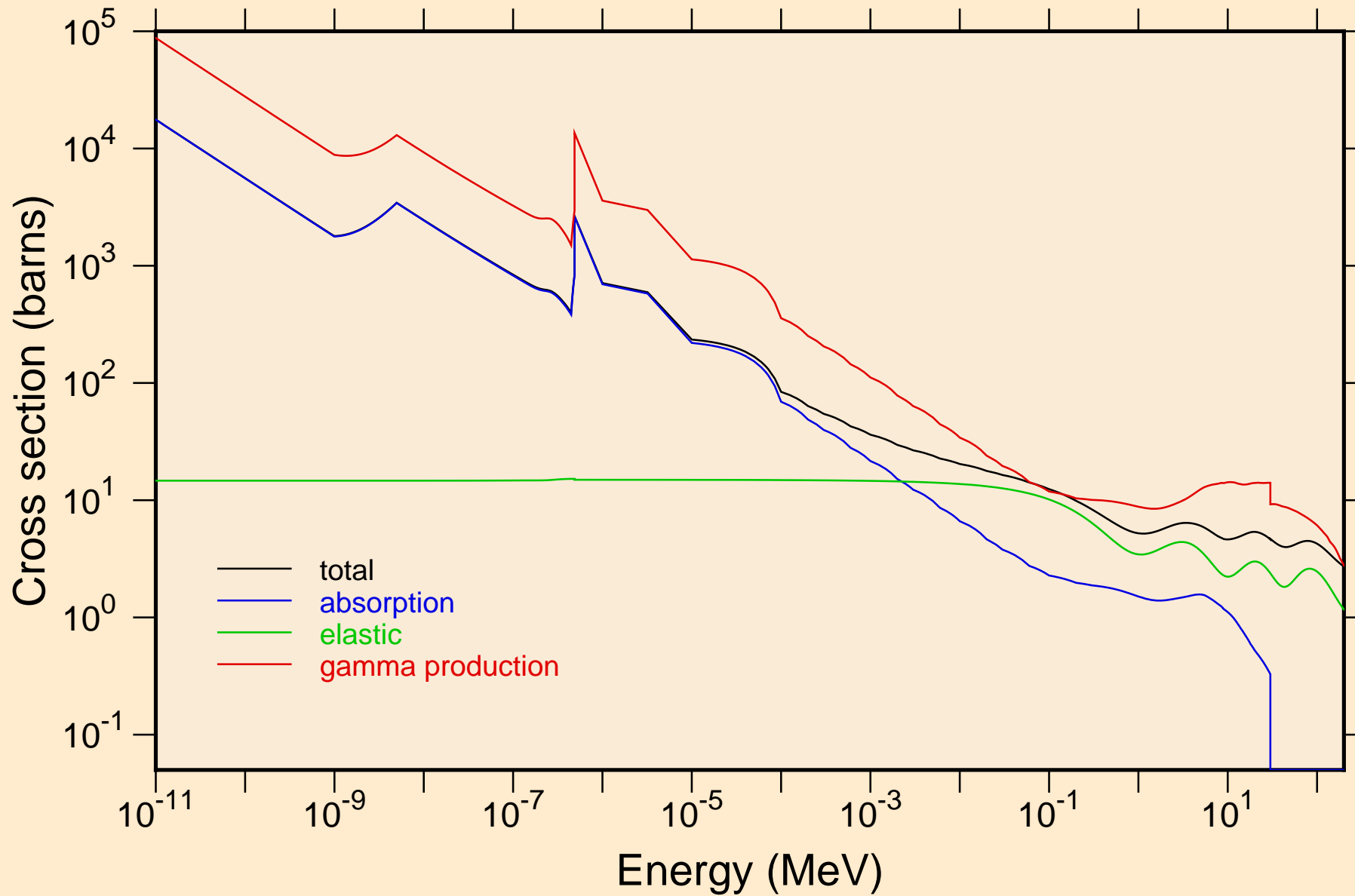


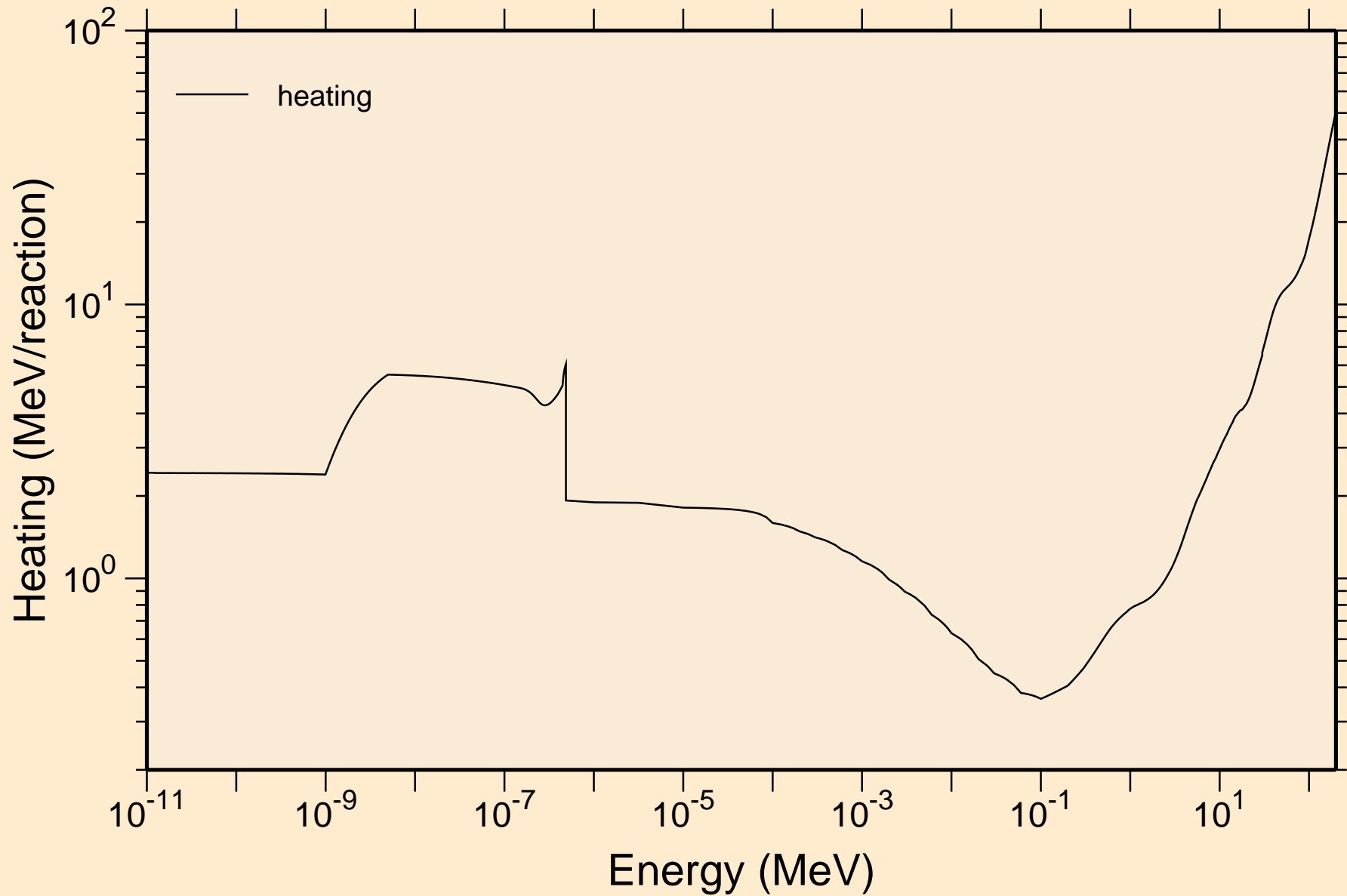
# AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections

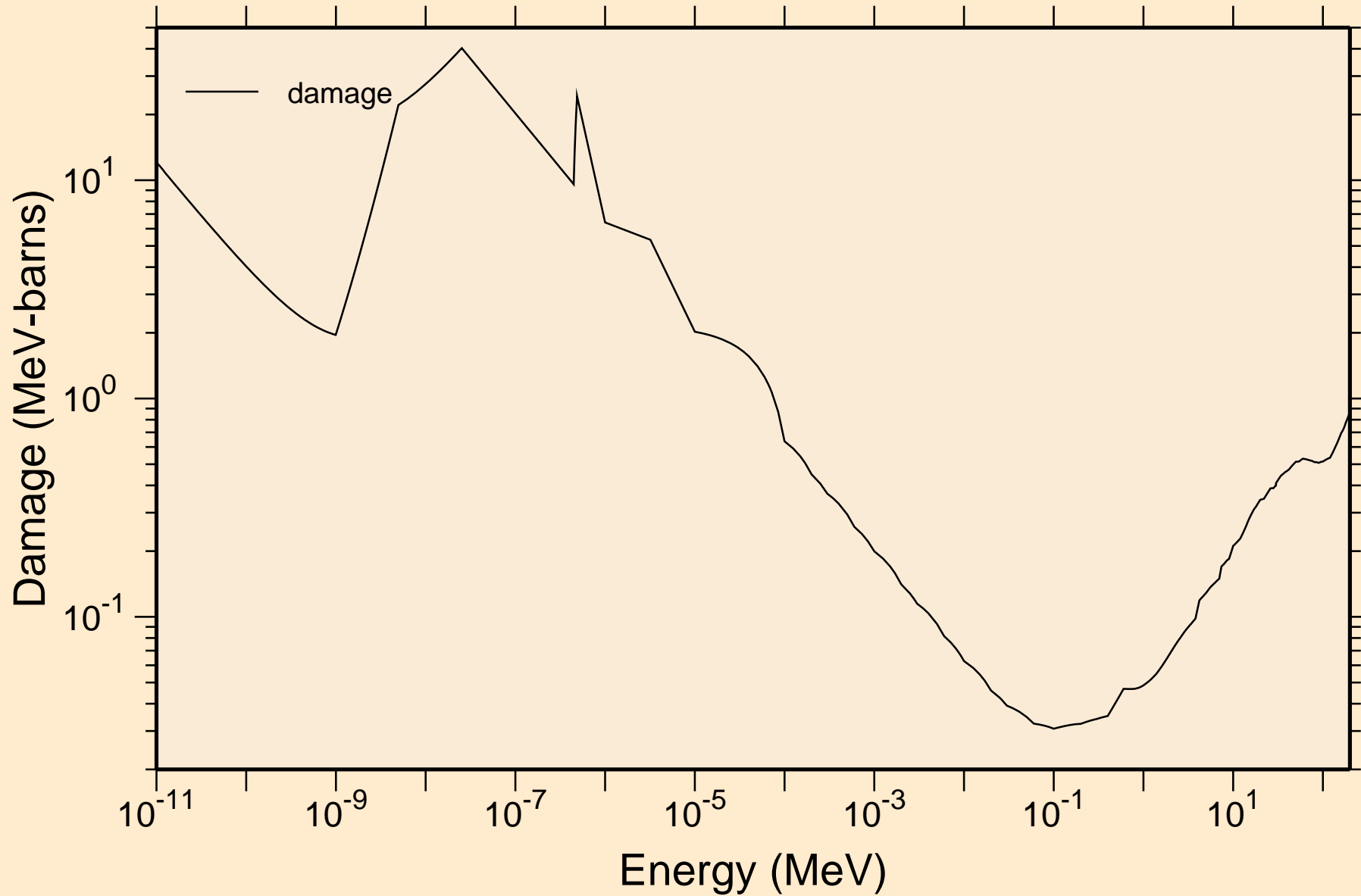


# AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

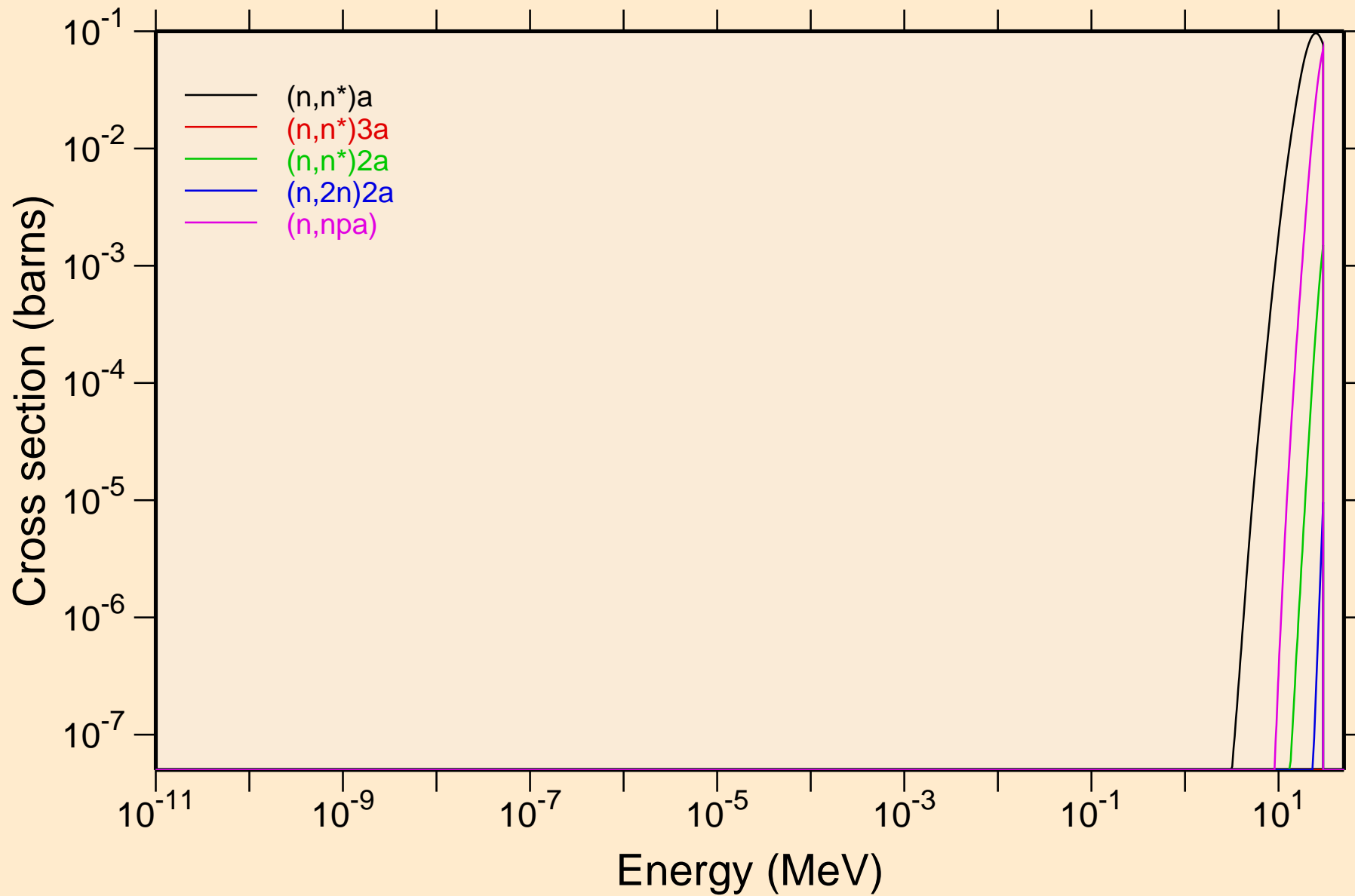
## Heating



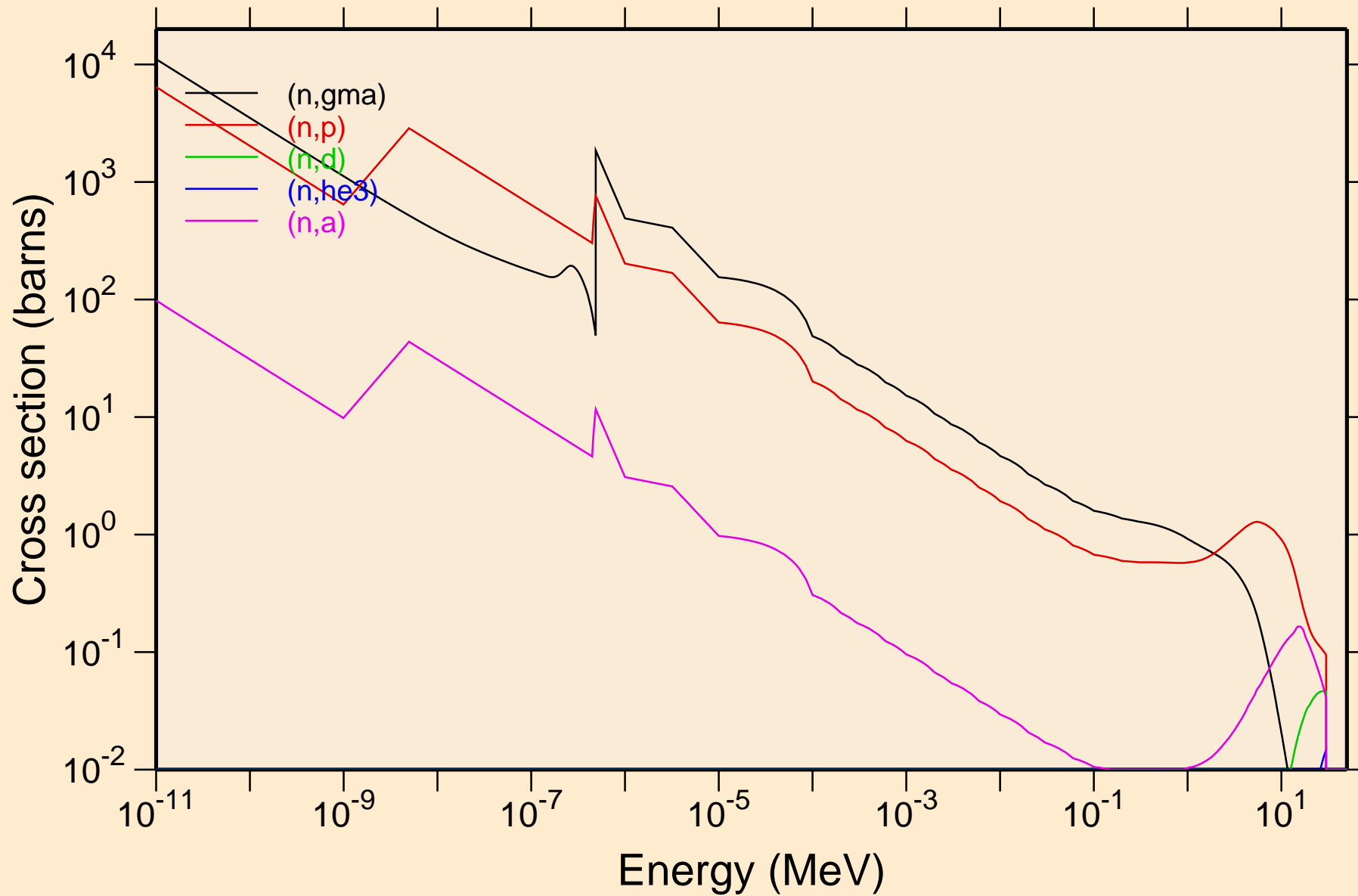
AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Damage



AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

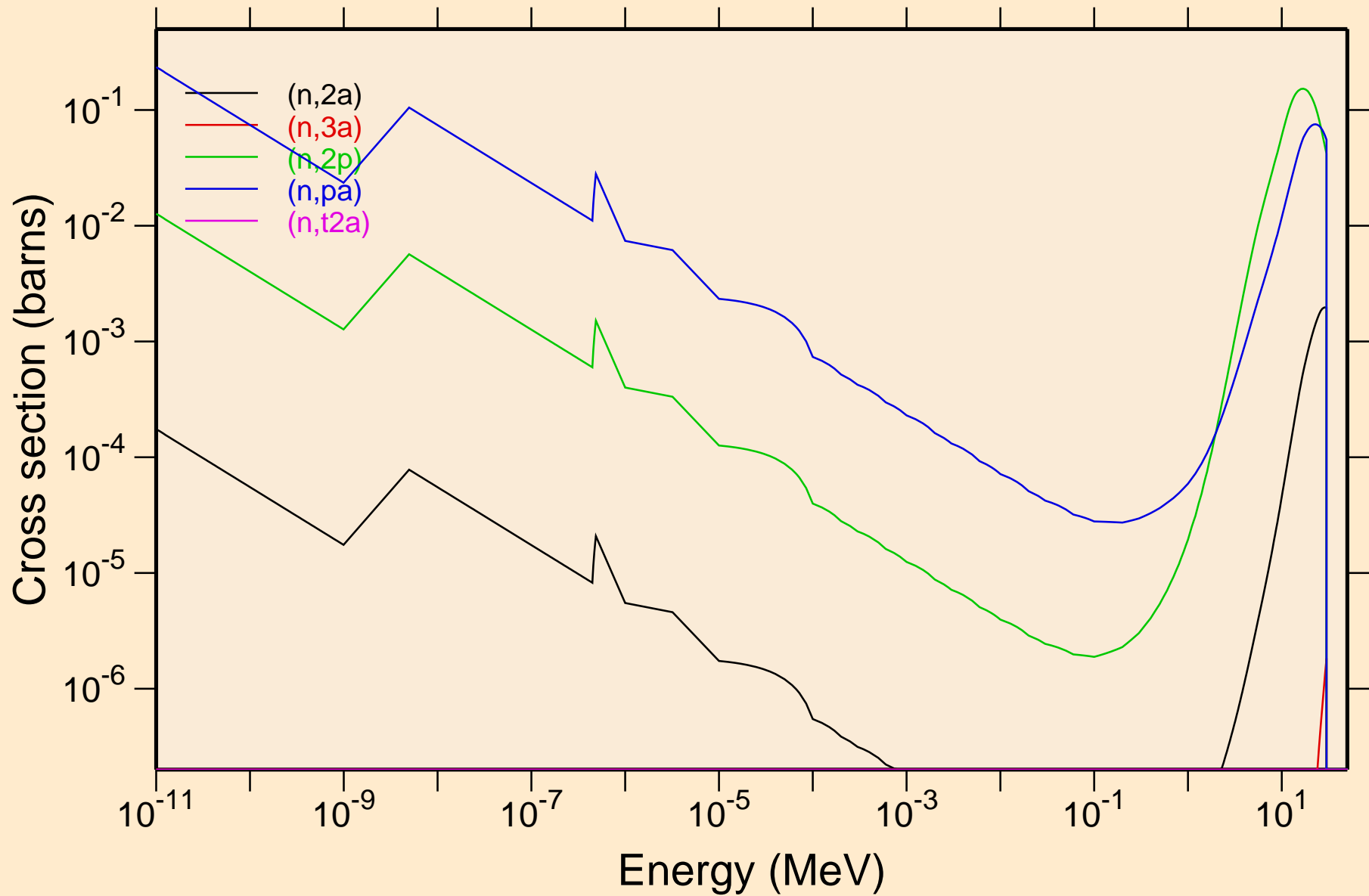


AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



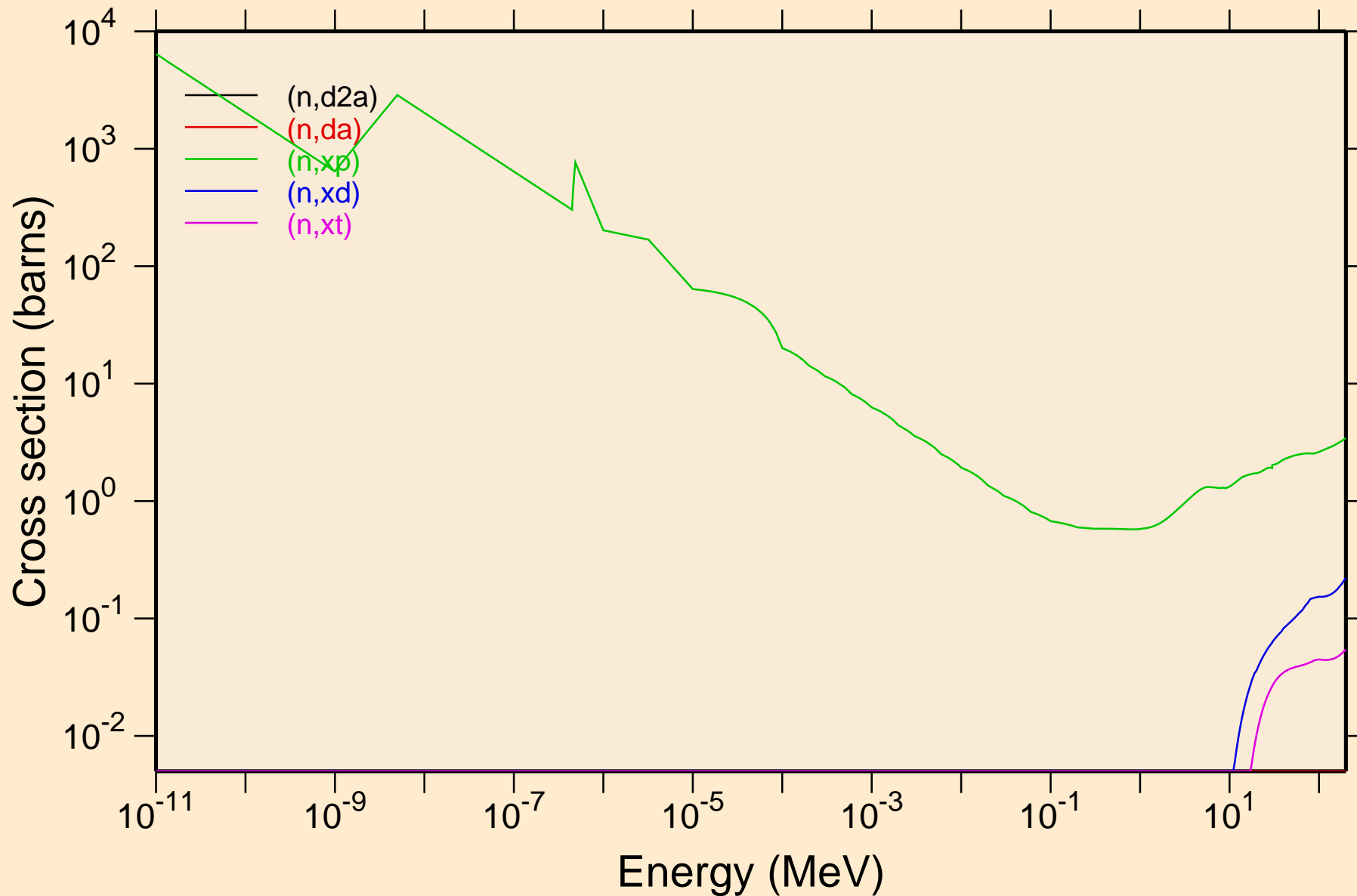
# AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Non-threshold reactions

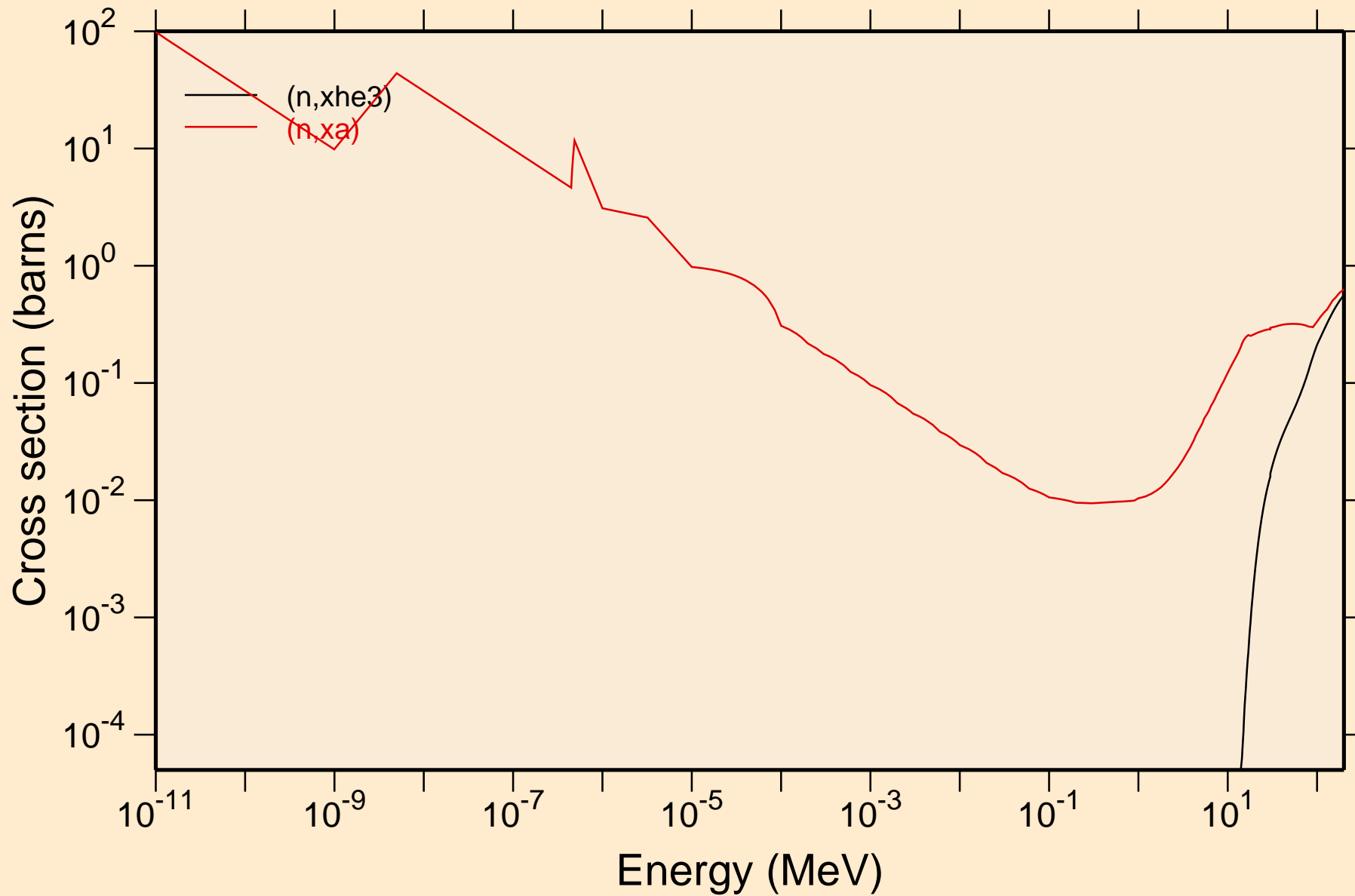


# AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Non-threshold reactions



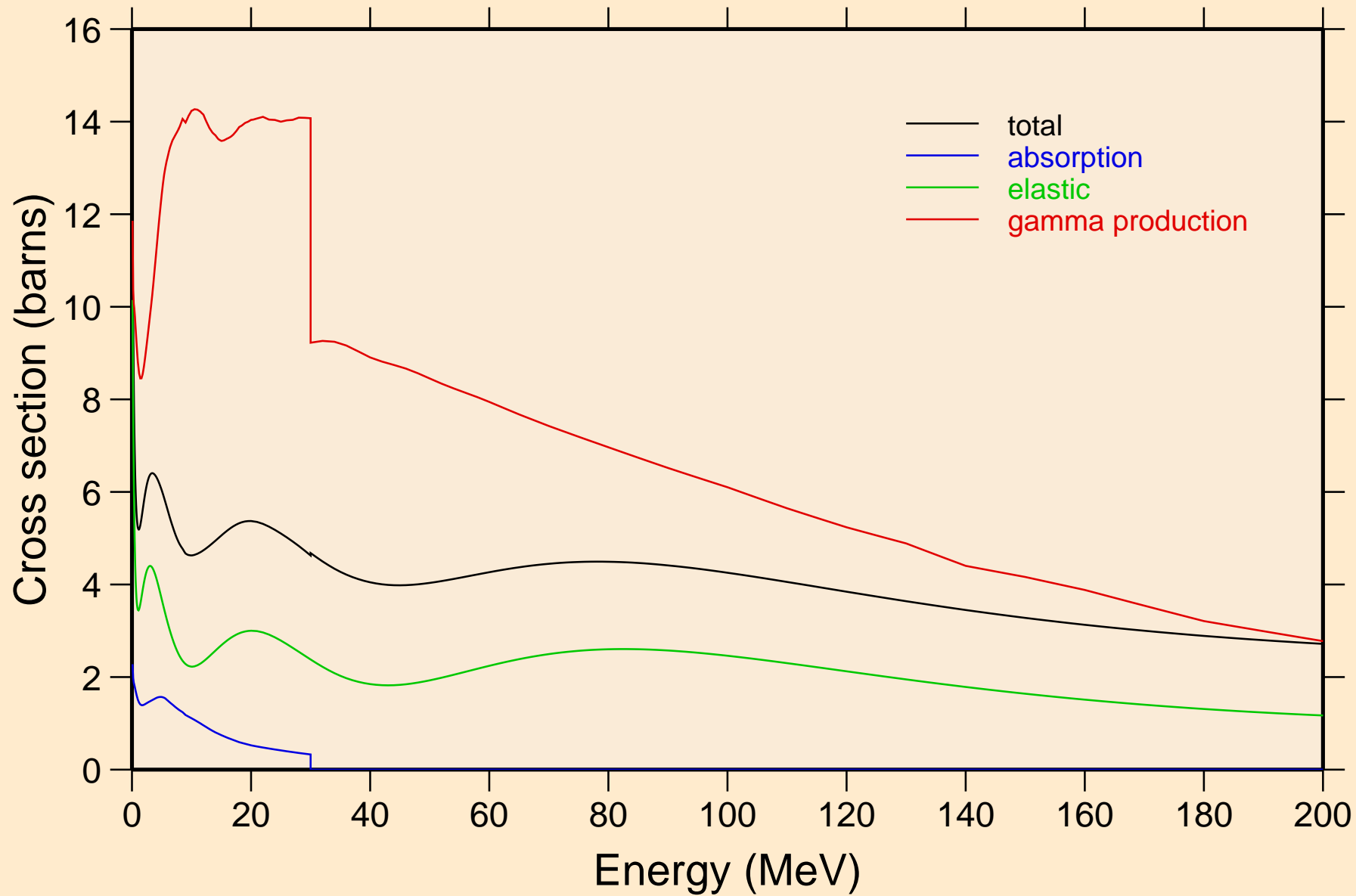
AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions





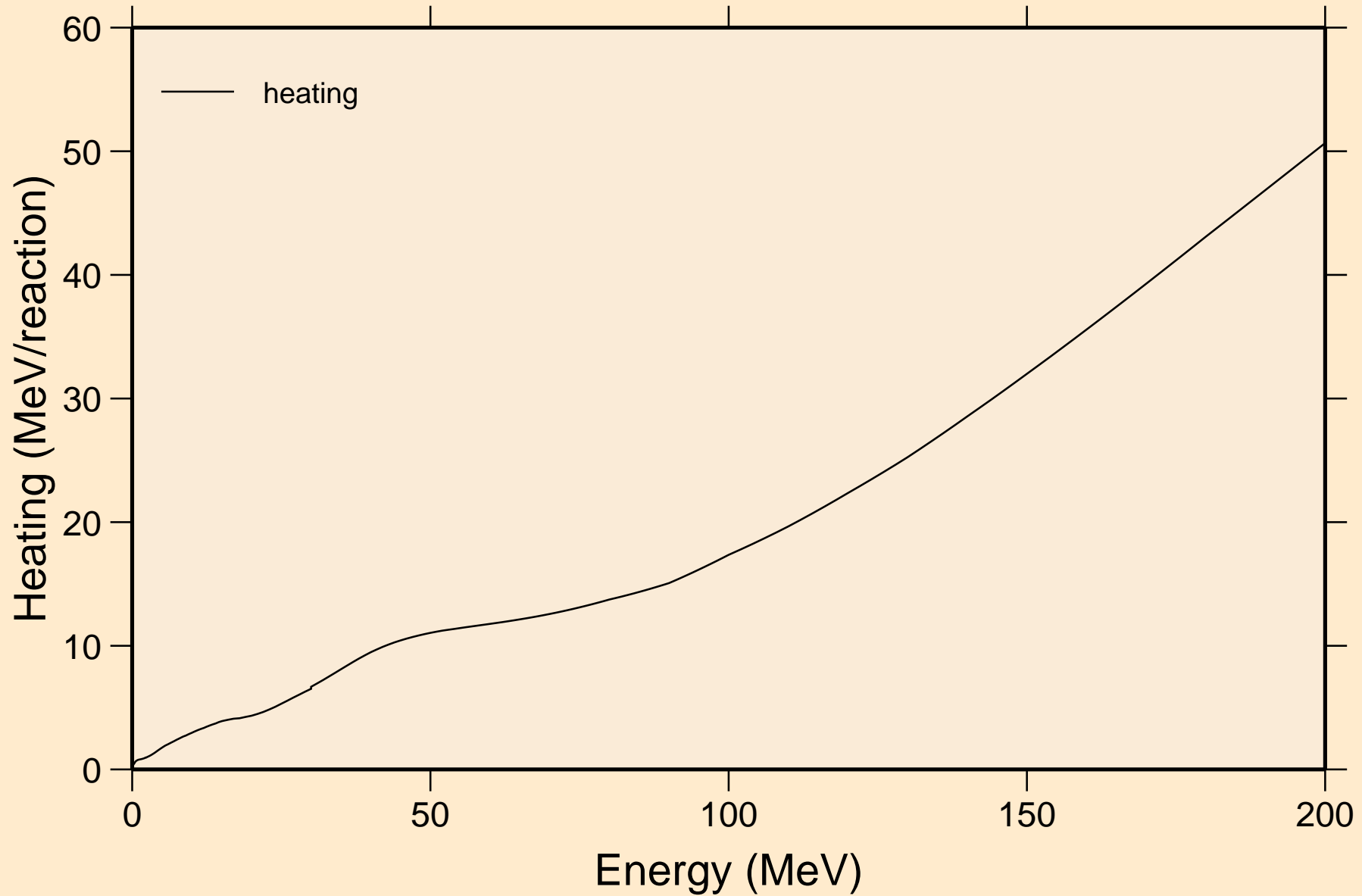
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## Principal cross sections

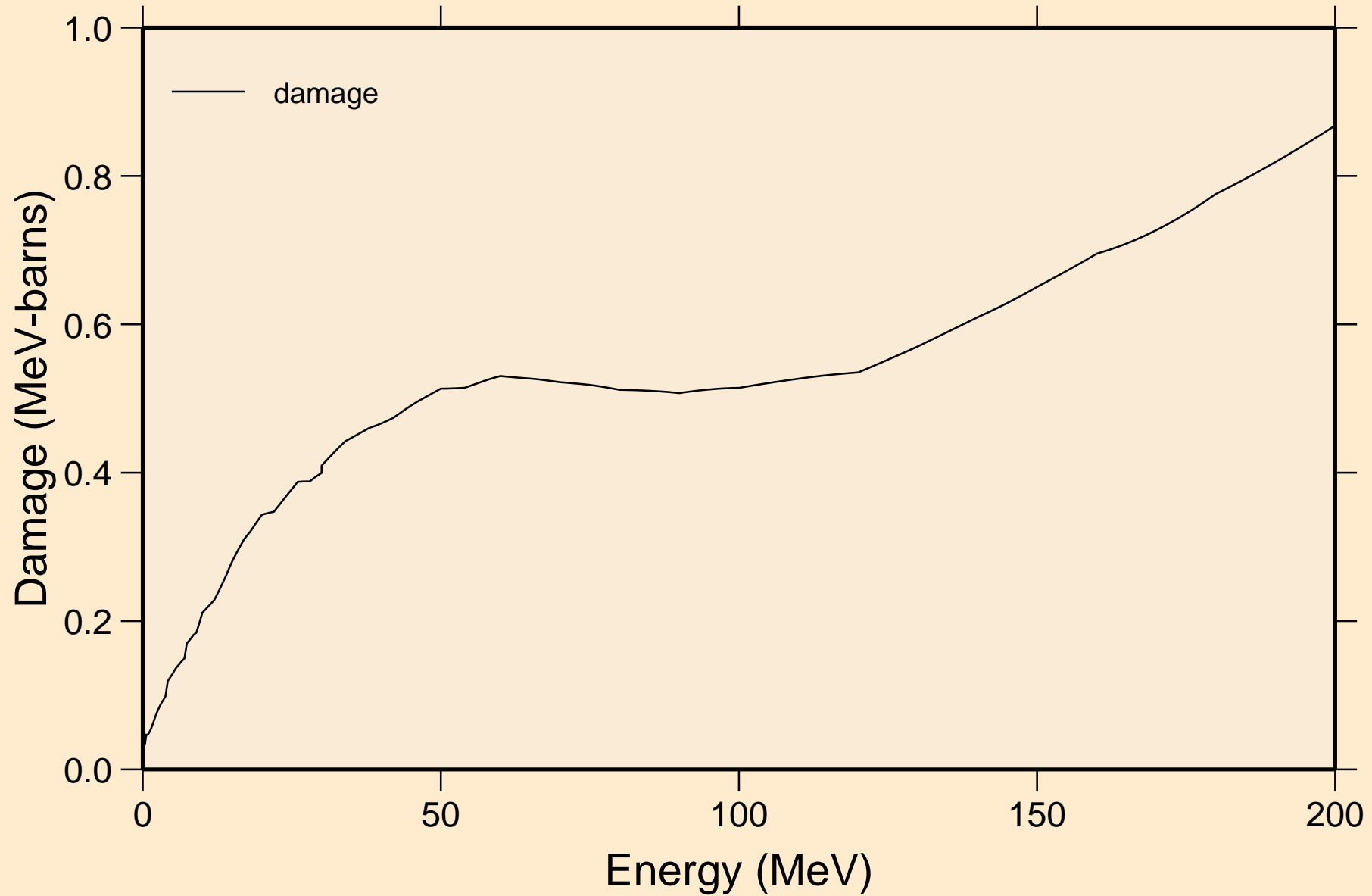


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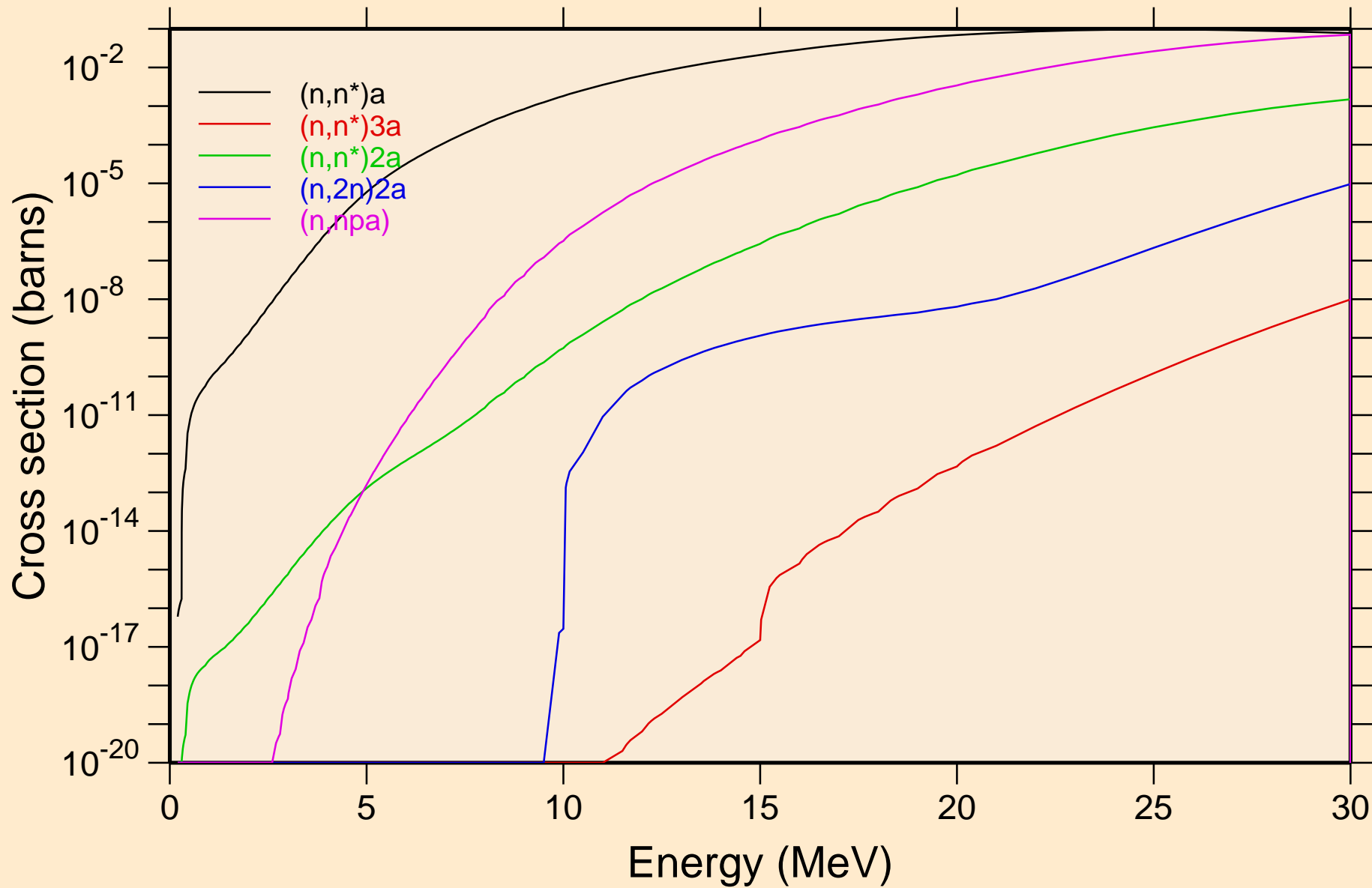
## Heating



AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Damage

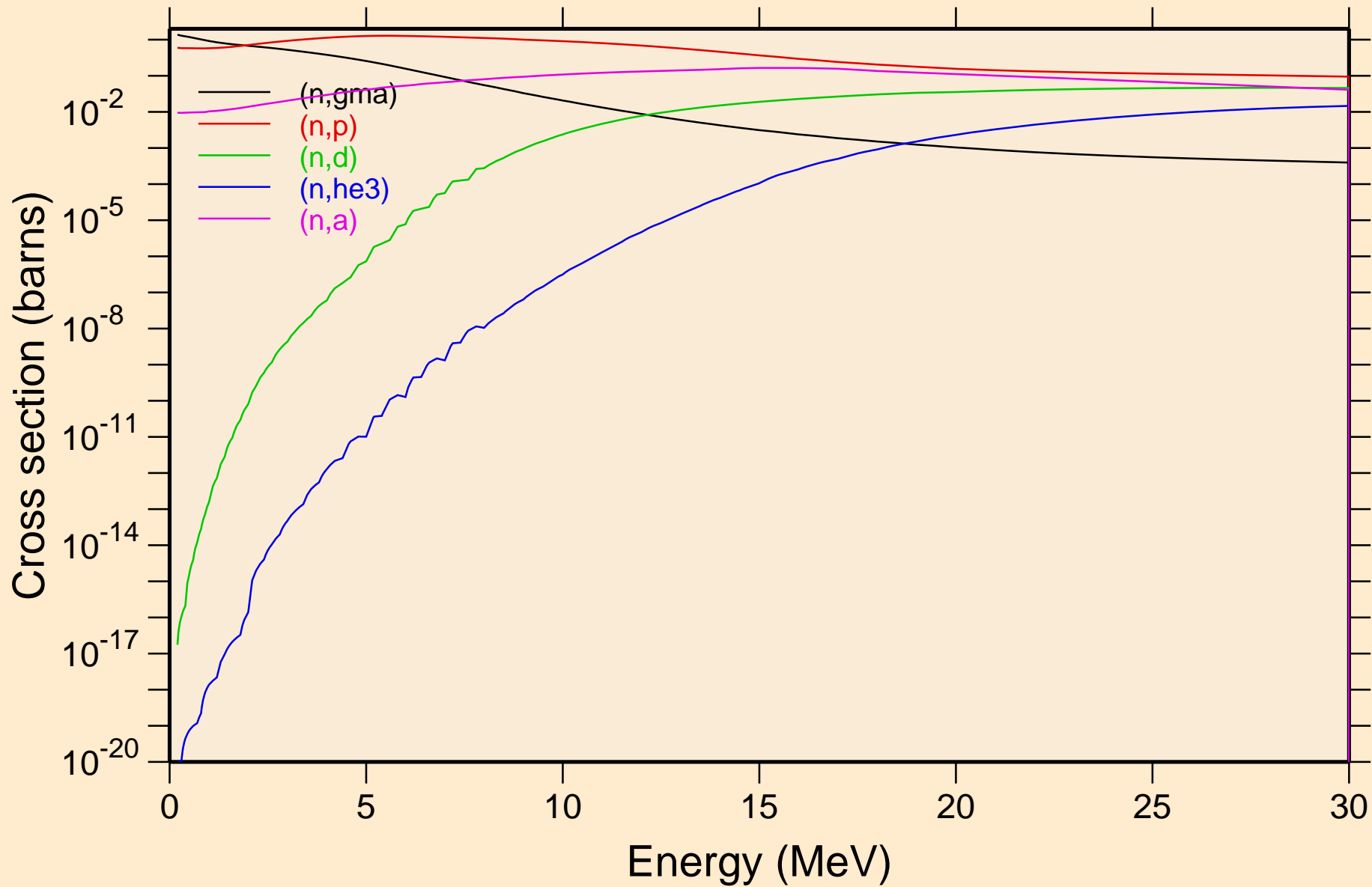


AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

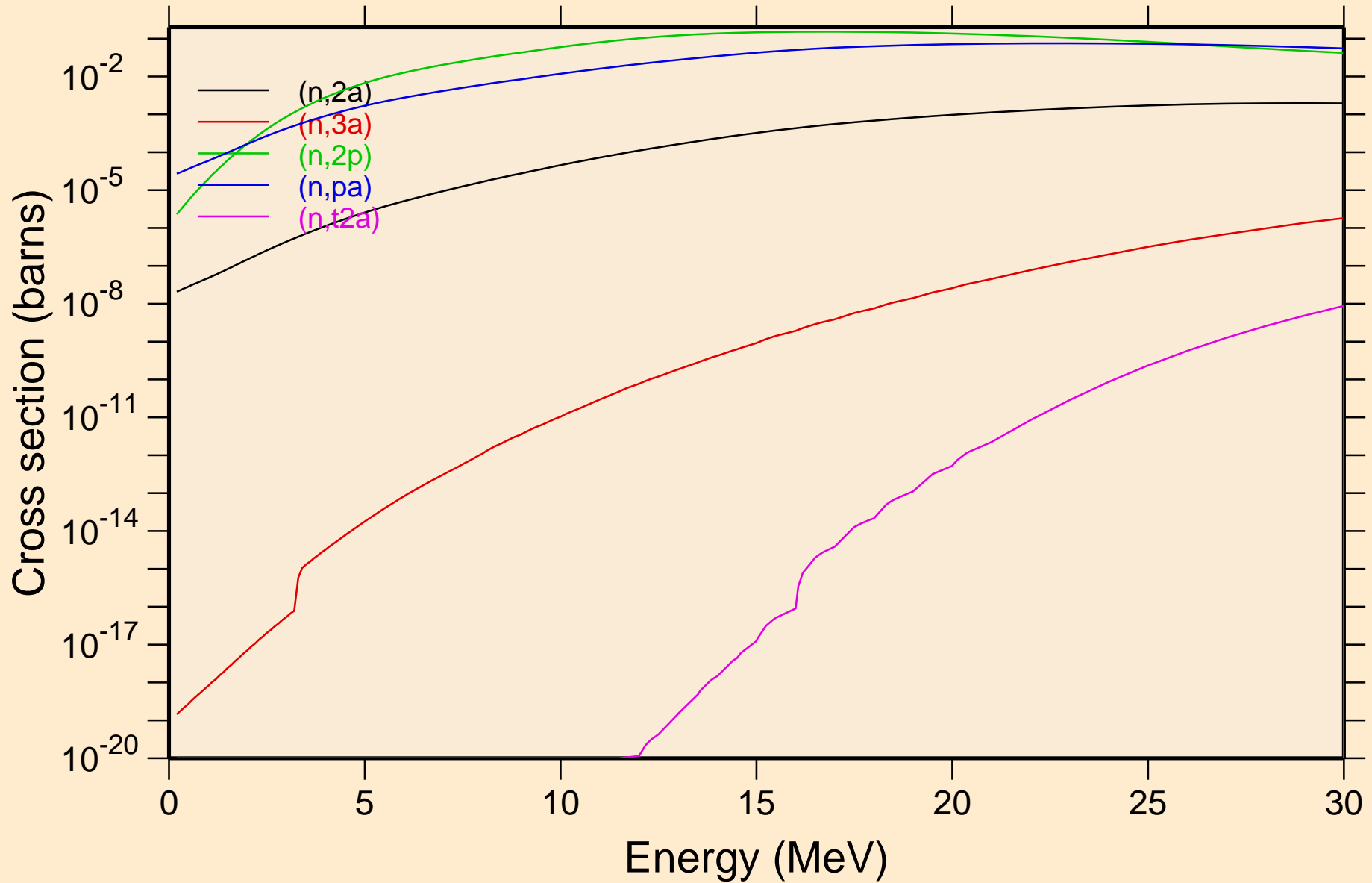


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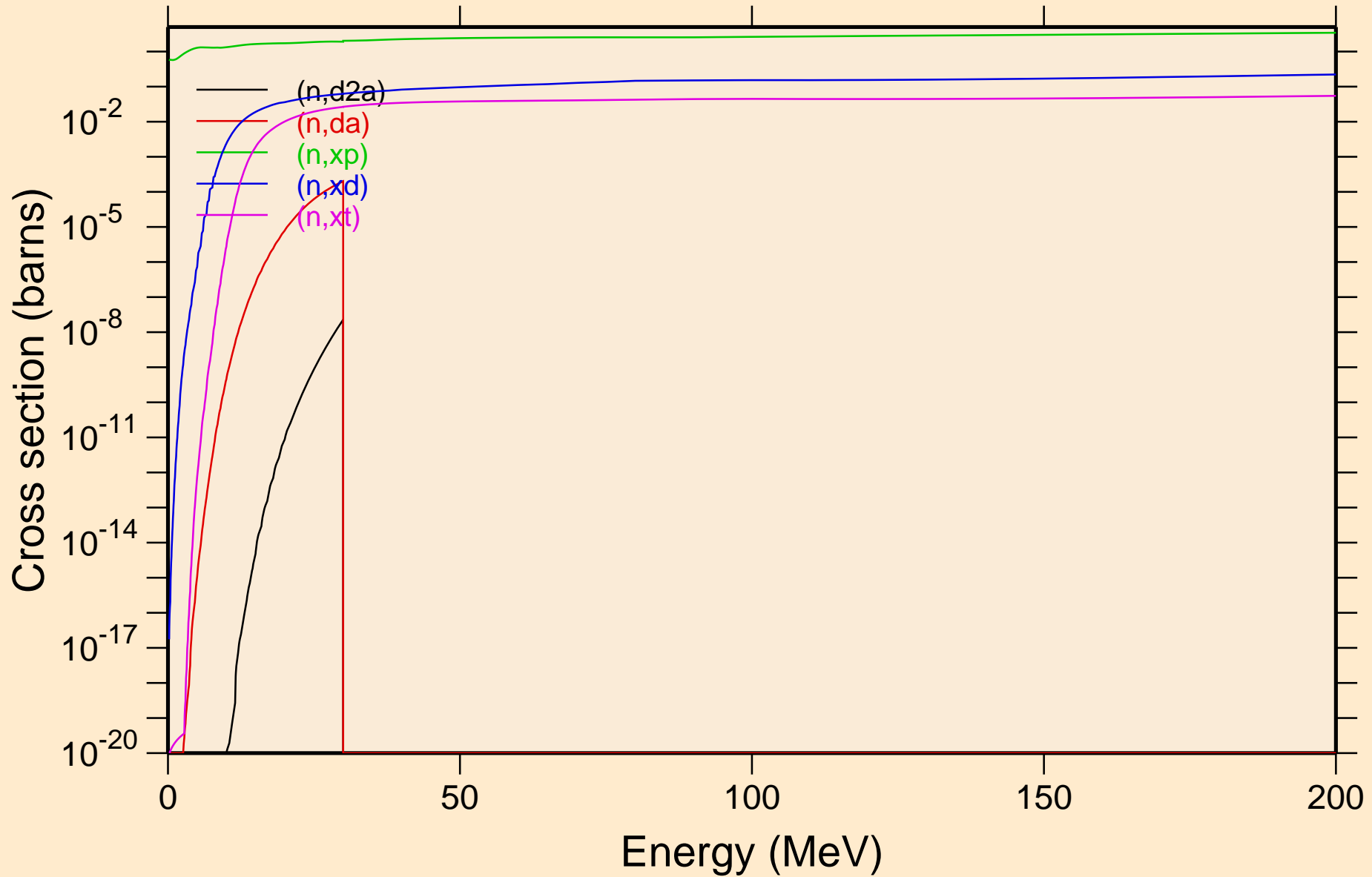
## Non-threshold reactions



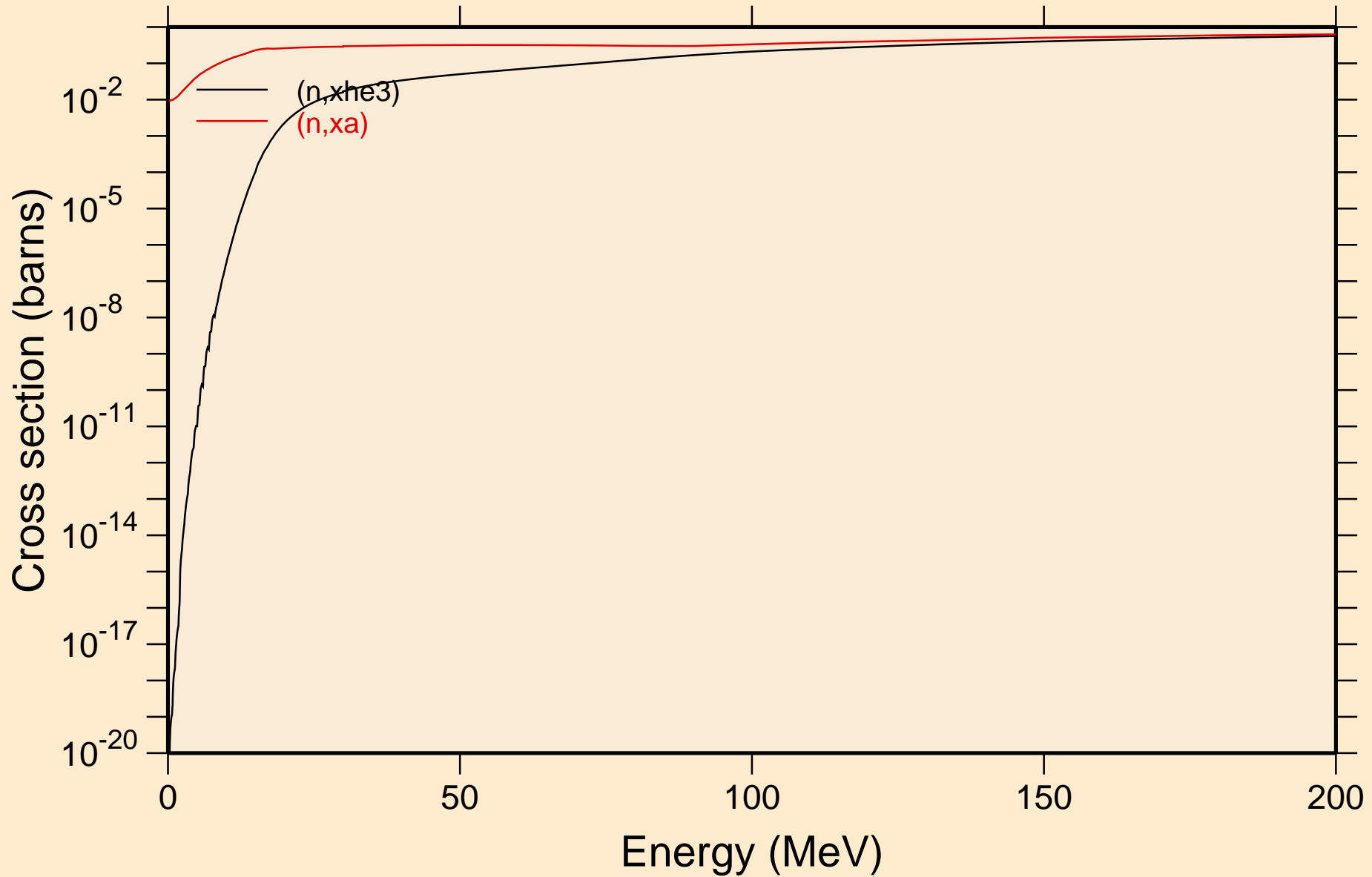
AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

