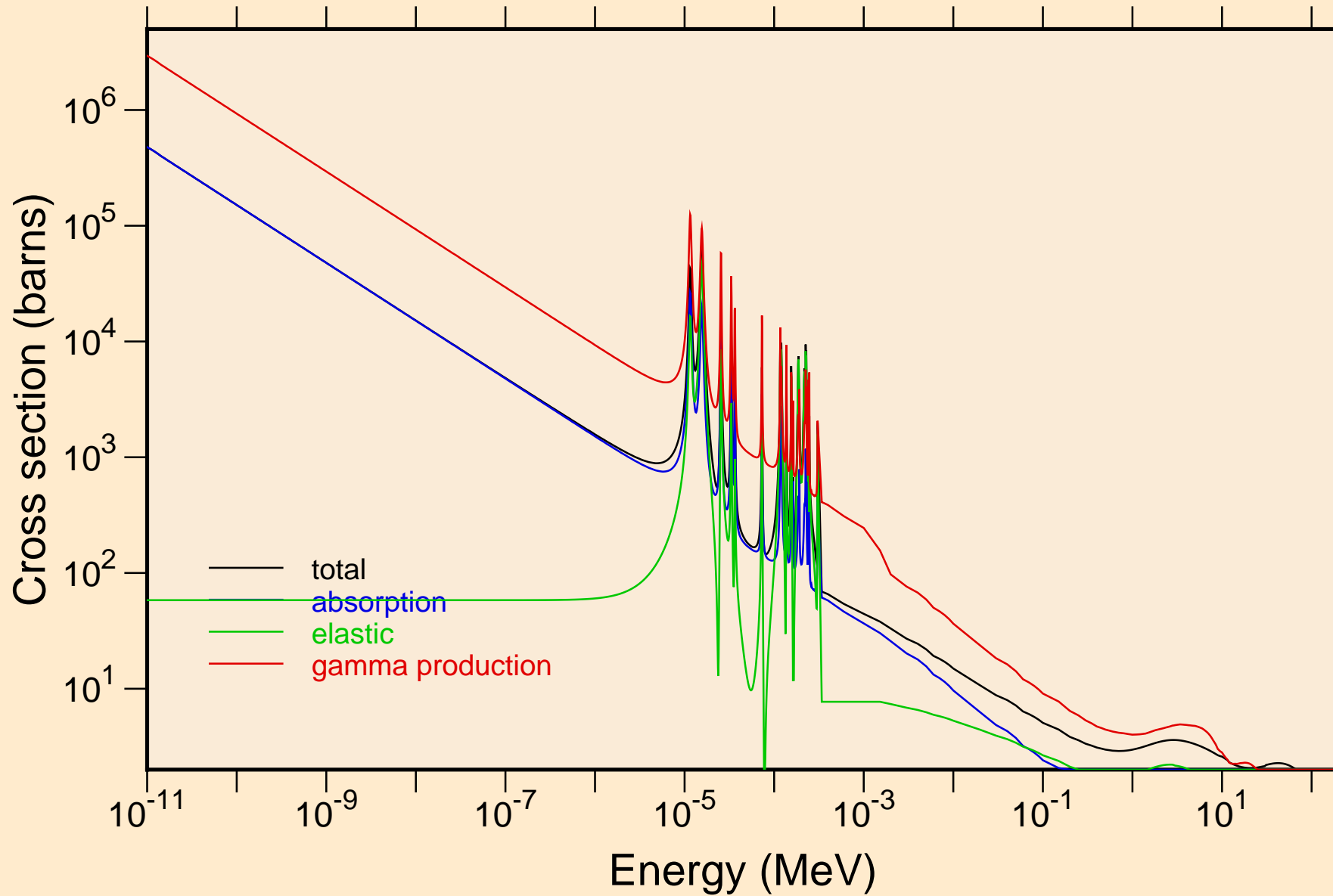
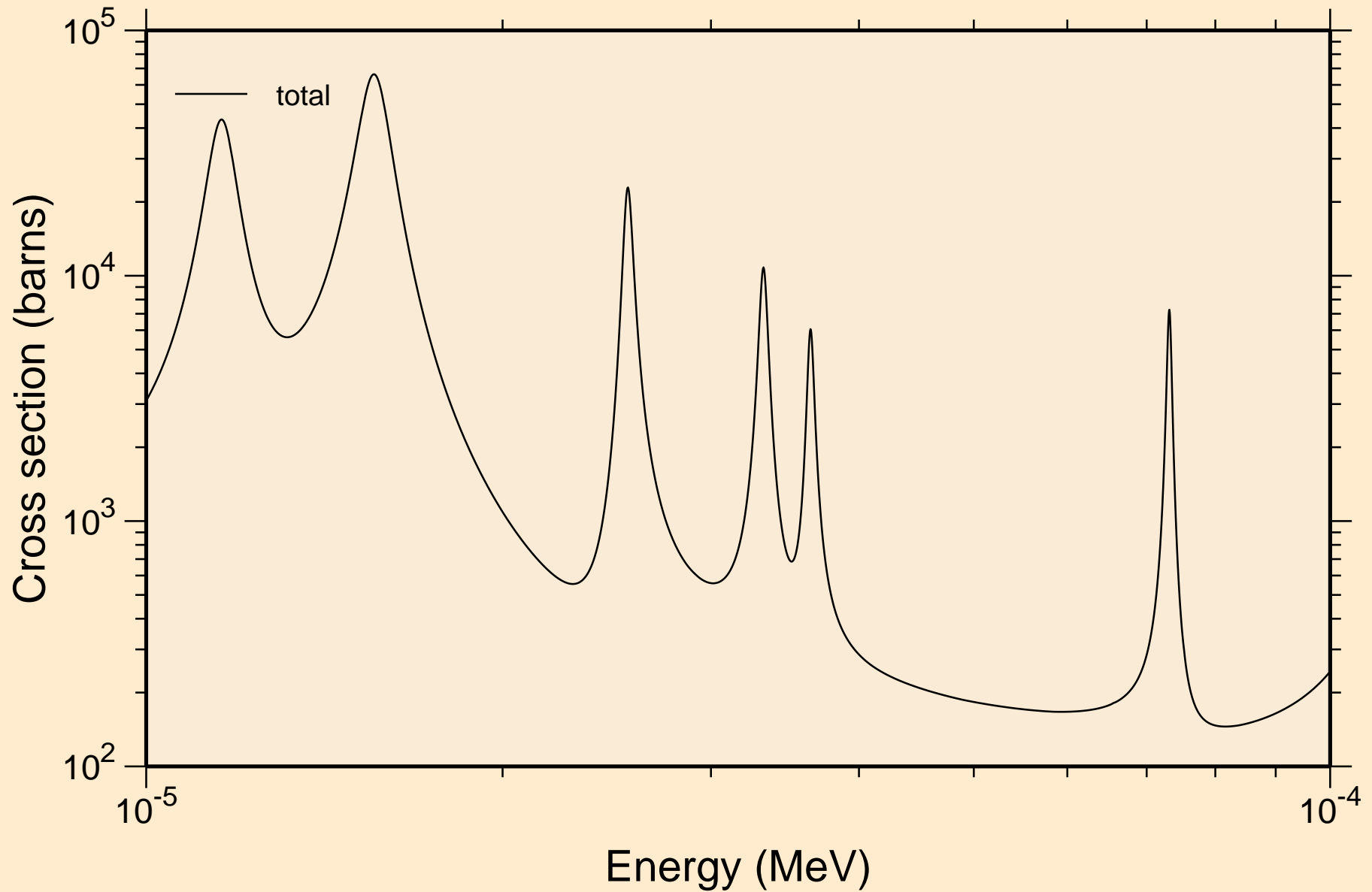


# SC042M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

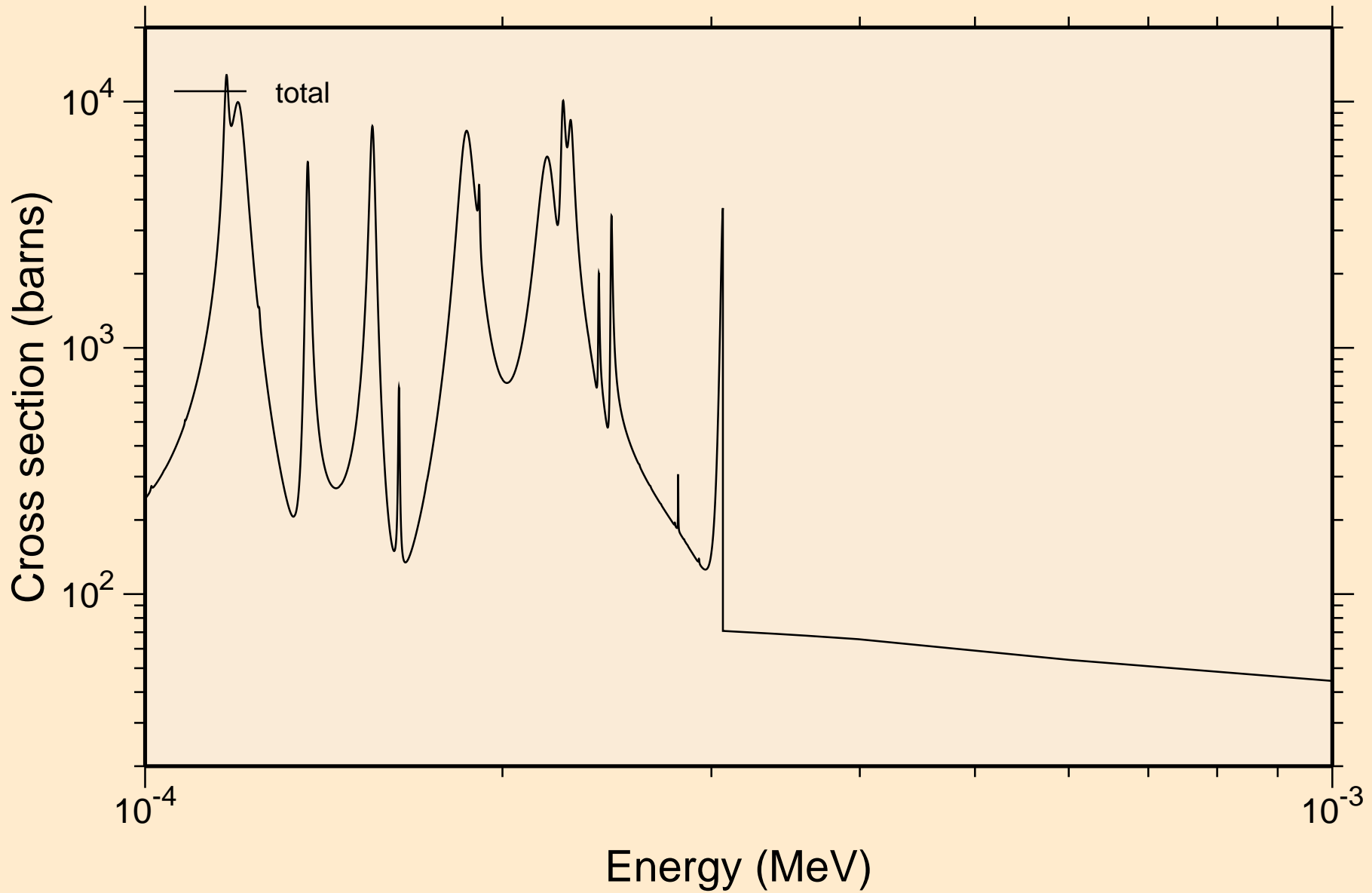
## Principal cross sections



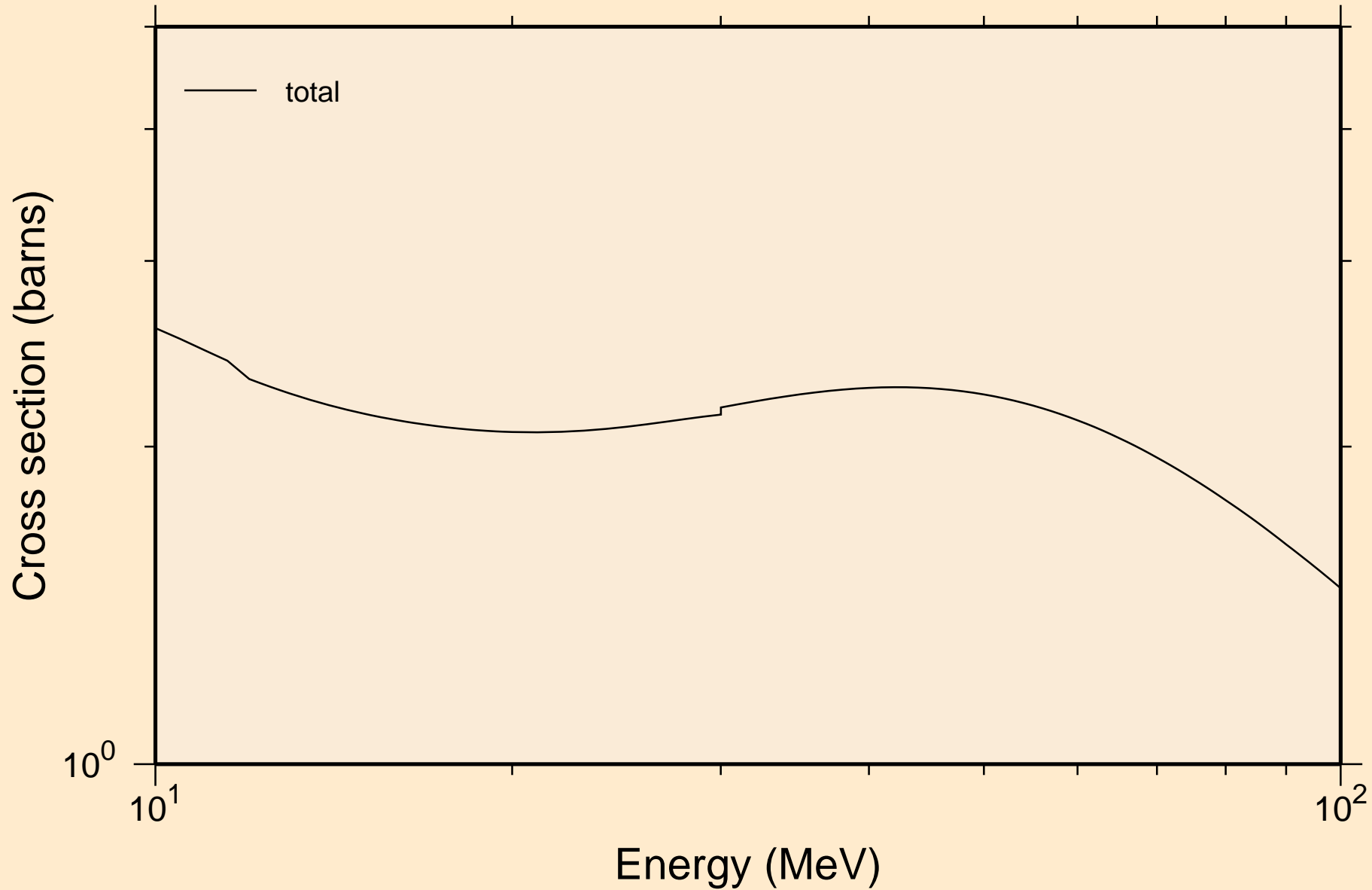
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resonance total cross section



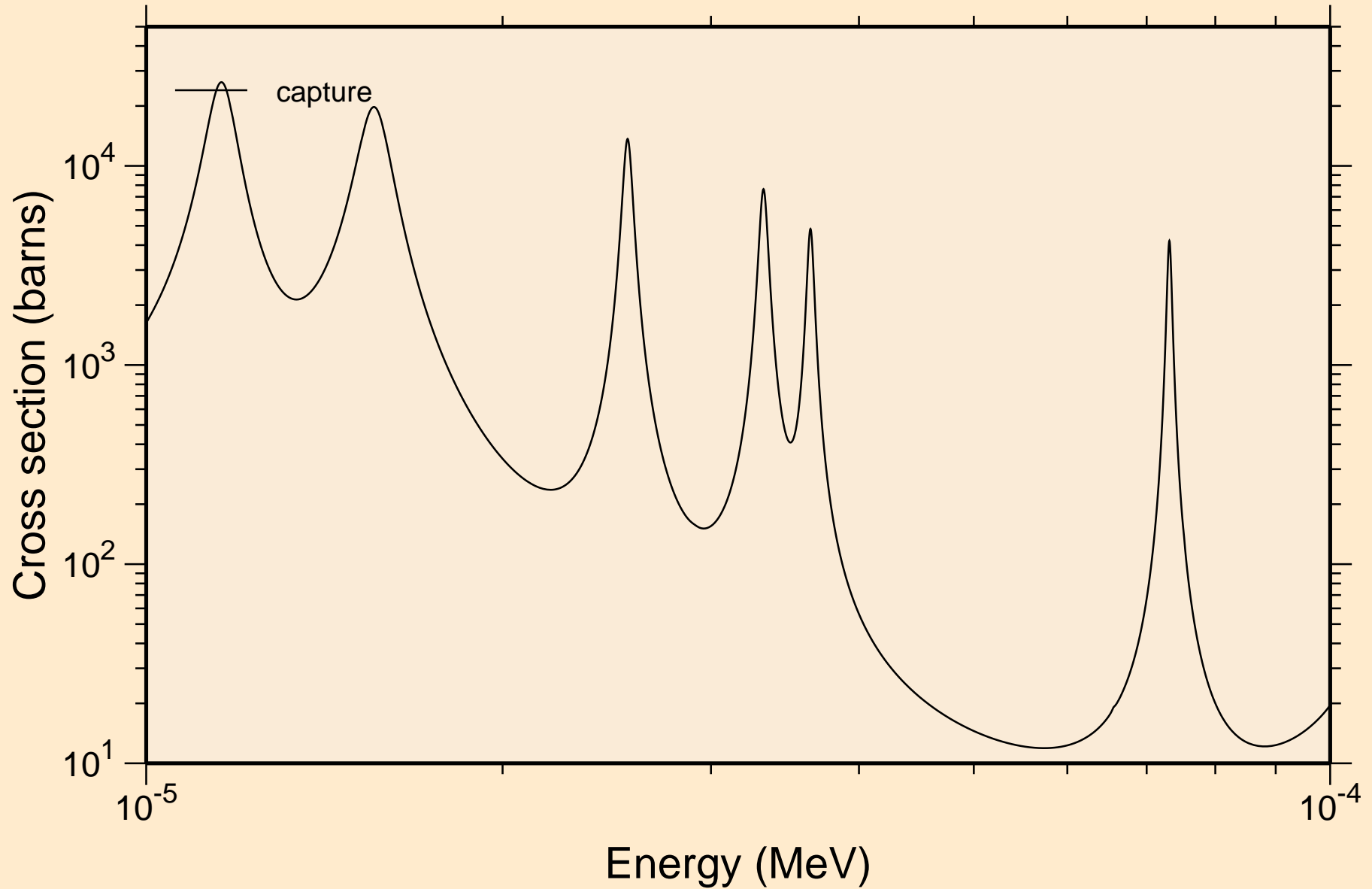
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resonance total cross section



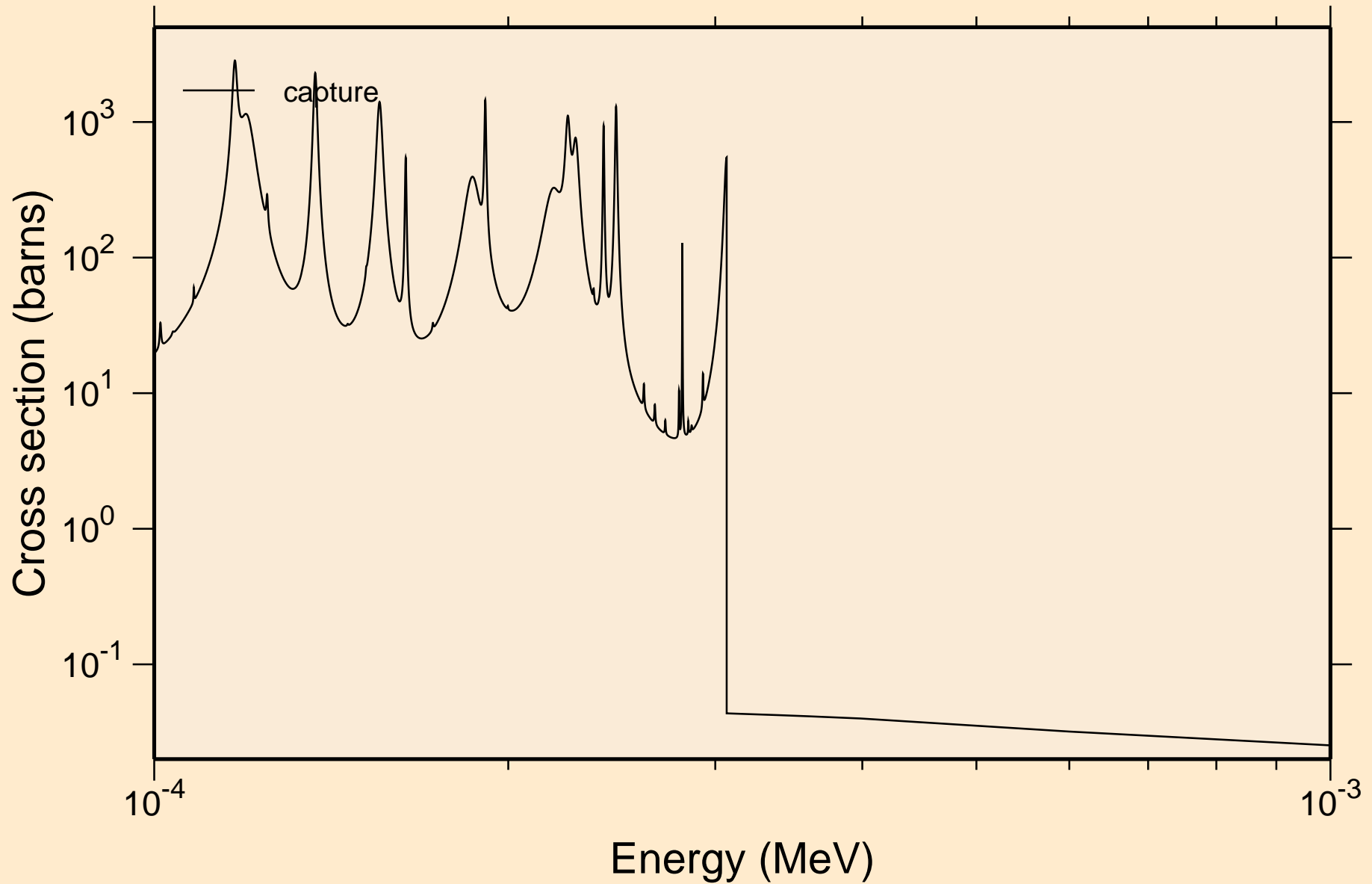
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resonance total cross section



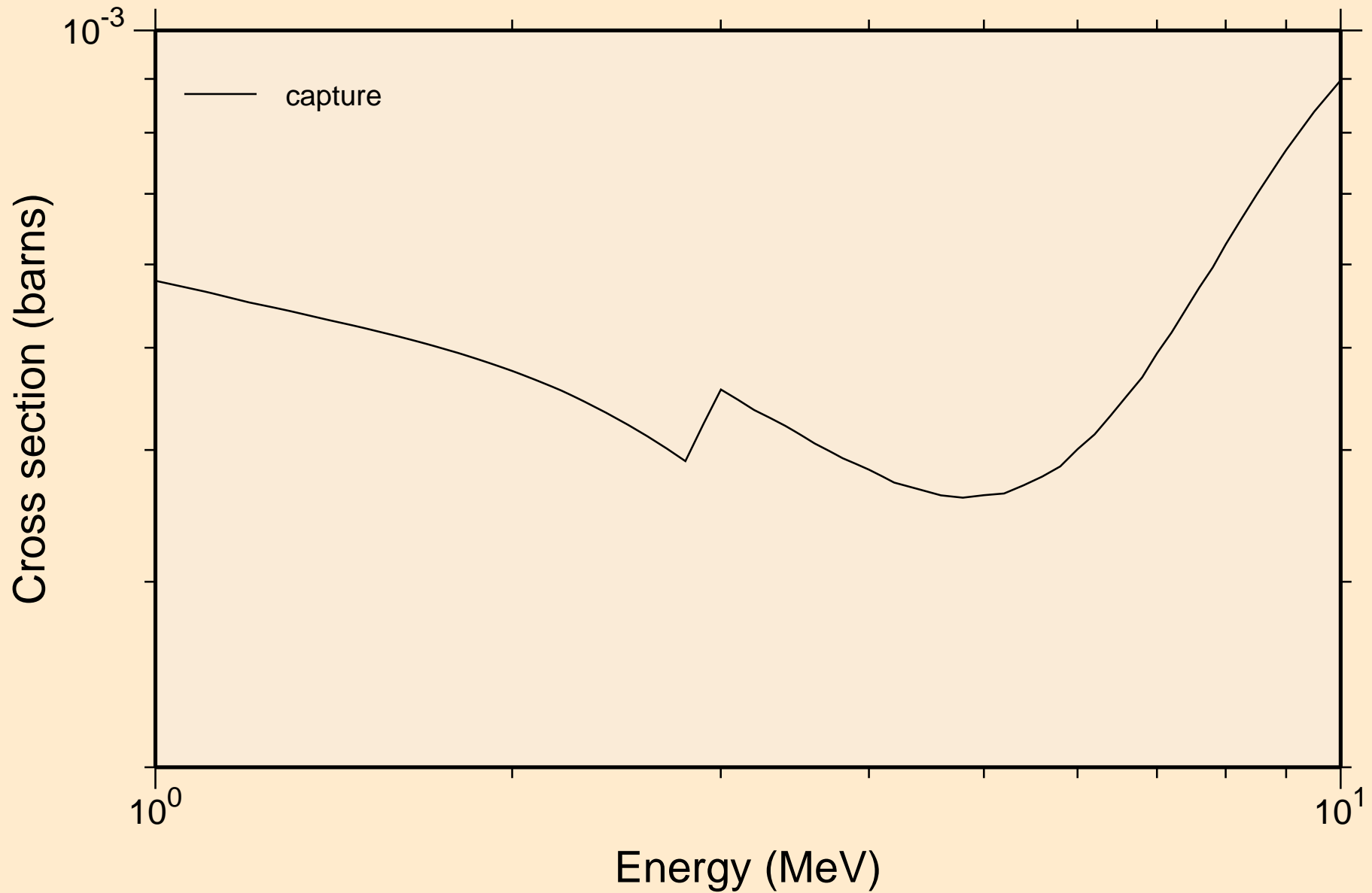
SC042M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



SC042M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

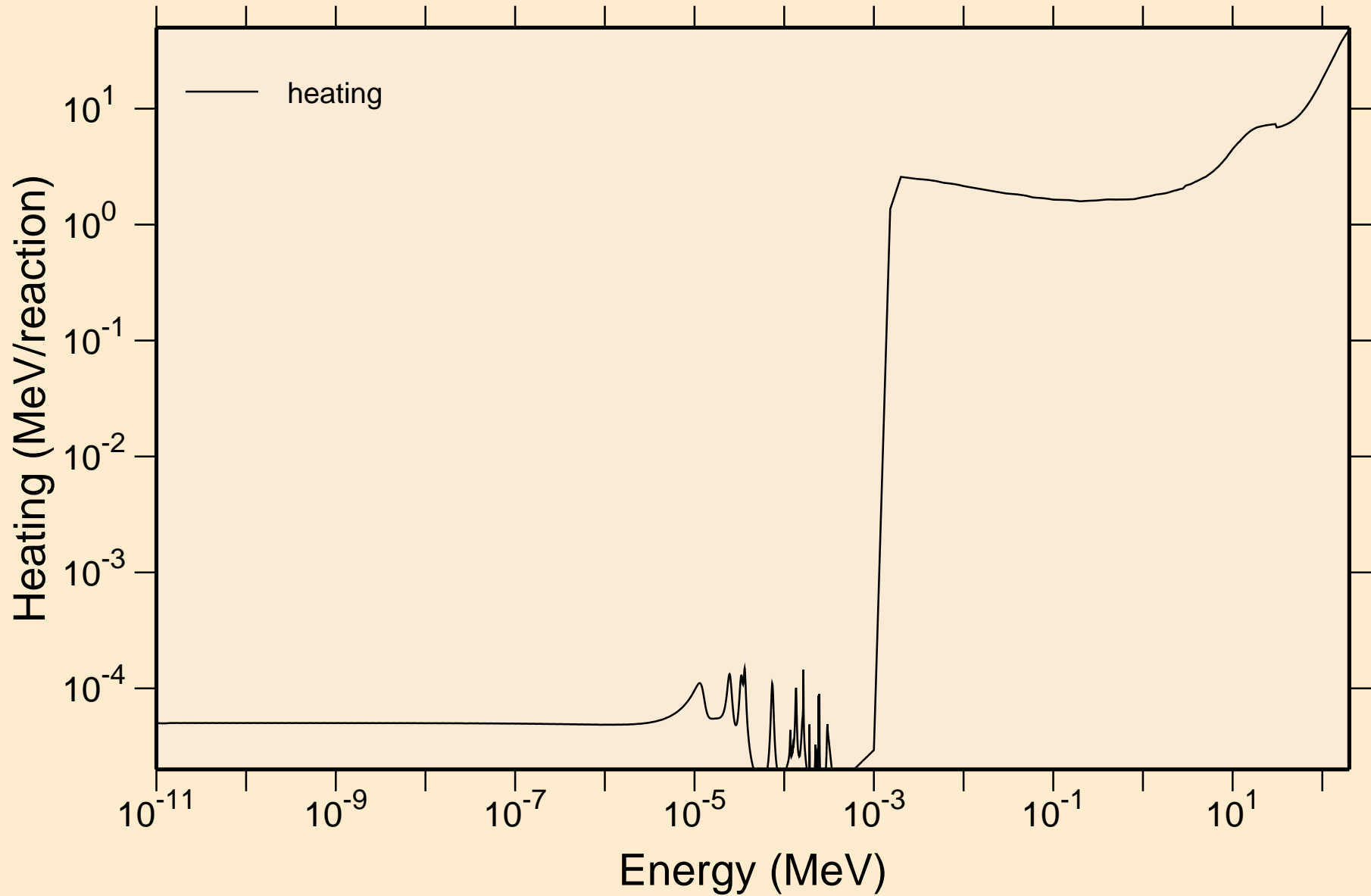


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resonance absorption cross sections



# SC042M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

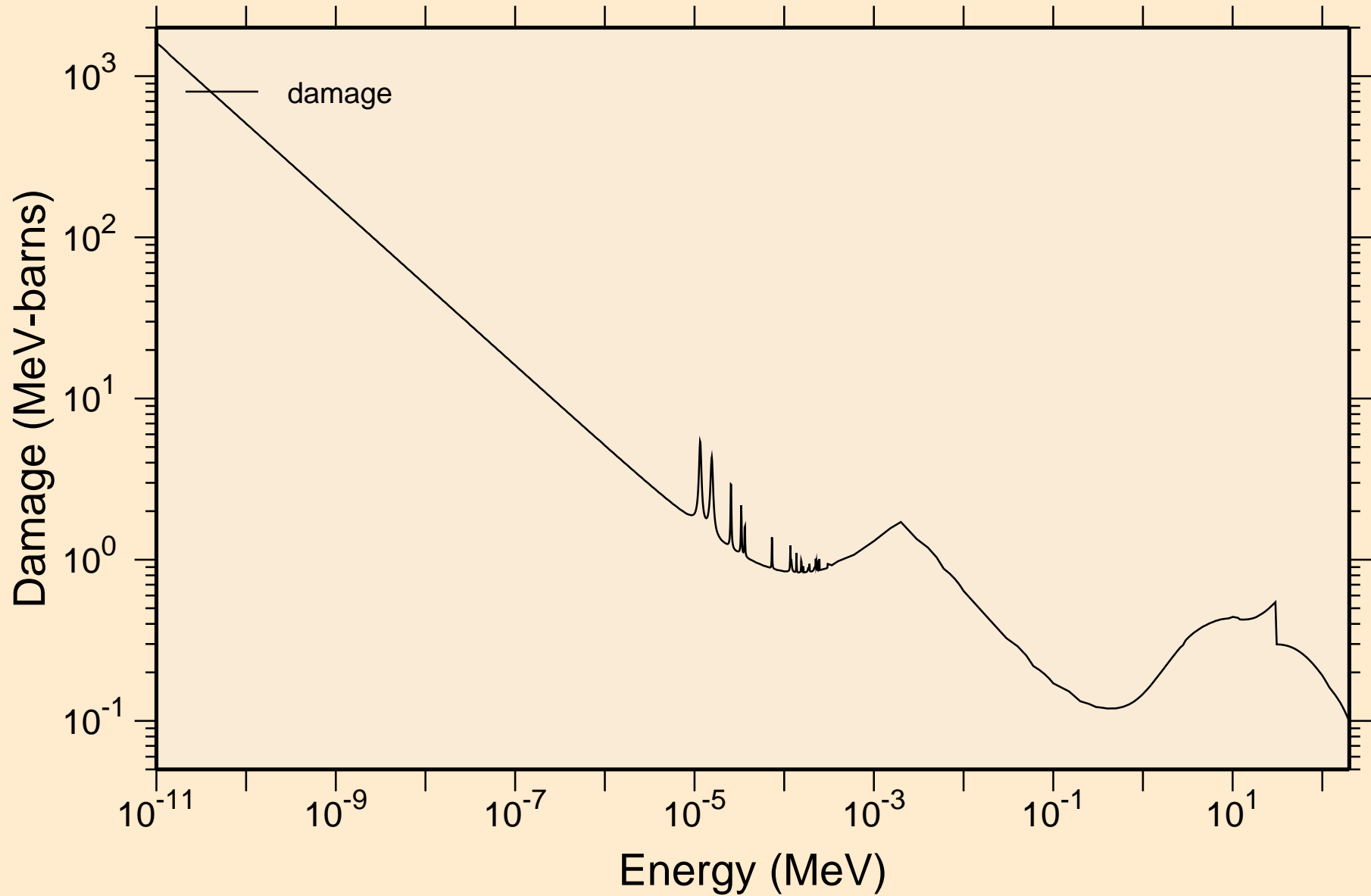
## Heating





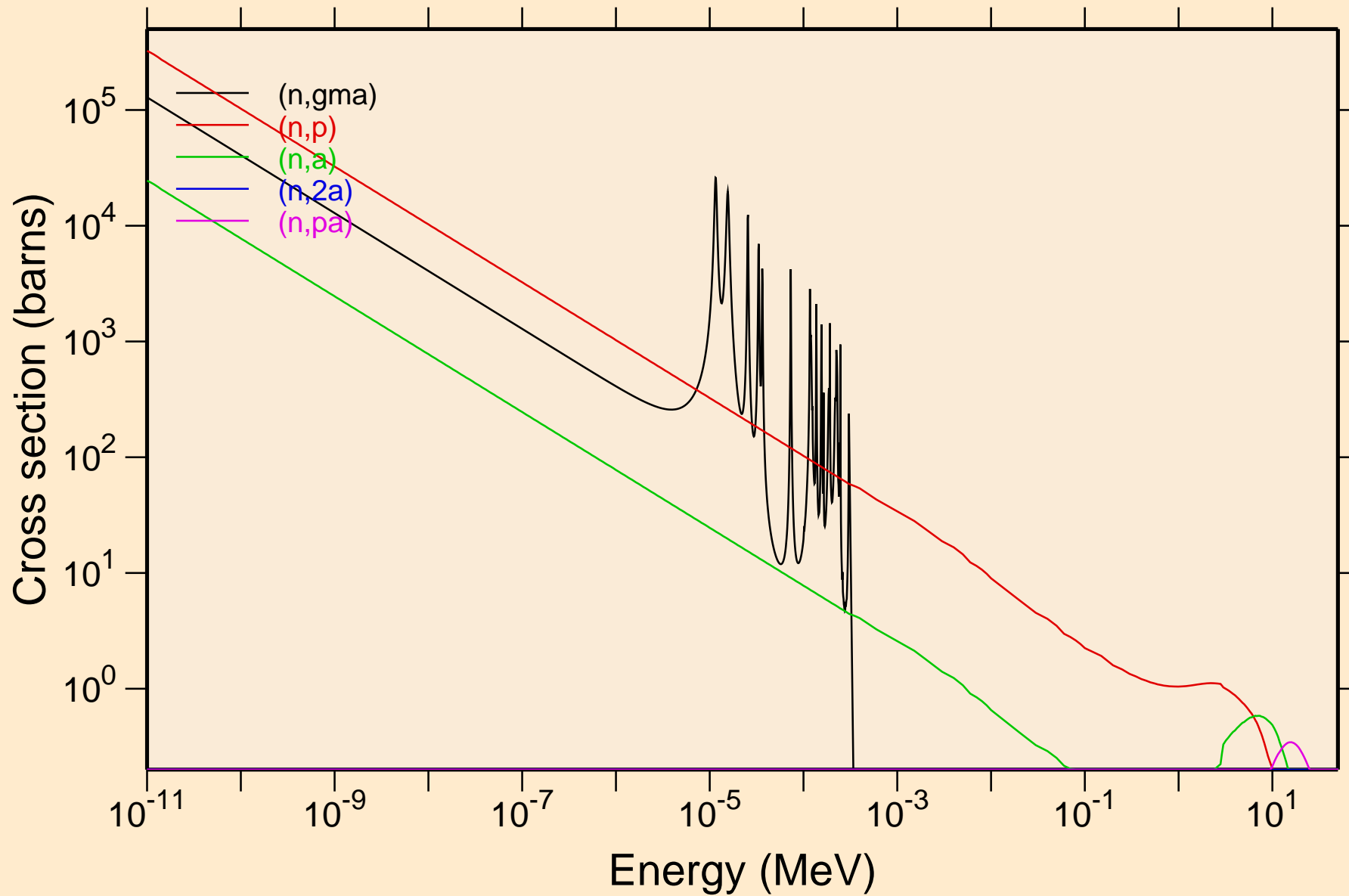
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## Damage

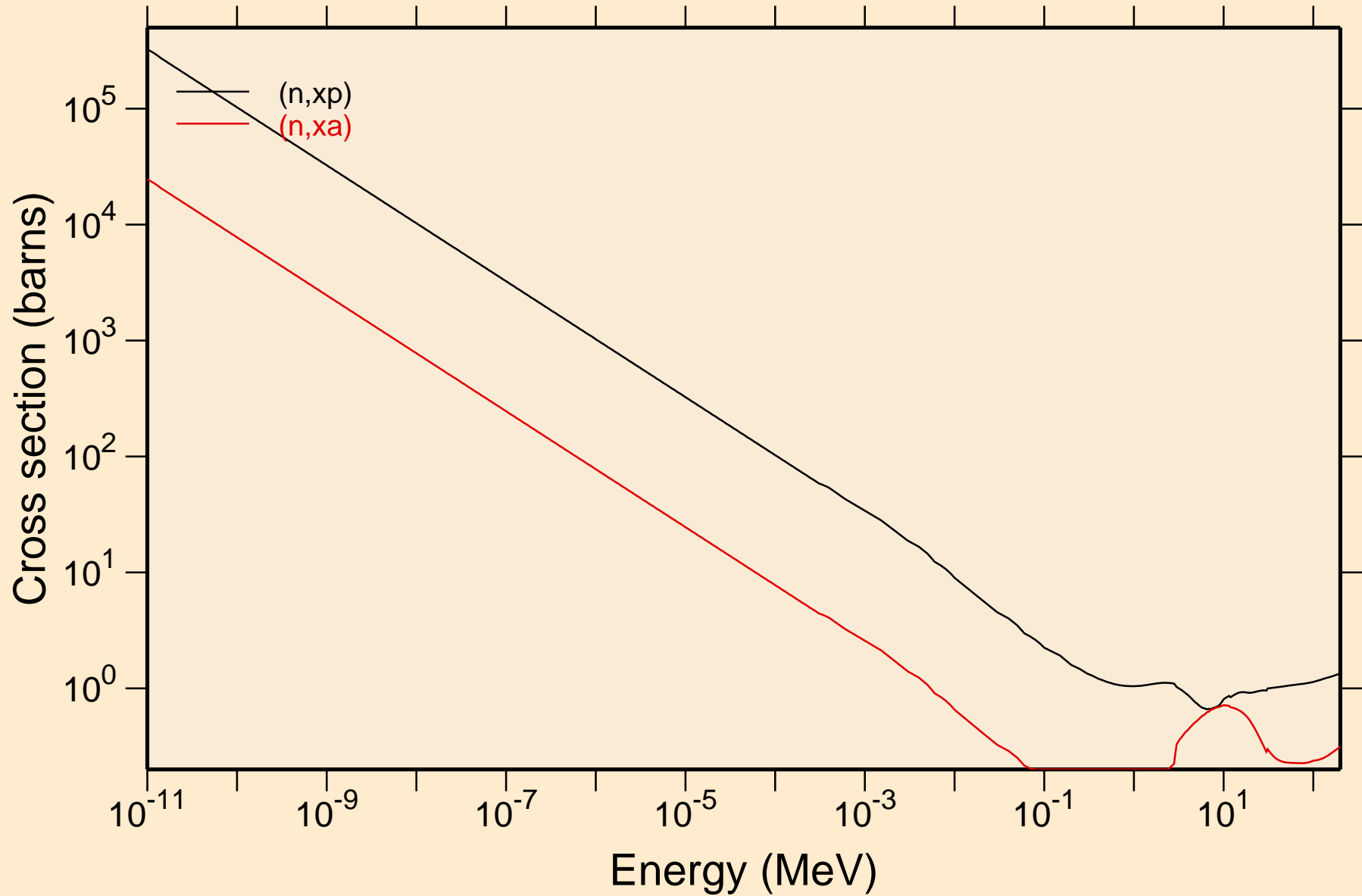


# SC042M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Non-threshold reactions

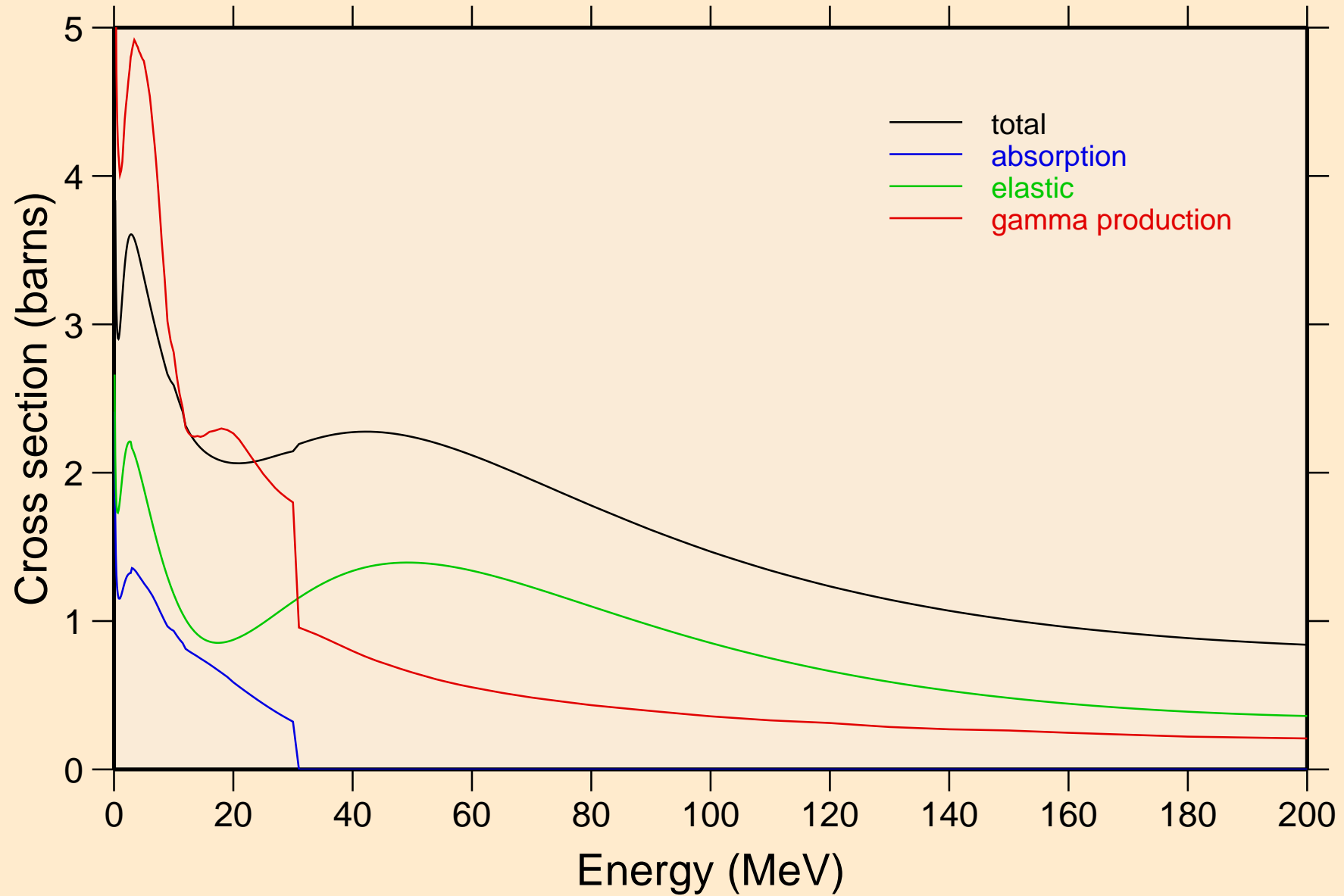


SC042M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



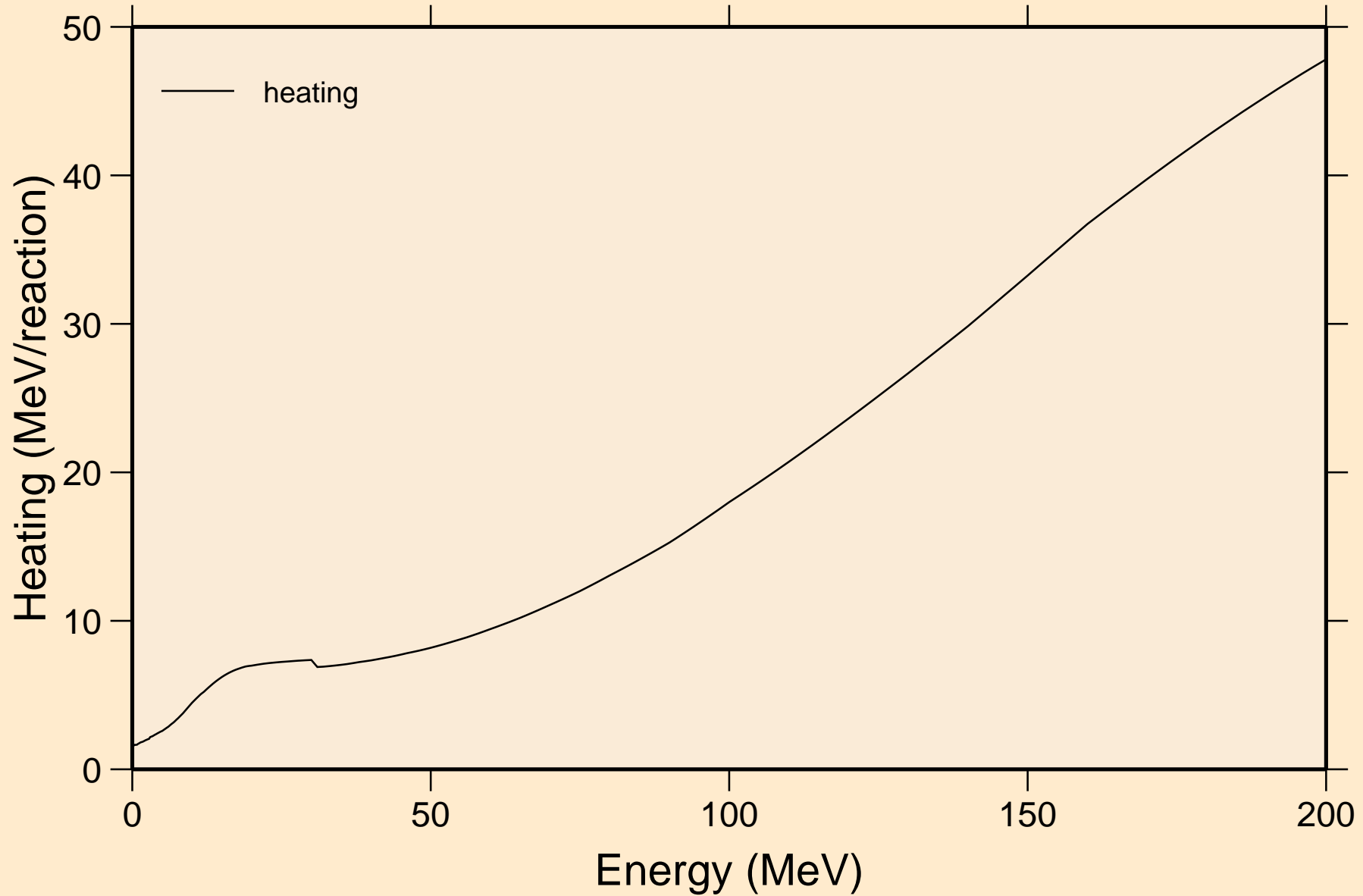
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## Principal cross sections



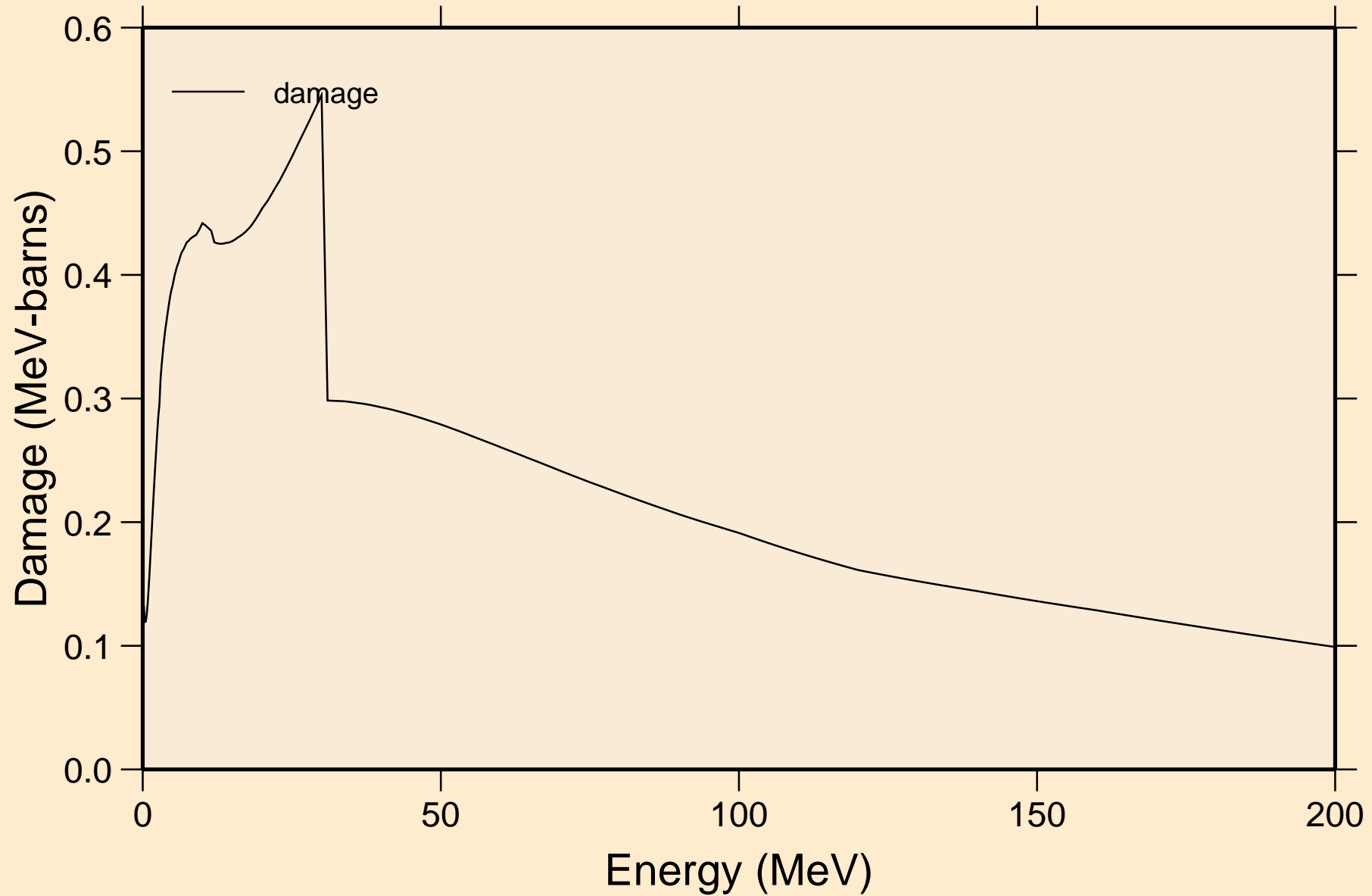
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## Heating

