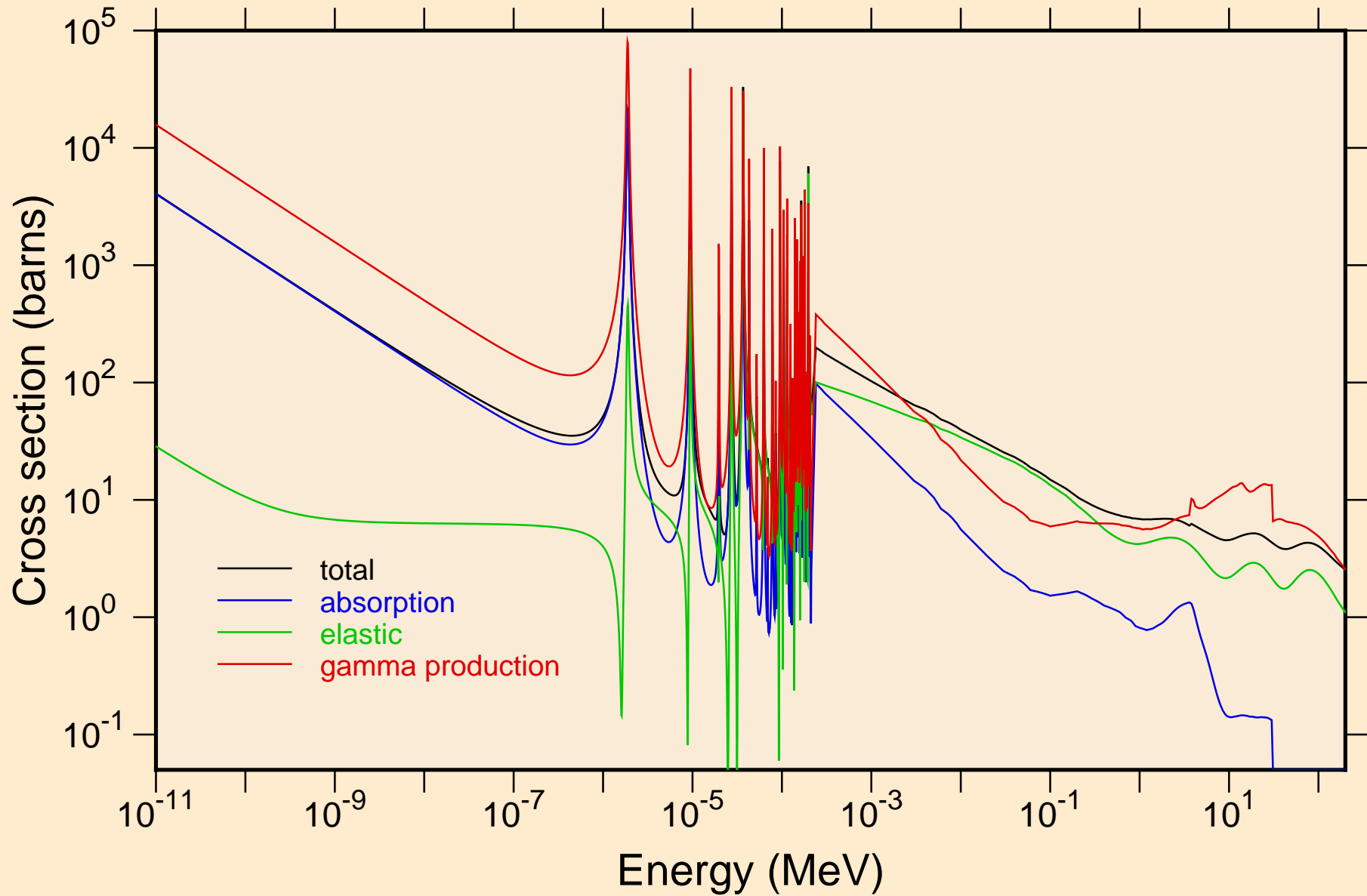
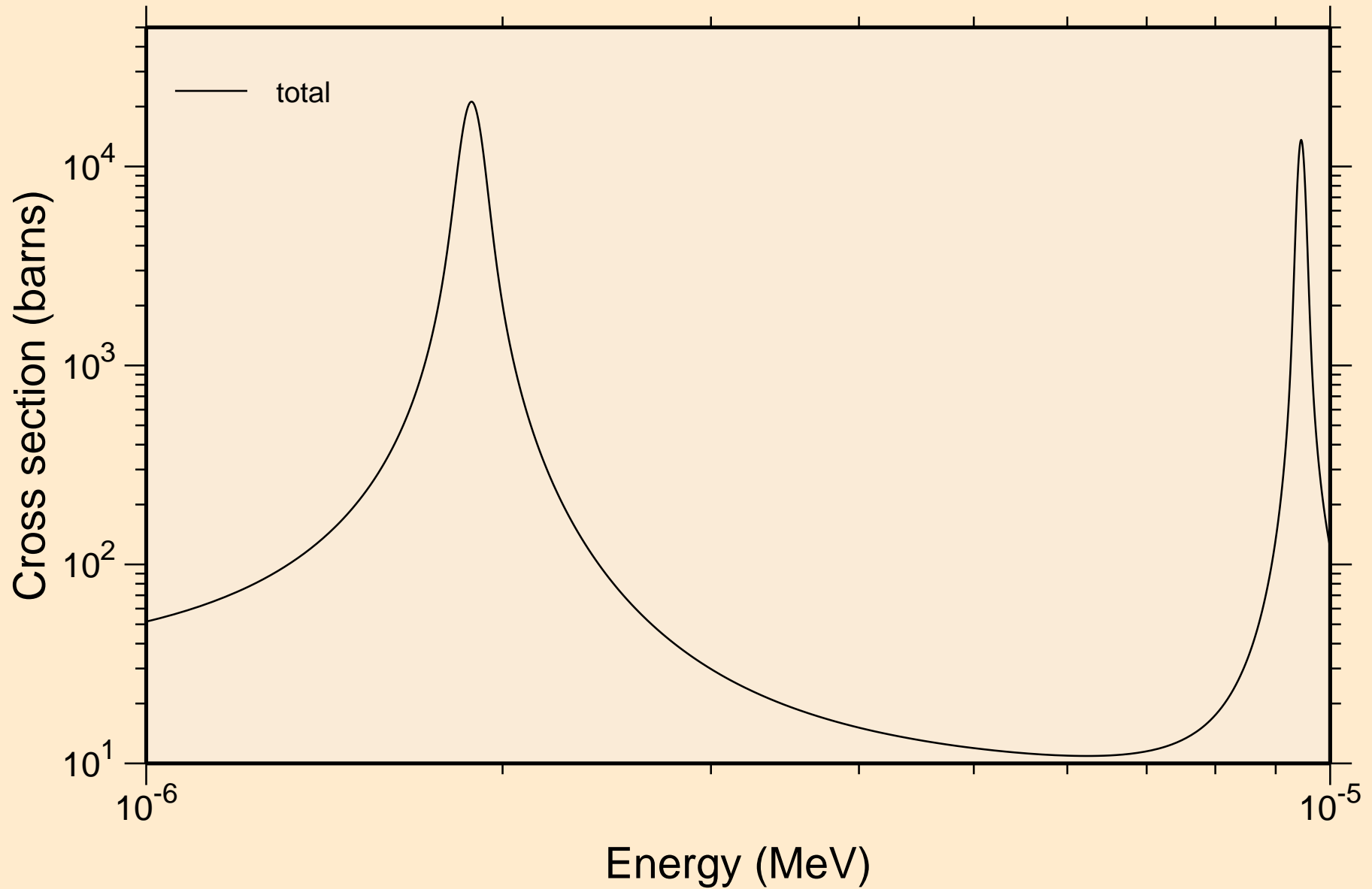


# HF164 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

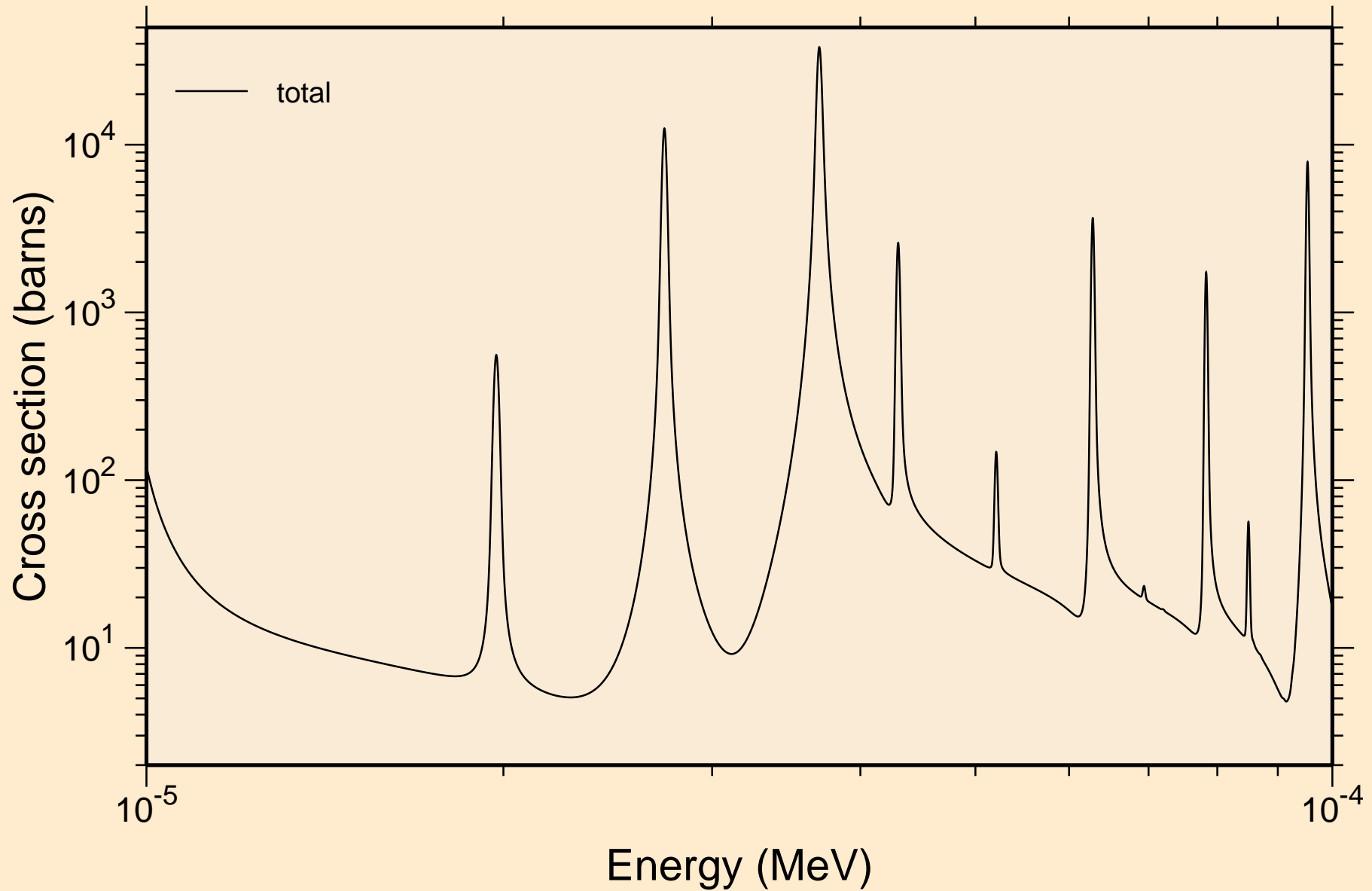
## Principal cross sections



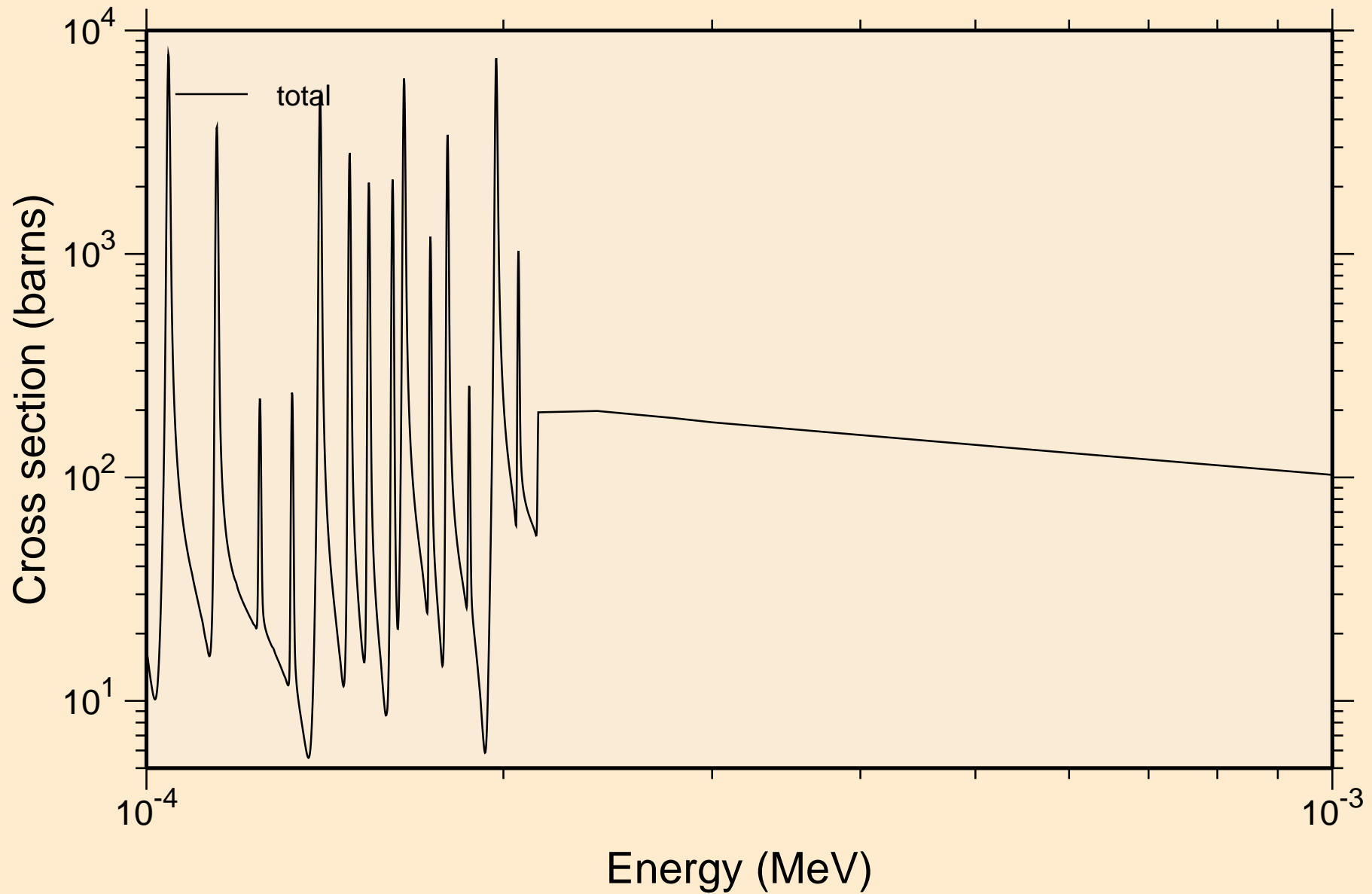
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resonance total cross section



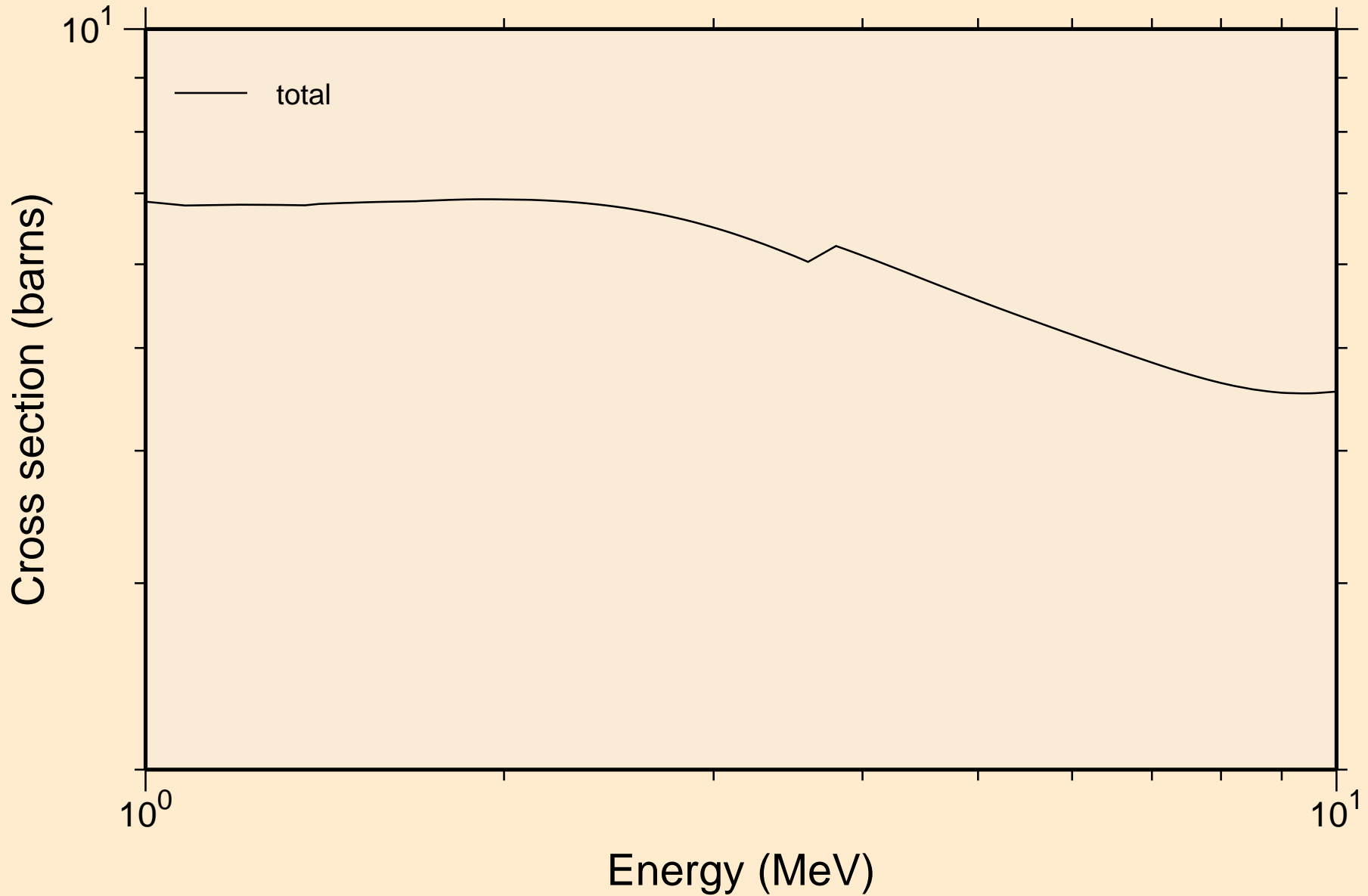
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resonance total cross section



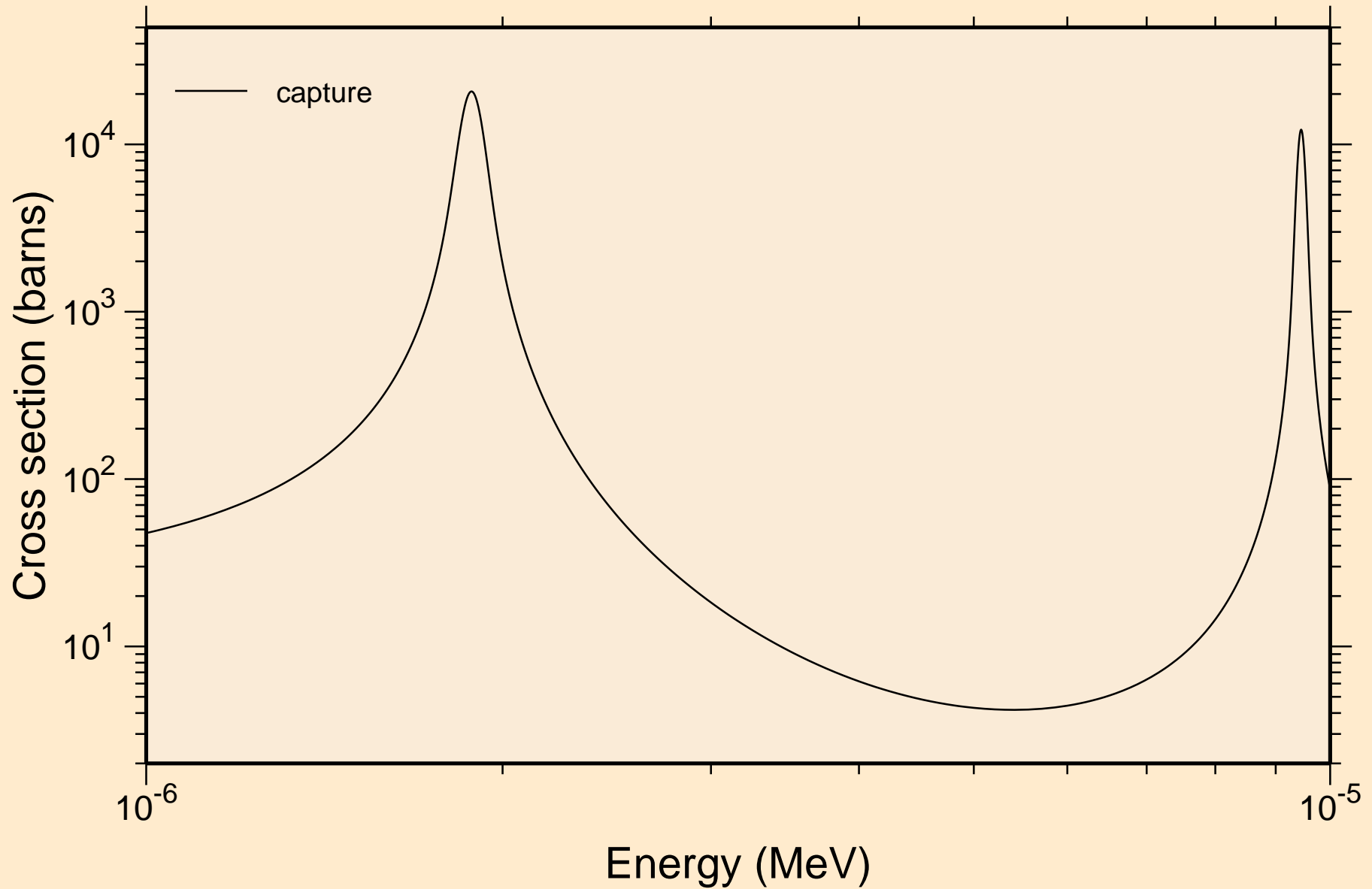
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resonance total cross section



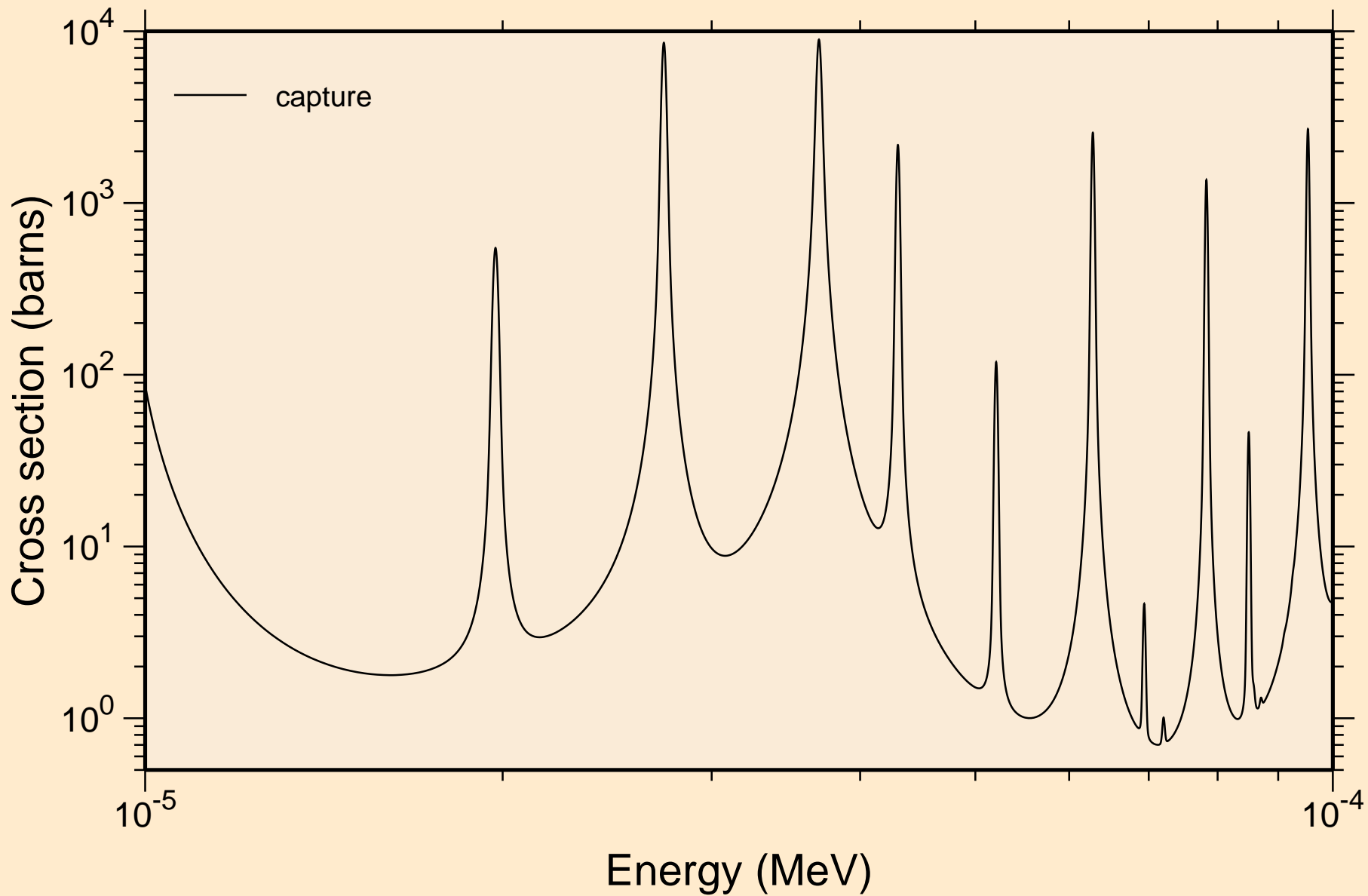
HF164 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance total cross section



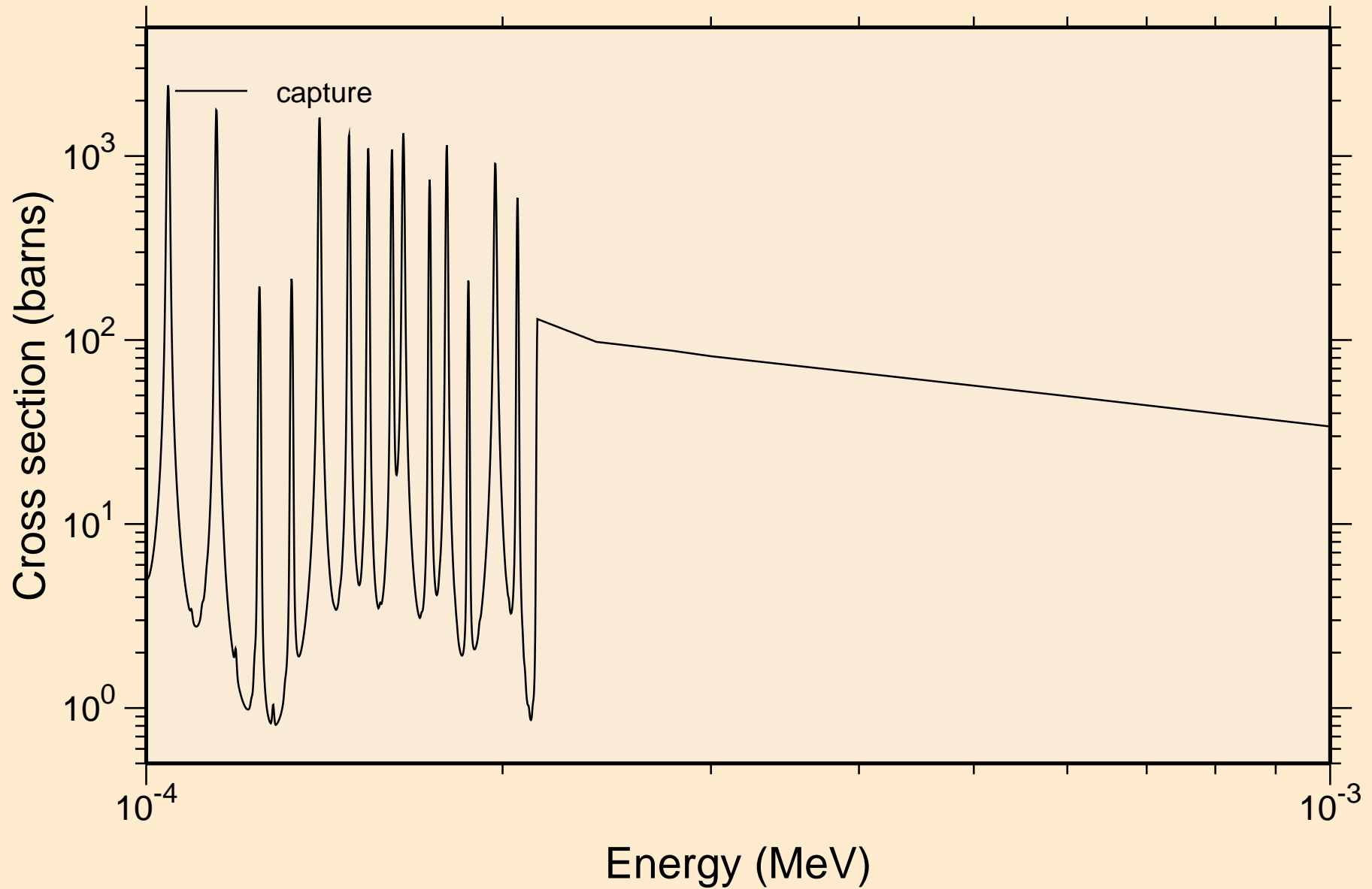
HF164 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance absorption cross sections



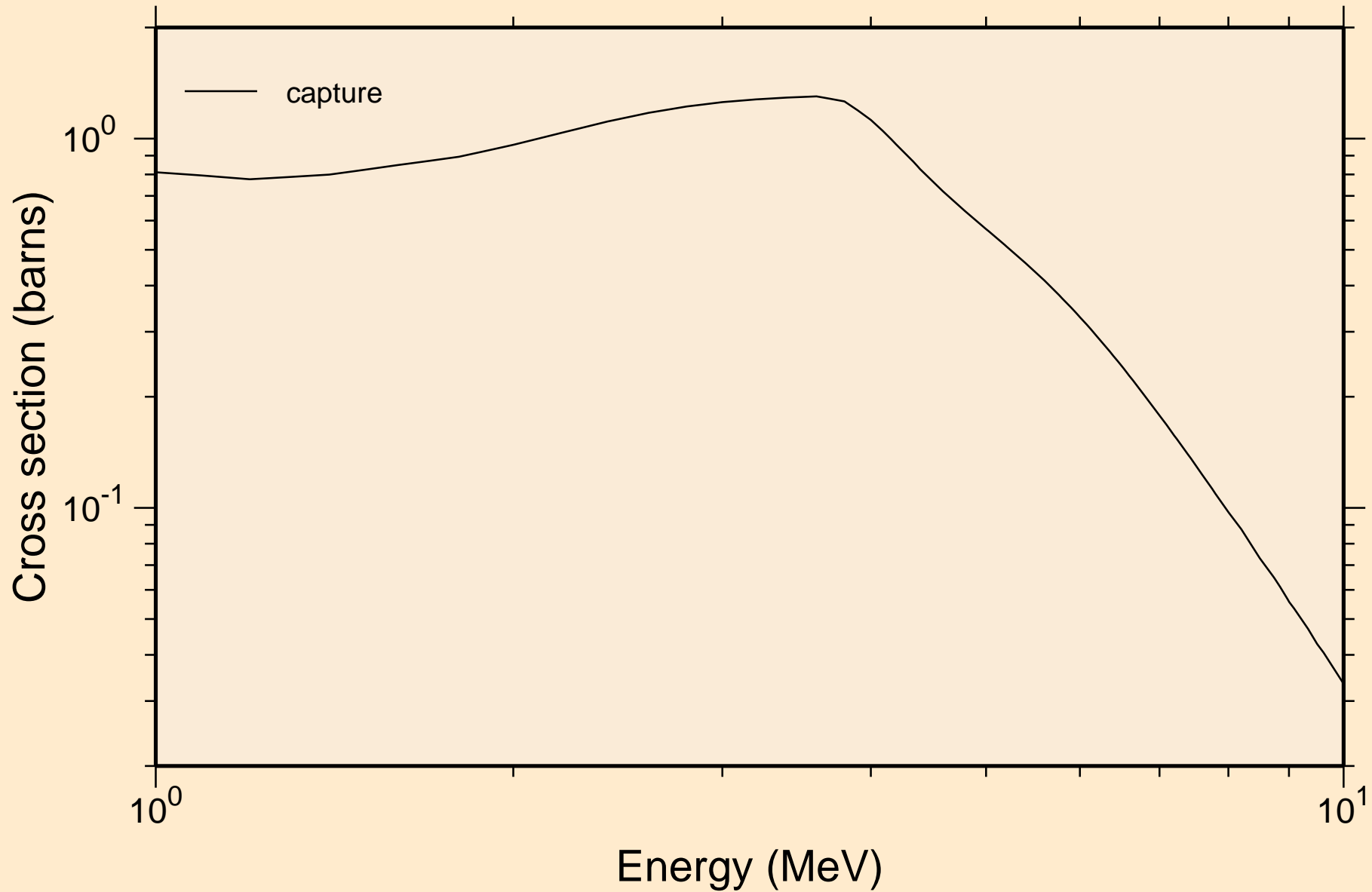
HF164 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance absorption cross sections



HF164 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance absorption cross sections

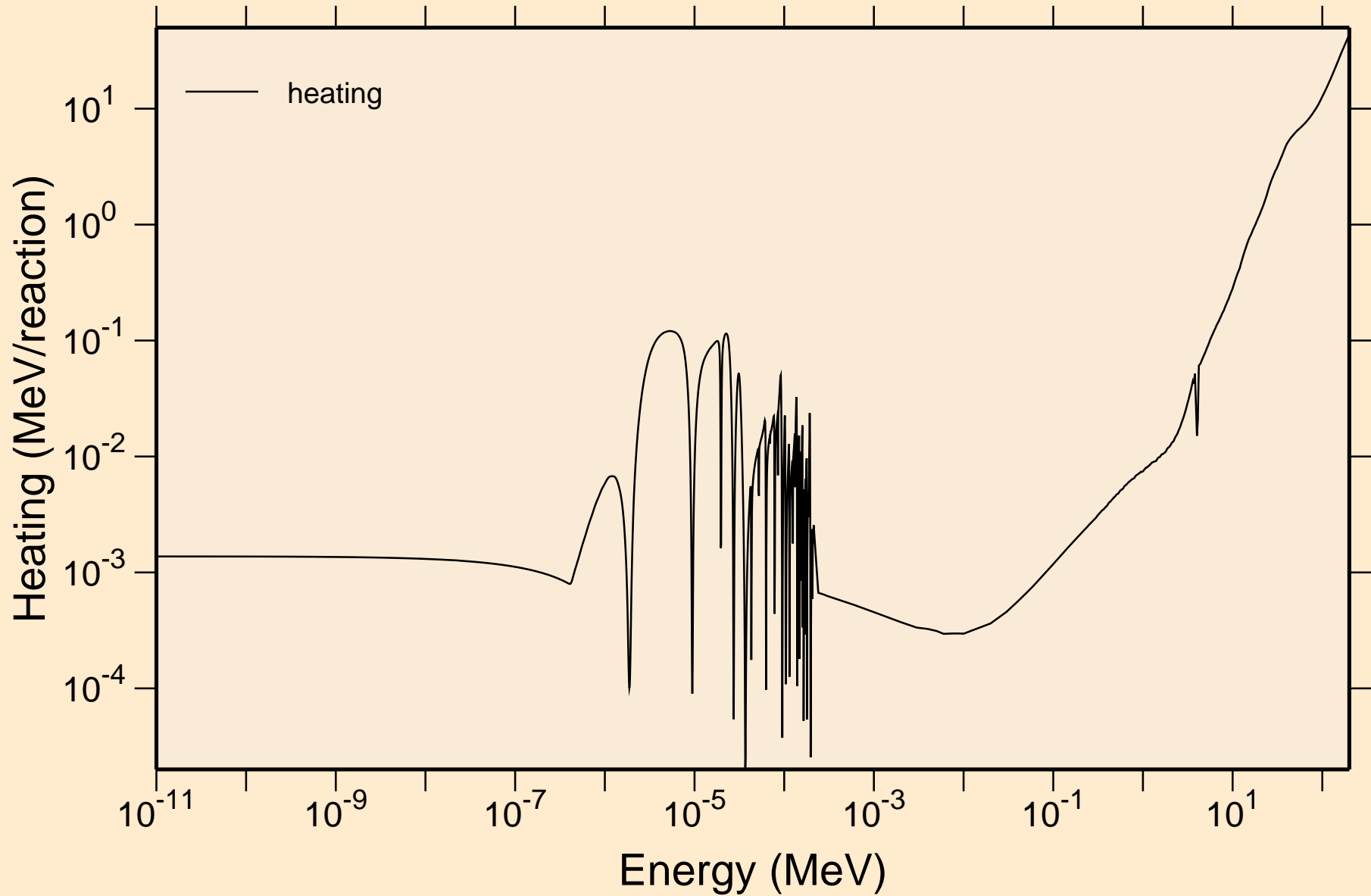


HF164 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance absorption cross sections



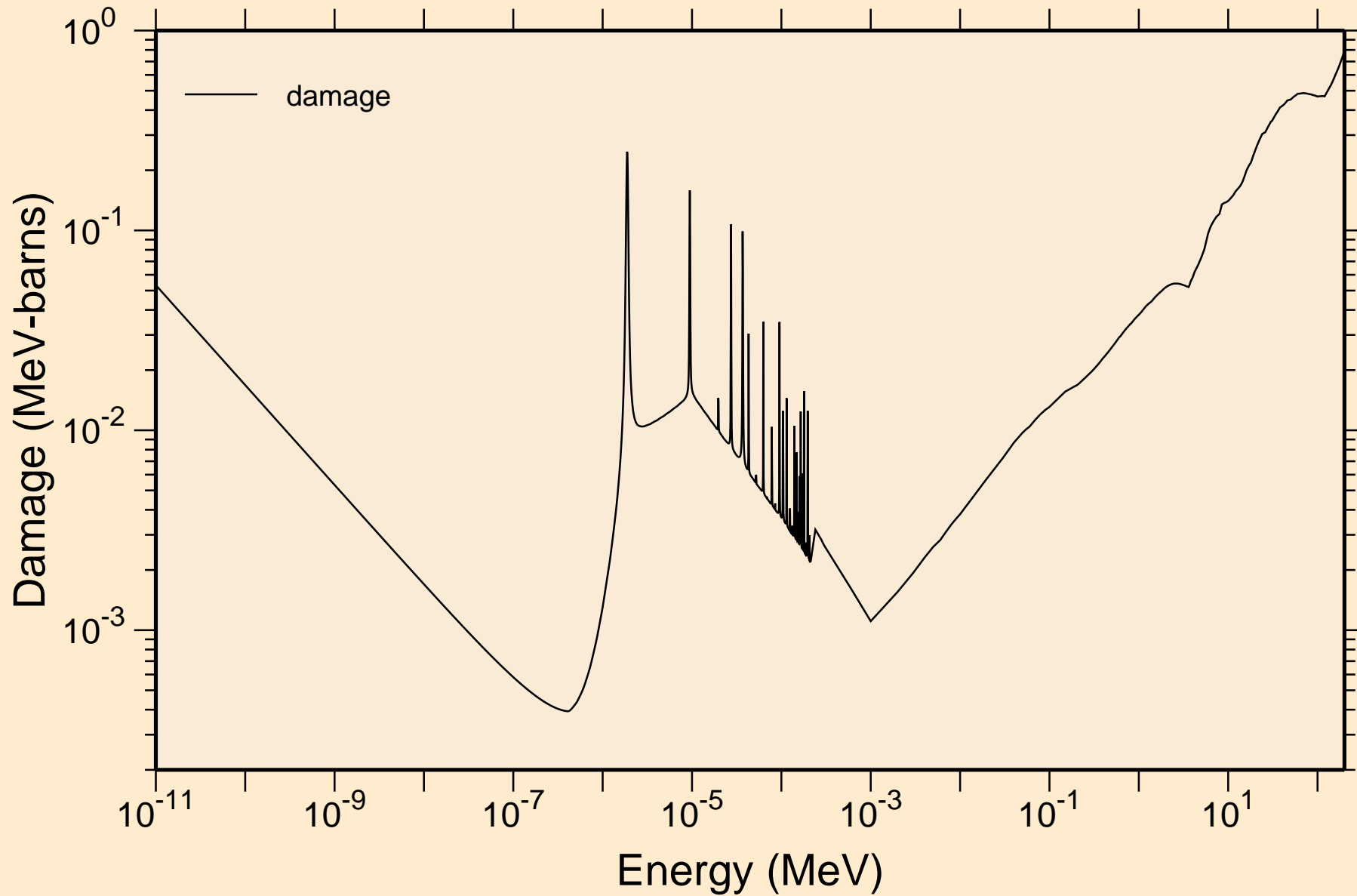
# HF164 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

## Heating



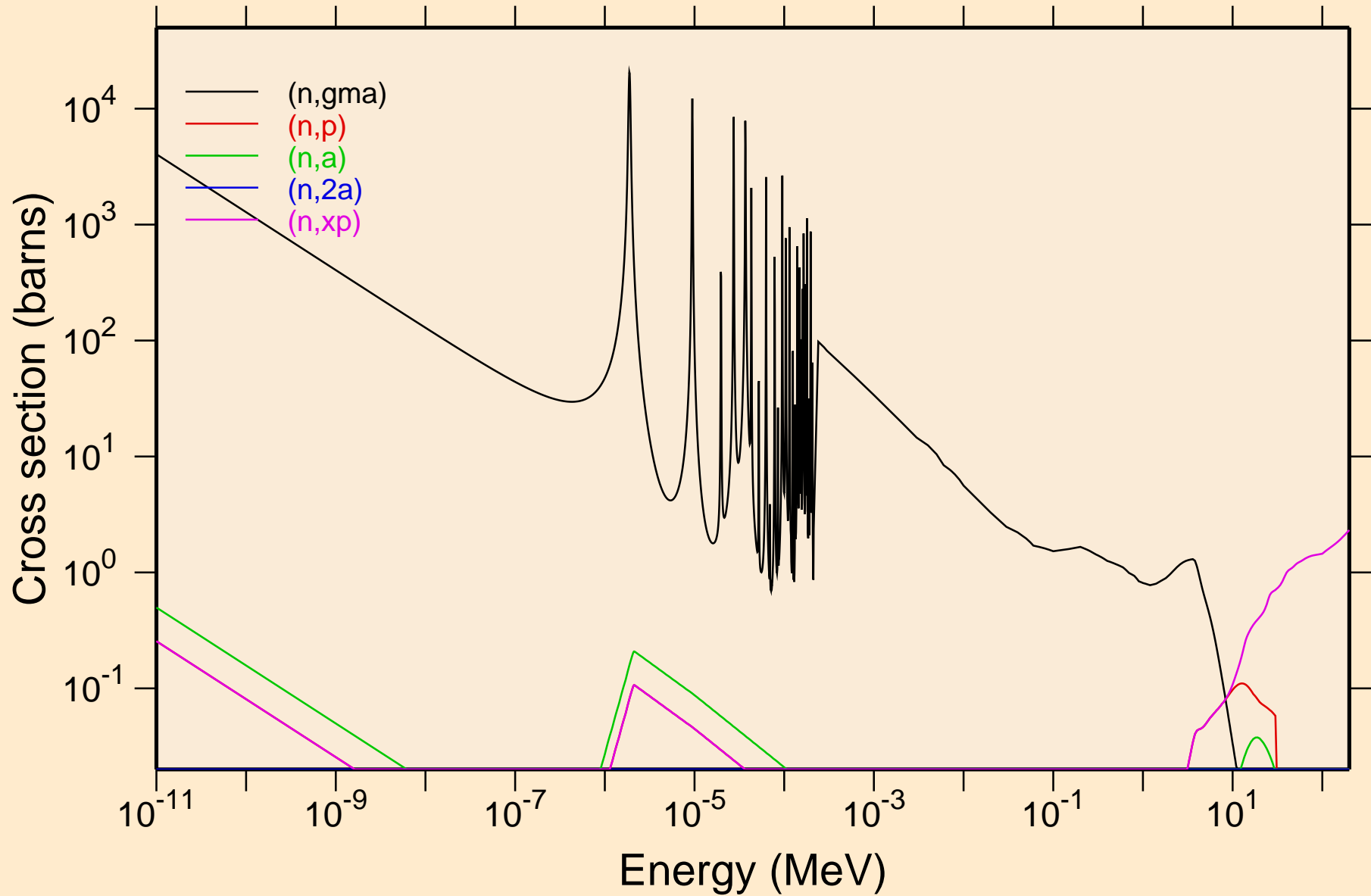
# HF164 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

## Damage

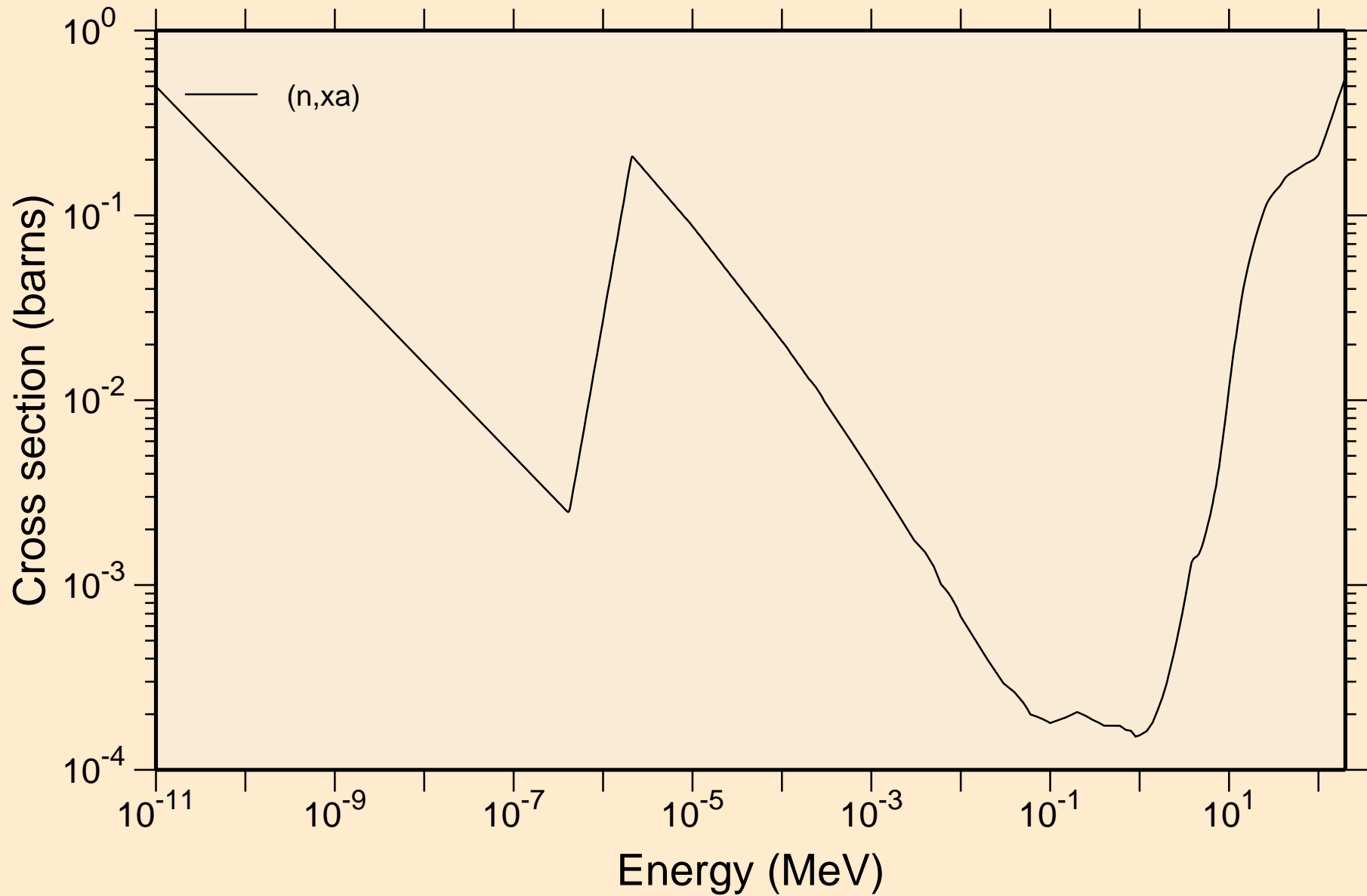


# HF164 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

## Non-threshold reactions

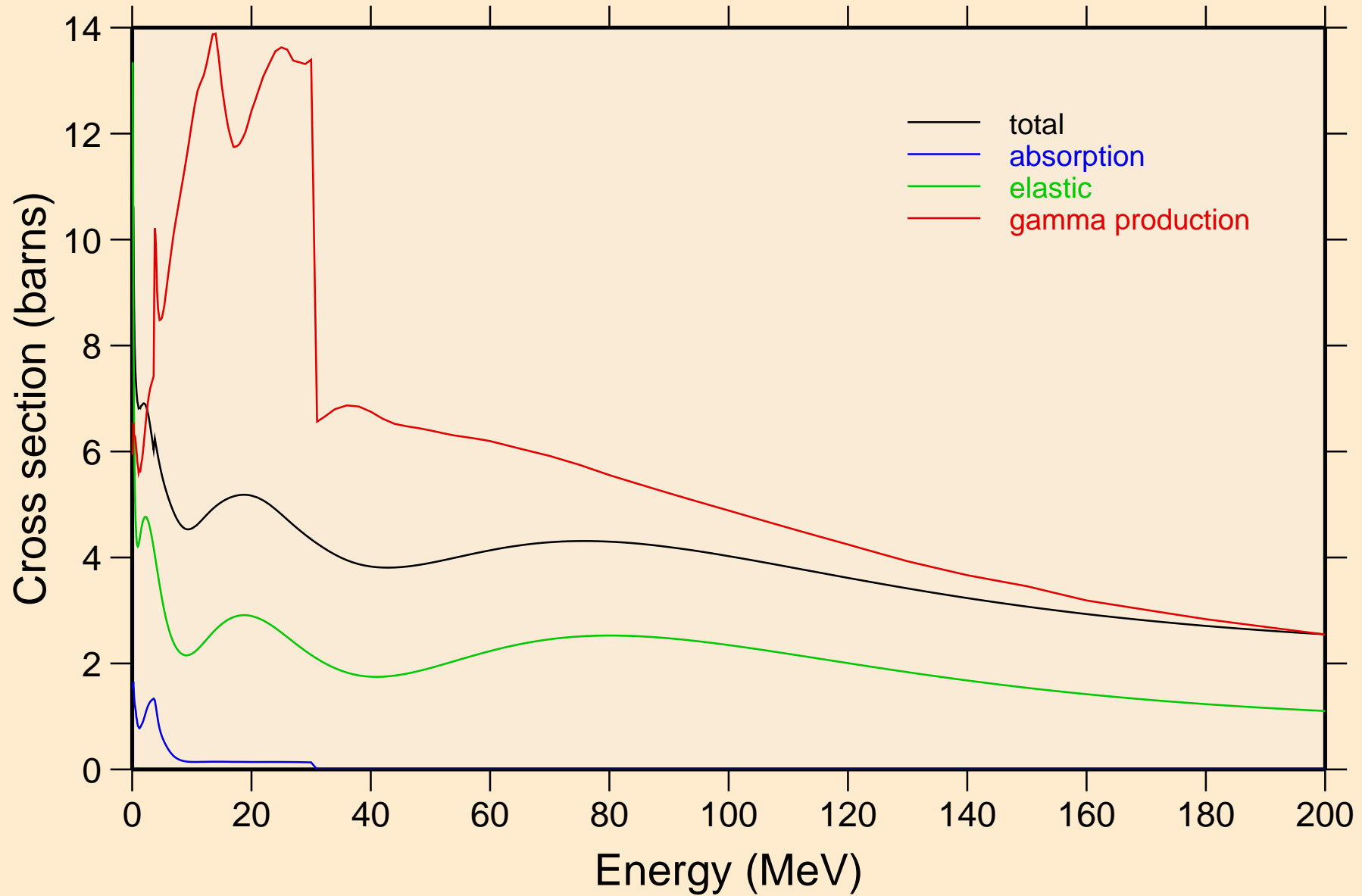


HF164 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Non-threshold reactions

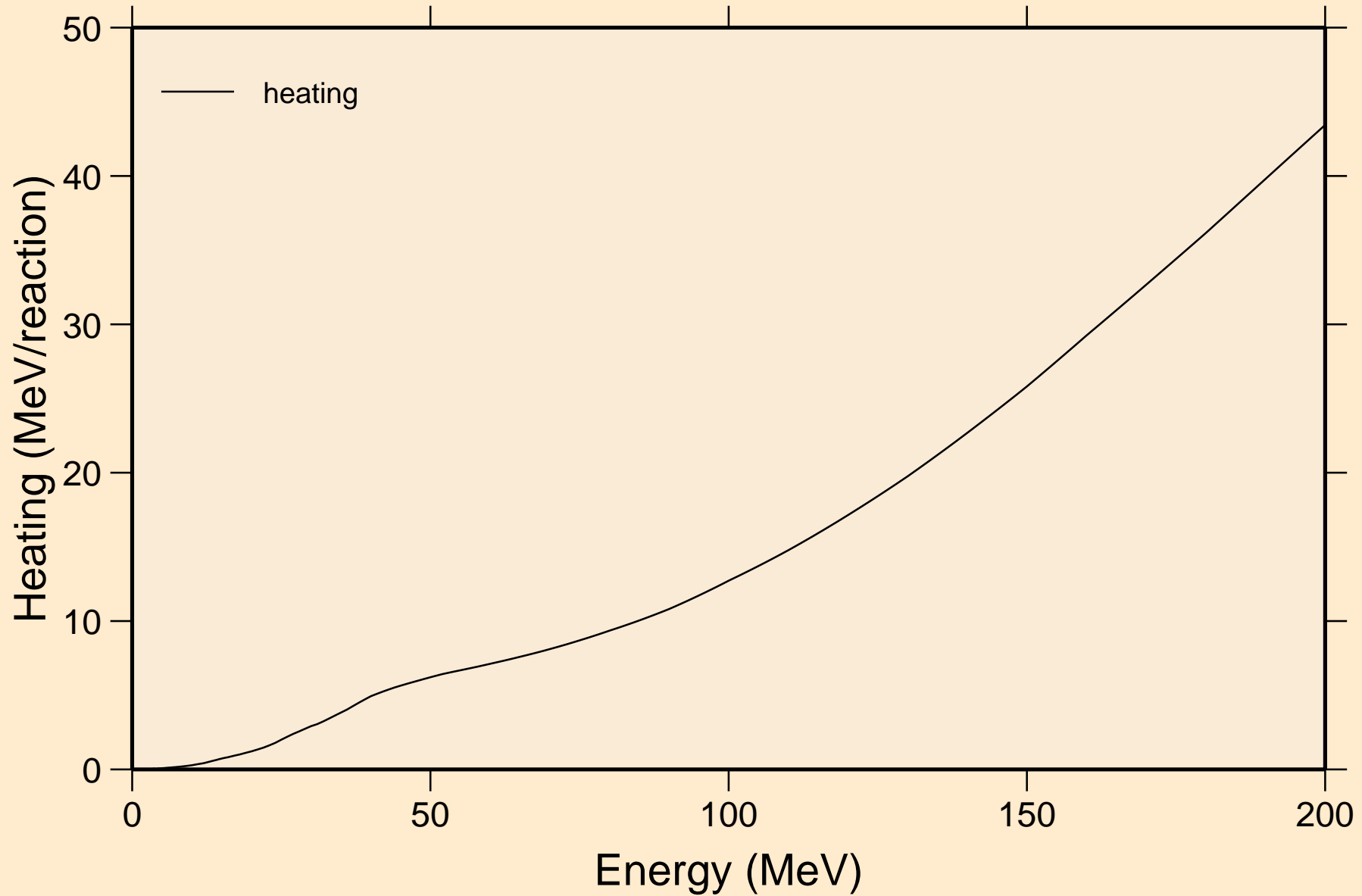


# HF164 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

## Principal cross sections

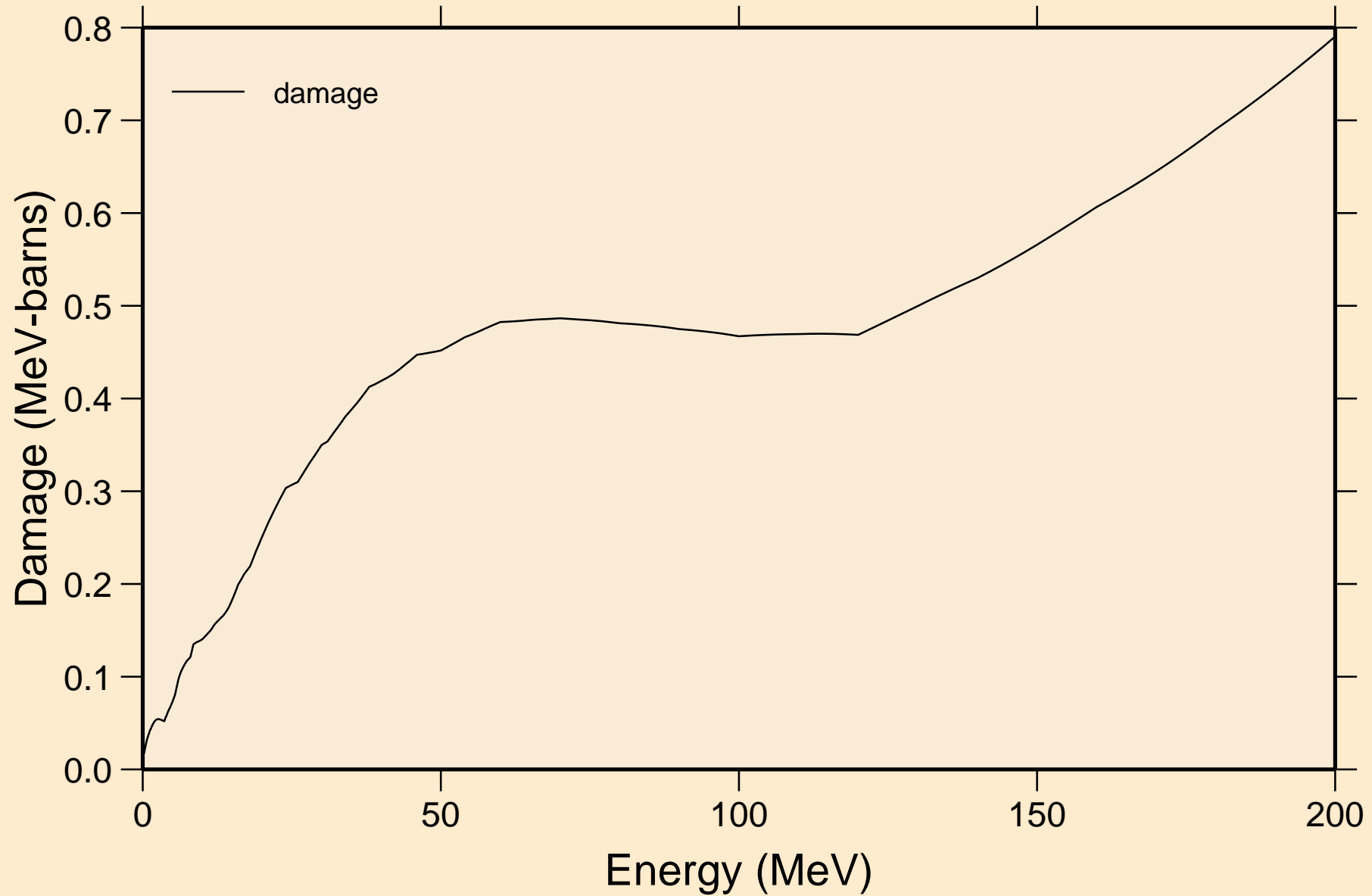


HF164 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Heating



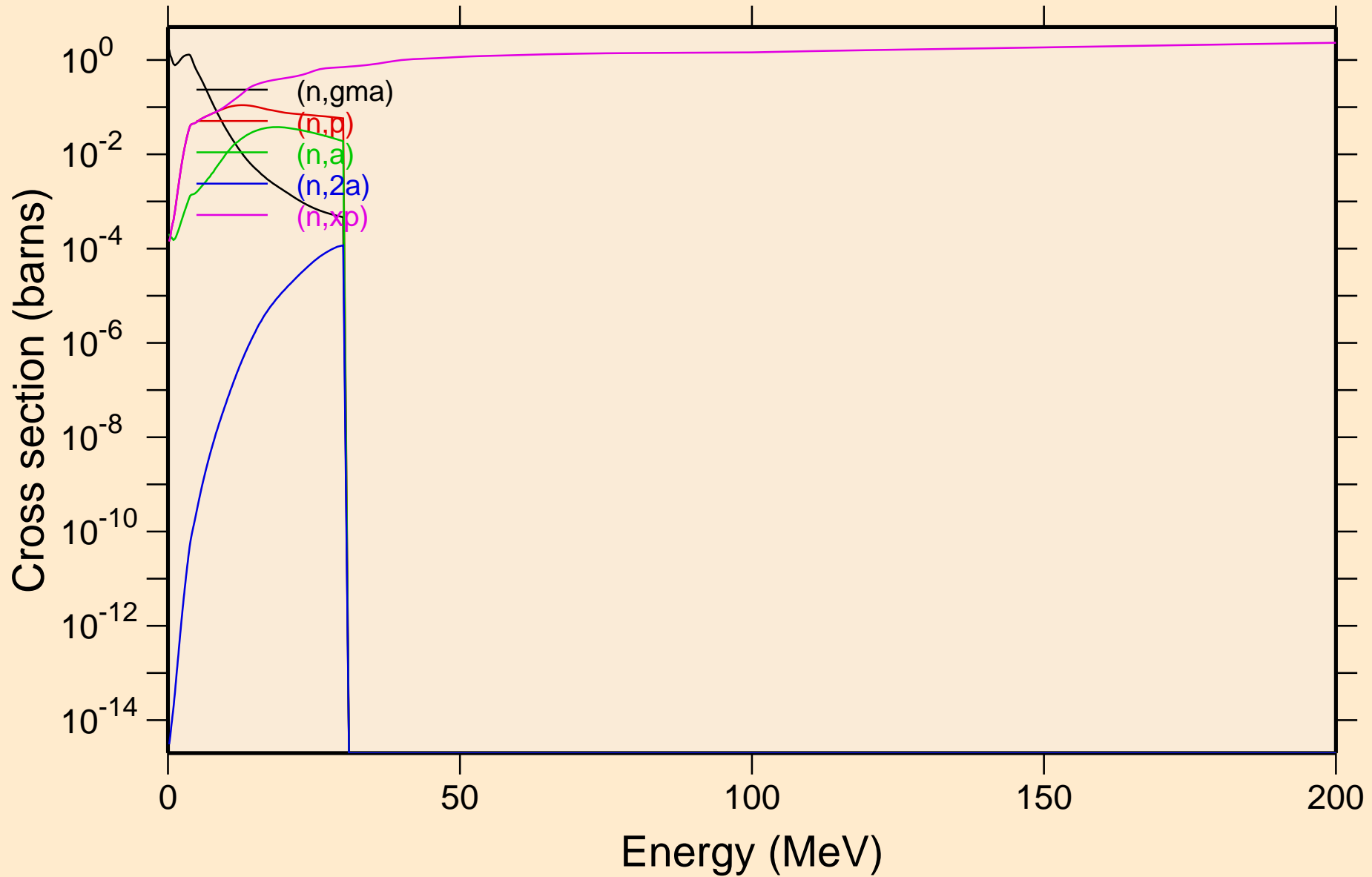
# HF164 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

