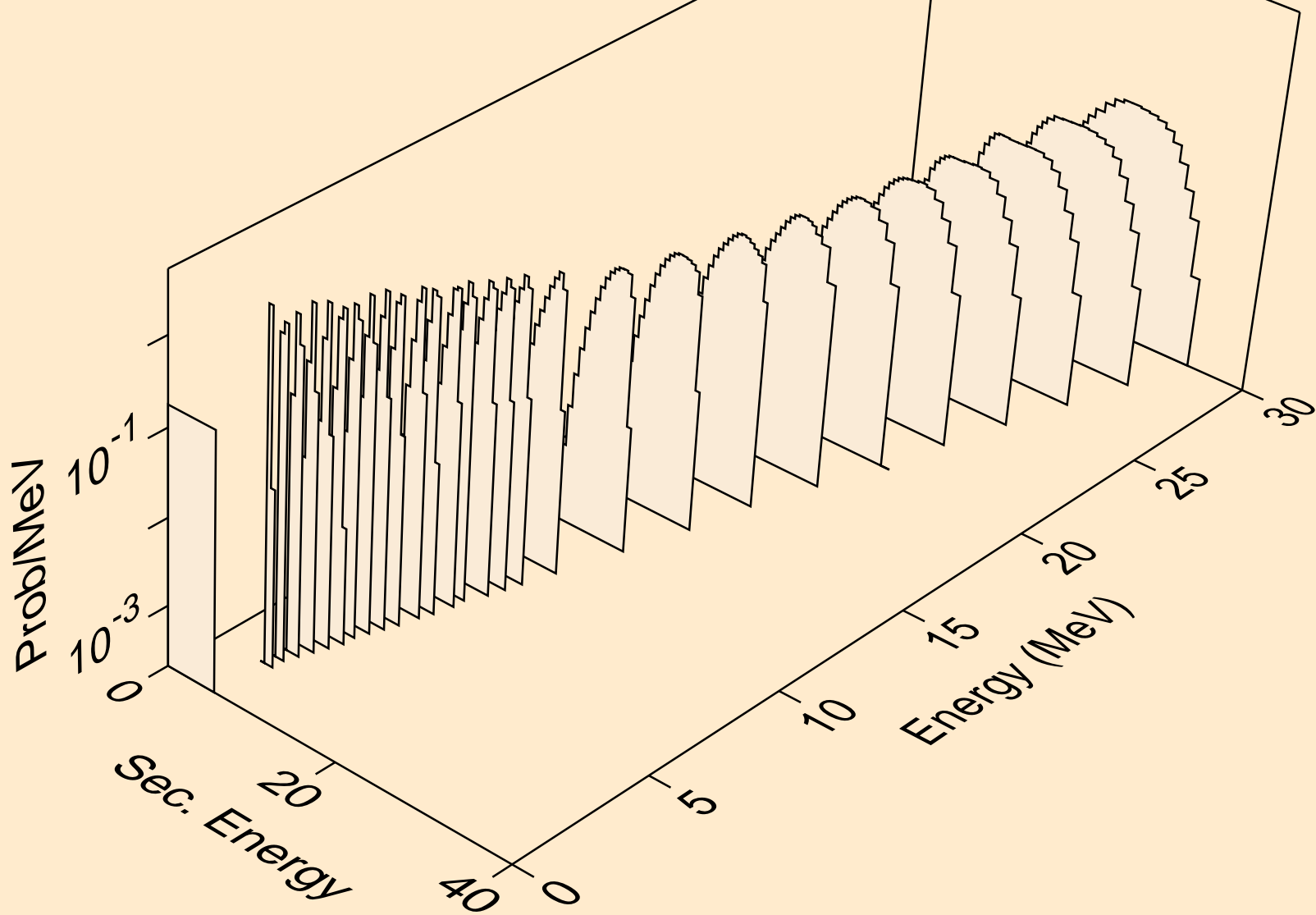


IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,x)

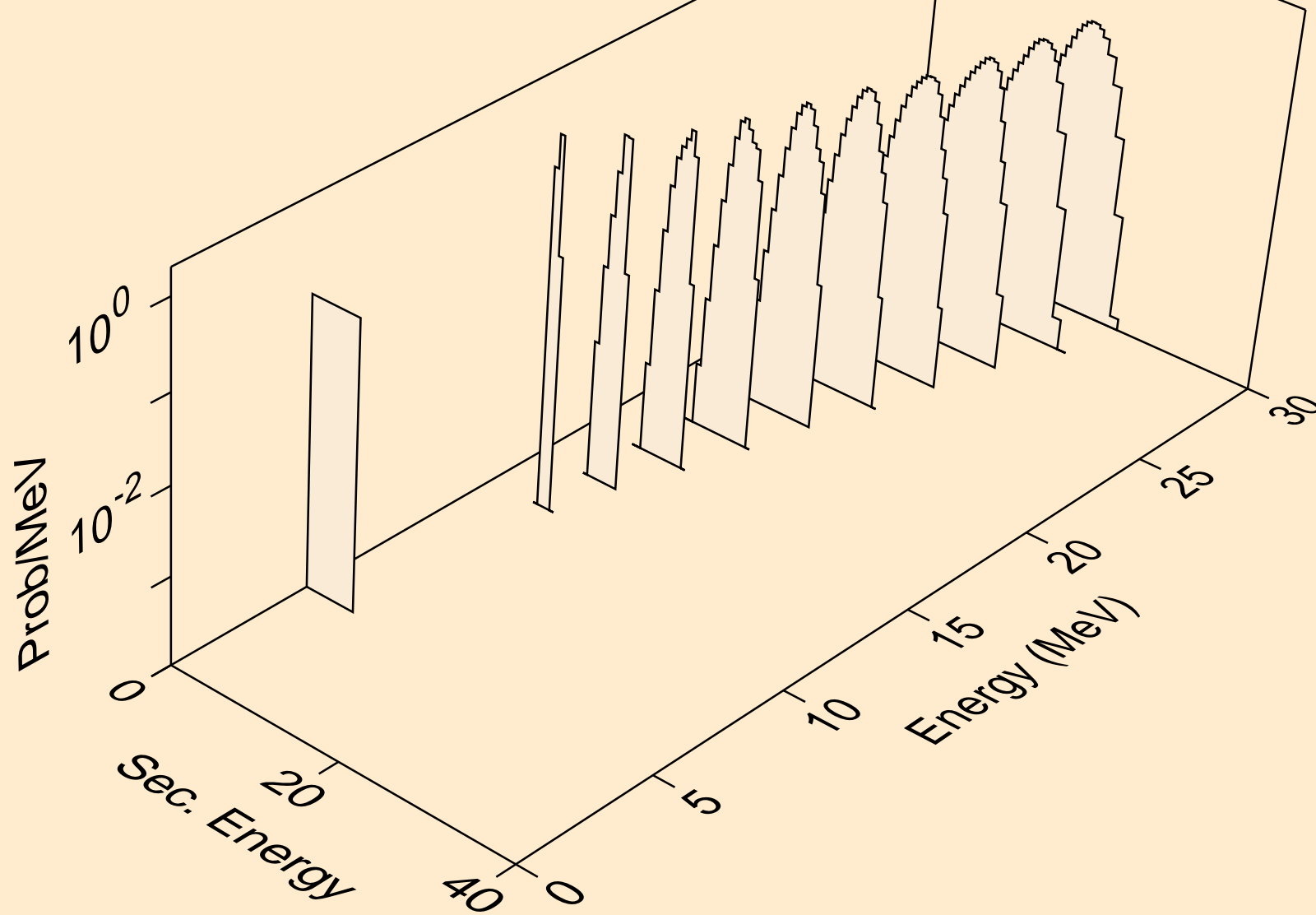




