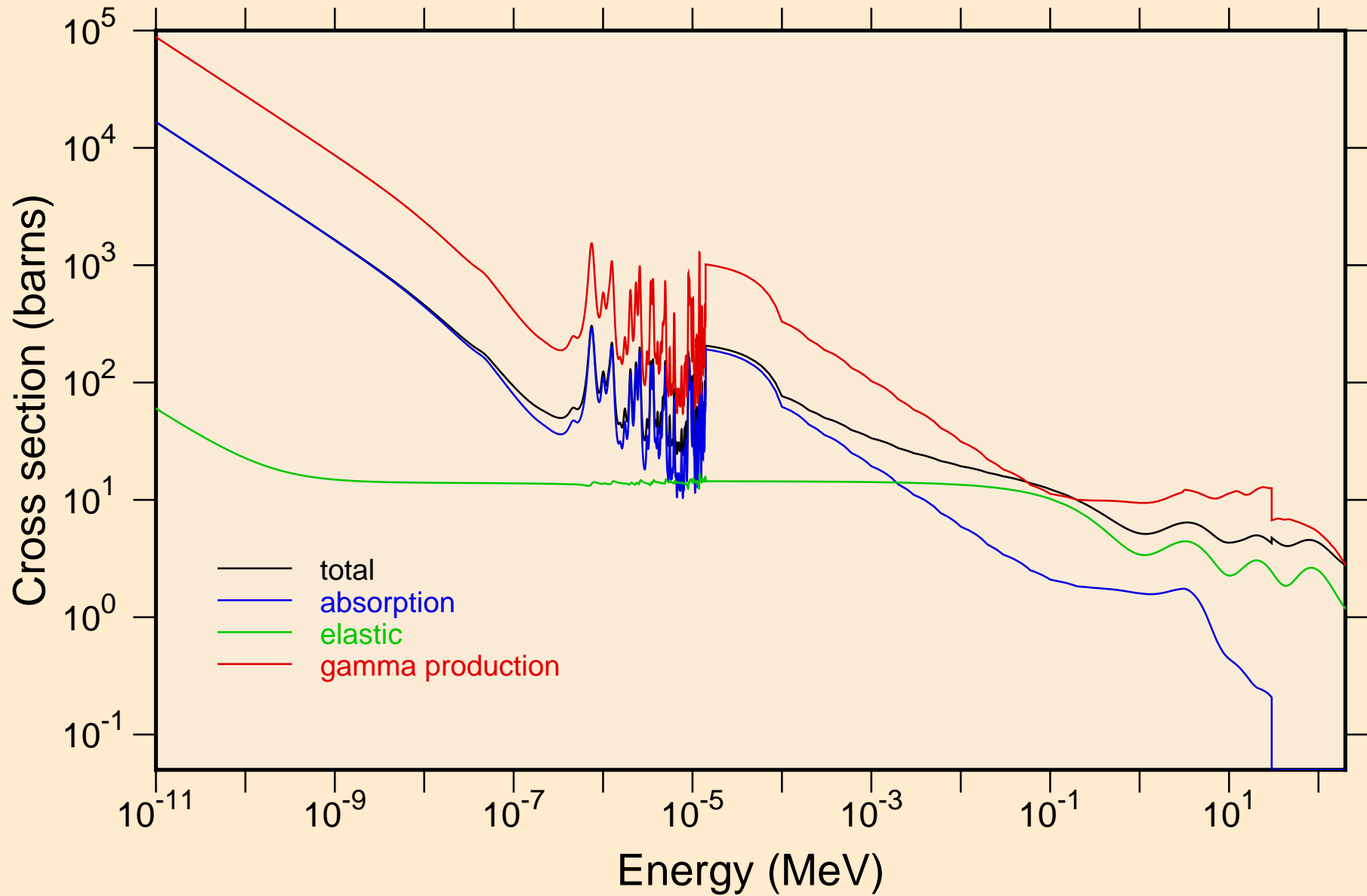
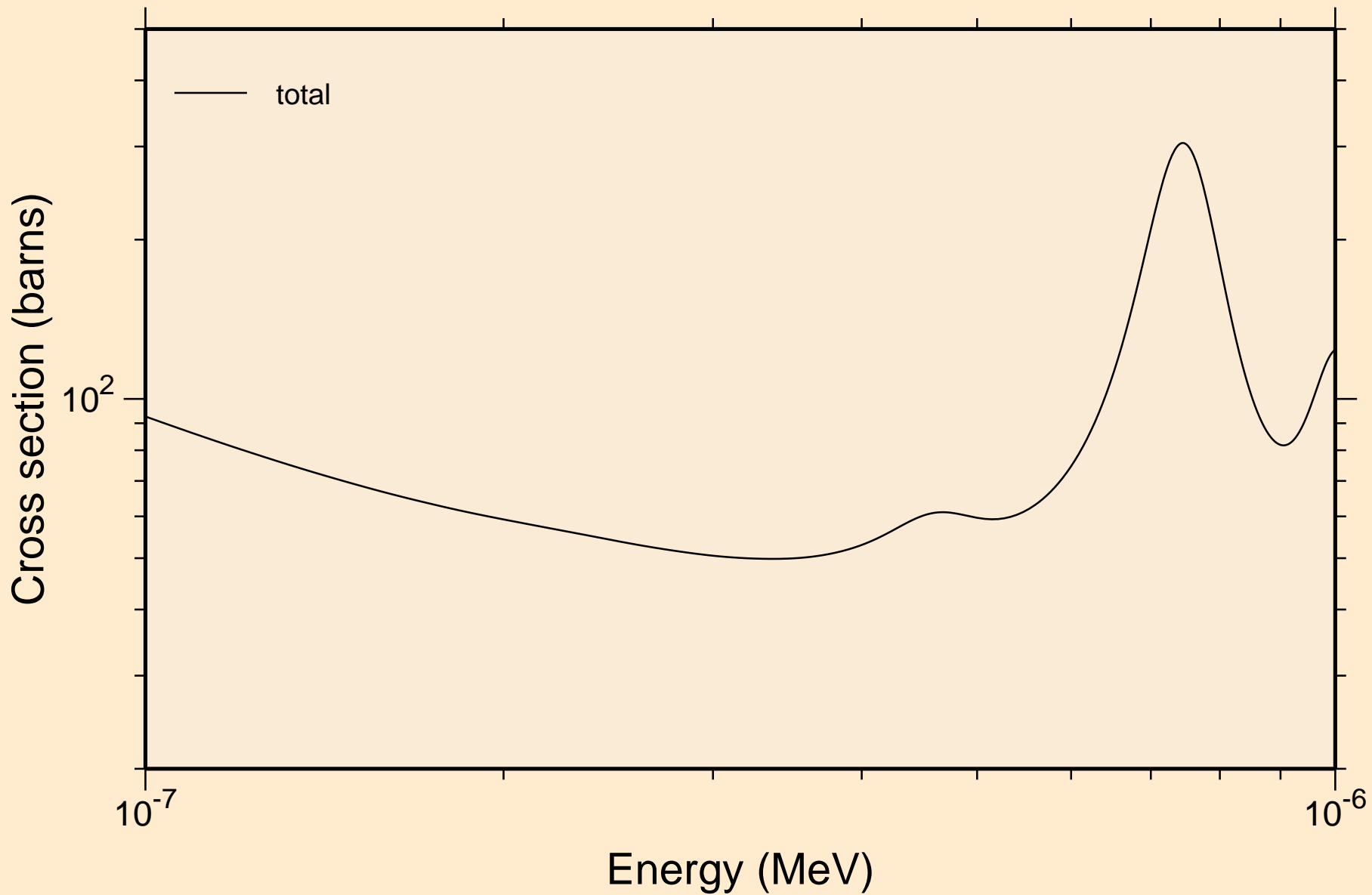


# HG183 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

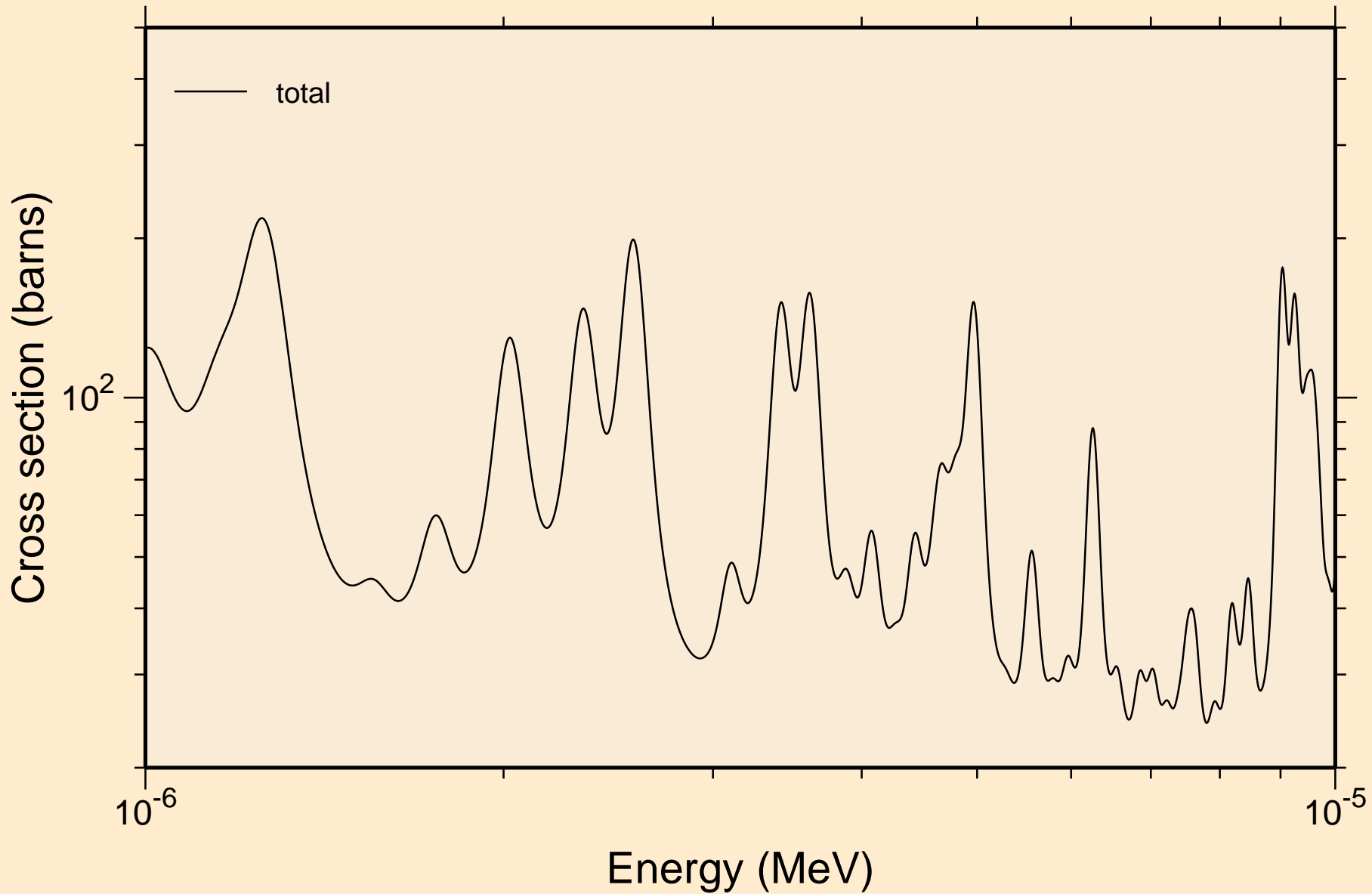
## Principal cross sections



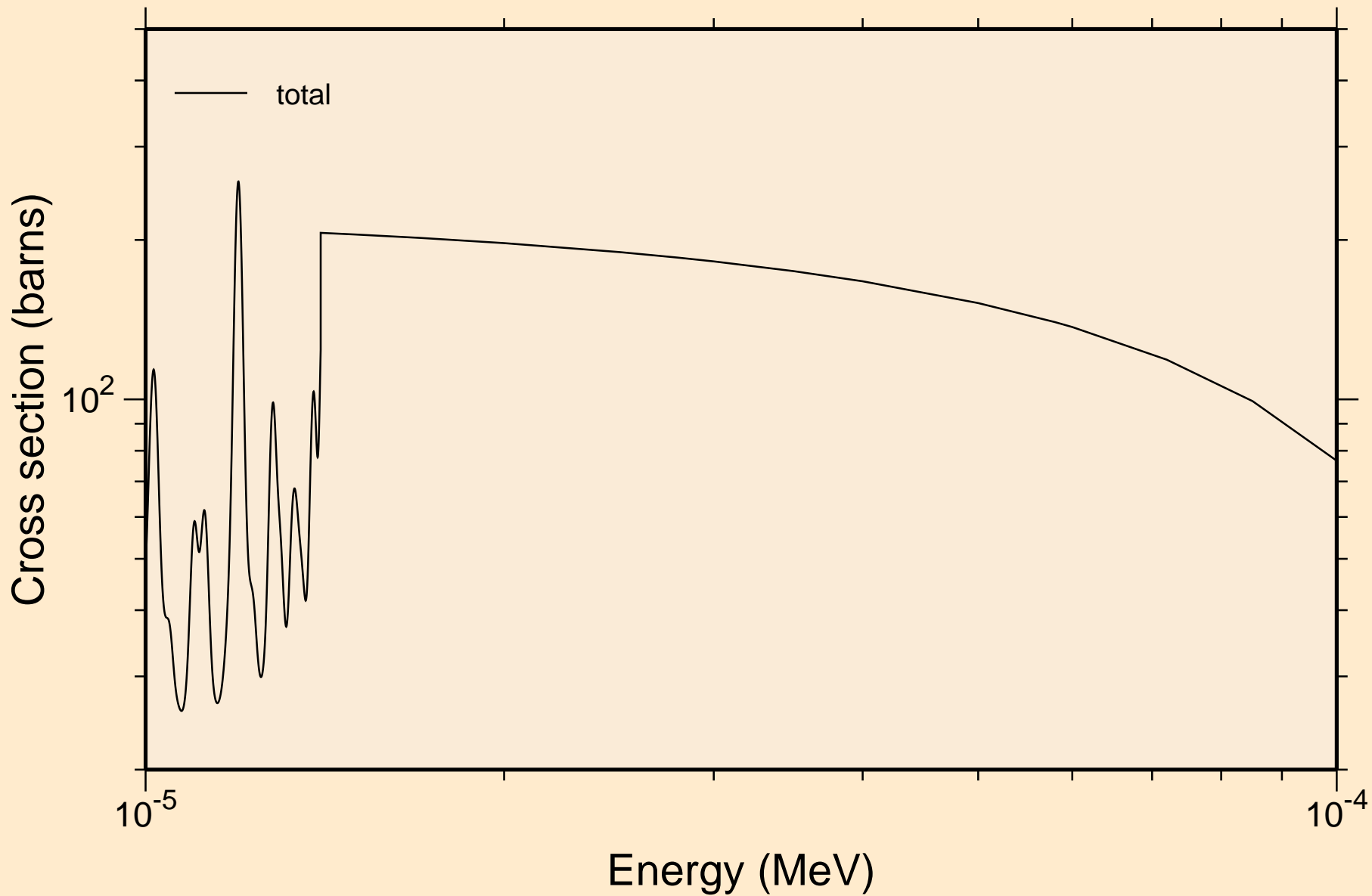
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resonance total cross section



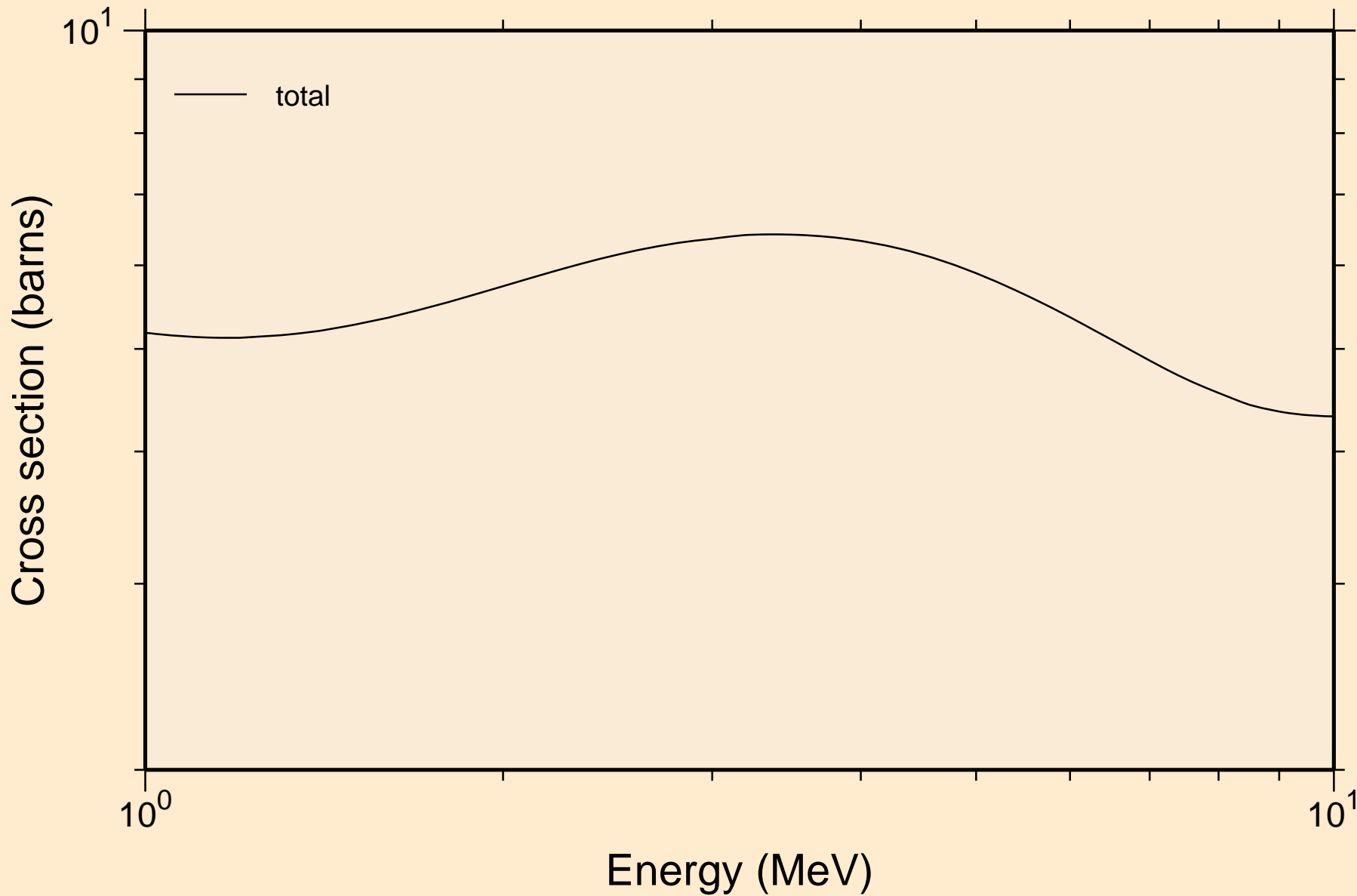
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resonance total cross section



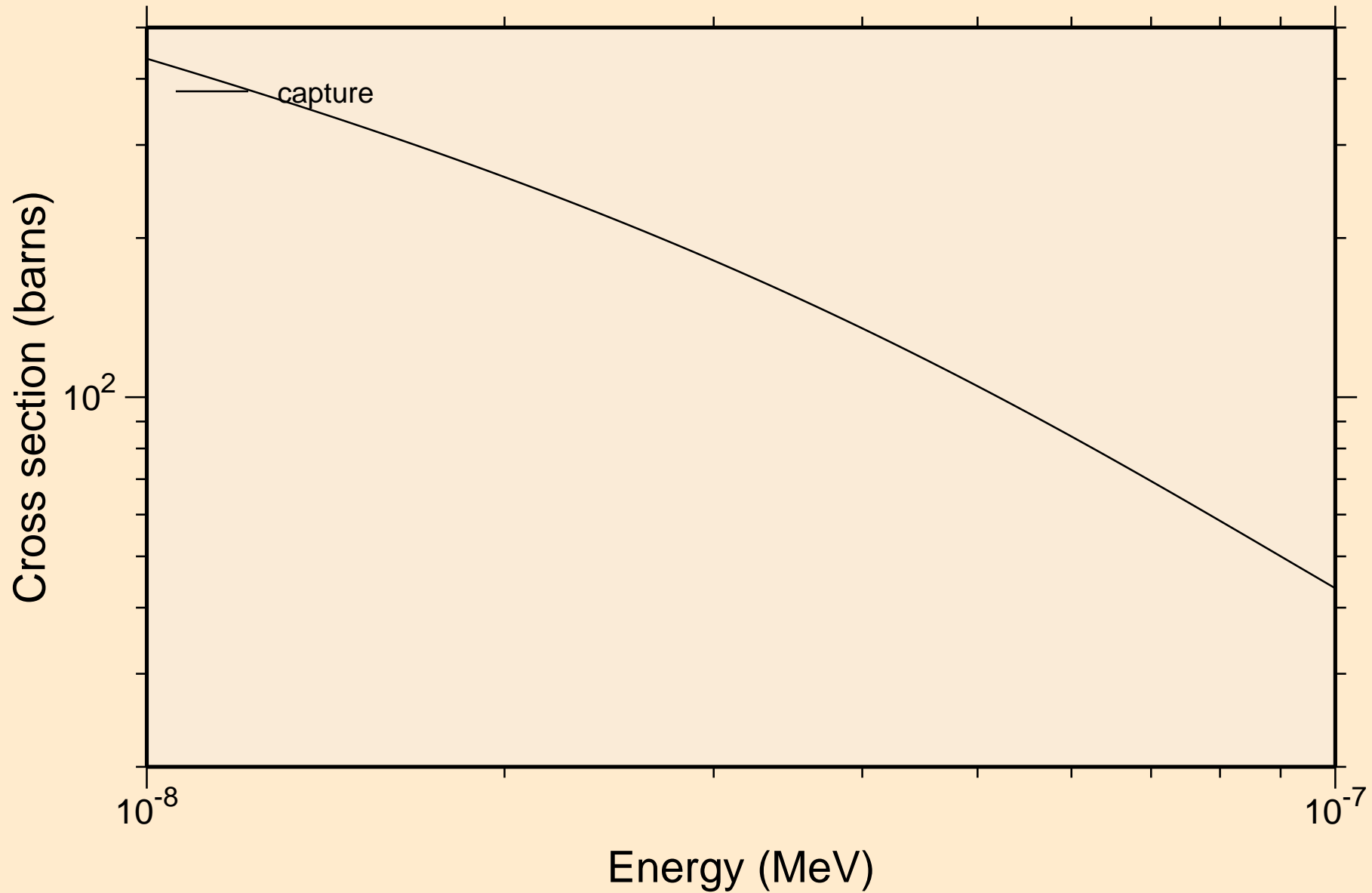
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resonance total cross section



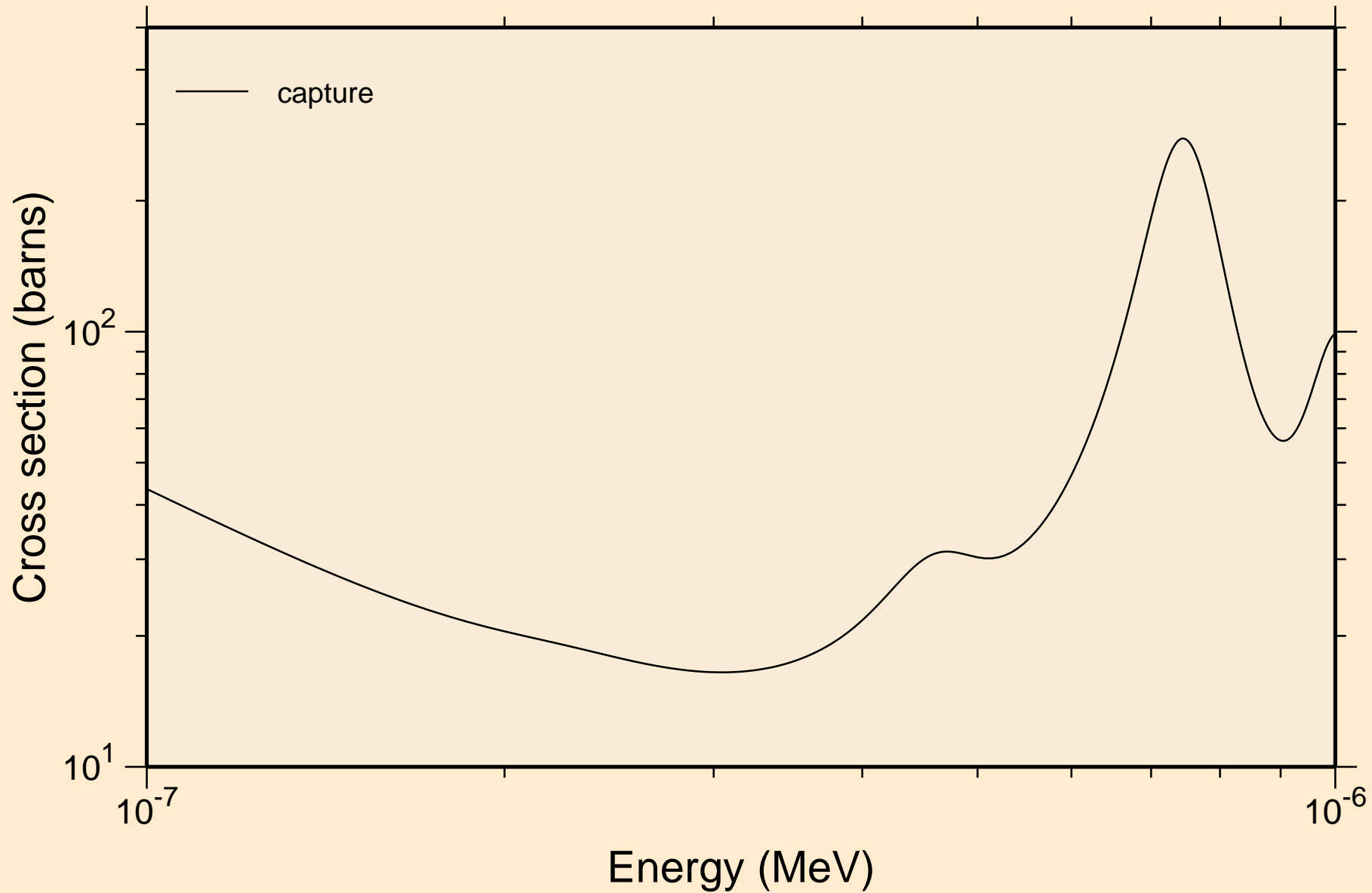
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resonance total cross section



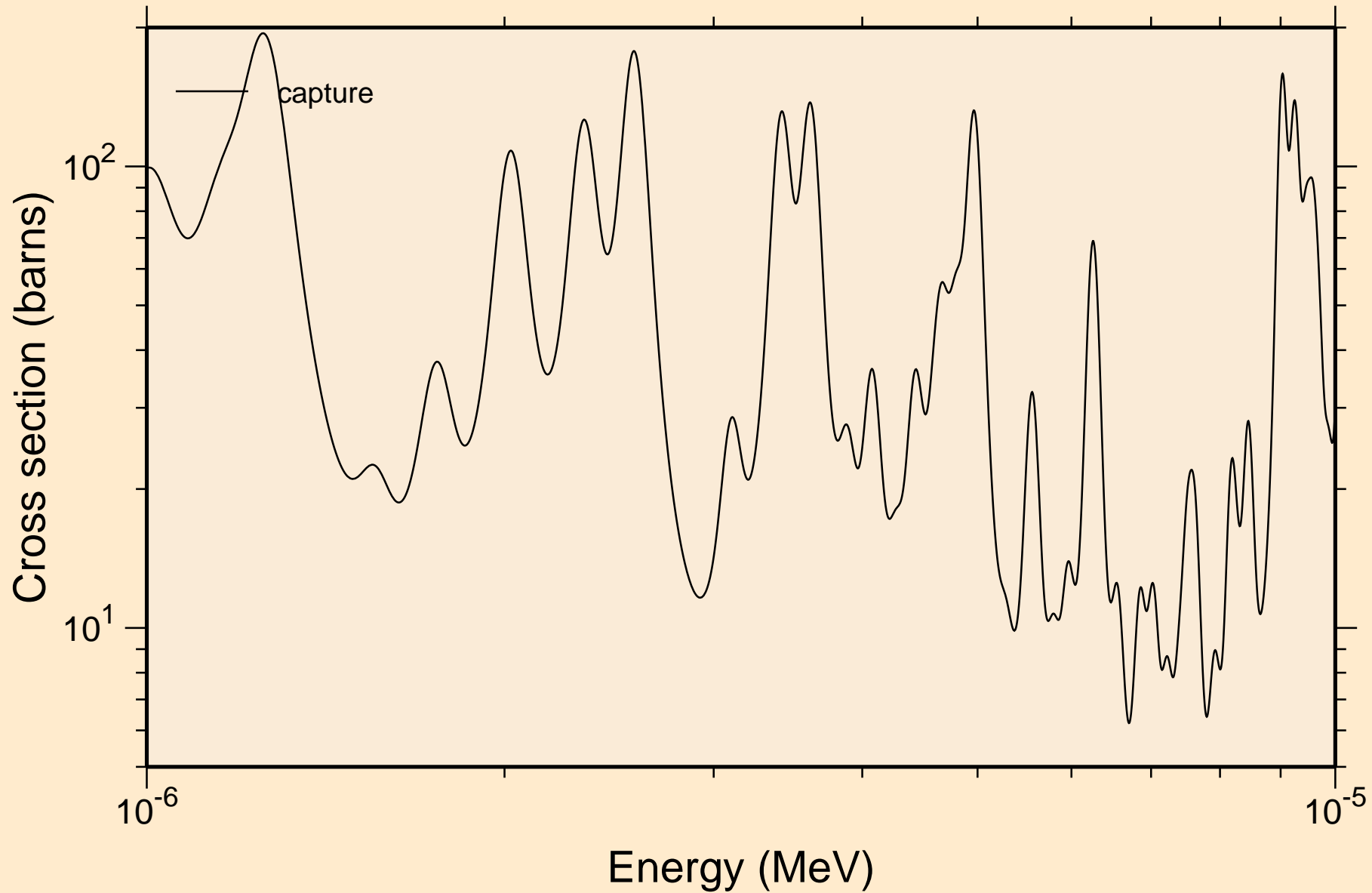
HG183 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance absorption cross sections



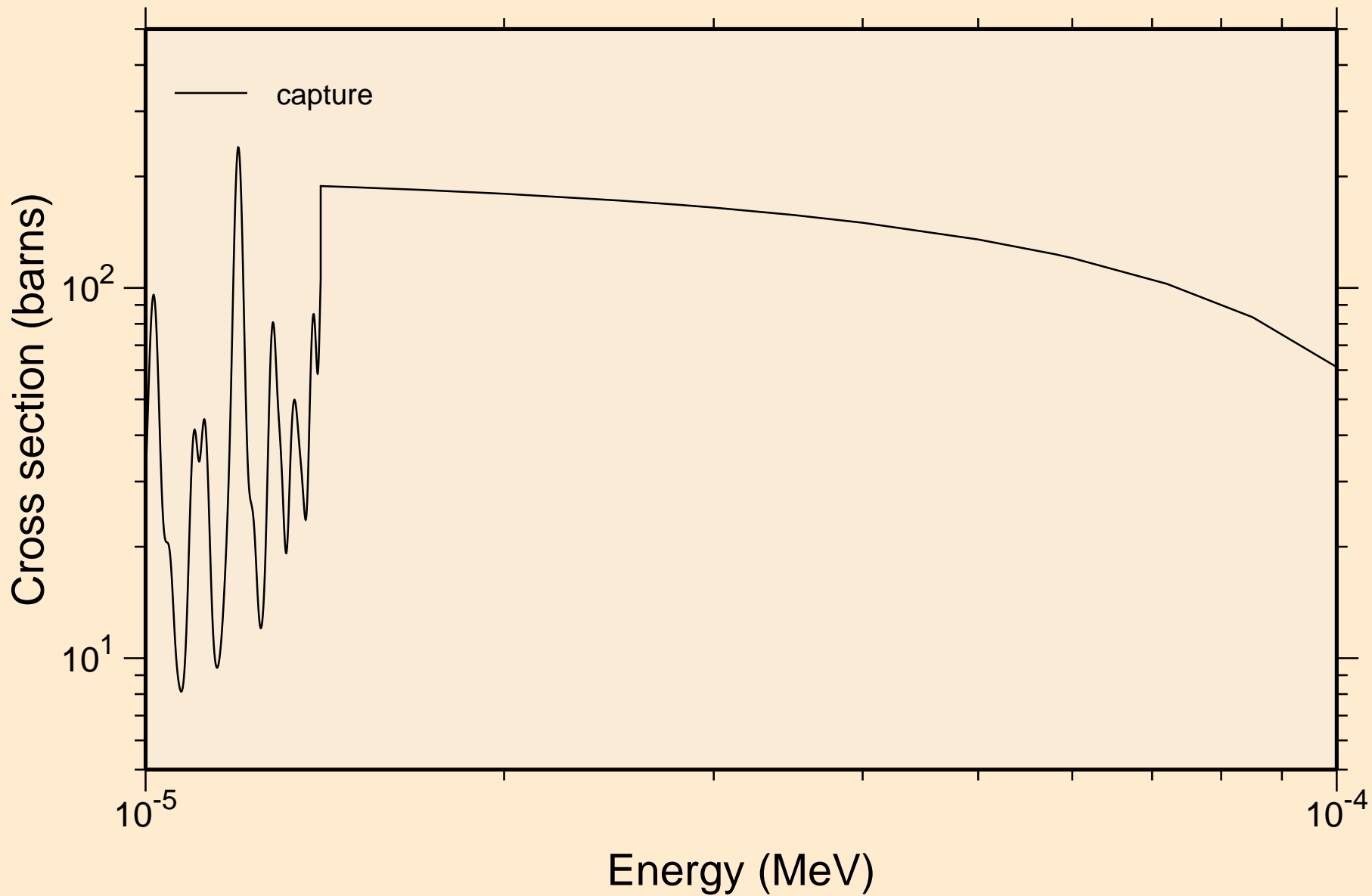
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resonance absorption cross sections



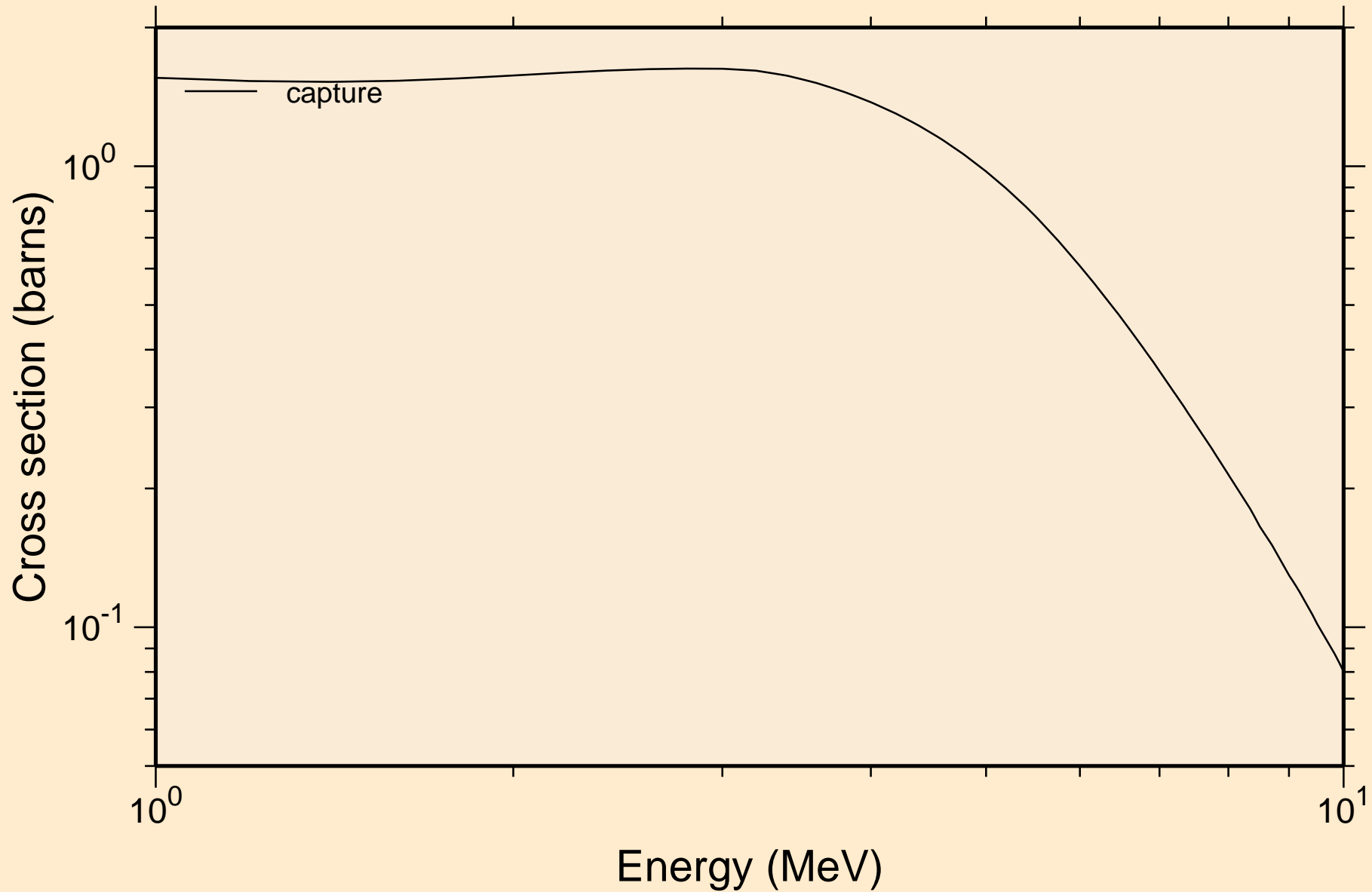
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resonance absorption cross sections



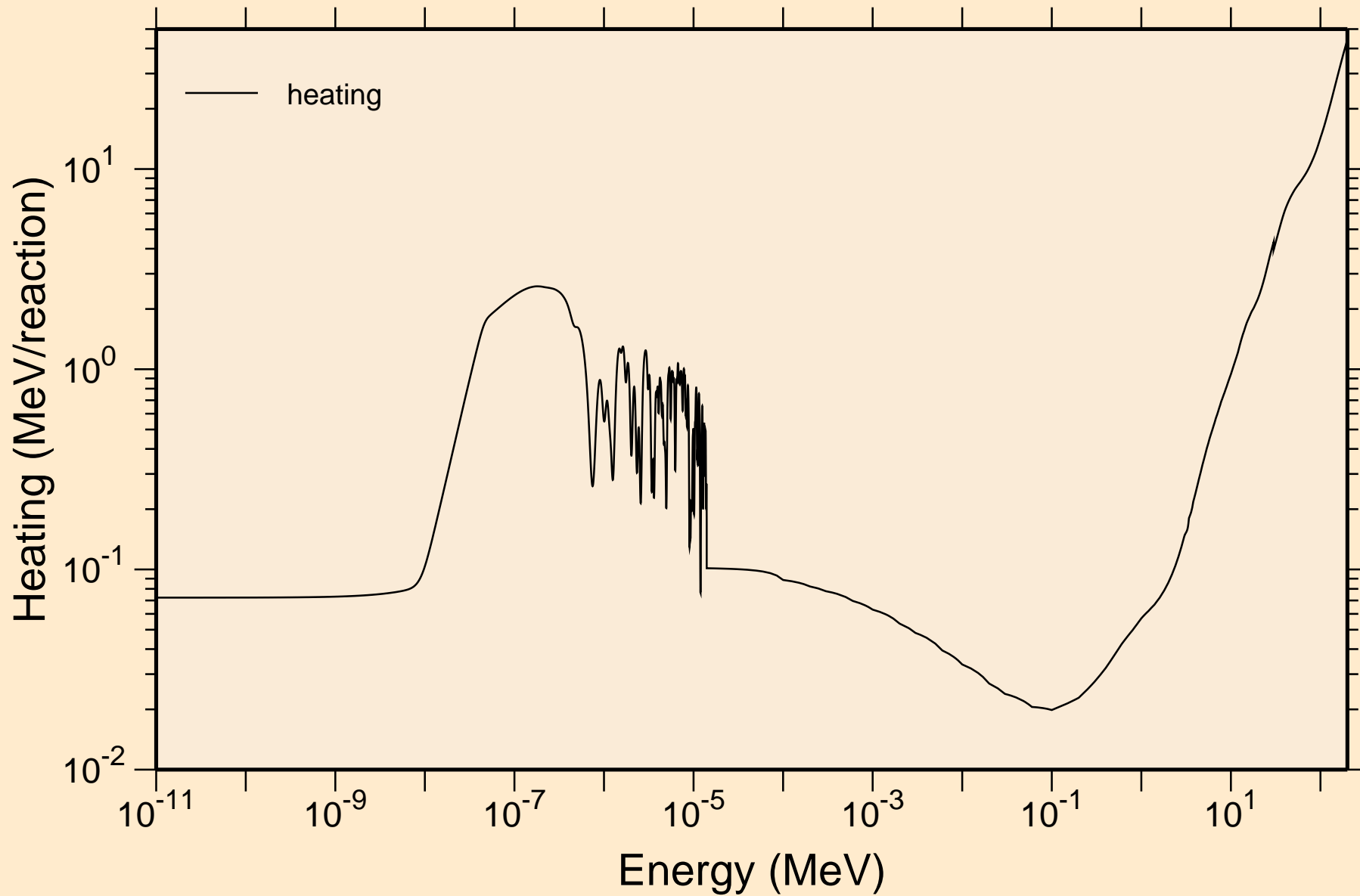
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resonance absorption cross sections



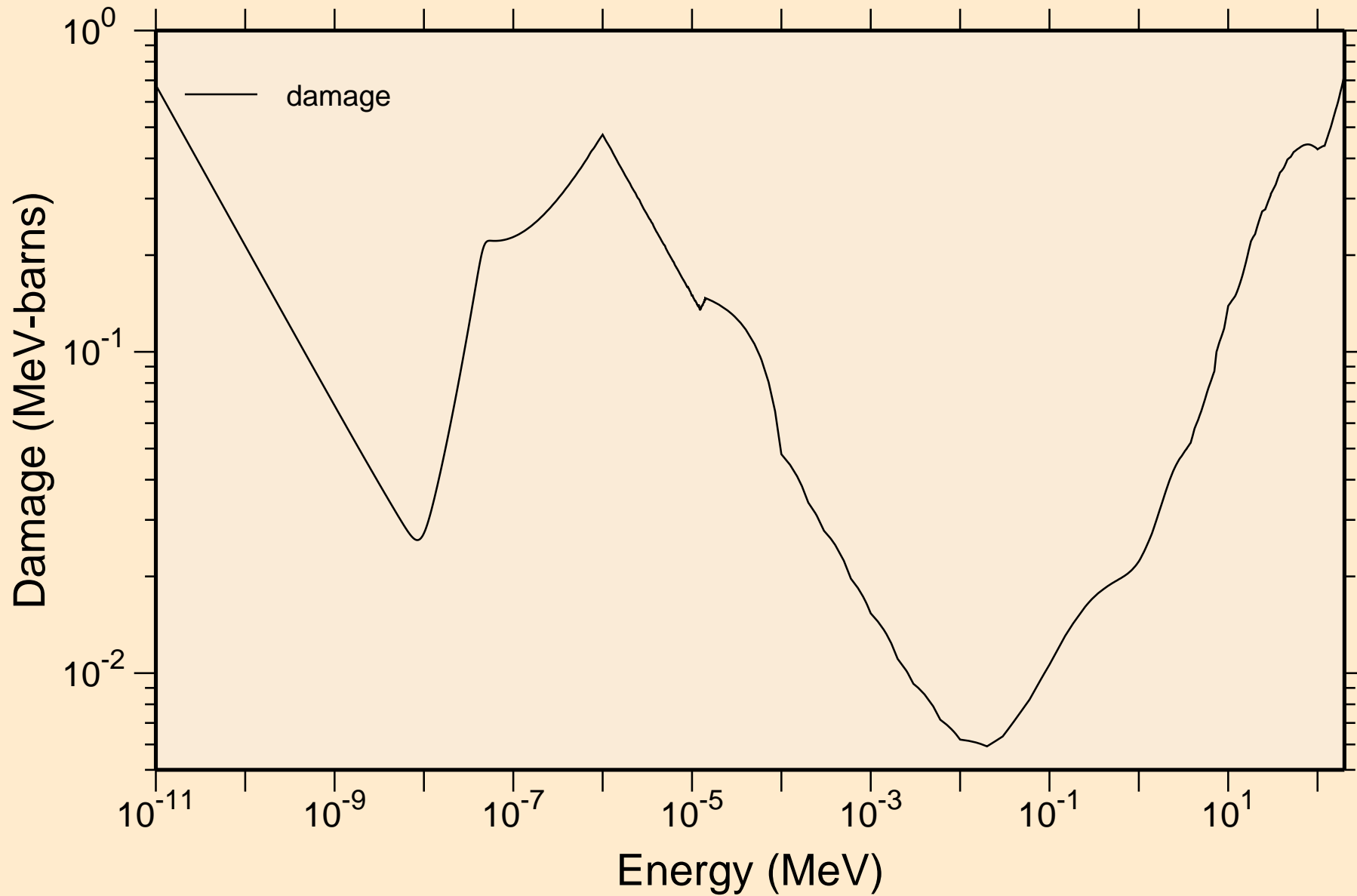
HG183 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance absorption cross sections



HG183 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Heating

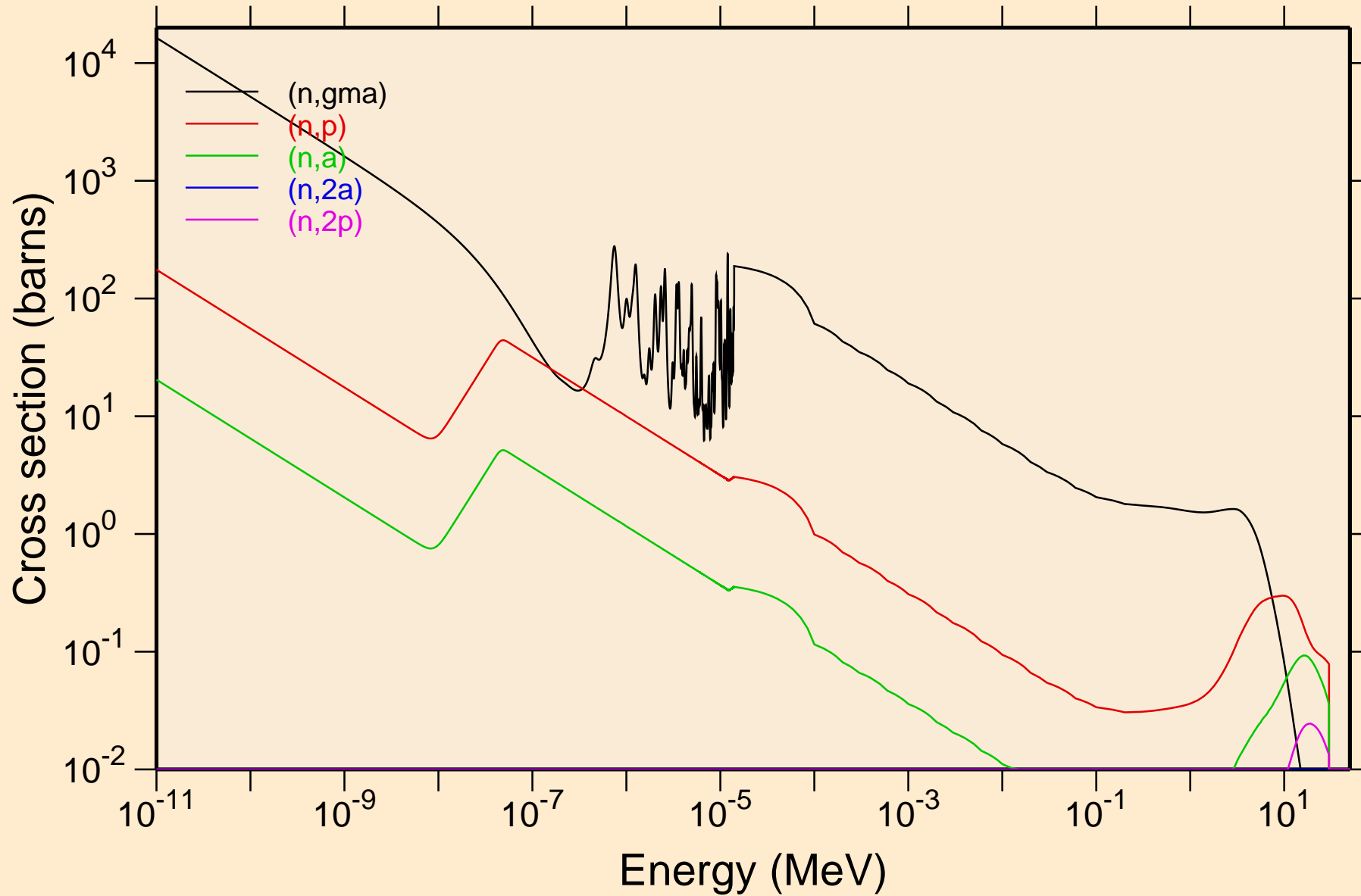


HG183 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Damage

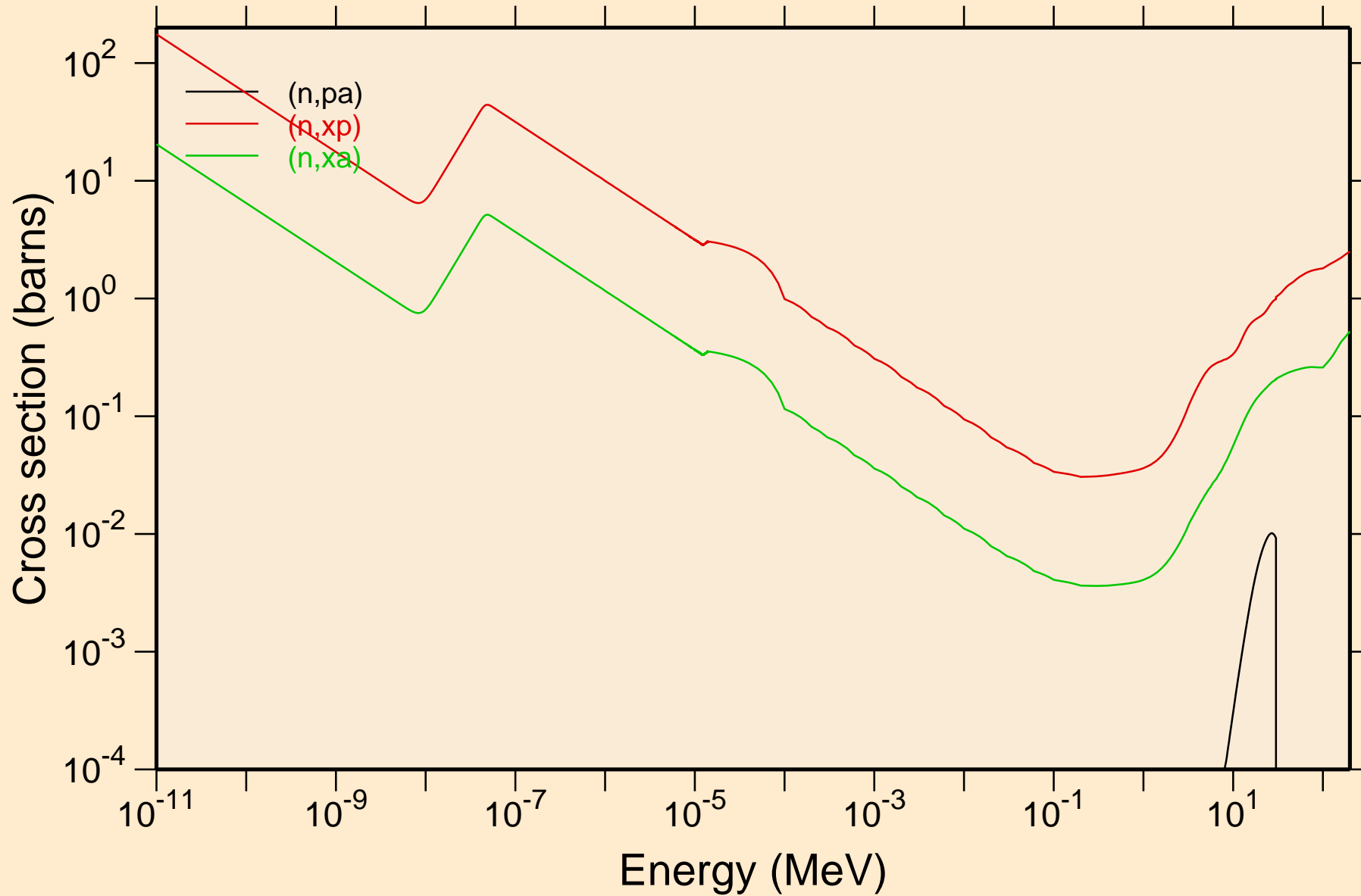


# HG183 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

## Non-threshold reactions

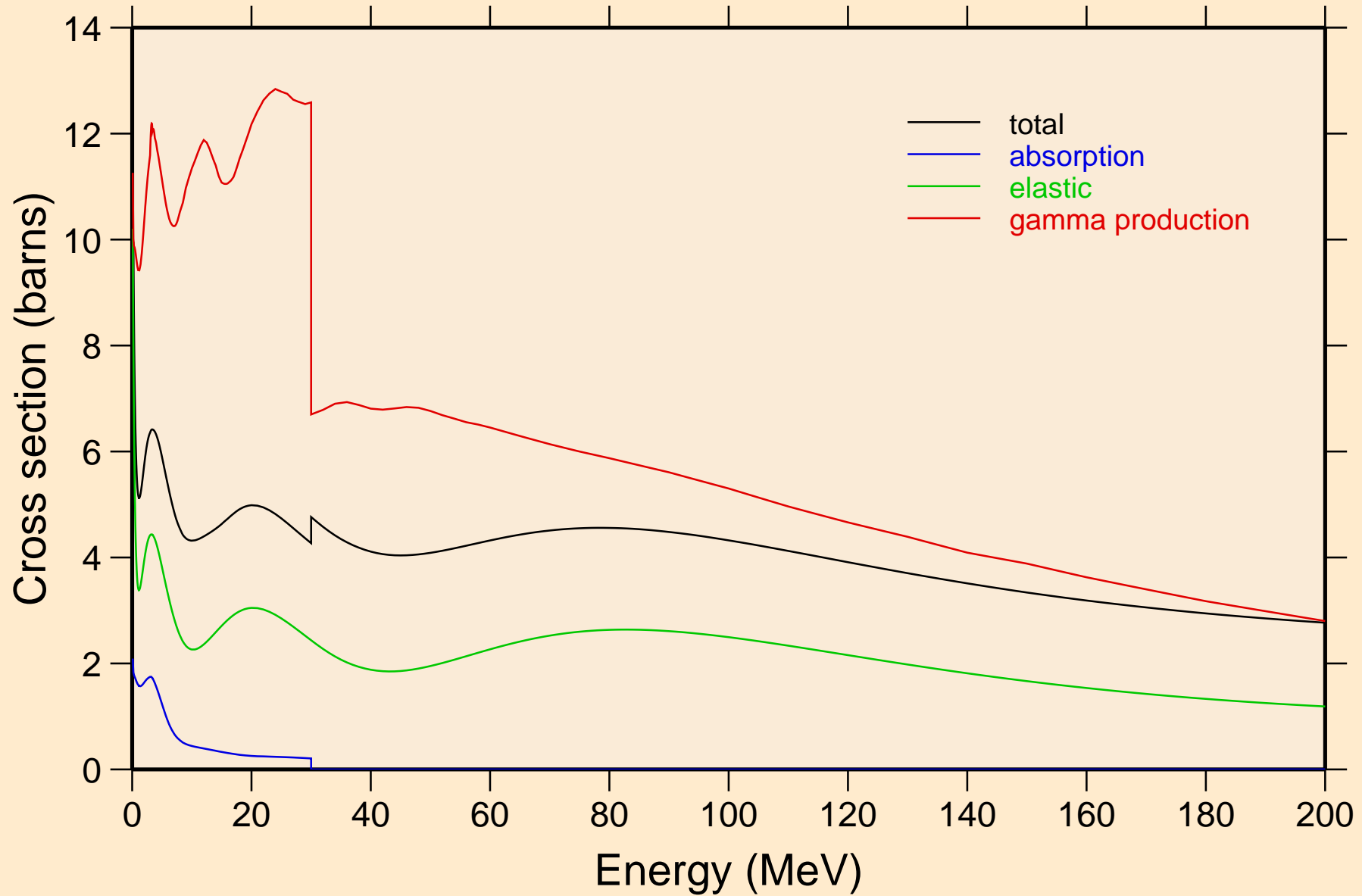


HG183 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Non-threshold reactions

