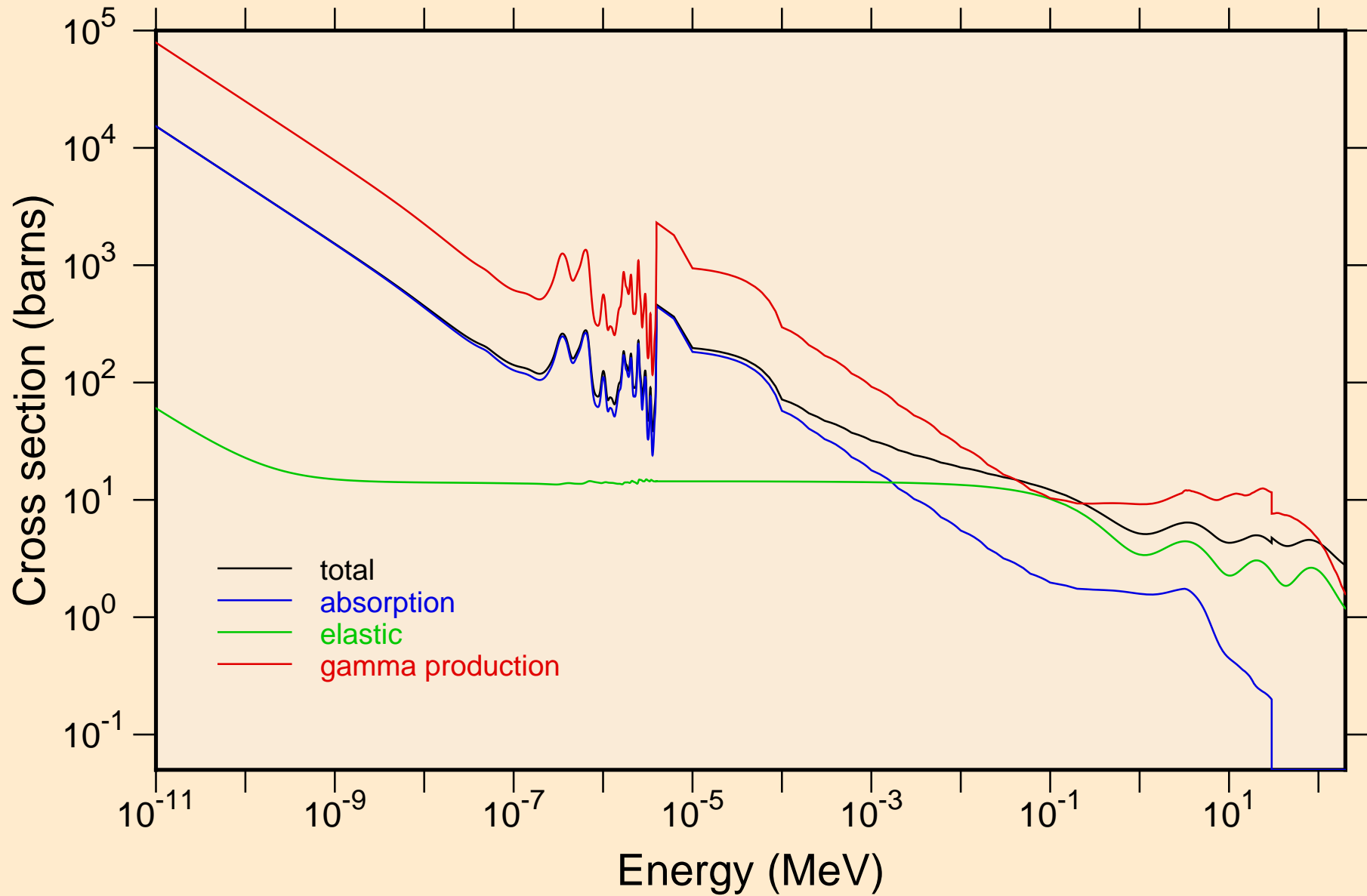
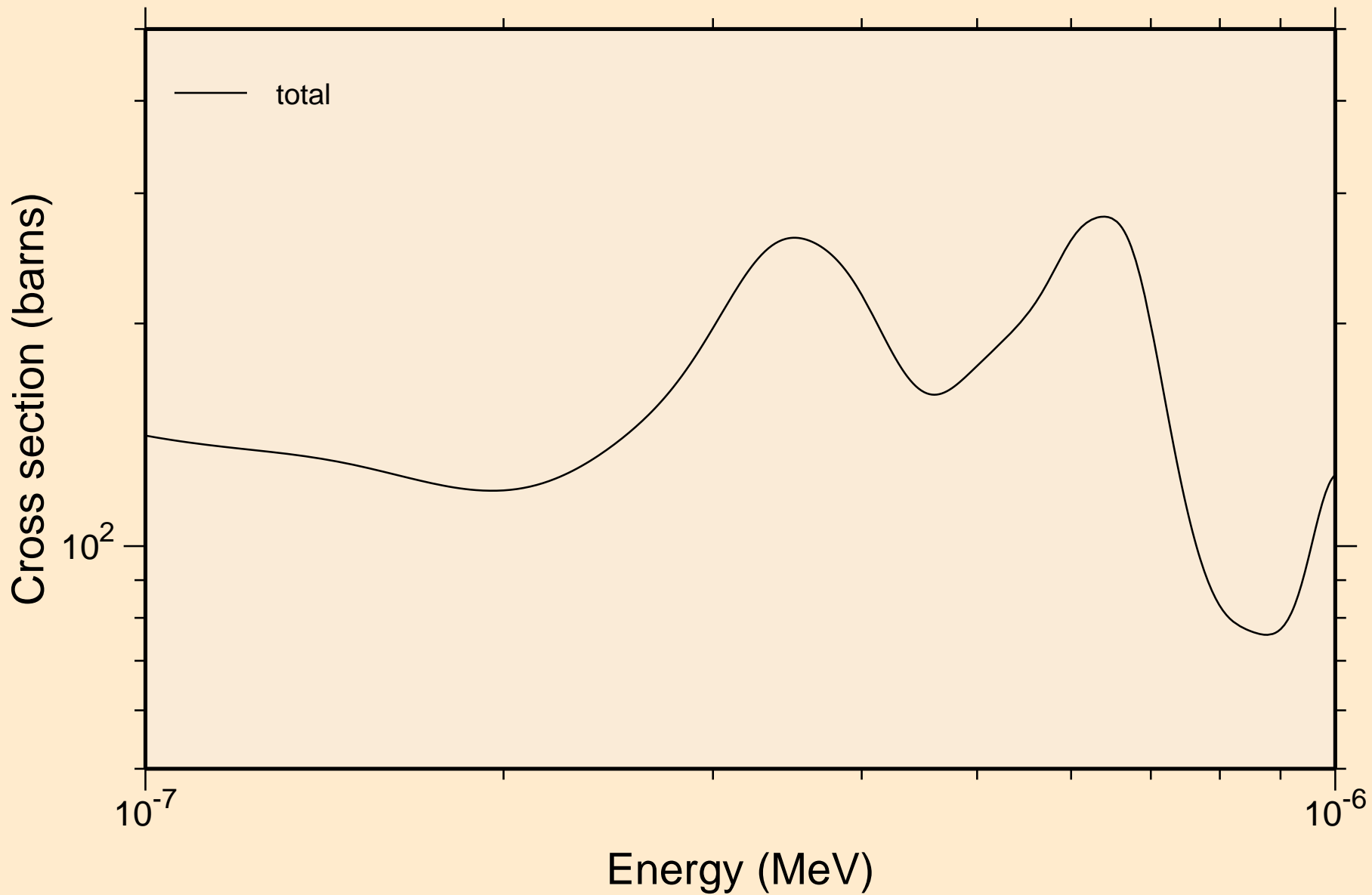


# HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

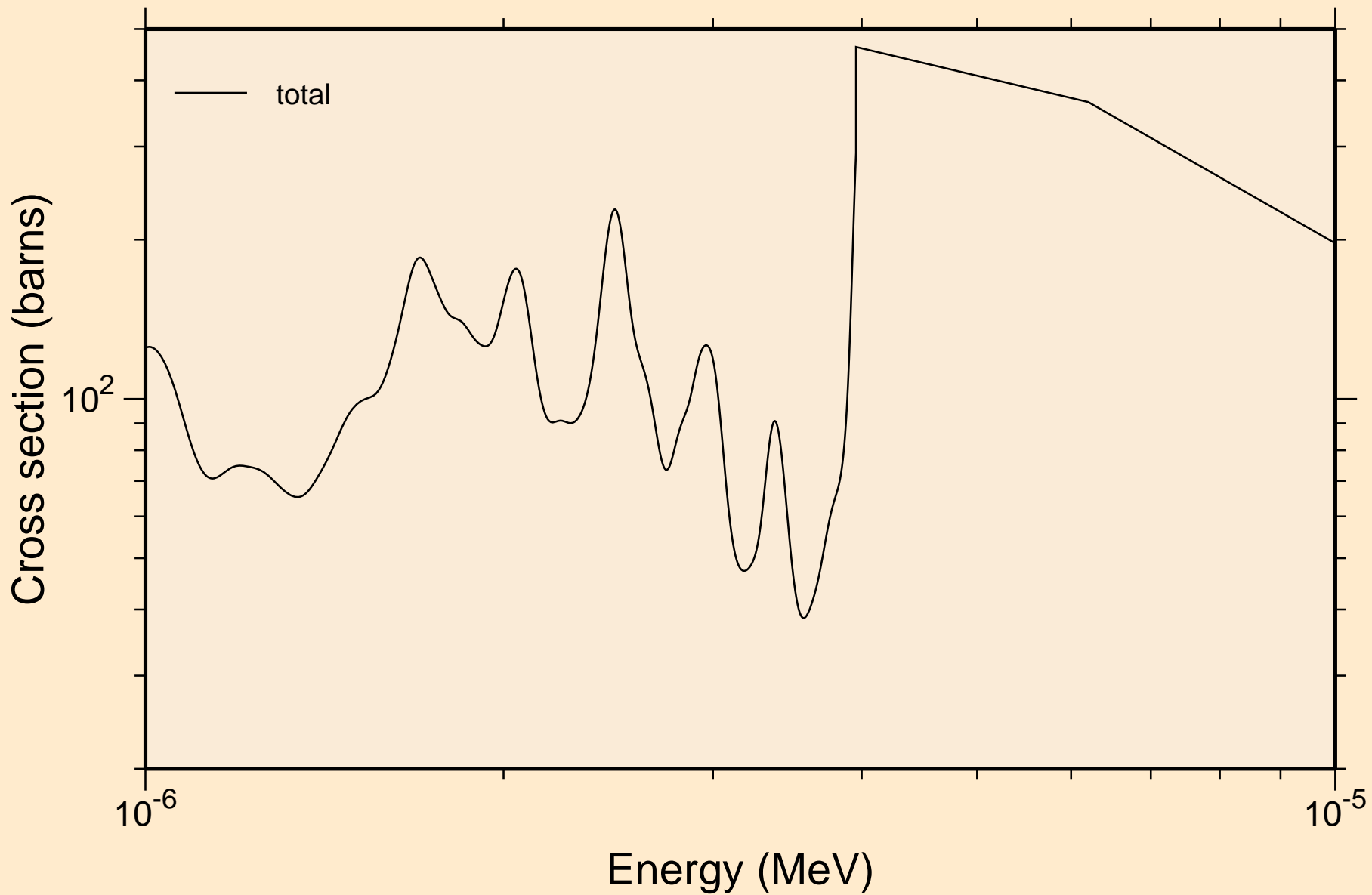
## Principal cross sections



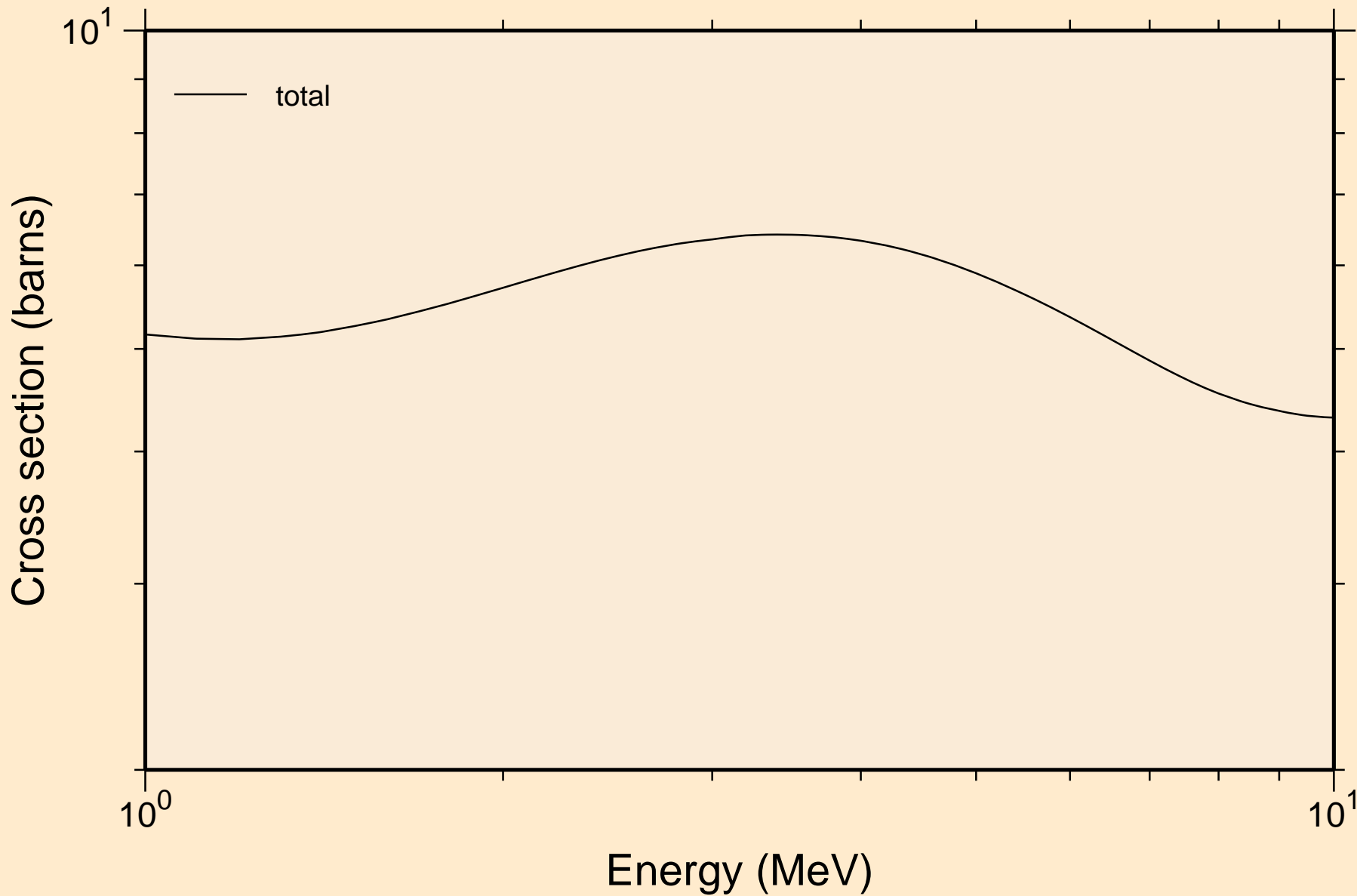
HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



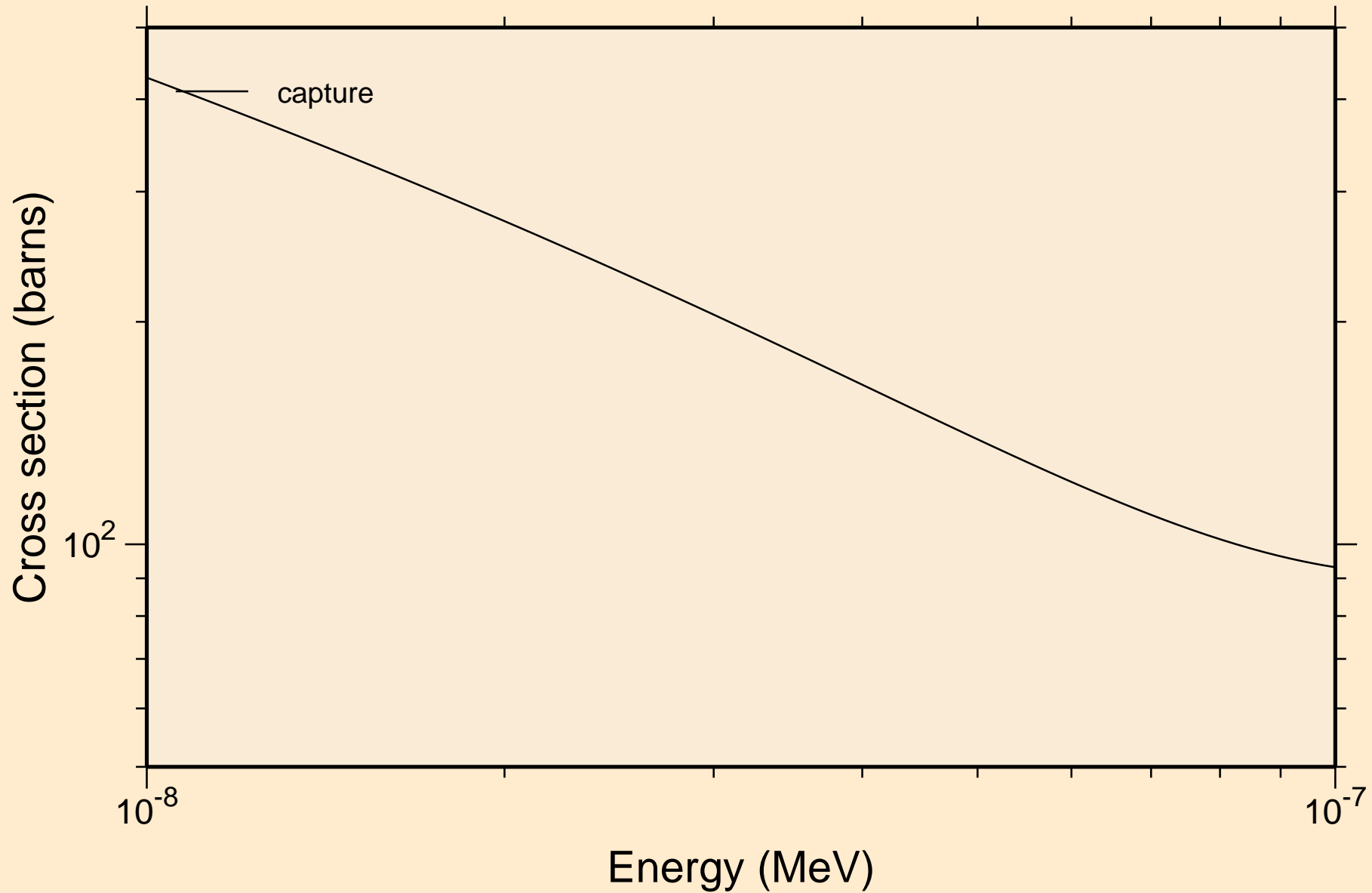
HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



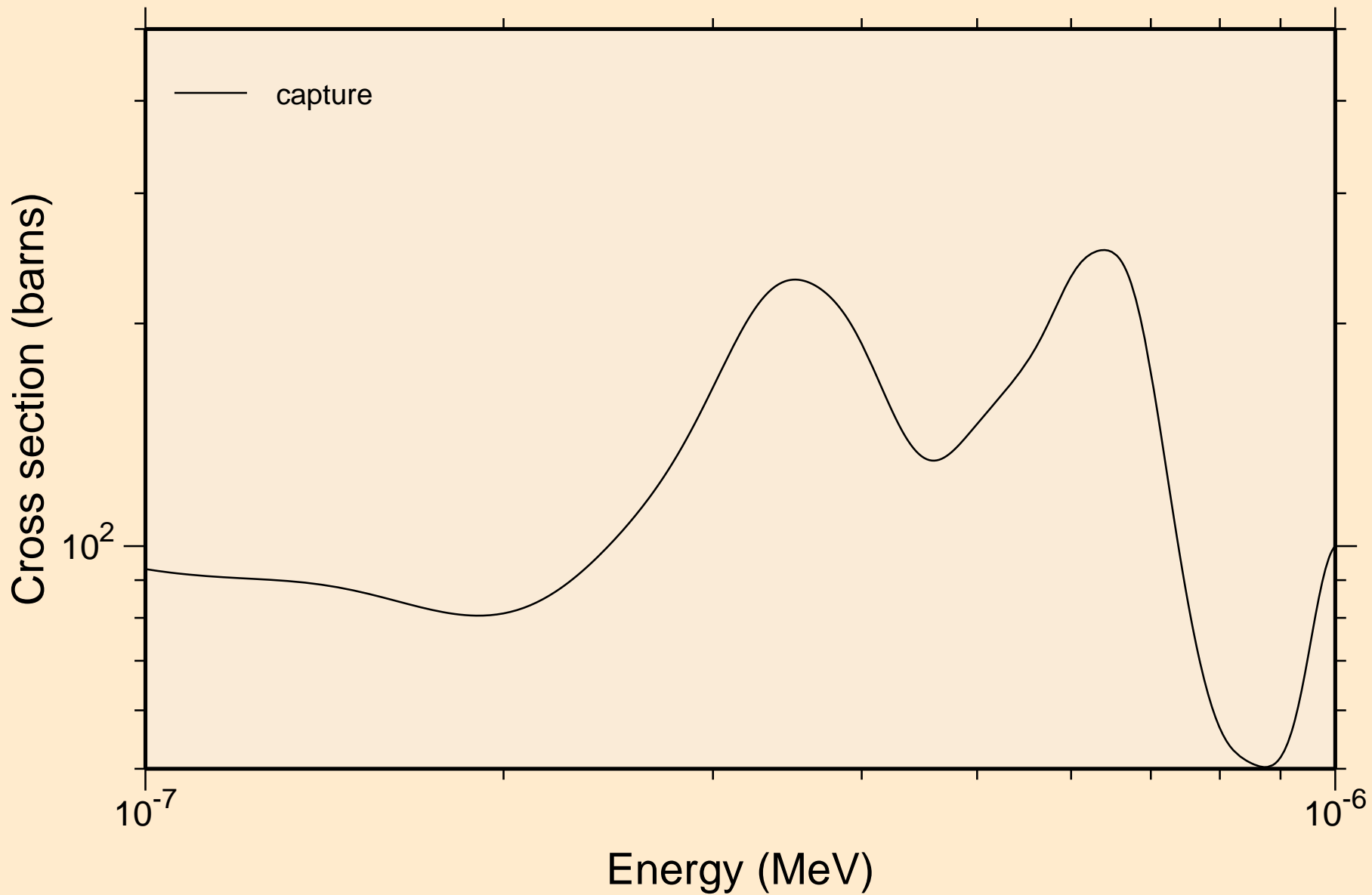
HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



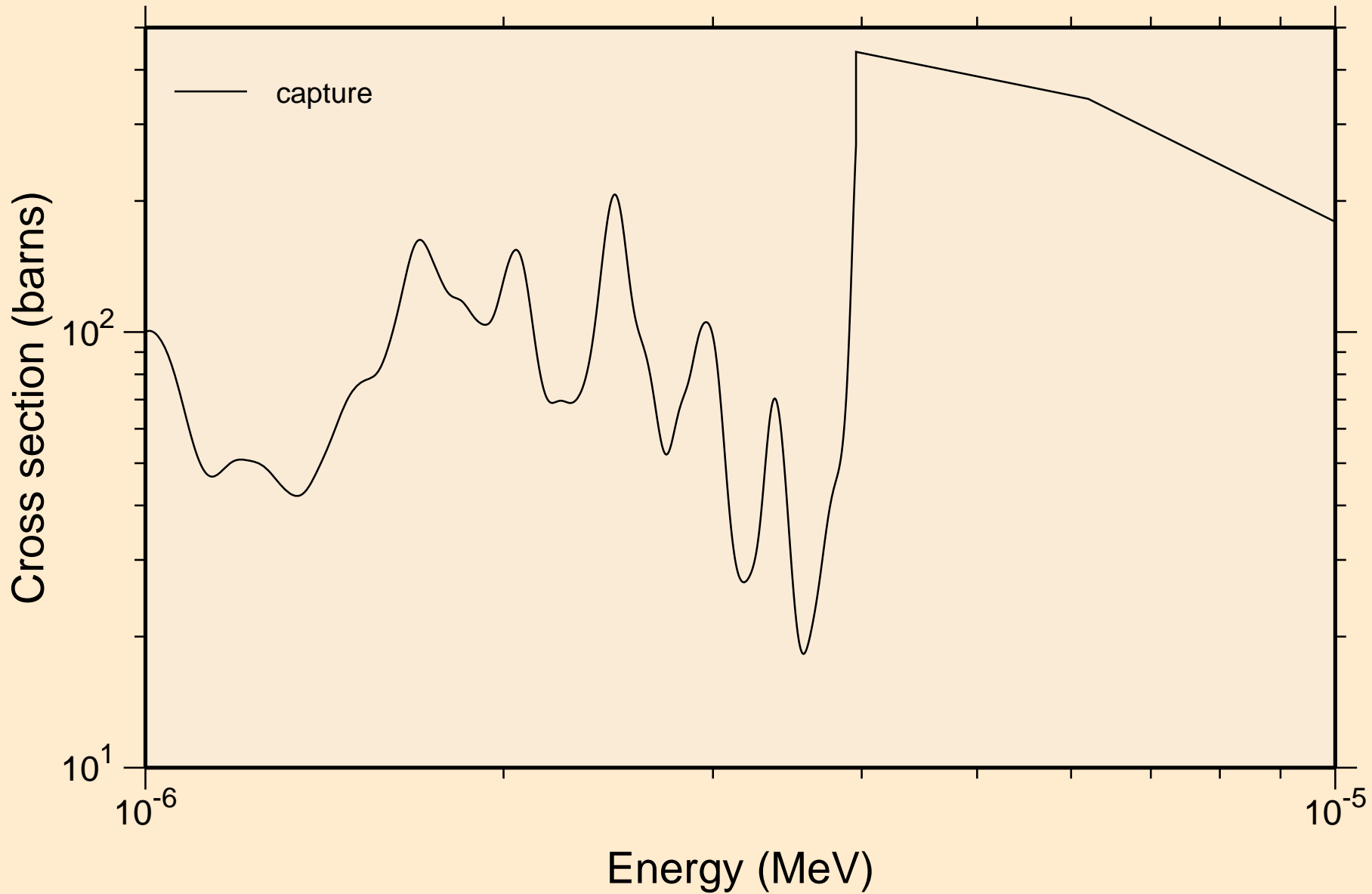
HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



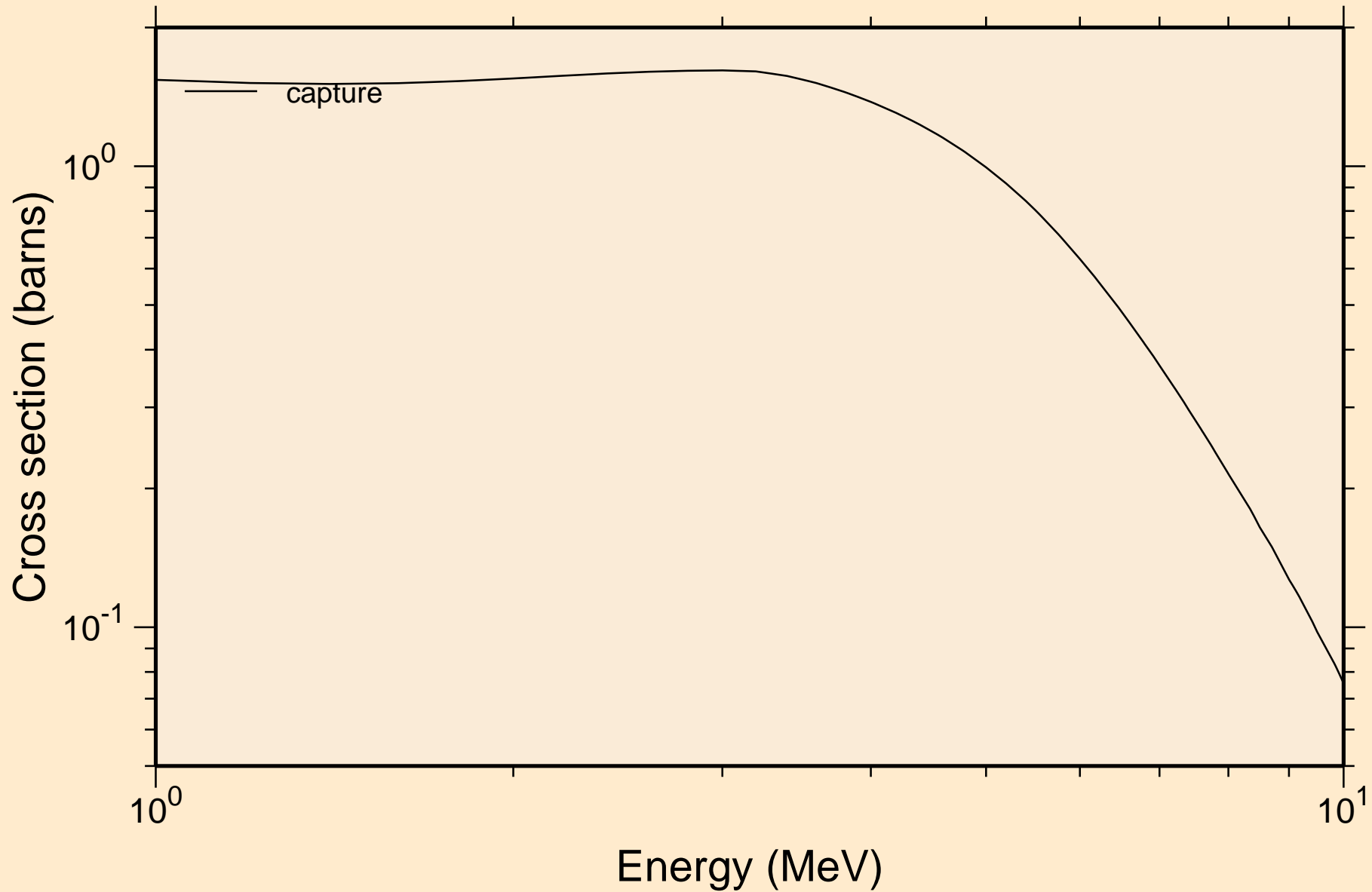
HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections

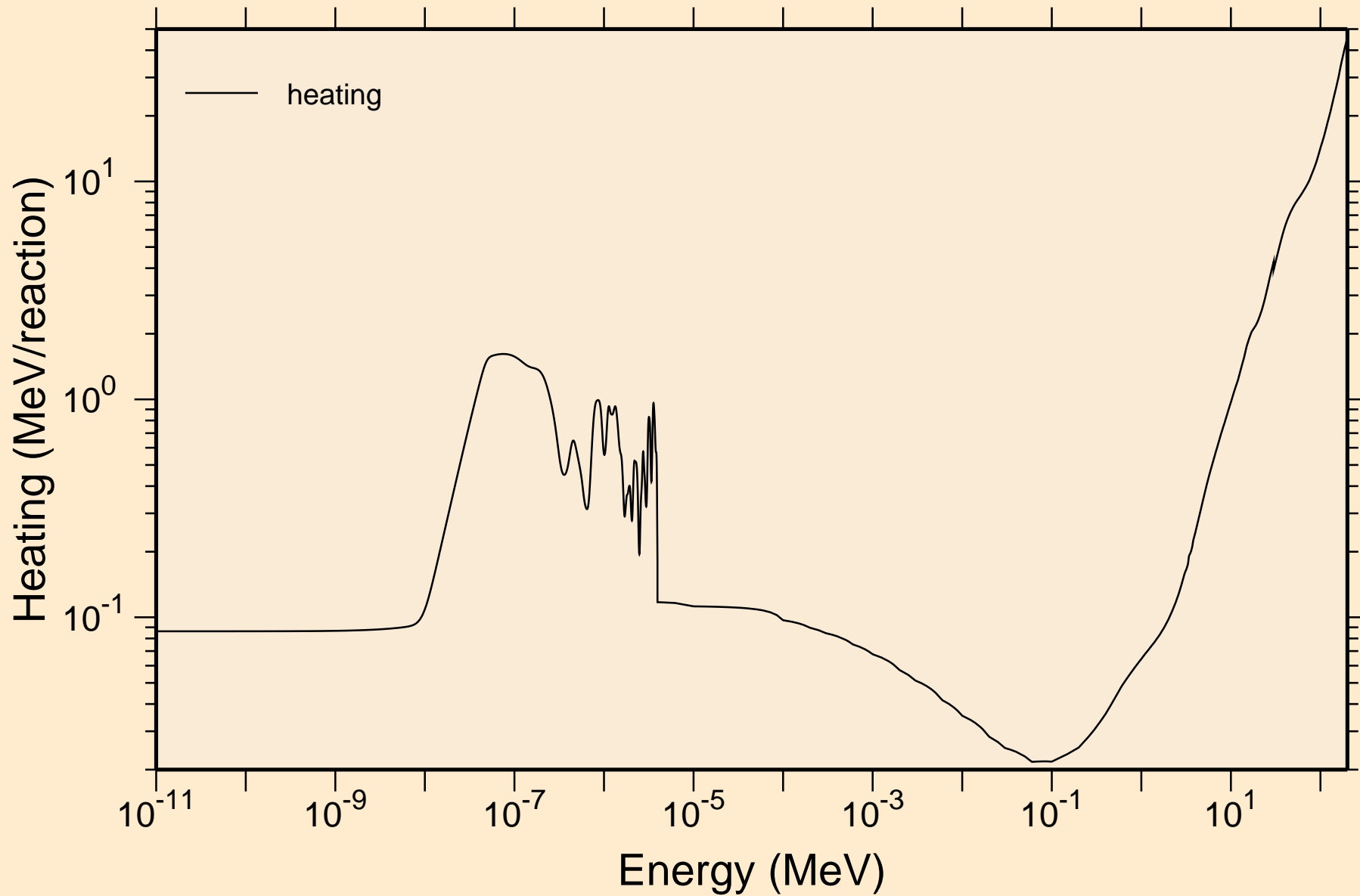


HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



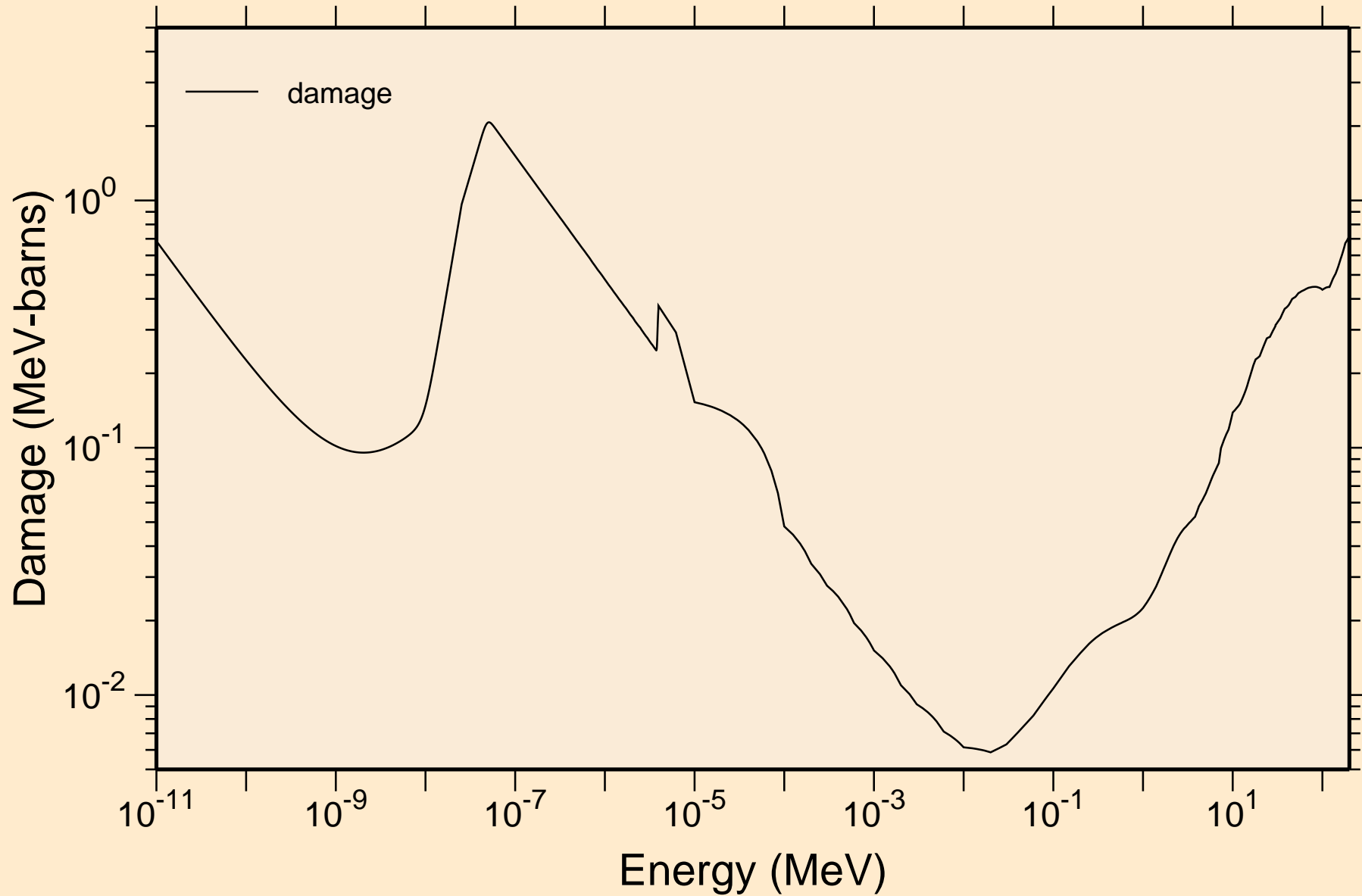


HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Heating



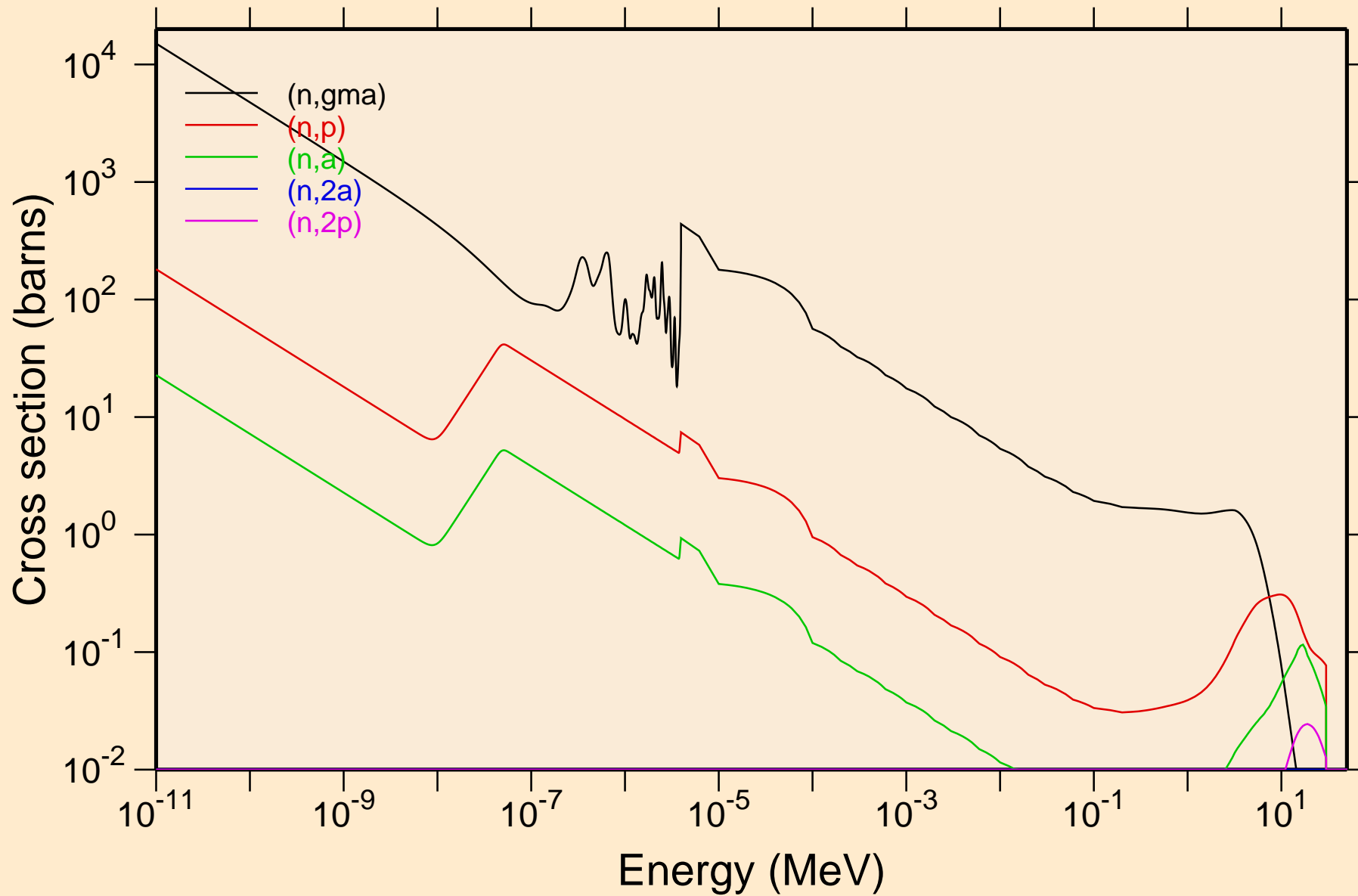
# HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Damage