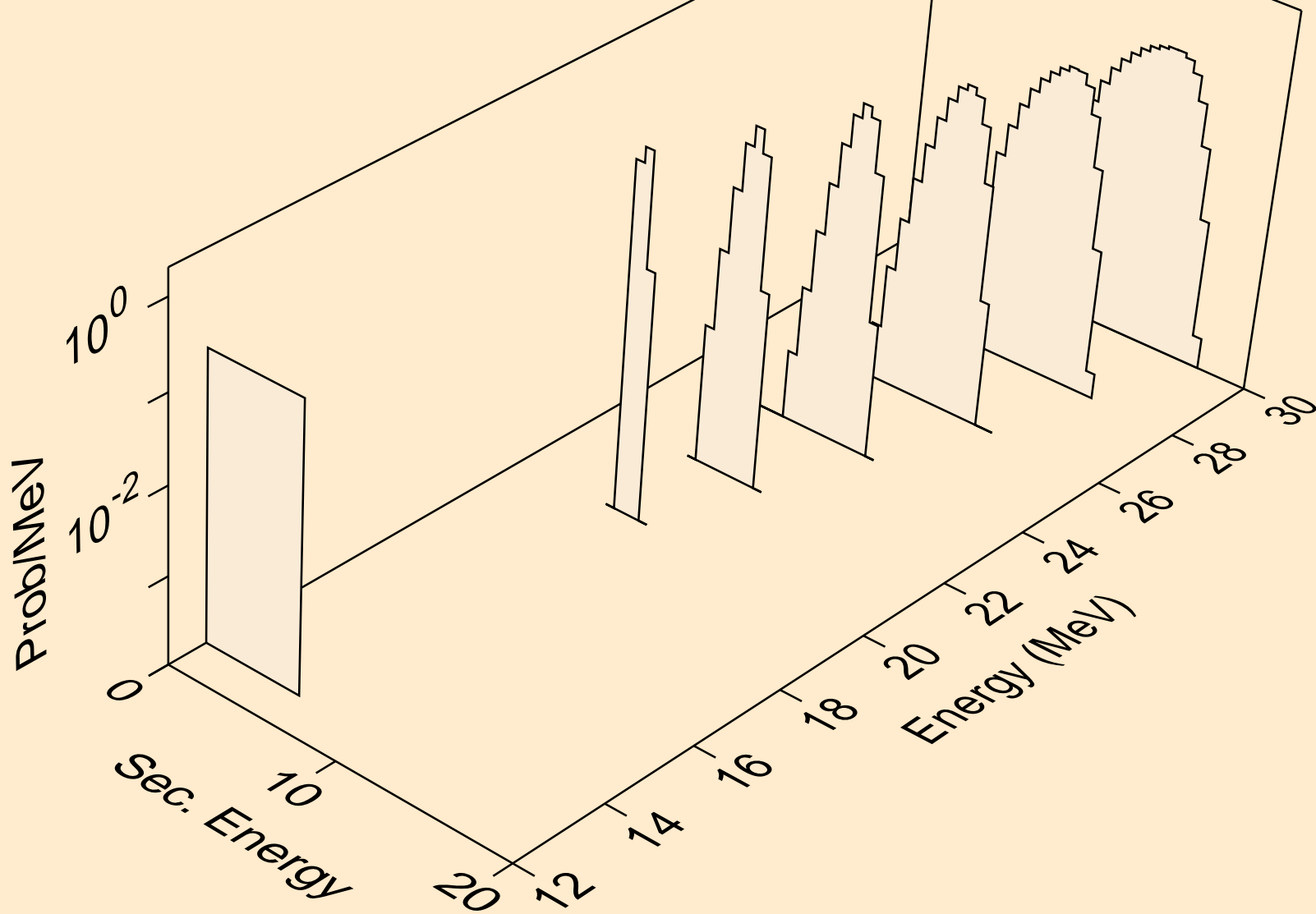
IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)a



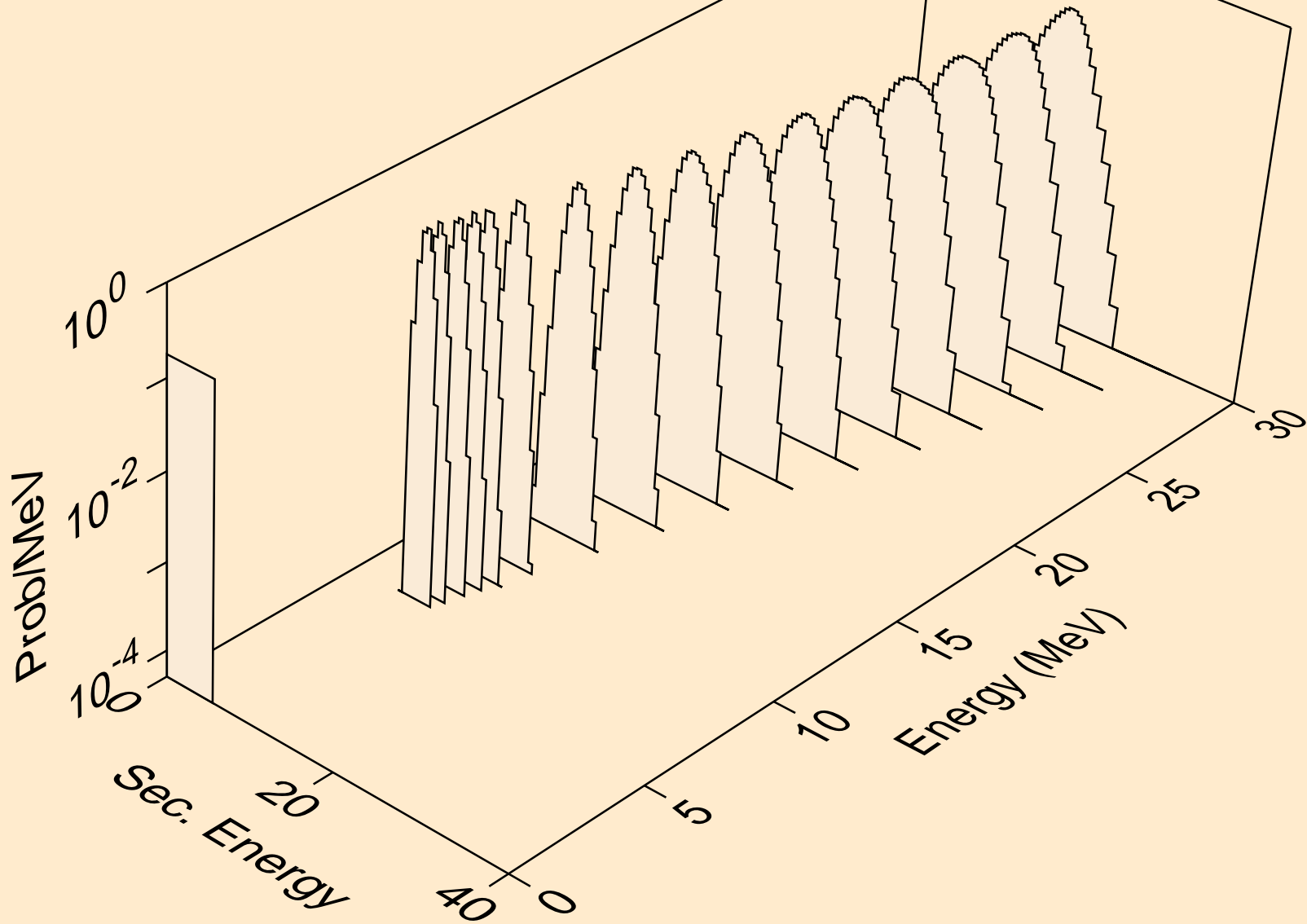