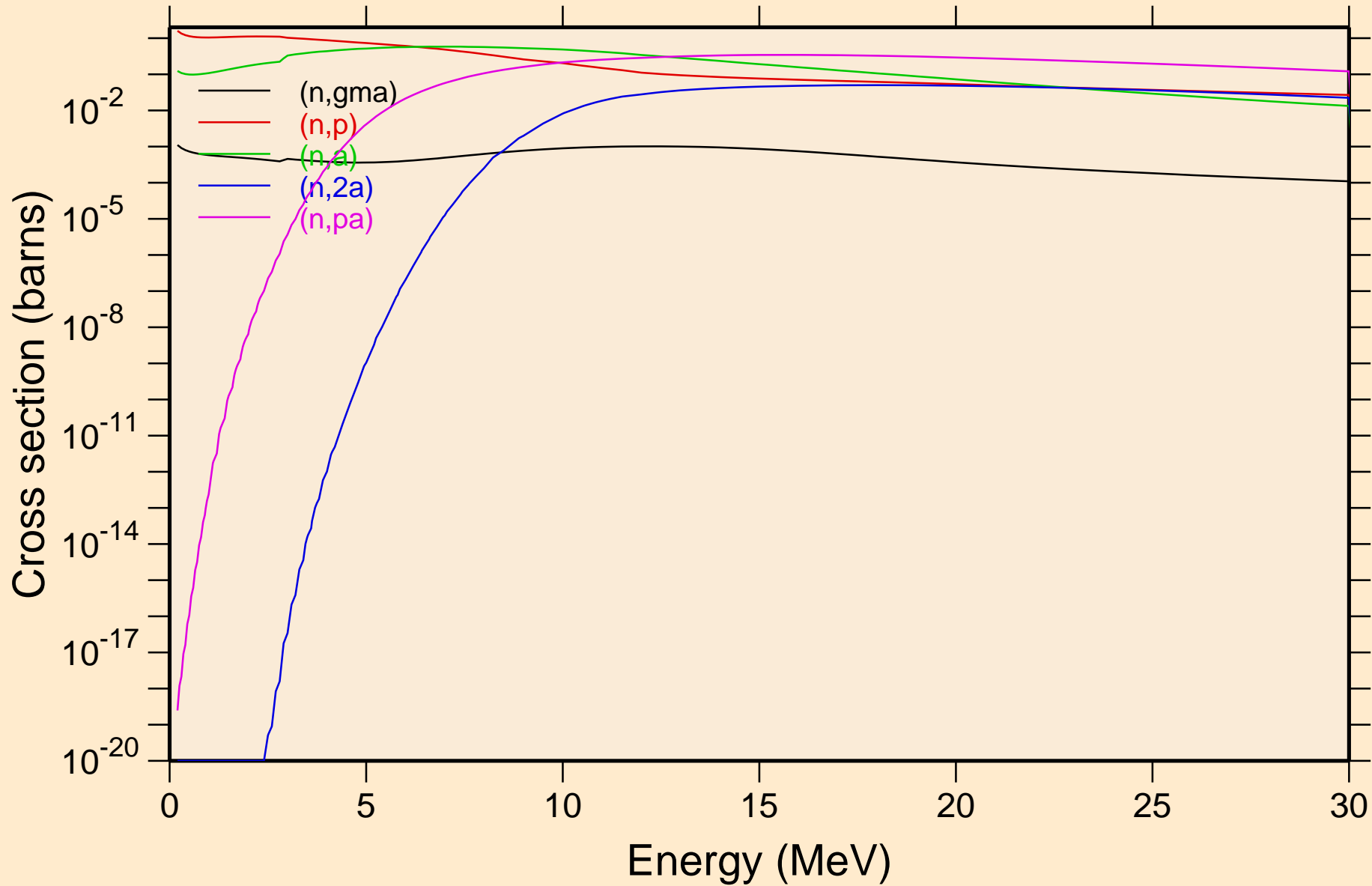


# SC042M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

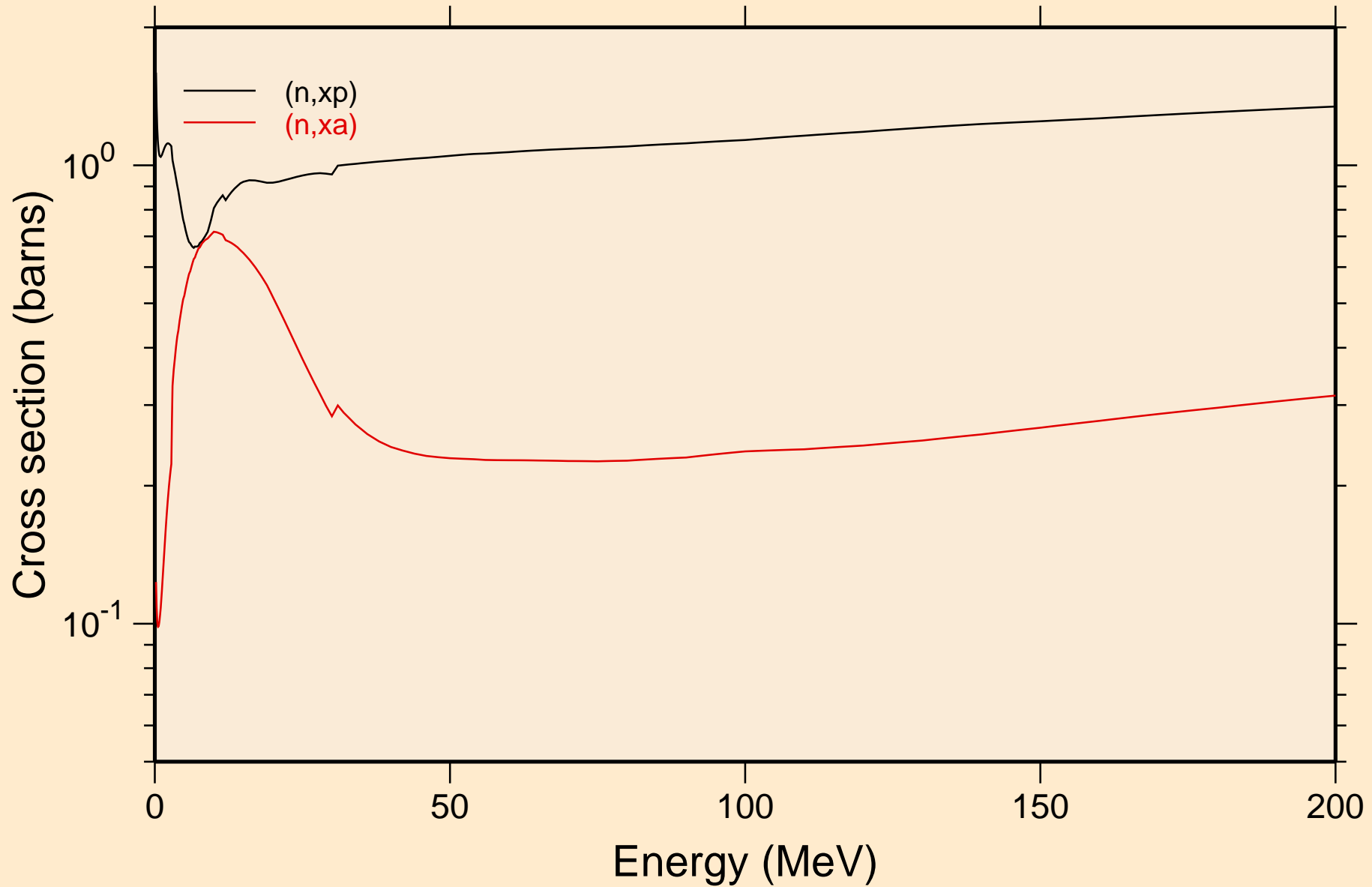
## Damage



SC042M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

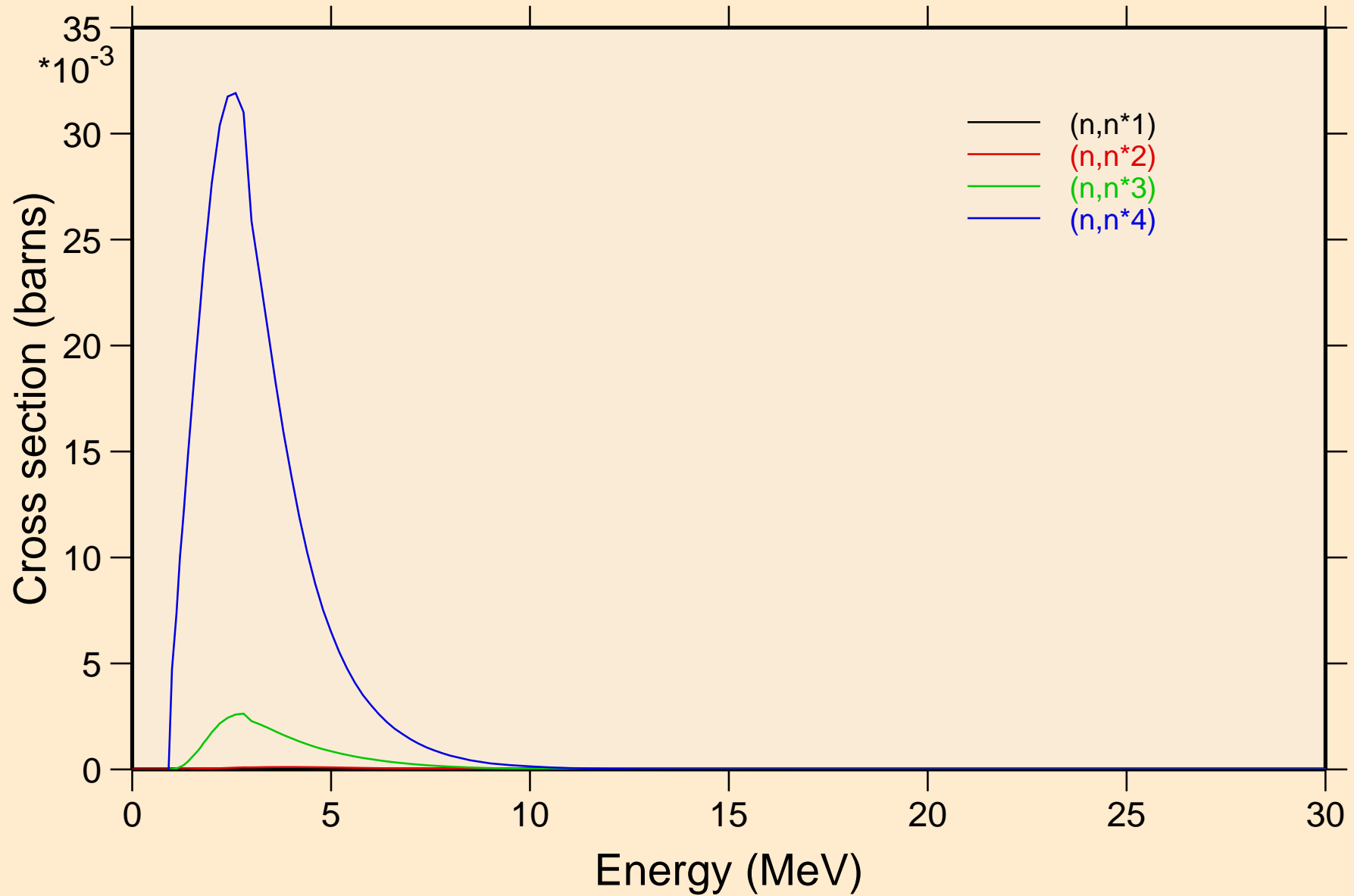


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Non-threshold reactions



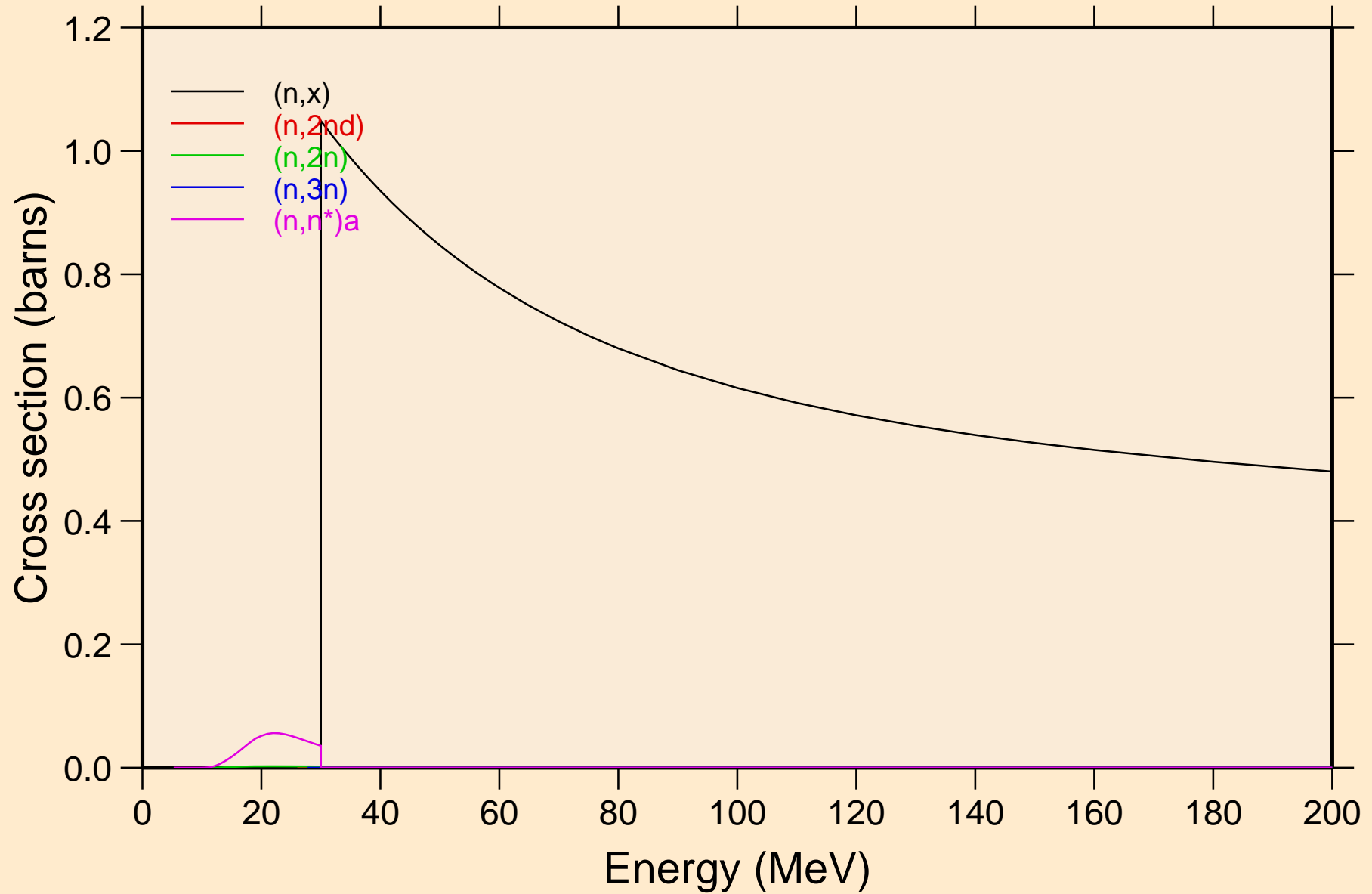


SC042M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

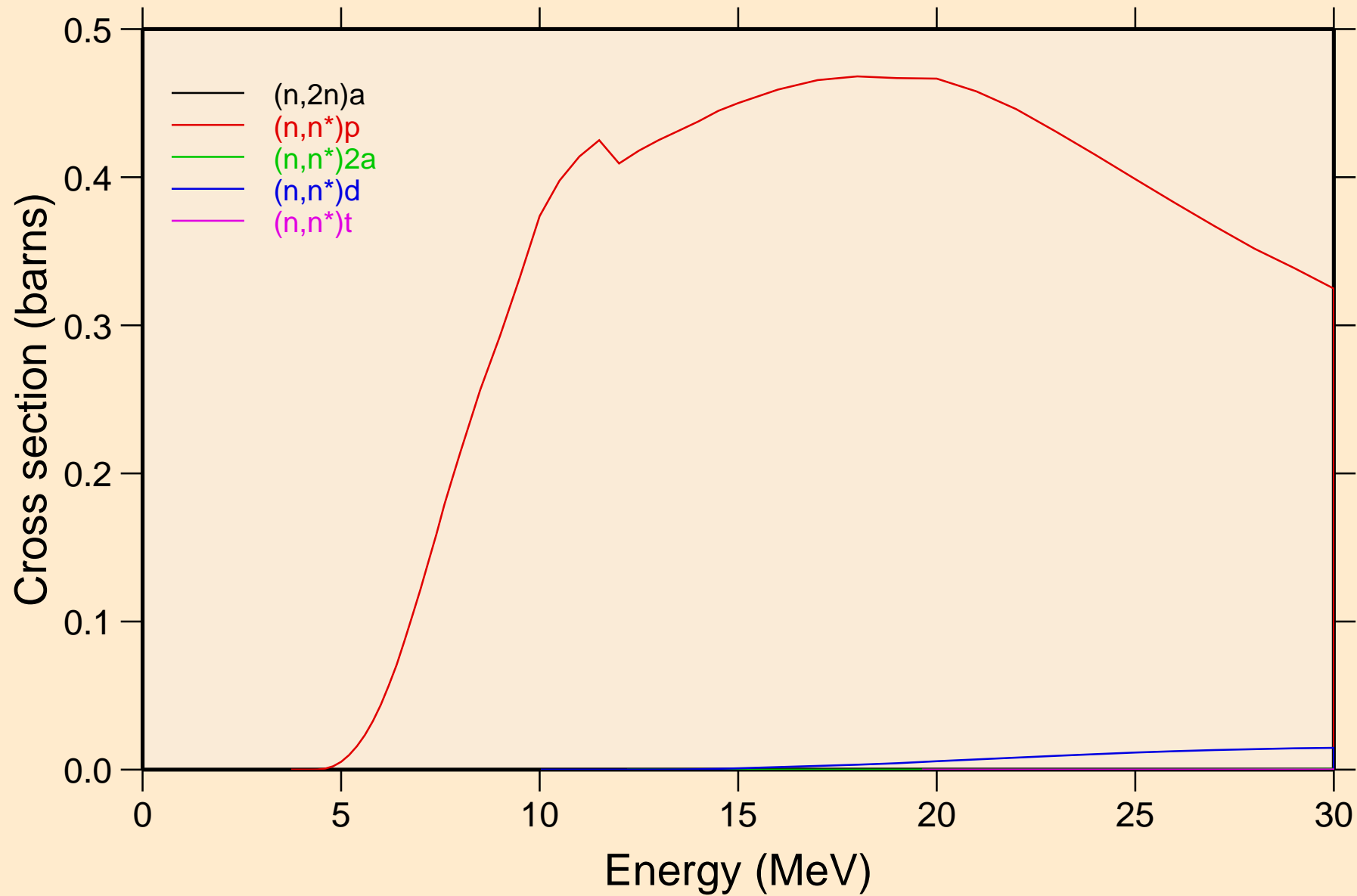


# SC042M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions

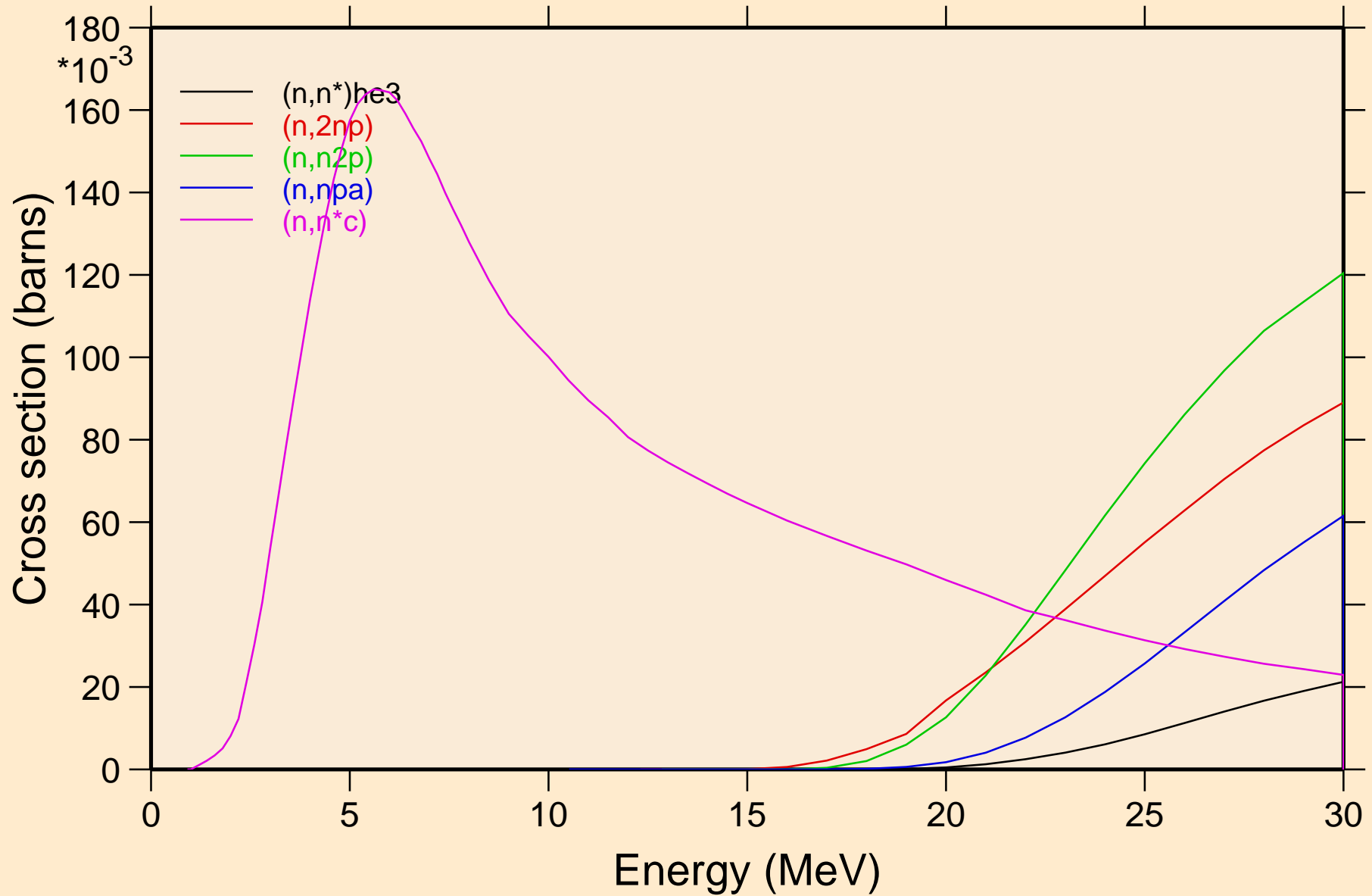


SC042M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

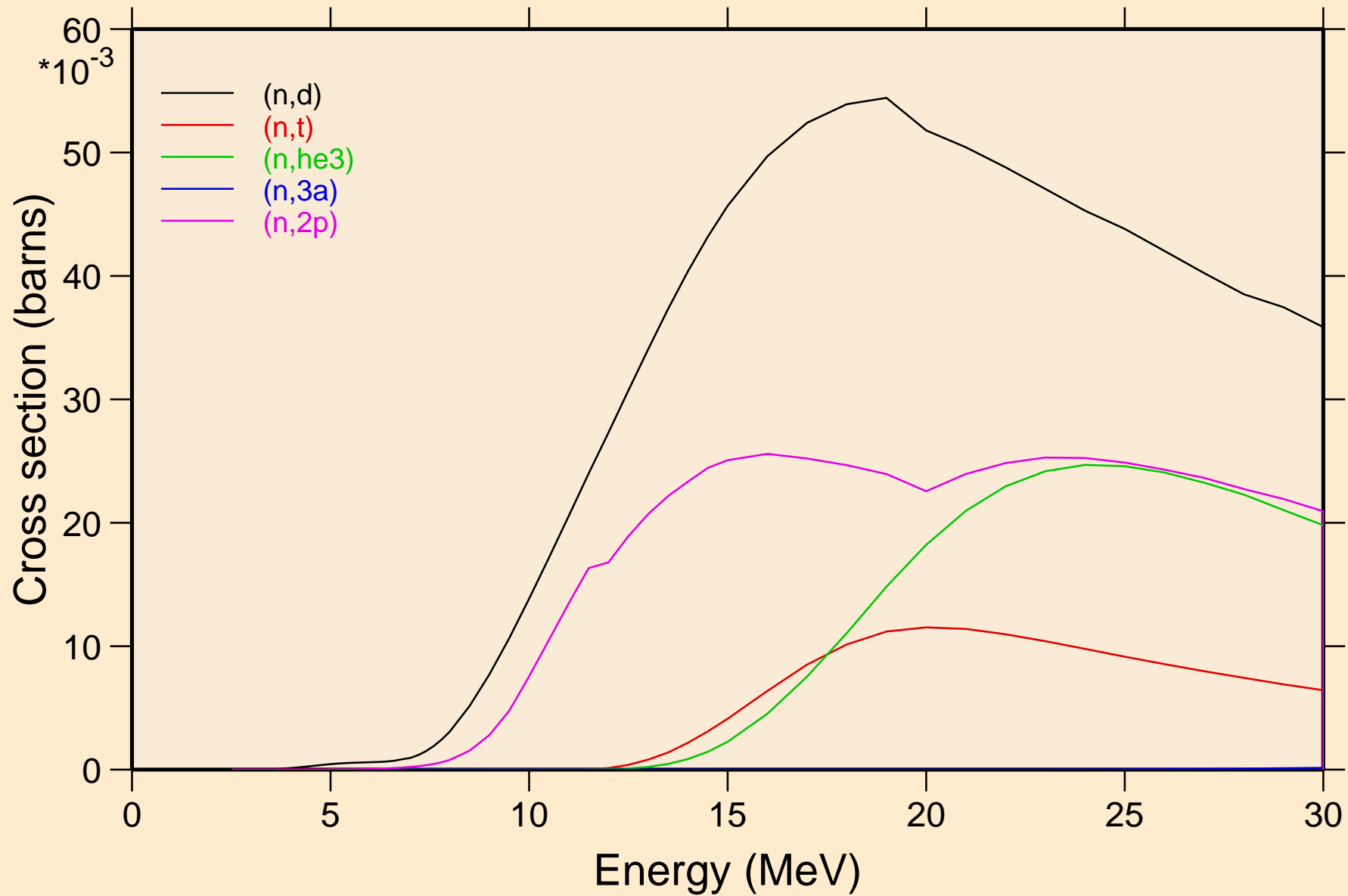


# SC042M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions

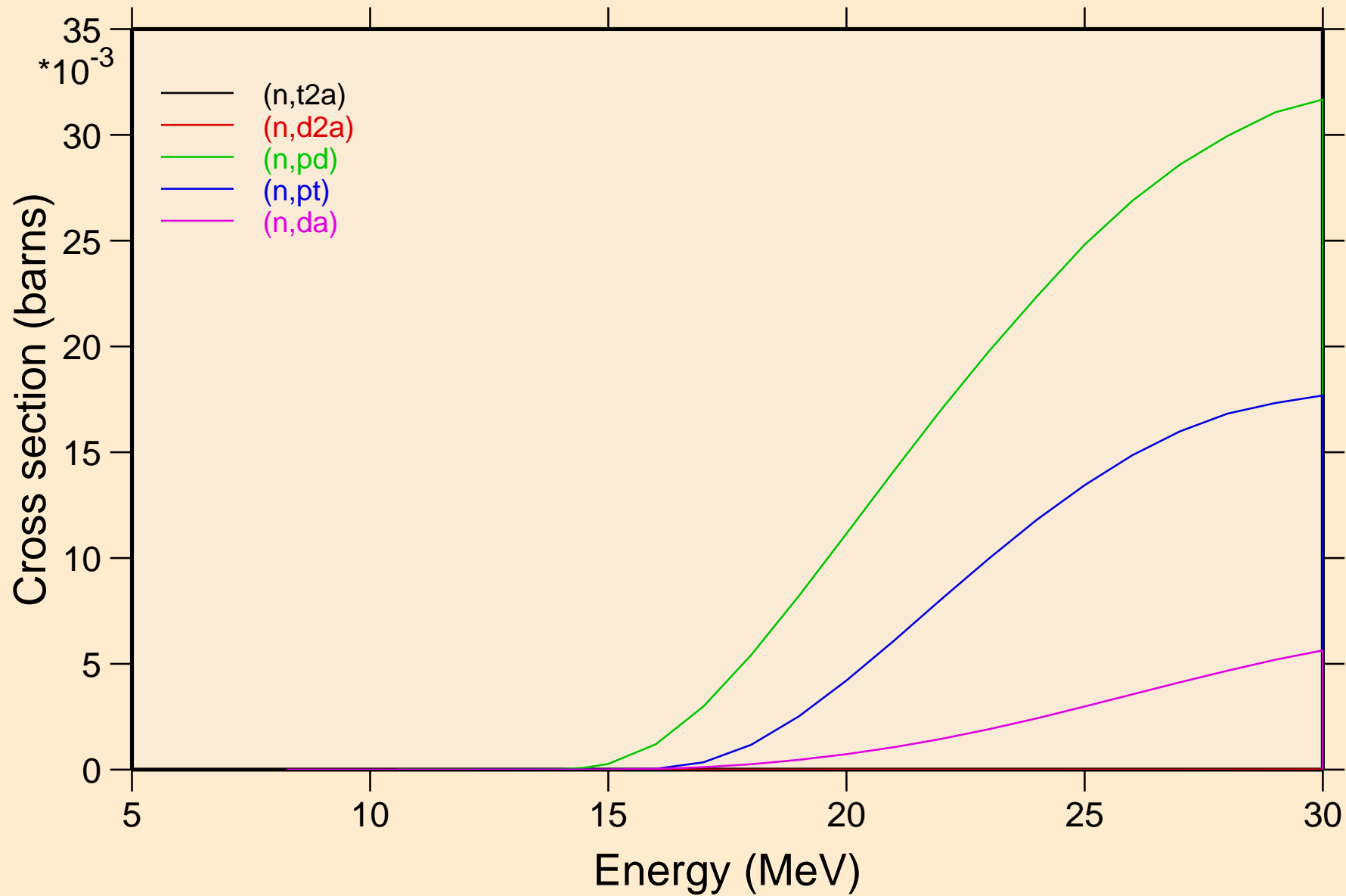


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Threshold reactions



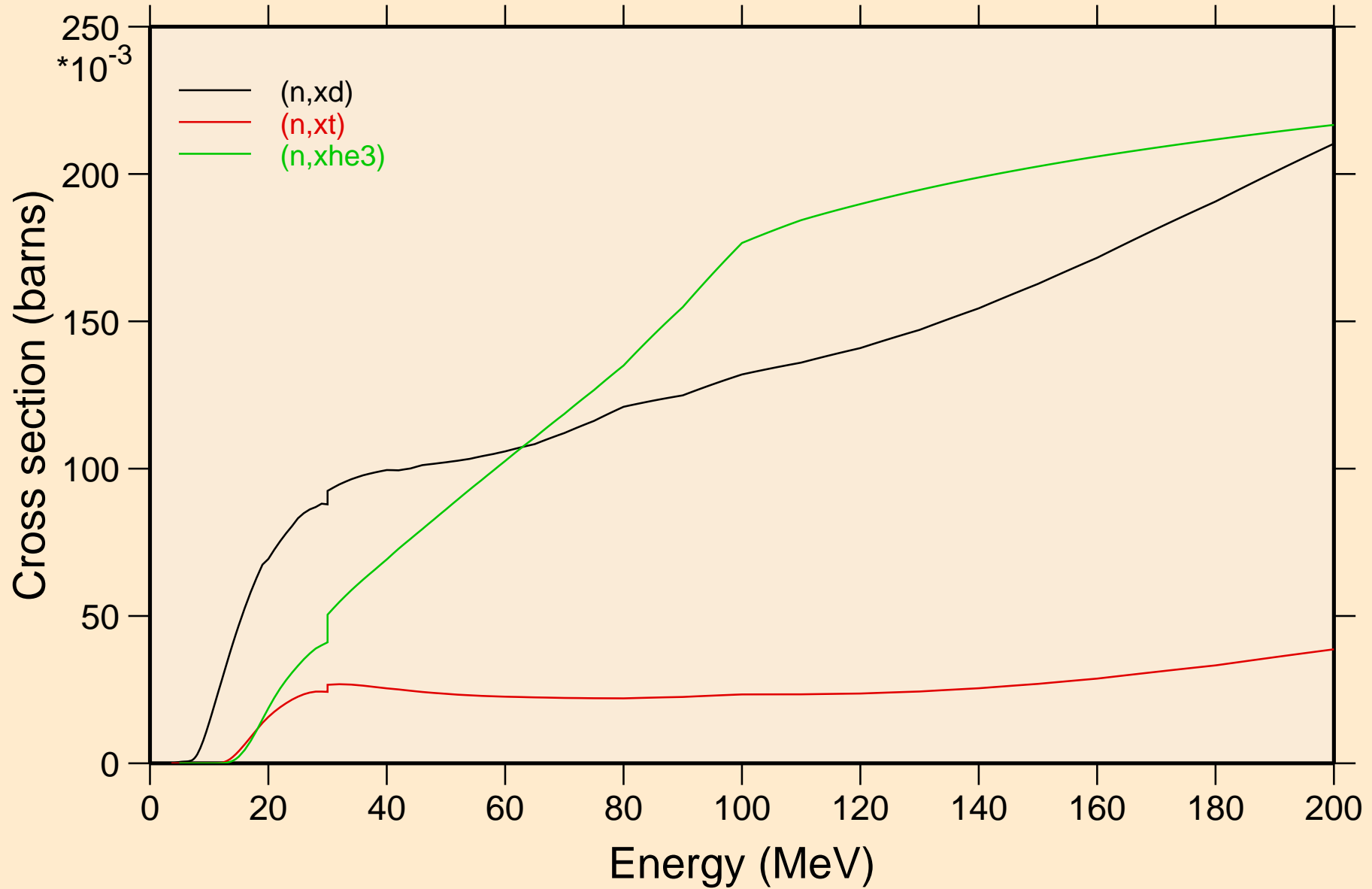
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## Threshold reactions

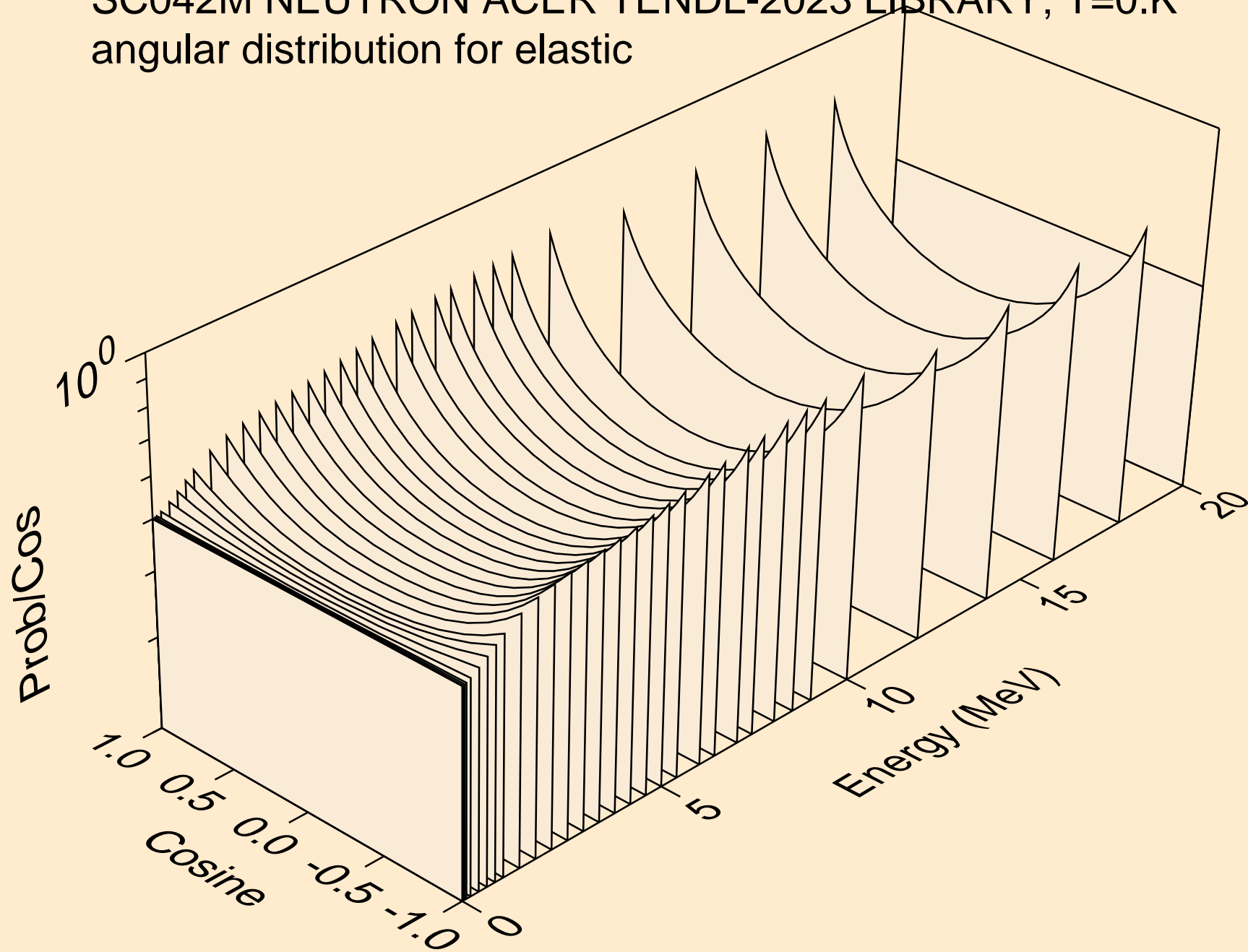


# SC042M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions

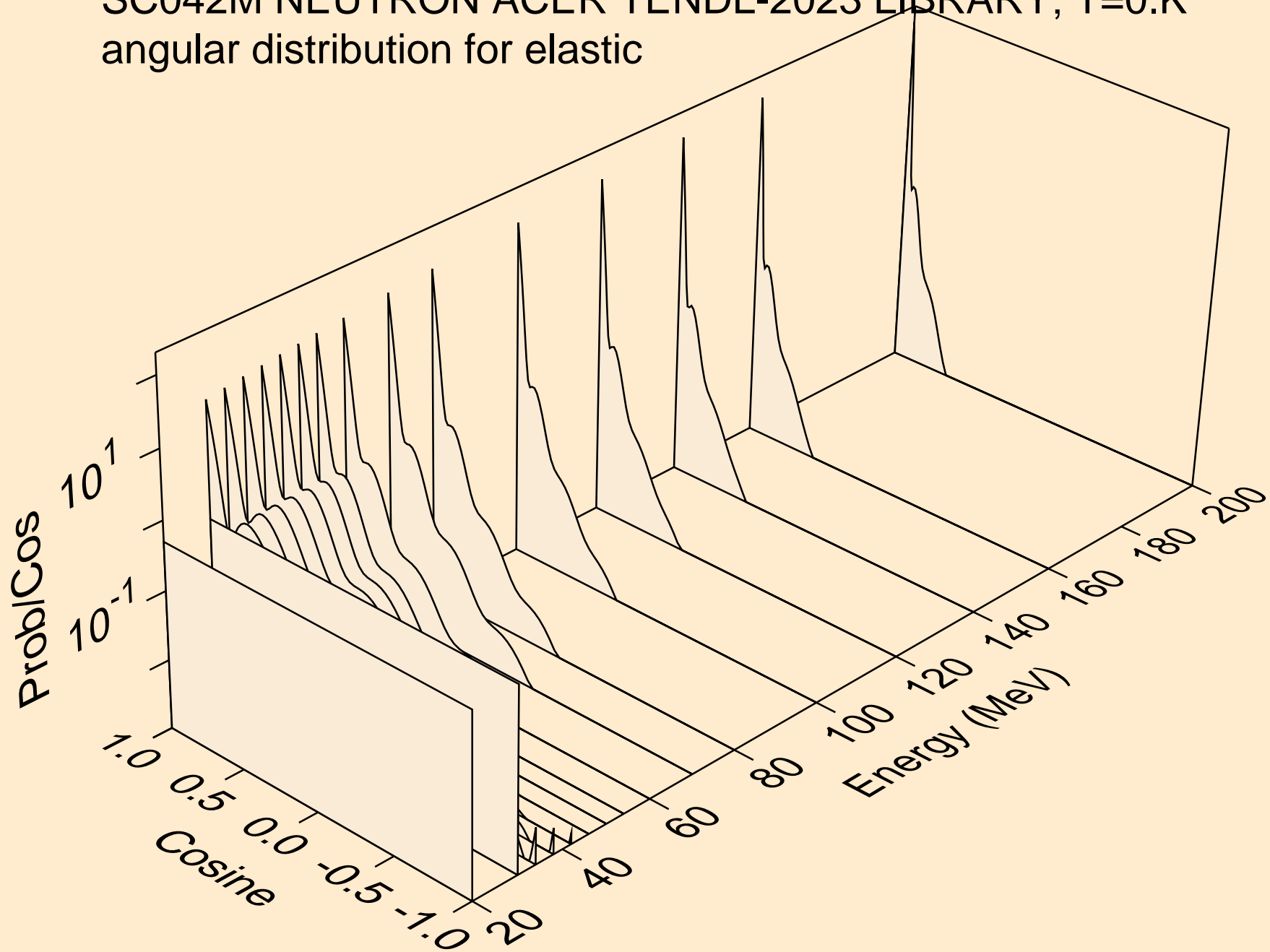


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angular distribution for elastic

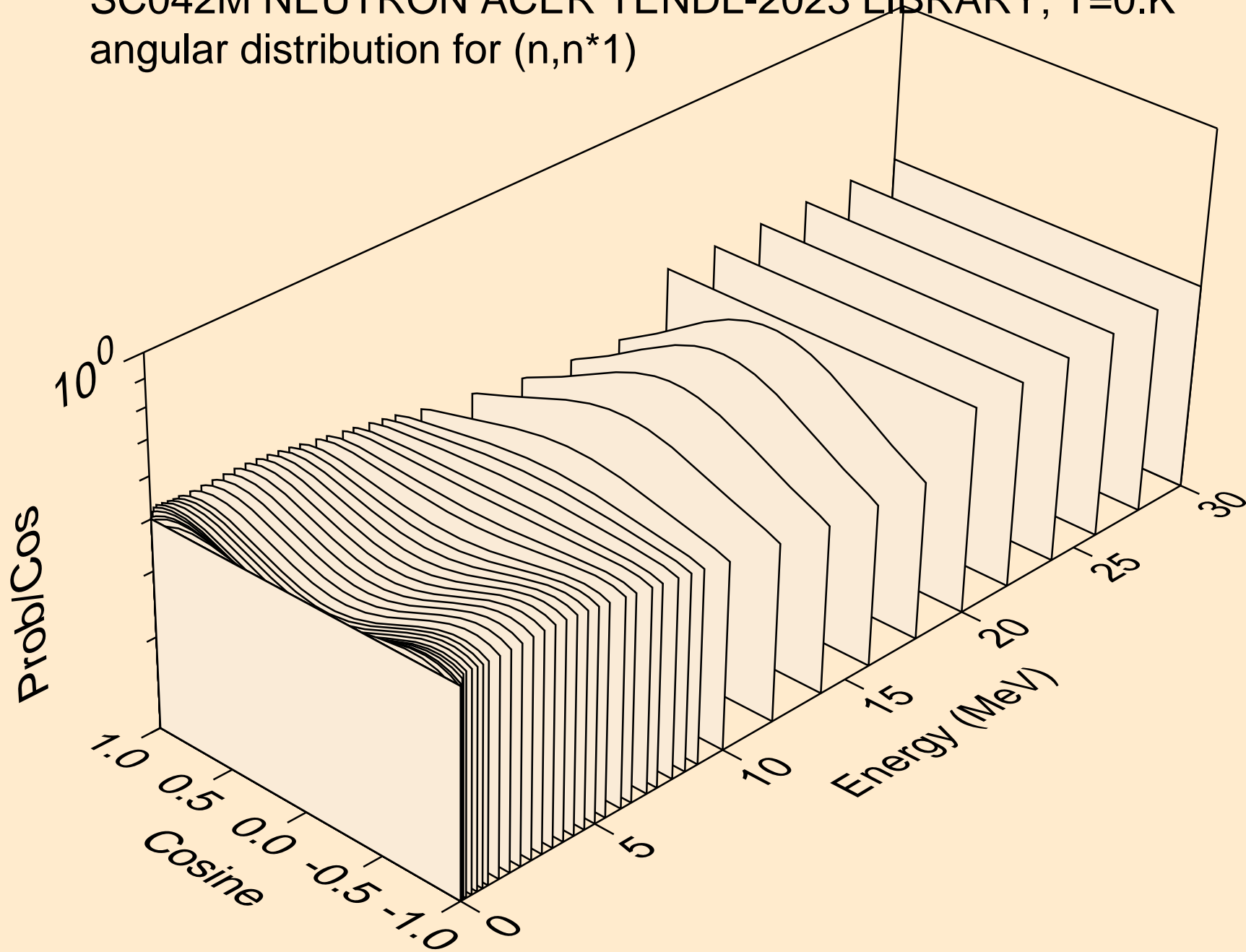




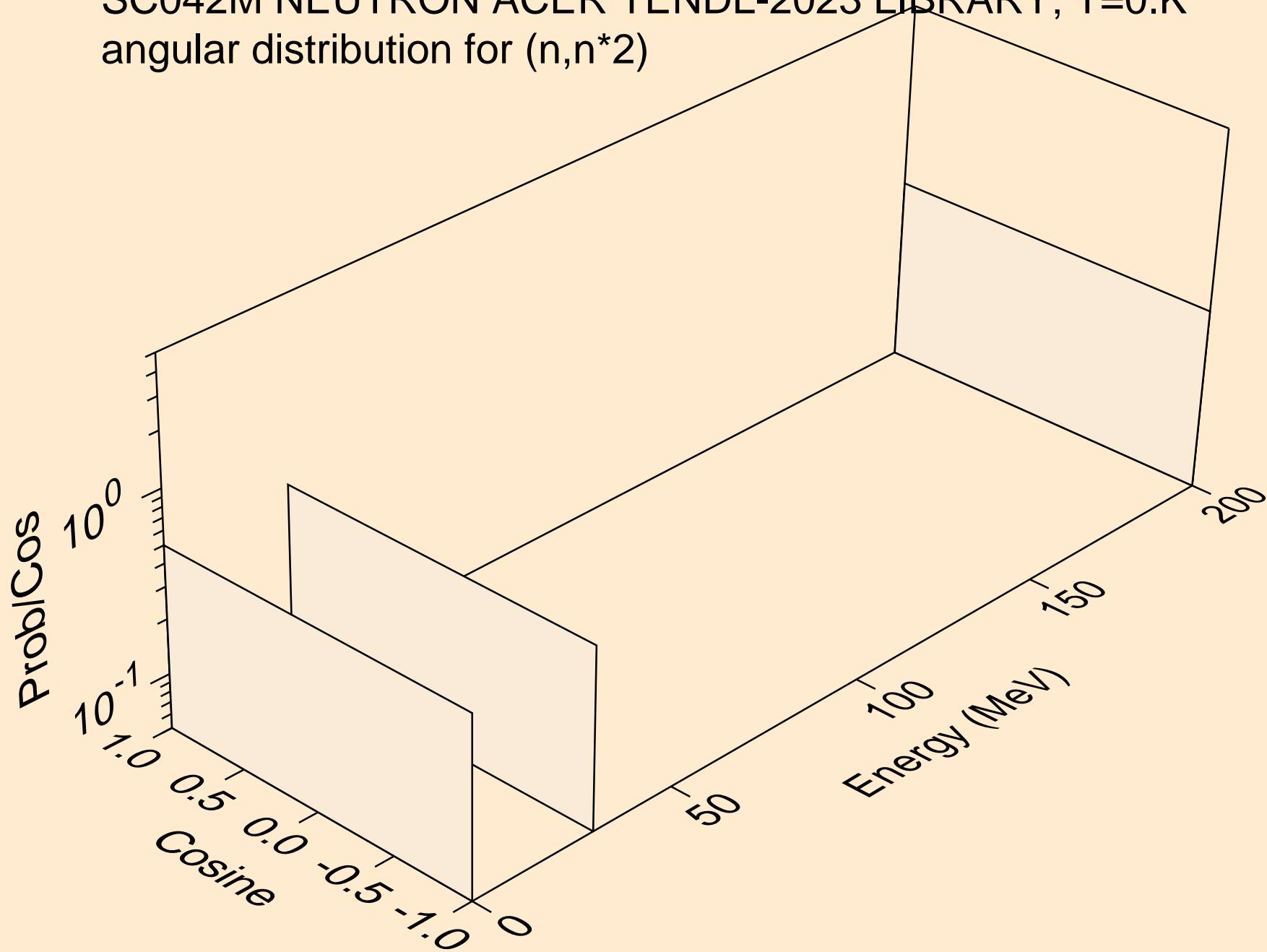
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angular distribution for elastic



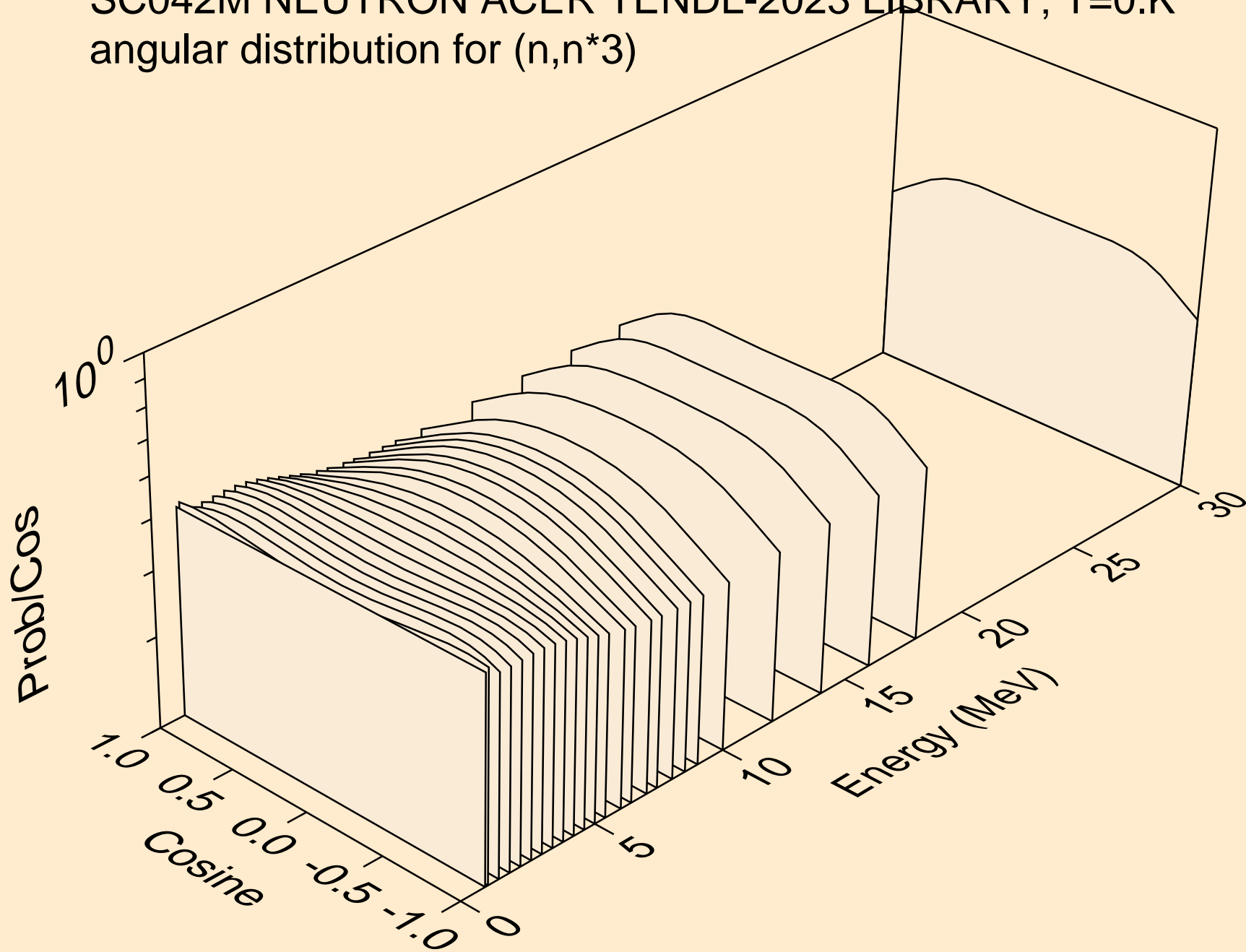
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angular distribution for (n,n\*1)



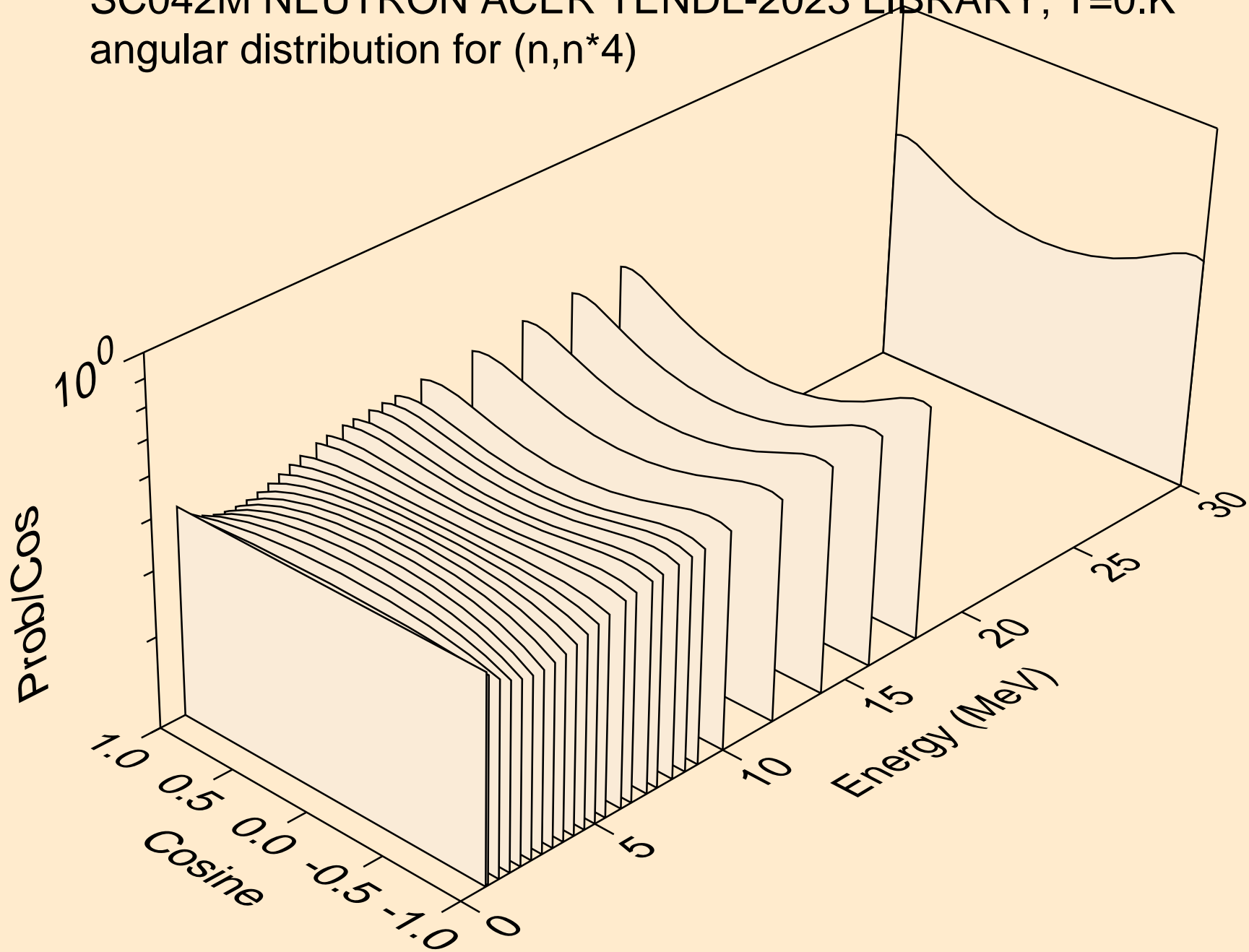
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angular distribution for (n,n\*2)