## Damage

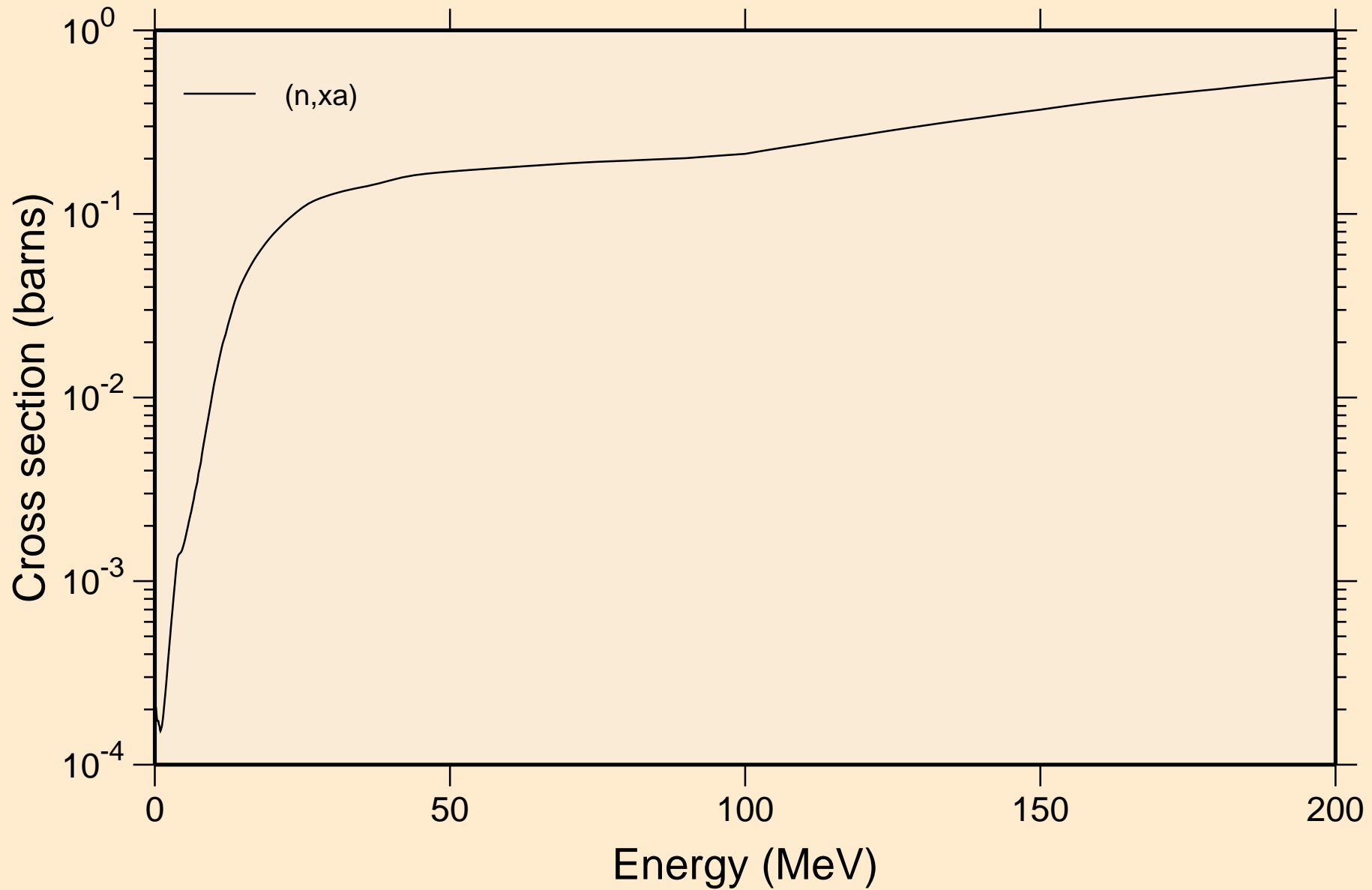


# HF164 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

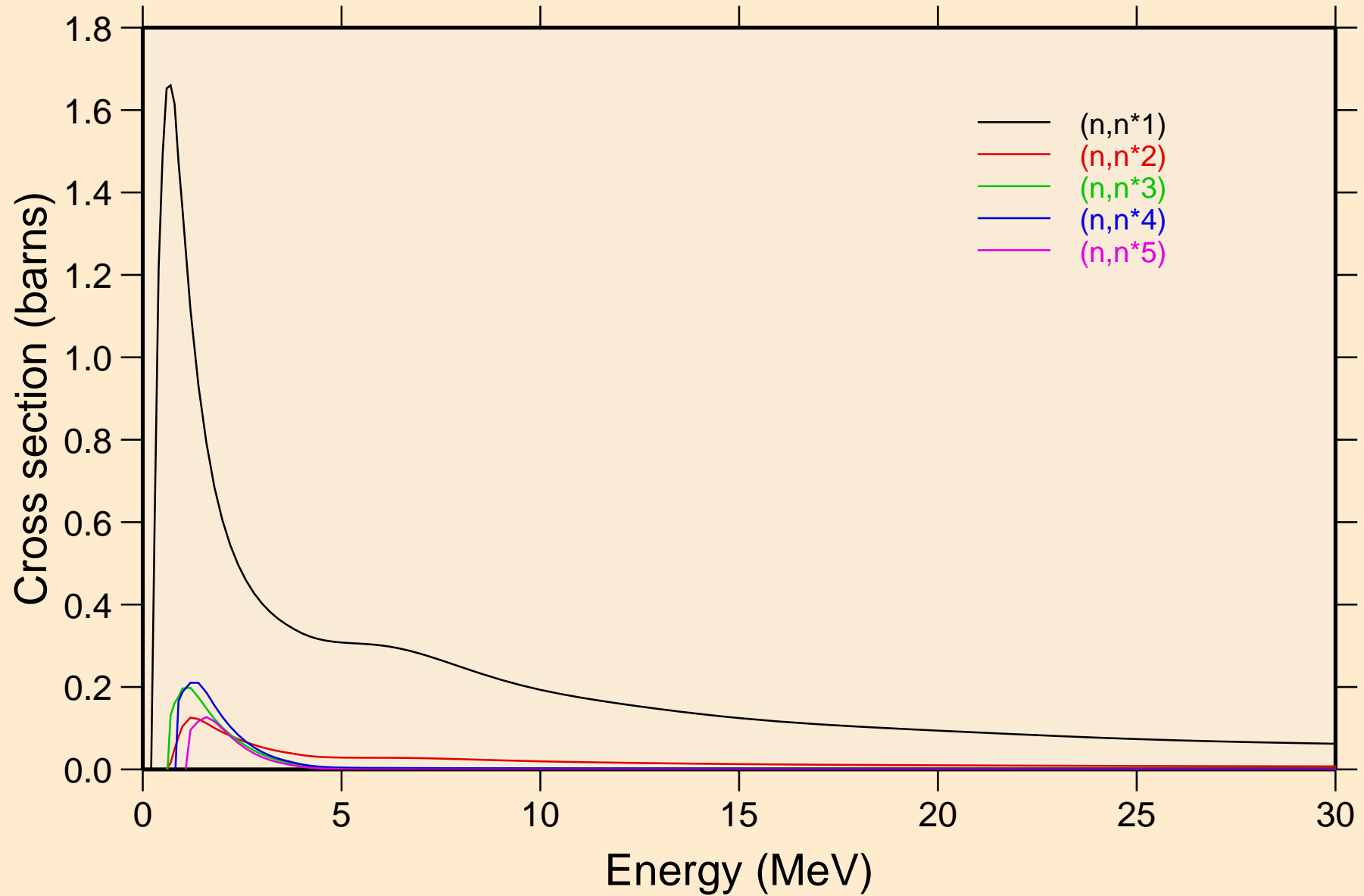
## Non-threshold reactions



HF164 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Non-threshold reactions

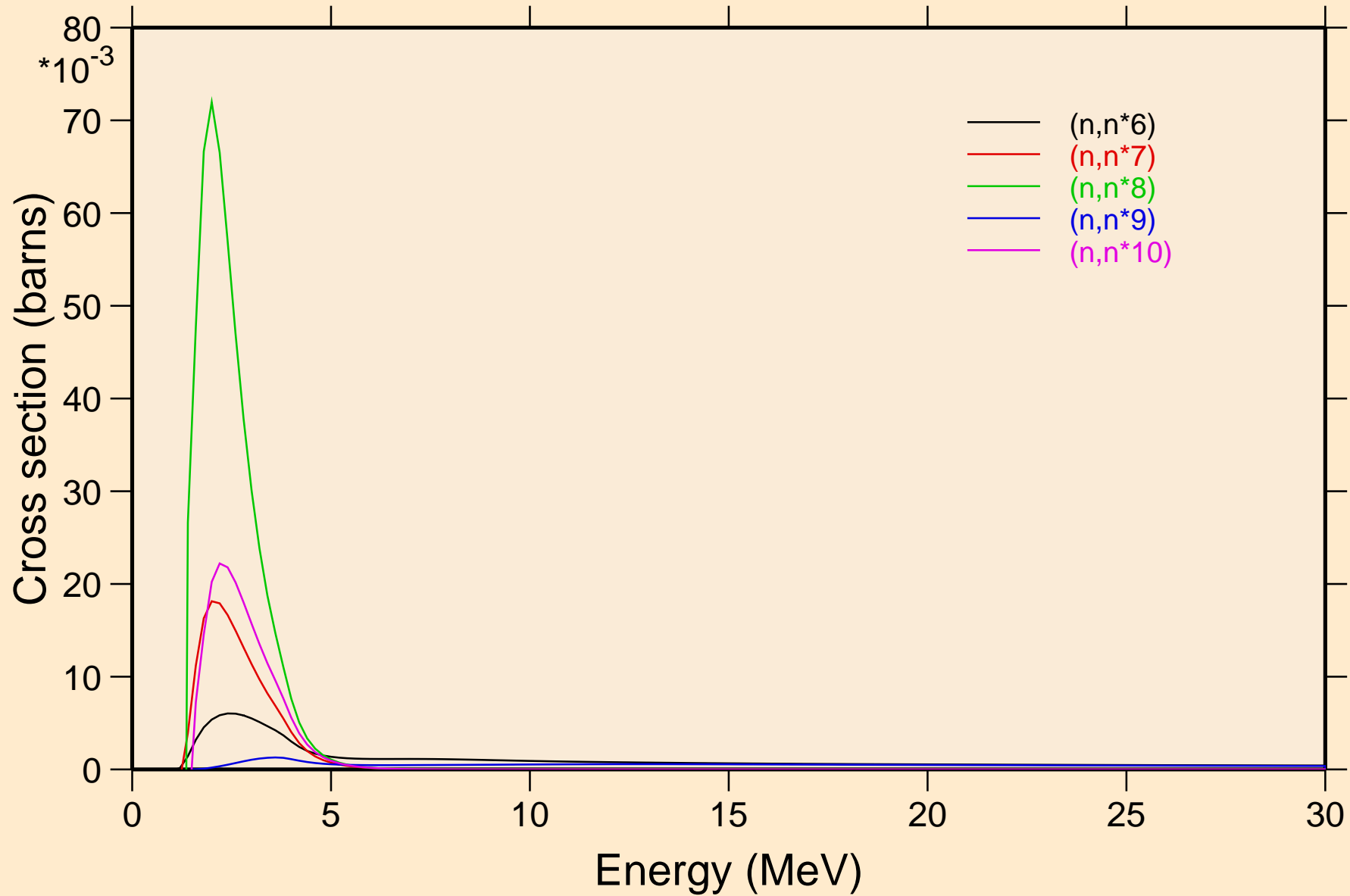


HF164 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Inelastic levels



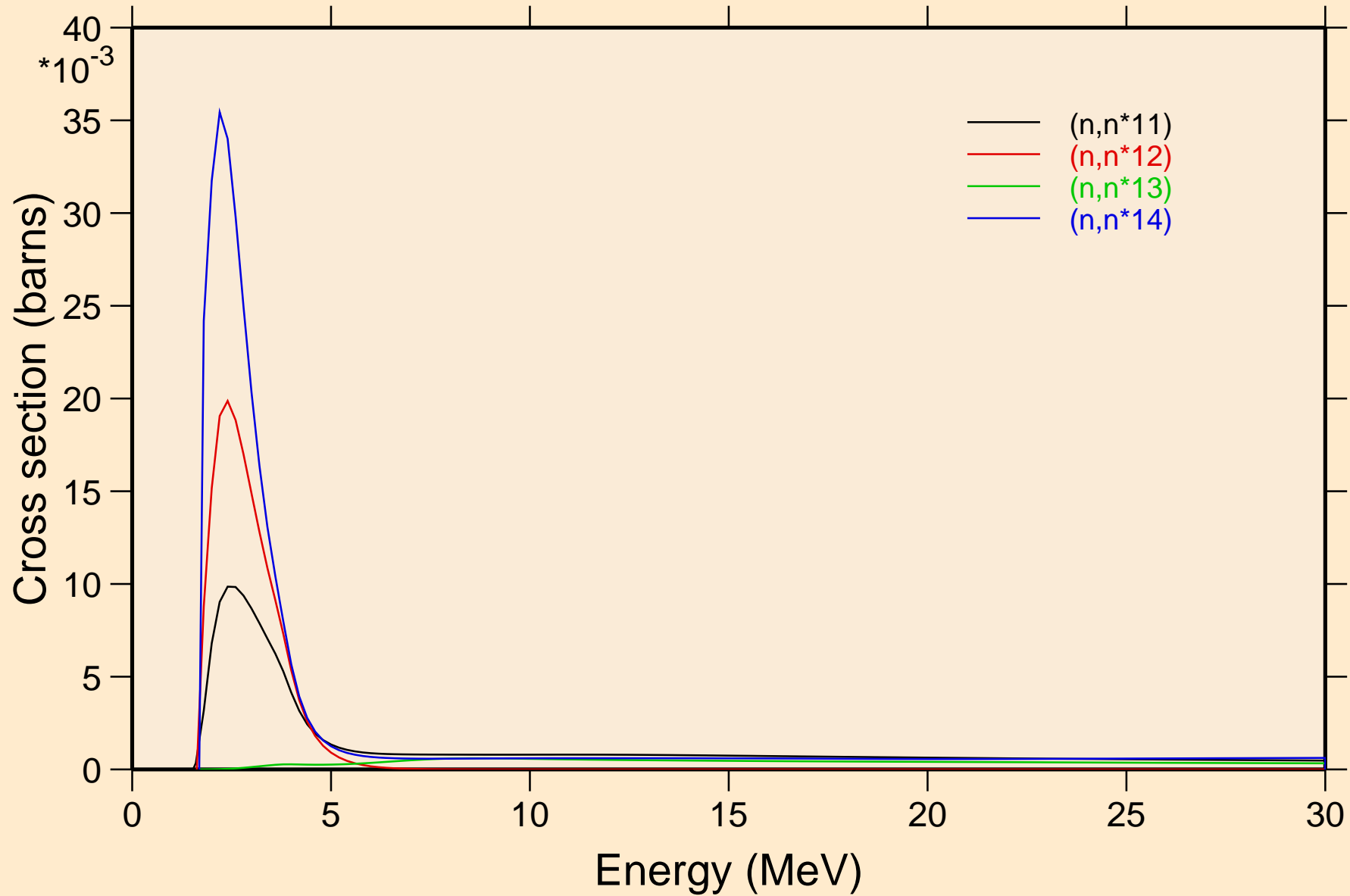
# HF164 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

## Inelastic levels



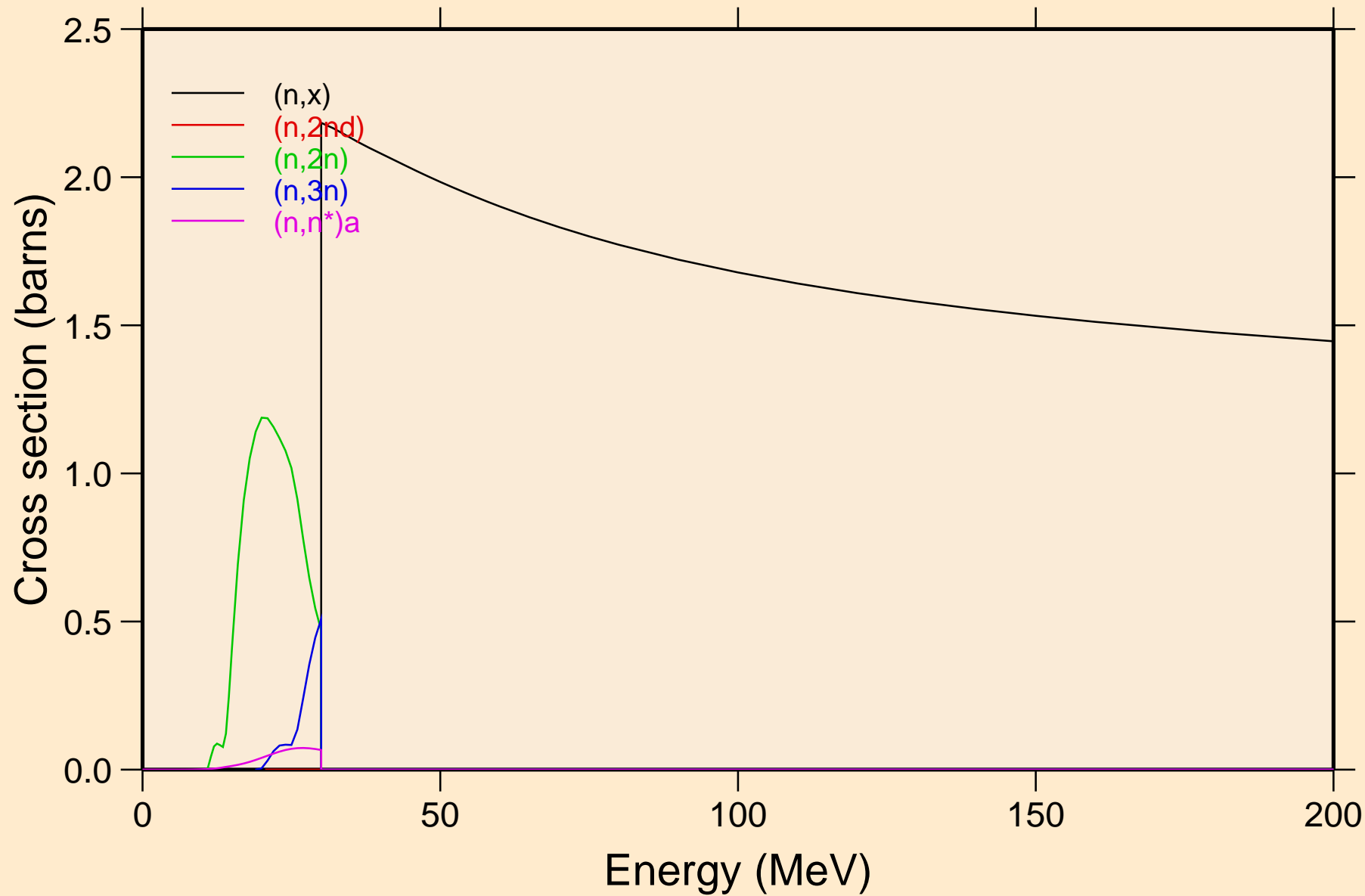
# HF164 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

## Inelastic levels



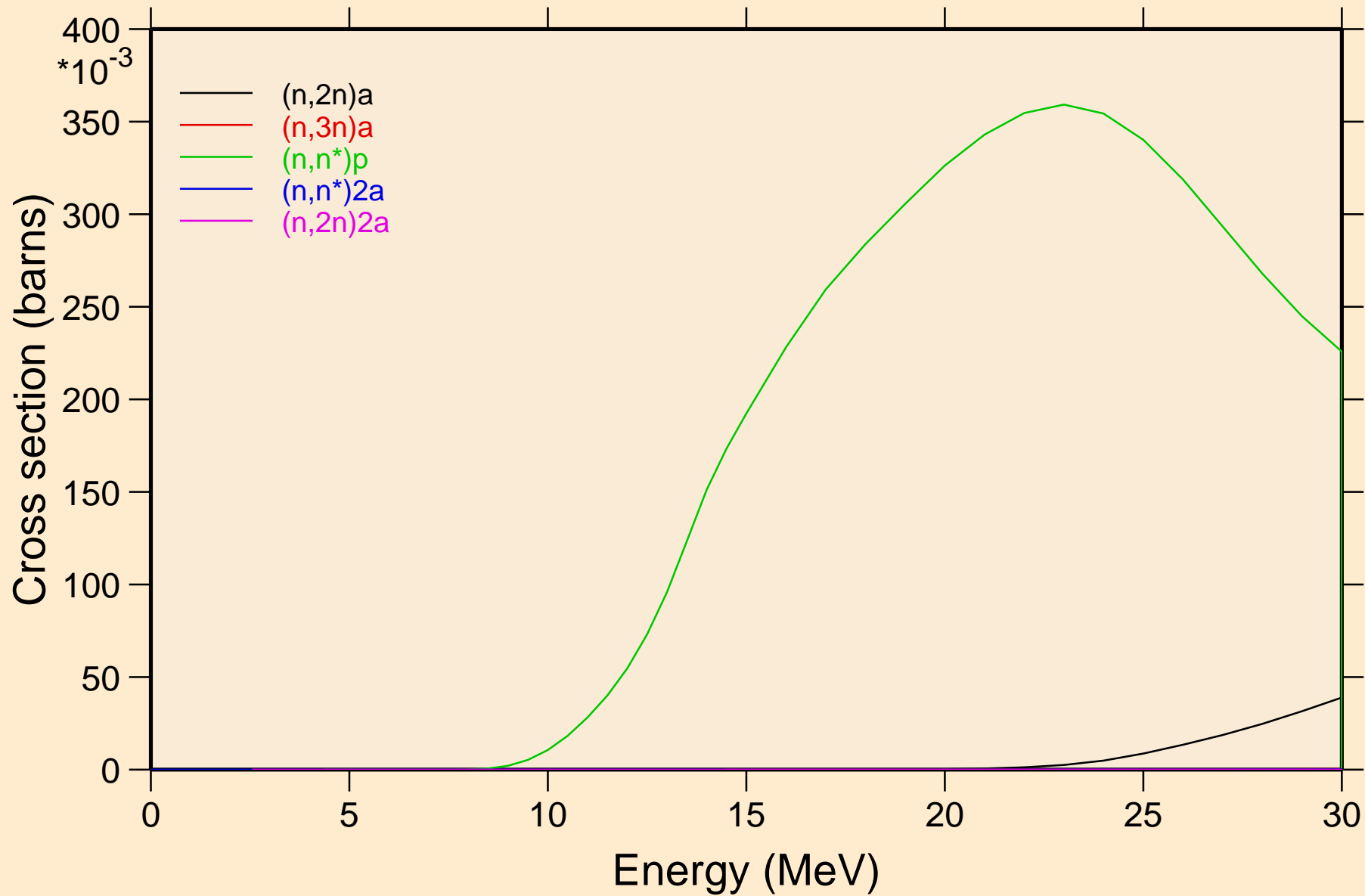
# HF164 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

## Threshold reactions



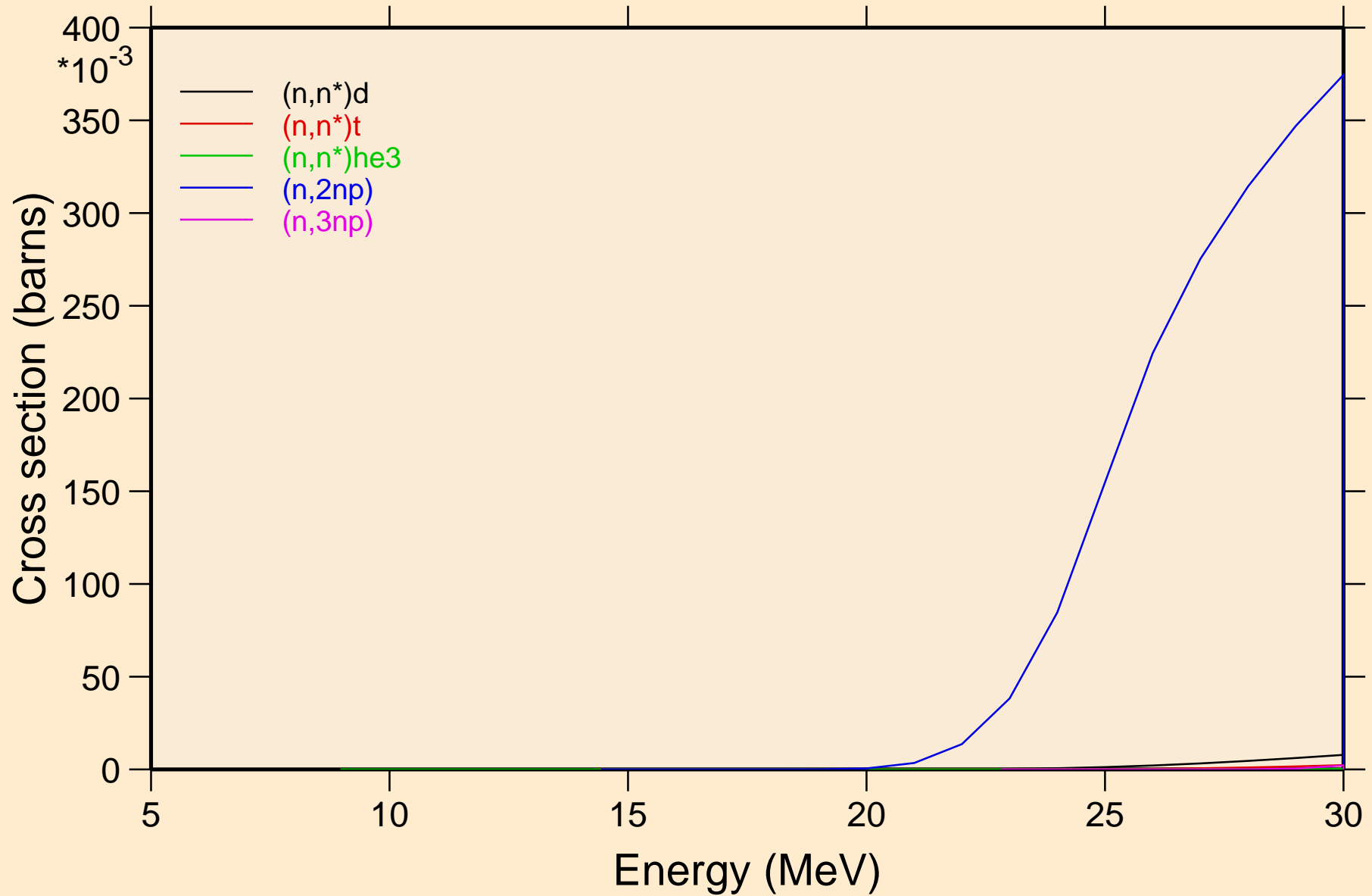
# HF164 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

## Threshold reactions



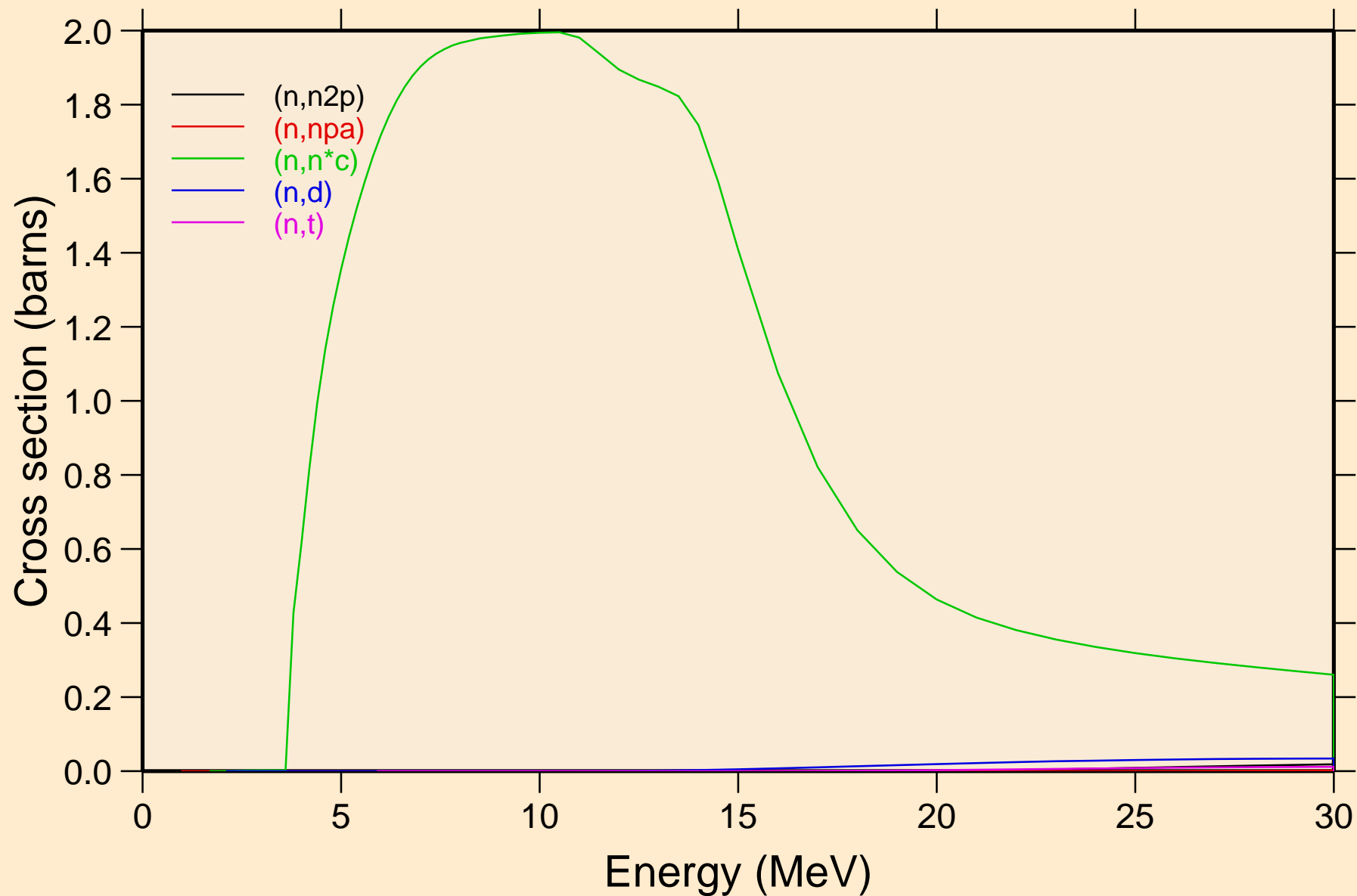
# HF164 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

## Threshold reactions



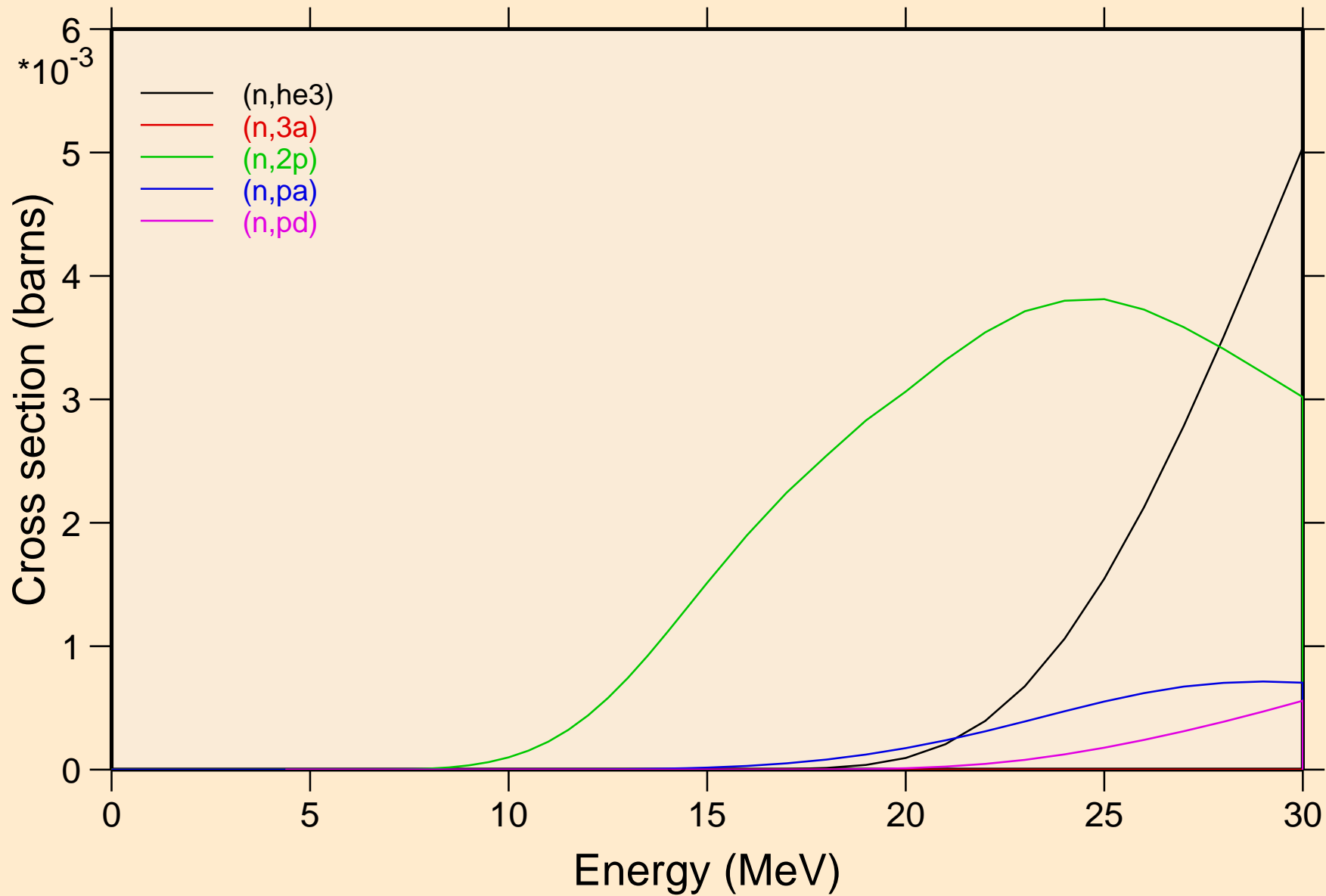
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## Threshold reactions



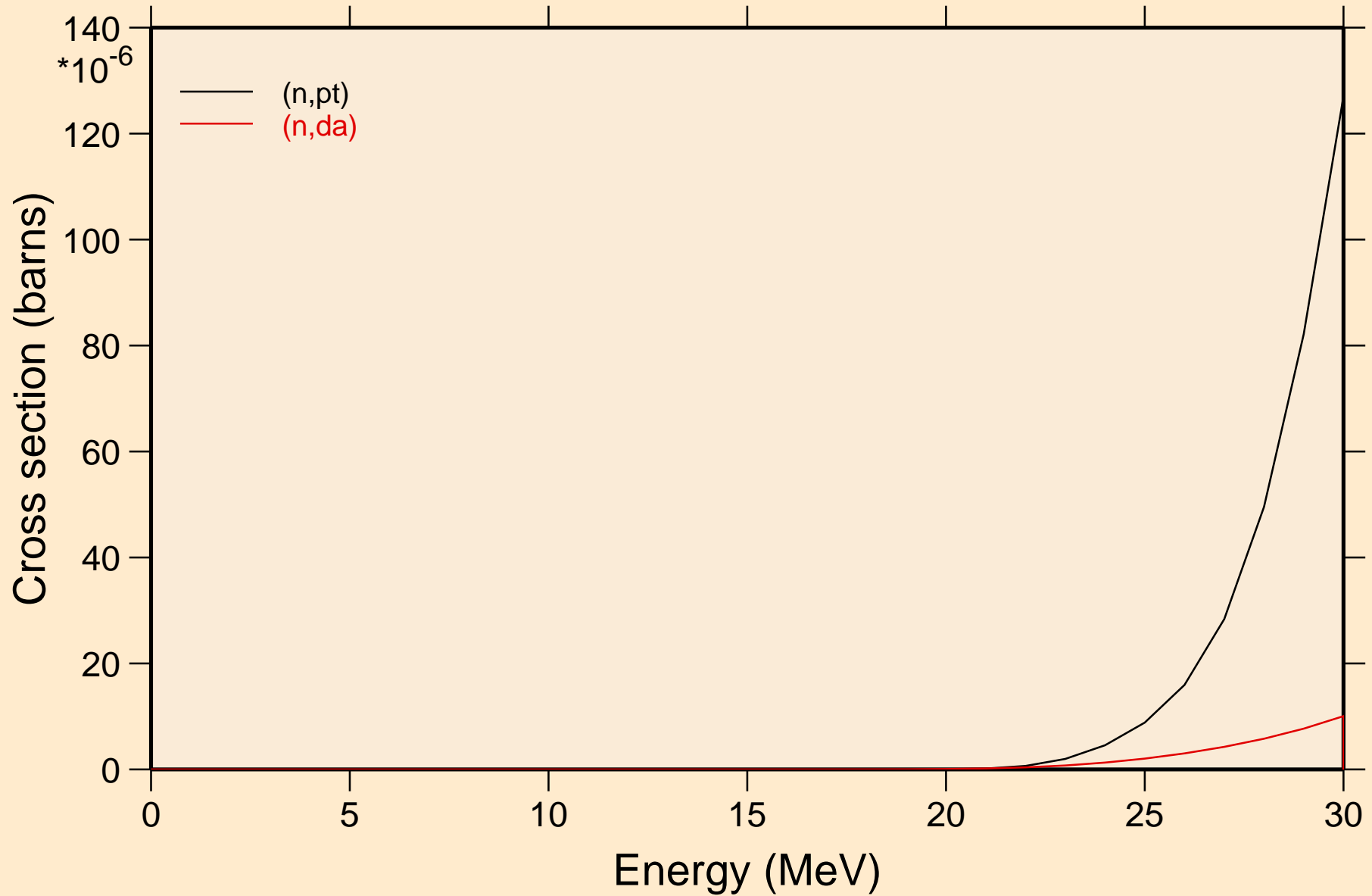
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## Threshold reactions

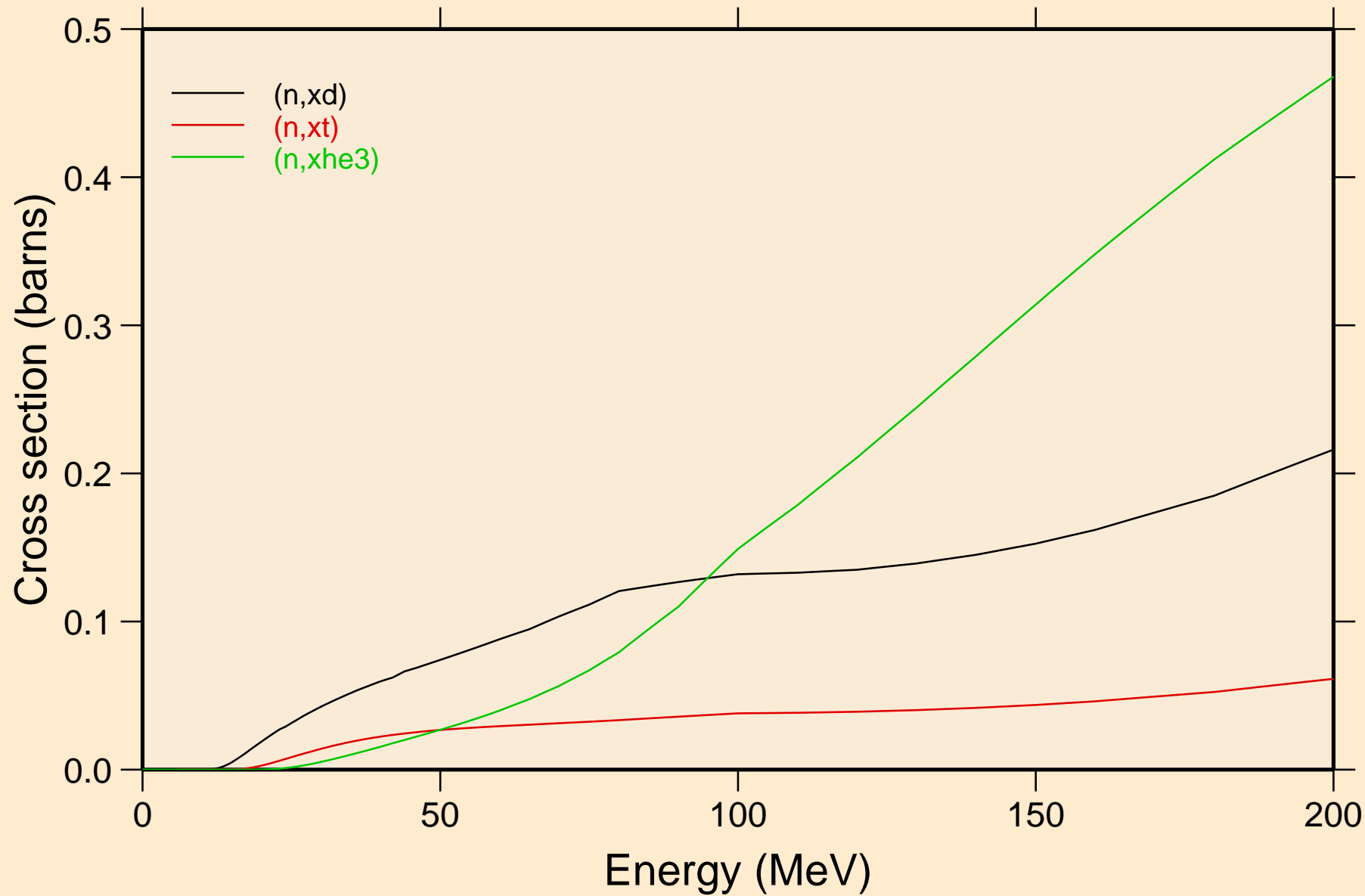


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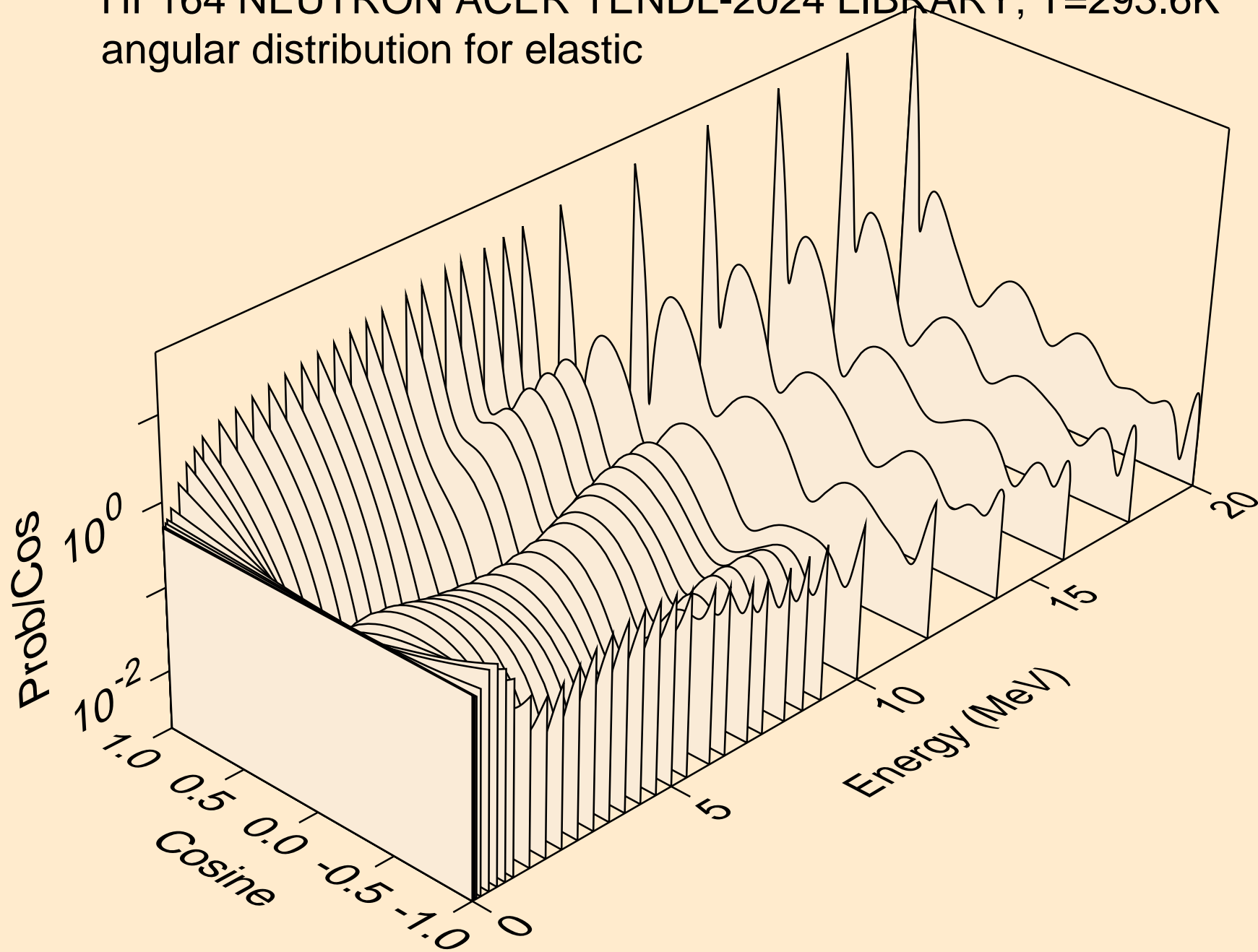
## Threshold reactions



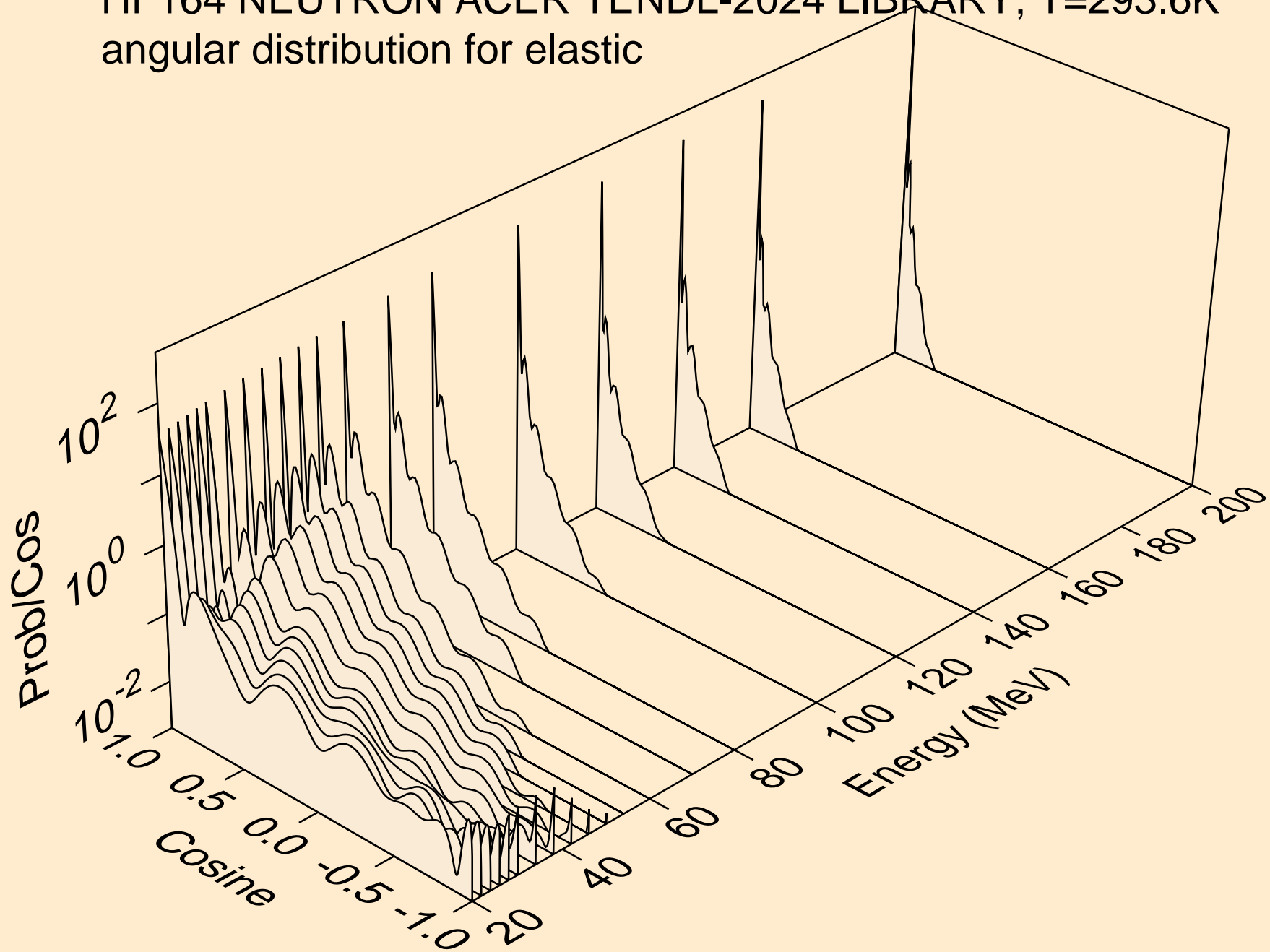
HF164 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Threshold reactions



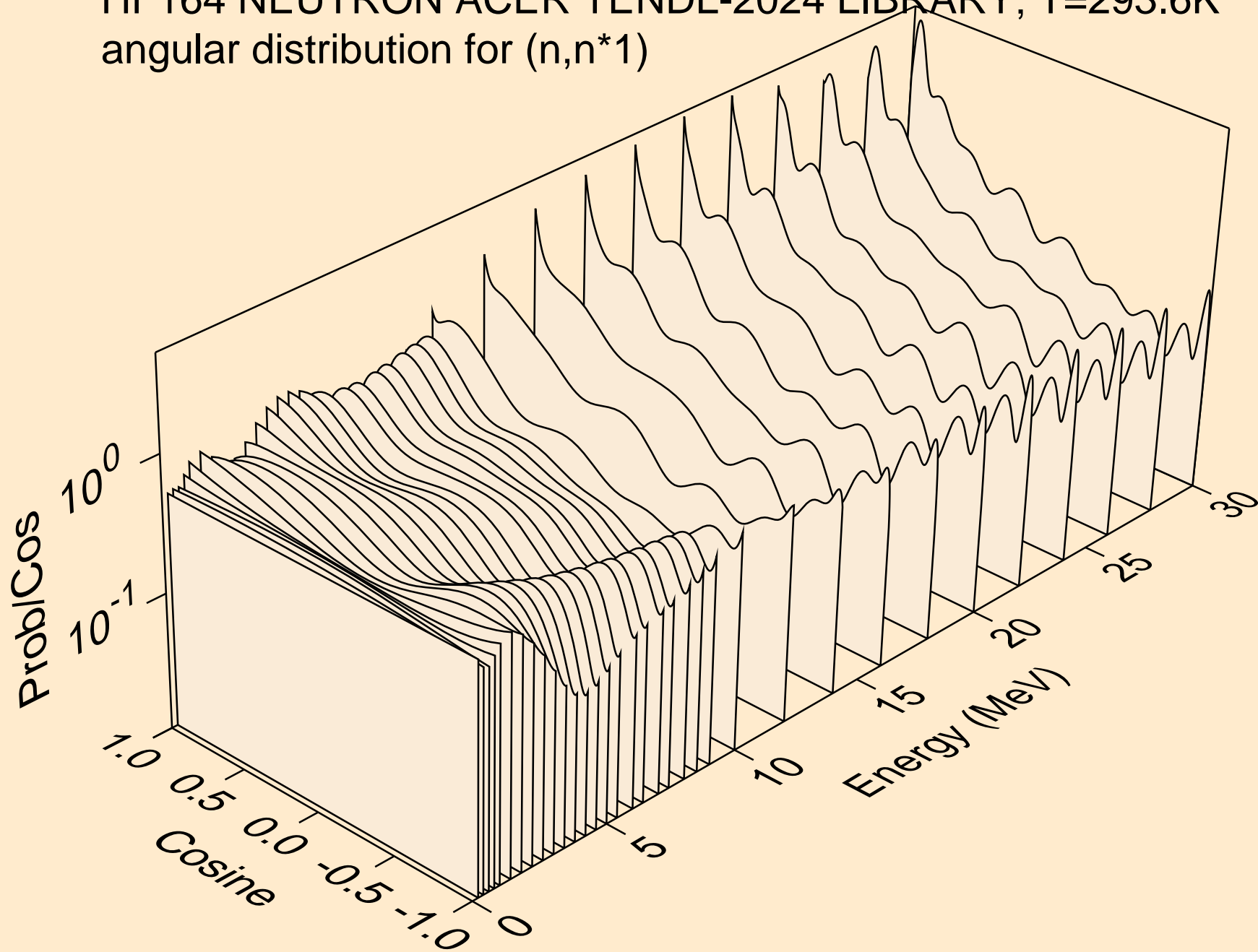
HF164 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for elastic



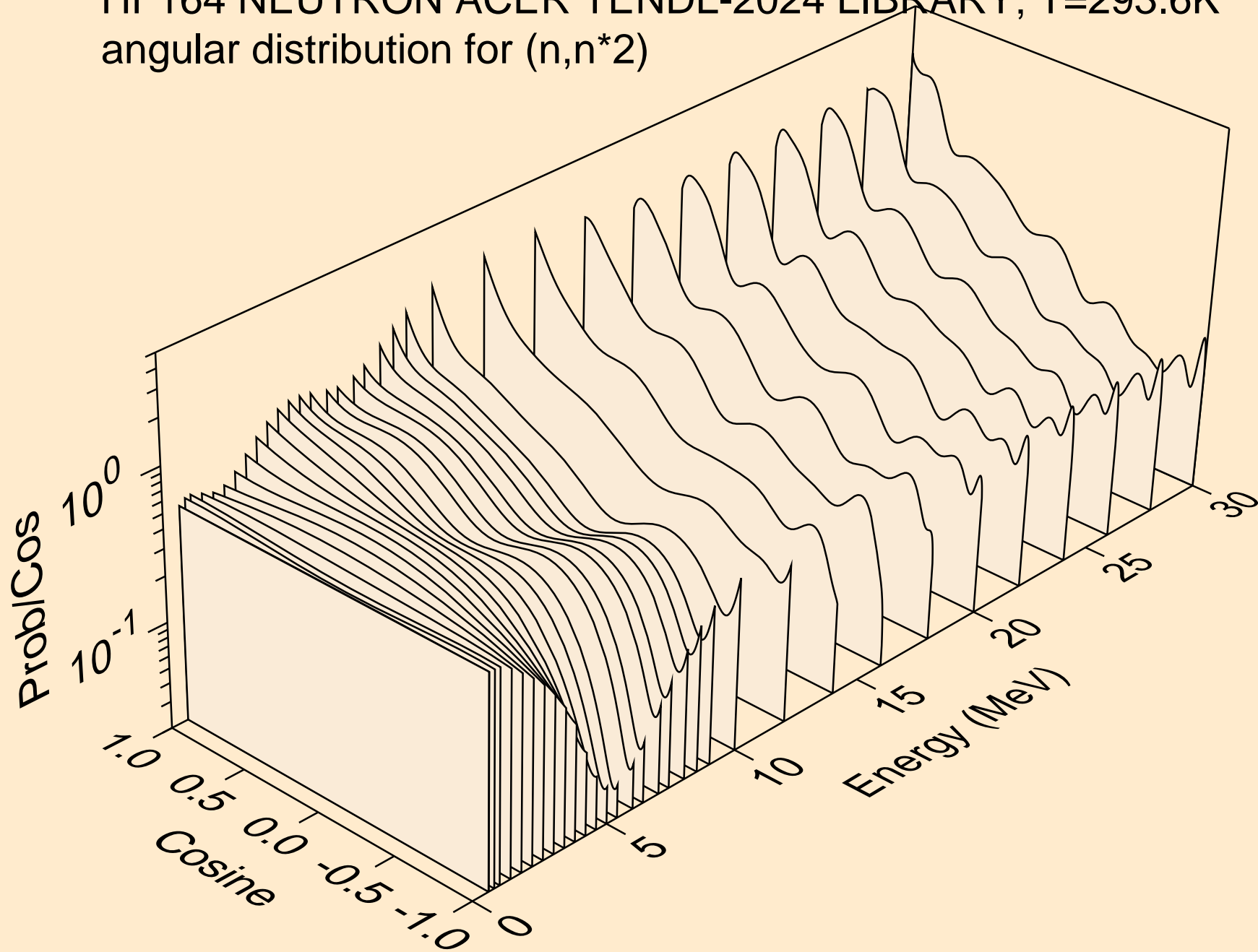
HF164 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for elastic



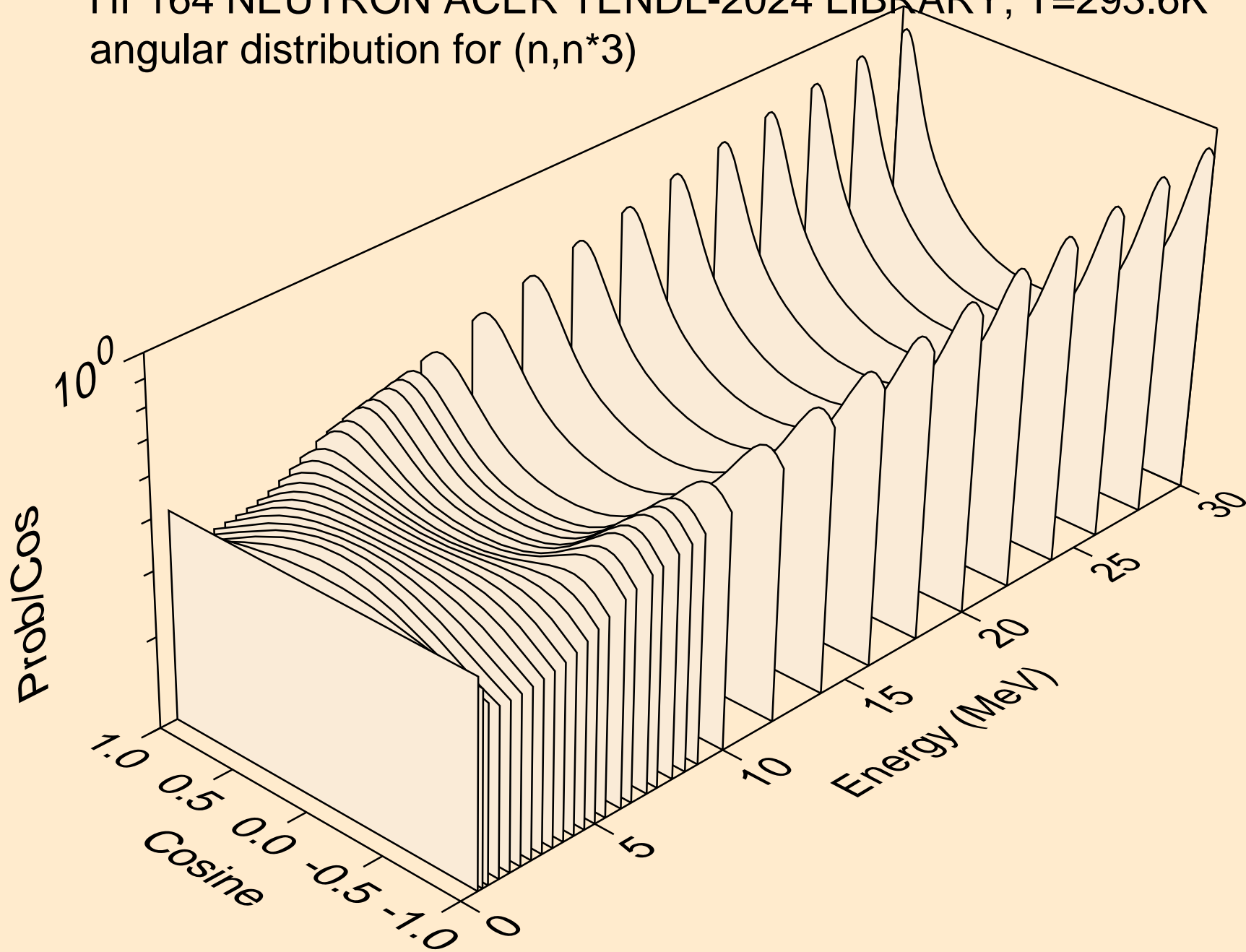
HF164 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*1)



