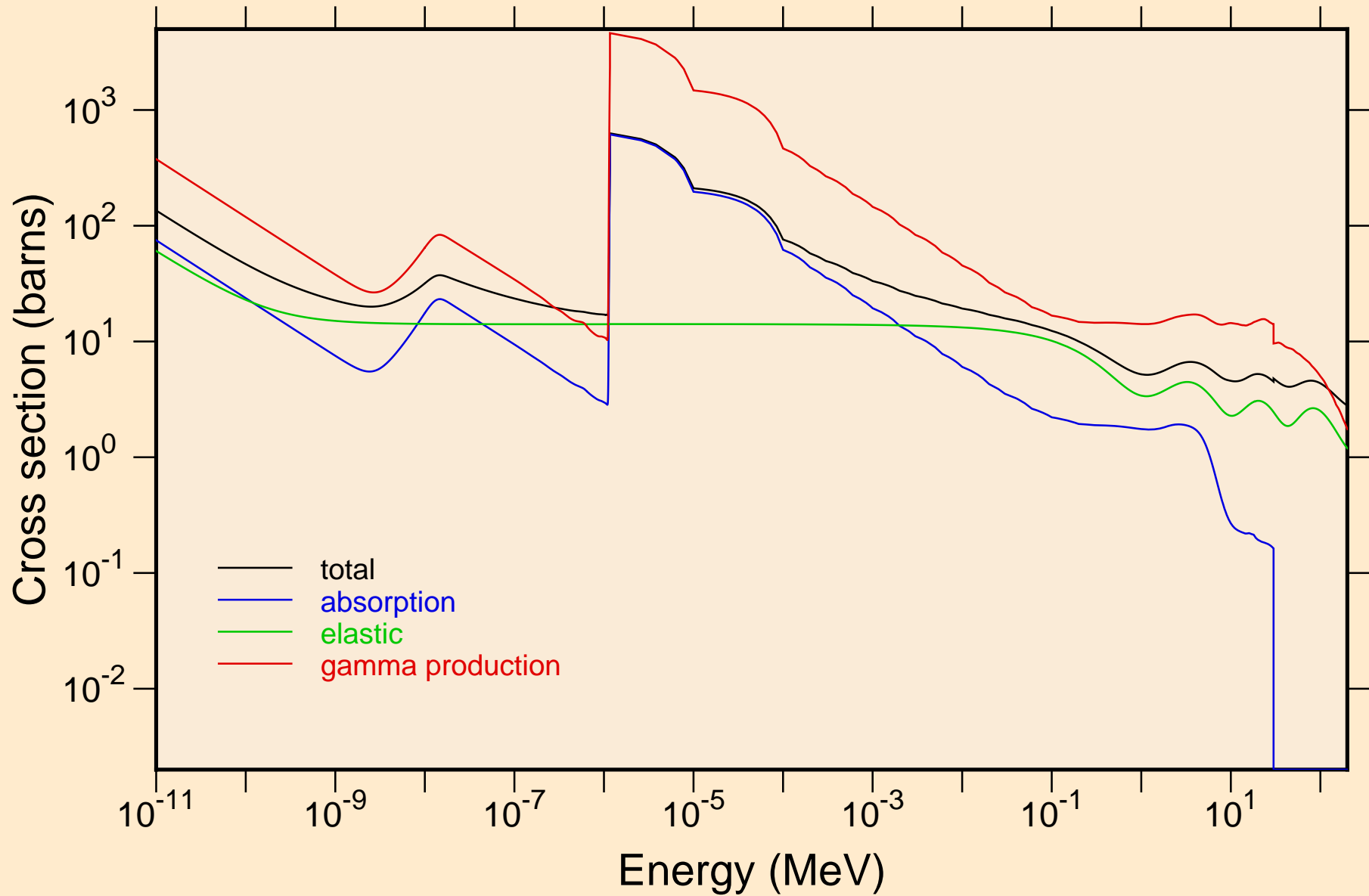
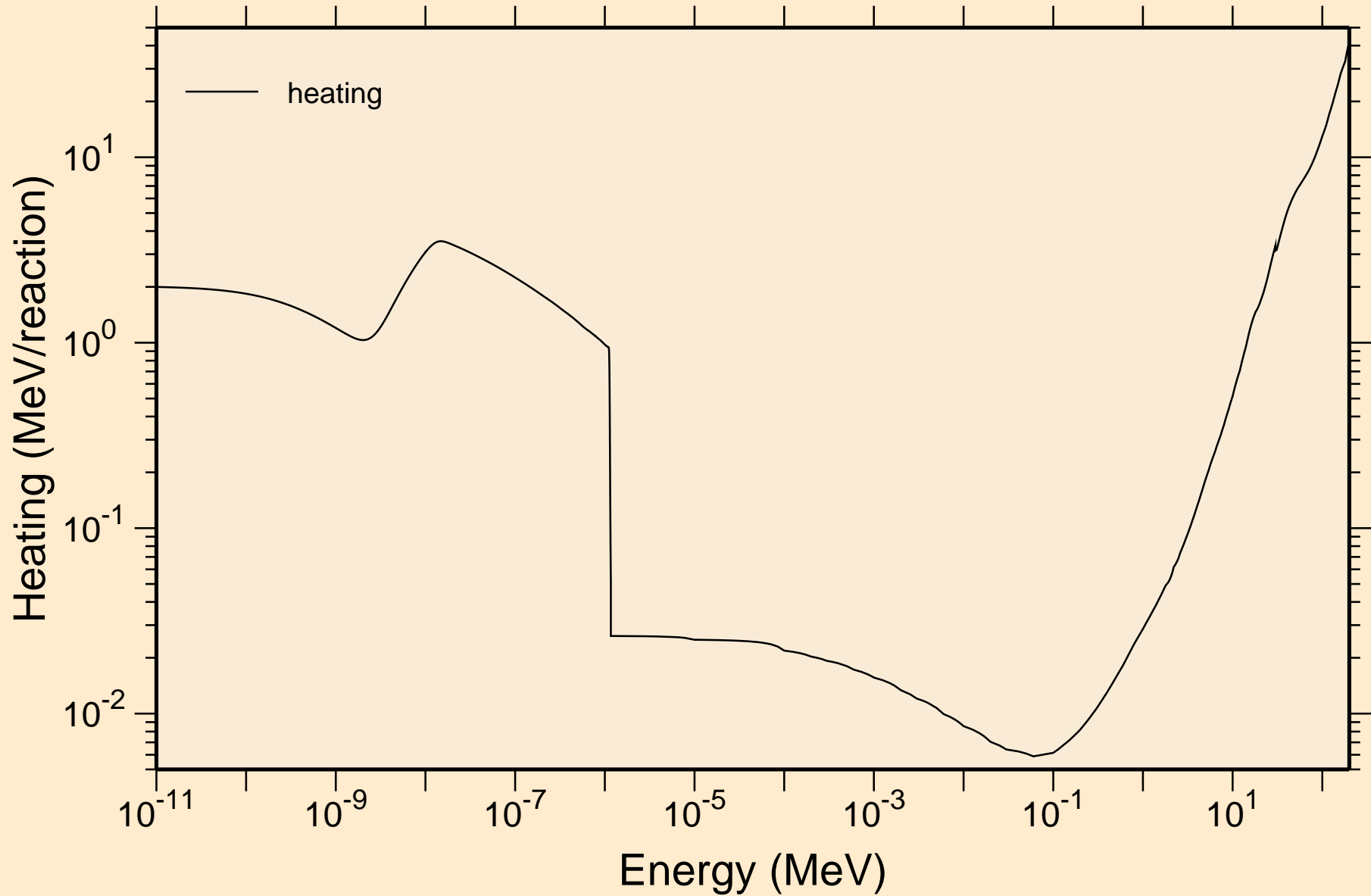


# HG185M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

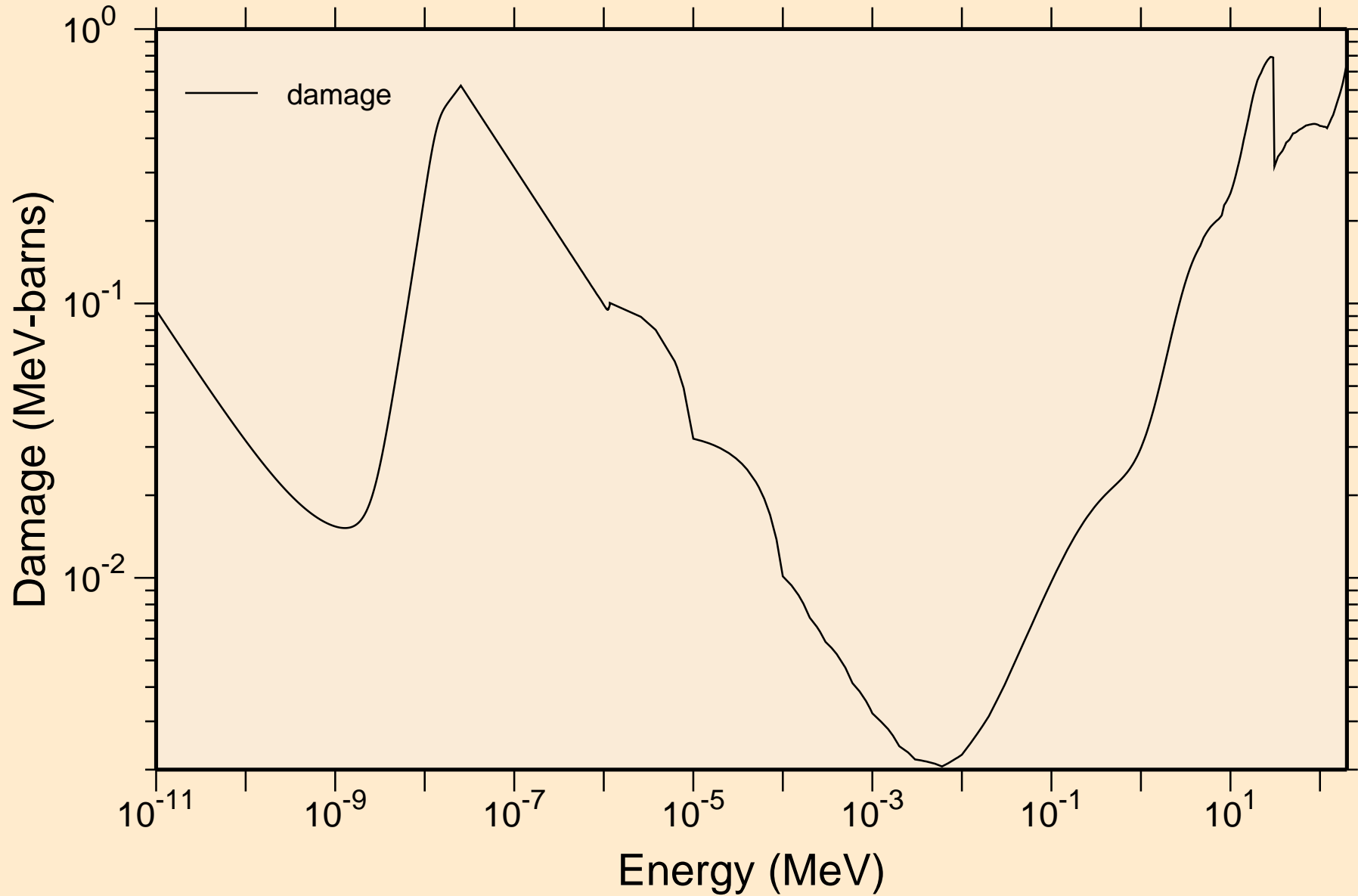
## Principal cross sections



HG185M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Heating

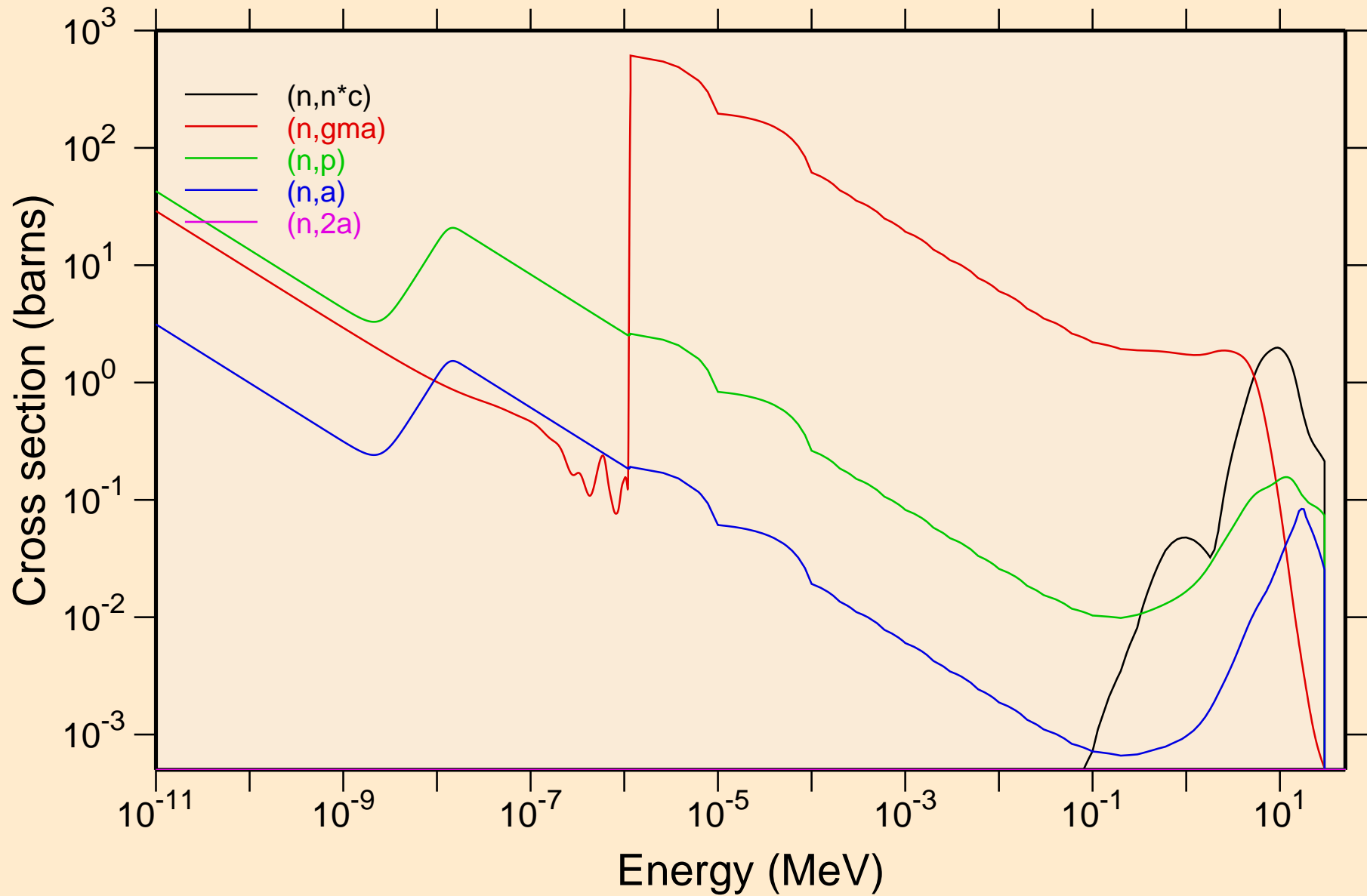


HG185M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Damage

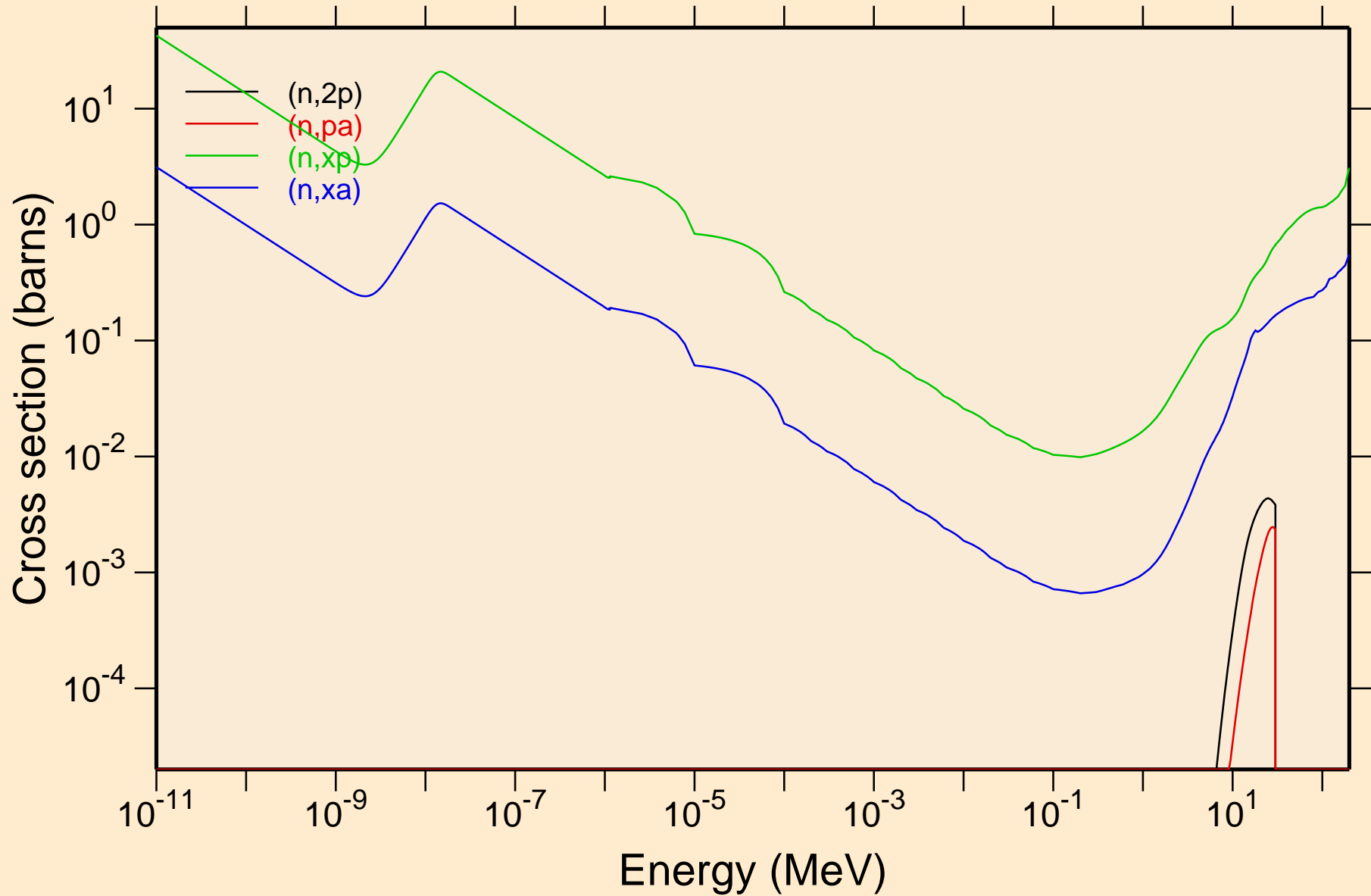


# HG185M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Non-threshold reactions

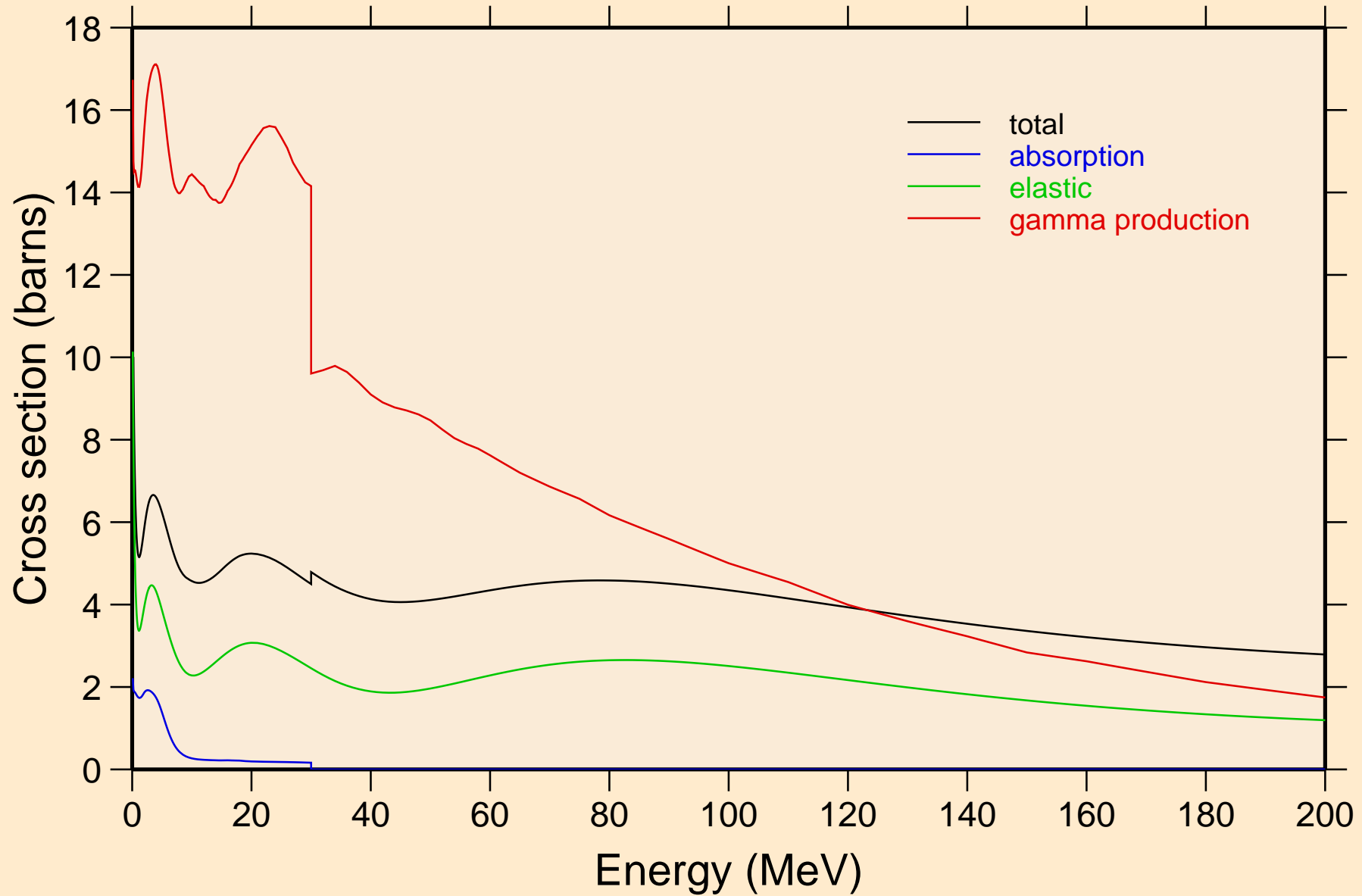


HG185M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions

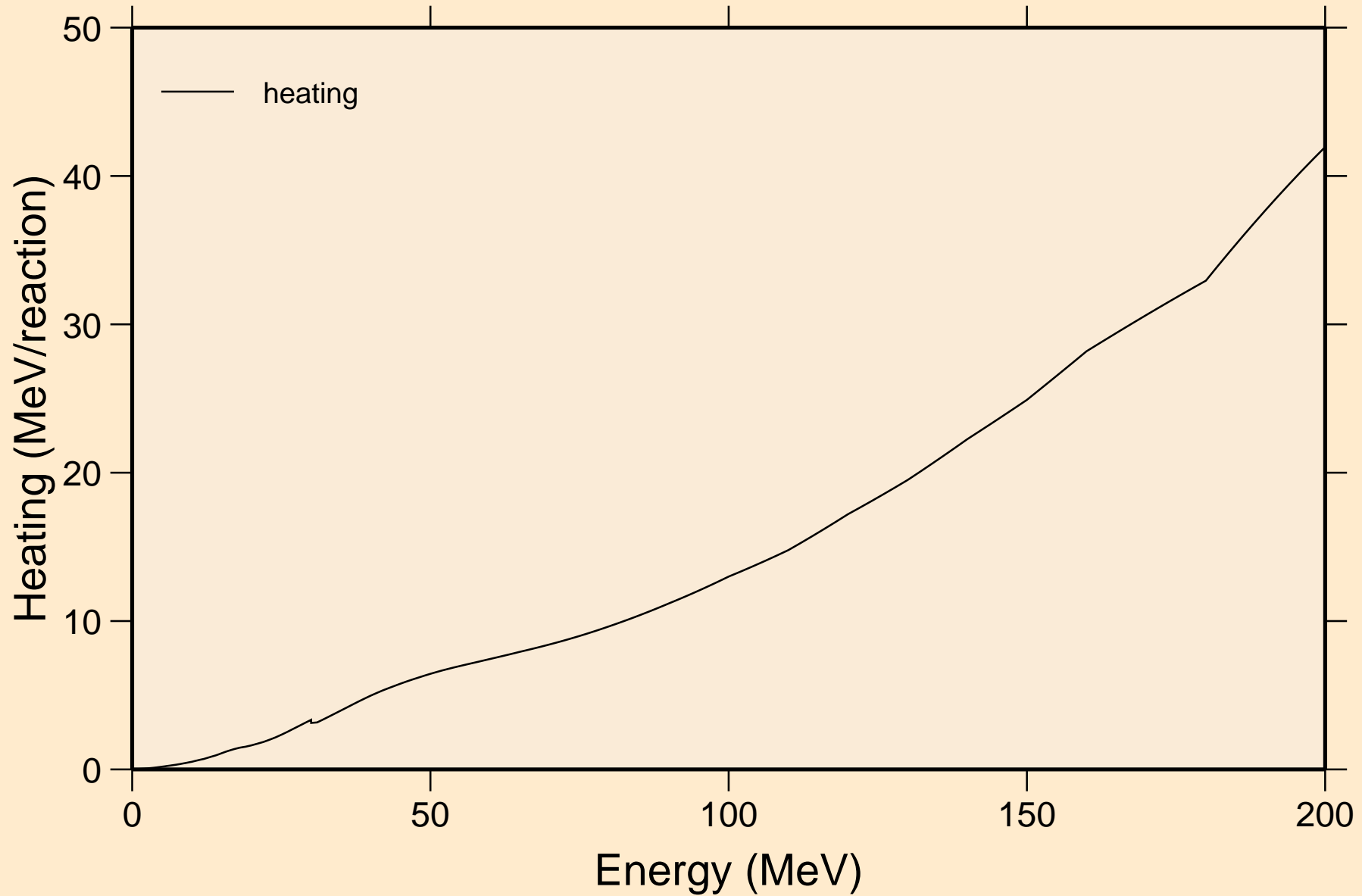


# HG185M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

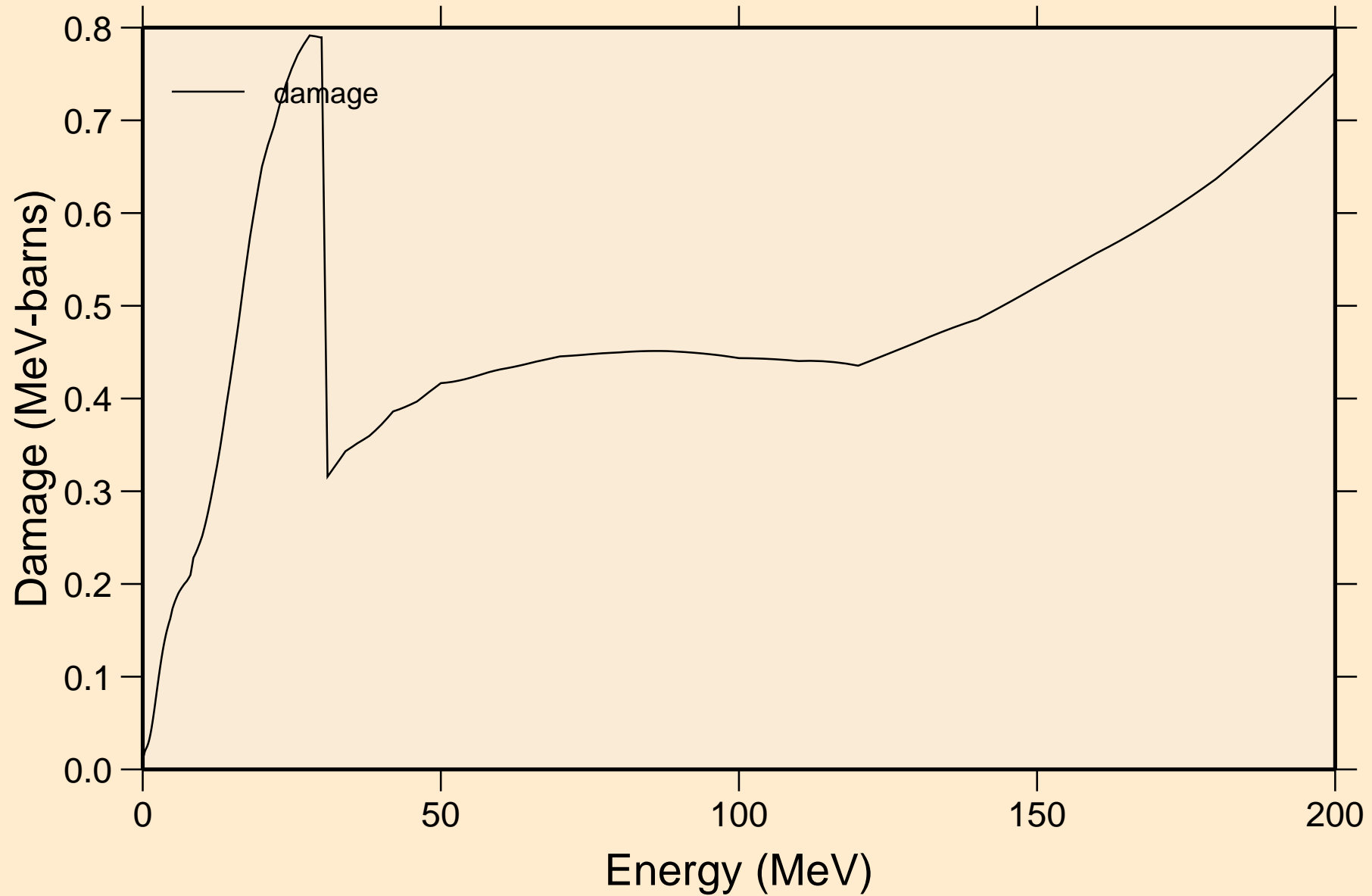
## Principal cross sections



HG185M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Heating



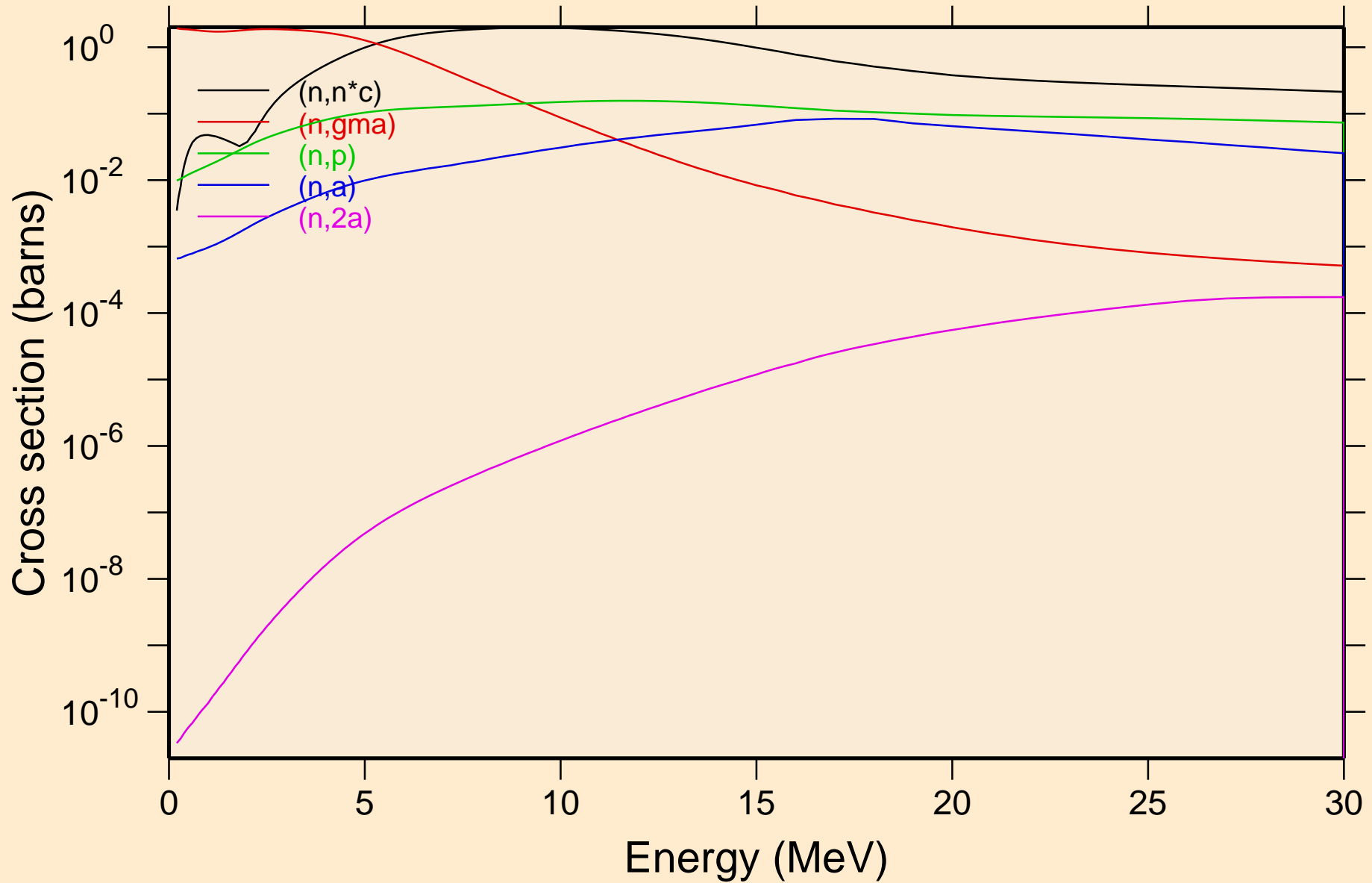
# HG185M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K Damage



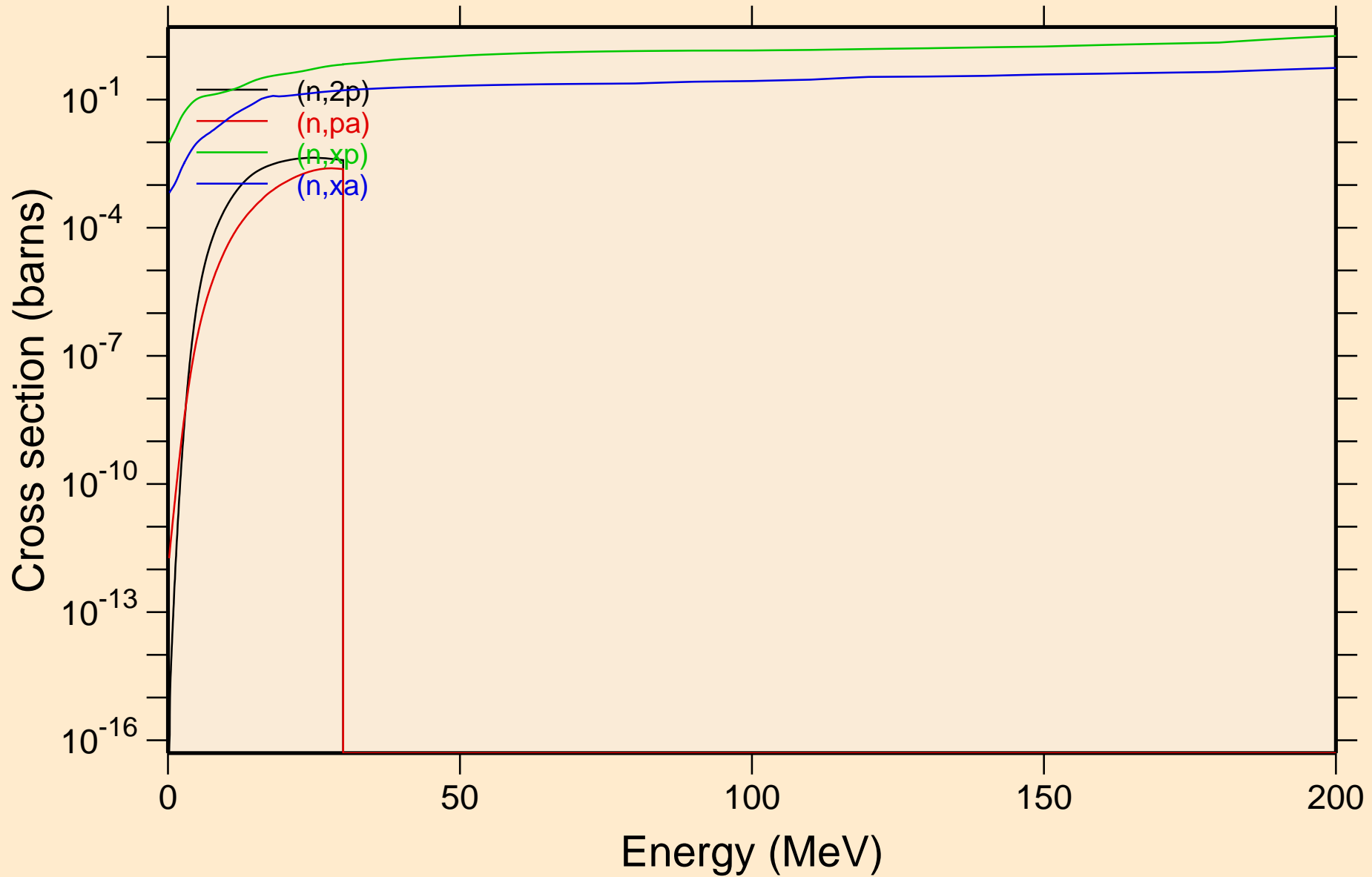


# HG185M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

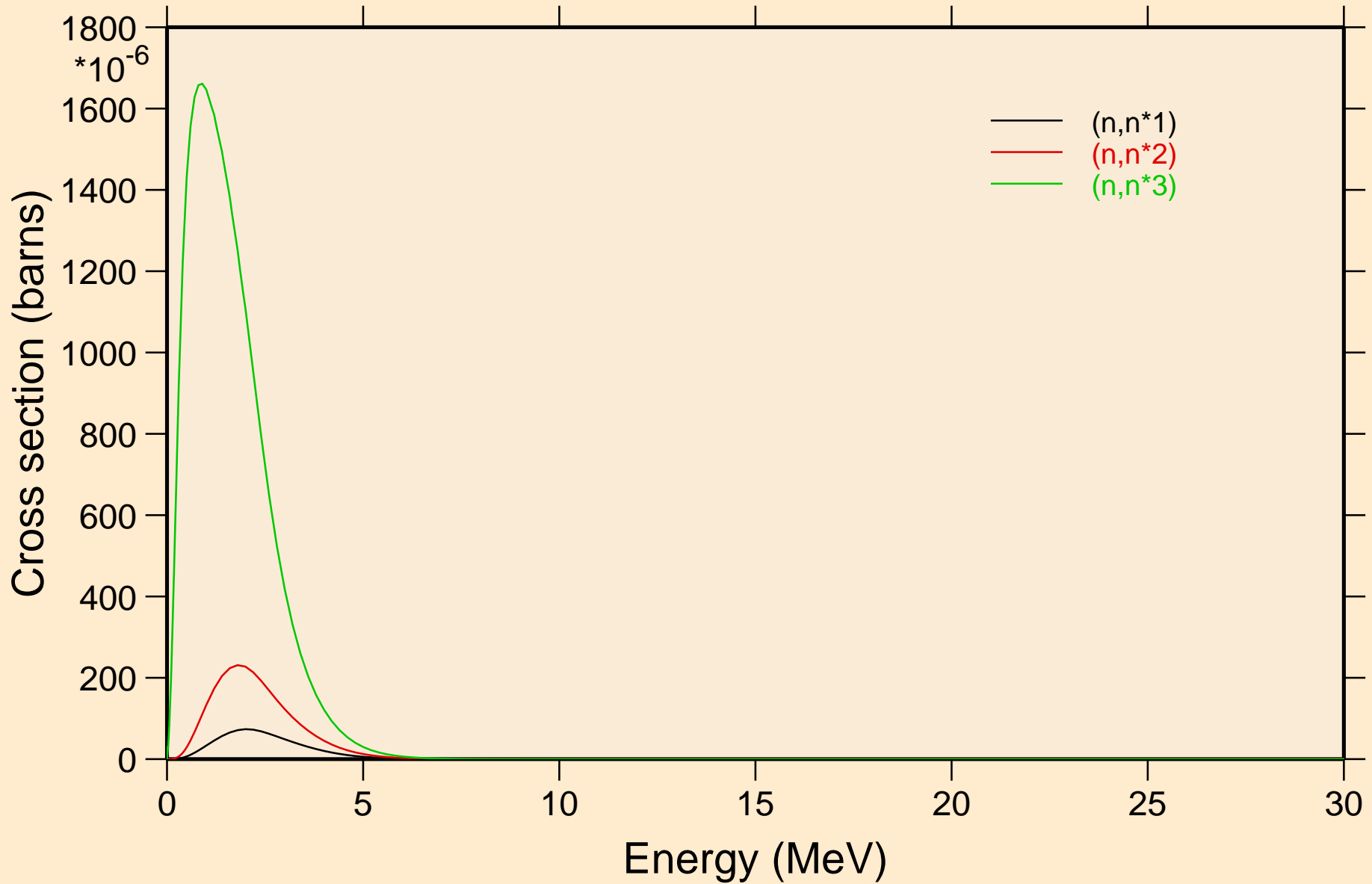
## Non-threshold reactions



HG185M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions

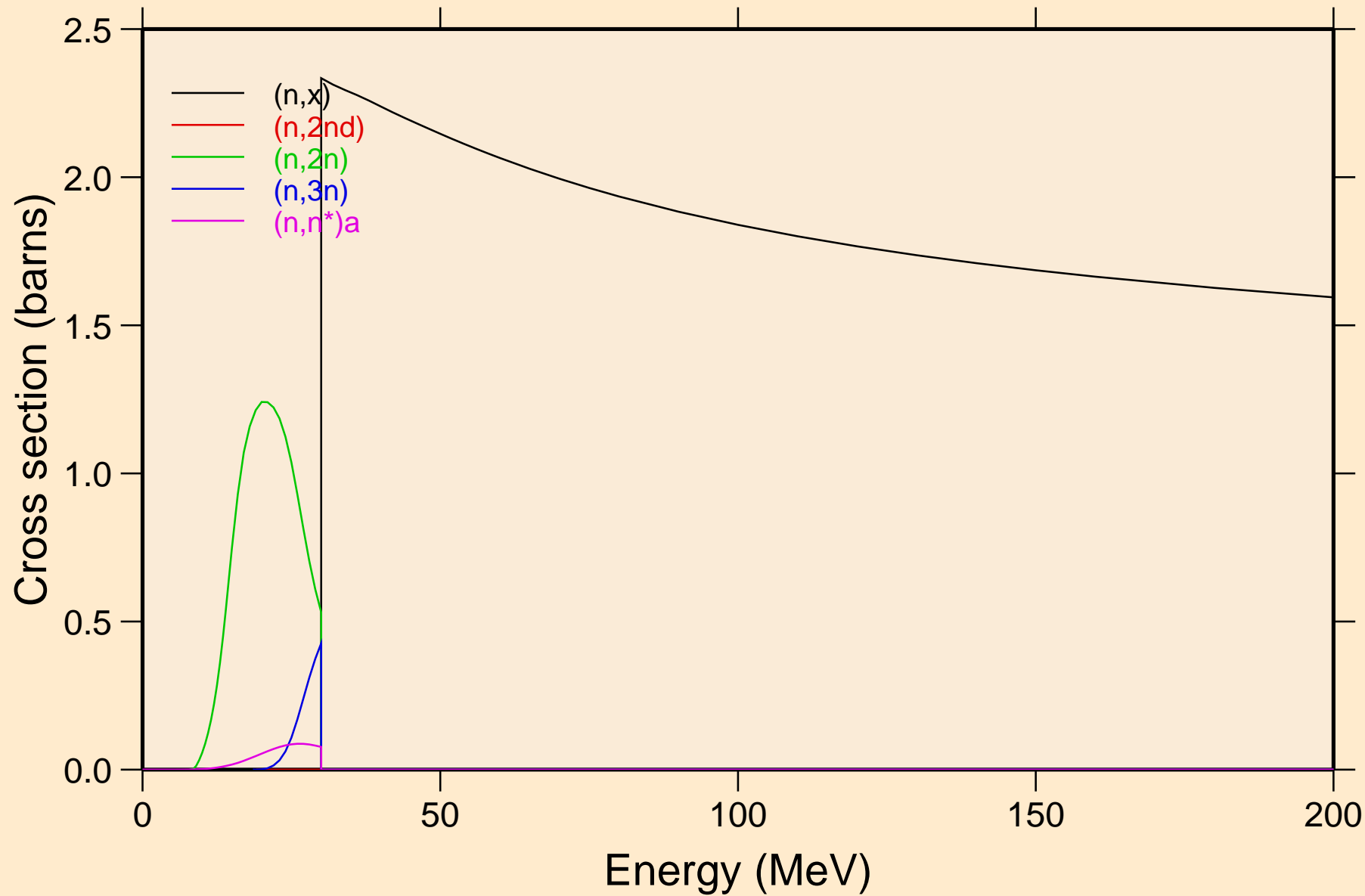


HG185M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



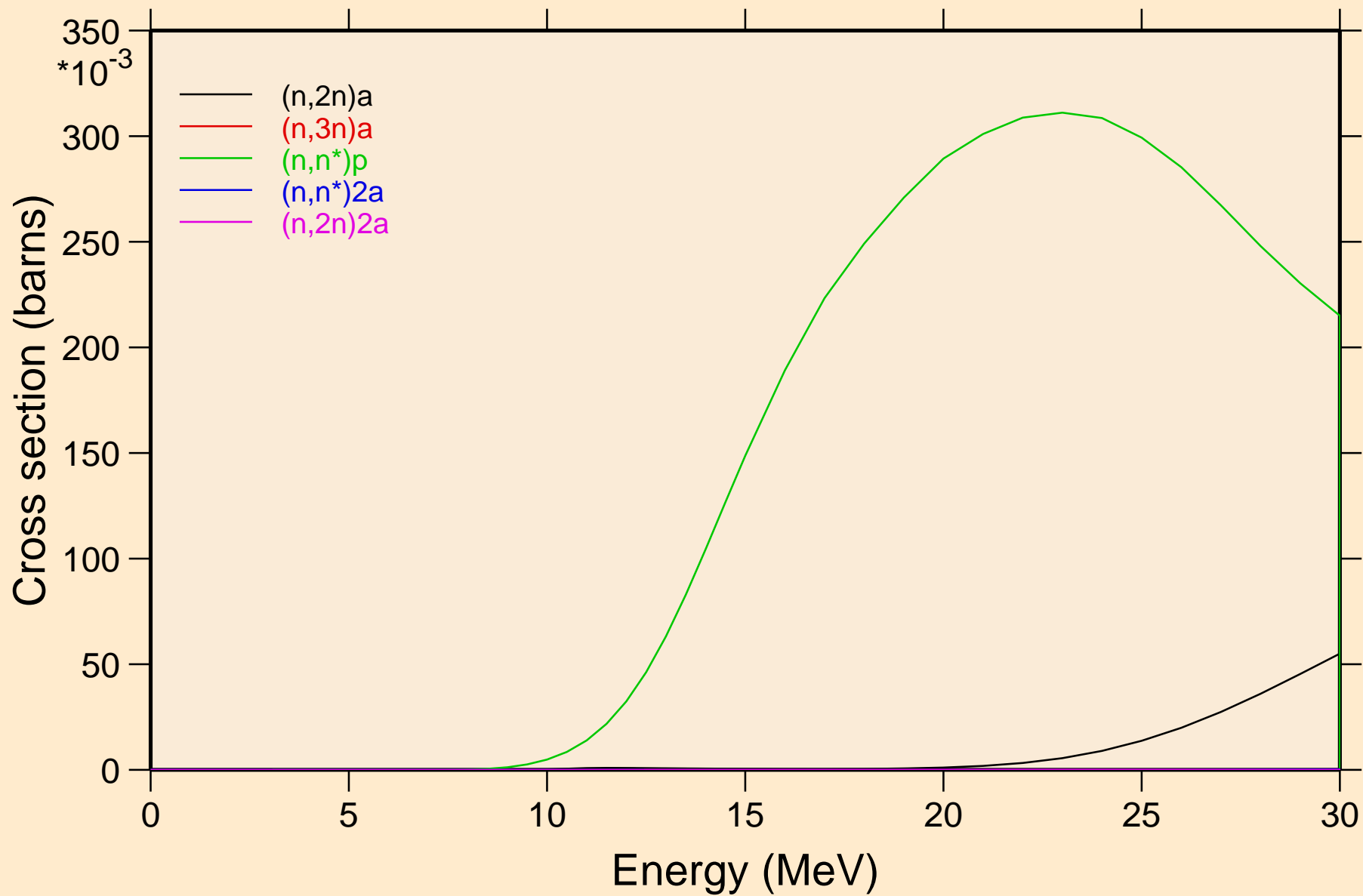
# HG185M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Threshold reactions



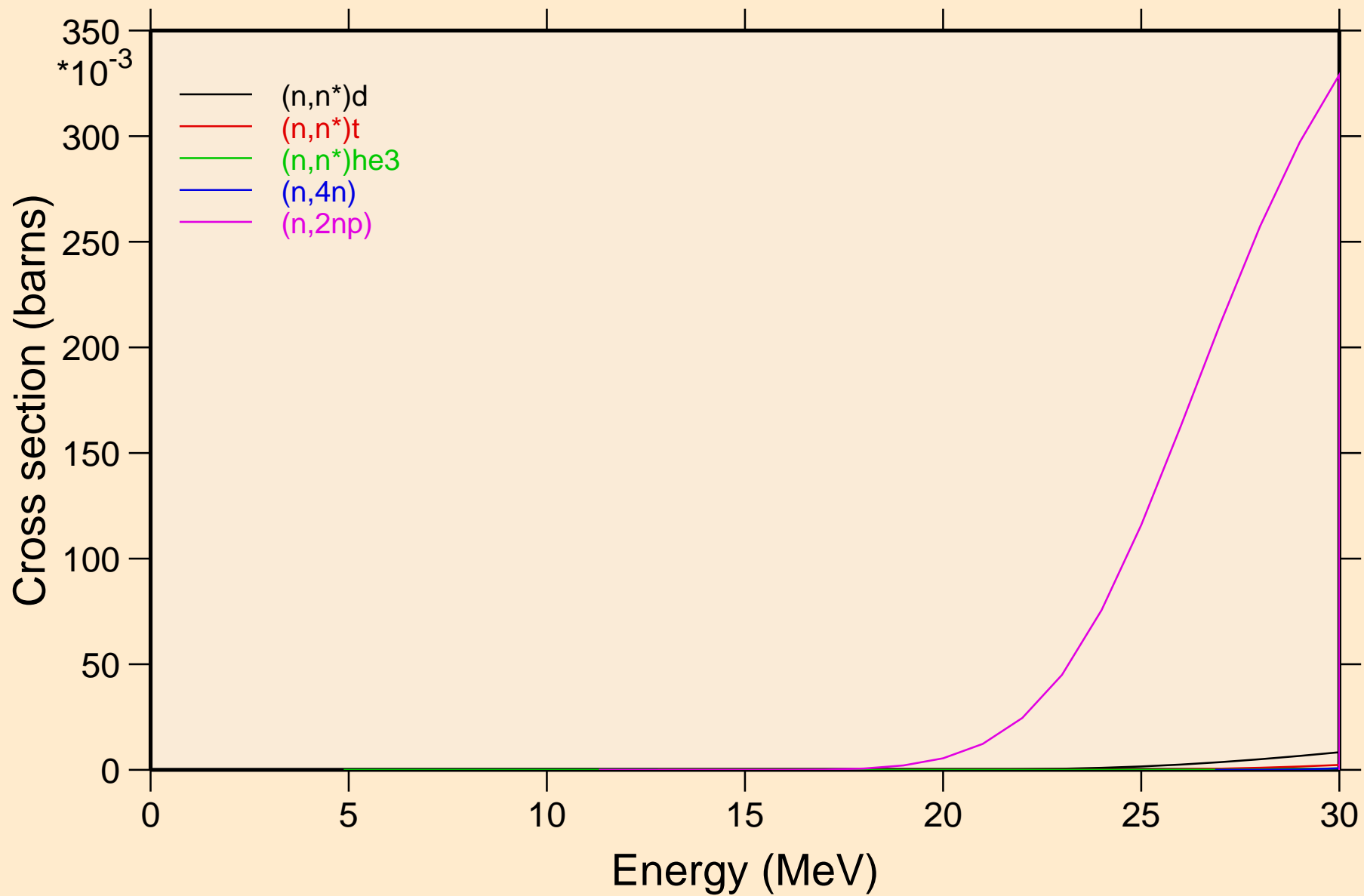
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## Threshold reactions