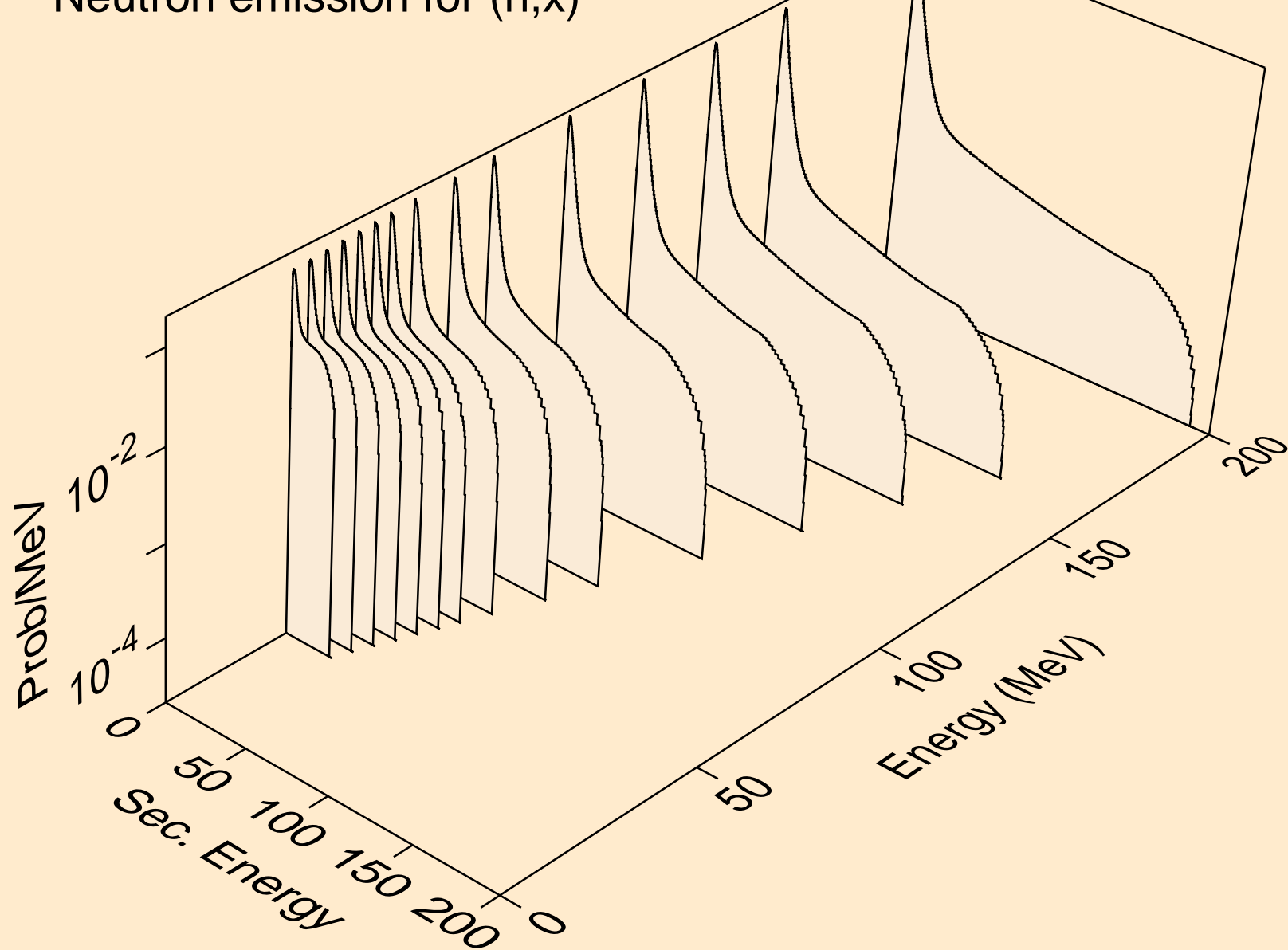
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angular distribution for (n,n\*3)



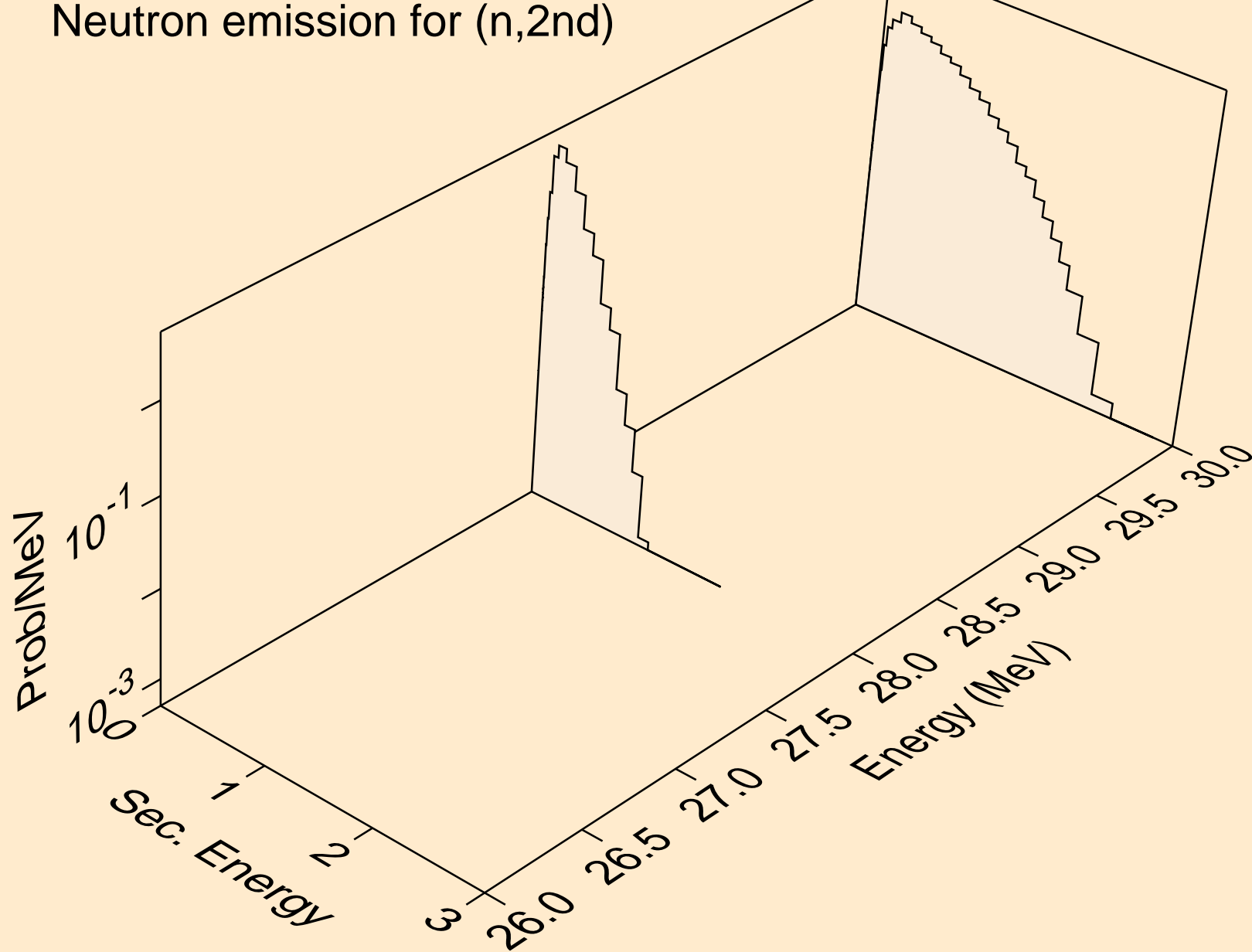
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angular distribution for (n,n\*4)



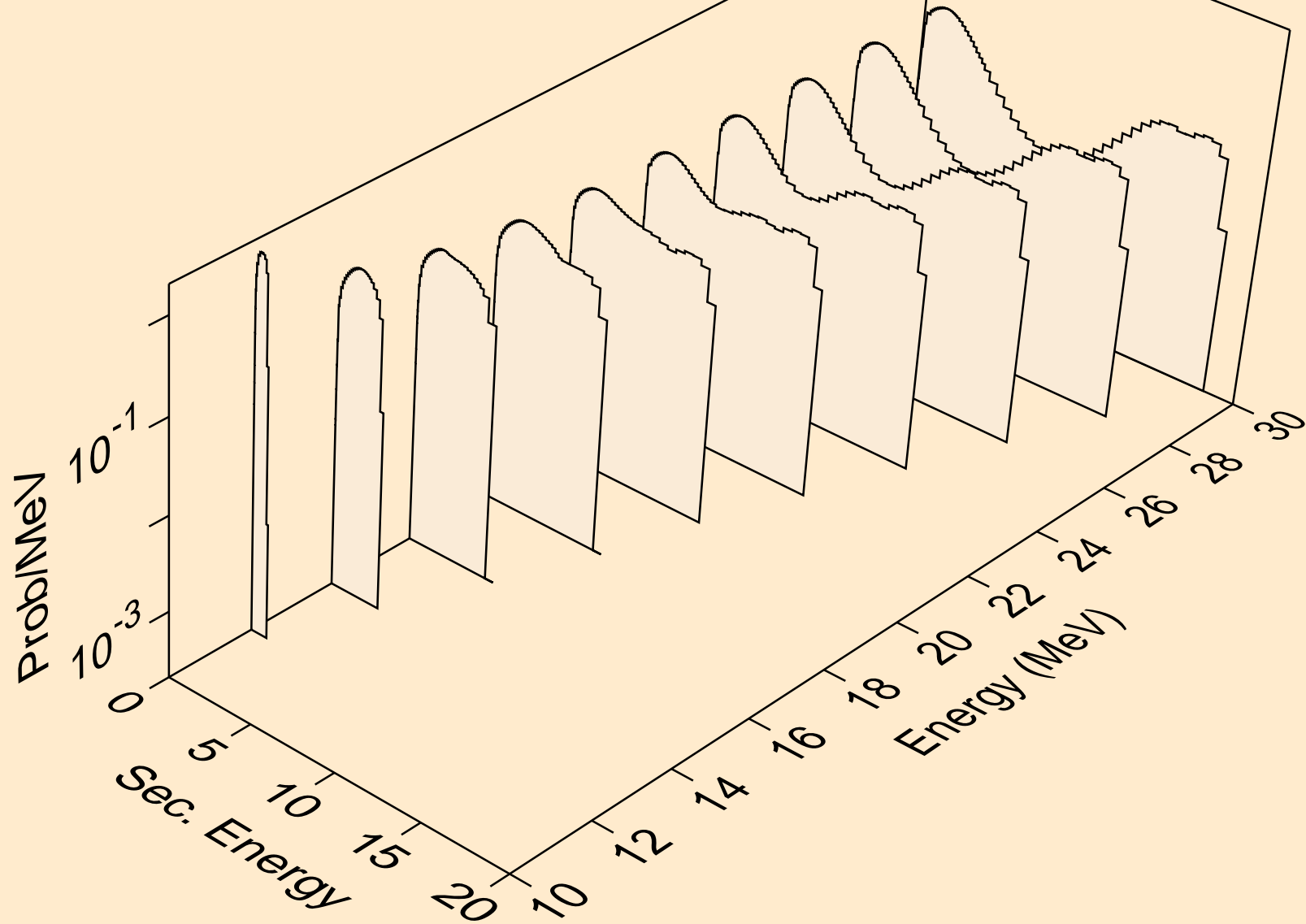
SC042M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,x)



SC042M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2nd)

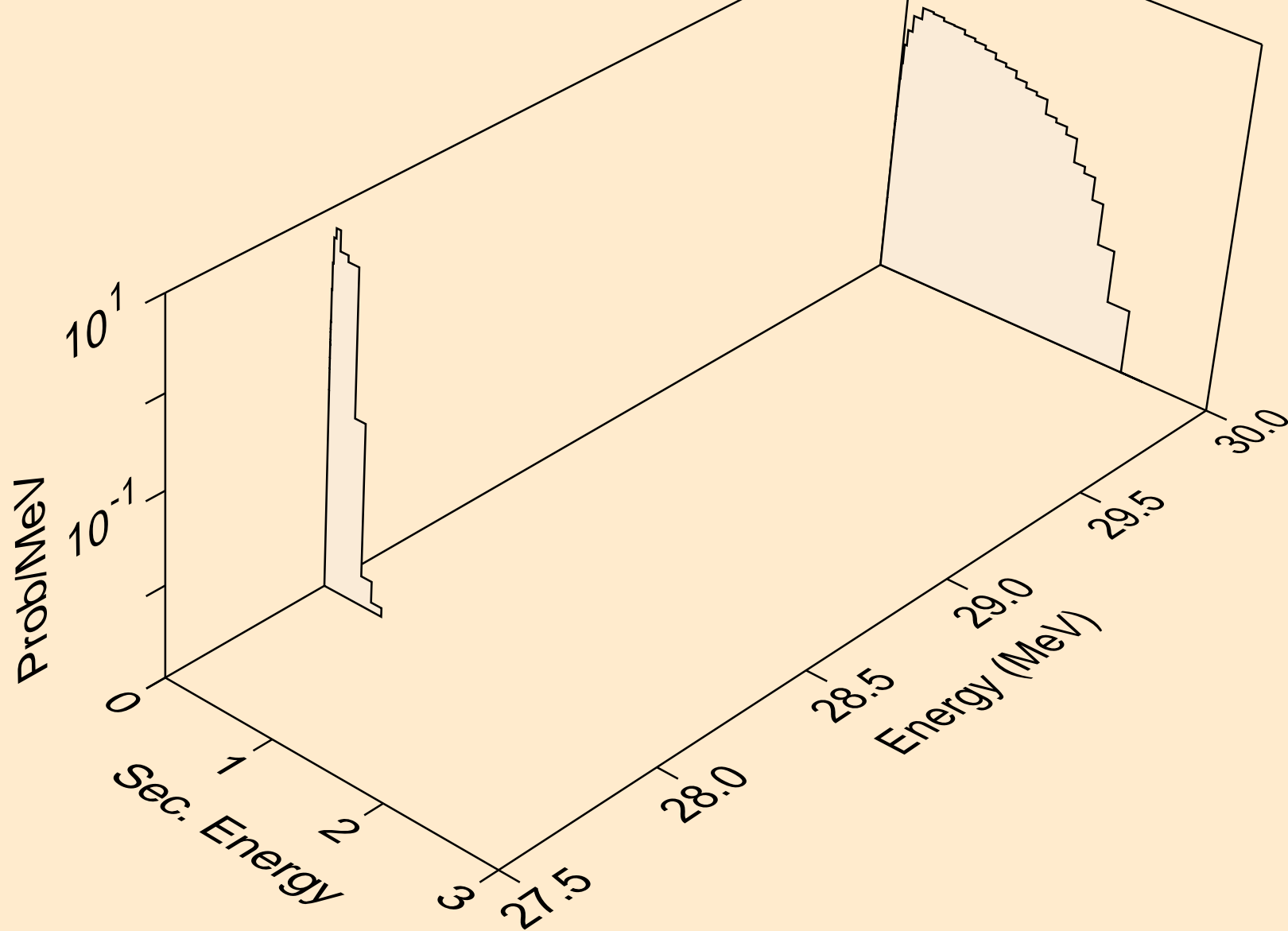


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Neutron emission for (n,2n)

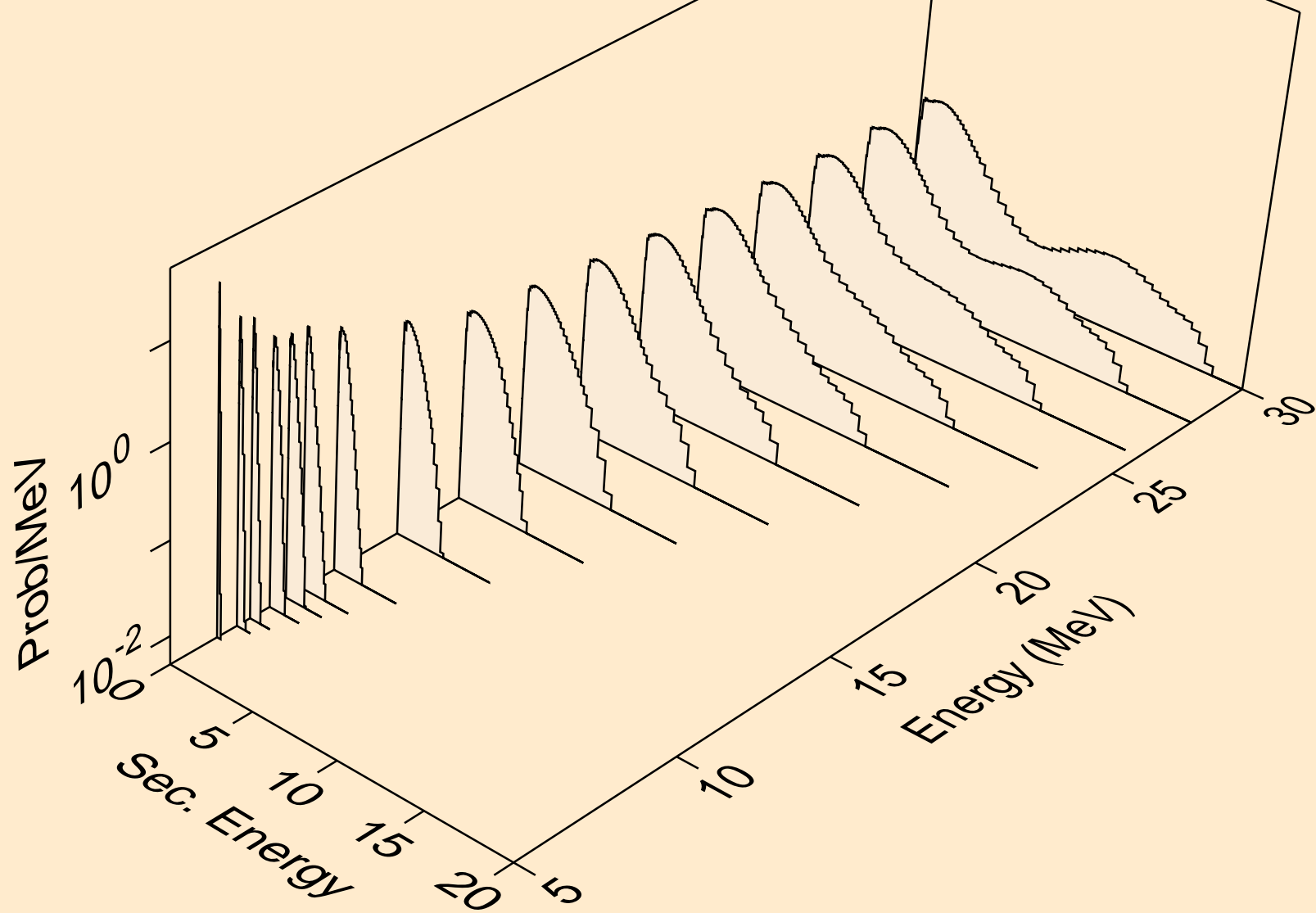




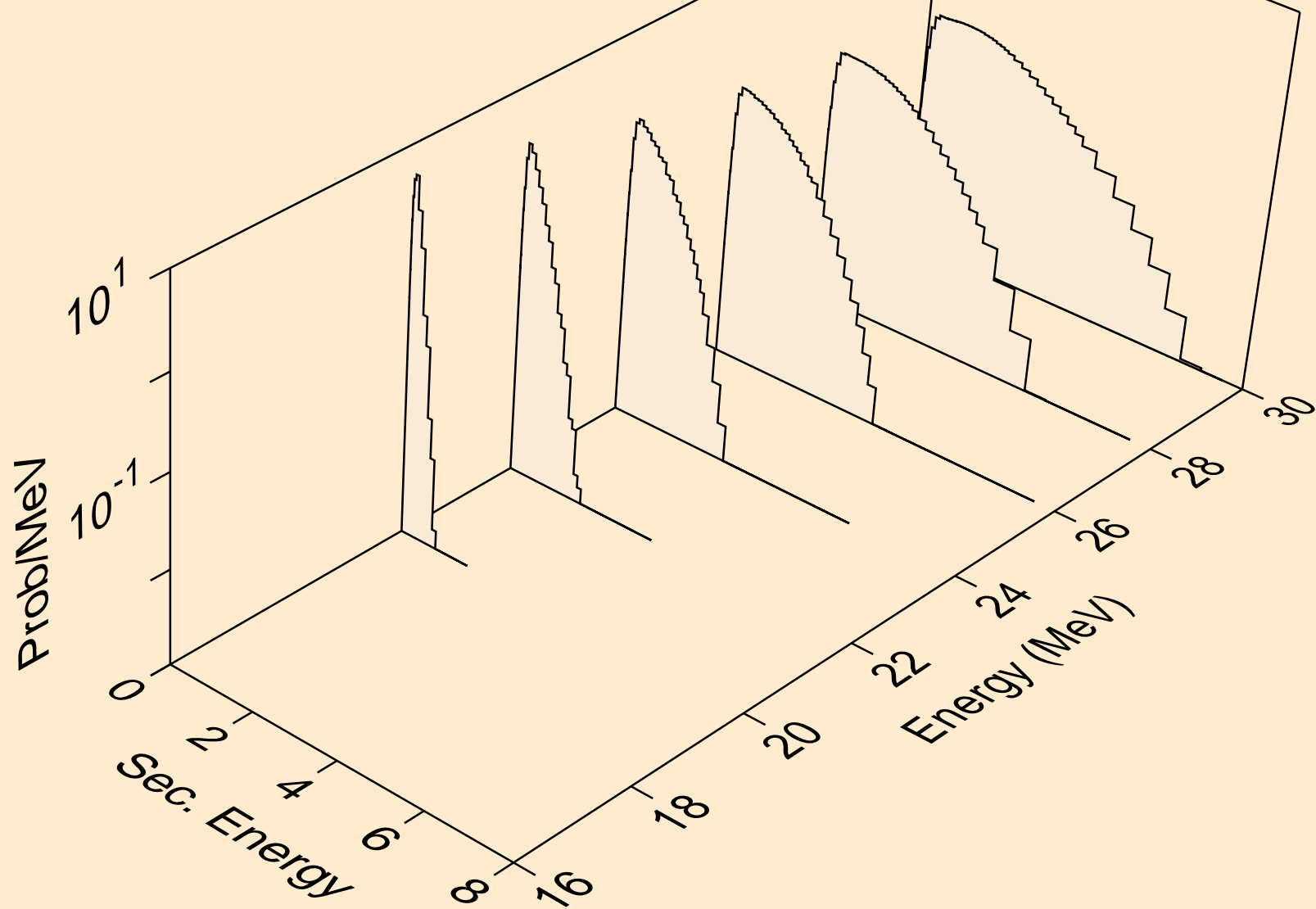
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Neutron emission for (n,3n)



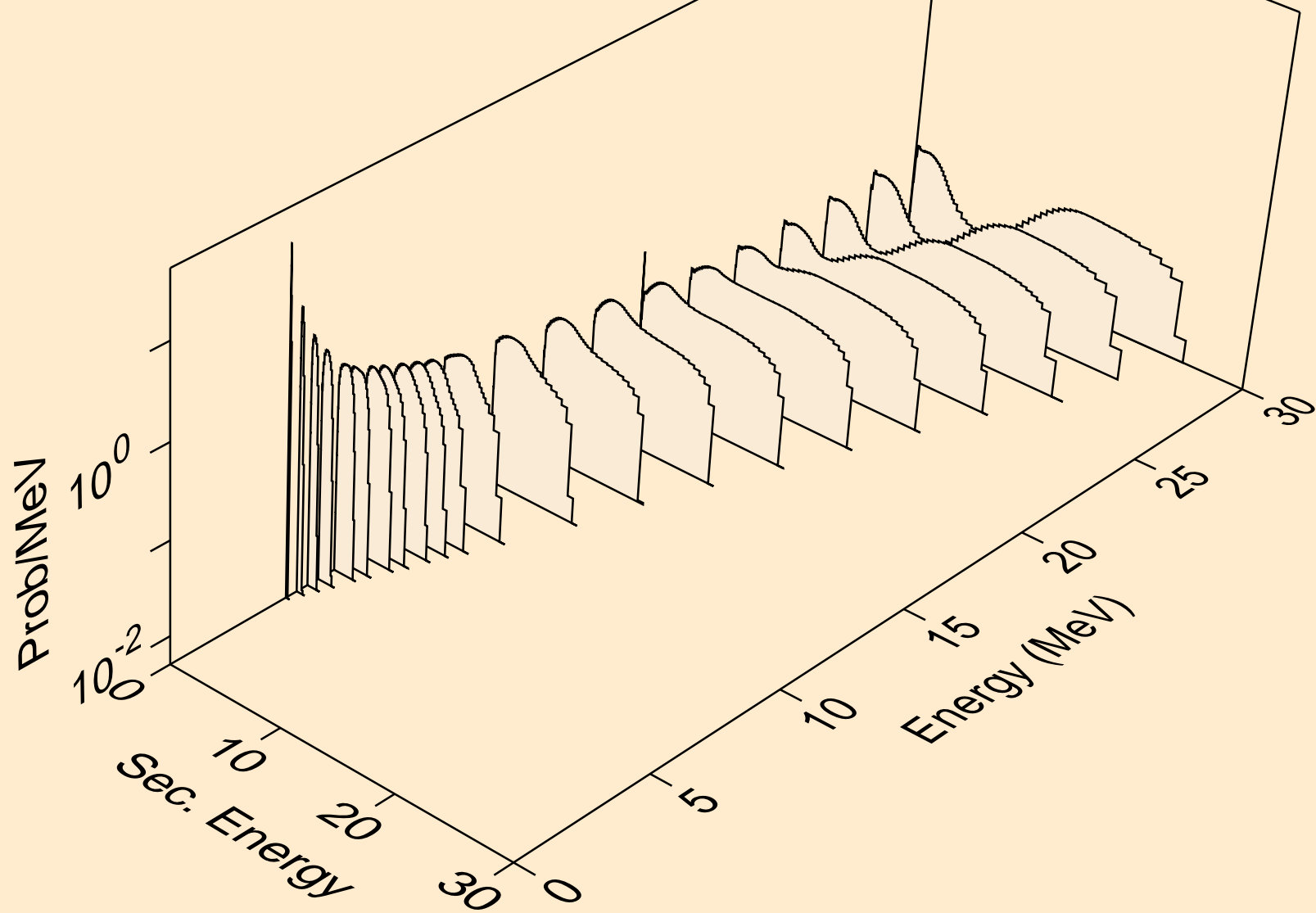
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Neutron emission for (n,n\*)a



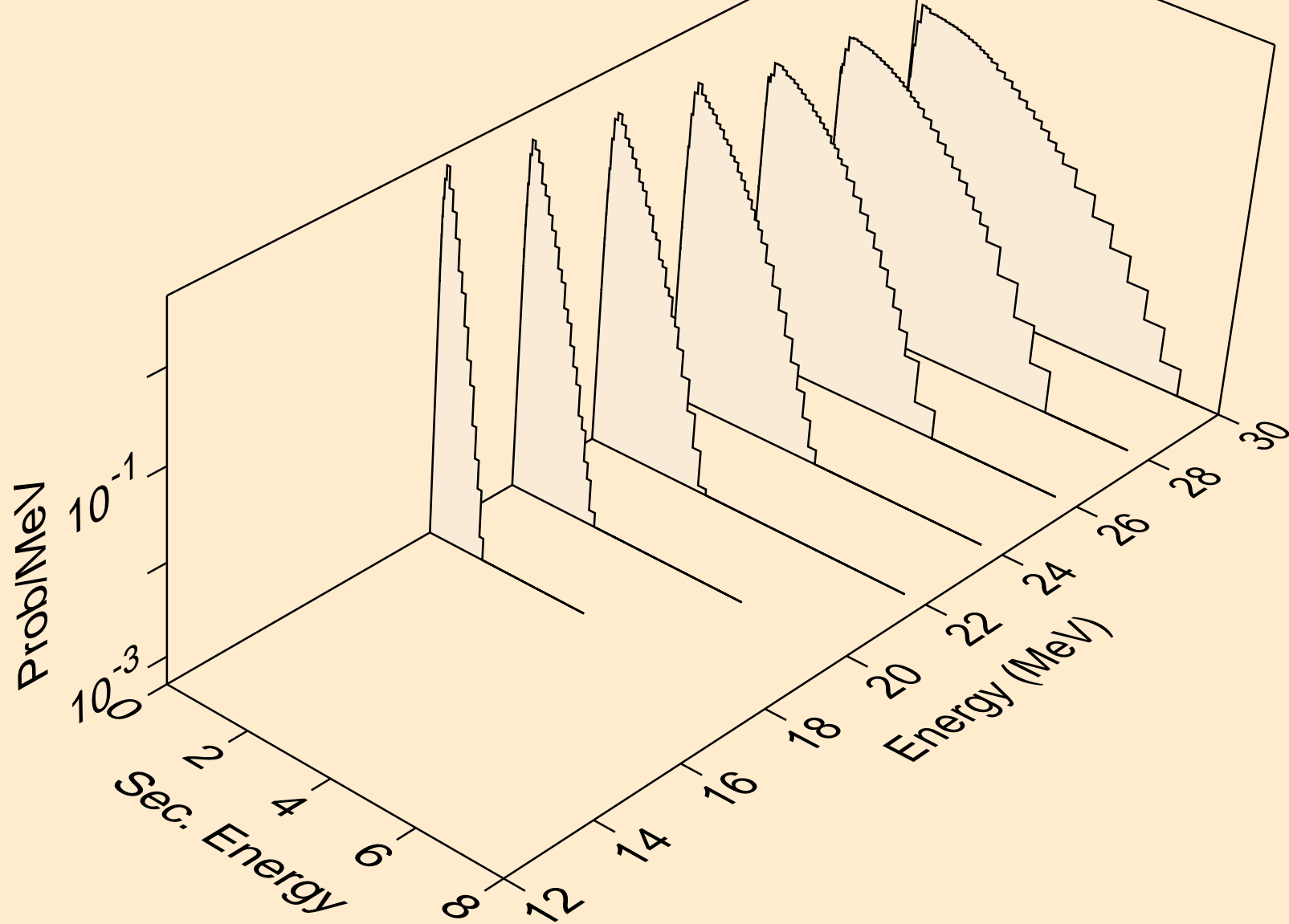
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Neutron emission for (n,2n)a



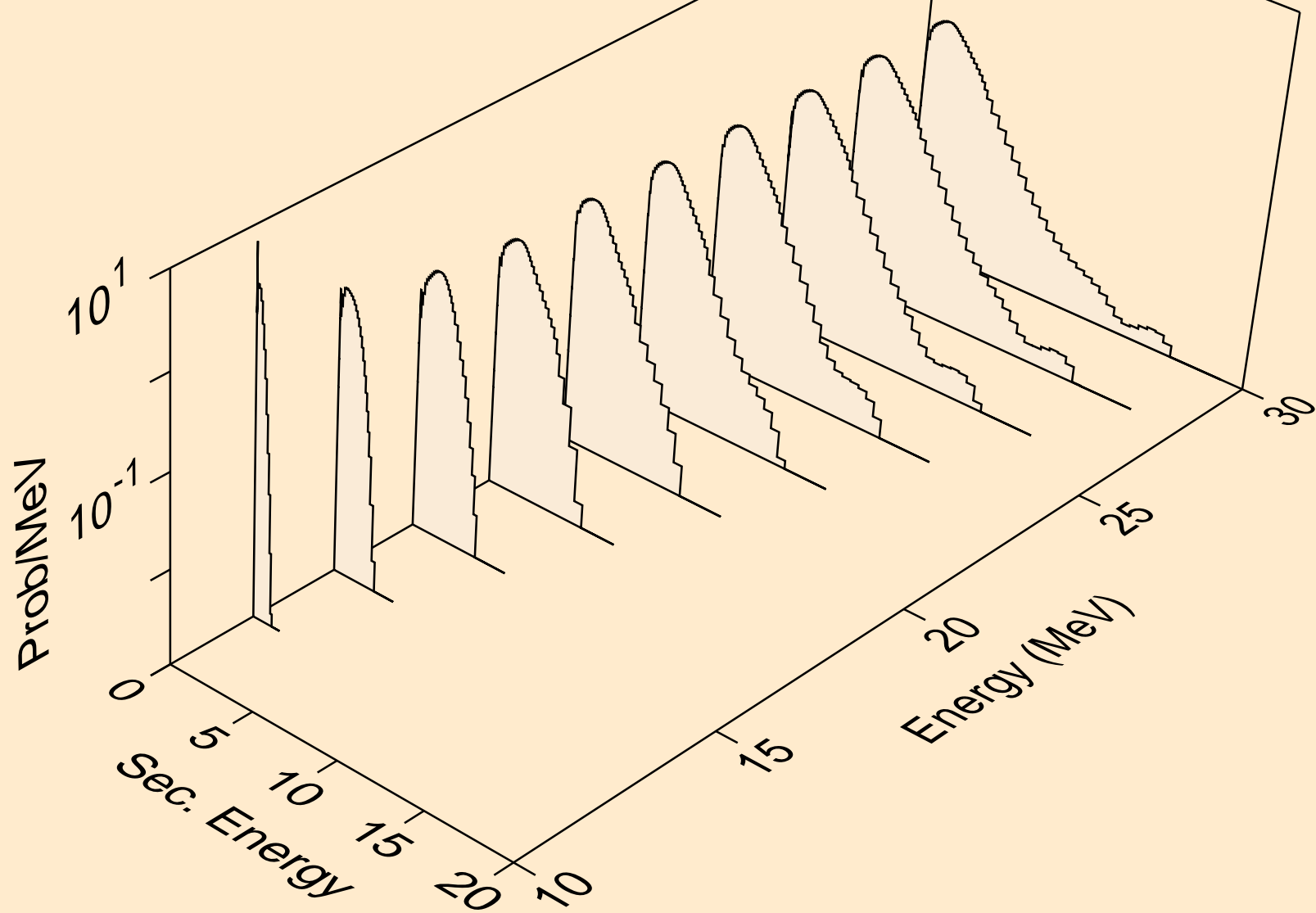
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Neutron emission for (n,n\*)p



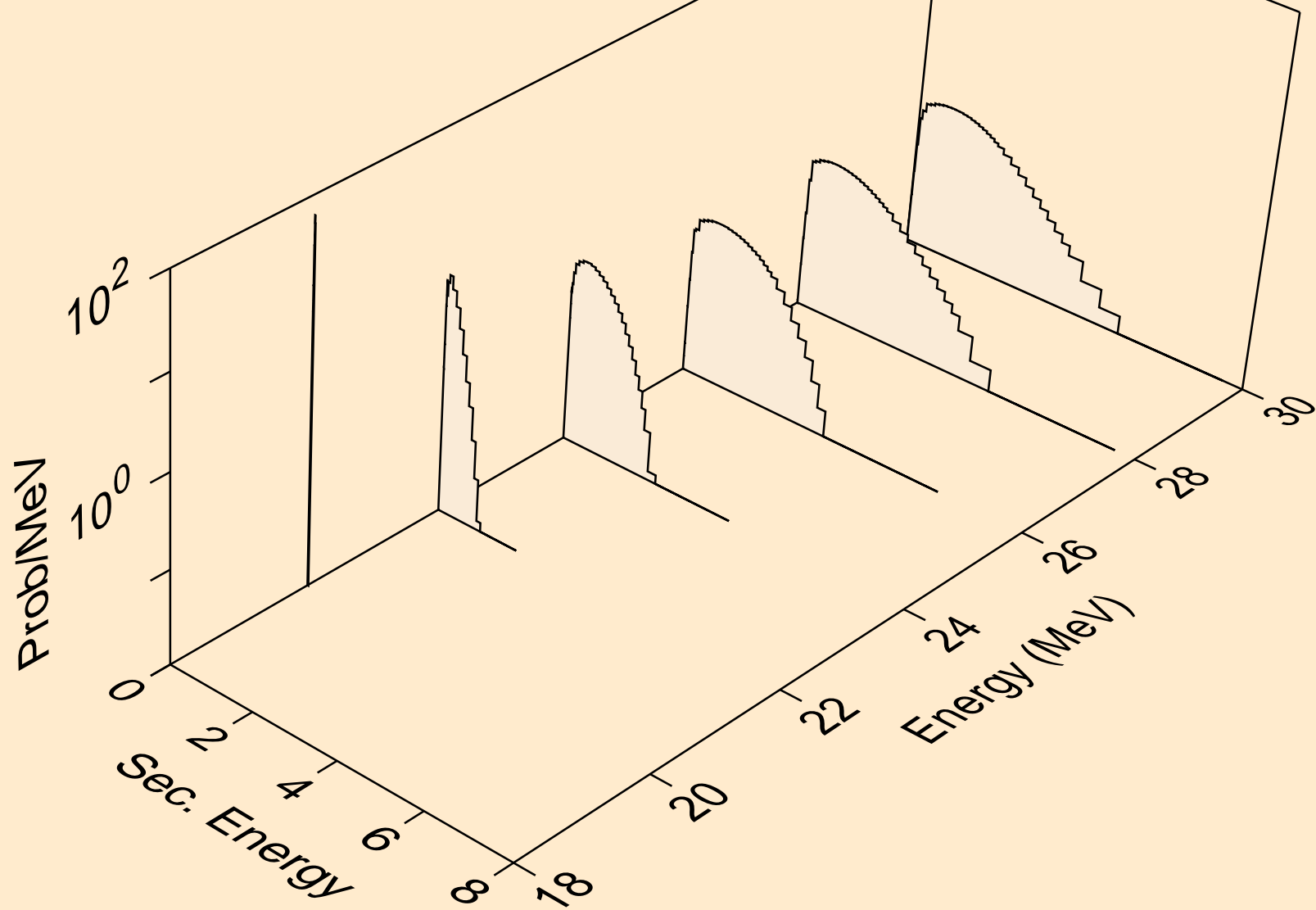
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Neutron emission for (n,n\*)2a



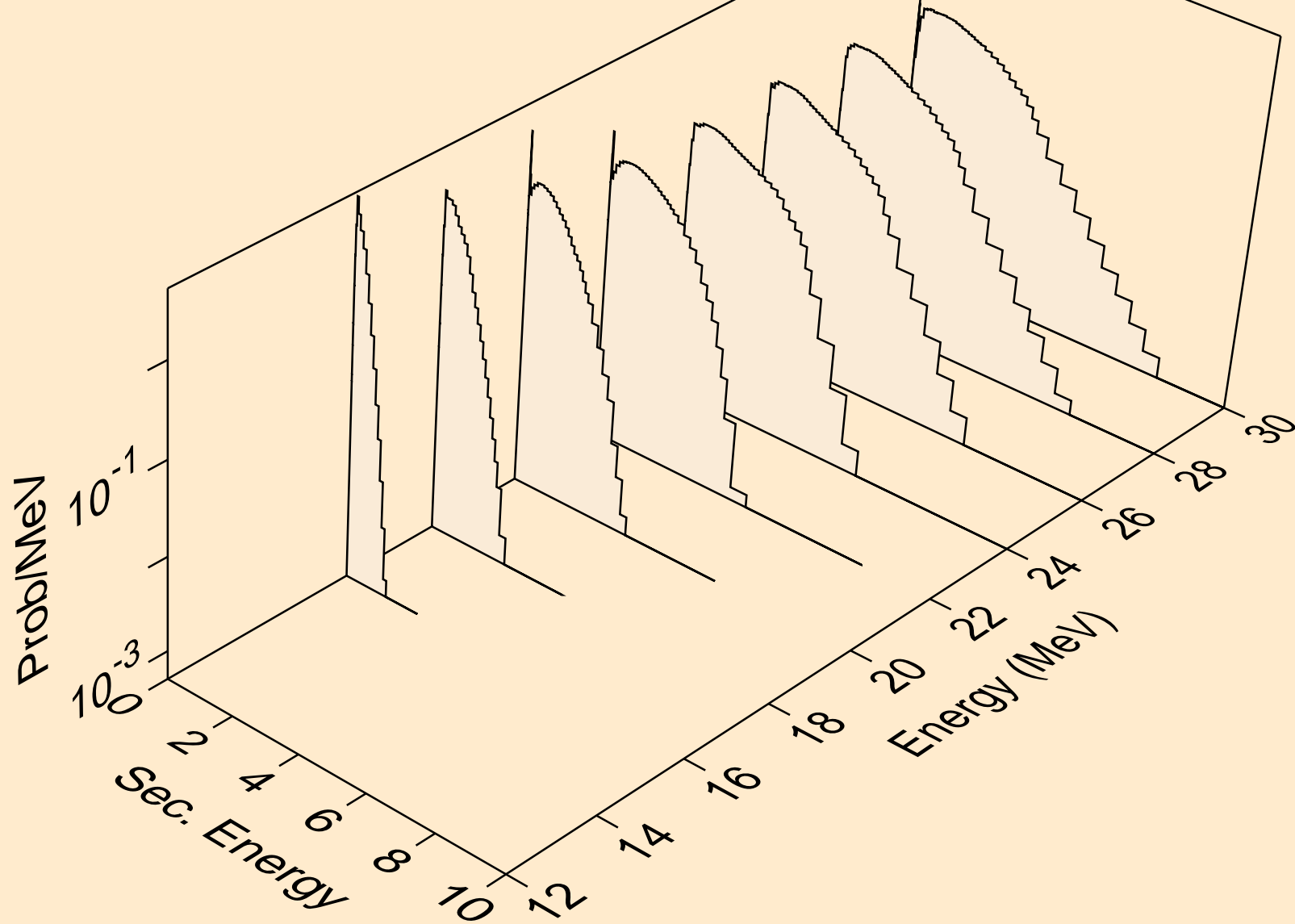
SC042M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d



SC042M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t

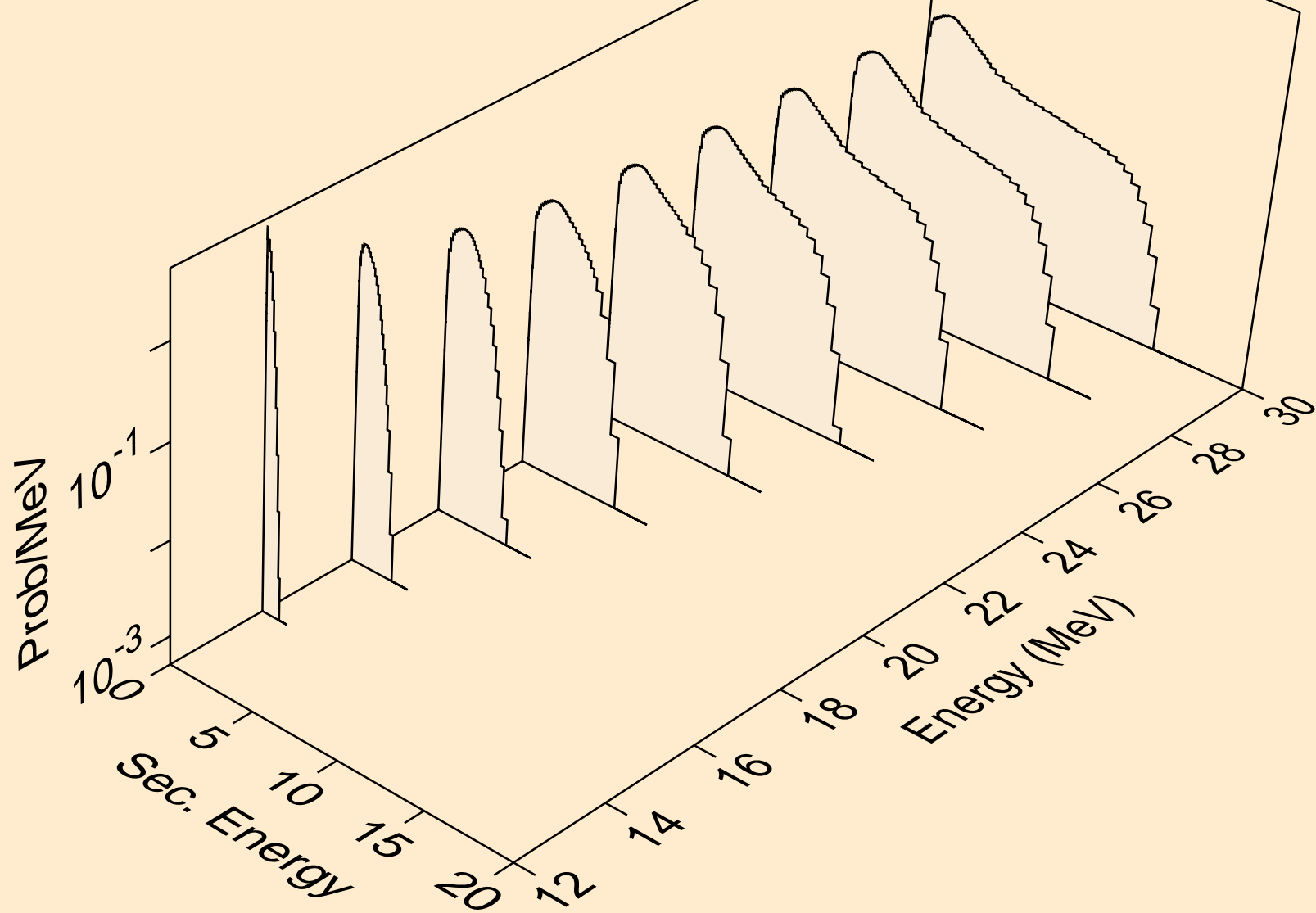


SC042M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3

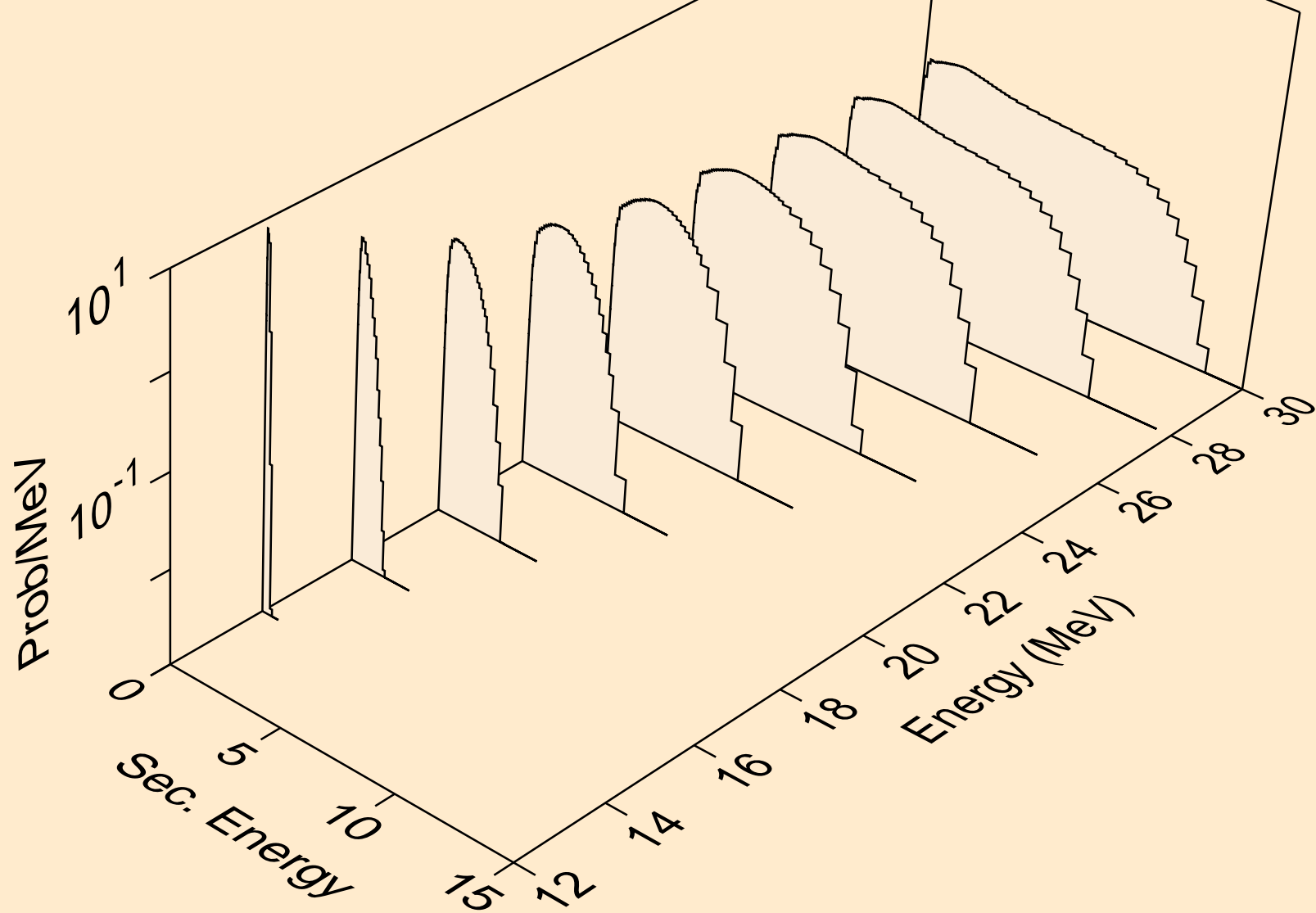




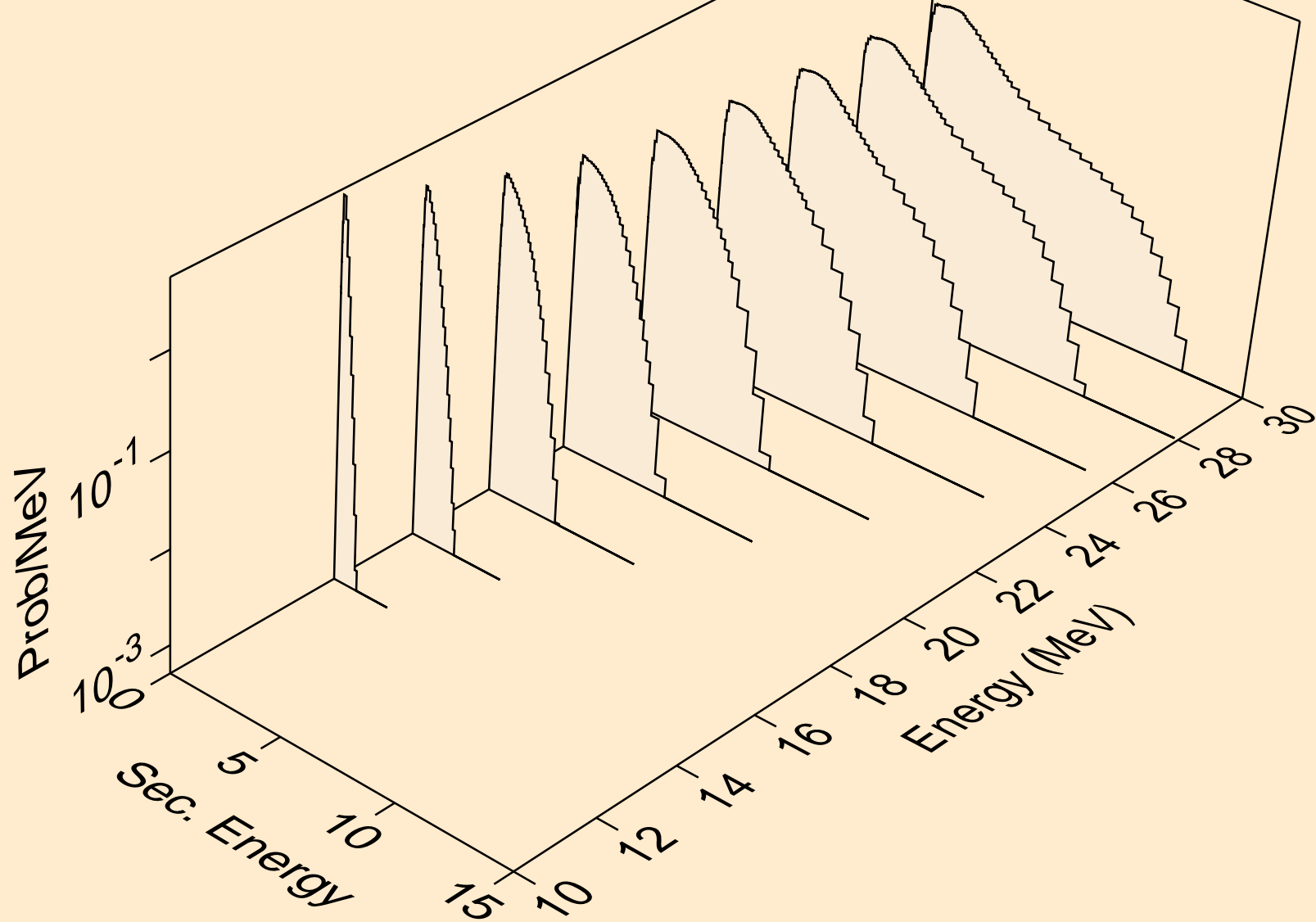
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Neutron emission for (n,2np)



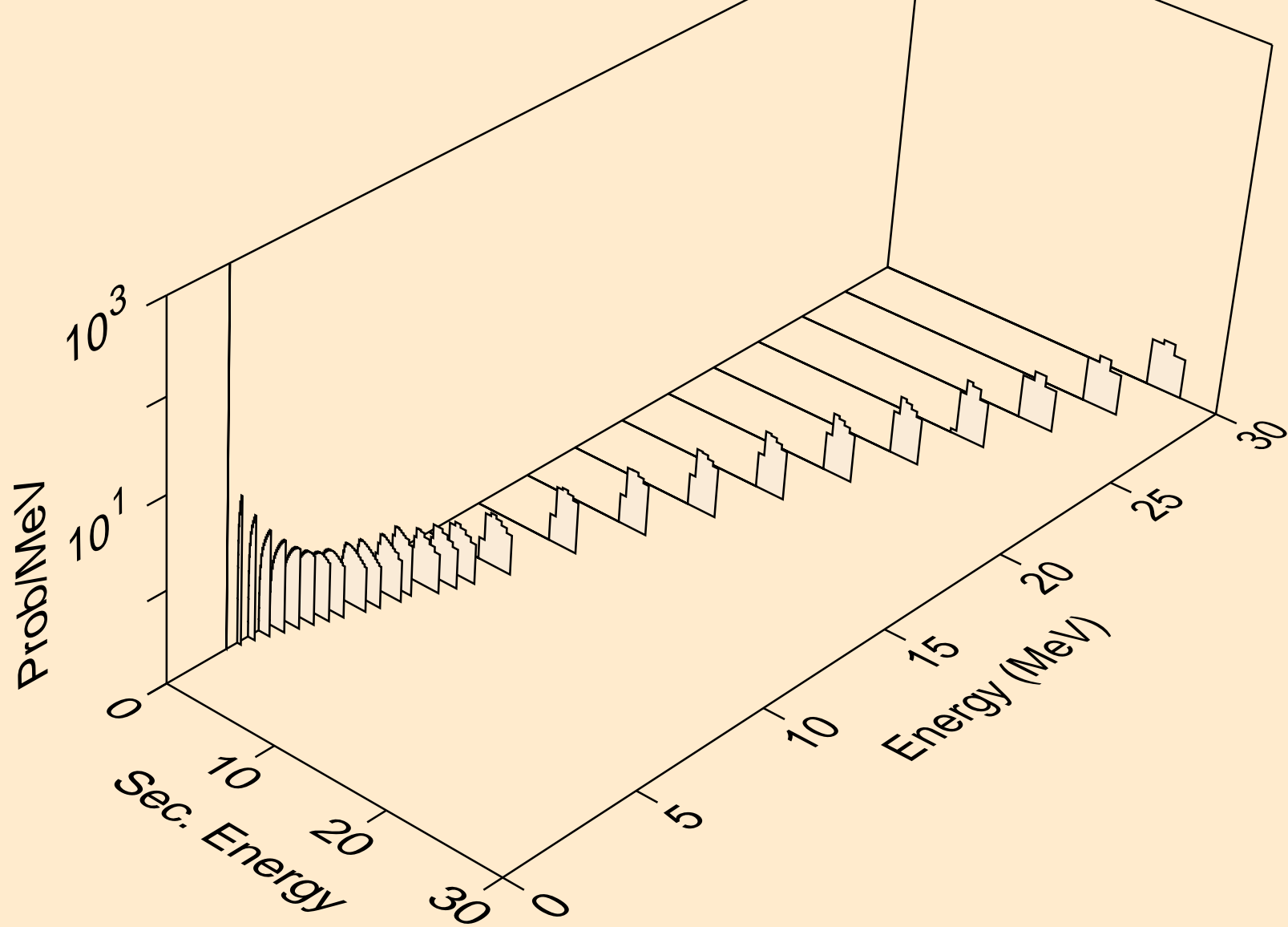
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Neutron emission for (n,n2p)