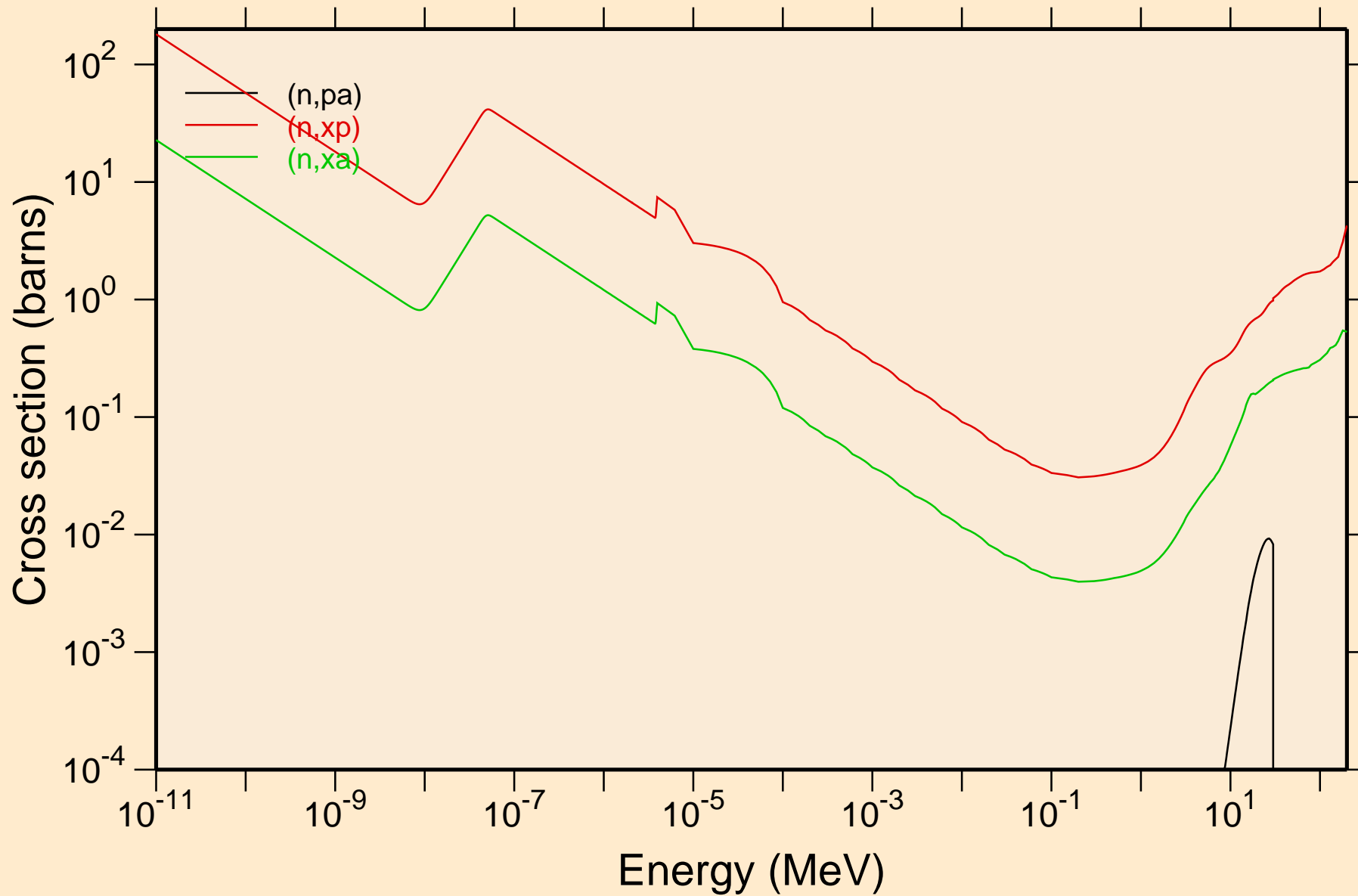


# HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Non-threshold reactions

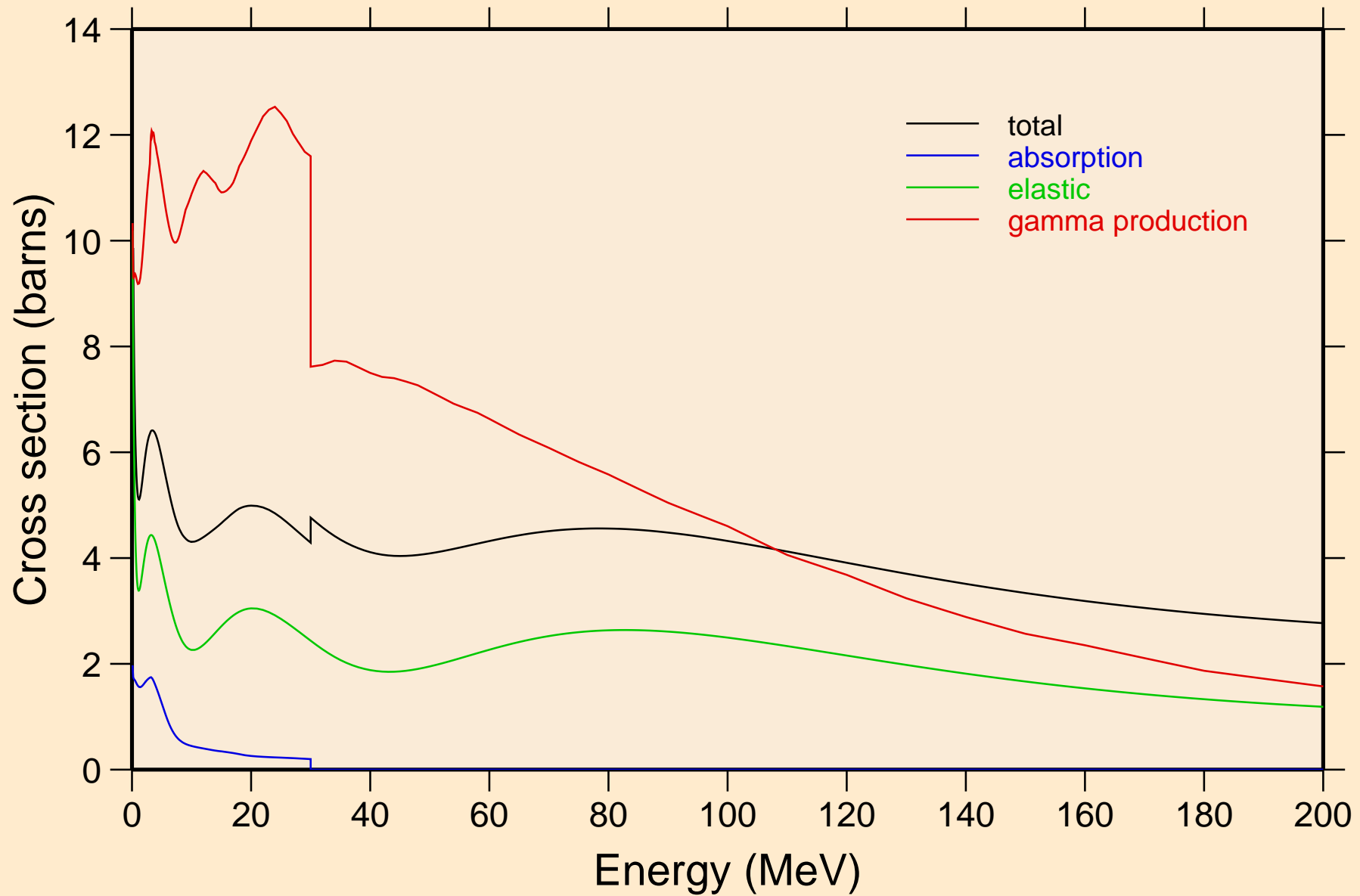


HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions

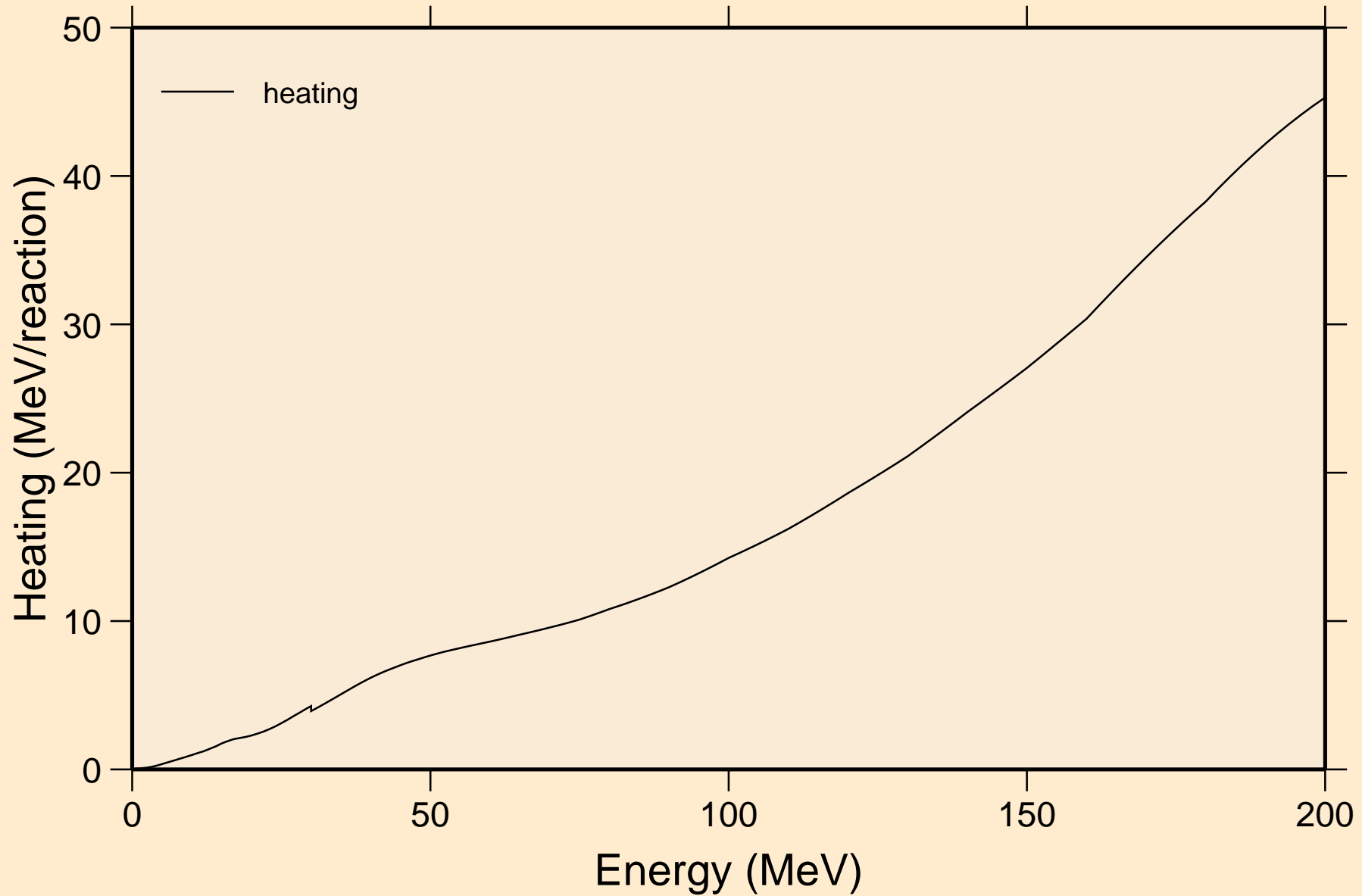


# HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Principal cross sections

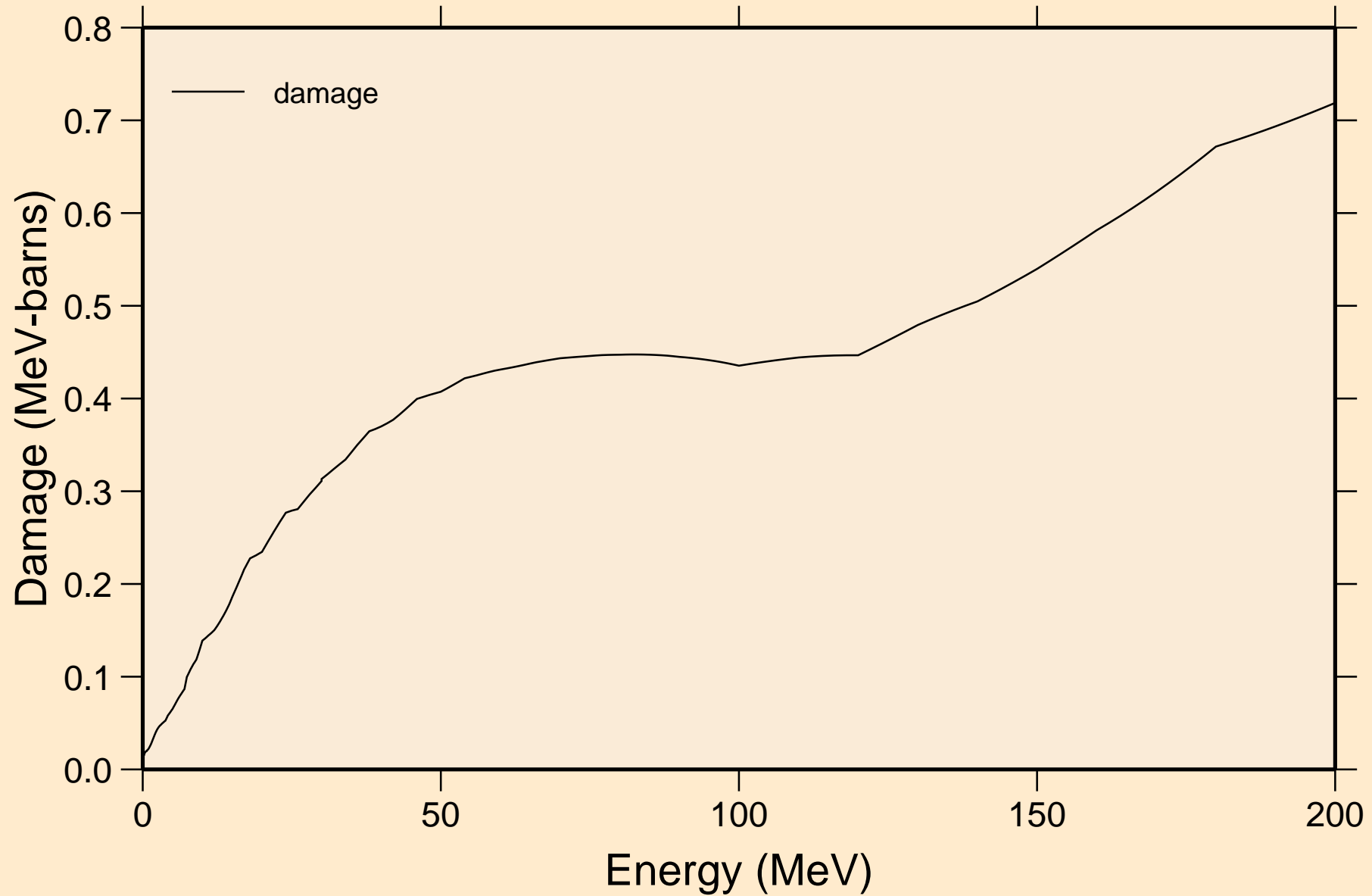


HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Heating



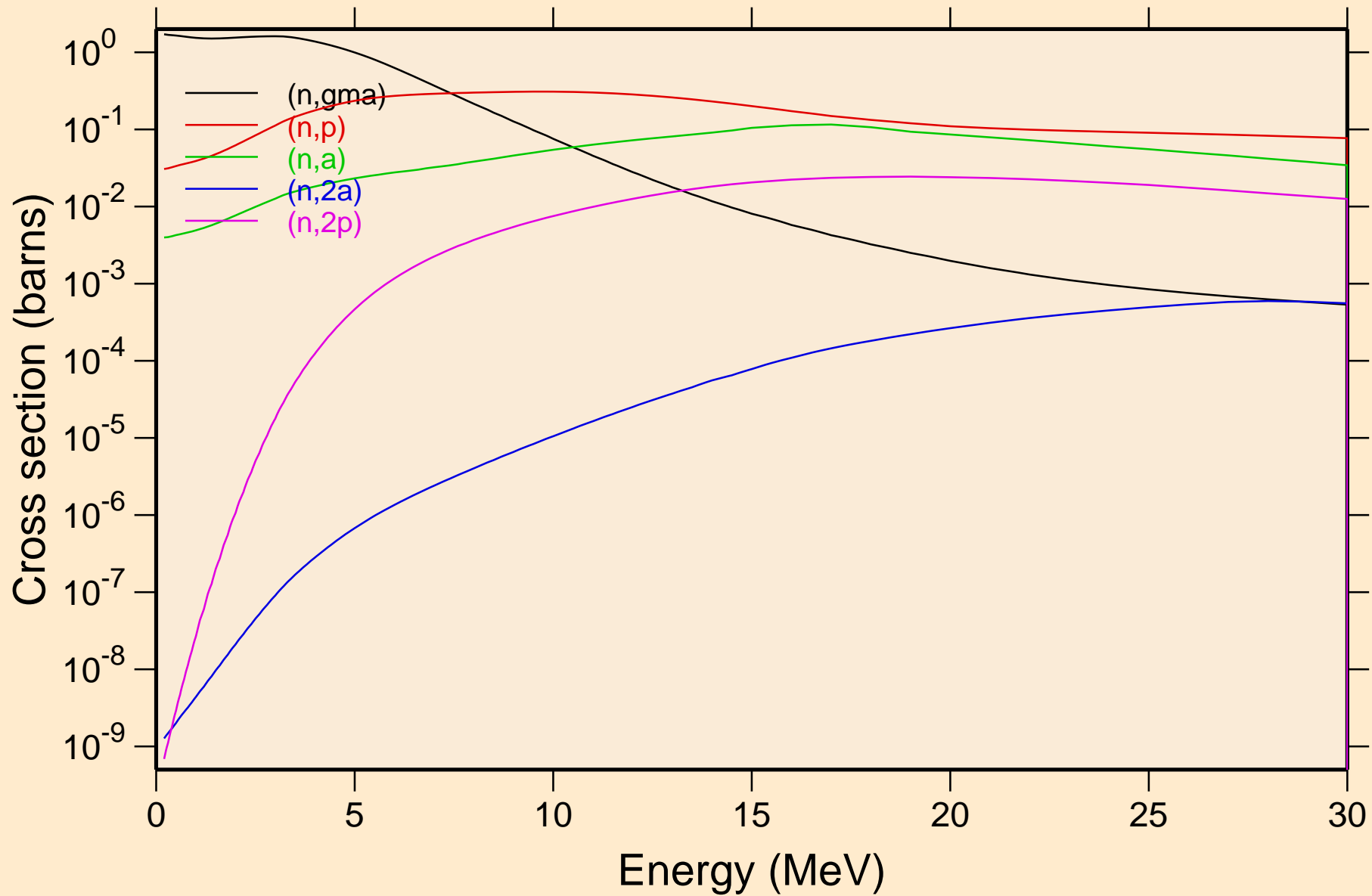
# HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Damage



# HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

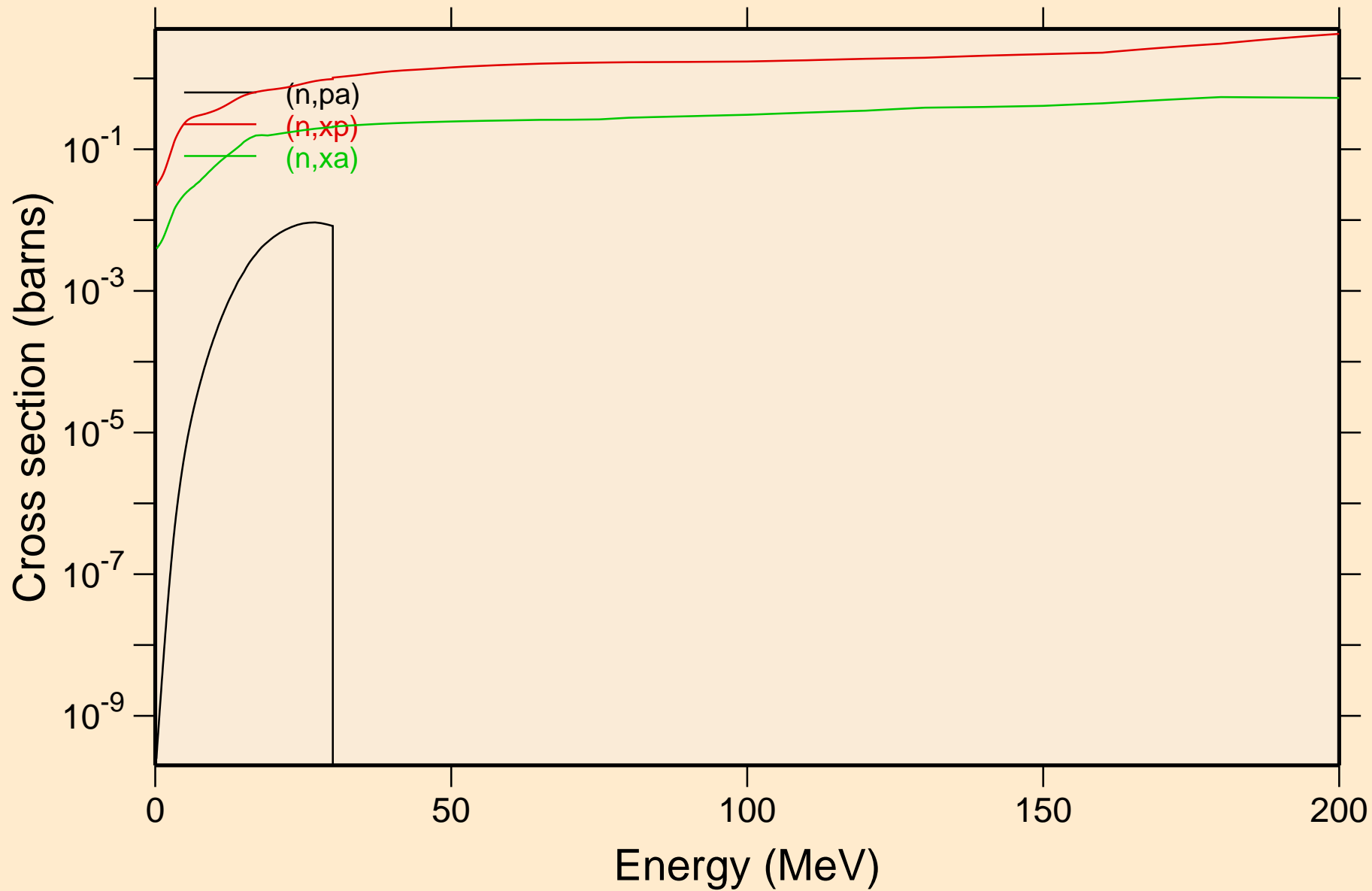
## Non-threshold reactions



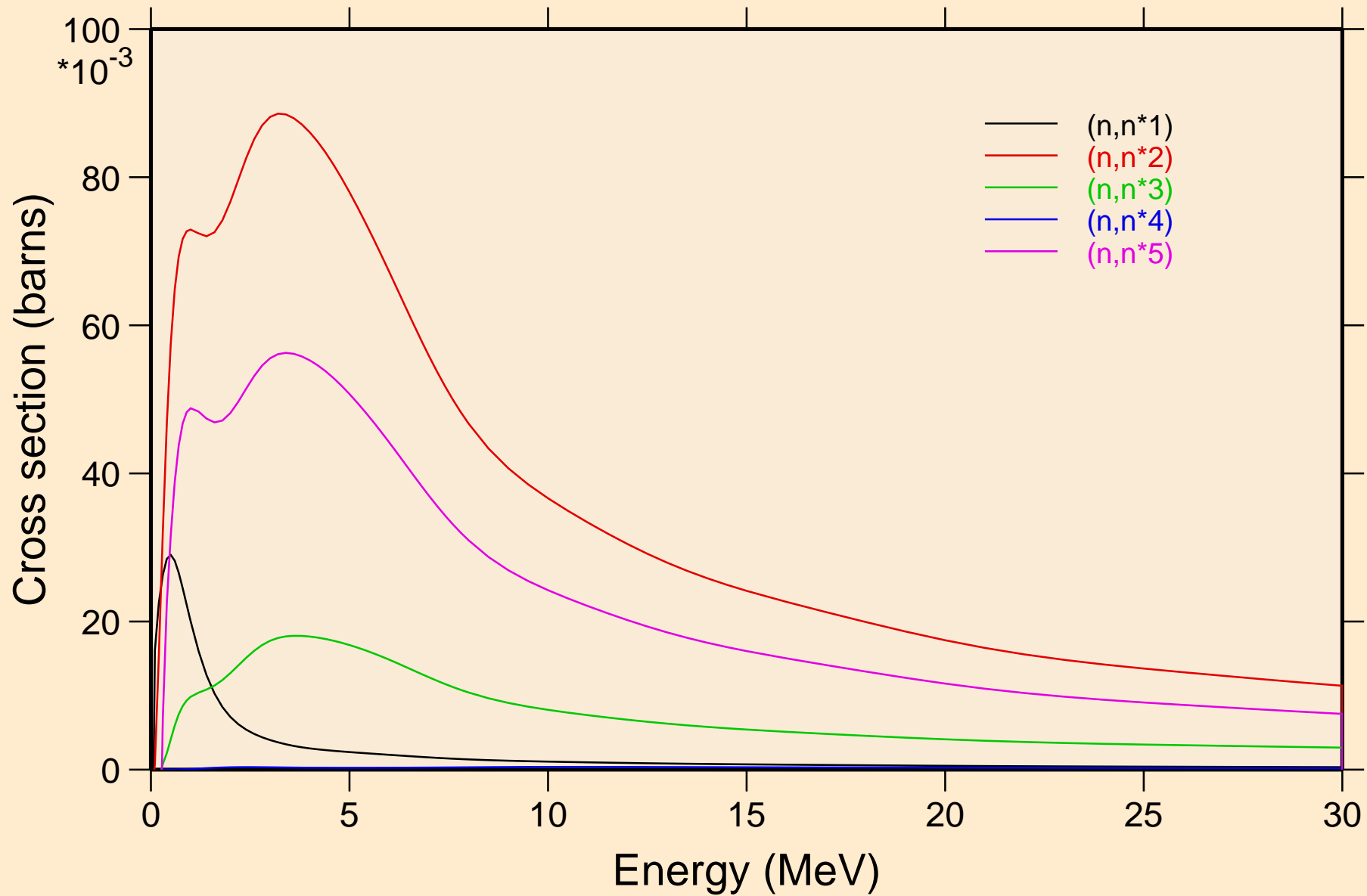


# HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

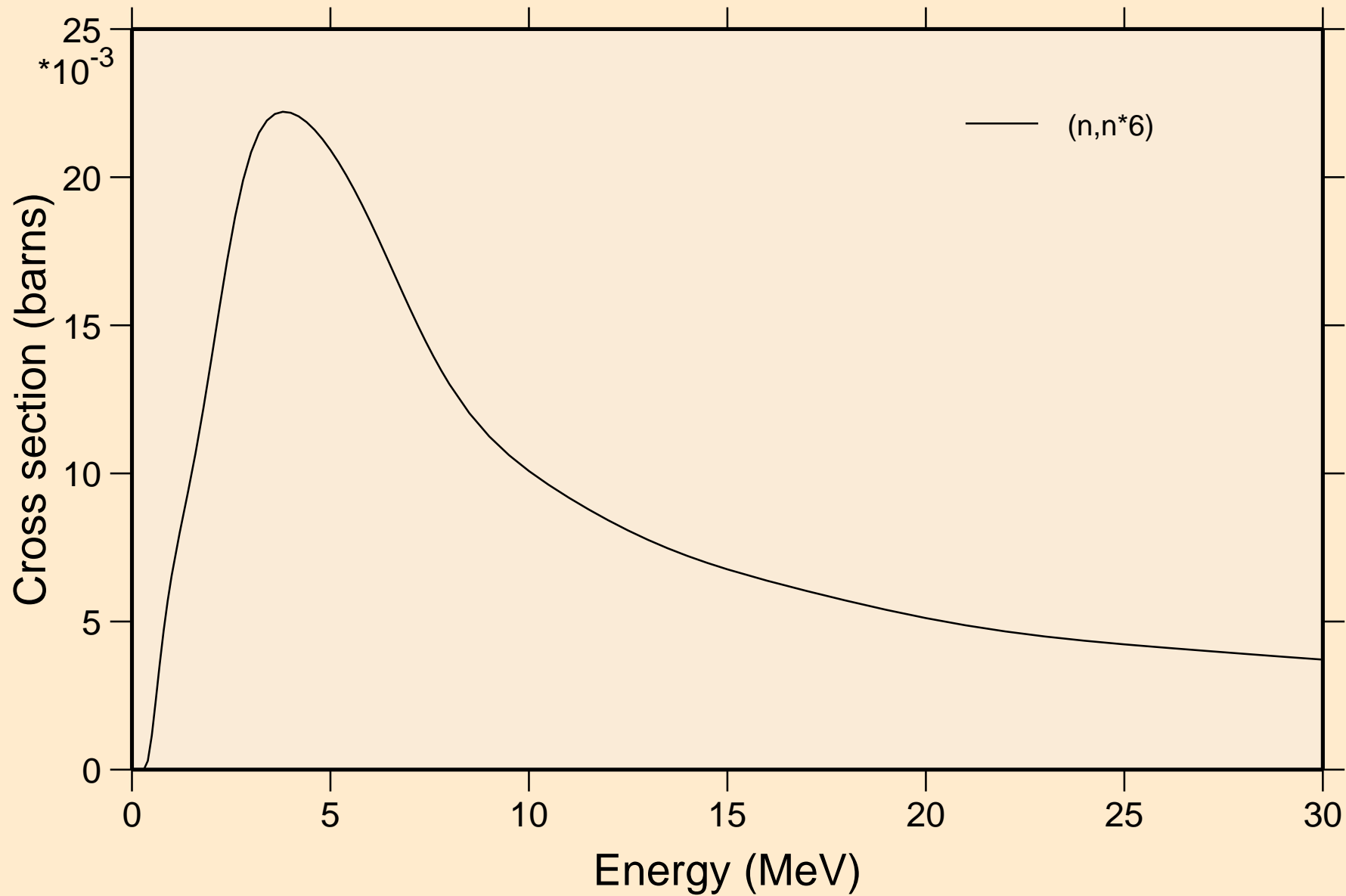
## Non-threshold reactions



HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels

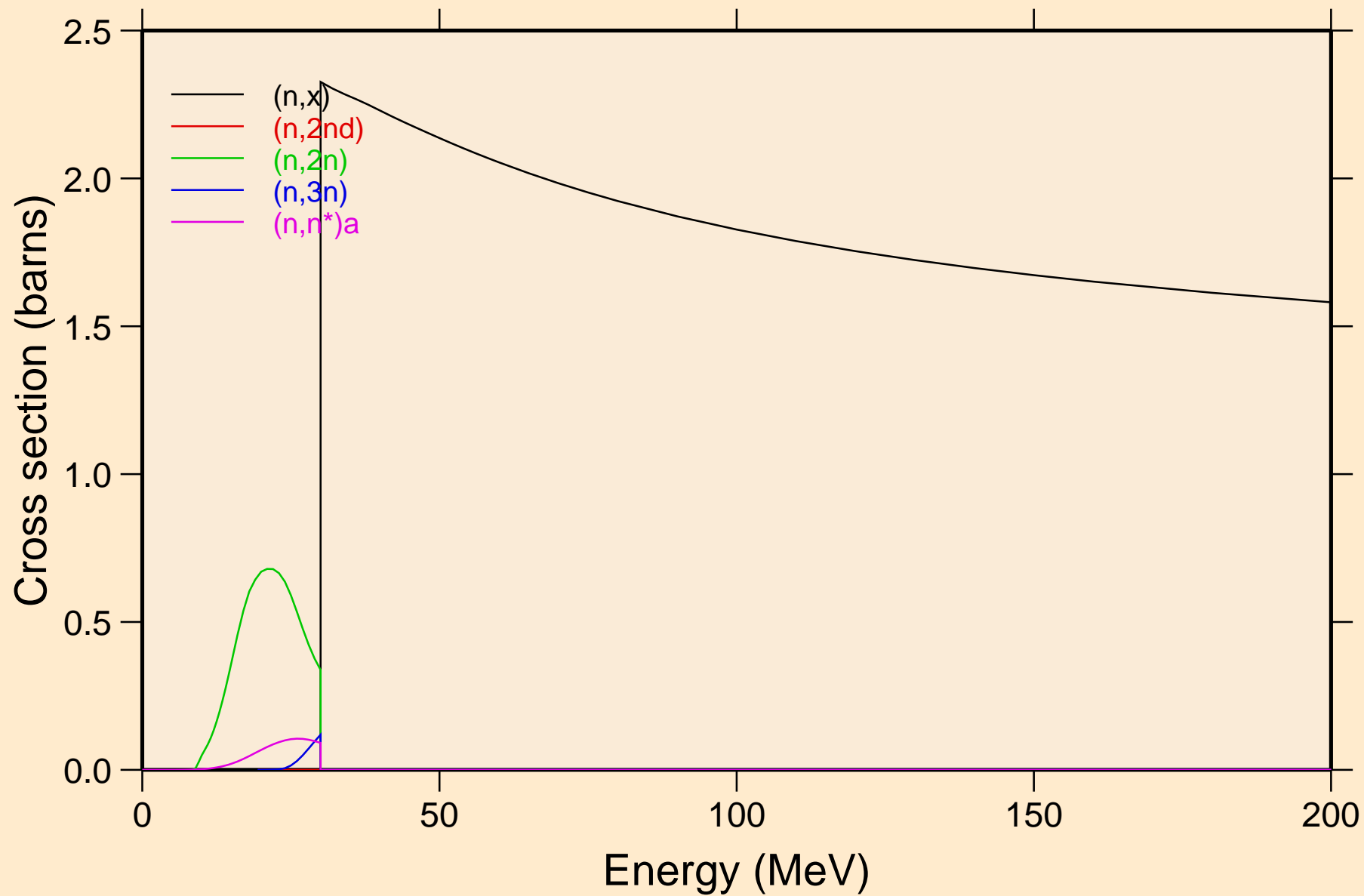


HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



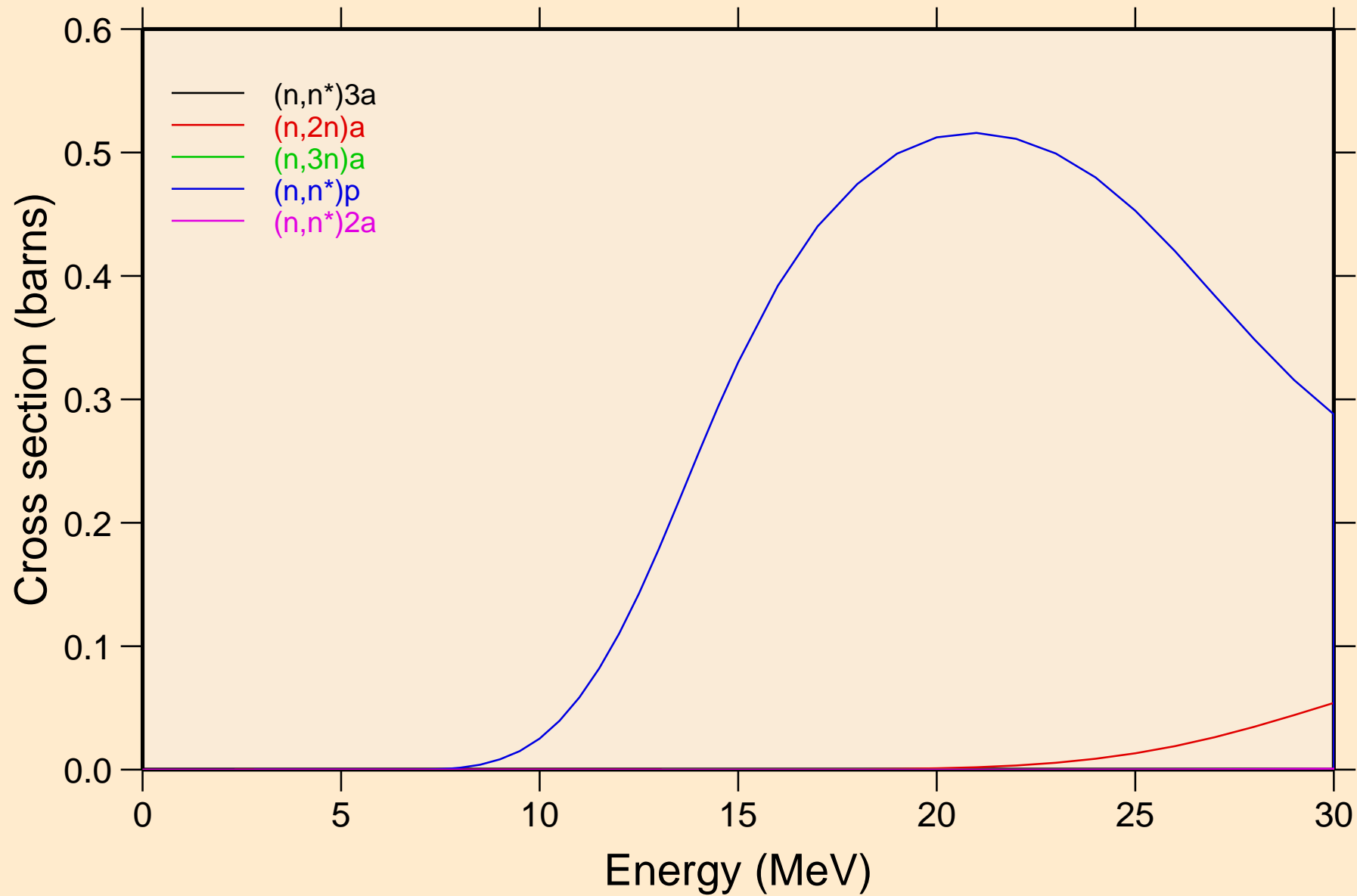
# HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Threshold reactions



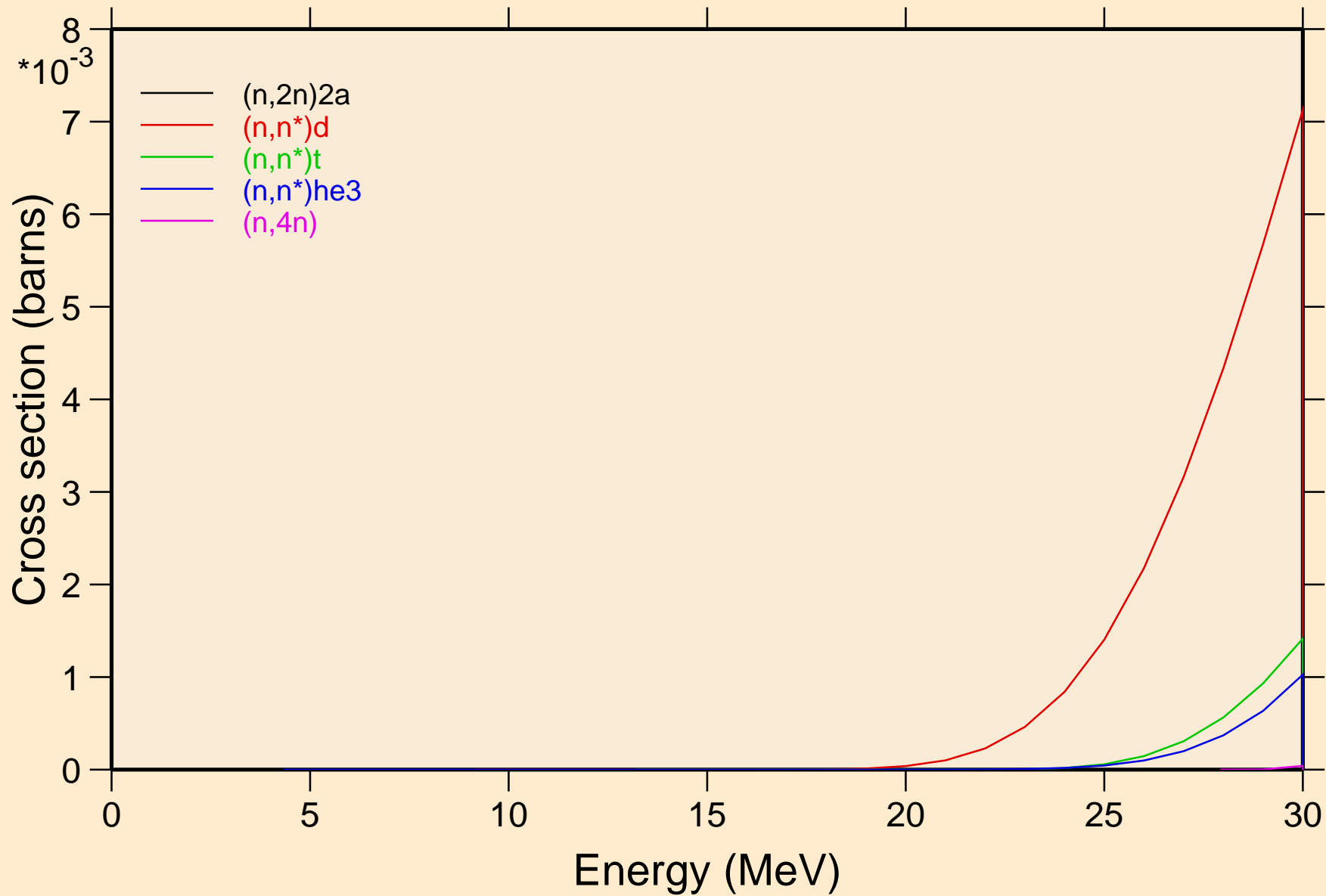
# HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Threshold reactions



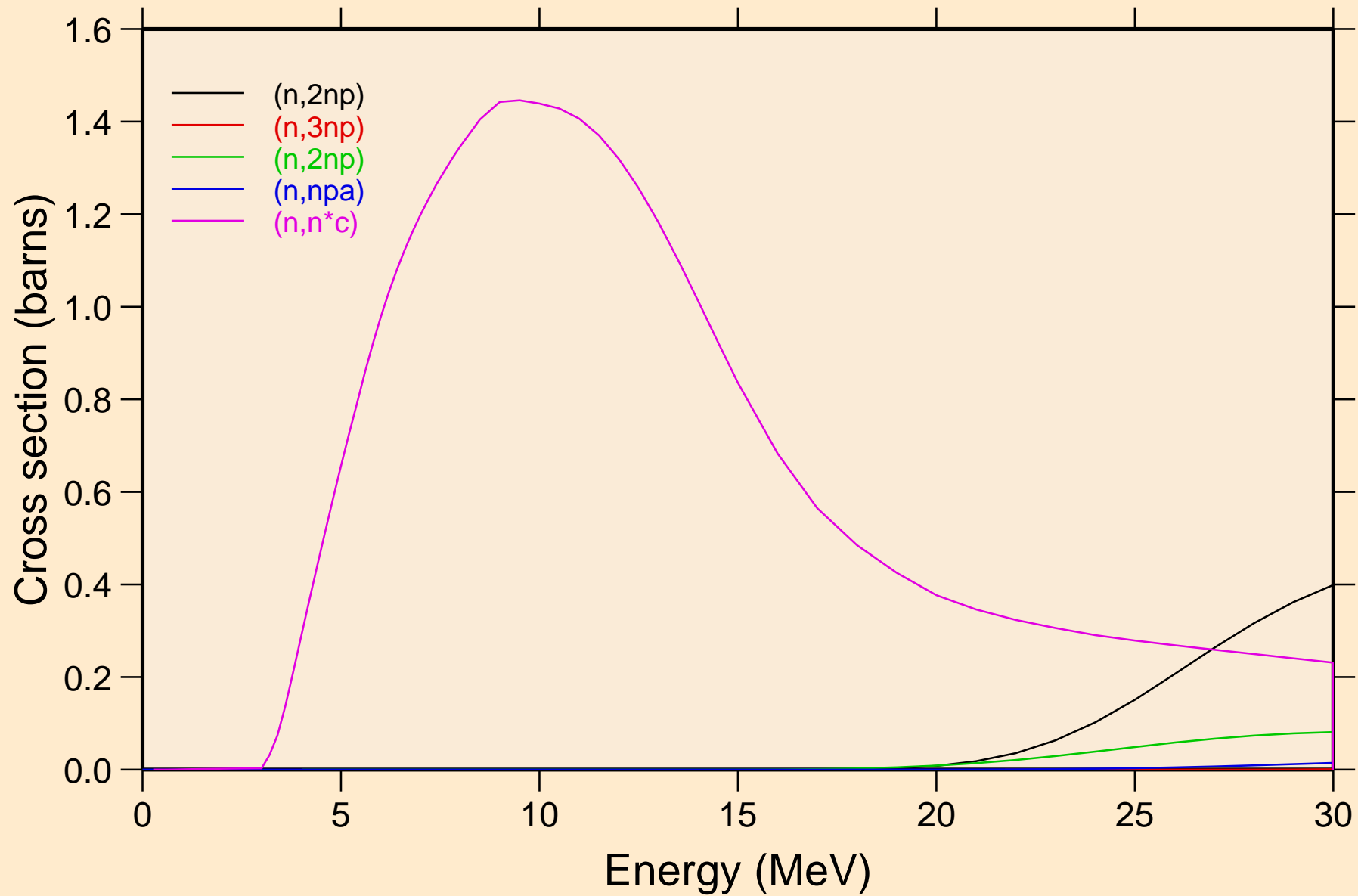
# HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Threshold reactions



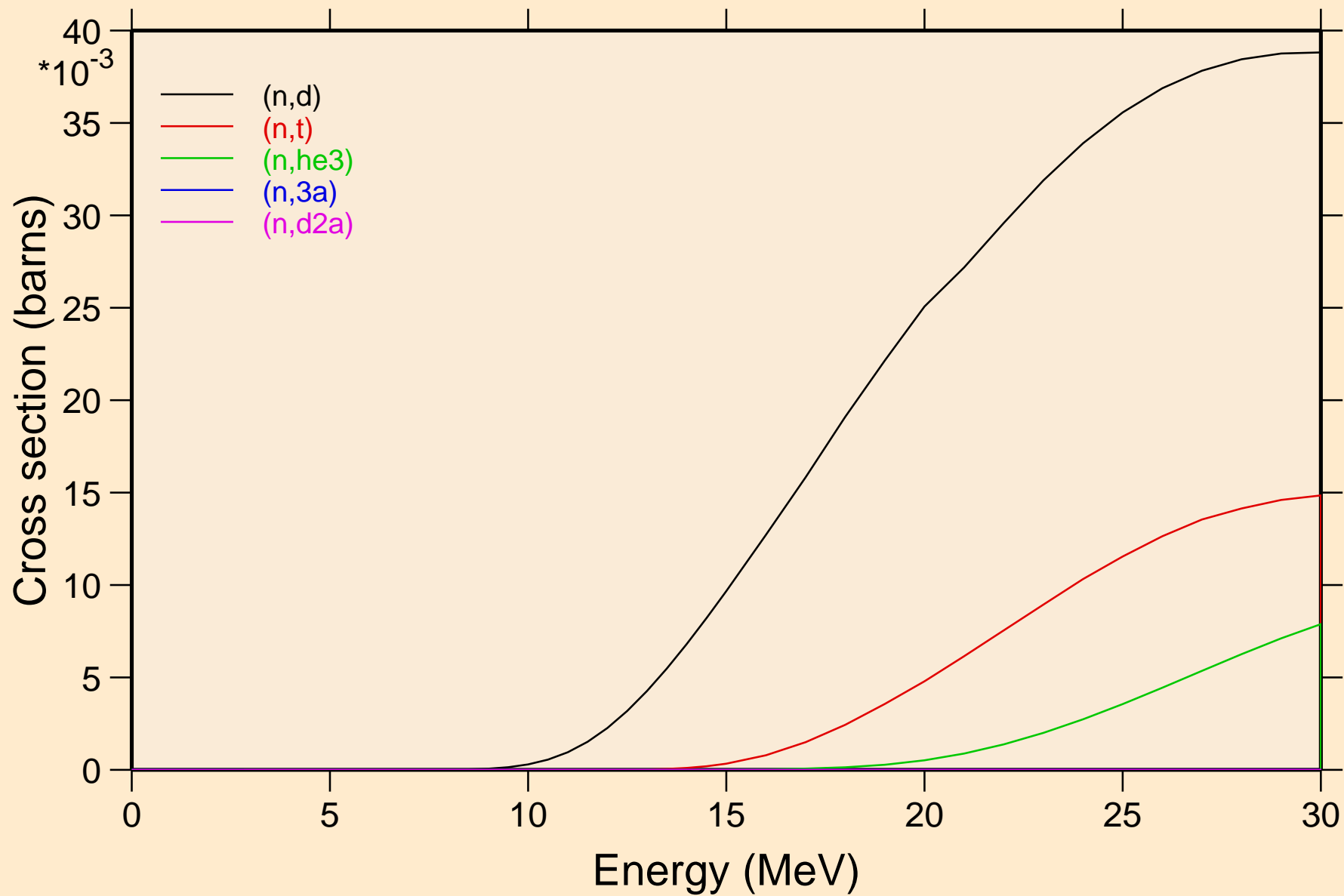
# HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Threshold reactions



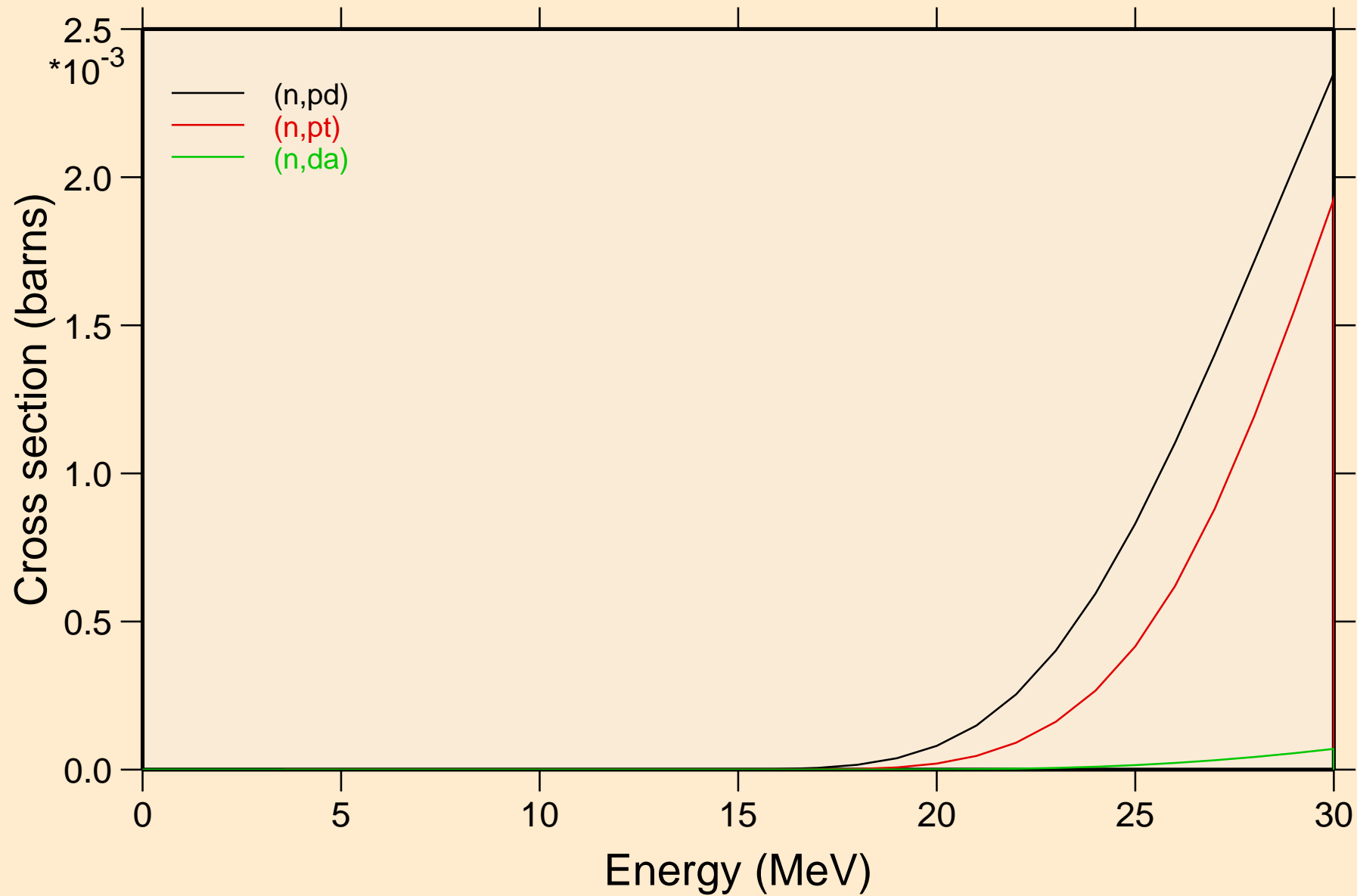
# HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Threshold reactions

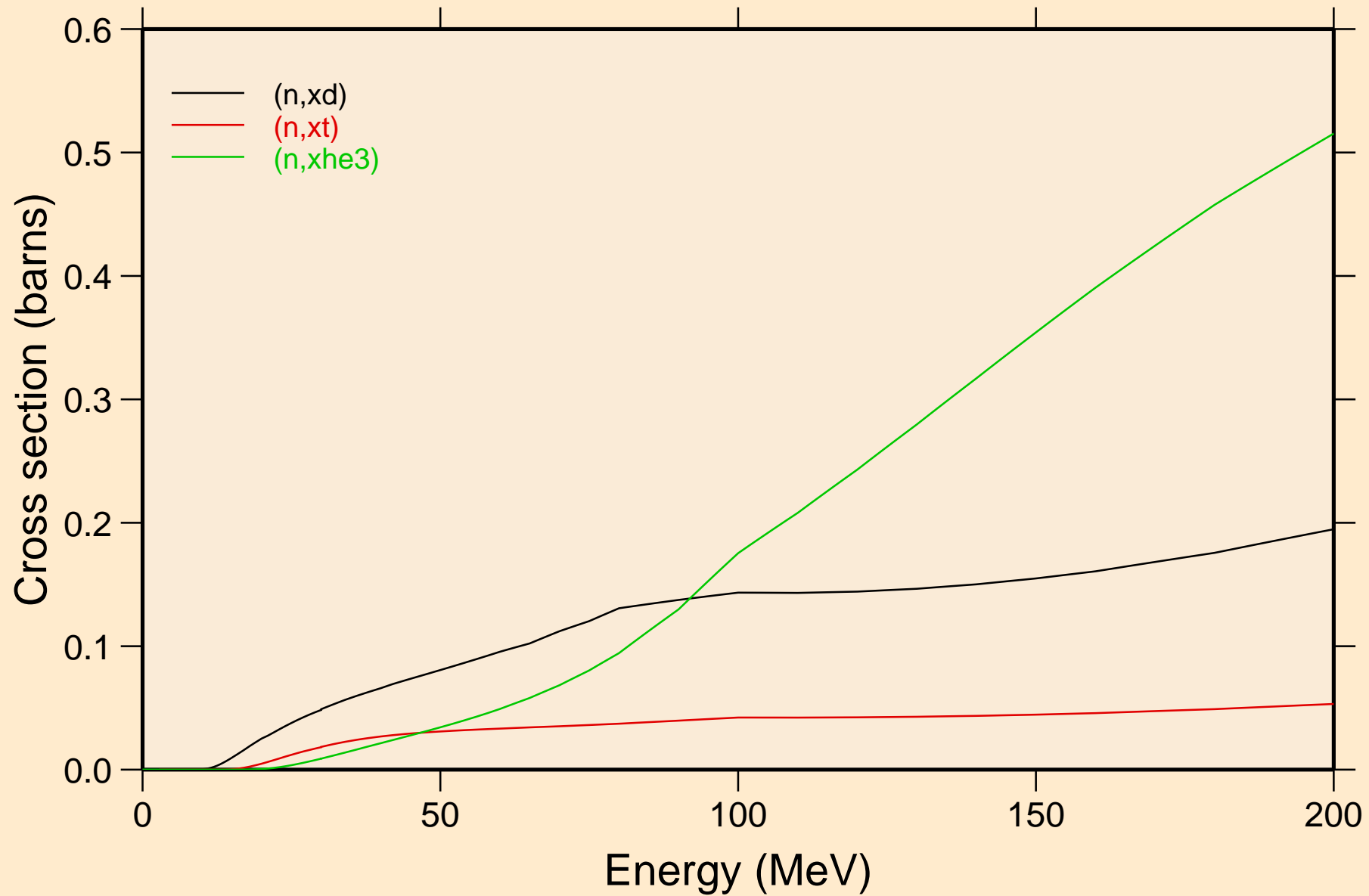




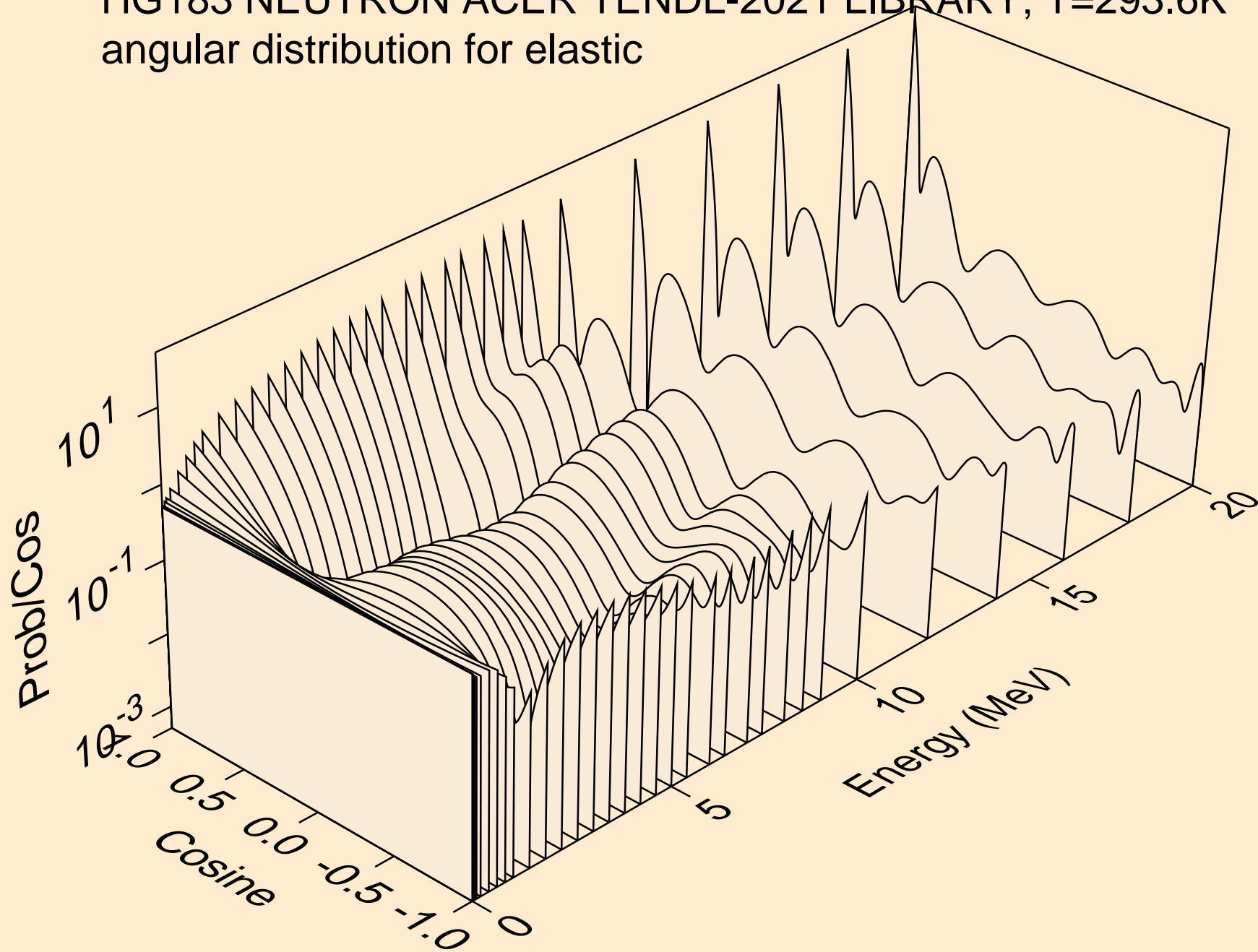
HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



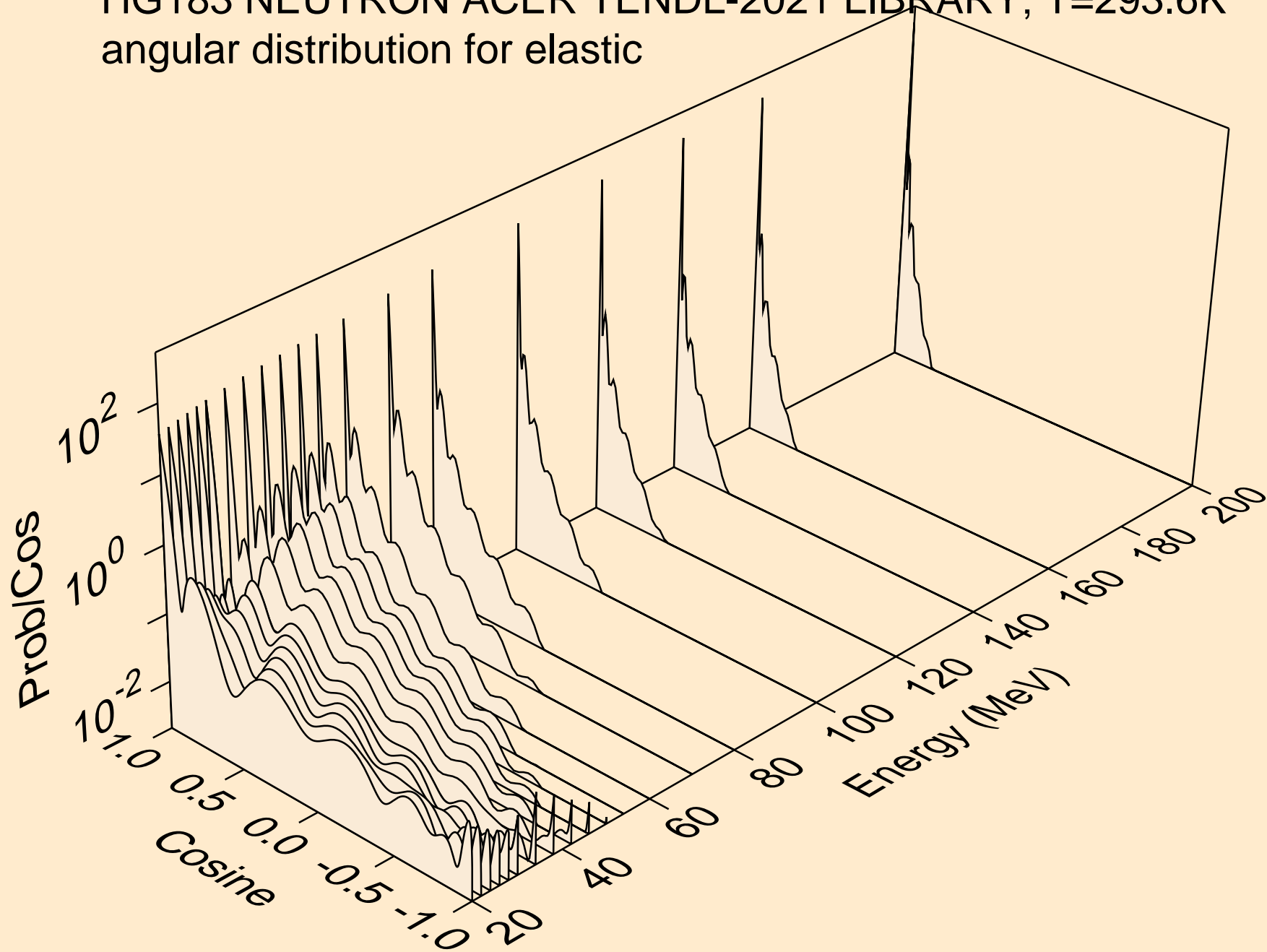
HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



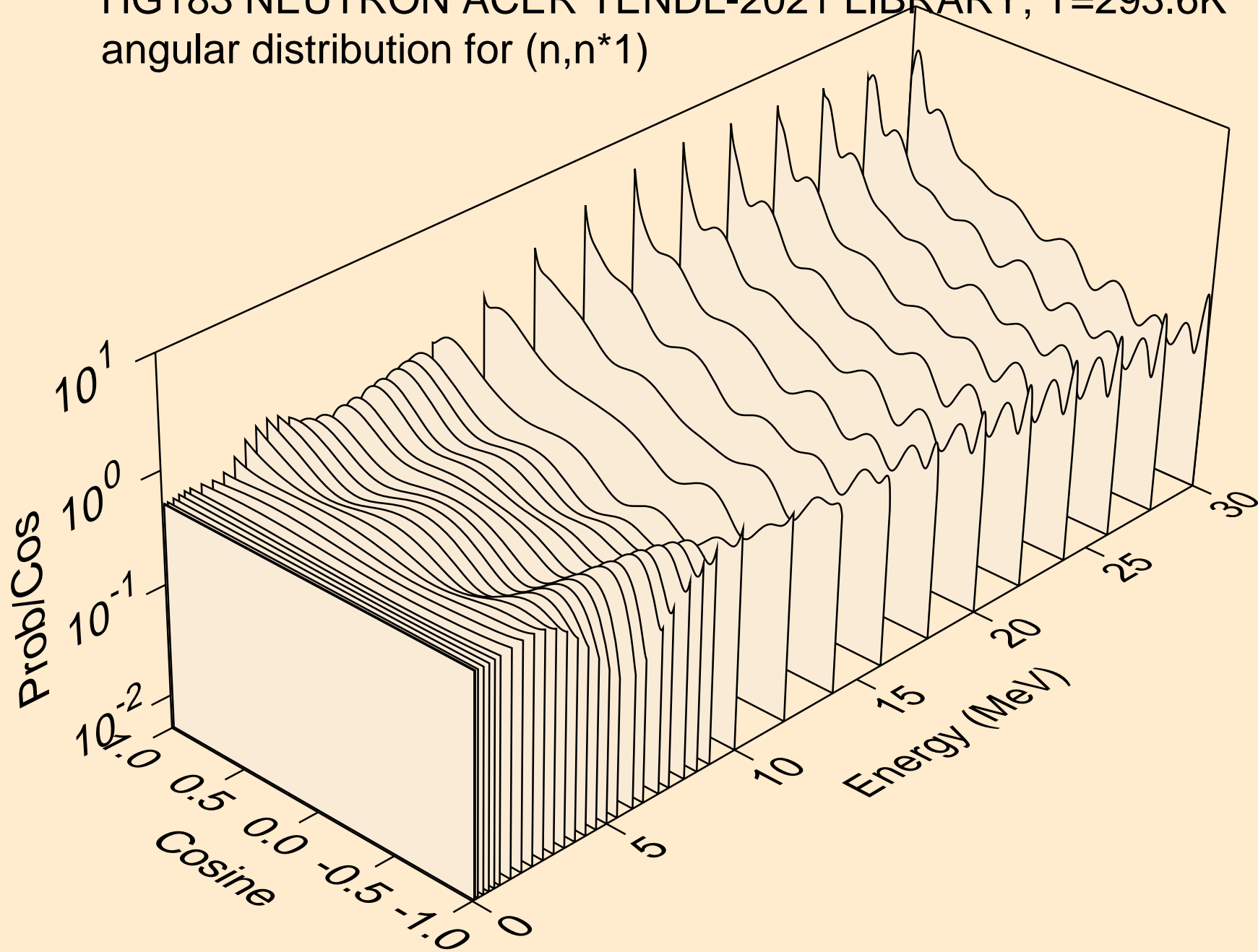
HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for elastic