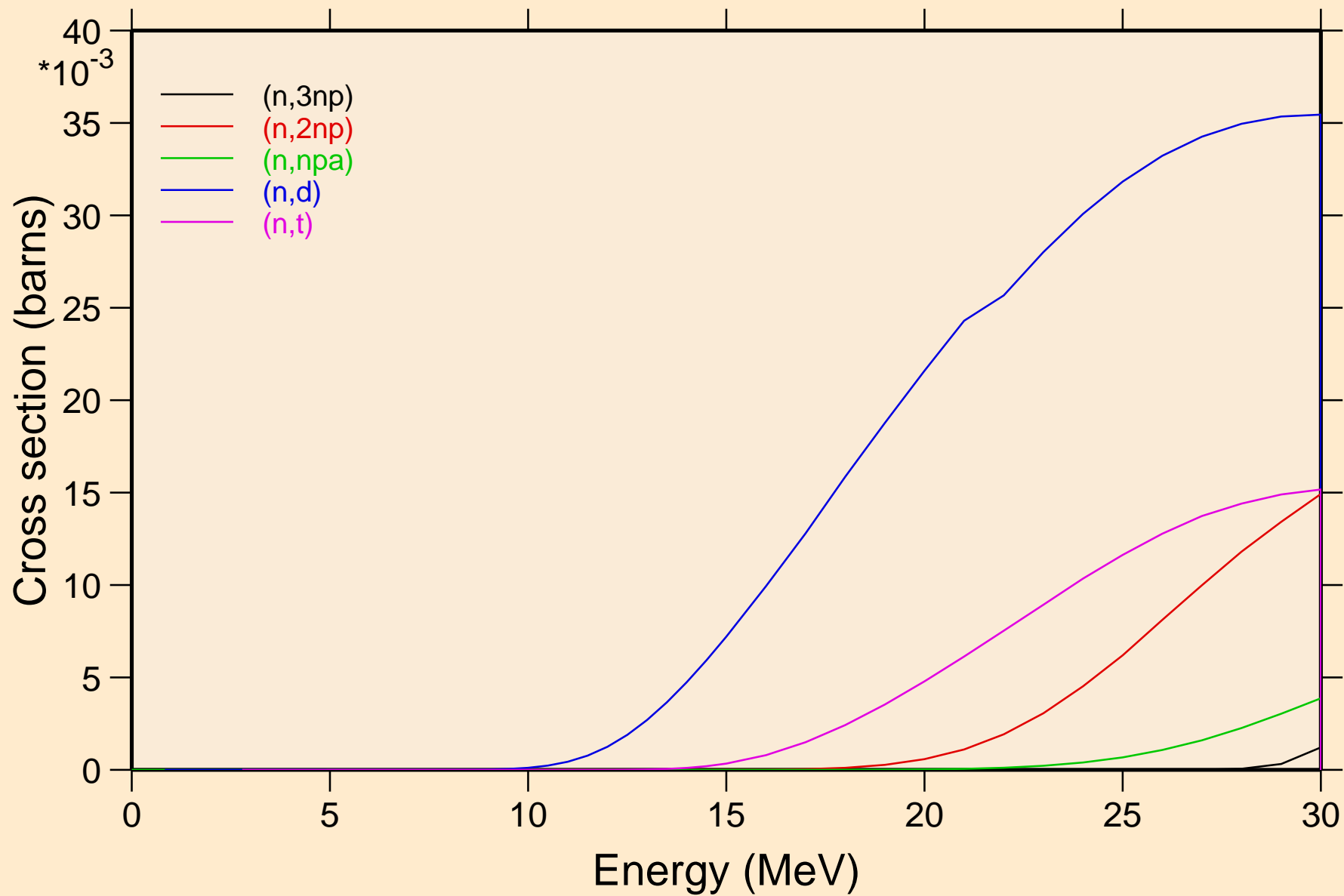
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## Threshold reactions



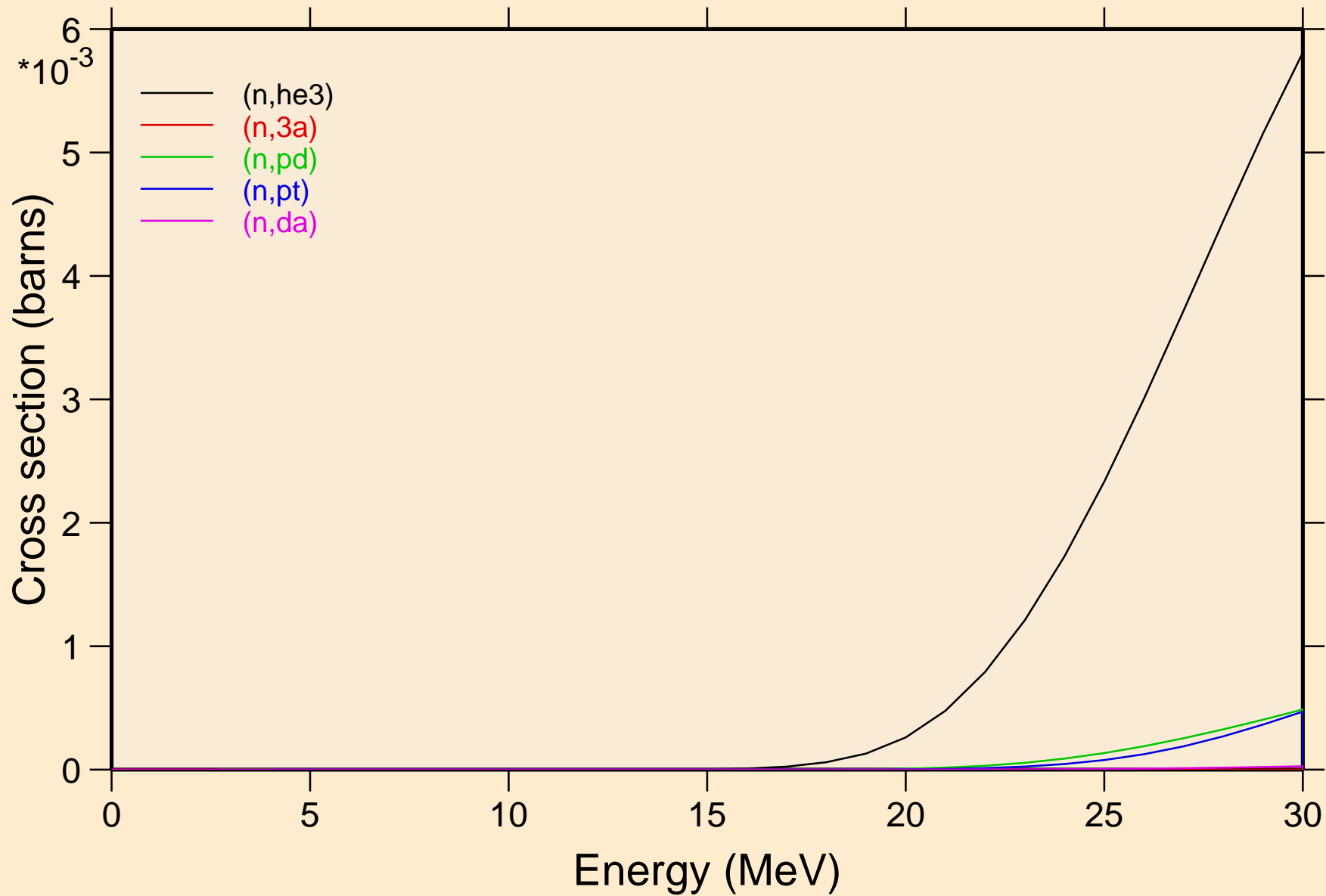
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## Threshold reactions



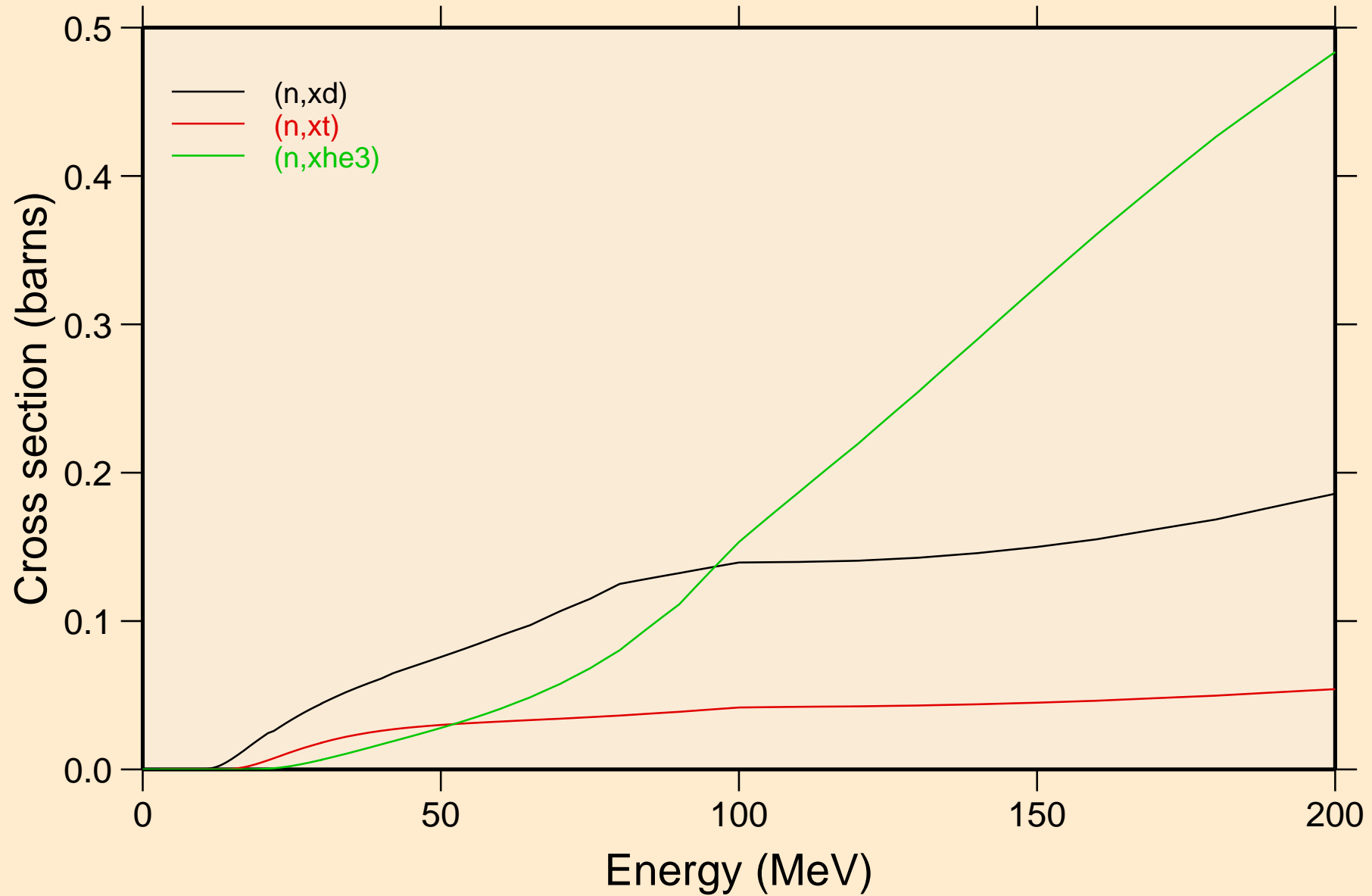
# HG185M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Threshold reactions

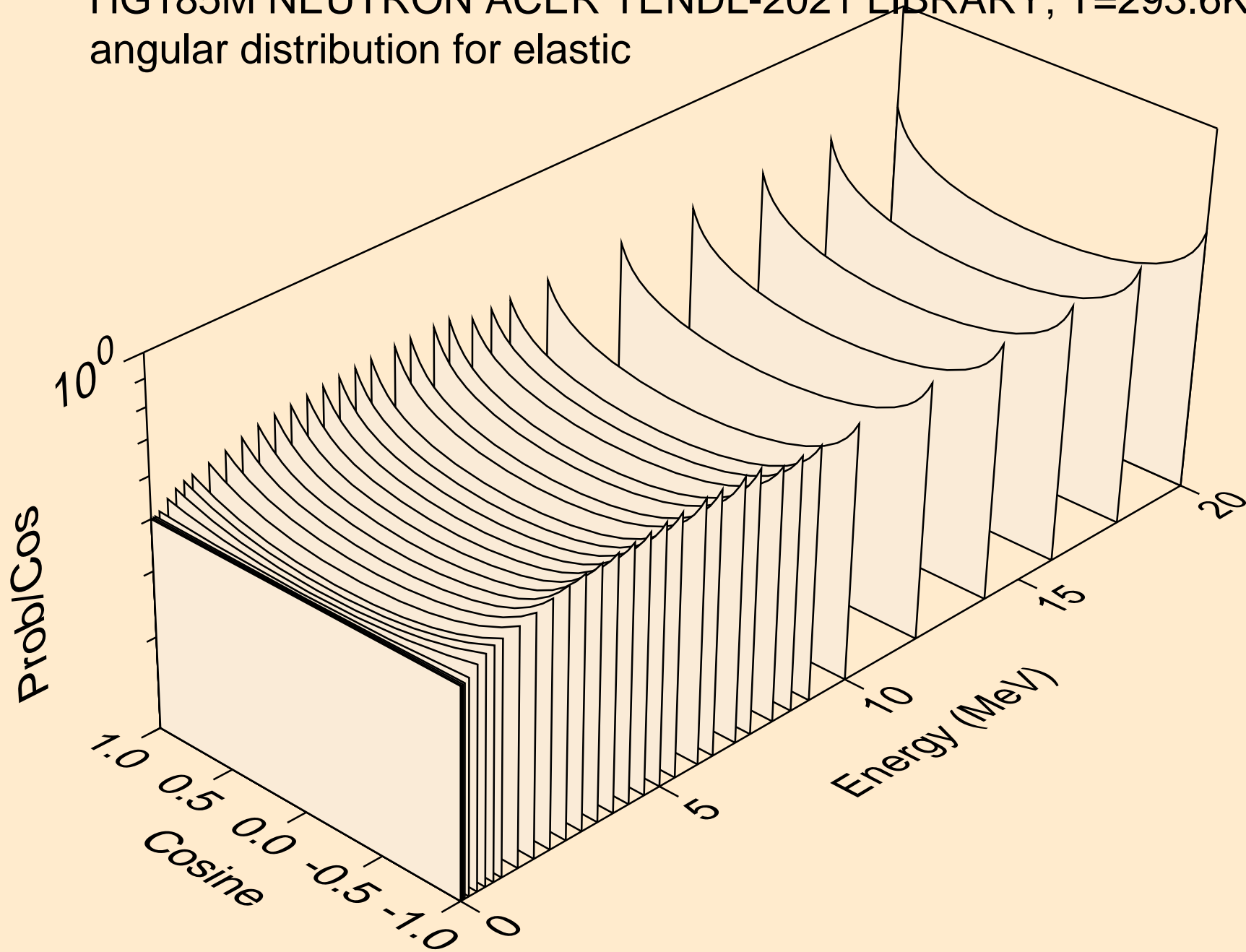




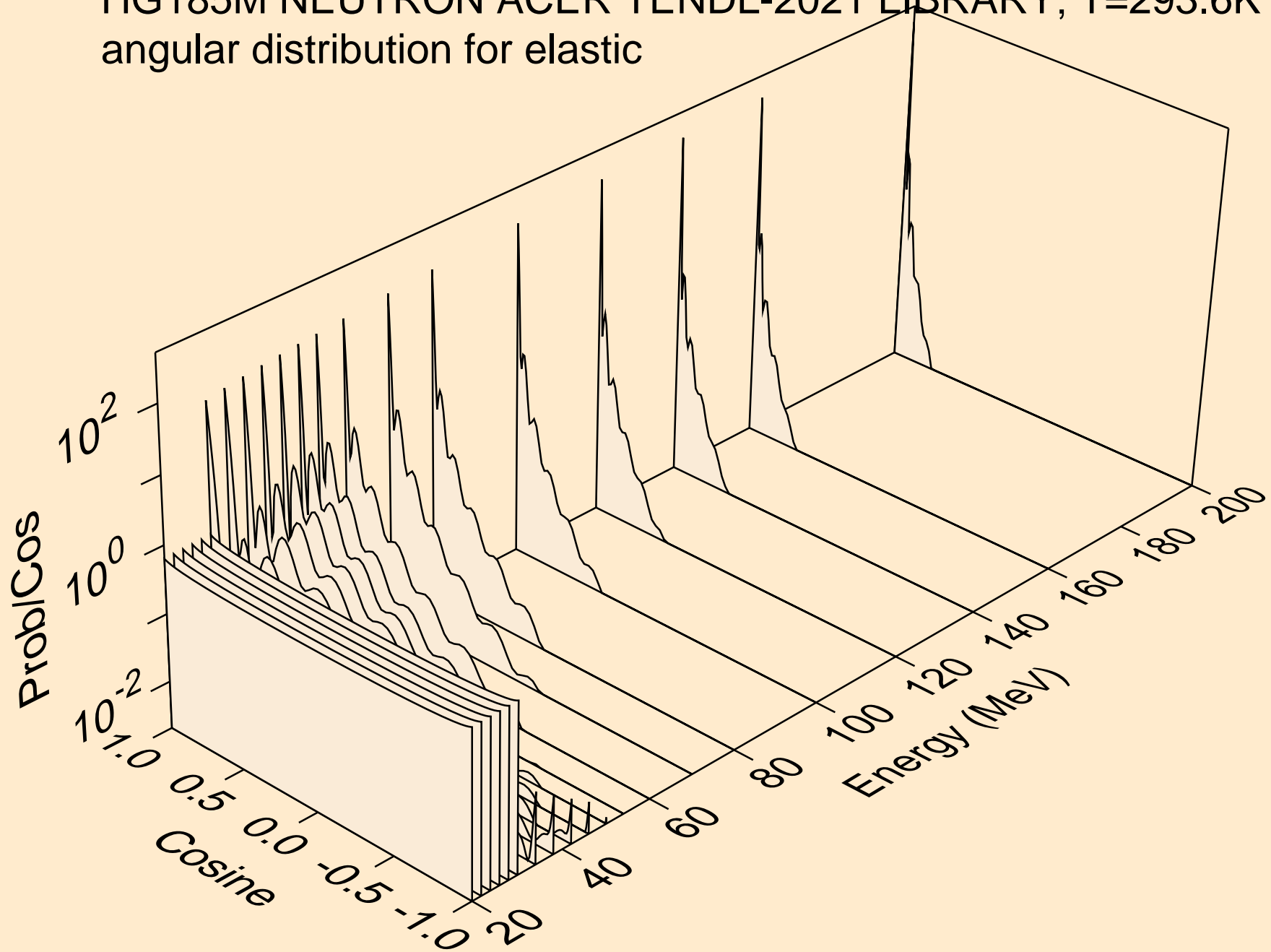
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Threshold reactions



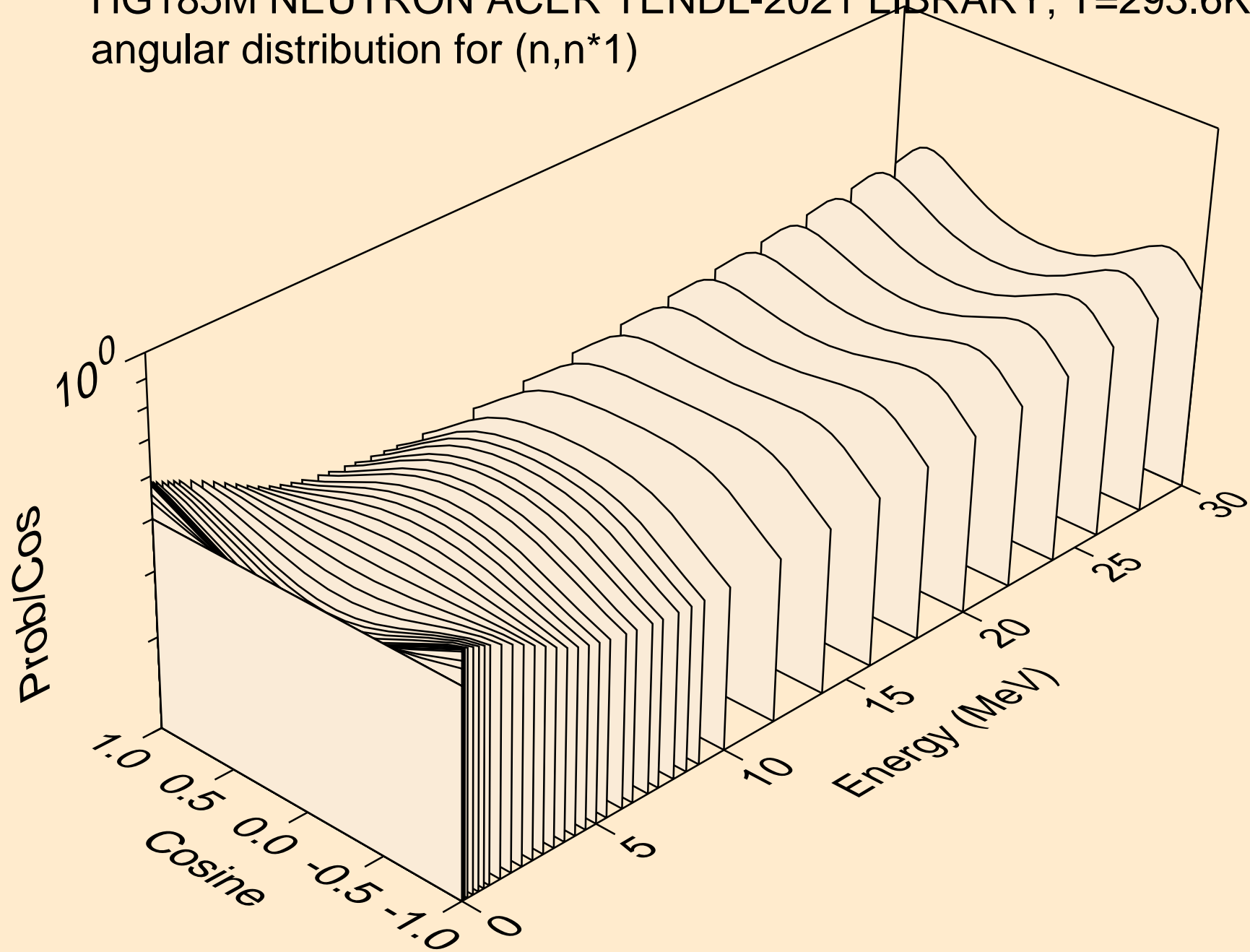
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angular distribution for elastic



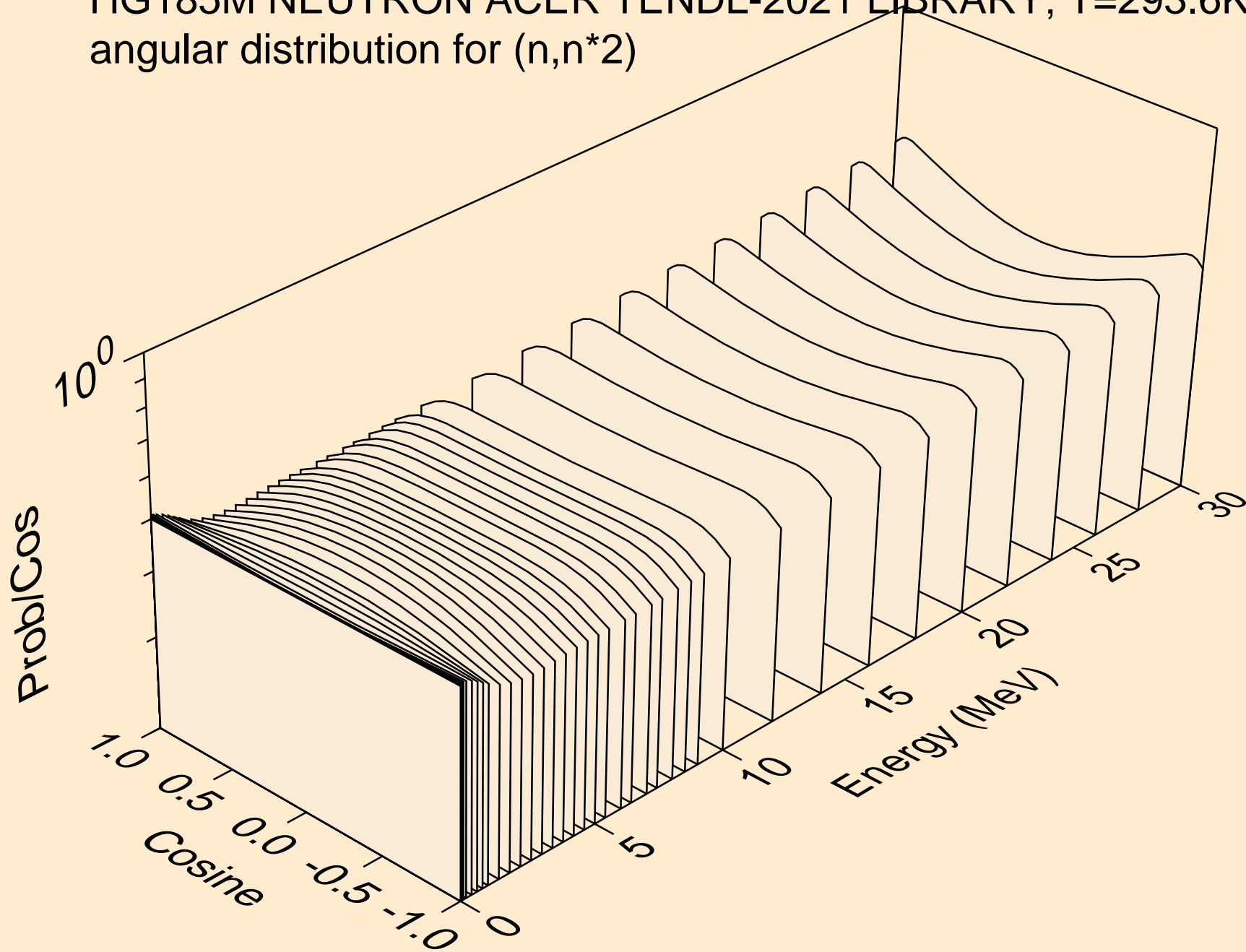
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angular distribution for elastic



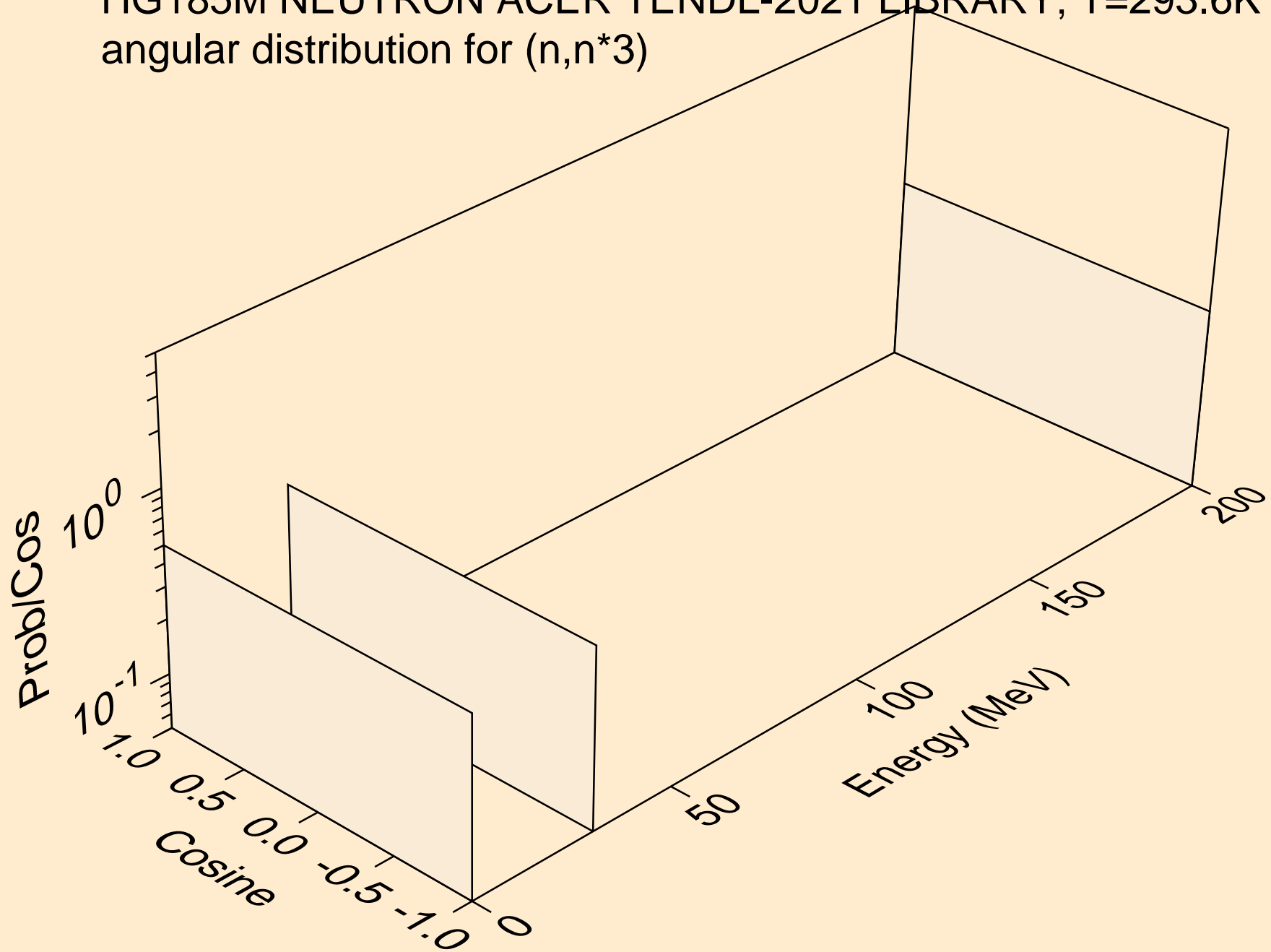
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angular distribution for (n,n\*1)



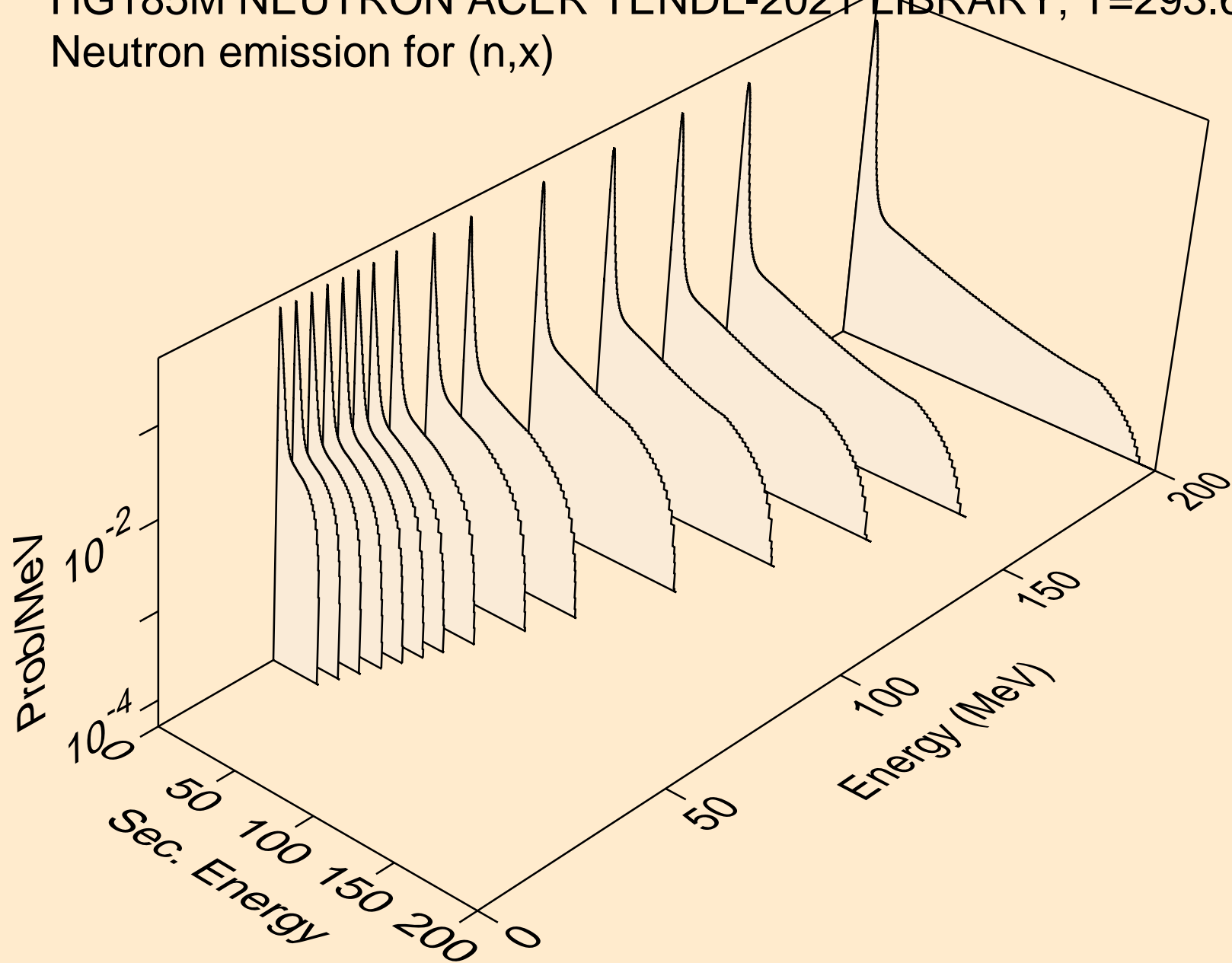
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angular distribution for (n,n\*2)



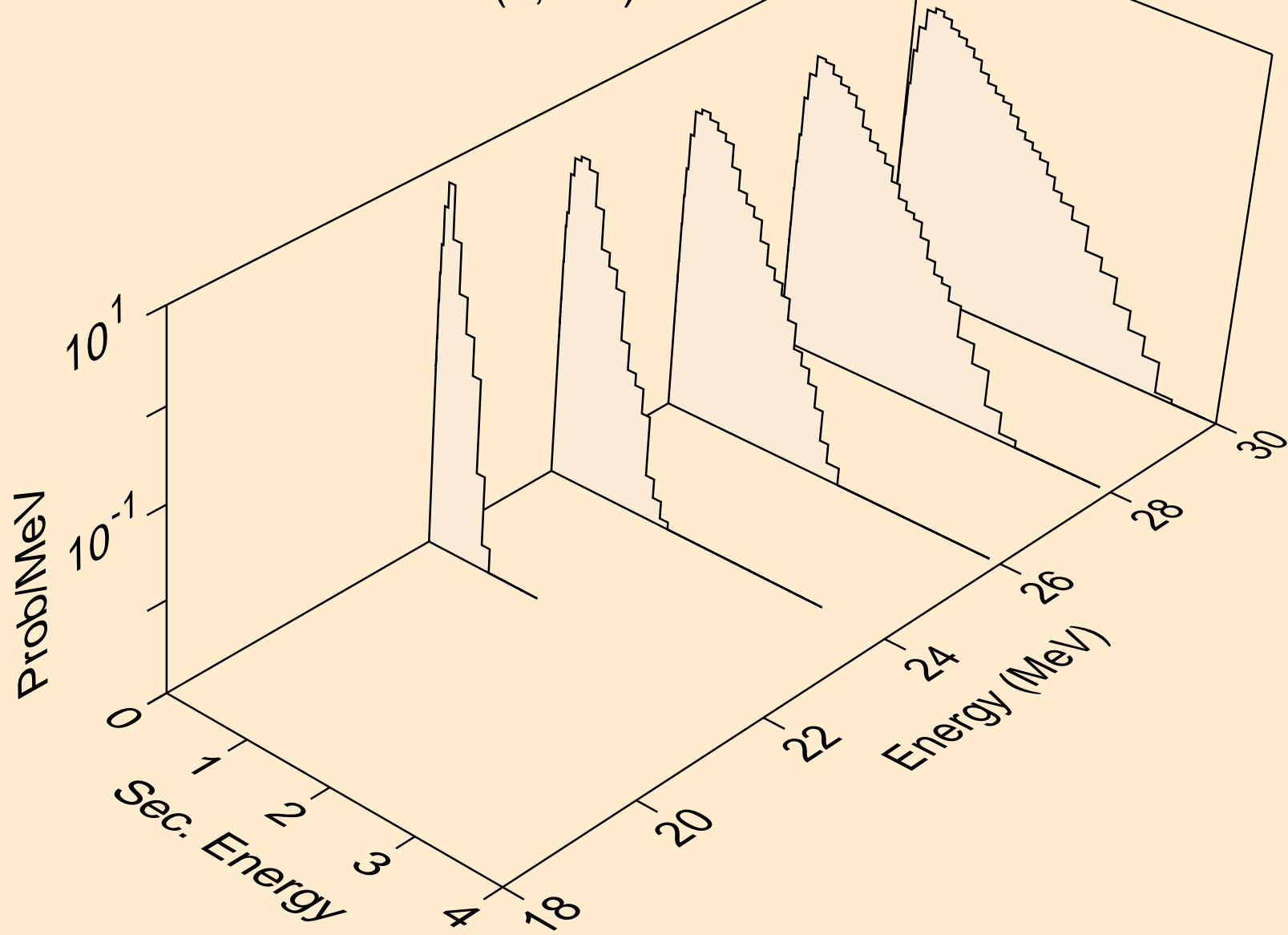
HG185M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*3)



HG185M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,x)

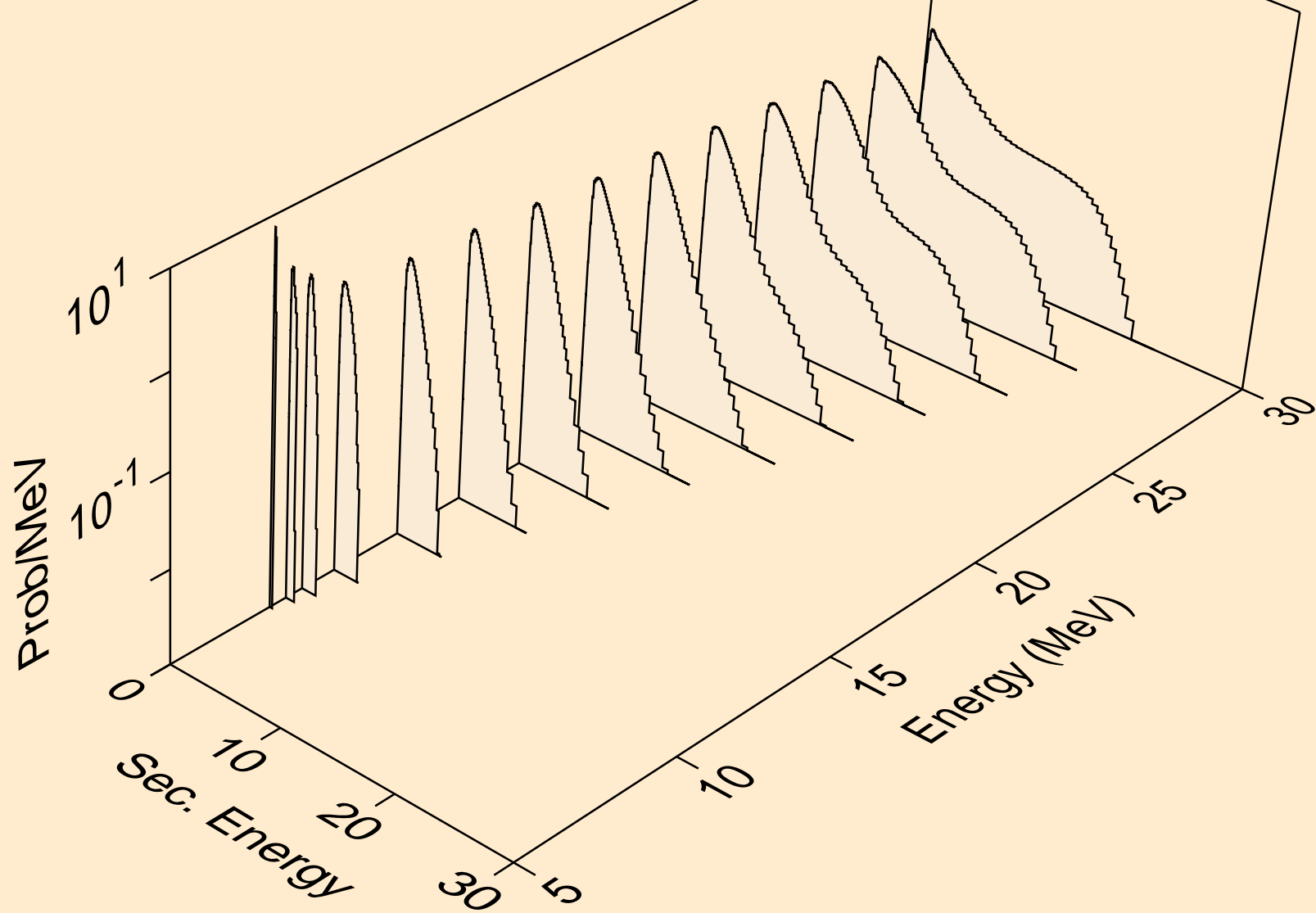


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Neutron emission for (n,2nd)

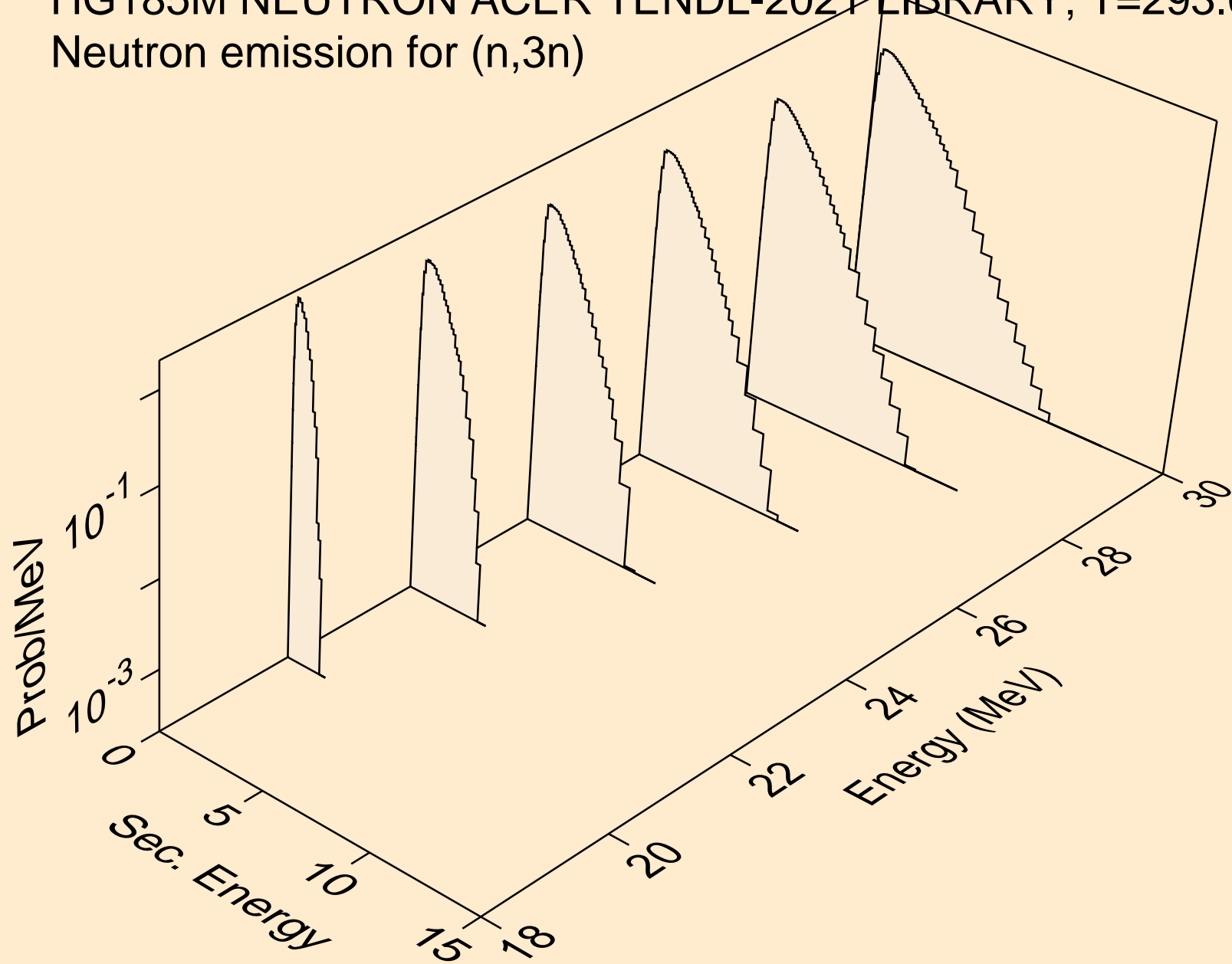




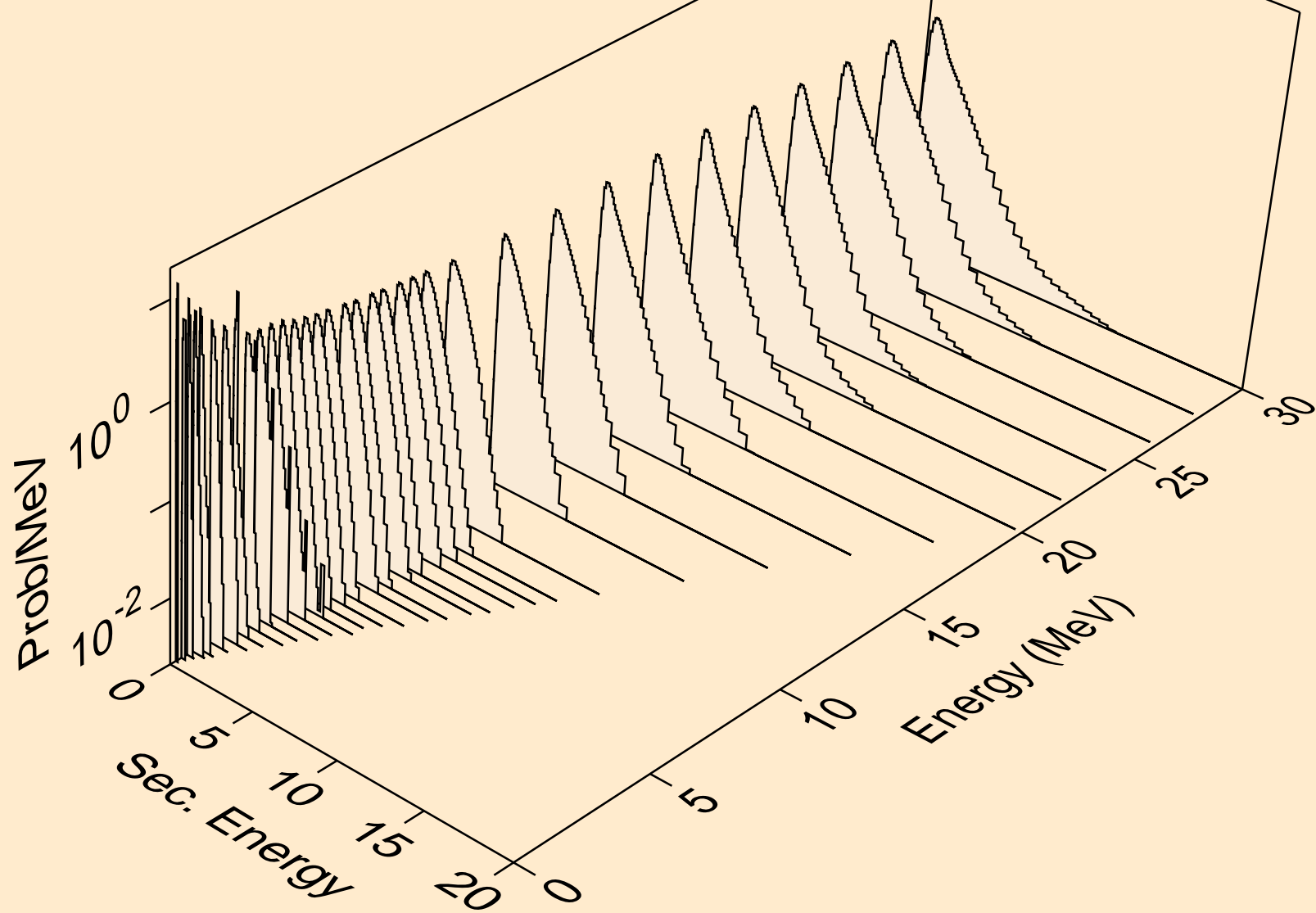
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Neutron emission for (n,2n)



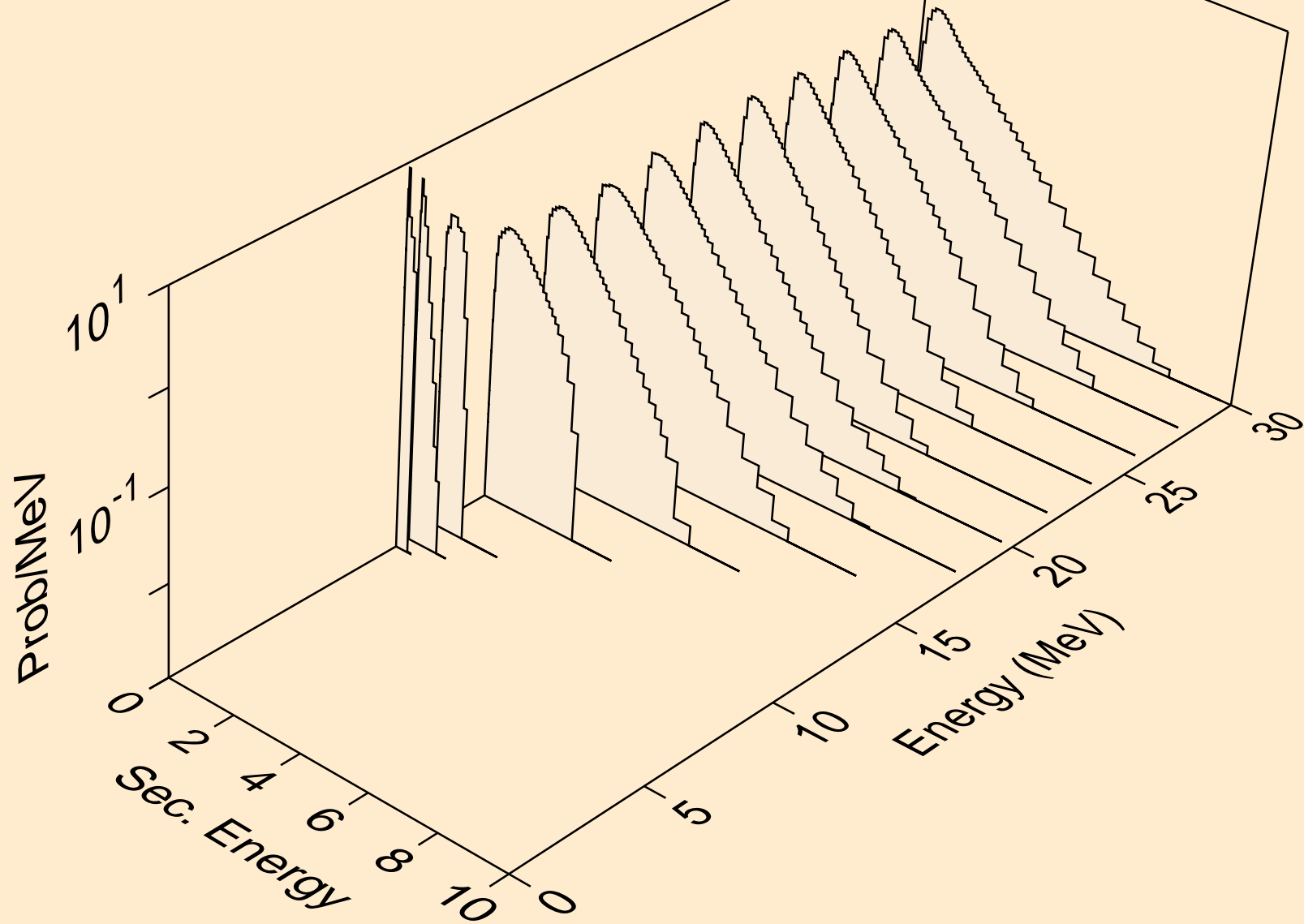
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Neutron emission for (n,3n)



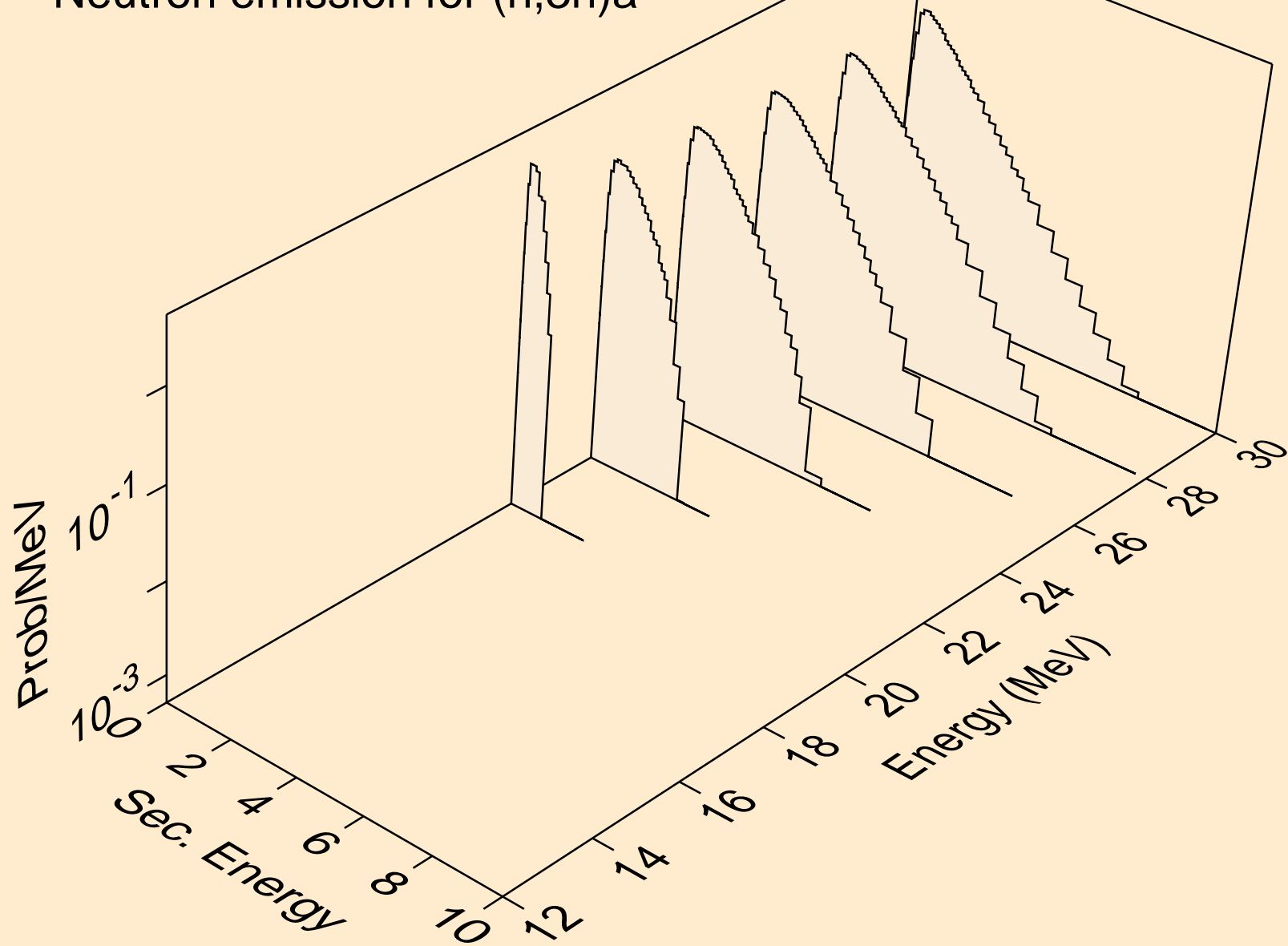
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Neutron emission for (n,n\*)a



