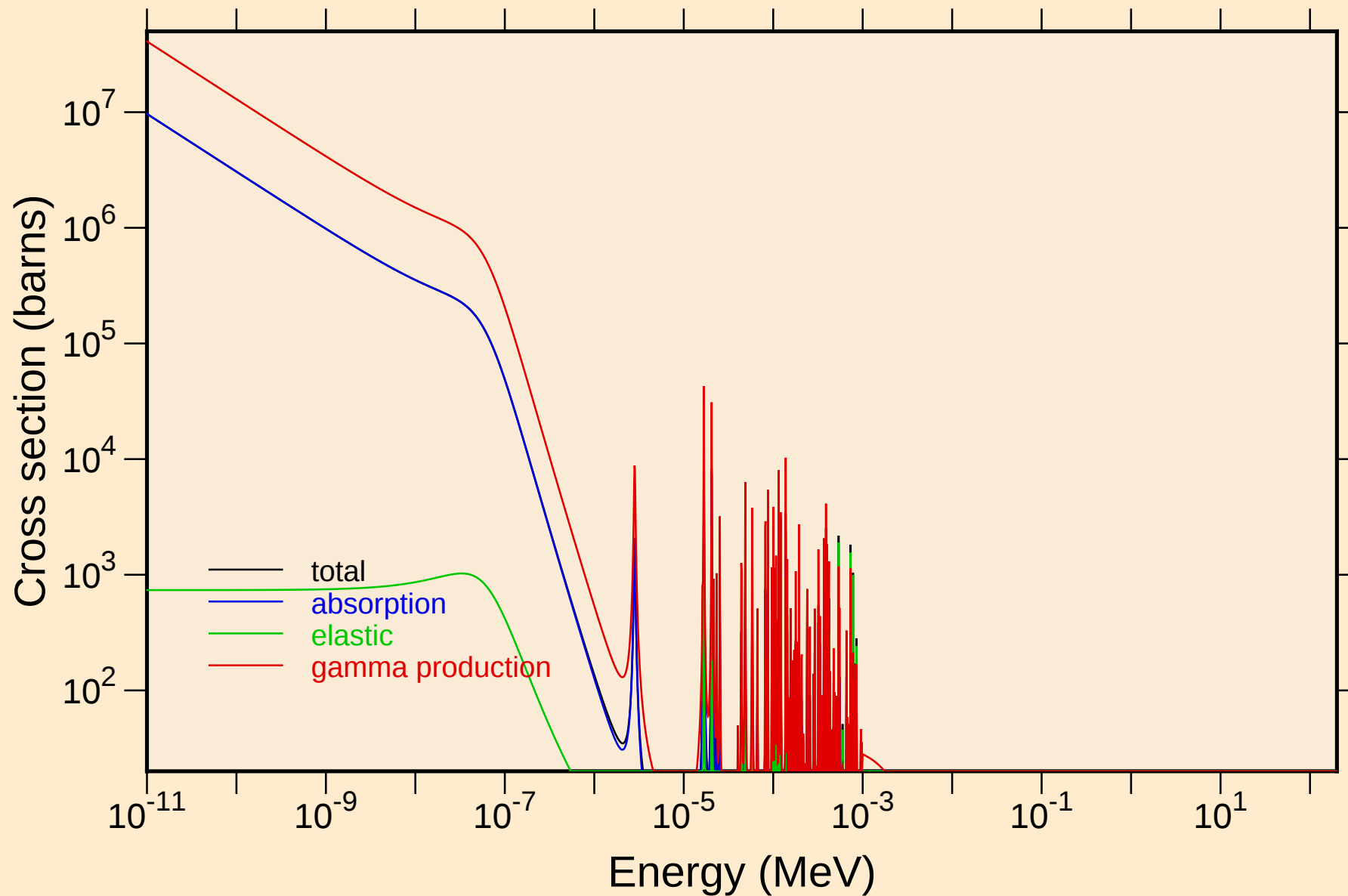
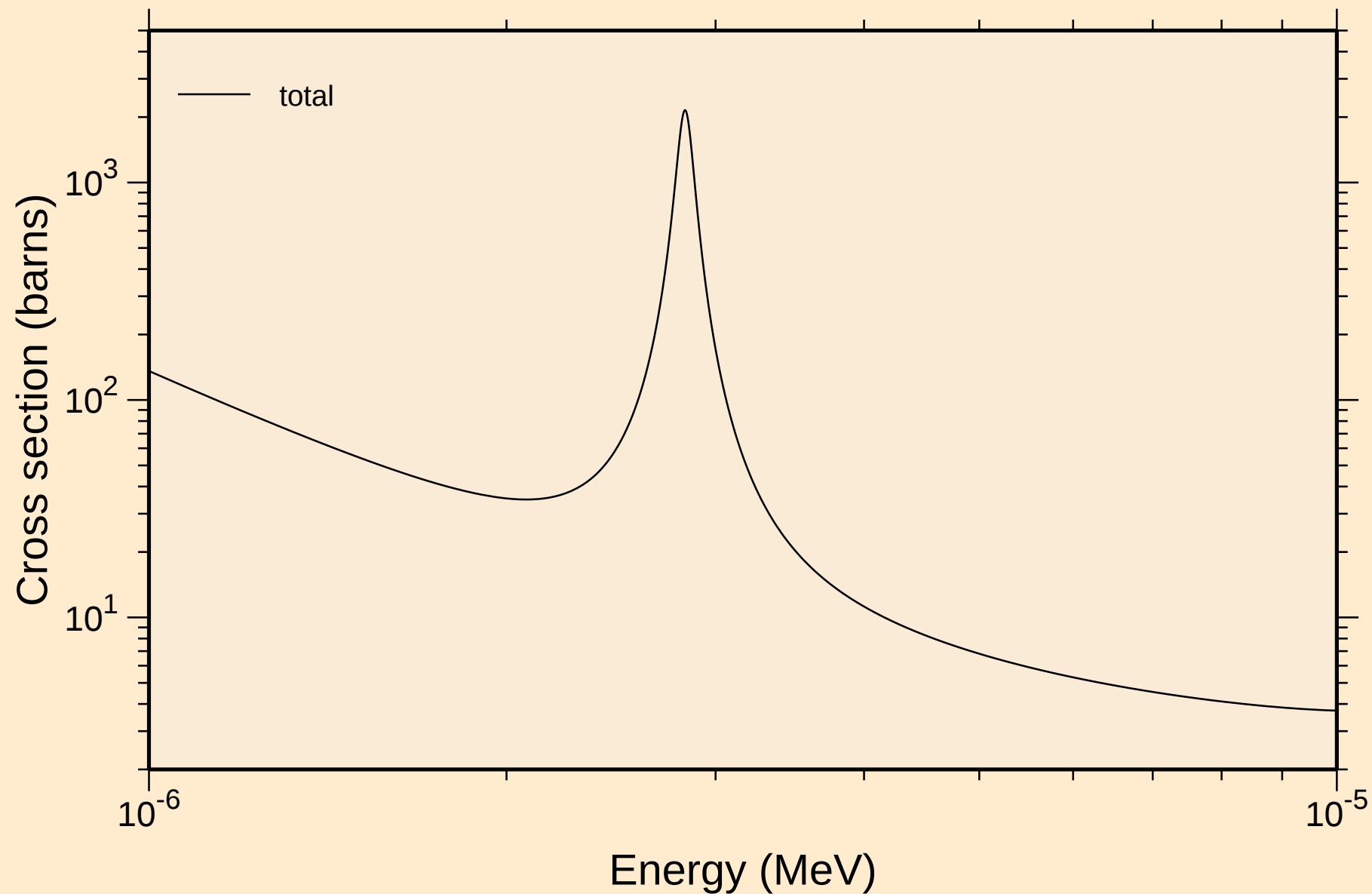


# GD157 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

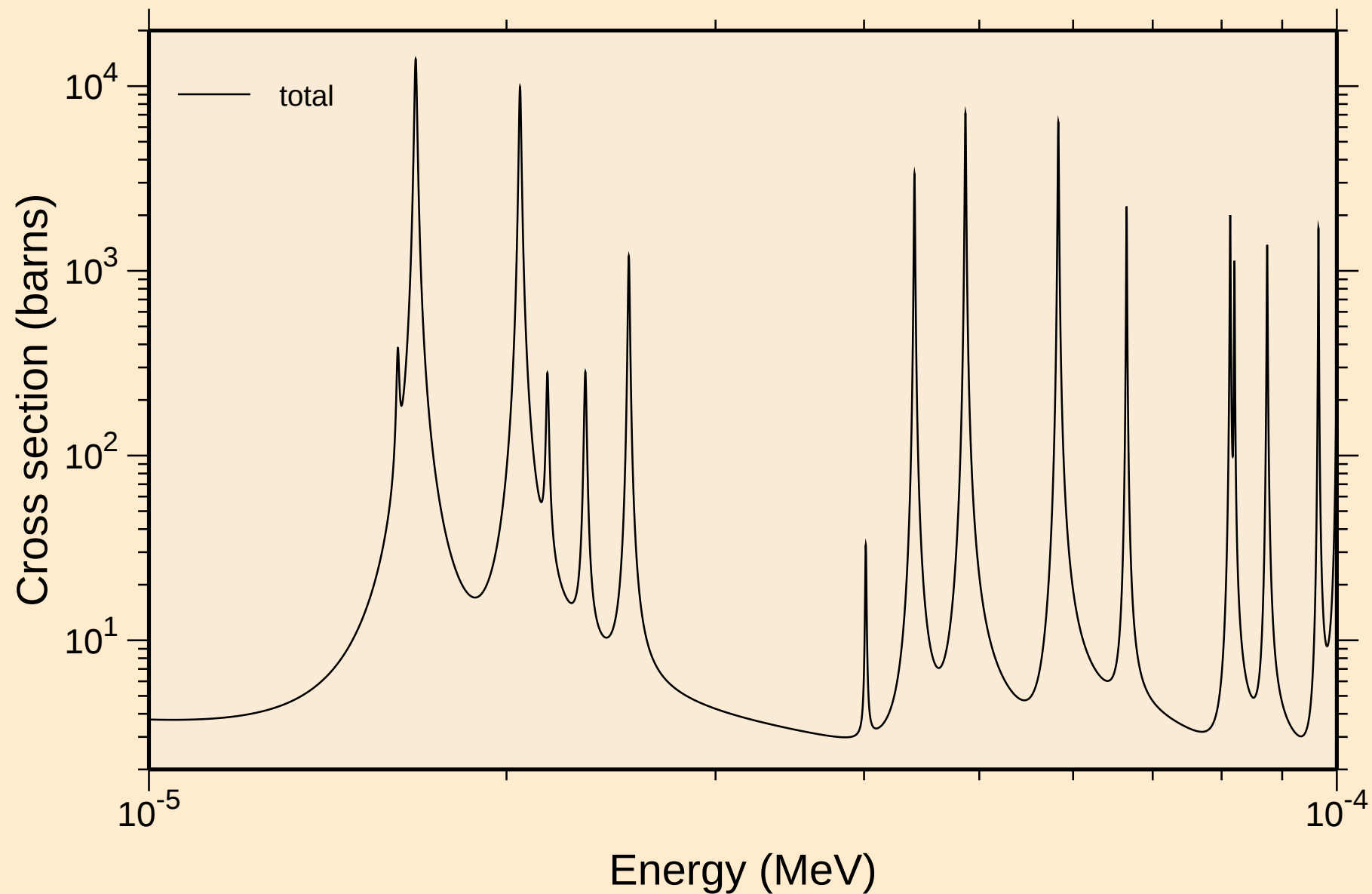
## Principal cross sections



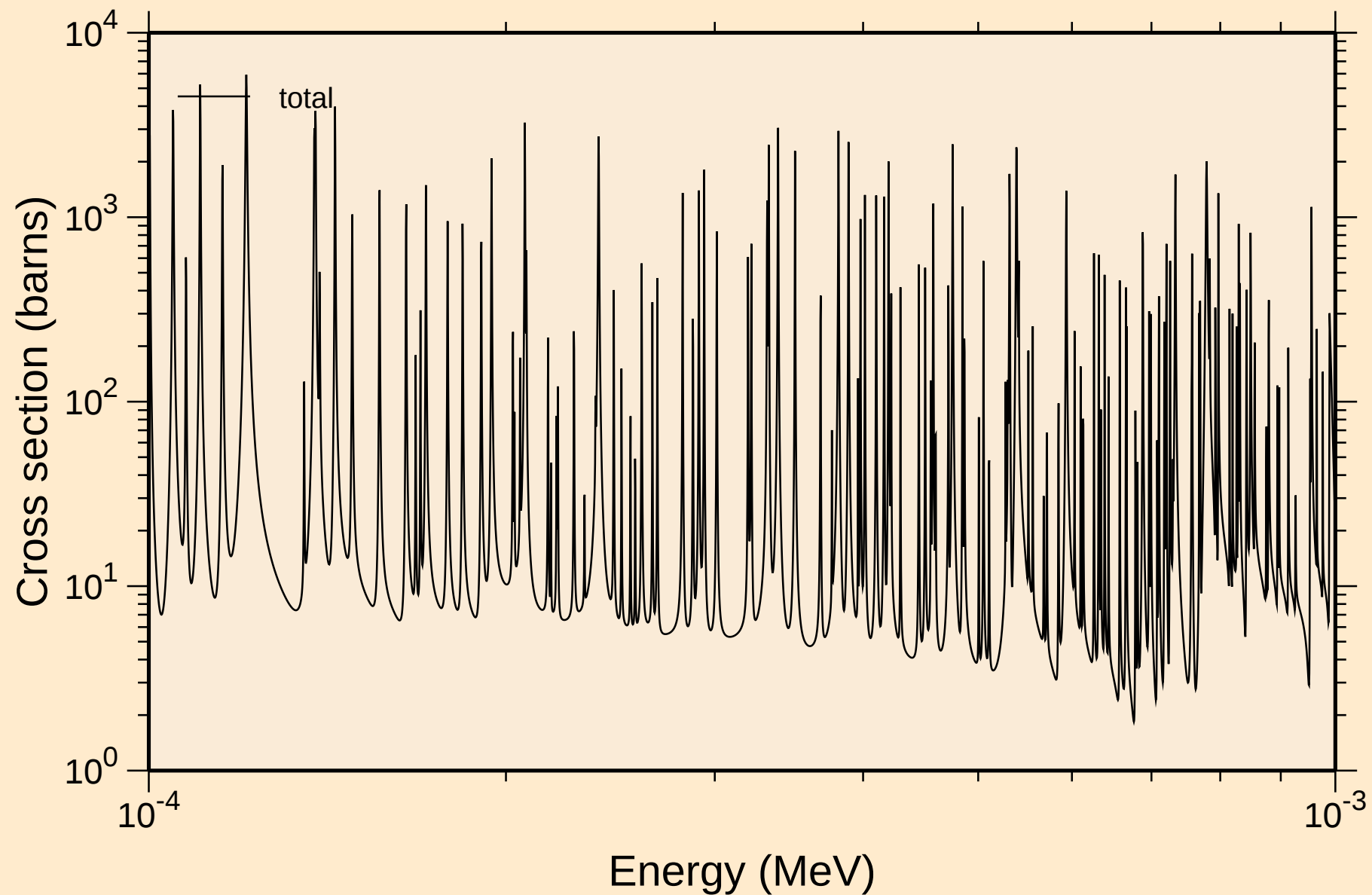
GD157 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



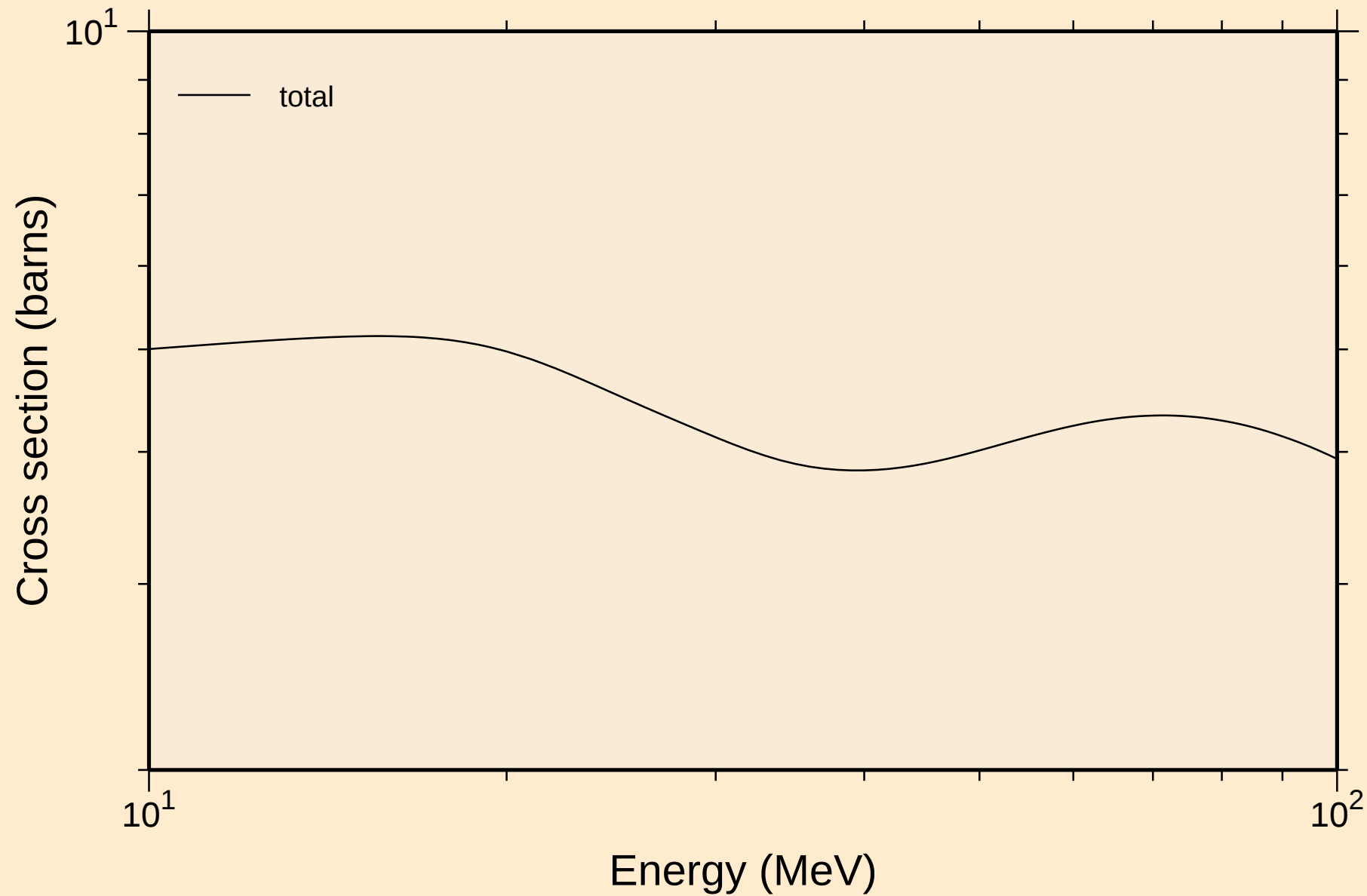
GD157 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



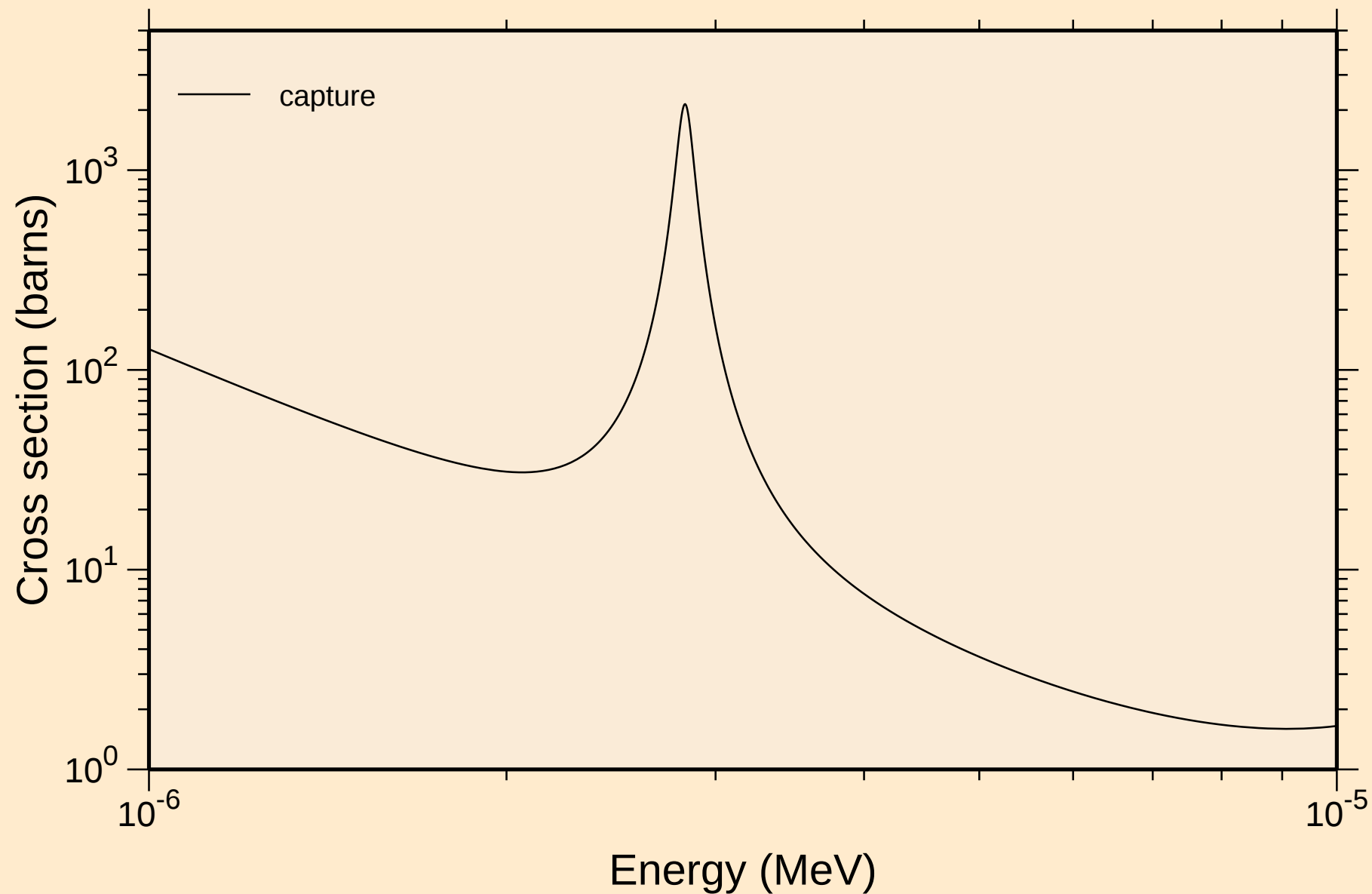
GD157 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



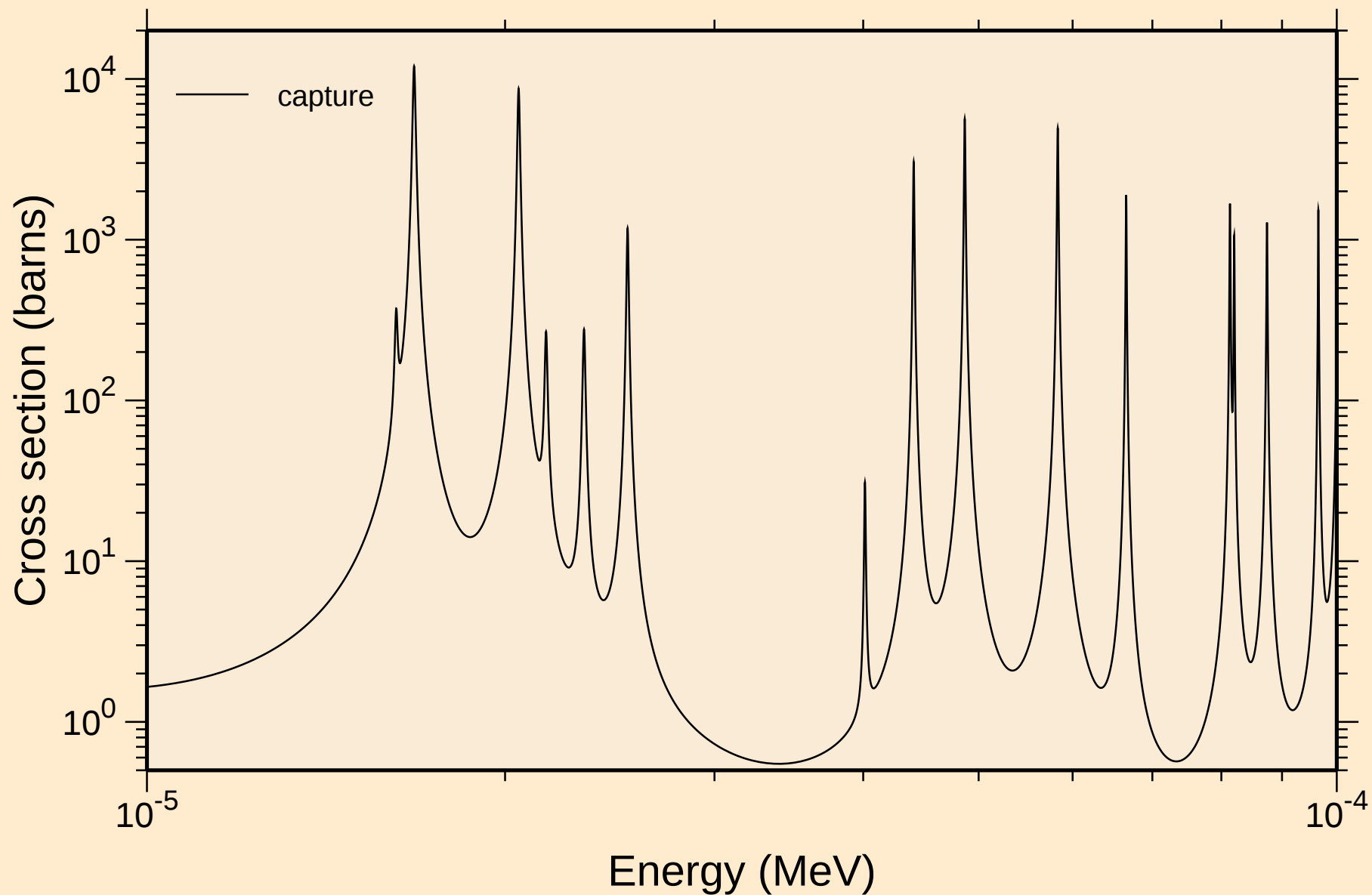
GD157 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



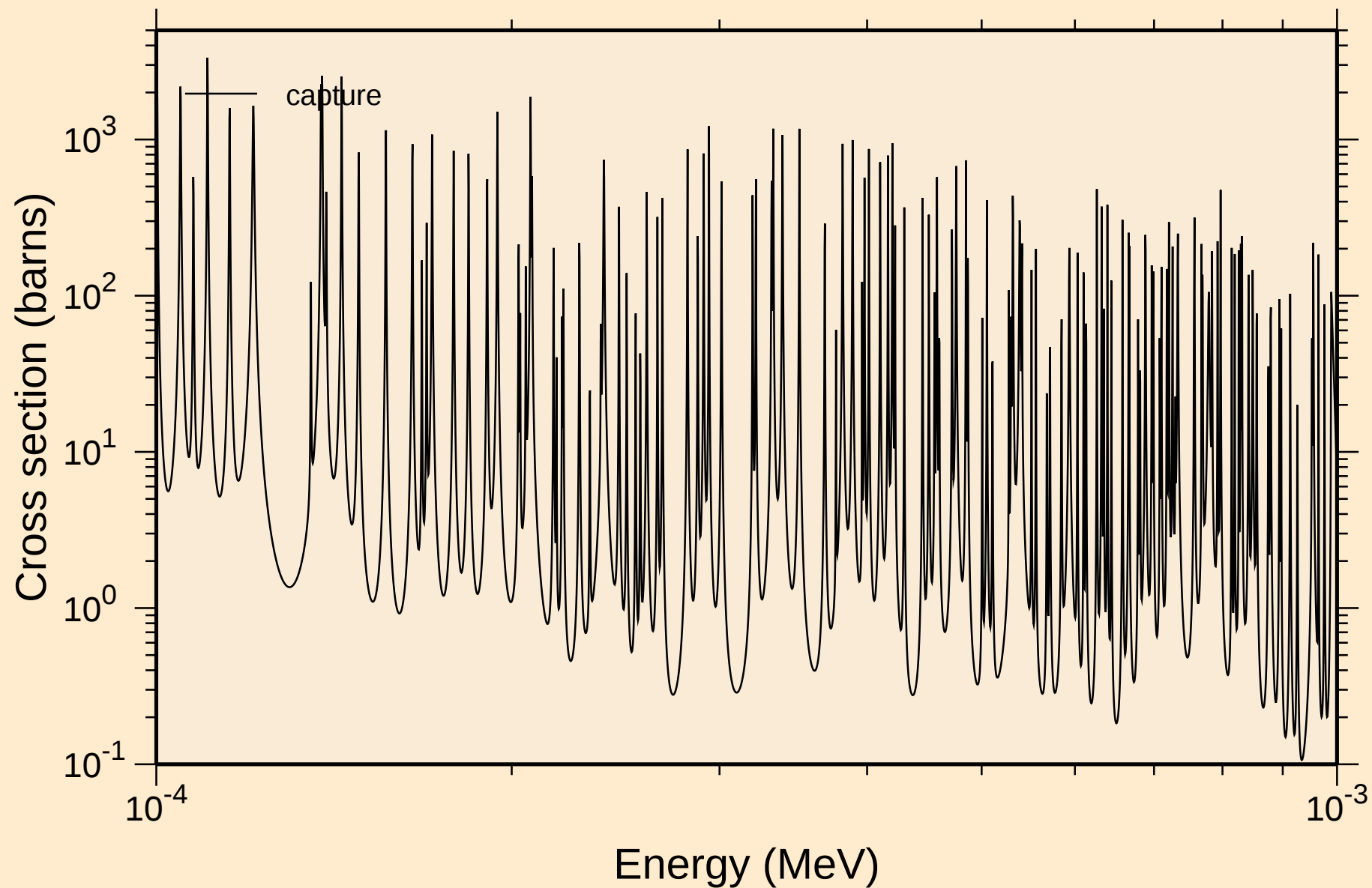
GD157 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



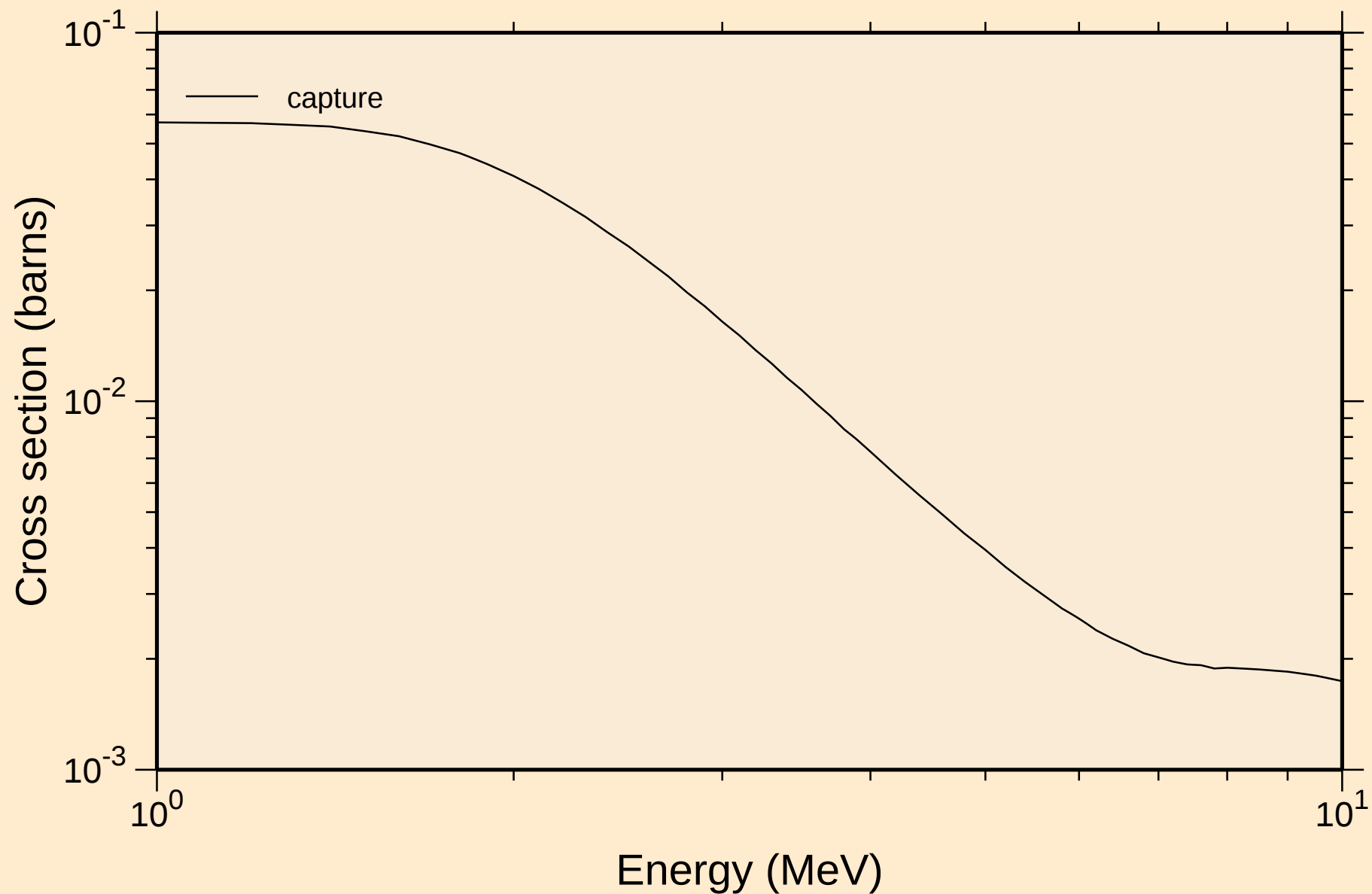
GD157 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



GD157 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

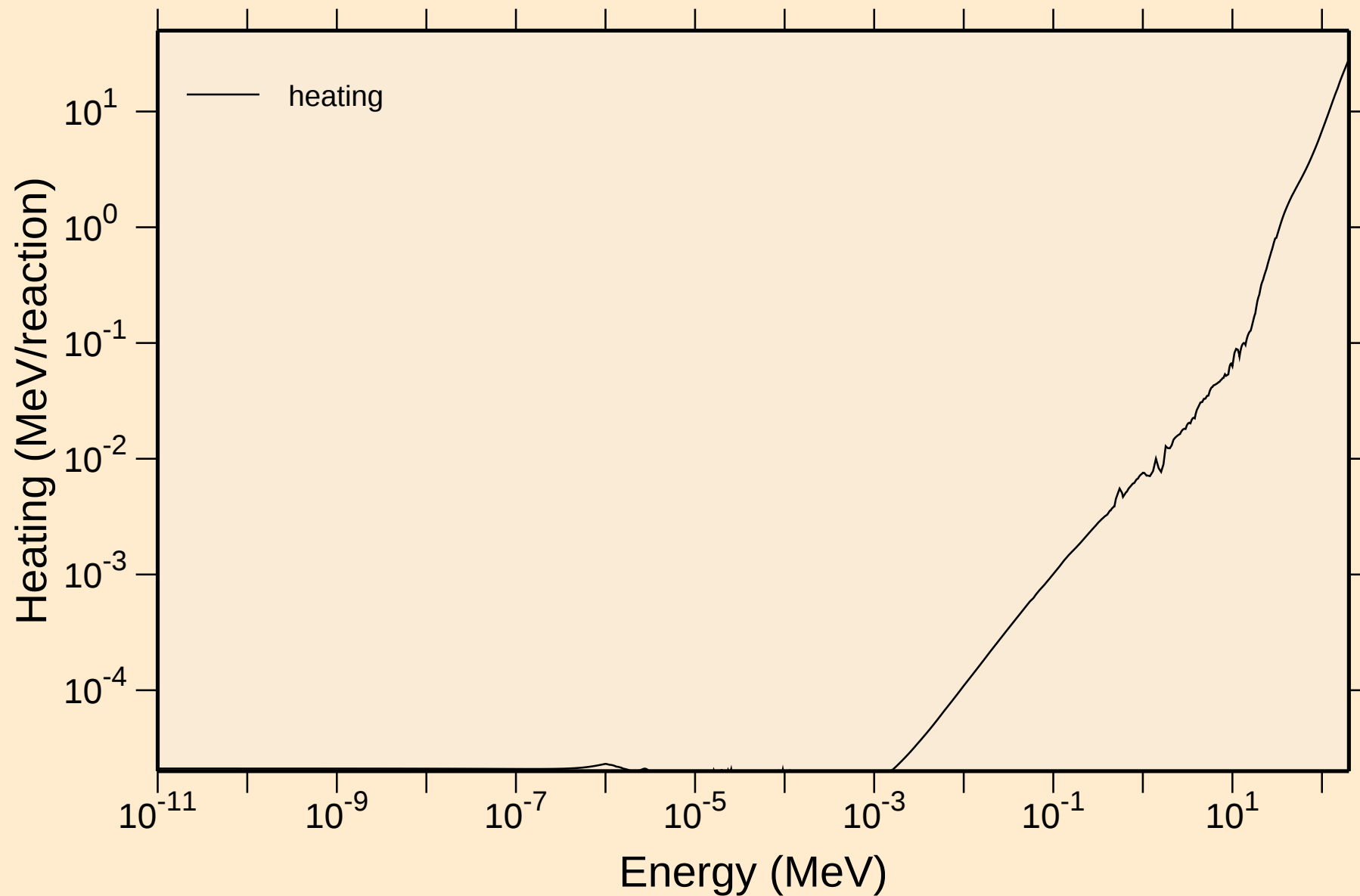


GD157 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



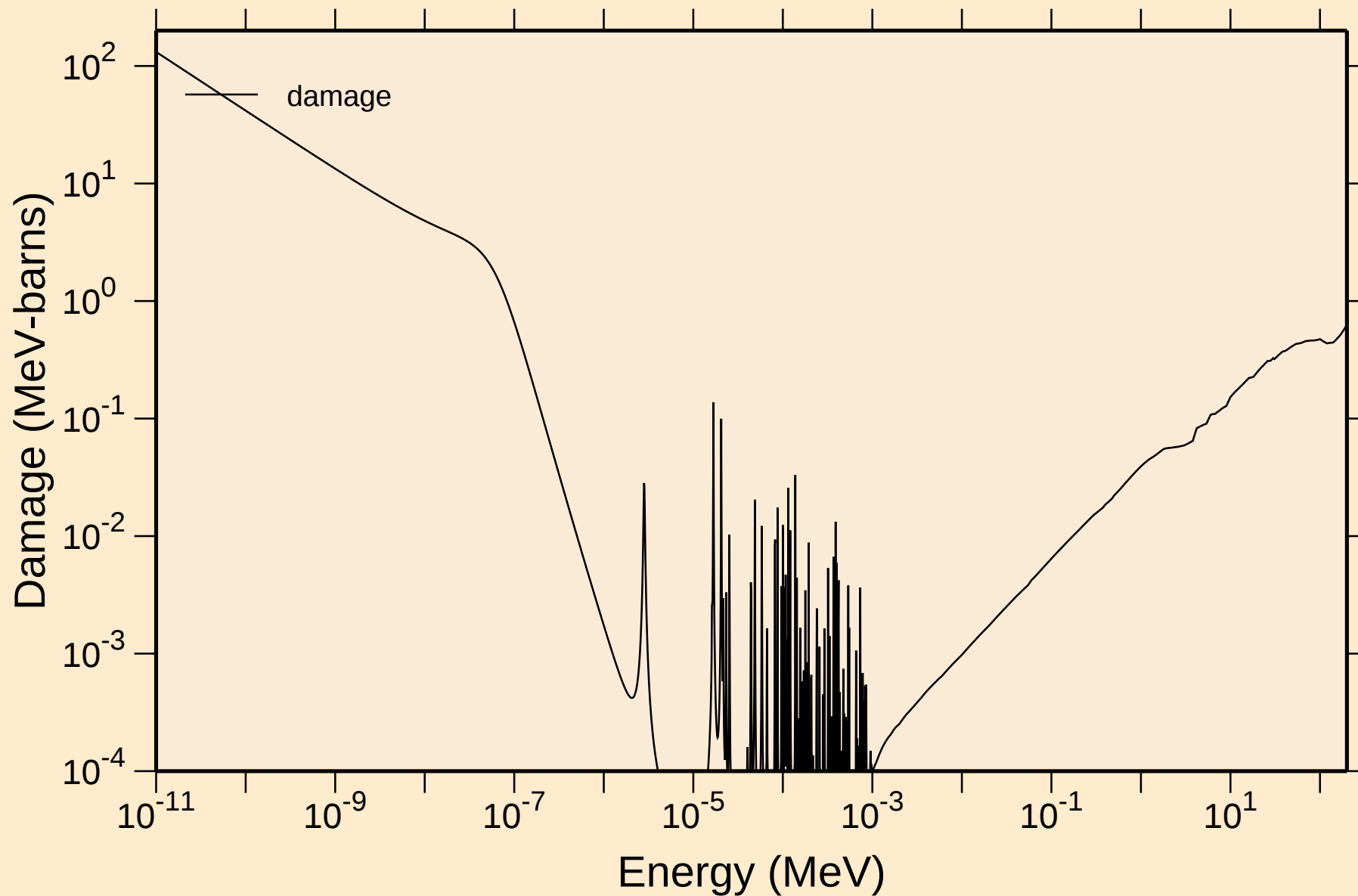
# GD157 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Heating

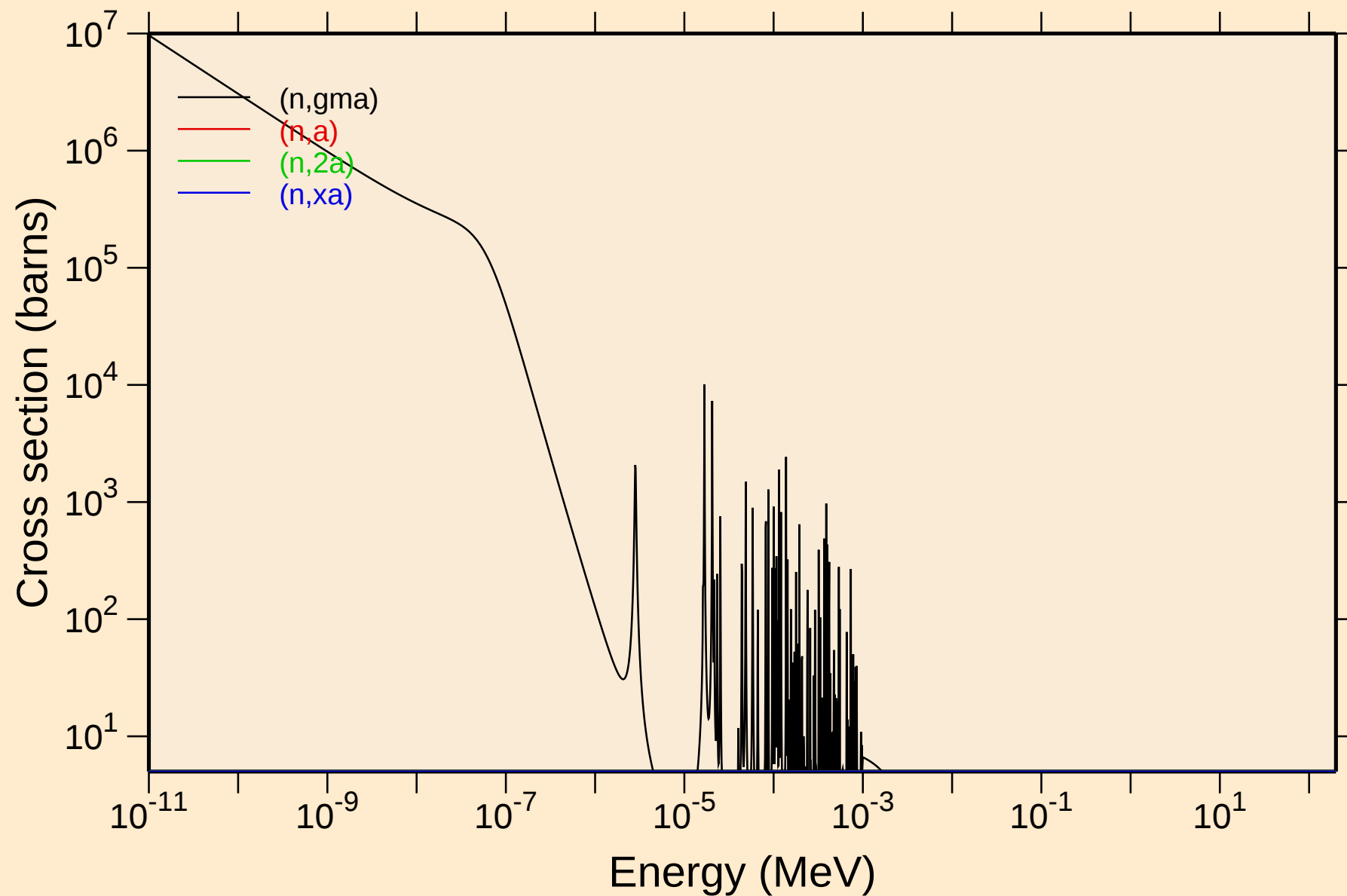


# GD157 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Damage

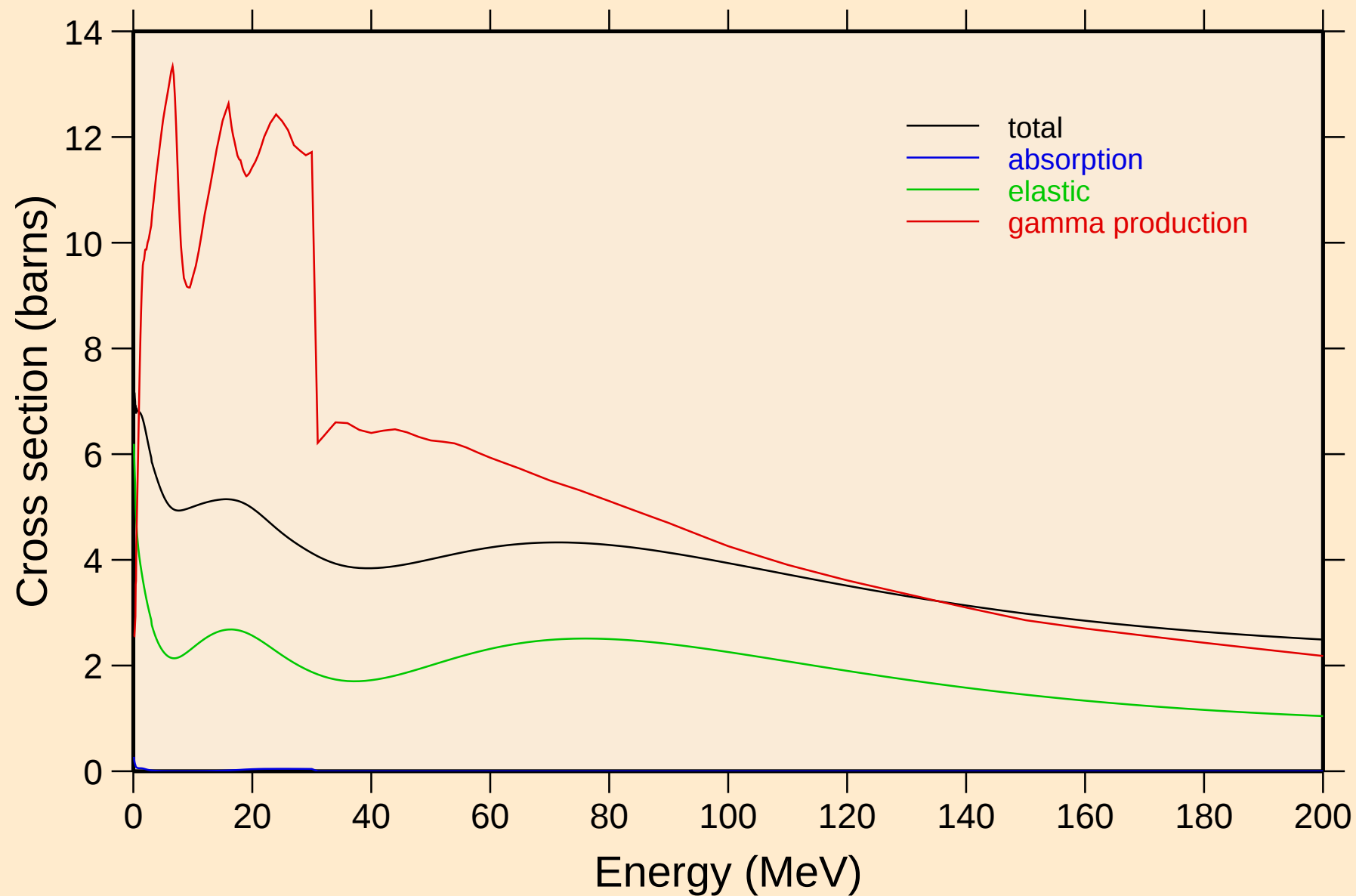


GD157 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



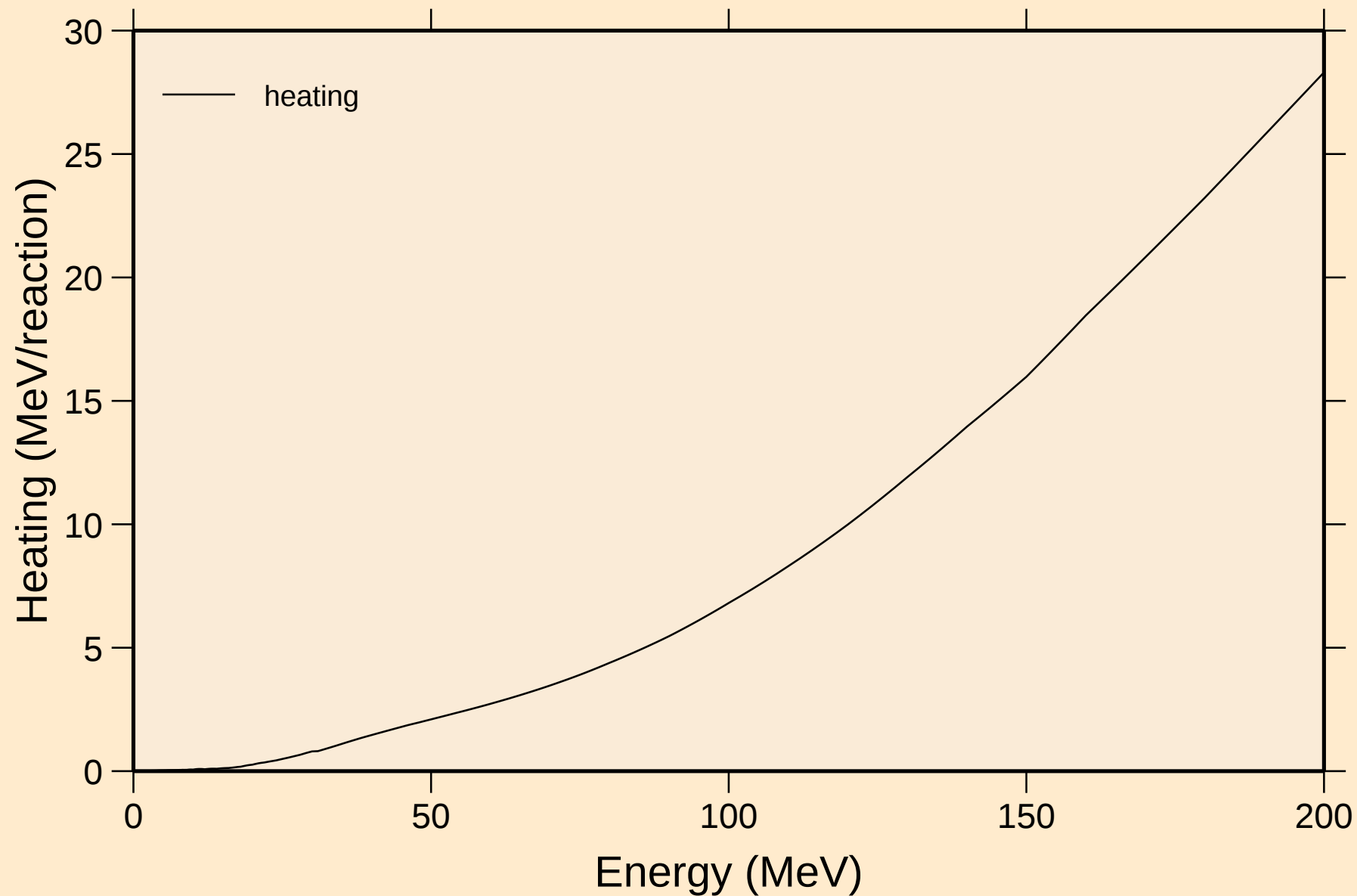
# GD157 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



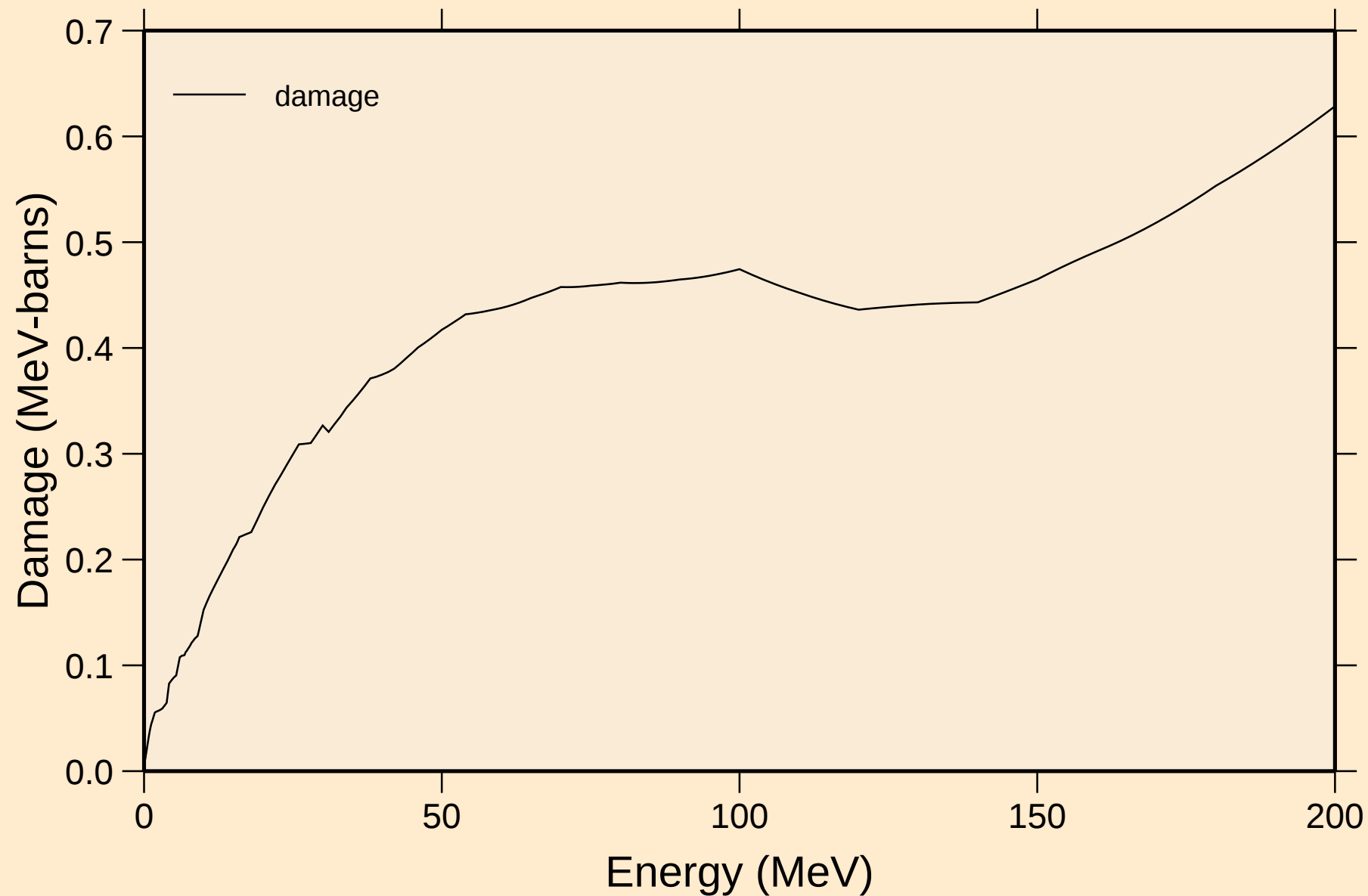
# GD157 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Heating