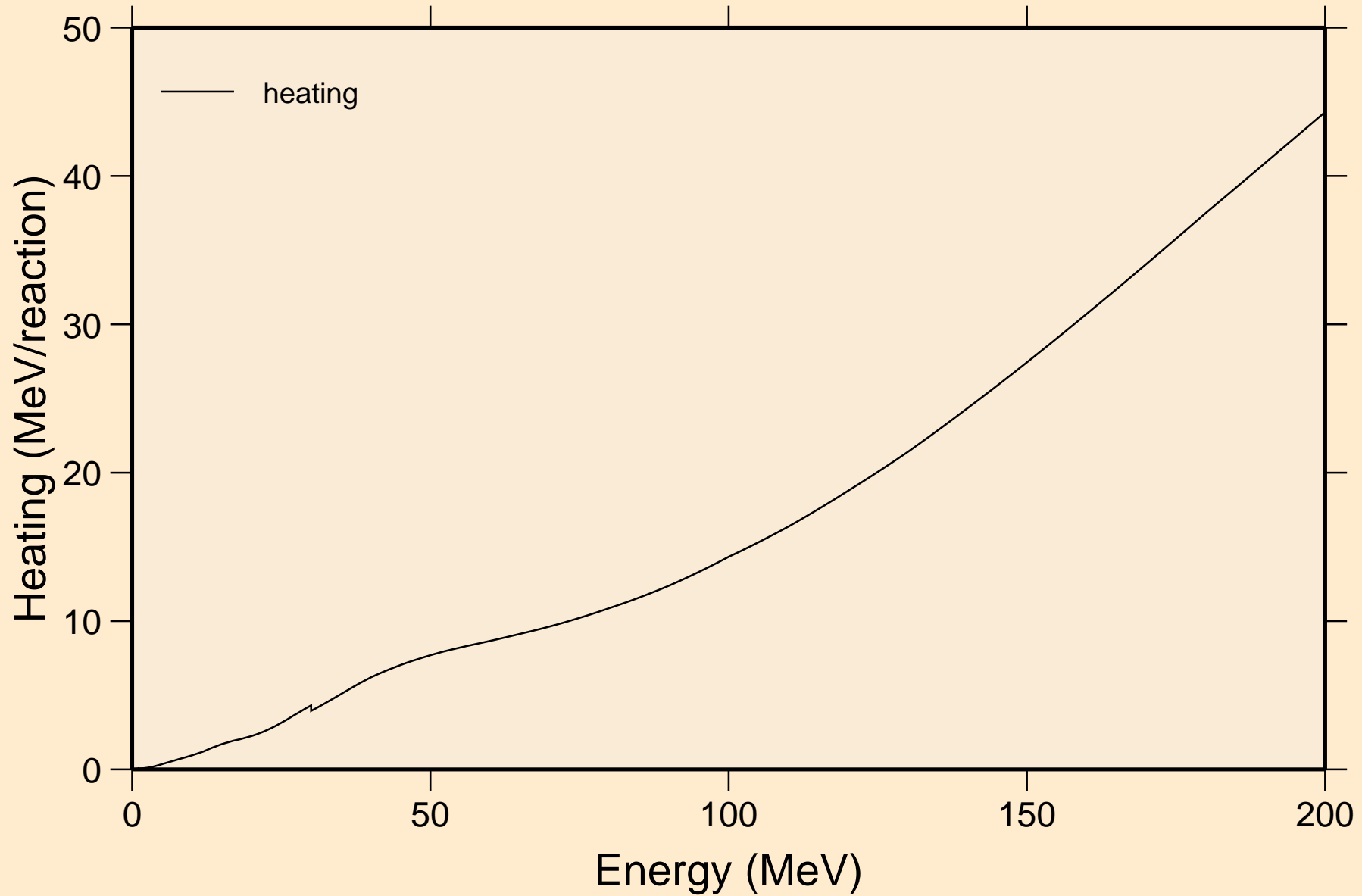


# HG183 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

## Principal cross sections

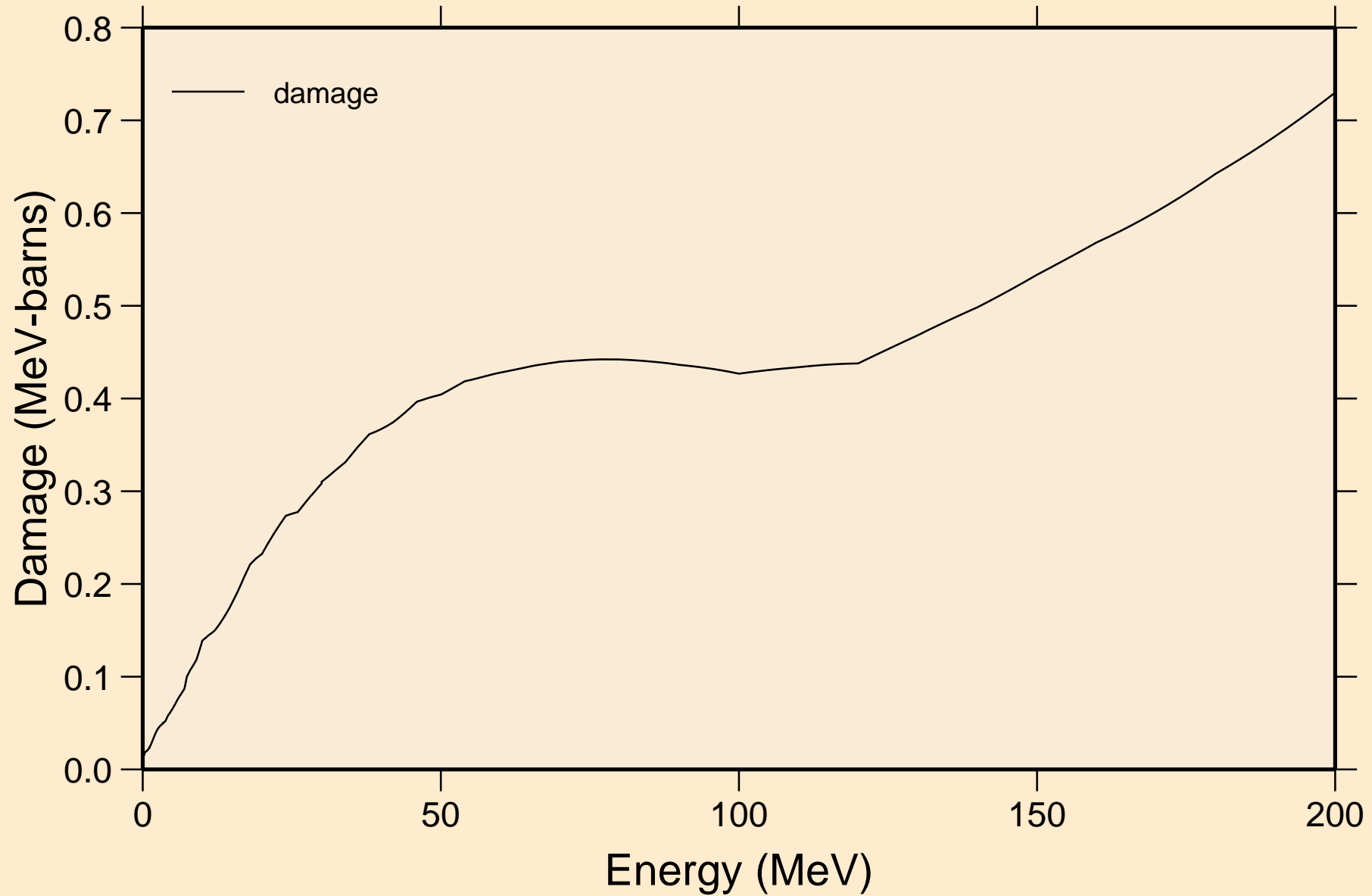


HG183 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Heating

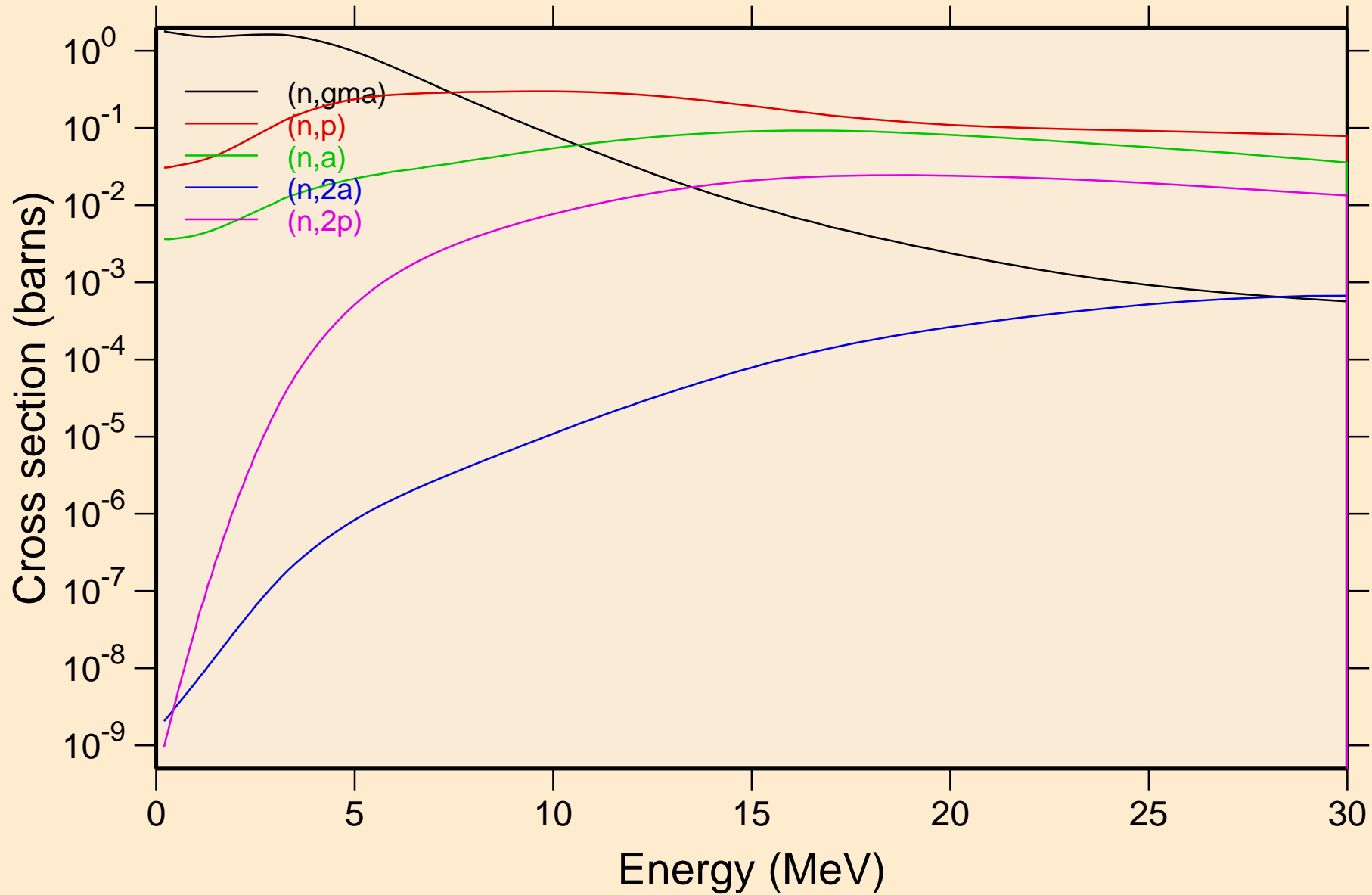


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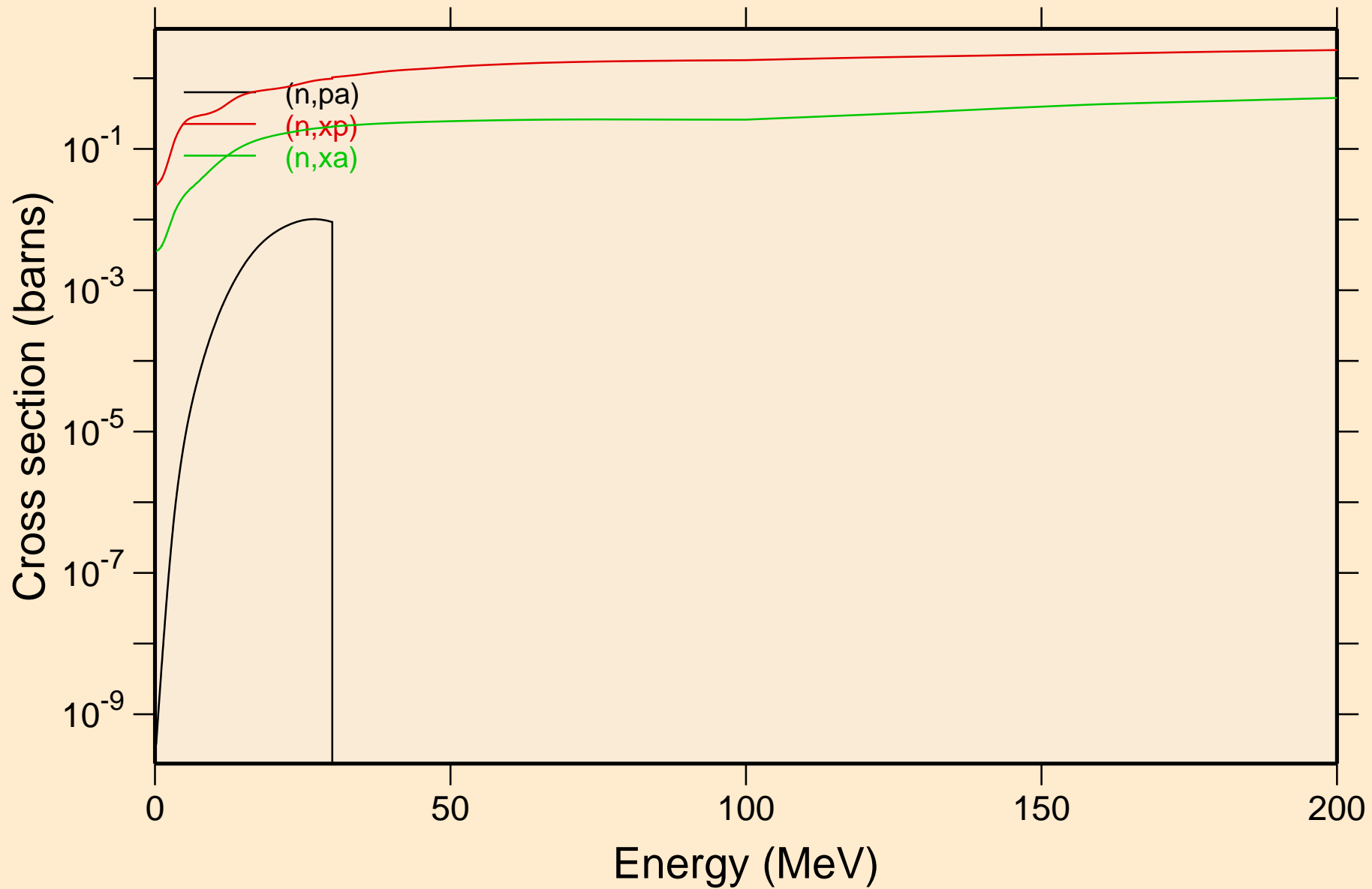
## Damage



HG183 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Non-threshold reactions

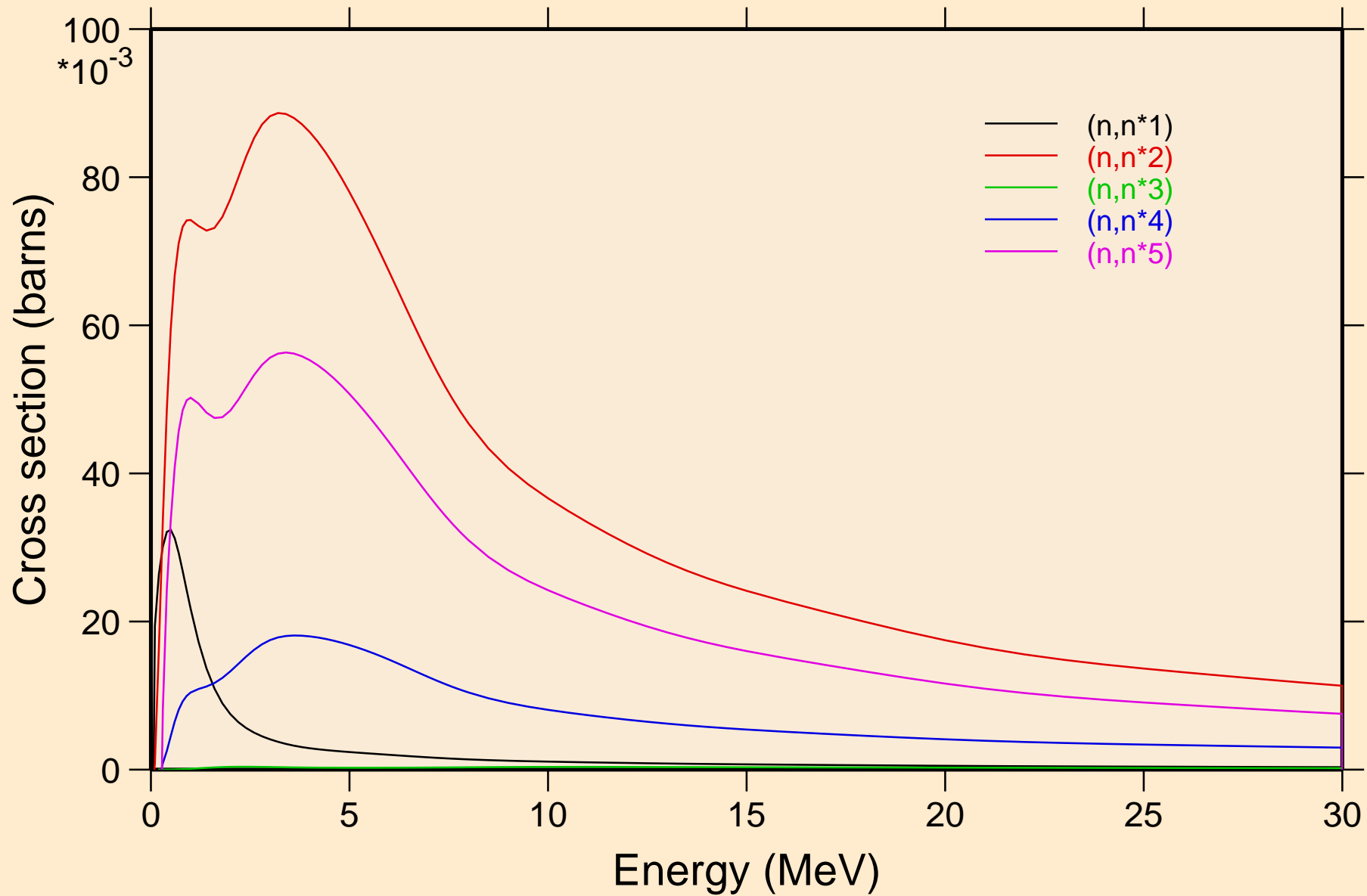


HG183 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Non-threshold reactions

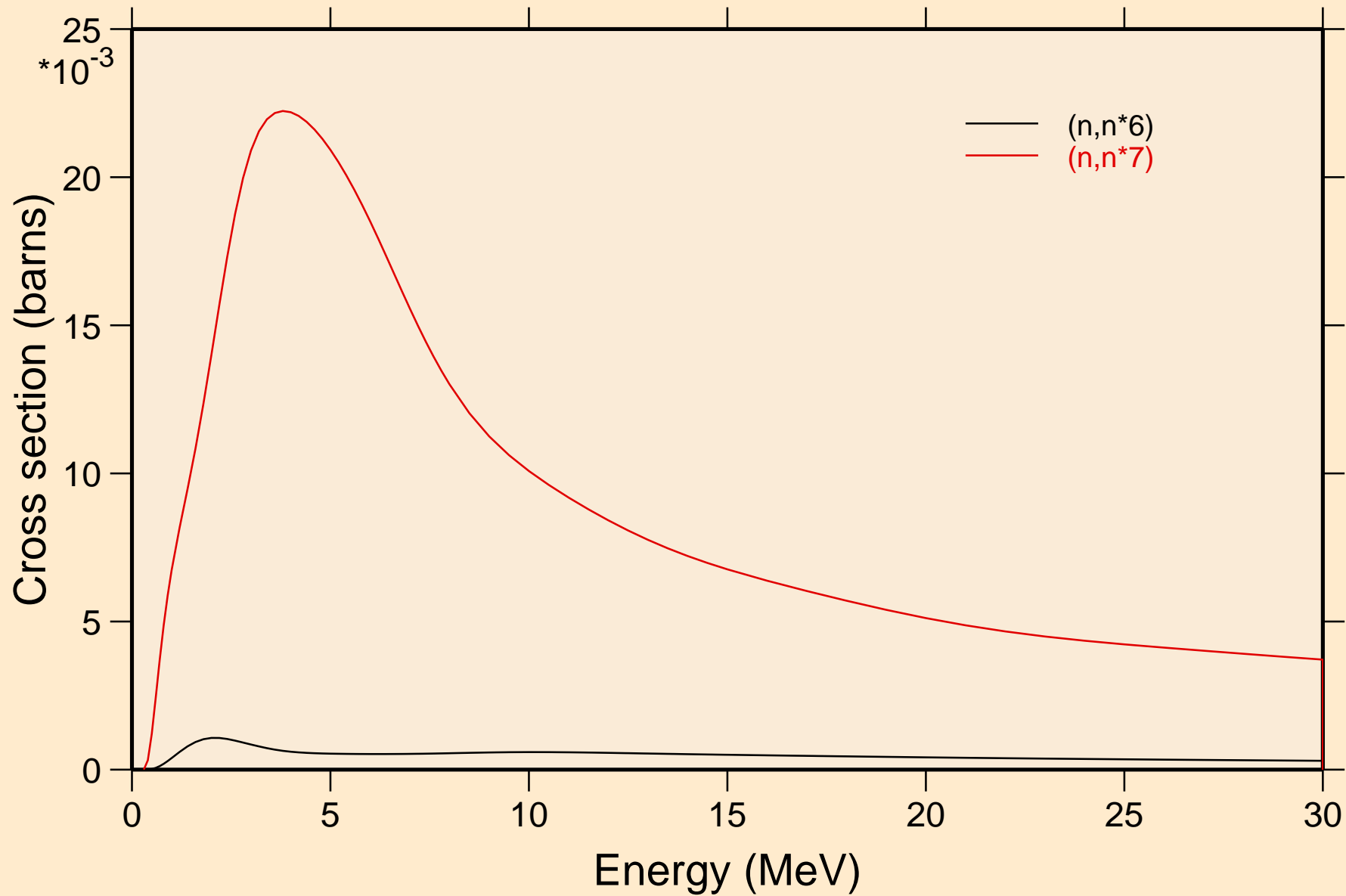


# HG183 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

## Inelastic levels

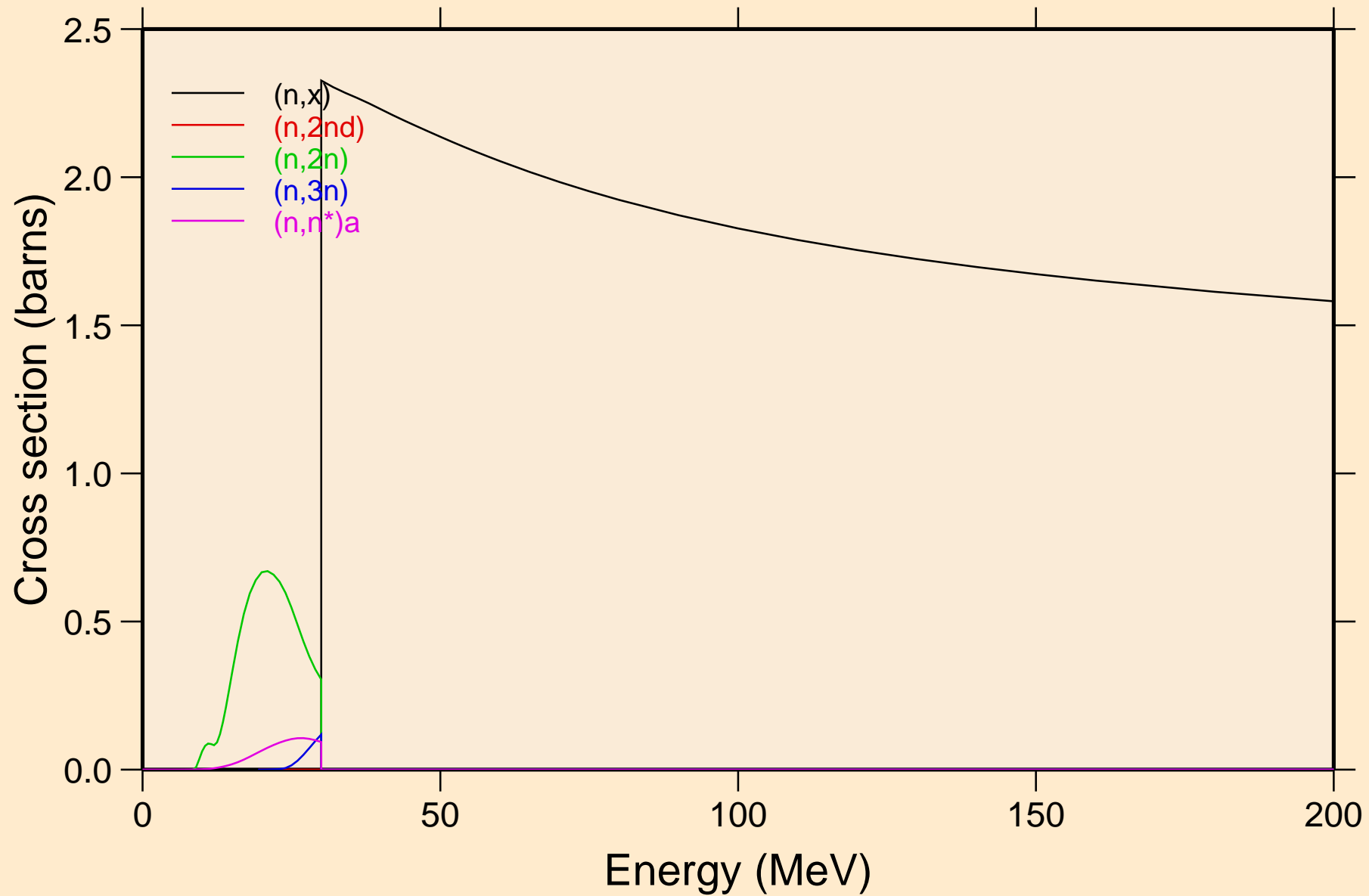


HG183 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Inelastic levels

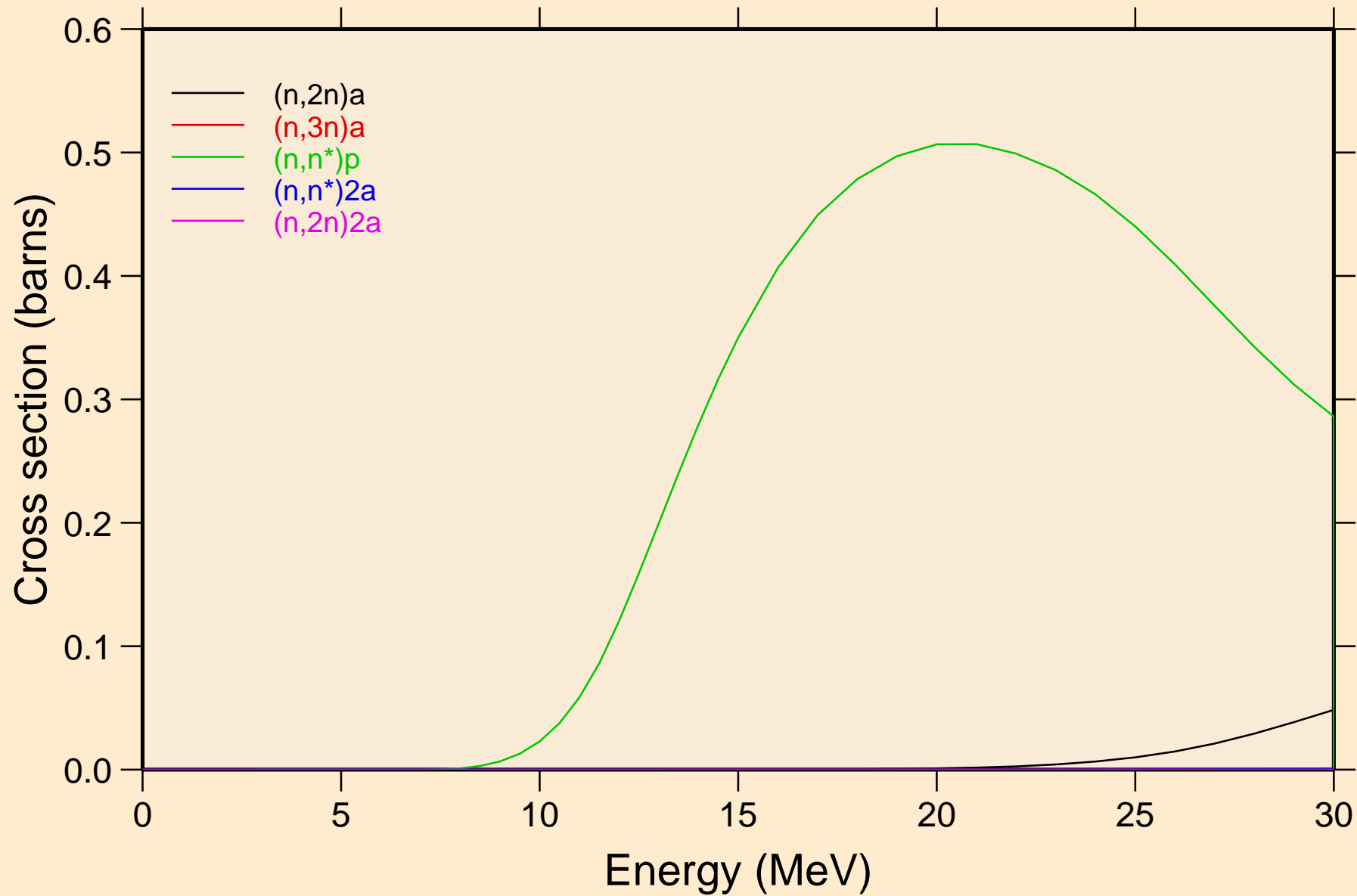


# HG183 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

## Threshold reactions

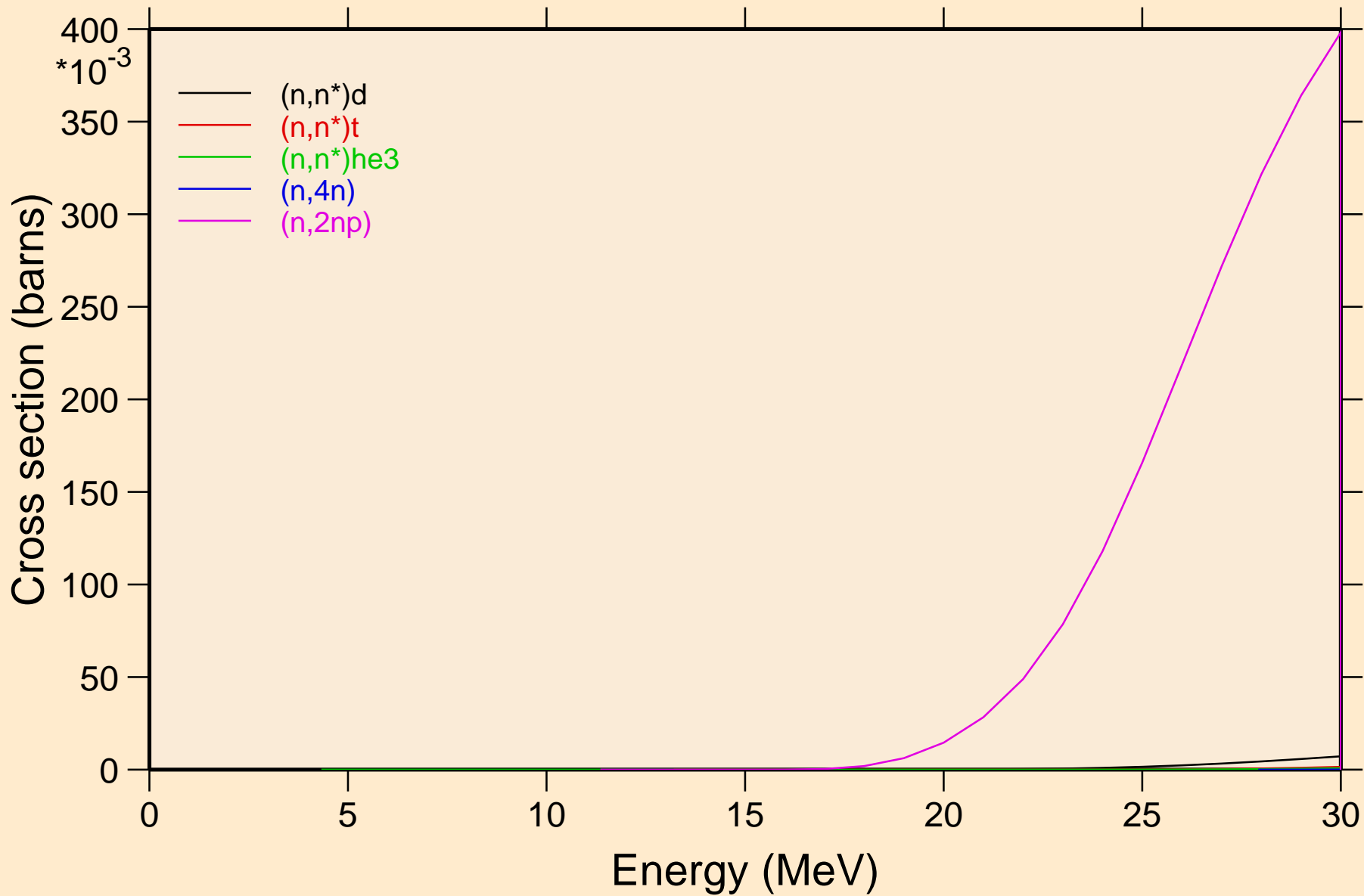


HG183 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Threshold reactions



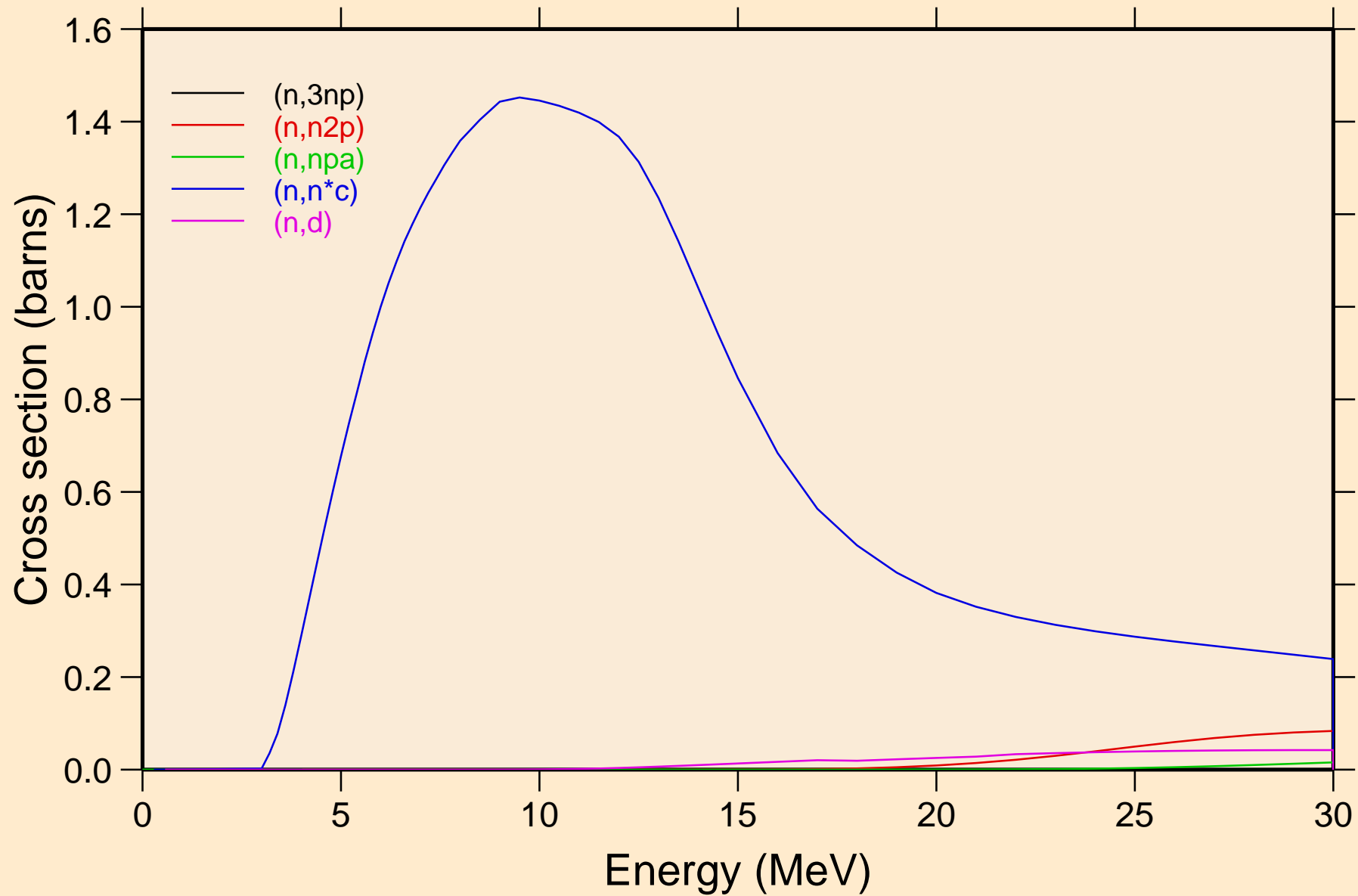
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## Threshold reactions



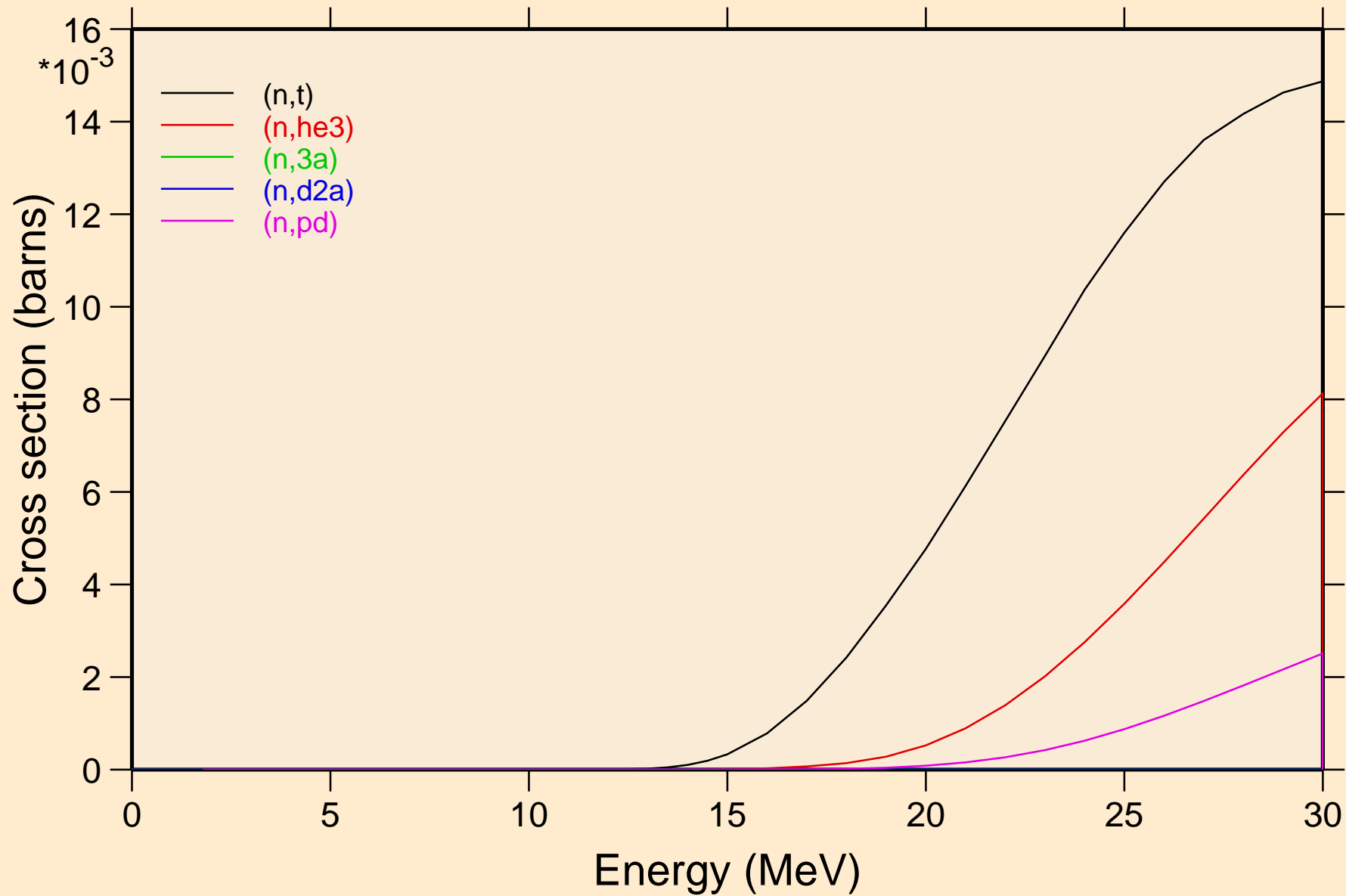
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## Threshold reactions



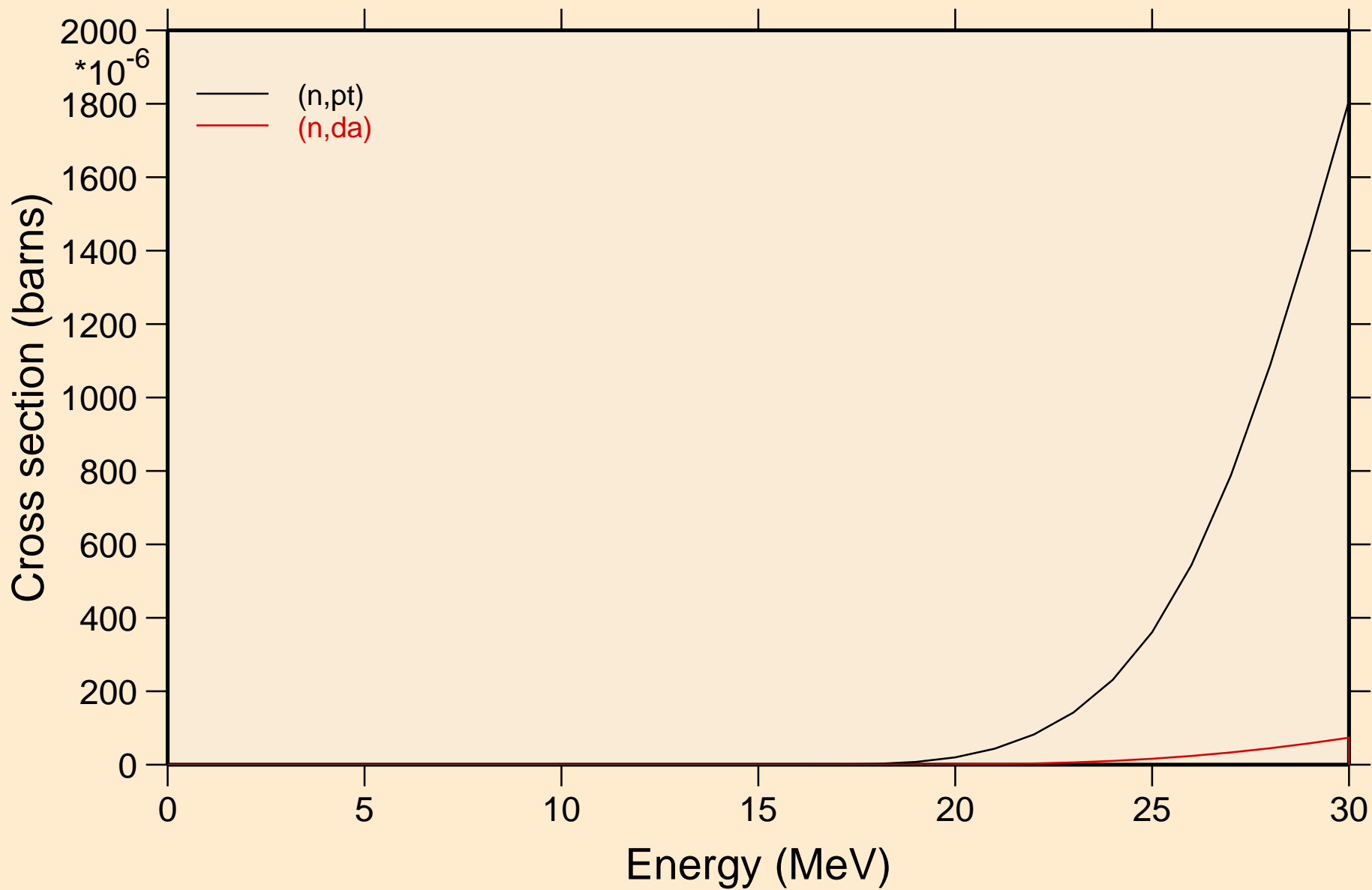
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## Threshold reactions

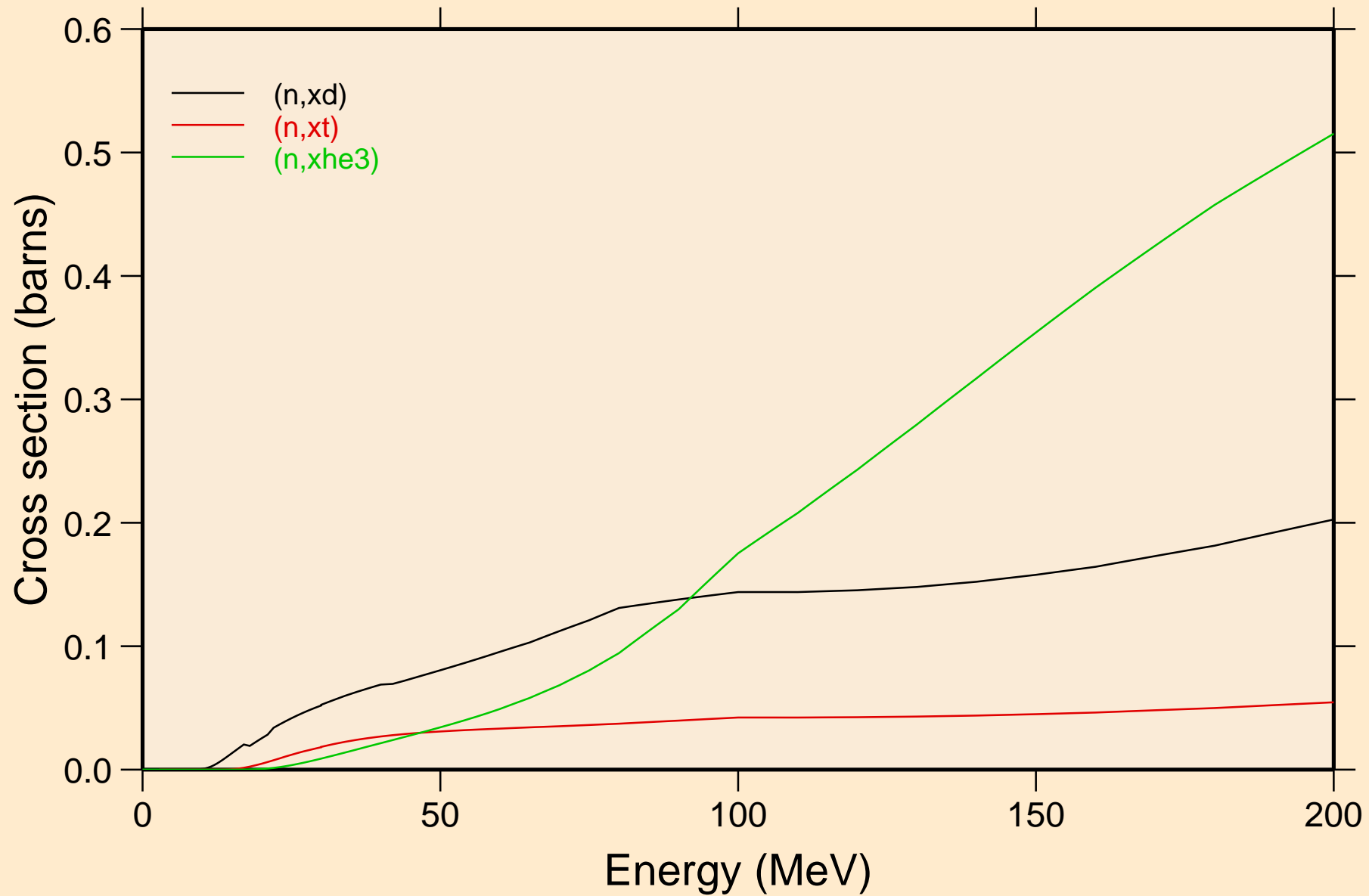


# HG183 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

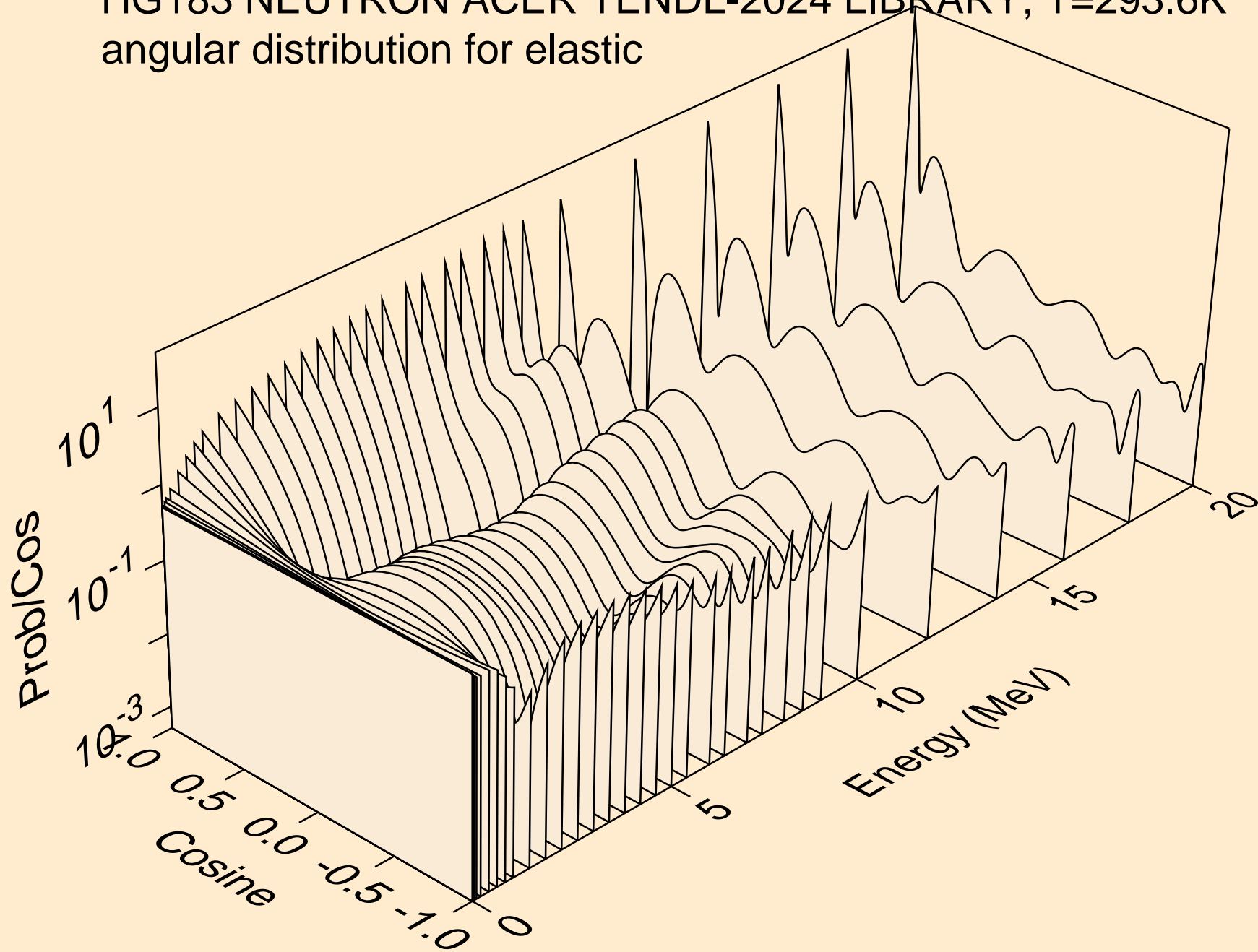
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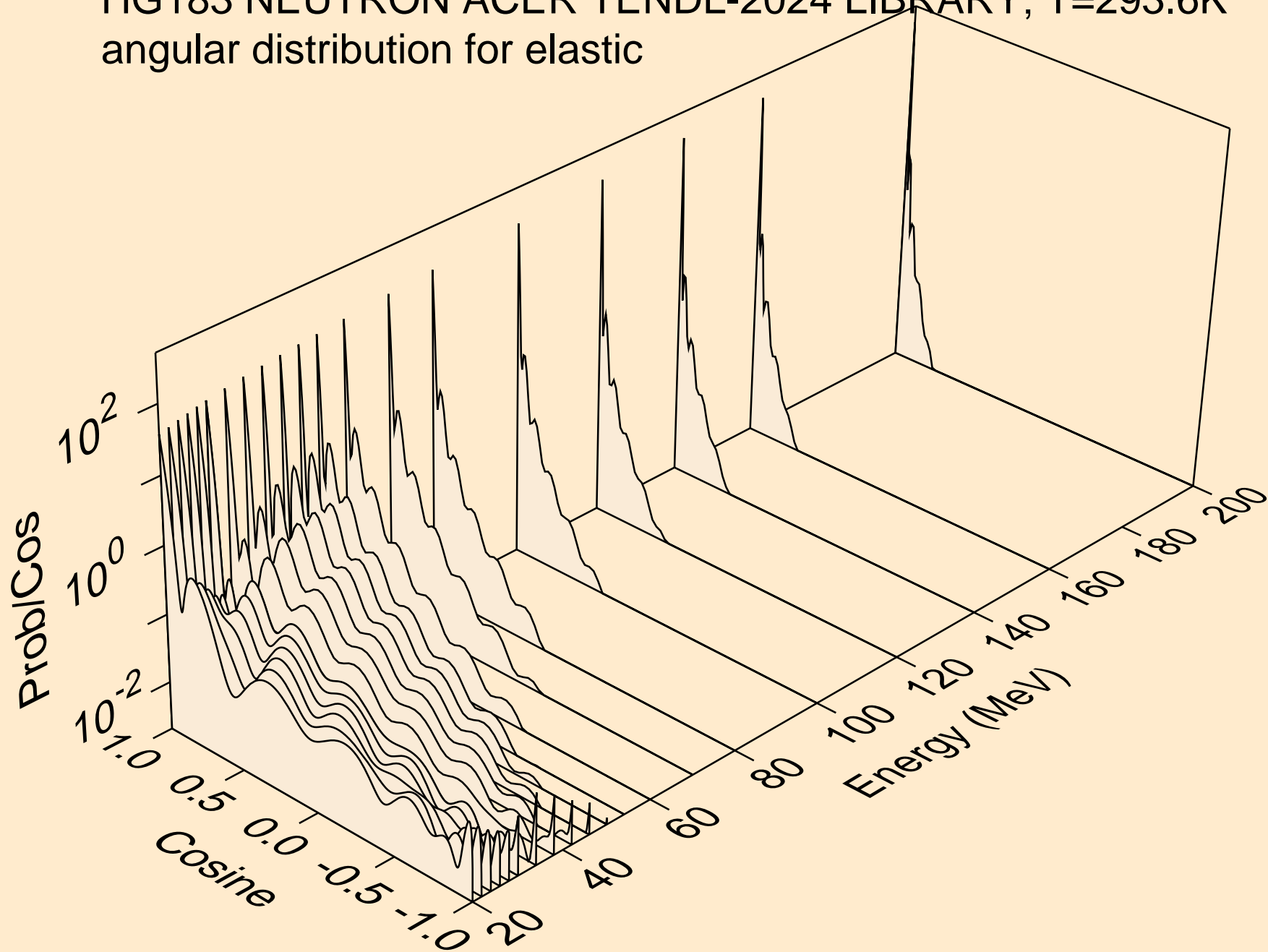
HG183 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Threshold reactions



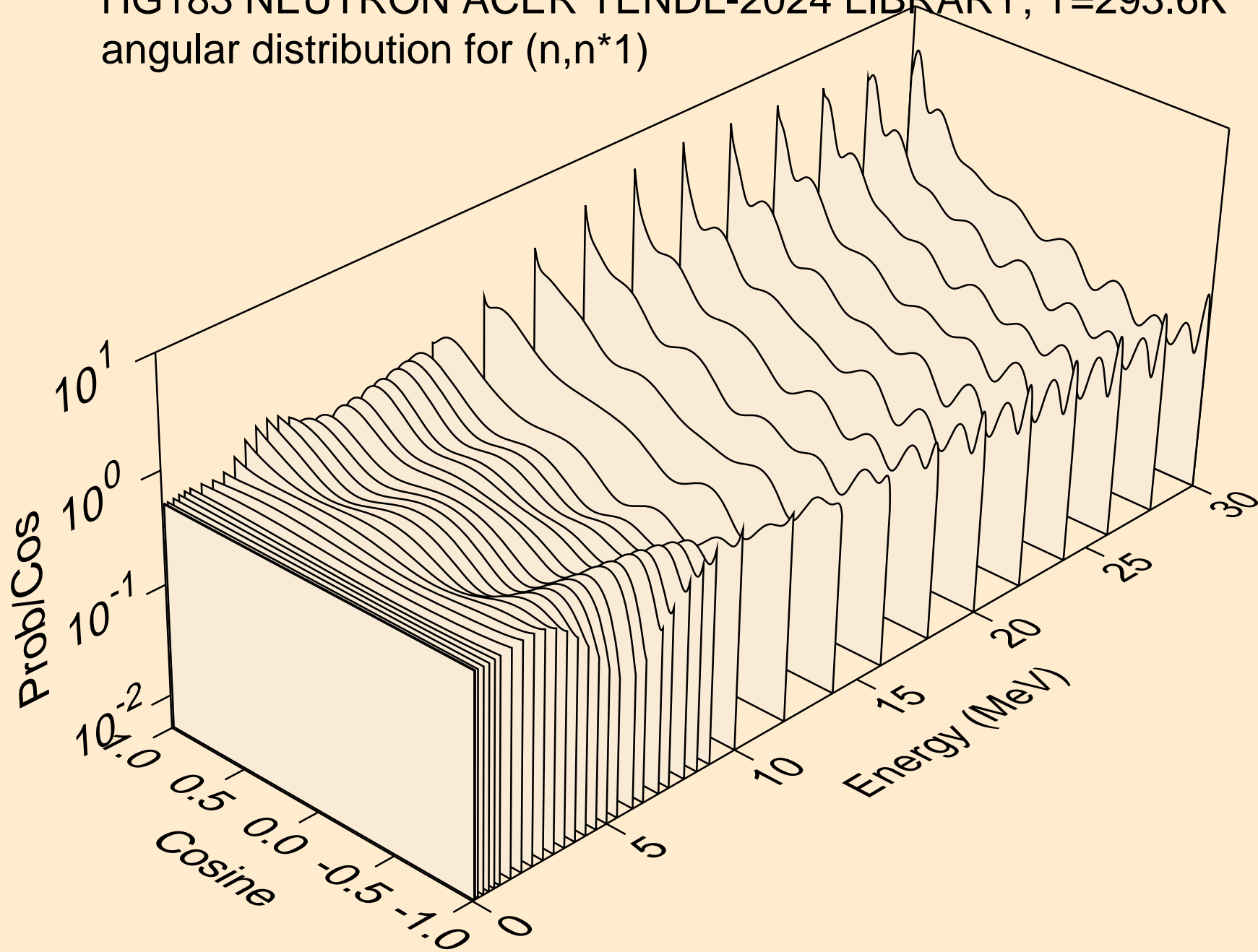
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angular distribution for elastic



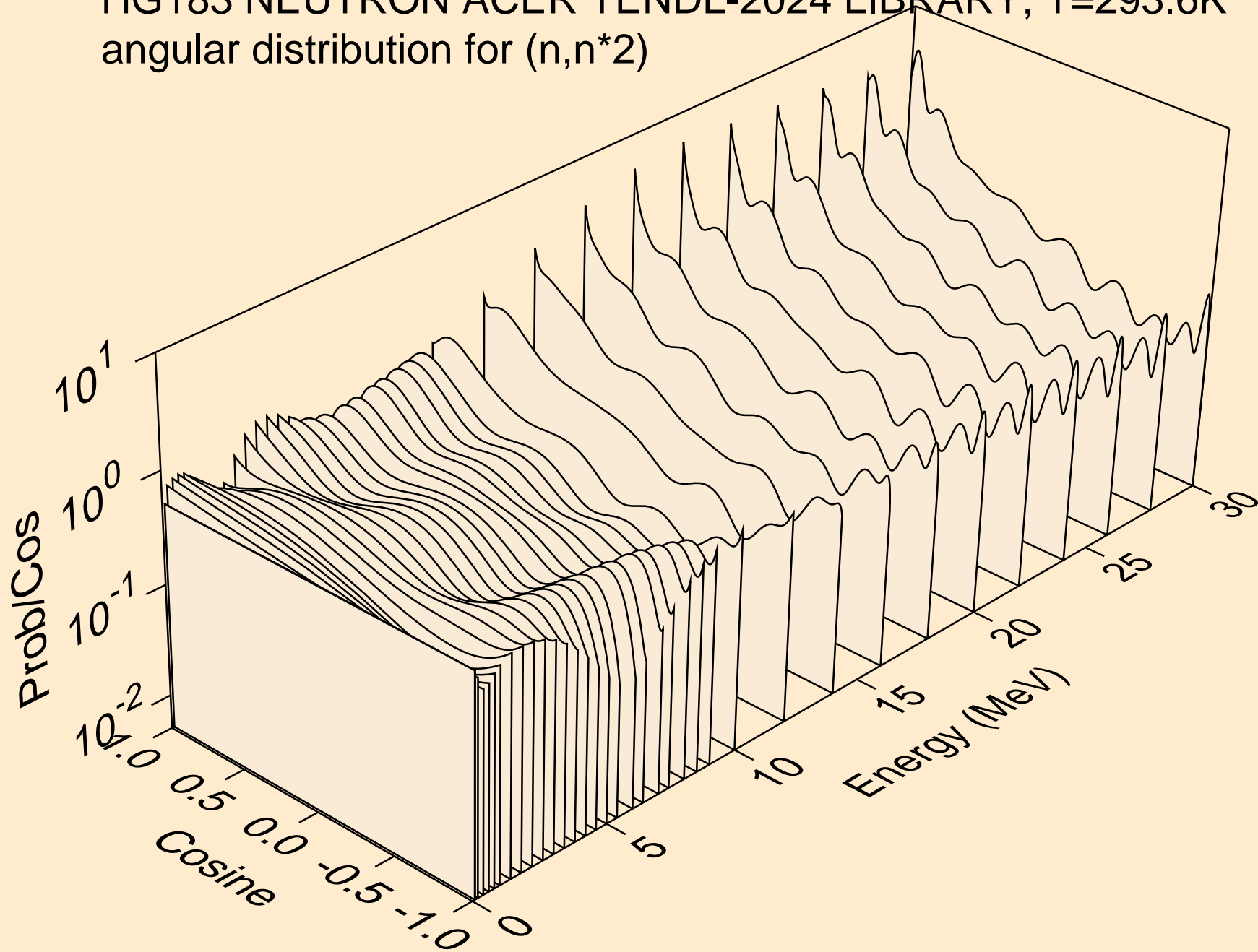
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angular distribution for elastic



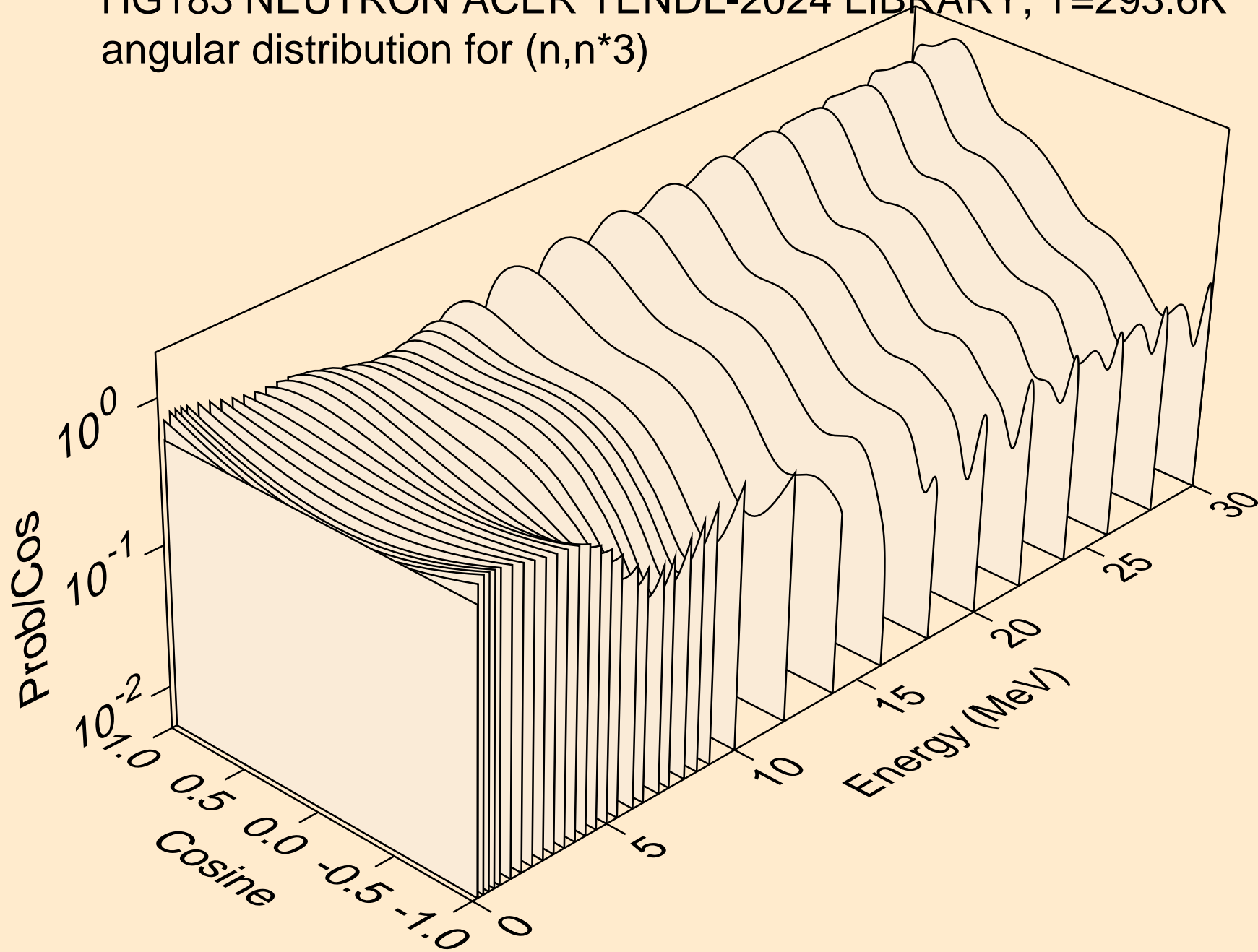
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angular distribution for (n,n\*1)