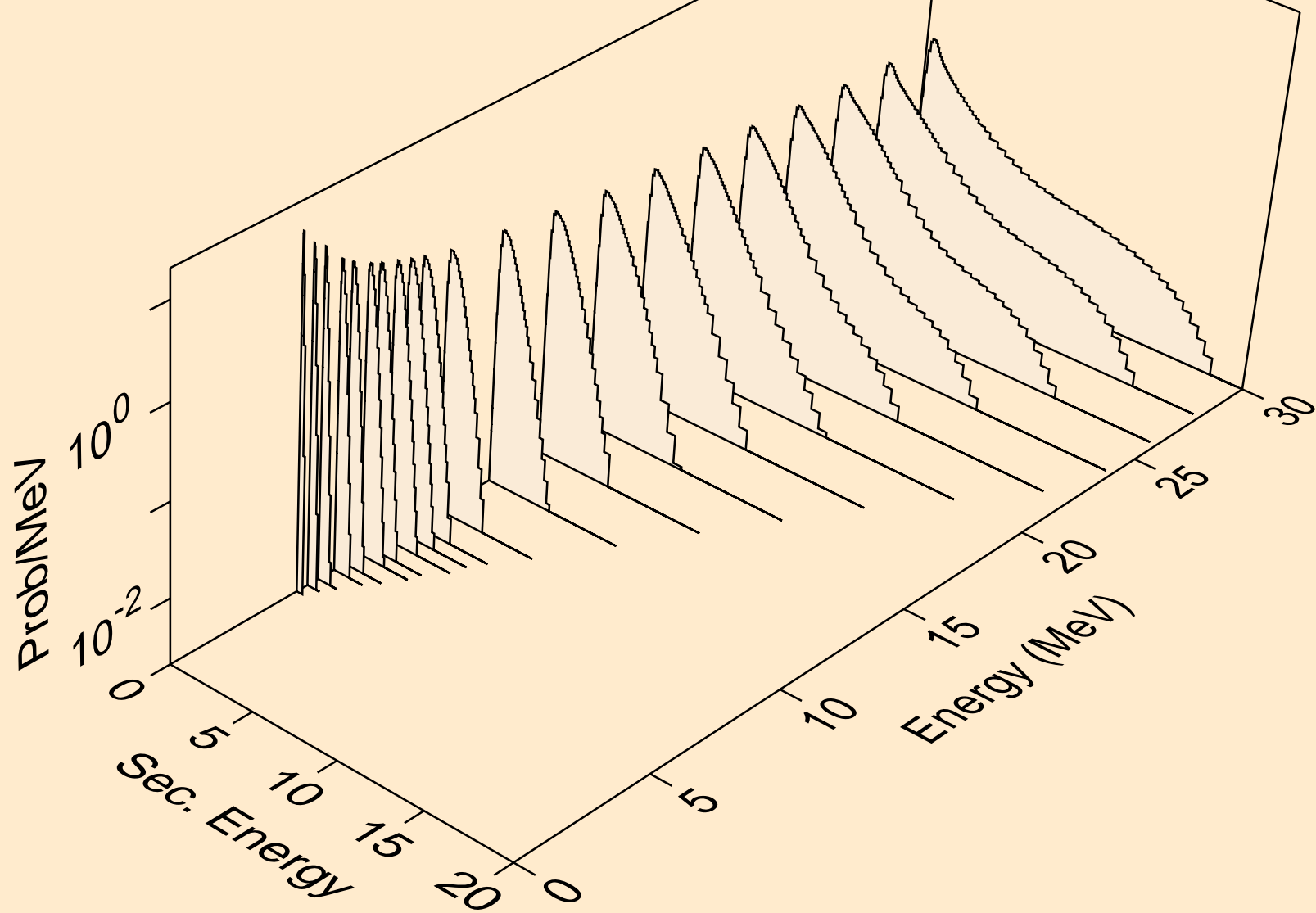
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Neutron emission for (n,2n)a



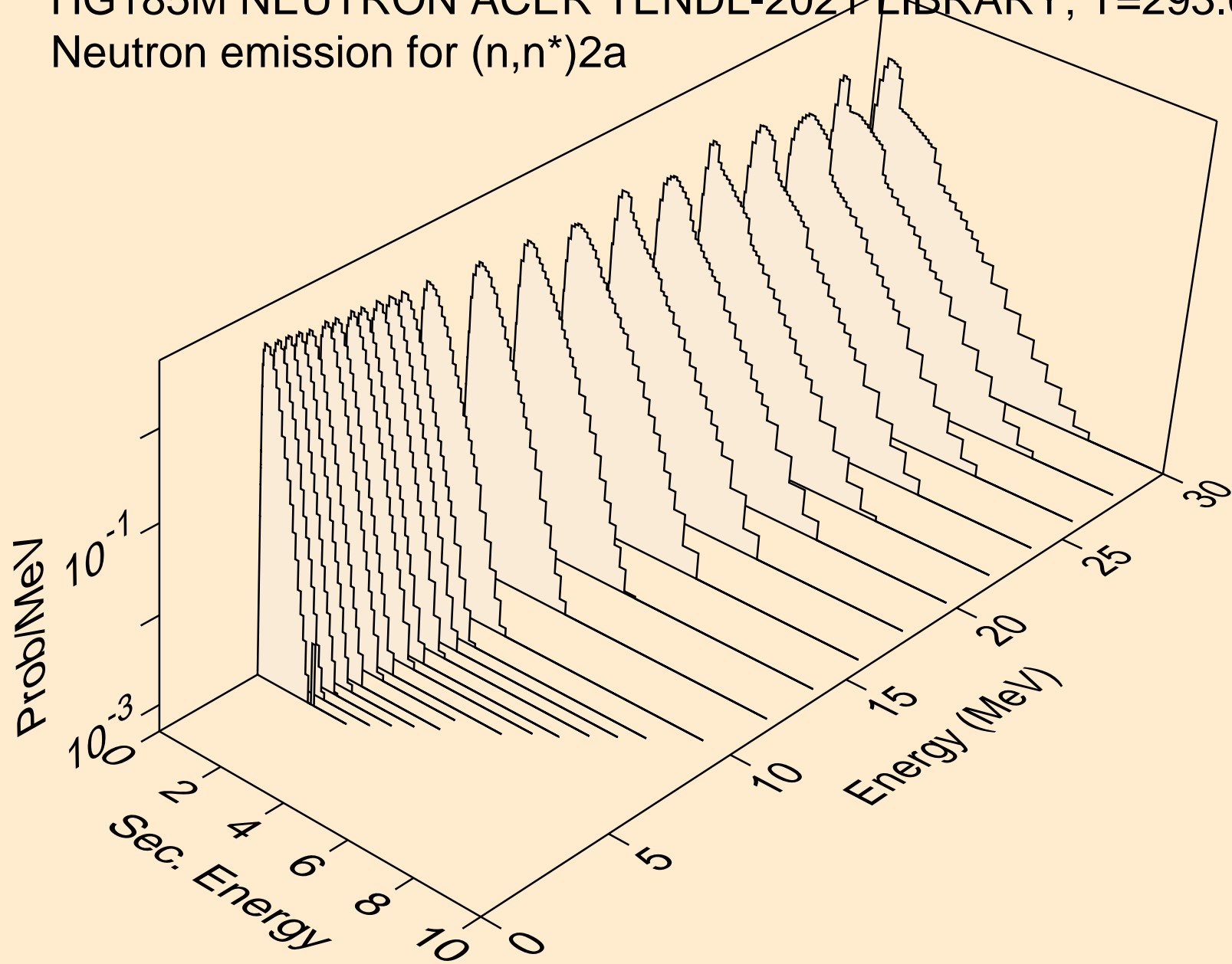
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Neutron emission for (n,3n)a



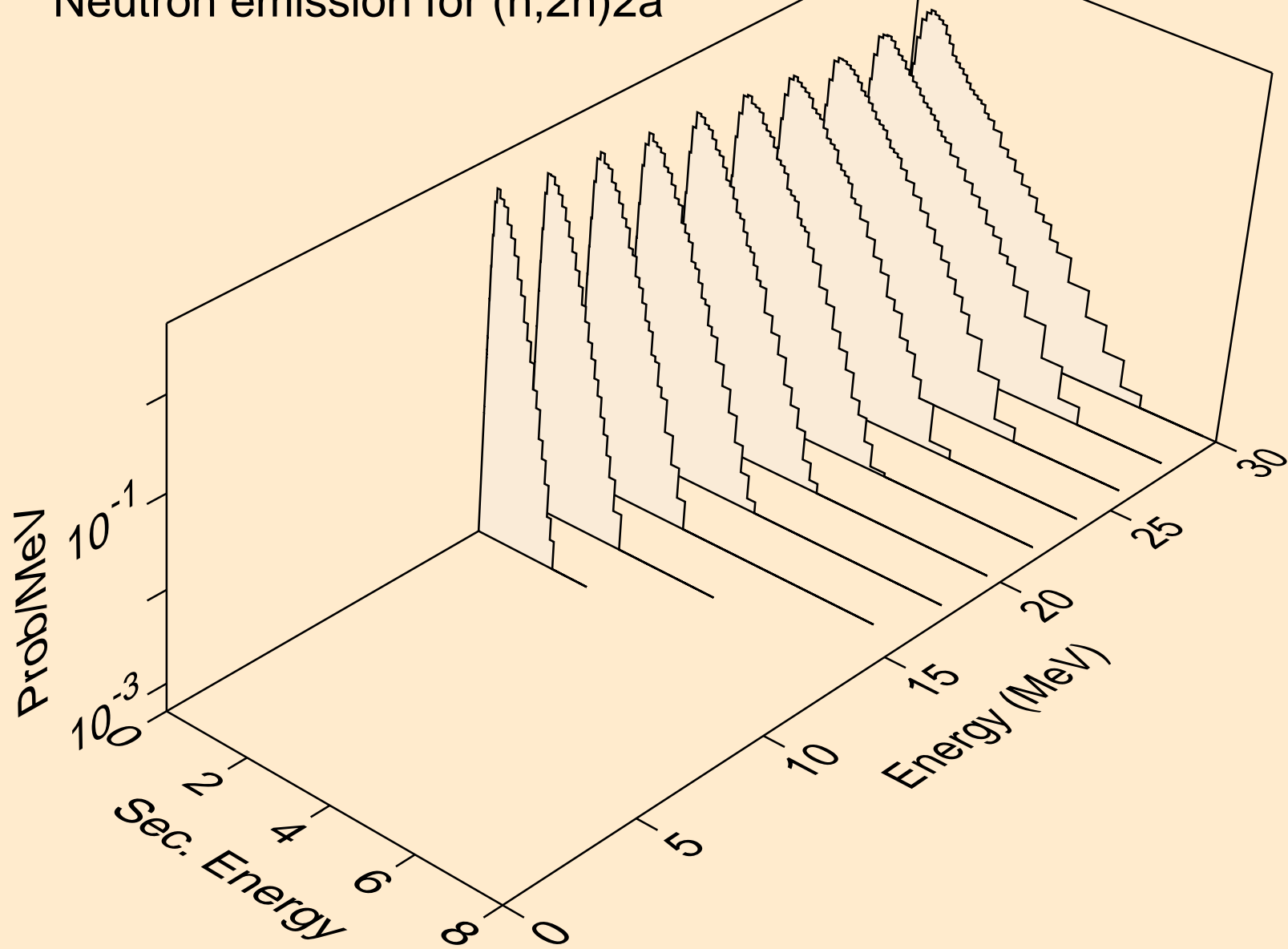
HG185M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)p



HG185M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)2a

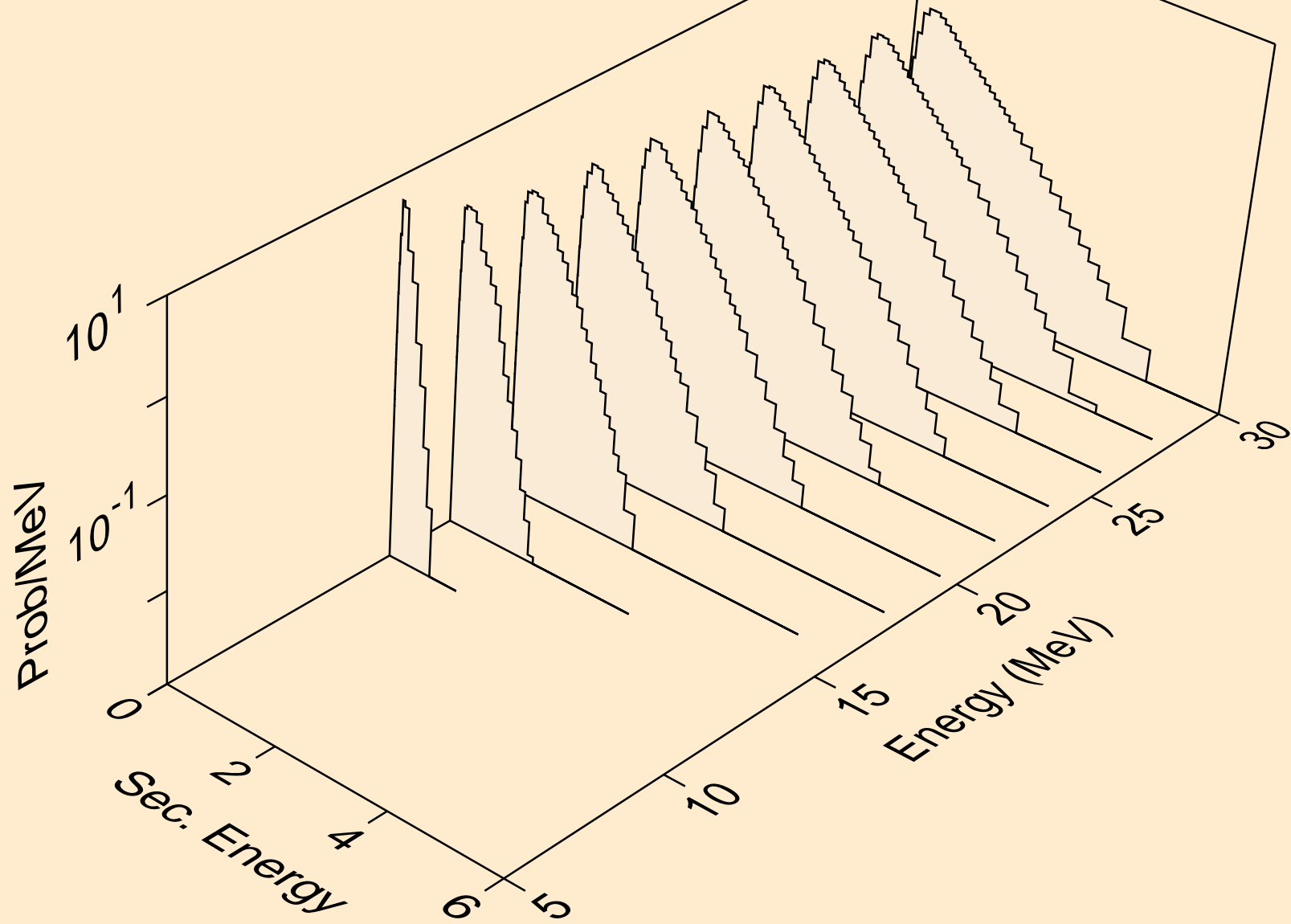


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Neutron emission for (n,2n)2a

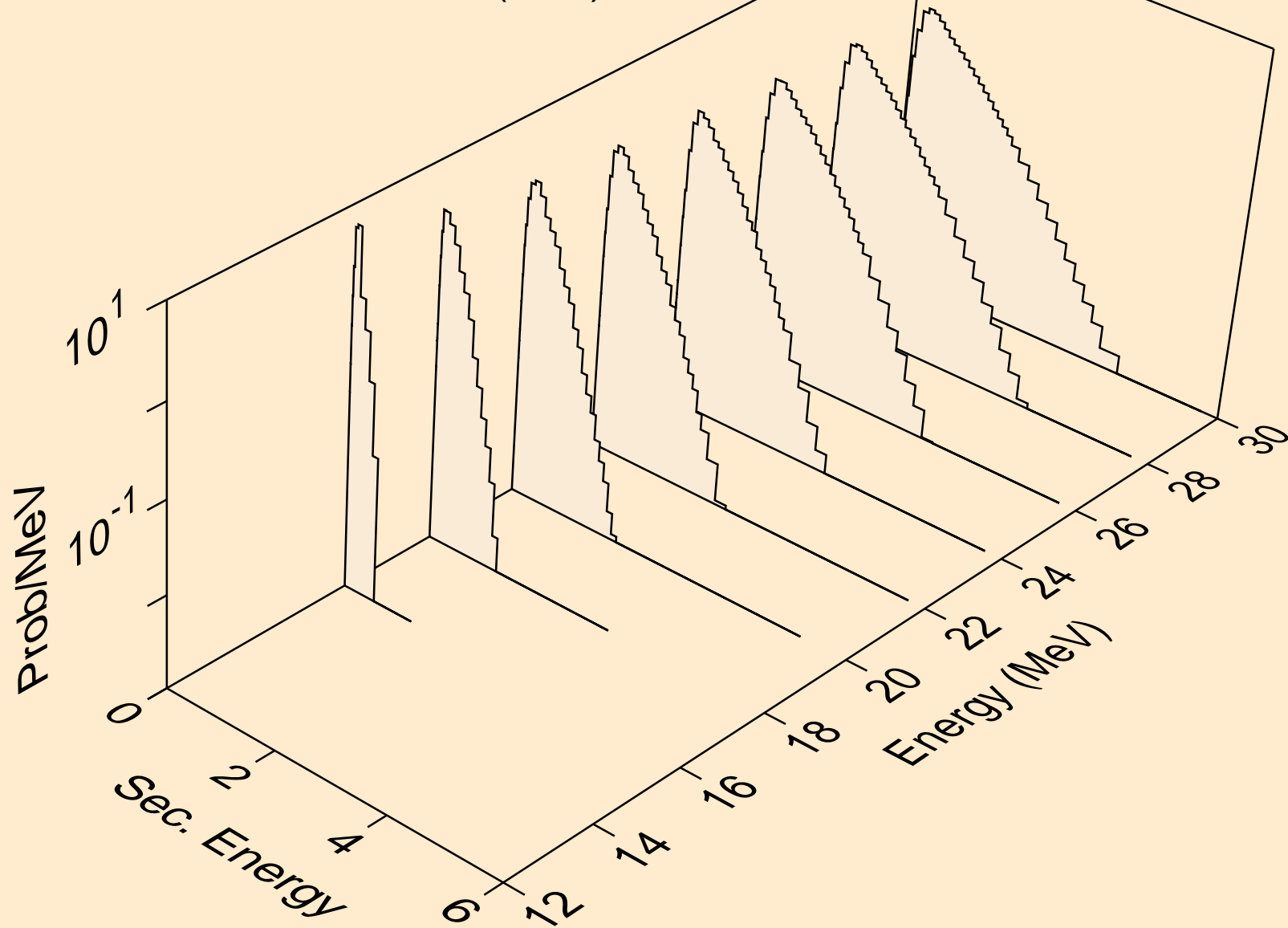




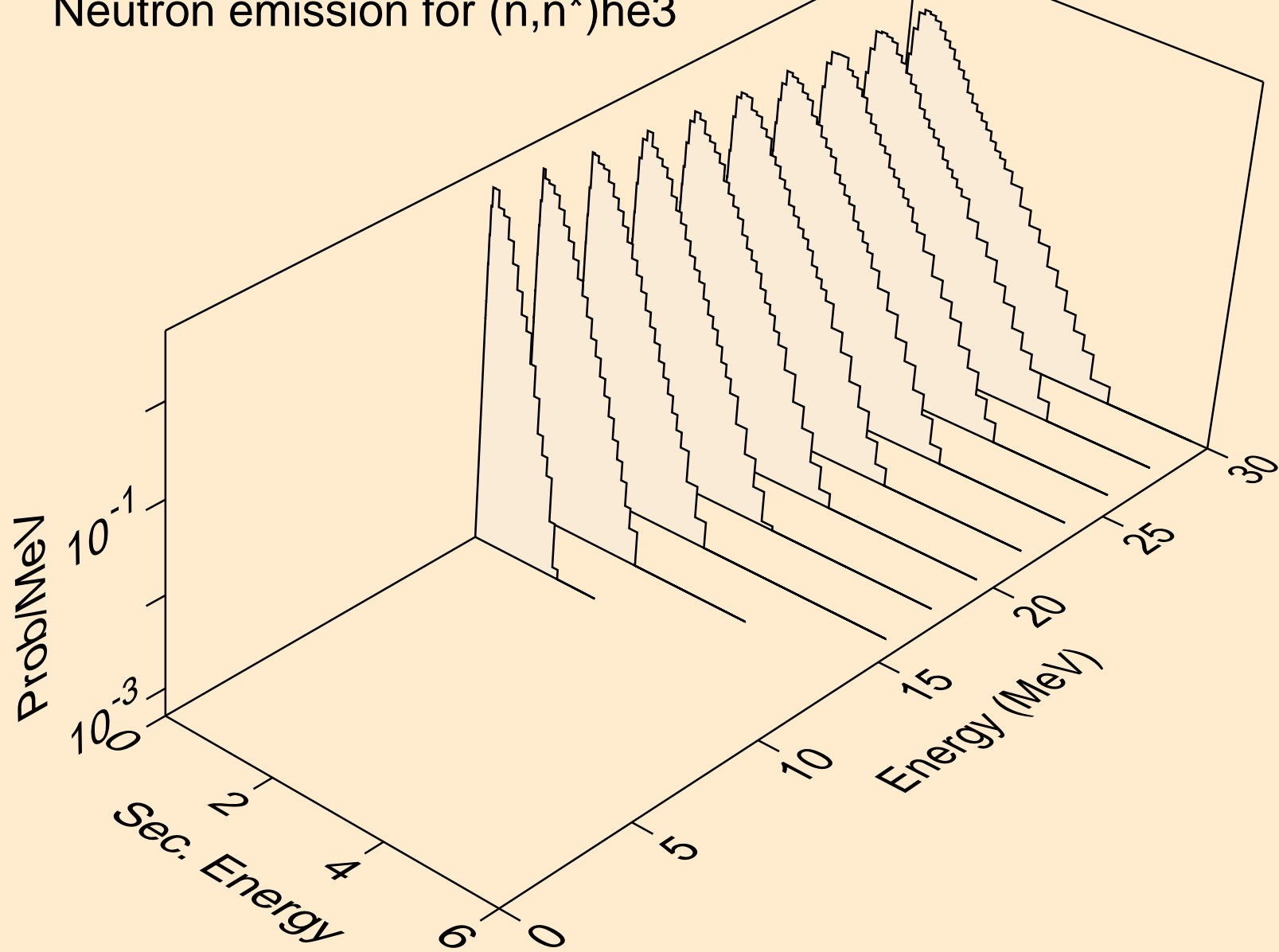
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Neutron emission for (n,n\*)d



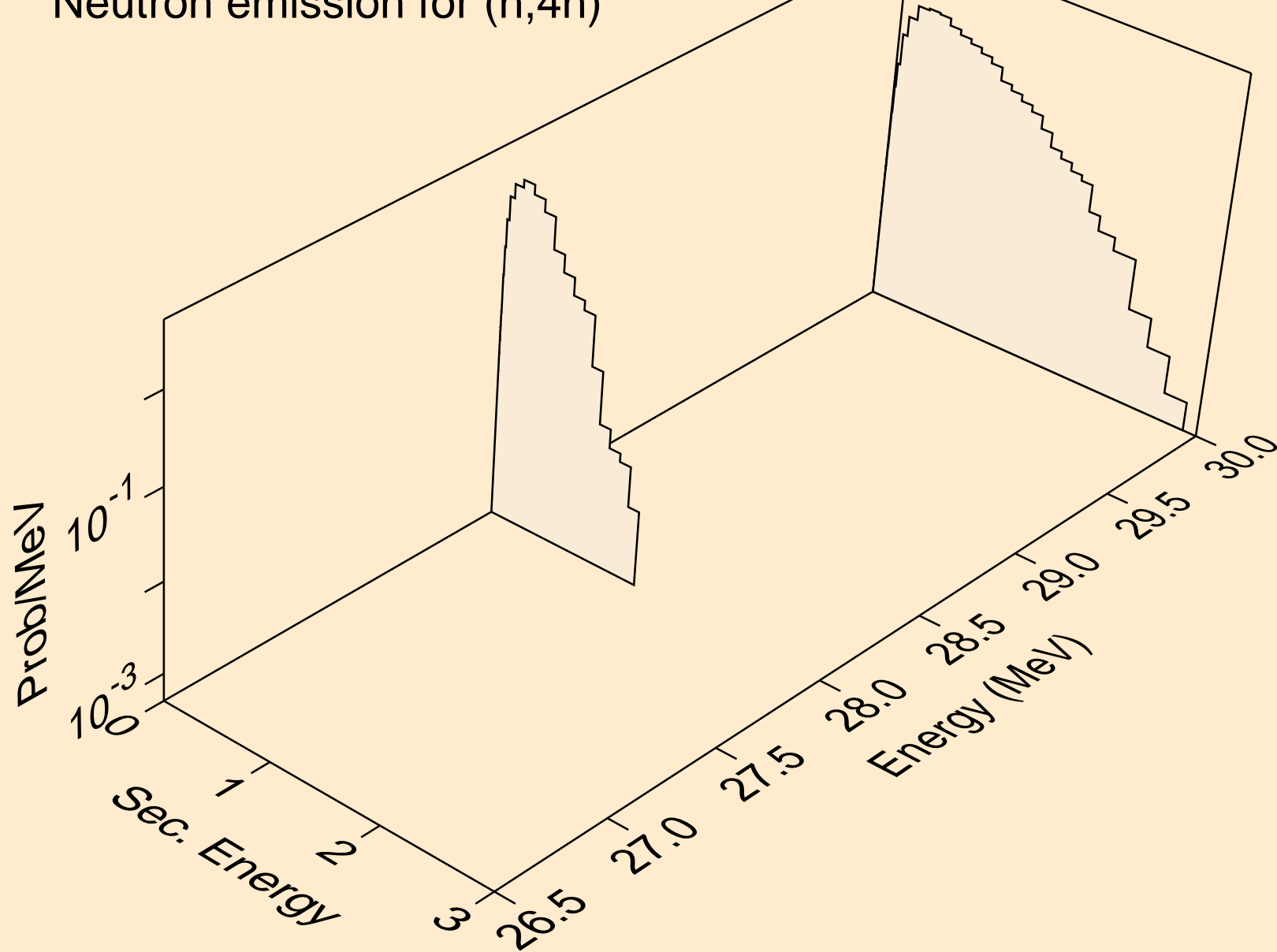
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Neutron emission for (n,n\*)t



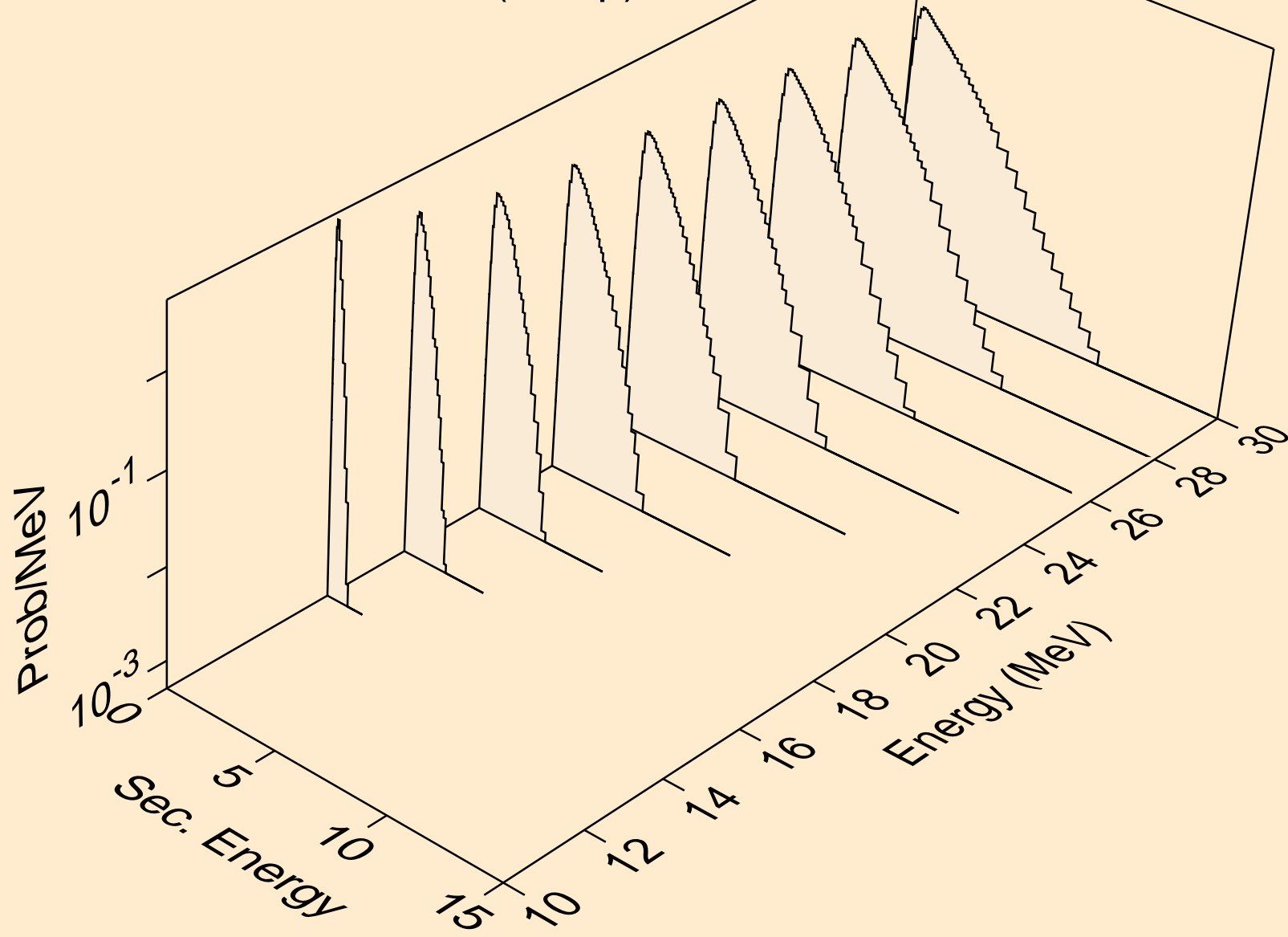
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Neutron emission for (n,n\*)he3



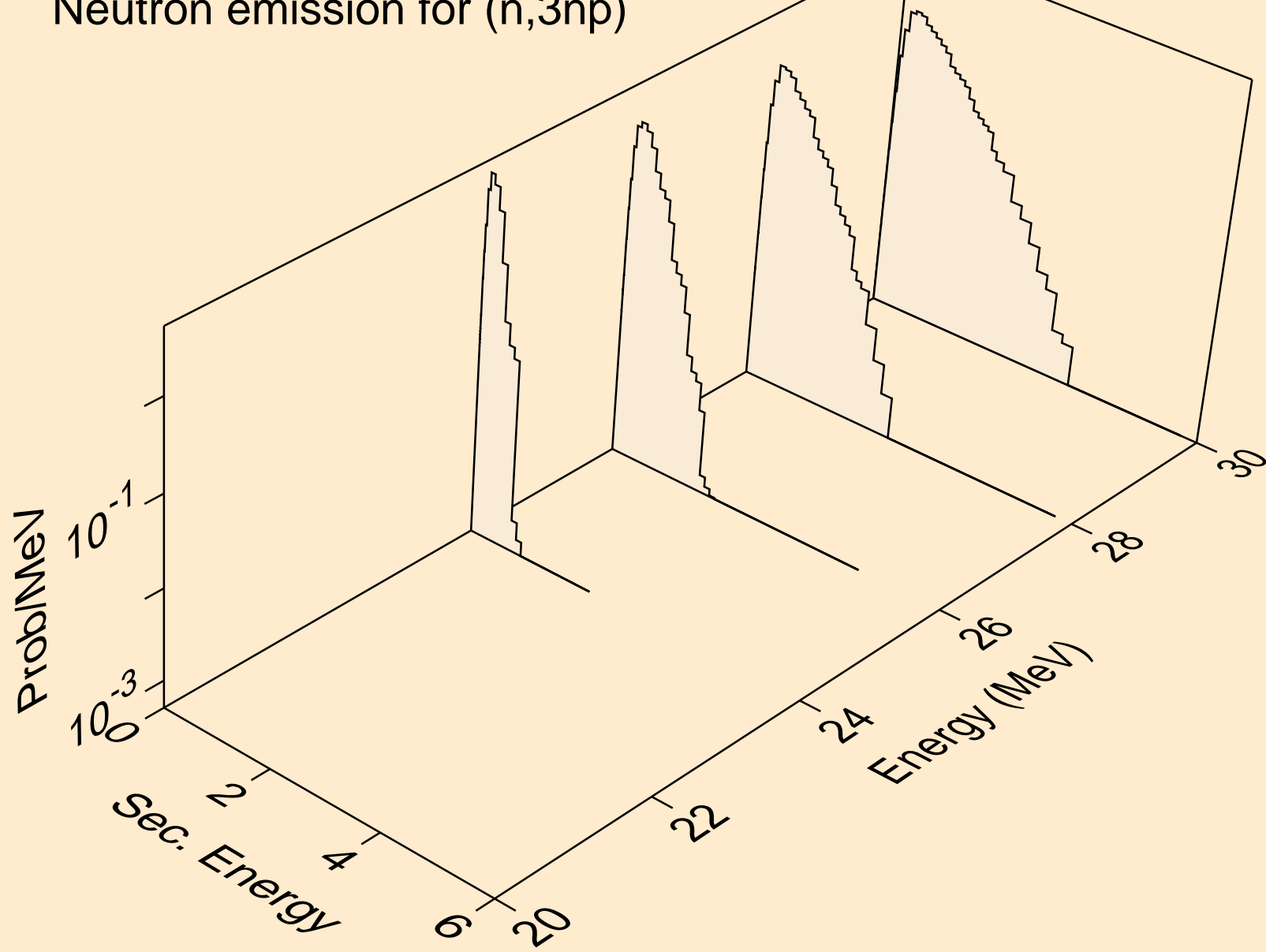
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Neutron emission for (n,4n)



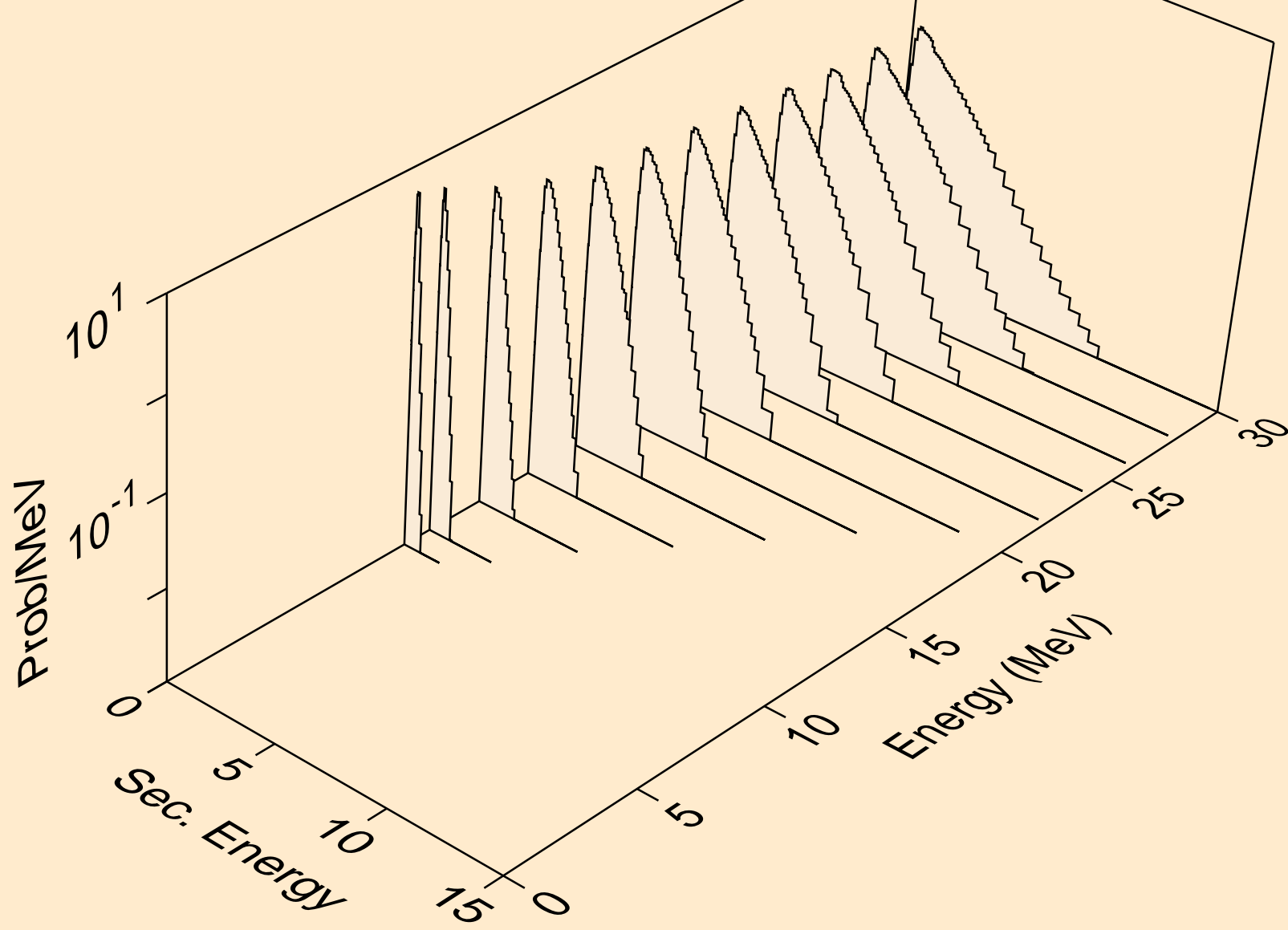
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Neutron emission for (n,2np)



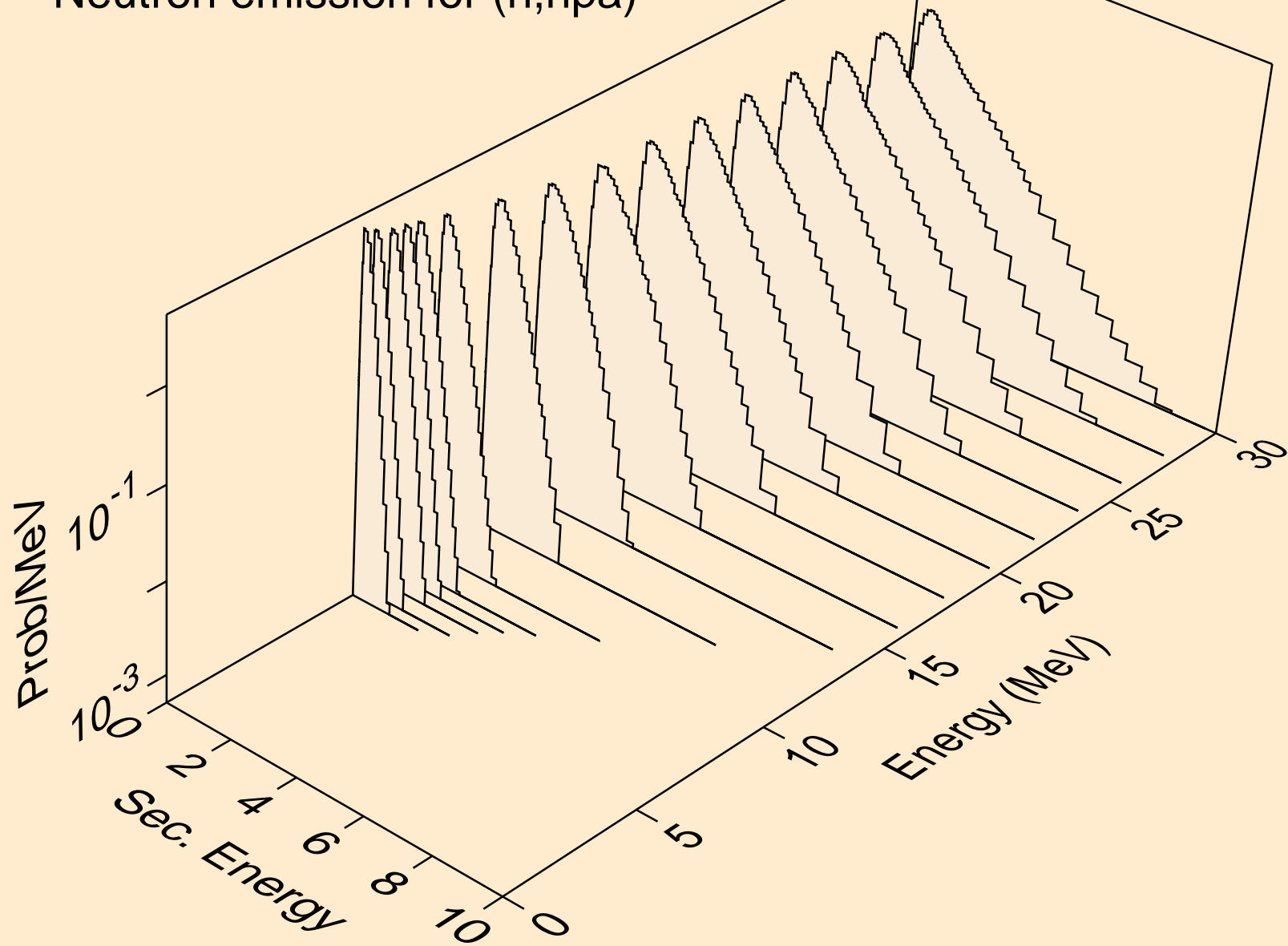
HG185M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3np)



HG185M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2np)

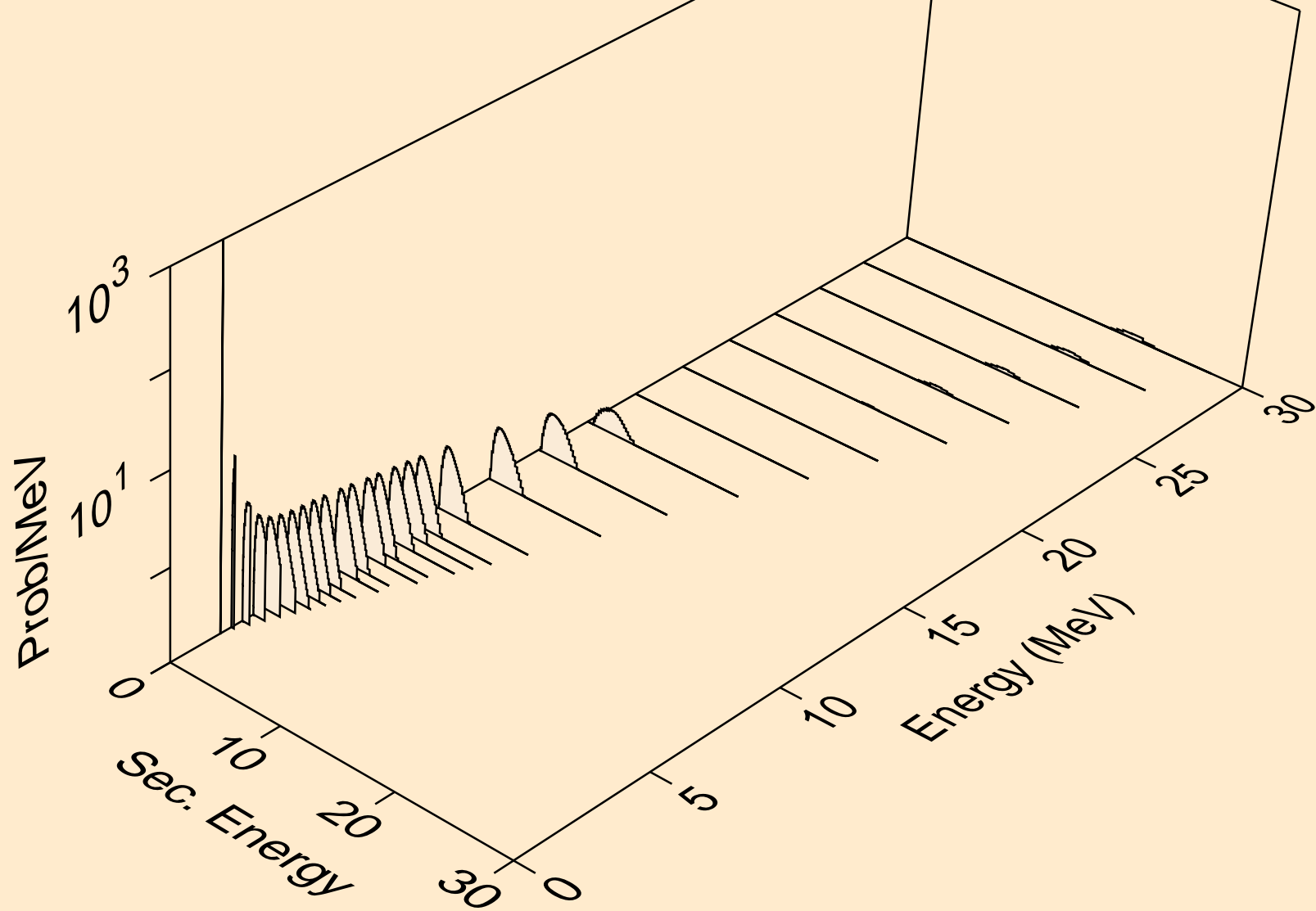


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Neutron emission for (n,npa)

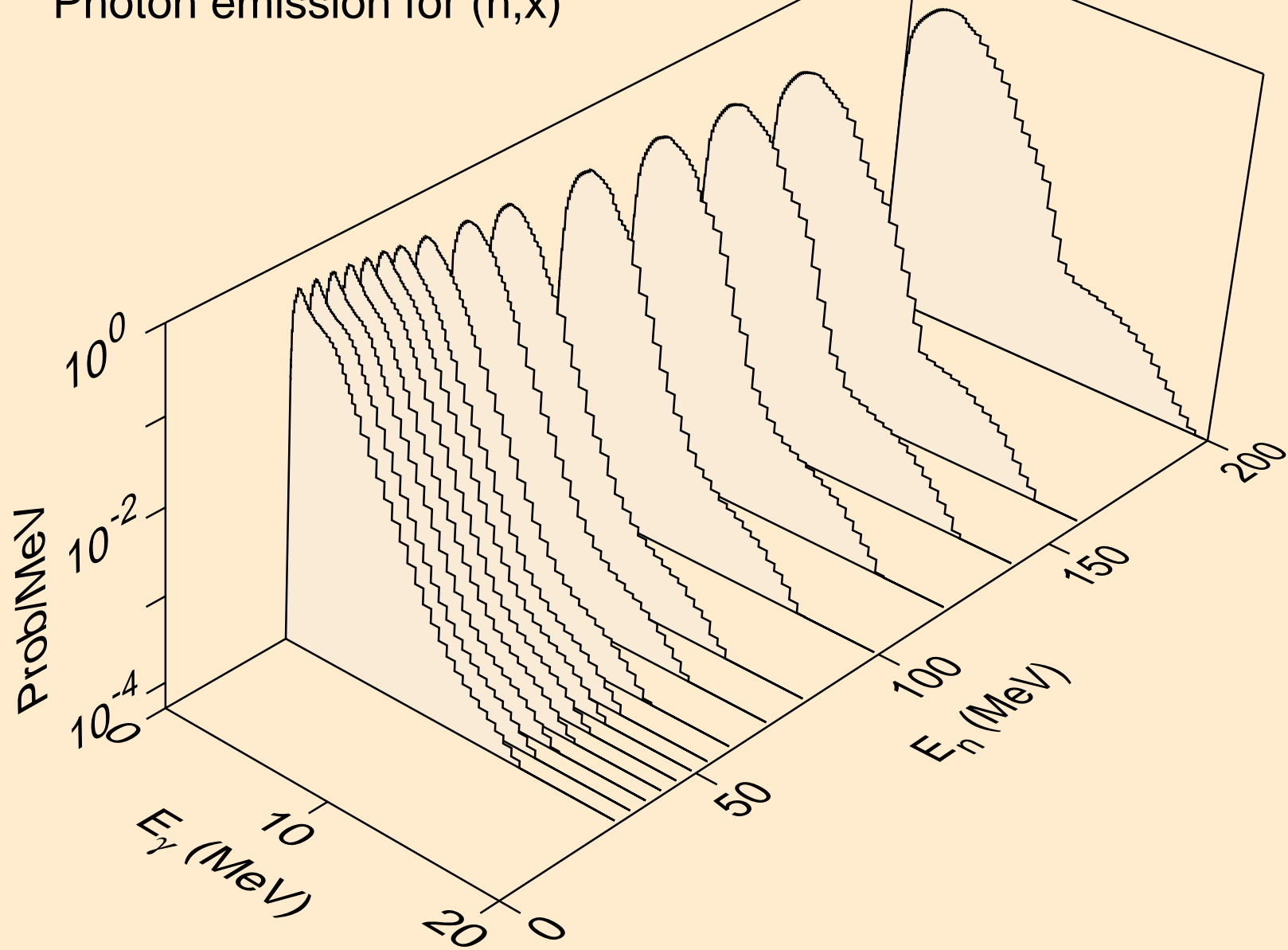




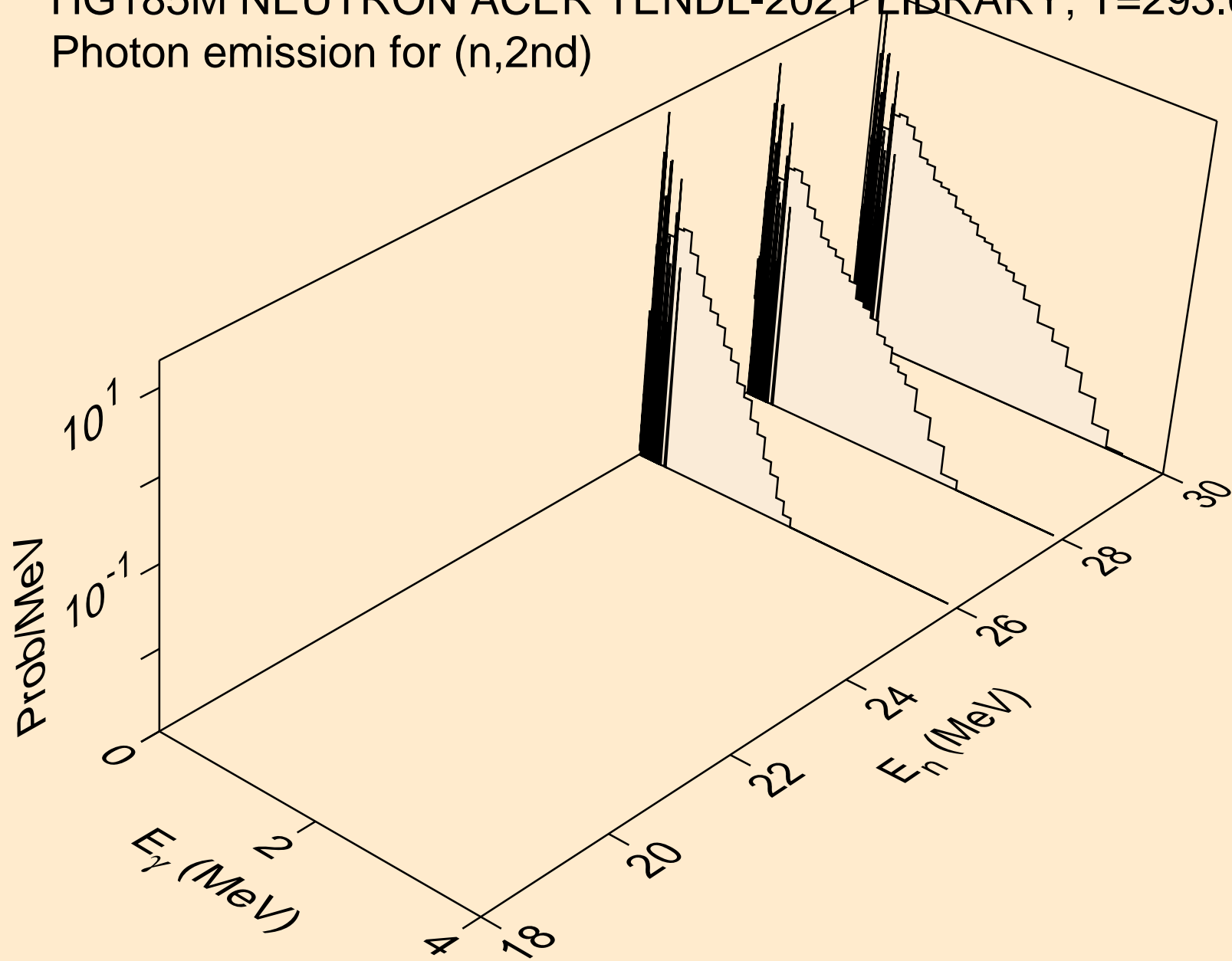
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Neutron emission for (n,n\*c)