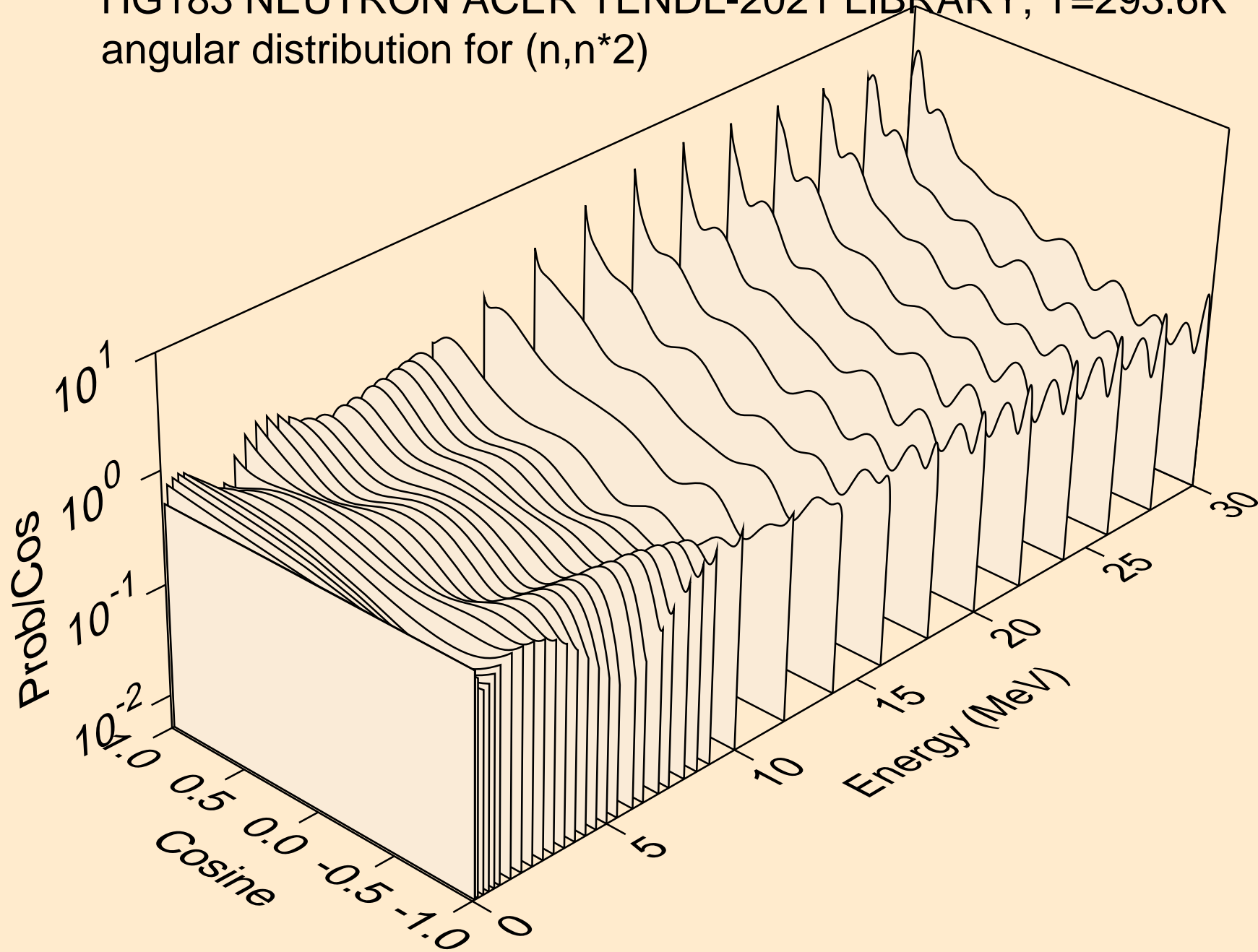
HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for elastic



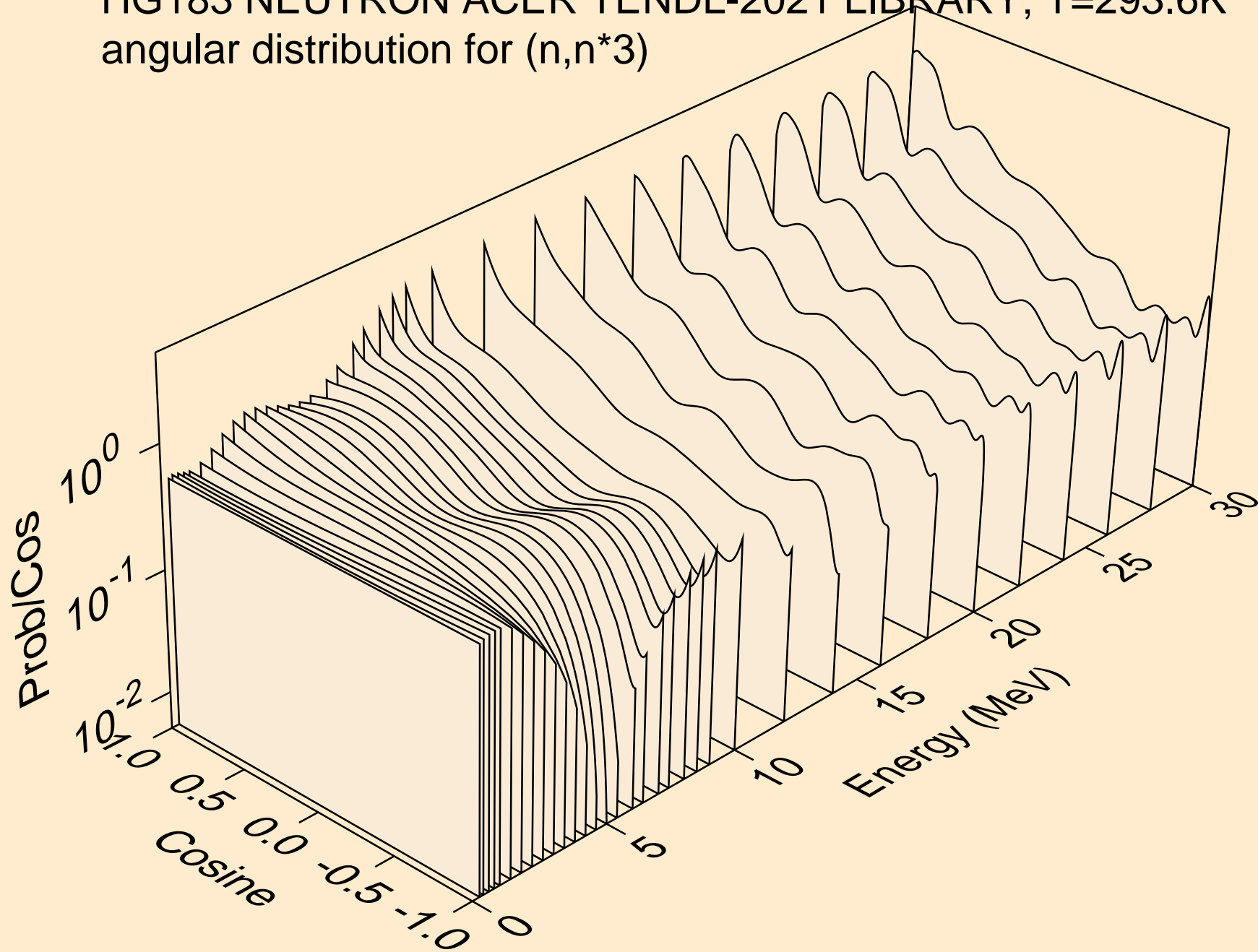
HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*1)



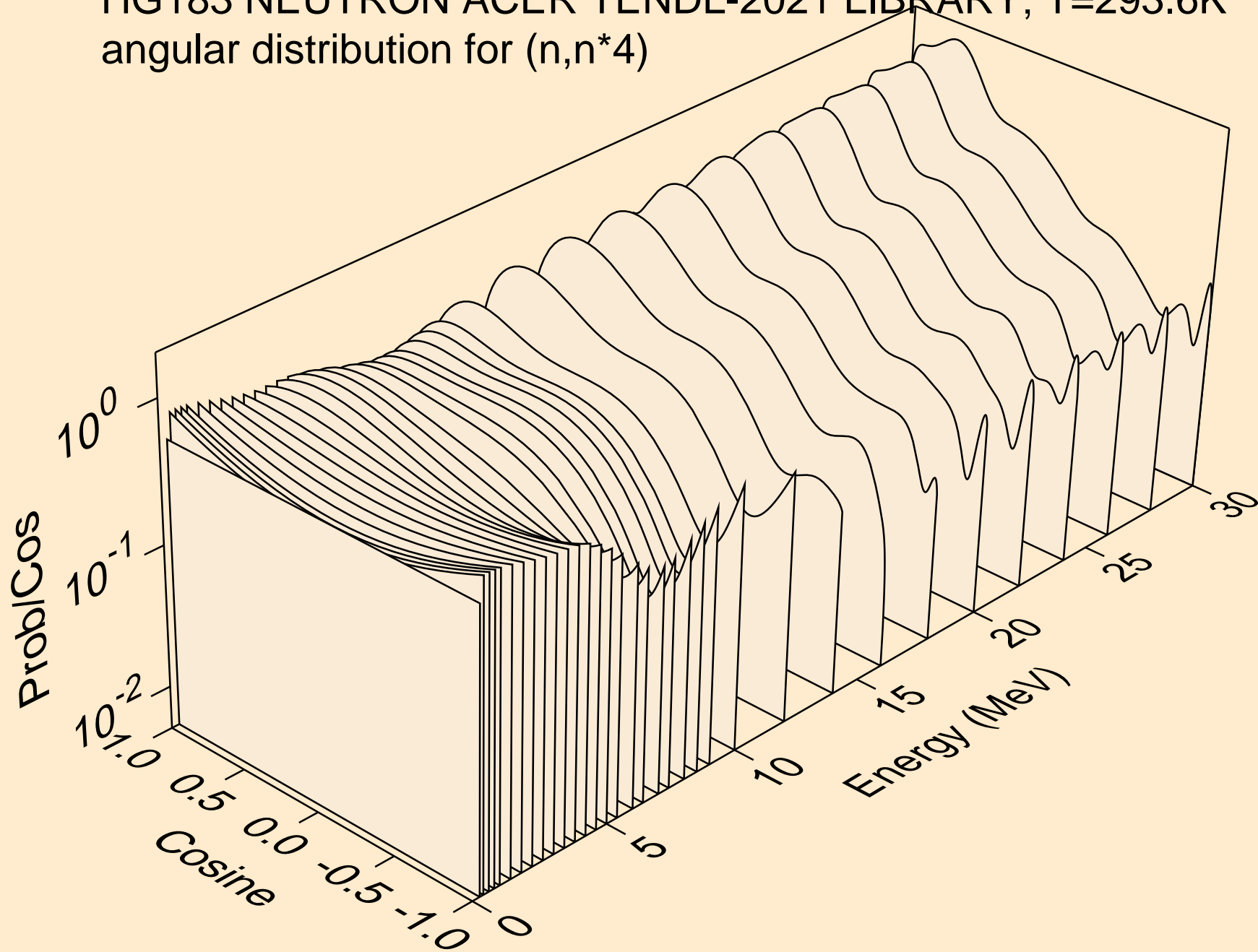
HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*2)



HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*3)

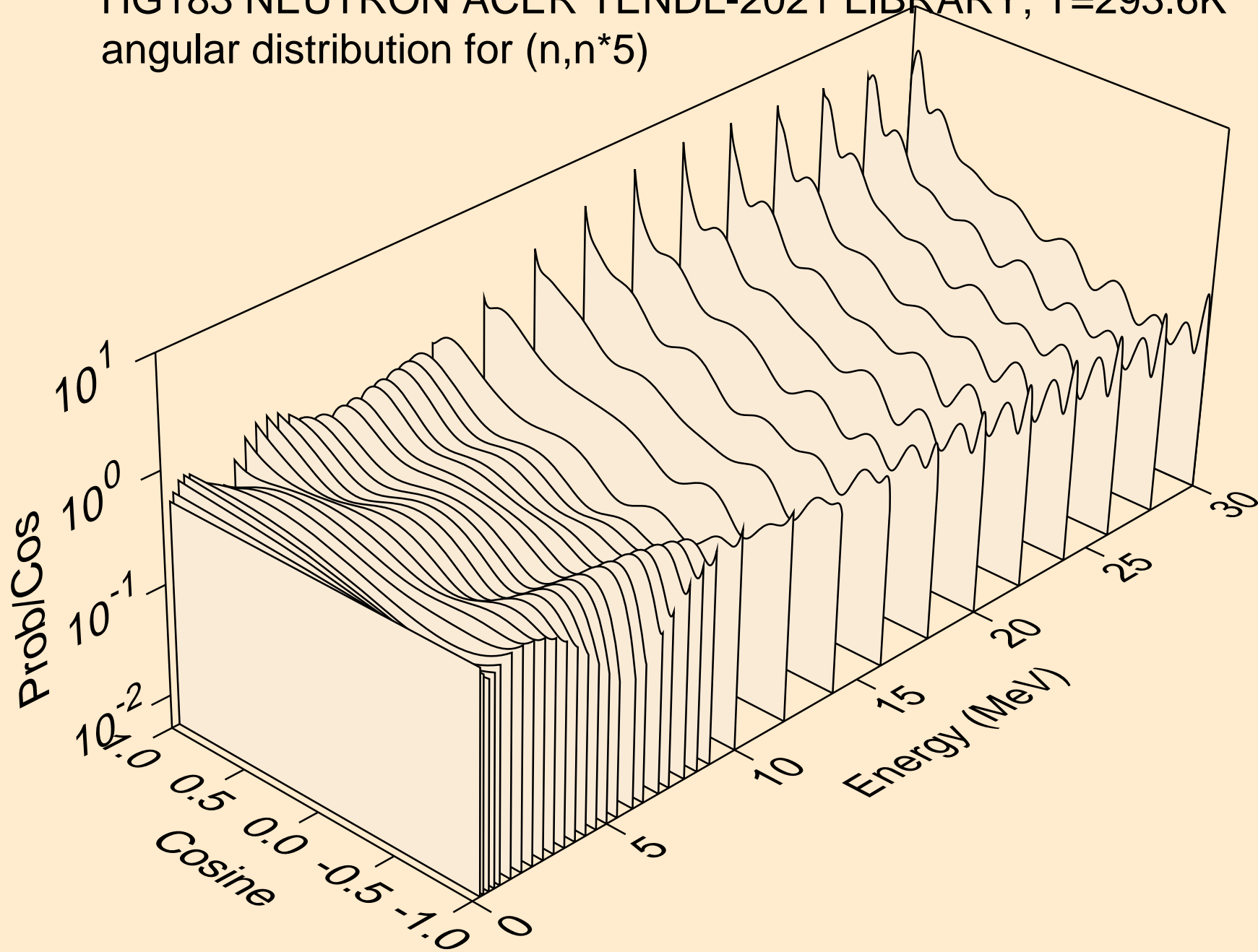


HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*4)

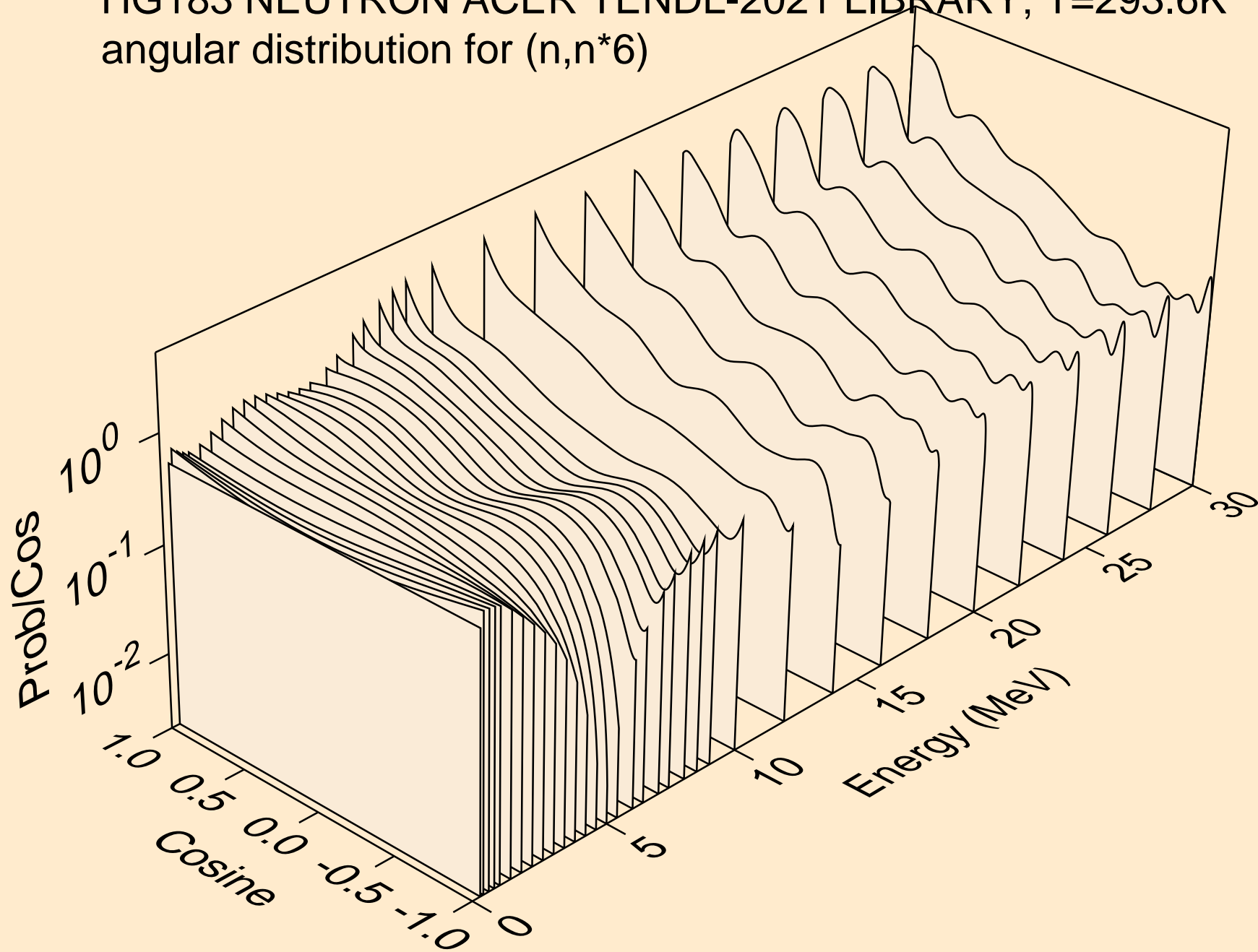




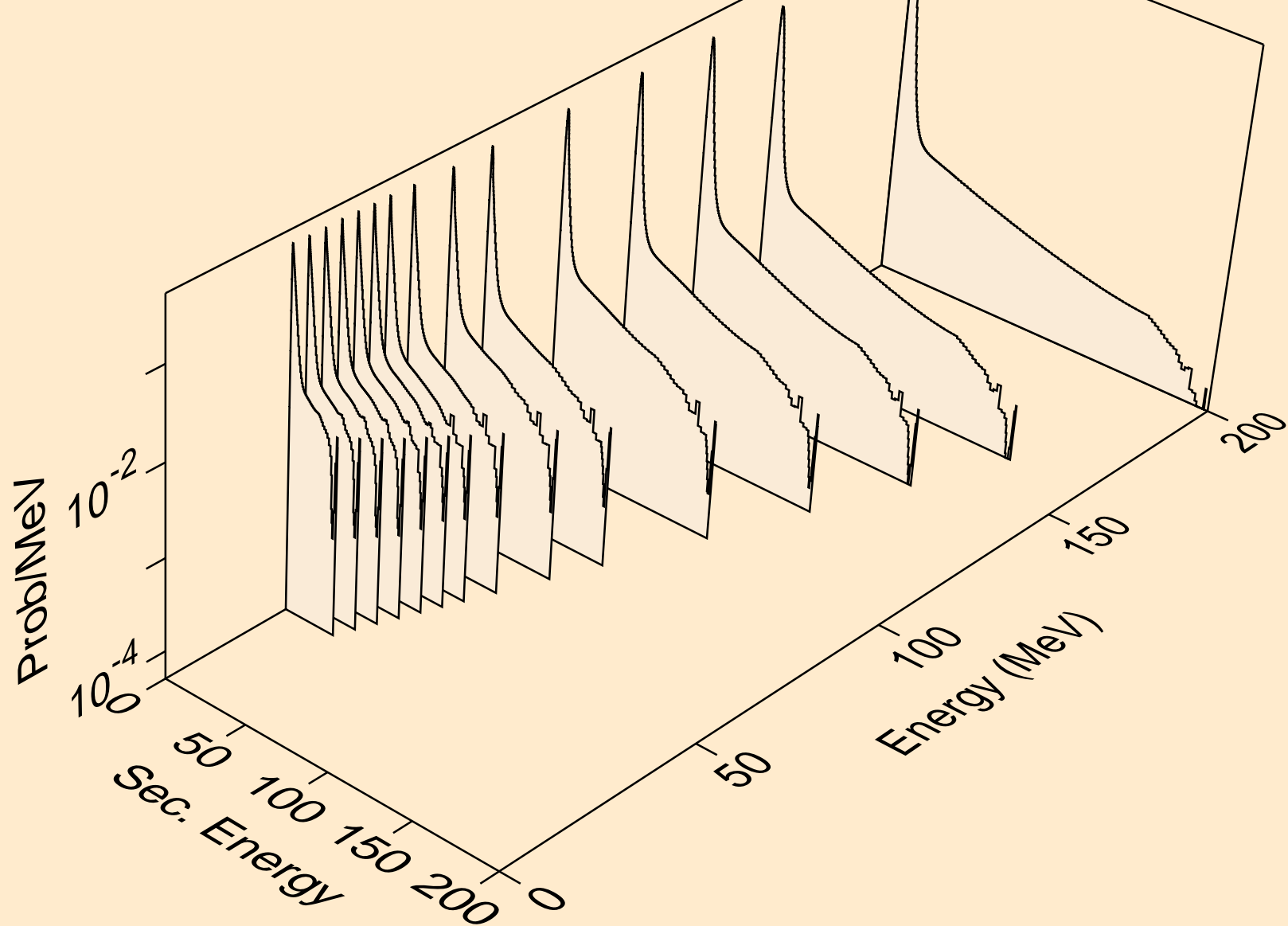
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angular distribution for (n,n\*5)



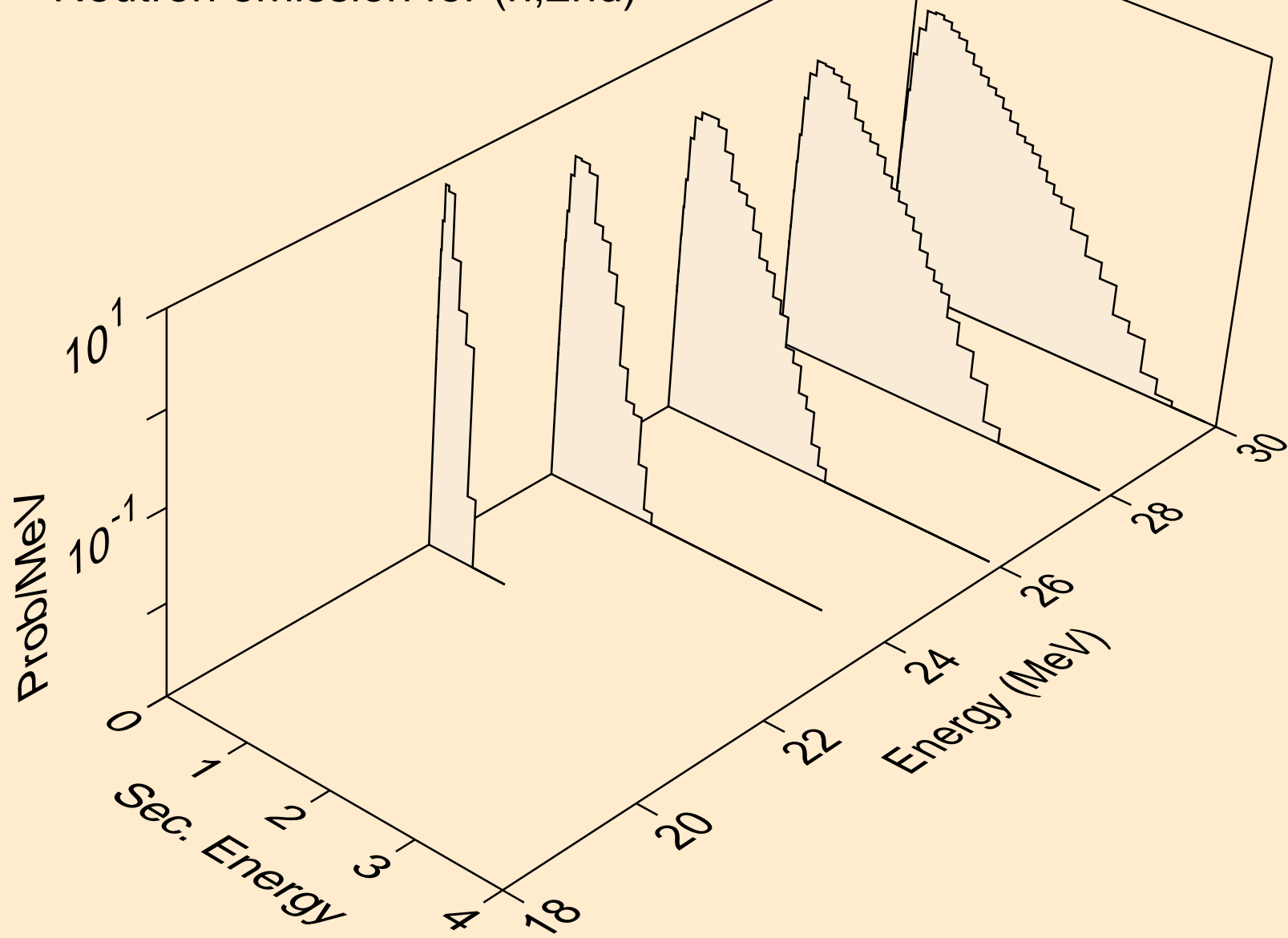
HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*6)



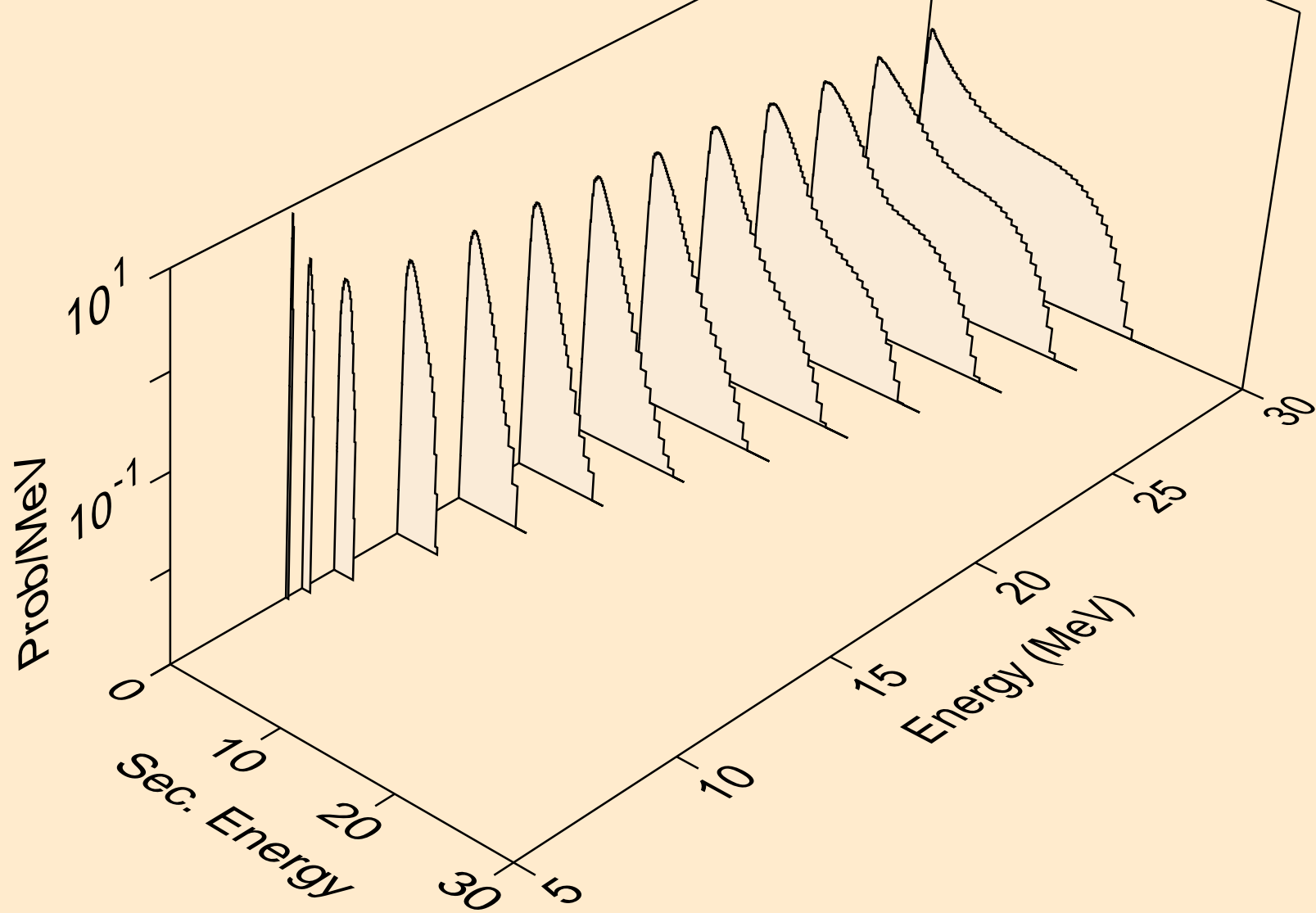
HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,x)



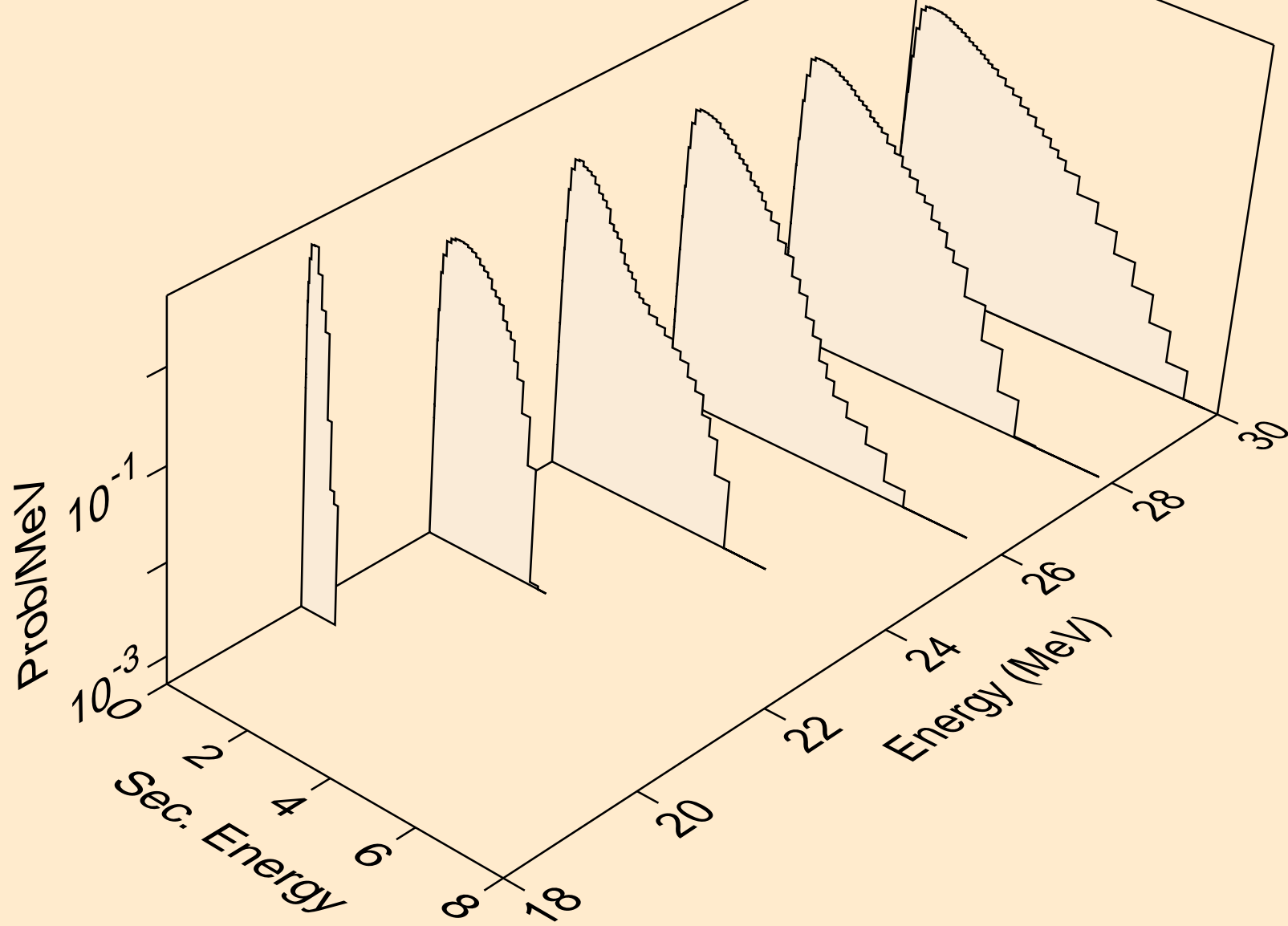
HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2nd)



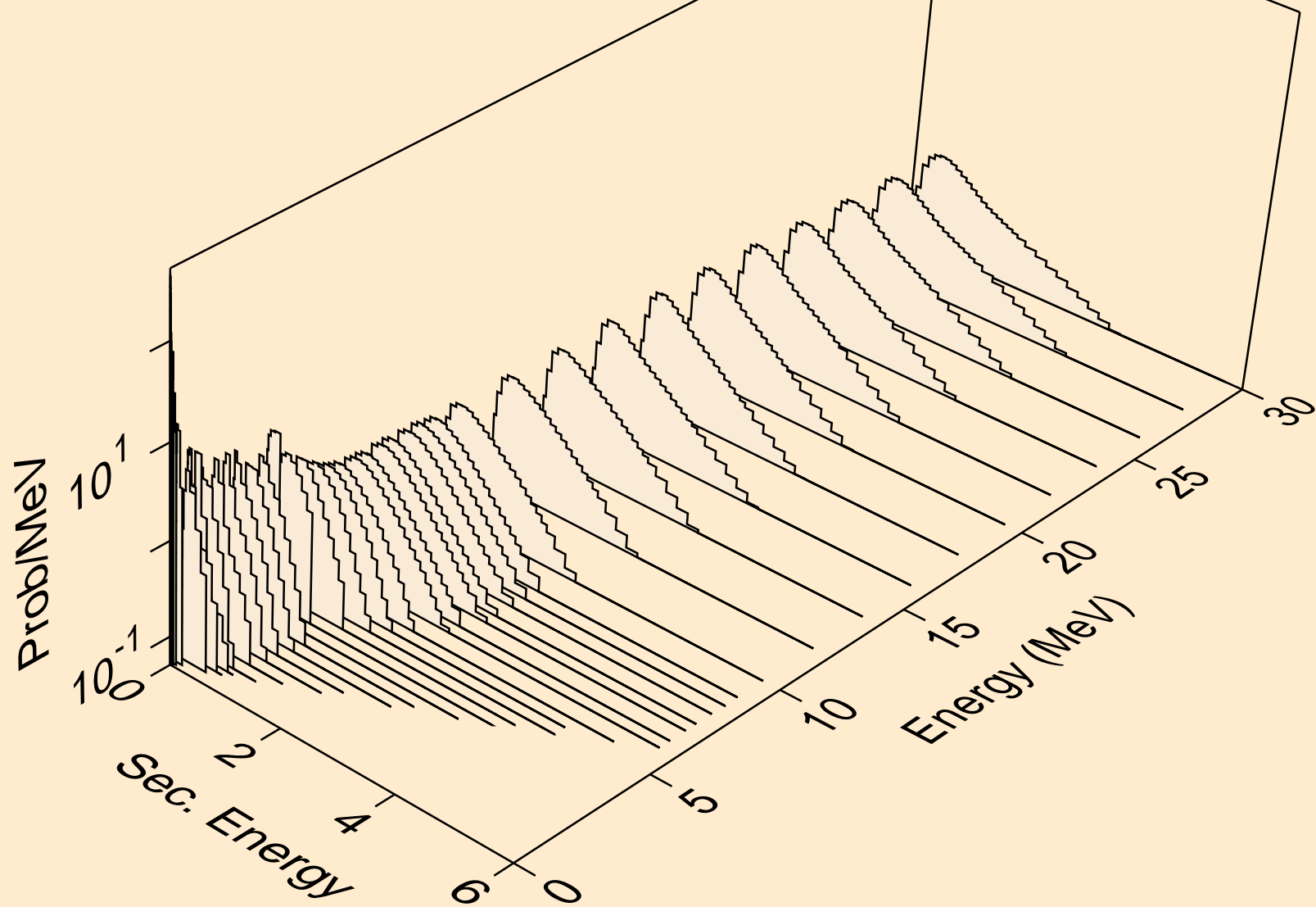
HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)