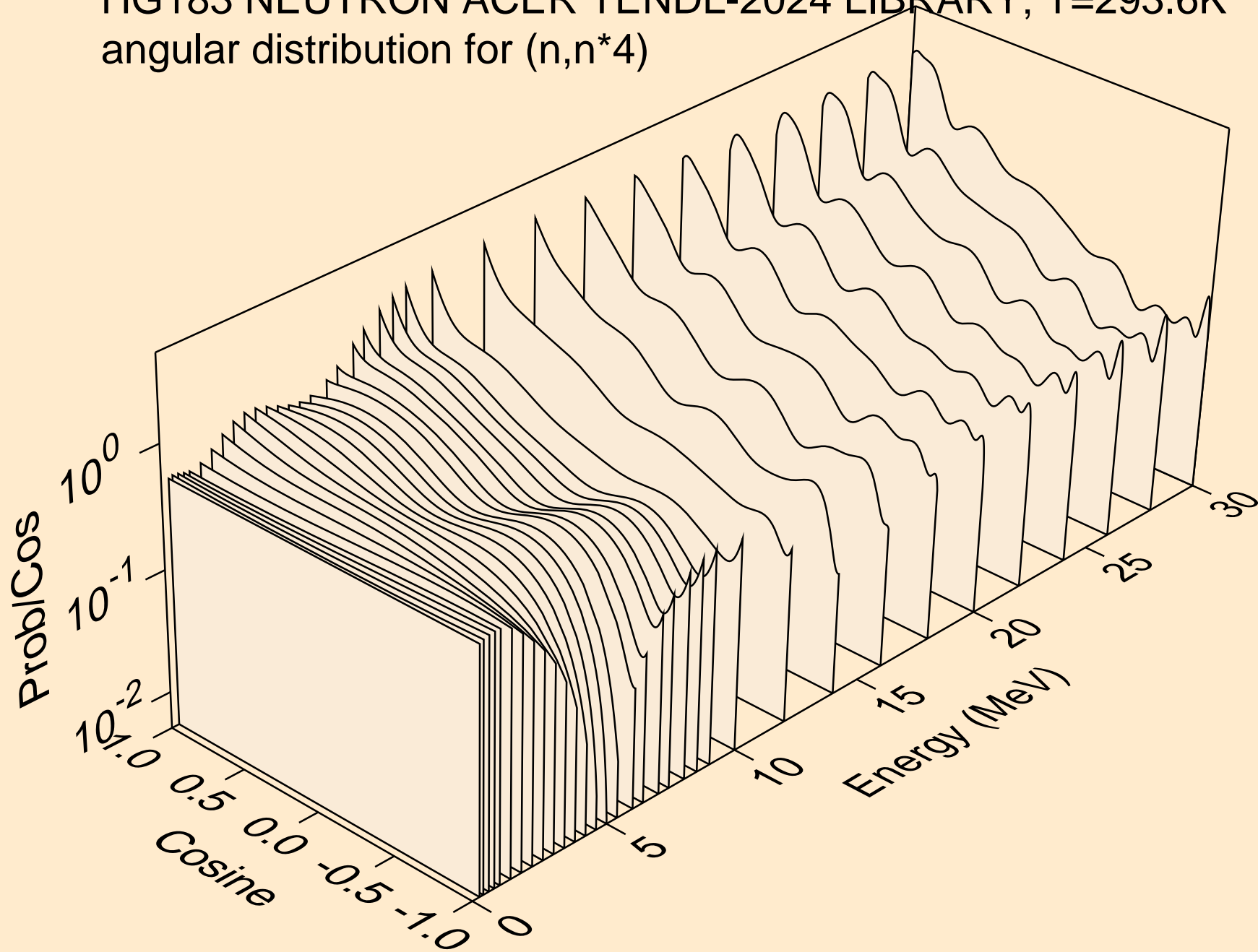
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angular distribution for (n,n\*2)



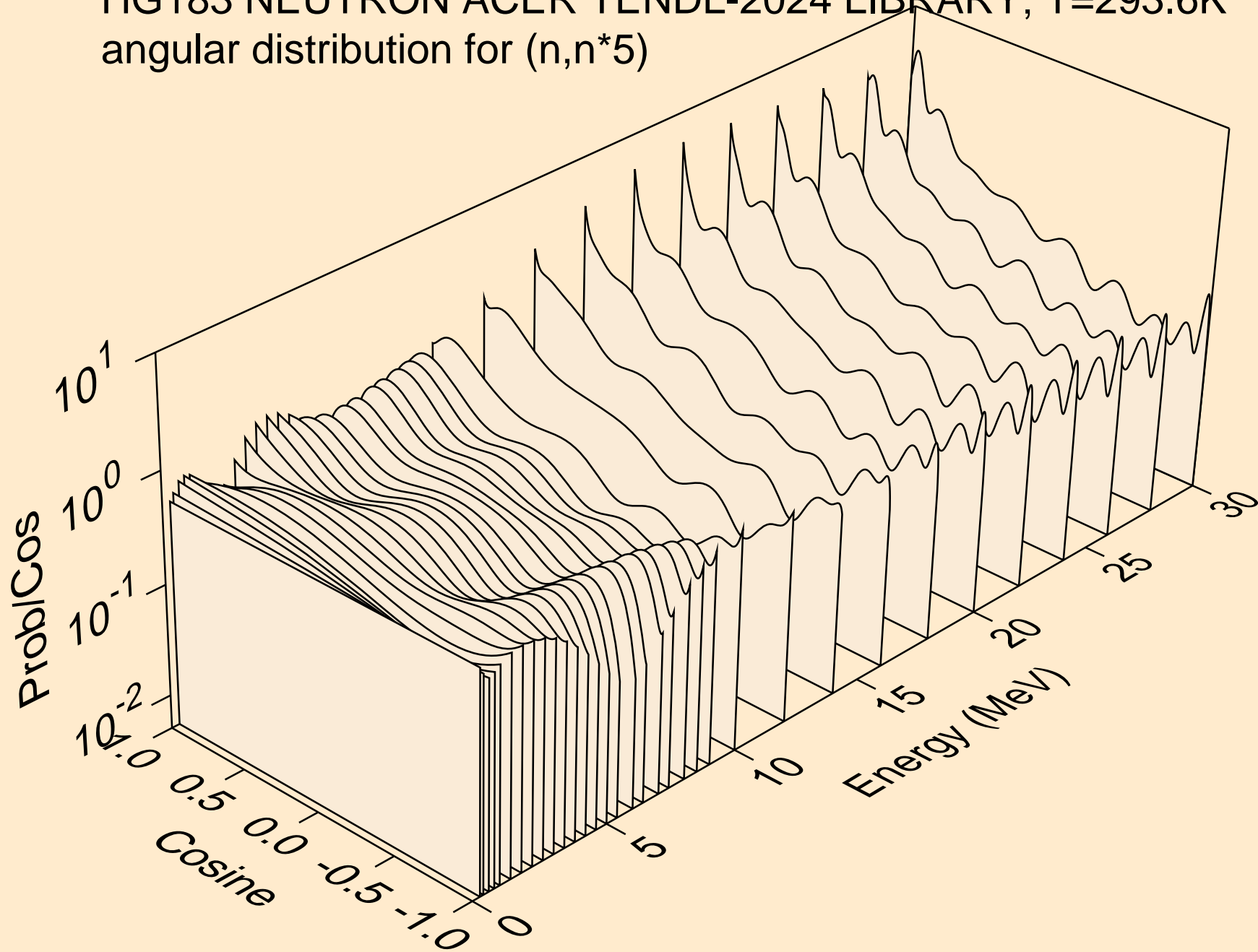
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angular distribution for (n,n\*3)



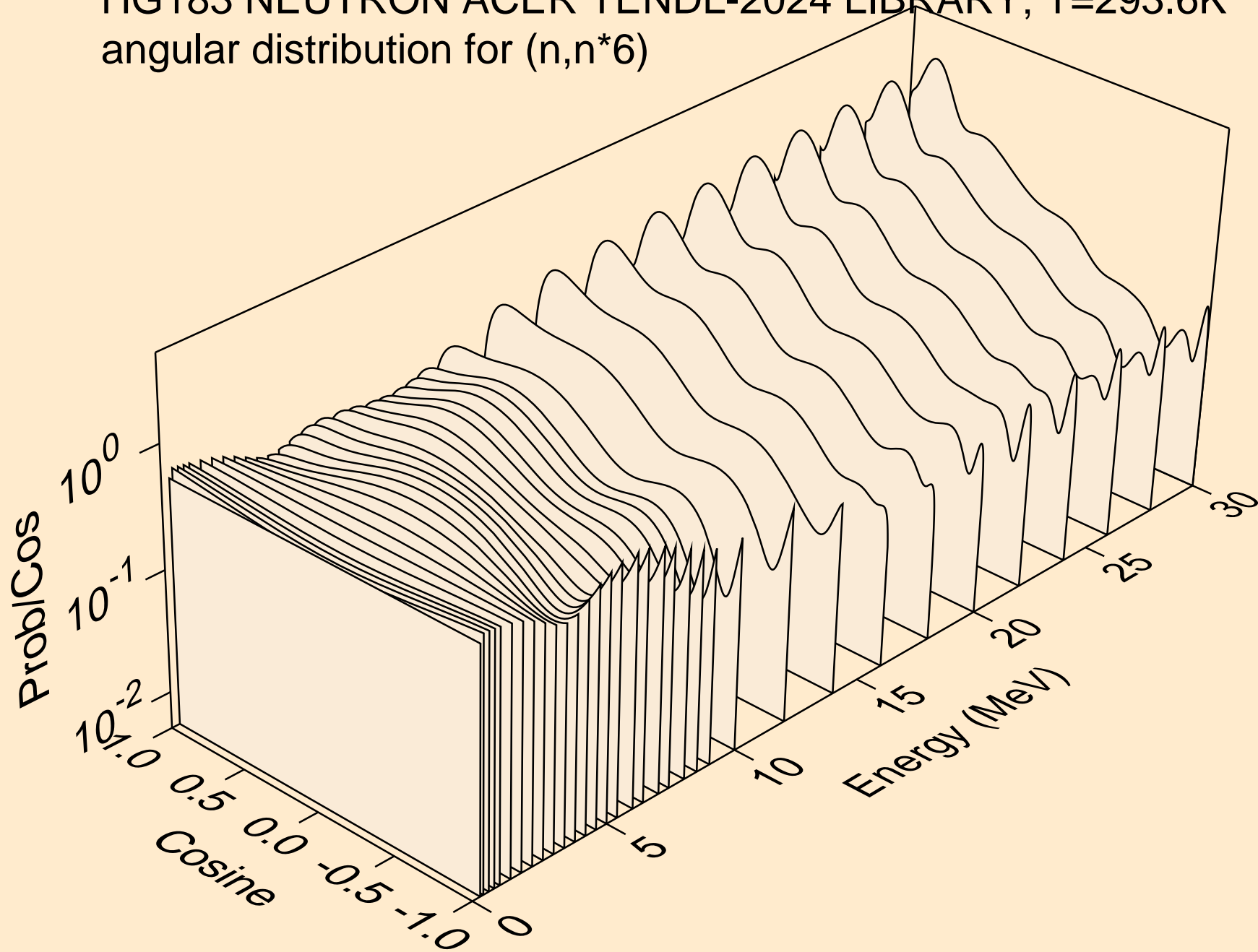
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angular distribution for (n,n\*4)



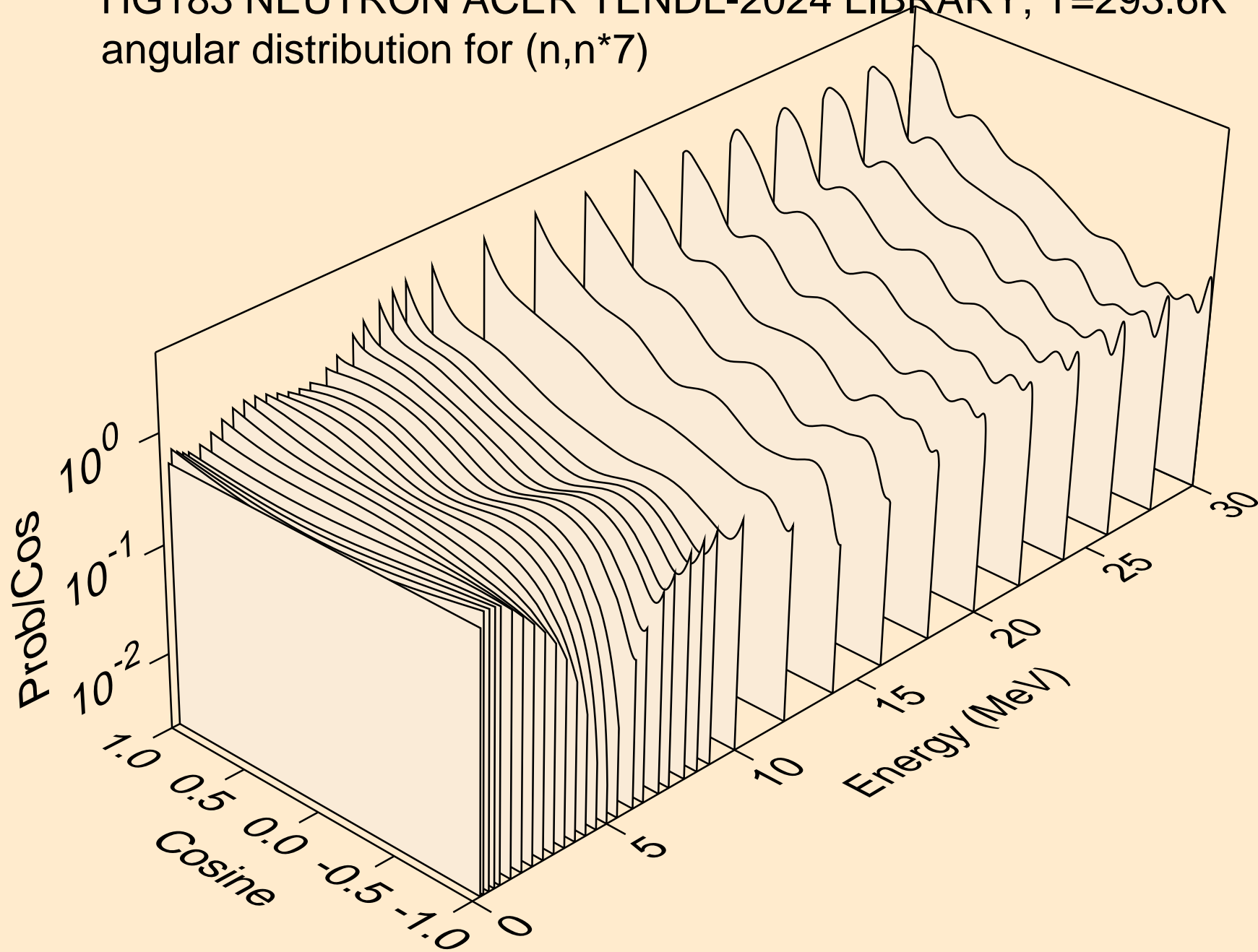
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angular distribution for (n,n\*5)



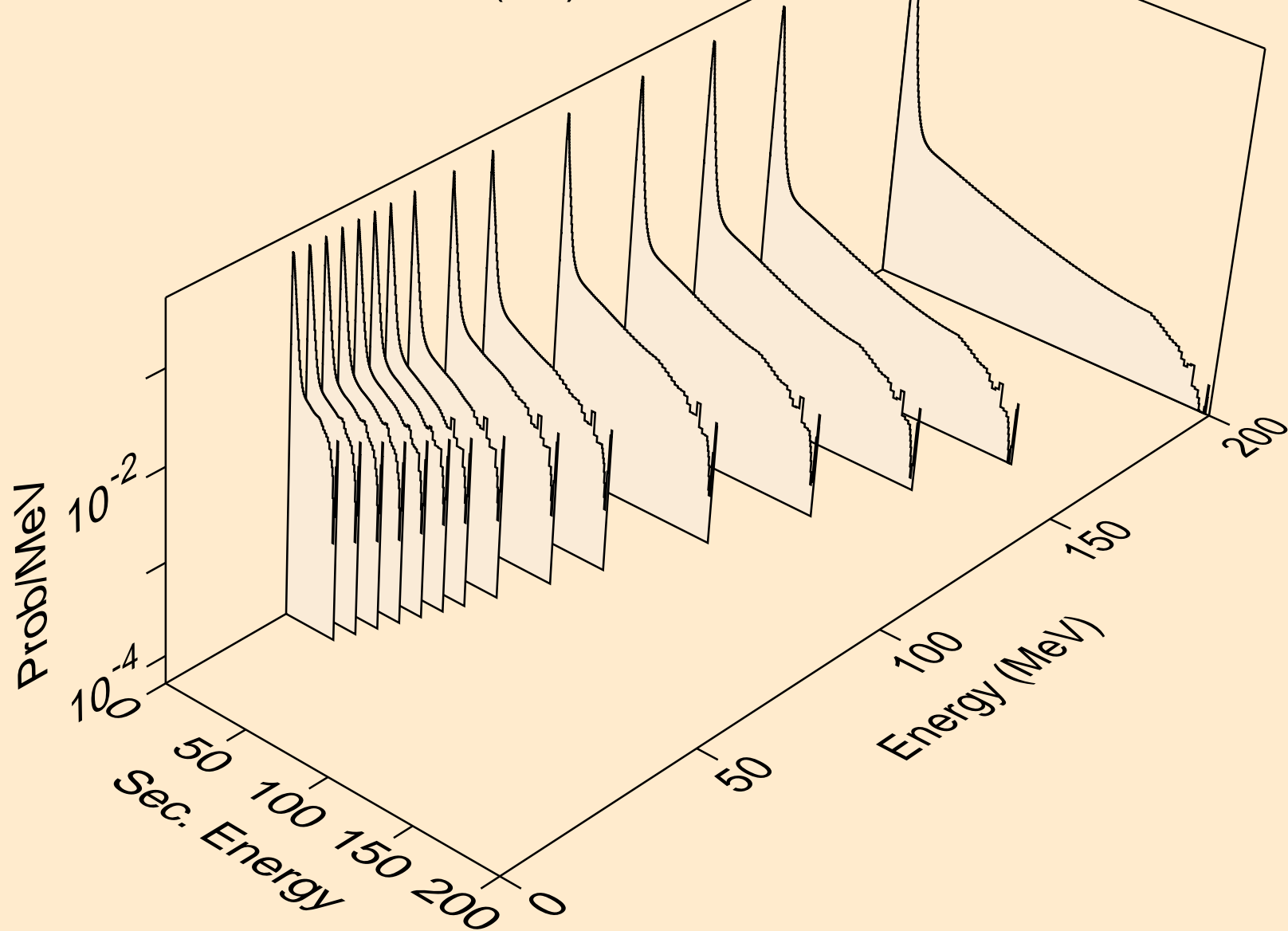
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angular distribution for (n,n\*6)



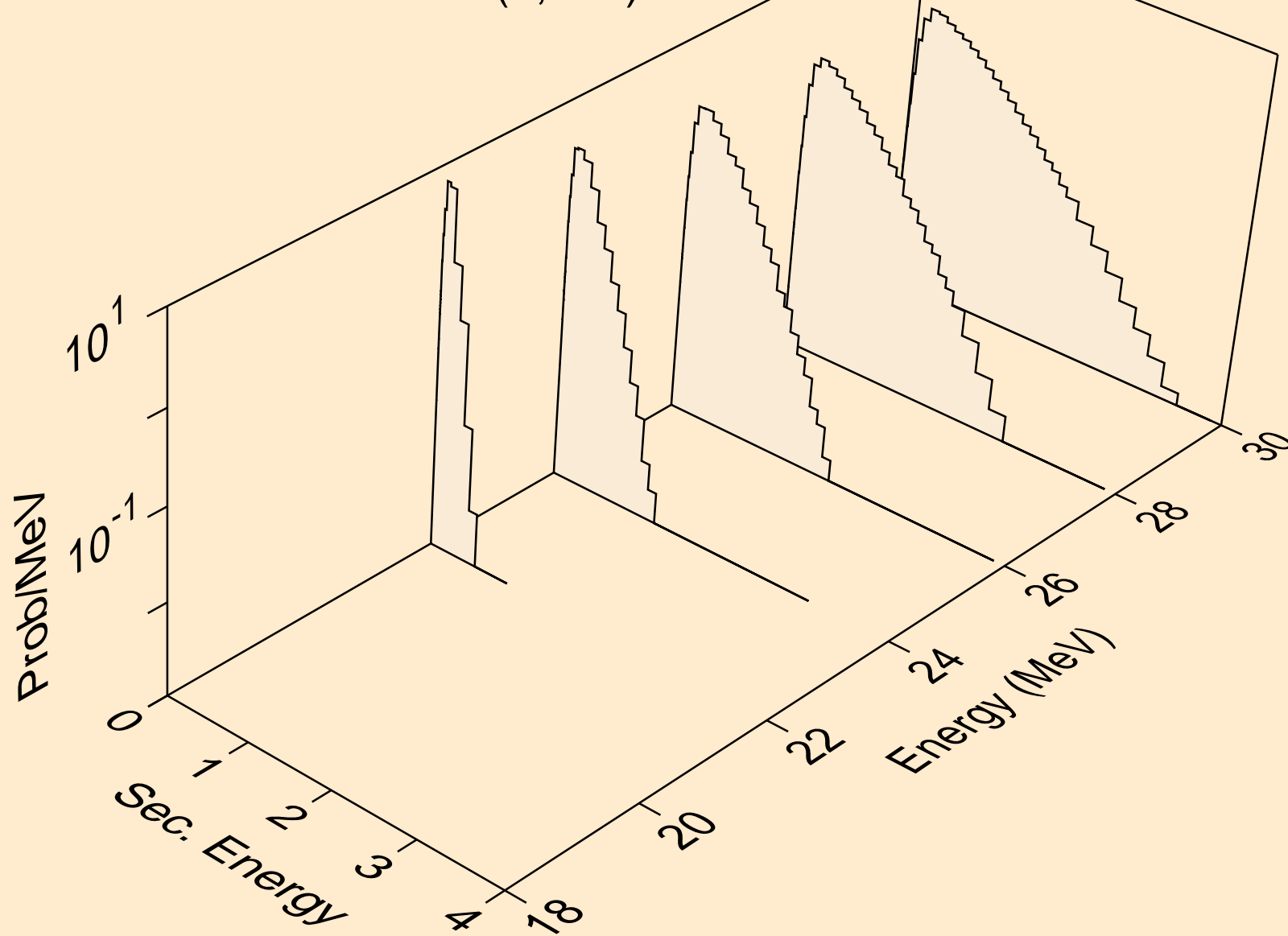
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angular distribution for (n,n\*7)



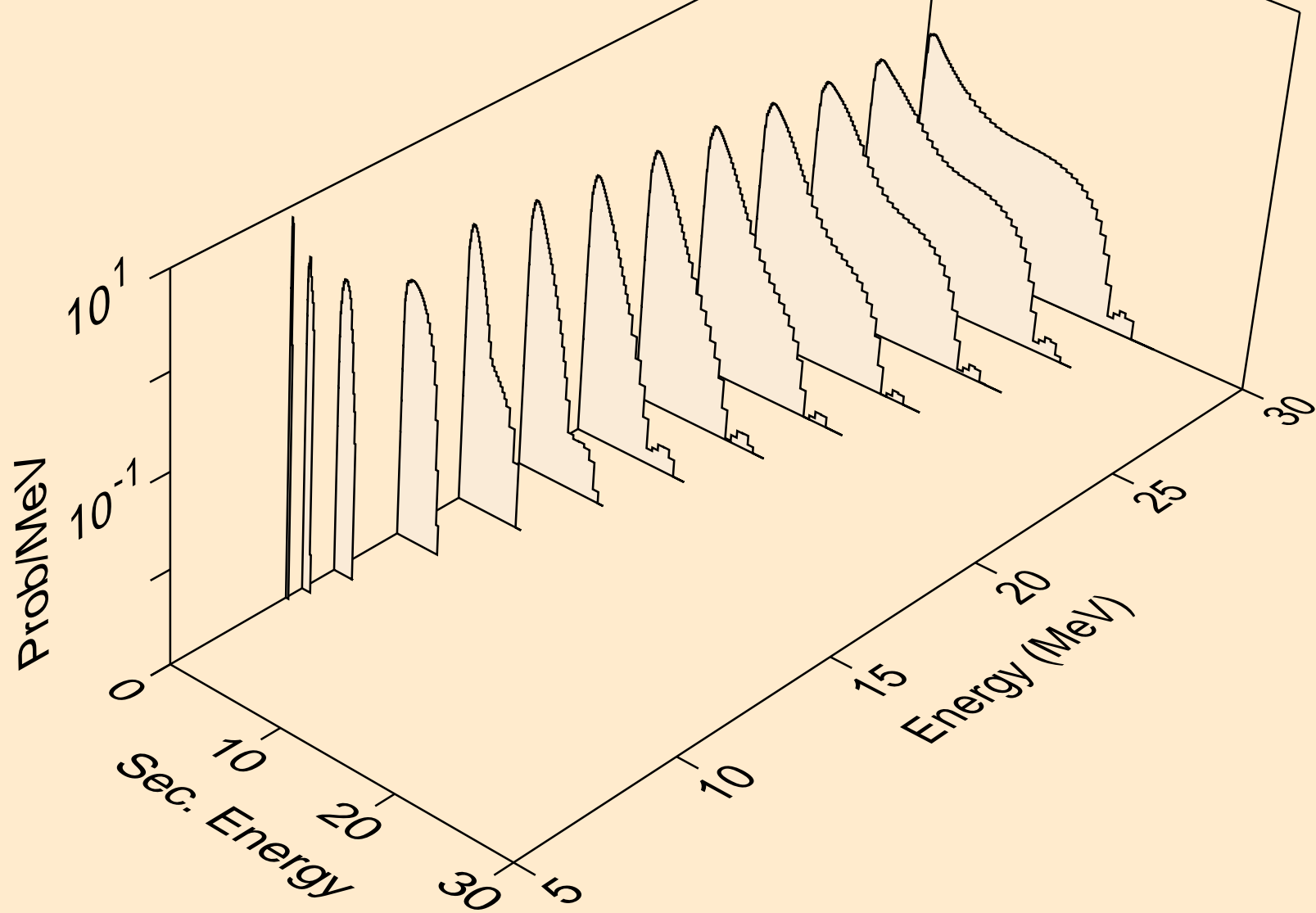
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Neutron emission for (n,x)



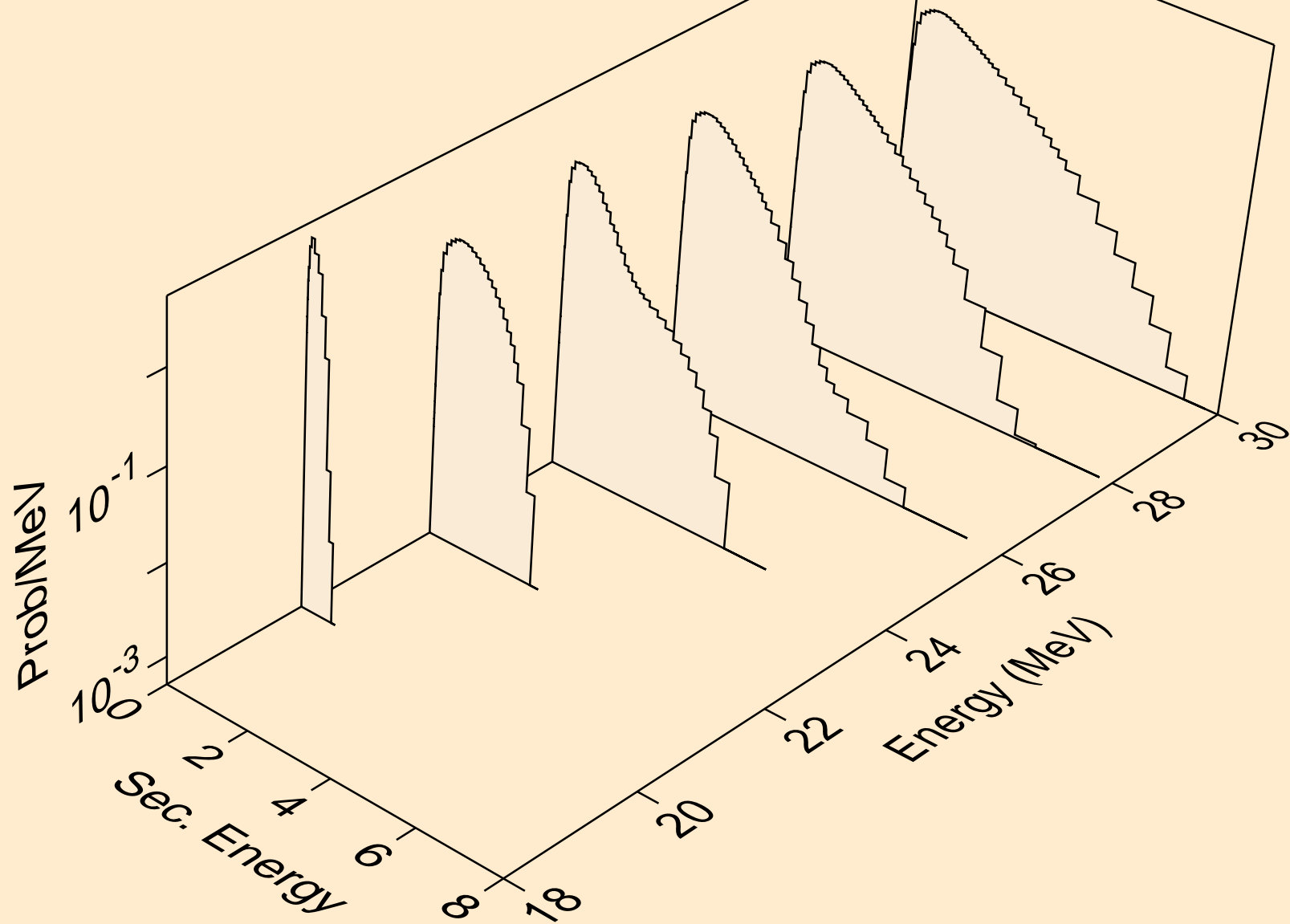
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Neutron emission for (n,2nd)



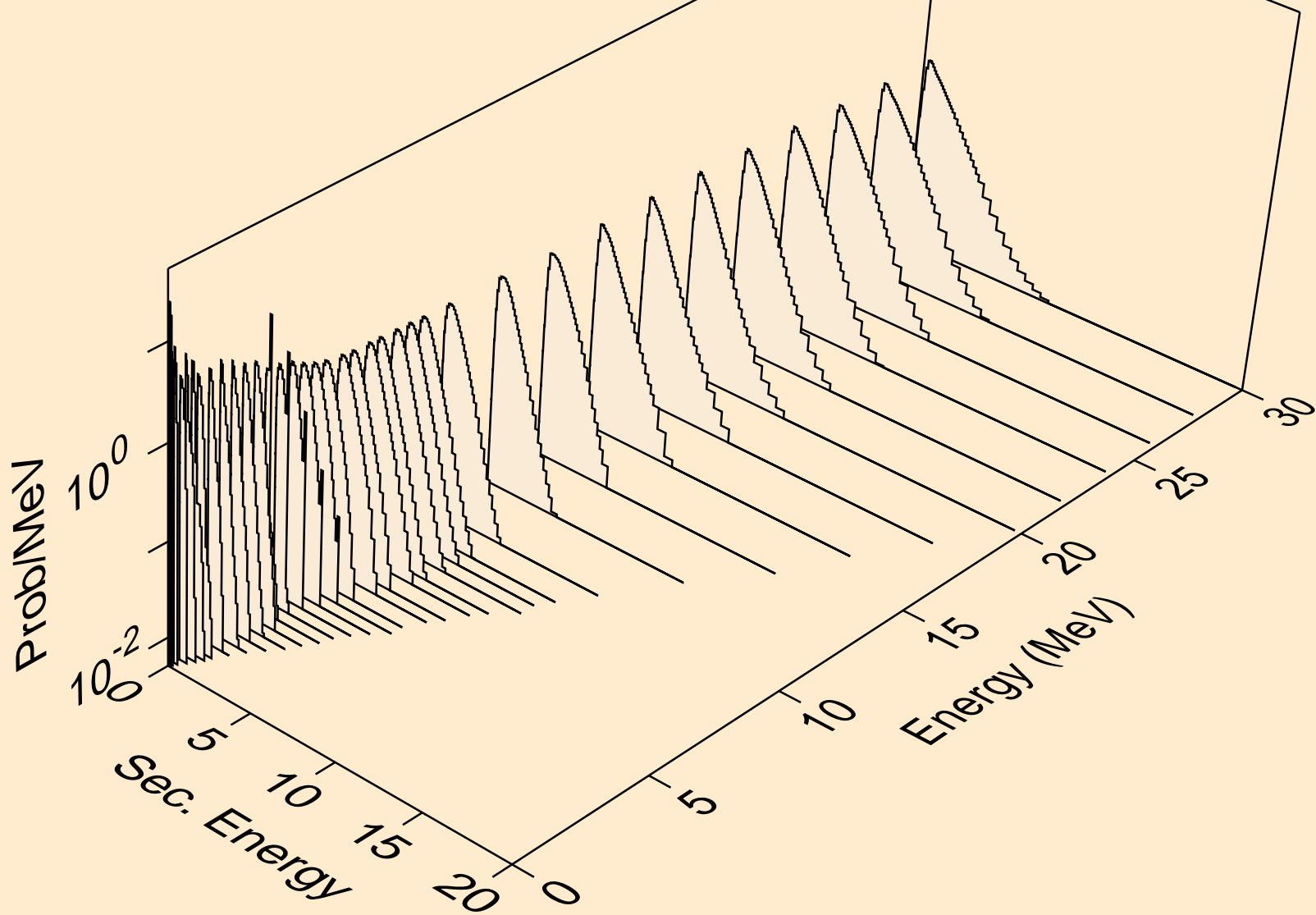
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Neutron emission for (n,2n)



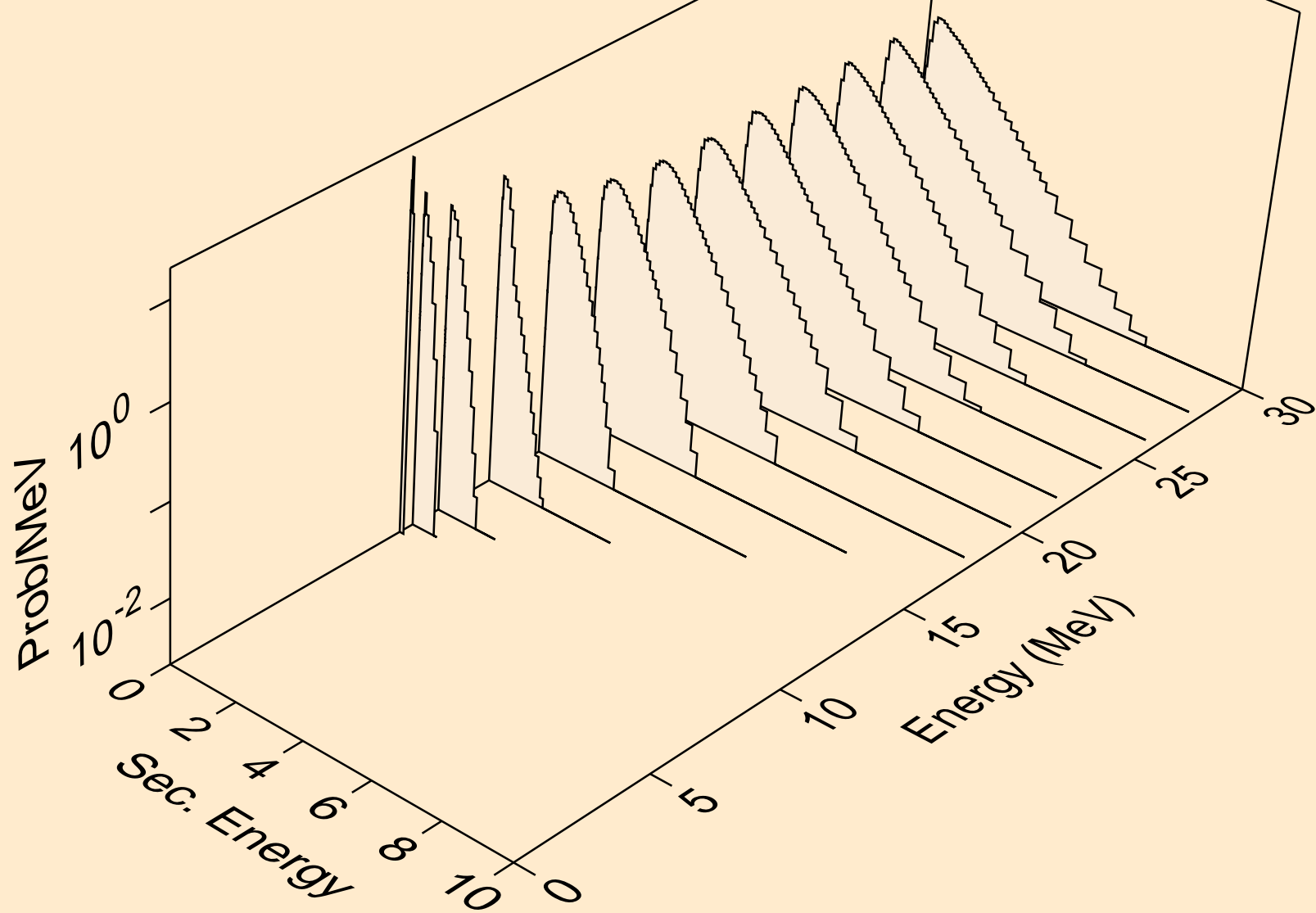
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Neutron emission for (n,3n)



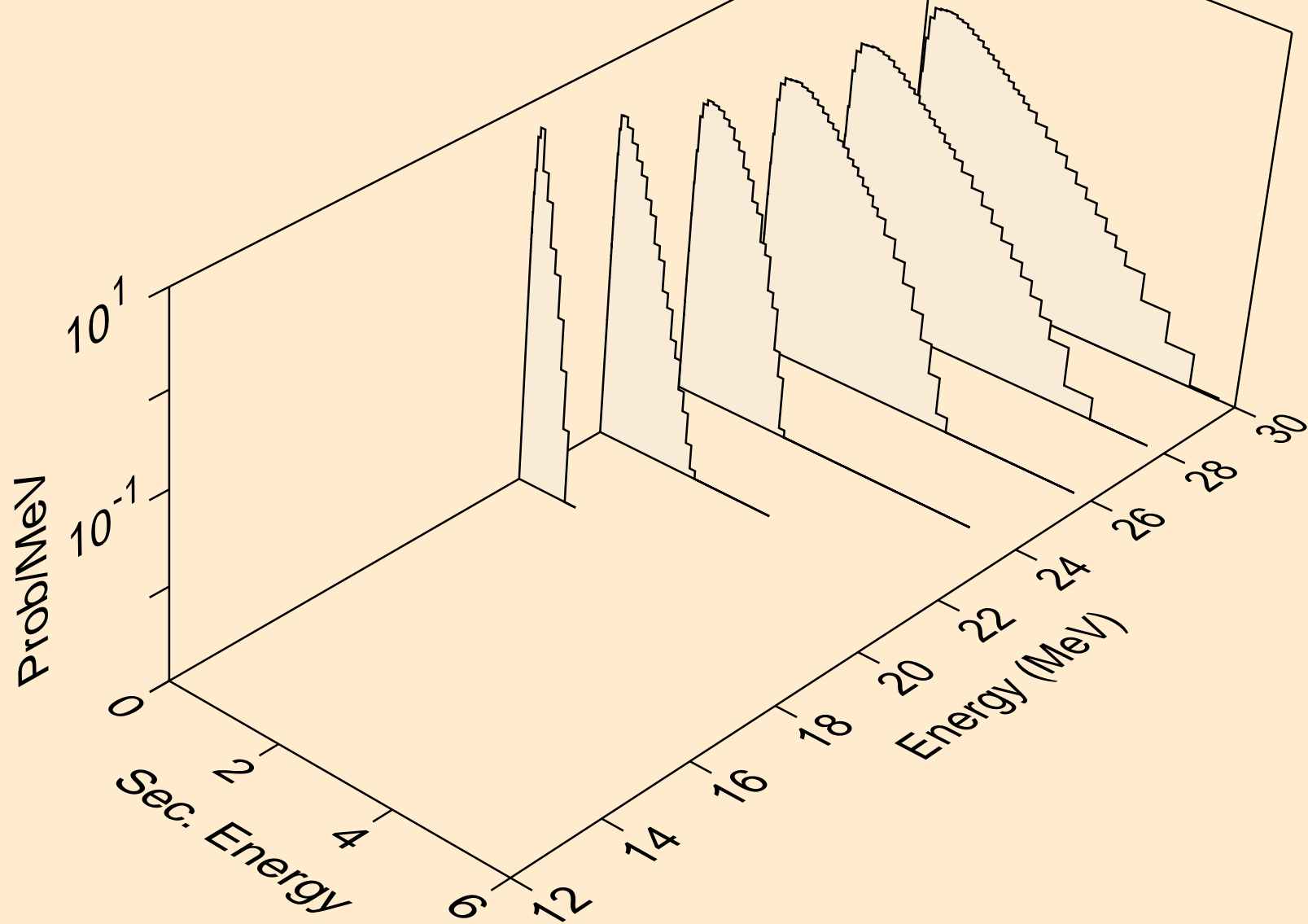
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Neutron emission for (n,n\*)a



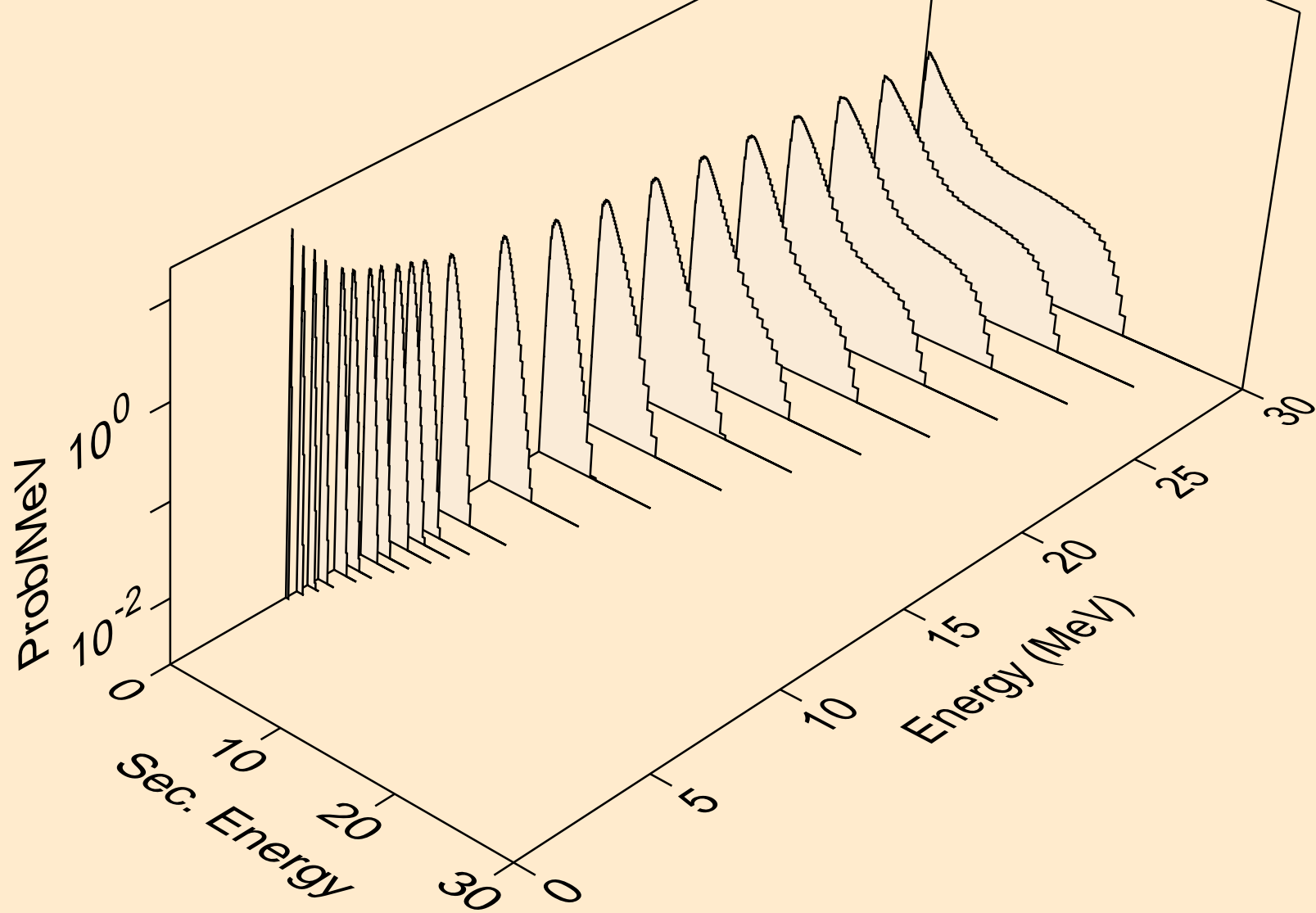
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Neutron emission for (n,2n)a



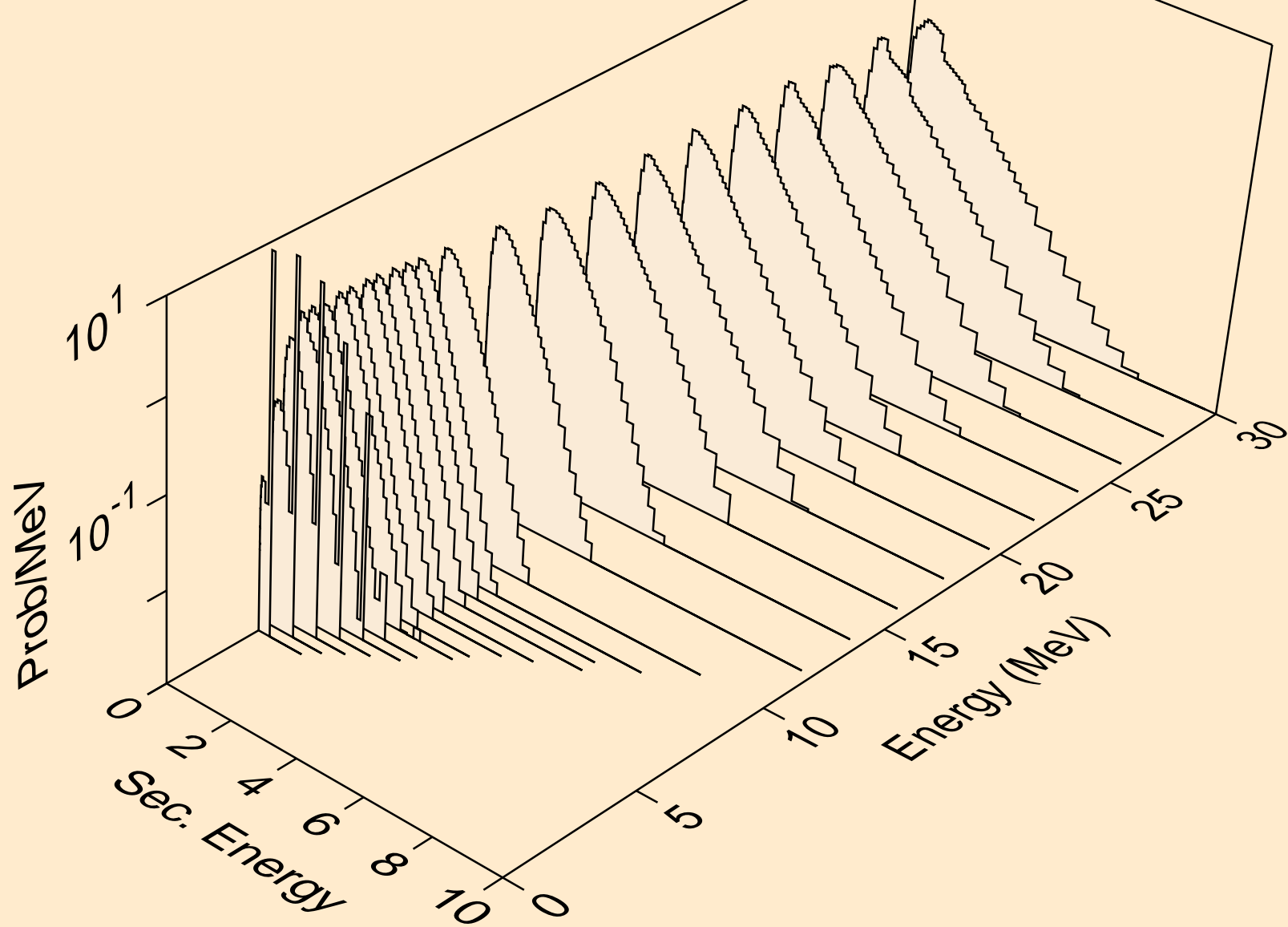
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Neutron emission for (n,3n)a



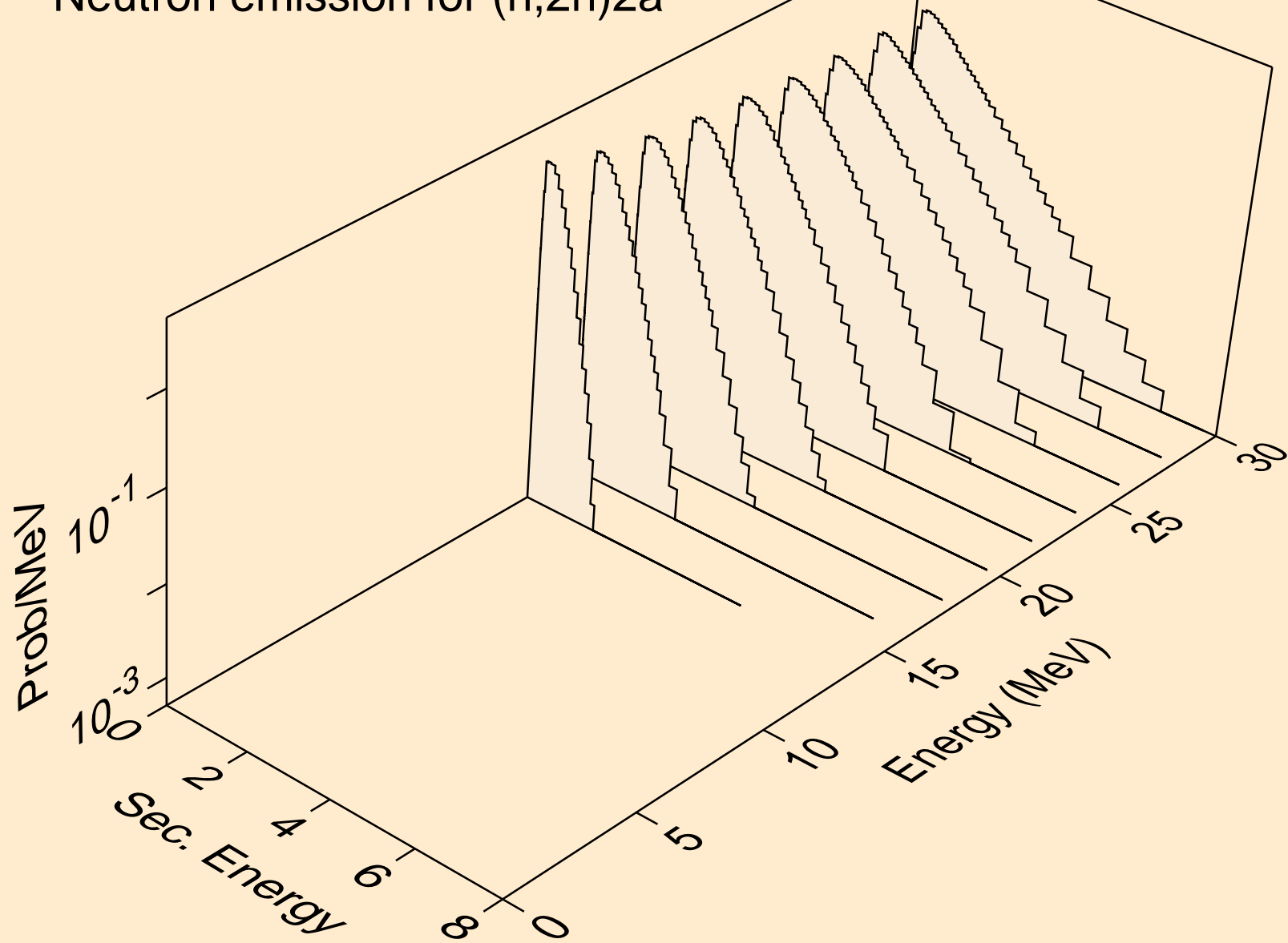
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Neutron emission for (n,n\*)p



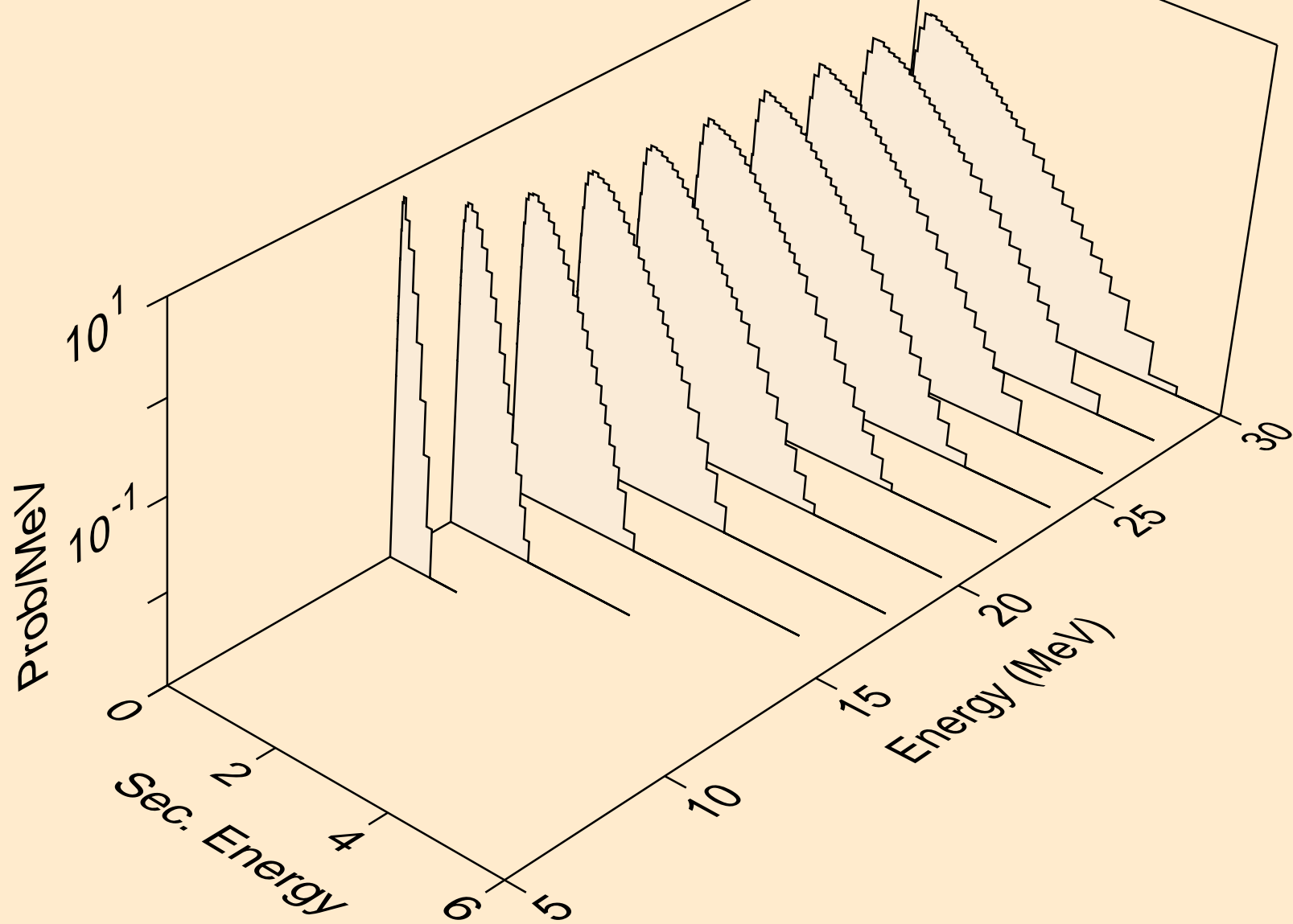
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Neutron emission for (n,n\*)2a



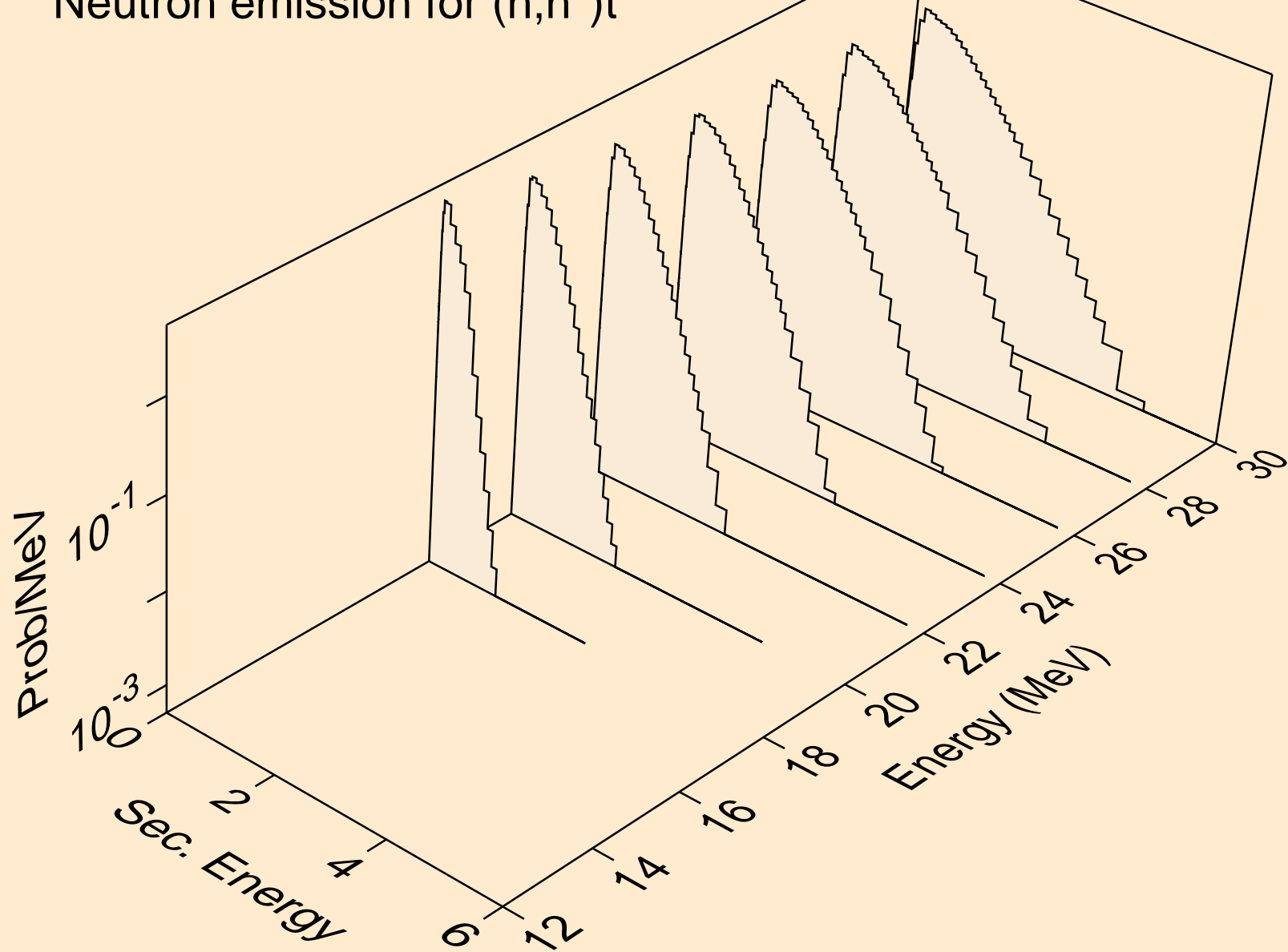
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Neutron emission for (n,2n)2a