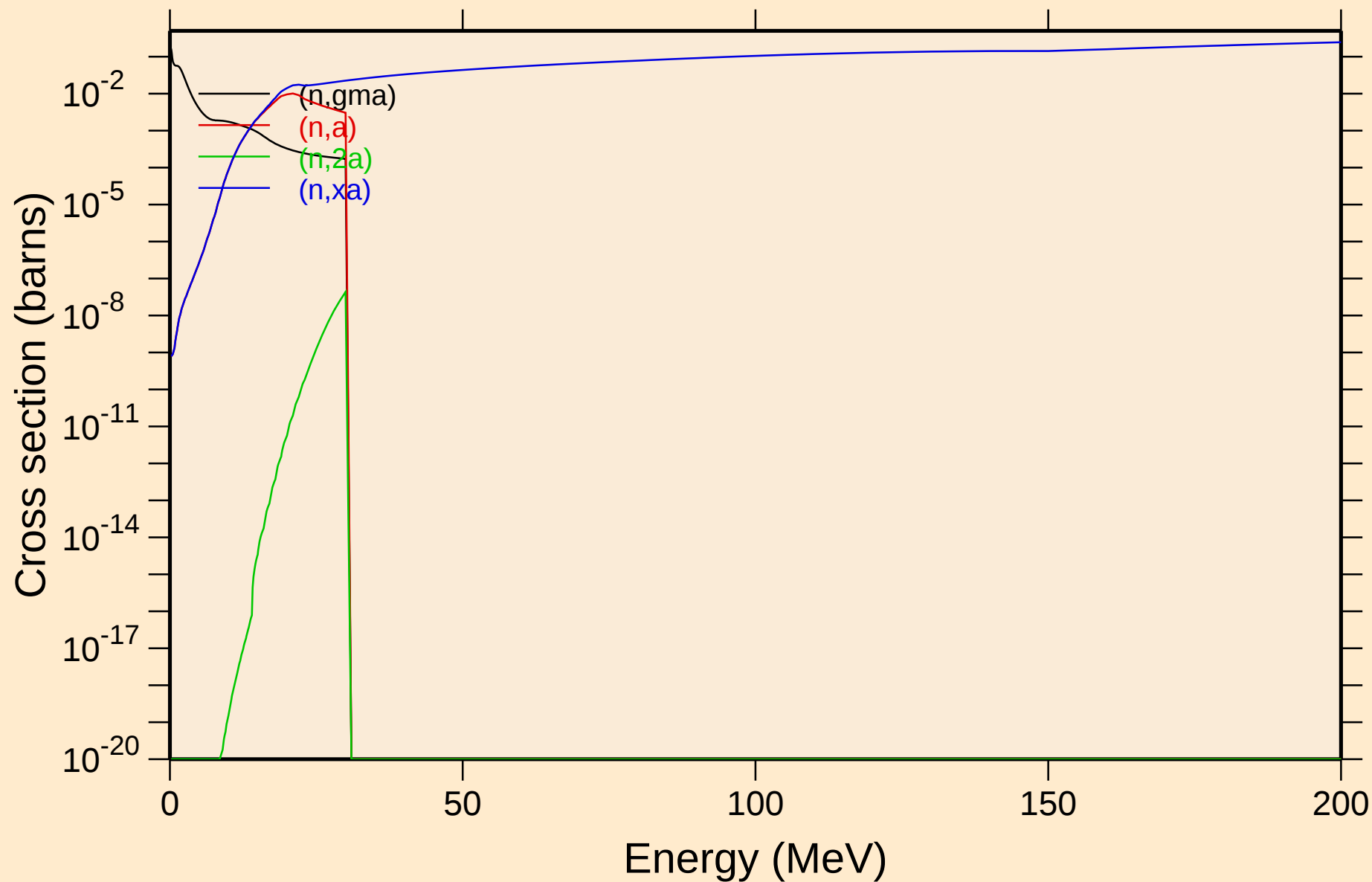


# GD157 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Damage

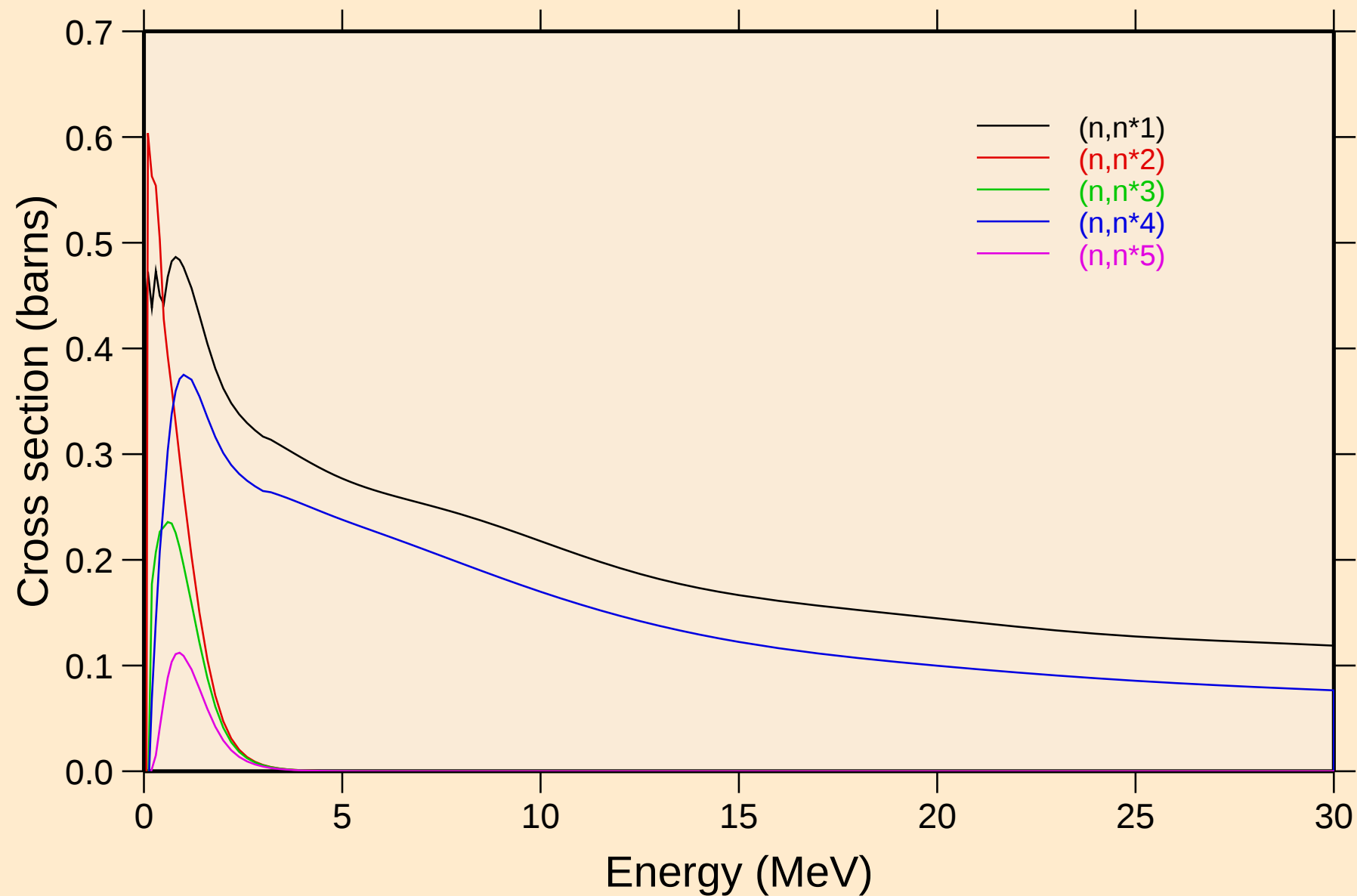


GD157 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



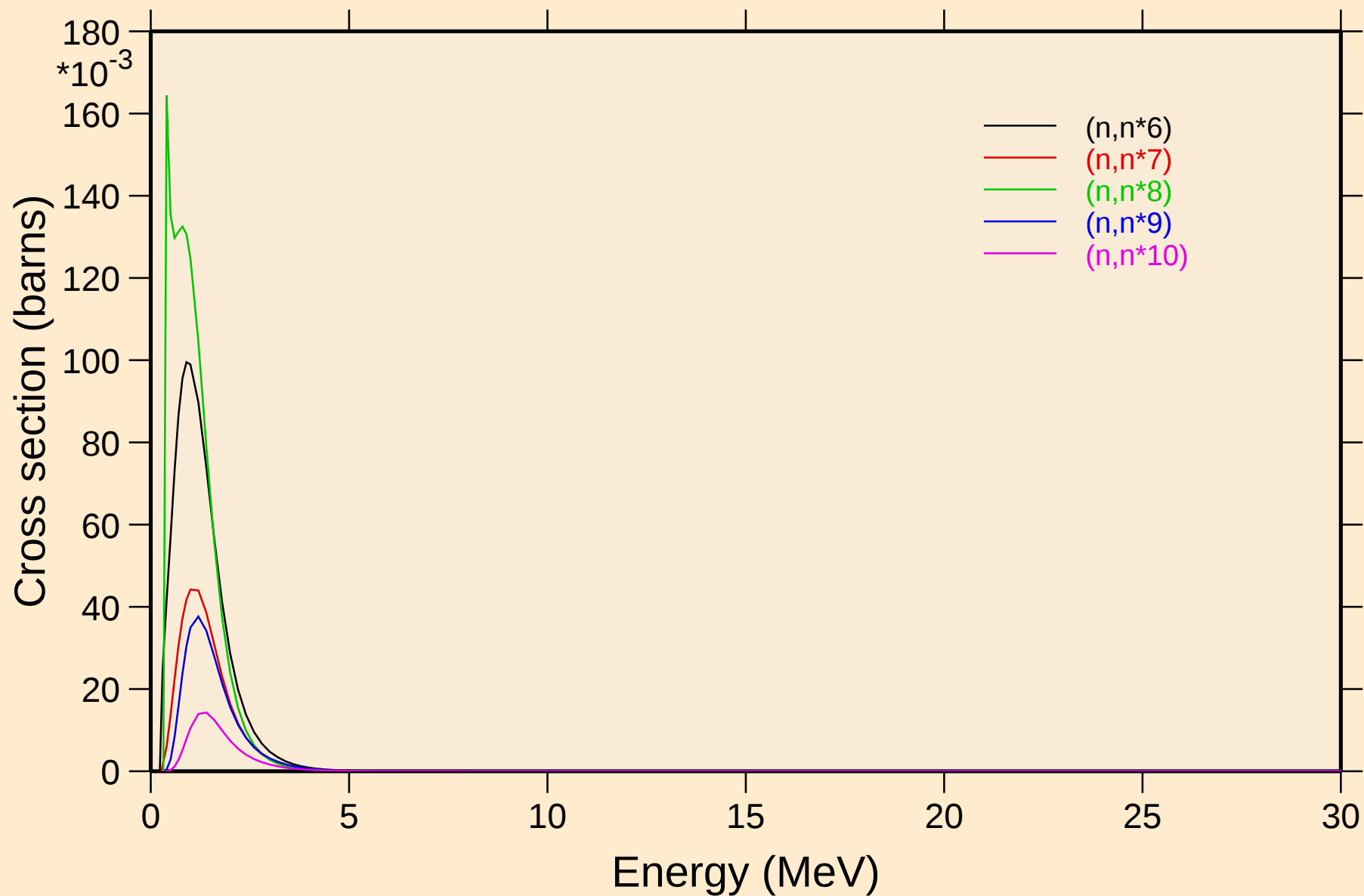
# GD157 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Inelastic levels



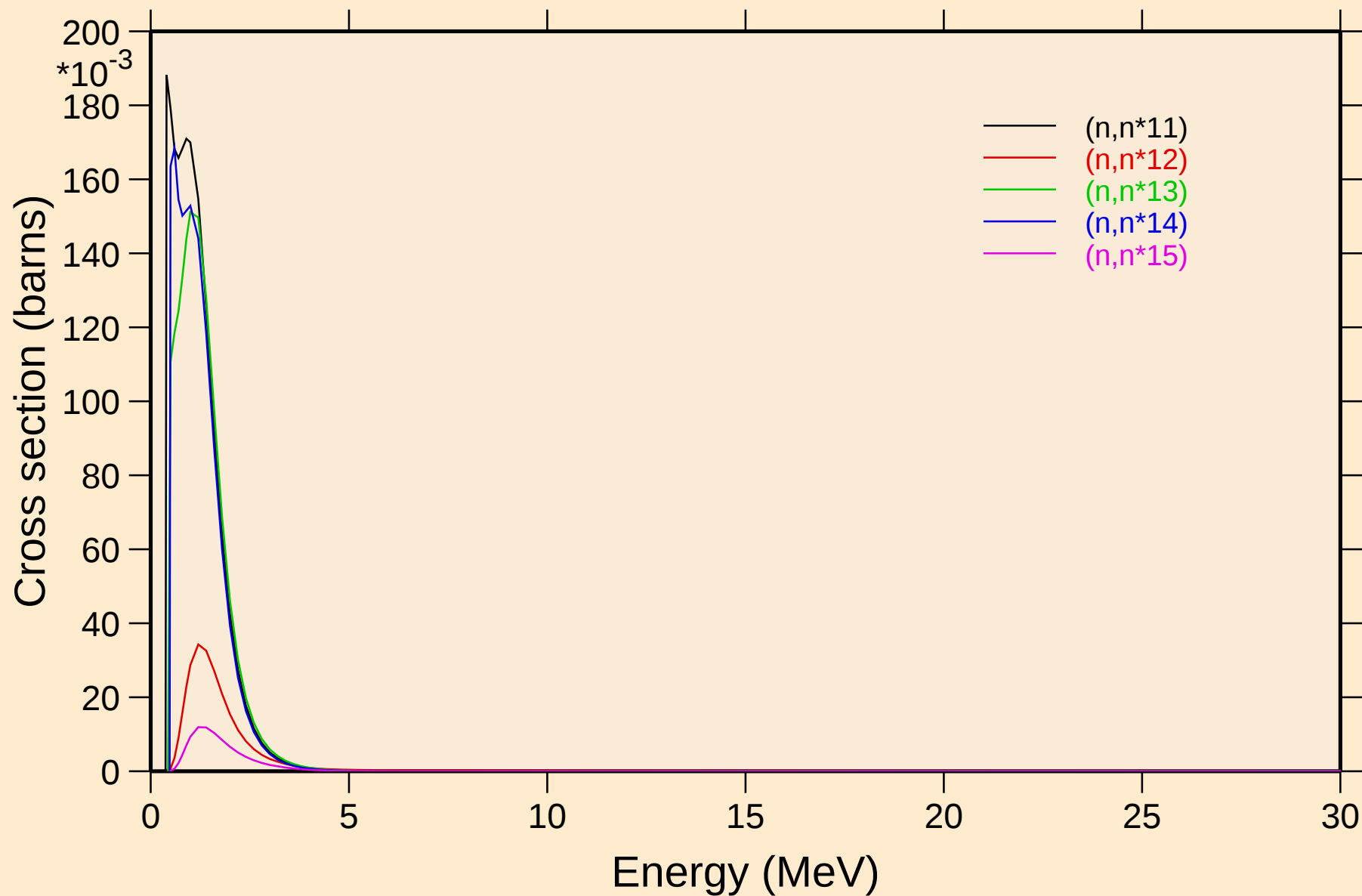
# GD157 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Inelastic levels



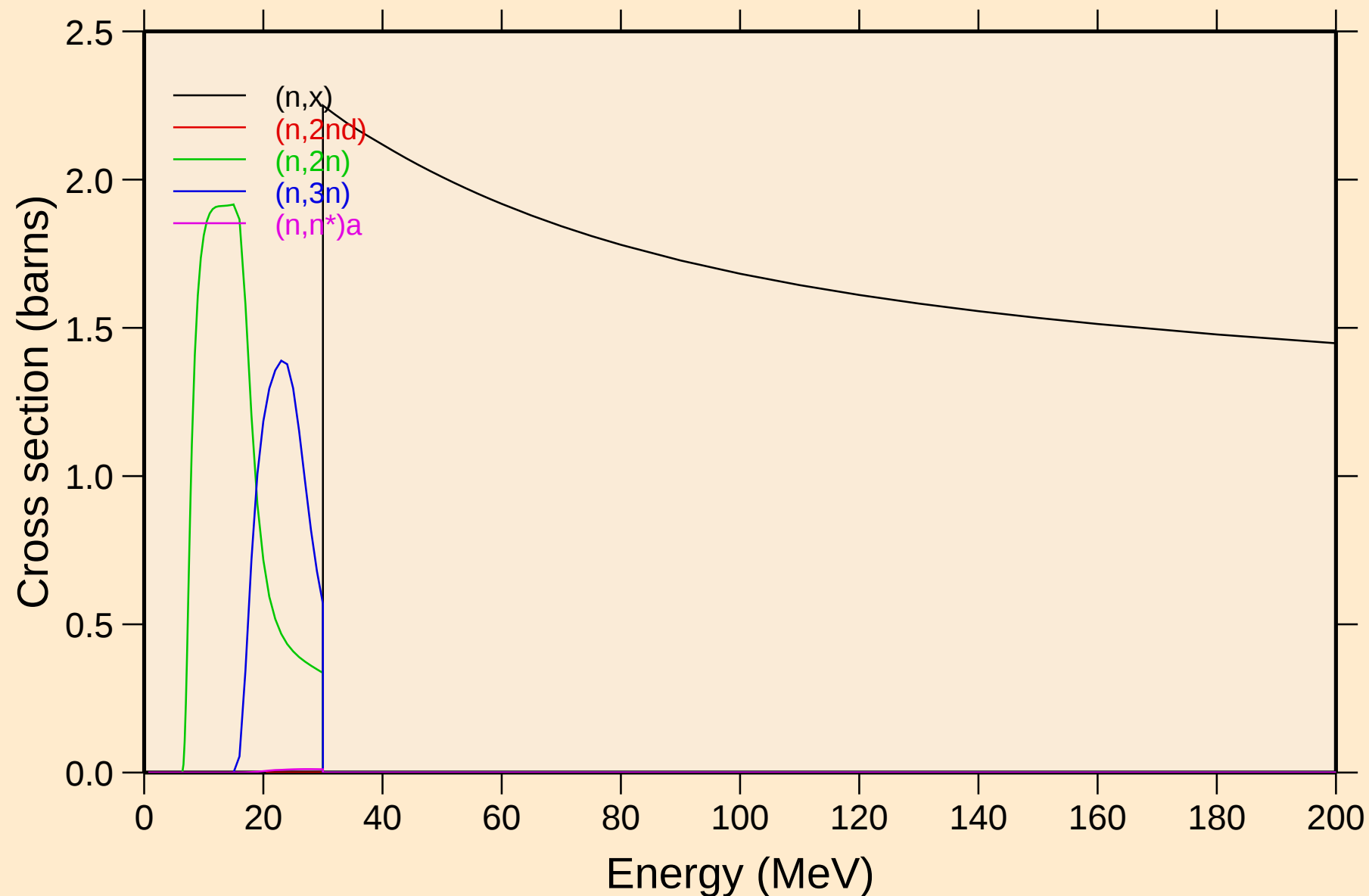
# GD157 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Inelastic levels



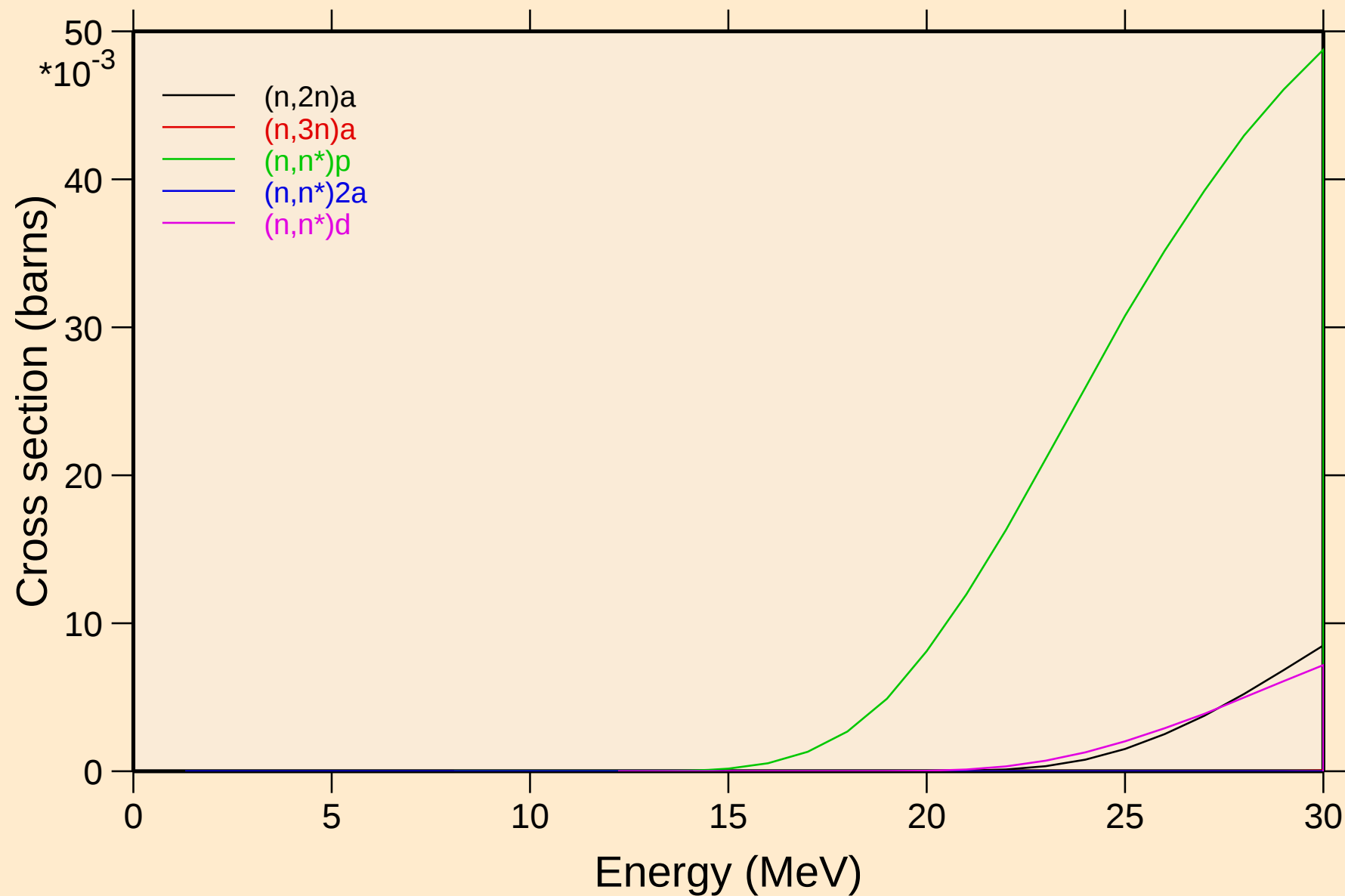
# GD157 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



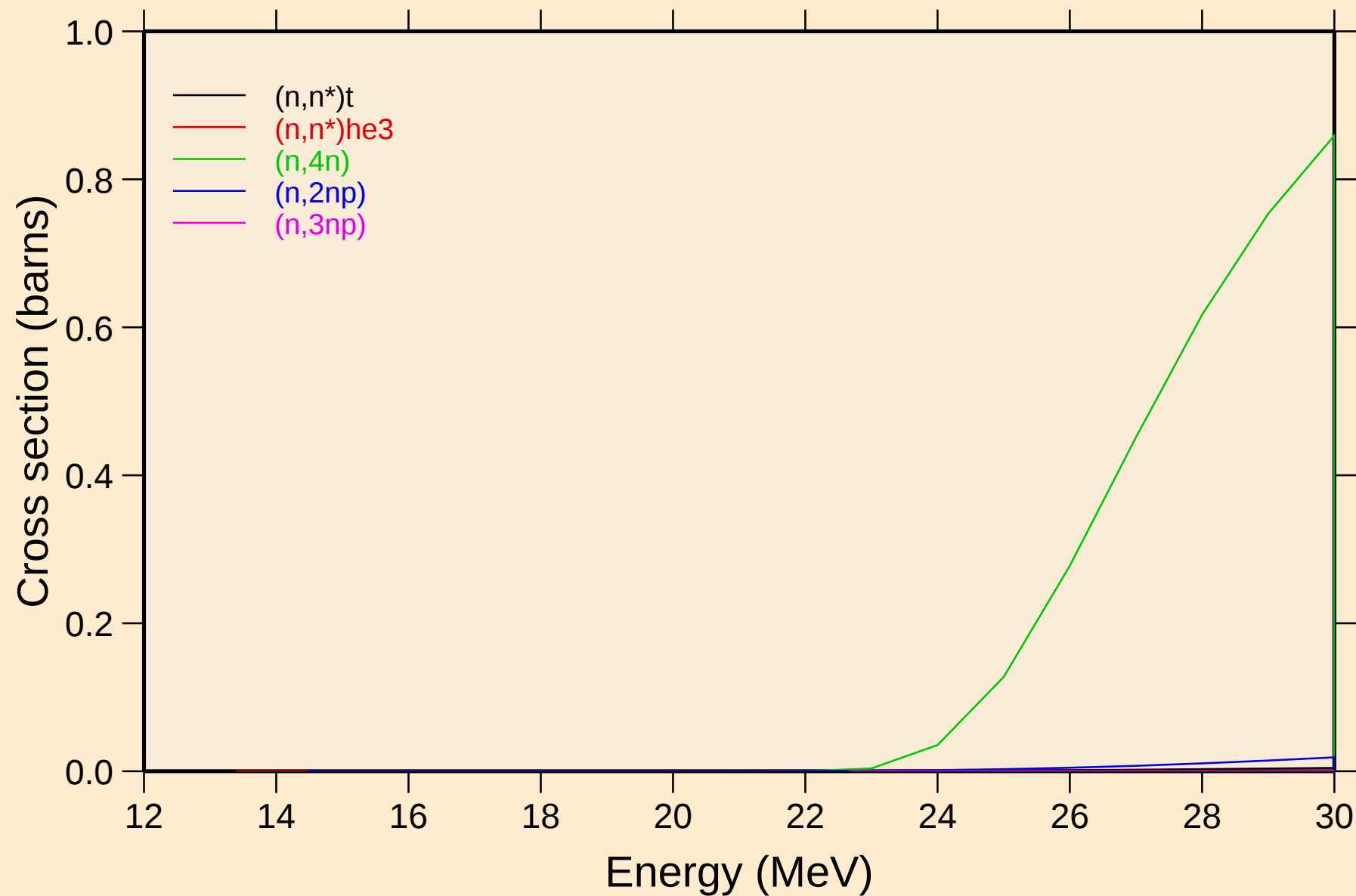
# GD157 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions

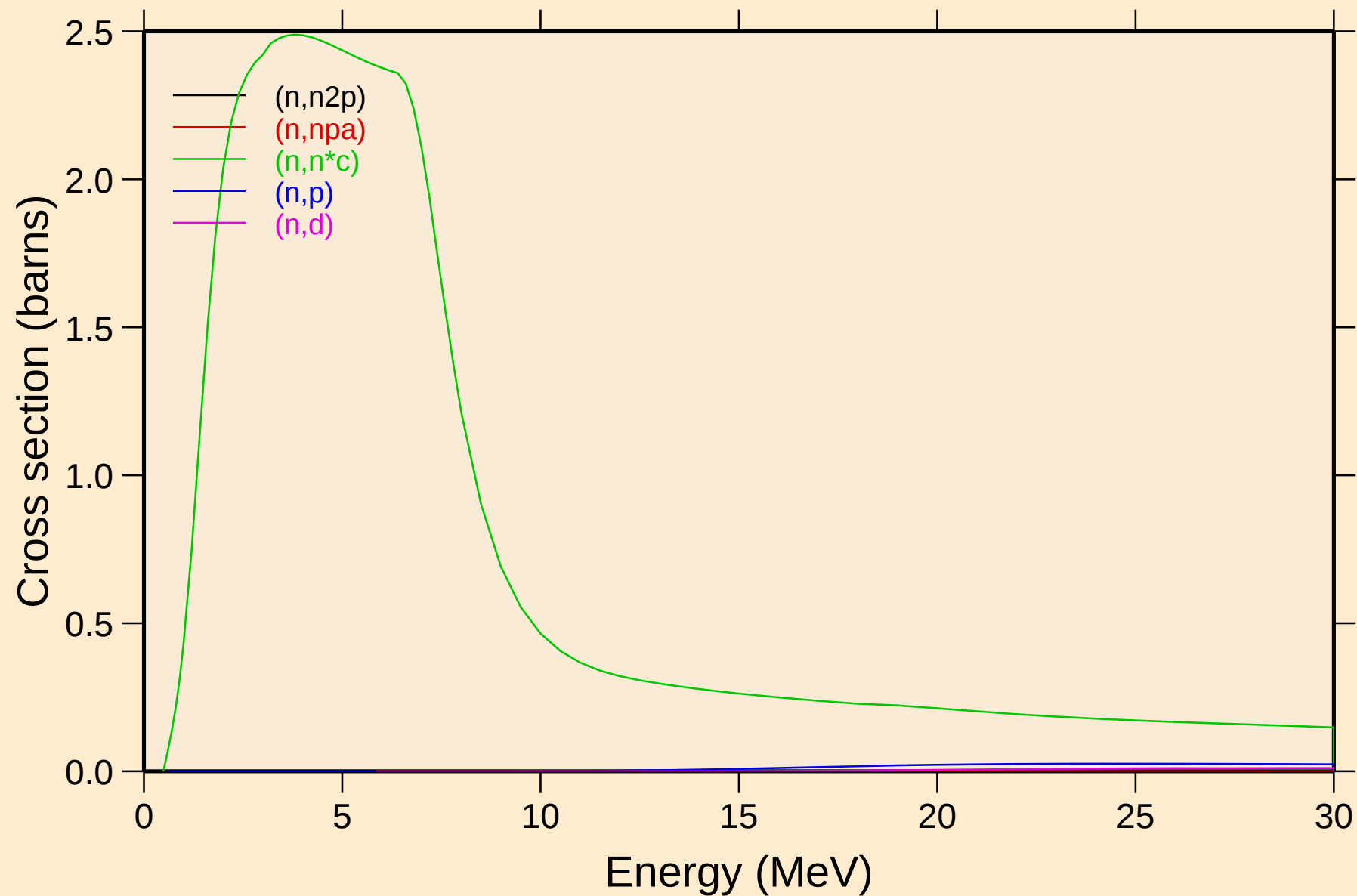


# GD157 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Threshold reactions

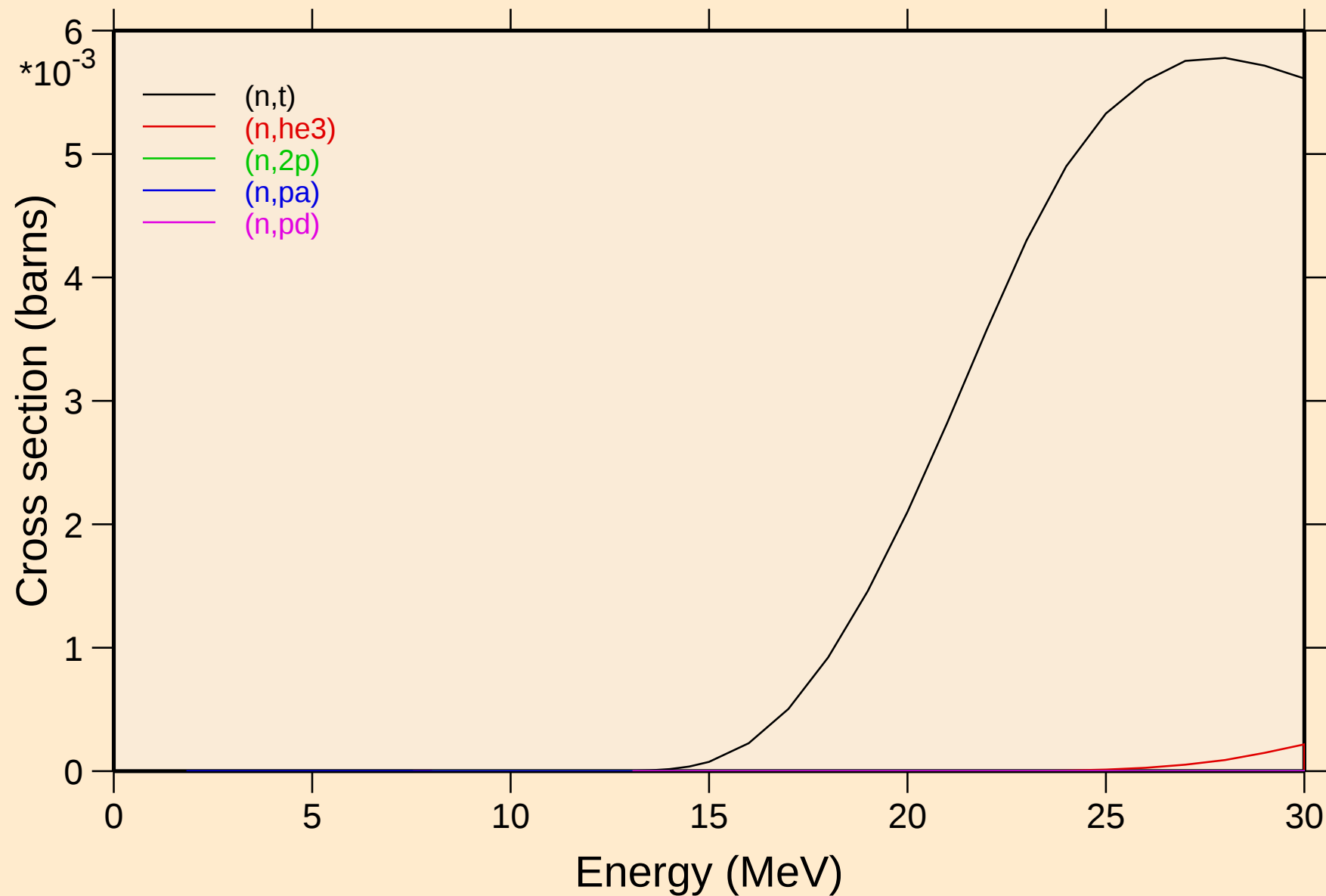


GD157 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

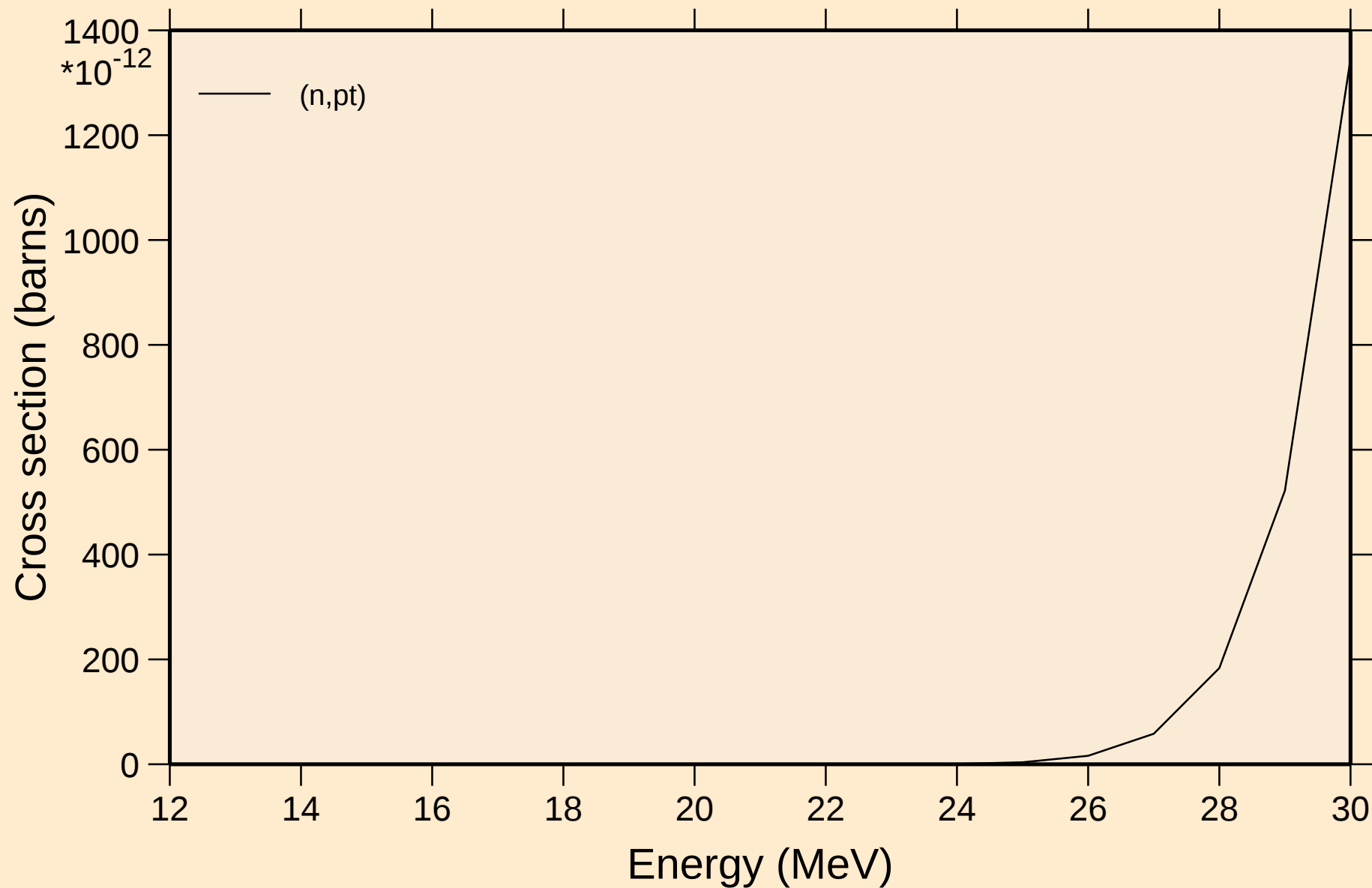


# GD157 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions

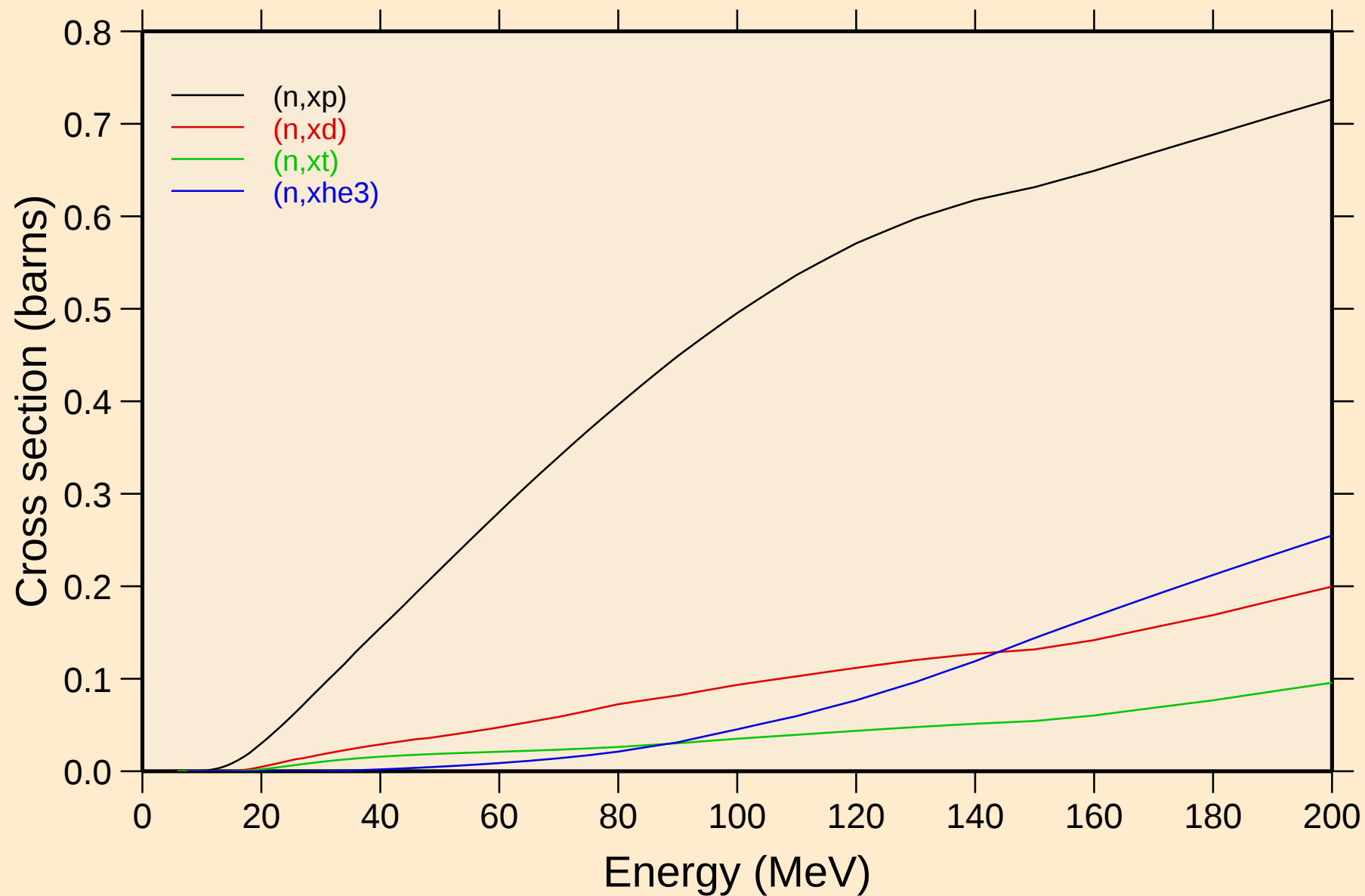


GD157 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

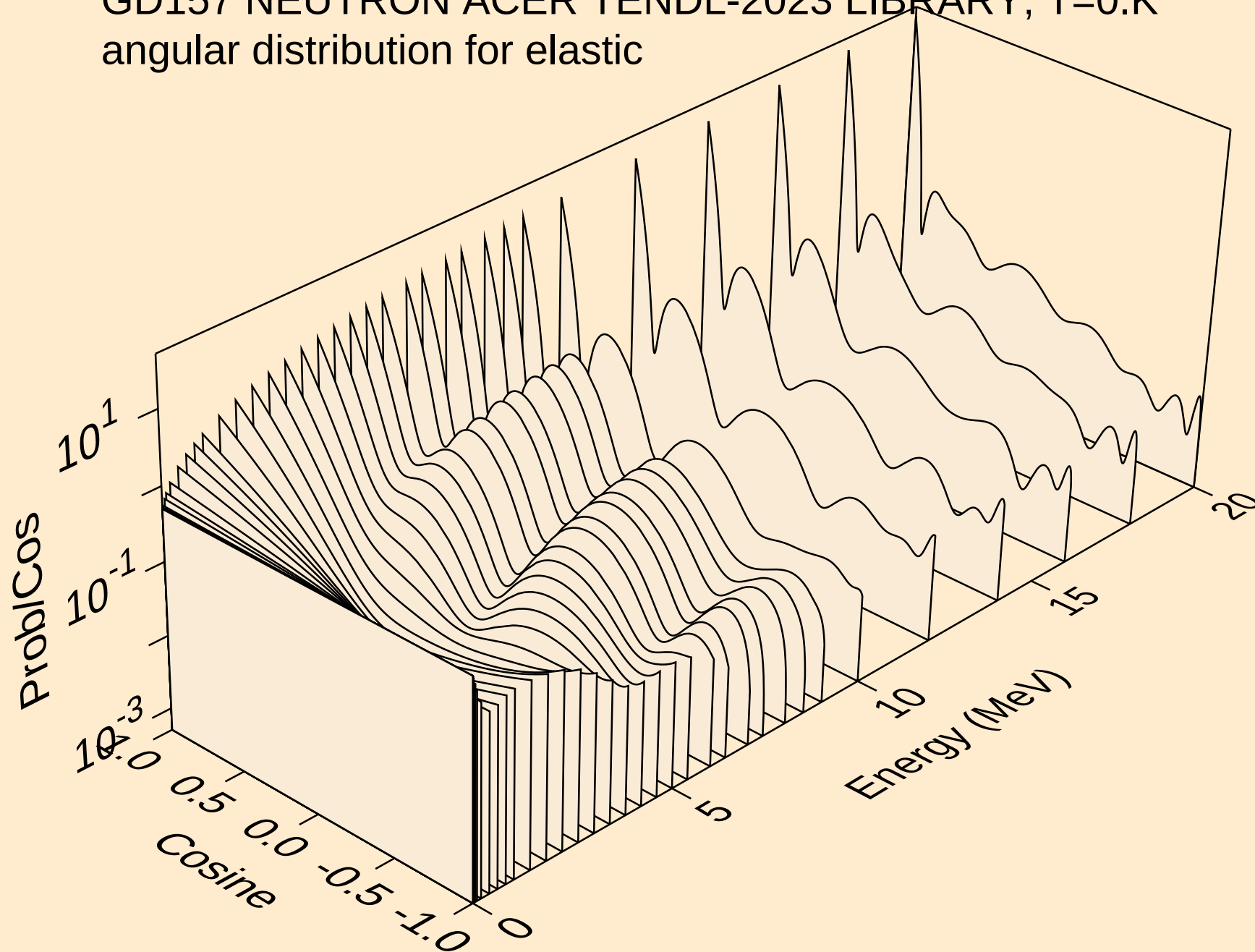


# GD157 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

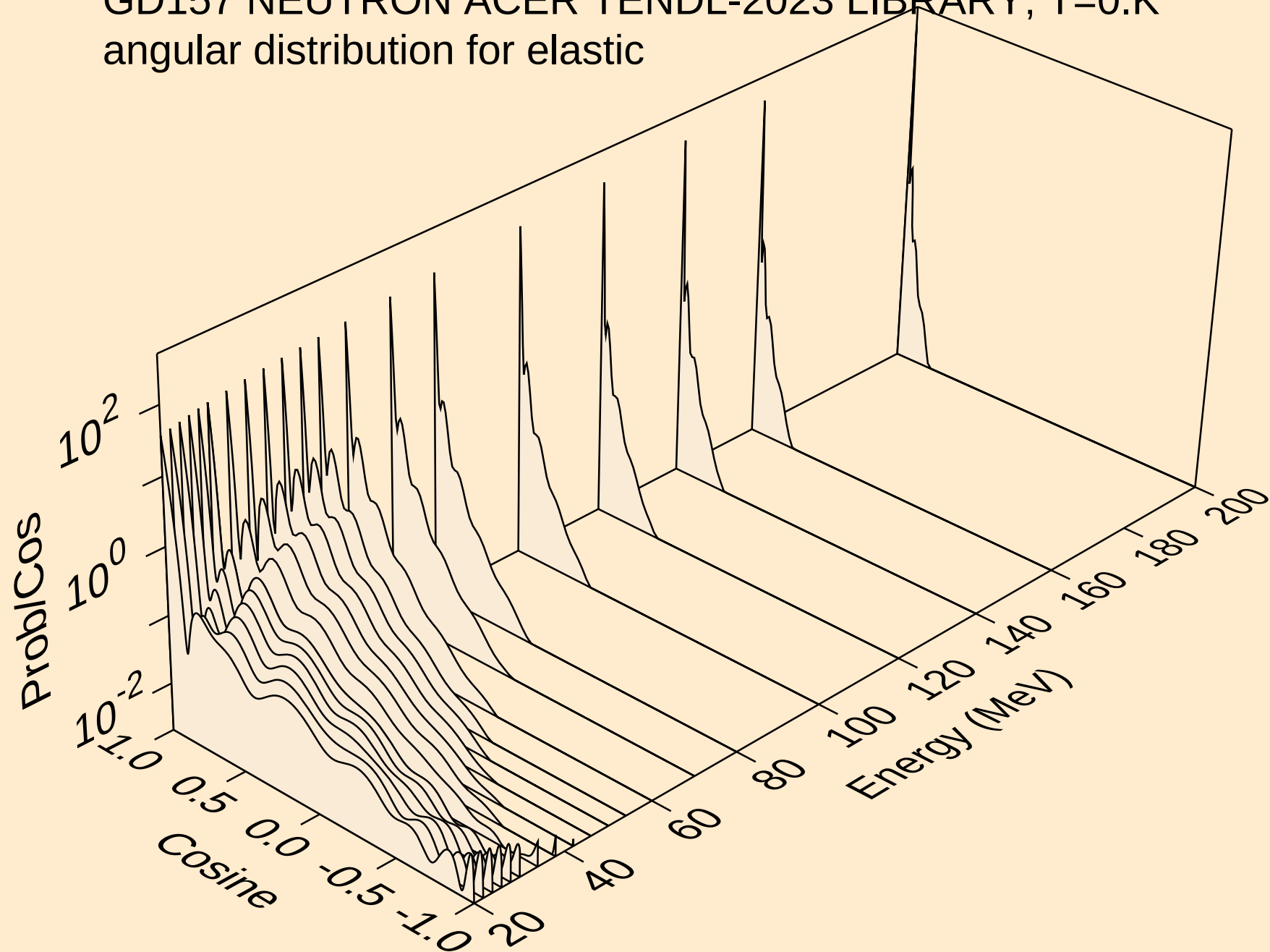
## Threshold reactions



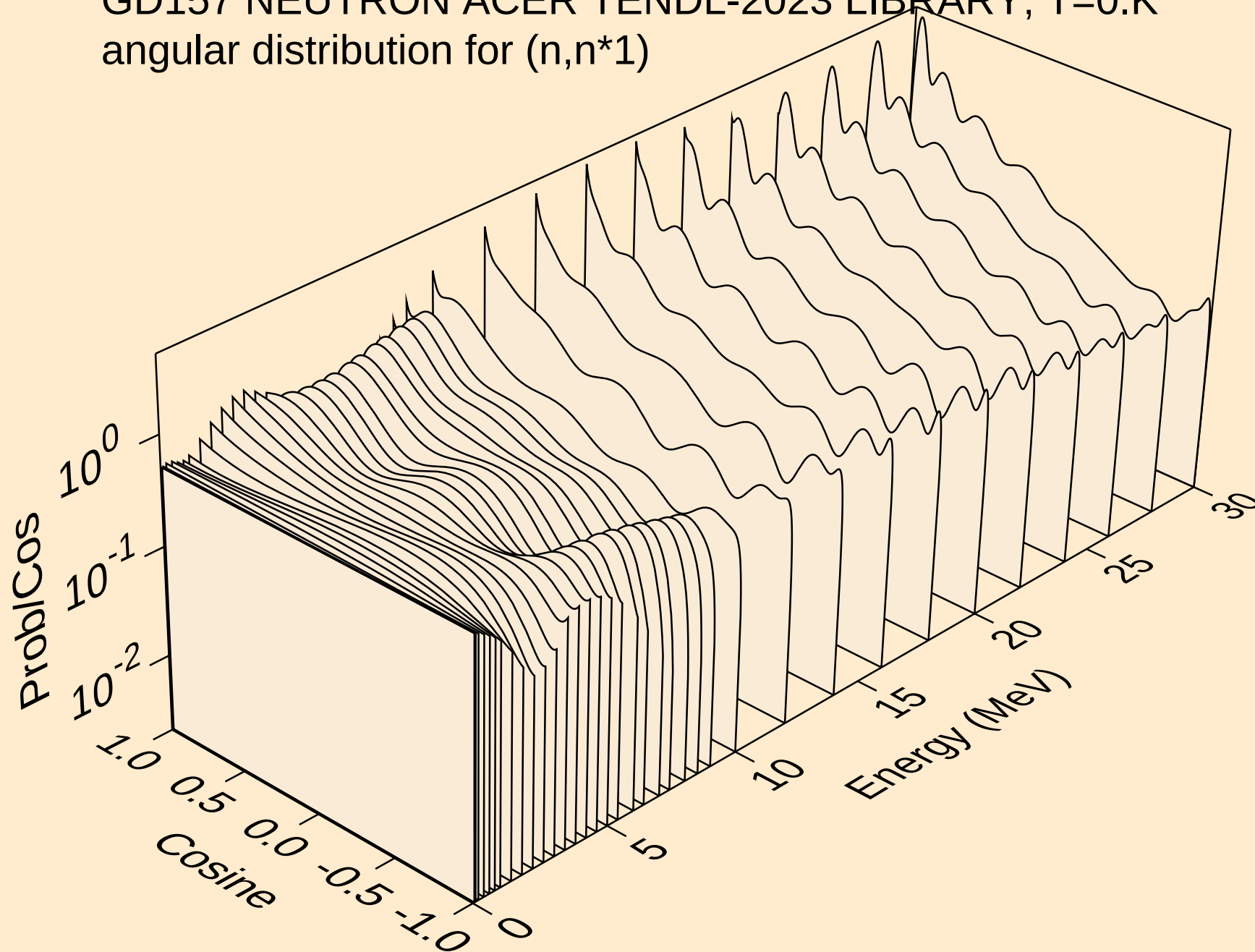
GD157 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



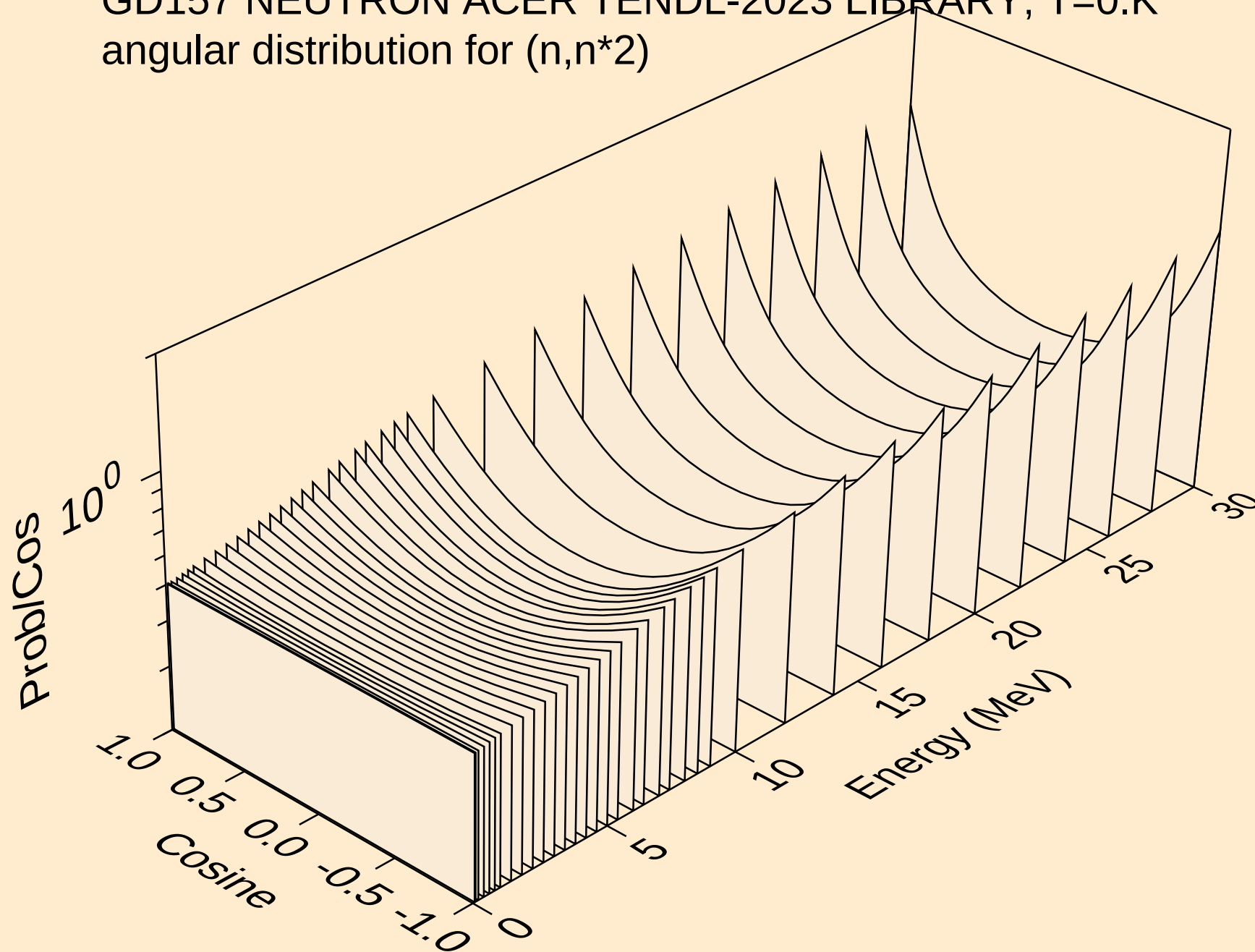
GD157 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



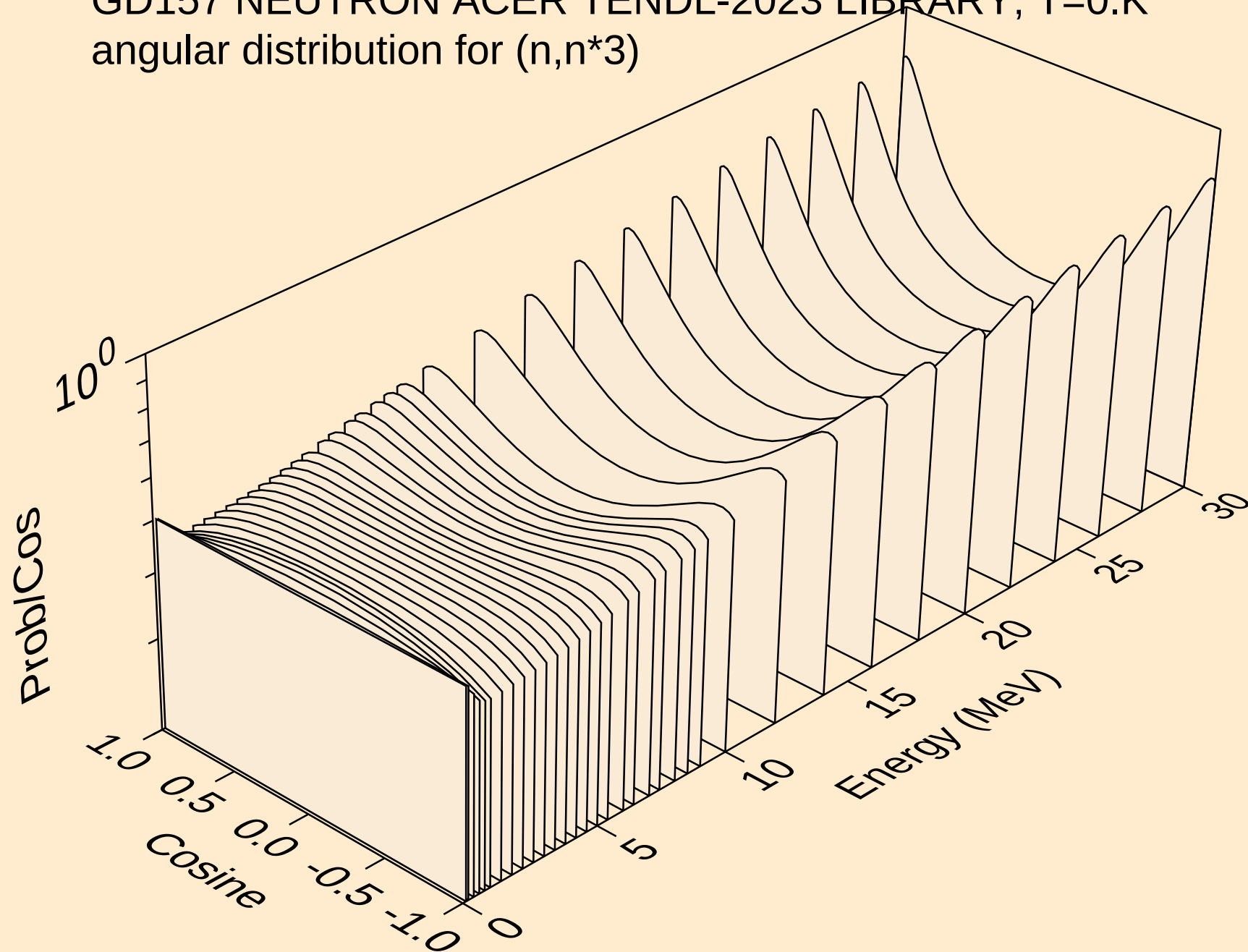
GD157 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