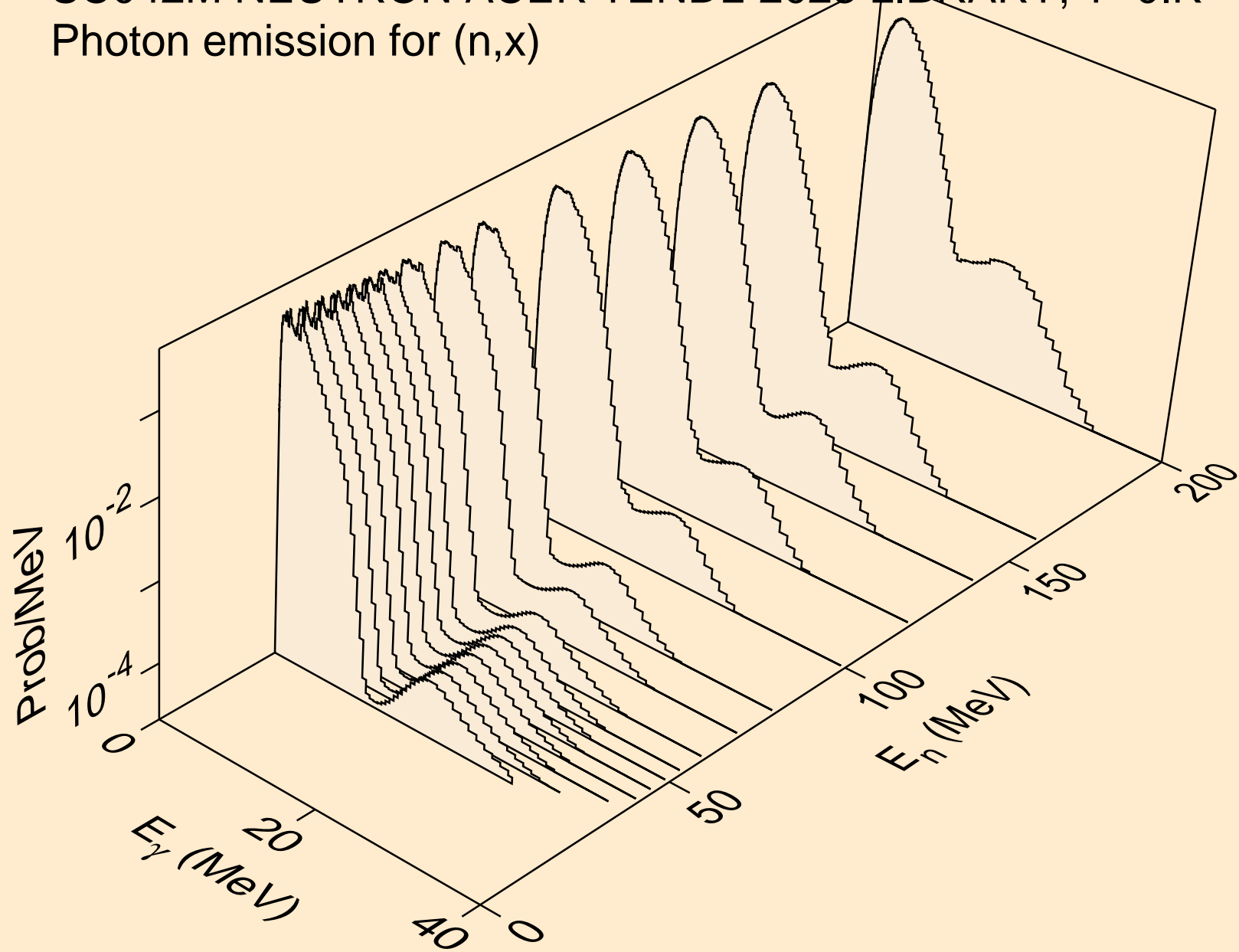
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Neutron emission for (n,npa)



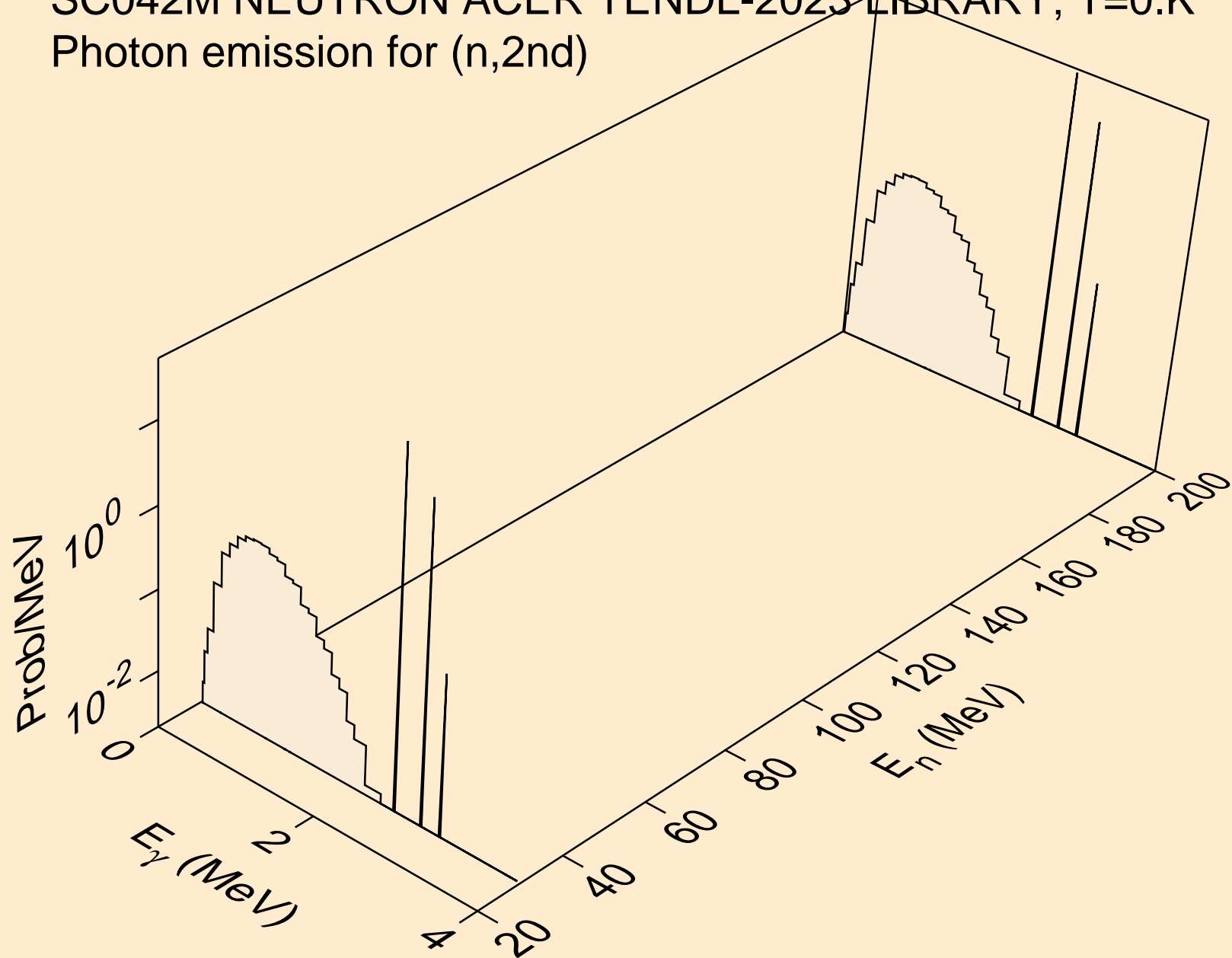
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Neutron emission for (n,n\*c)



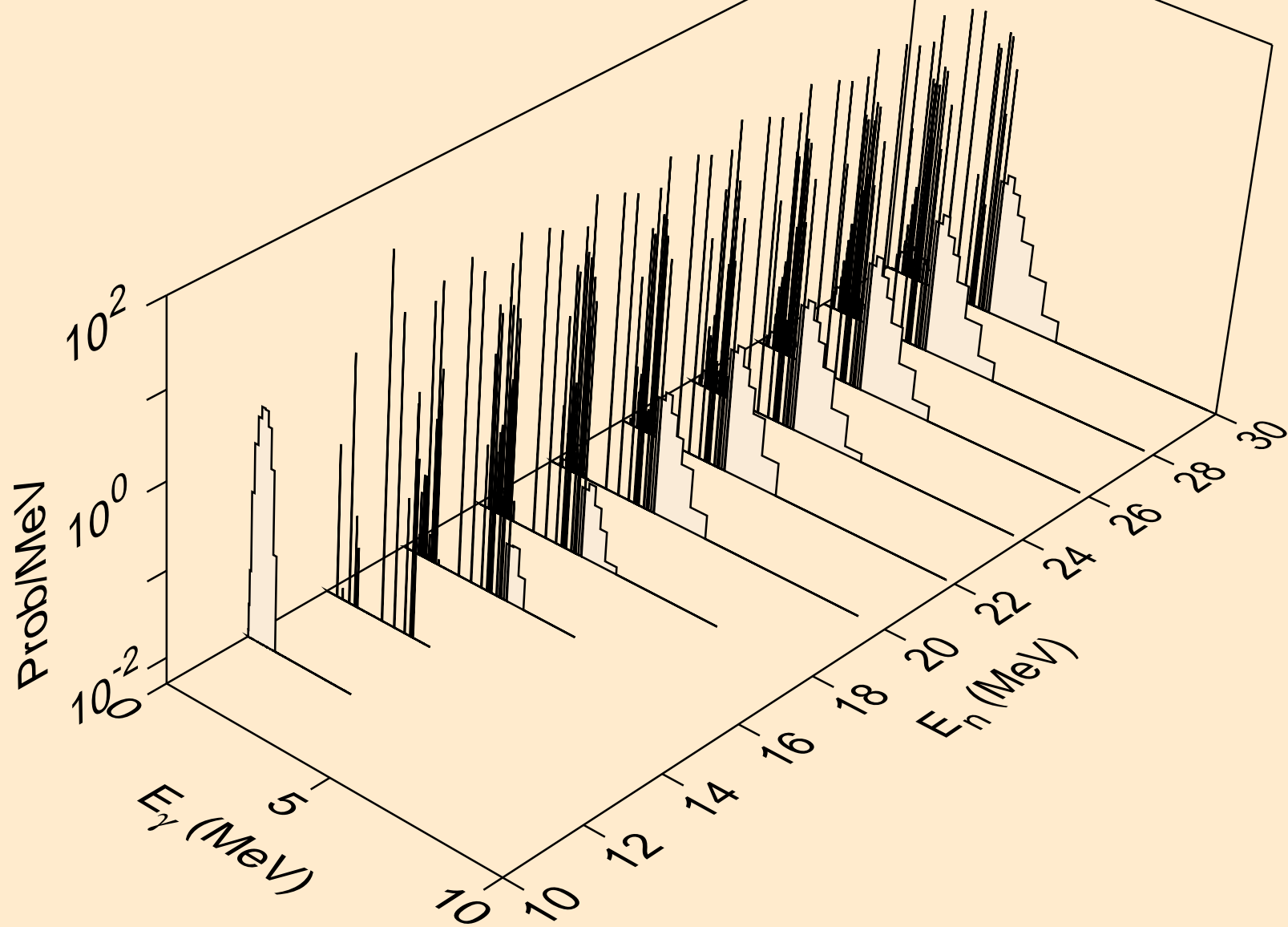
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Photon emission for (n,x)



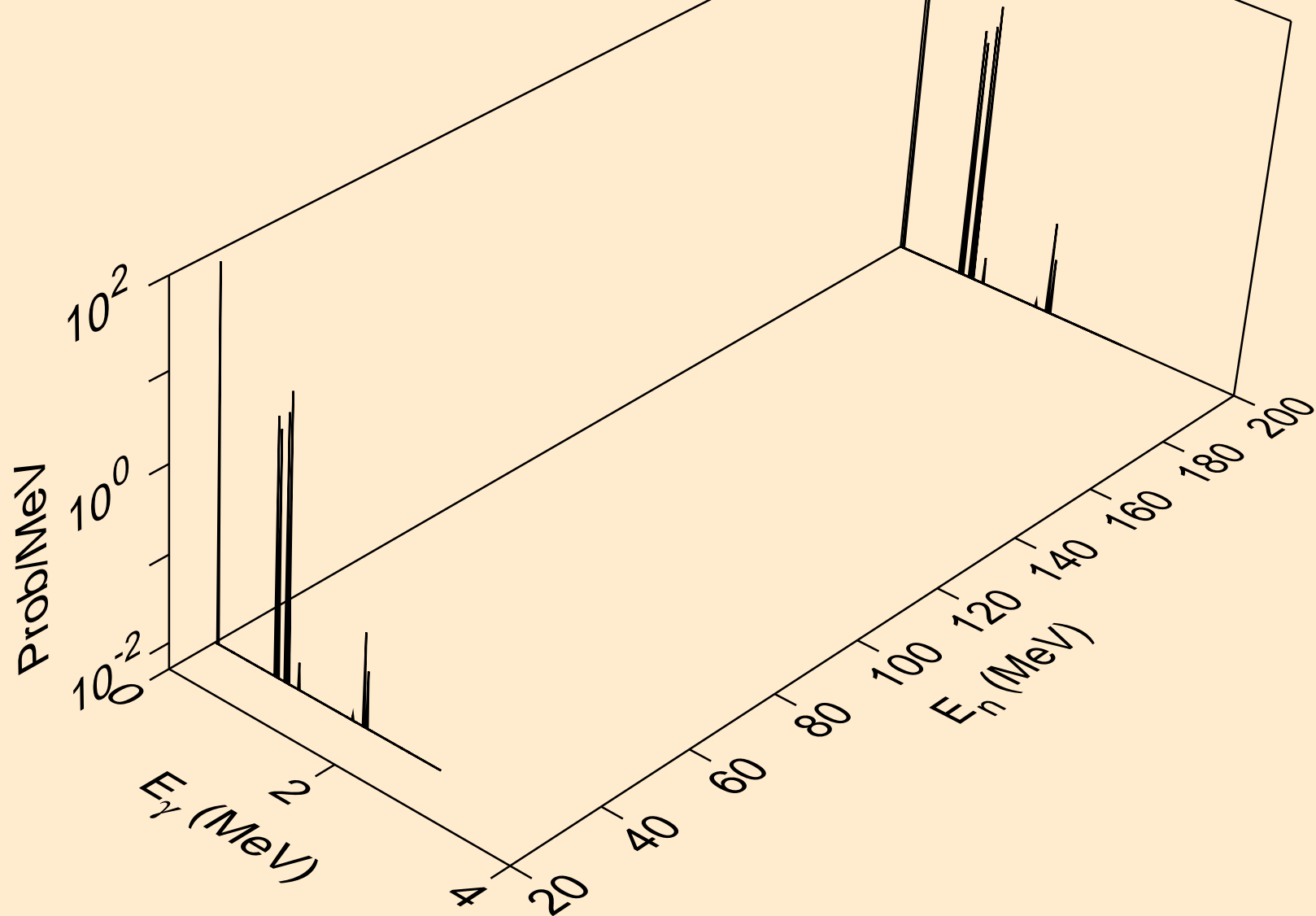
SC042M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



SC042M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)

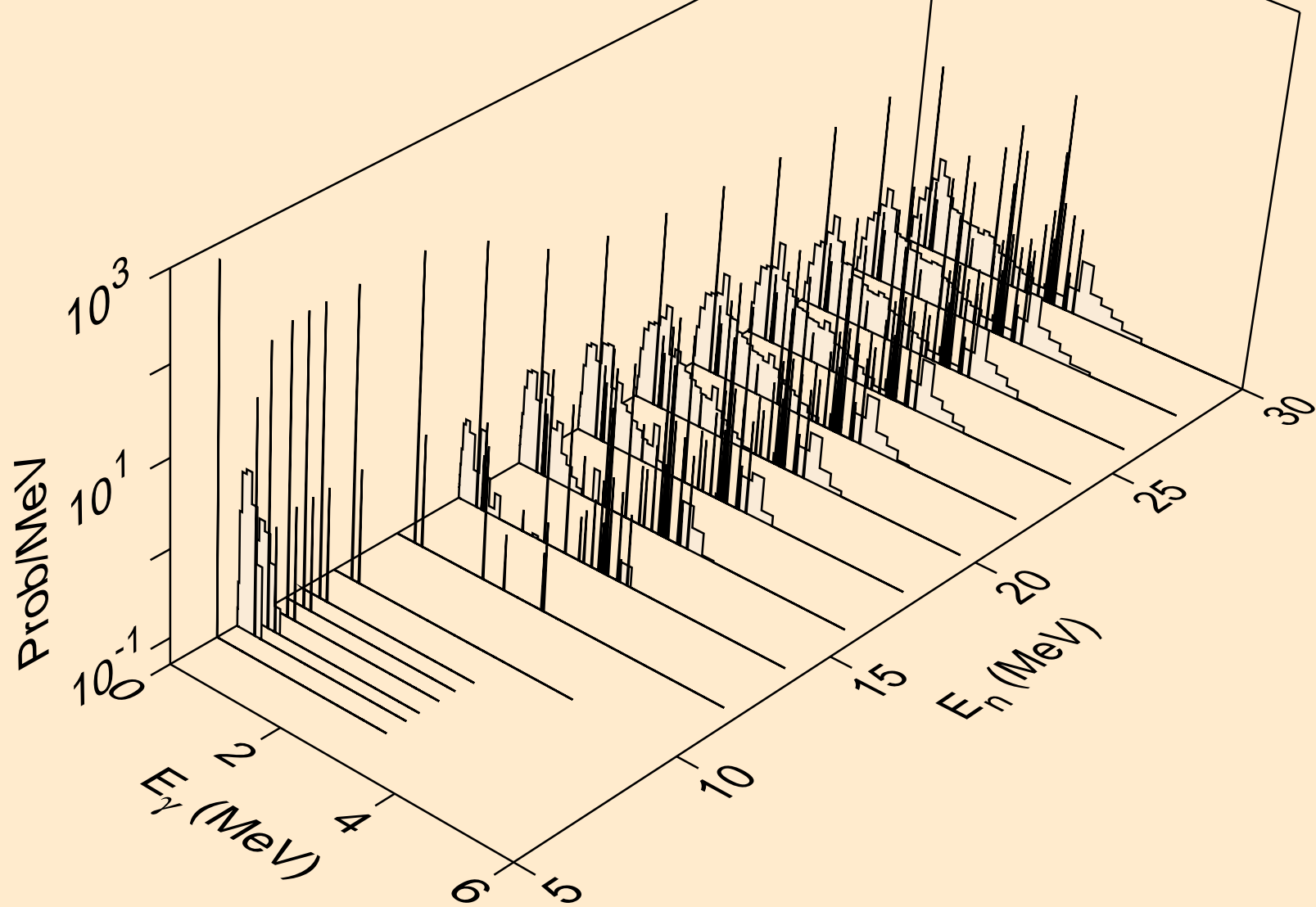


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Photon emission for (n,3n)

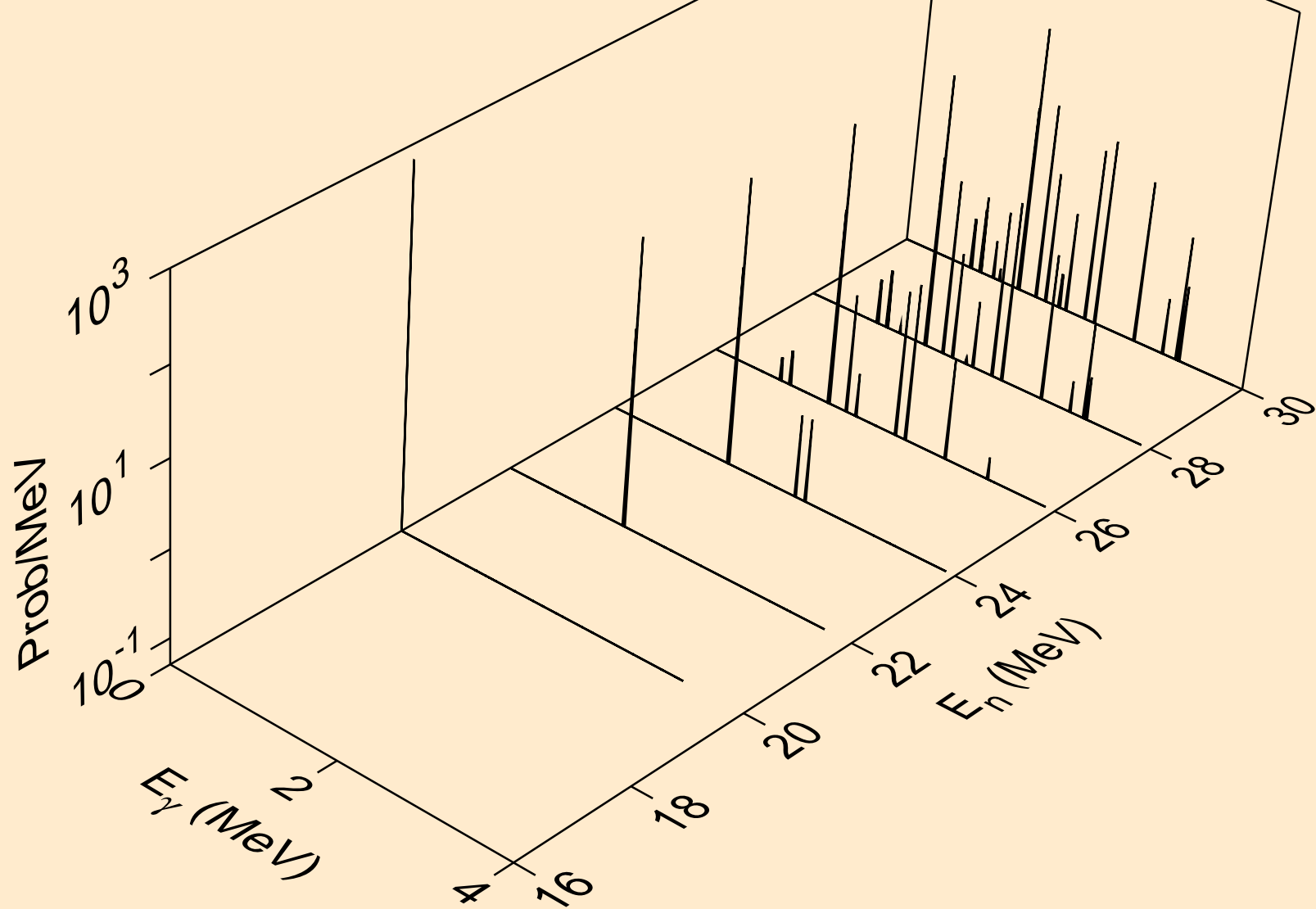




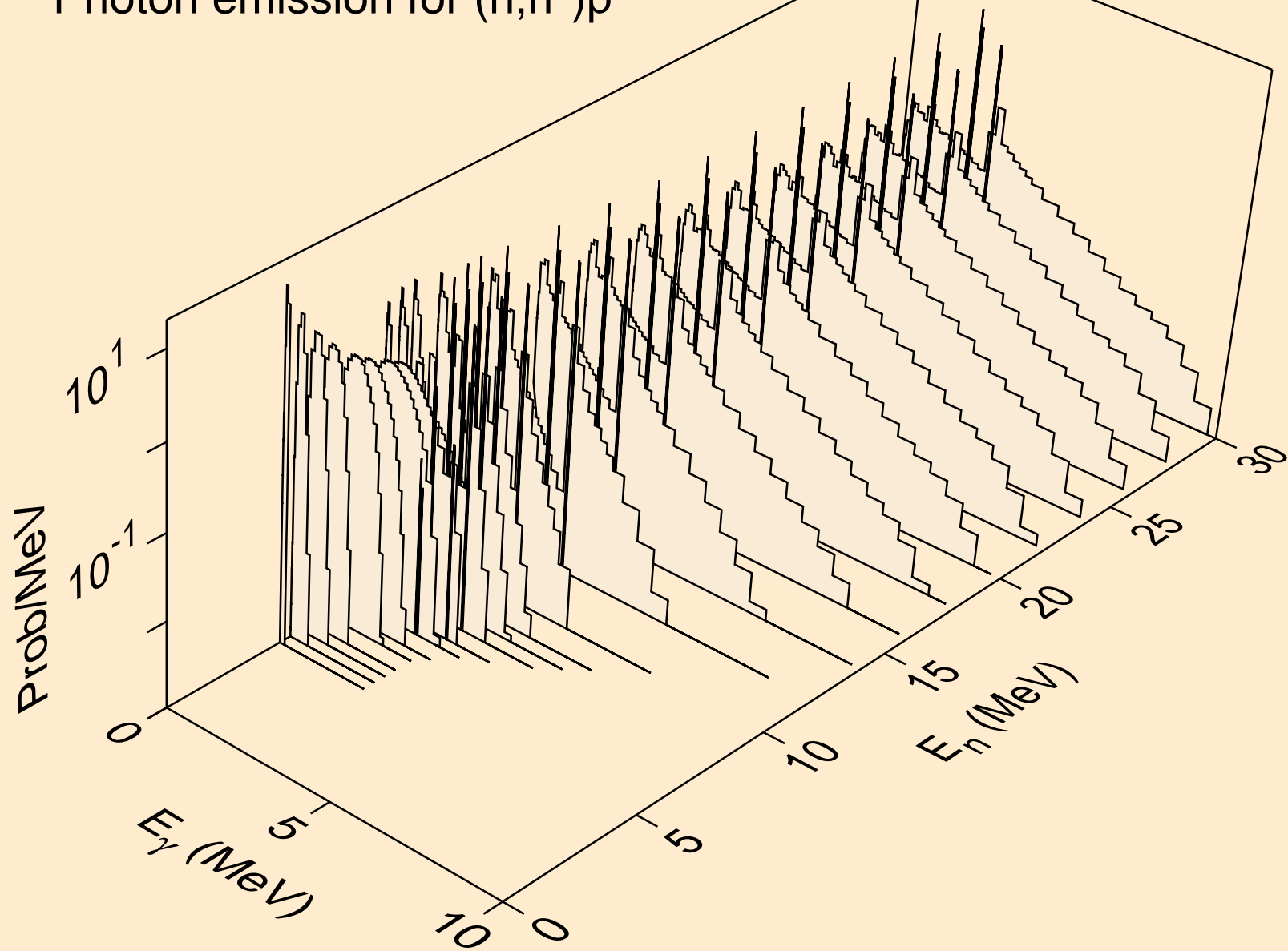
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Photon emission for (n,n\*)a



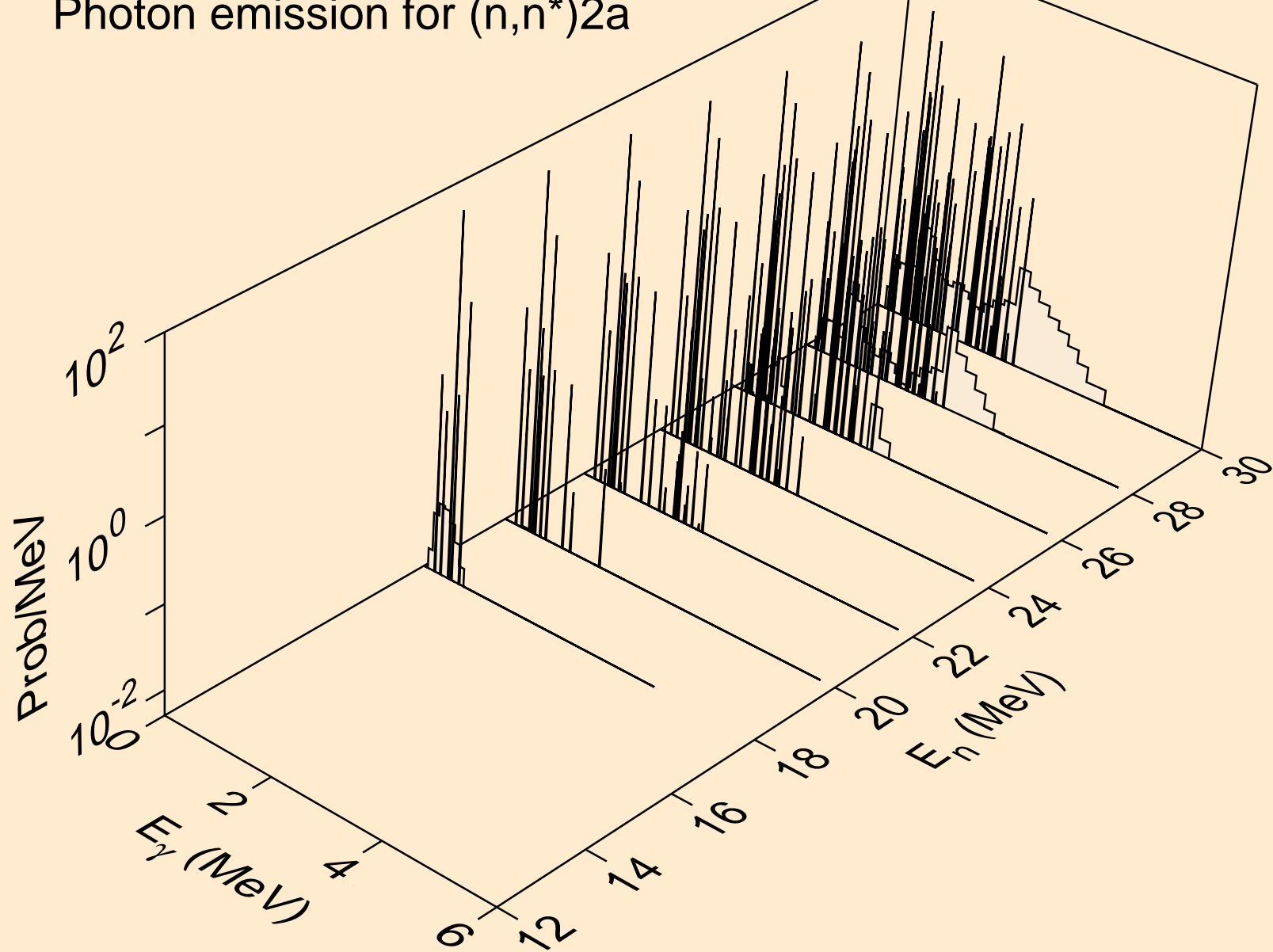
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Photon emission for (n,2n)a



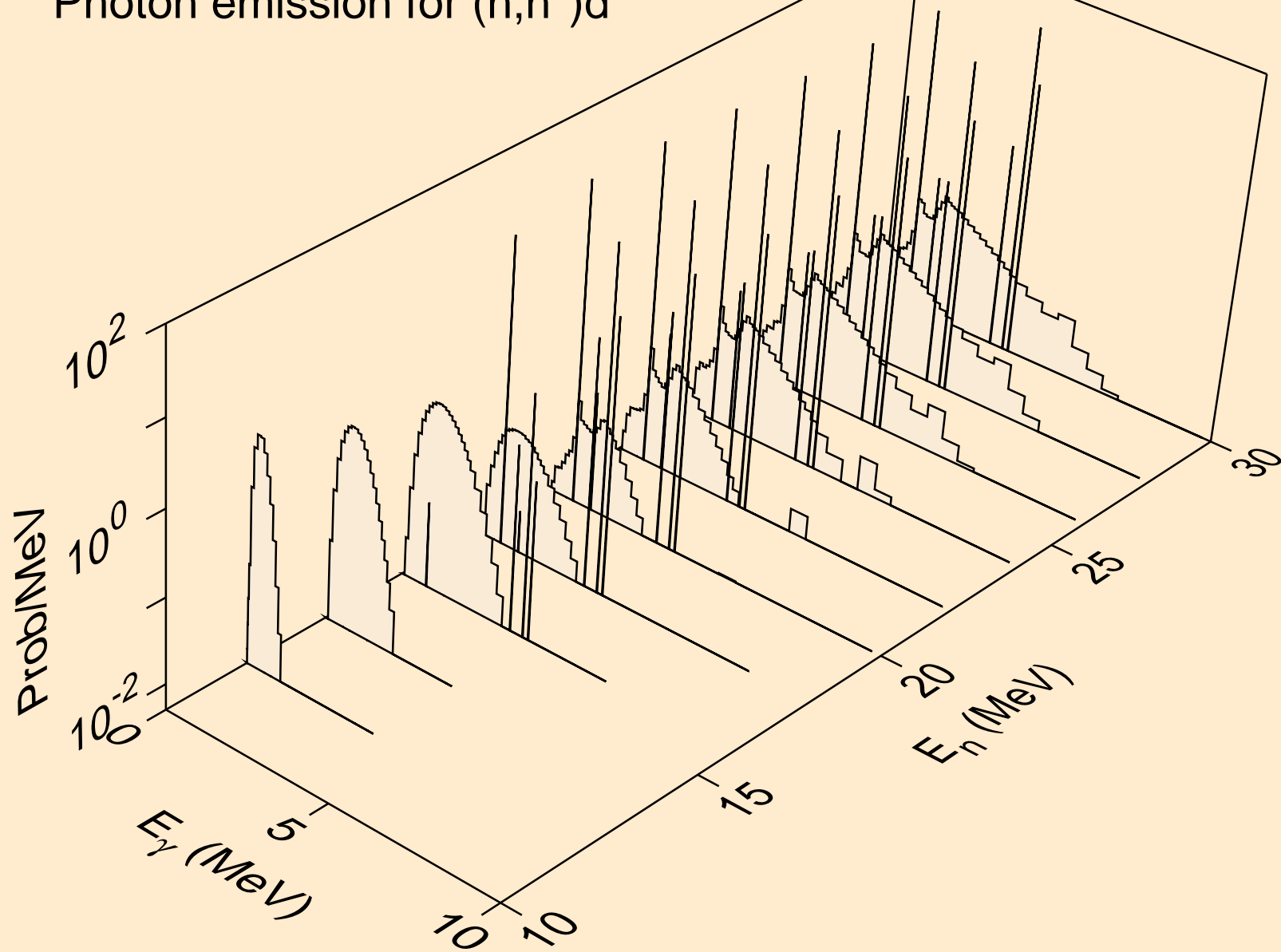
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Photon emission for (n,n\*)p



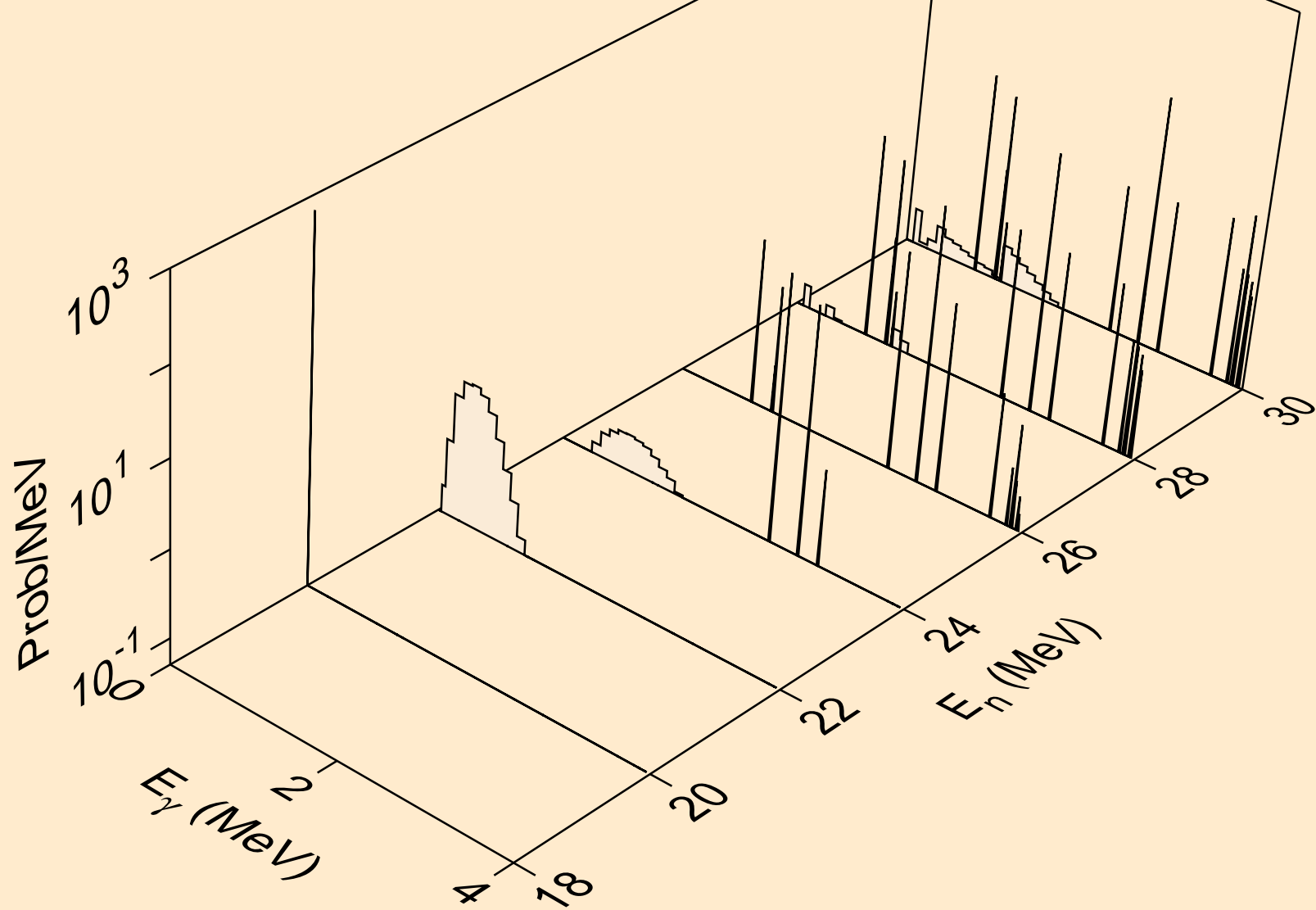
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Photon emission for (n,n\*)2a



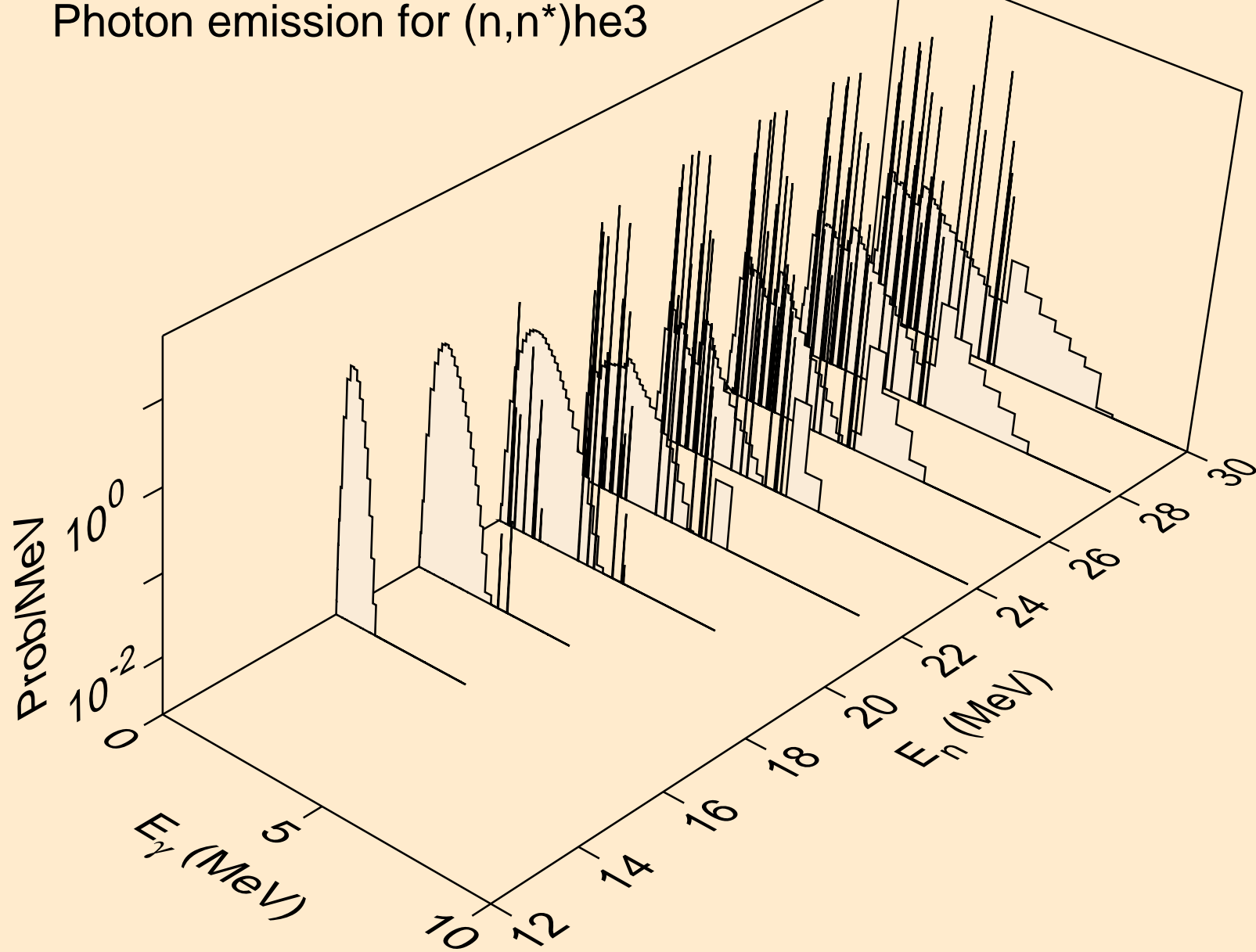
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Photon emission for (n,n\*)d



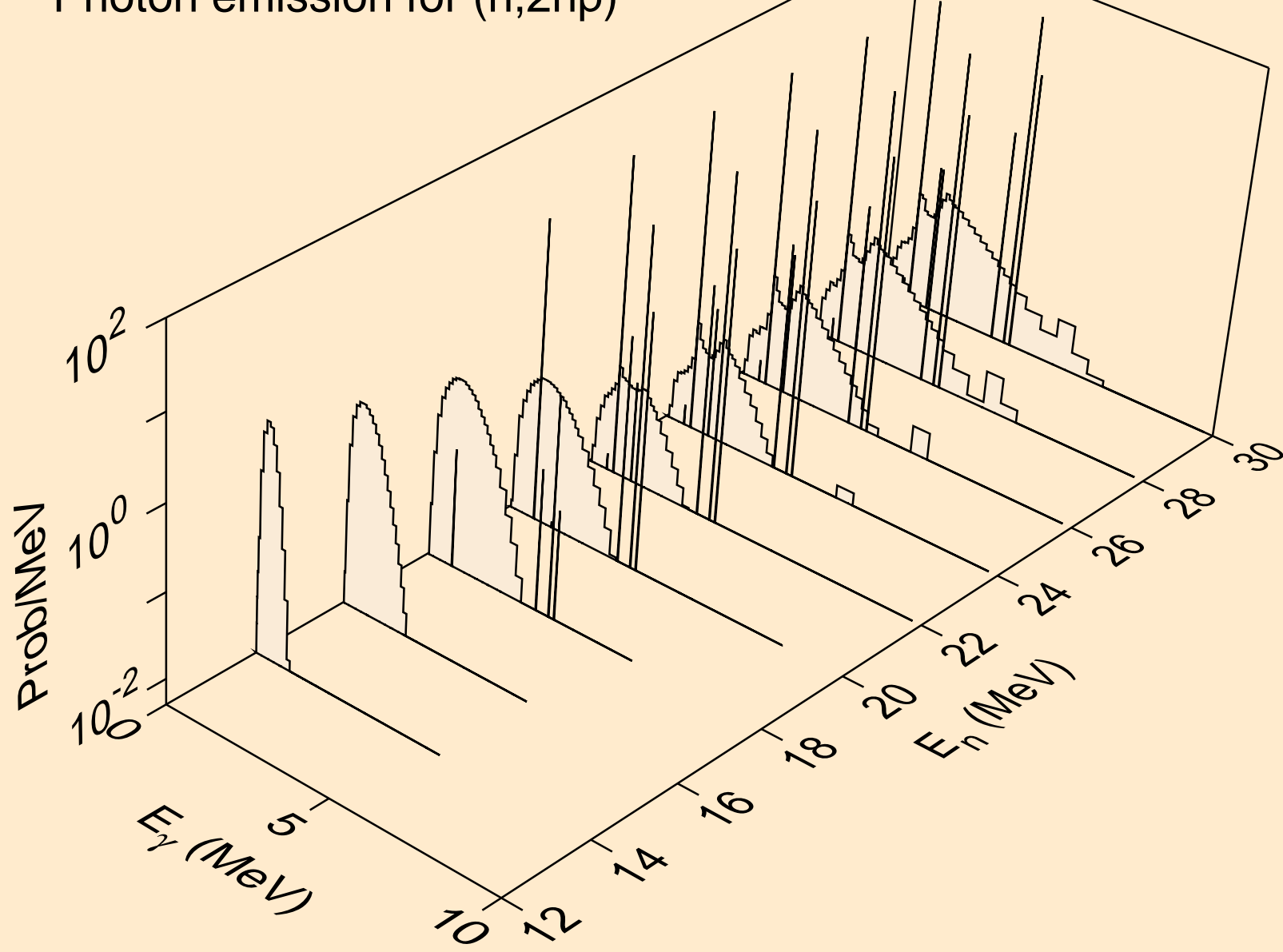
SC042M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



SC042M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3

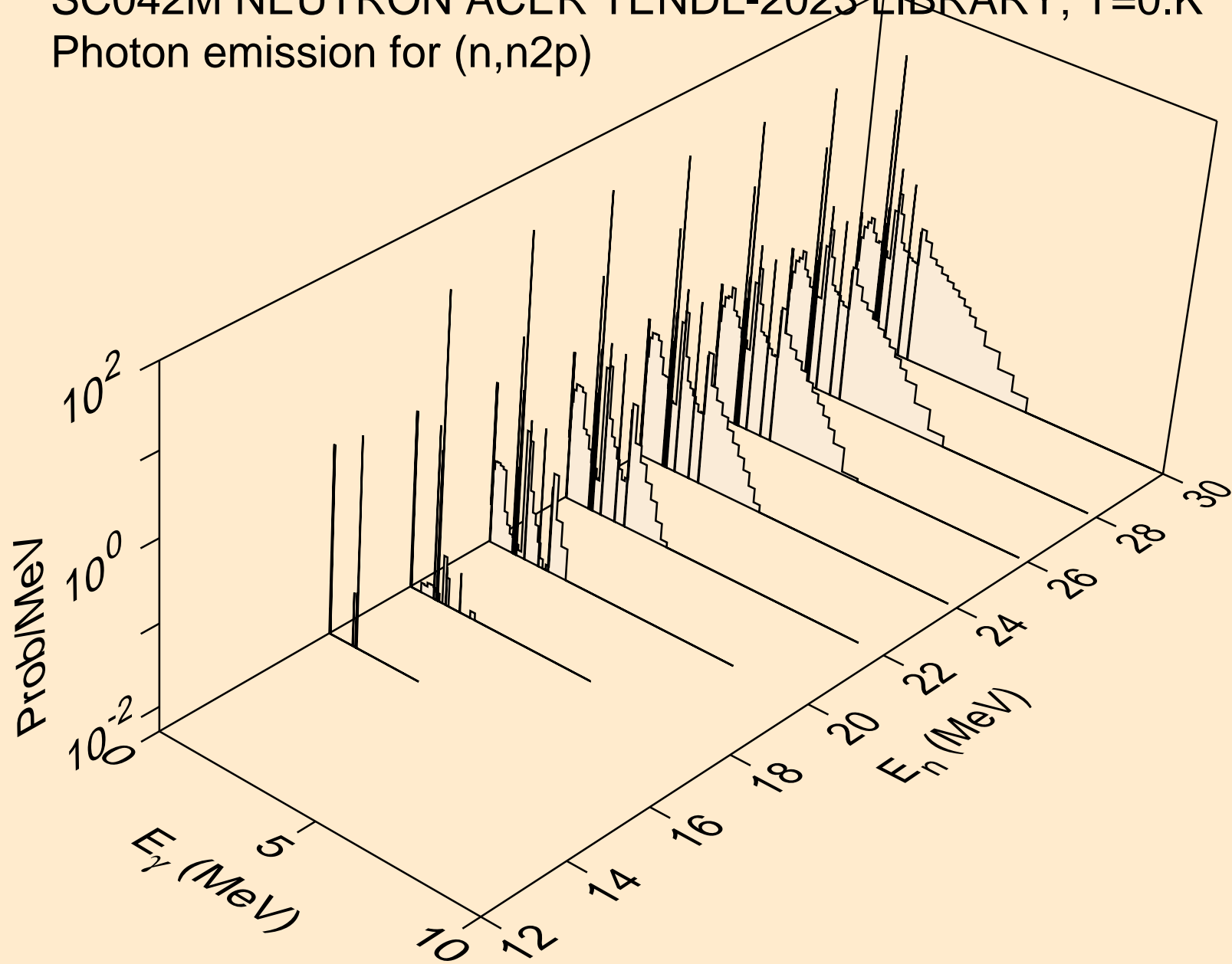


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Photon emission for (n,2np)

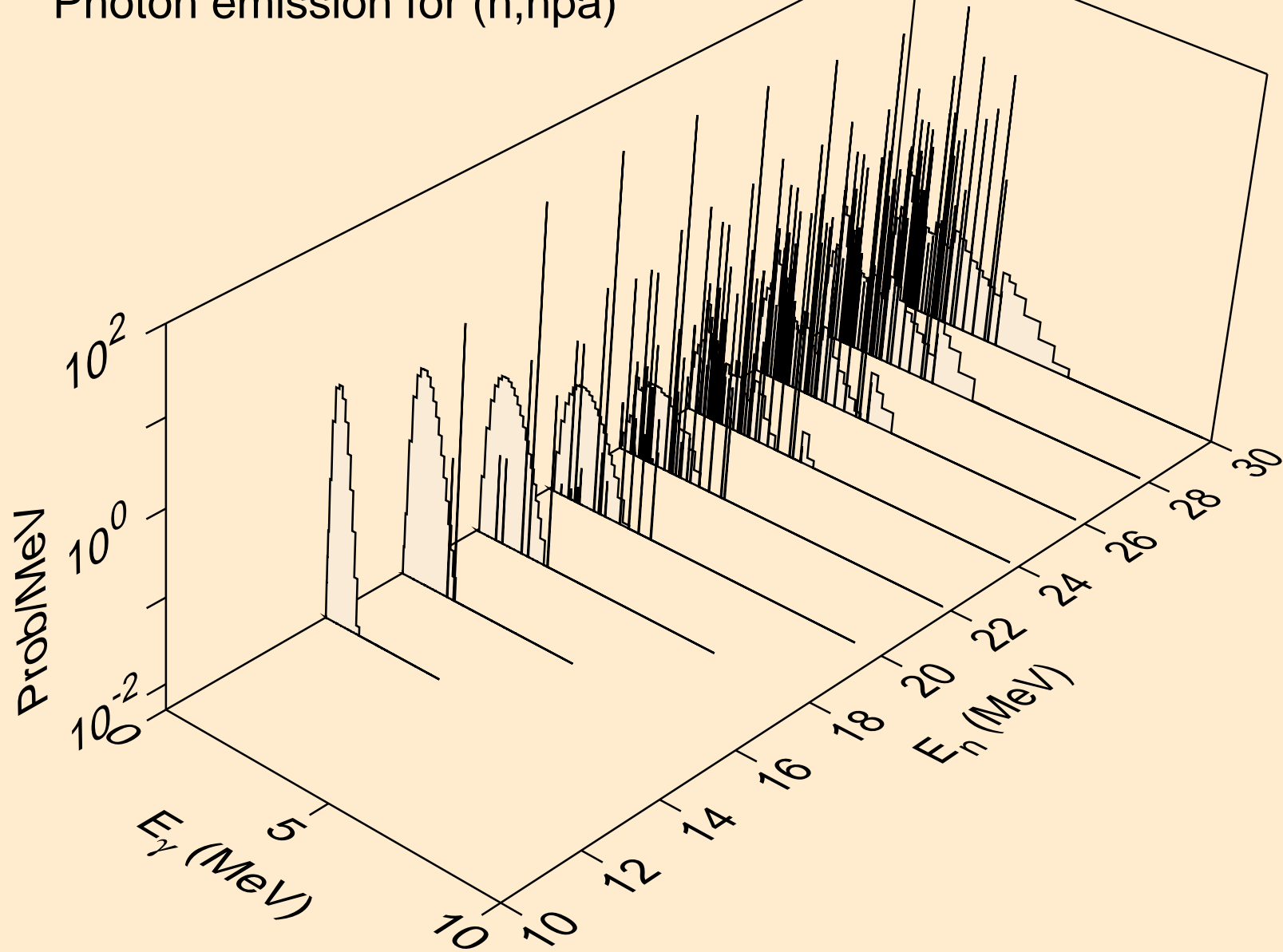




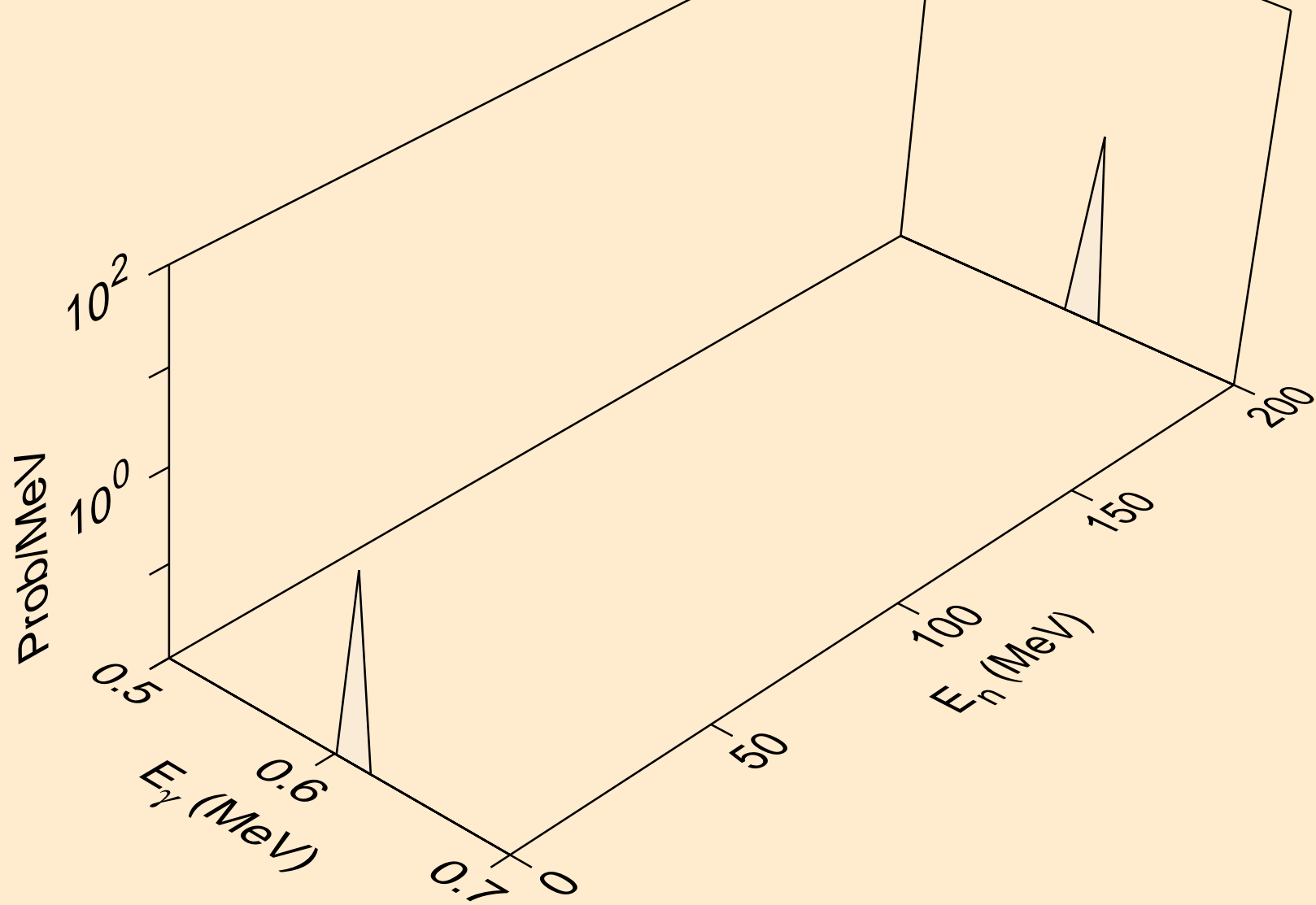
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Photon emission for (n,n2p)