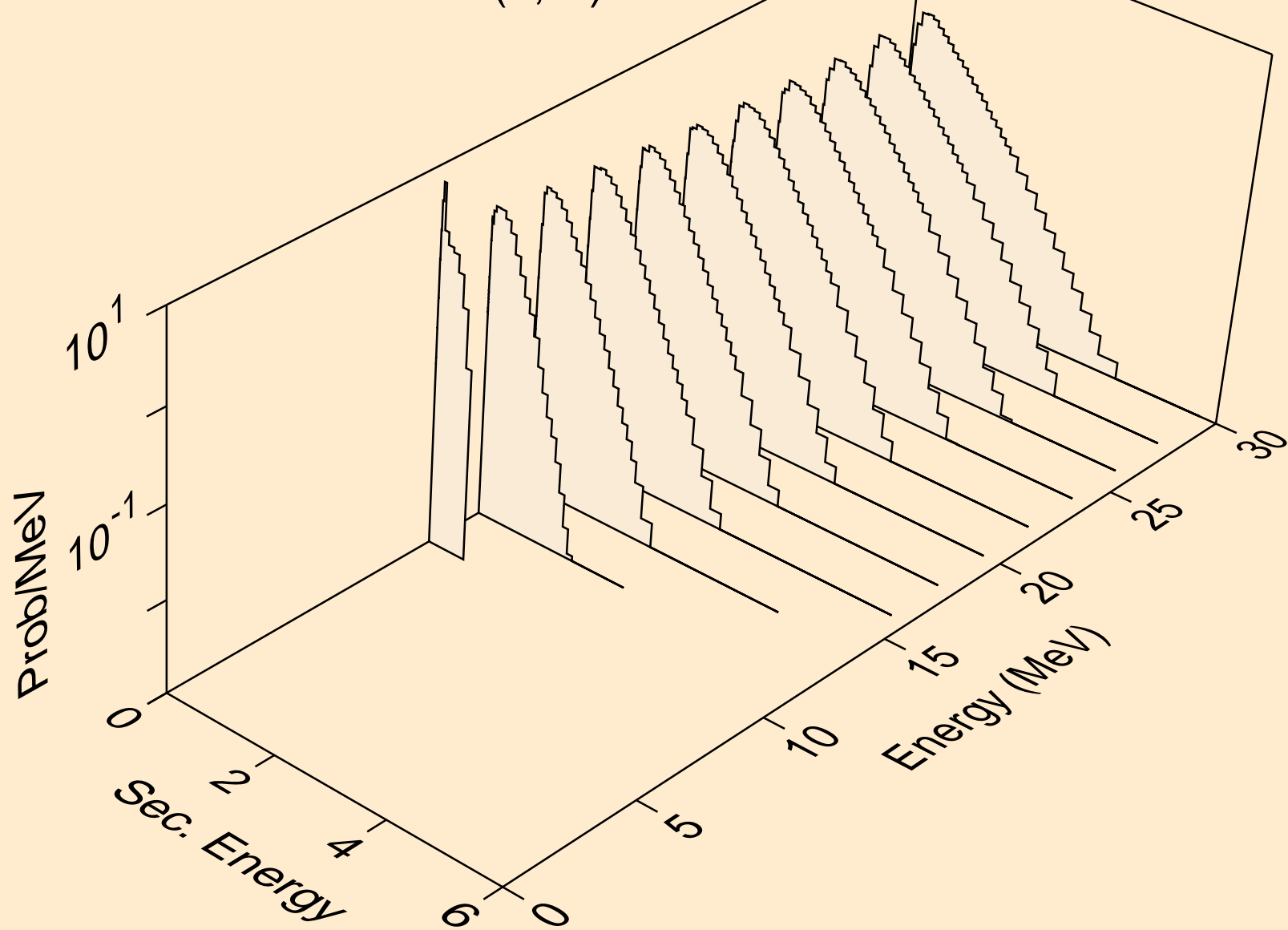
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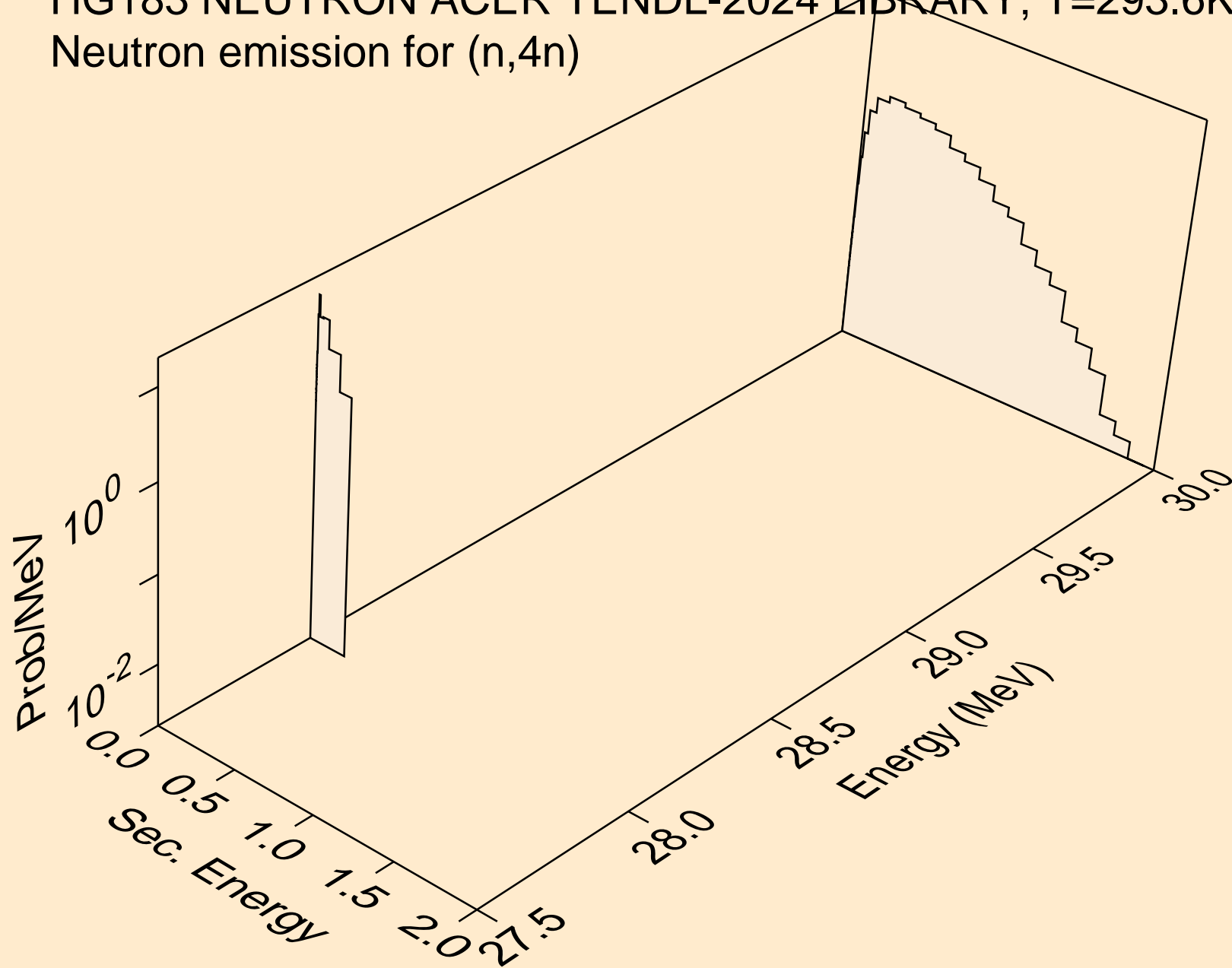
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Neutron emission for (n,n\*)t



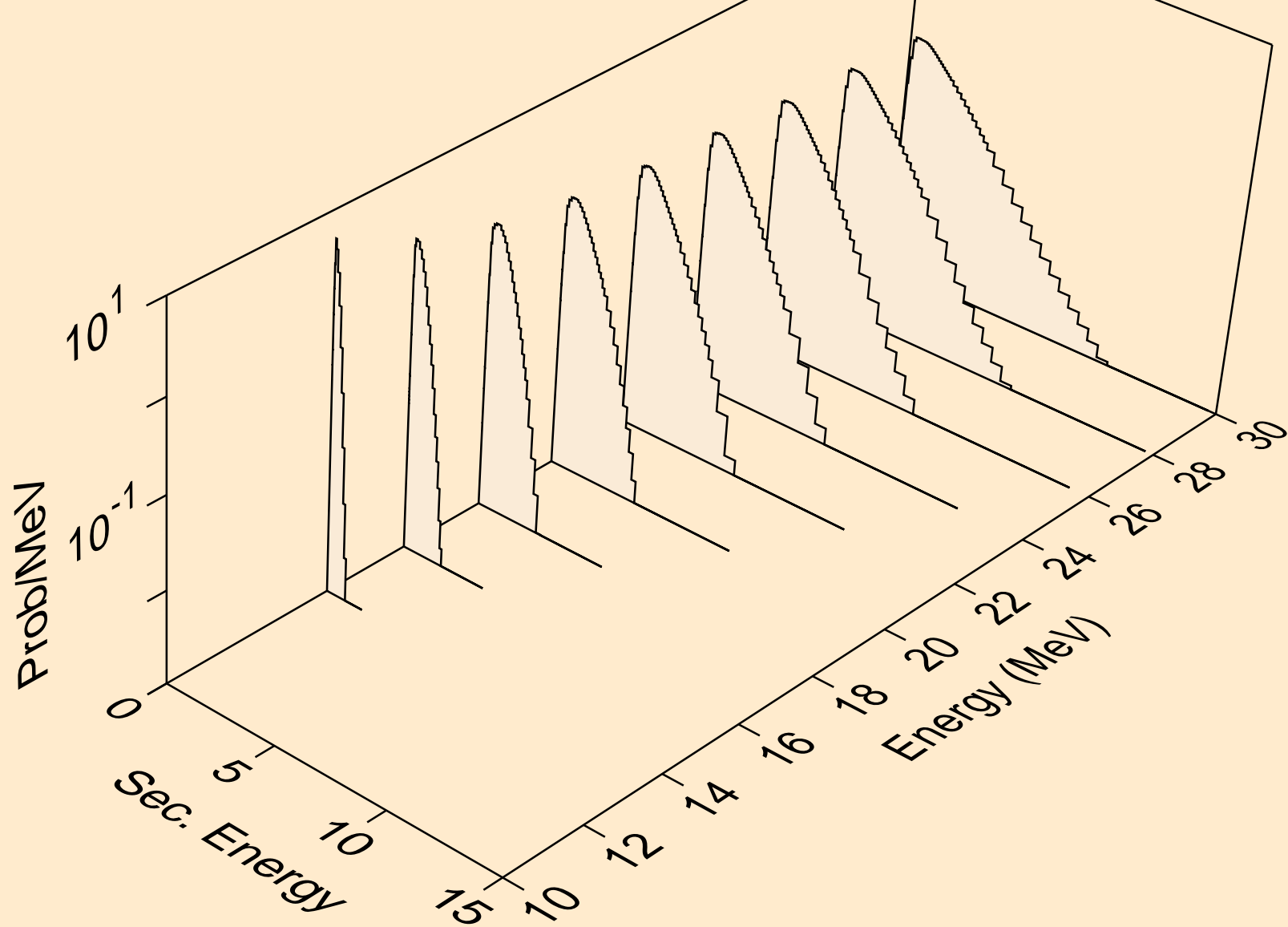
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Neutron emission for (n,n\*)he3



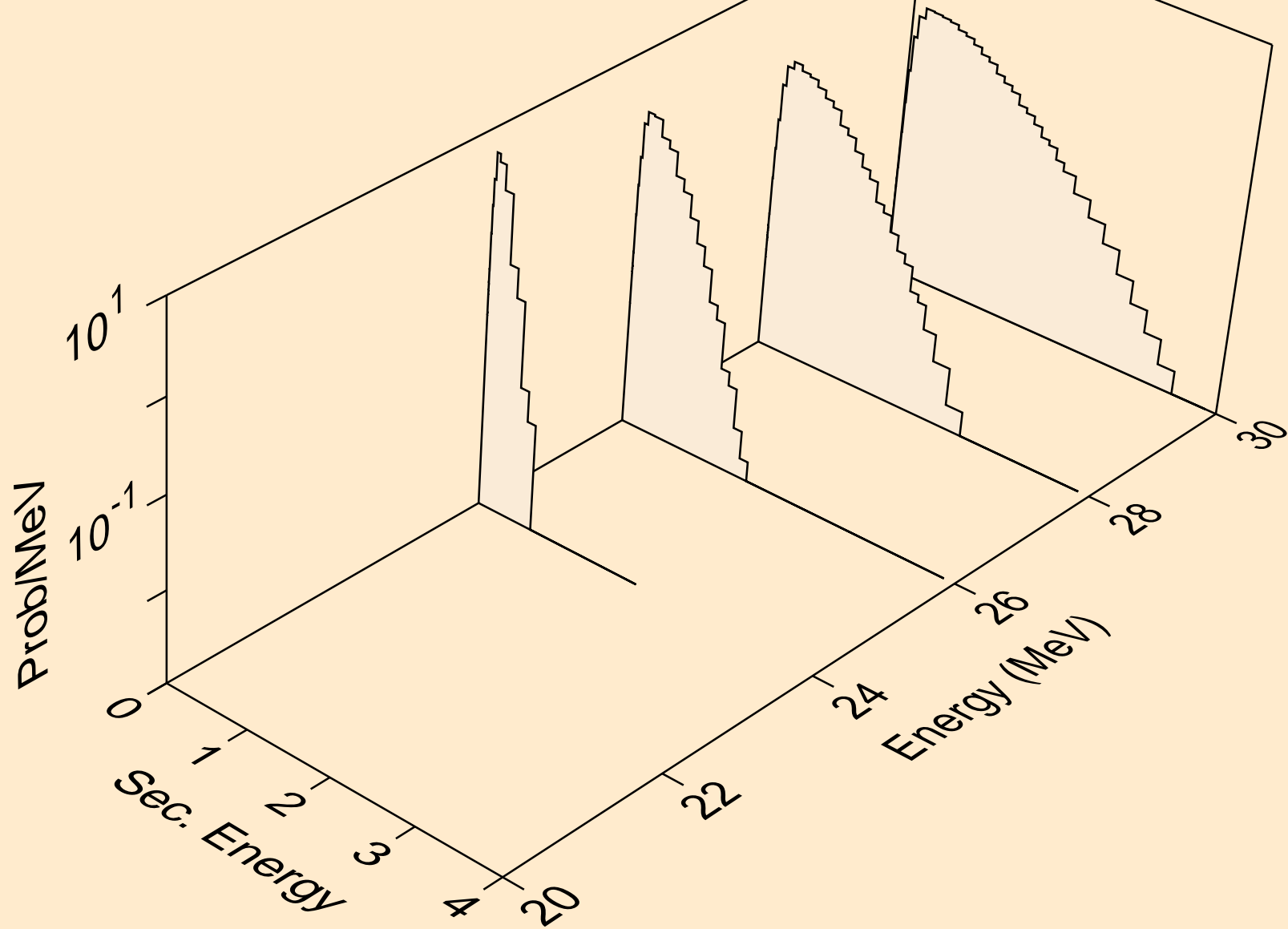
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Neutron emission for (n,4n)



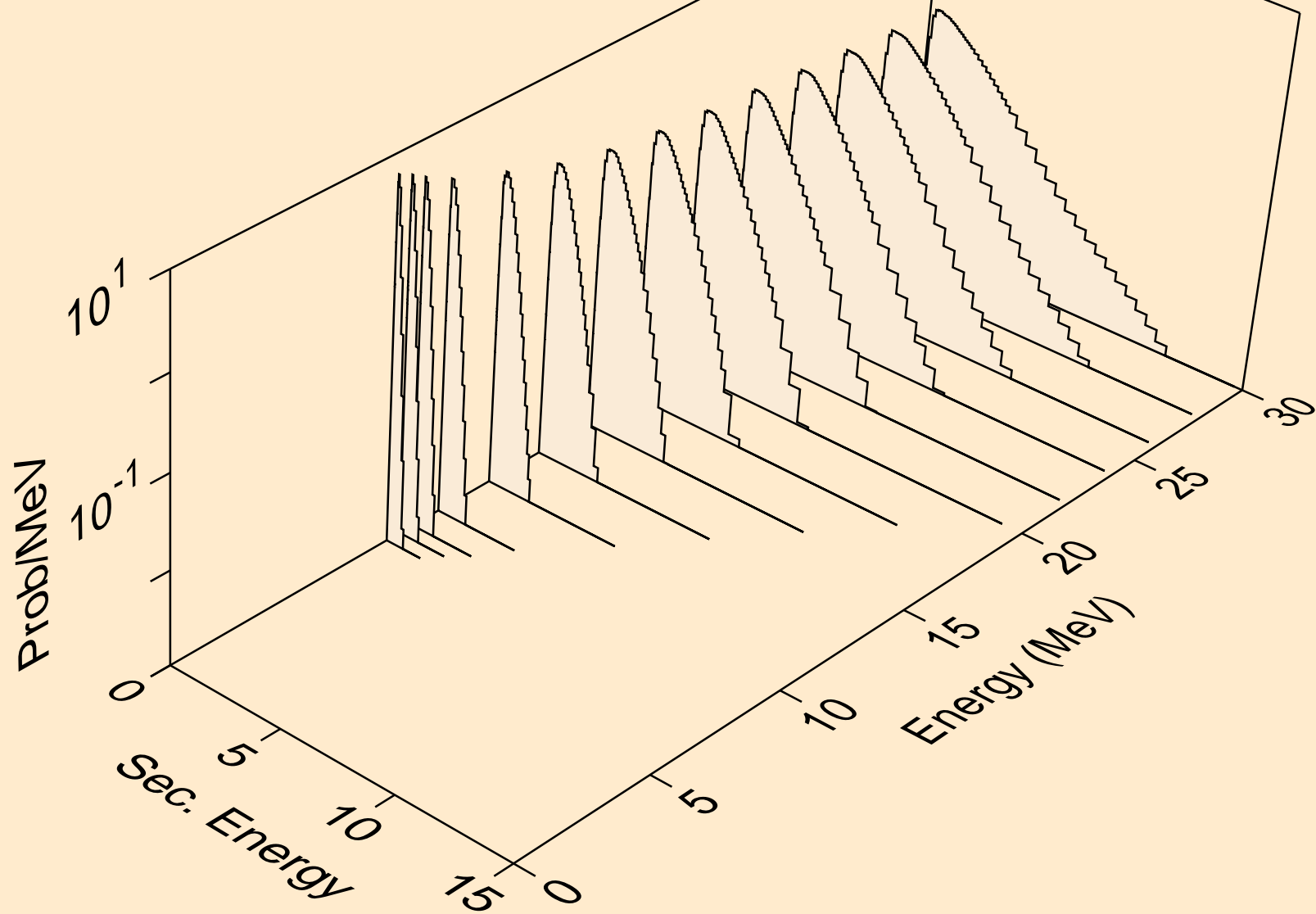
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Neutron emission for (n,2np)



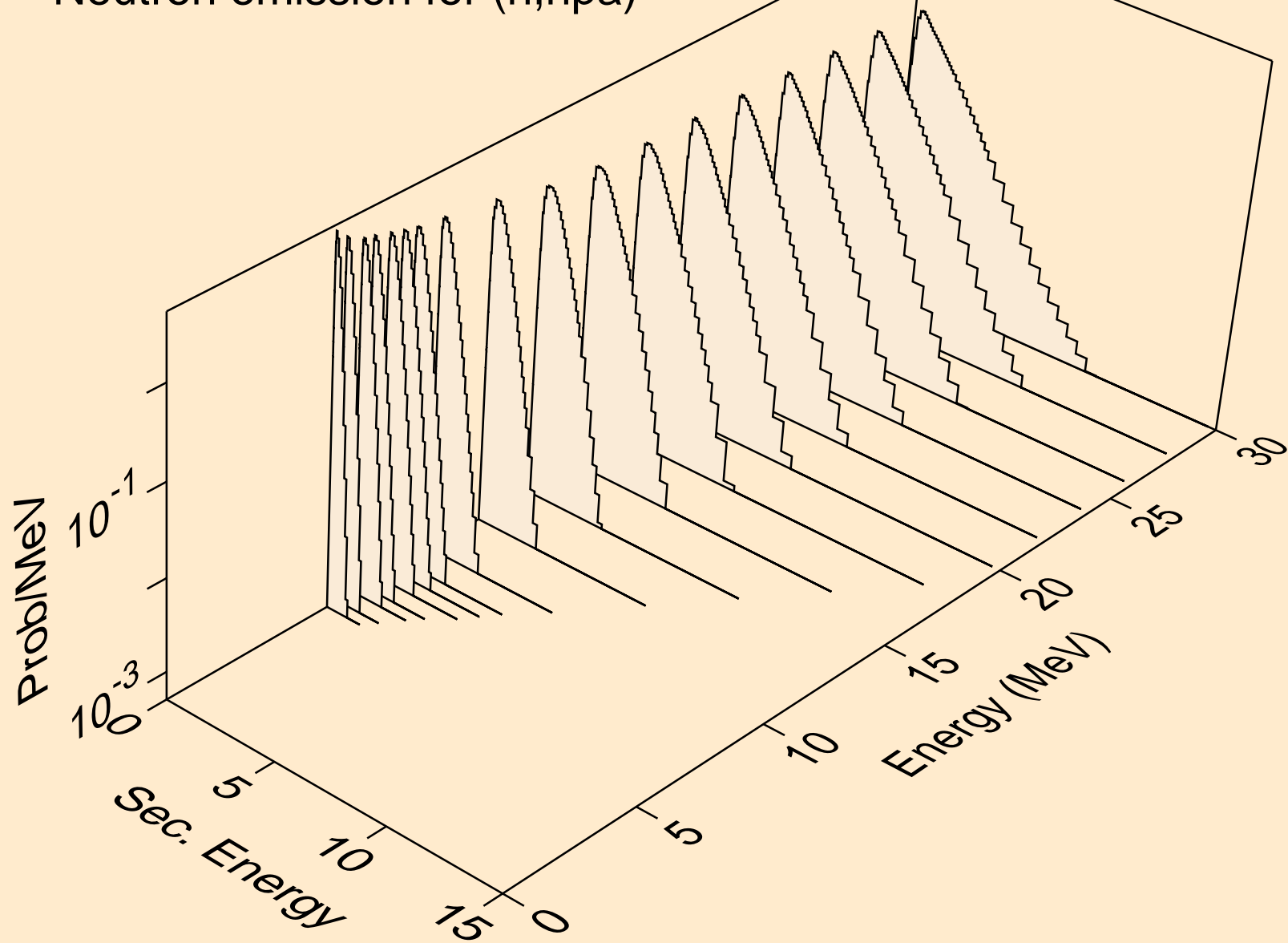
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Neutron emission for (n,3np)



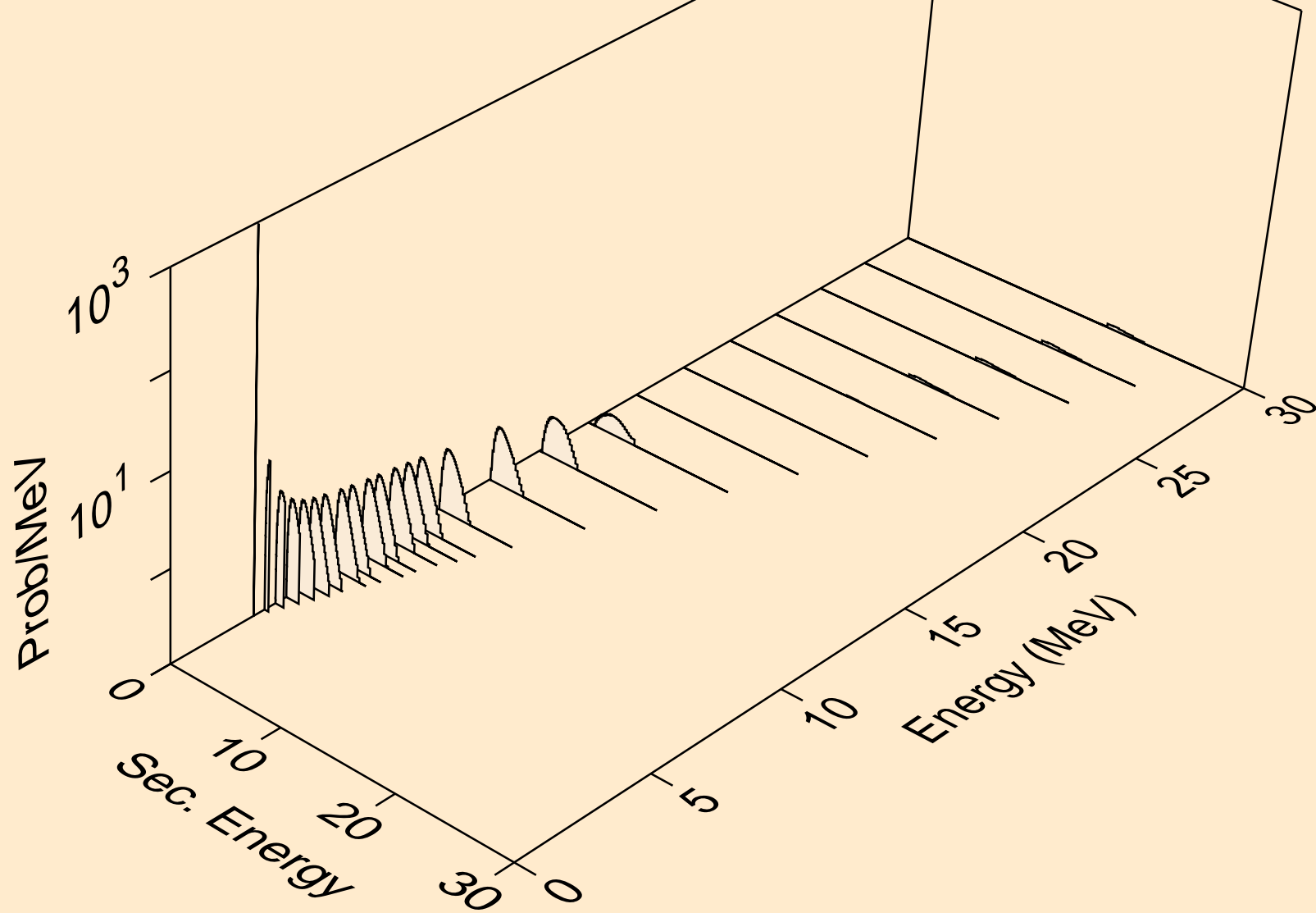
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Neutron emission for (n,n2p)



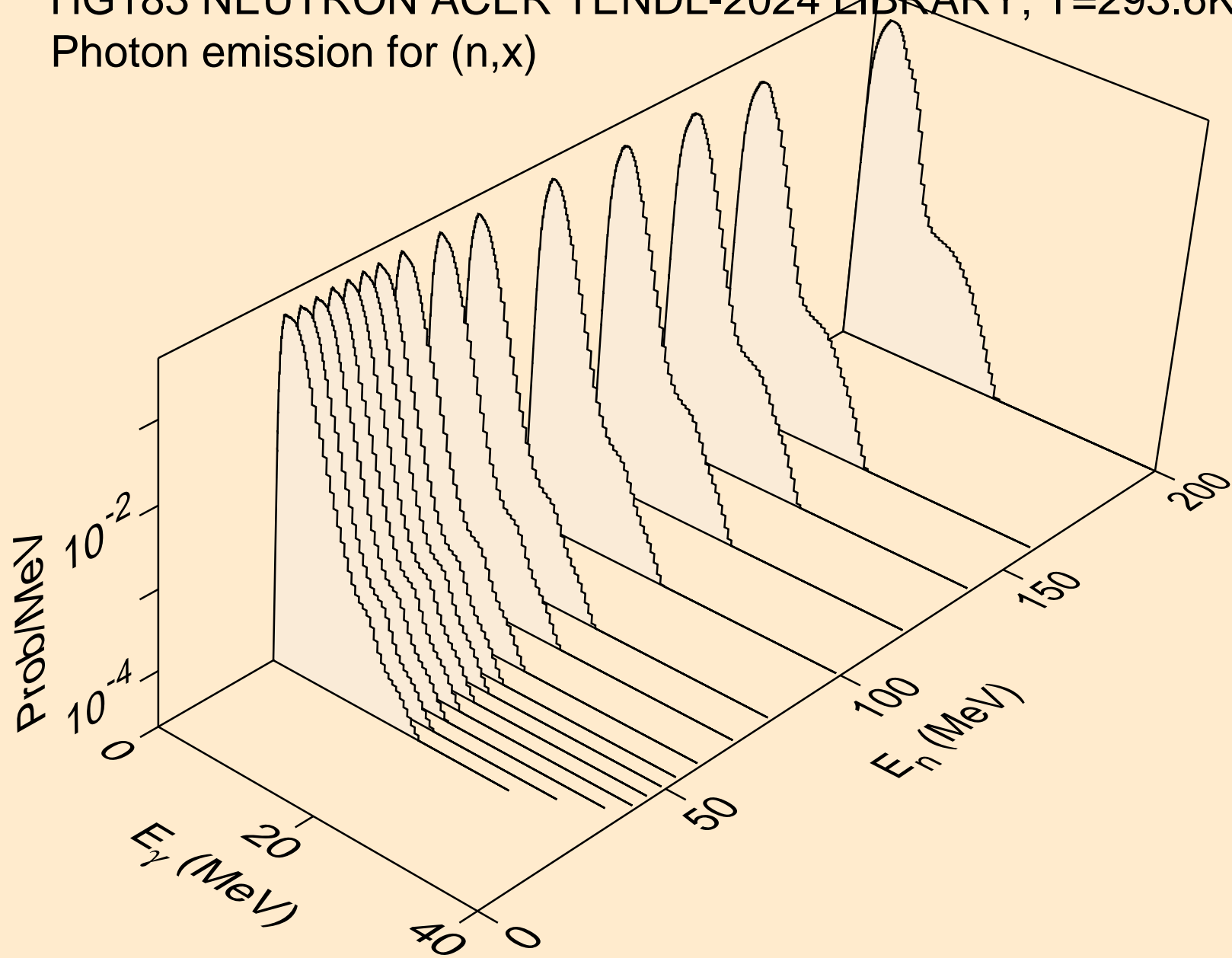
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Neutron emission for (n,npa)



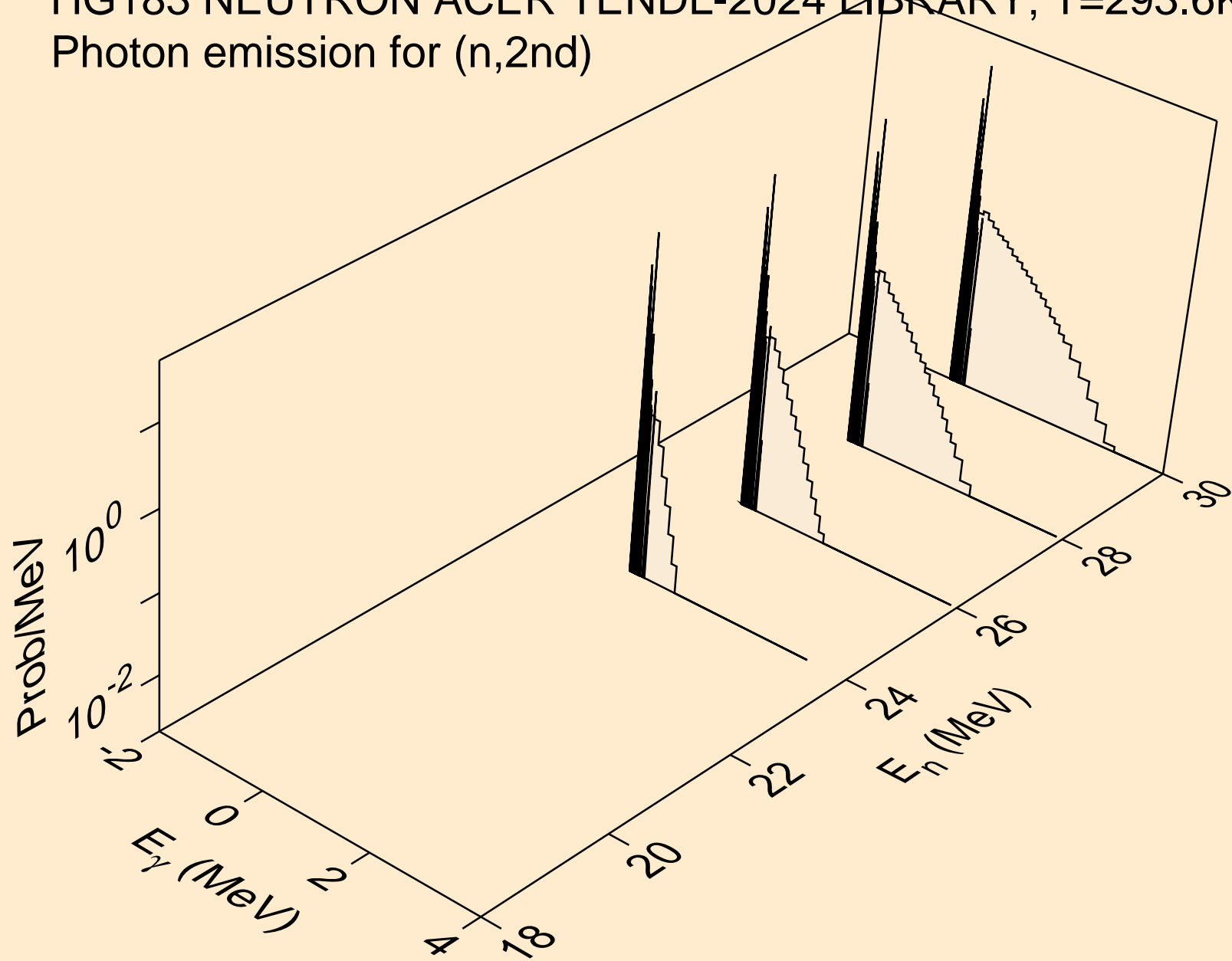
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Neutron emission for (n,n\*c)



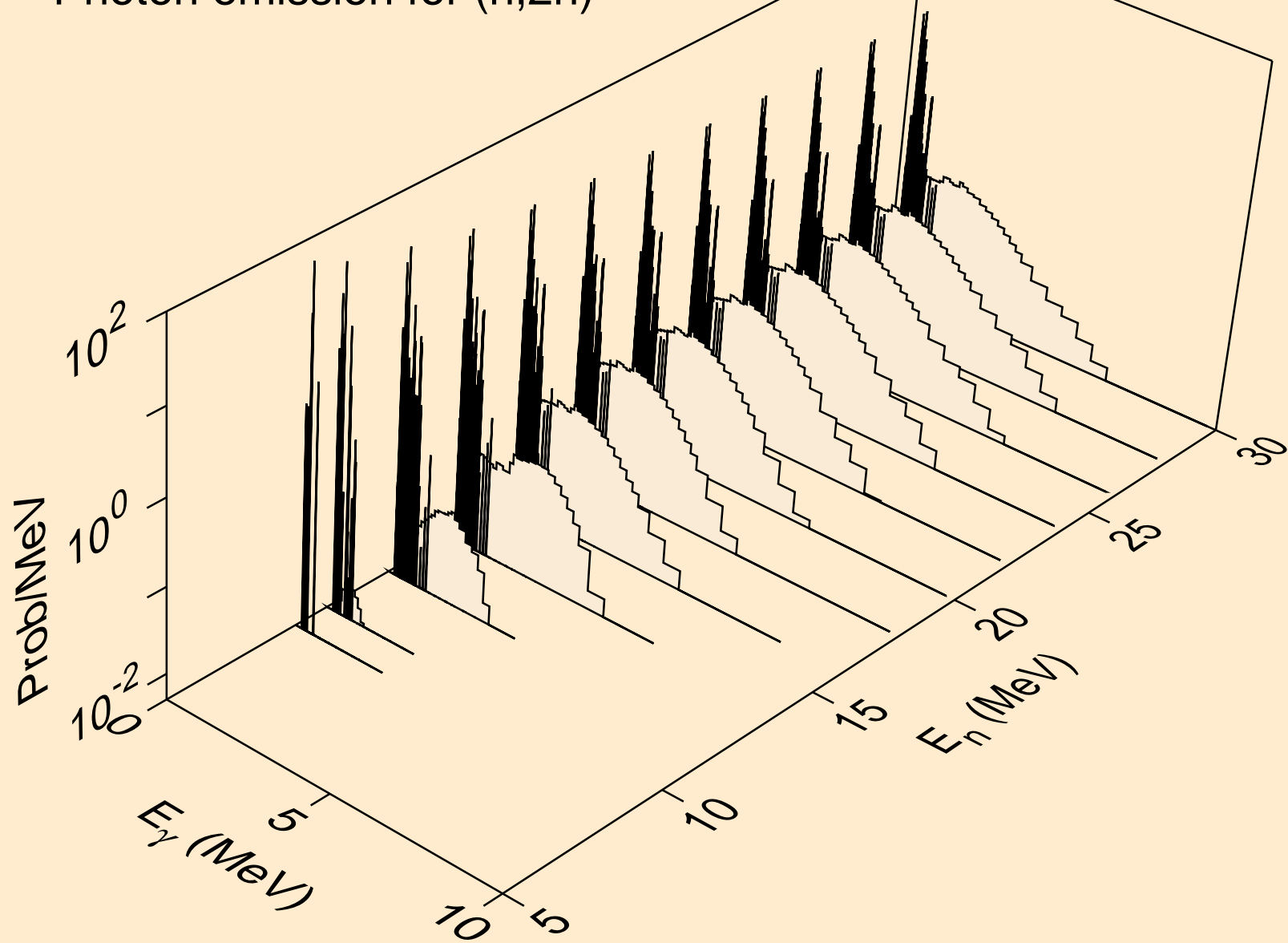
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Photon emission for (n,x)



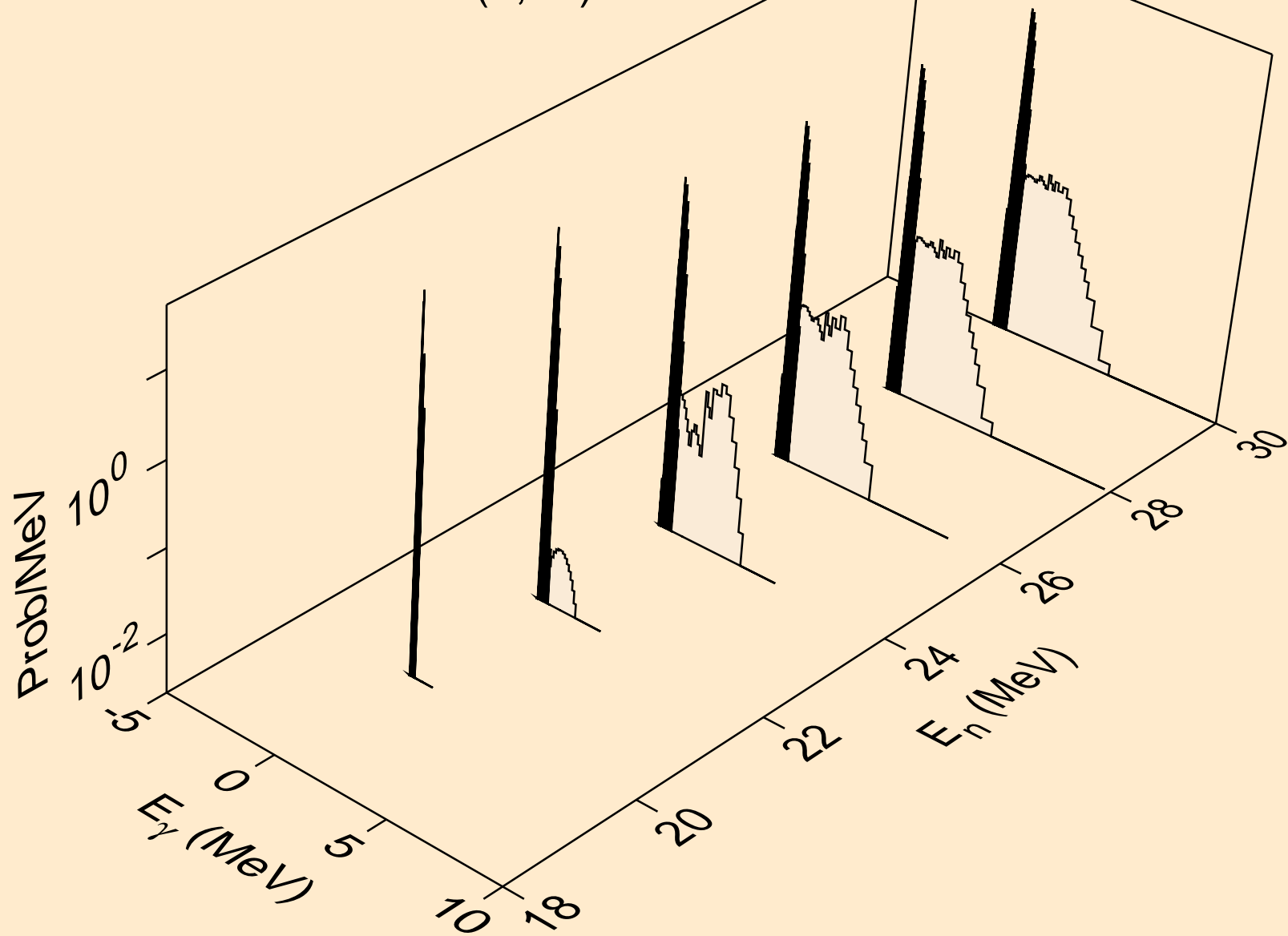
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Photon emission for (n,2nd)



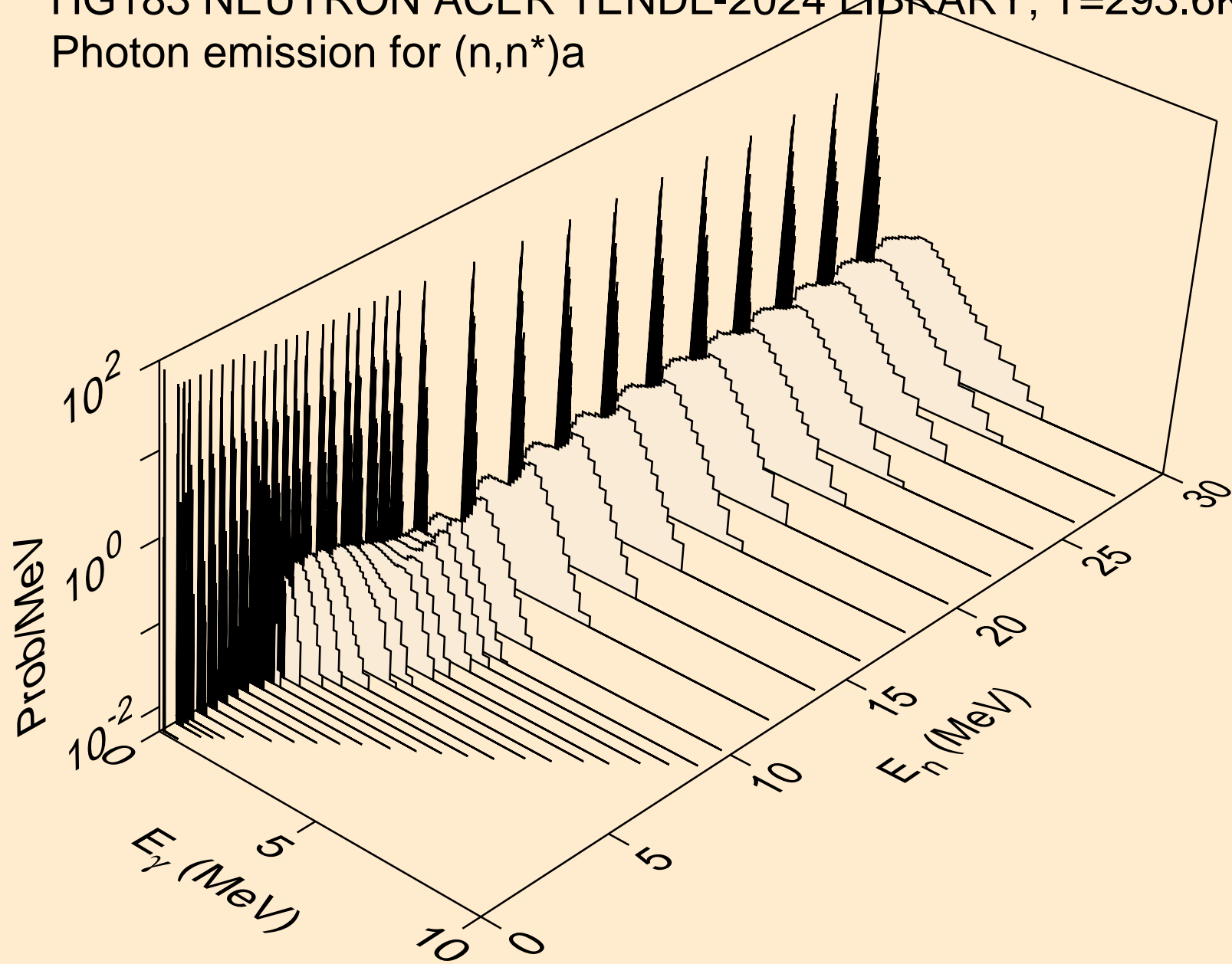
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Photon emission for (n,2n)



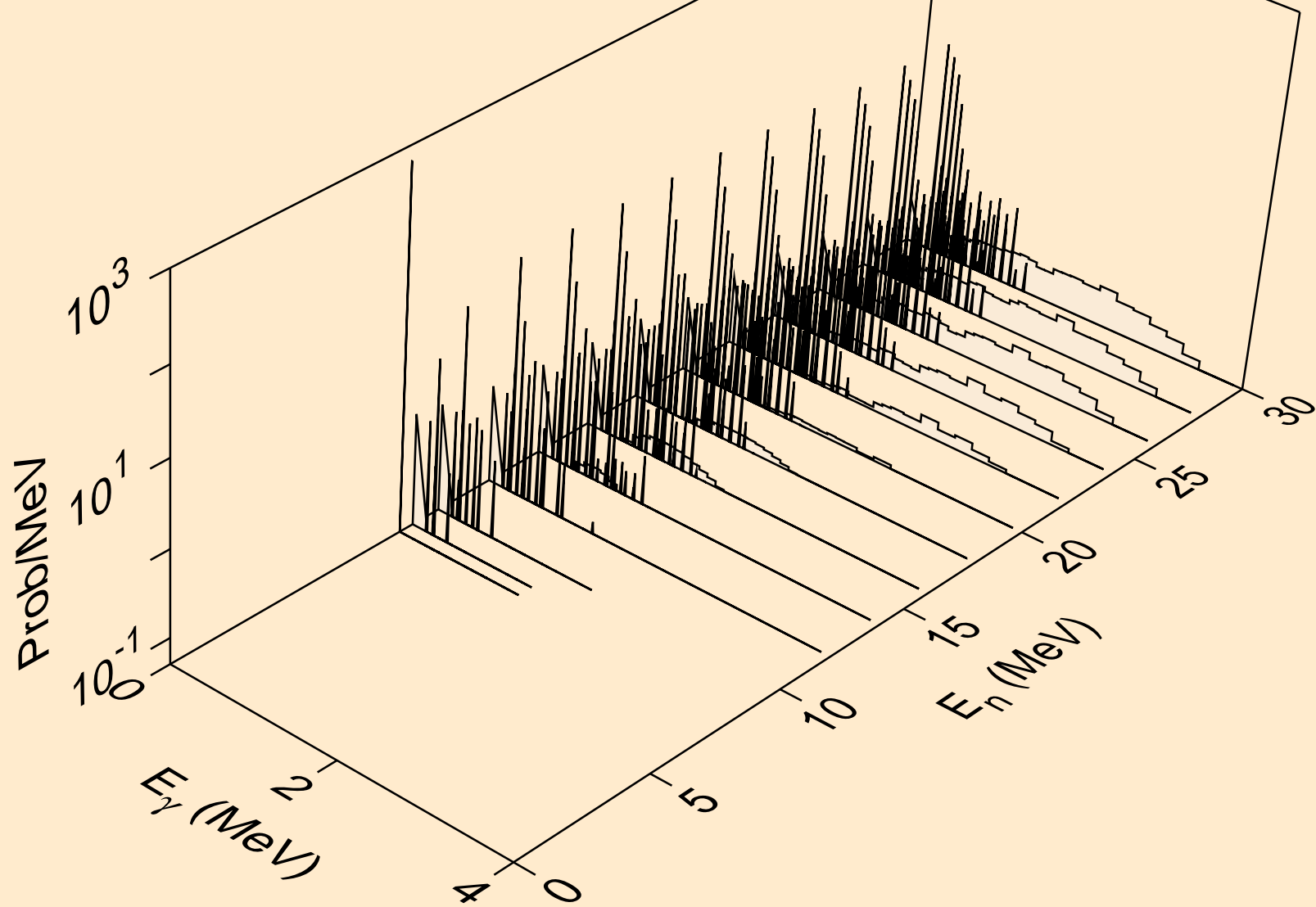
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Photon emission for (n,3n)



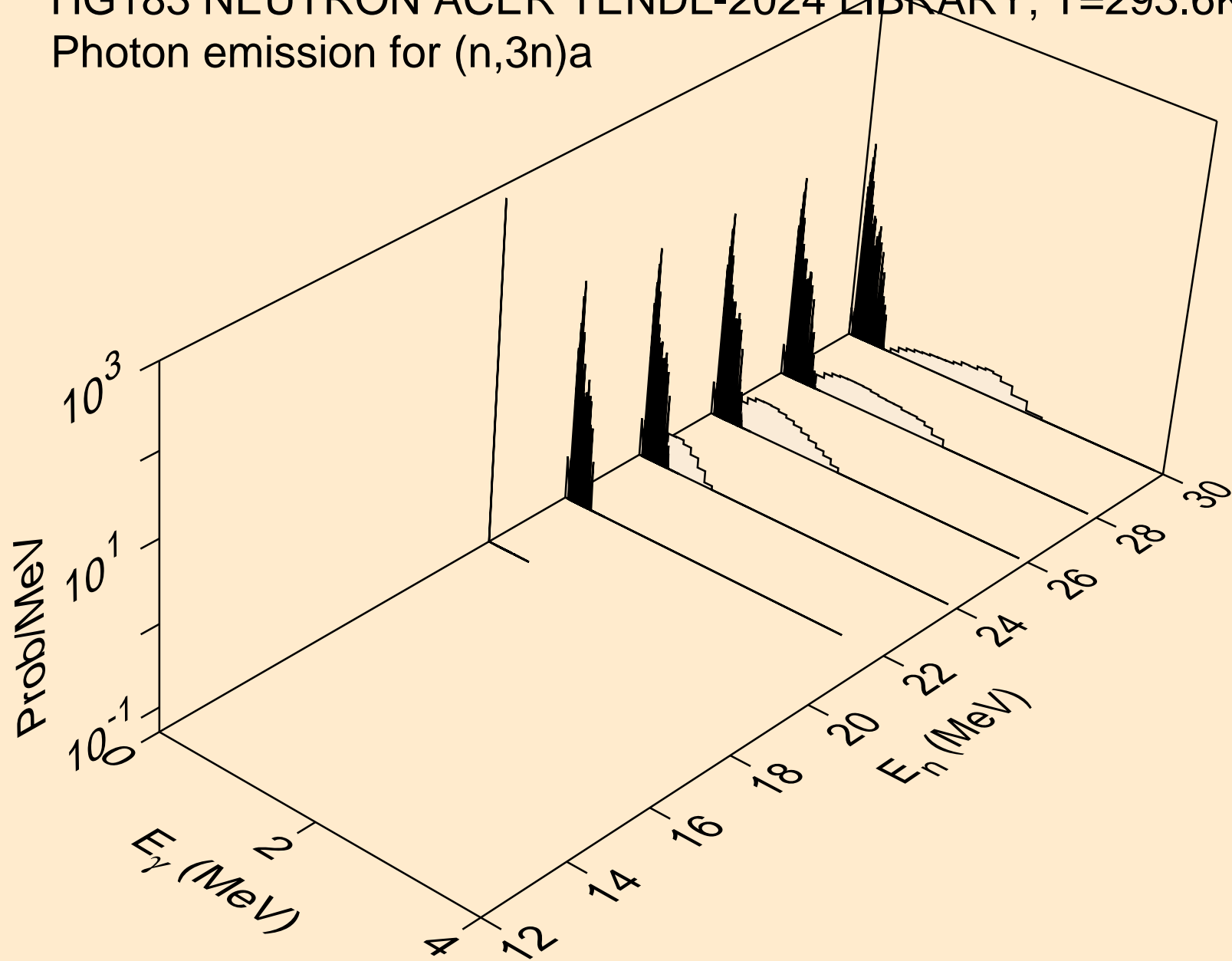
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Photon emission for (n,n\*)a



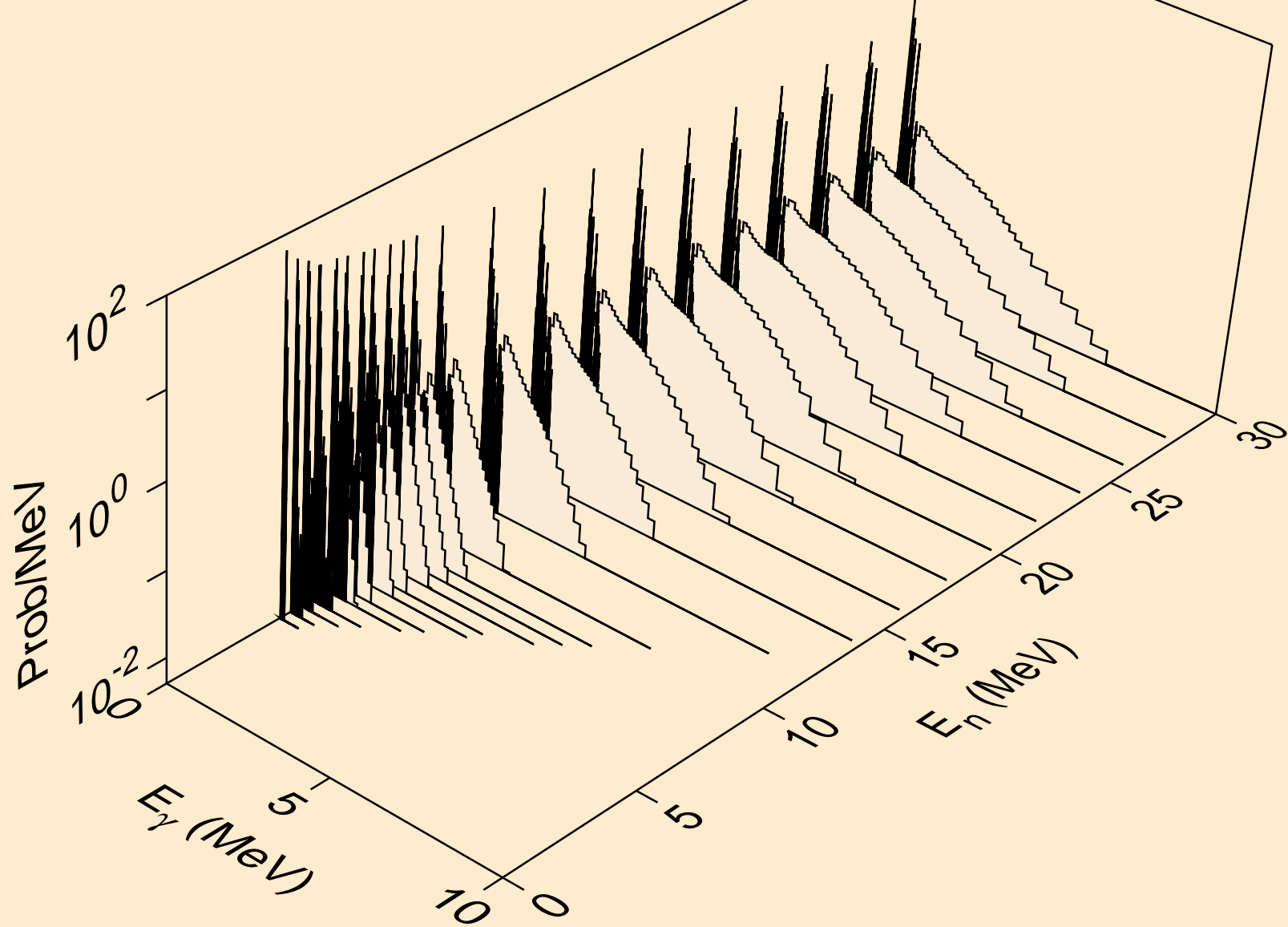
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Photon emission for (n,2n)a



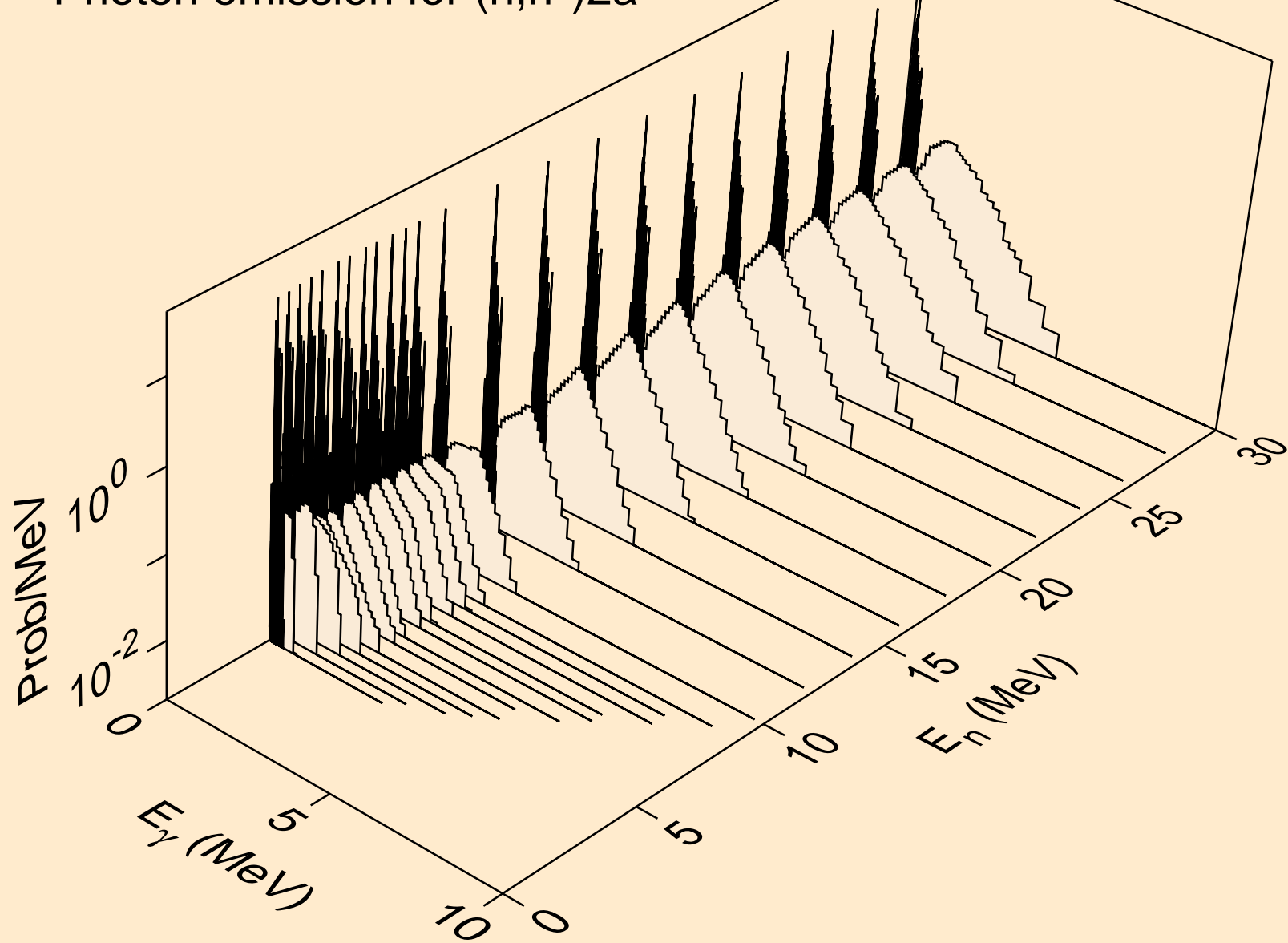
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Photon emission for (n,3n)a