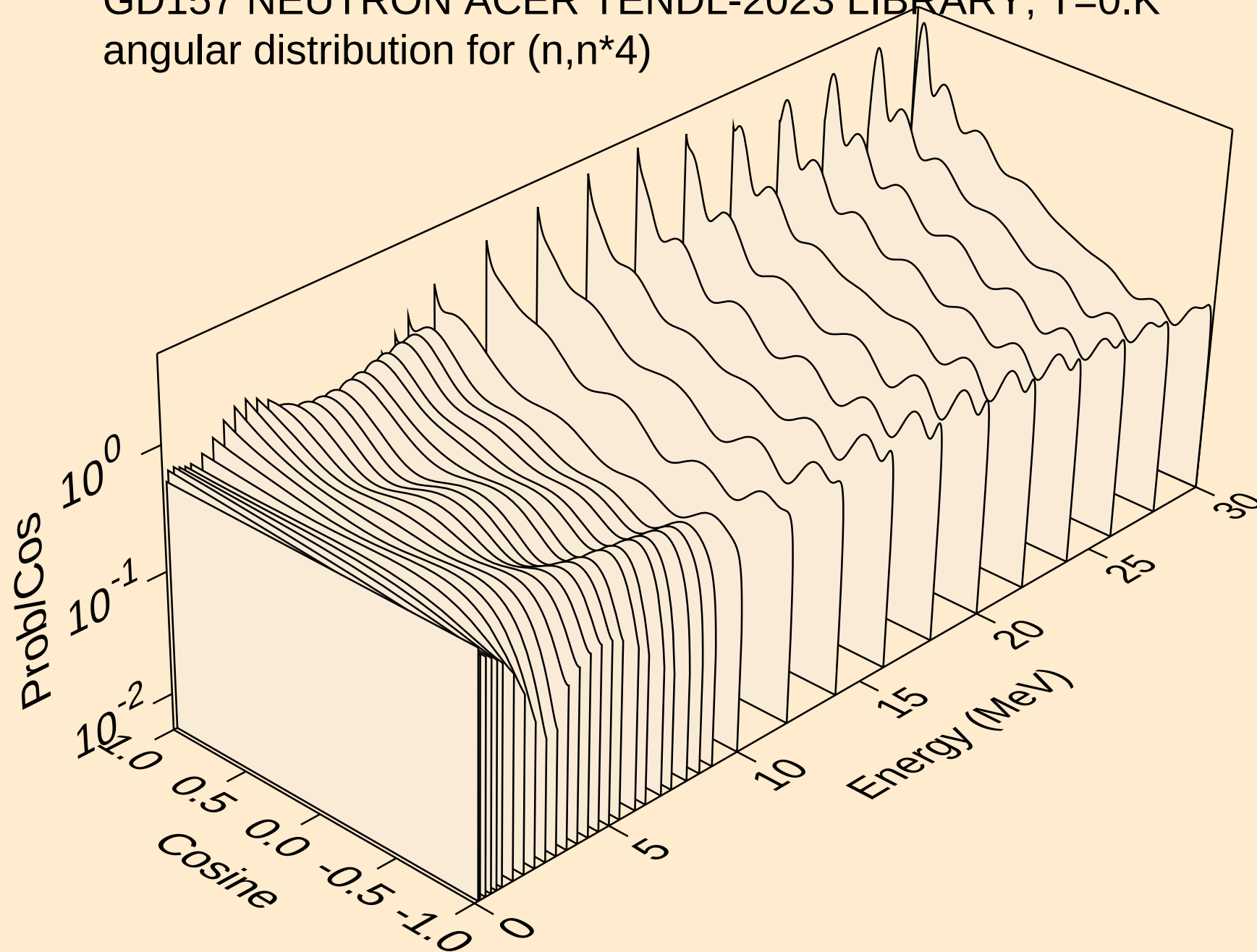
GD157 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*2)



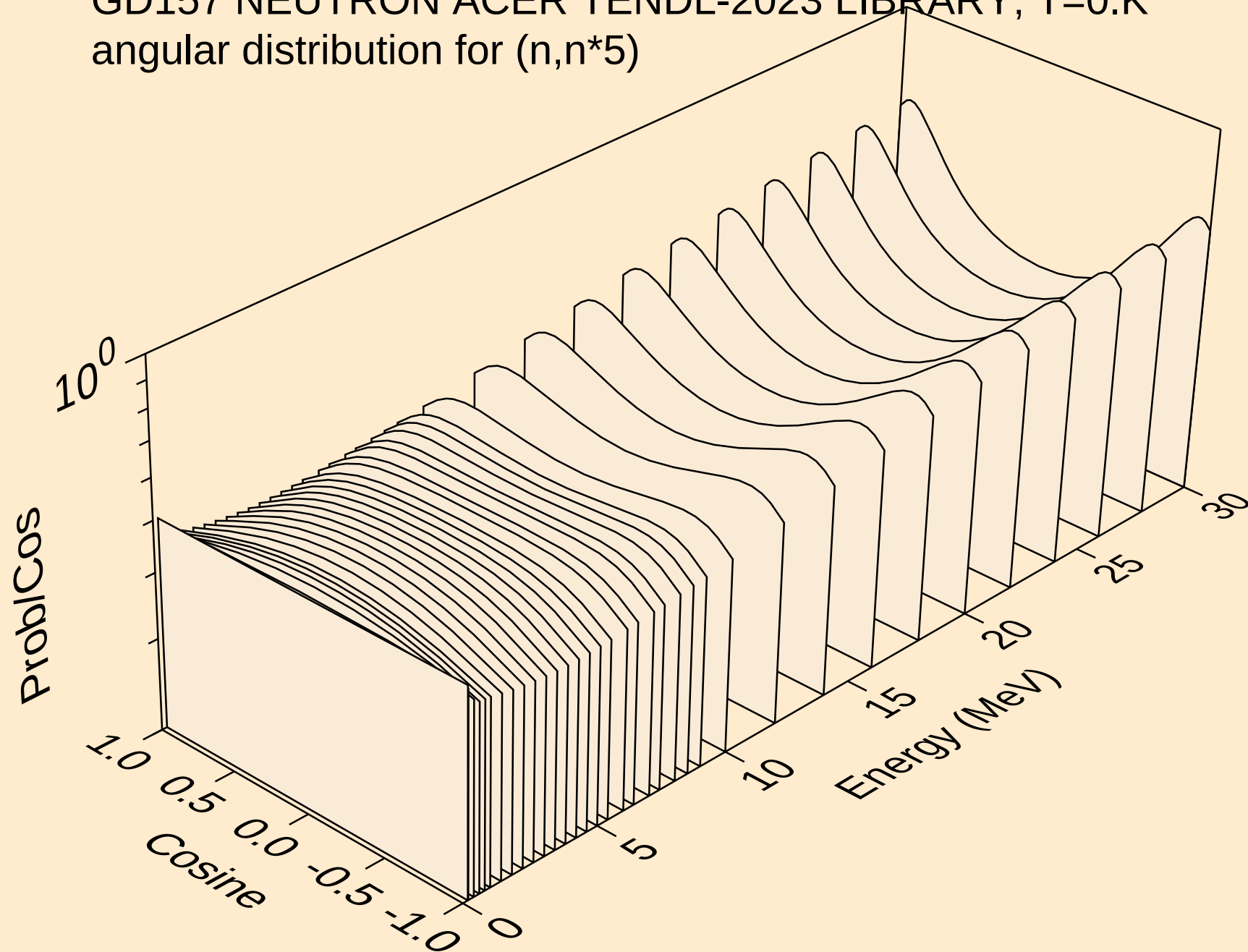
GD157 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*3)



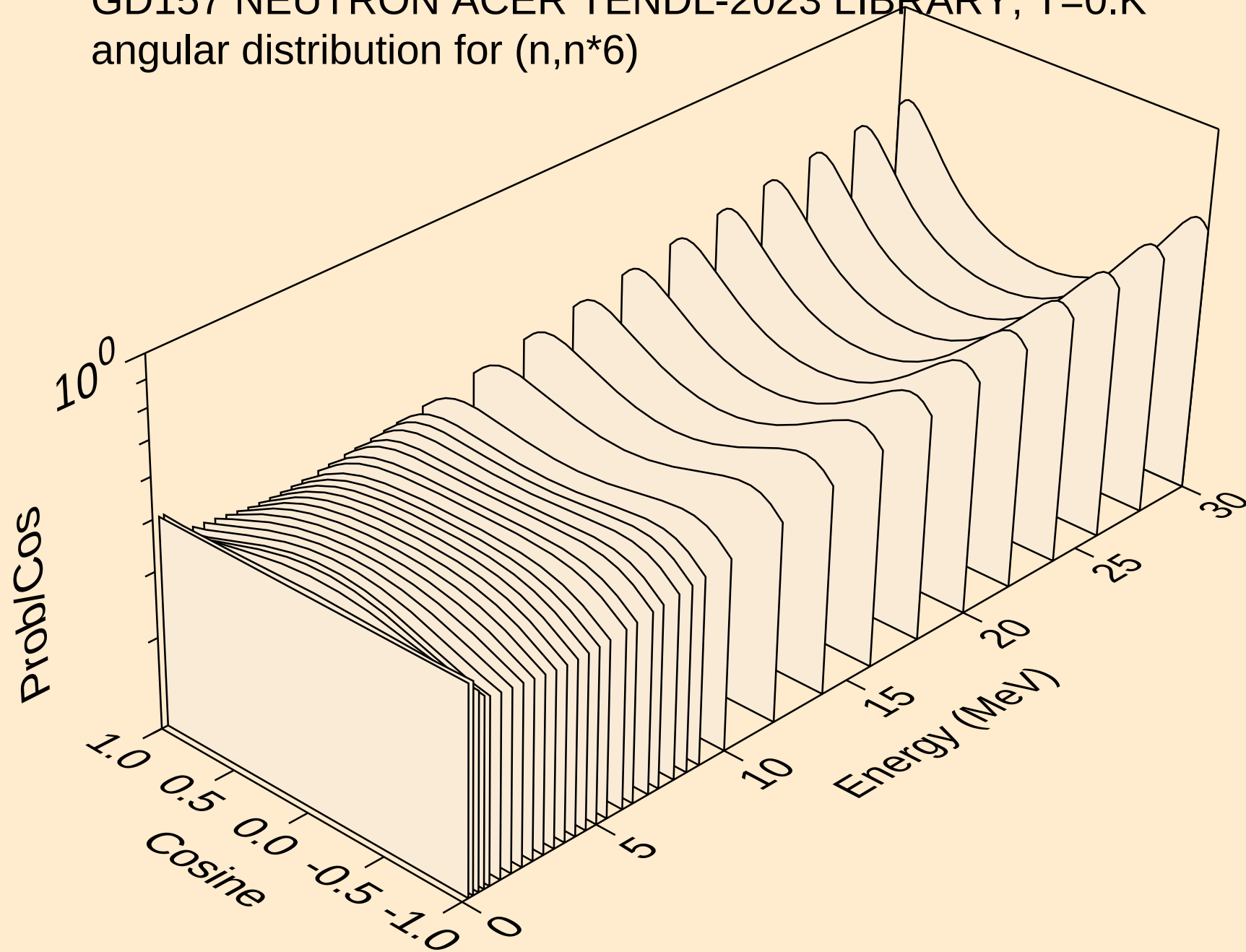
GD157 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*4)



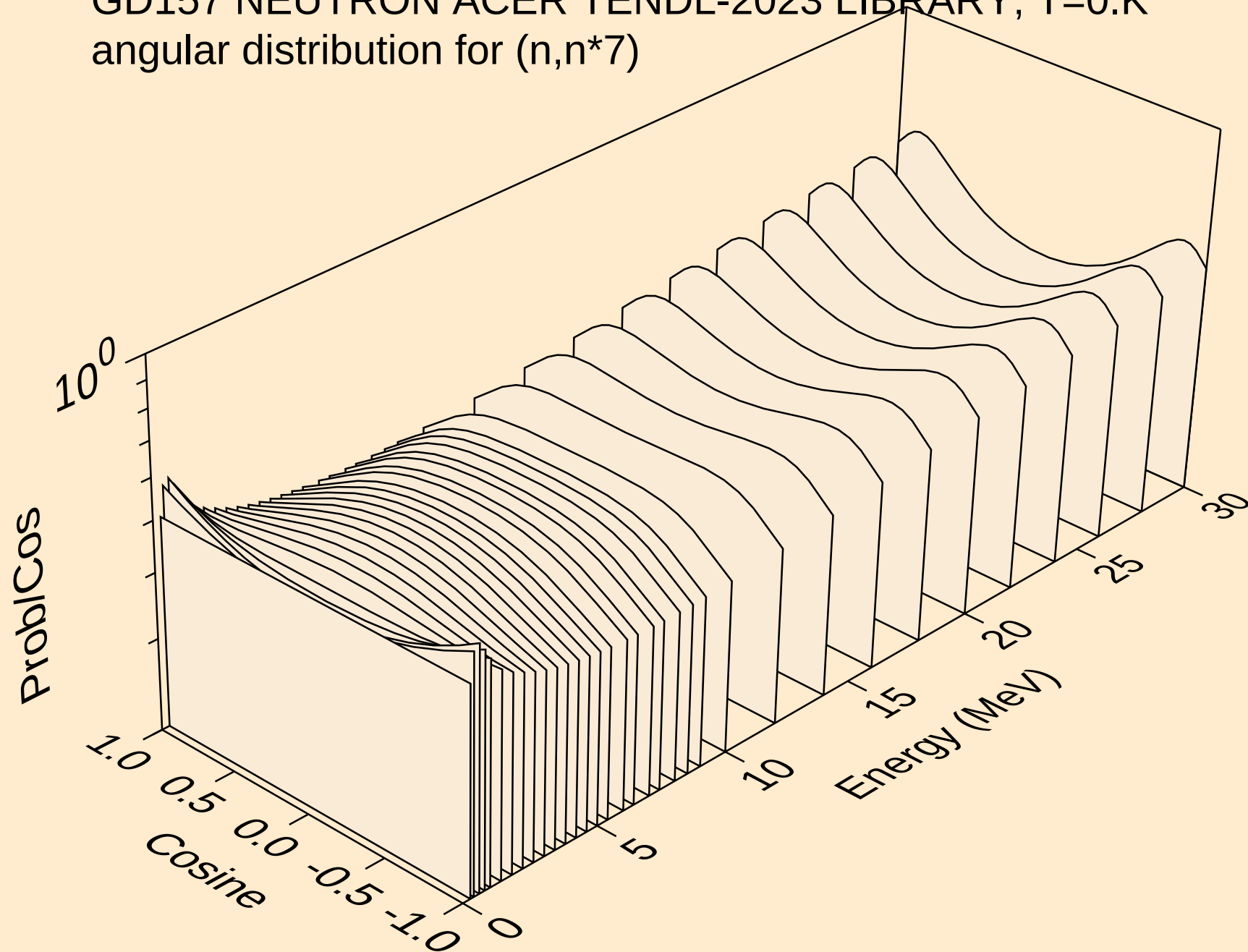
GD157 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*5)



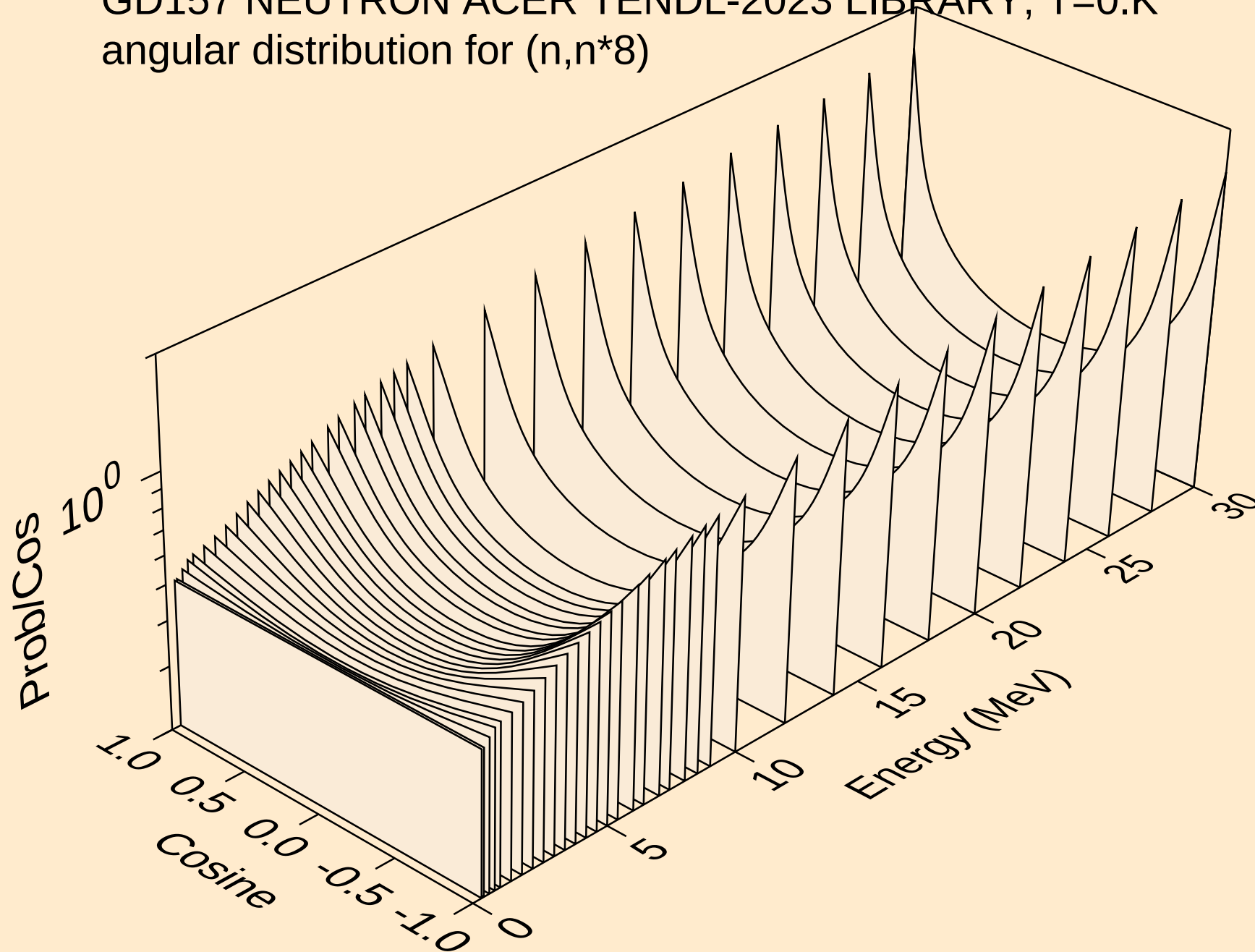
GD157 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*6)



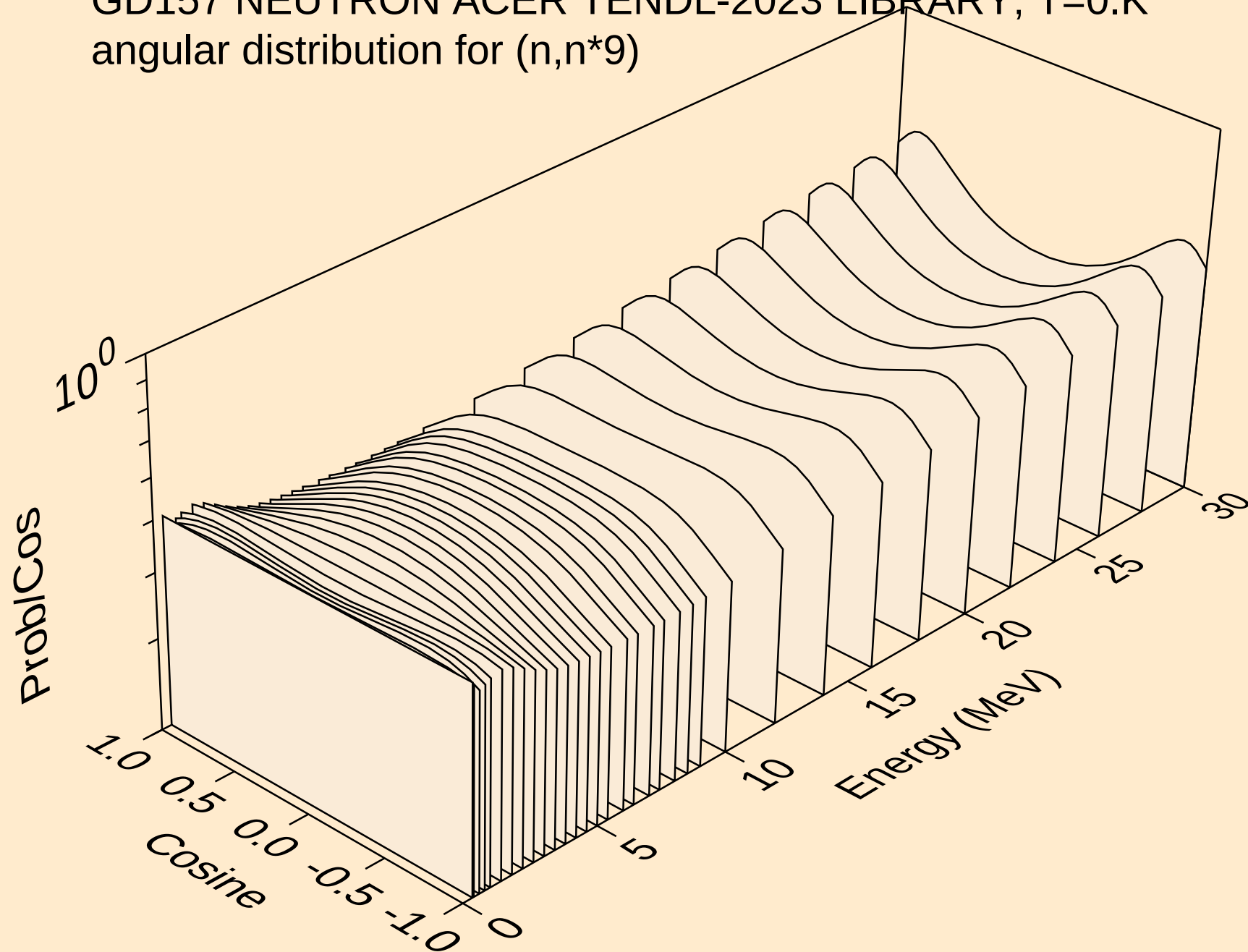
GD157 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*7)



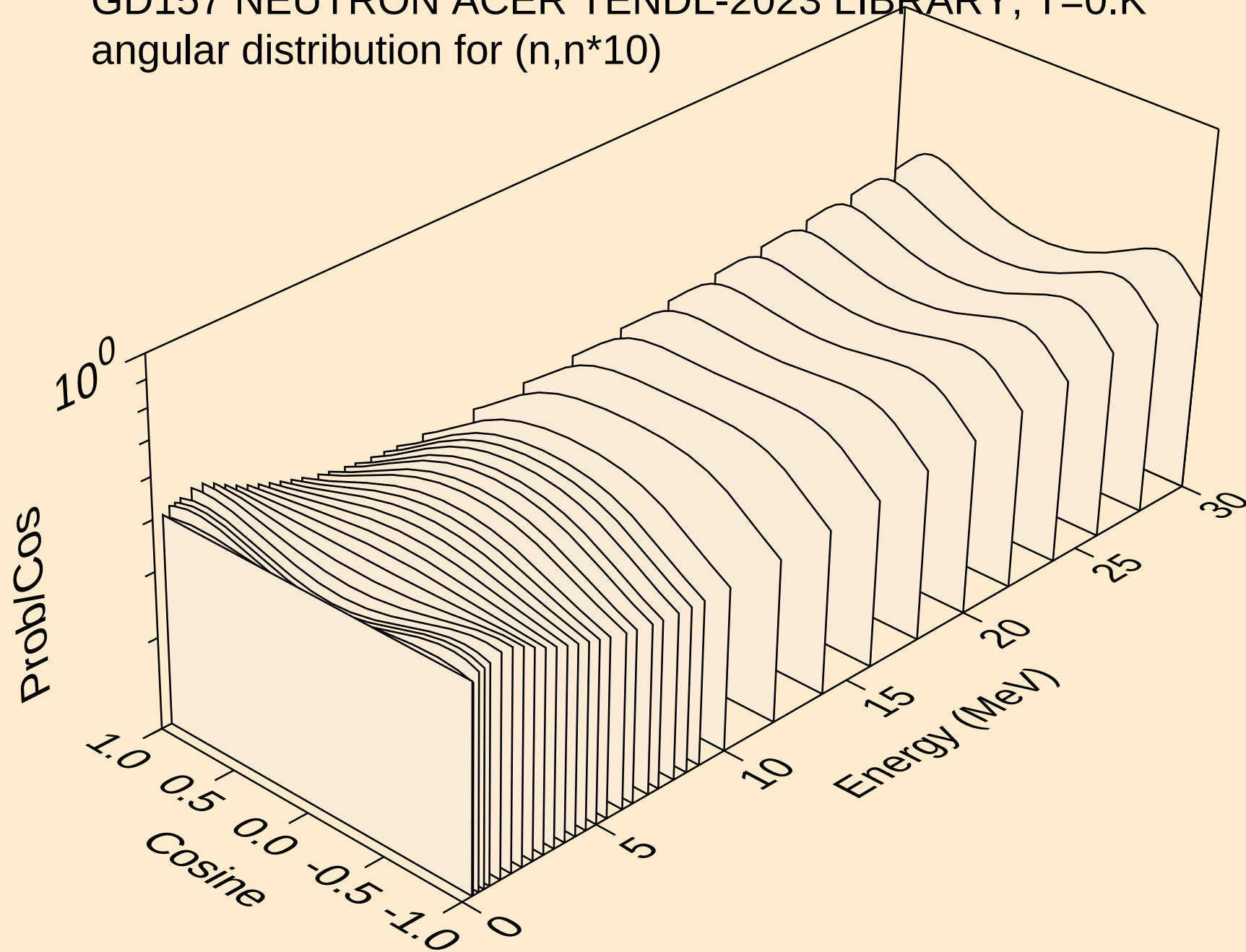
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angular distribution for (n,n\*8)



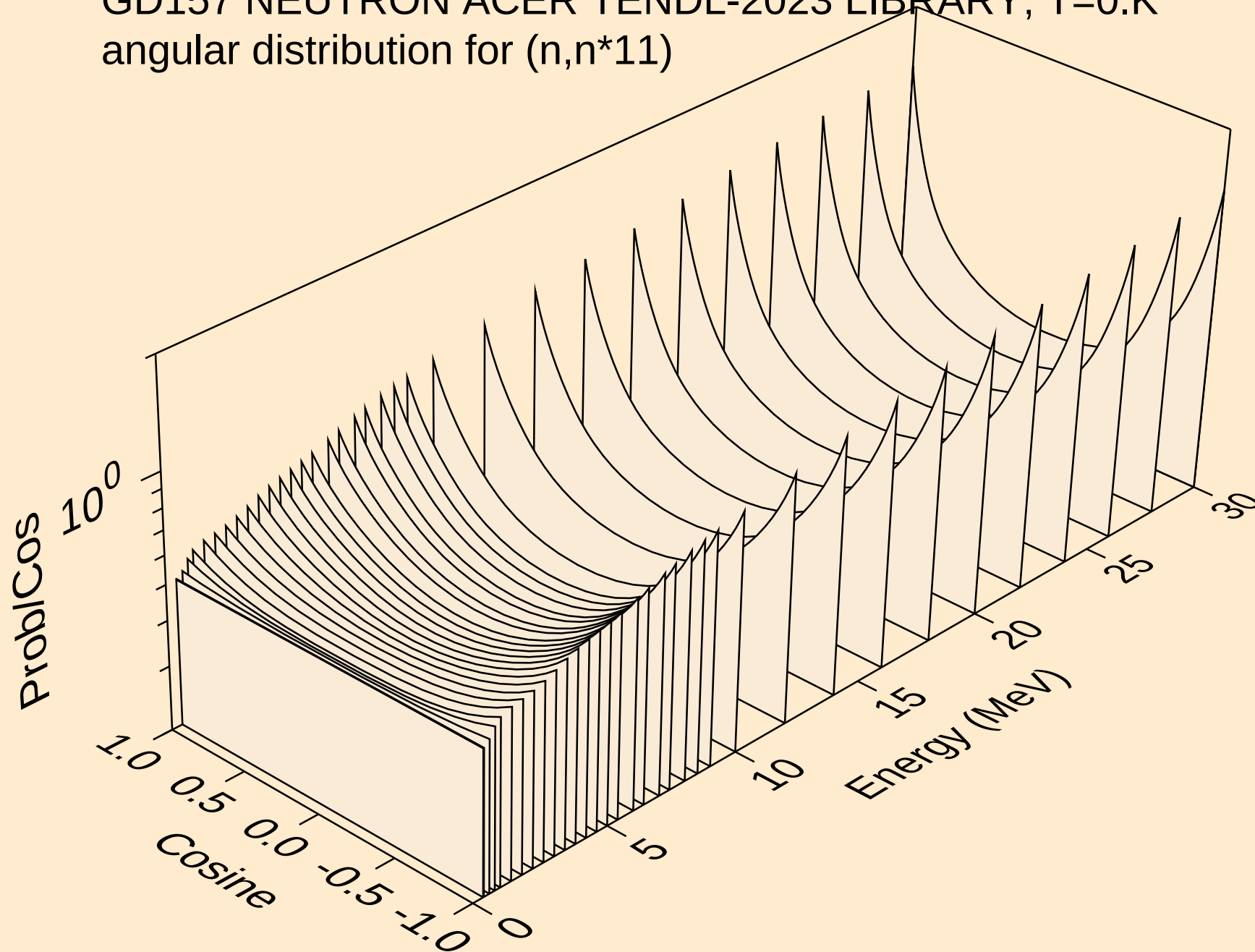
GD157 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*9)



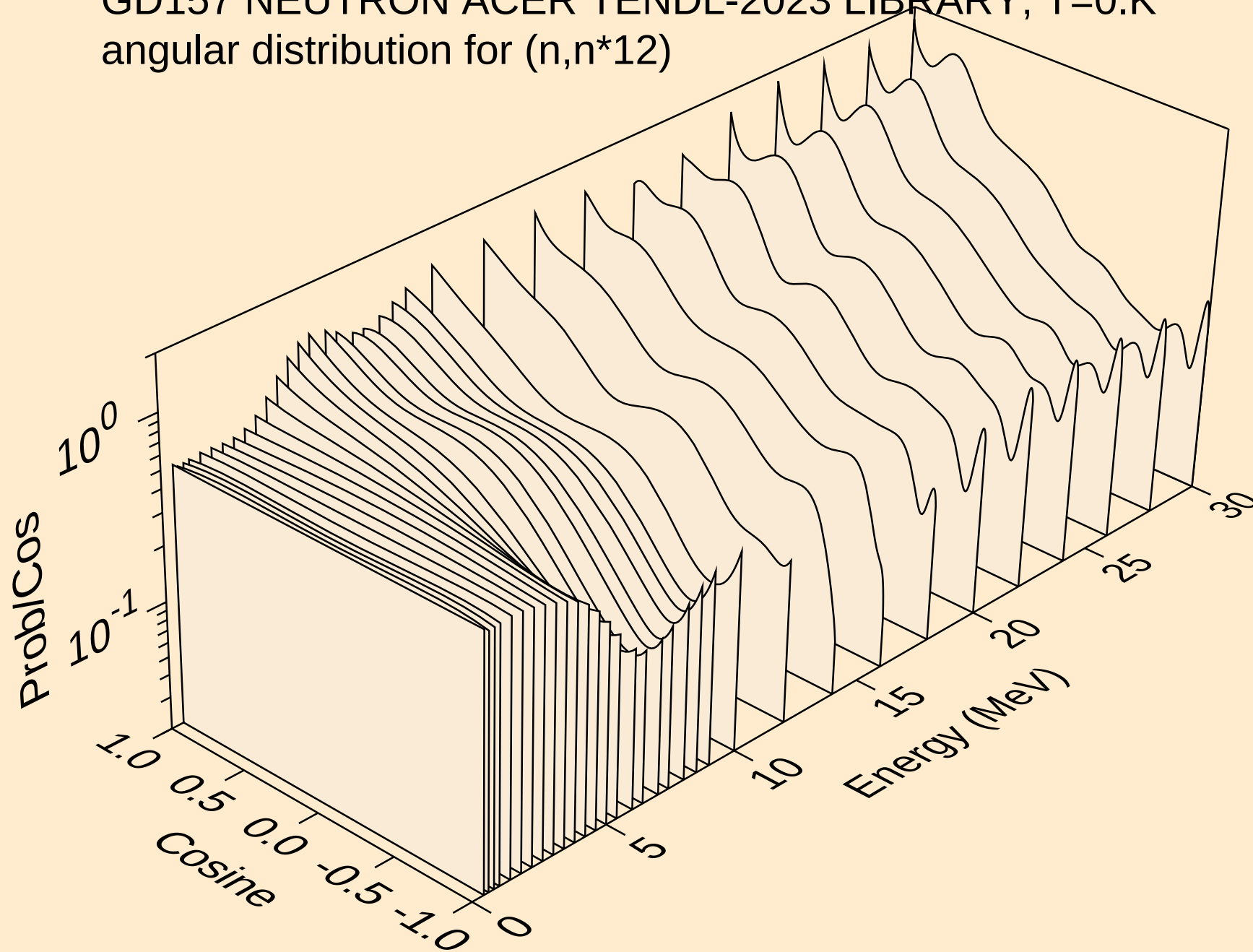
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angular distribution for (n,n\*10)



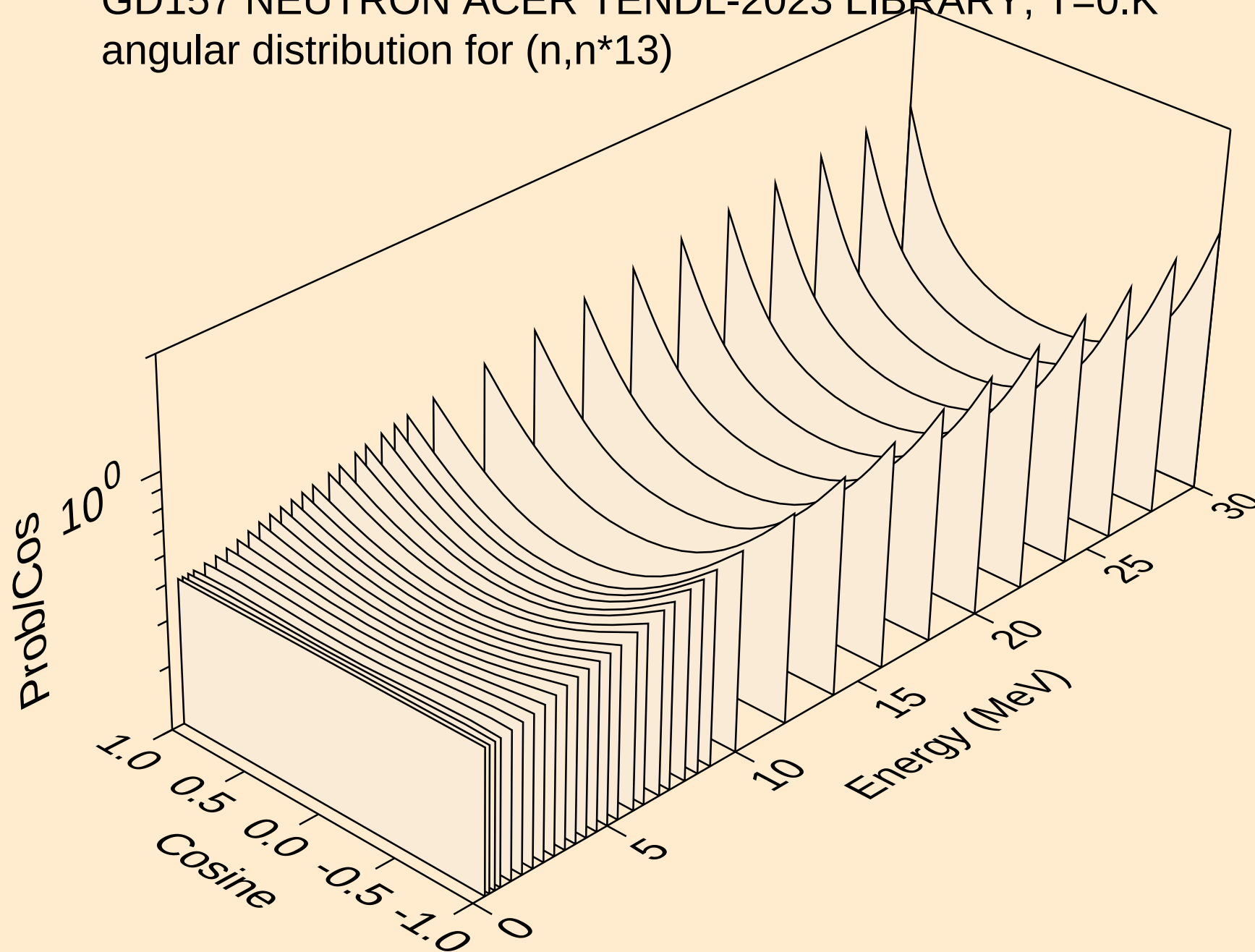
GD157 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*11)



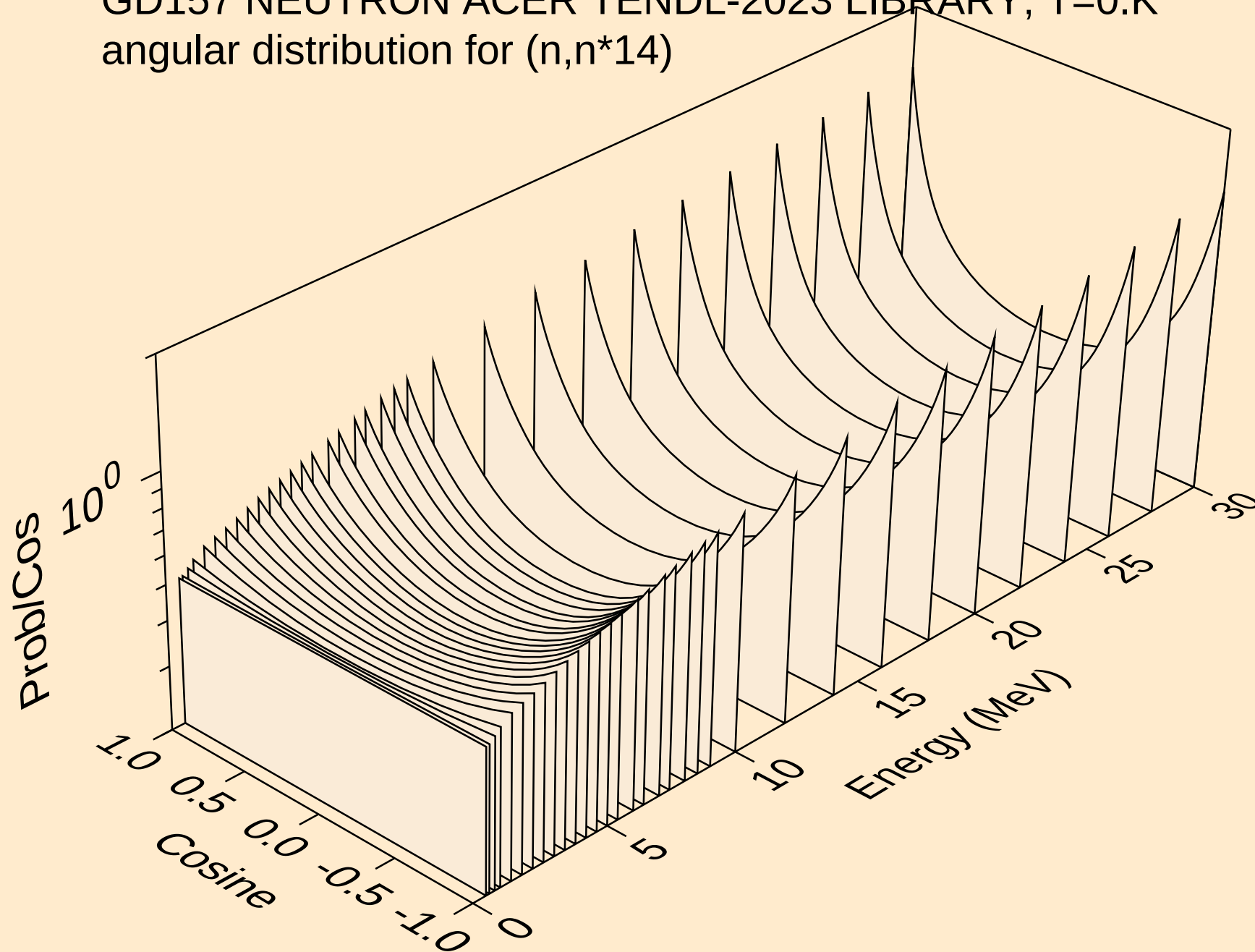
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angular distribution for (n,n\*12)



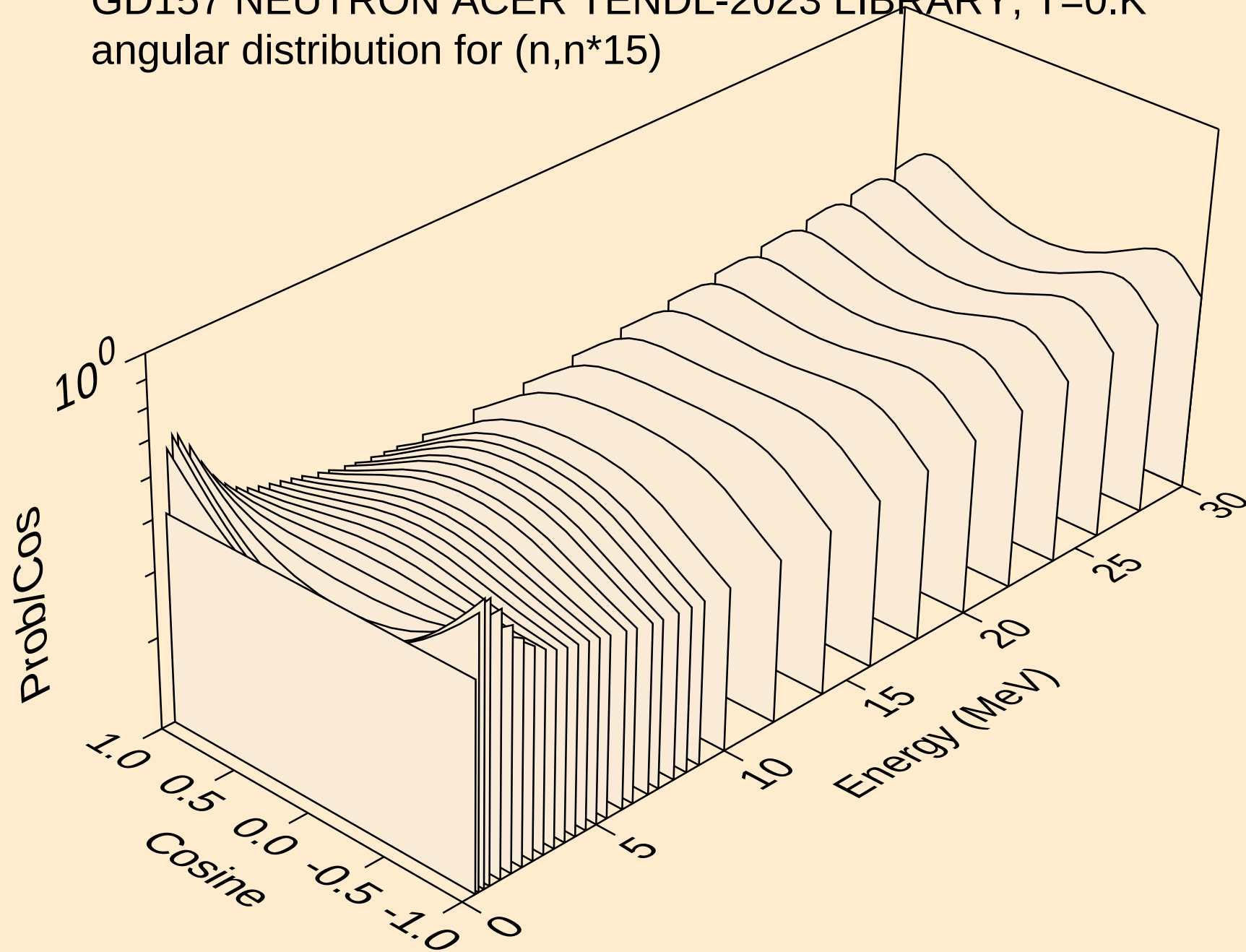
GD157 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*13)



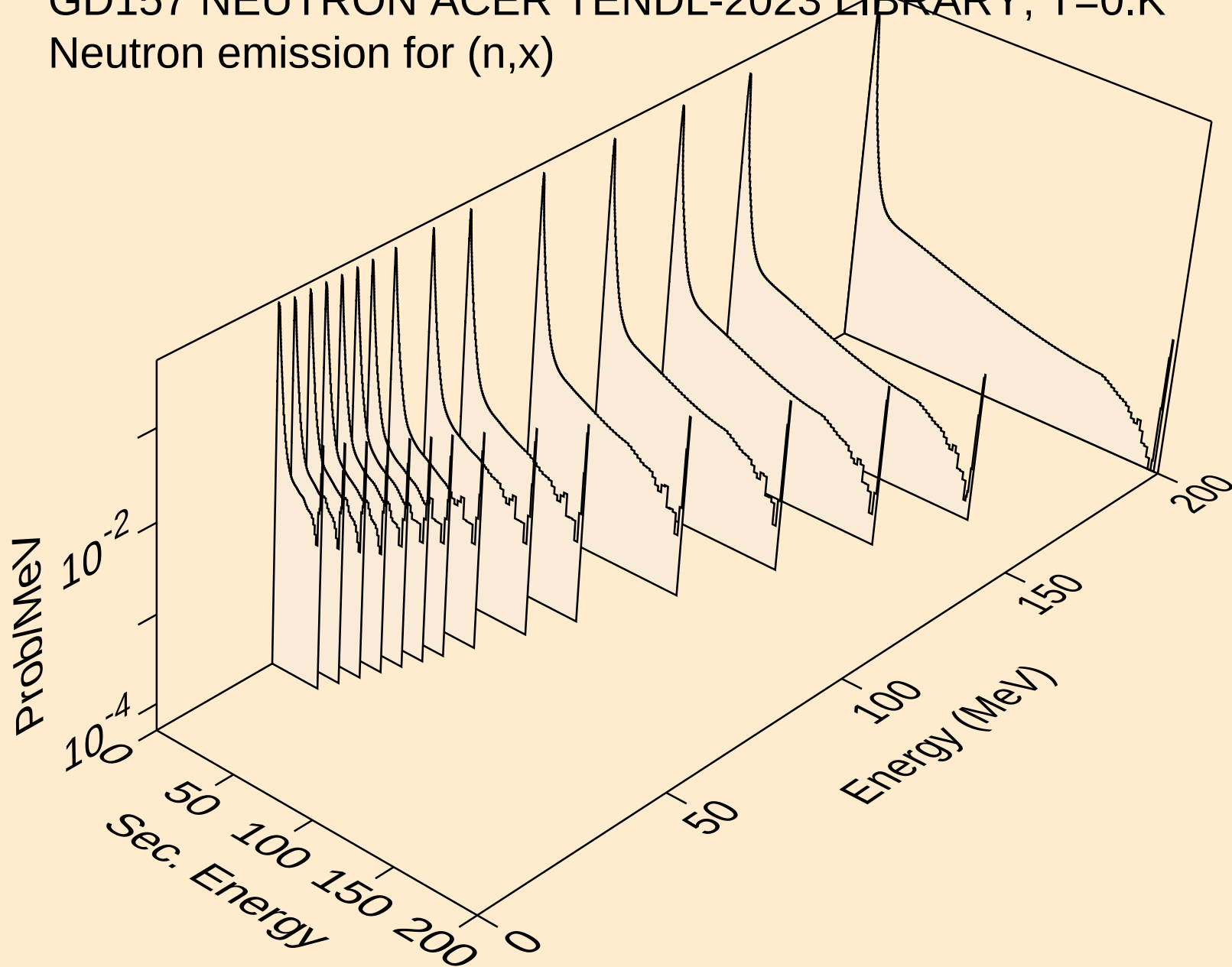
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angular distribution for (n,n\*14)



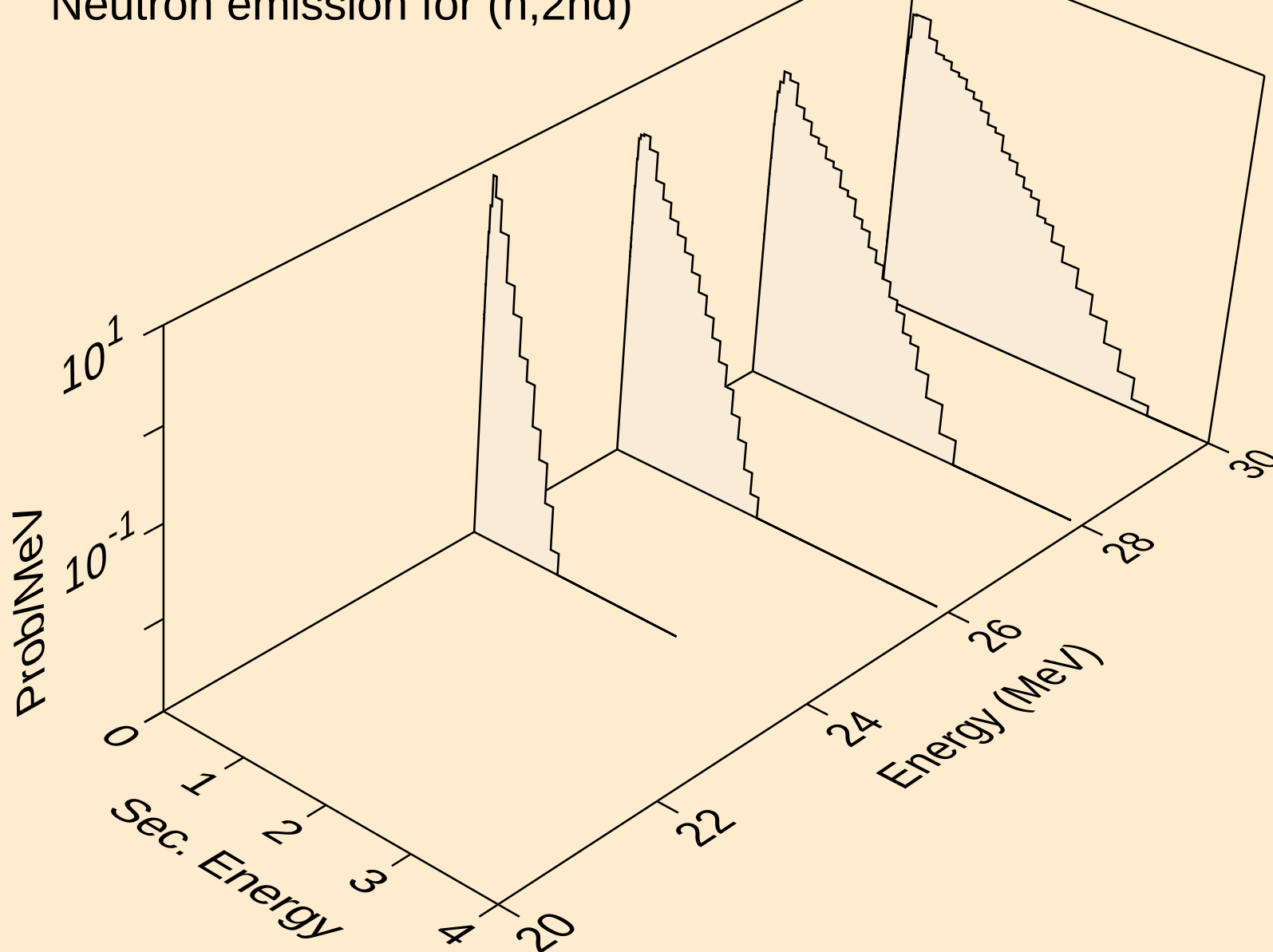
GD157 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*15)



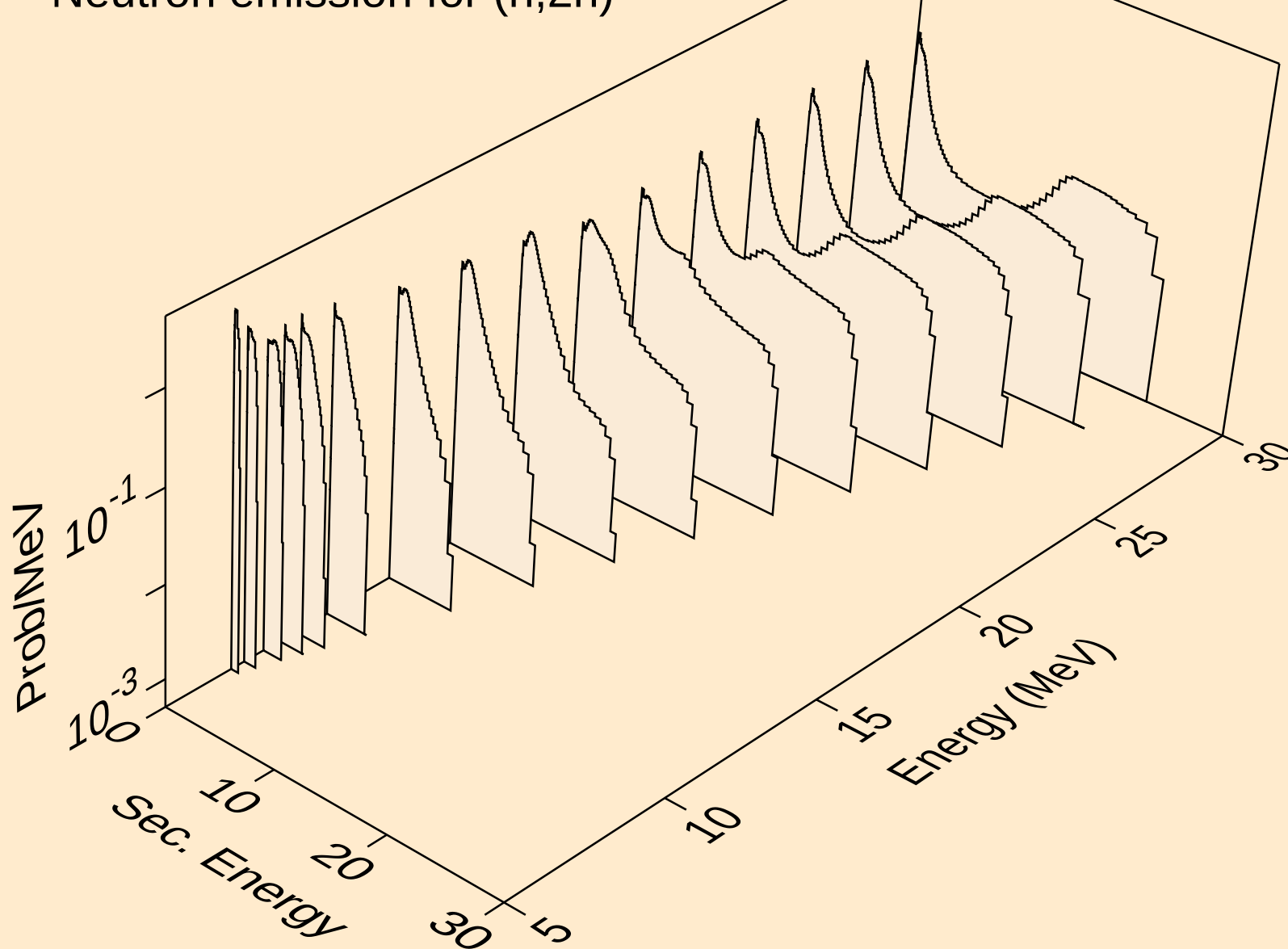
GD157 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,x)



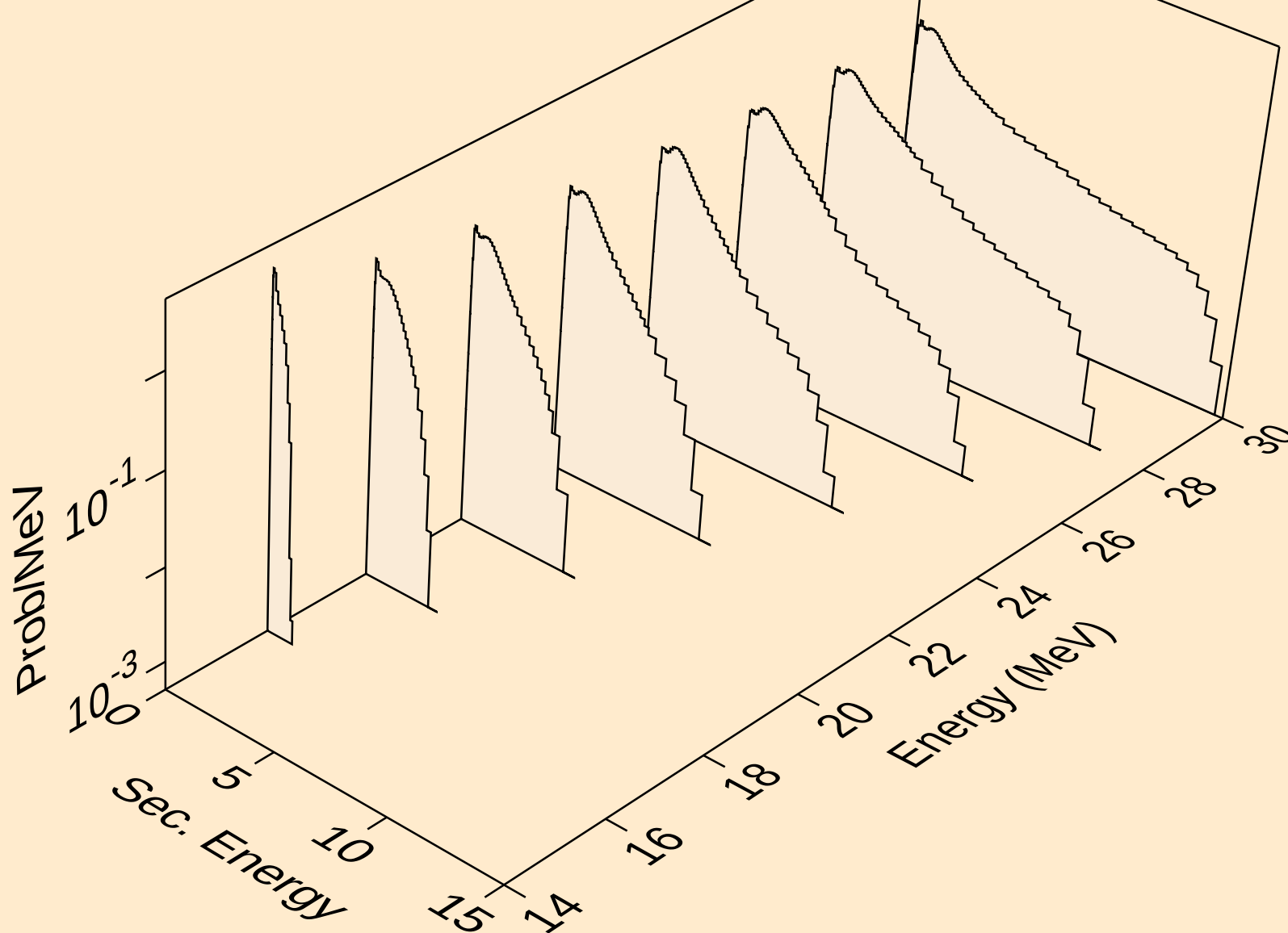
GD157 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