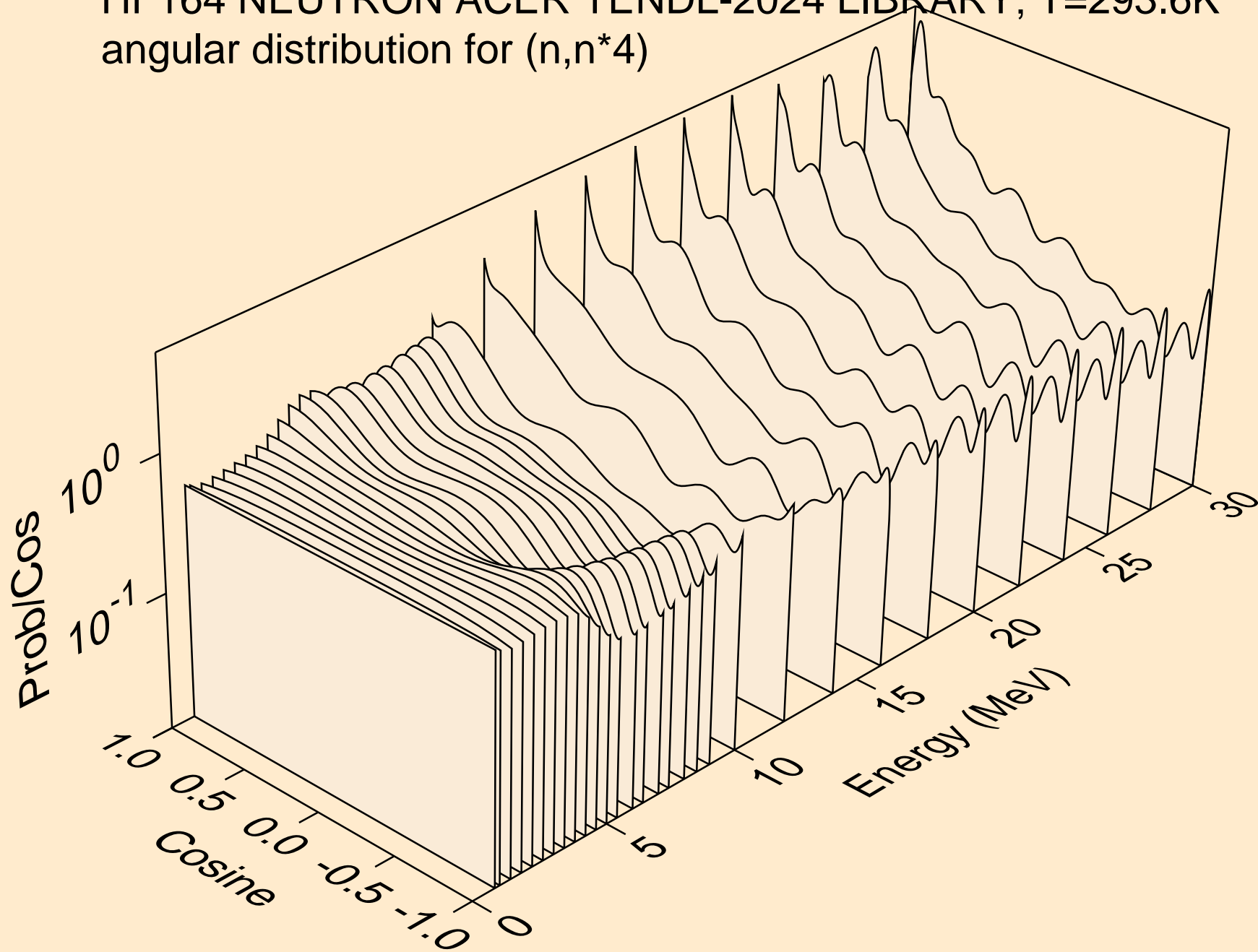
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angular distribution for (n,n\*2)



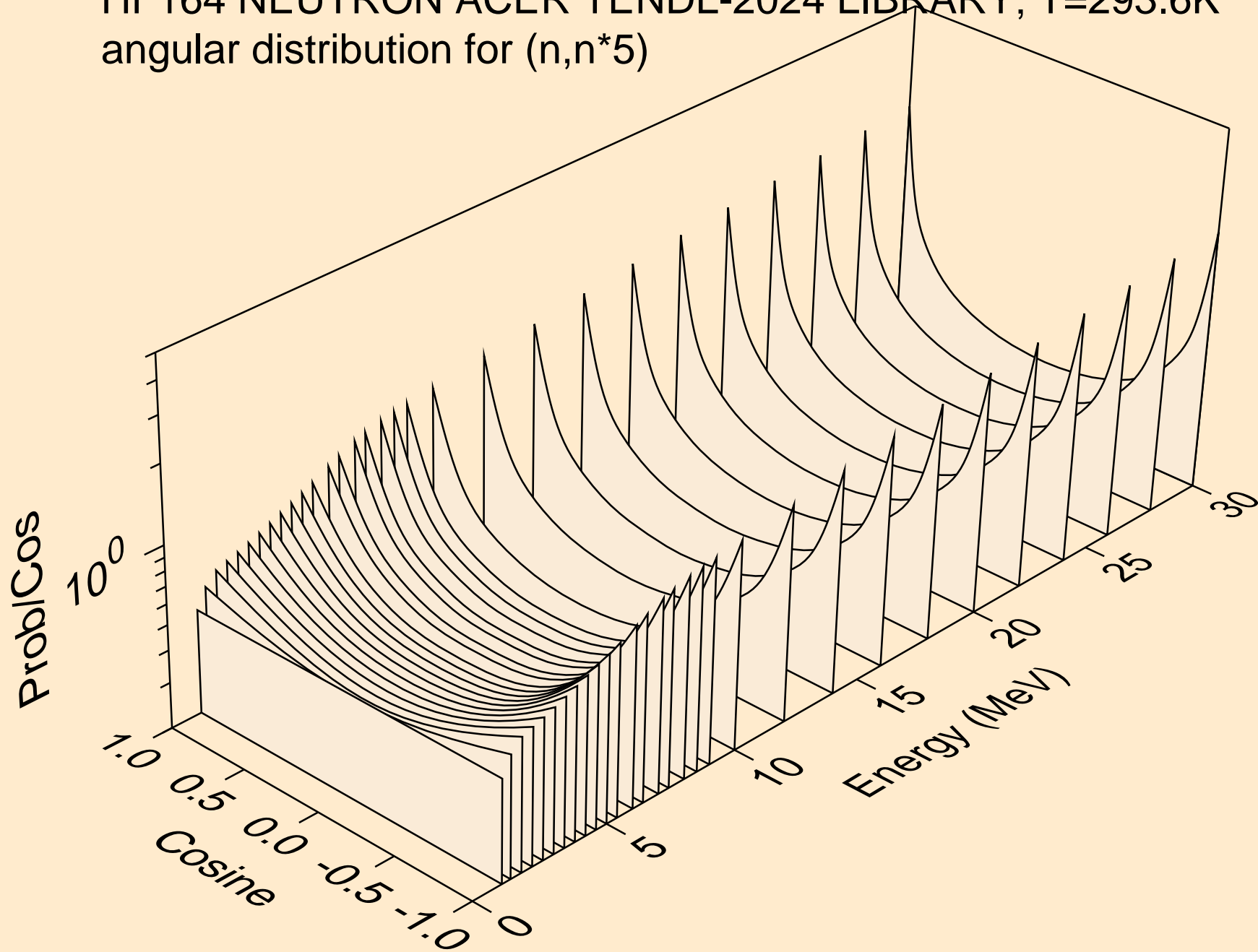
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angular distribution for (n,n\*3)



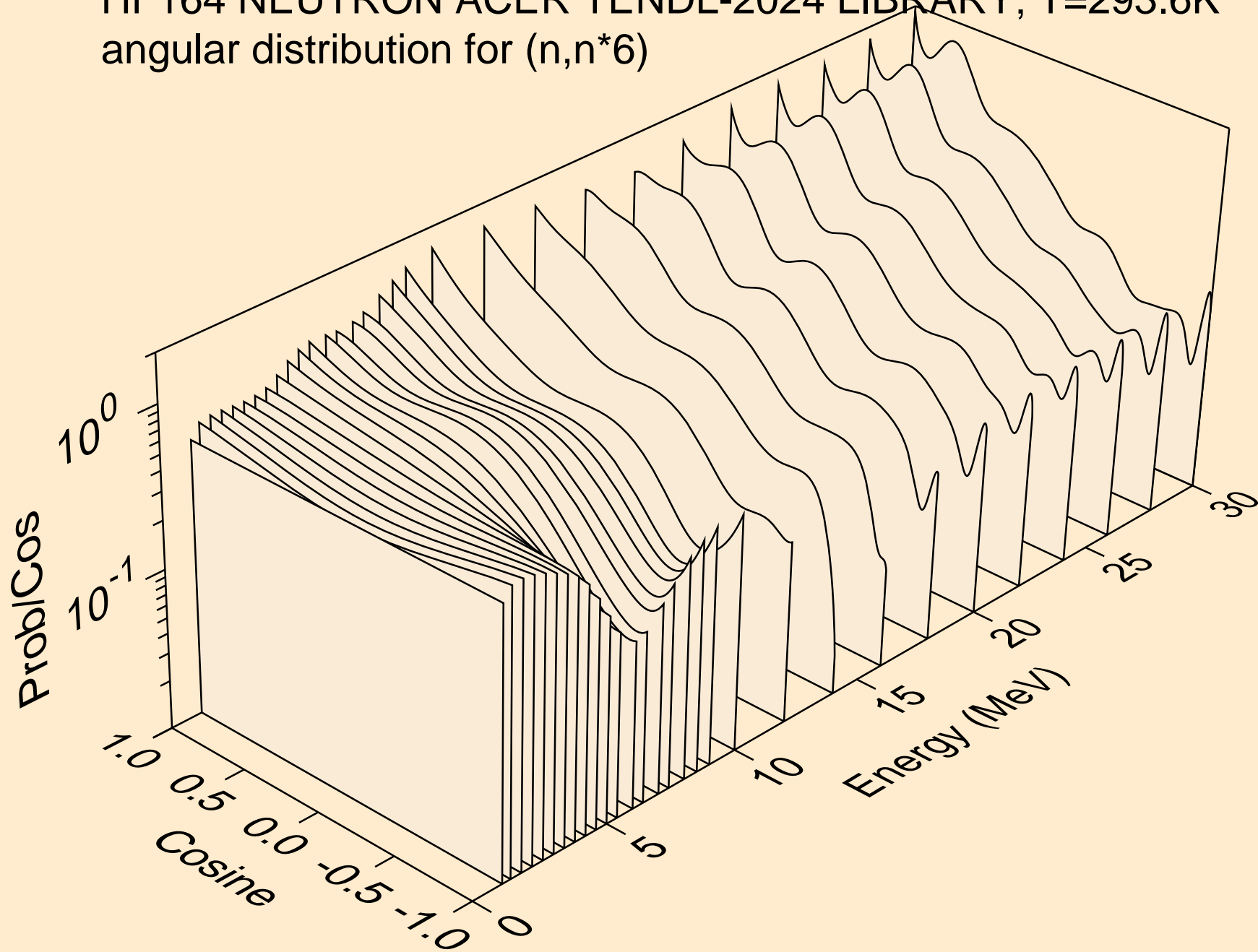
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angular distribution for (n,n\*4)



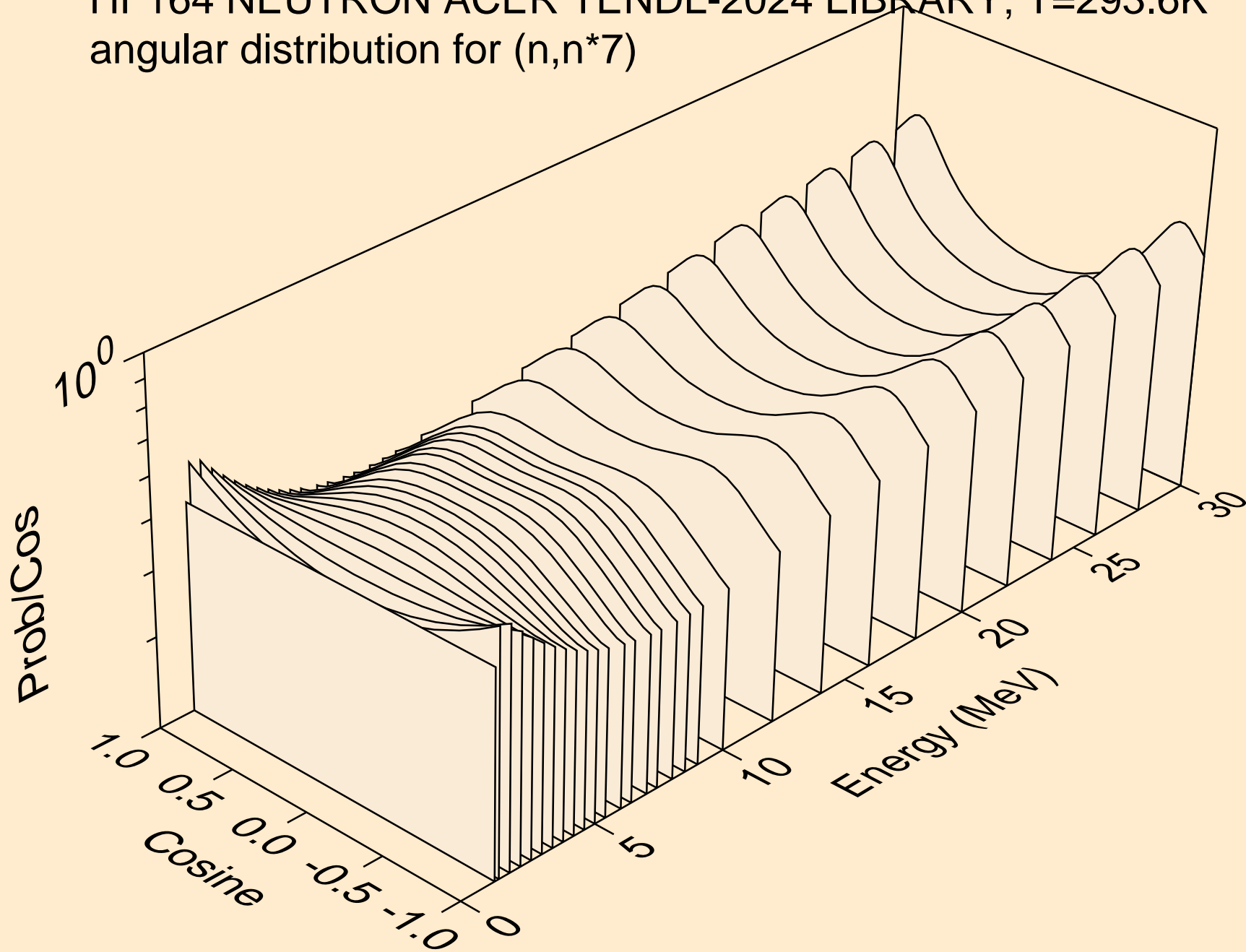
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angular distribution for (n,n\*5)



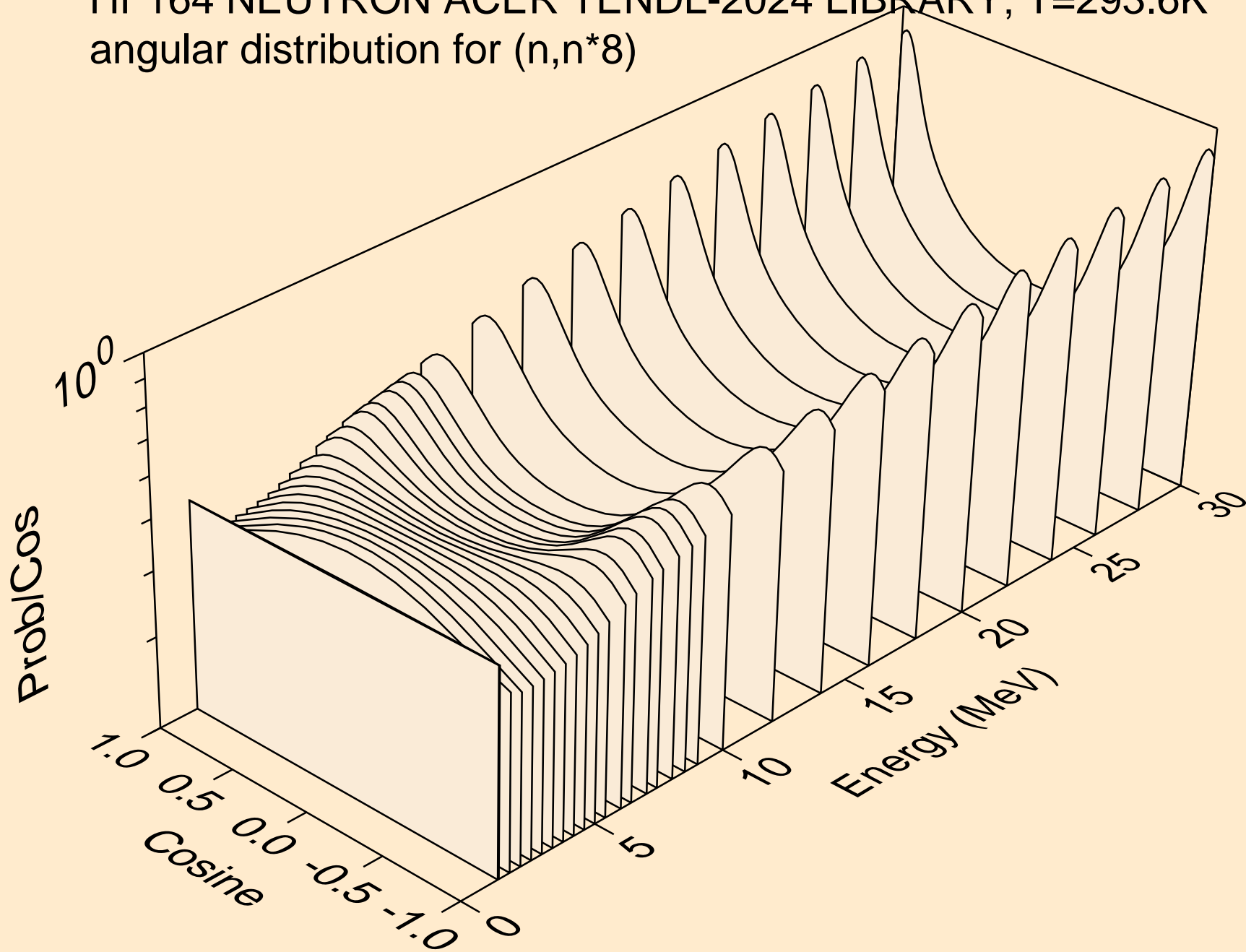
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angular distribution for (n,n\*6)



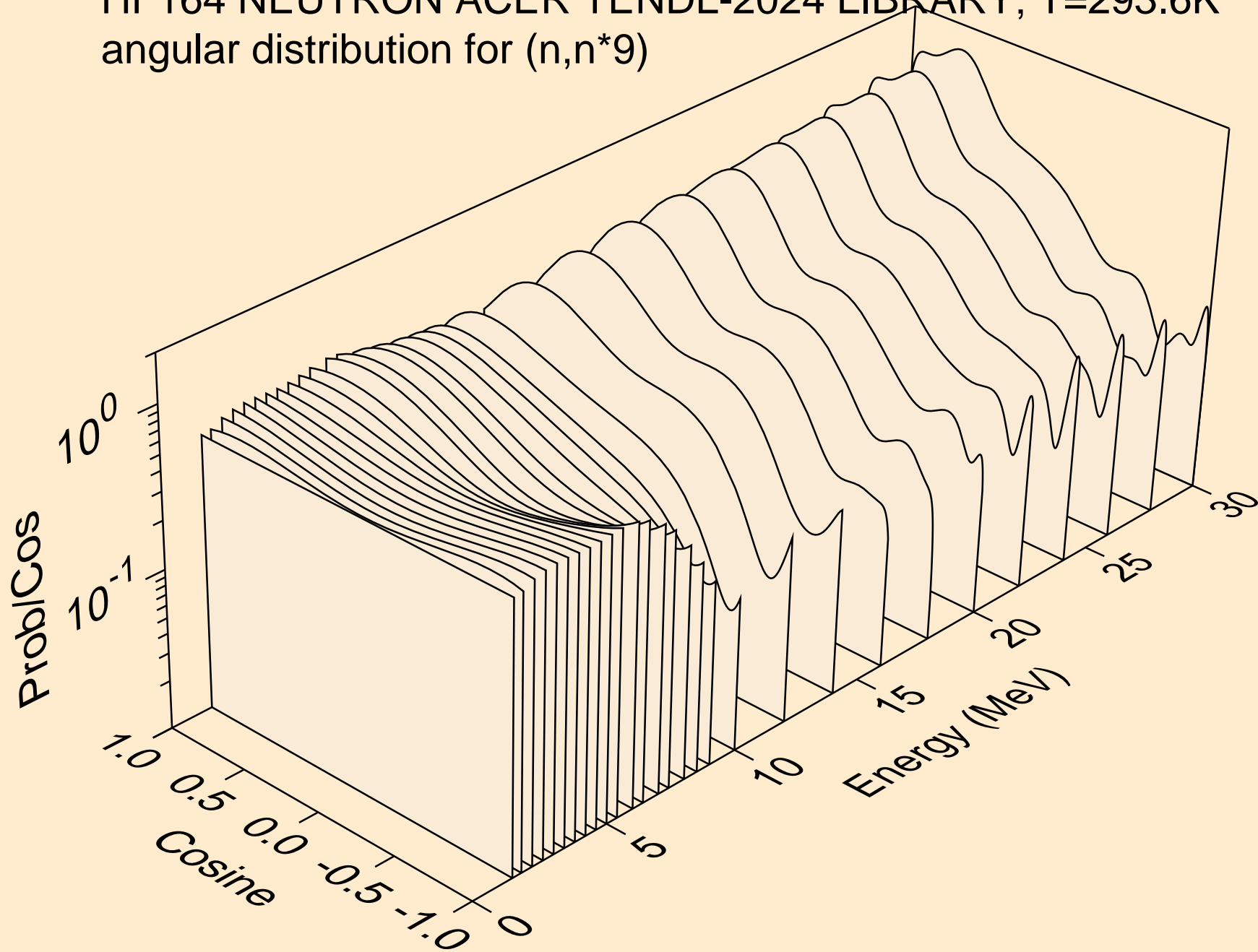
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angular distribution for (n,n\*7)



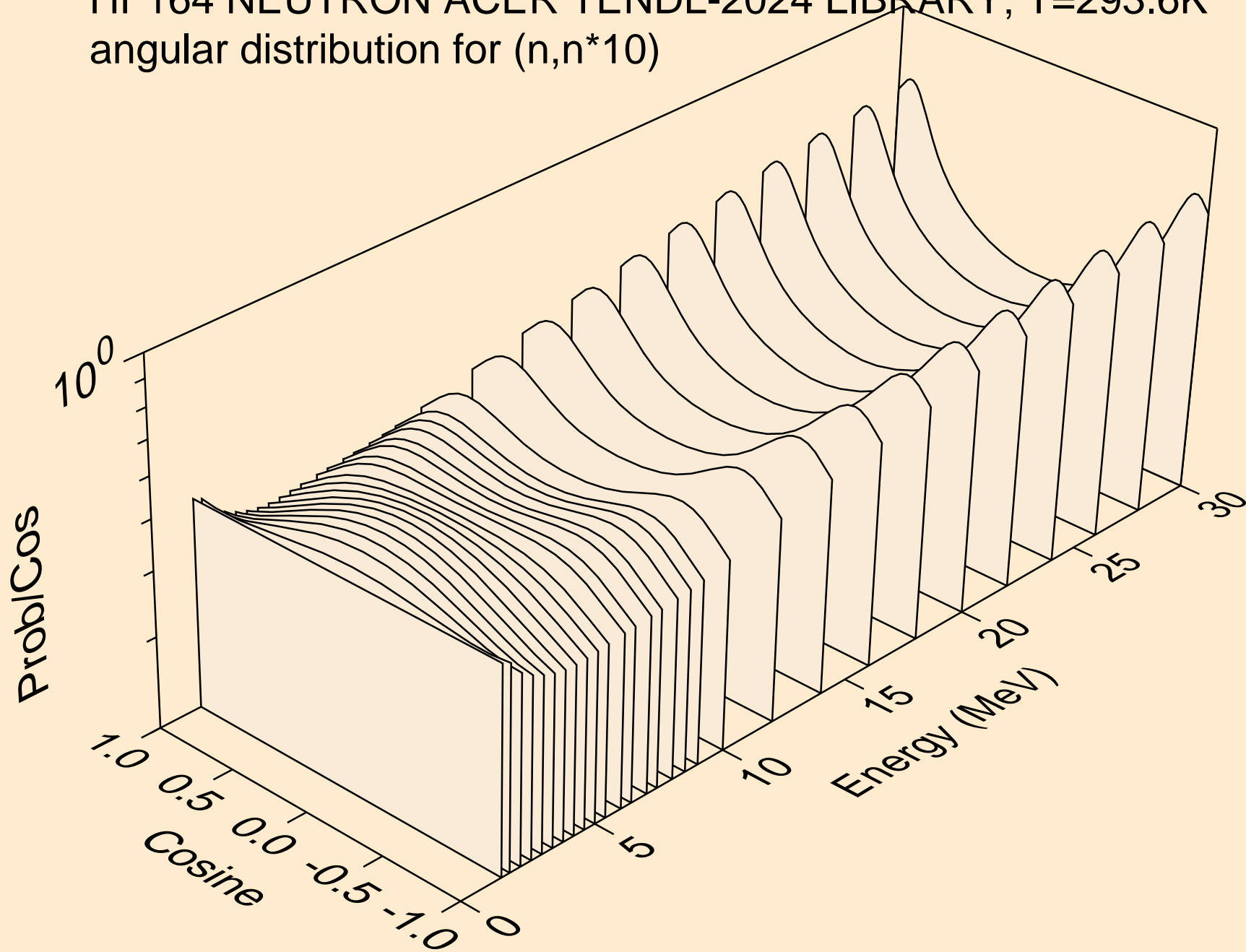
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angular distribution for (n,n\*8)



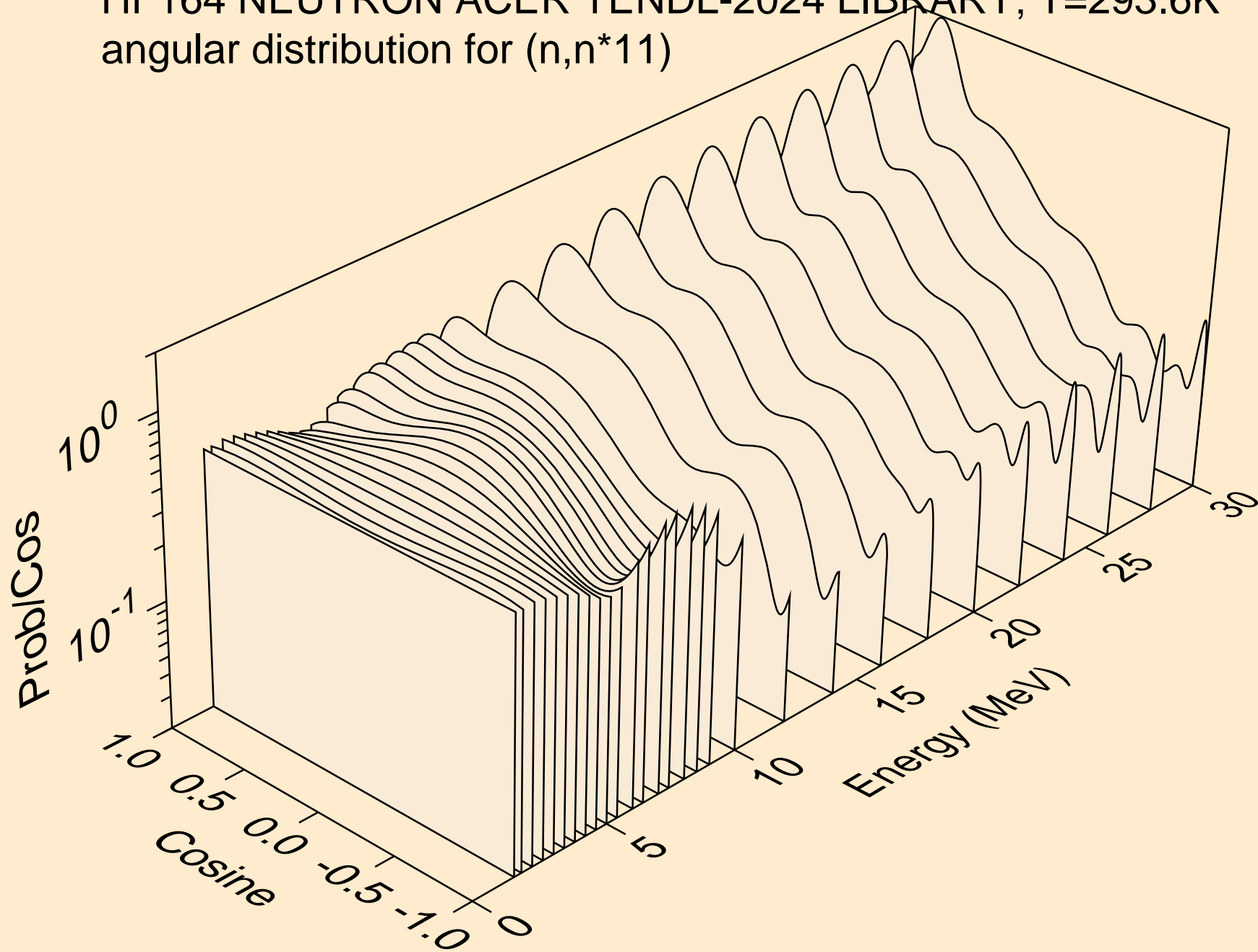
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angular distribution for (n,n\*9)



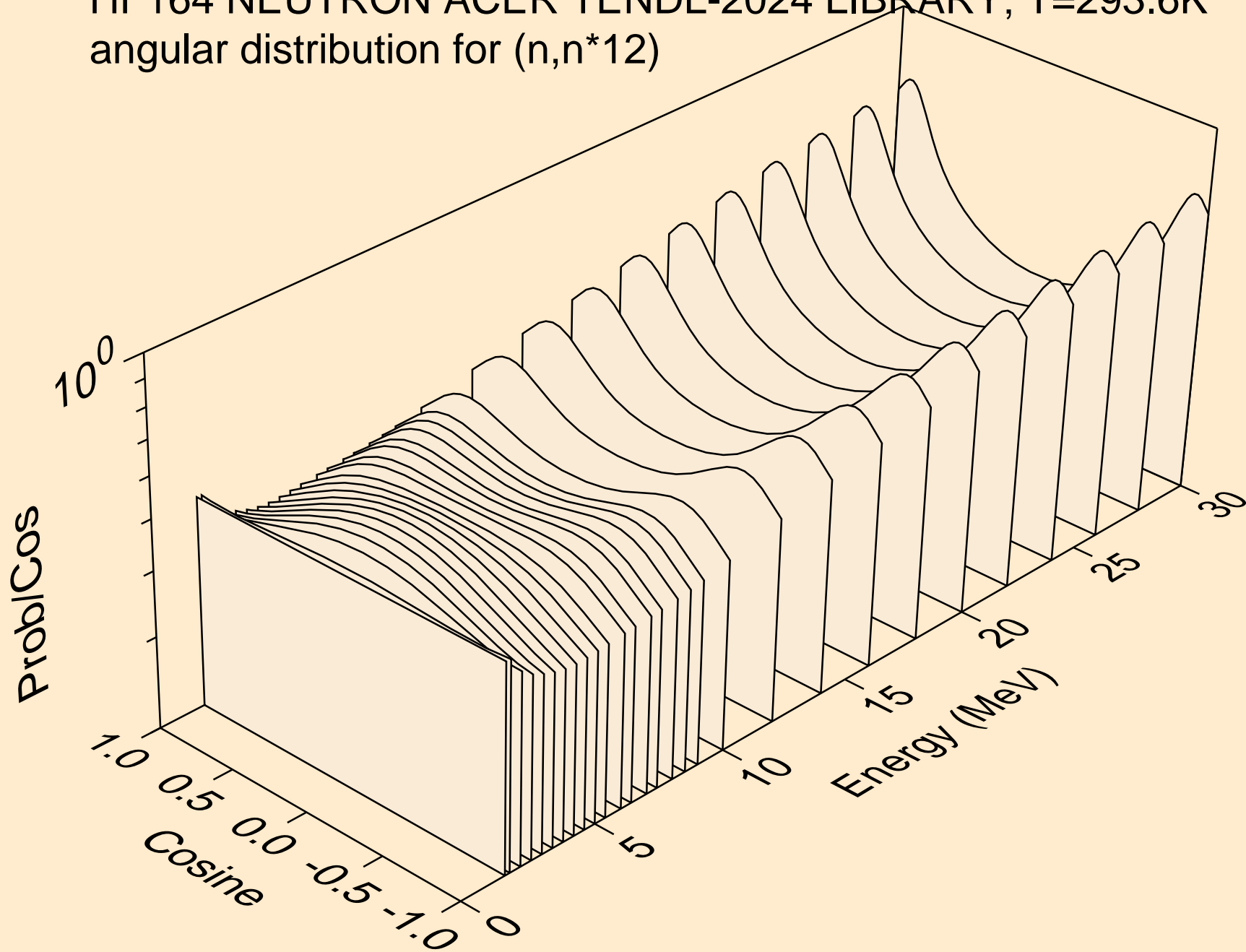
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angular distribution for (n,n\*10)



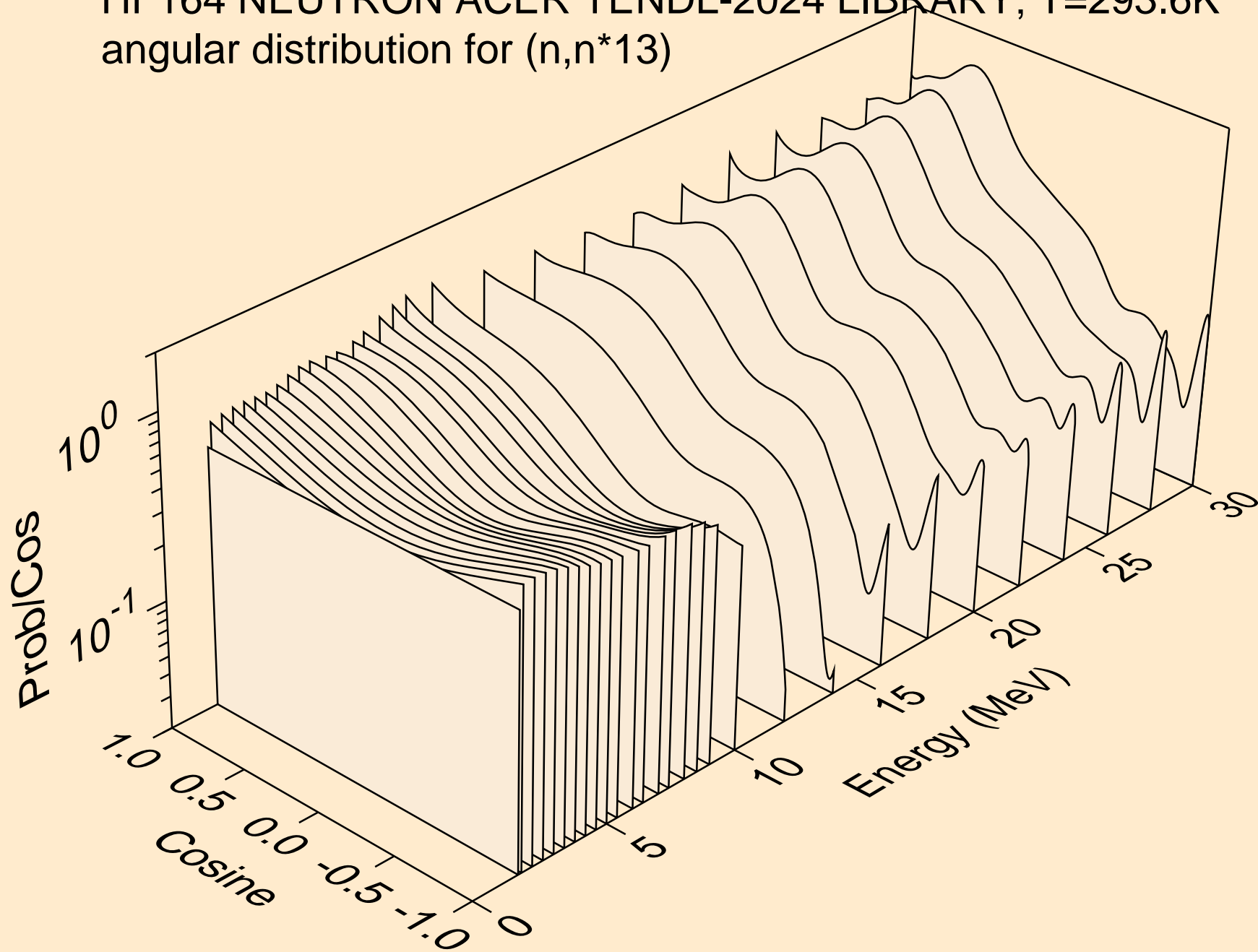
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angular distribution for (n,n\*11)



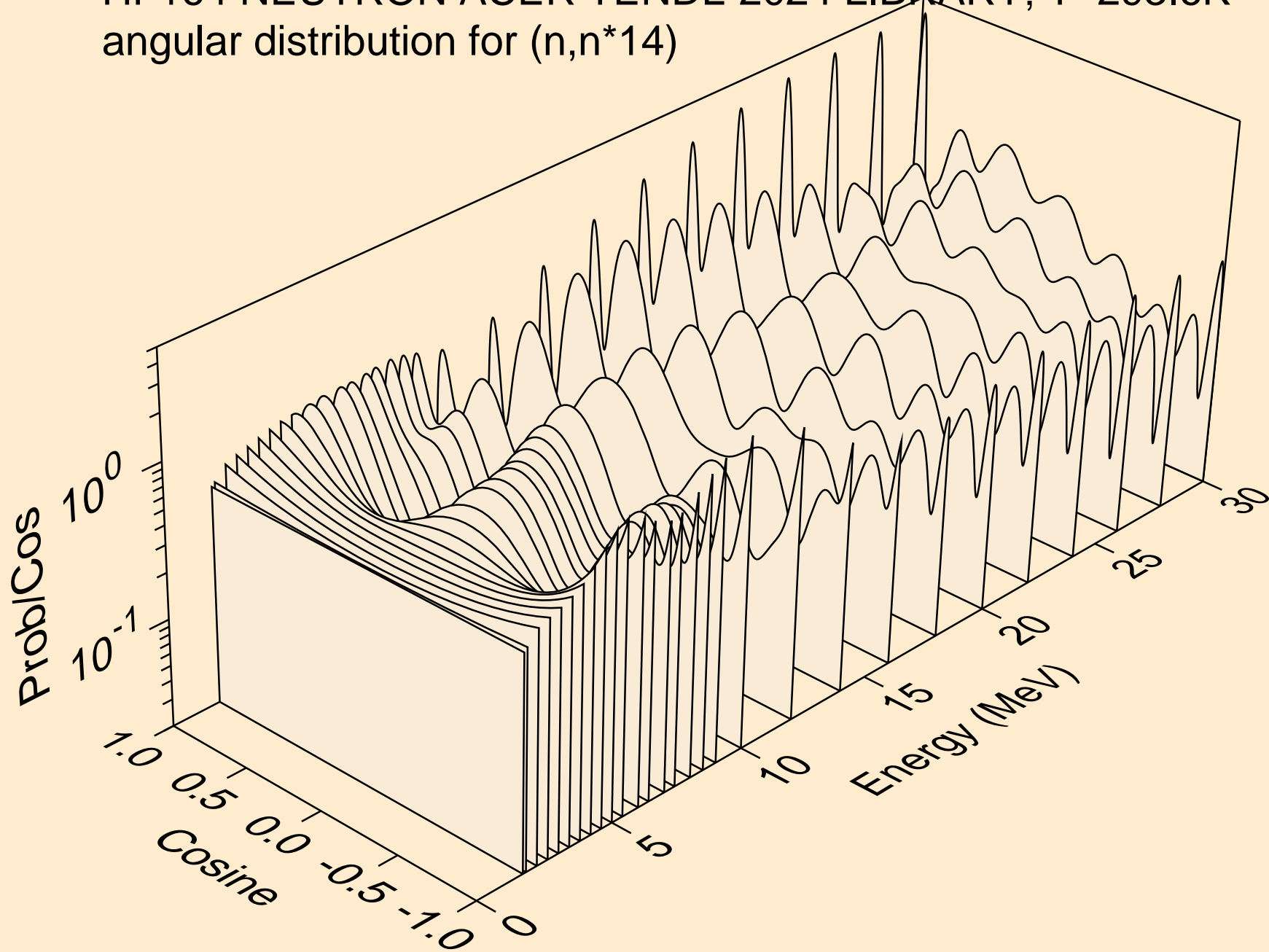
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angular distribution for (n,n\*12)



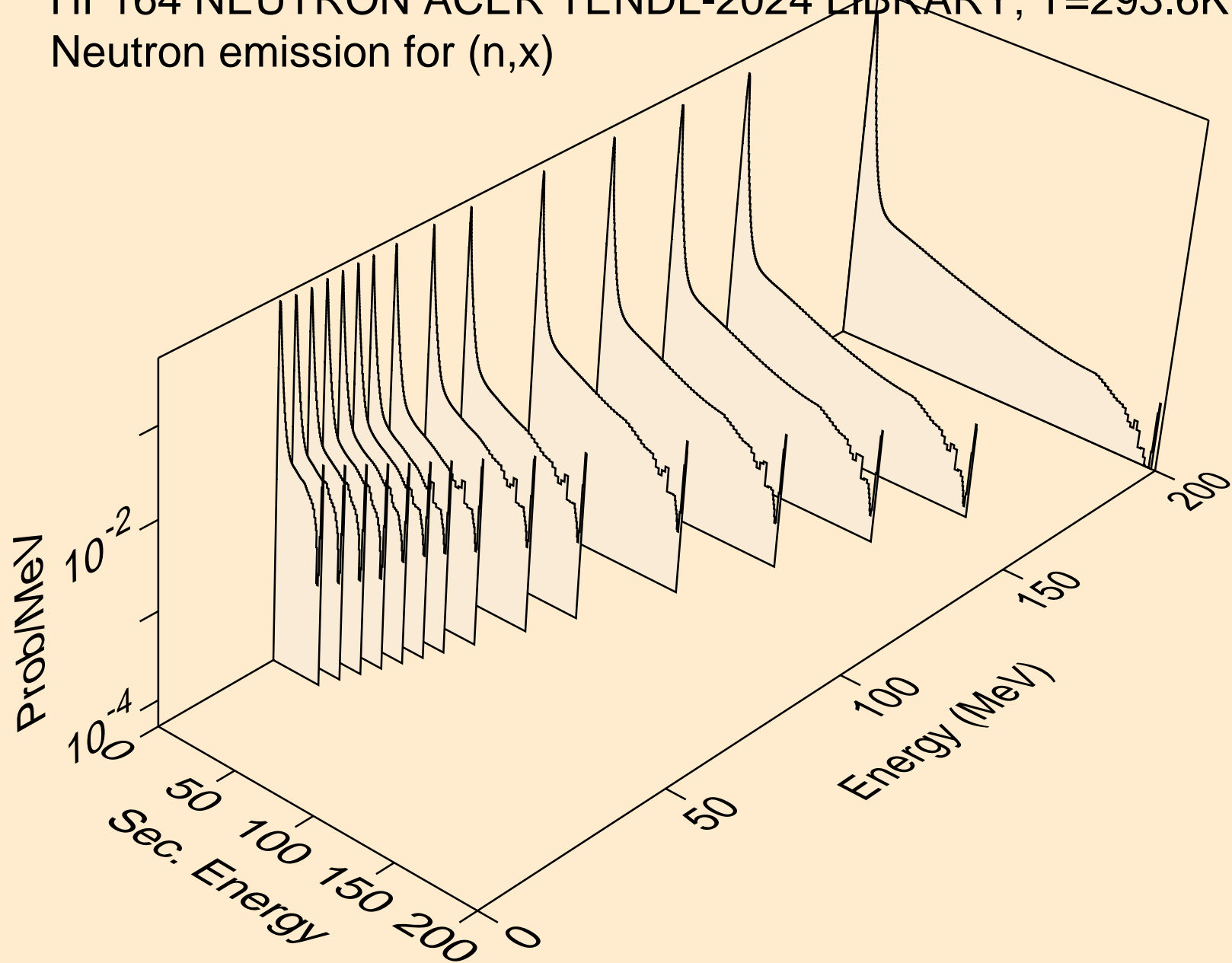
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angular distribution for (n,n\*13)



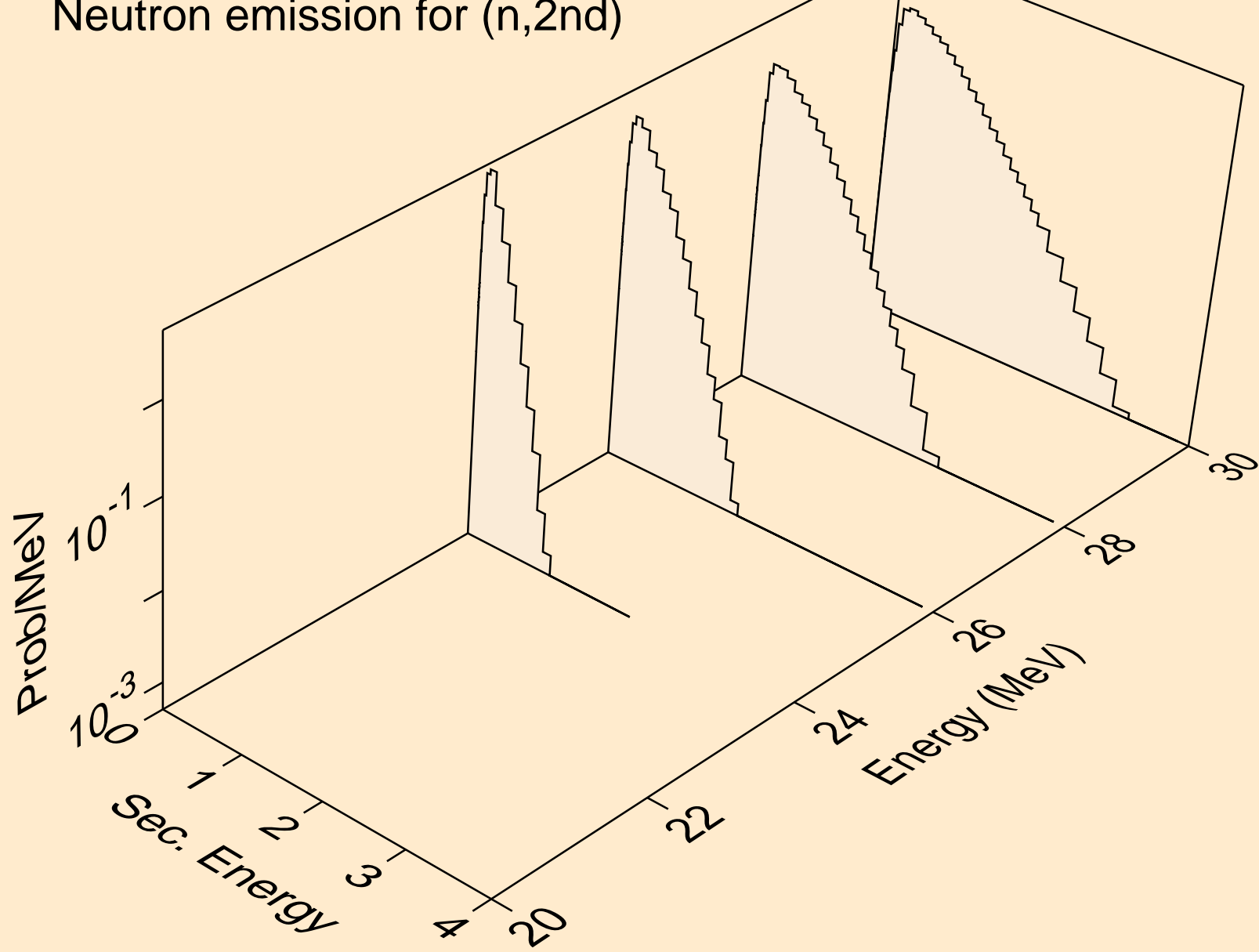
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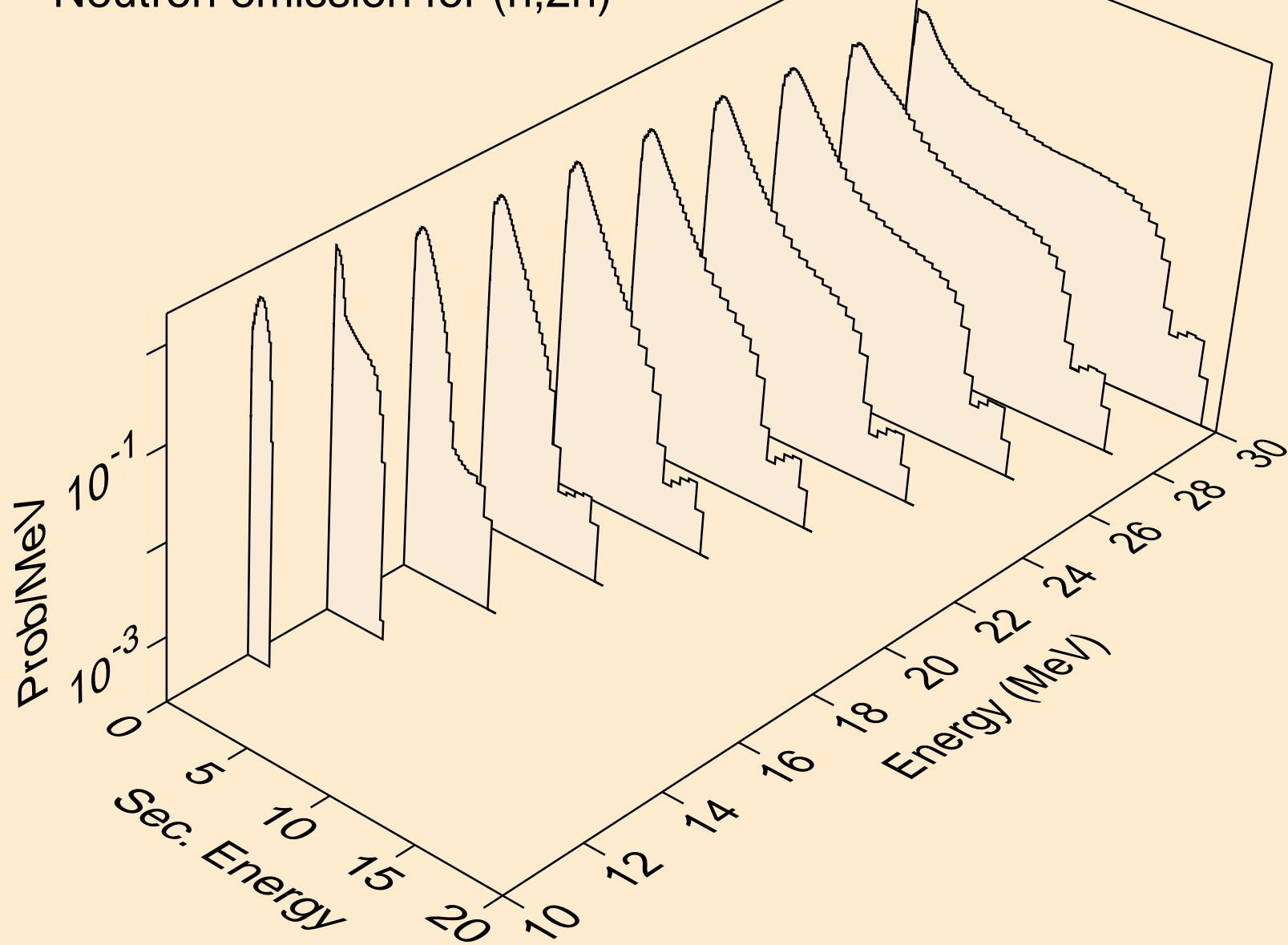
HF164 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,x)



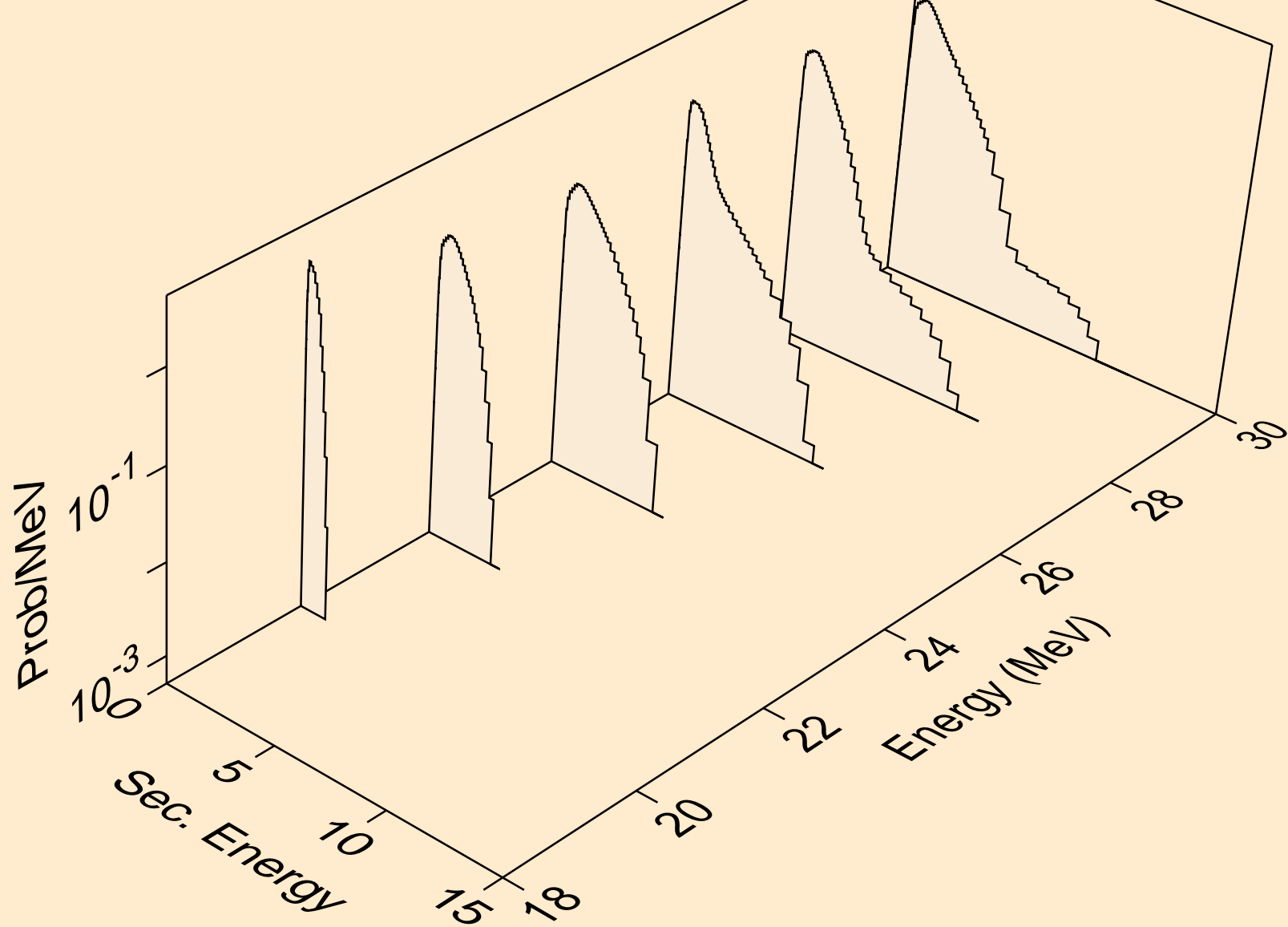
HF164 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,2nd)



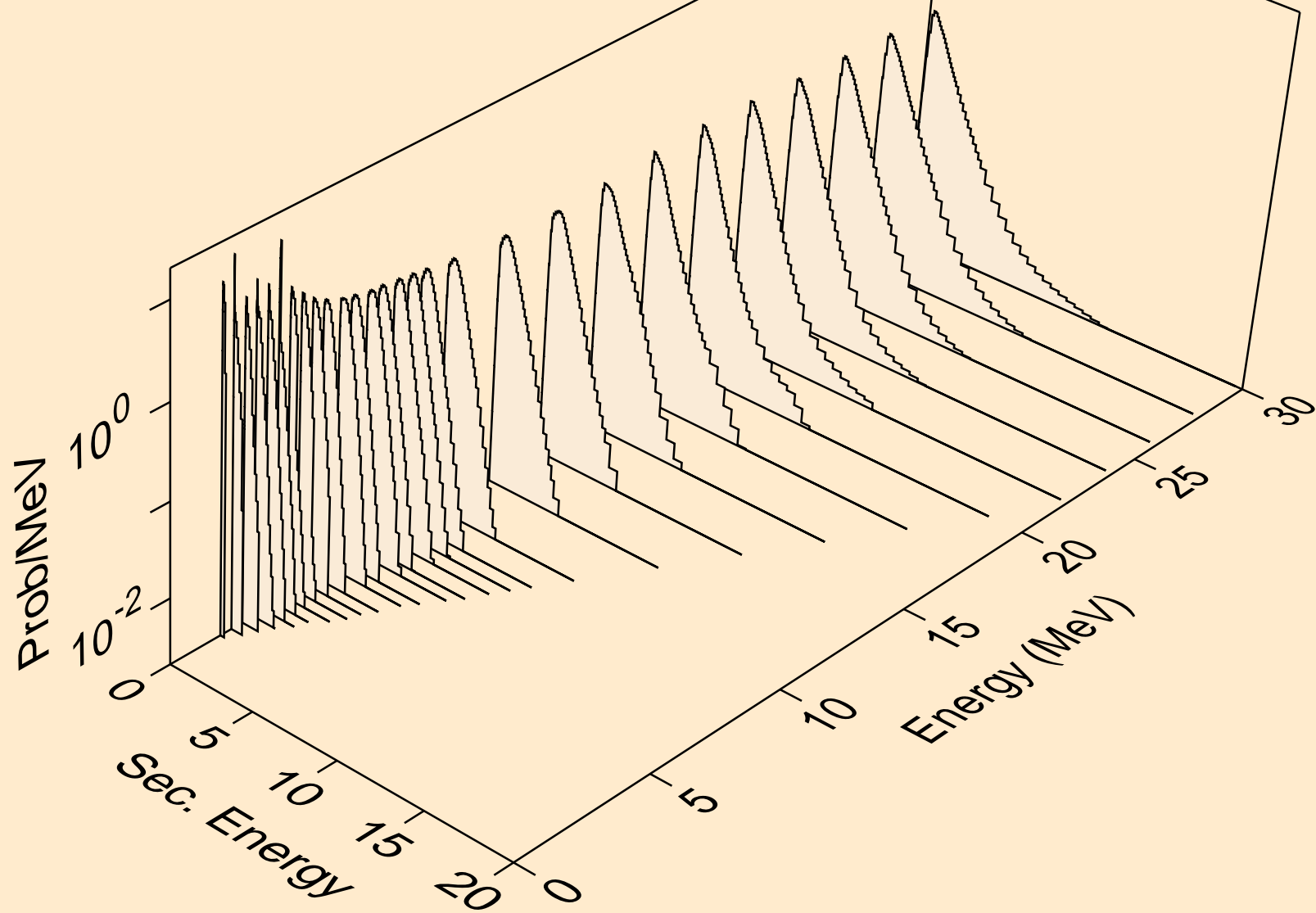
HF164 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,2n)



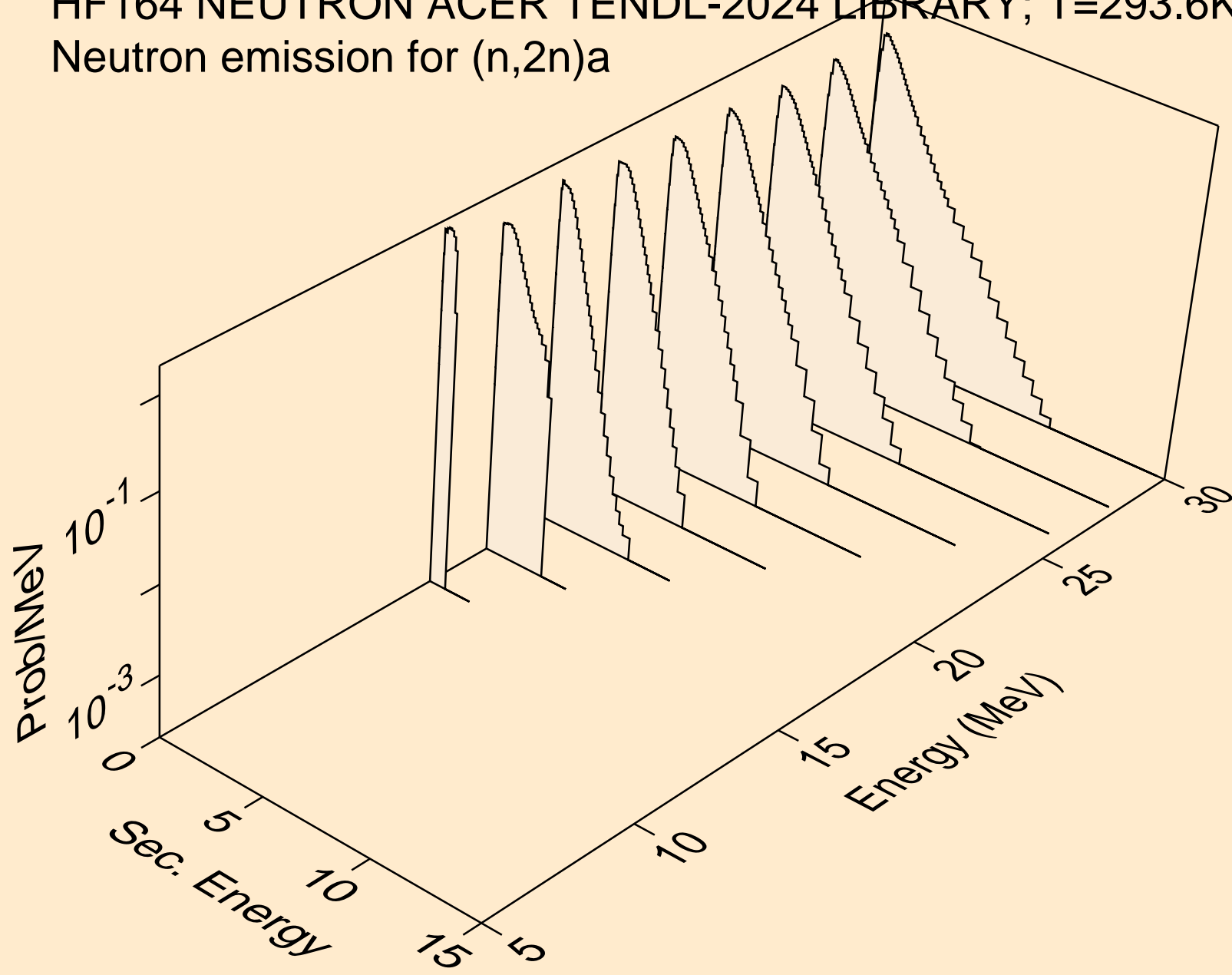
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Neutron emission for (n,3n)