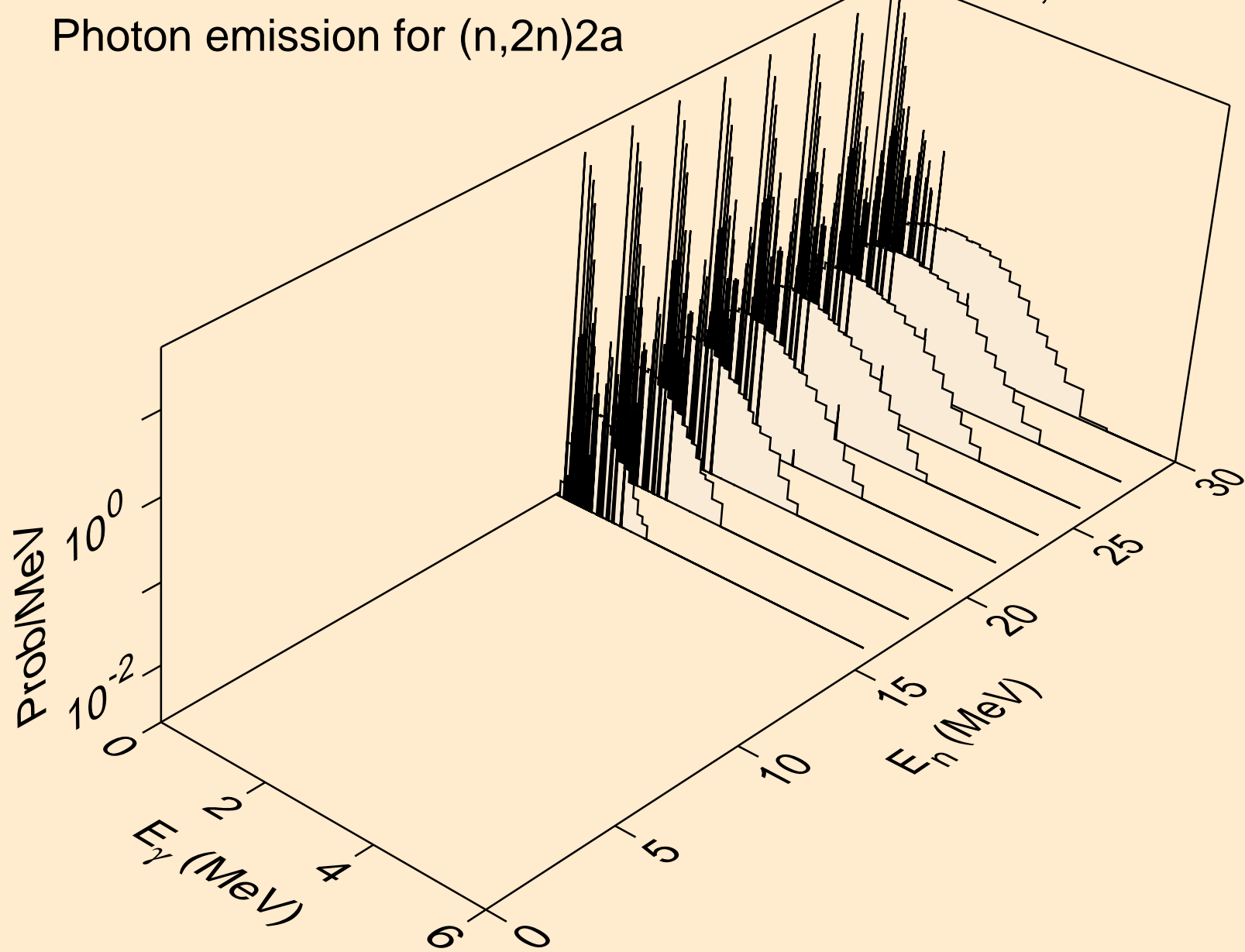
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Photon emission for (n,n\*)p



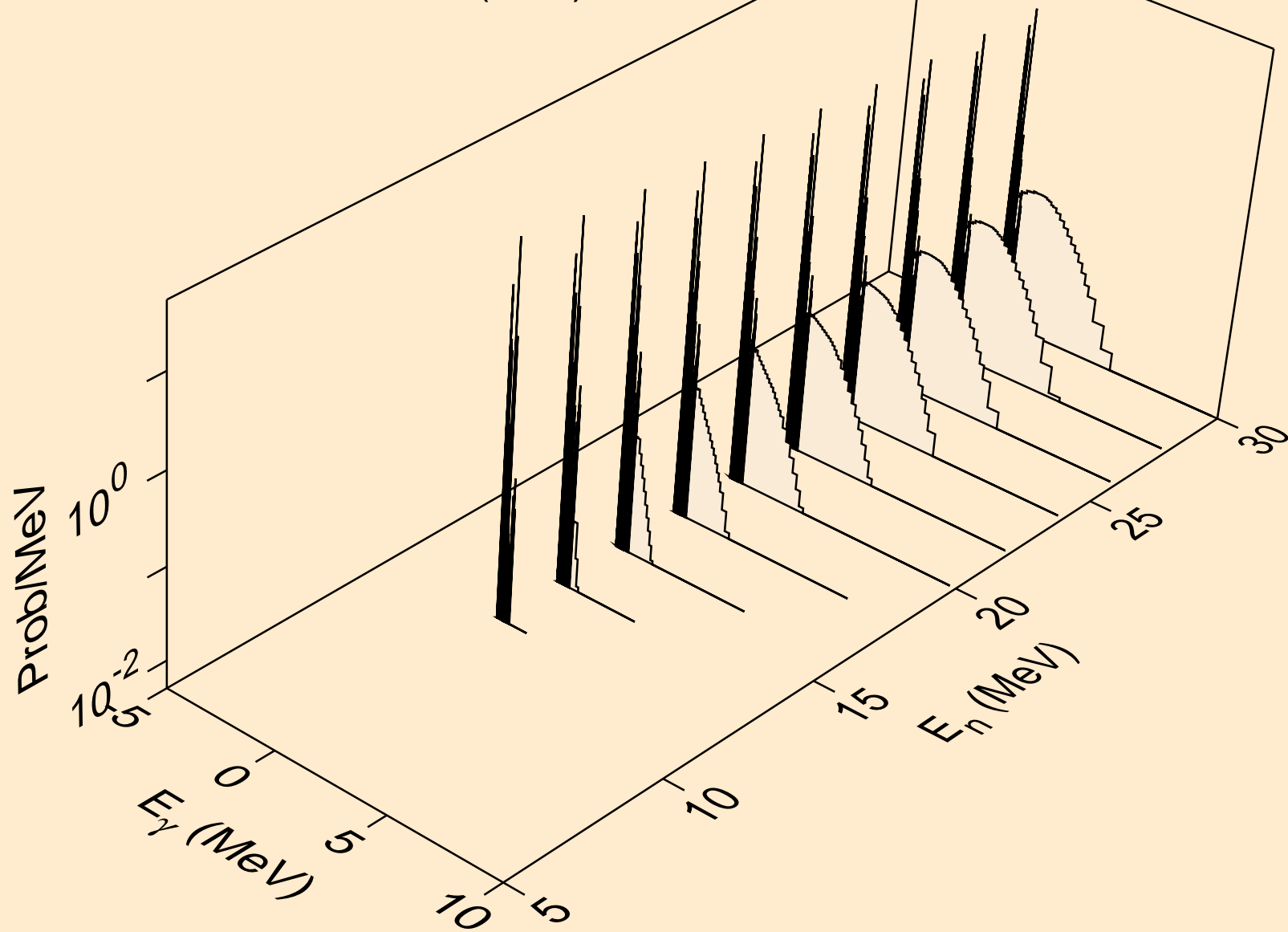
HG183 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*)2a



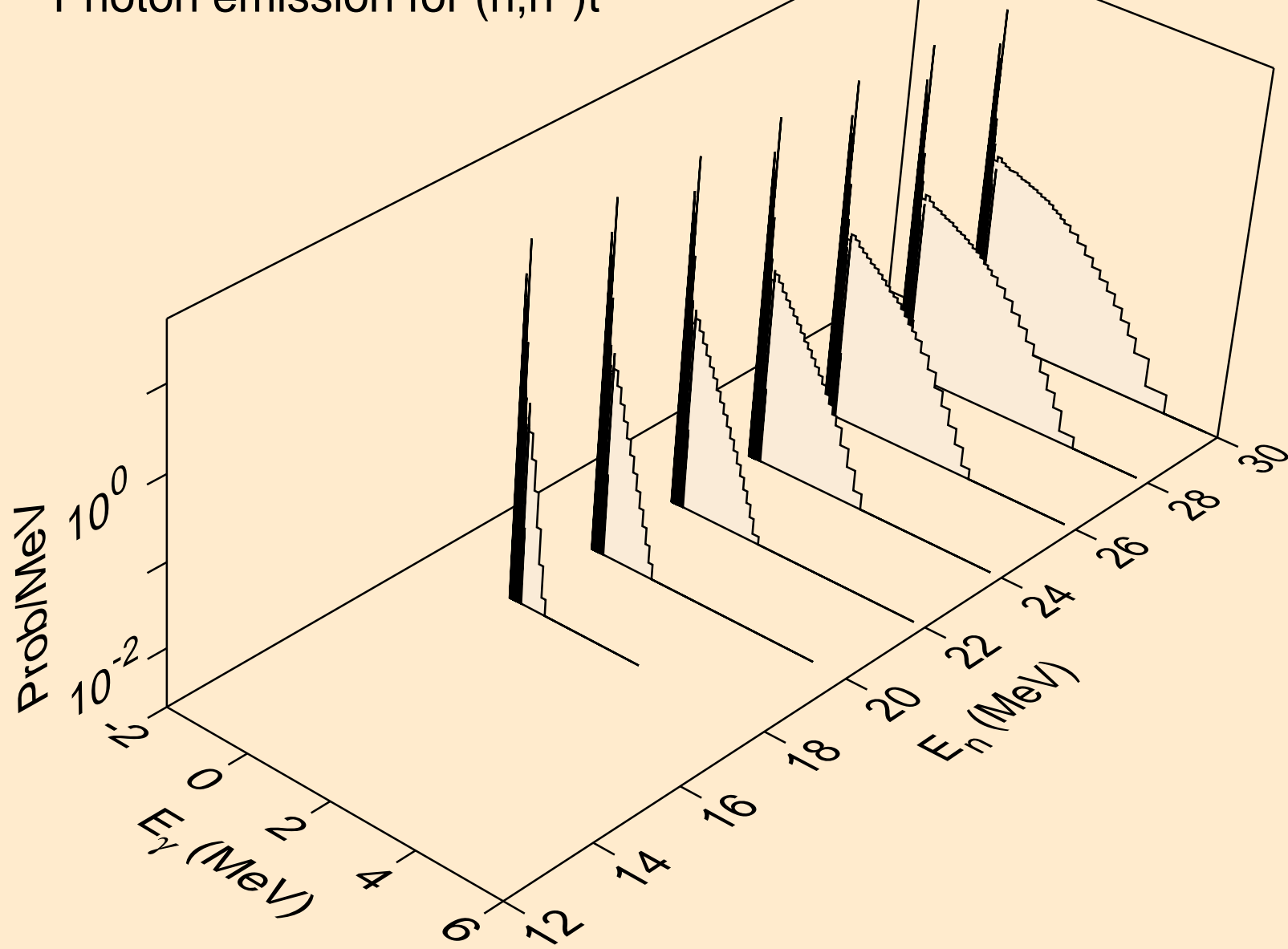
HG183 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,2n)2a



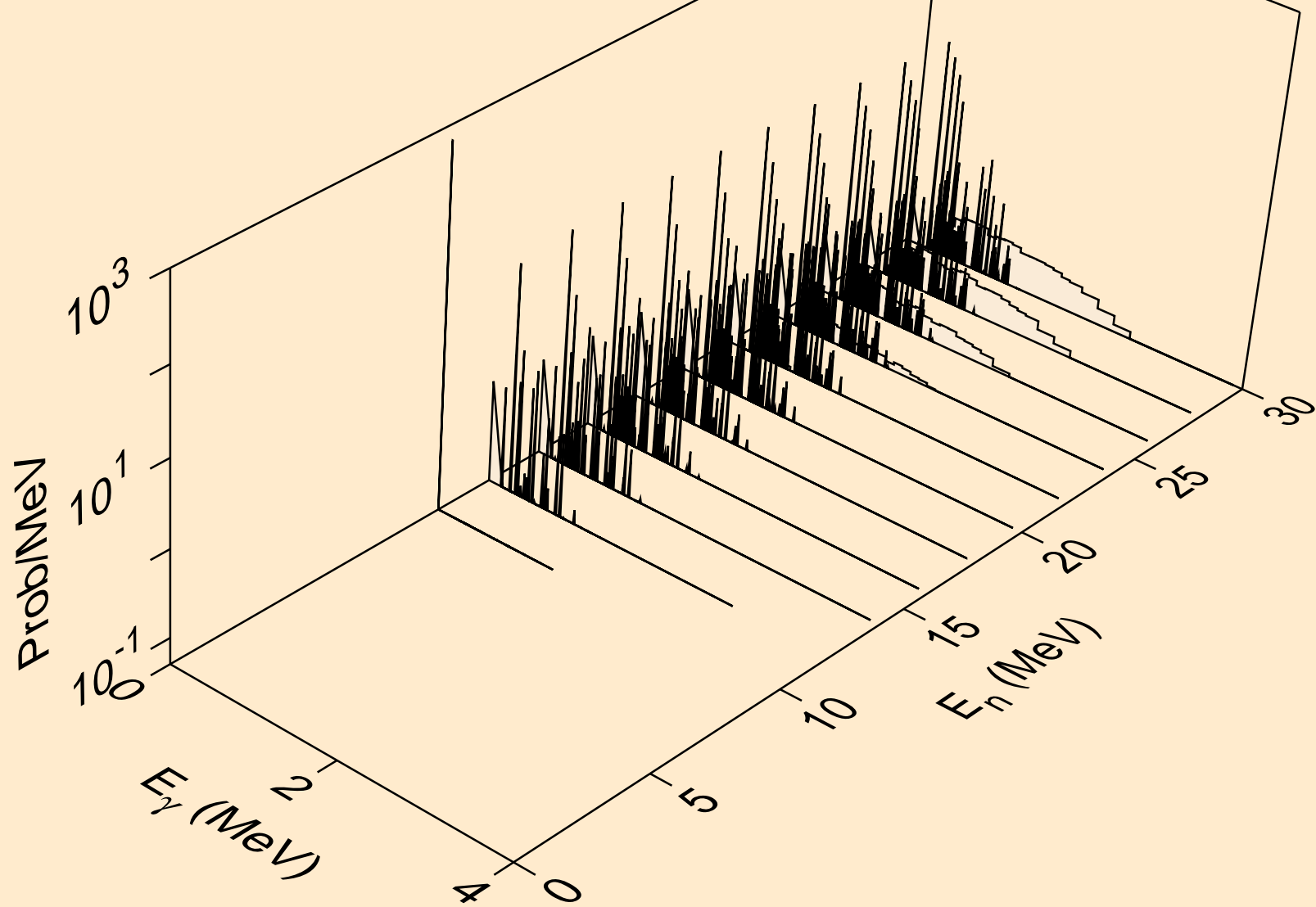
HG183 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*)d



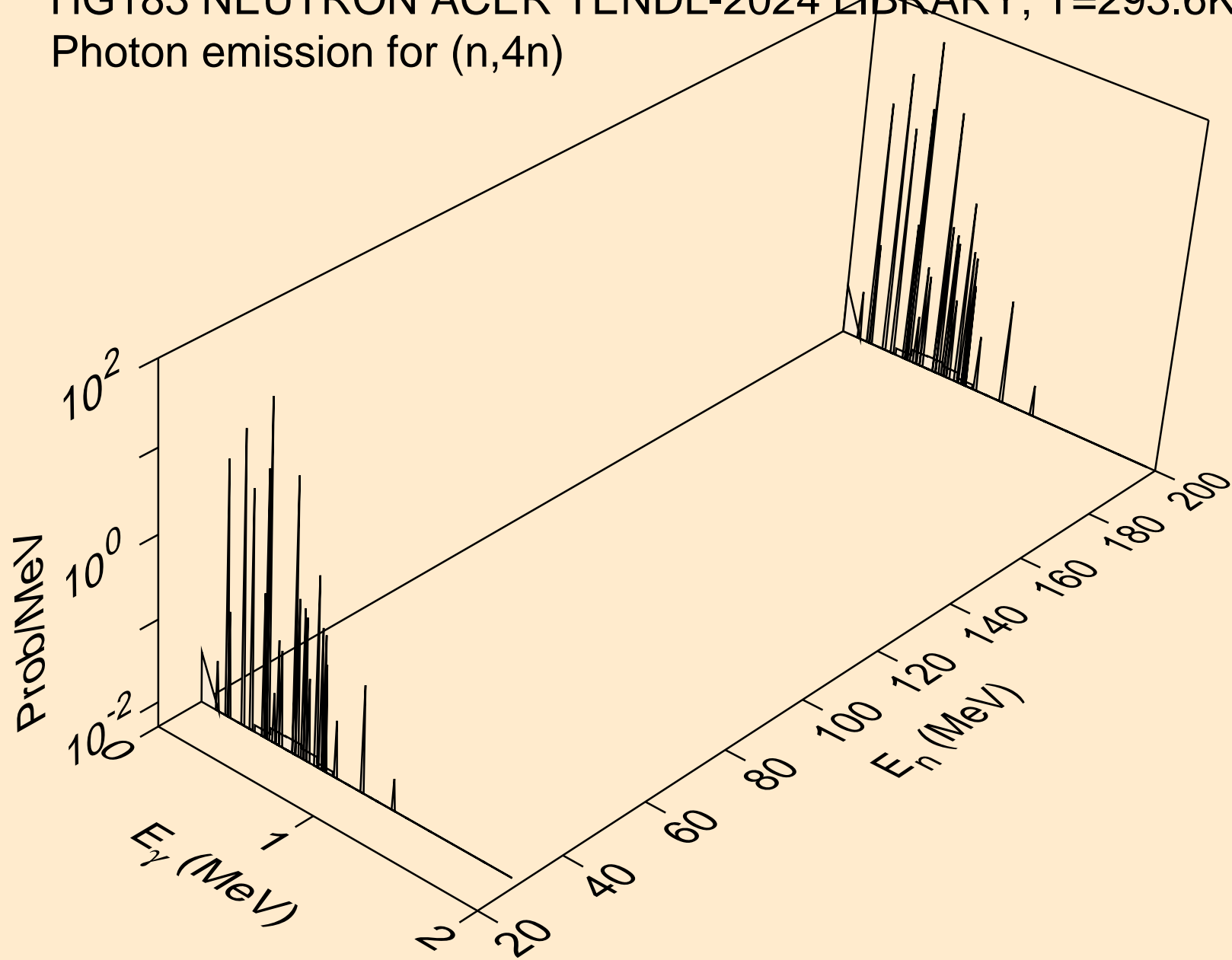
HG183 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*)t



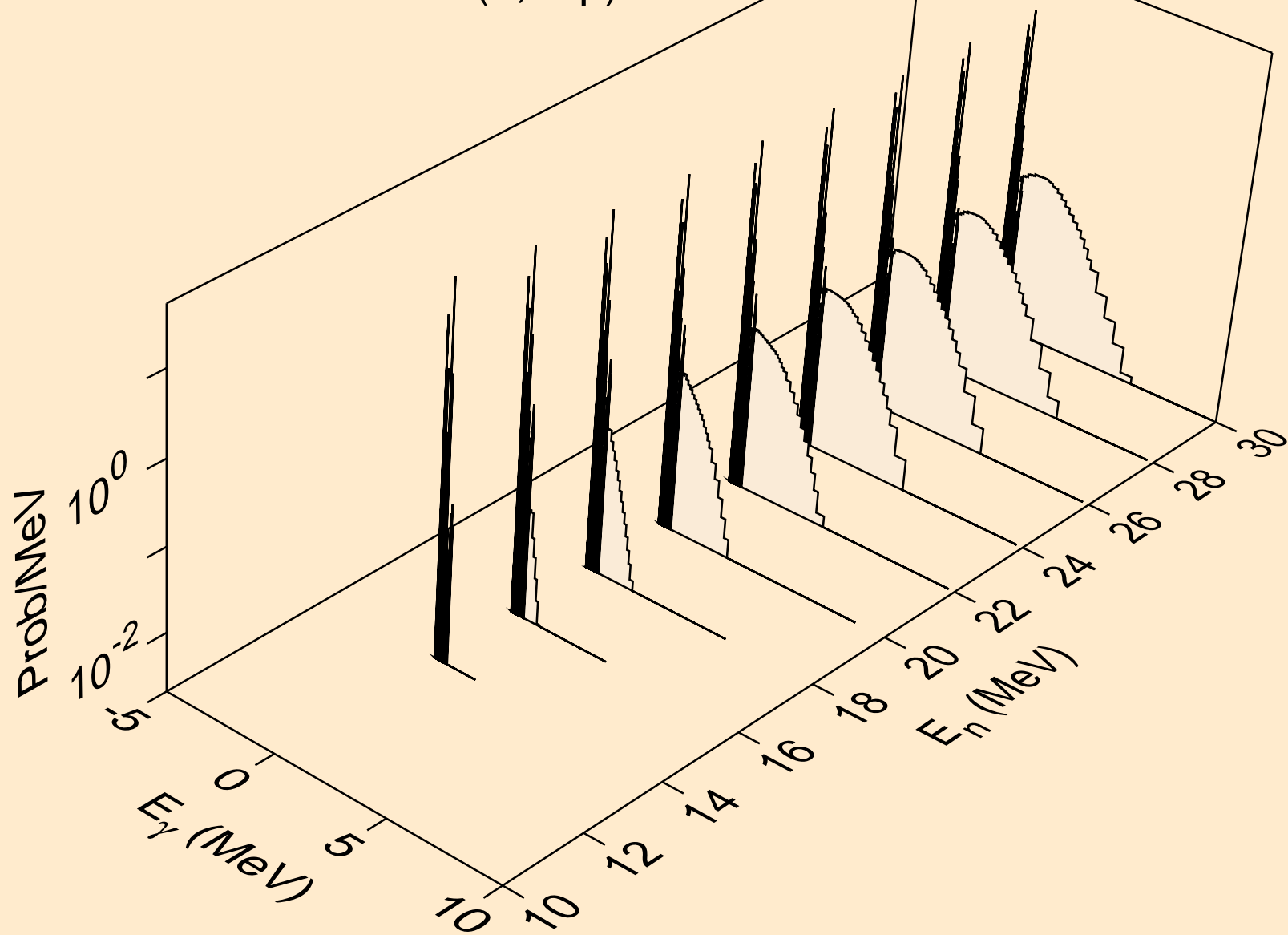
HG183 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*)he3



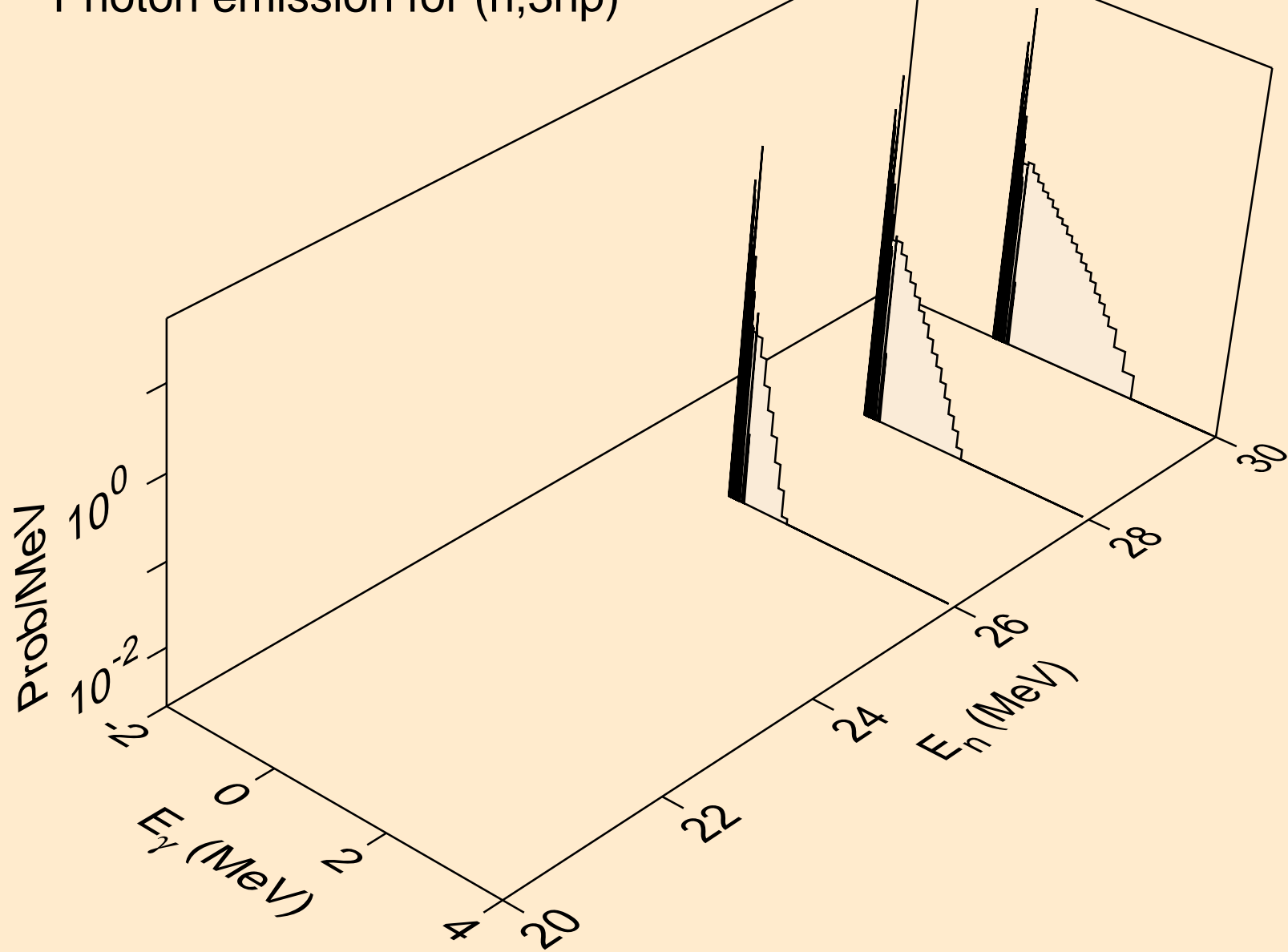
HG183 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,4n)



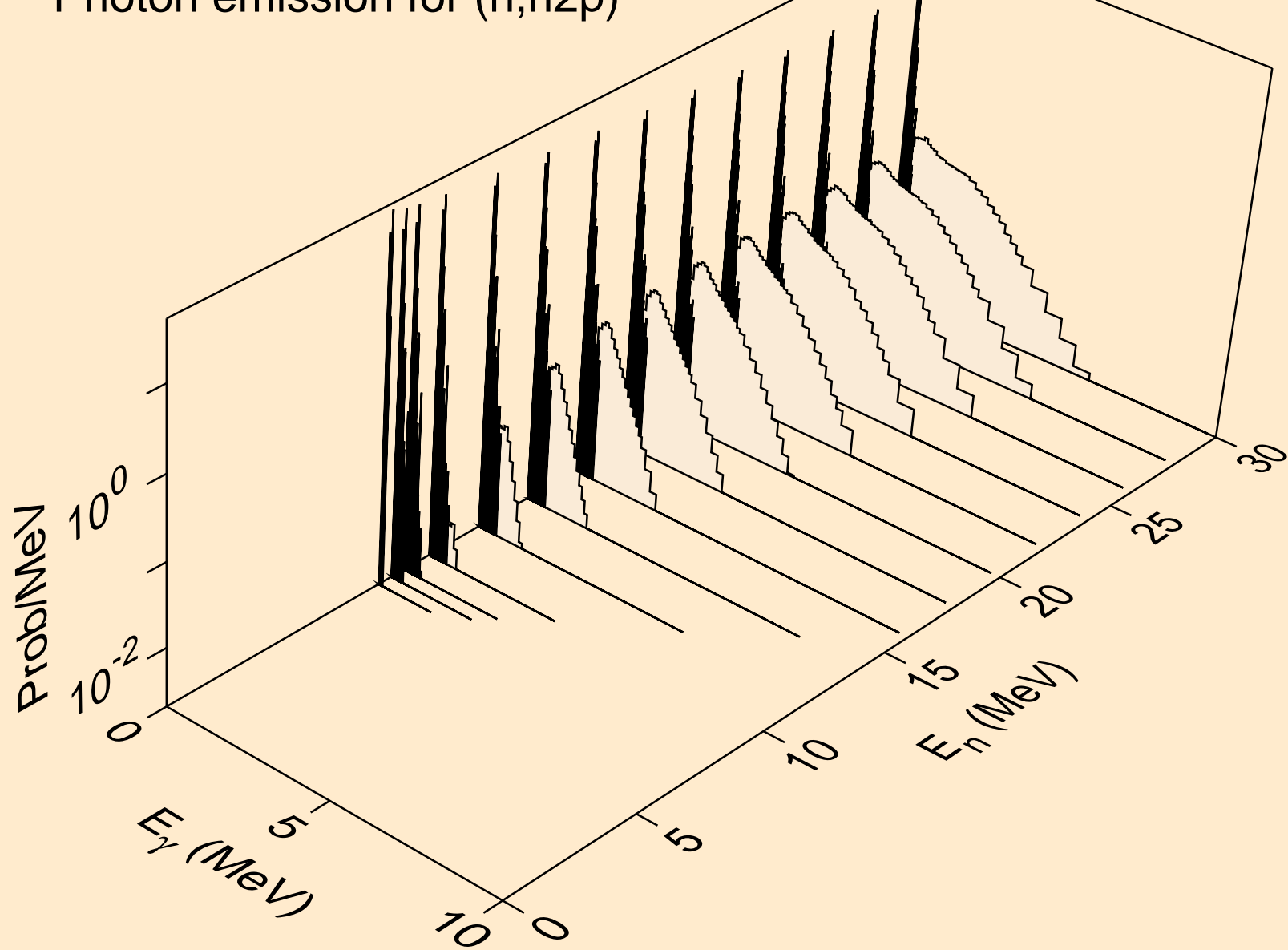
HG183 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,2np)



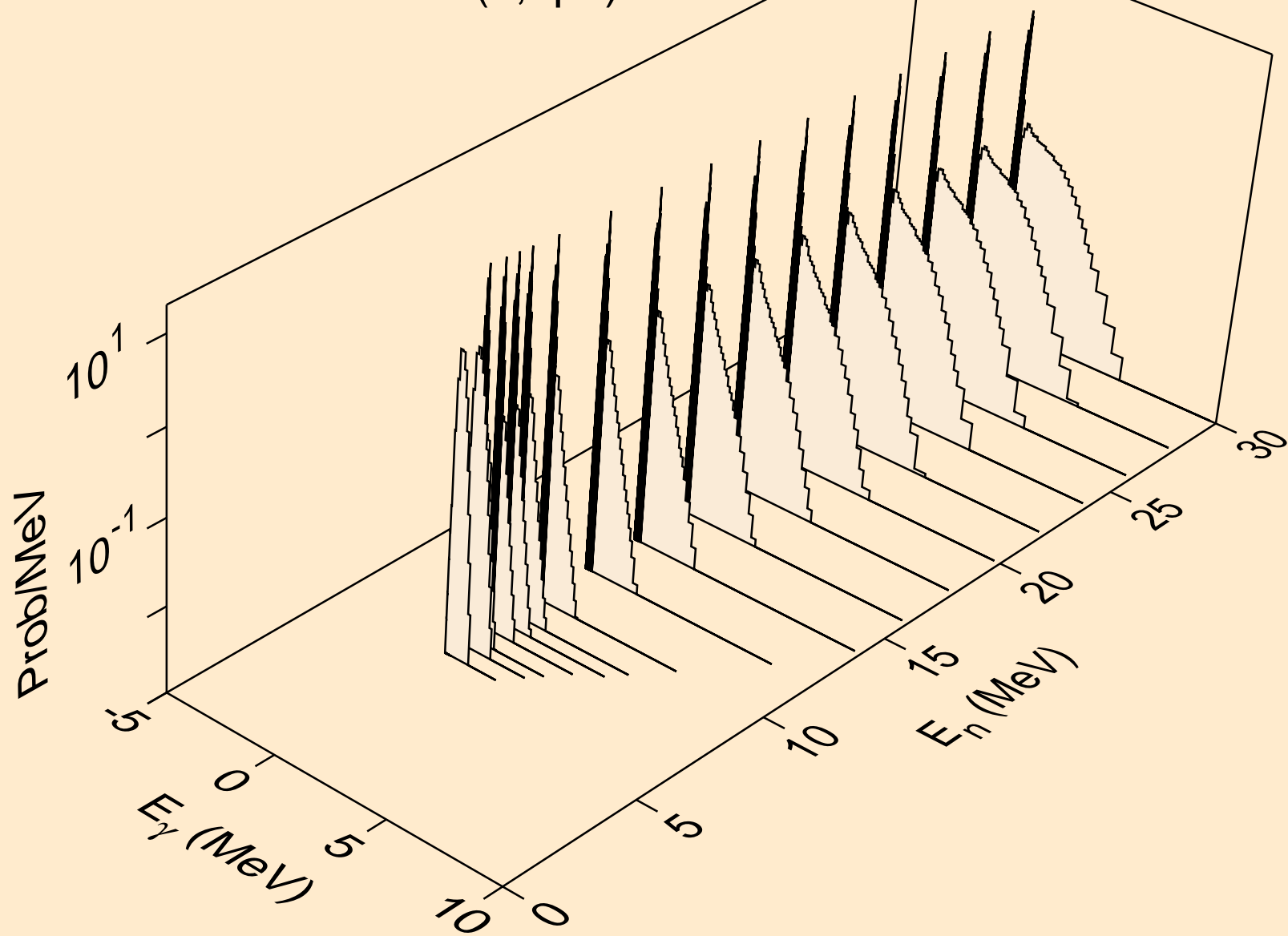
HG183 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,3np)



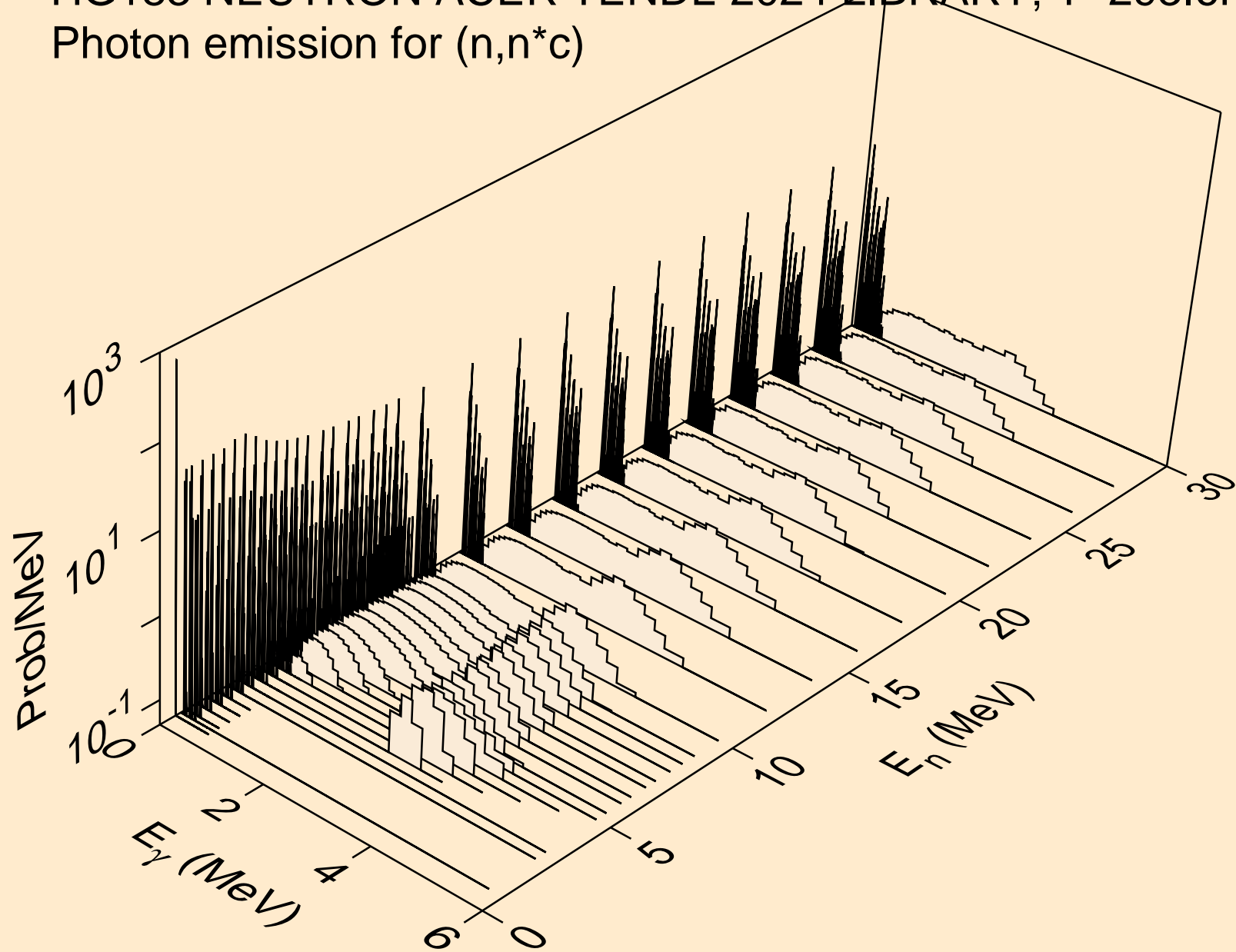
HG183 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n2p)



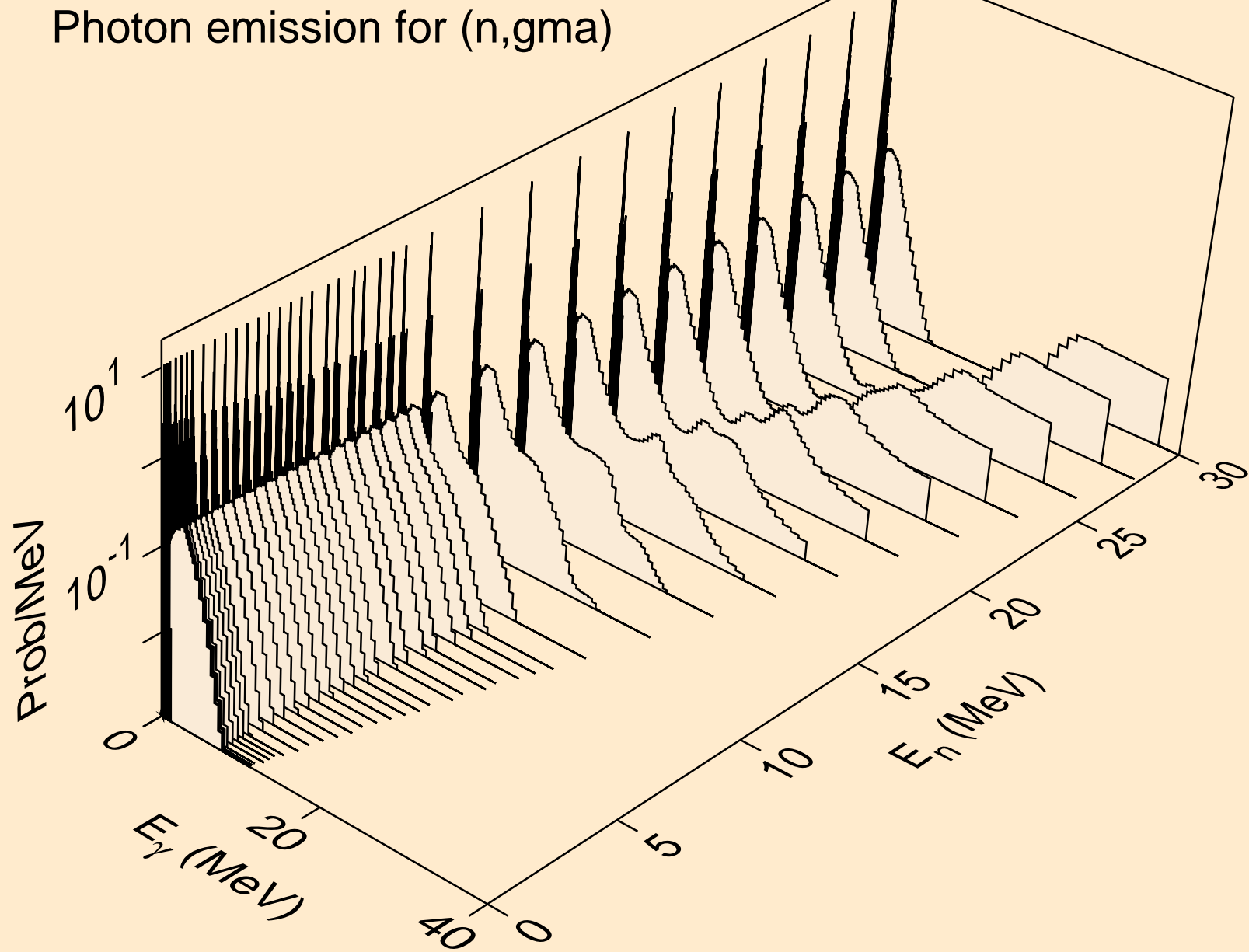
HG183 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,npa)



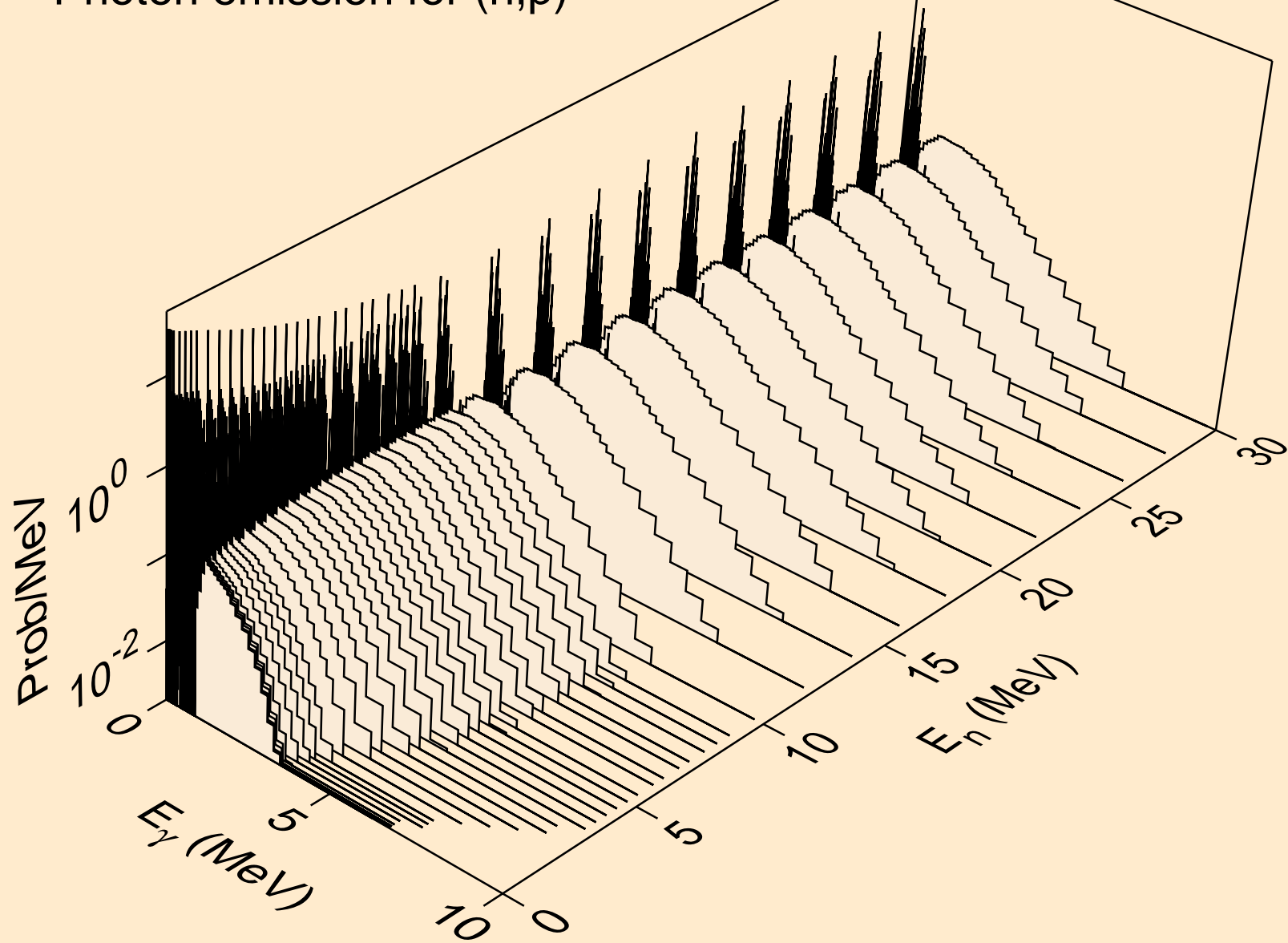
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Photon emission for (n,n\*c)



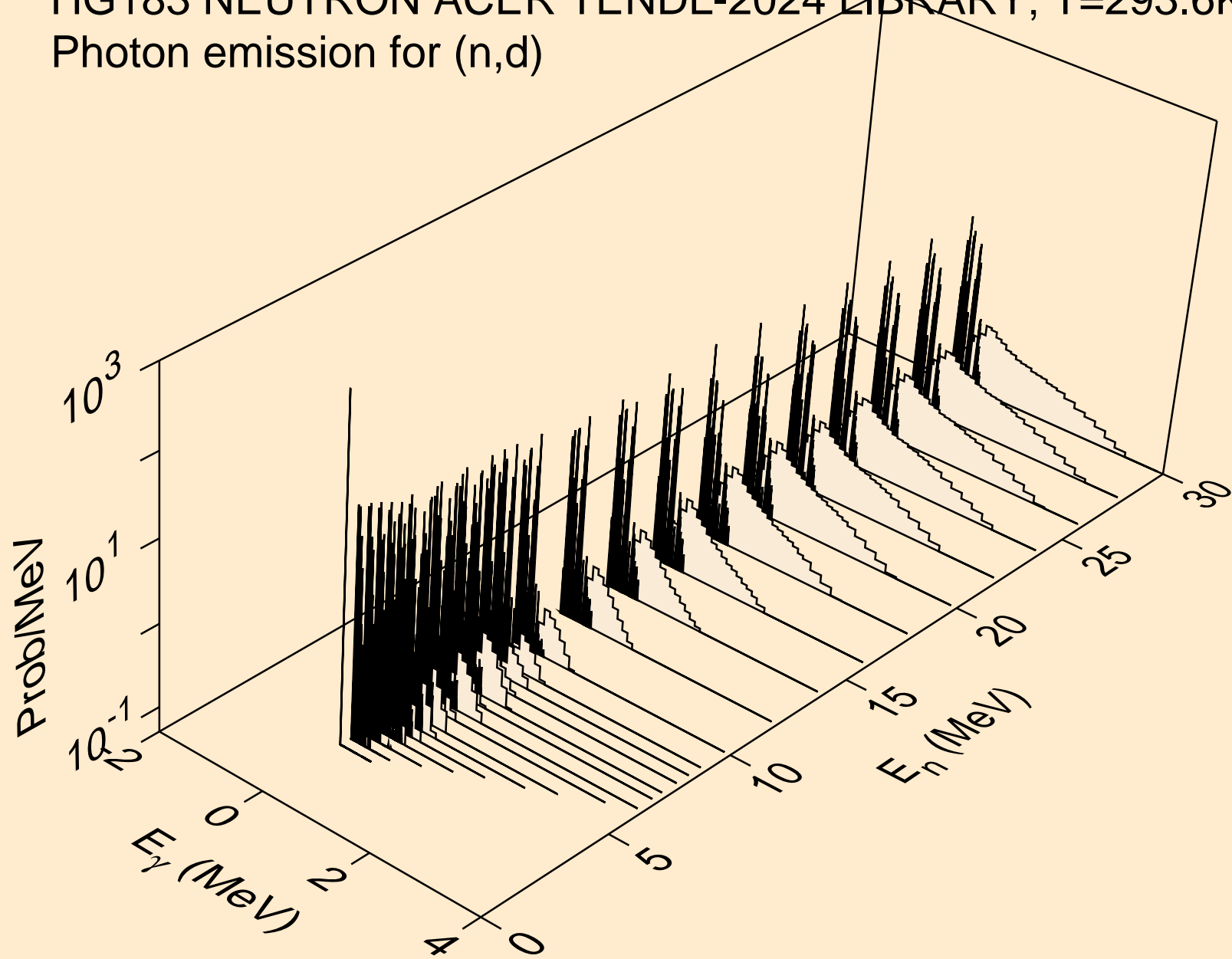
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Photon emission for (n,gma)



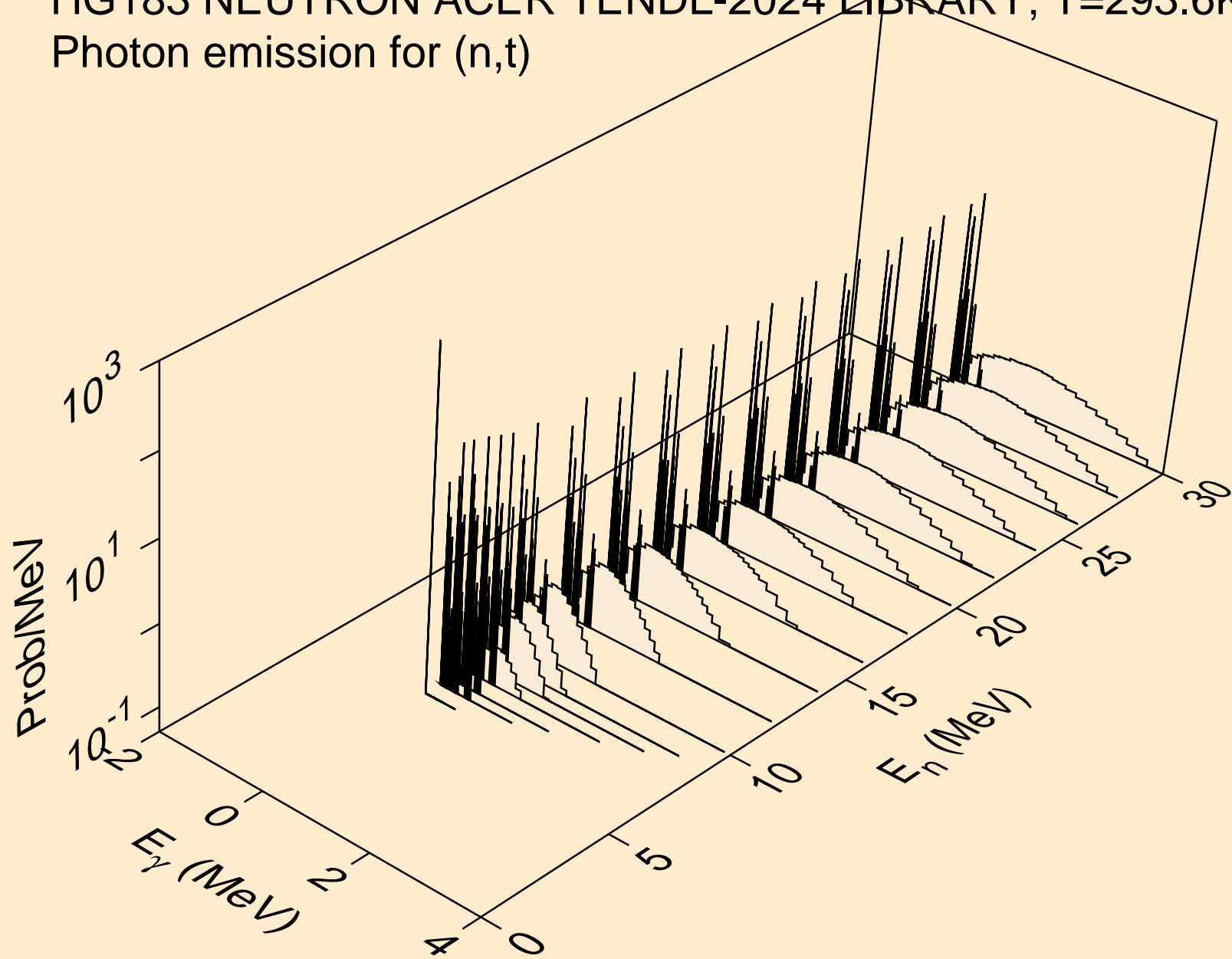
HG183 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,p)



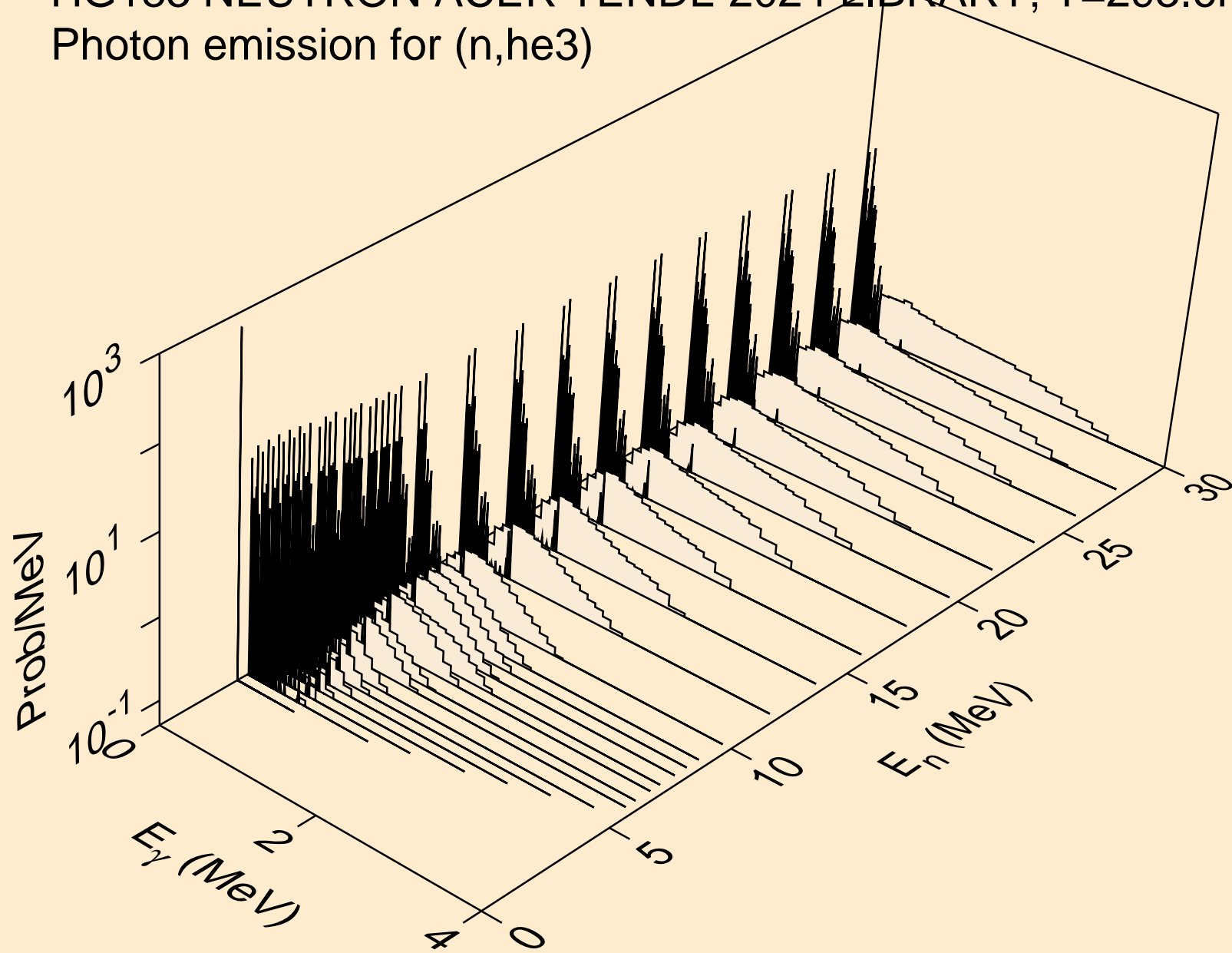
HG183 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,d)



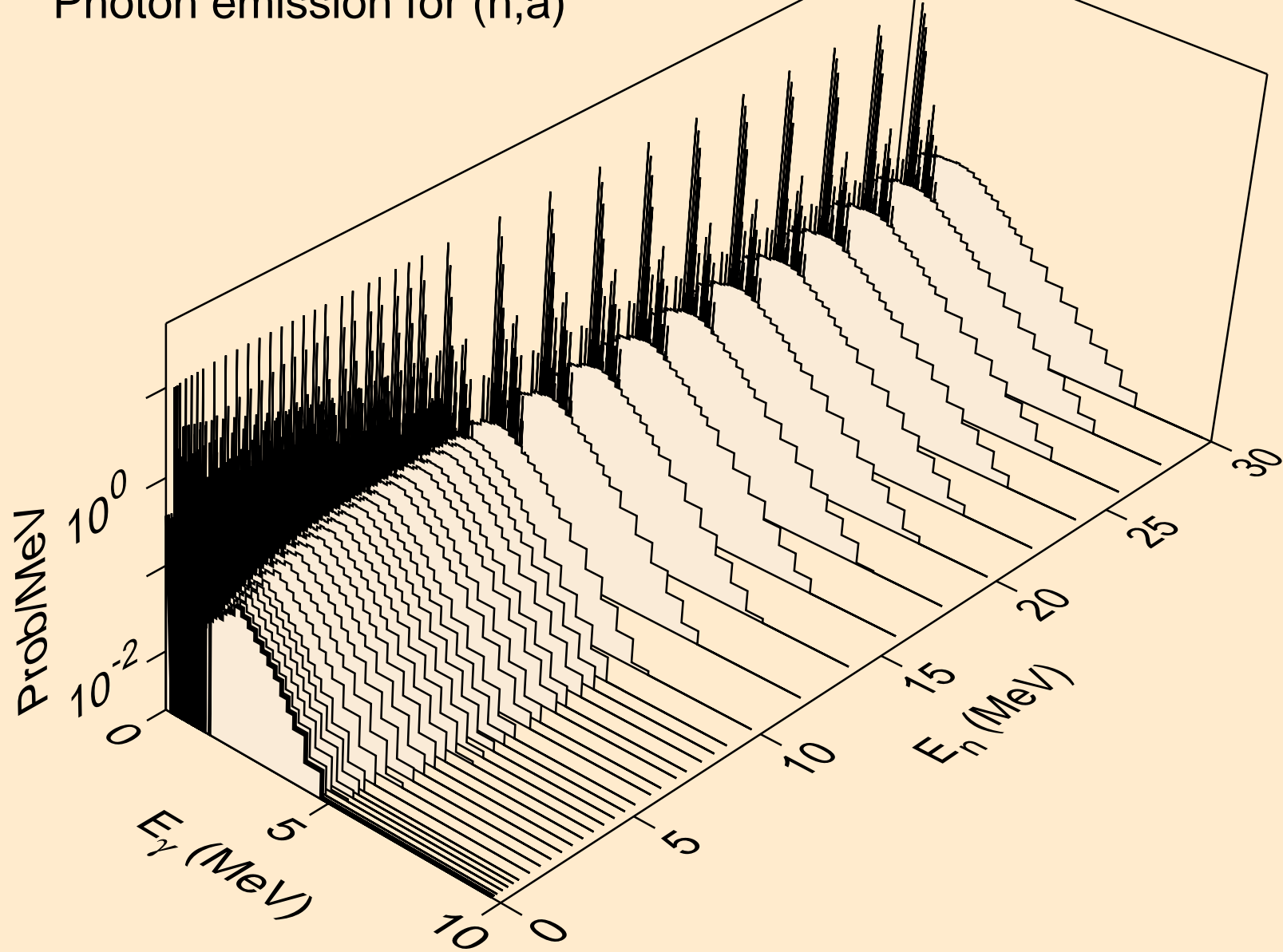
HG183 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,t)



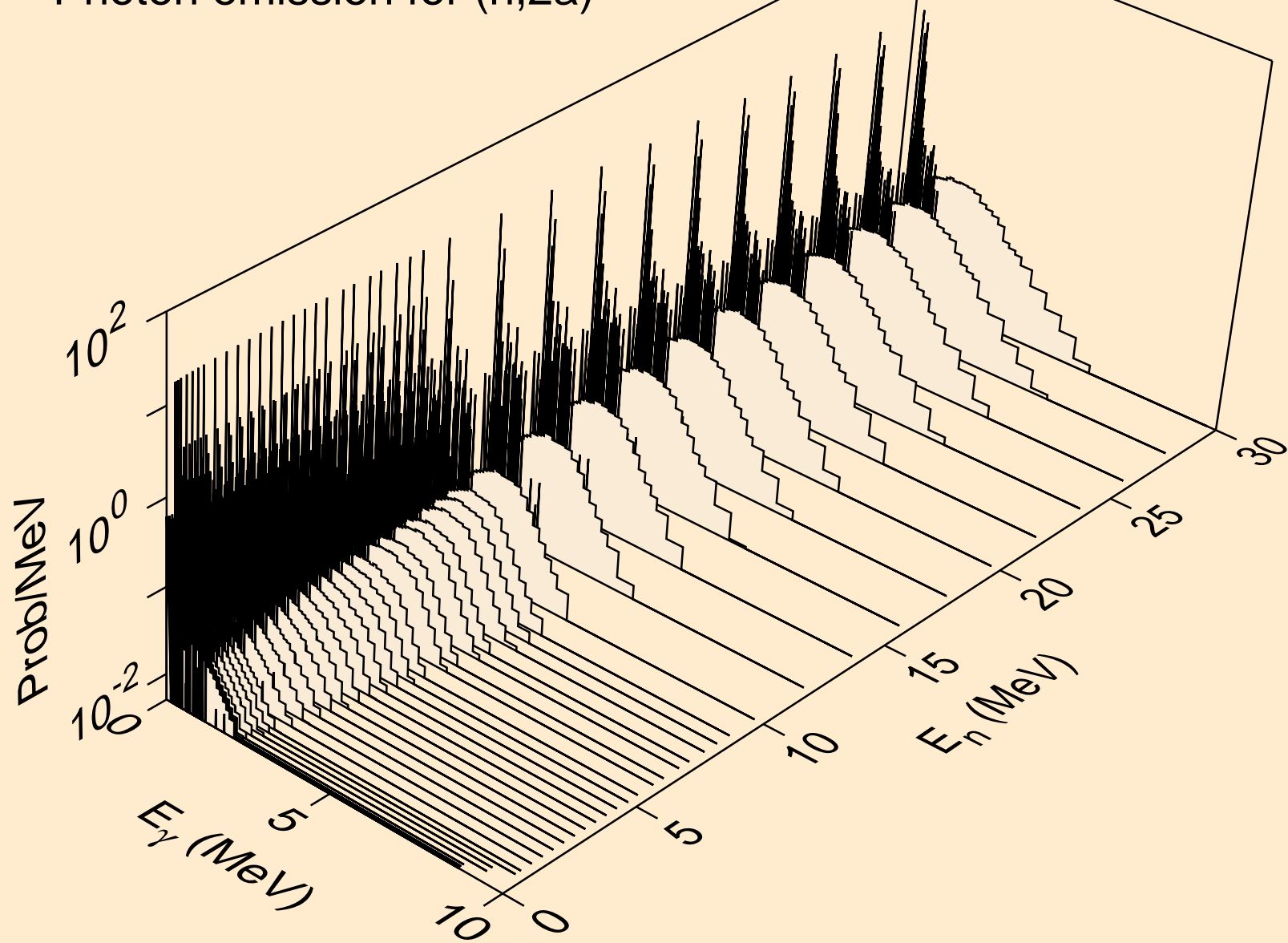
HG183 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,he3)