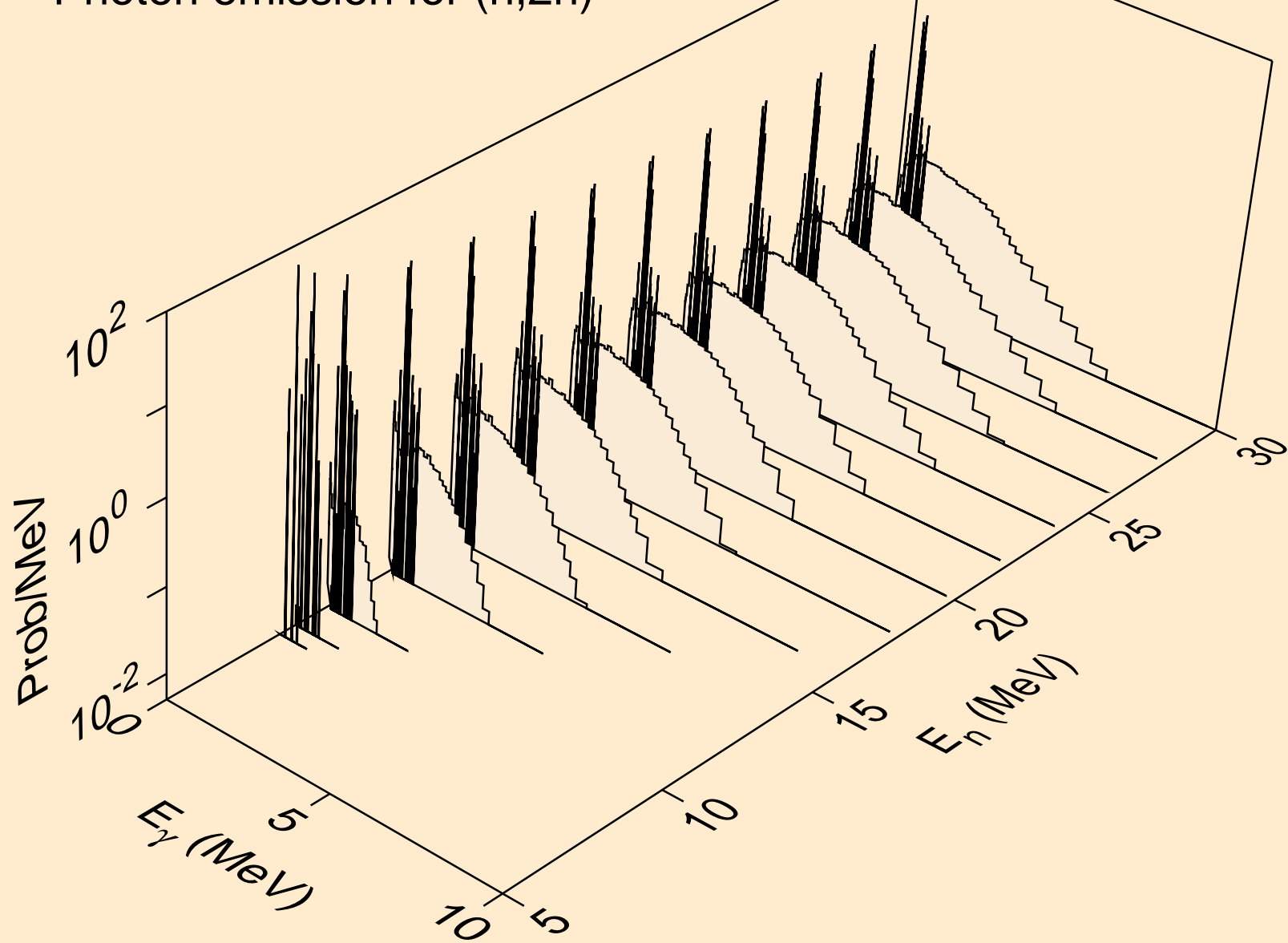
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Photon emission for (n,x)



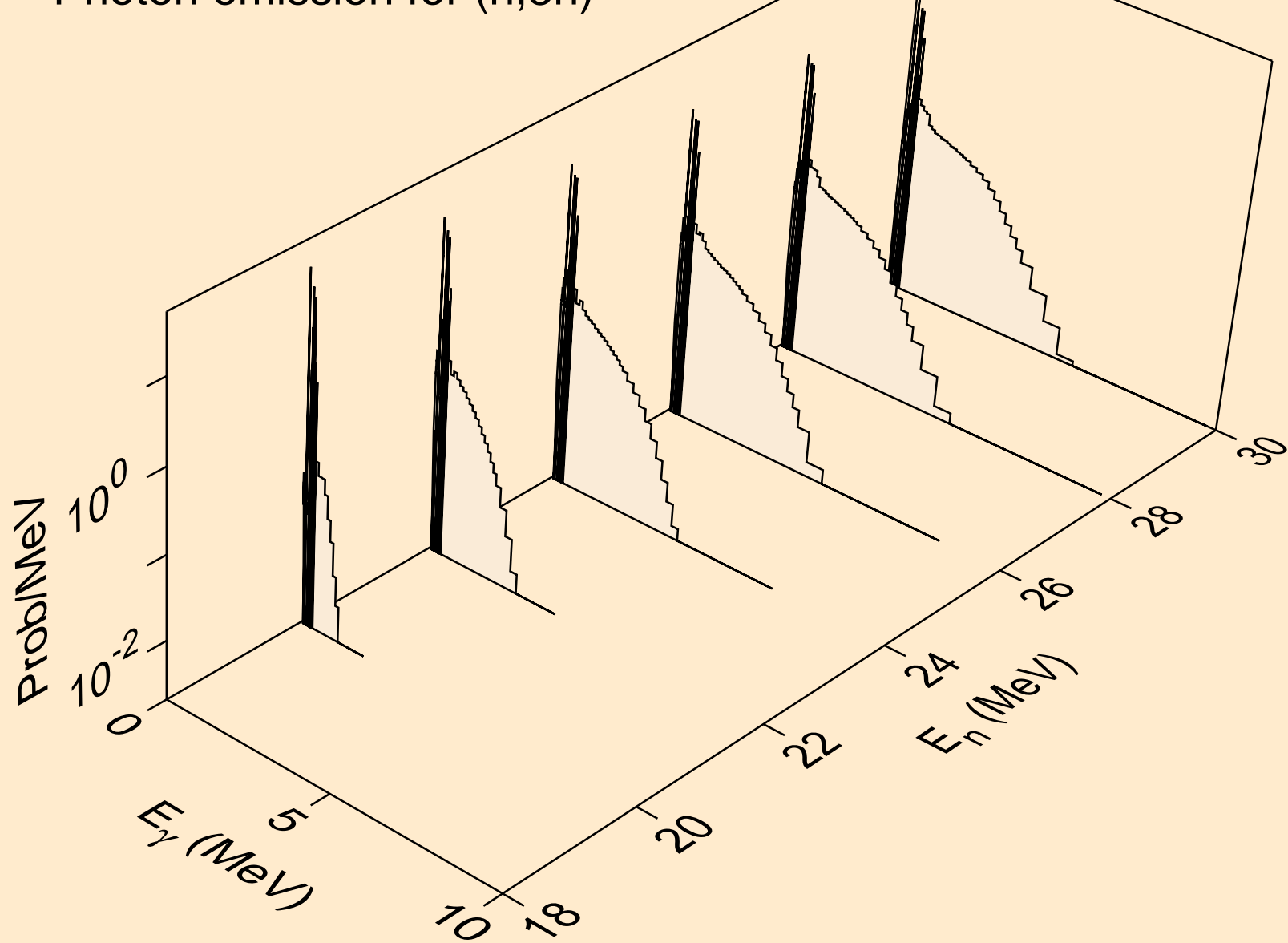
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Photon emission for (n,2nd)



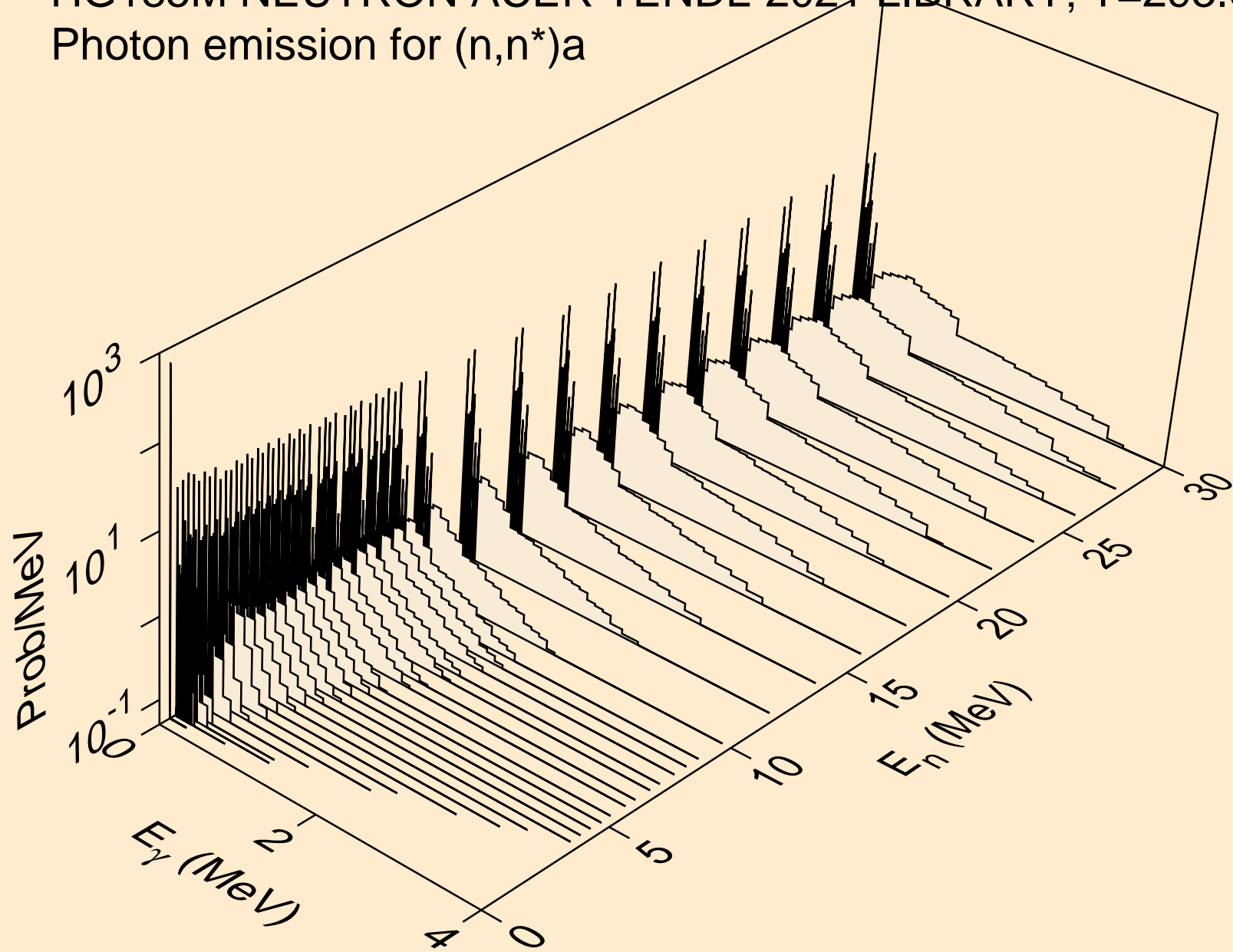
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Photon emission for (n,2n)



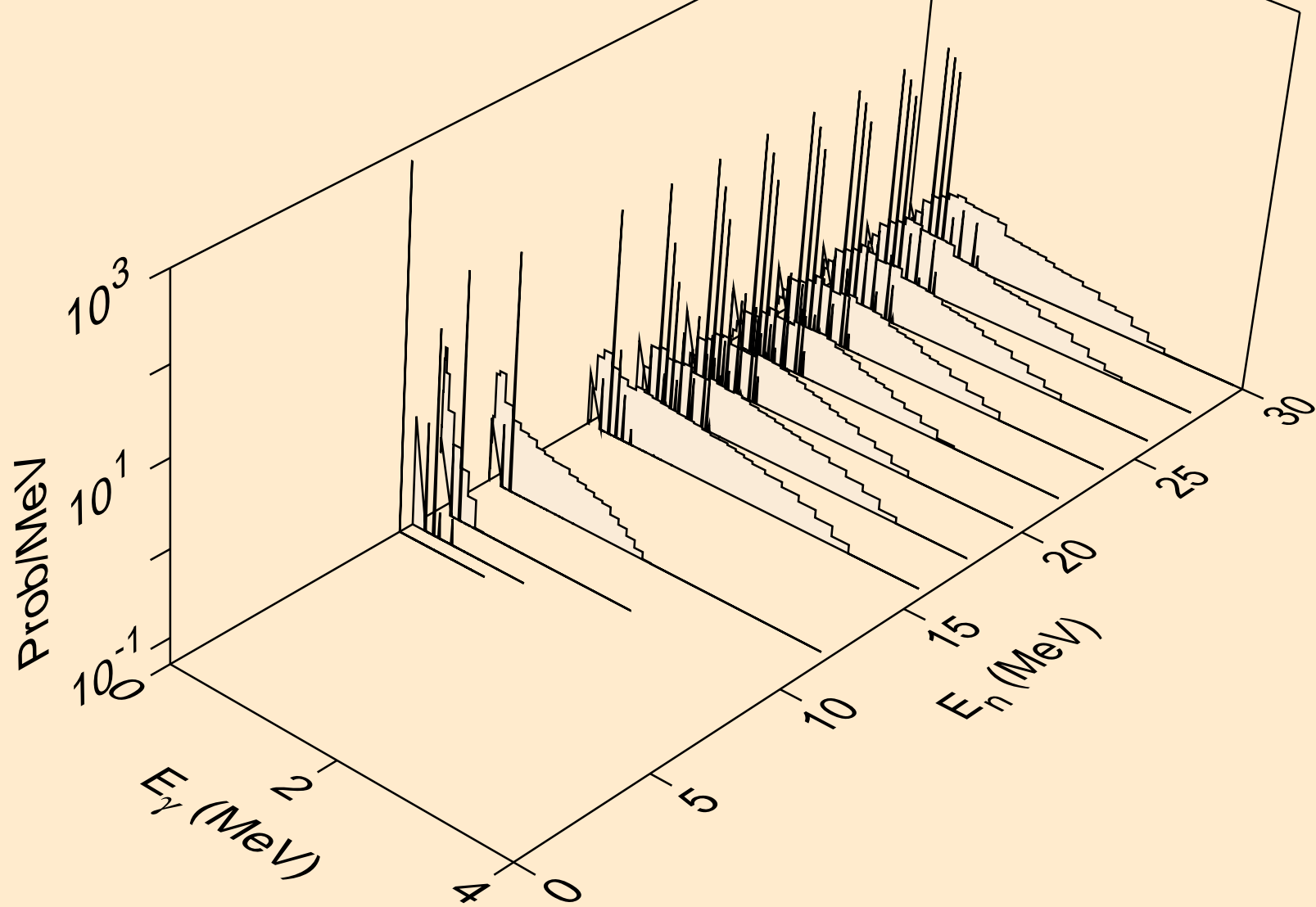
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Photon emission for (n,3n)



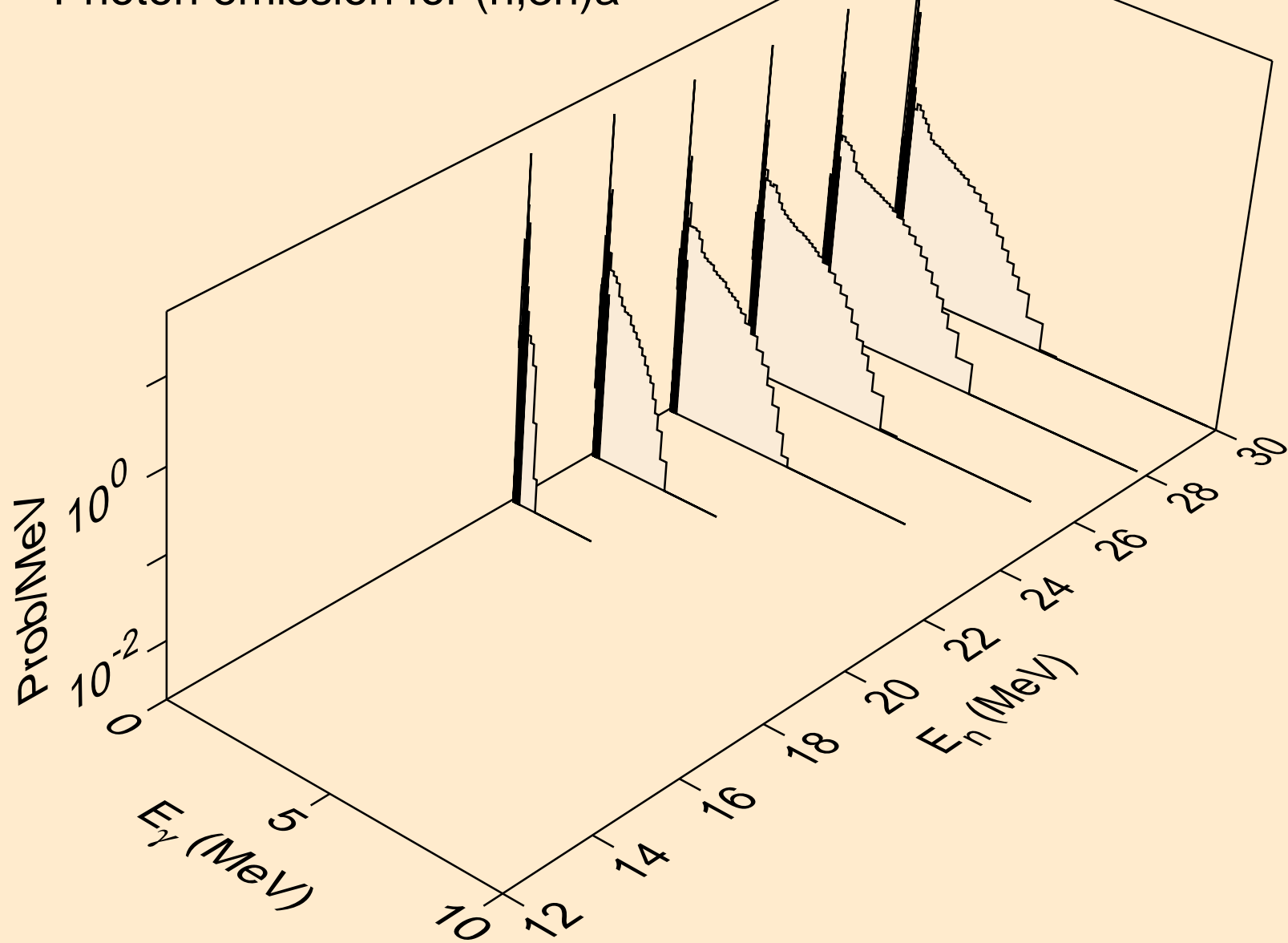
HG185M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)a



HG185M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2n)a

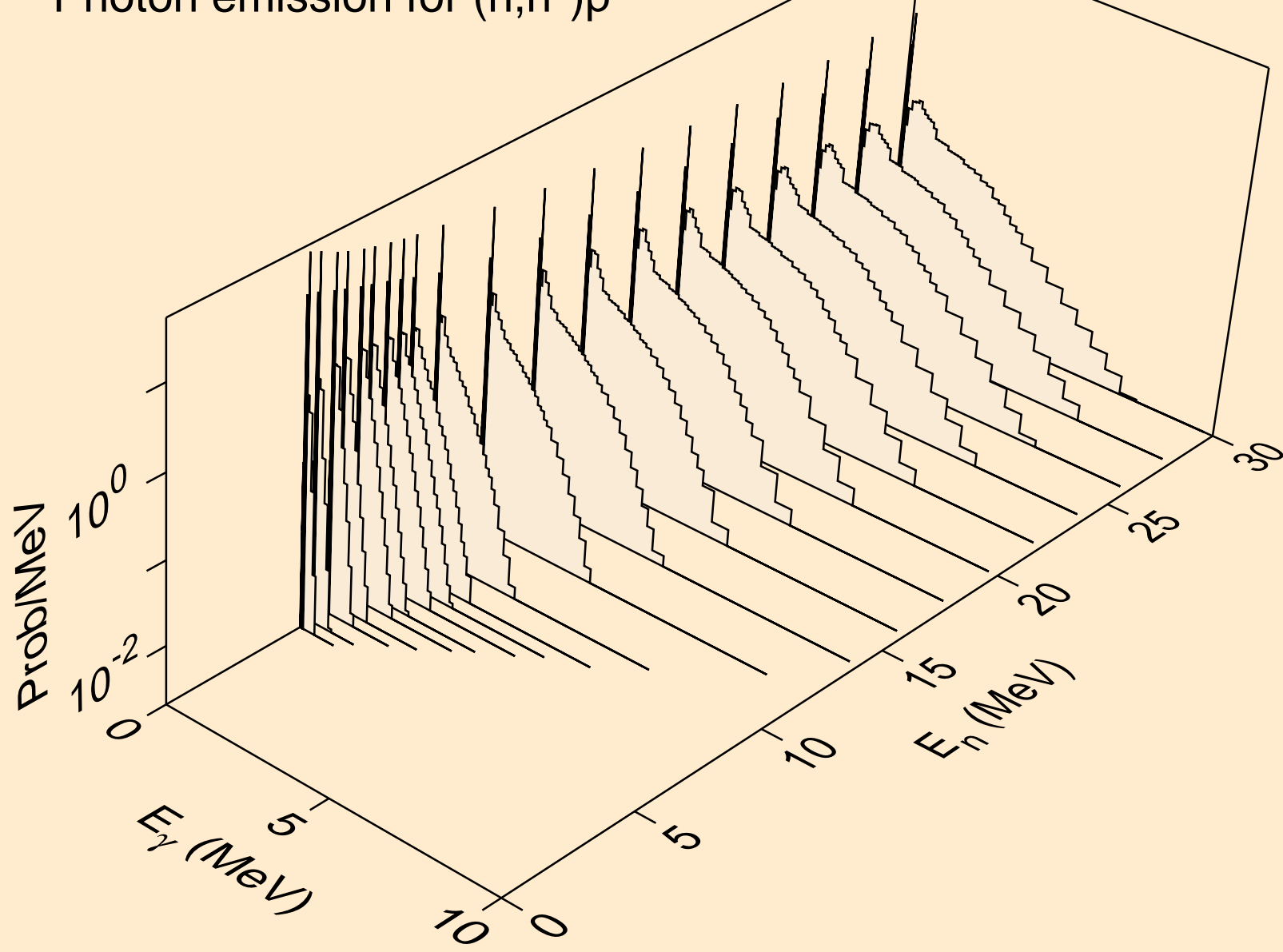


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Photon emission for (n,3n)a

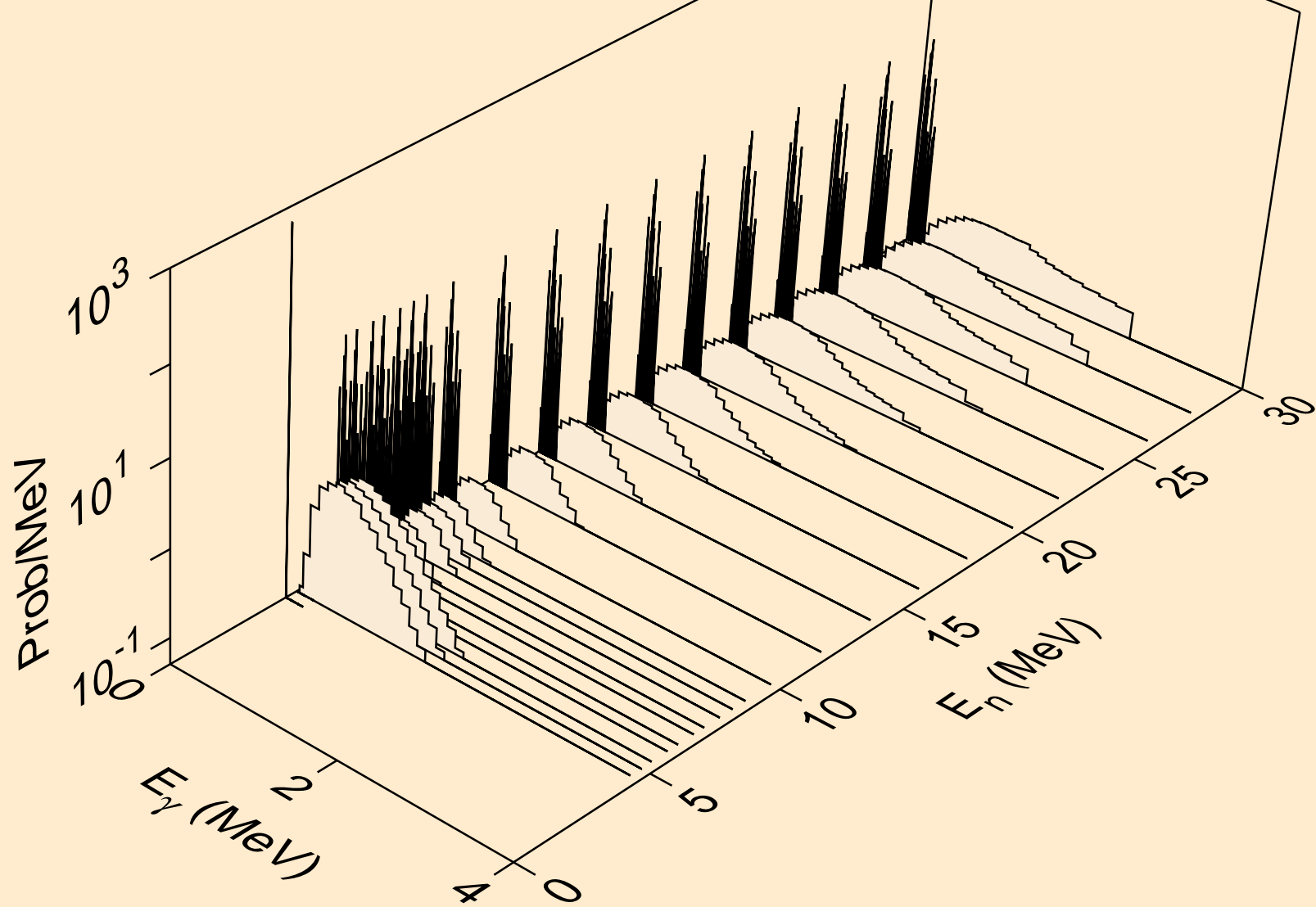




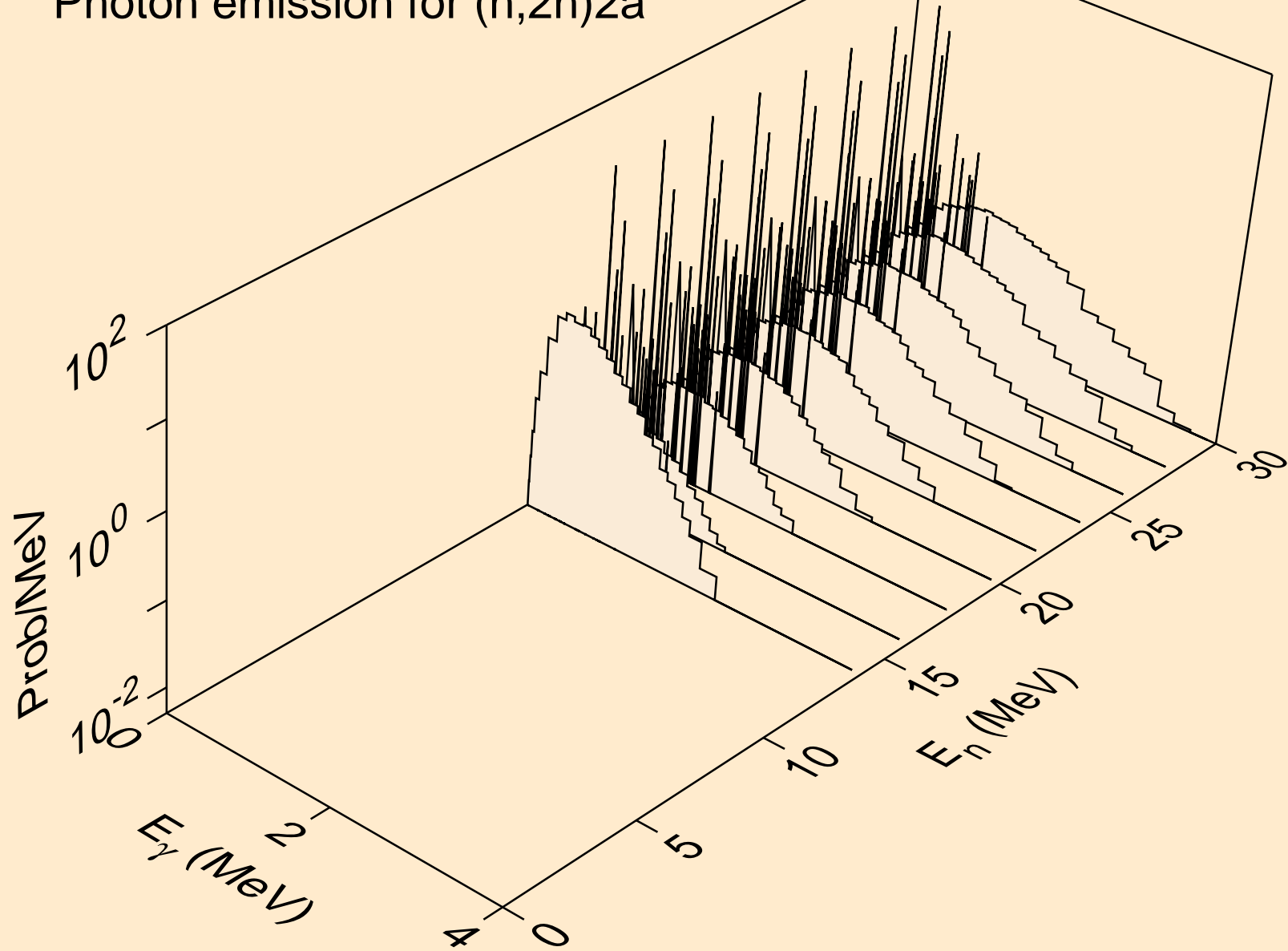
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Photon emission for (n,n\*)p



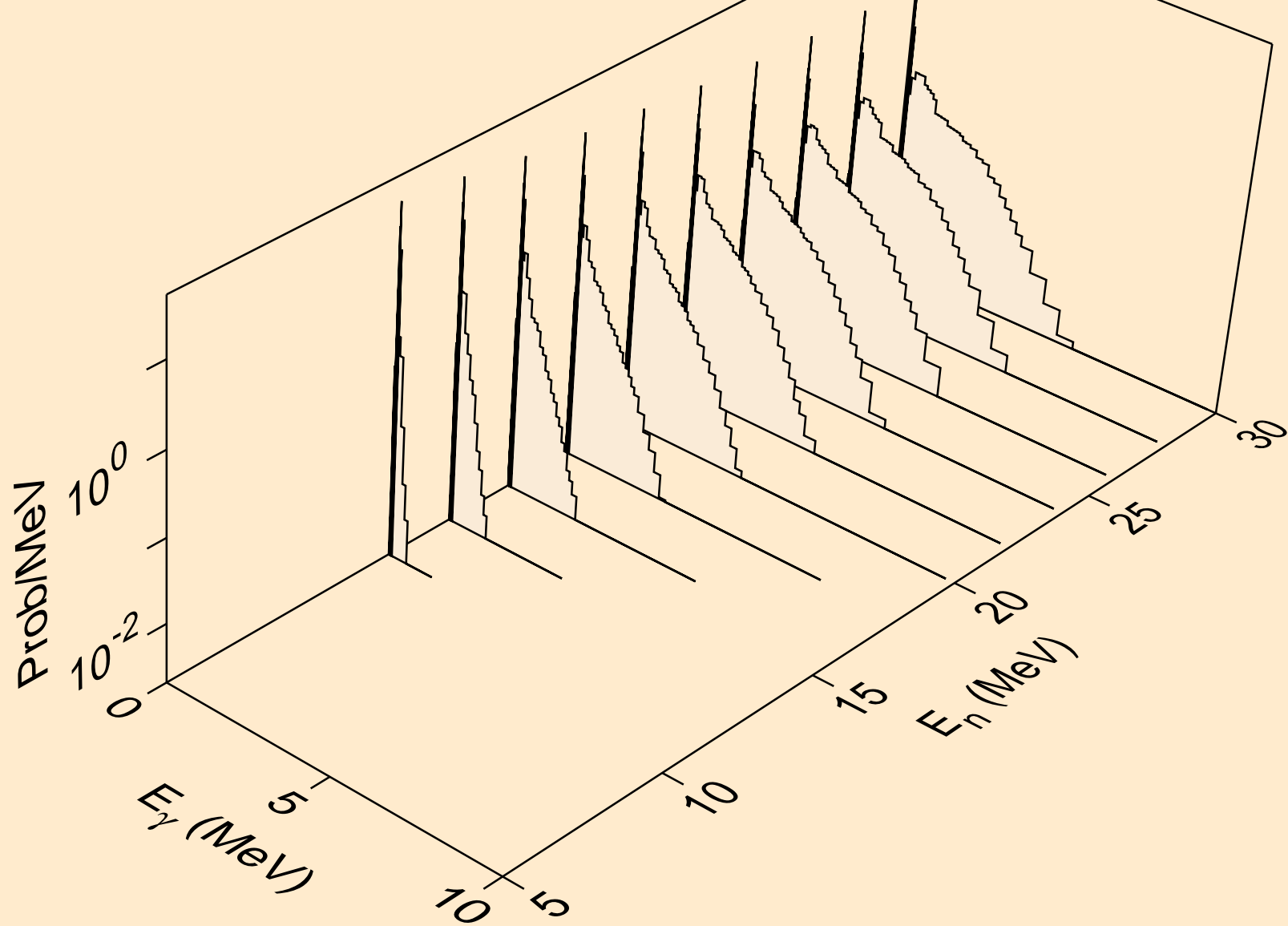
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Photon emission for (n,n\*)2a



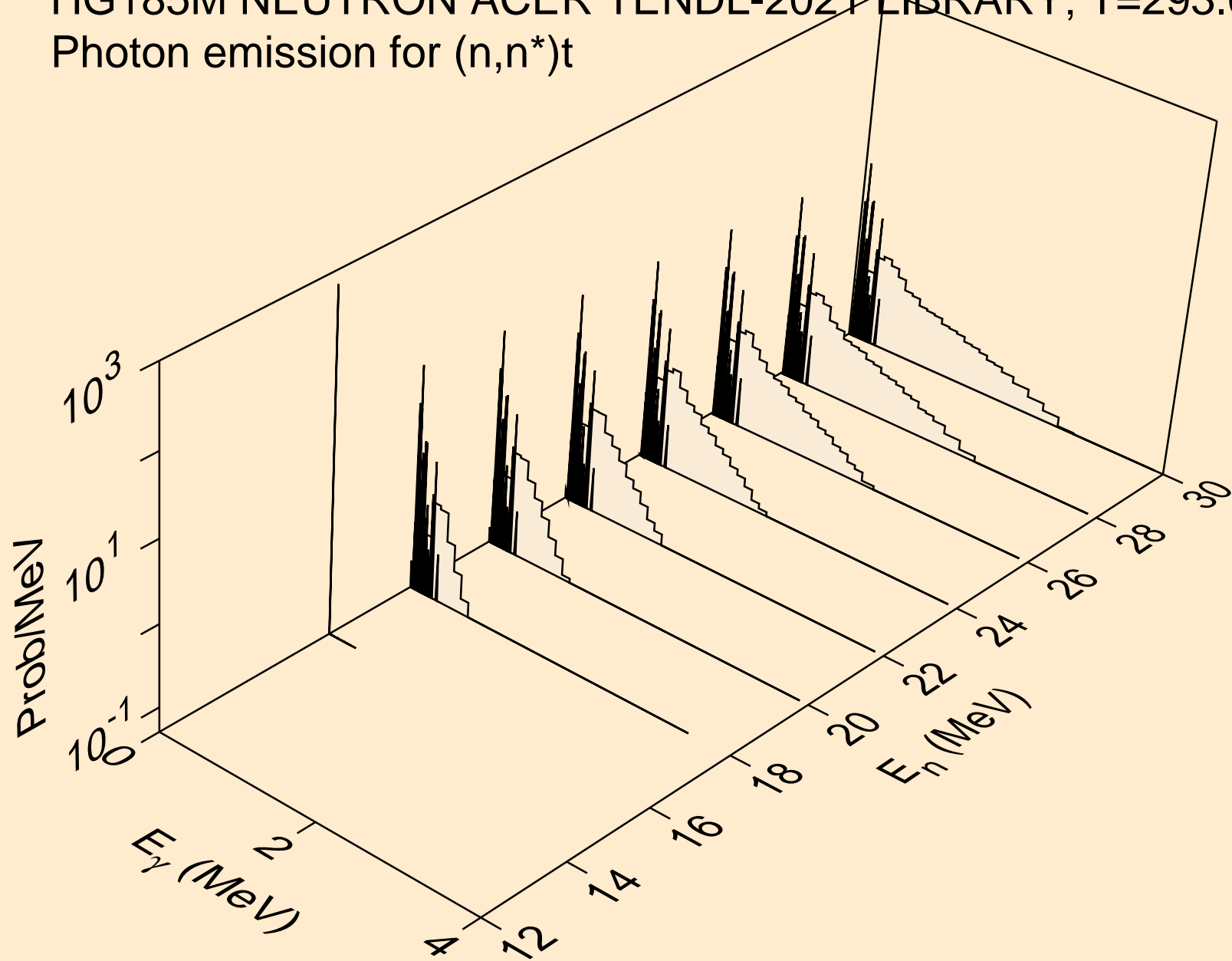
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Photon emission for (n,2n)2a



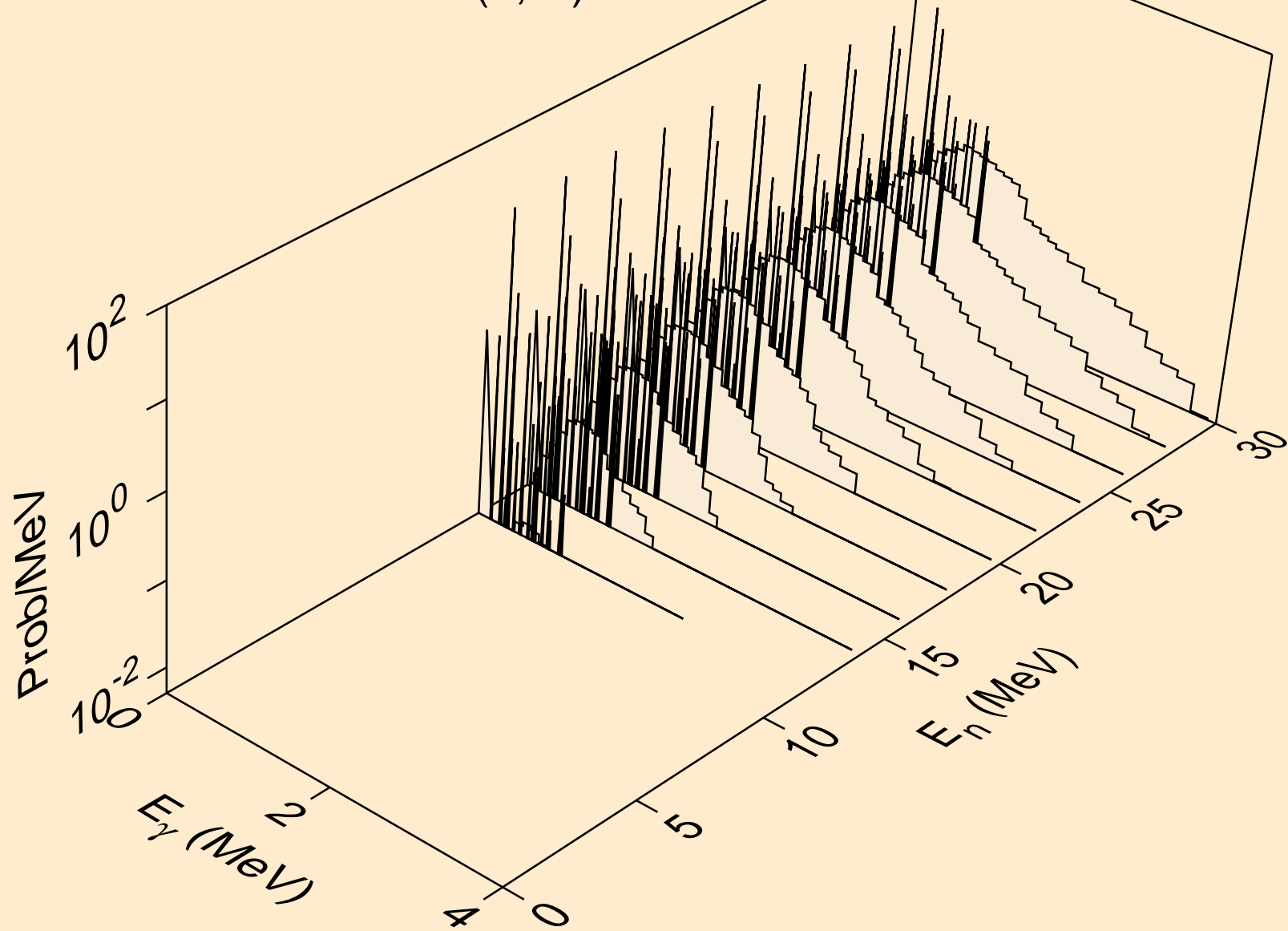
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Photon emission for (n,n\*)d



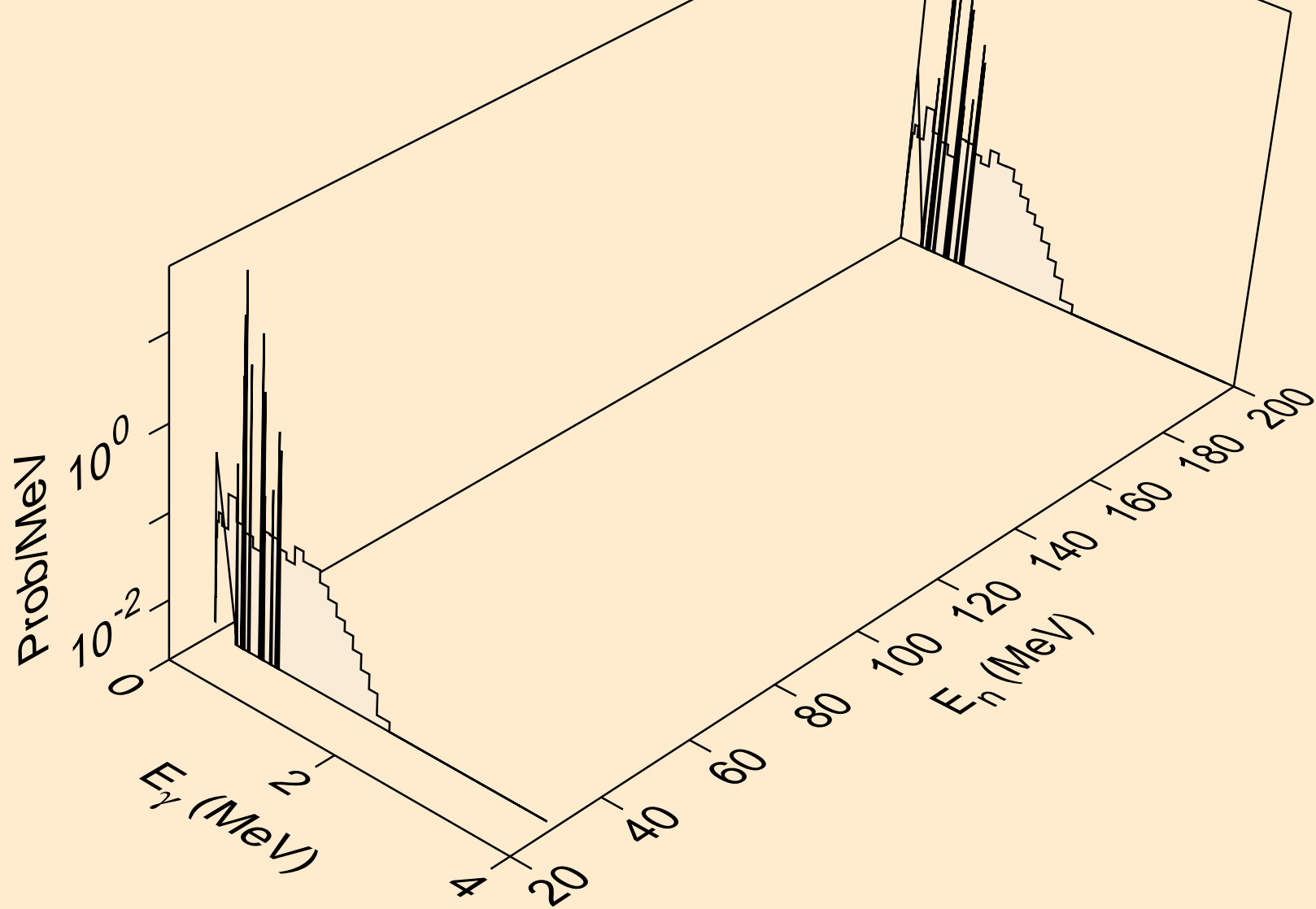
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Photon emission for (n,n\*)t



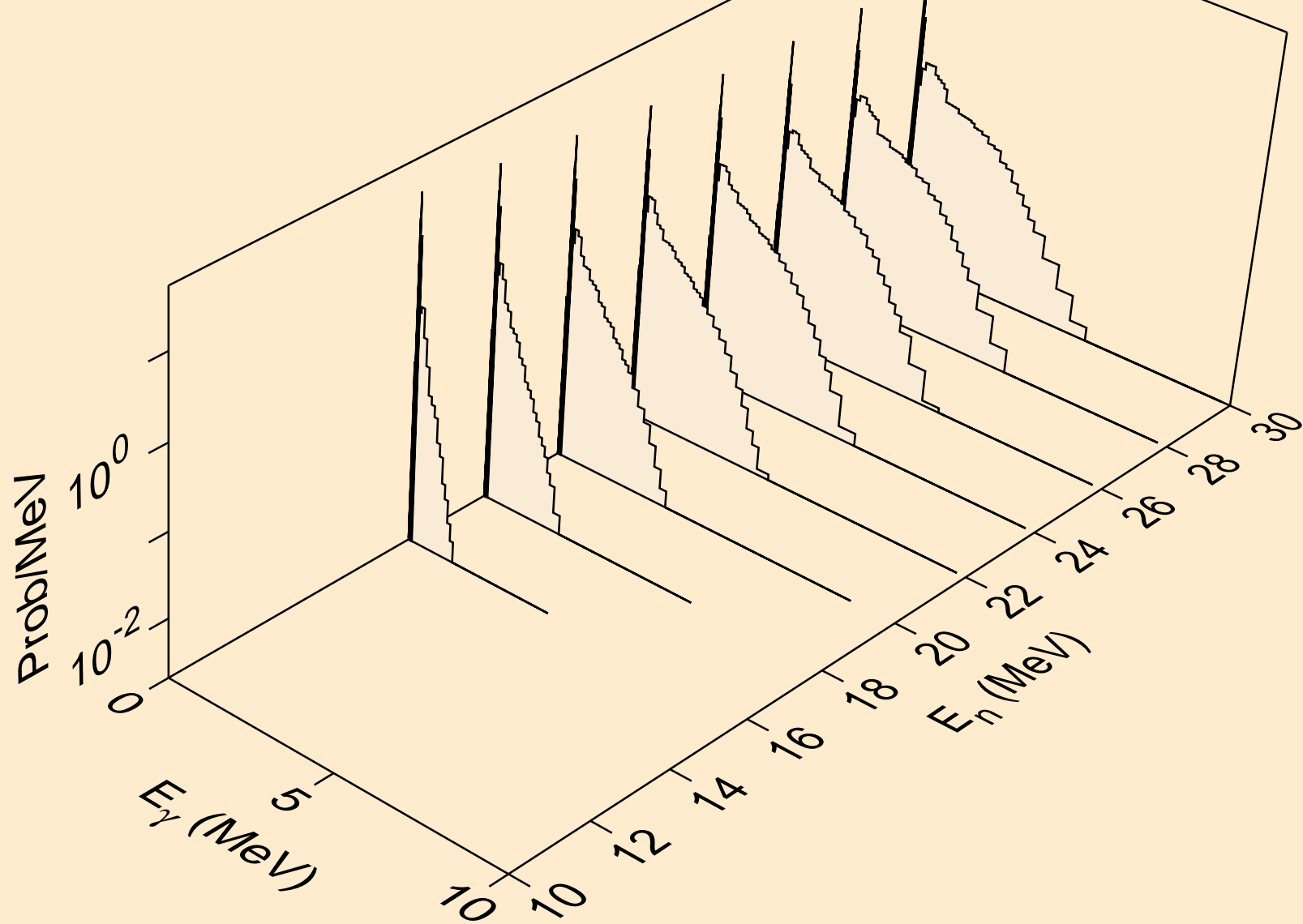
HG185M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)he3



HG185M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,4n)

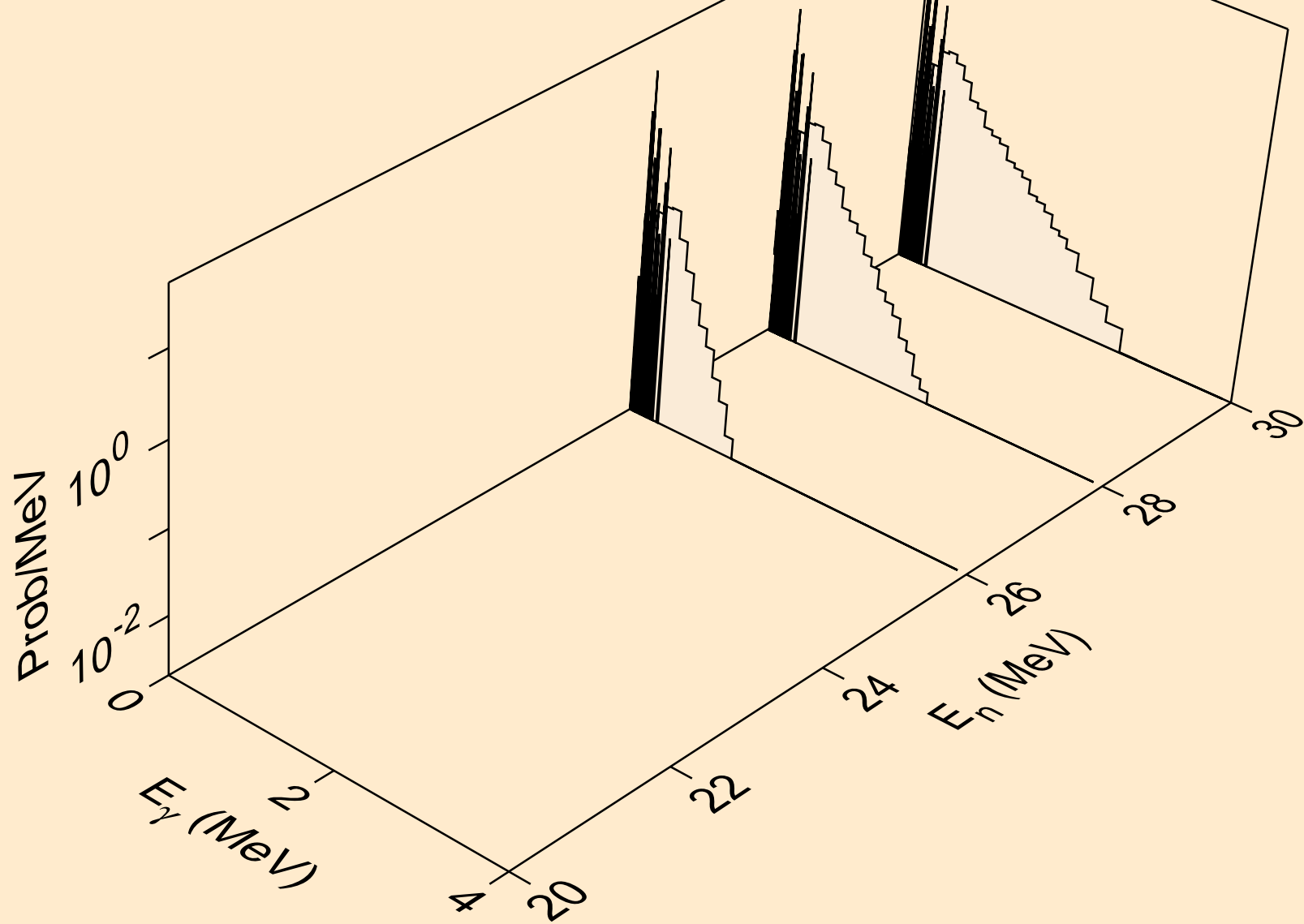


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Photon emission for (n,2np)