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alphas from (n,2n)a



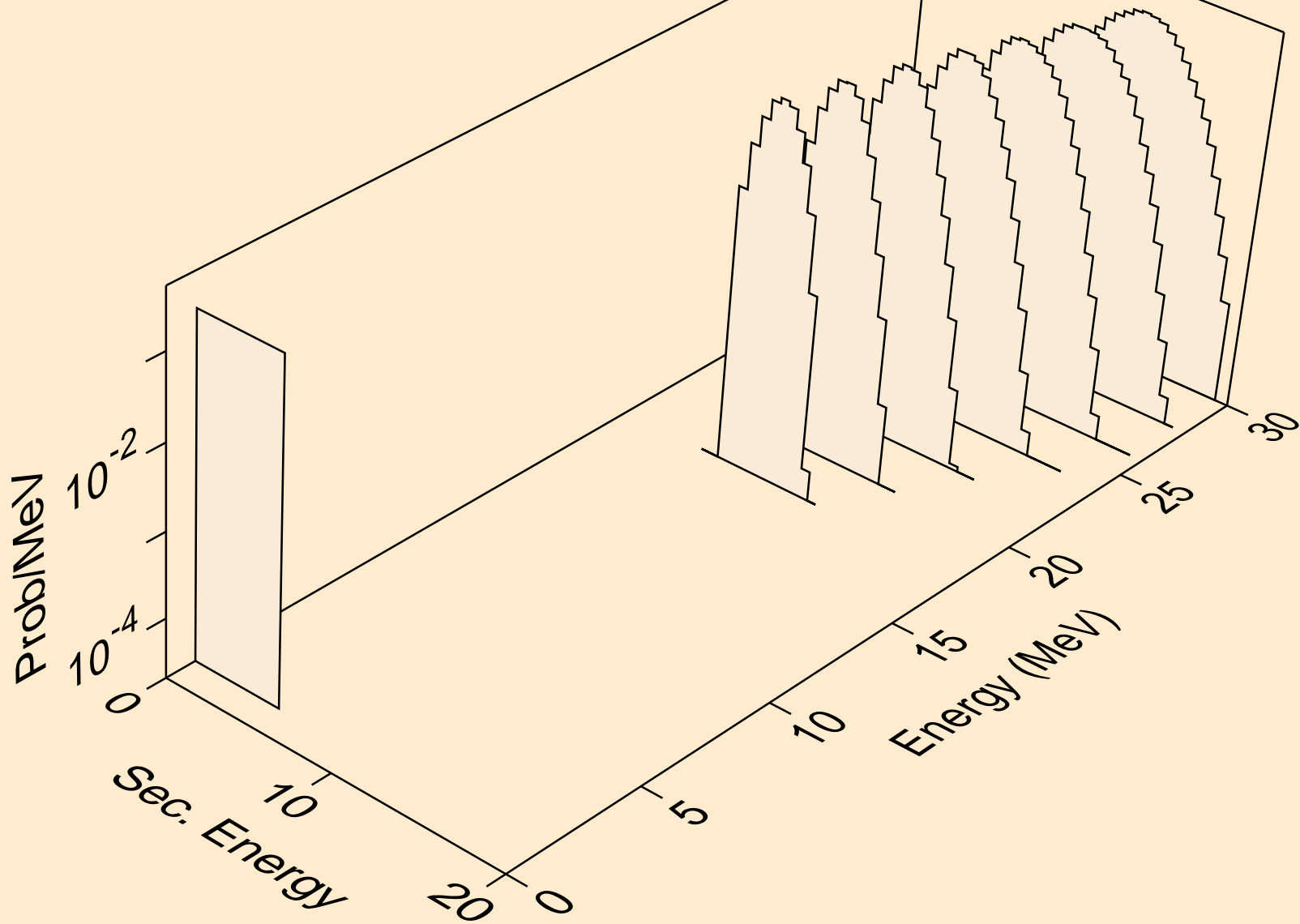
