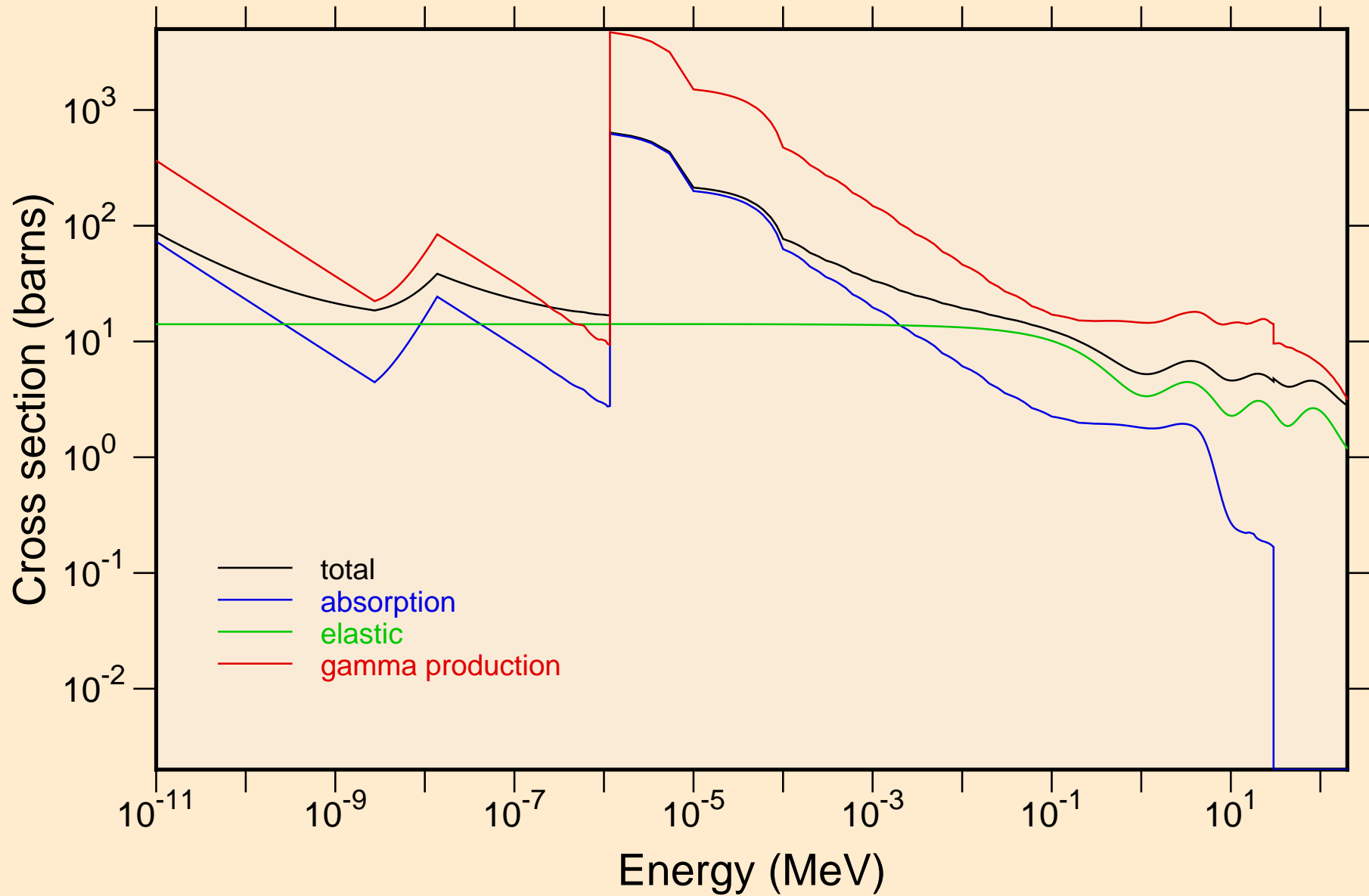
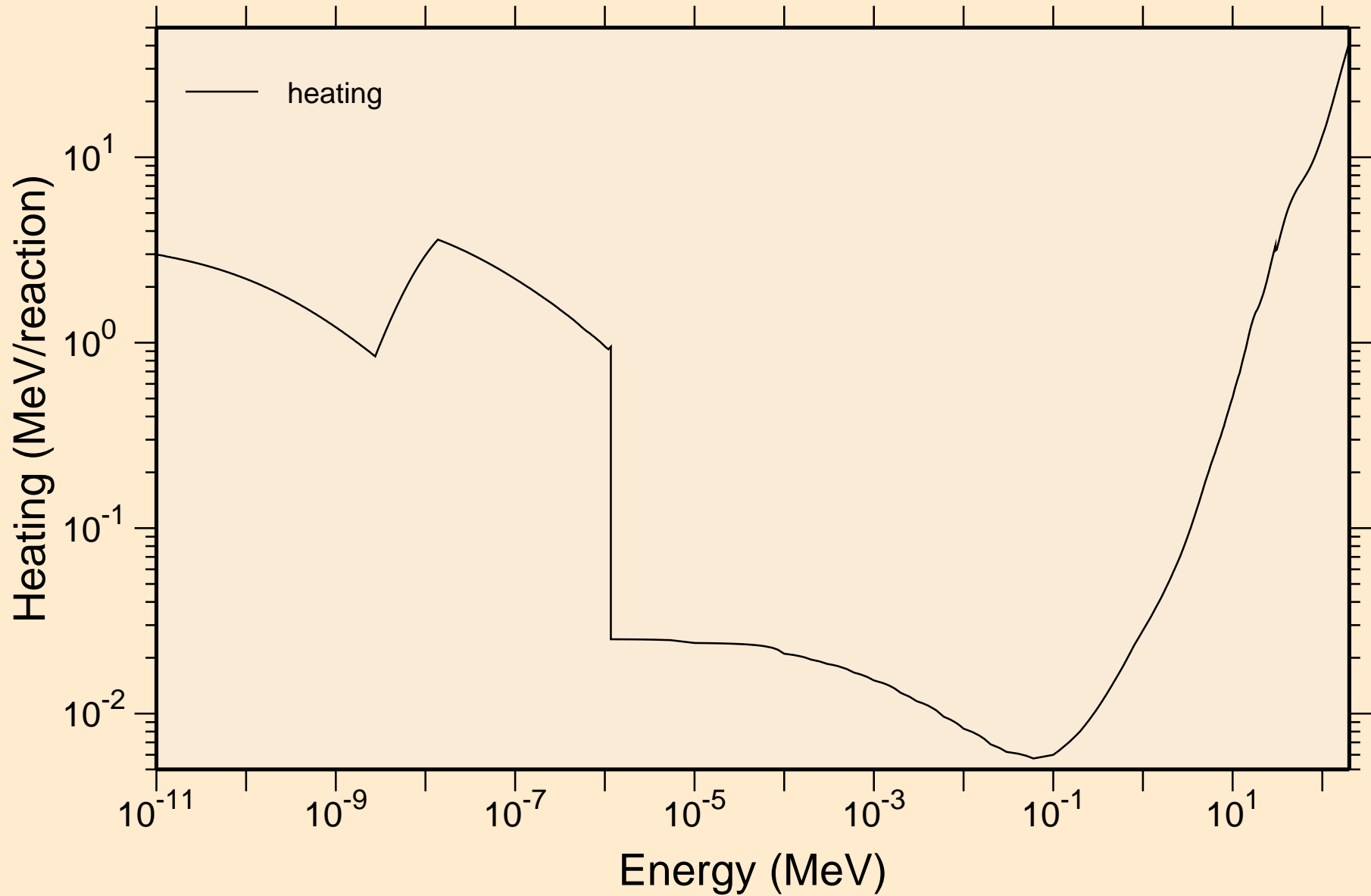


# HG185M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections

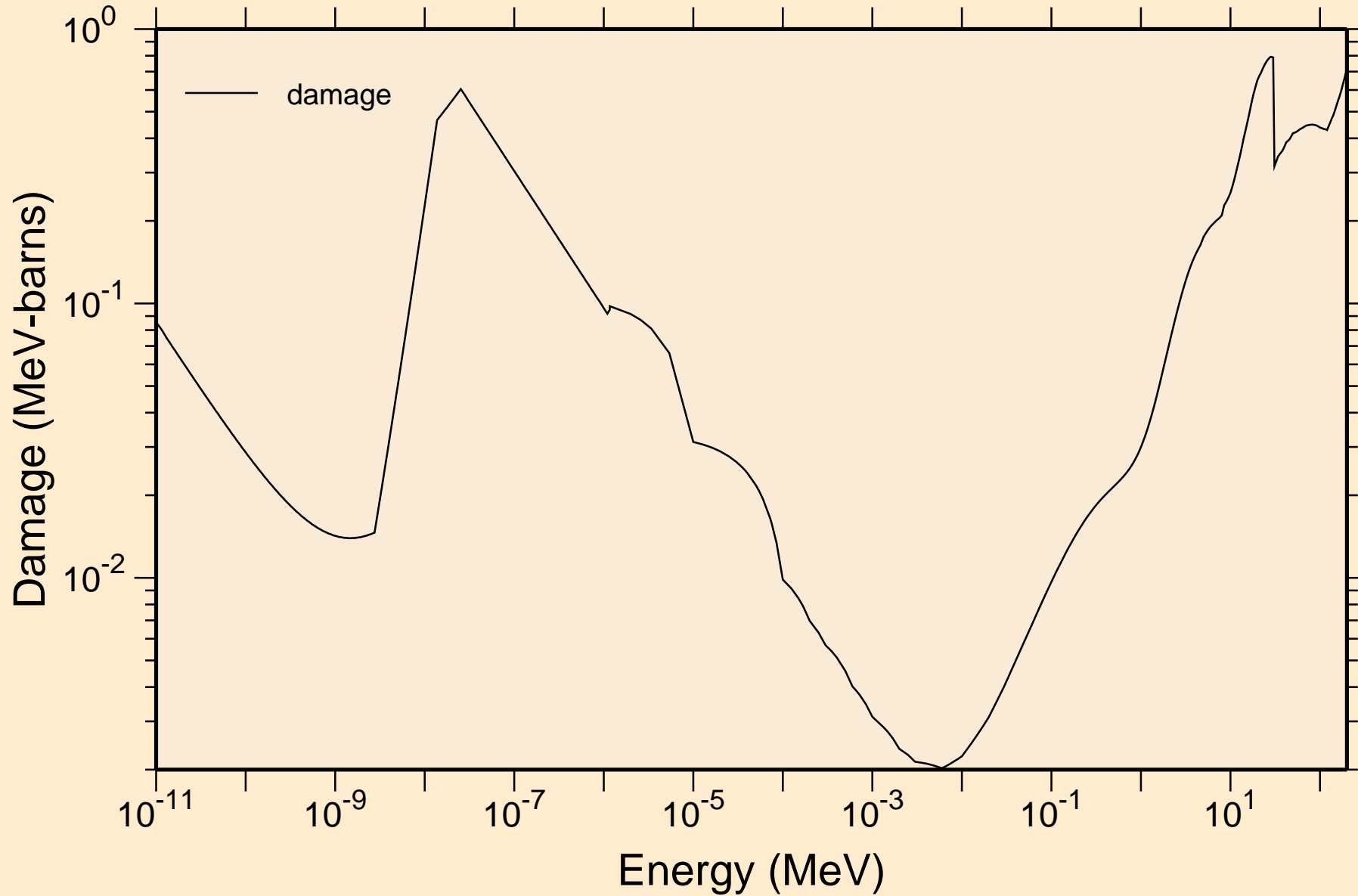


HG185M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Heating



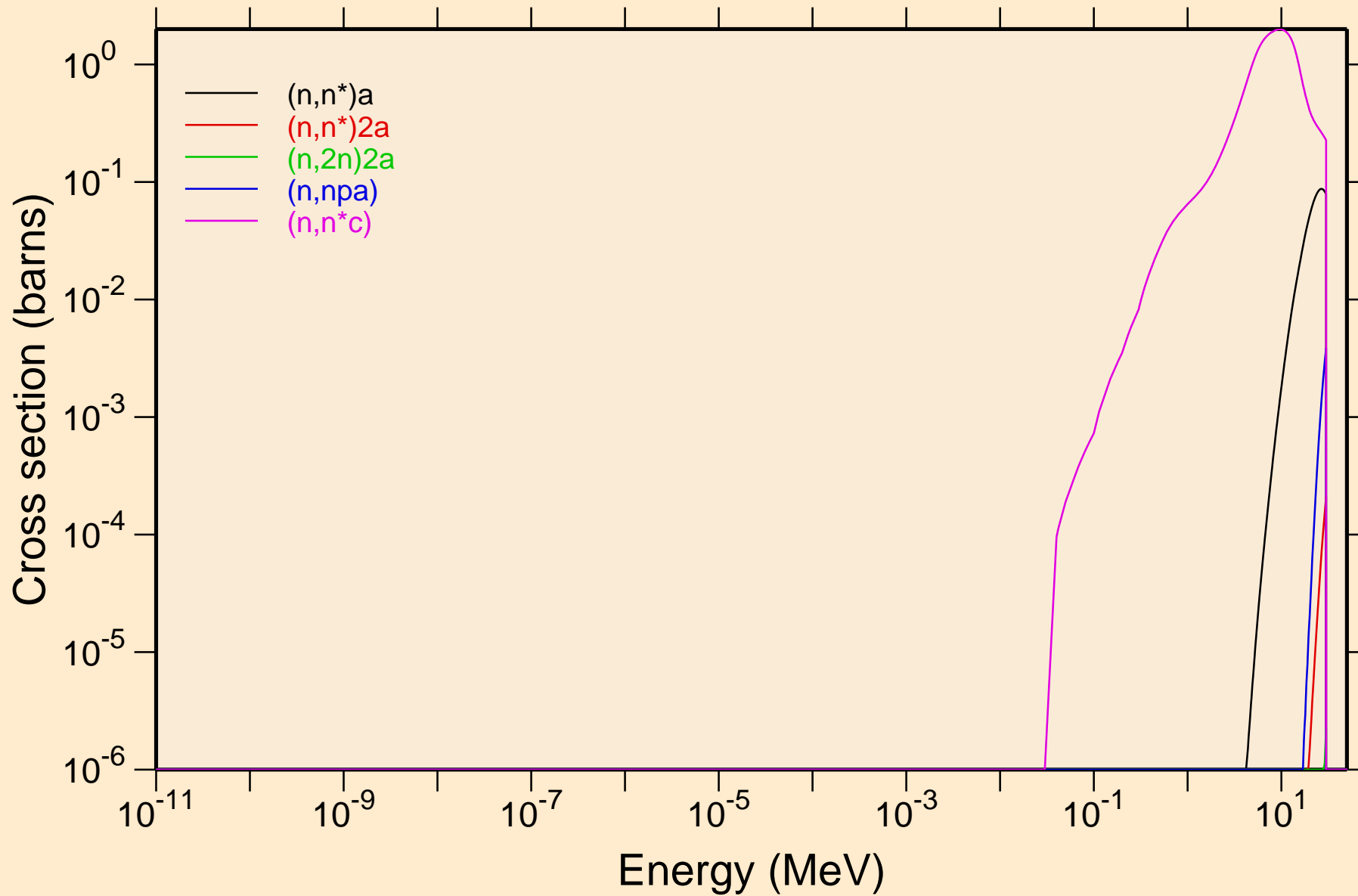
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## Damage



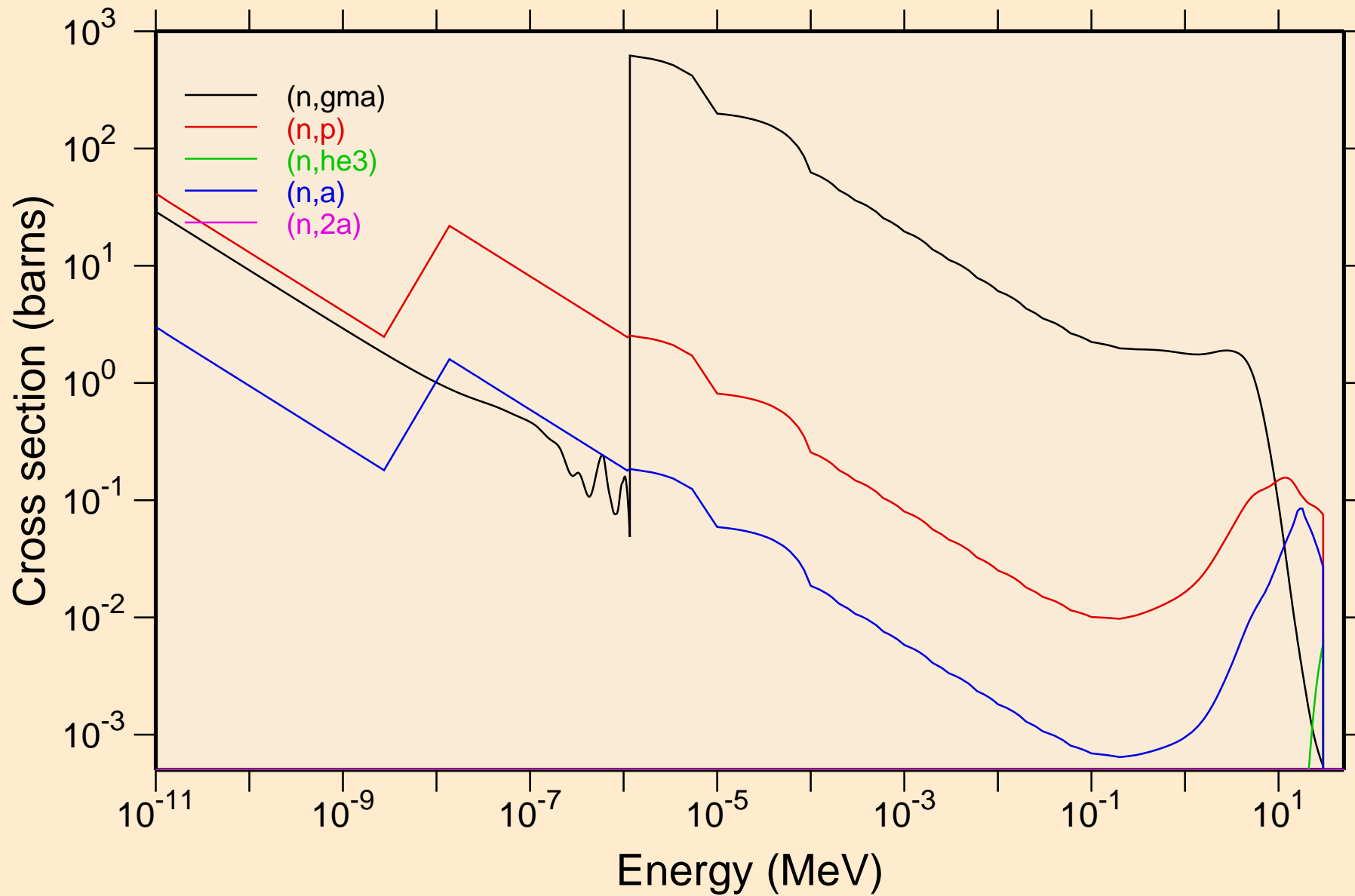
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## Non-threshold reactions



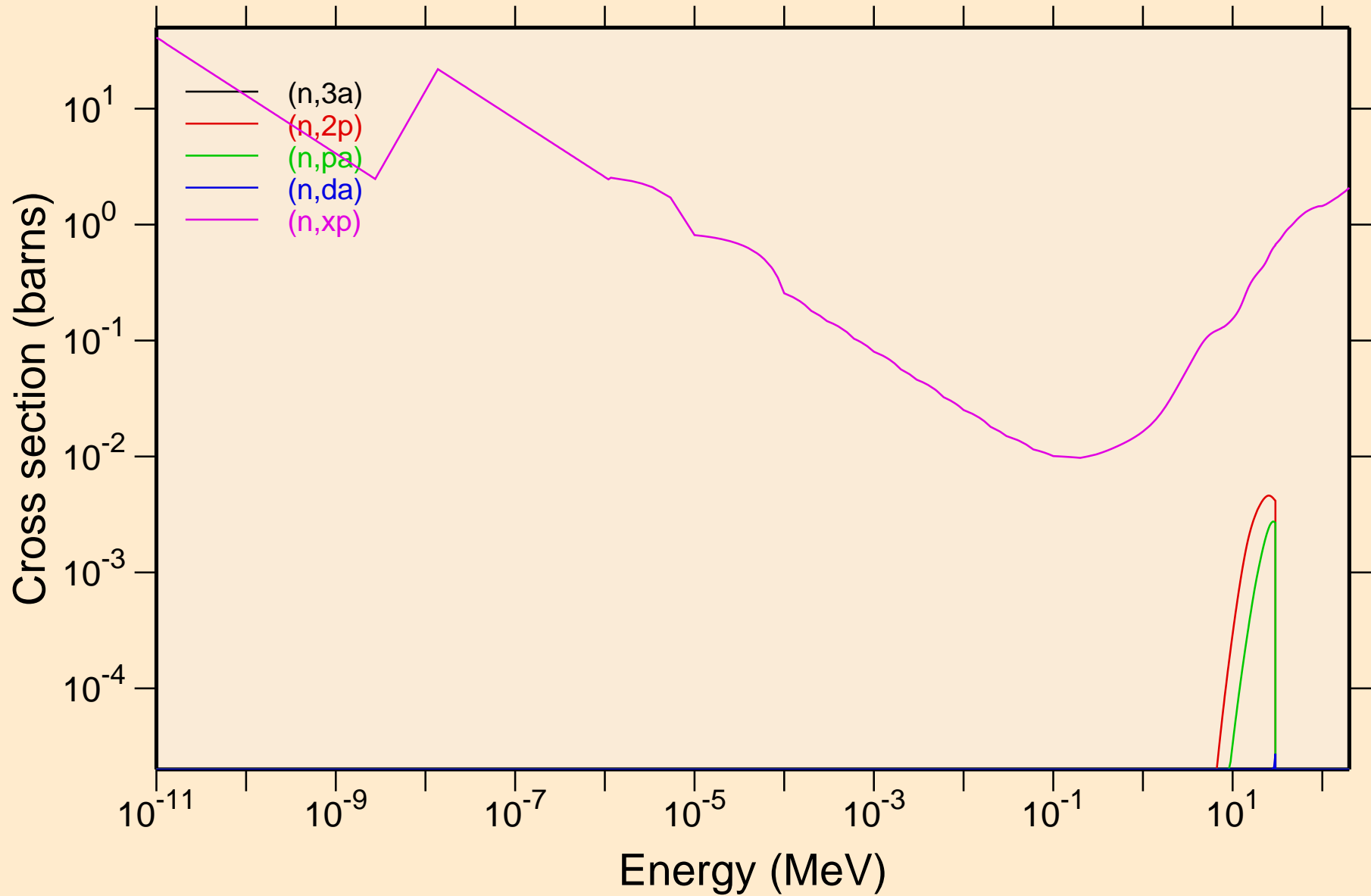
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## Non-threshold reactions

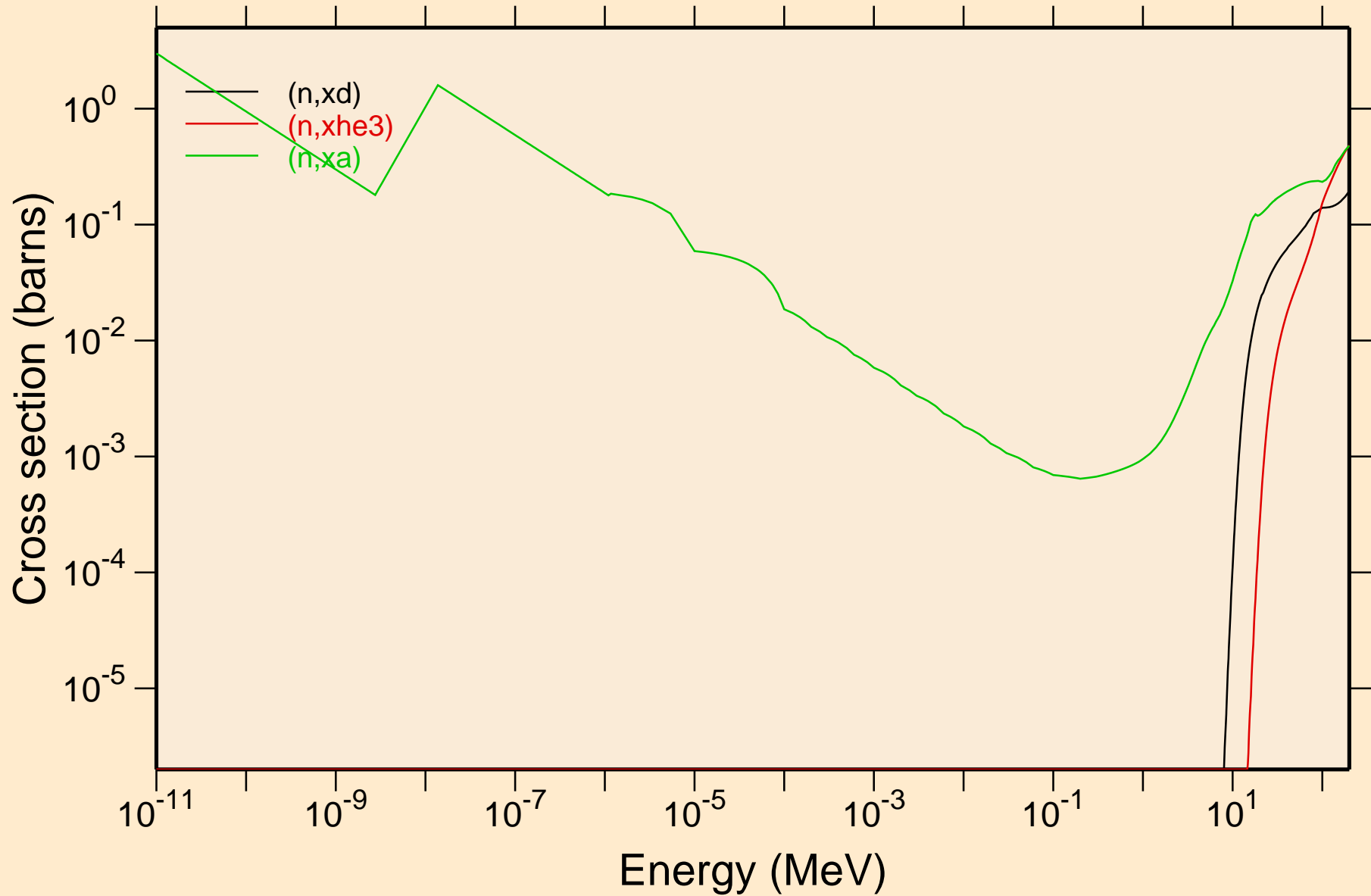


# HG185M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Non-threshold reactions

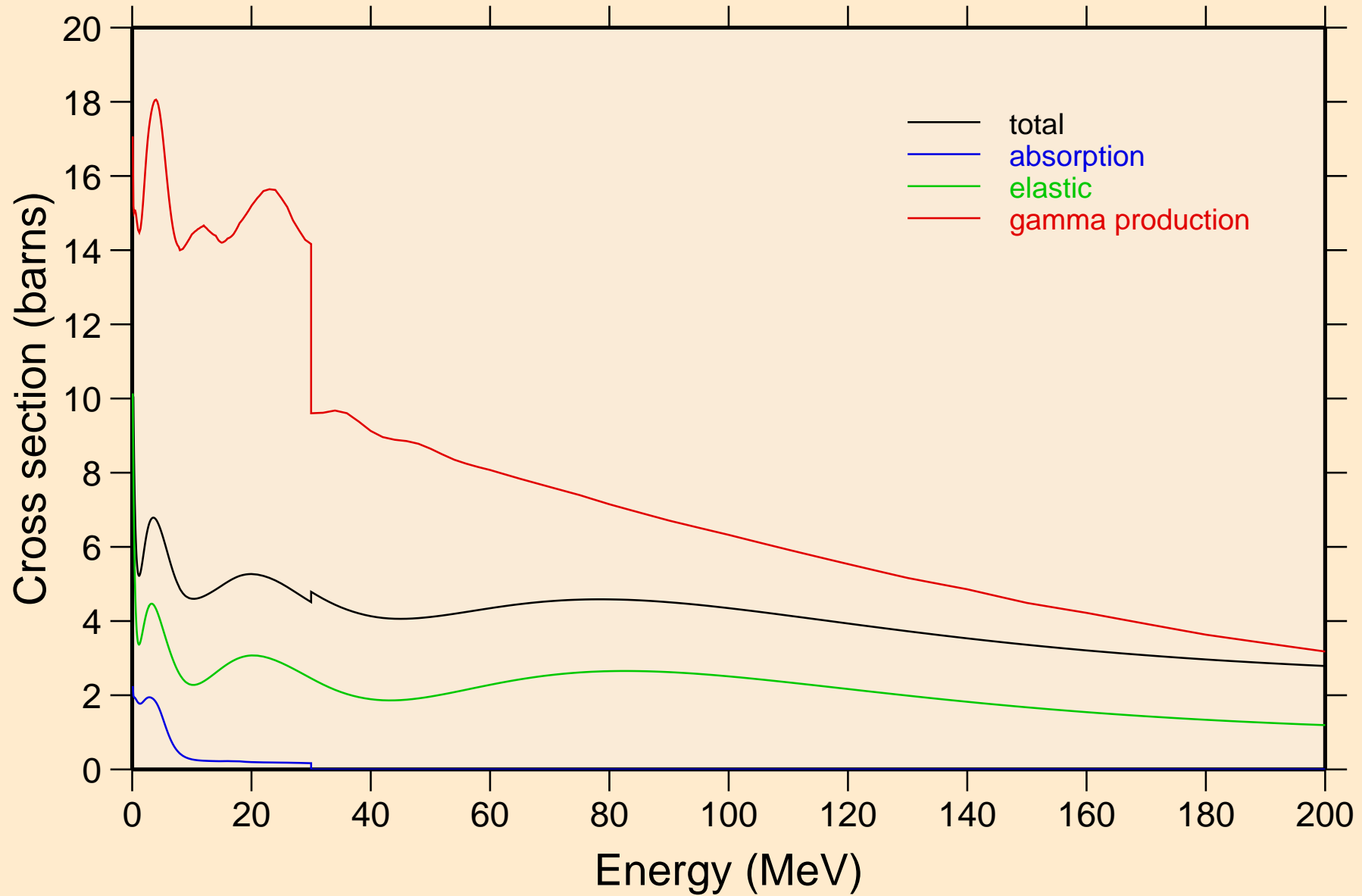


HG185M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



# HG185M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

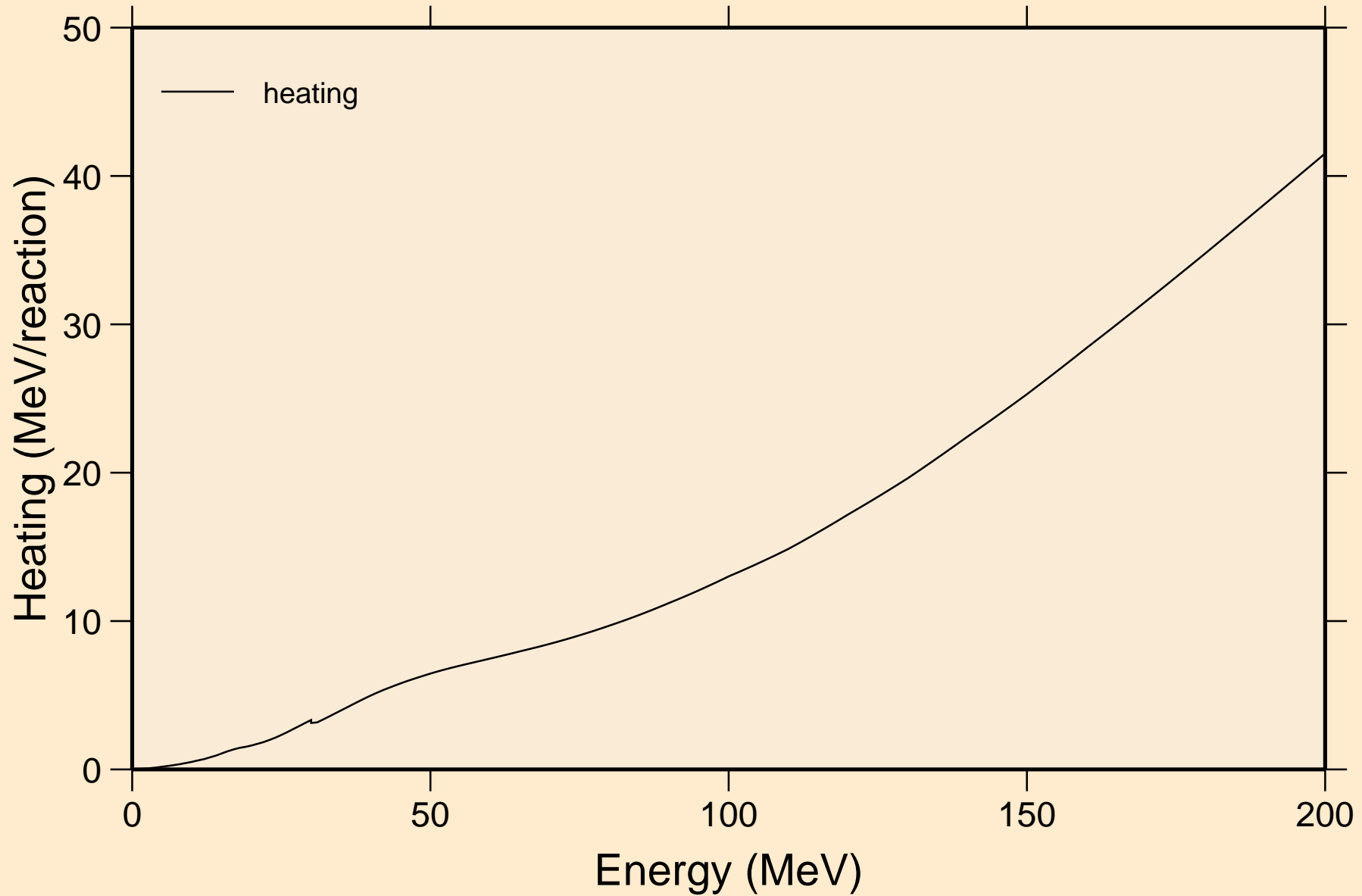
## Principal cross sections





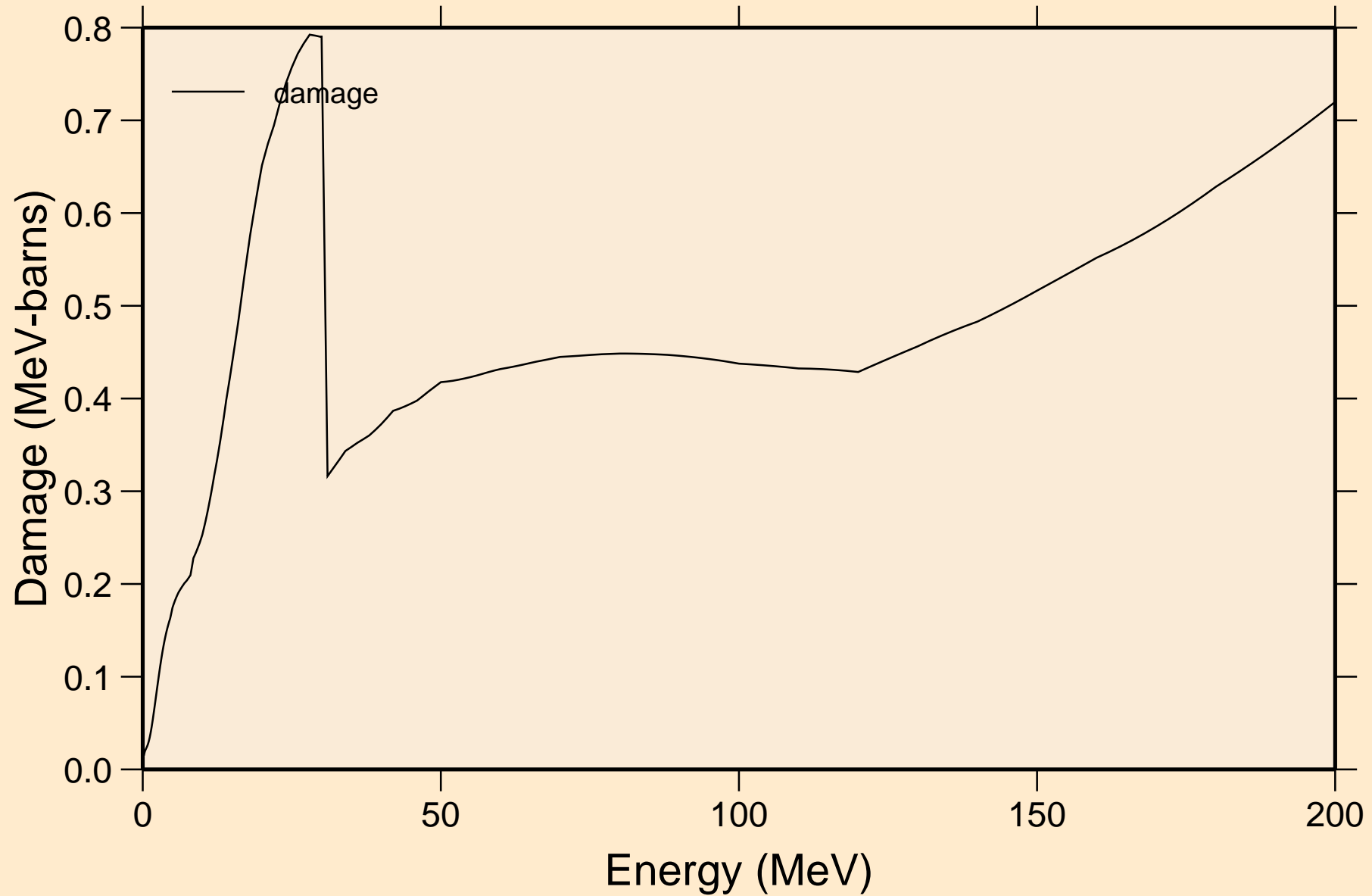
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## Heating



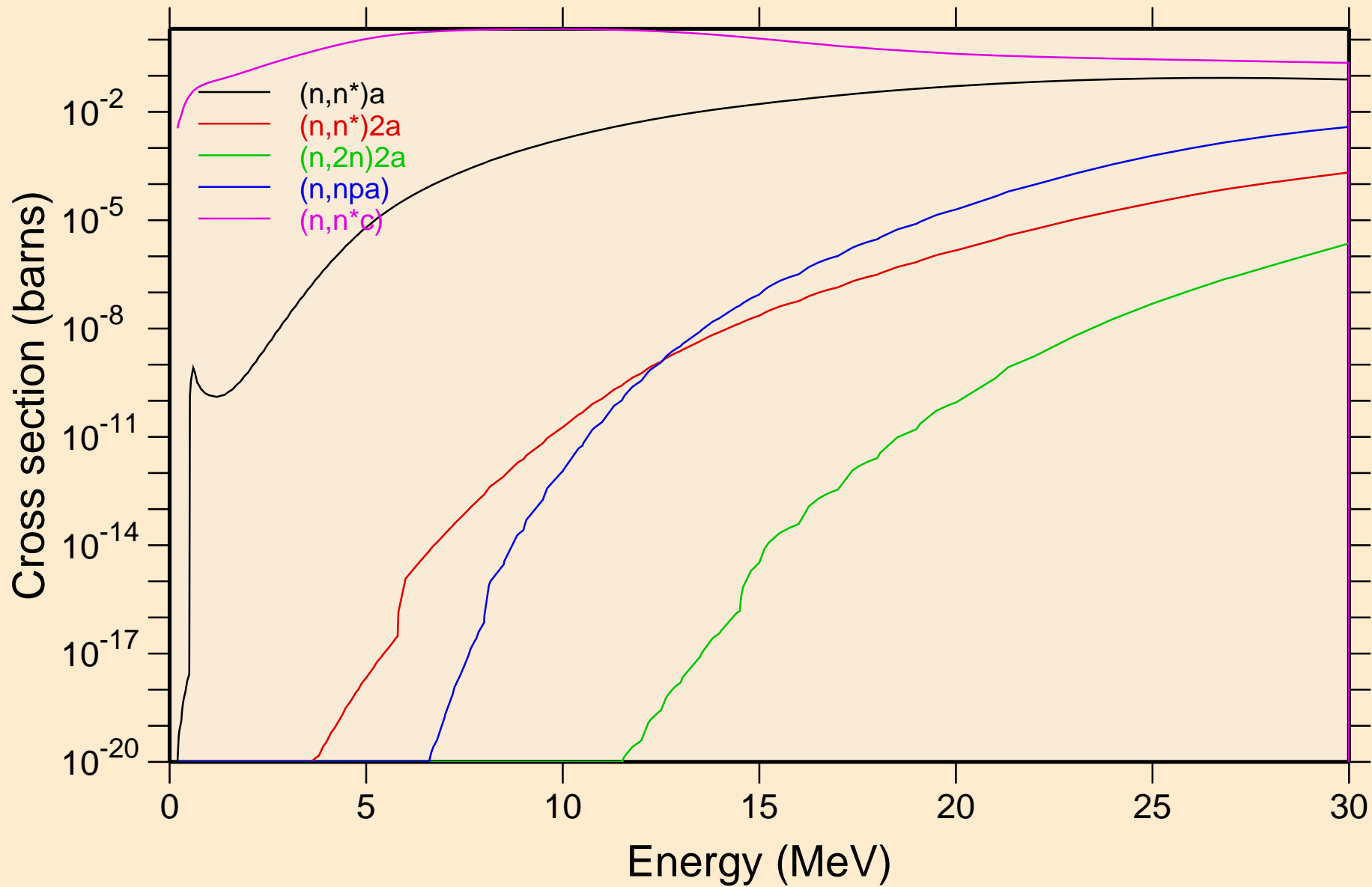
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## Damage



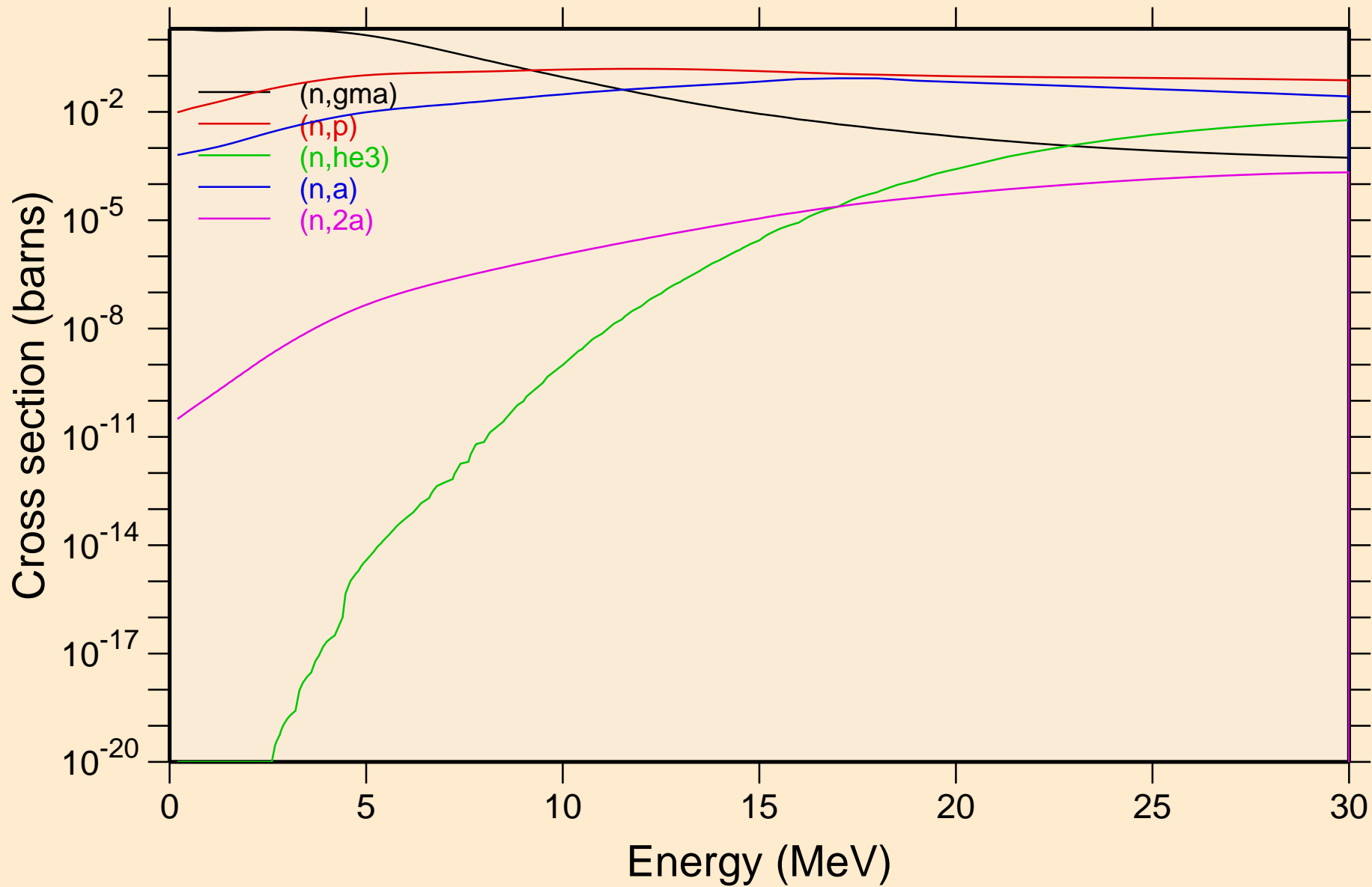
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## Non-threshold reactions



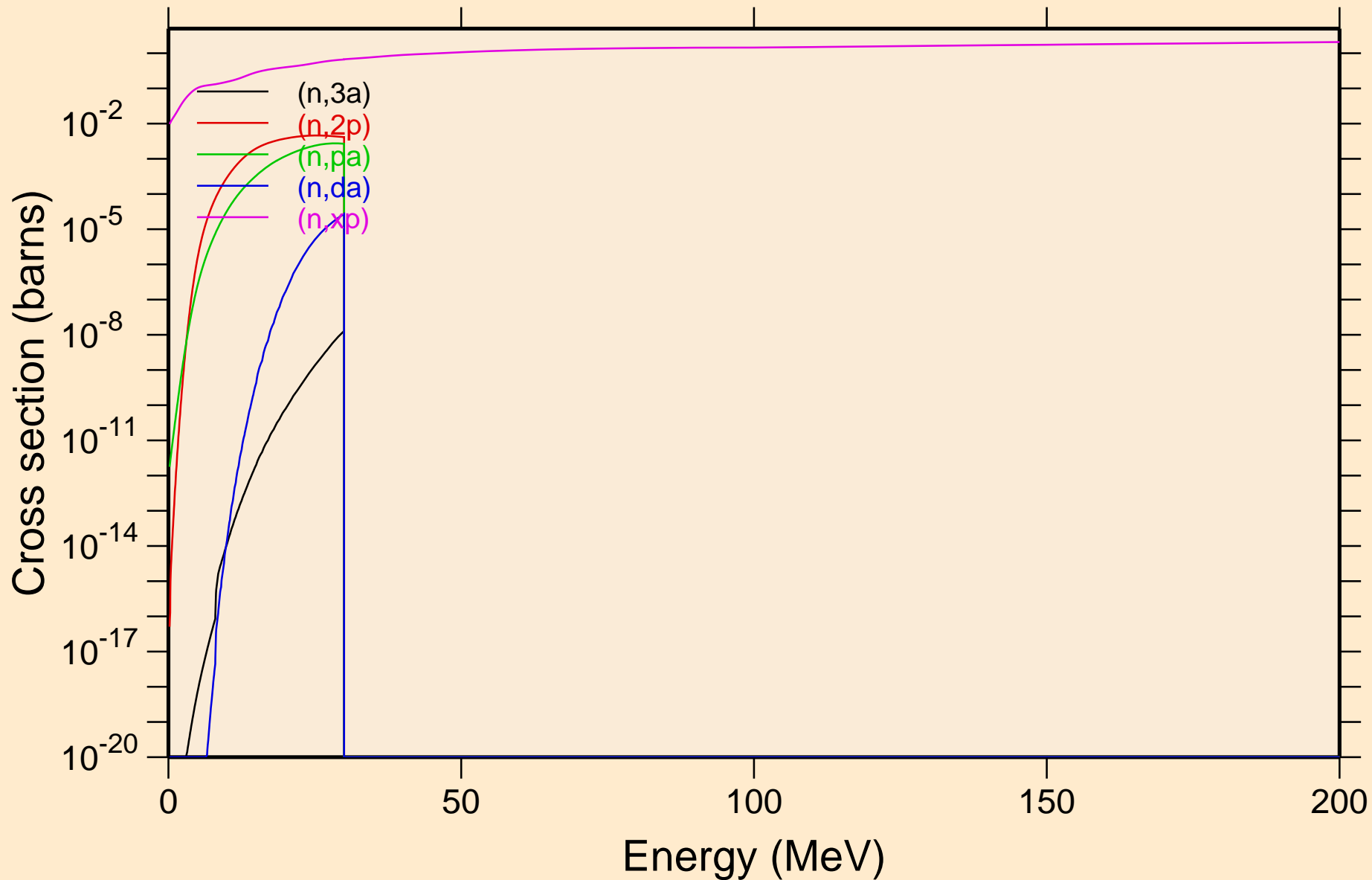
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## Non-threshold reactions

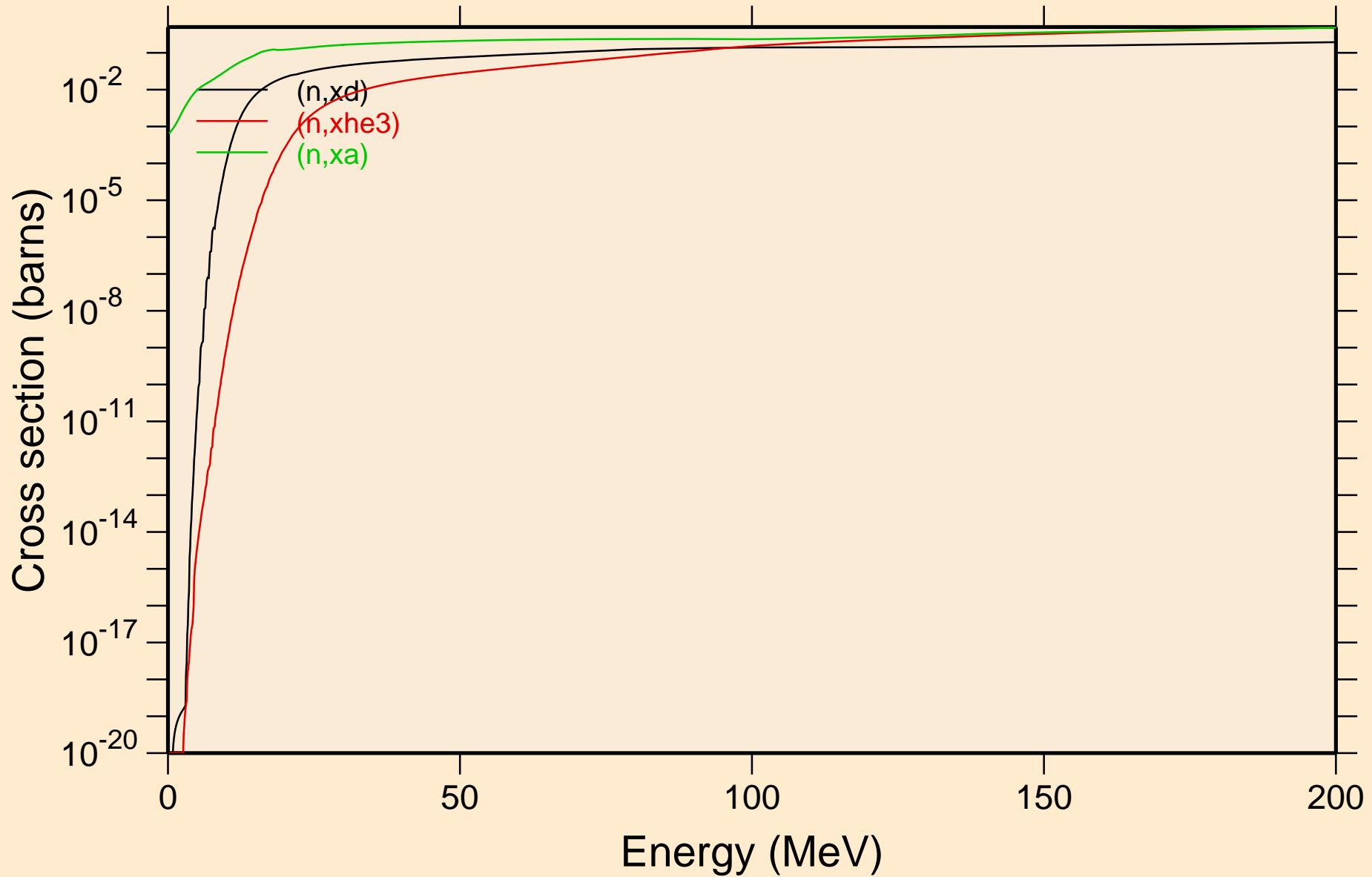


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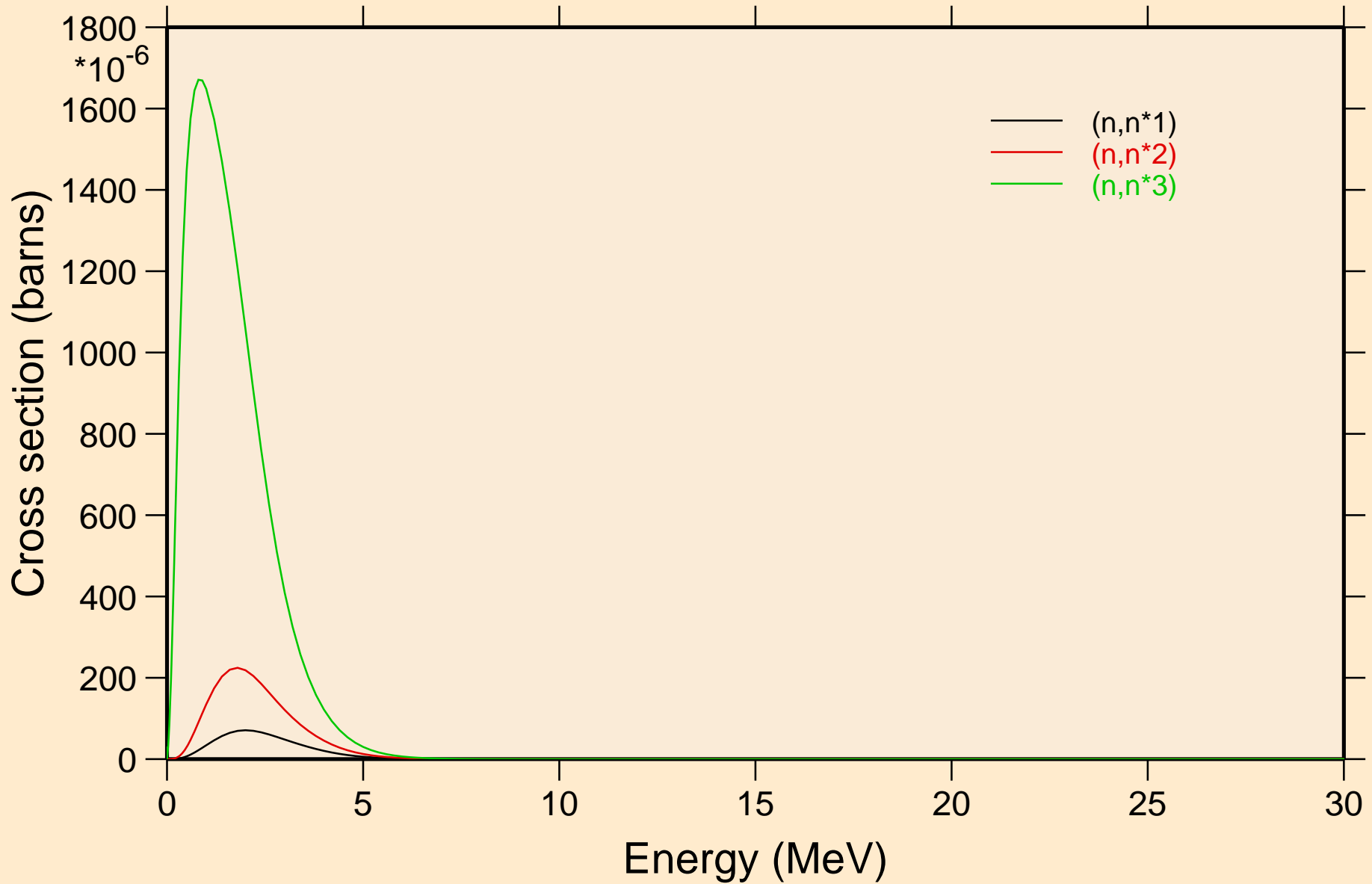
## Non-threshold reactions