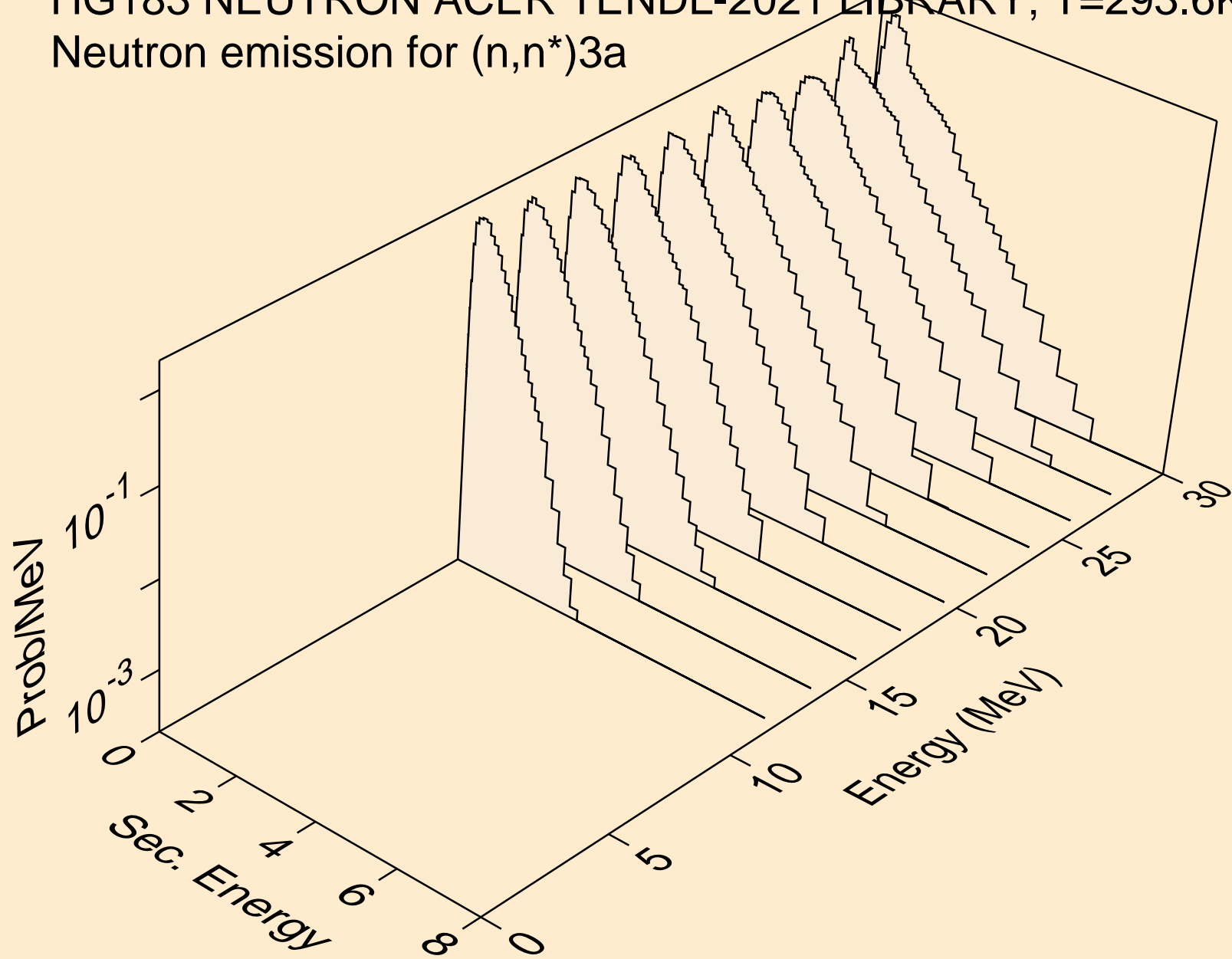
HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3n)



HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)a

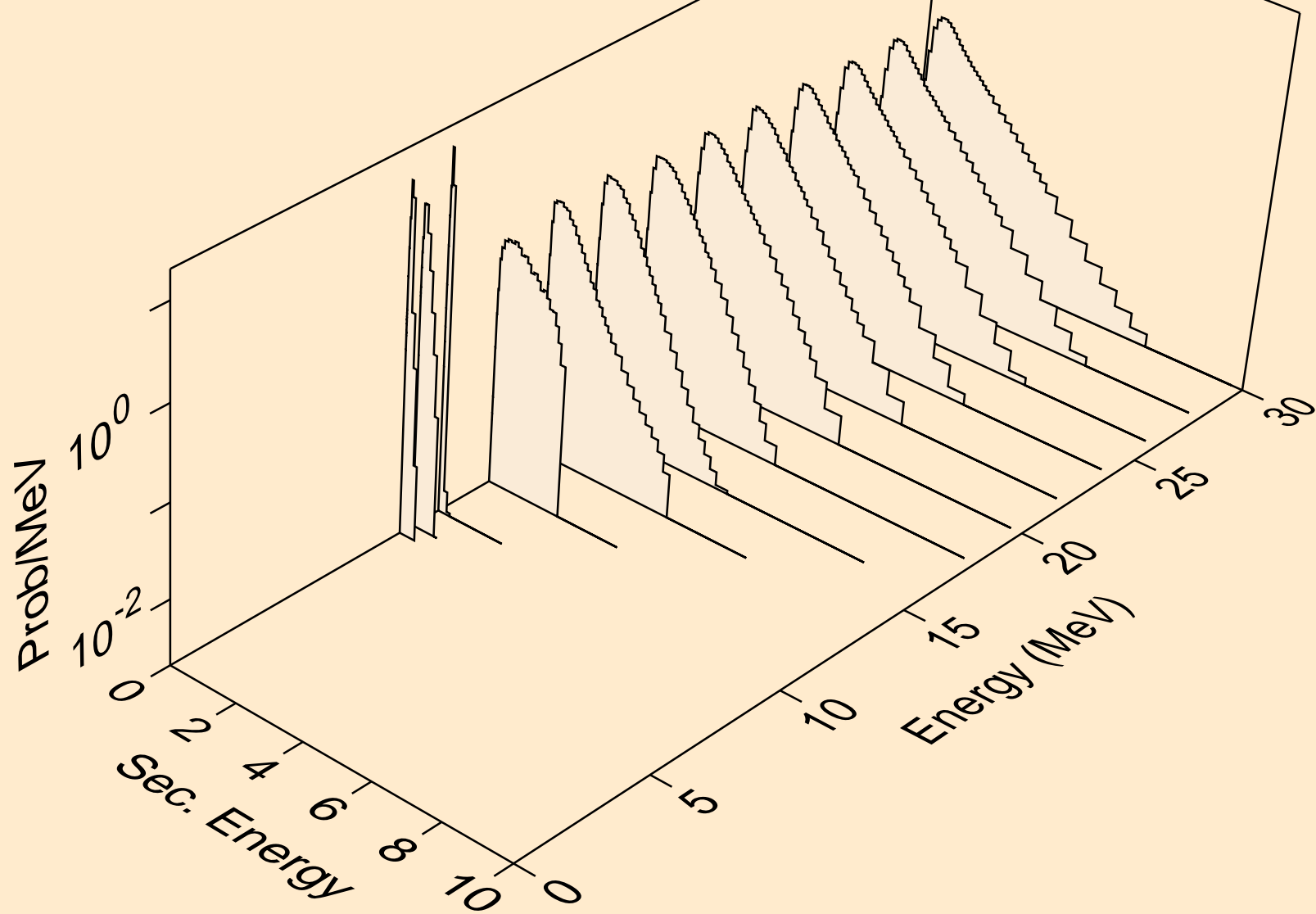


HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)3a

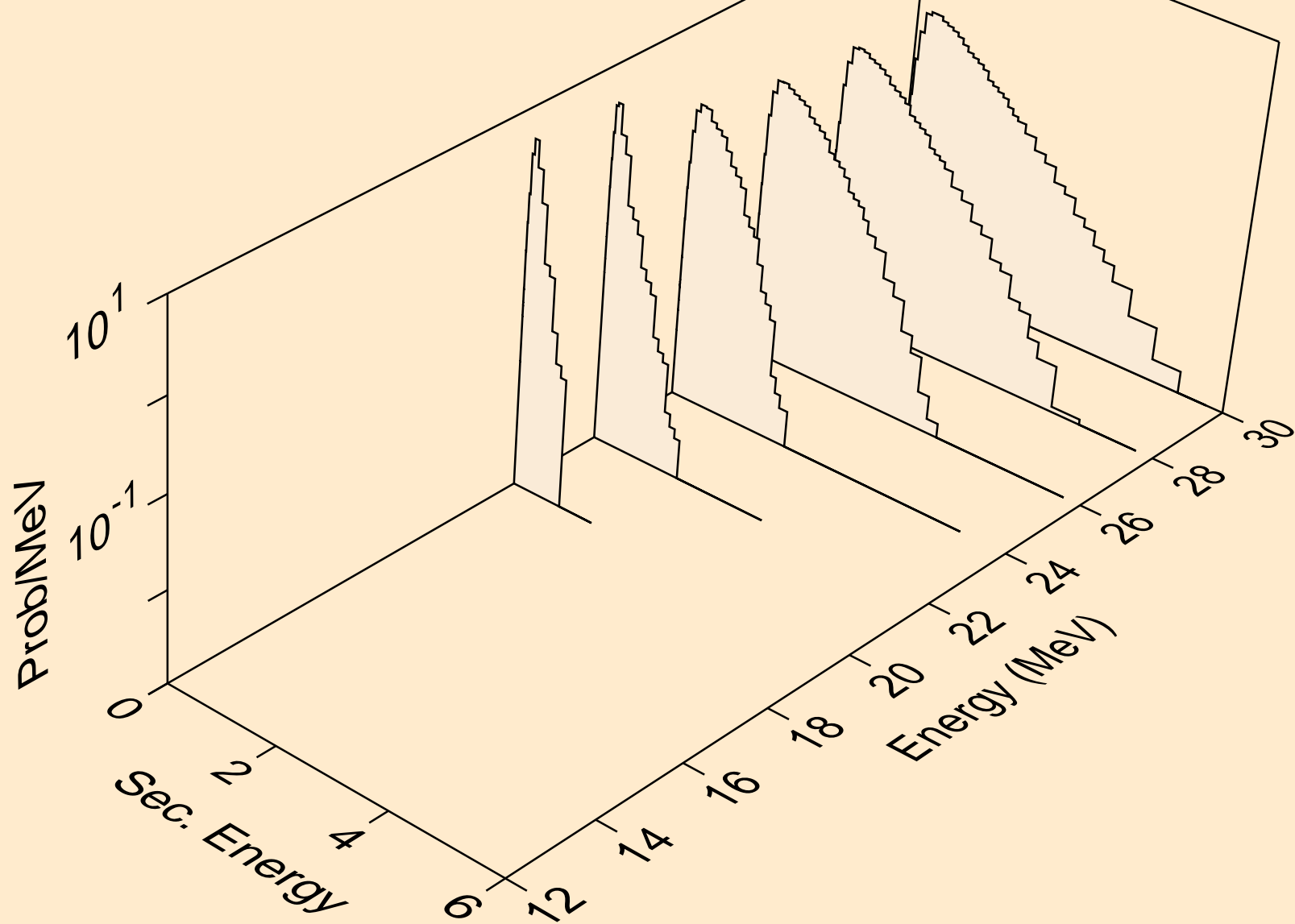




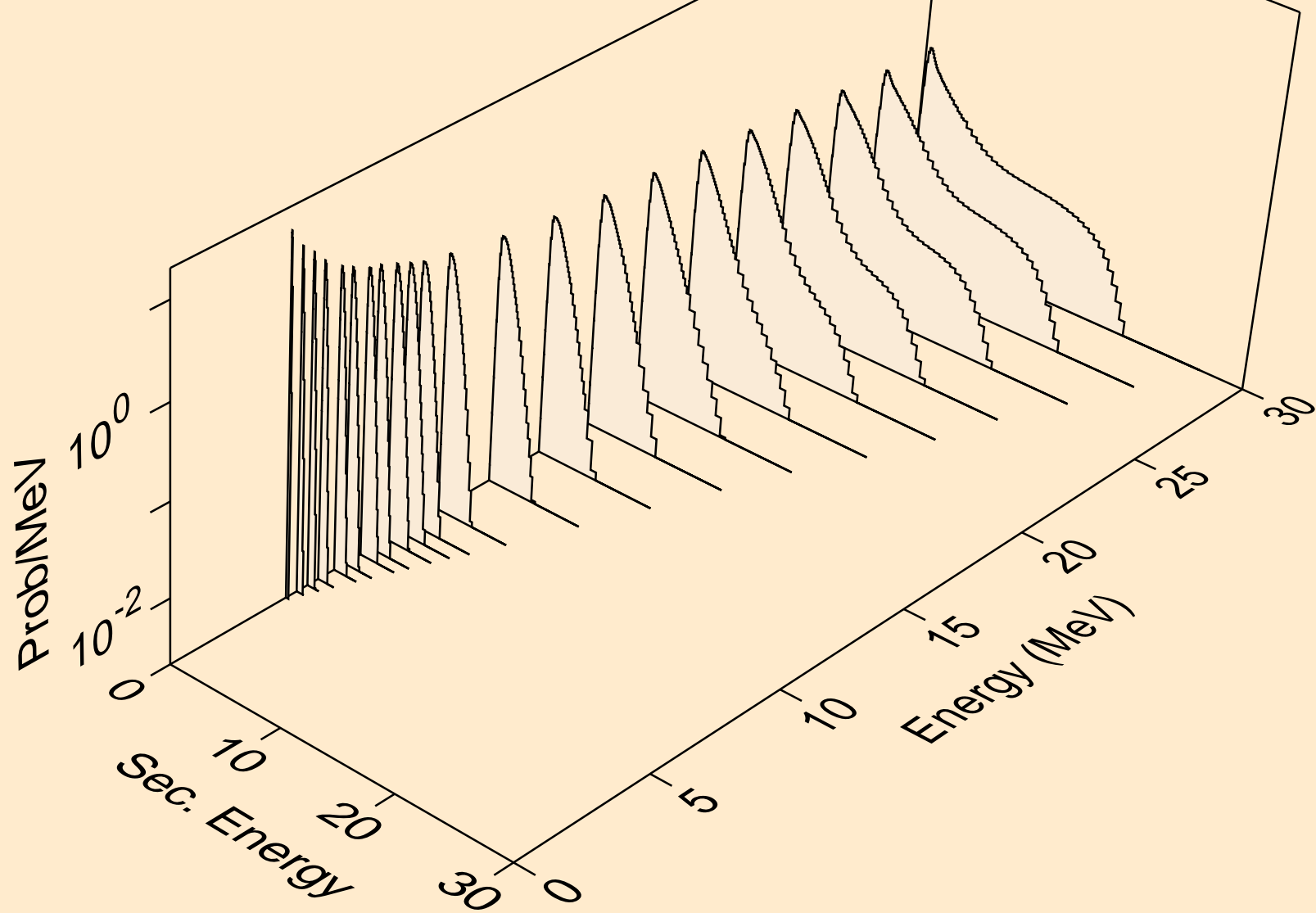
HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)a



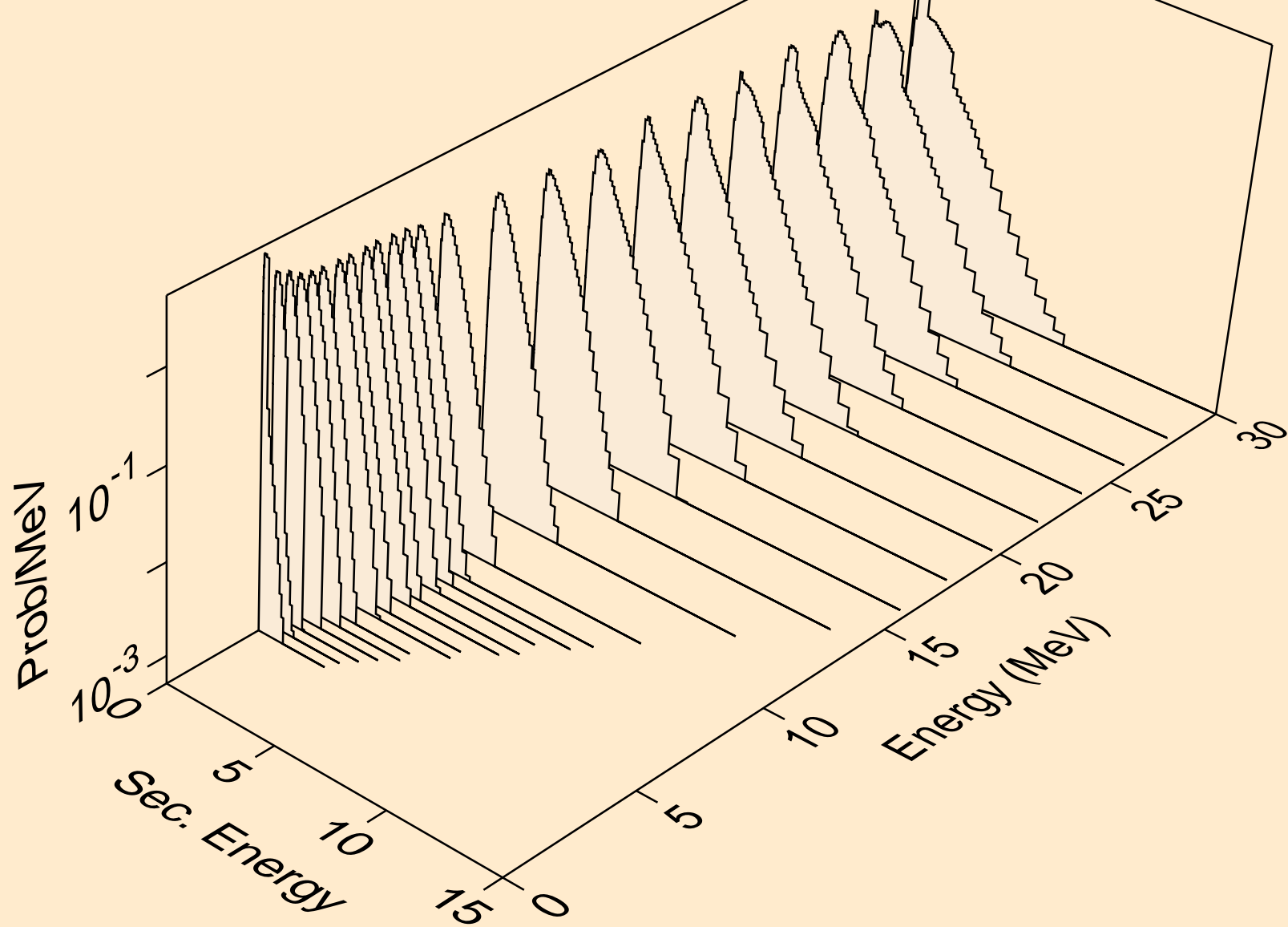
HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3n)a



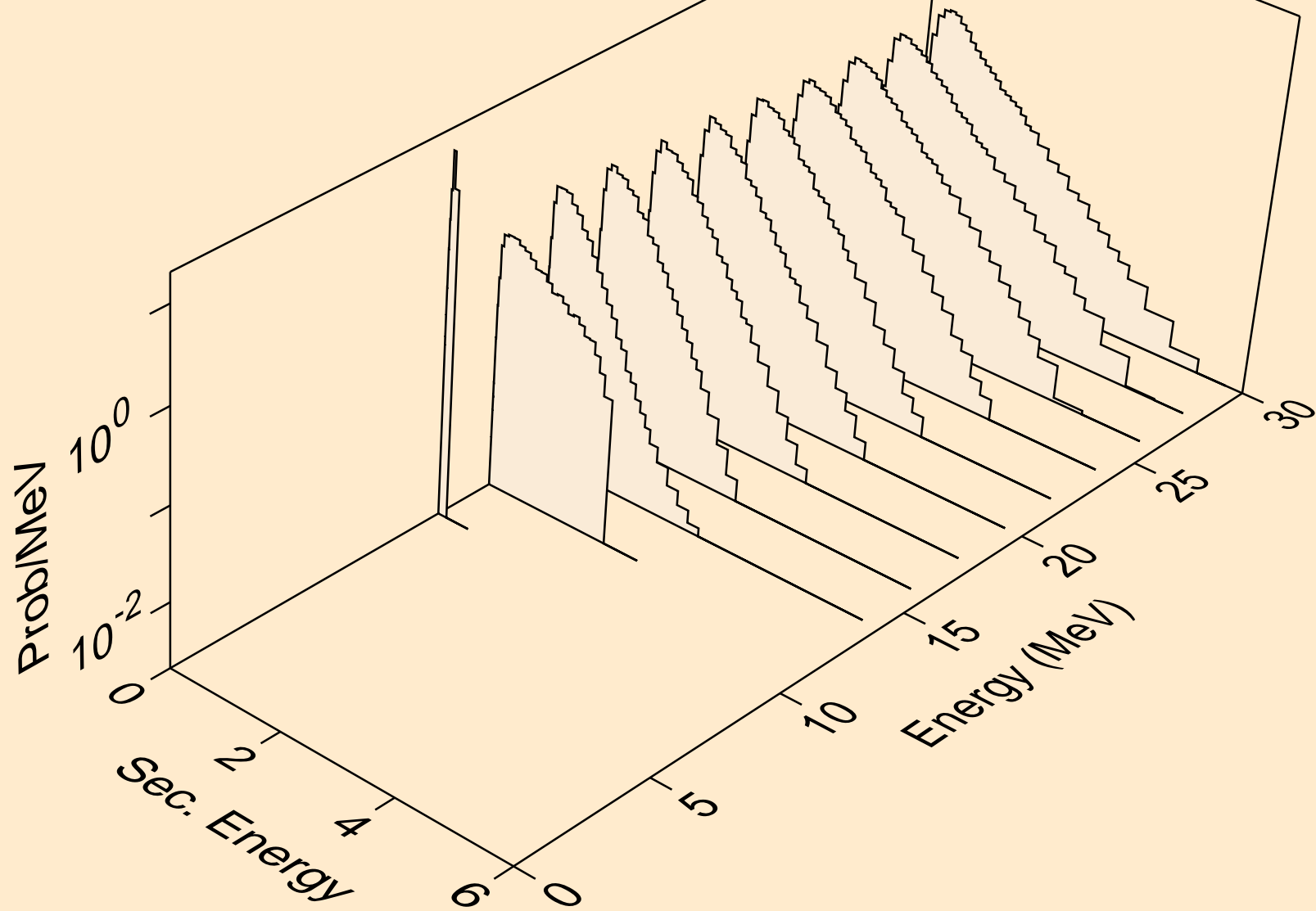
HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)p



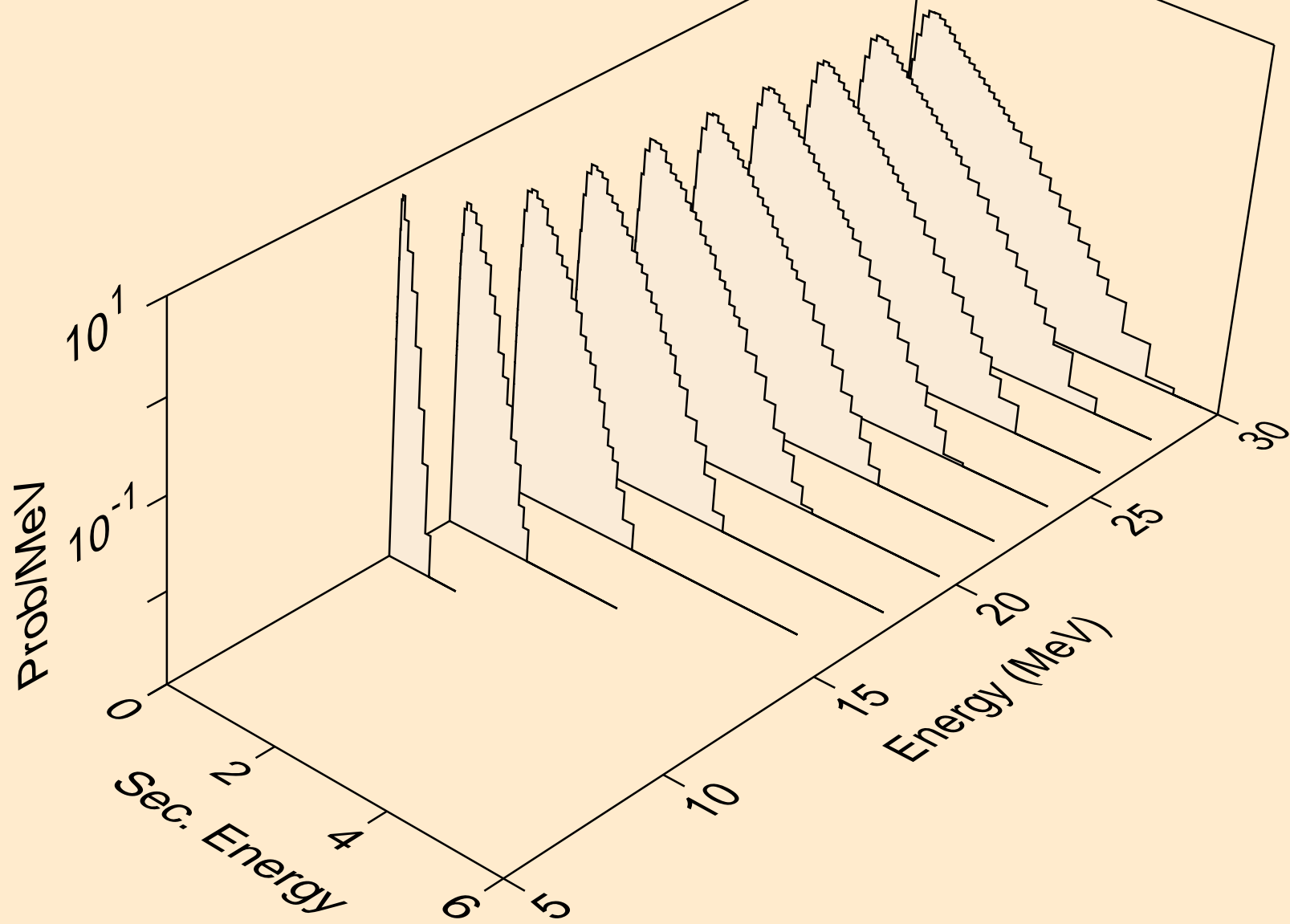
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Neutron emission for (n,n\*)2a



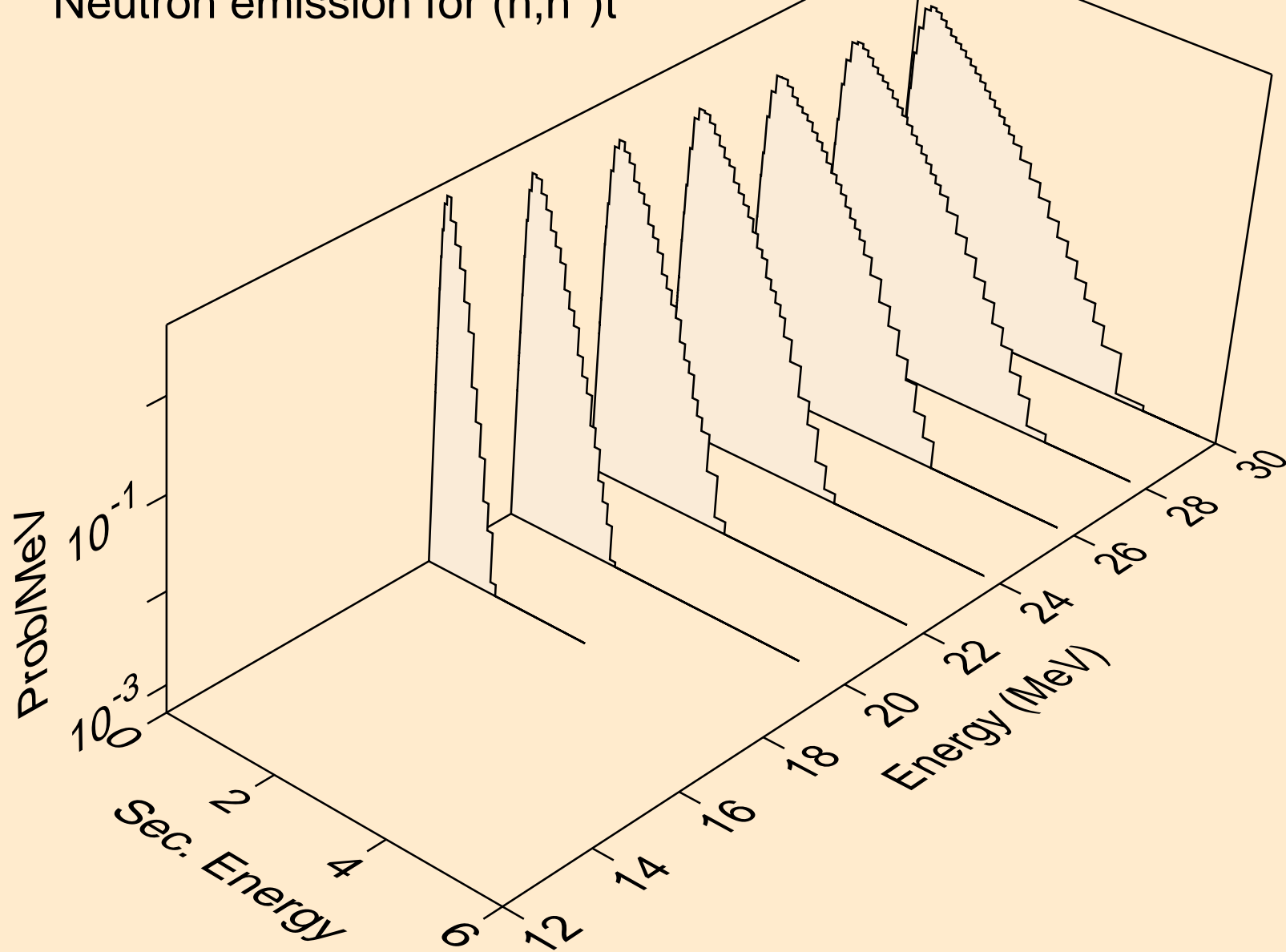
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Neutron emission for (n,2n)2a



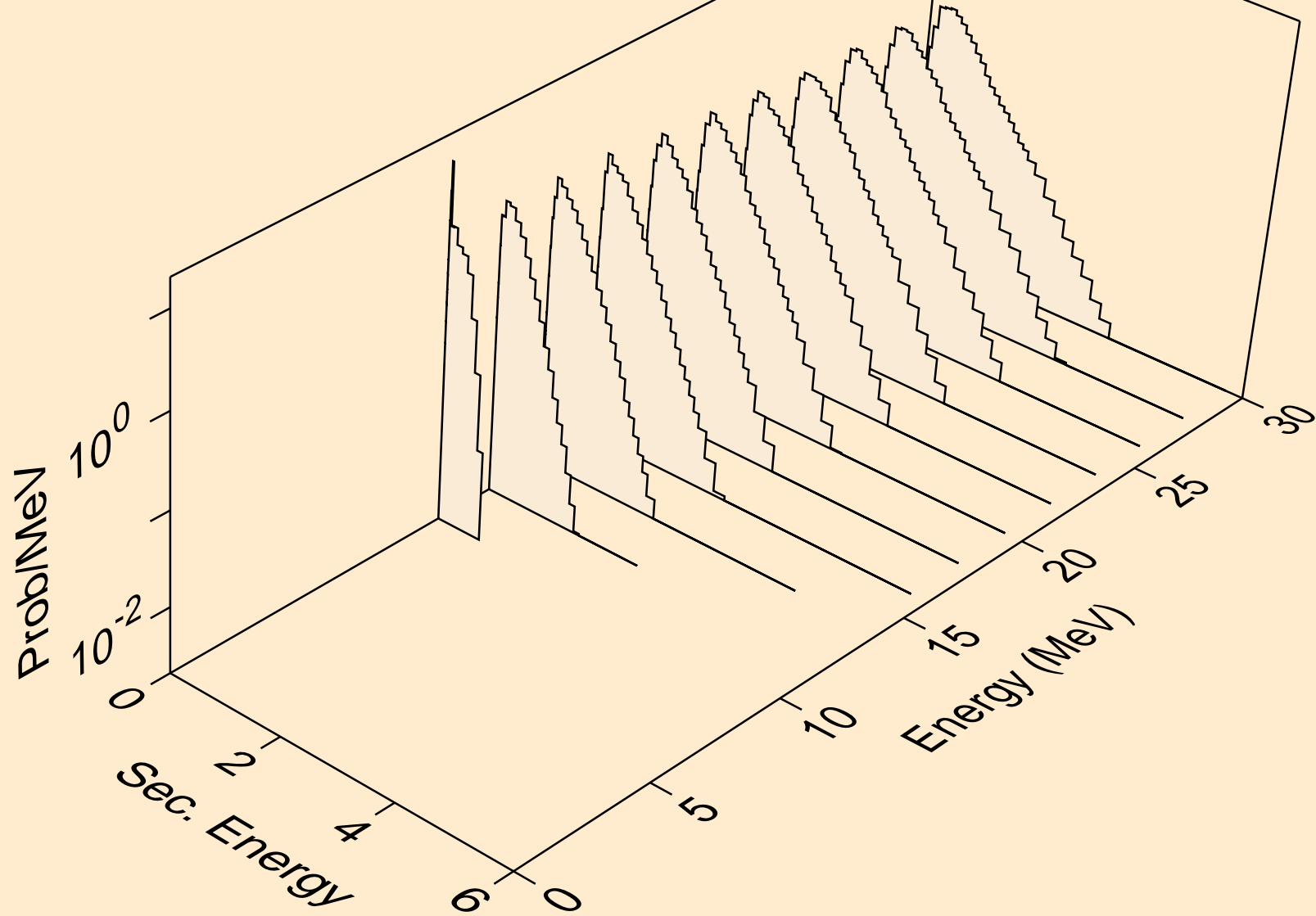
HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)d



HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)t

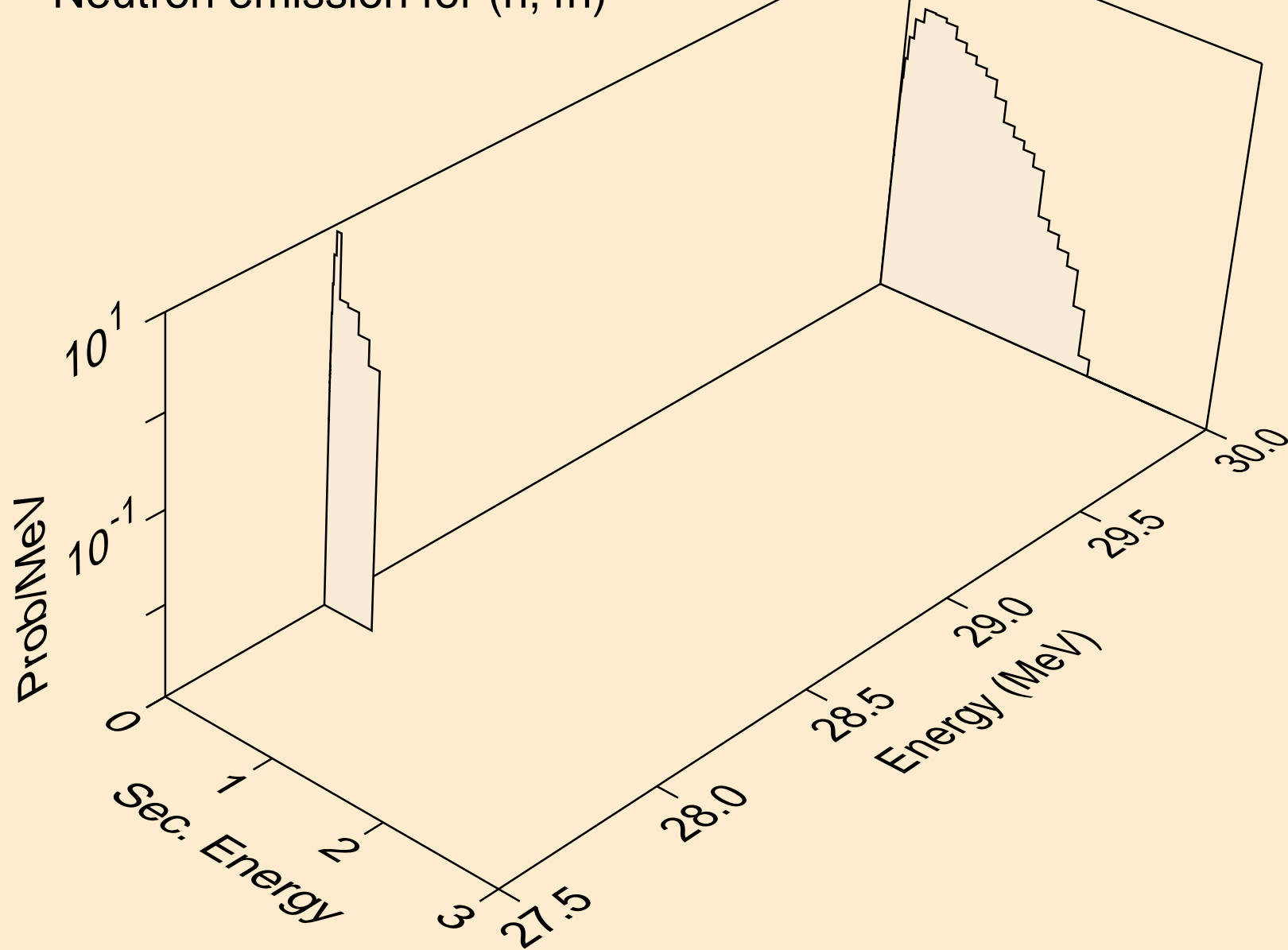


HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)he3

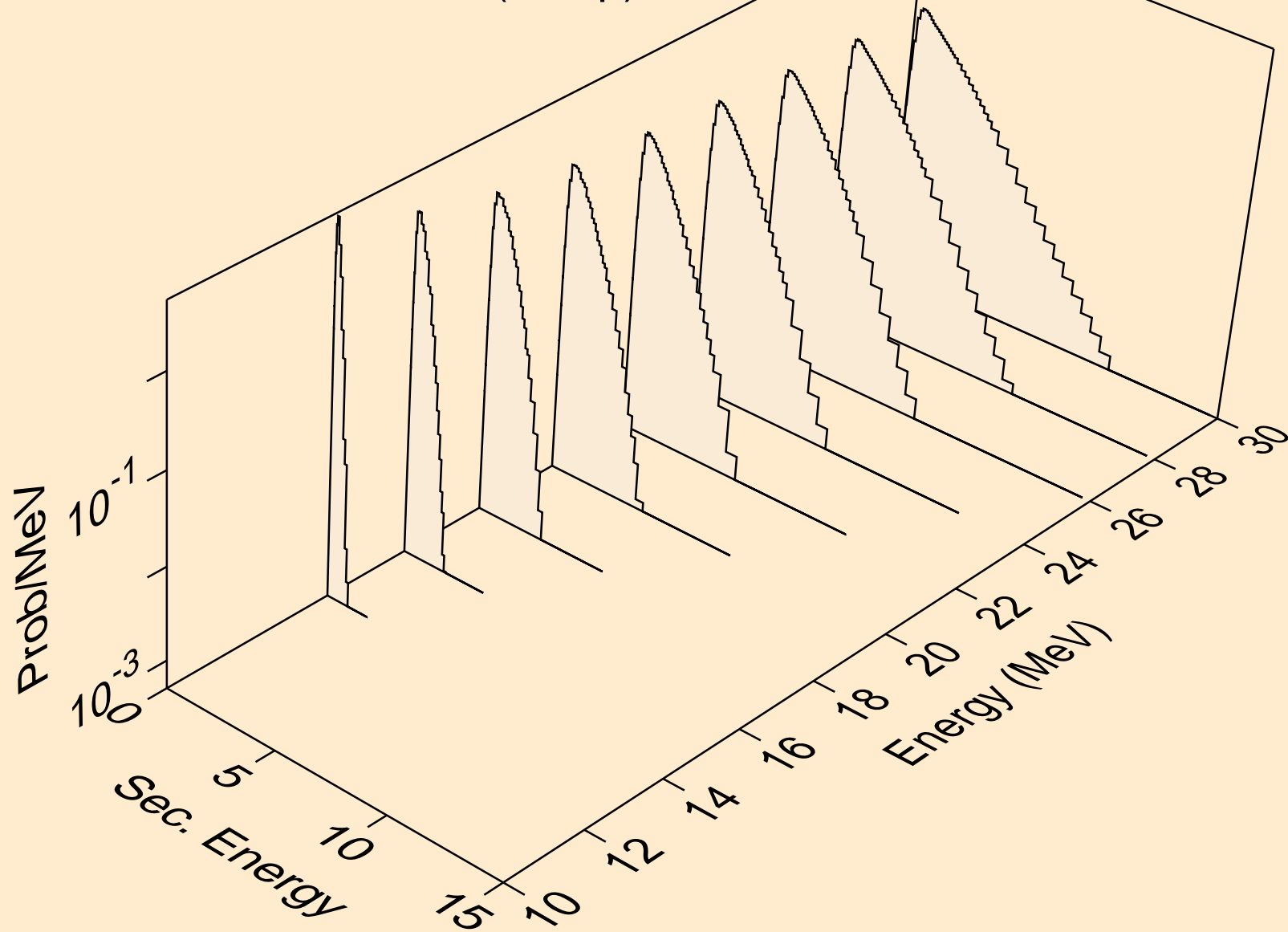




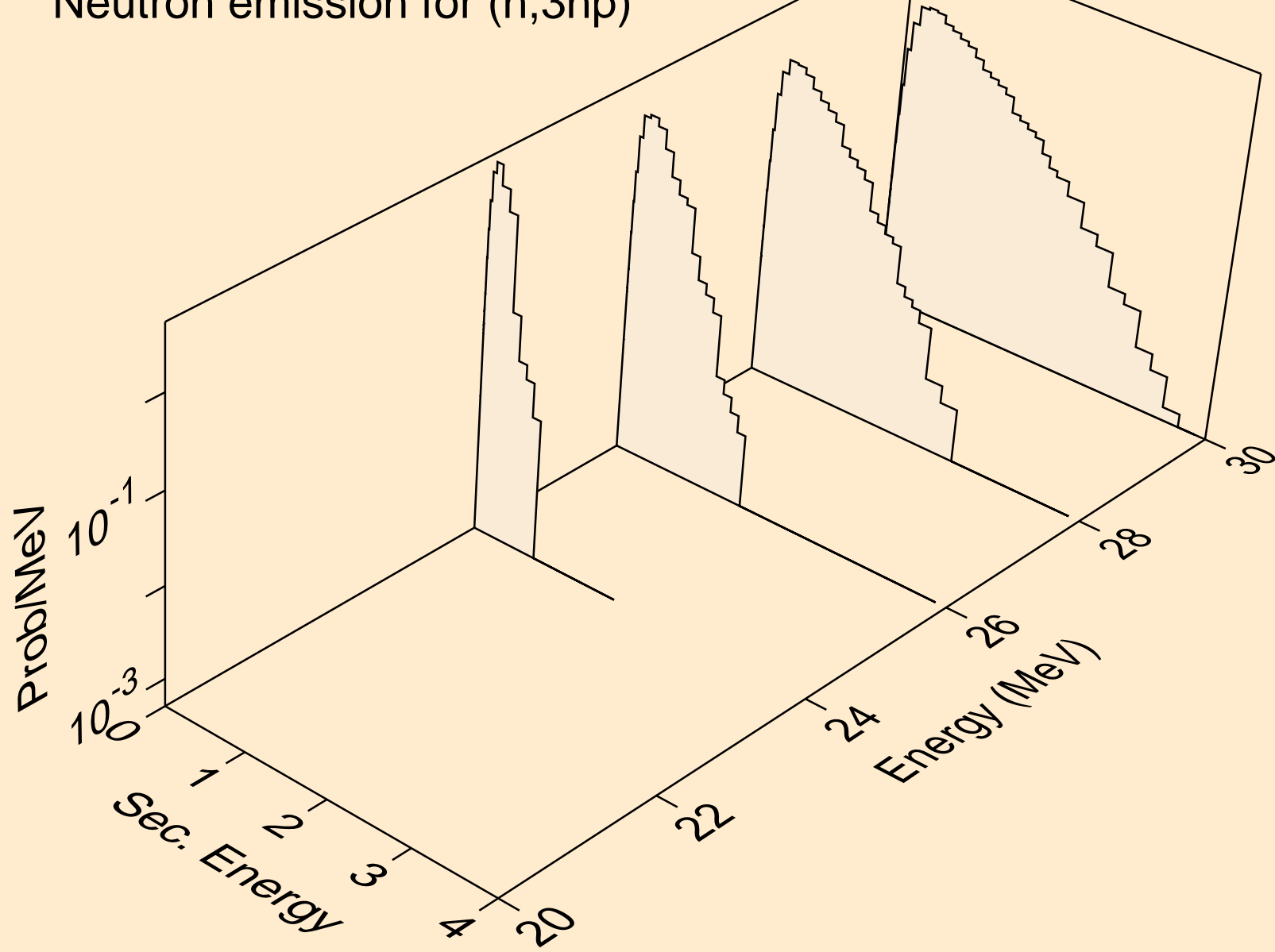
HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,4n)



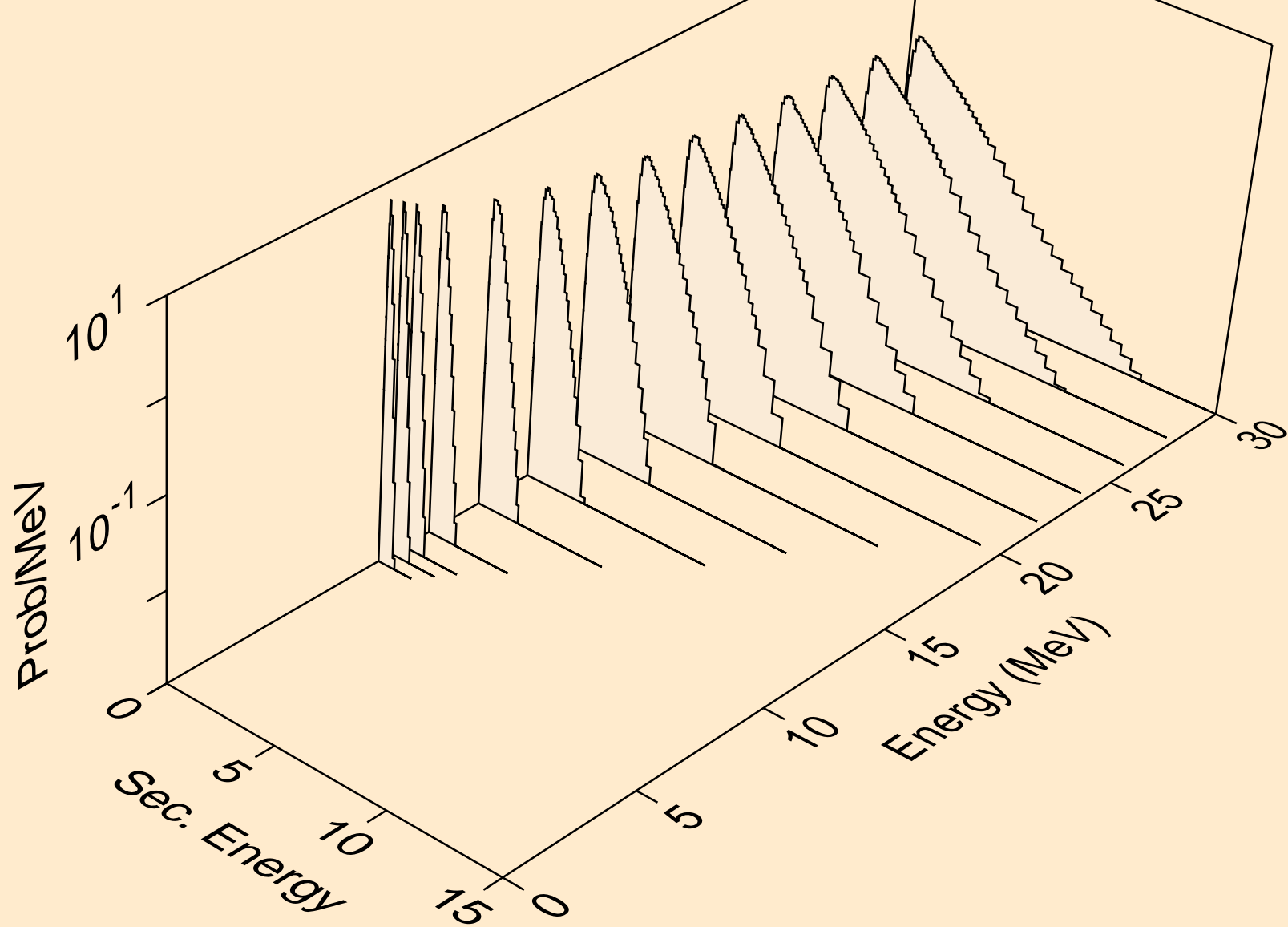
HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2np)



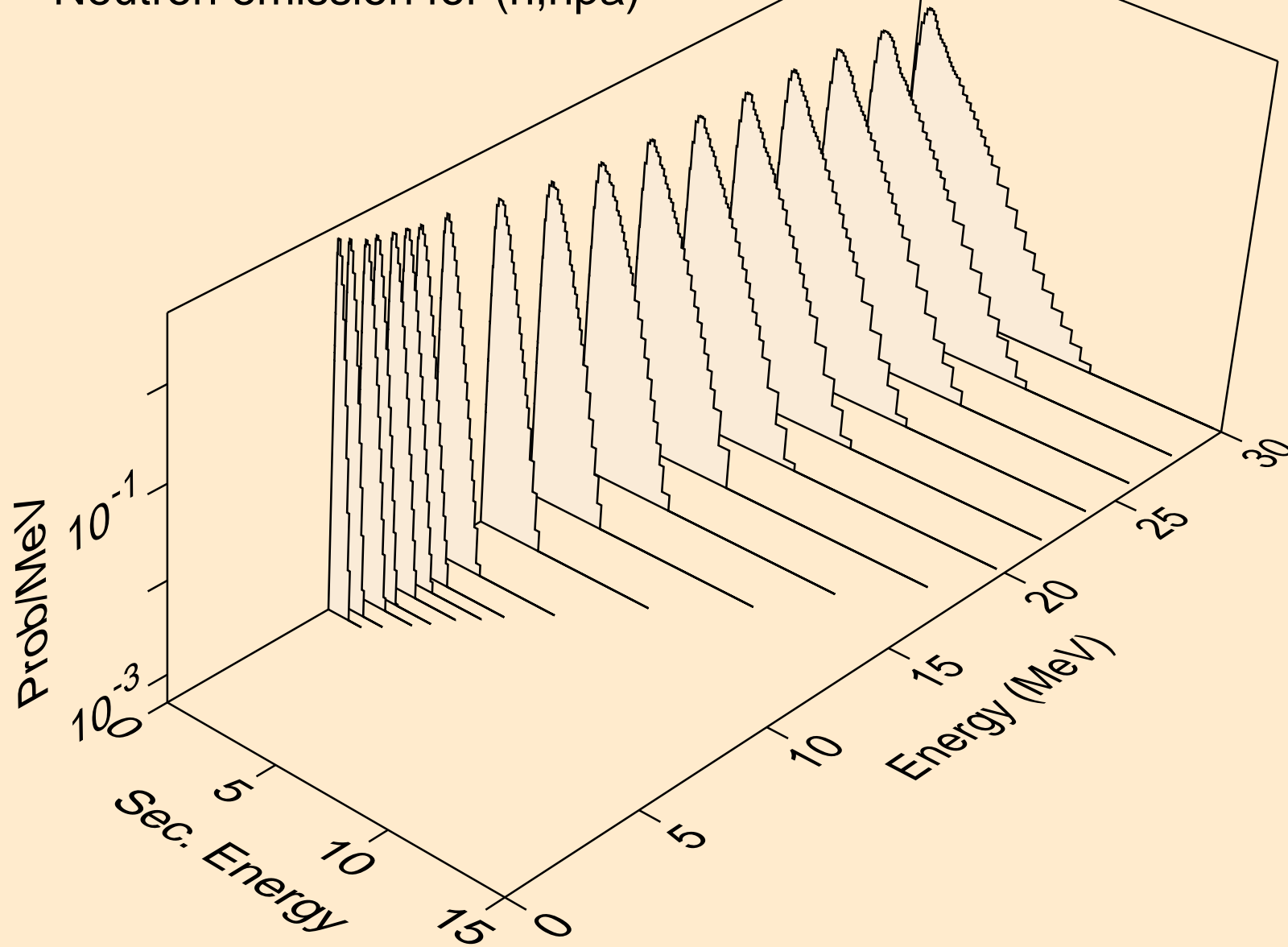
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Neutron emission for (n,3np)



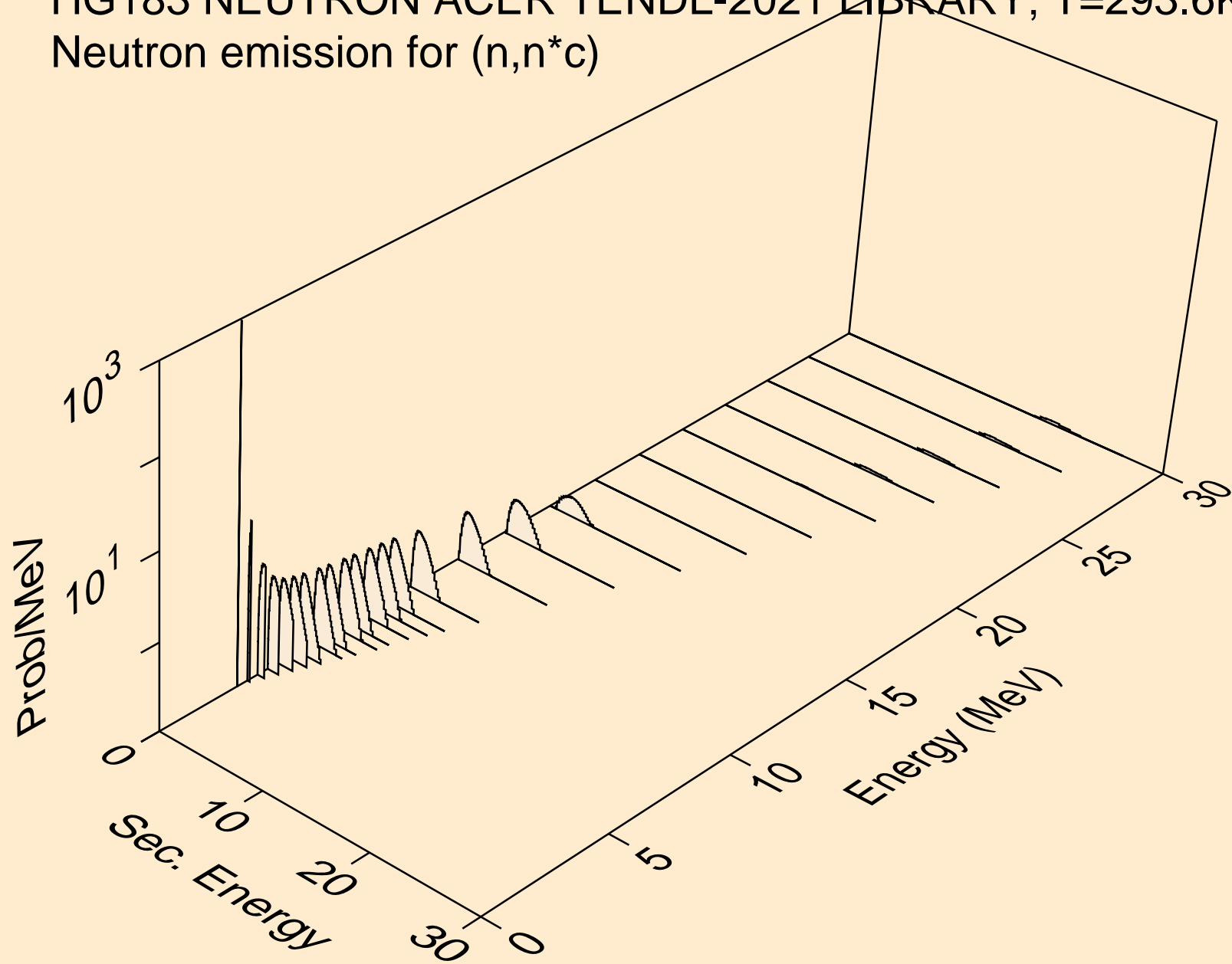
HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2np)



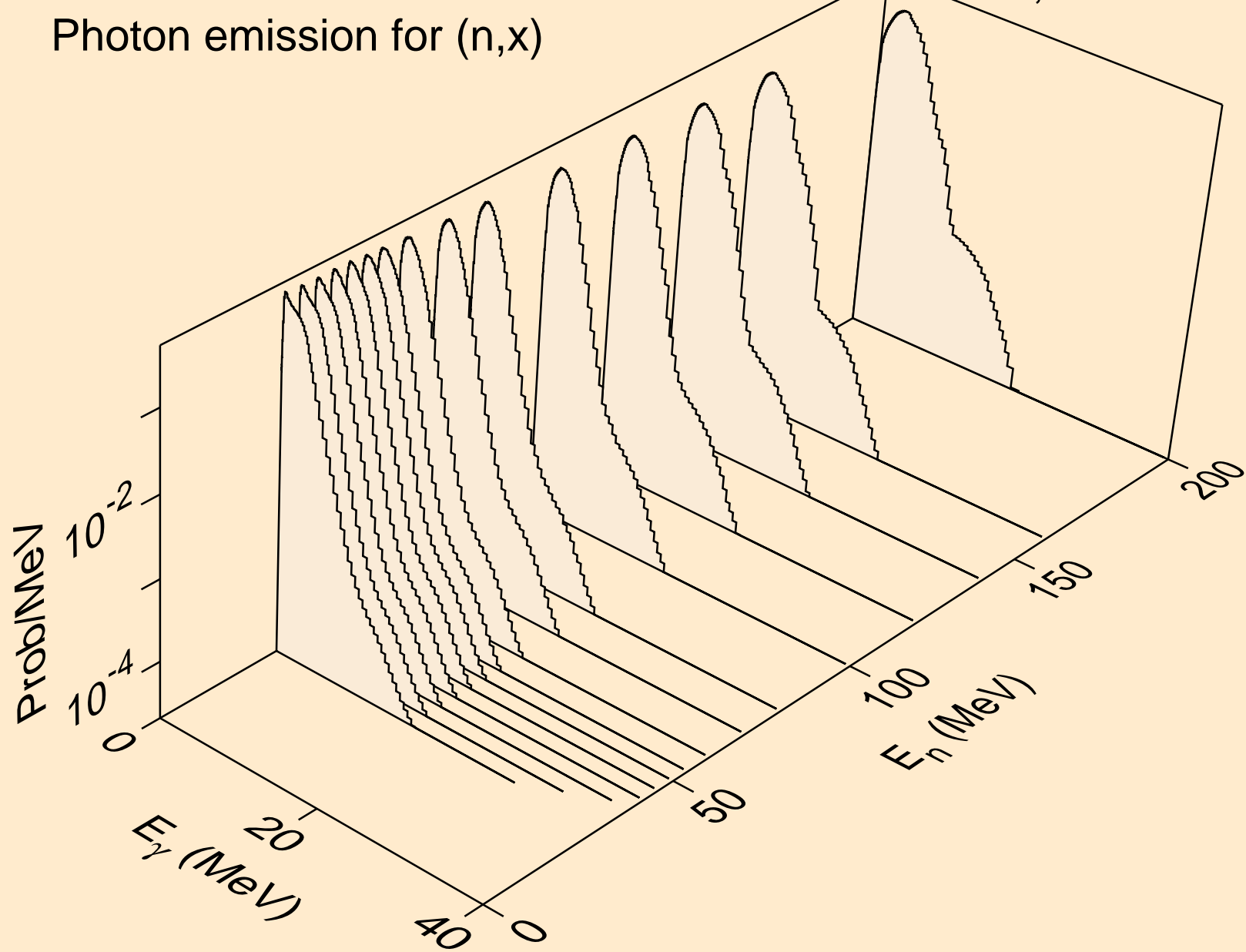
HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,npa)



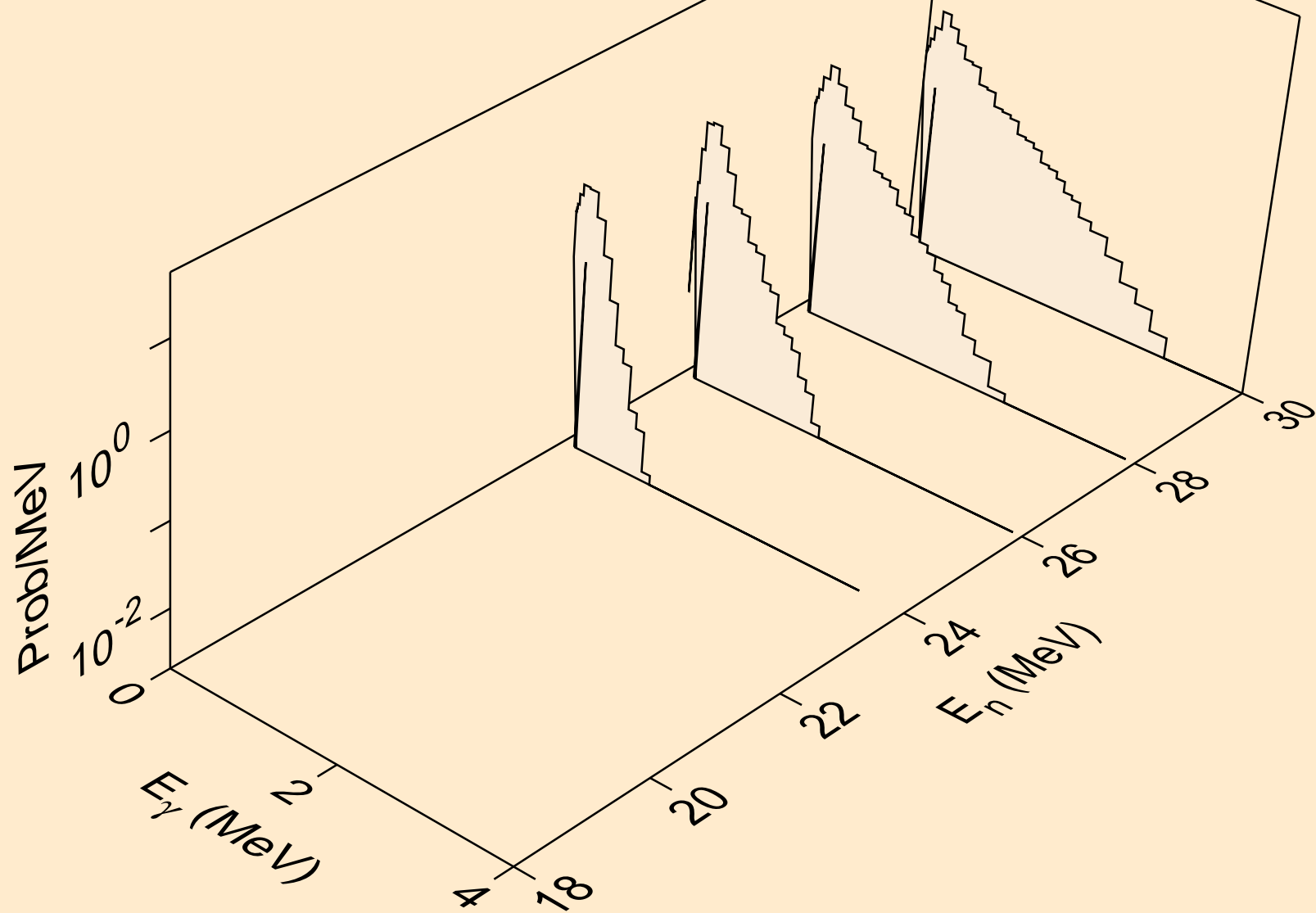
HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*c)



HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,x)

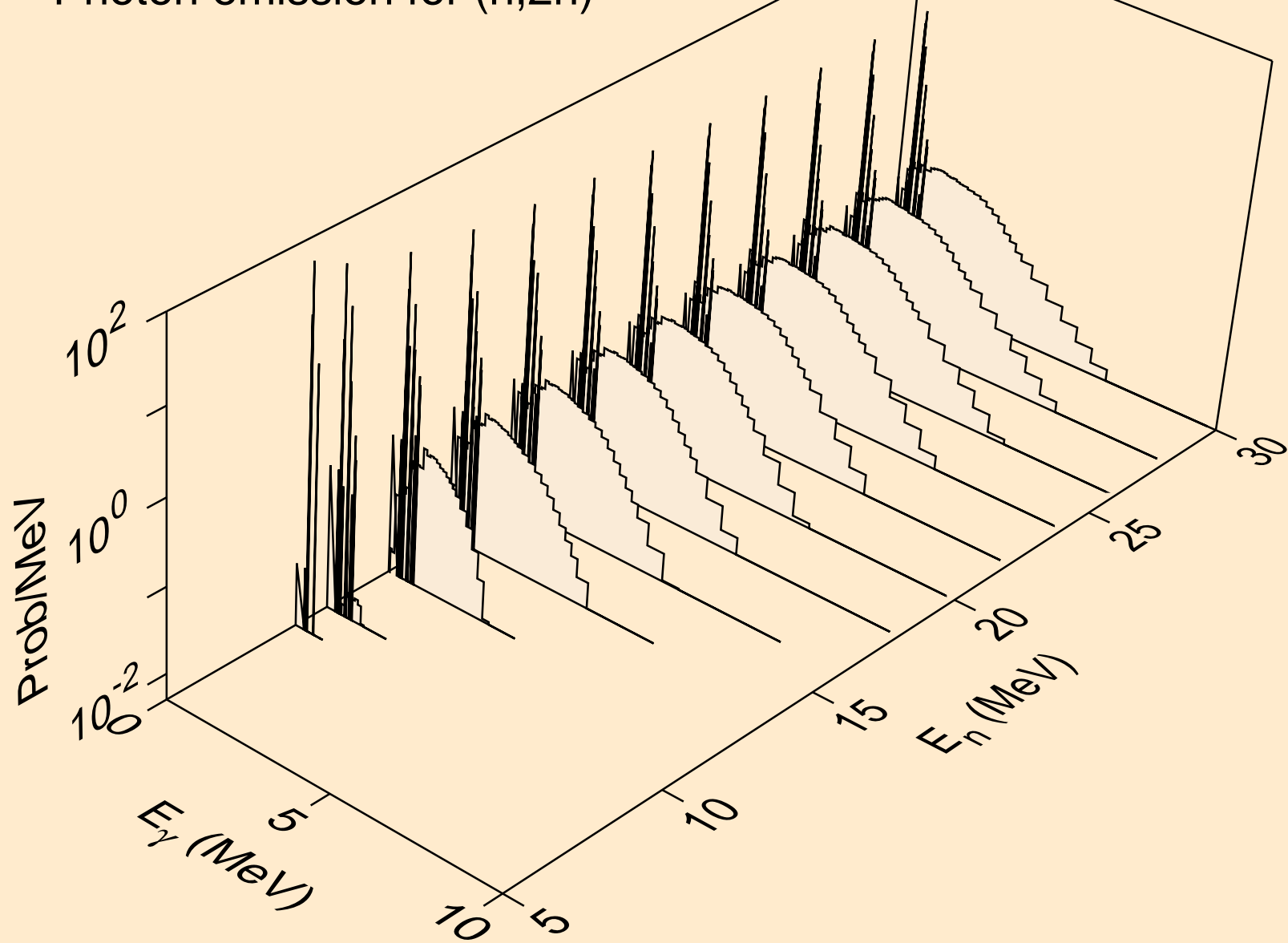


HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2nd)

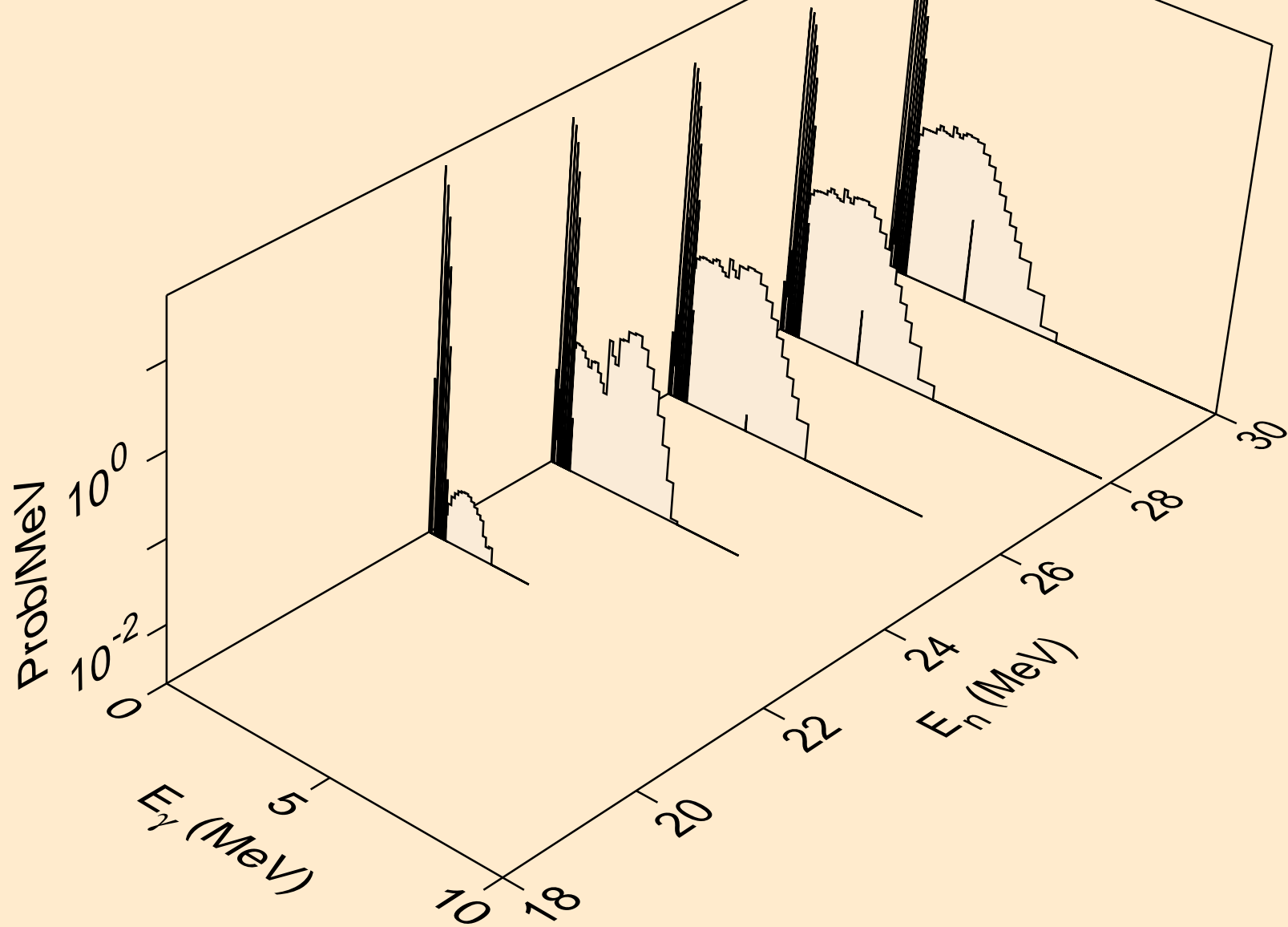




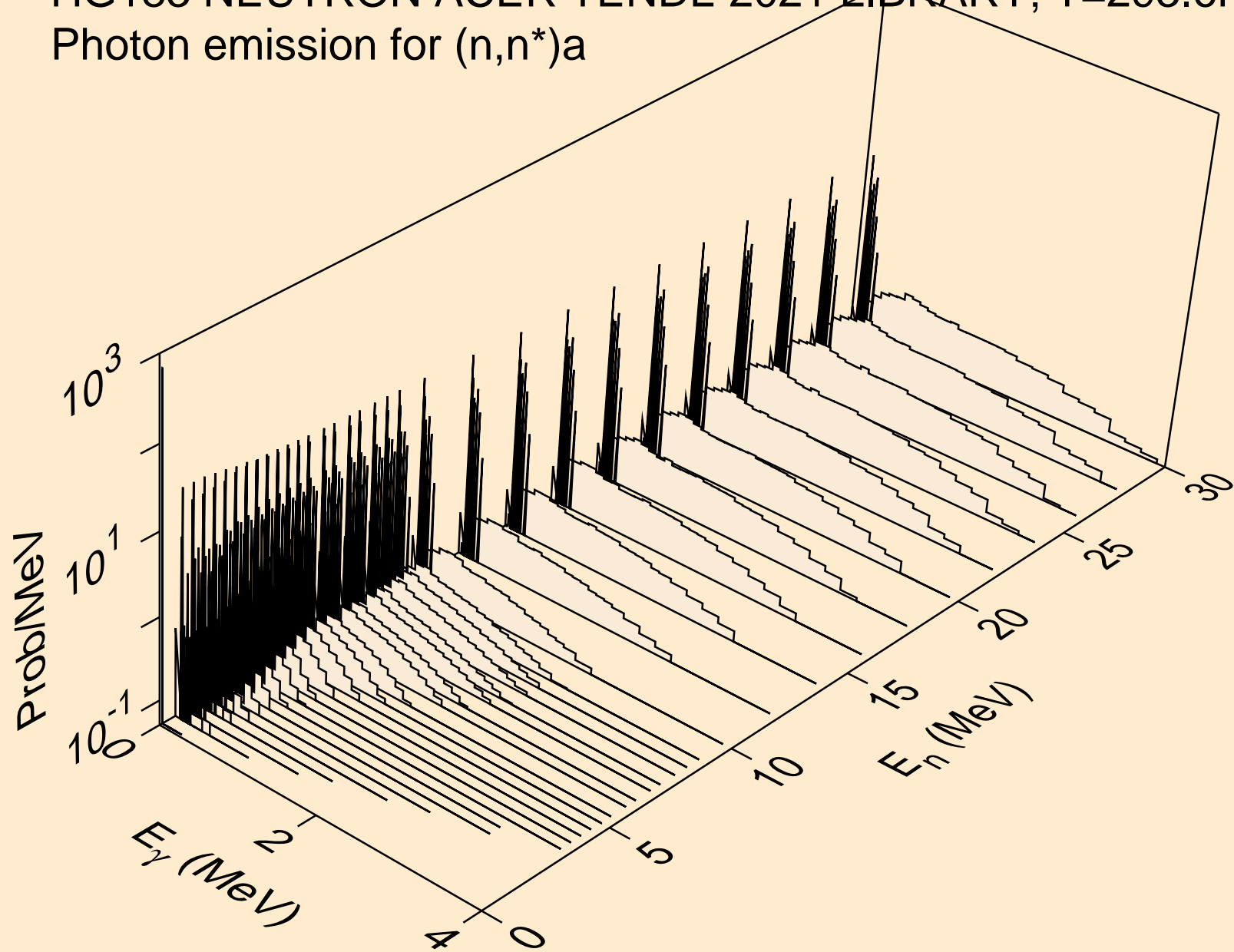
HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2n)