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alphas from (n,3n)a



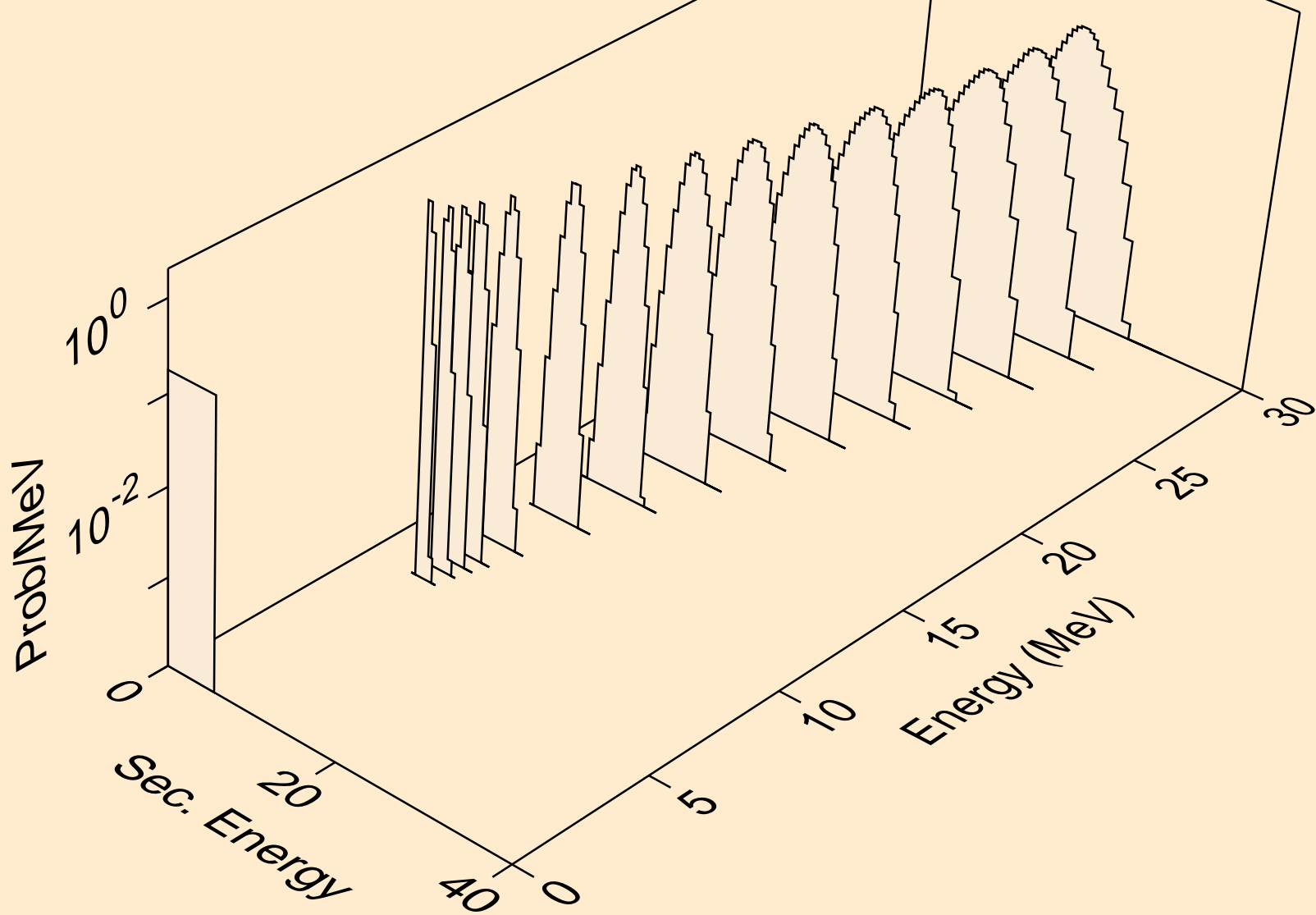
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