HG185M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

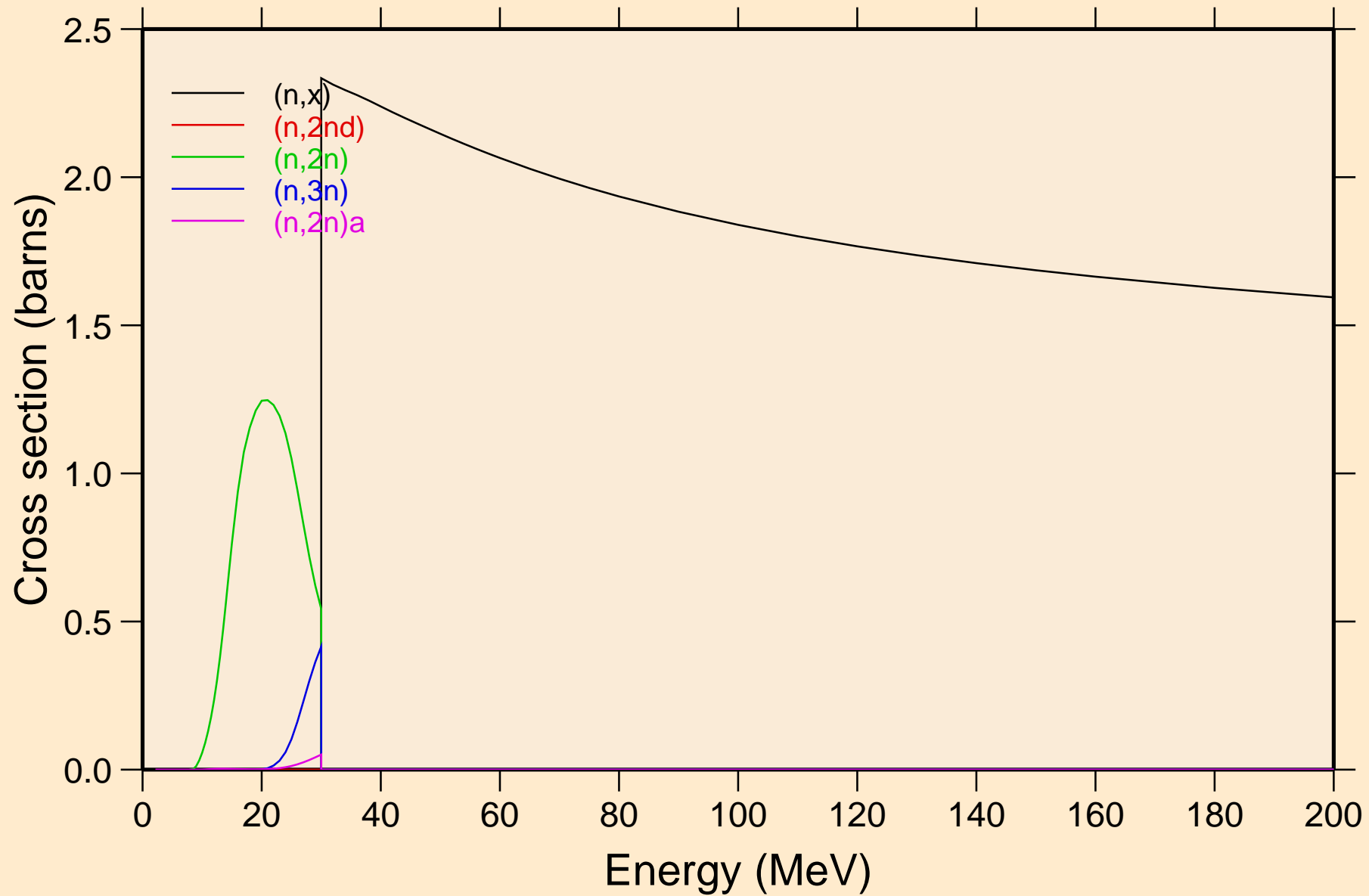


HG185M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



# HG185M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

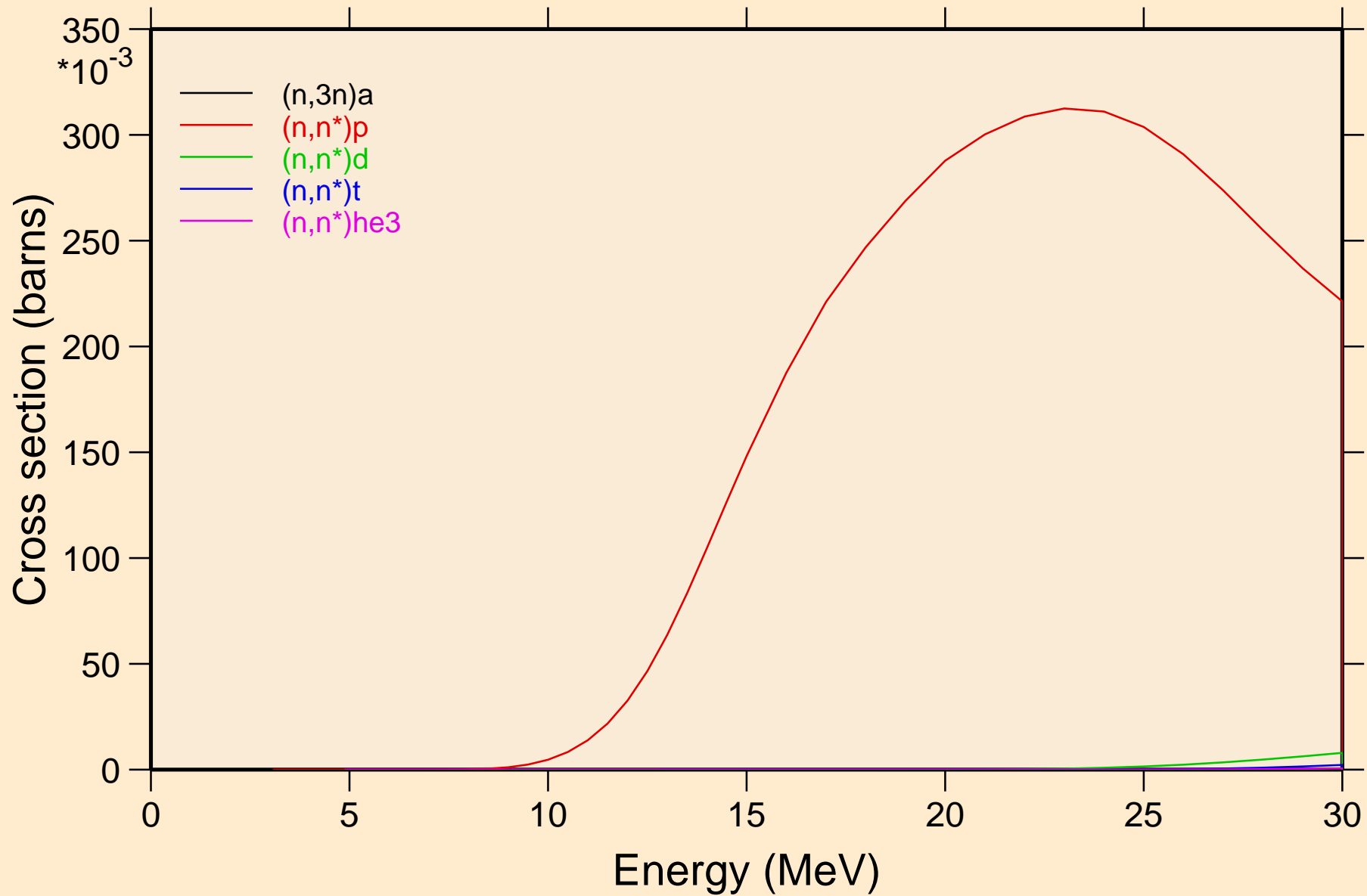
## Threshold reactions





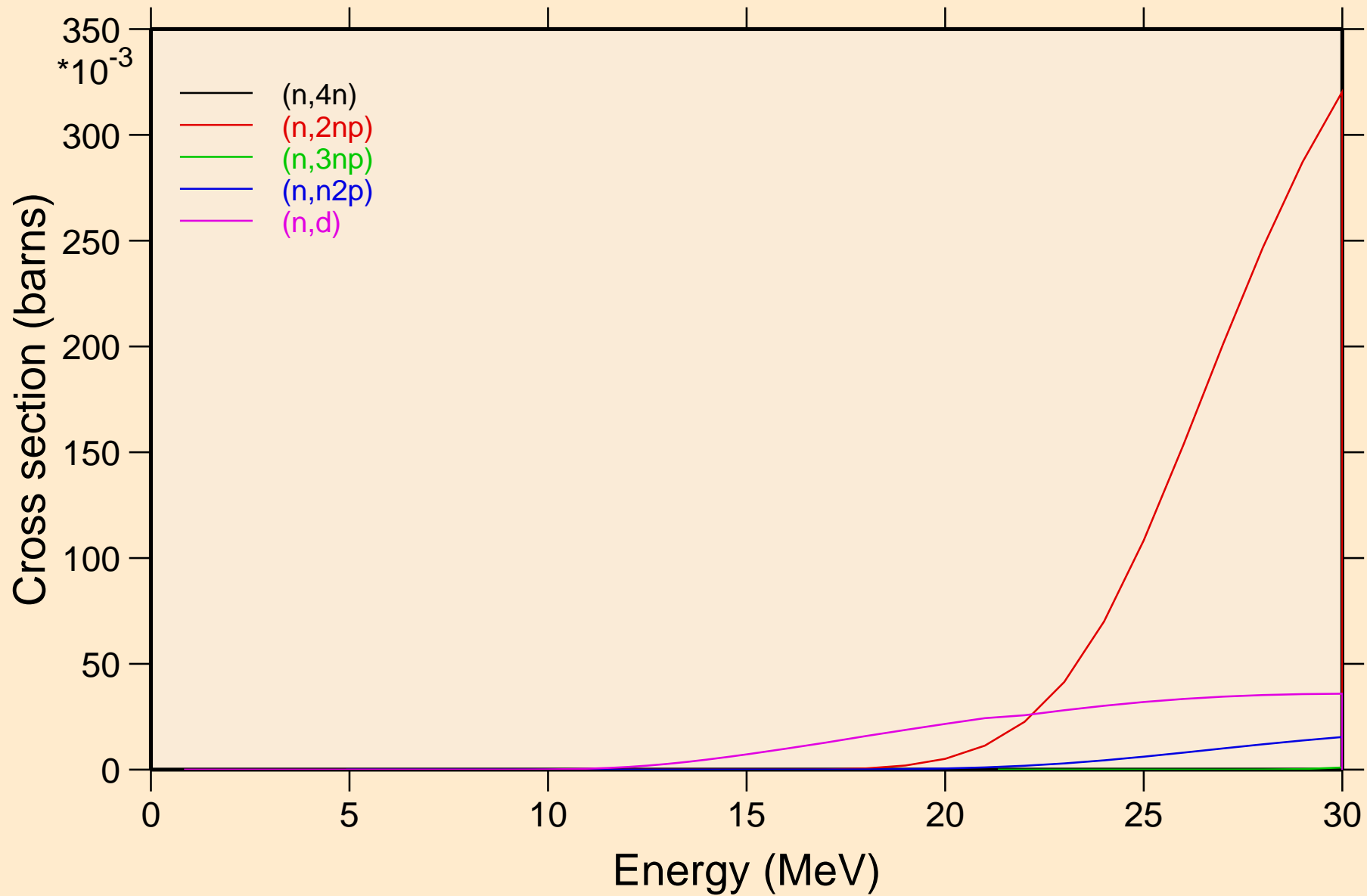
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## Threshold reactions



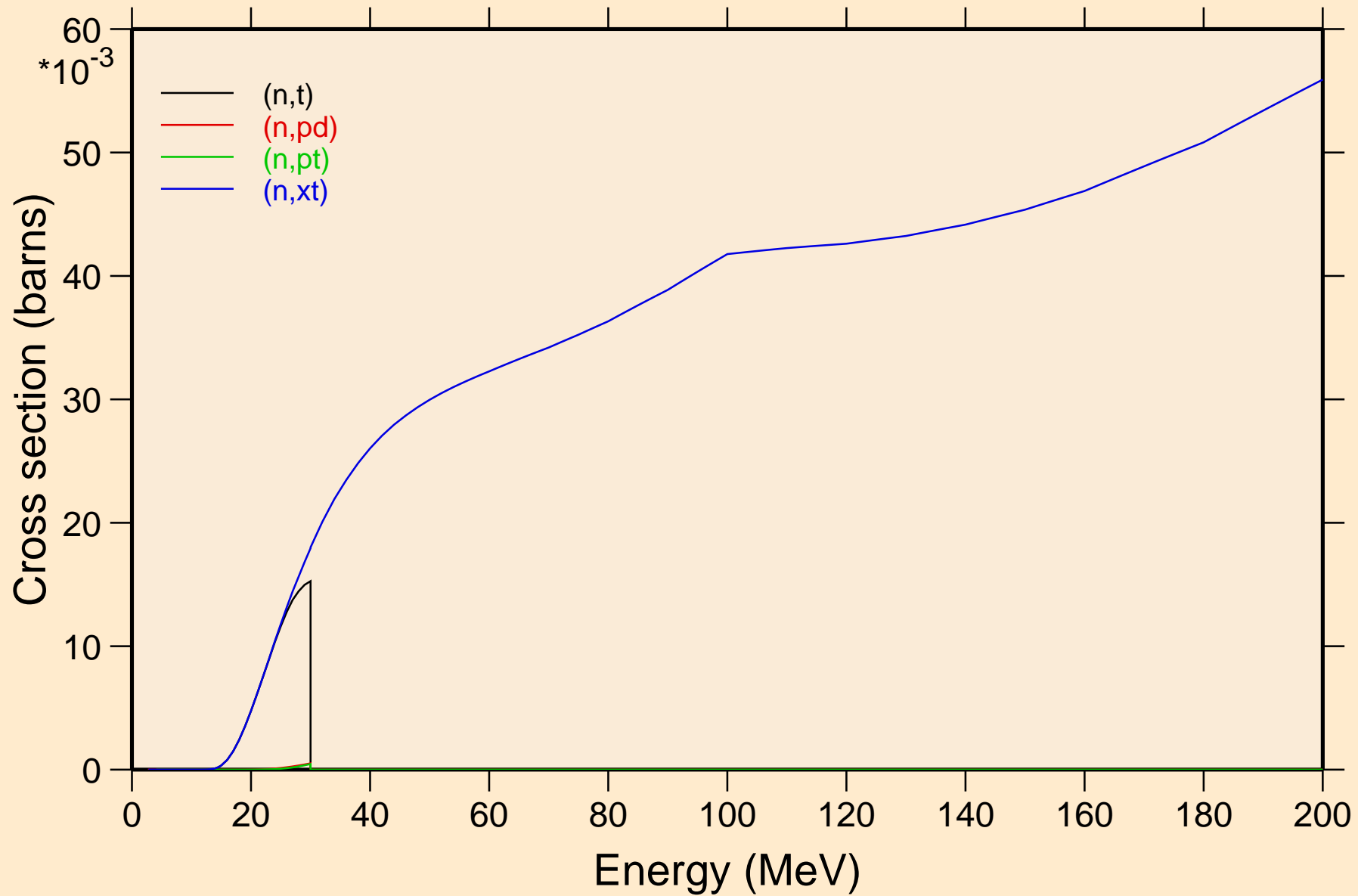
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## Threshold reactions

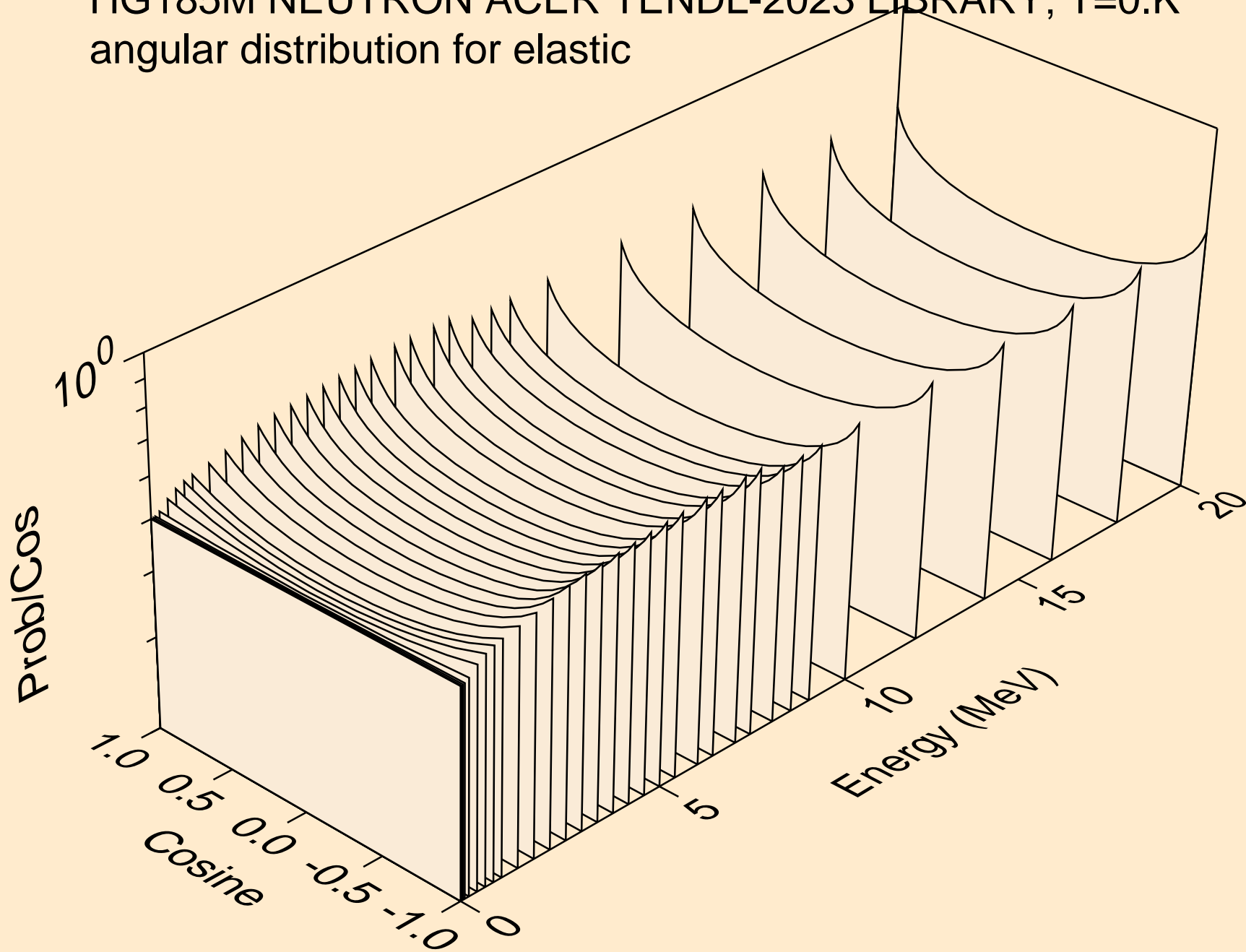


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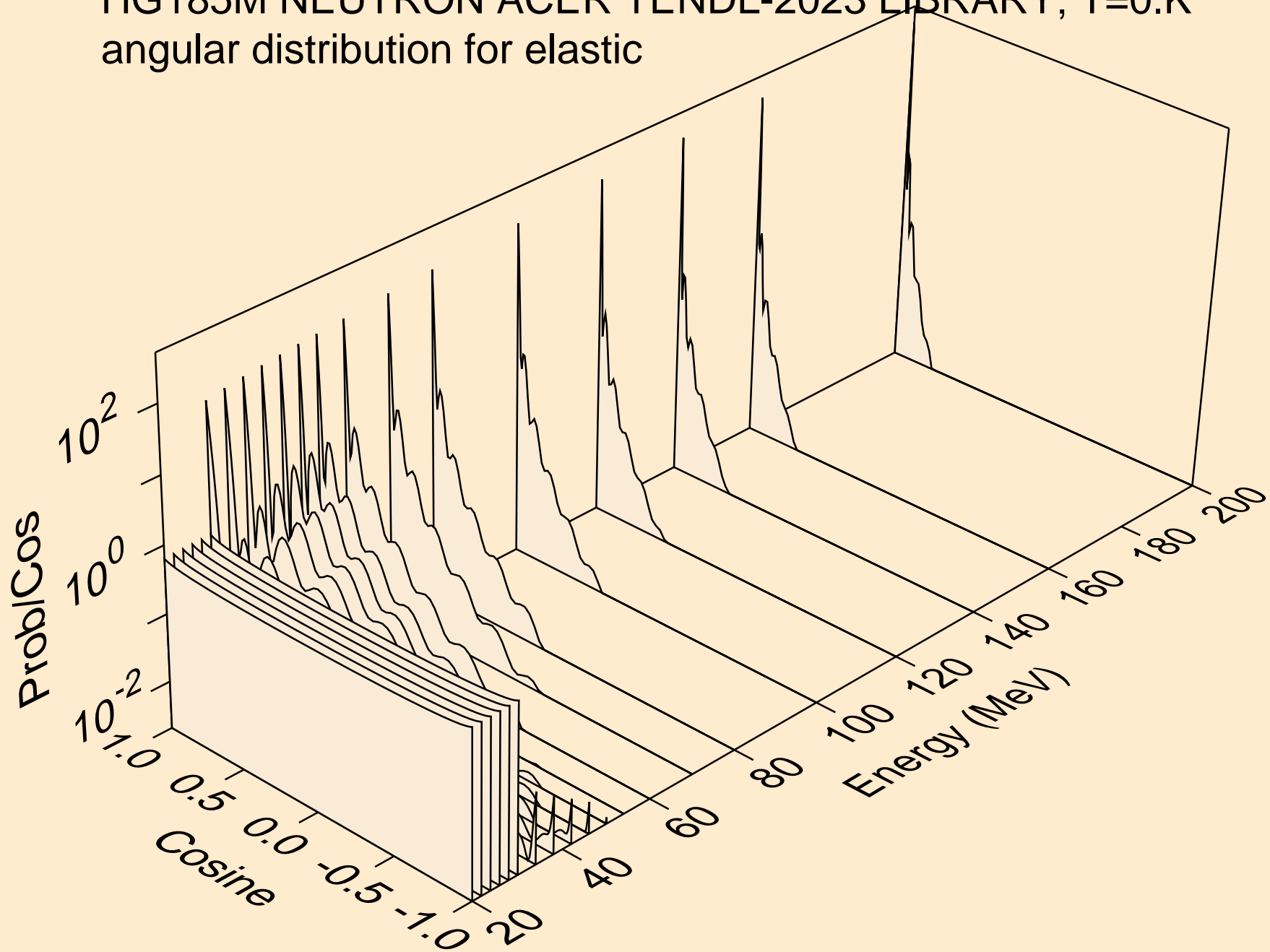
## Threshold reactions



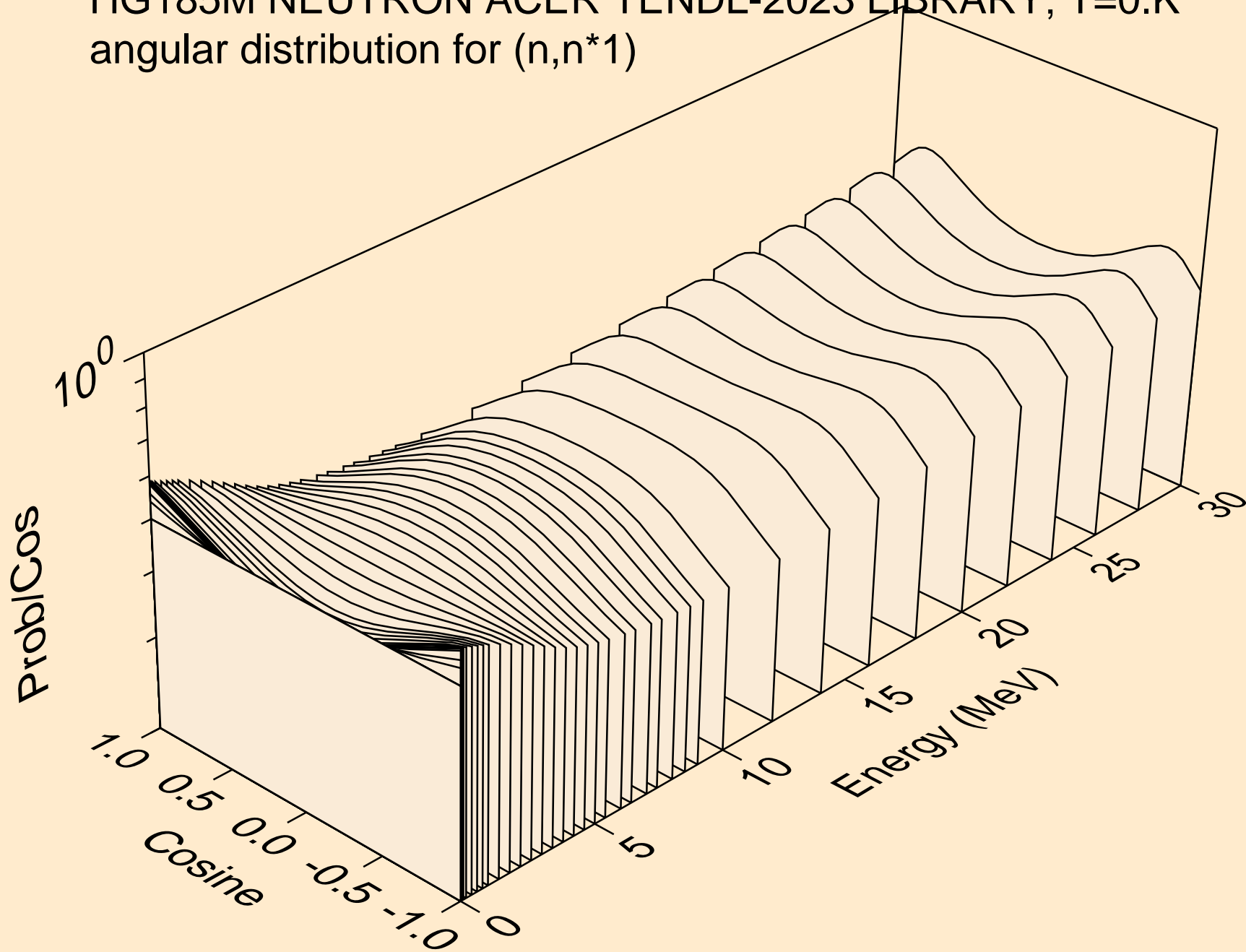
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angular distribution for elastic



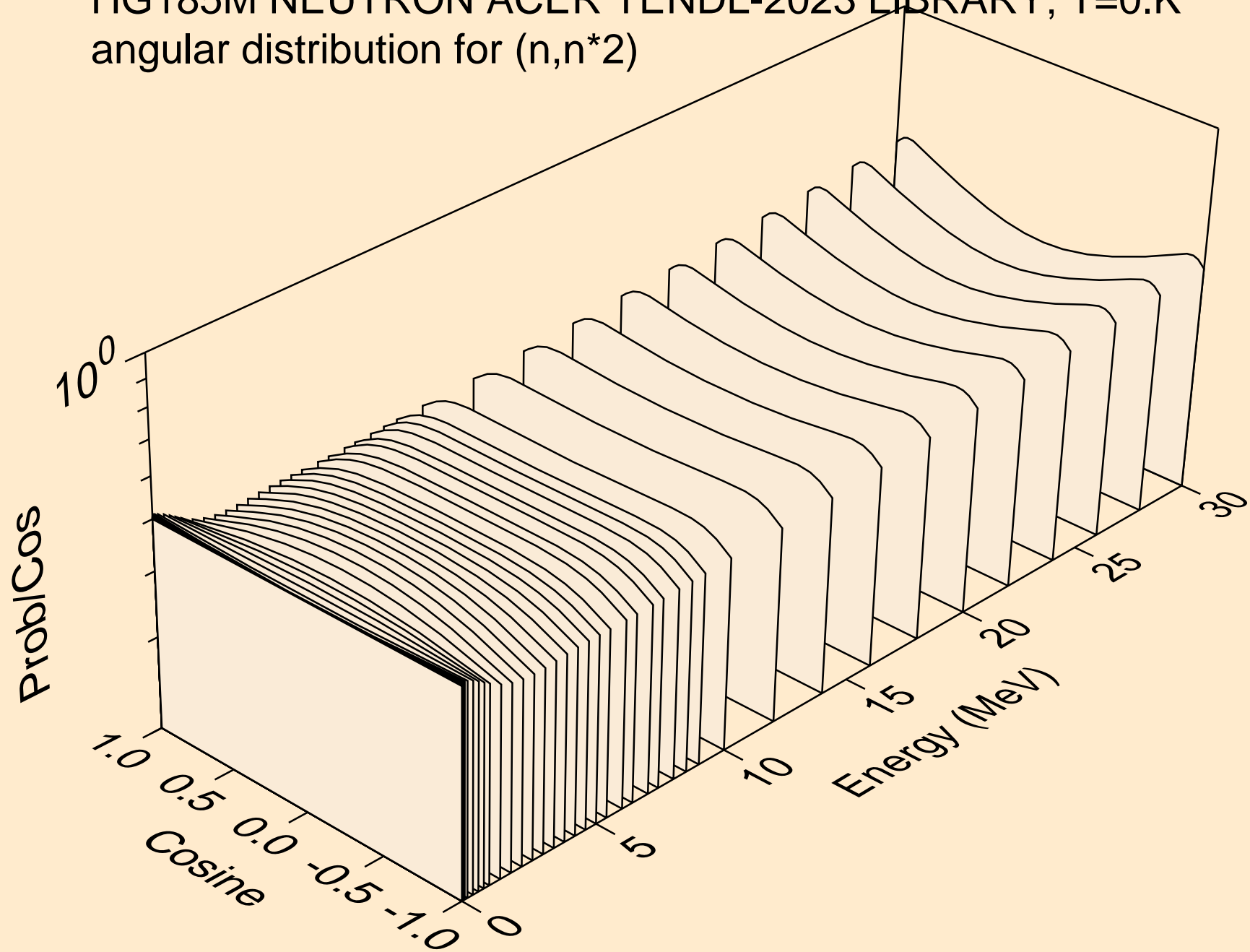
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angular distribution for elastic



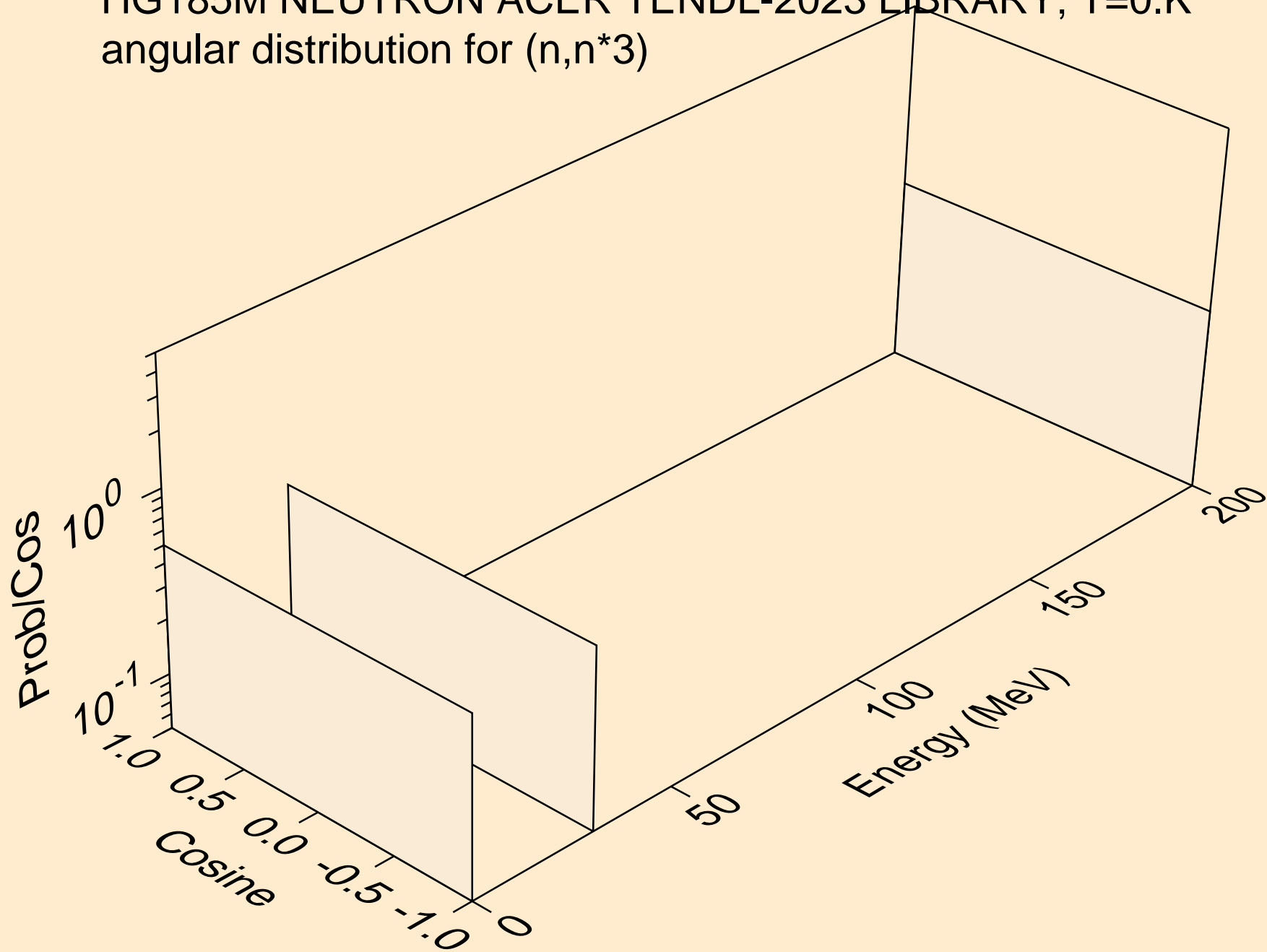
HG185M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



HG185M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*2)

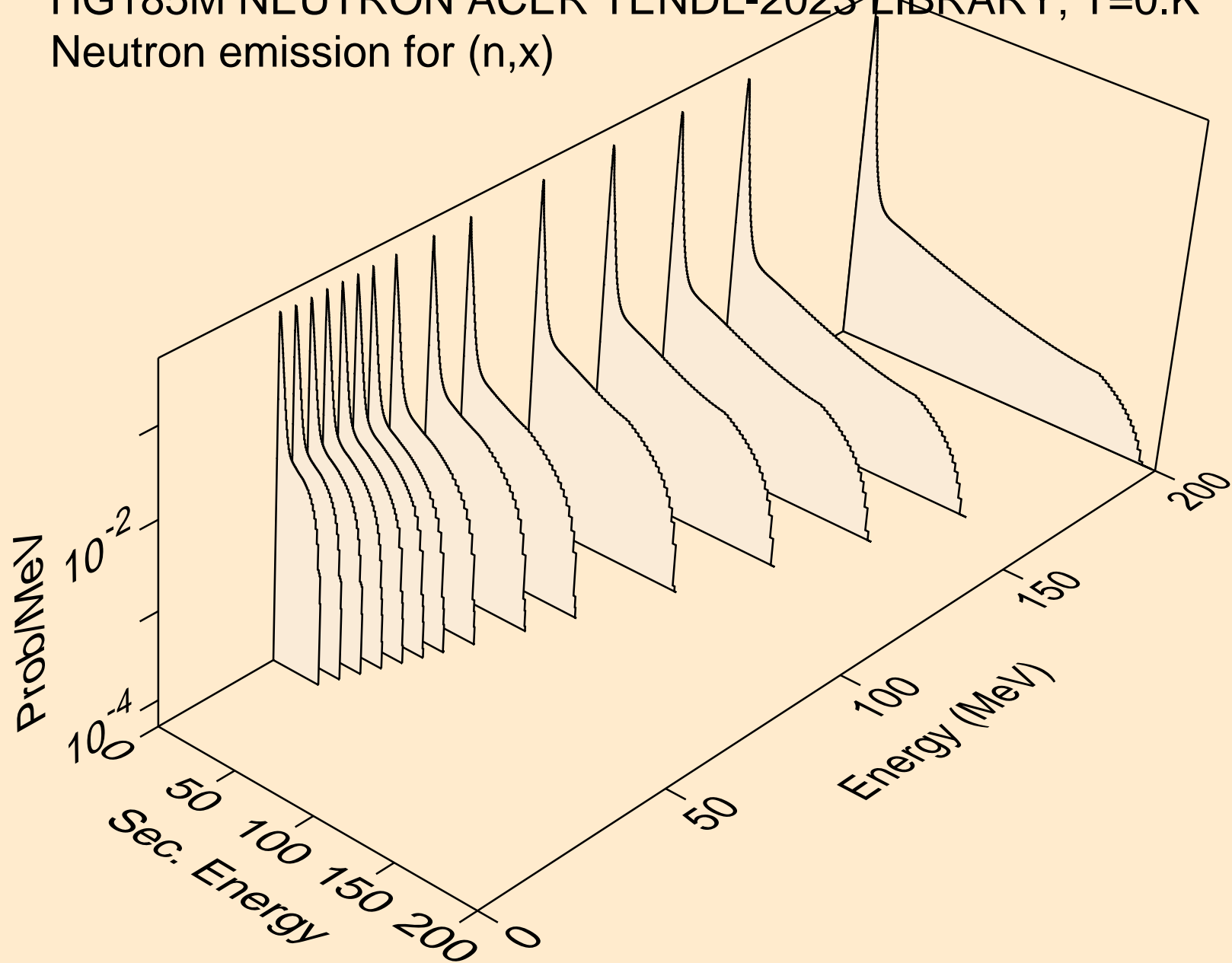


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angular distribution for (n,n\*3)

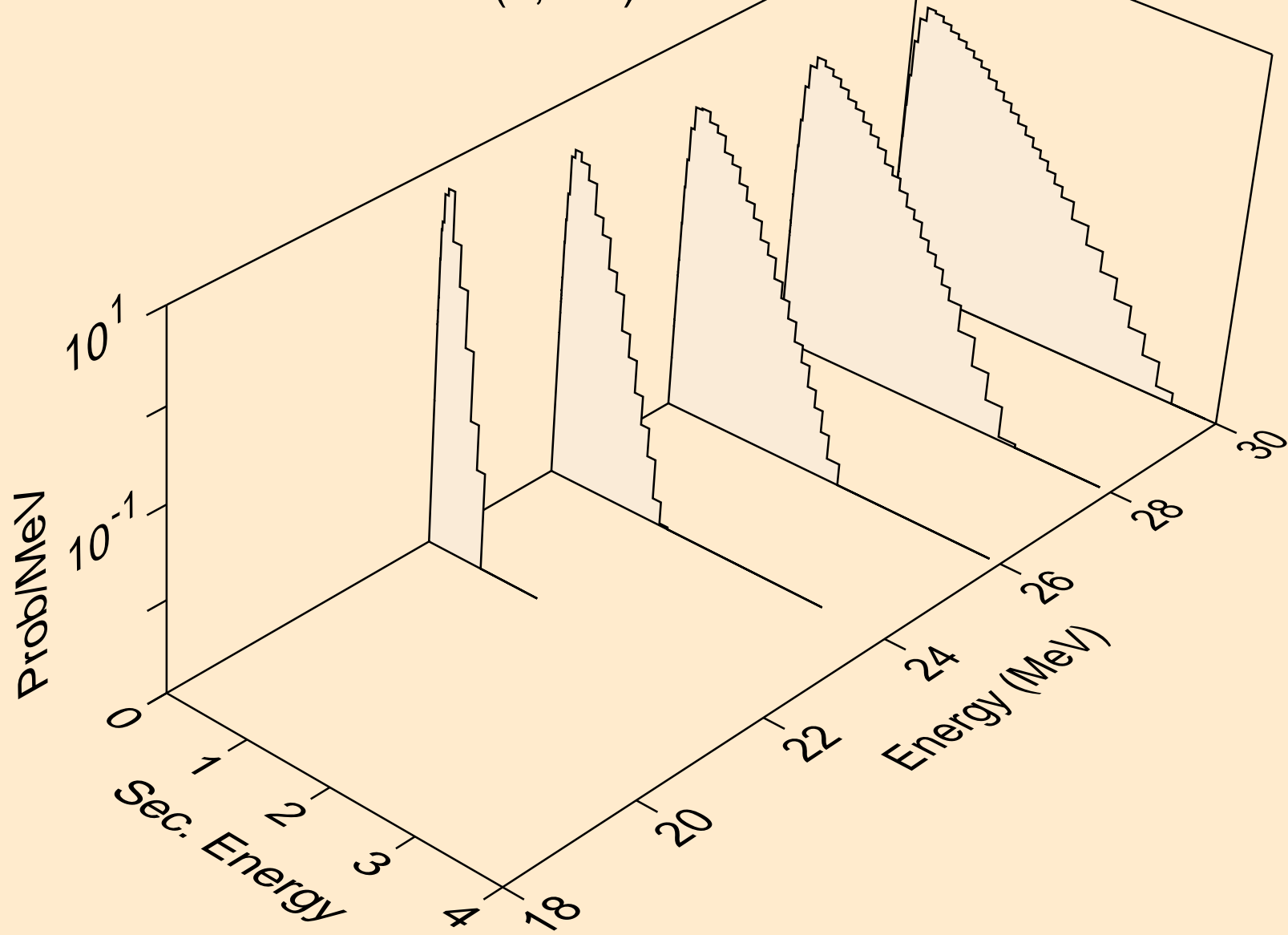




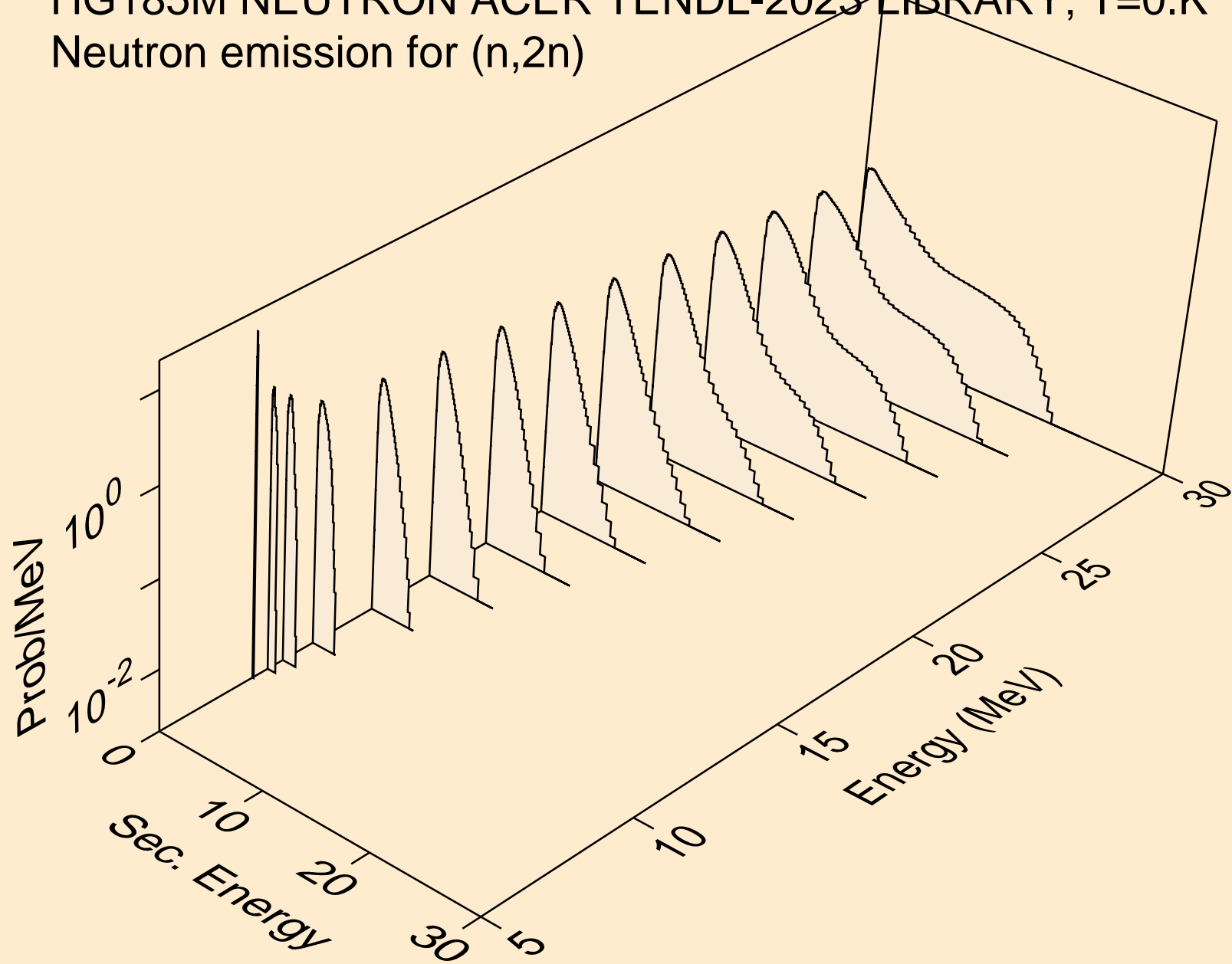
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Neutron emission for (n,x)



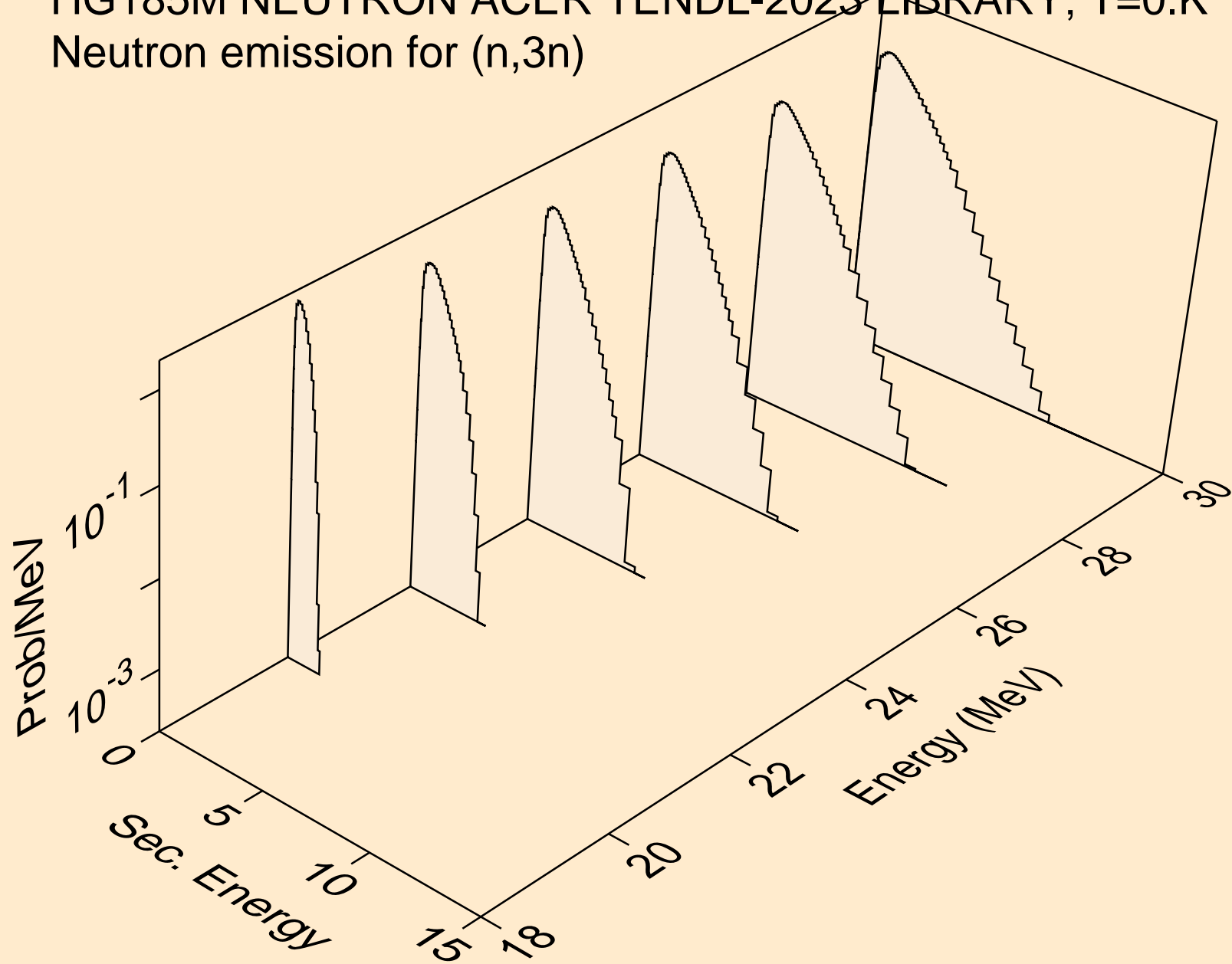
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Neutron emission for (n,2nd)



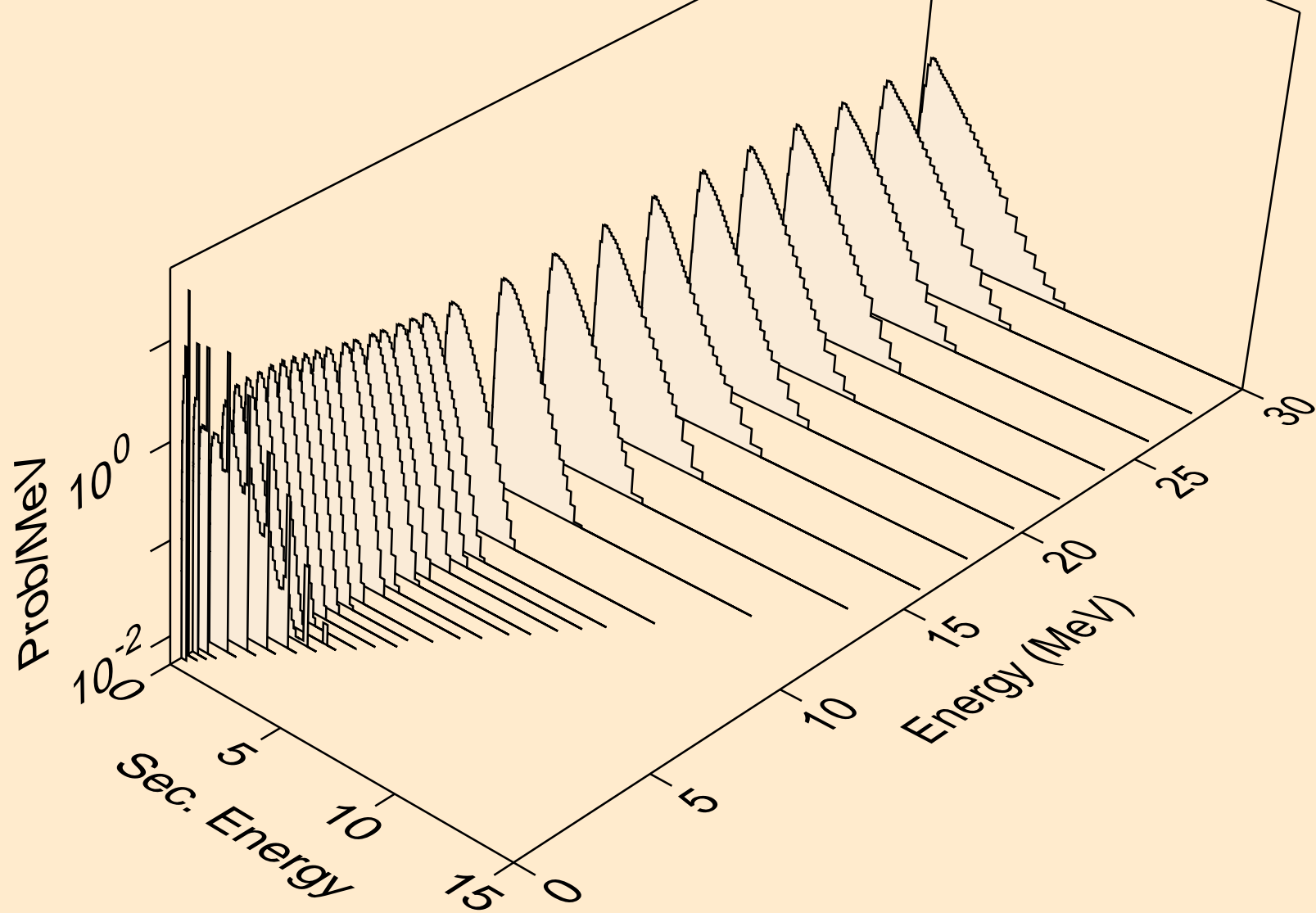
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Neutron emission for (n,2n)