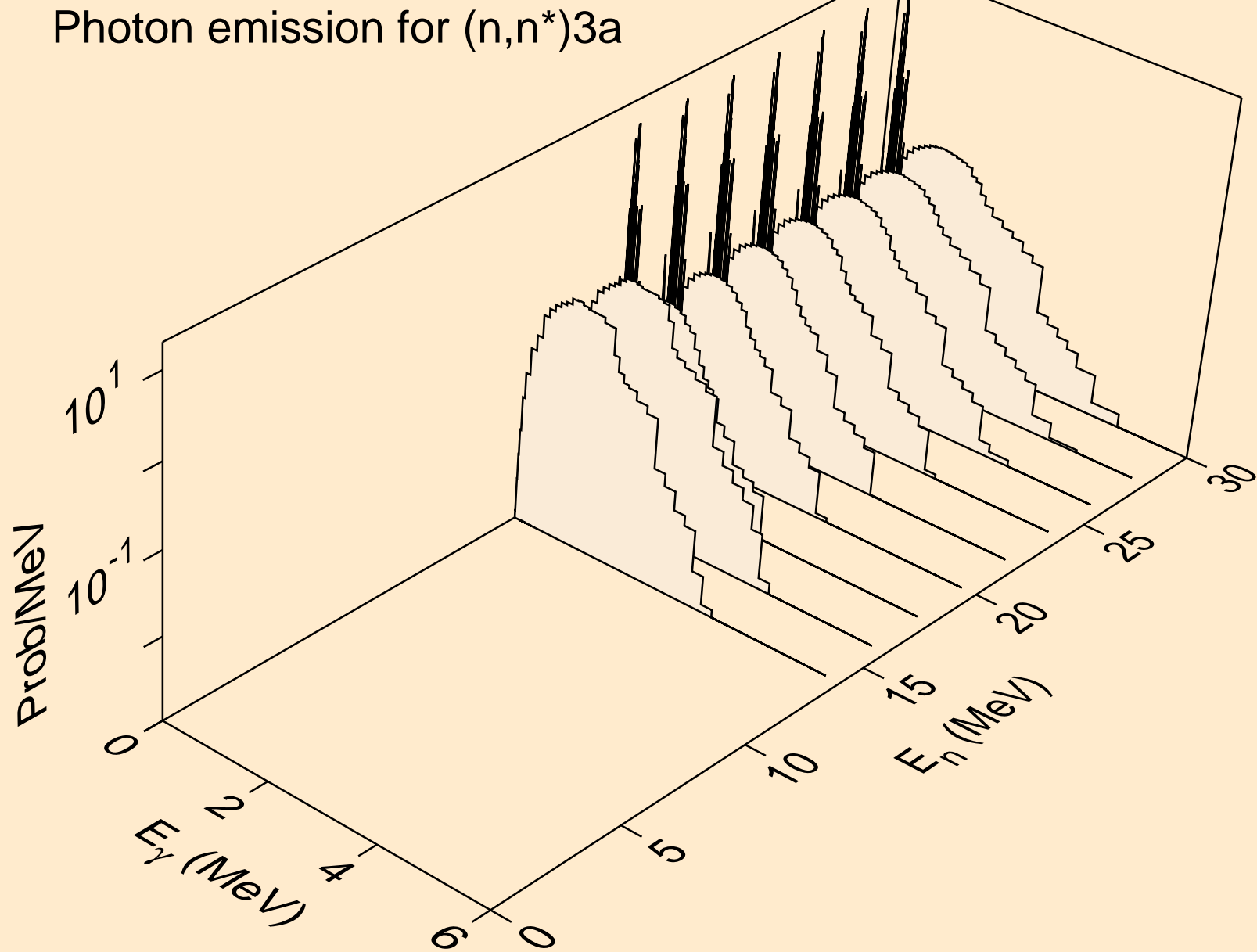
HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3n)



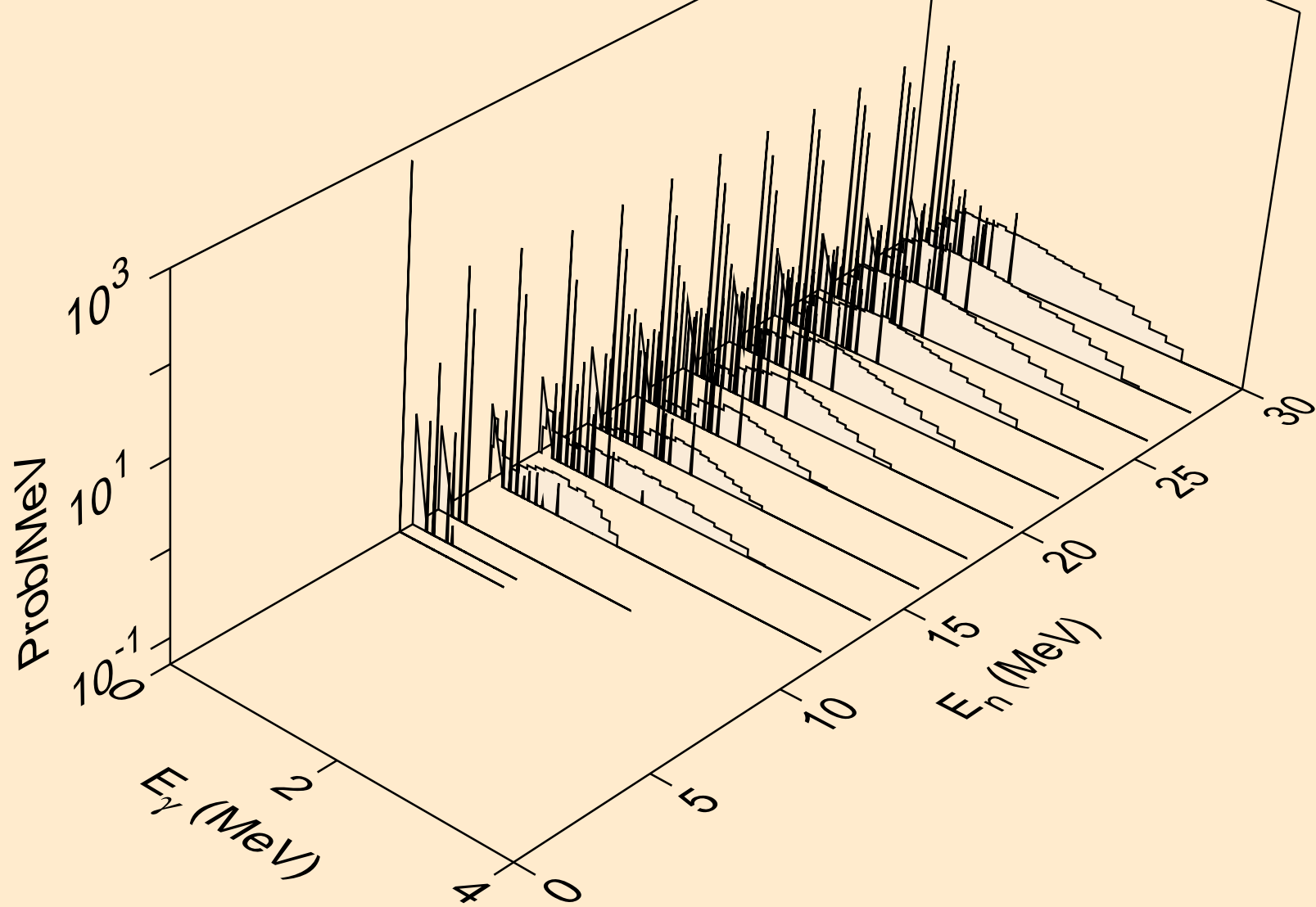
HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)a



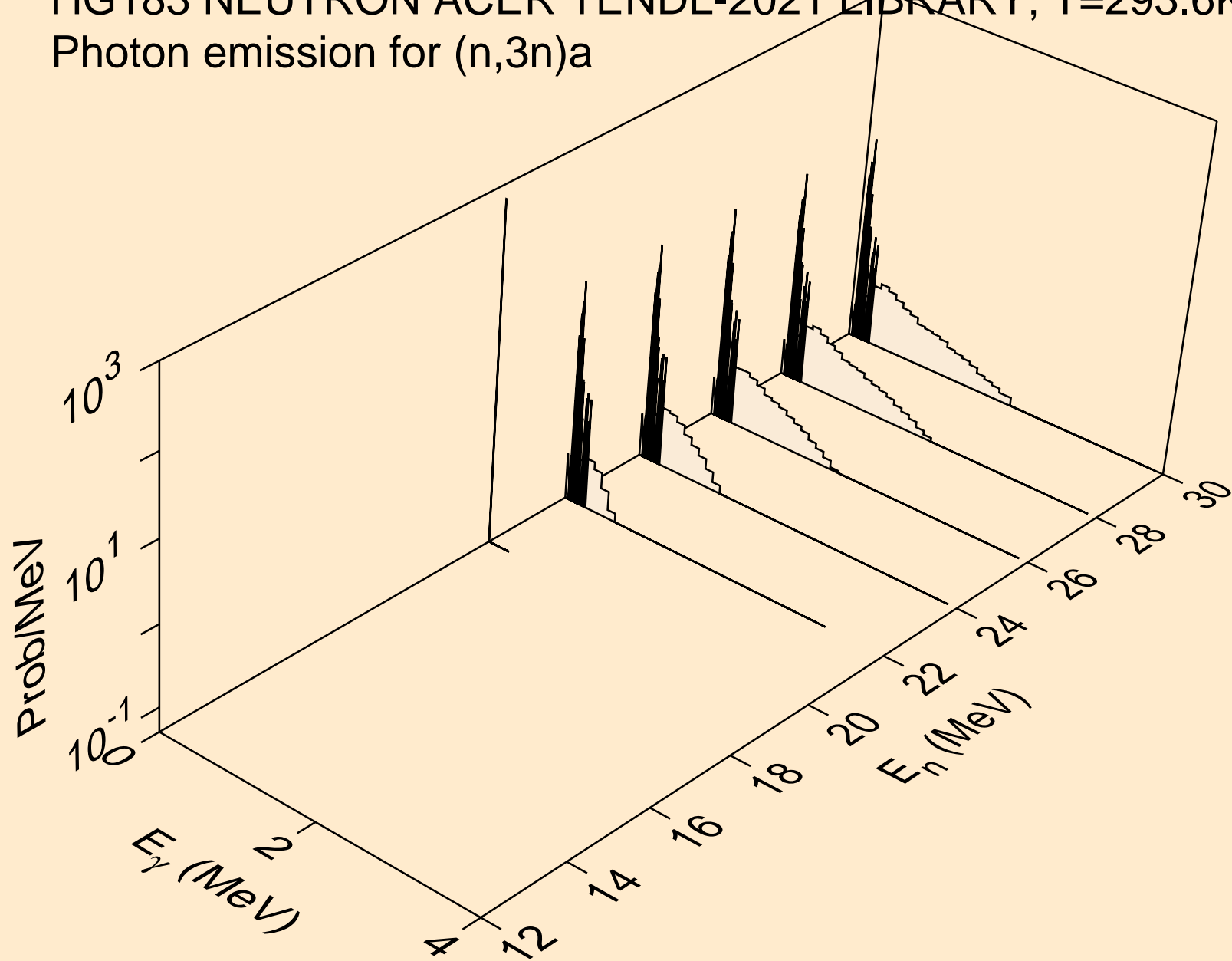
HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)3a



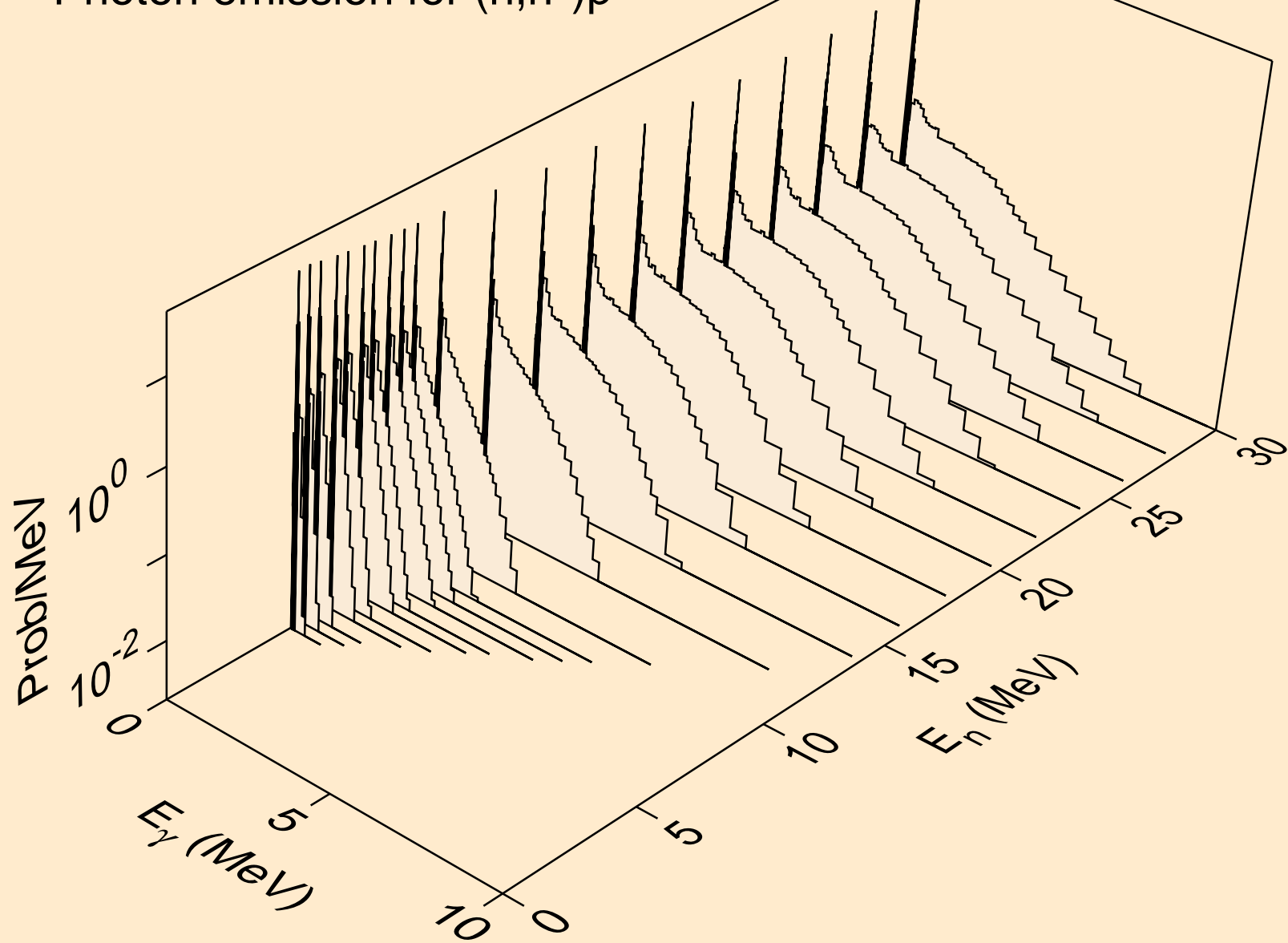
HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2n)a



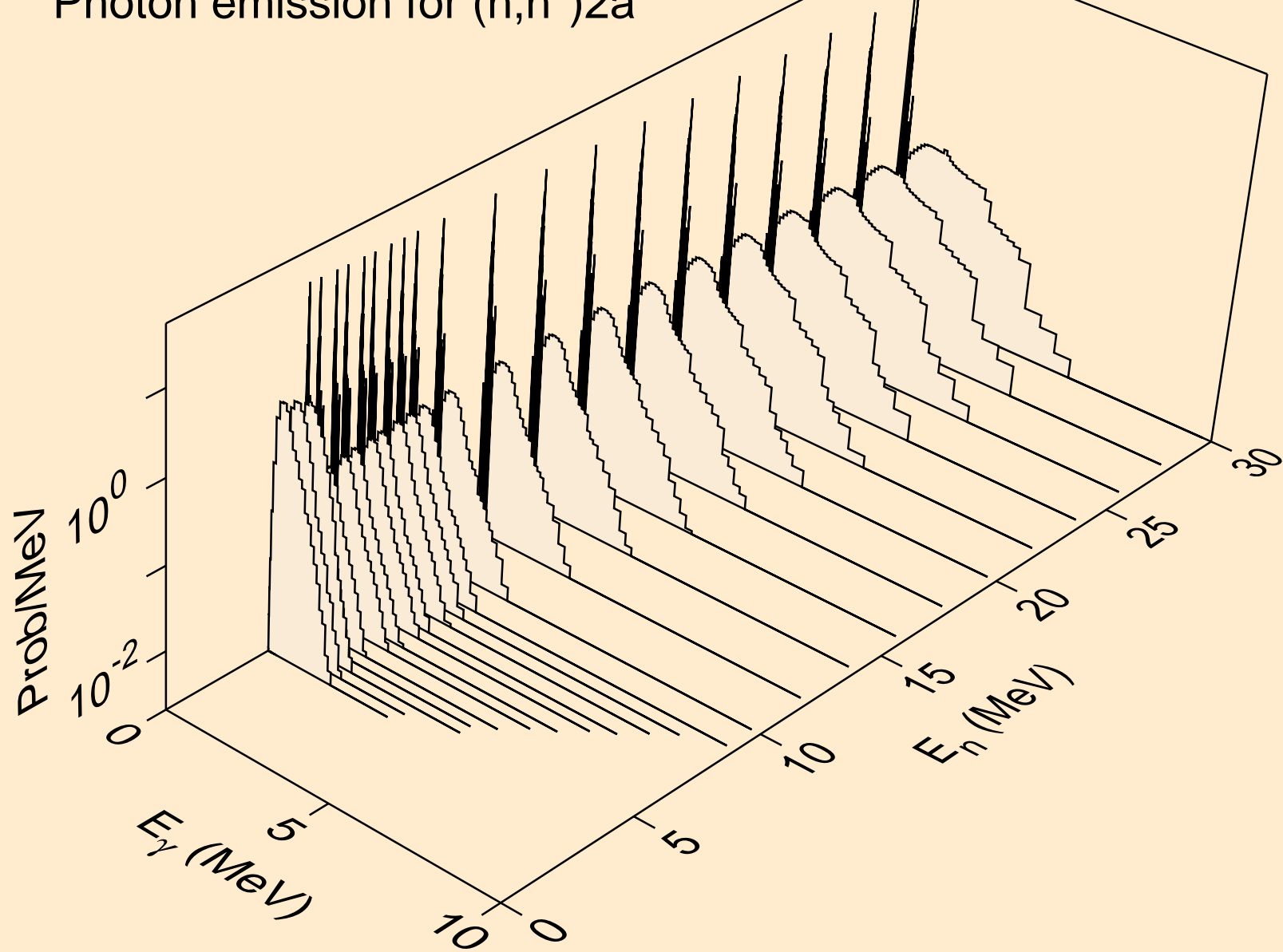
HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3n)a



HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)p

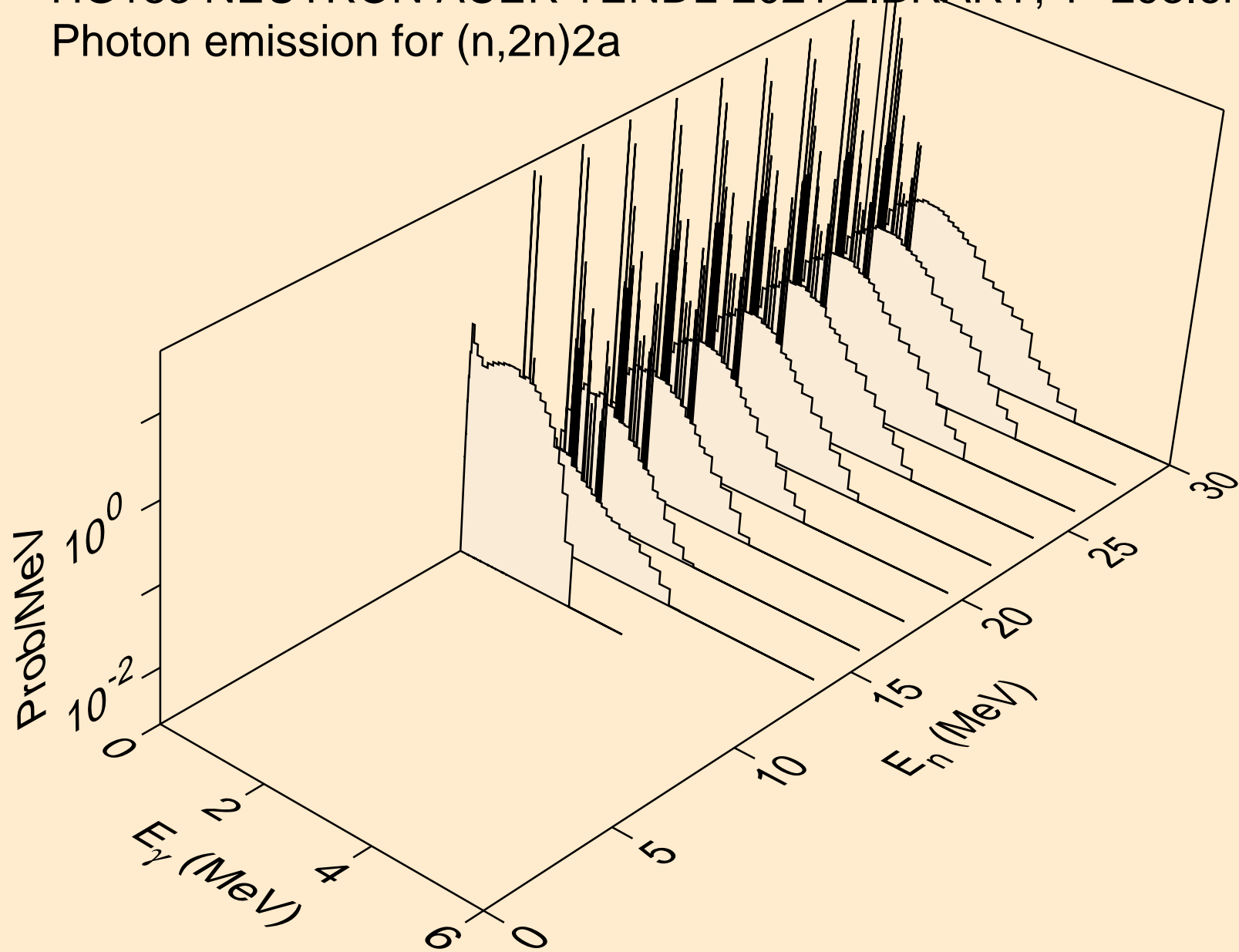


HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)2a

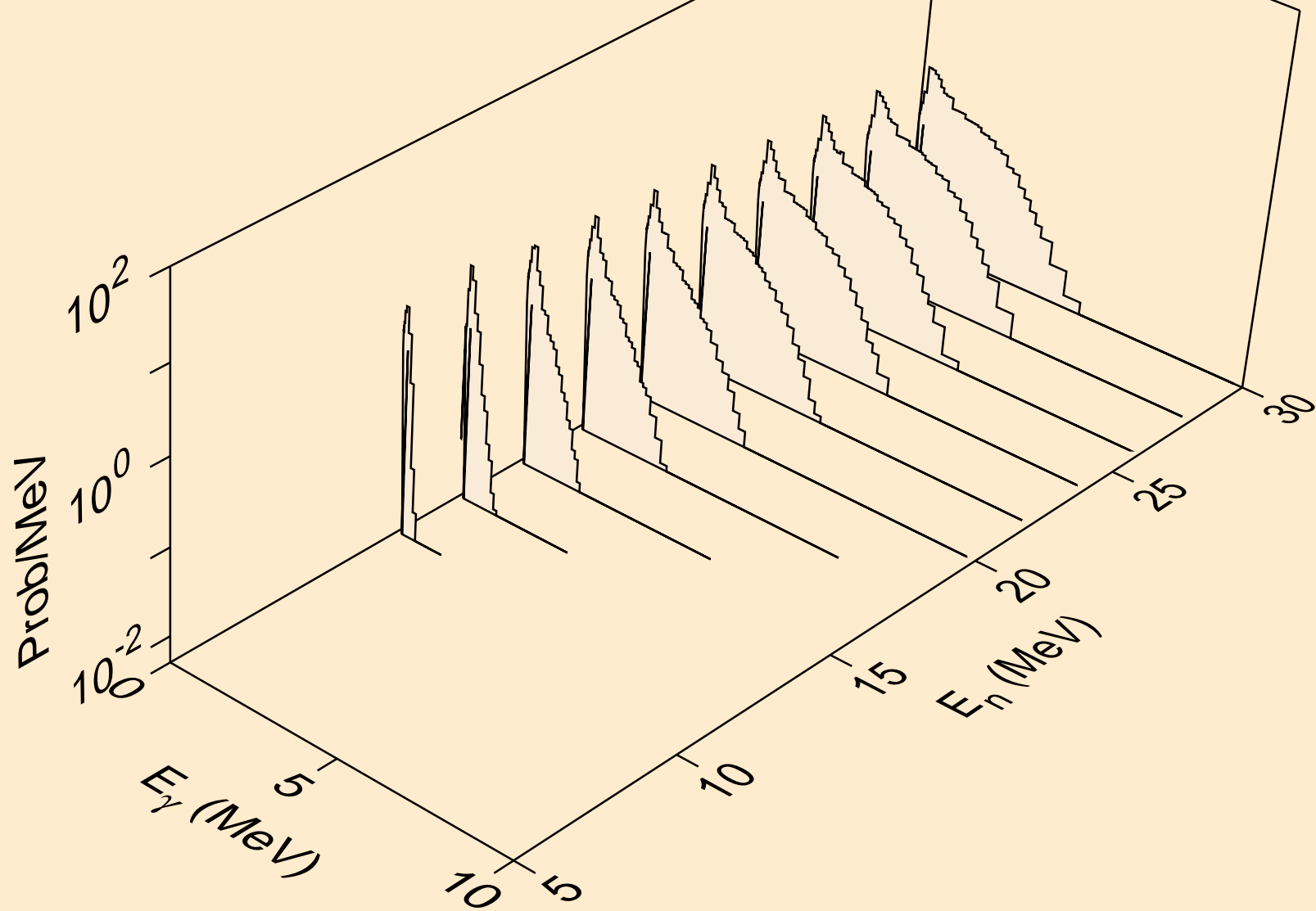




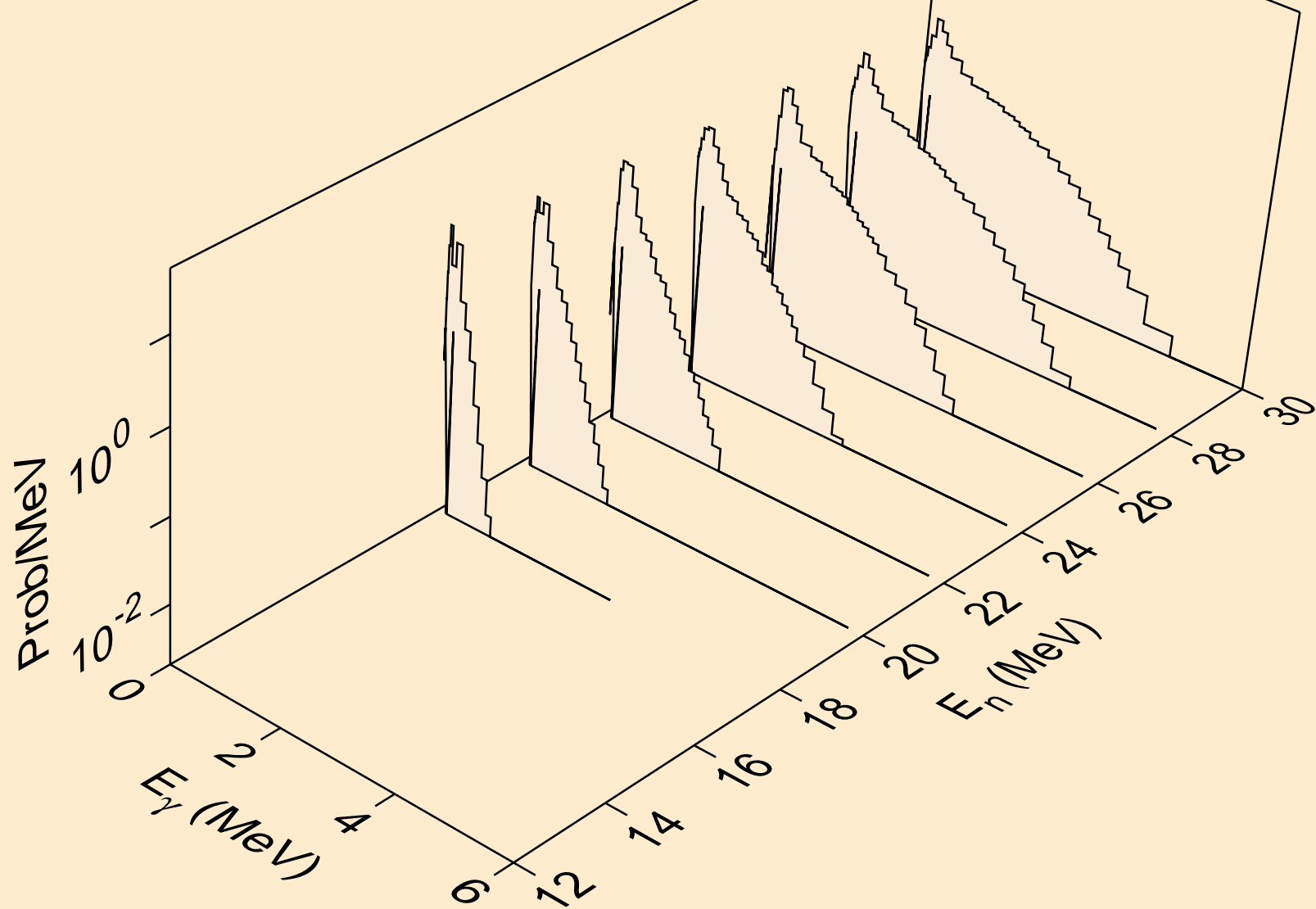
HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2n)2a



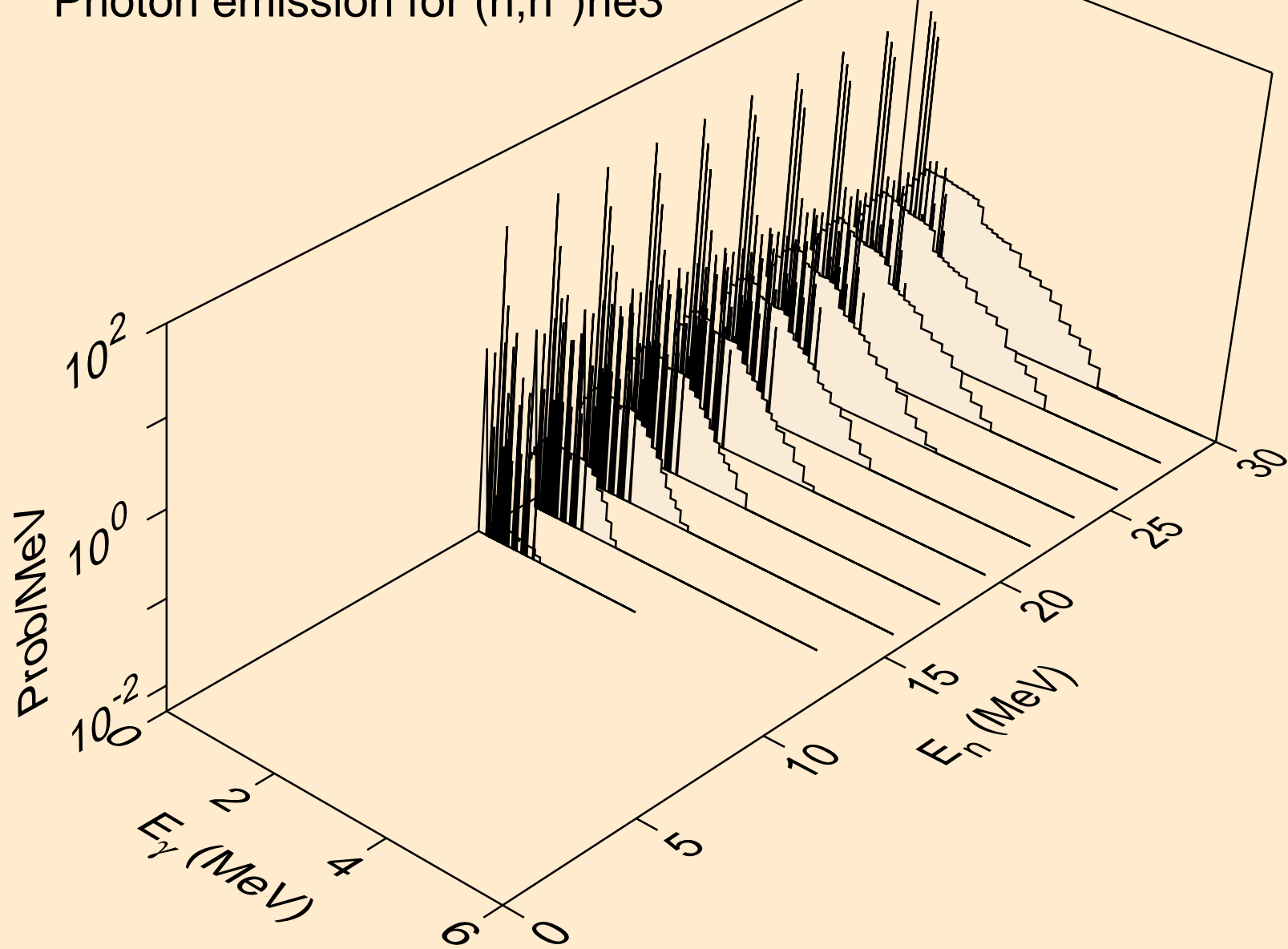
HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)d