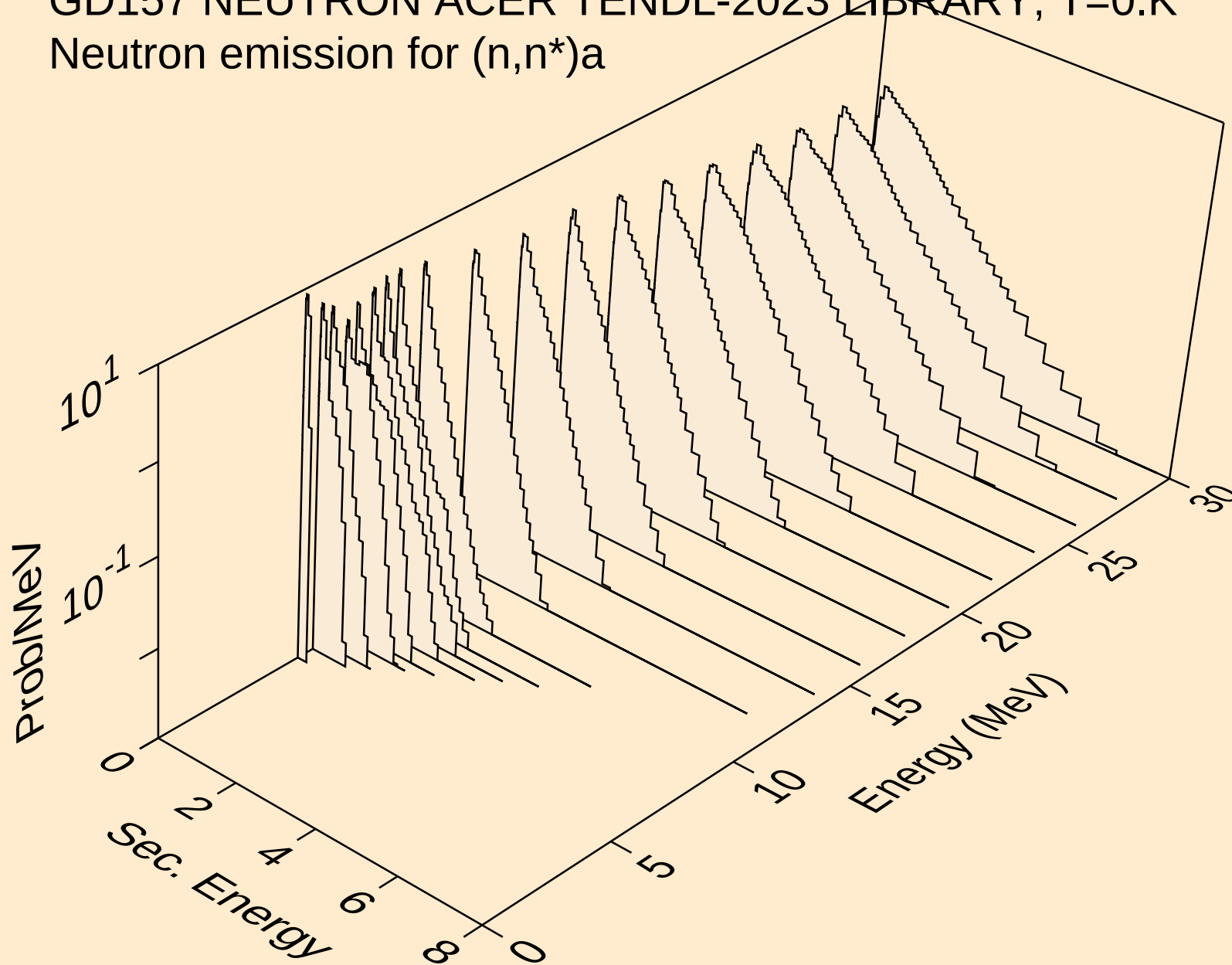
GD157 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)



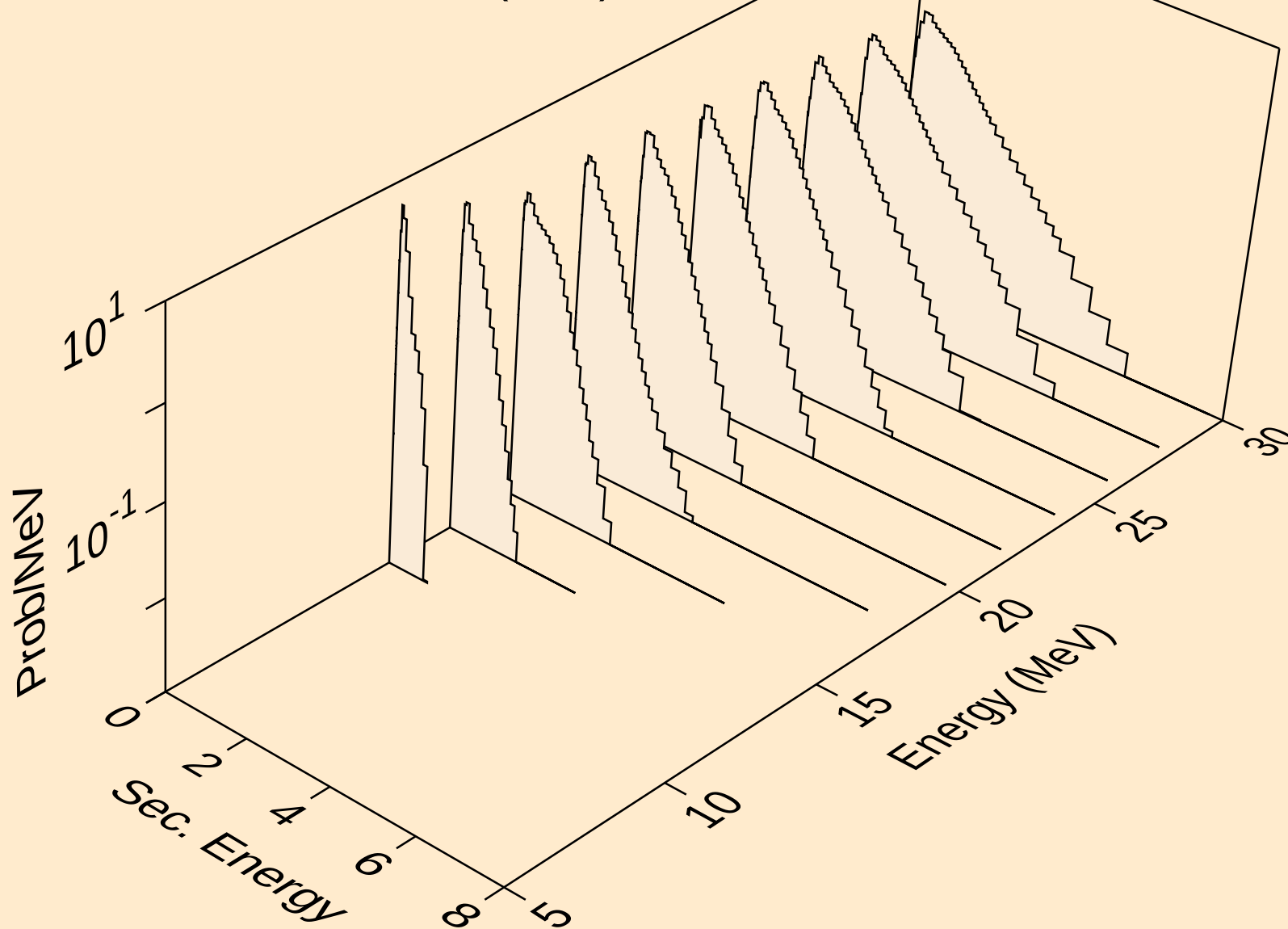
GD157 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)



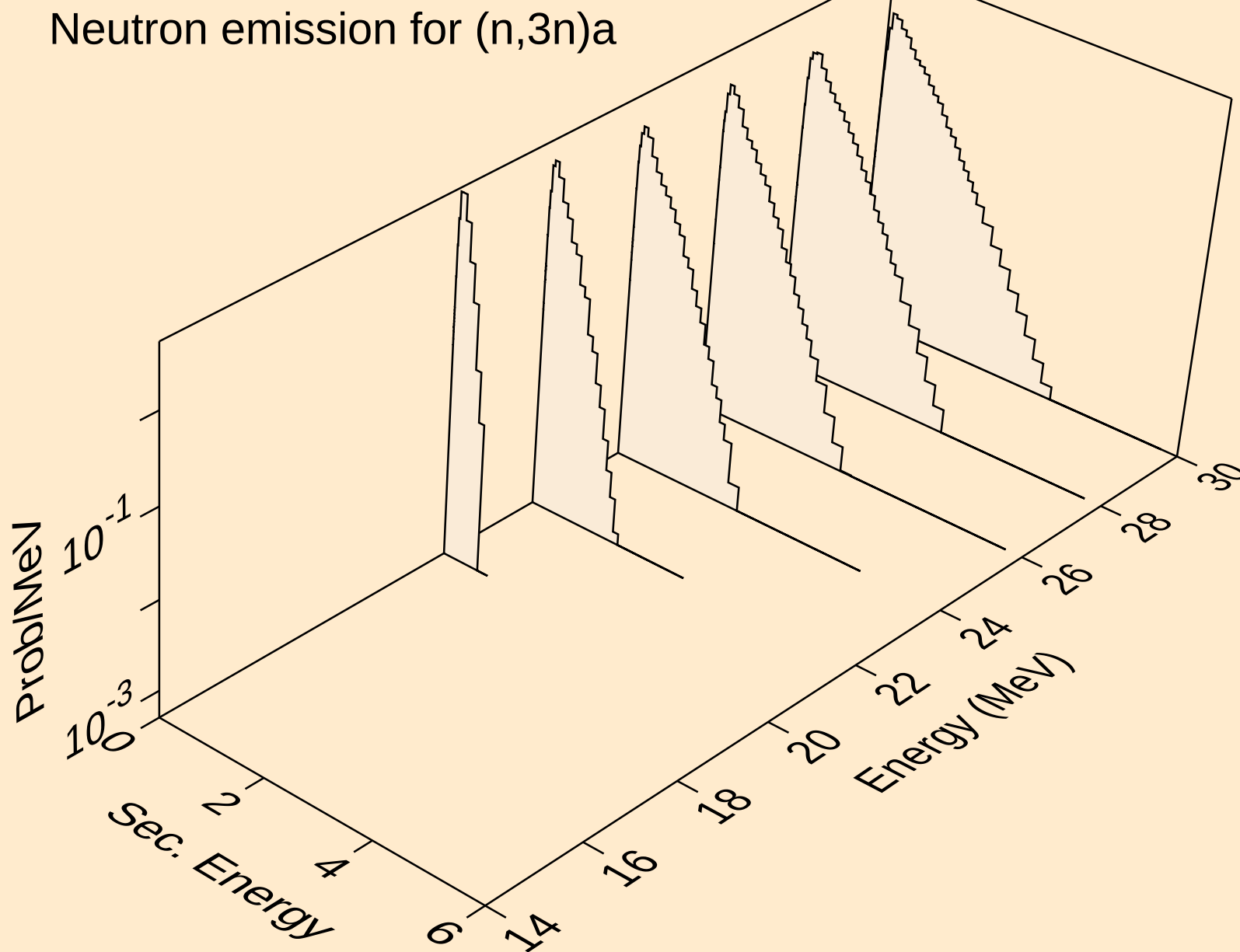
GD157 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



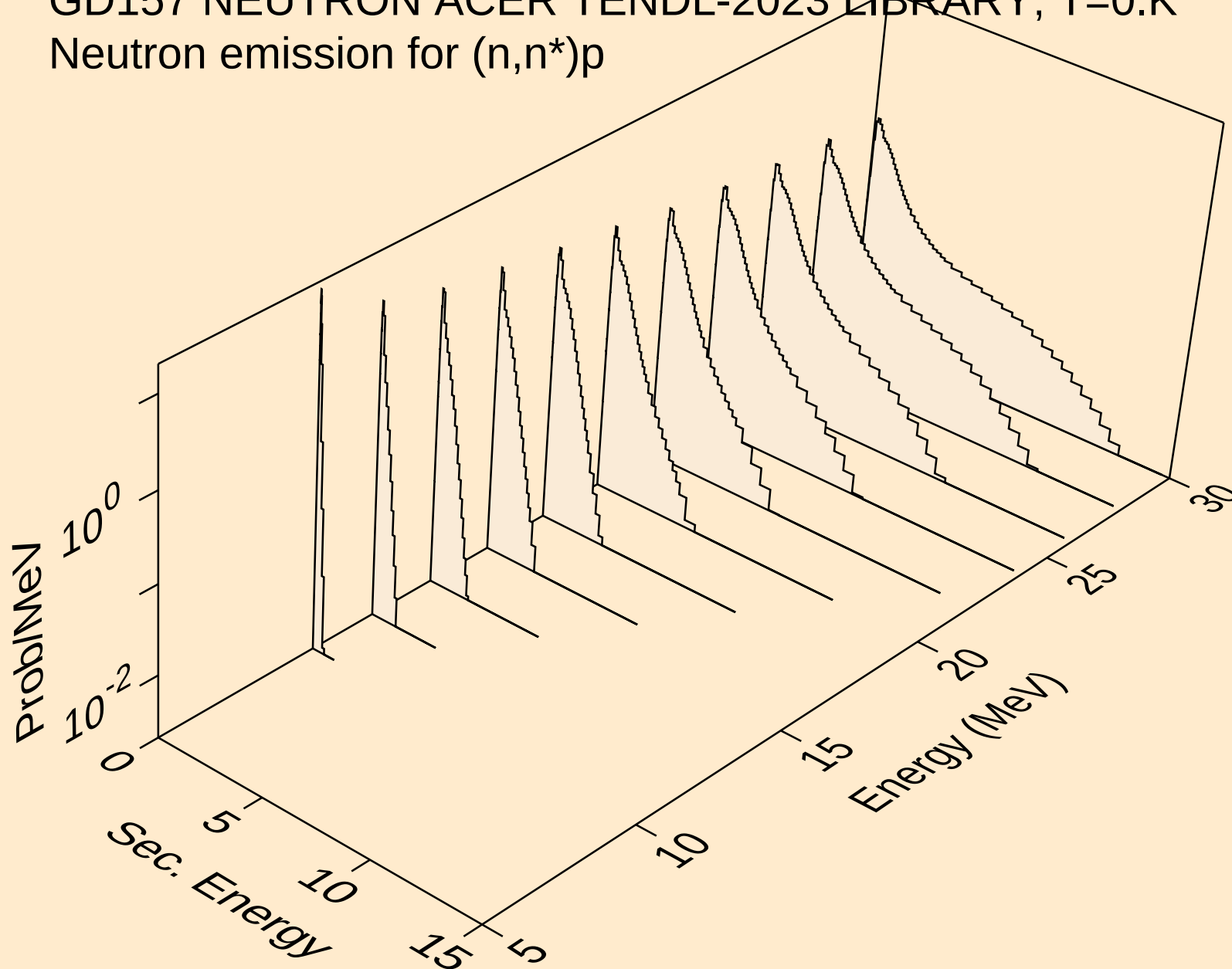
GD157 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)<sub>a</sub>



GD157 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)a

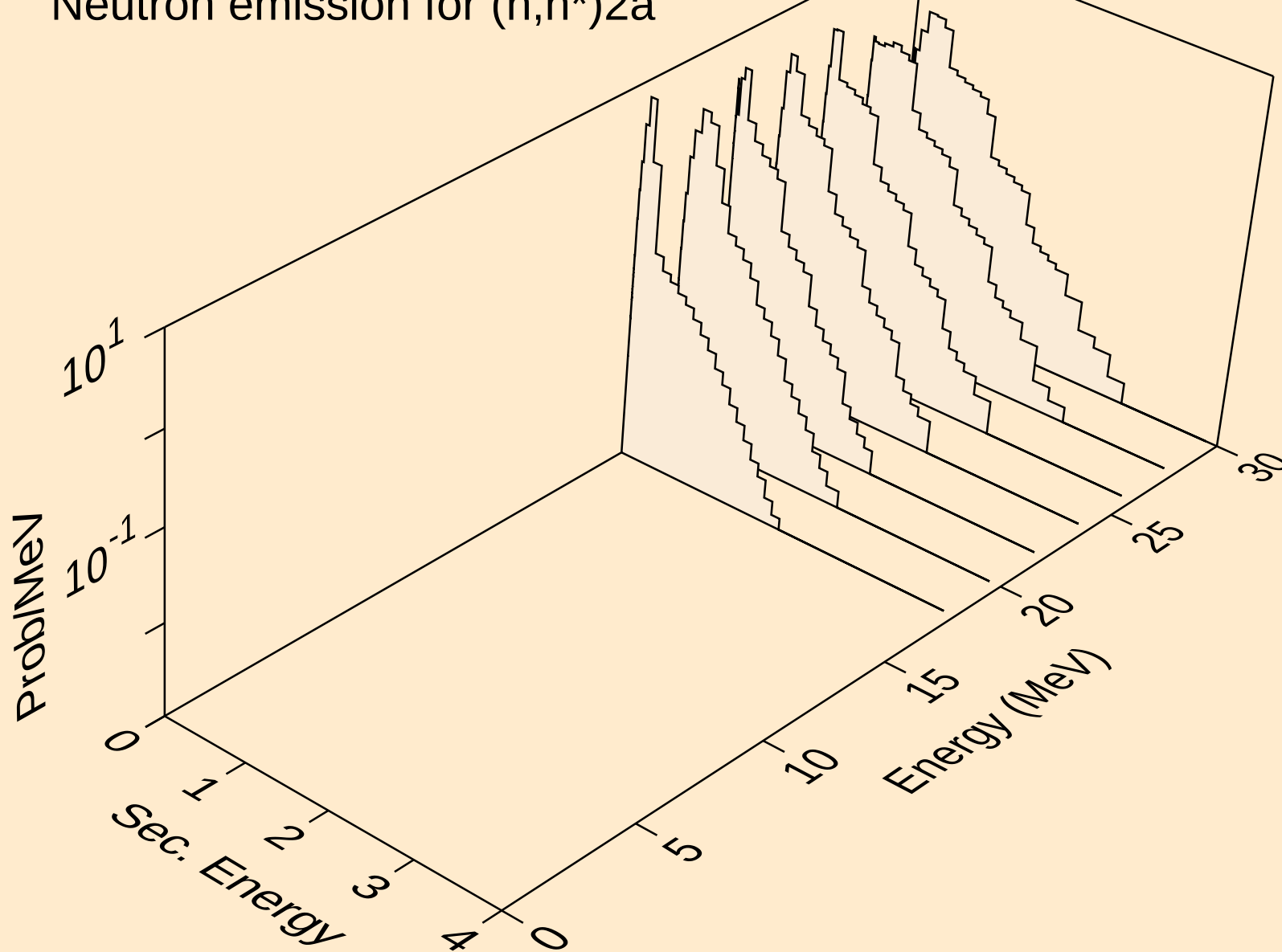


GD157 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p

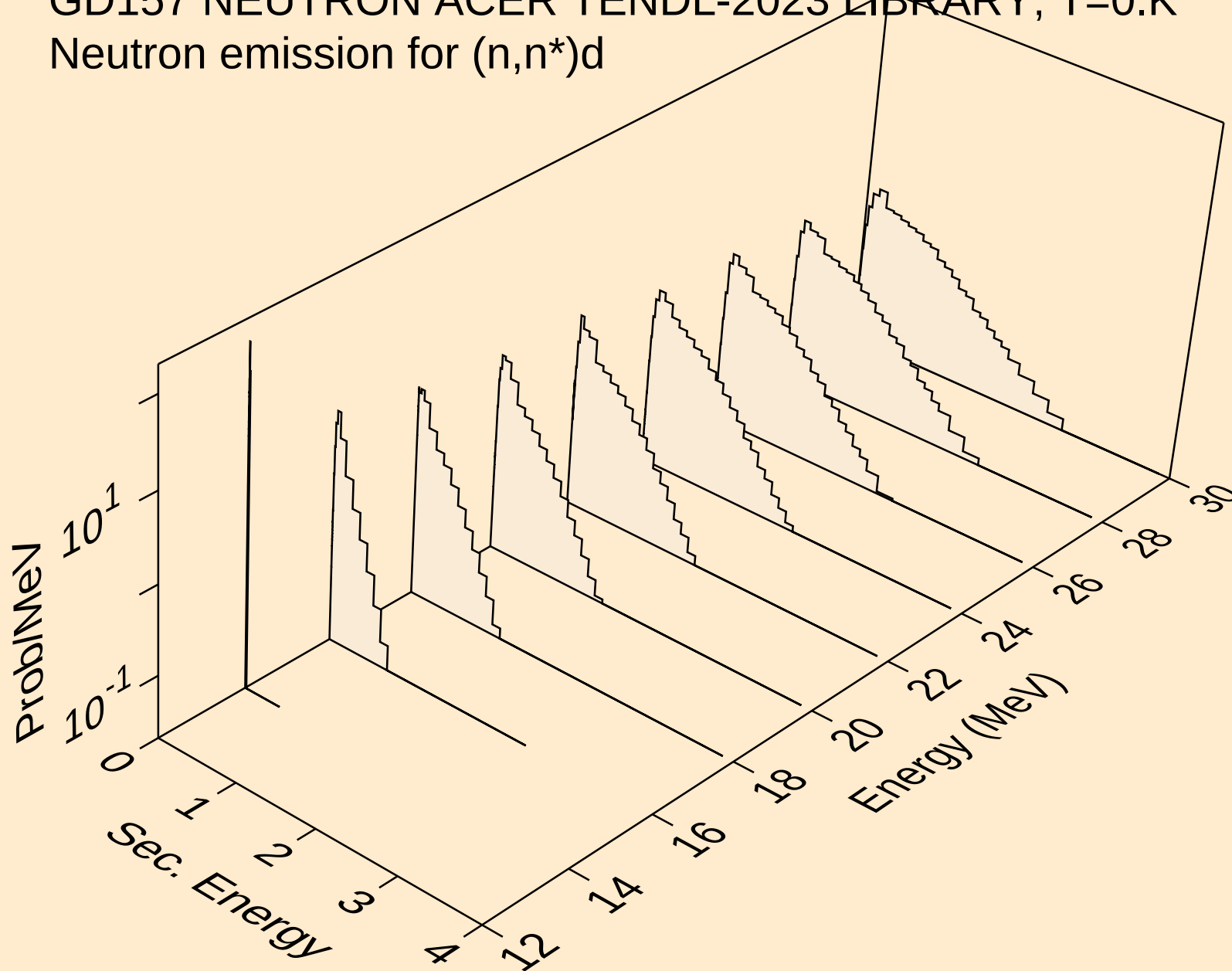


GD157 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

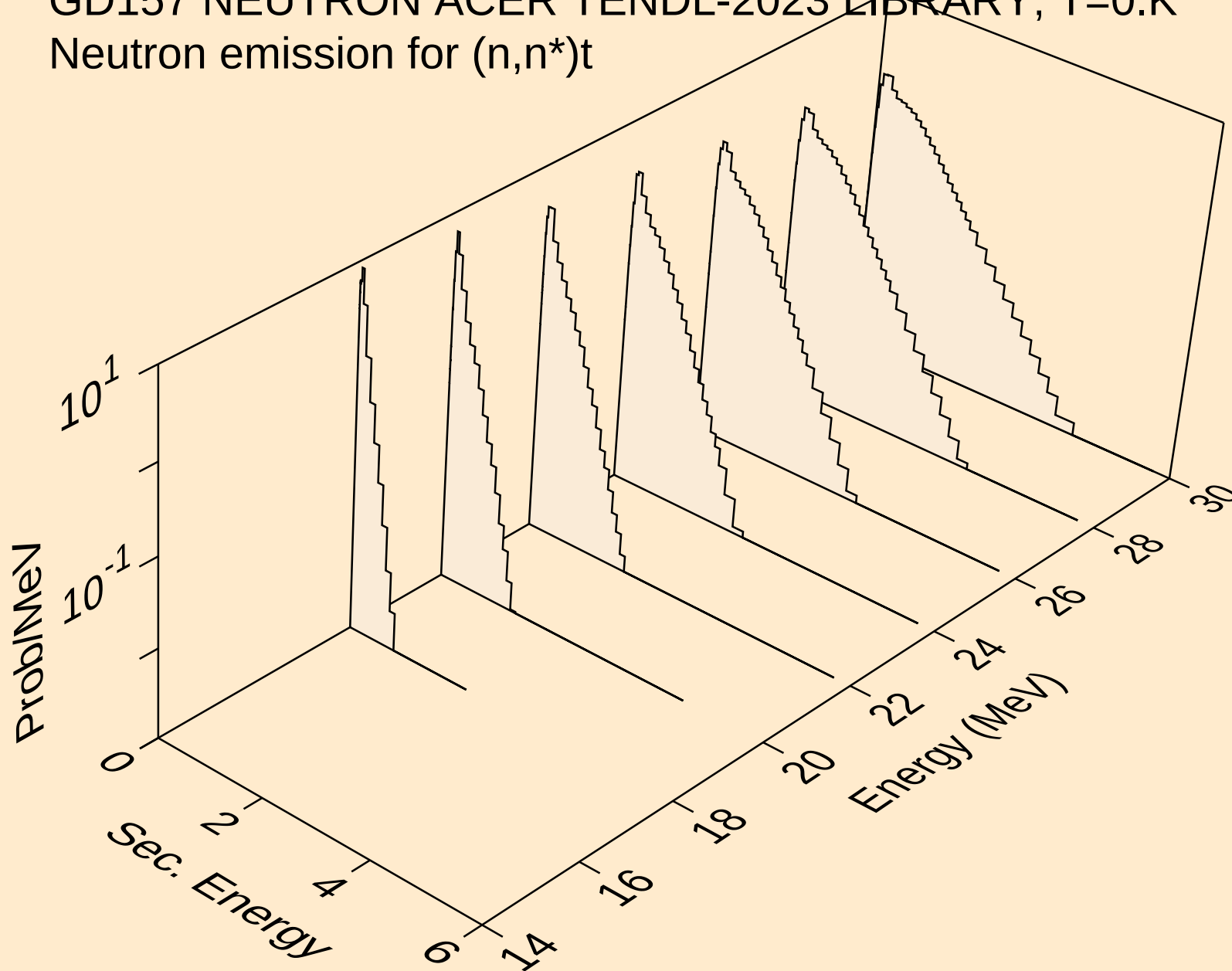
Neutron emission for (n,n\*)2a



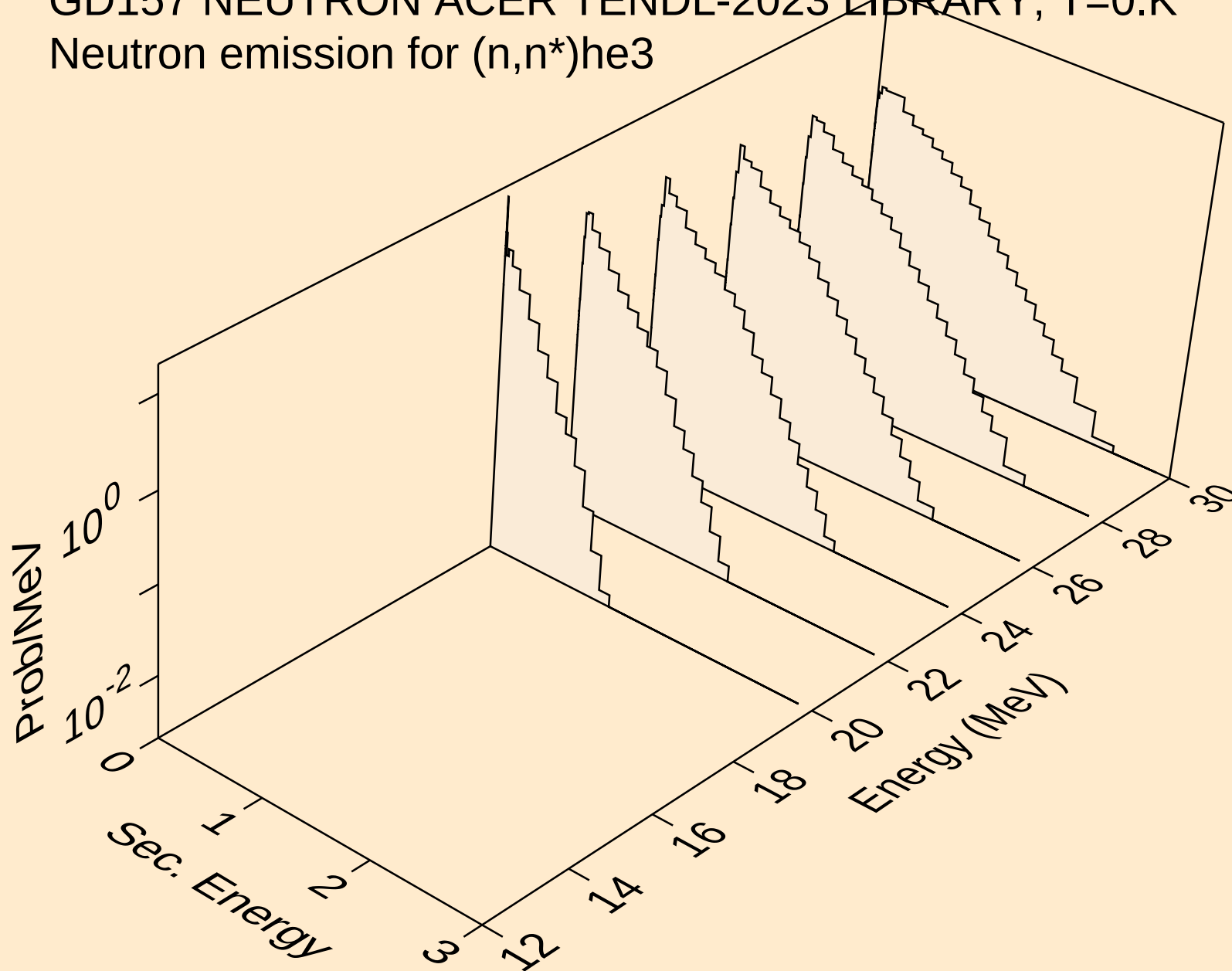
GD157 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d



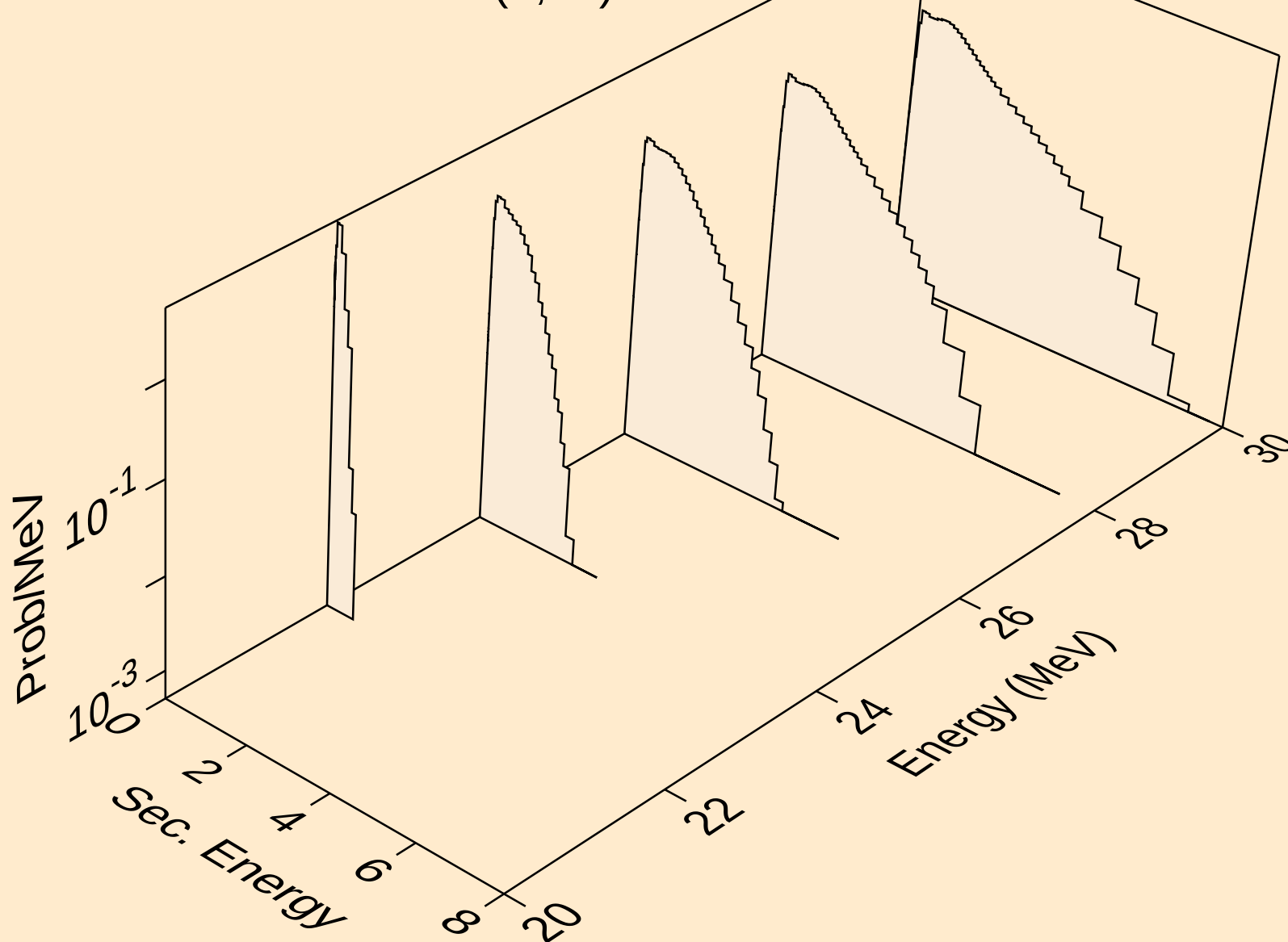
GD157 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



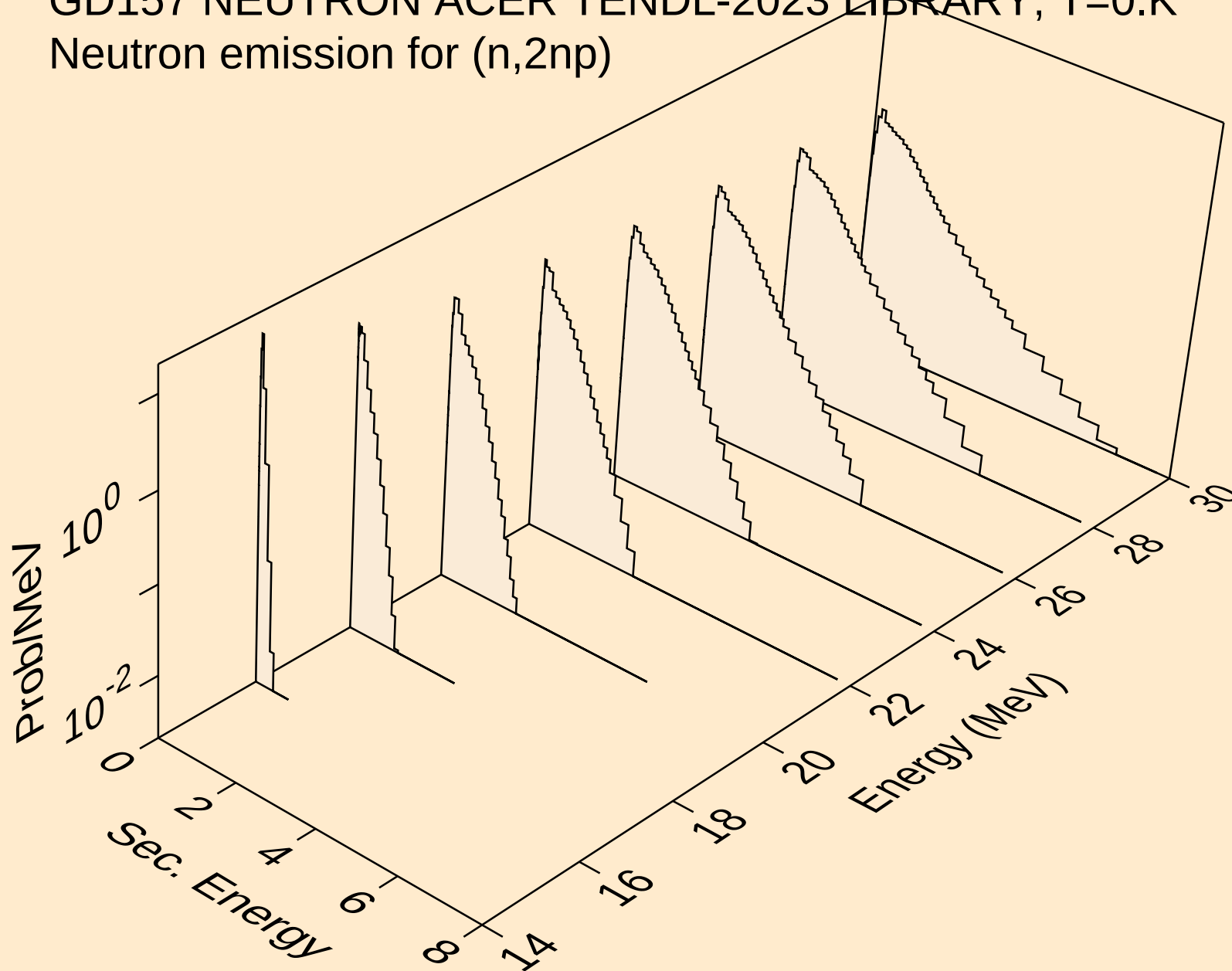
GD157 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



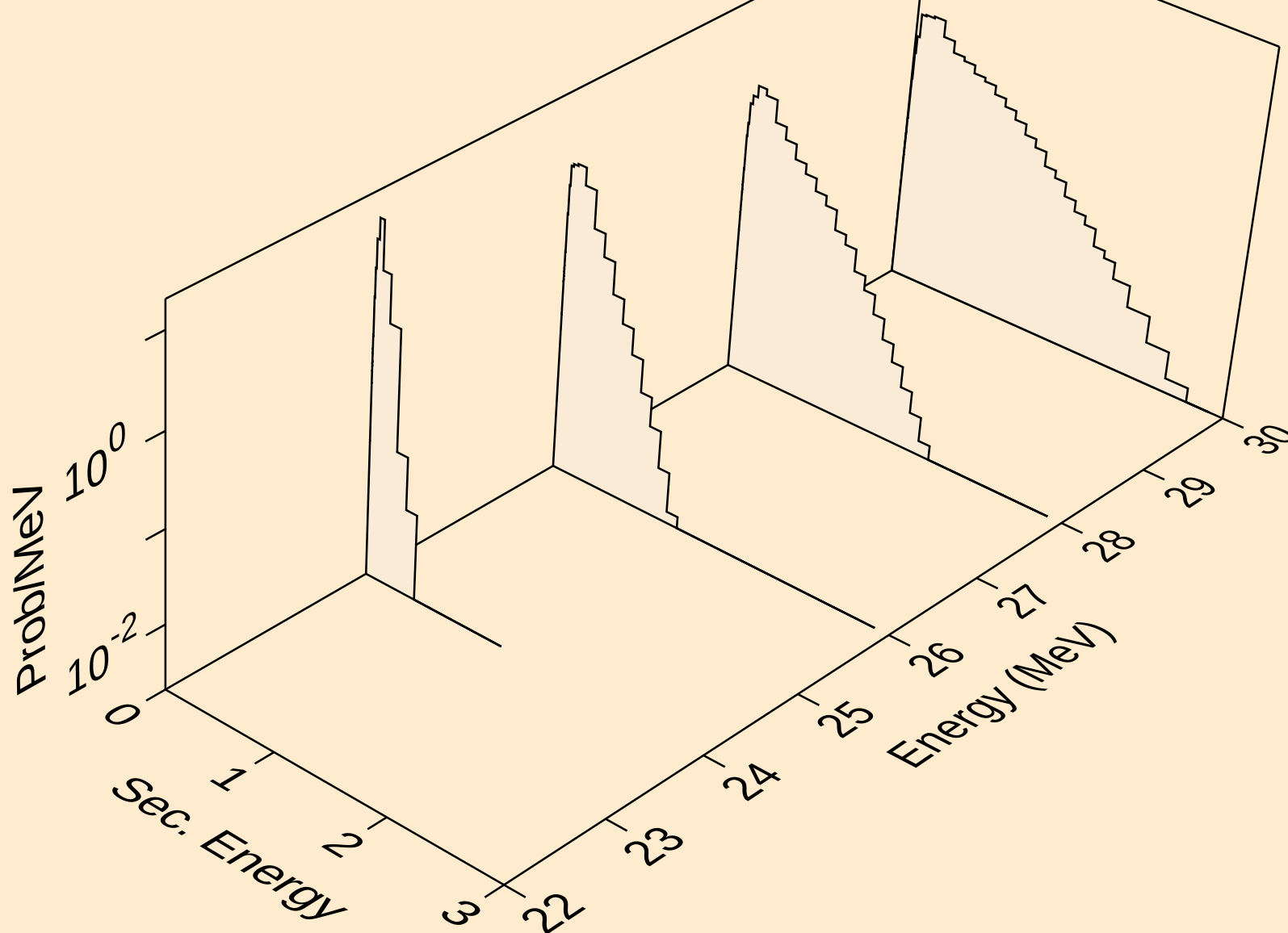
GD157 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,4n)



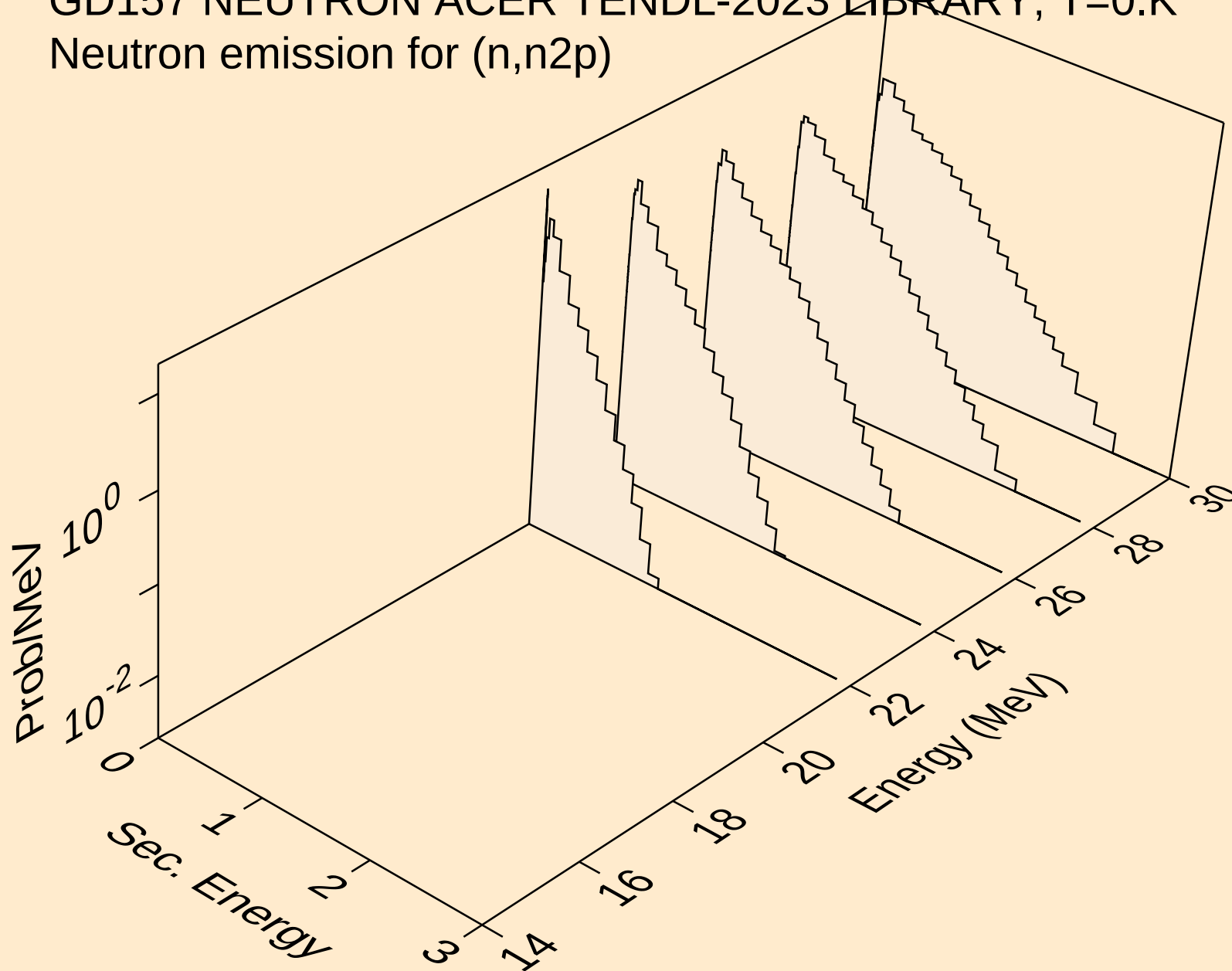
GD157 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2np)



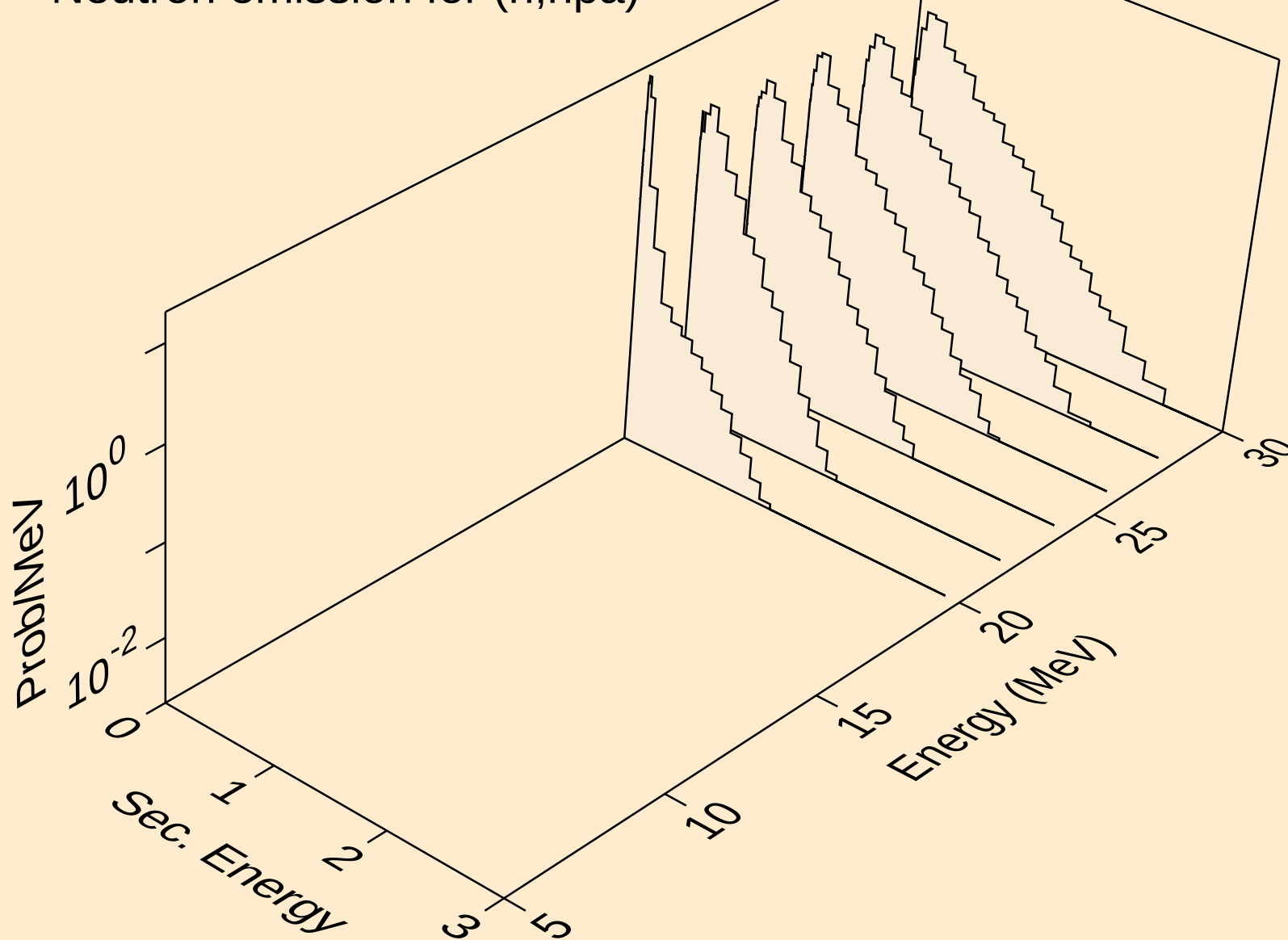
GD157 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3np)



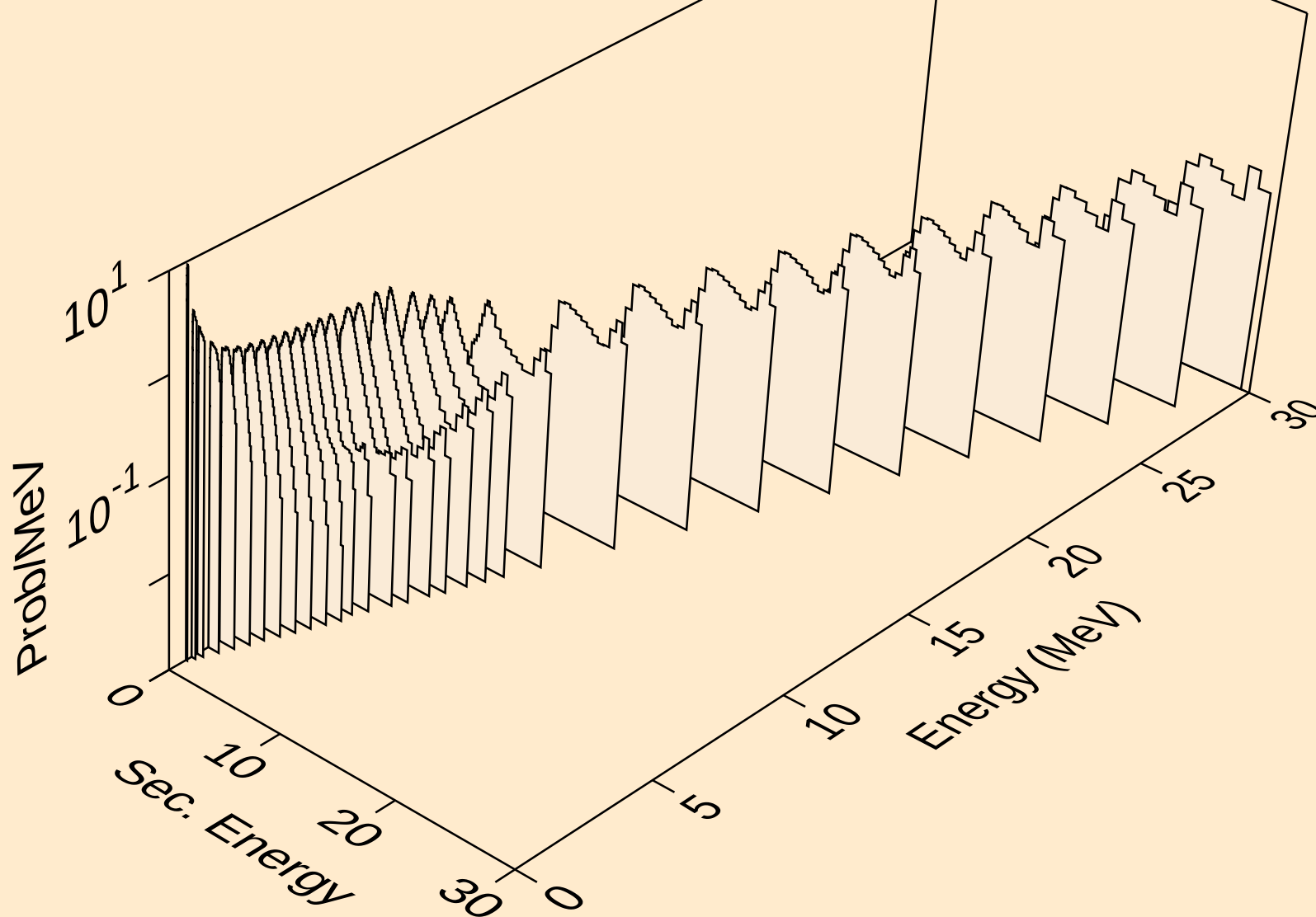
GD157 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n2p)



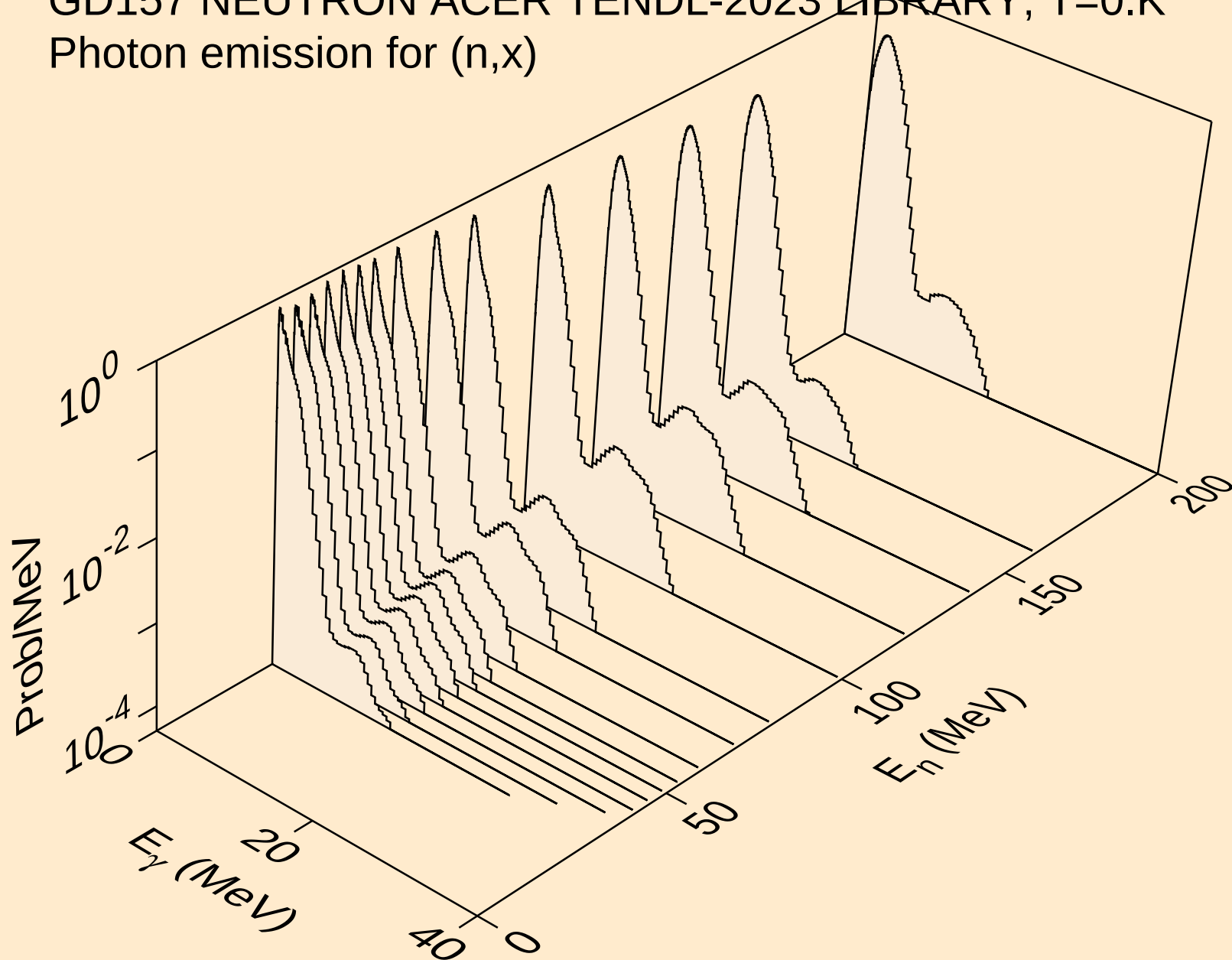
GD157 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,npa)



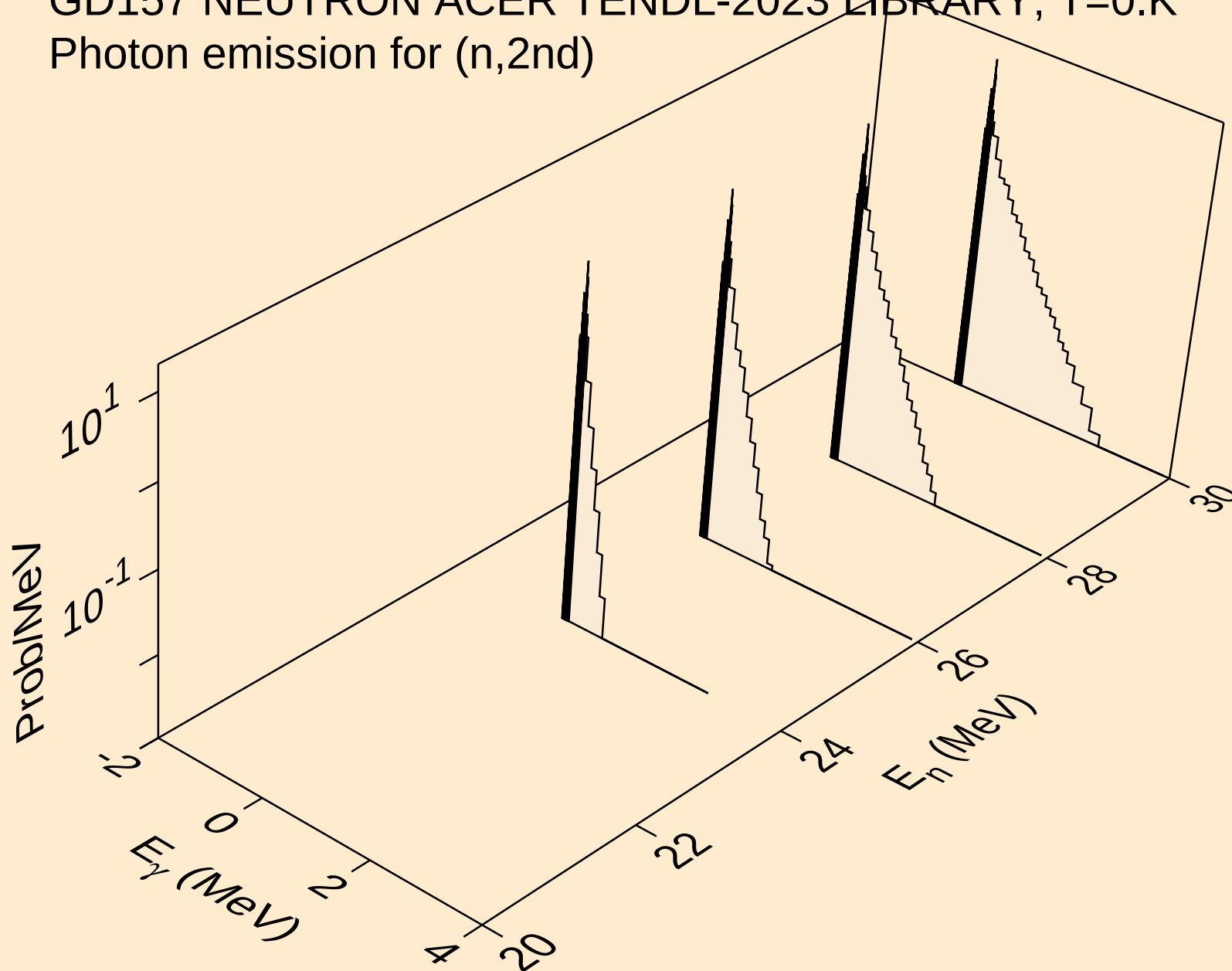
GD157 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)