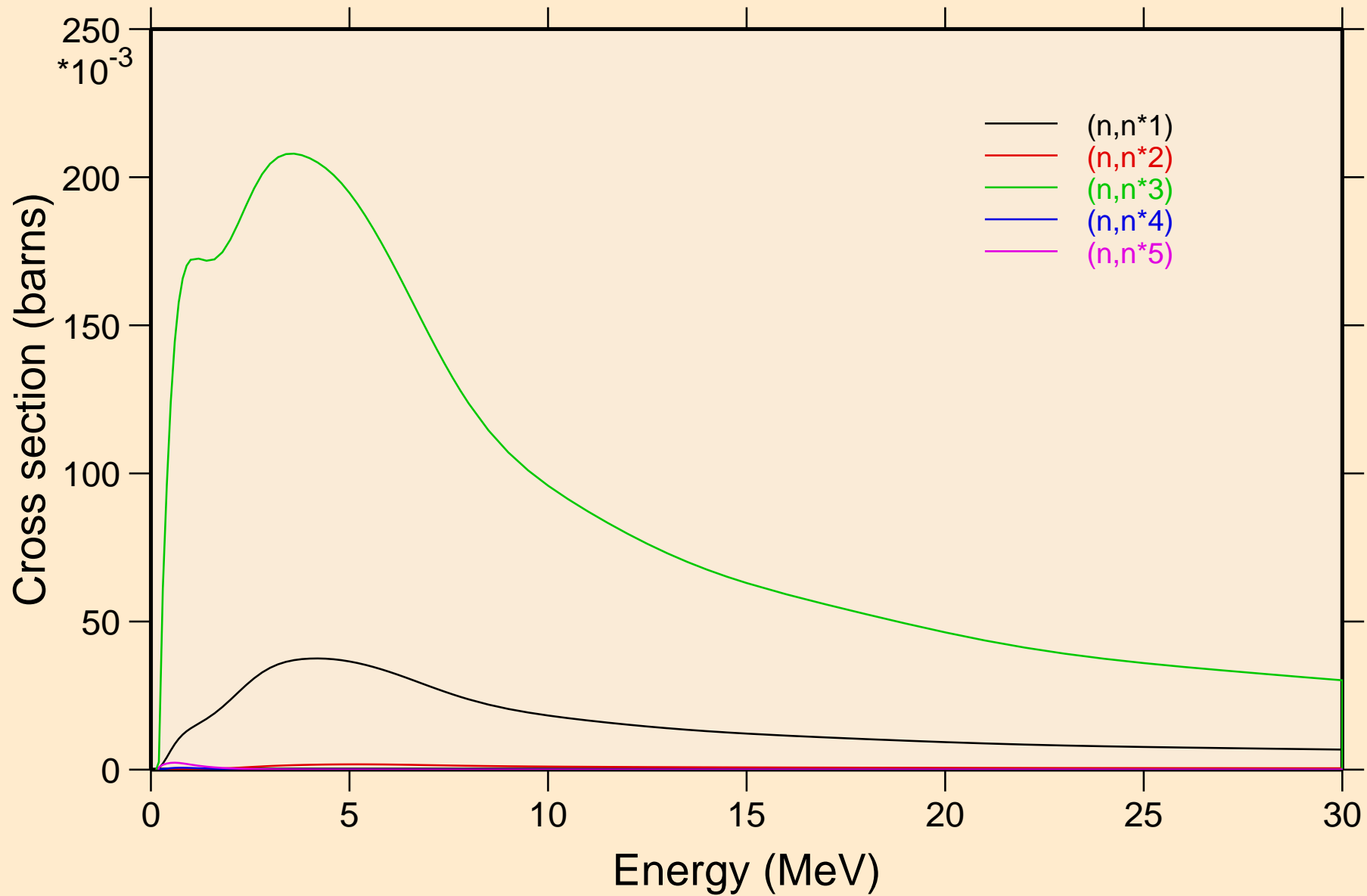


AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

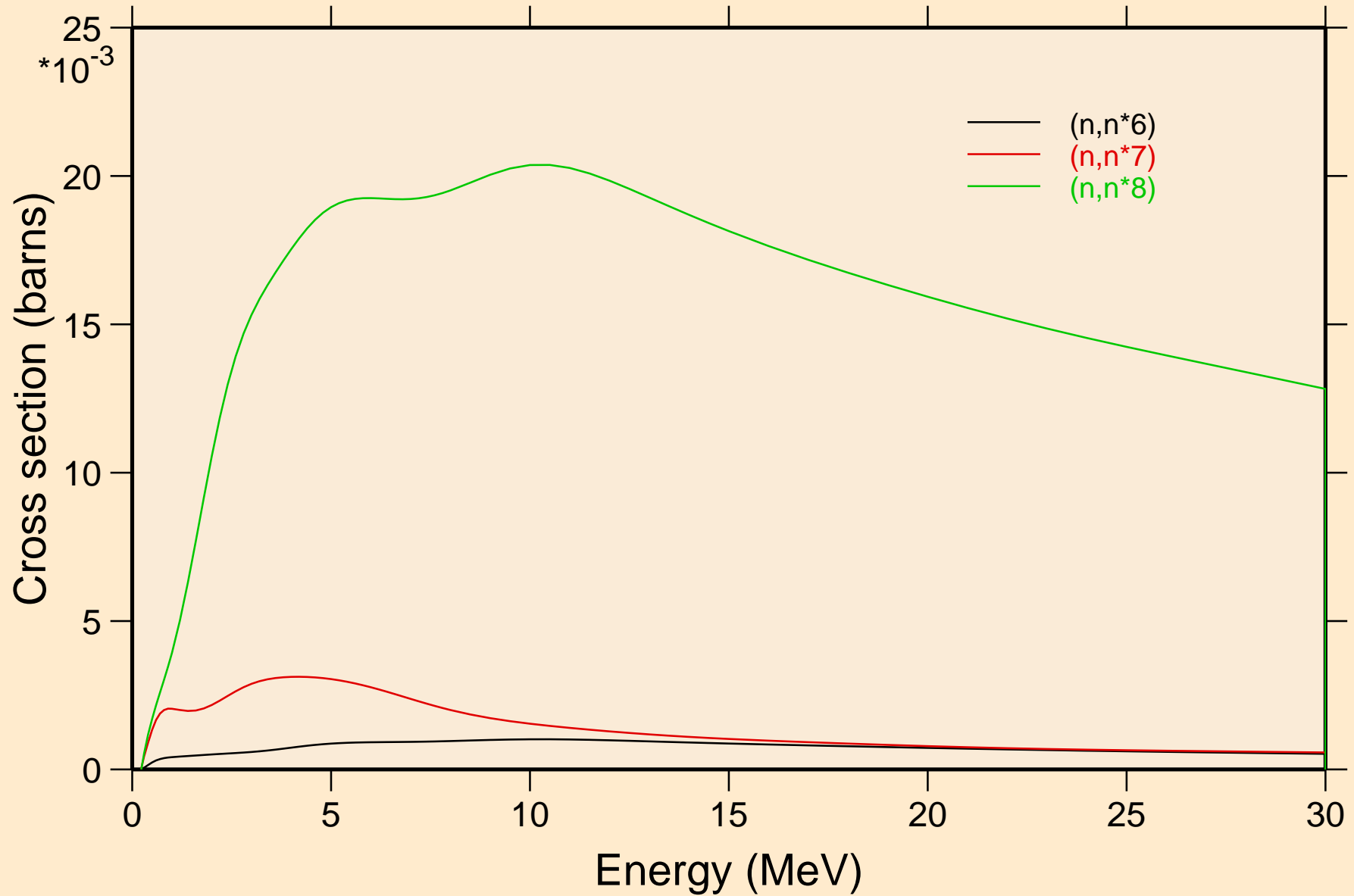




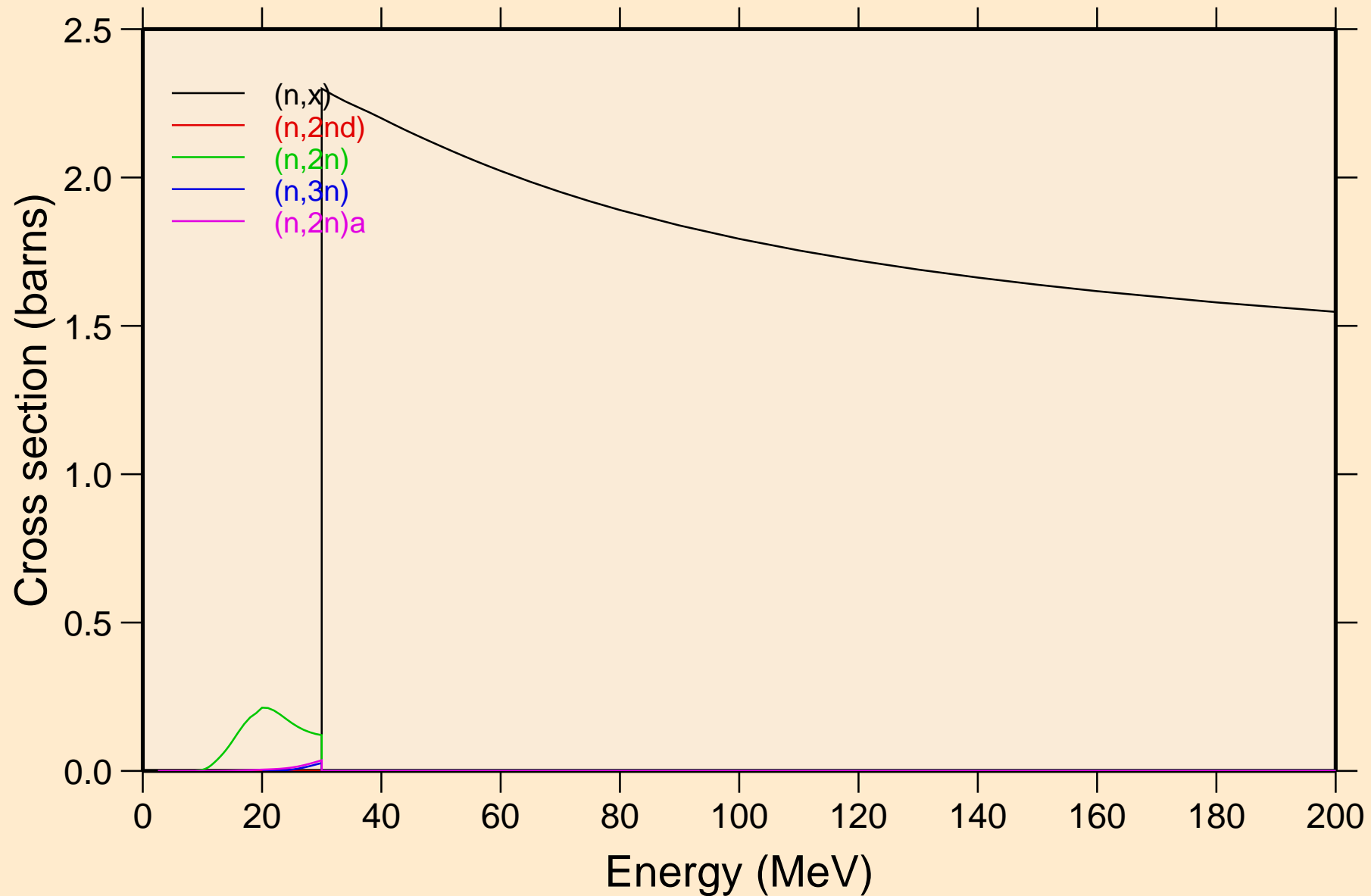
AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



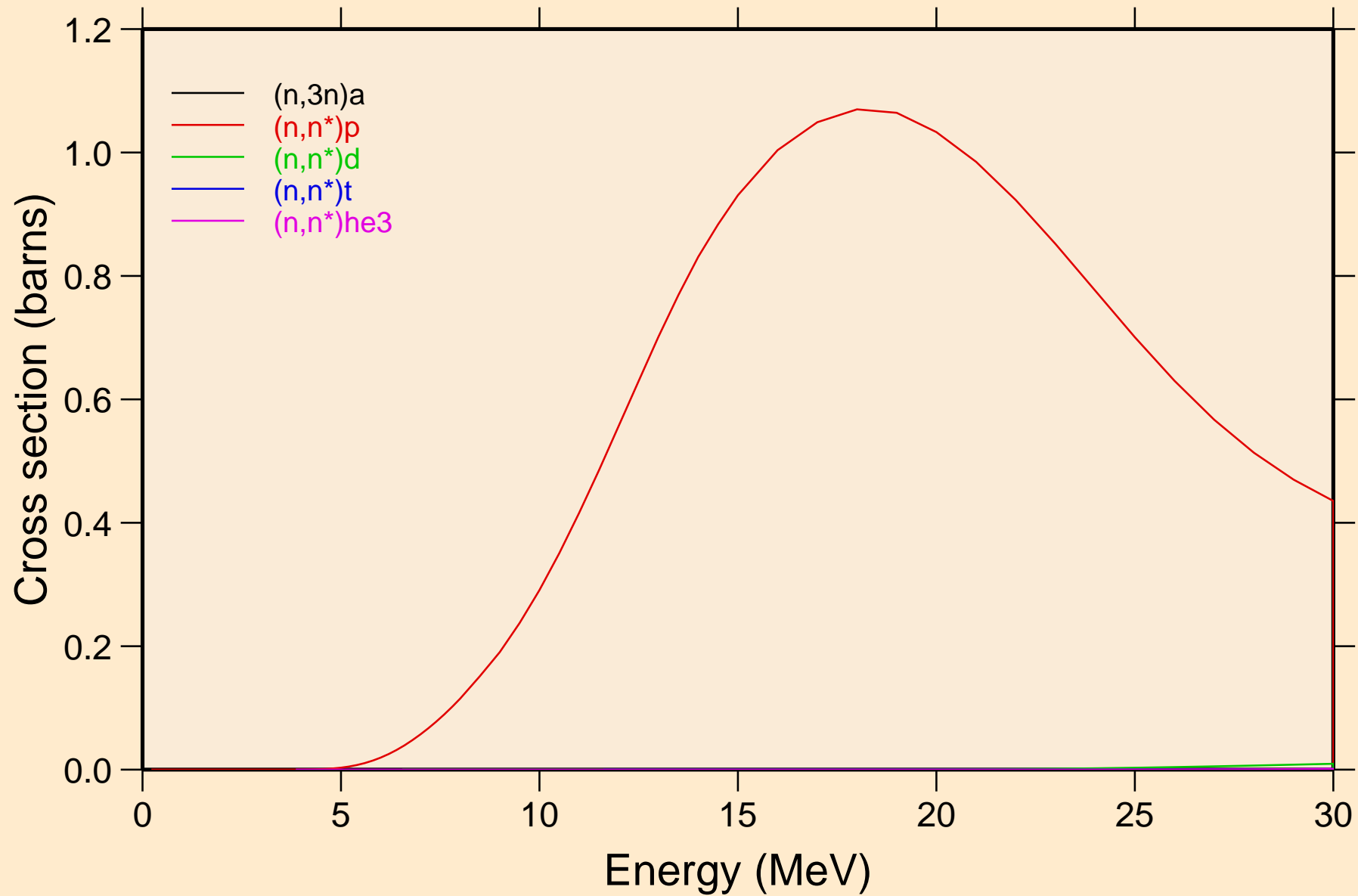
AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



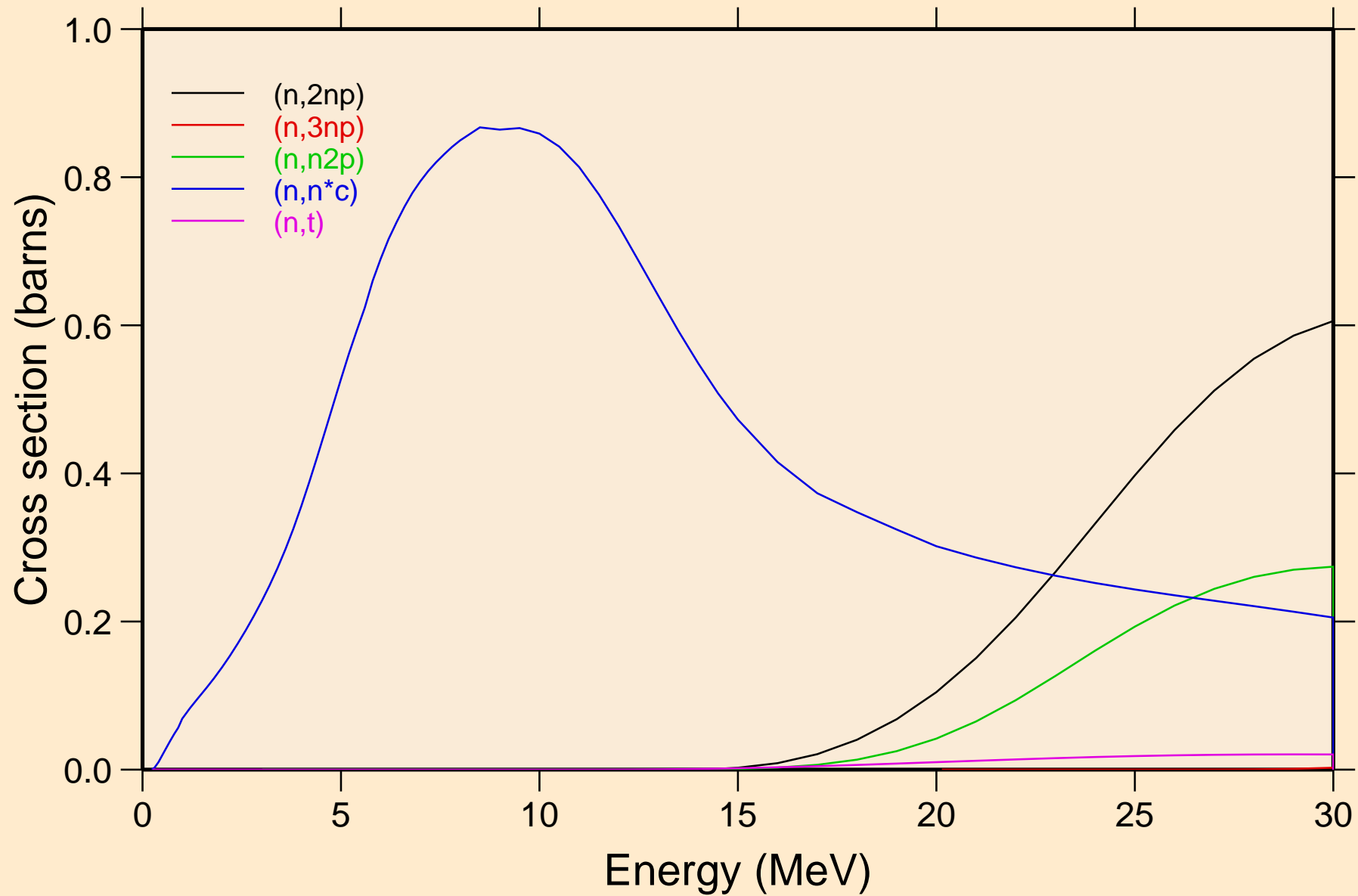
AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



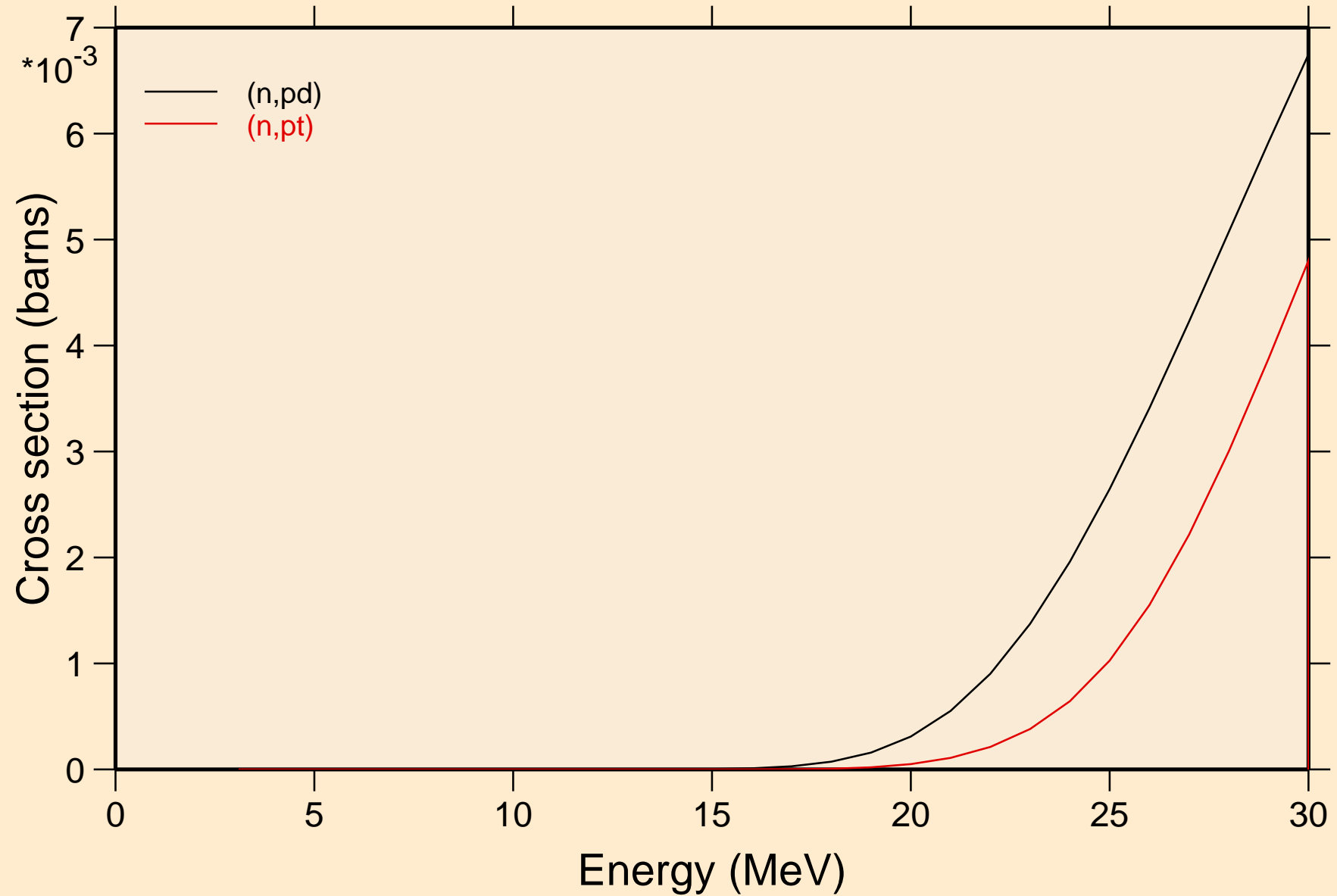
AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



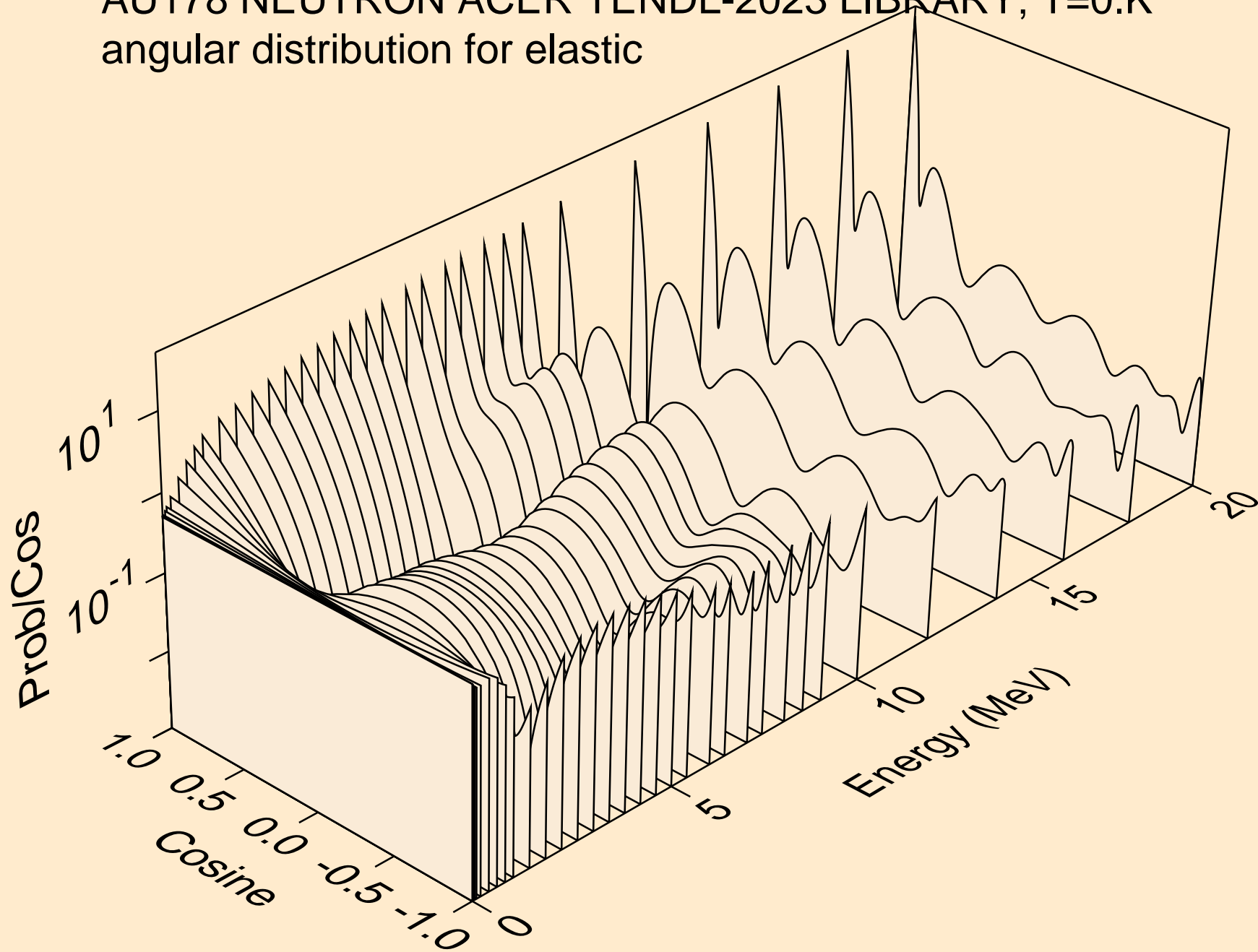
AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



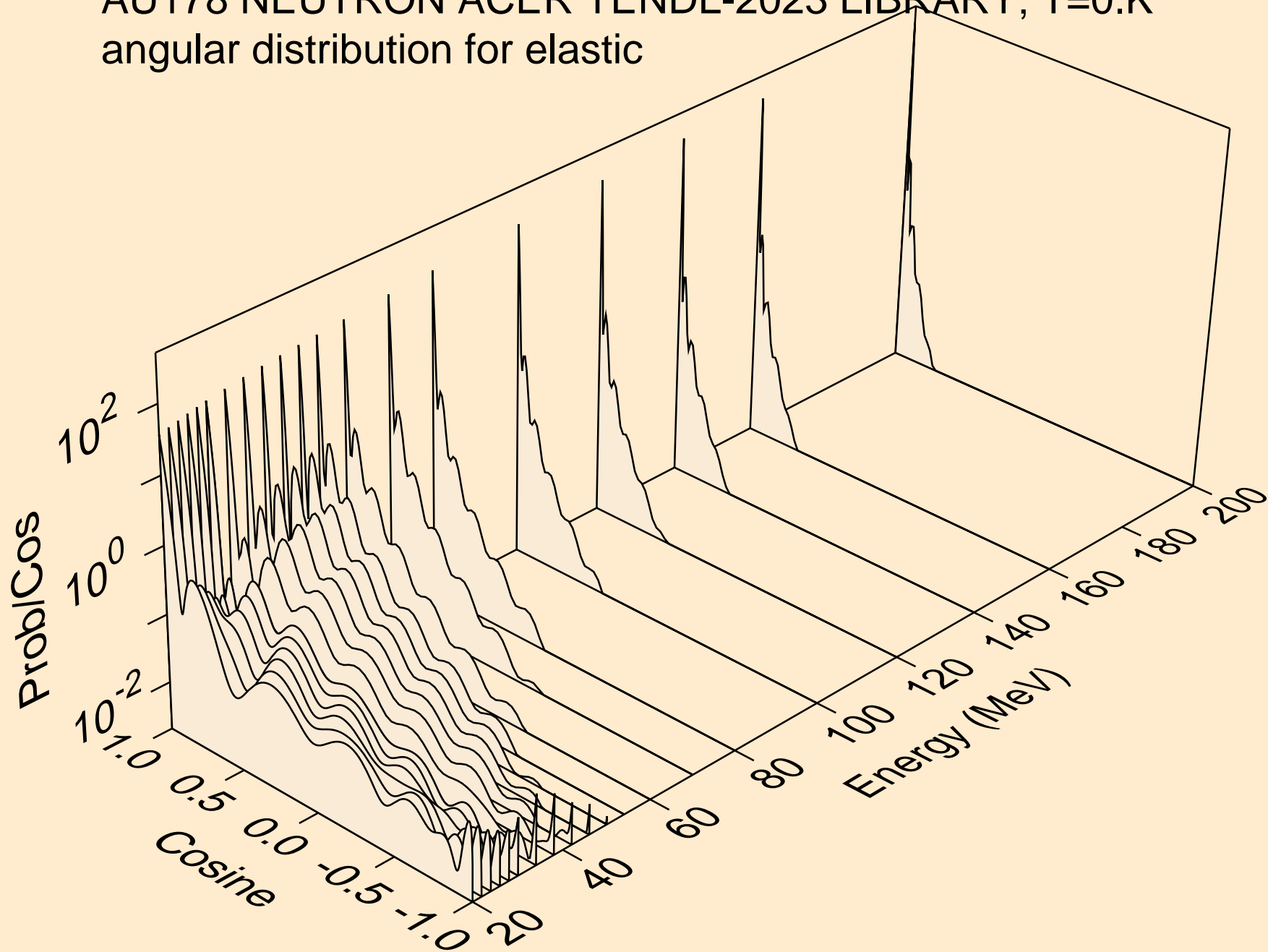
AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic

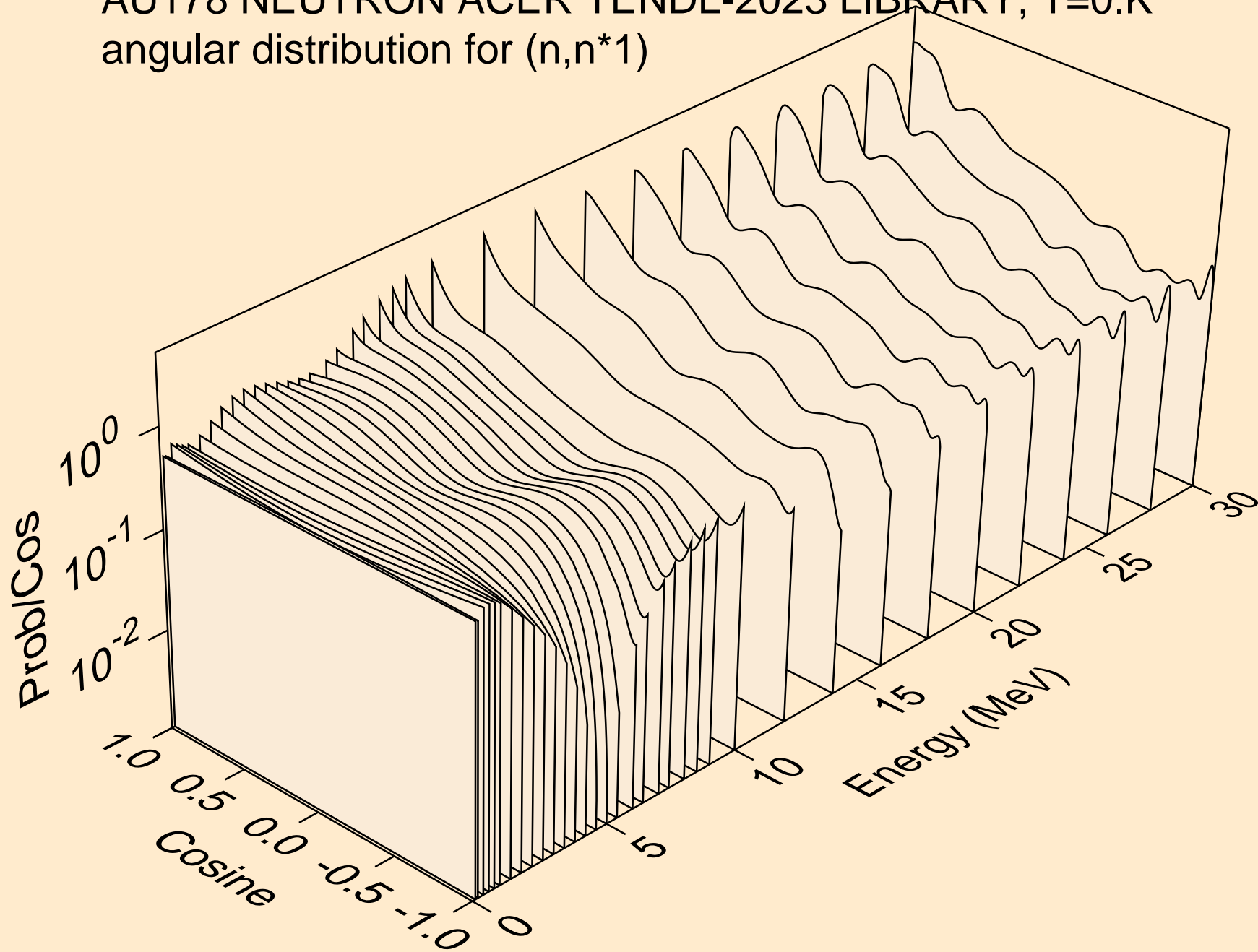


AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic

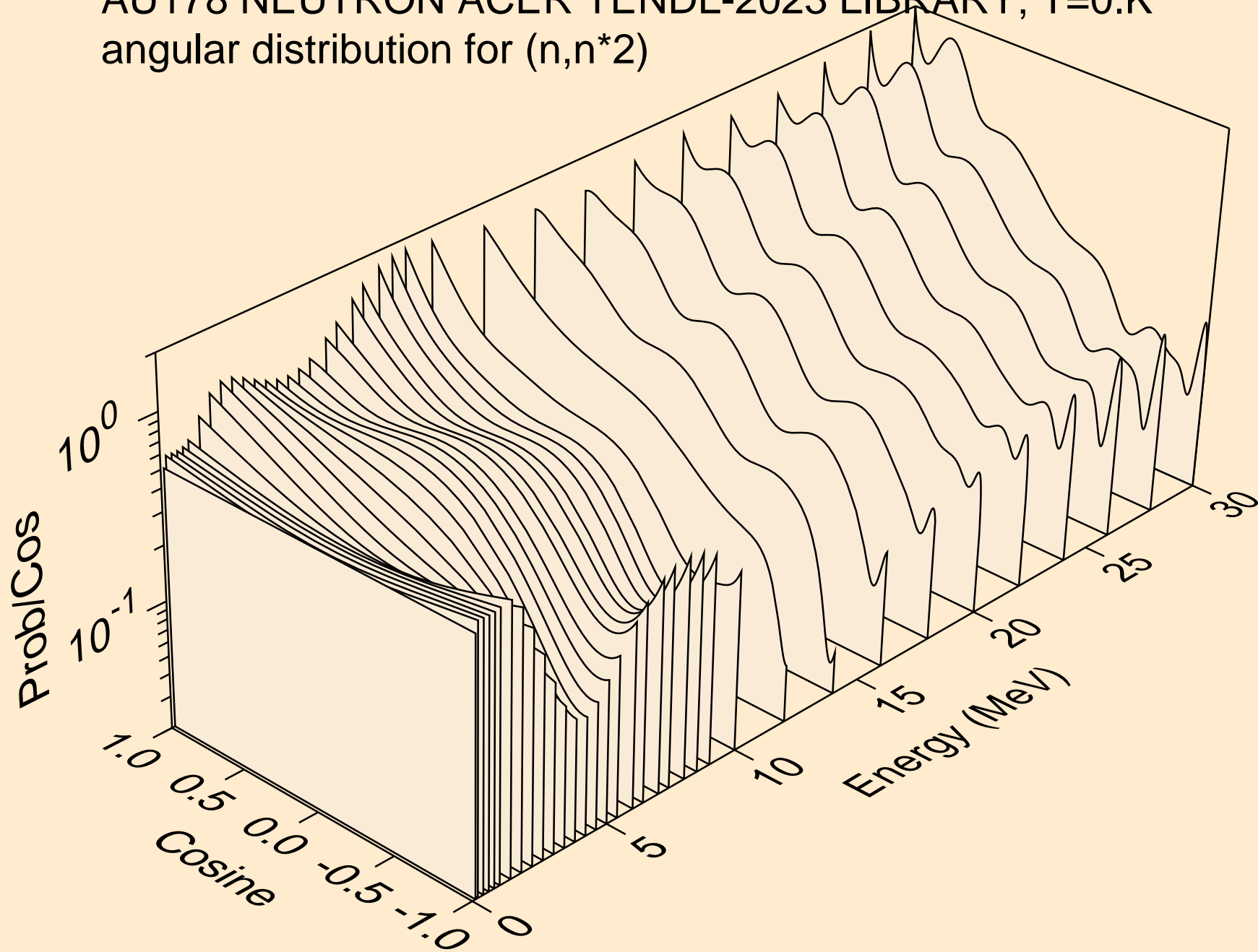




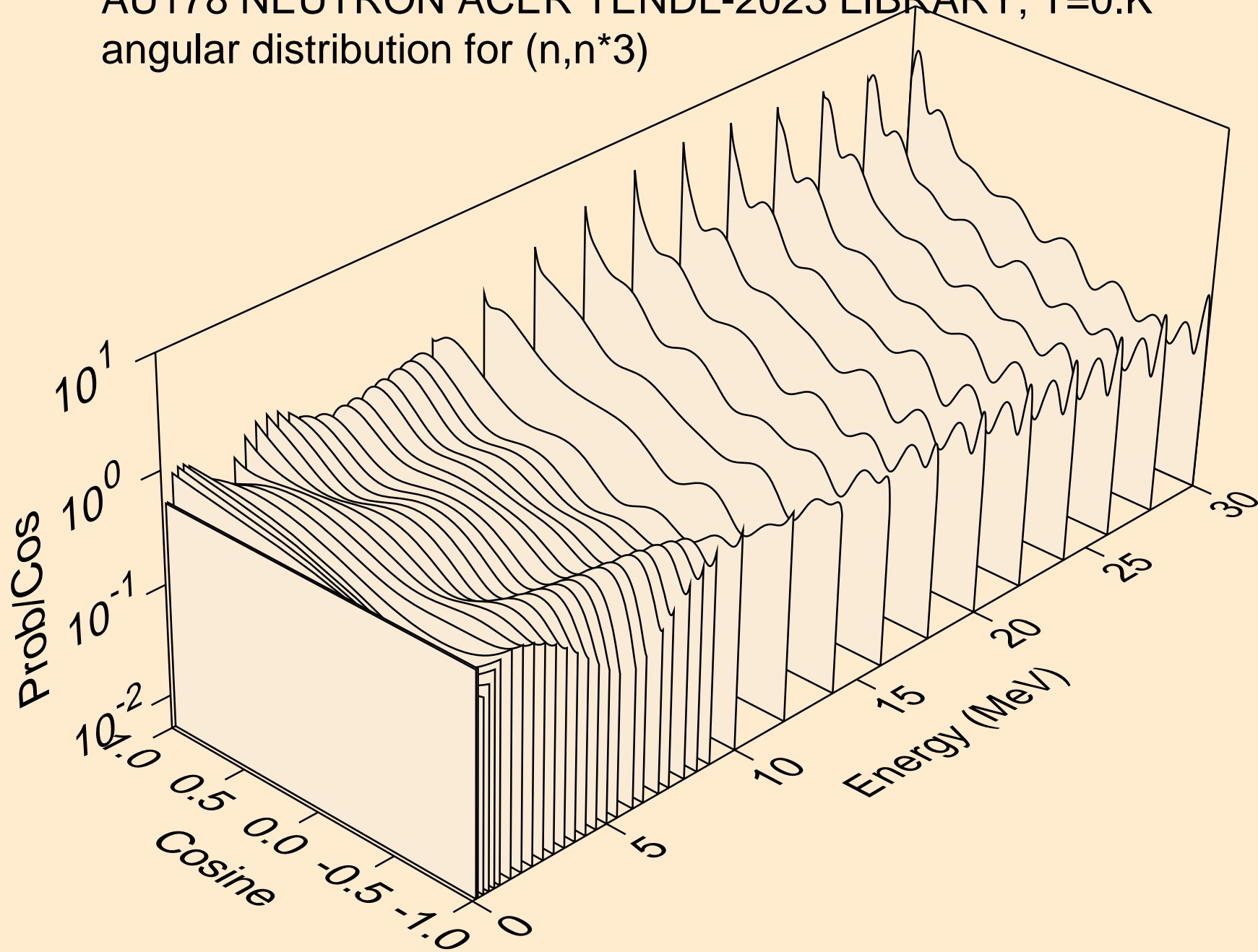
AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



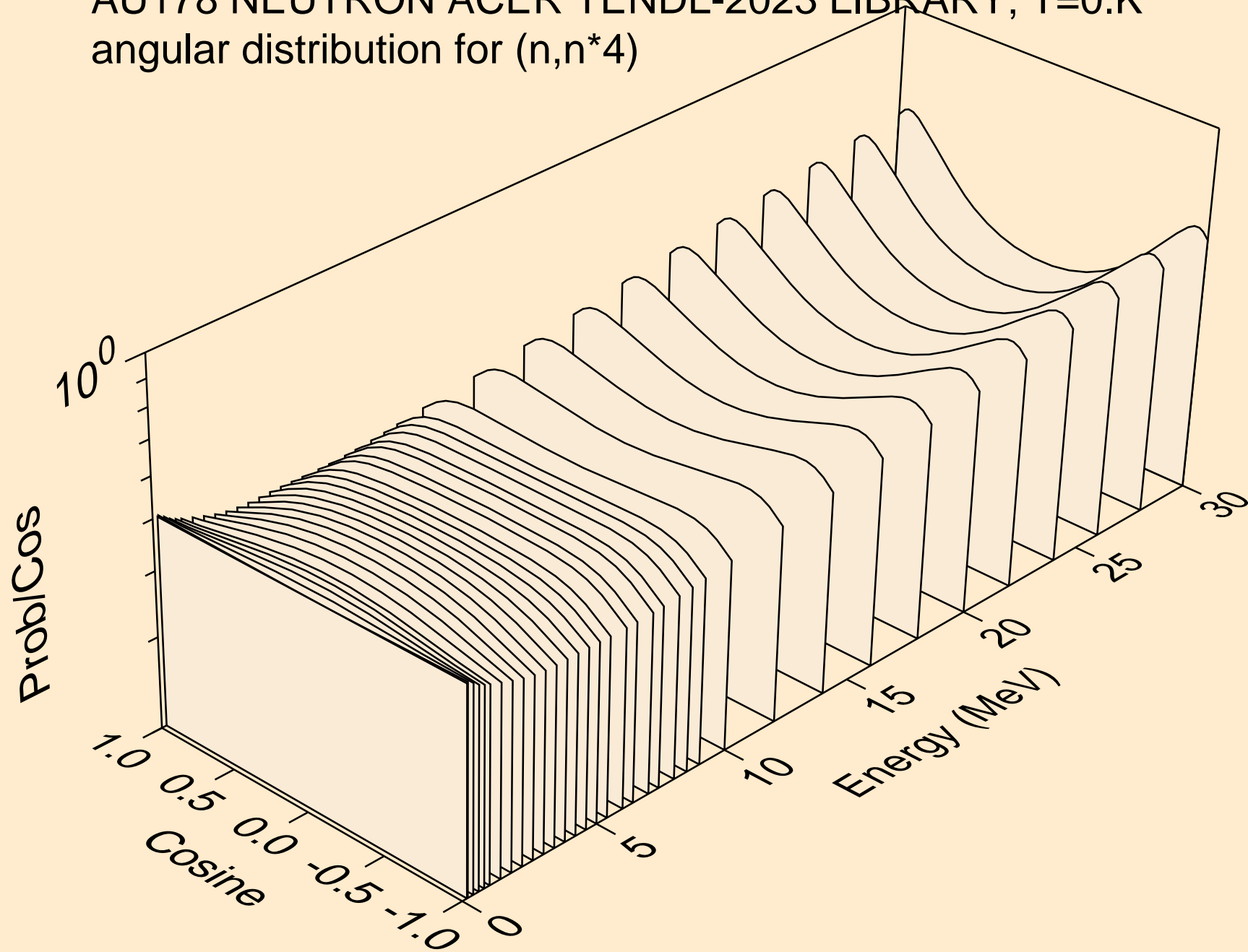
AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*2)



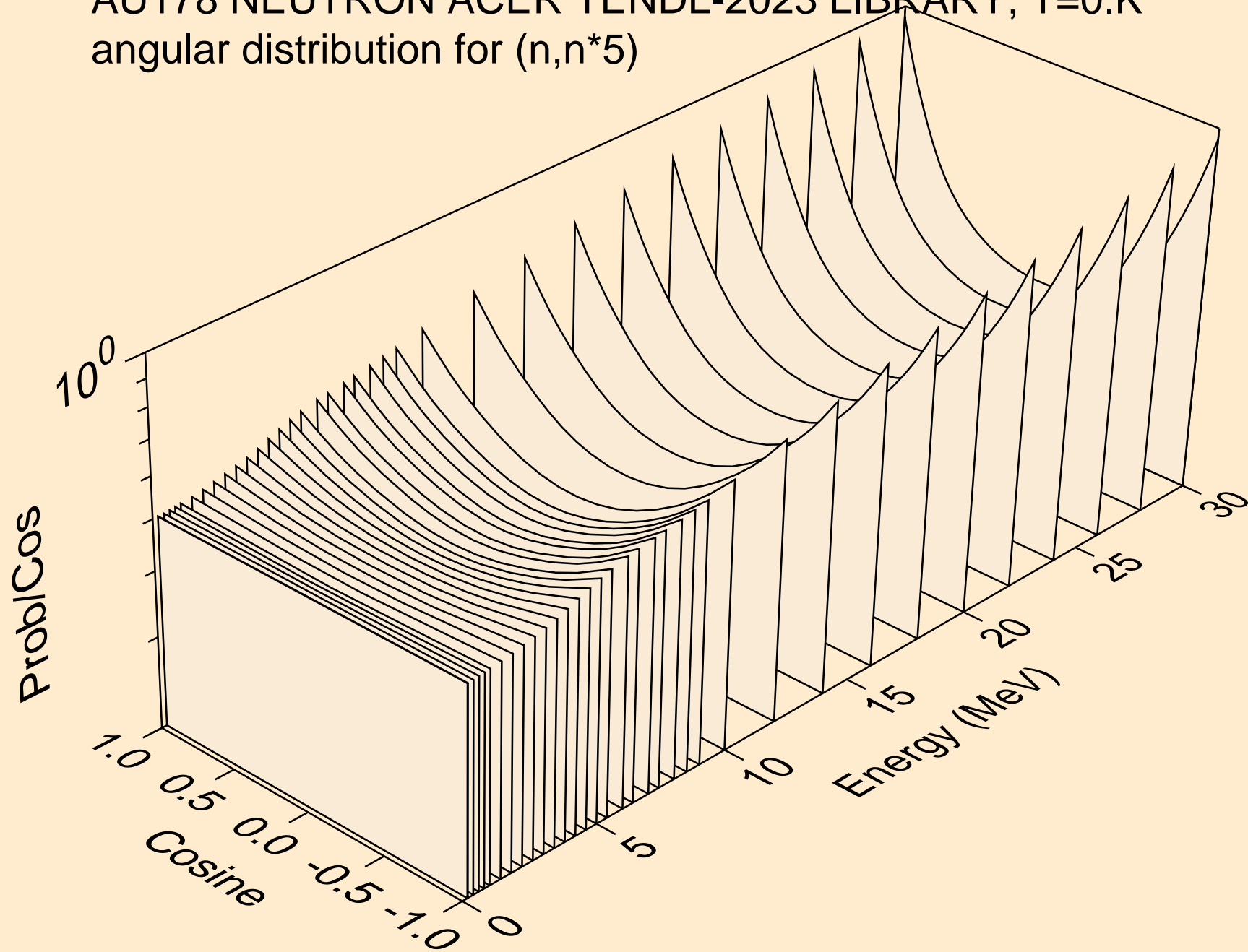
AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*3)



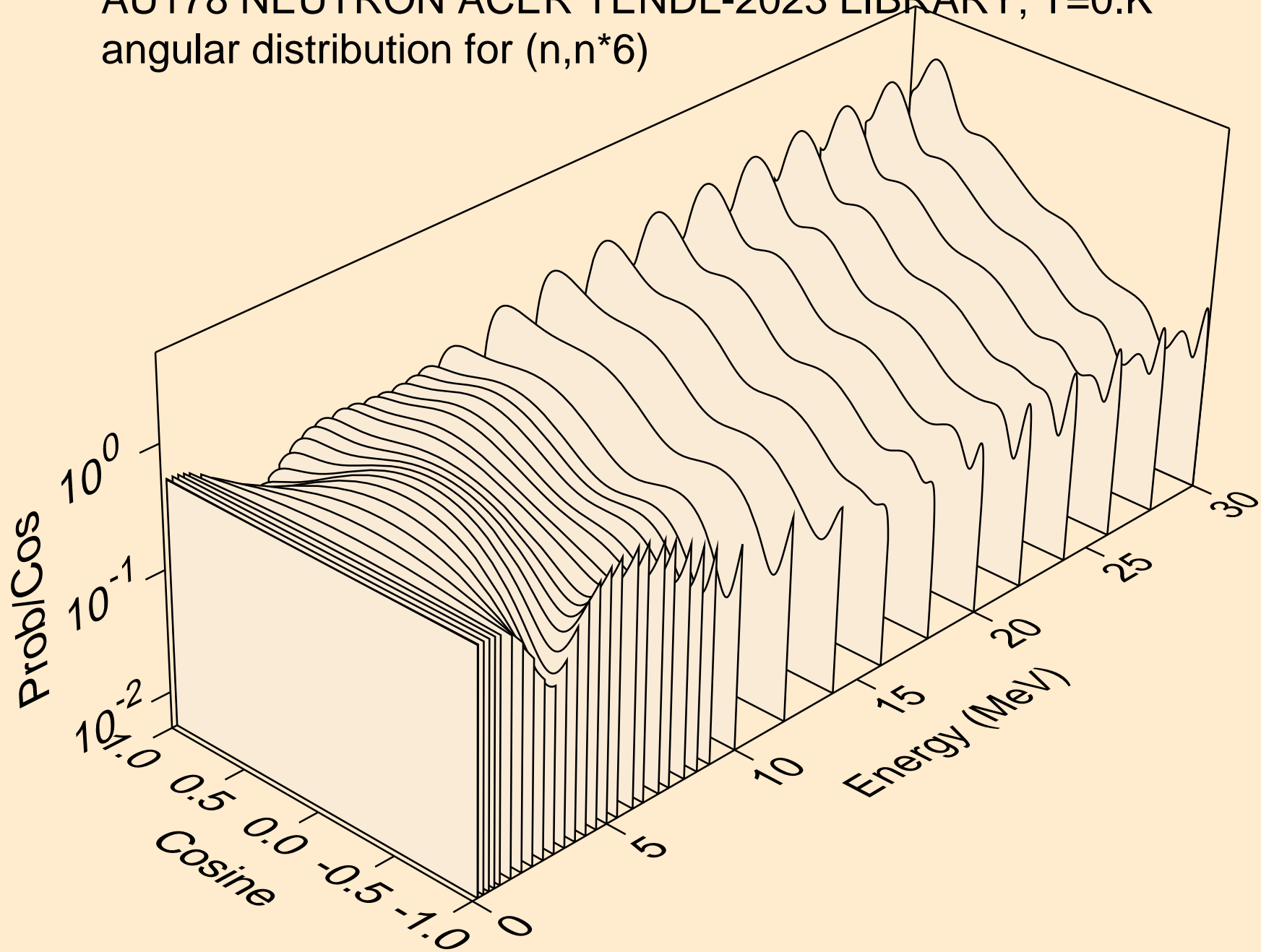
AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*4)



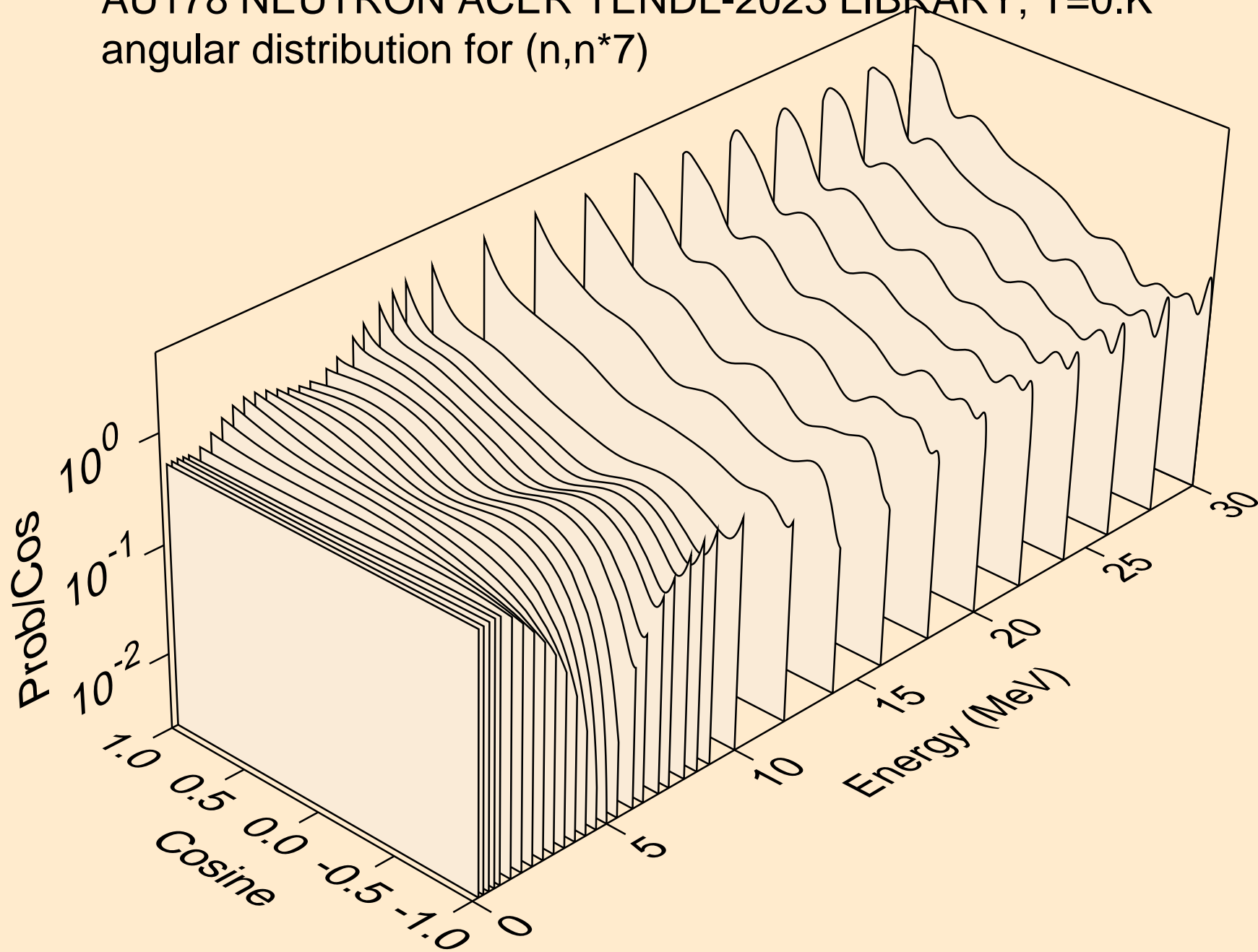
AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*5)



AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*6)

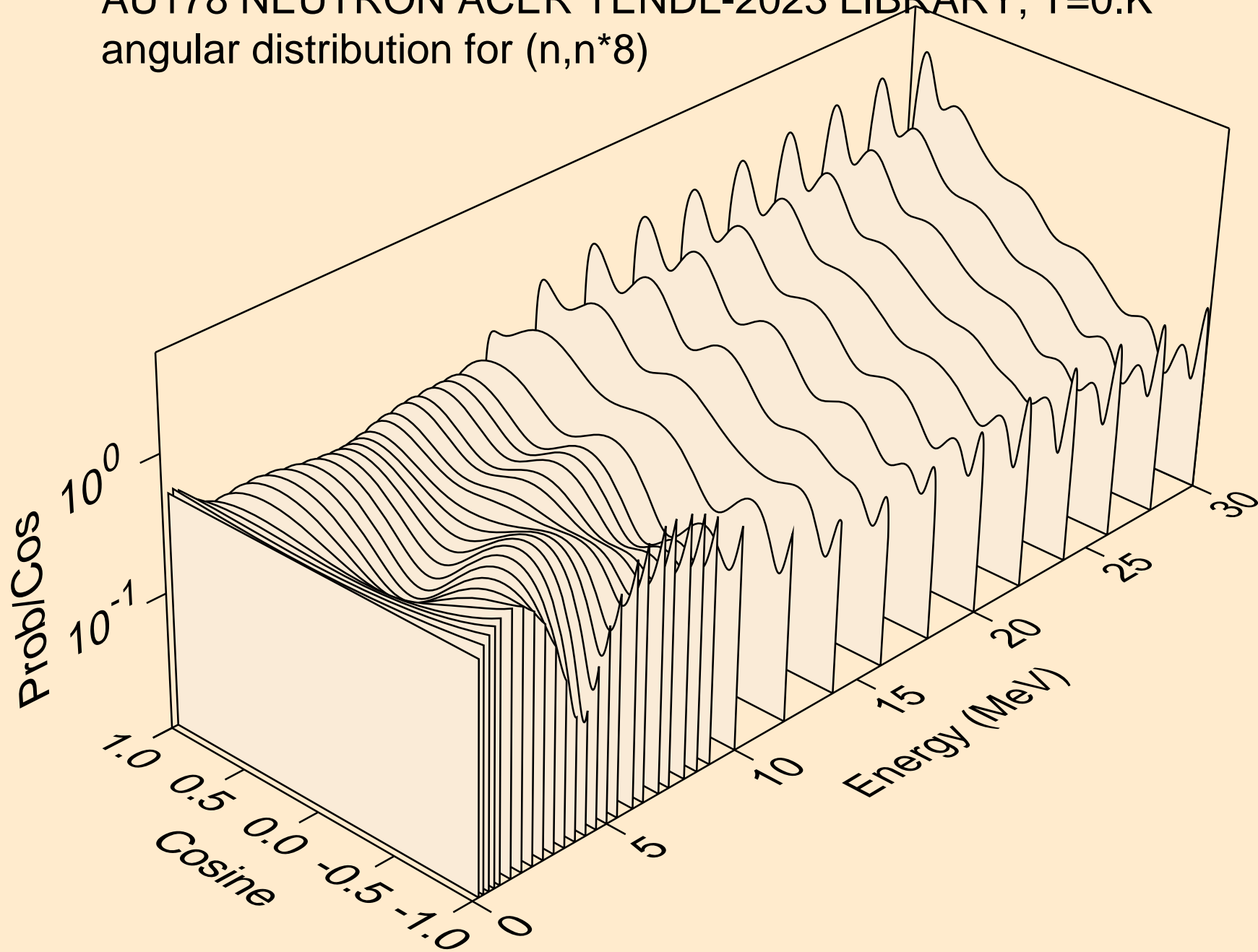


AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*7)