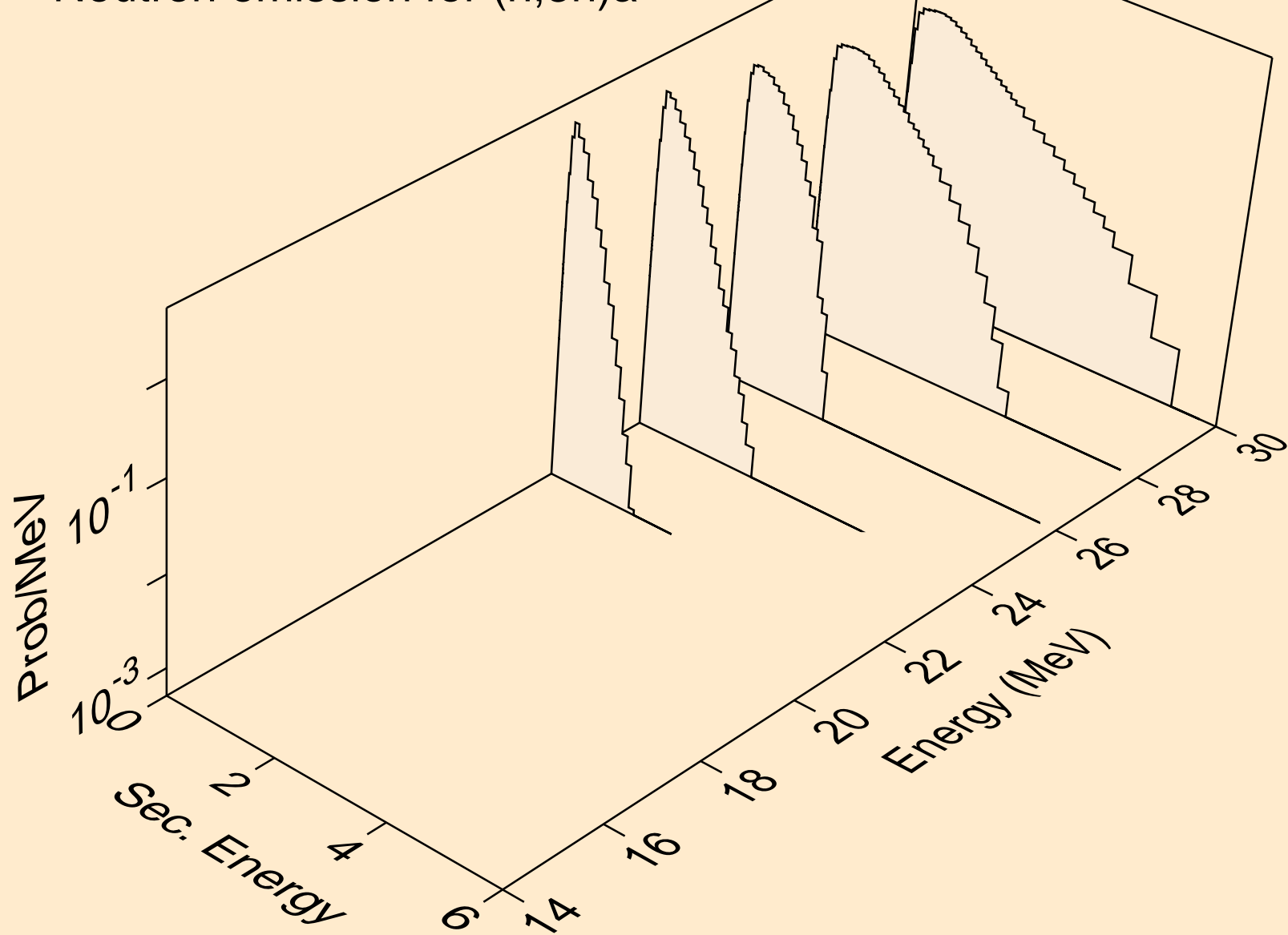
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Neutron emission for (n,n\*)a



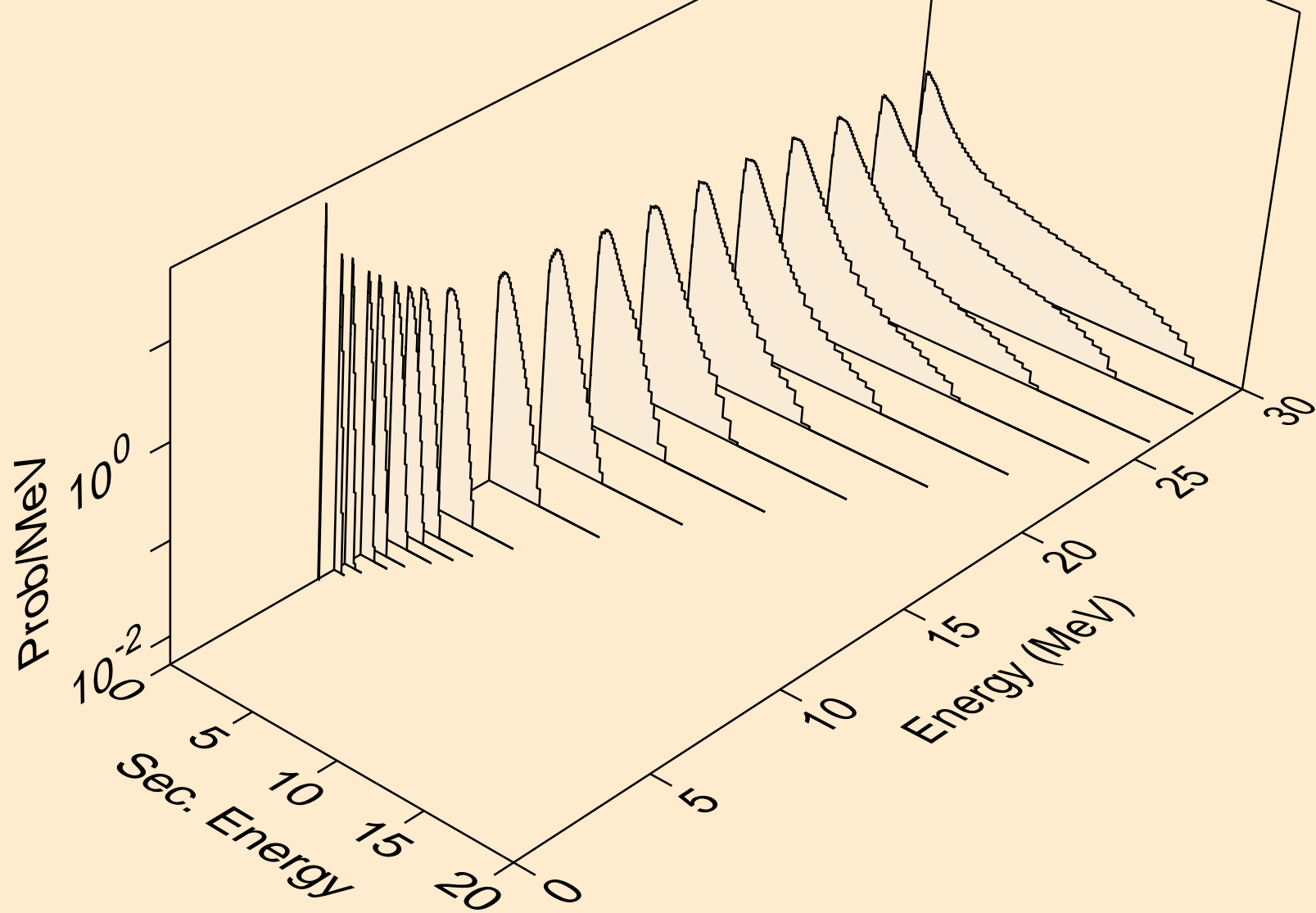
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Neutron emission for (n,2n)a



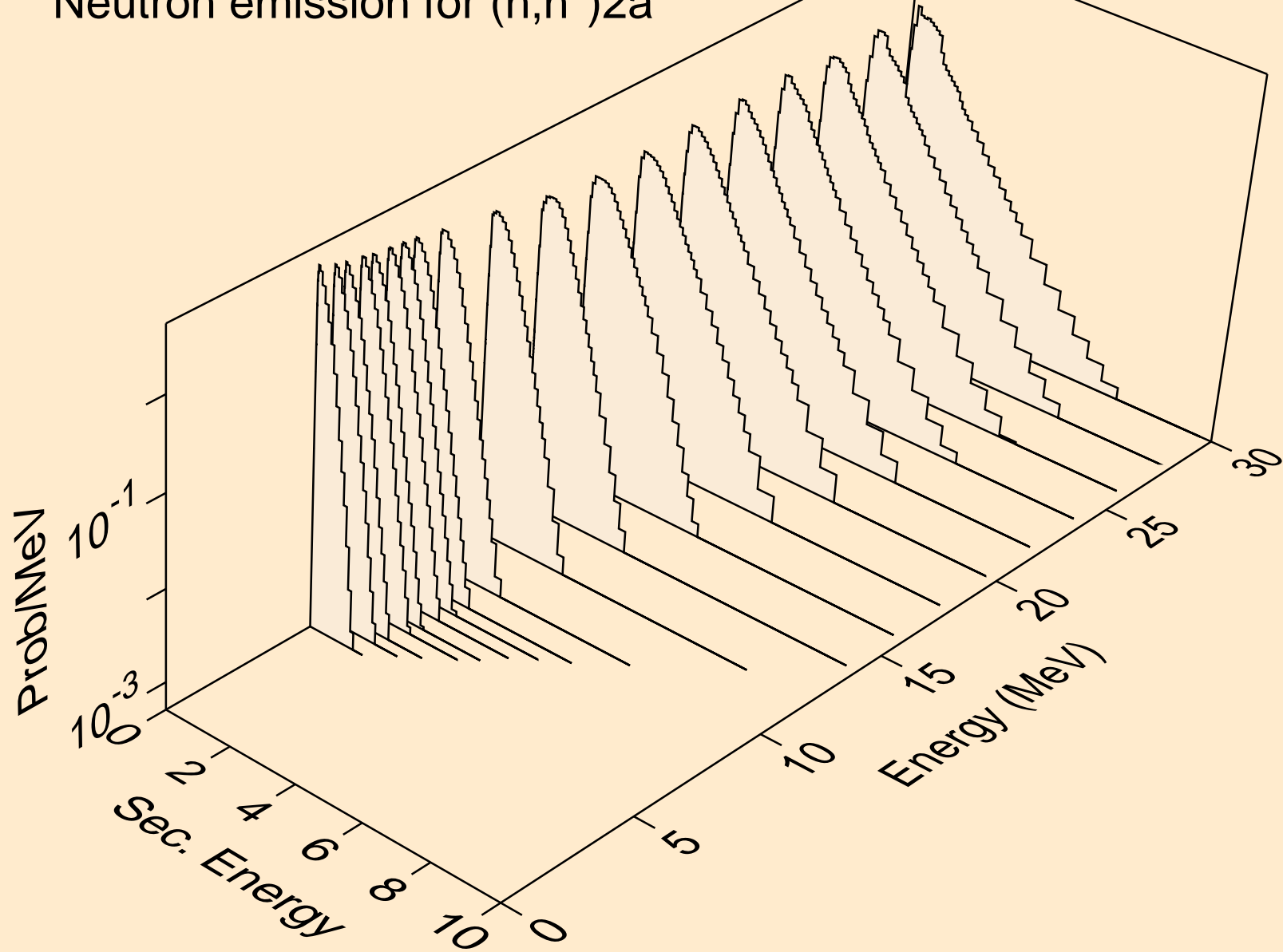
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Neutron emission for (n,3n)a



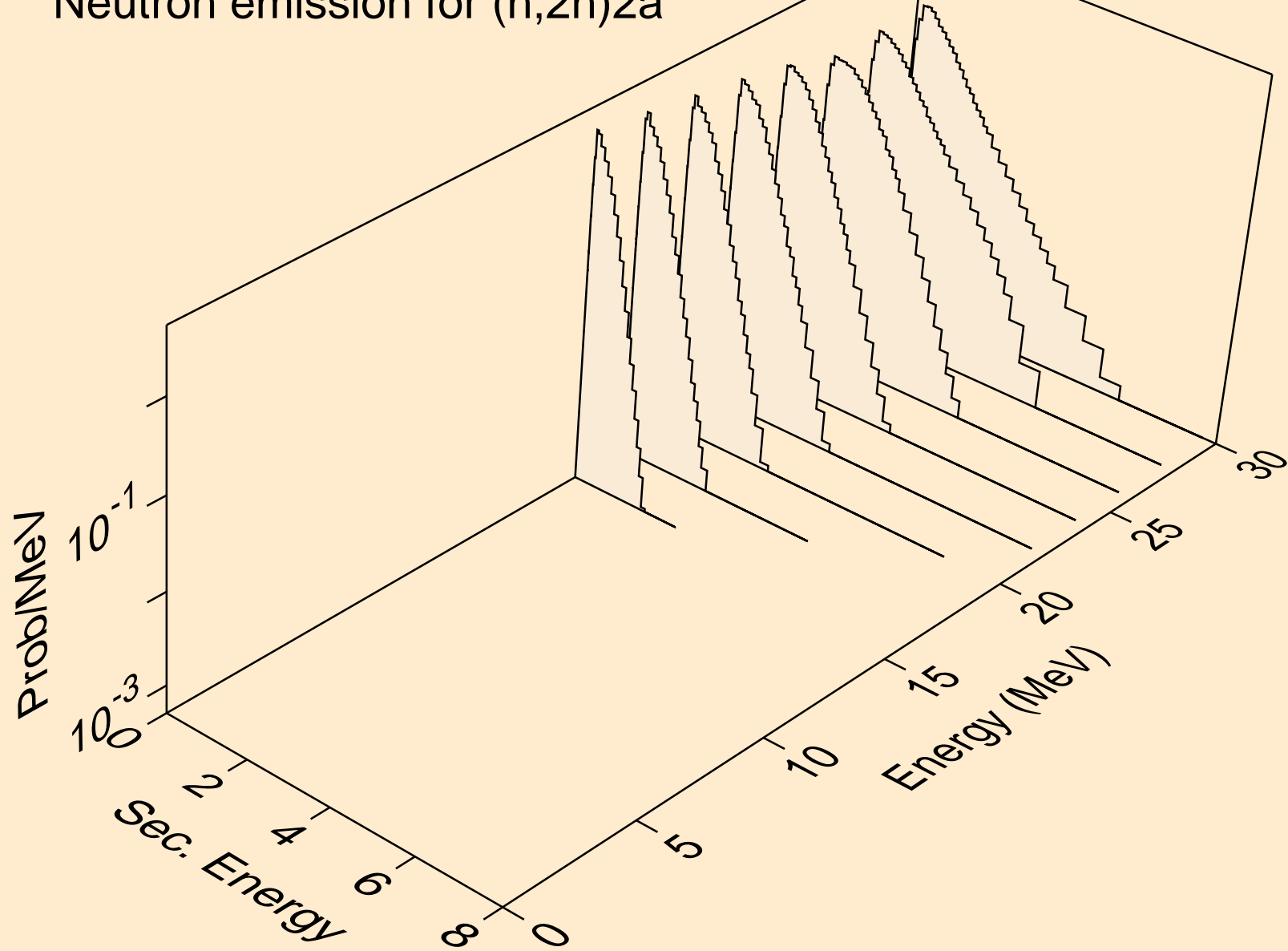
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Neutron emission for (n,n\*)p



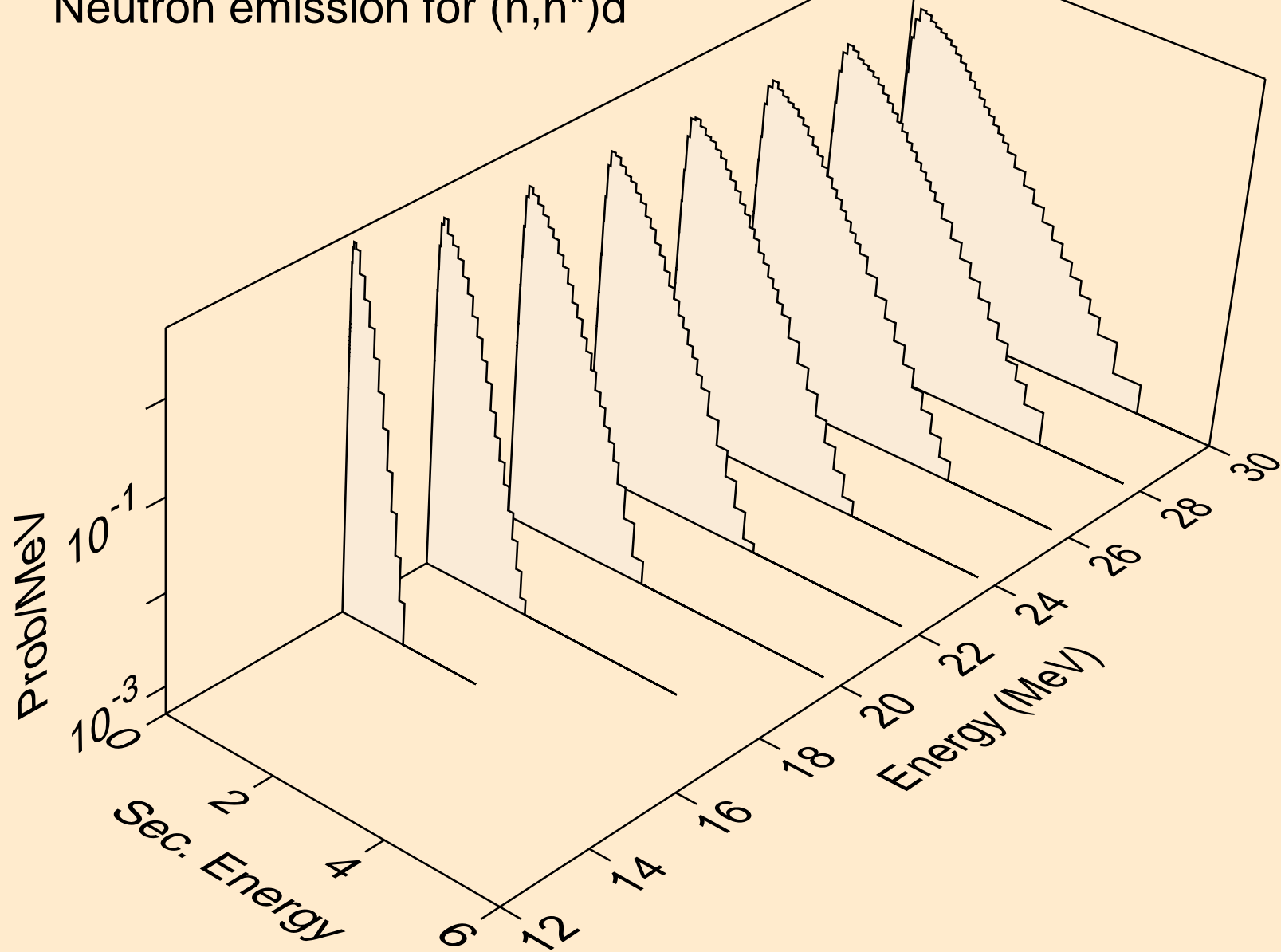
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Neutron emission for (n,n\*)2a



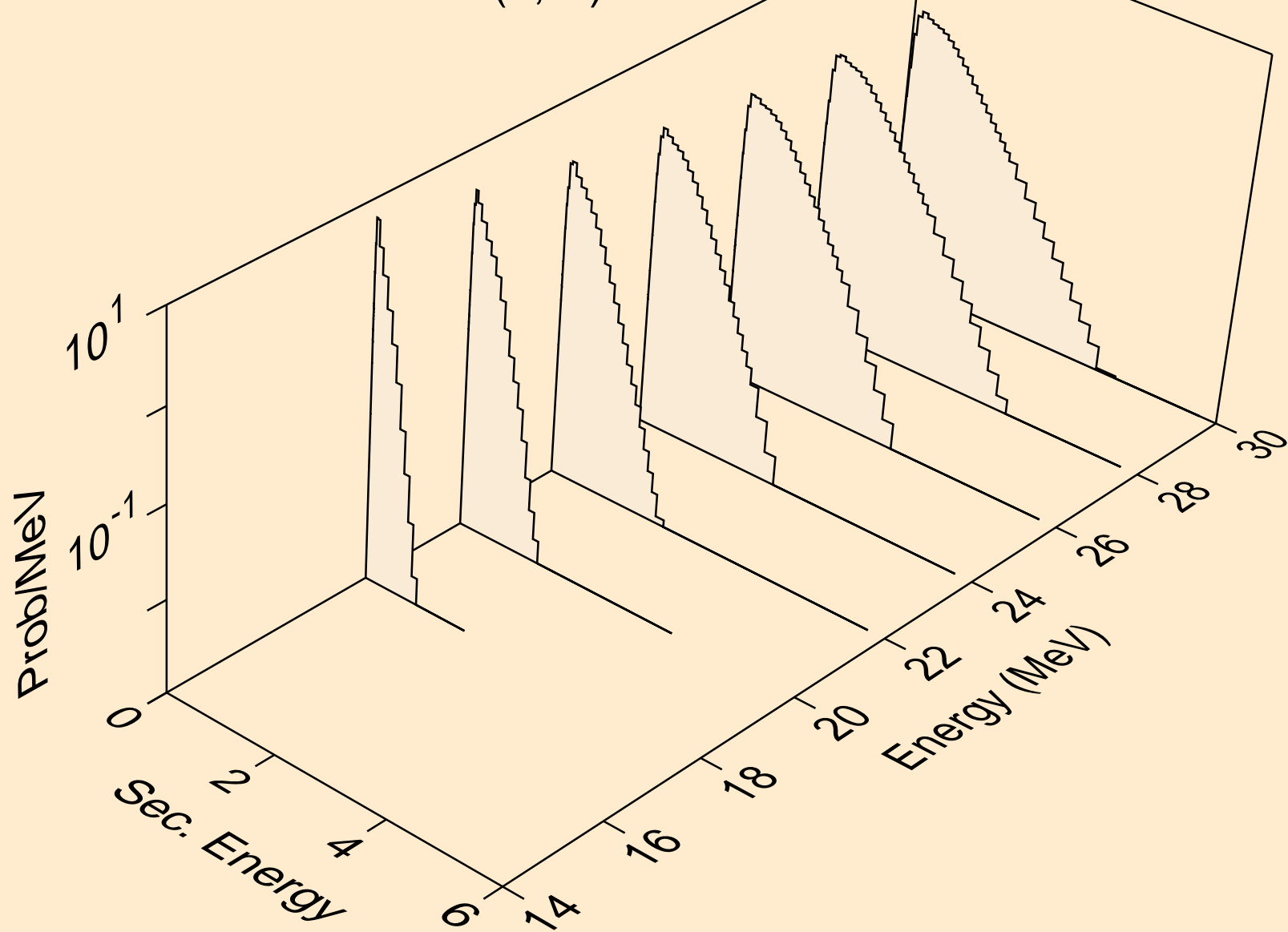
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Neutron emission for (n,2n)2a



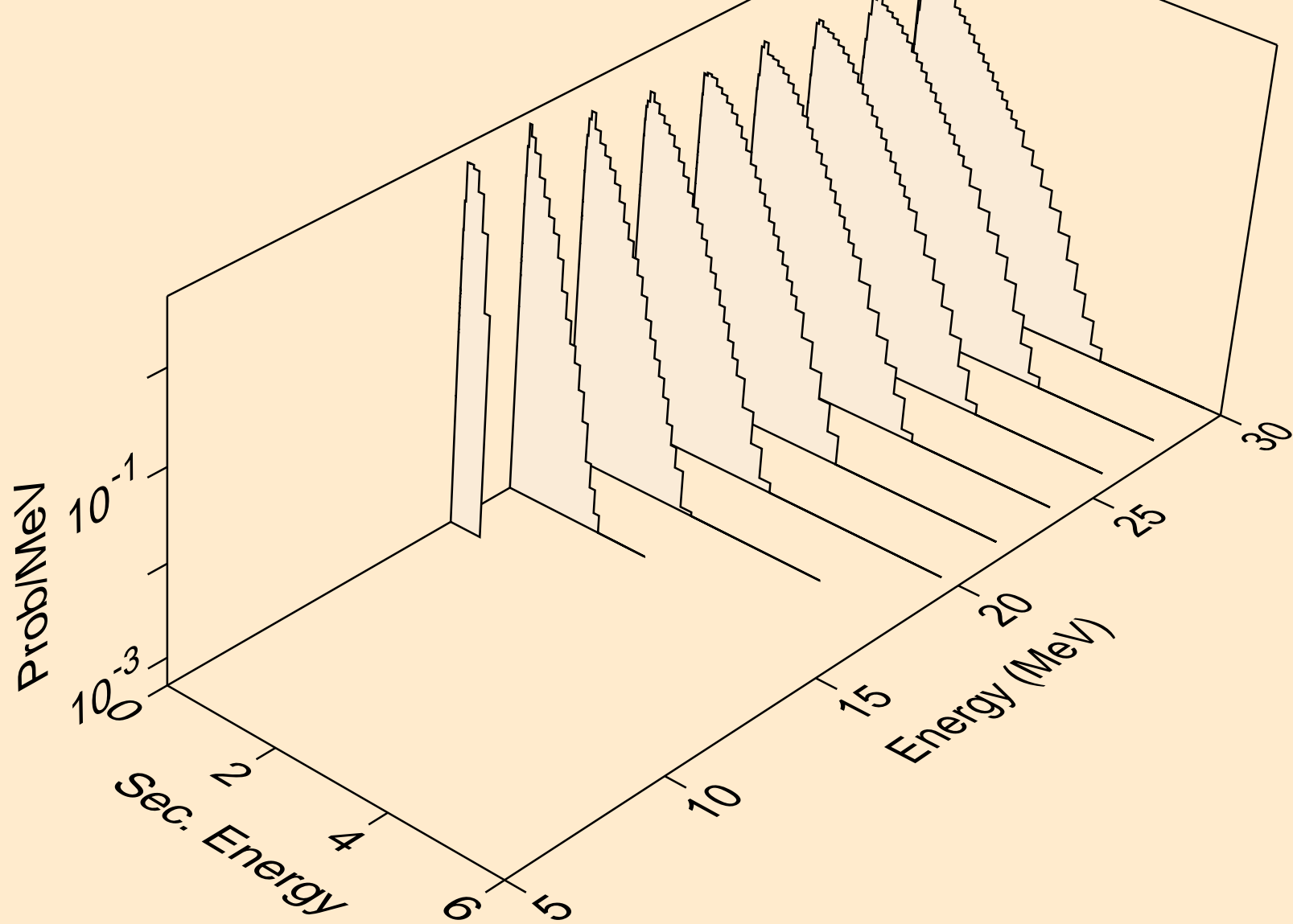
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Neutron emission for (n,n\*)d



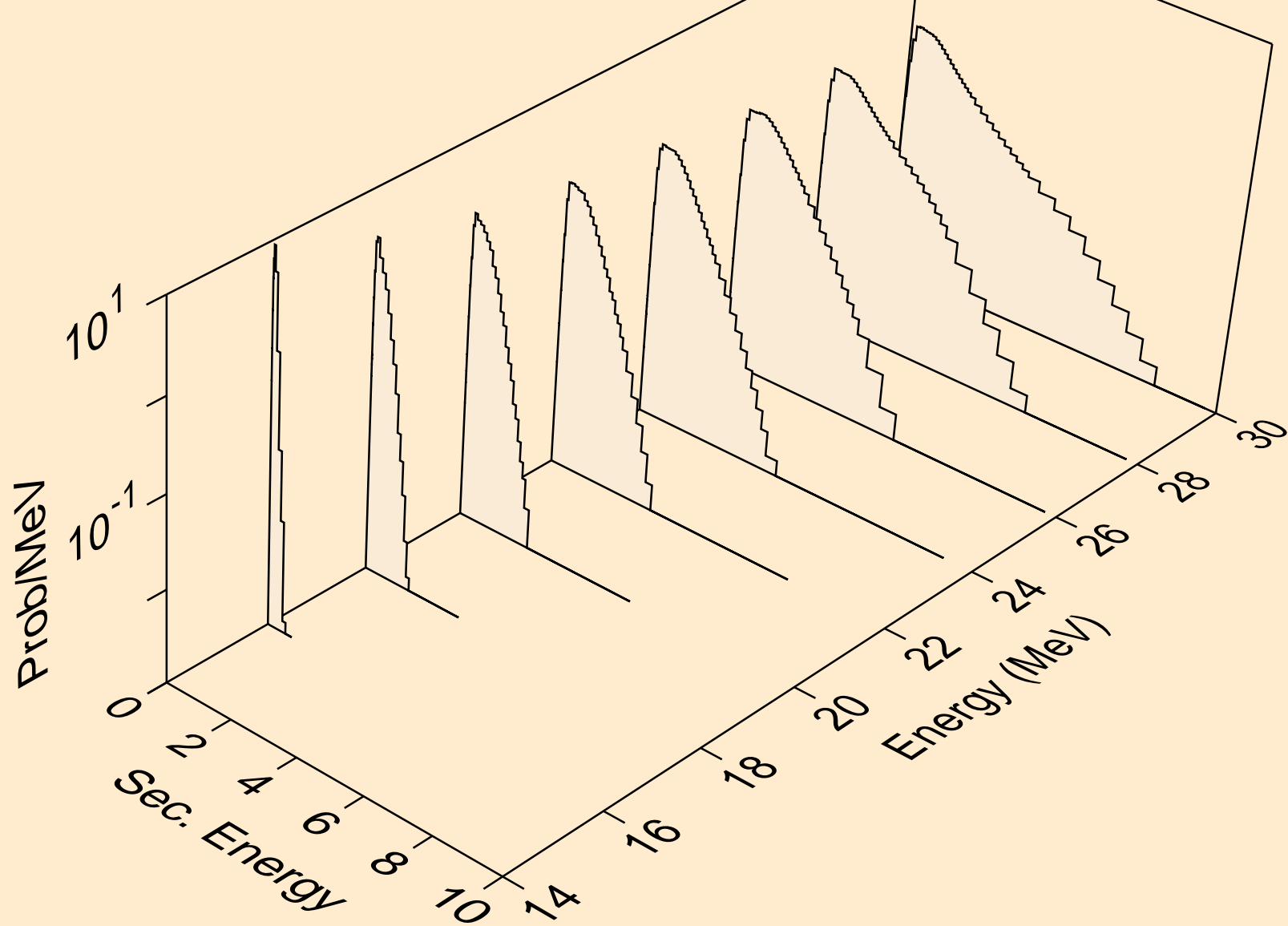
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Neutron emission for (n,n\*)t



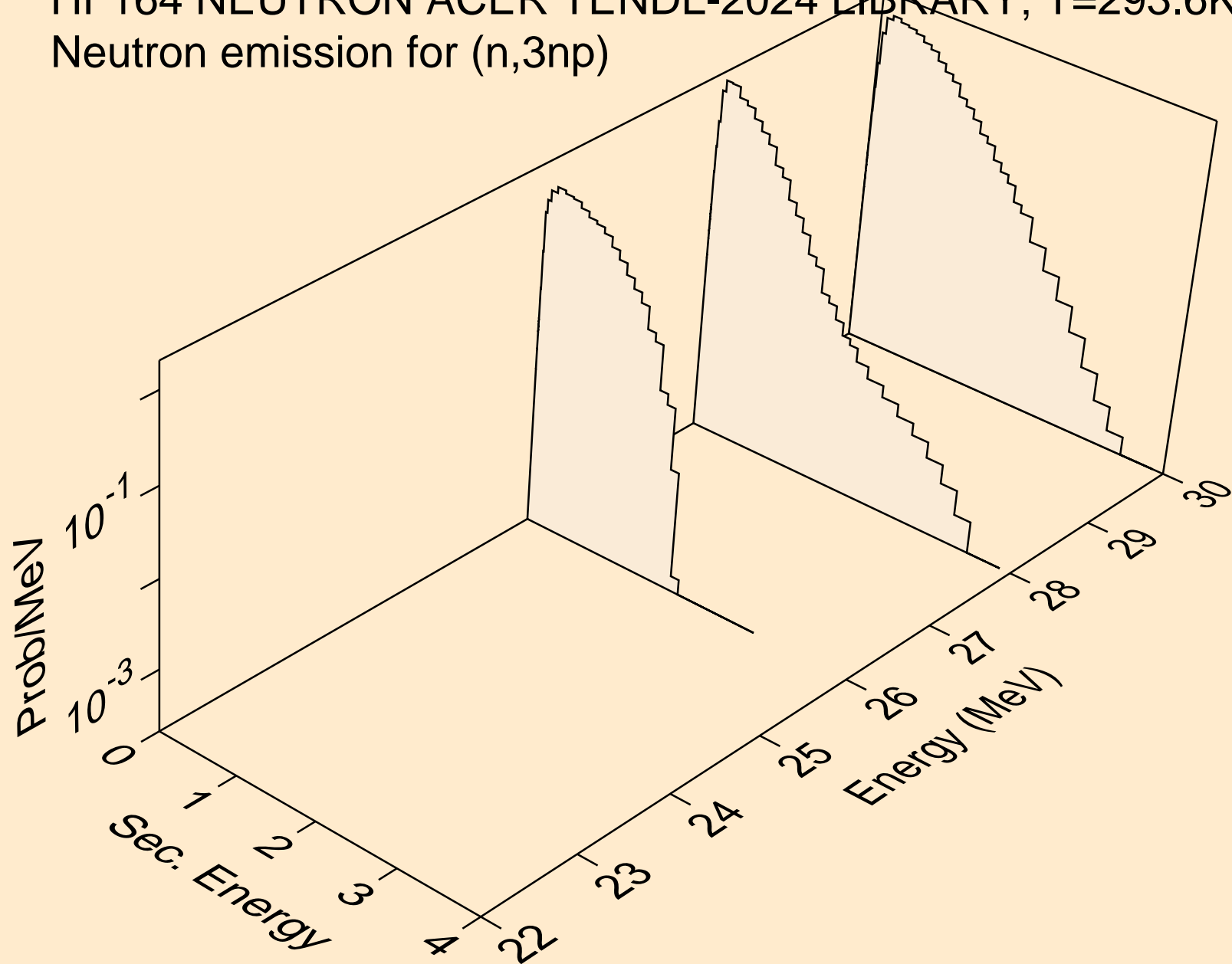
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Neutron emission for (n,n\*)he3



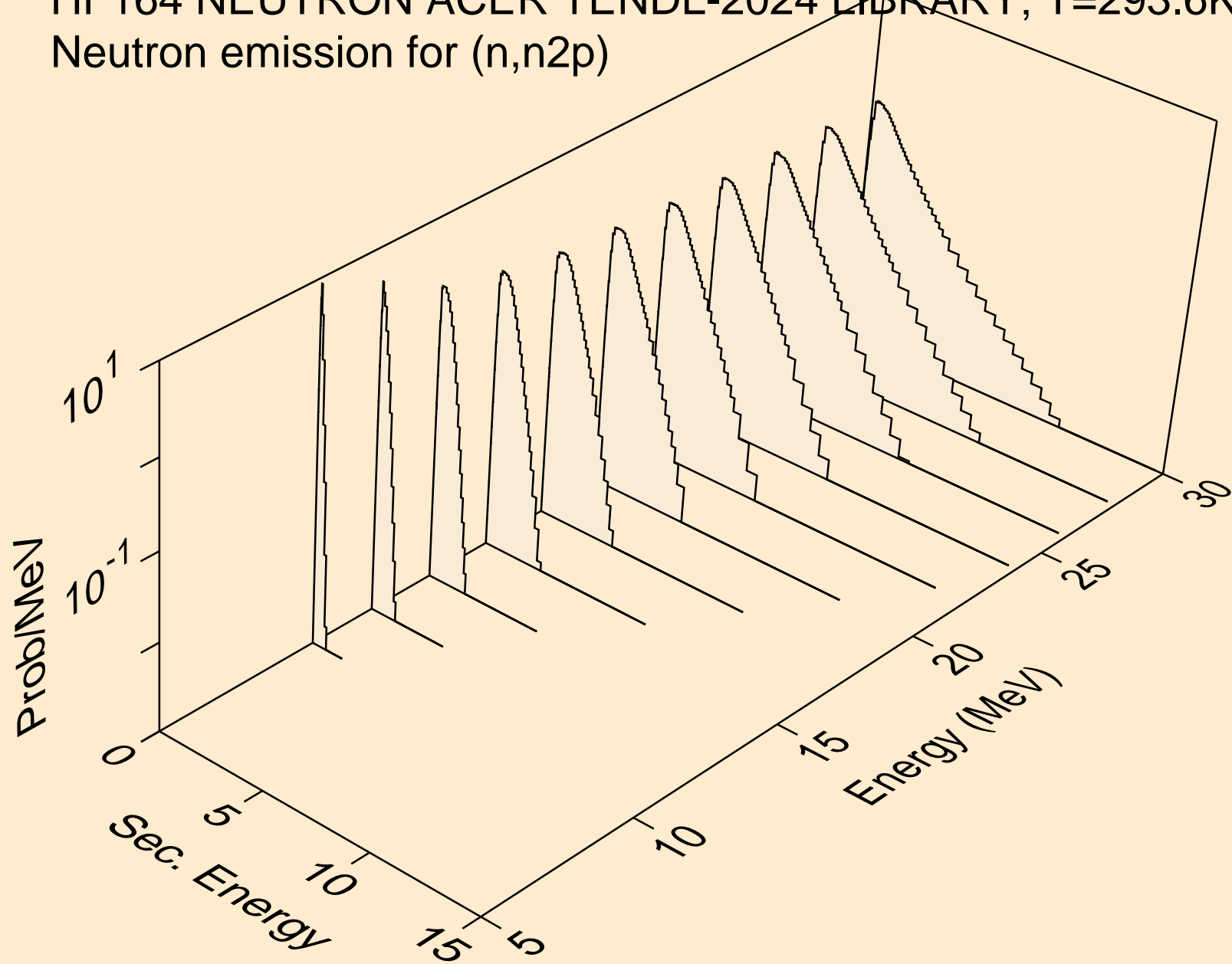
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Neutron emission for (n,2np)



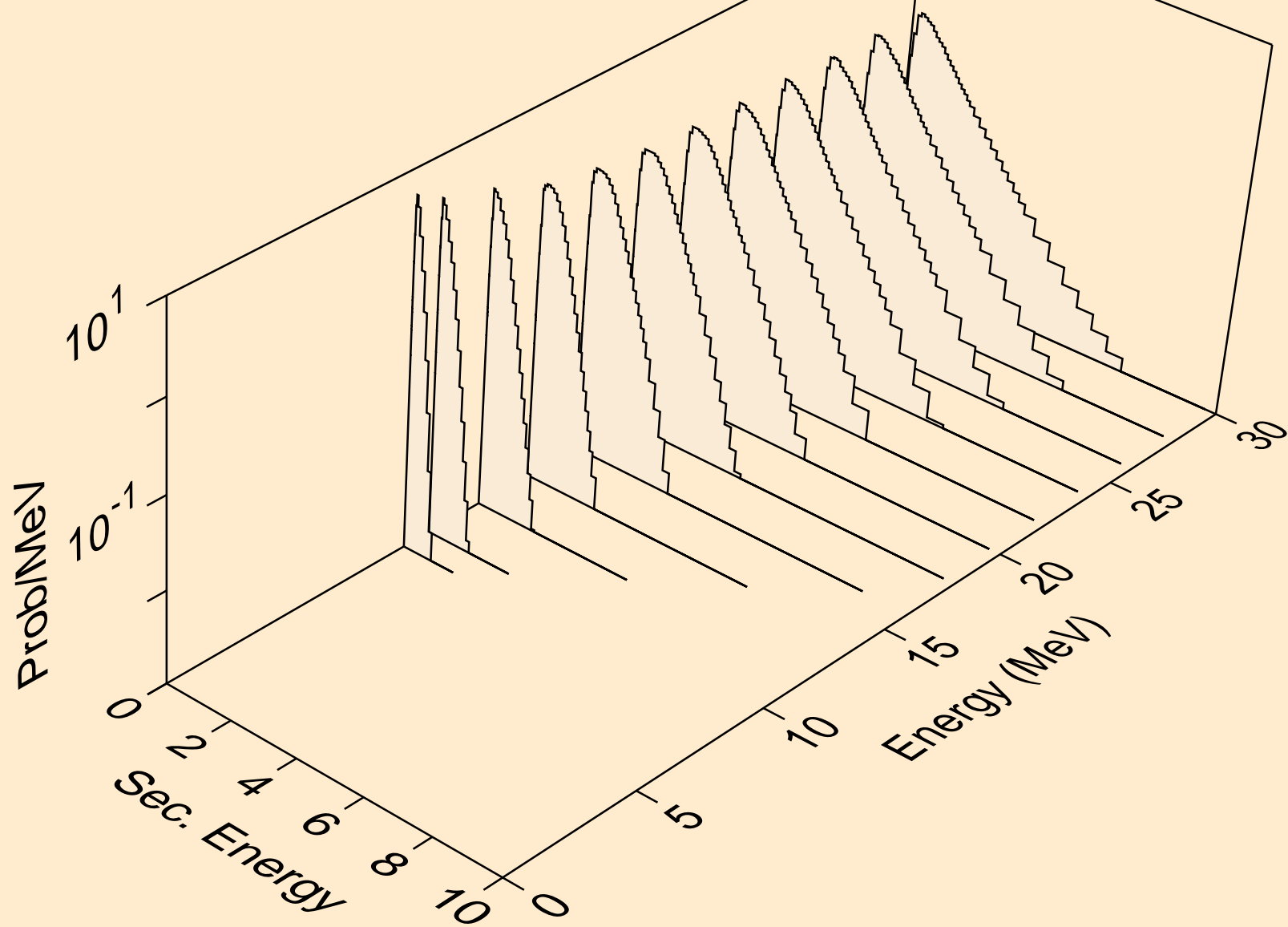
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Neutron emission for (n,3np)



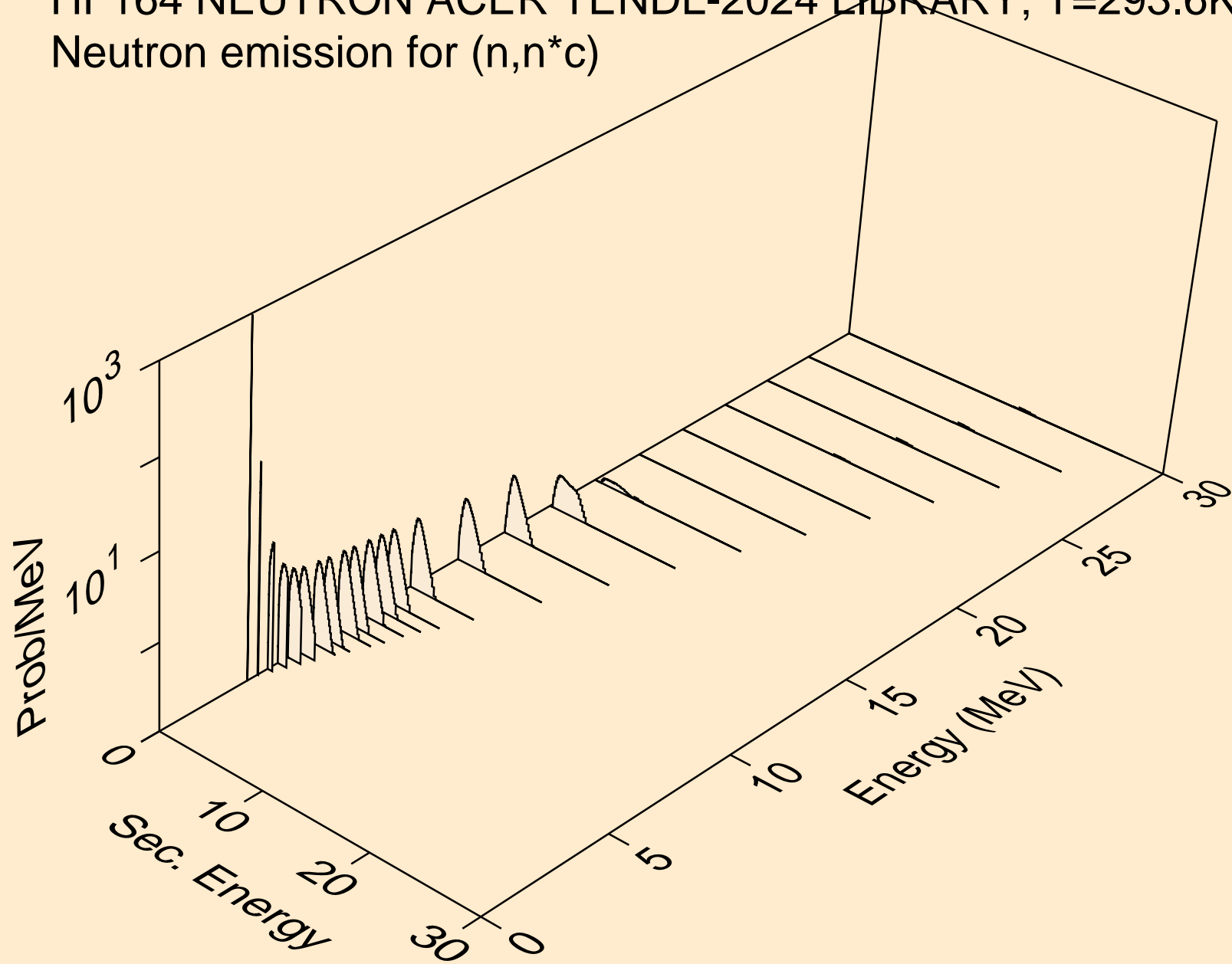
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Neutron emission for (n,n2p)



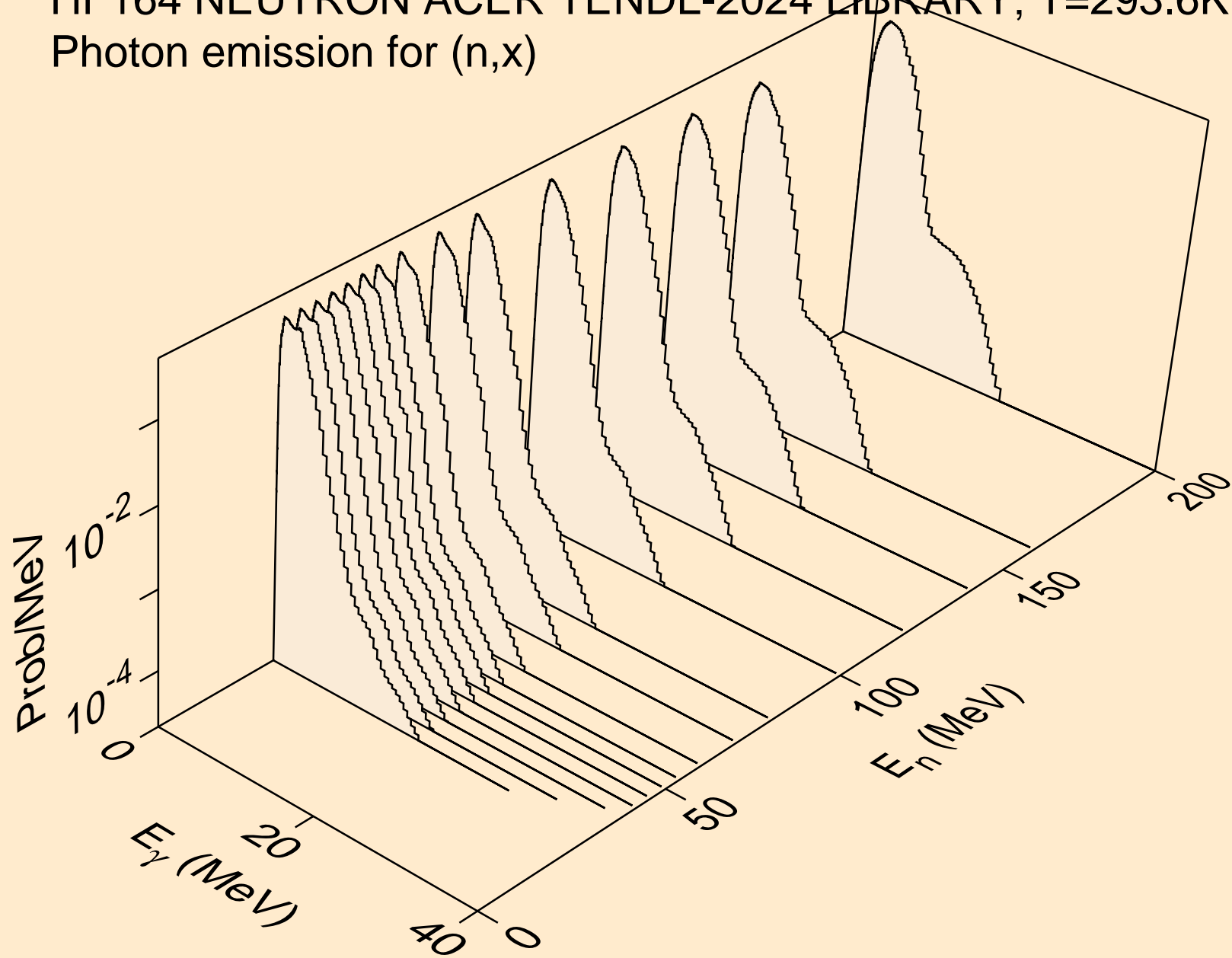
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Neutron emission for (n,npa)



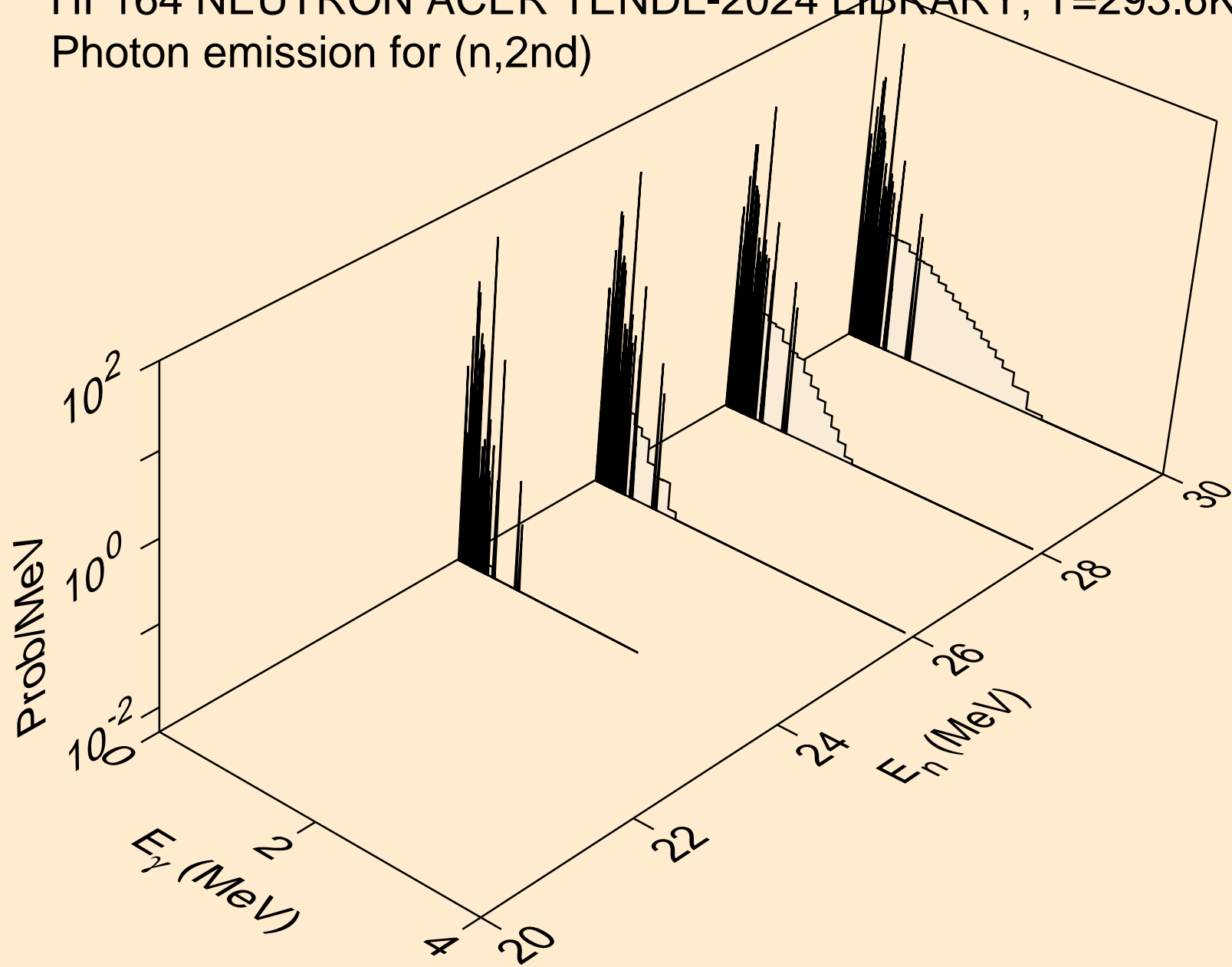
HF164 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*c)



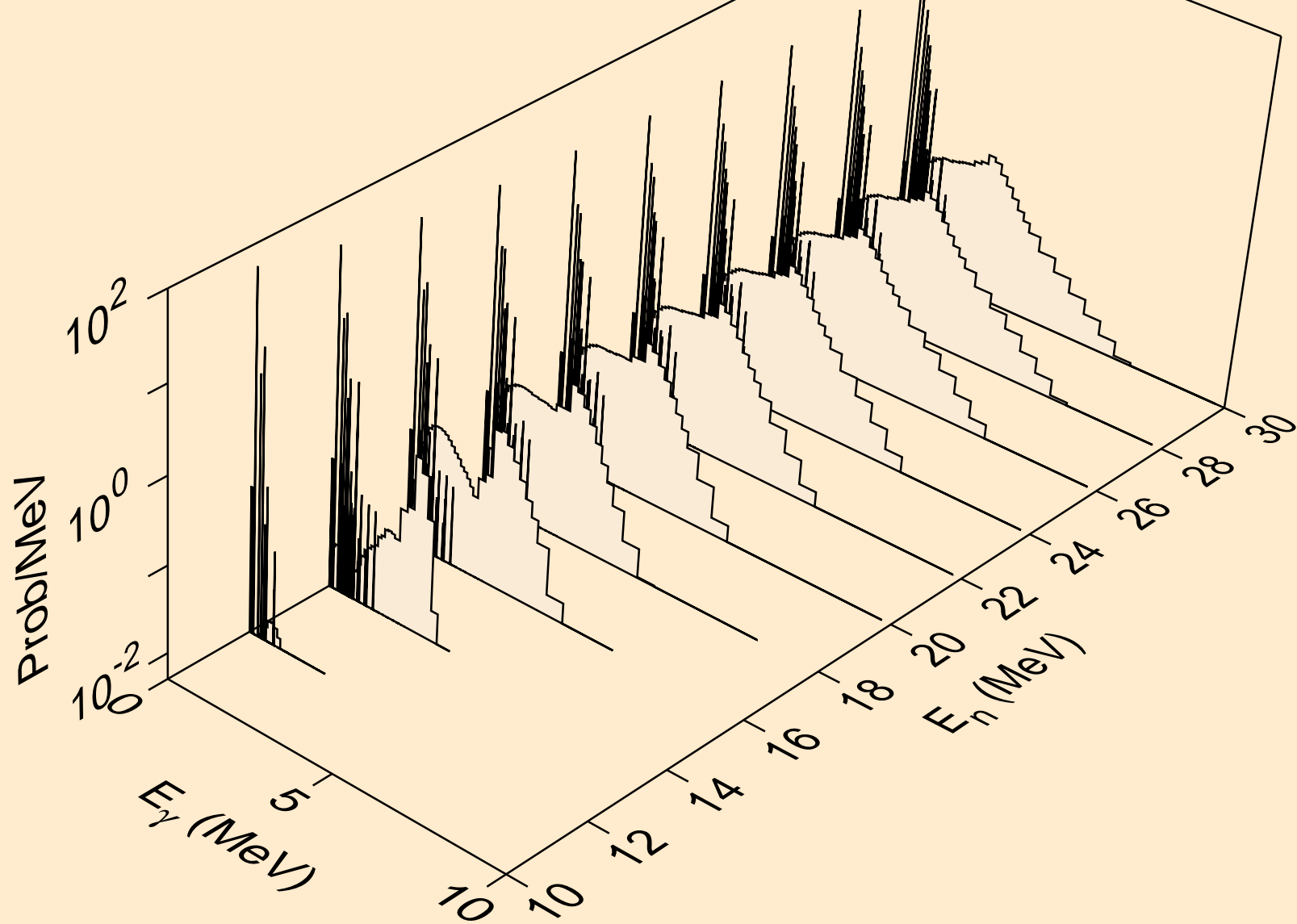
HF164 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,x)



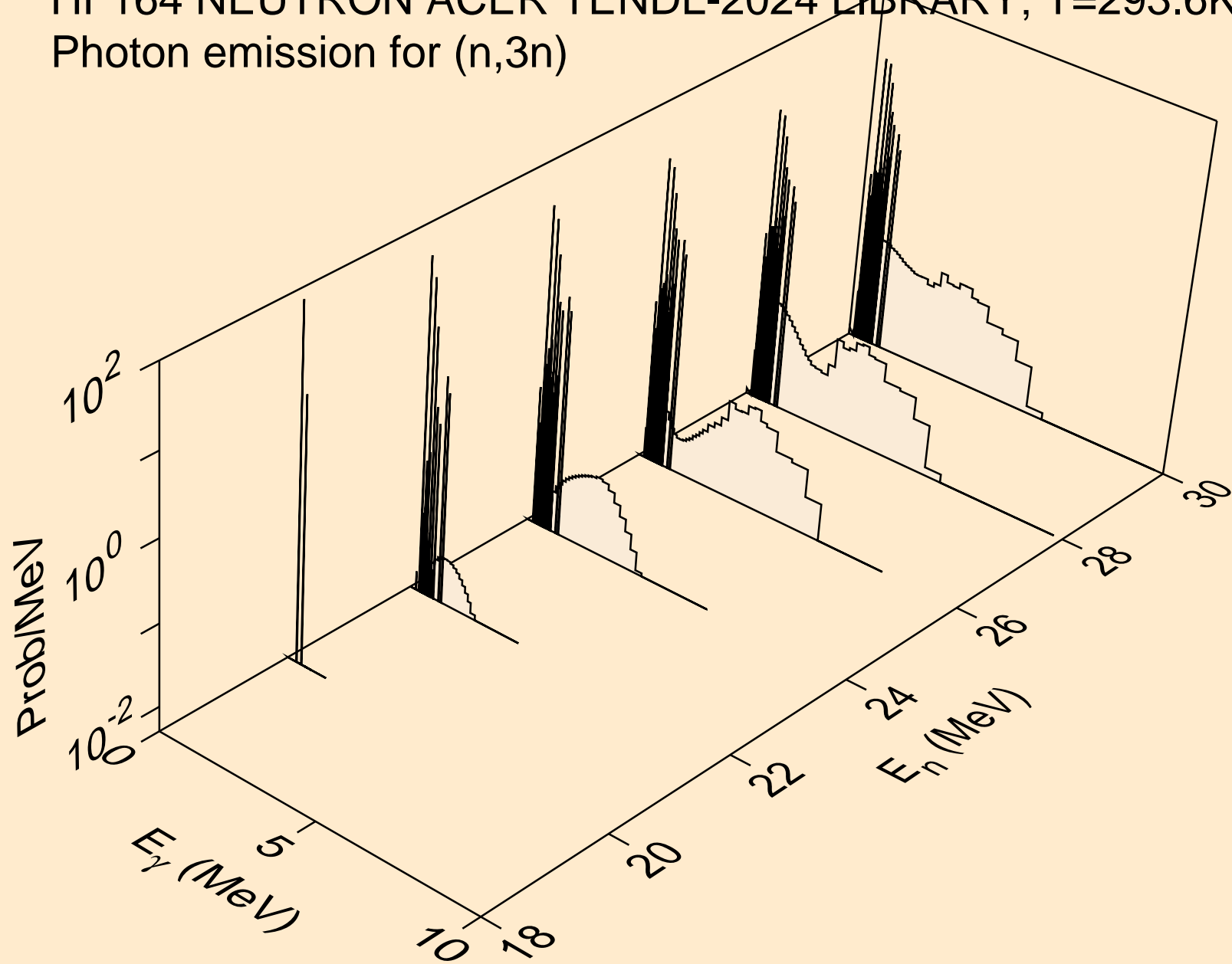
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Photon emission for (n,2nd)