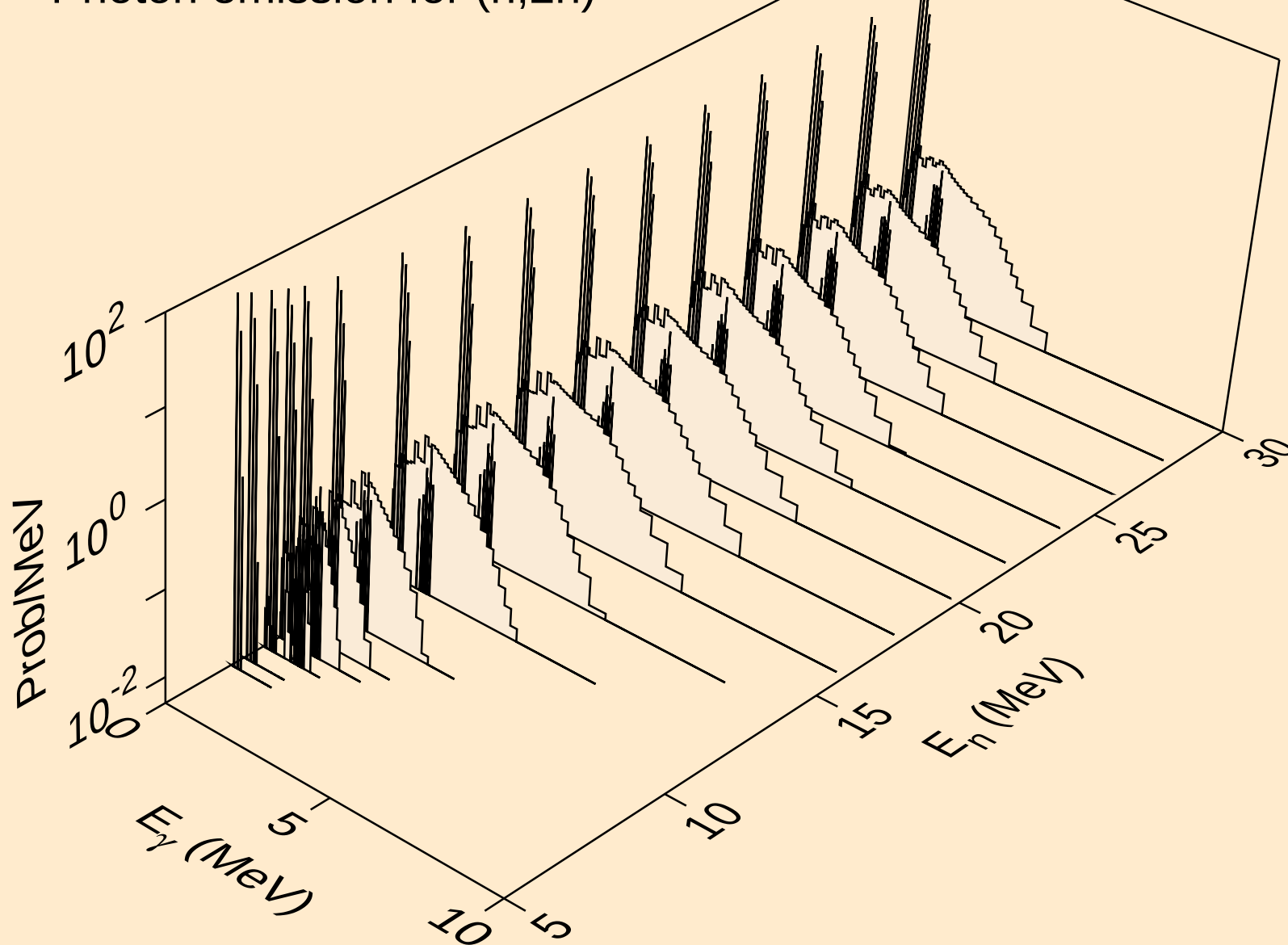
GD157 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,x)



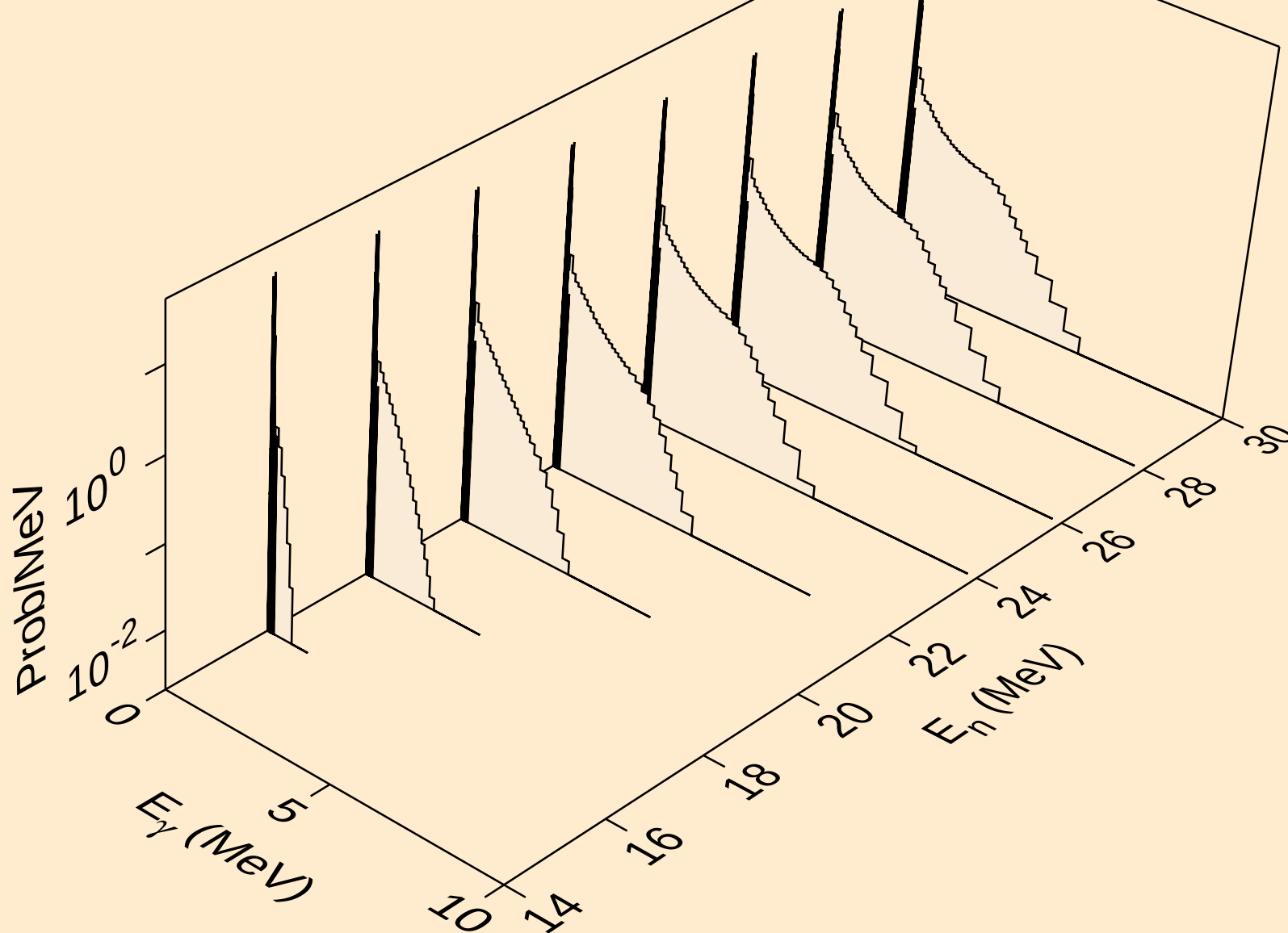
GD157 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



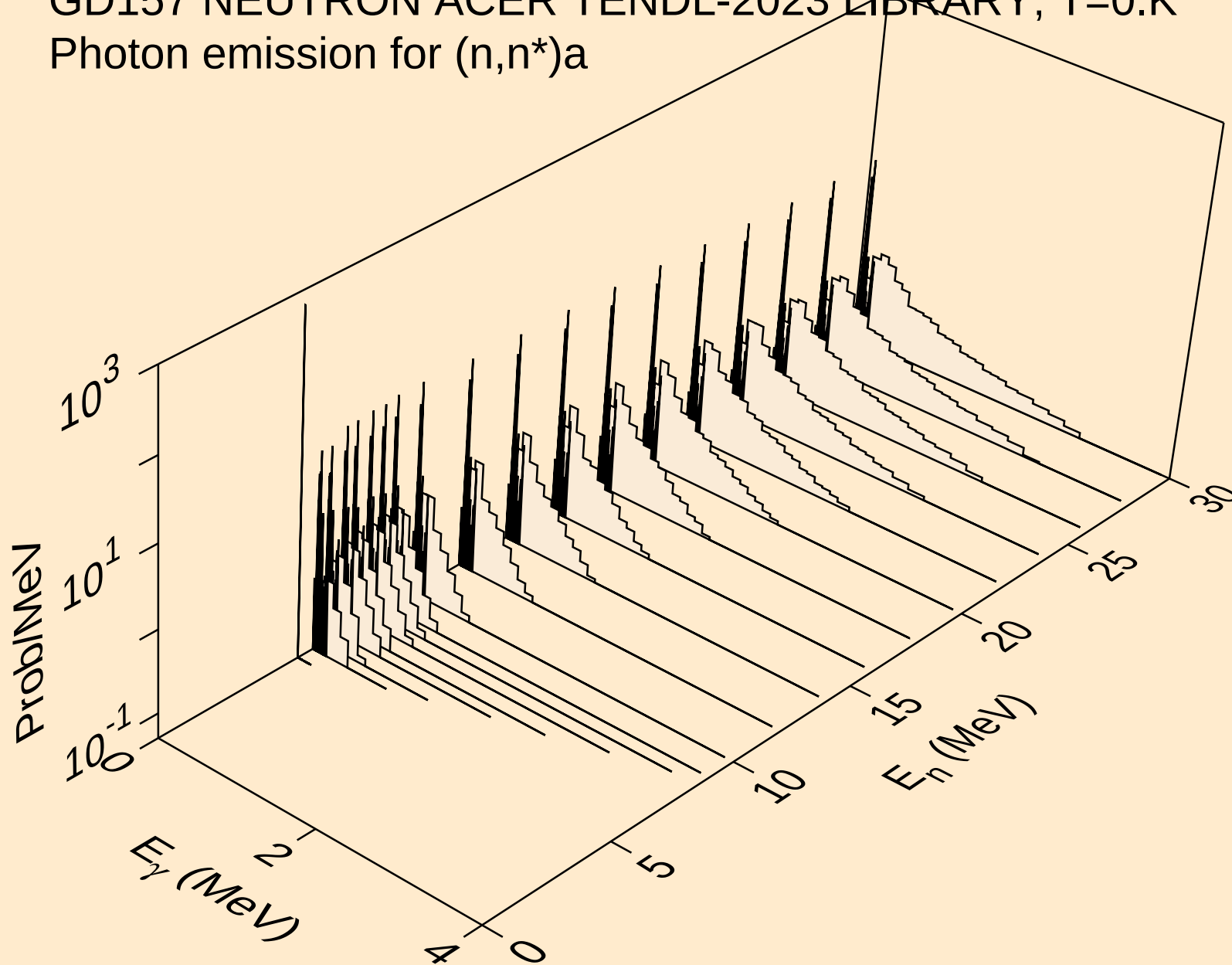
GD157 NEUTRON ACER TENDL-2023 LIBRARY;  $T=0.K$   
Photon emission for (n,2n)



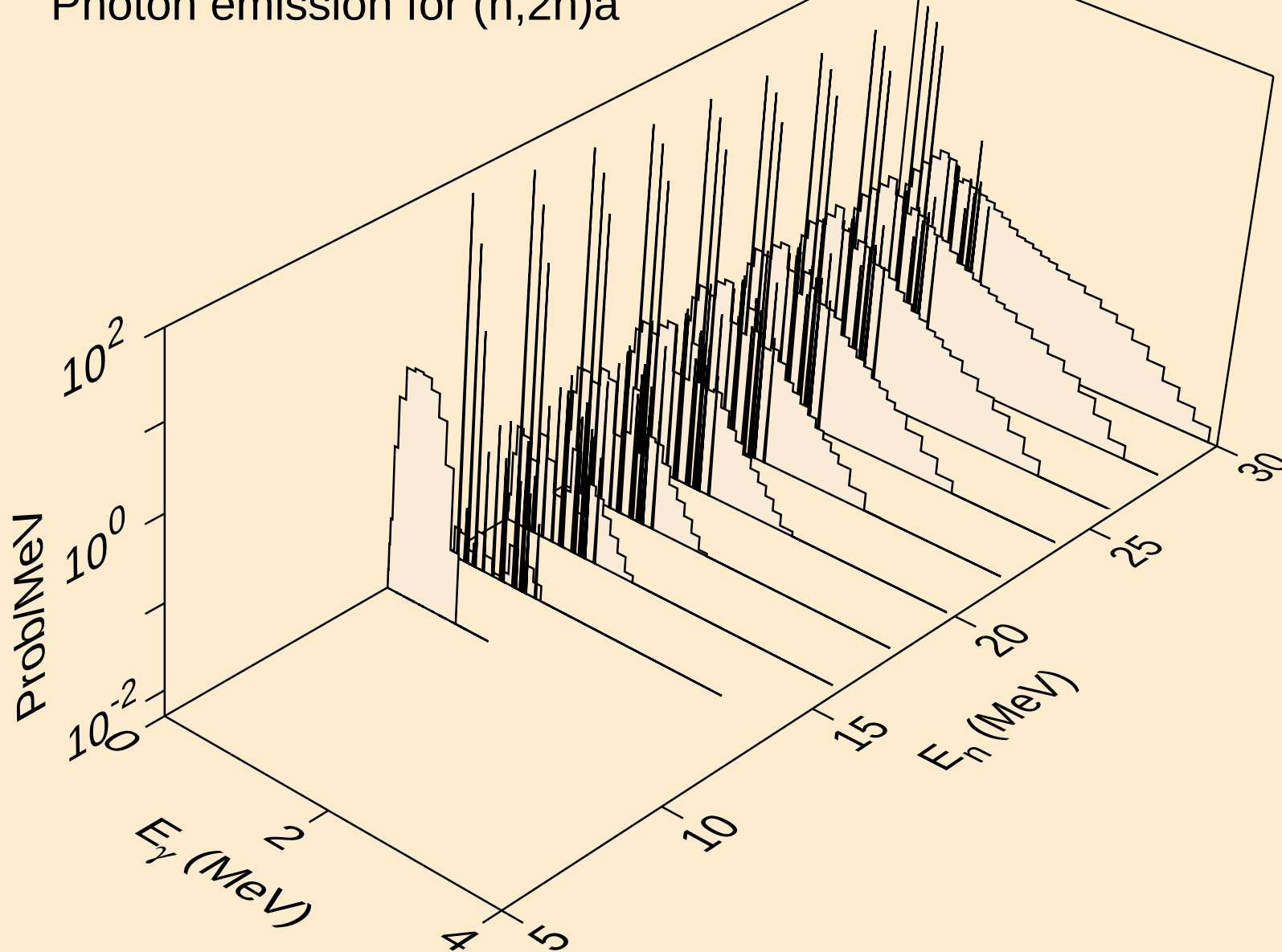
GD157 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



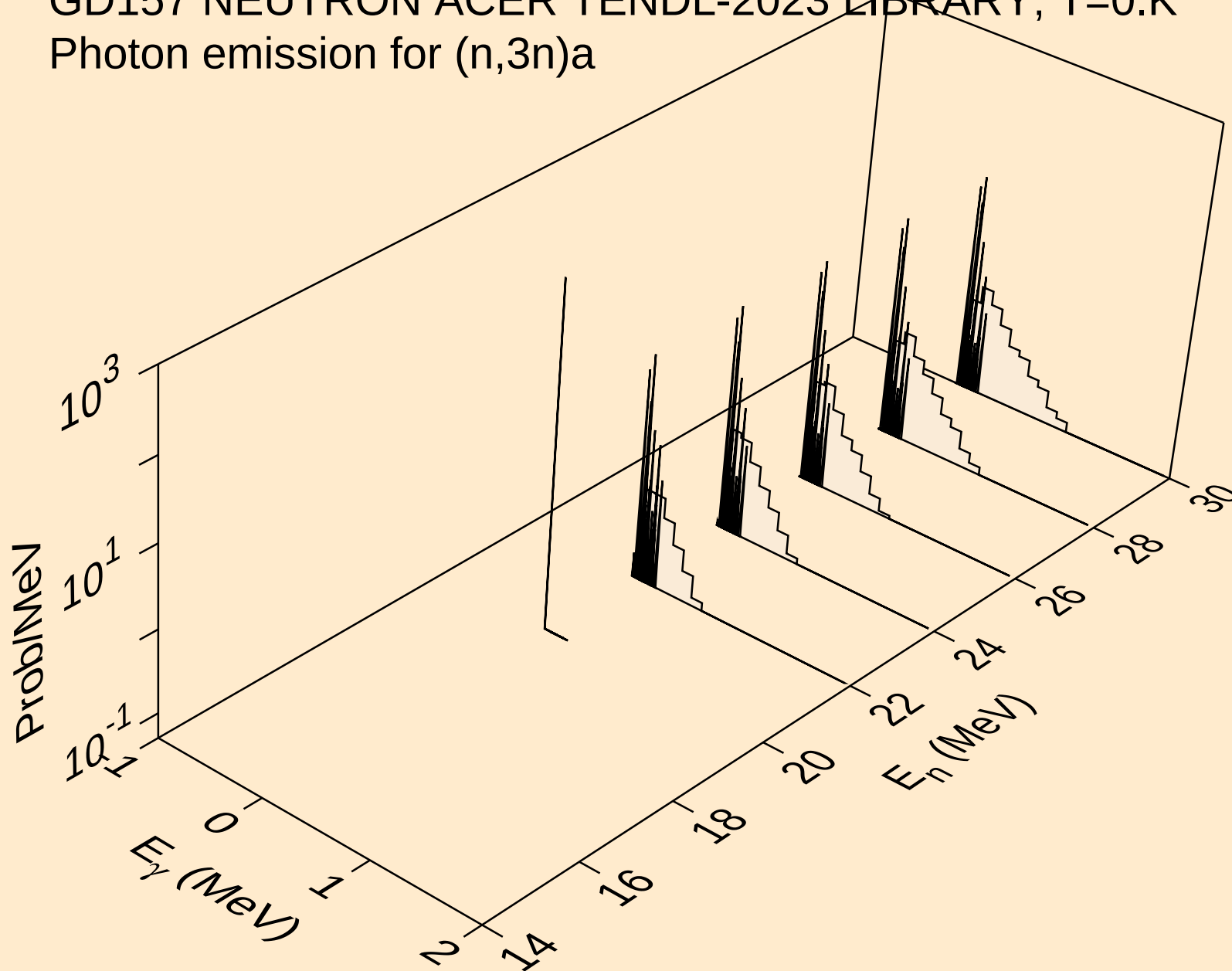
GD157 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



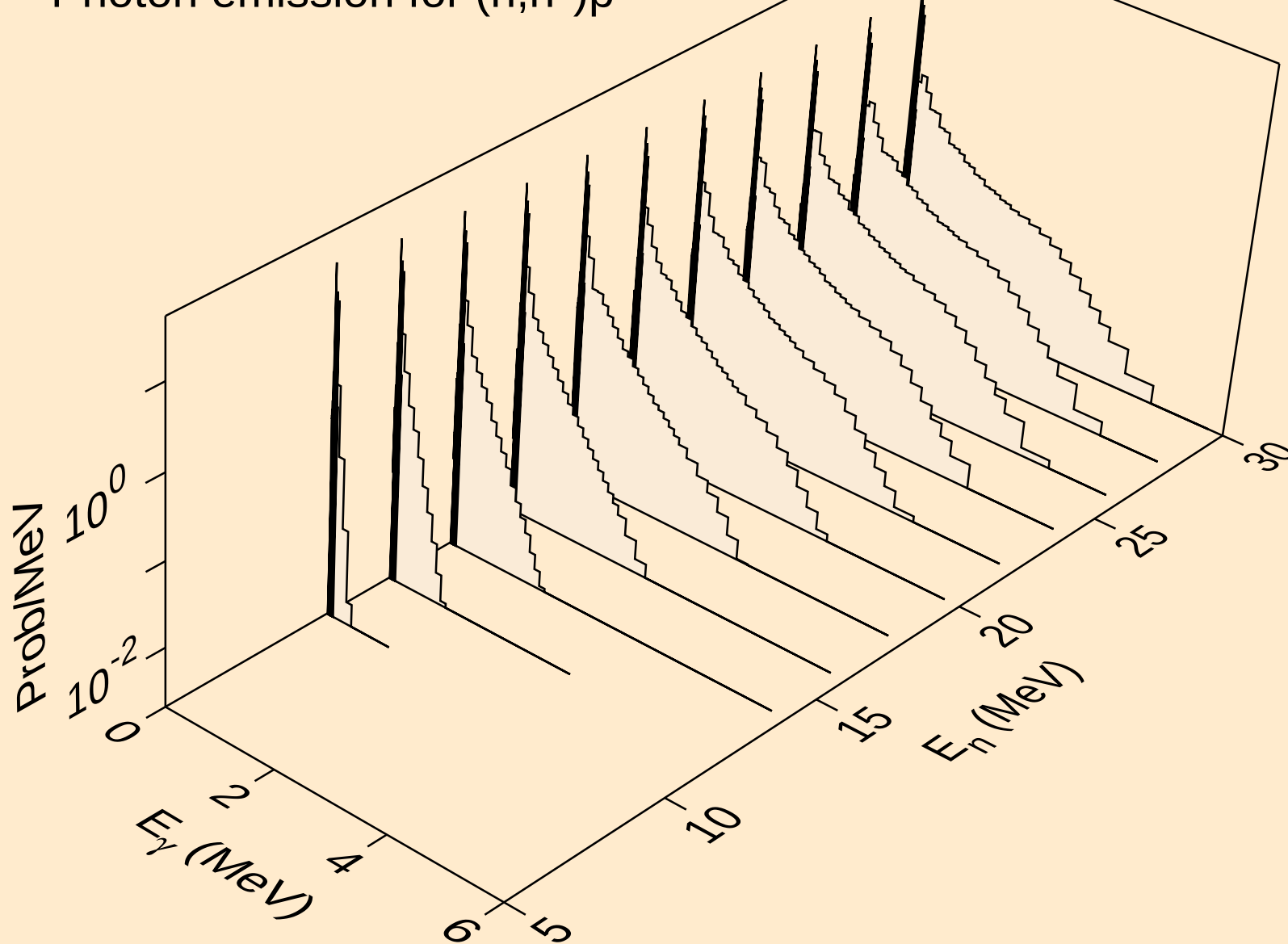
GD157 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a



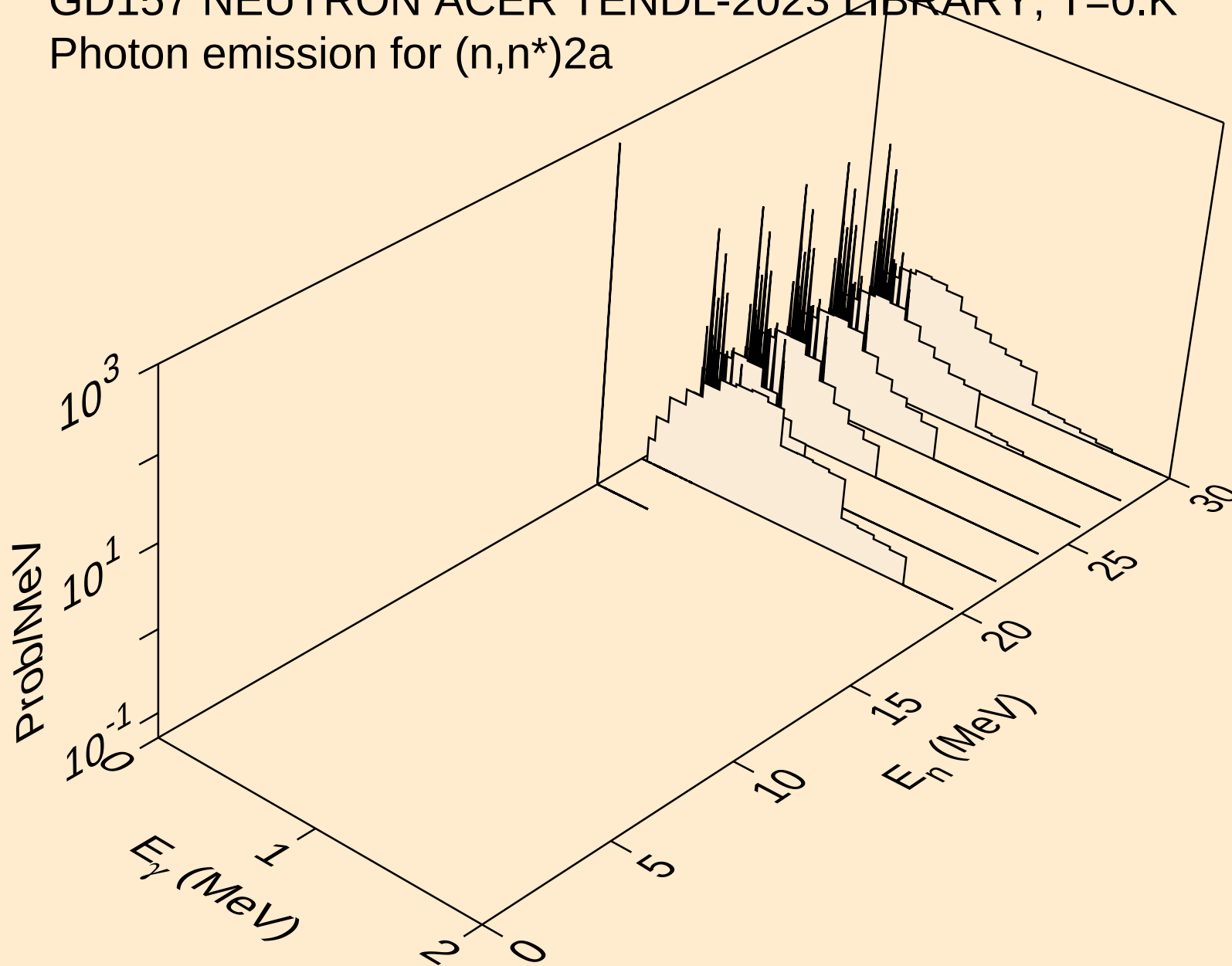
GD157 NEUTRON ACER TENDL-2023 LIBRARY;  $T=0.K$   
Photon emission for (n,3n)a



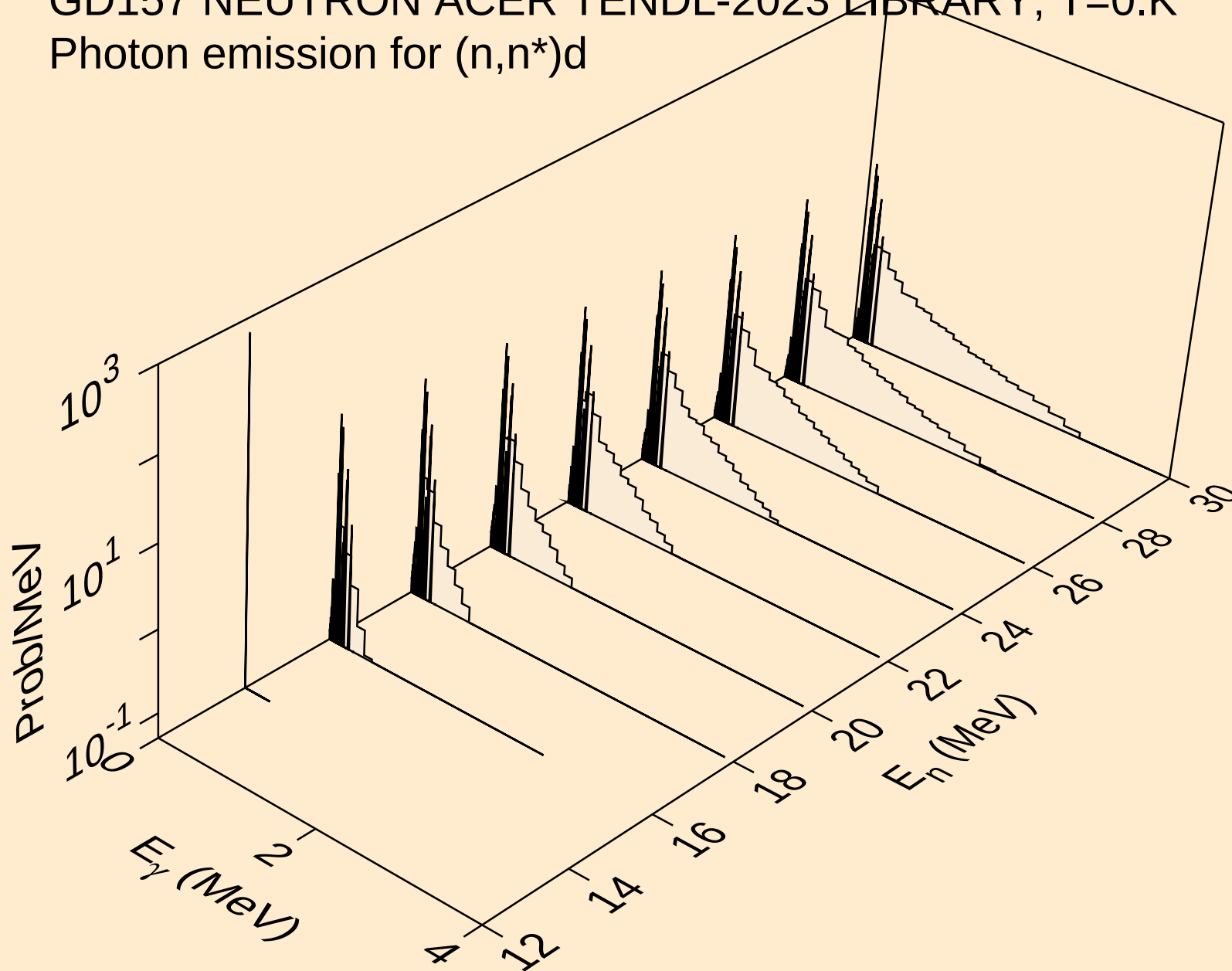
GD157 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



GD157 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a

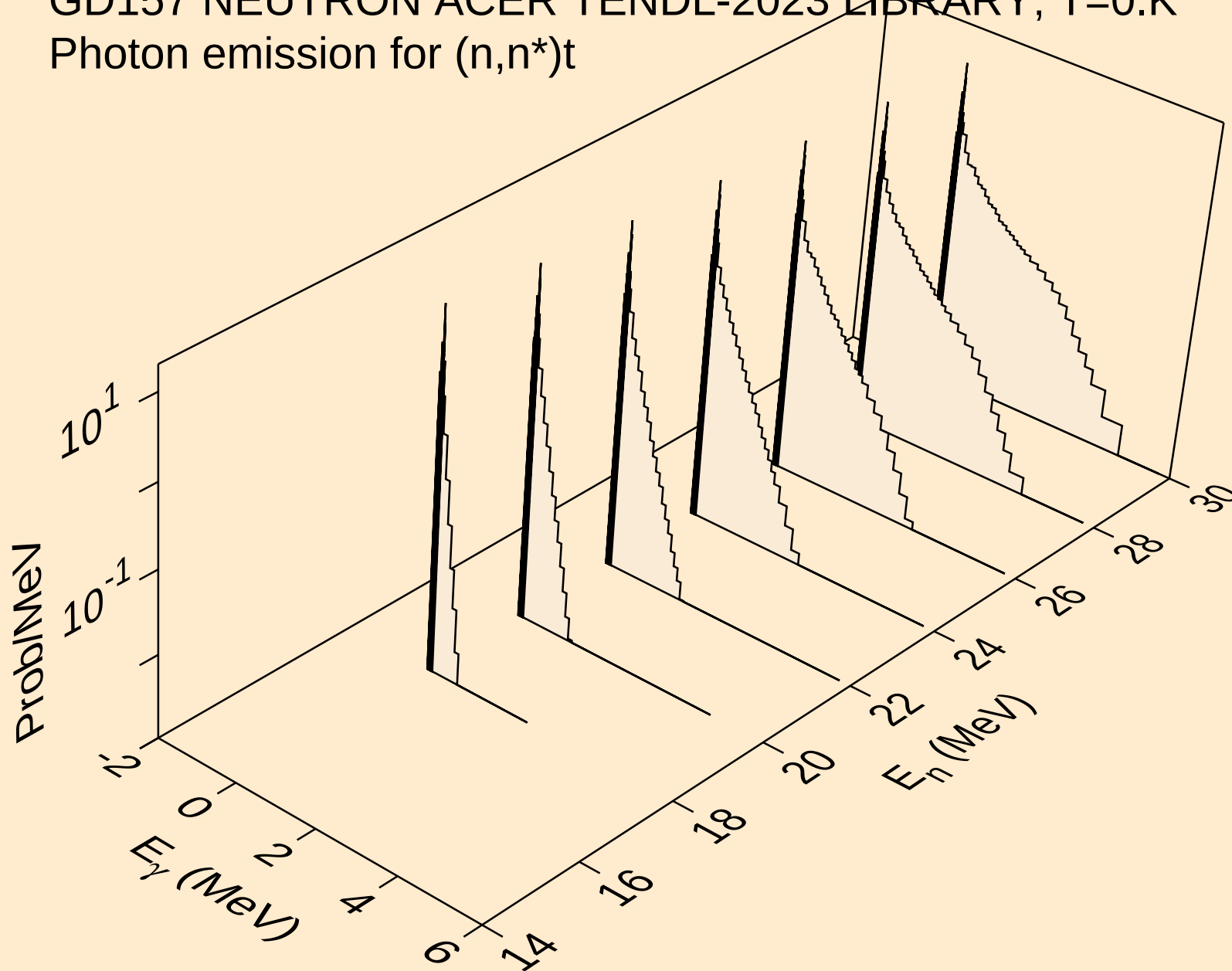


GD157 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d

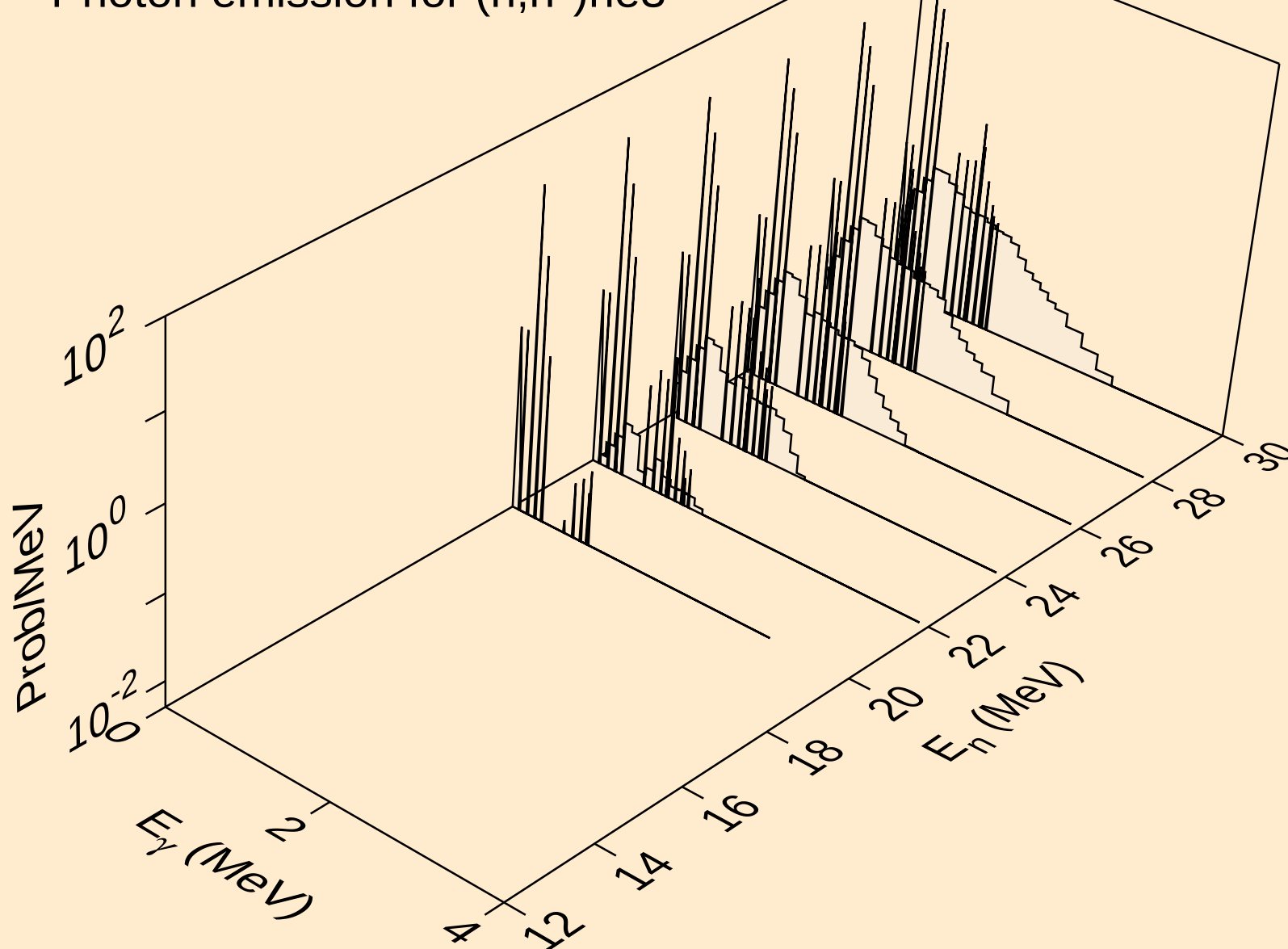


GD157 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

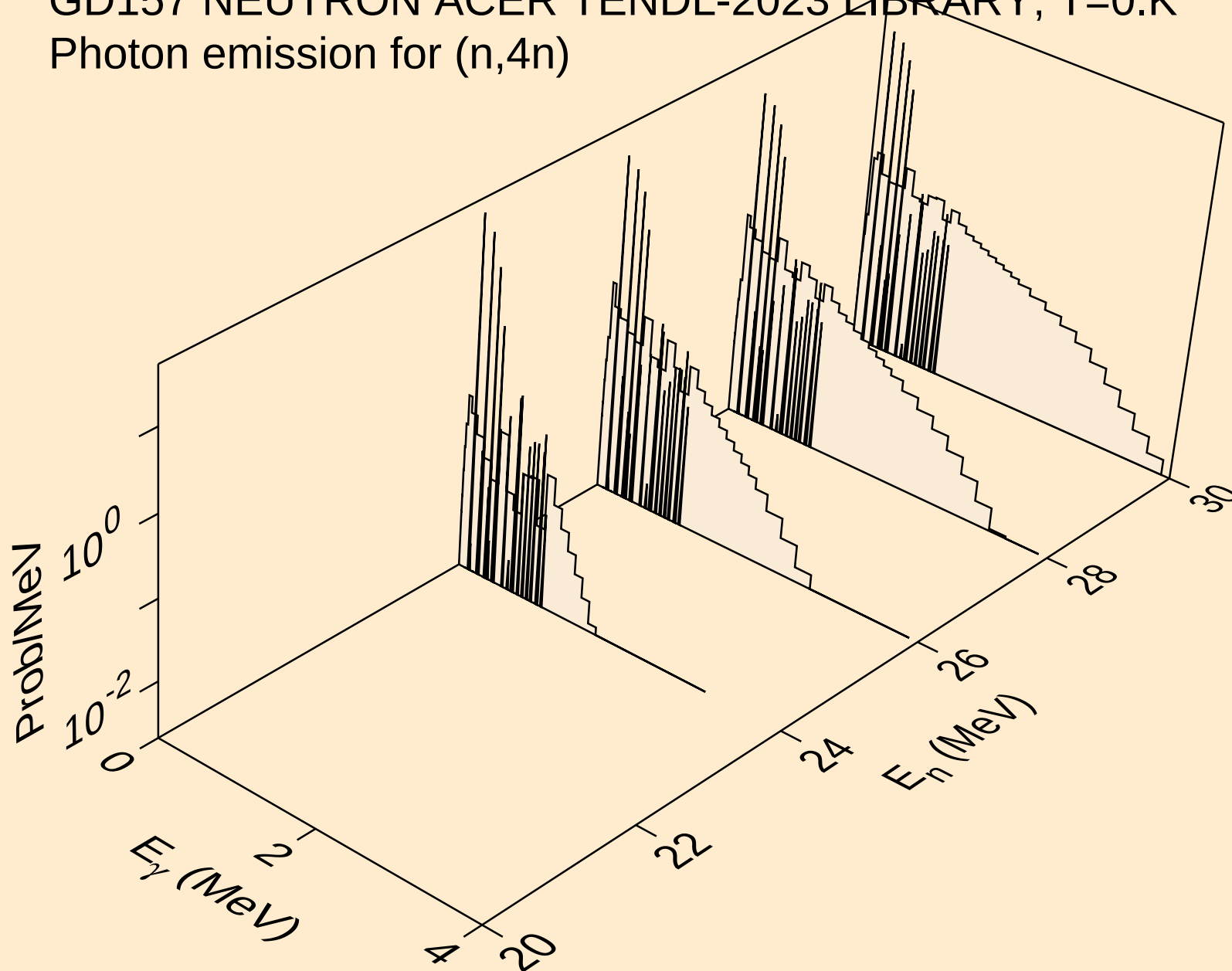
Photon emission for (n,n\*)t



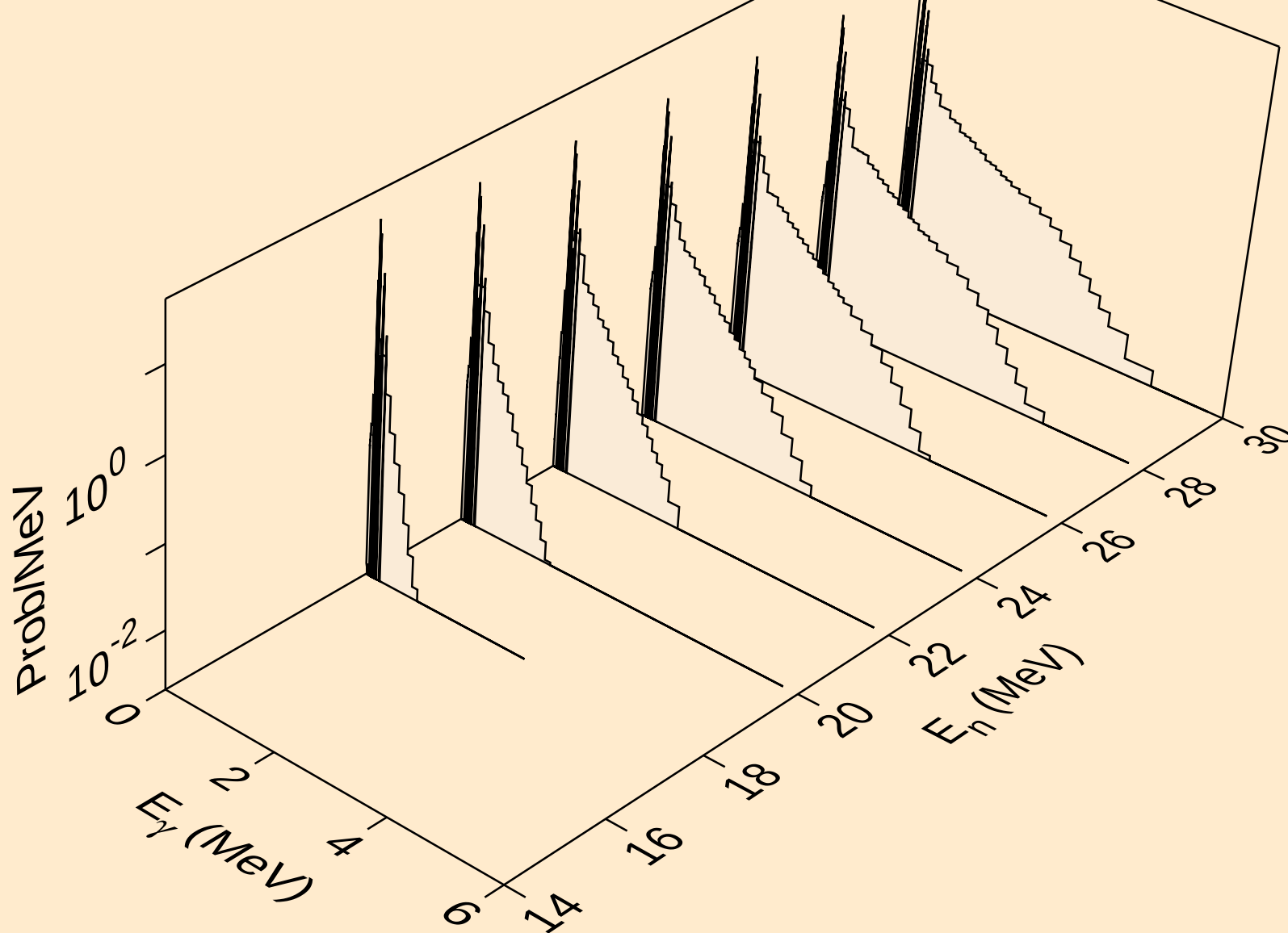
GD157 NEUTRON ACER TENDL-2023 LIBRARY;  $T=0.K$   
Photon emission for  $(n,n^*)\text{he3}$



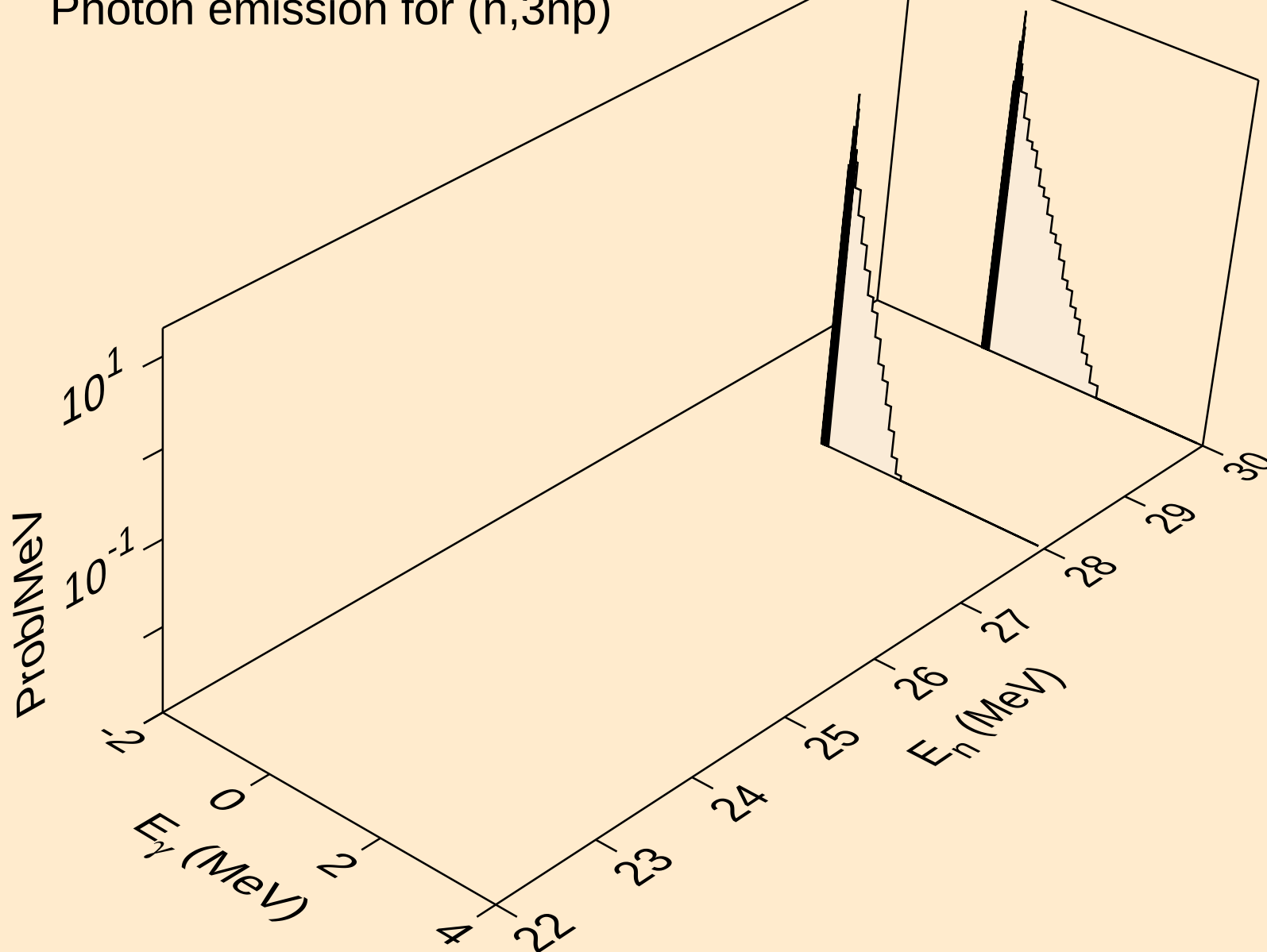
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Photon emission for (n,4n)



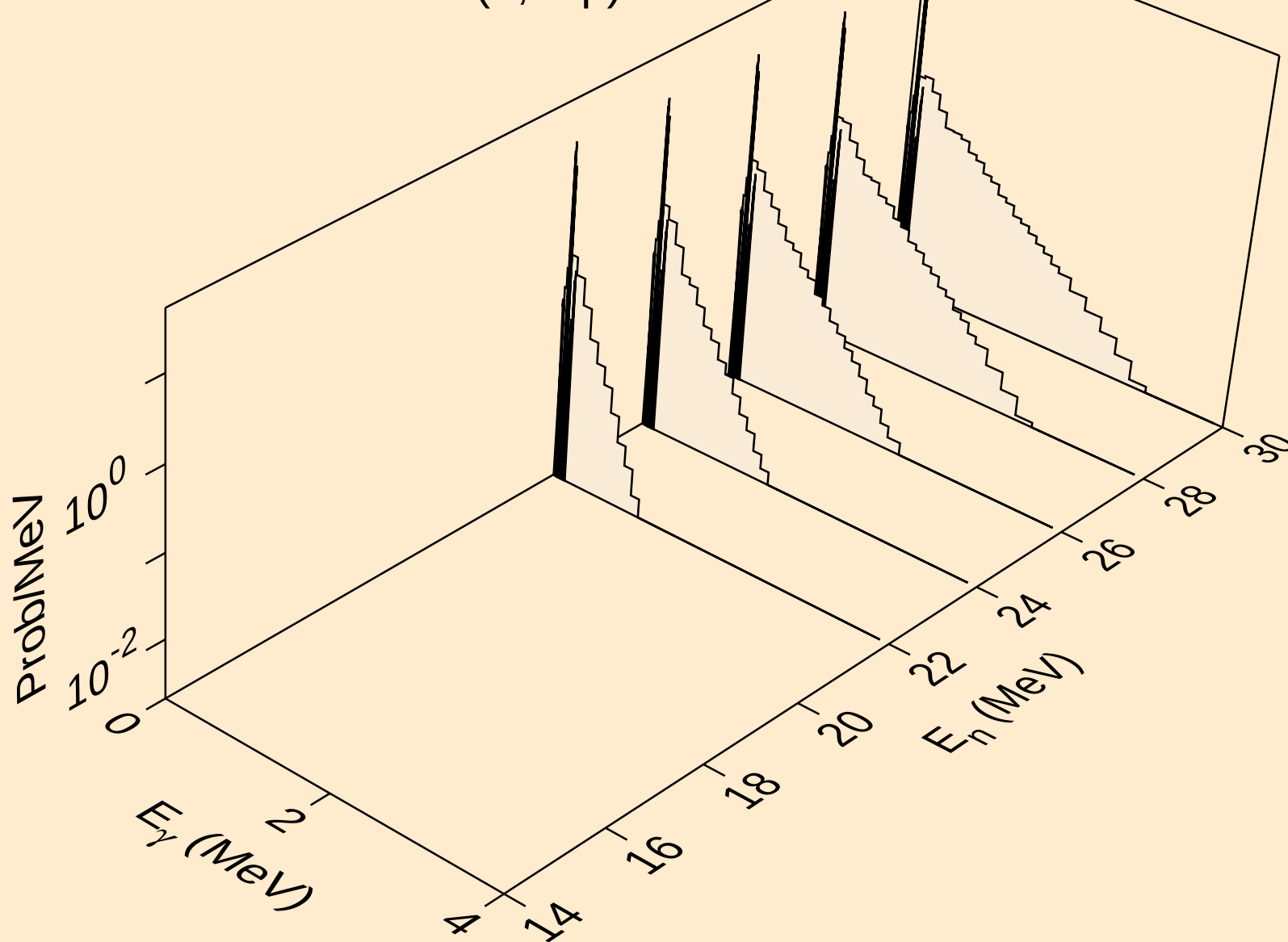
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Photon emission for (n,2np)



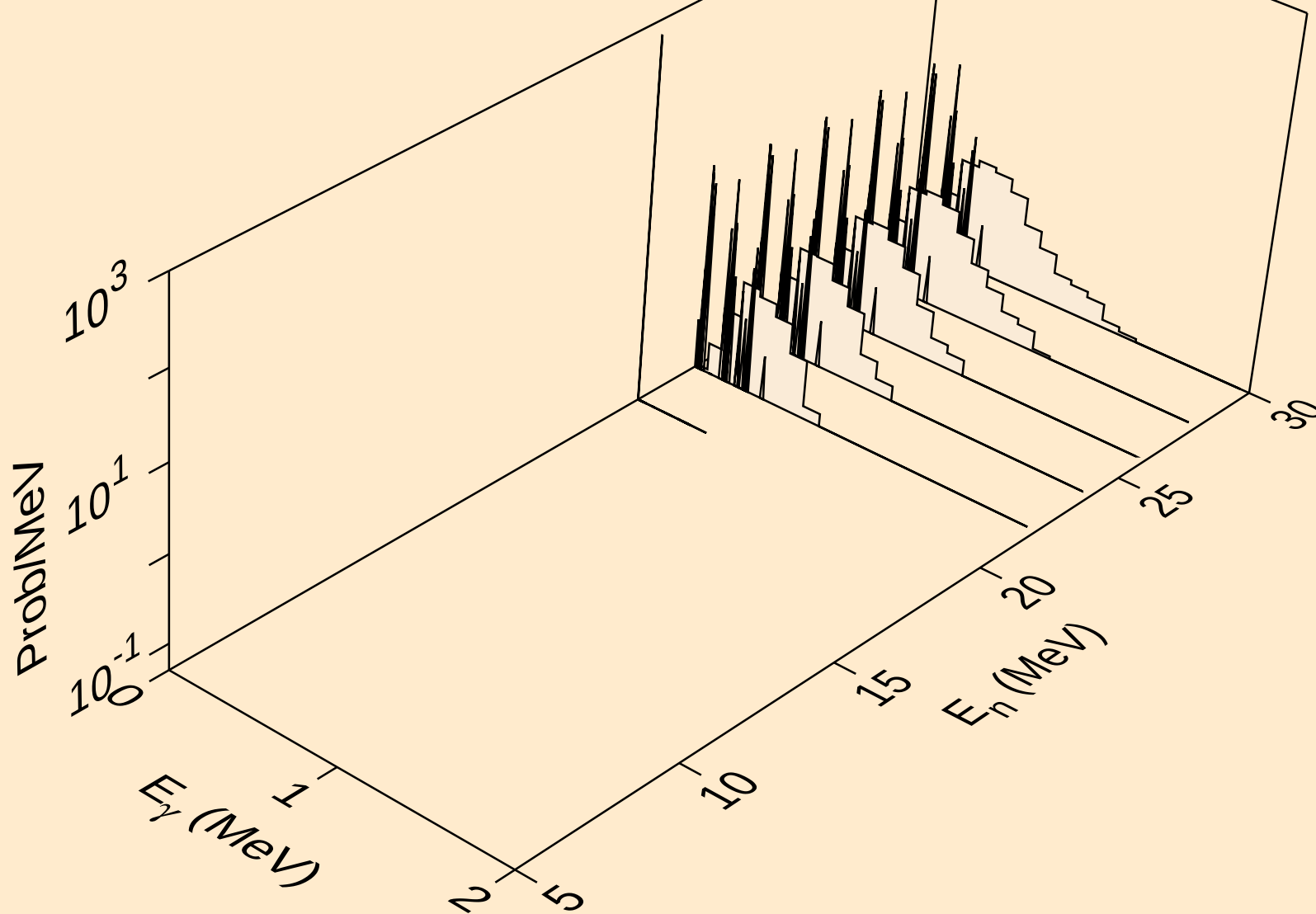
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Photon emission for (n,3np)



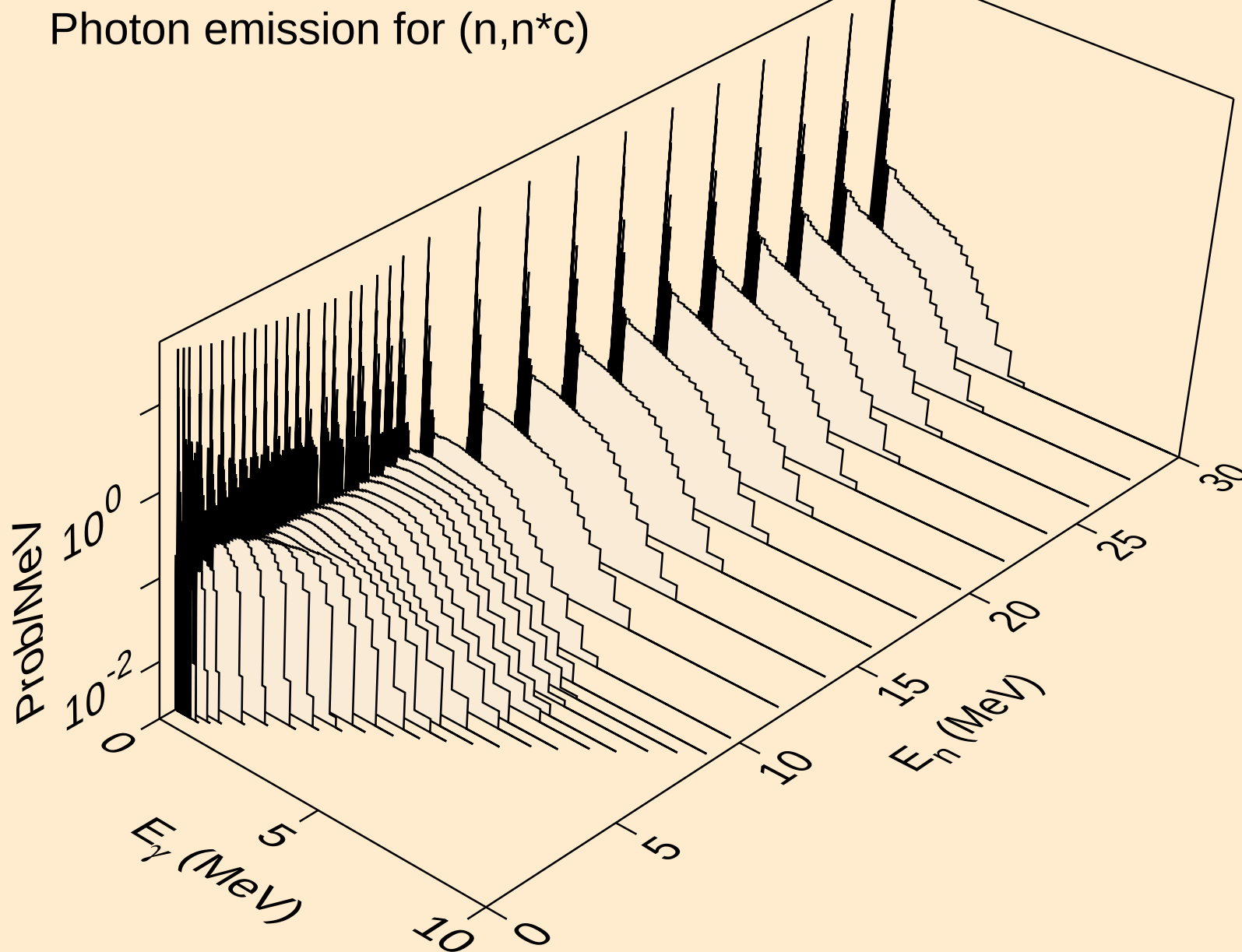
GD157 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)