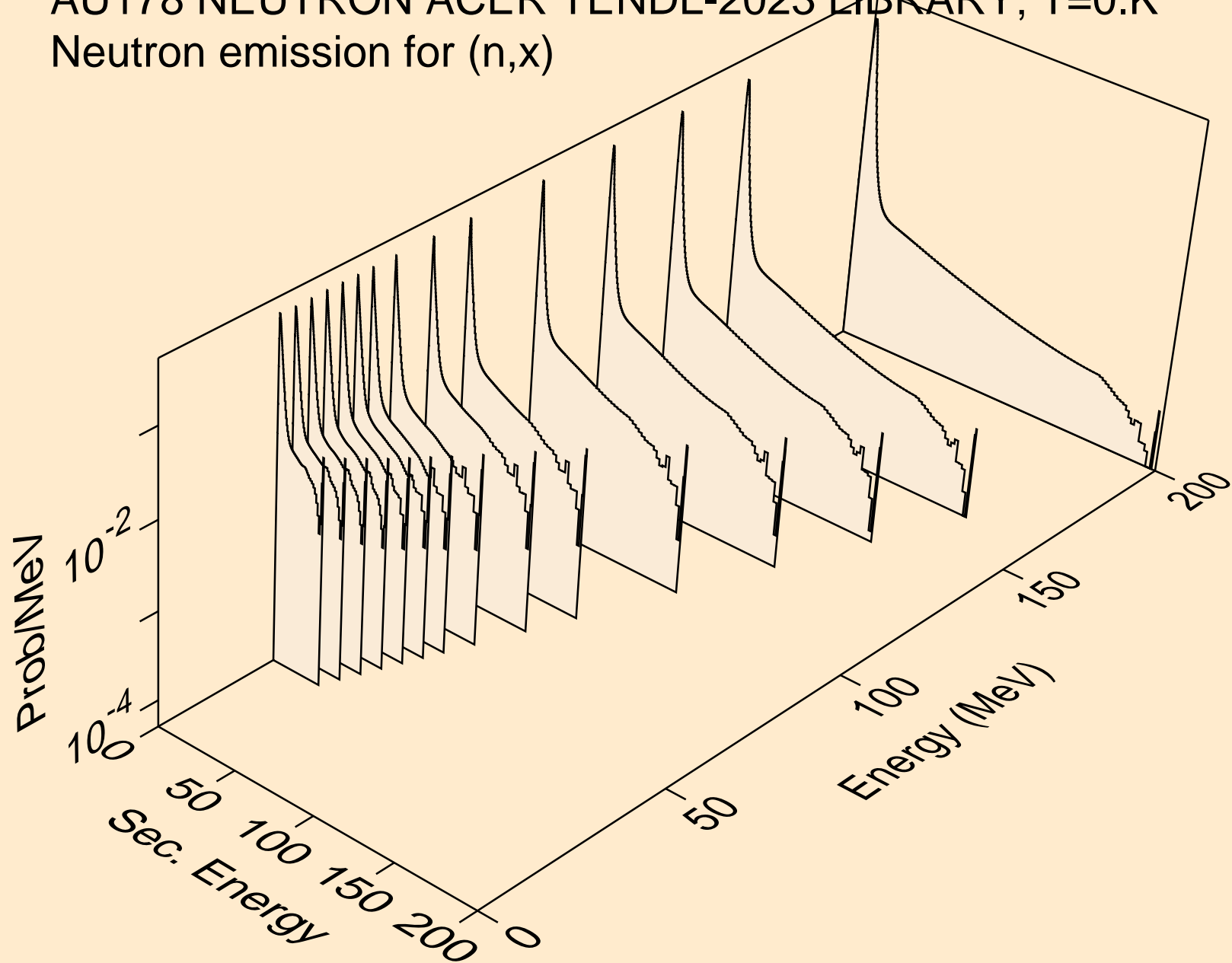


AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*8)

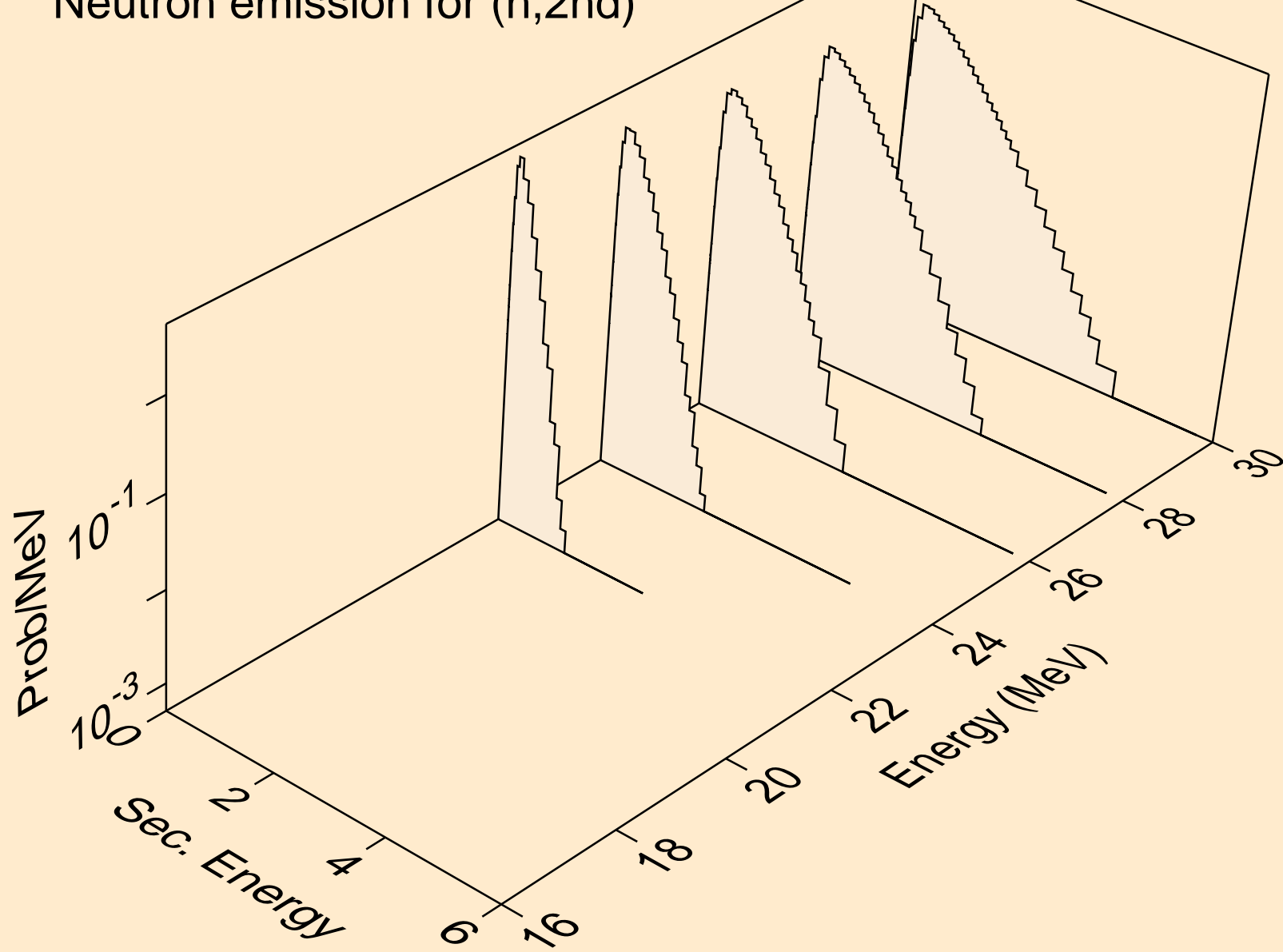




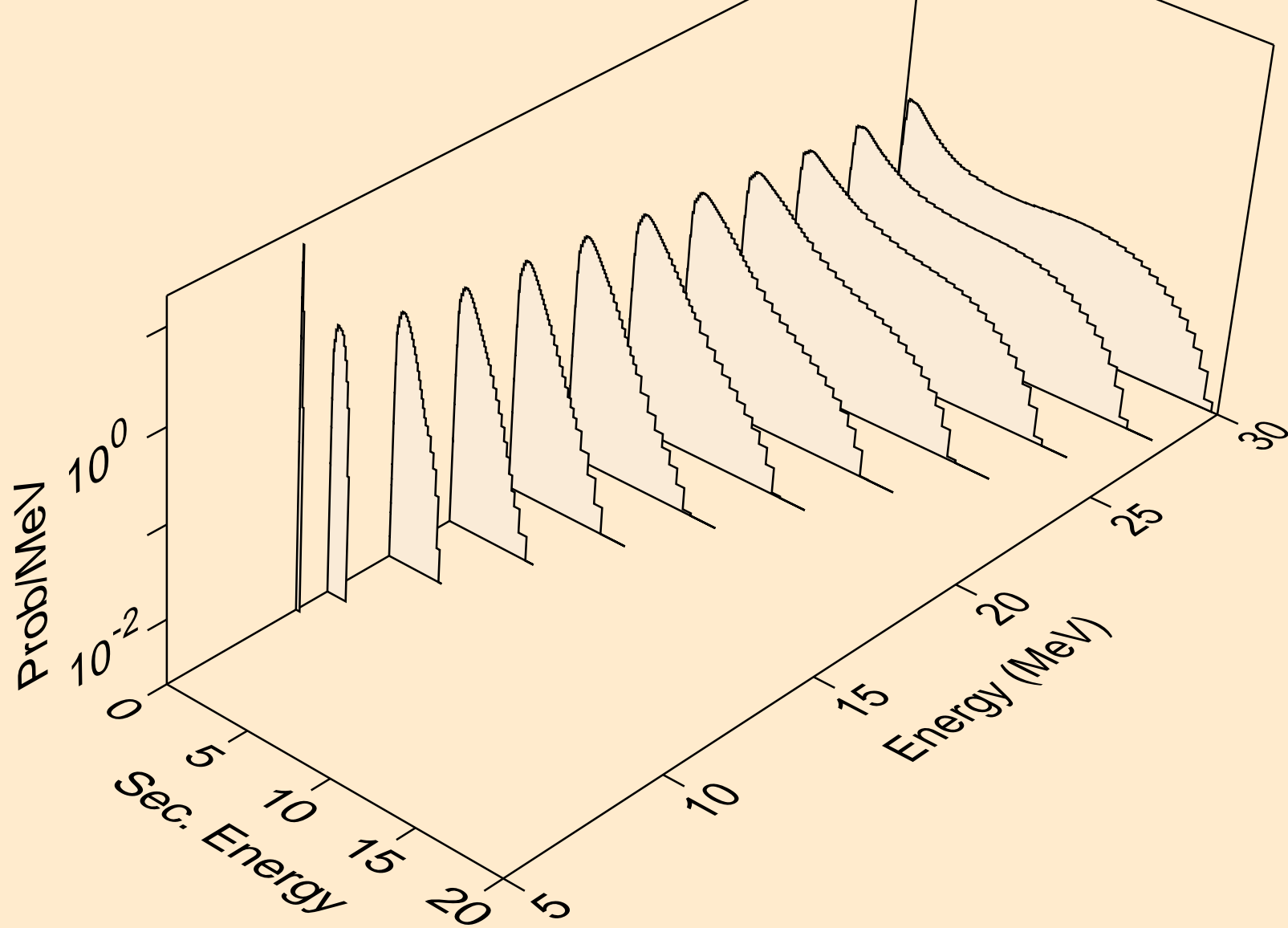
AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,x)



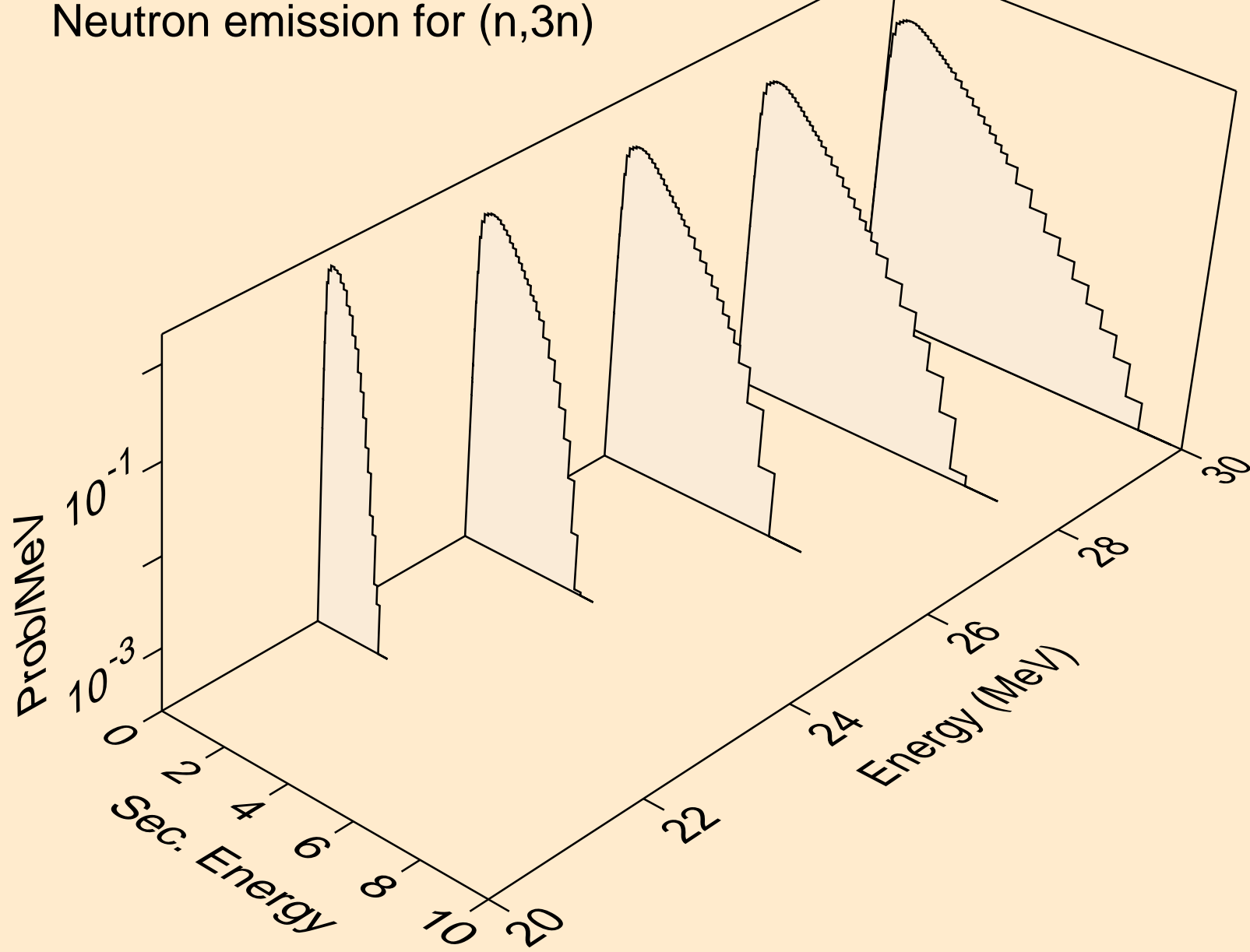
AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



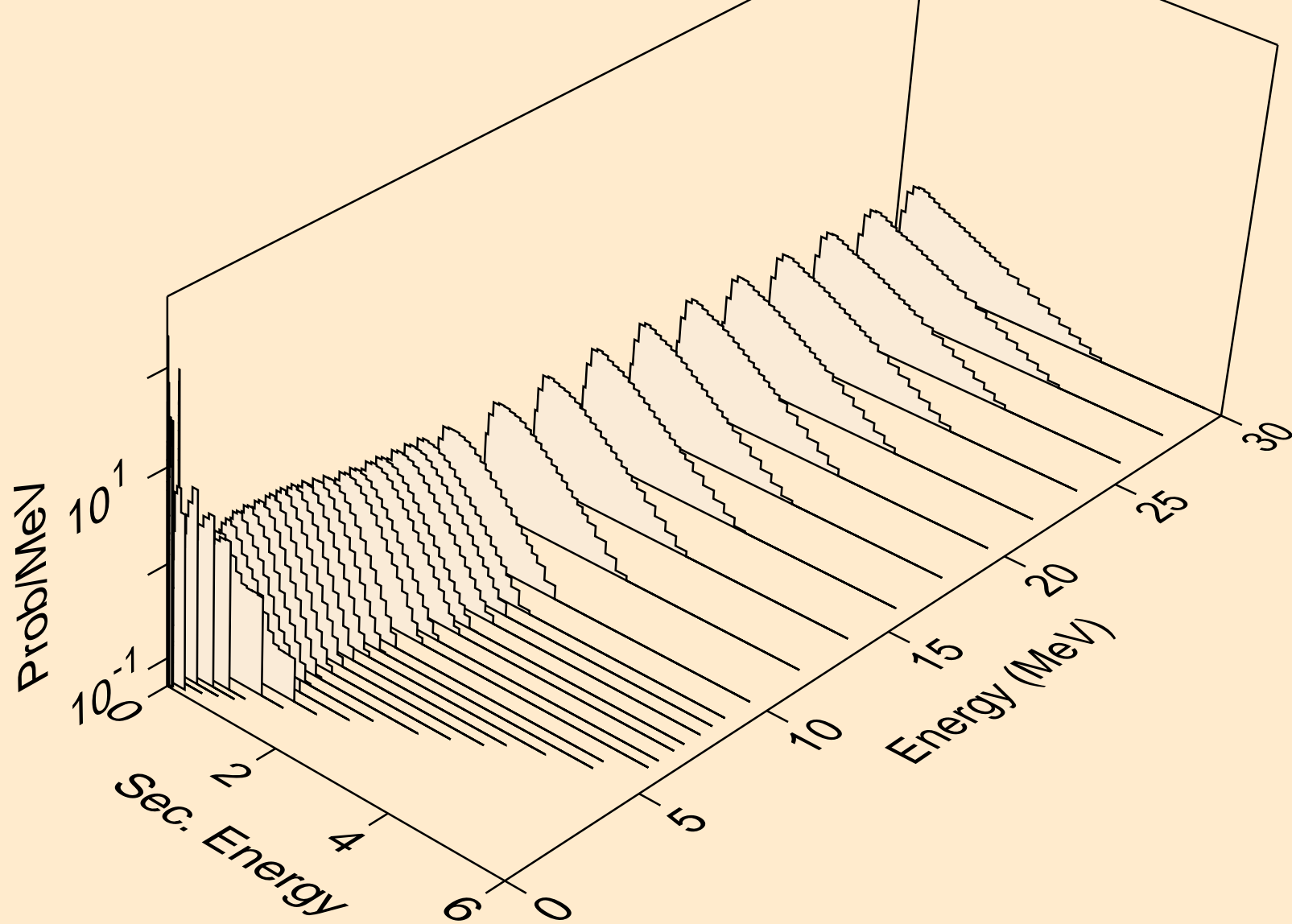
AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)



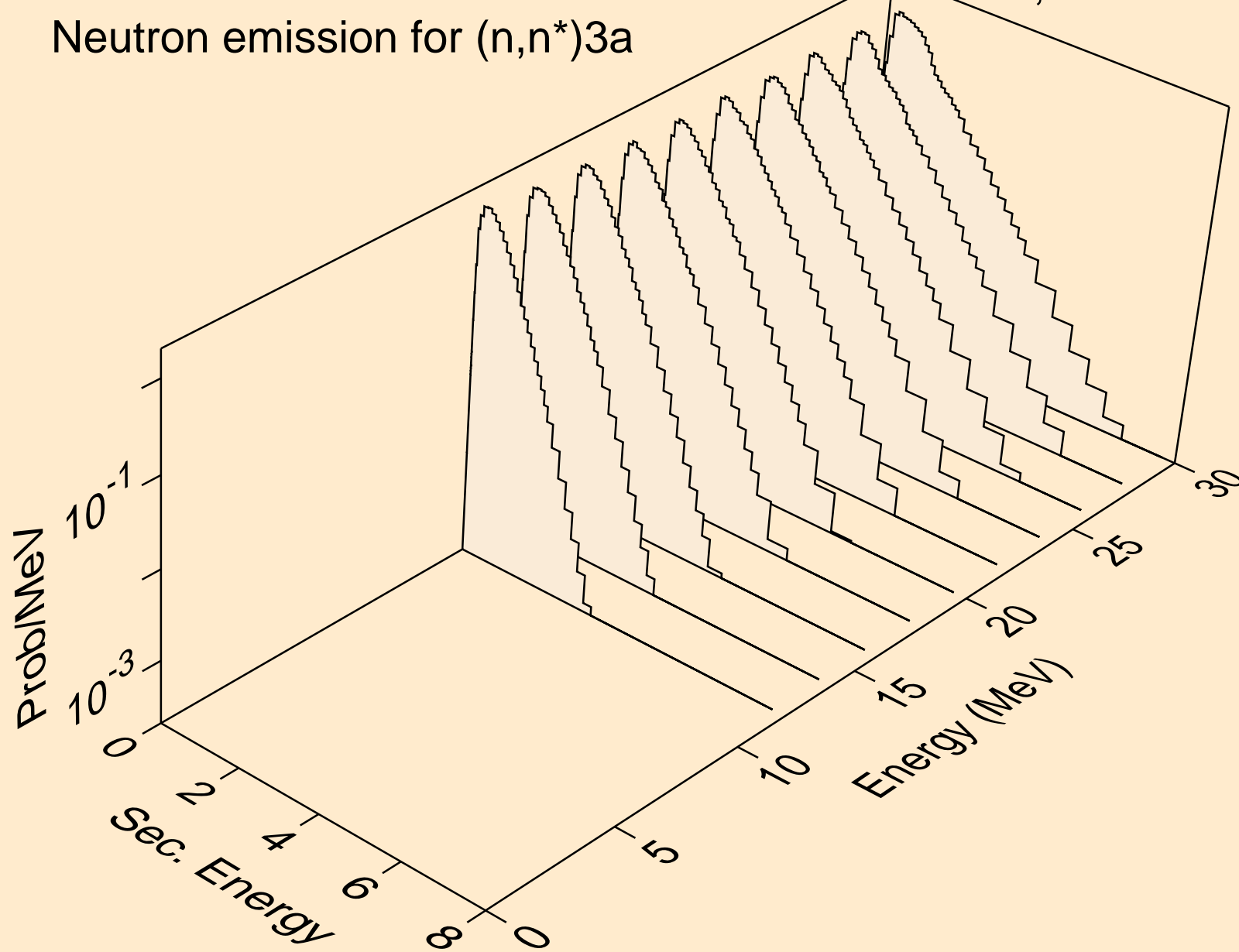
AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)



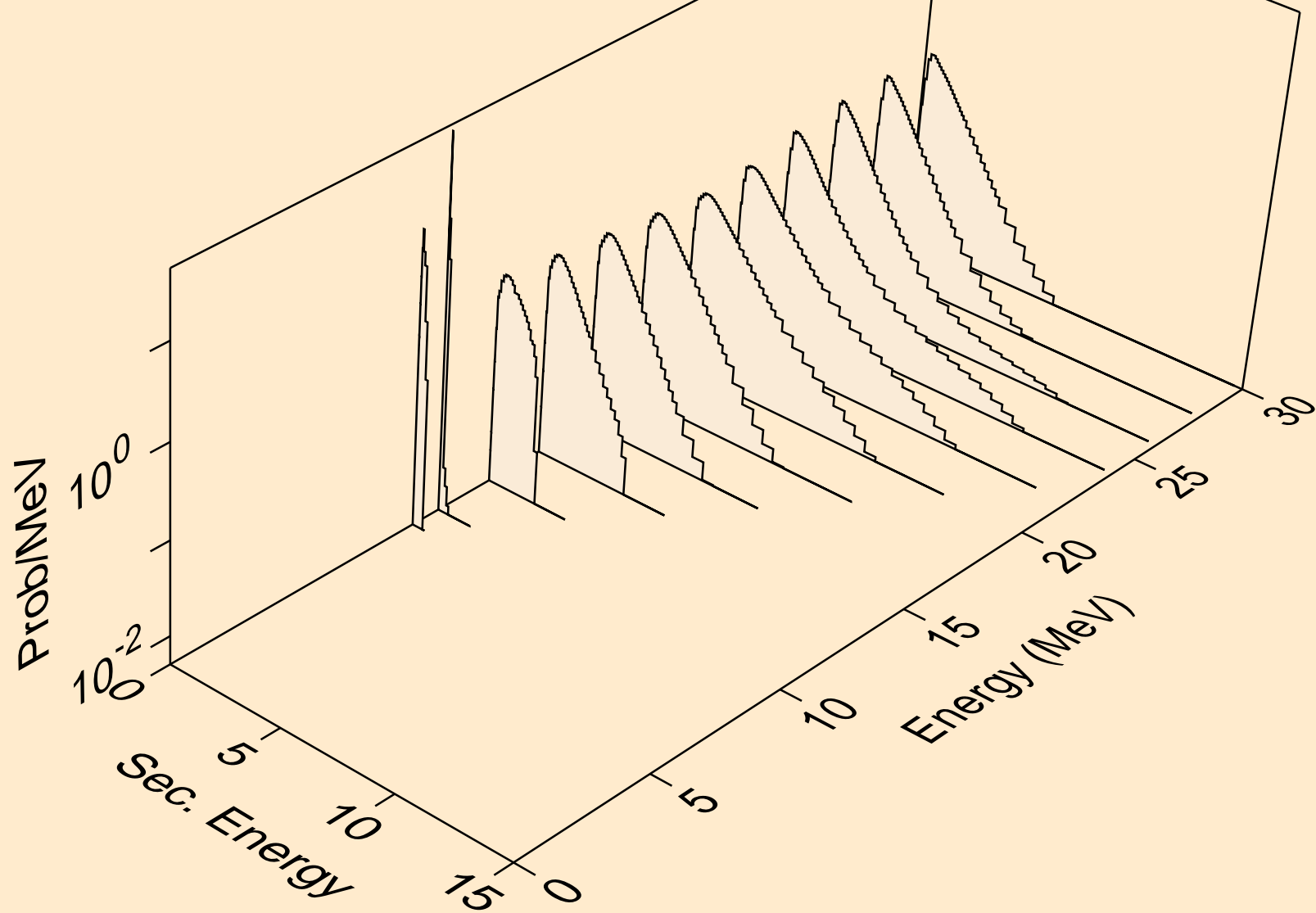
AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



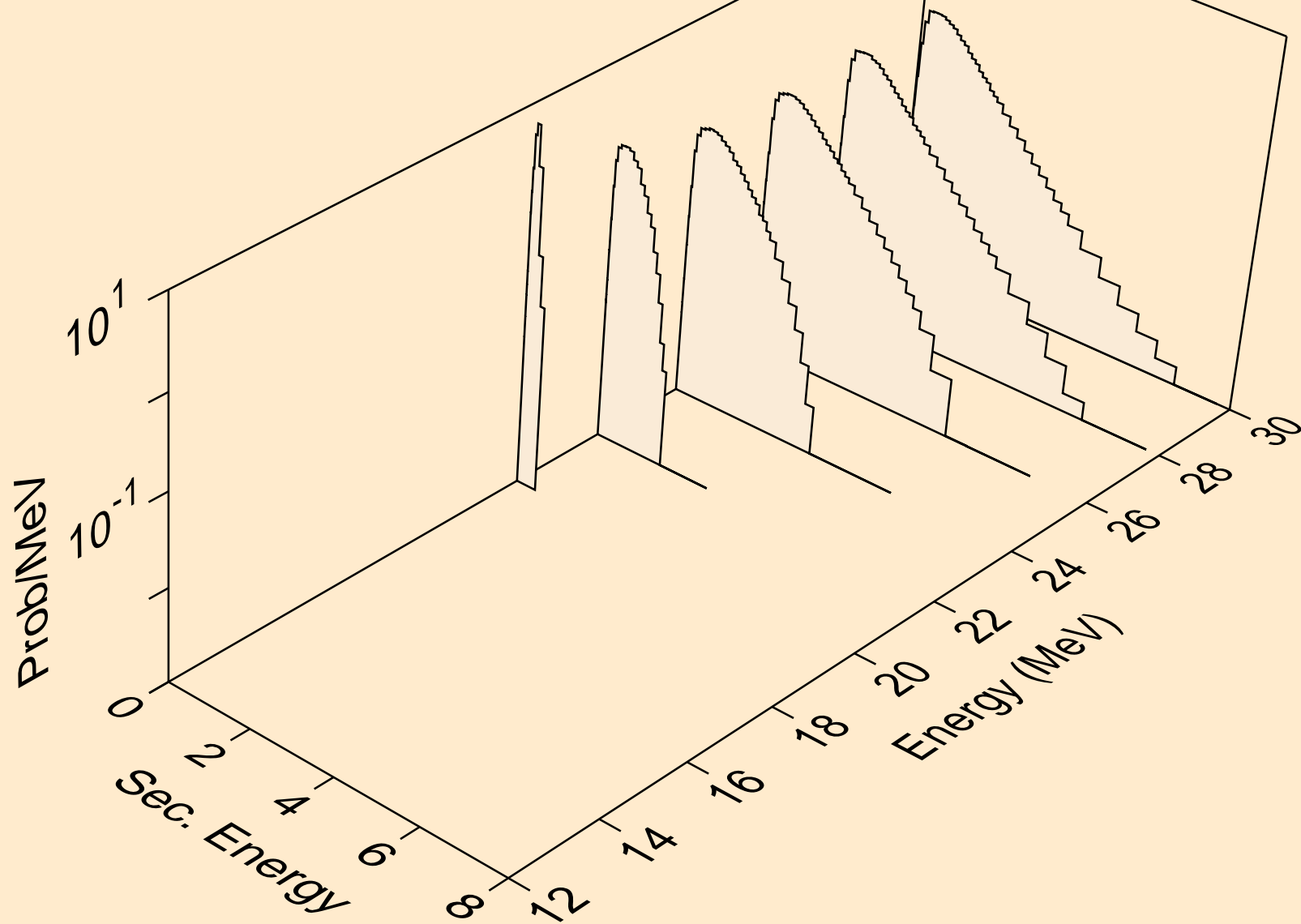
AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)3a



AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)a

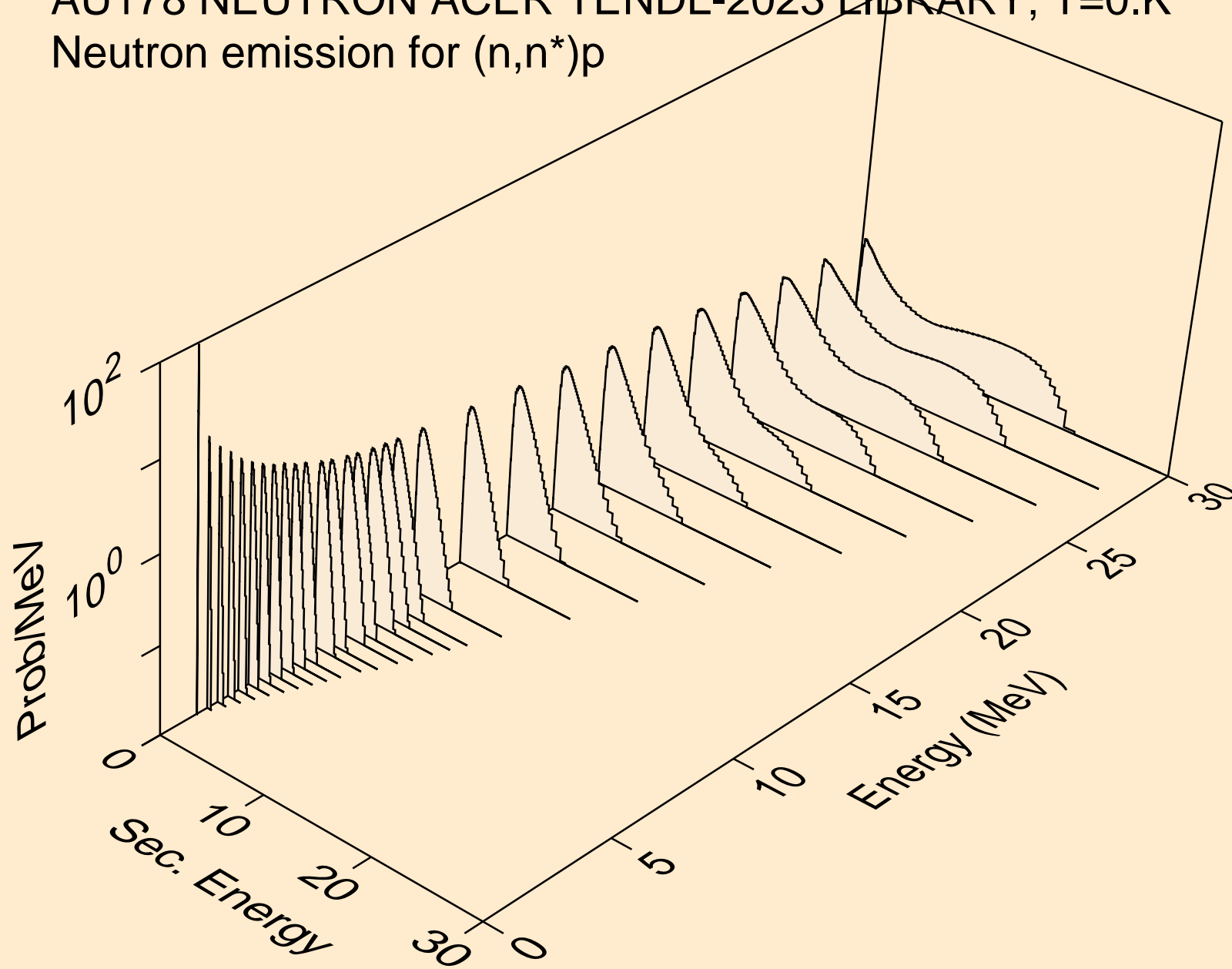


AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)a

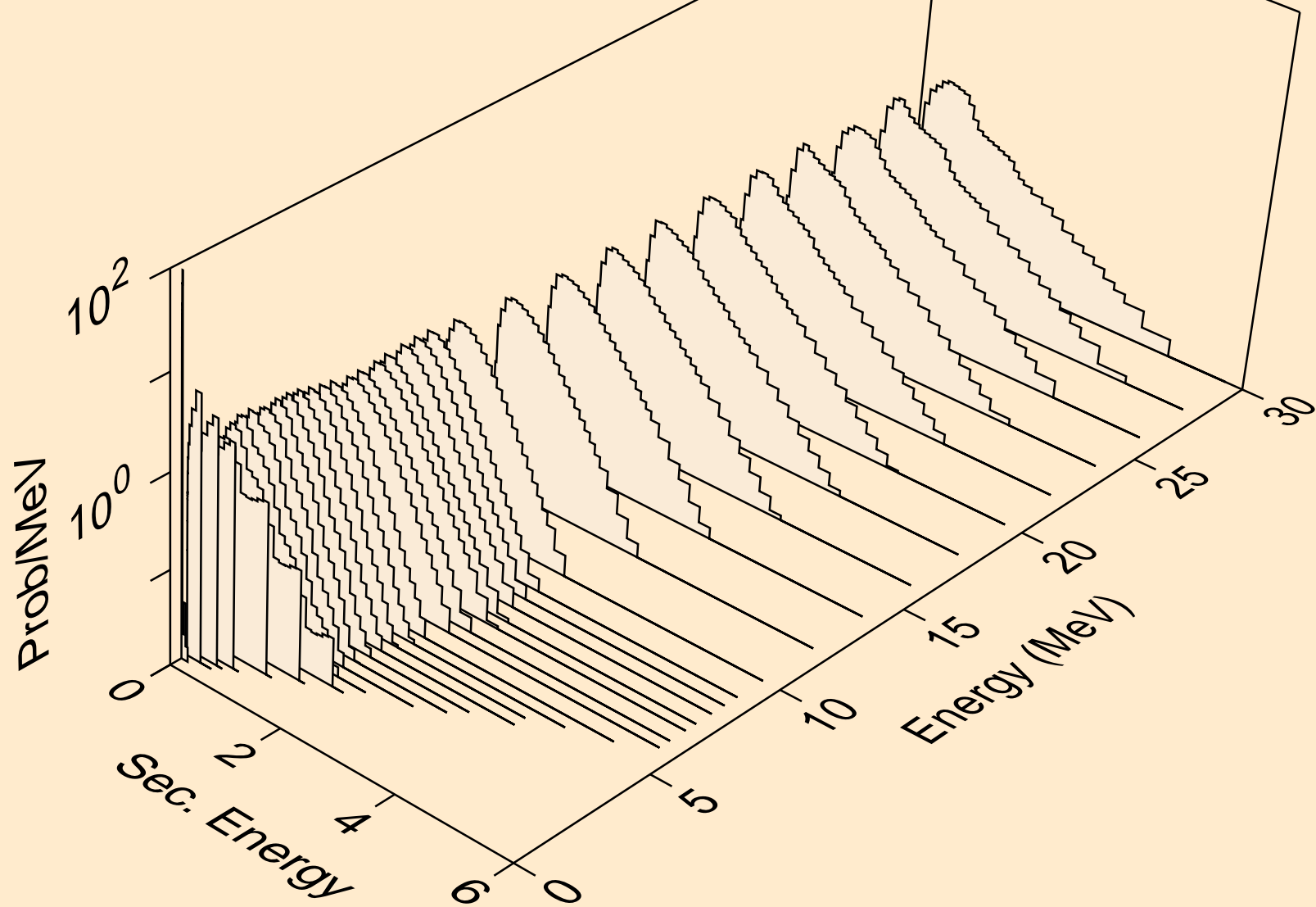




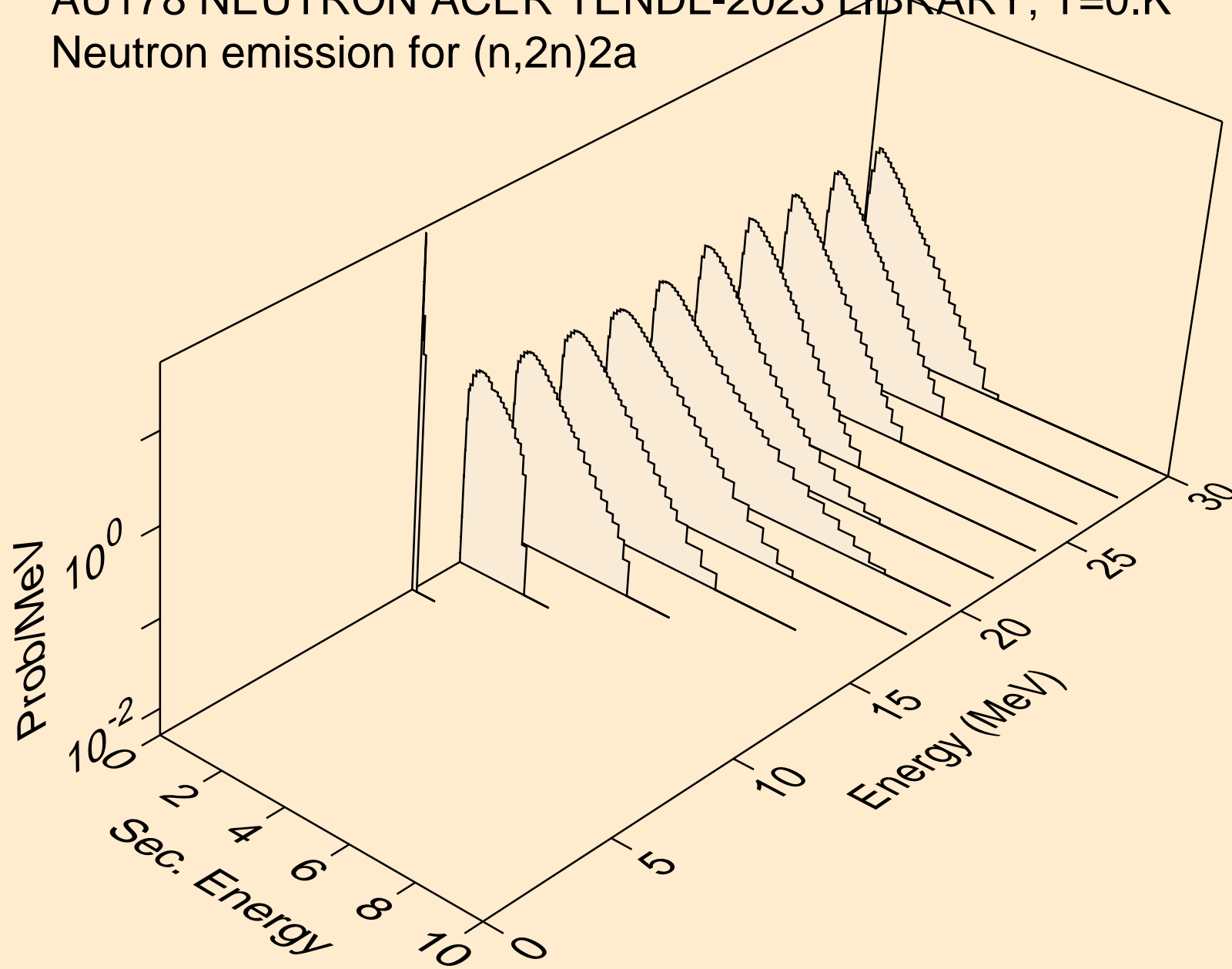
AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



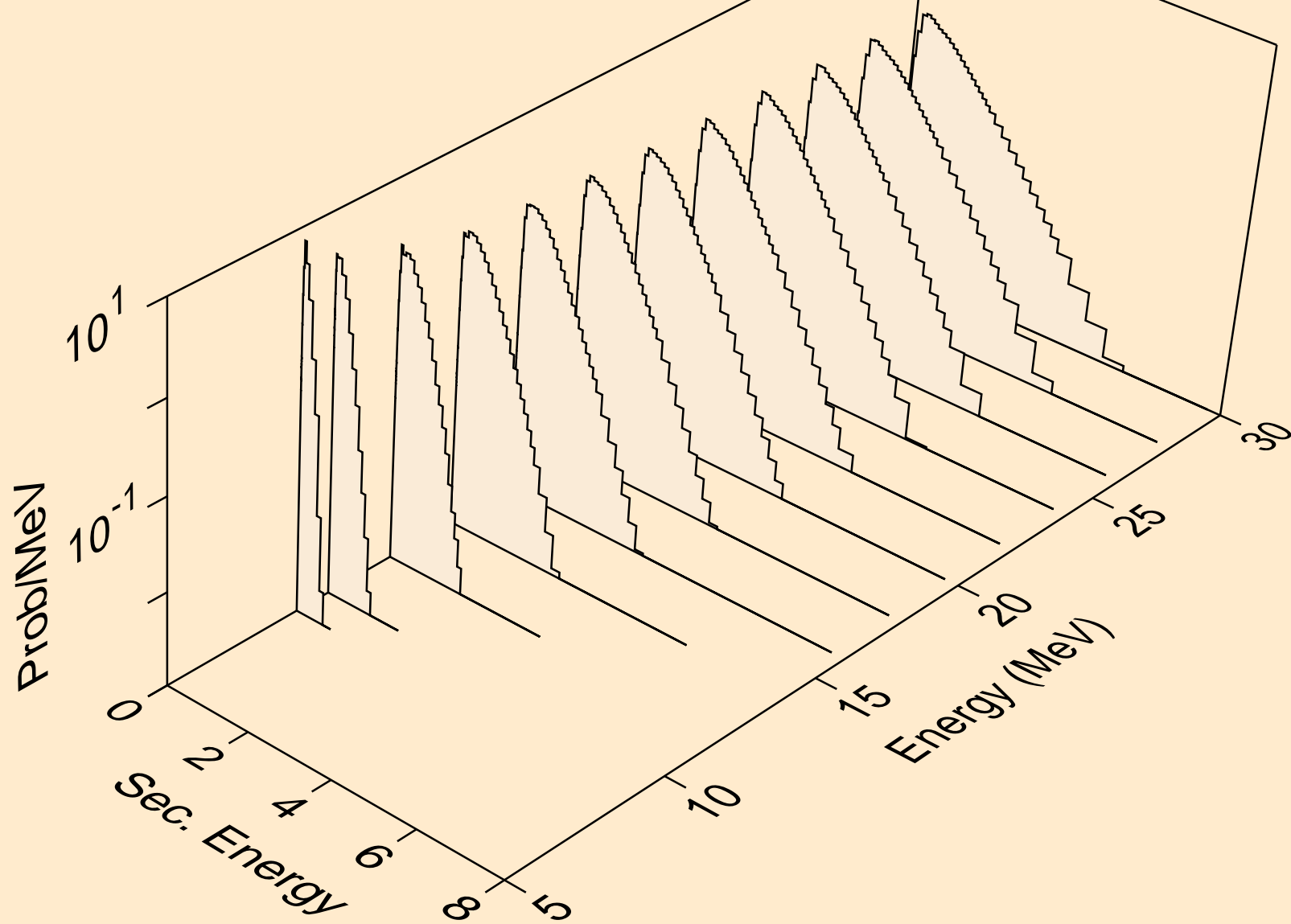
AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)2a



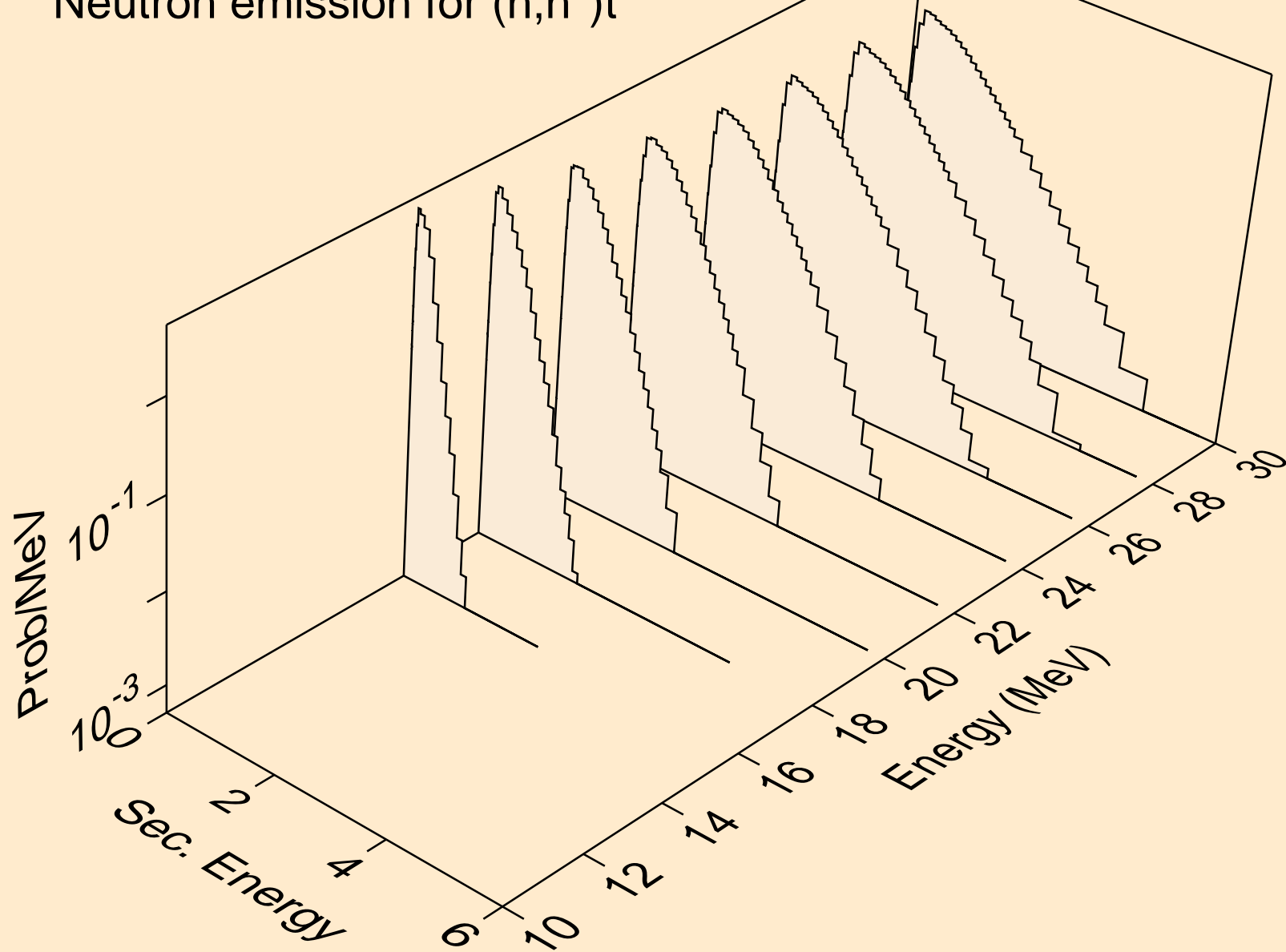
AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)2a



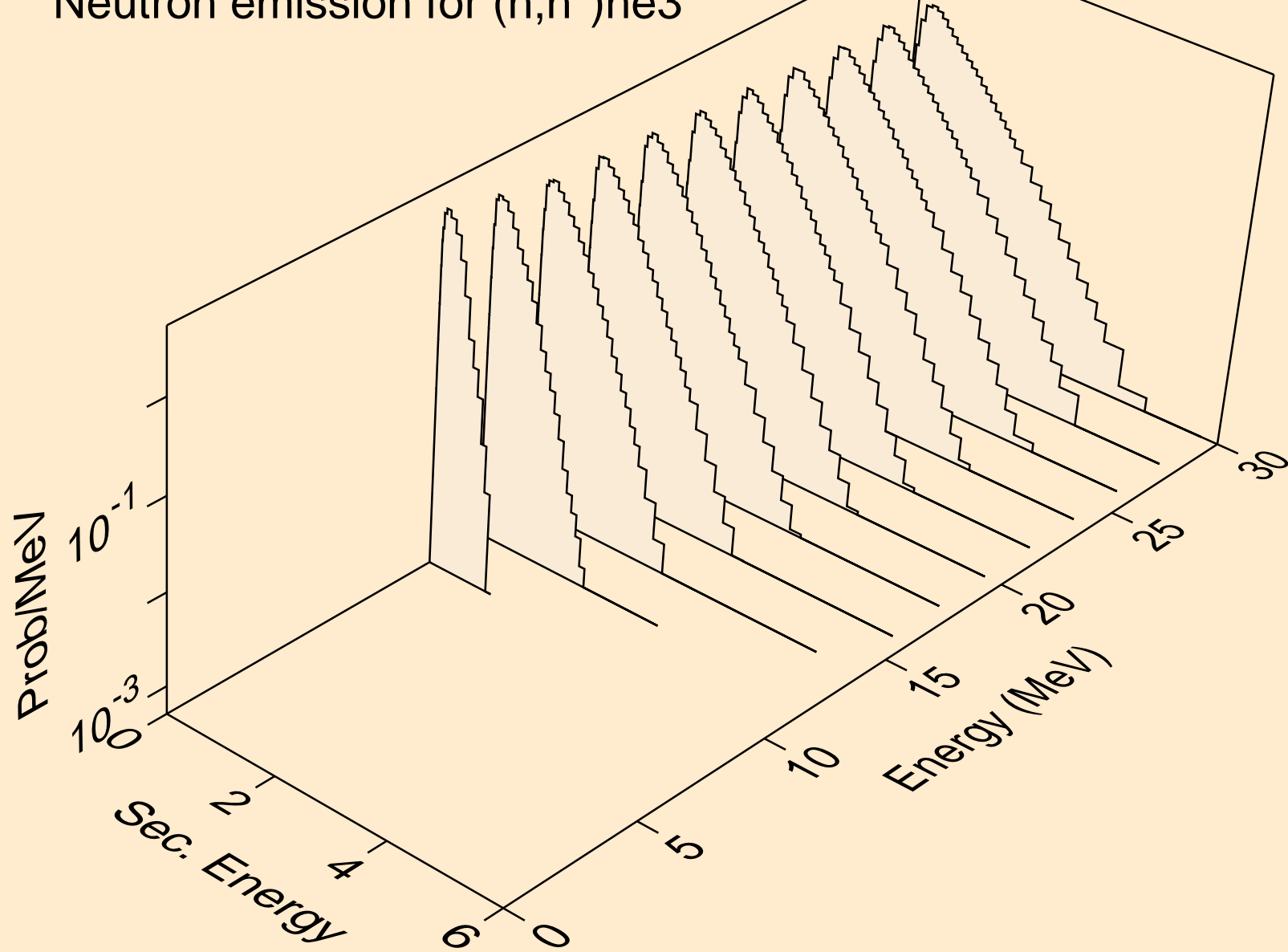
AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d



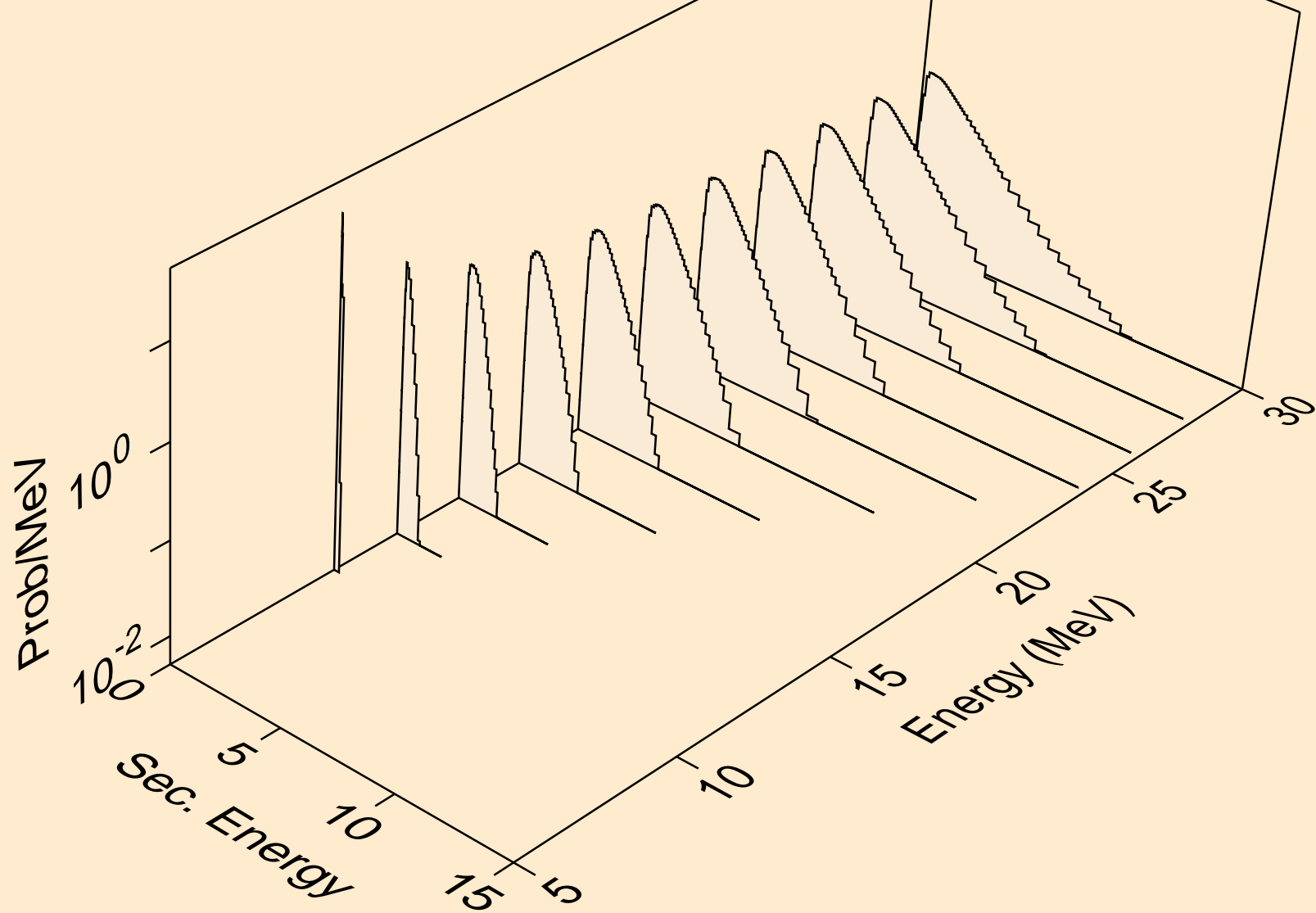
AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



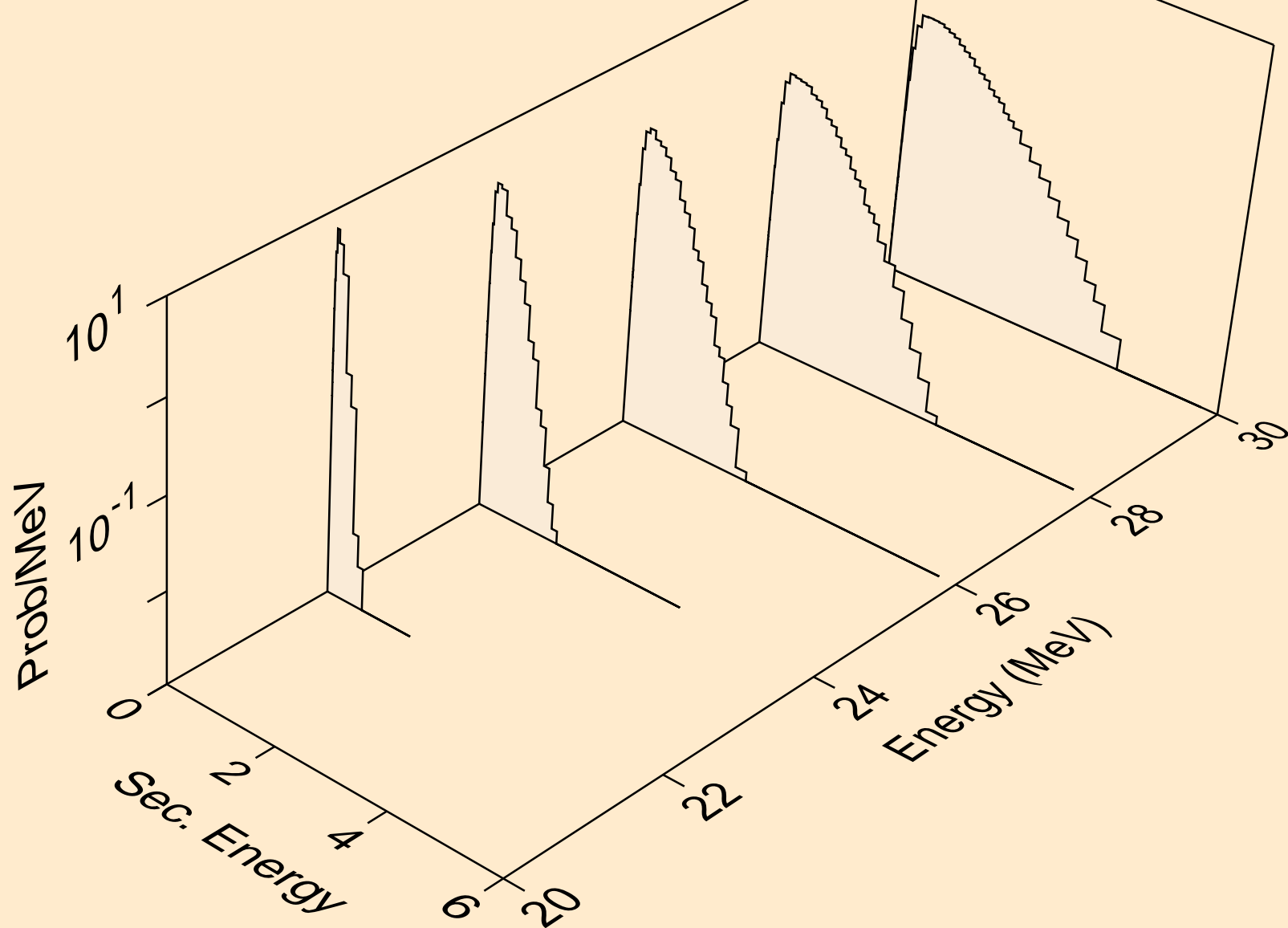
AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2np)

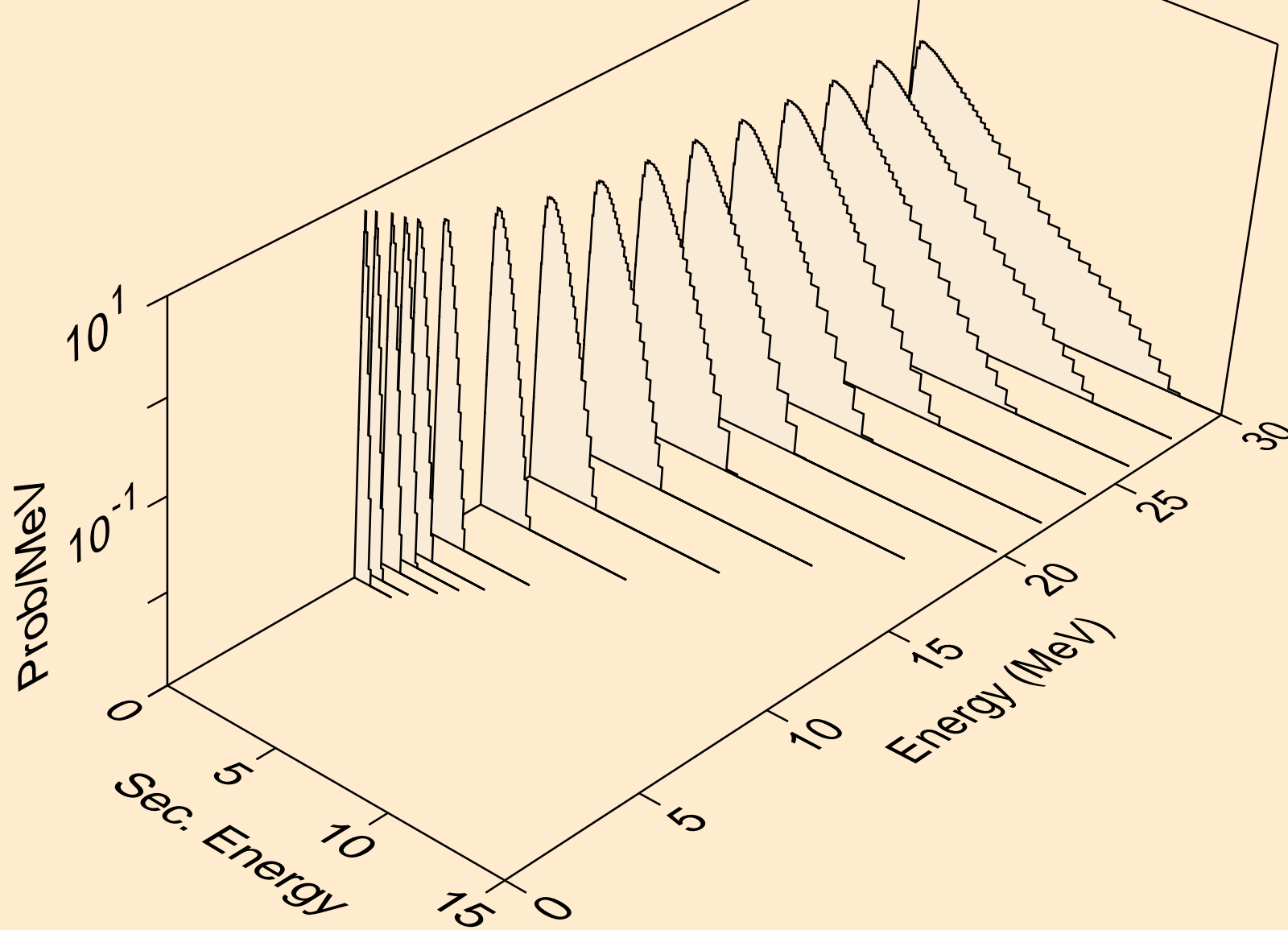


AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3np)