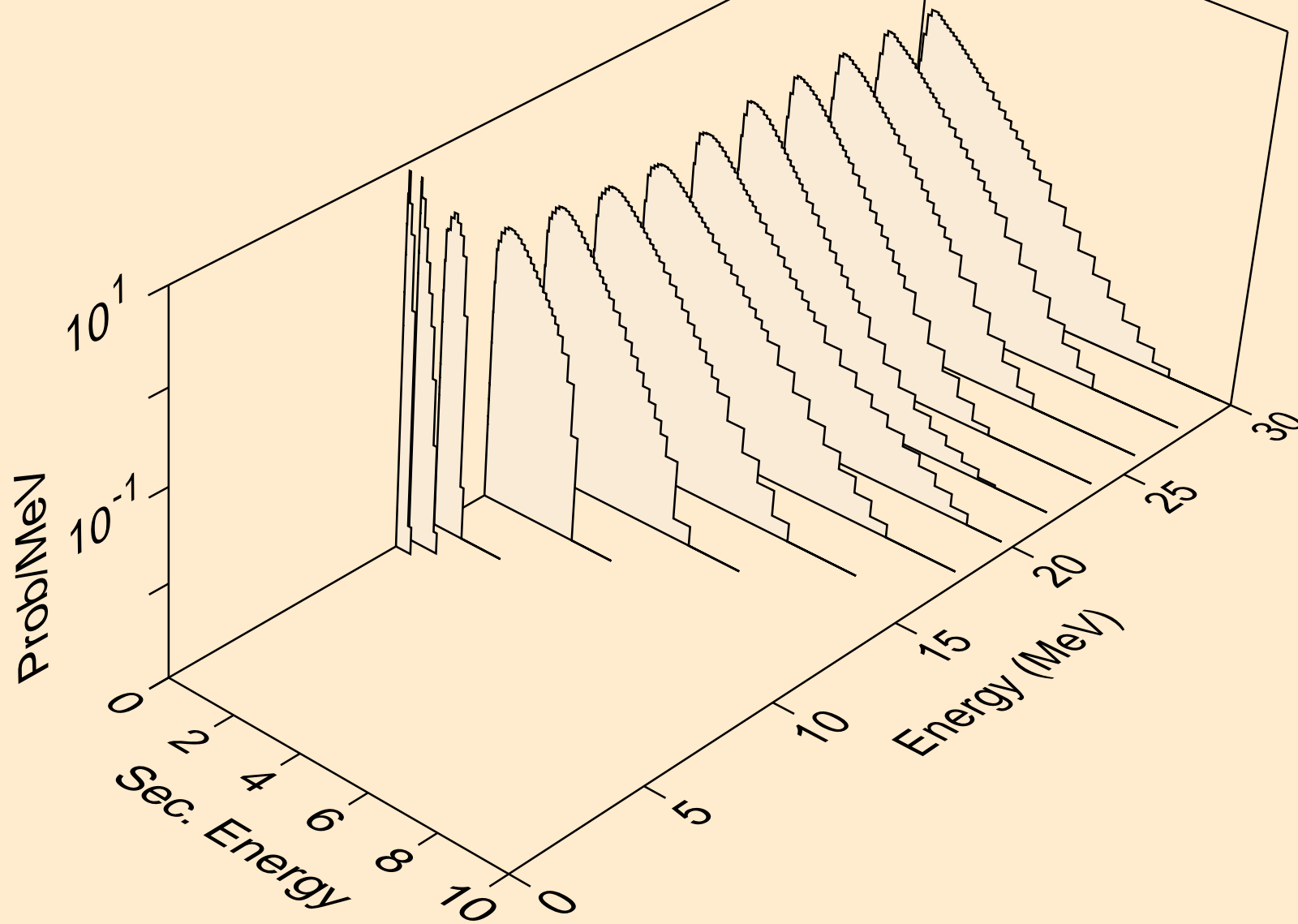
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Neutron emission for (n,3n)



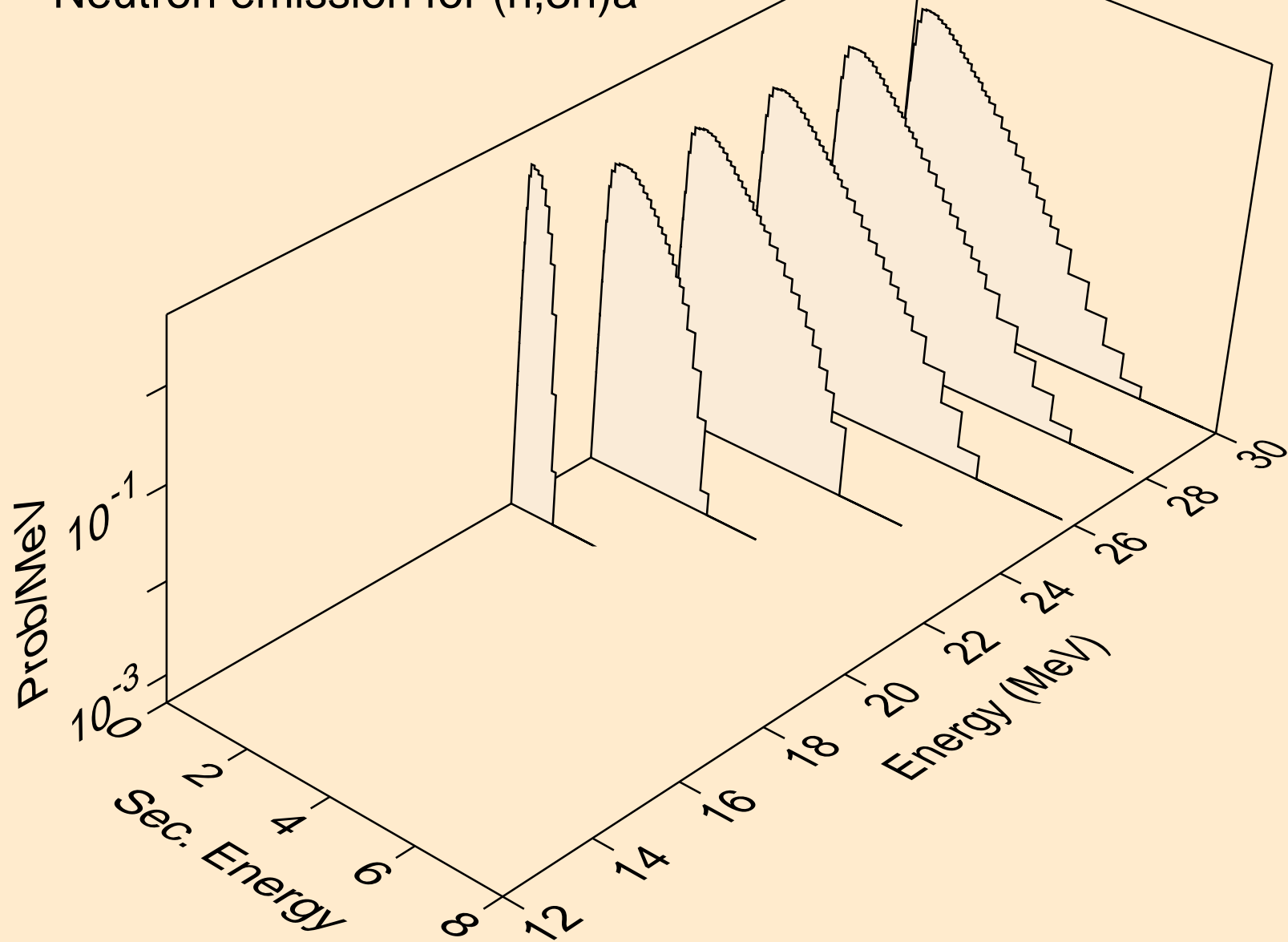
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Neutron emission for (n,n\*)a



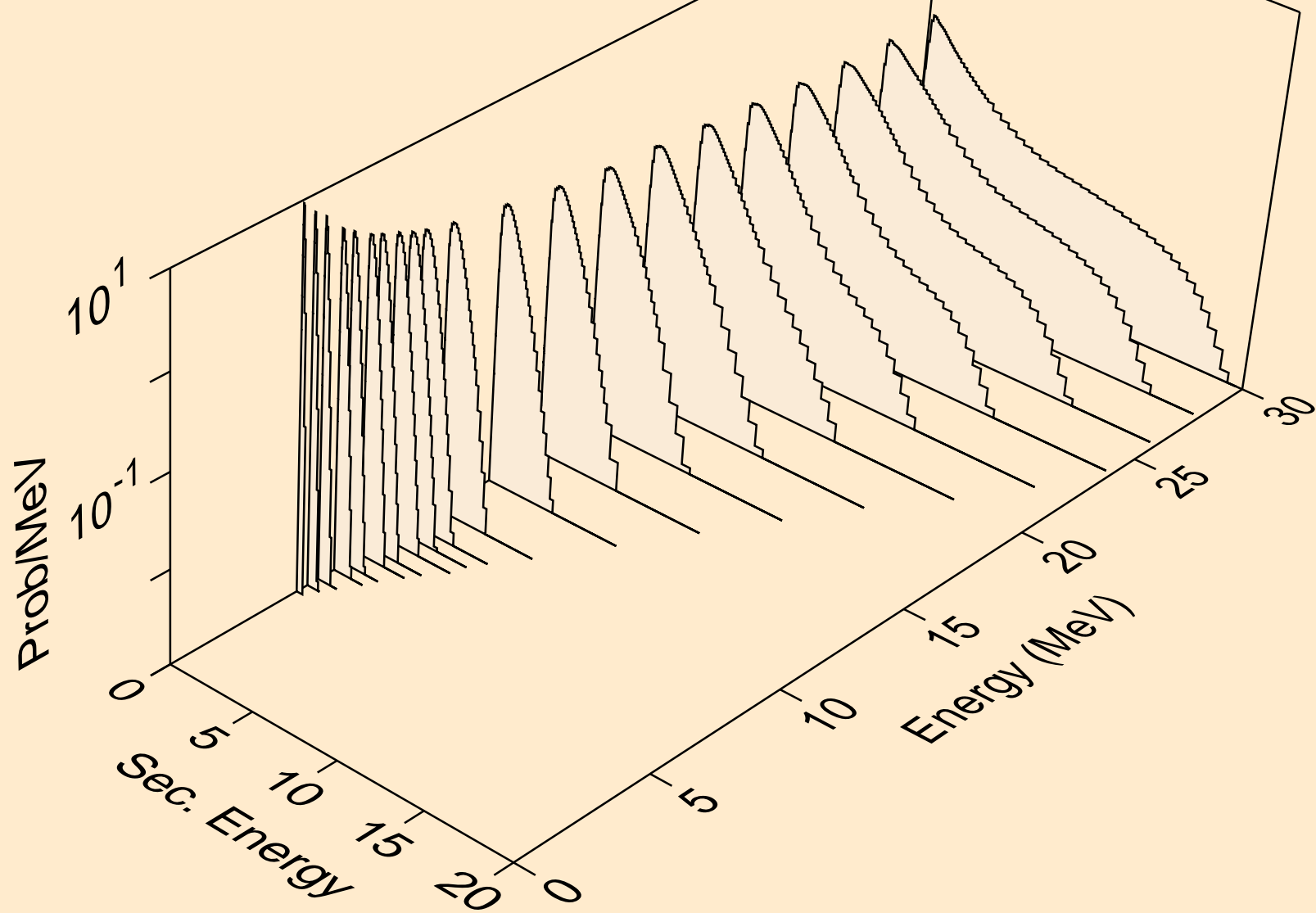
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Neutron emission for (n,2n)a



HG185M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)a

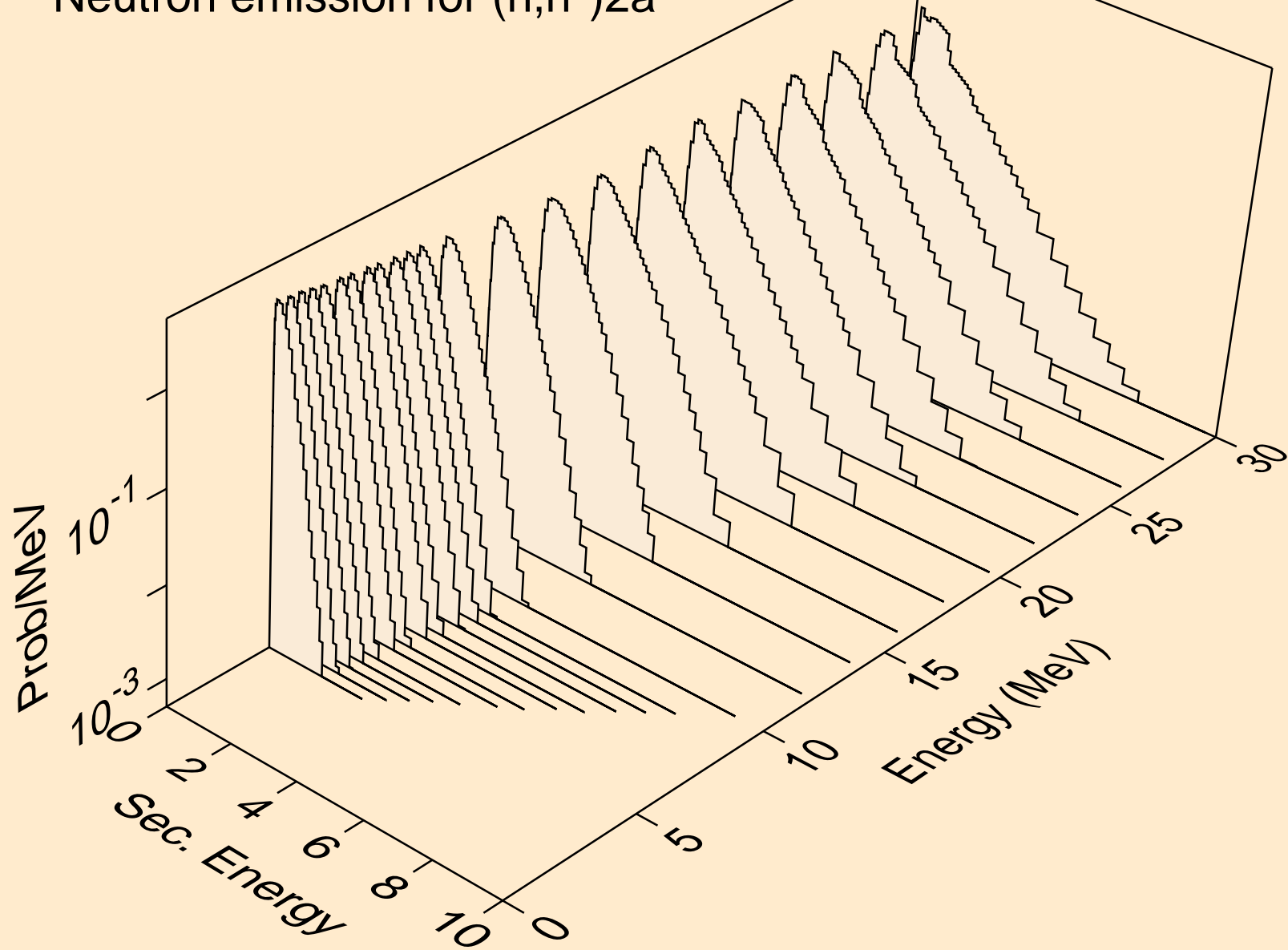


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Neutron emission for (n,n\*)p

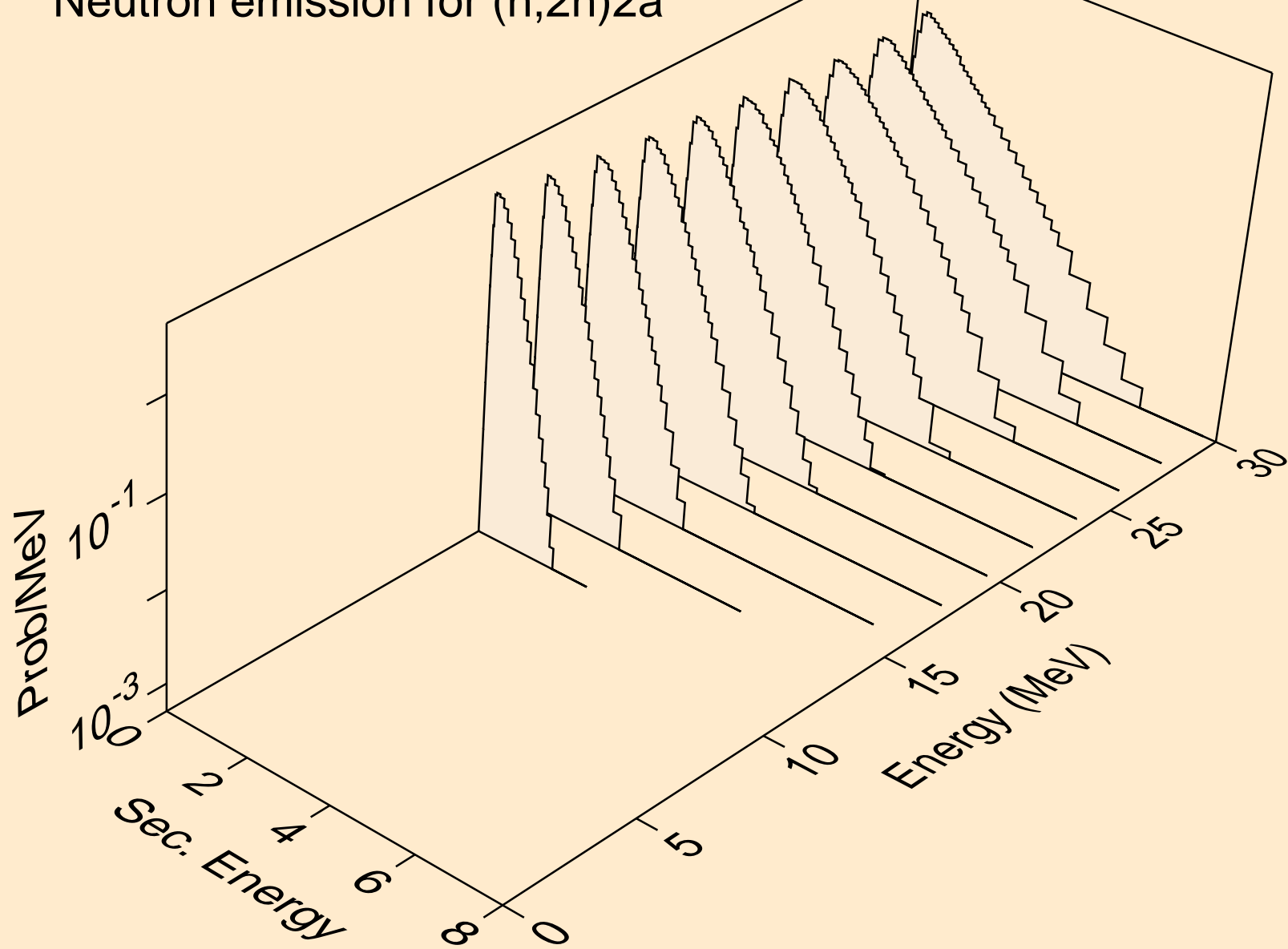




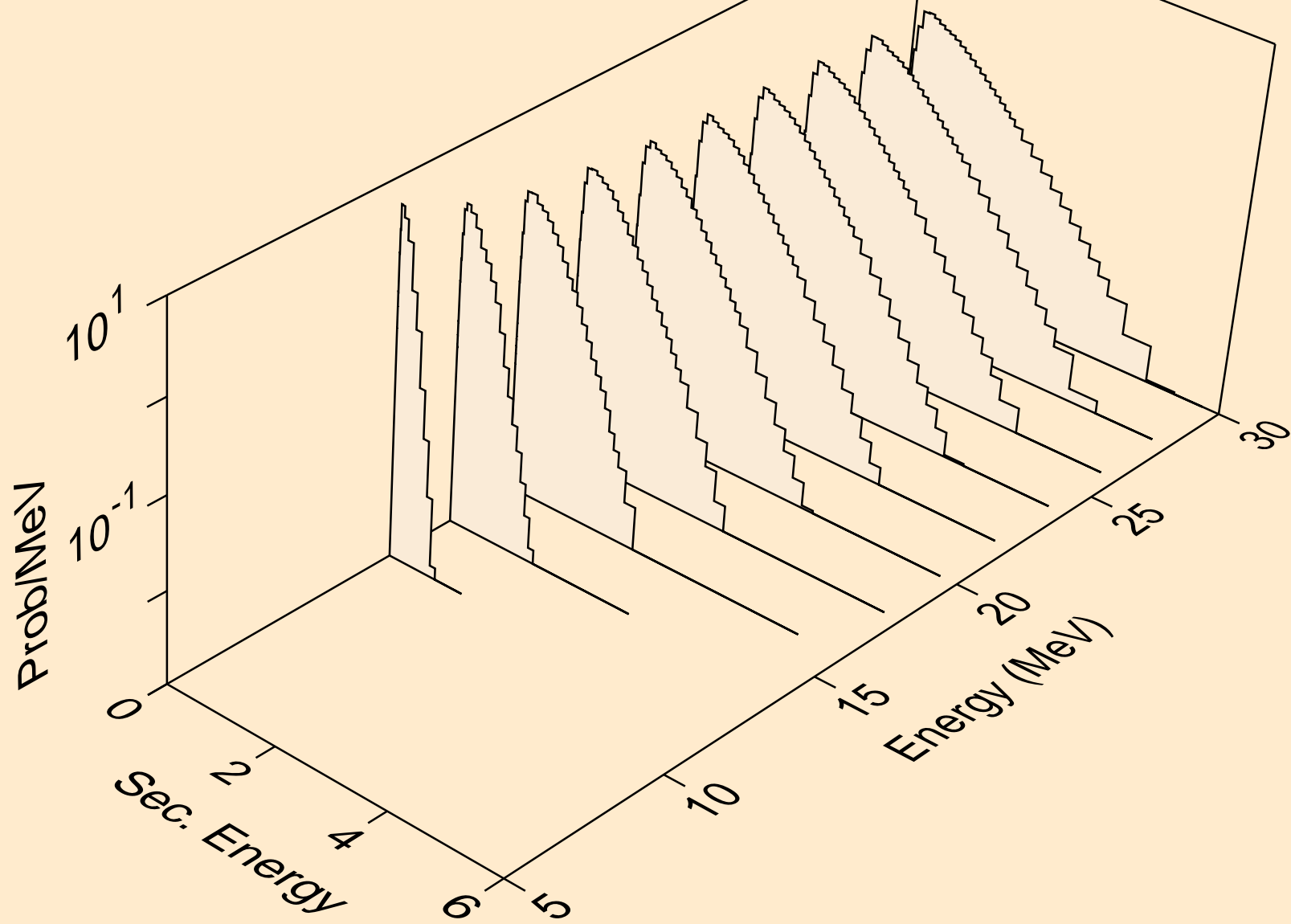
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Neutron emission for (n,n\*)2a



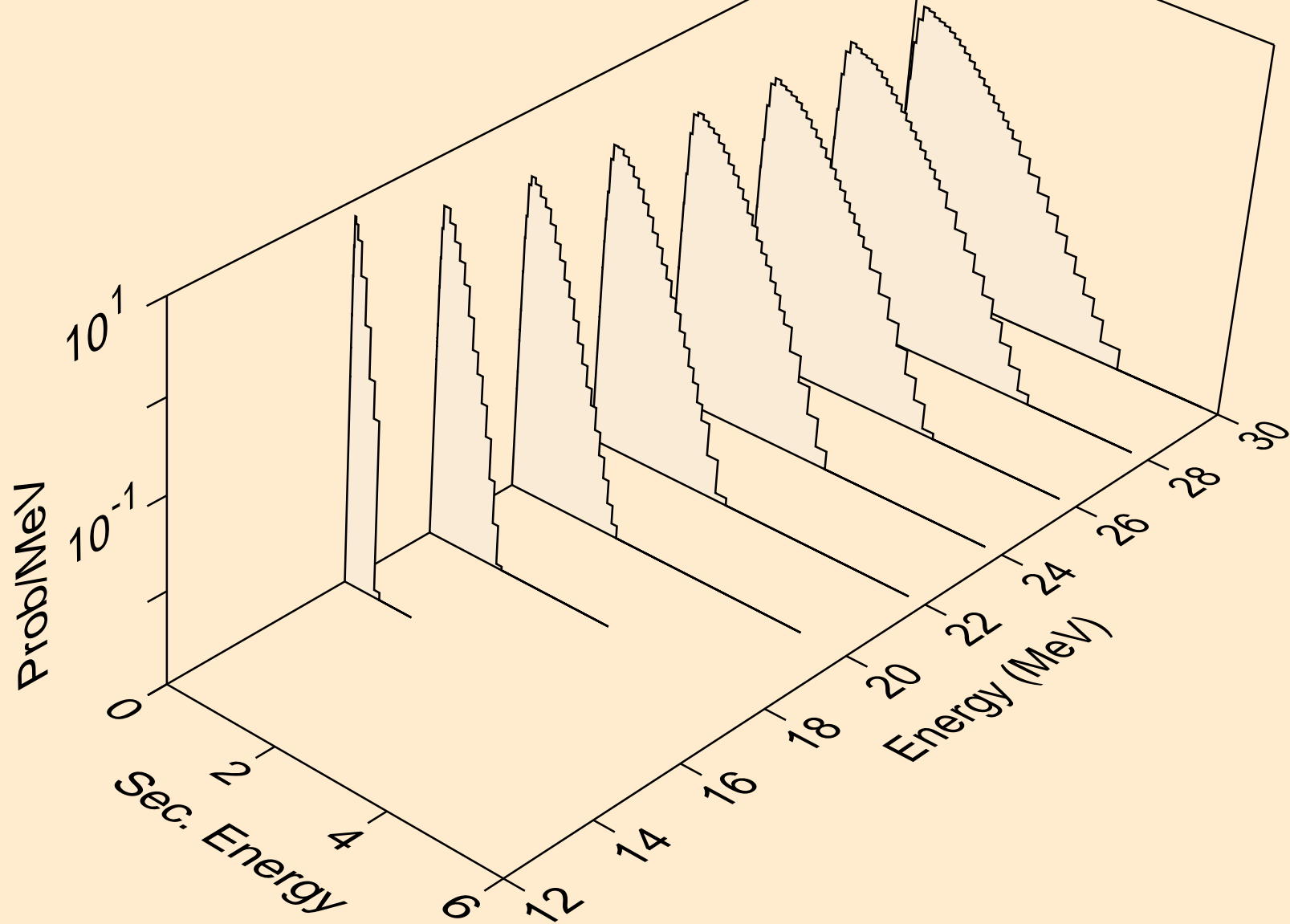
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Neutron emission for (n,2n)2a



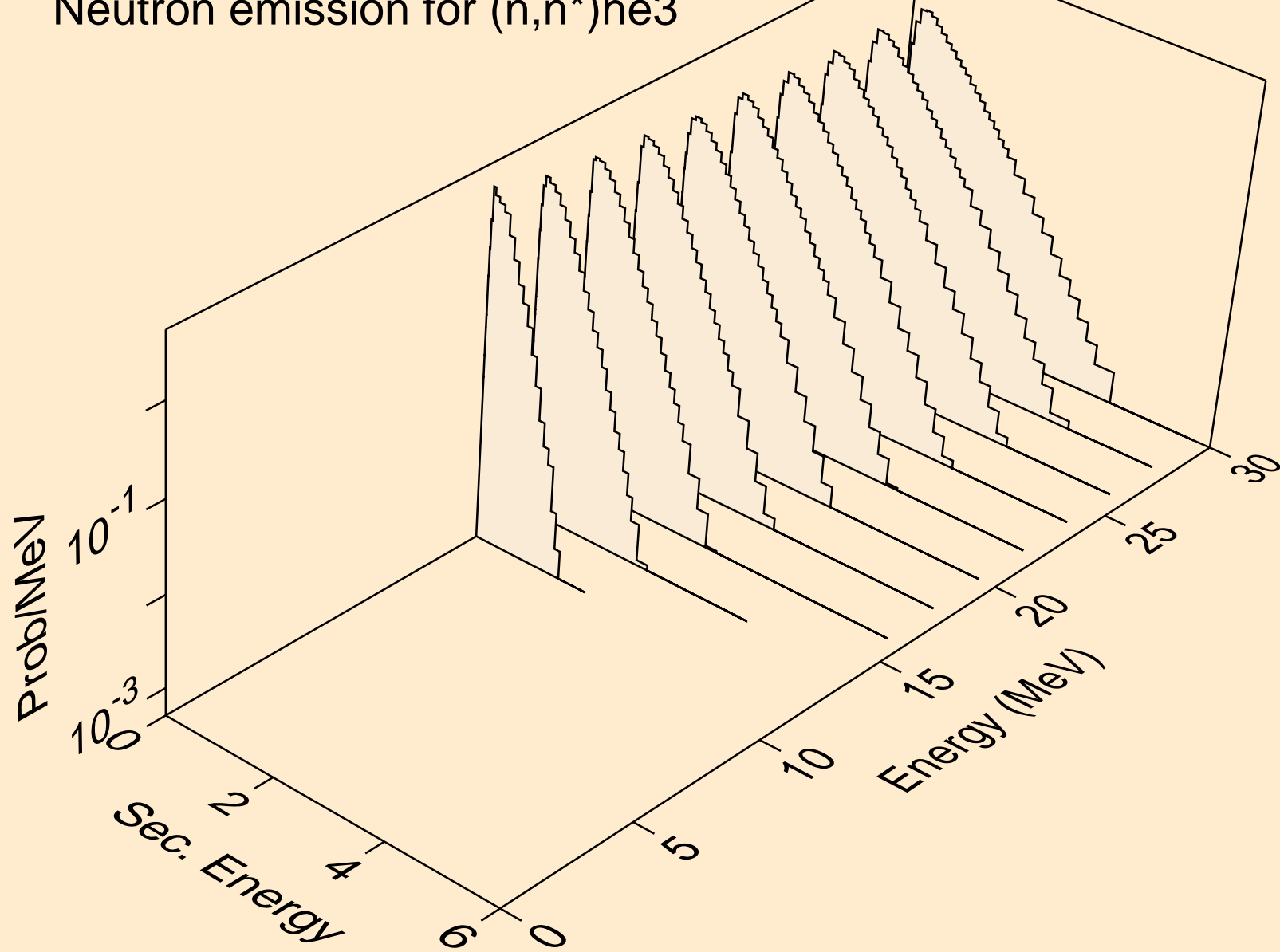
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Neutron emission for (n,n\*)d



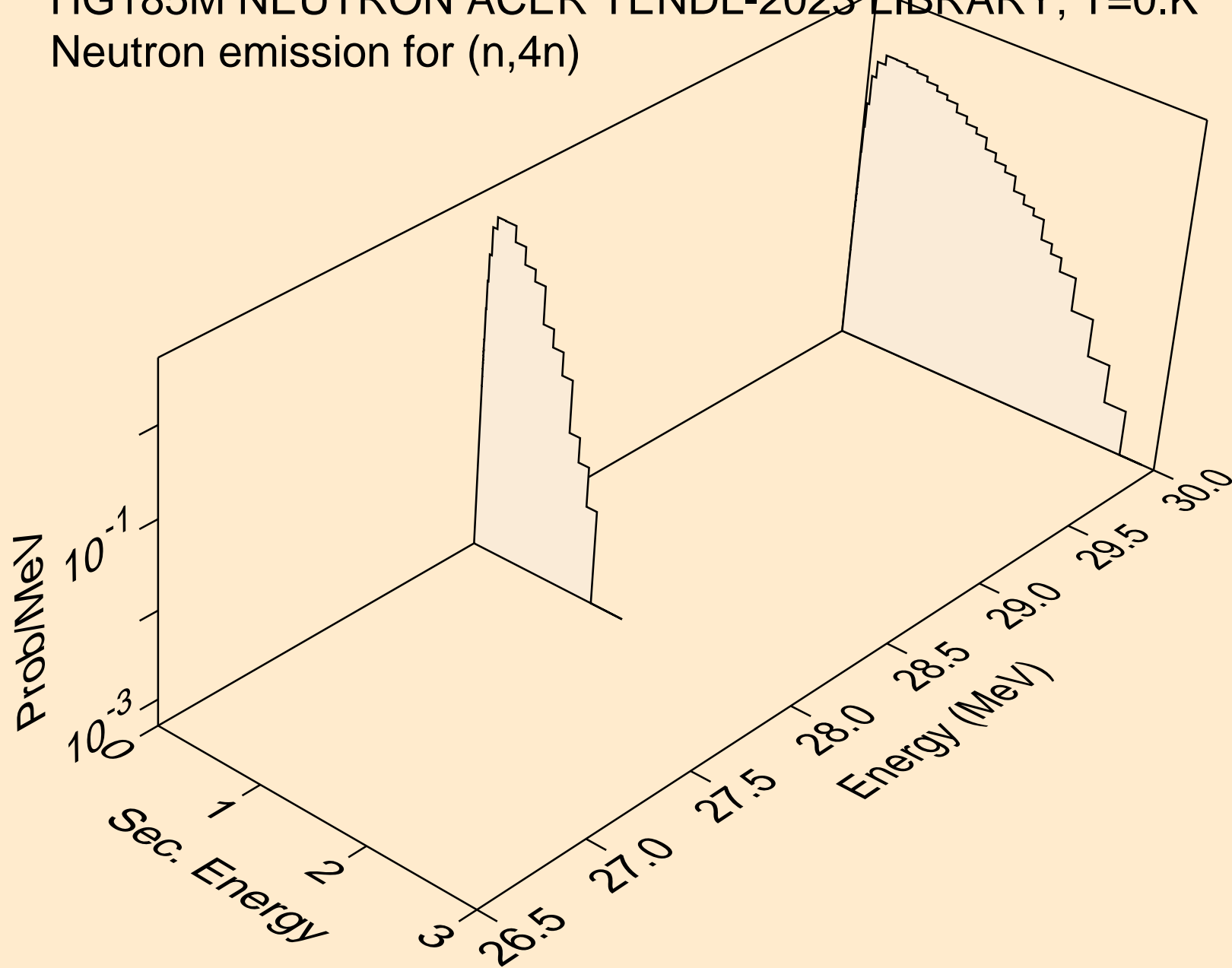
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Neutron emission for (n,n\*)t



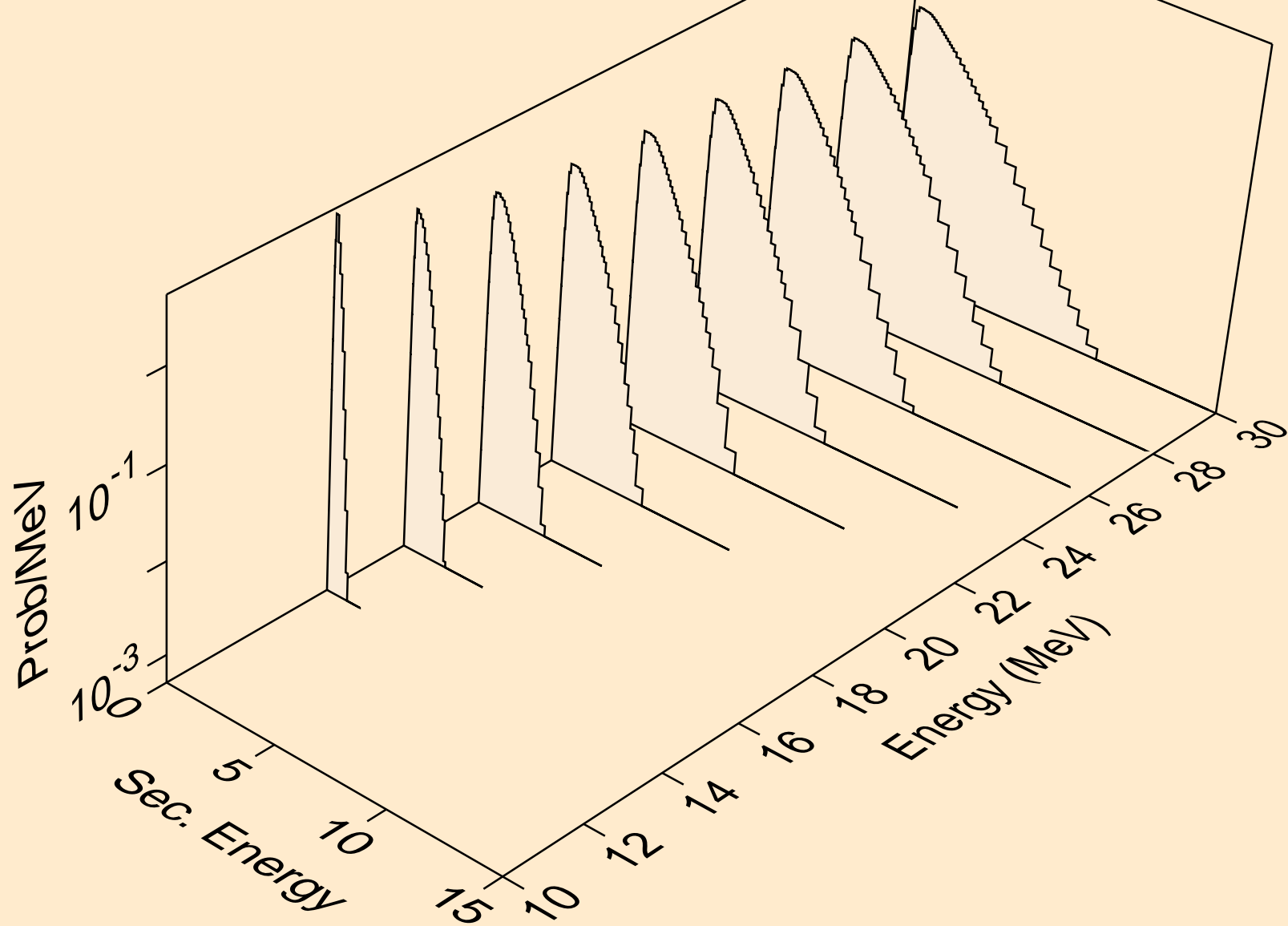
HG185M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



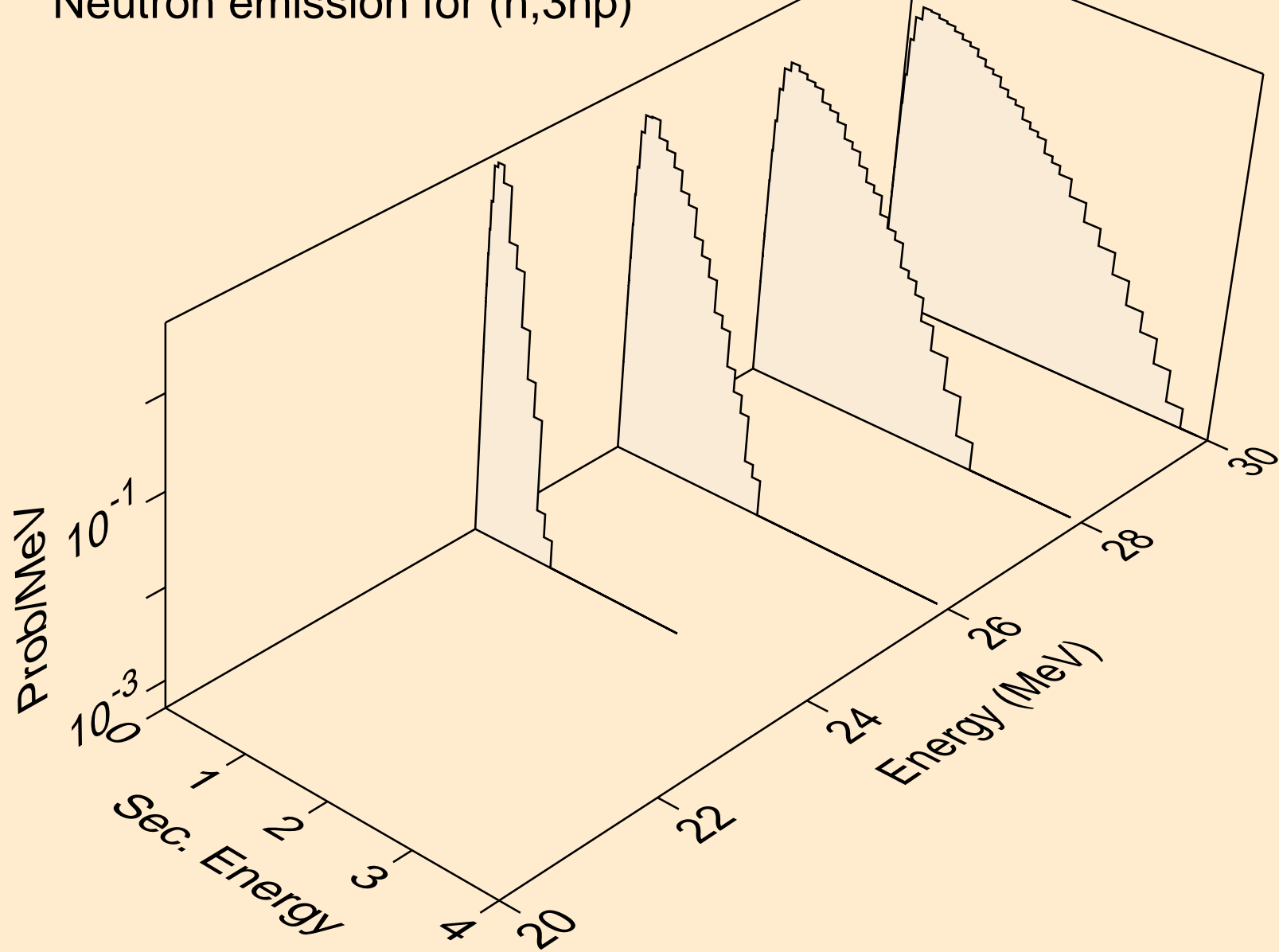
HG185M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,4n)



HG185M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2np)

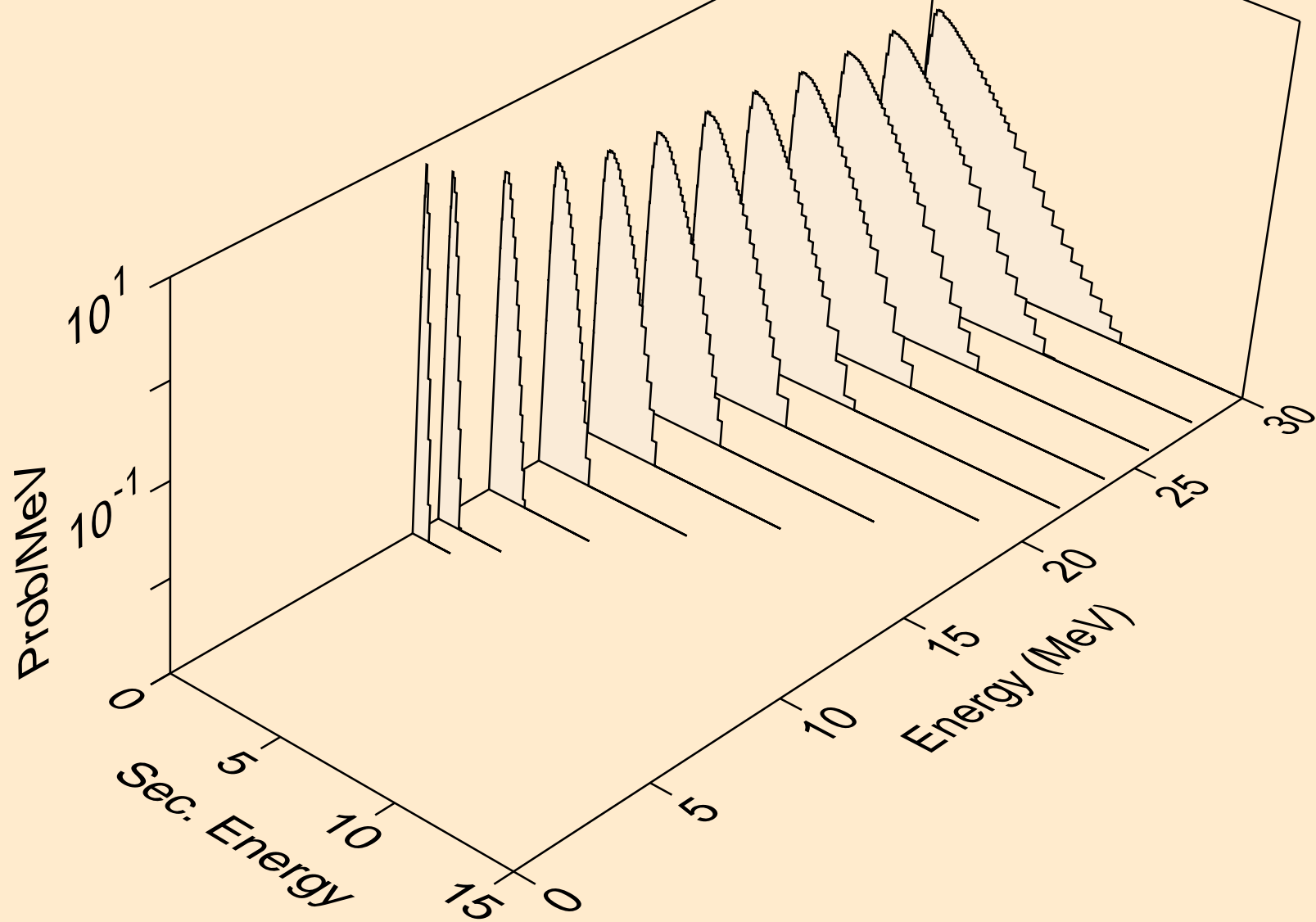


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Neutron emission for (n,3np)

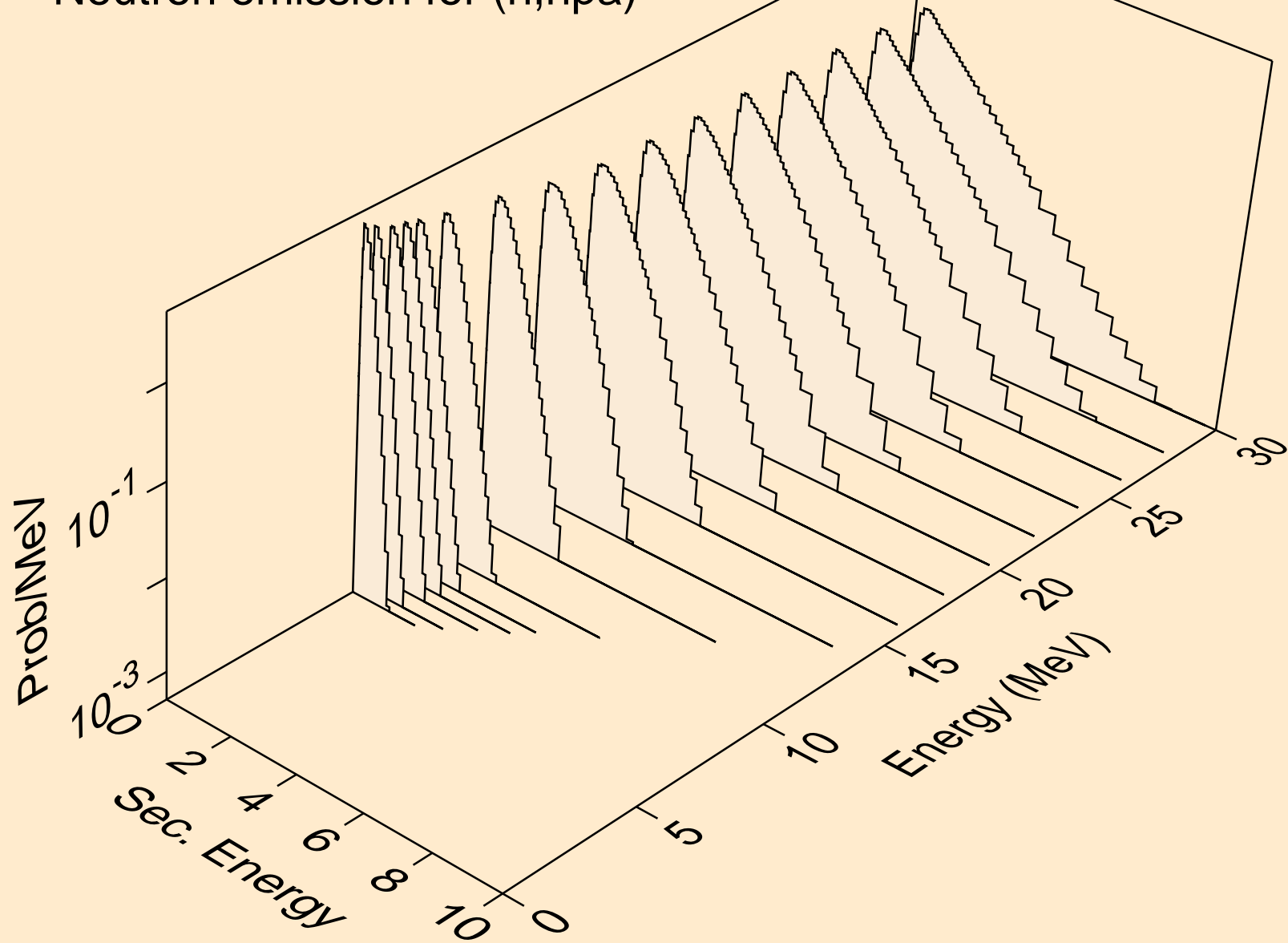




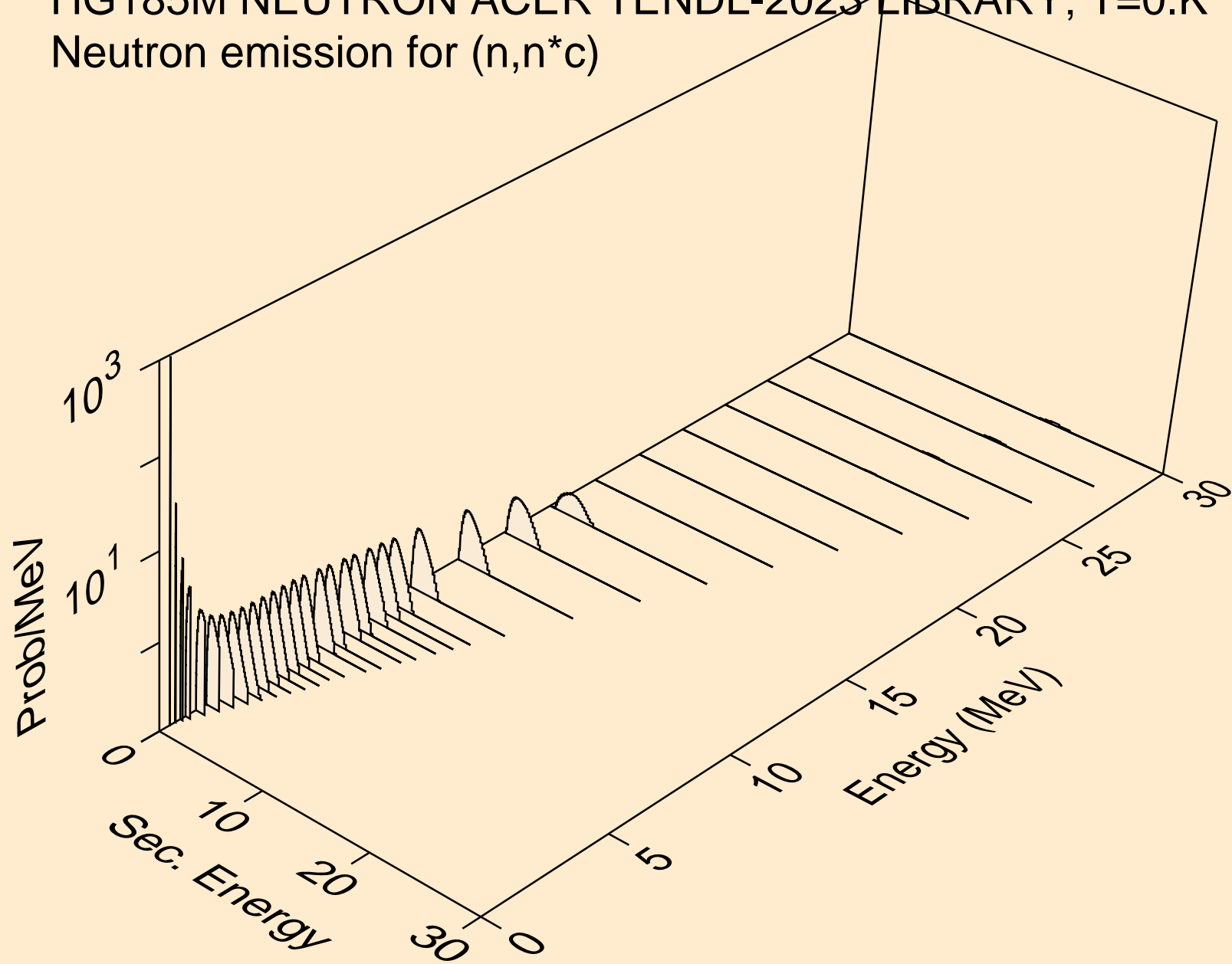
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Neutron emission for (n,n2p)



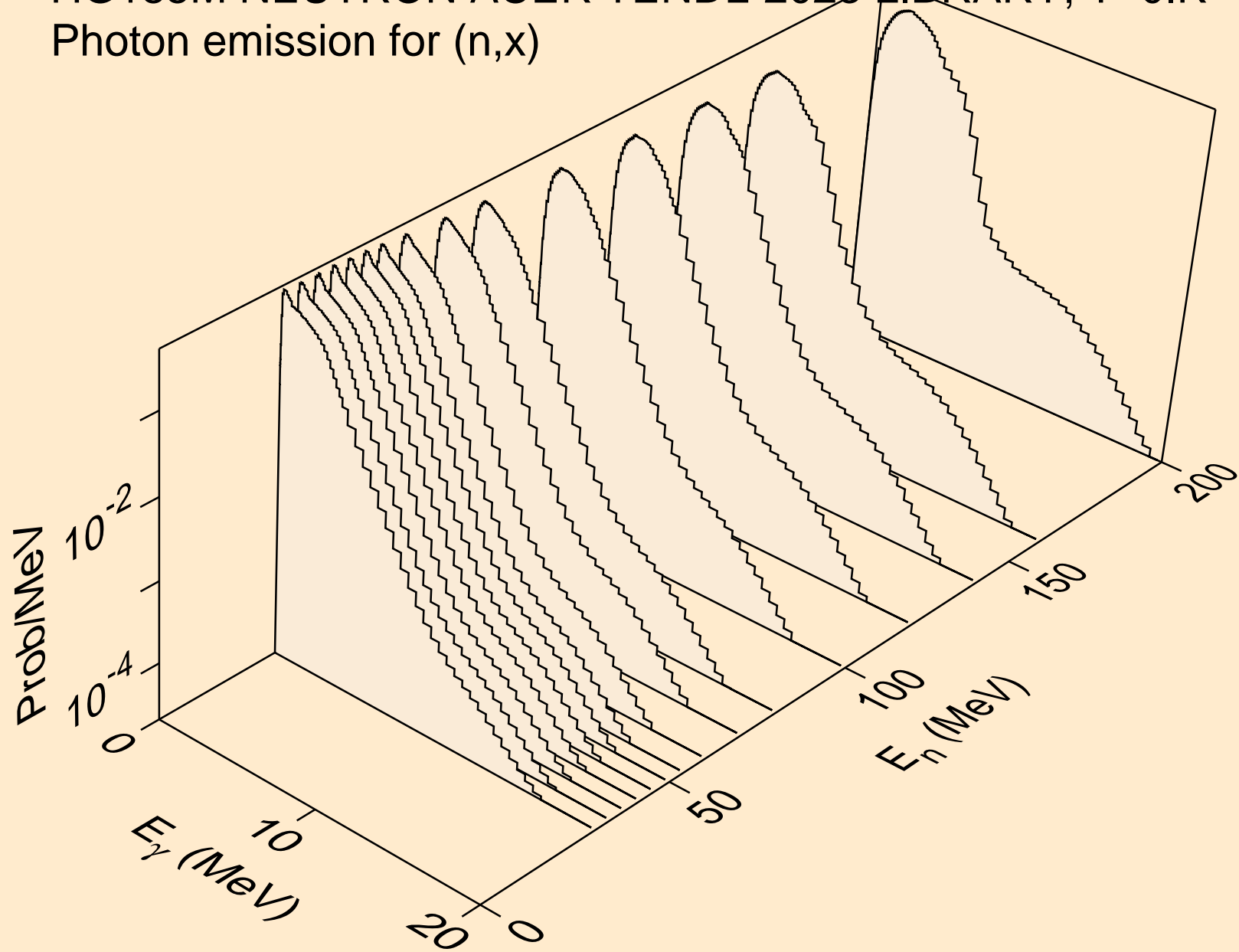
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Neutron emission for (n,npa)