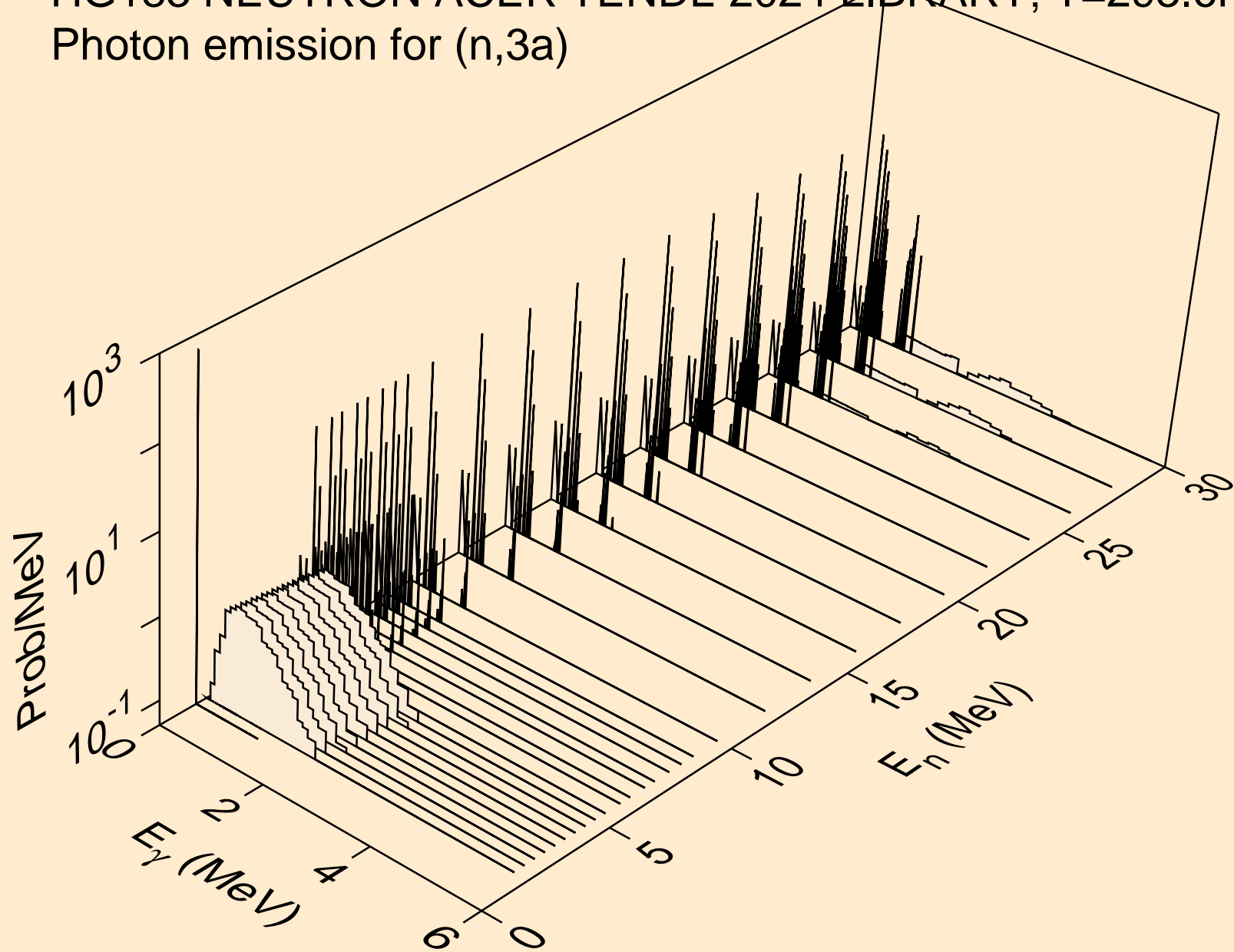
HG183 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,a)



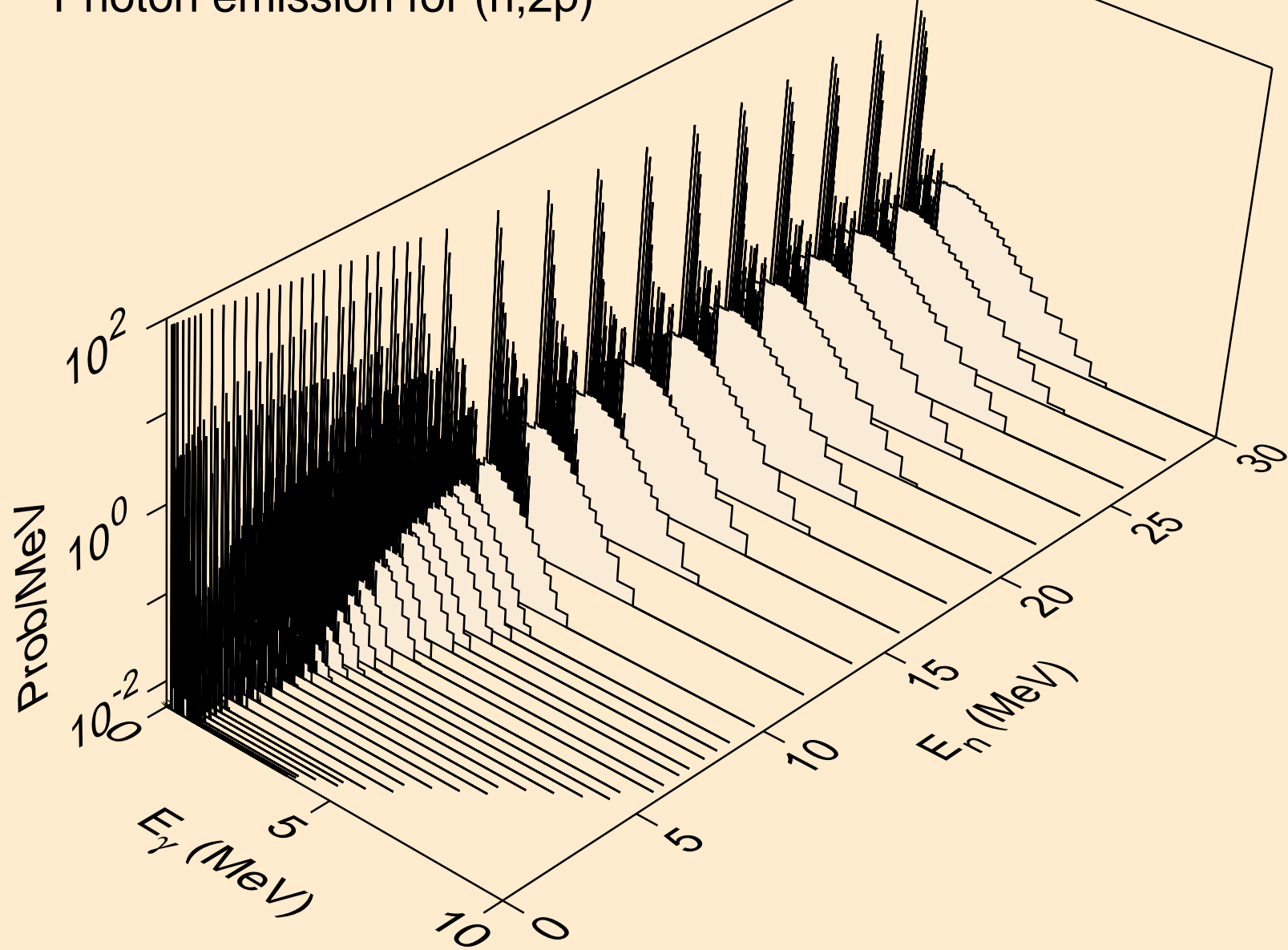
HG183 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,2a)



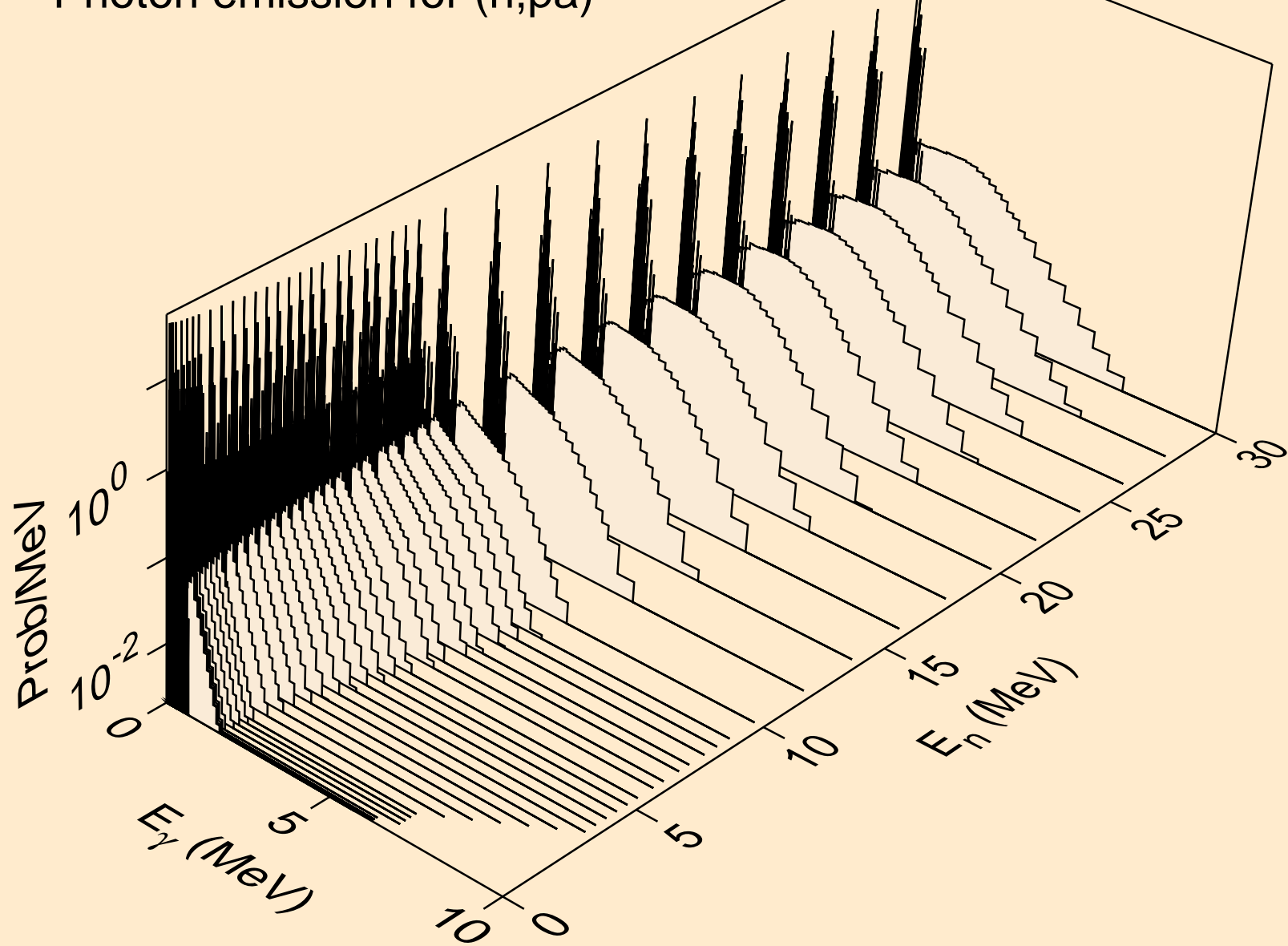
HG183 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,3a)



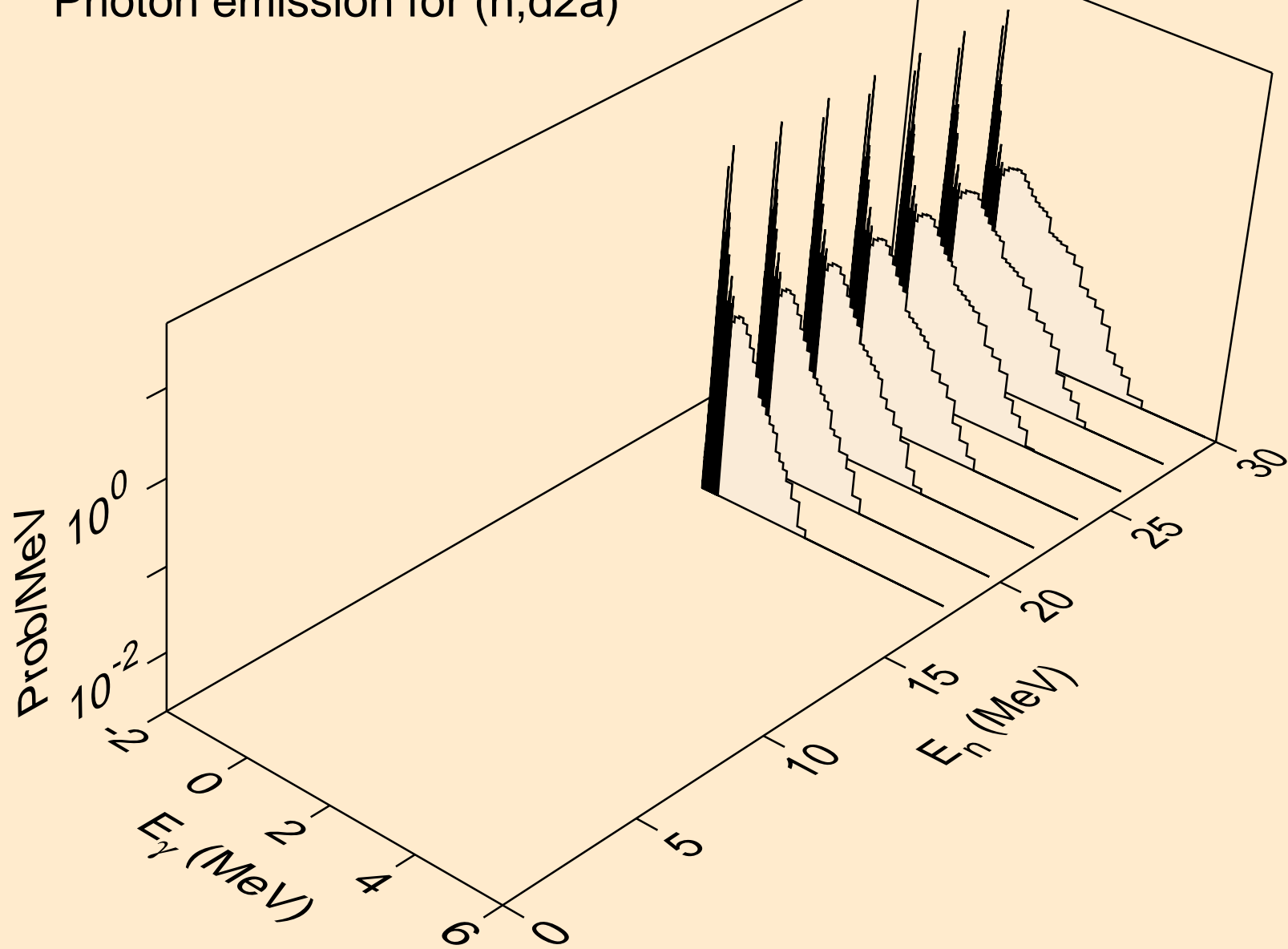
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Photon emission for (n,2p)



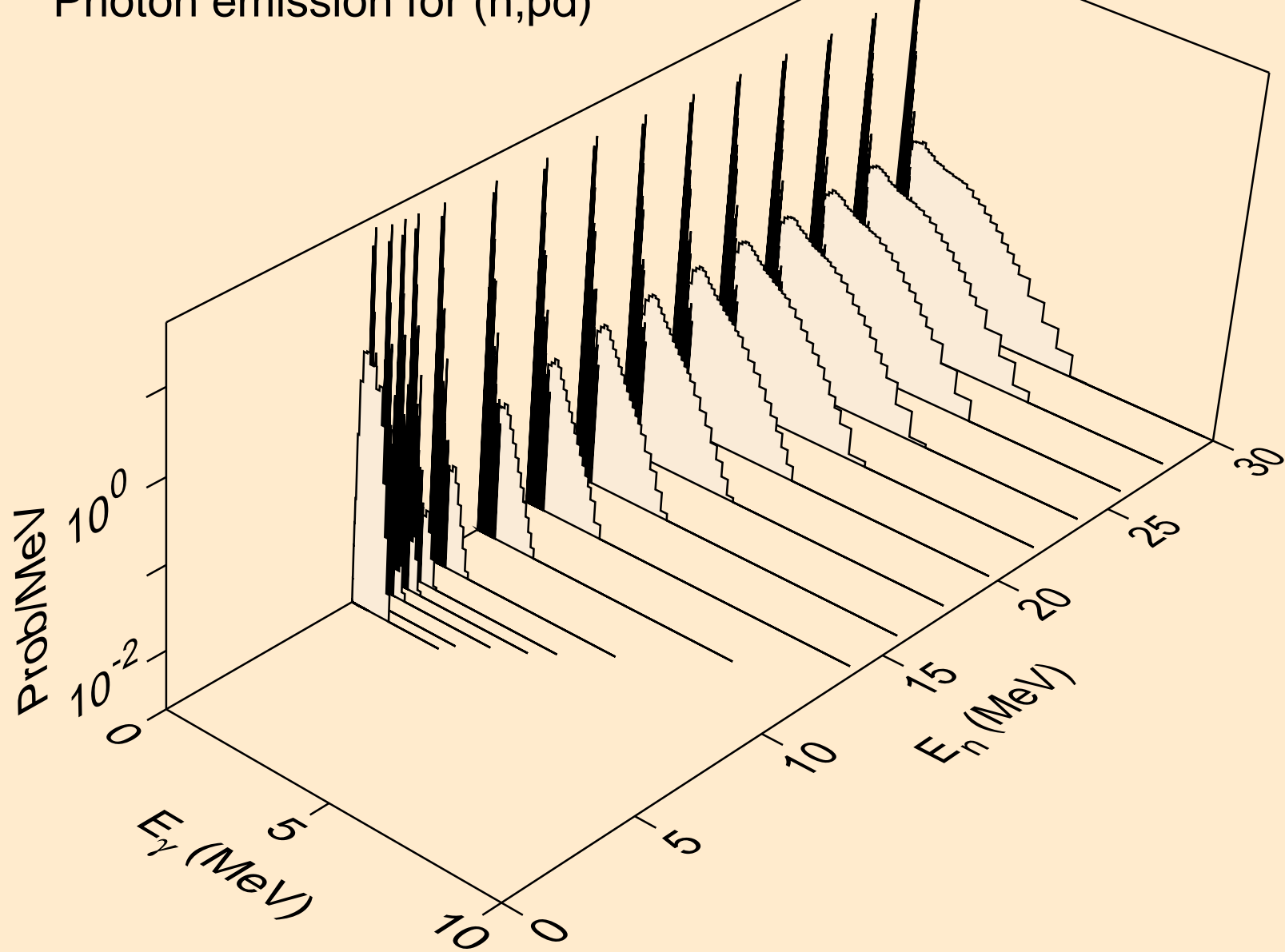
HG183 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,p $\alpha$ )



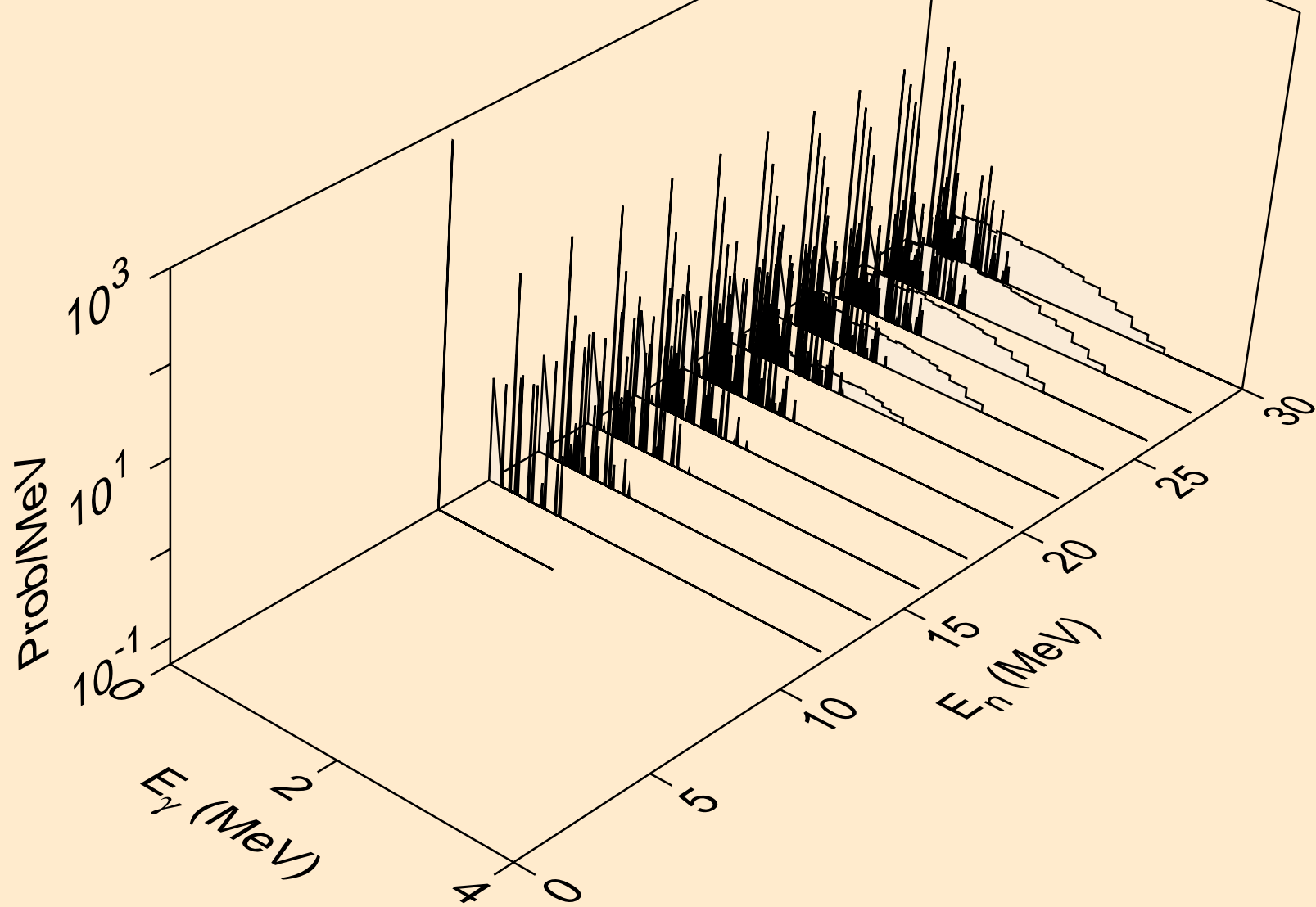
HG183 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,d2a)



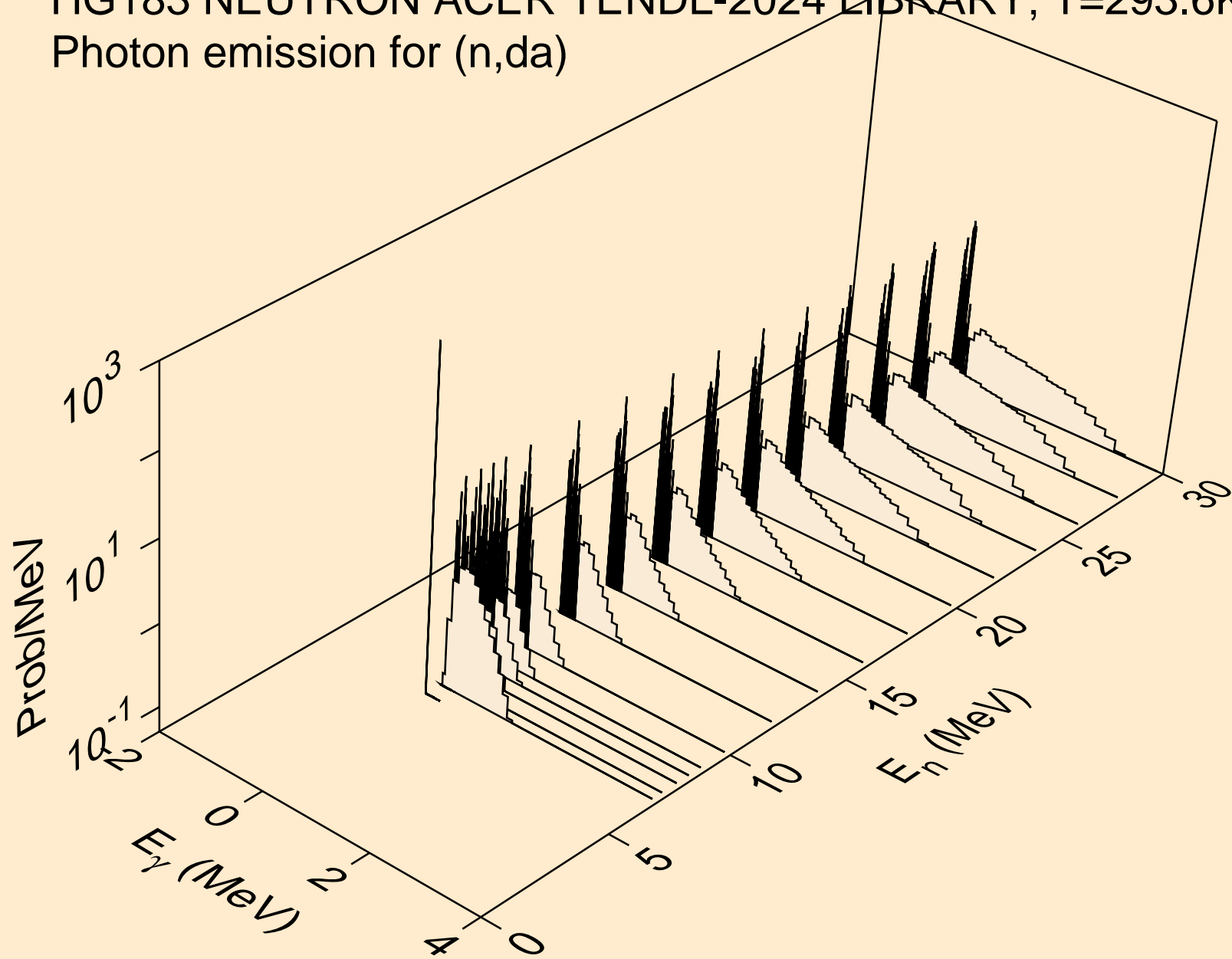
HG183 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,pd)



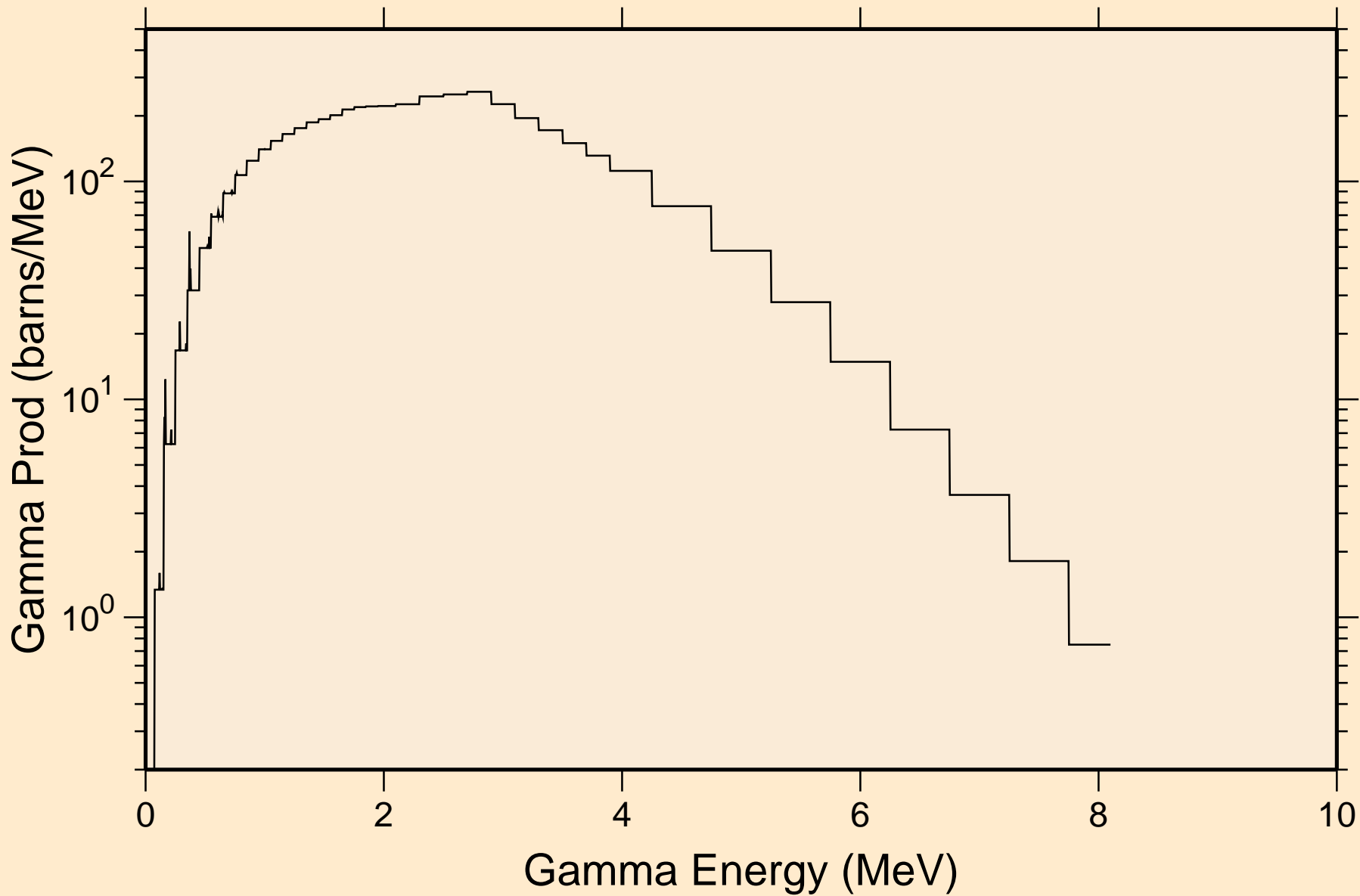
HG183 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,pt)



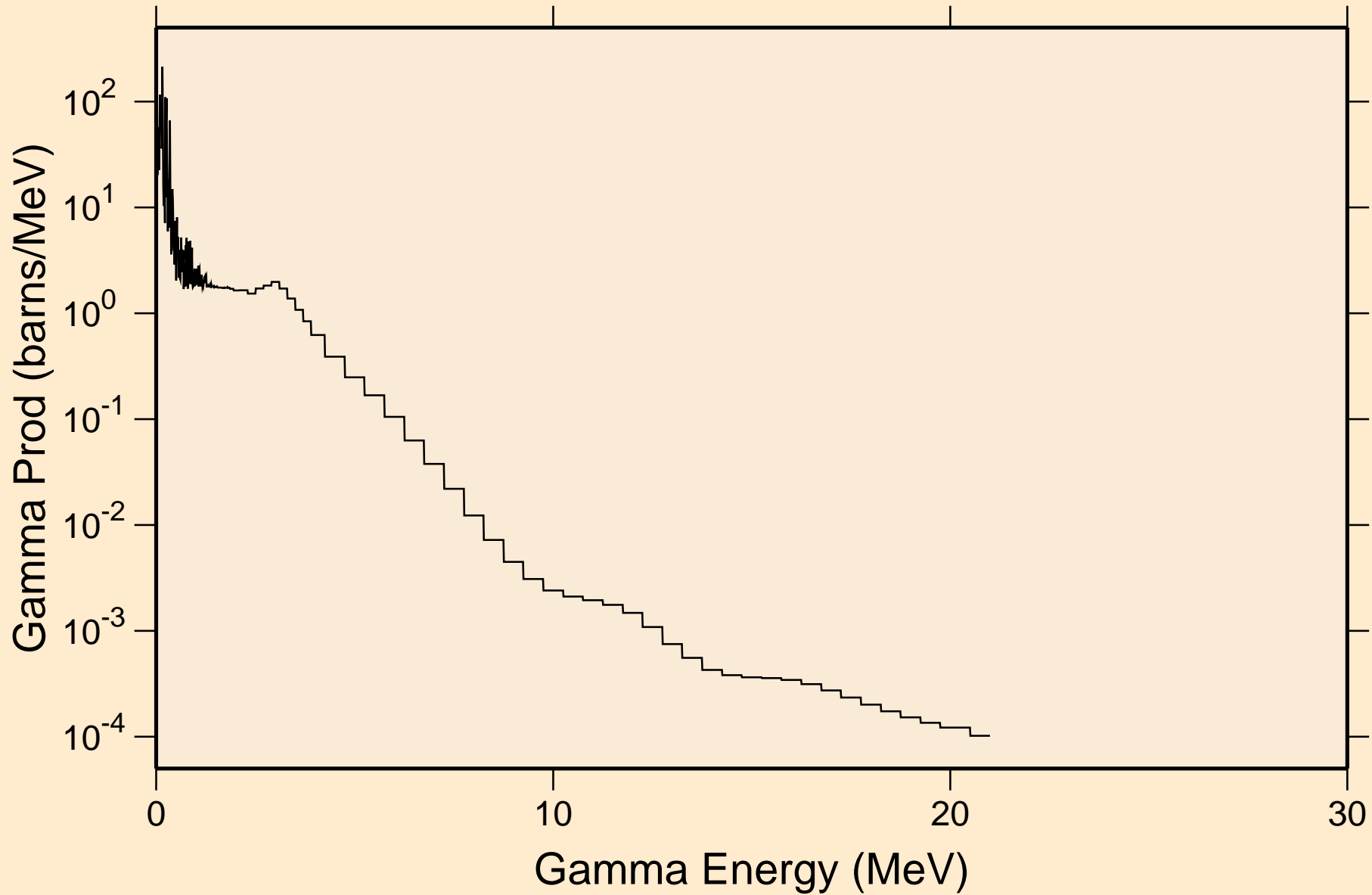
HG183 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,da)



HG183 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
thermal capture photon spectrum

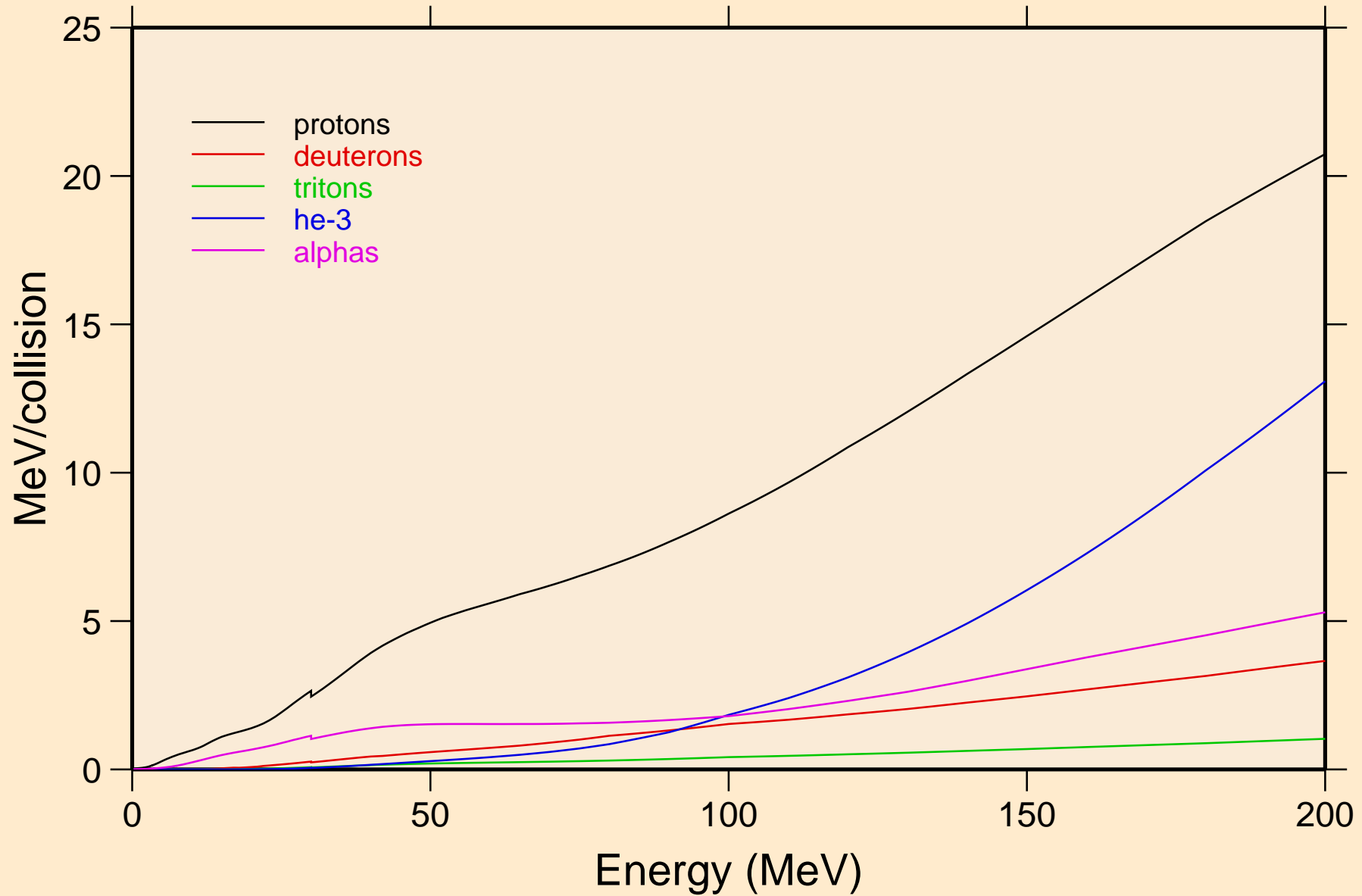


HG183 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
14 MeV photon spectrum



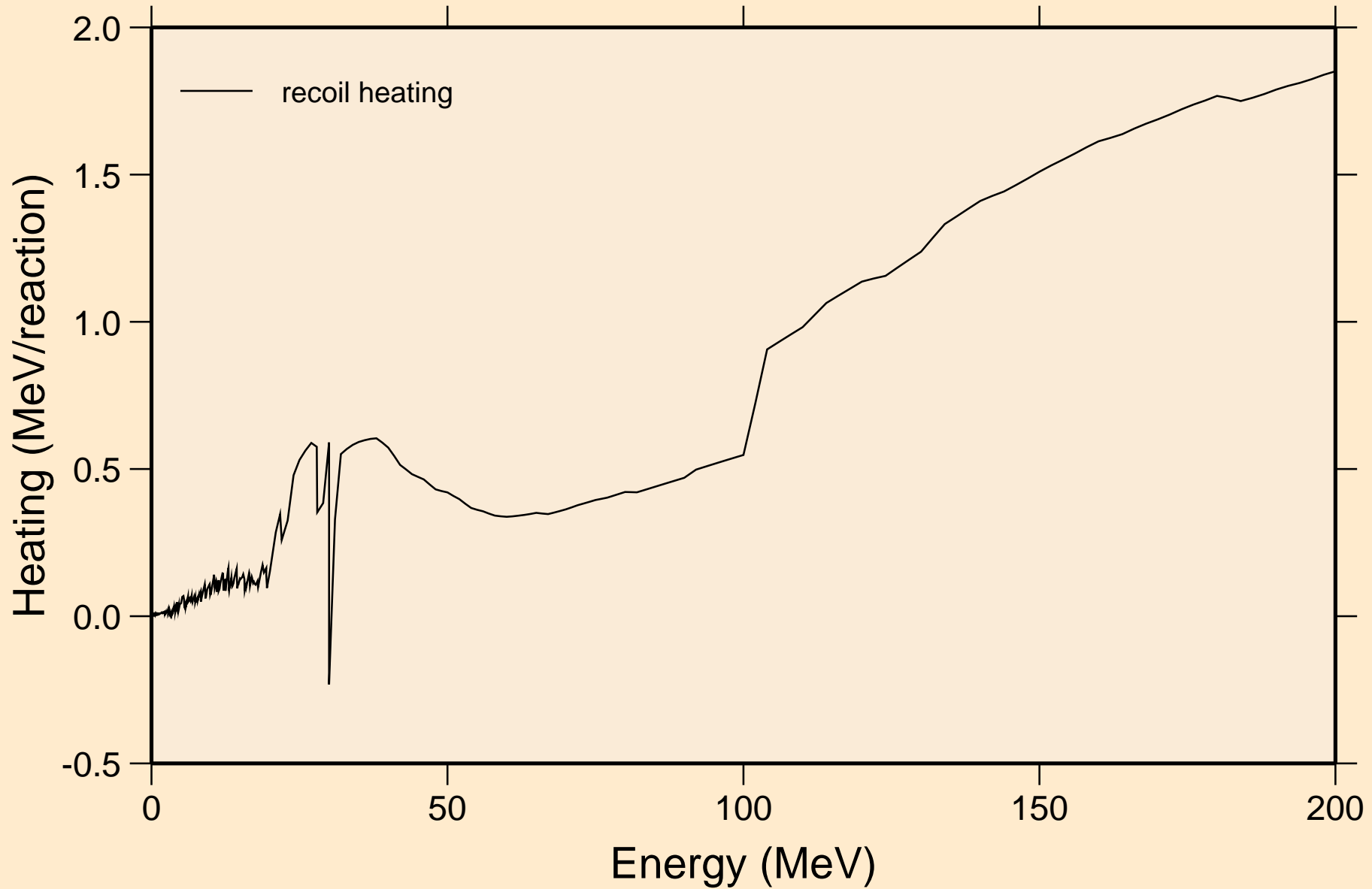
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## Particle heating contributions



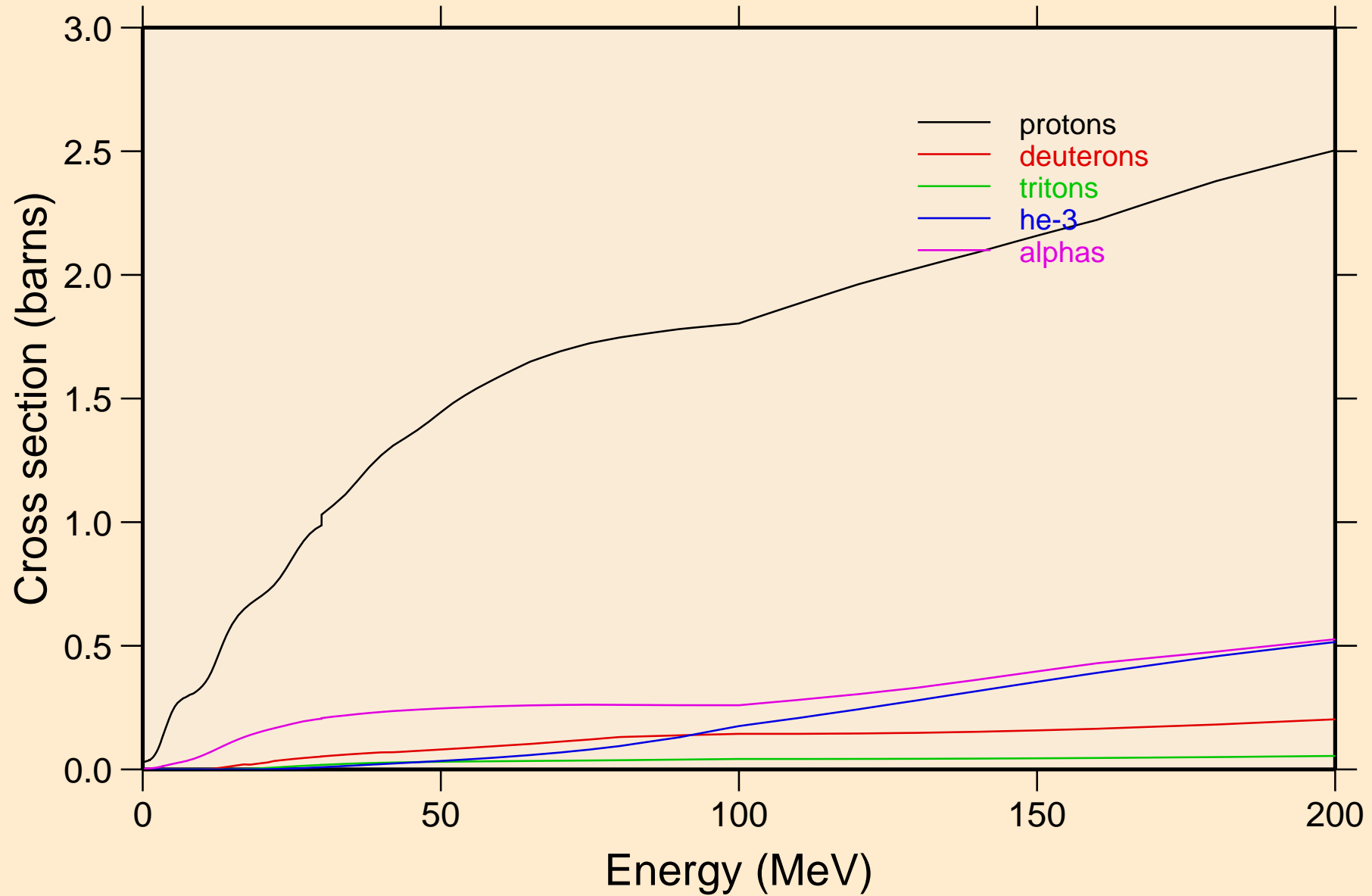
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## Recoil Heating

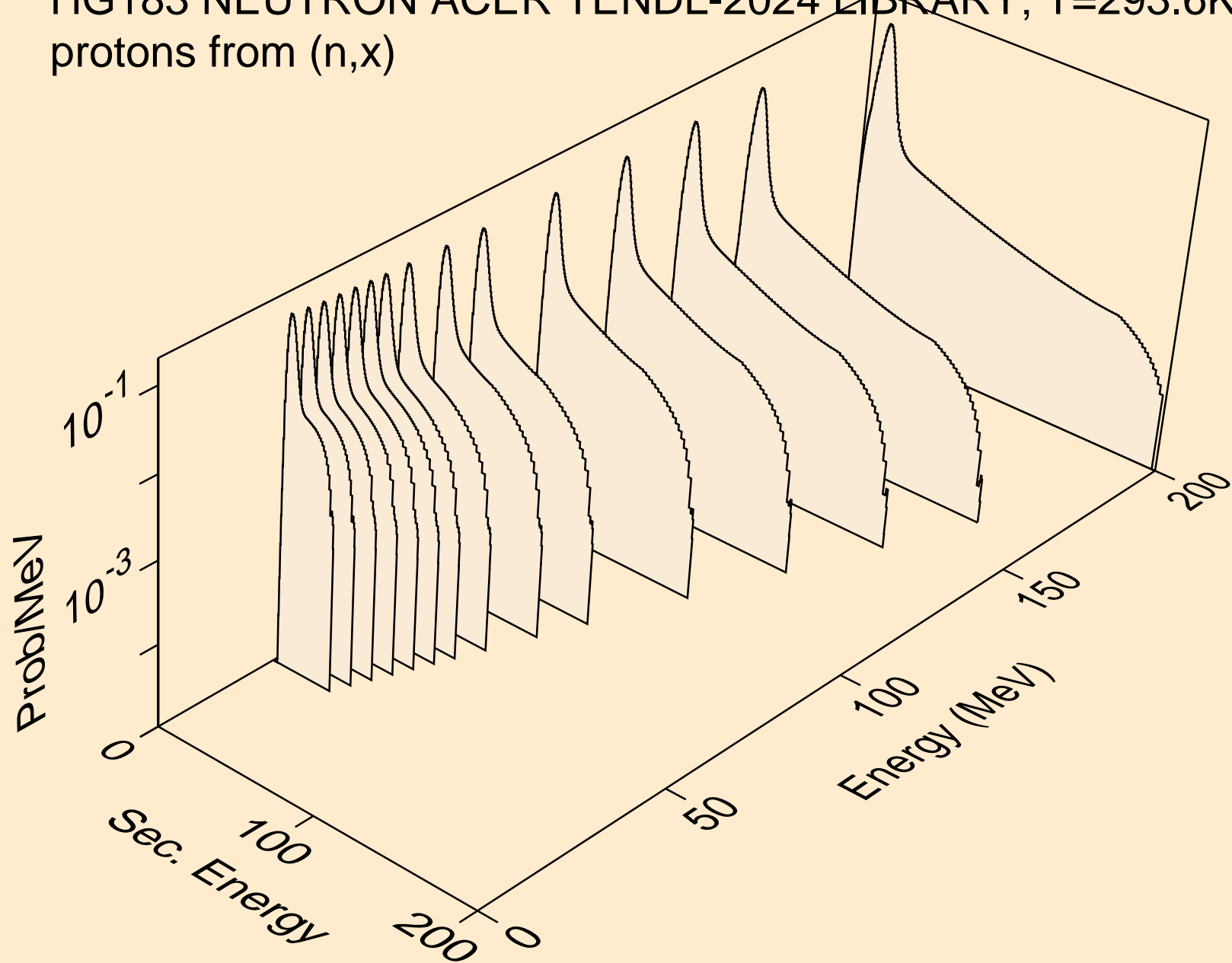


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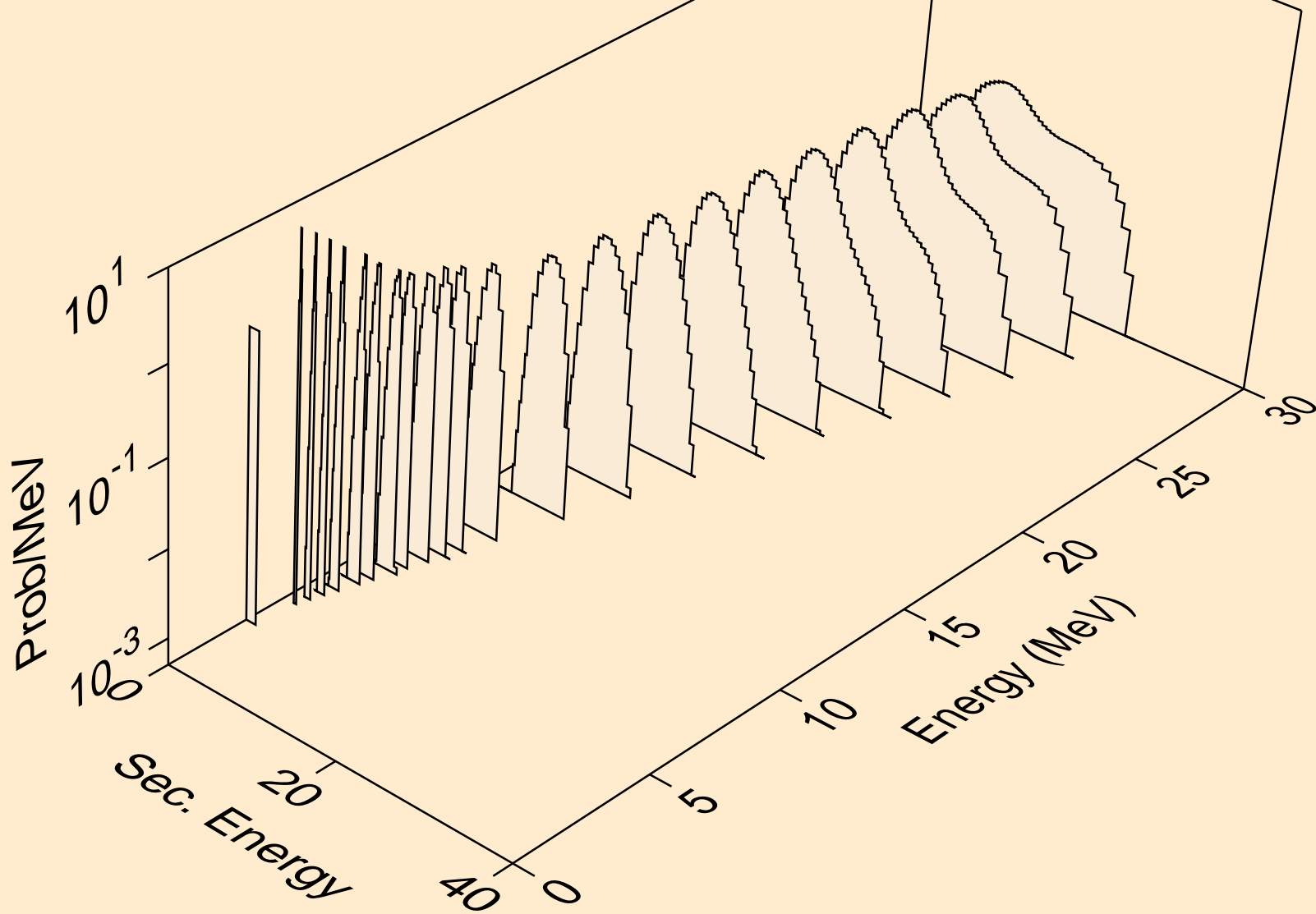
## Particle production cross sections



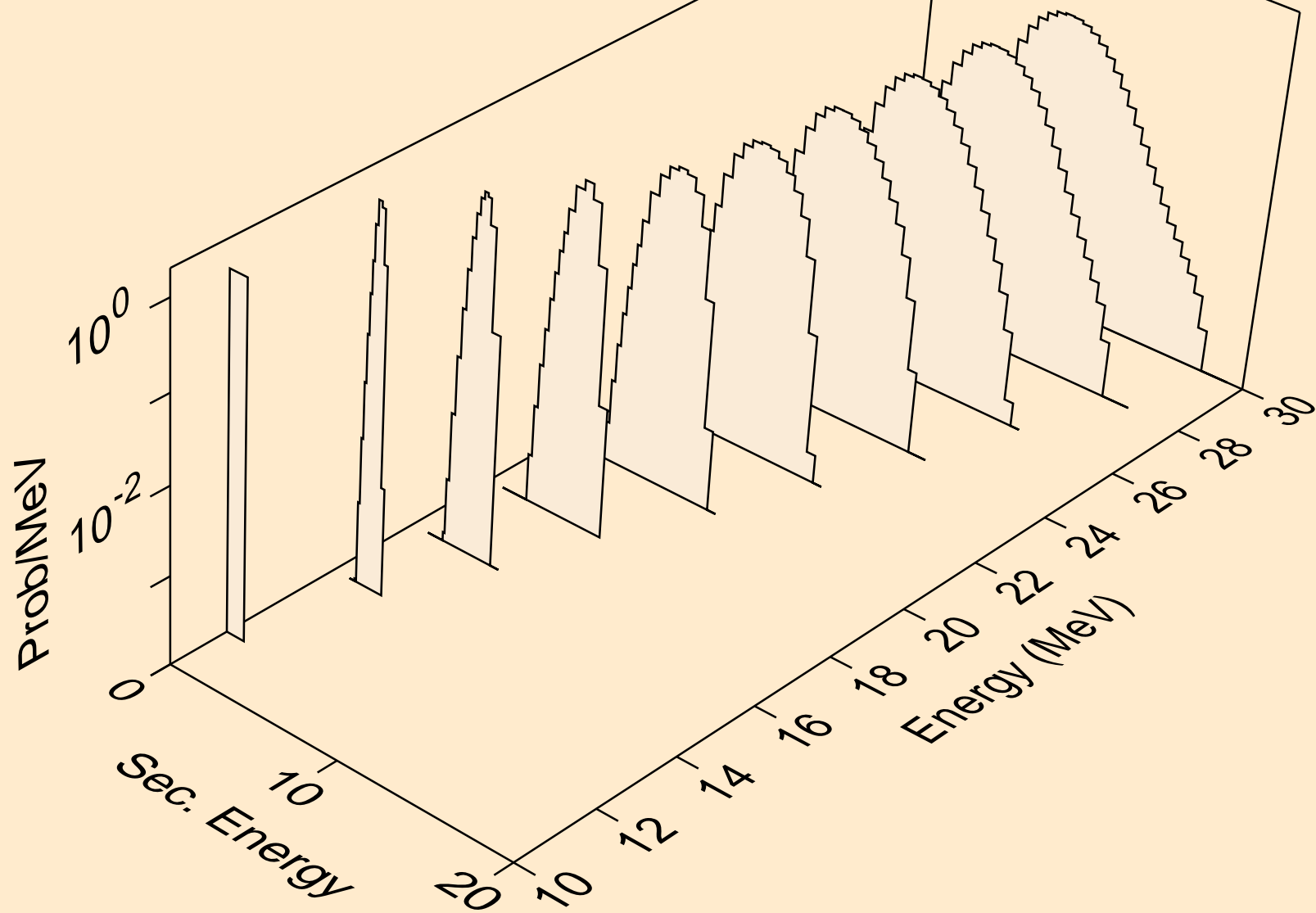
HG183 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
protons from (n,x)



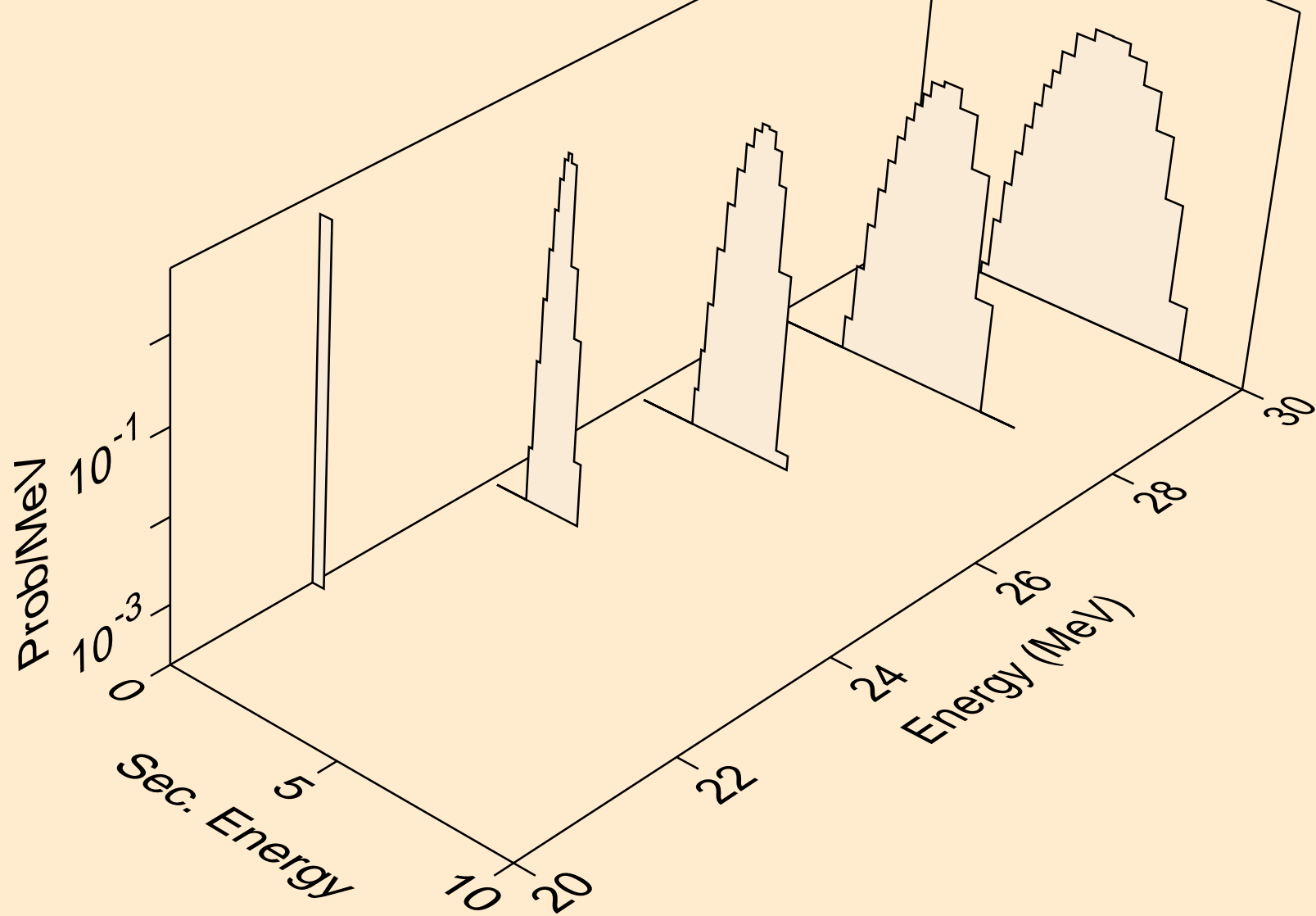
HG183 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
protons from (n,n\*)p