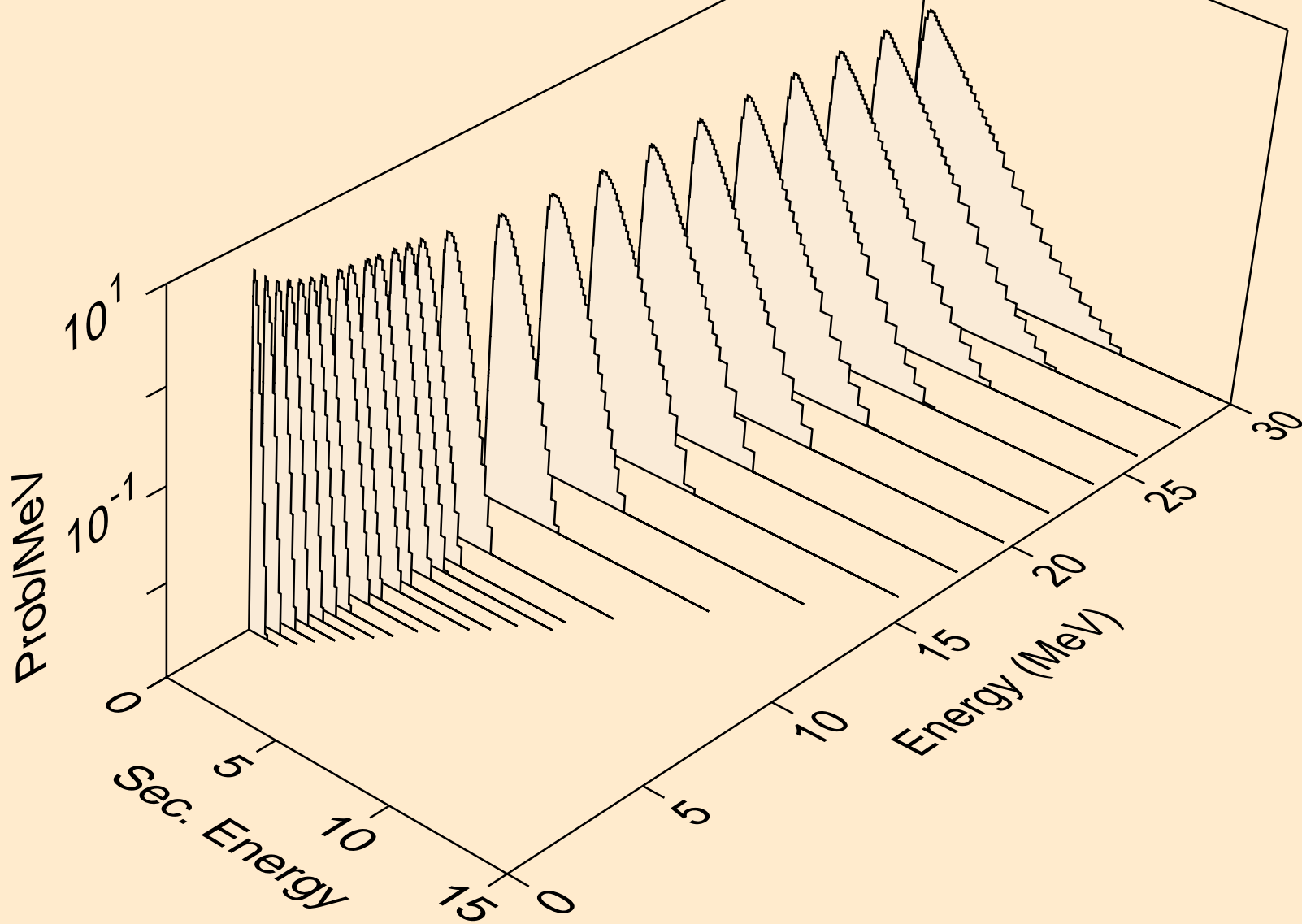




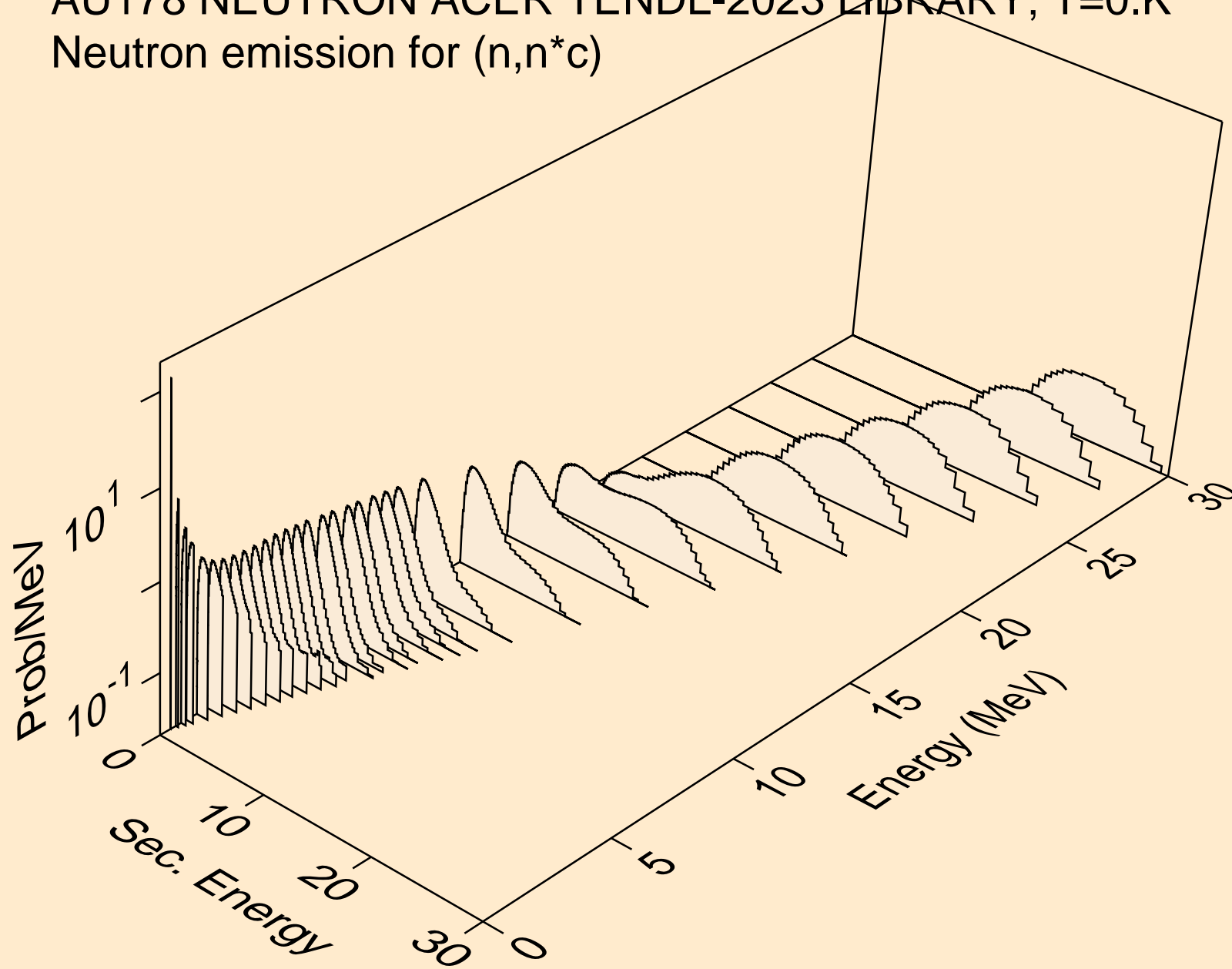
AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n2p)



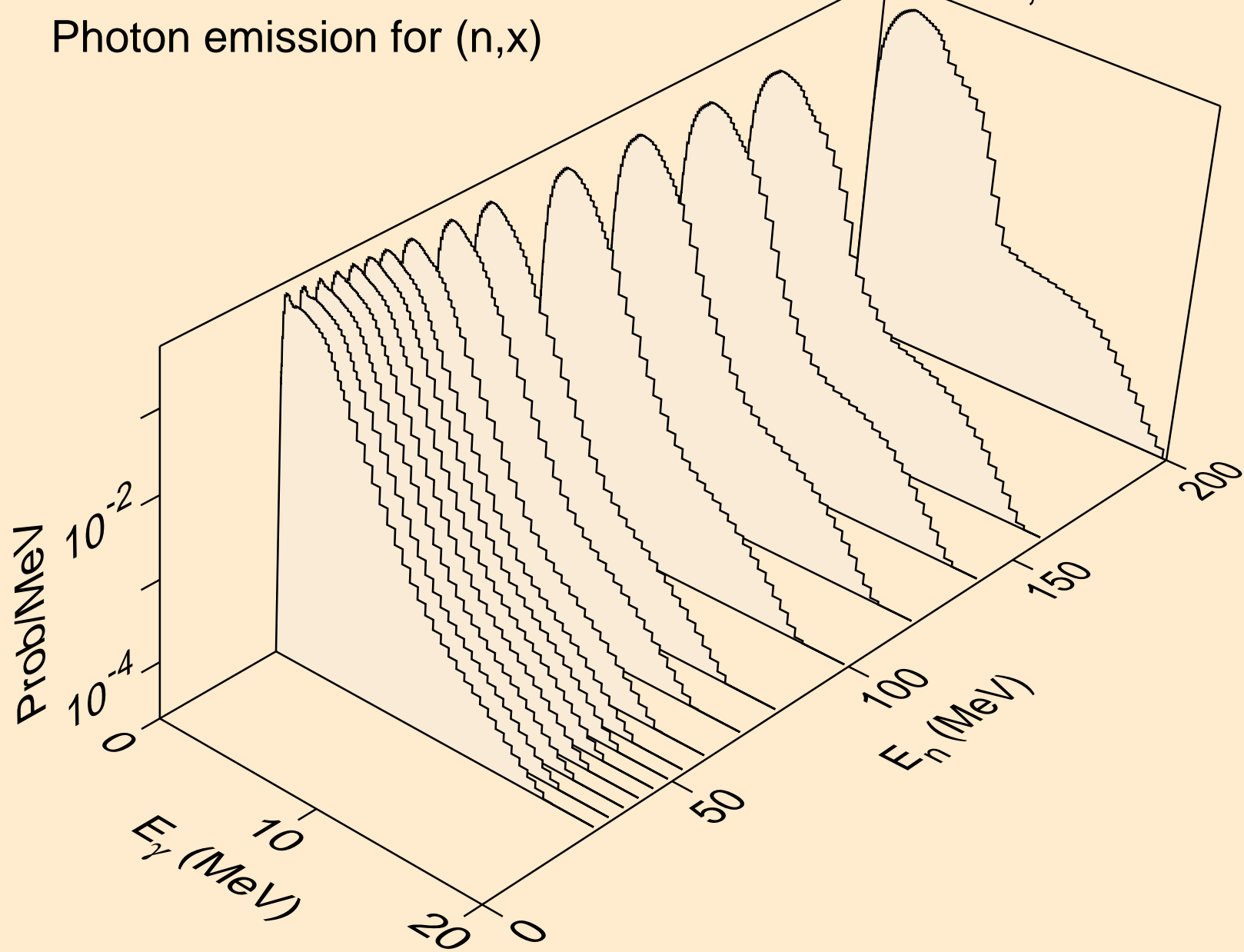
AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,npa)



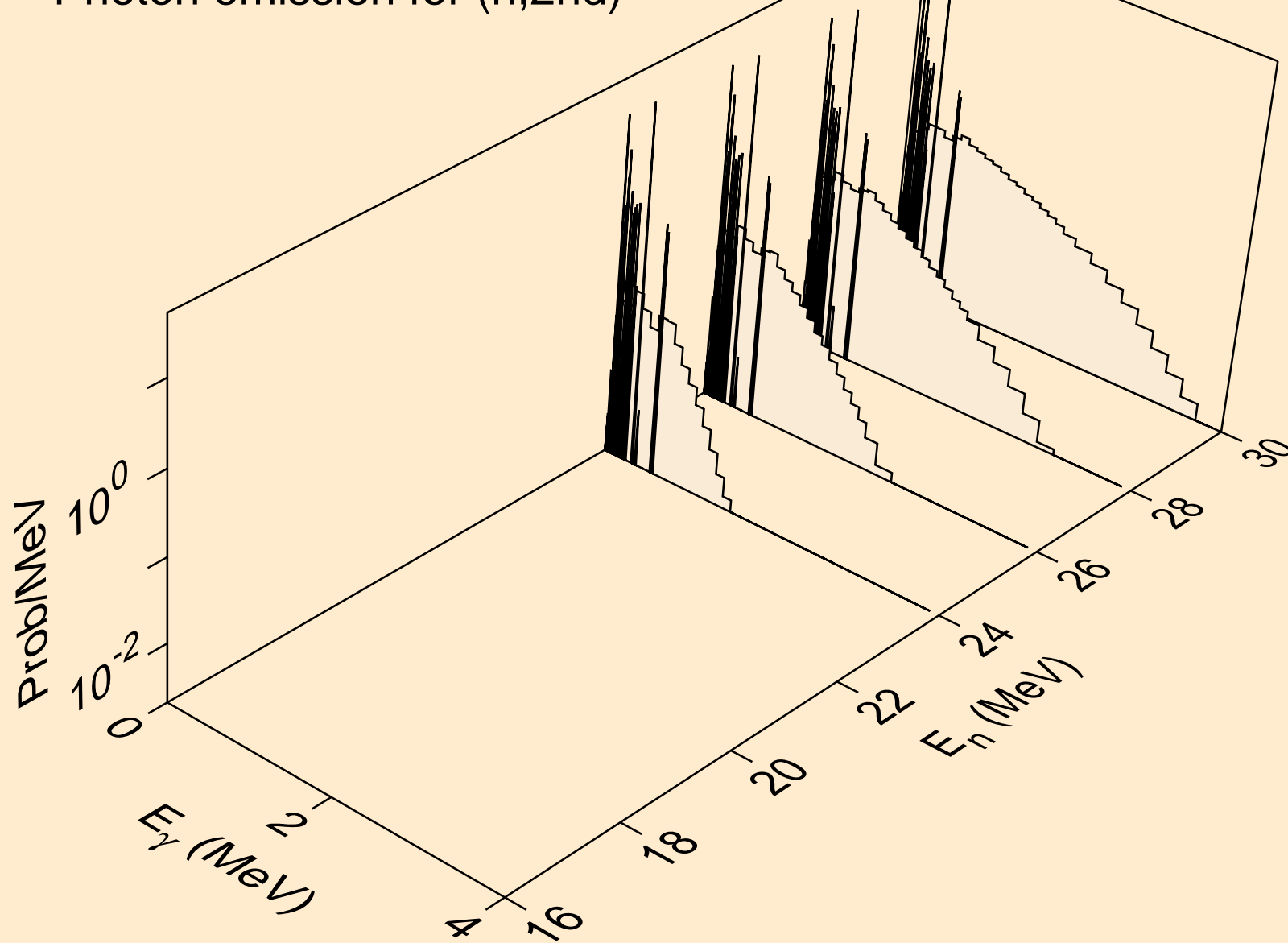
AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)



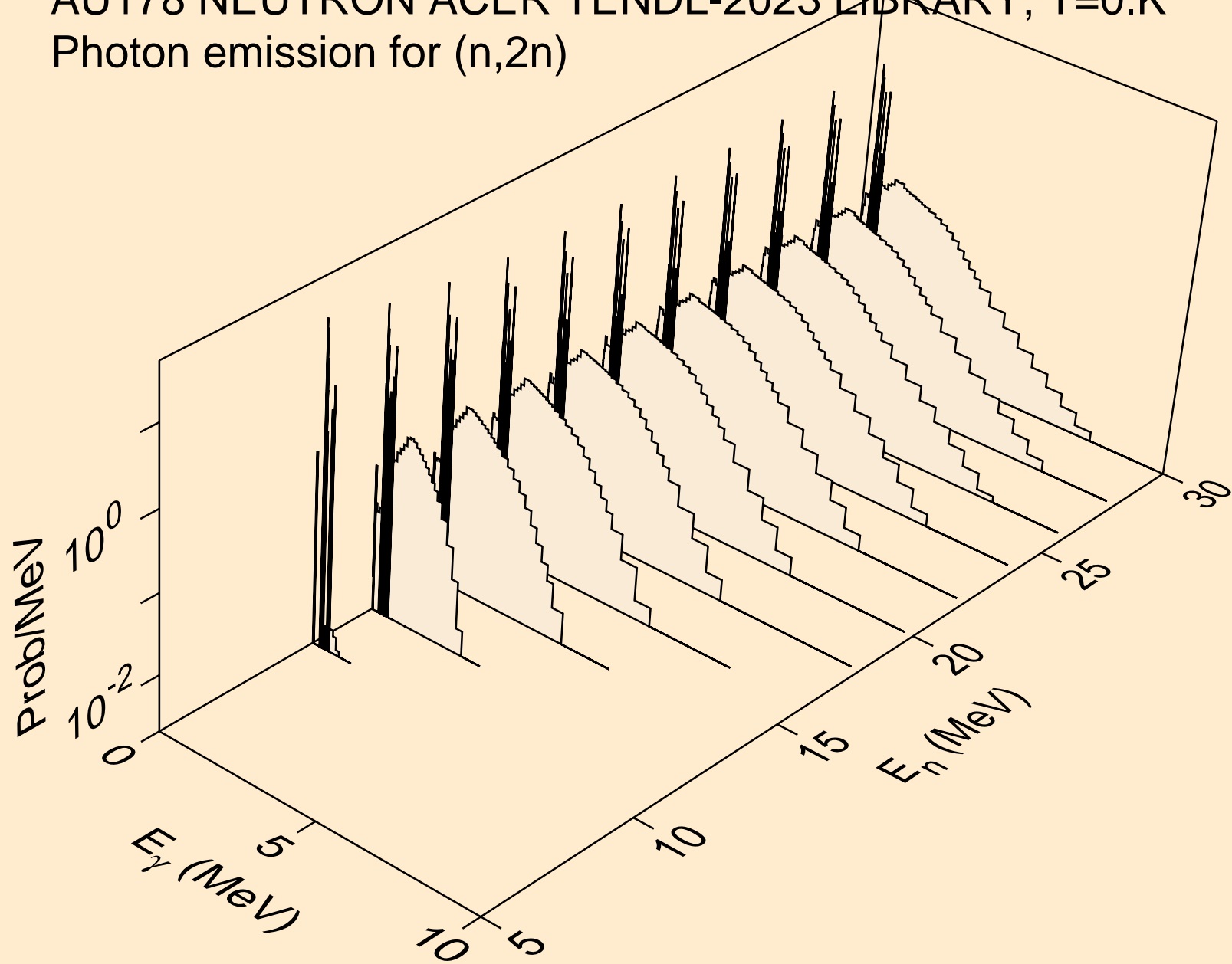
AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,x)



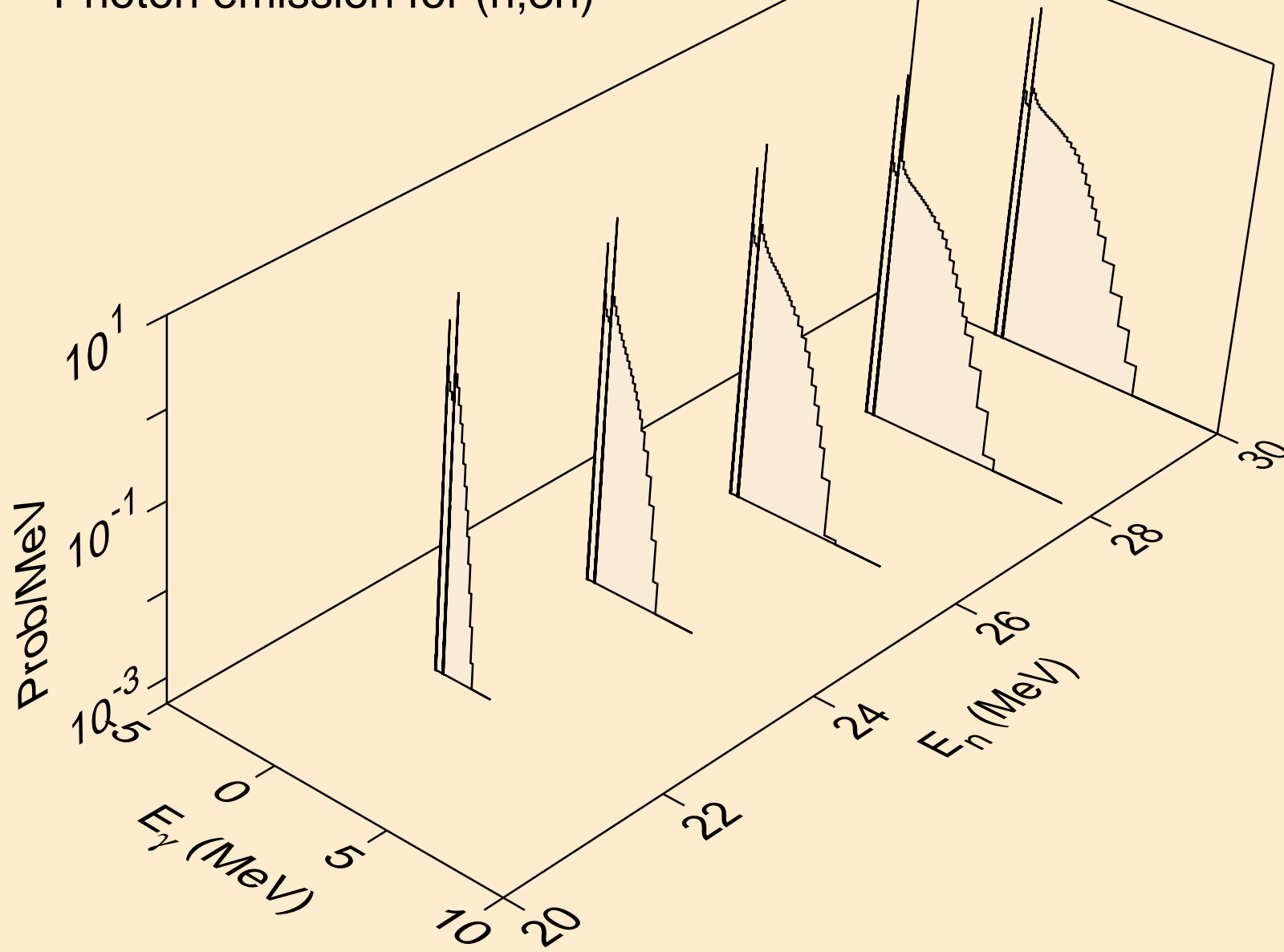
AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



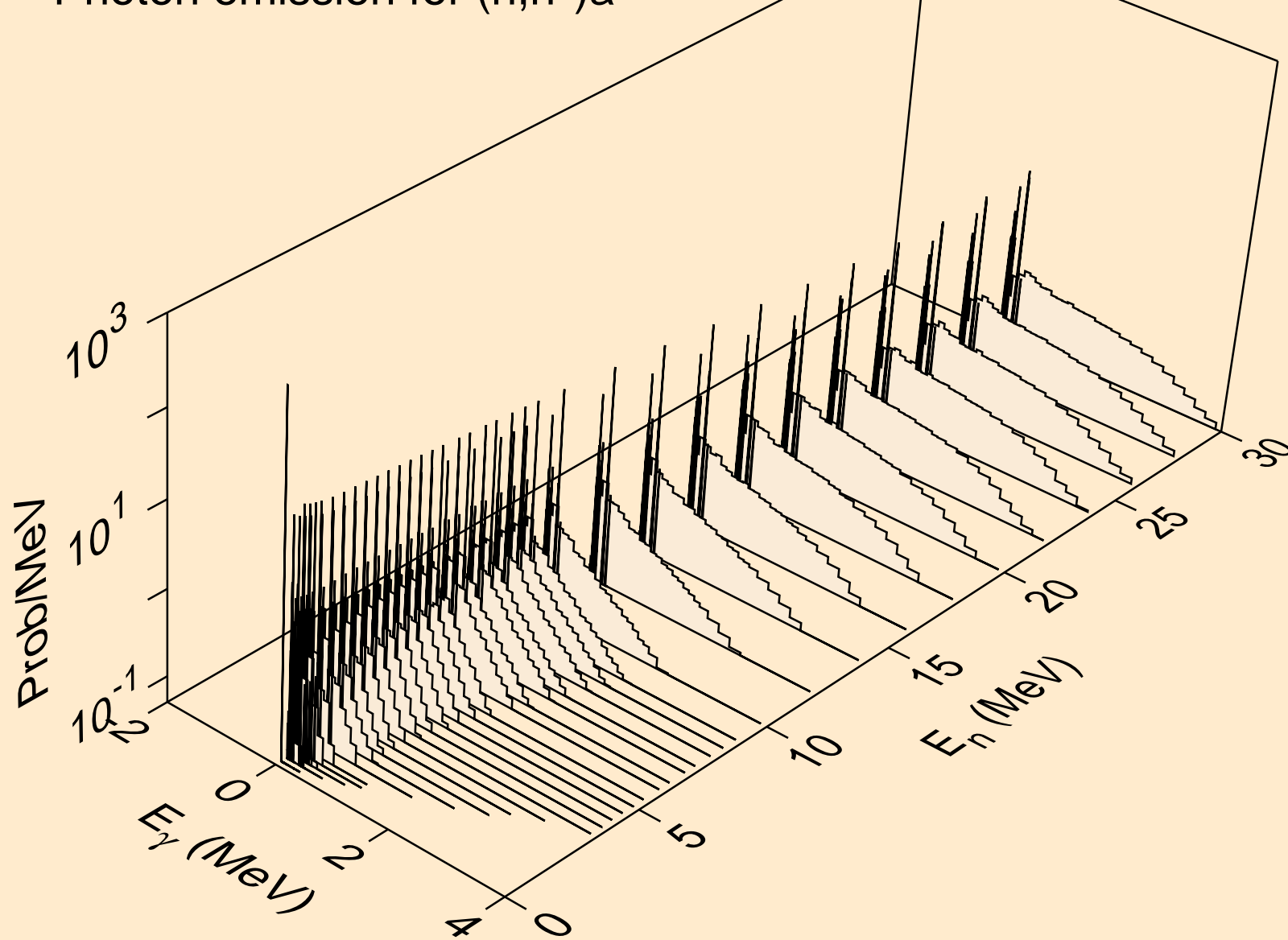
AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)

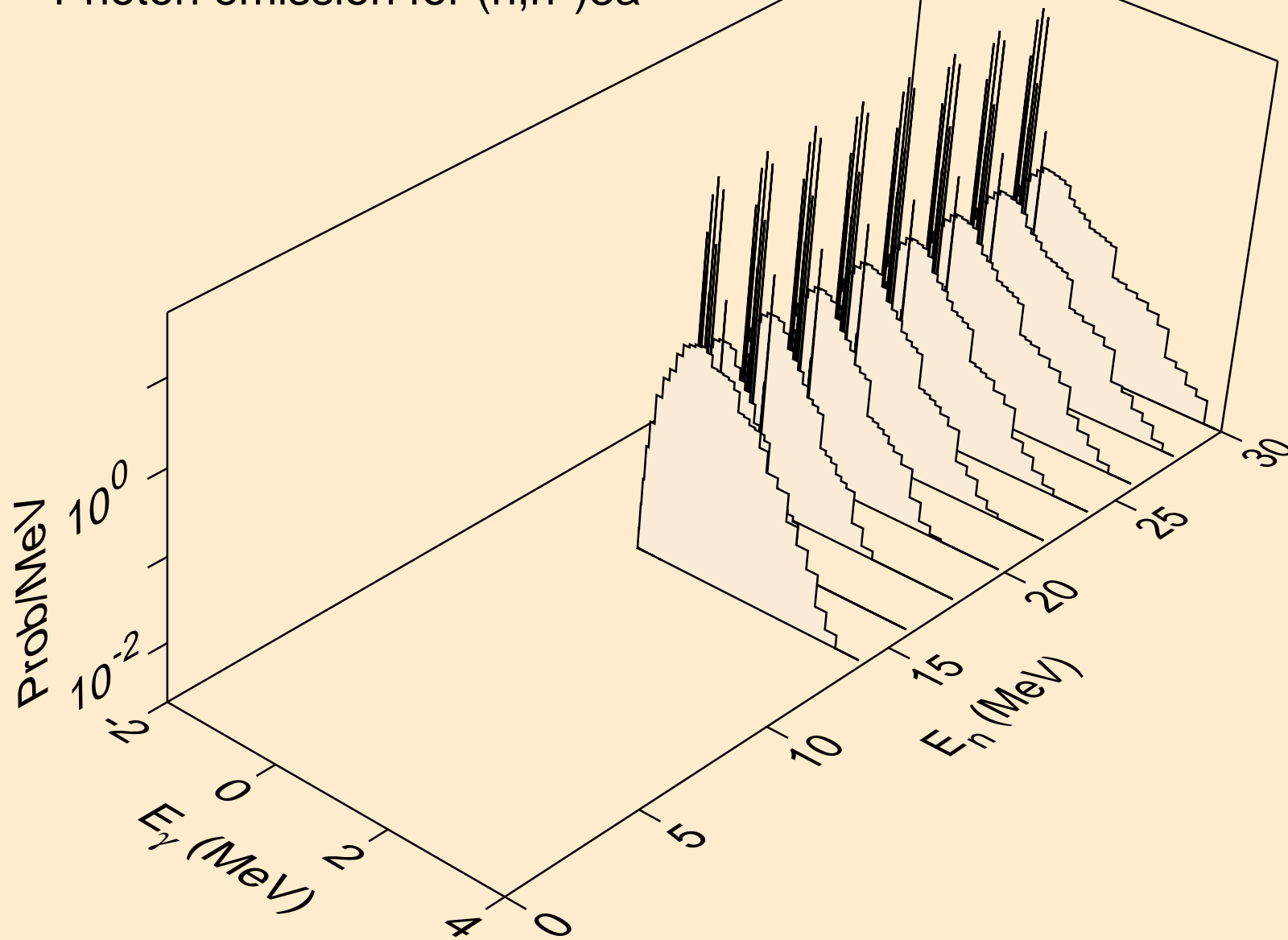


AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a

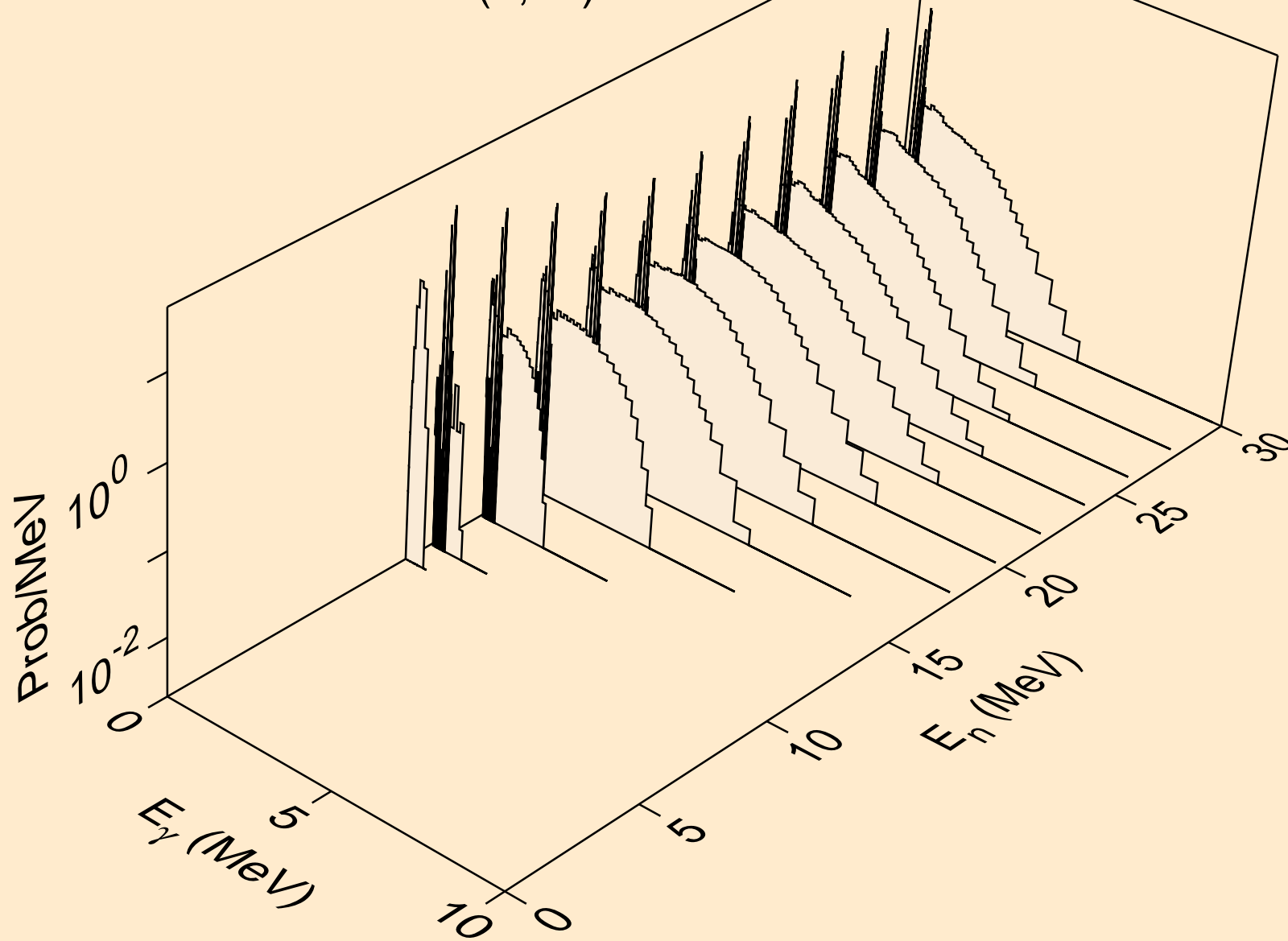




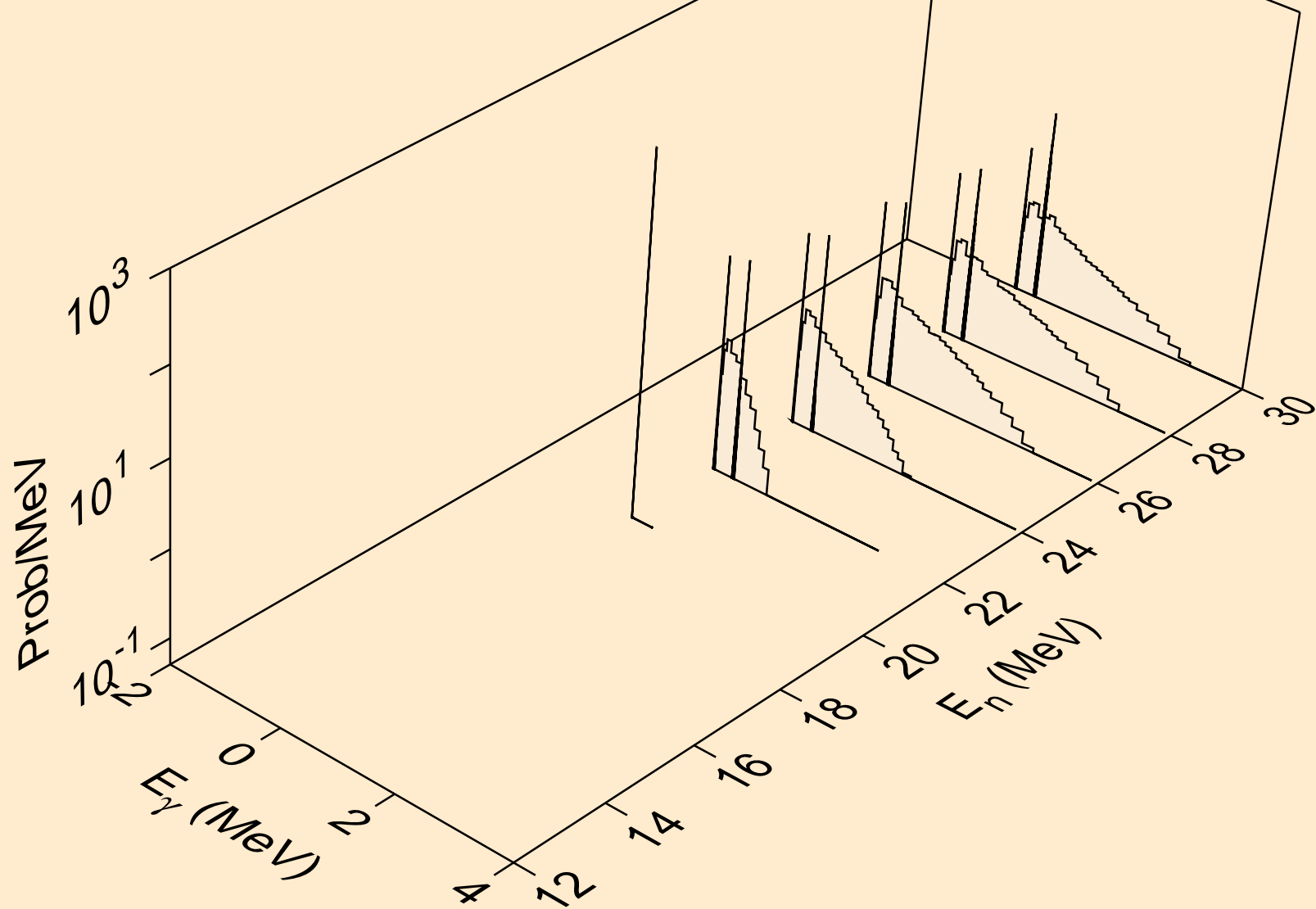
AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)3a



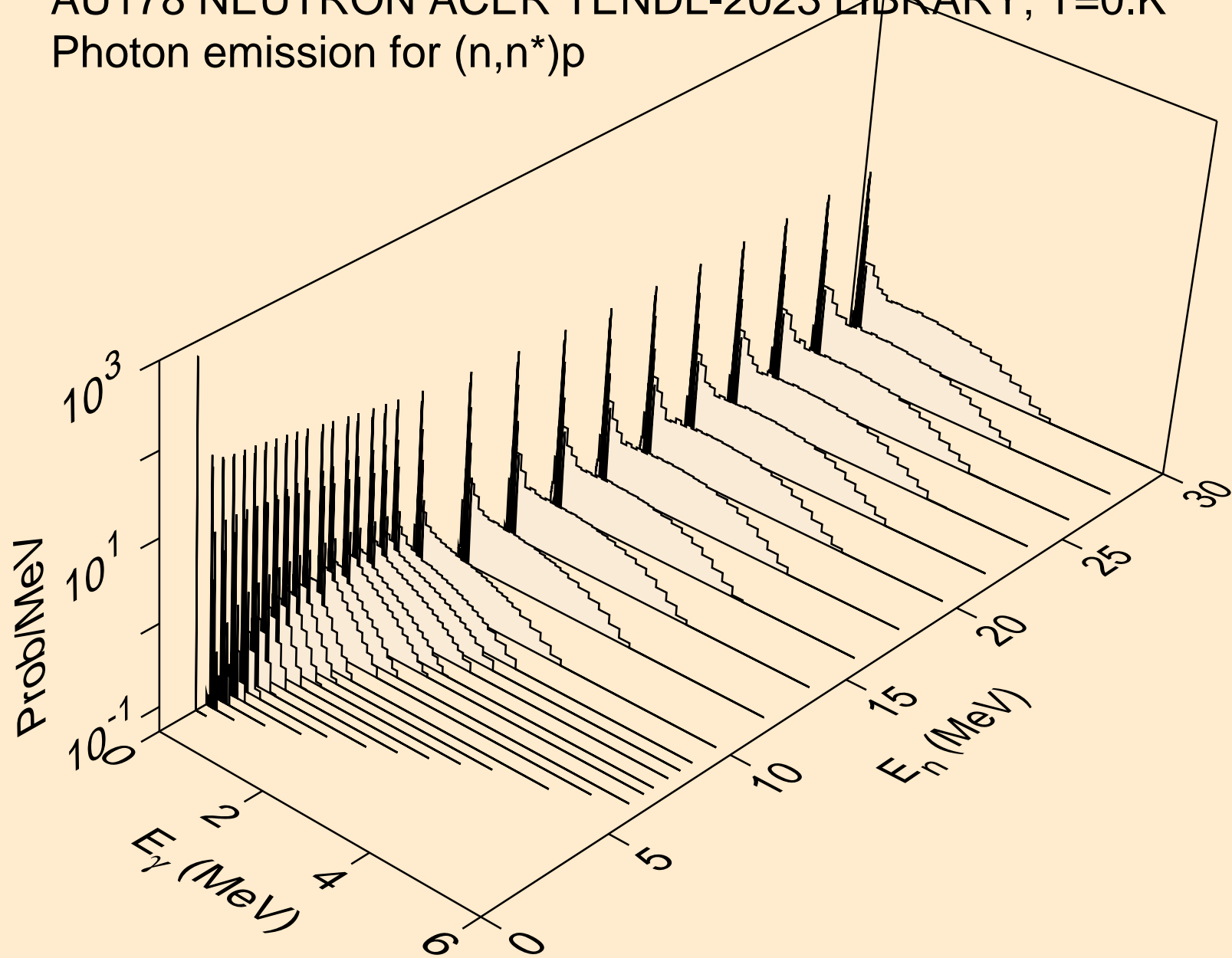
AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a



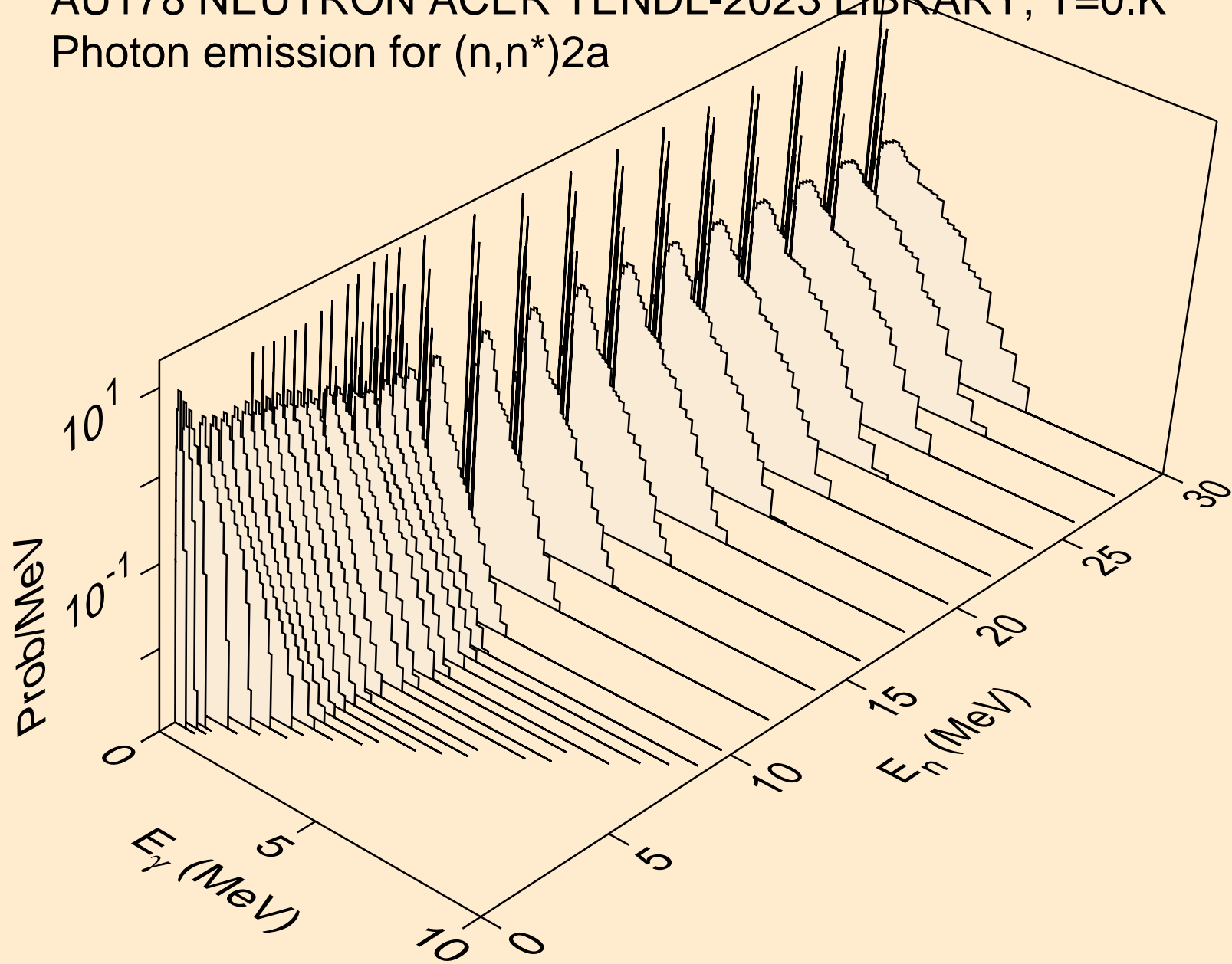
AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)a



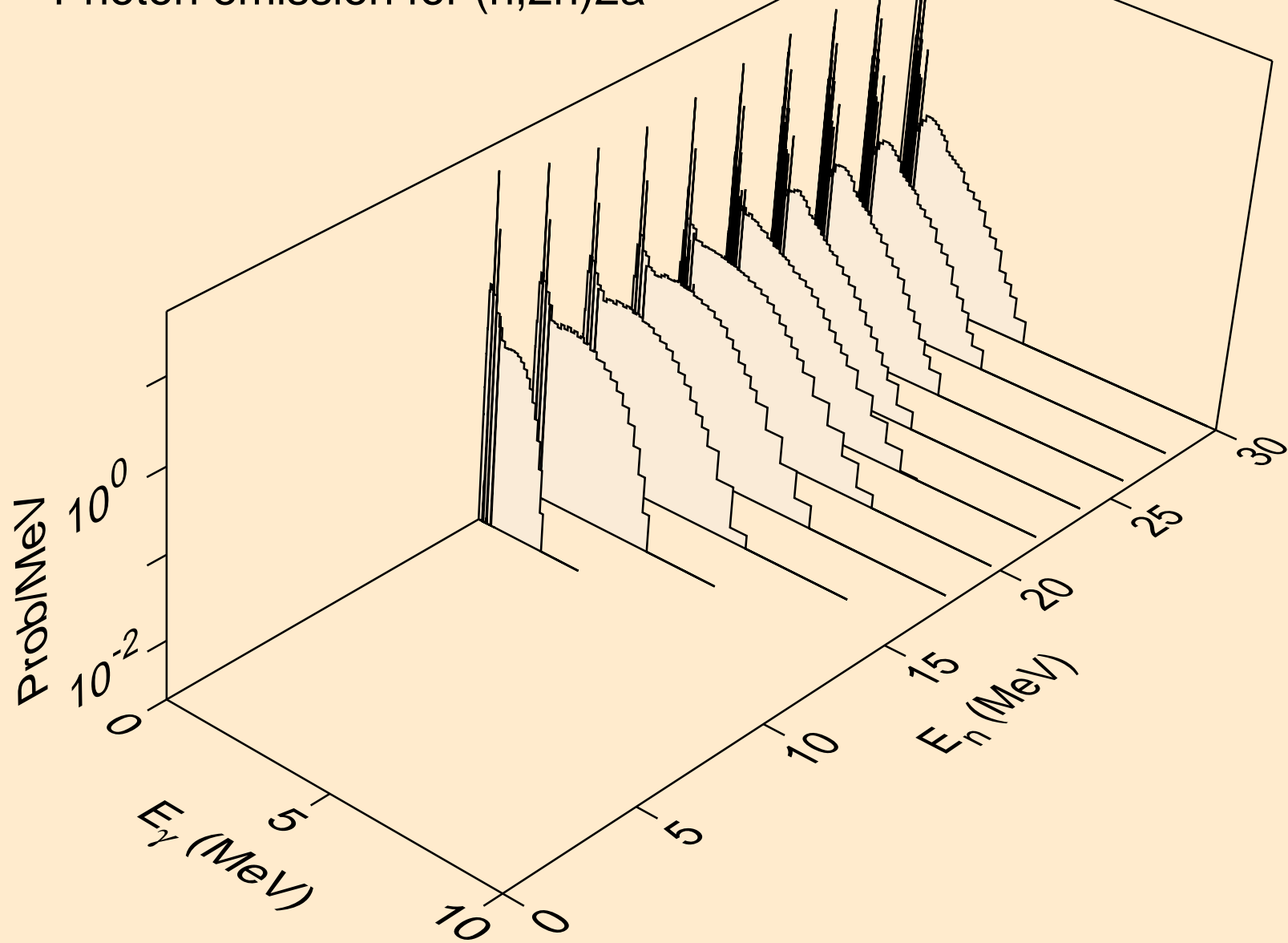
AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



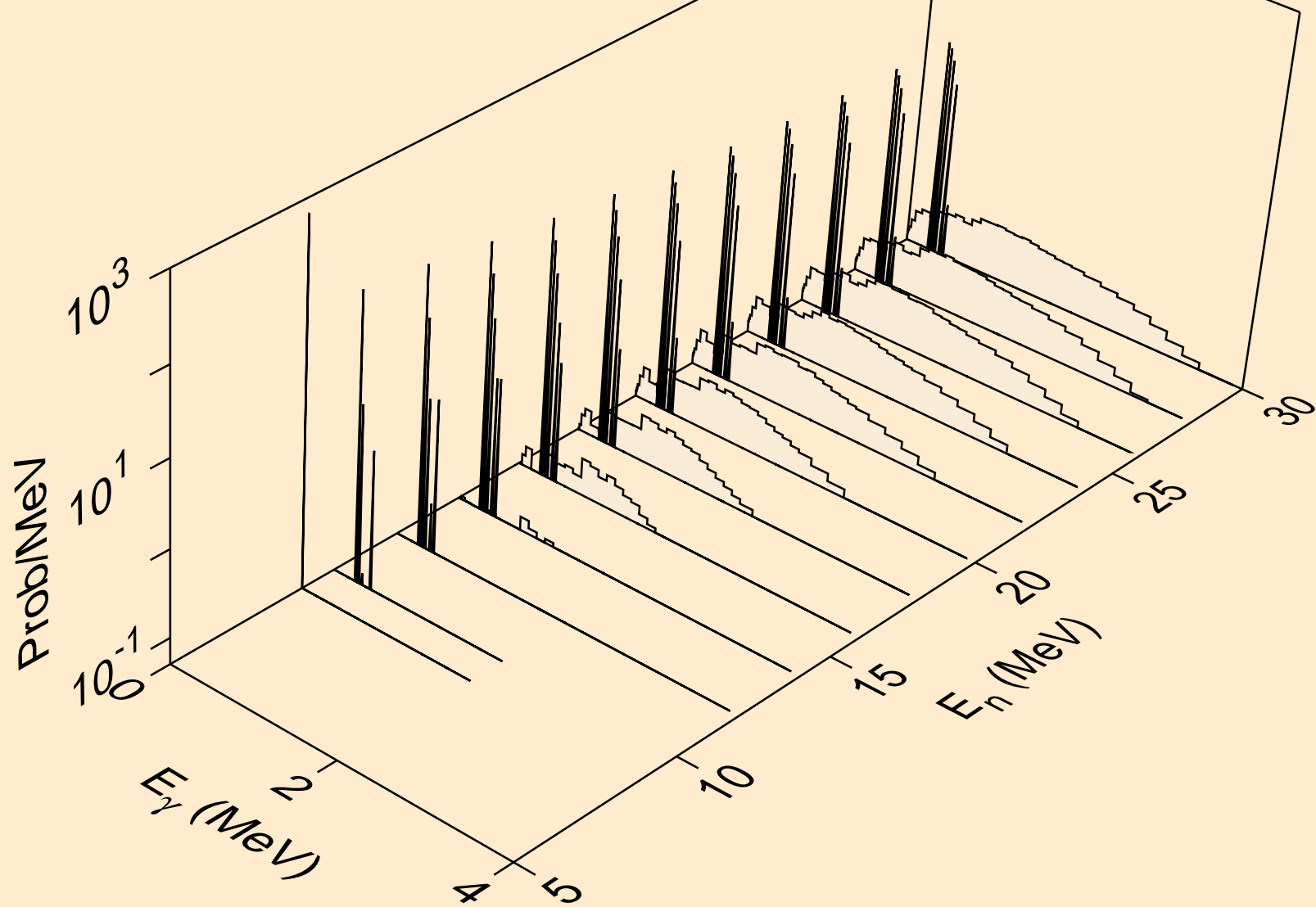
AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



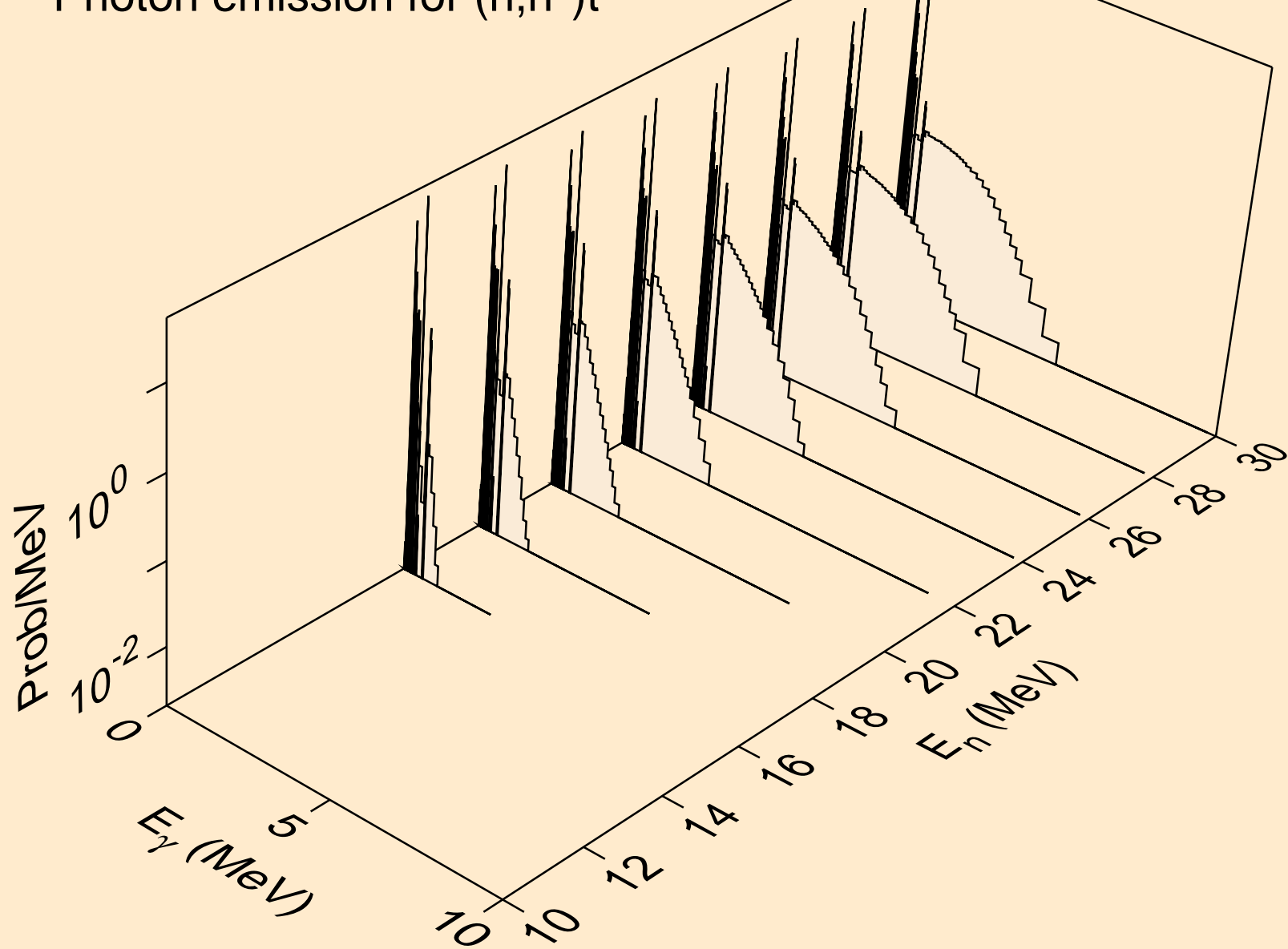
AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)2a



AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d

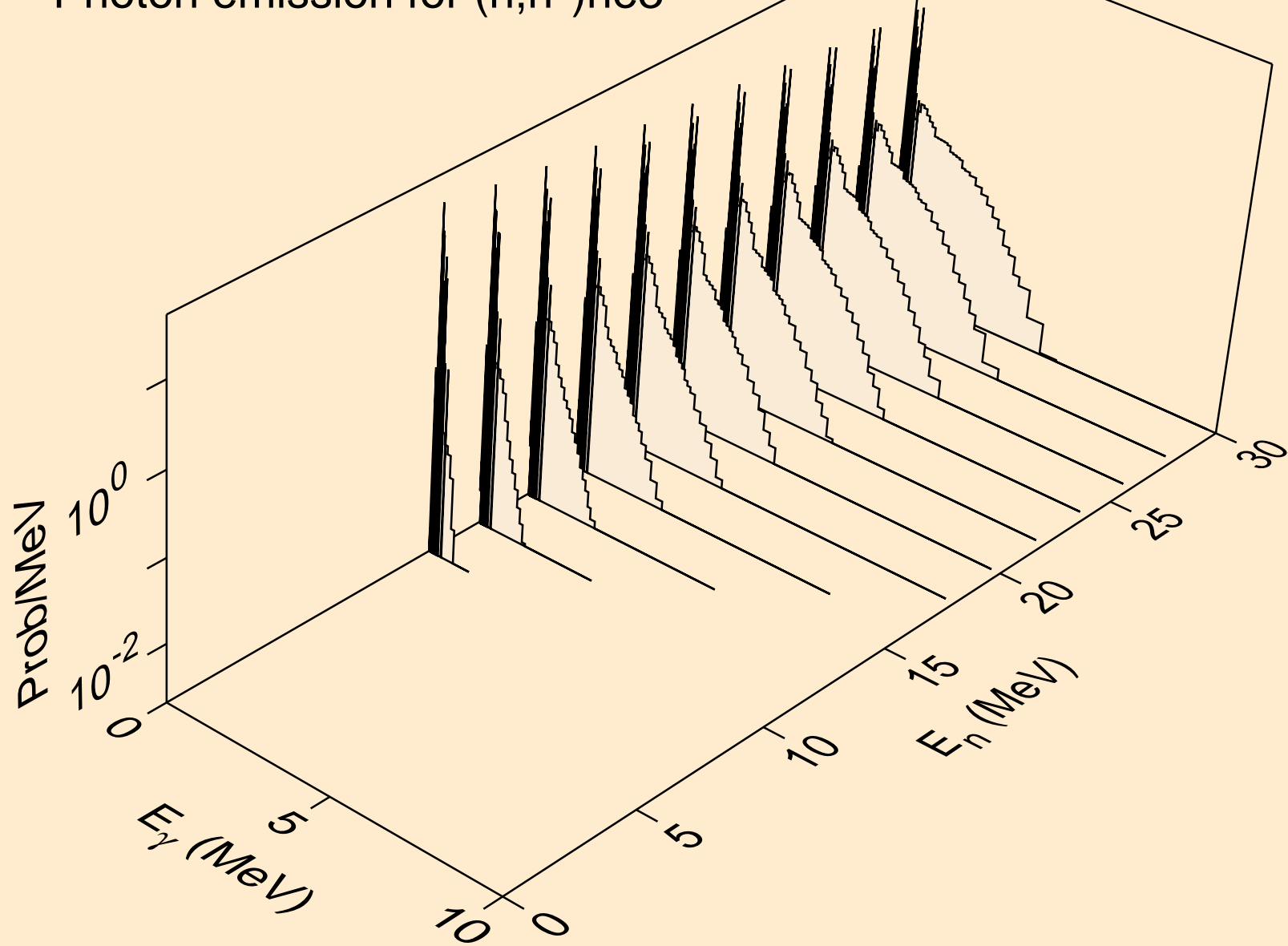


AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t

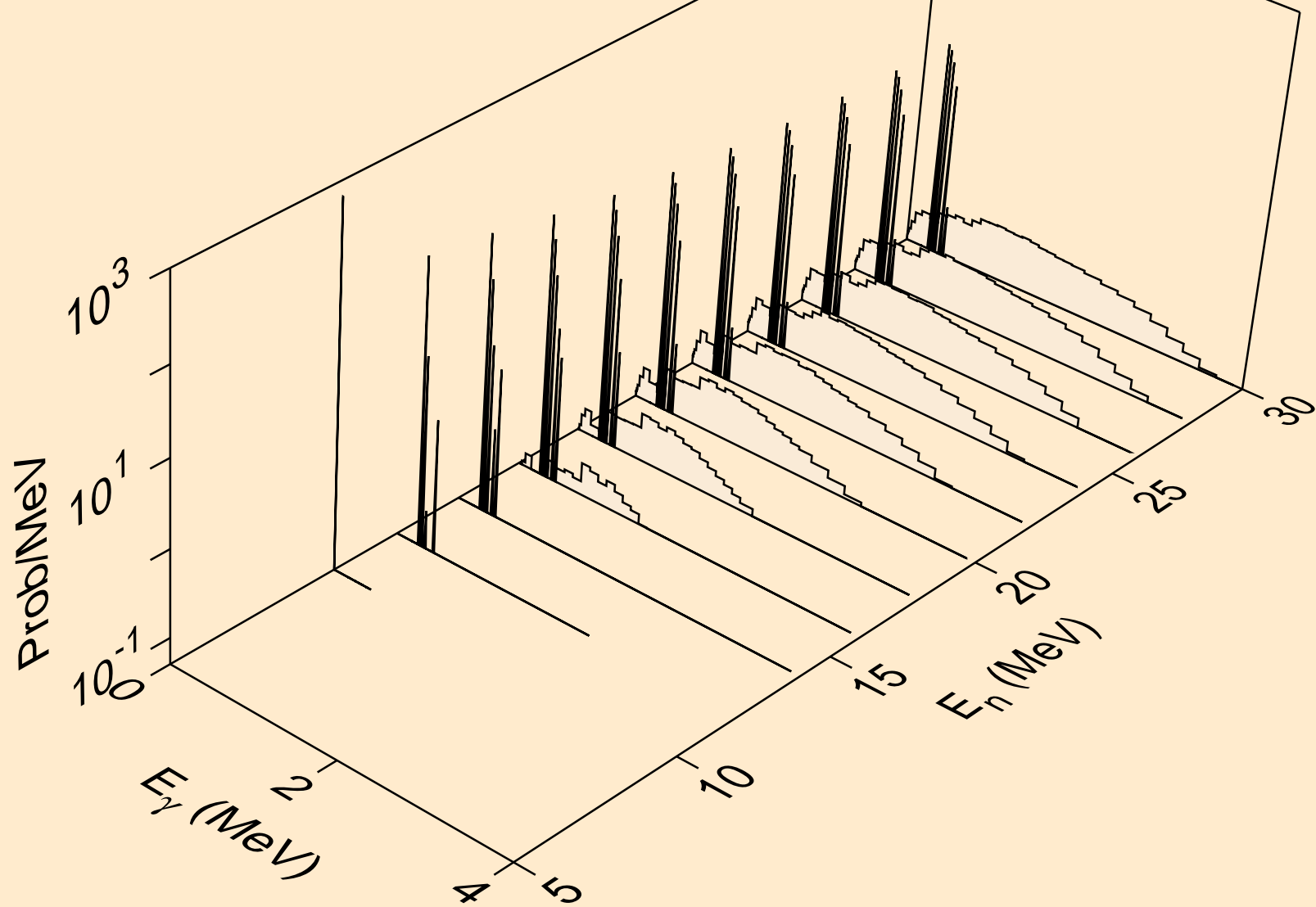




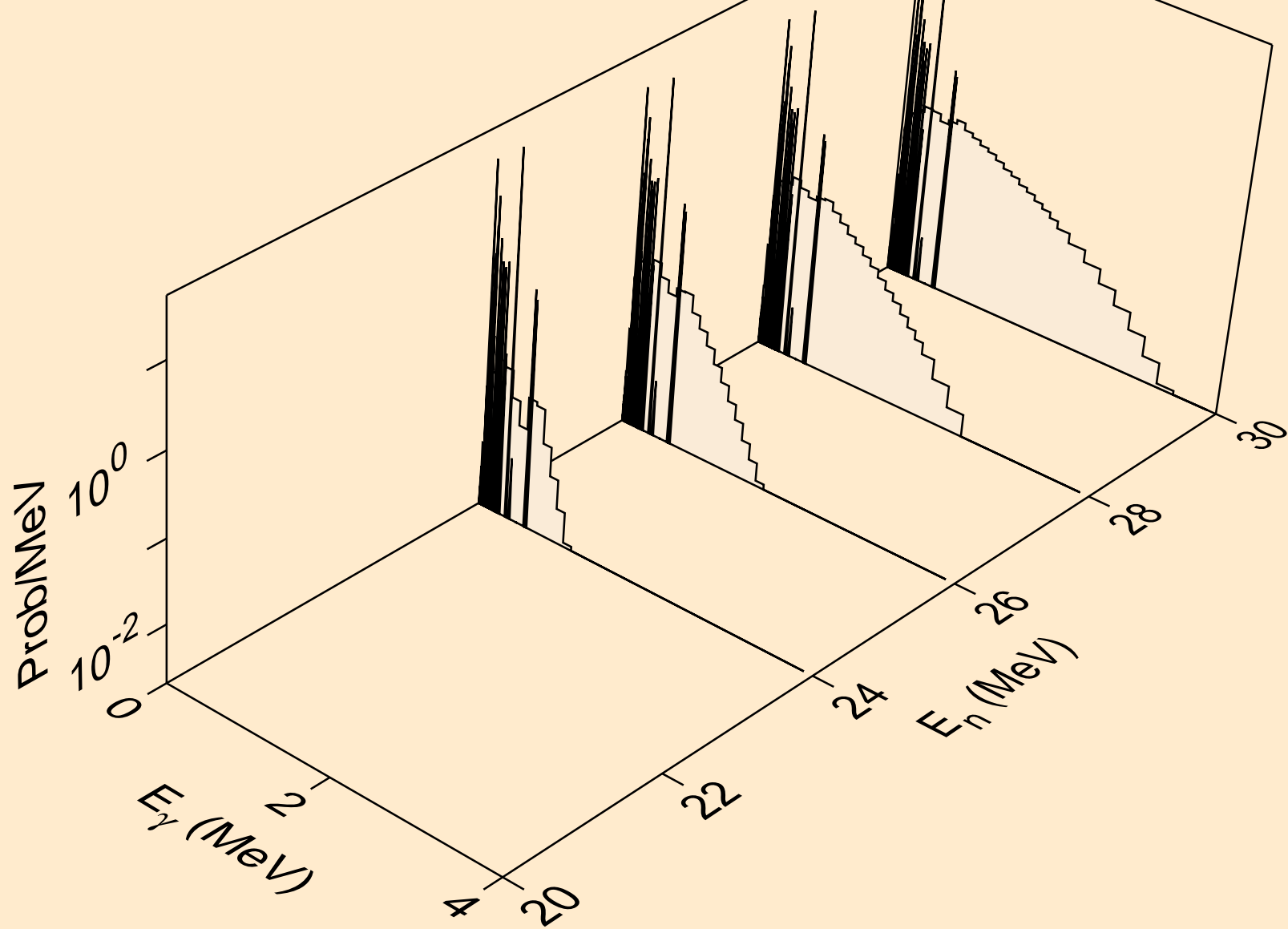
AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



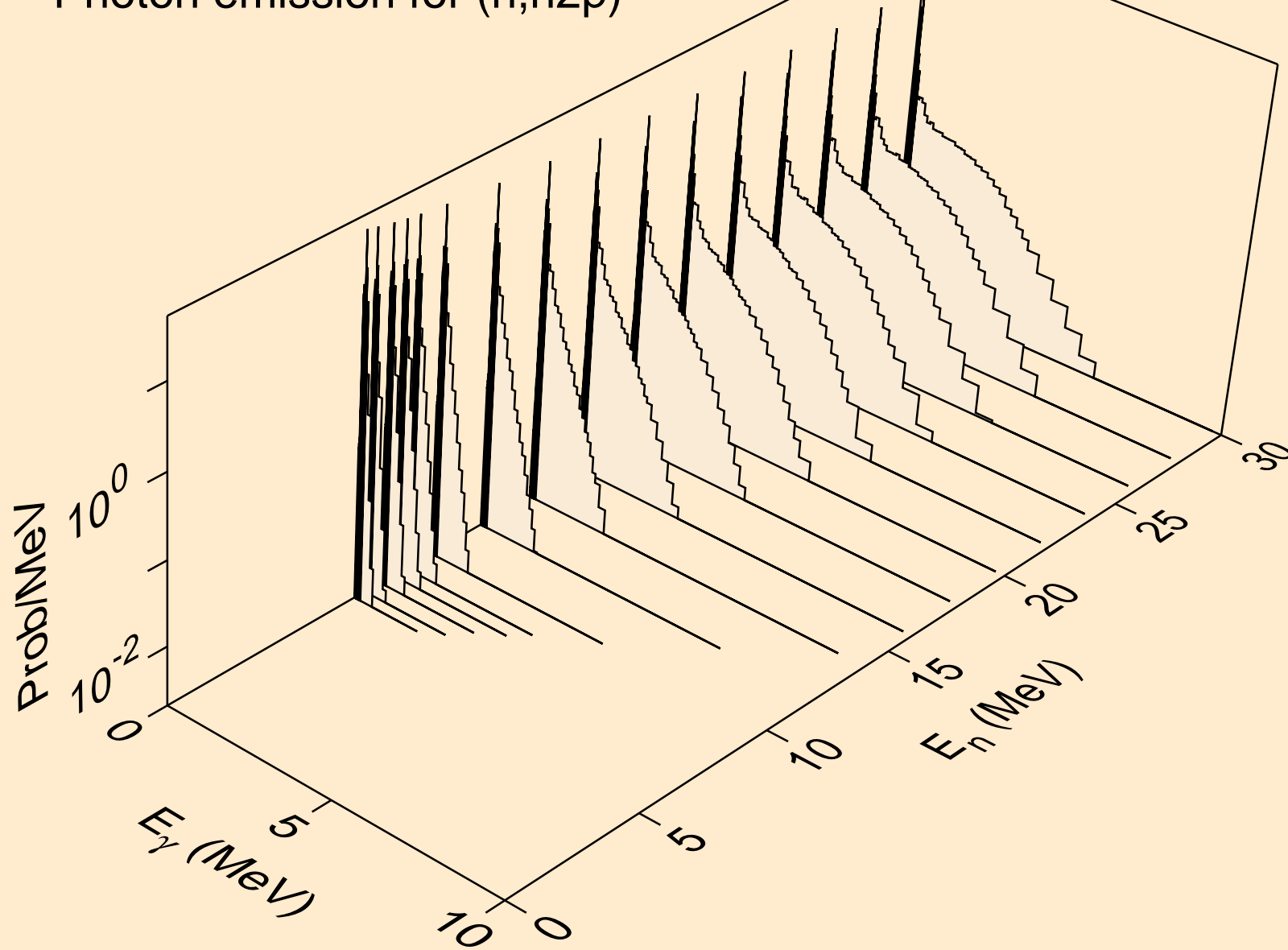
AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)



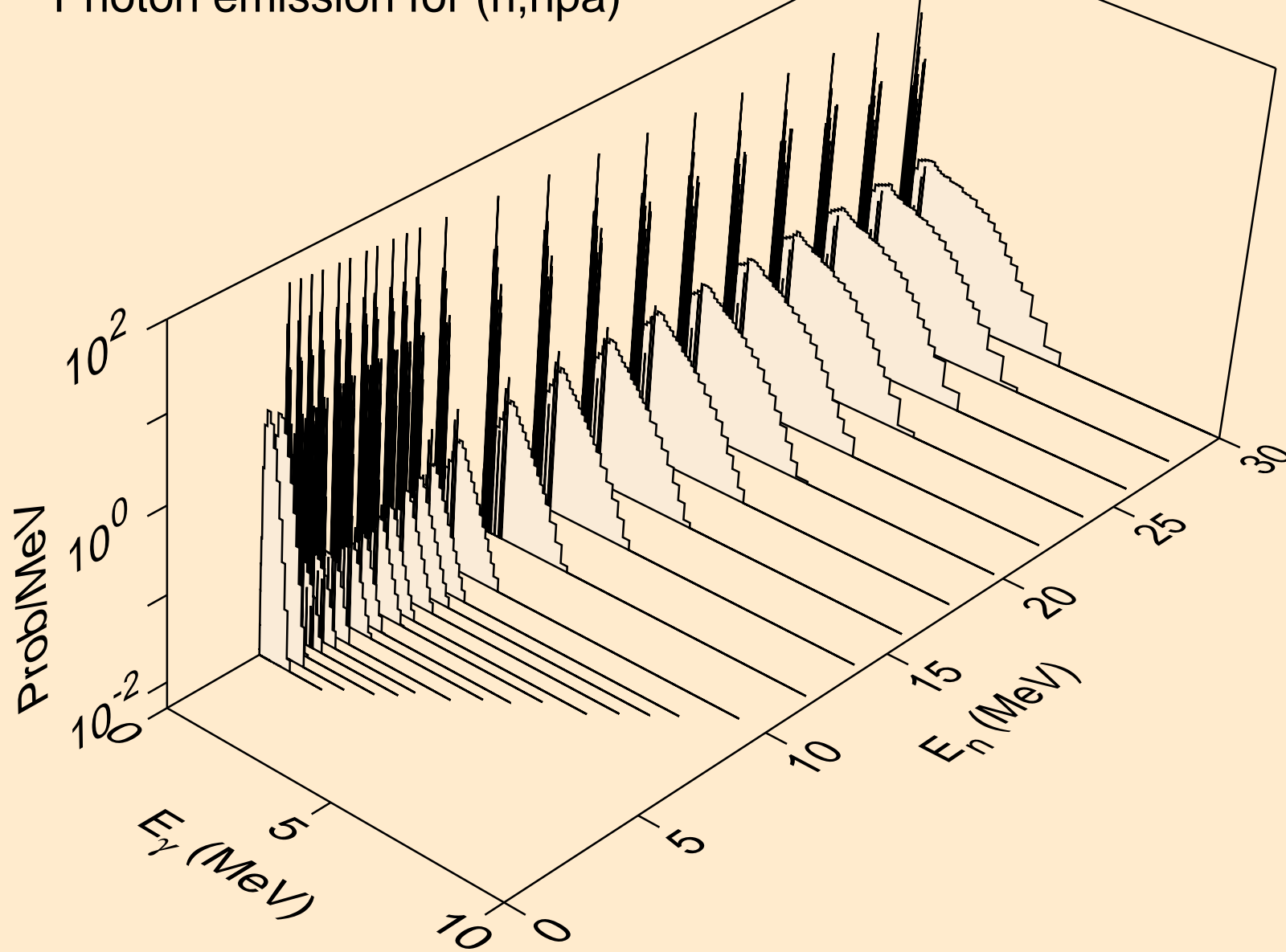
AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3np)



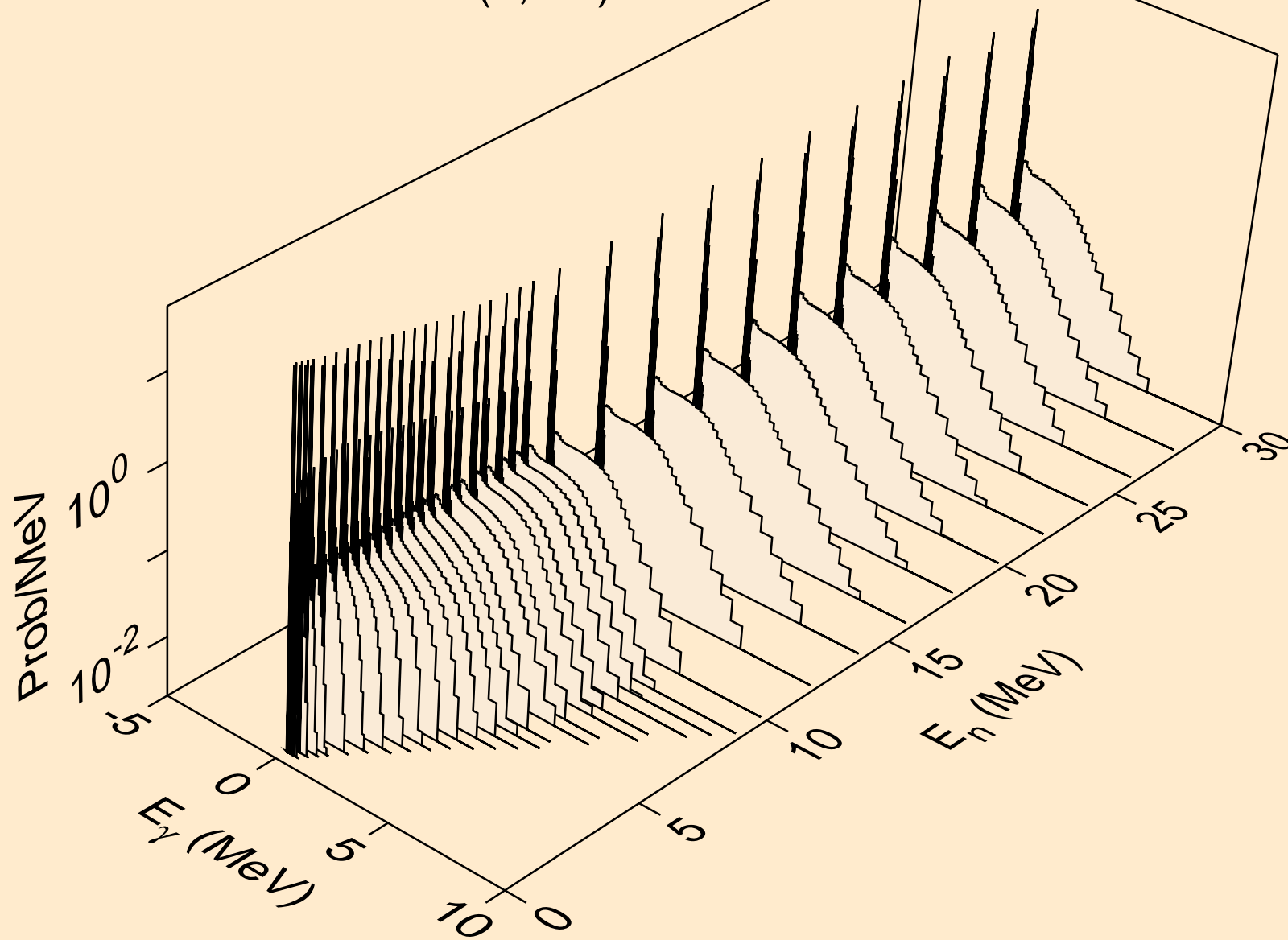
AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)



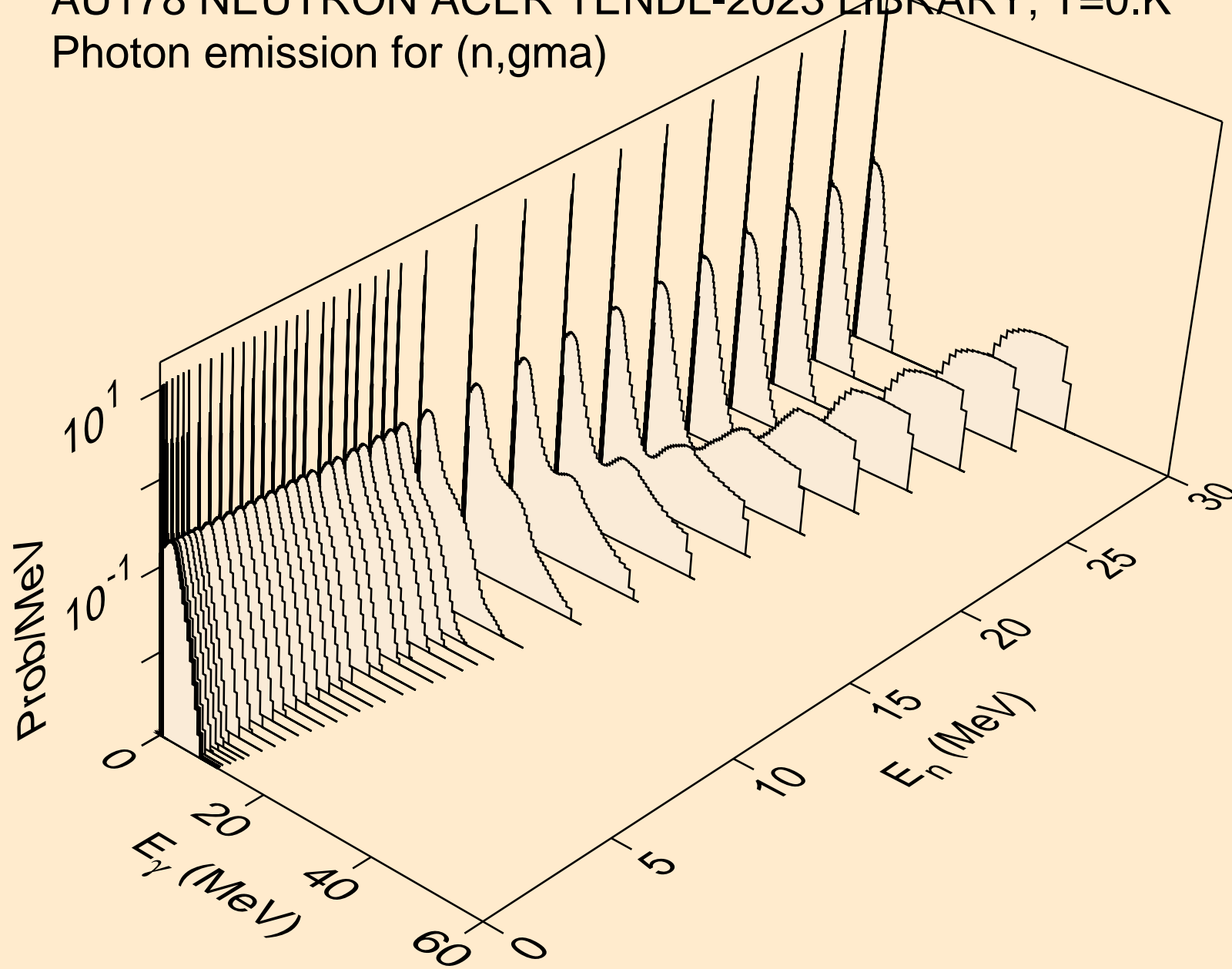
AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,npa)



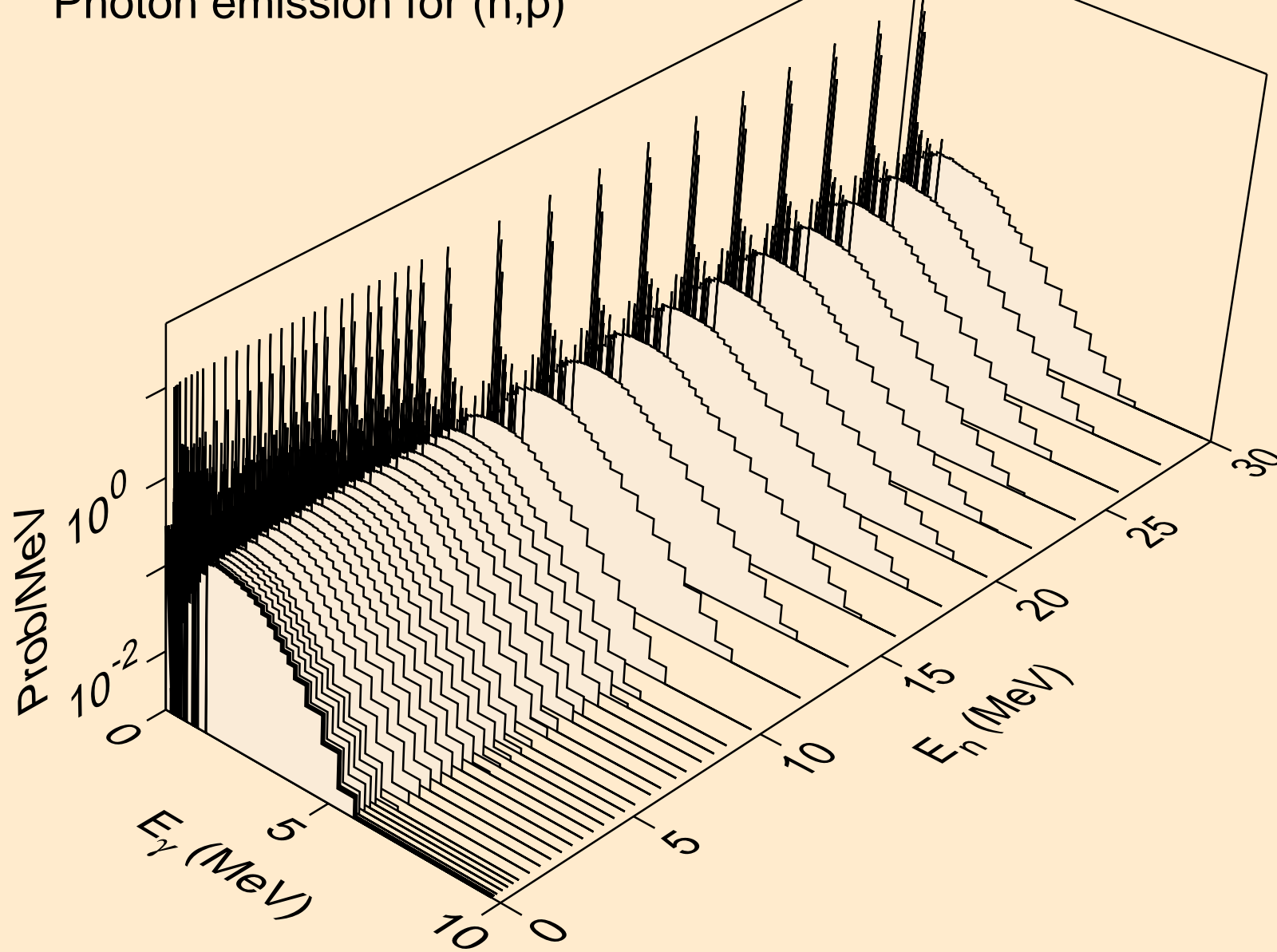
AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*c)



AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)

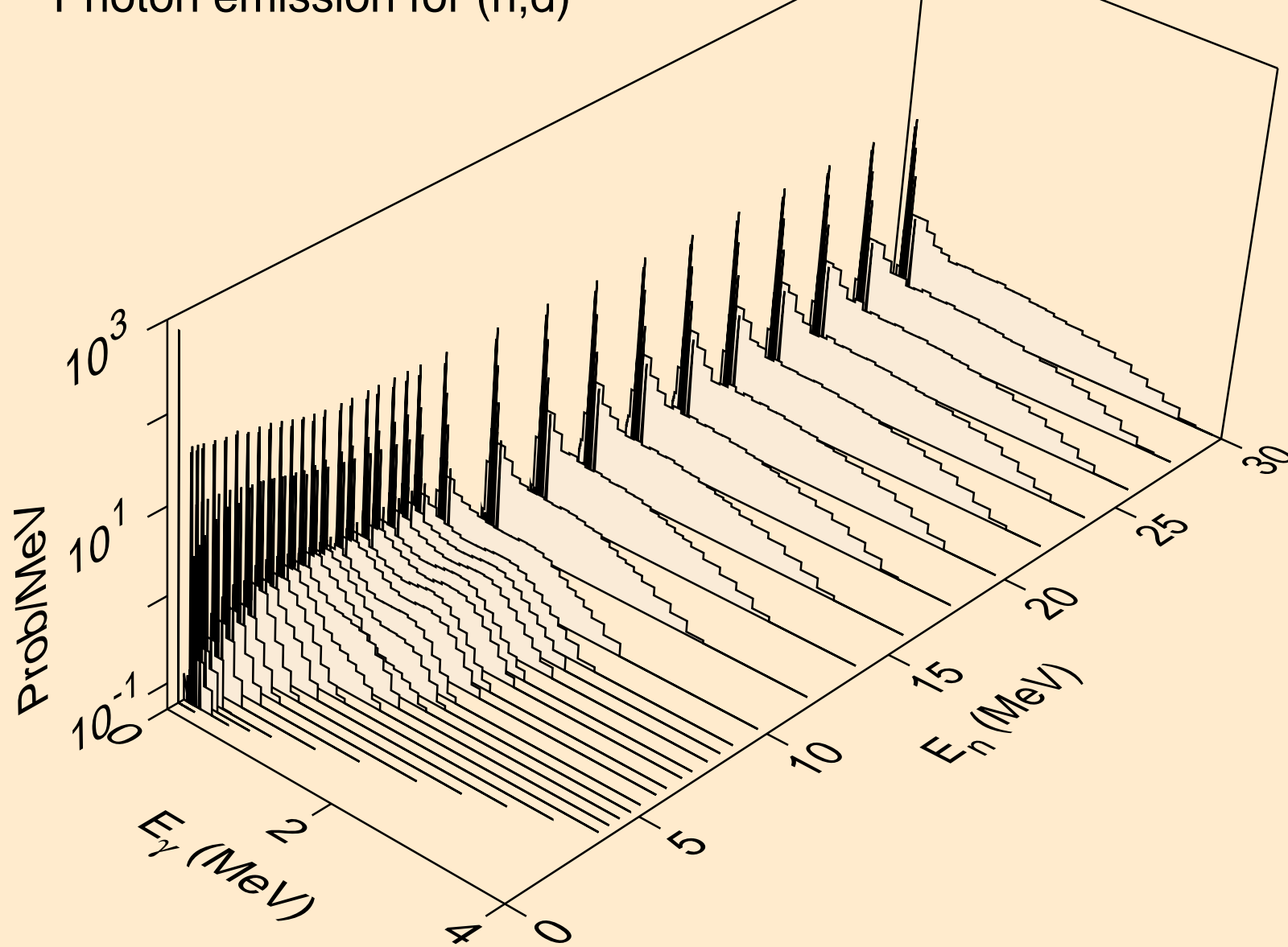


AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)

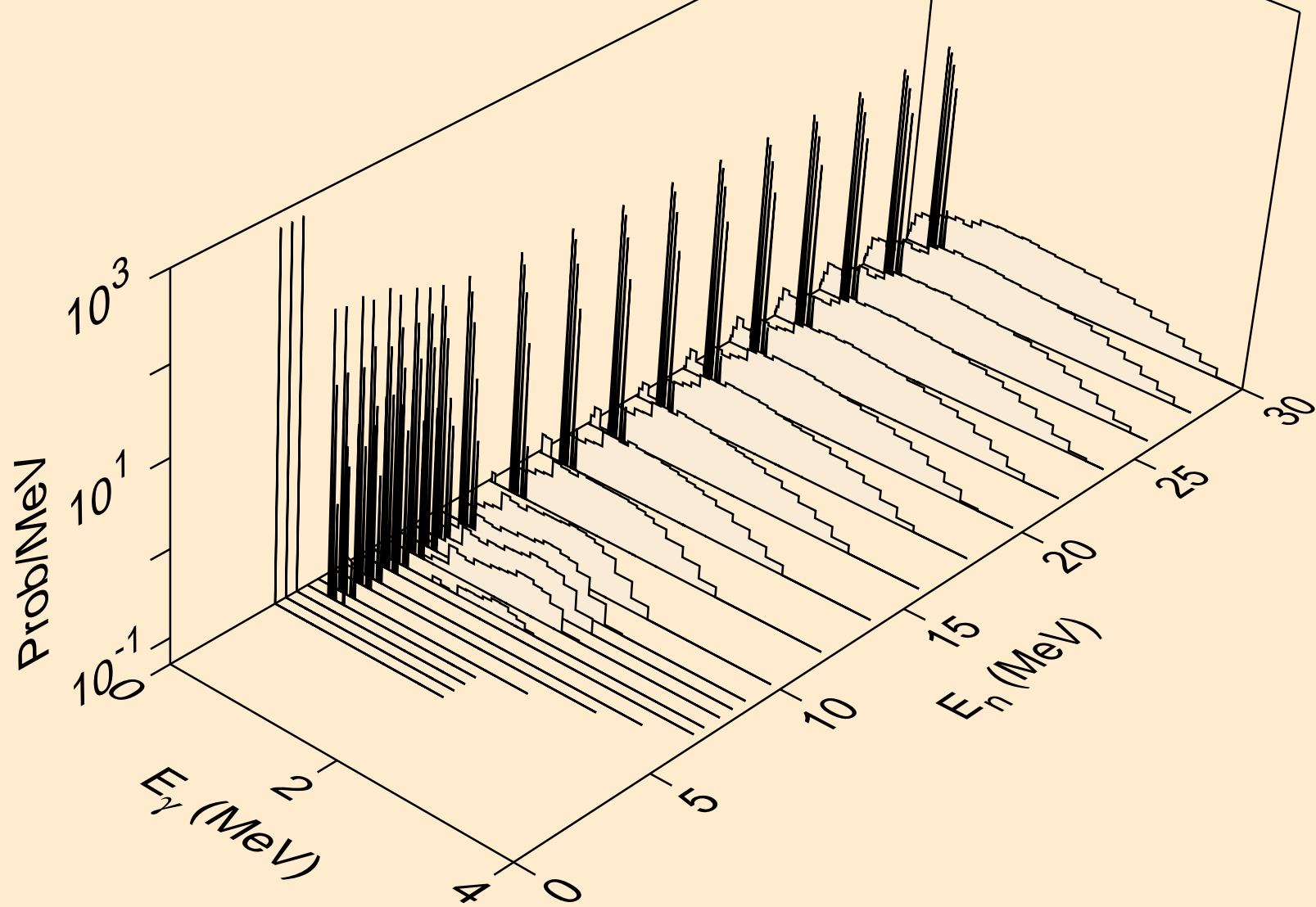




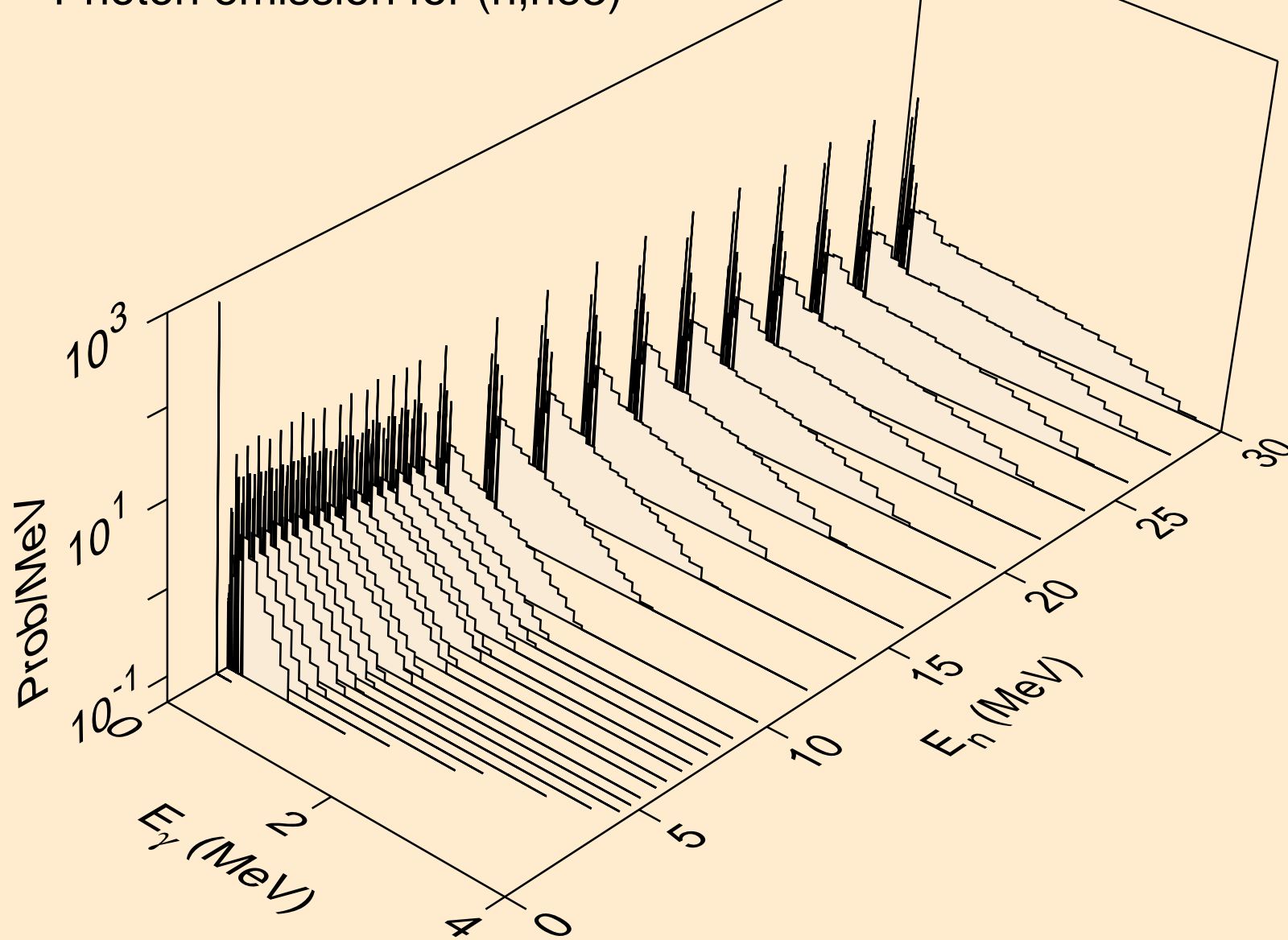
AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)



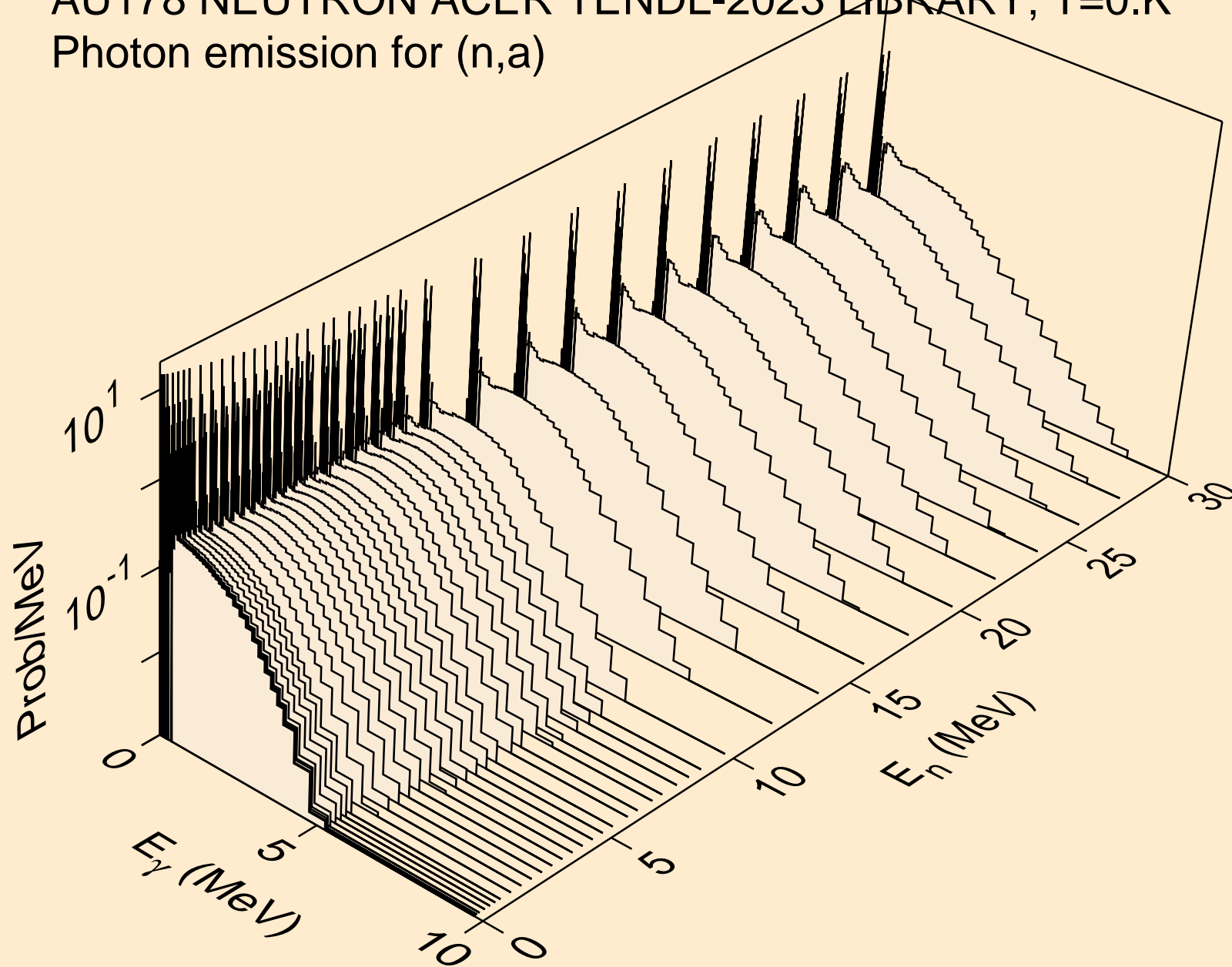
AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)



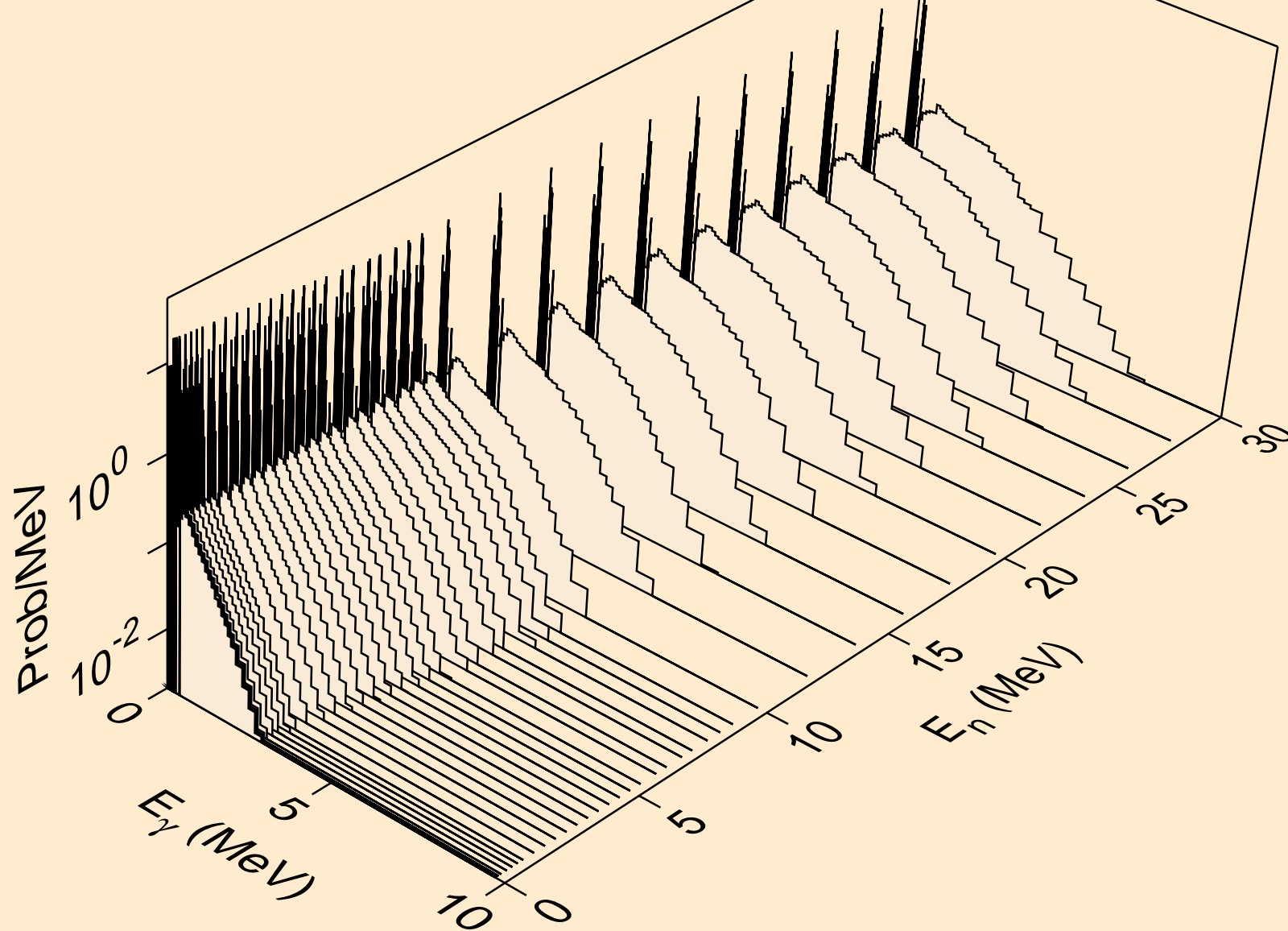
AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)



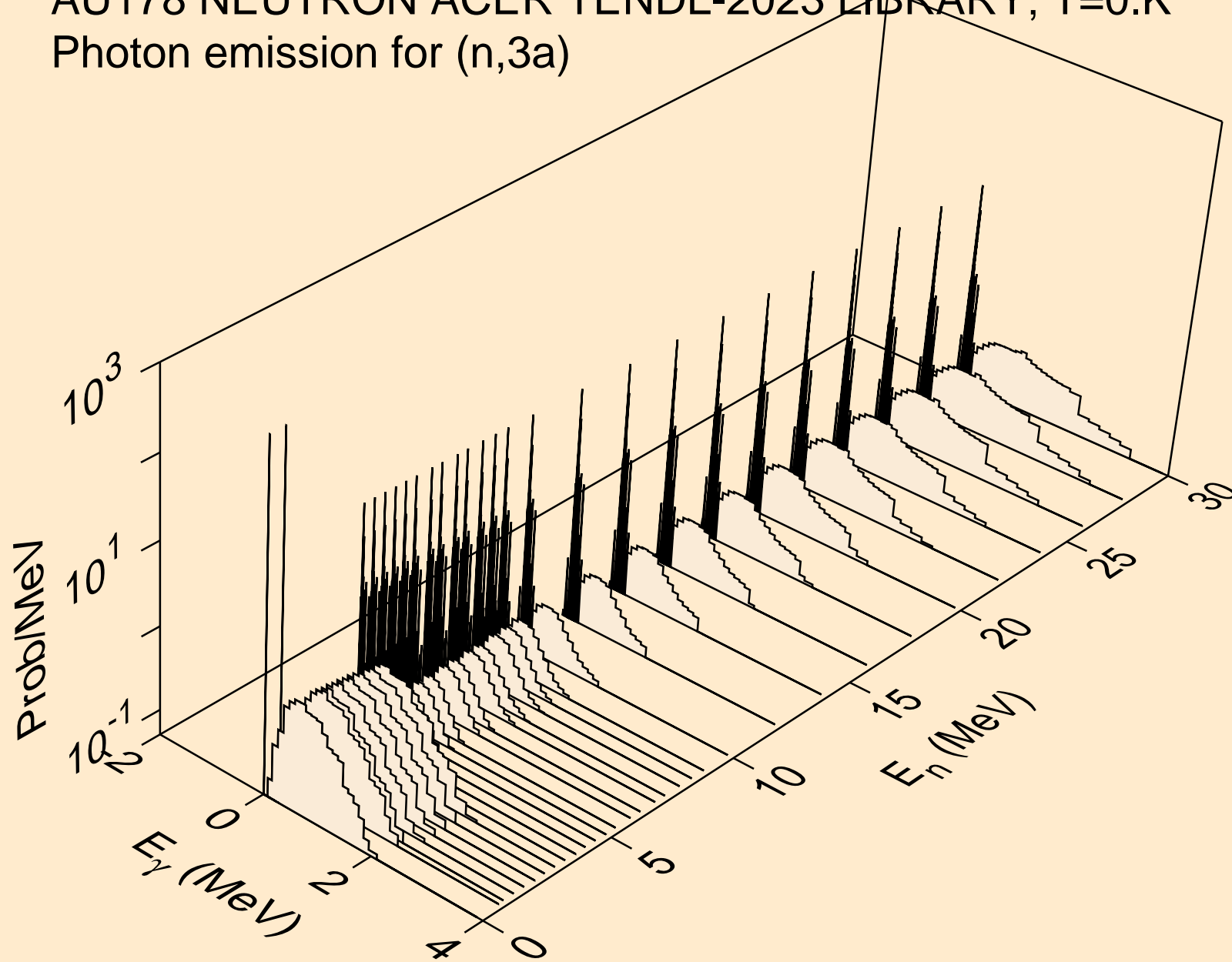
AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)



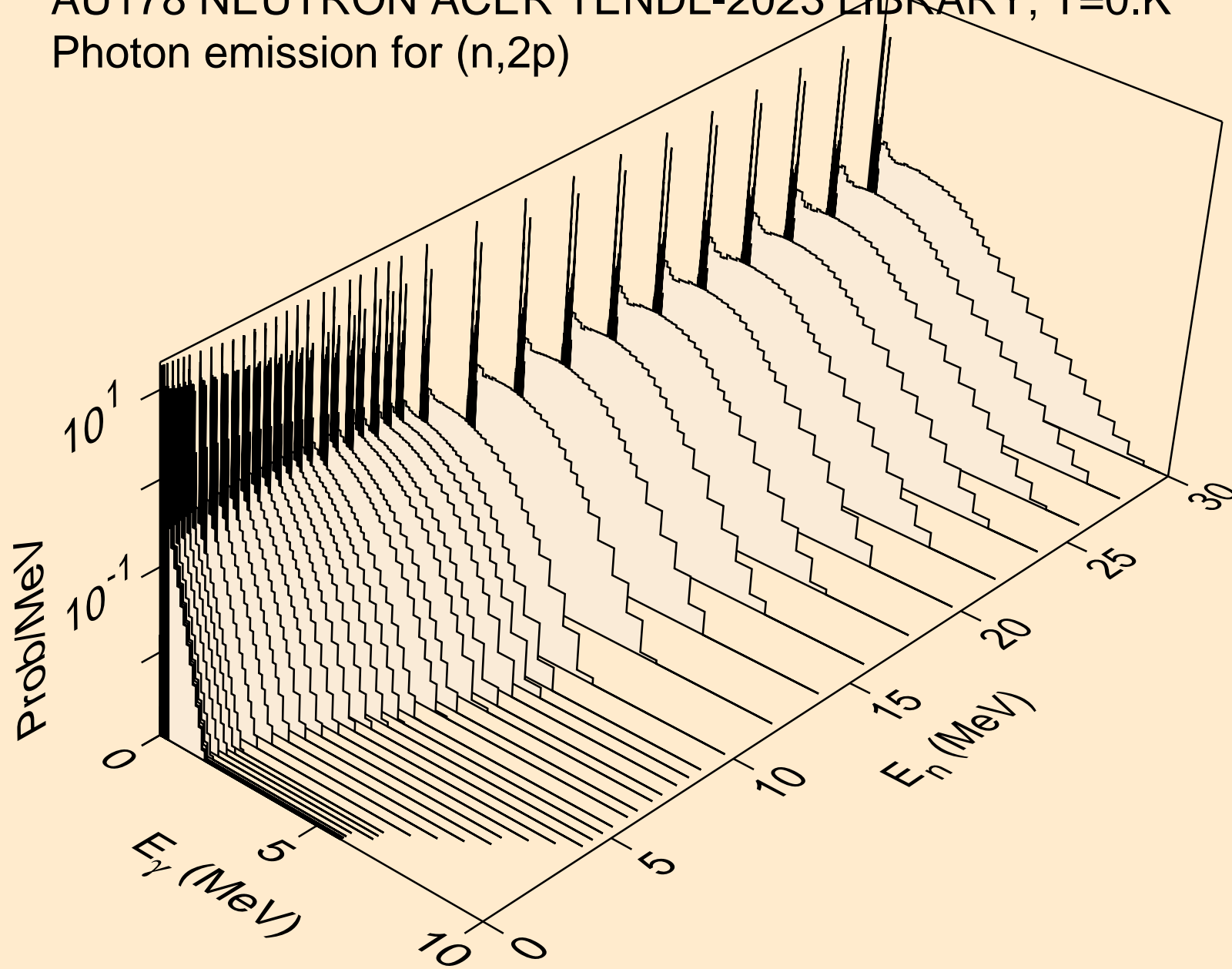
AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2a)



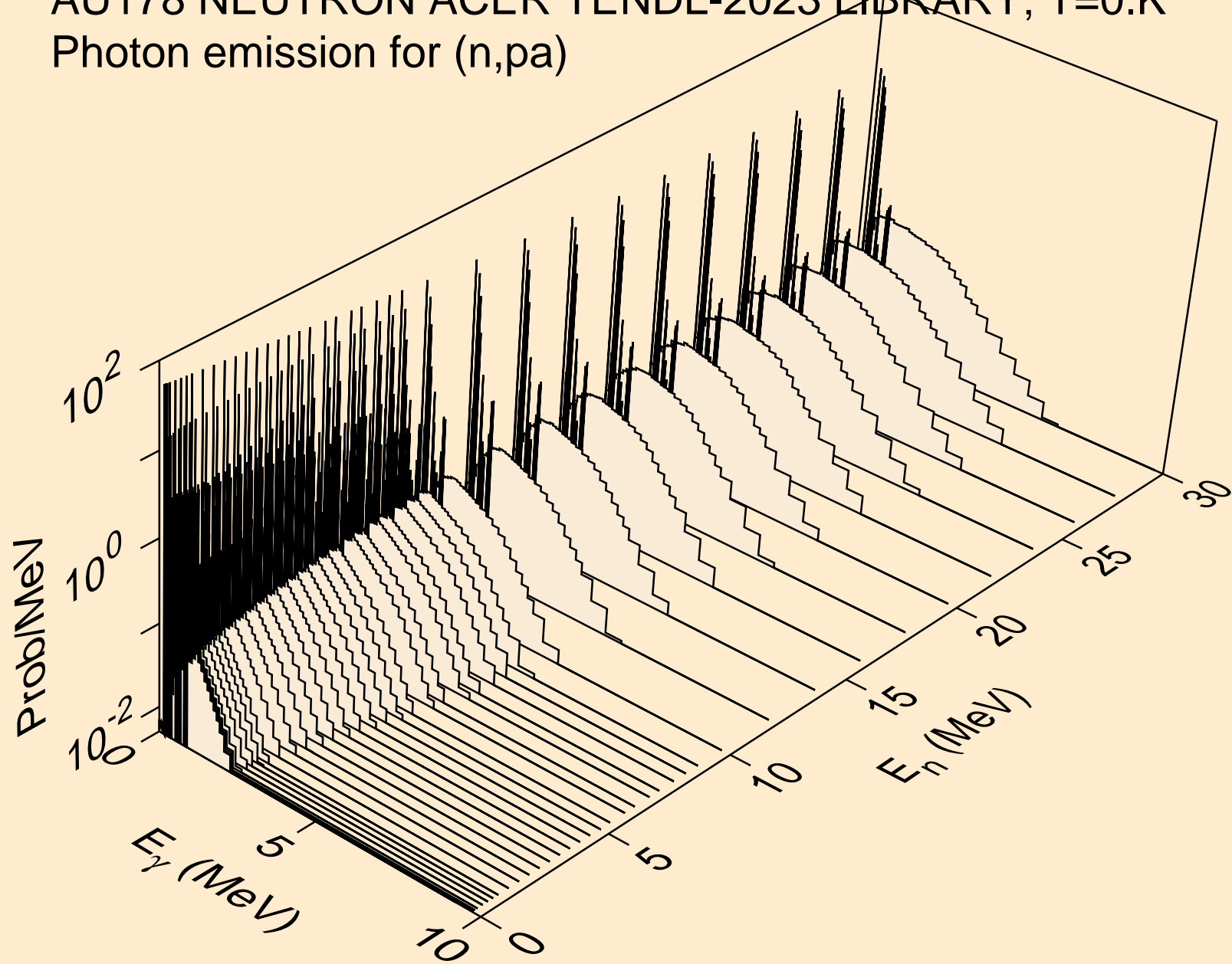
AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3a)



AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)

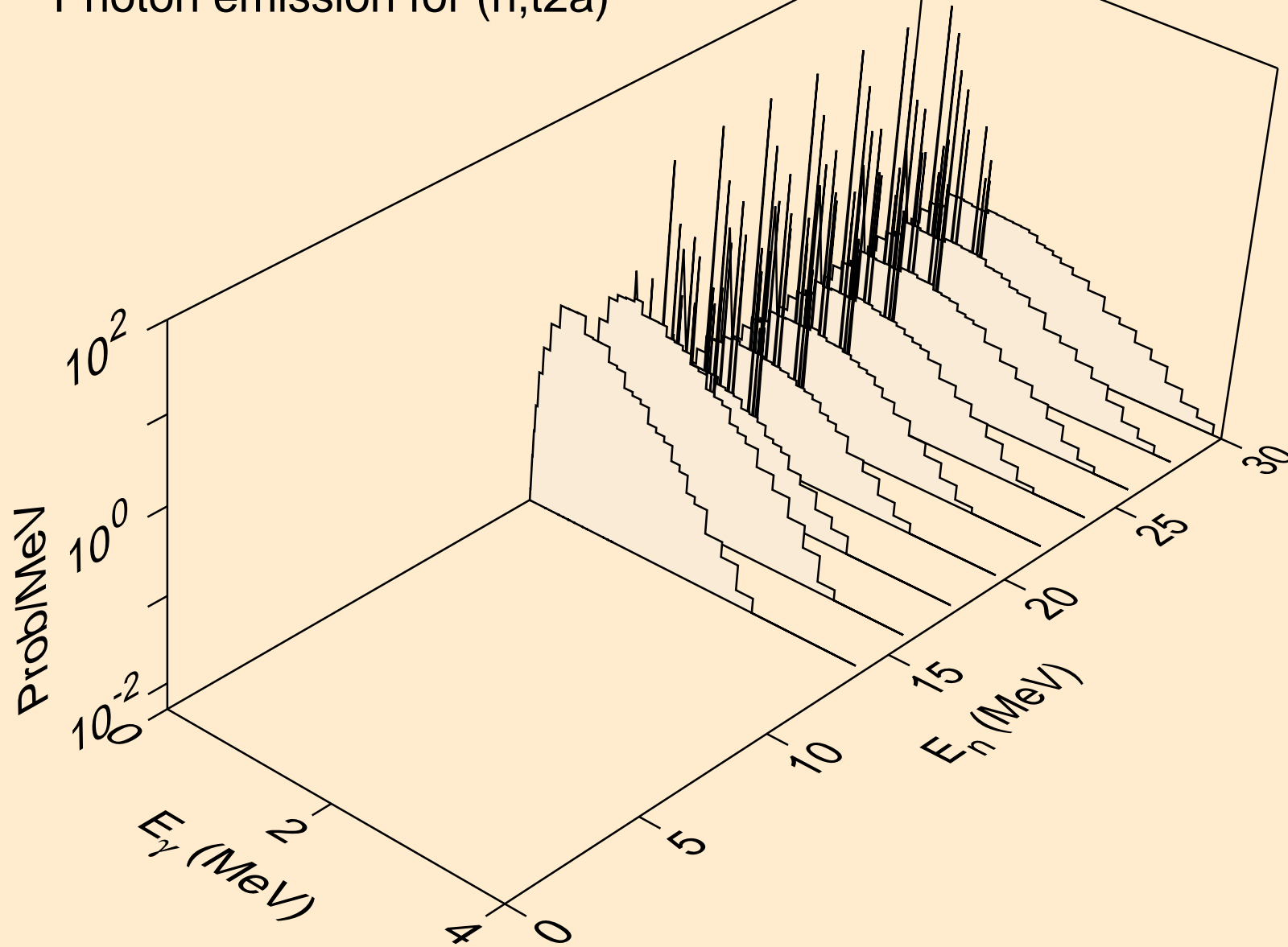


AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p $\alpha$ )