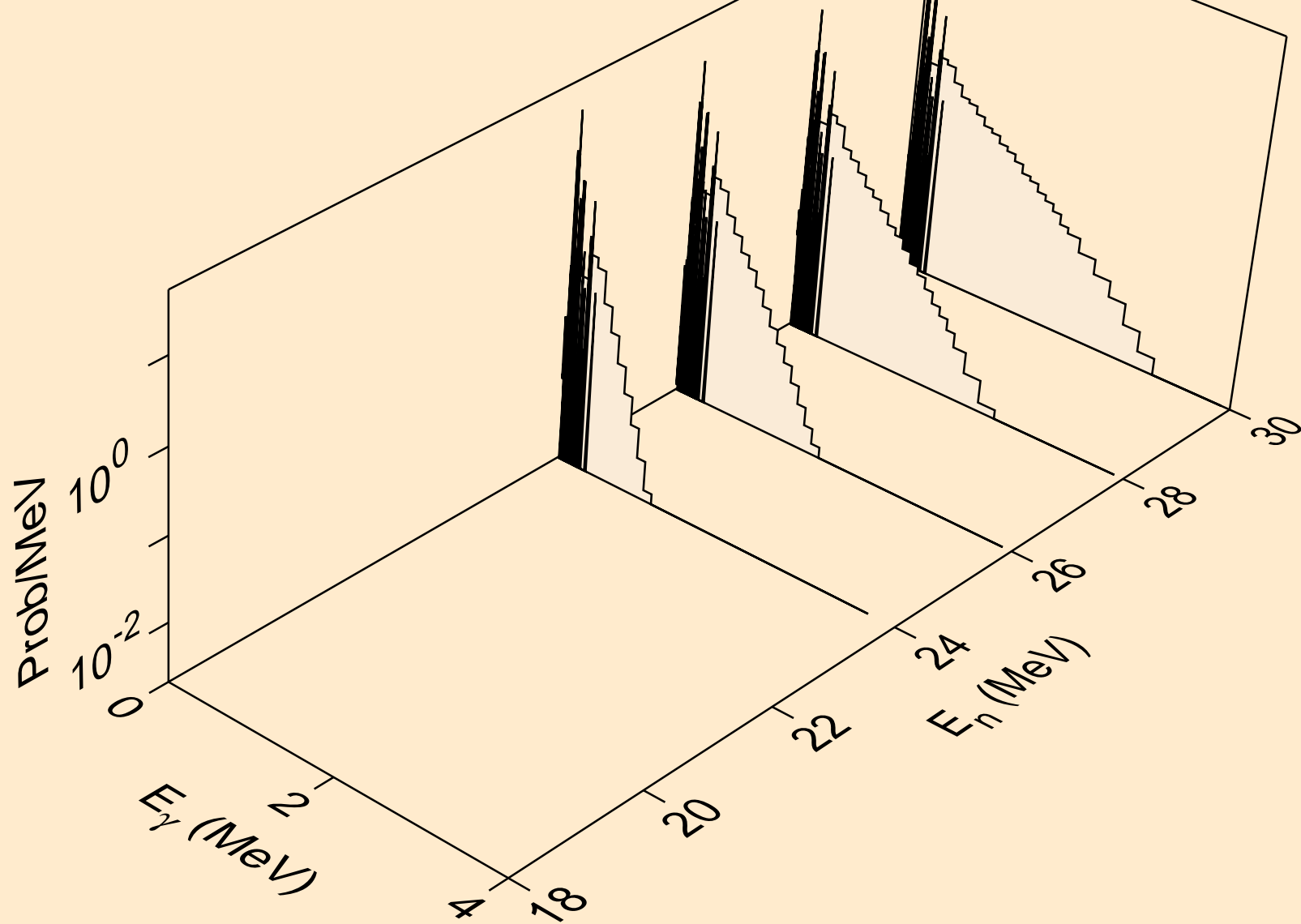
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Neutron emission for (n,n\*c)



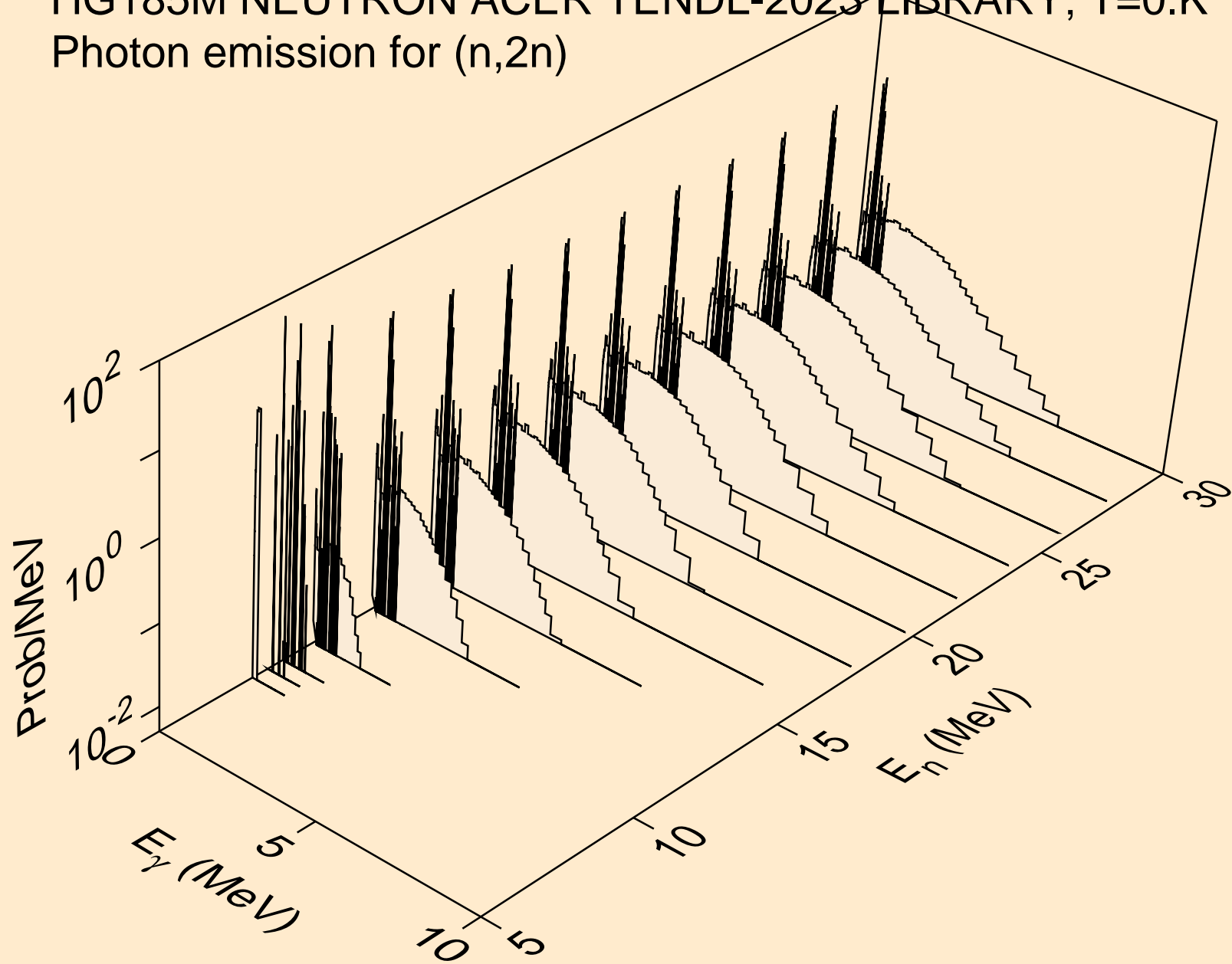
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Photon emission for (n,x)



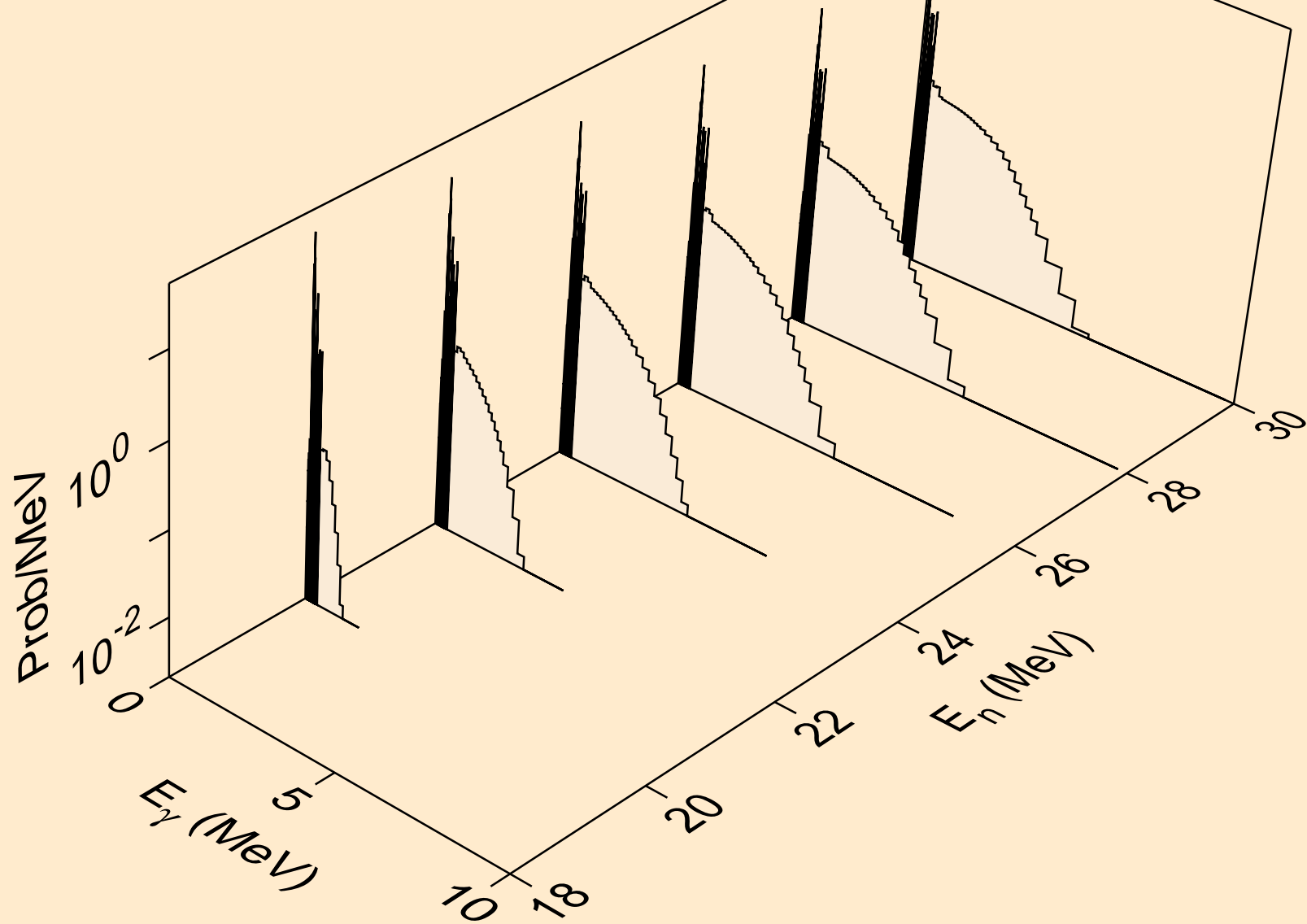
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Photon emission for (n,2nd)



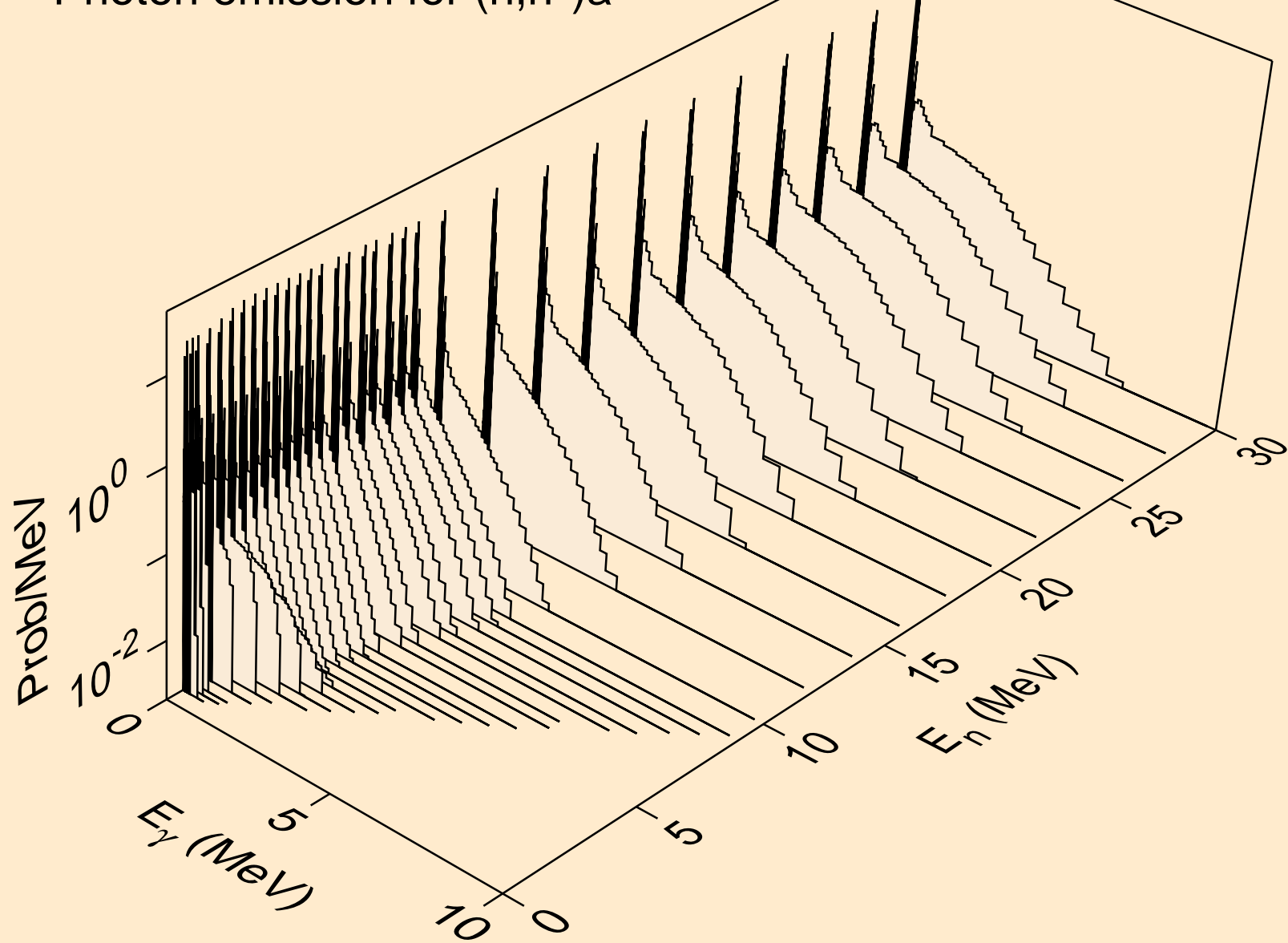
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Photon emission for (n,2n)



HG185M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)

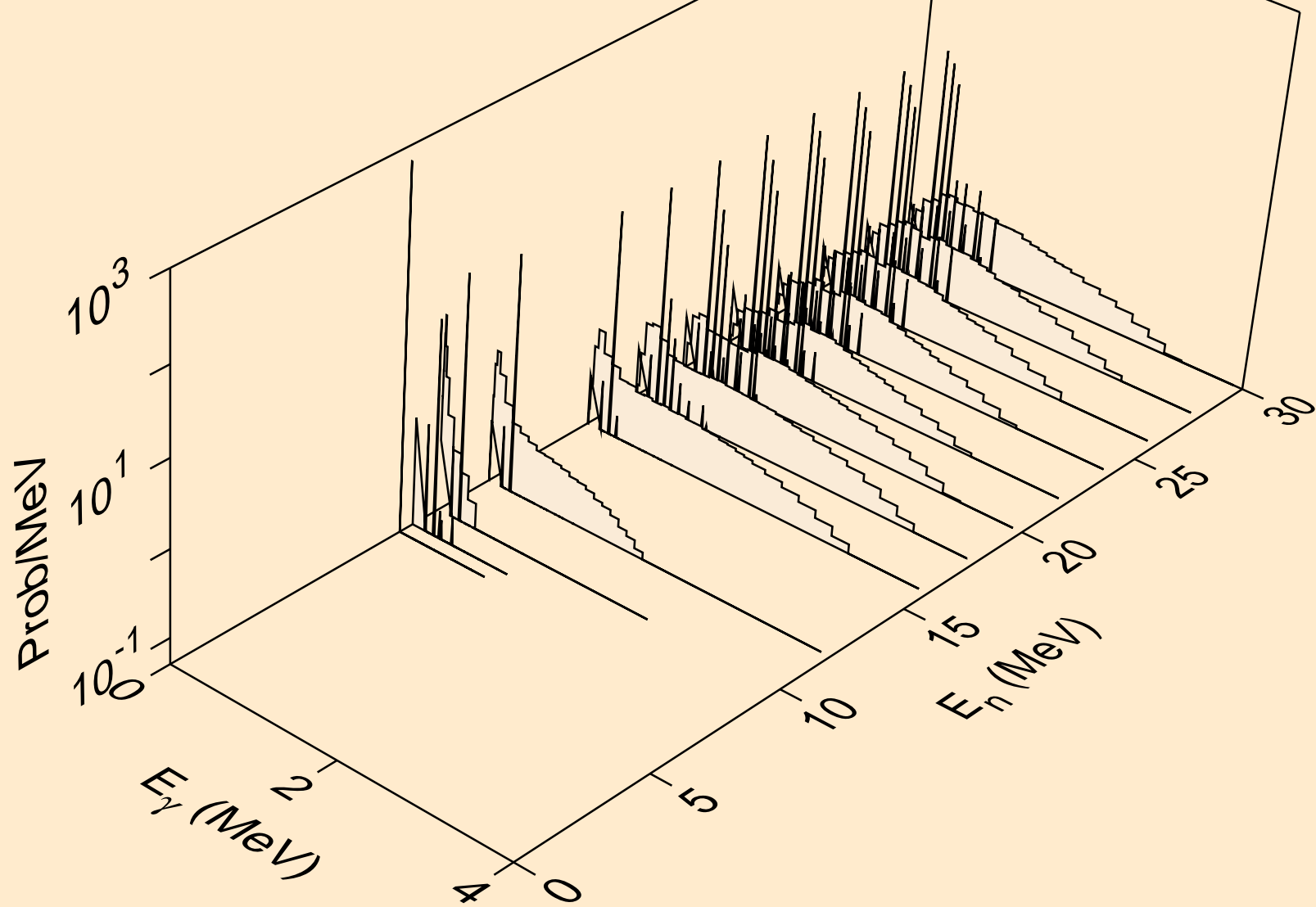


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Photon emission for (n,n\*)a

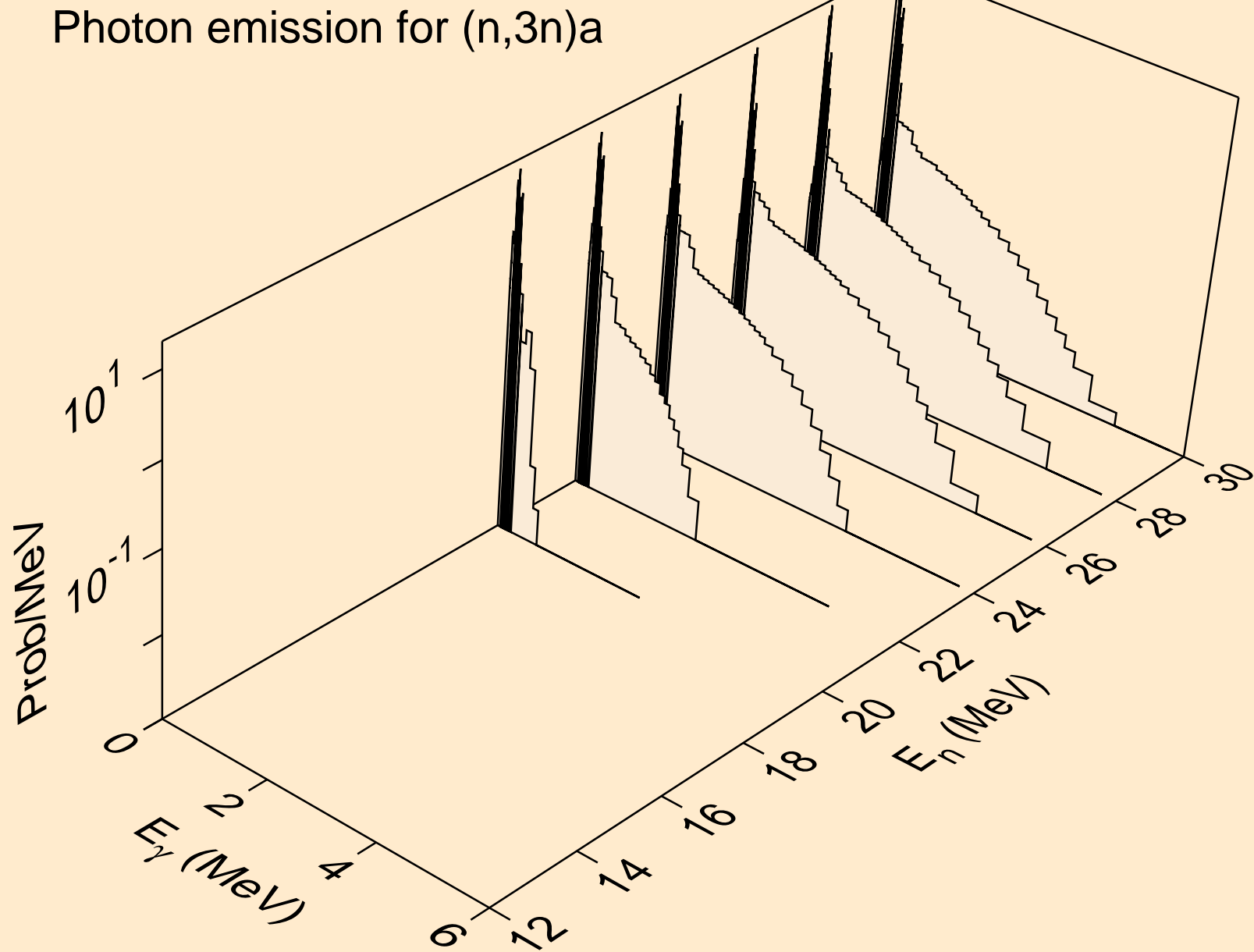




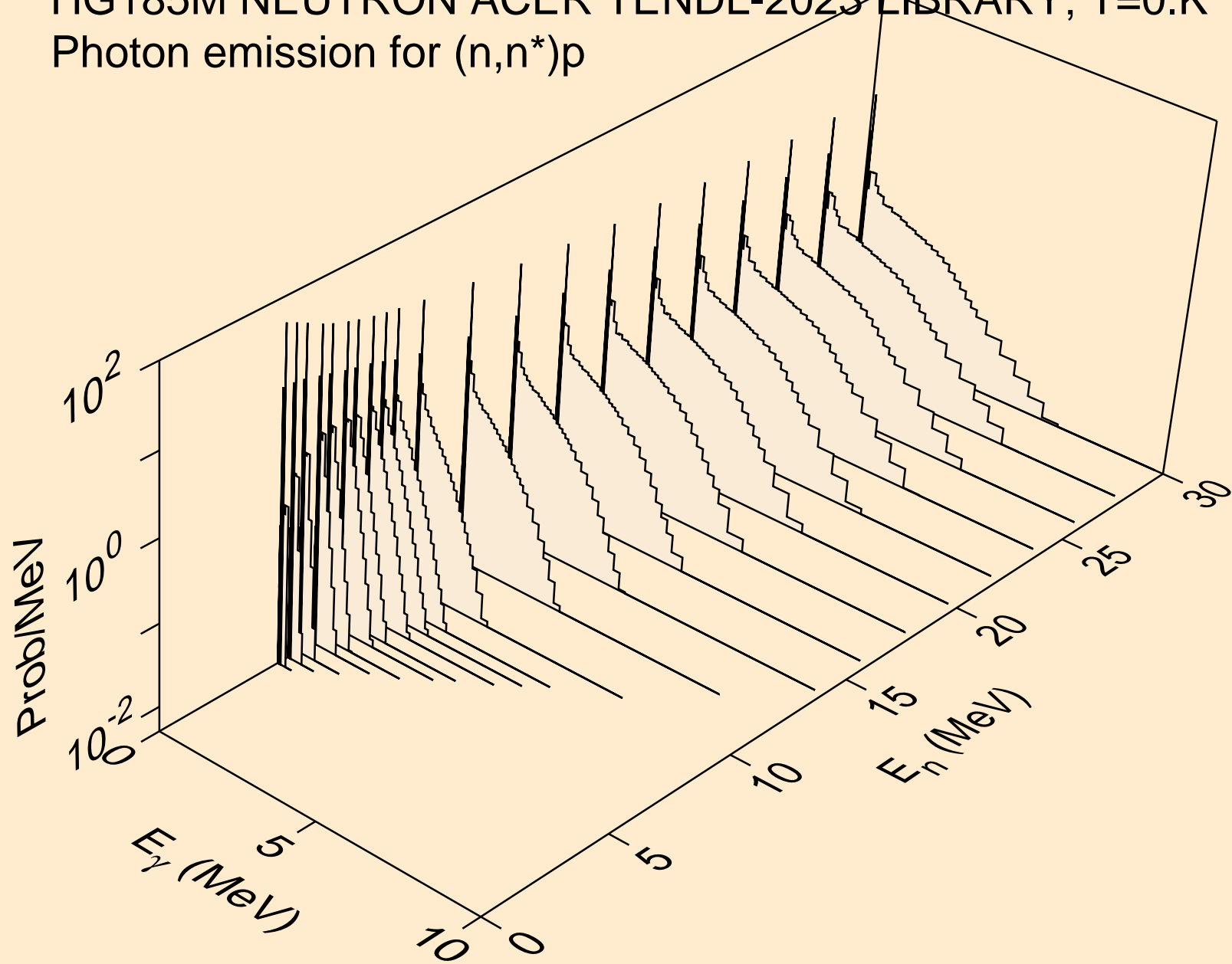
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Photon emission for (n,2n)a



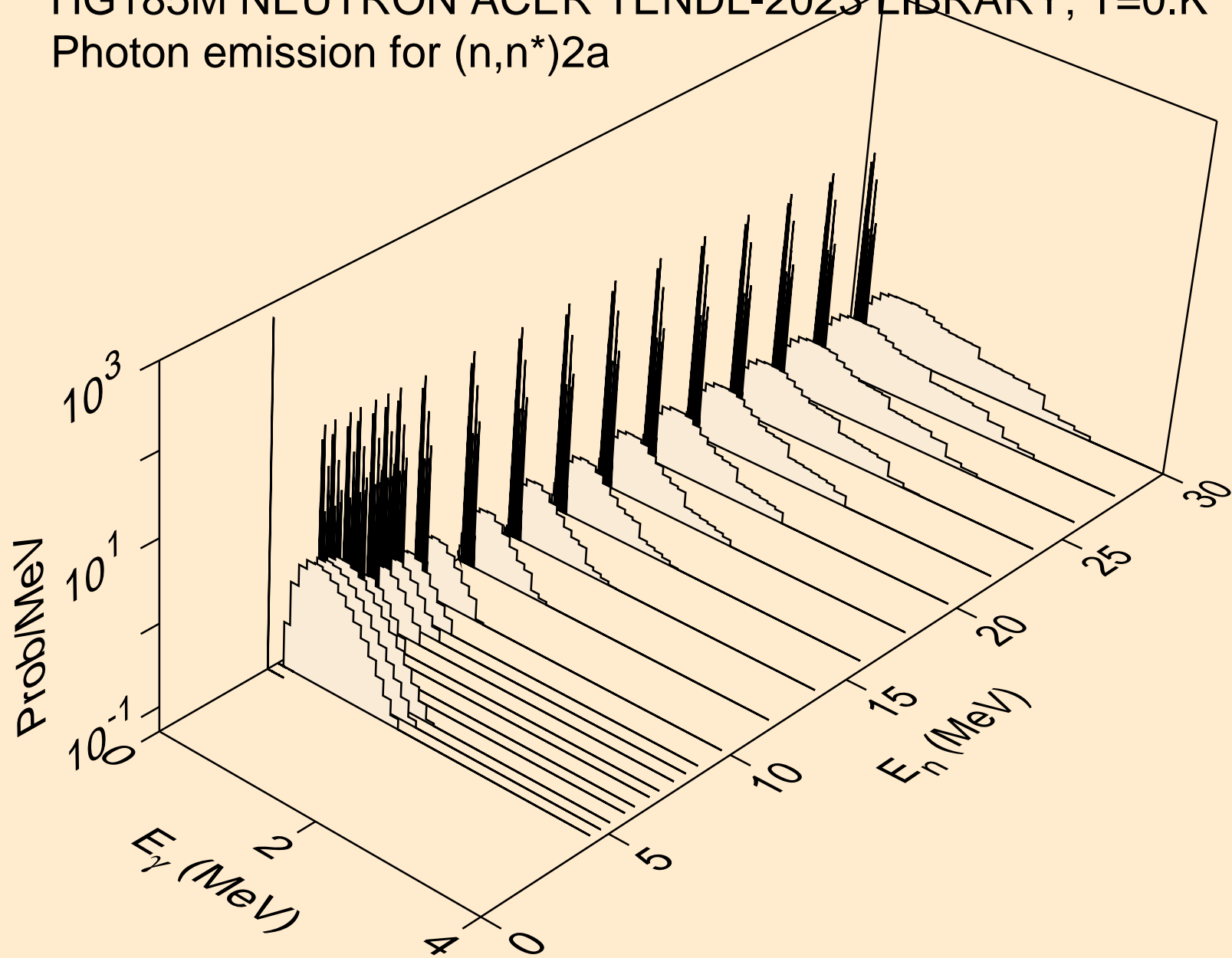
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Photon emission for (n,3n)a



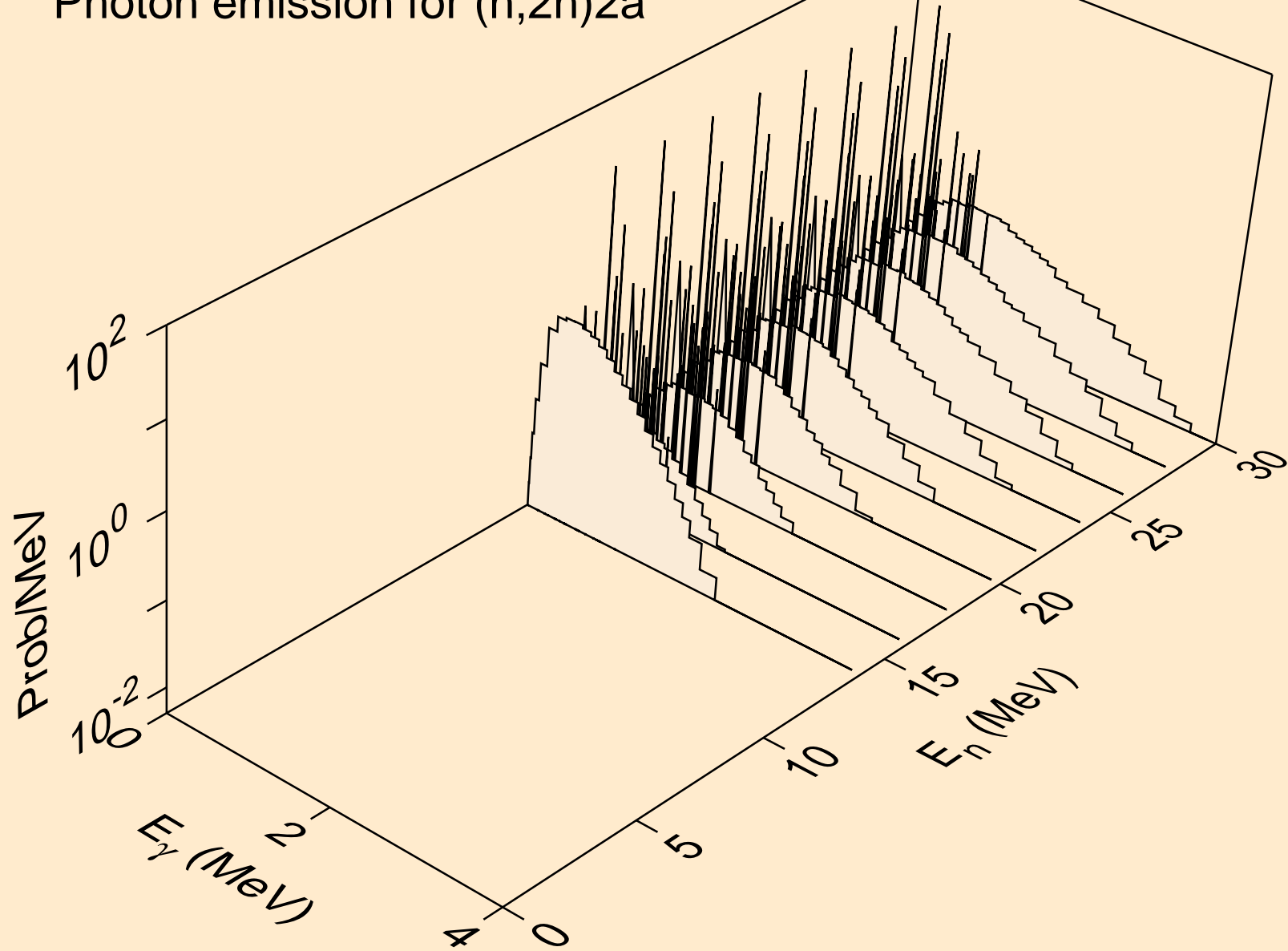
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Photon emission for (n,n\*)p



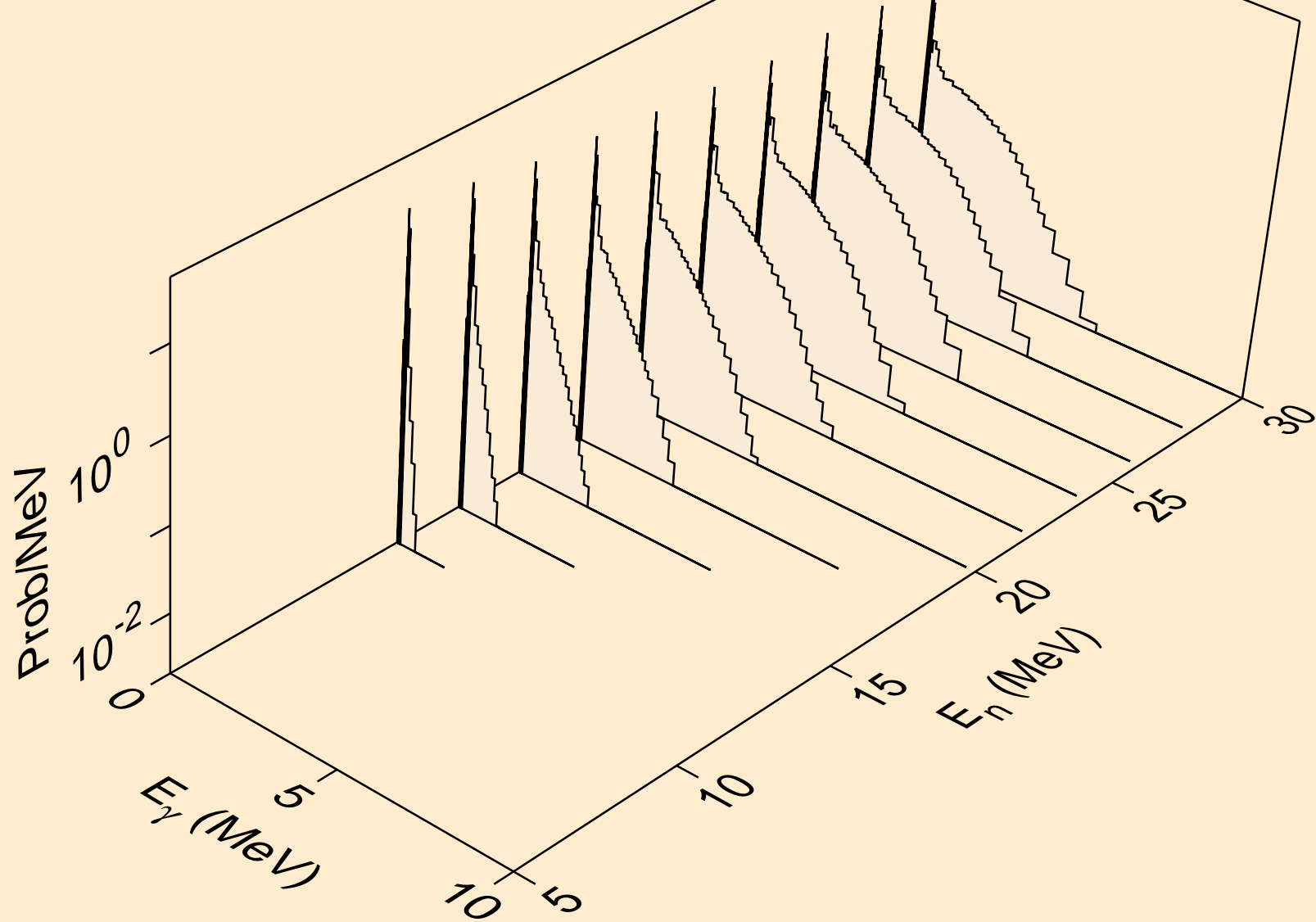
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Photon emission for (n,n\*)2a



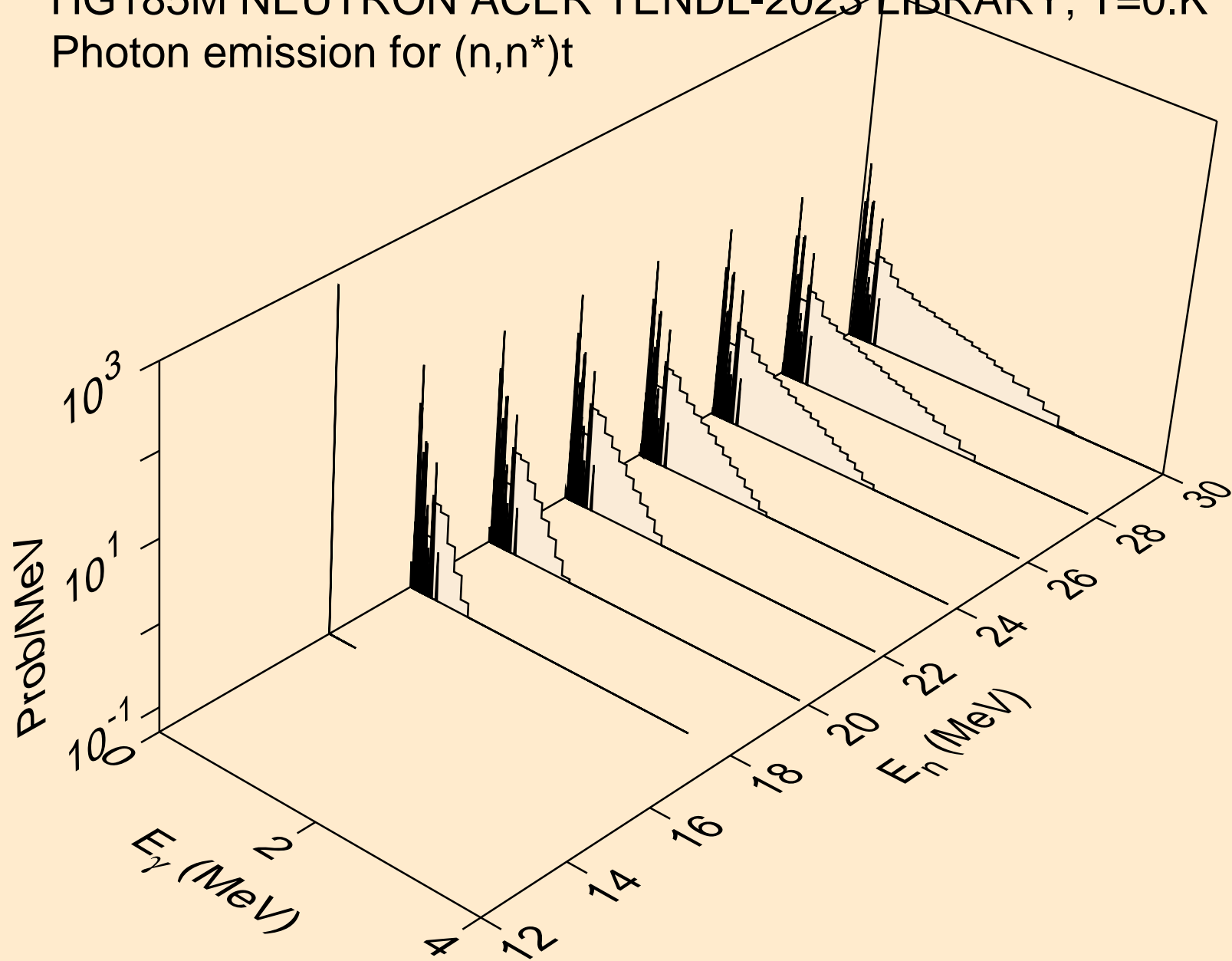
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Photon emission for (n,2n)2a



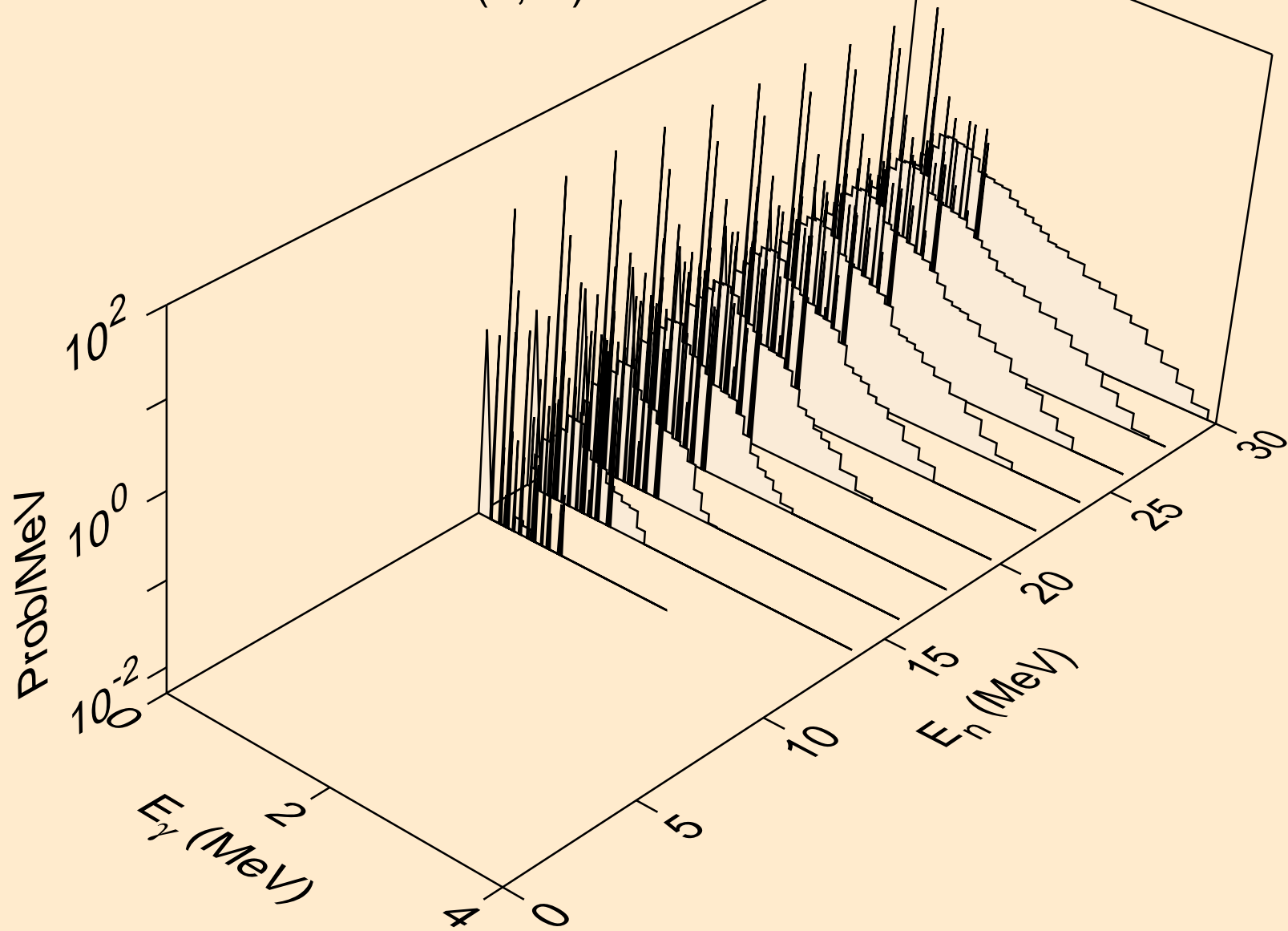
HG185M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



HG185M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t

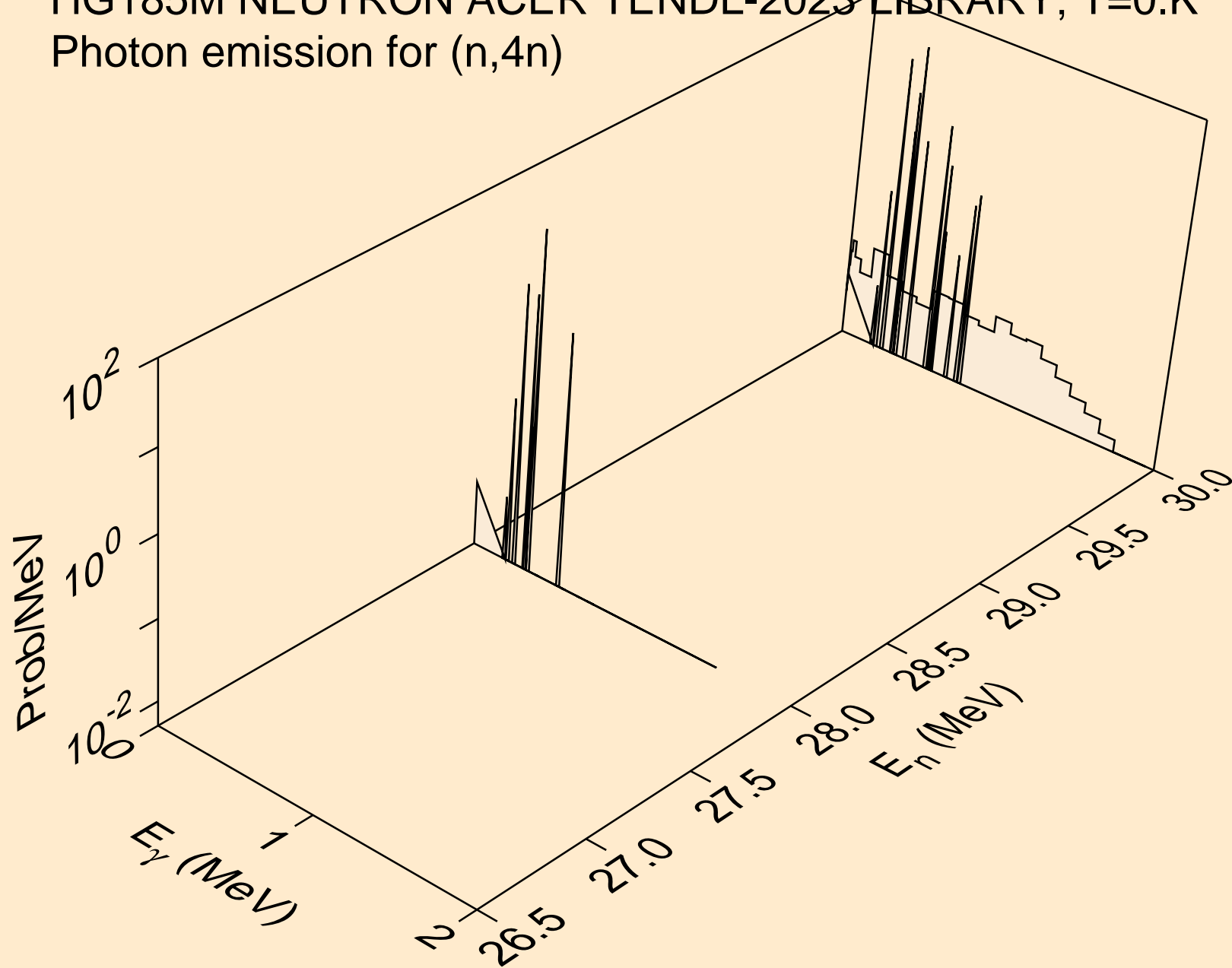


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Photon emission for (n,n\*)he3

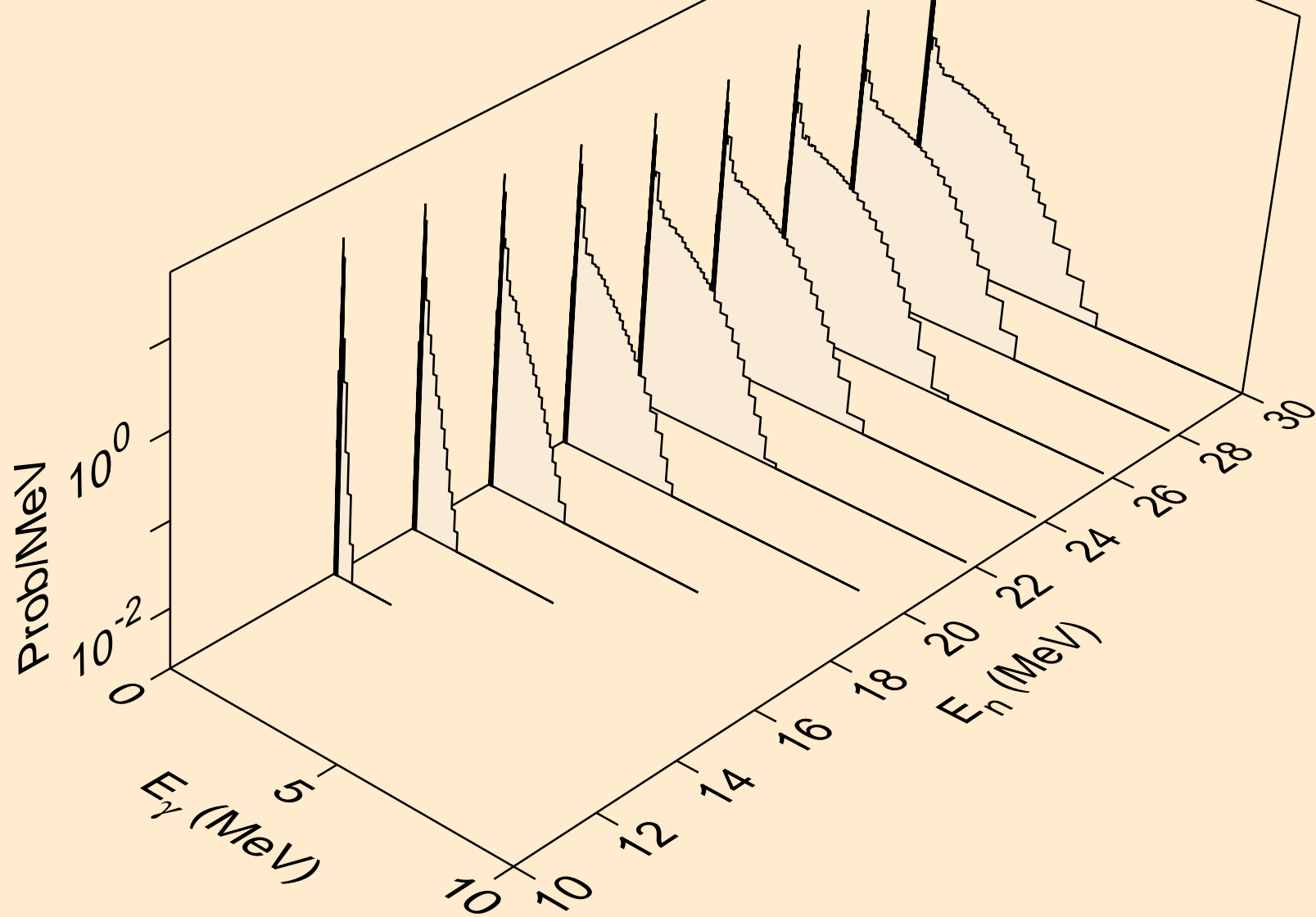




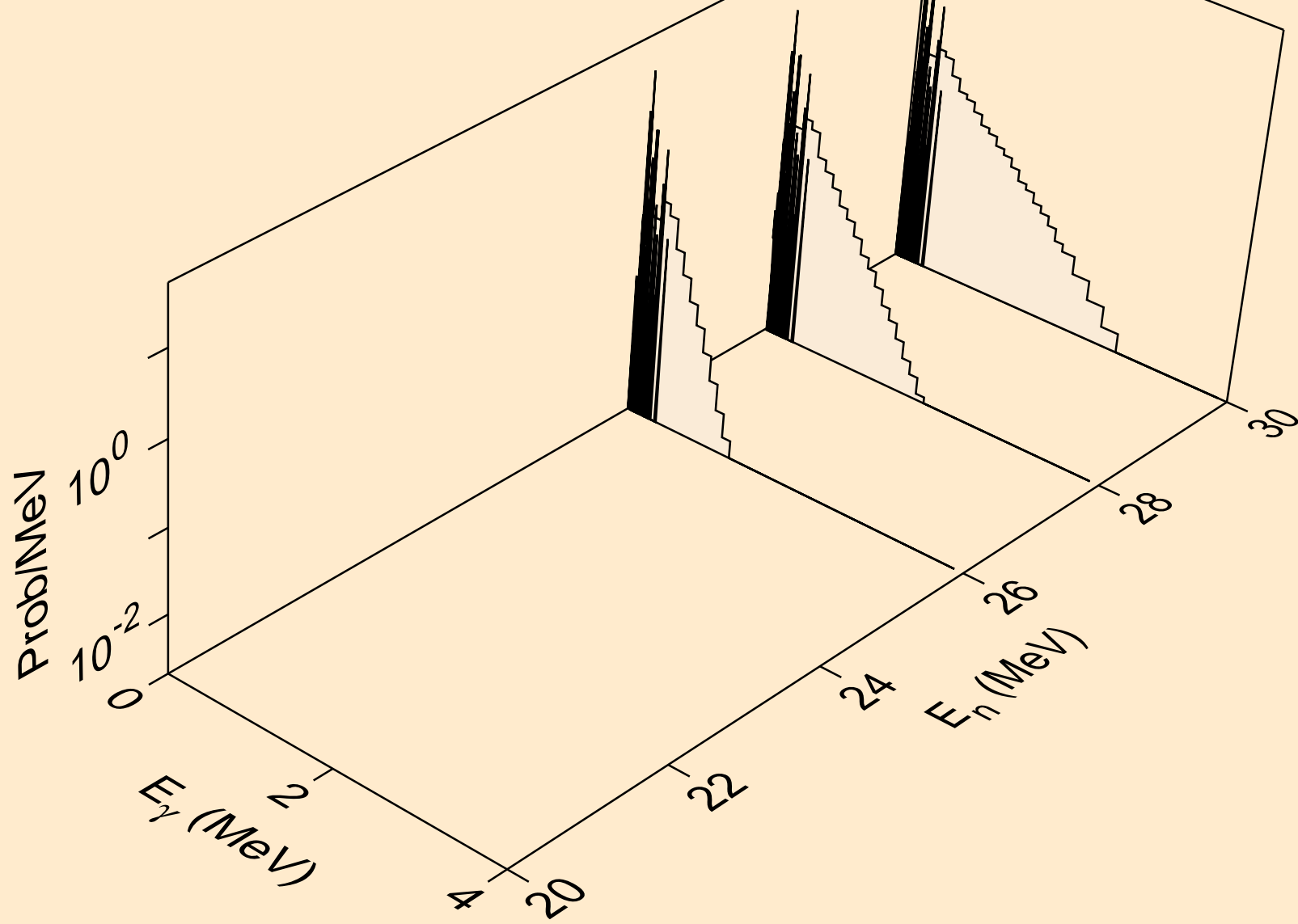
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Photon emission for (n,4n)