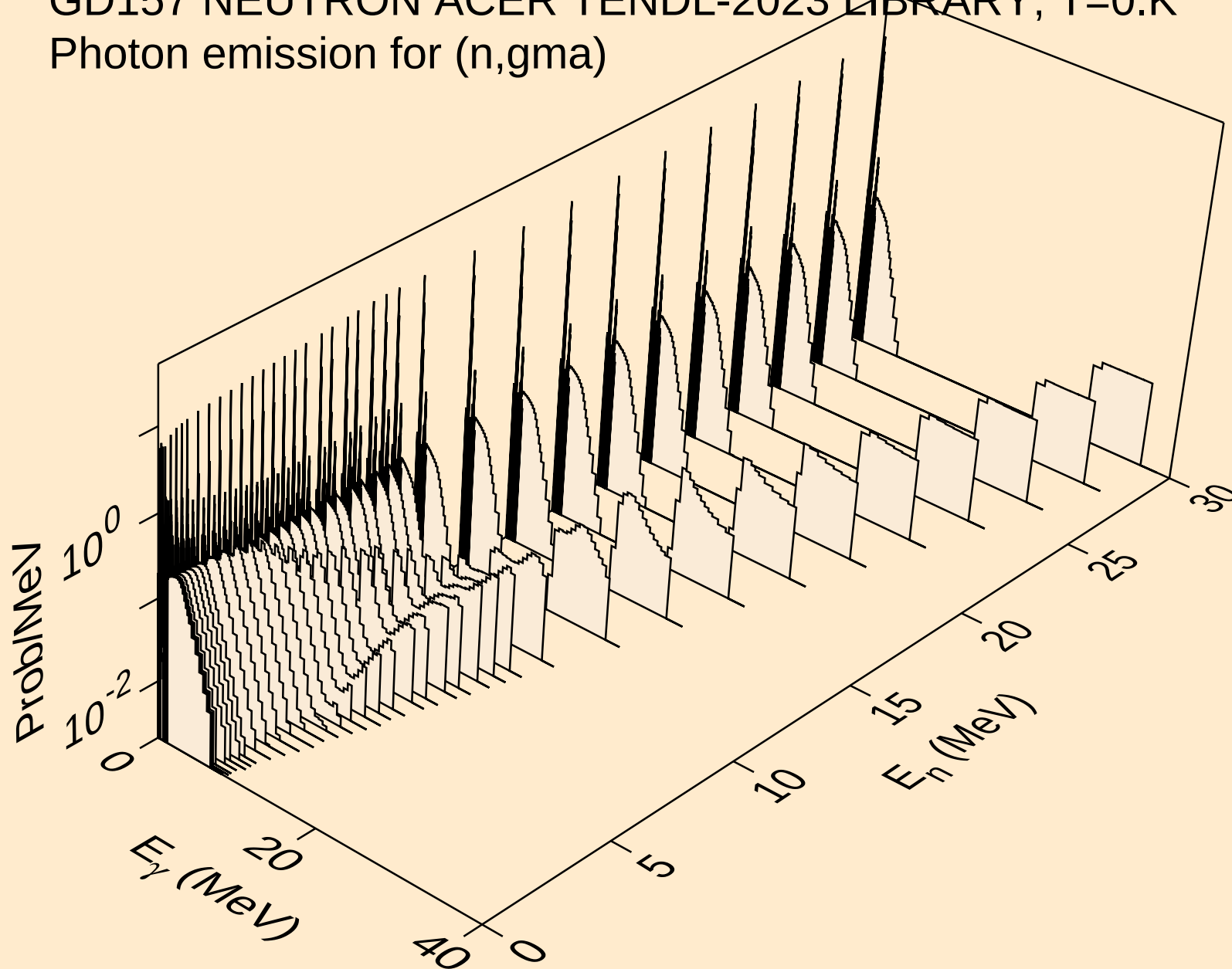
GD157 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,npa)



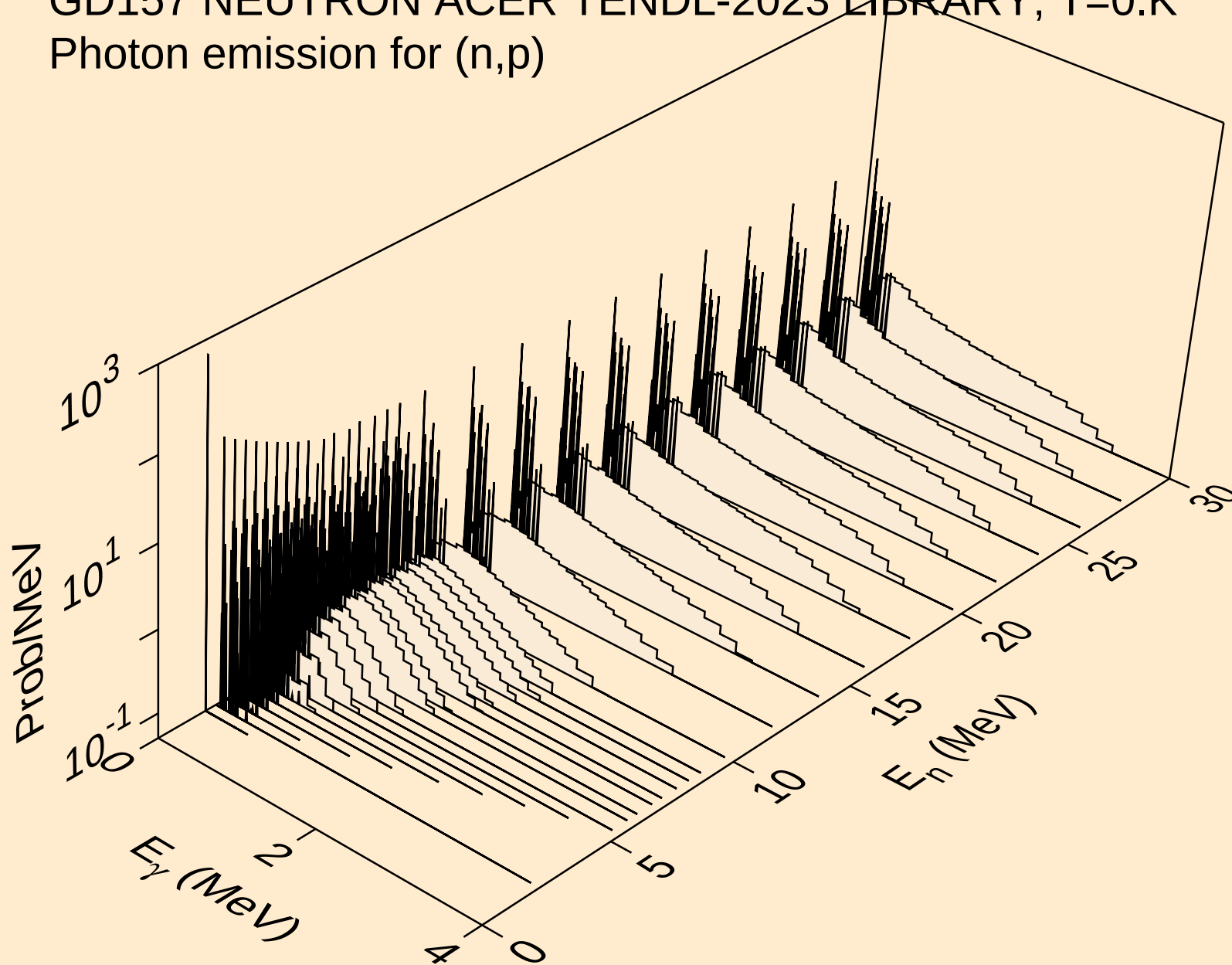
GD157 NEUTRON ACER TENDL-2023 LIBRARY;  $T=0.K$   
Photon emission for  $(n,n^*c)$



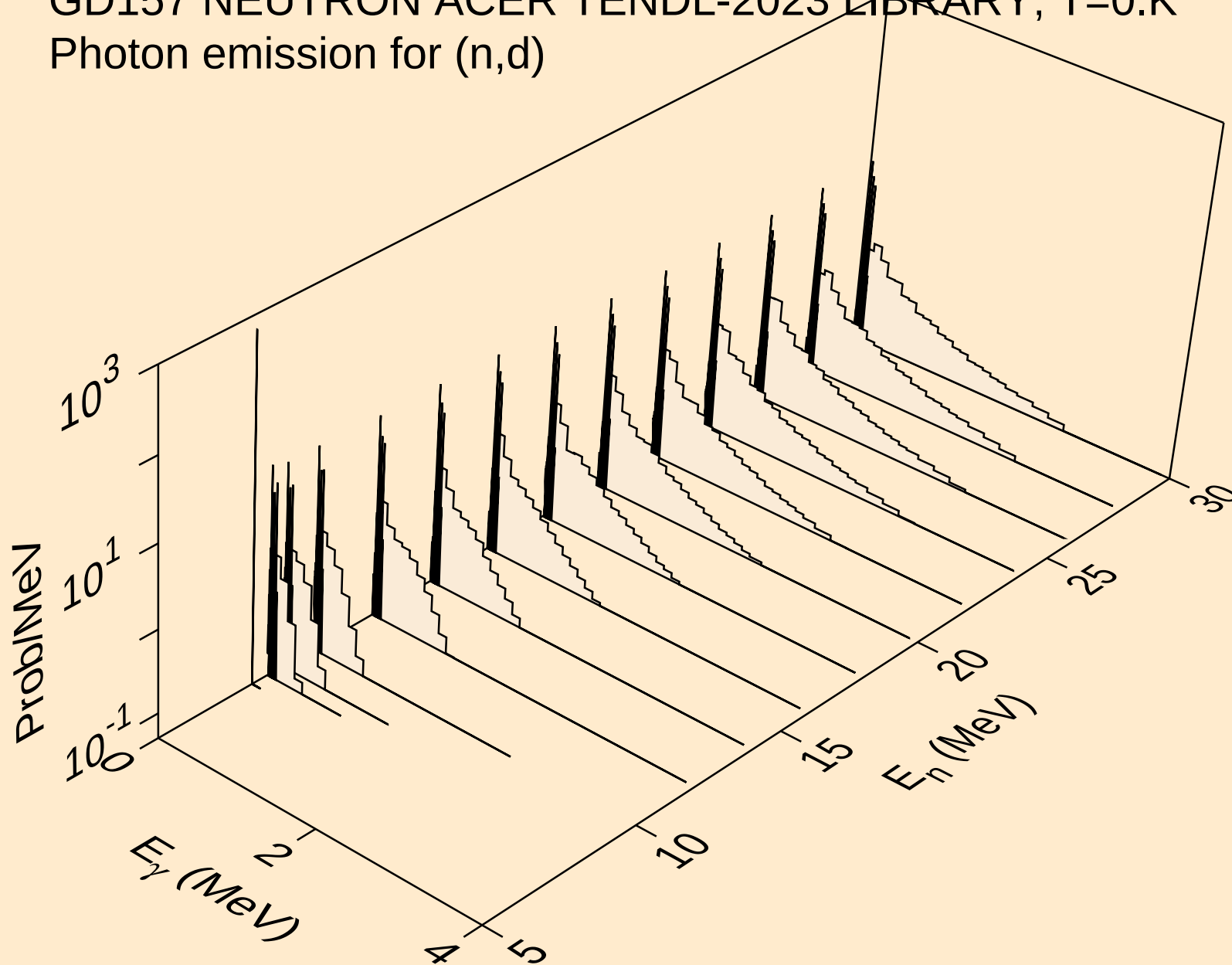
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Photon emission for (n,gma)



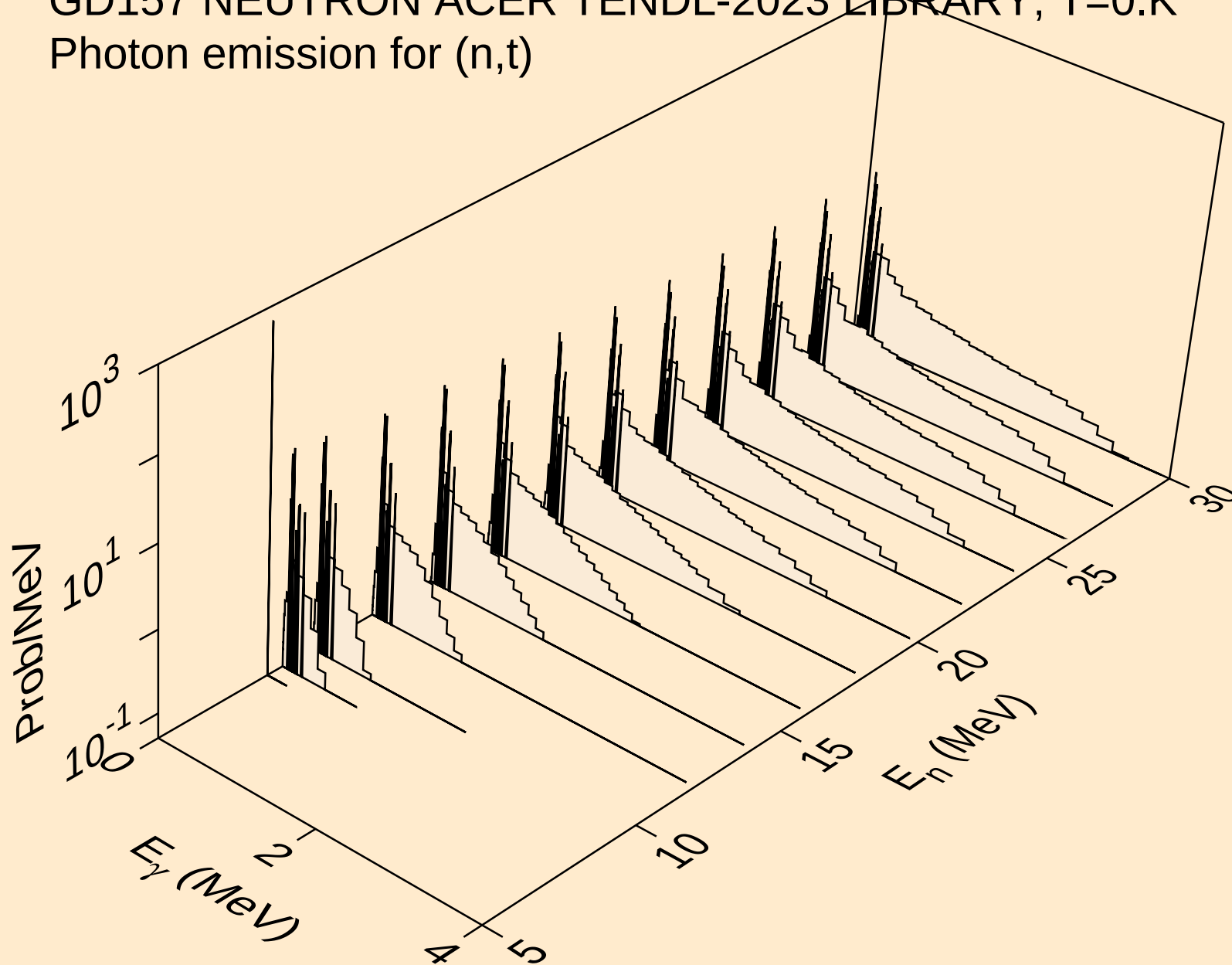
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Photon emission for (n,p)



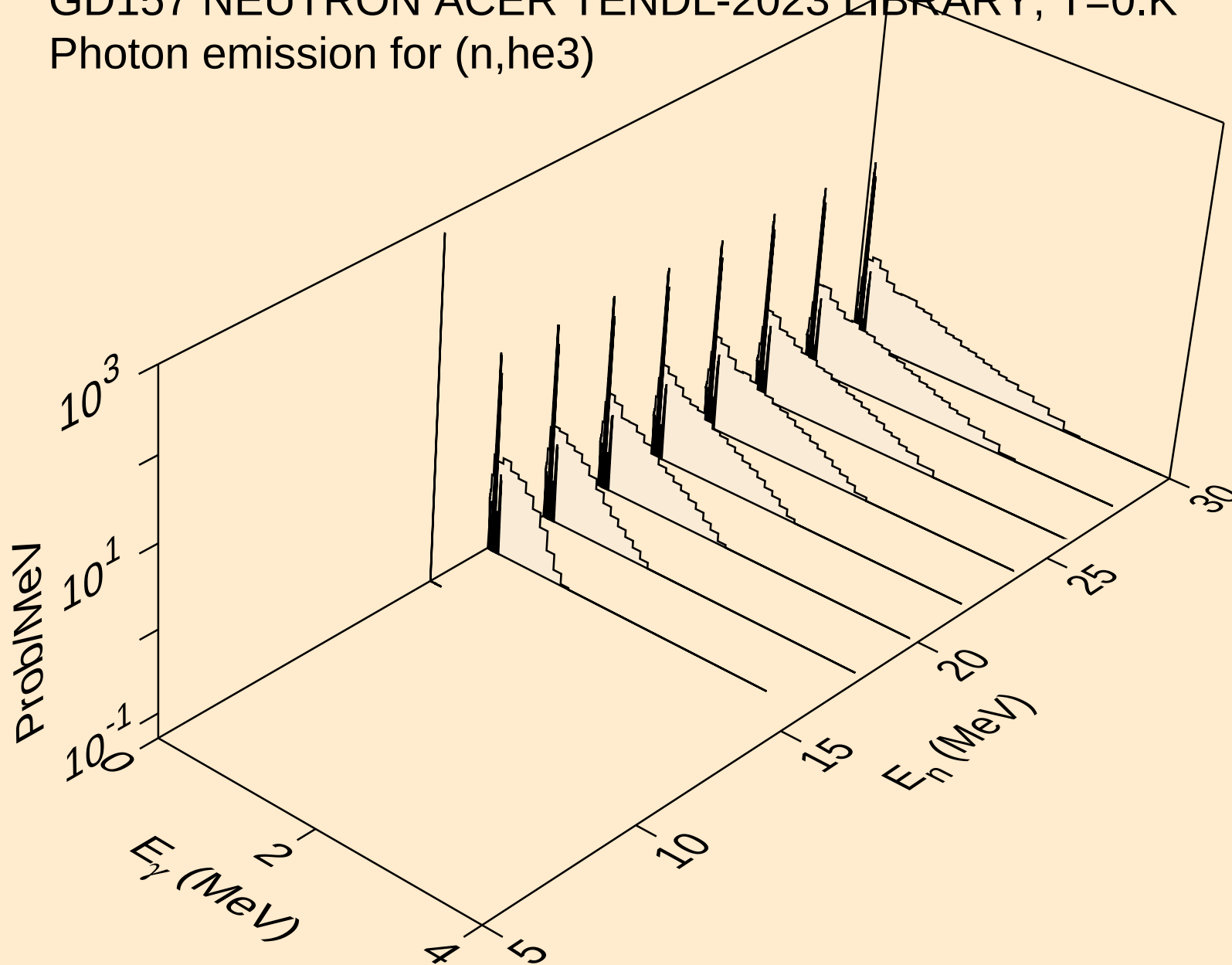
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Photon emission for (n,d)



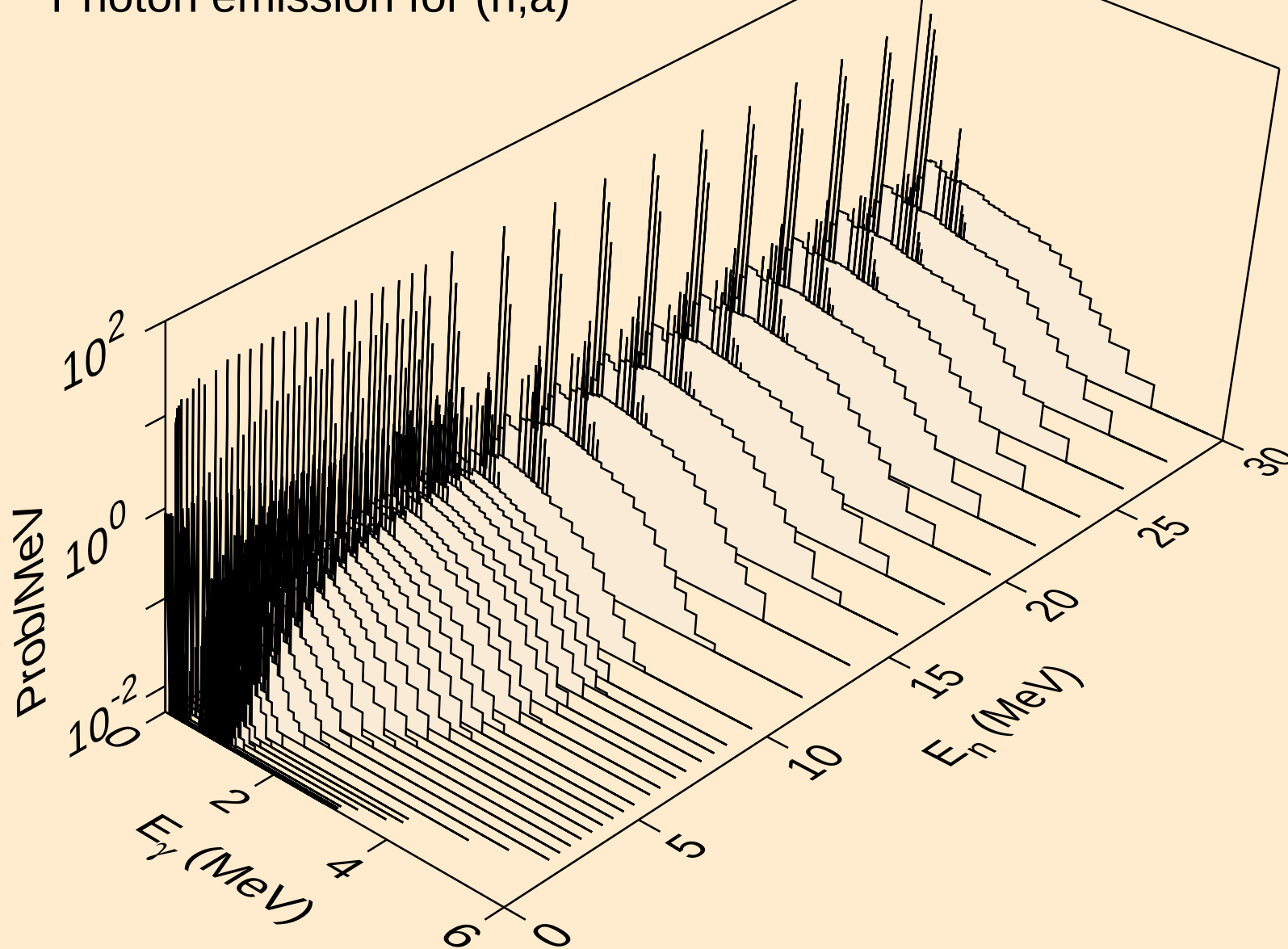
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Photon emission for (n,t)



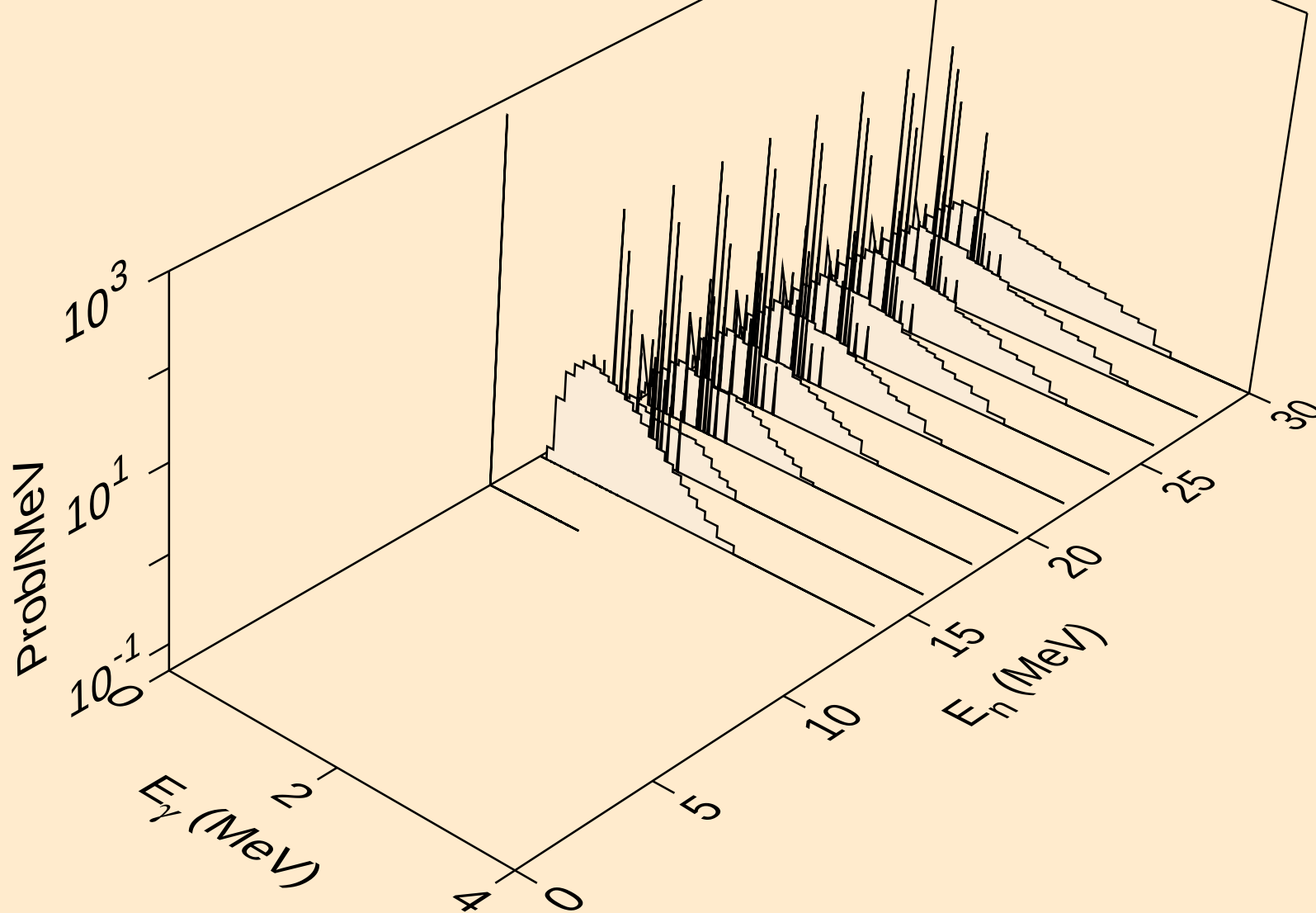
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Photon emission for (n,he3)



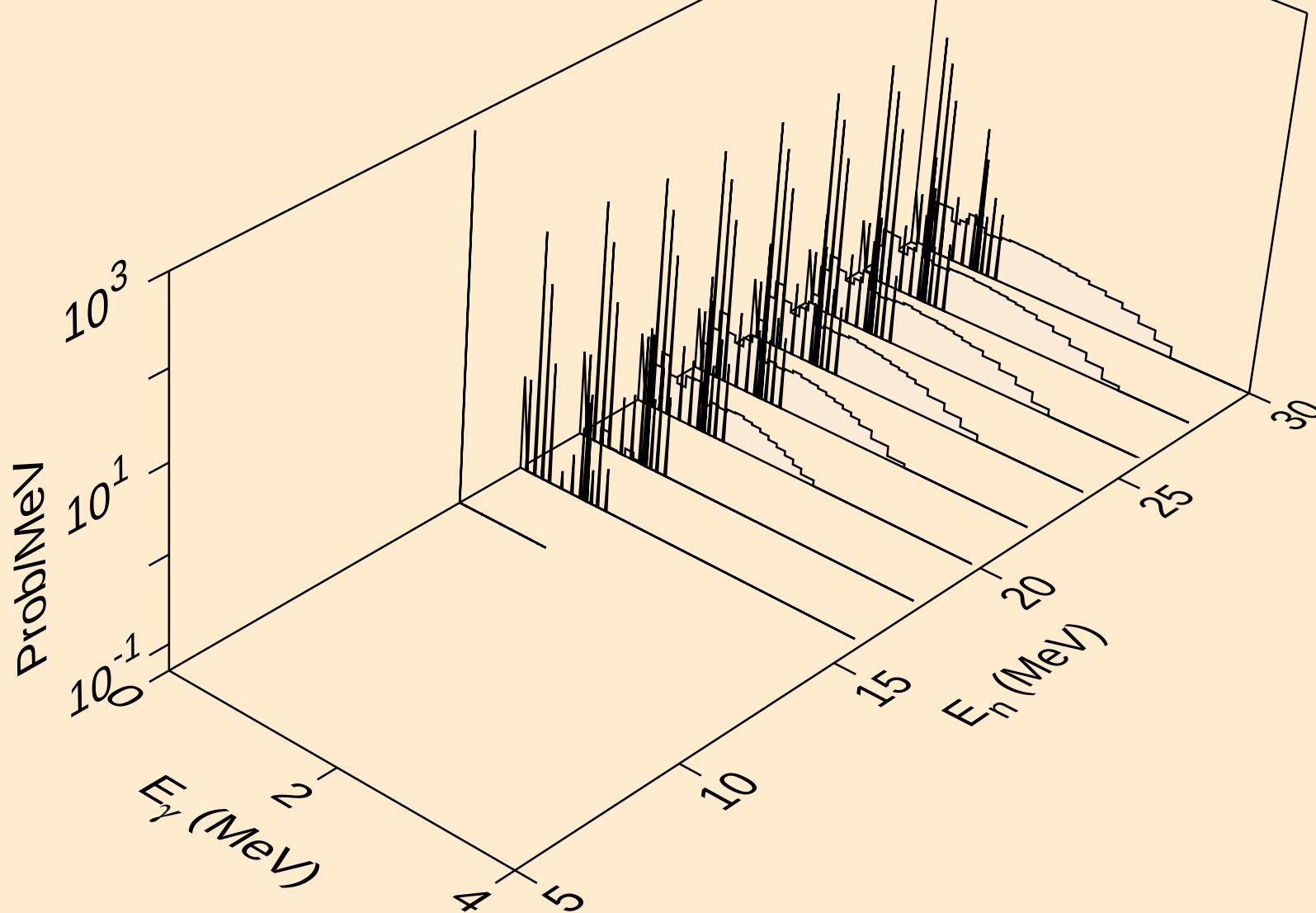
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Photon emission for (n,a)



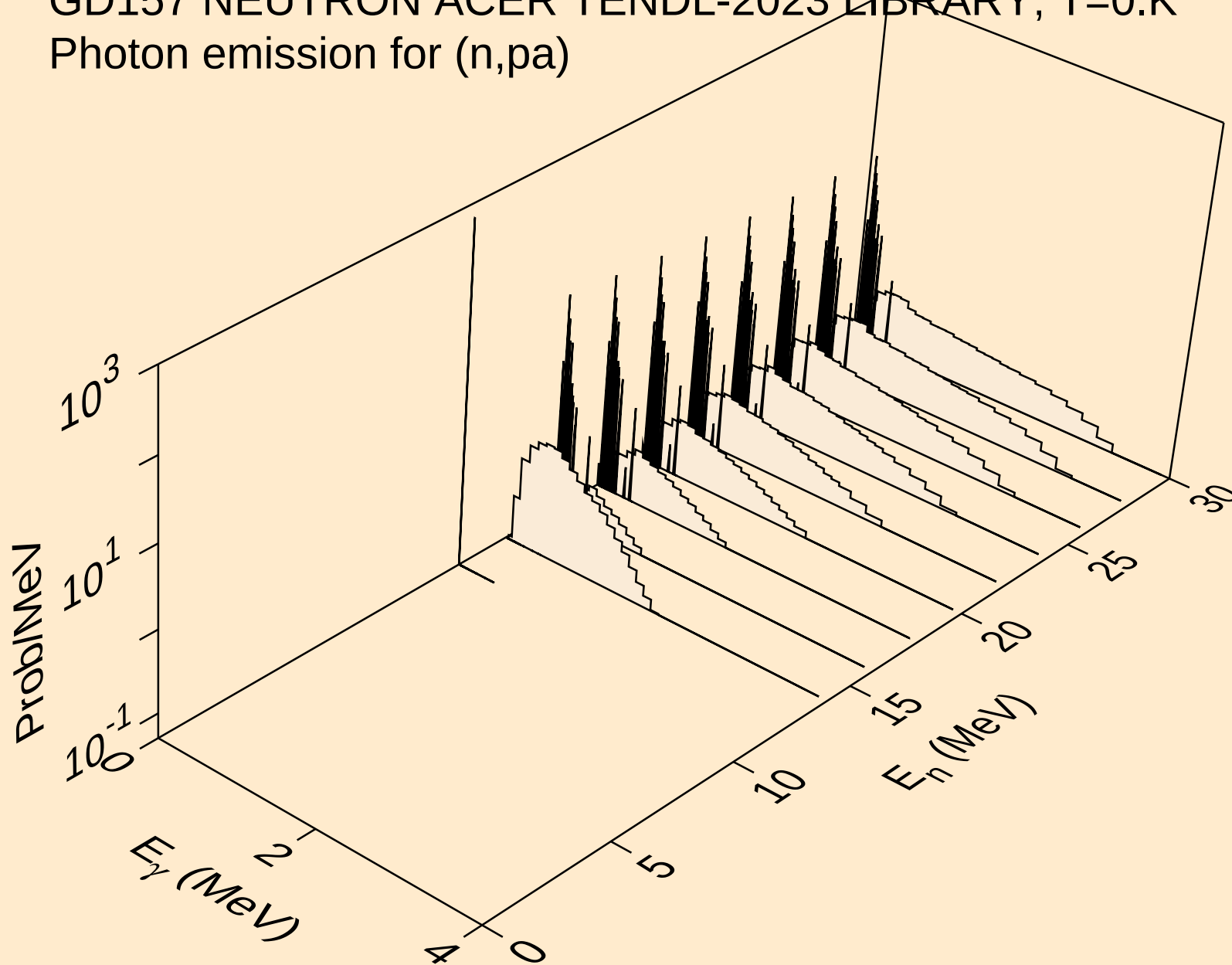
GD157 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2a)



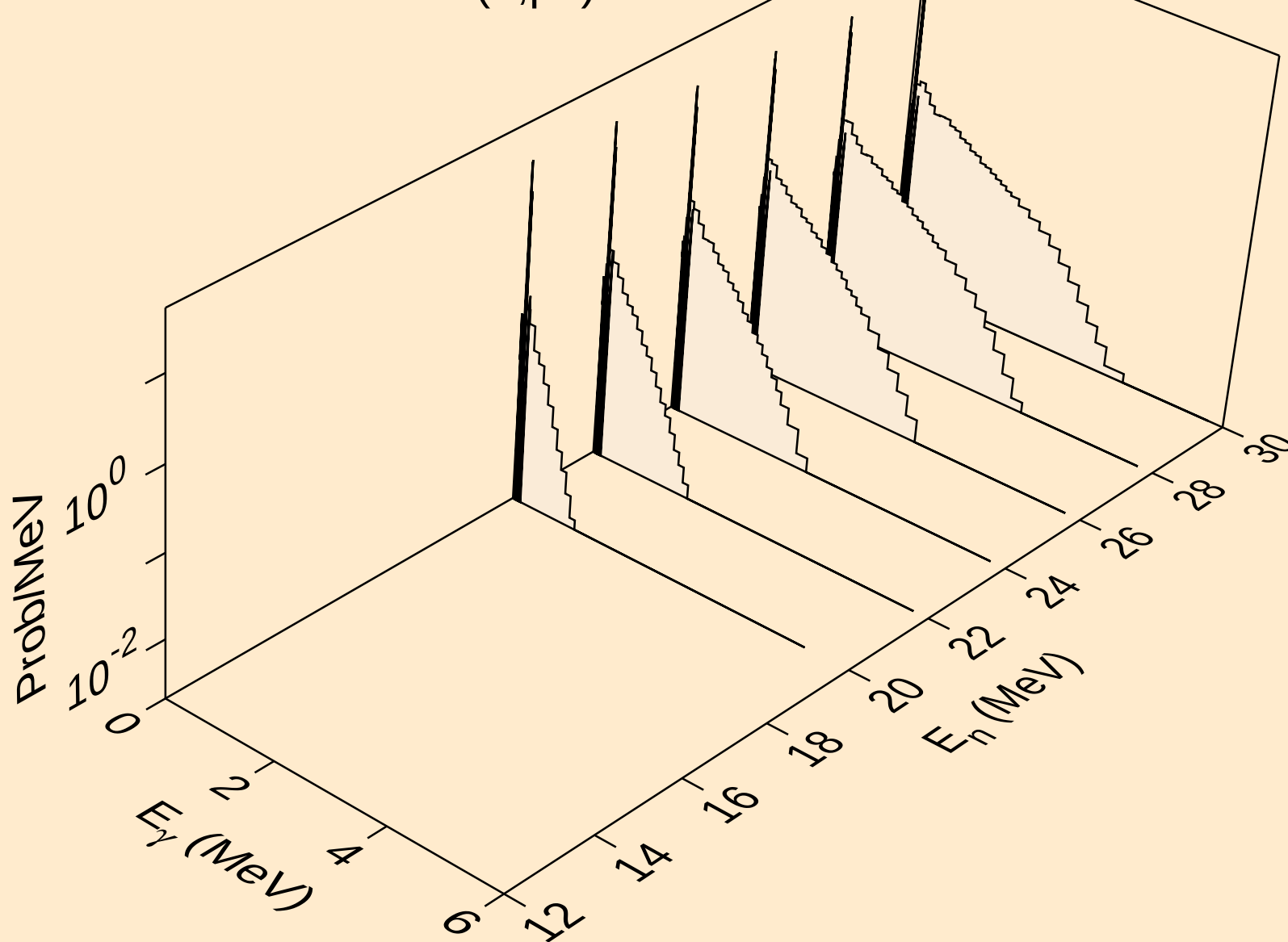
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Photon emission for (n,2p)



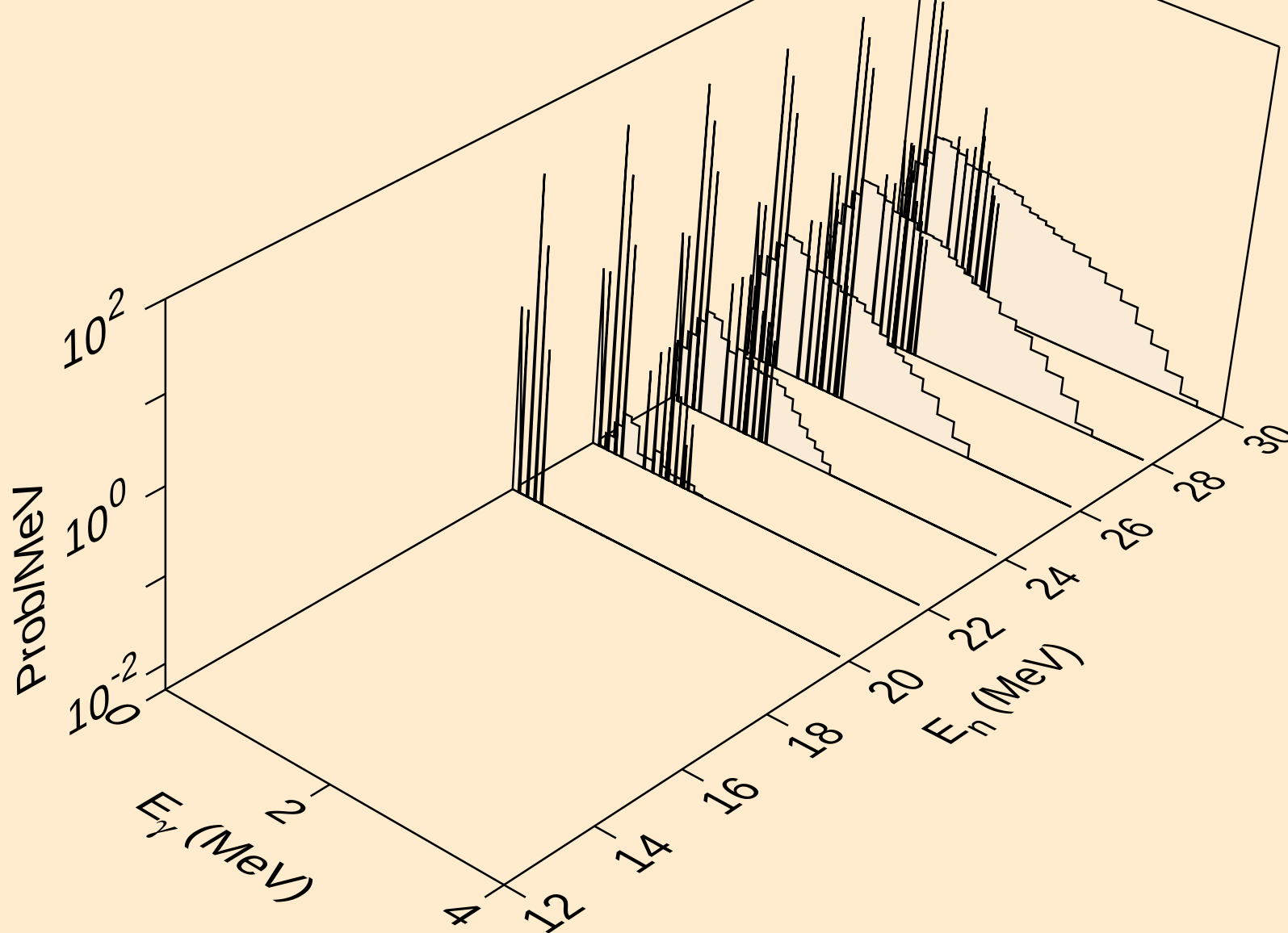
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Photon emission for (n,p $\alpha$ )



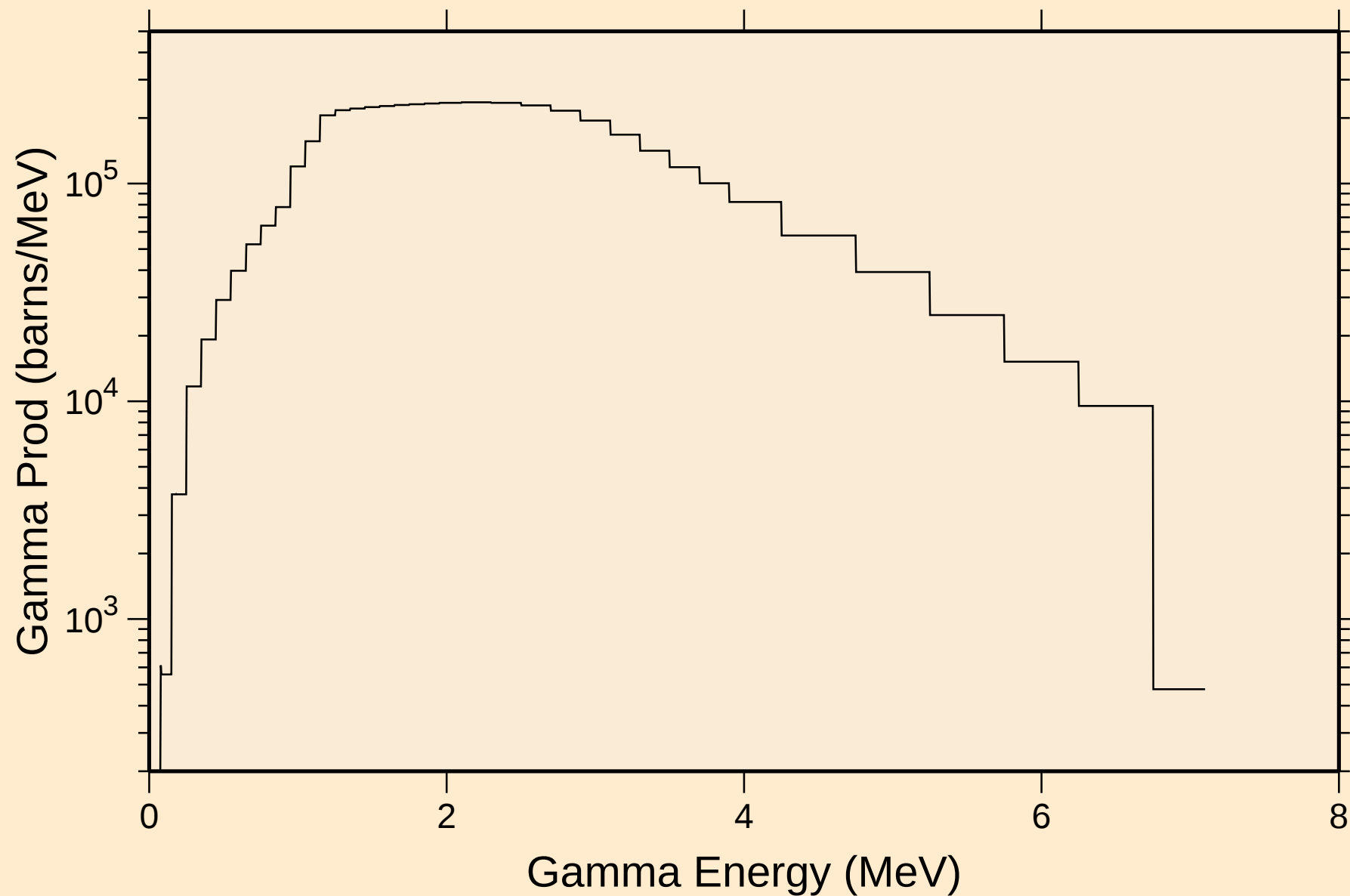
GD157 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)



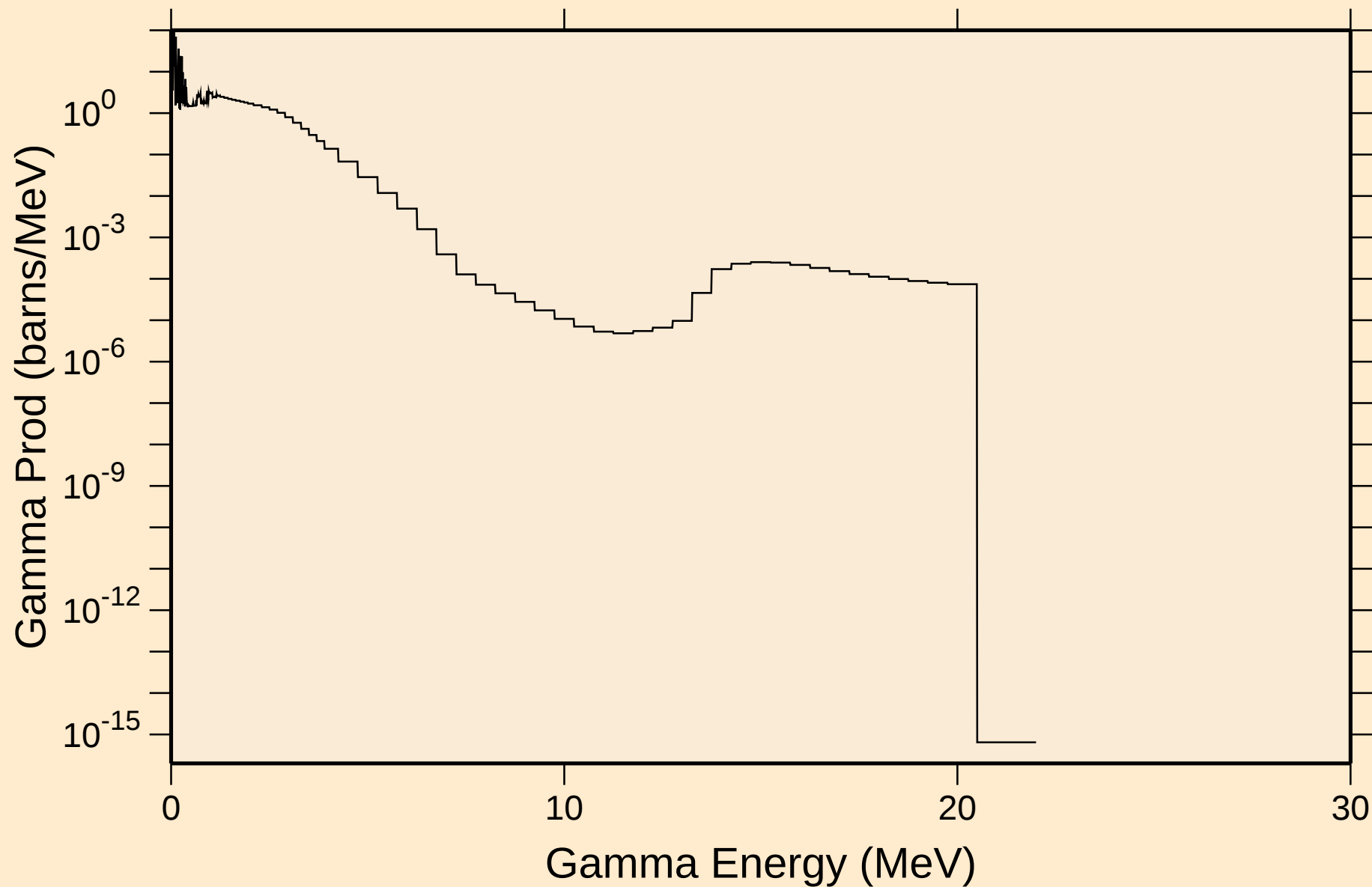
GD157 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)



GD157 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
thermal capture photon spectrum

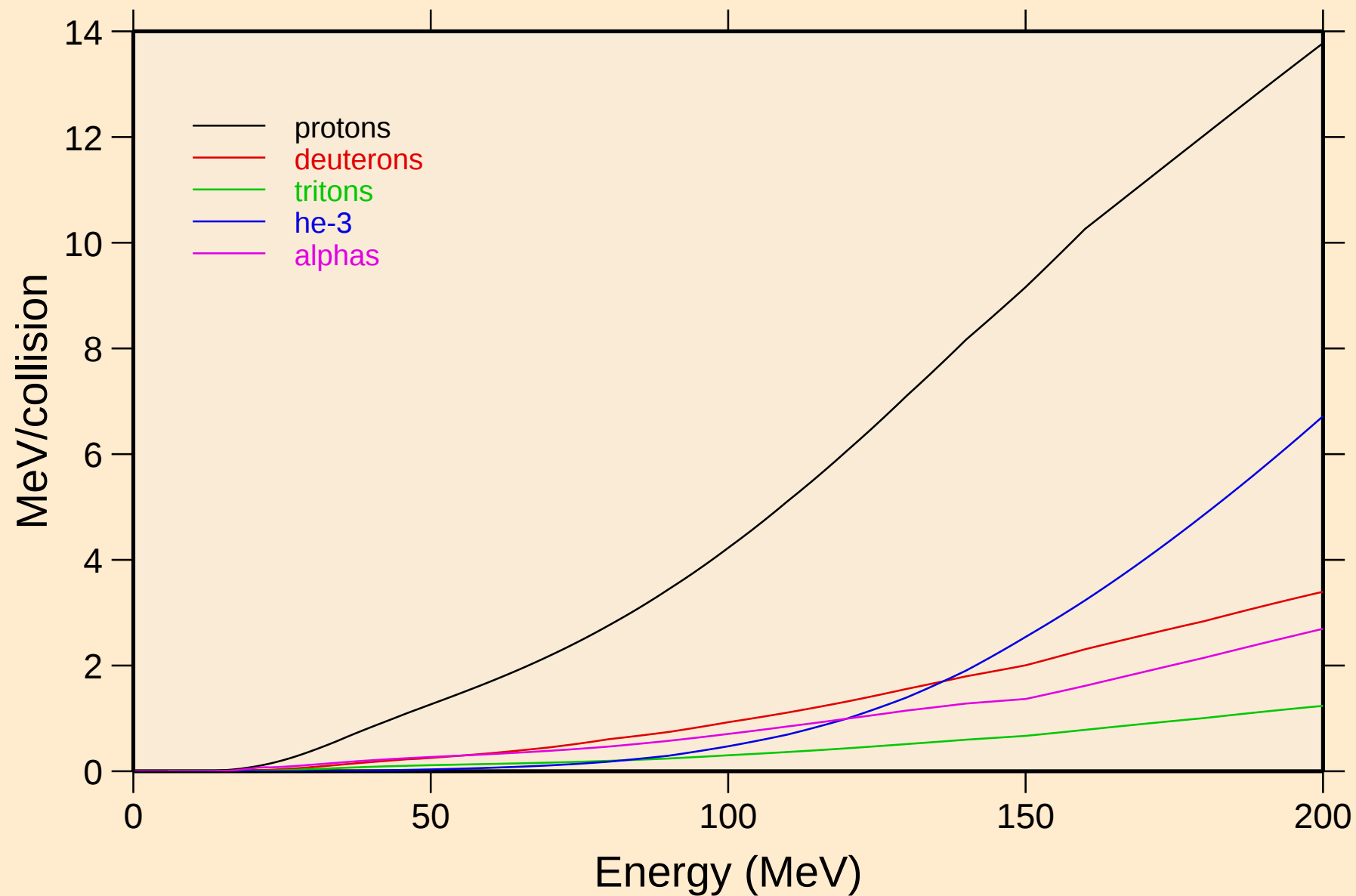


GD157 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
14 MeV photon spectrum



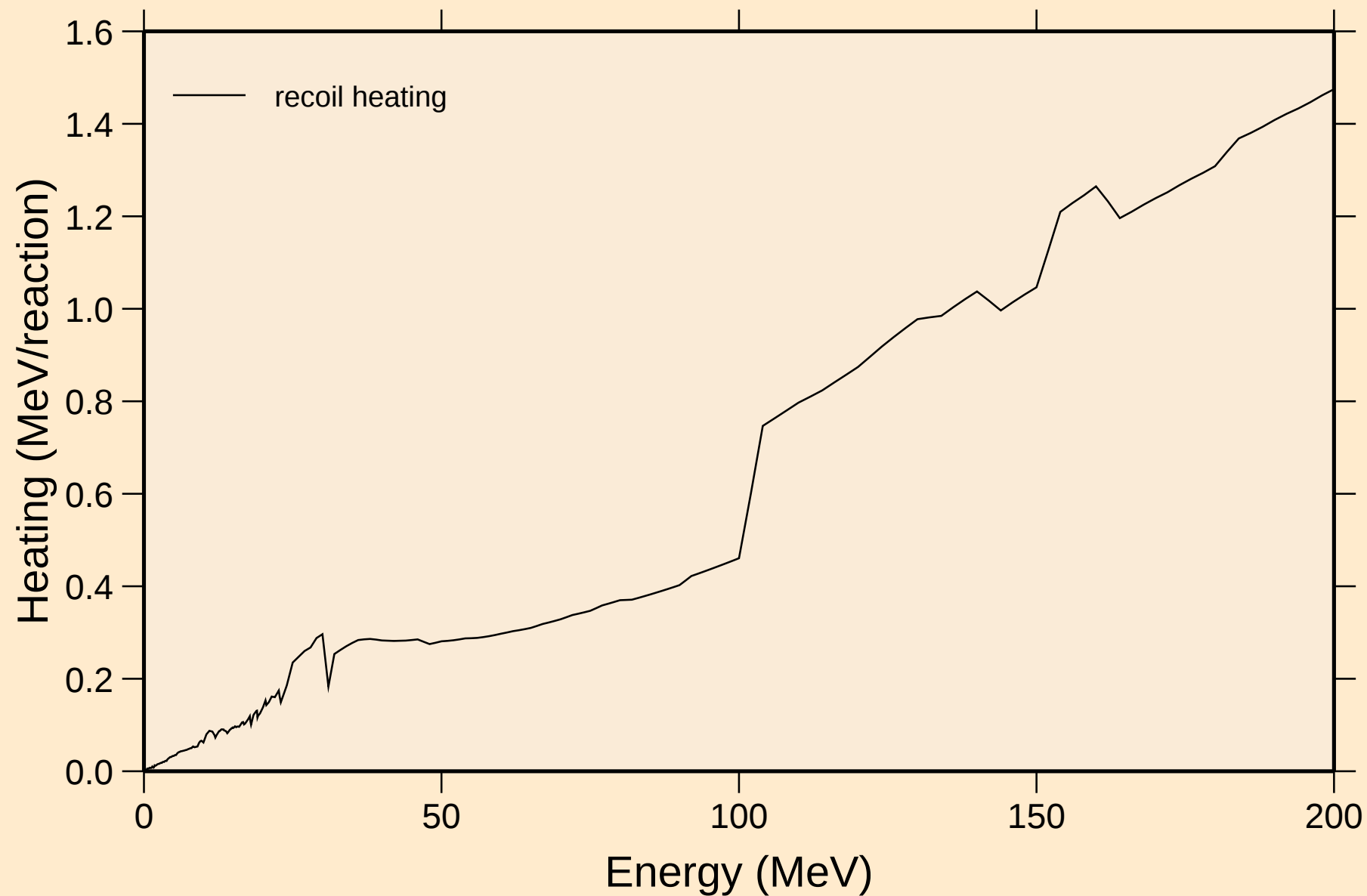
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## Particle heating contributions