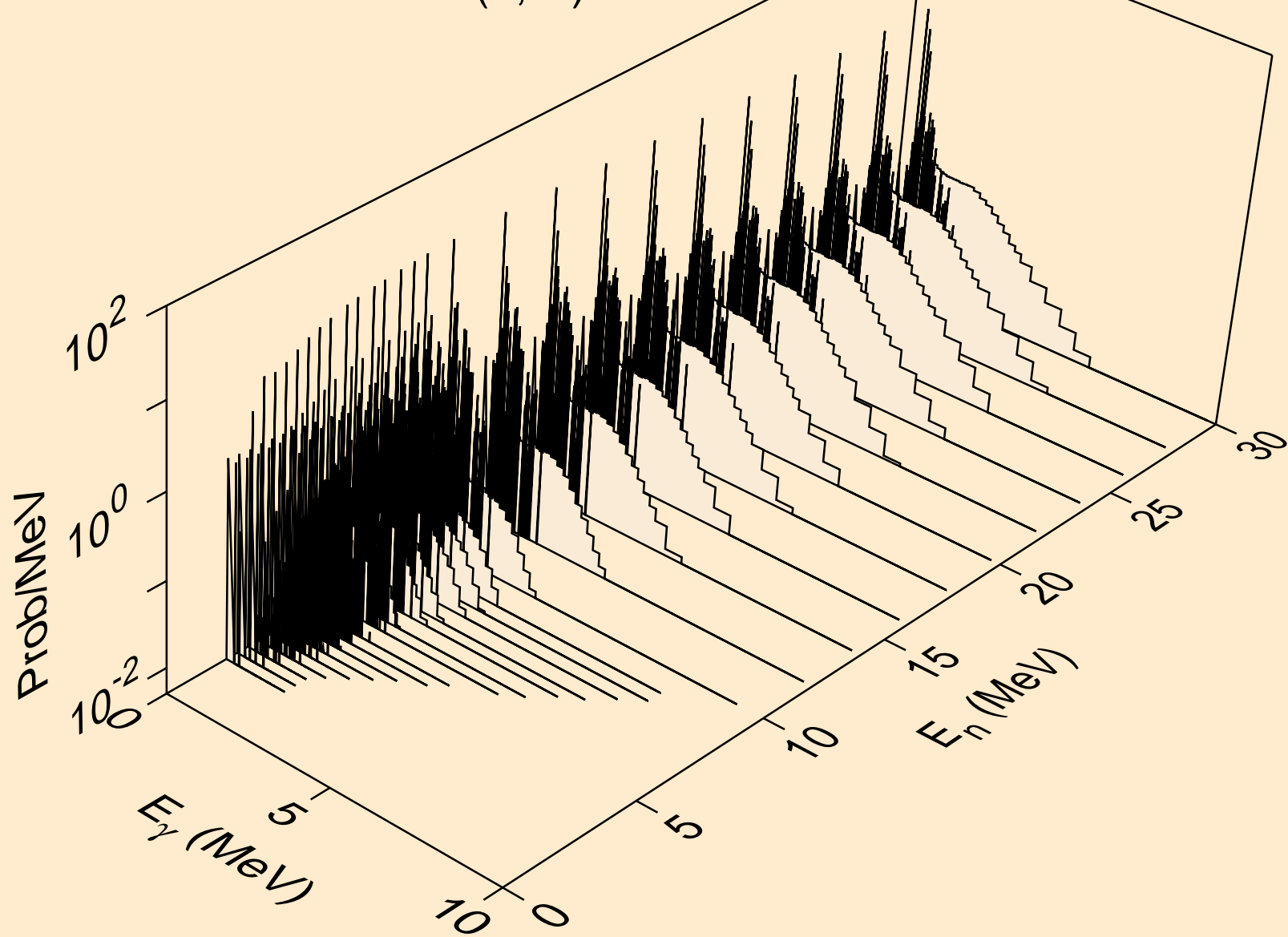
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Photon emission for (n,2n)



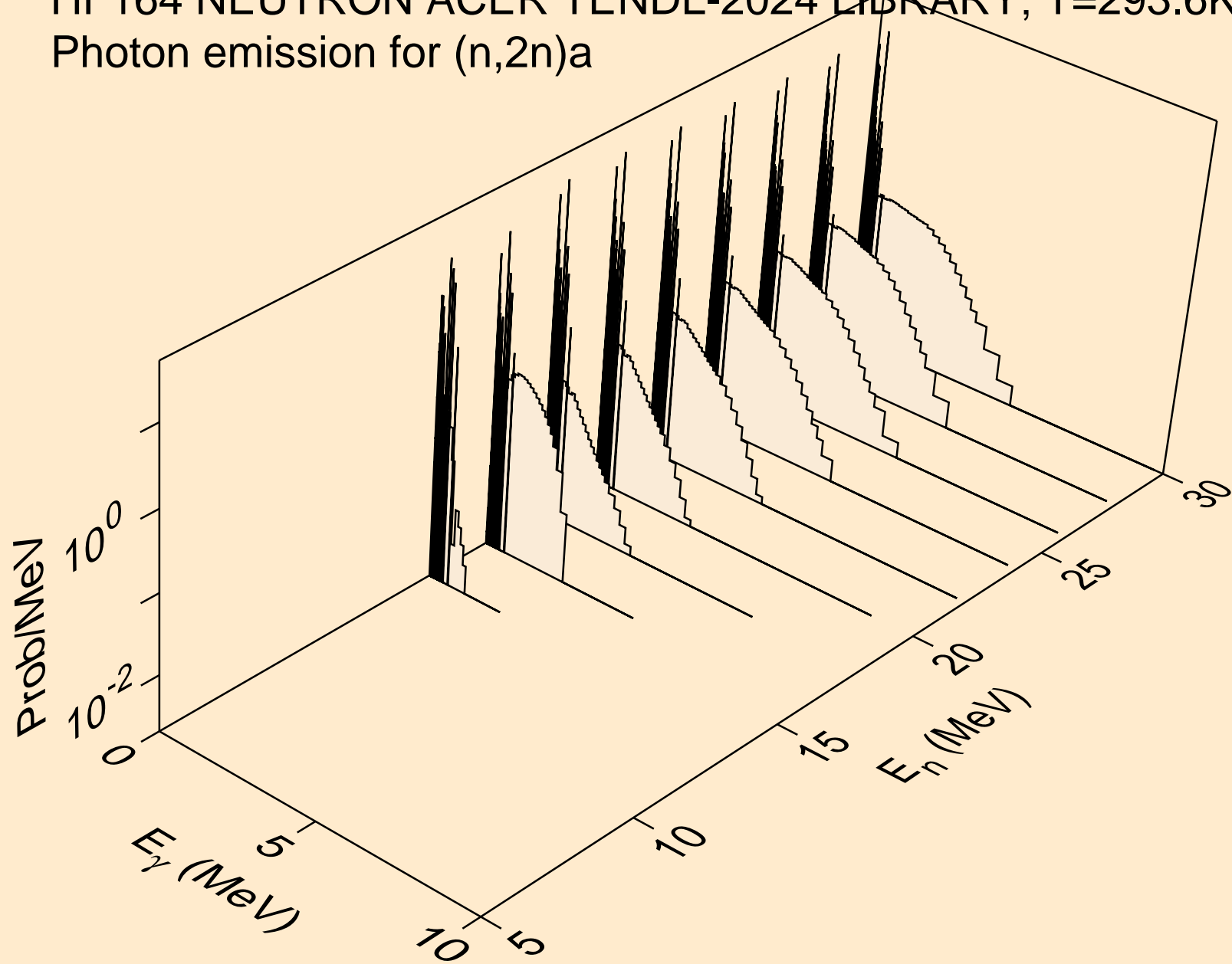
HF164 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,3n)



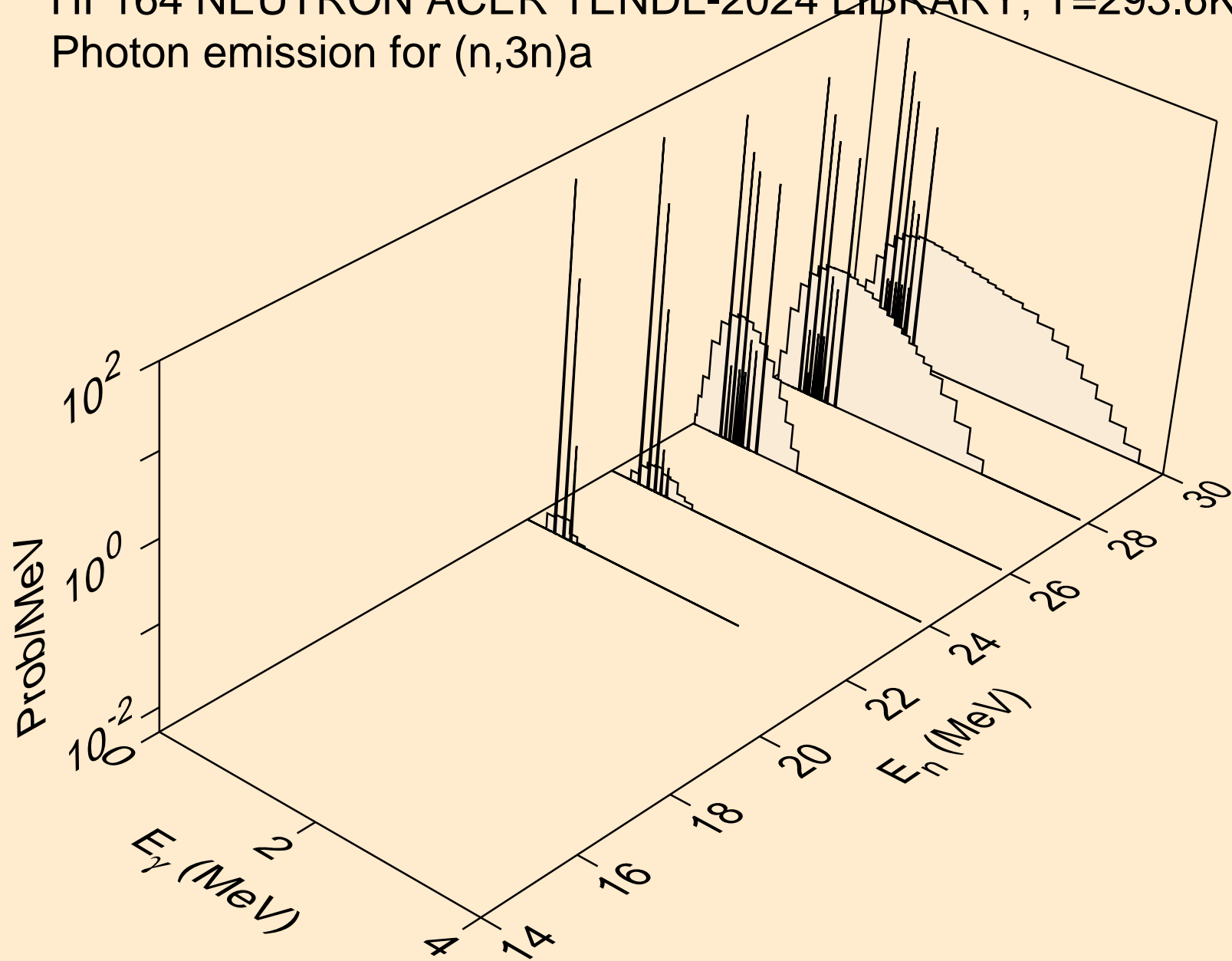
HF164 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*)a



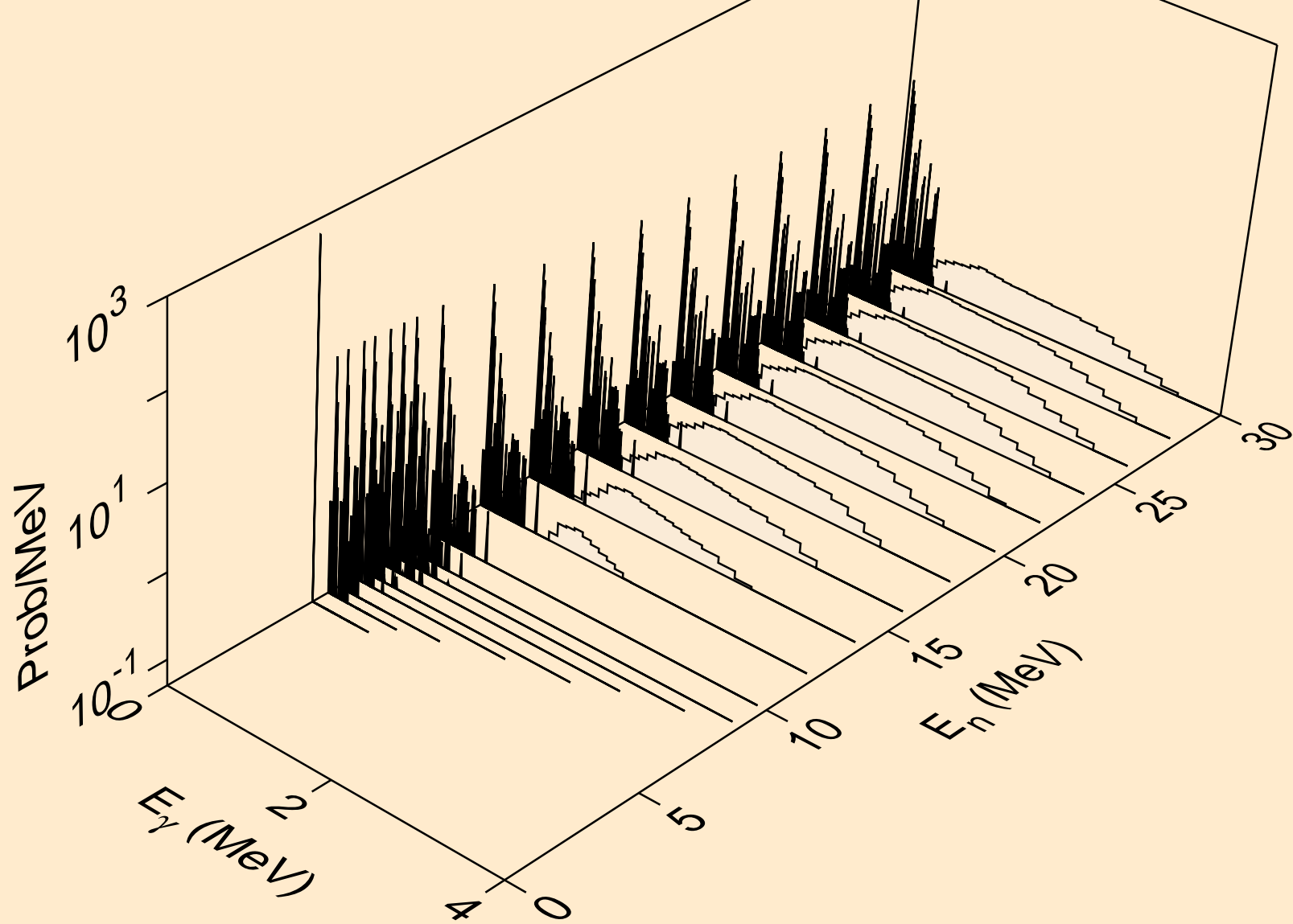
HF164 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,2n) $\alpha$



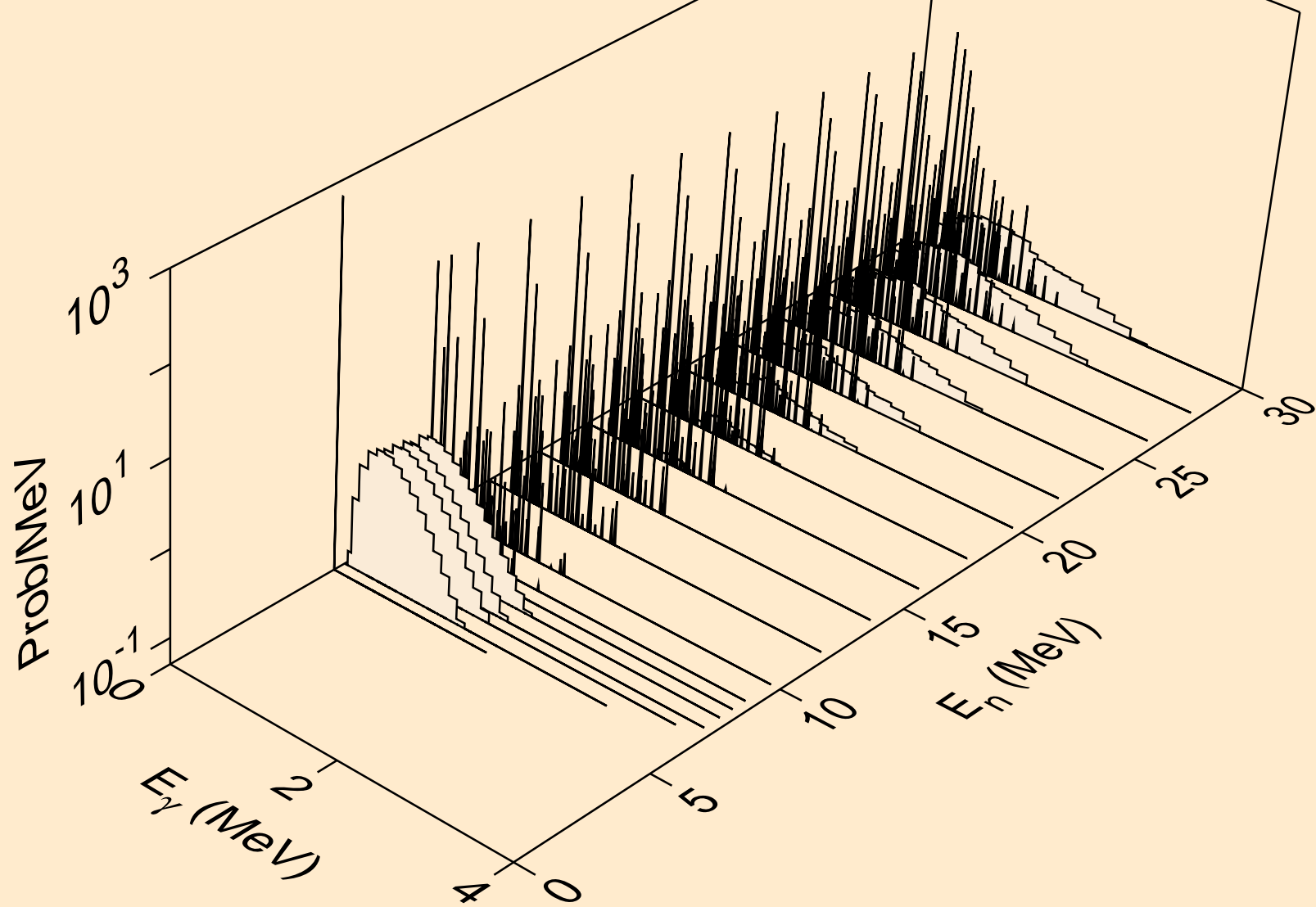
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Photon emission for (n,3n)a



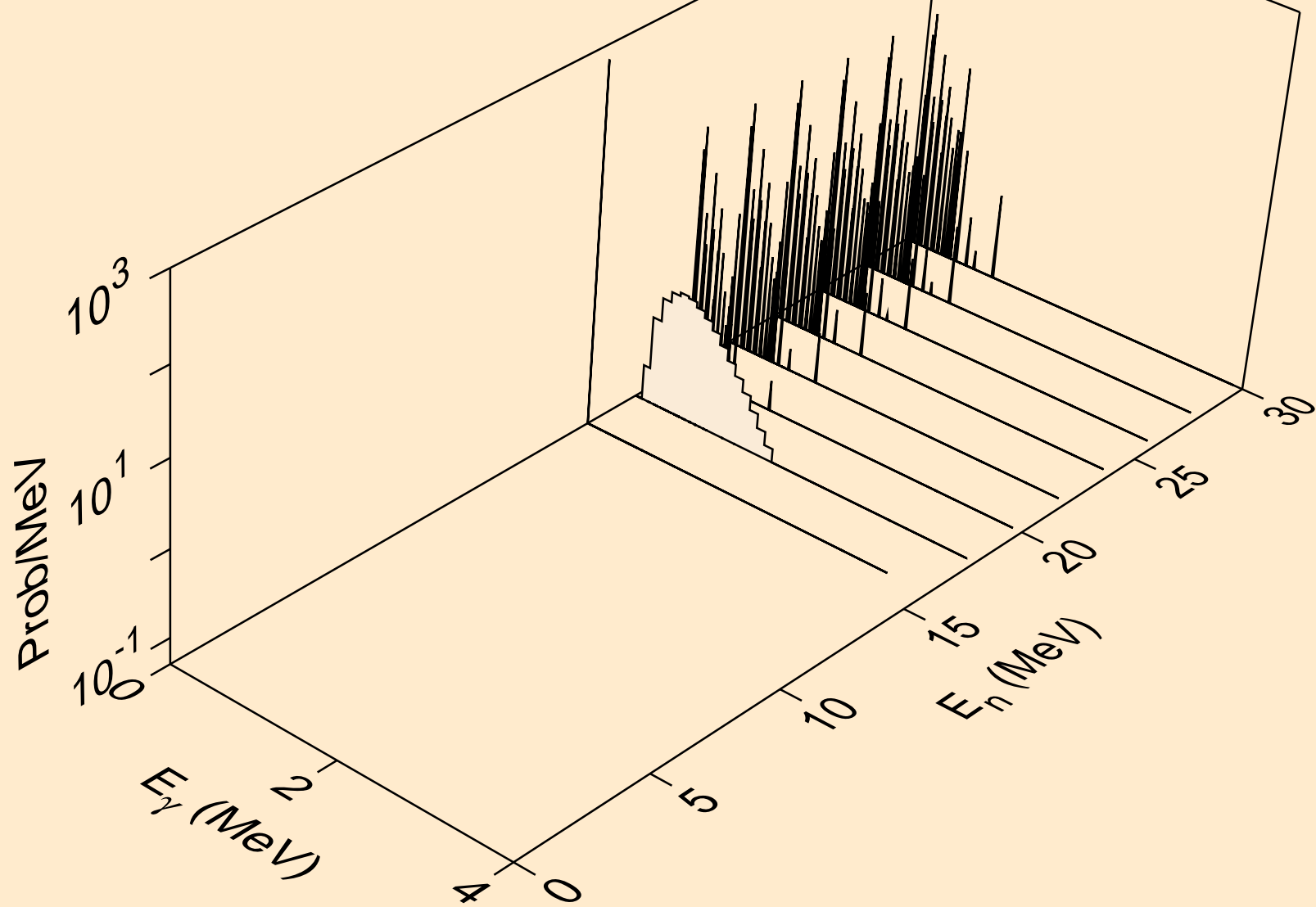
HF164 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*)p



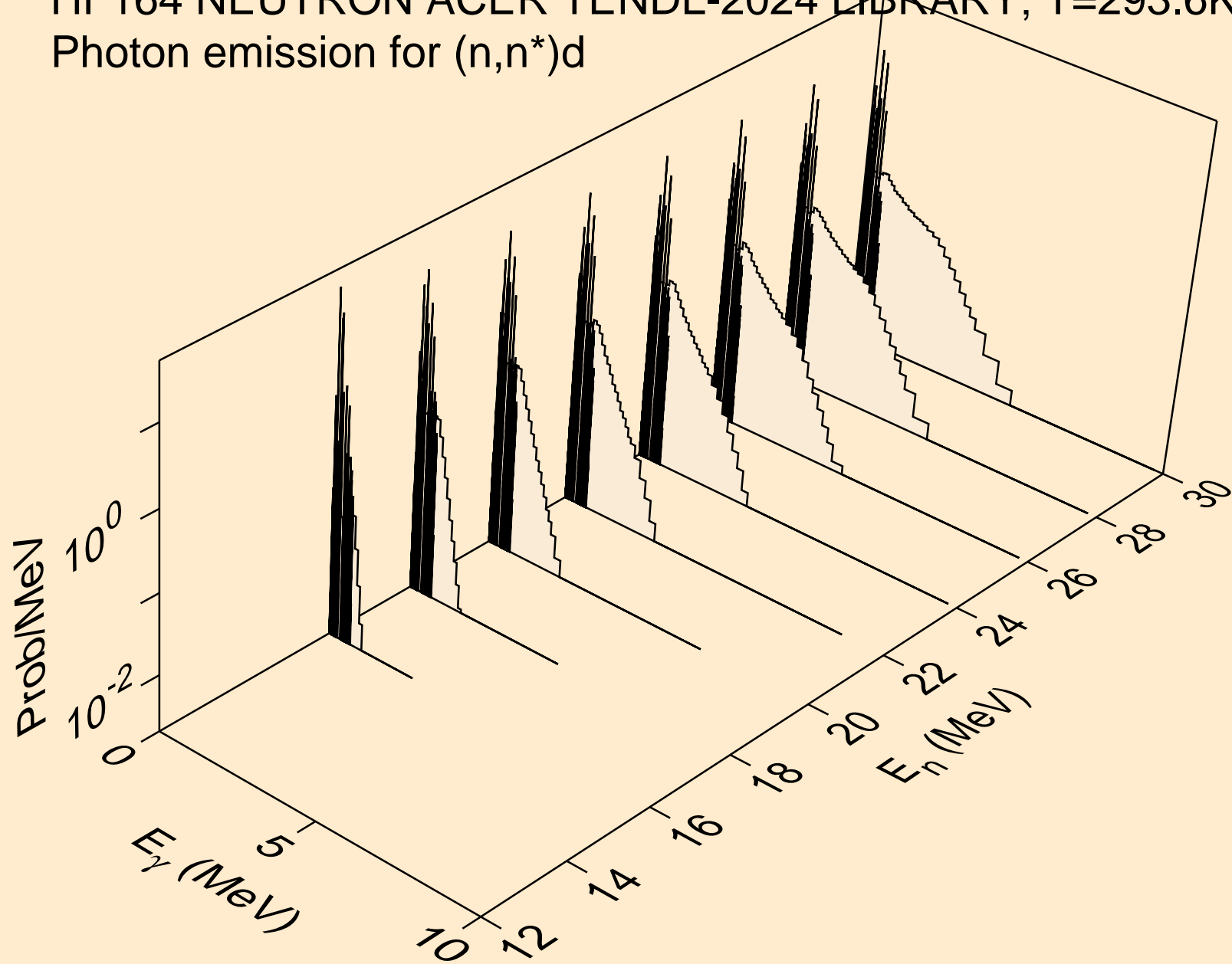
HF164 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*)2a



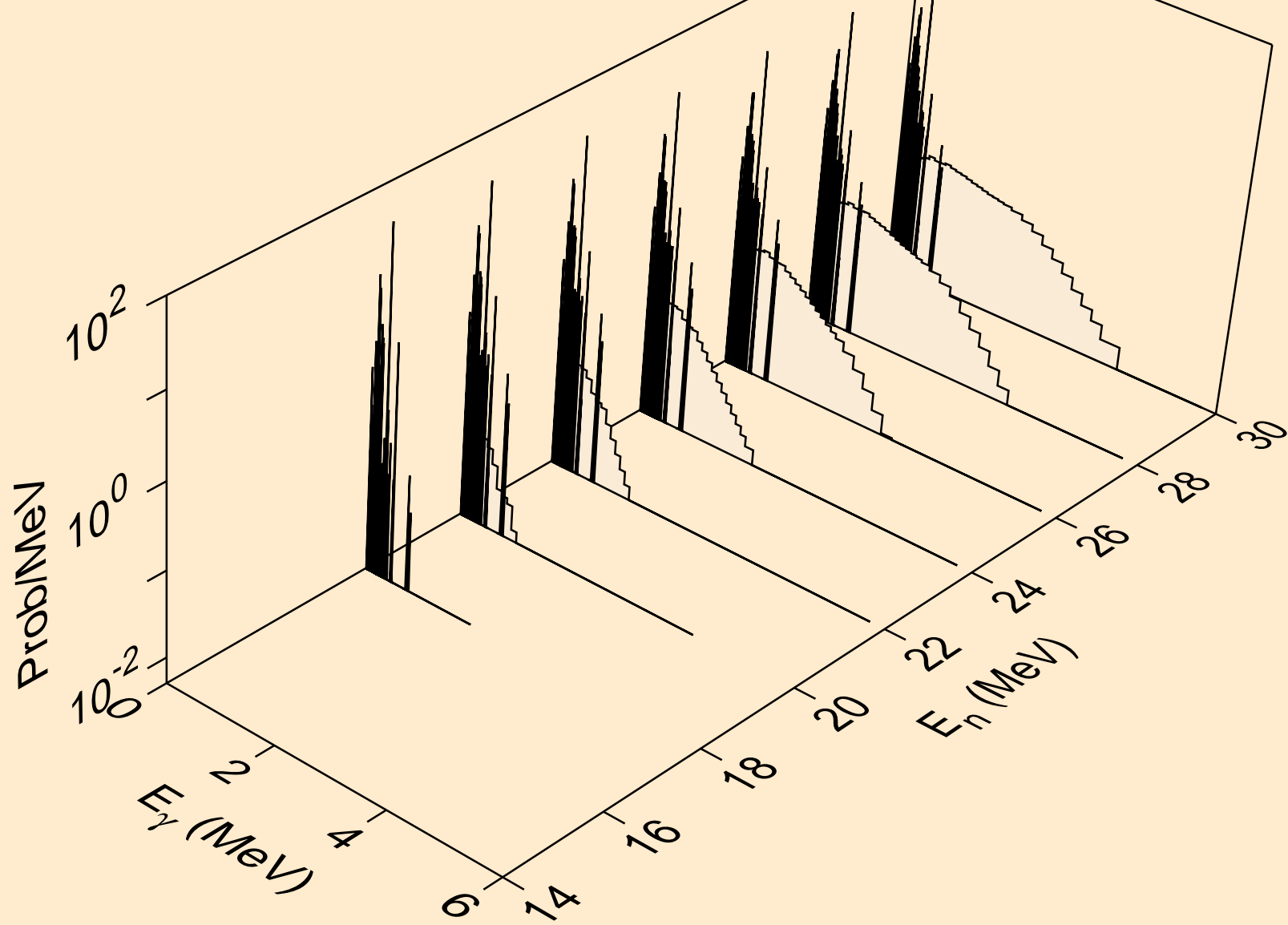
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Photon emission for (n,2n)2a



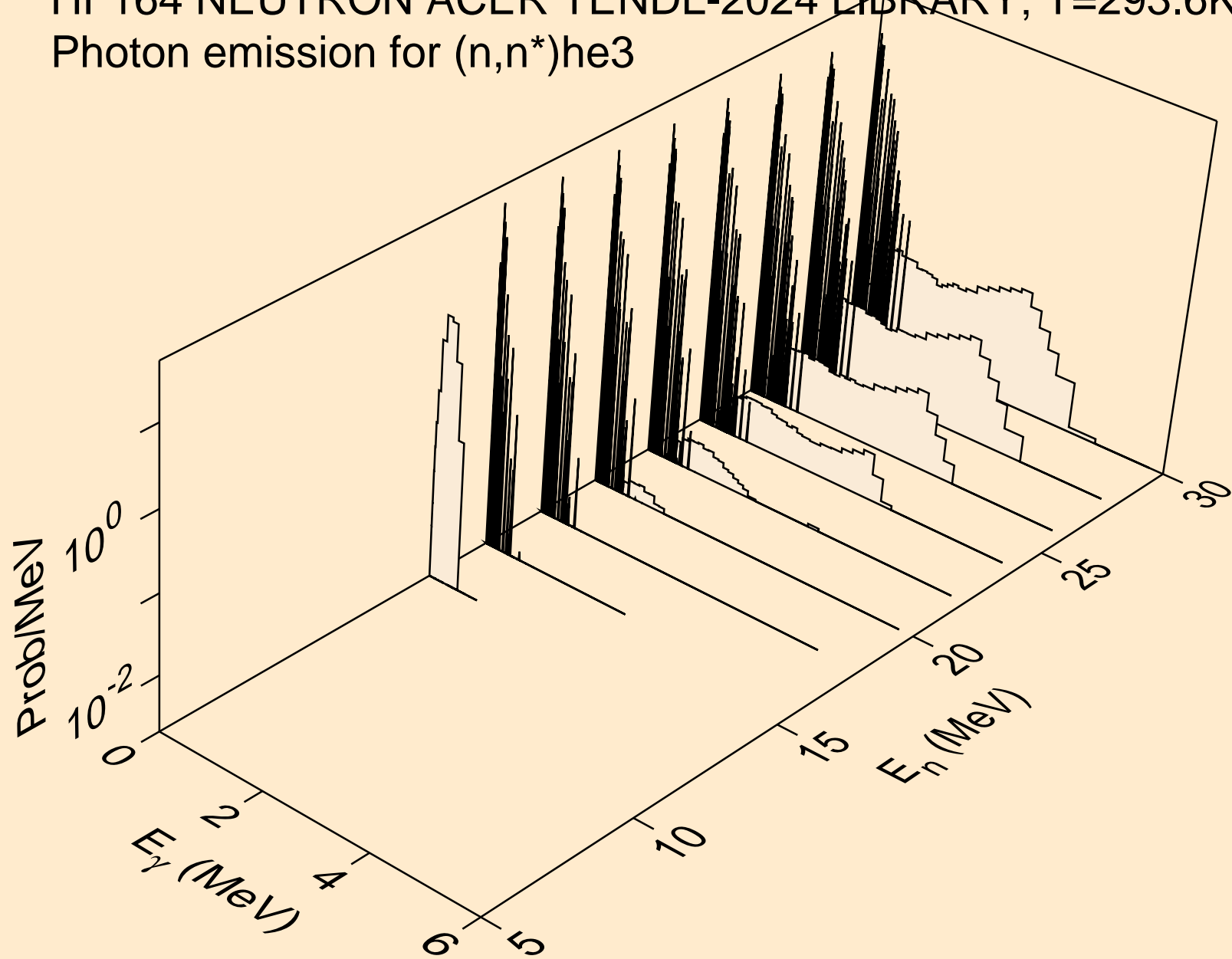
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Photon emission for (n,n\*)d



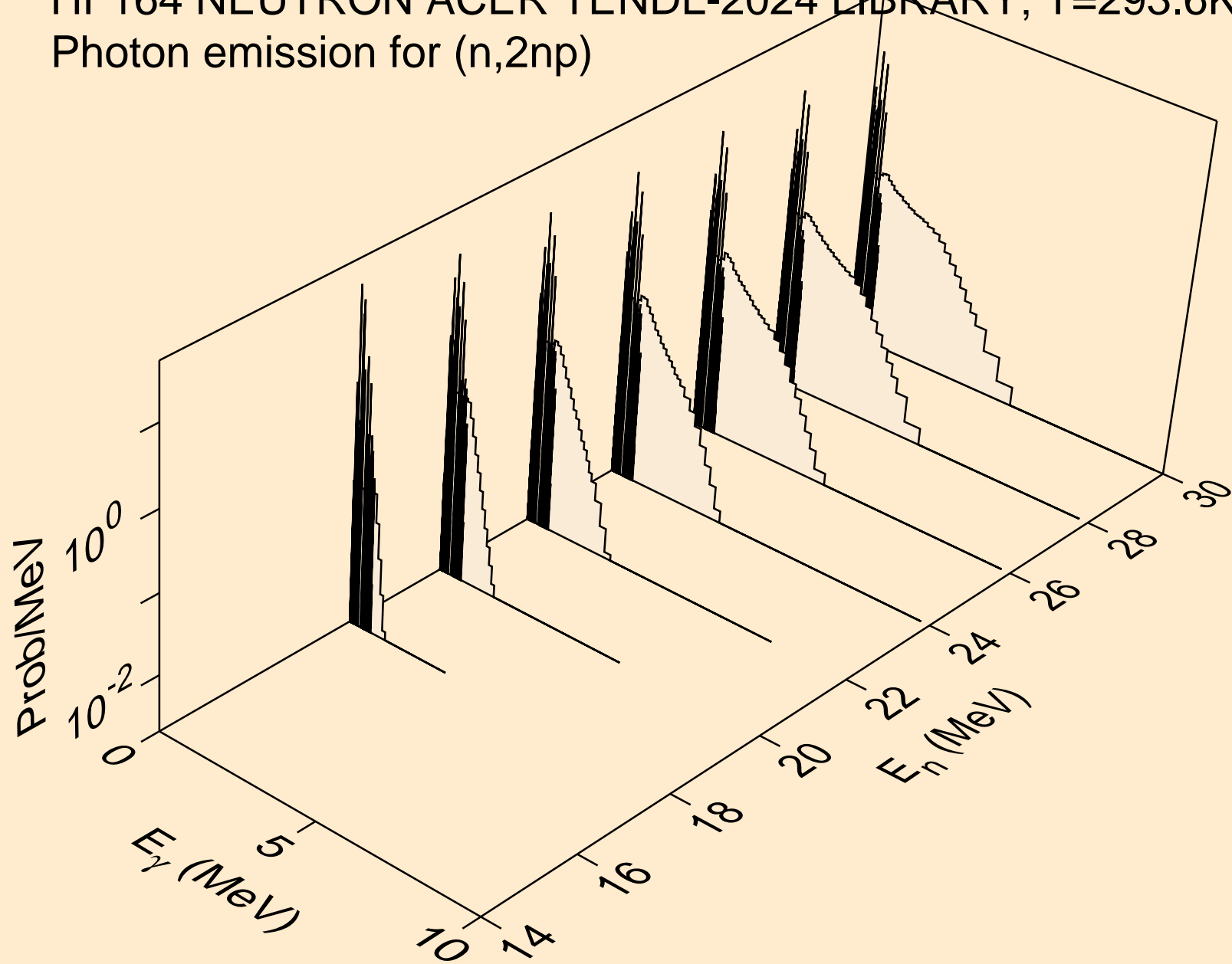
HF164 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*)t



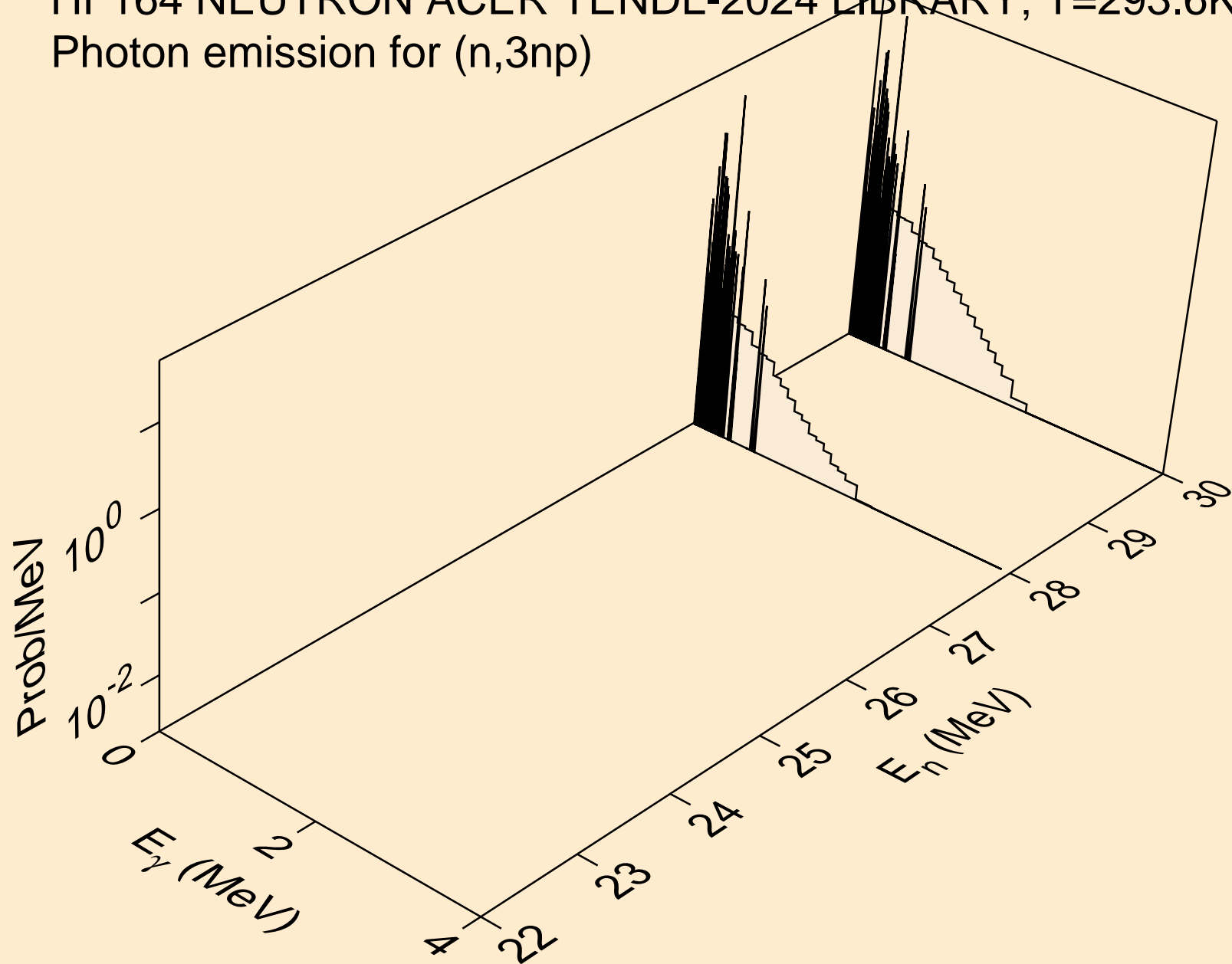
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Photon emission for (n,n\*)he3



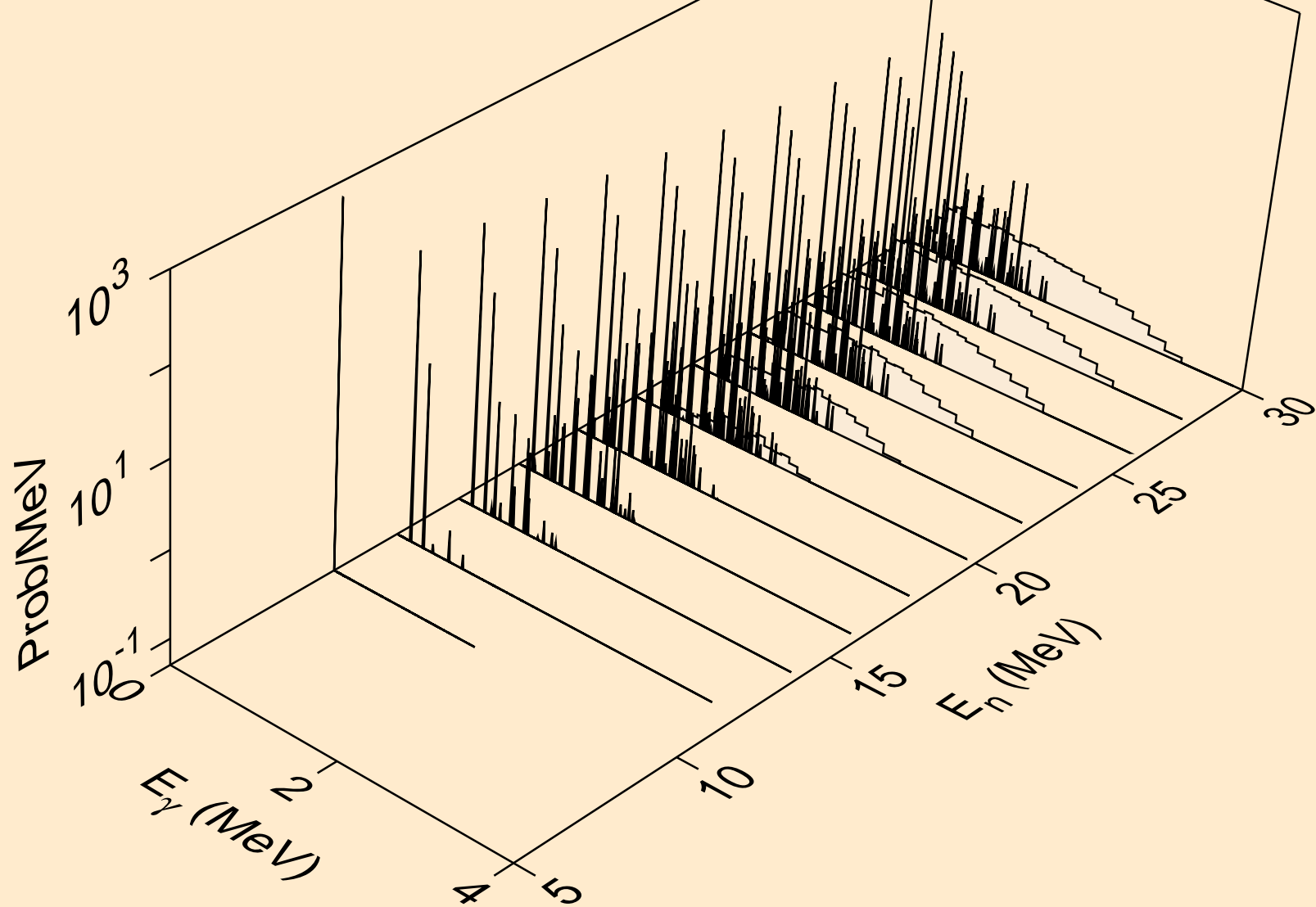
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Photon emission for (n,2np)



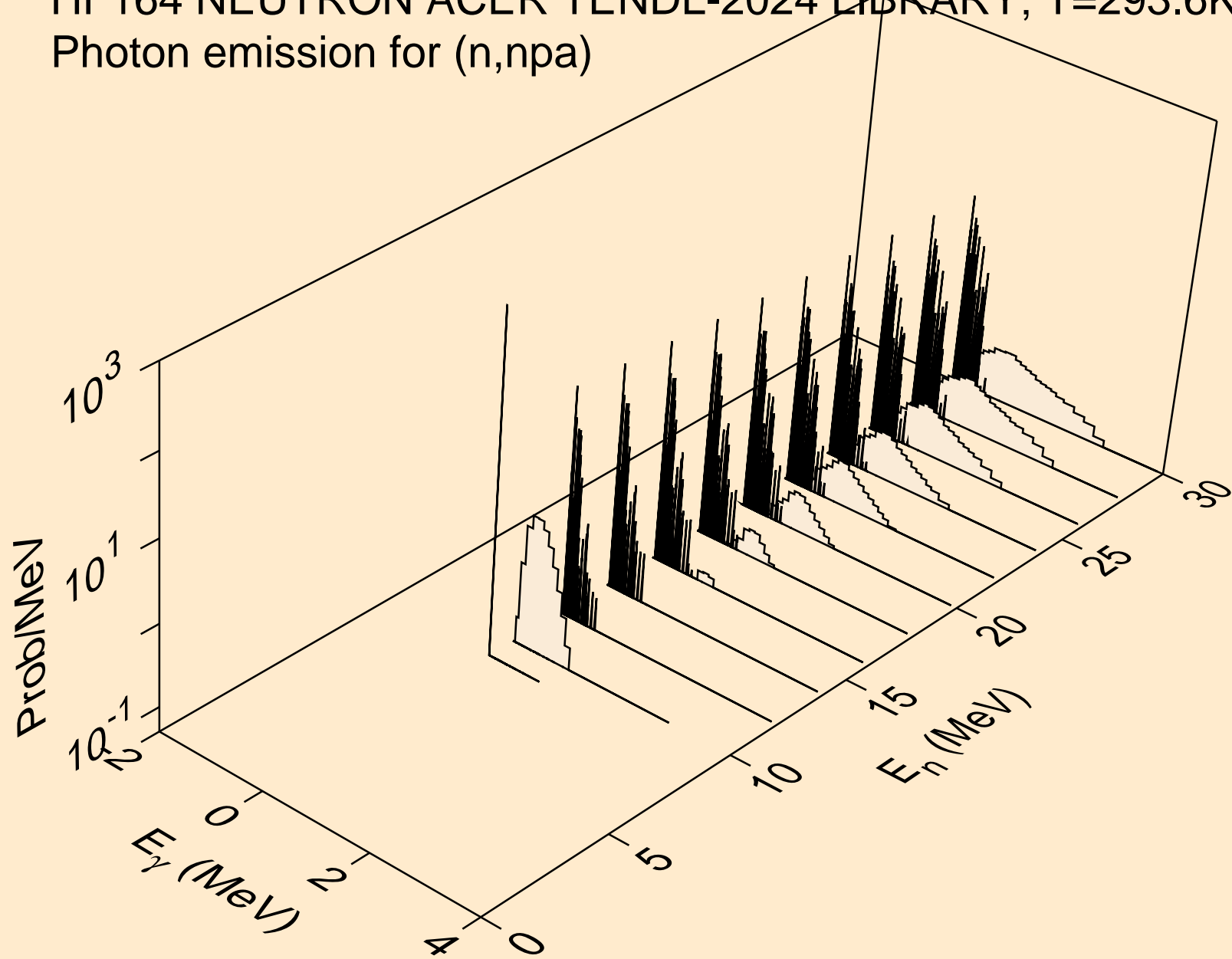
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Photon emission for (n,3np)



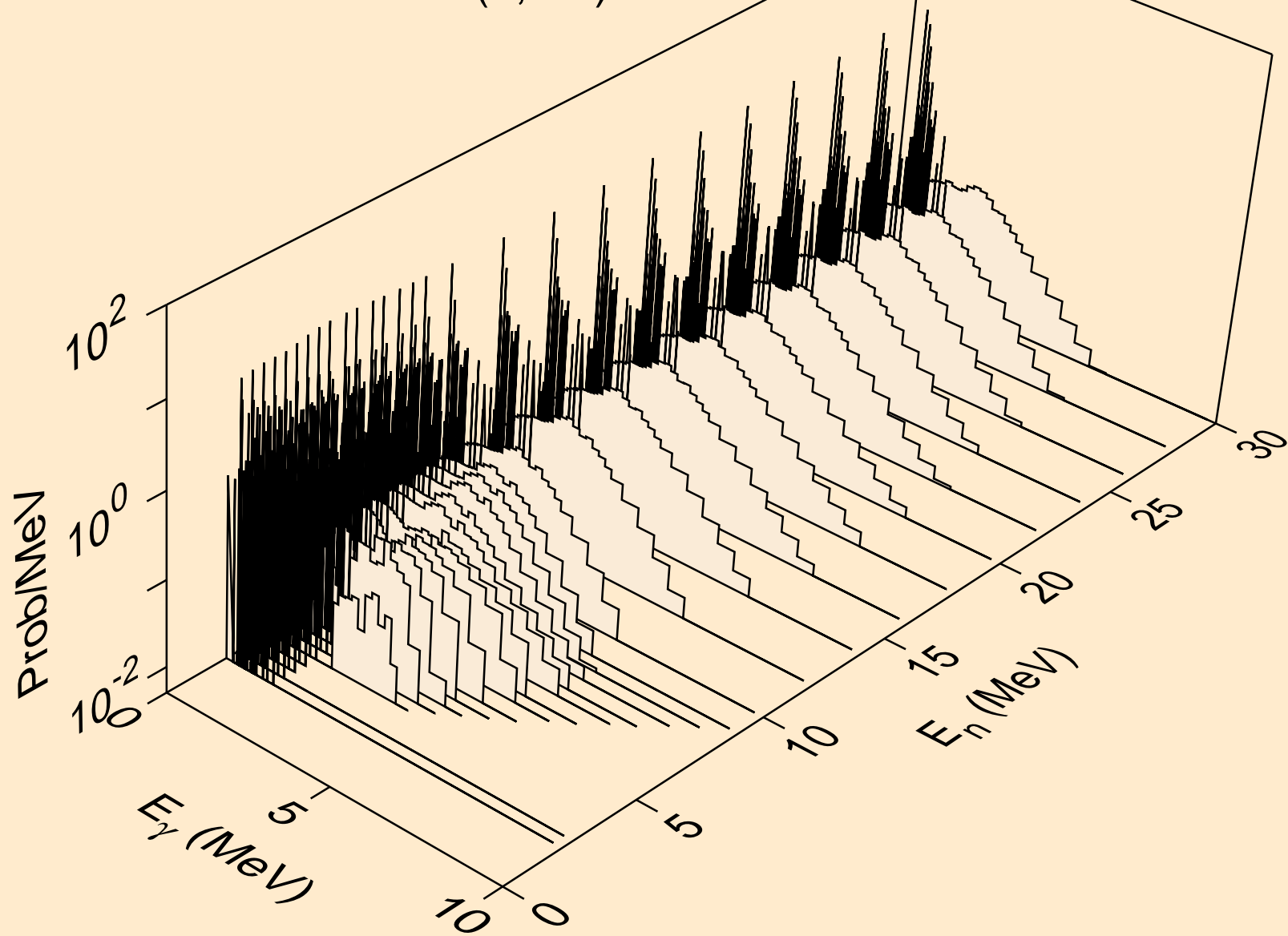
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Photon emission for (n,n2p)



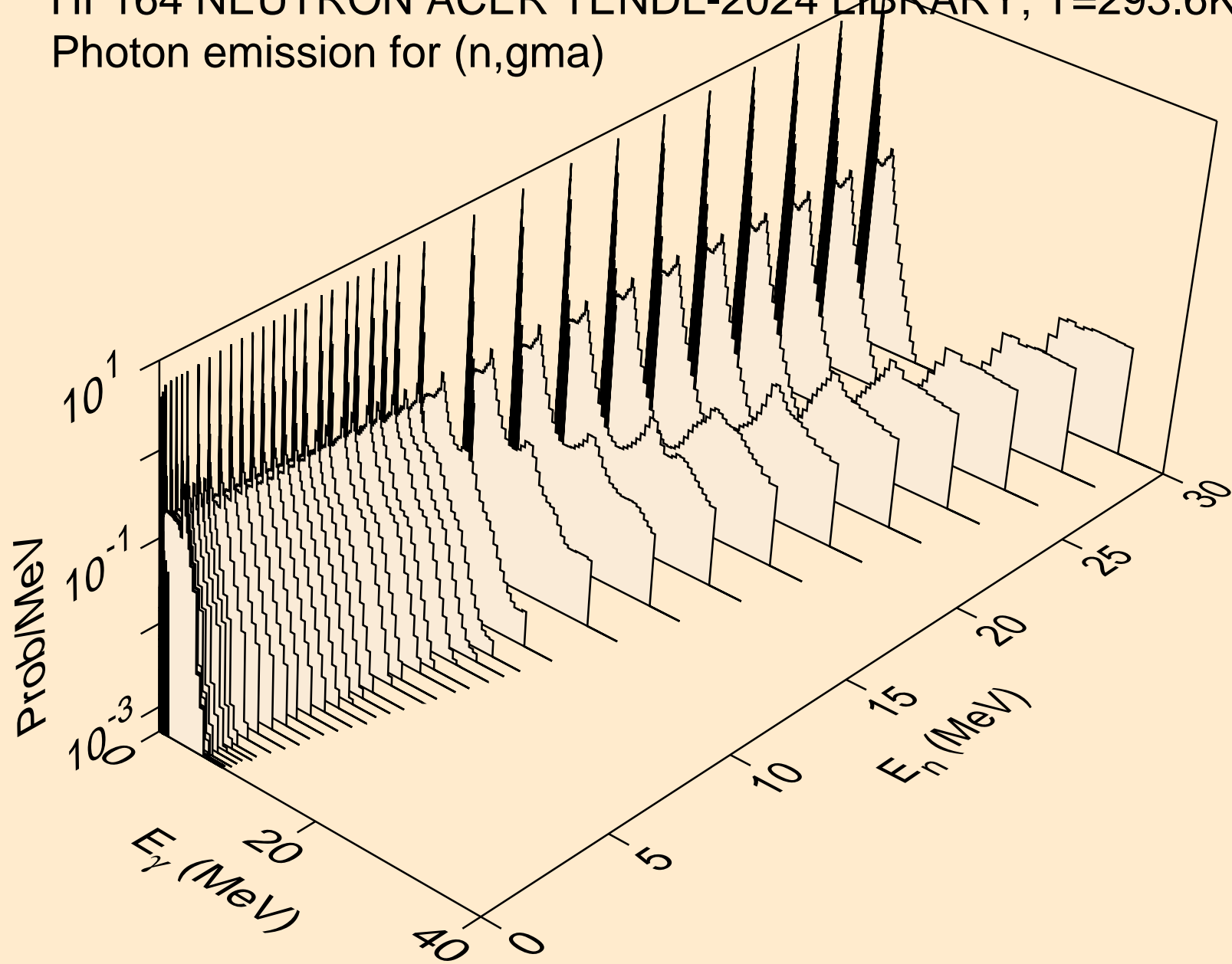
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Photon emission for (n,npa)



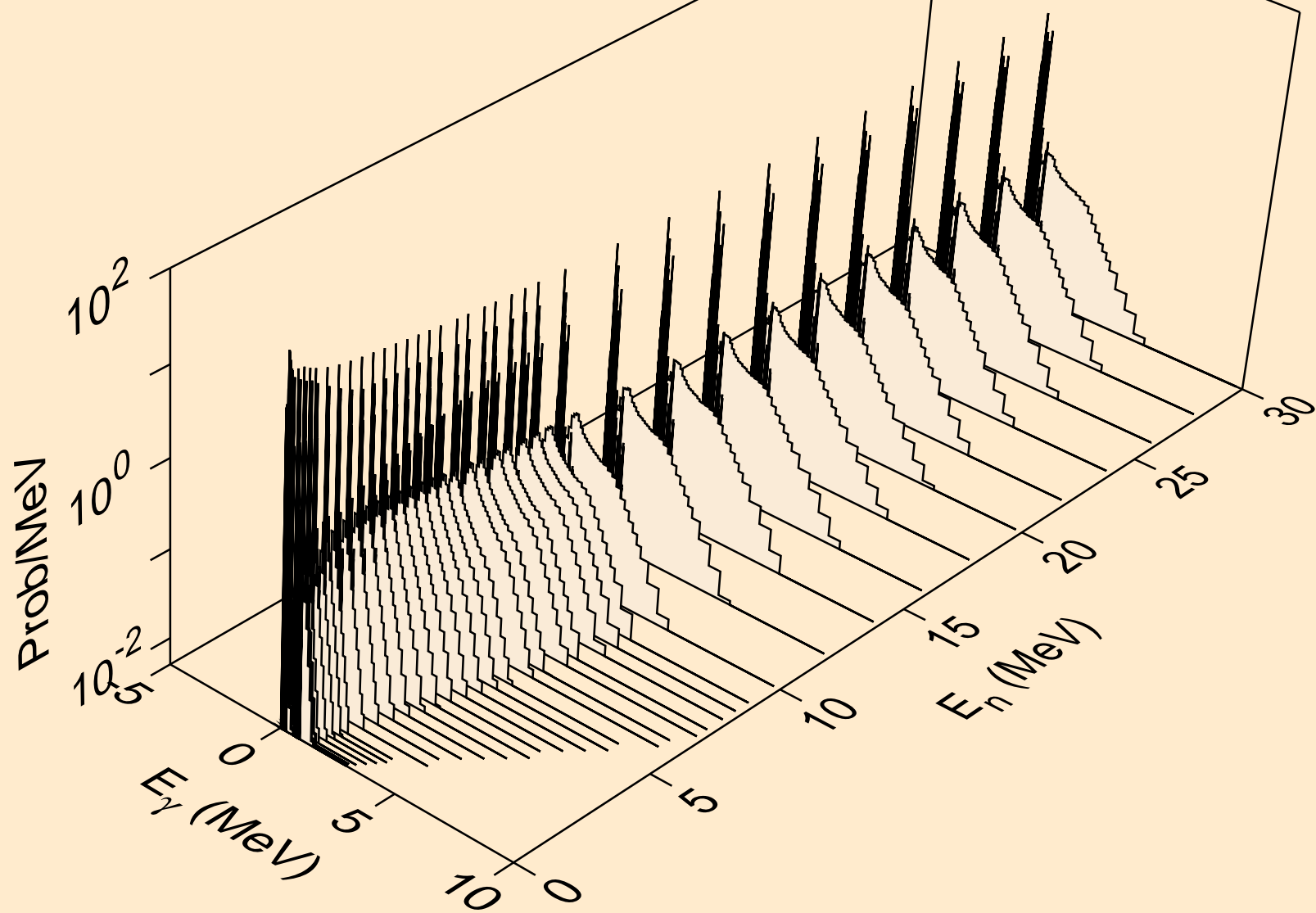
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Photon emission for (n,n\*c)



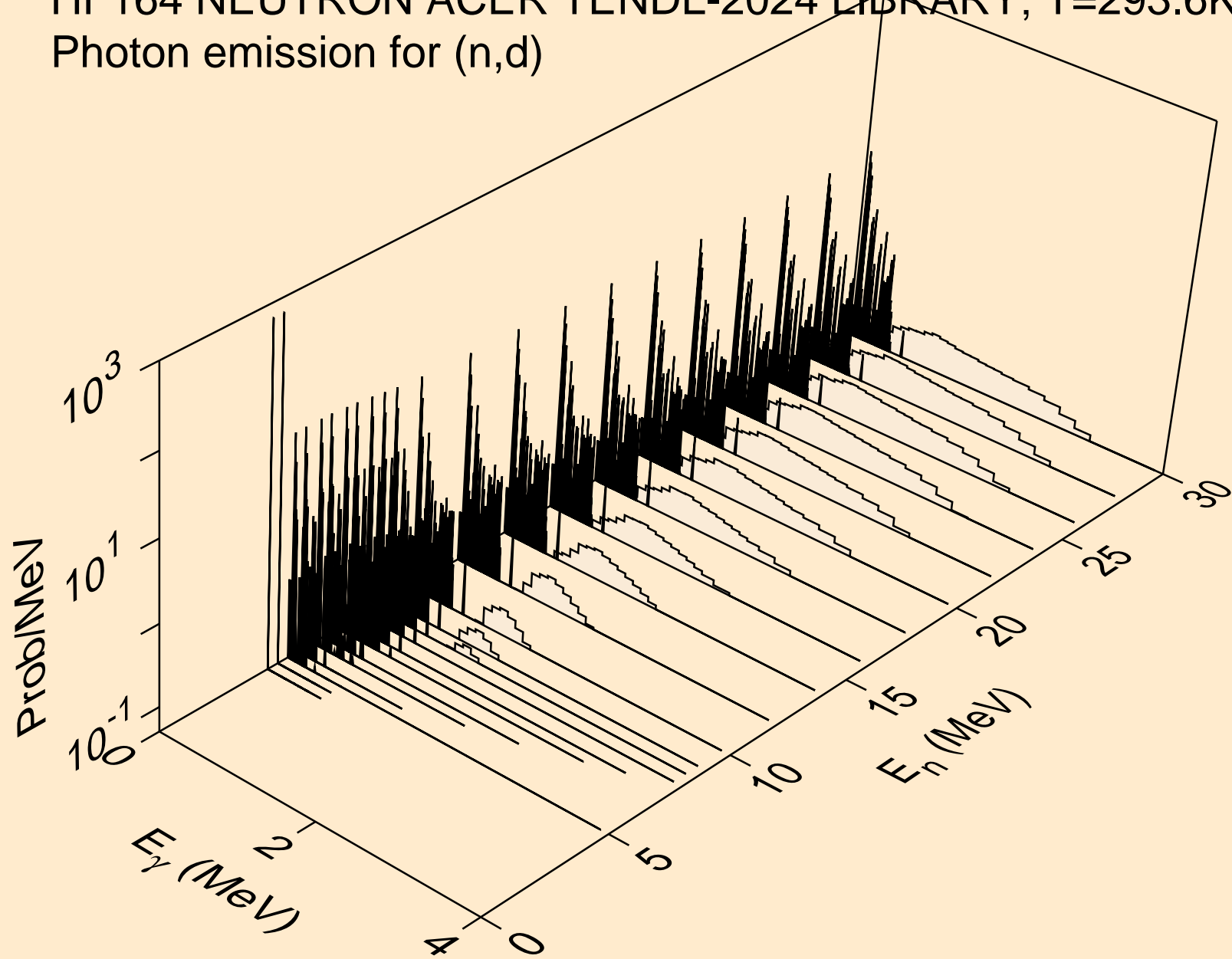
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Photon emission for (n,gma)