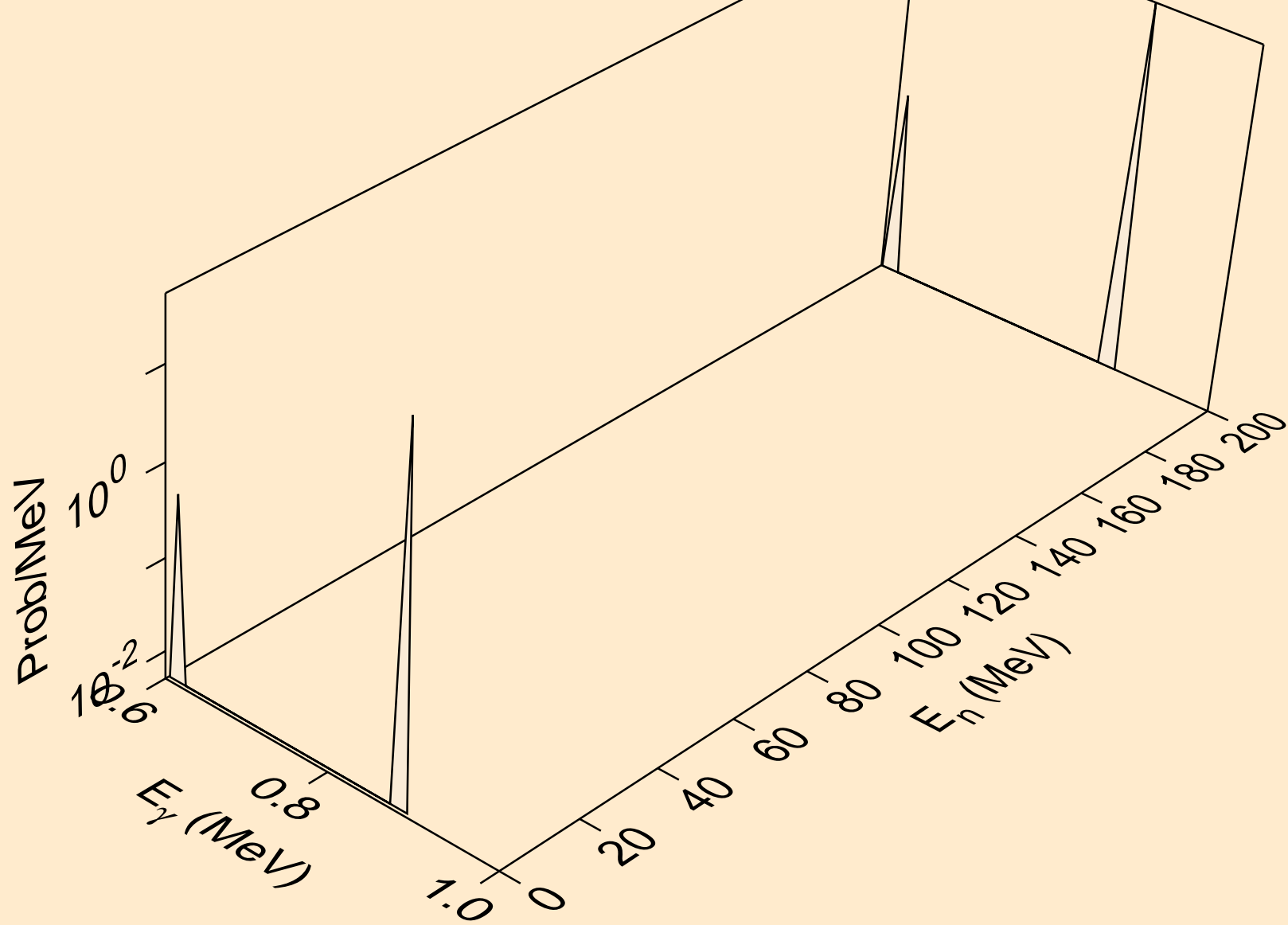
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Photon emission for (n,npa)



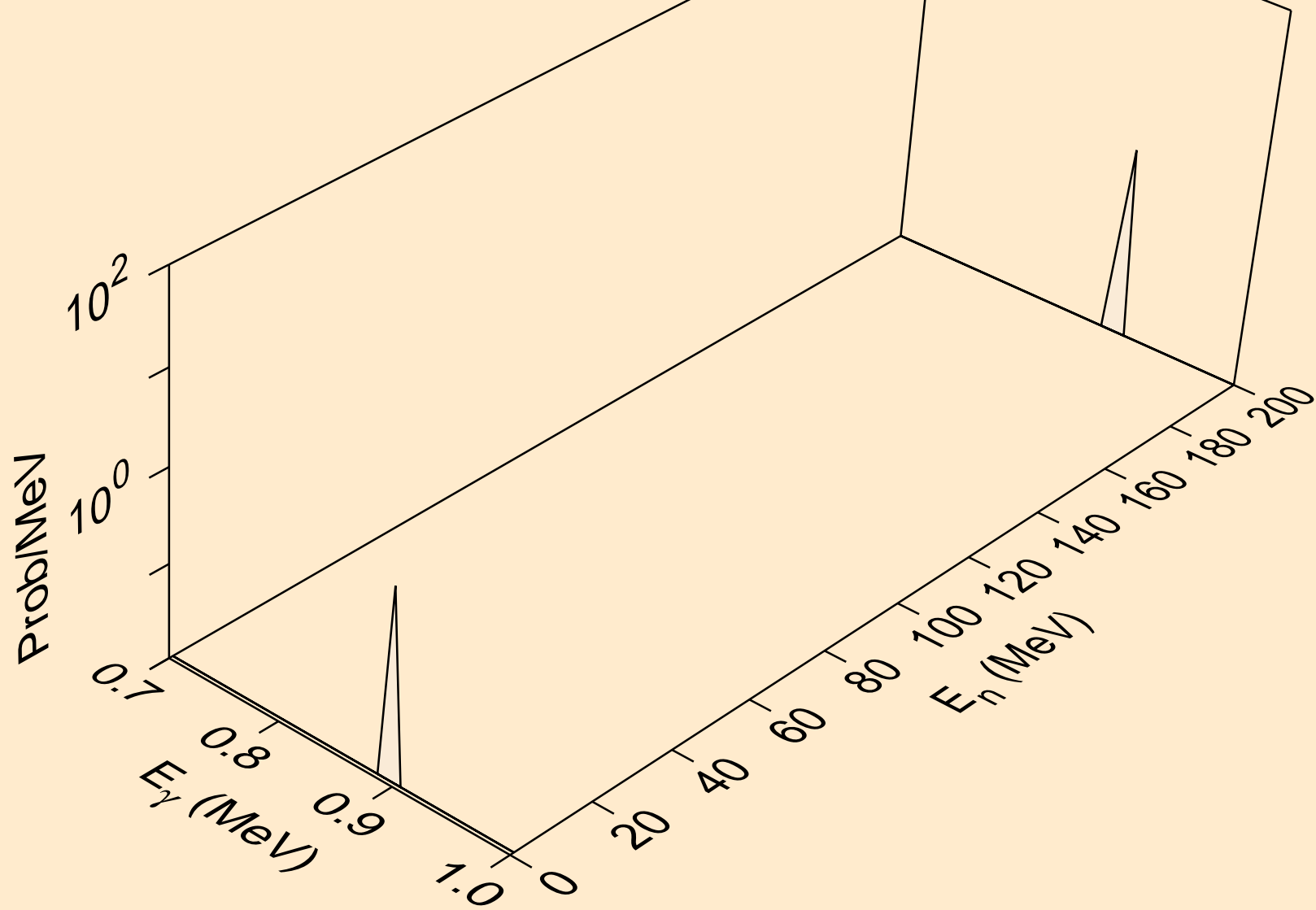
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Photon emission for (n,n\*1)



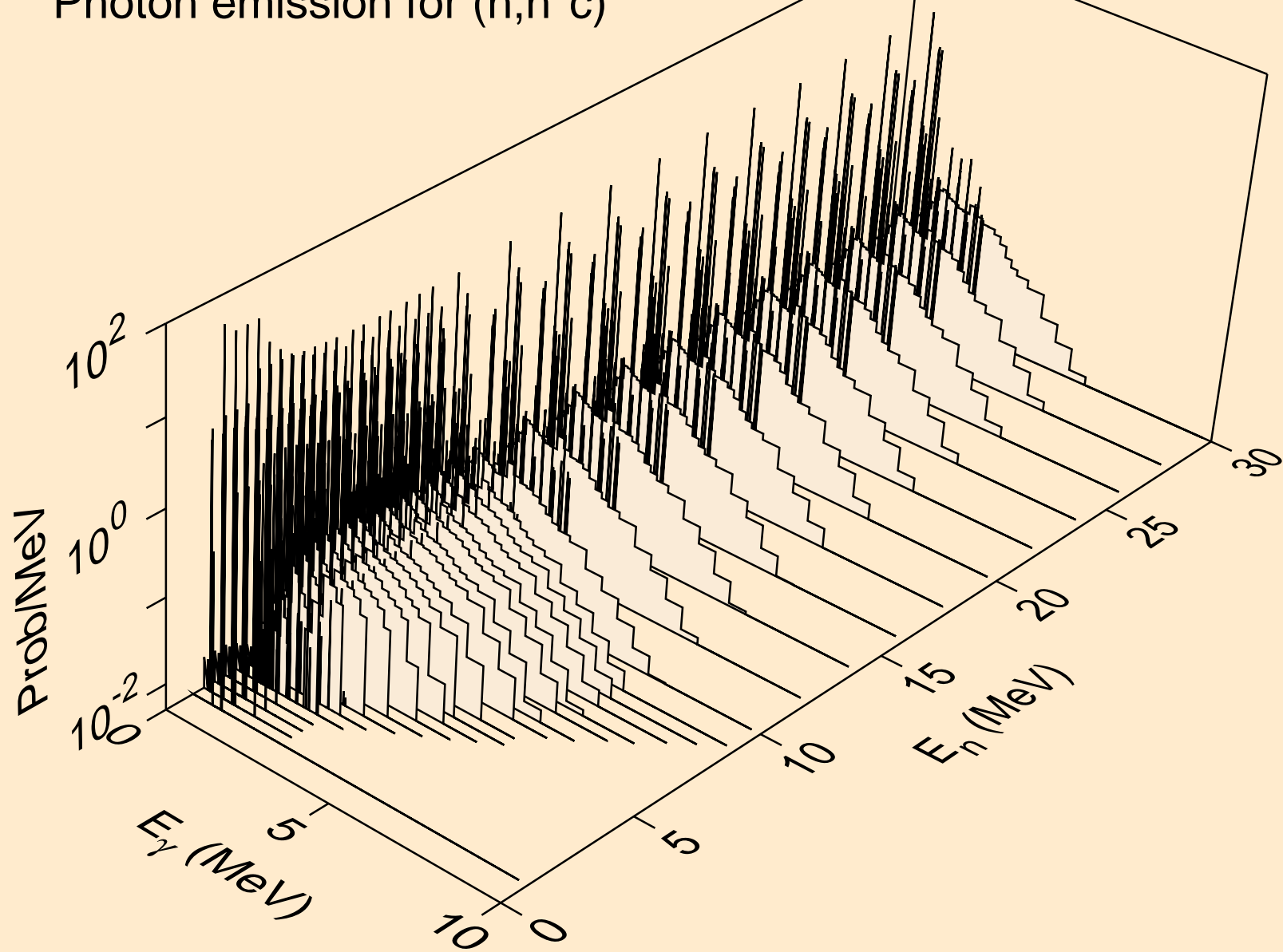
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Photon emission for (n,n\*3)



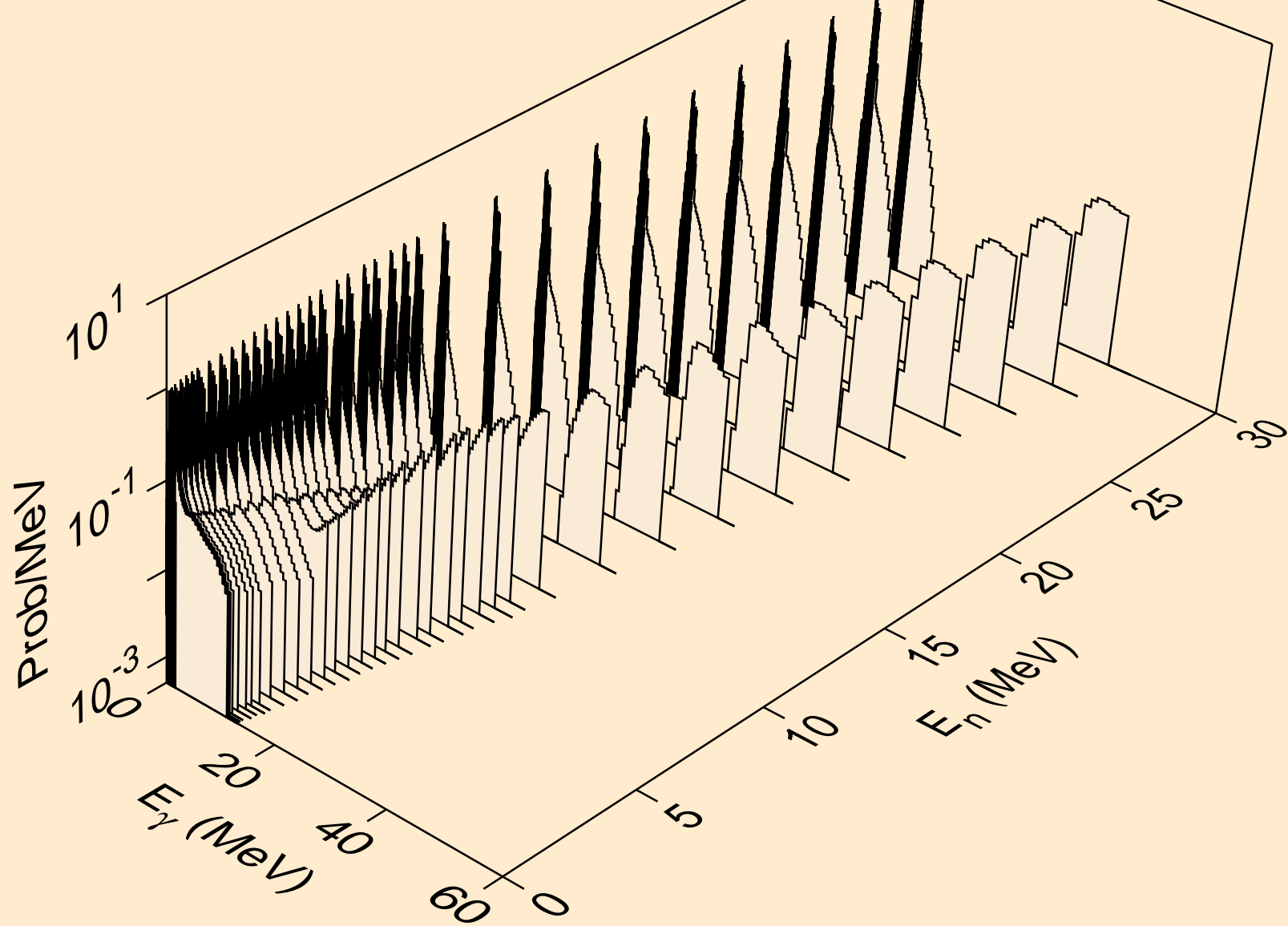
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Photon emission for (n,n\*4)



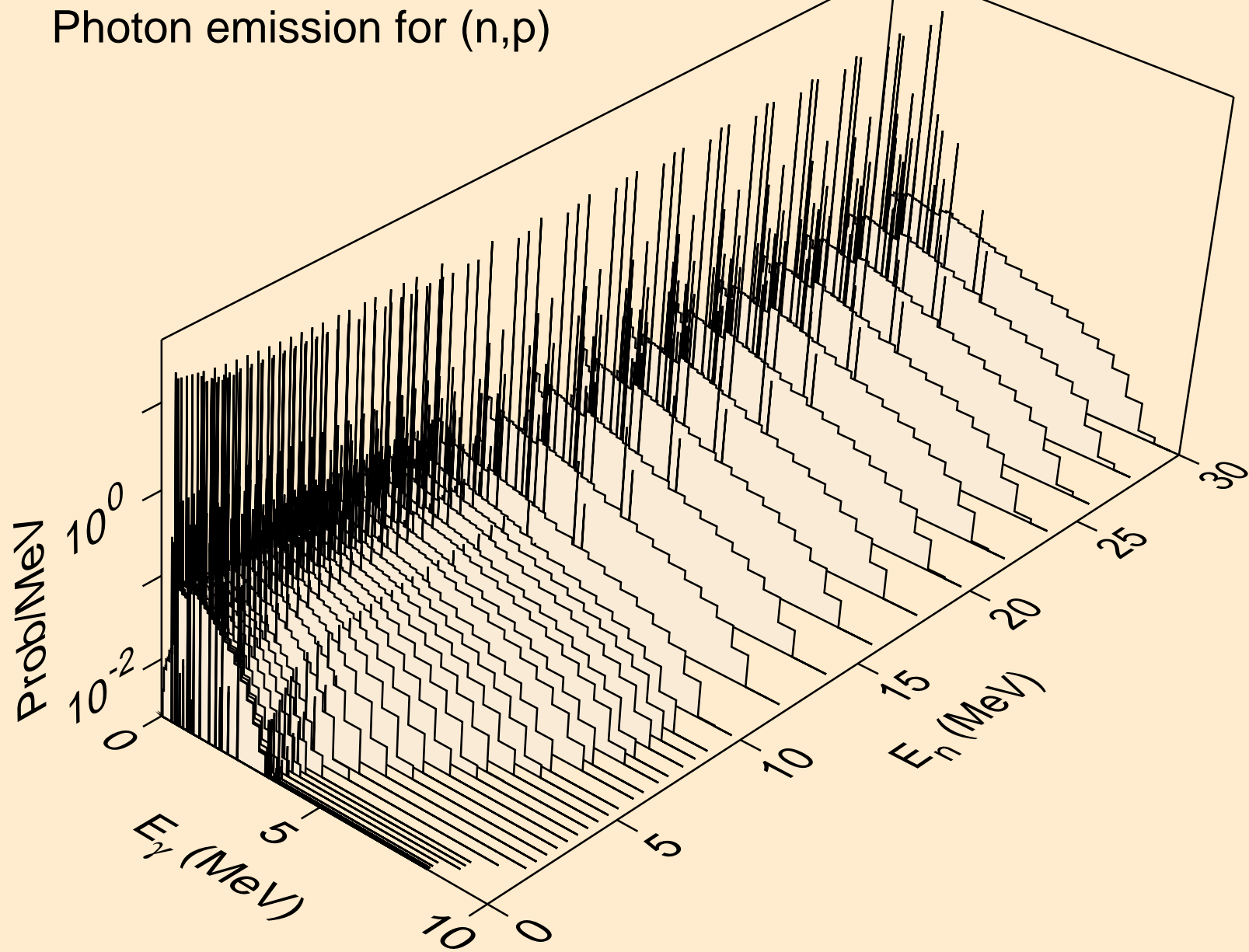
SC042M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*c)



SC042M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)

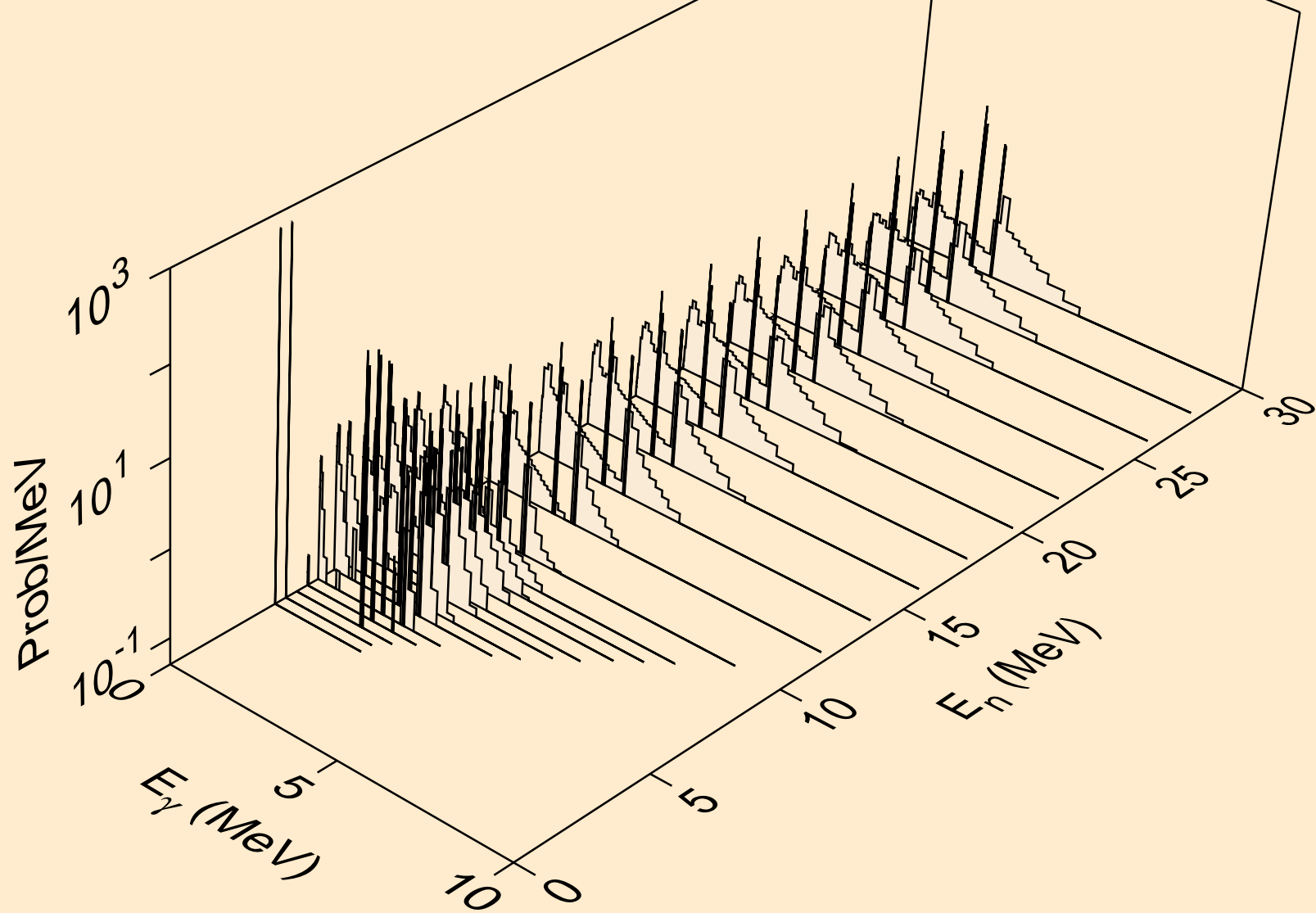


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Photon emission for (n,p)

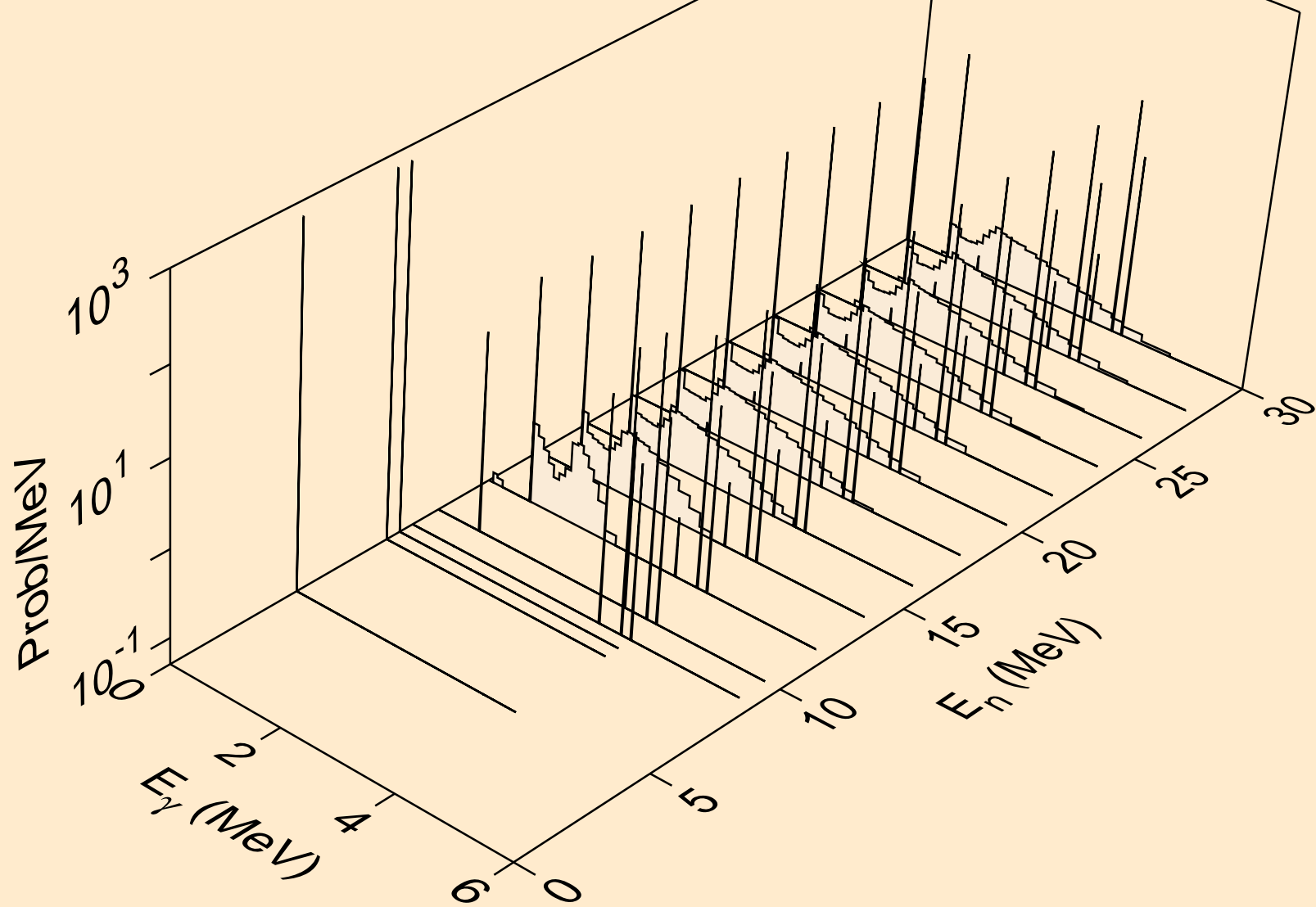




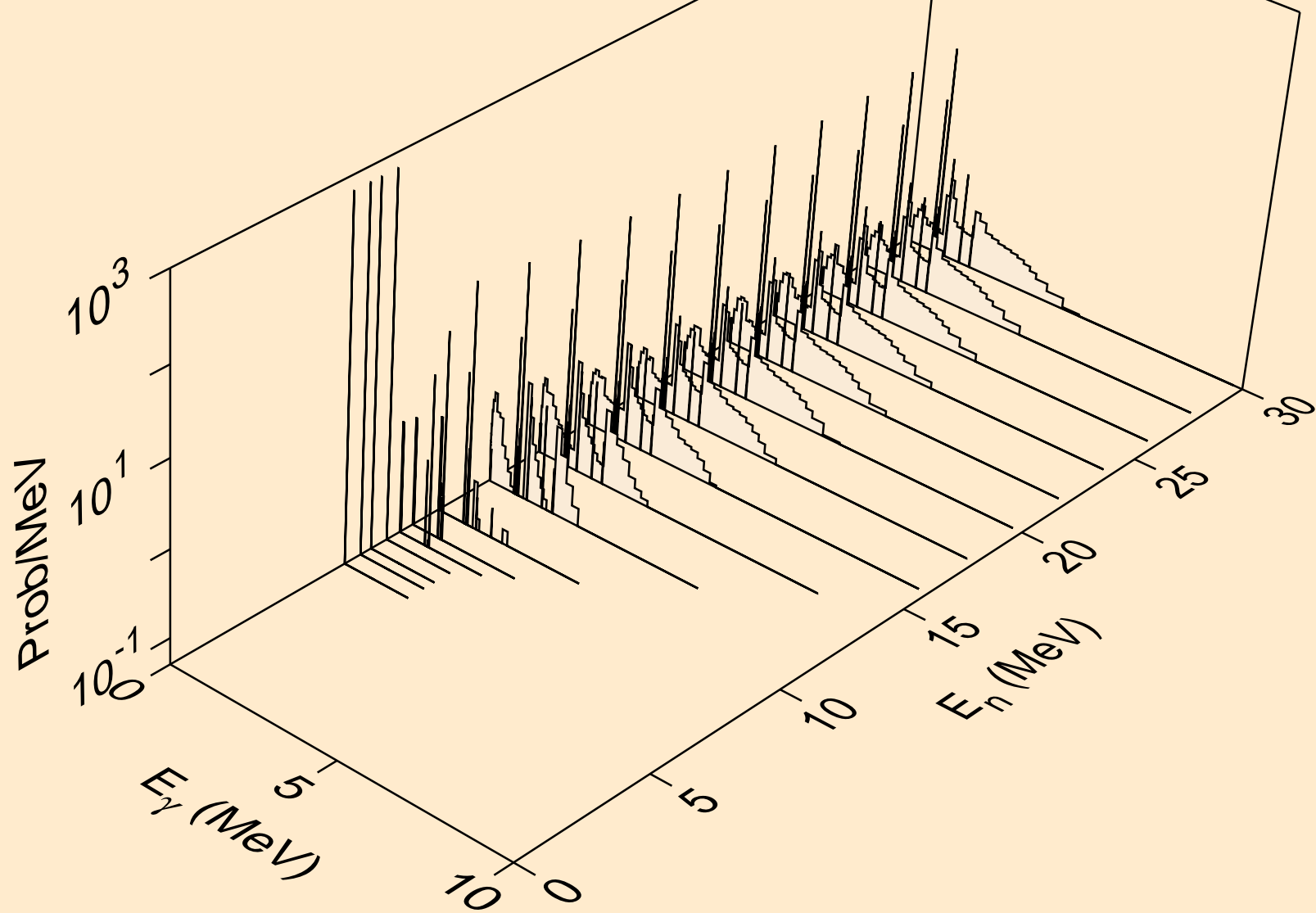
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Photon emission for (n,d)



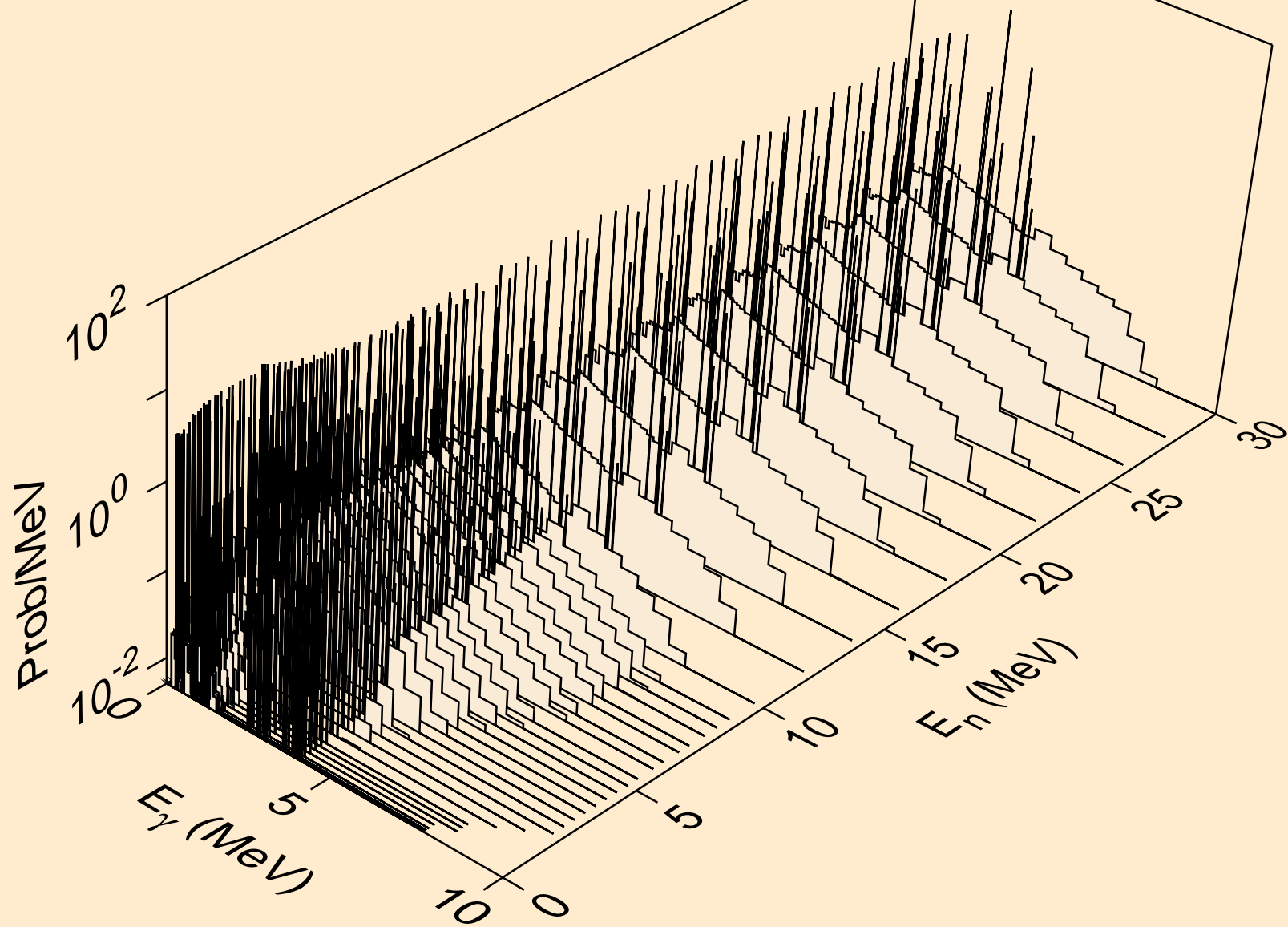
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Photon emission for (n,t)



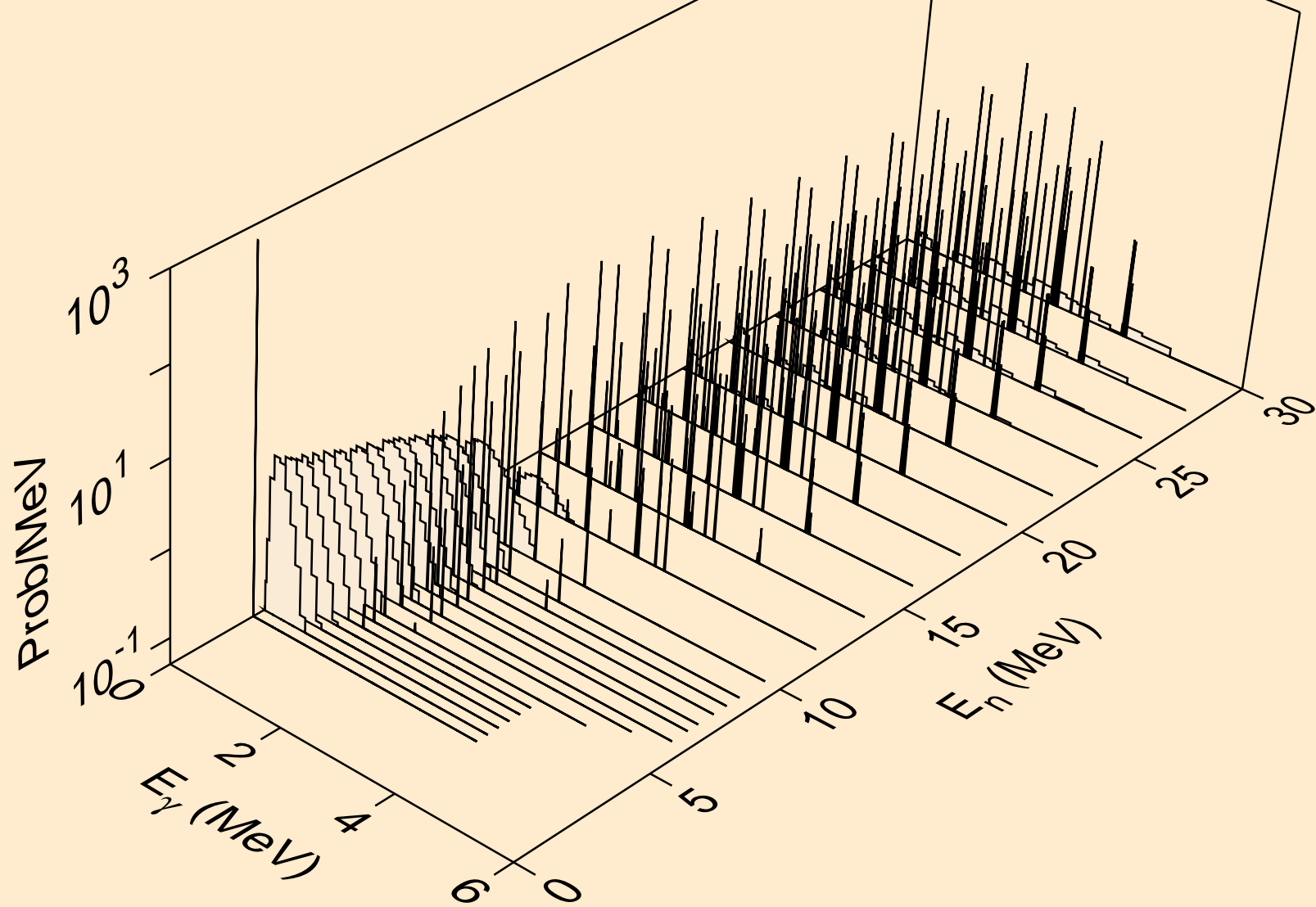
SC042M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)



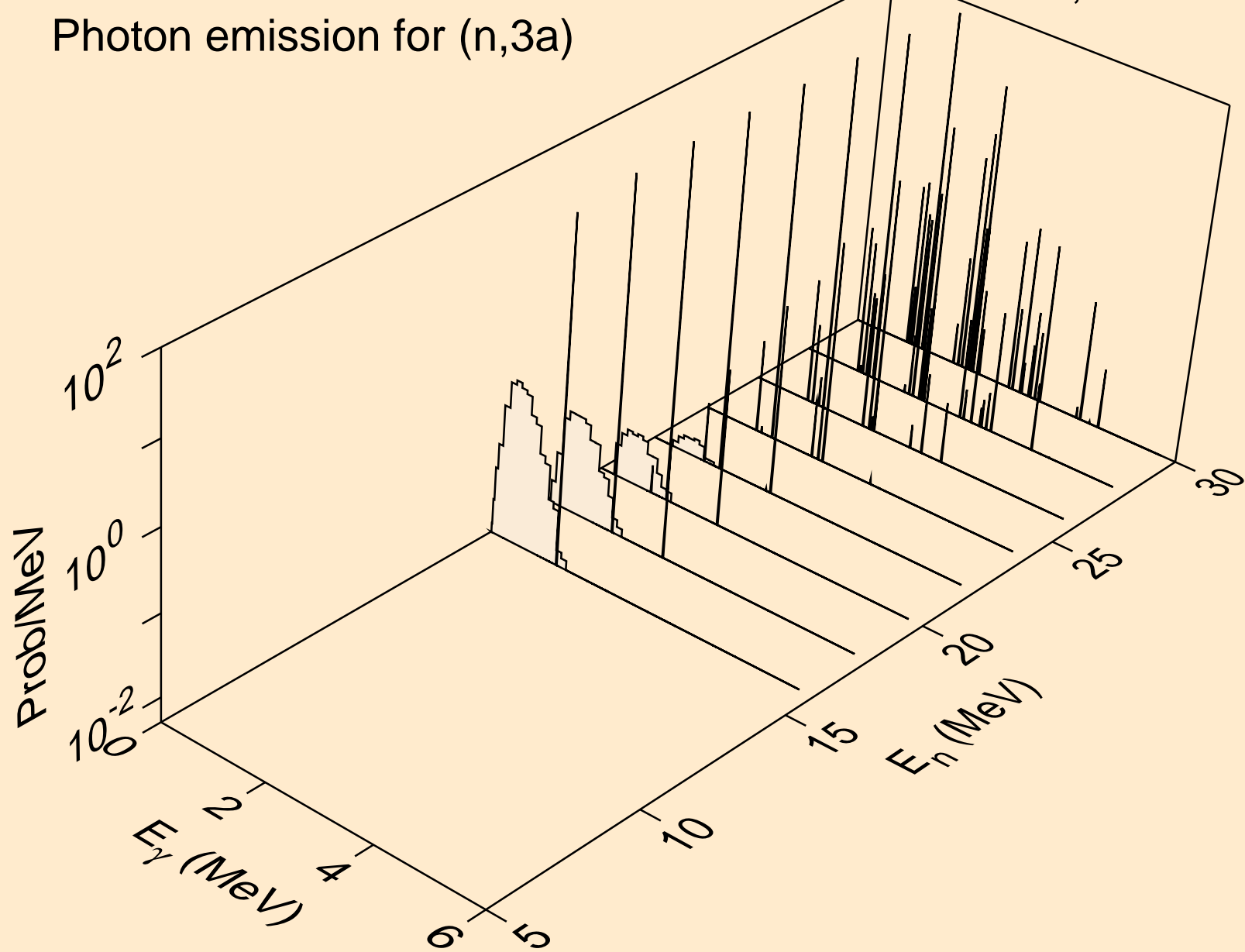
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Photon emission for (n,a)



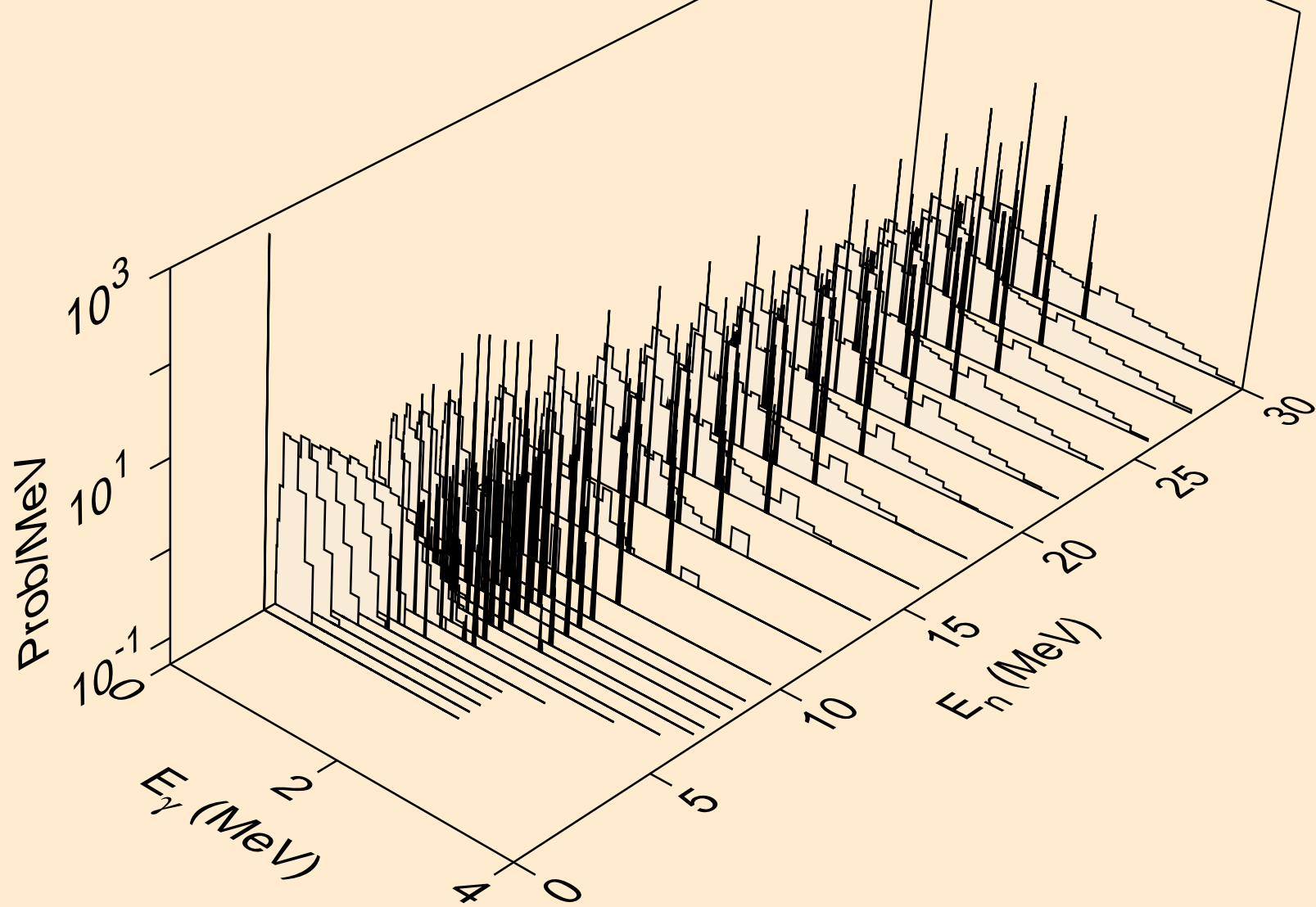
SC042M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2a)



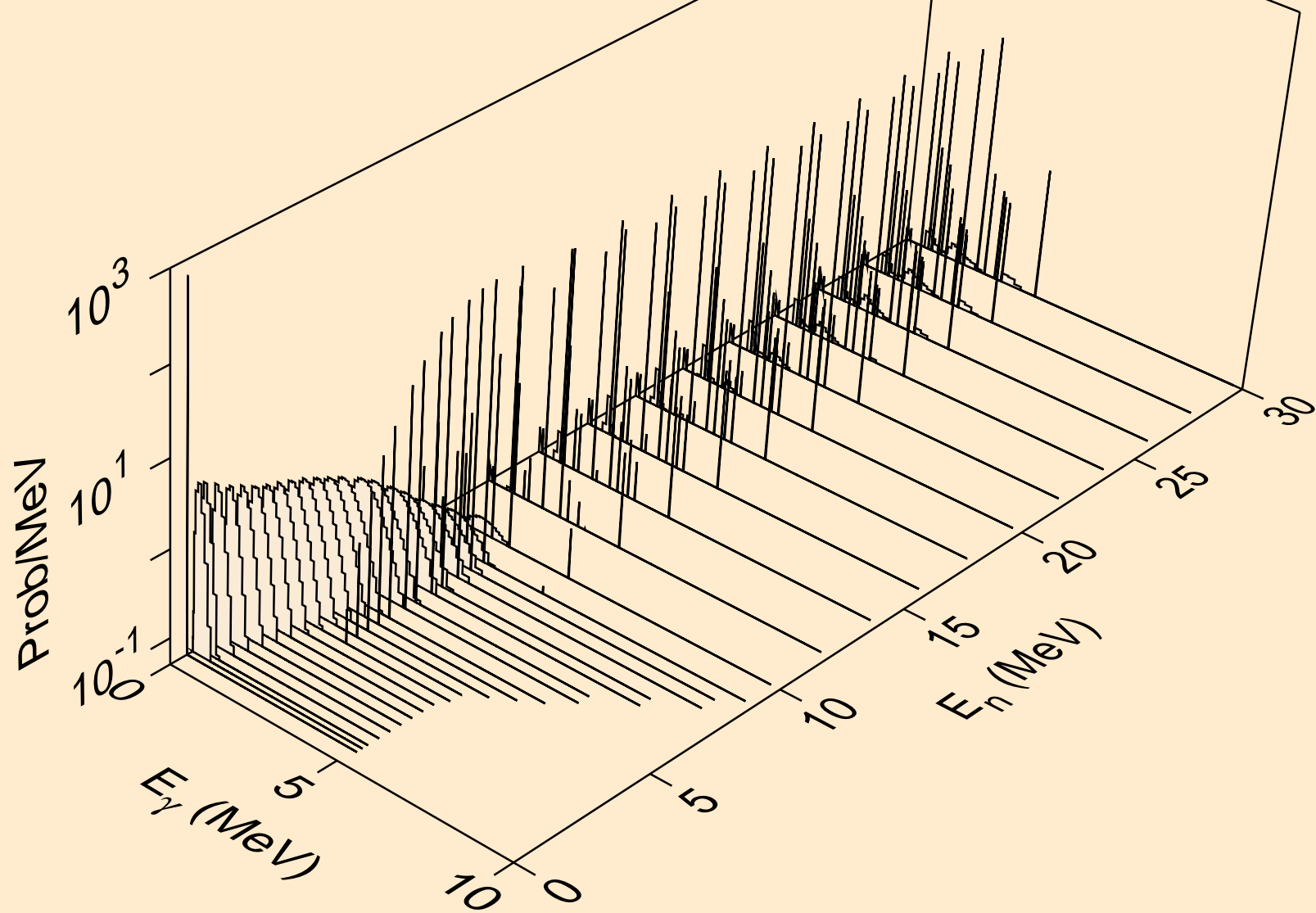
SC042M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3a)



SC042M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)

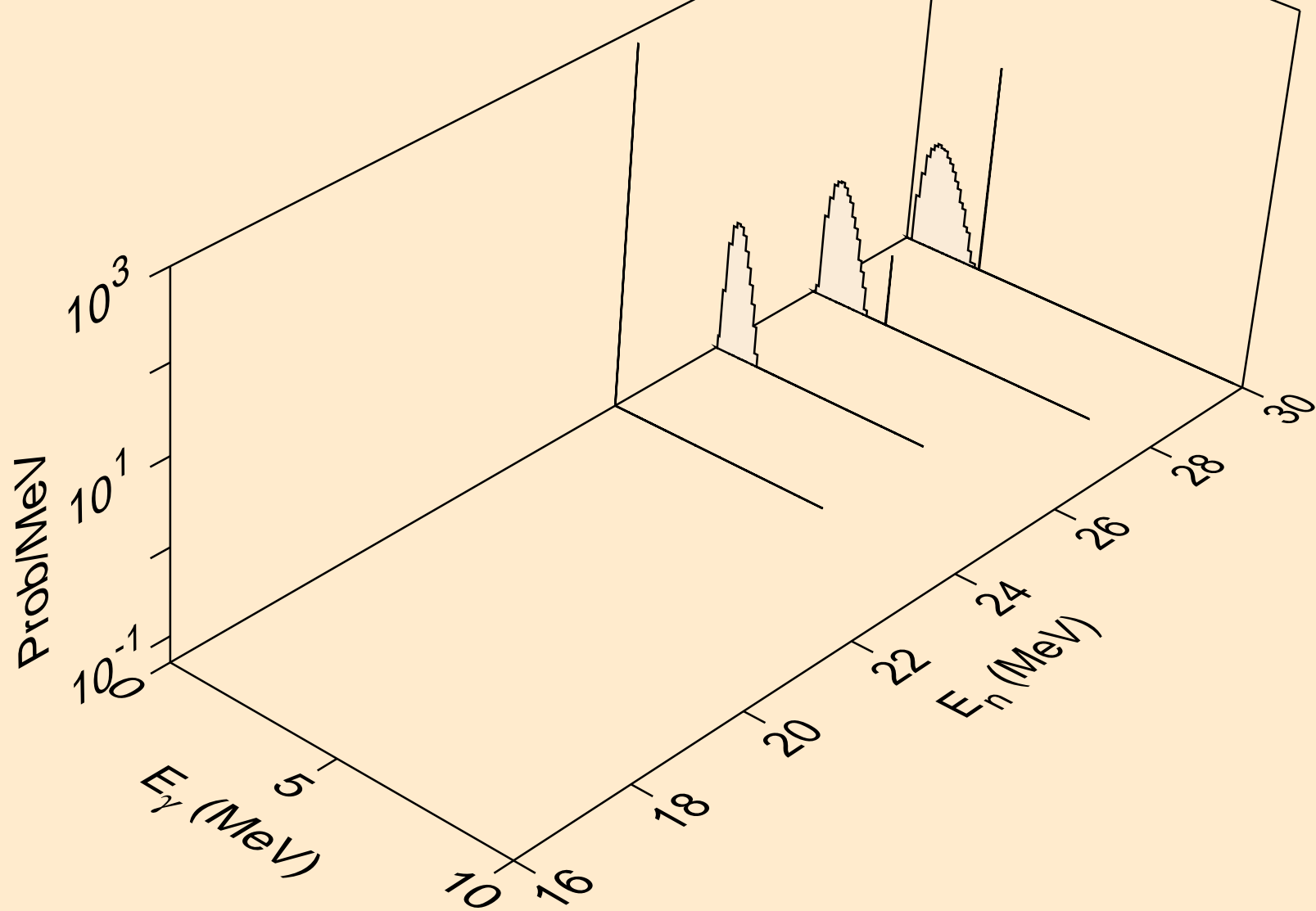


SC042M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p $\alpha$ )