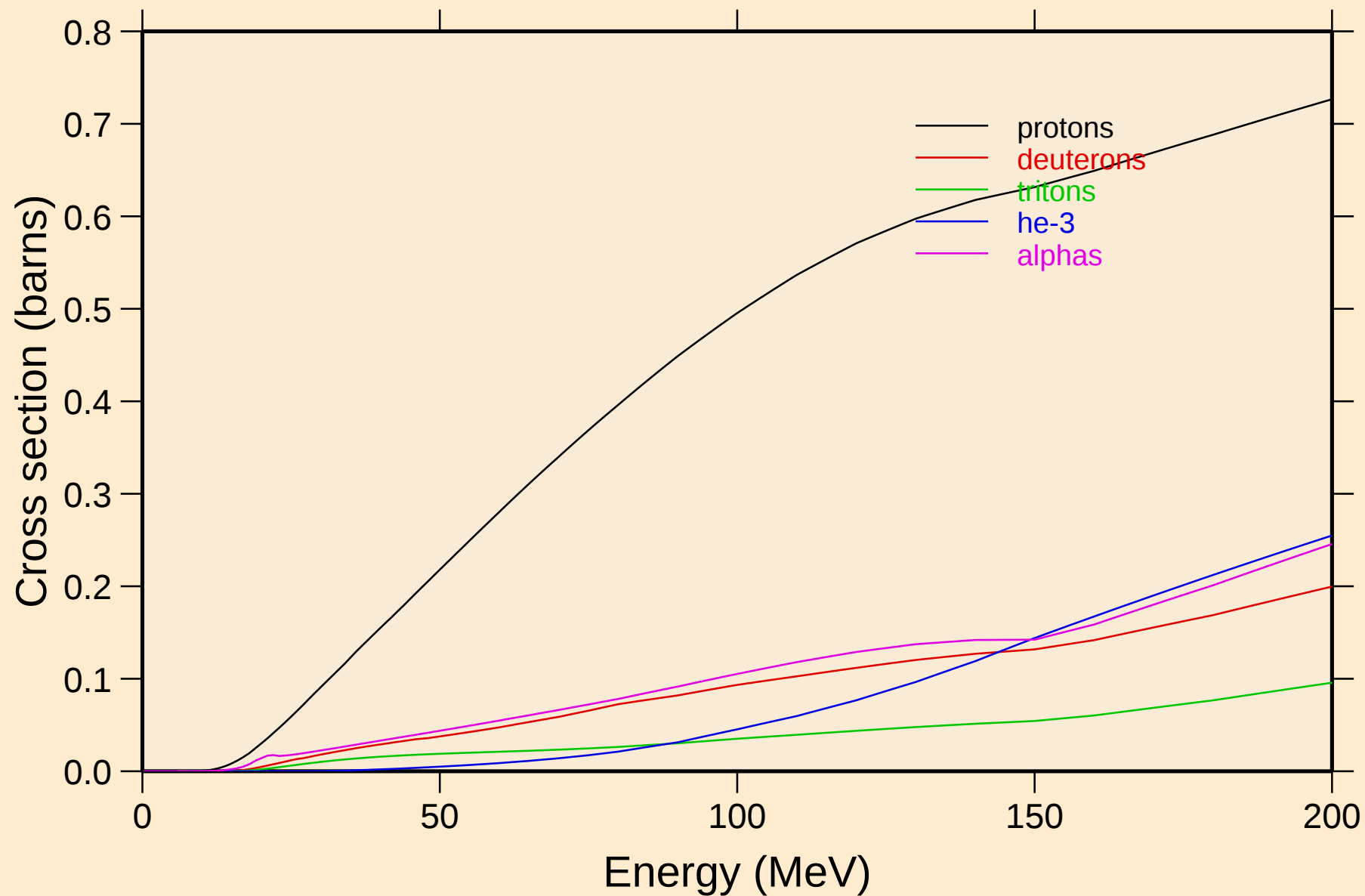
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## Recoil Heating

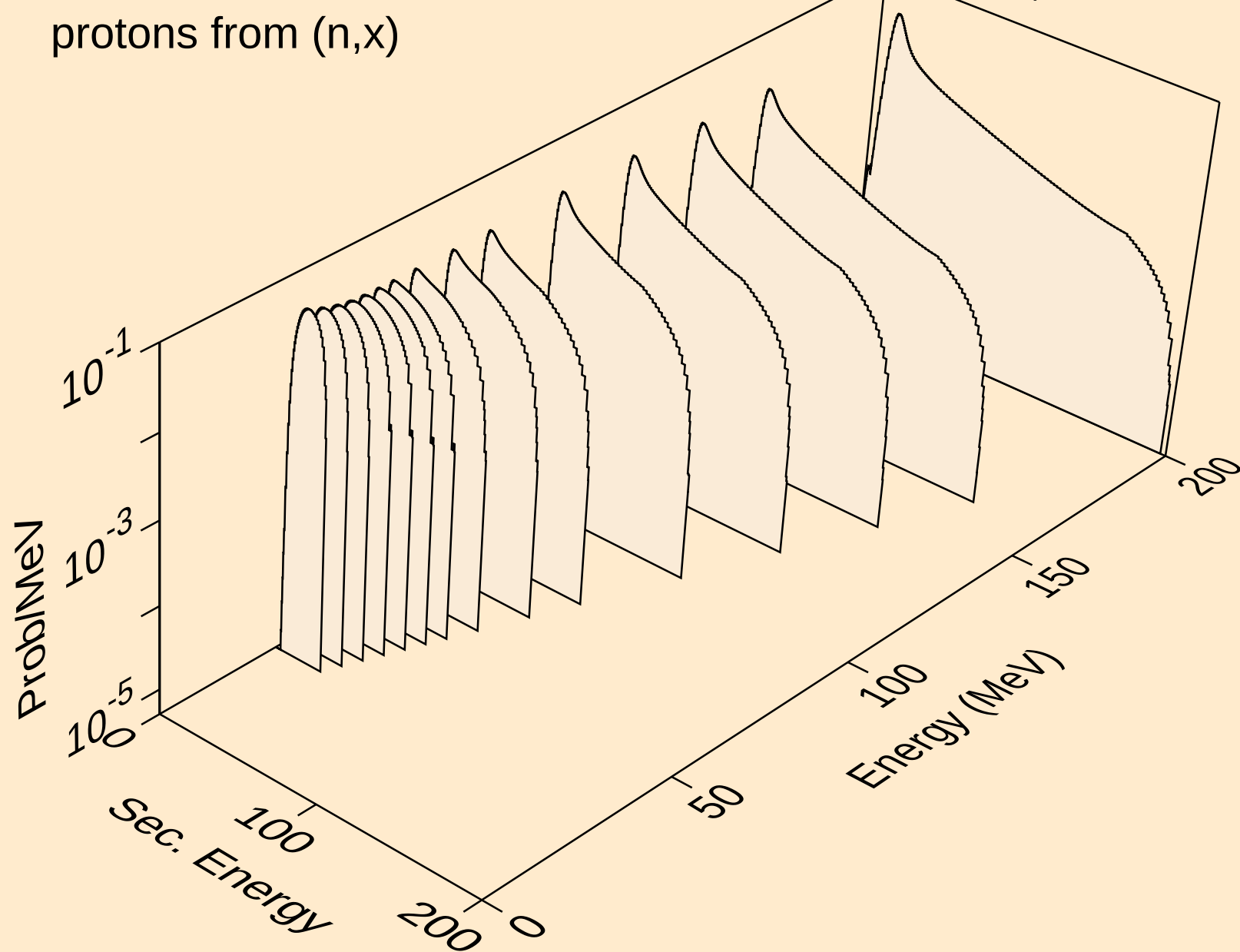


# GD157 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

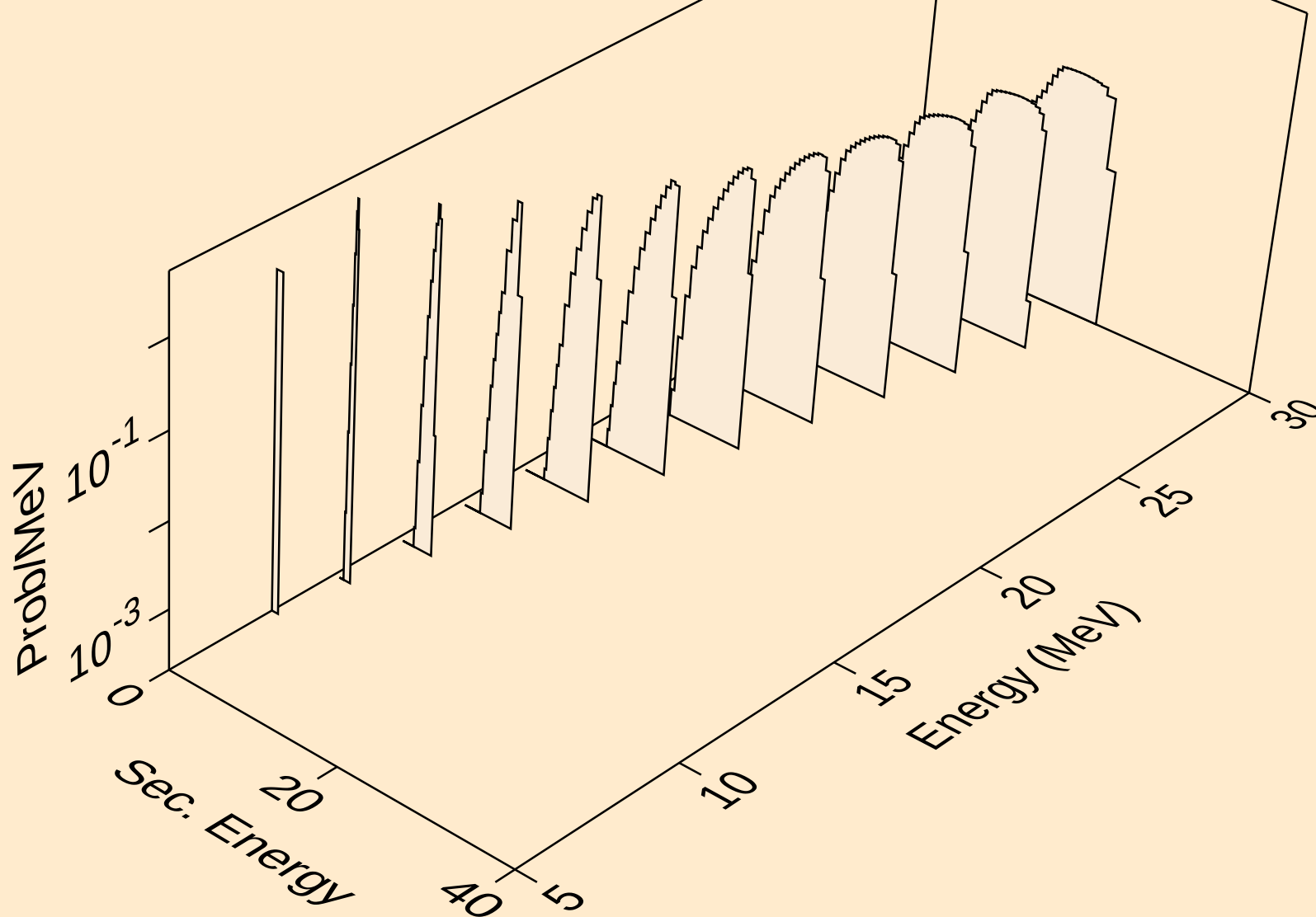
## Particle production cross sections



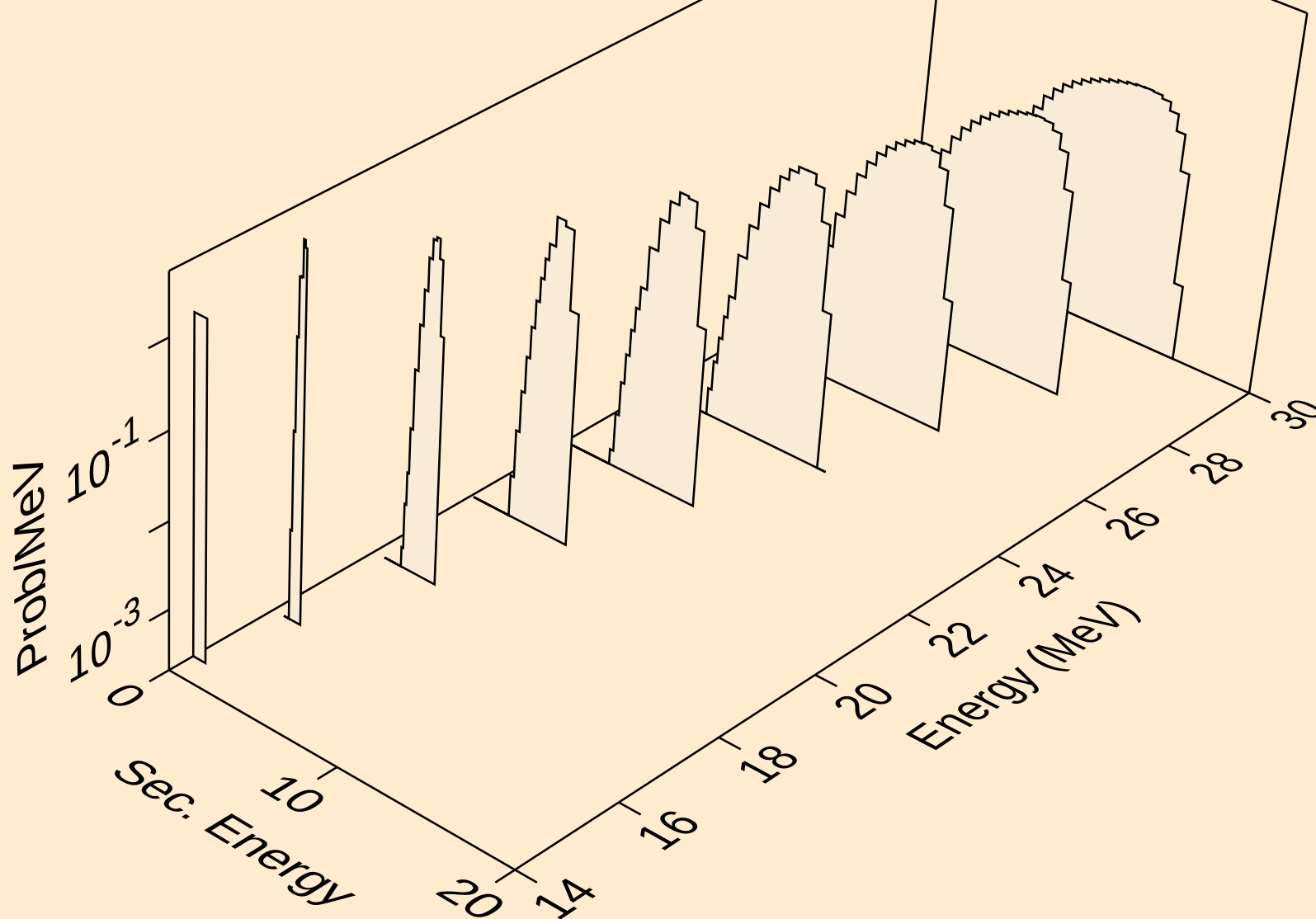
GD157 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,x)



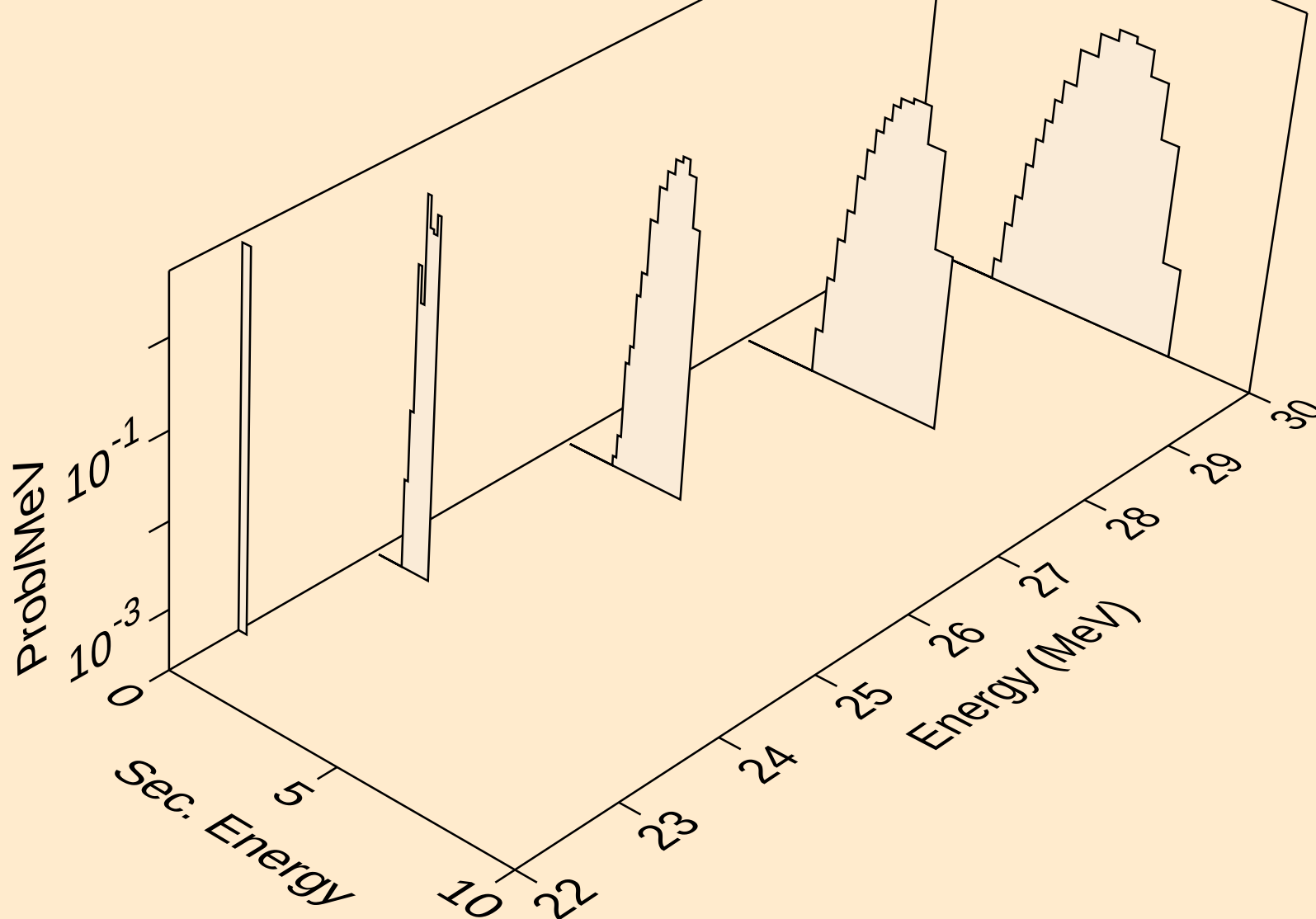
GD157 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n\*)p



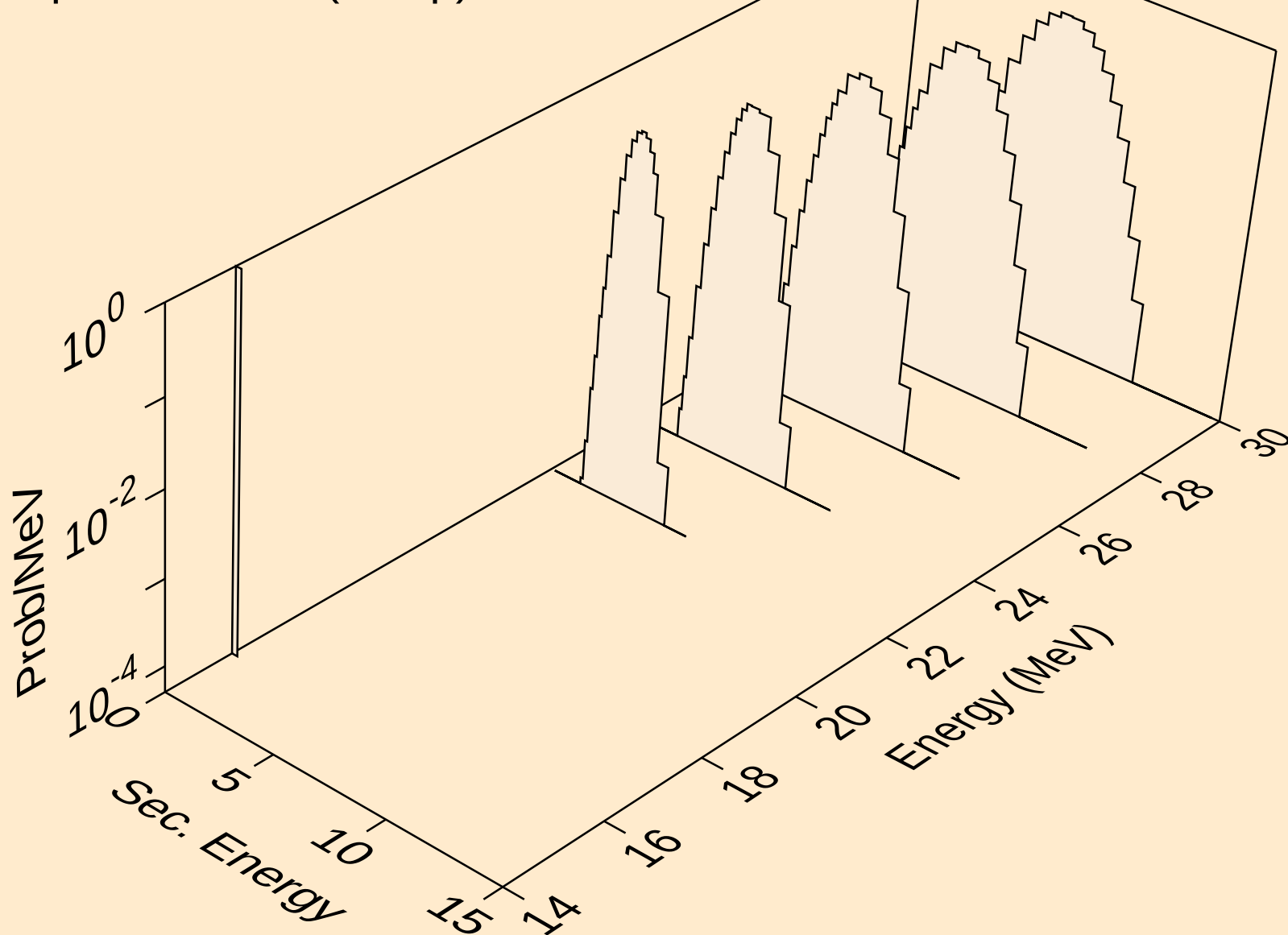
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protons from (n,2np)



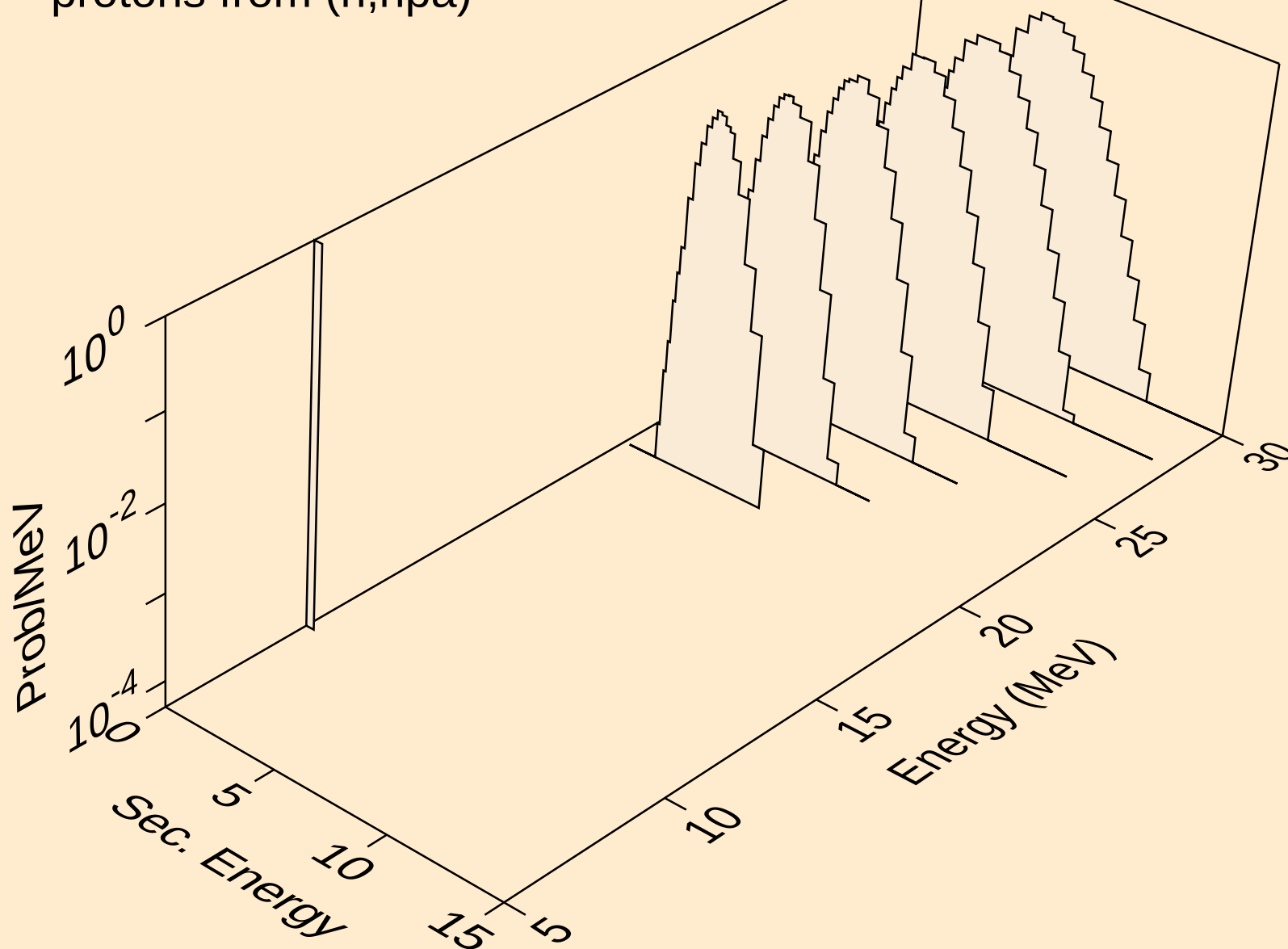
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protons from (n,3np)



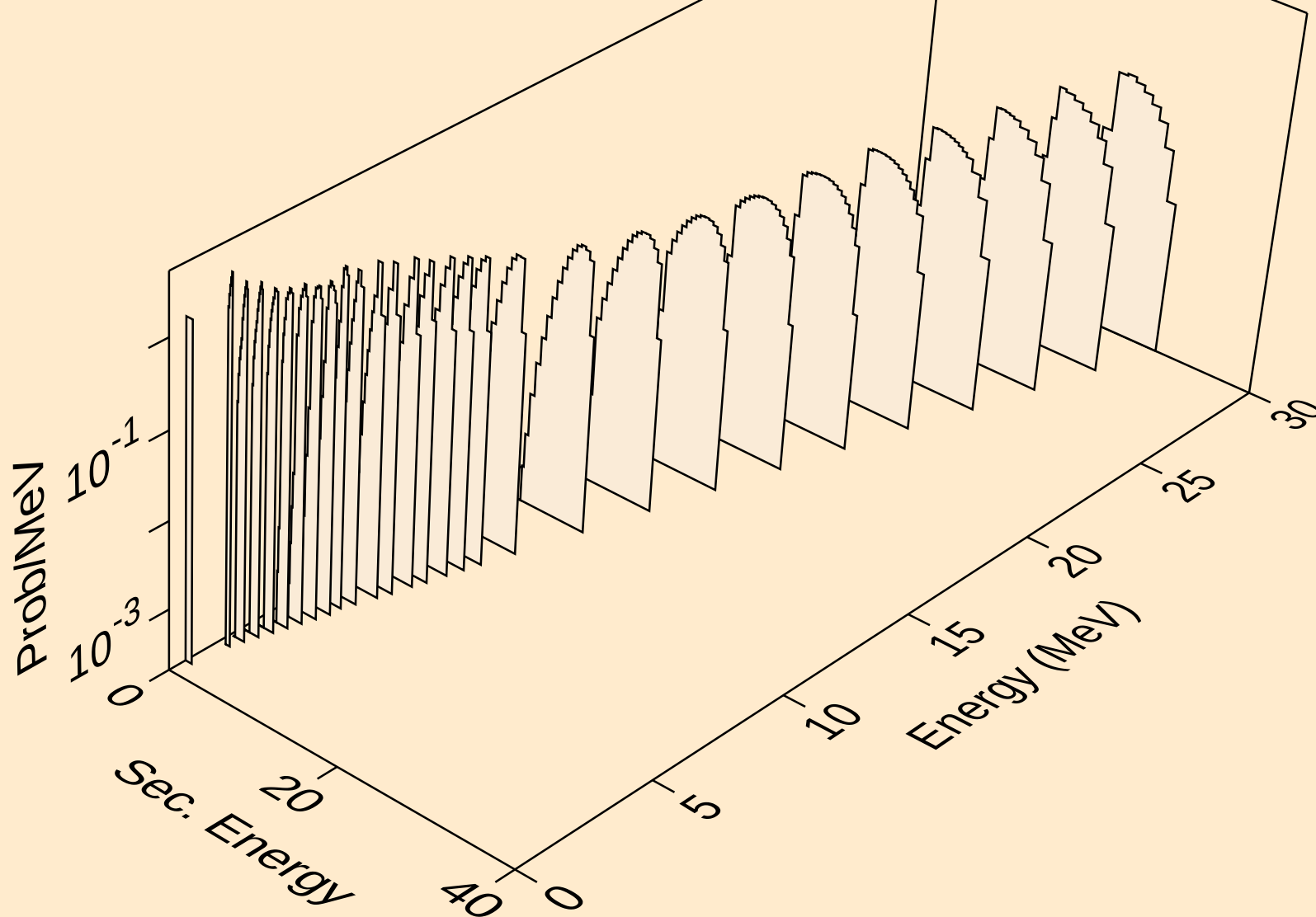
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protons from (n,n2p)



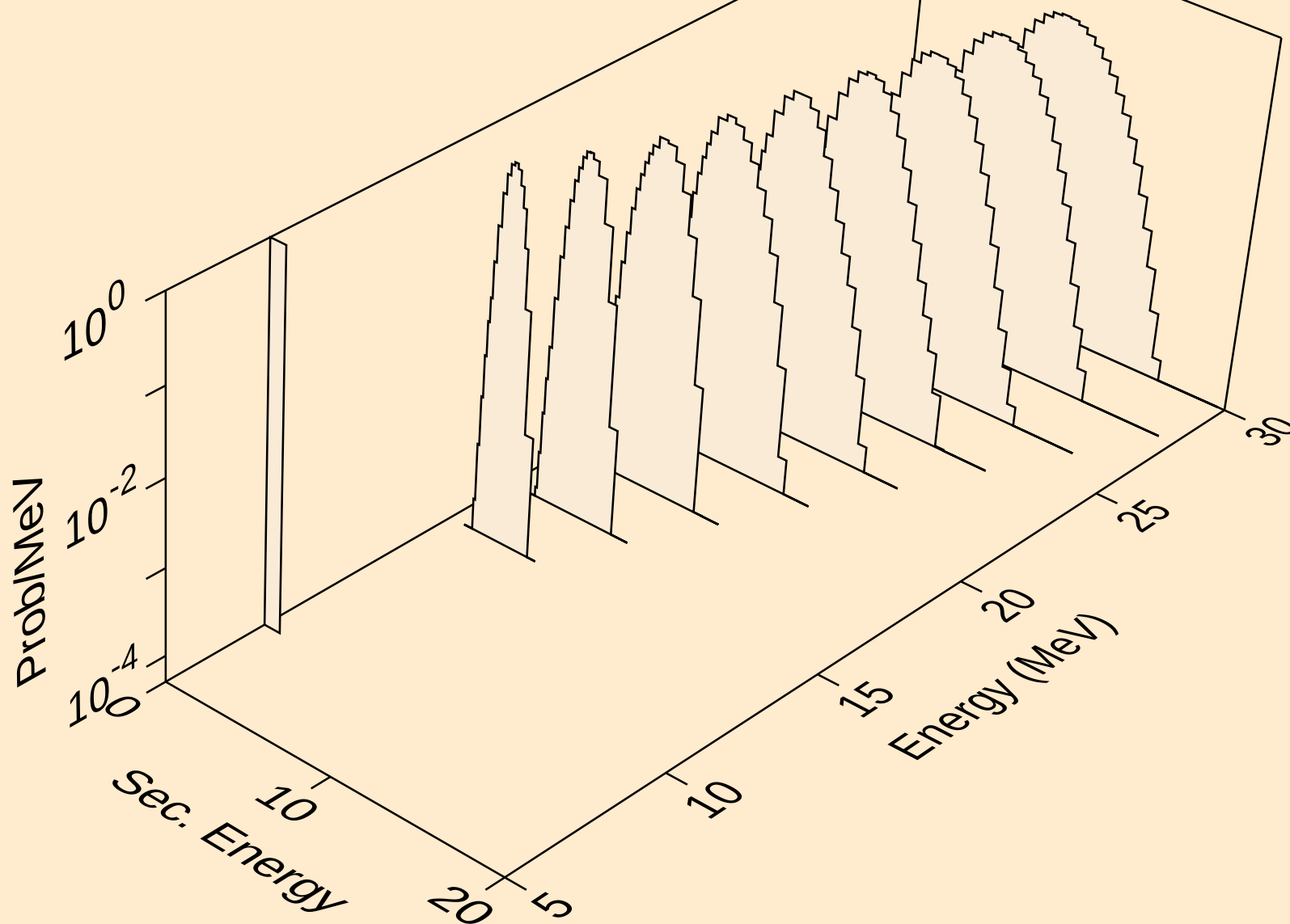
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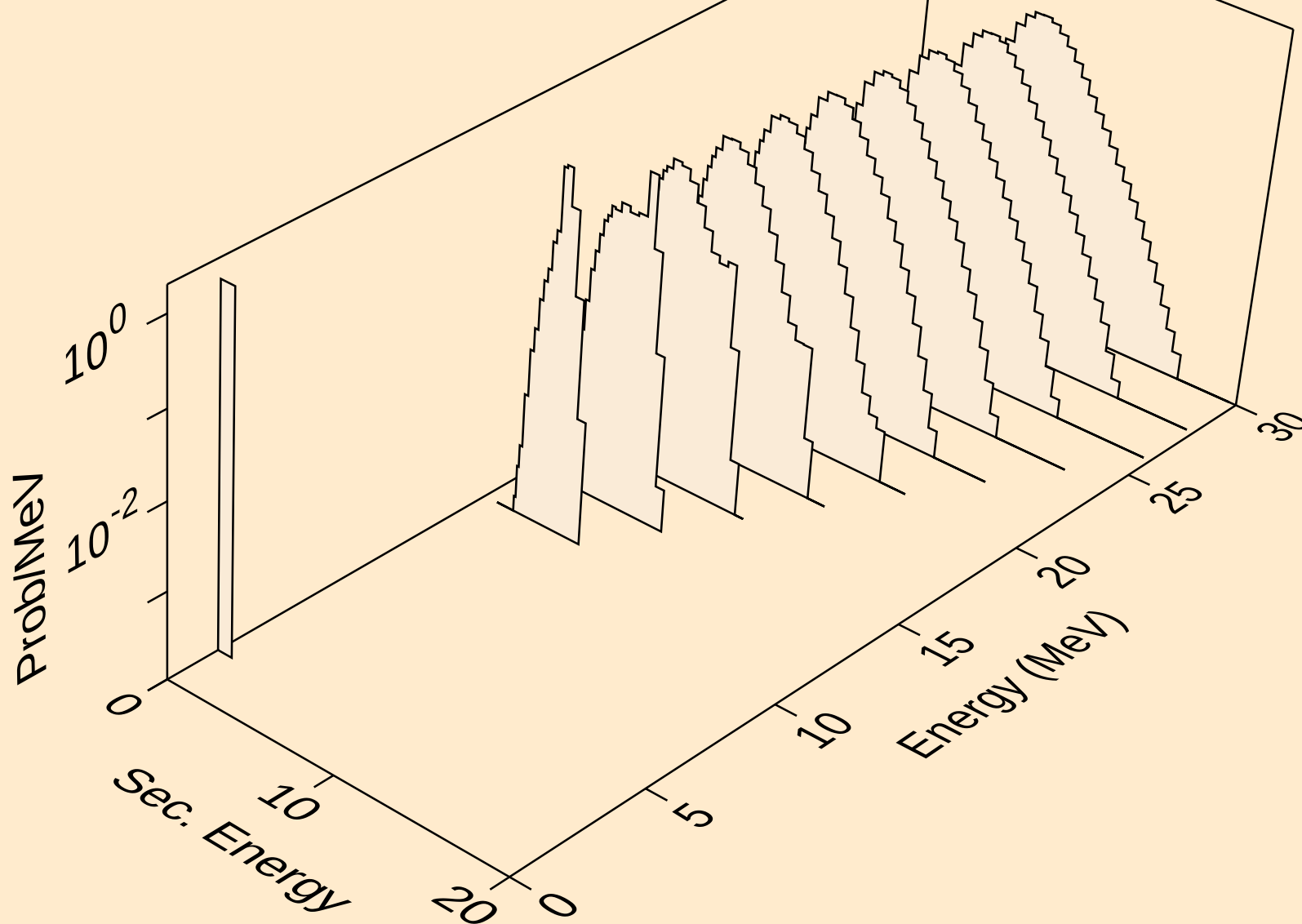
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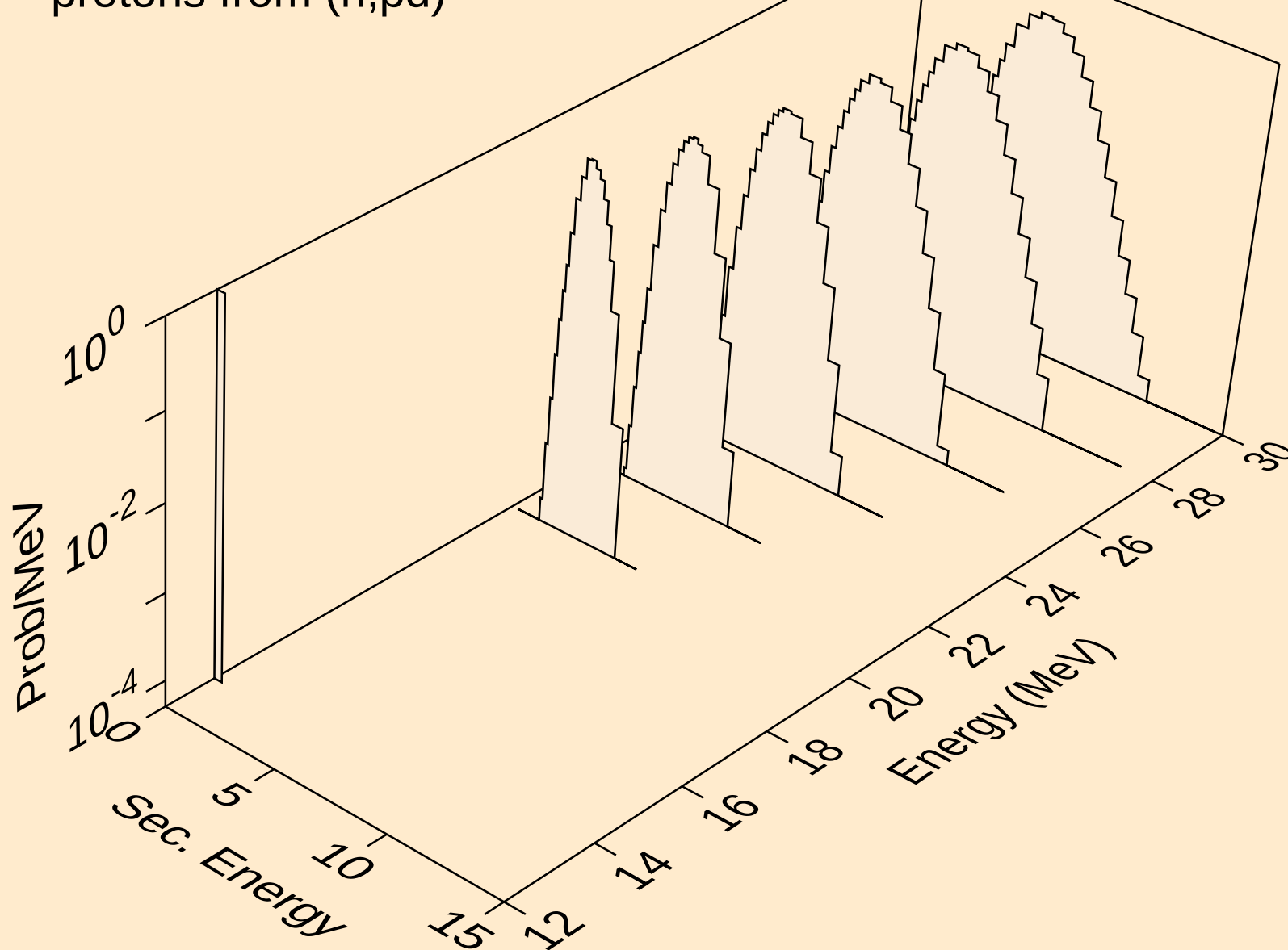
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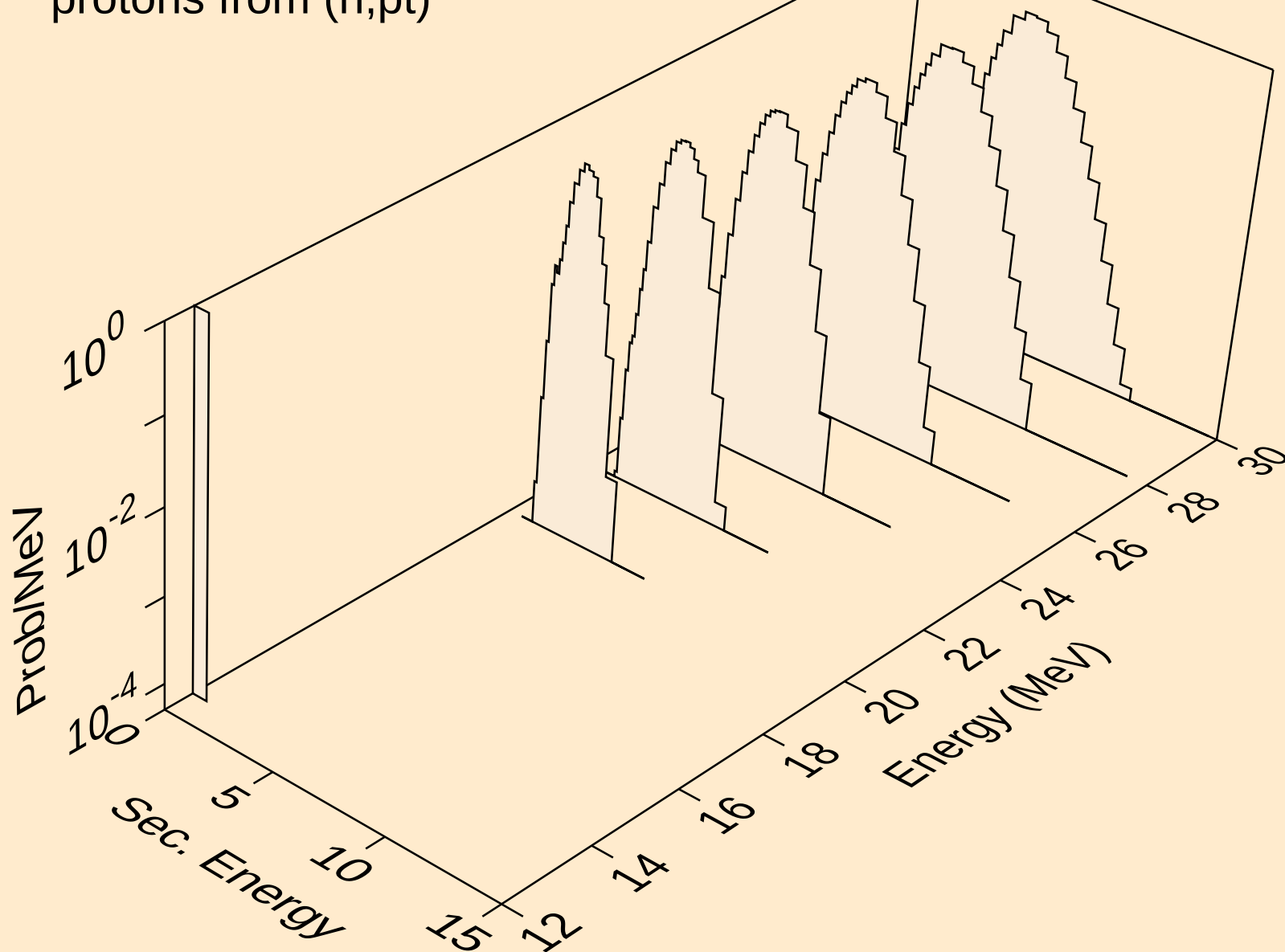
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protons from (n,p)



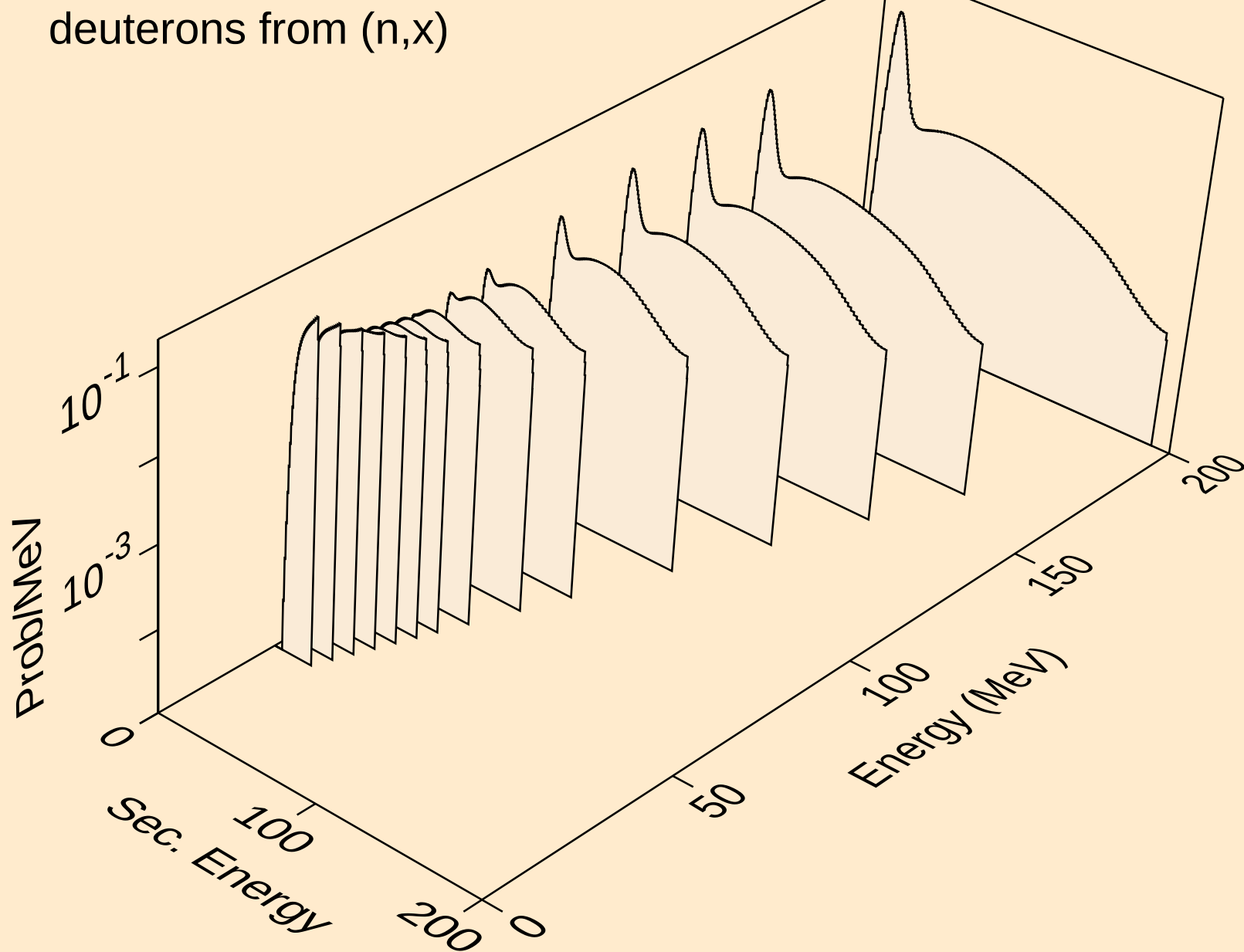
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protons from (n,pd)



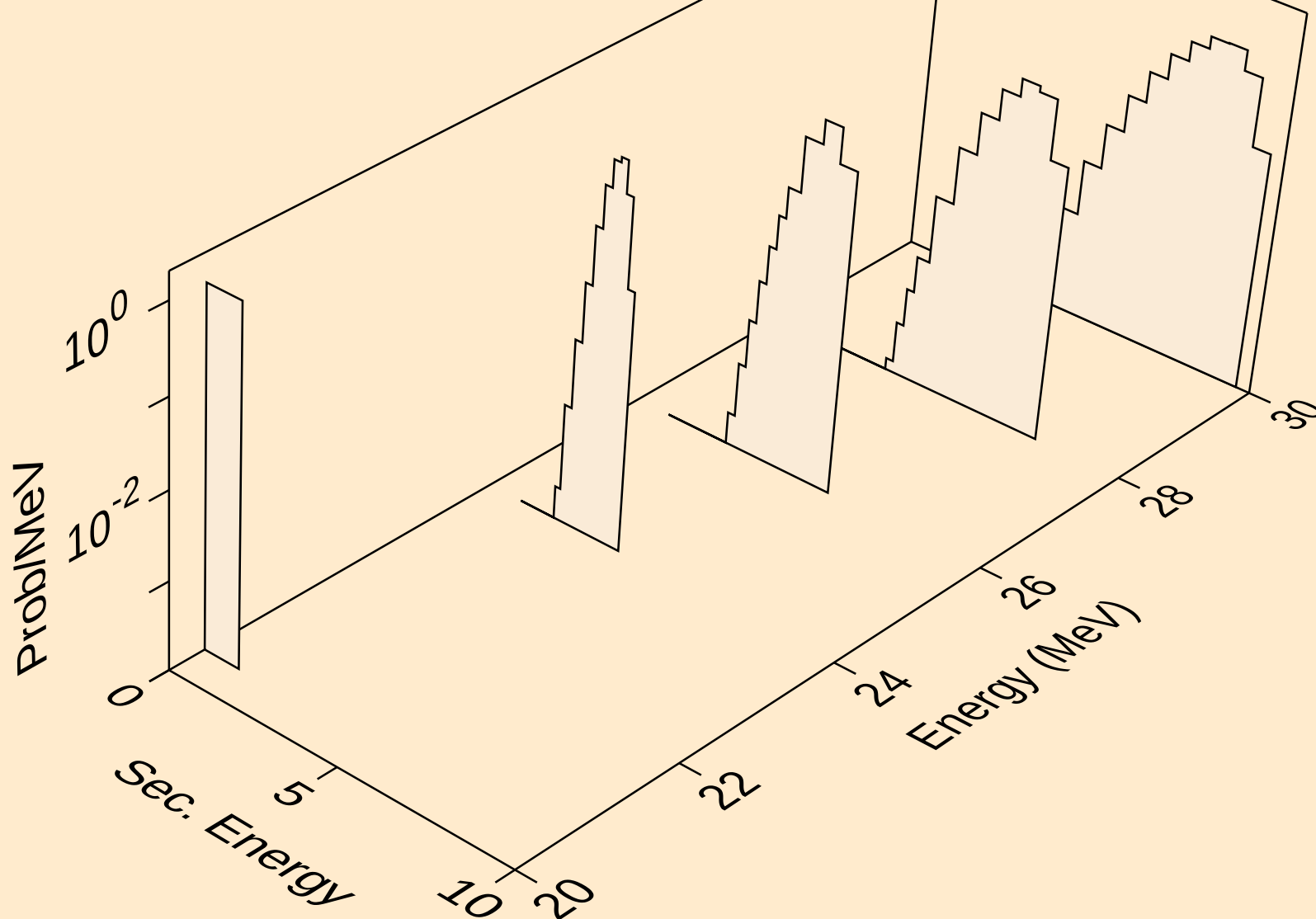
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protons from (n,pt)



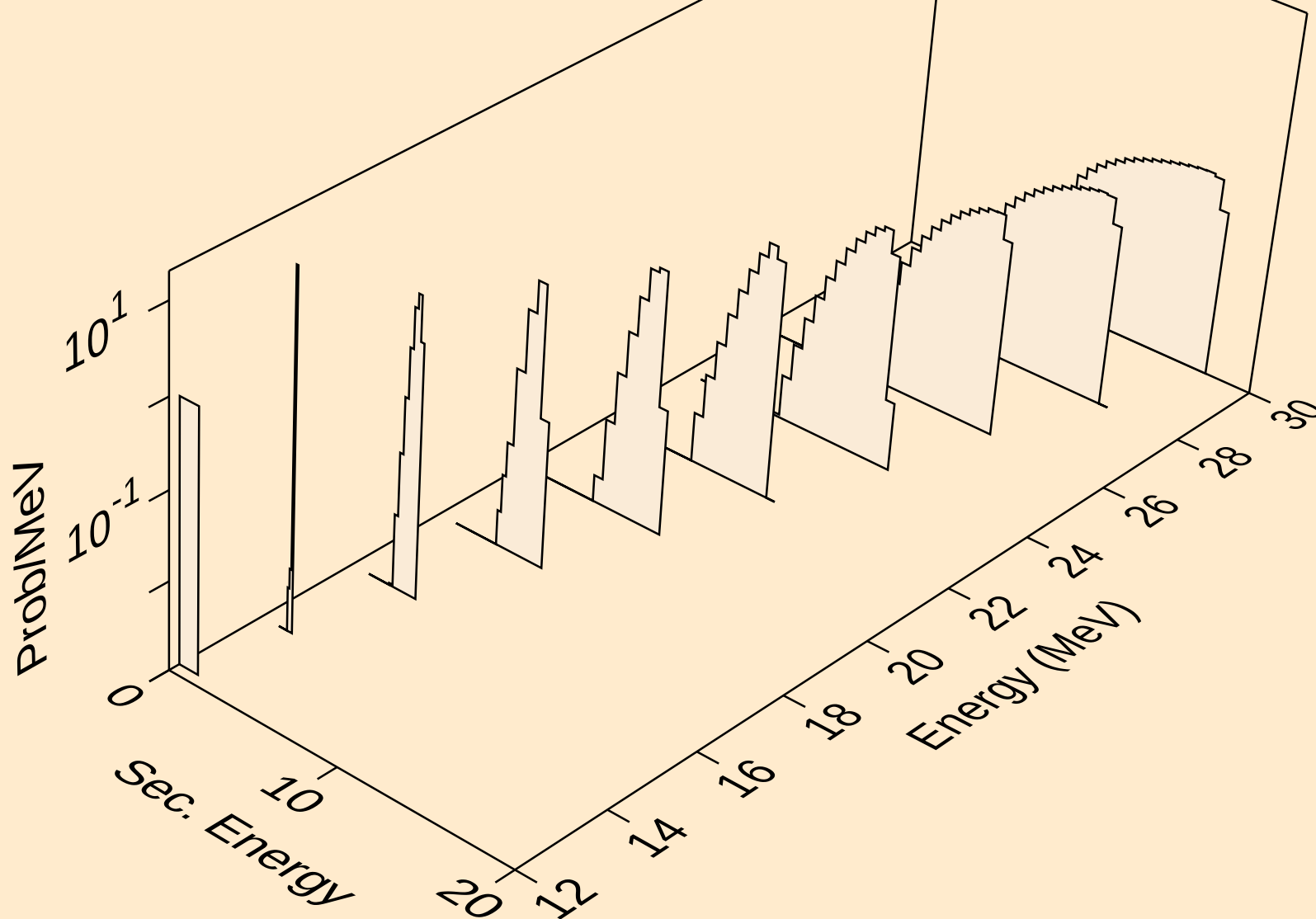
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deuterons from (n,x)



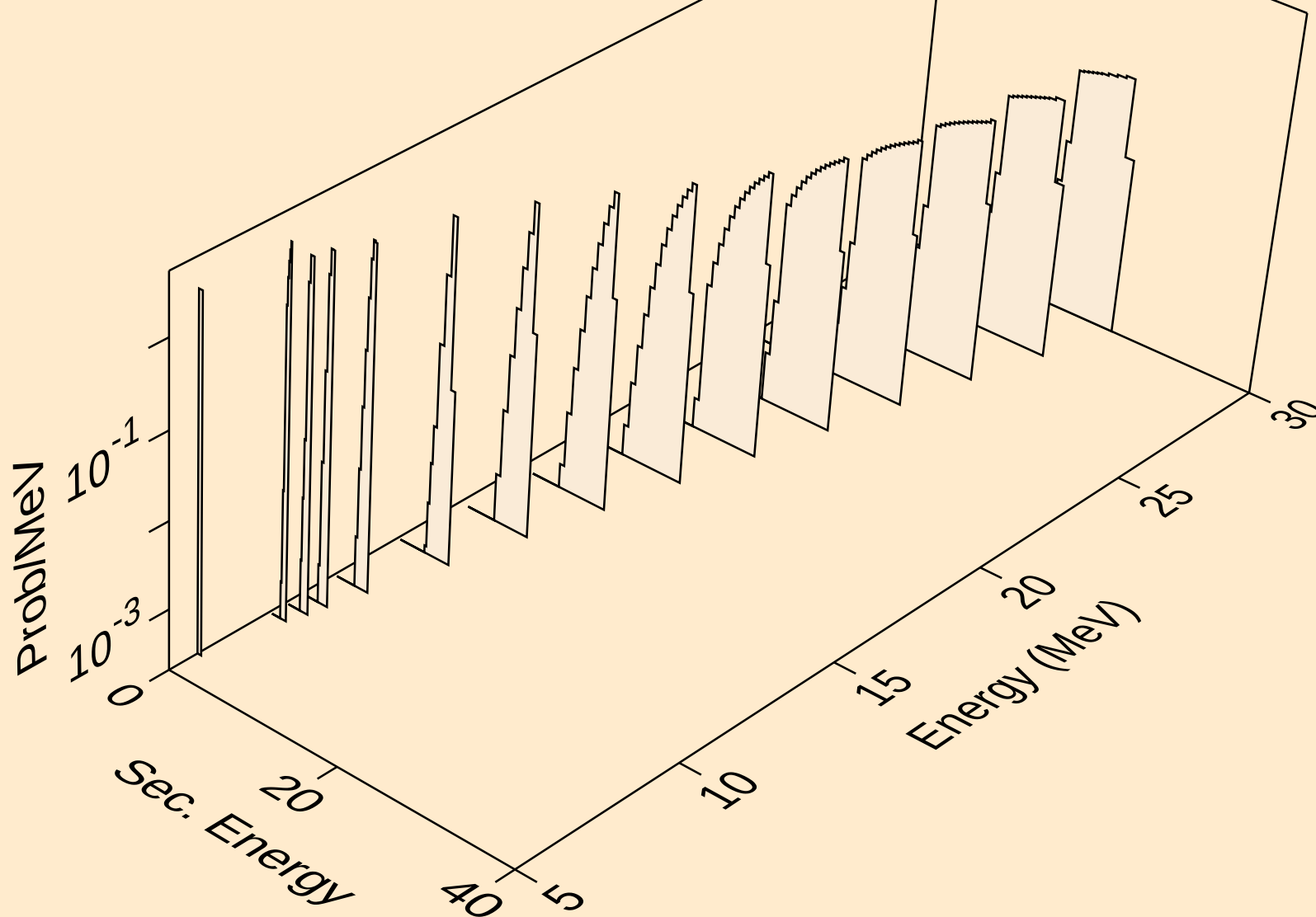
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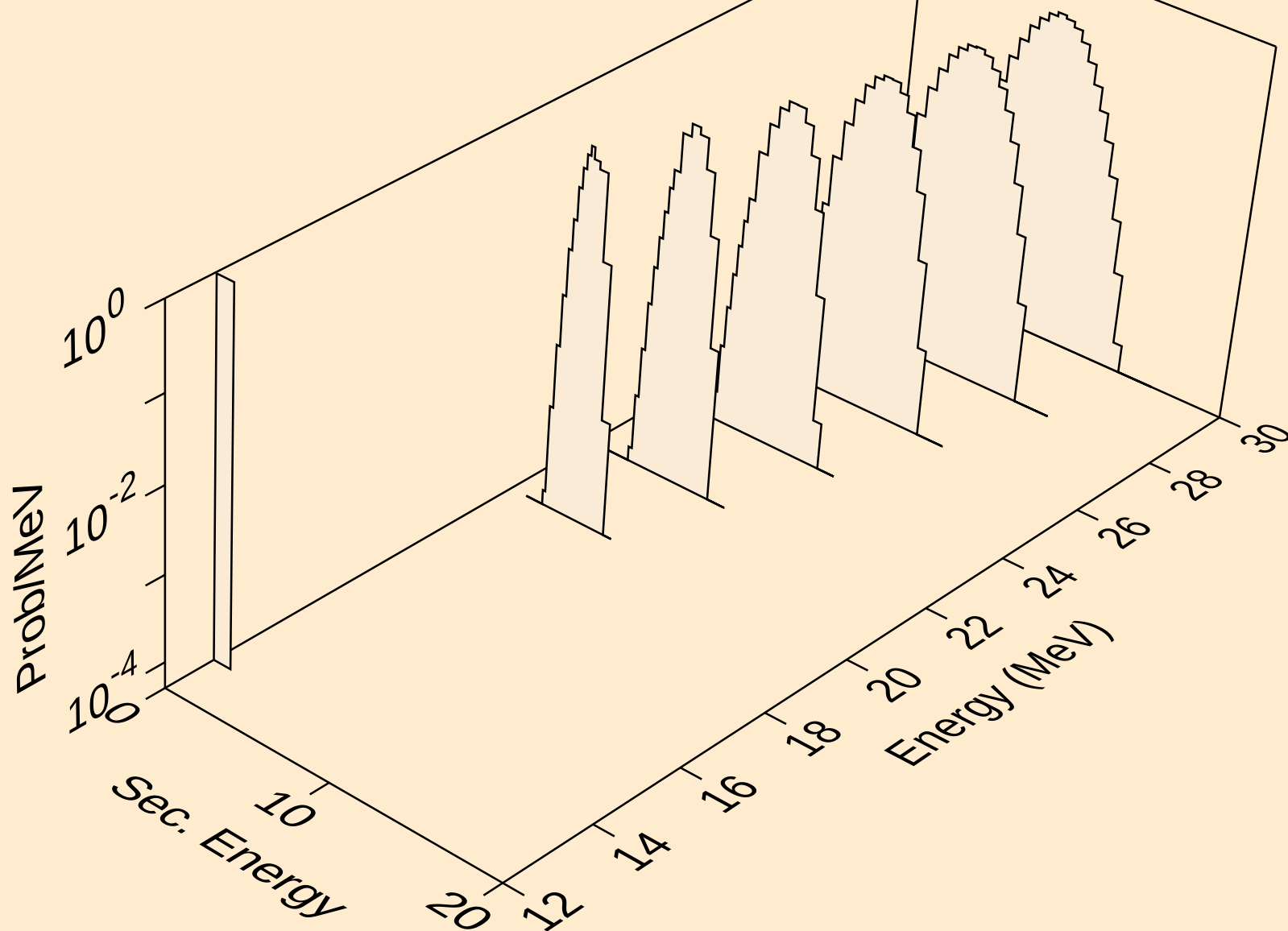
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deuterons from (n,n\*)d