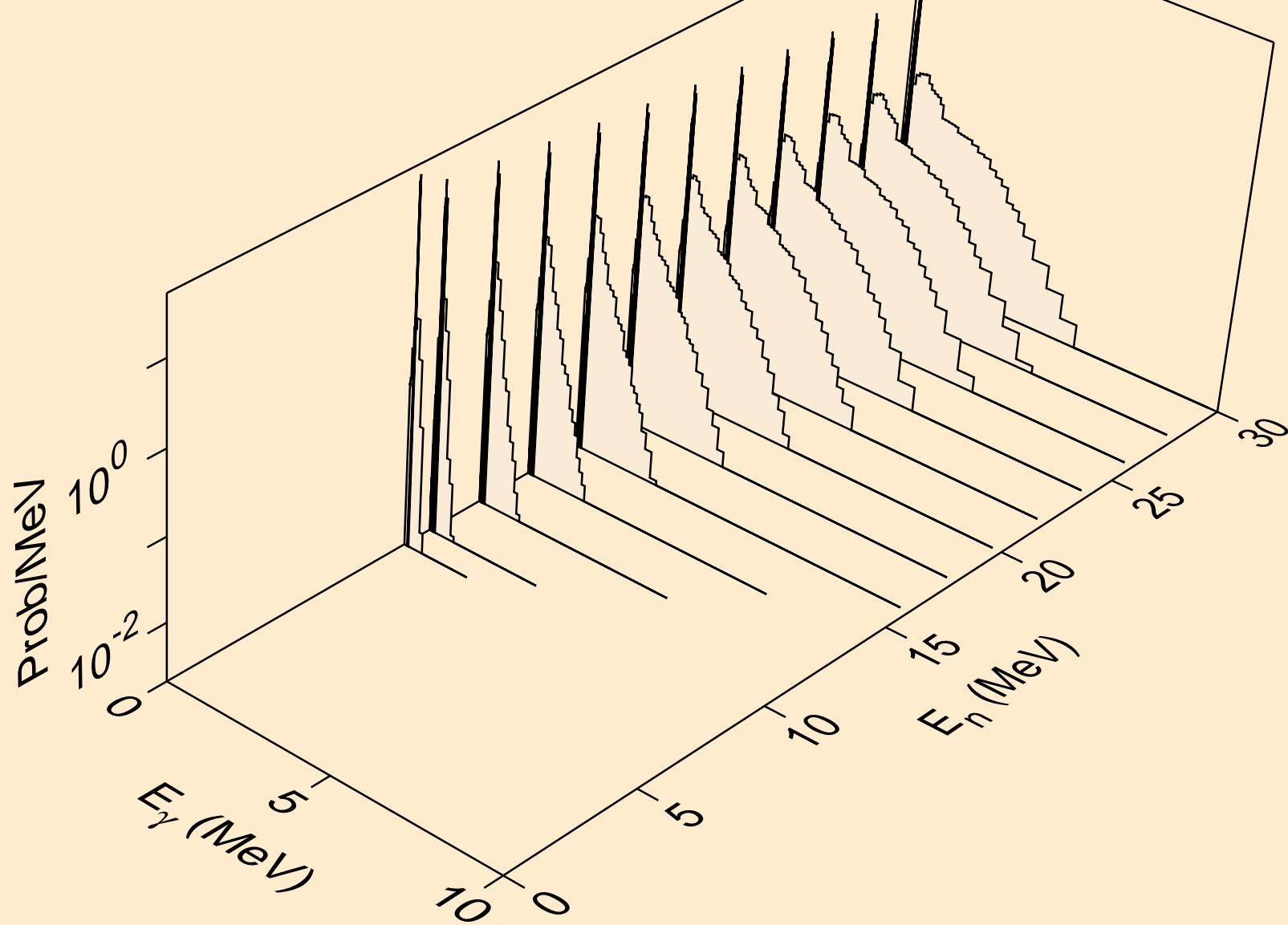




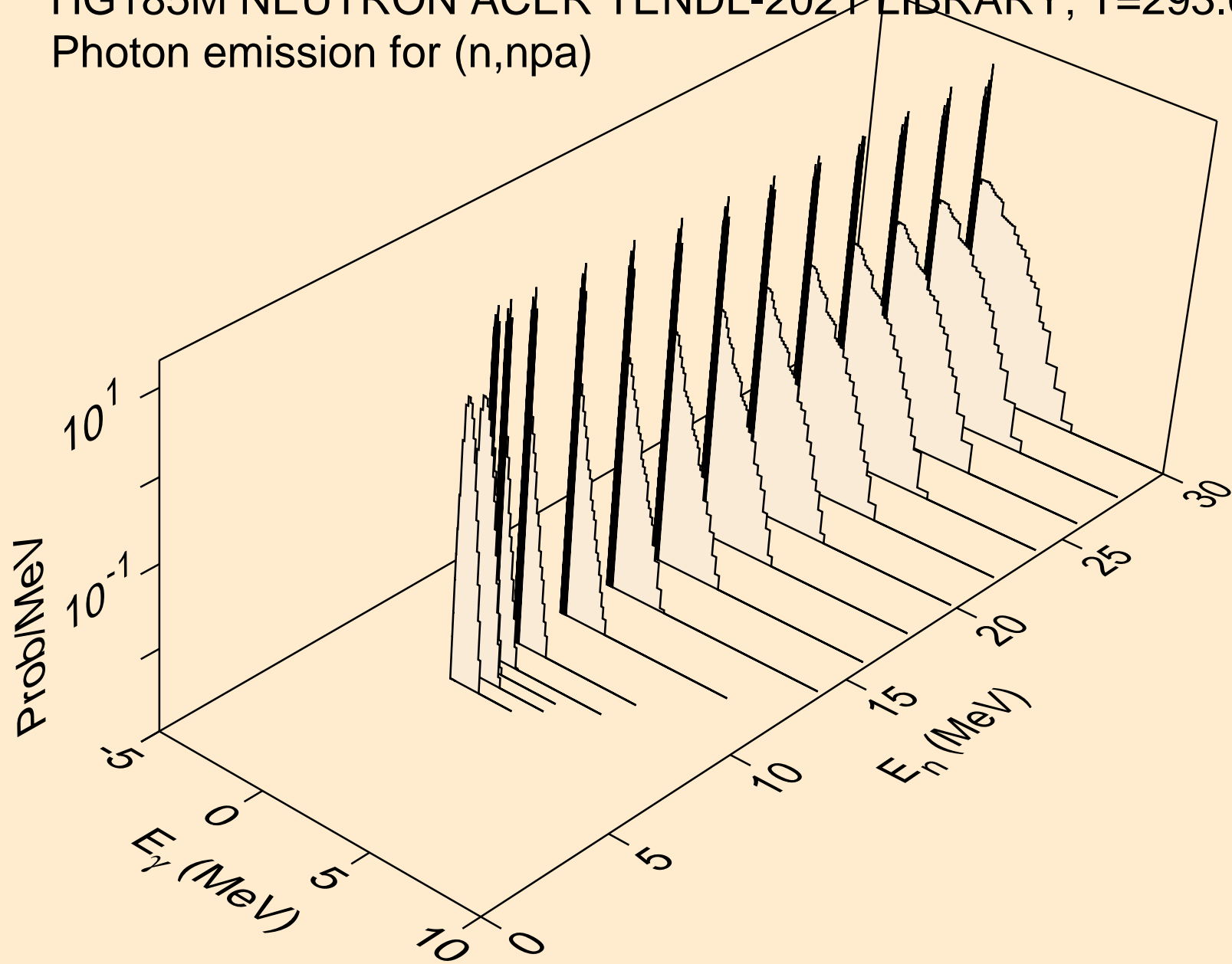
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Photon emission for (n,3np)



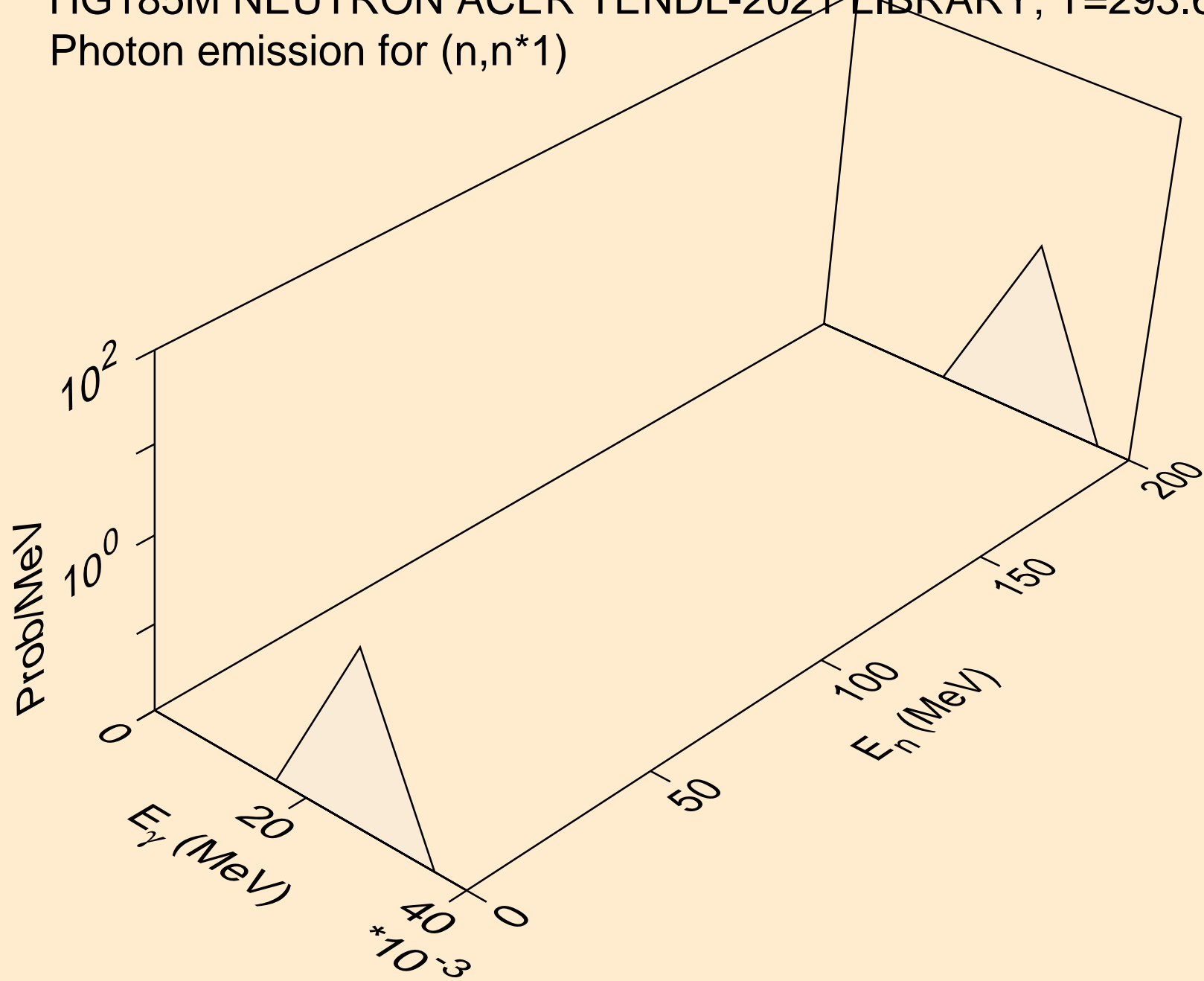
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Photon emission for (n,2np)



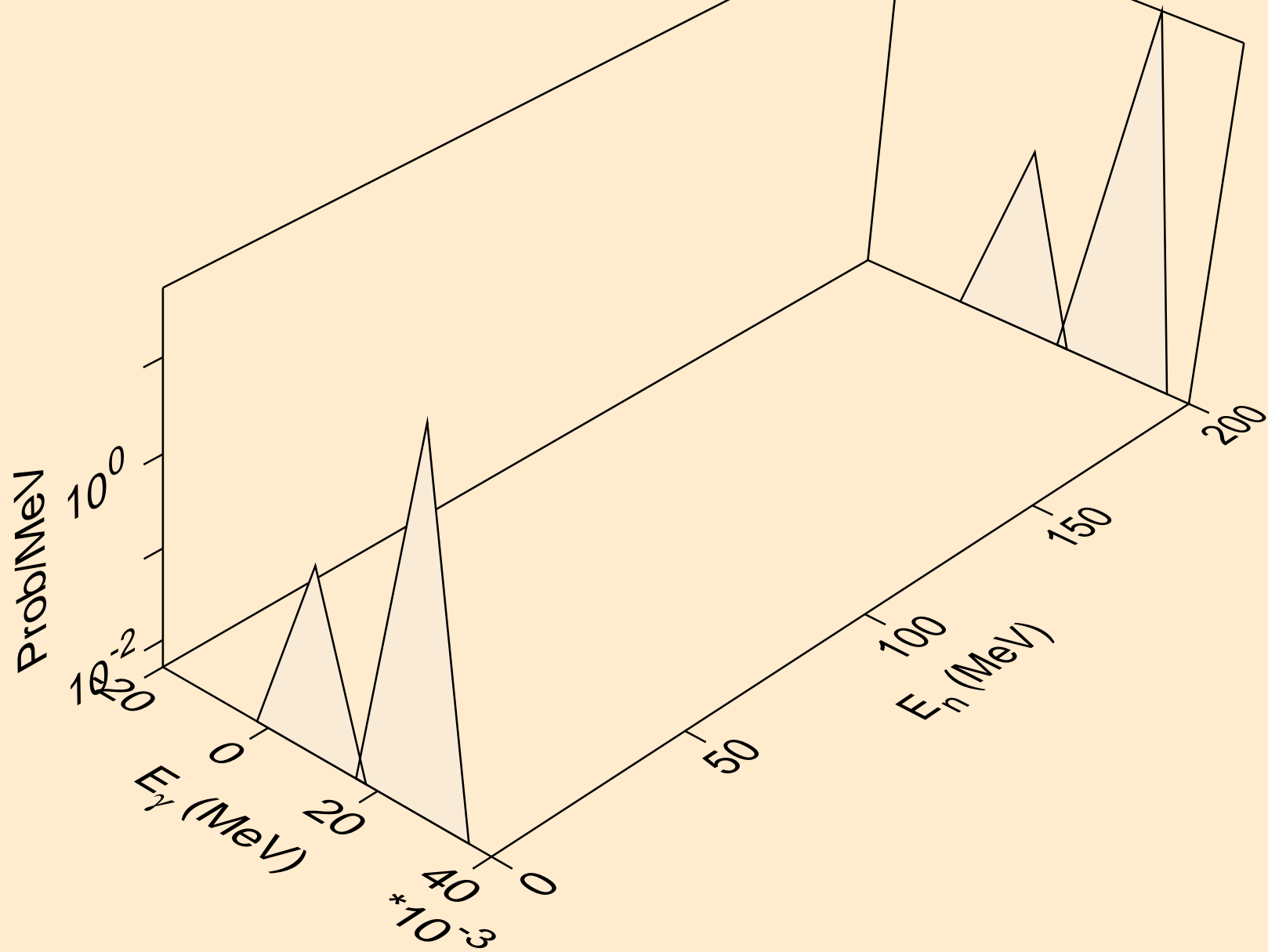
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Photon emission for (n,npa)



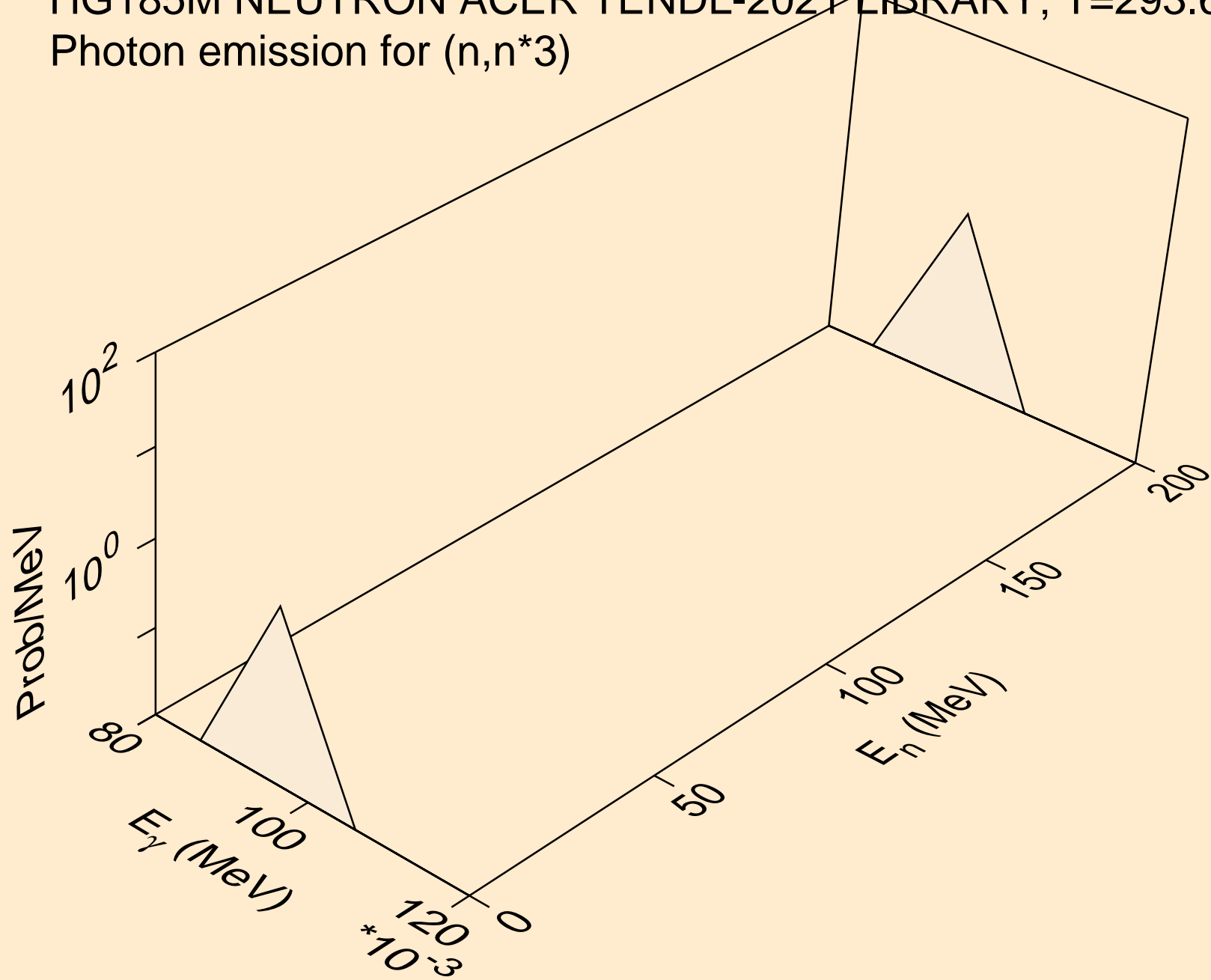
HG185M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*1)



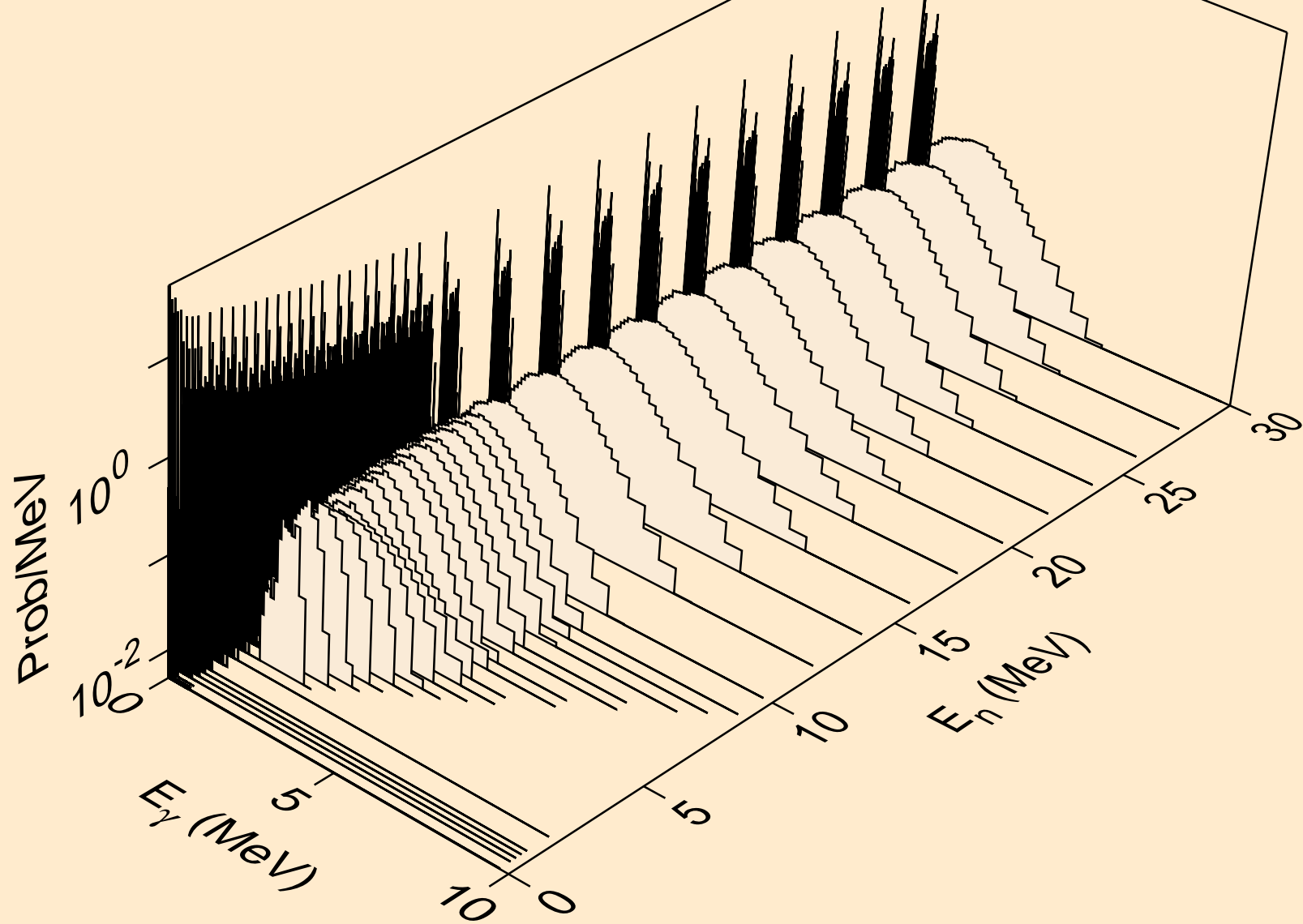
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Photon emission for (n,n\*2)



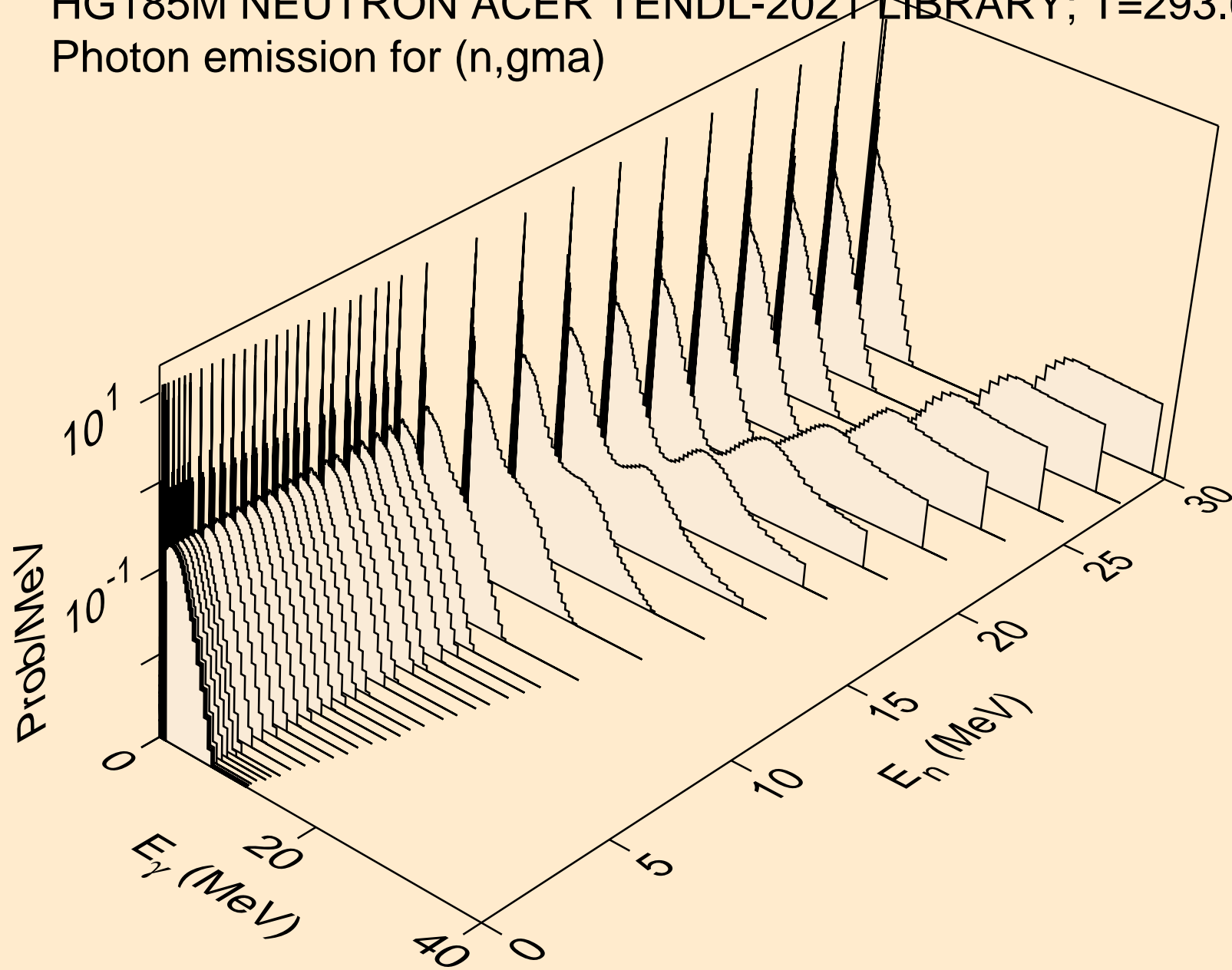
HG185M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*3)



HG185M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*c)

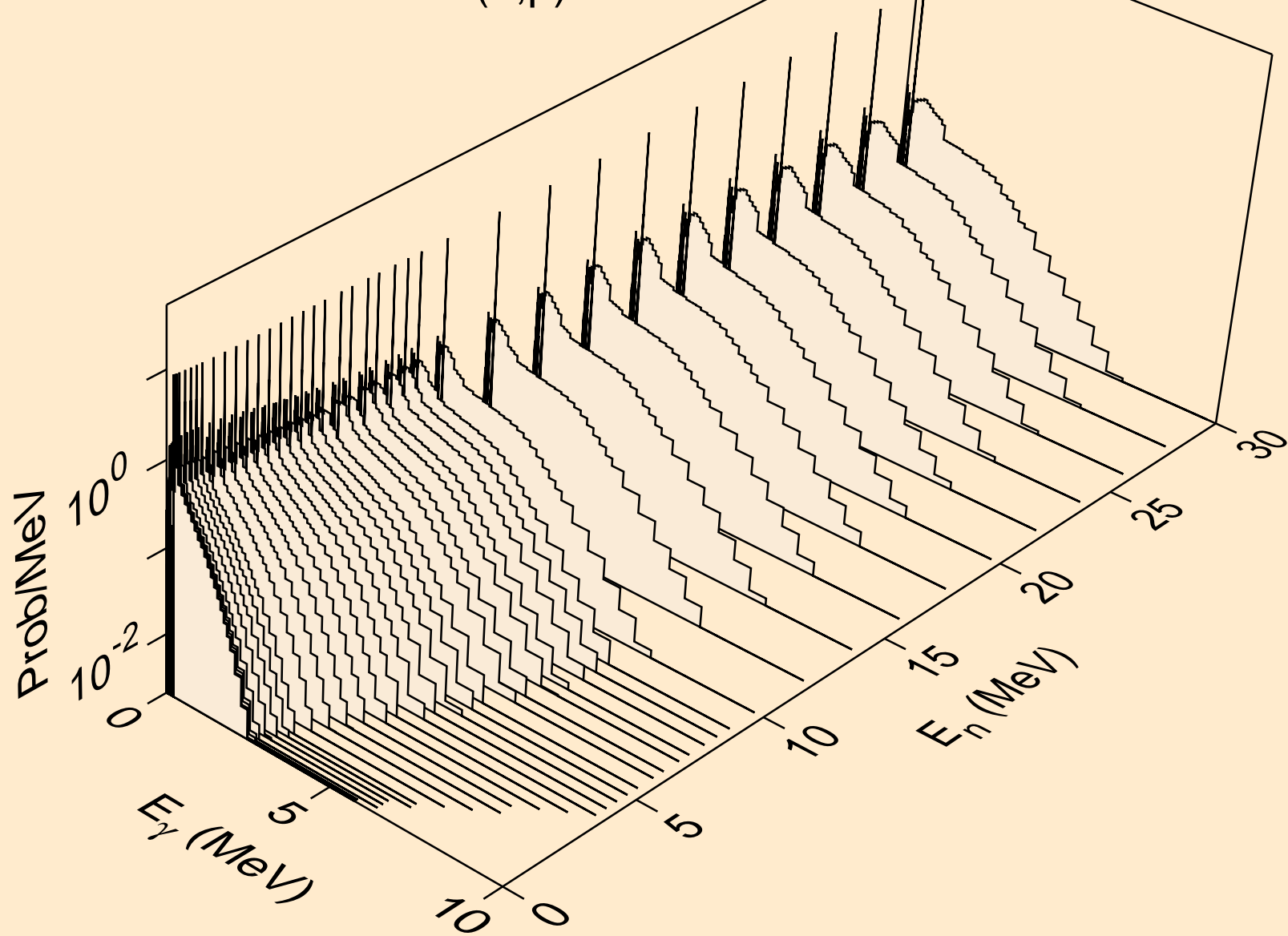


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Photon emission for (n,gma)

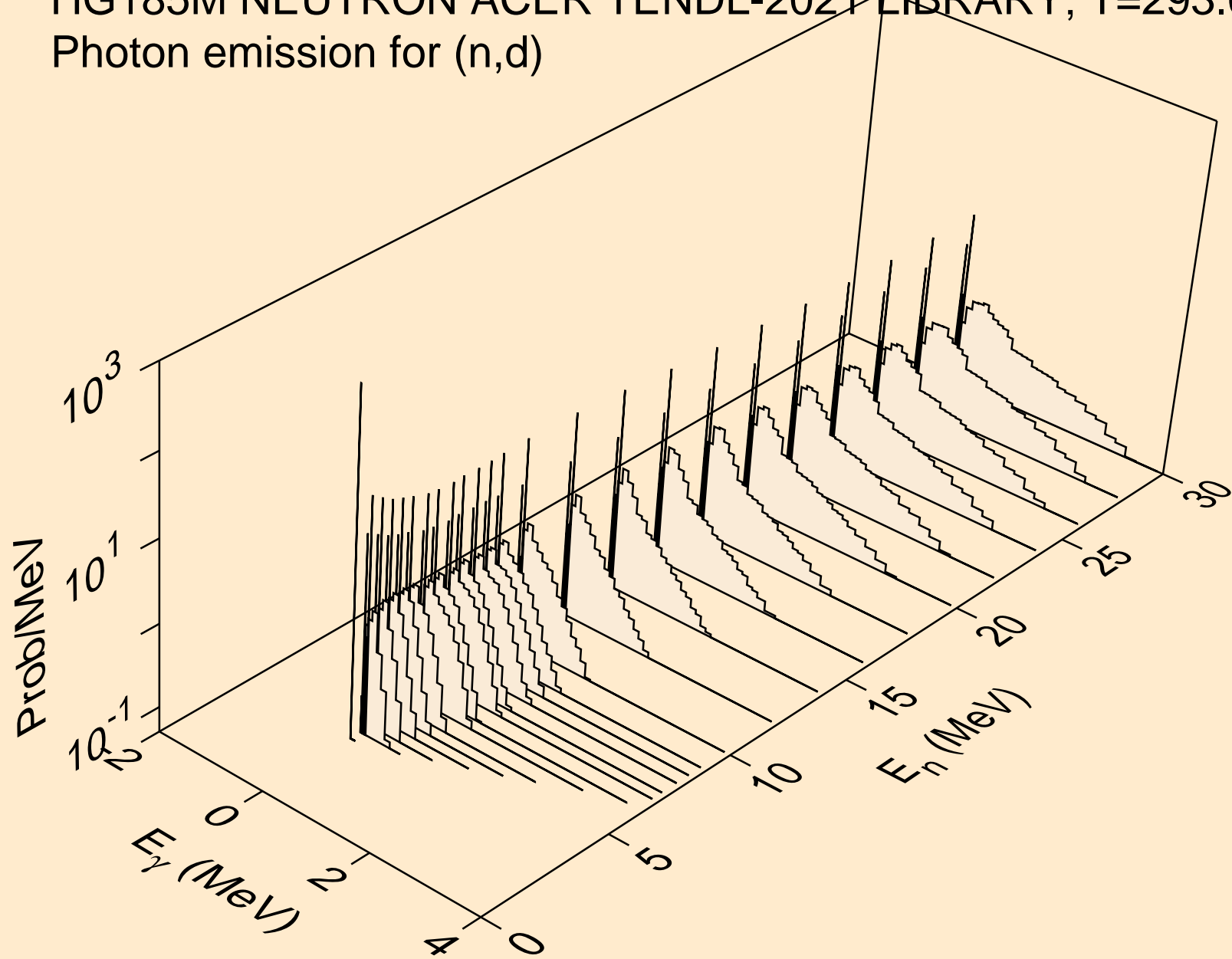




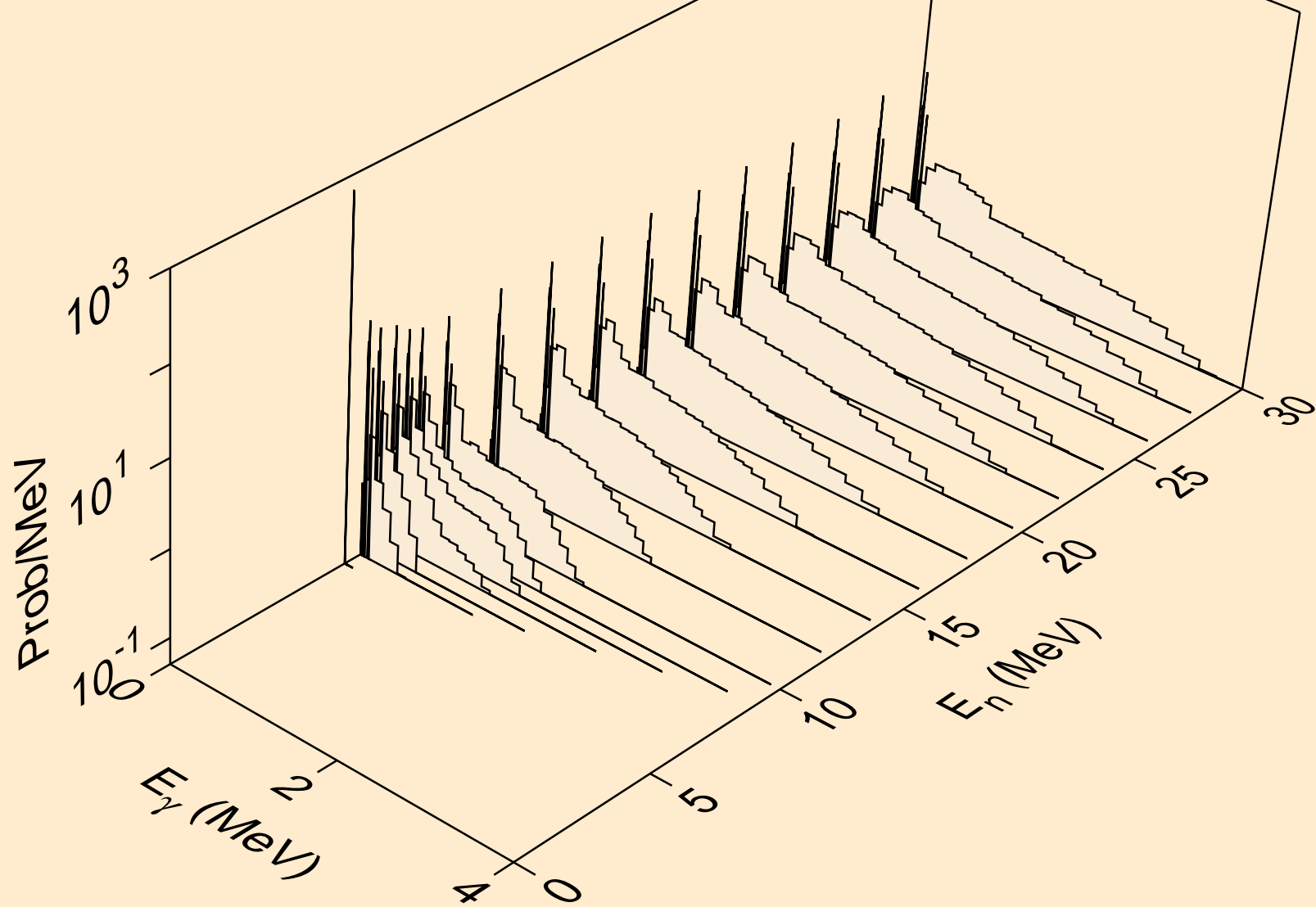
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Photon emission for (n,p)



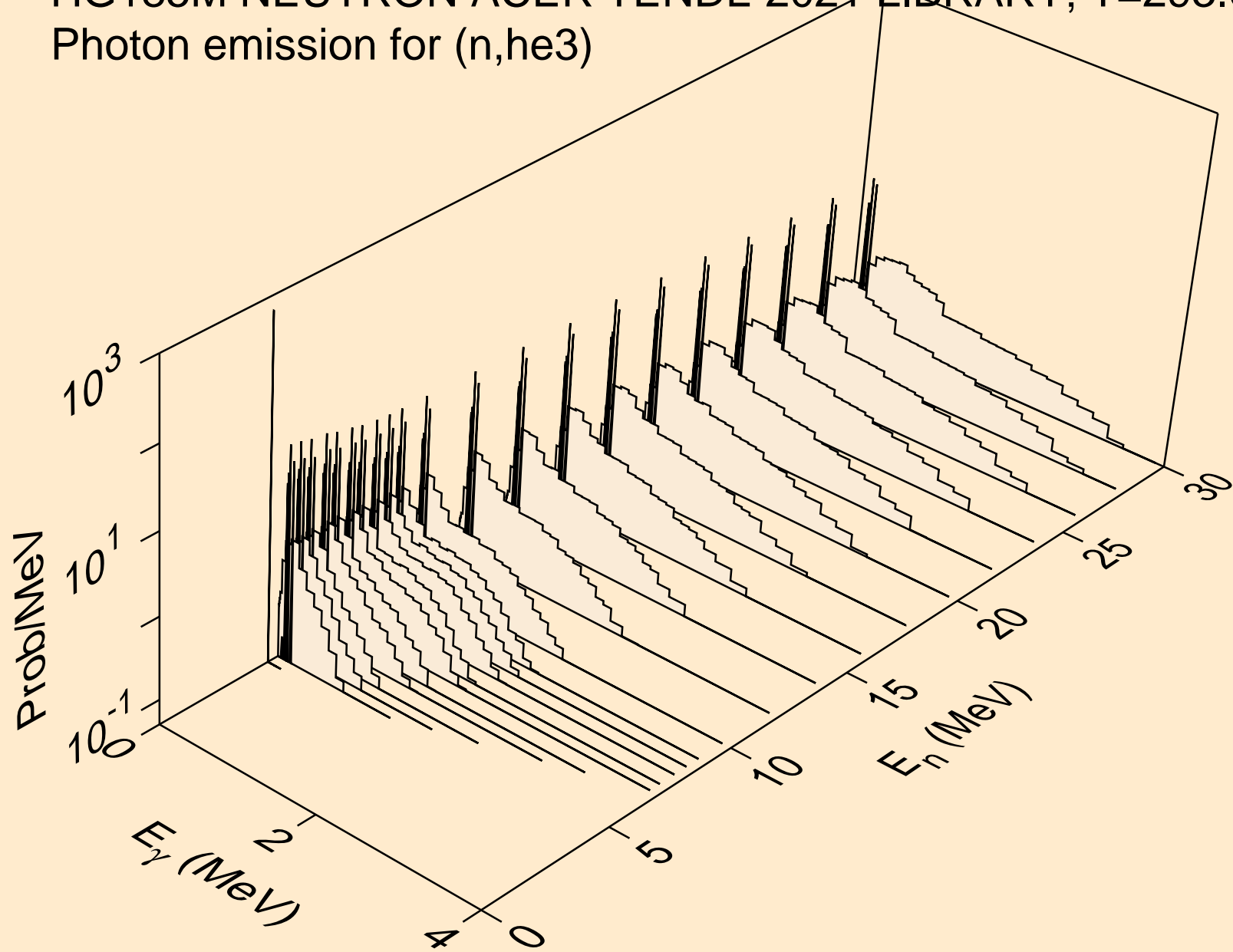
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Photon emission for (n,d)



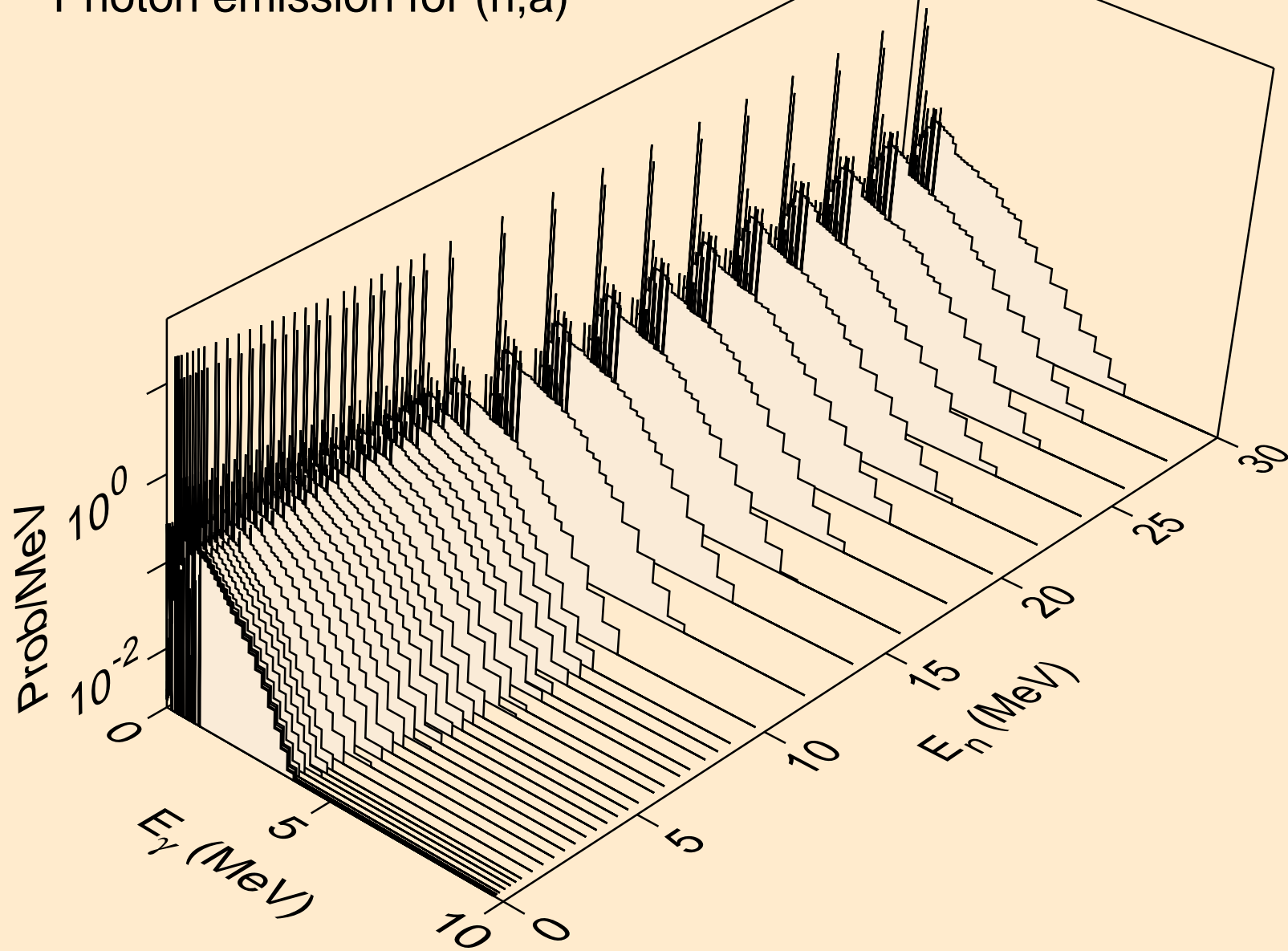
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Photon emission for (n,t)



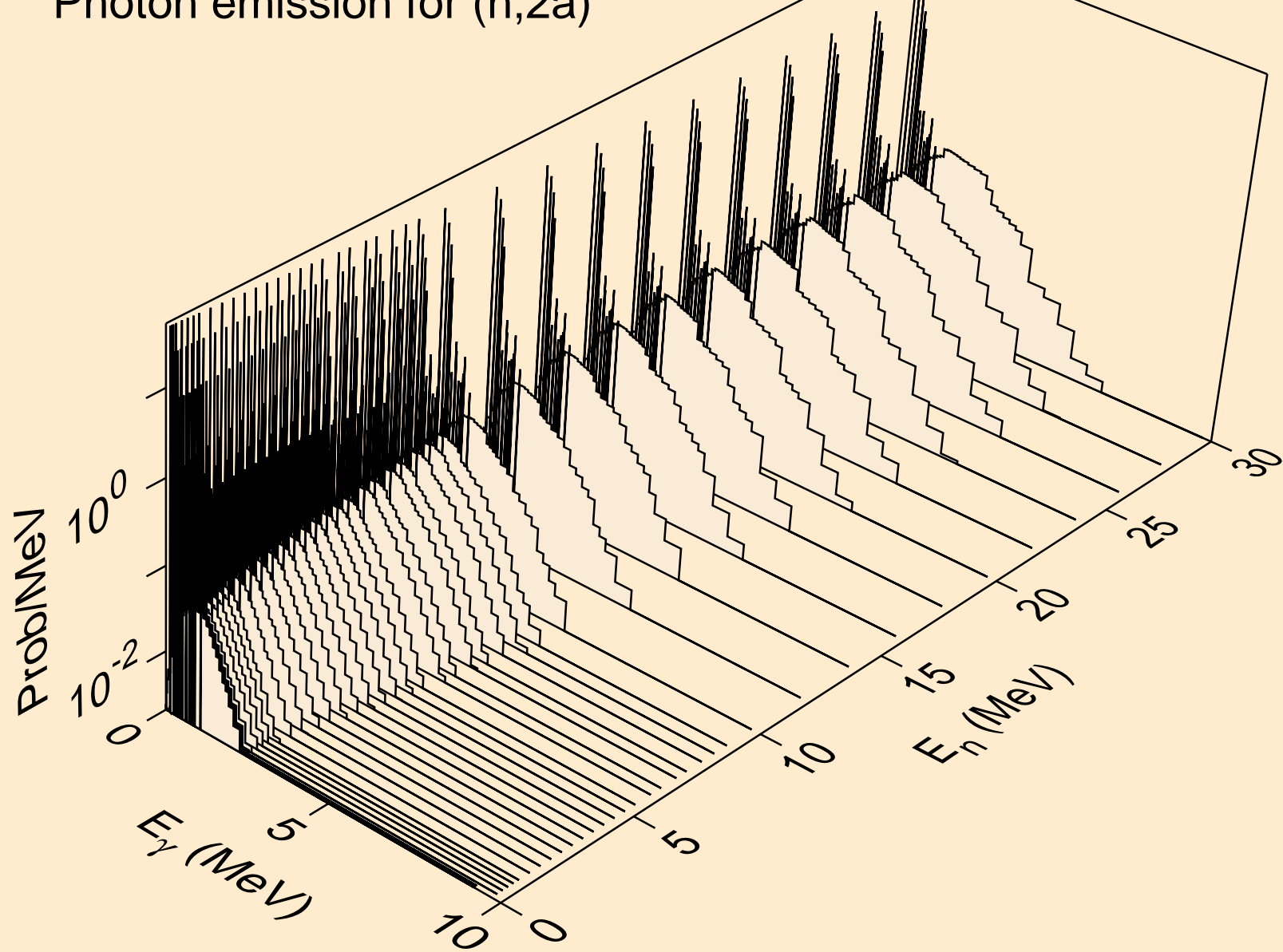
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Photon emission for (n,he3)



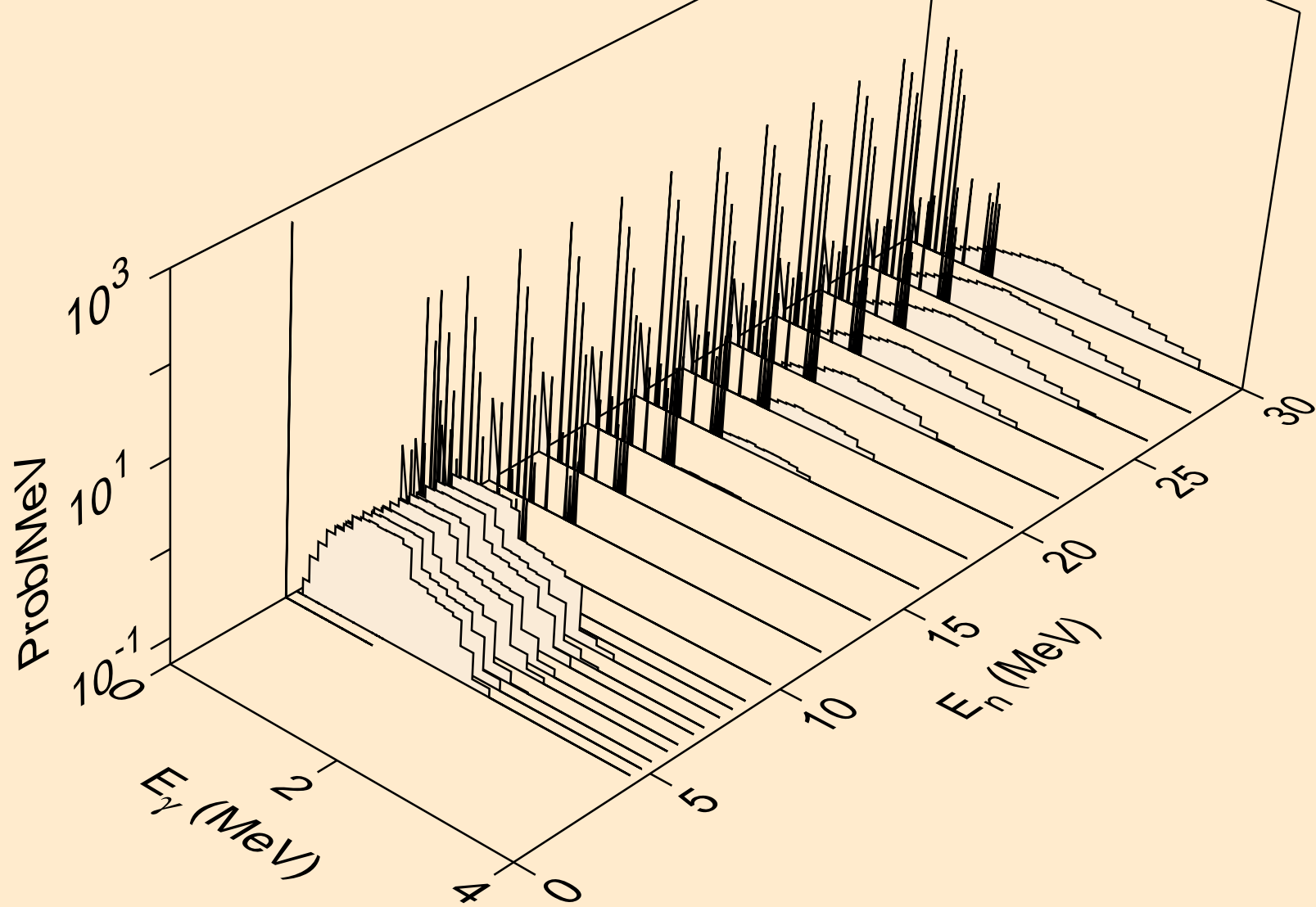
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Photon emission for (n,a)



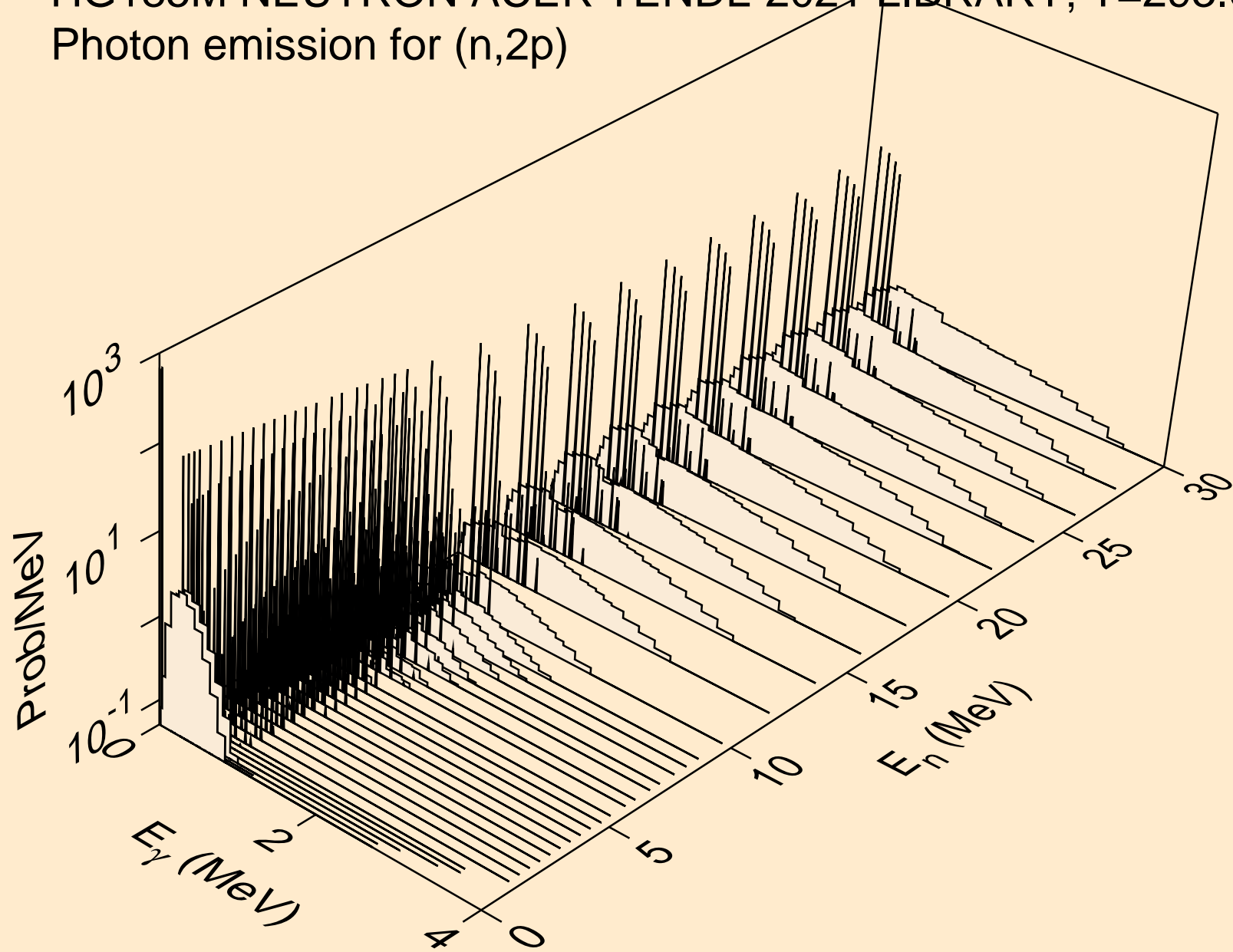
HG185M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2a)



HG185M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3a)