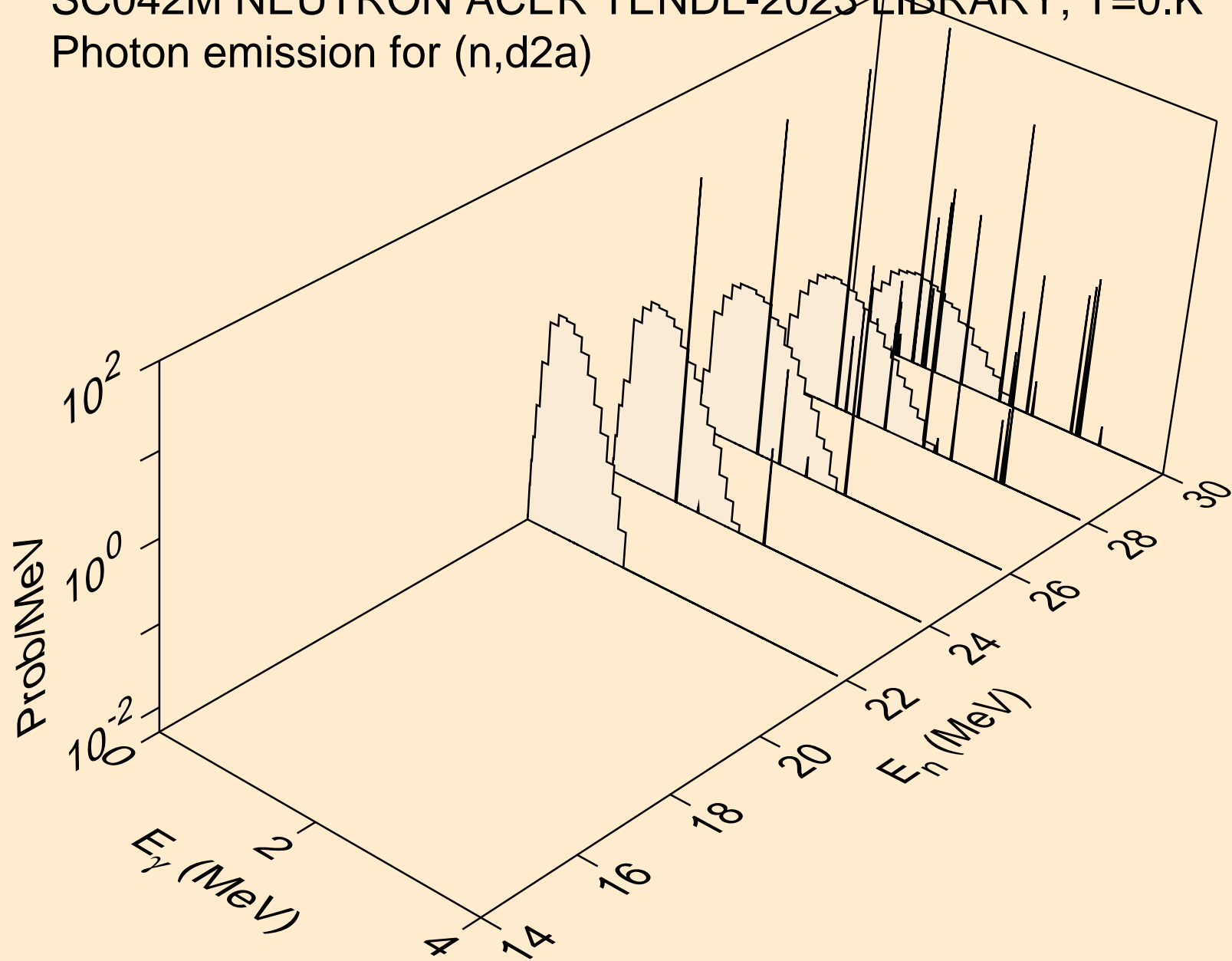




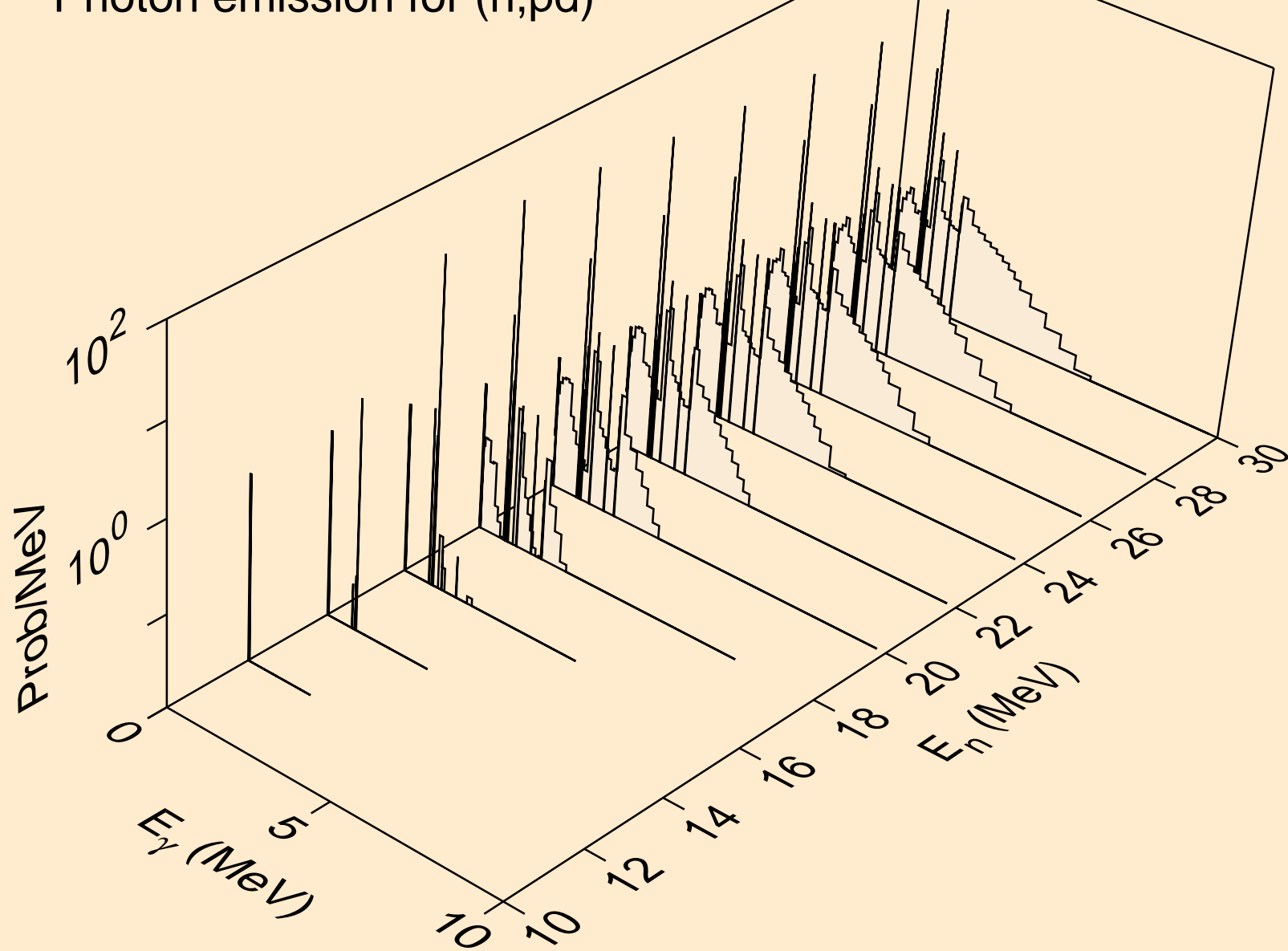
SC042M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t2a)



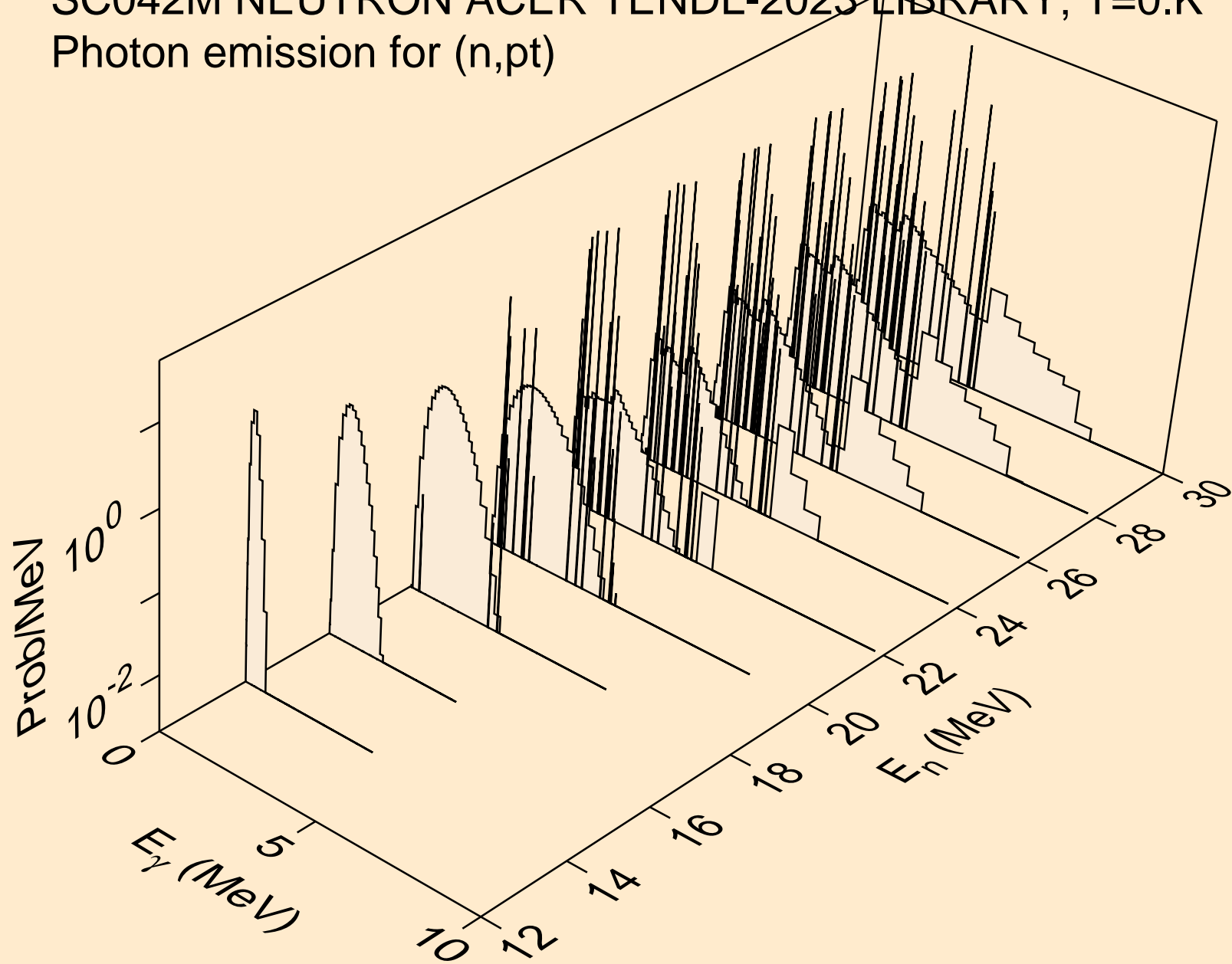
SC042M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d2a)



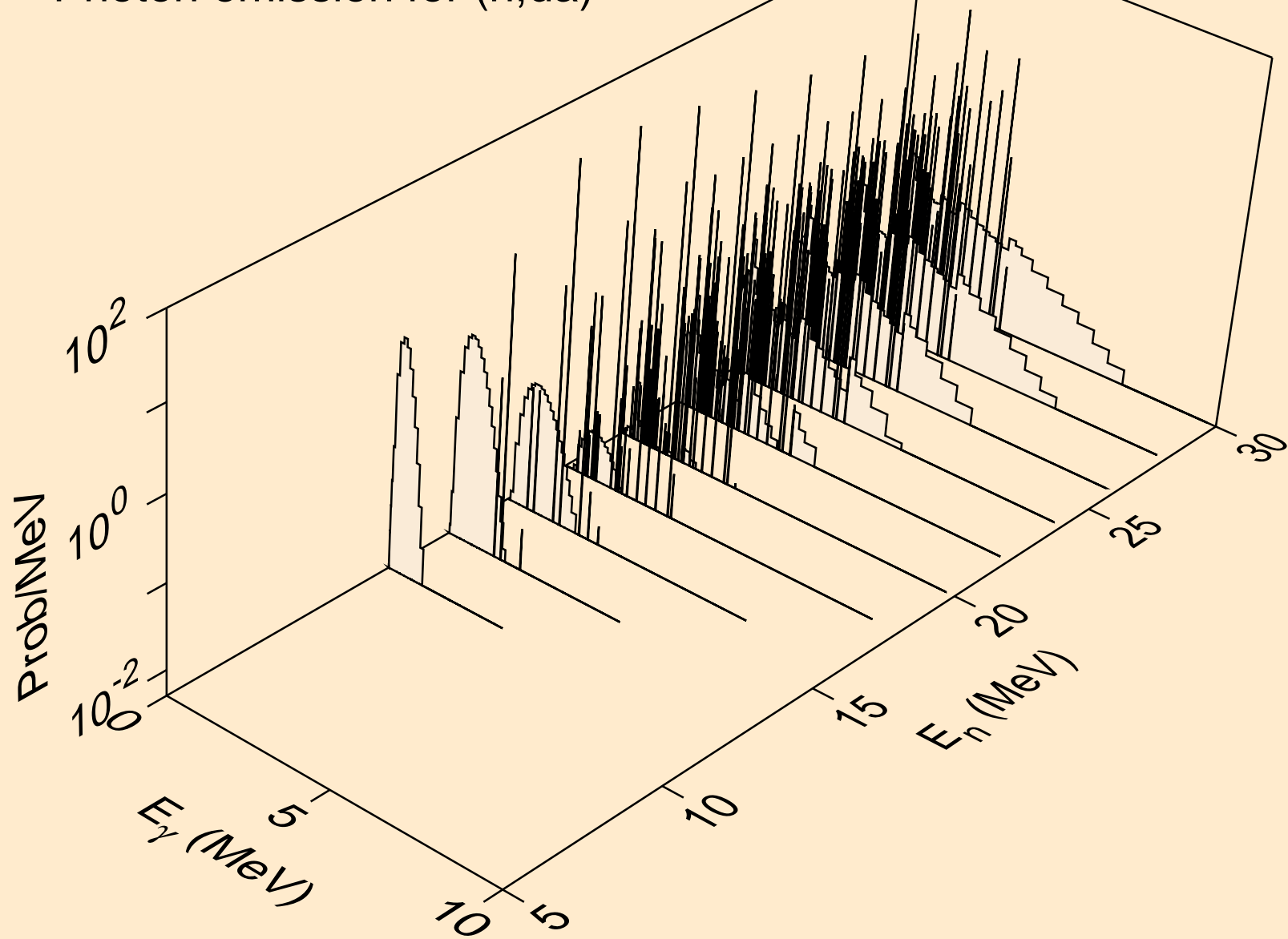
SC042M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)



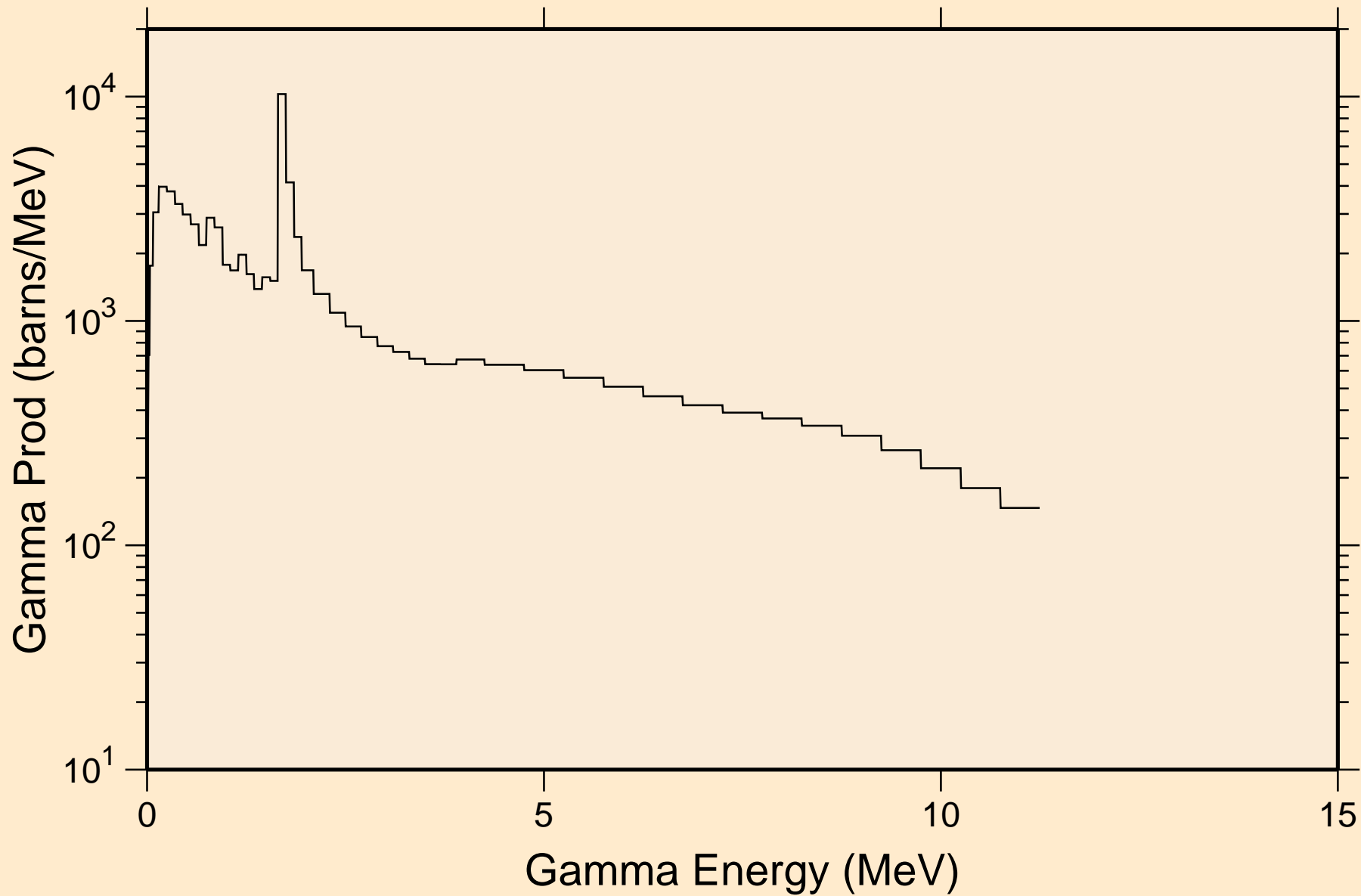
SC042M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)



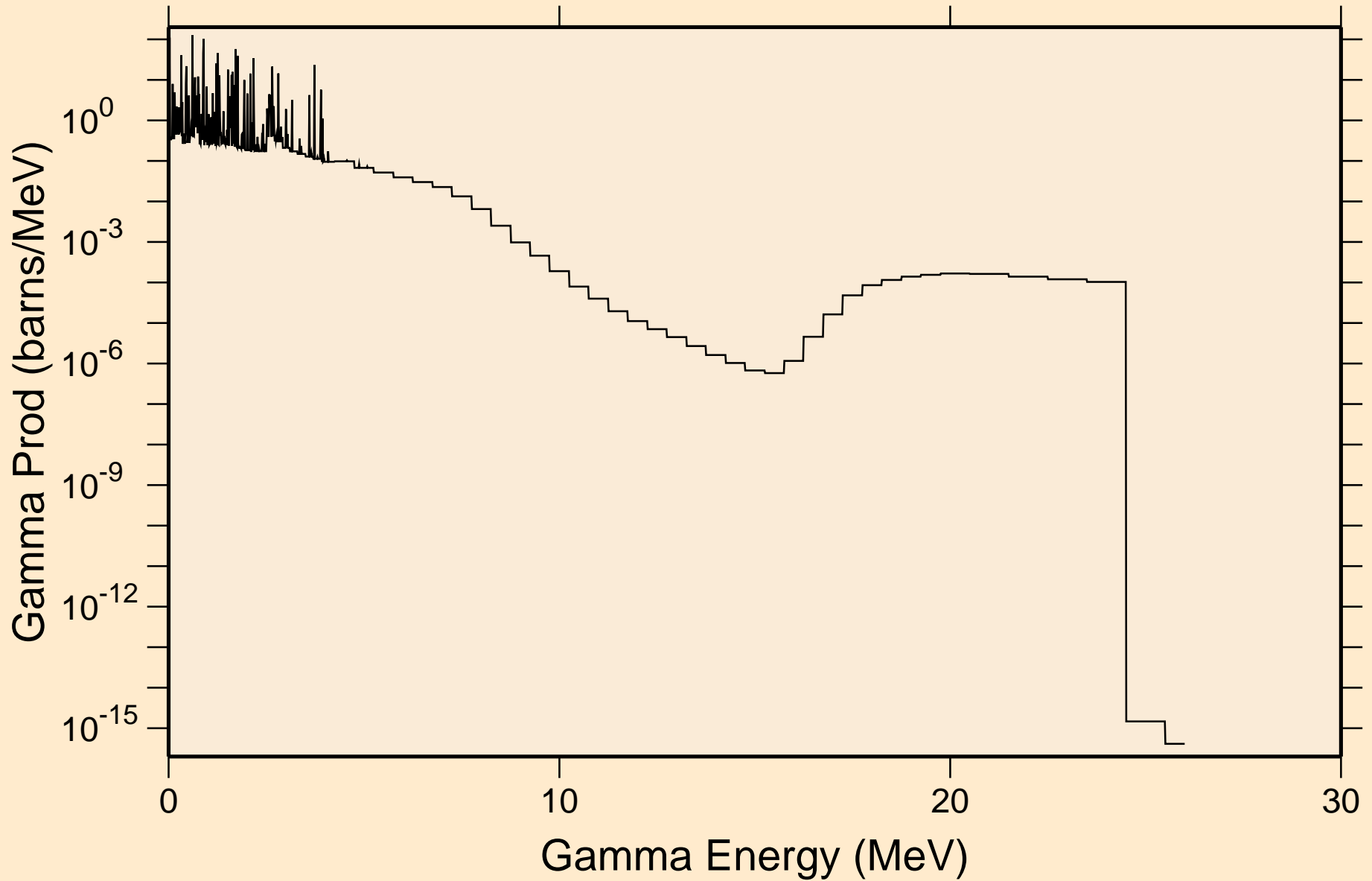
SC042M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)



SC042M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
thermal capture photon spectrum

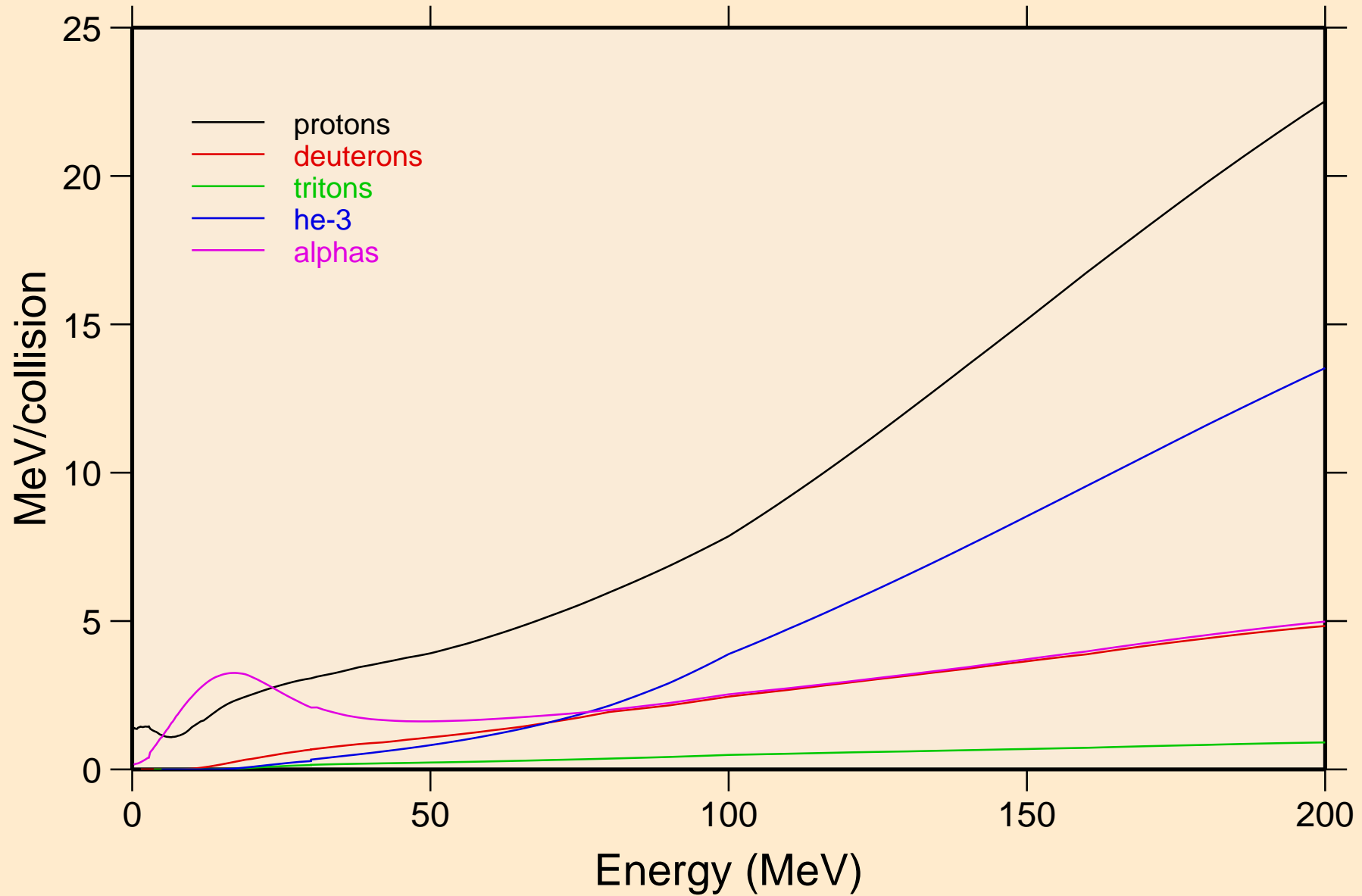


SC042M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
14 MeV photon spectrum



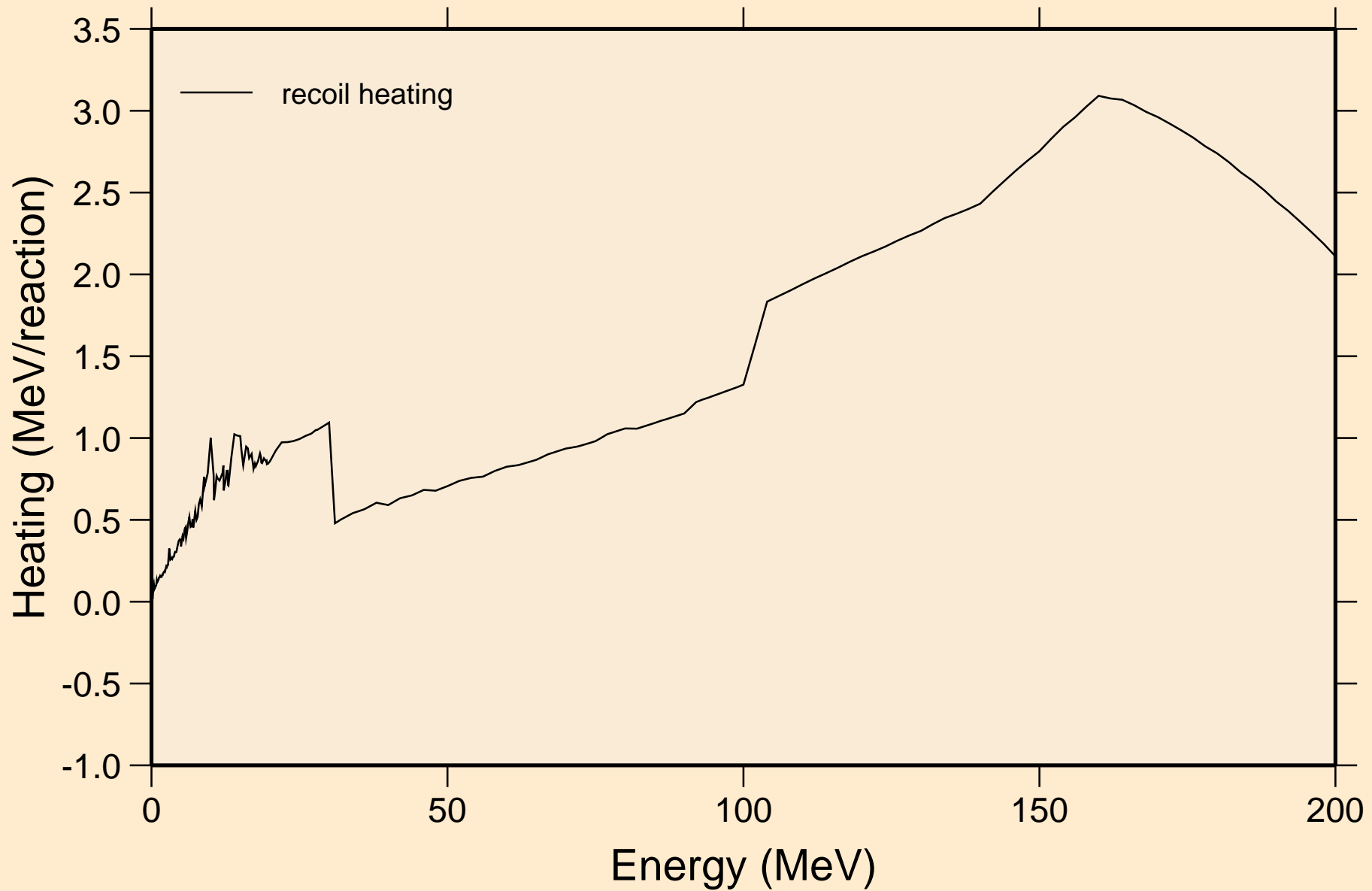
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## Particle heating contributions



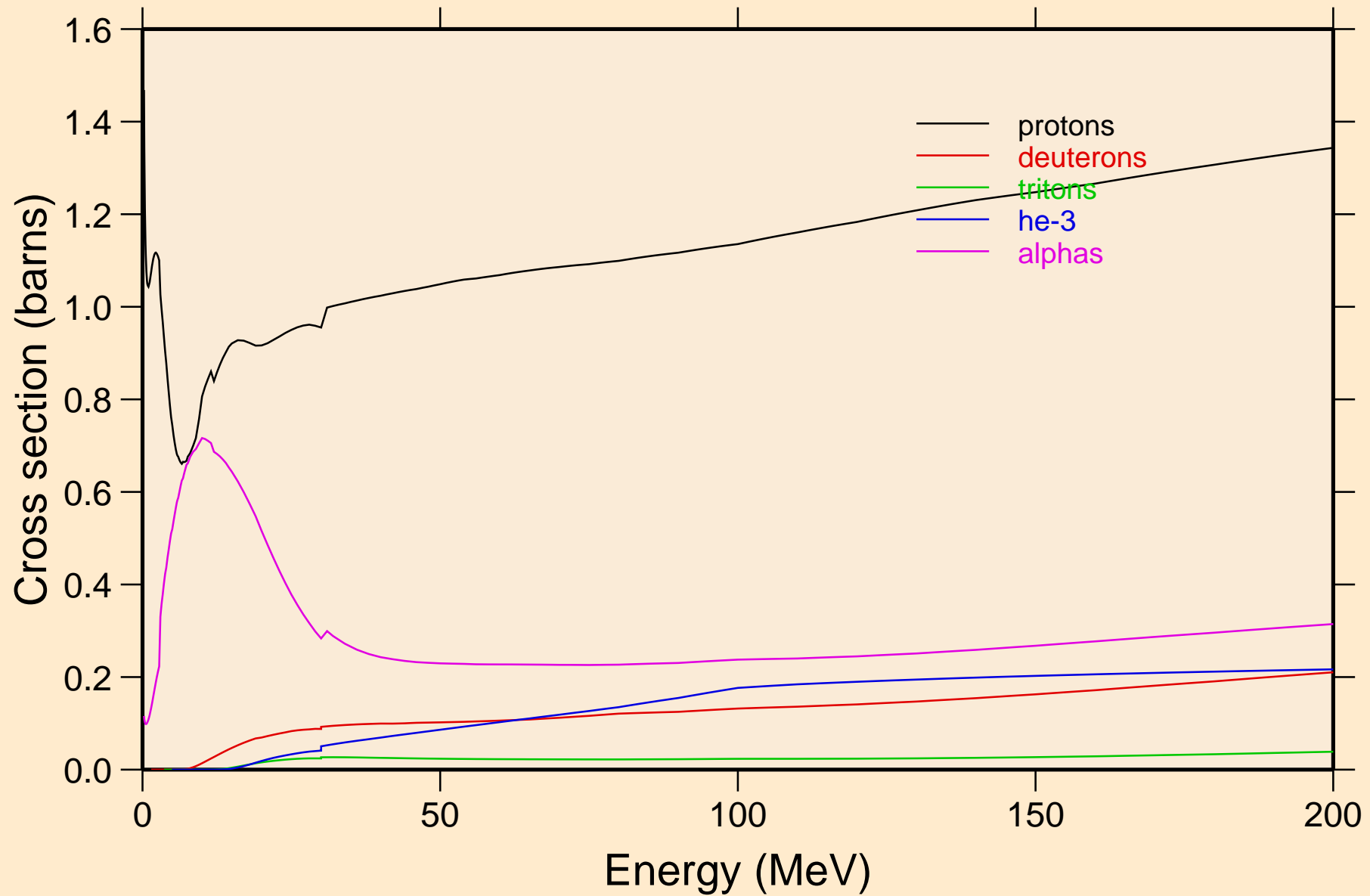


SC042M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating

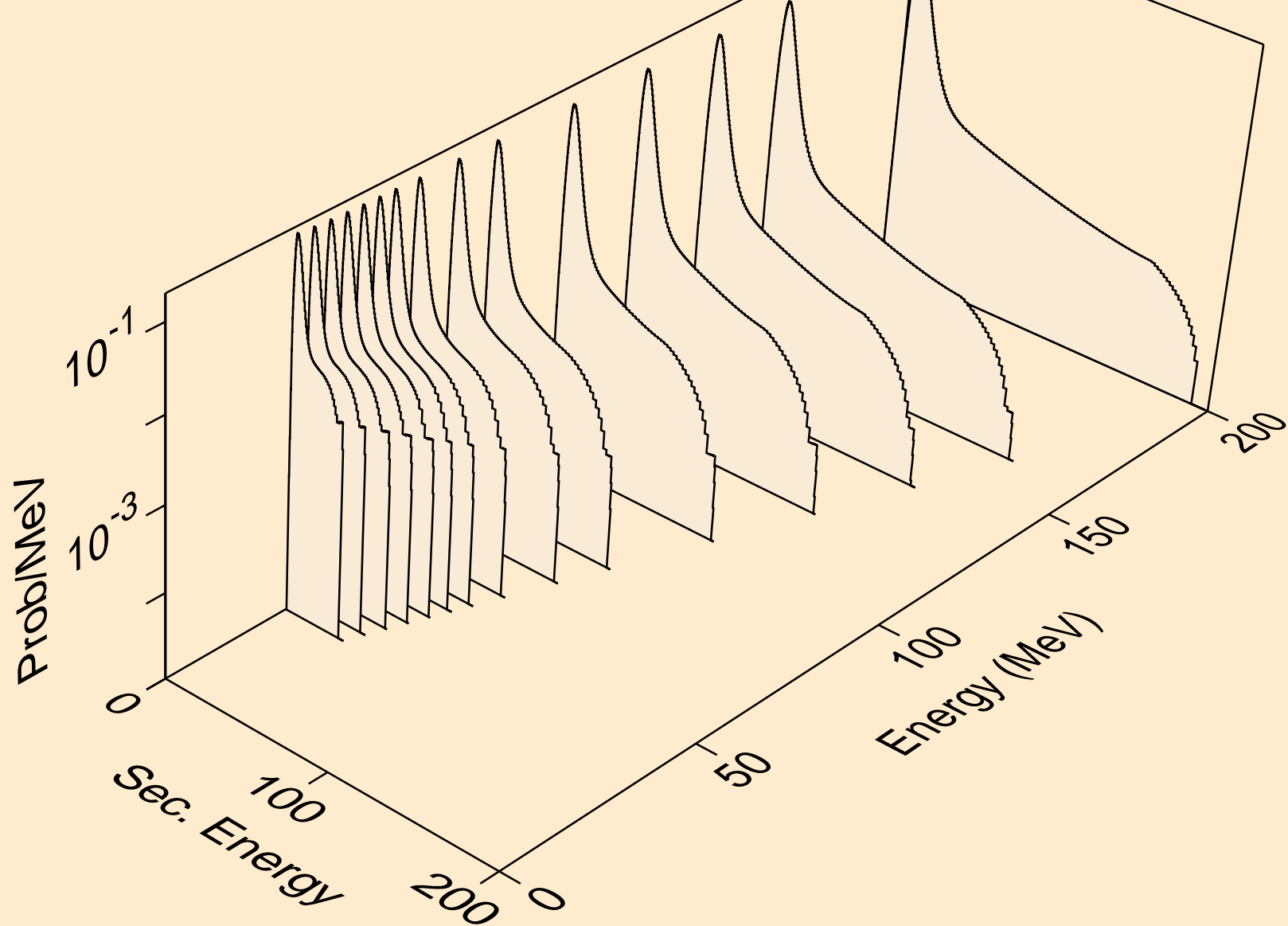


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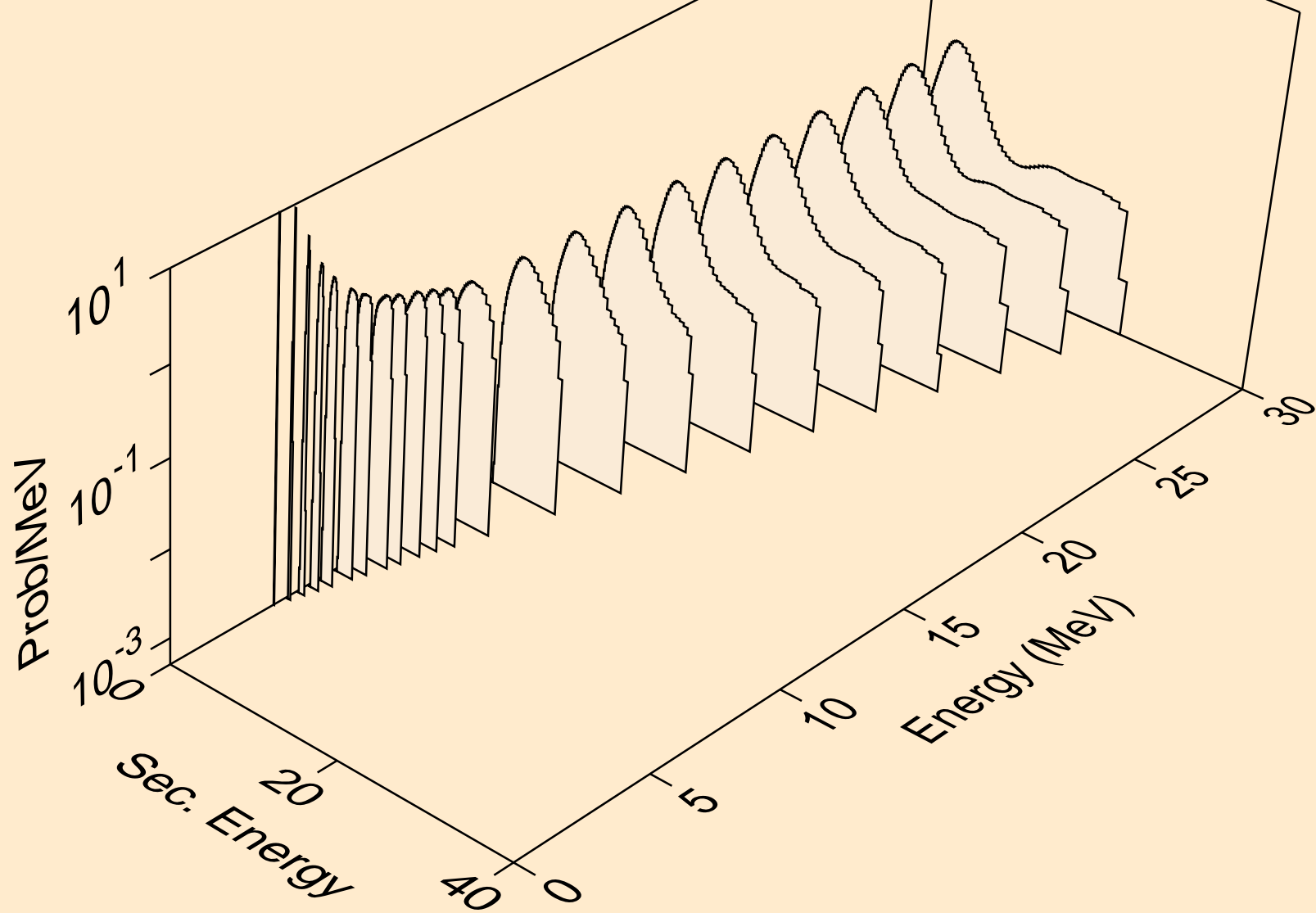
## Particle production cross sections



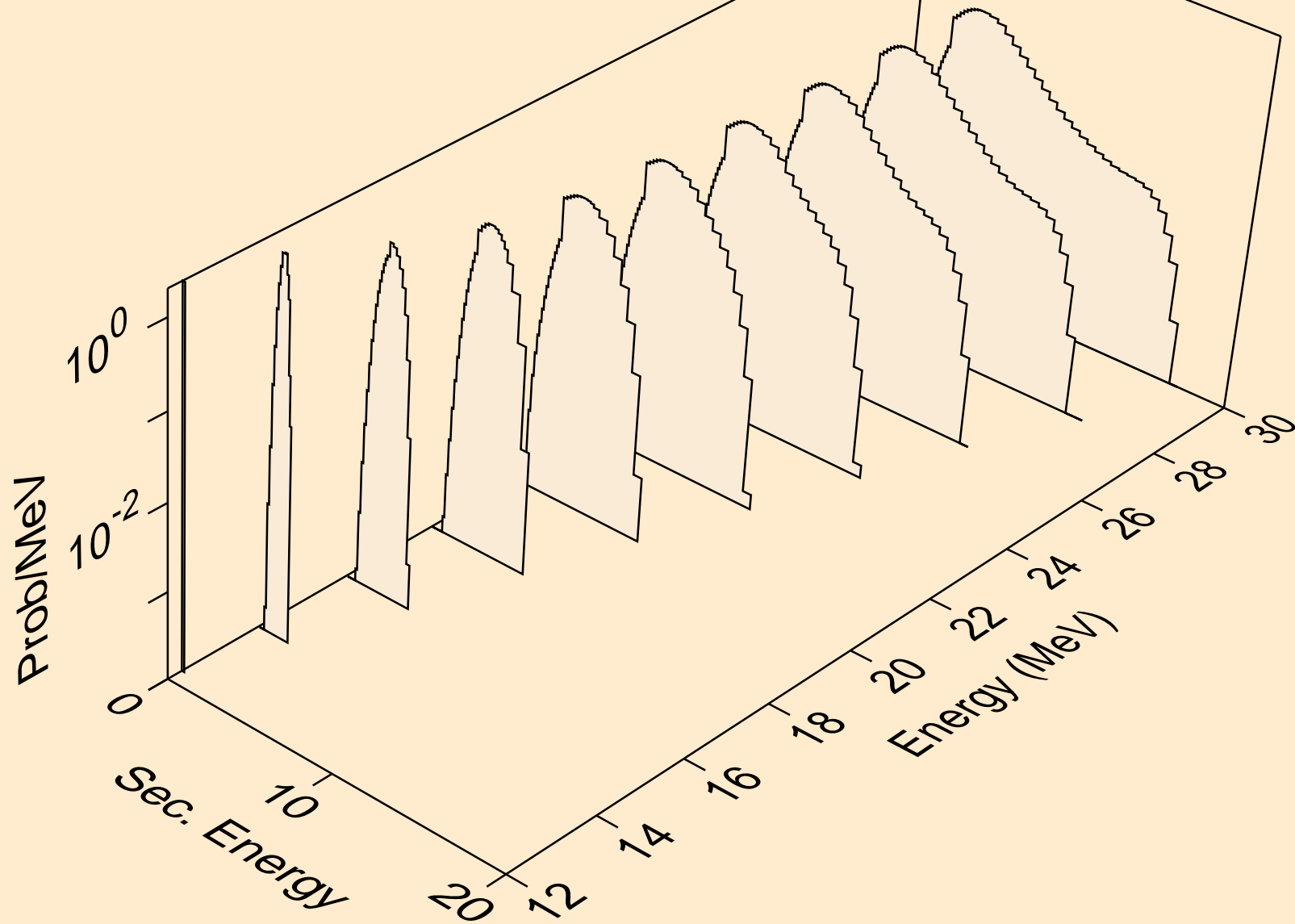
SC042M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,x)



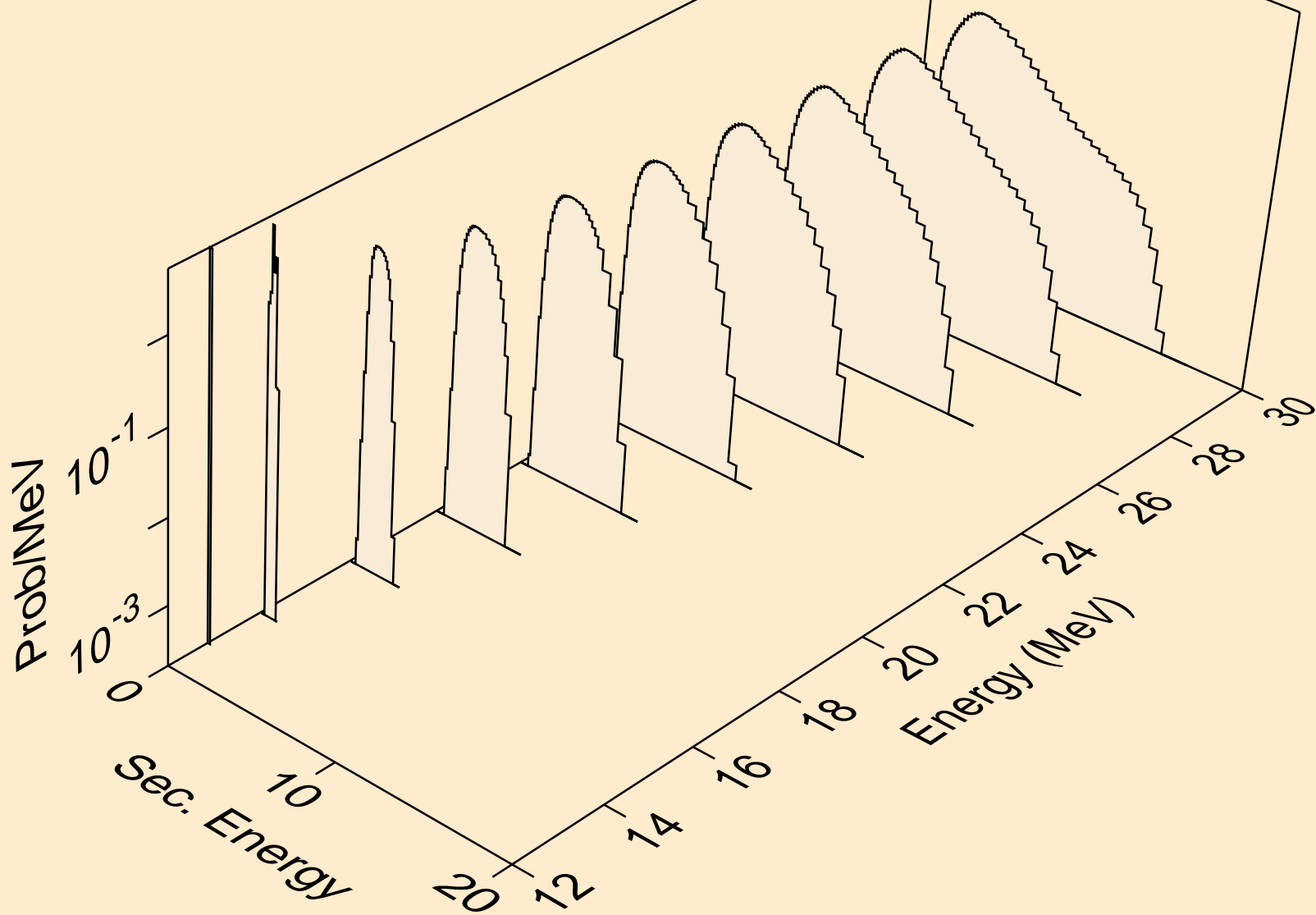
SC042M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n\*)p



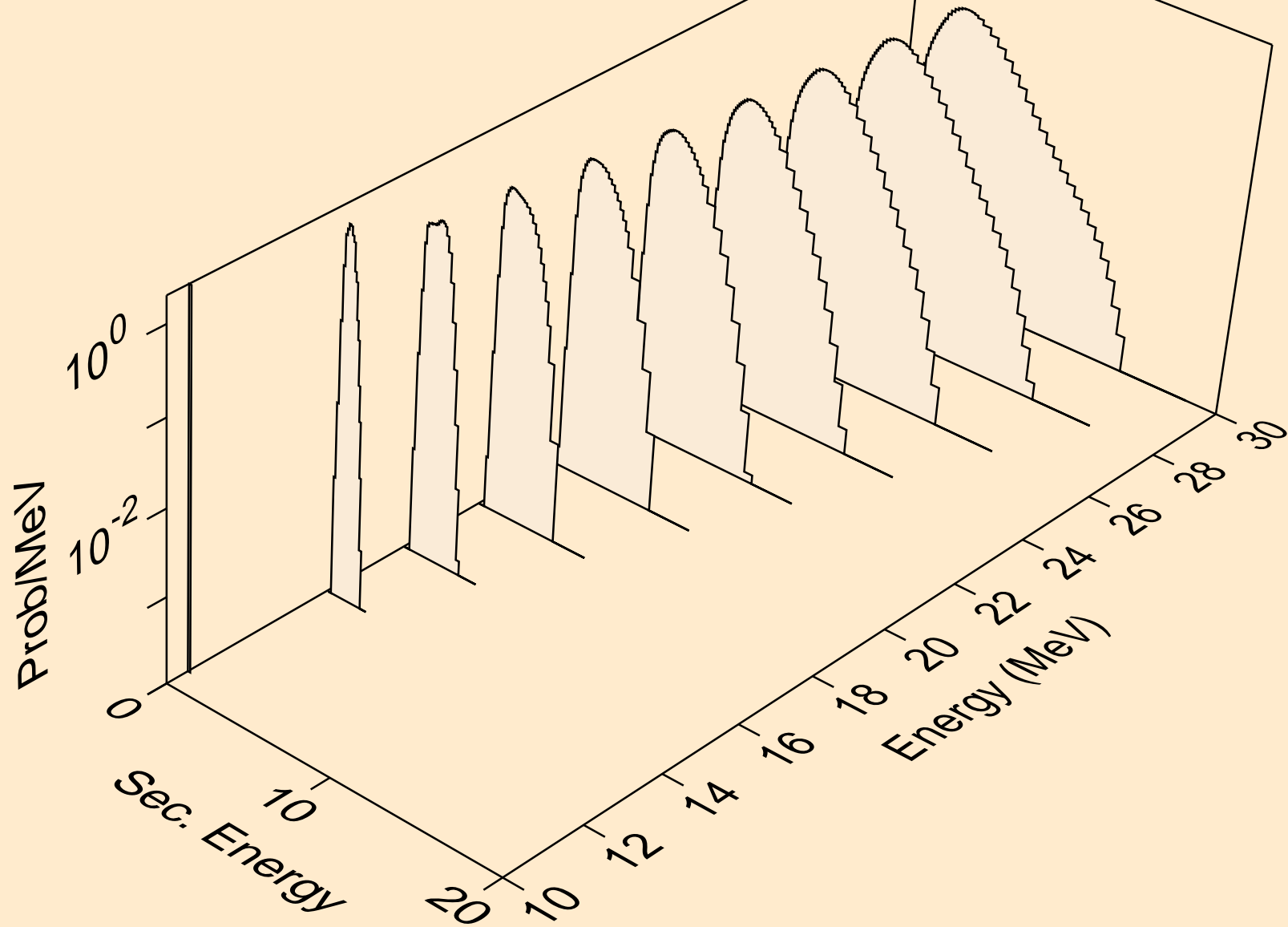
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protons from (n,2np)



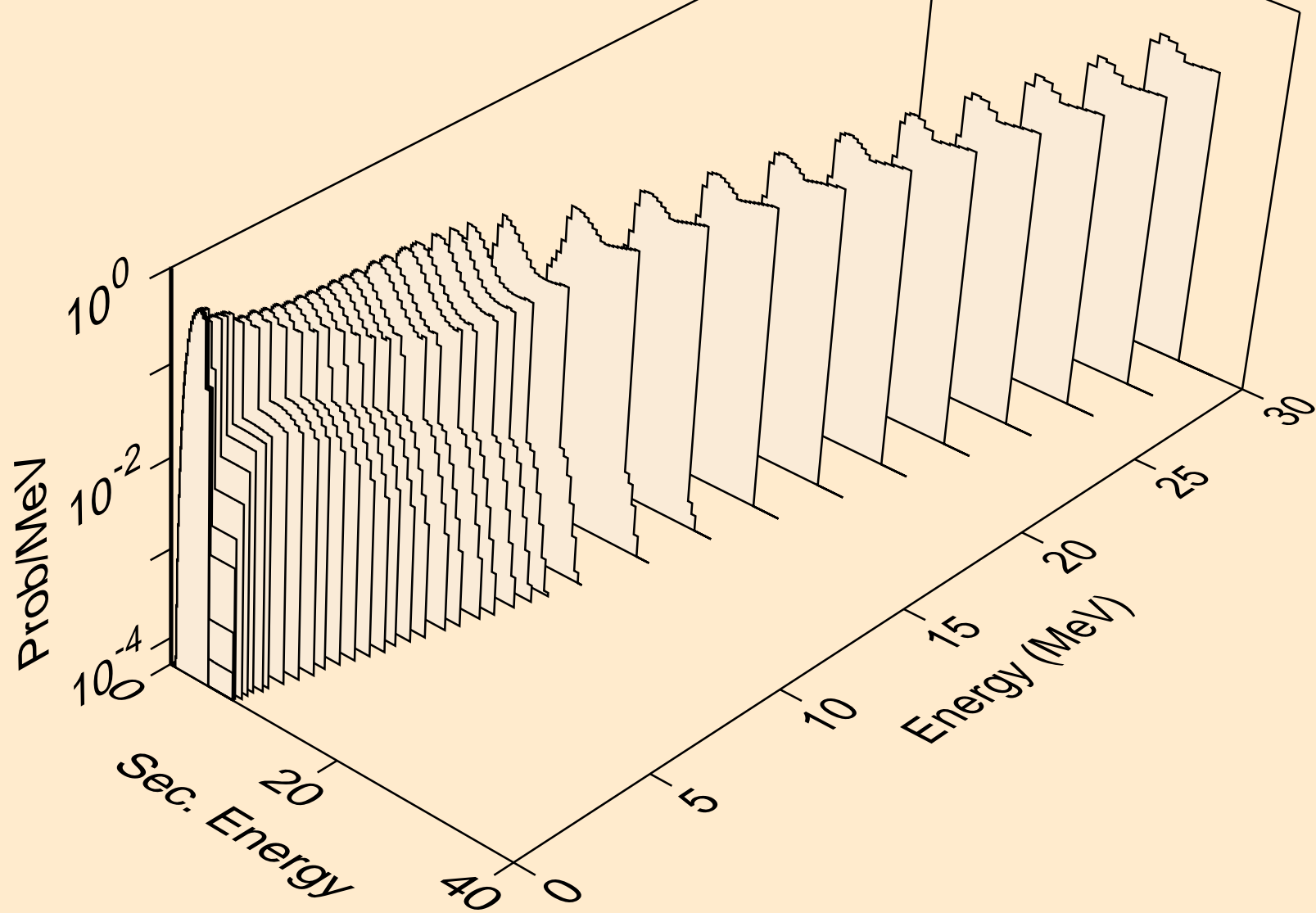
SC042M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n2p)



SC042M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,npa)