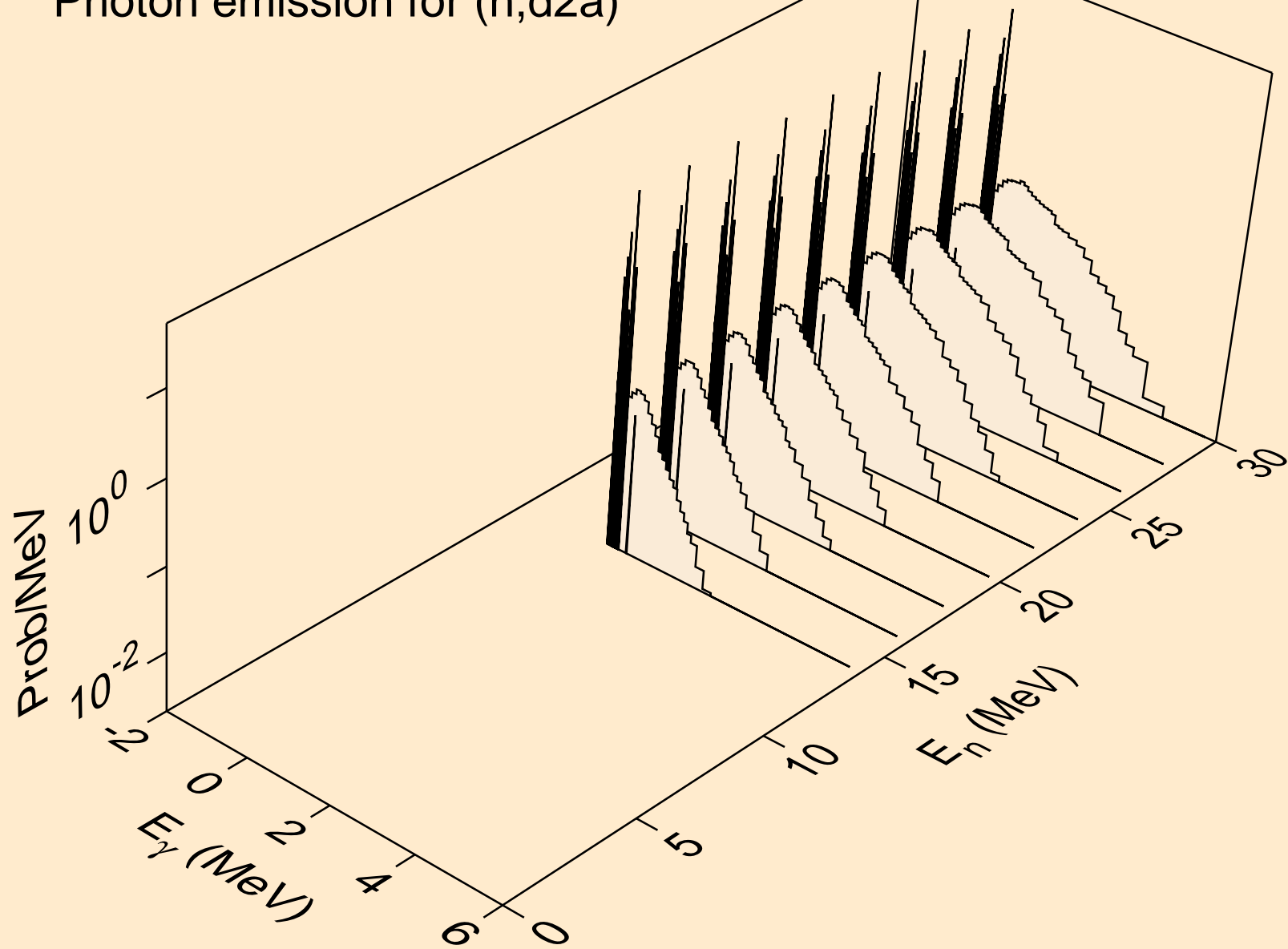




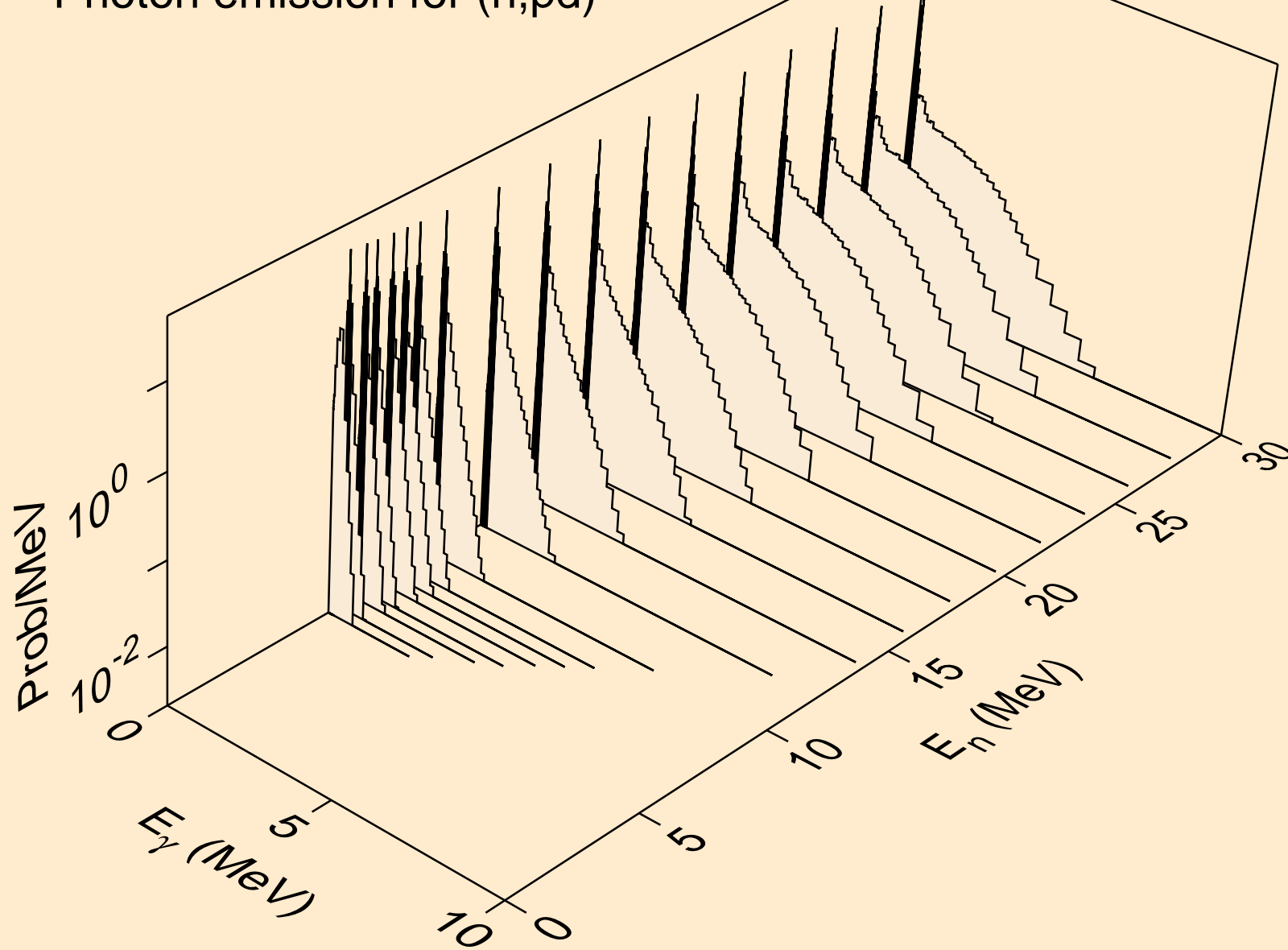
AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t2a)



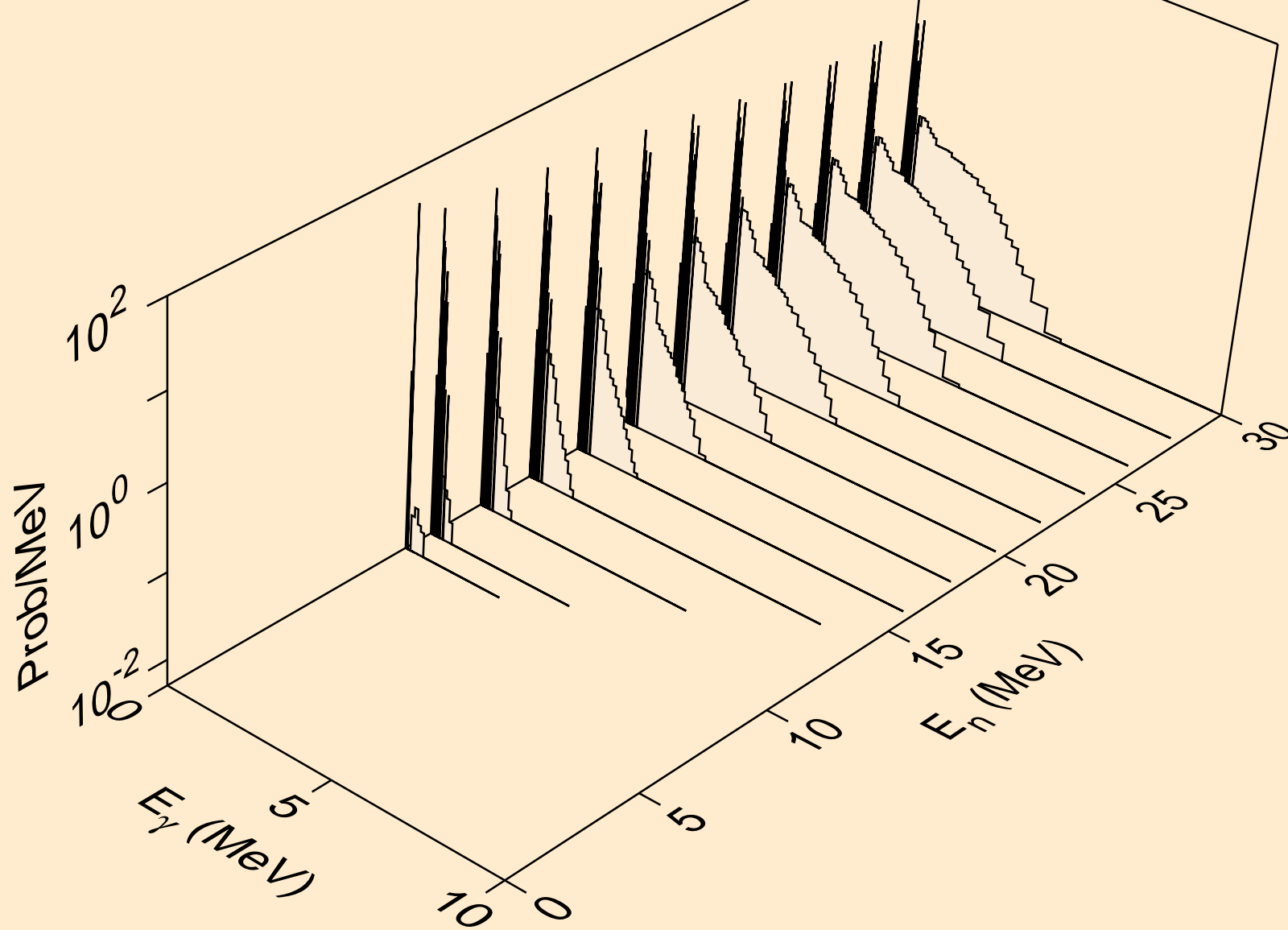
AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d2a)



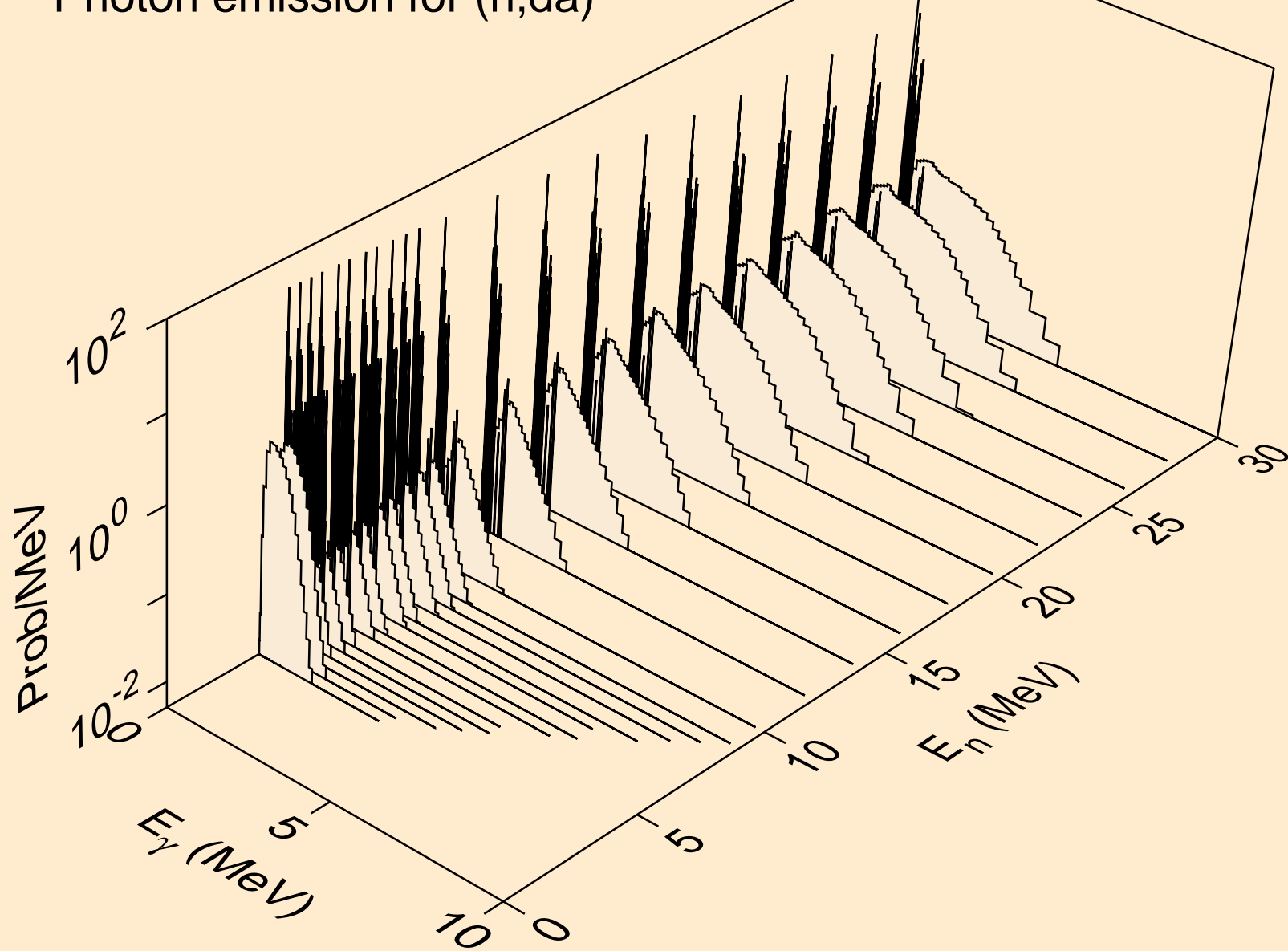
AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)



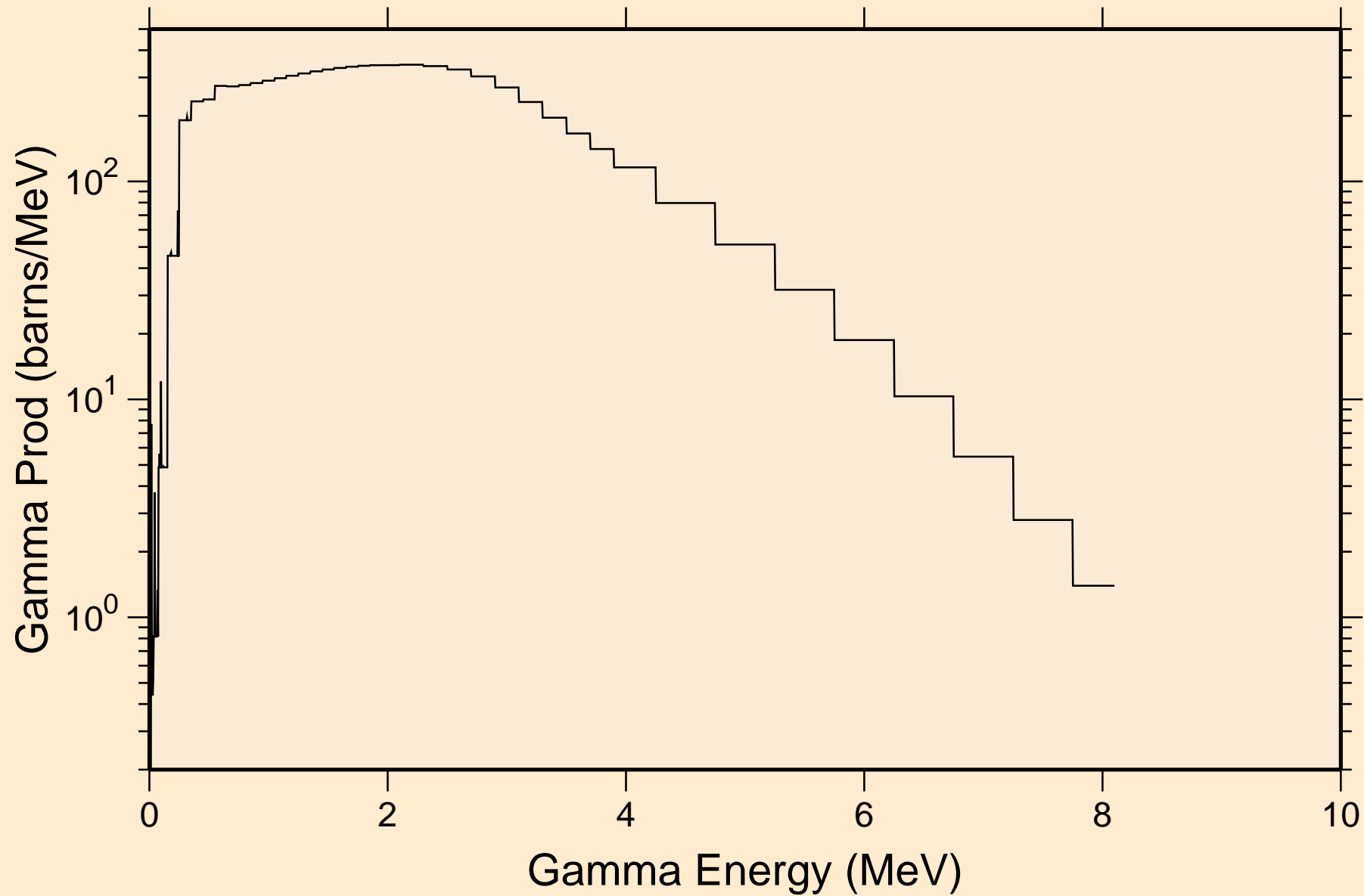
AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)



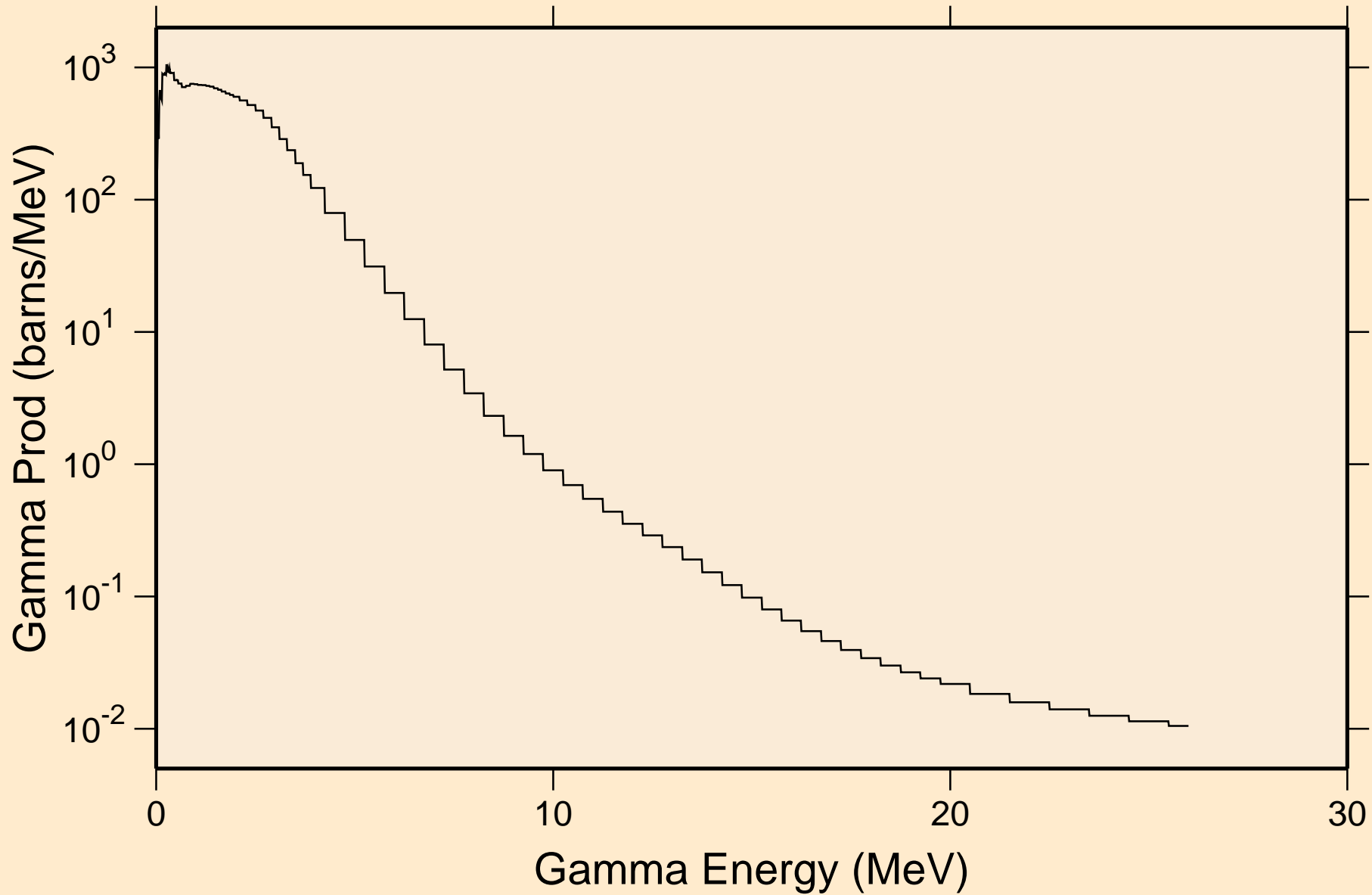
AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)



AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
thermal capture photon spectrum

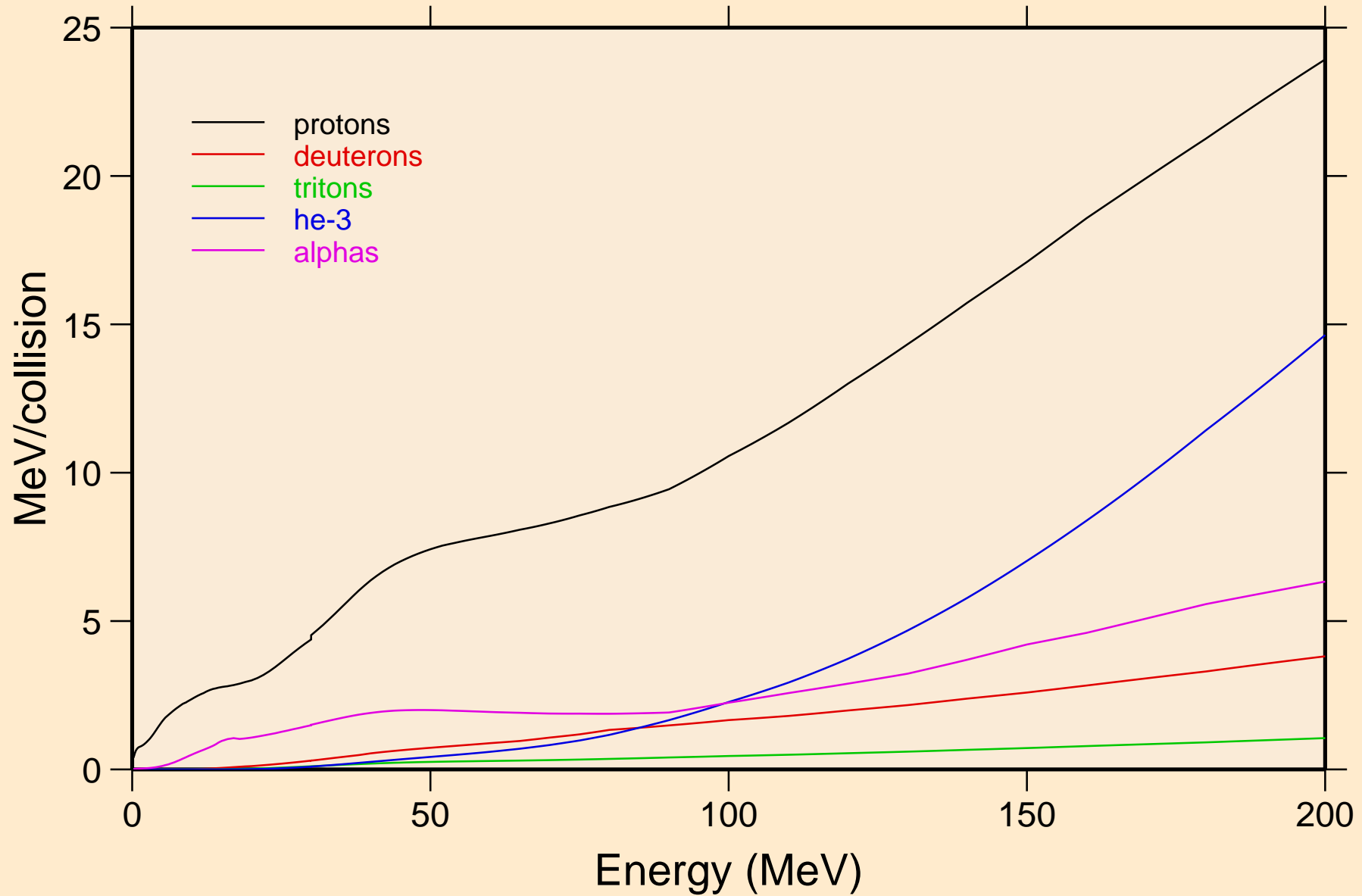


AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
14 MeV photon spectrum



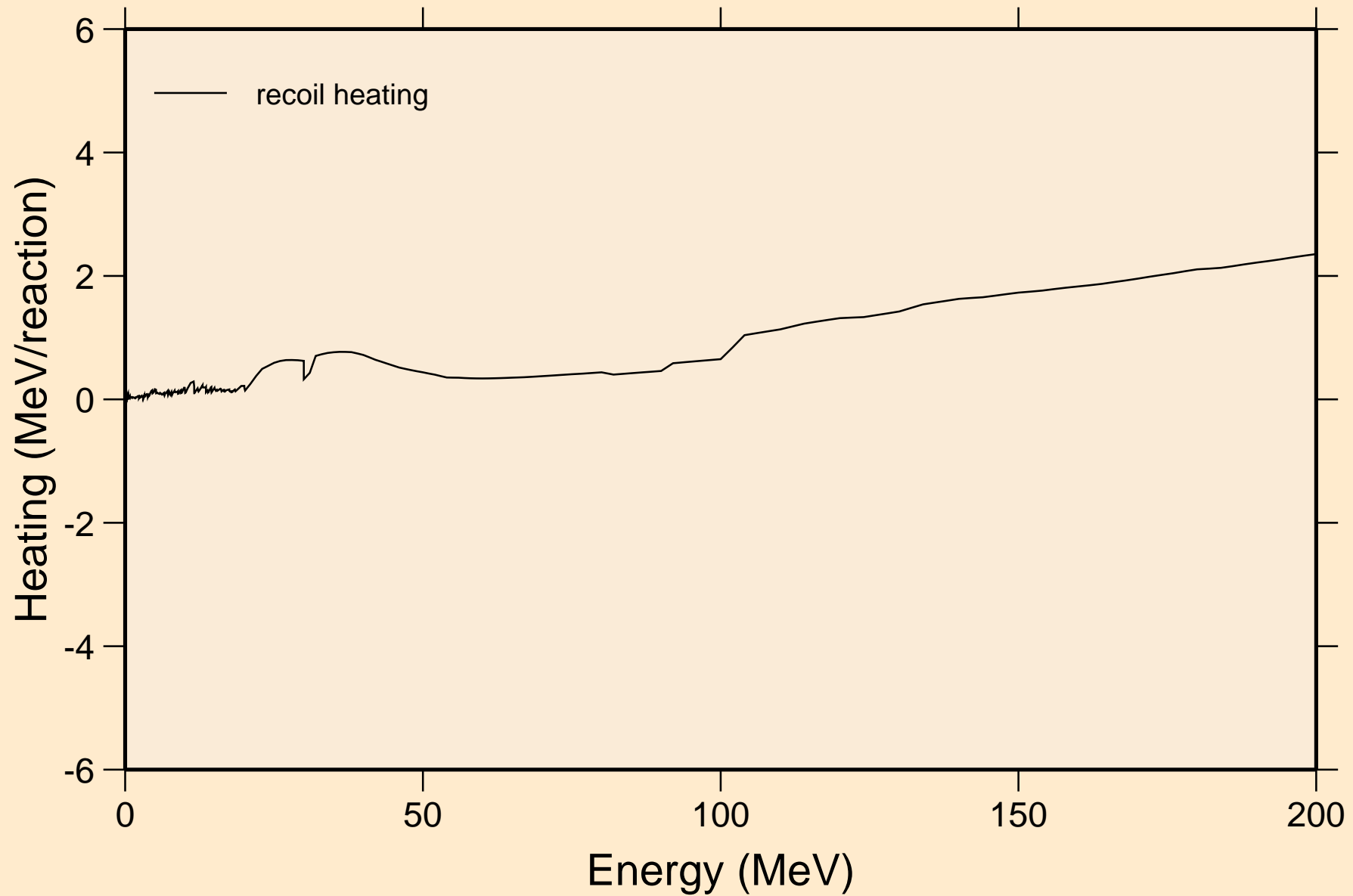
# AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Particle heating contributions



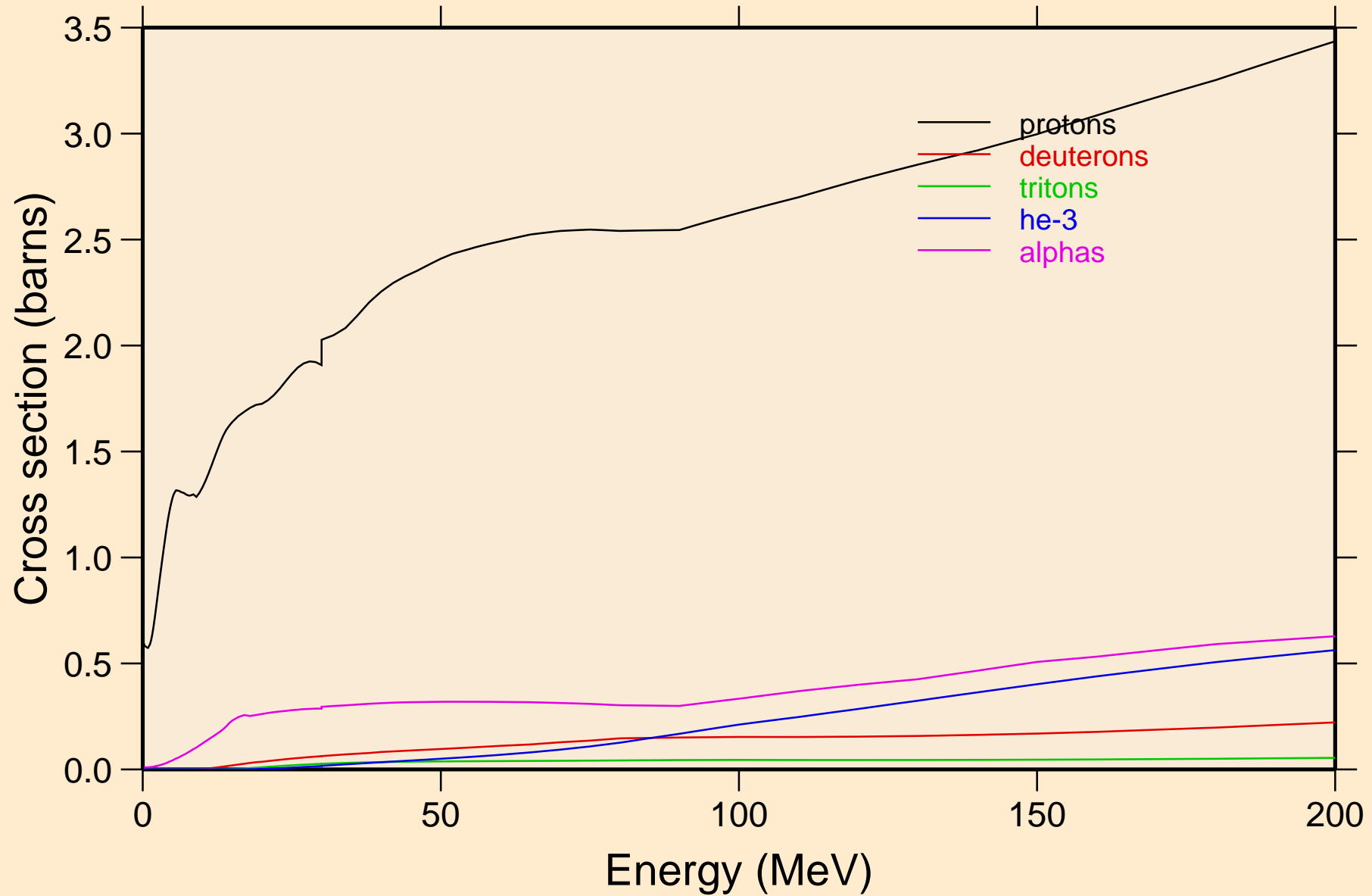


AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating

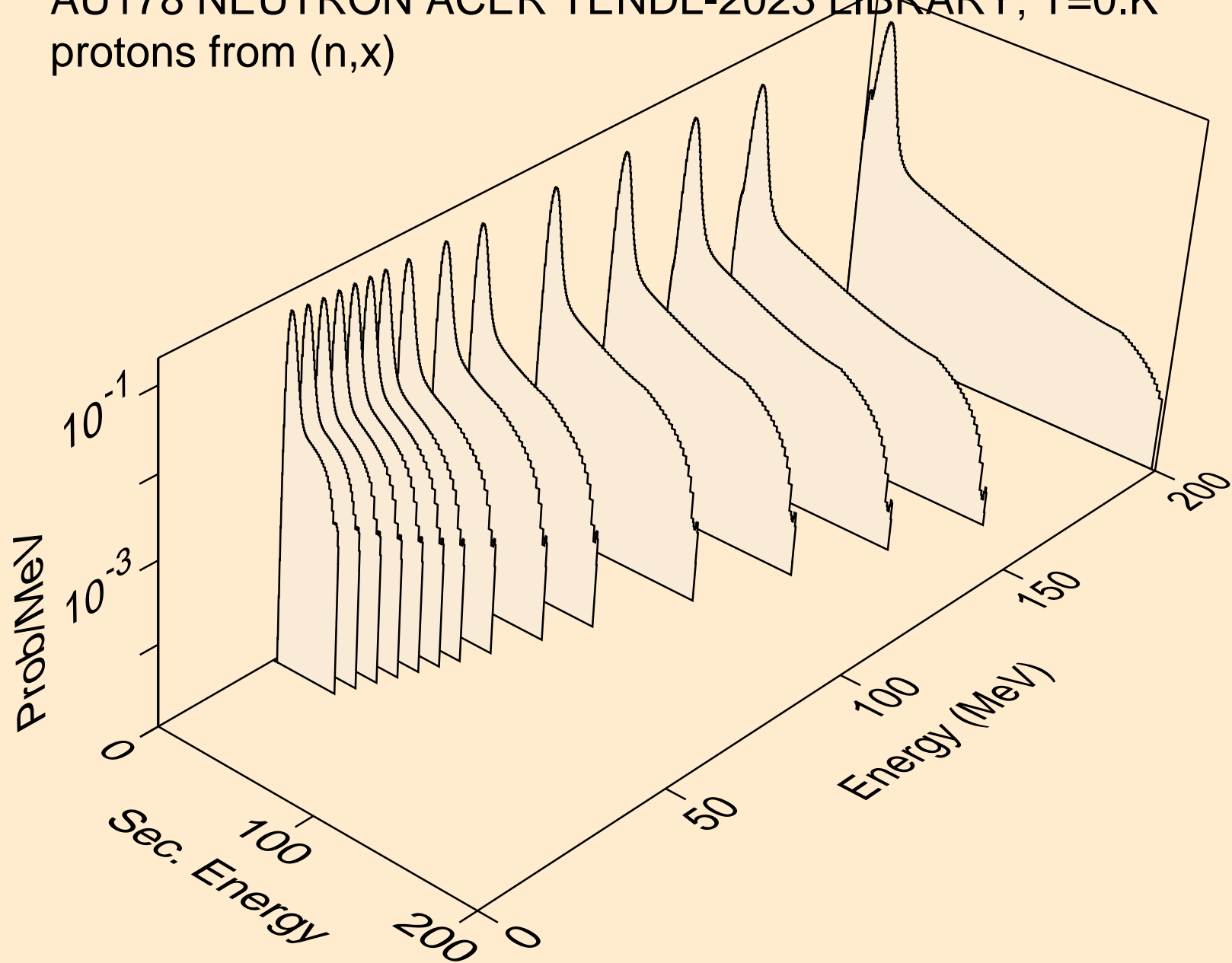


# AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

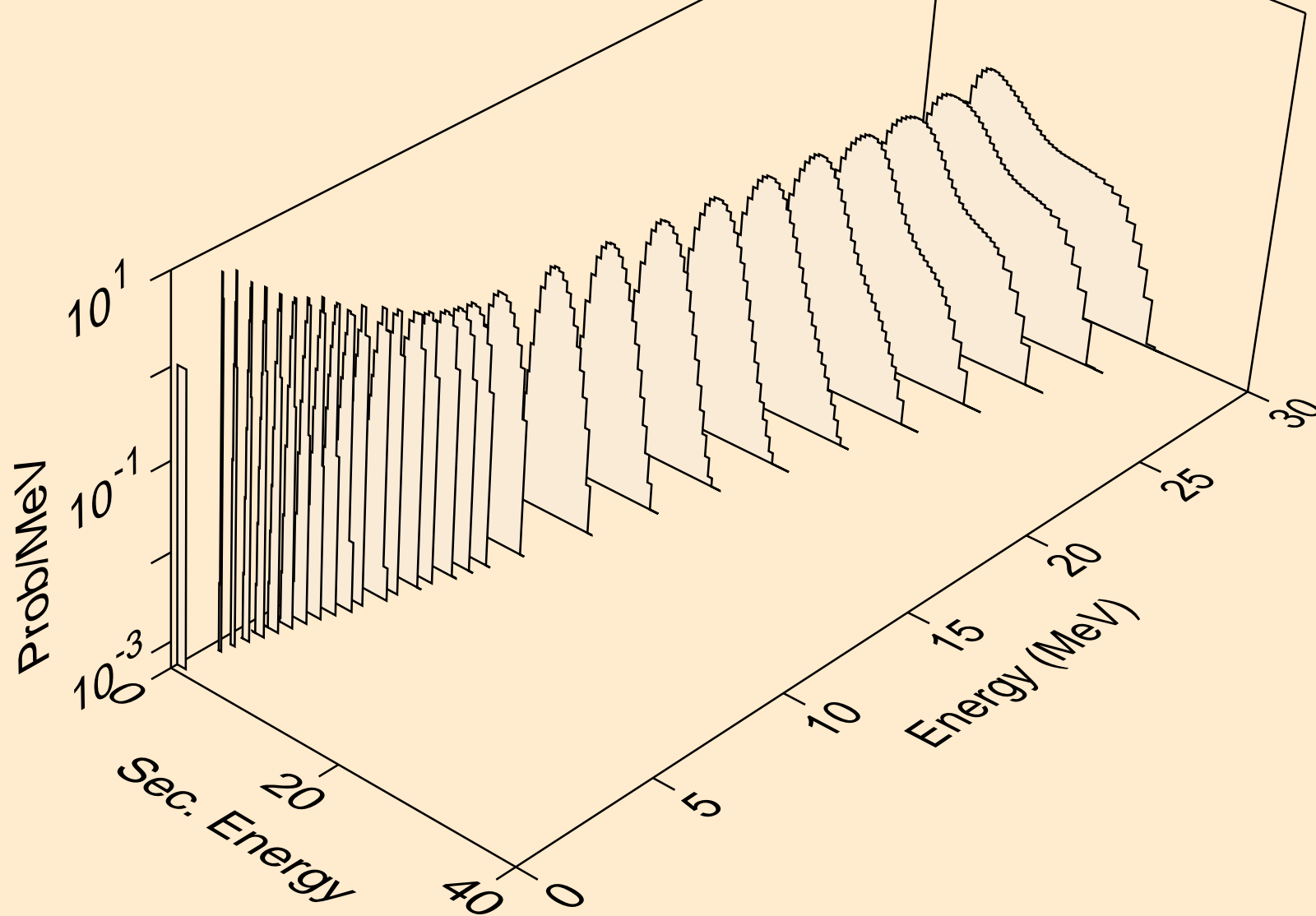
## Particle production cross sections



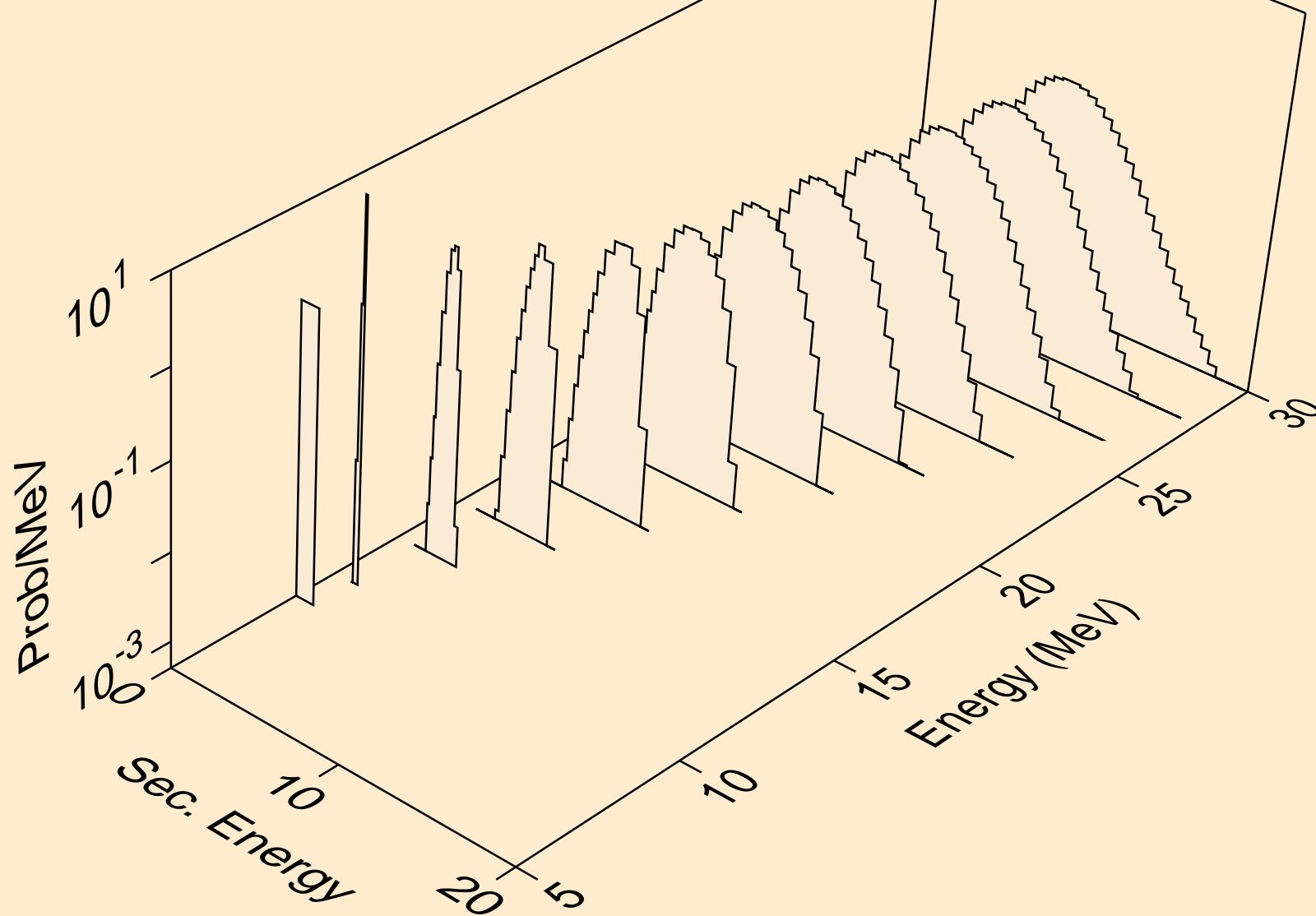
AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,x)



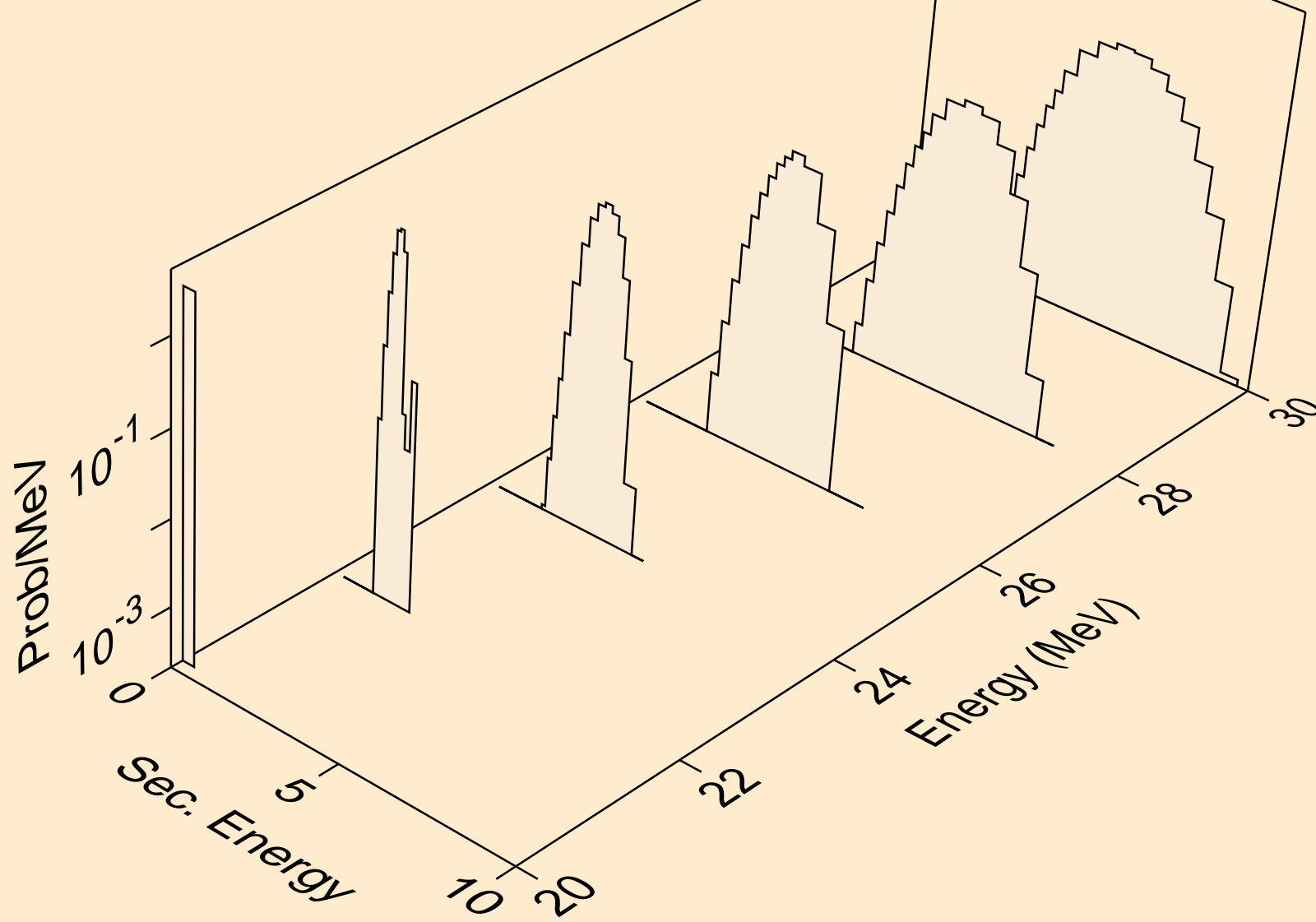
AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n\*)p



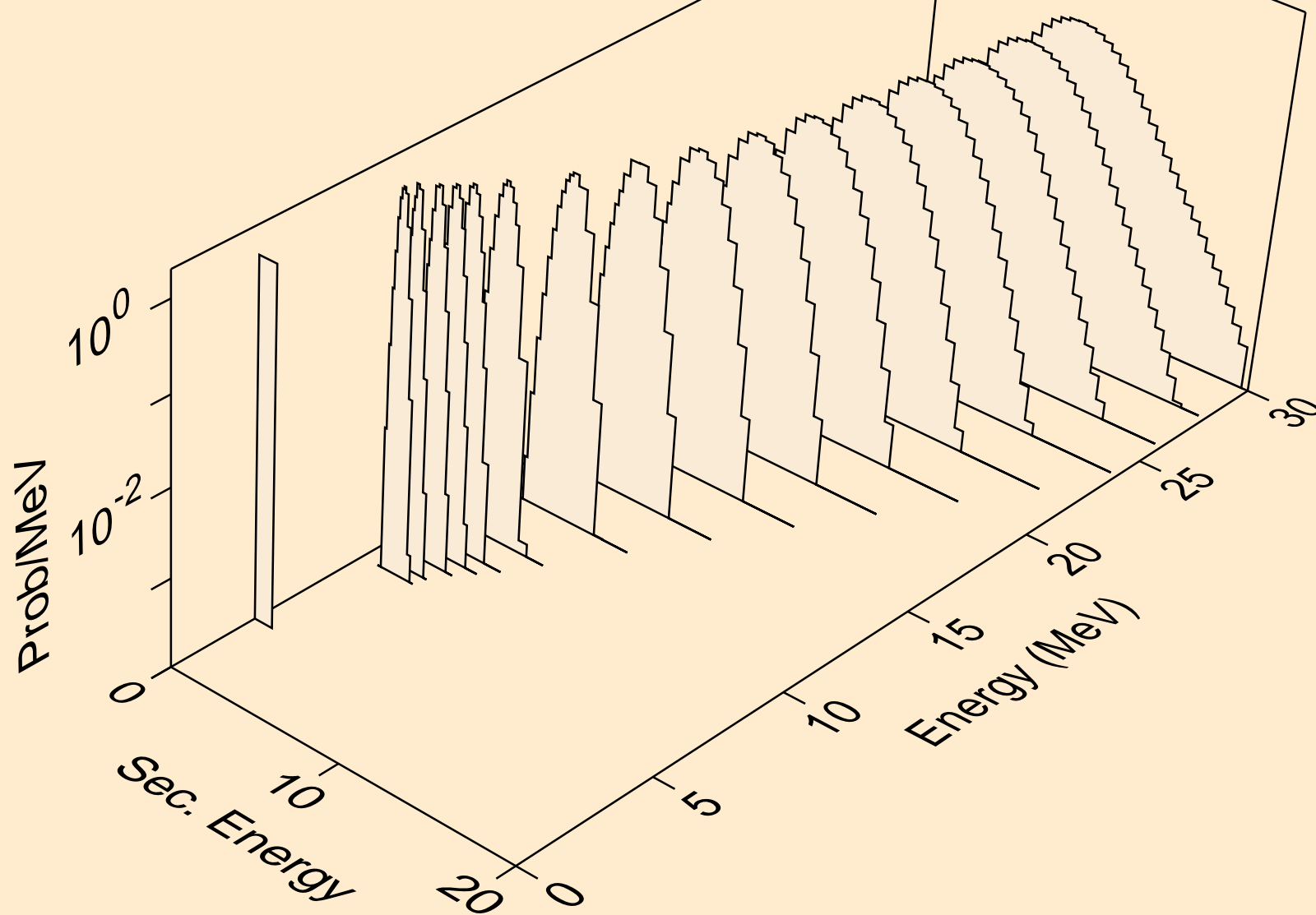
AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,2np)



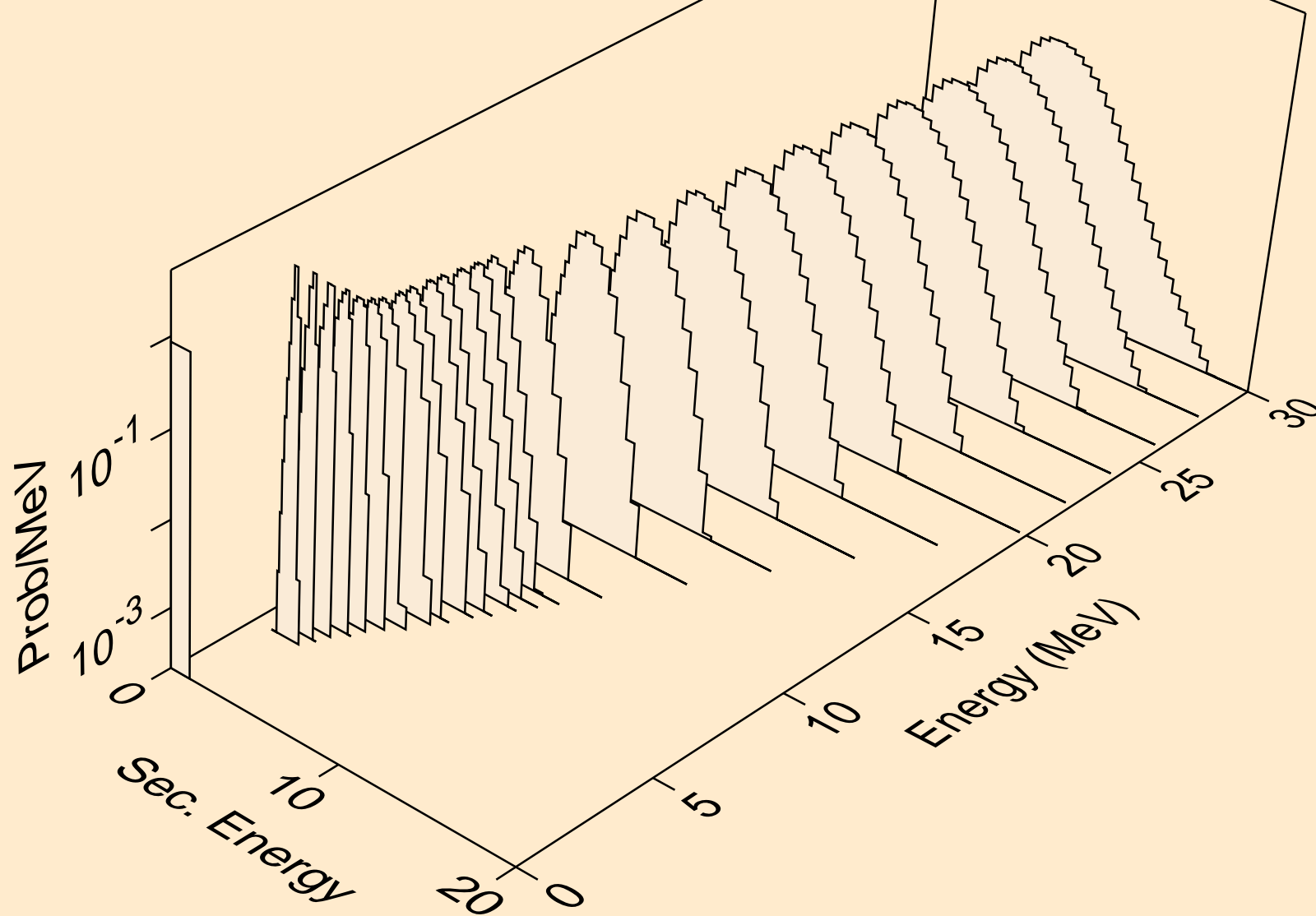
AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,3np)



AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n2p)

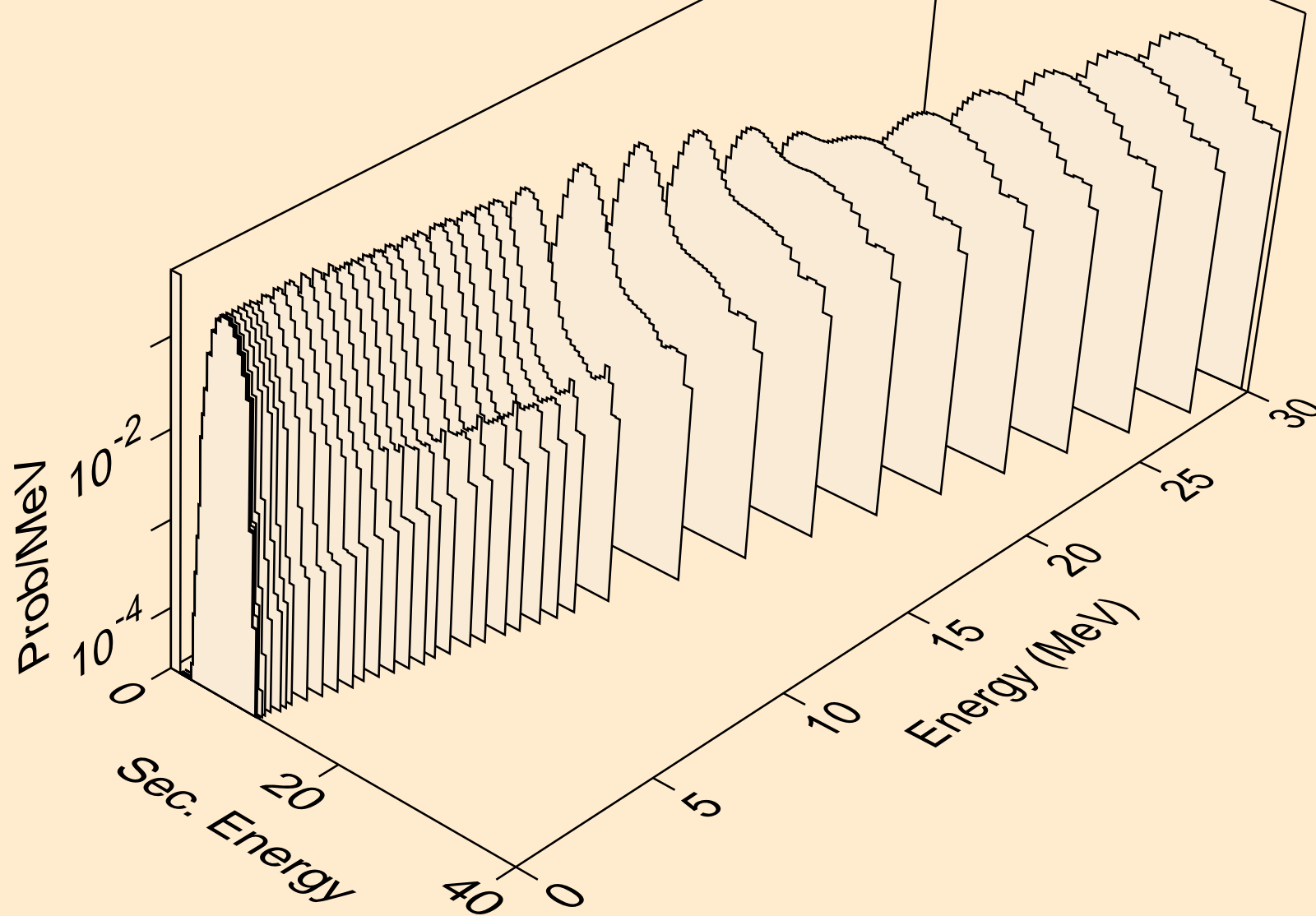


AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,npa)