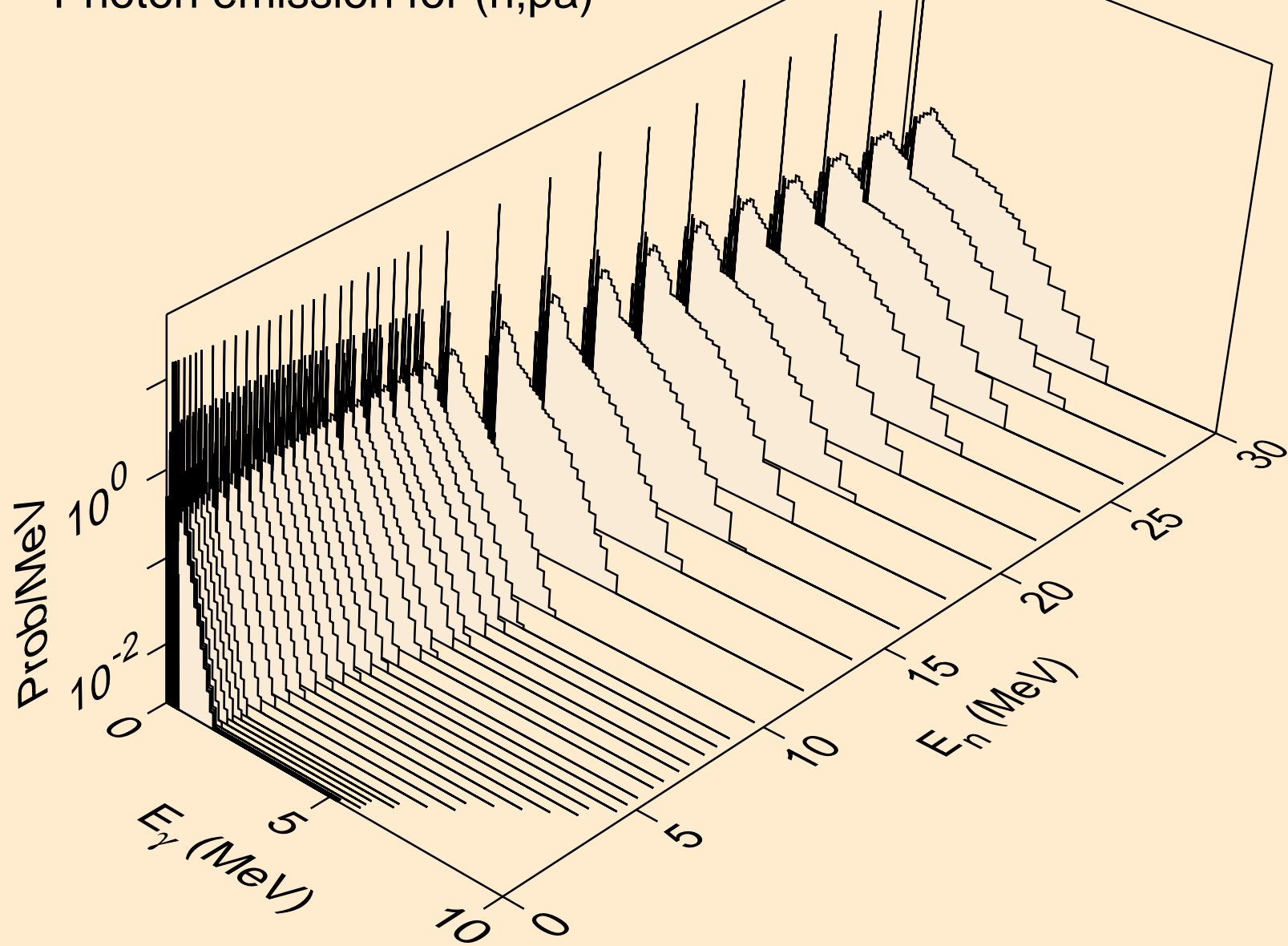


HG185M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2p)

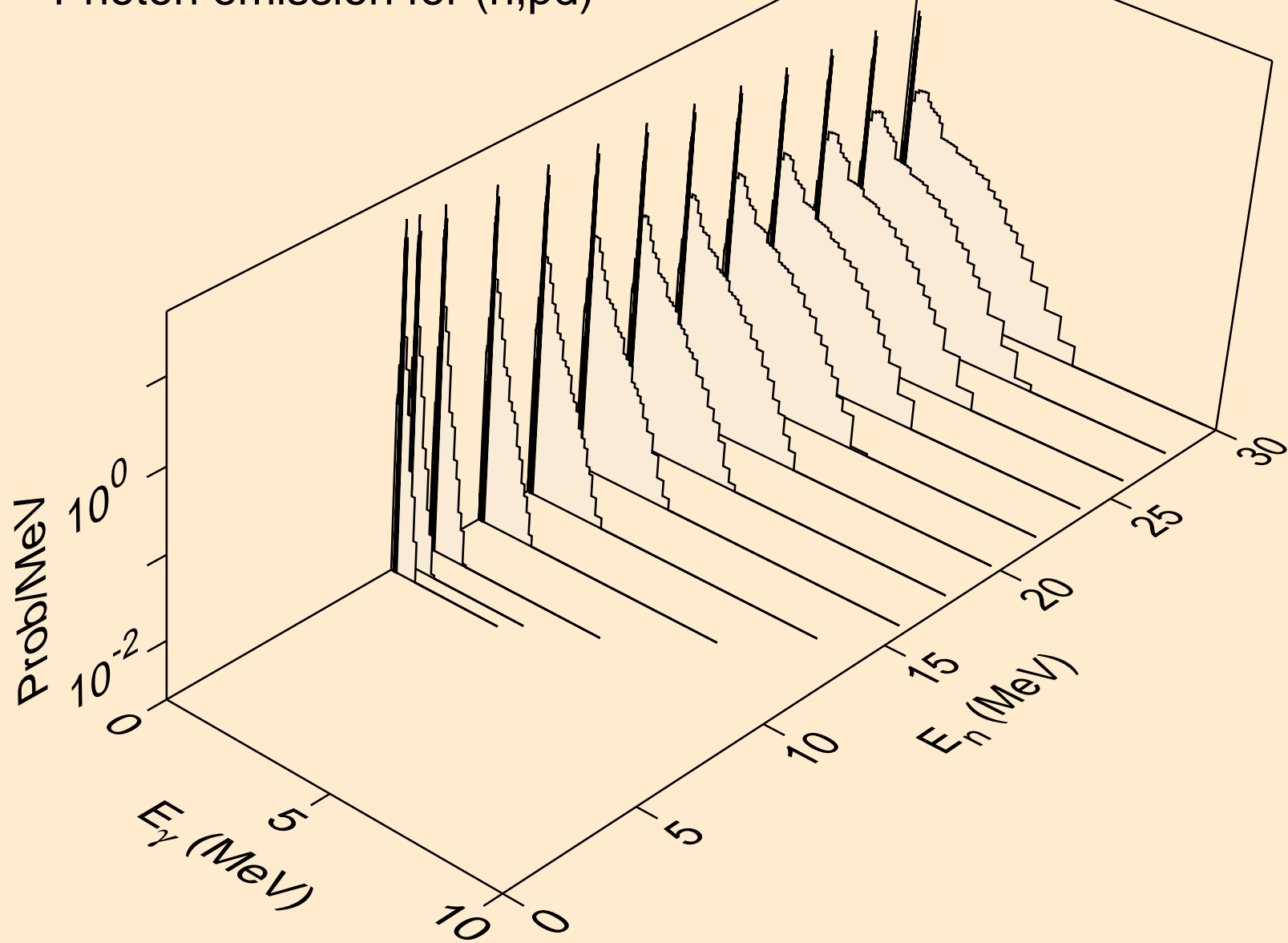




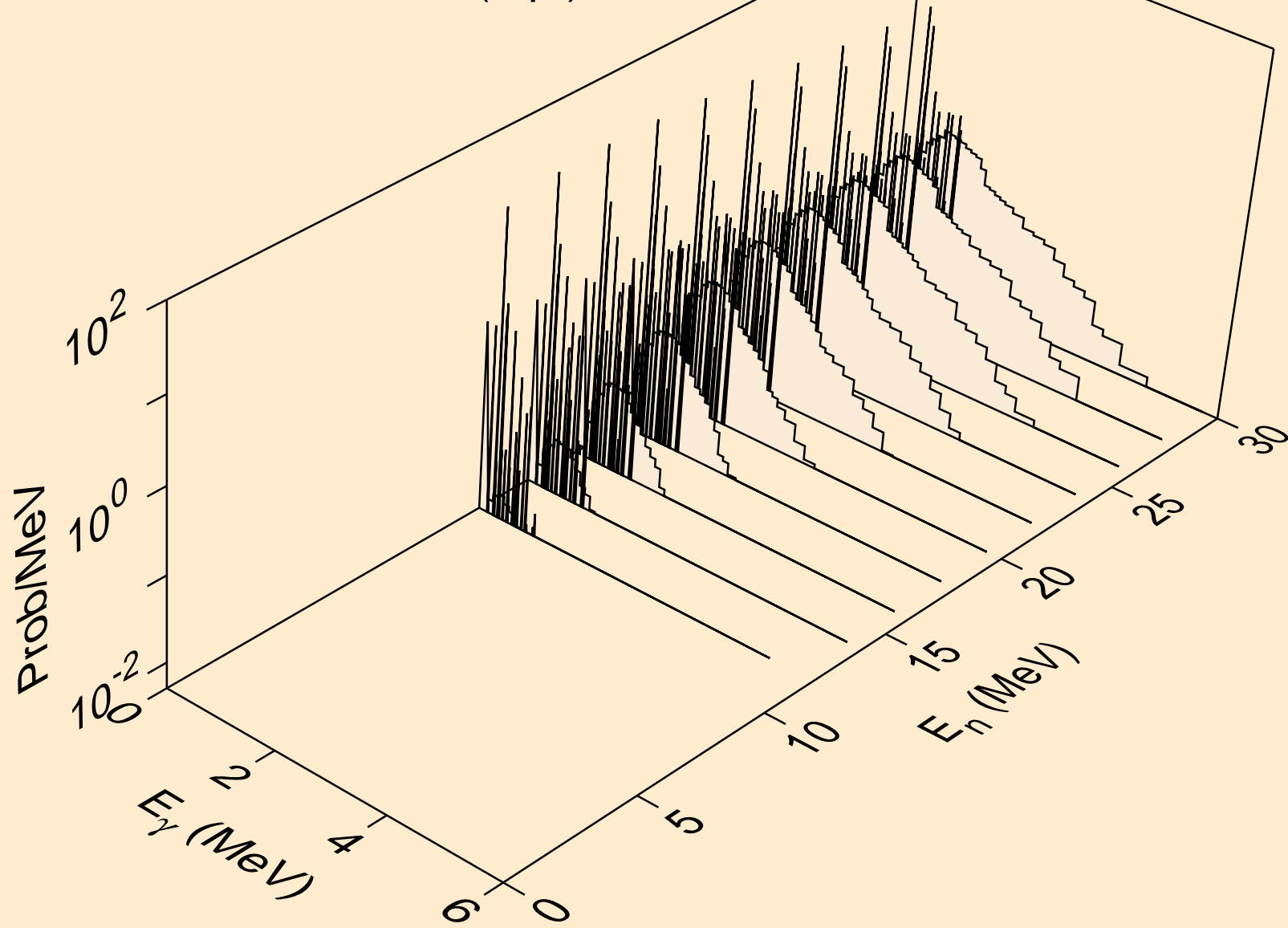
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Photon emission for (n,p $\alpha$ )



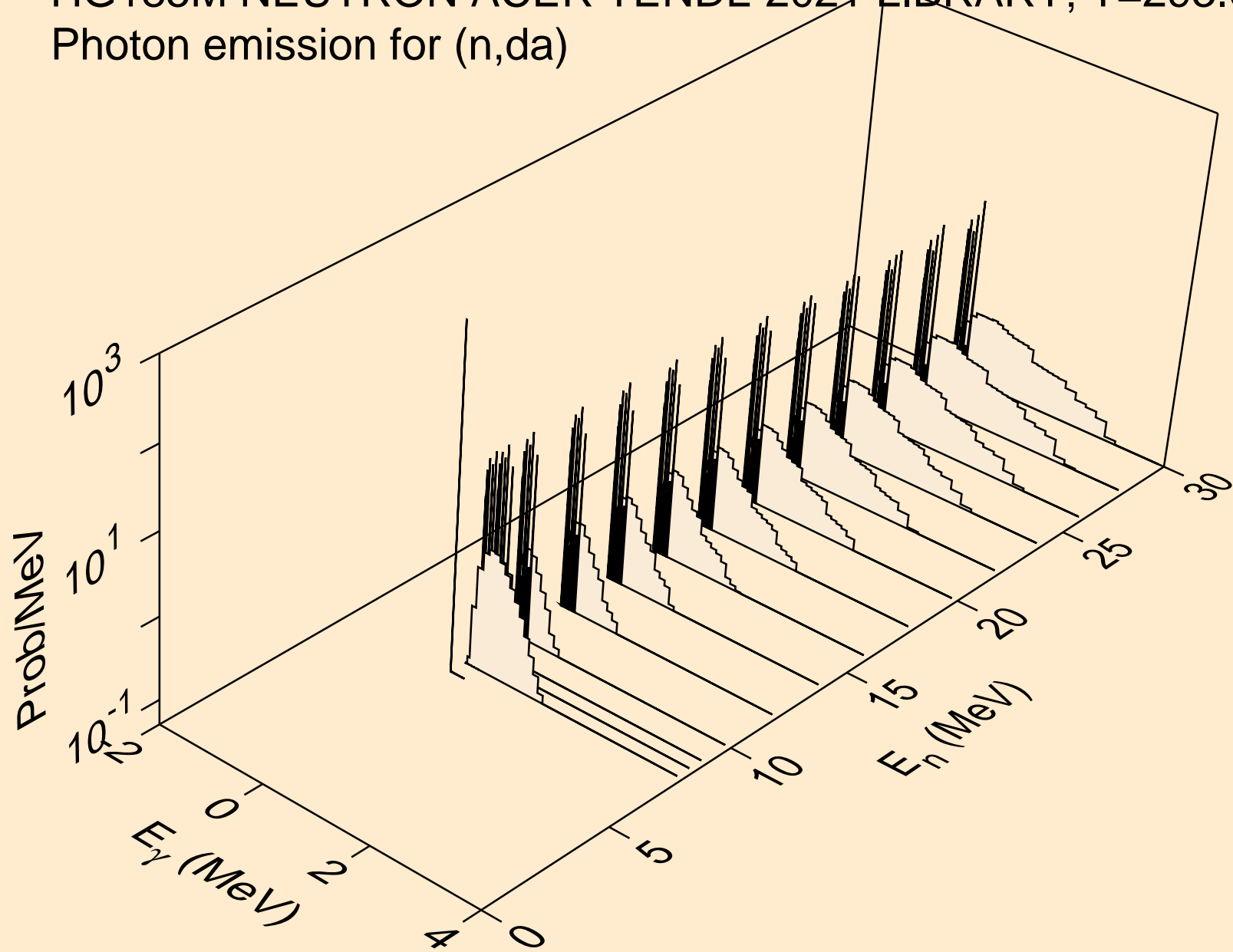
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Photon emission for (n,pd)



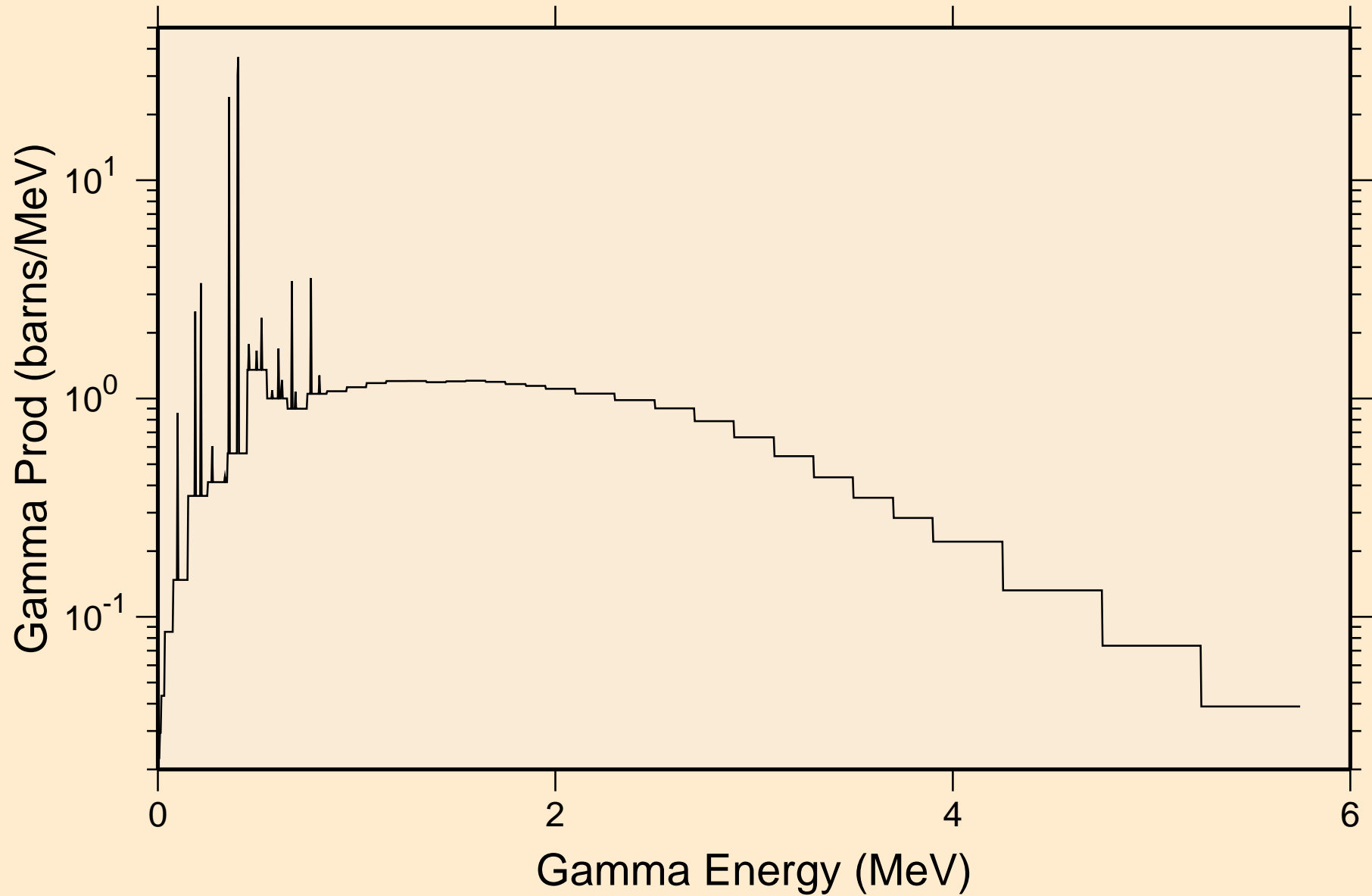
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Photon emission for (n,pt)



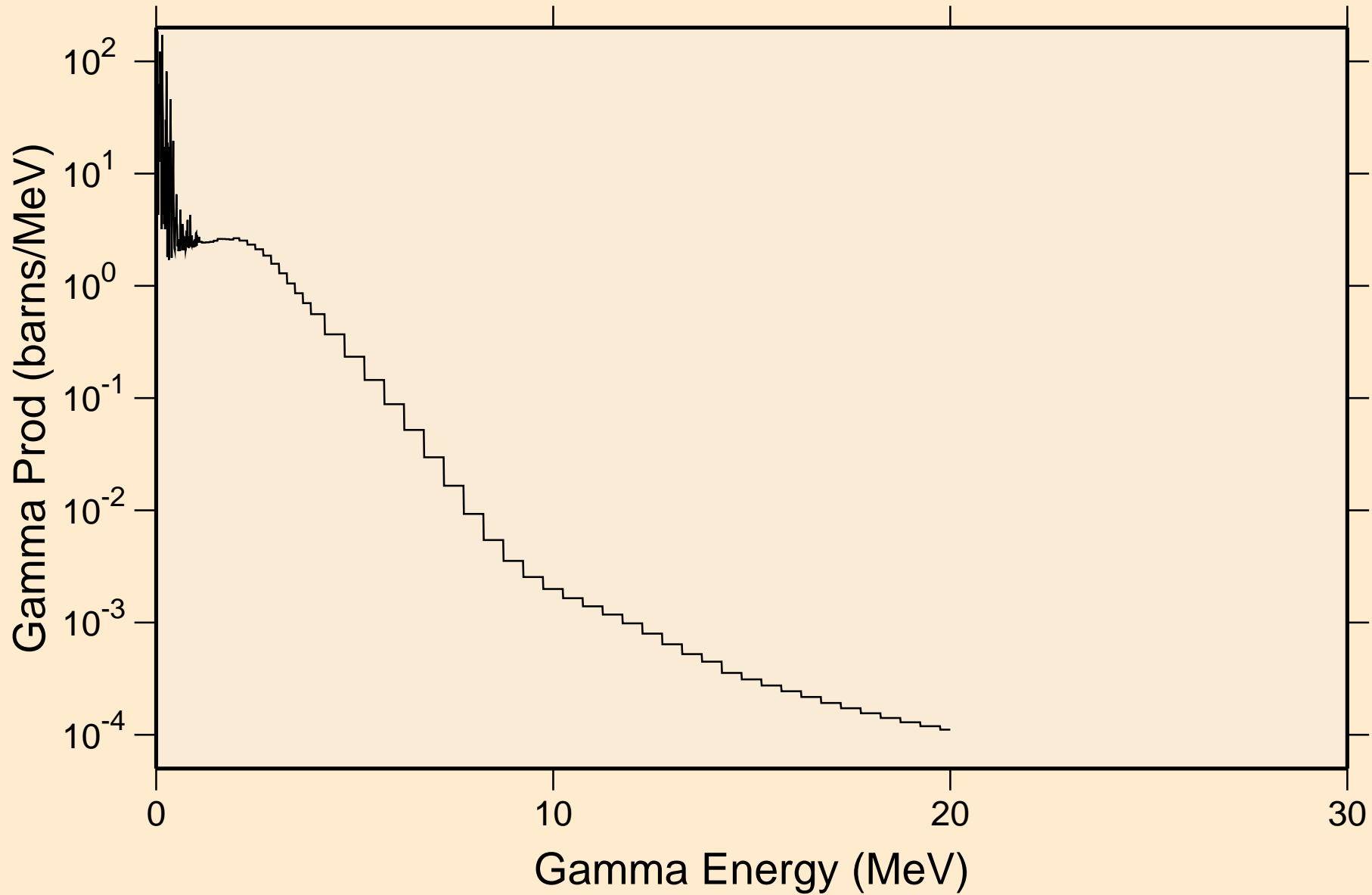
HG185M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,da)



HG185M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
thermal capture photon spectrum

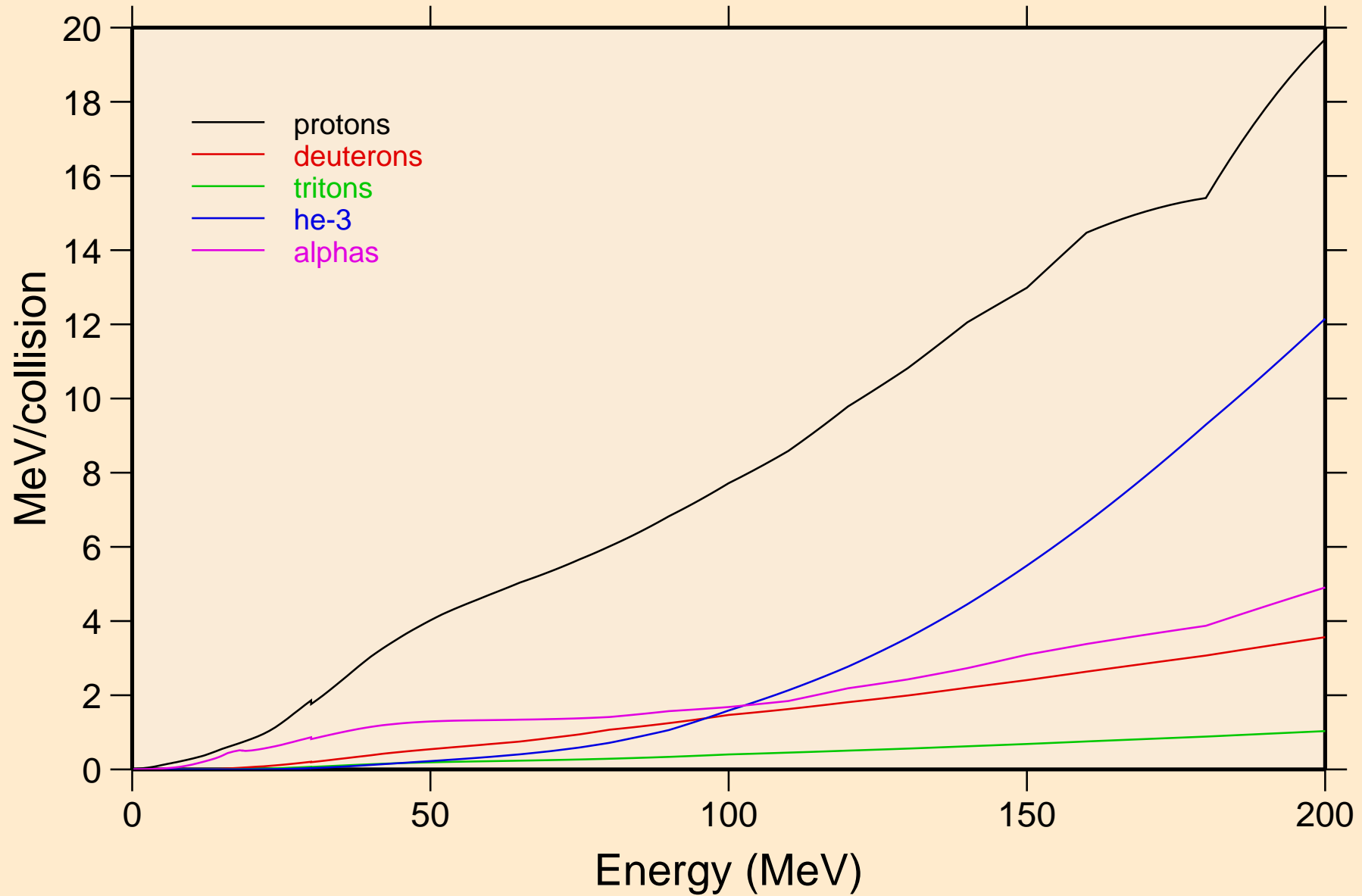


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14 MeV photon spectrum

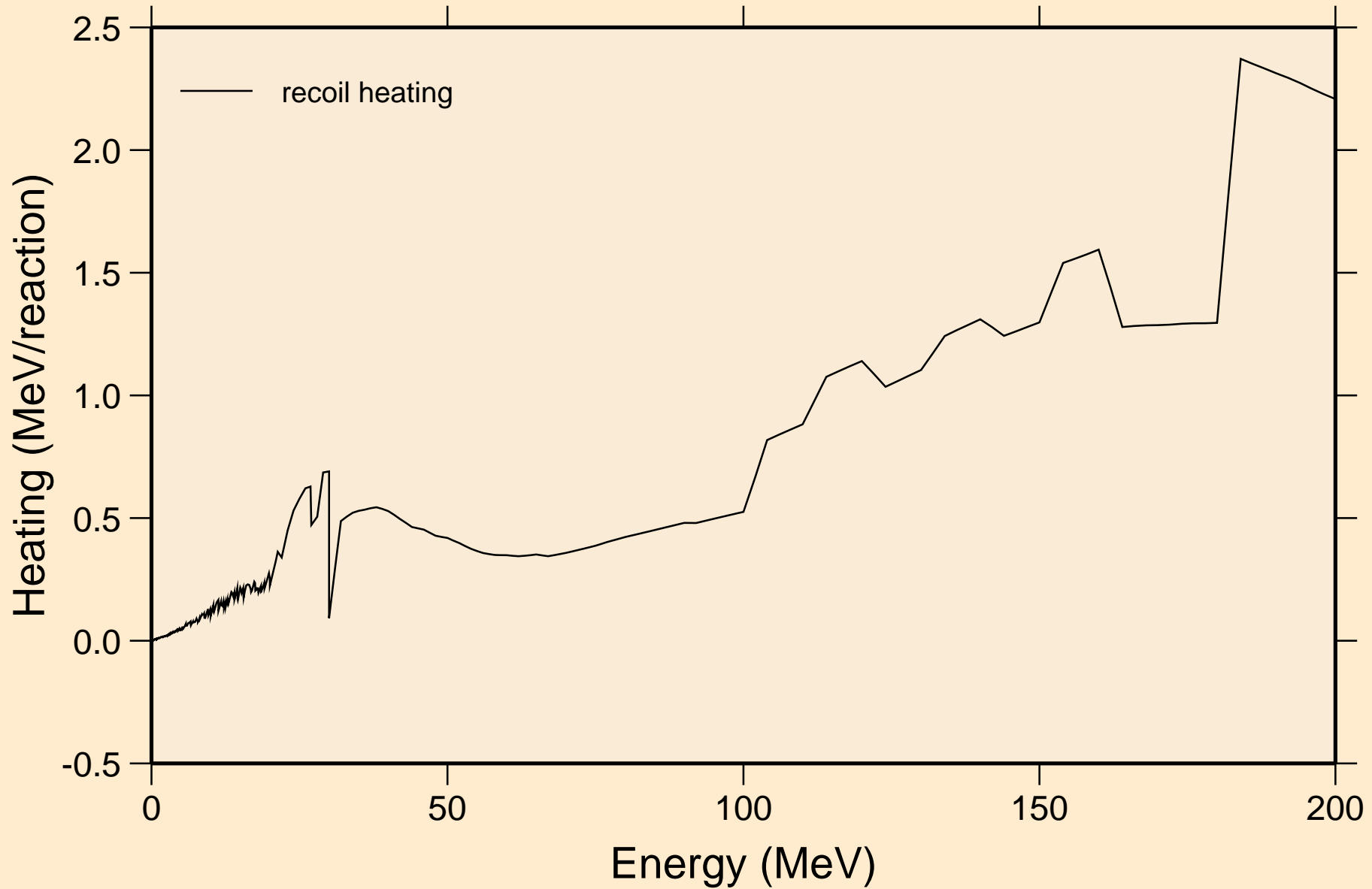


# HG185M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Particle heating contributions



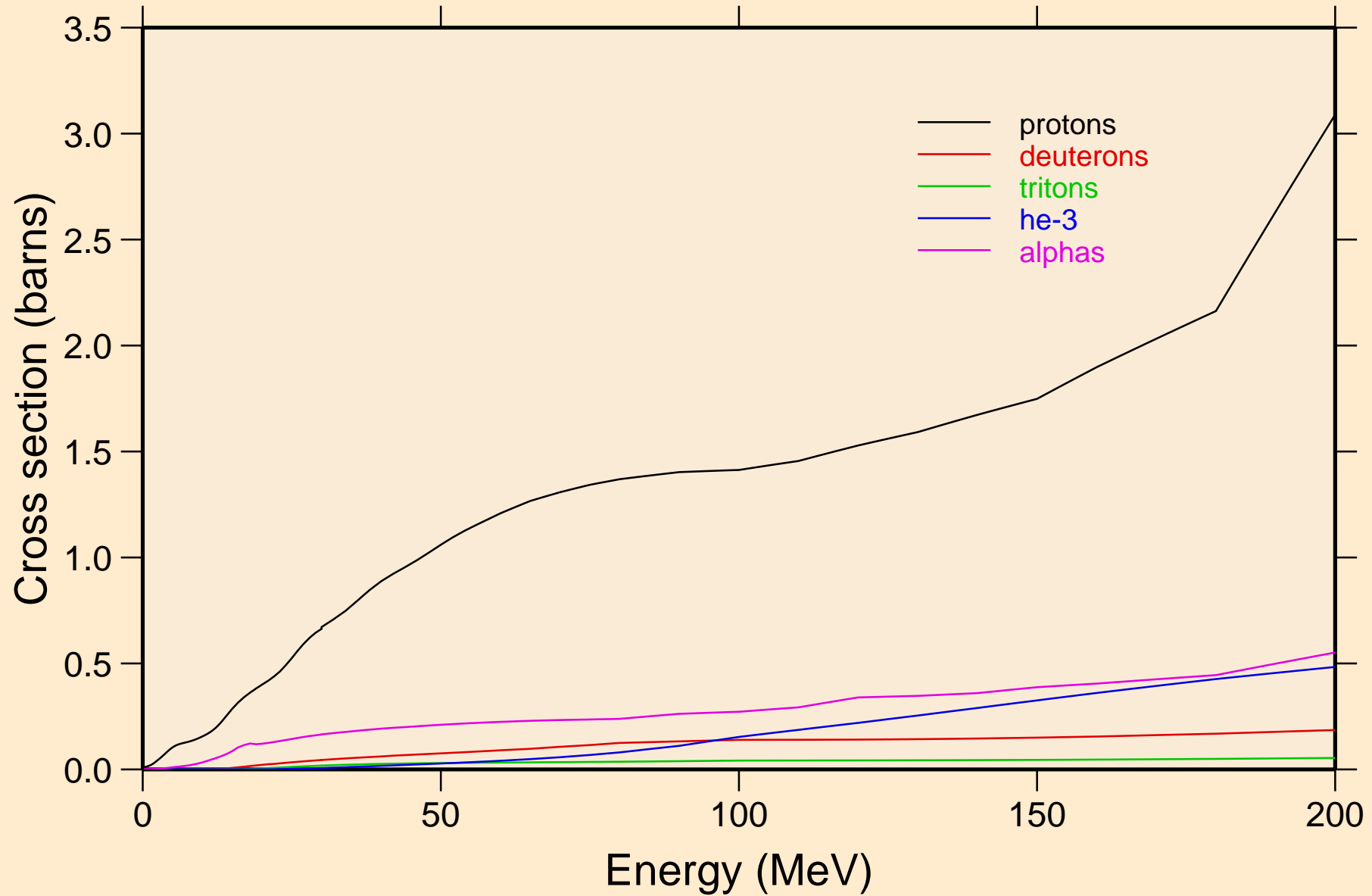
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Recoil Heating



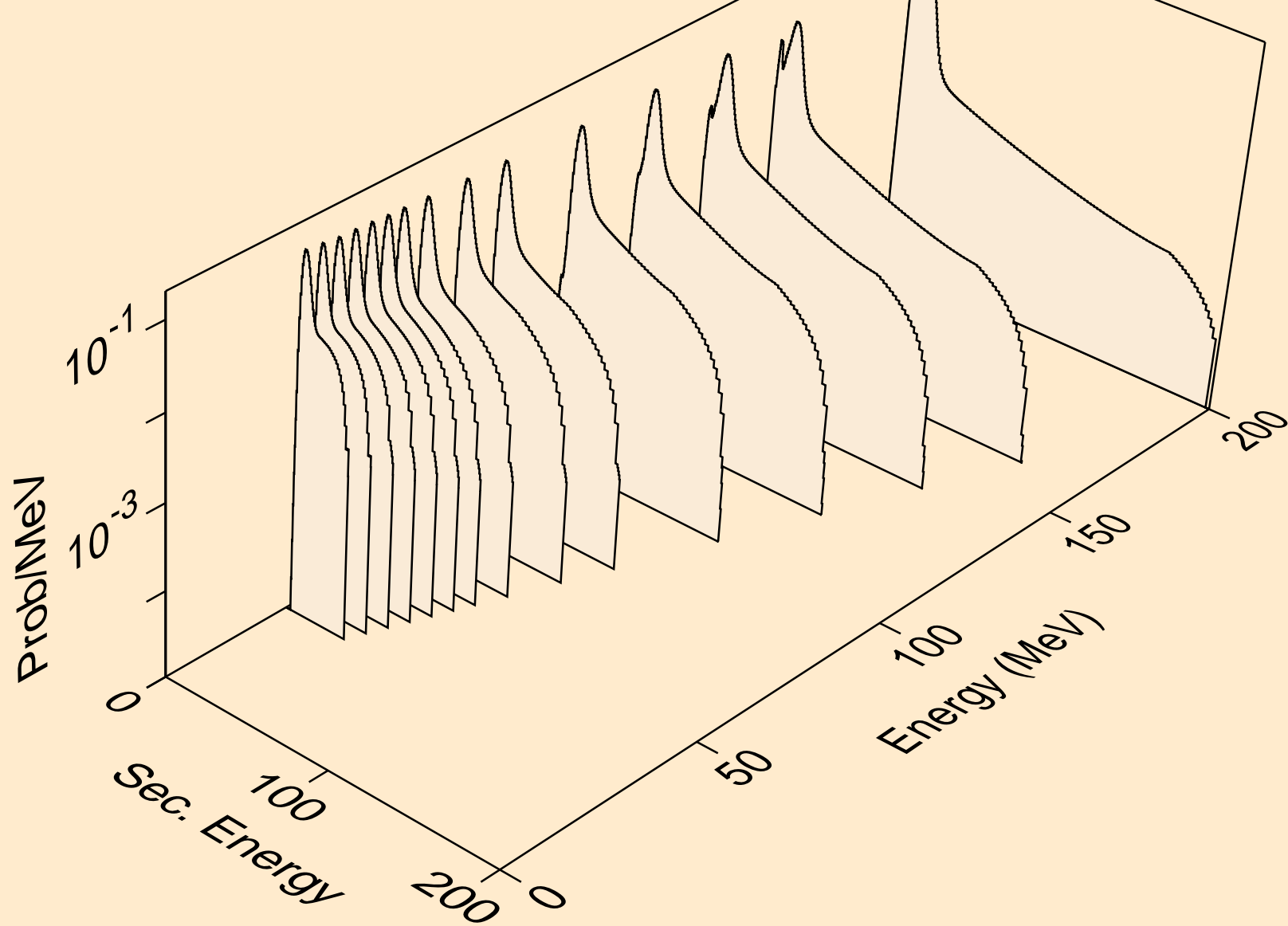


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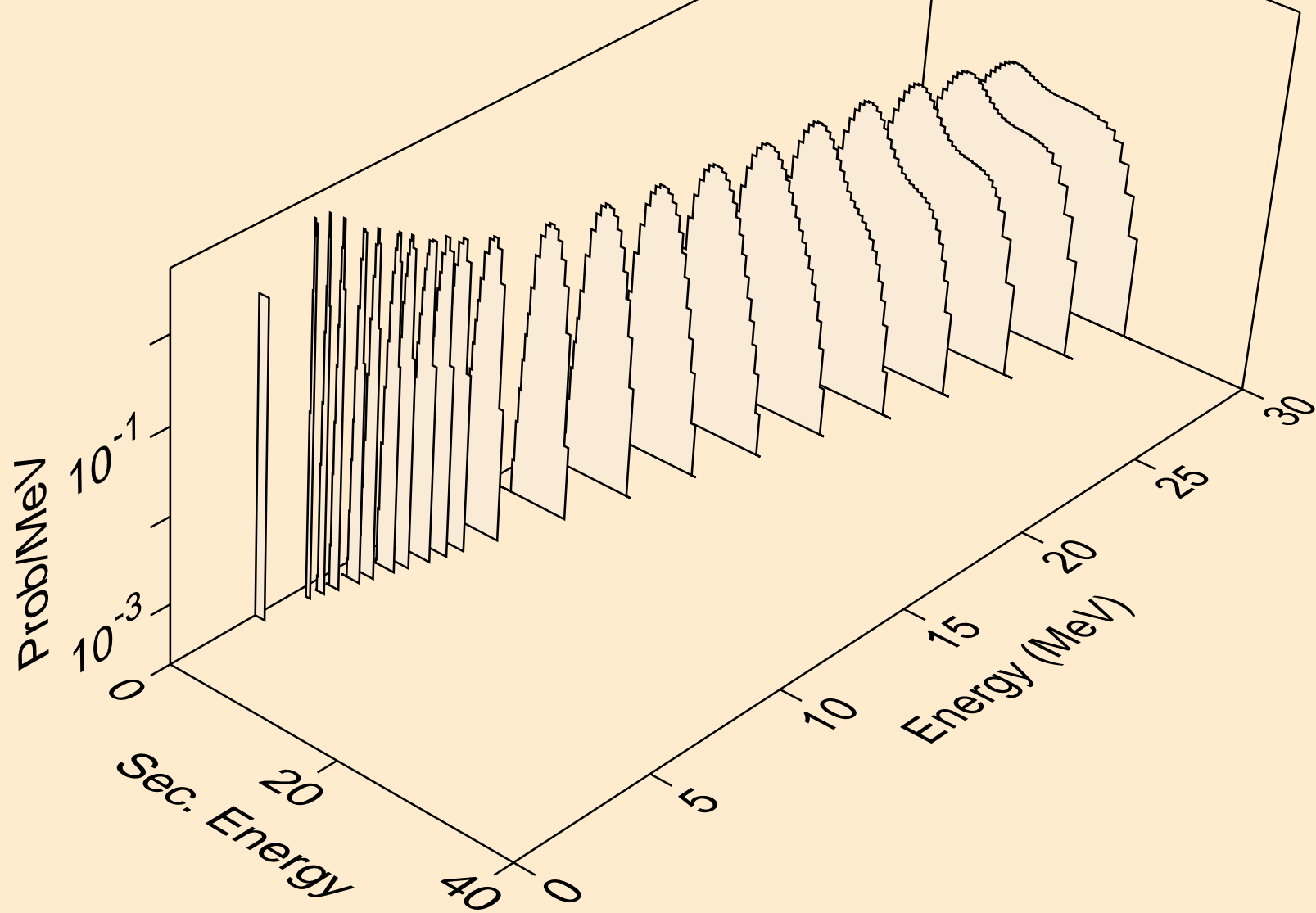
## Particle production cross sections



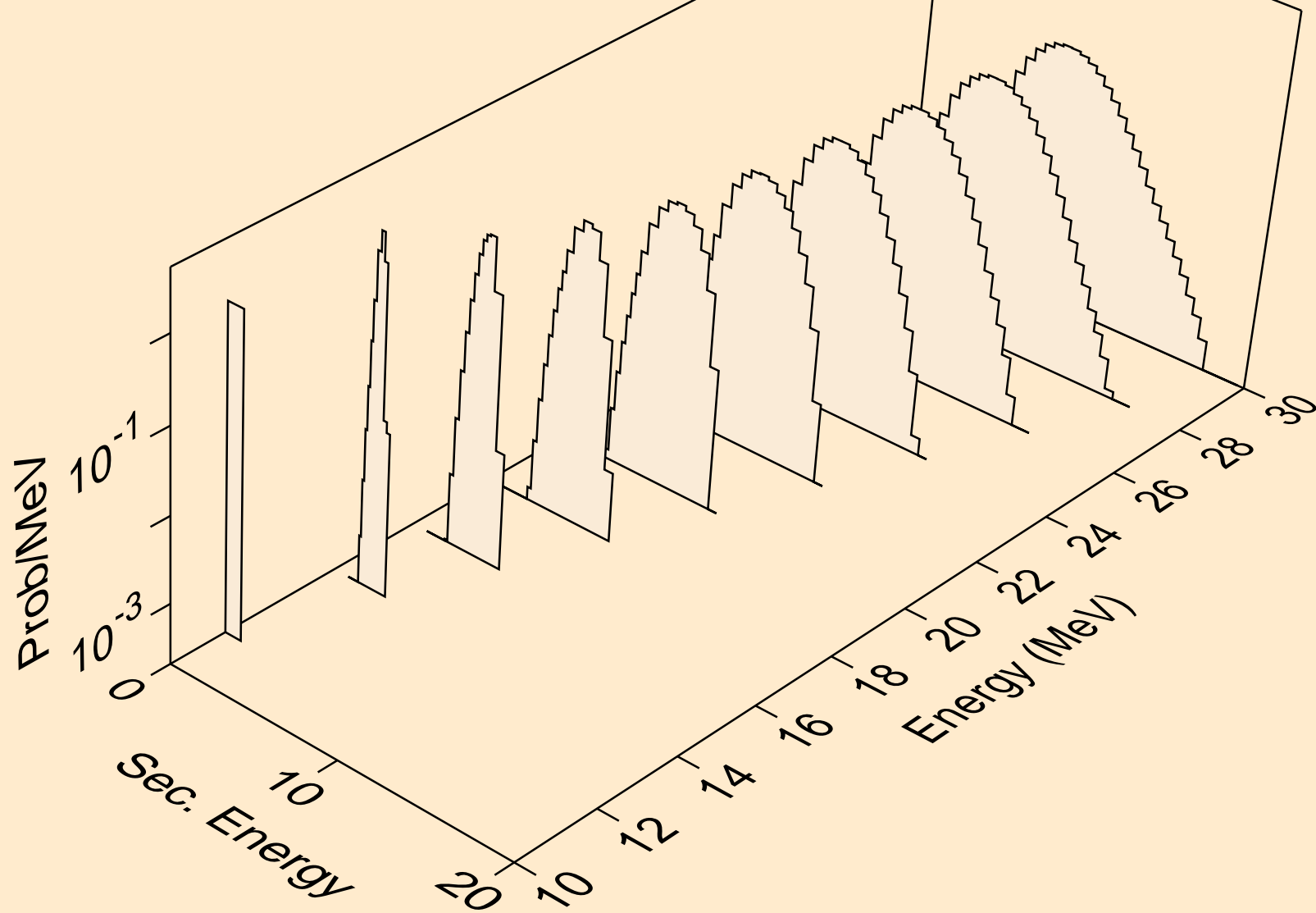
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protons from (n,x)



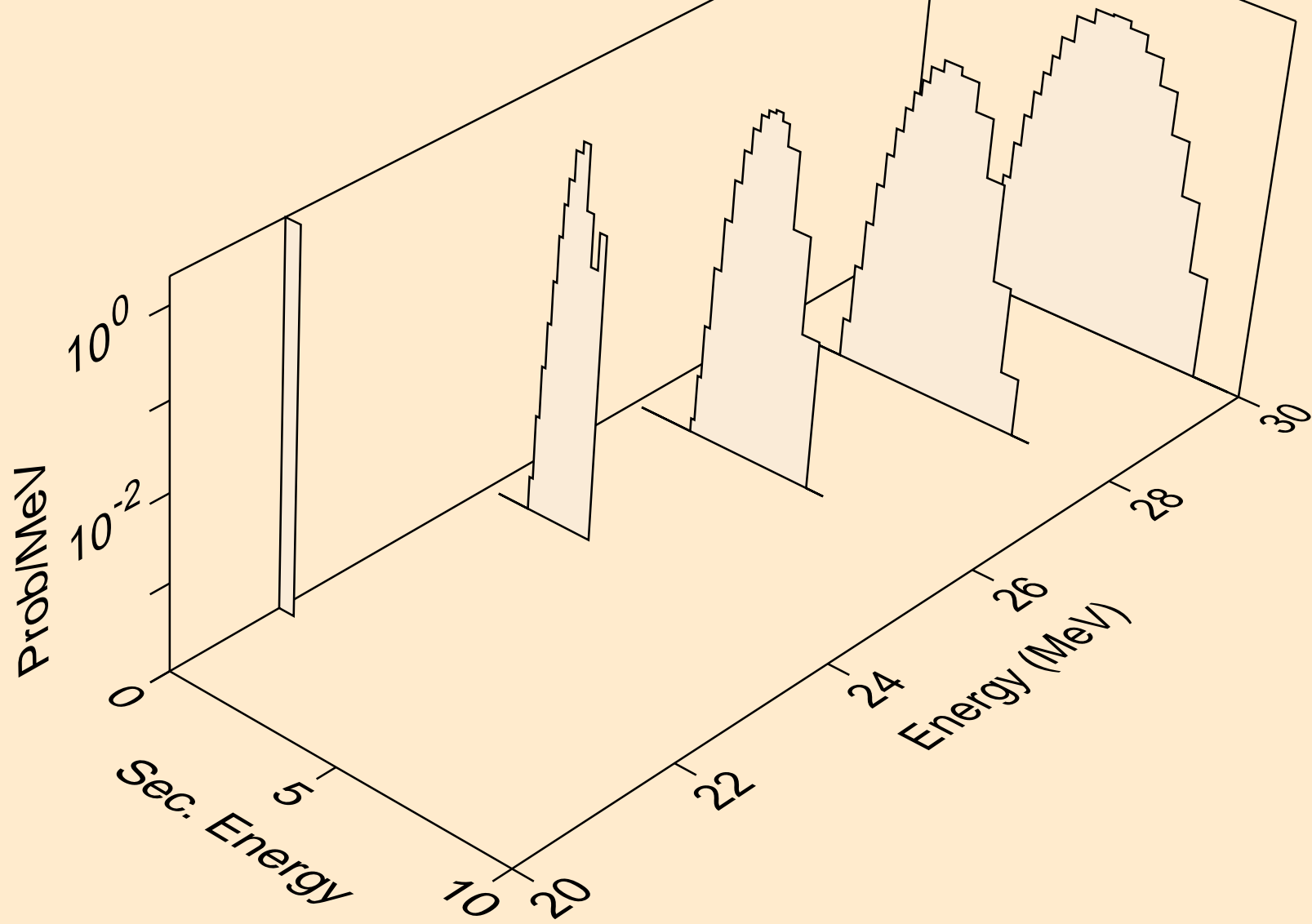
HG185M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,n\*)p



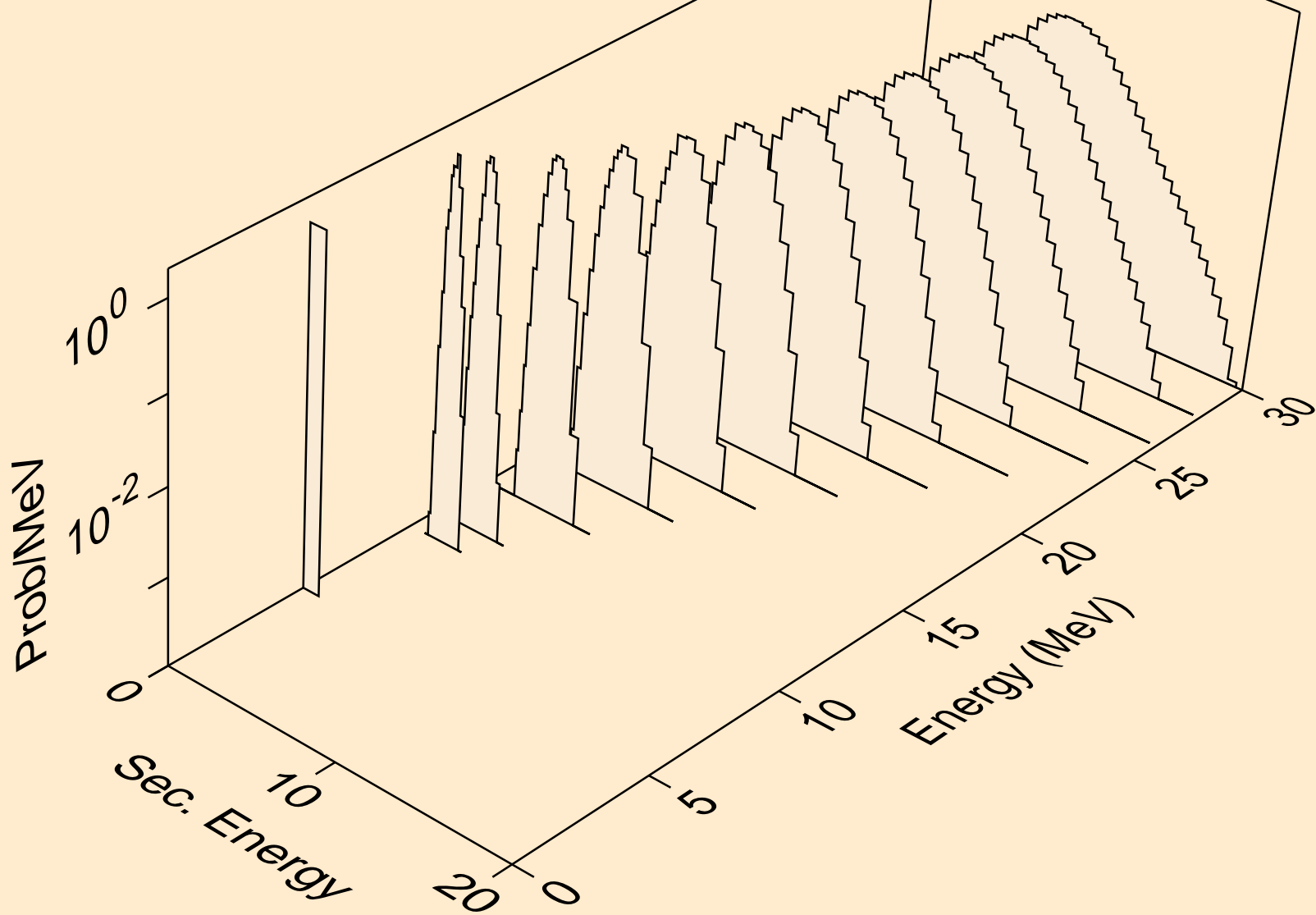
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protons from (n,2np)