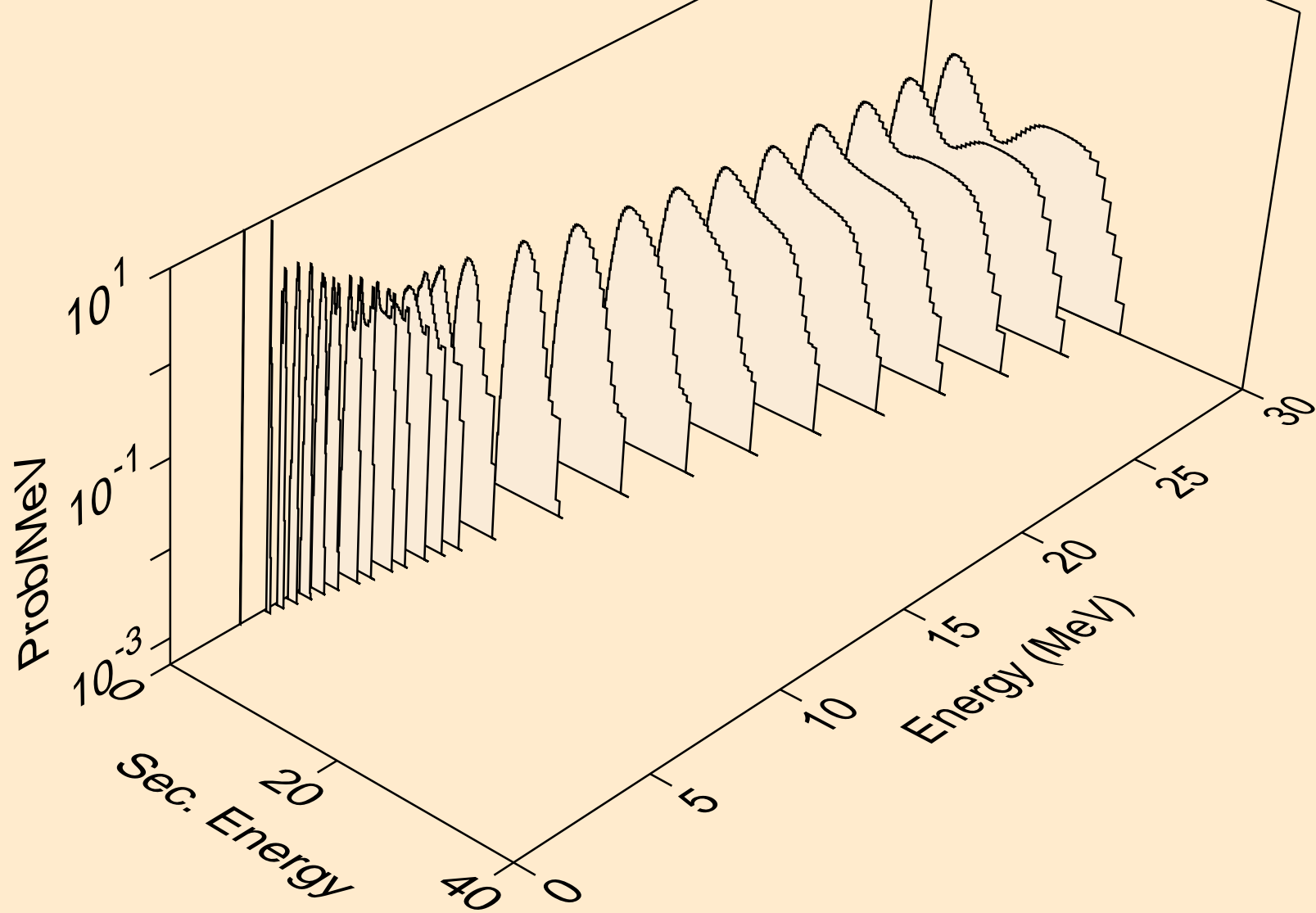


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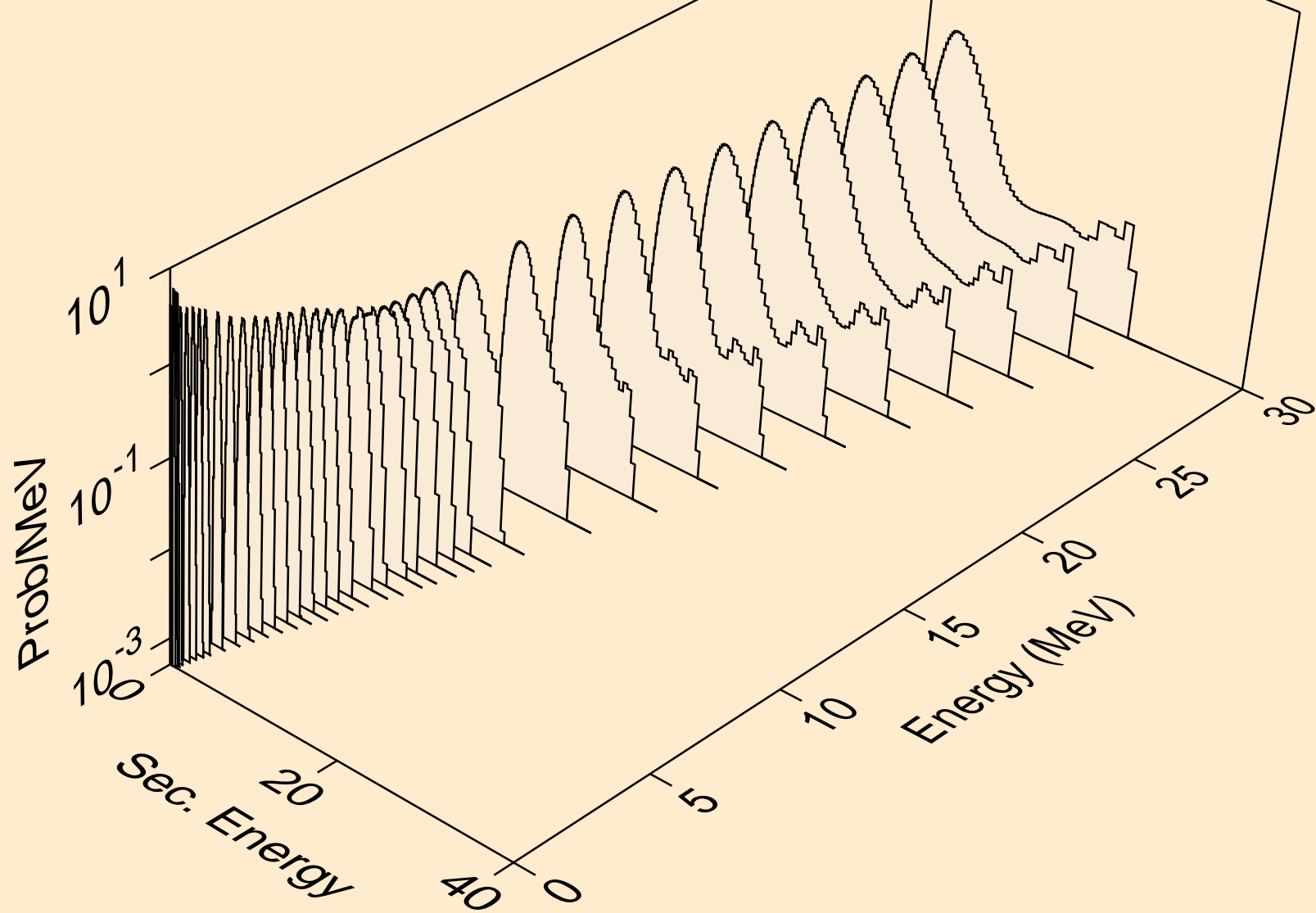




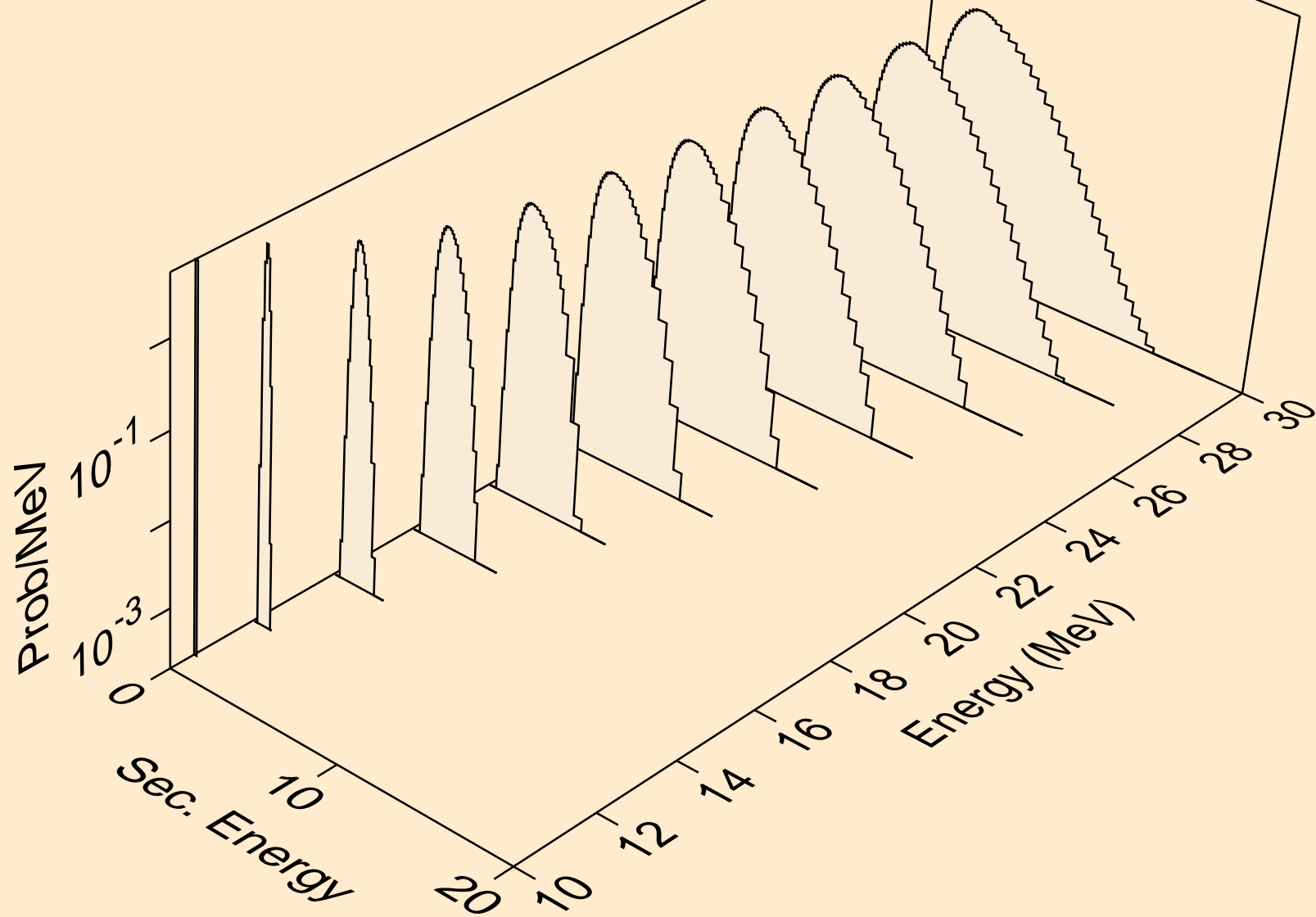
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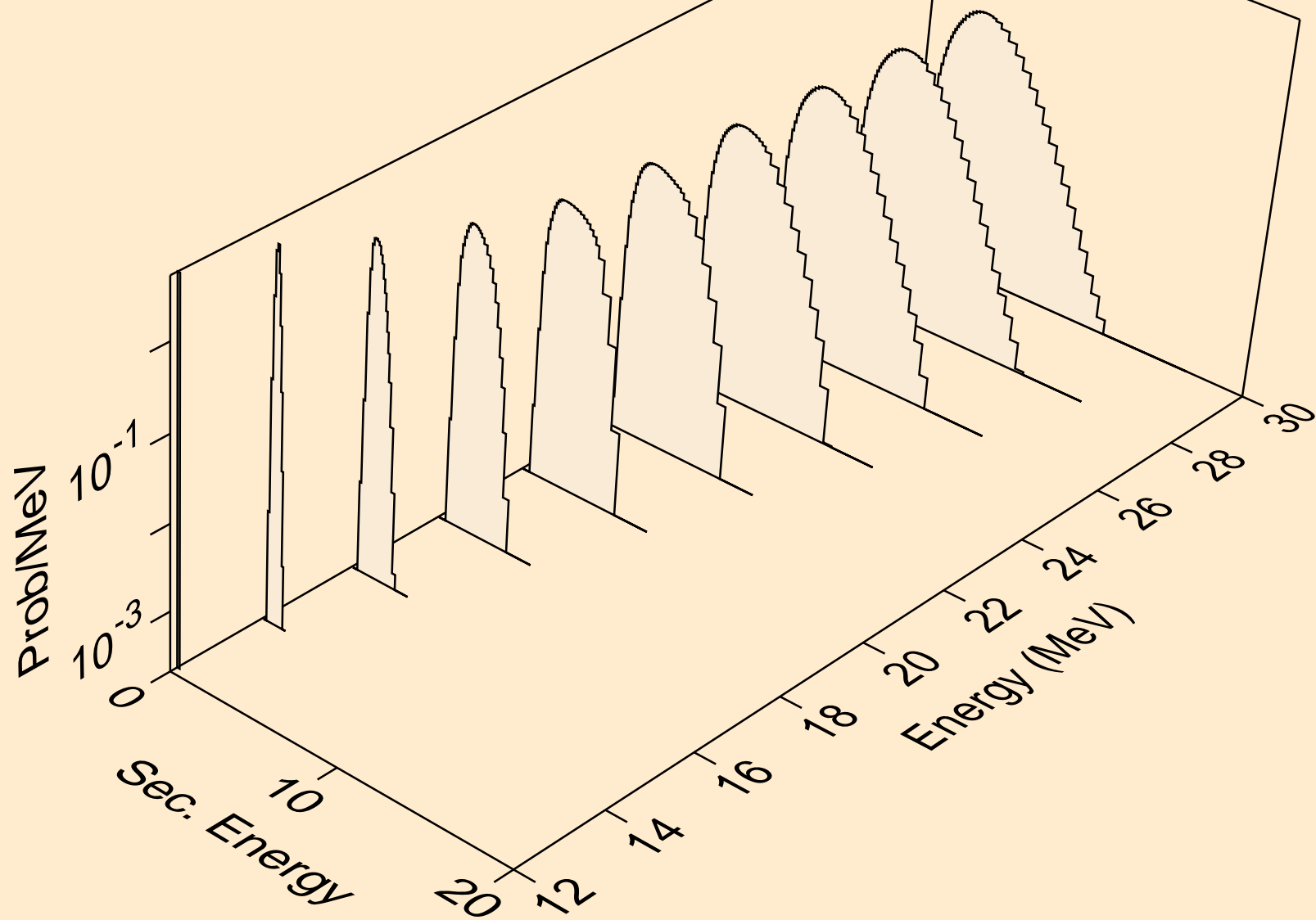
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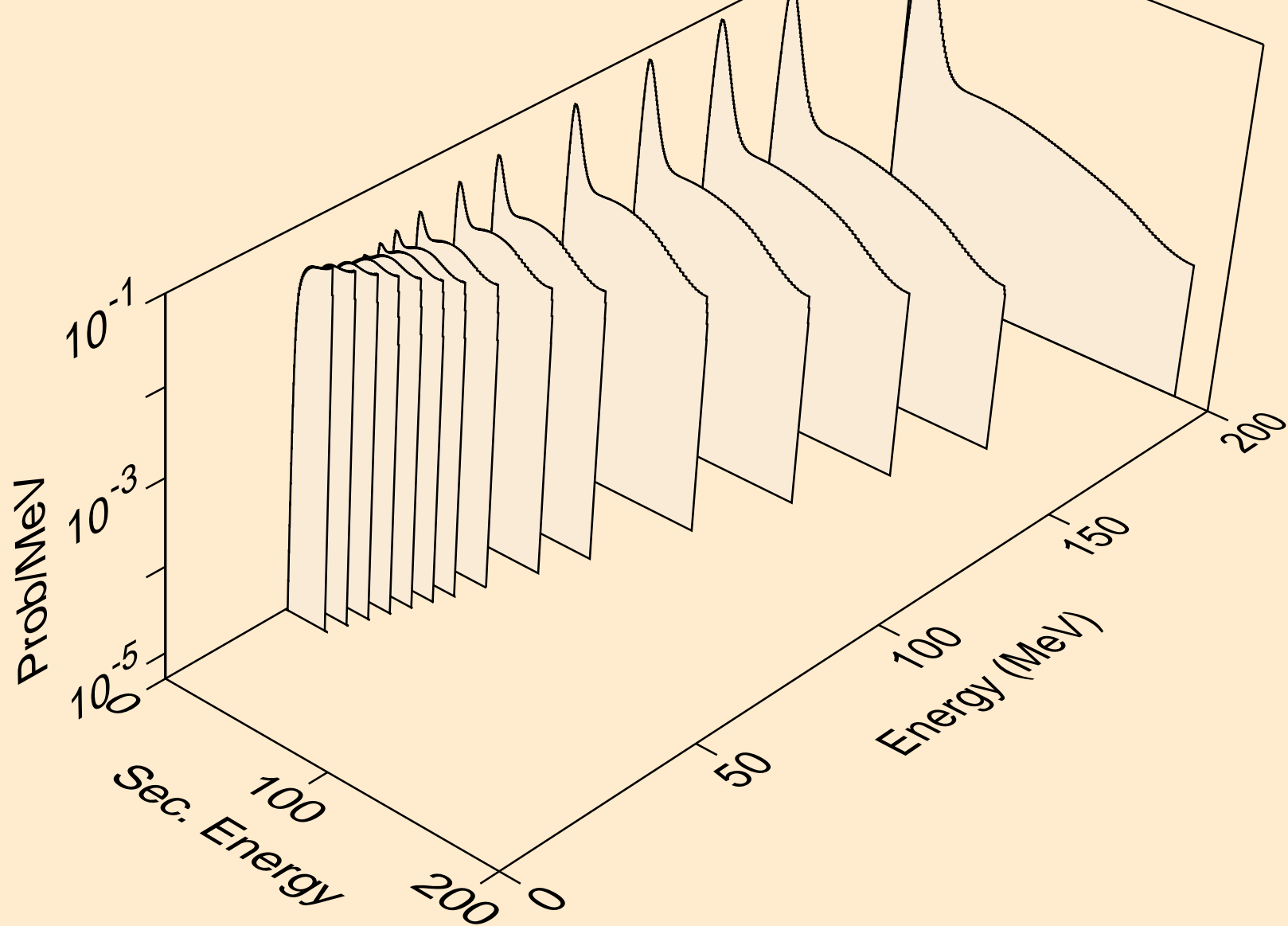
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protons from (n,pd)



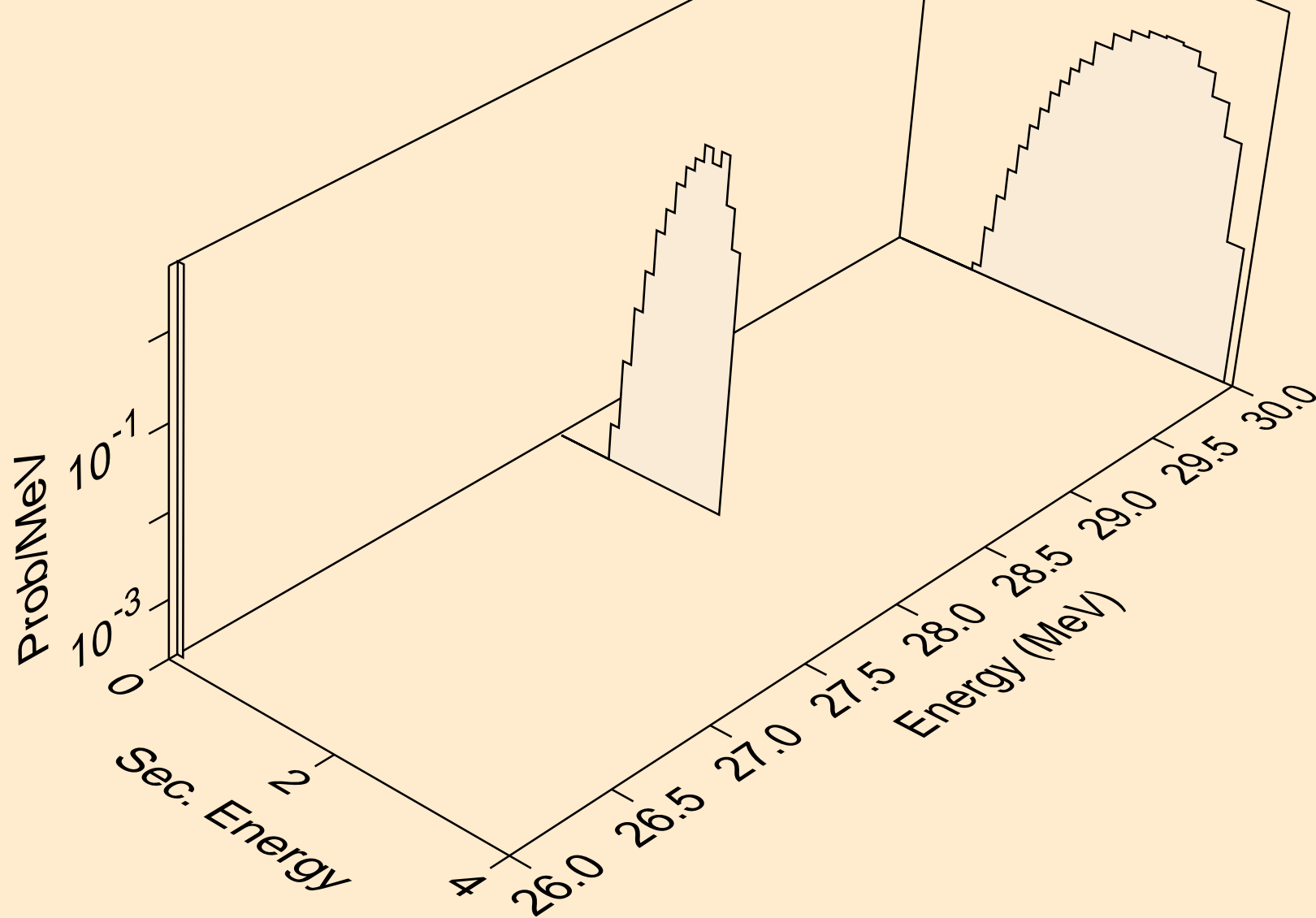
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protons from (n,pt)



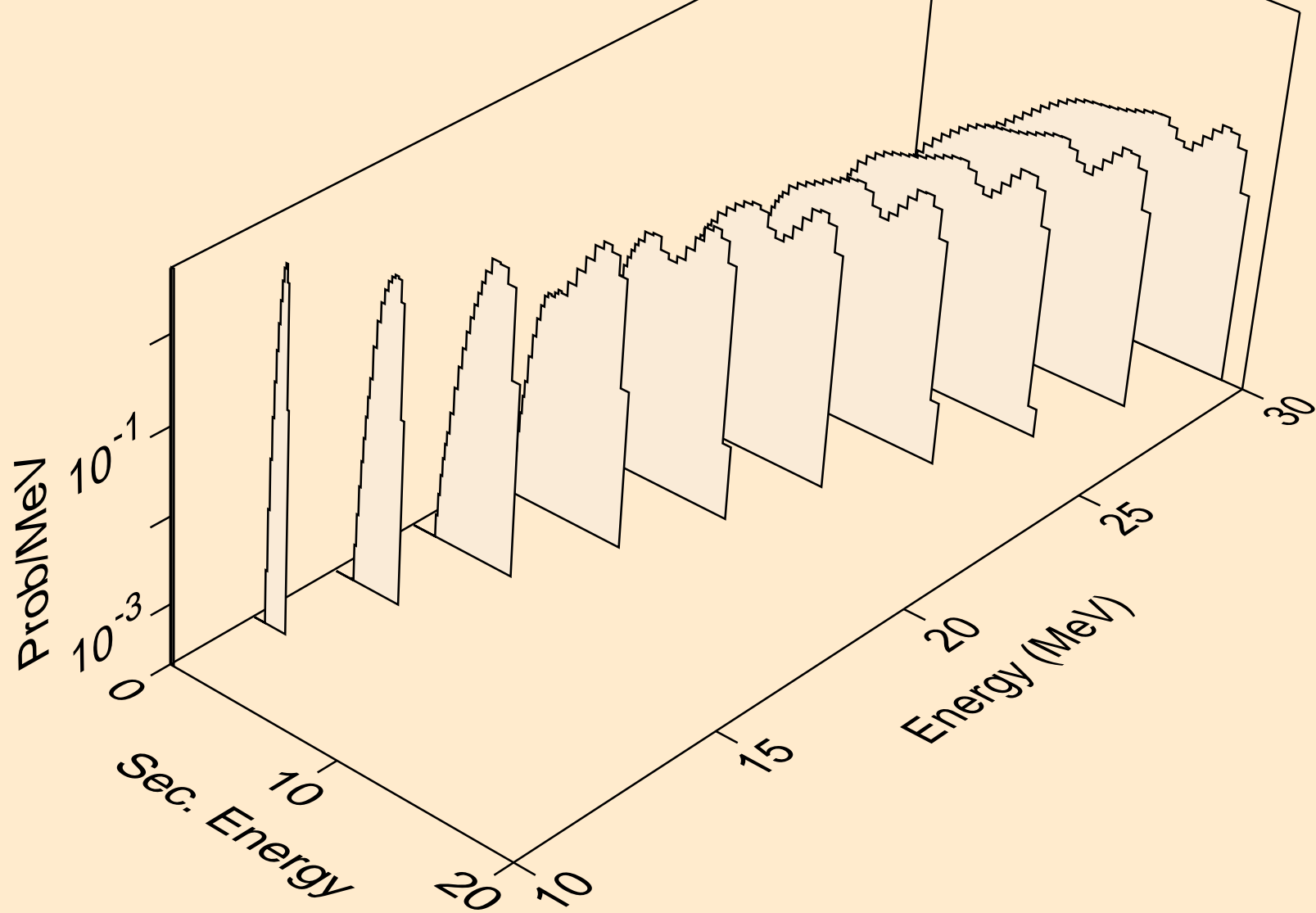
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deuterons from (n,x)



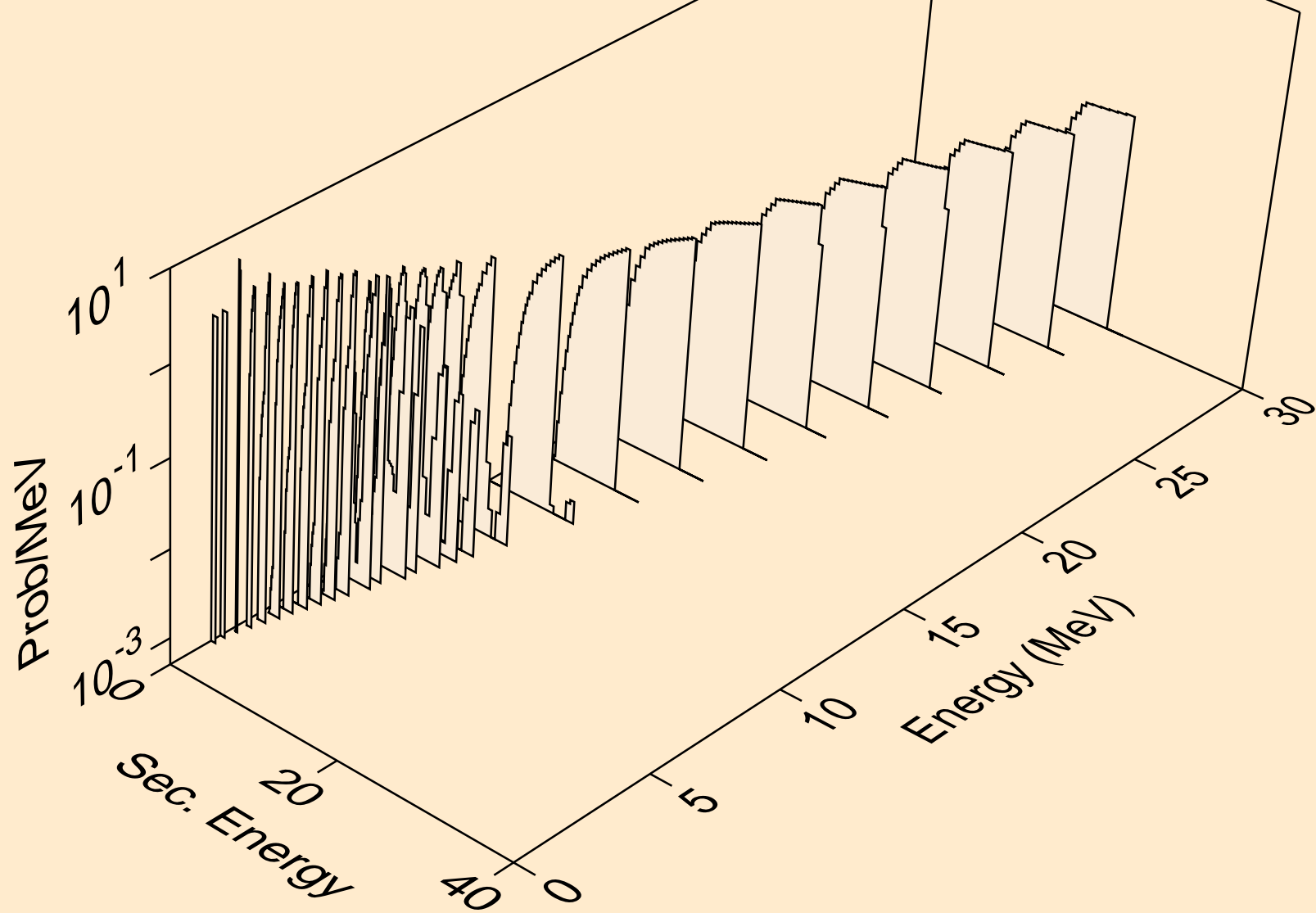
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deuterons from (n,2nd)



SC042M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,n\*)d

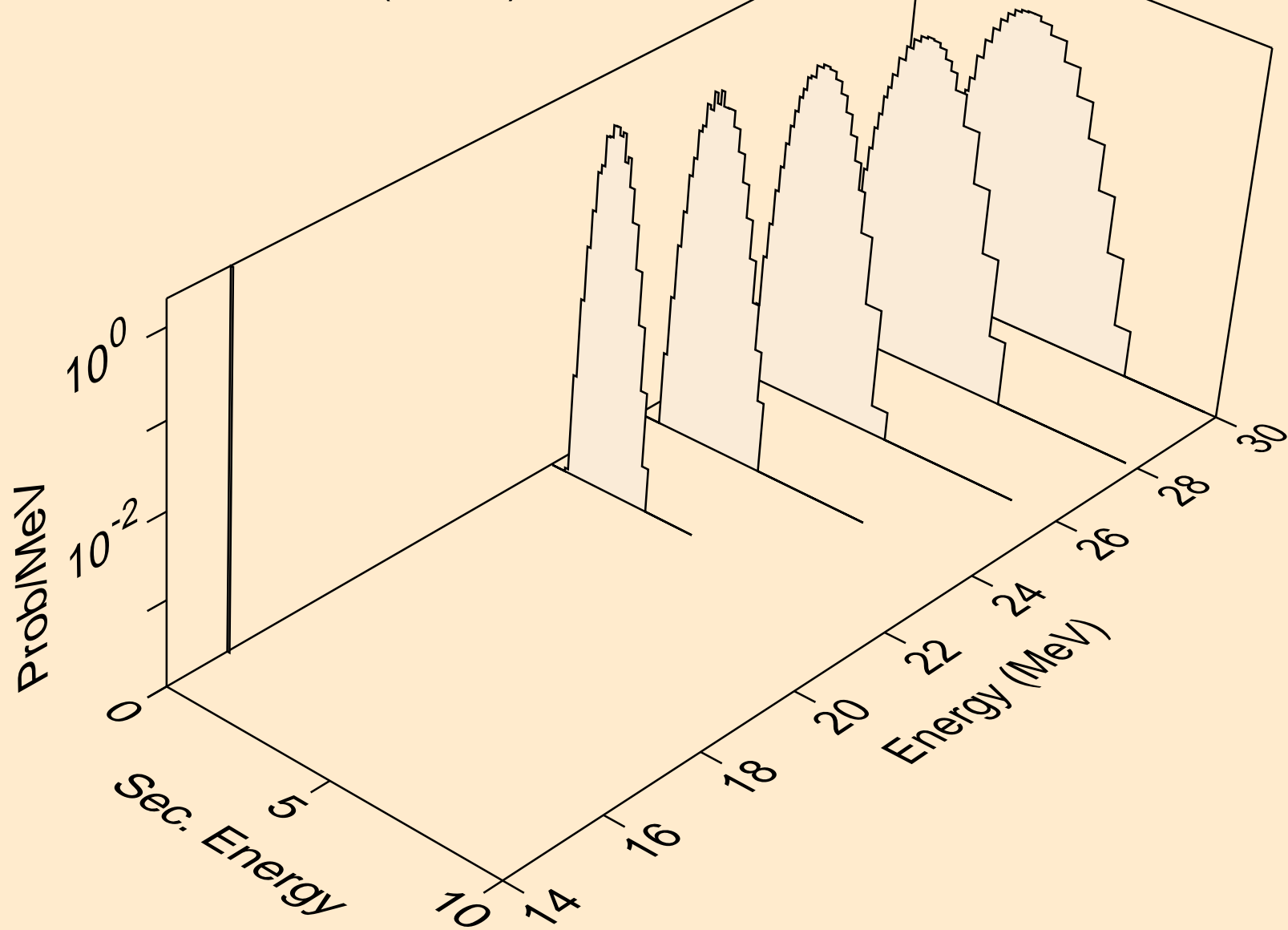


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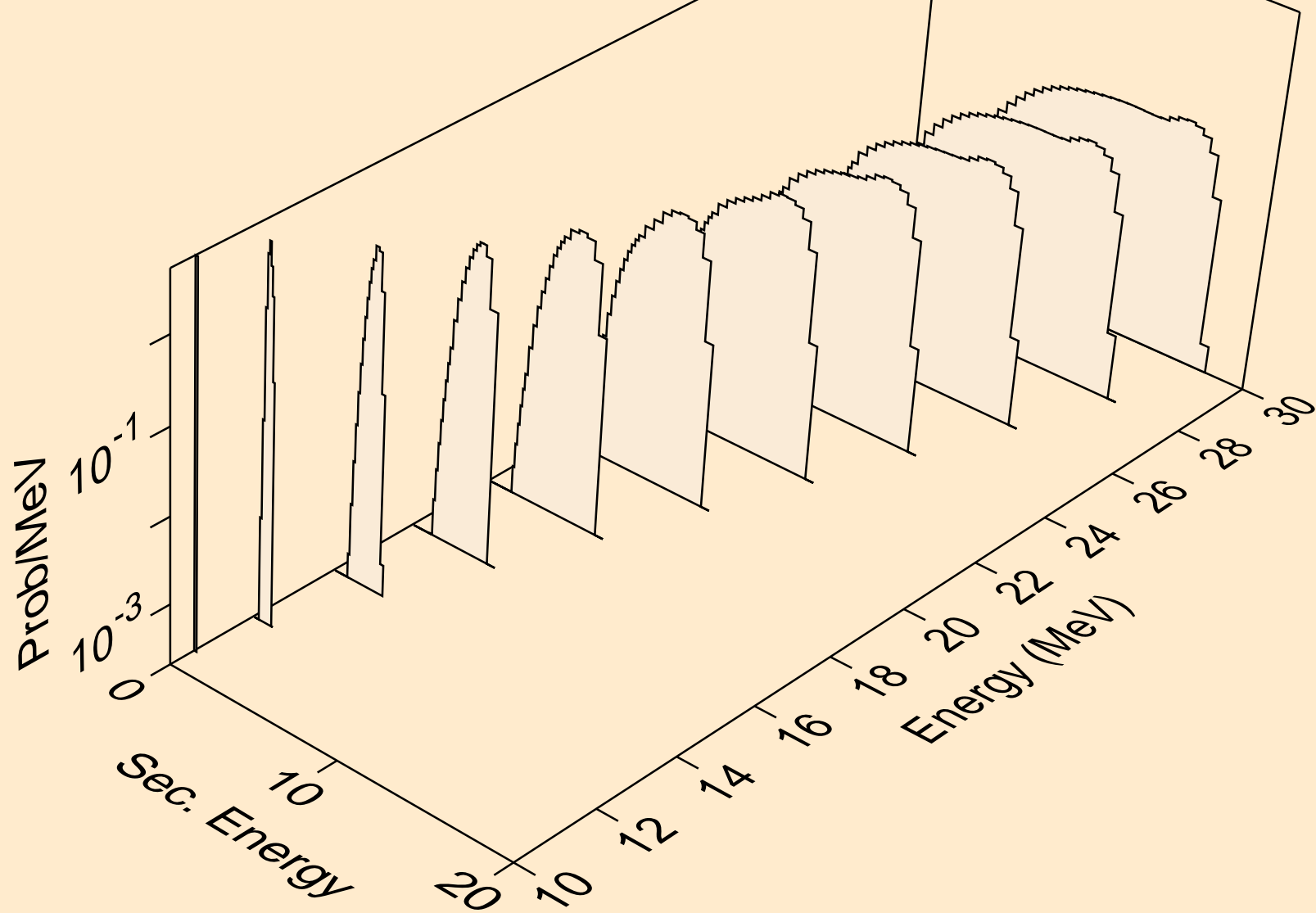




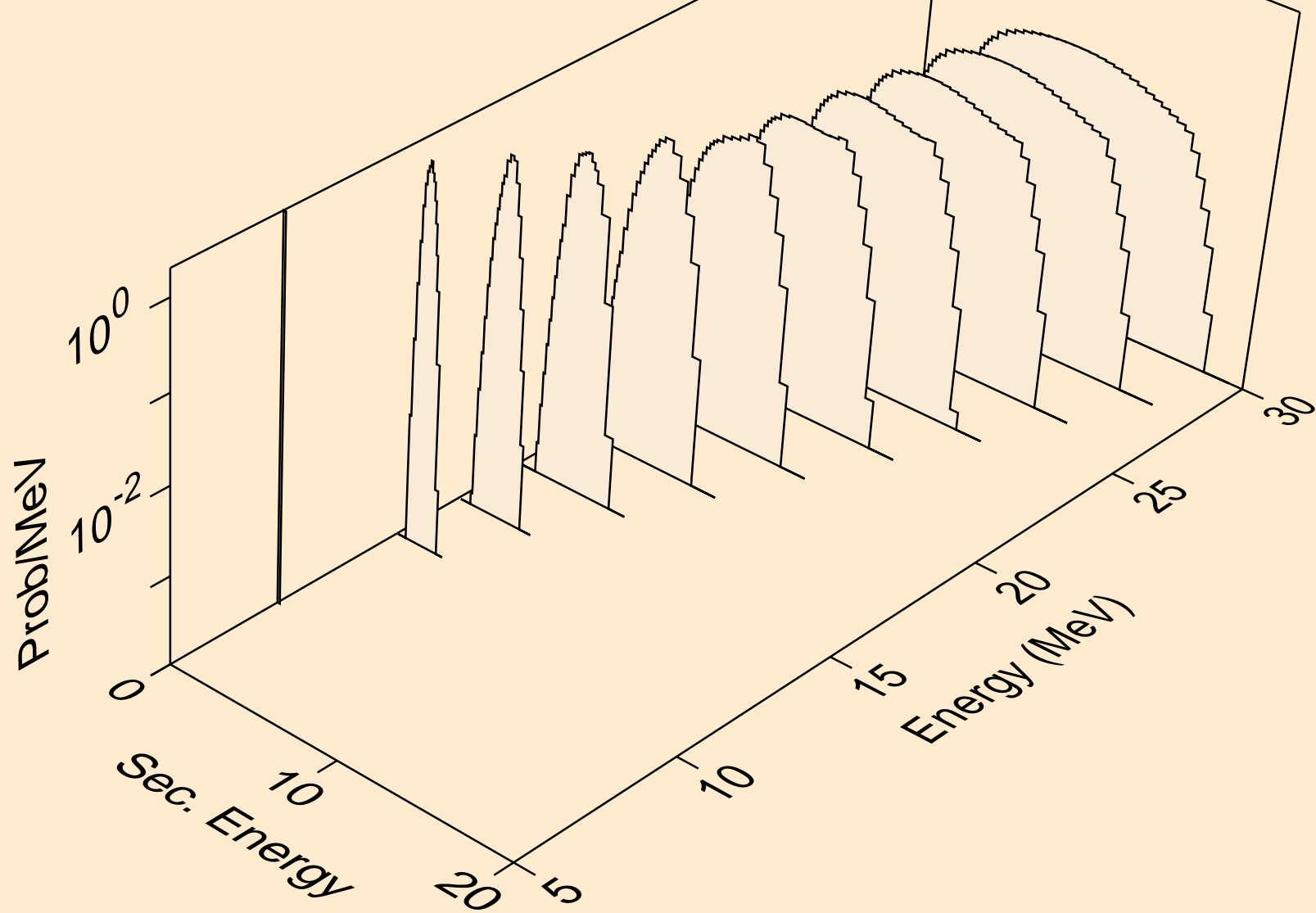
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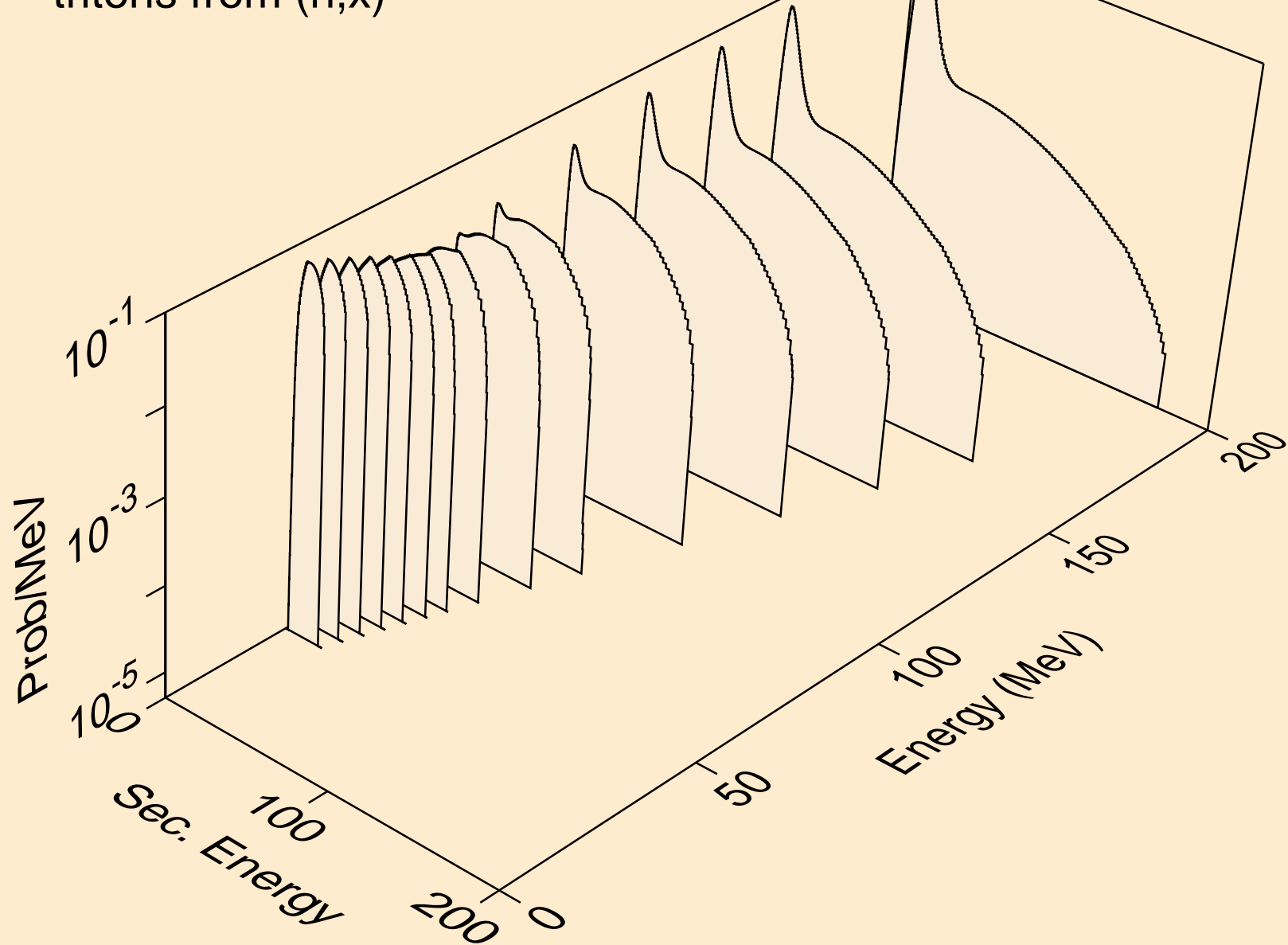
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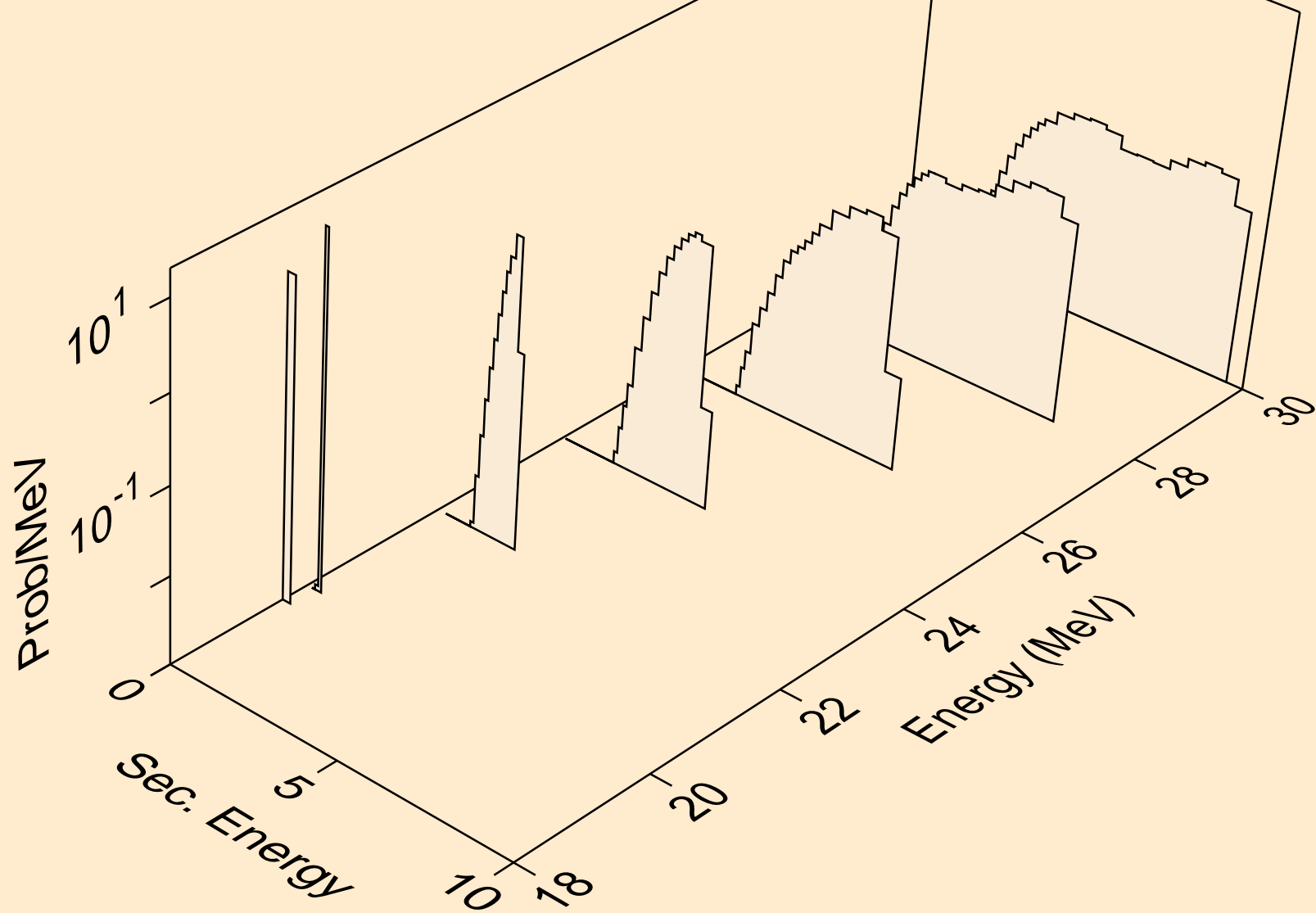
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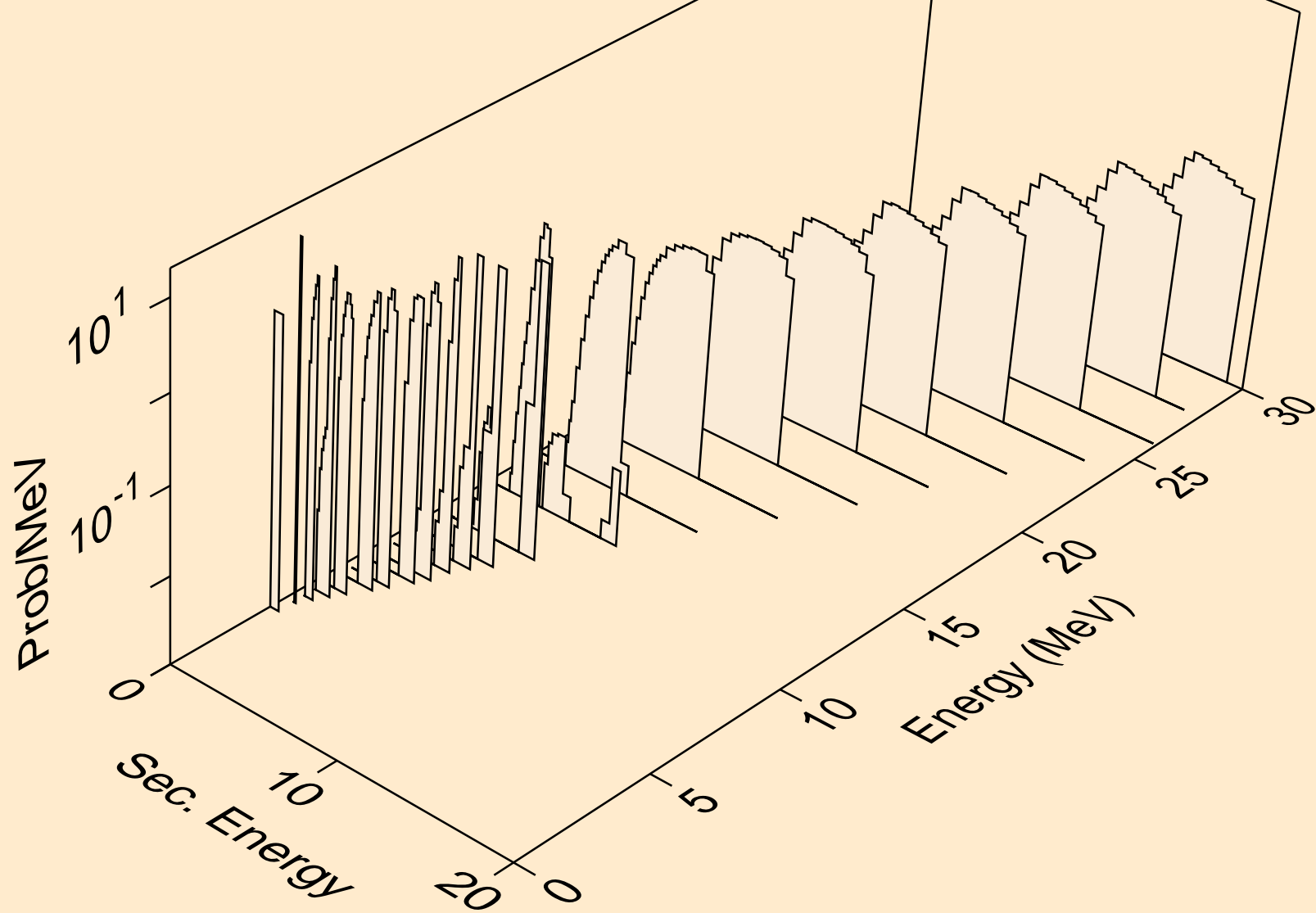
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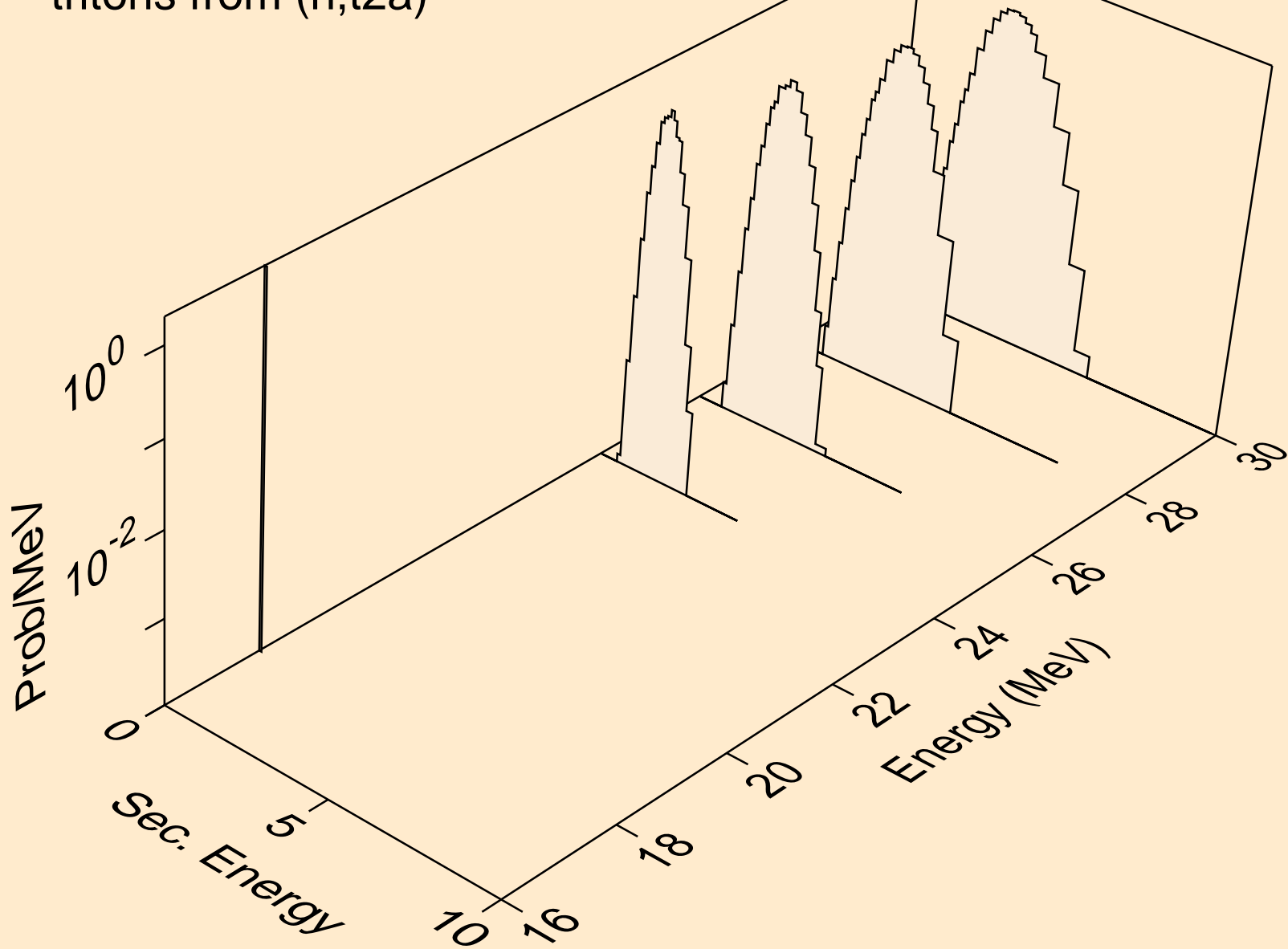
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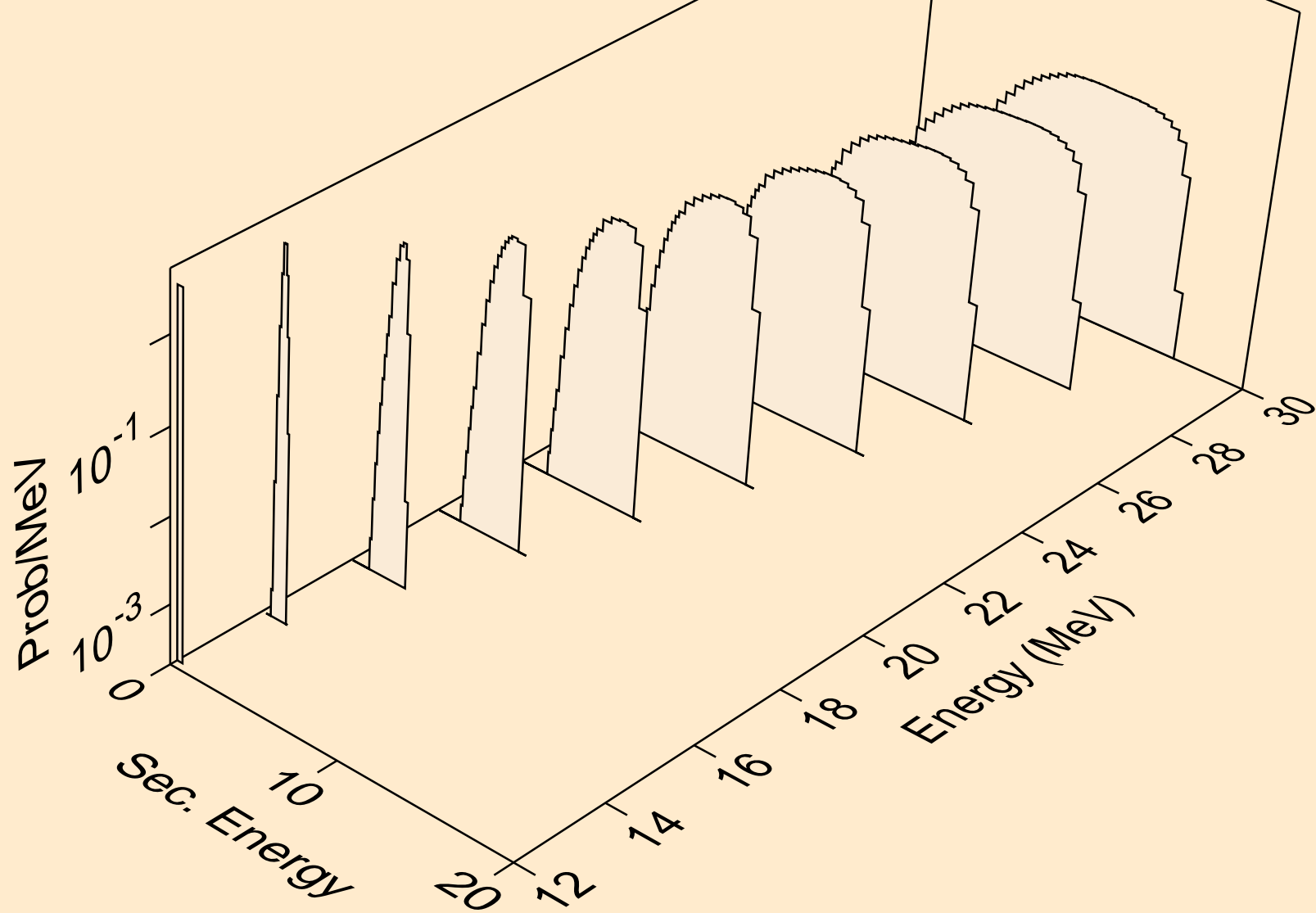
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tritons from (n,t)