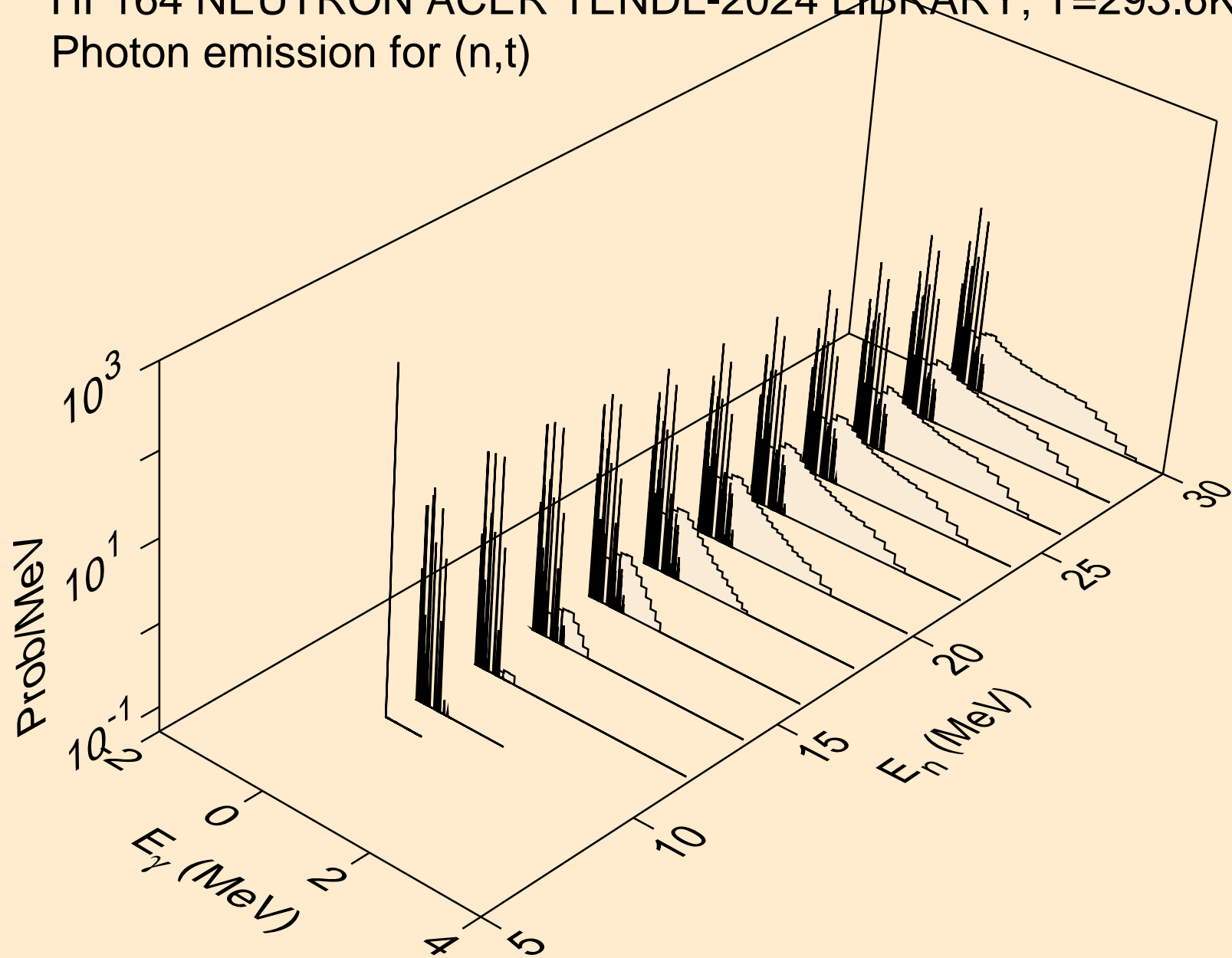
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Photon emission for (n,p)



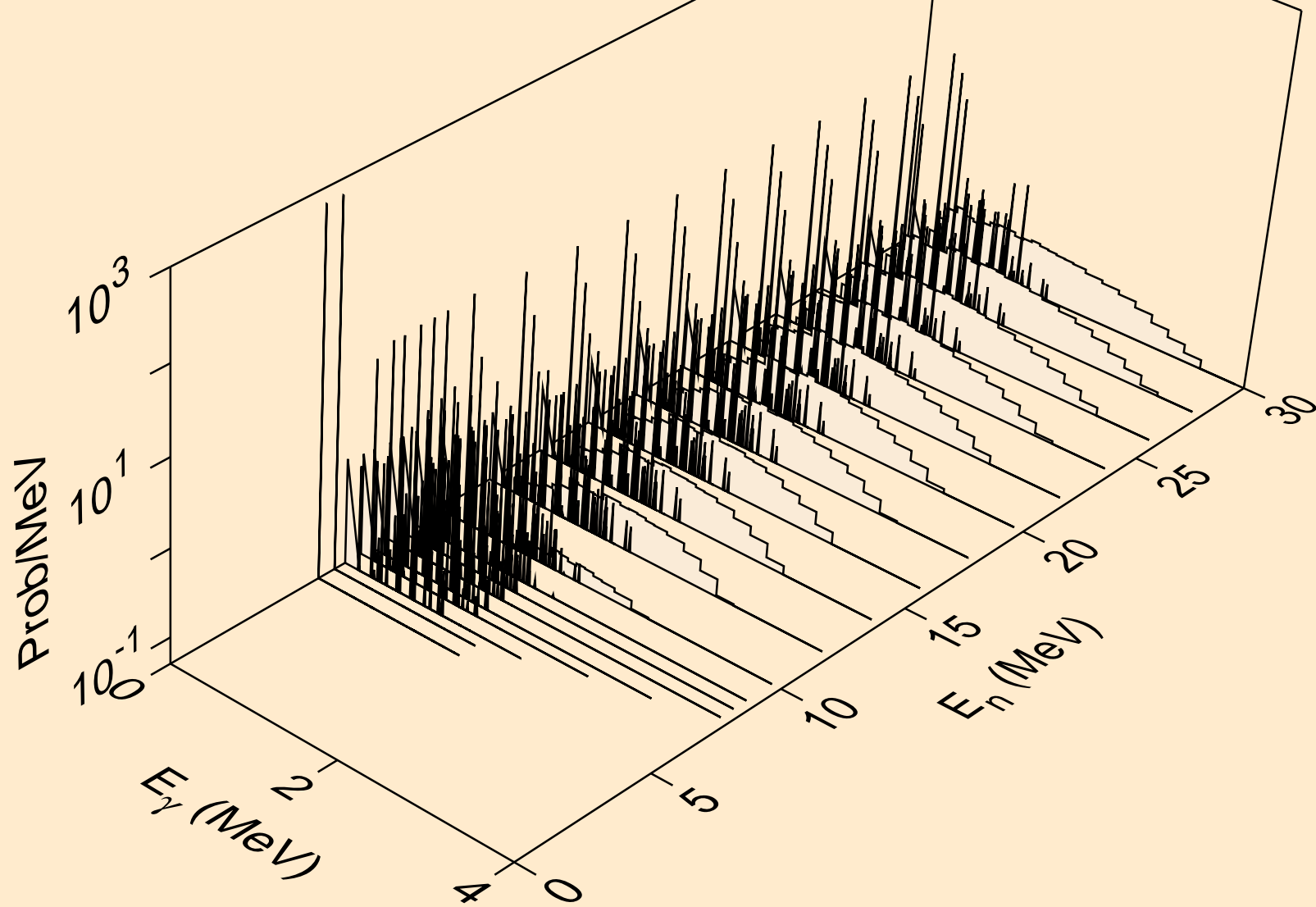
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Photon emission for (n,d)



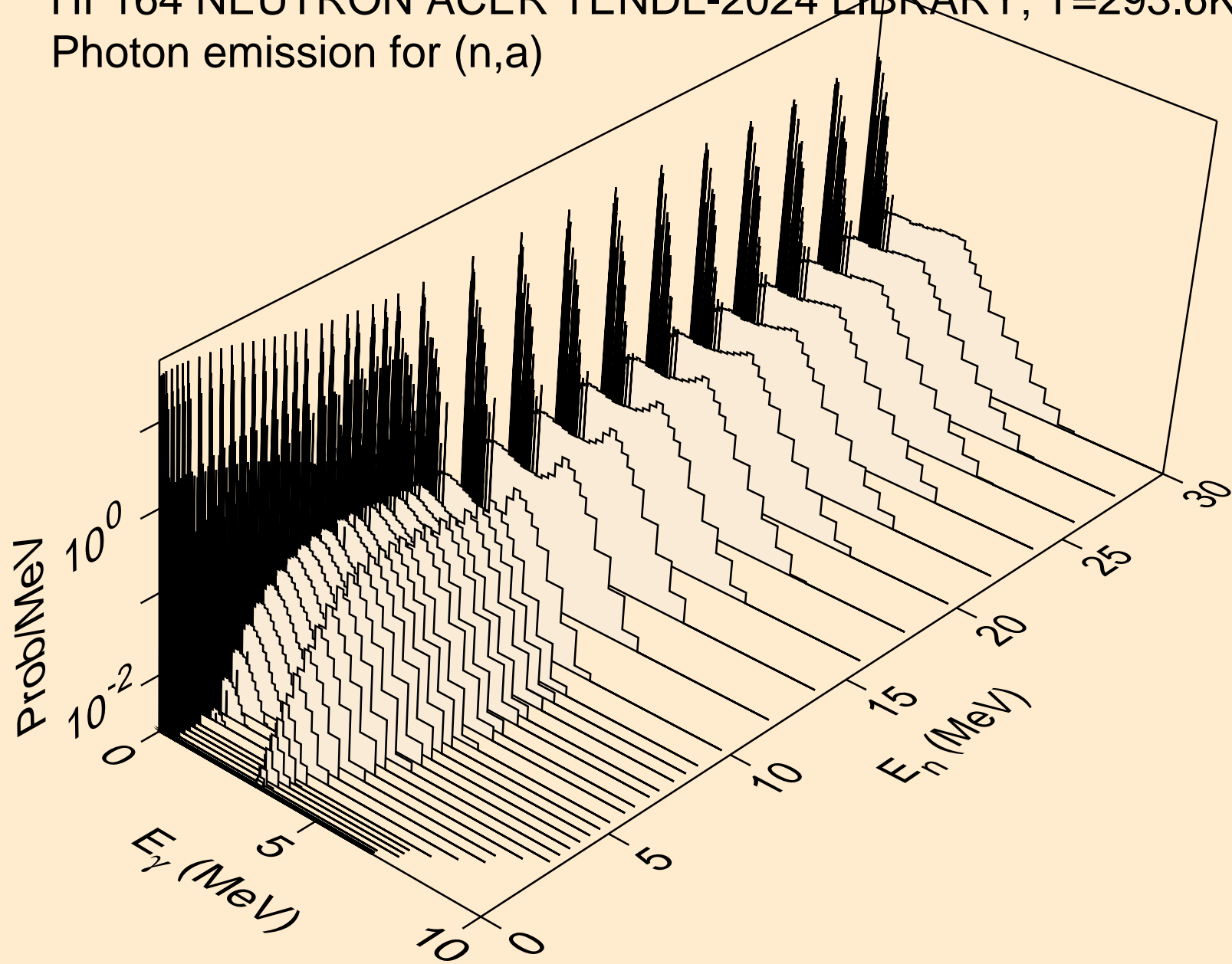
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Photon emission for (n,t)



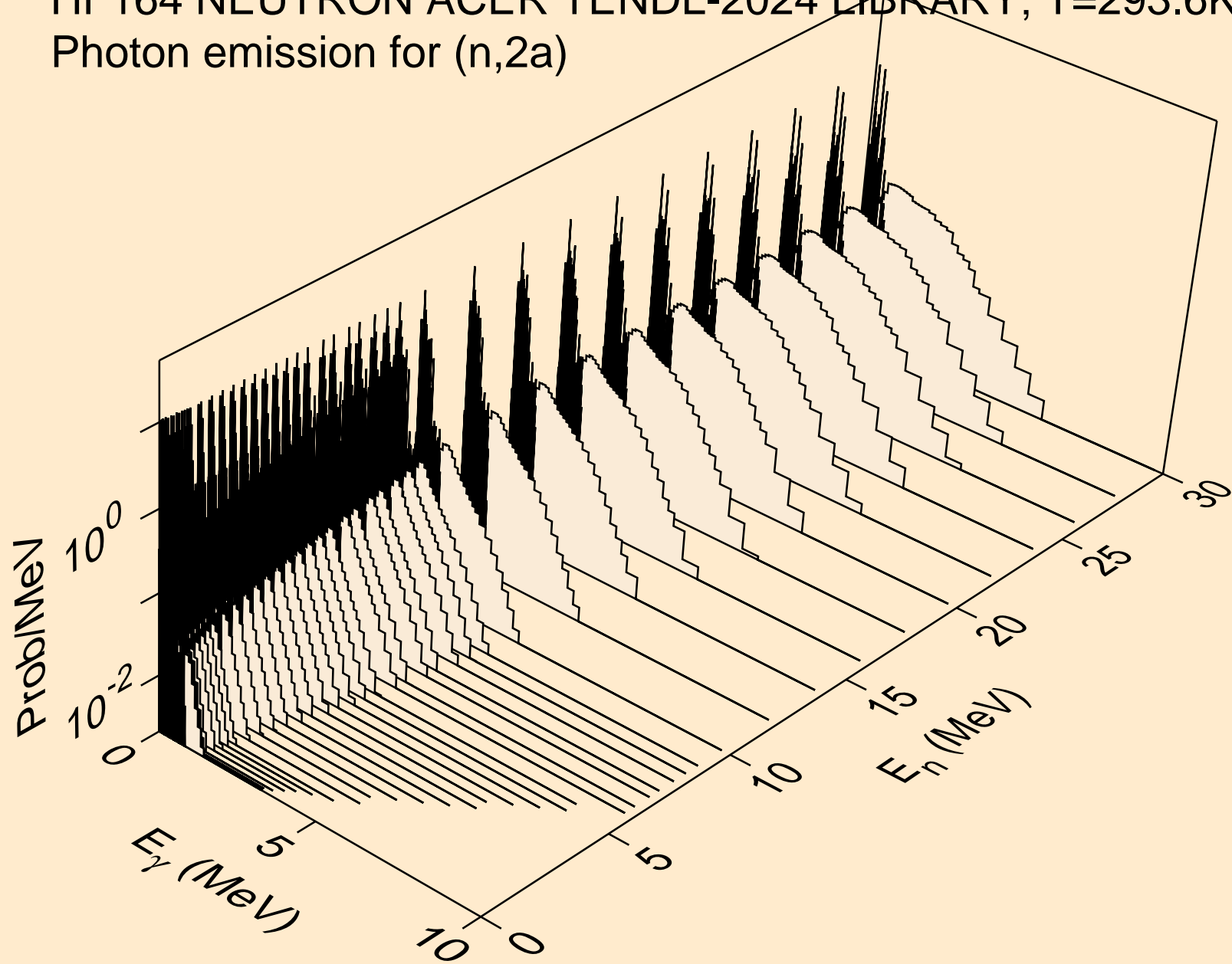
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Photon emission for (n,he3)



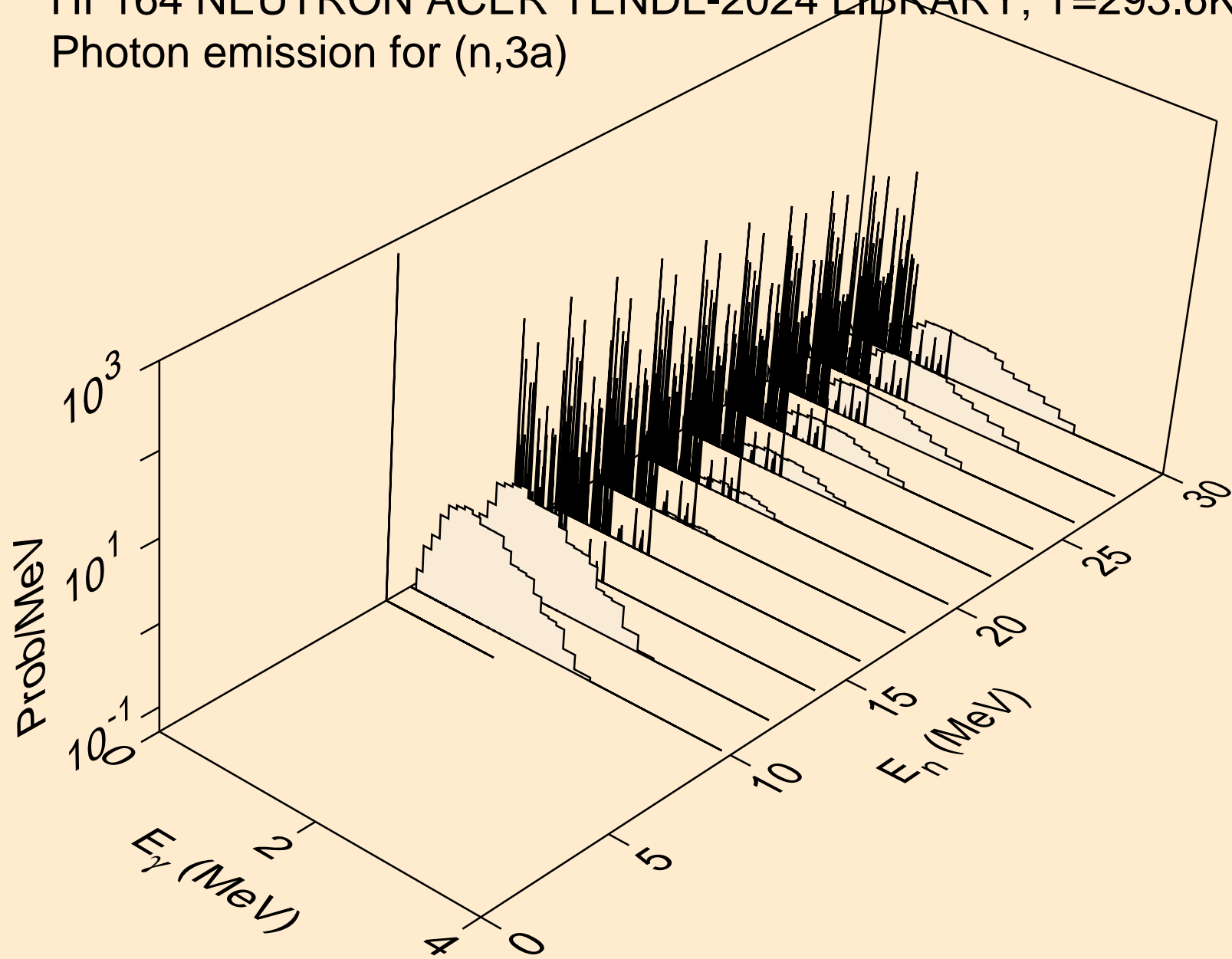
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Photon emission for (n,a)



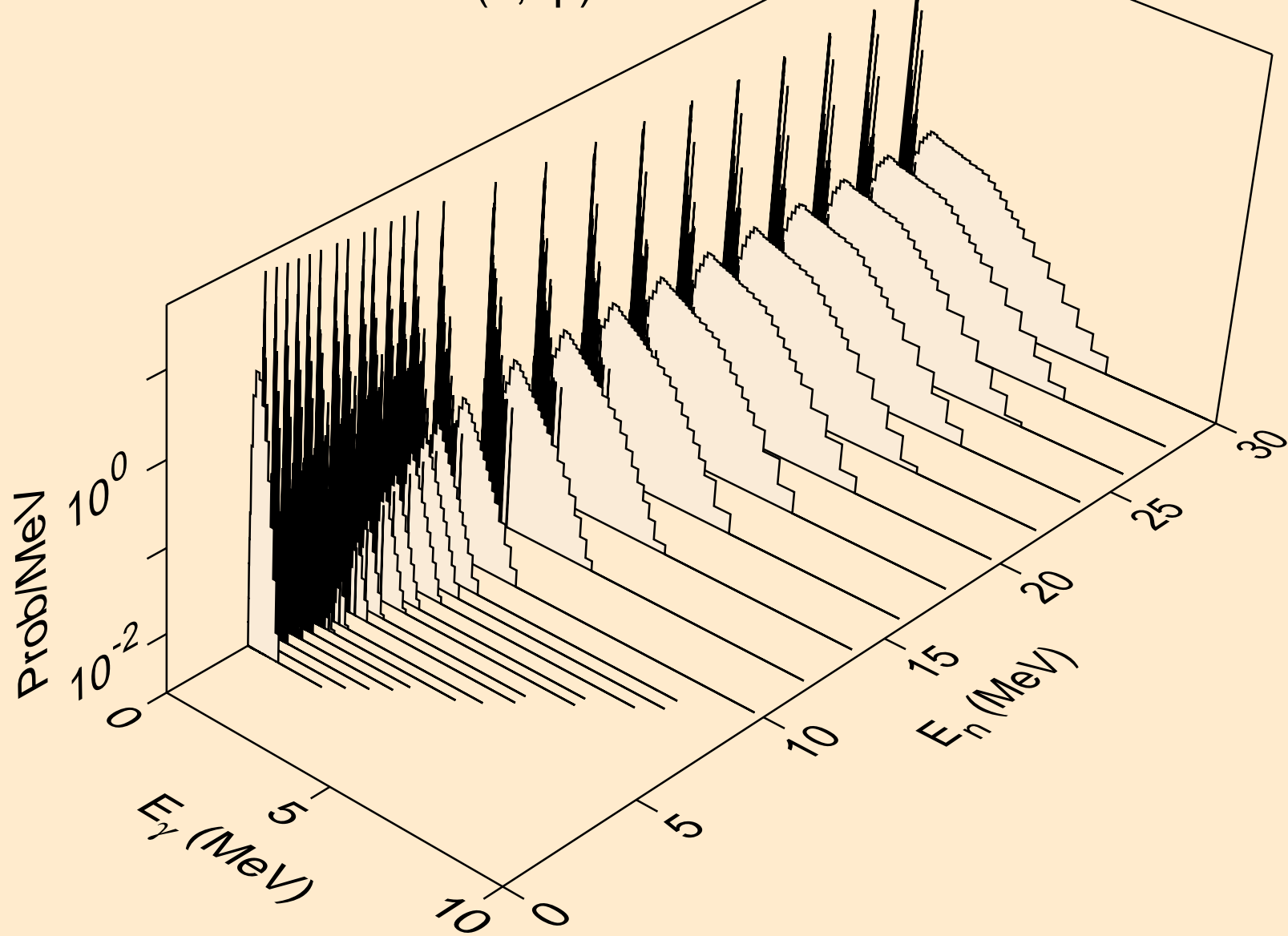
HF164 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,2a)



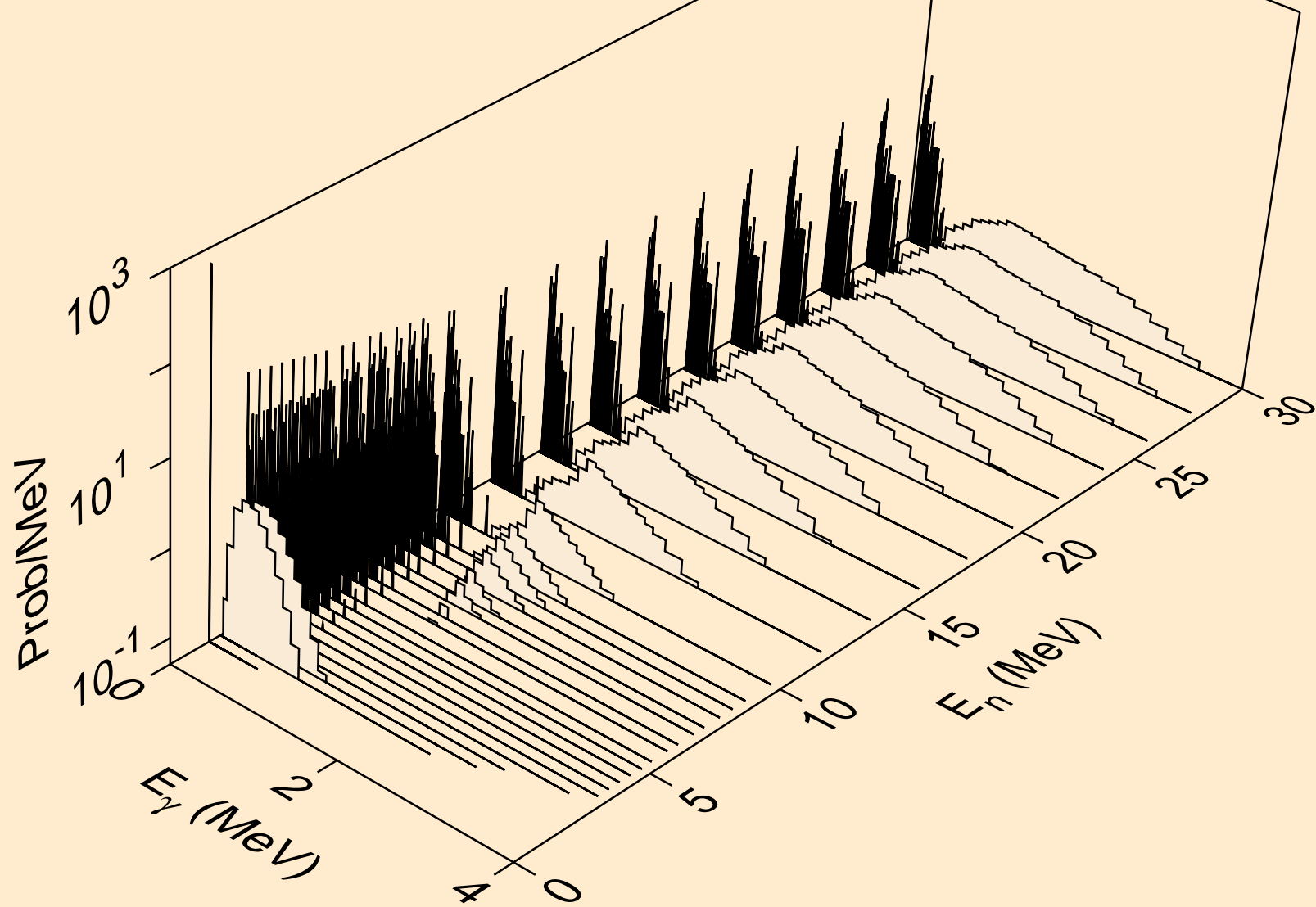
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Photon emission for (n,3a)



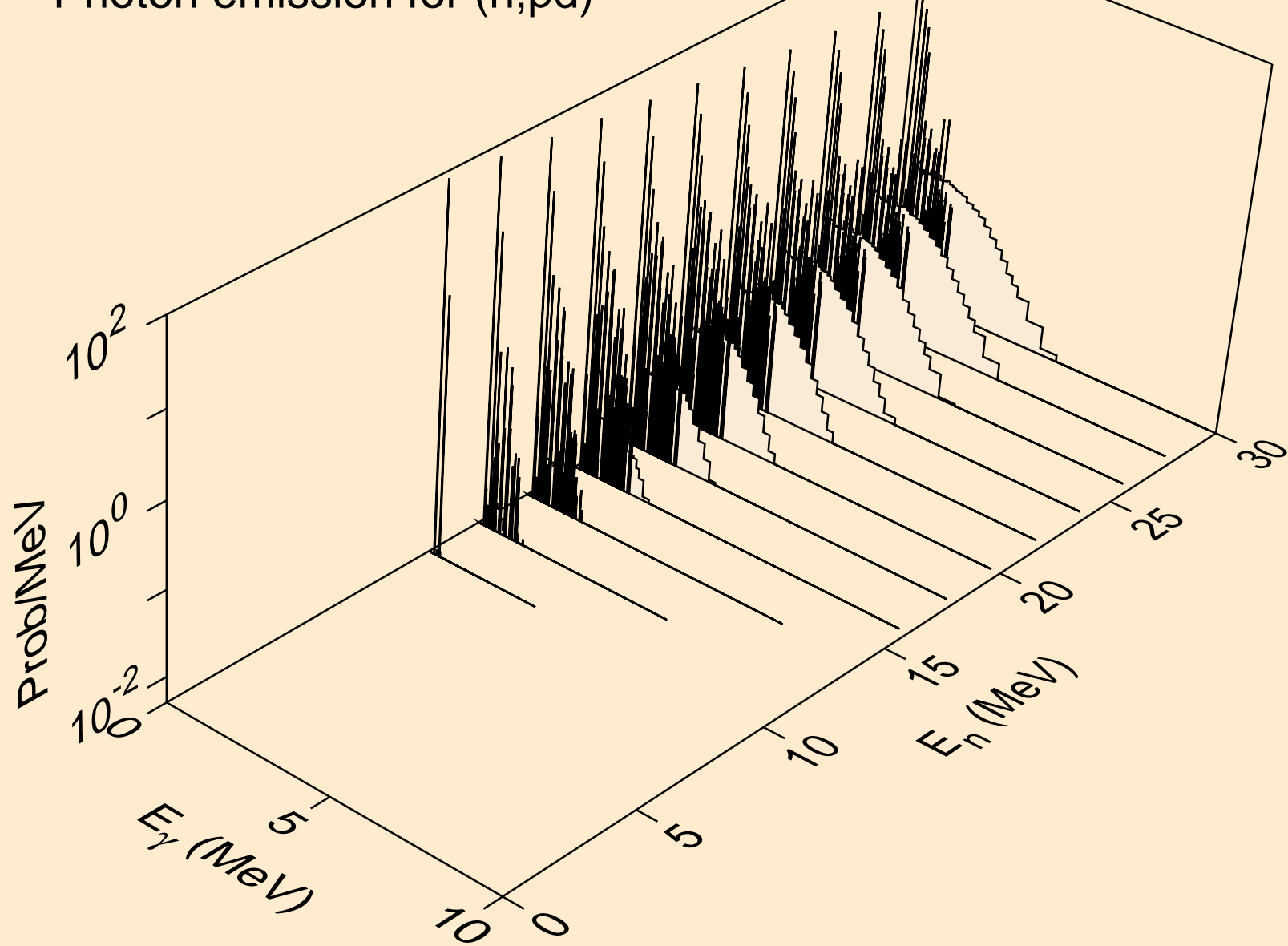
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Photon emission for (n,2p)



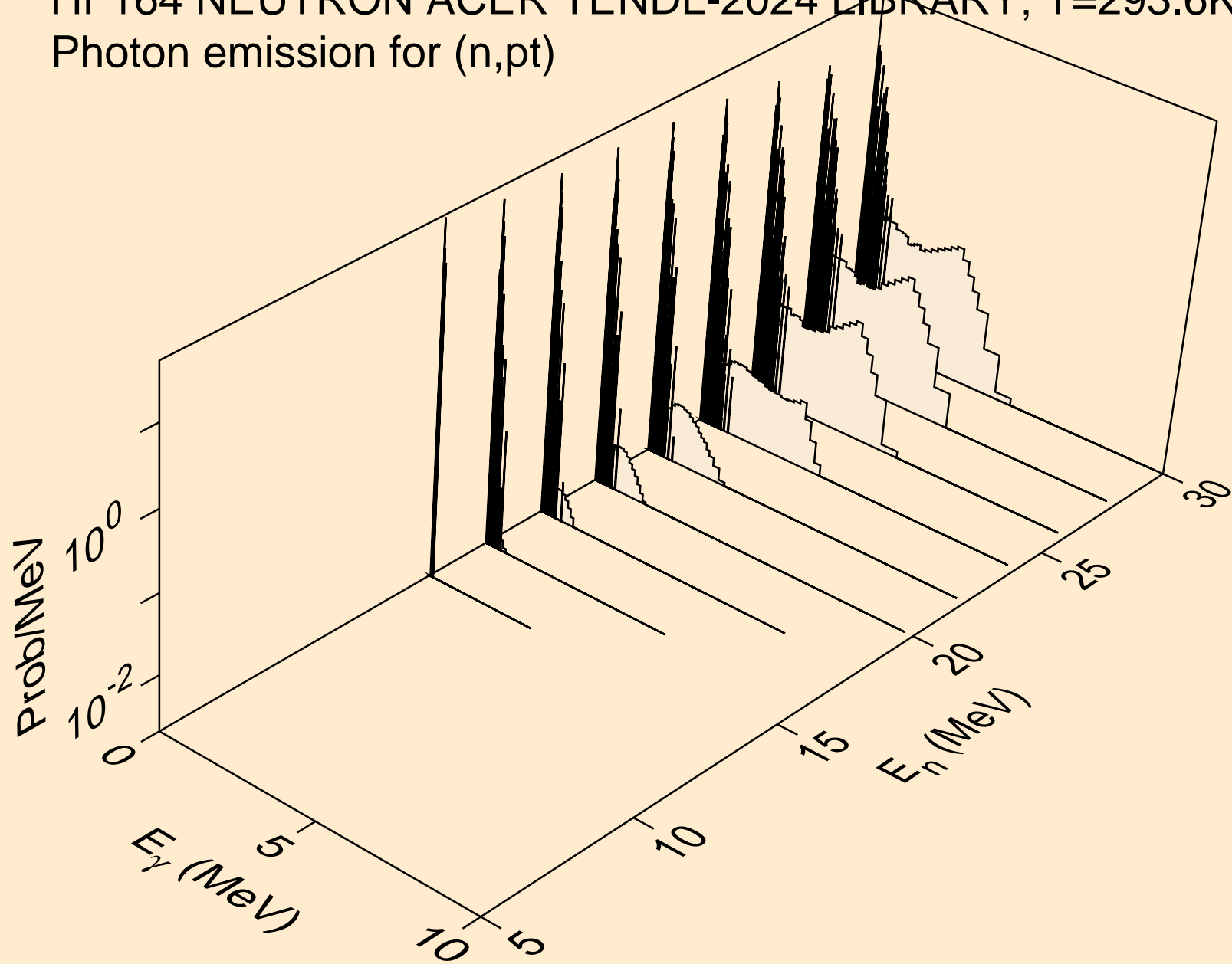
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Photon emission for (n,p)



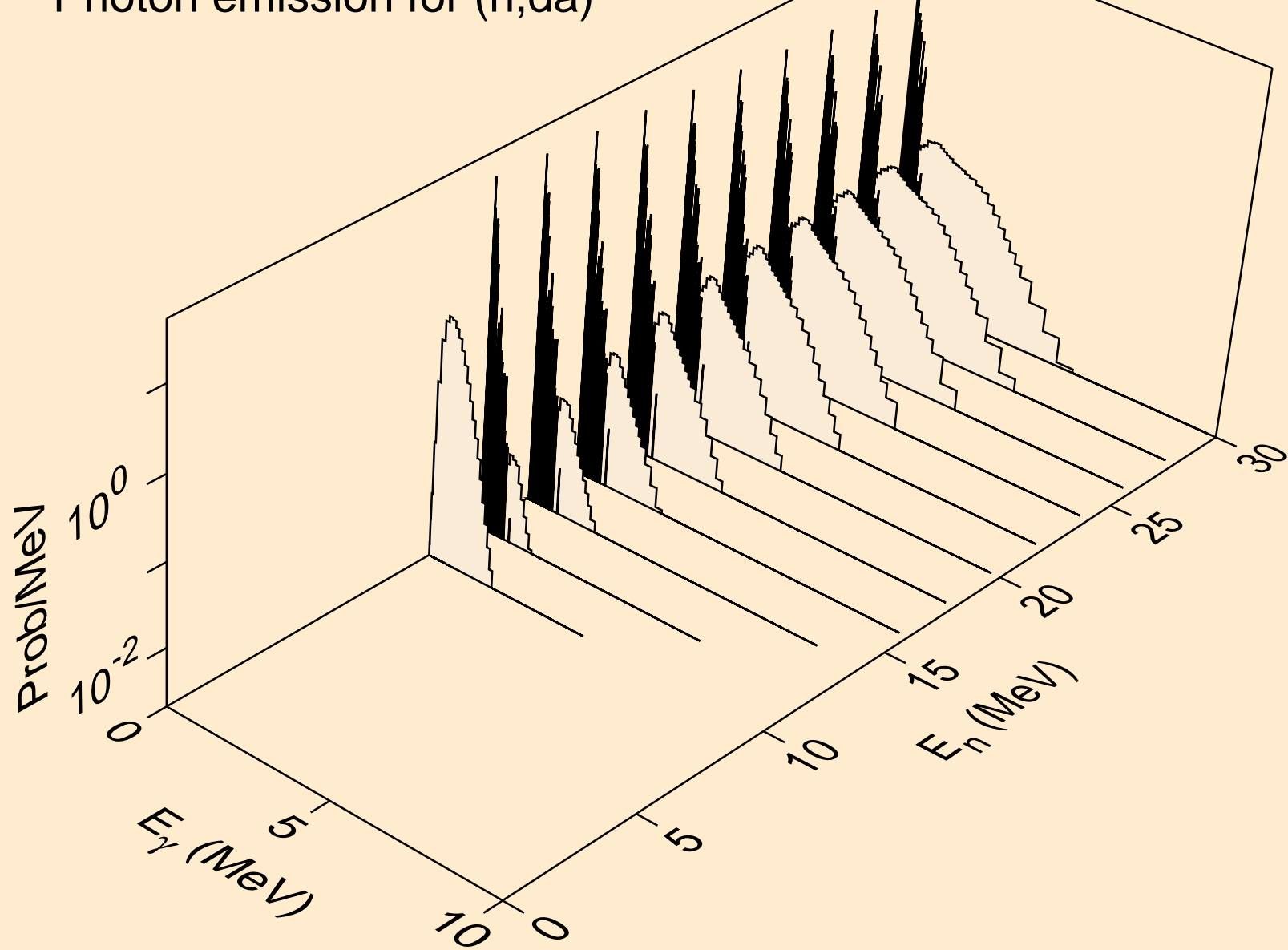
HF164 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,pd)



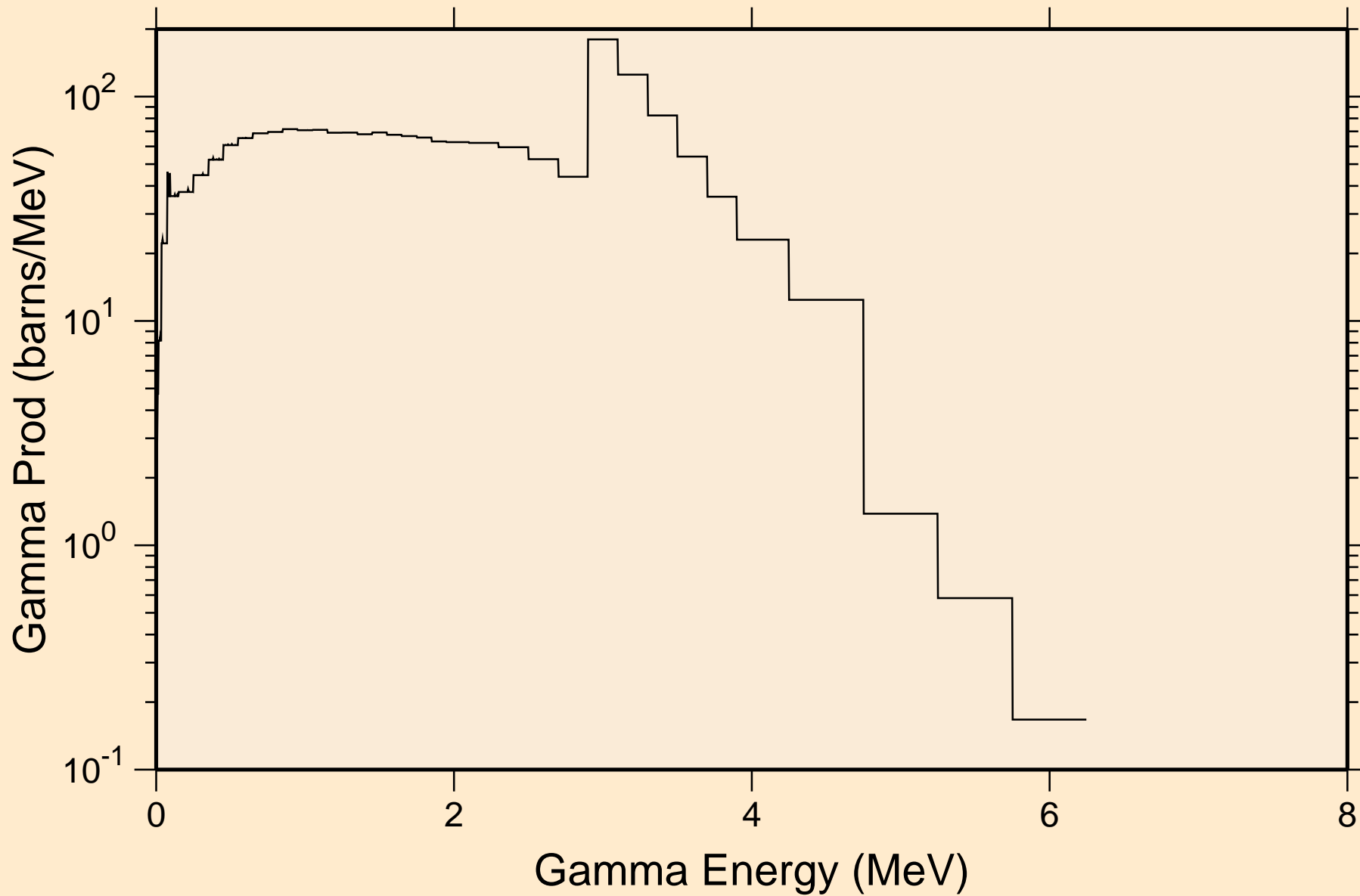
HF164 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,pt)



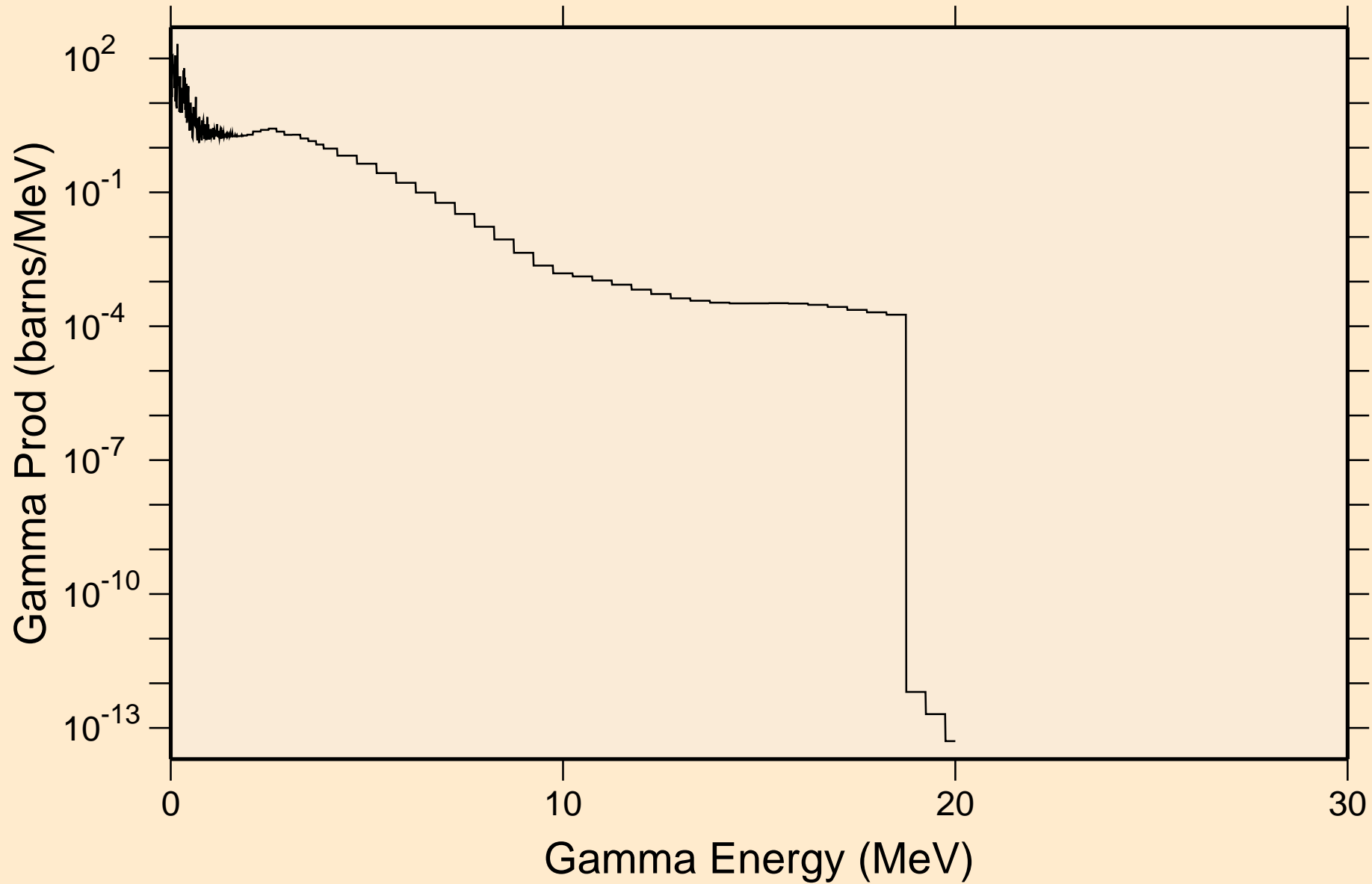
HF164 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,da)



HF164 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
thermal capture photon spectrum

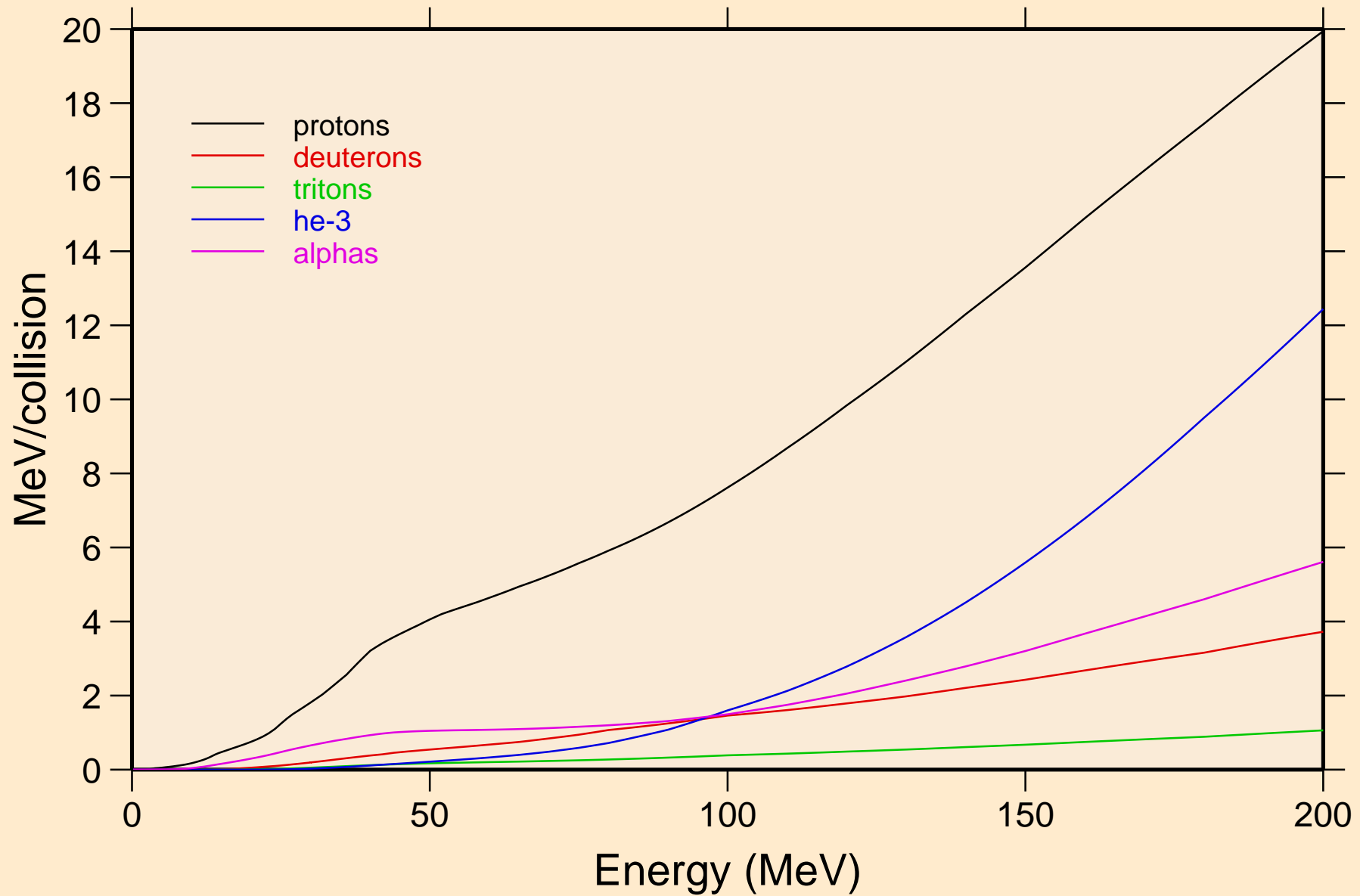


HF164 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
14 MeV photon spectrum

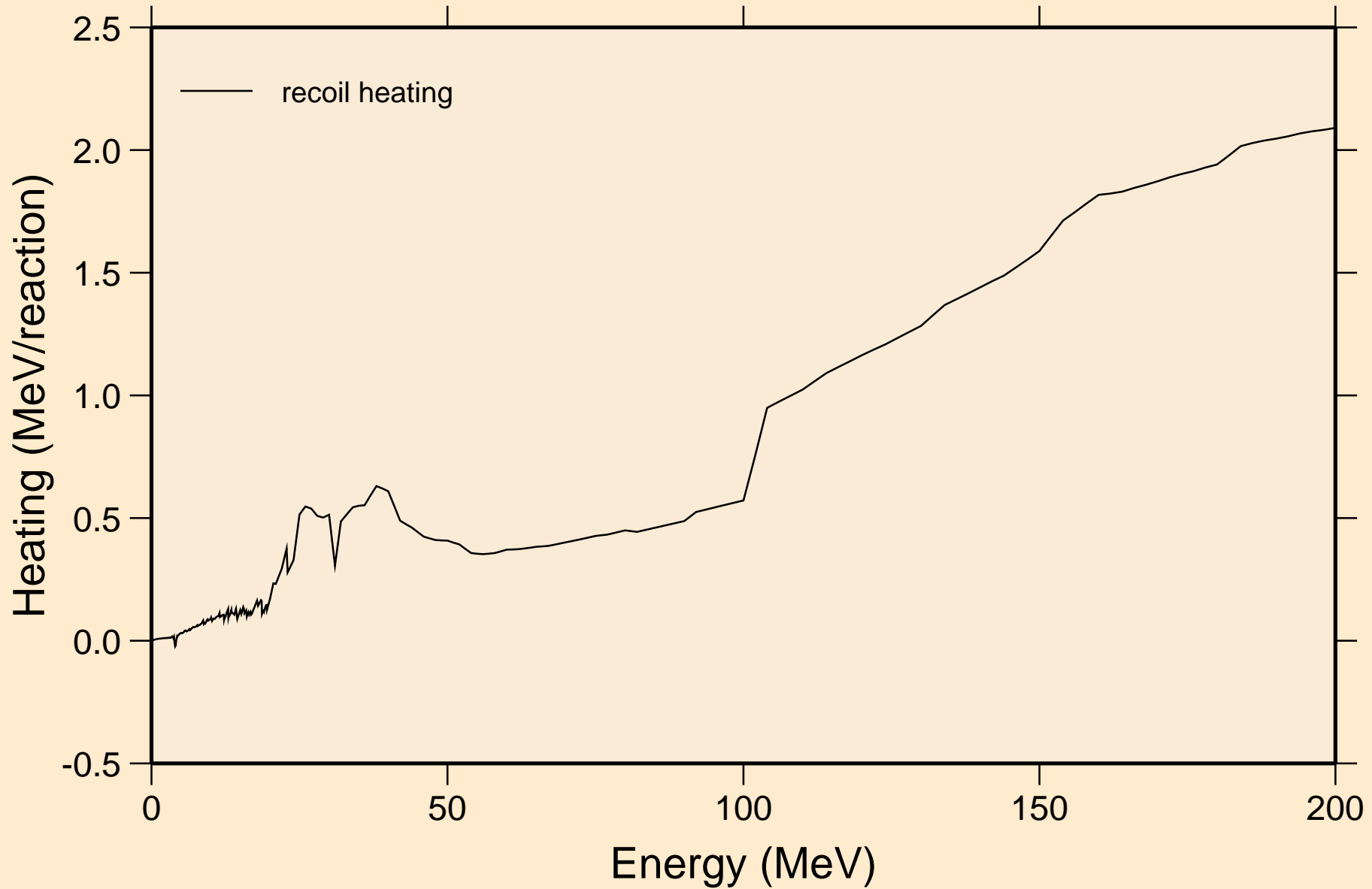


# HF164 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

## Particle heating contributions

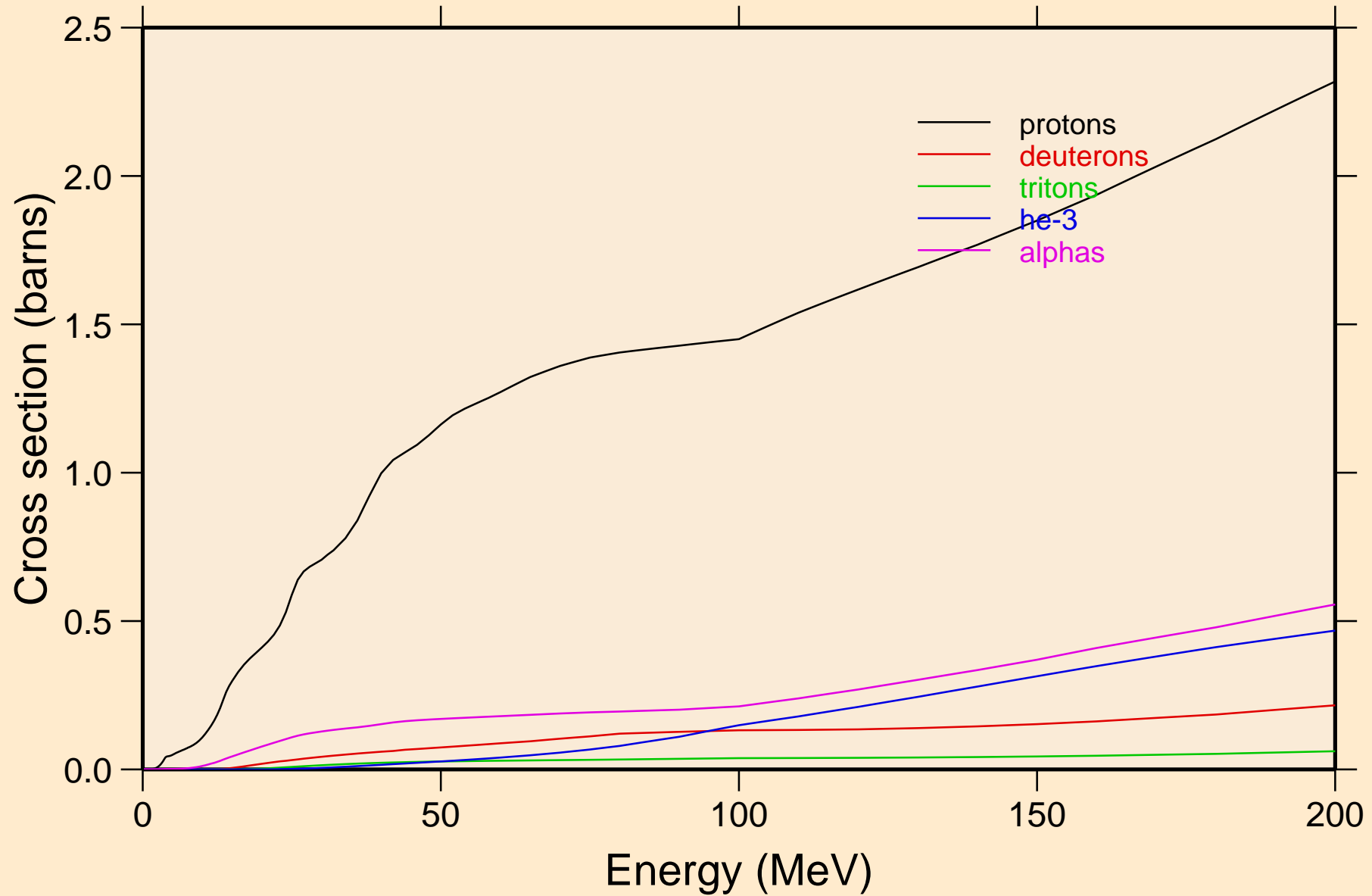


HF164 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Recoil Heating

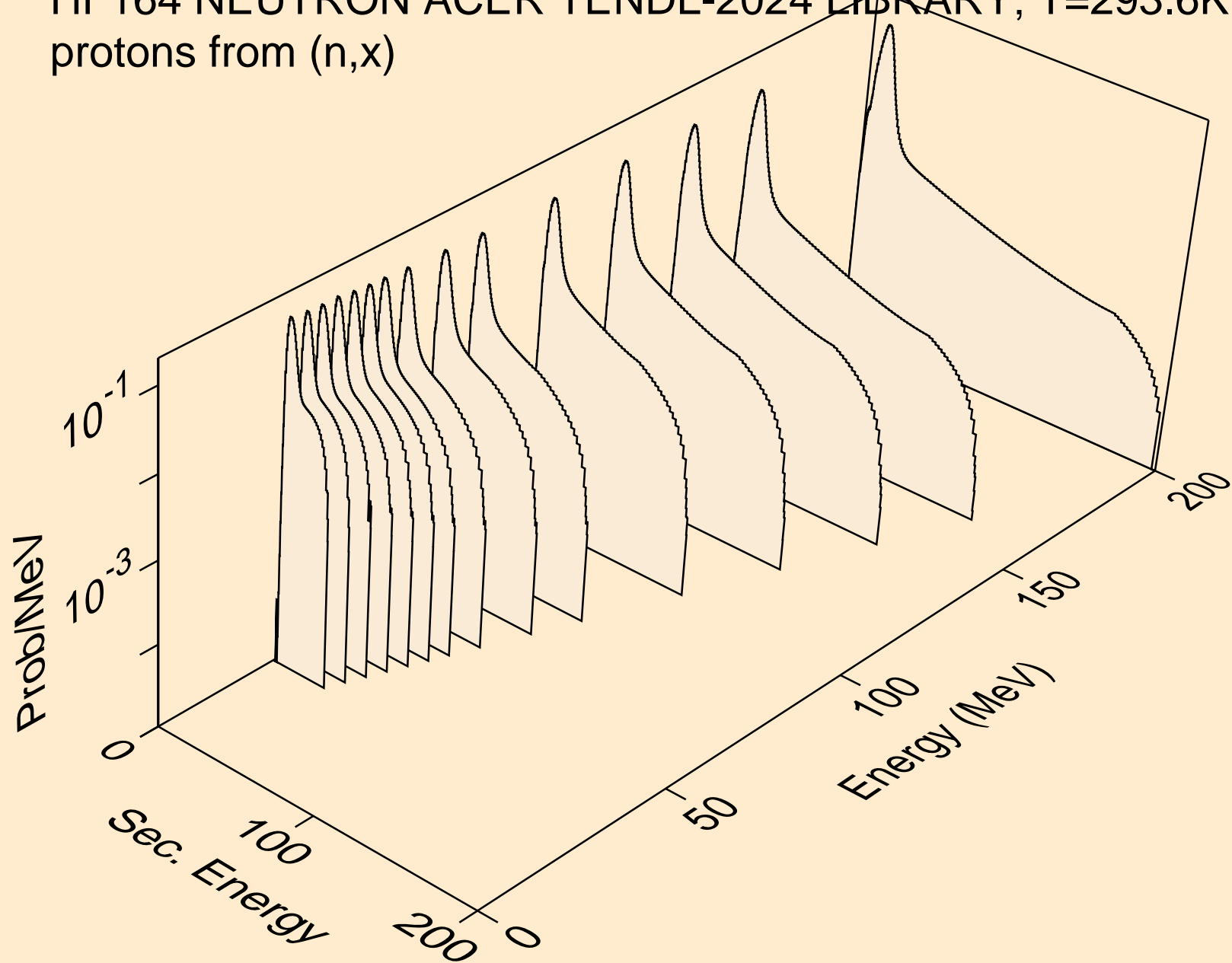


# HF164 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

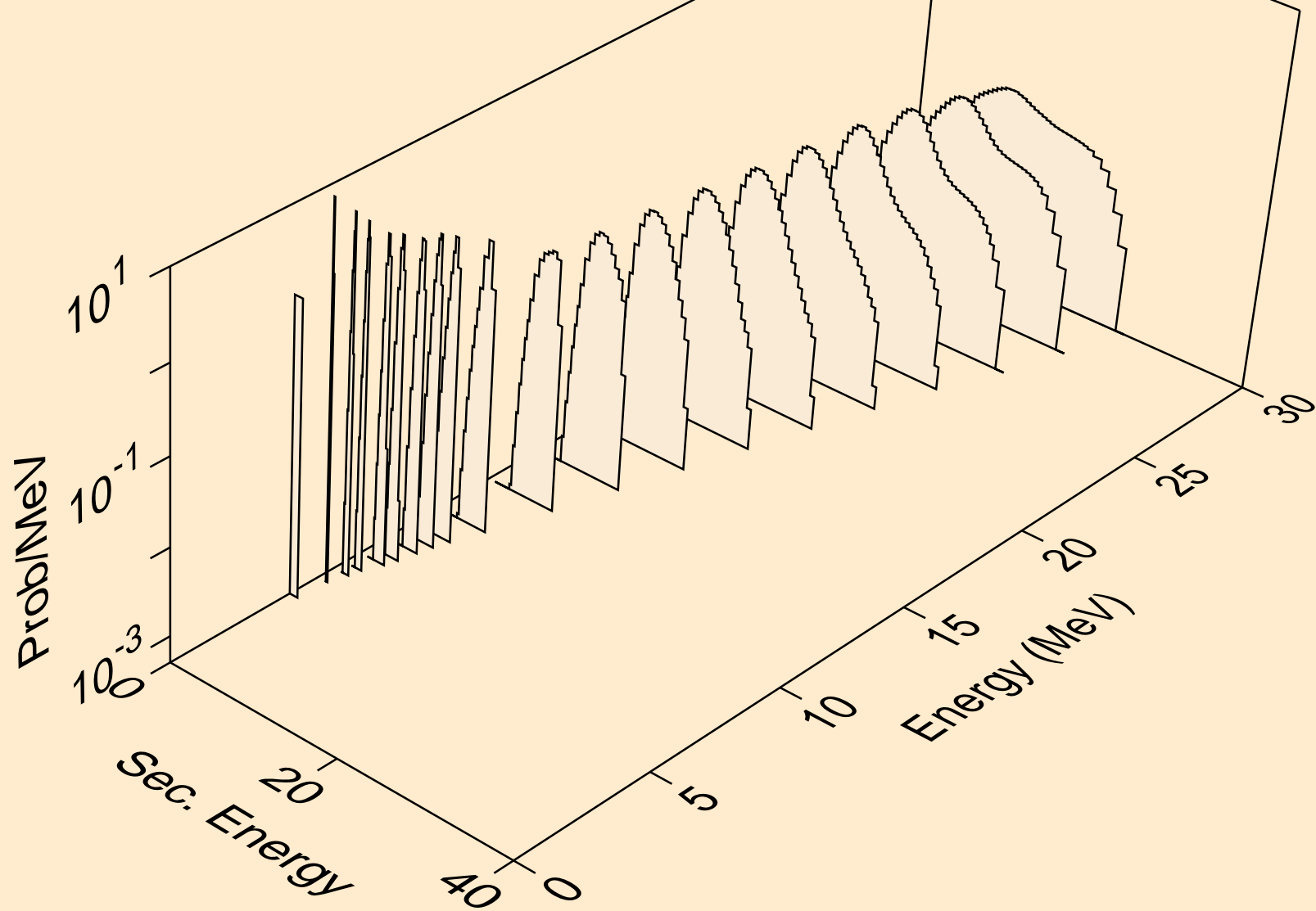
## Particle production cross sections



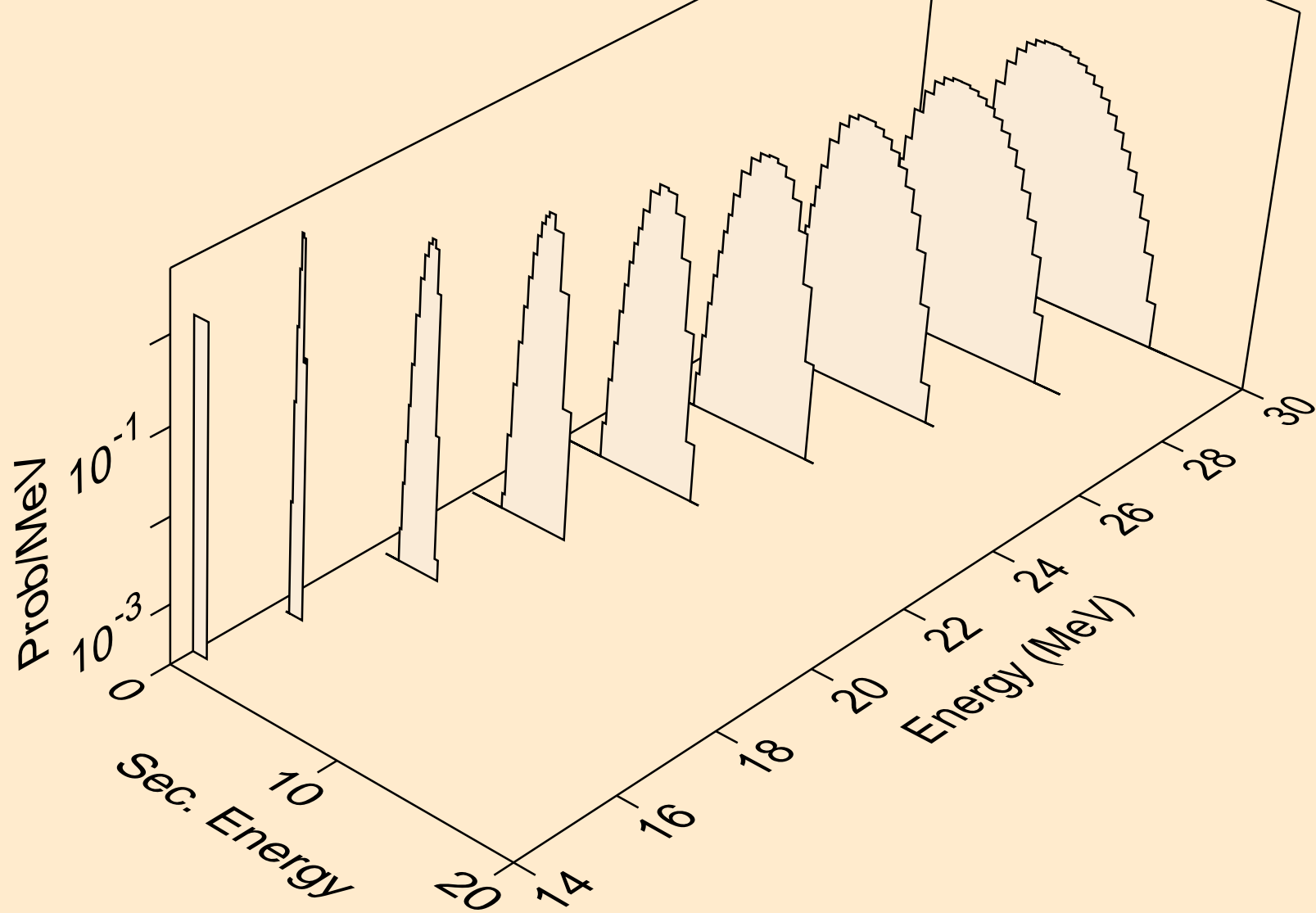
HF164 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
protons from (n,x)