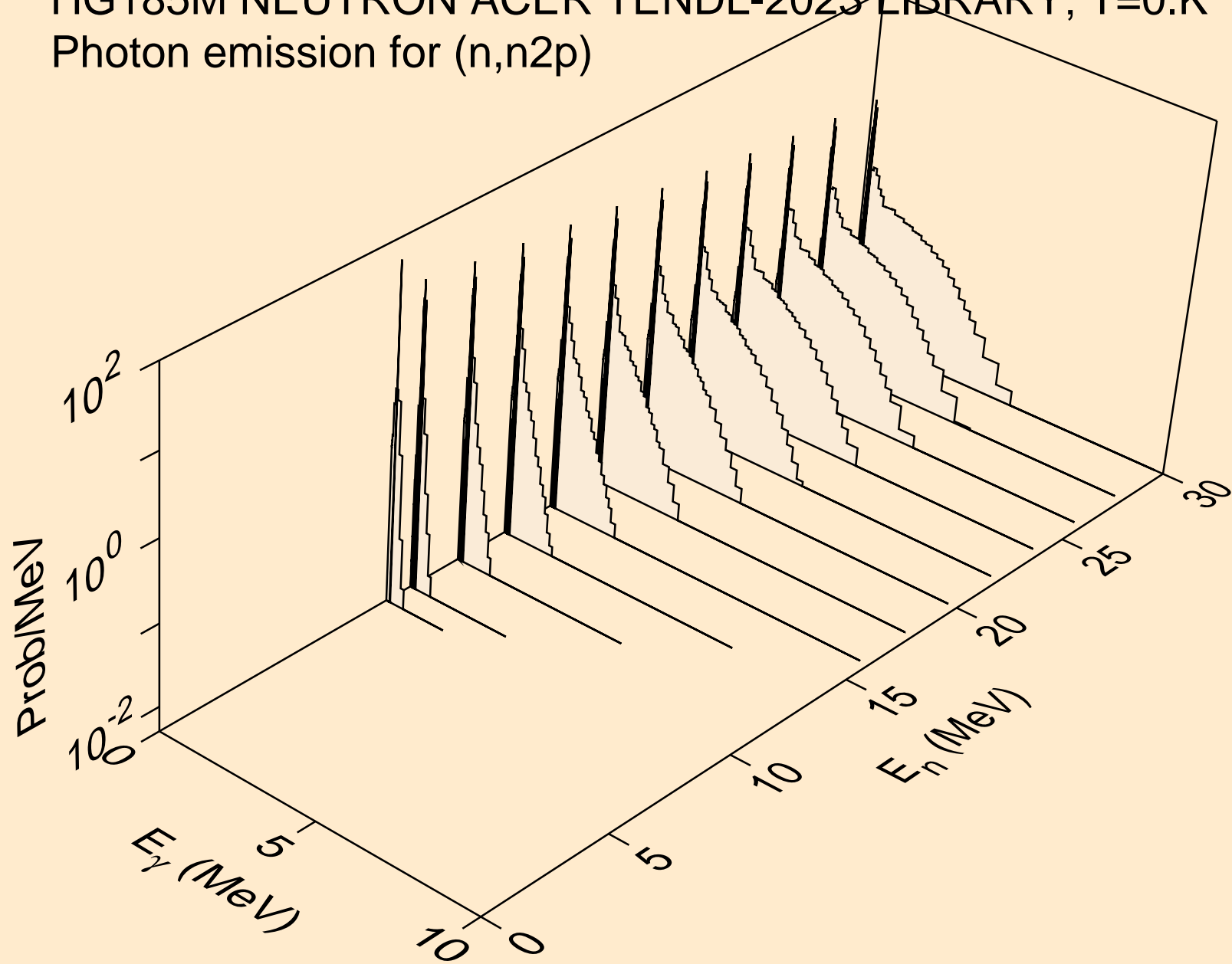
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Photon emission for (n,2np)



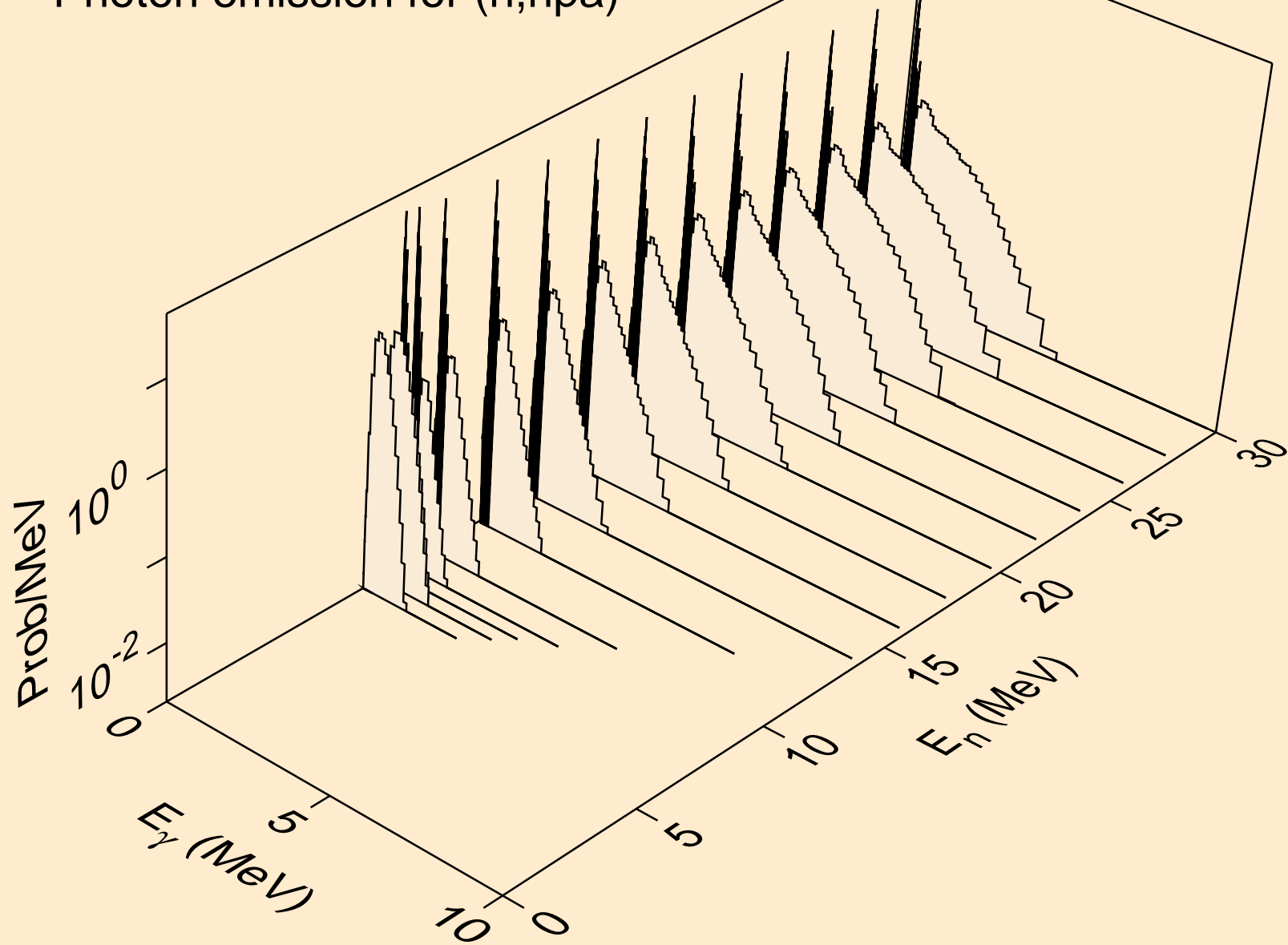
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Photon emission for (n,3np)



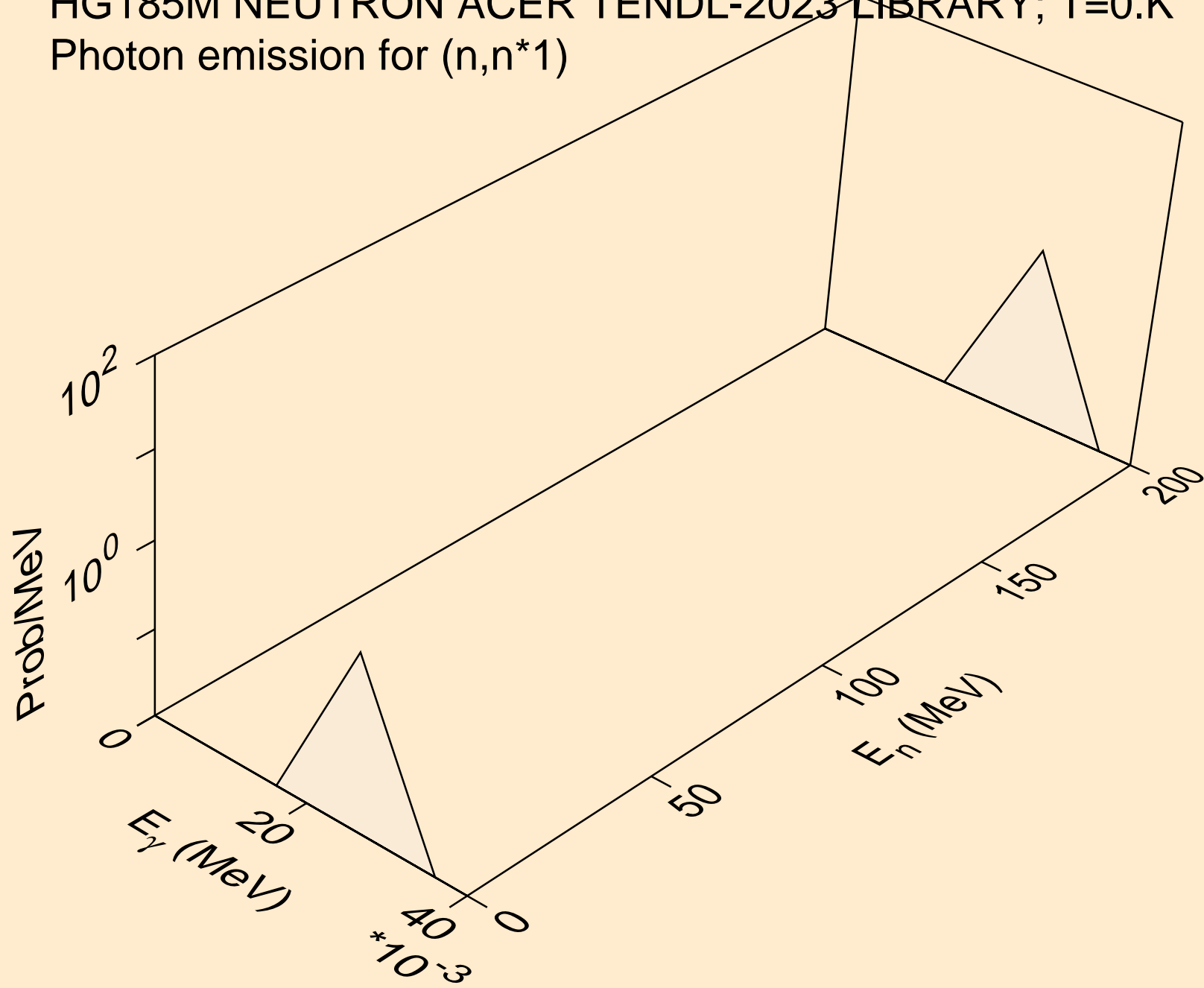
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Photon emission for (n,n2p)



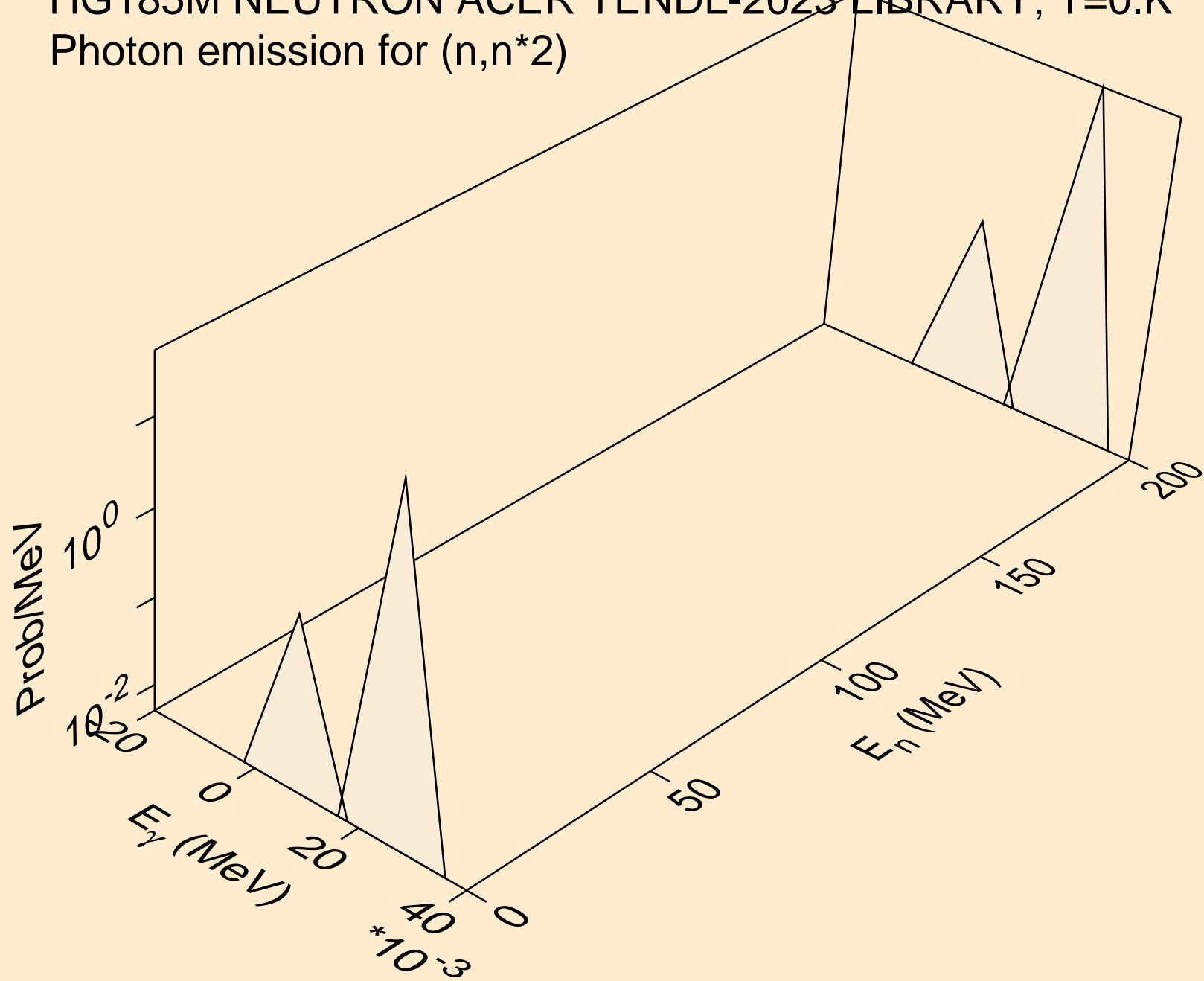
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Photon emission for (n,npa)



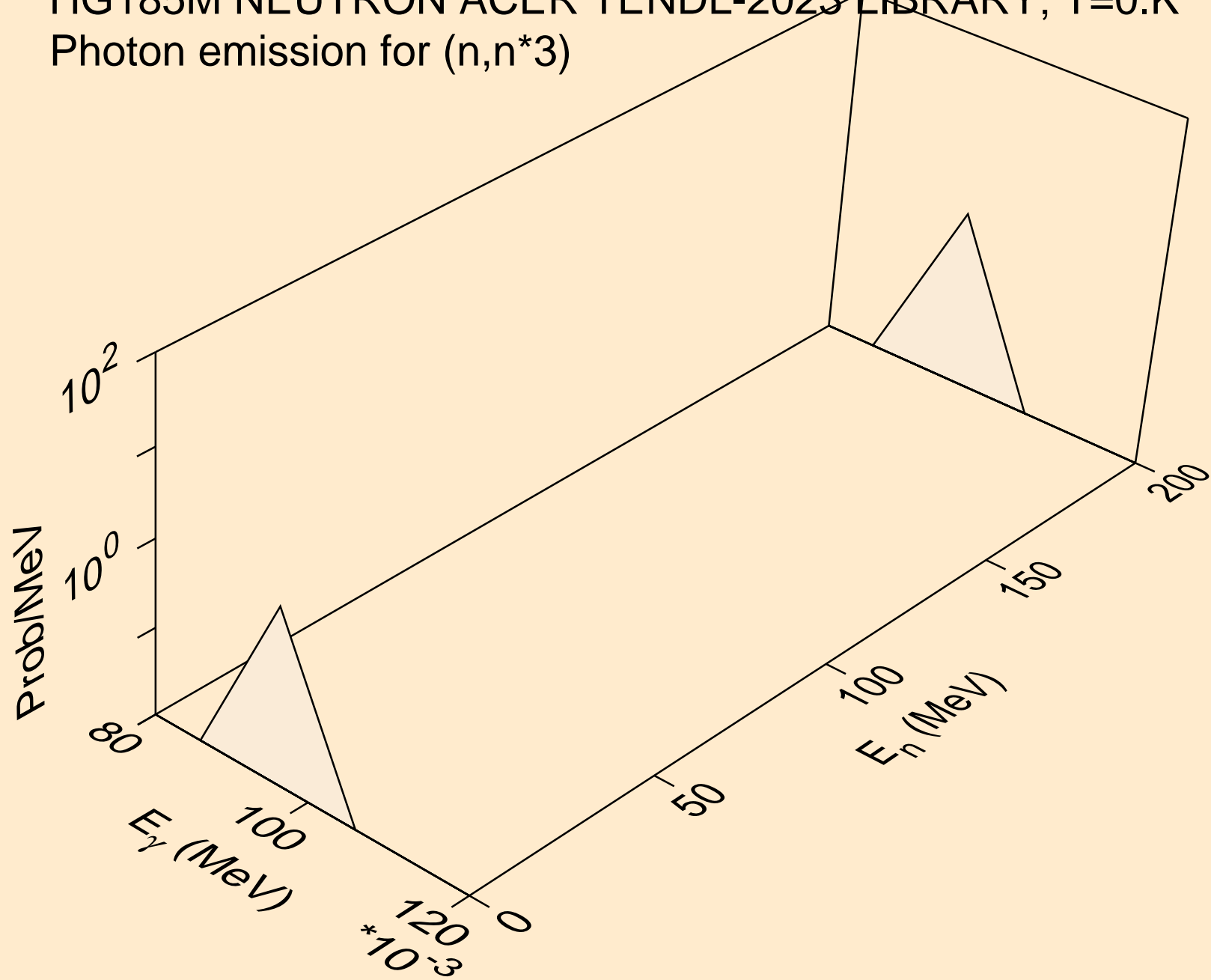
HG185M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*1)



HG185M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*2)

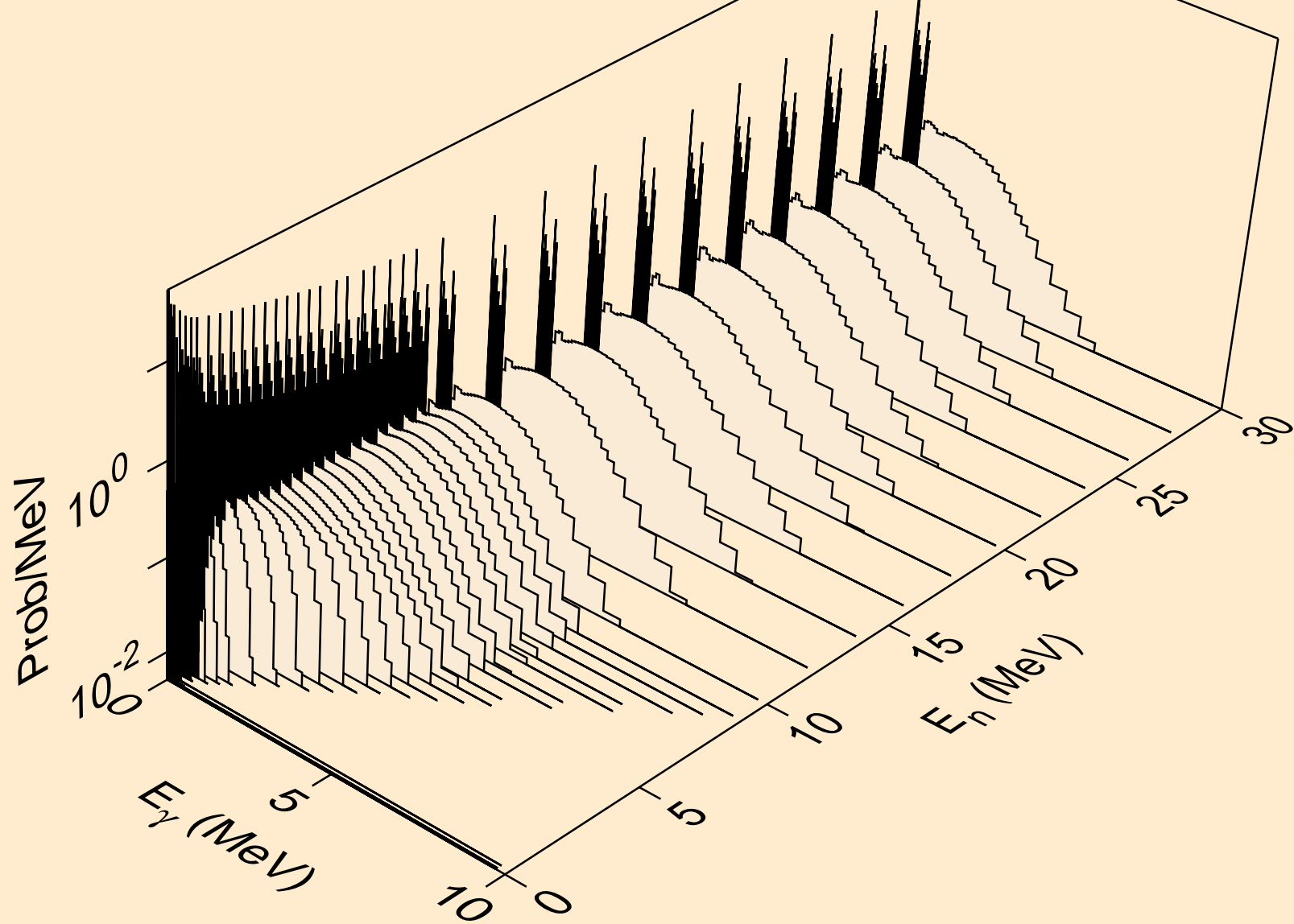


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Photon emission for (n,n\*3)

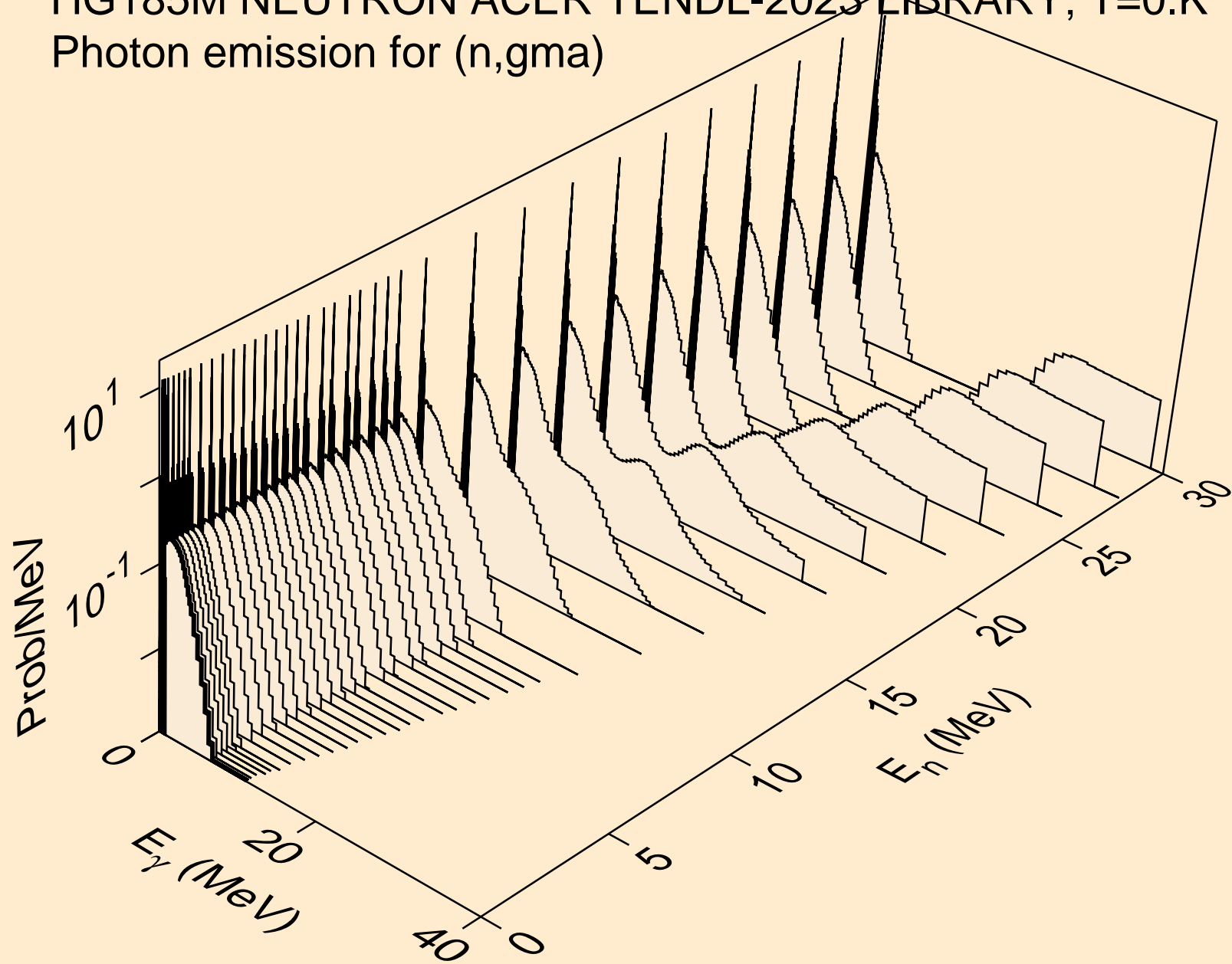




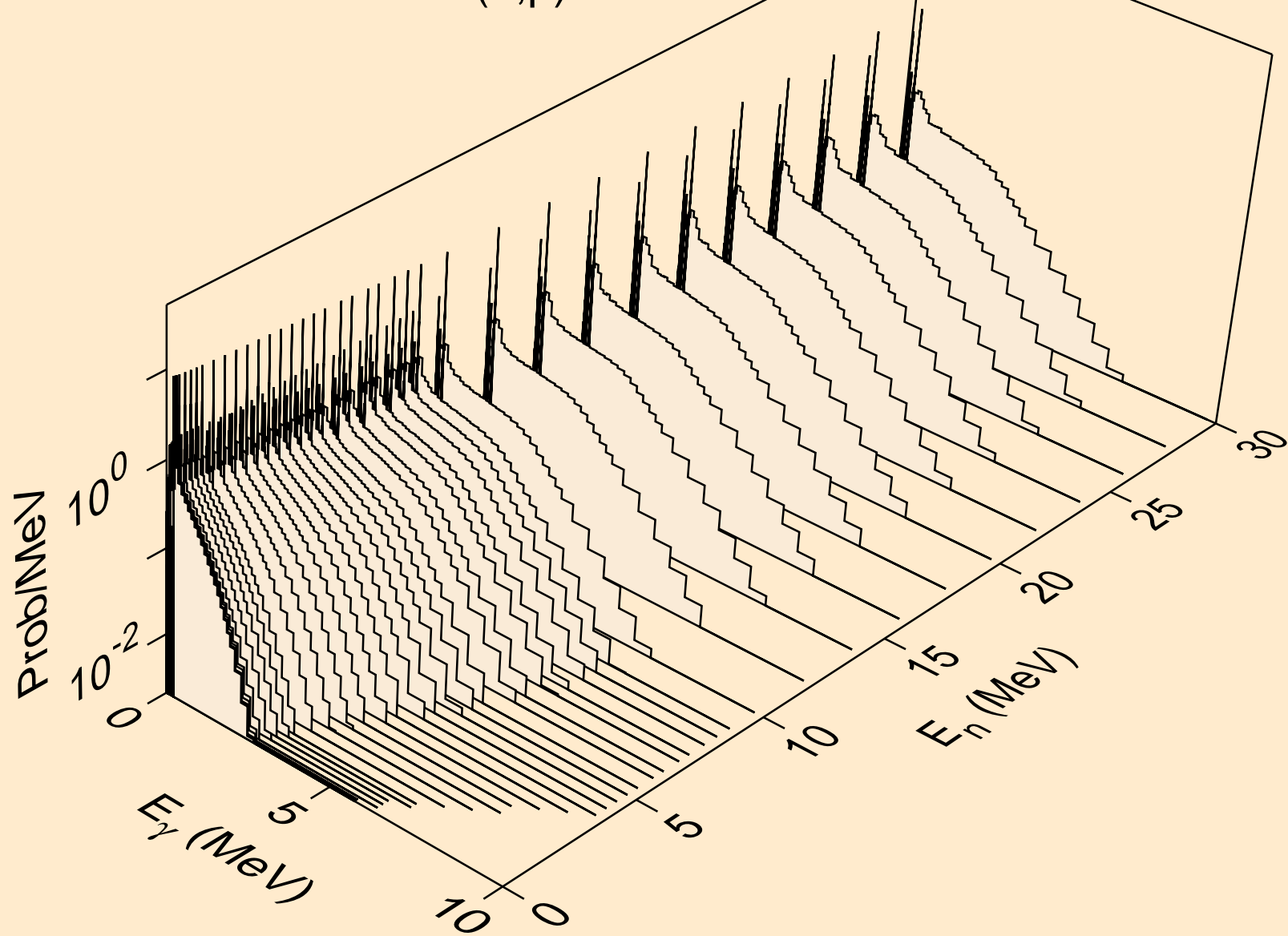
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Photon emission for (n,n\*c)



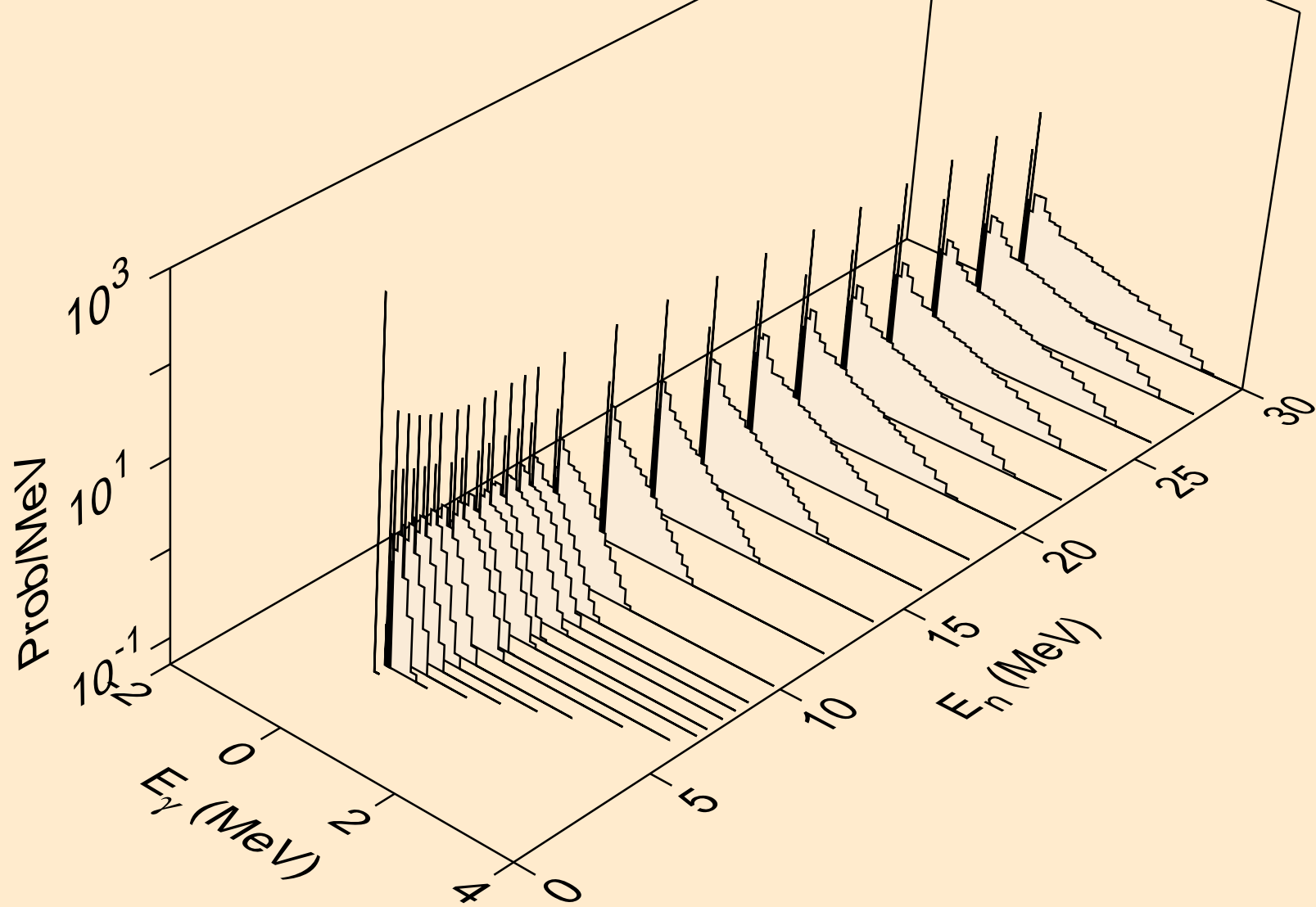
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Photon emission for (n,gma)



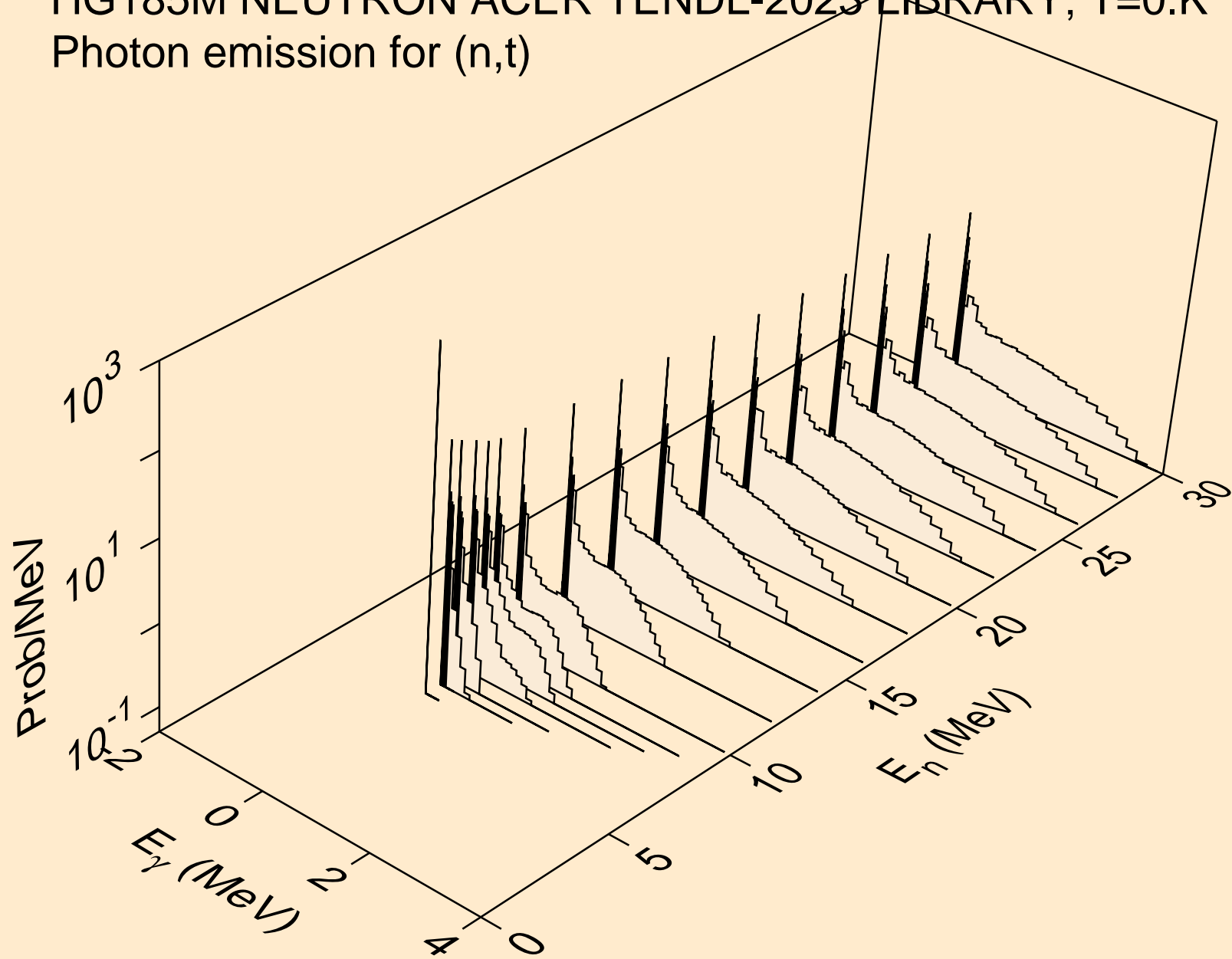
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Photon emission for (n,p)



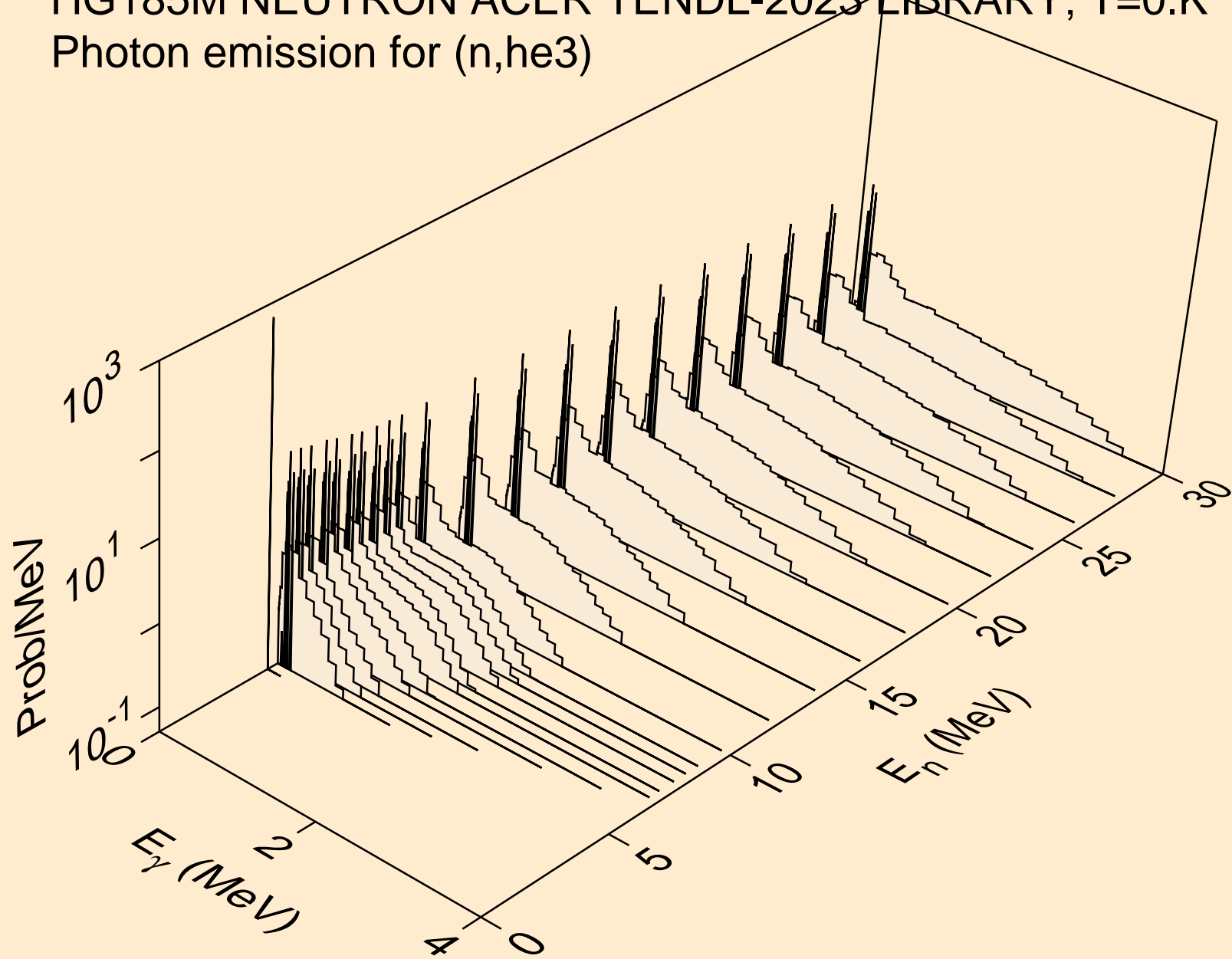
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Photon emission for (n,d)



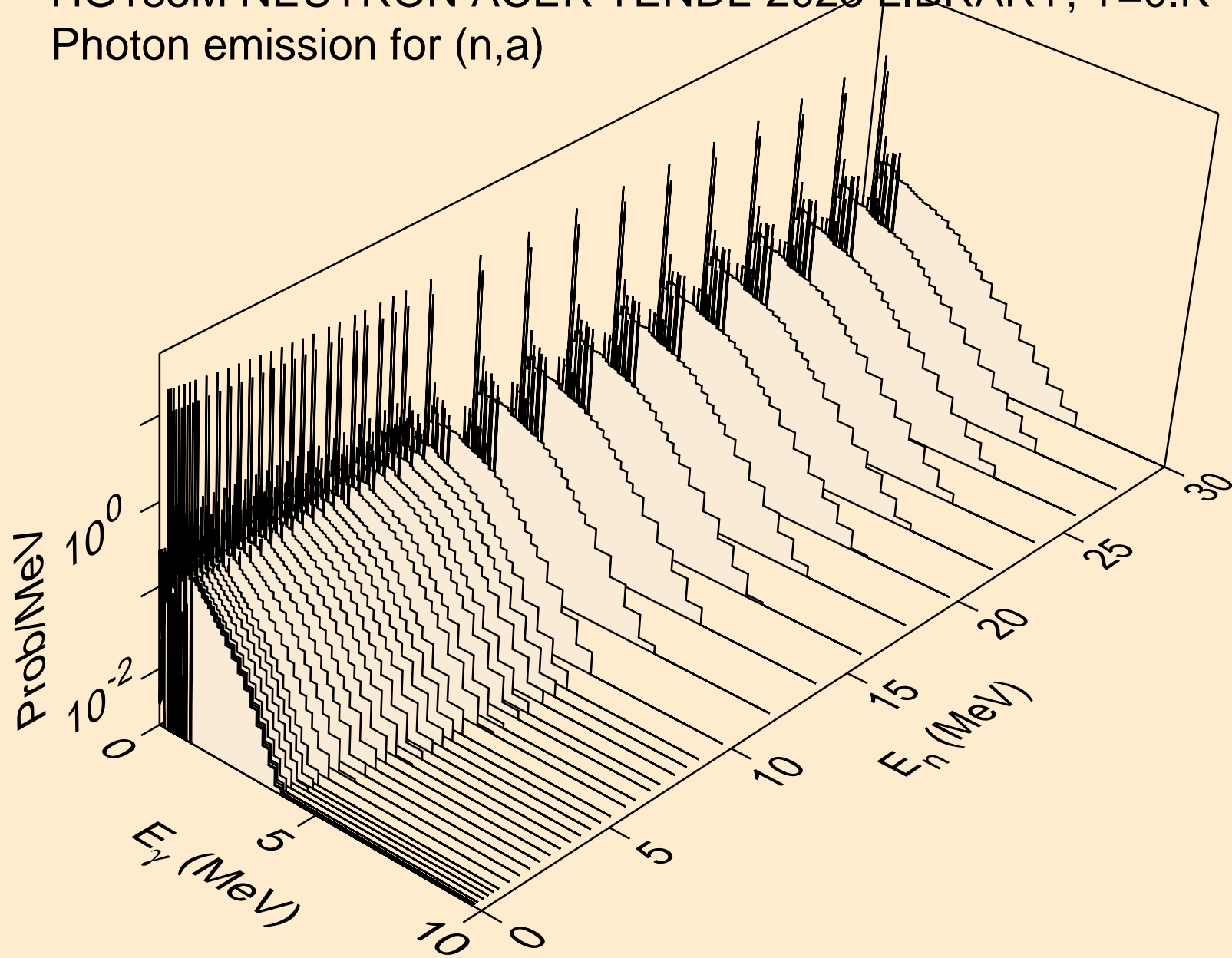
HG185M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)



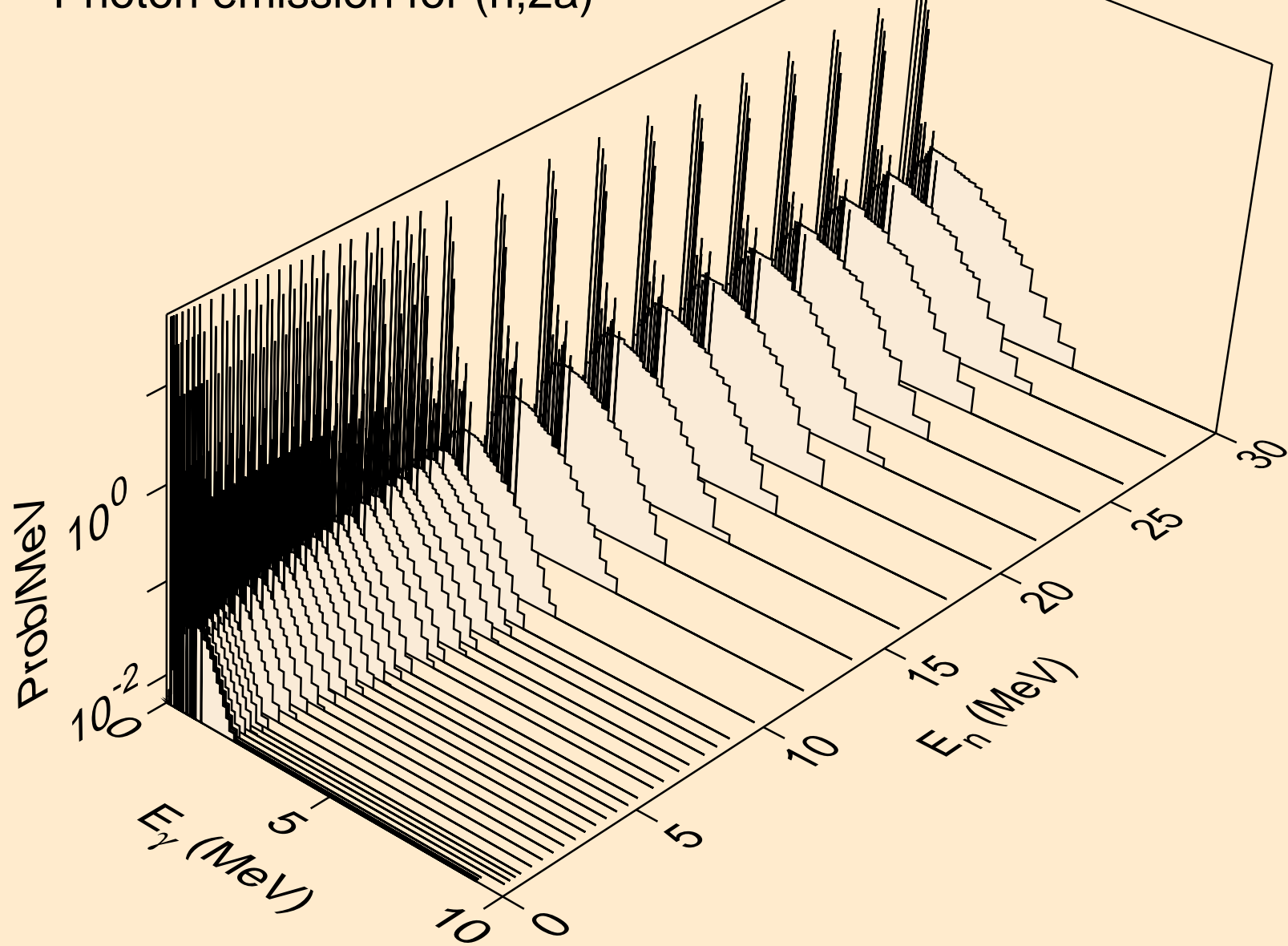
HG185M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)



HG185M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)

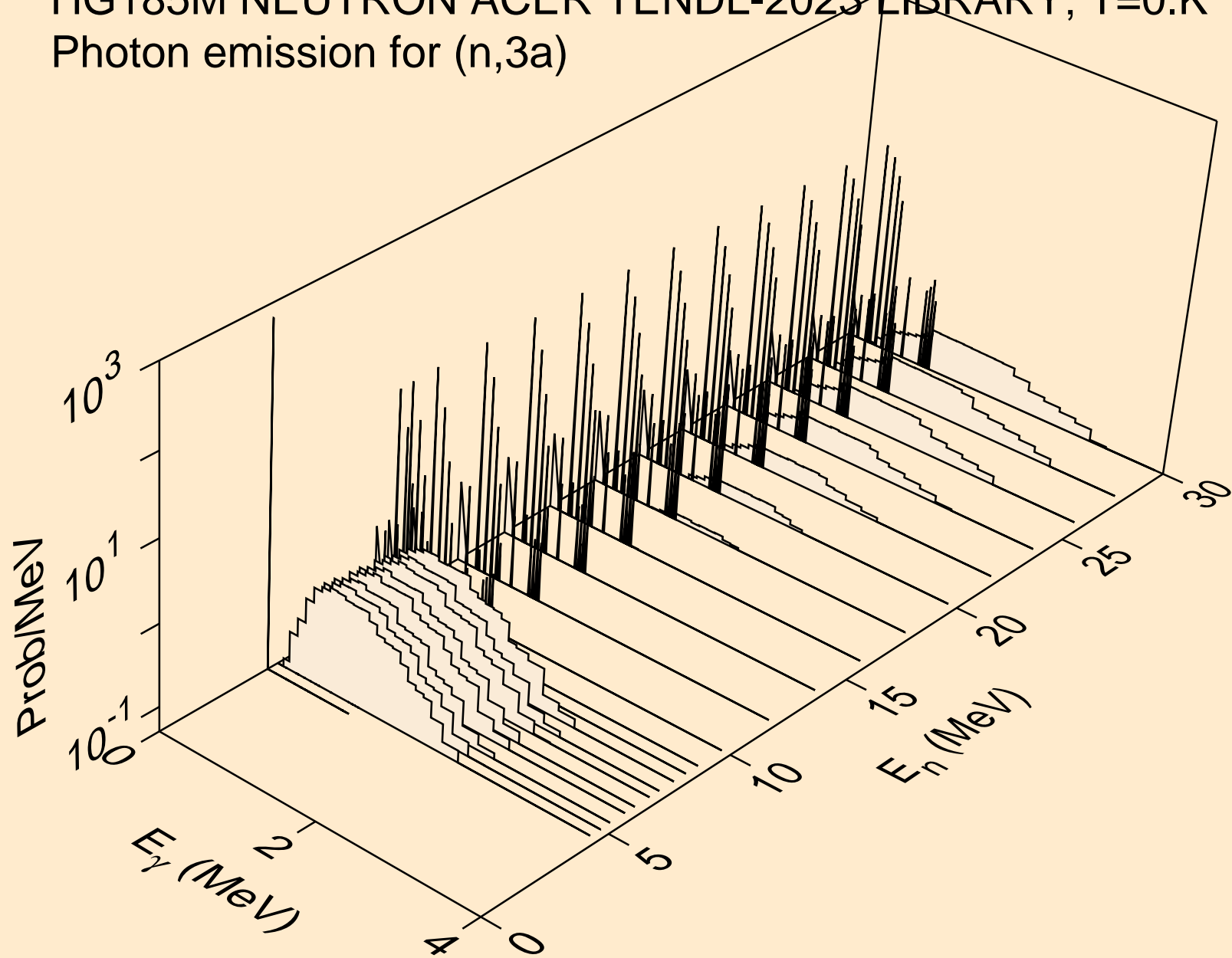


HG185M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2a)