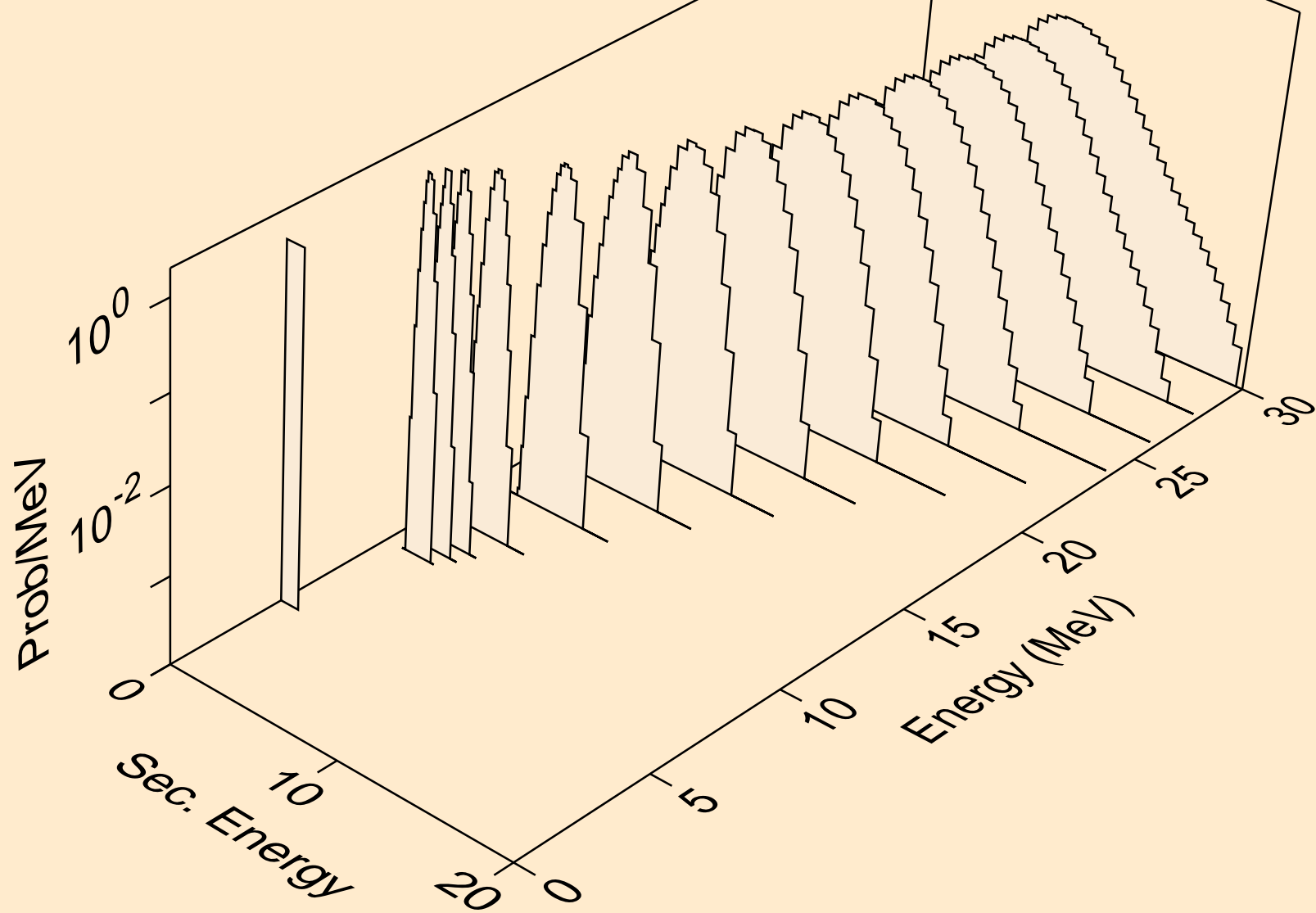
HG183 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
protons from (n,2np)



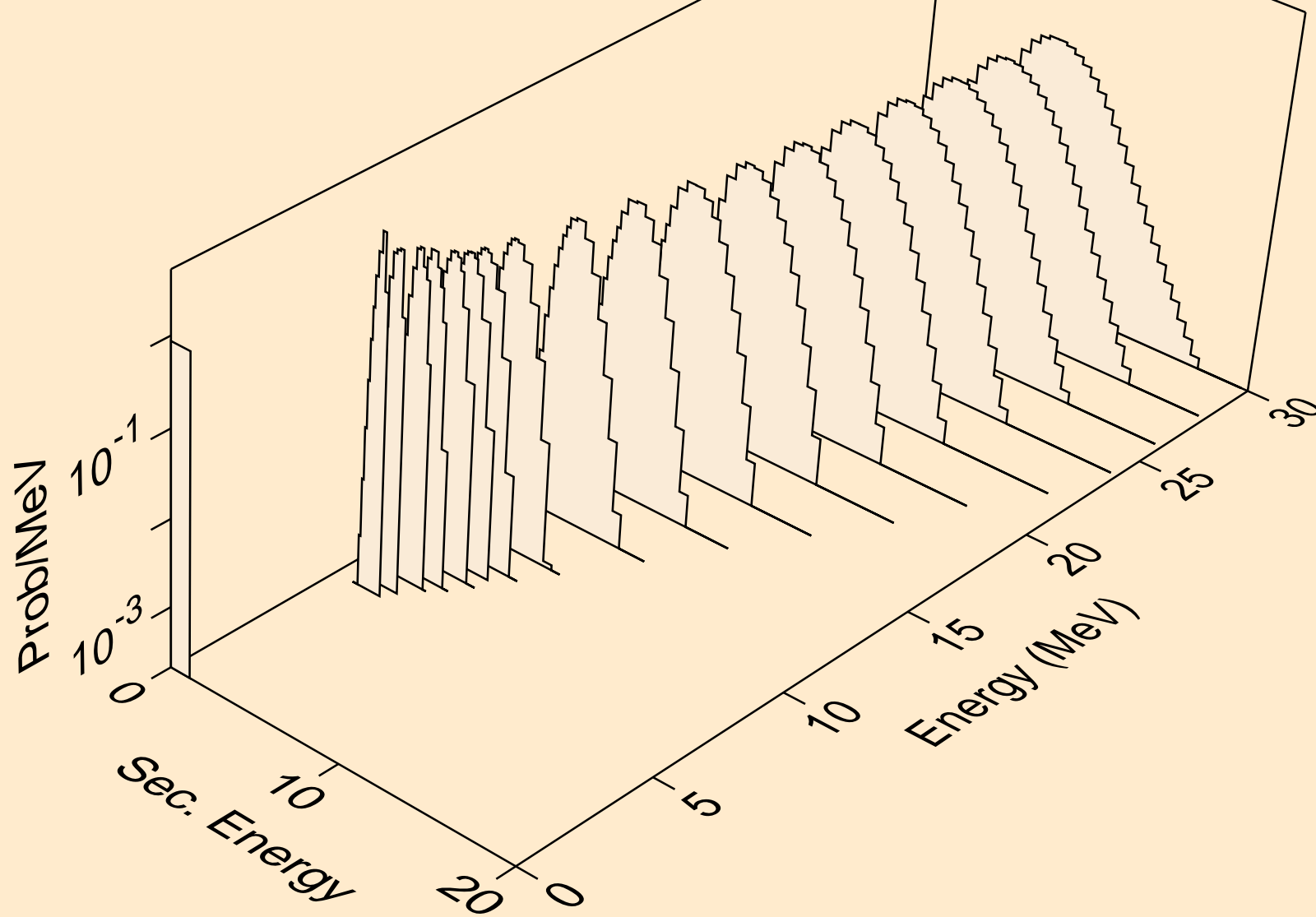
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protons from (n,3np)



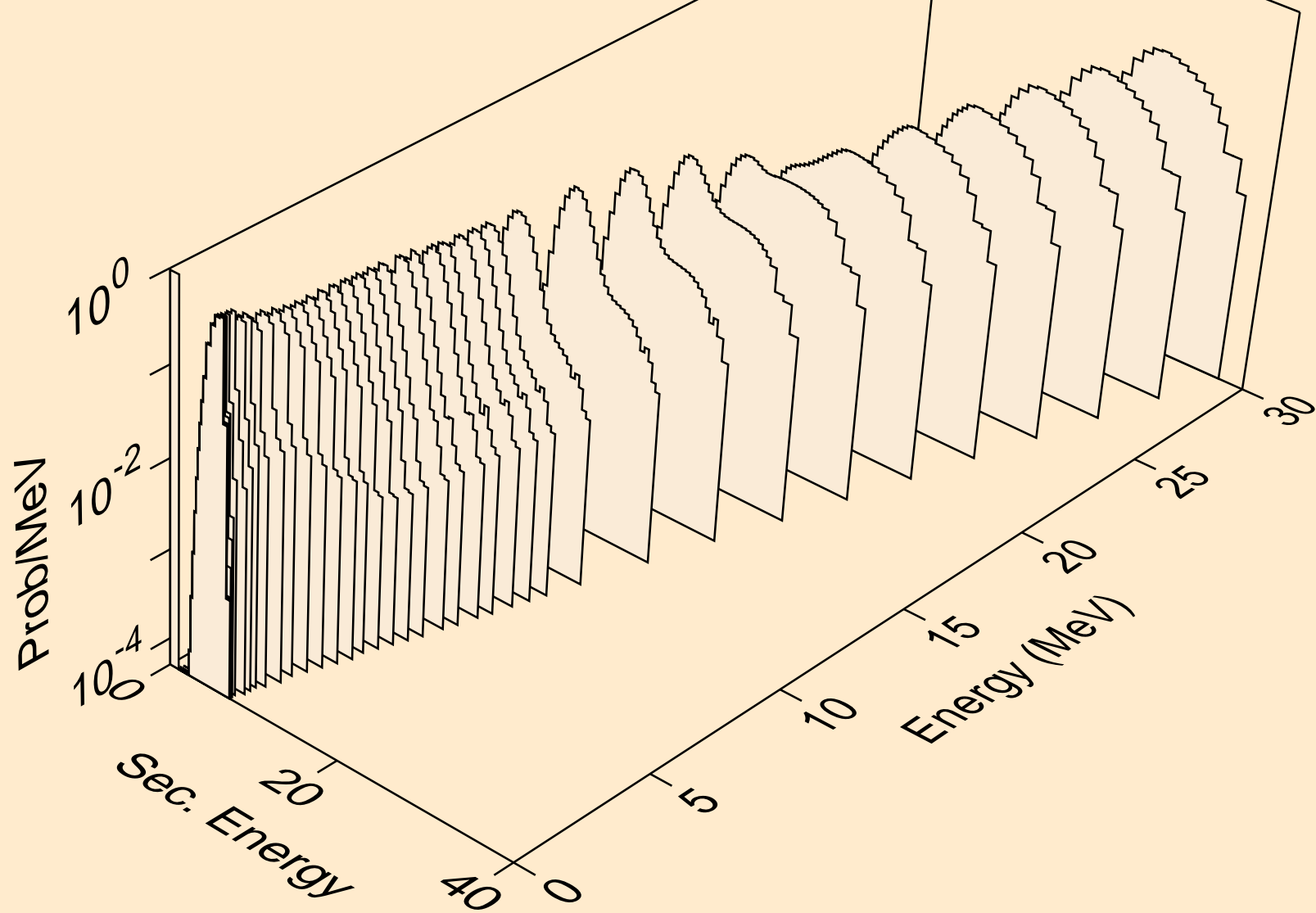
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protons from (n,n2p)



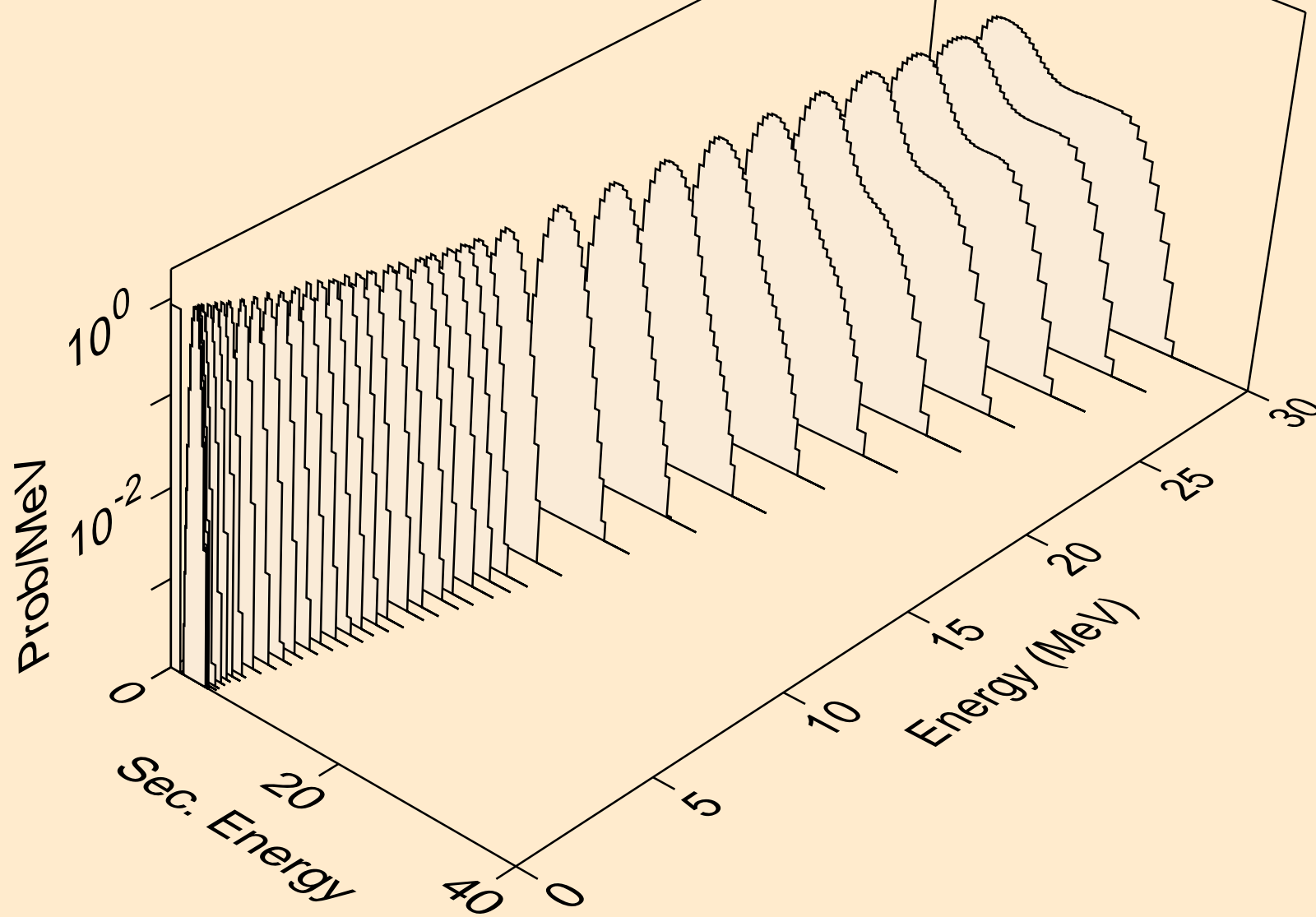
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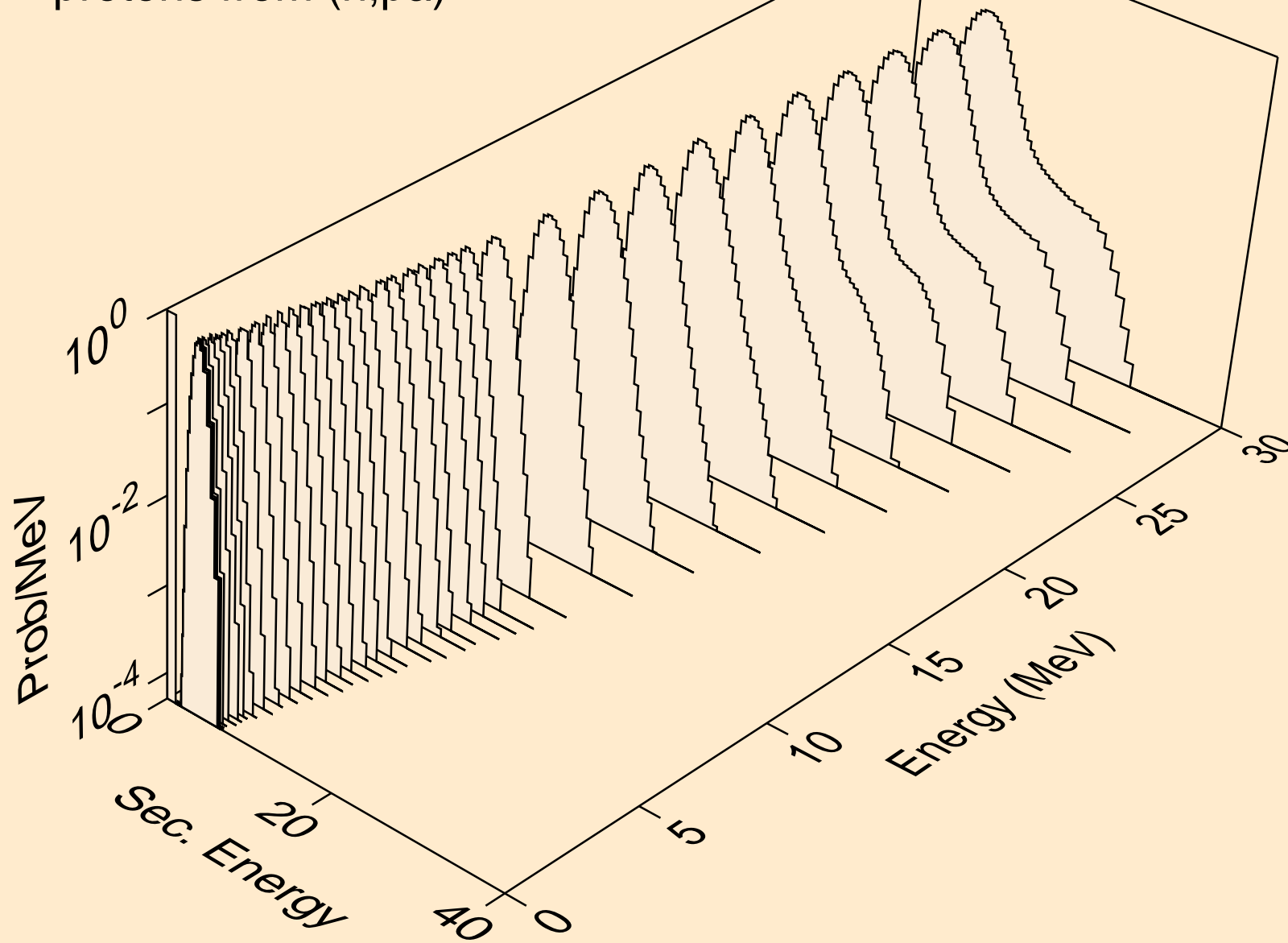
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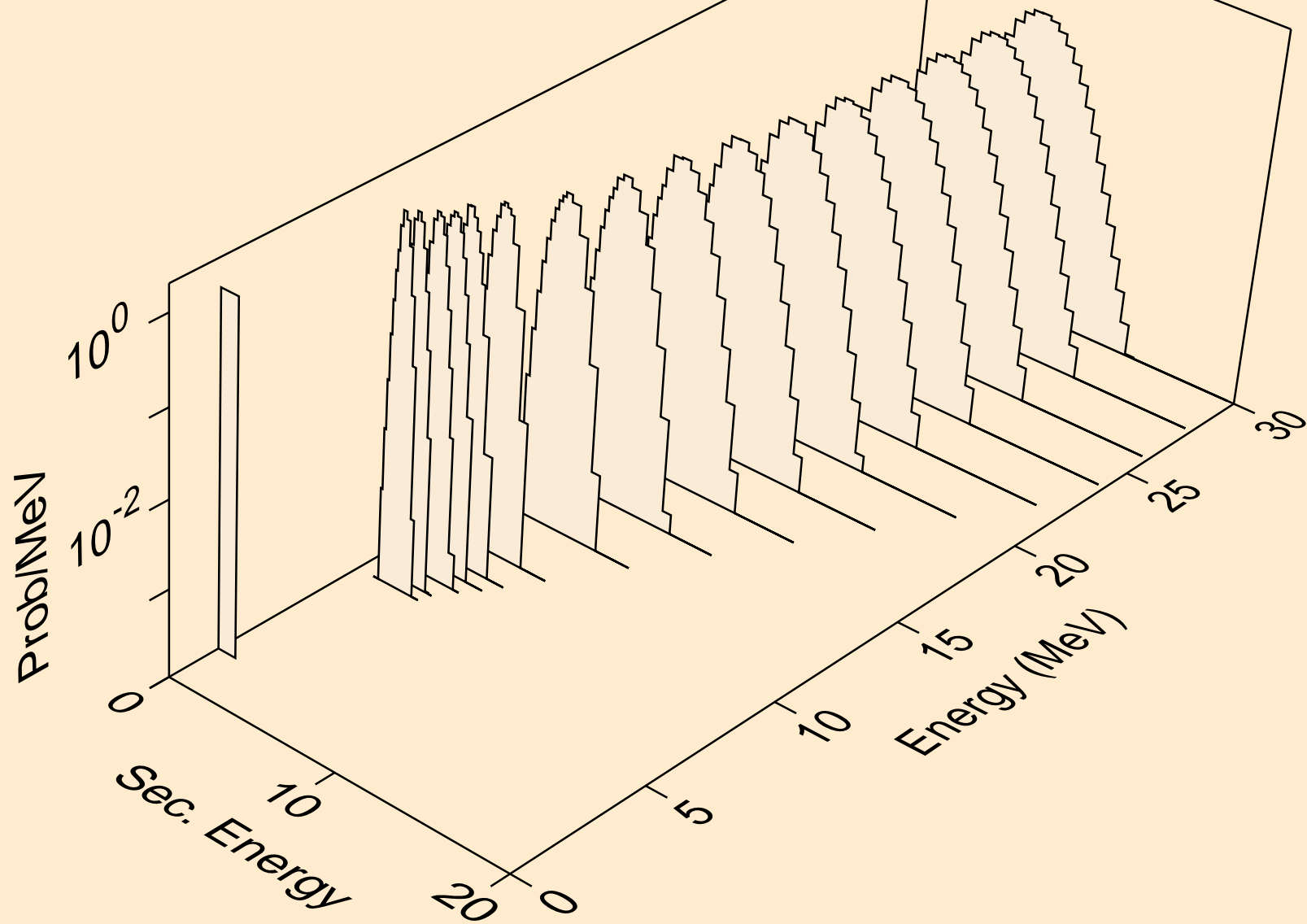
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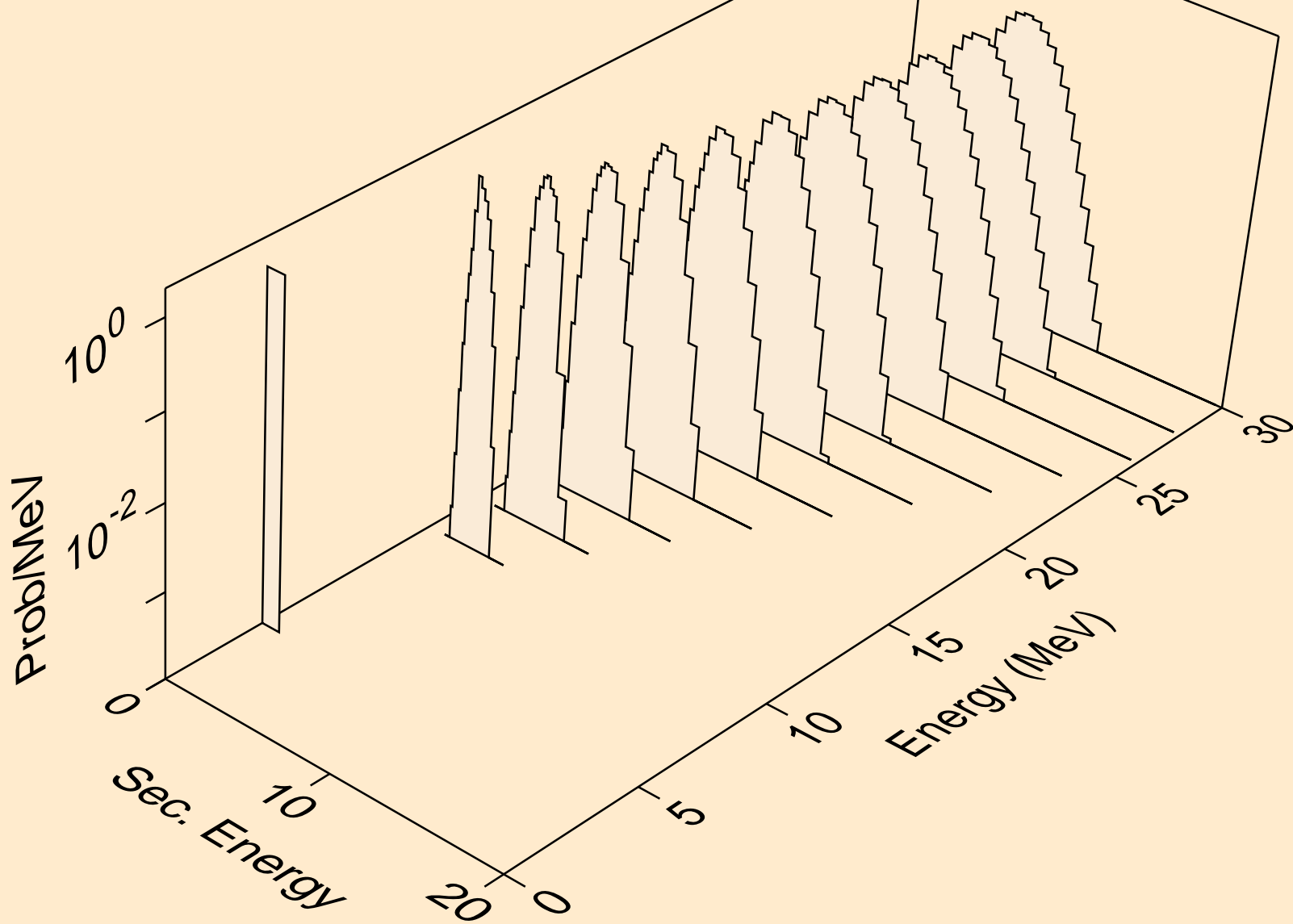
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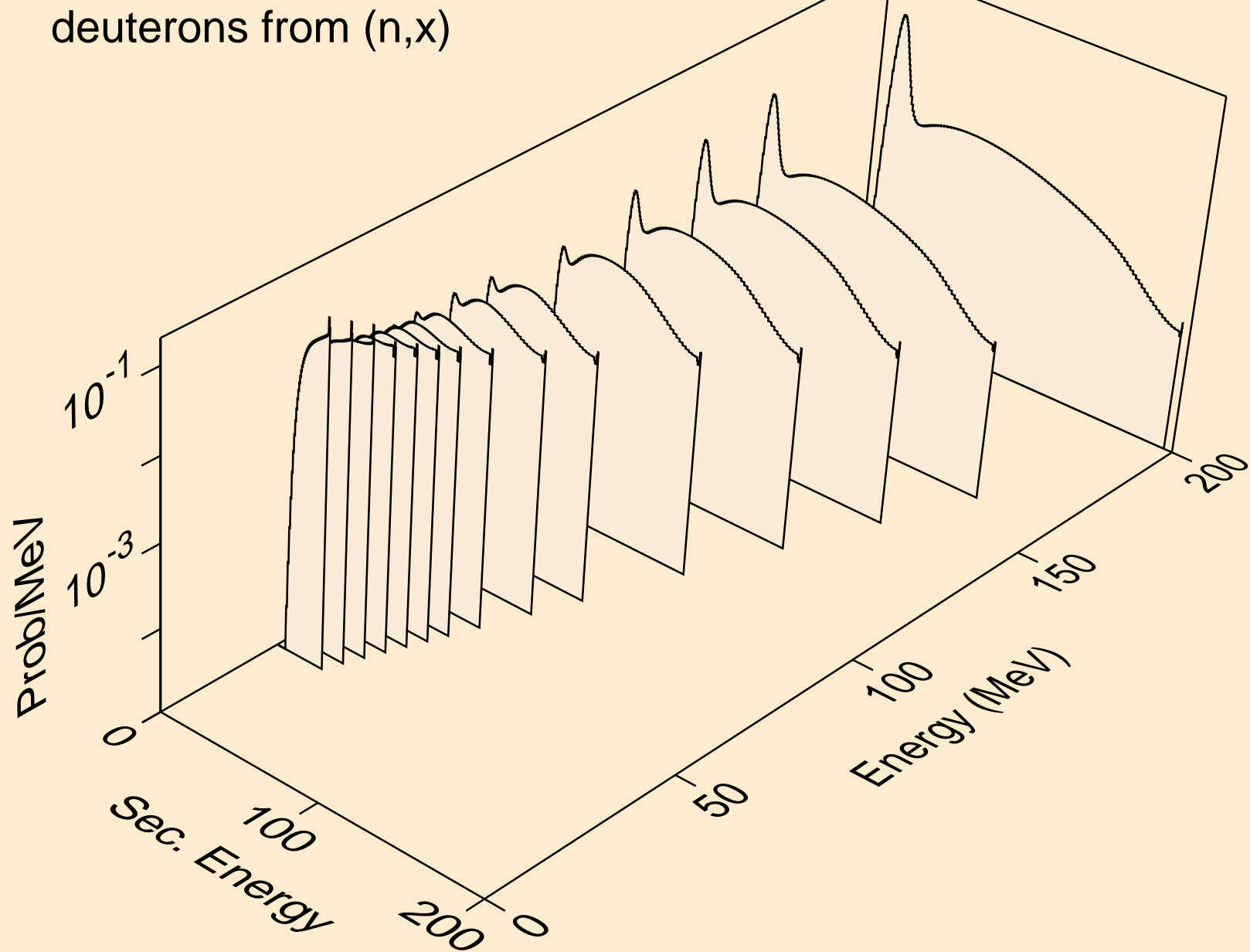
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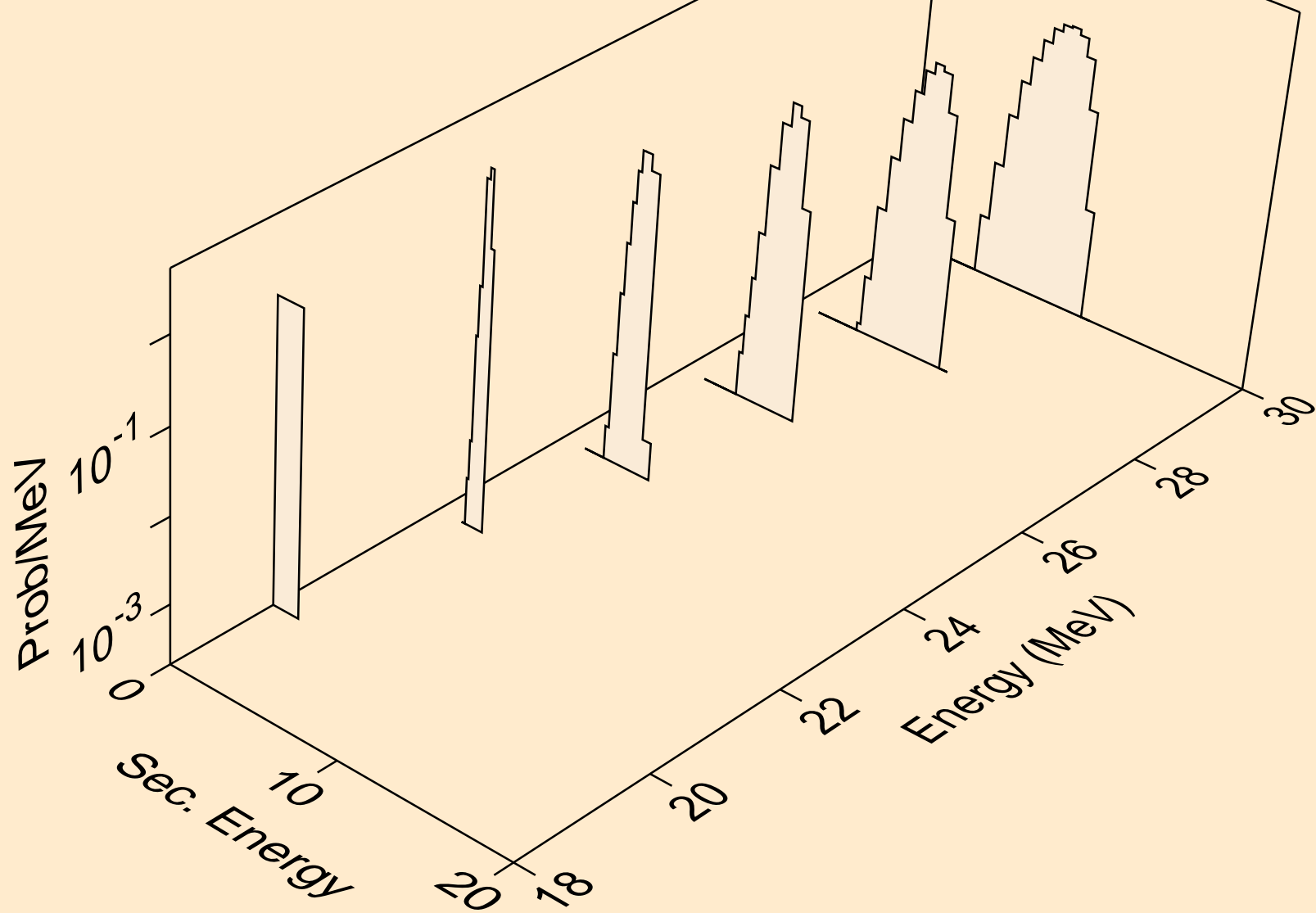
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protons from (n,pt)



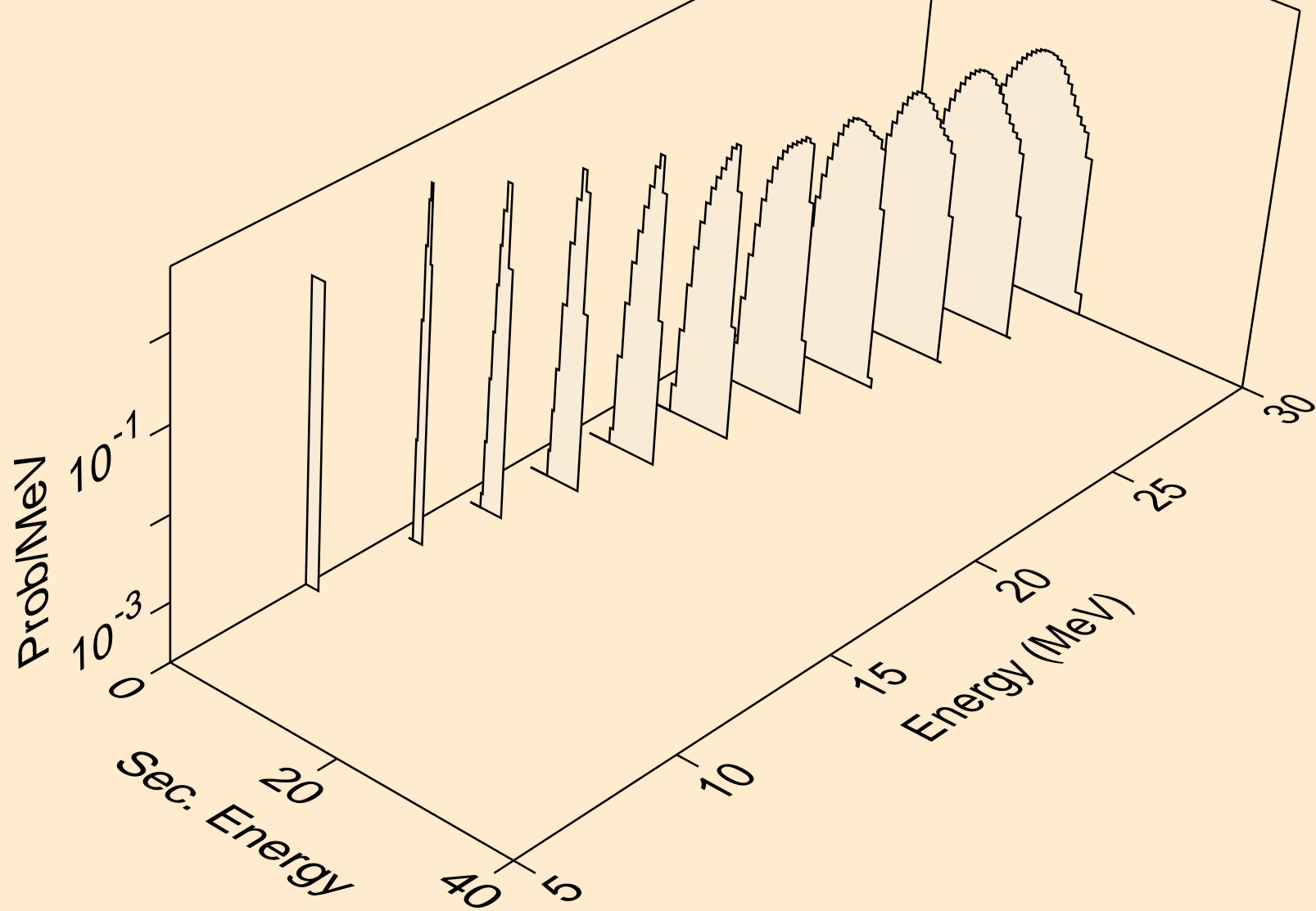
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deuterons from (n,x)



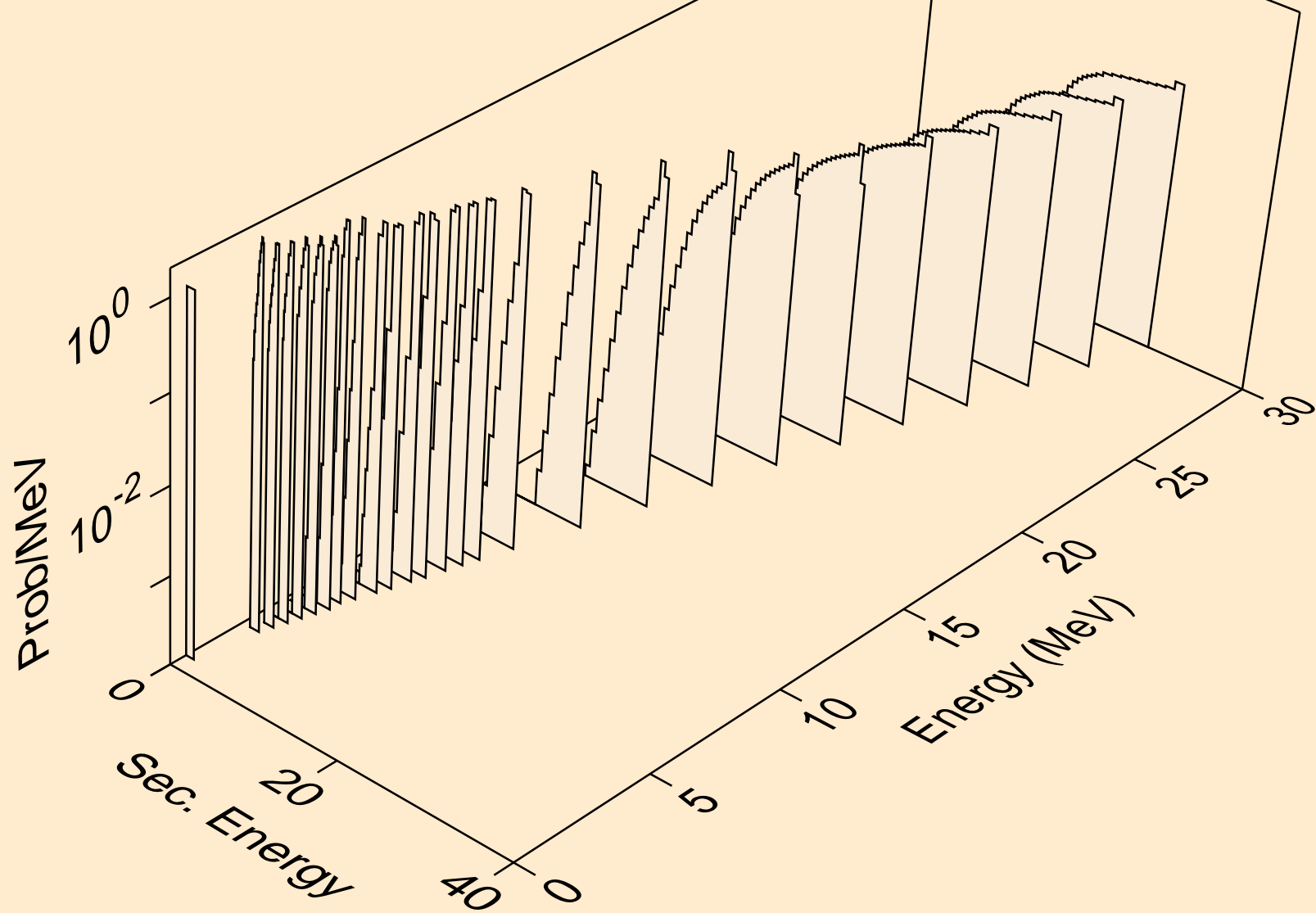
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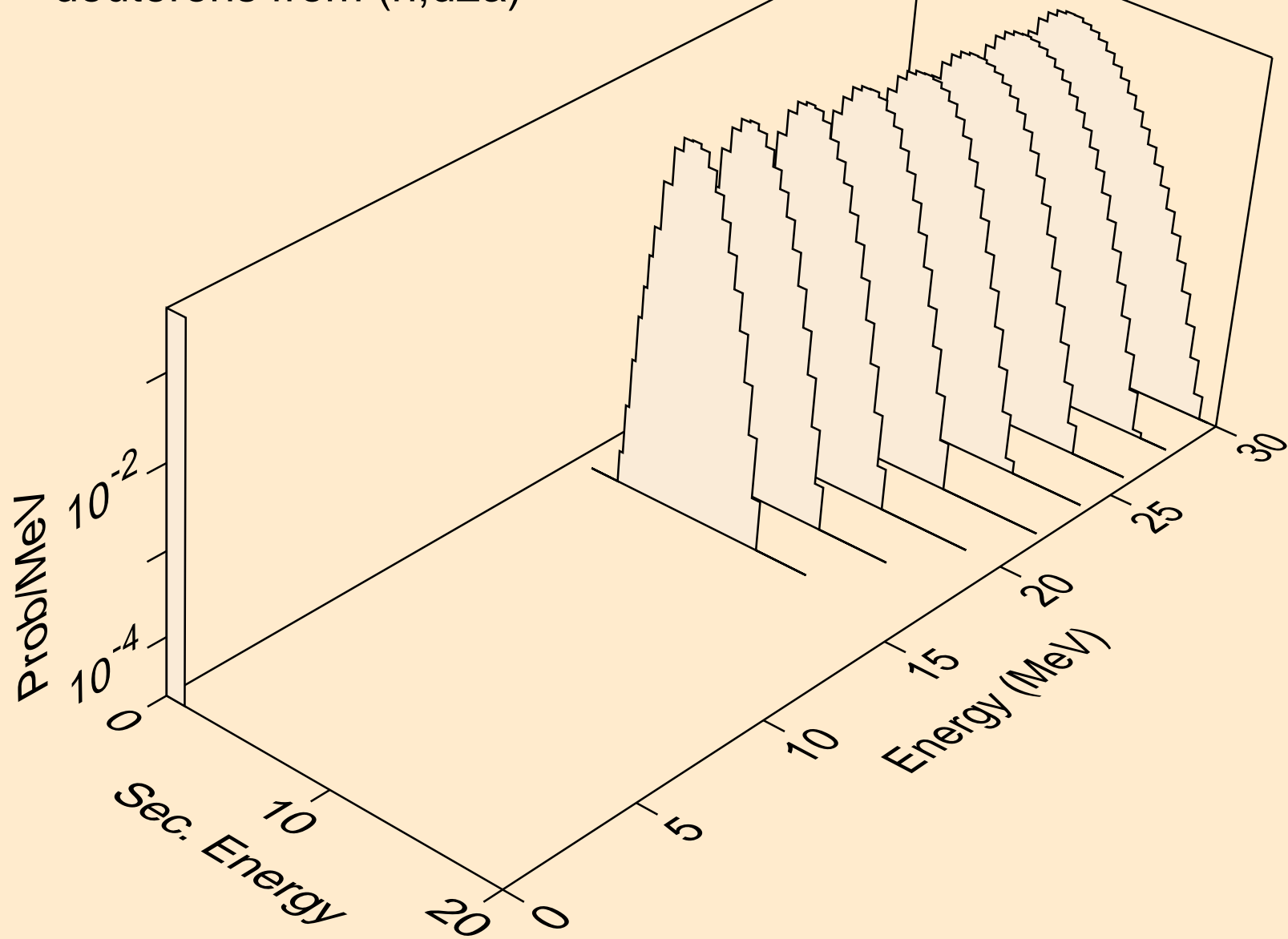
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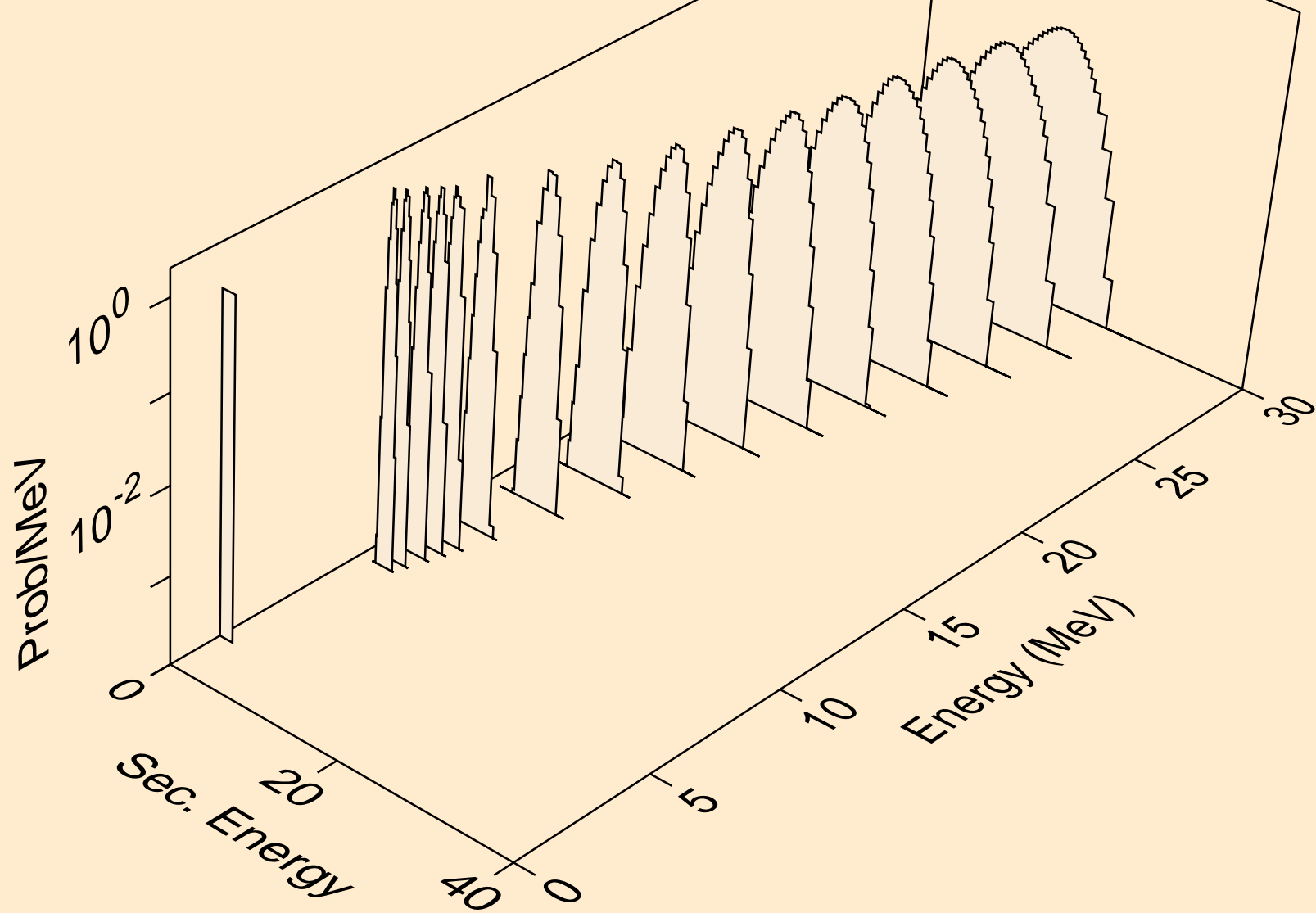
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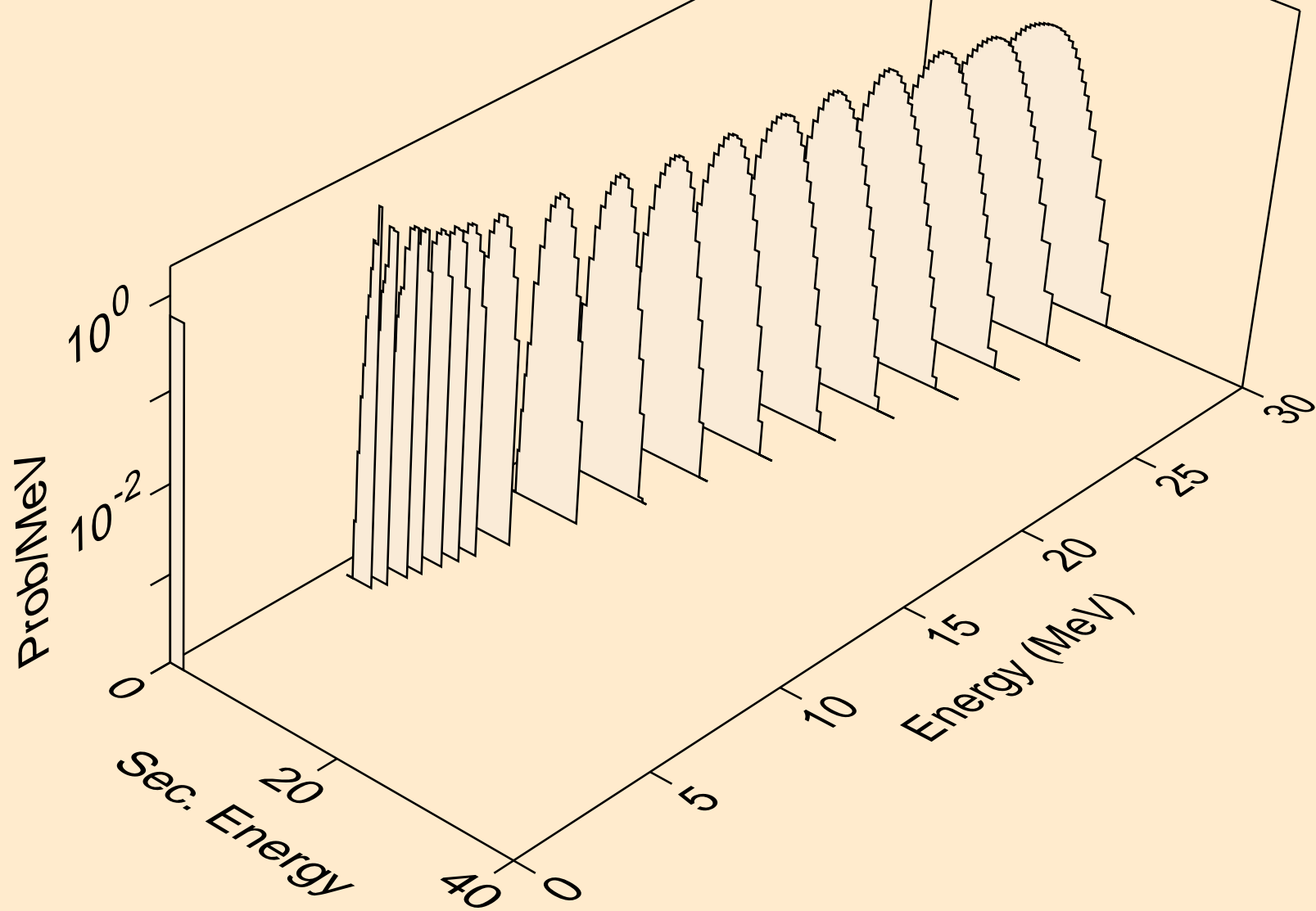
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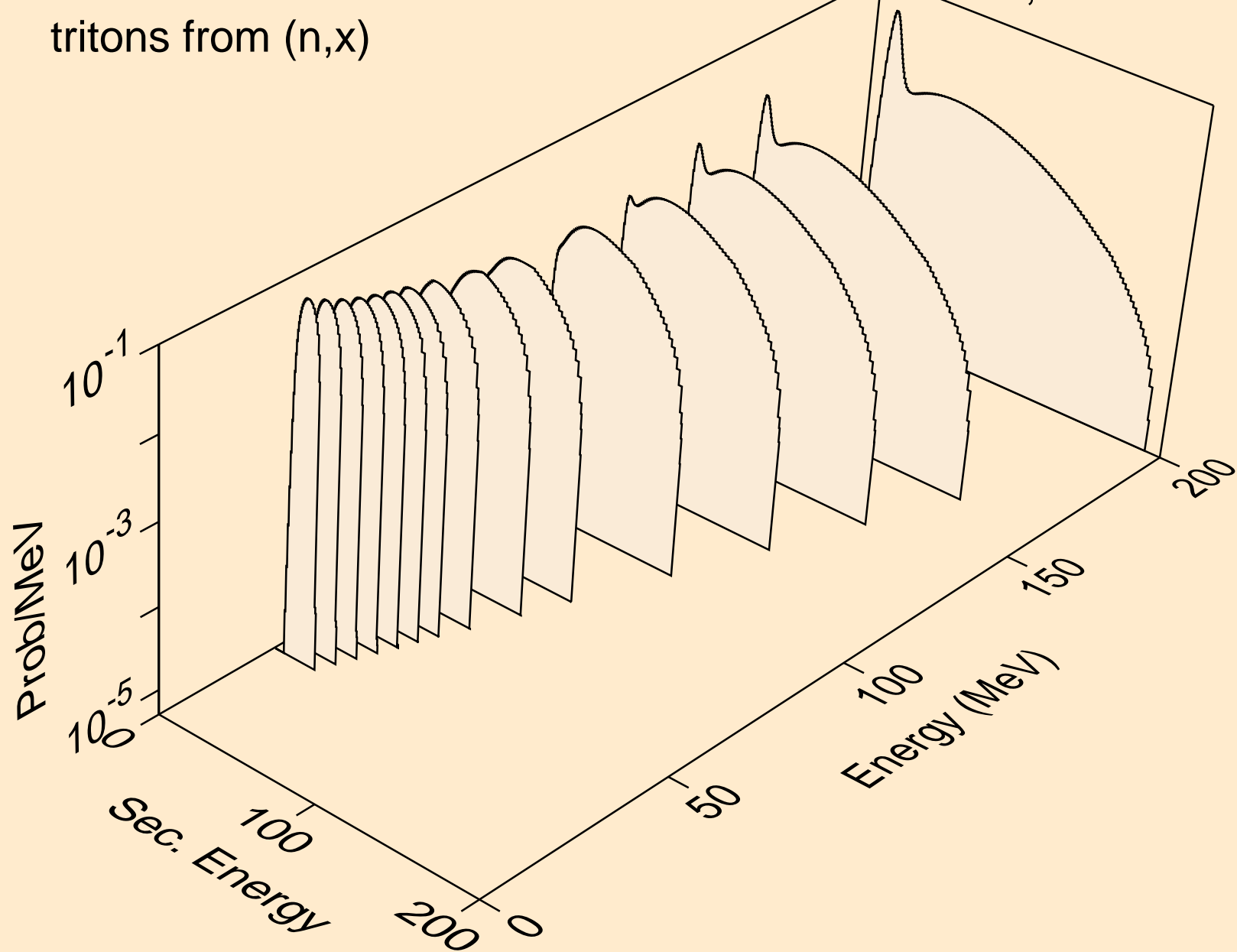
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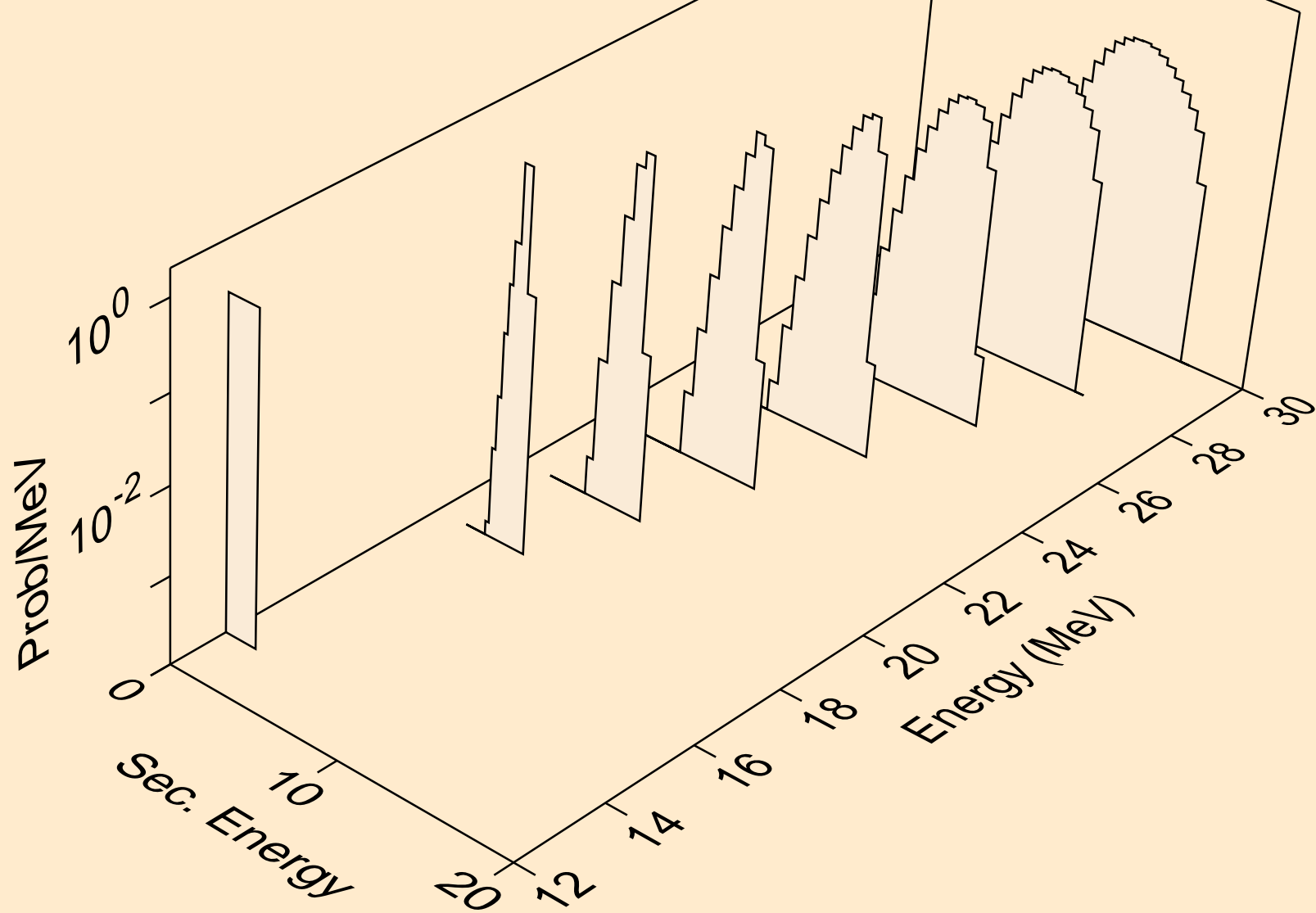
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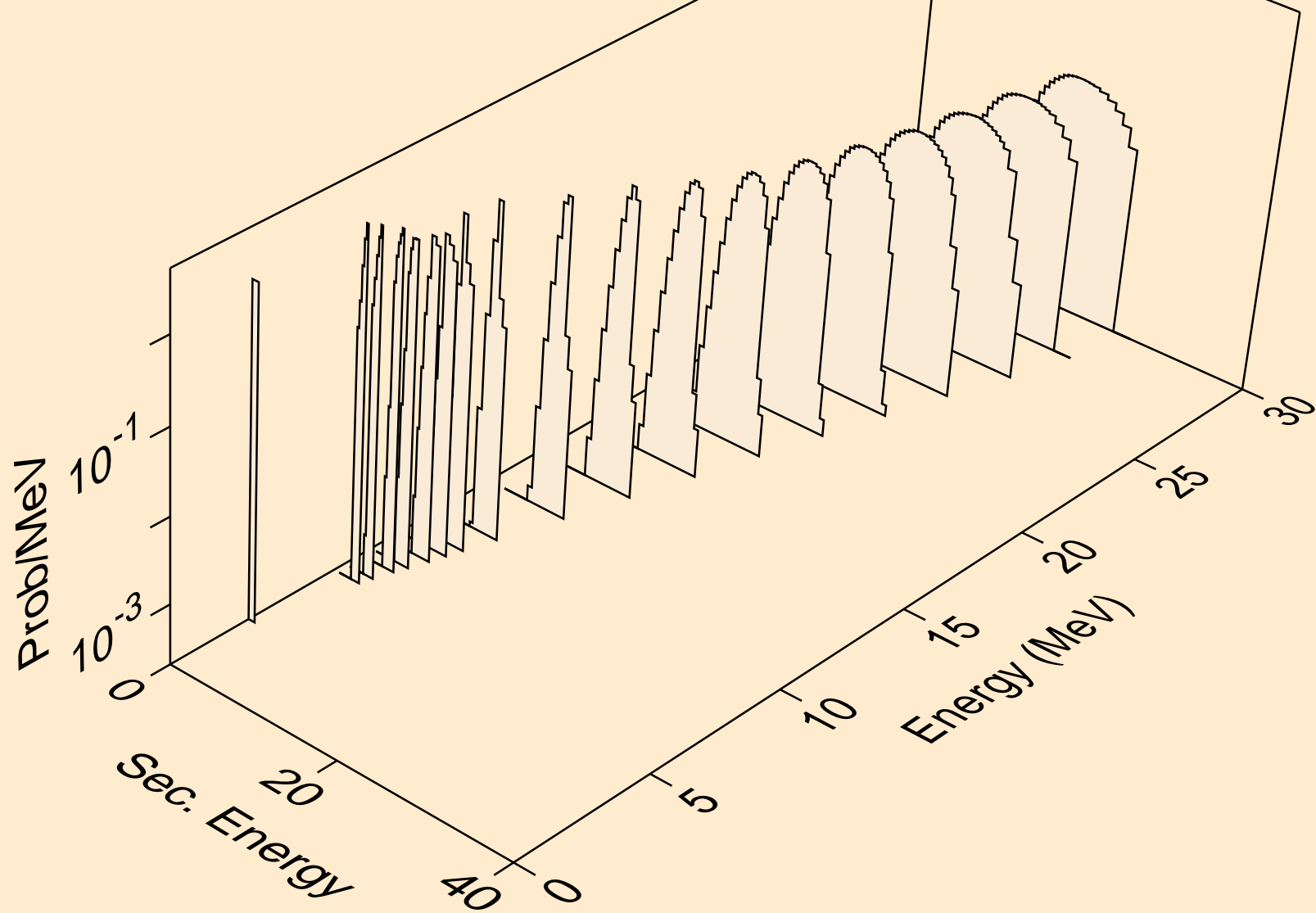
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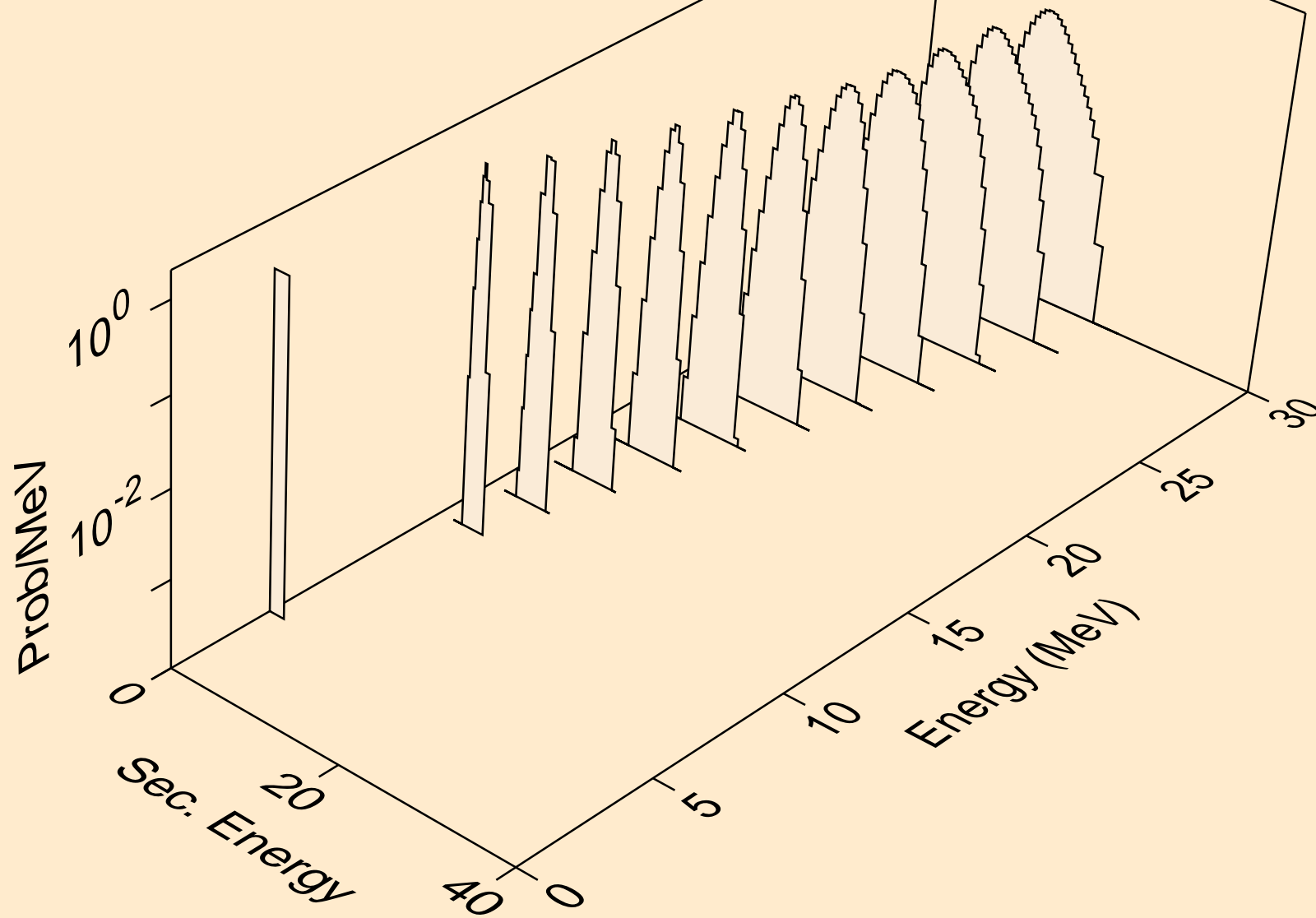
HG183 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
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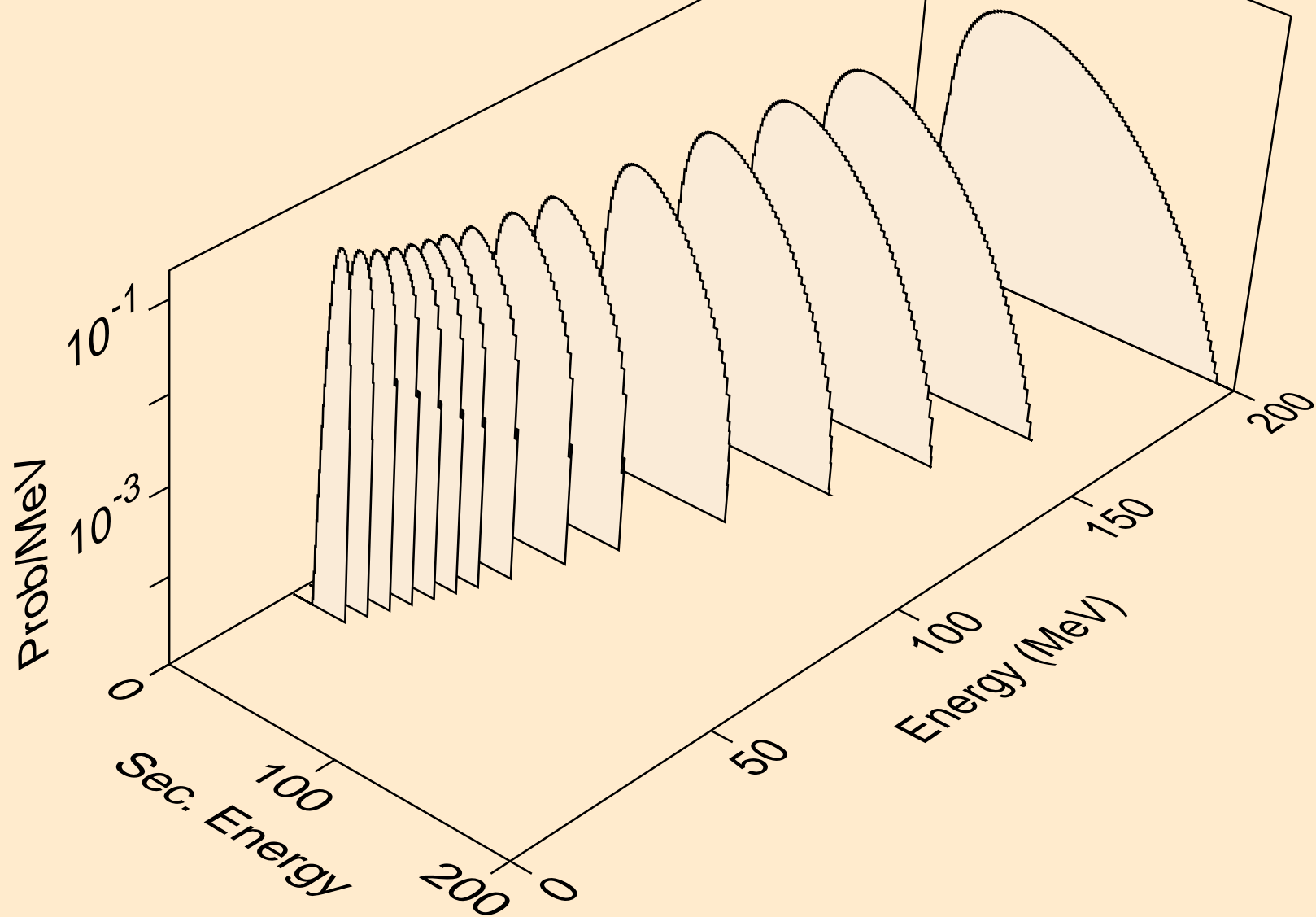
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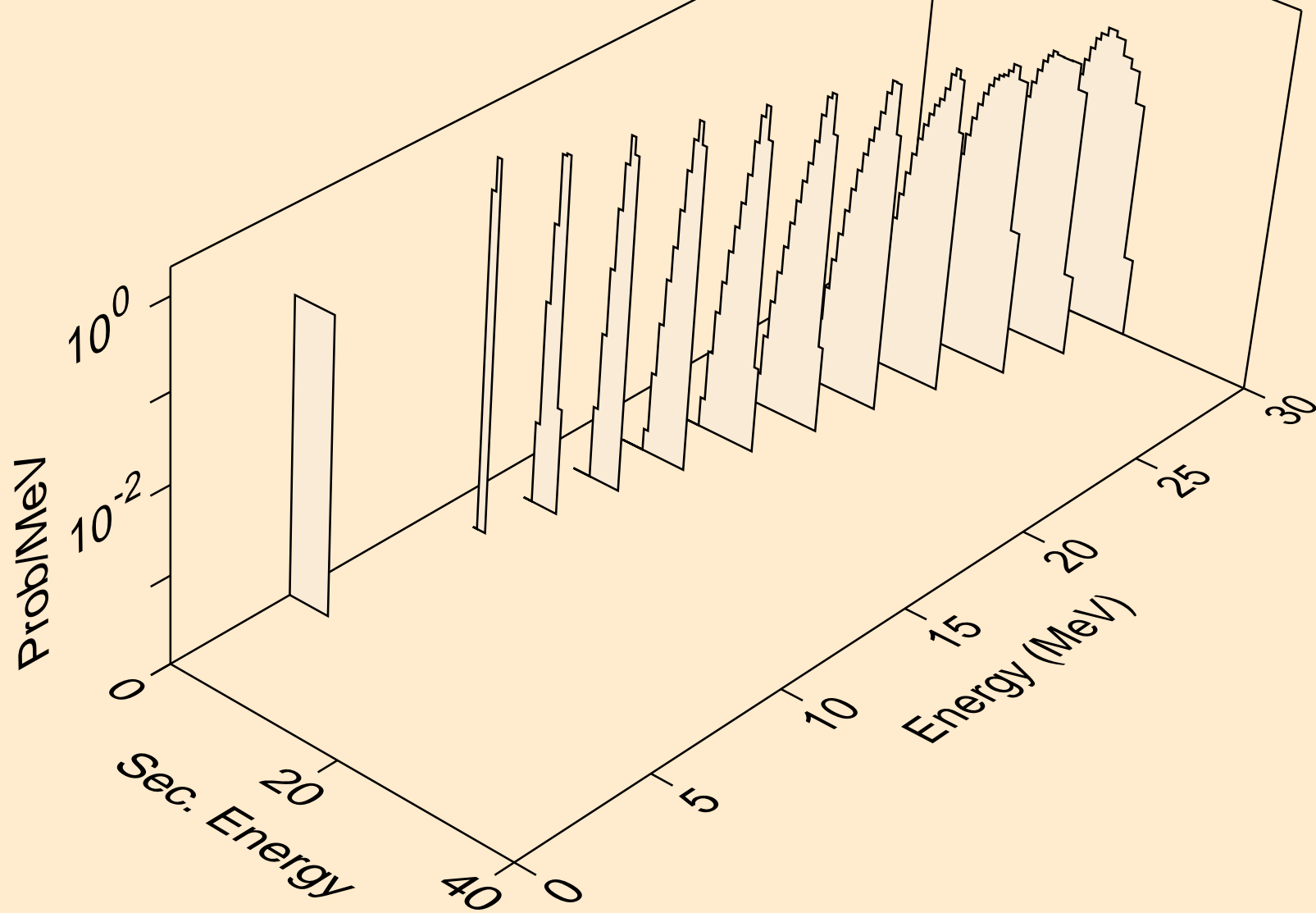
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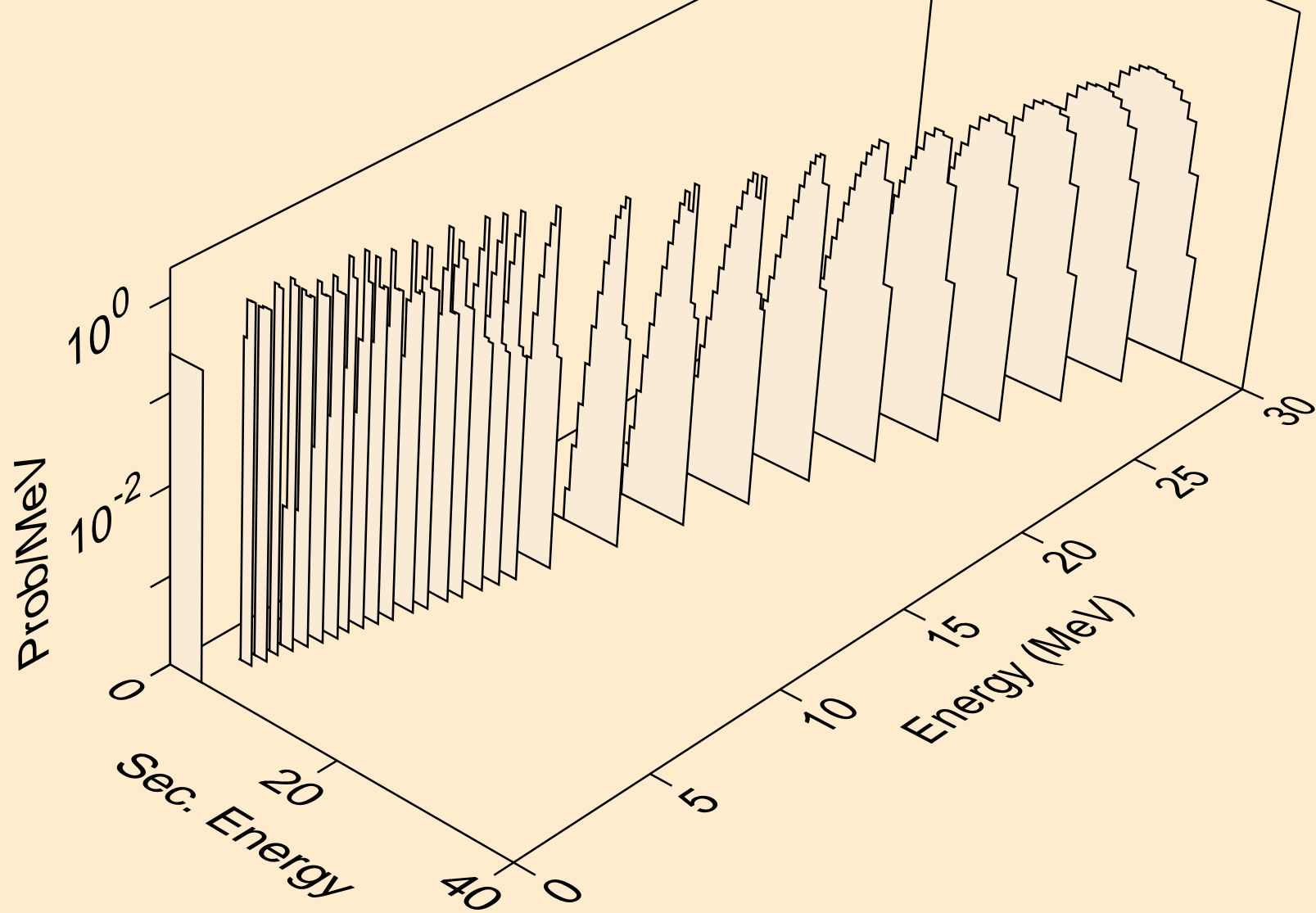
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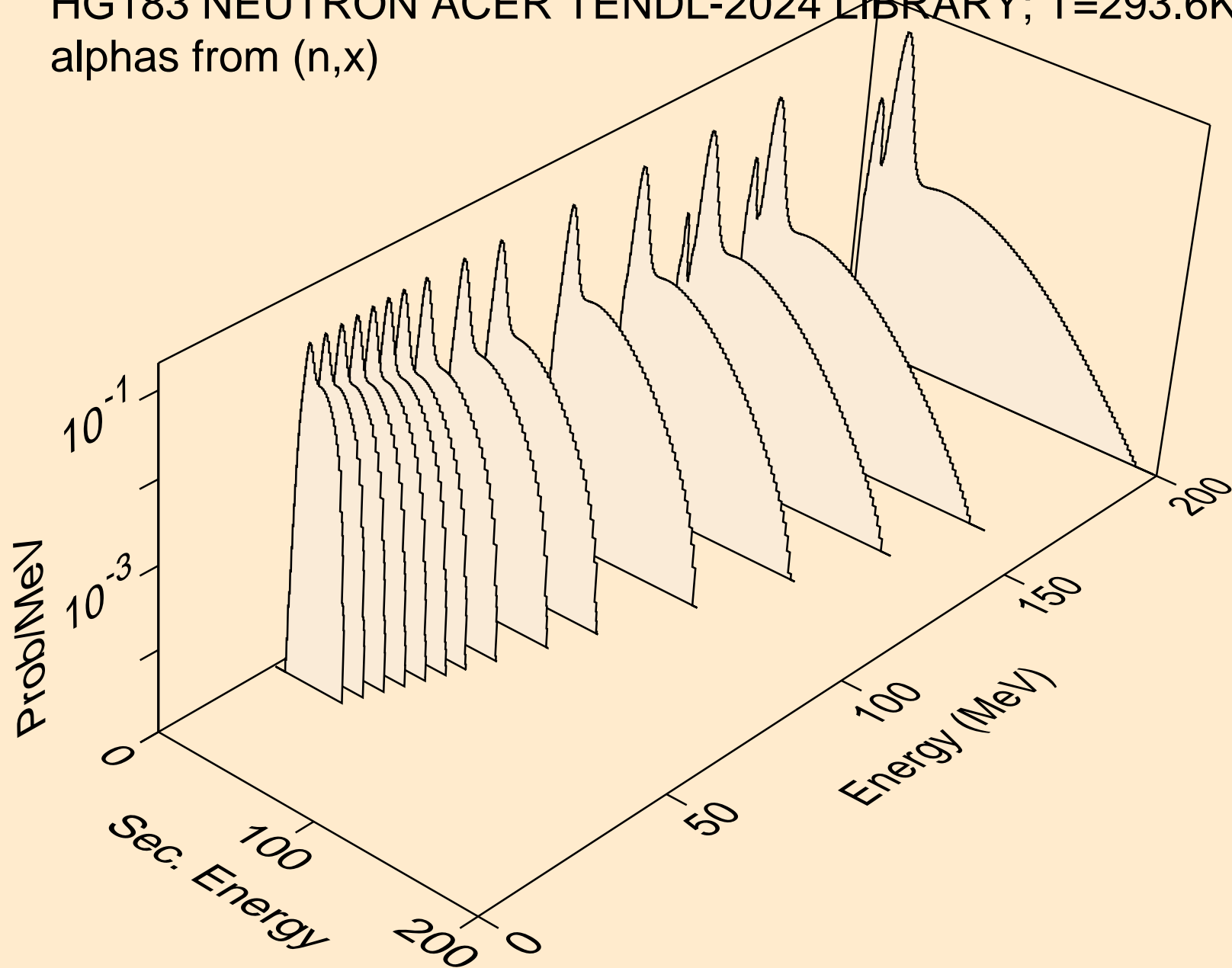
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he3s from (n,n\*)he3