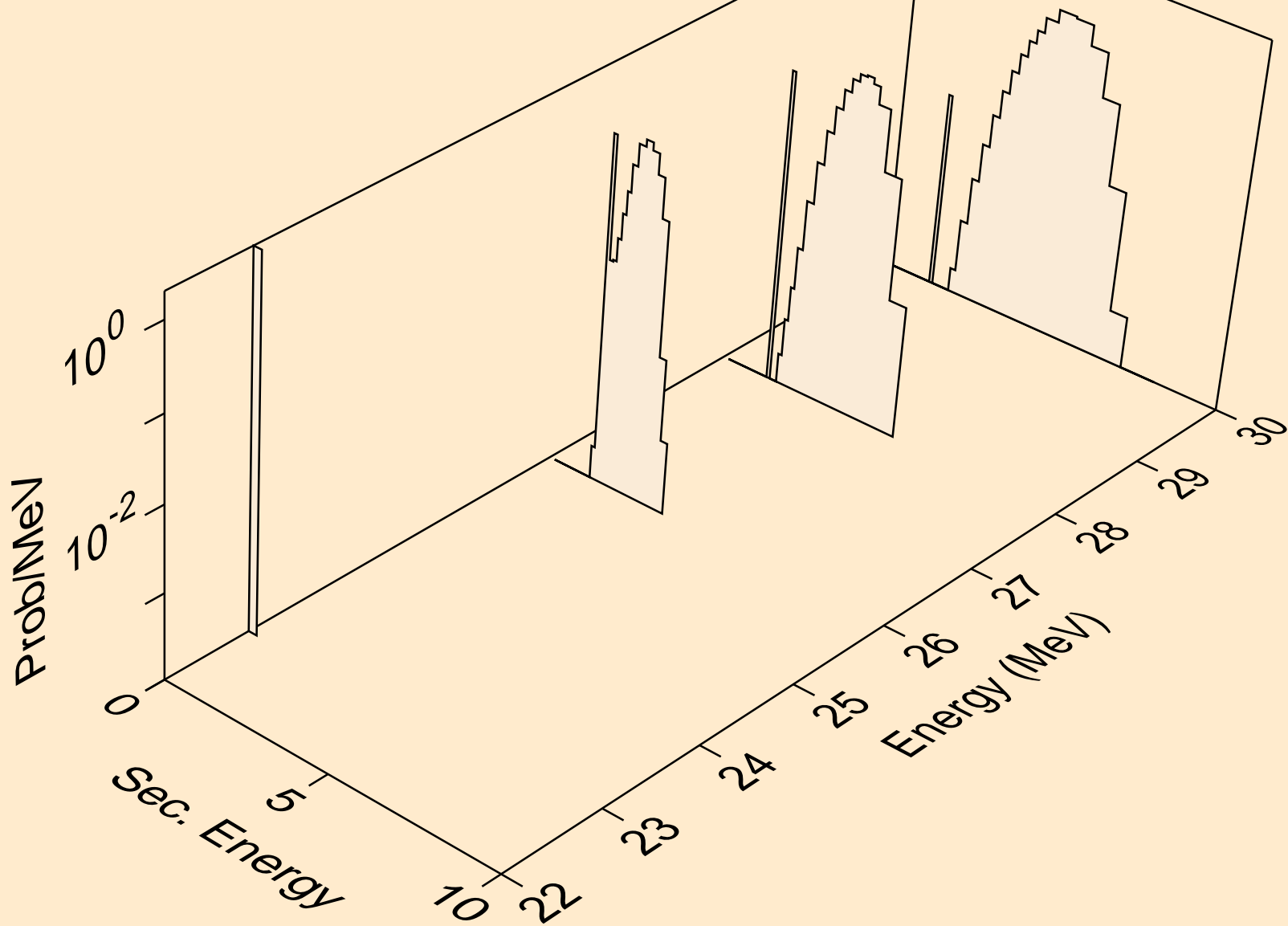
HF164 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
protons from (n,n\*)p



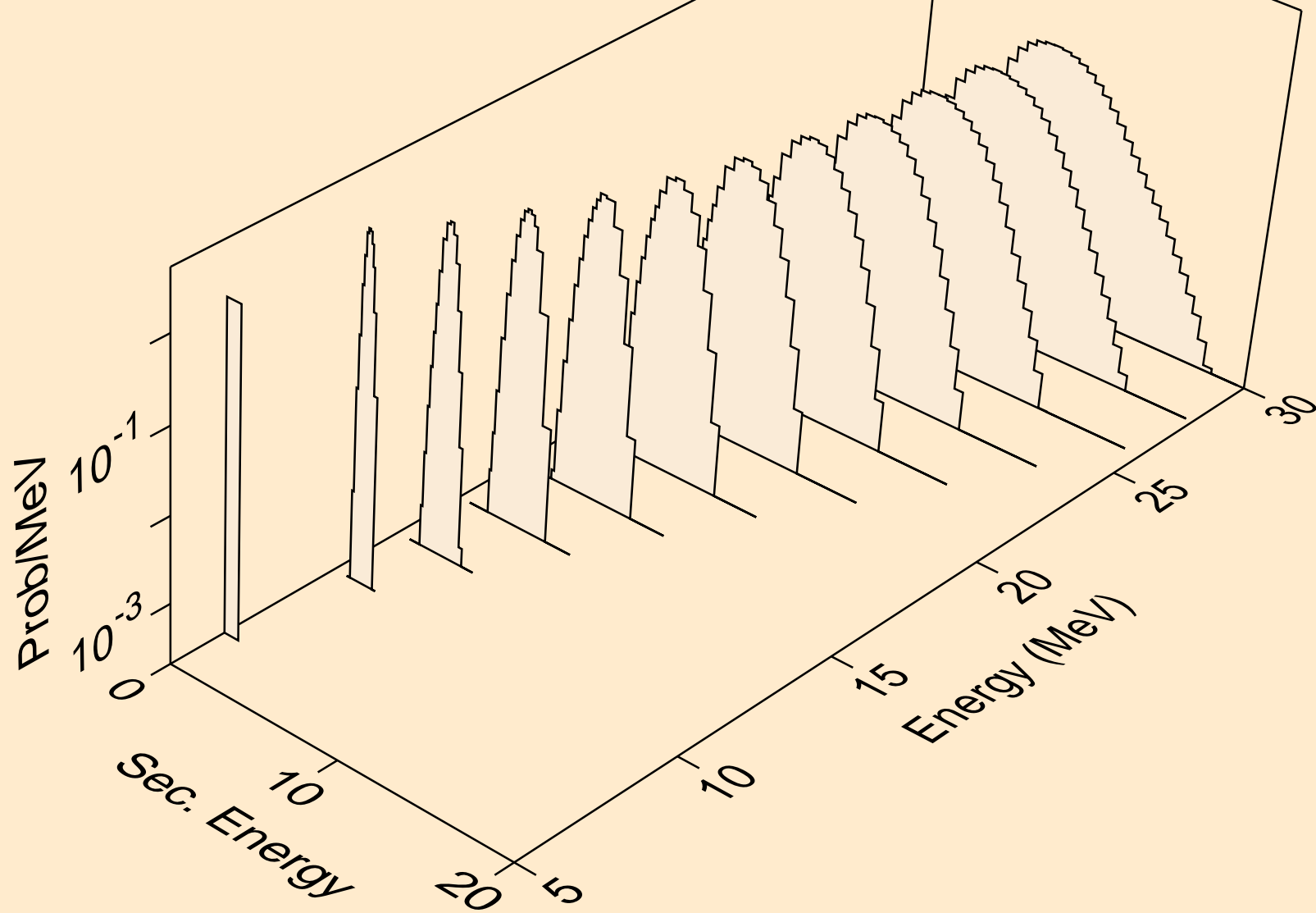
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protons from (n,2np)



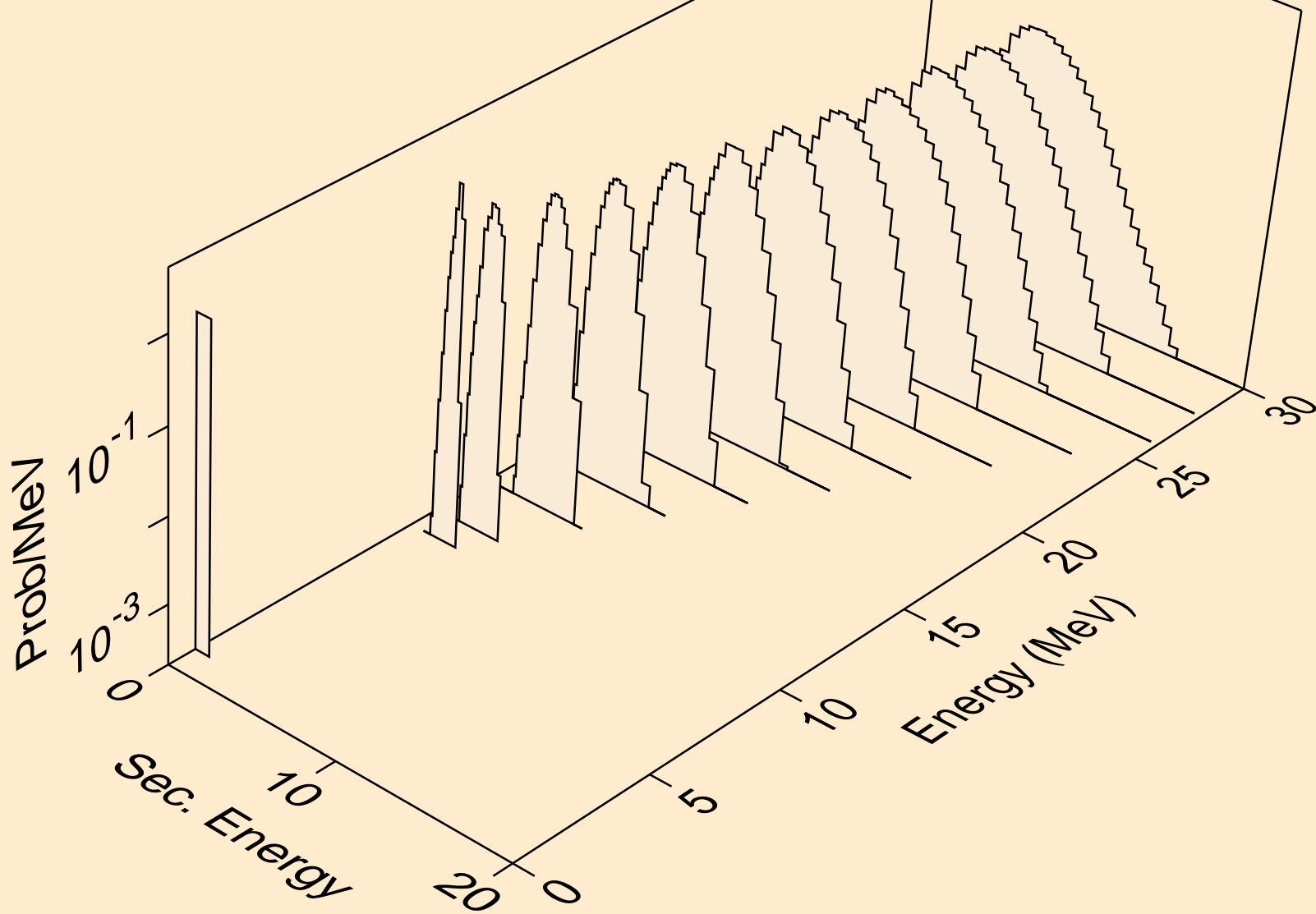
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protons from (n,3np)



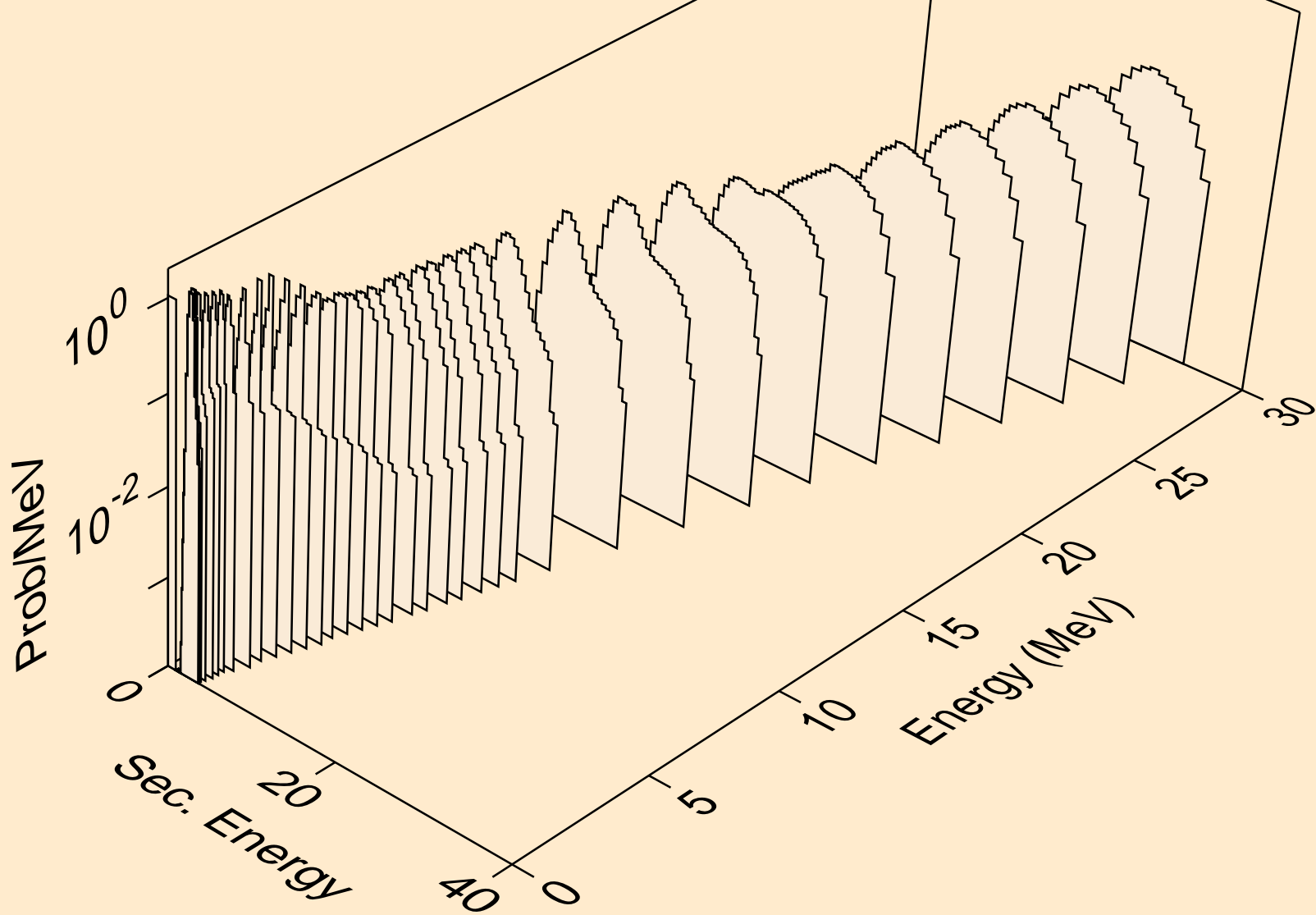
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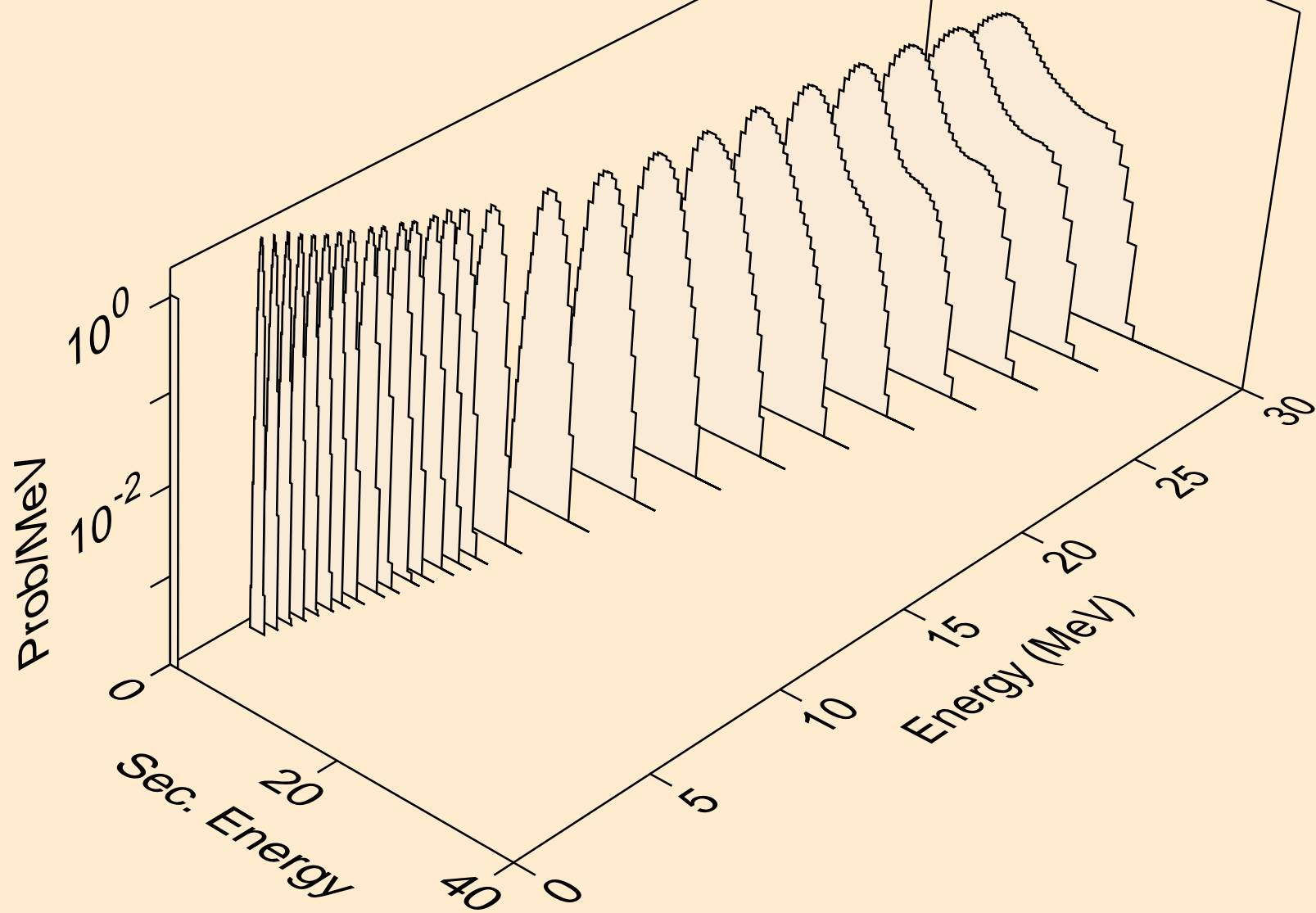
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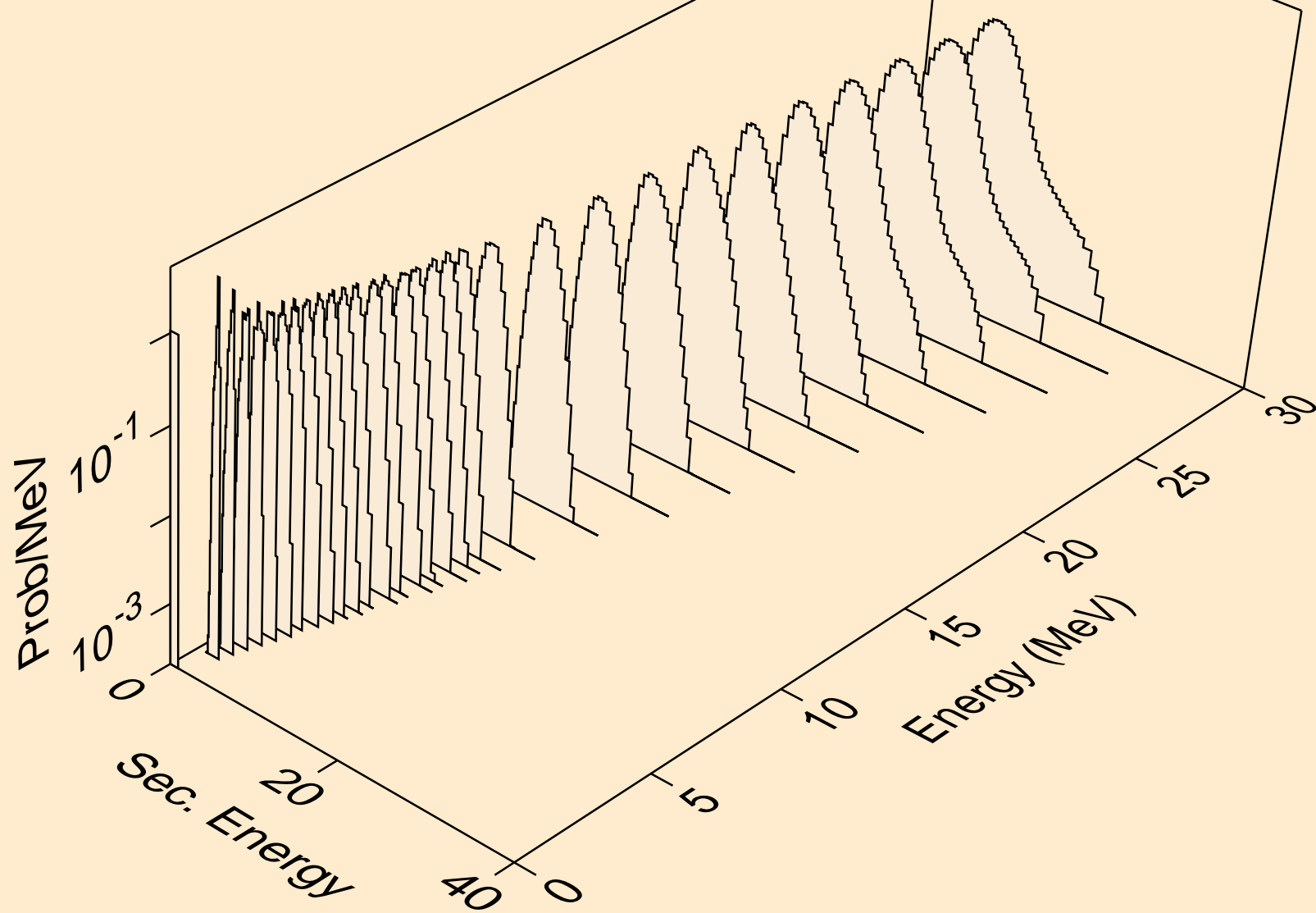
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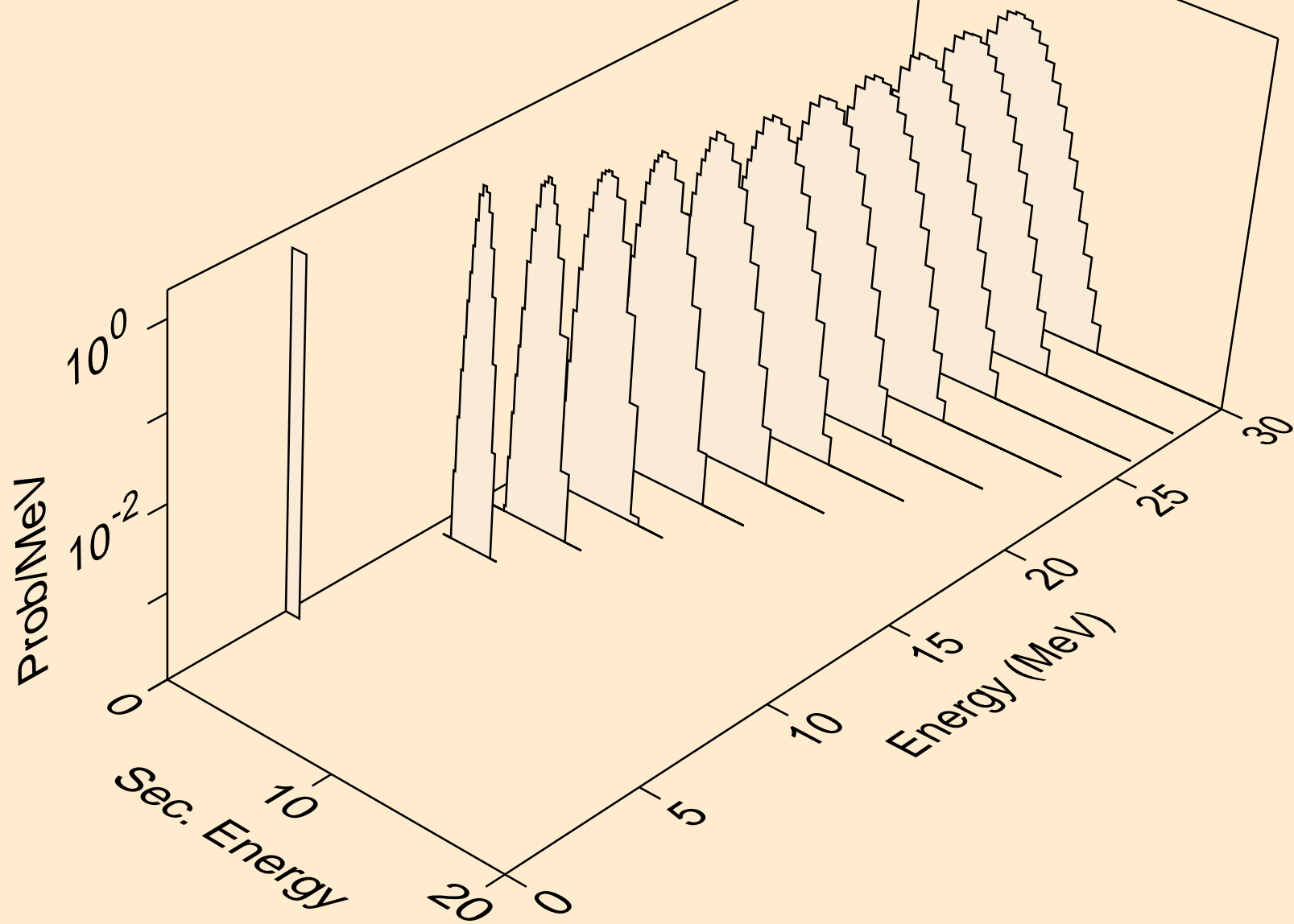
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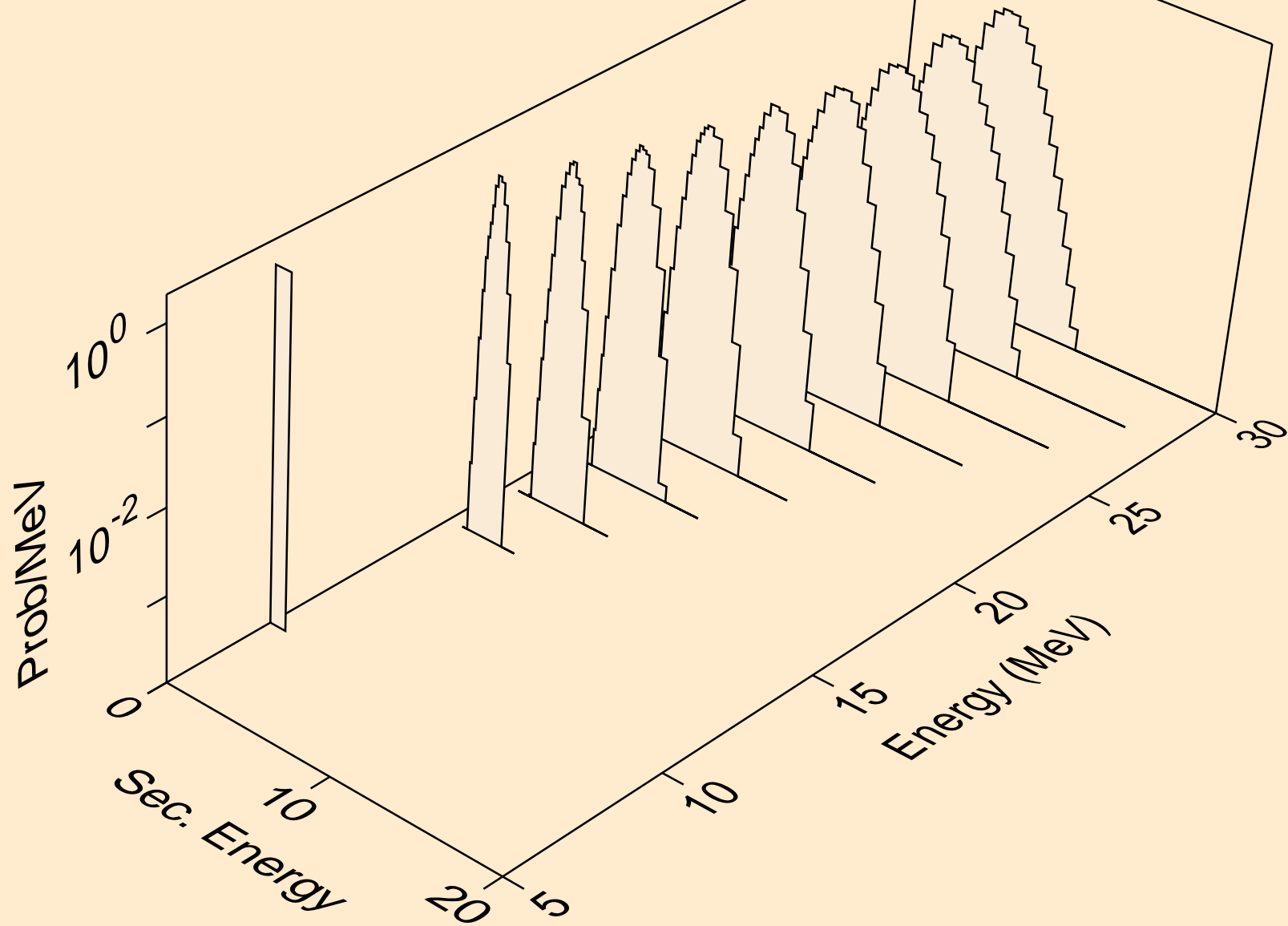
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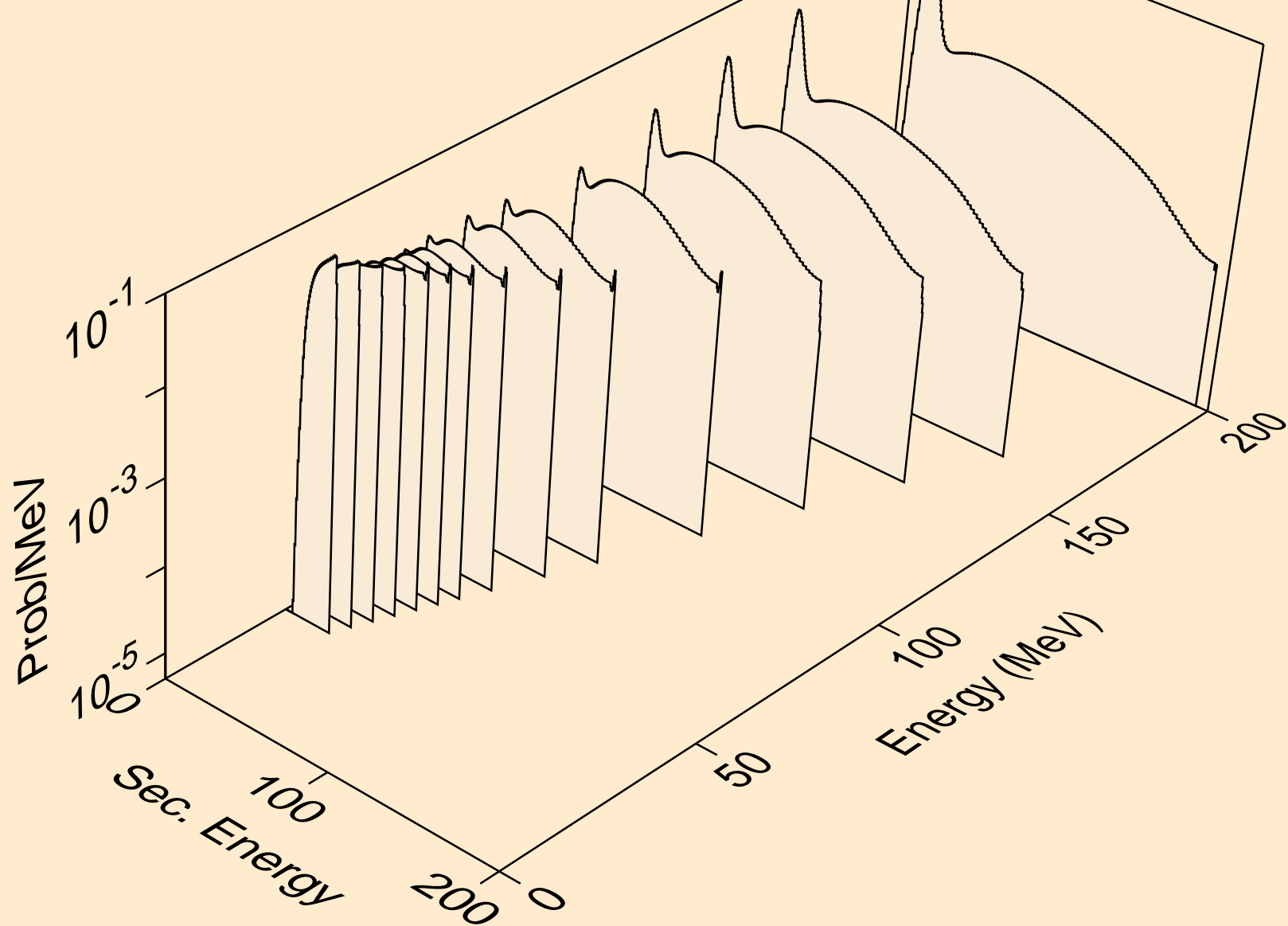
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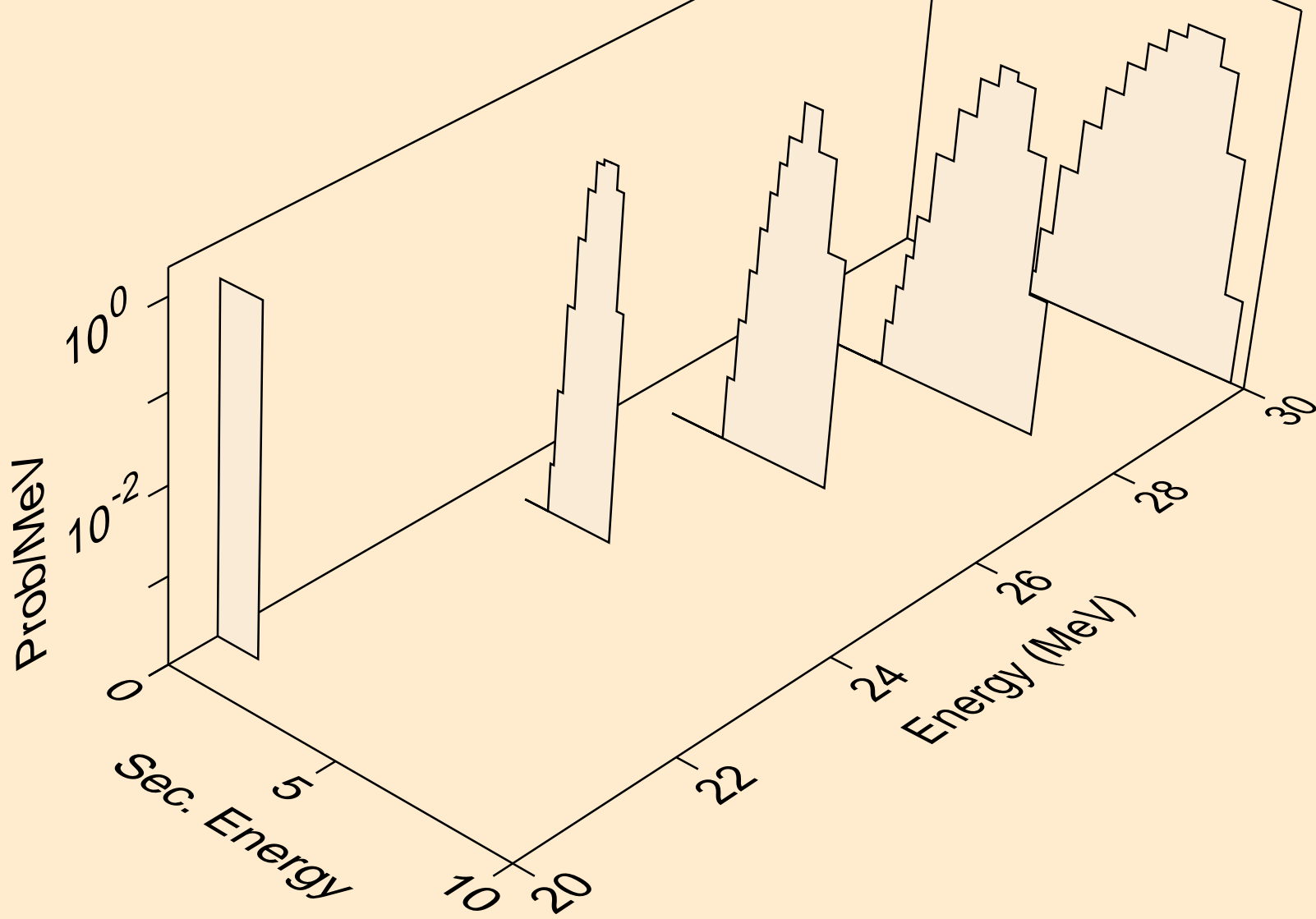
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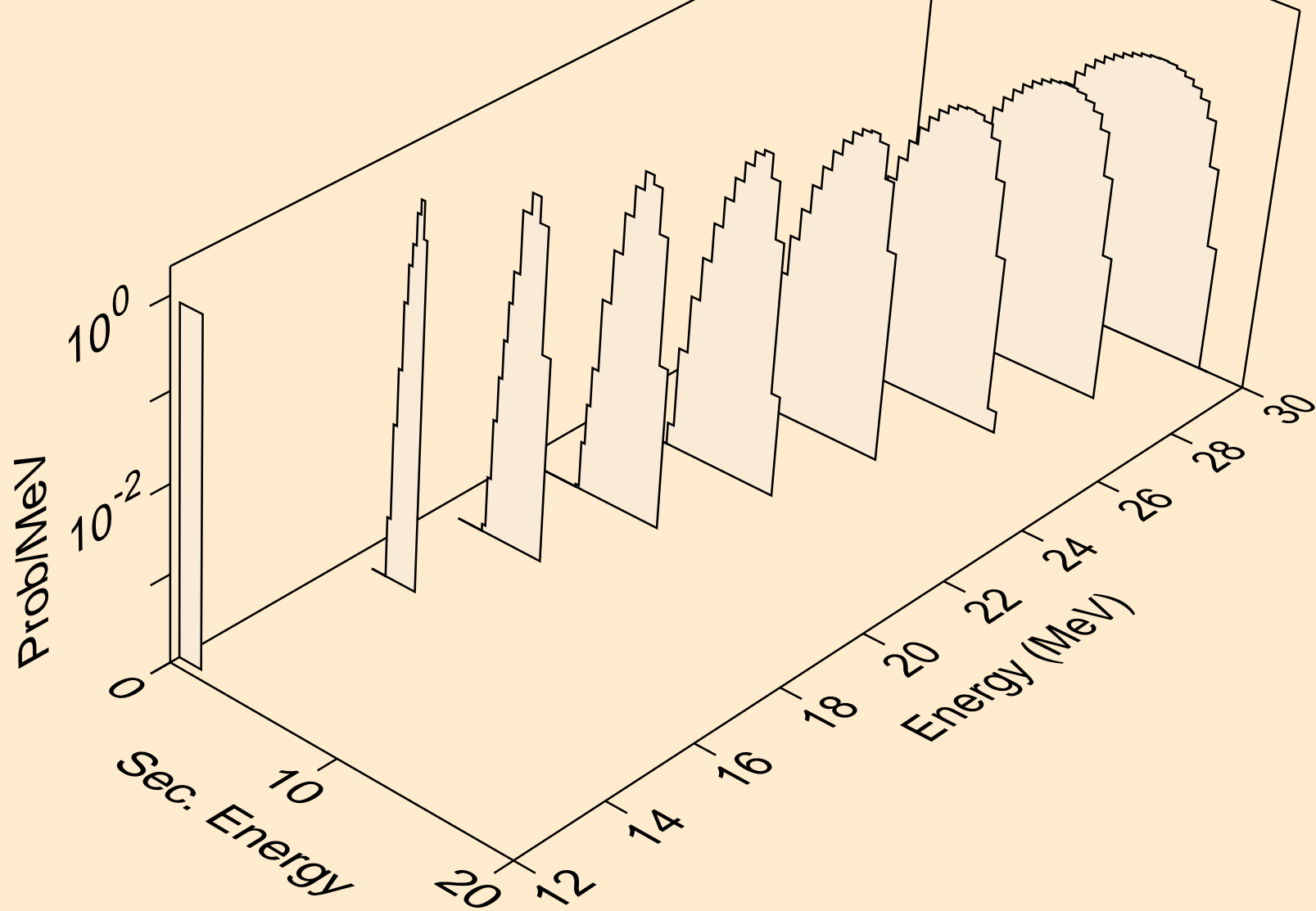
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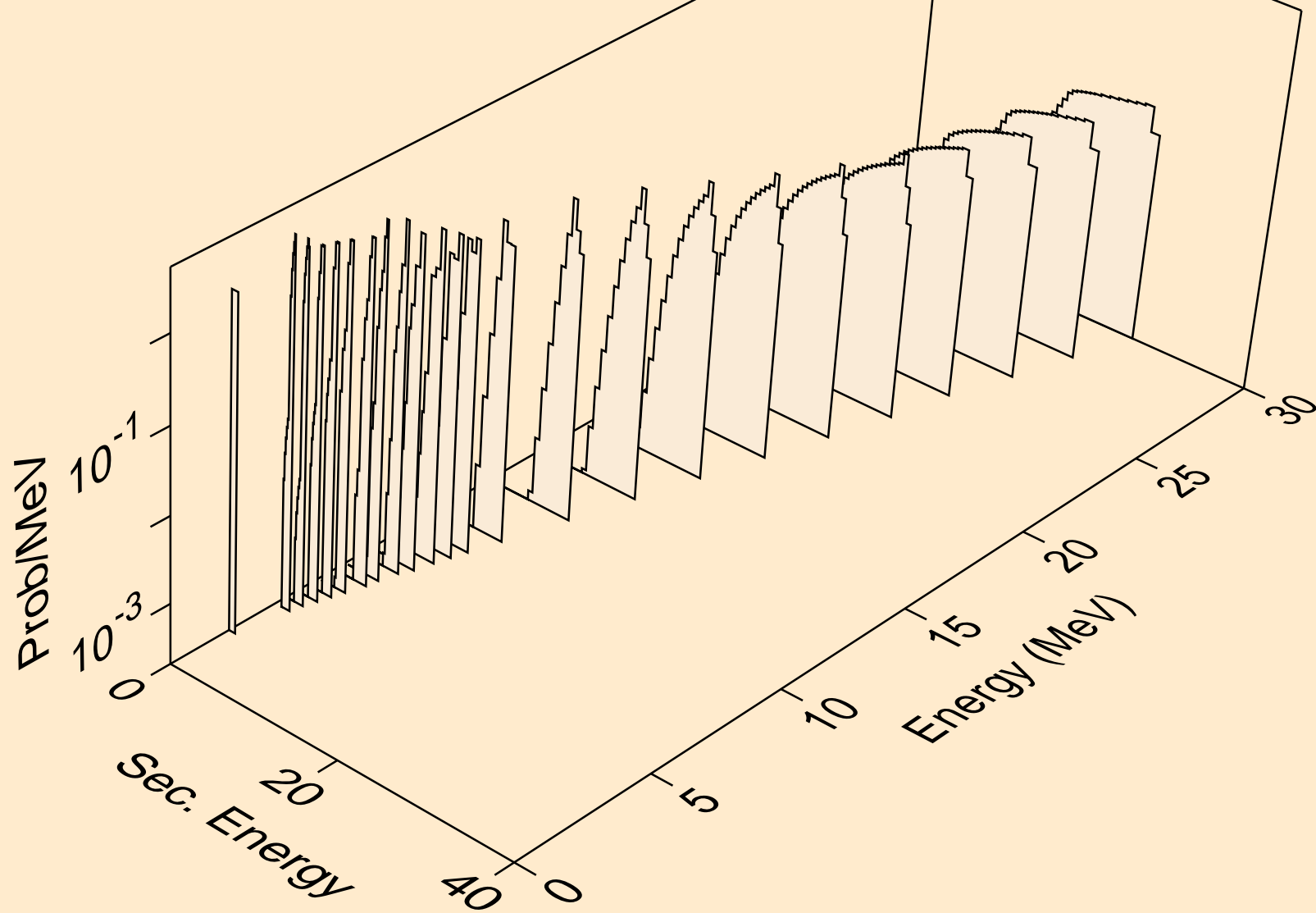
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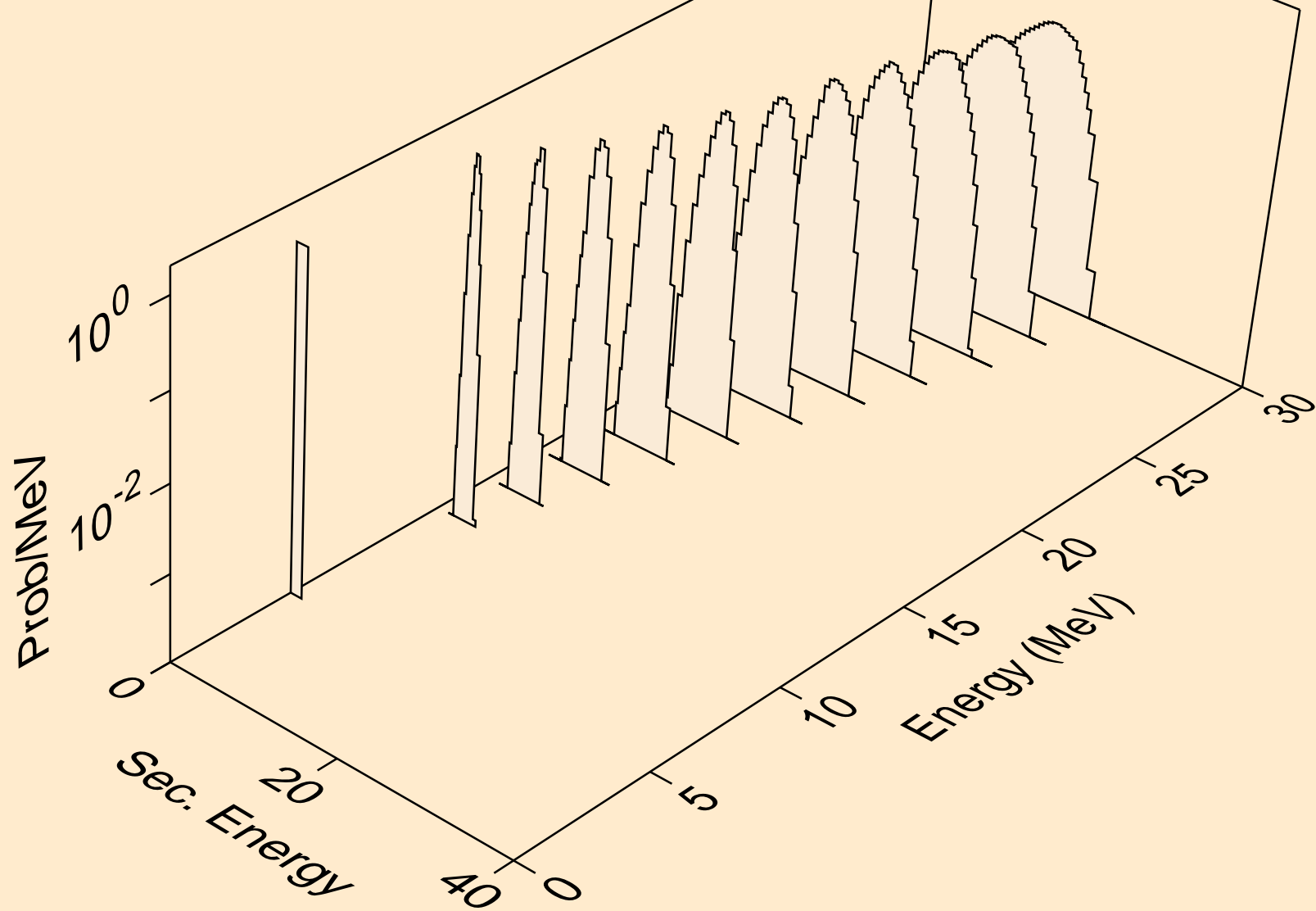
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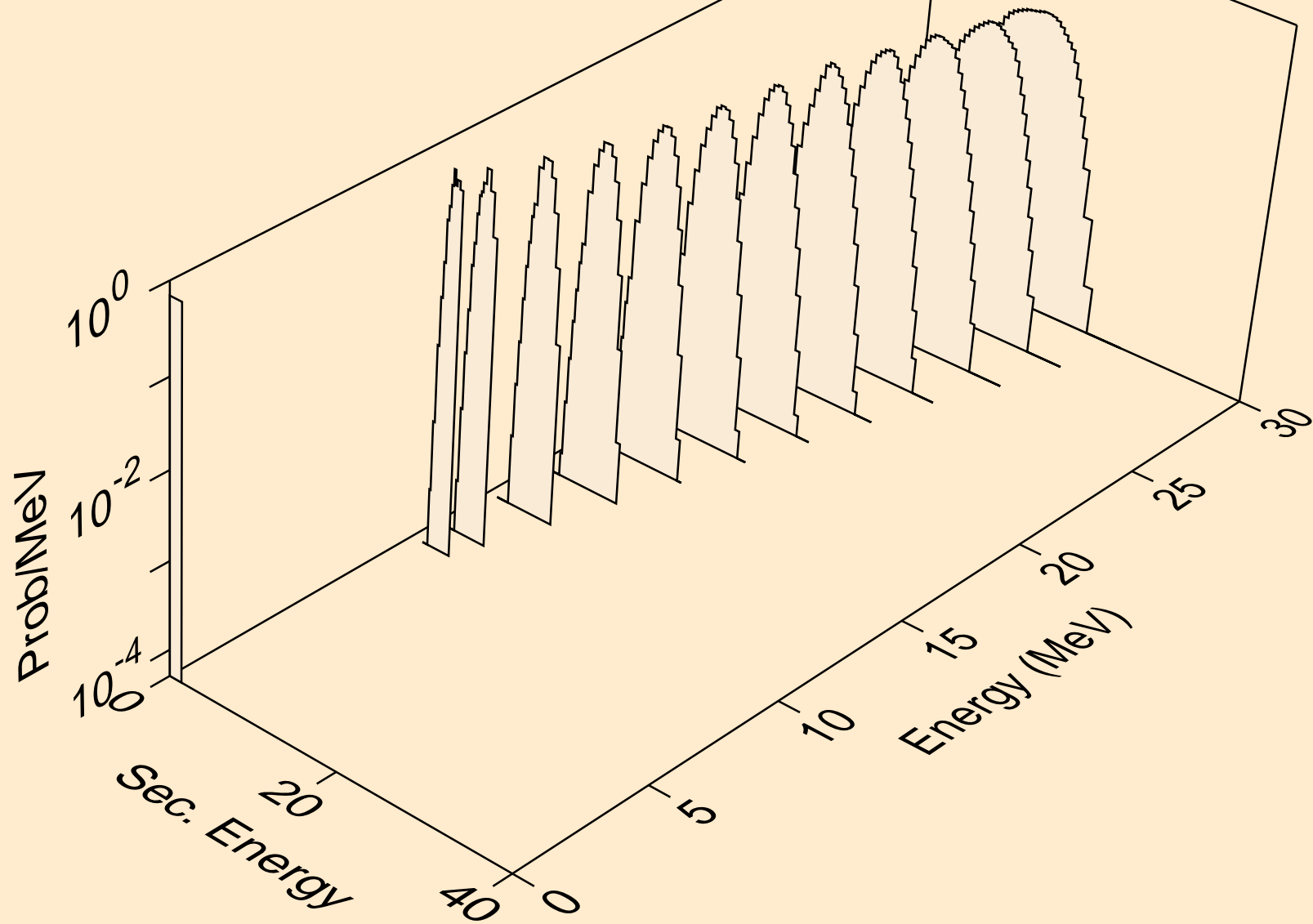
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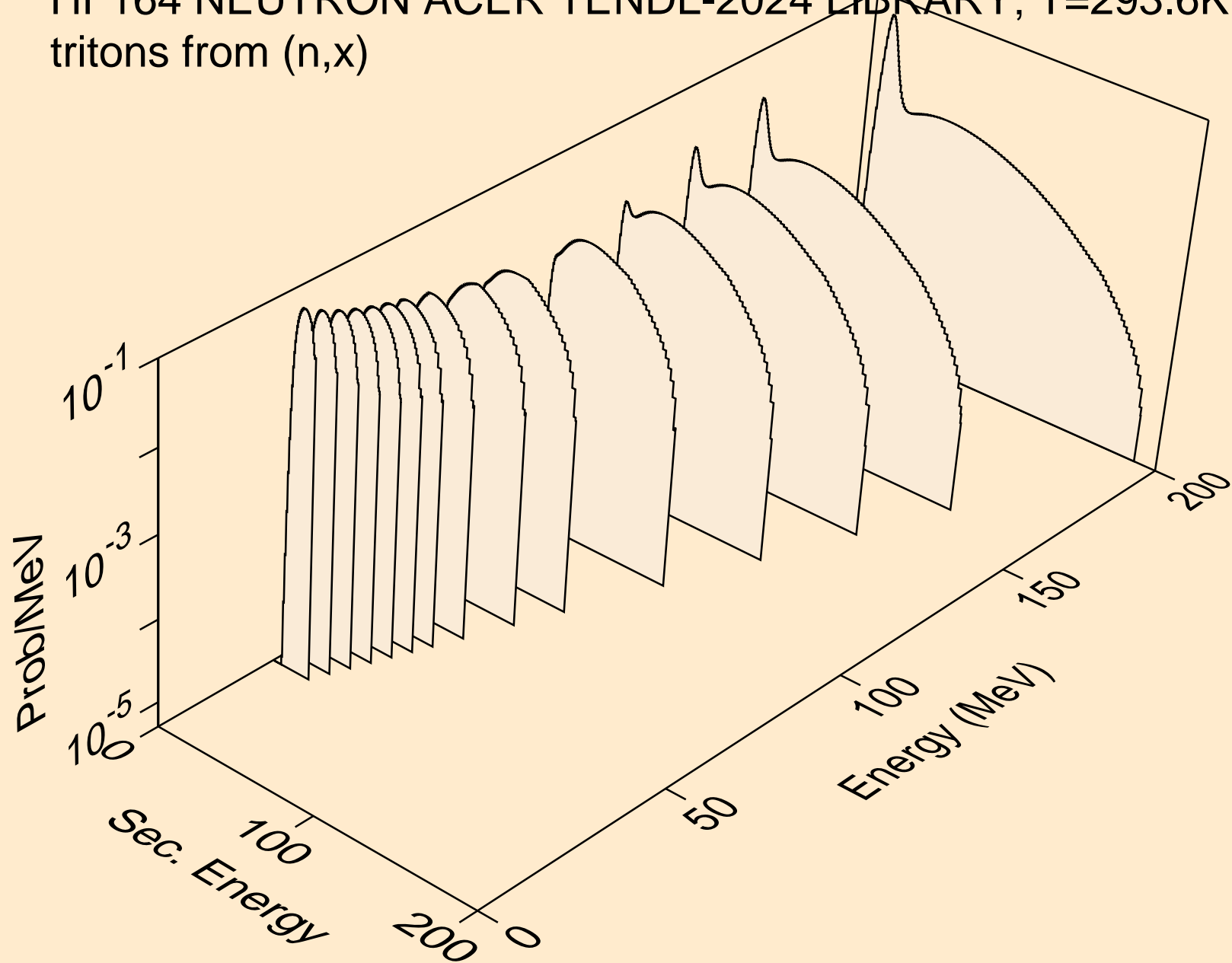
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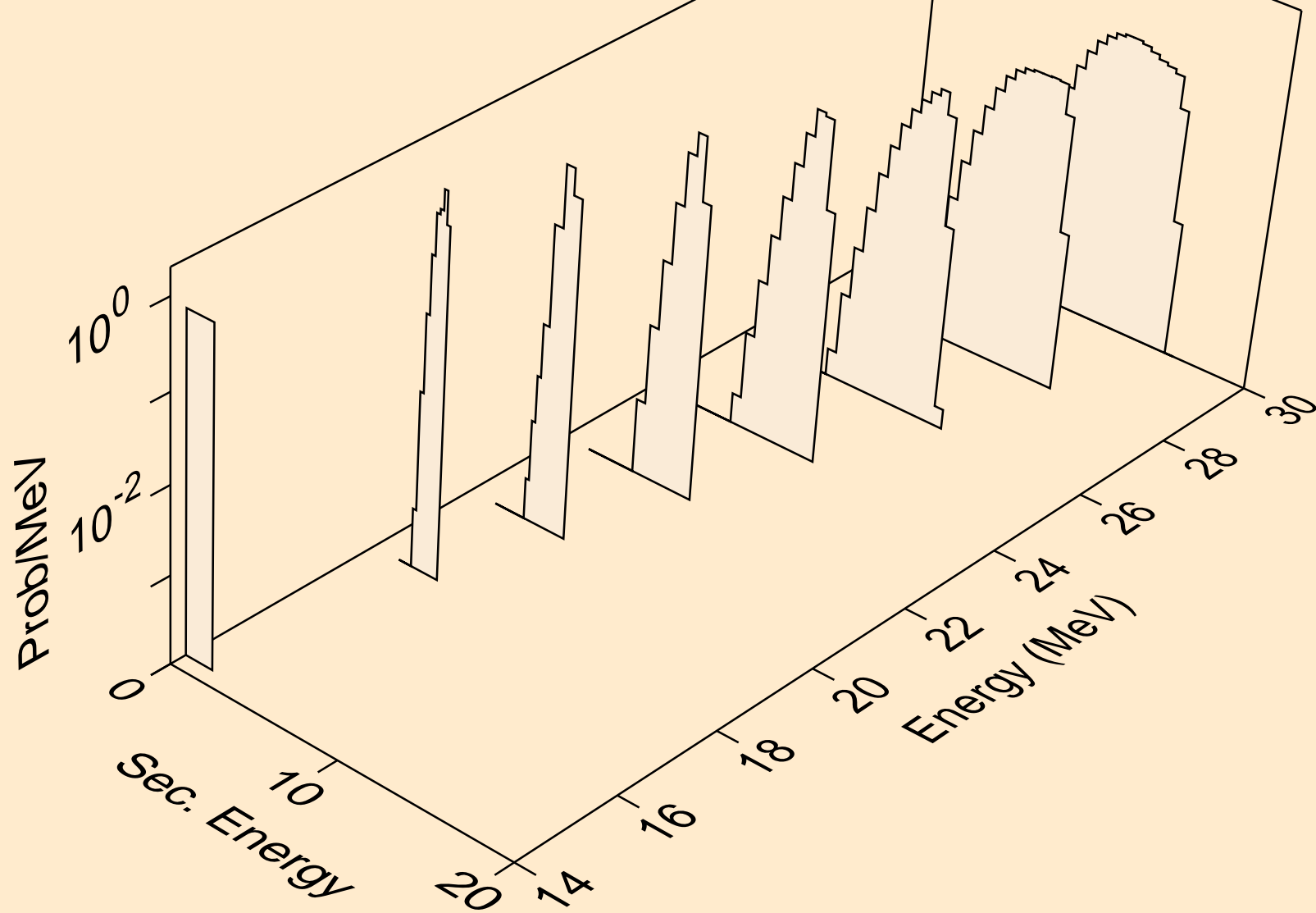
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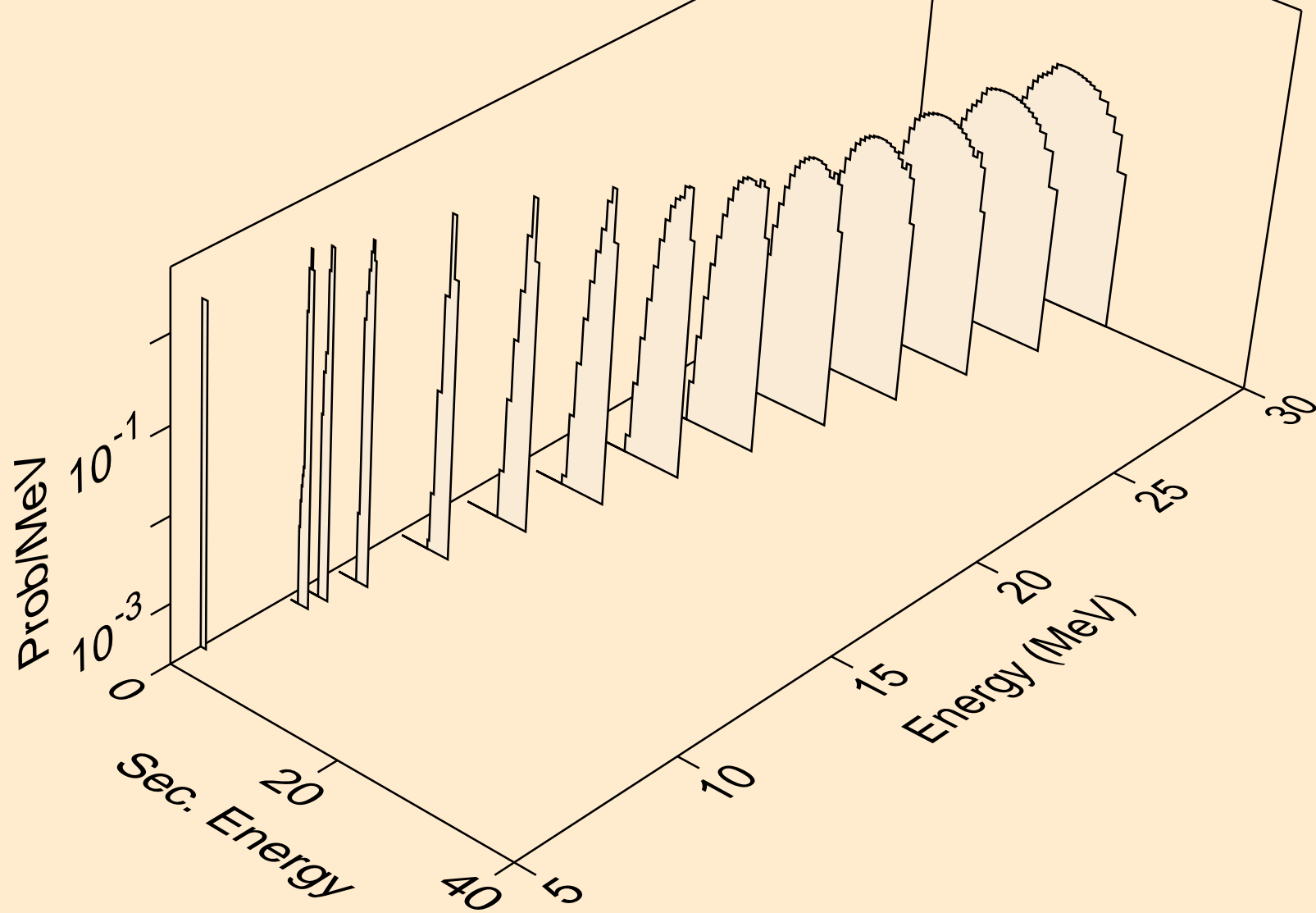
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tritons from (n,x)