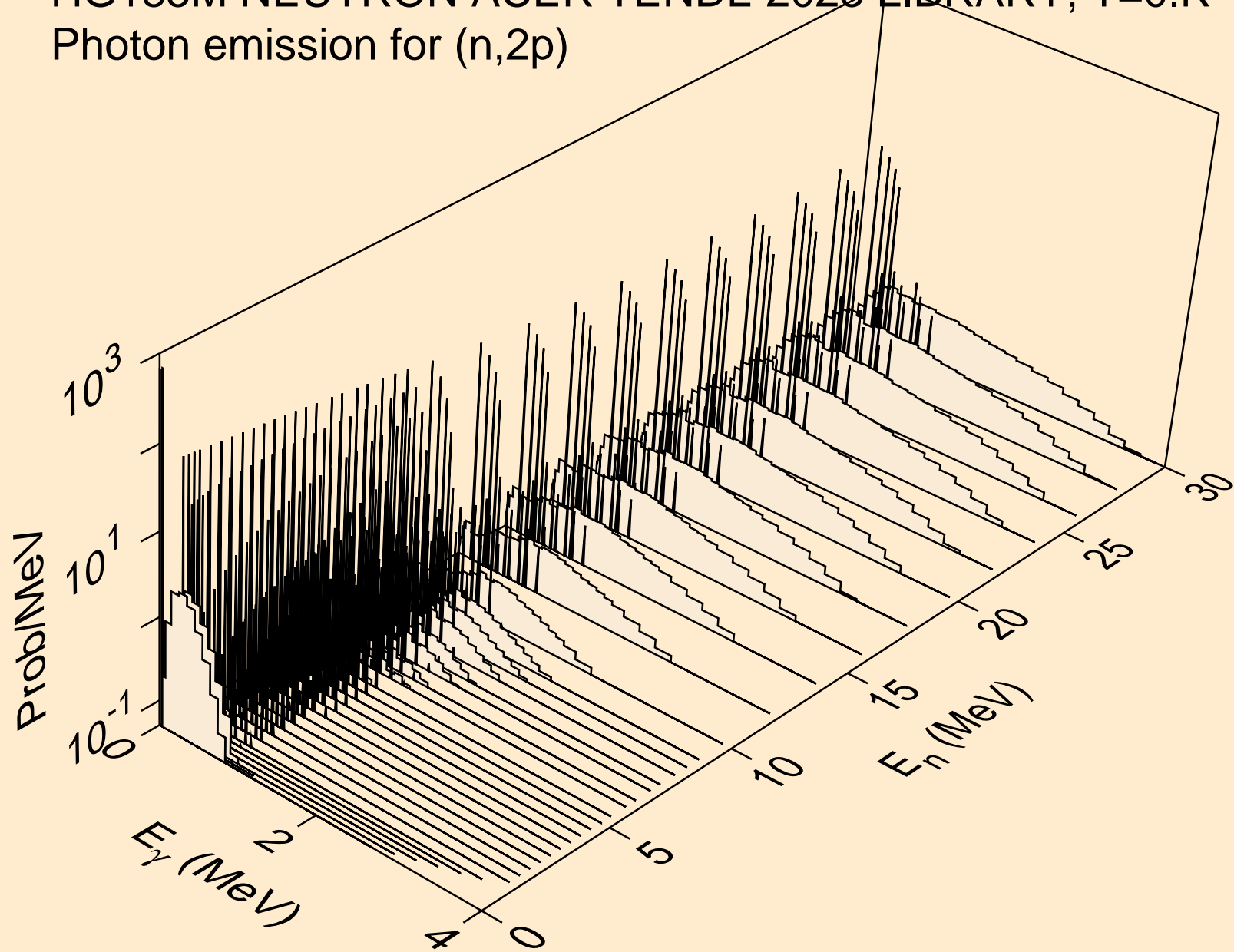




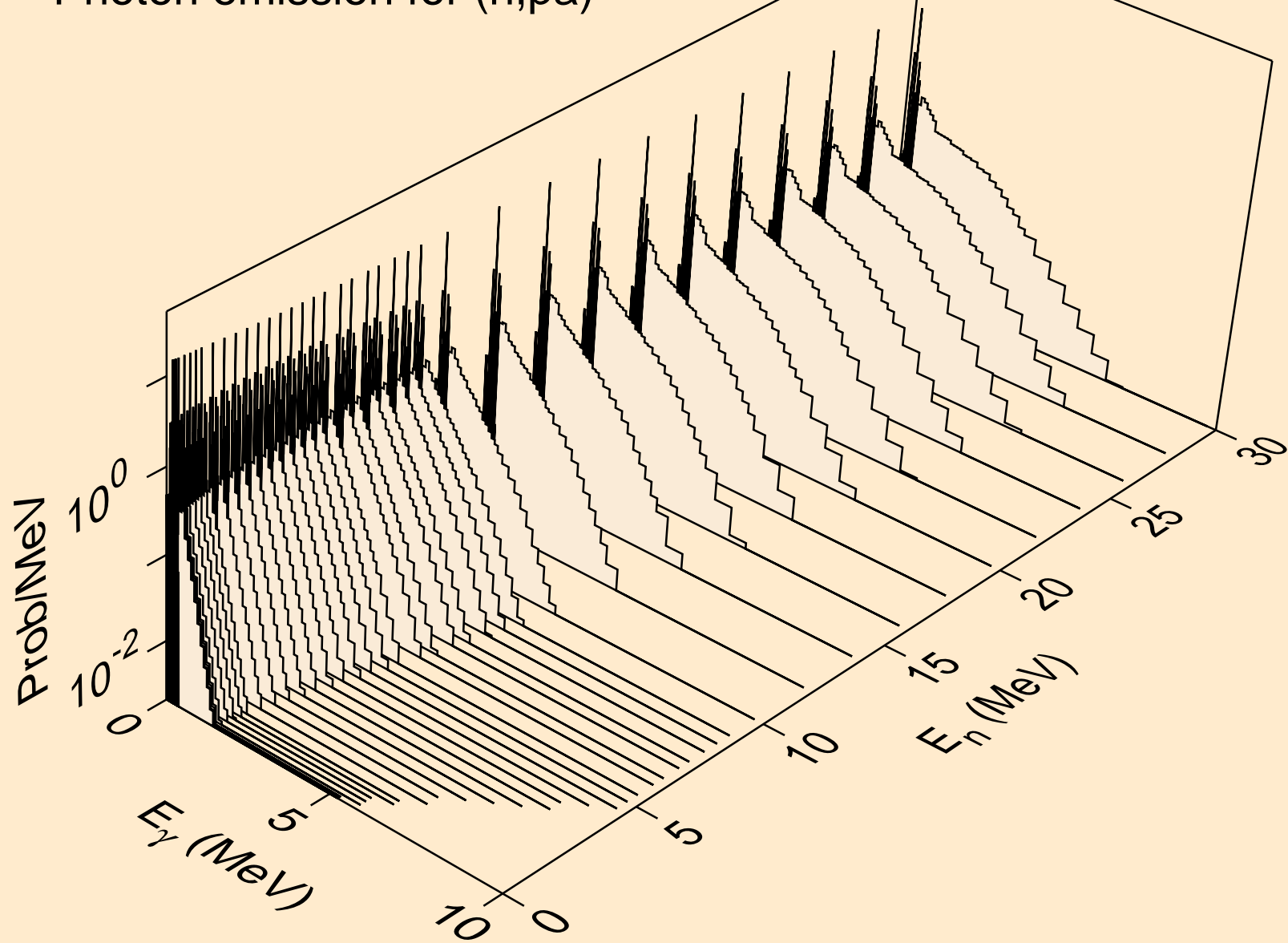
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Photon emission for (n,3a)



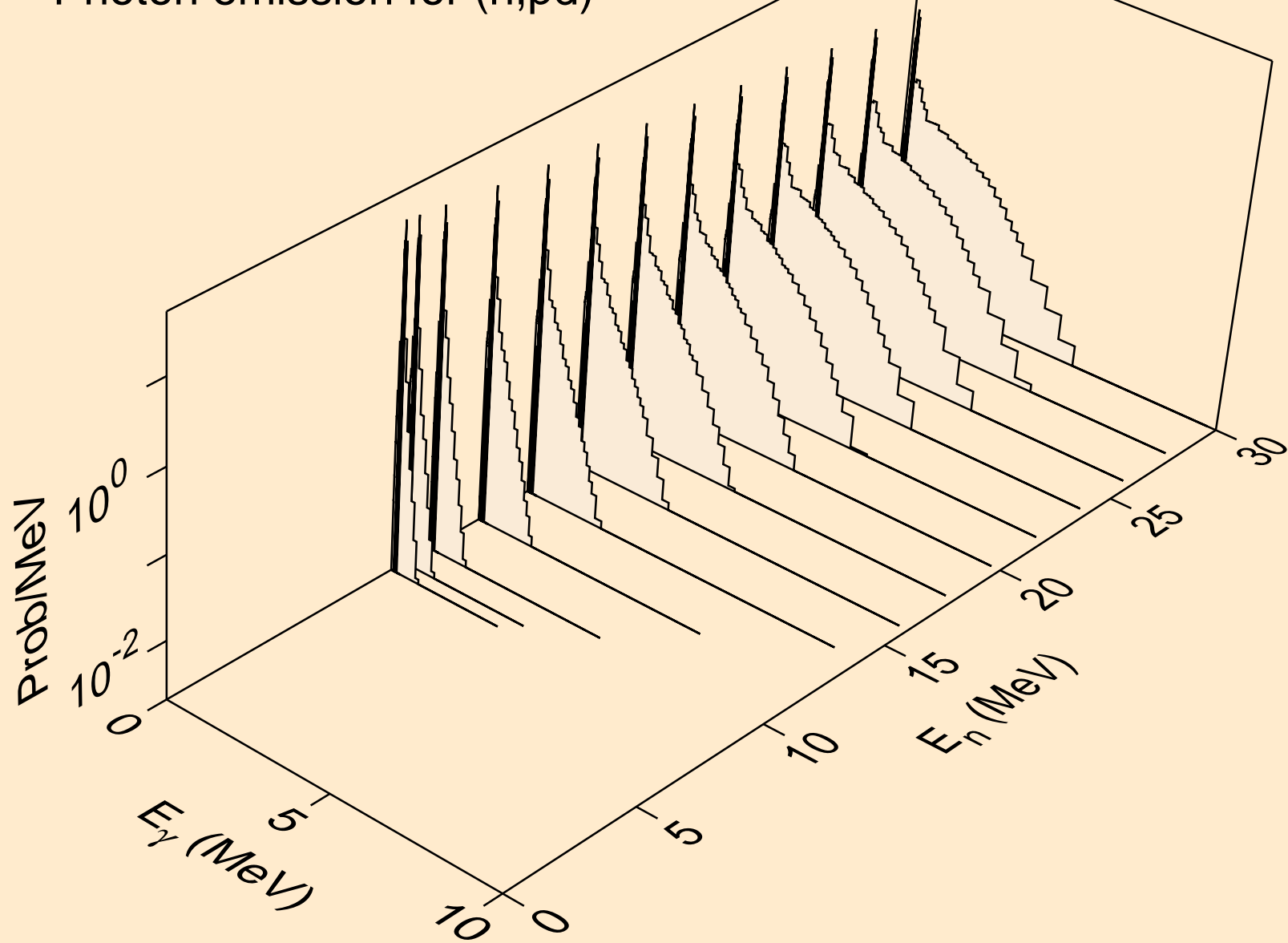
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Photon emission for (n,2p)



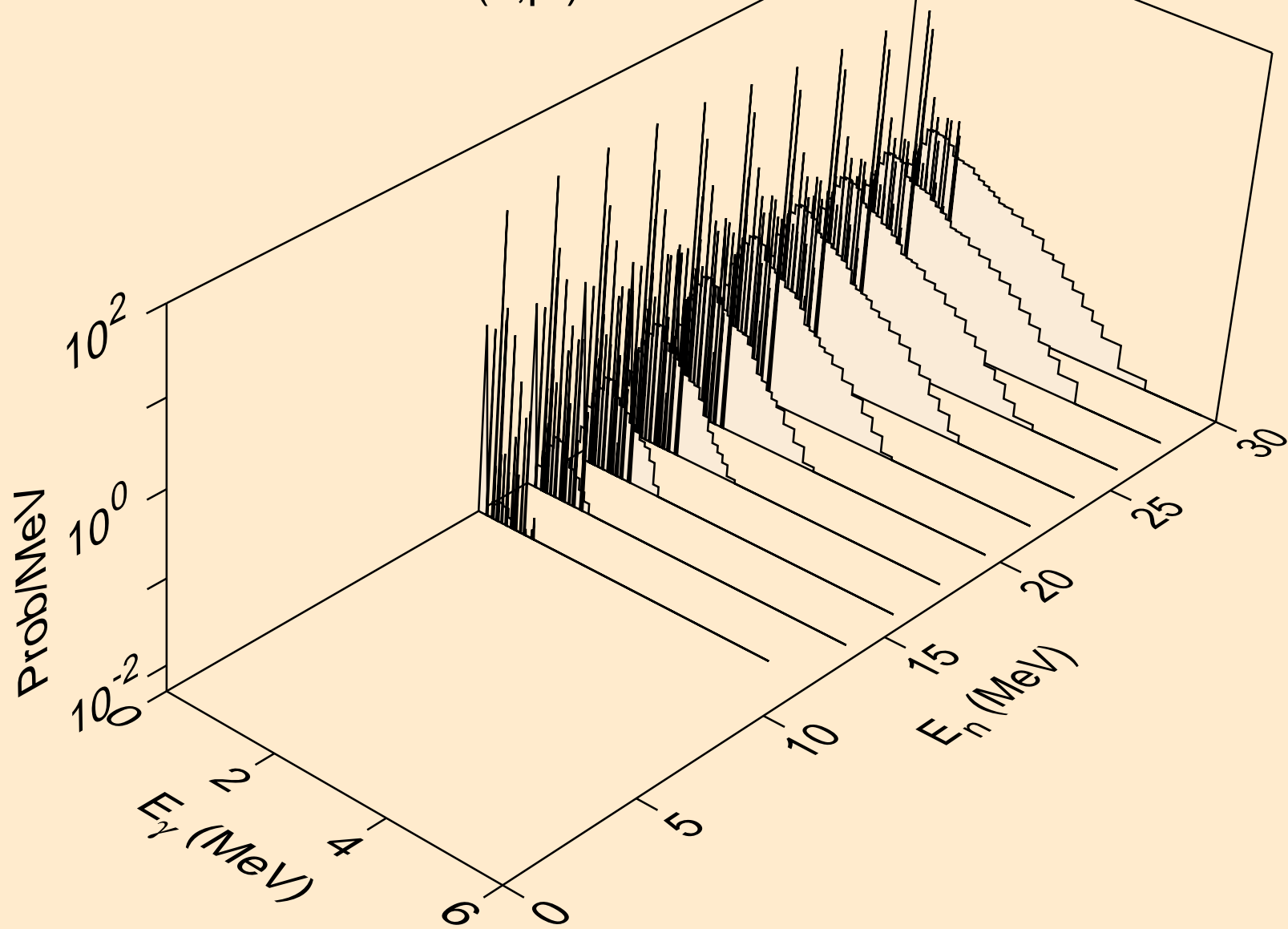
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Photon emission for (n,p $\alpha$ )



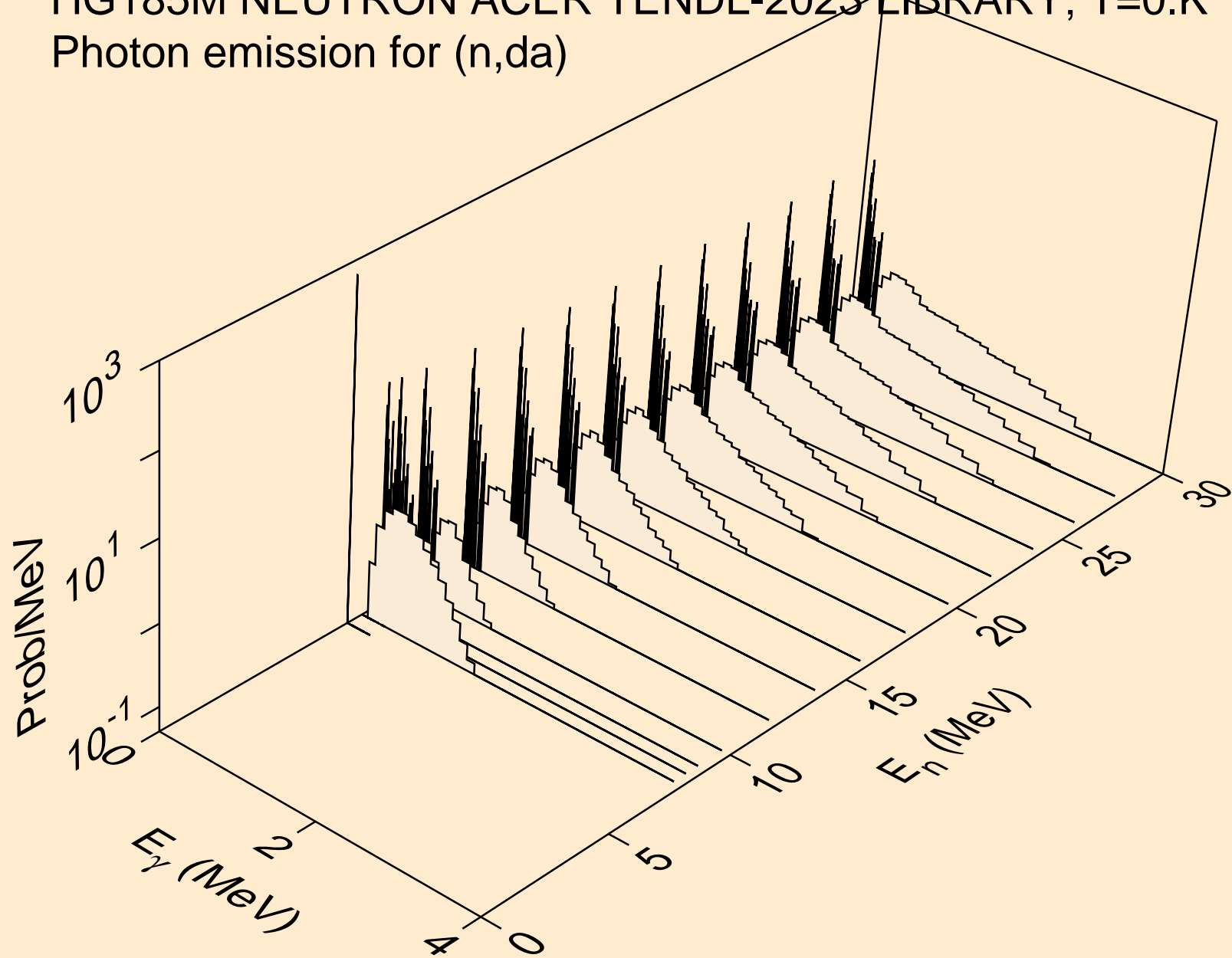
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Photon emission for (n,pd)



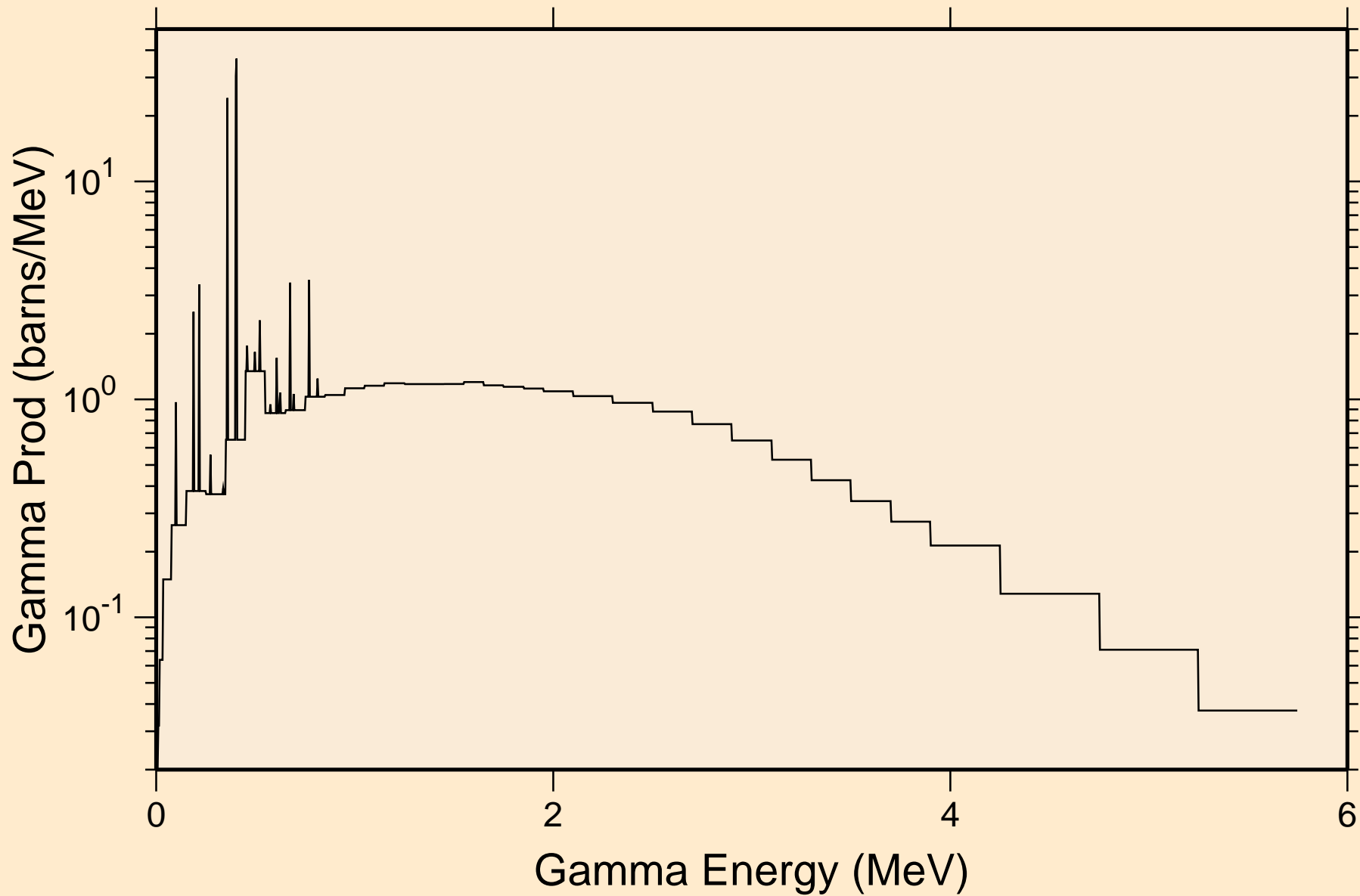
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Photon emission for (n,pt)



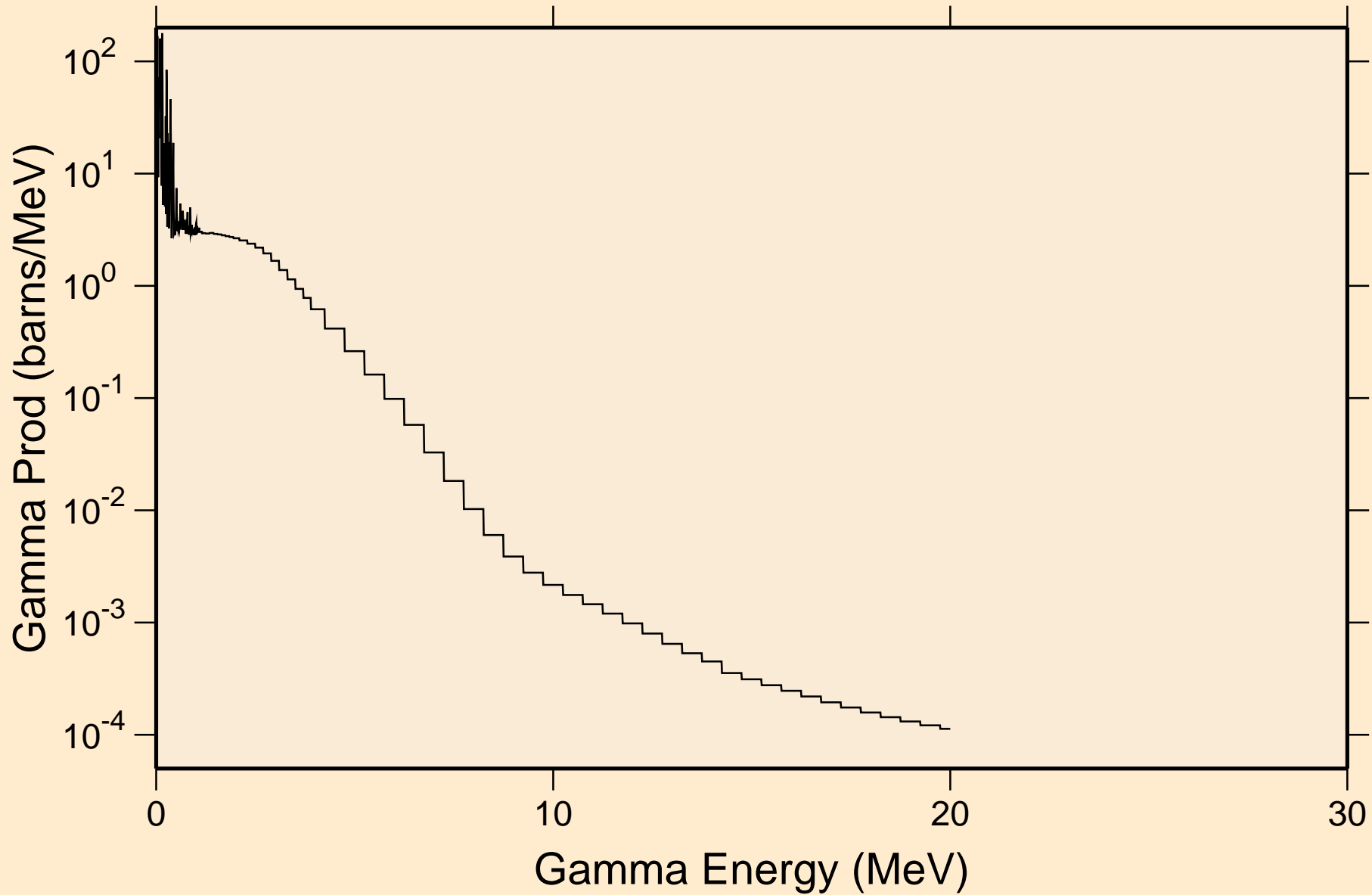
HG185M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)



HG185M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
thermal capture photon spectrum



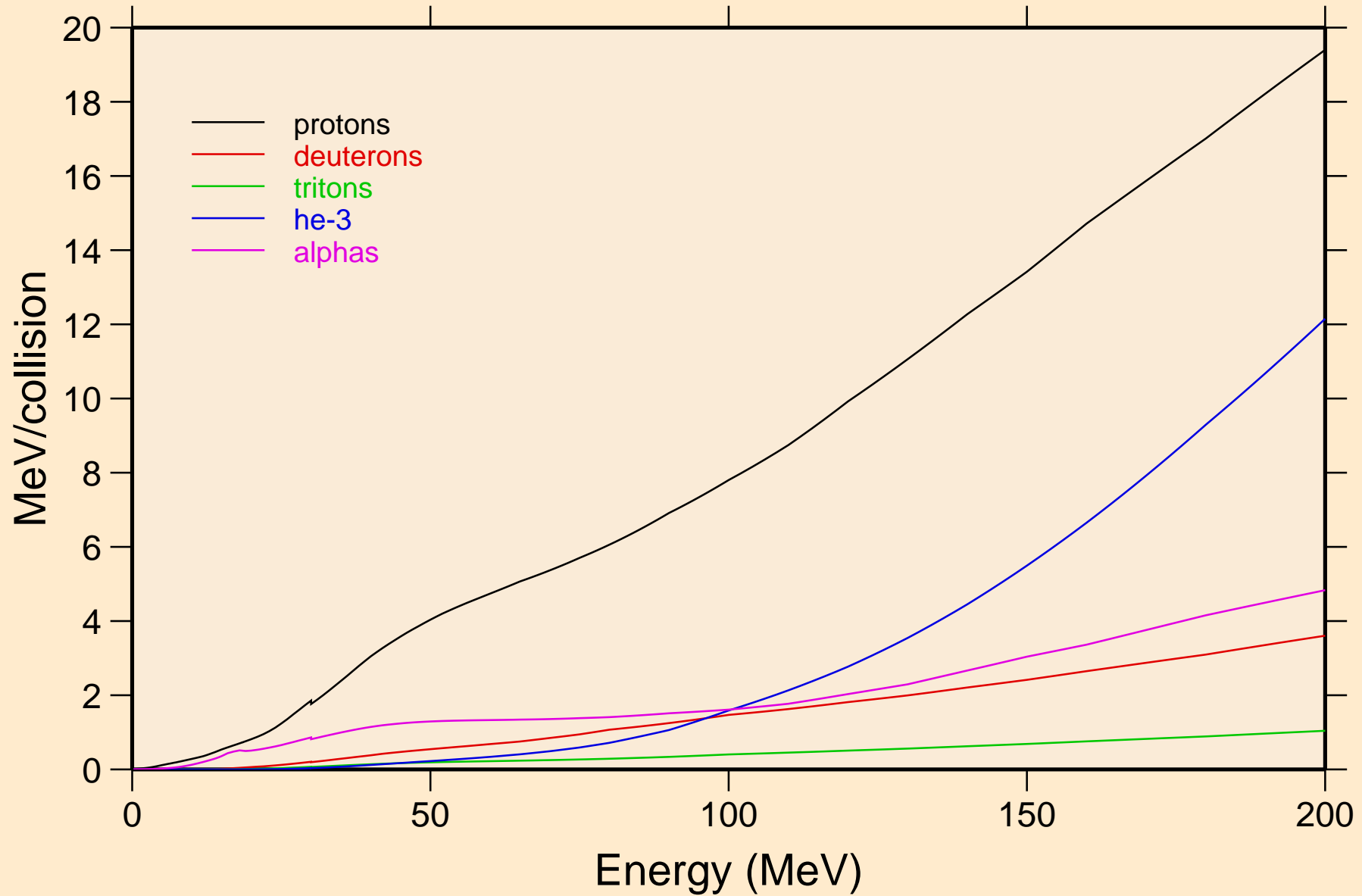
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14 MeV photon spectrum



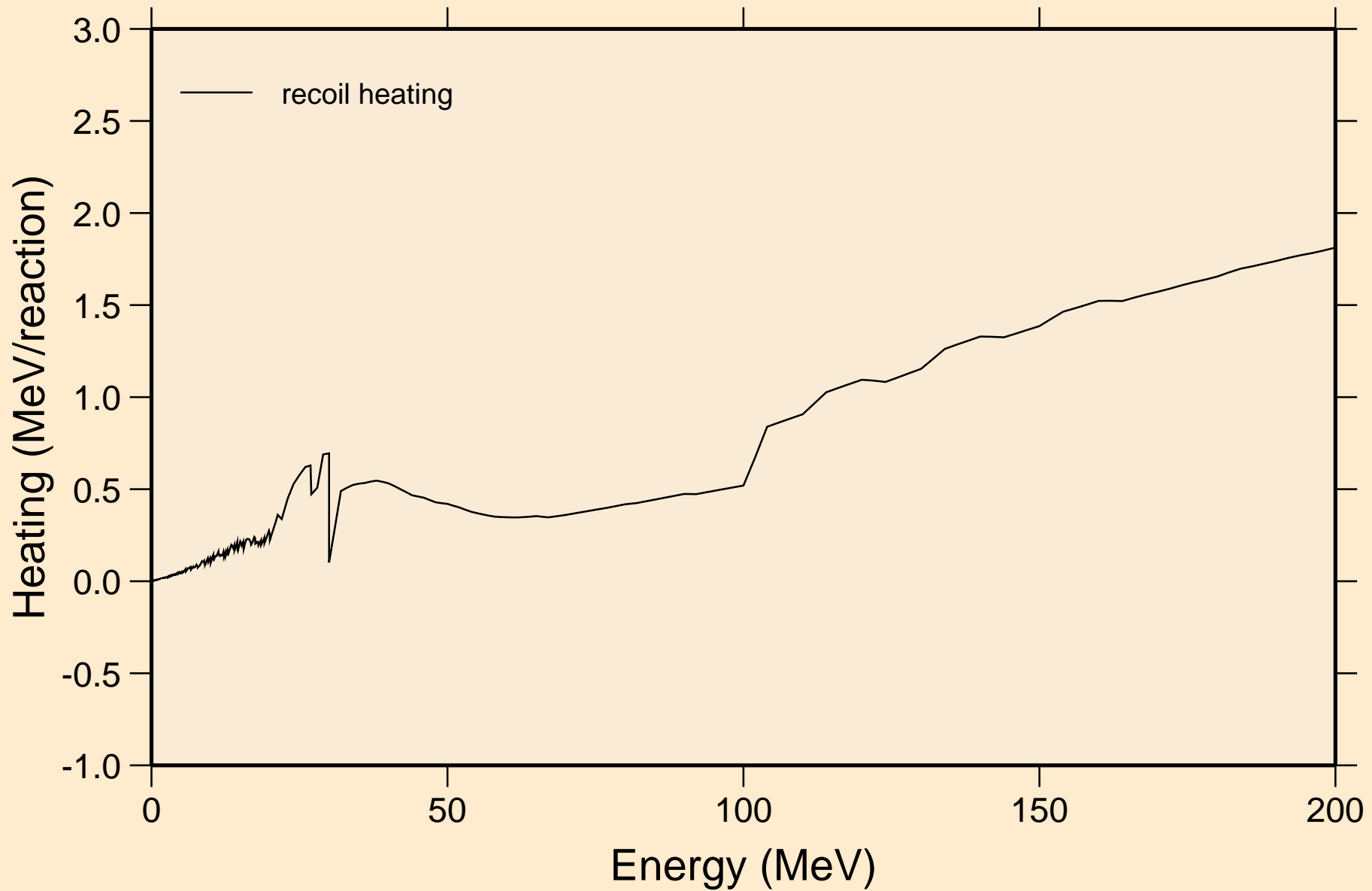


# HG185M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Particle heating contributions

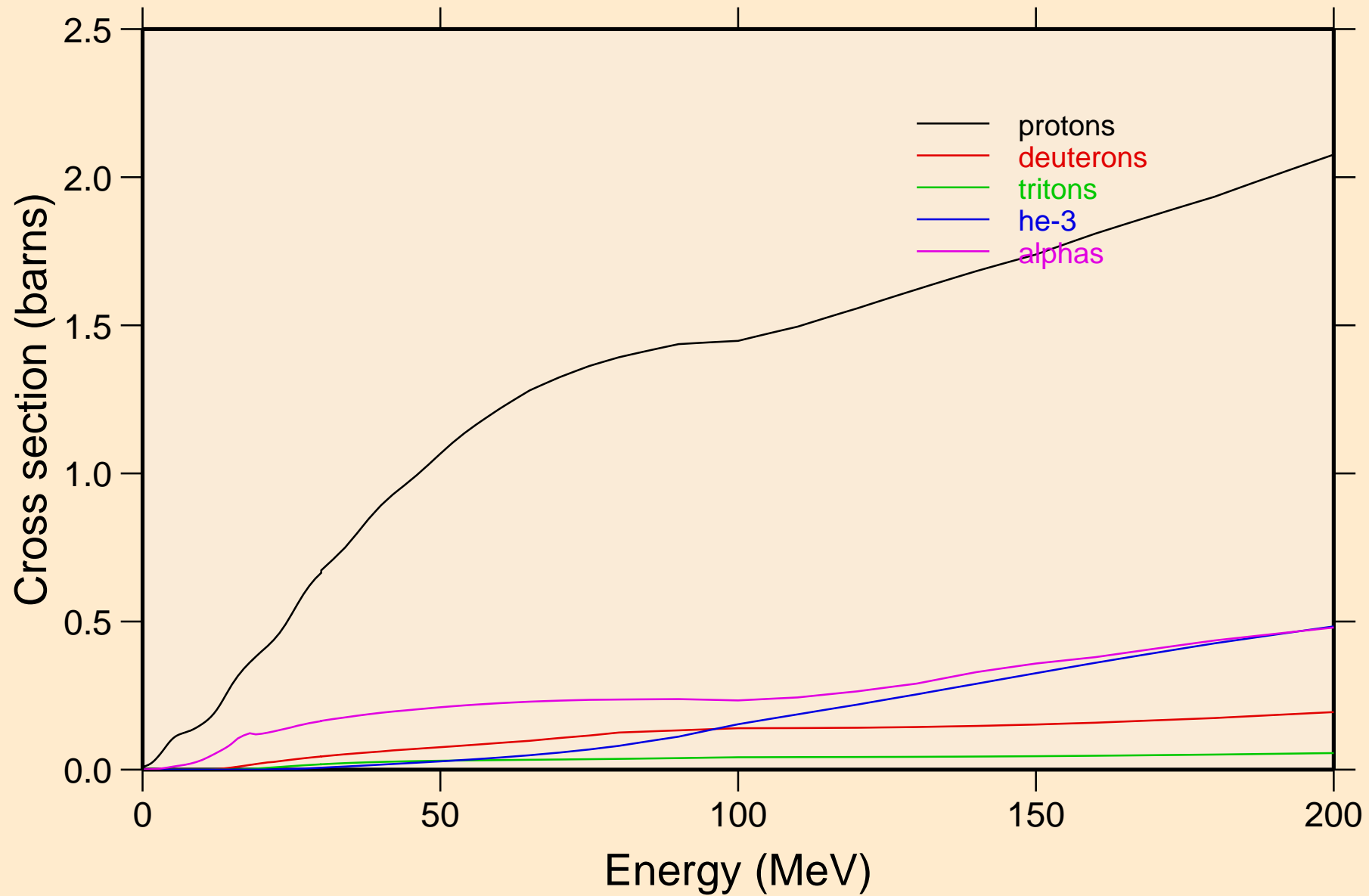


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Recoil Heating

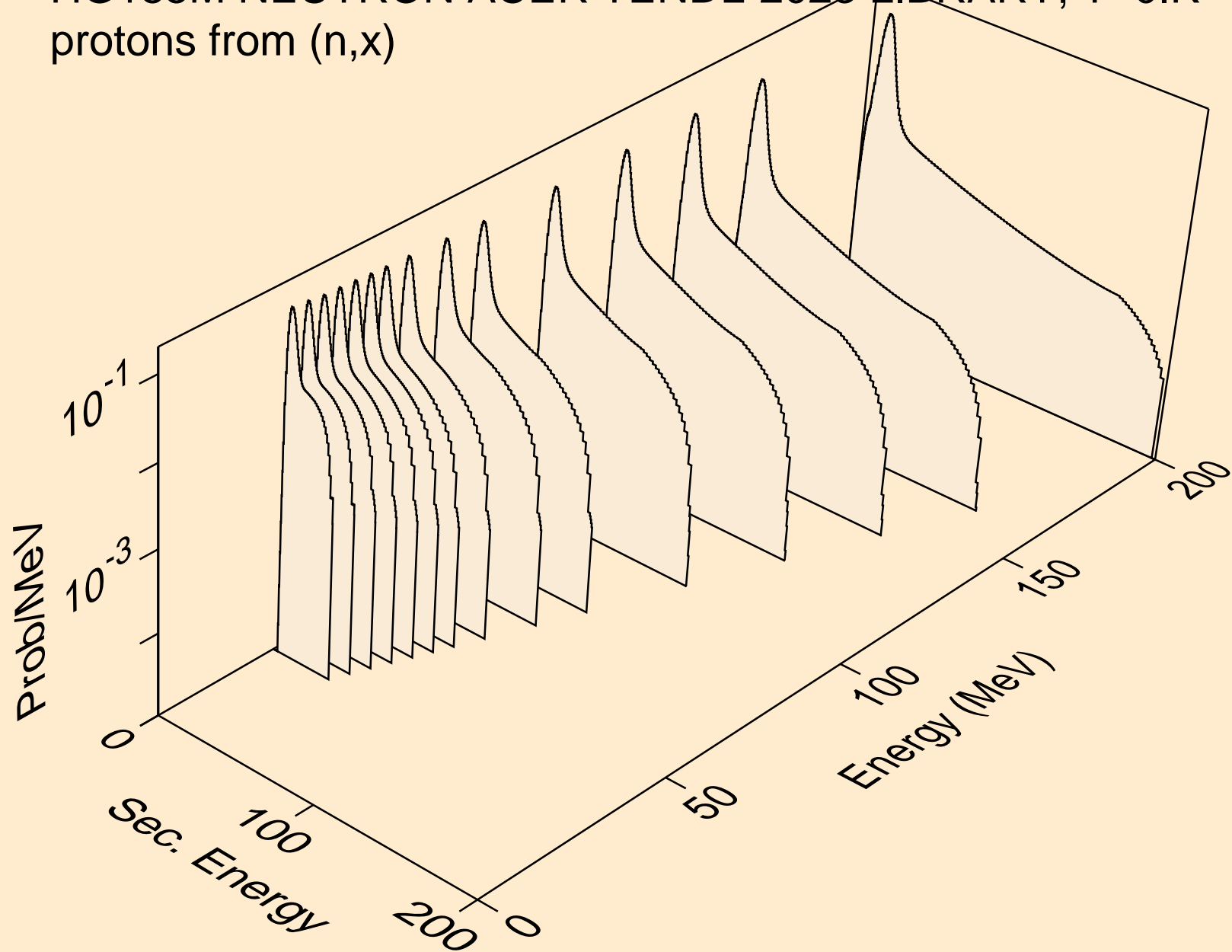


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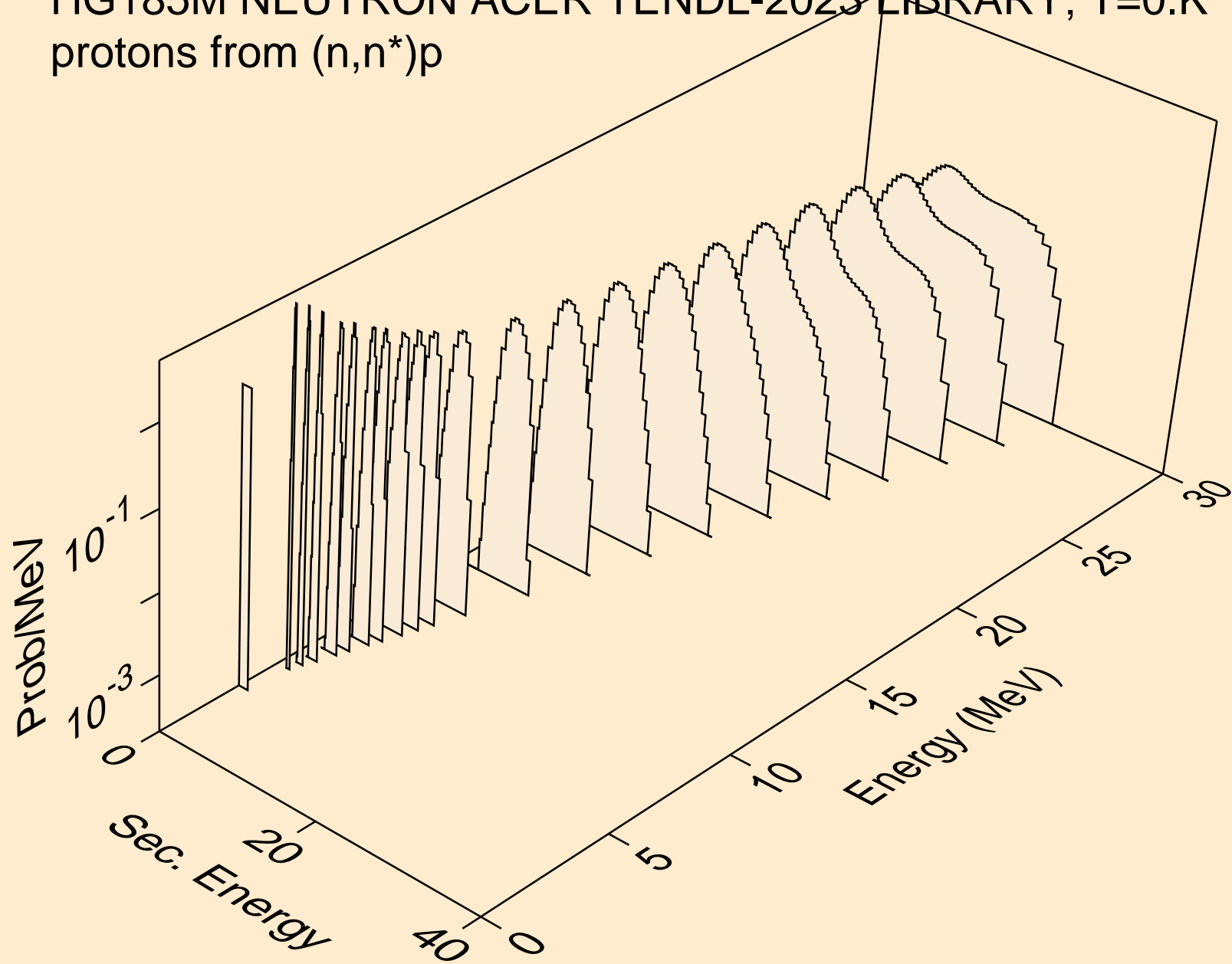
## Particle production cross sections



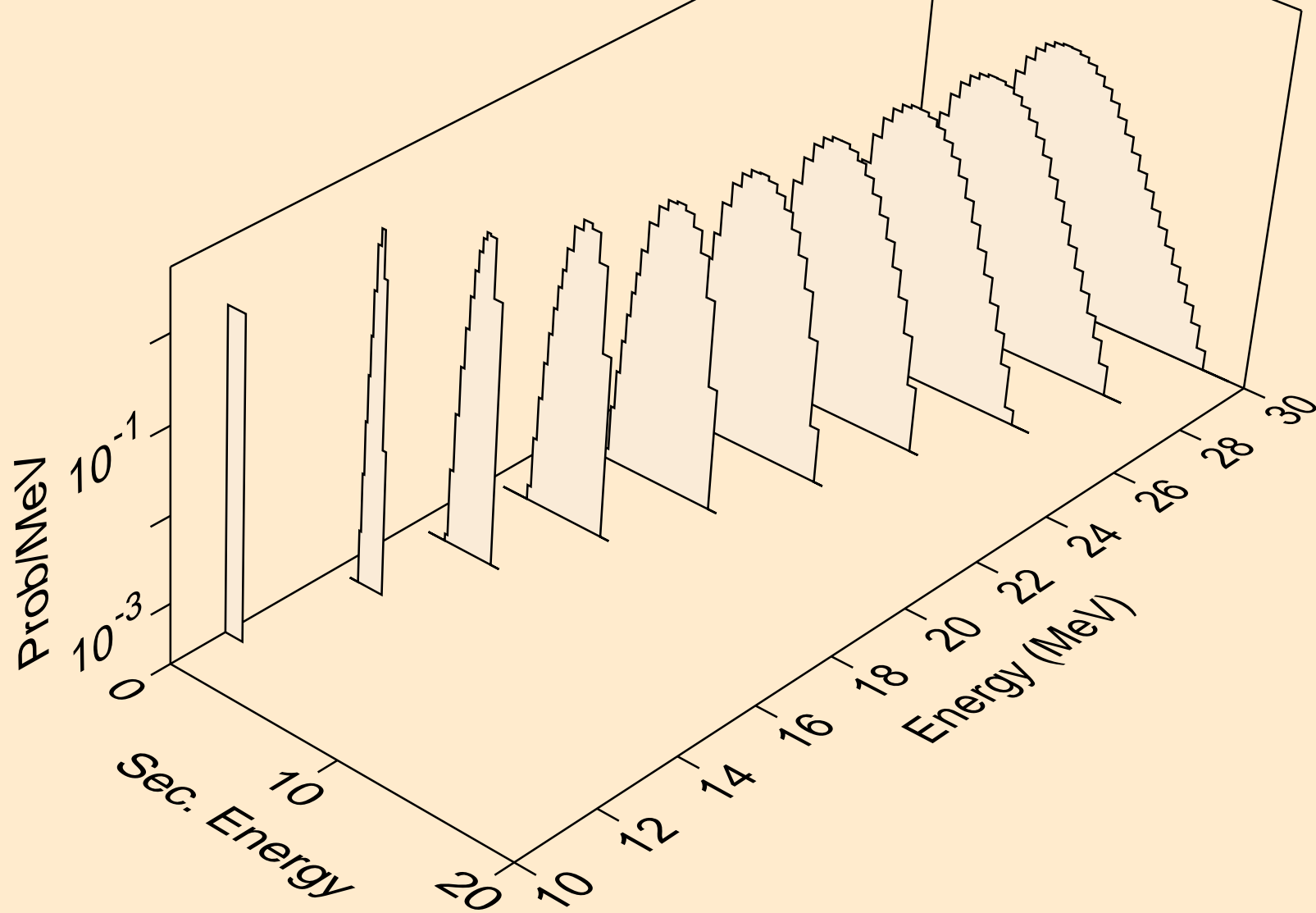
HG185M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,x)



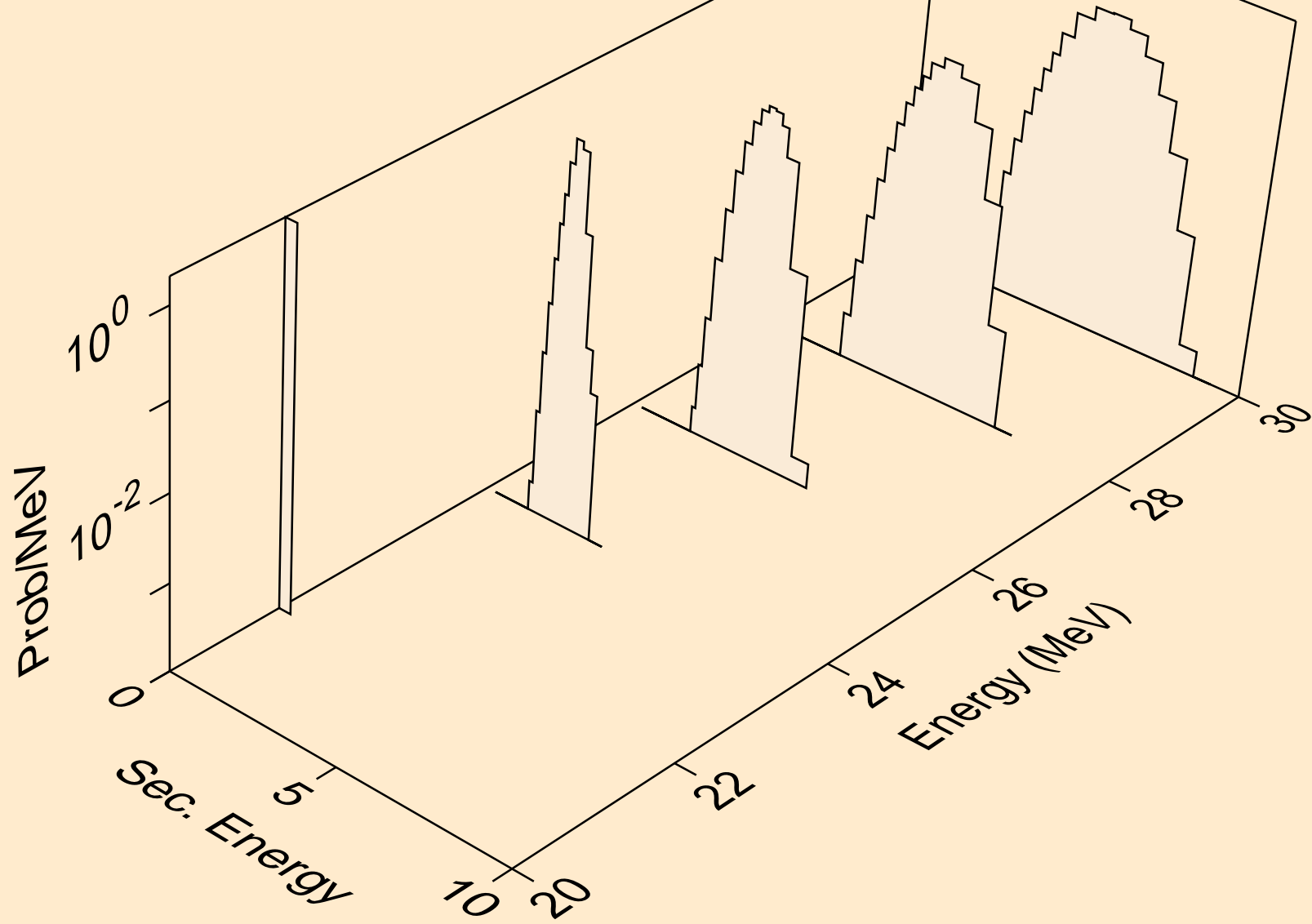
HG185M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n\*)p



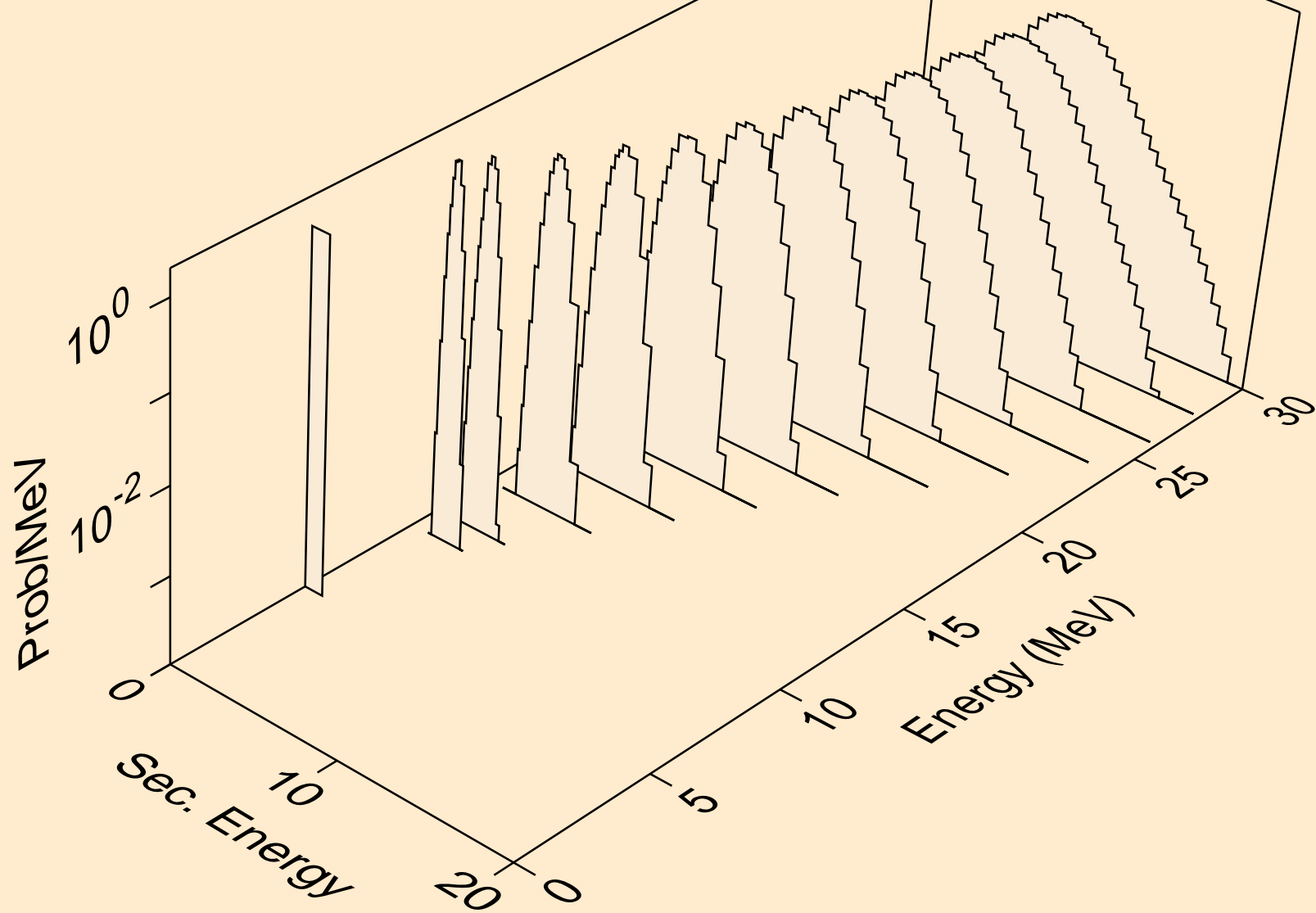
HG185M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,2np)



HG185M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,3np)