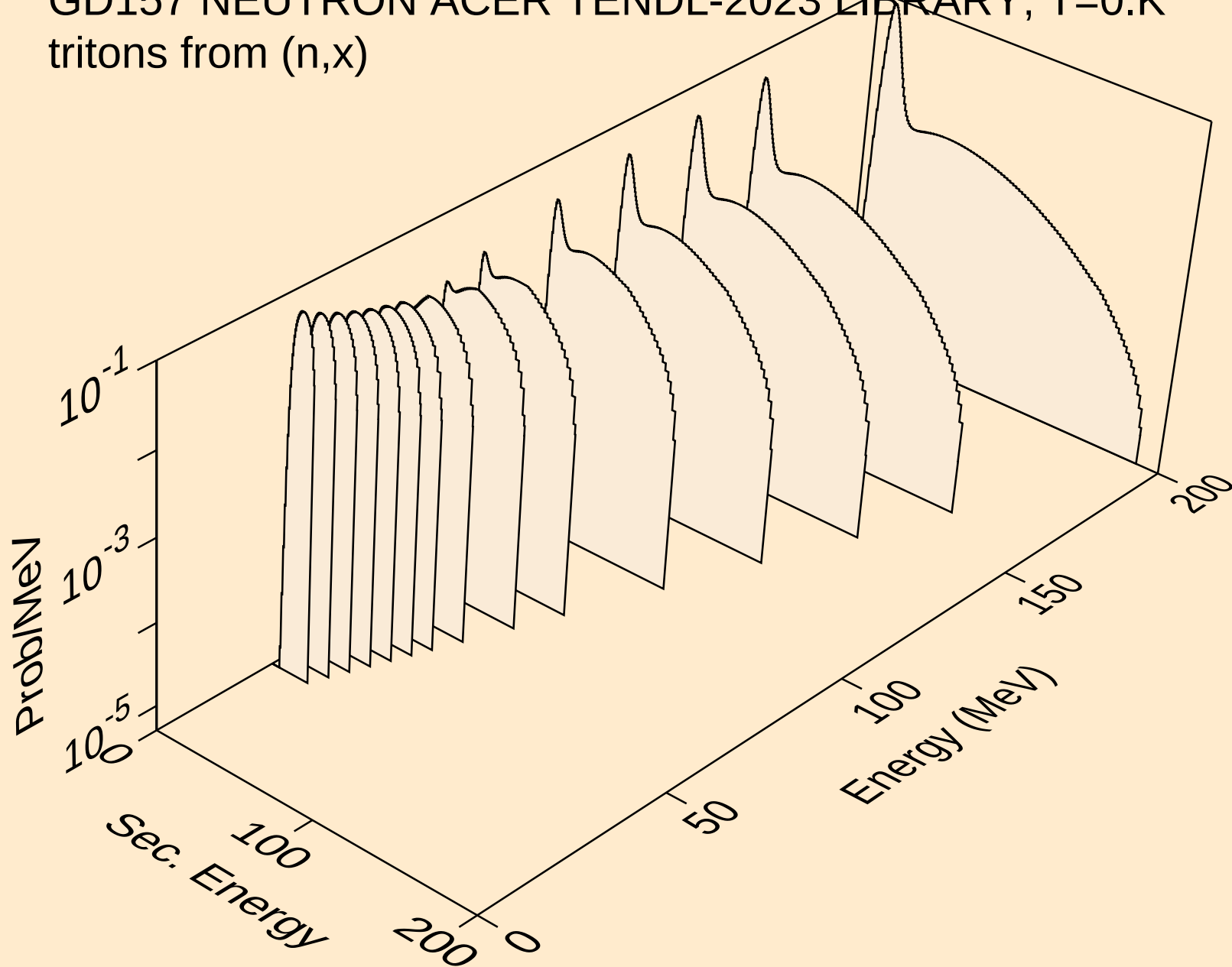
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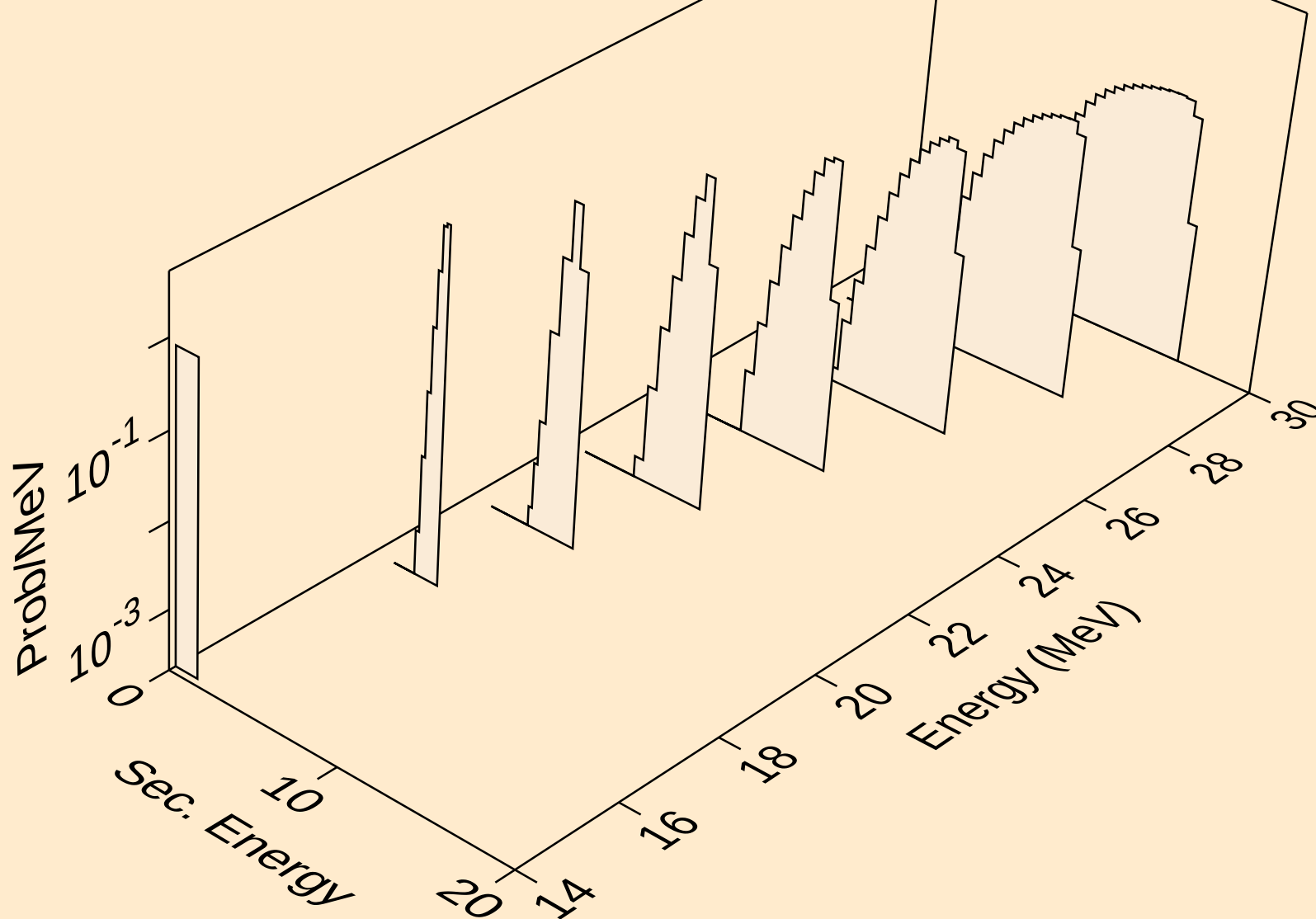
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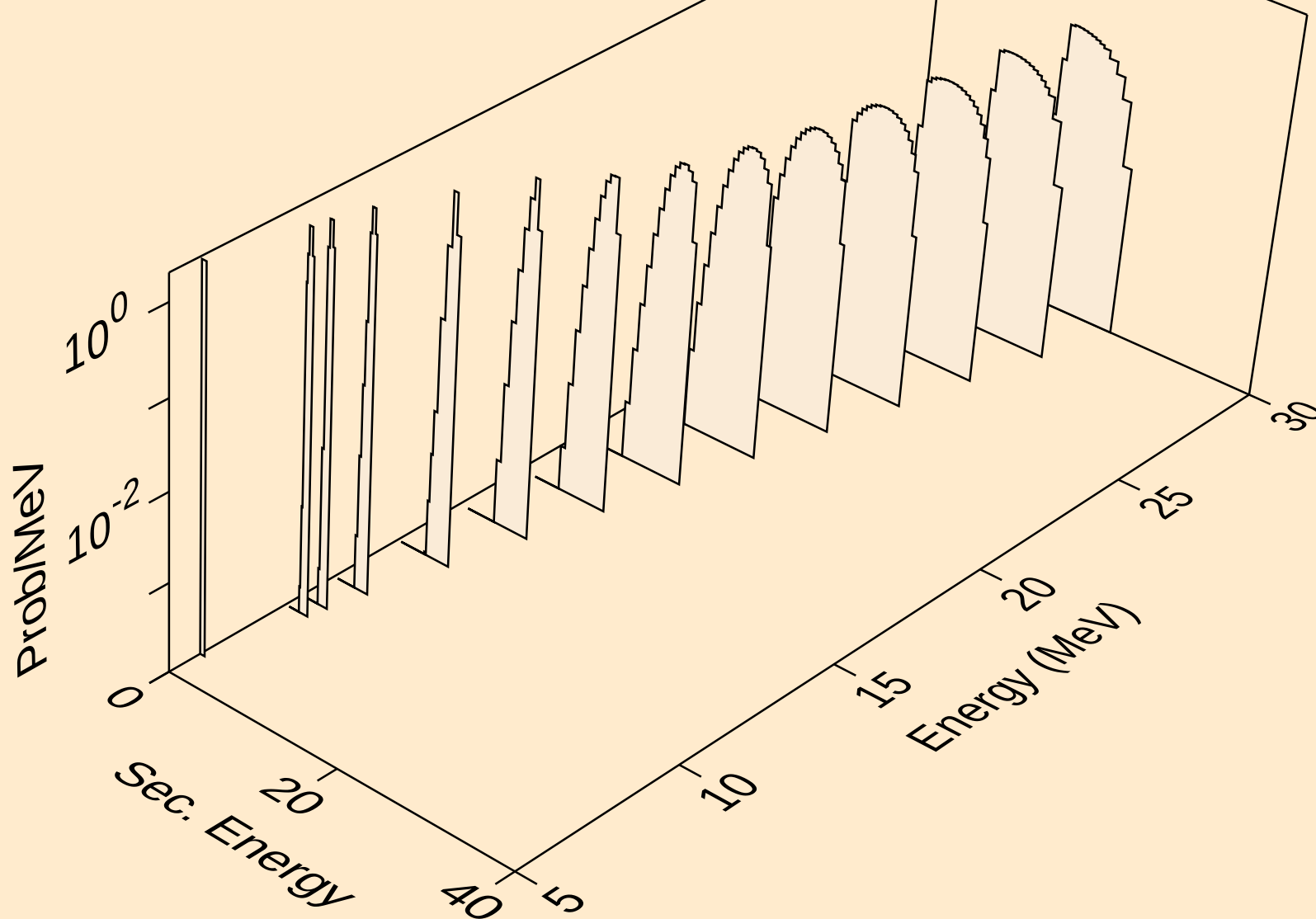
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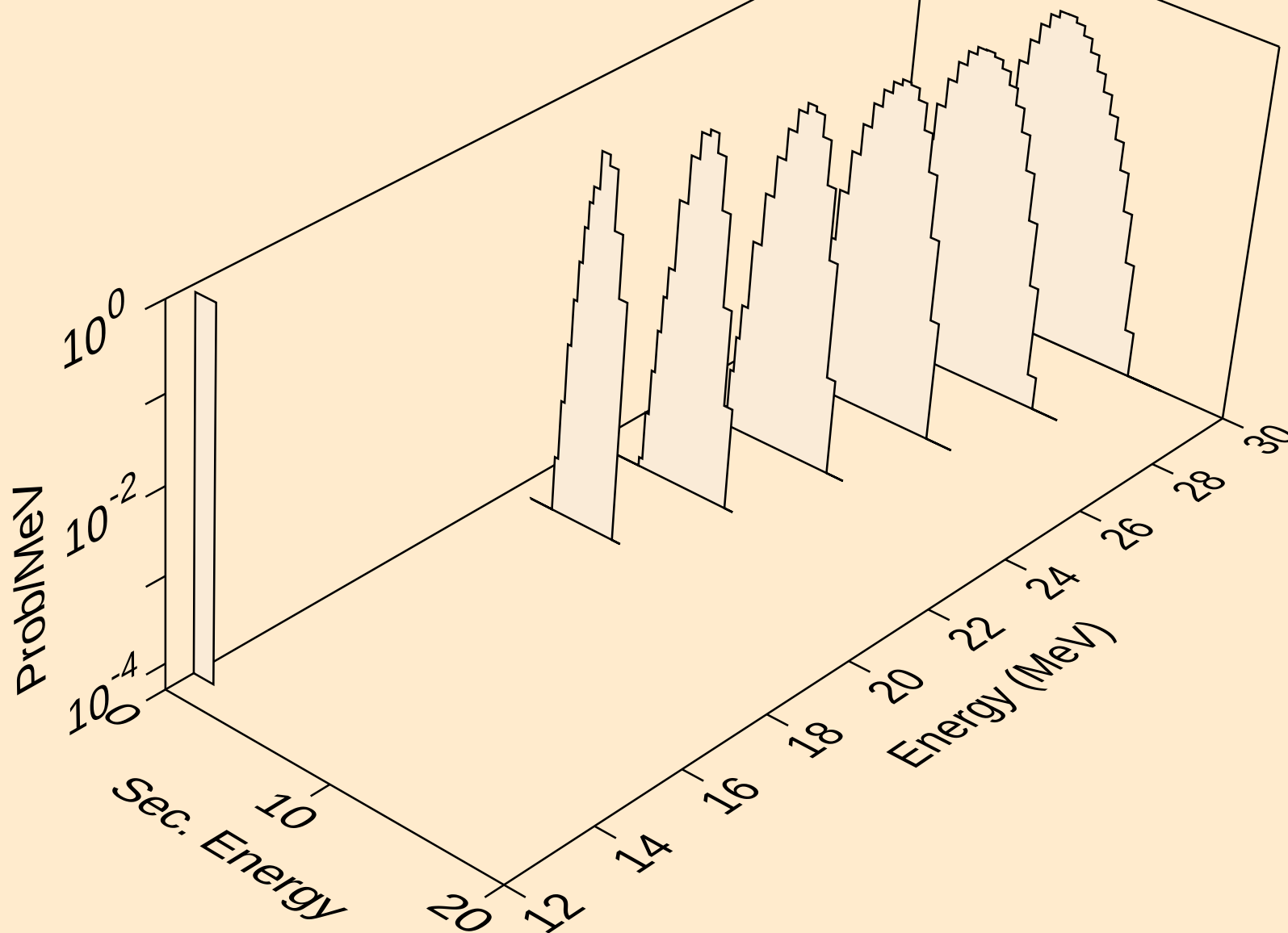
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tritons from (n,n\*)t



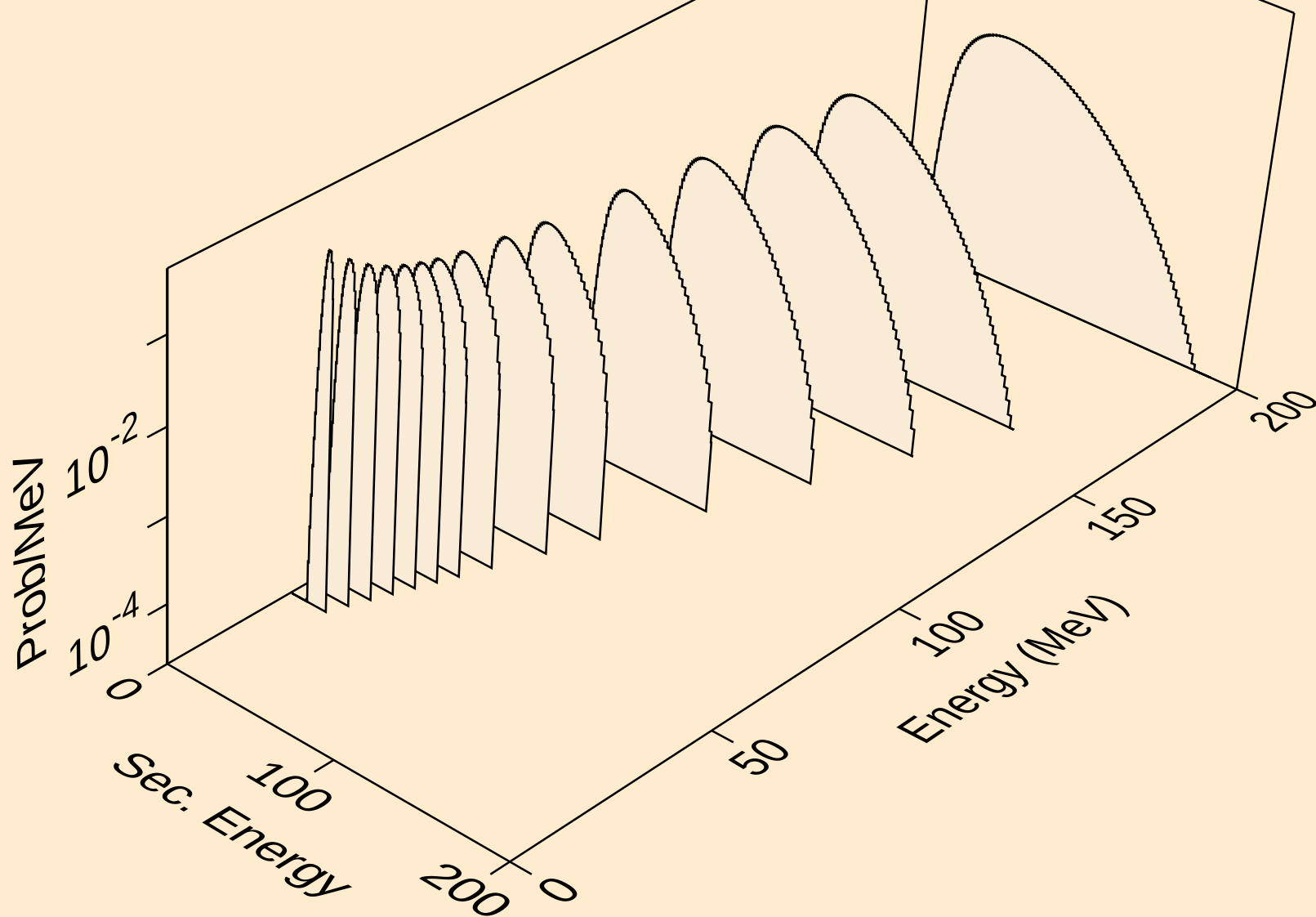
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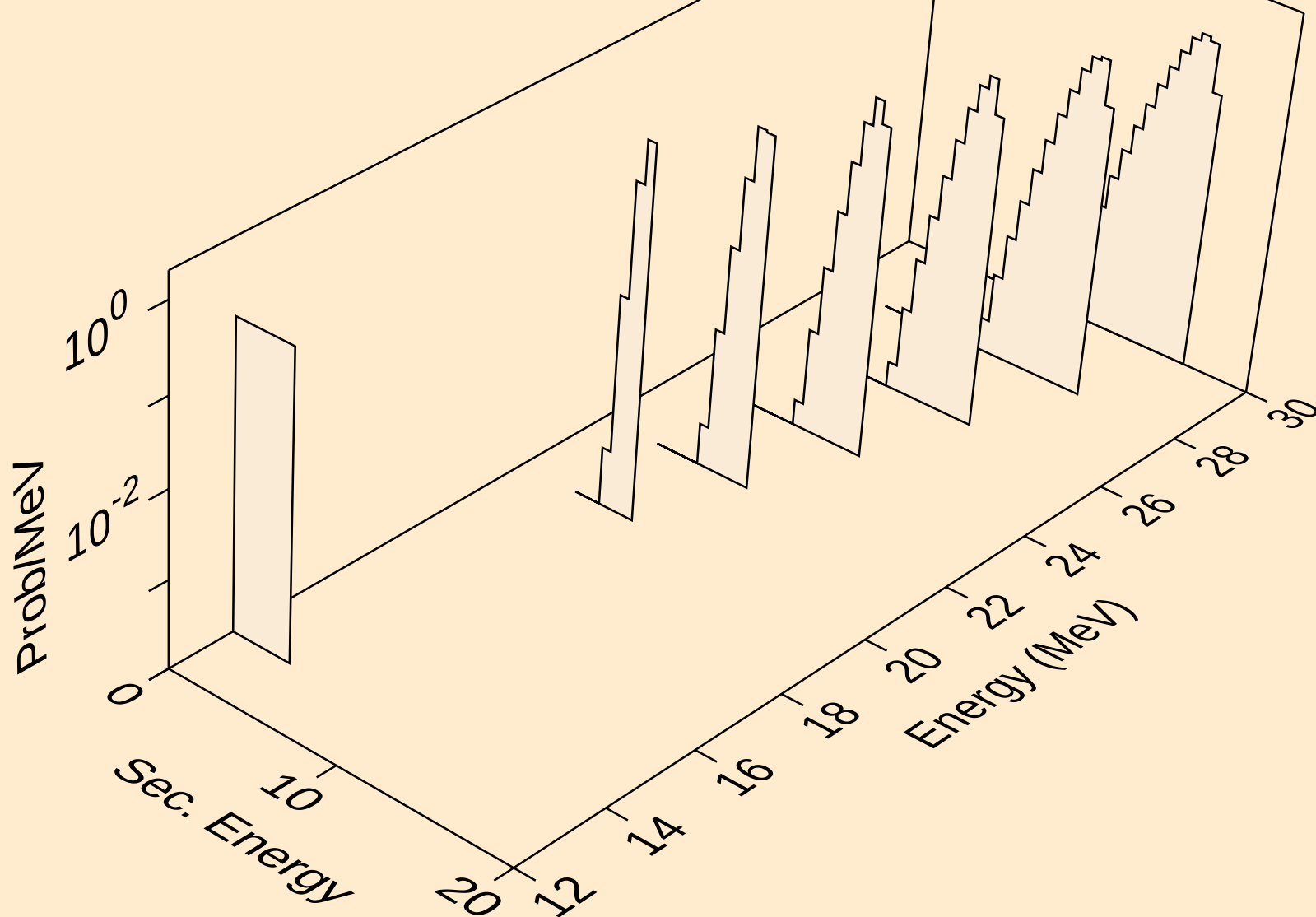
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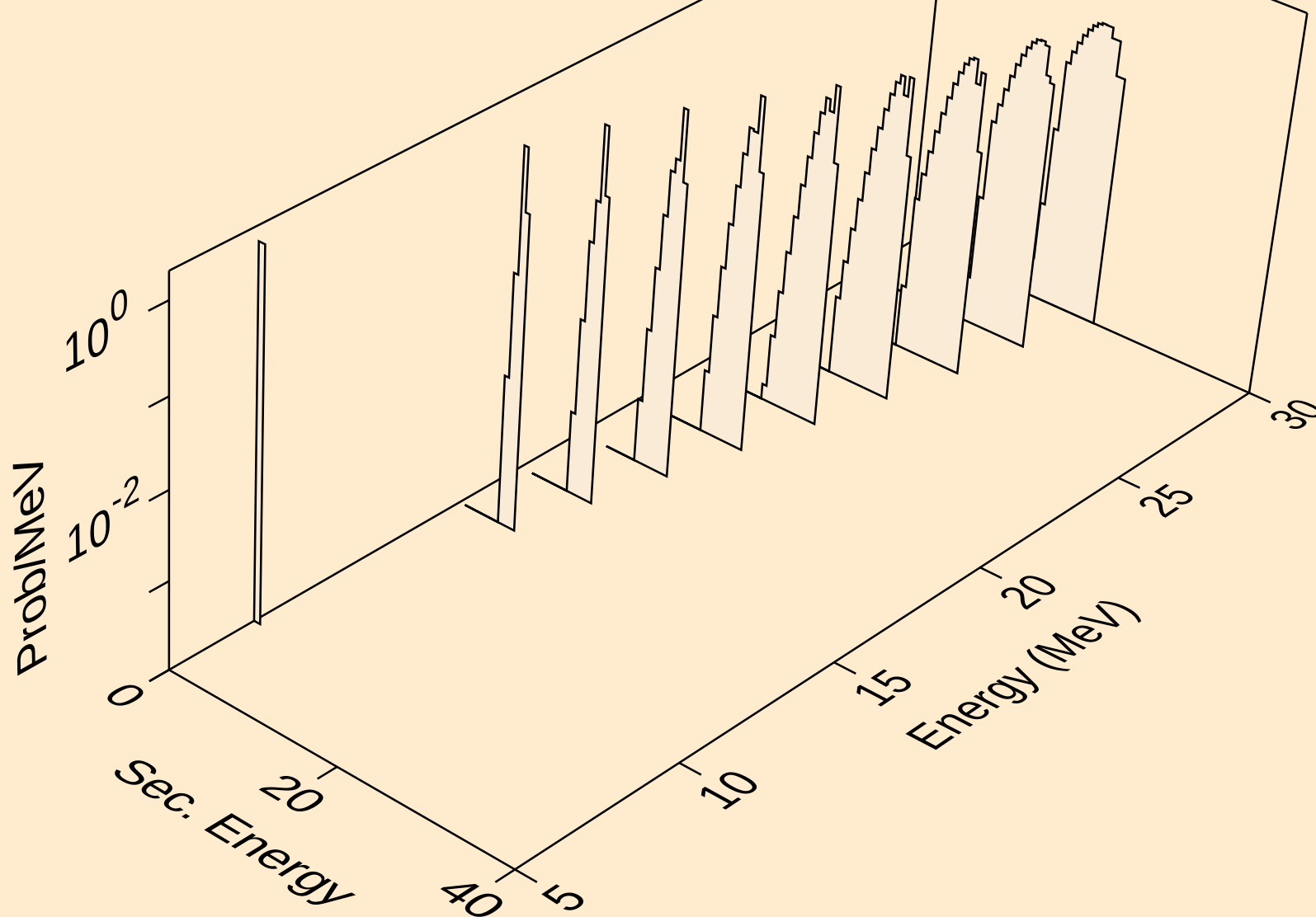
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he3s from (n,x)



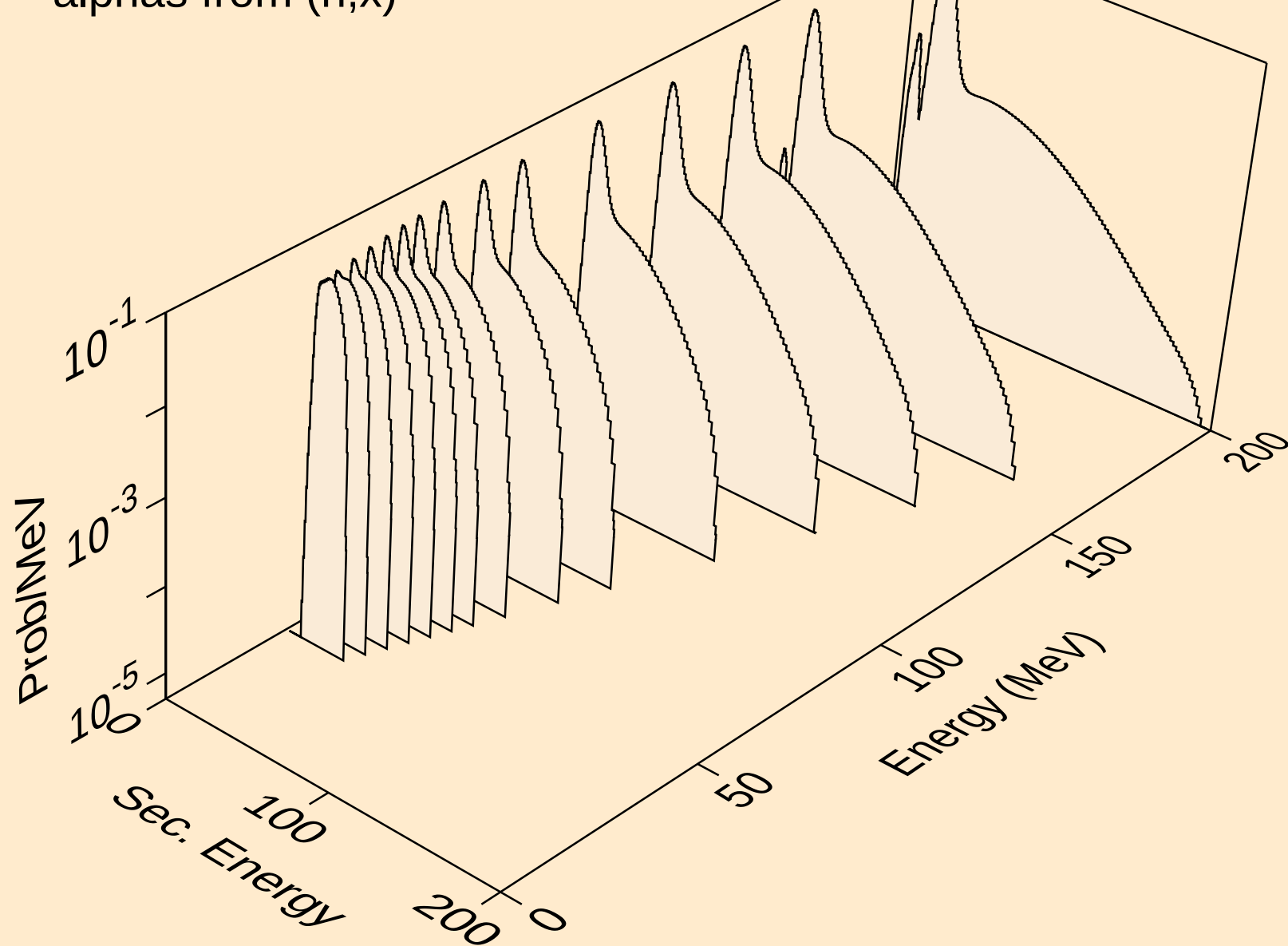
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he3s from (n,n\*)he3



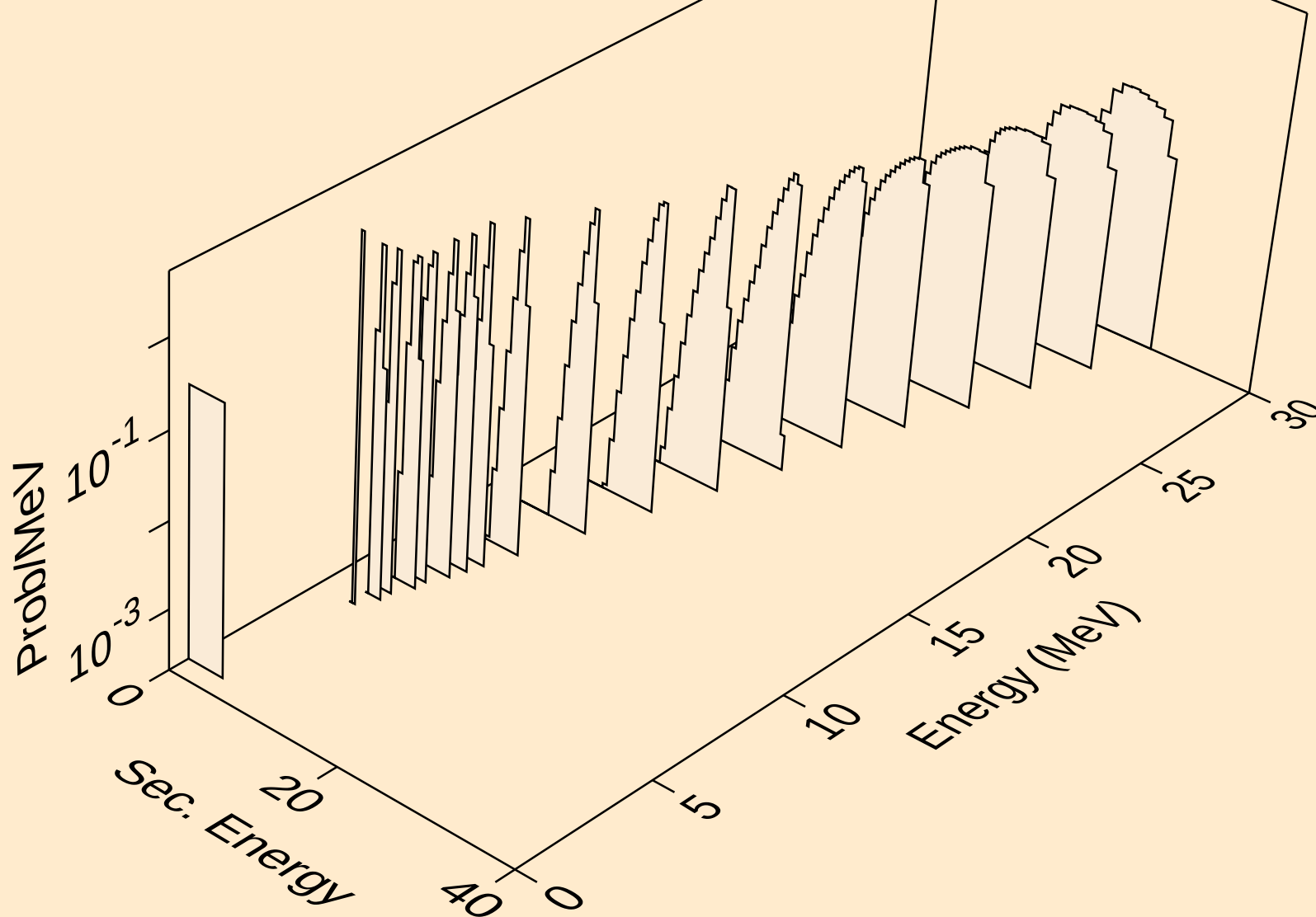
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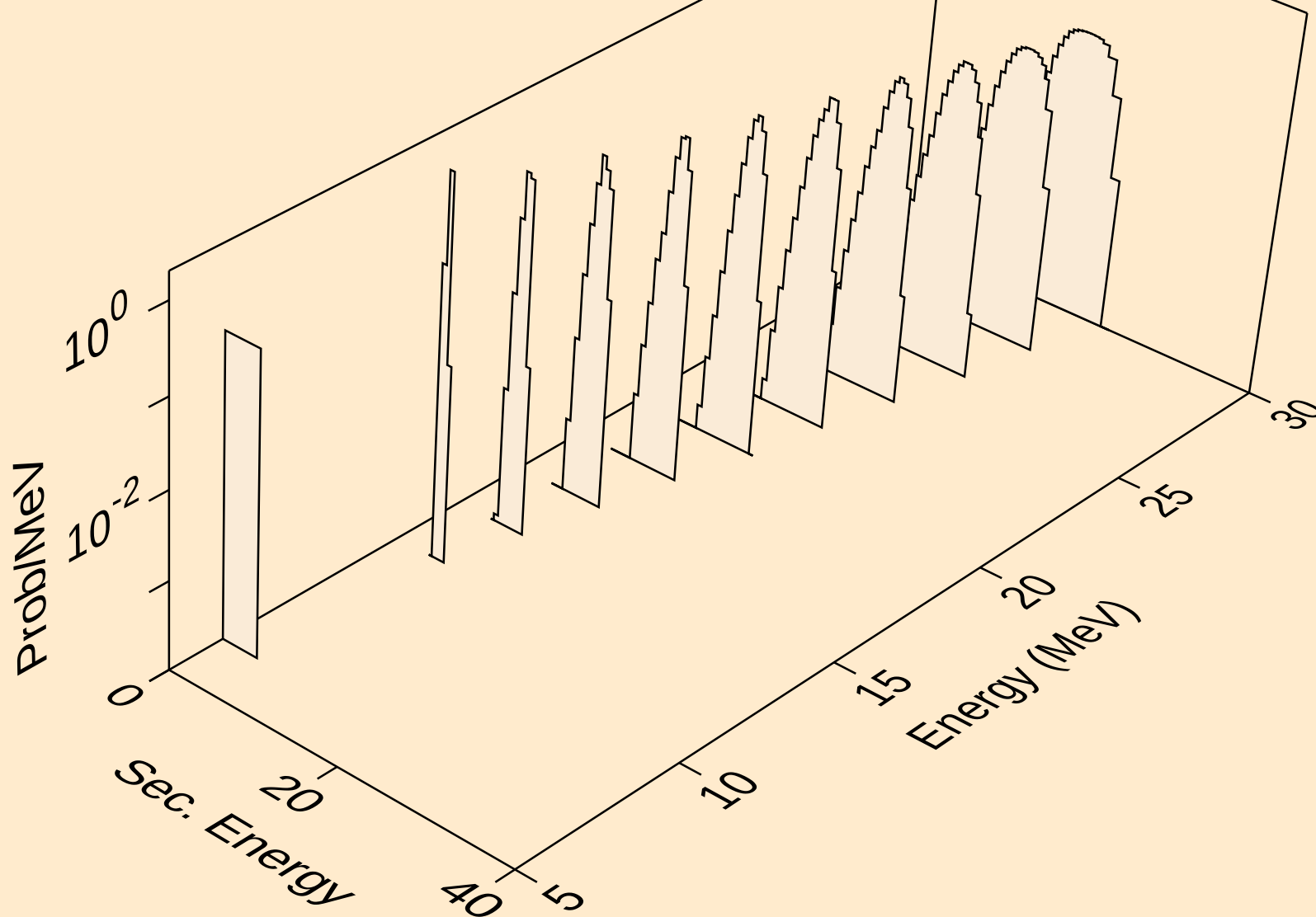
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alphas from (n,x)



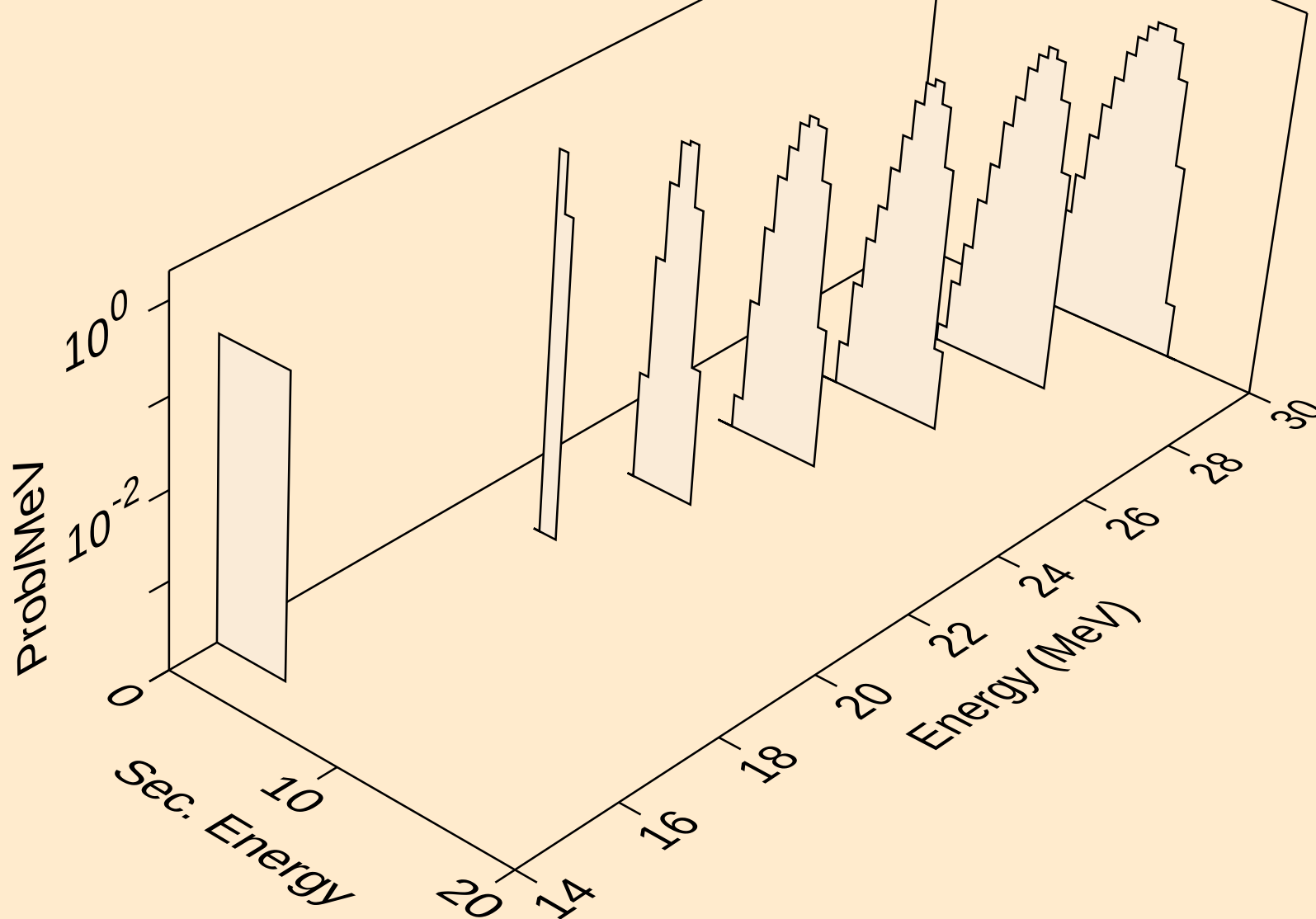
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alphas from (n,n\*)a



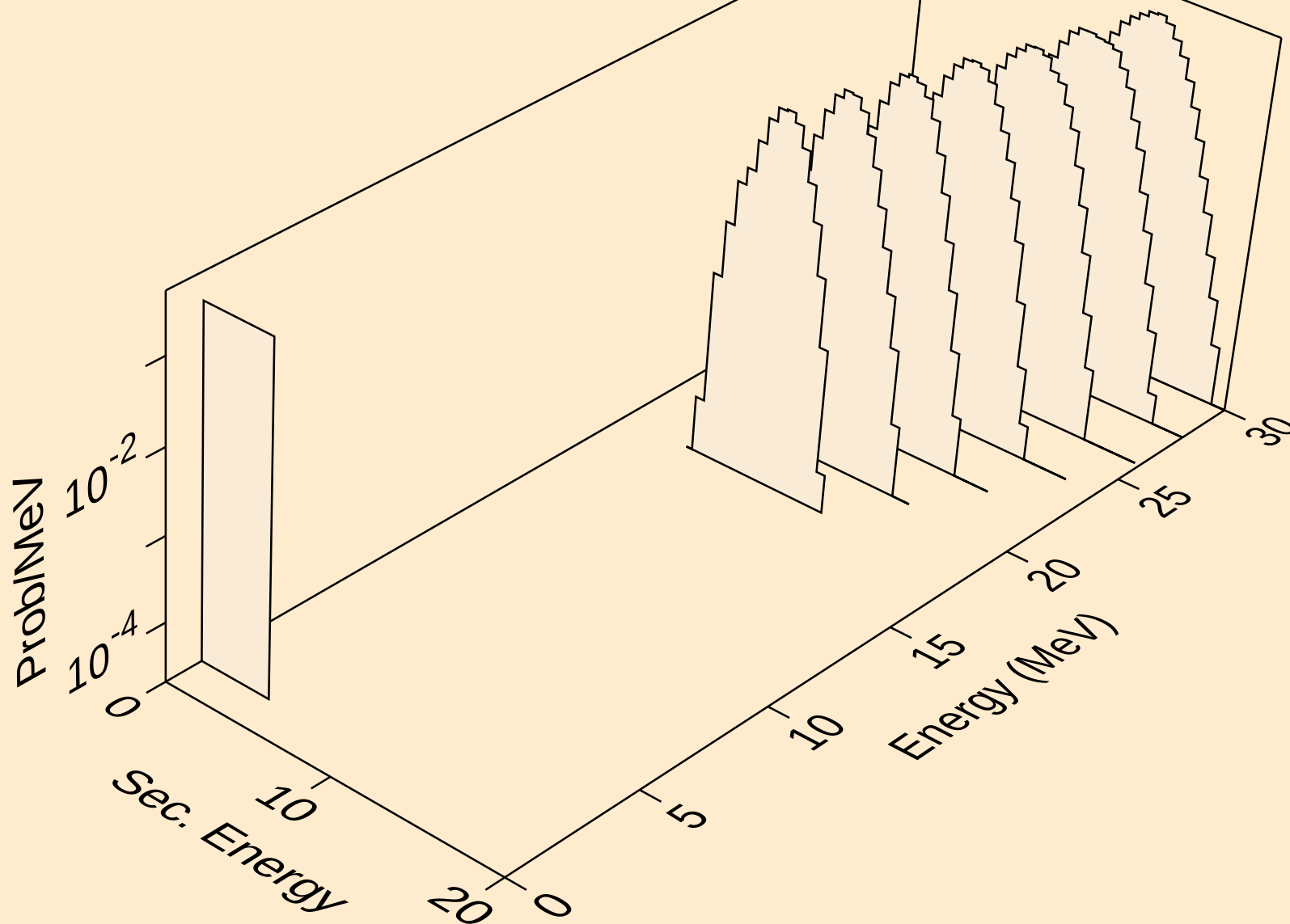
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alphas from (n,2n)a



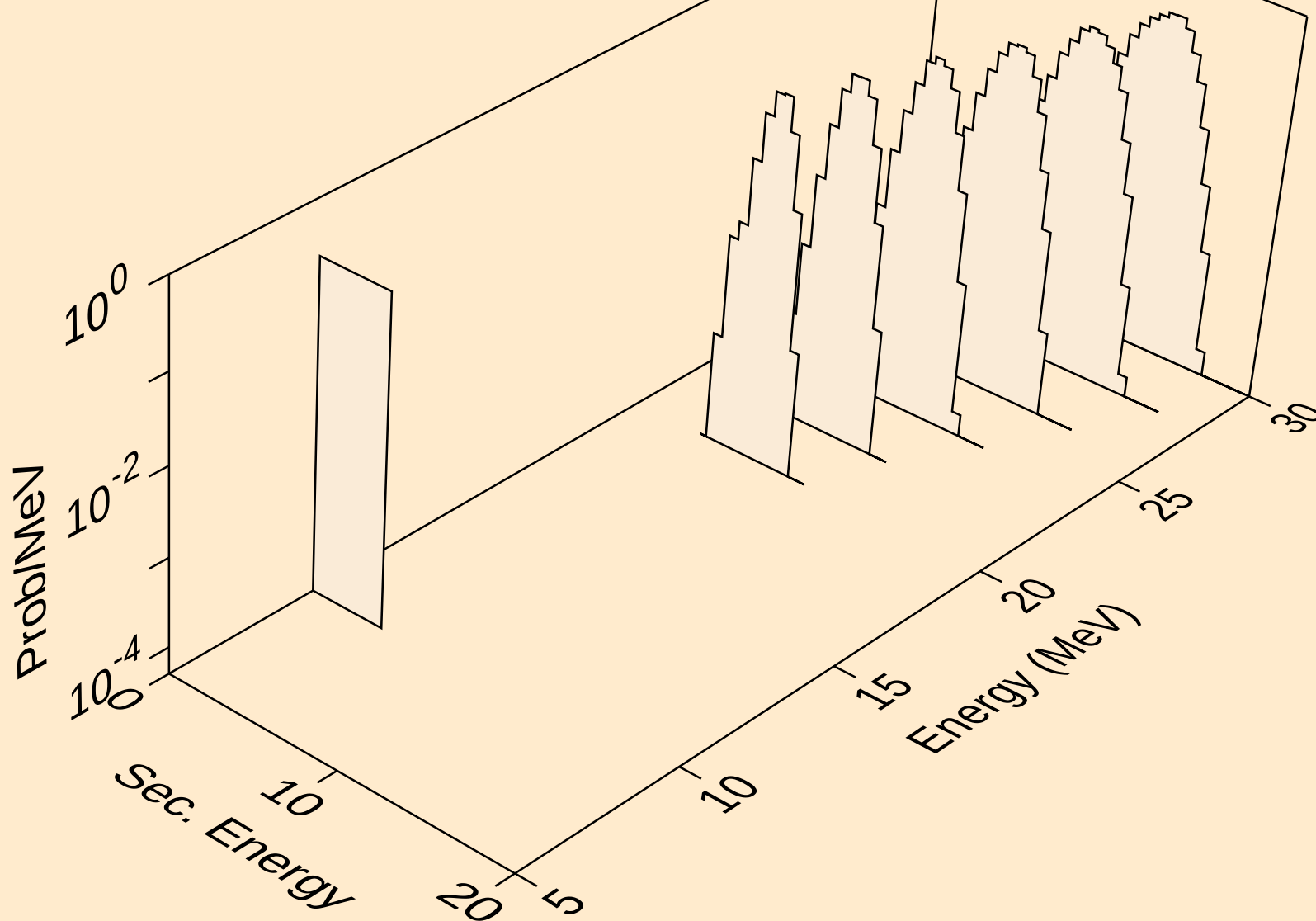
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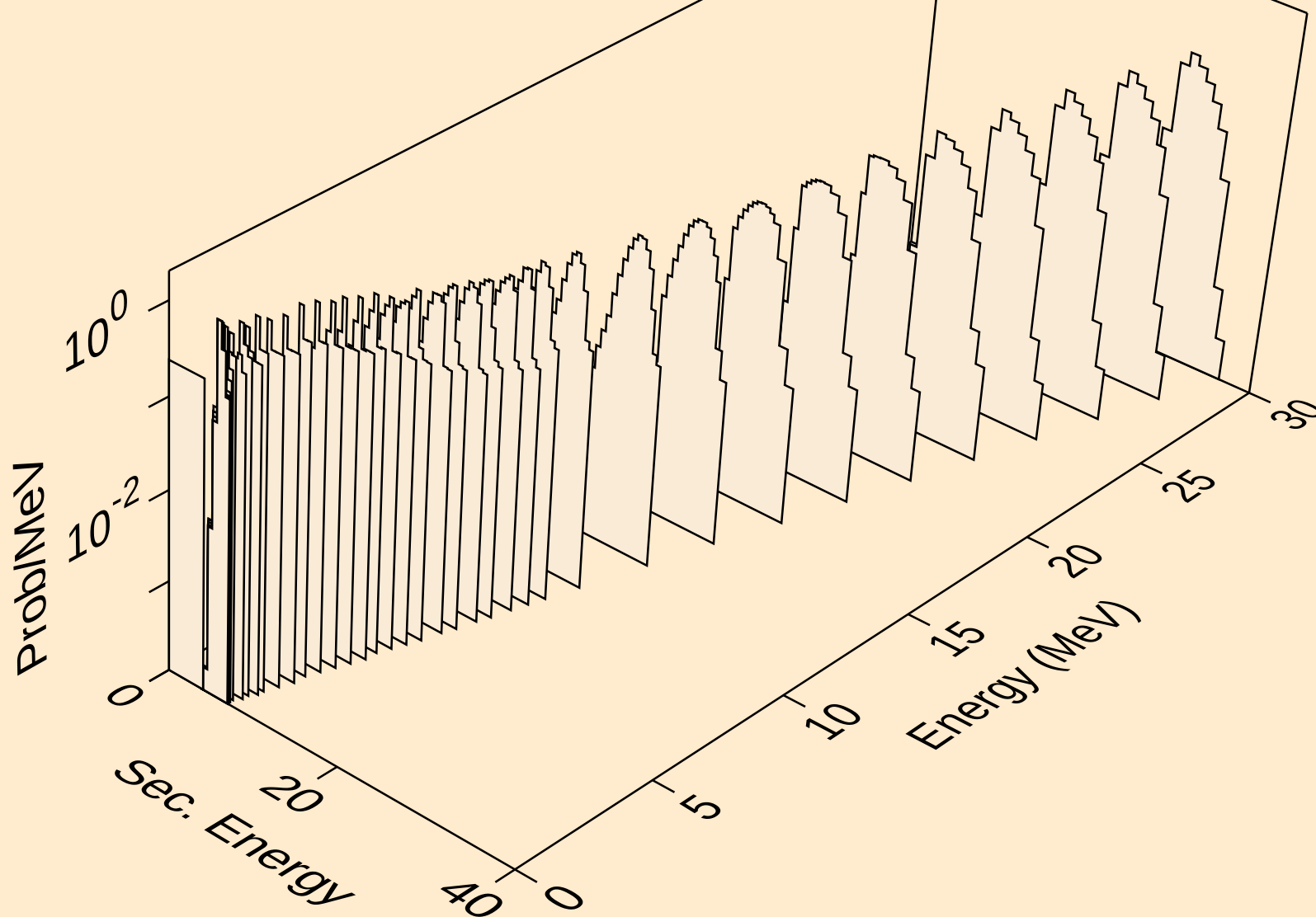
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alphas from (n,n\*)2a



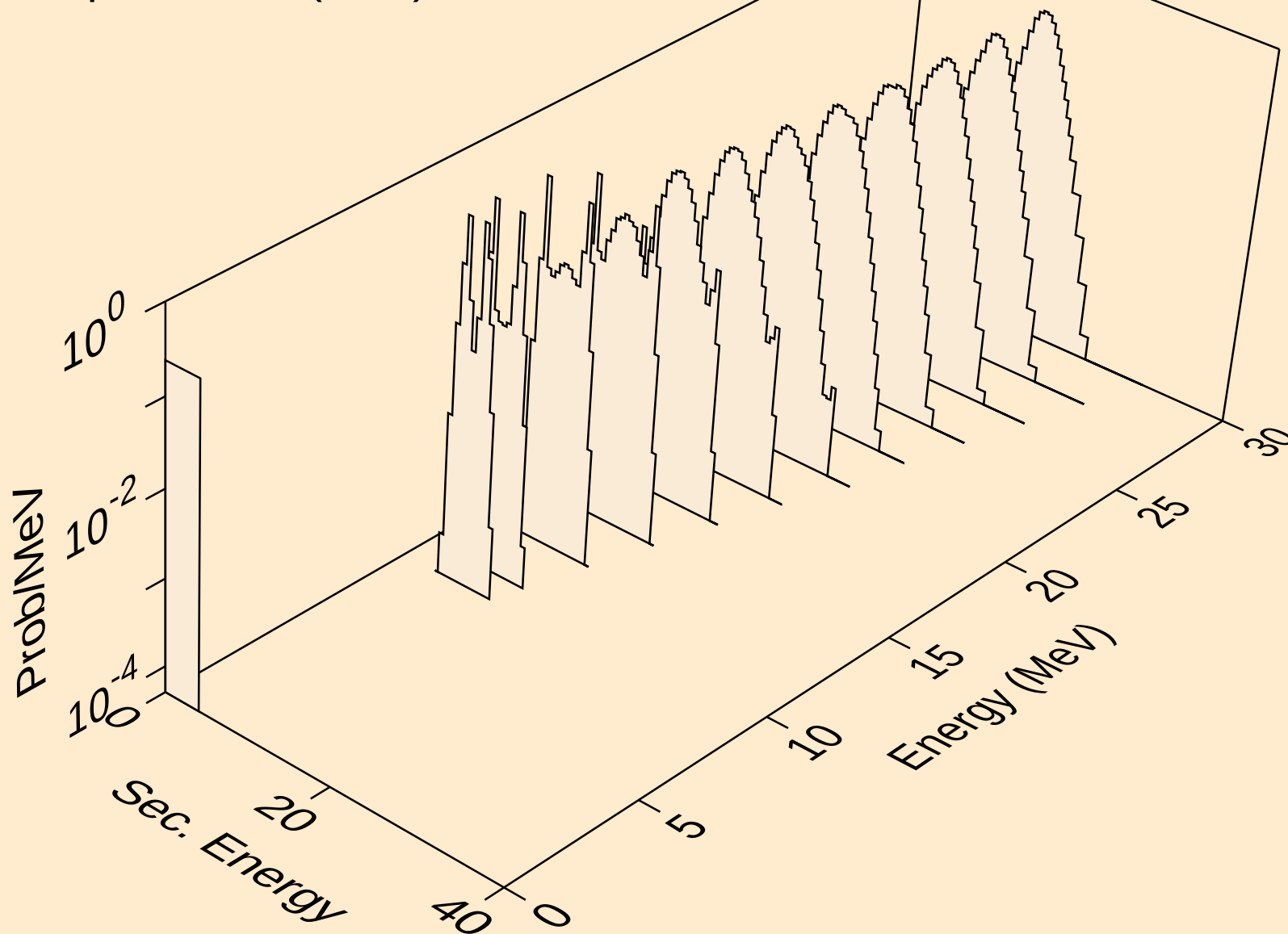
GD157 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,npa)



GD157 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,a)



GD157 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2a)



GD157 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,pa)