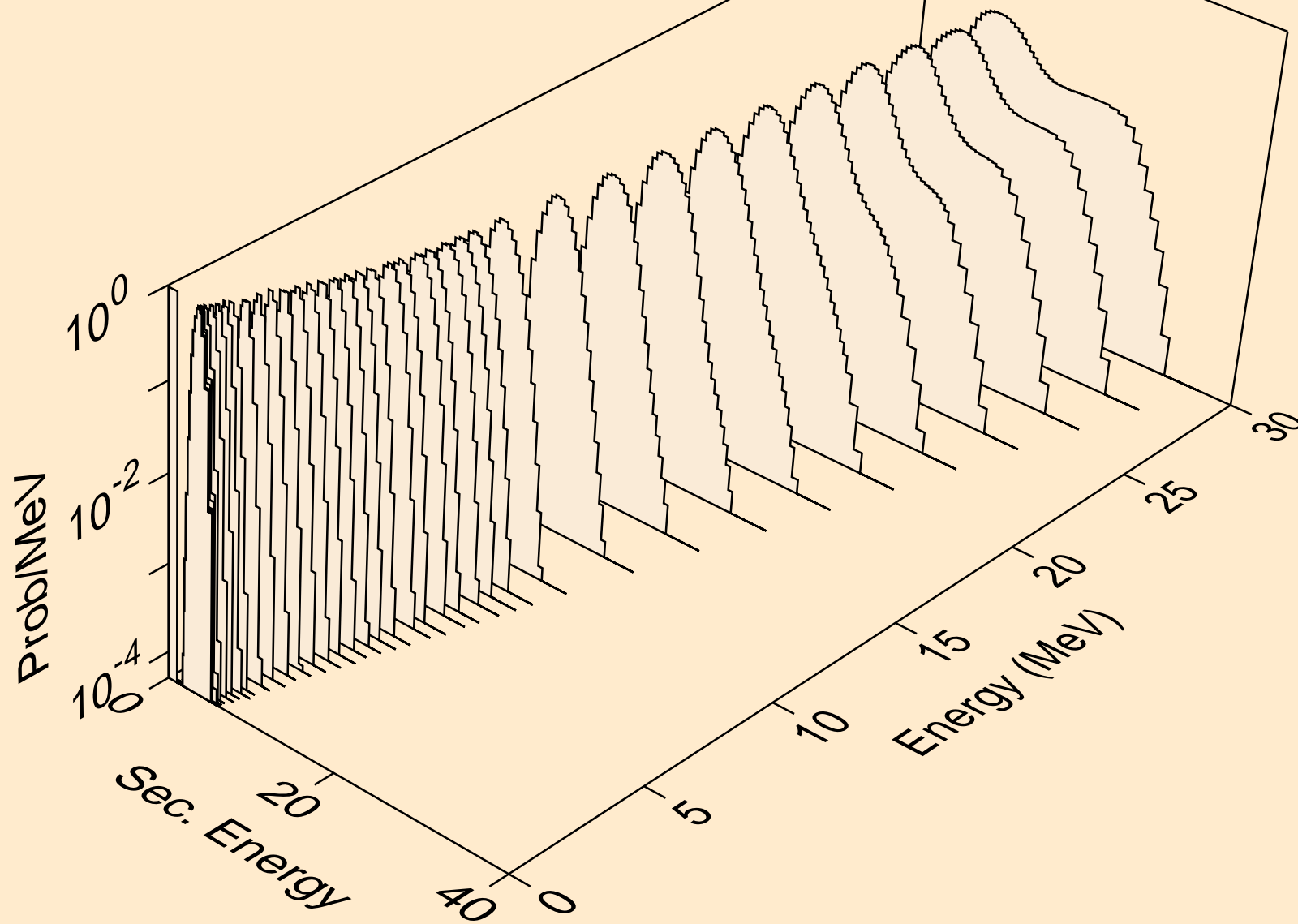




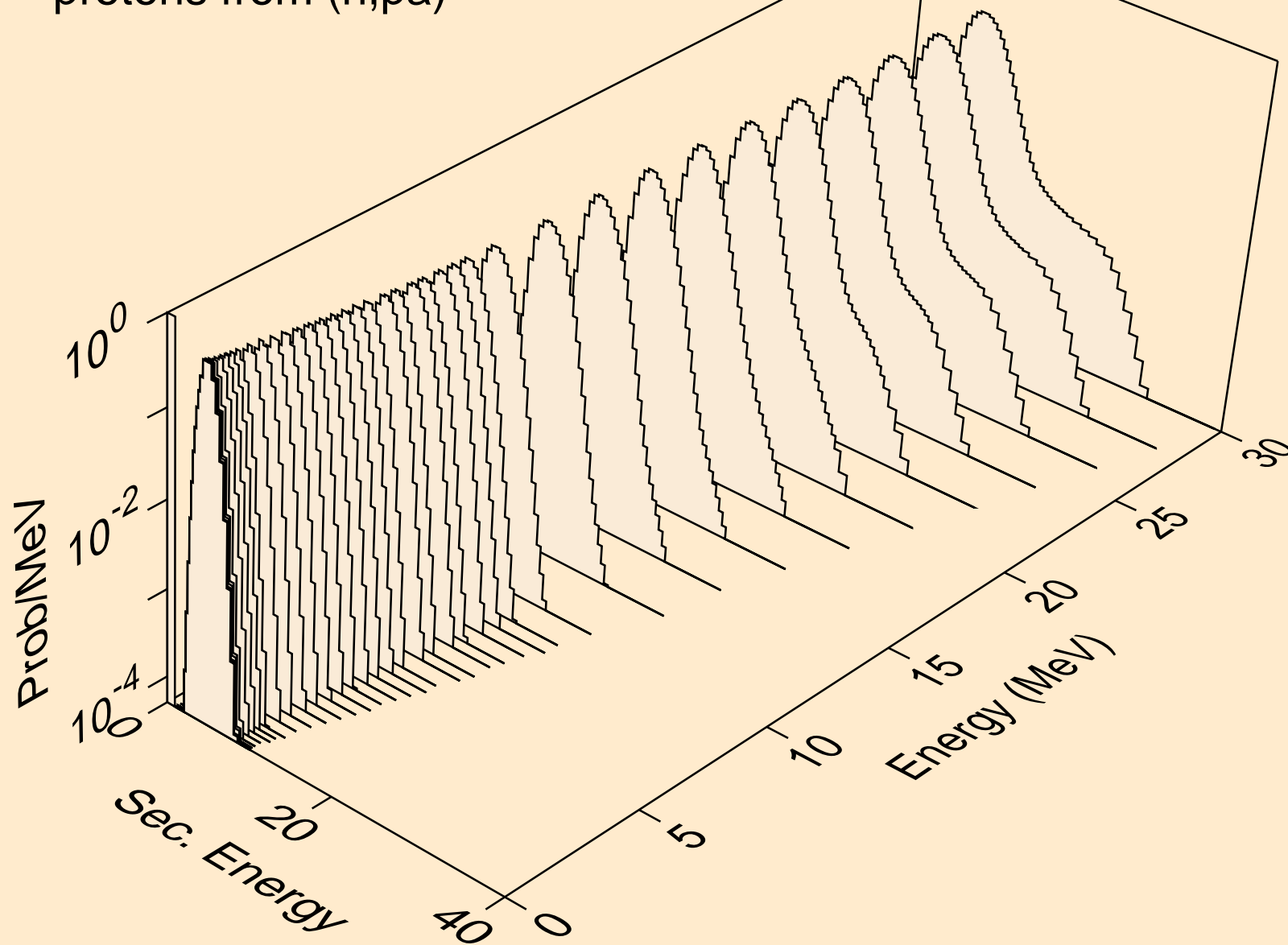
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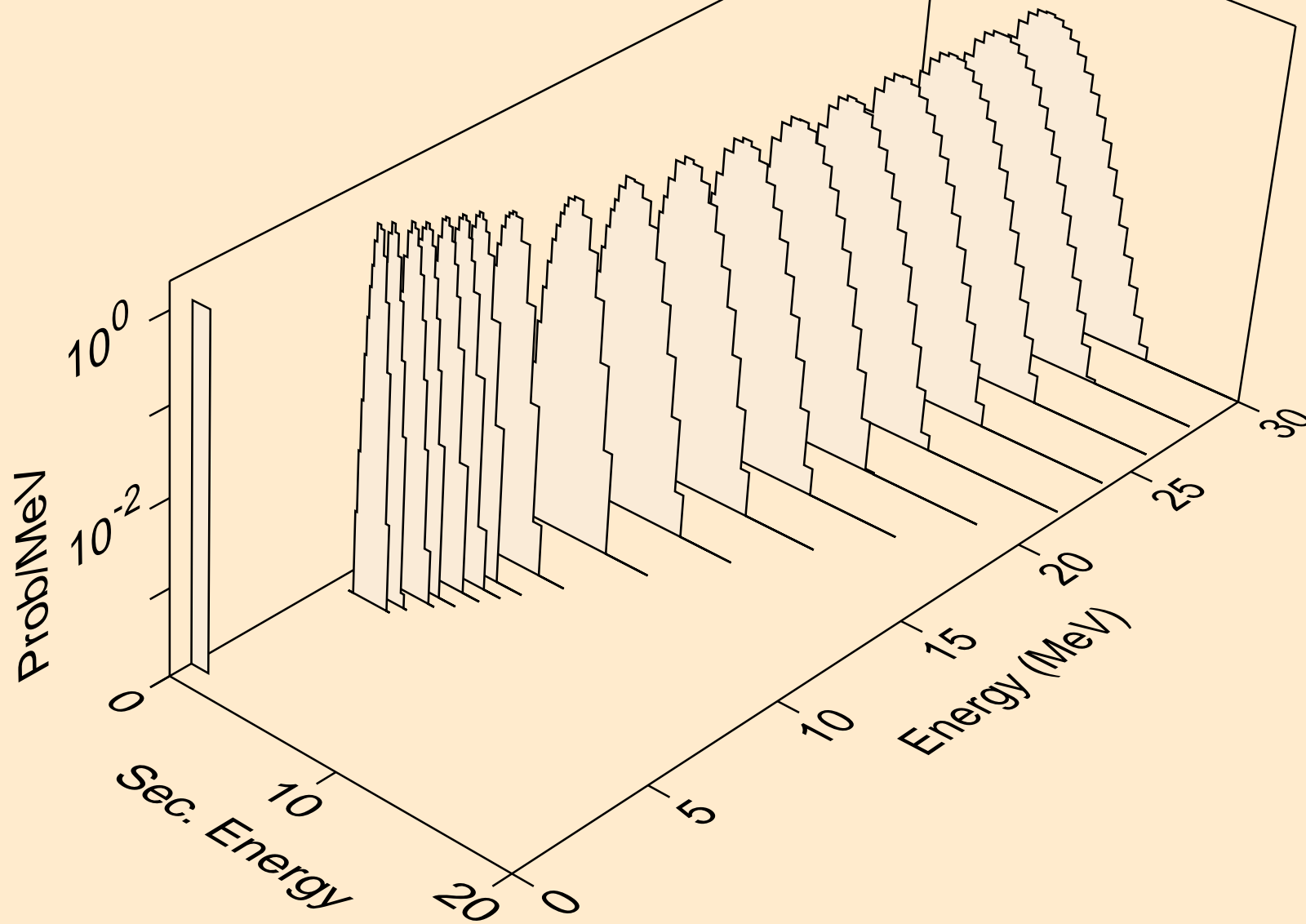
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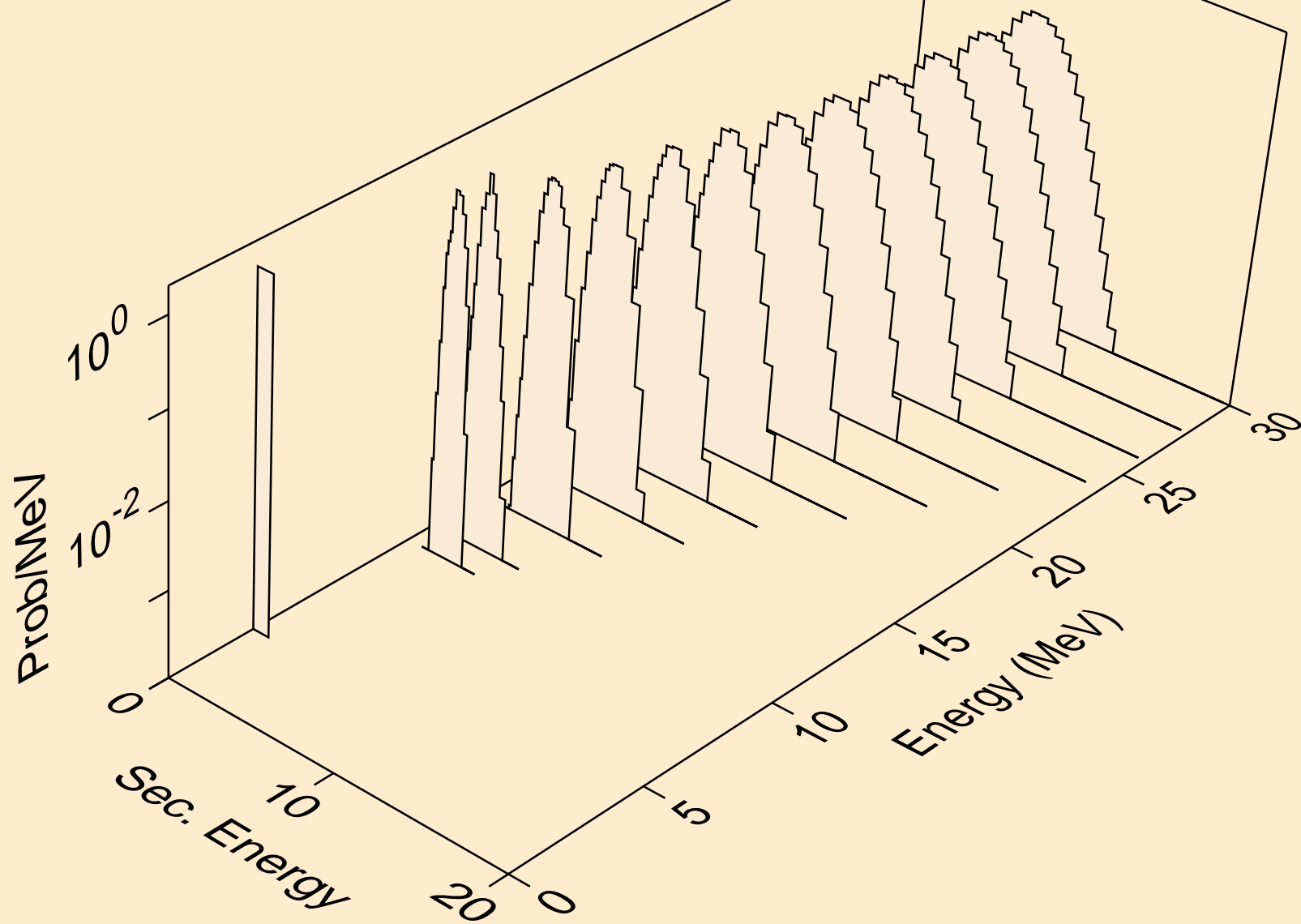
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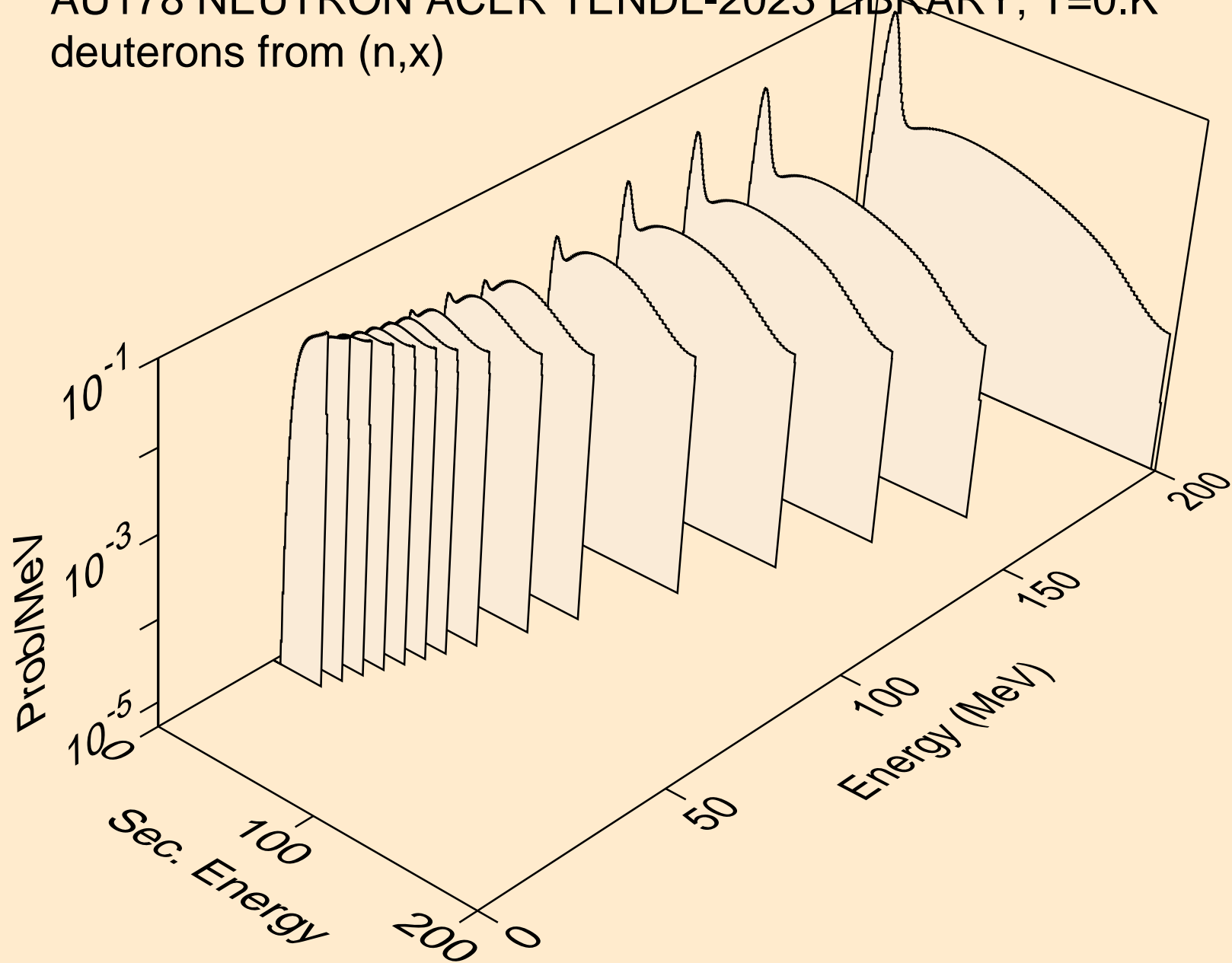
AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,pd)



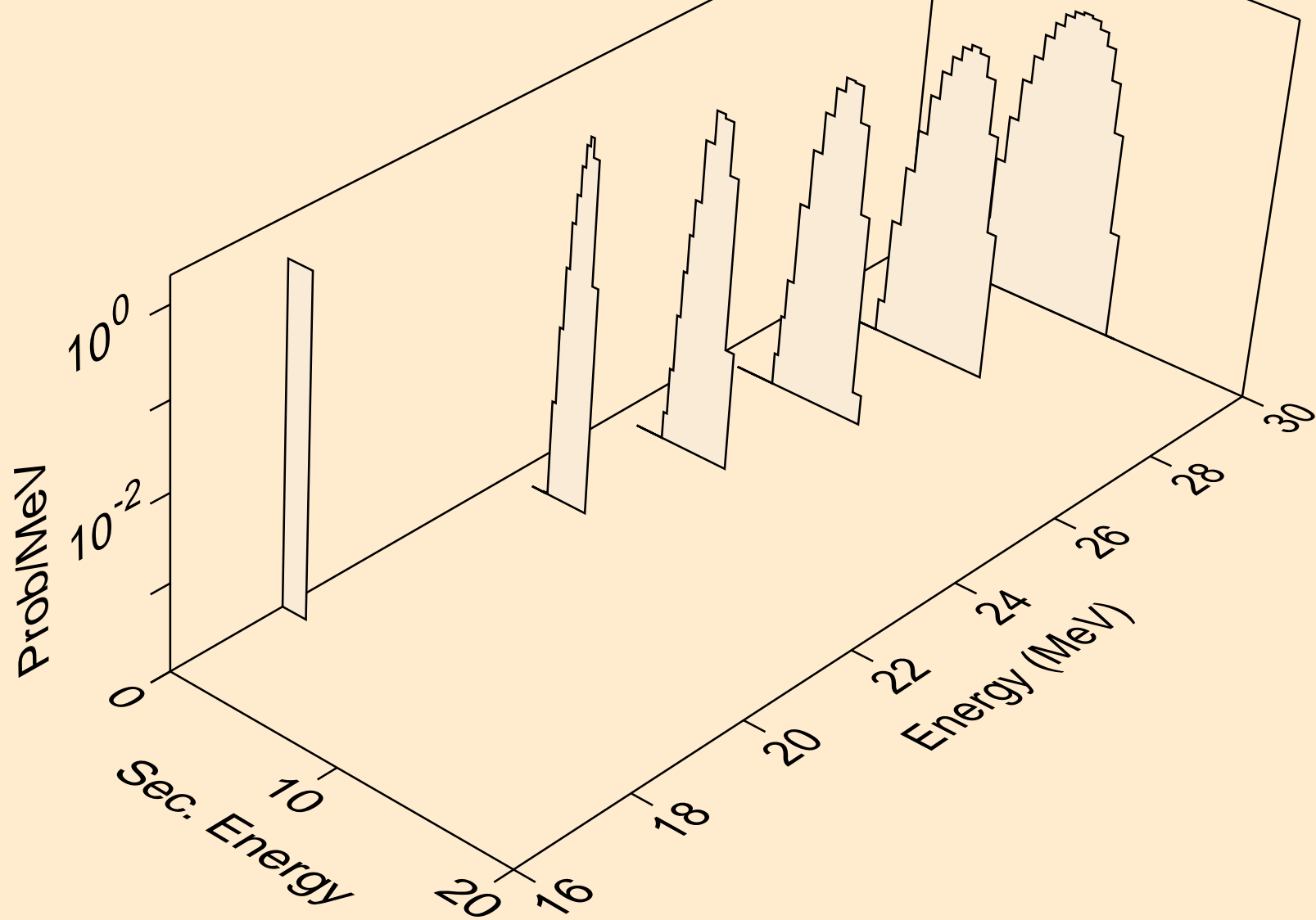
AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
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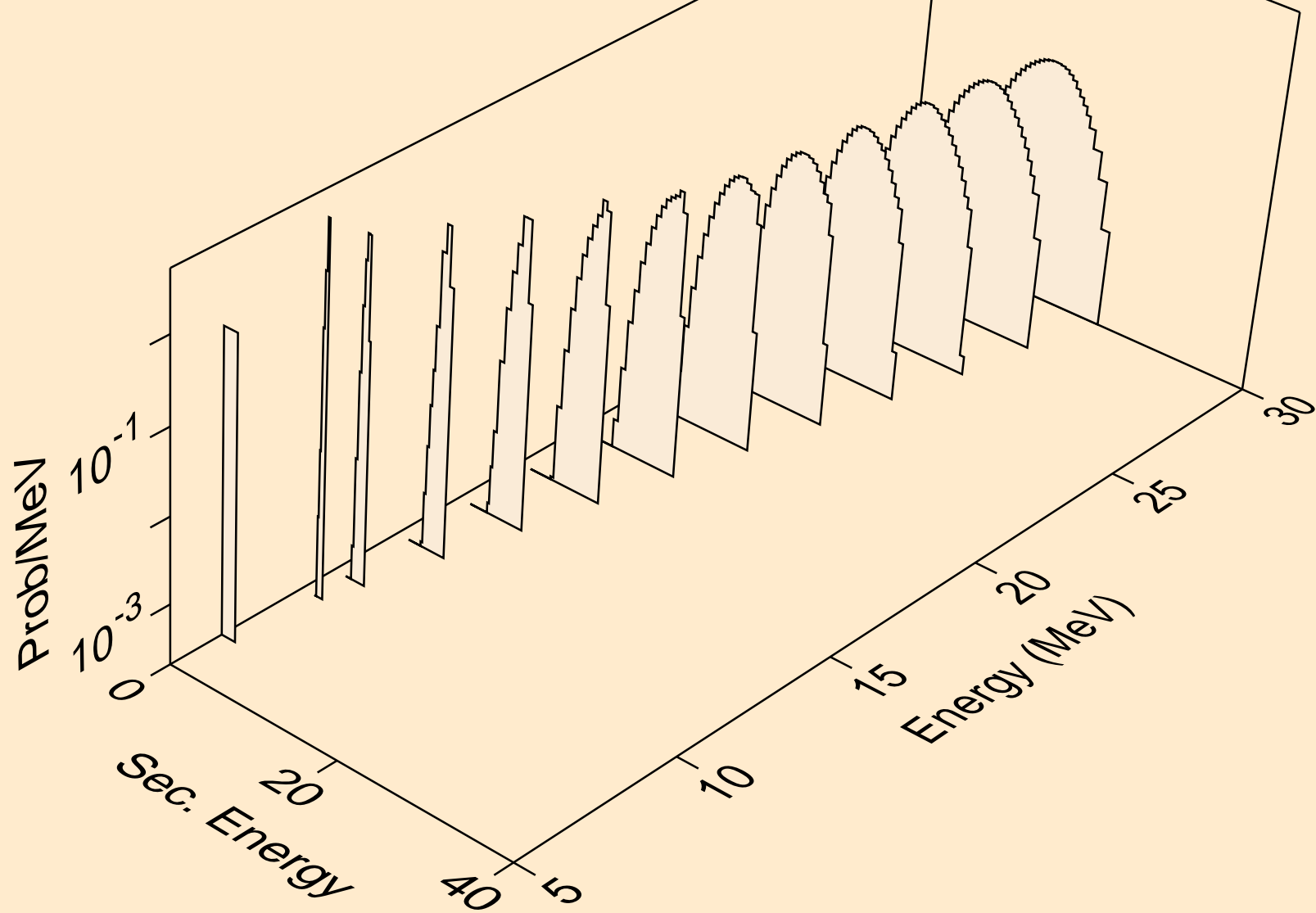
AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,x)



AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,2nd)

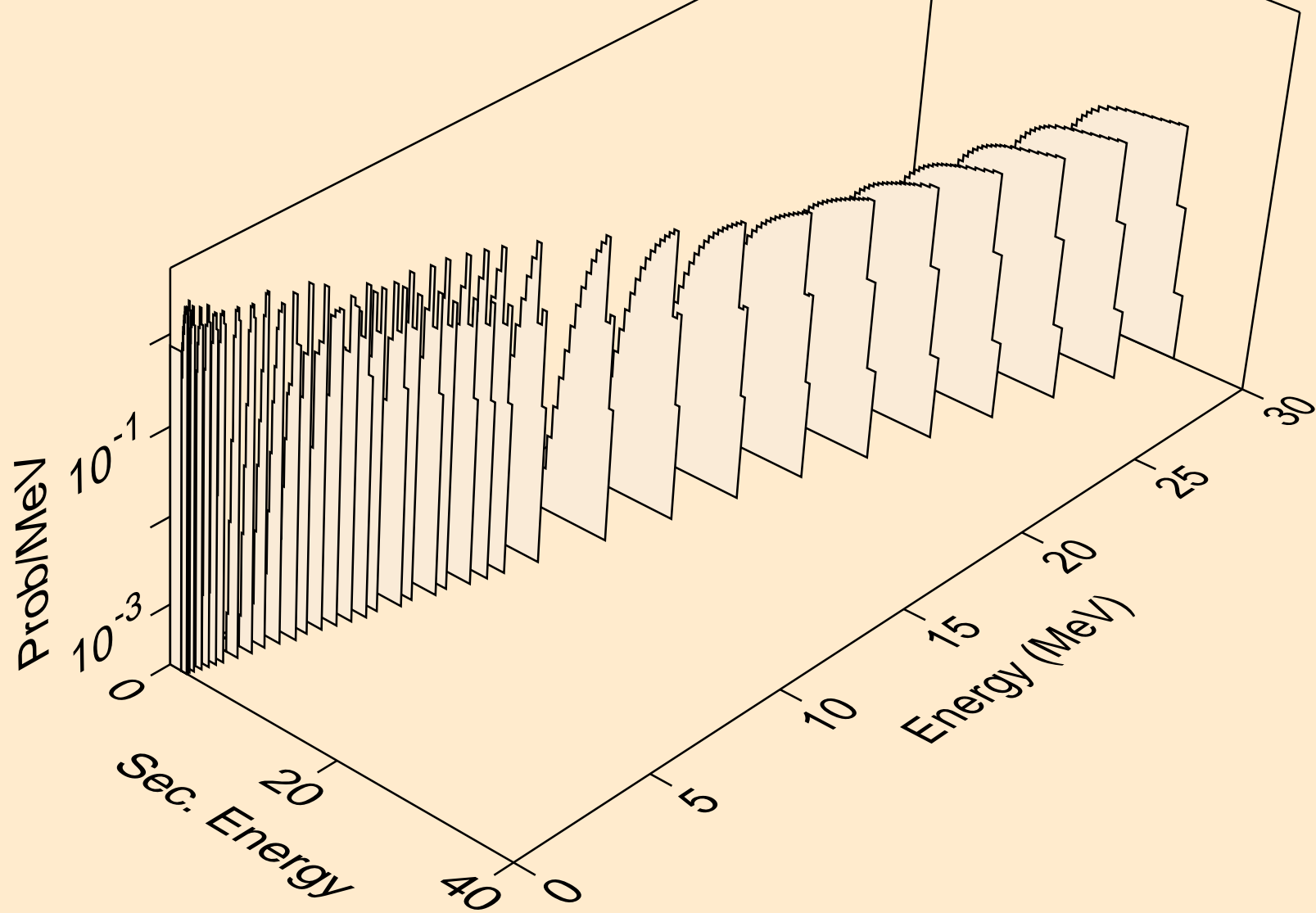


AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,n\*)d

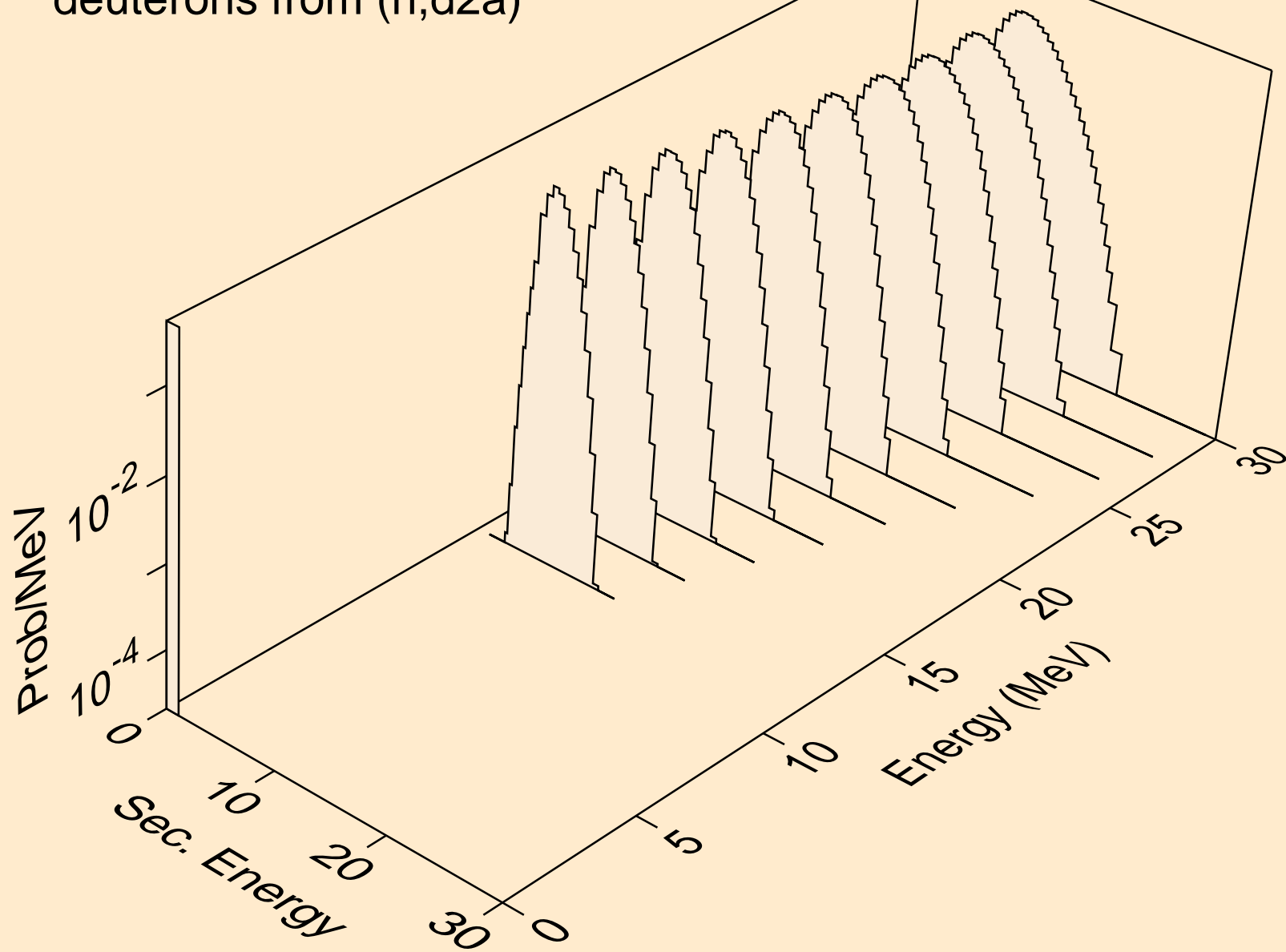




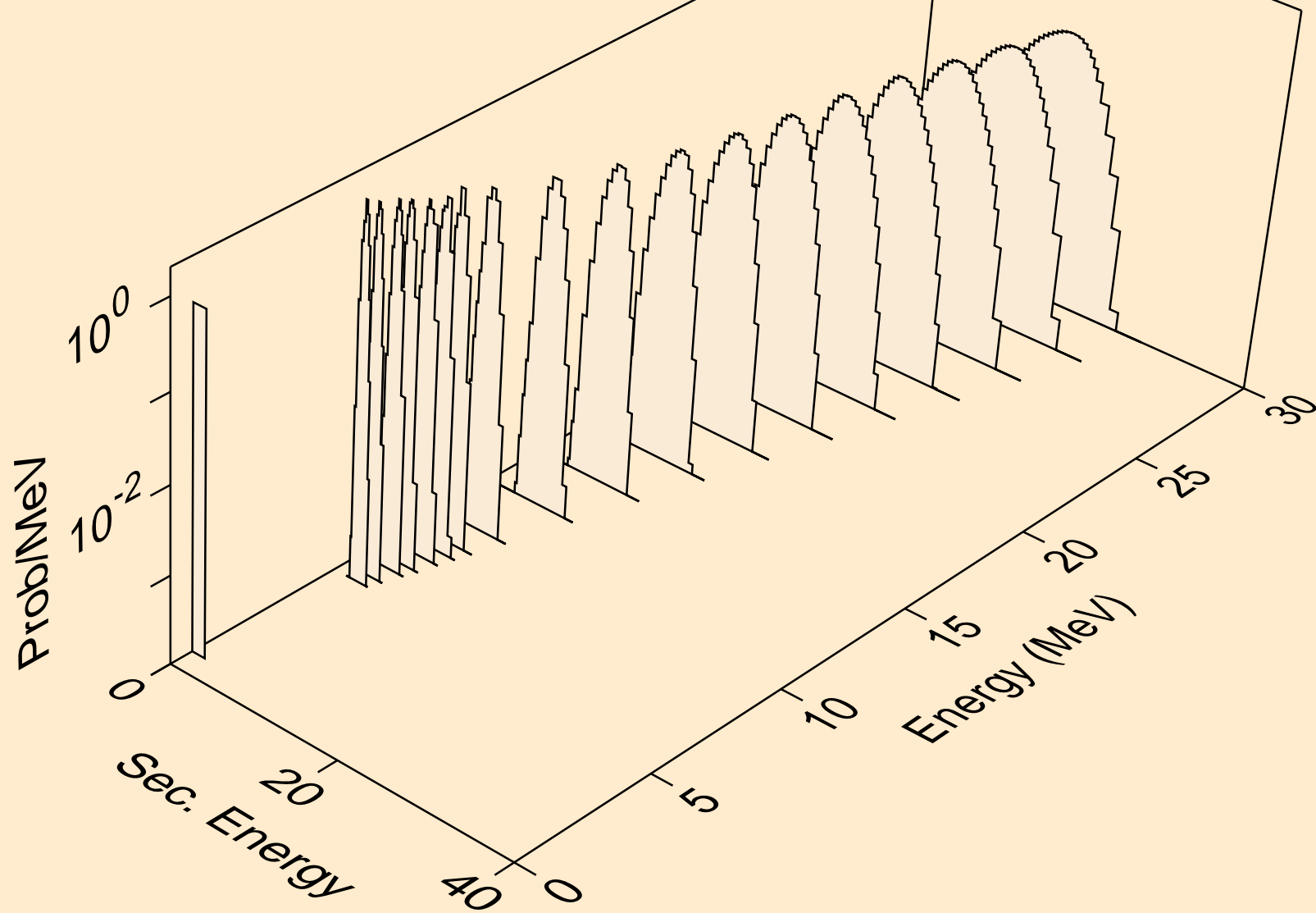
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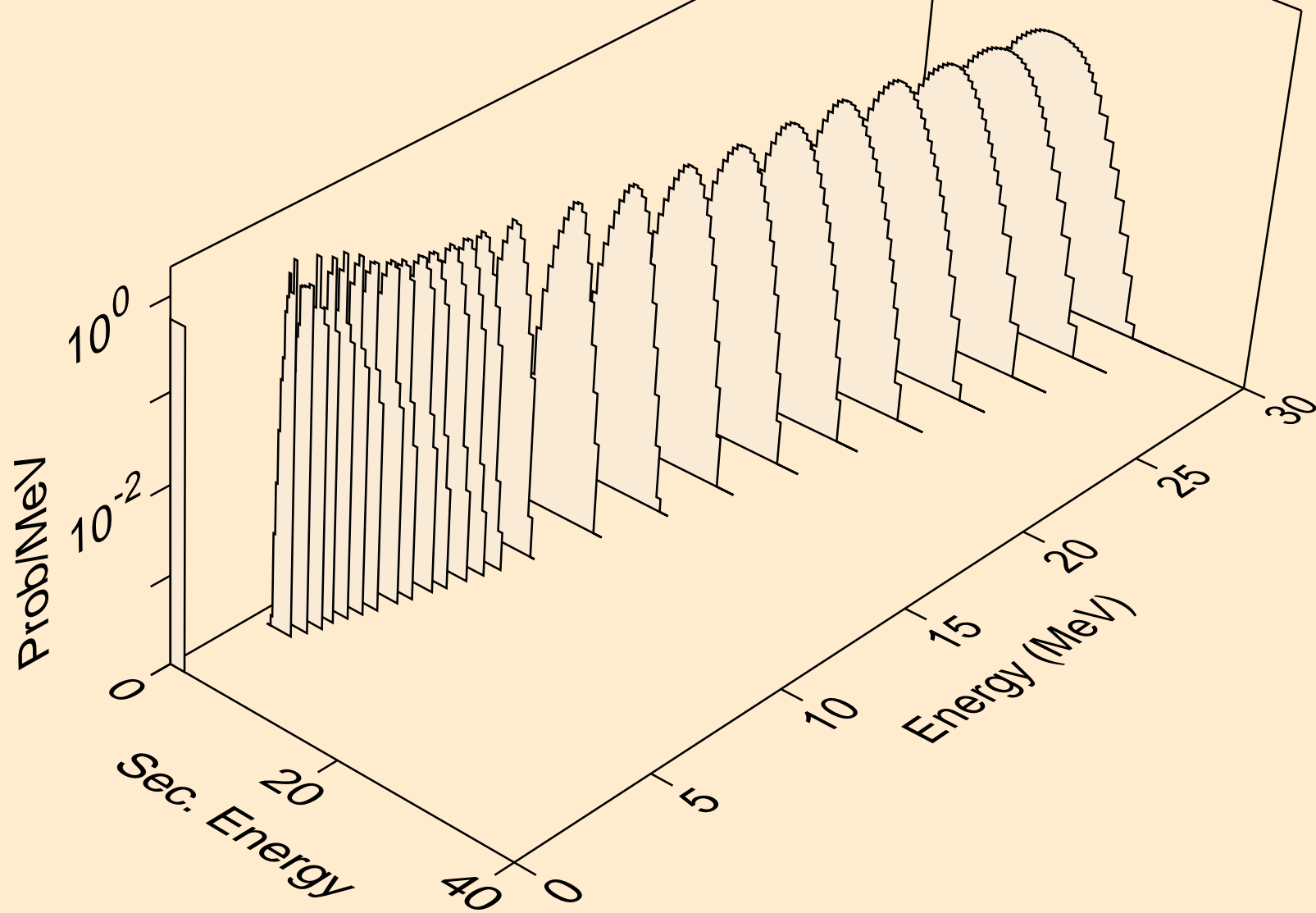
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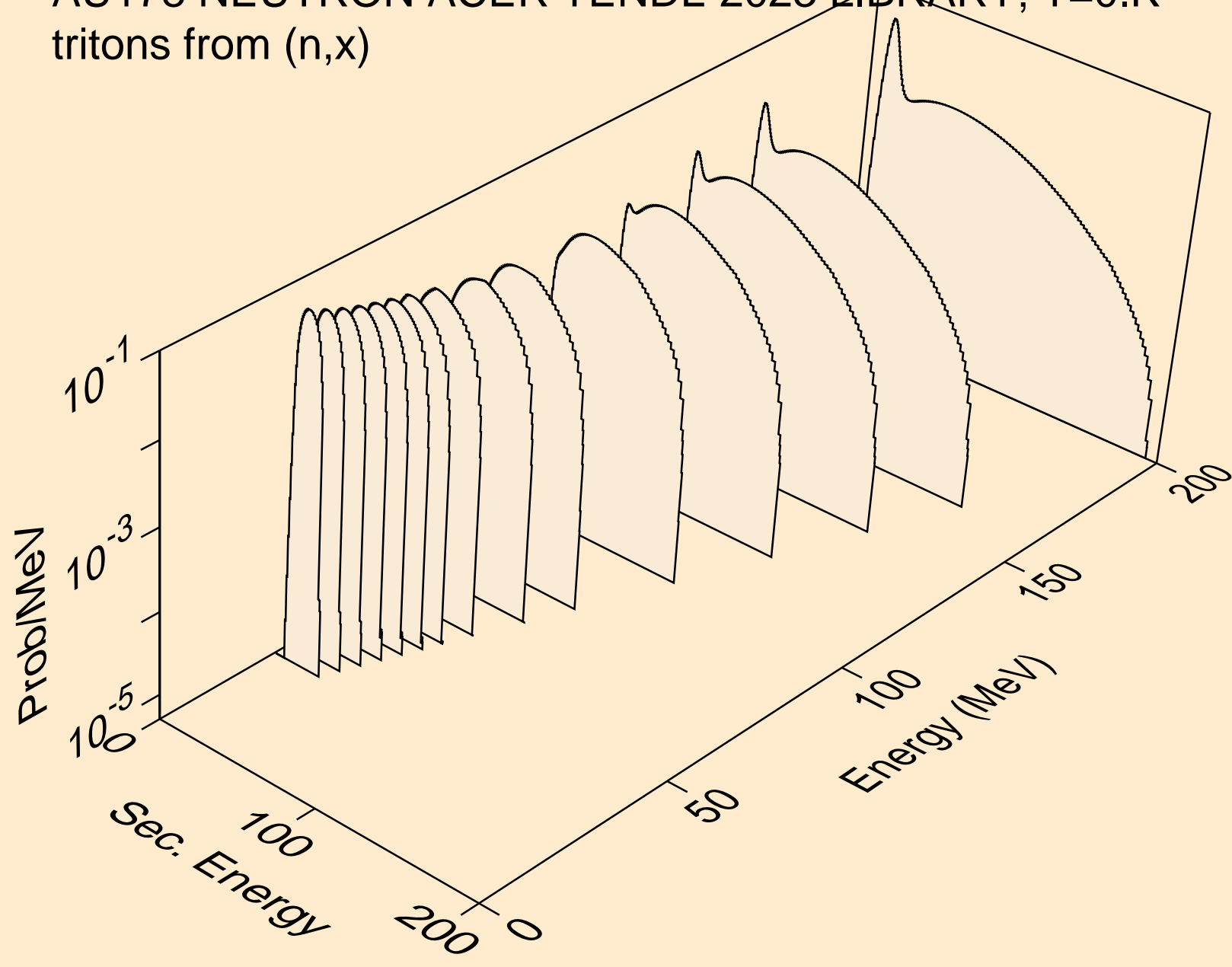
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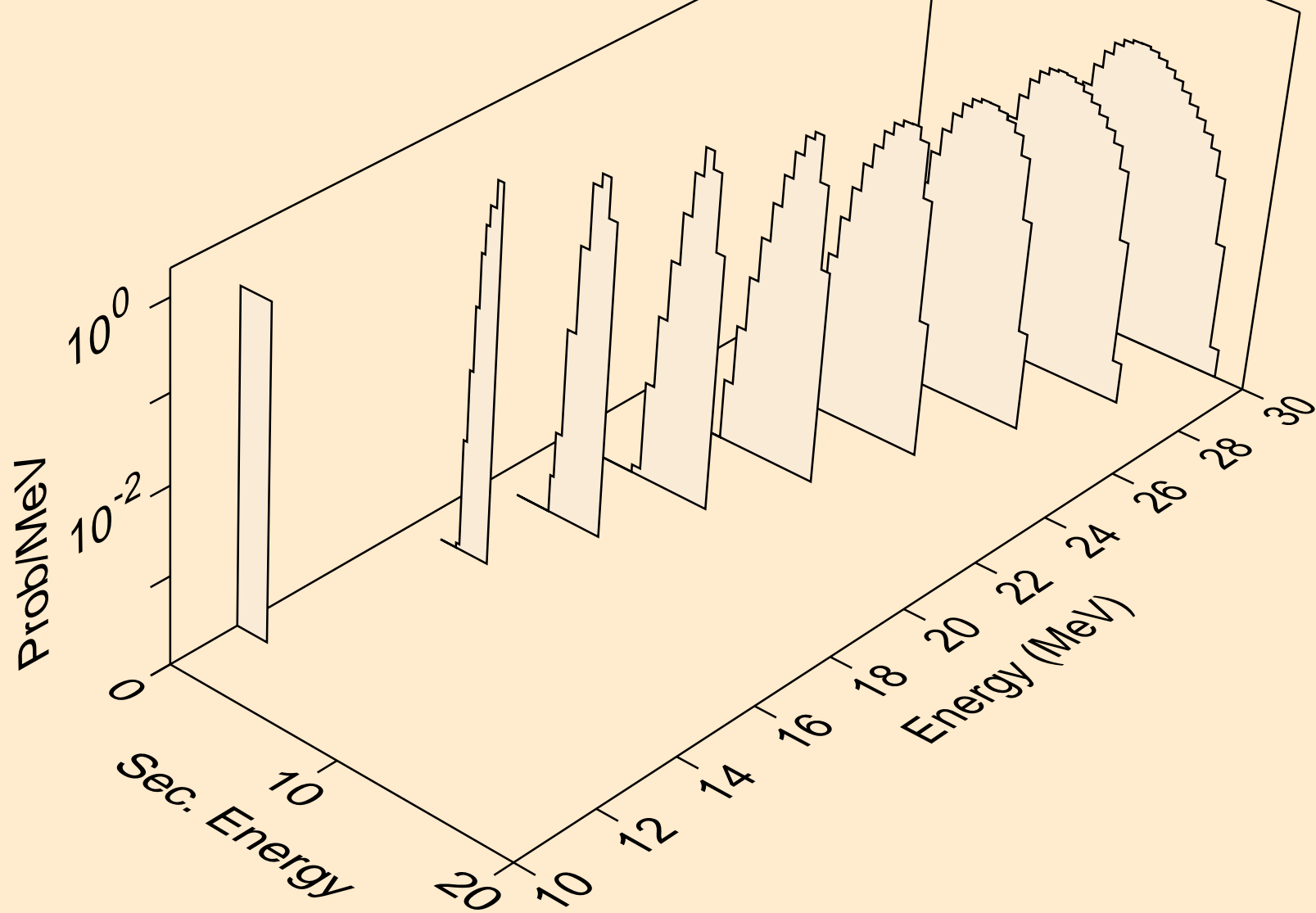
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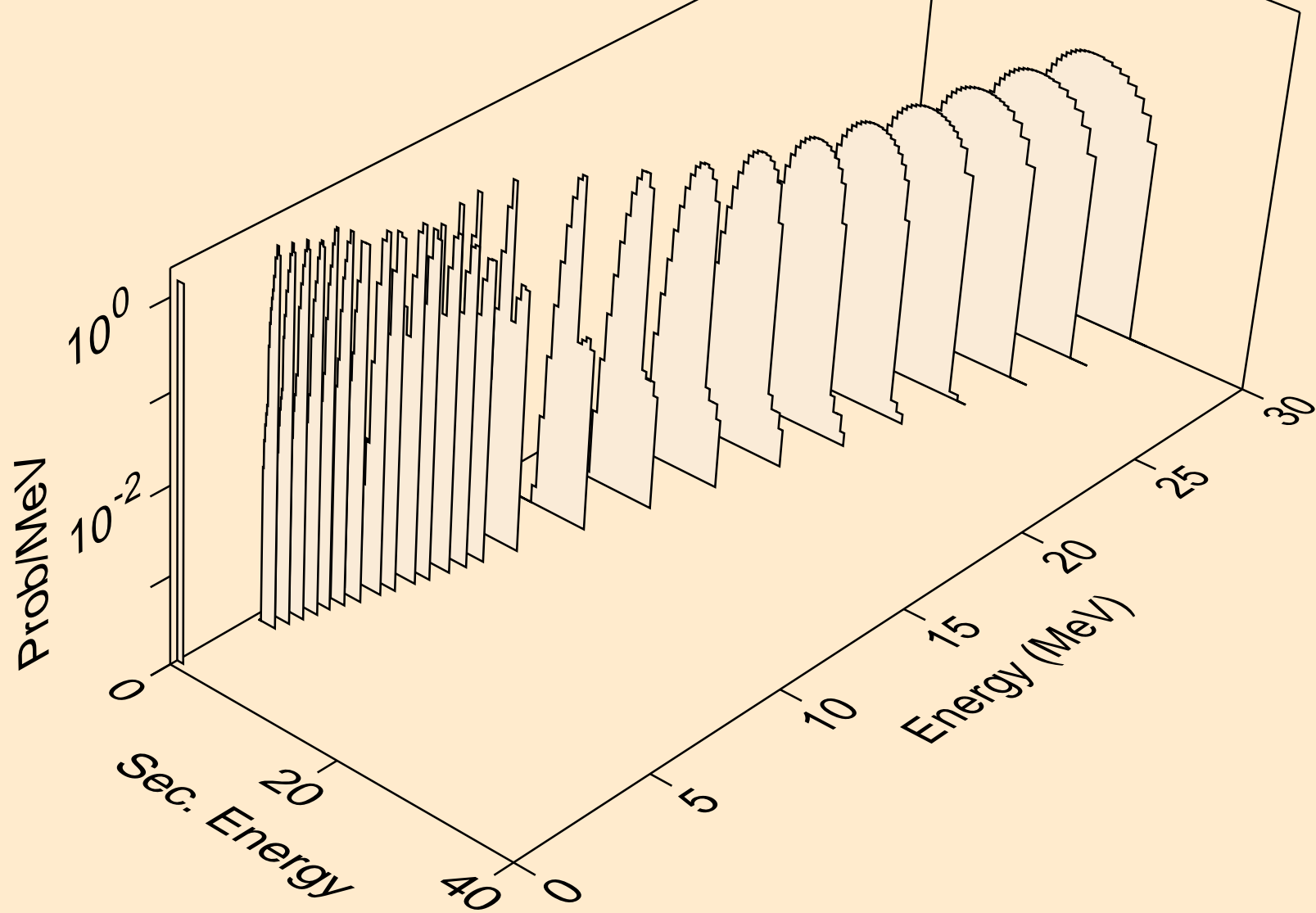
AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,x)



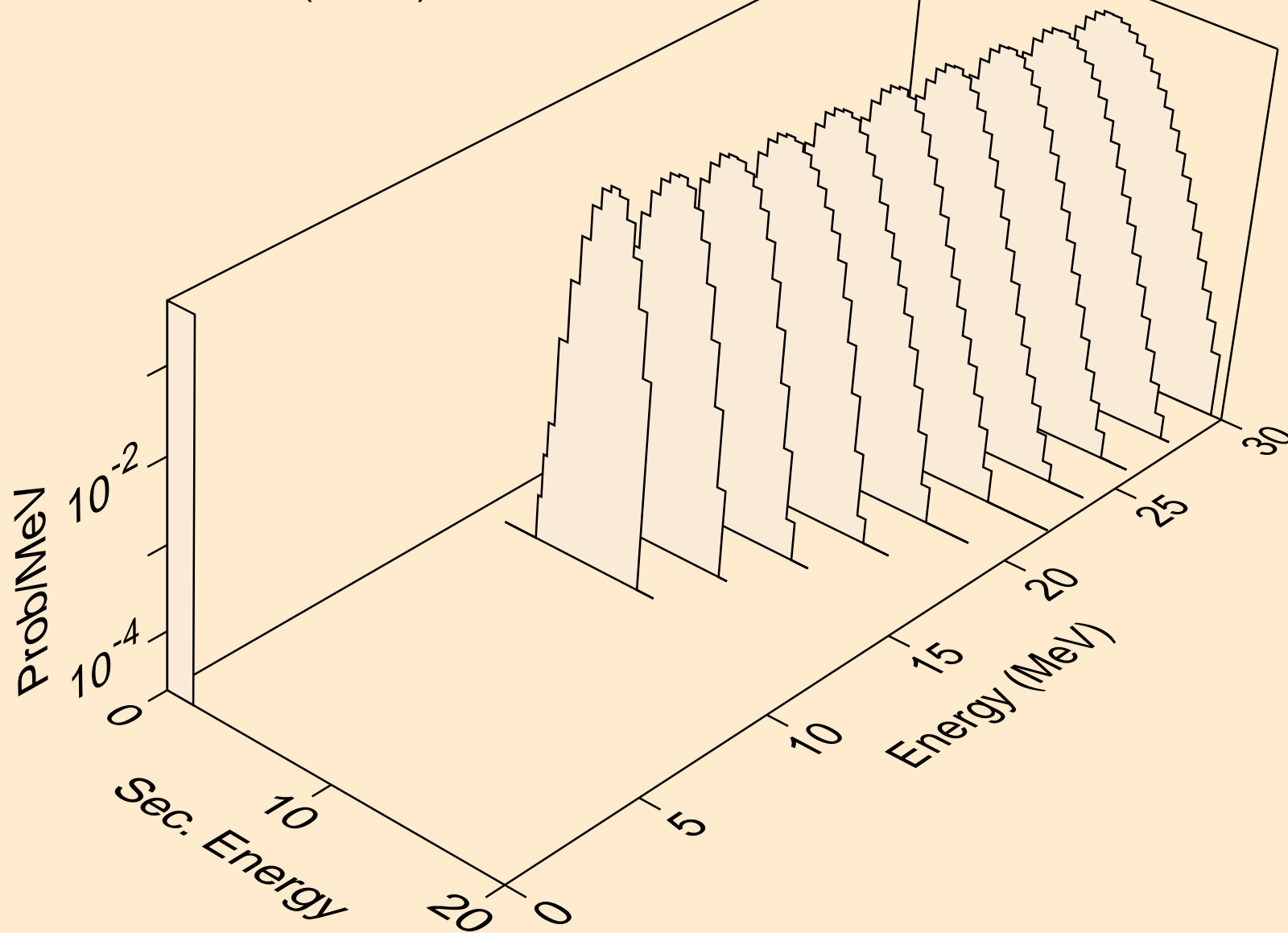
AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,n\*)t



AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,t)

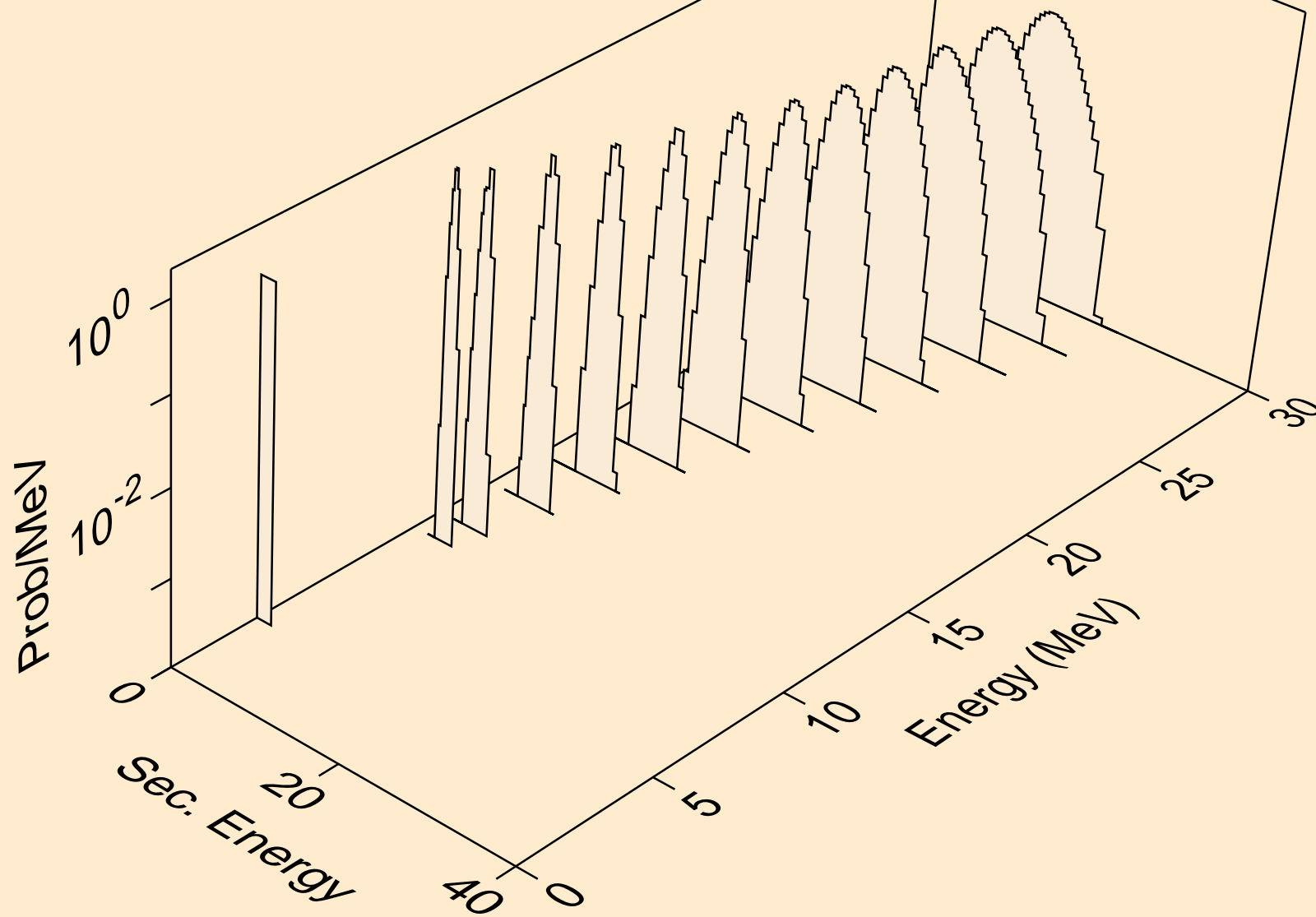


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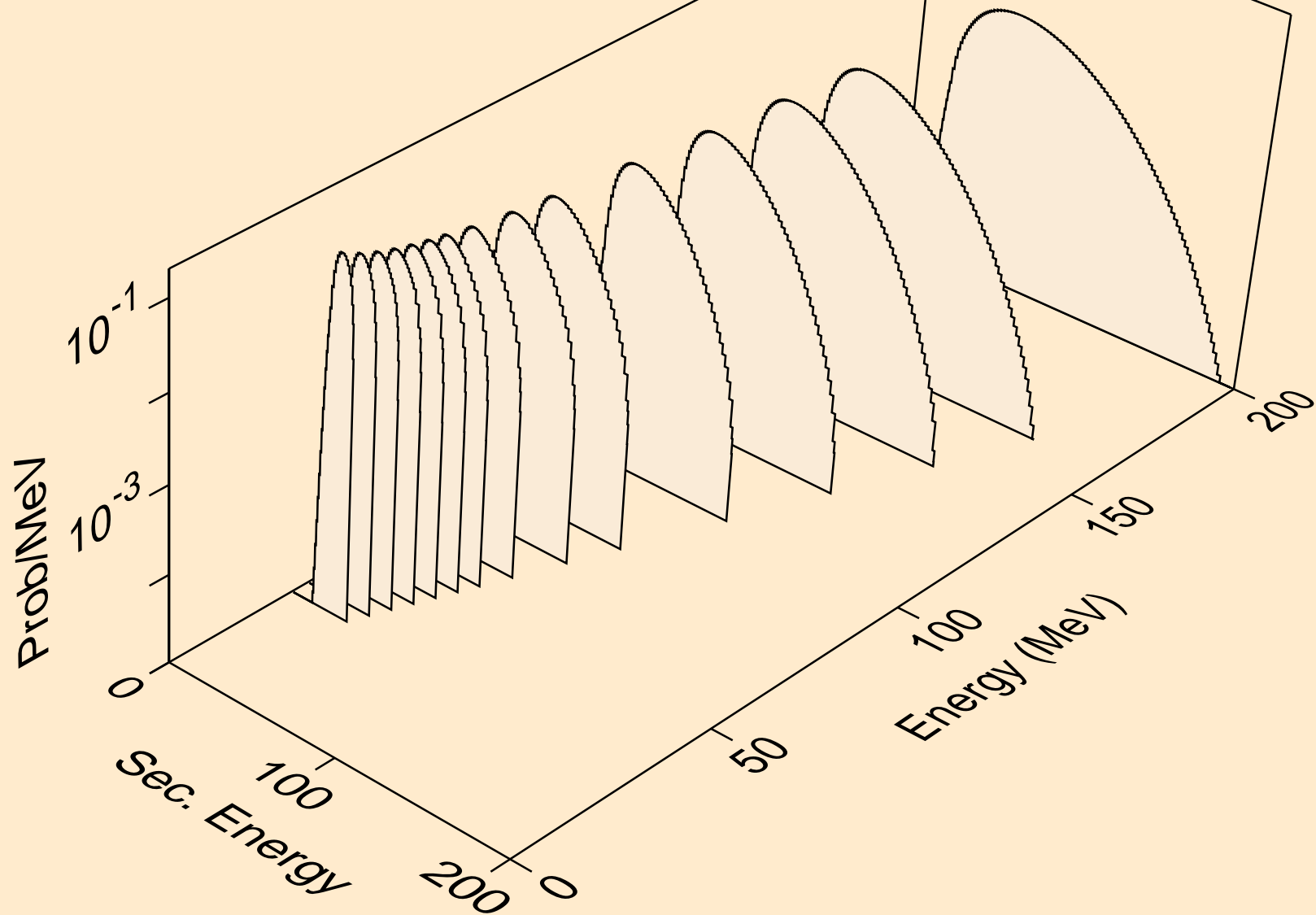