SC042M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
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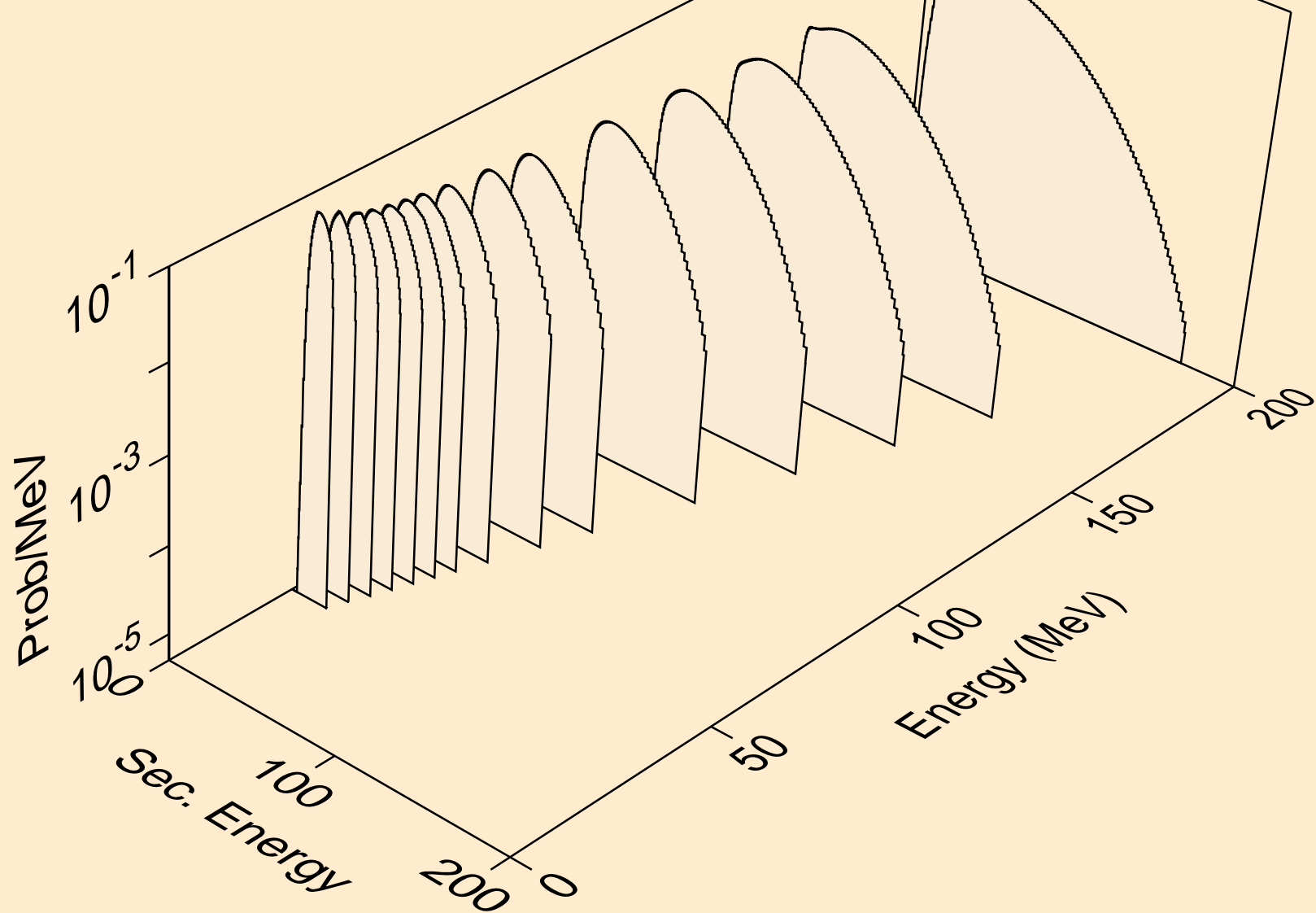


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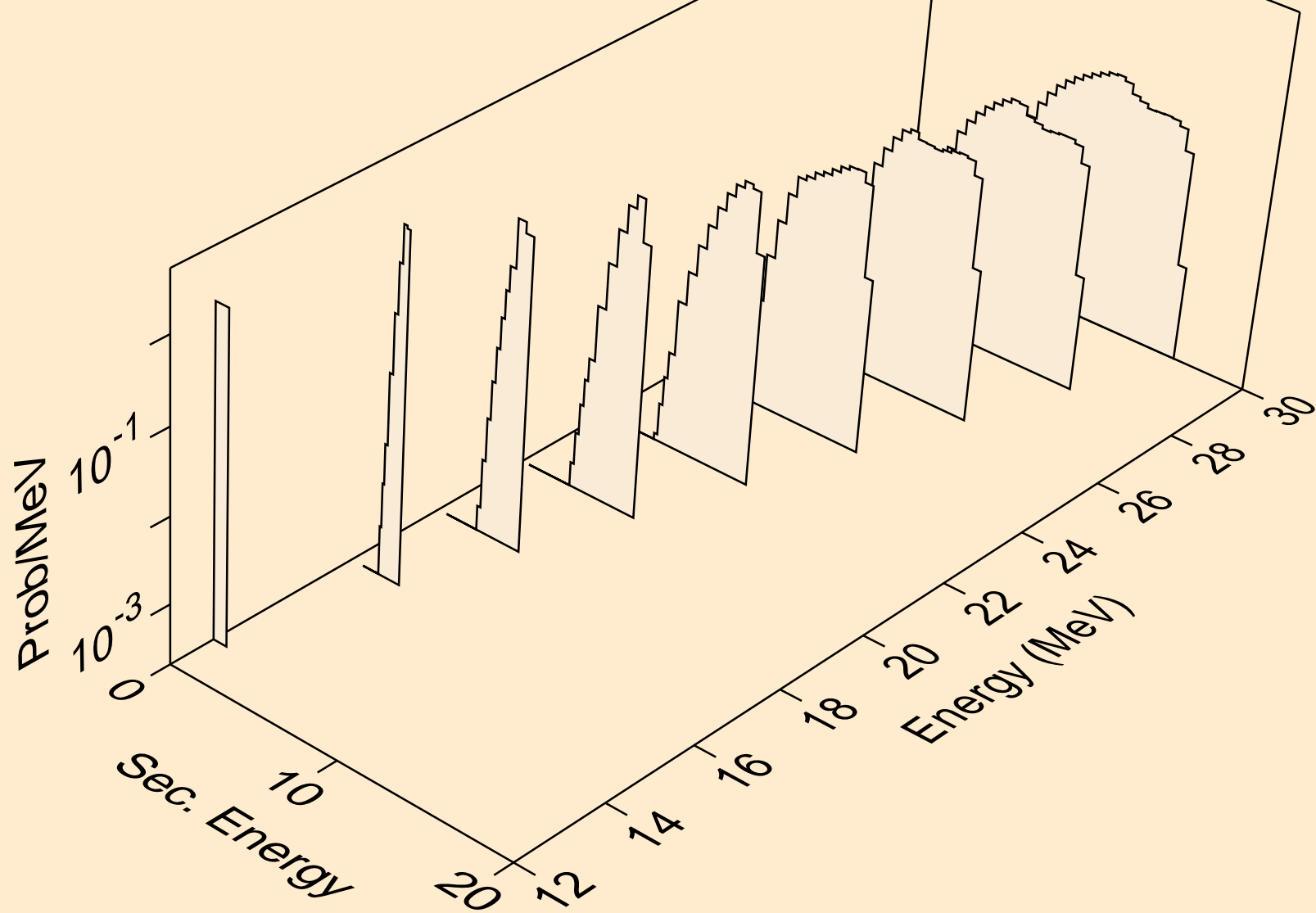




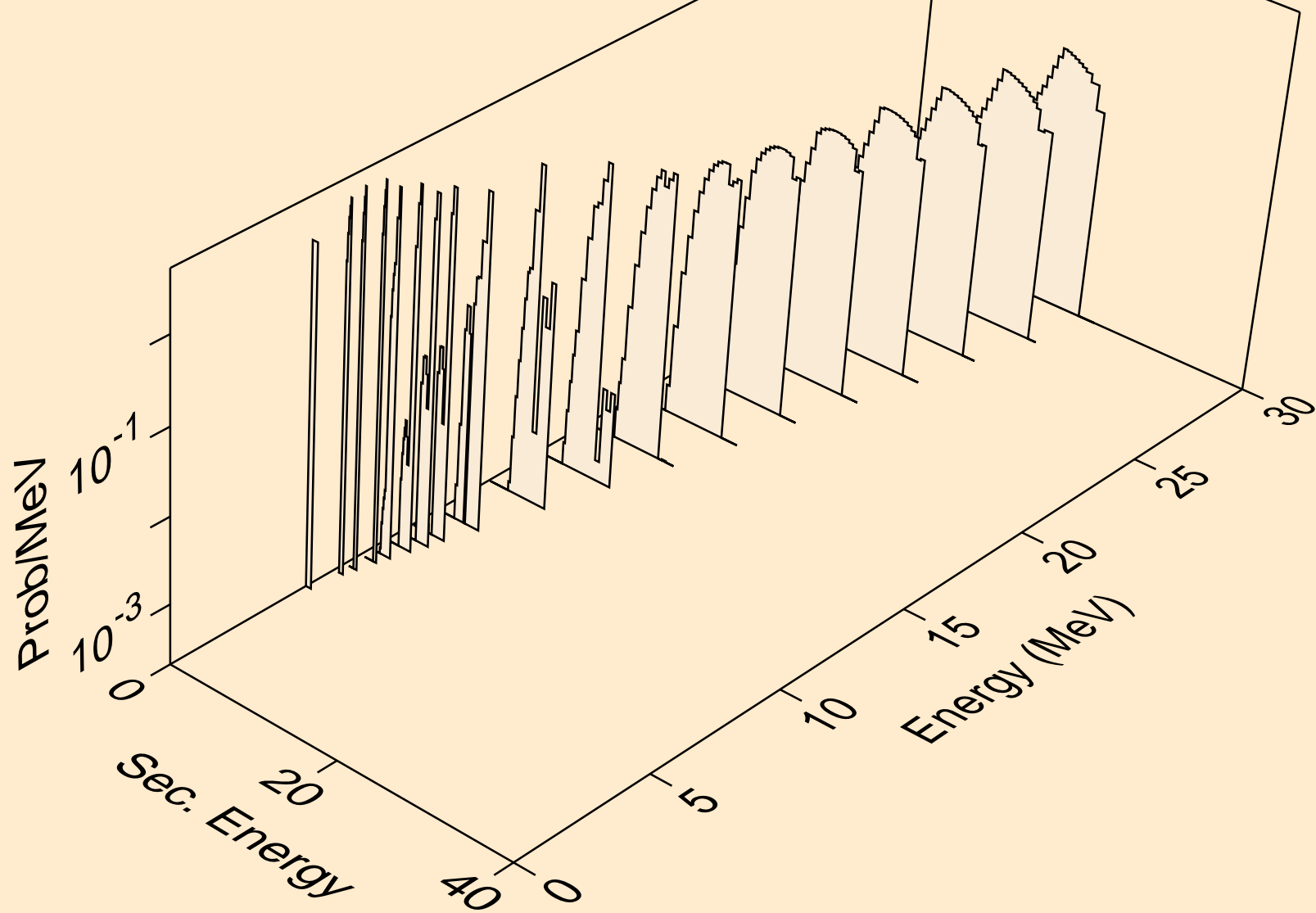
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he3s from (n,x)



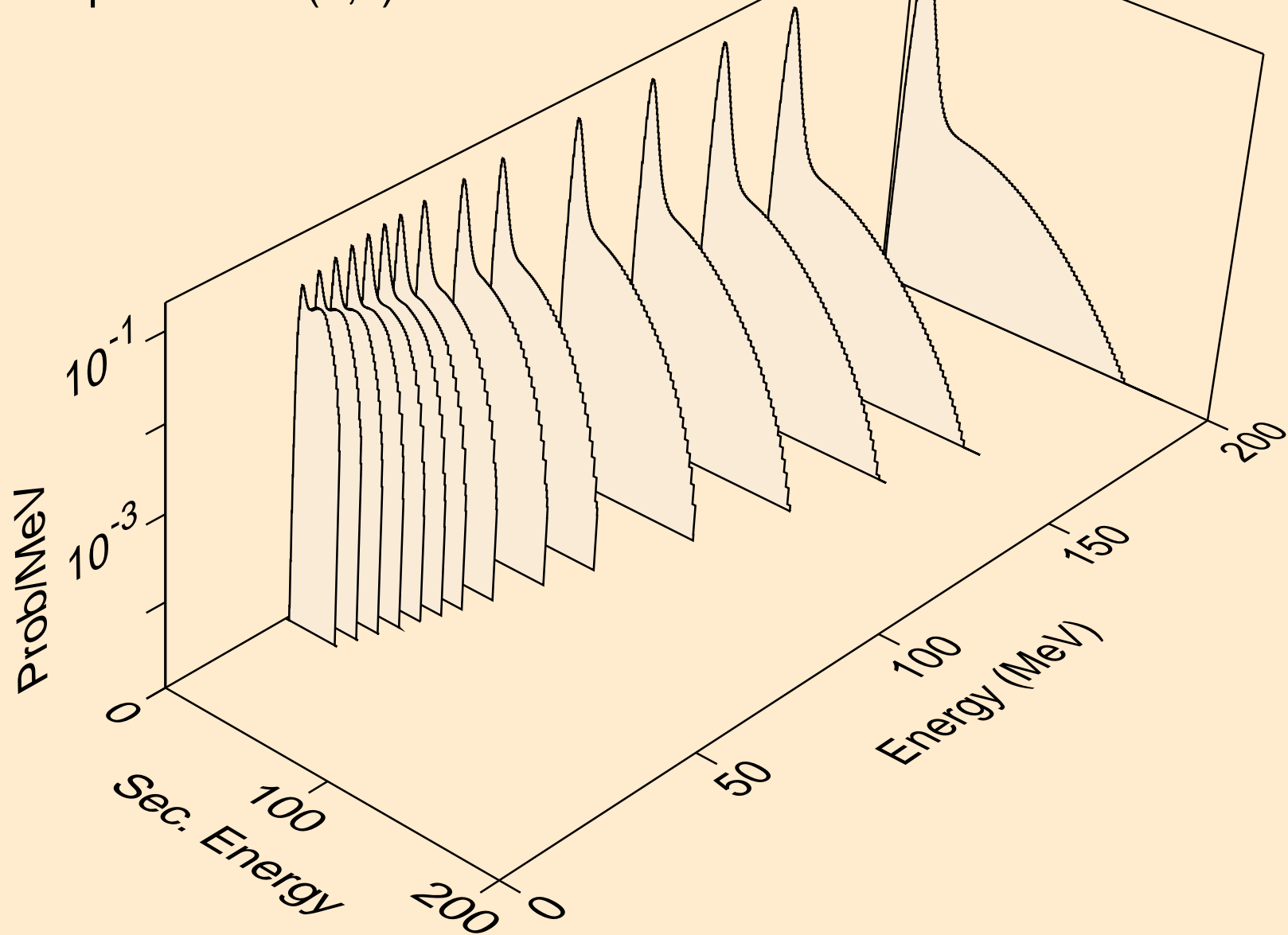
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he3s from (n,n\*)he3



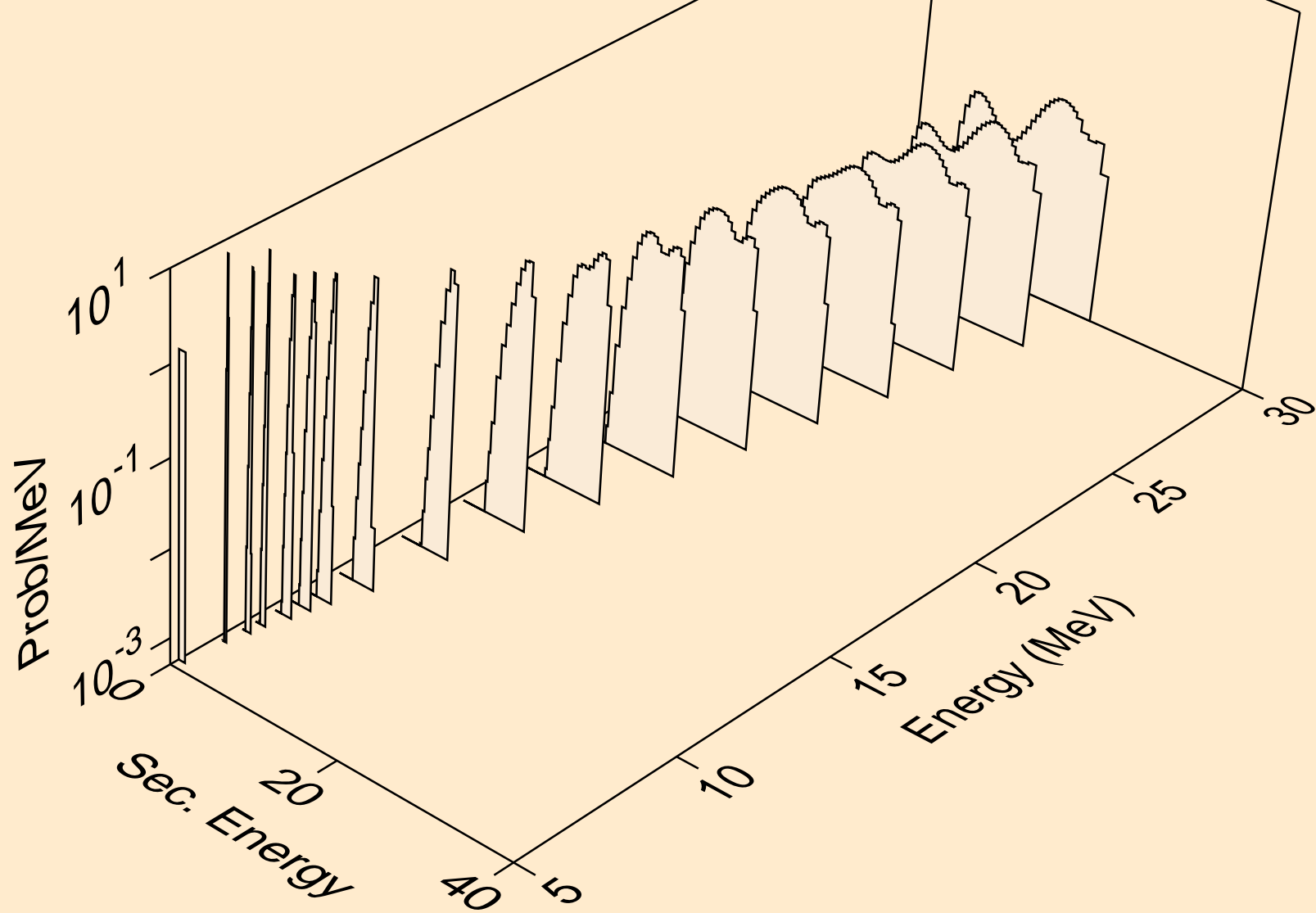
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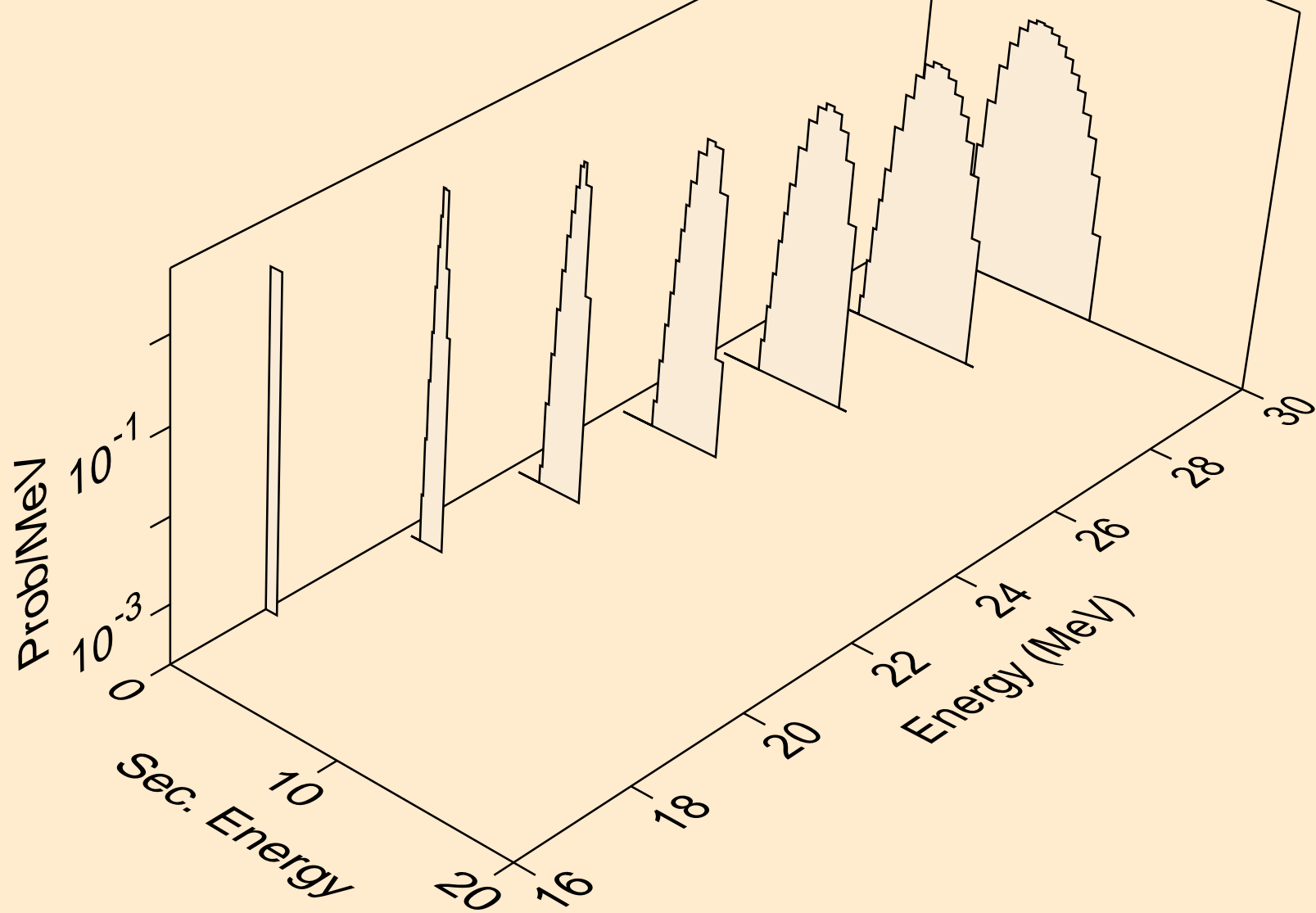
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alphas from (n,x)



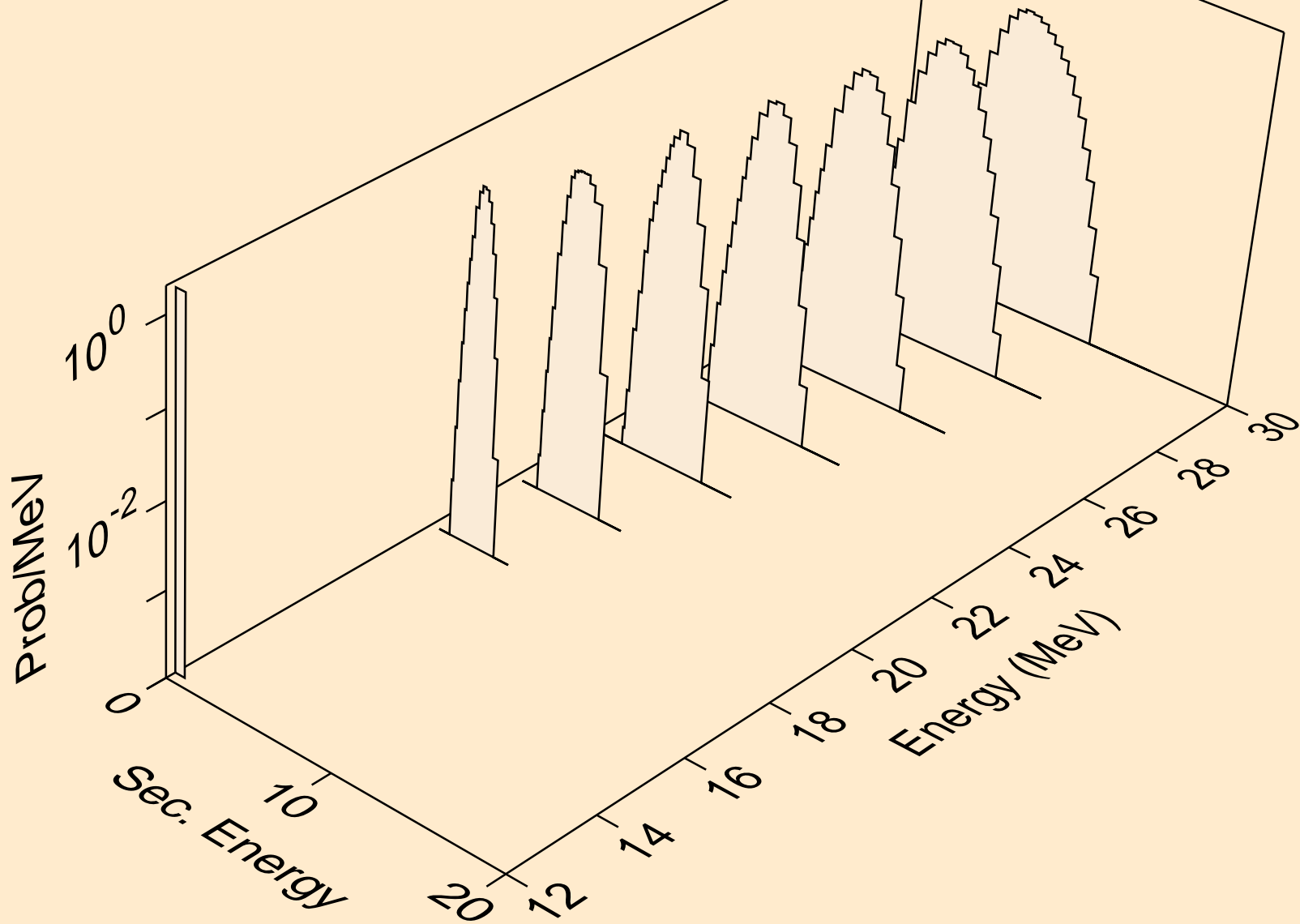
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alphas from (n,n\*)a



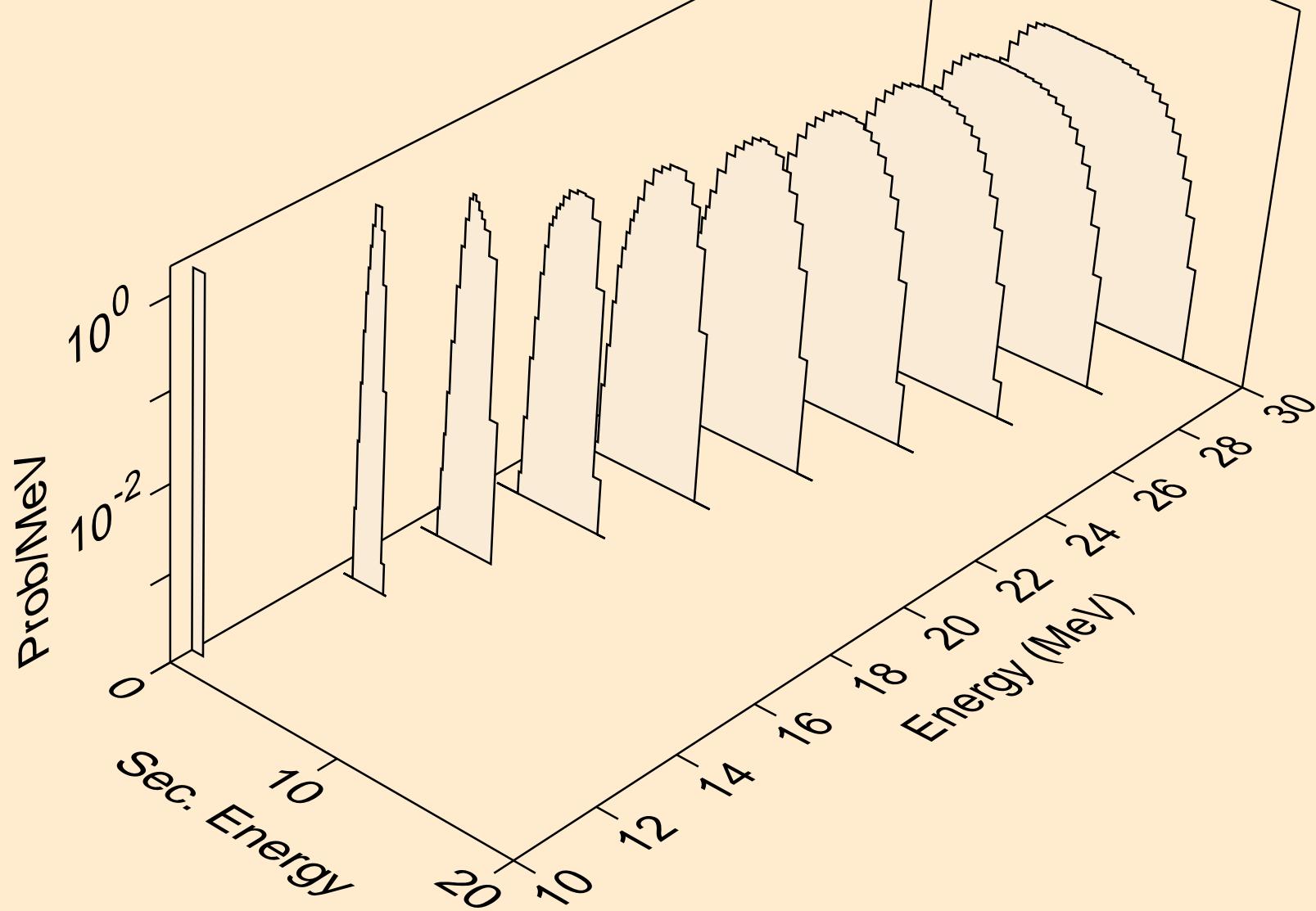
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alphas from (n,2n)a



SC042M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)2a

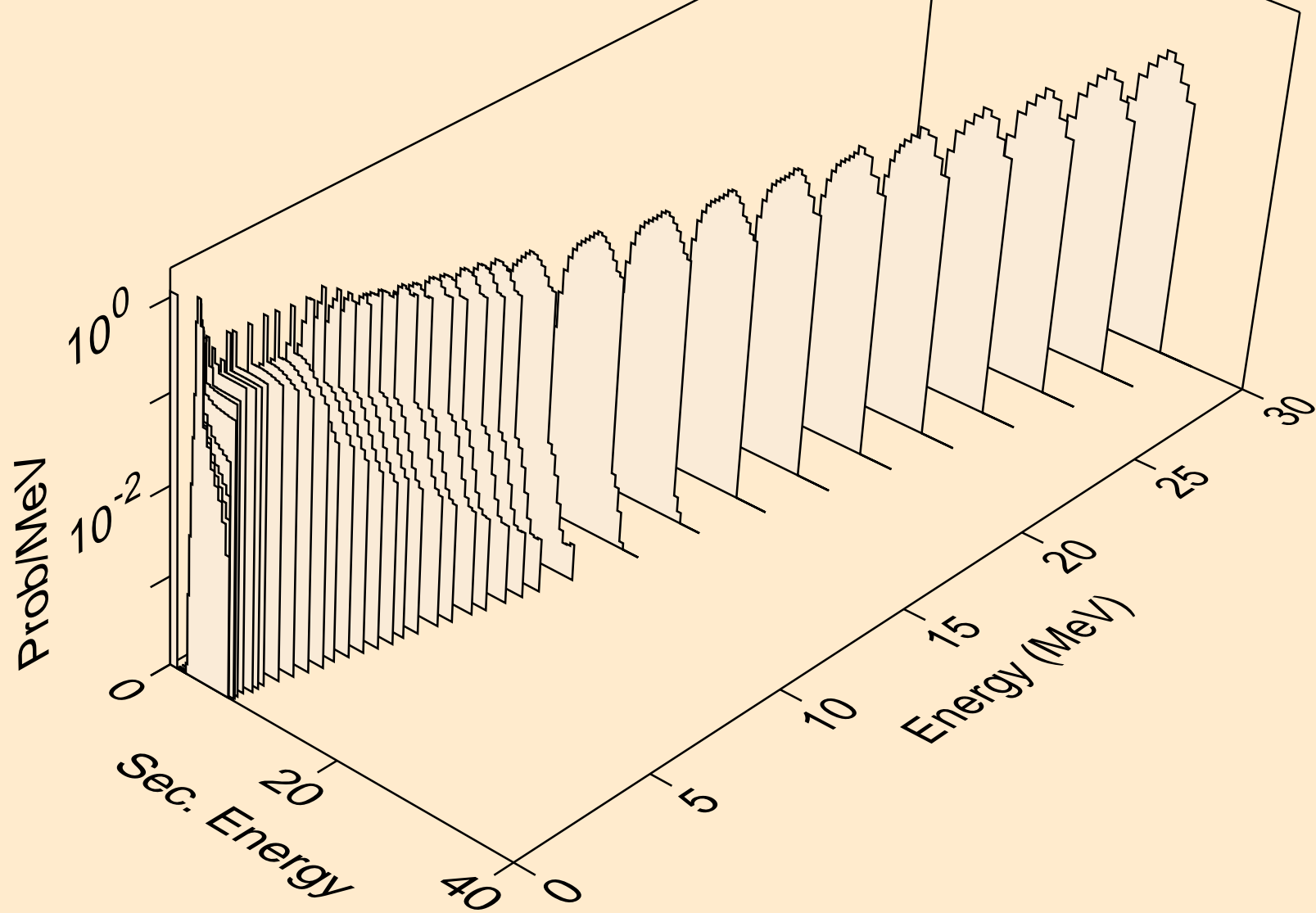


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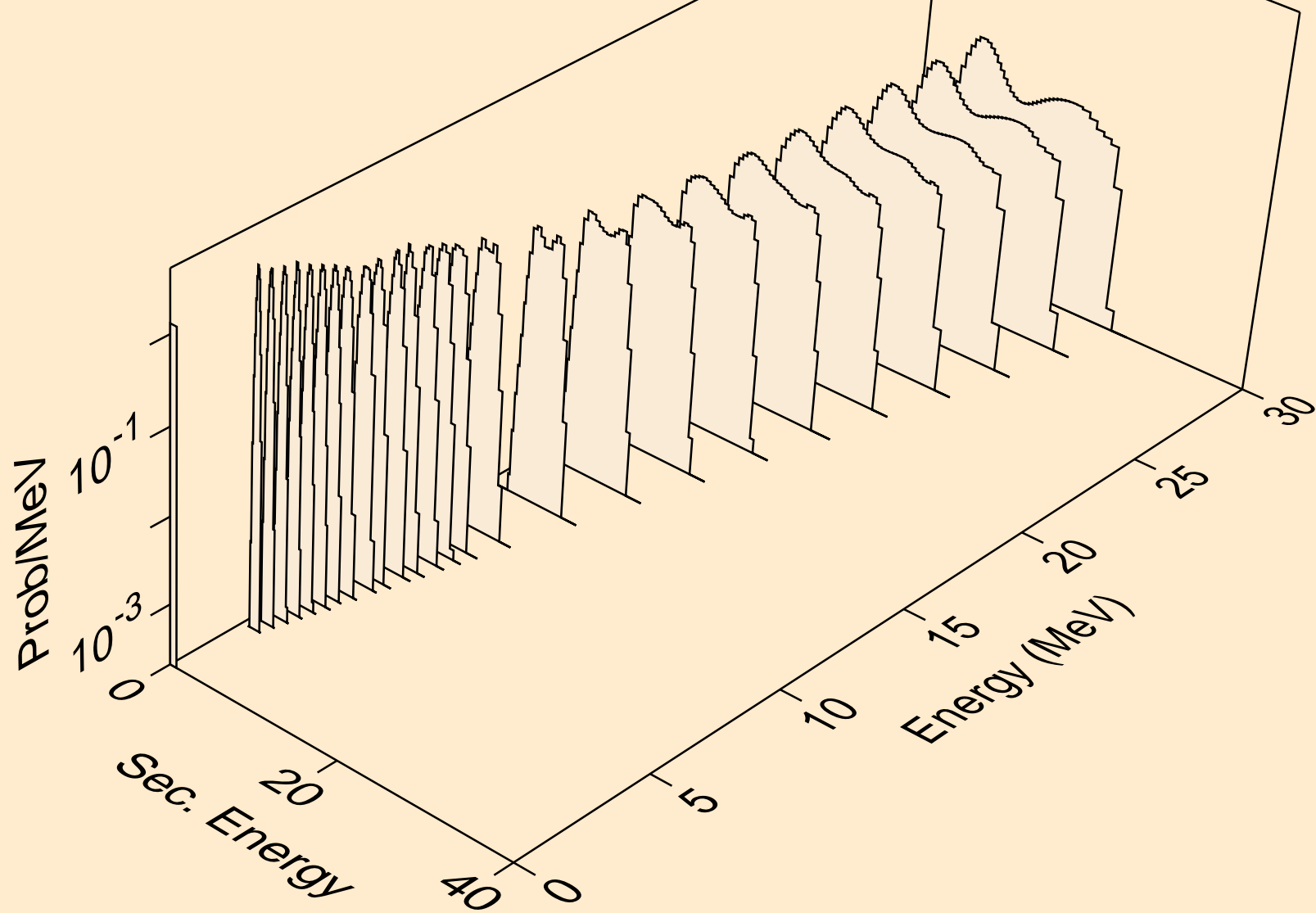




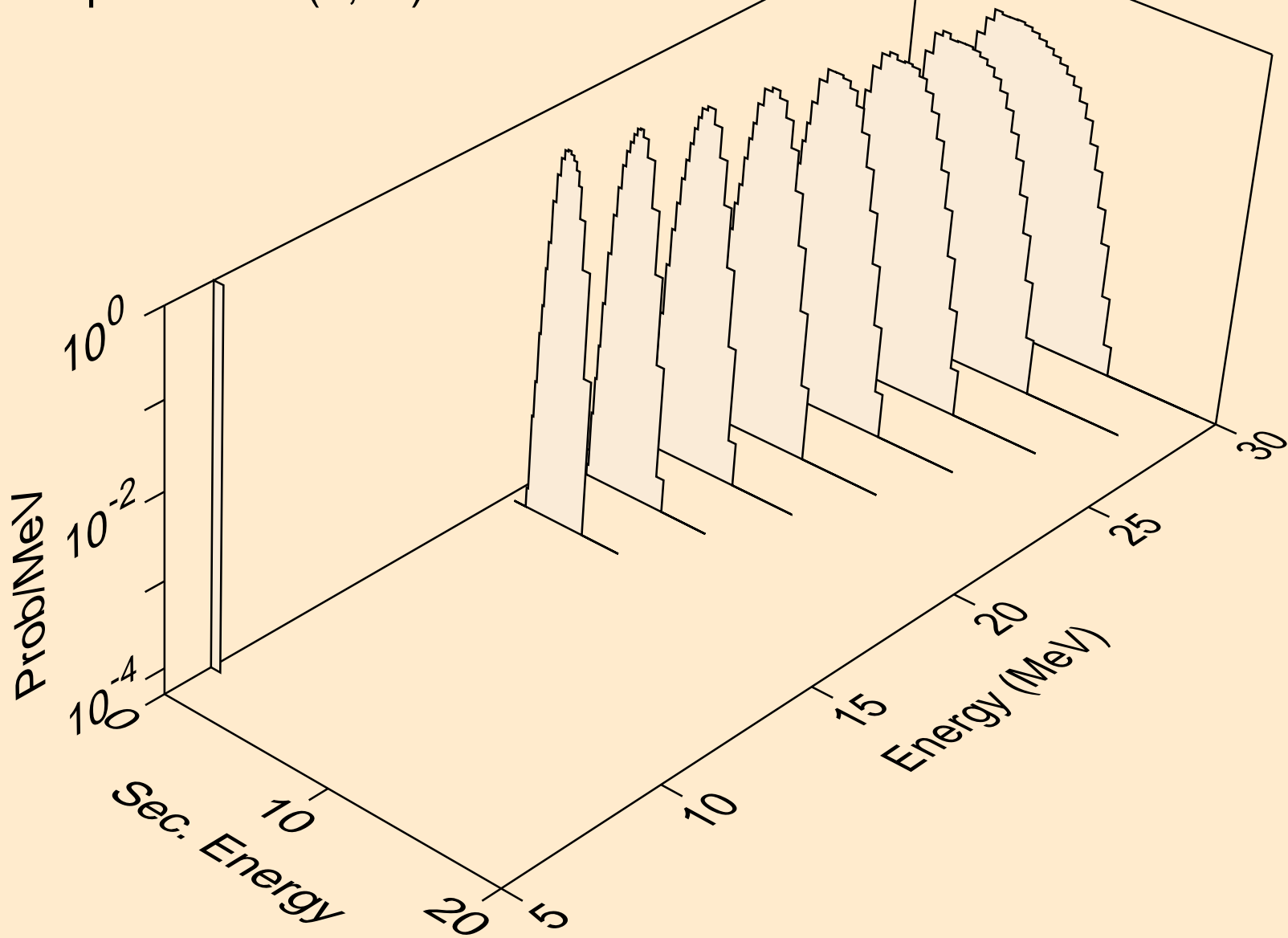
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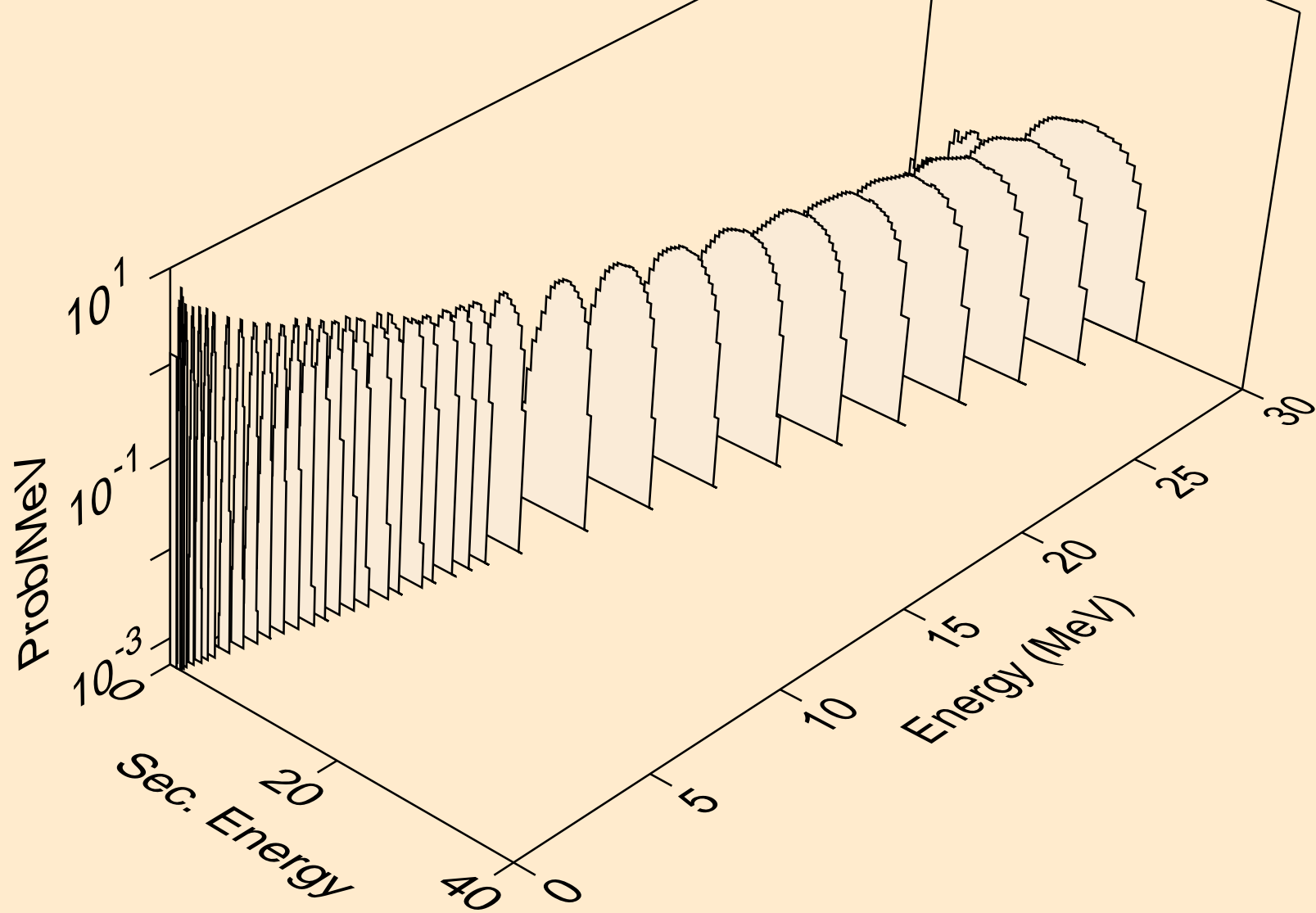
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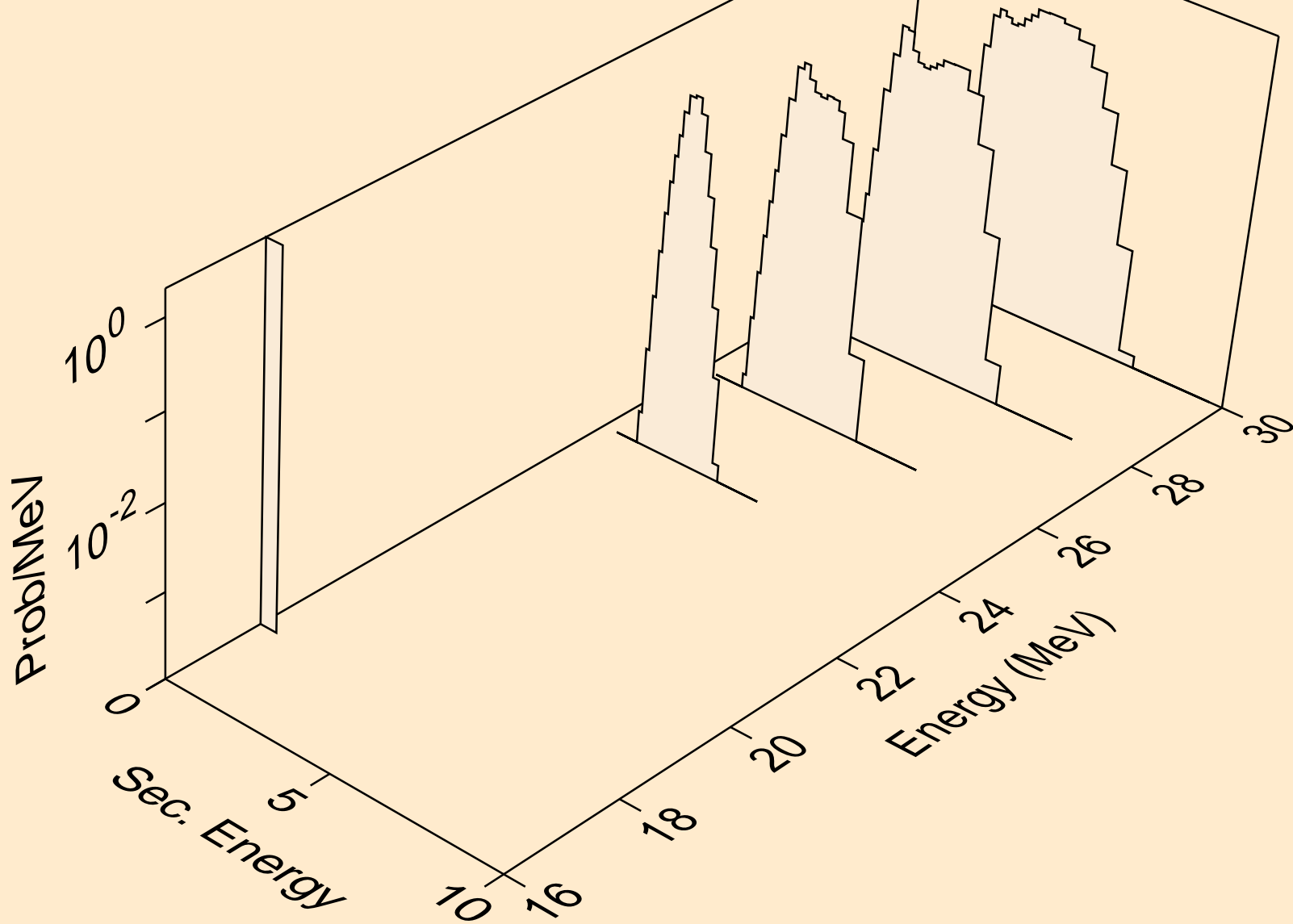
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alphas from (n,3a)



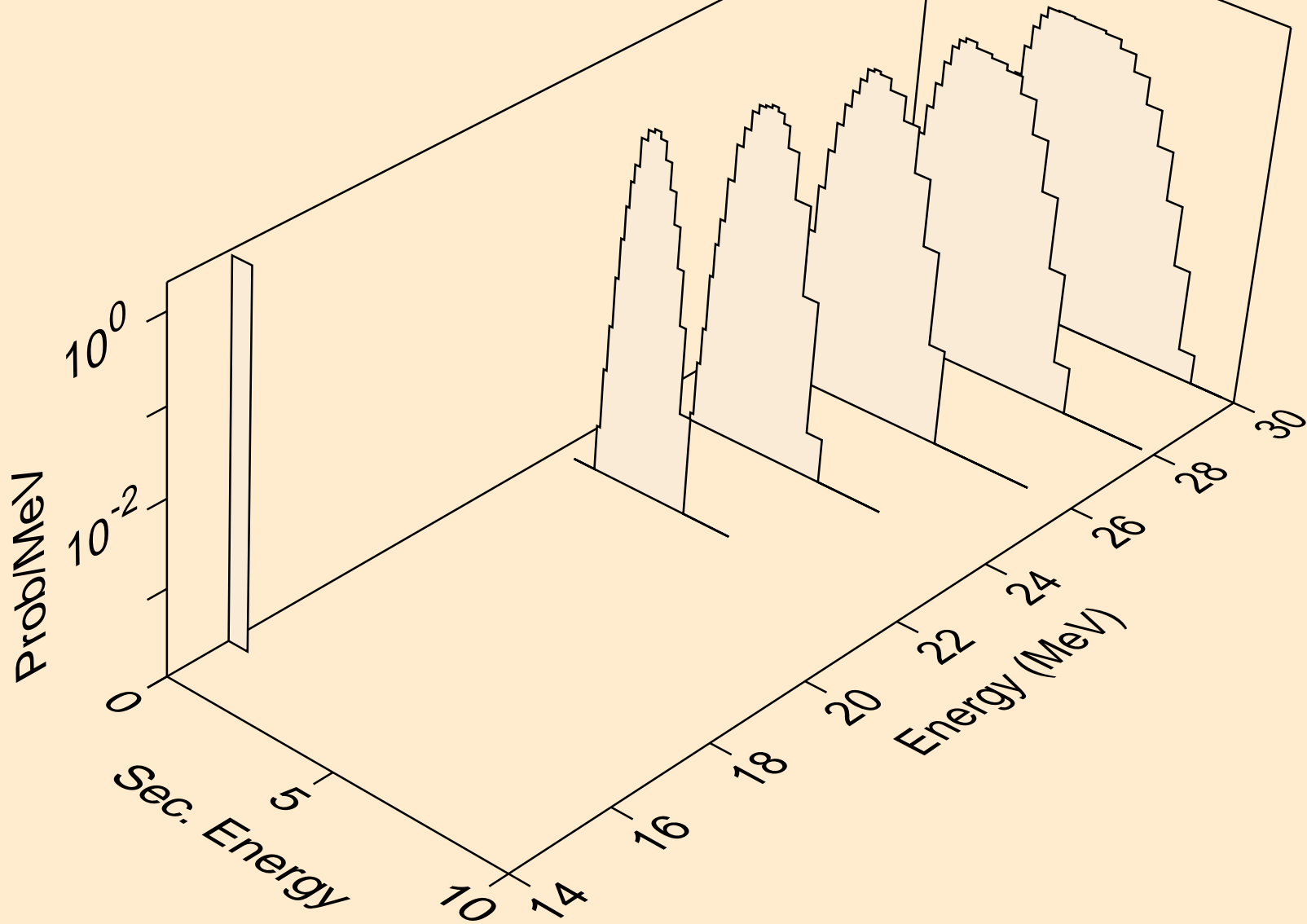
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alphas from (n,pa)



SC042M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,t2a)



SC042M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,d2a)



SC042M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,da)