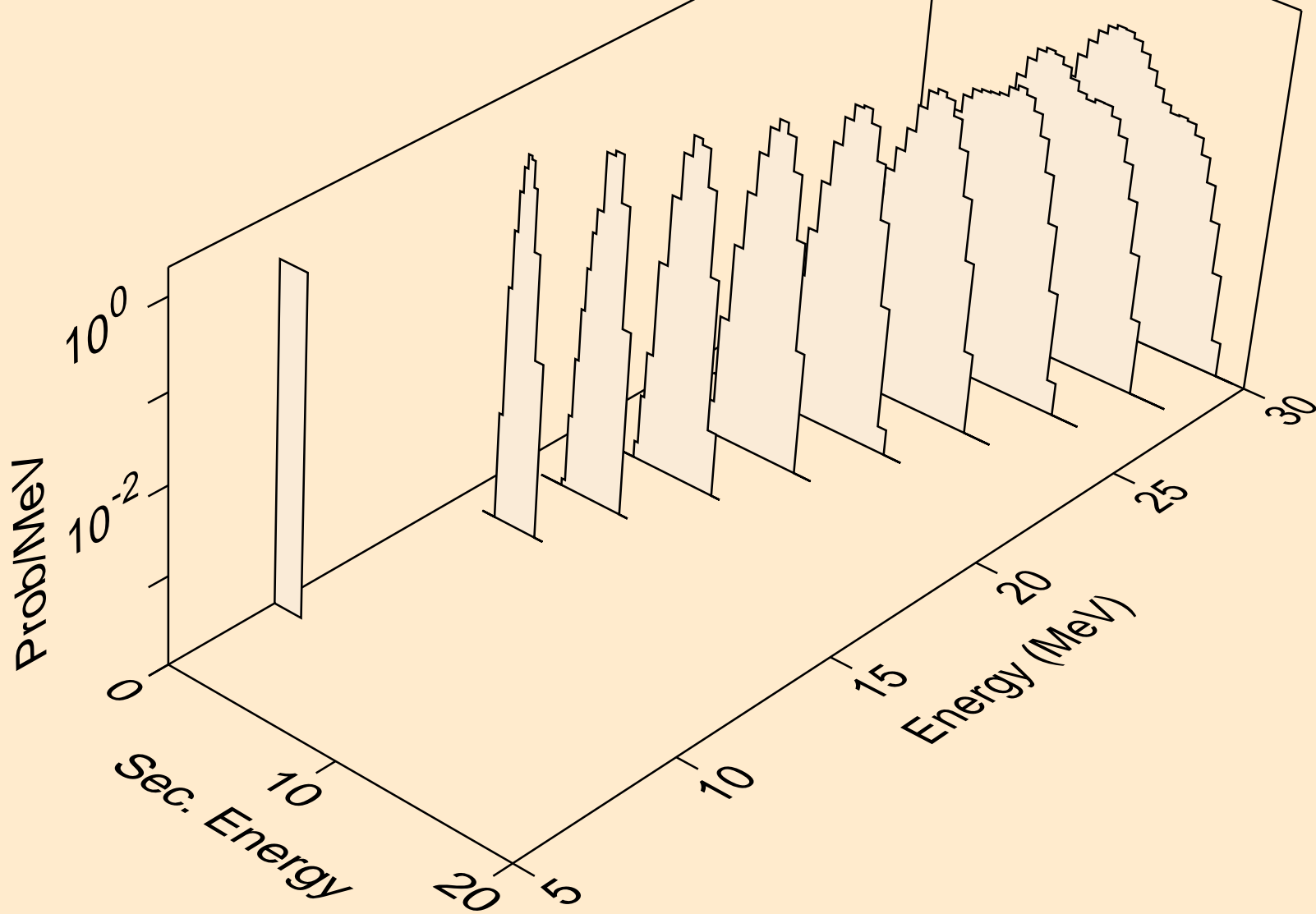
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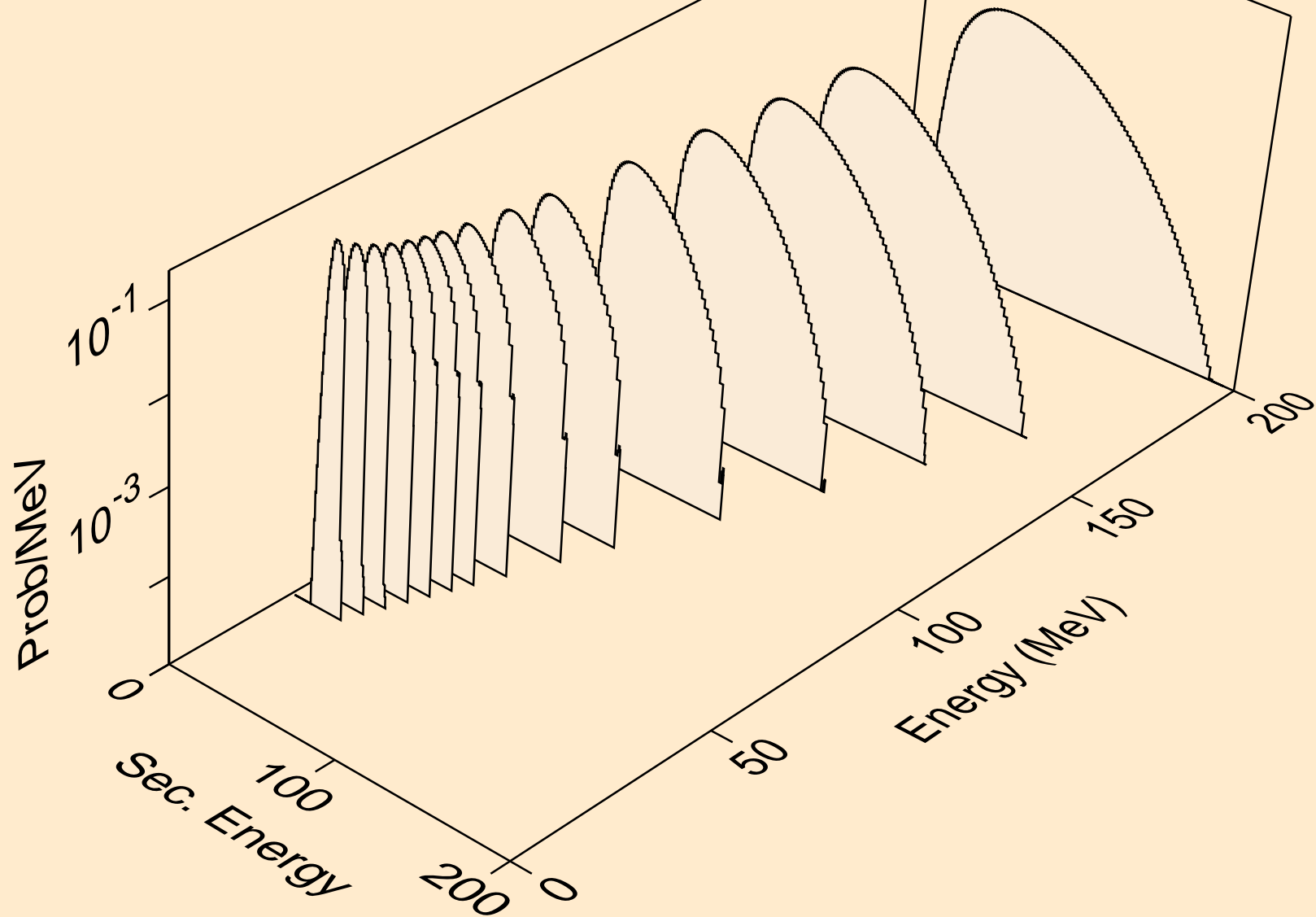
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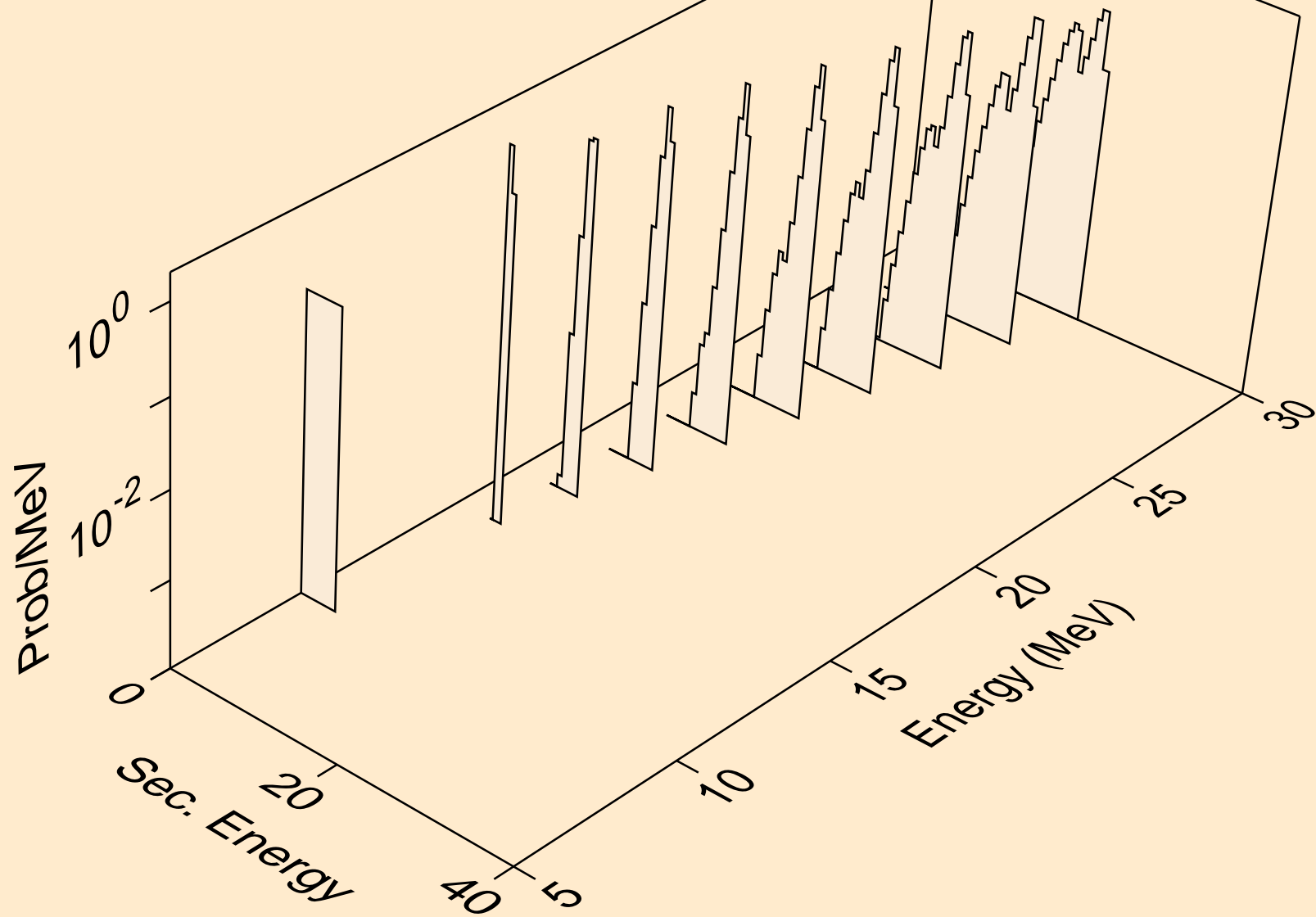
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tritons from (n,pt)



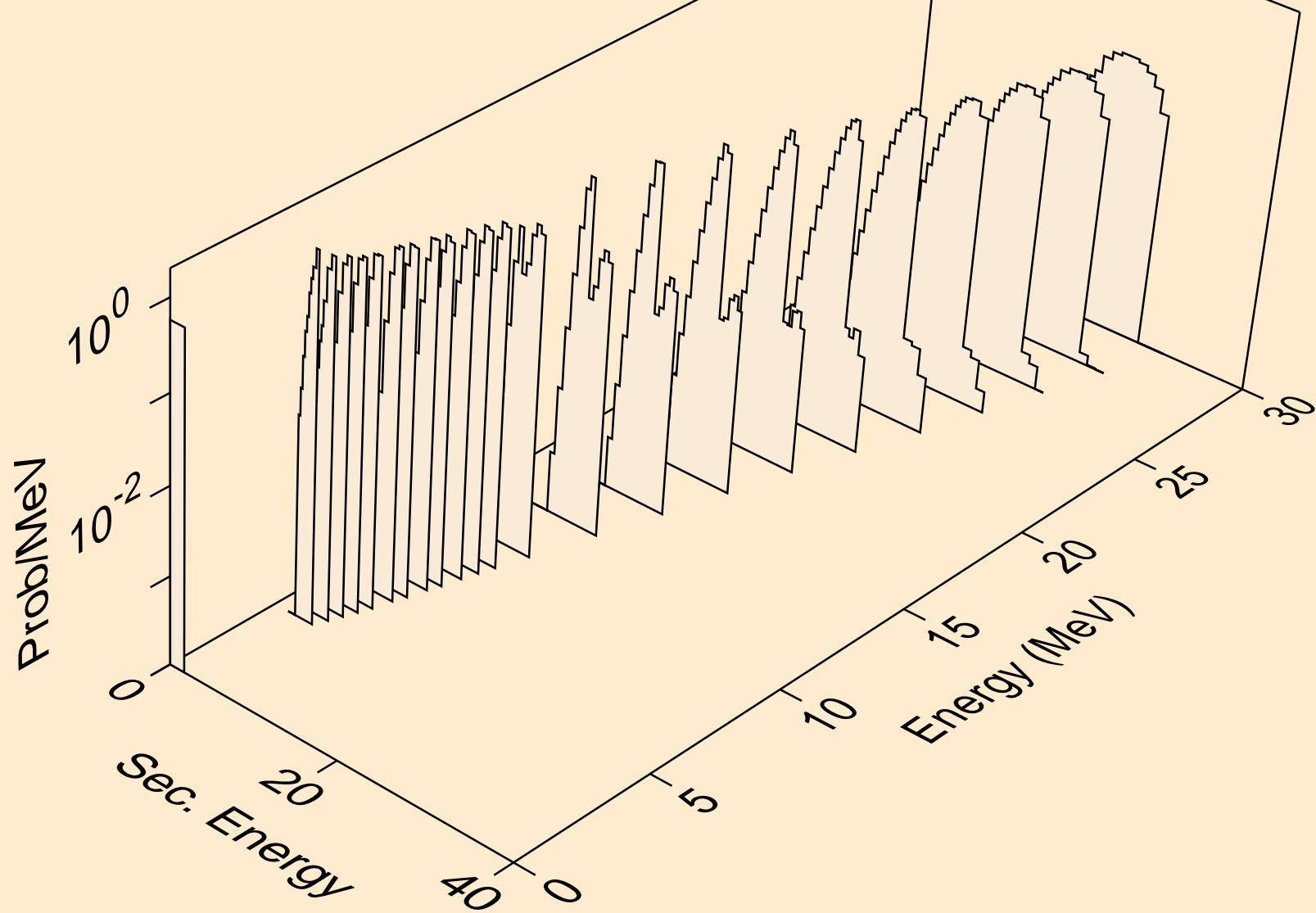
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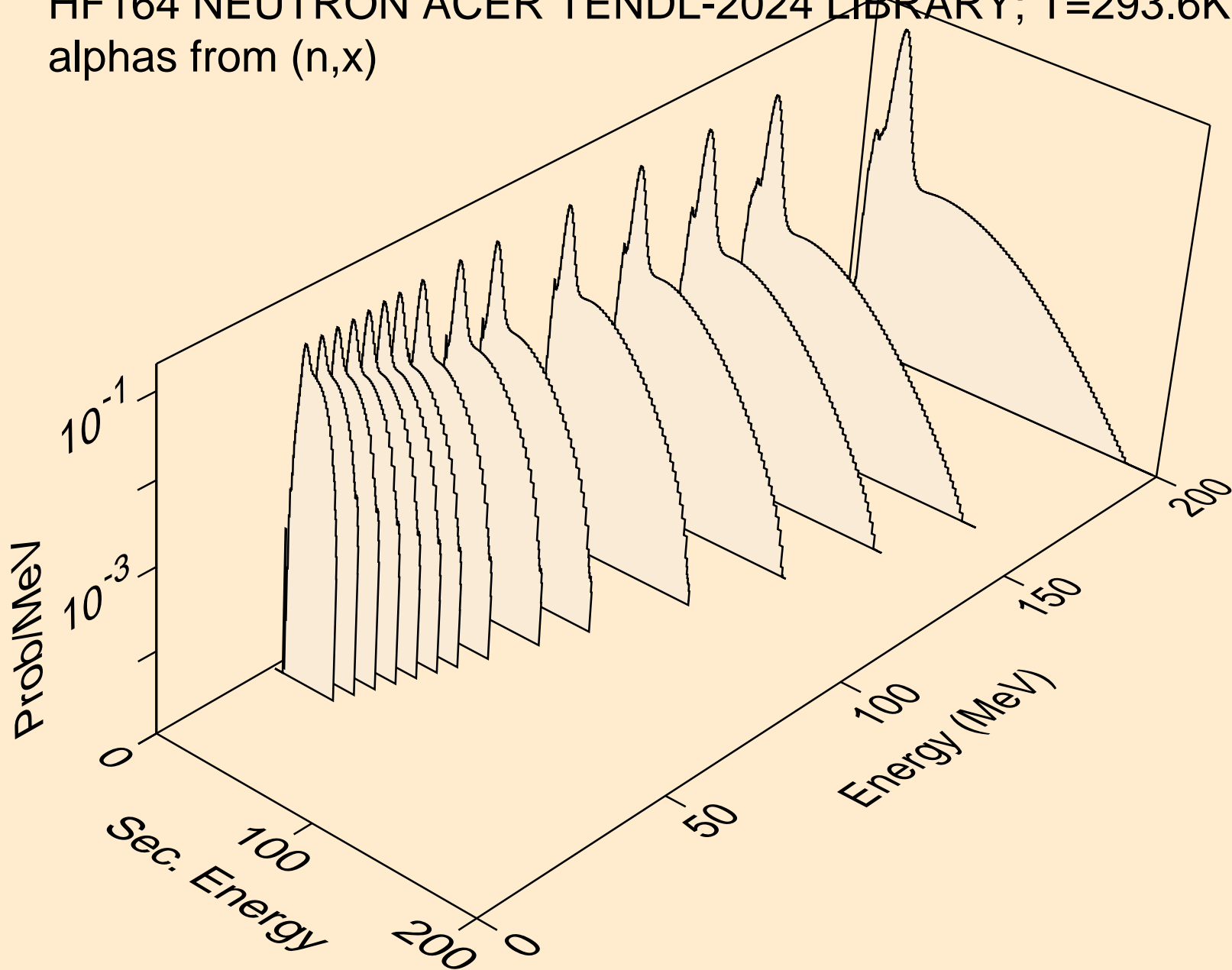
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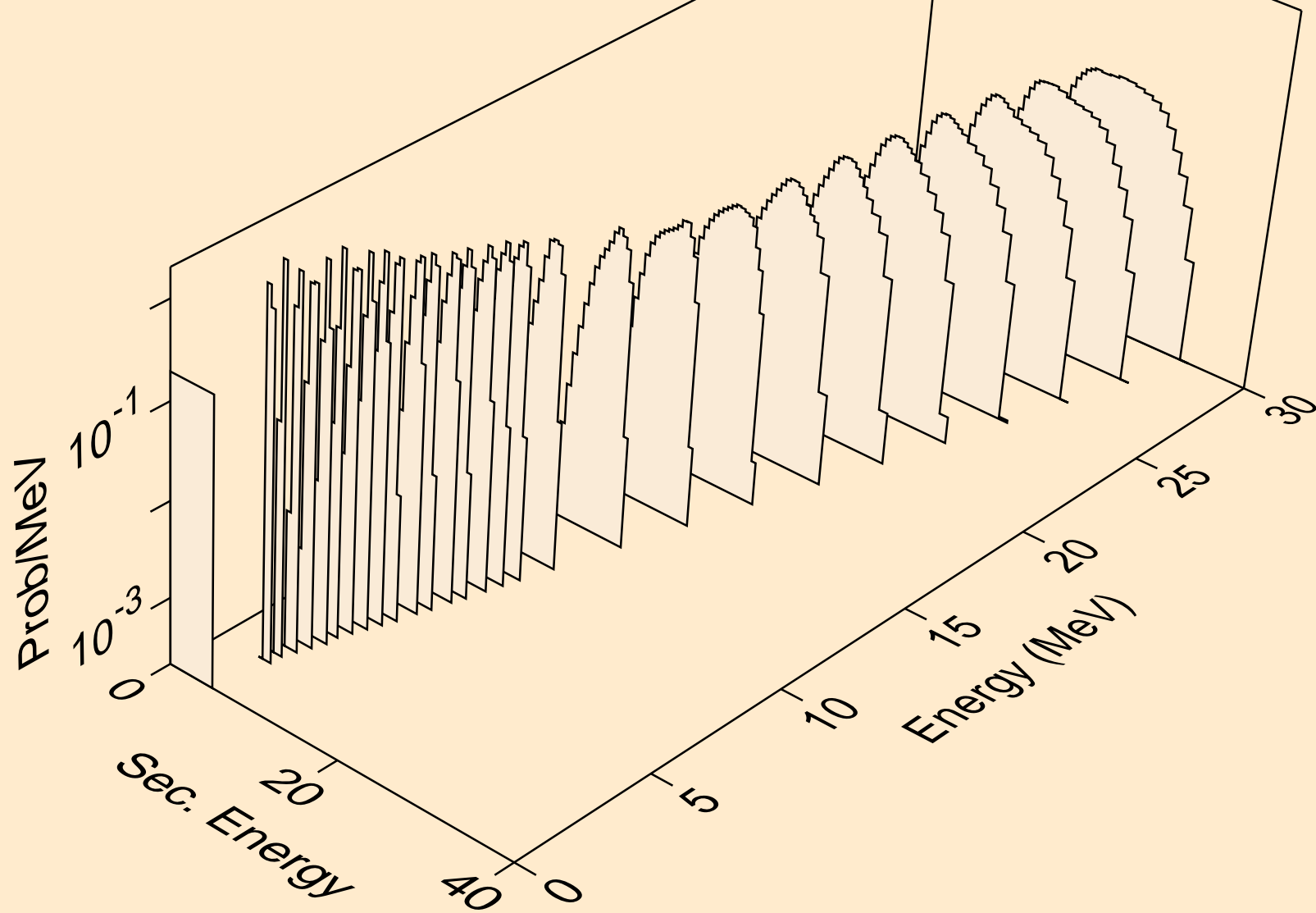
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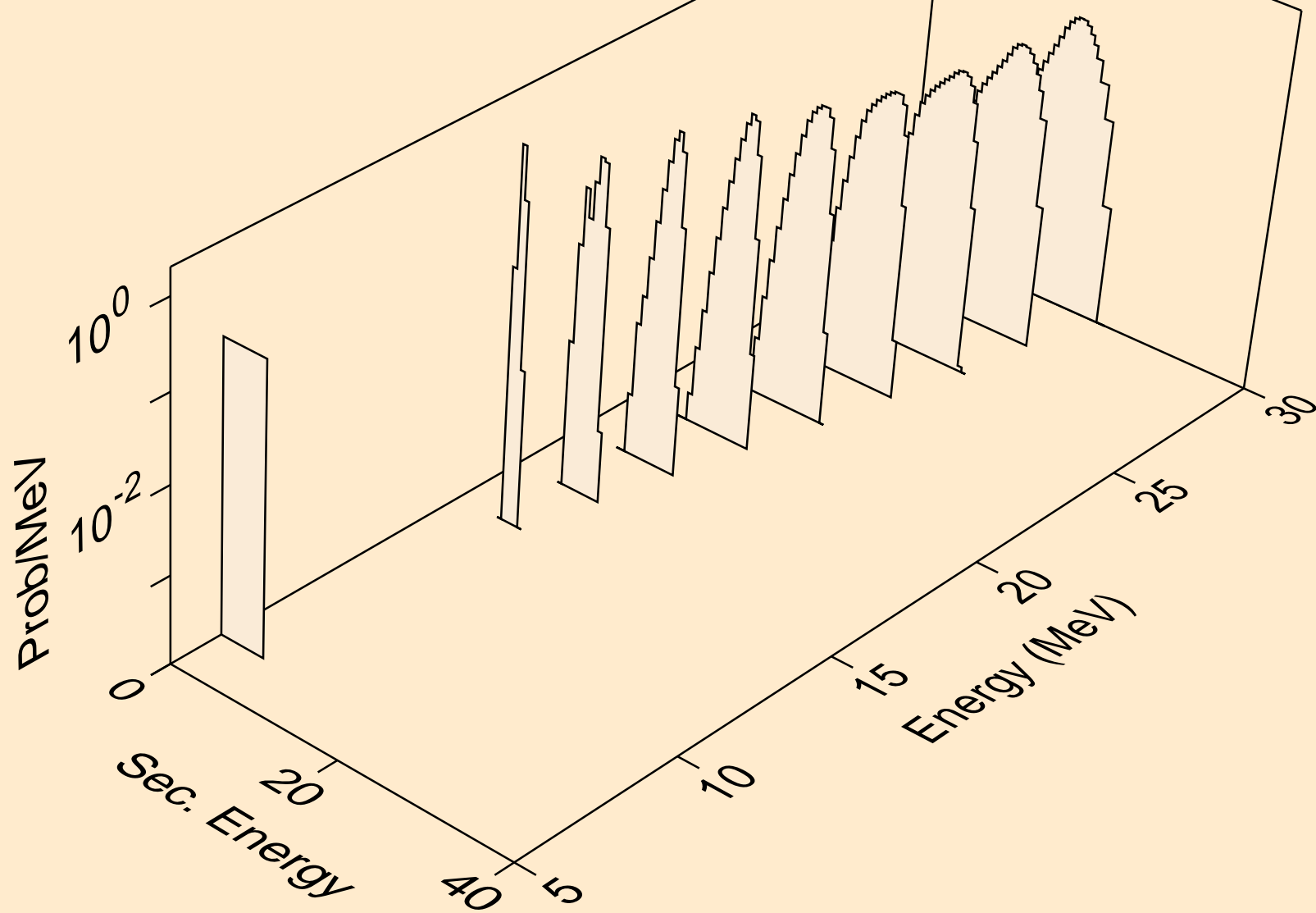
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alphas from (n,x)



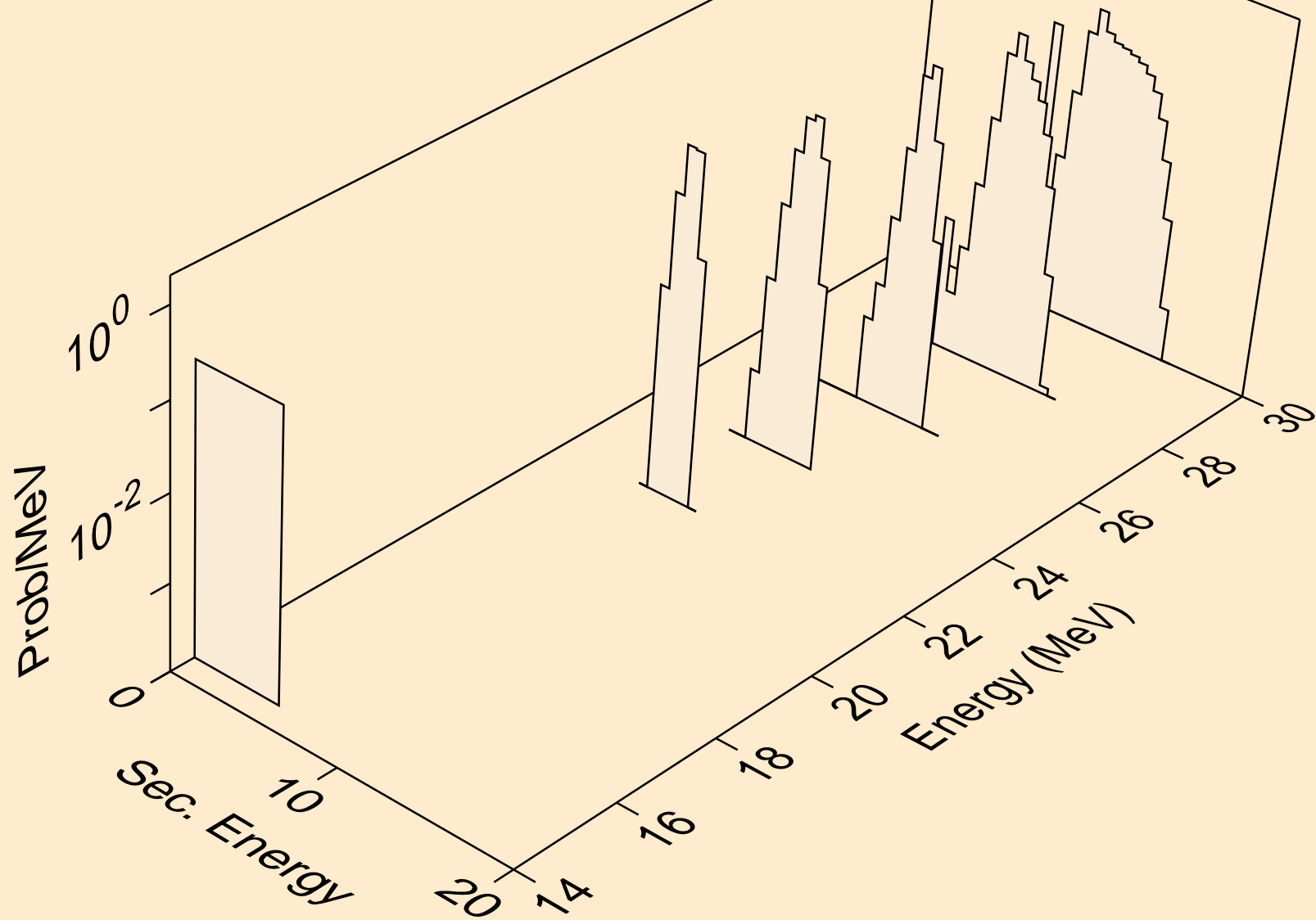
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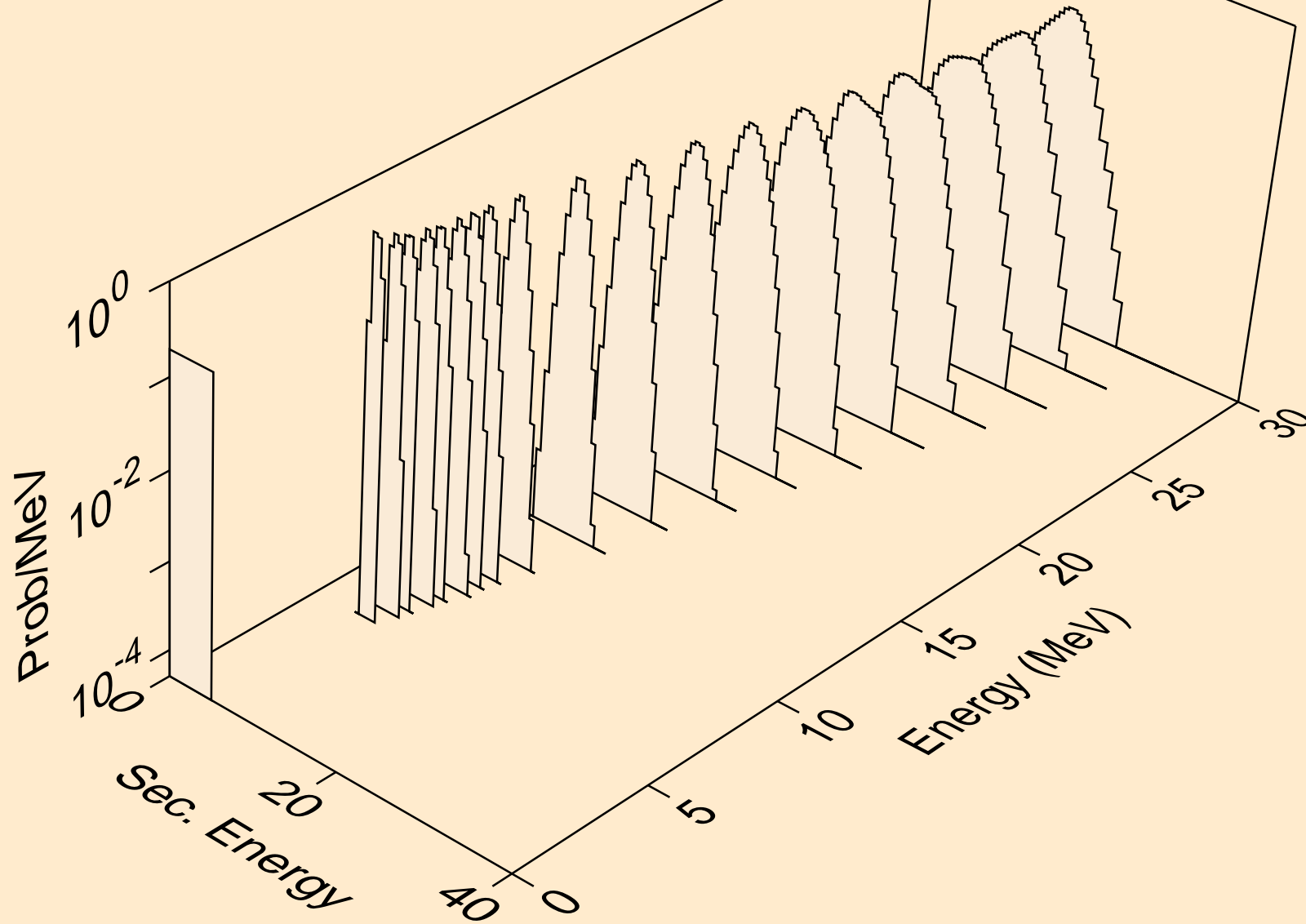
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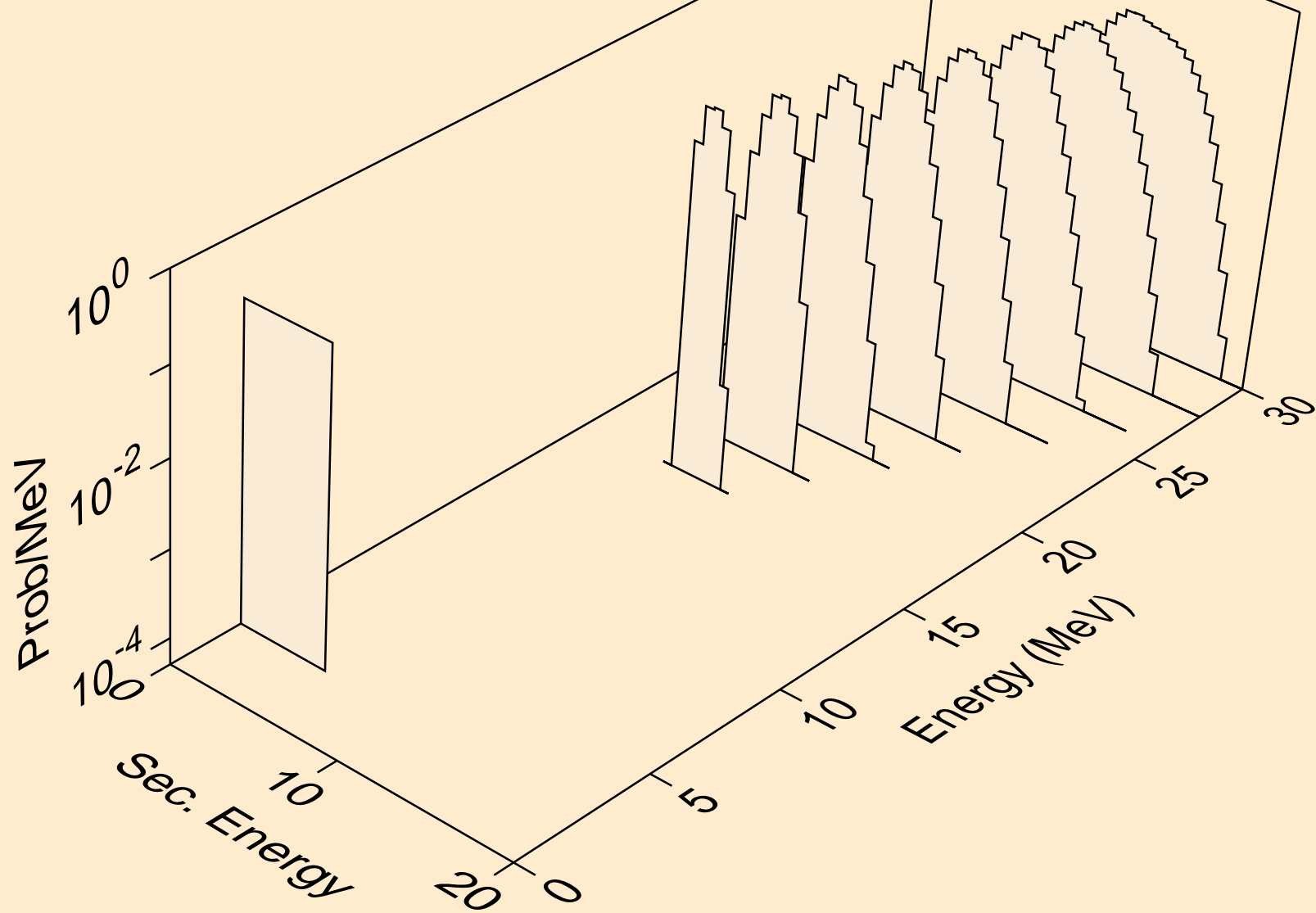
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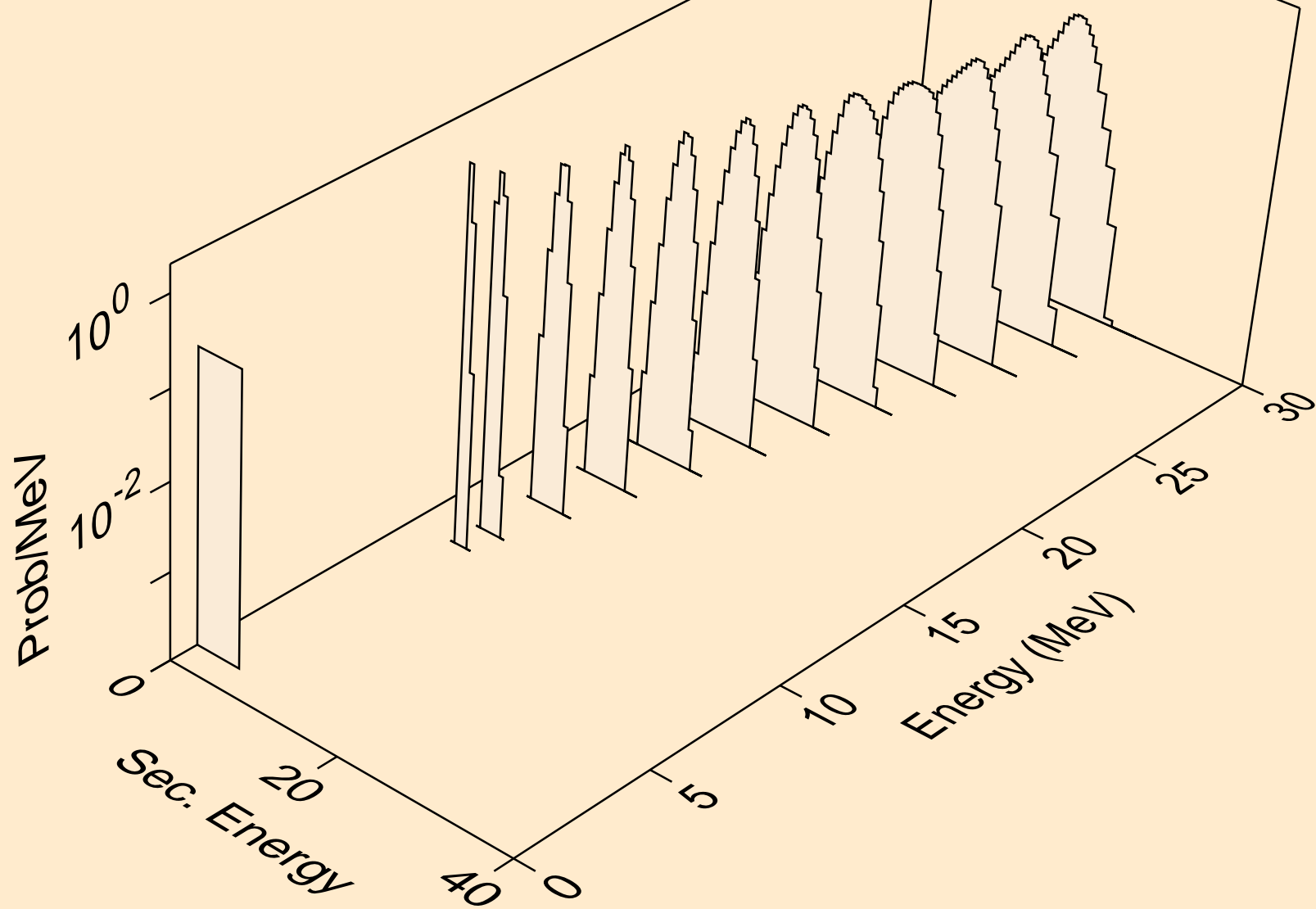
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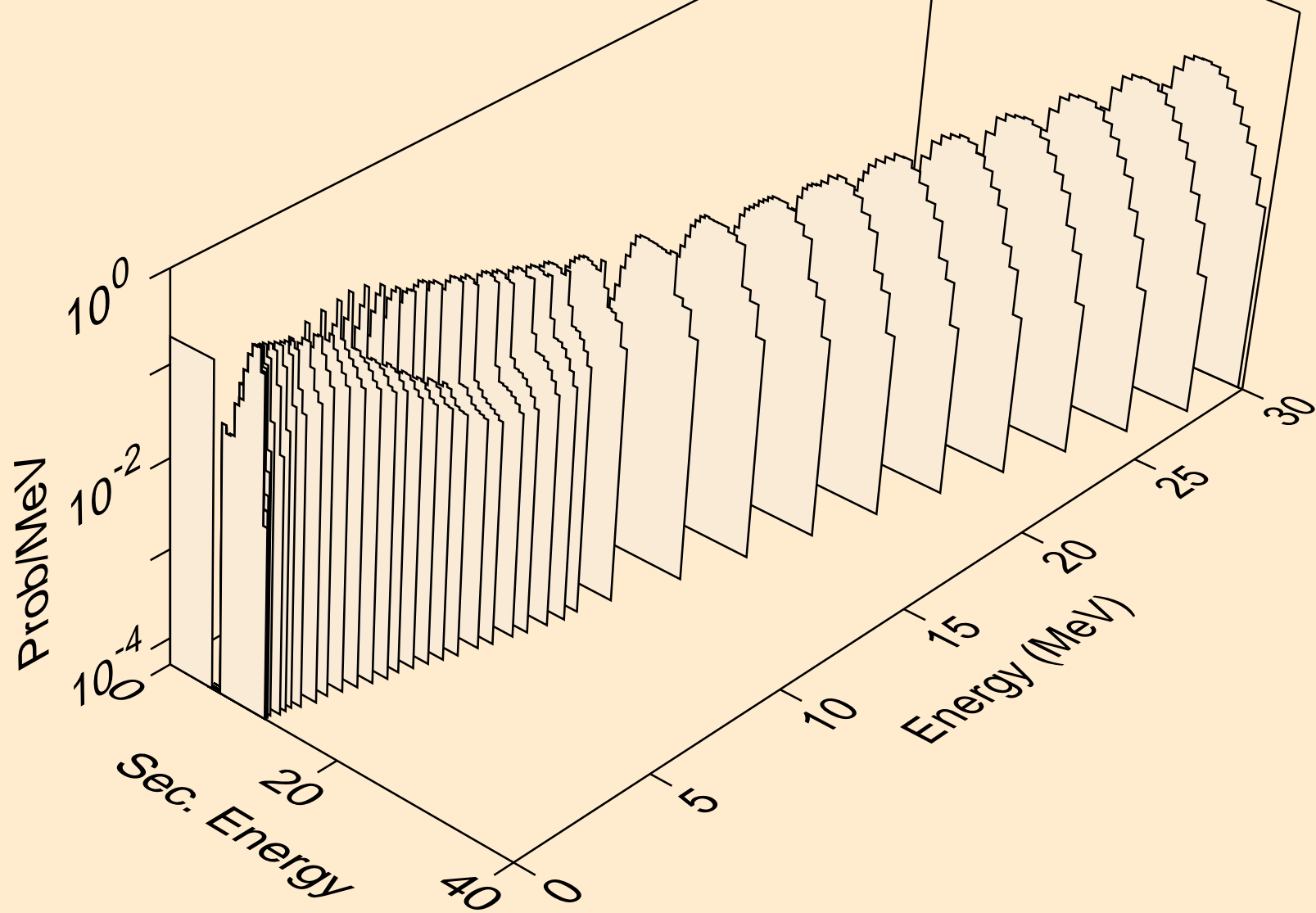
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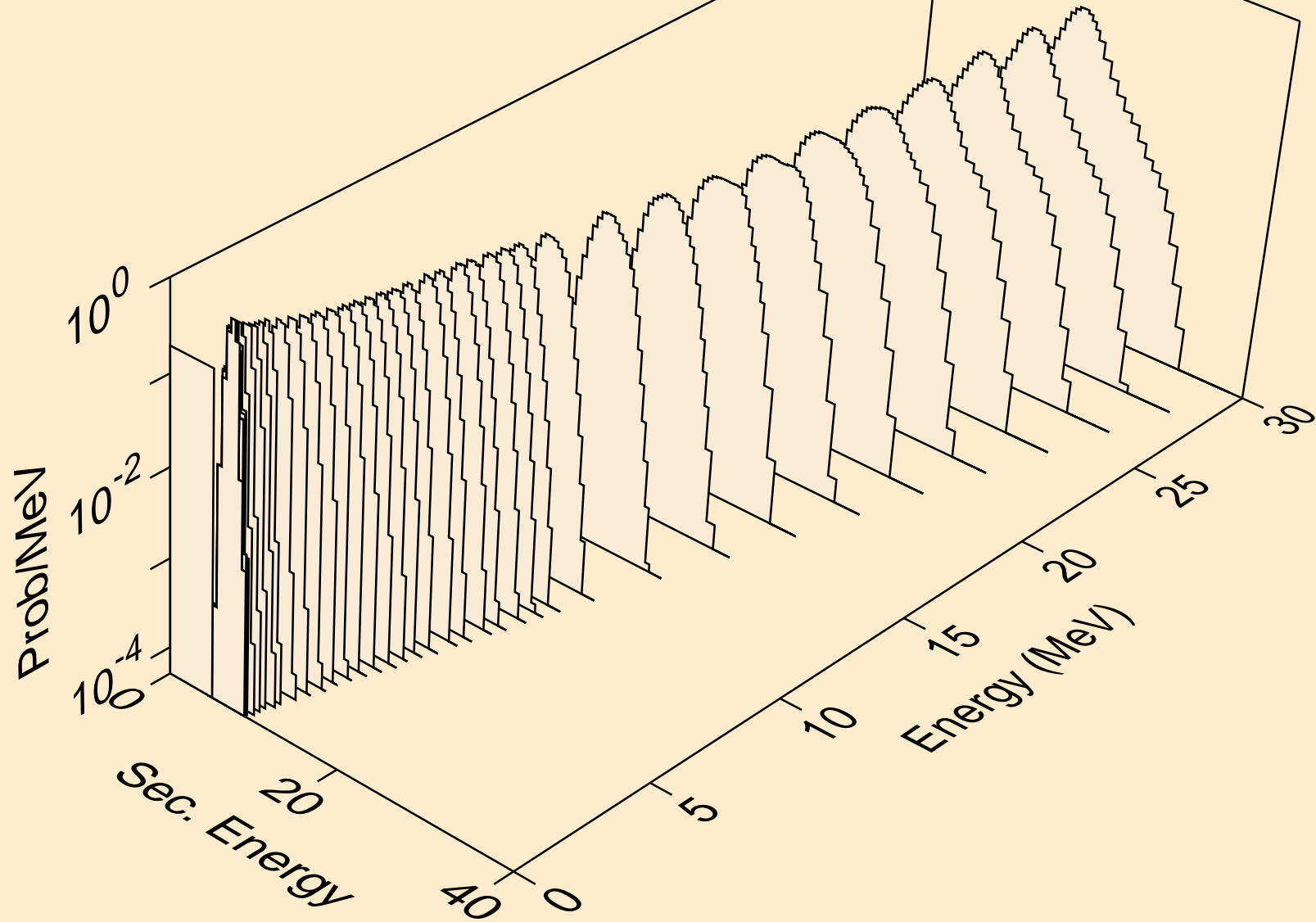
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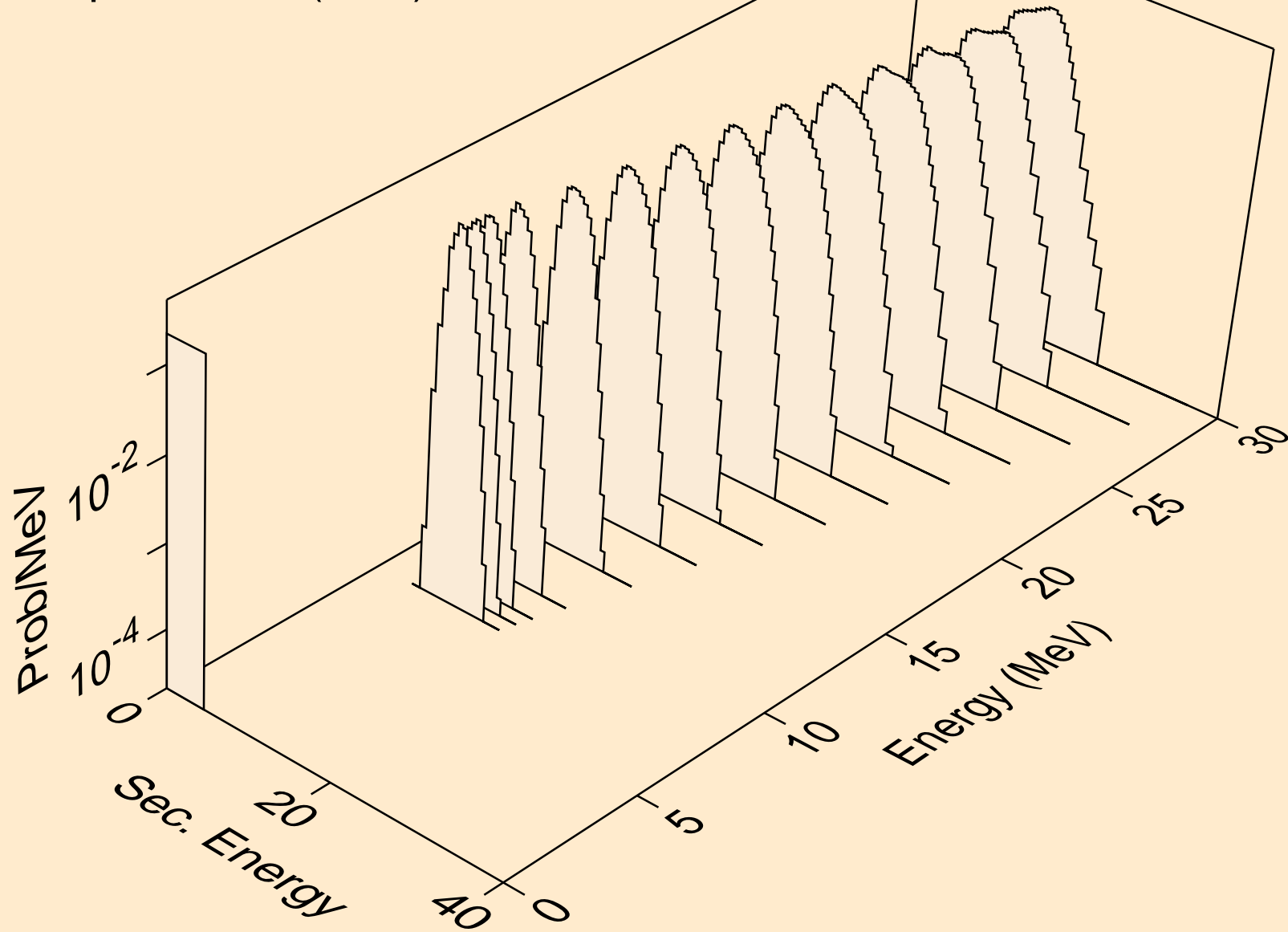
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alphas from (n,a)



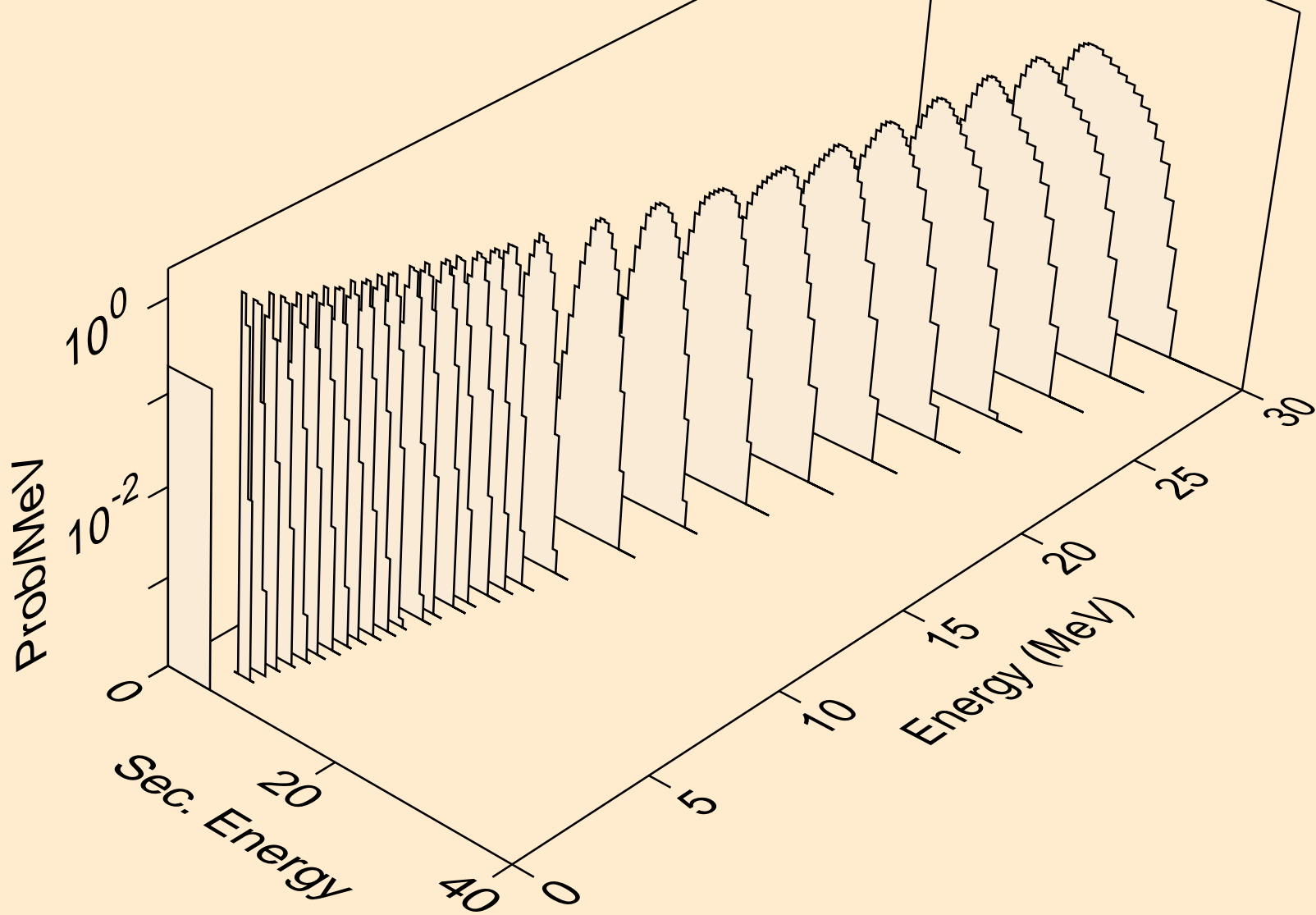
HF164 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,2a)



HF164 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,3a)



HF164 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,pa)



HF164 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,da)