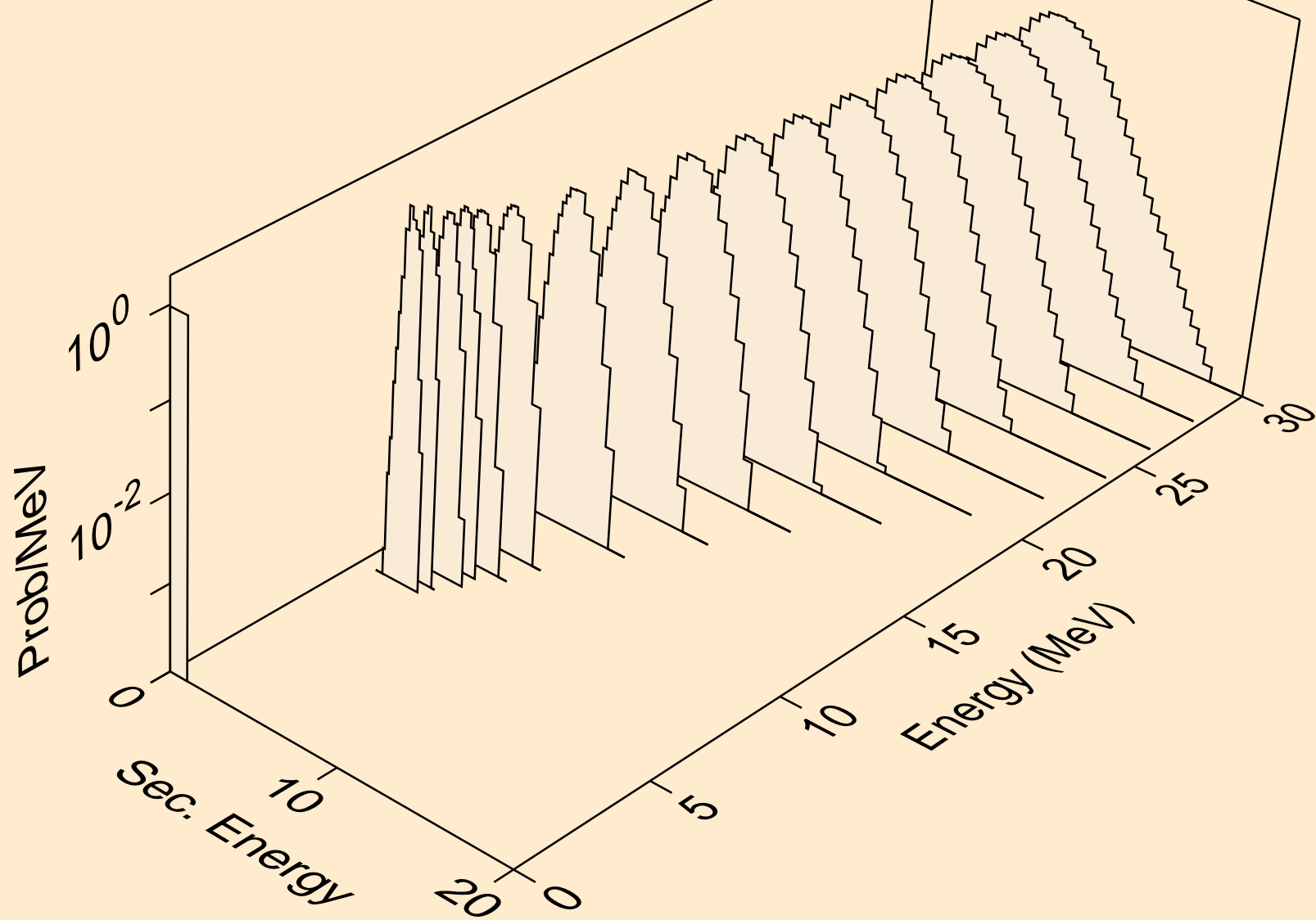
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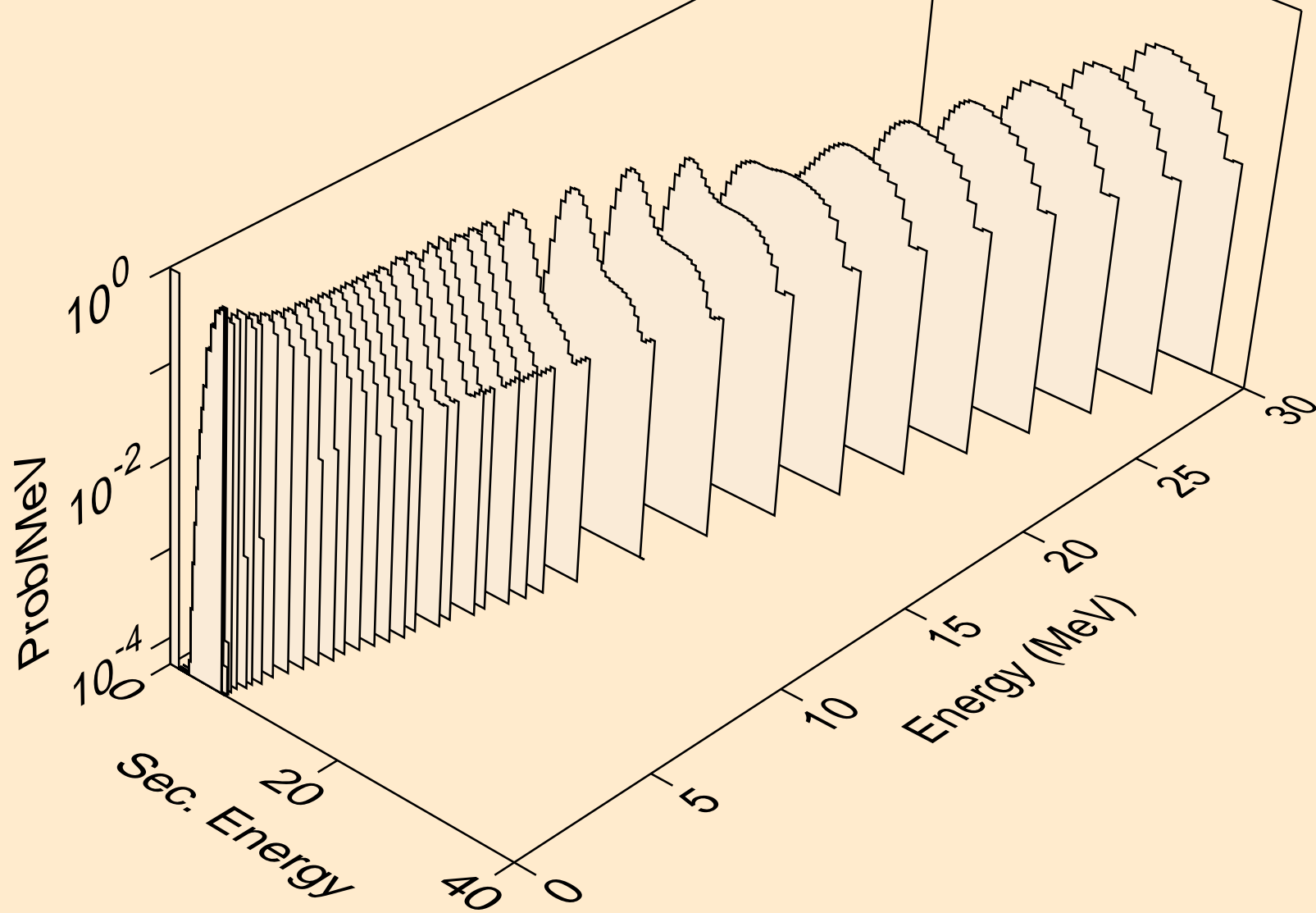
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HG185M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,npa)

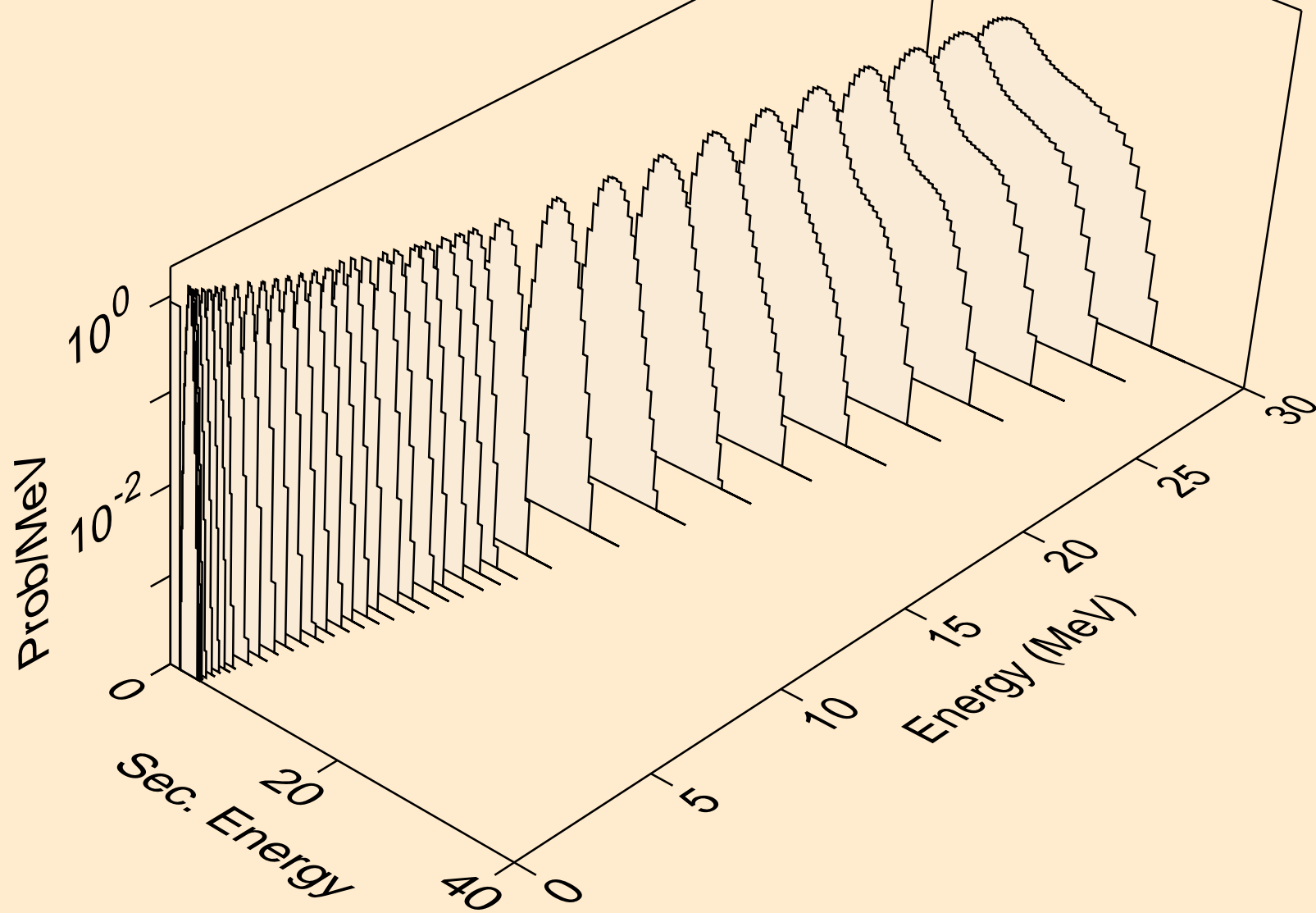


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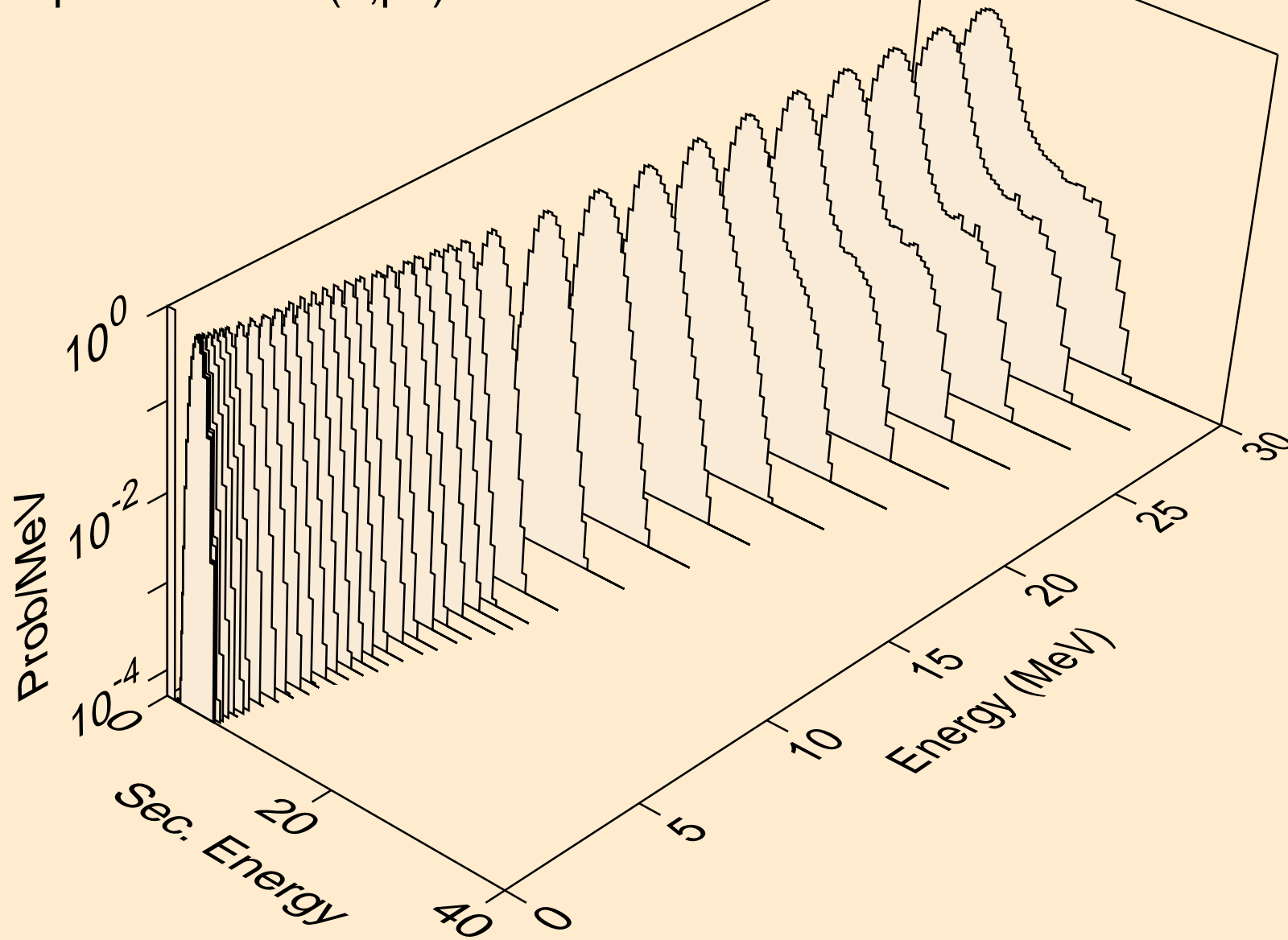




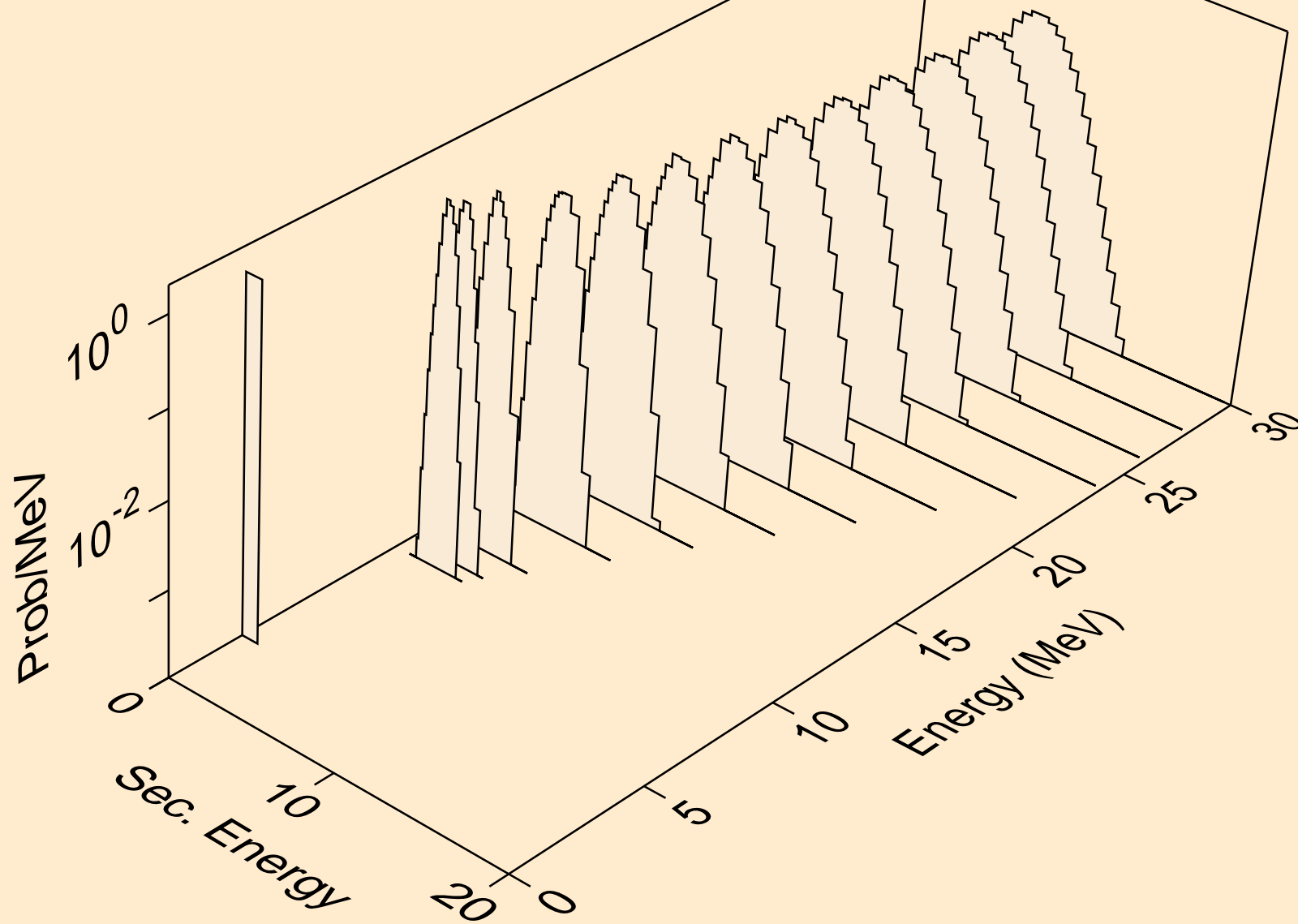
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protons from (n,2p)



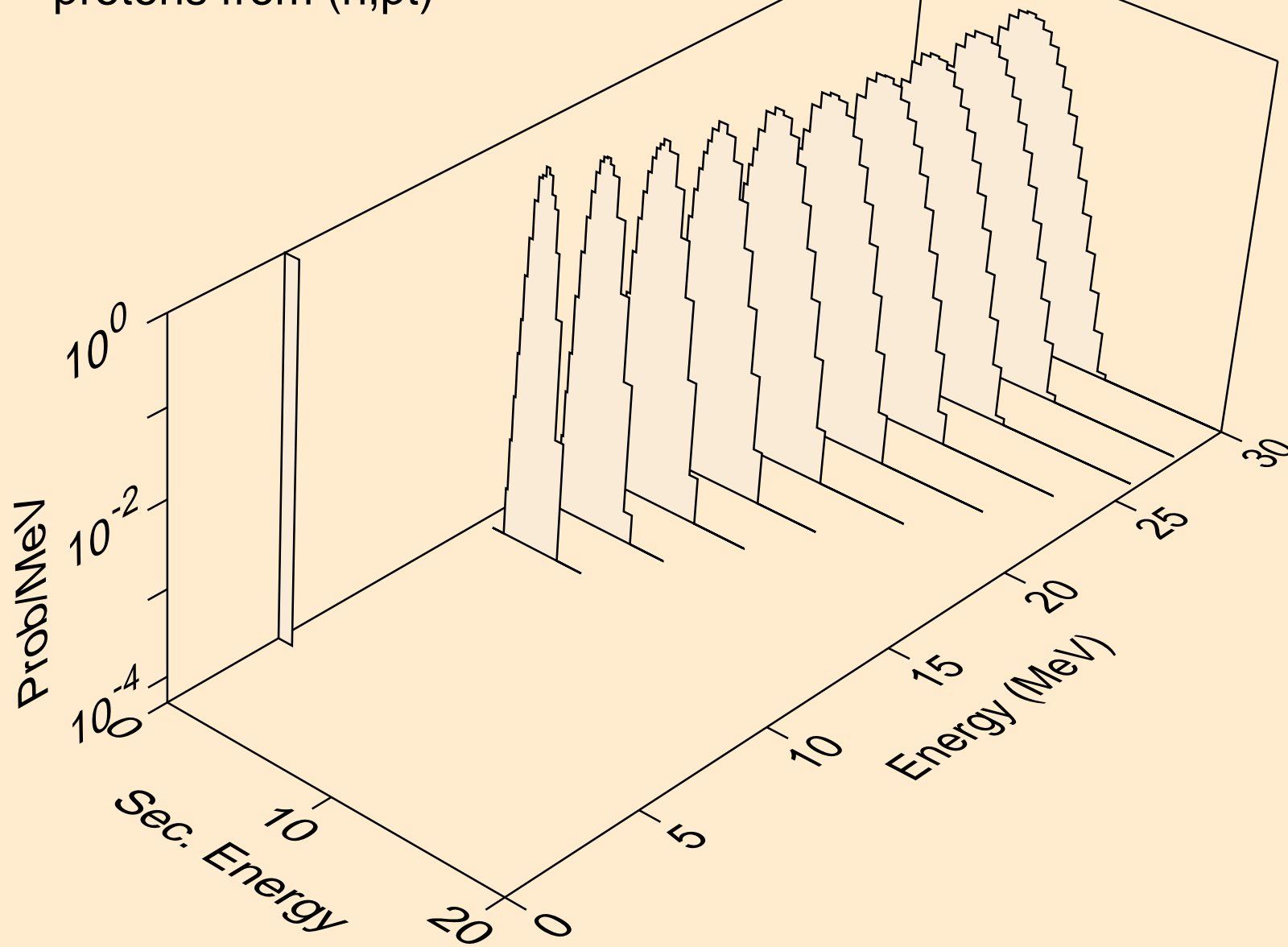
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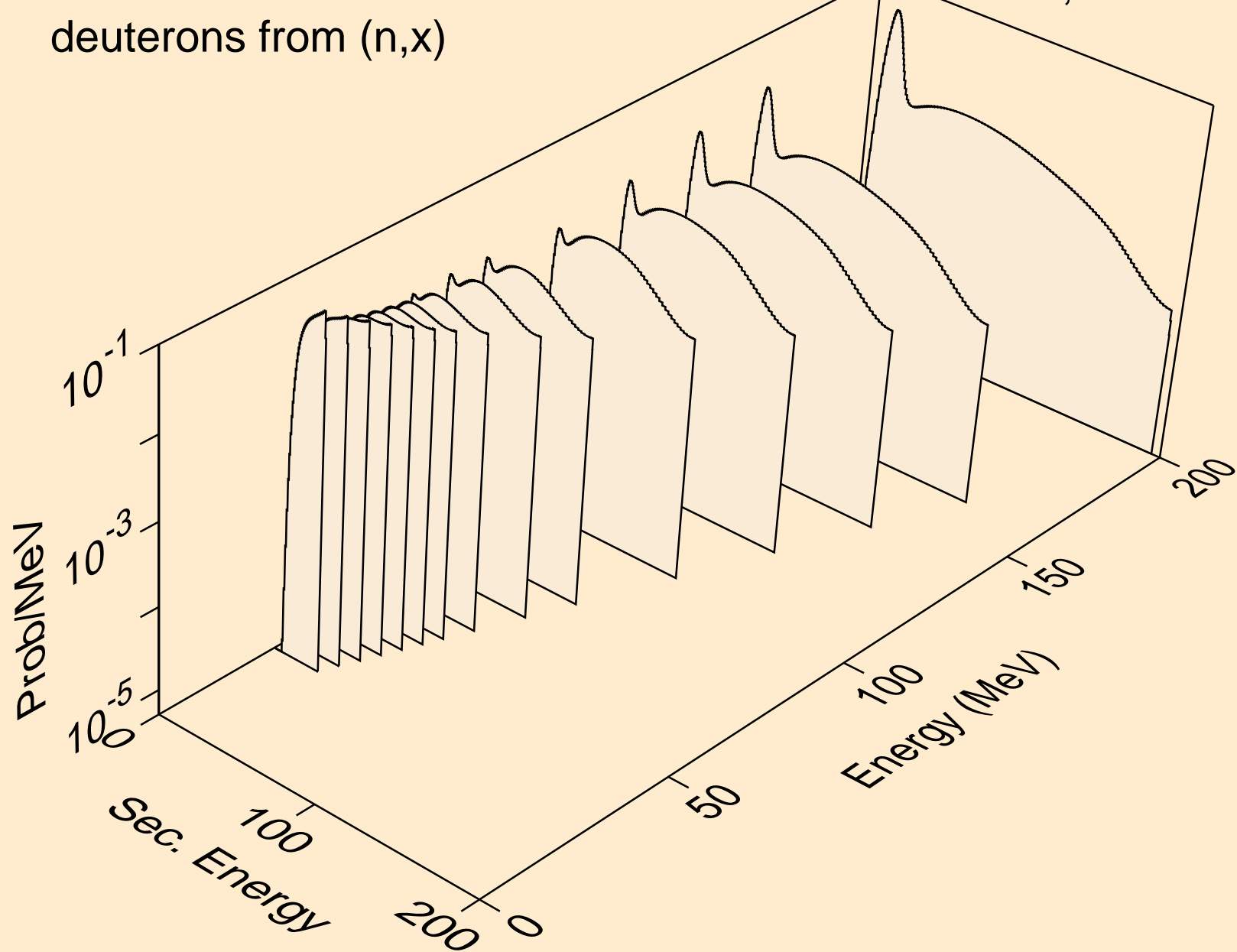
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protons from (n,pd)



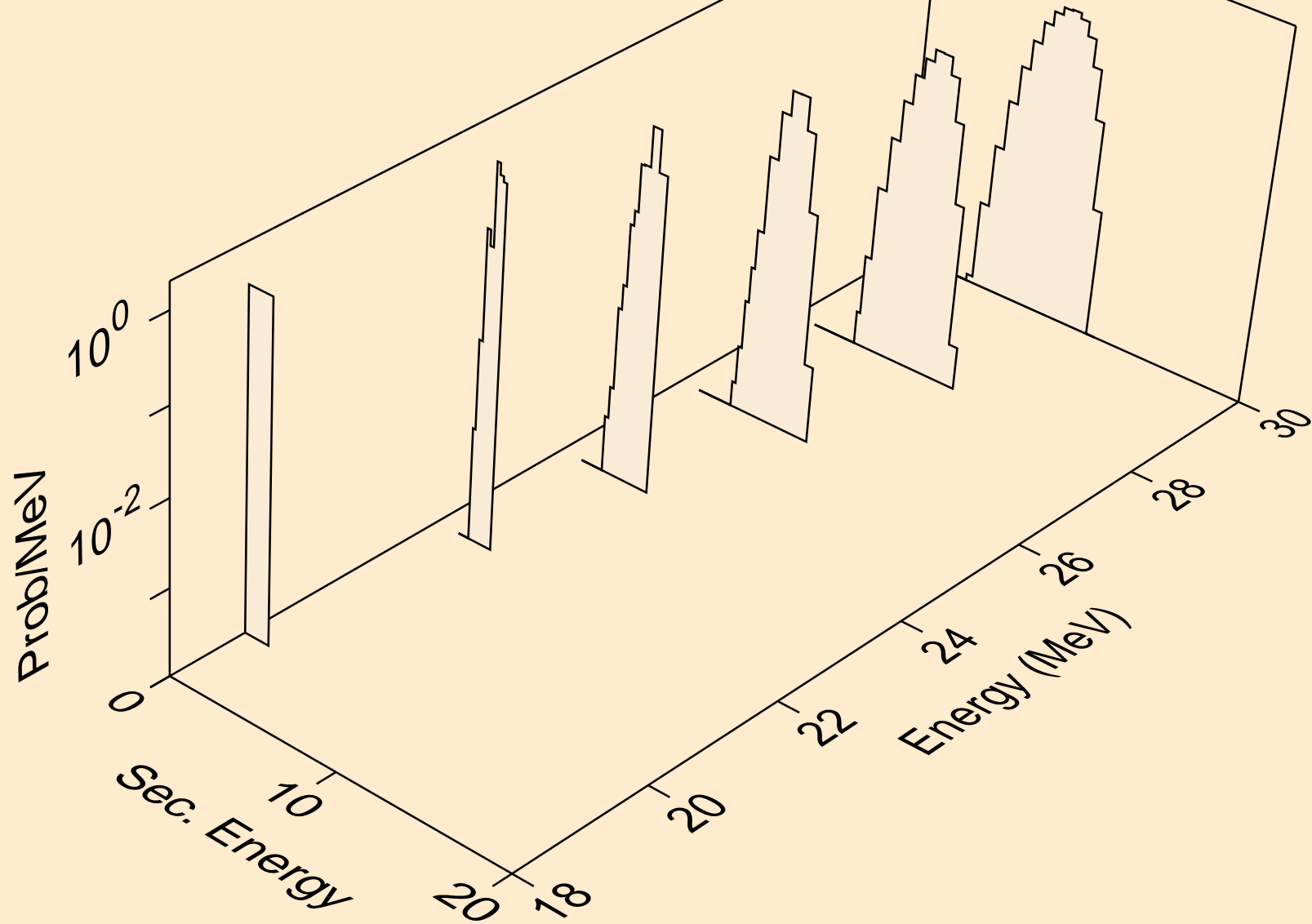
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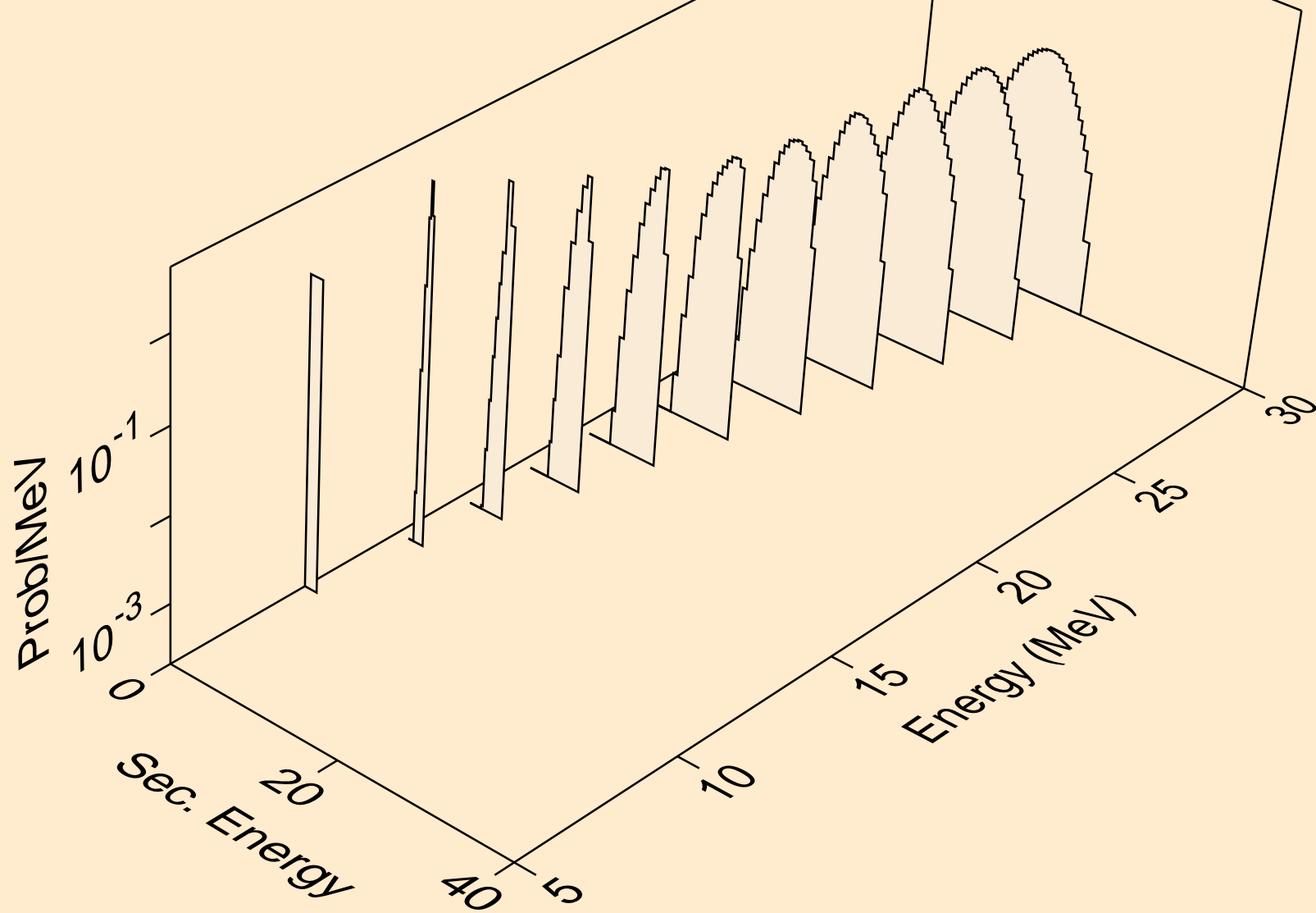
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deuterons from (n,x)



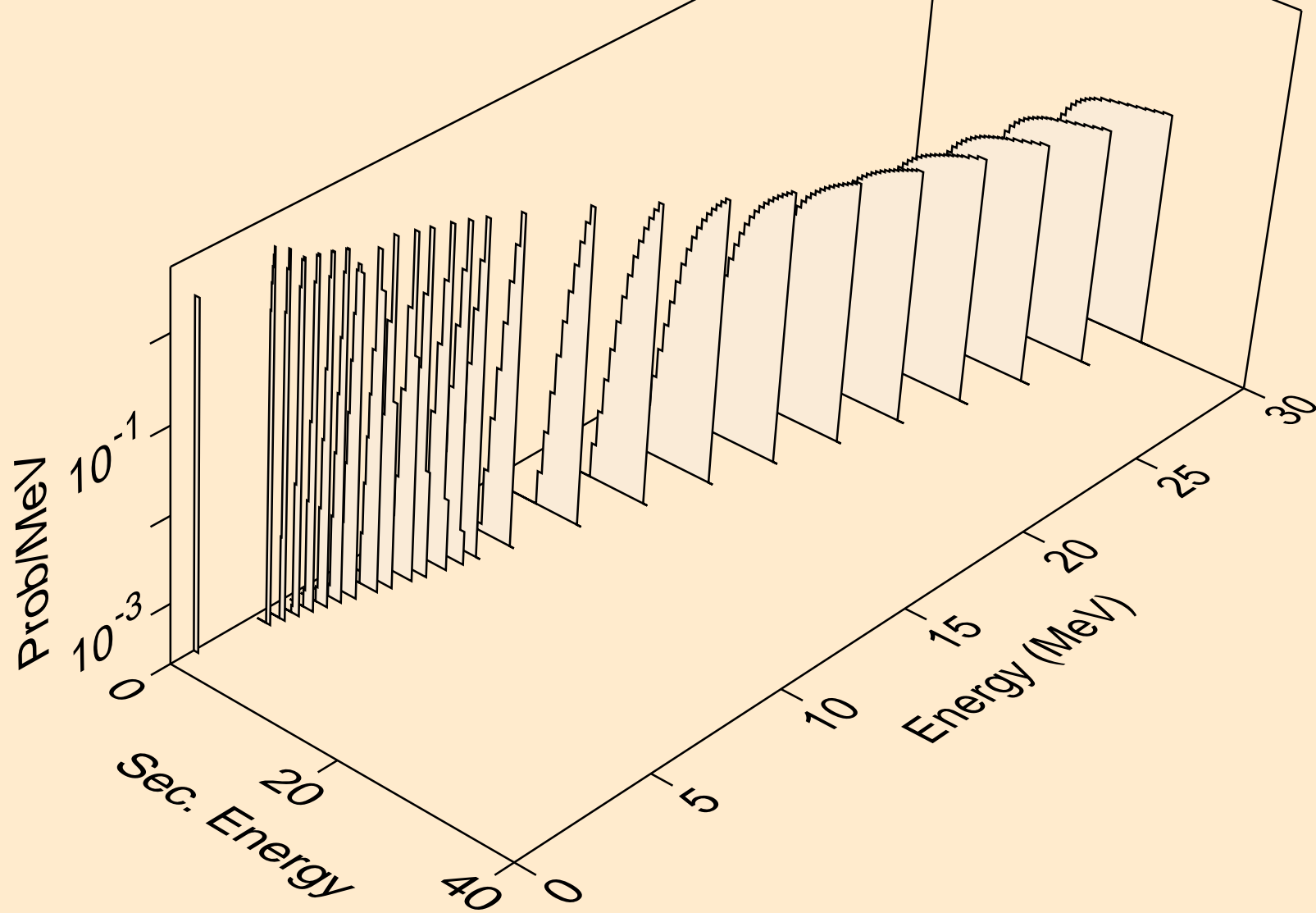
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HG185M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,n\*)d

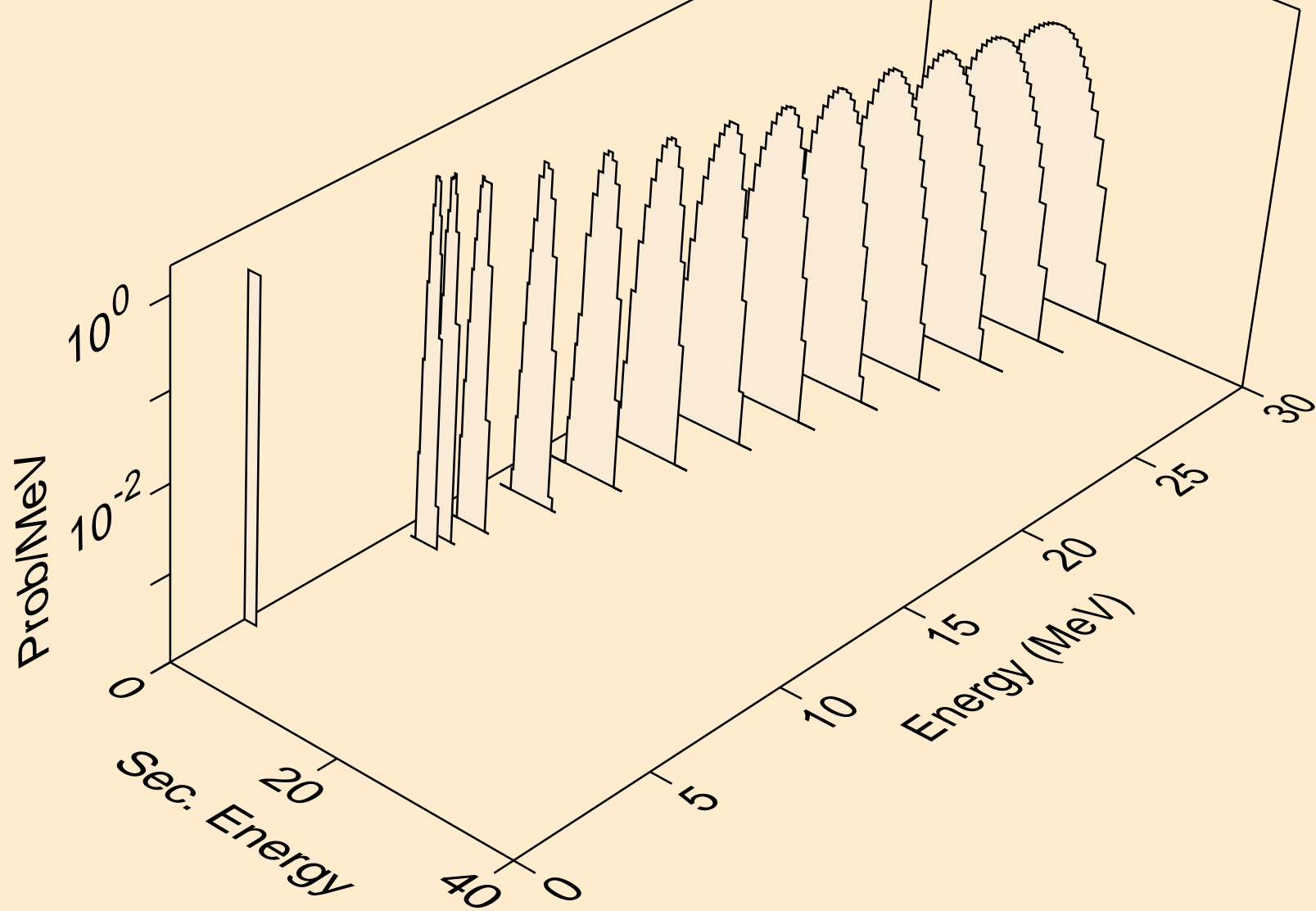


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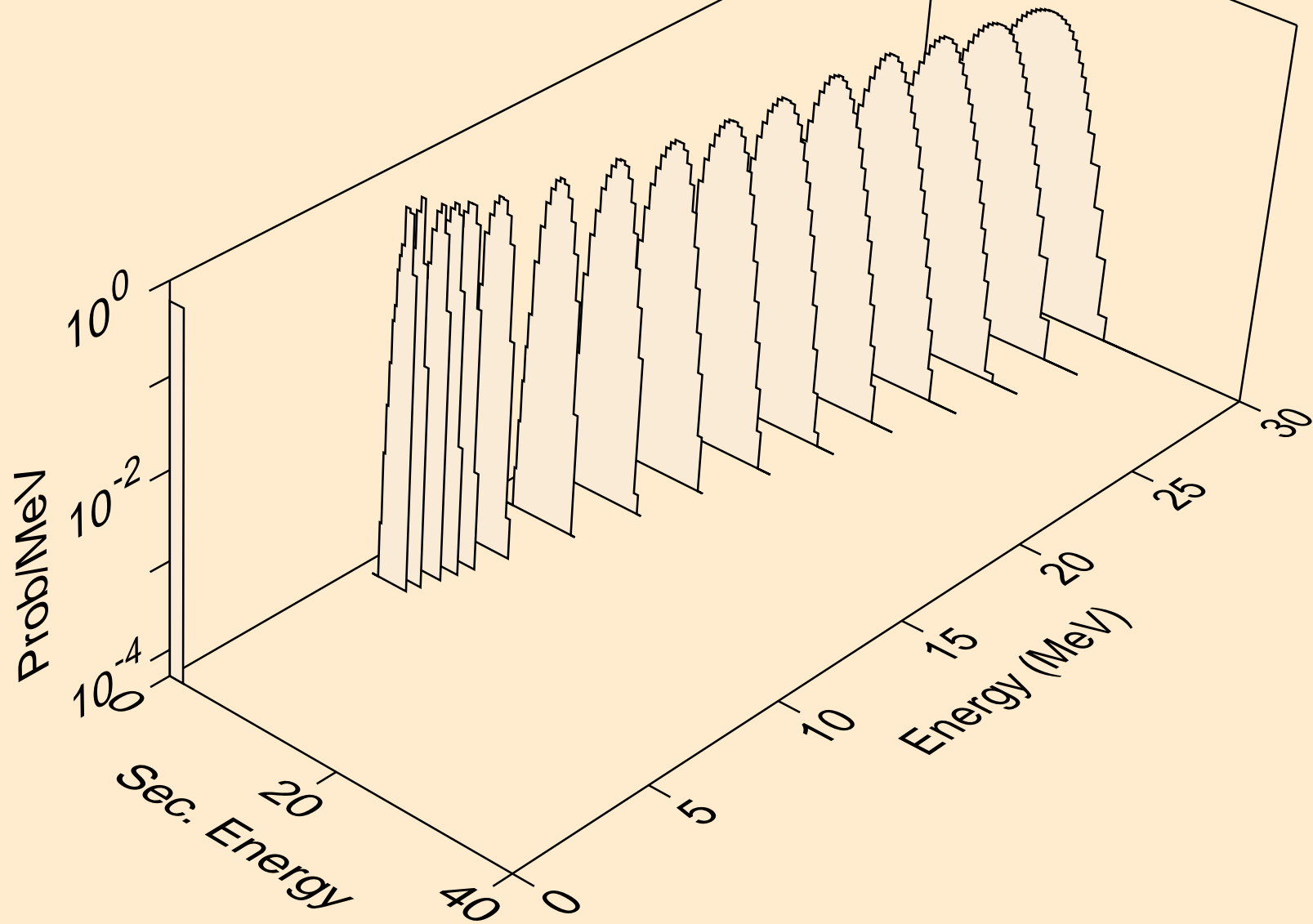




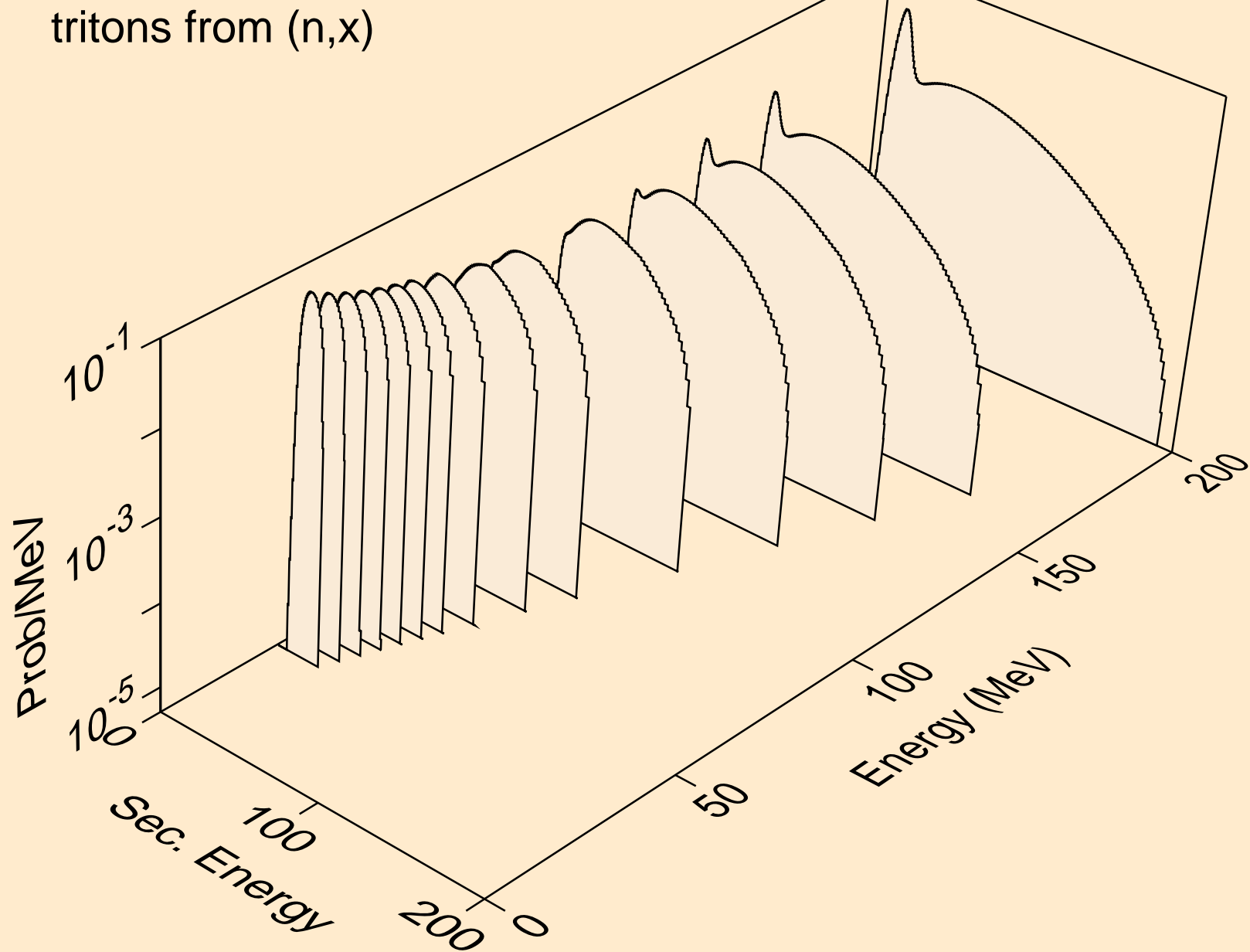
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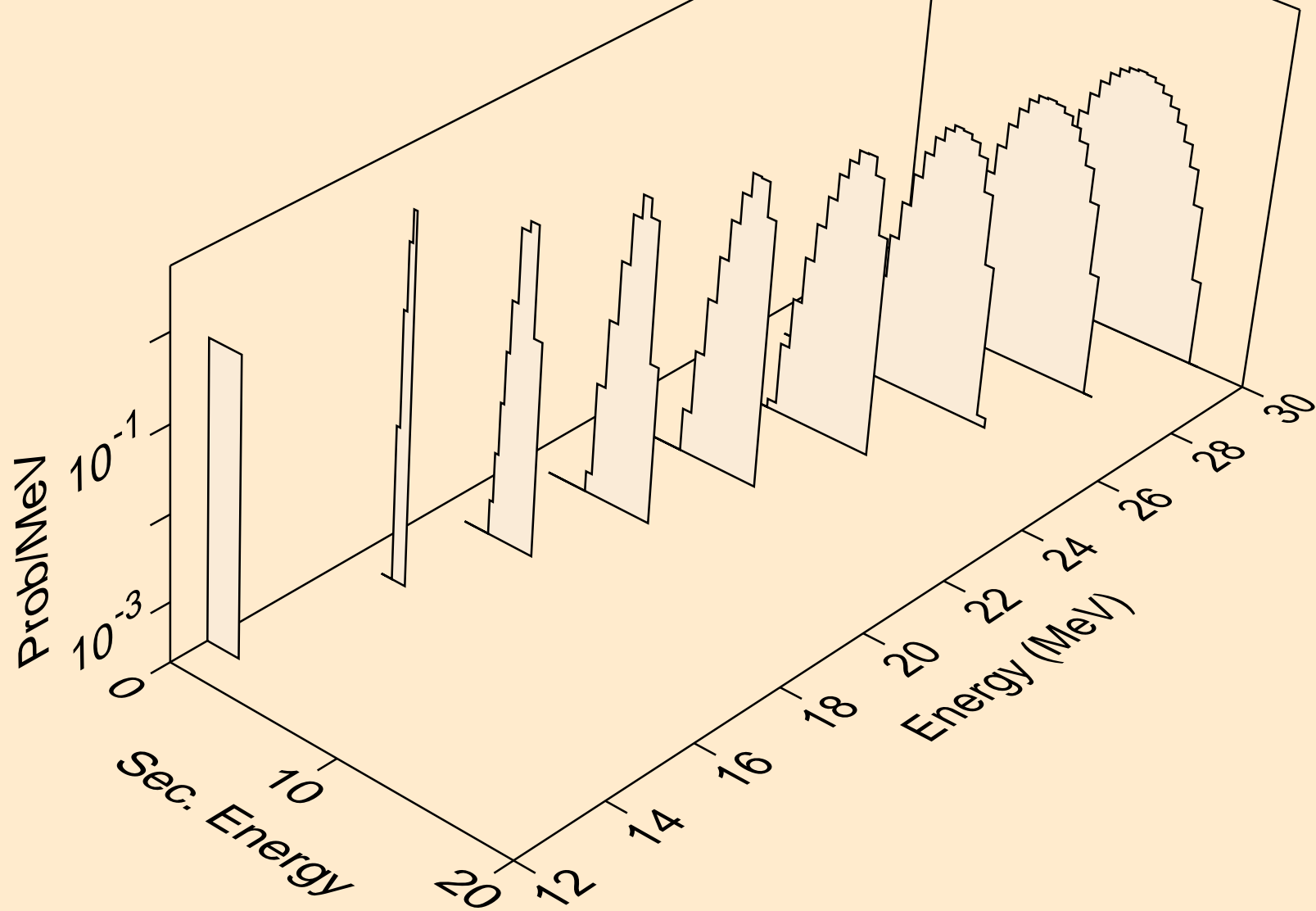
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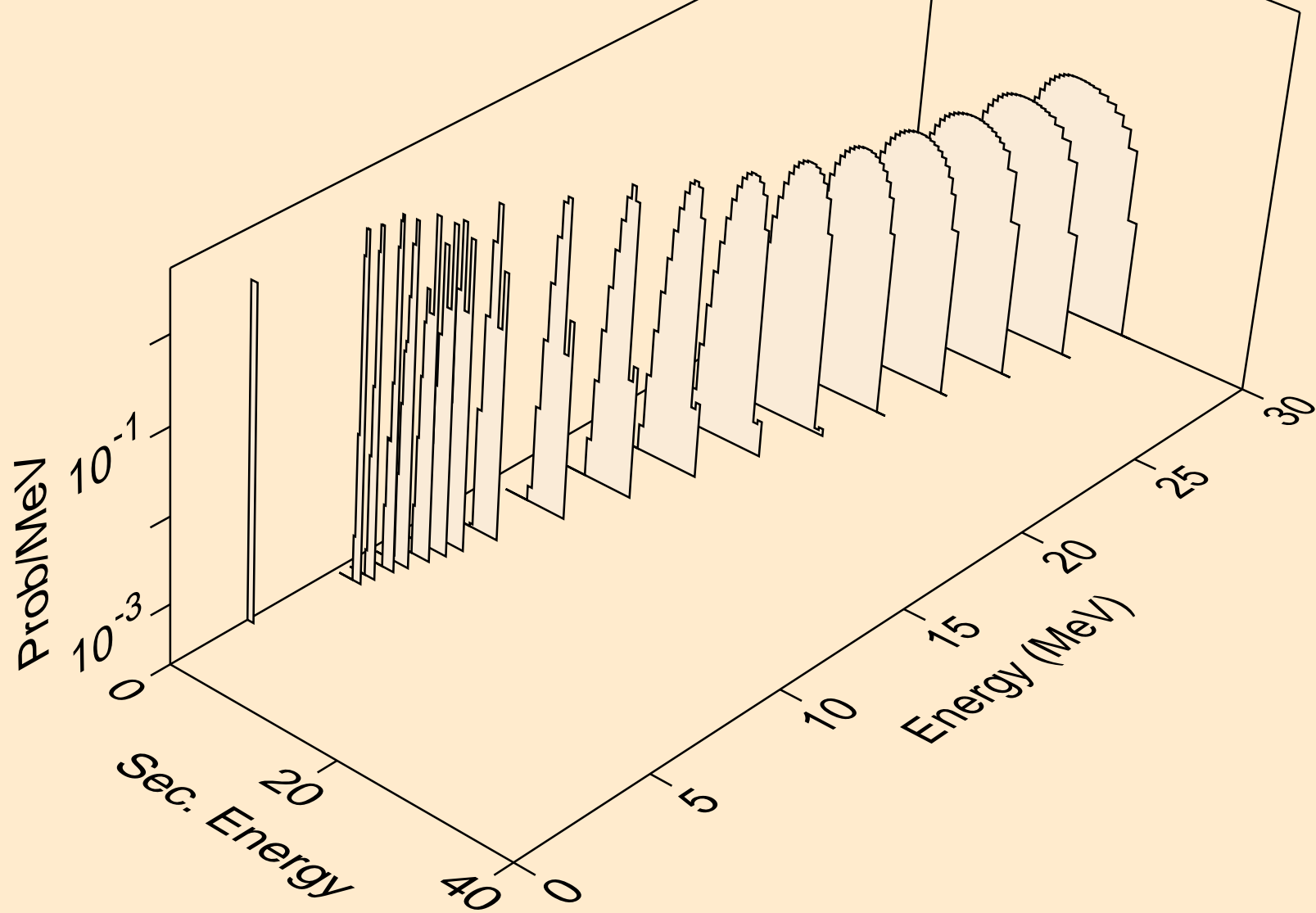
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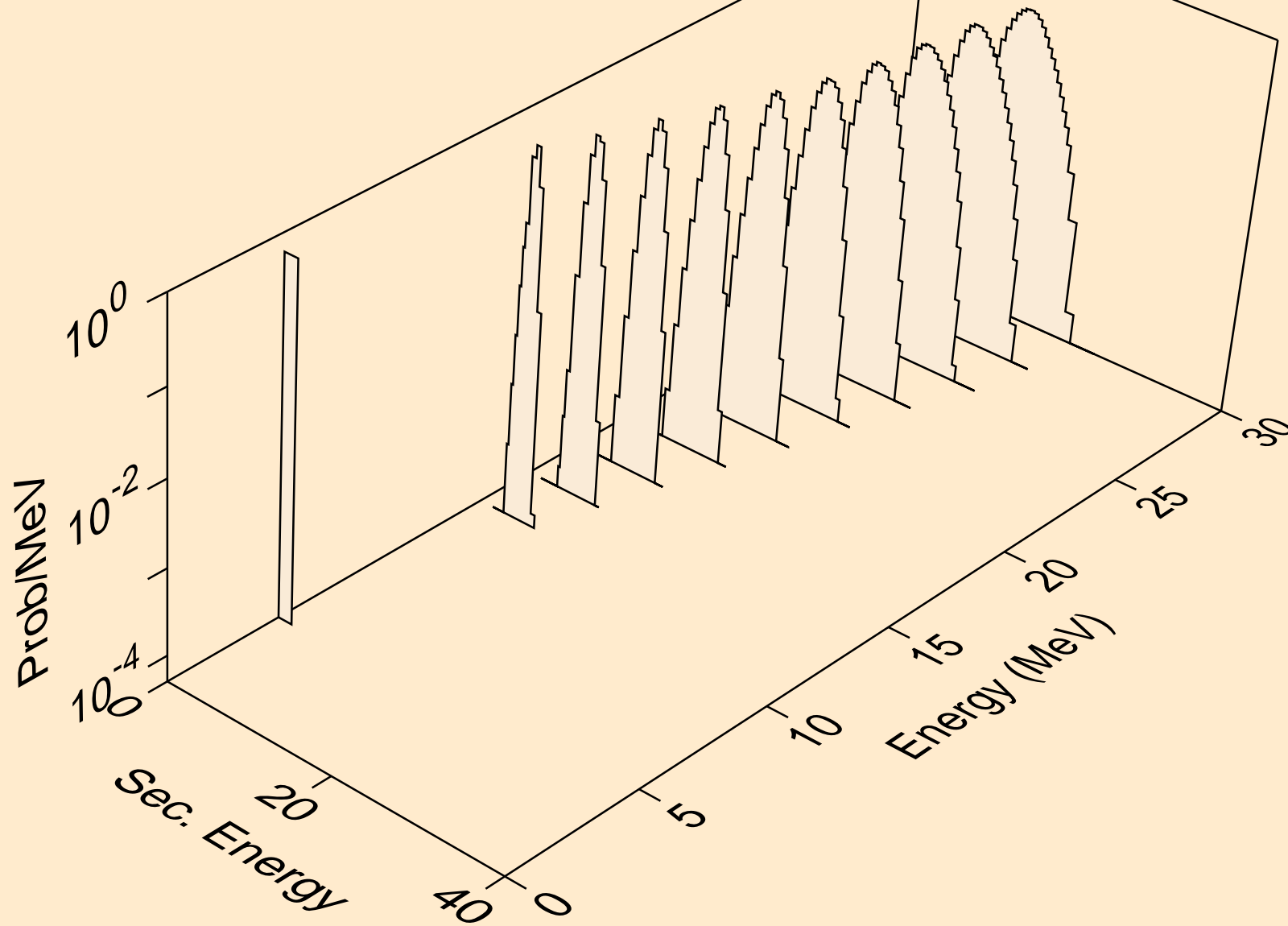
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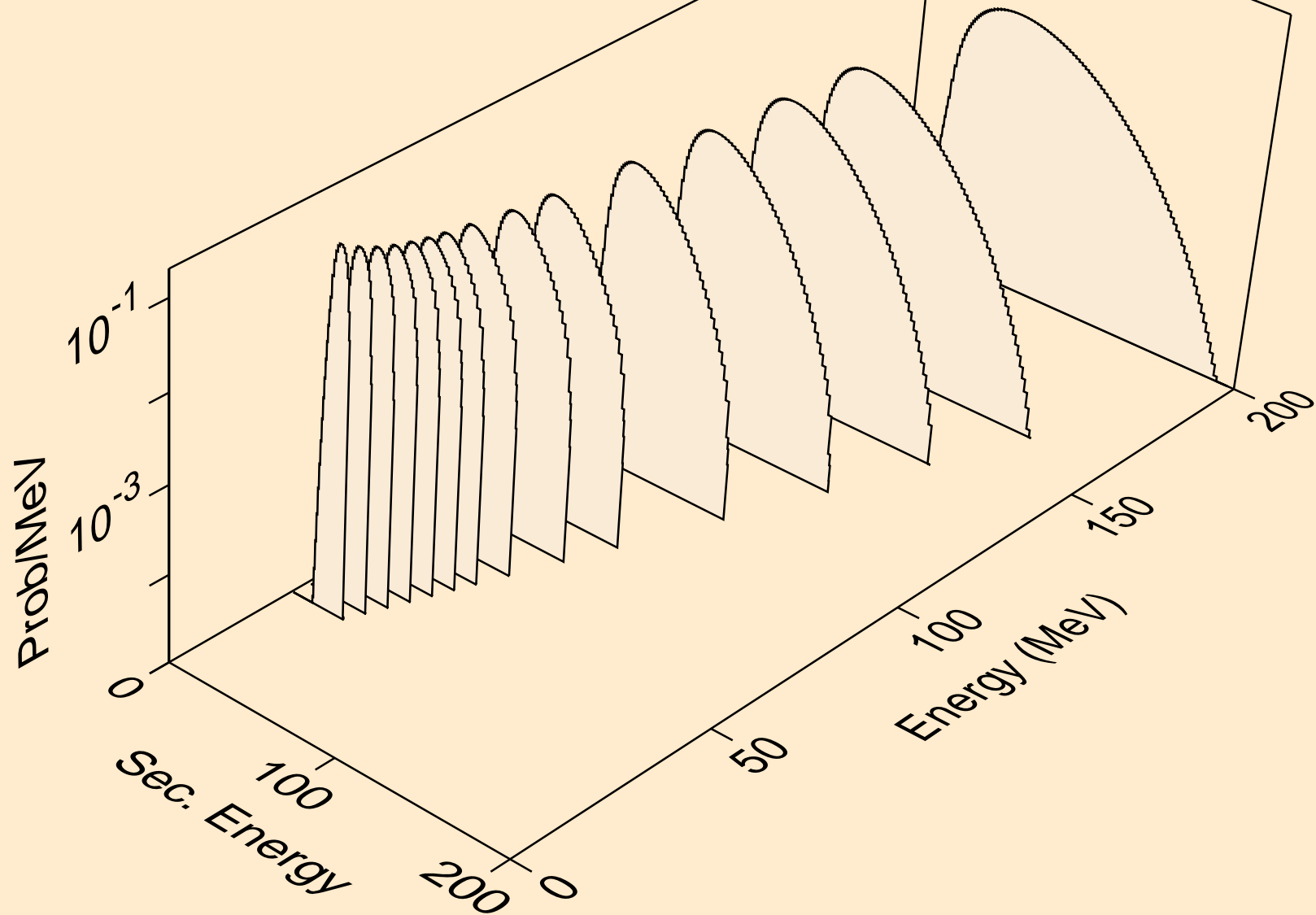
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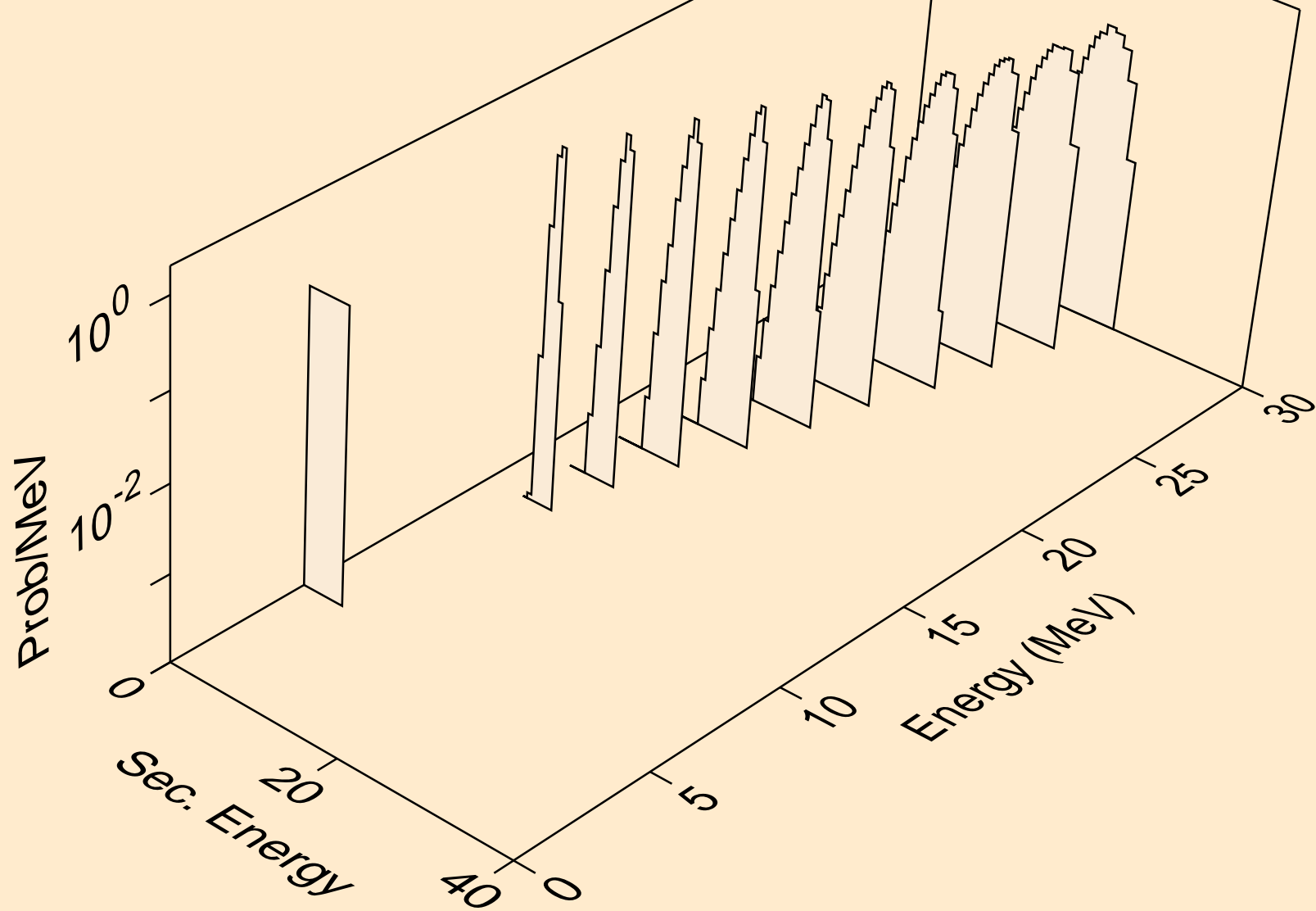
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HG185M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
he3s from (n,x)