alphas from (n,n\*)2a



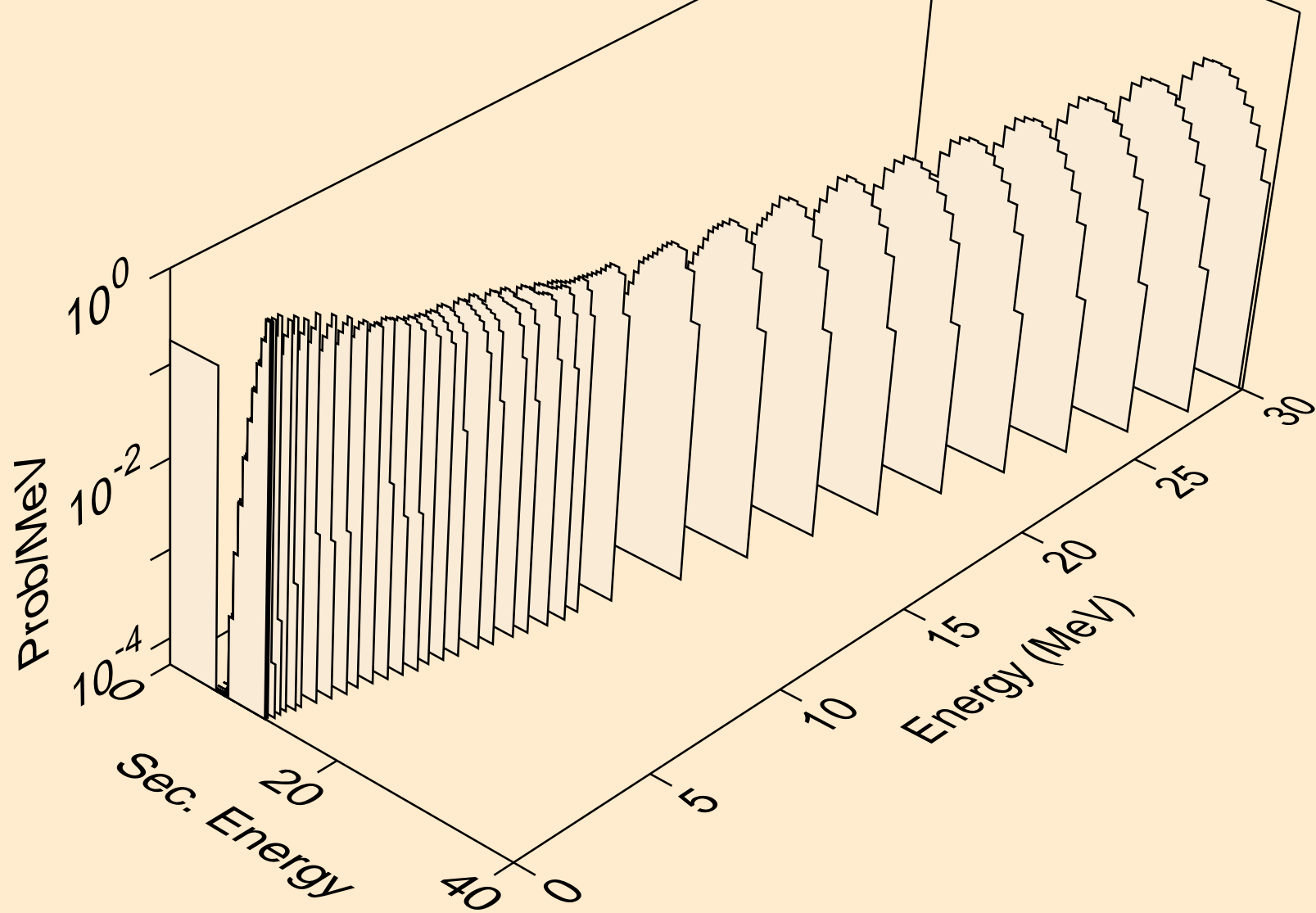
IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2n)2a