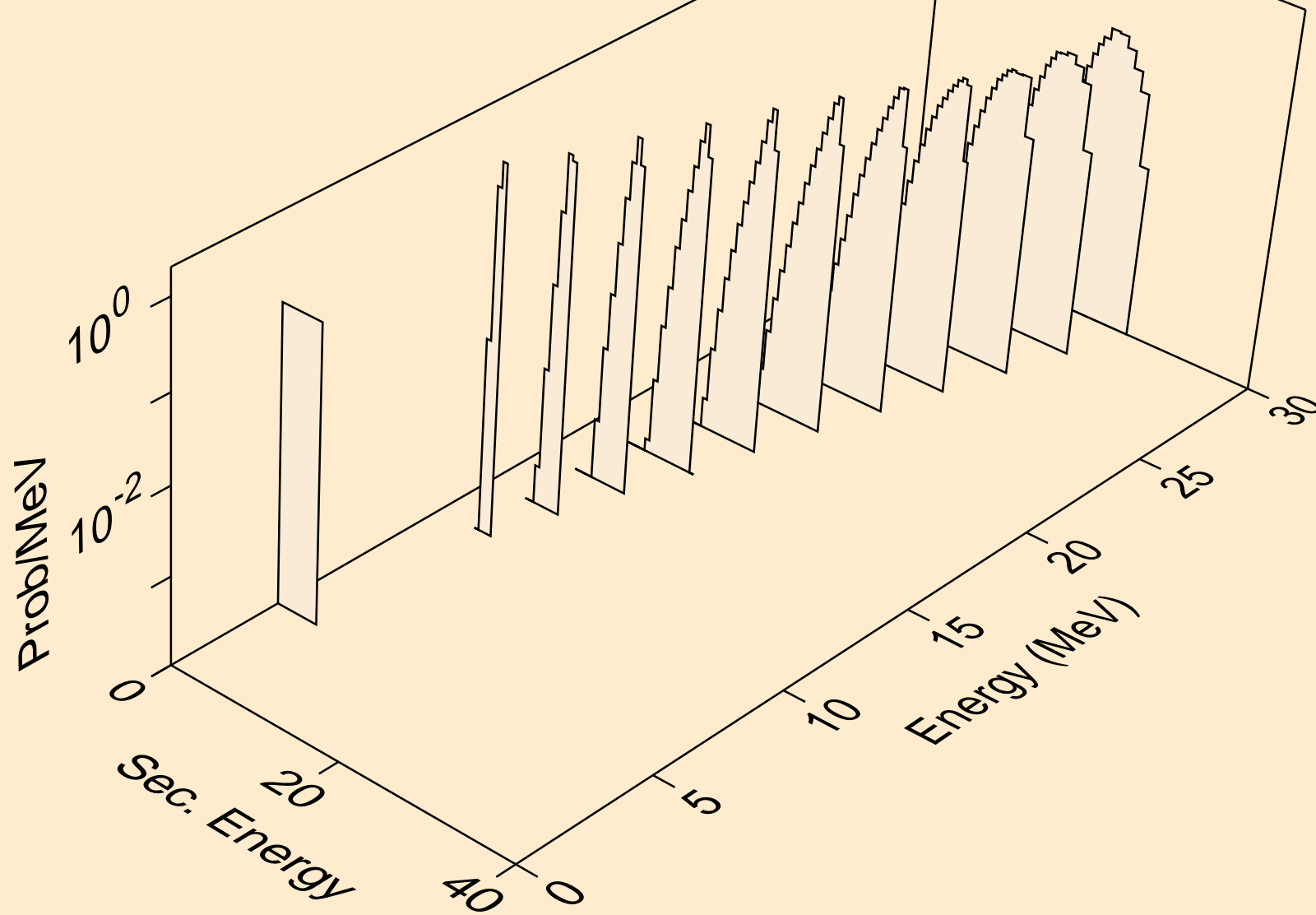
AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,pt)



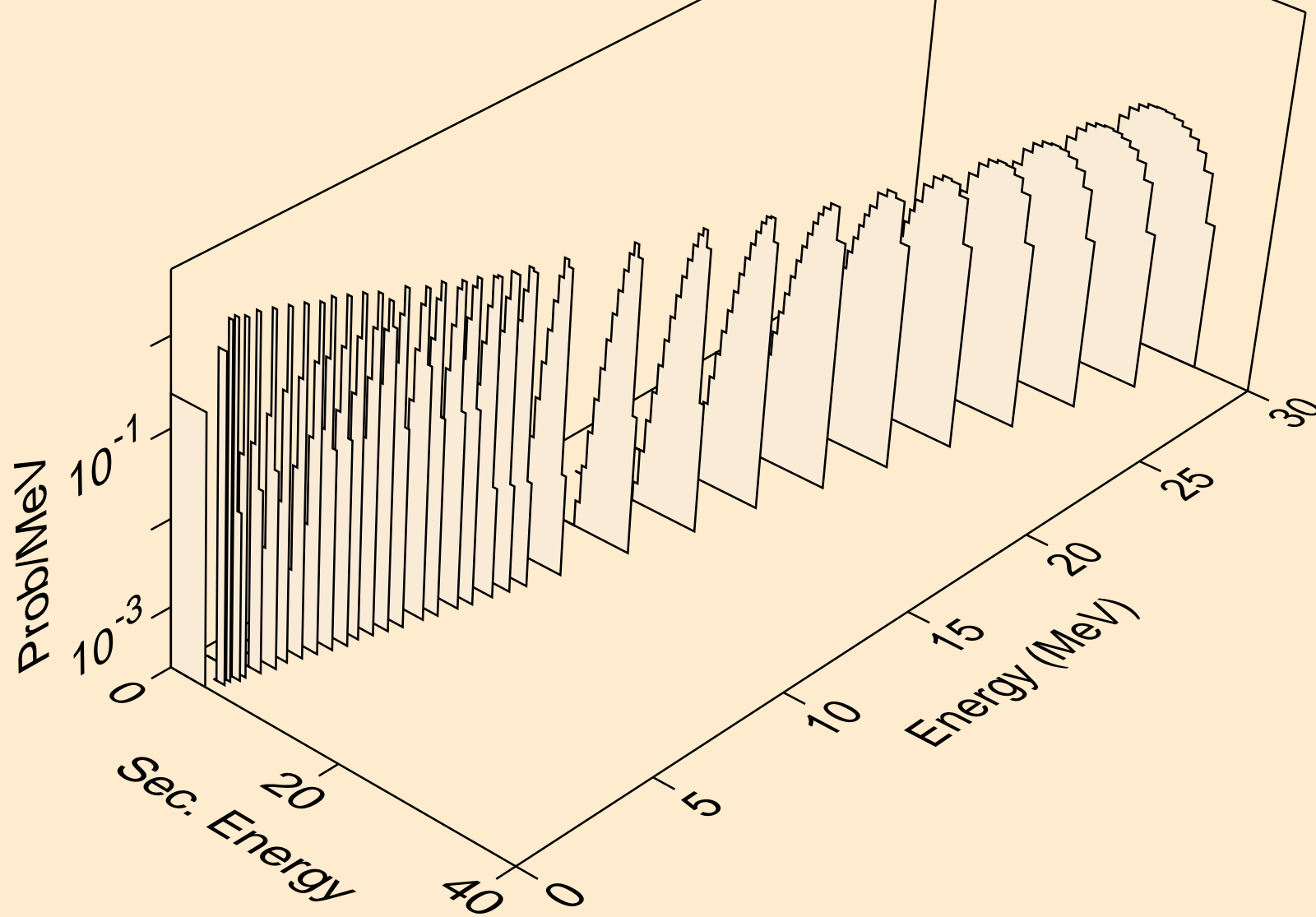
AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,x)



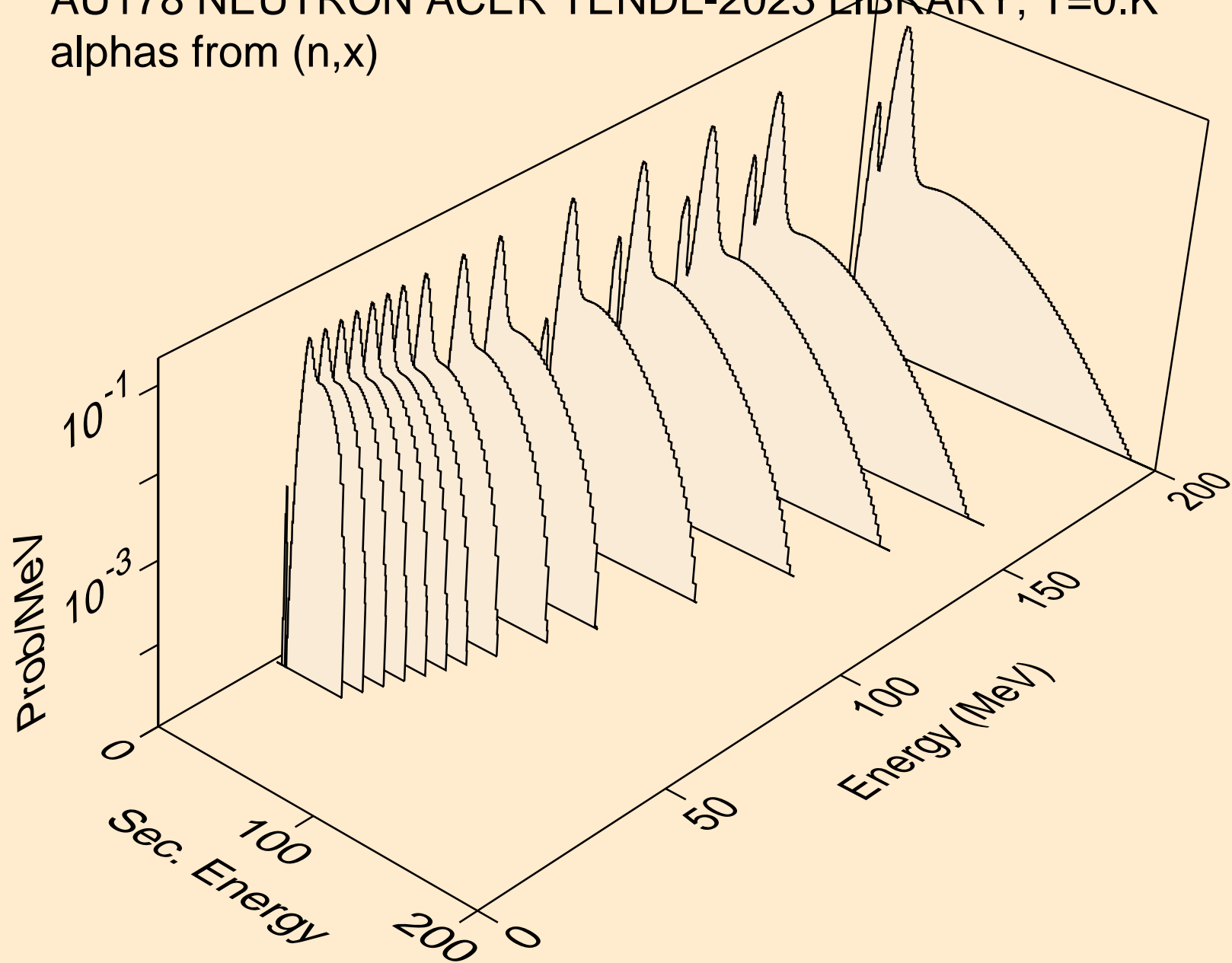
AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,n\*)he3



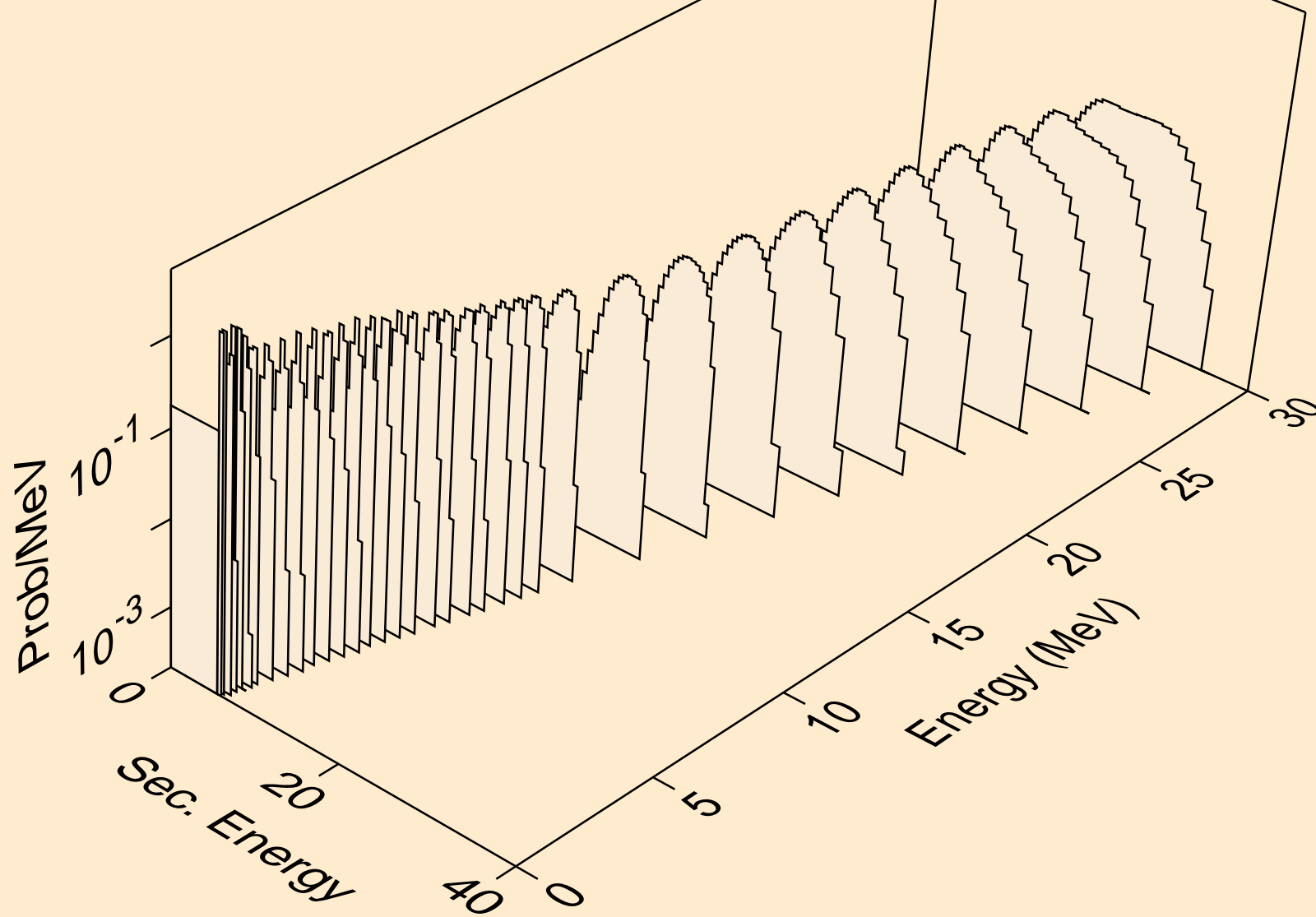
AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,he3)



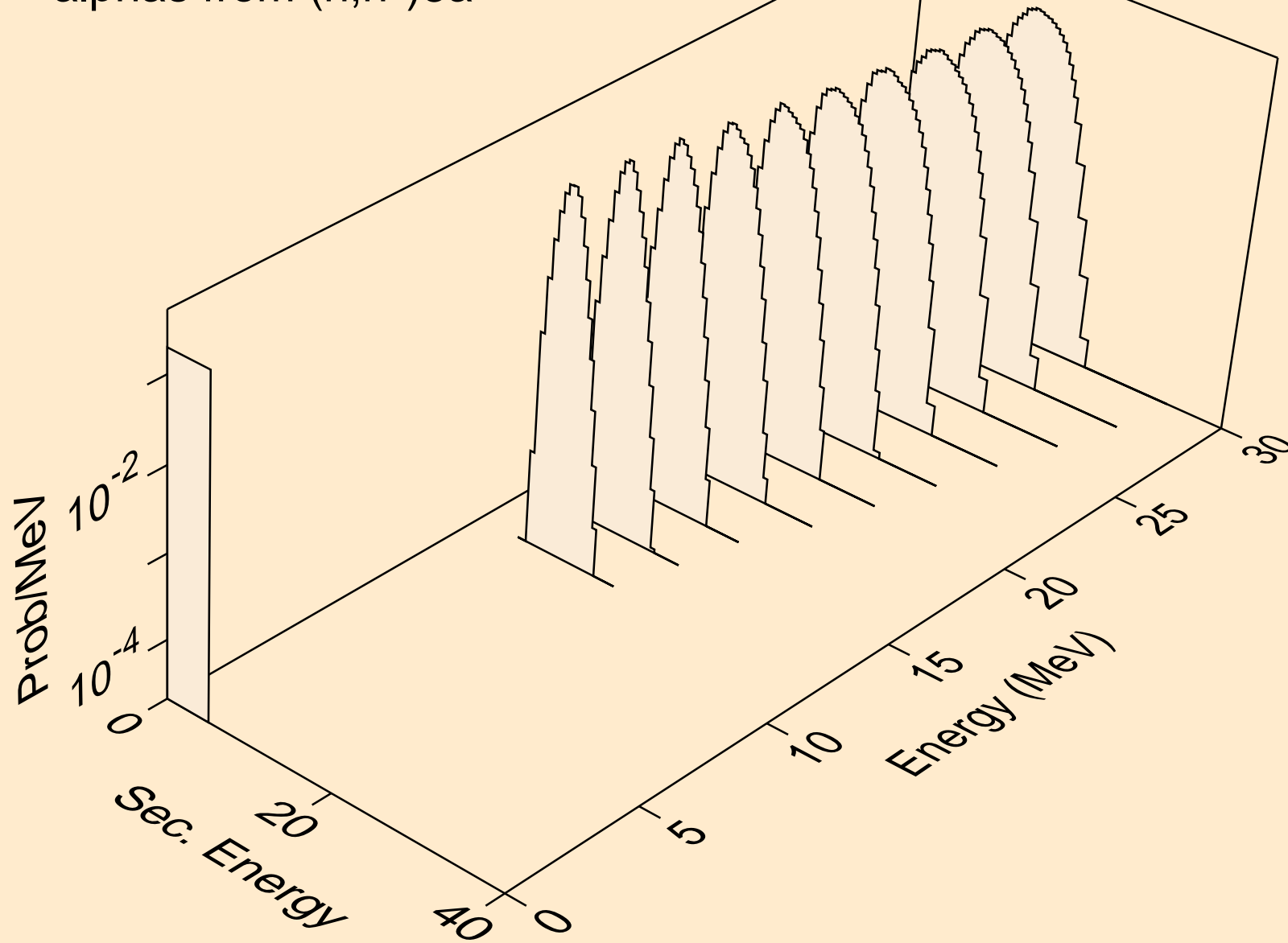
AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,x)



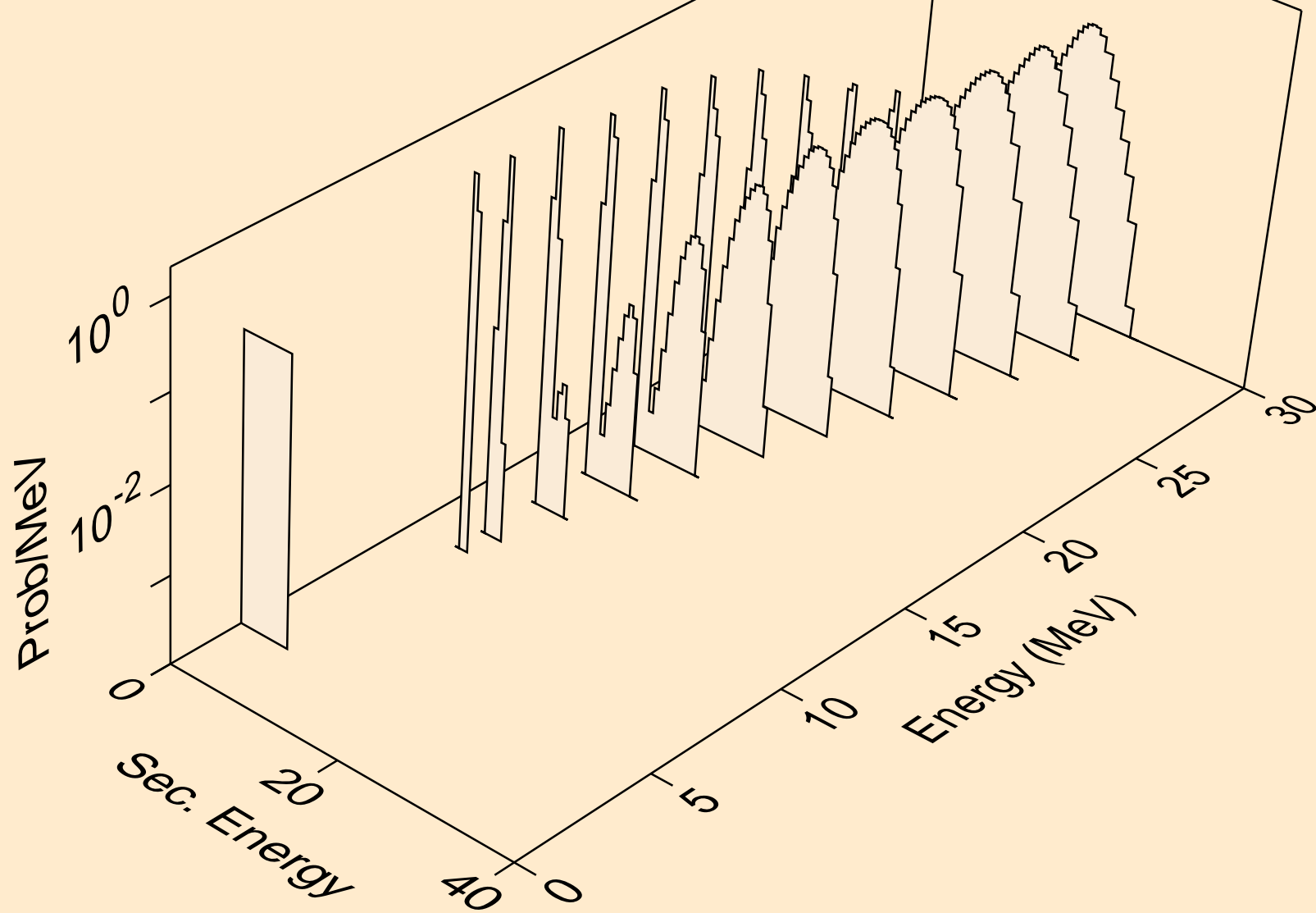
AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)a



AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)3a

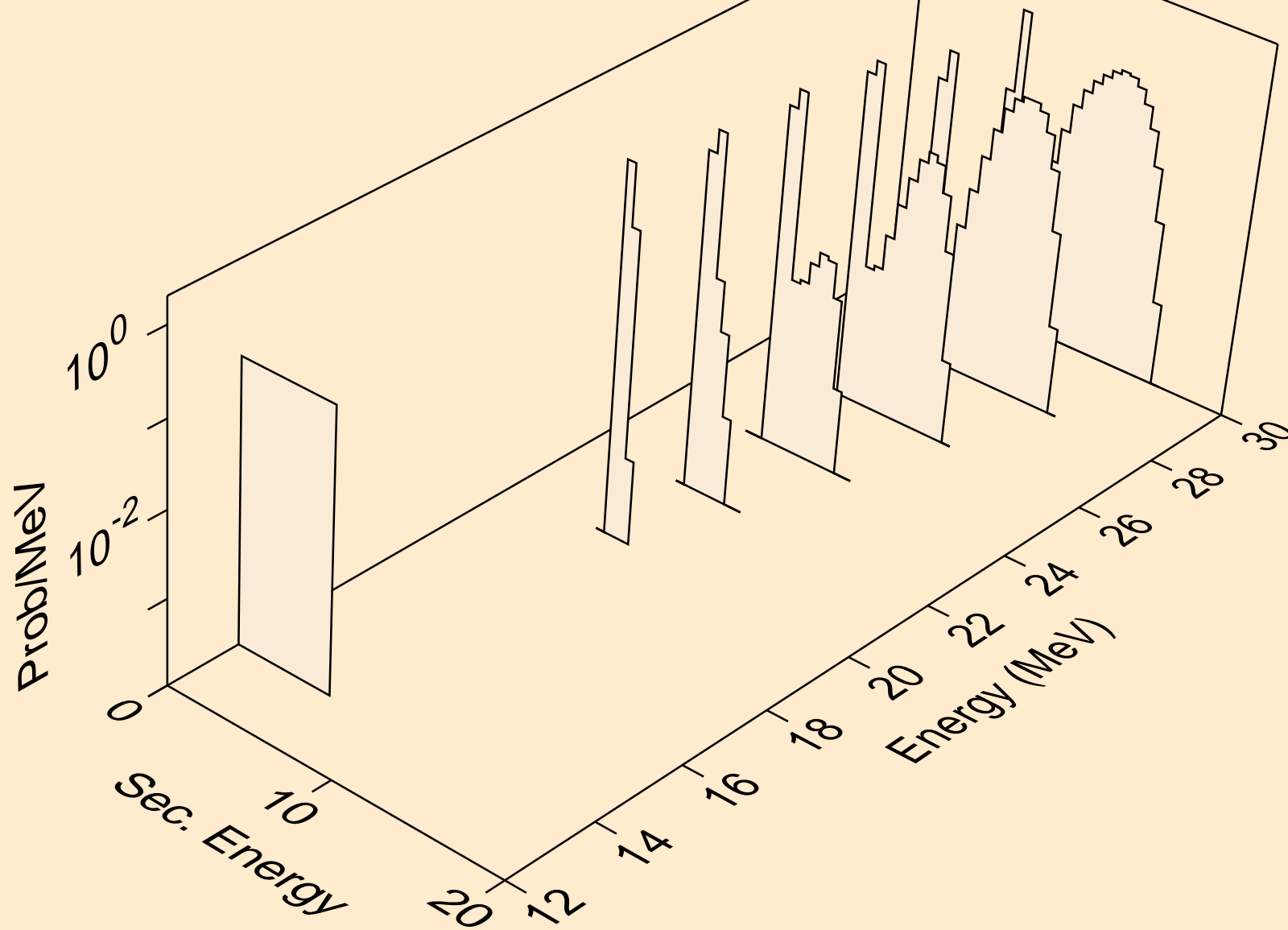


AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2n)a

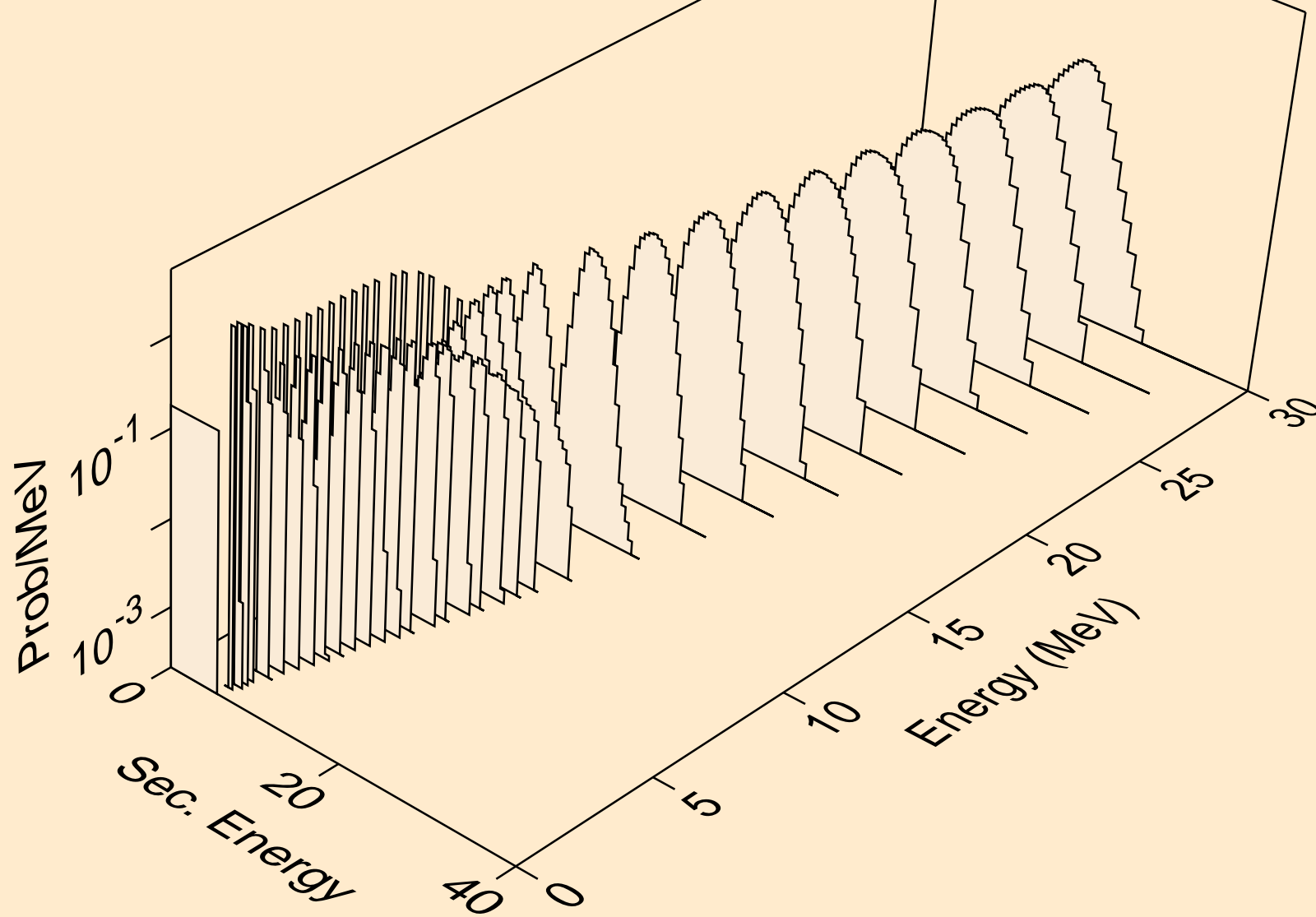




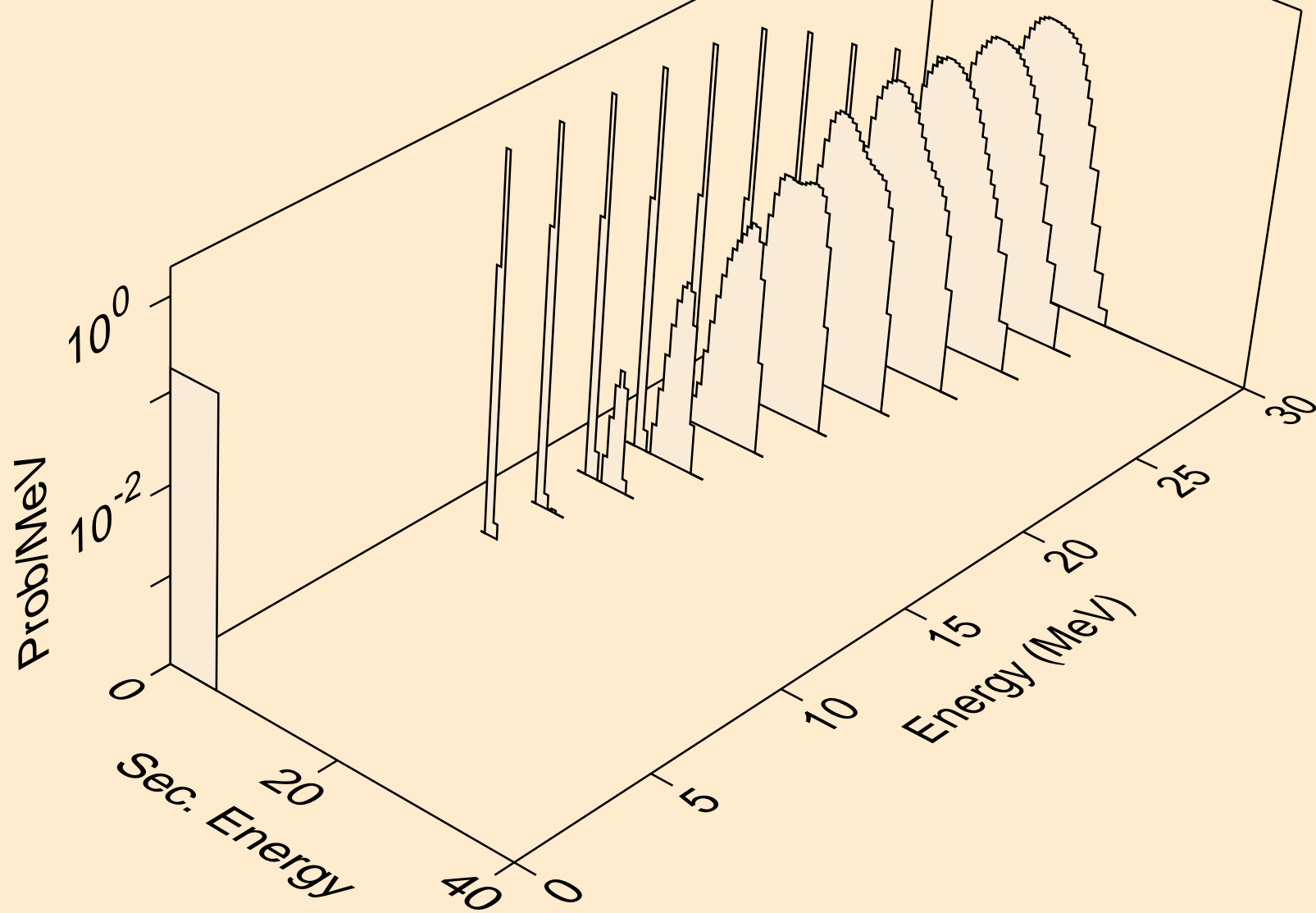
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alphas from (n,3n)a



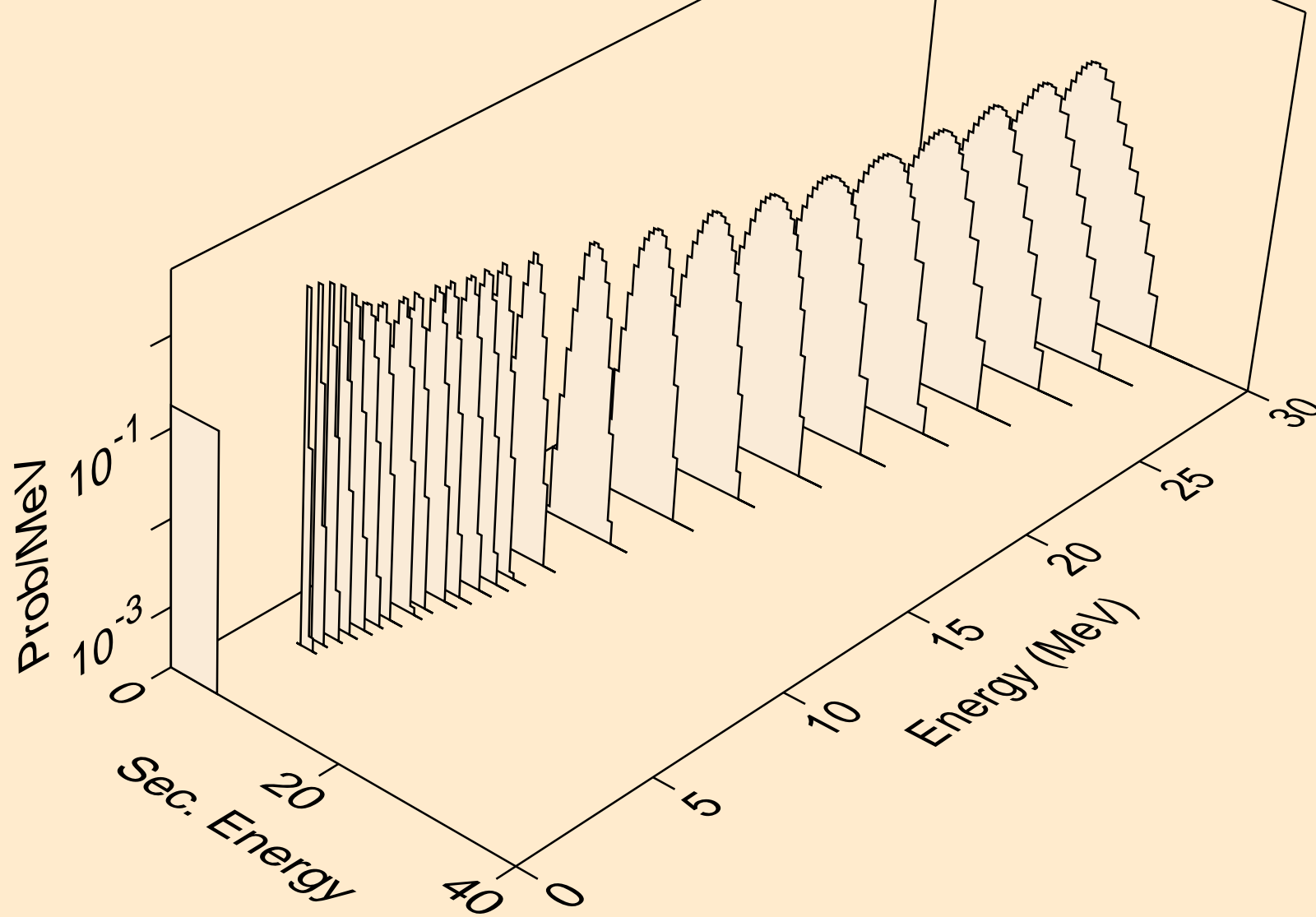
AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)2a



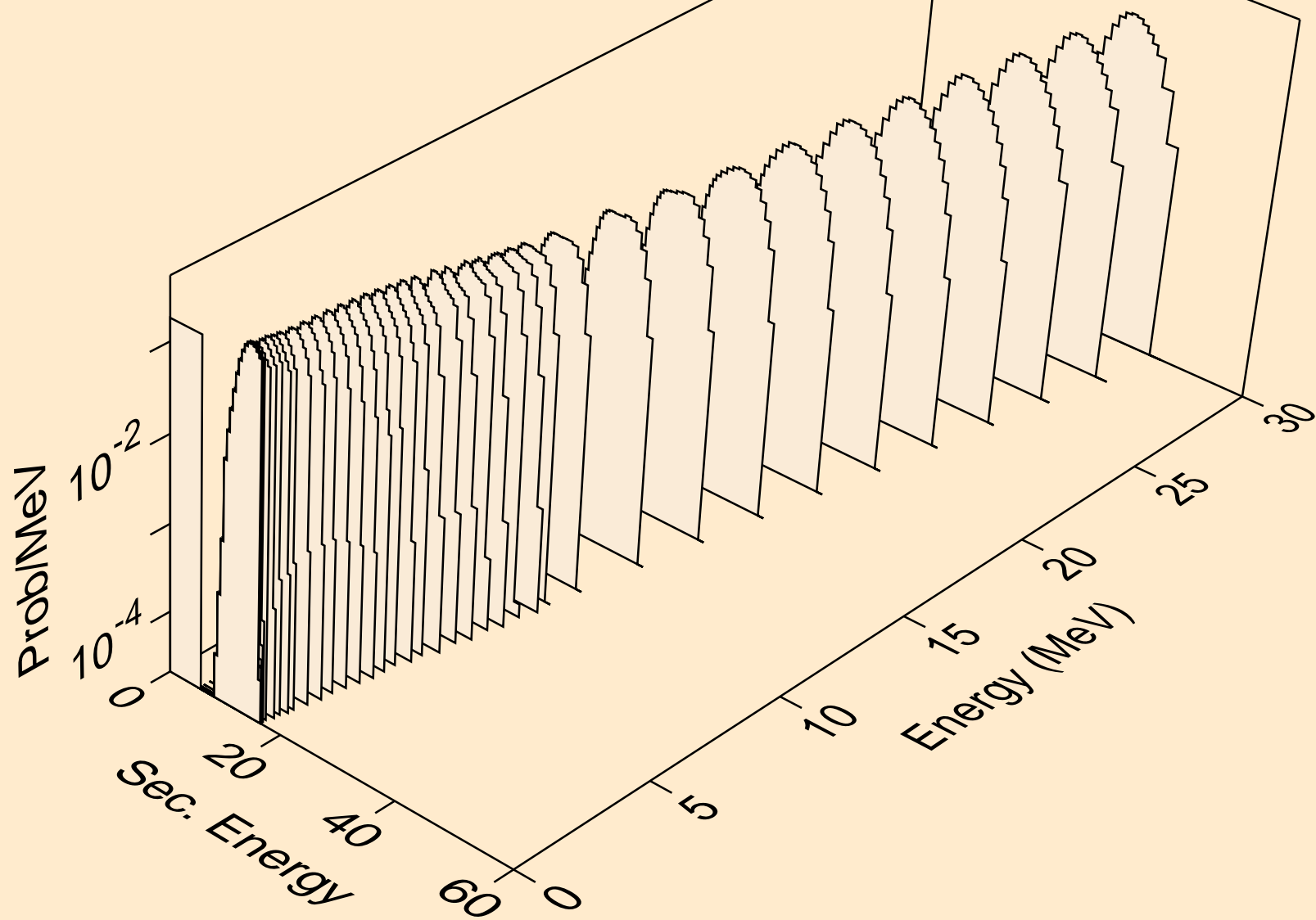
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alphas from (n,2n)2a



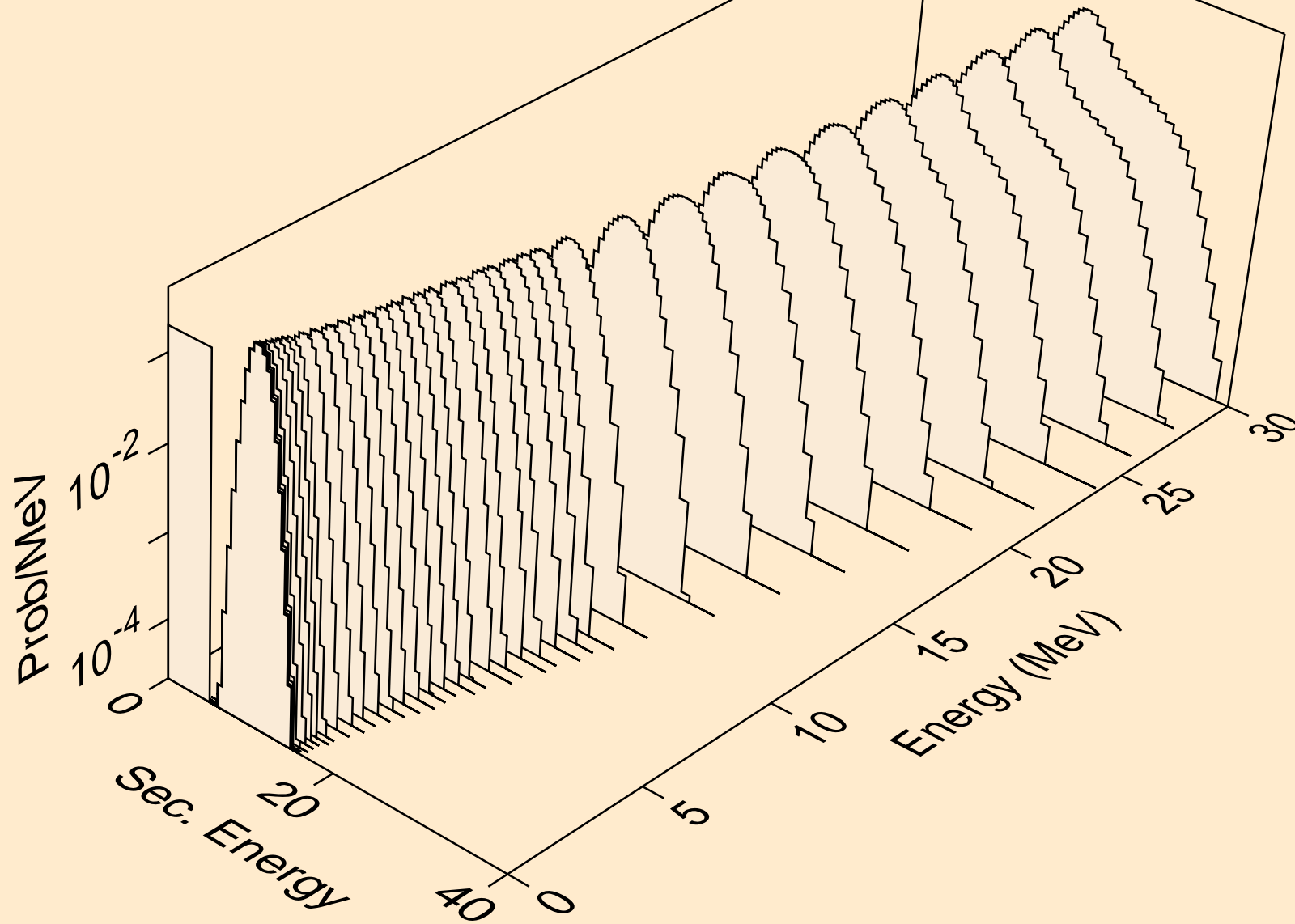
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alphas from (n,npa)



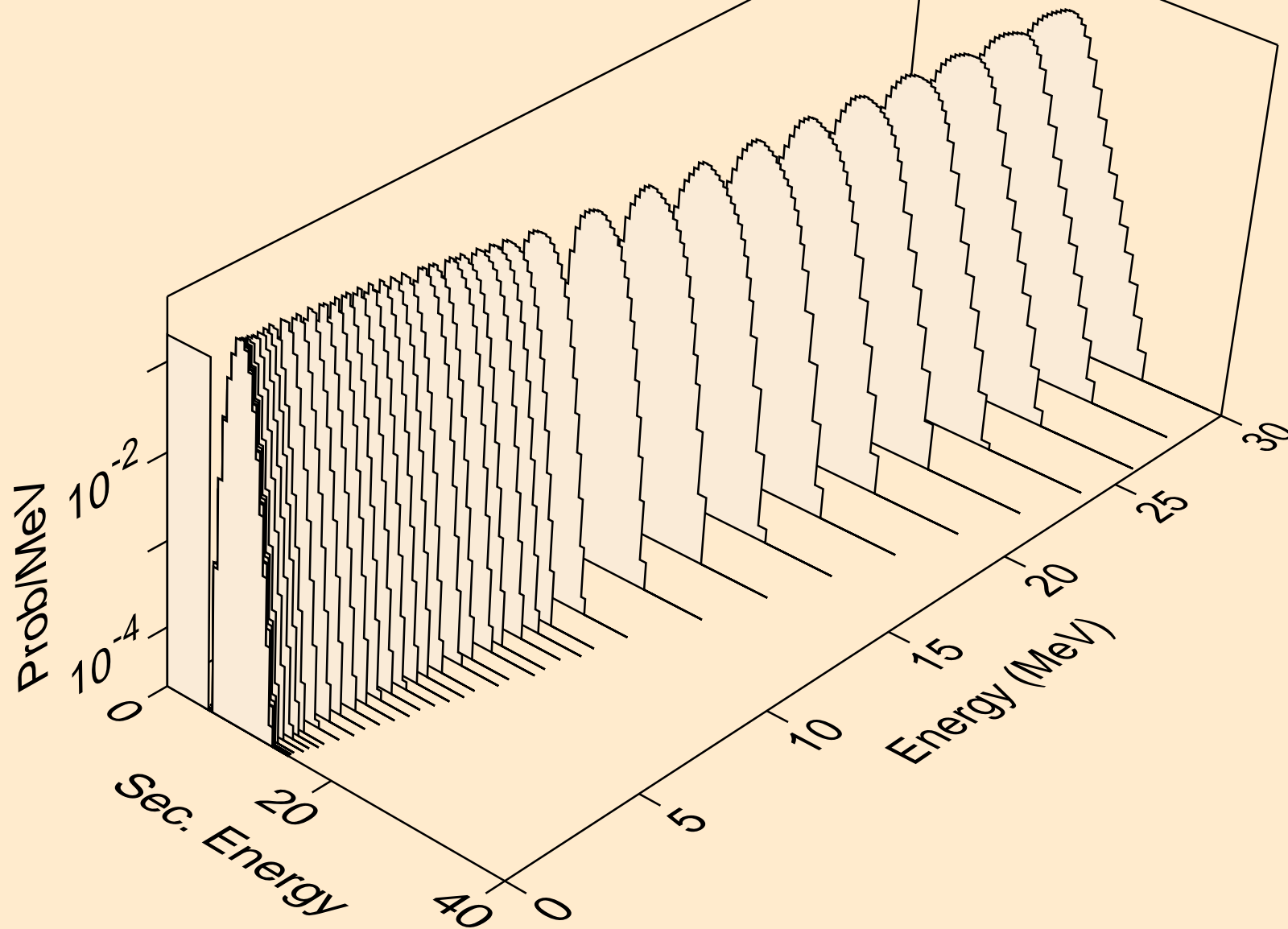
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alphas from (n,a)



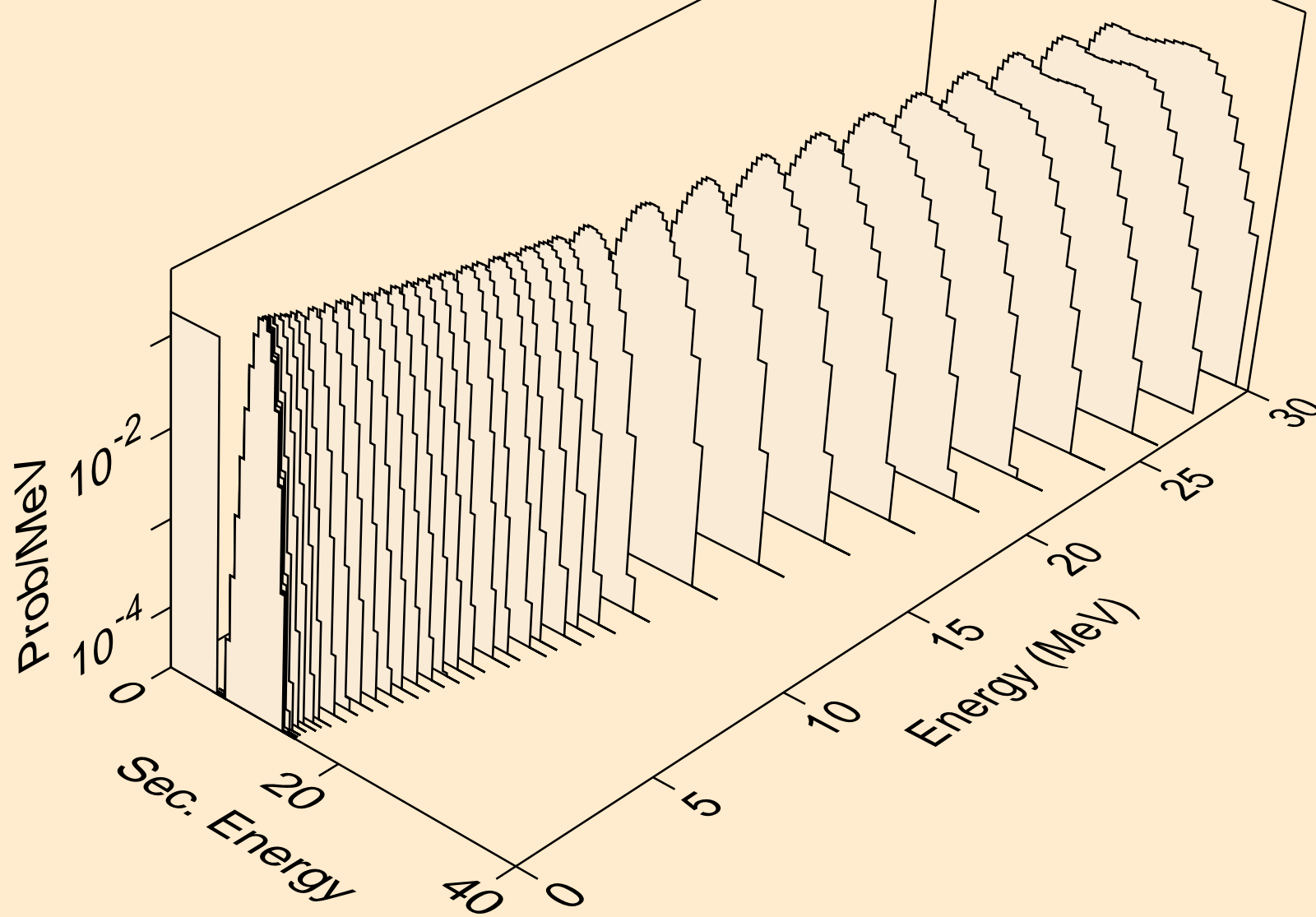
AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2a)



AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,3a)

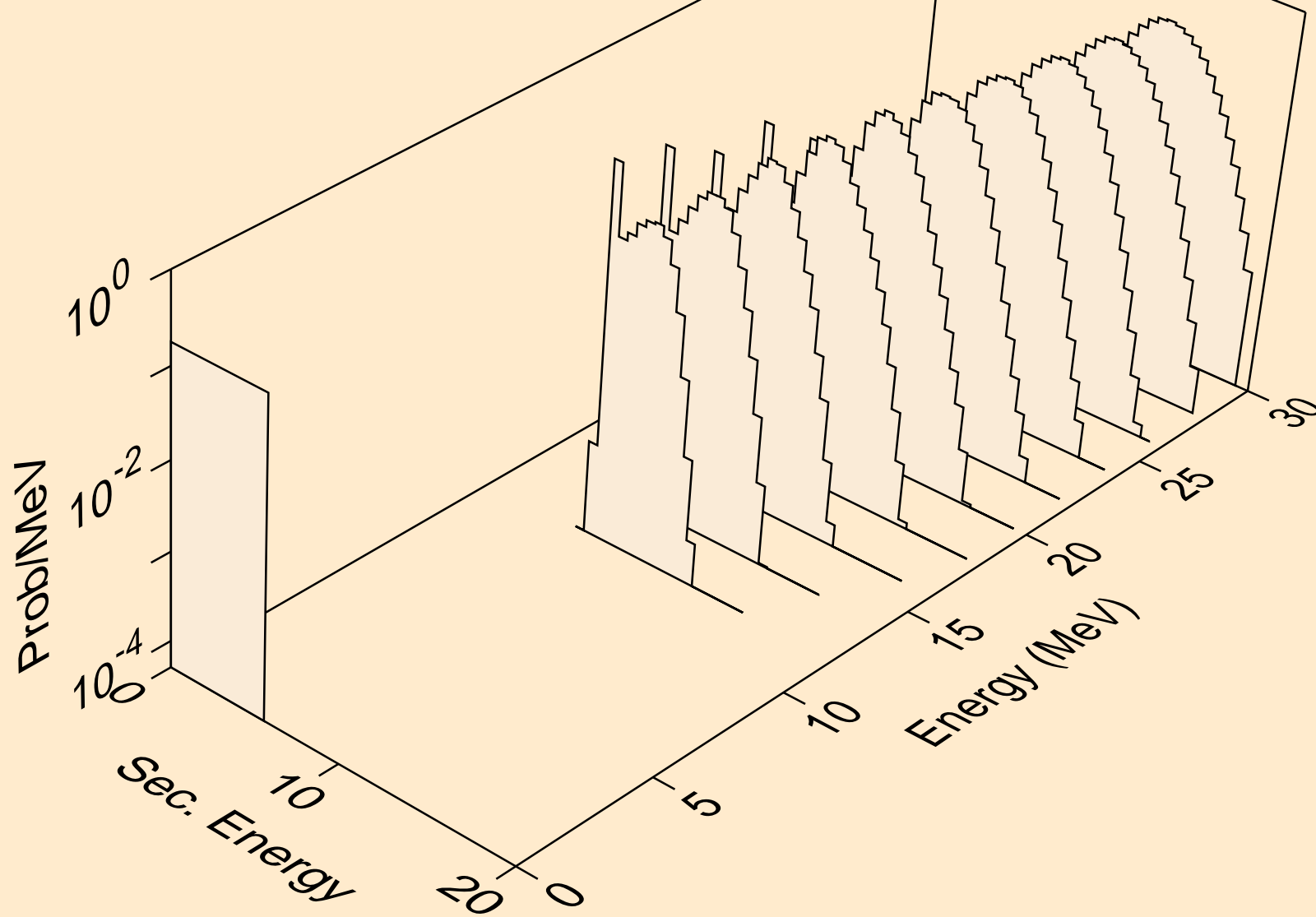


AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,pa)

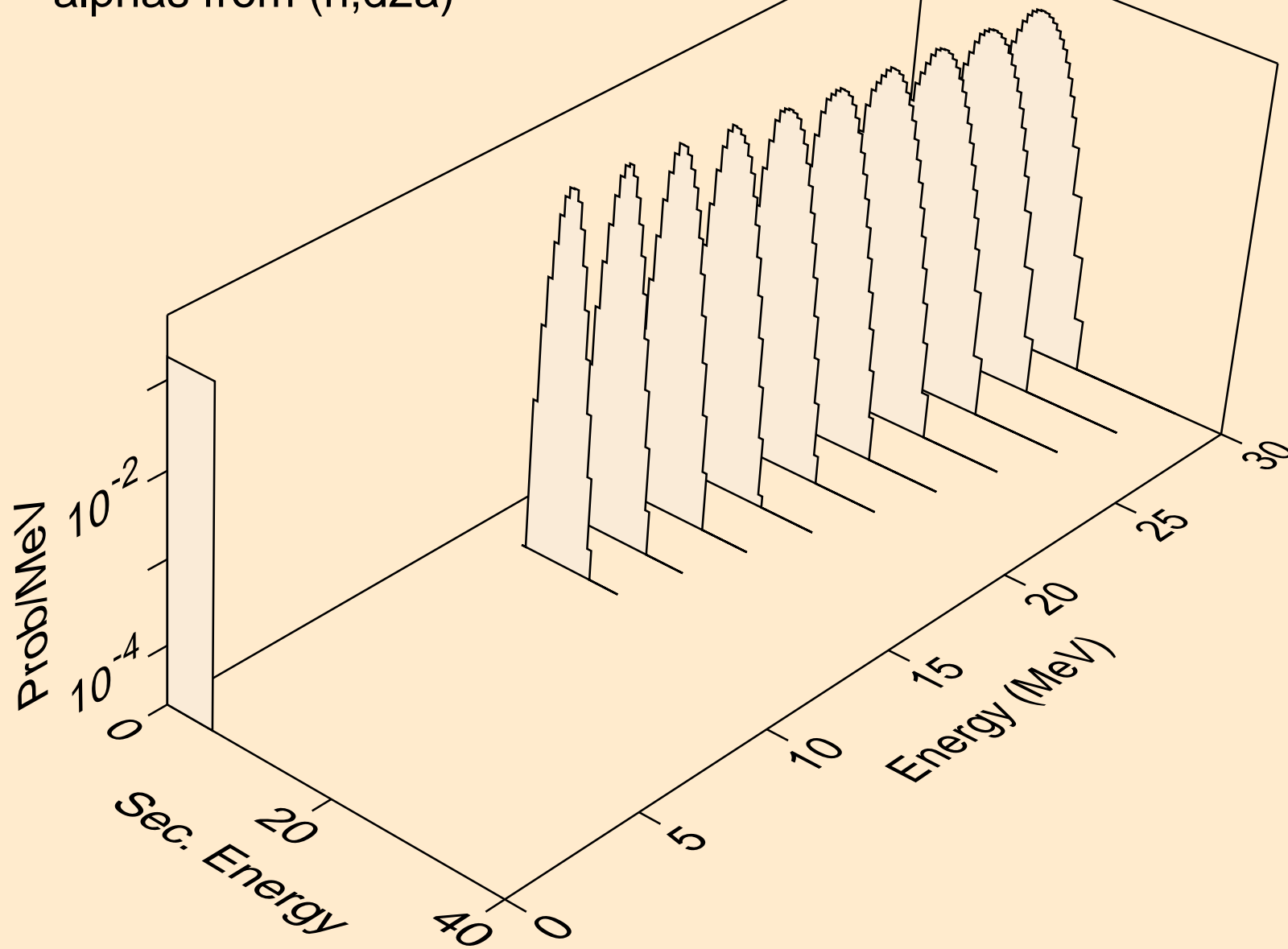




AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,t2a)



AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,d2a)



AU178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,da)