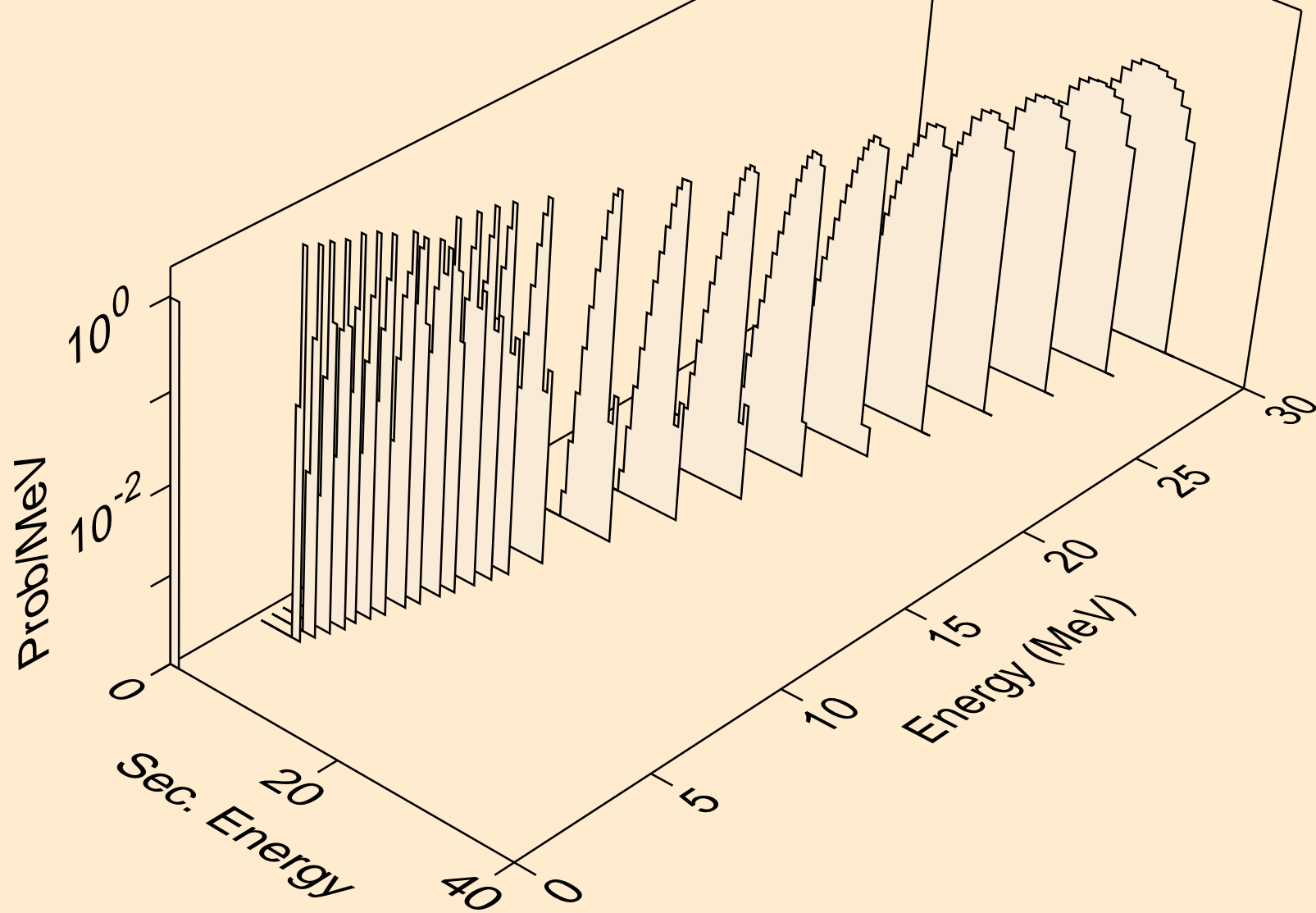


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he3s from (n,n\*)he3

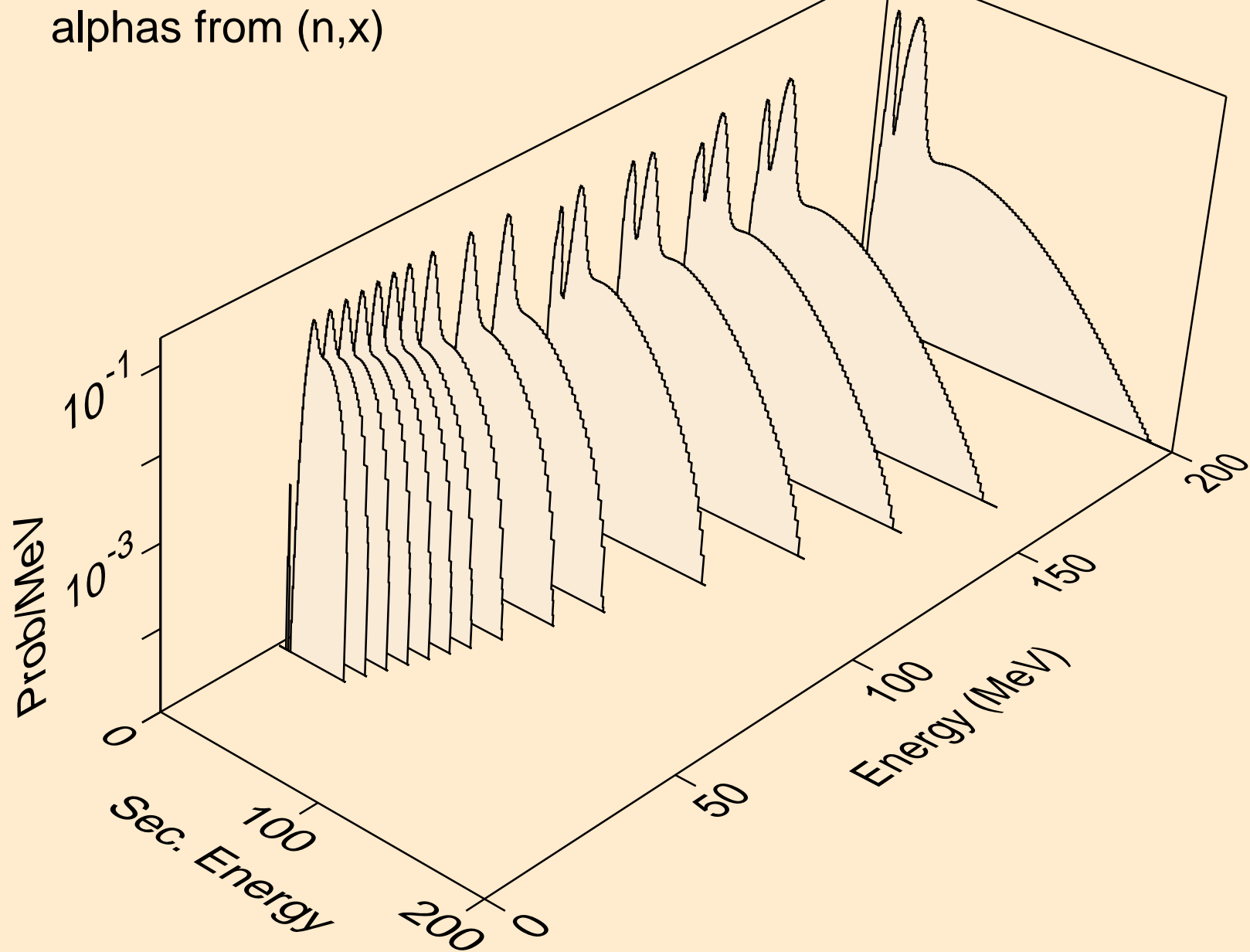




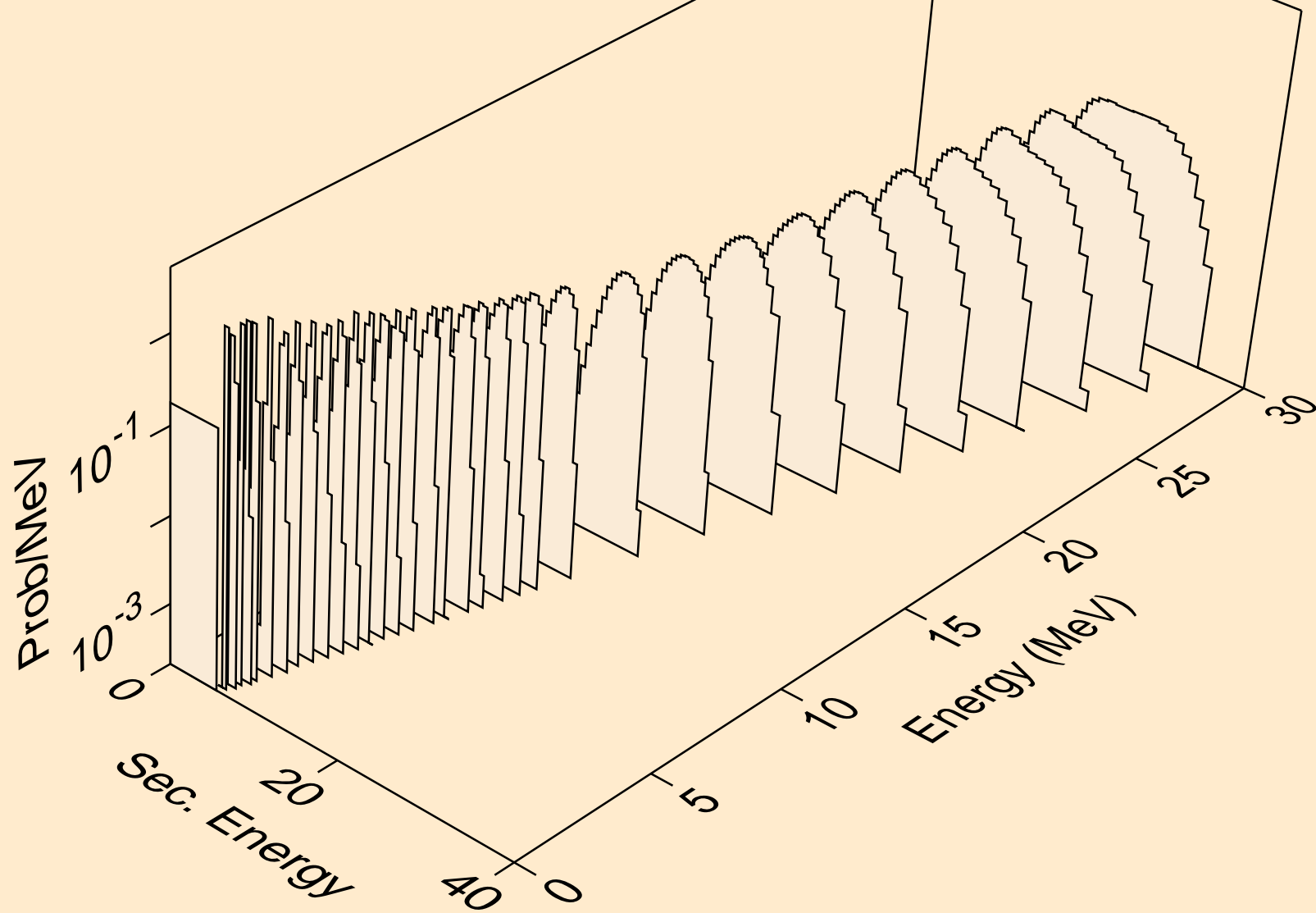
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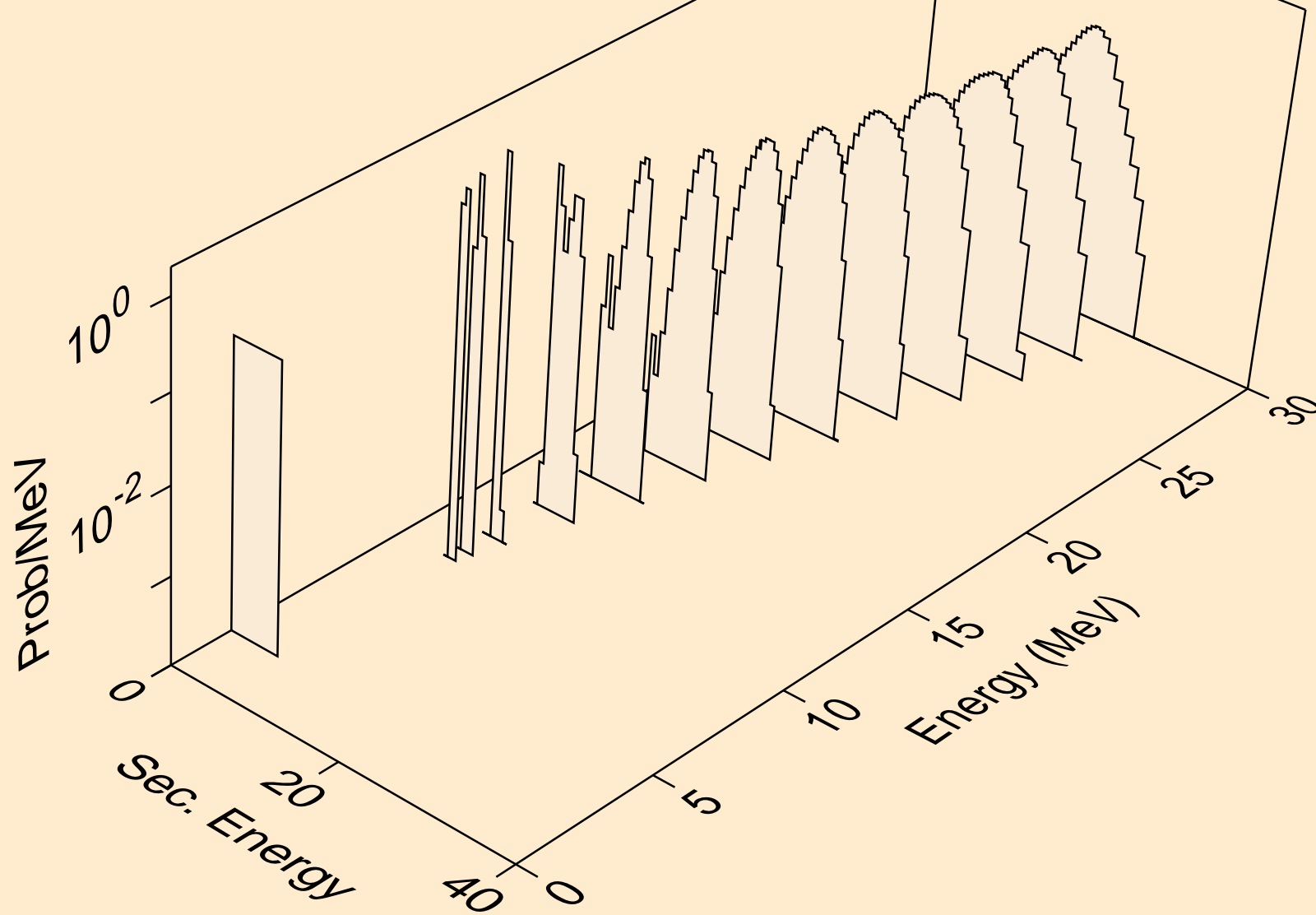
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alphas from (n,x)



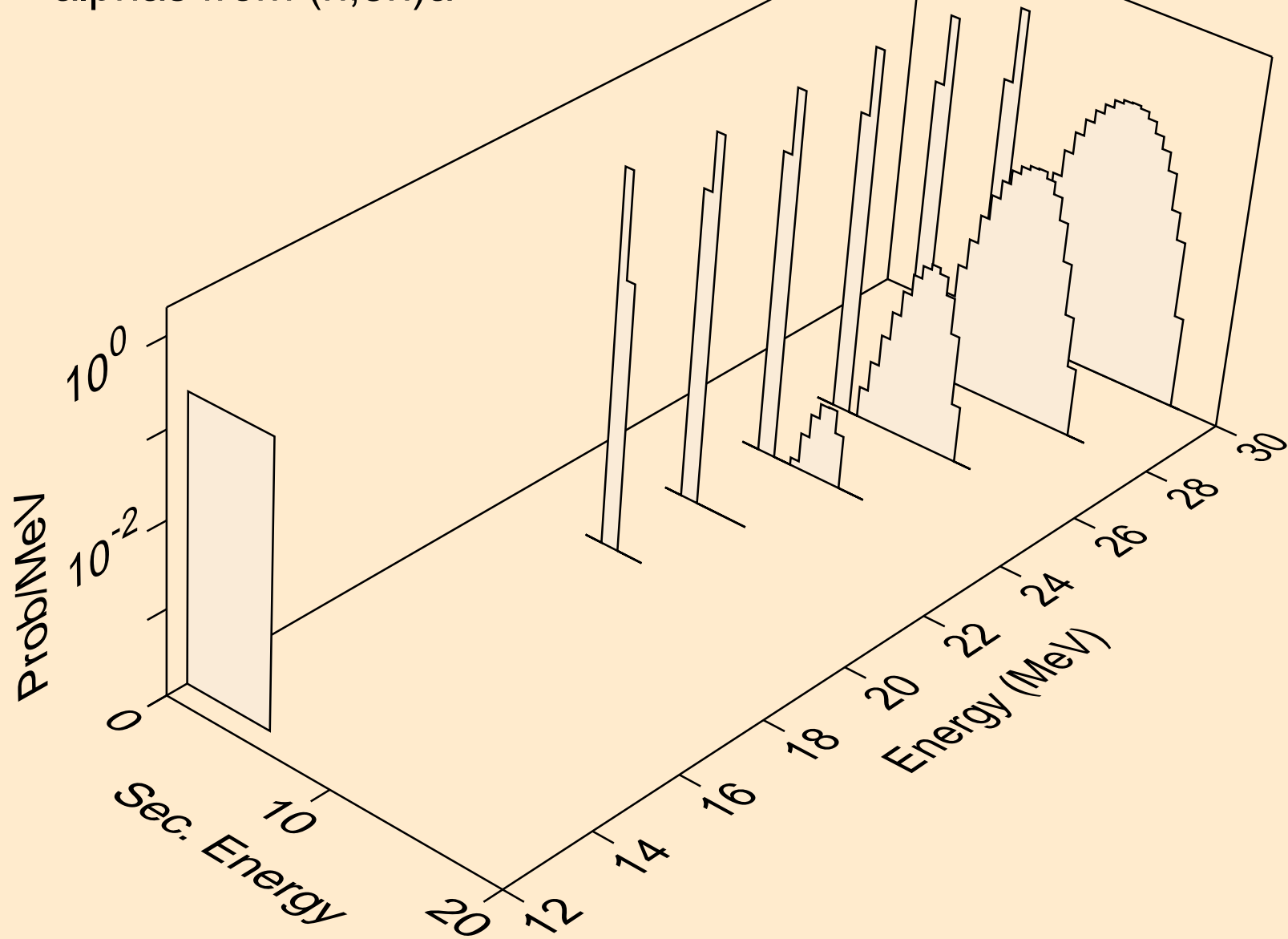
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alphas from (n,n\*)a



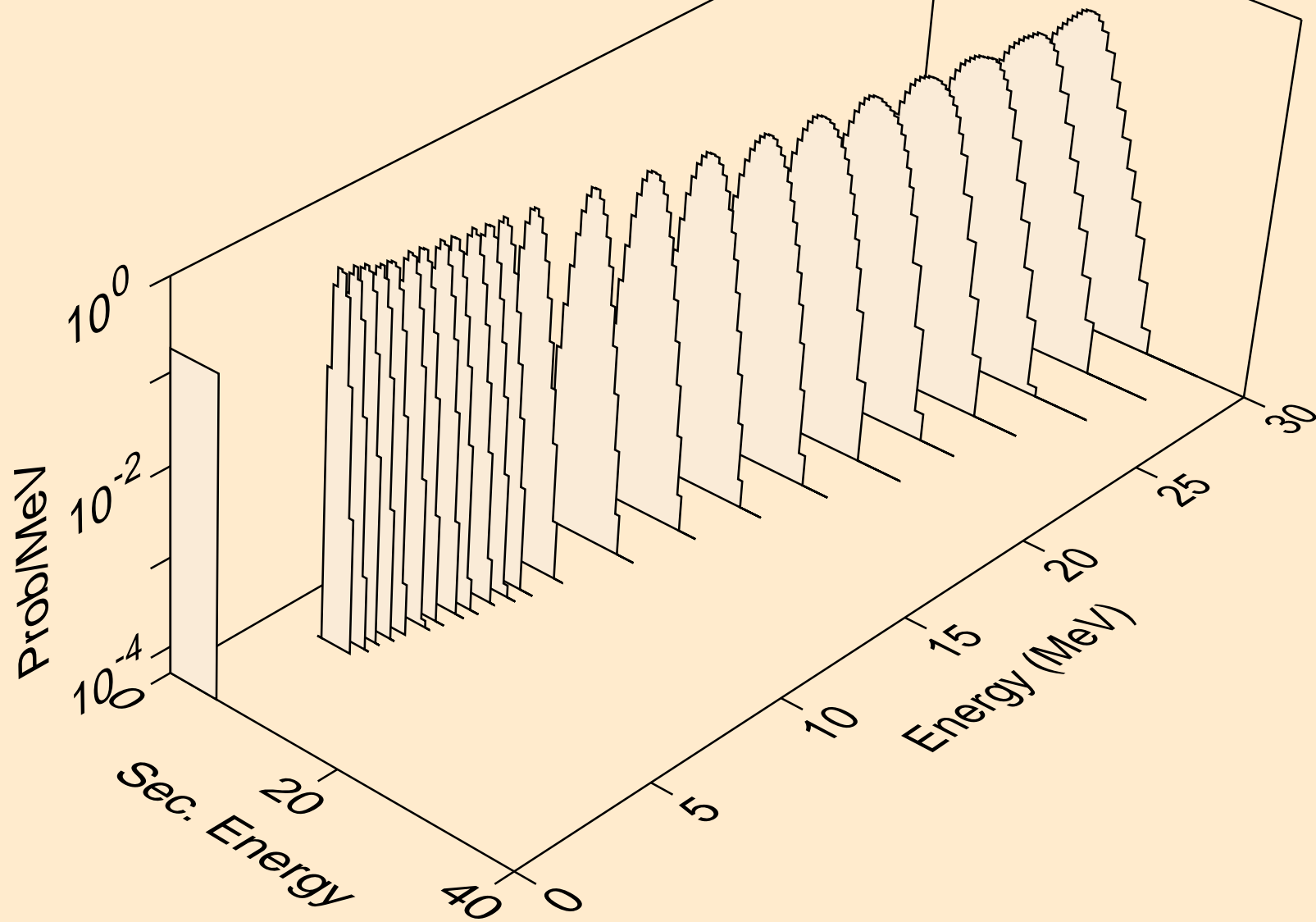
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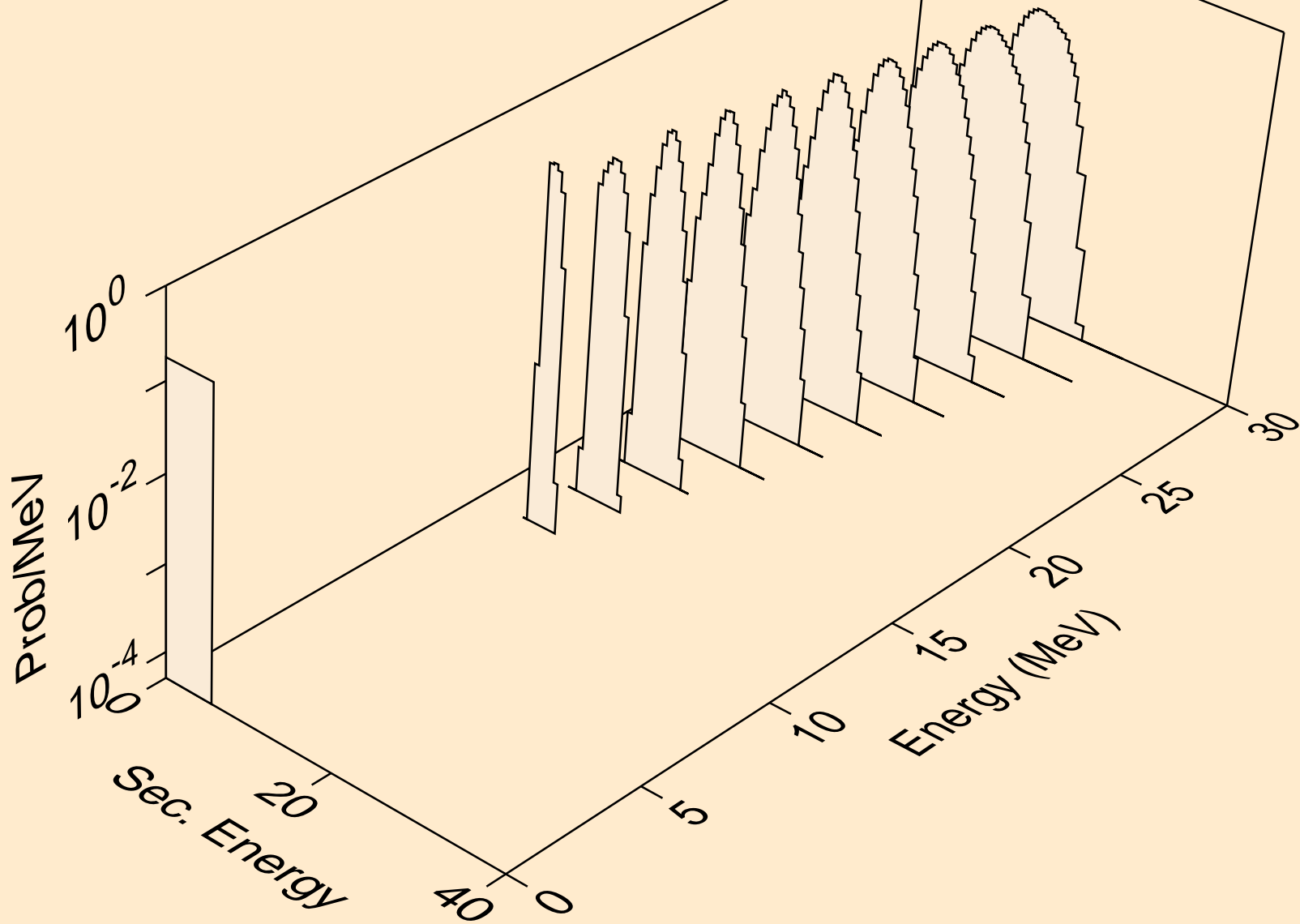
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alphas from (n,3n)a



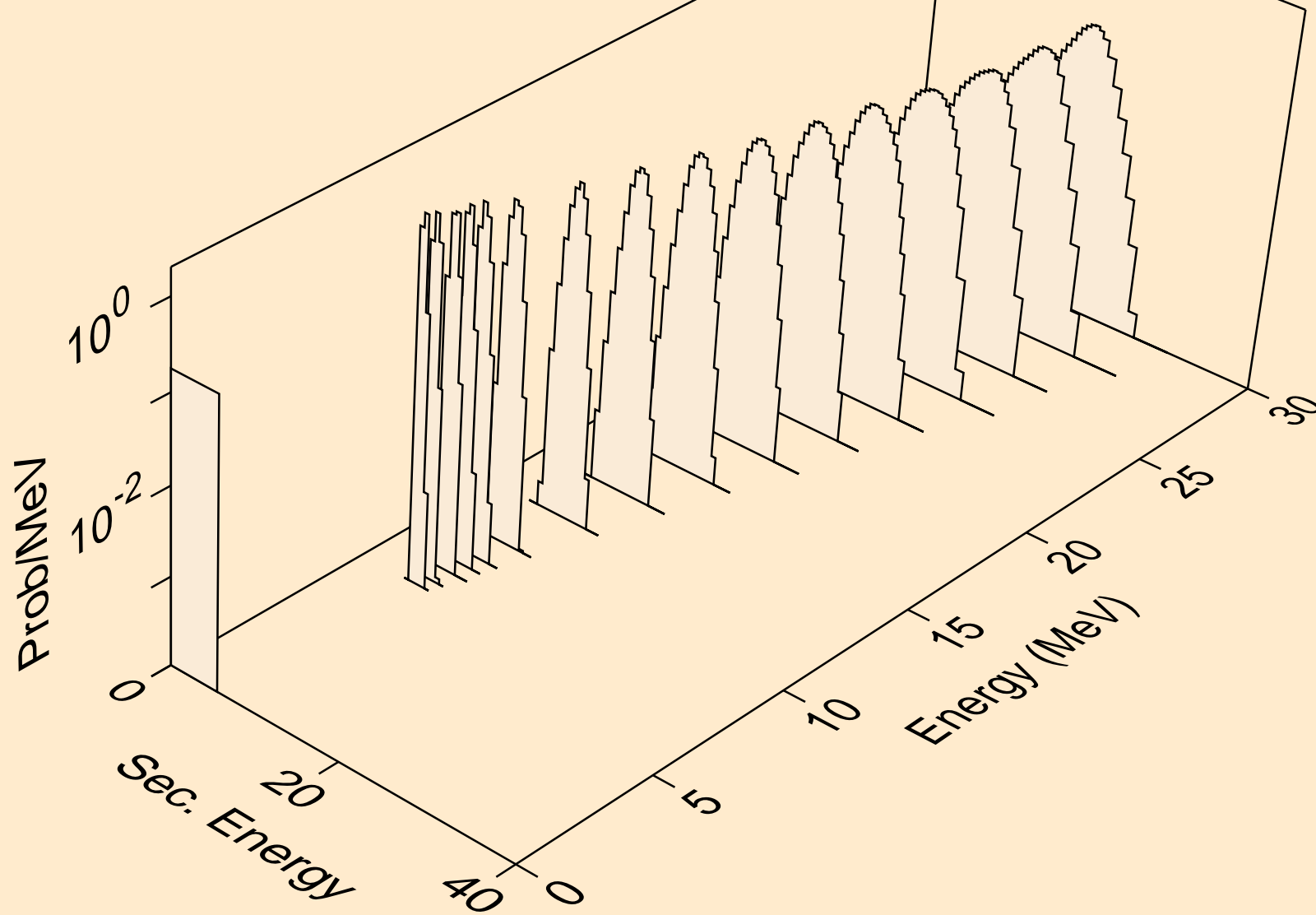
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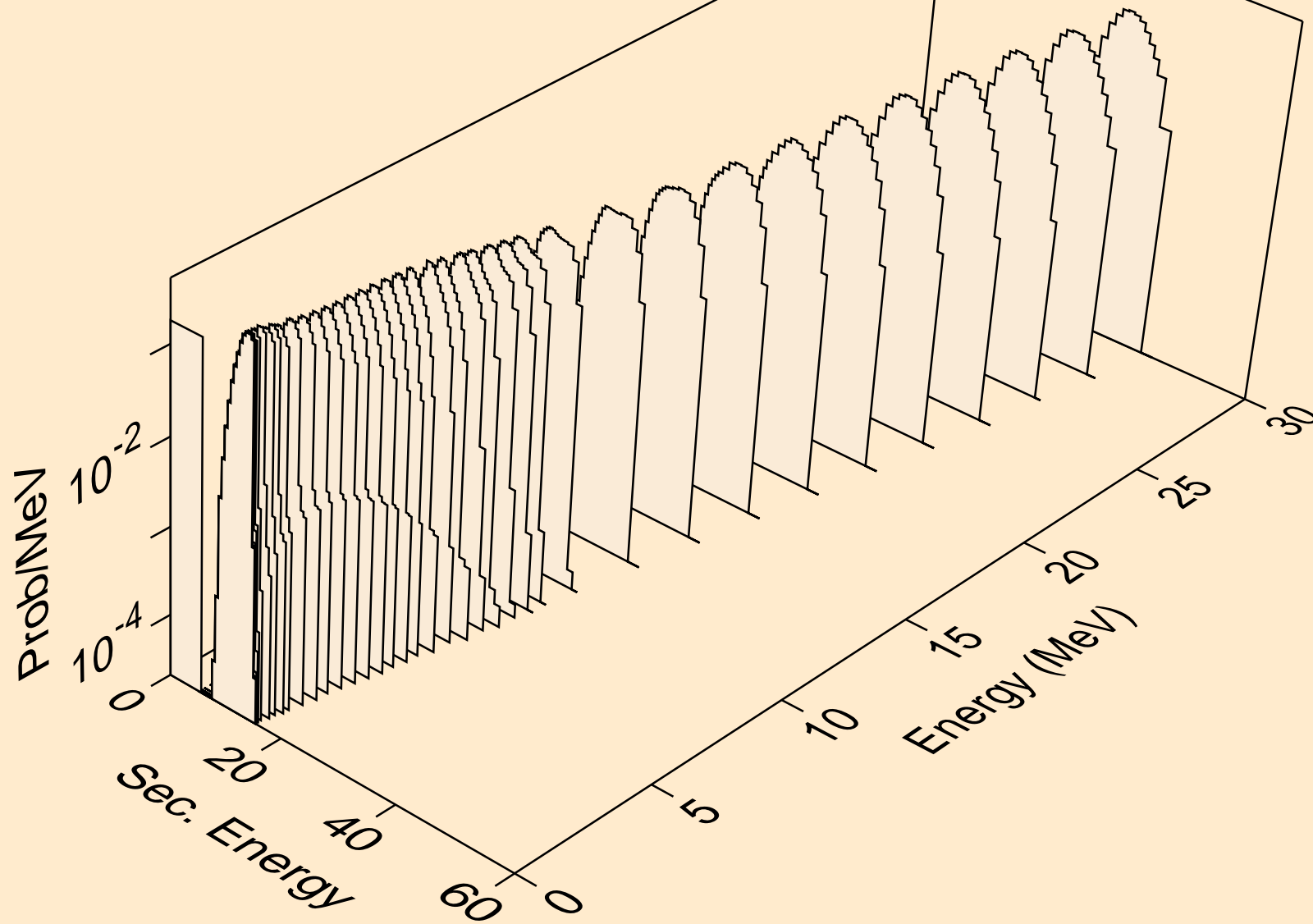


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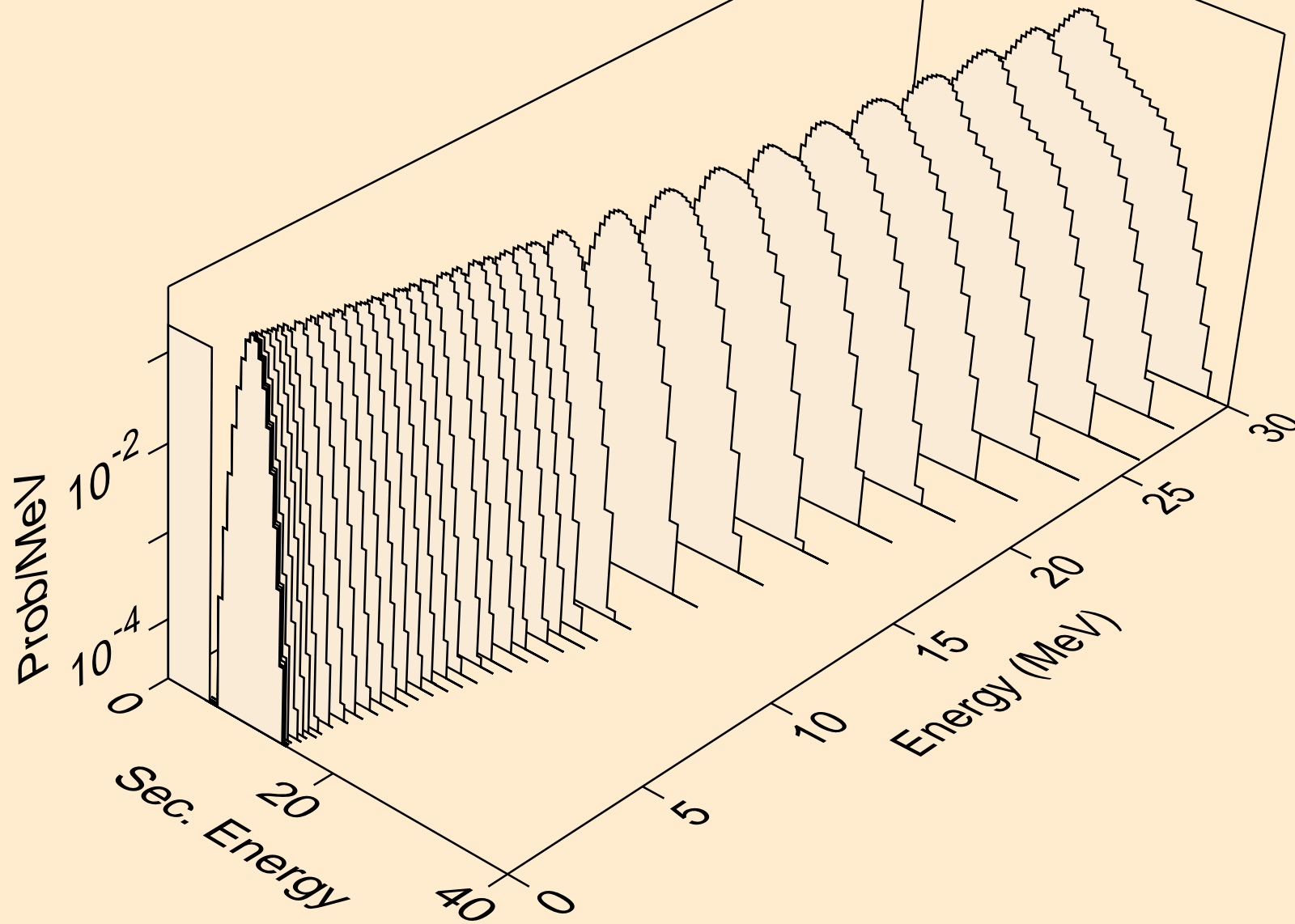




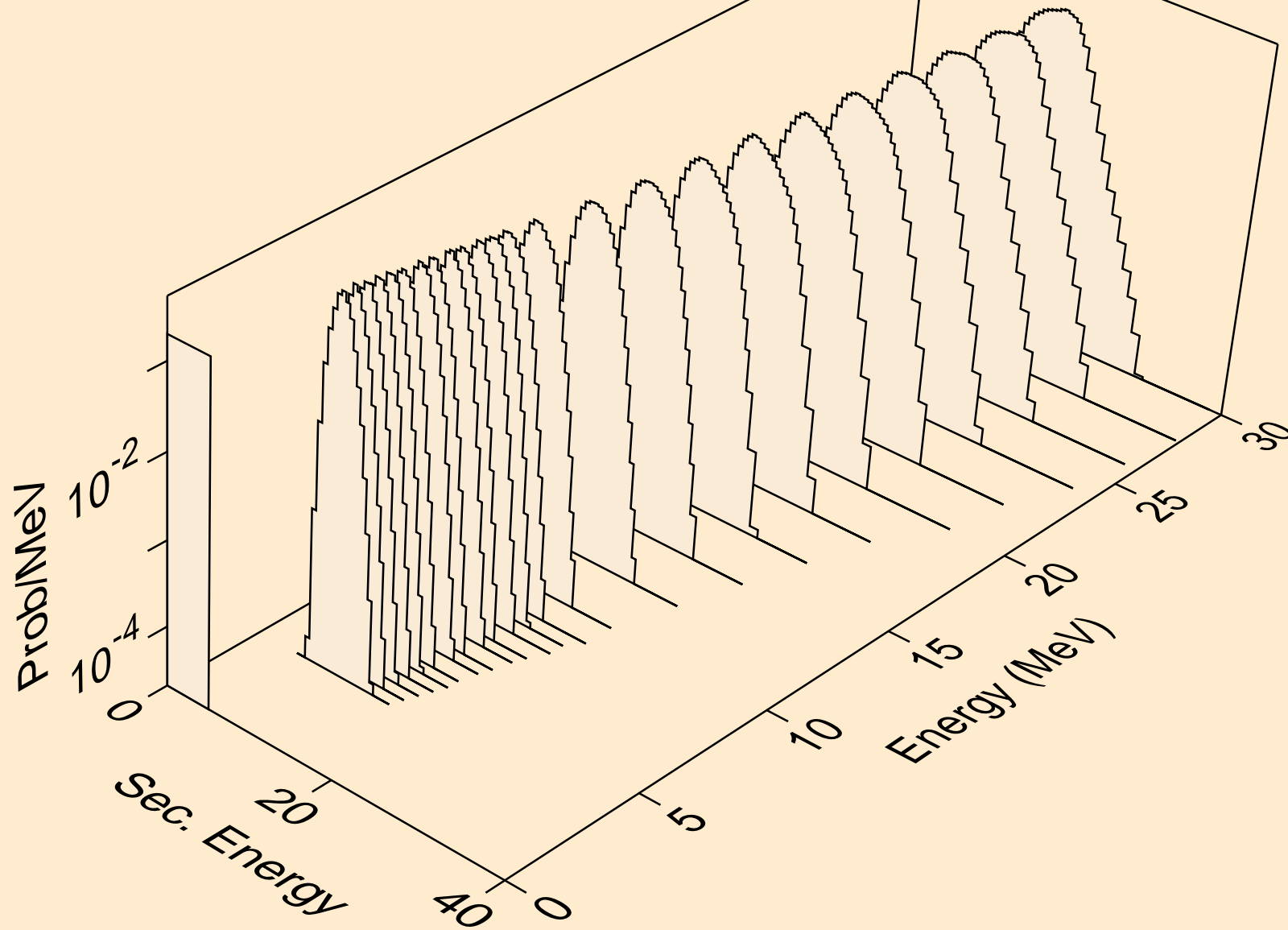
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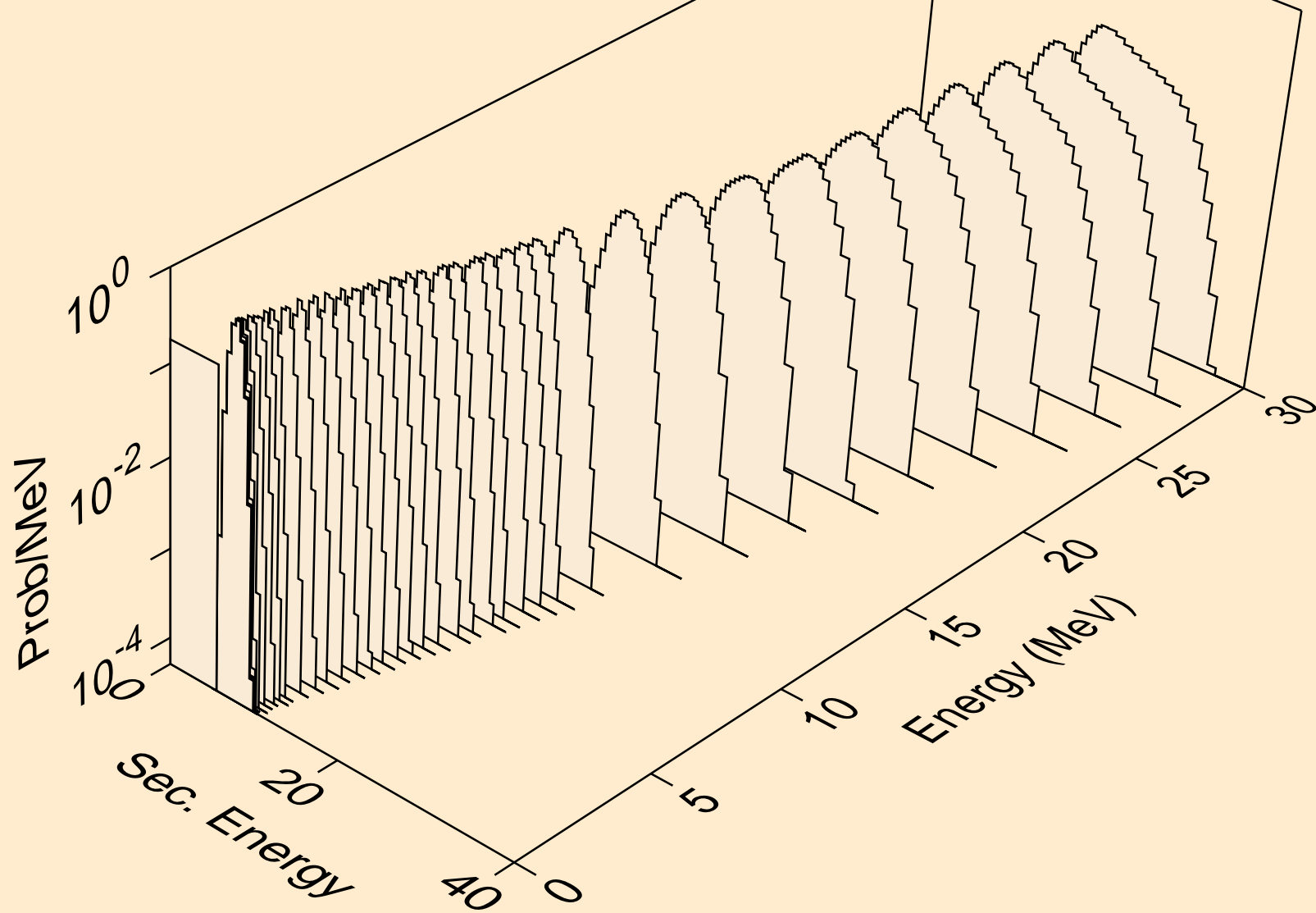
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alphas from (n,2a)



HG185M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,3a)



HG185M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,pa)



HG185M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,da)