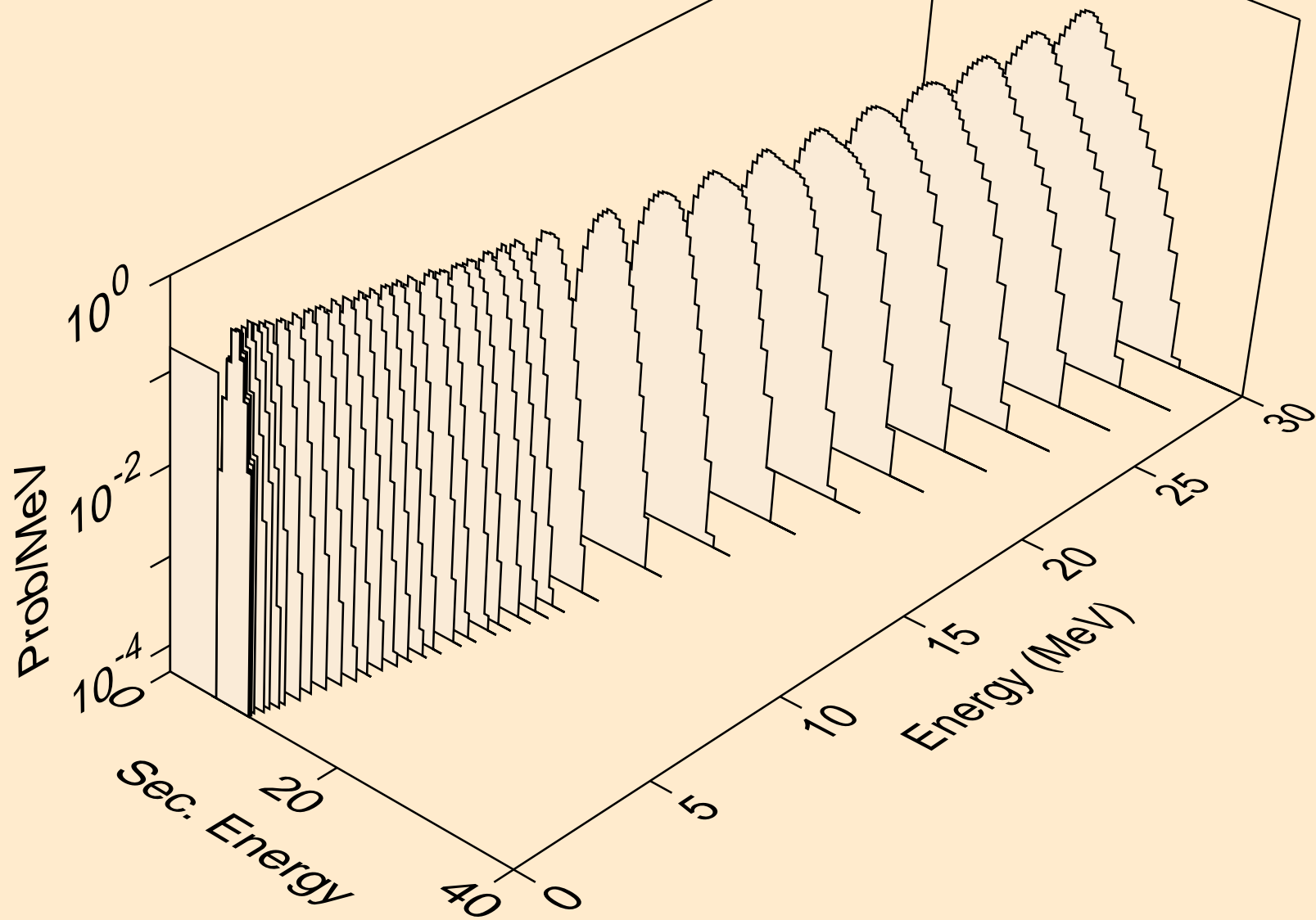
IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,npa)



IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,a)

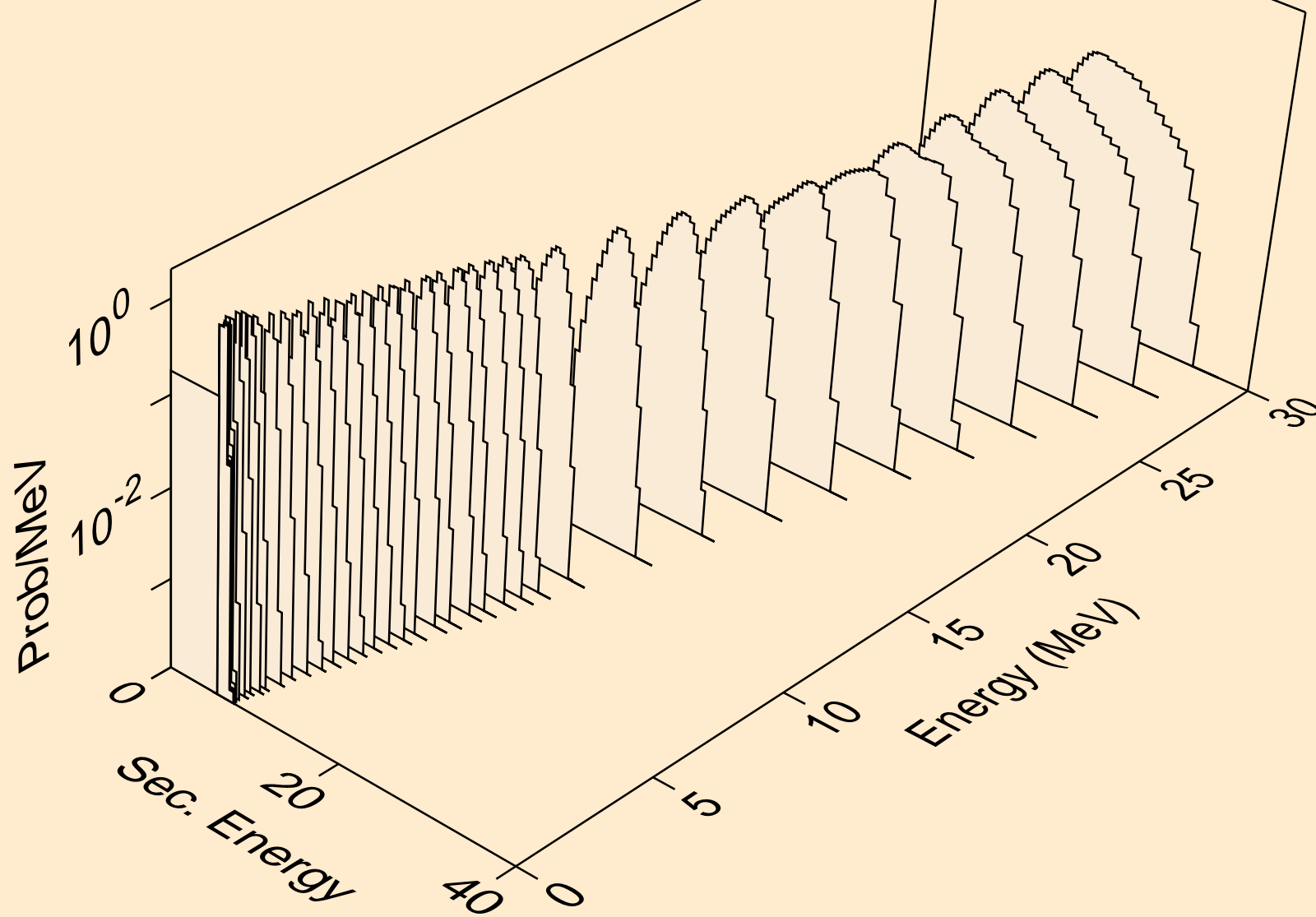


IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2a)





IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,pa)



IR181 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,da)