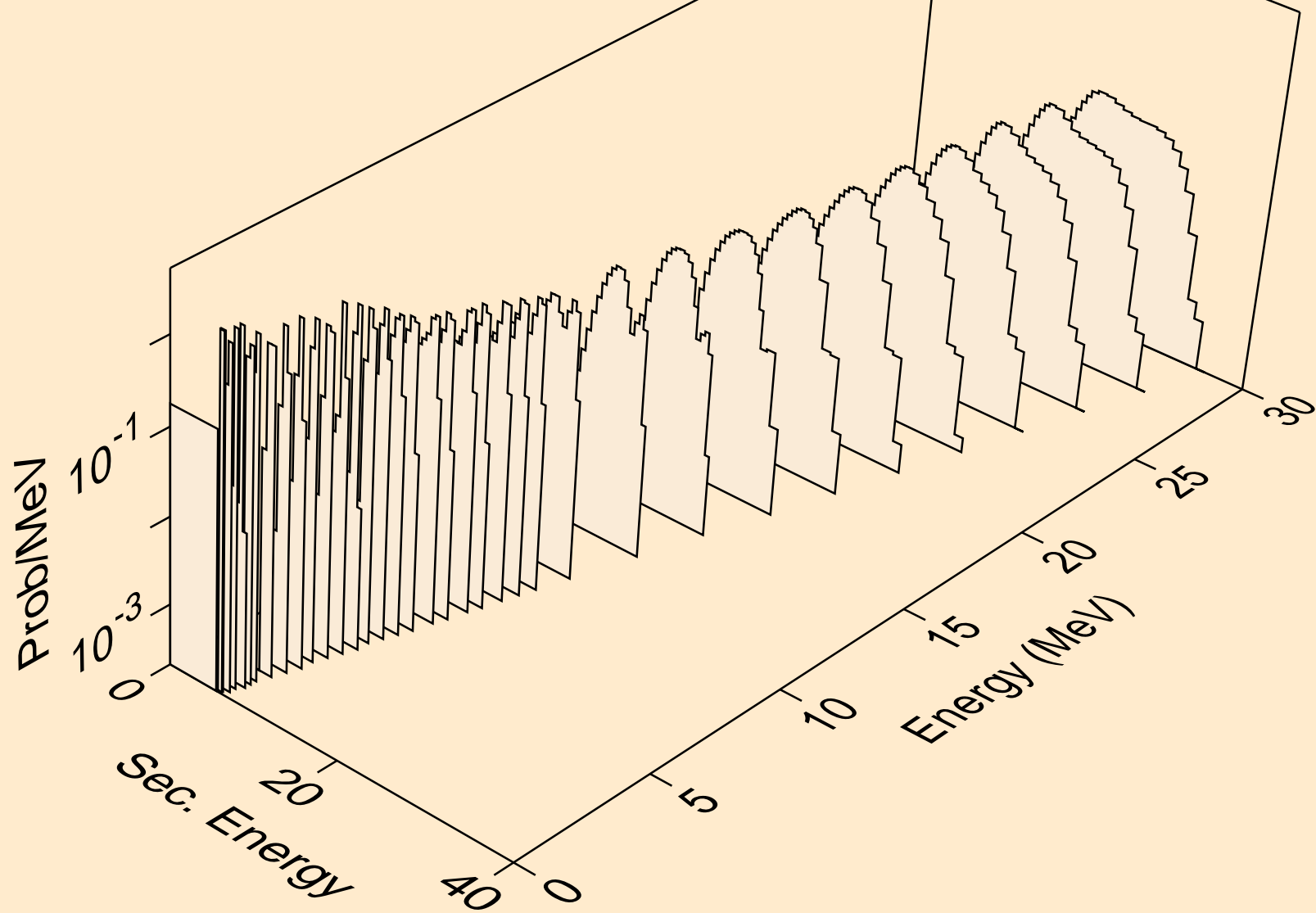
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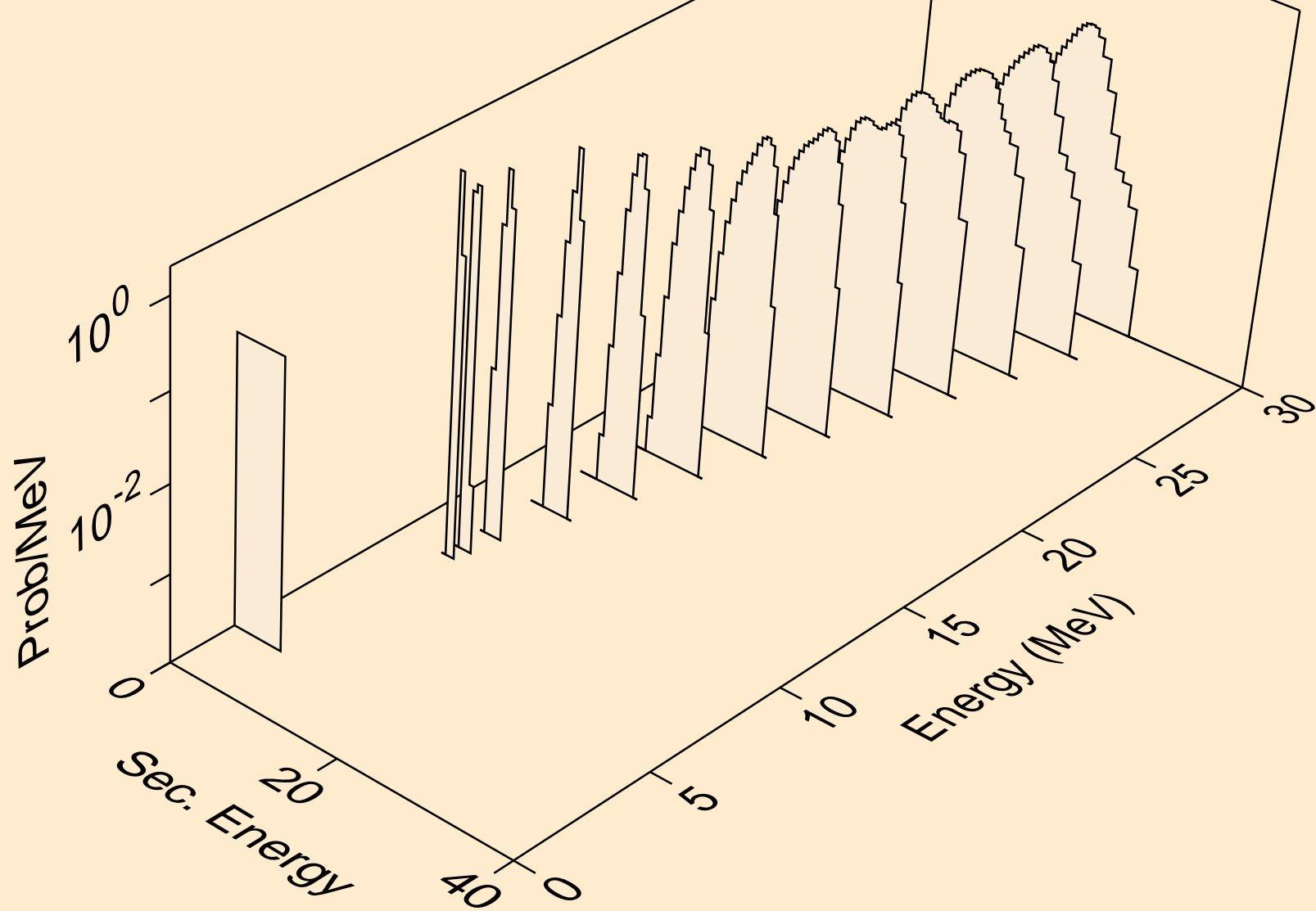
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alphas from (n,x)



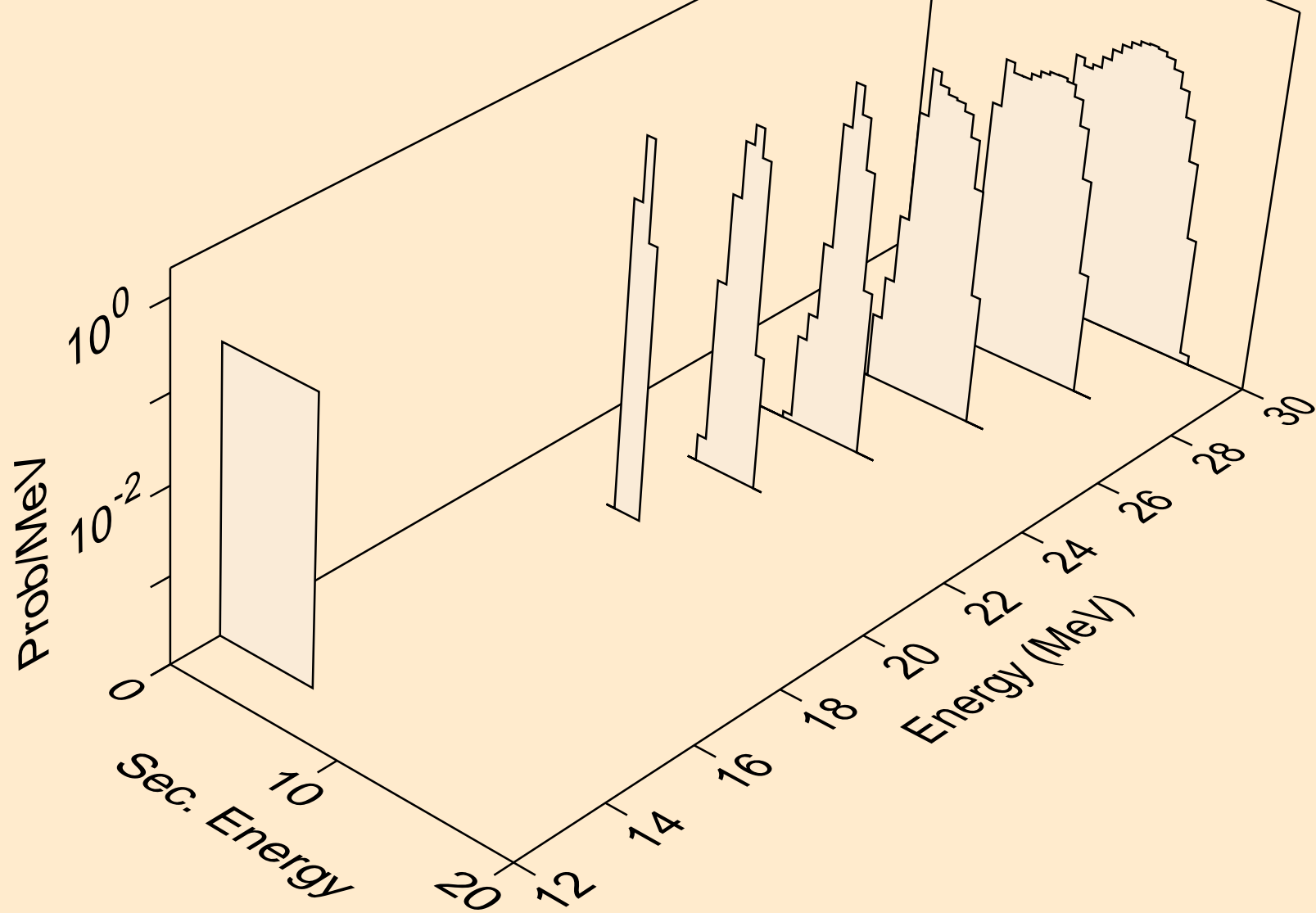
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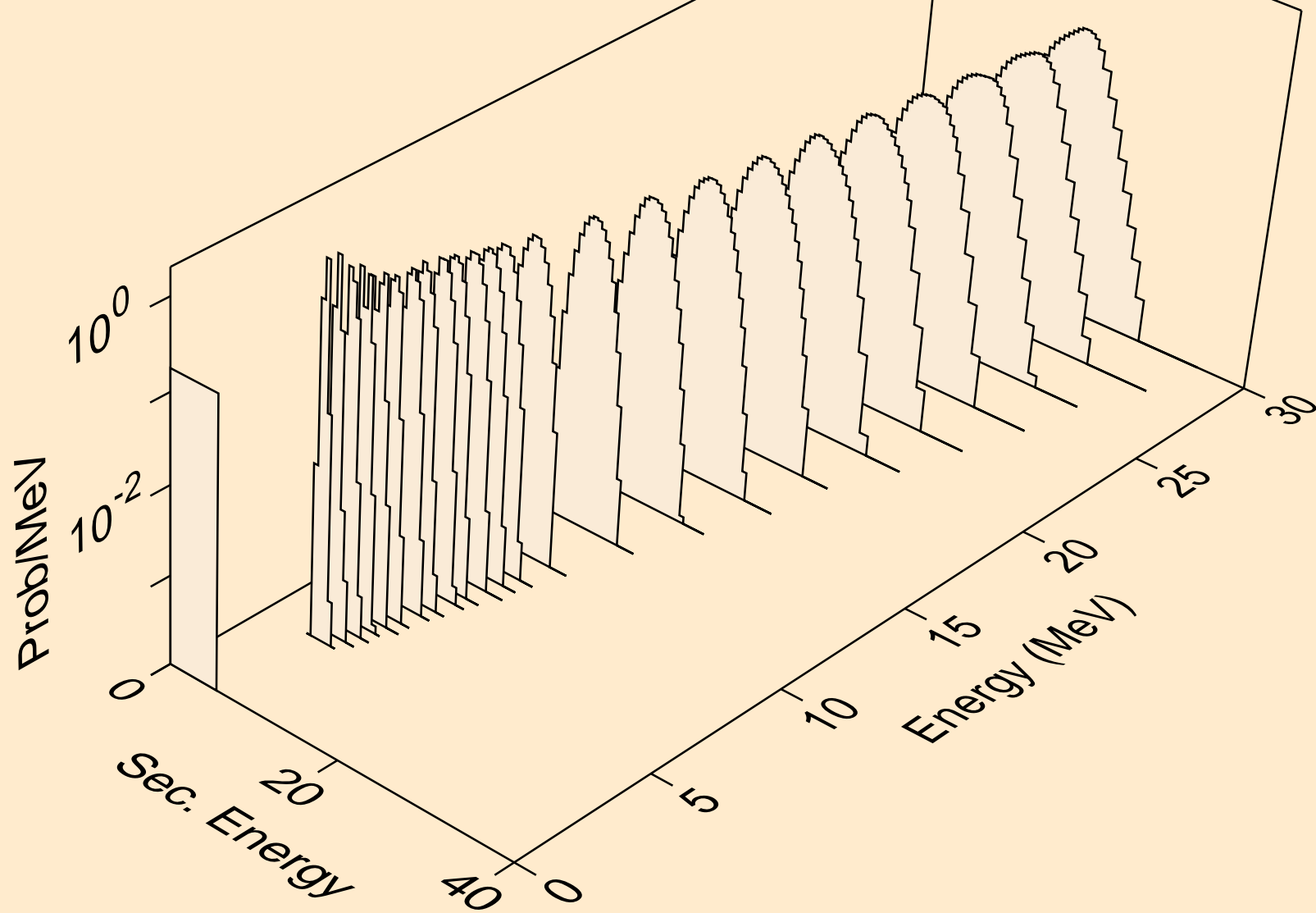
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alphas from (n,2n)a



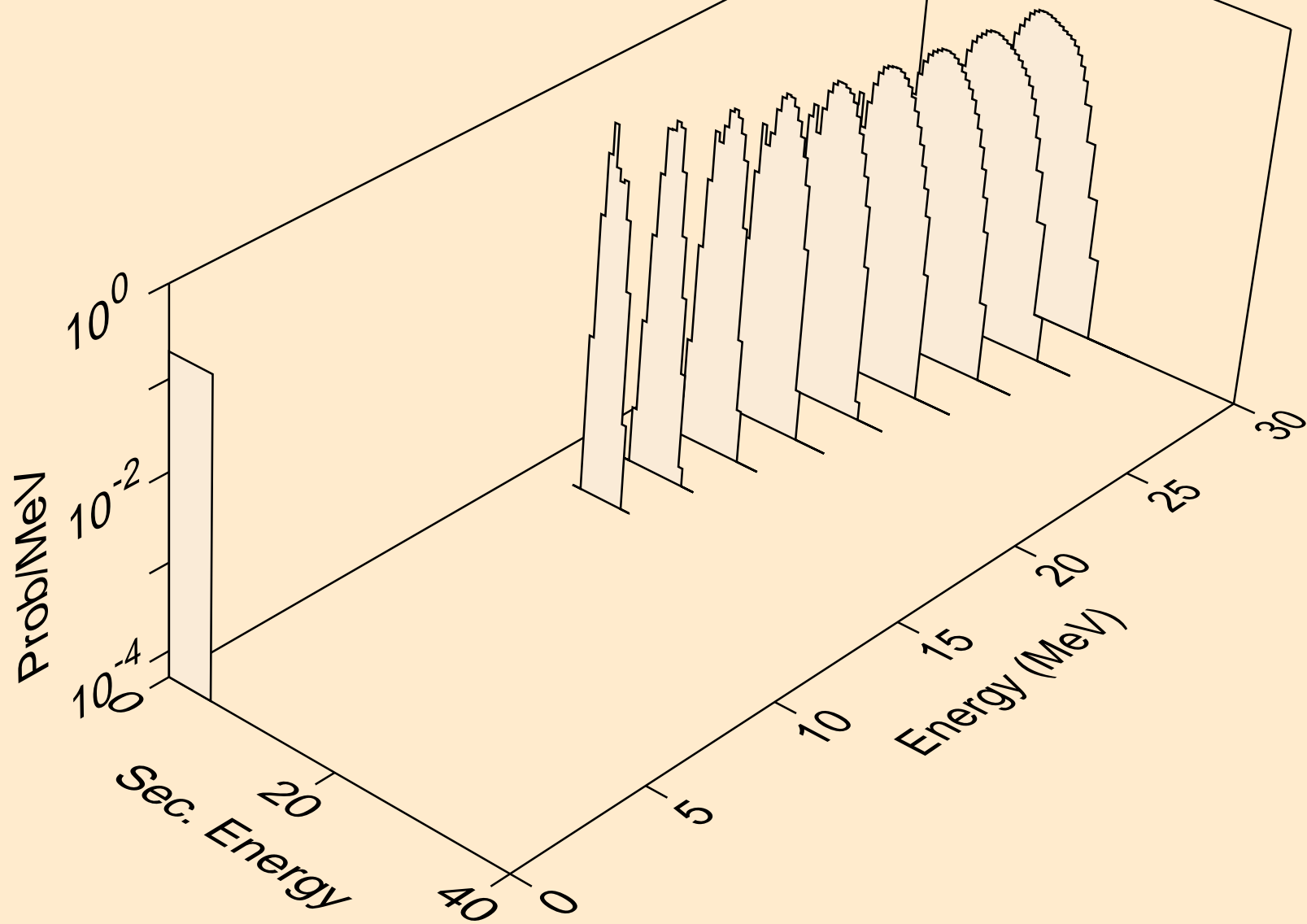
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alphas from (n,3n)a



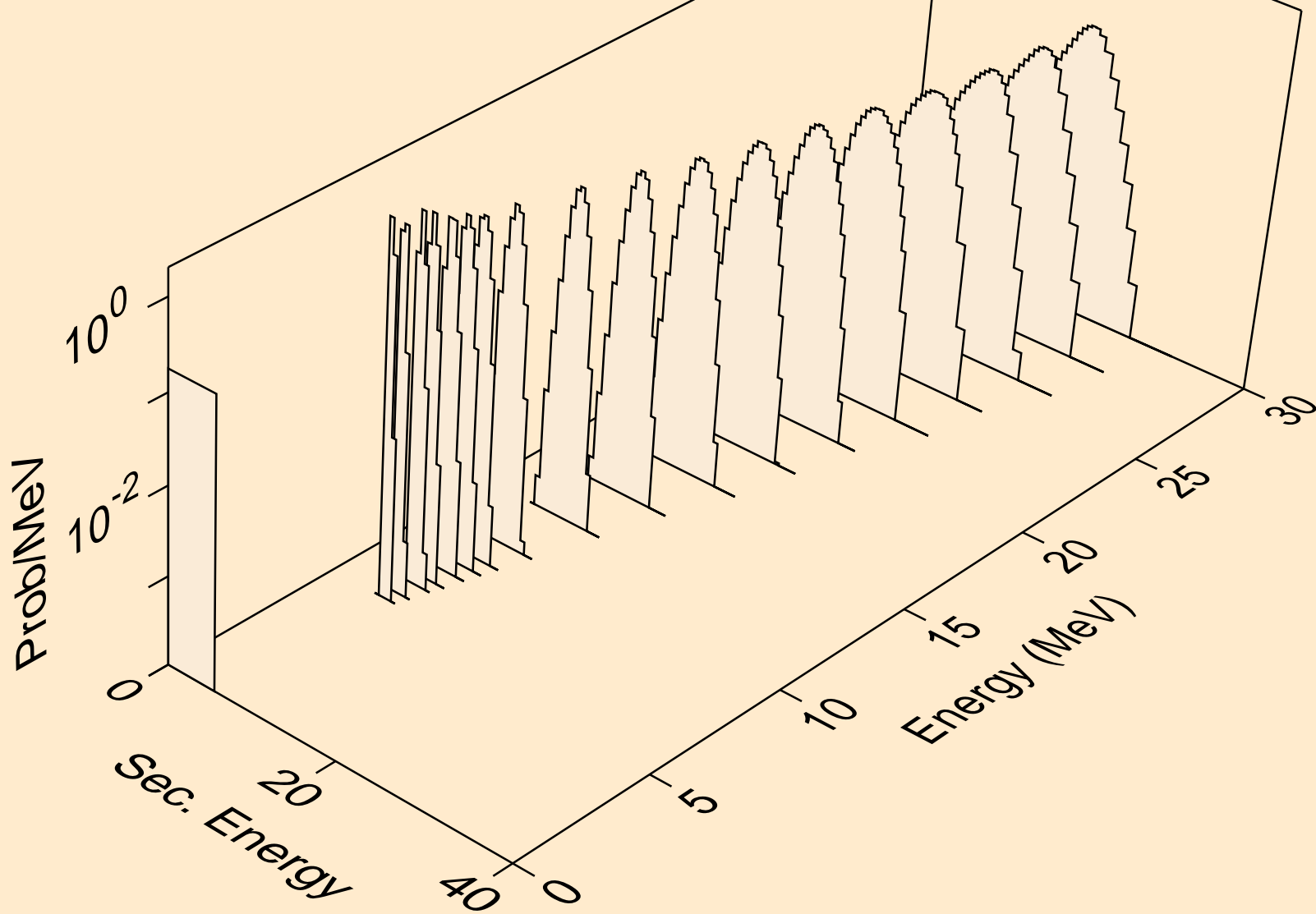
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alphas from (n,n\*)2a



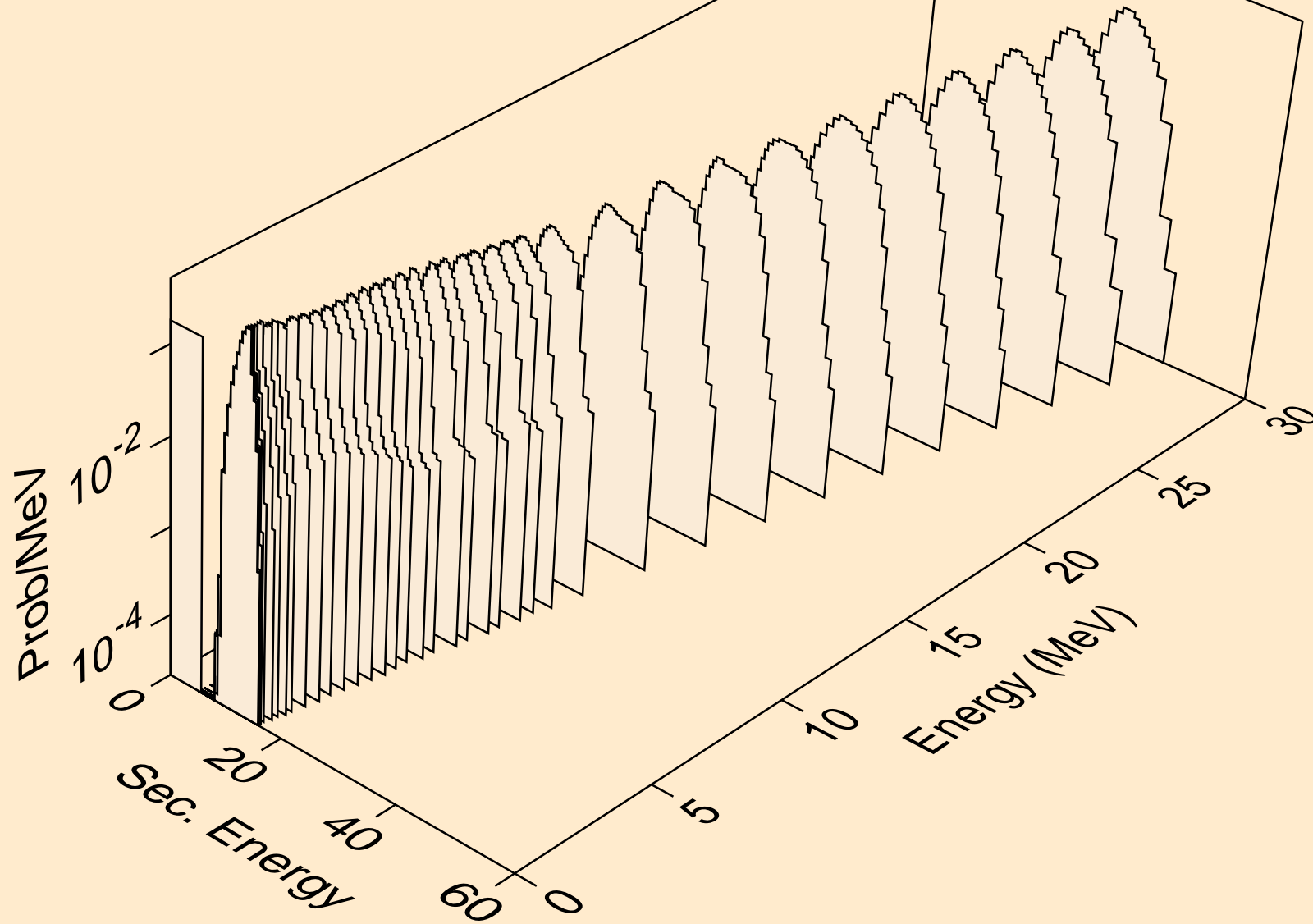
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alphas from (n,2n)2a



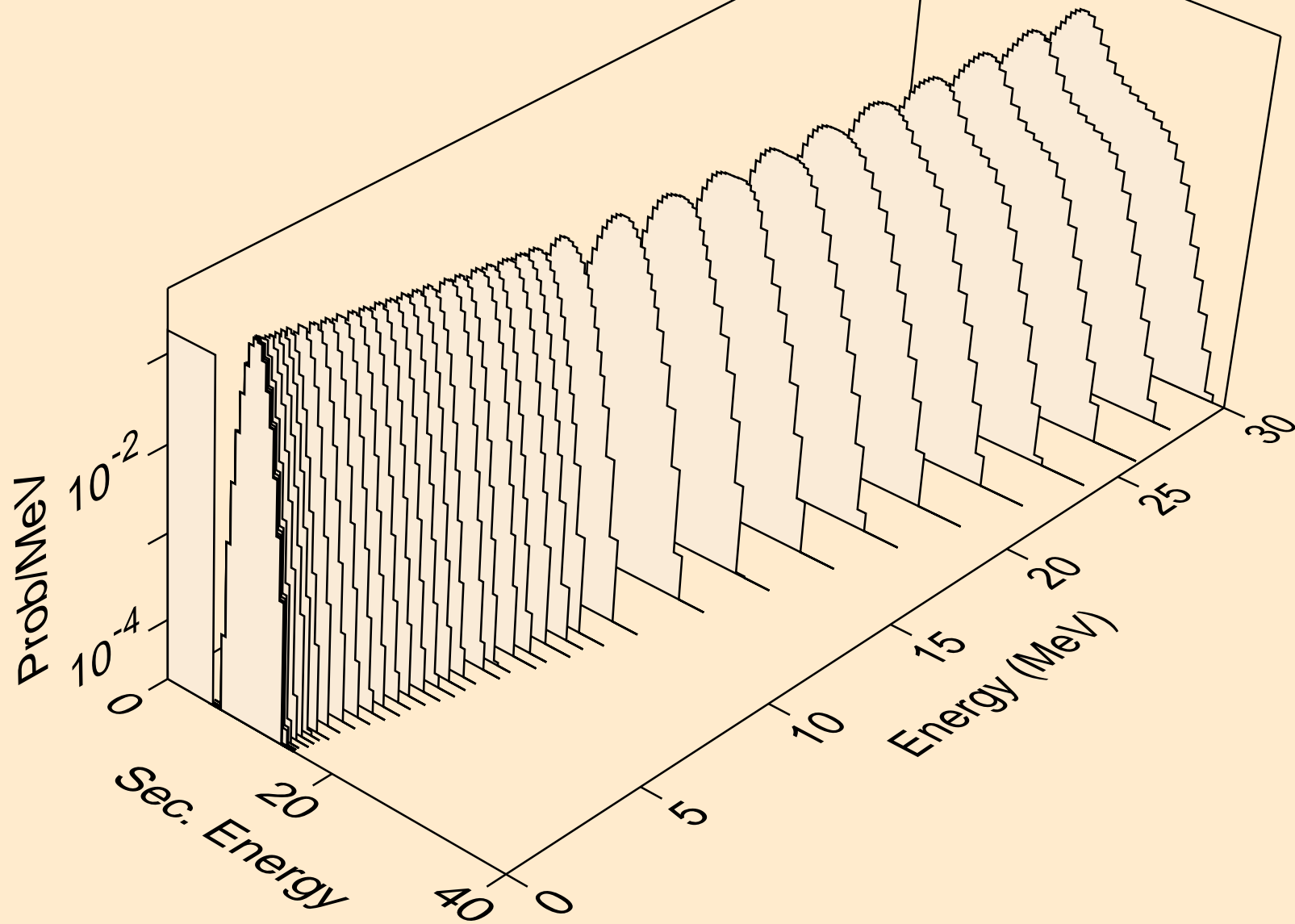
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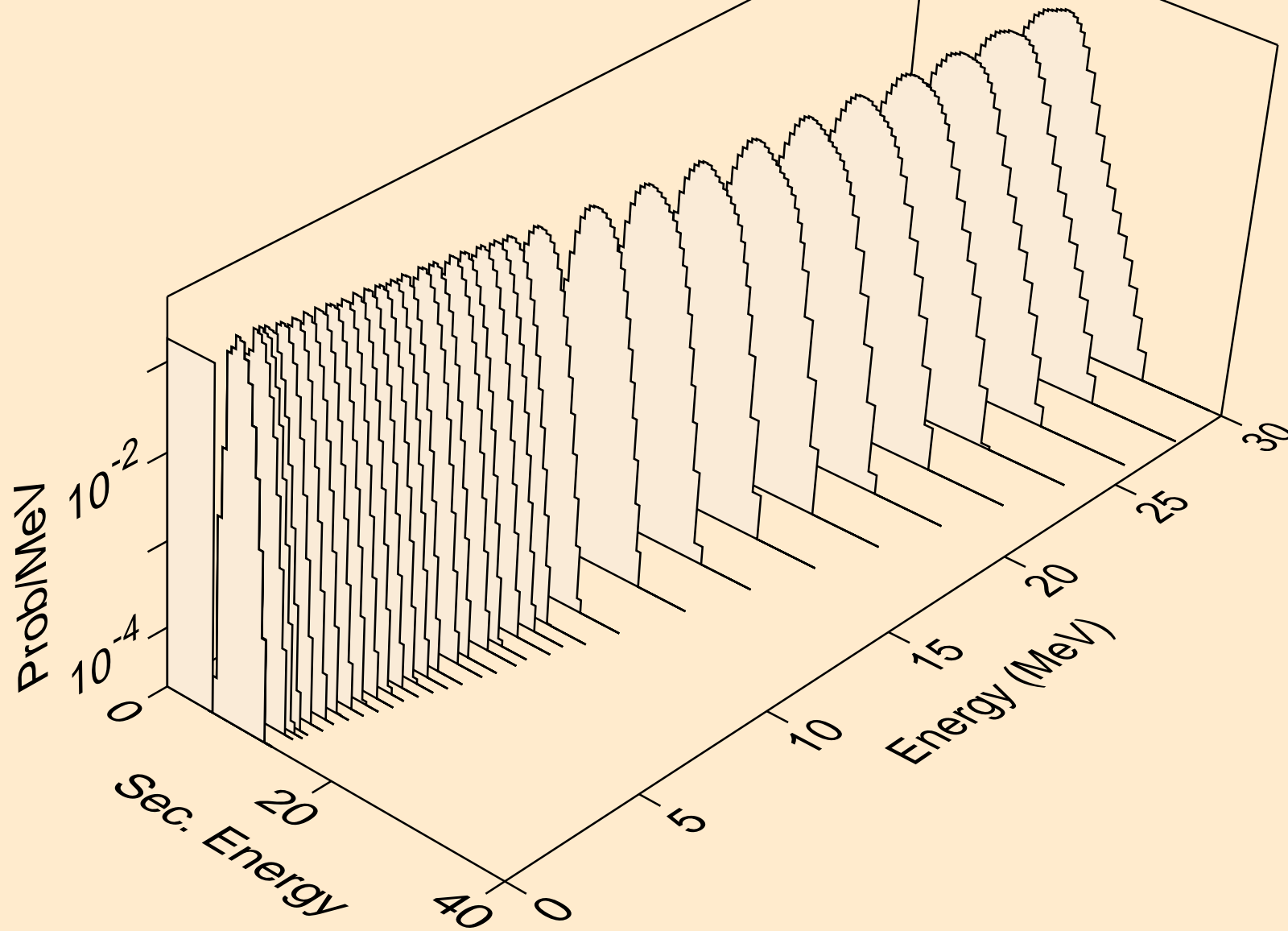
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alphas from (n,a)



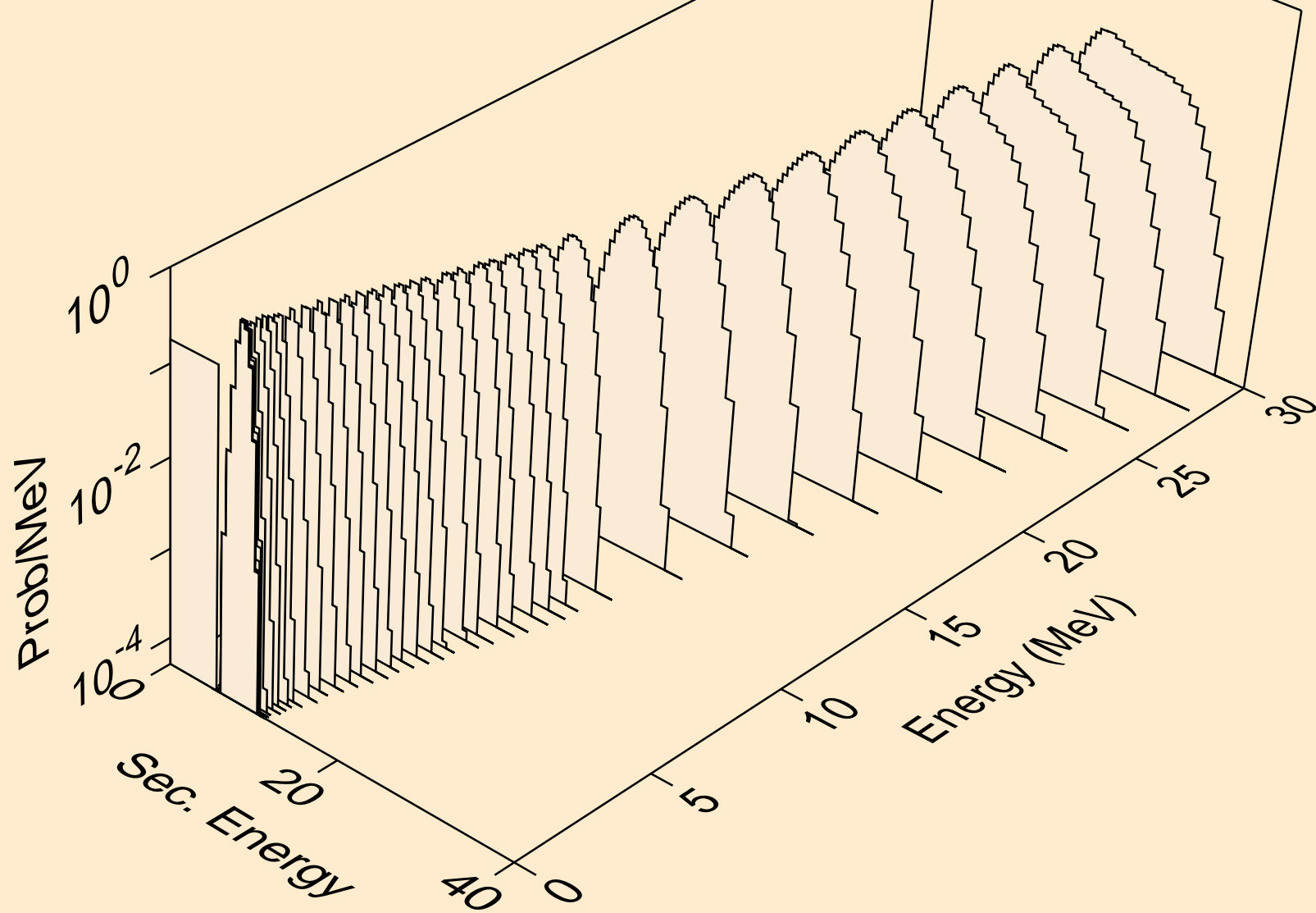
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alphas from (n,2a)



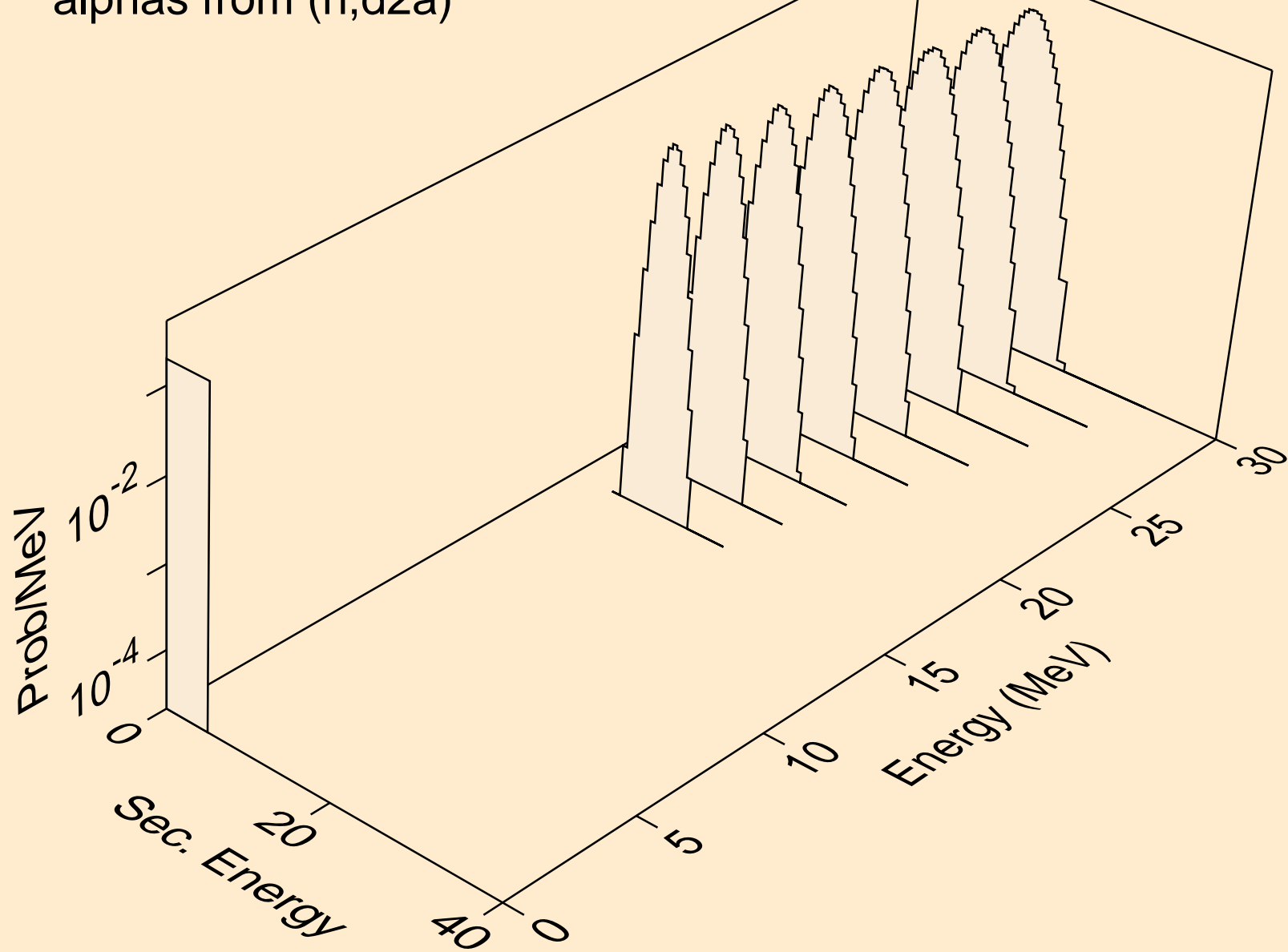
HG183 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,3a)



HG183 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,p)



HG183 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,d2a)



HG183 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,da)