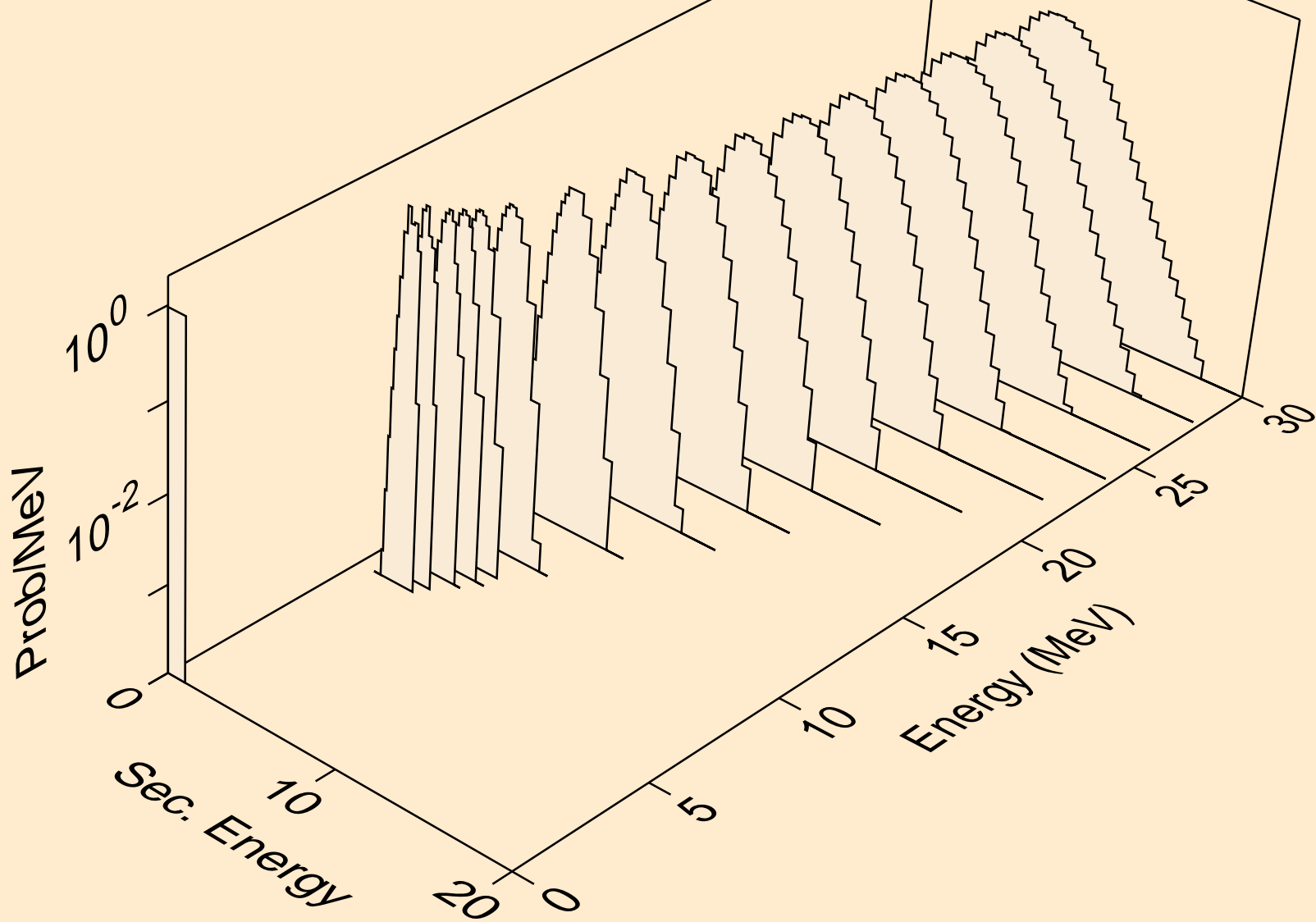


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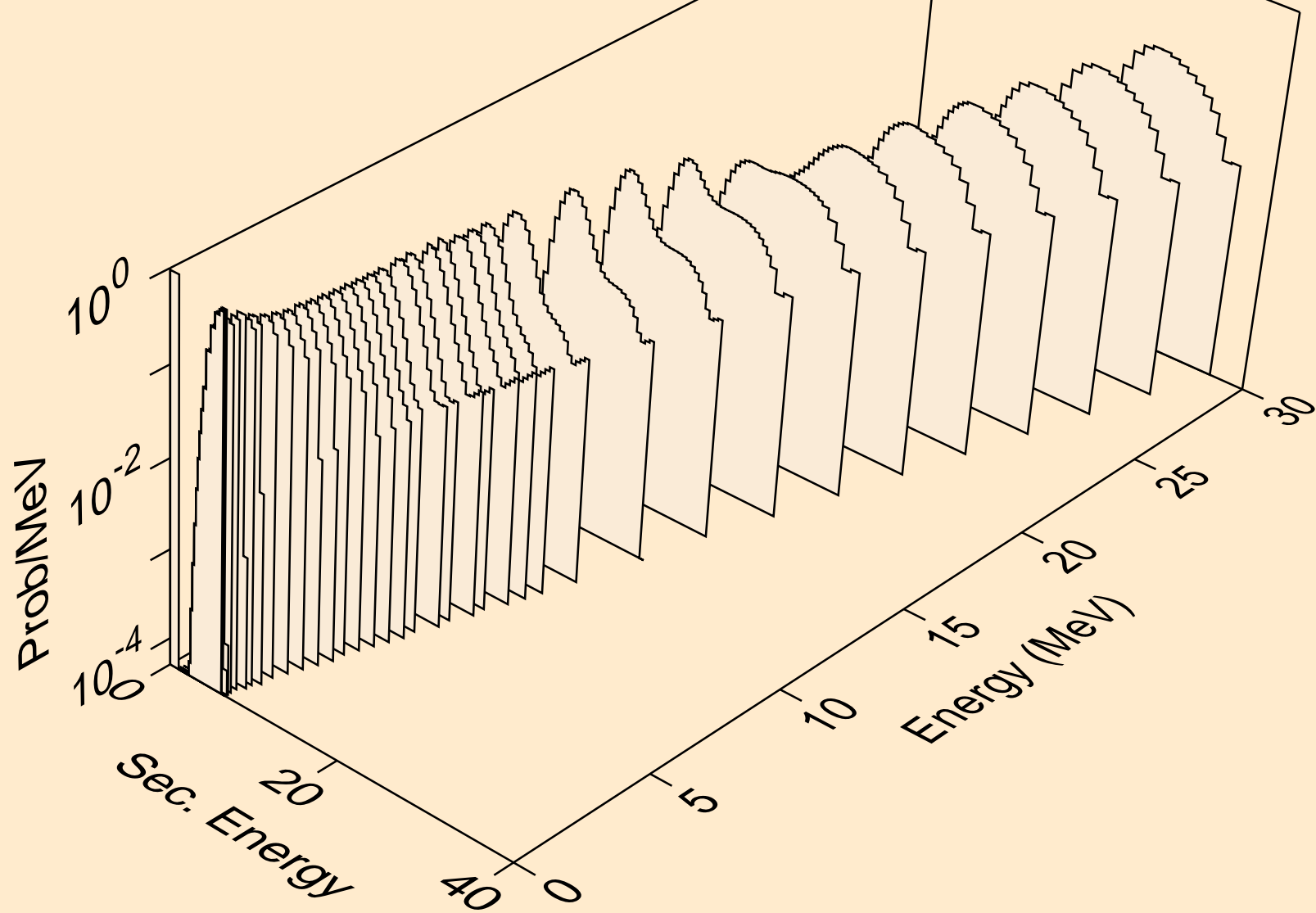




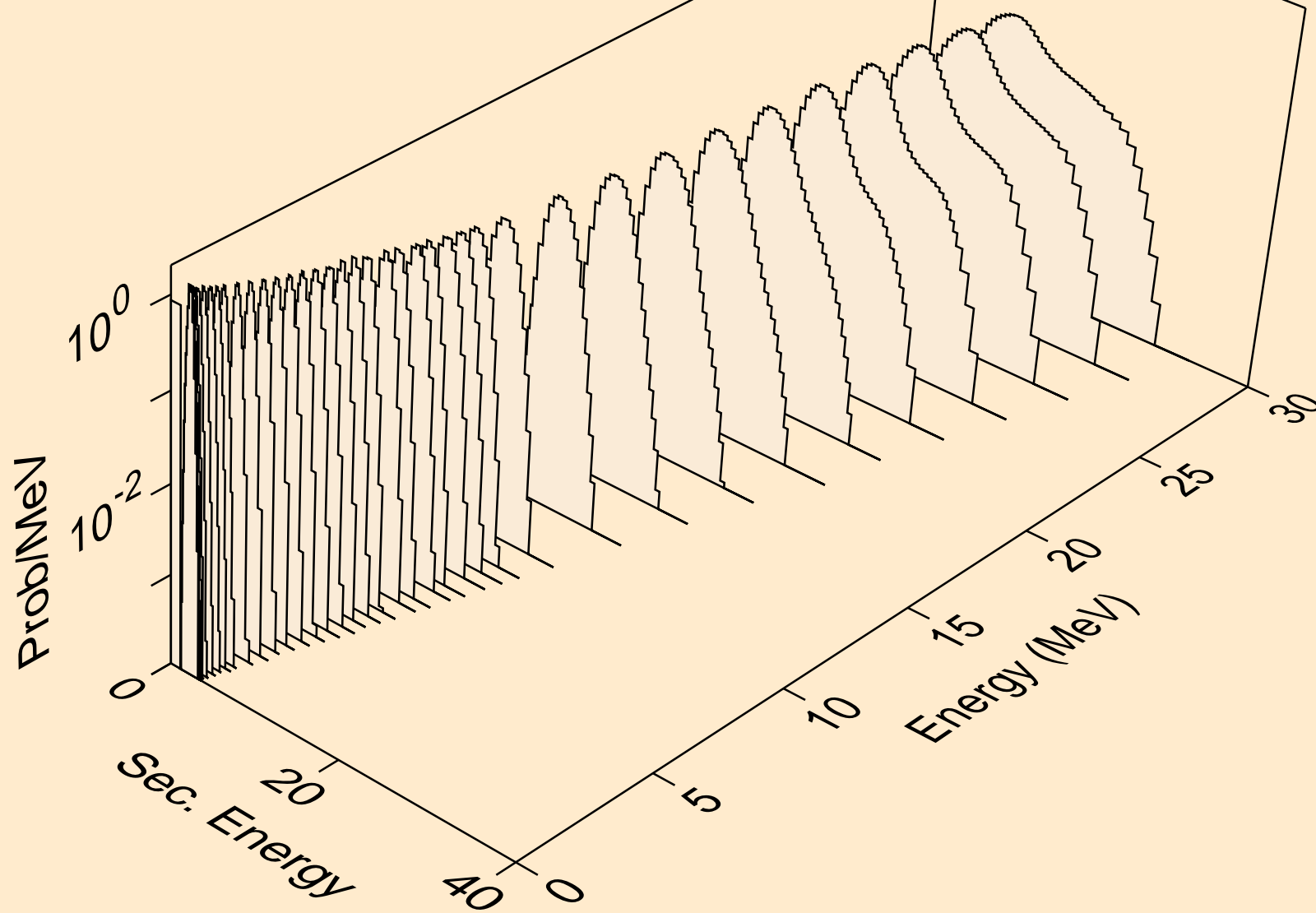
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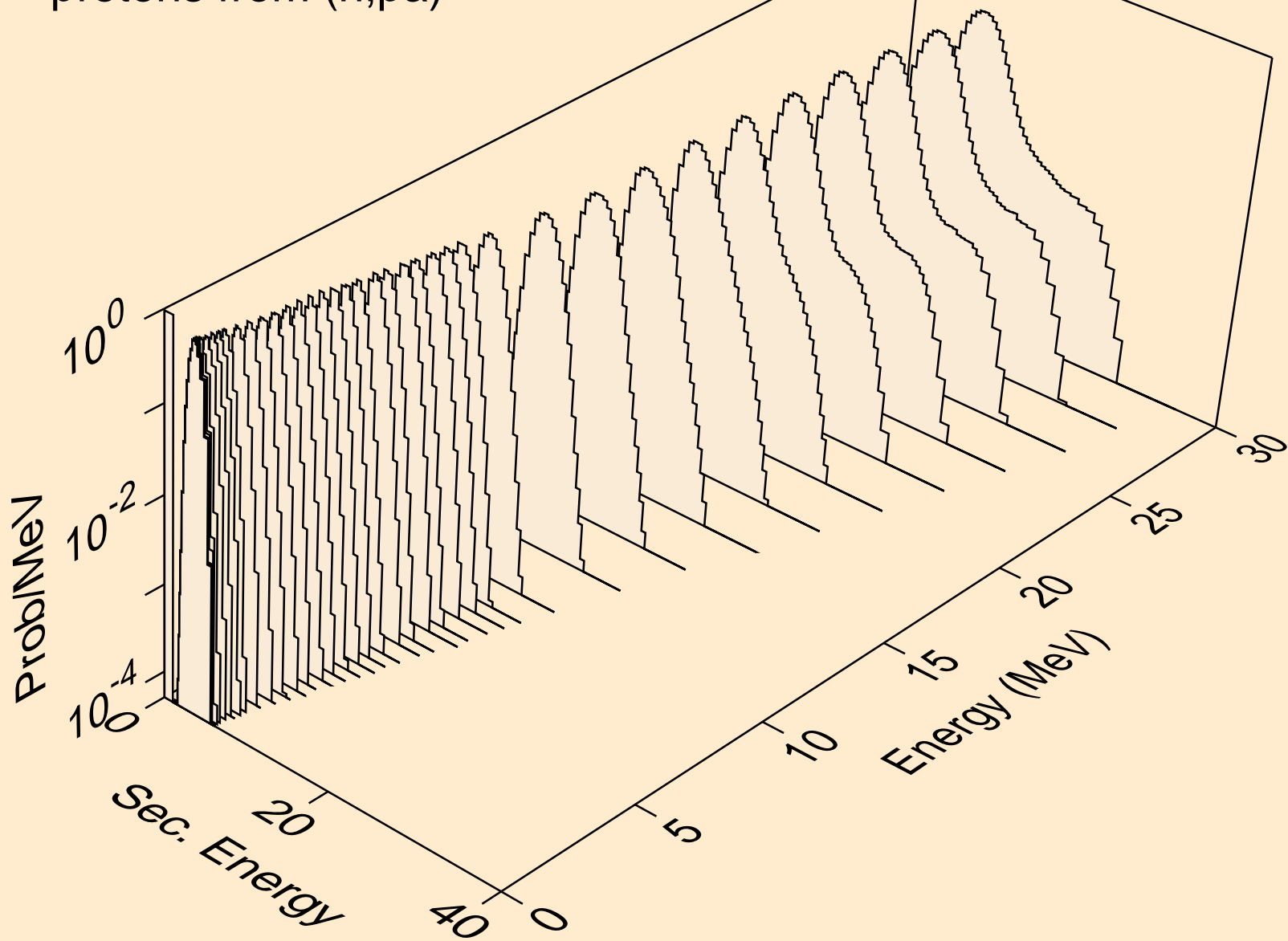
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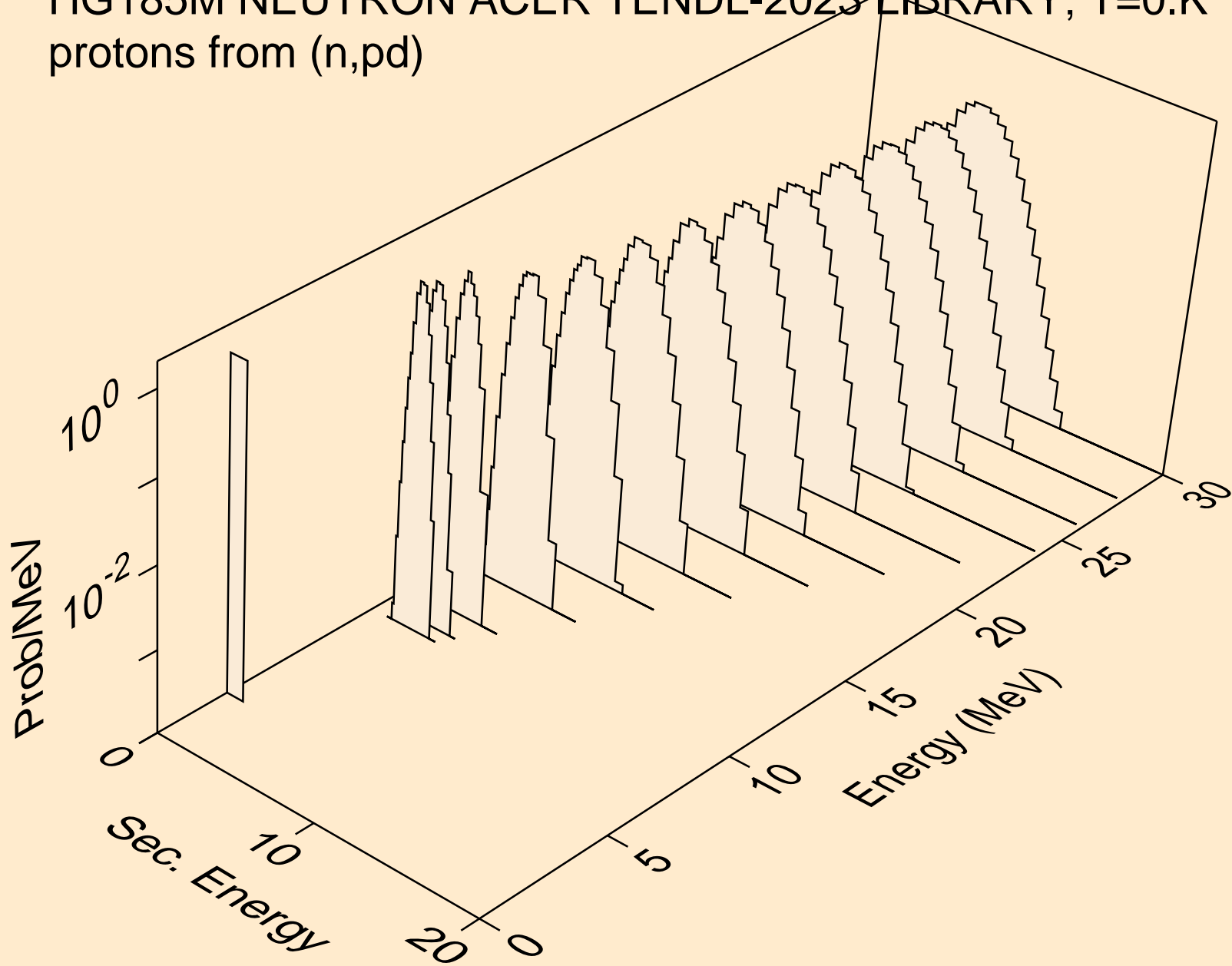
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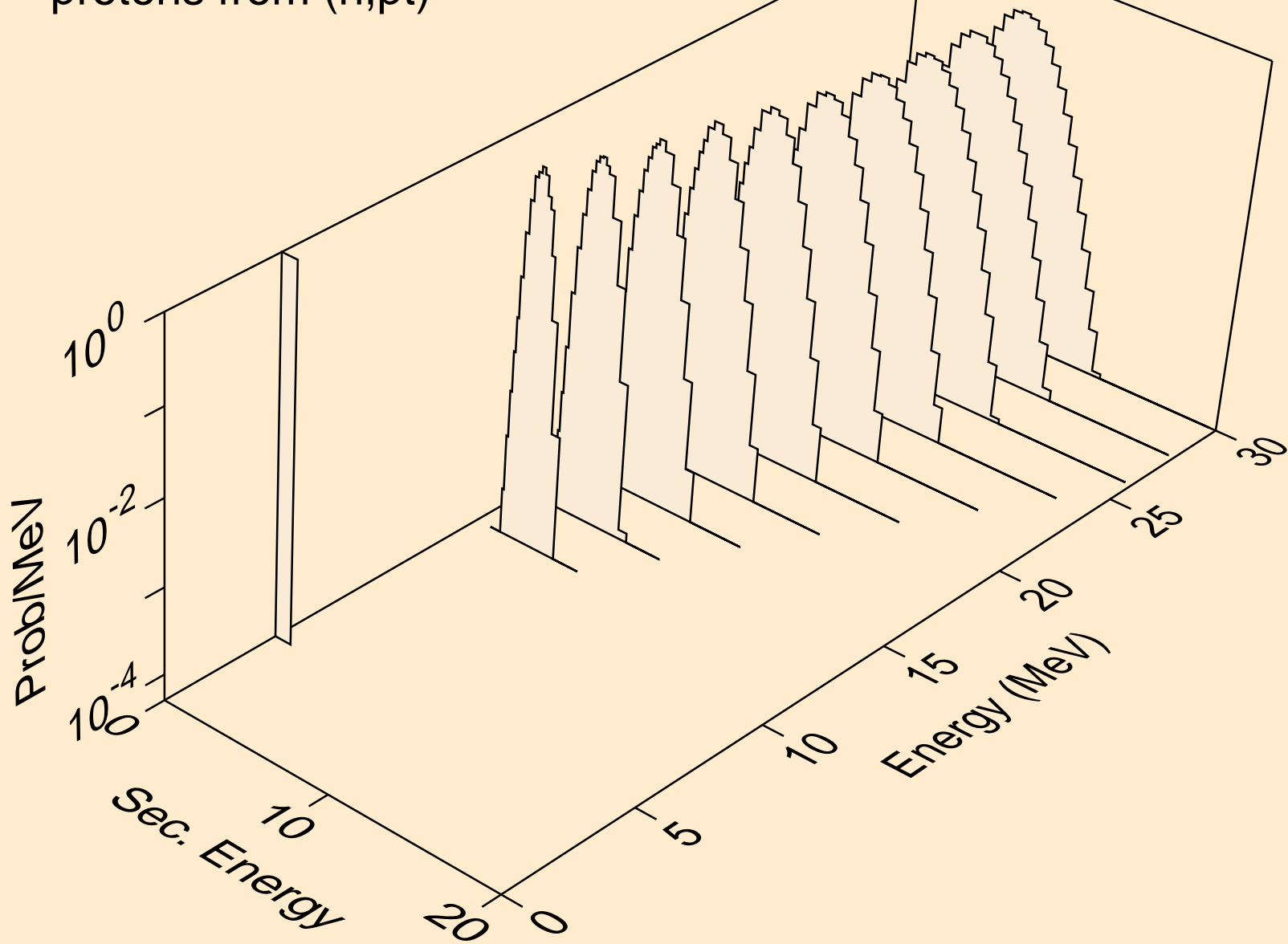
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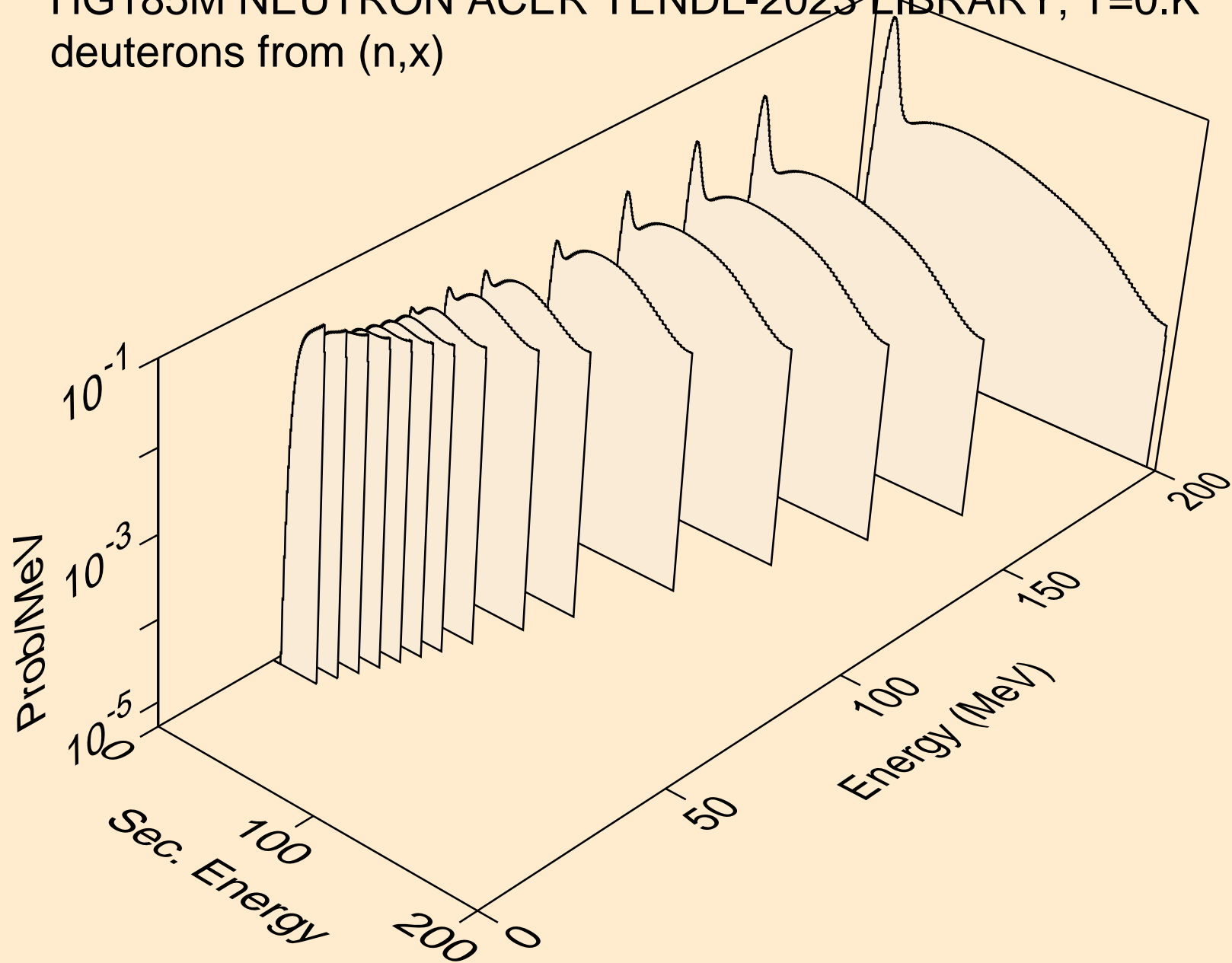
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protons from (n,pd)



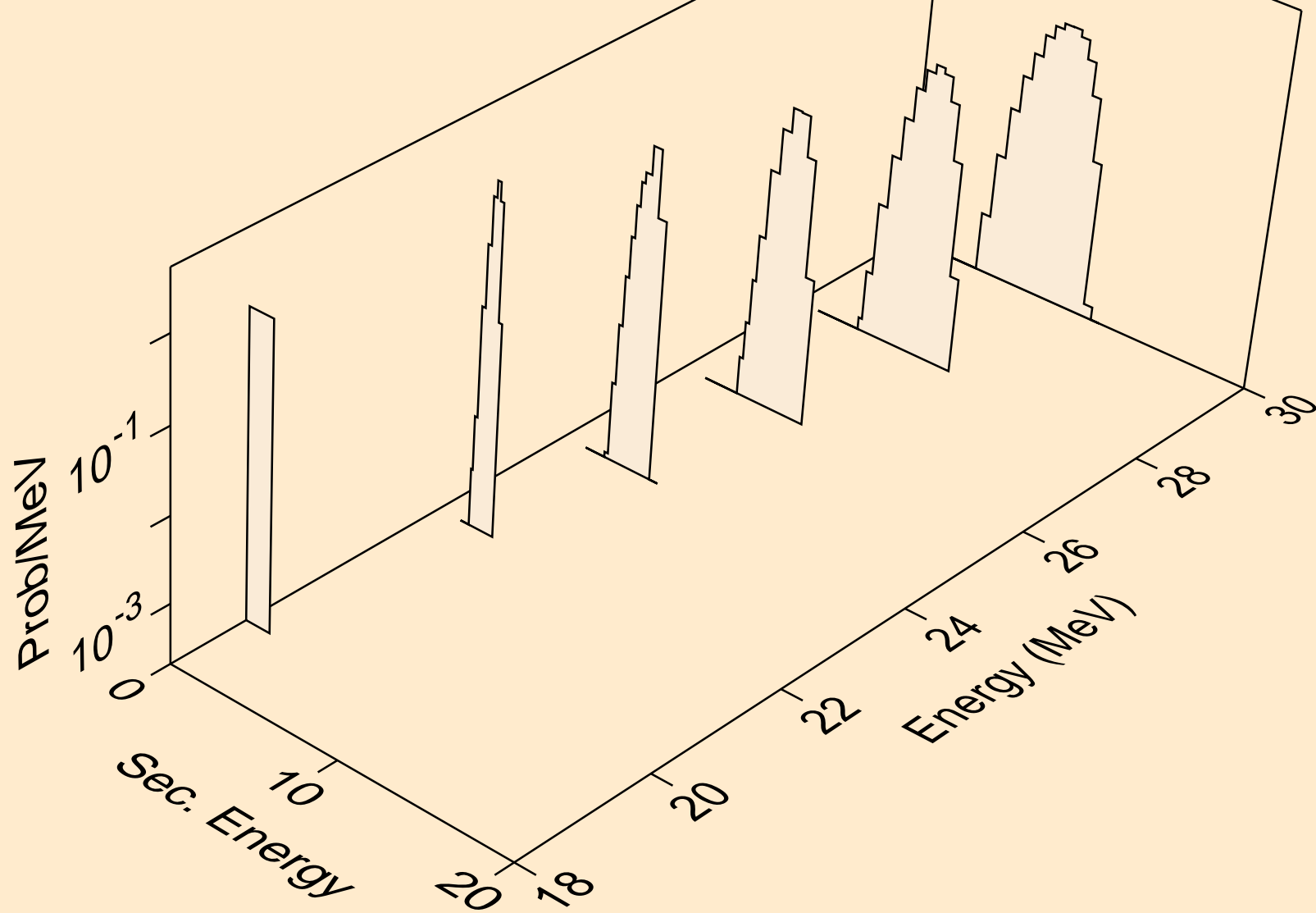
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protons from (n,pt)



HG185M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,x)

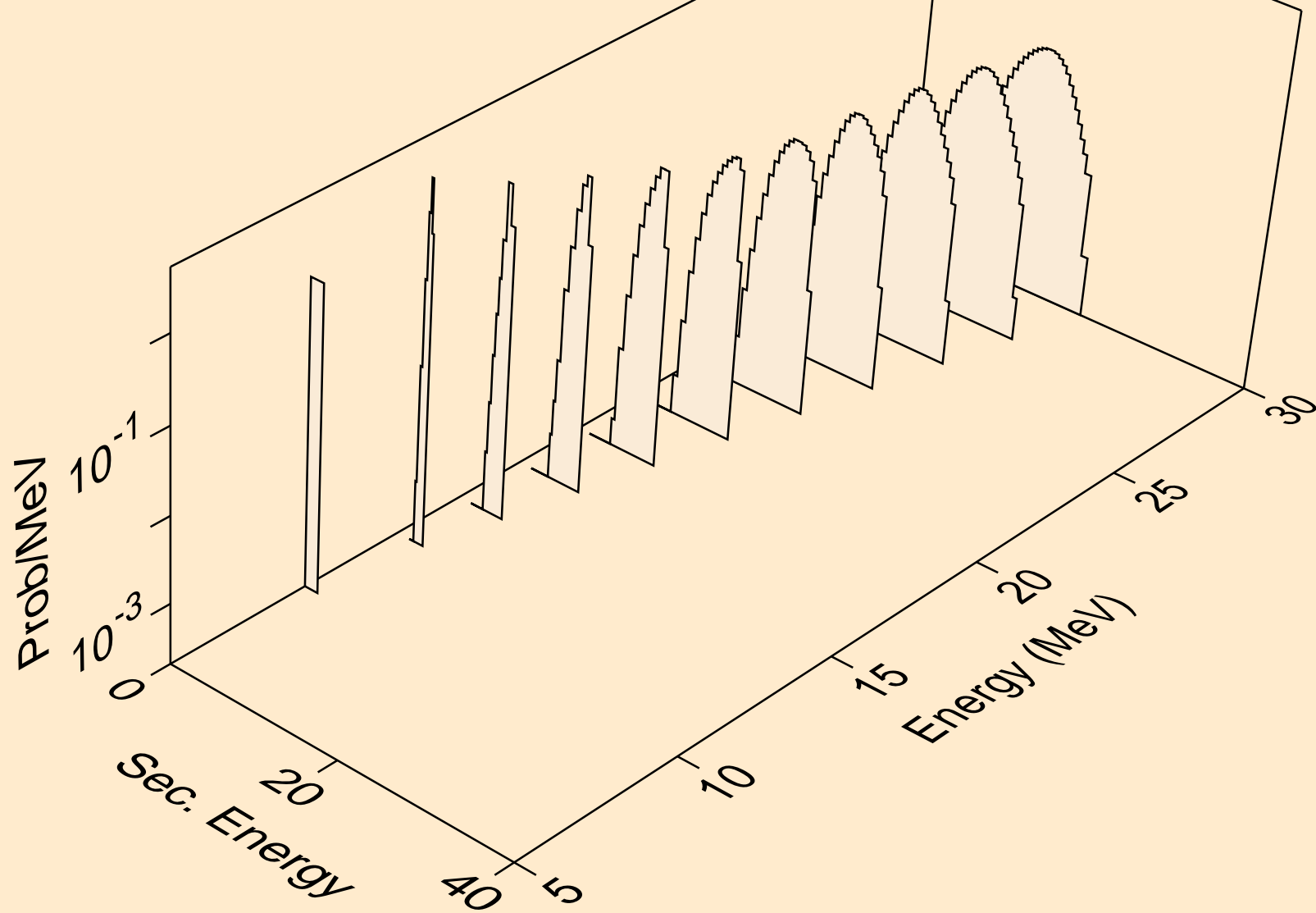


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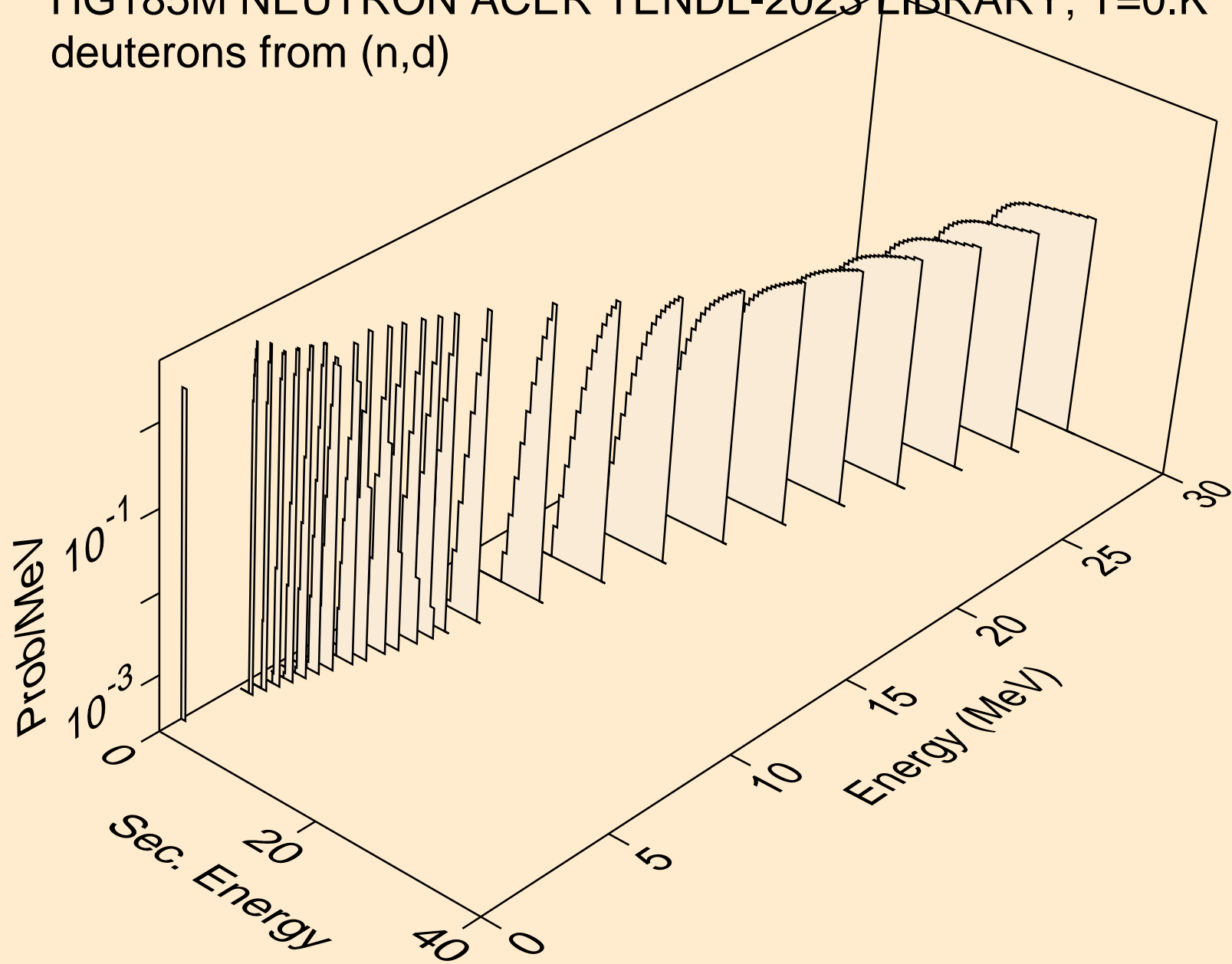




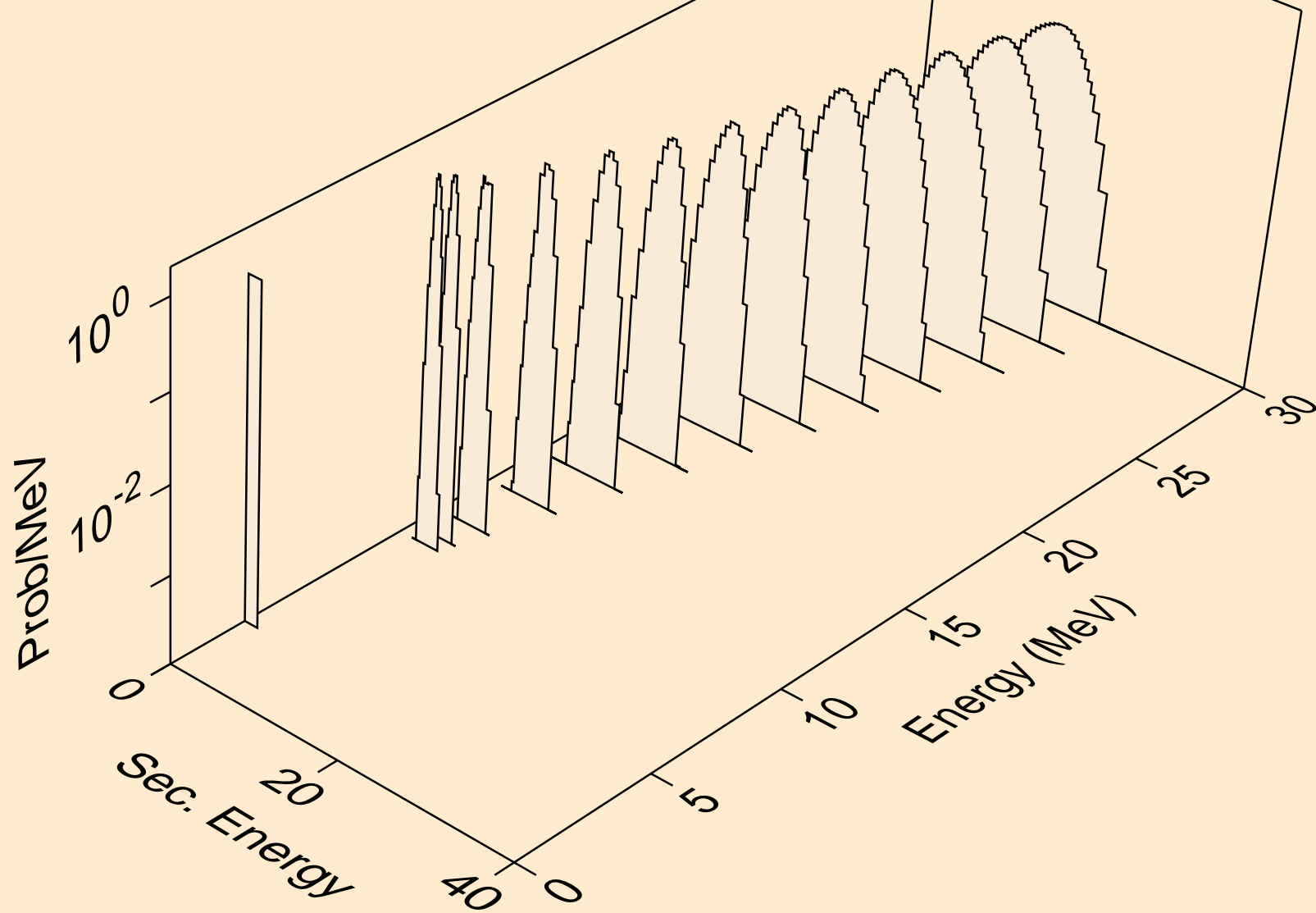
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deuterons from (n,n\*)d



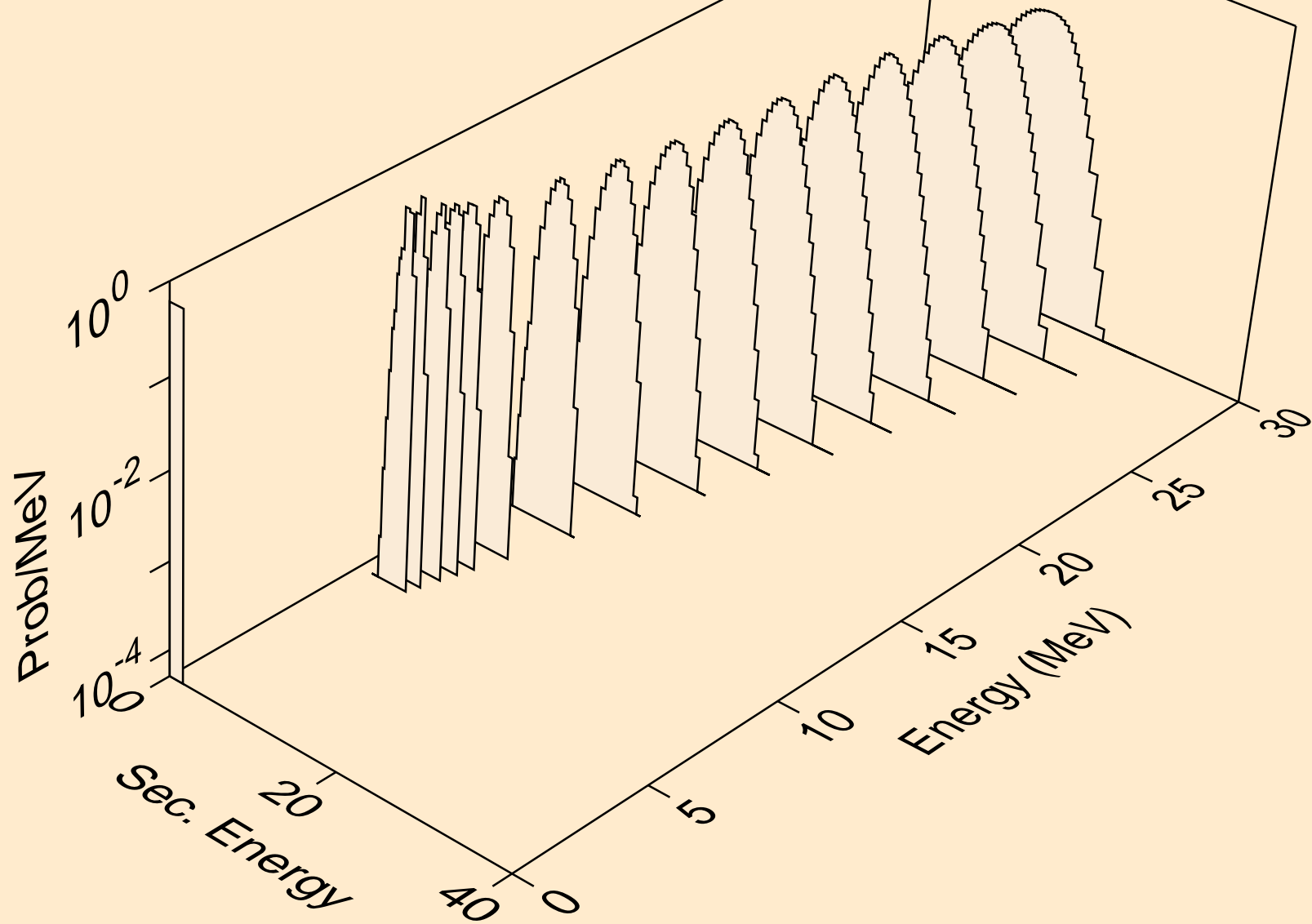
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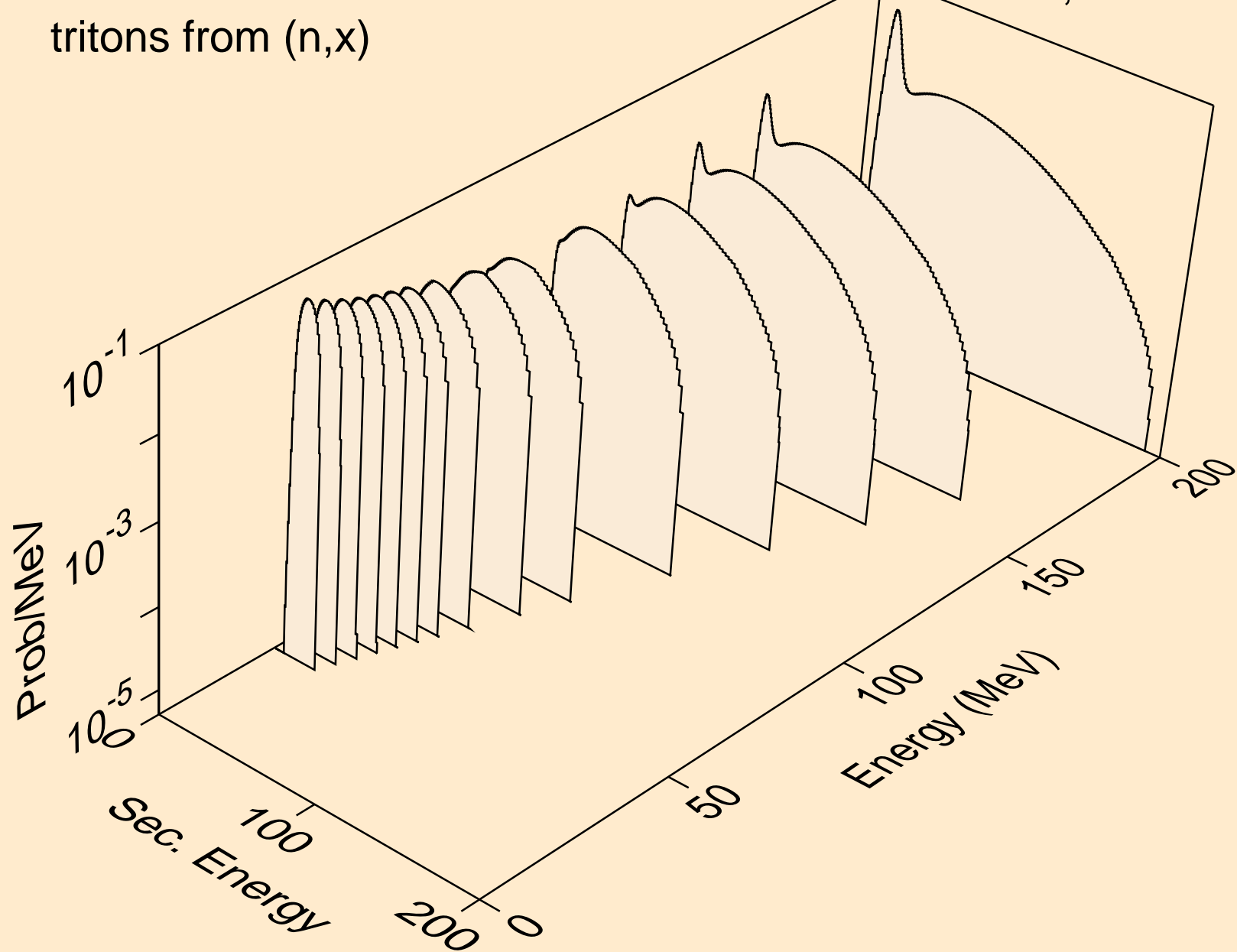
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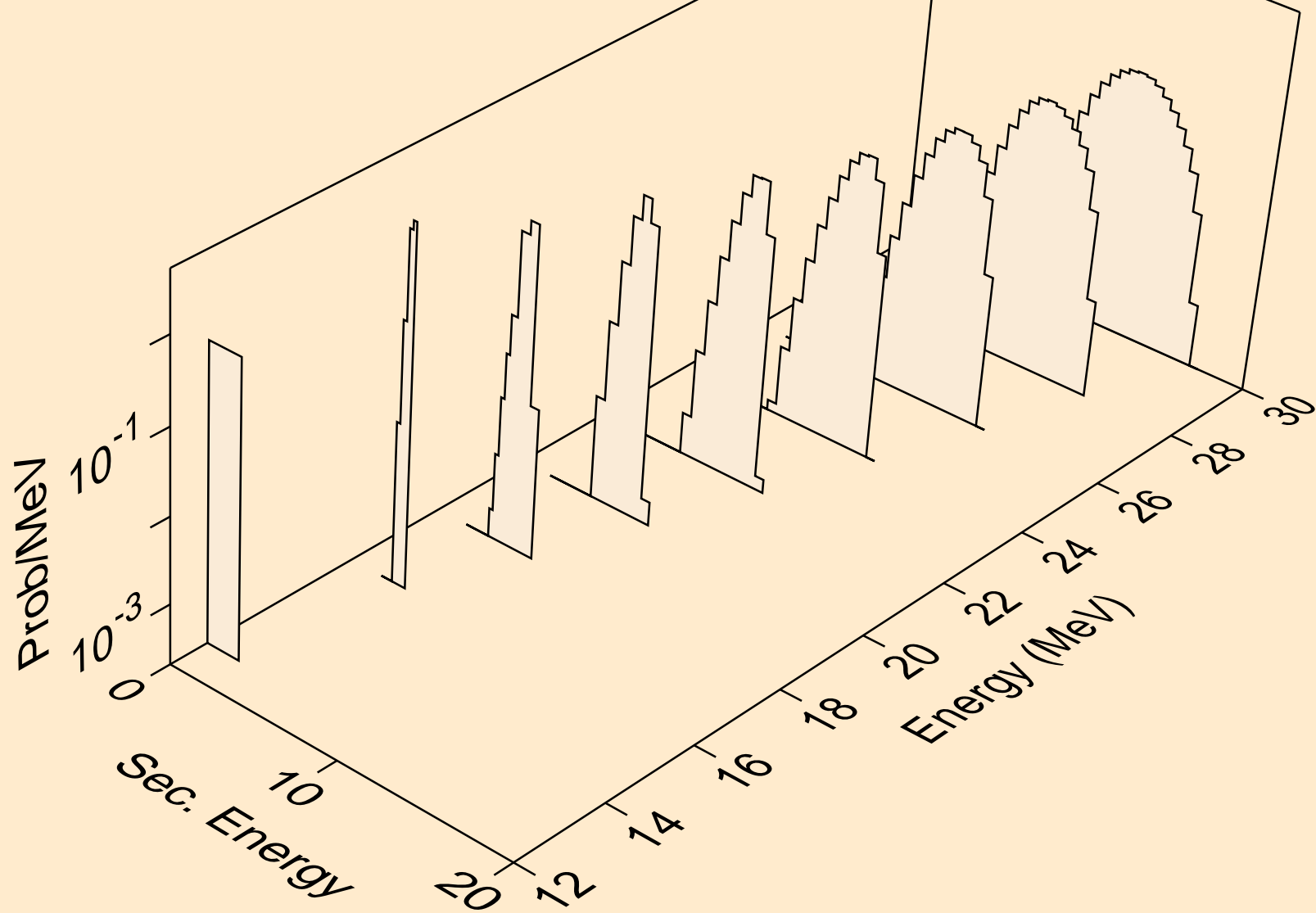
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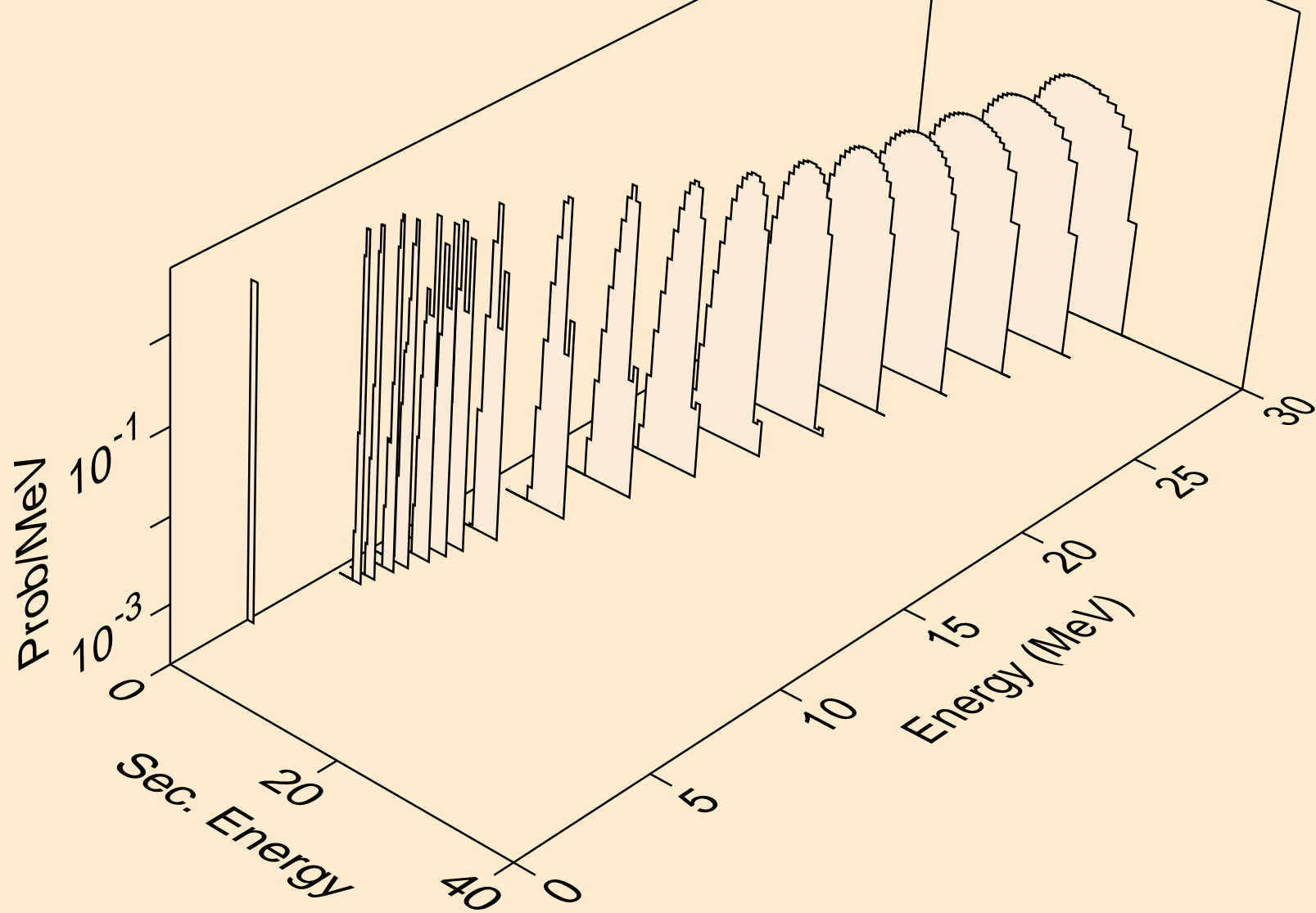
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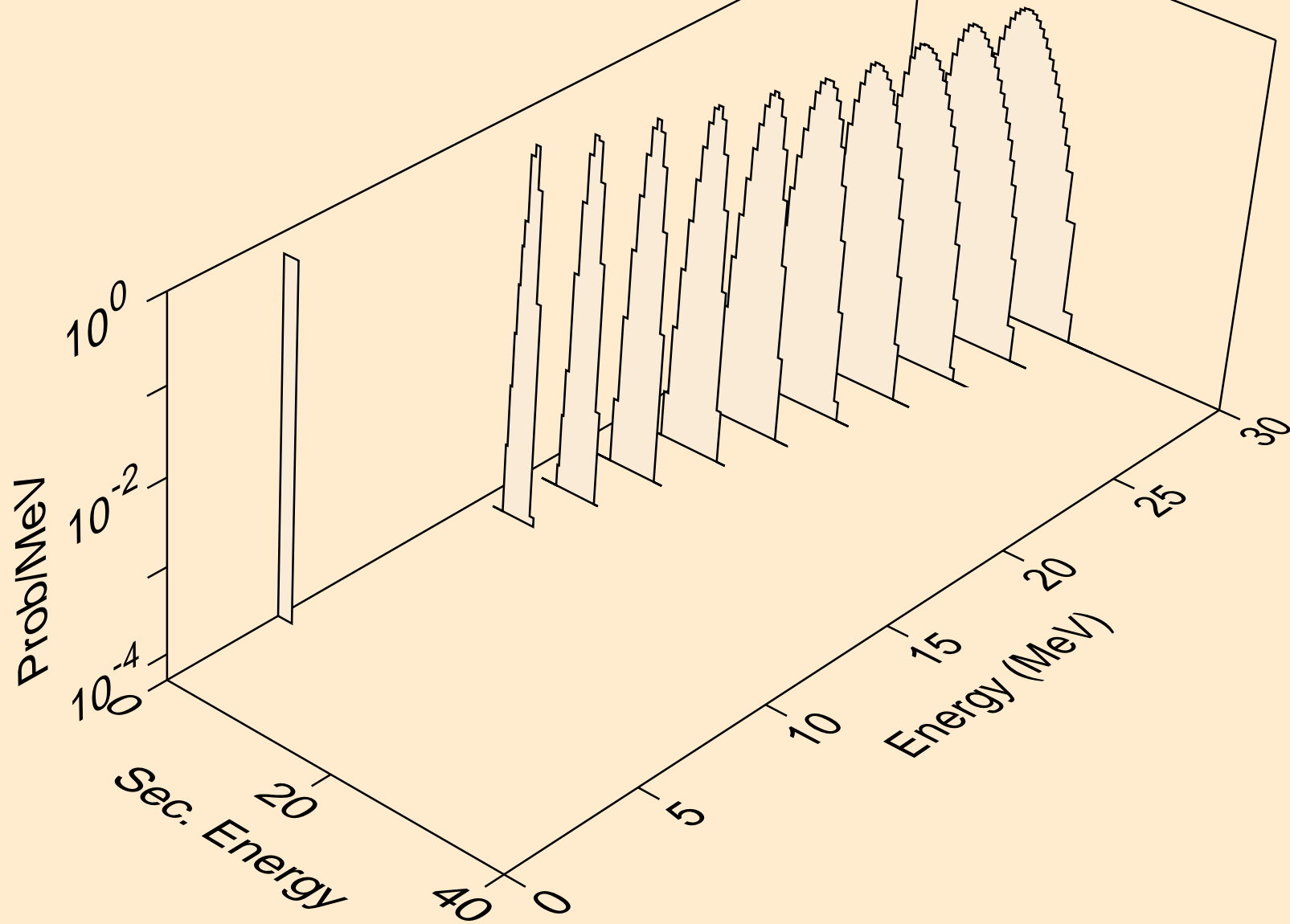
HG185M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,n\*)t



HG185M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,t)

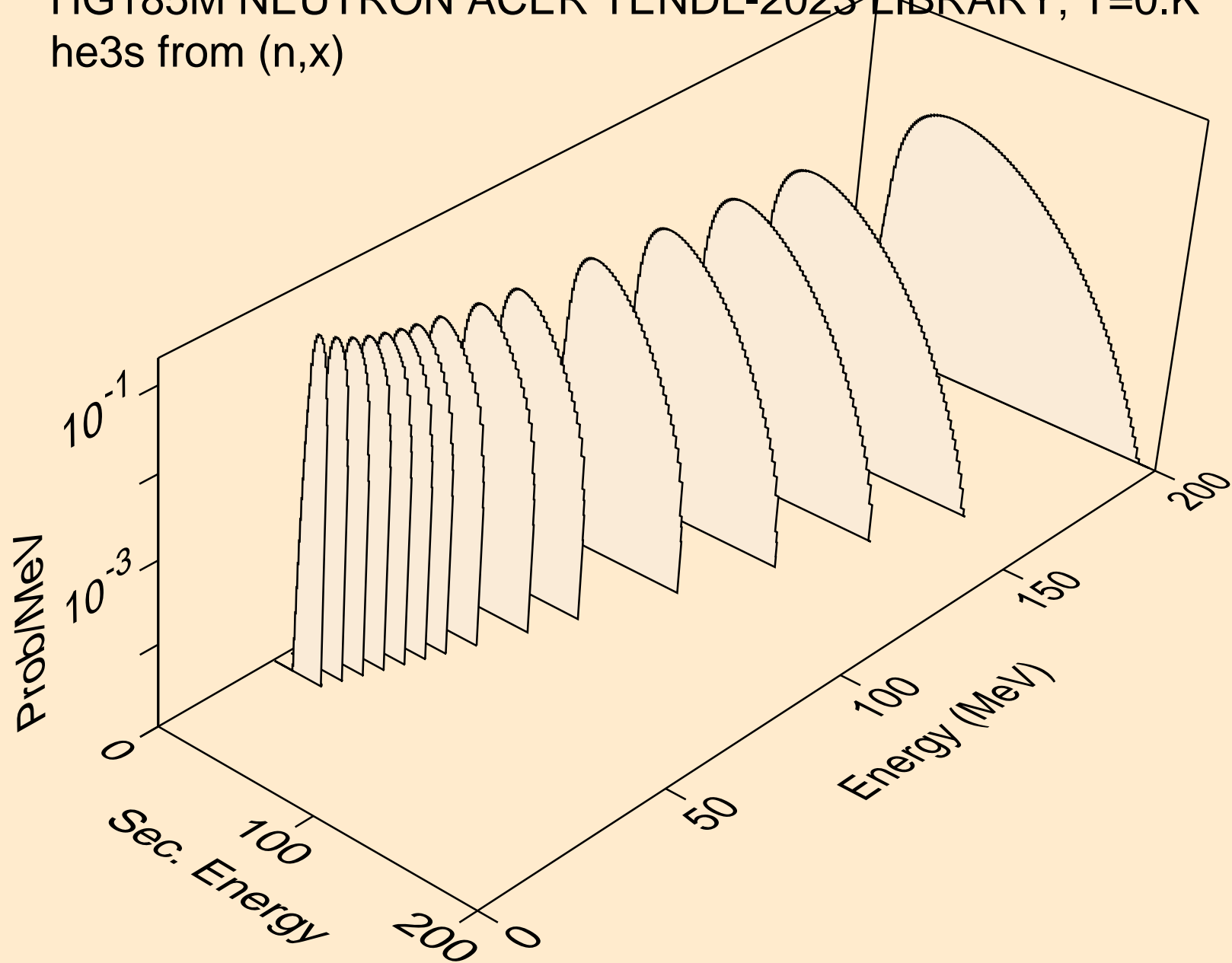


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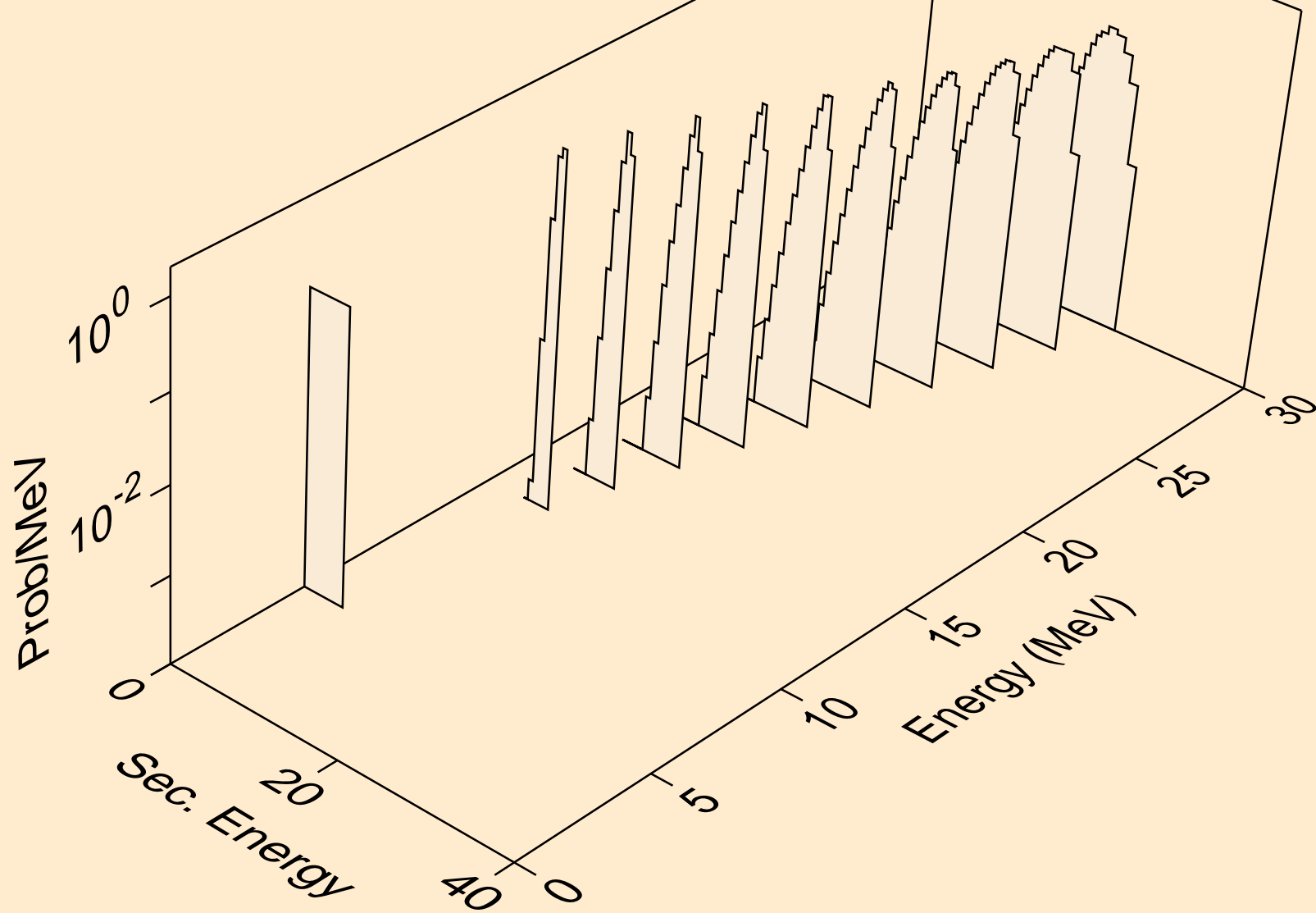




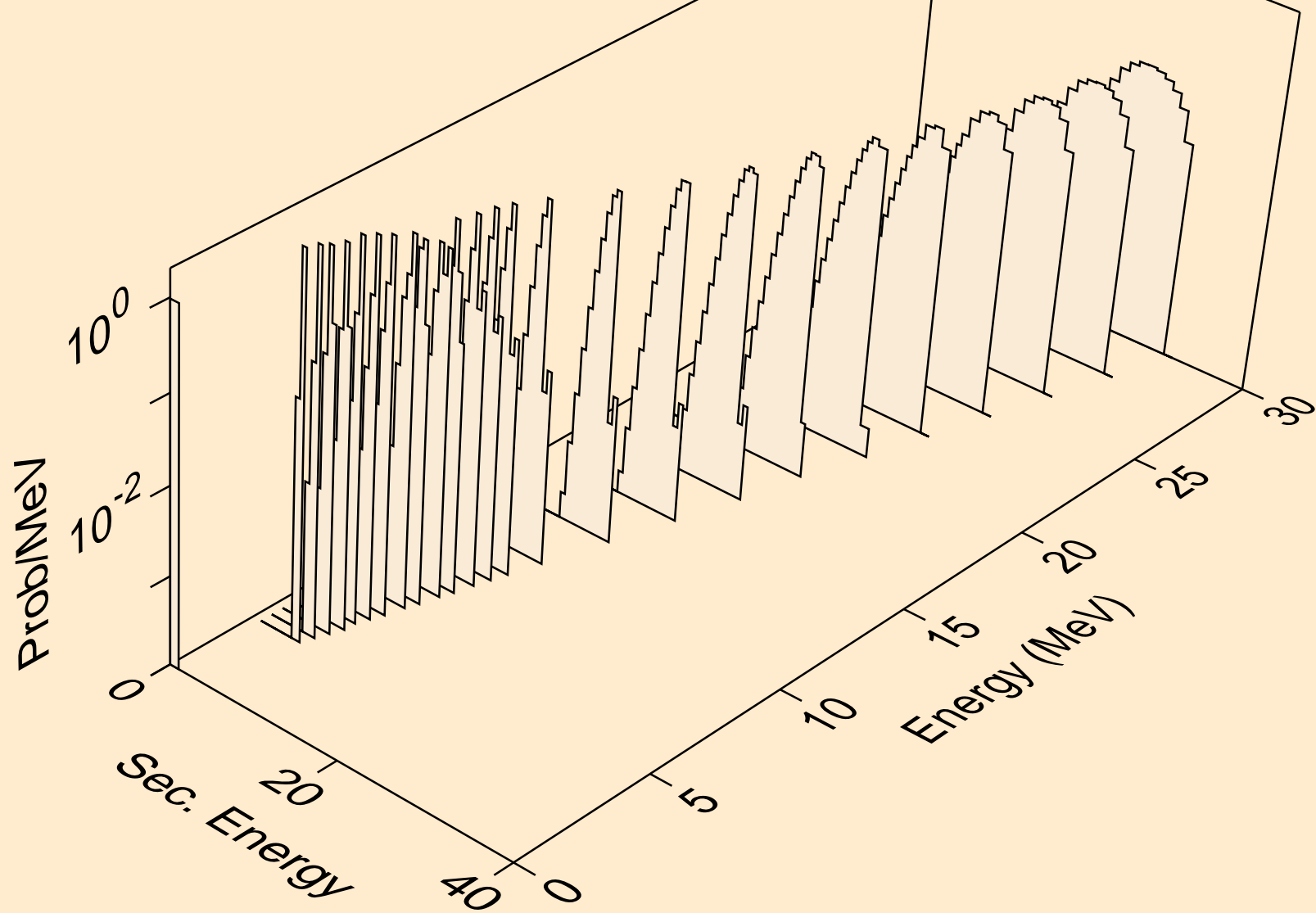
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he3s from (n,x)



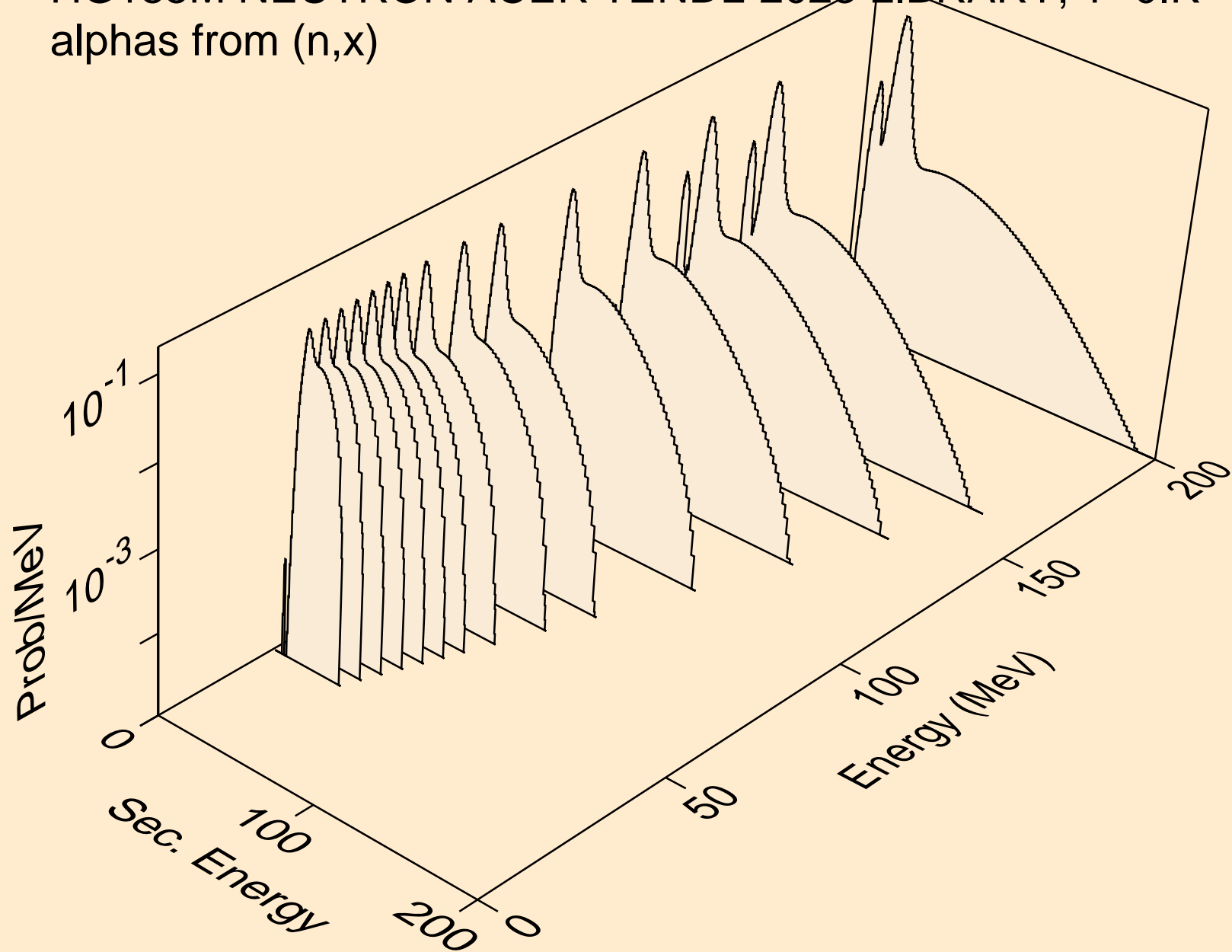
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he3s from (n,n\*)he3



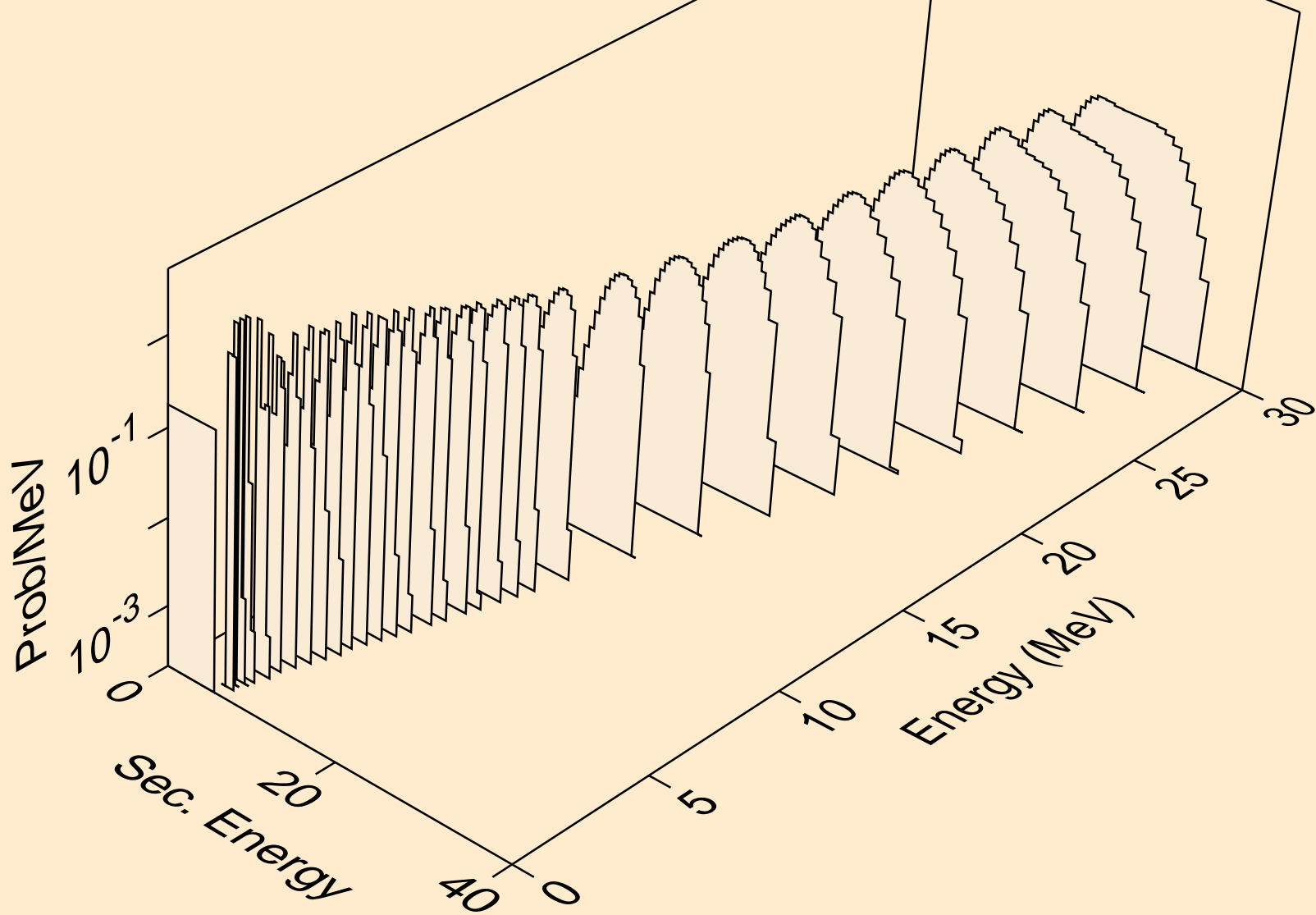
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he3s from (n,he3)



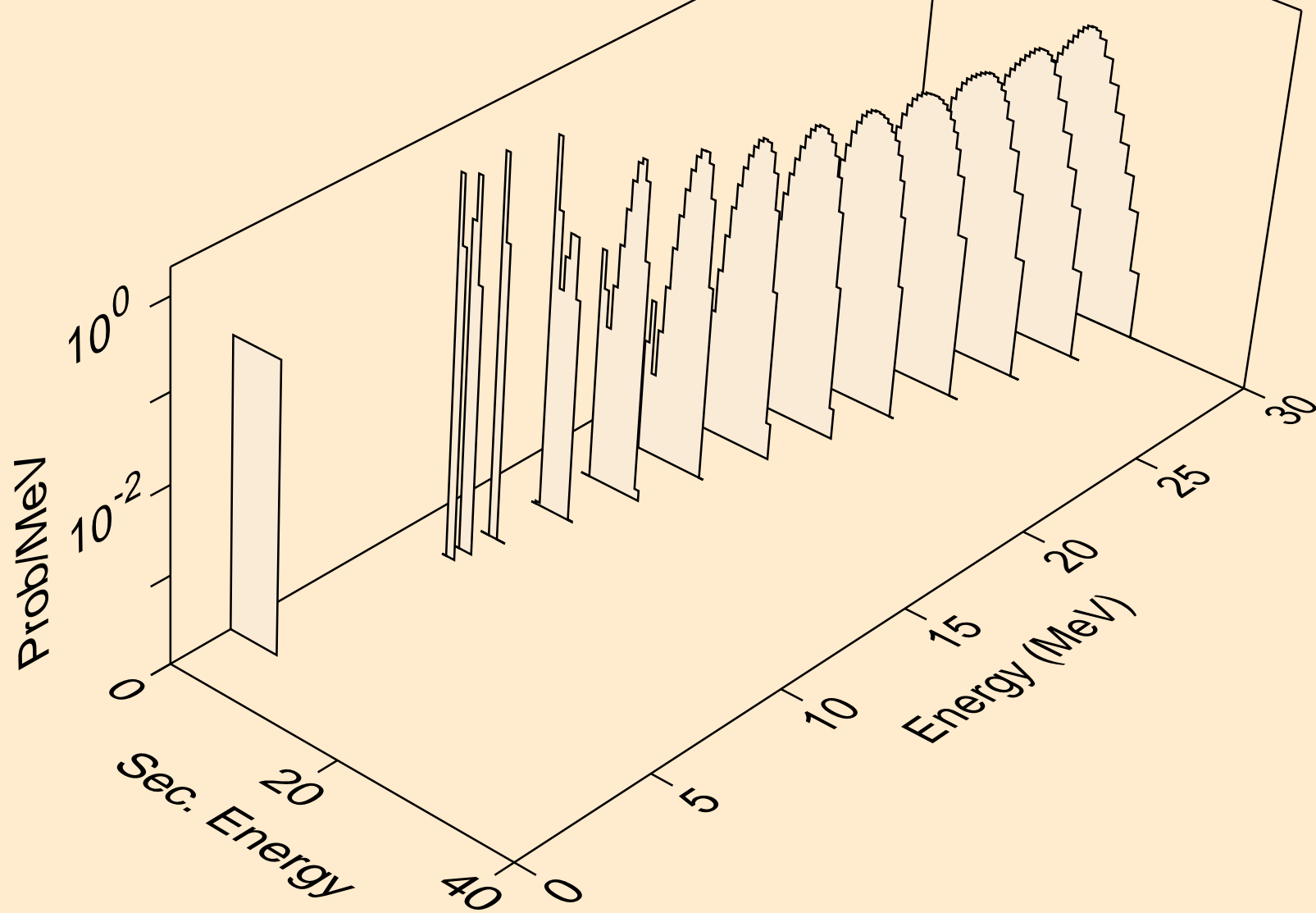
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alphas from (n,x)



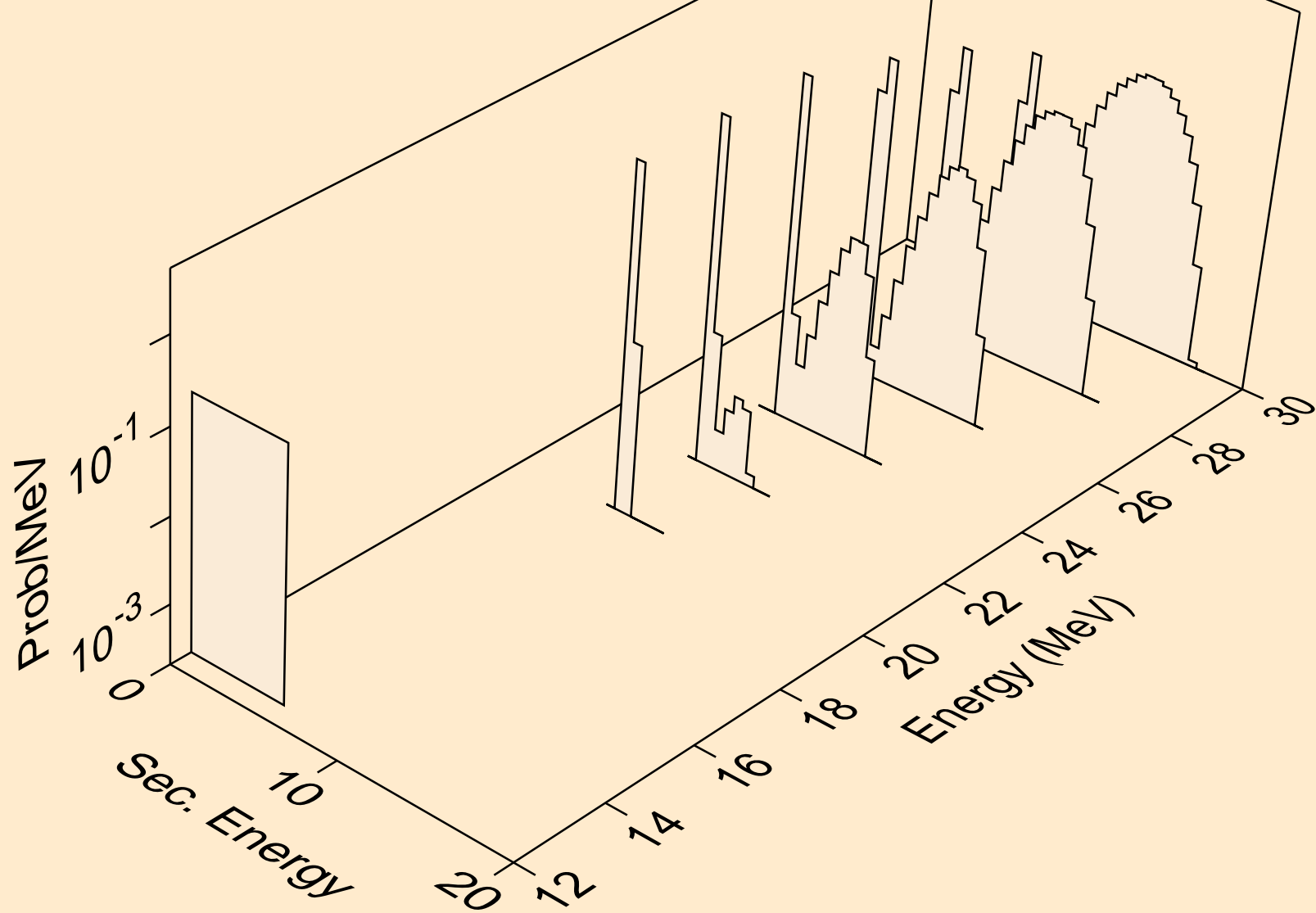
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alphas from (n,n\*)a



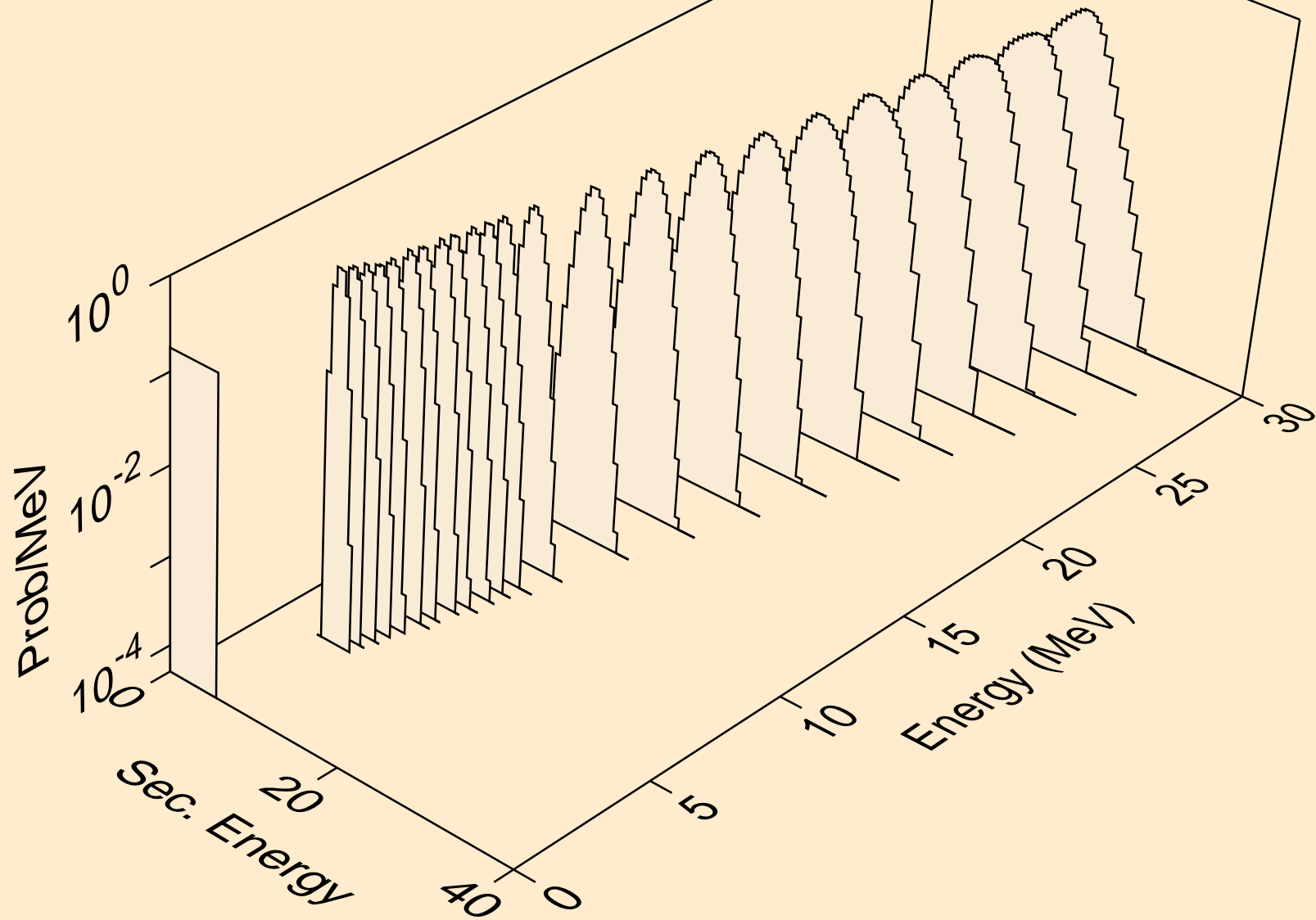
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alphas from (n,2n)a



HG185M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
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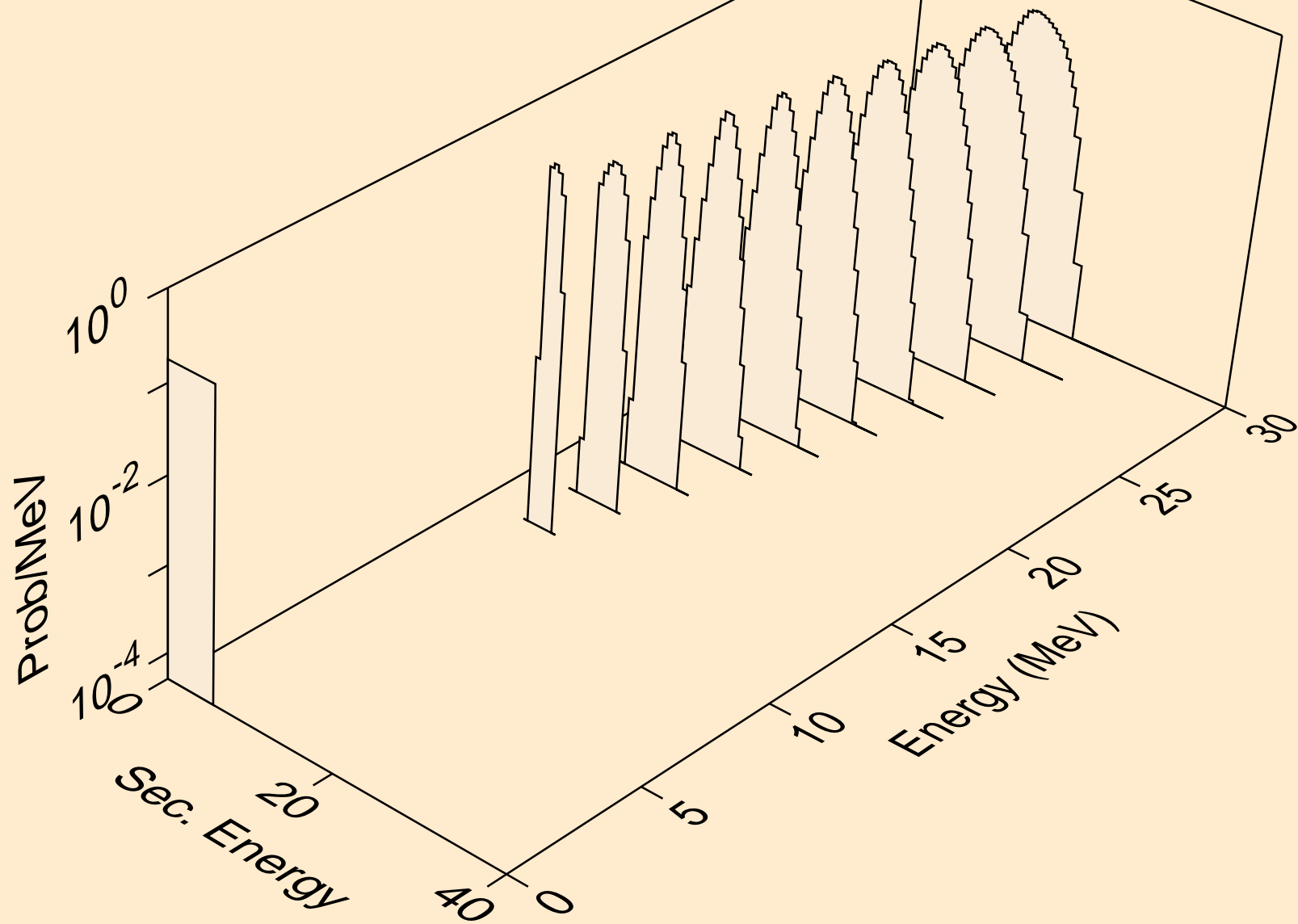


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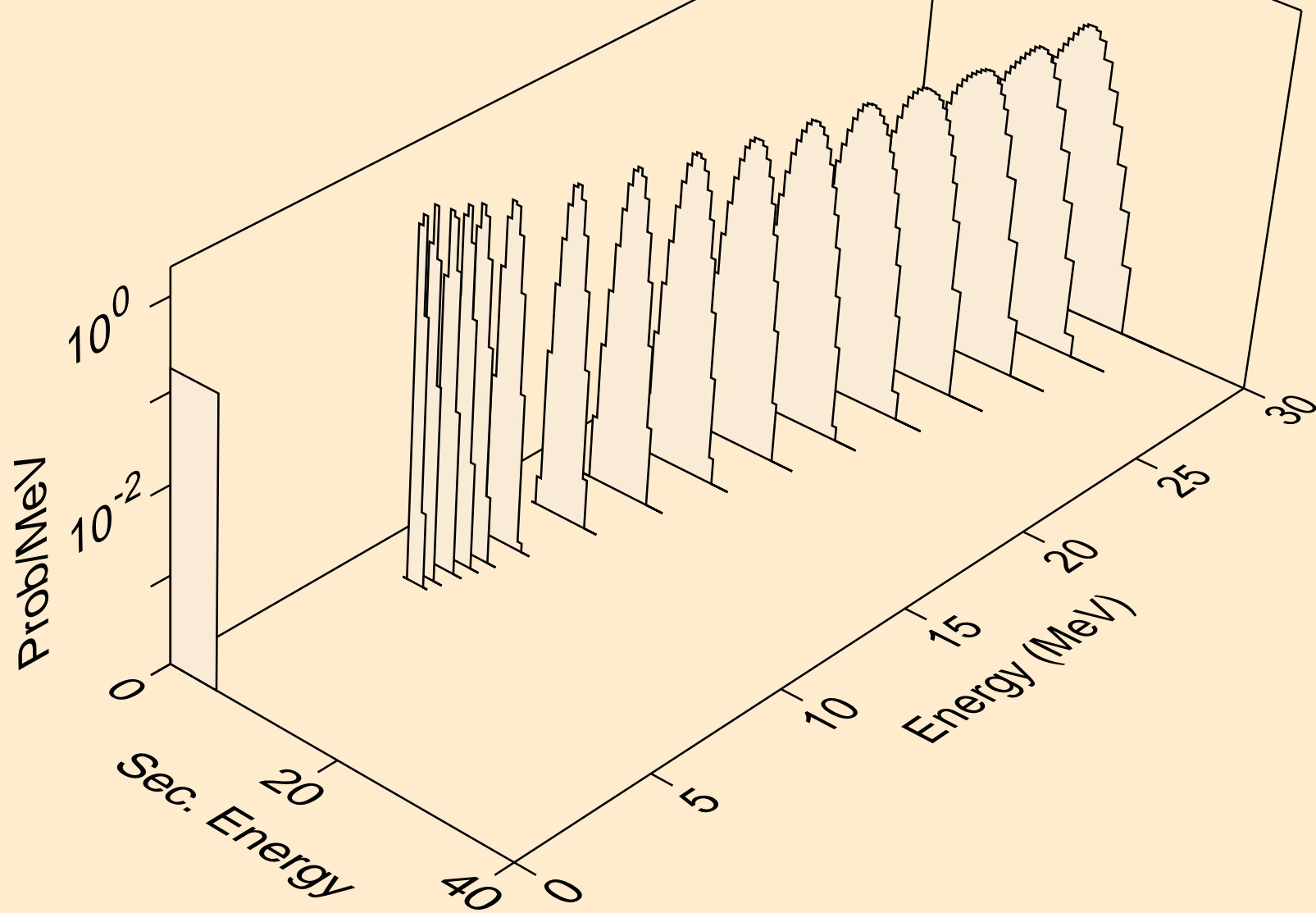




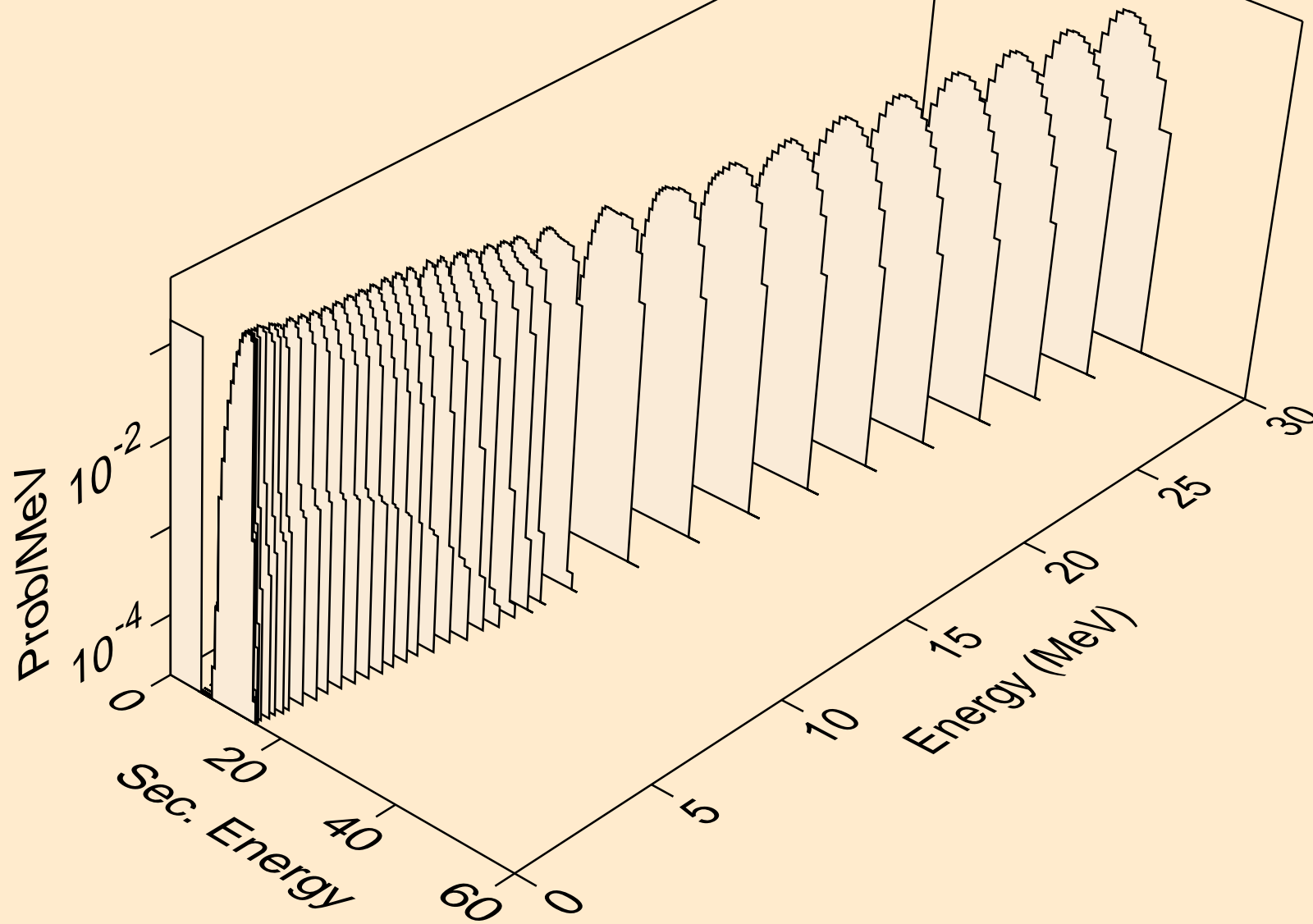
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alphas from (n,2n)2a



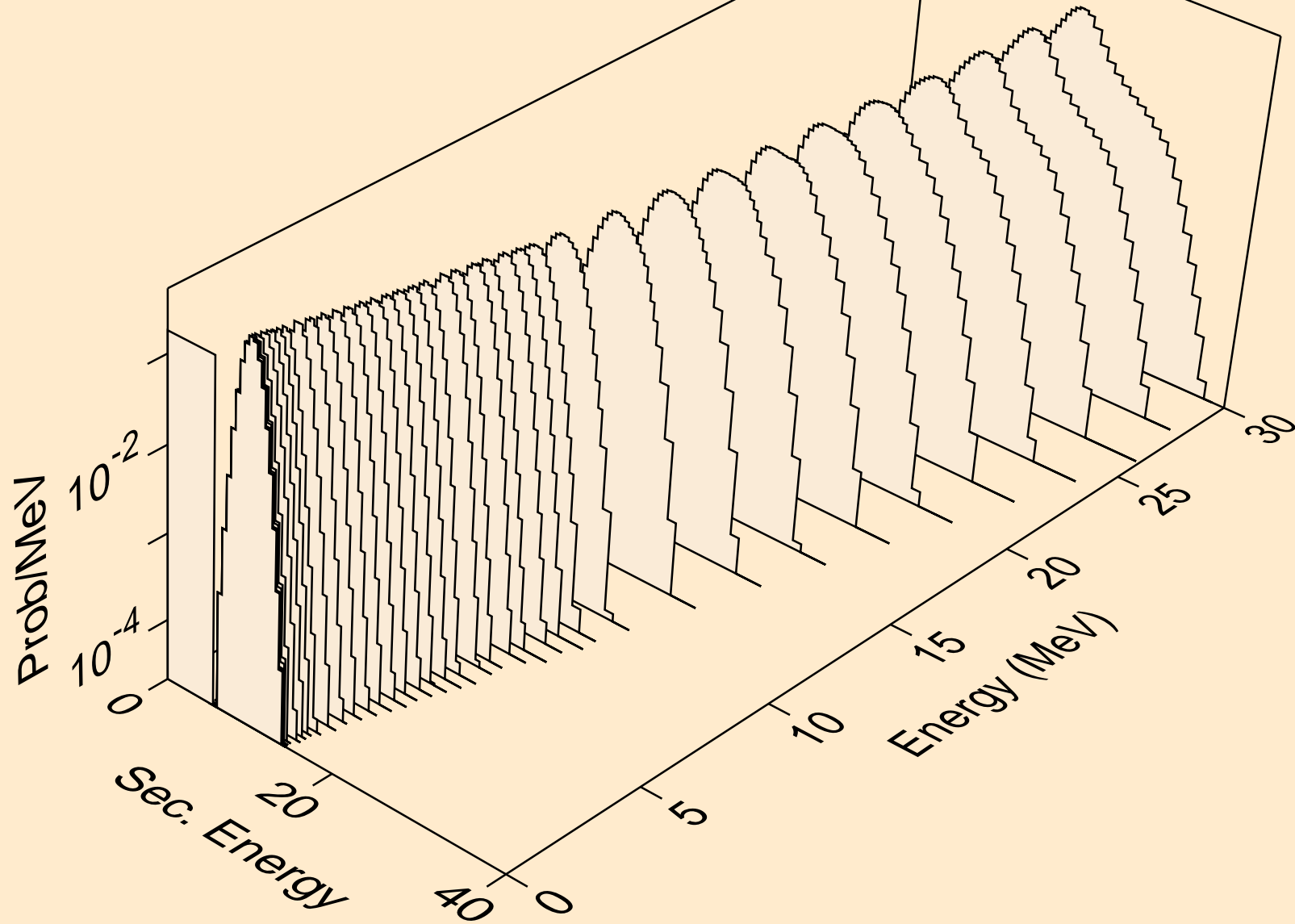
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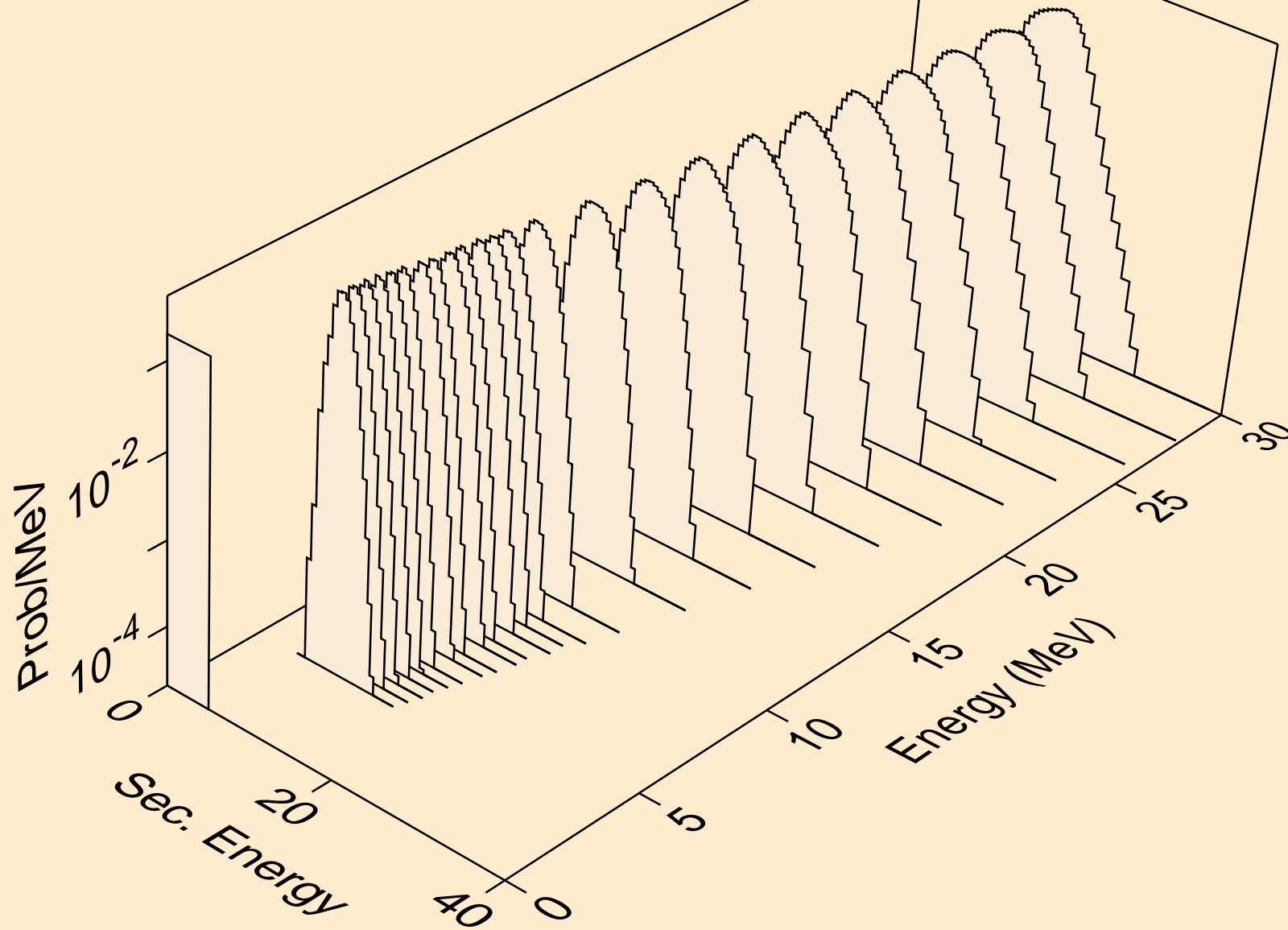
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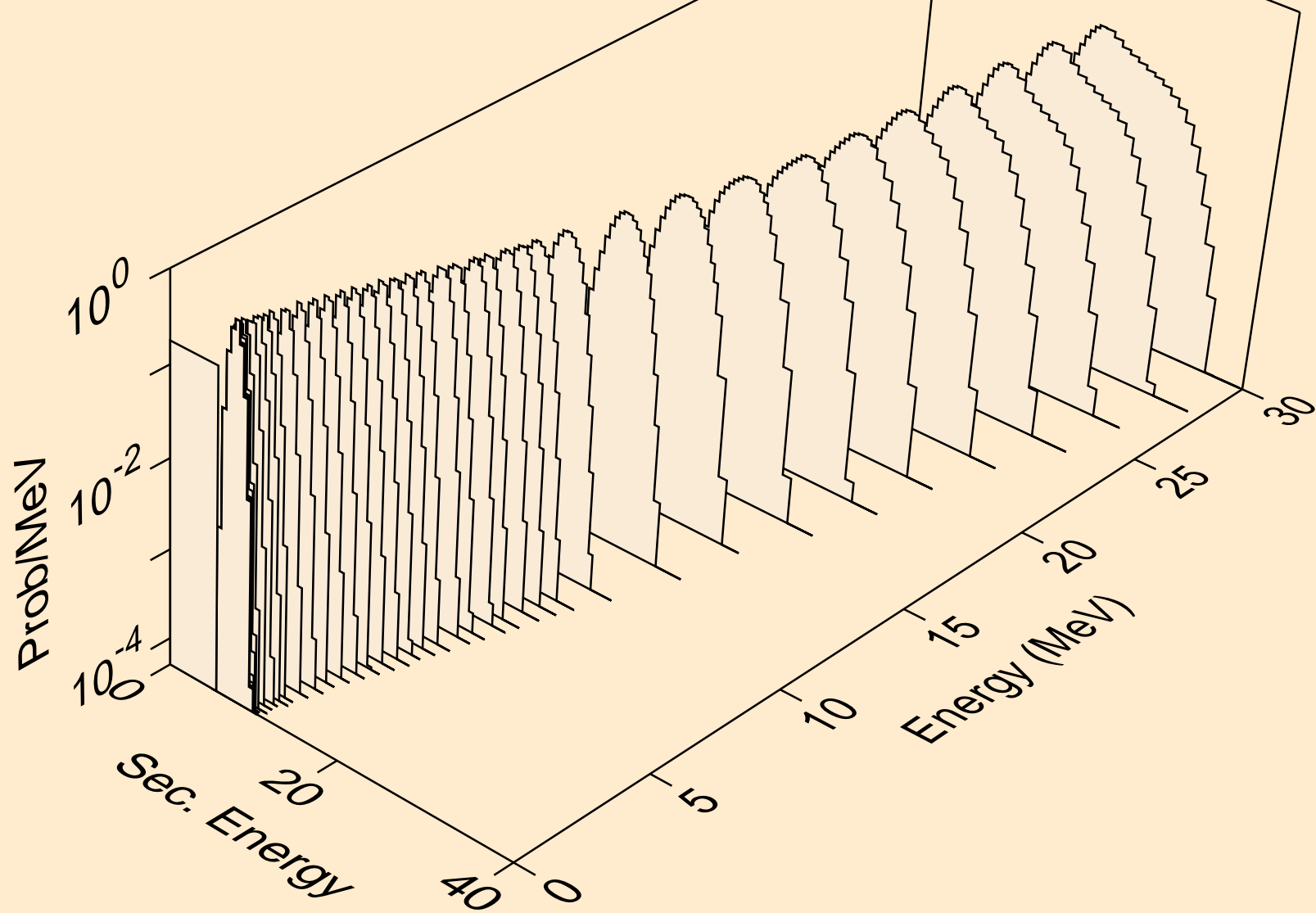
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alphas from (n,2a)



HG185M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,3a)



HG185M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,pa)



HG185M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,da)