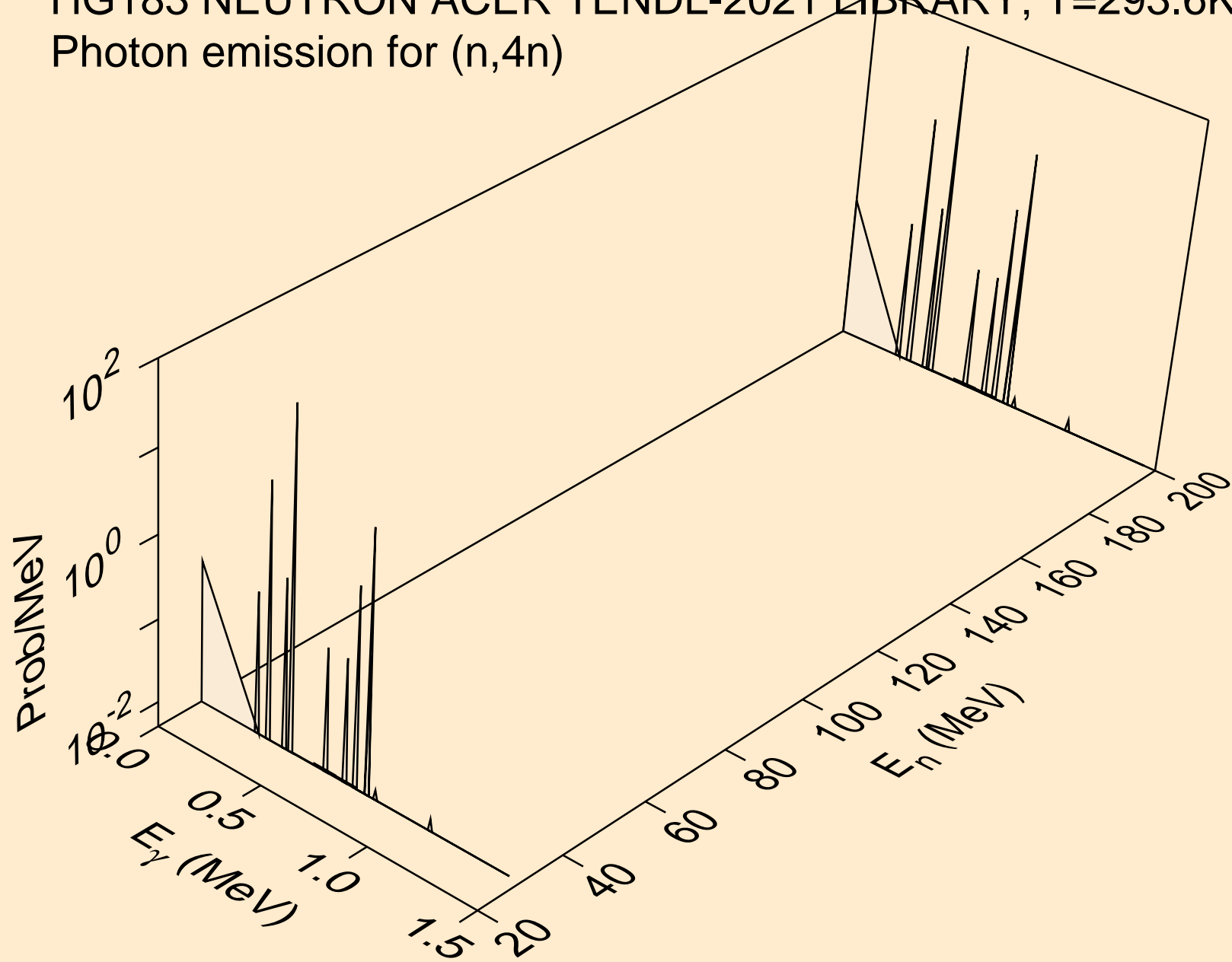
HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)t



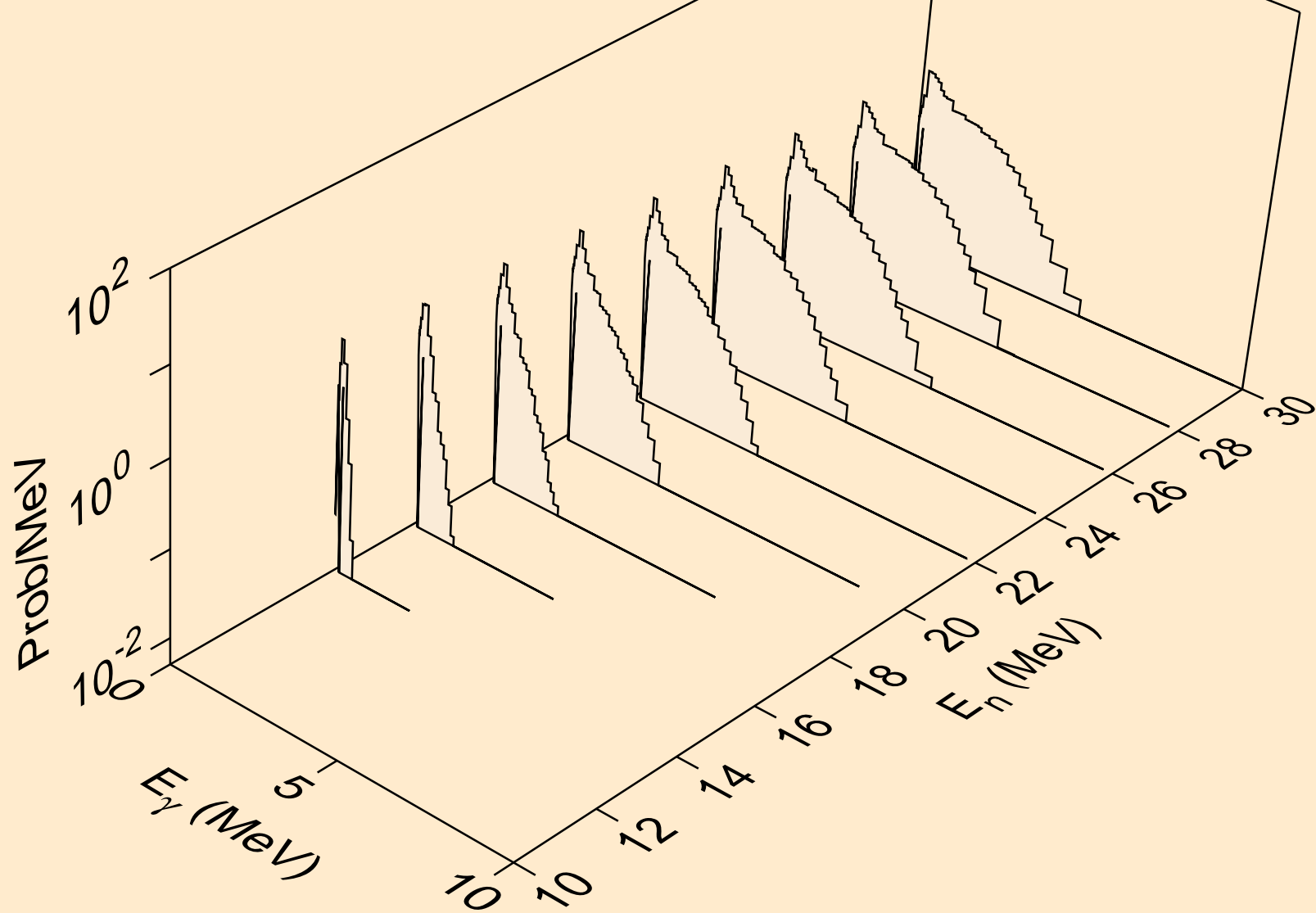
HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)he3



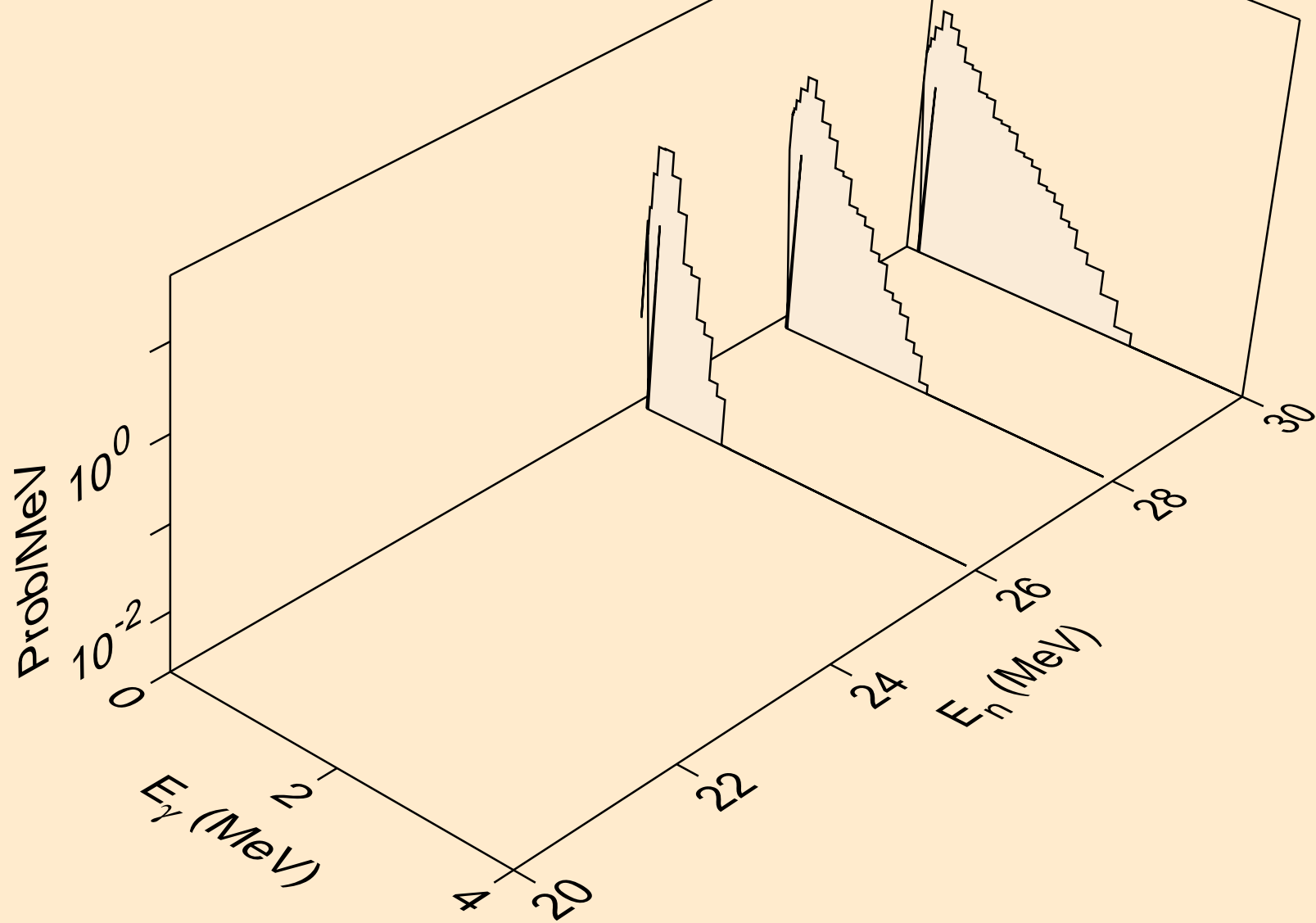
HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,4n)



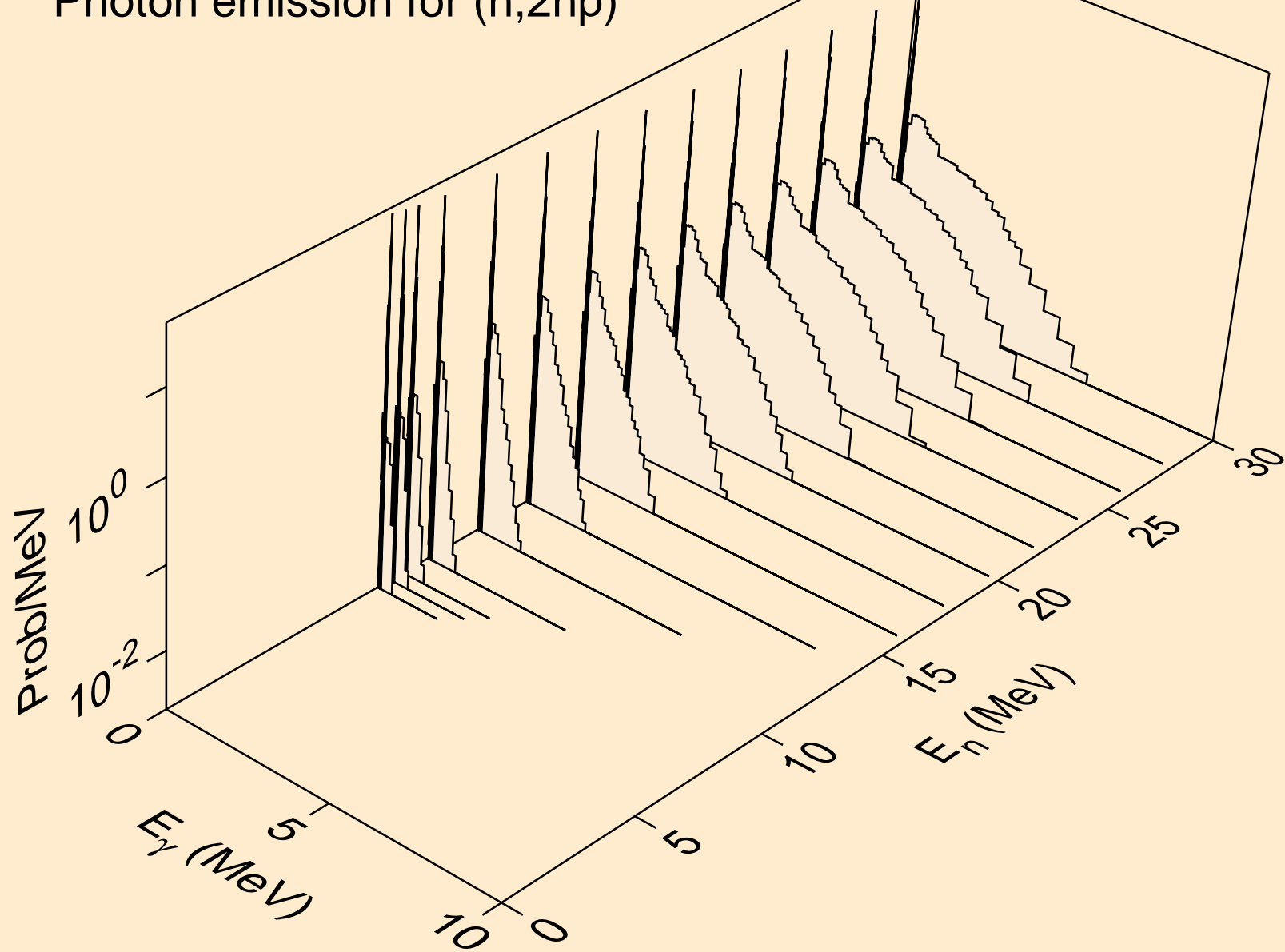
HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2np)



HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3np)

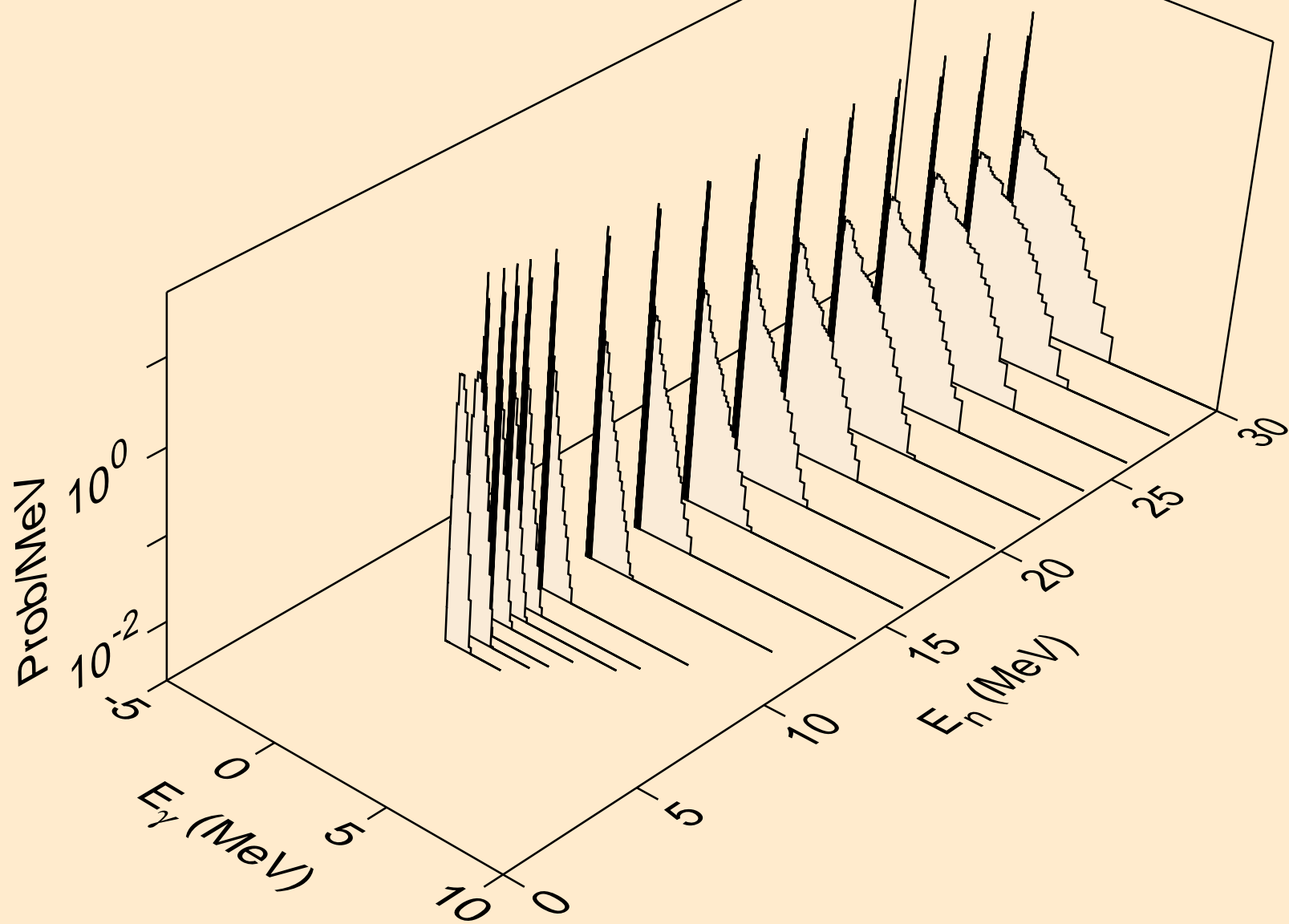


HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2np)

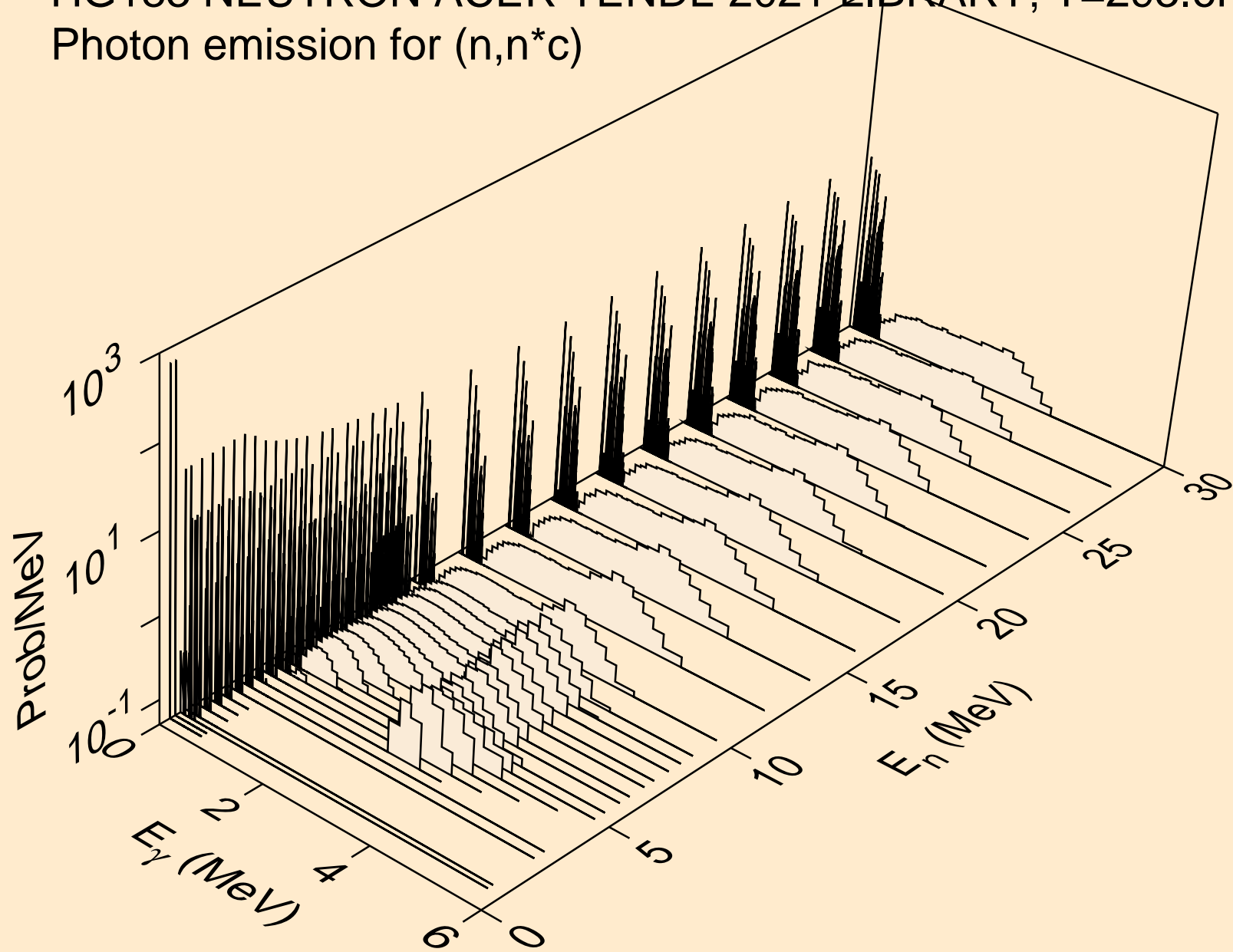




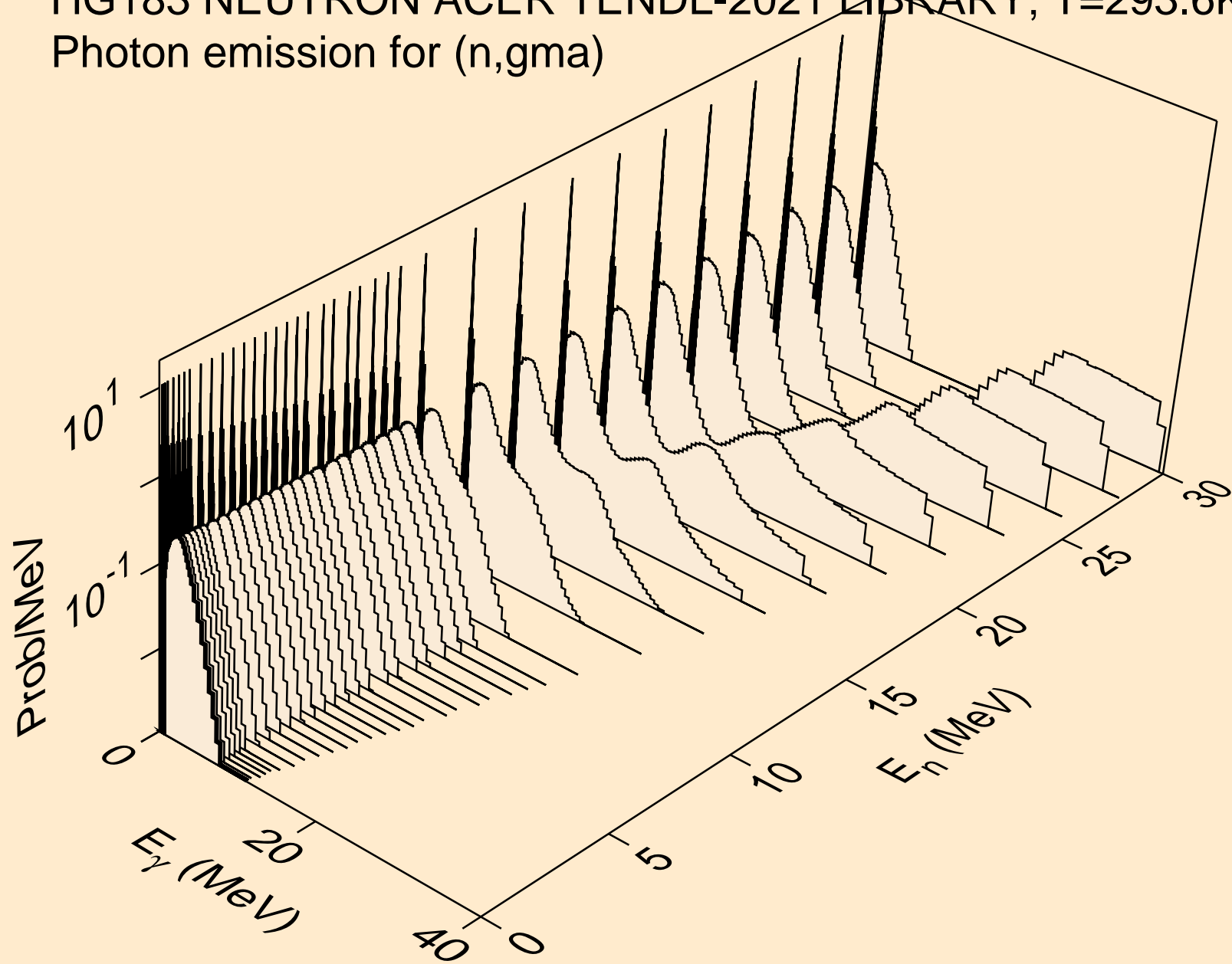
HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,npa)



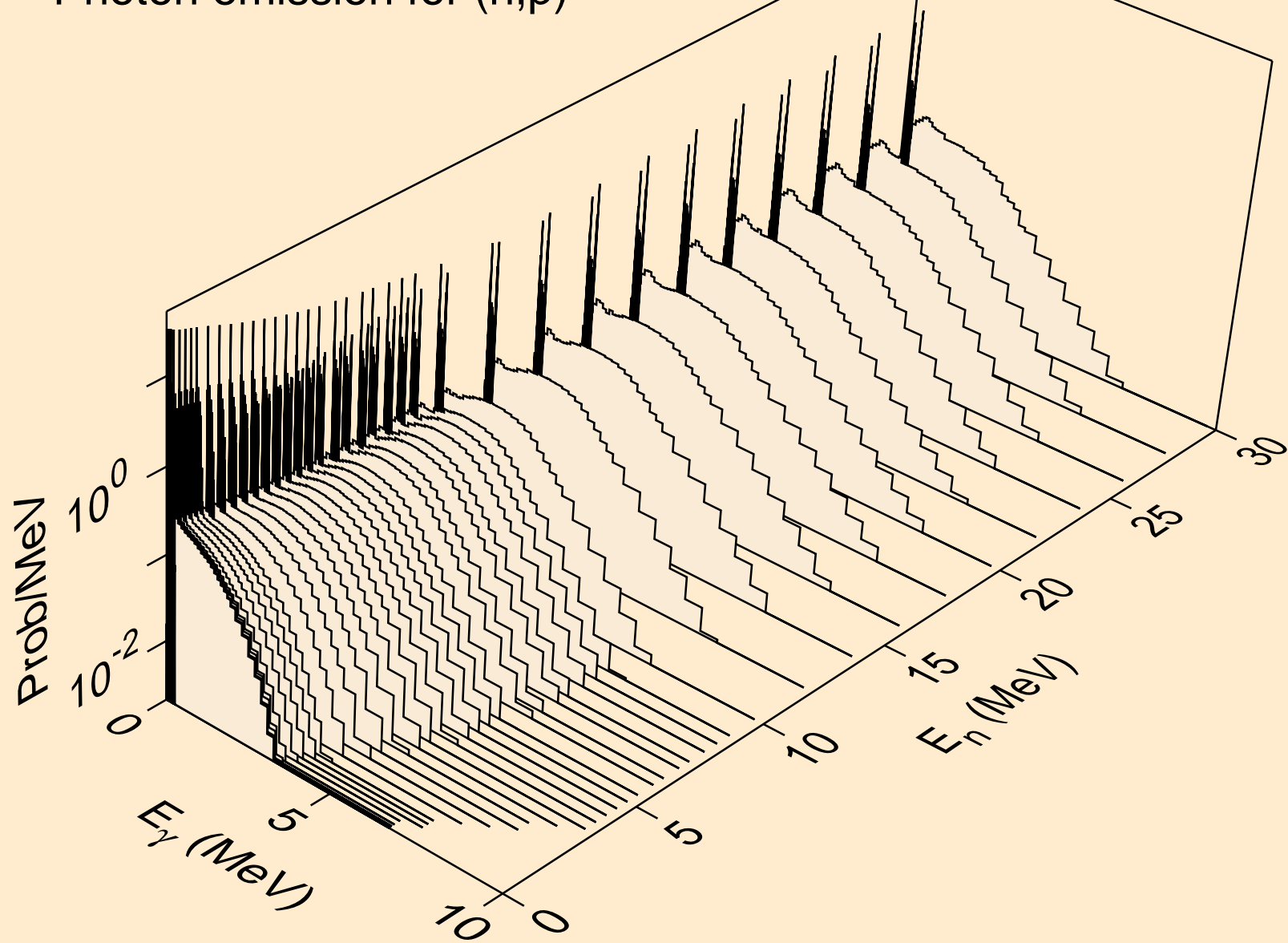
HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*c)



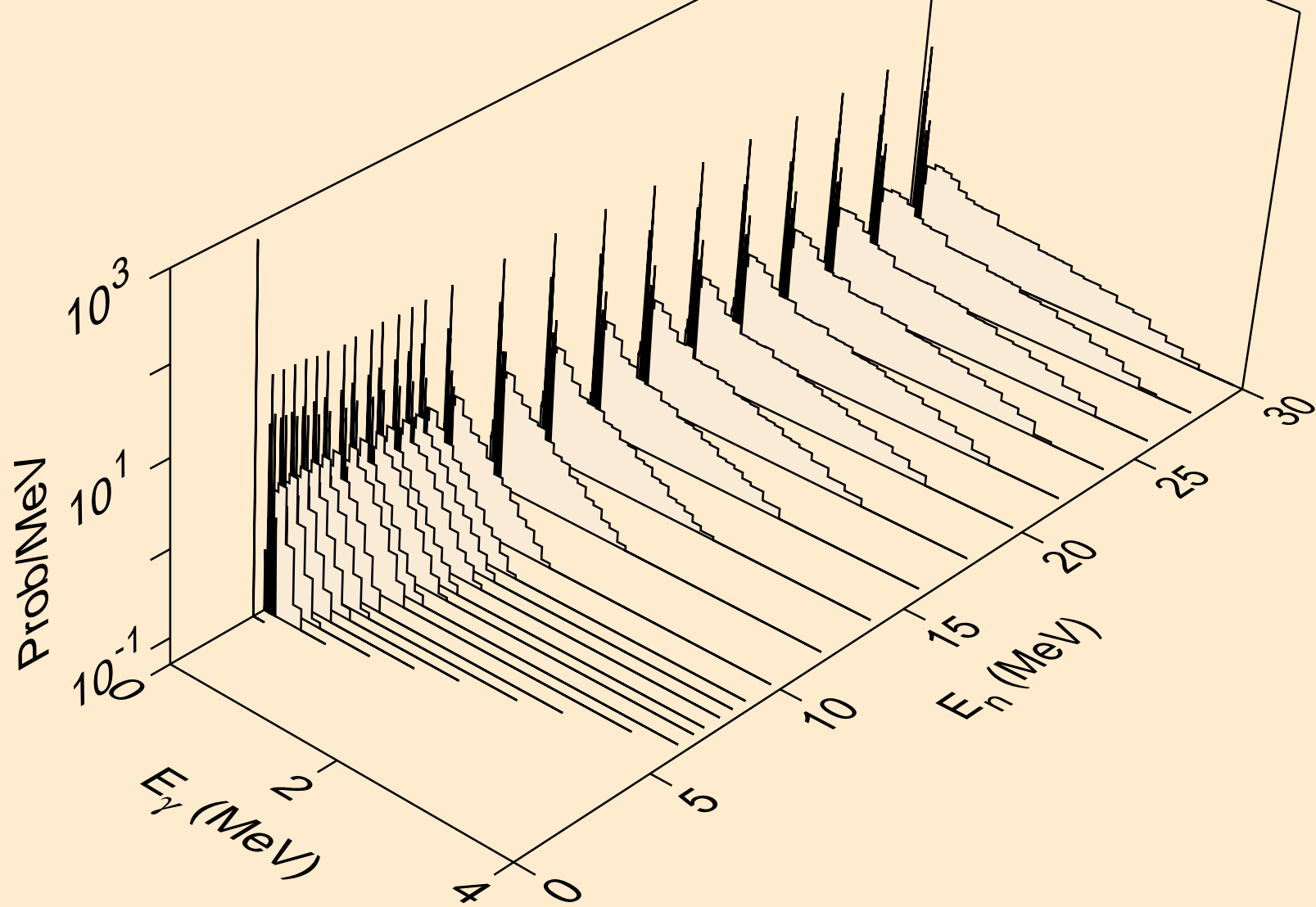
HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,gma)



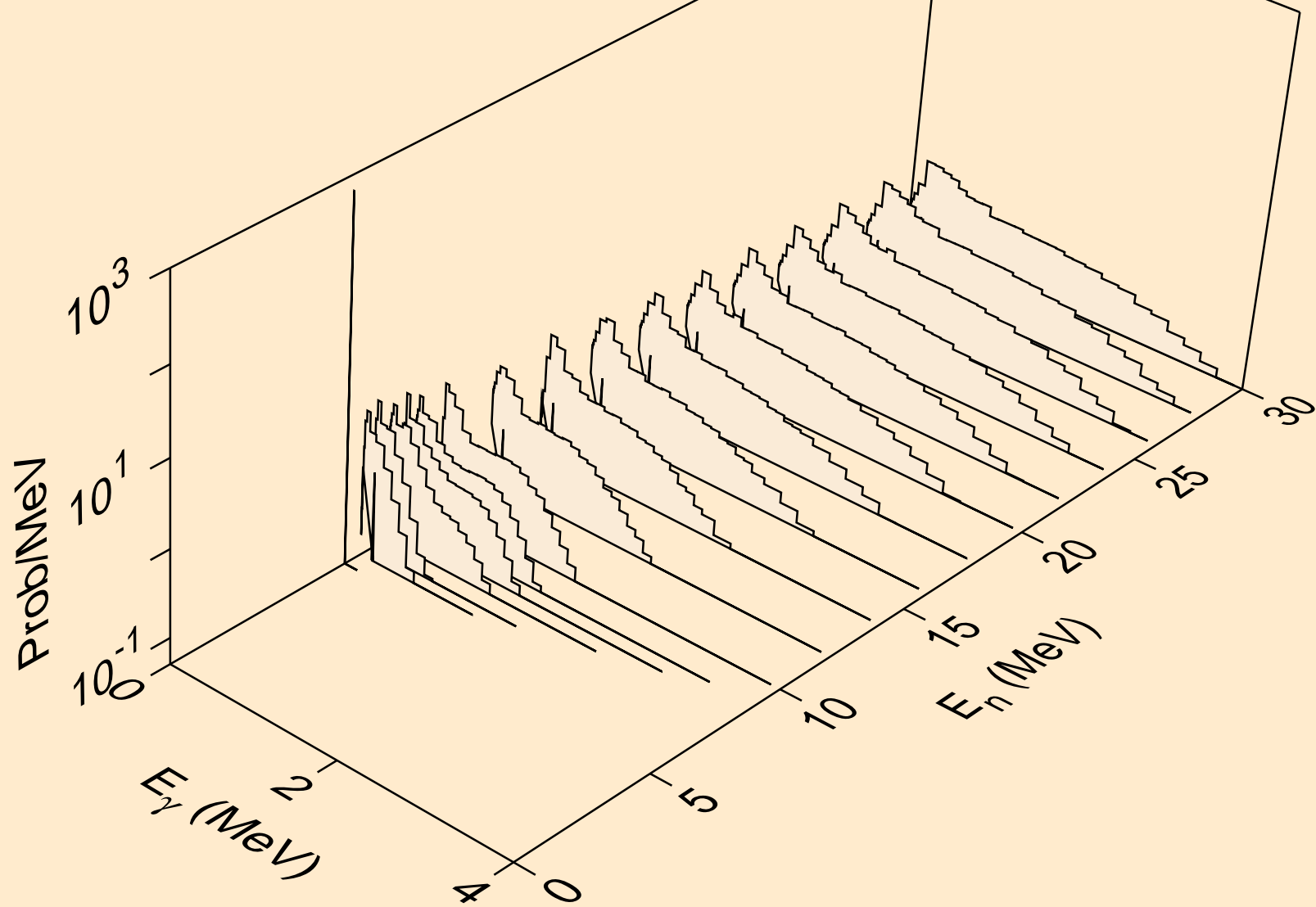
HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,p)



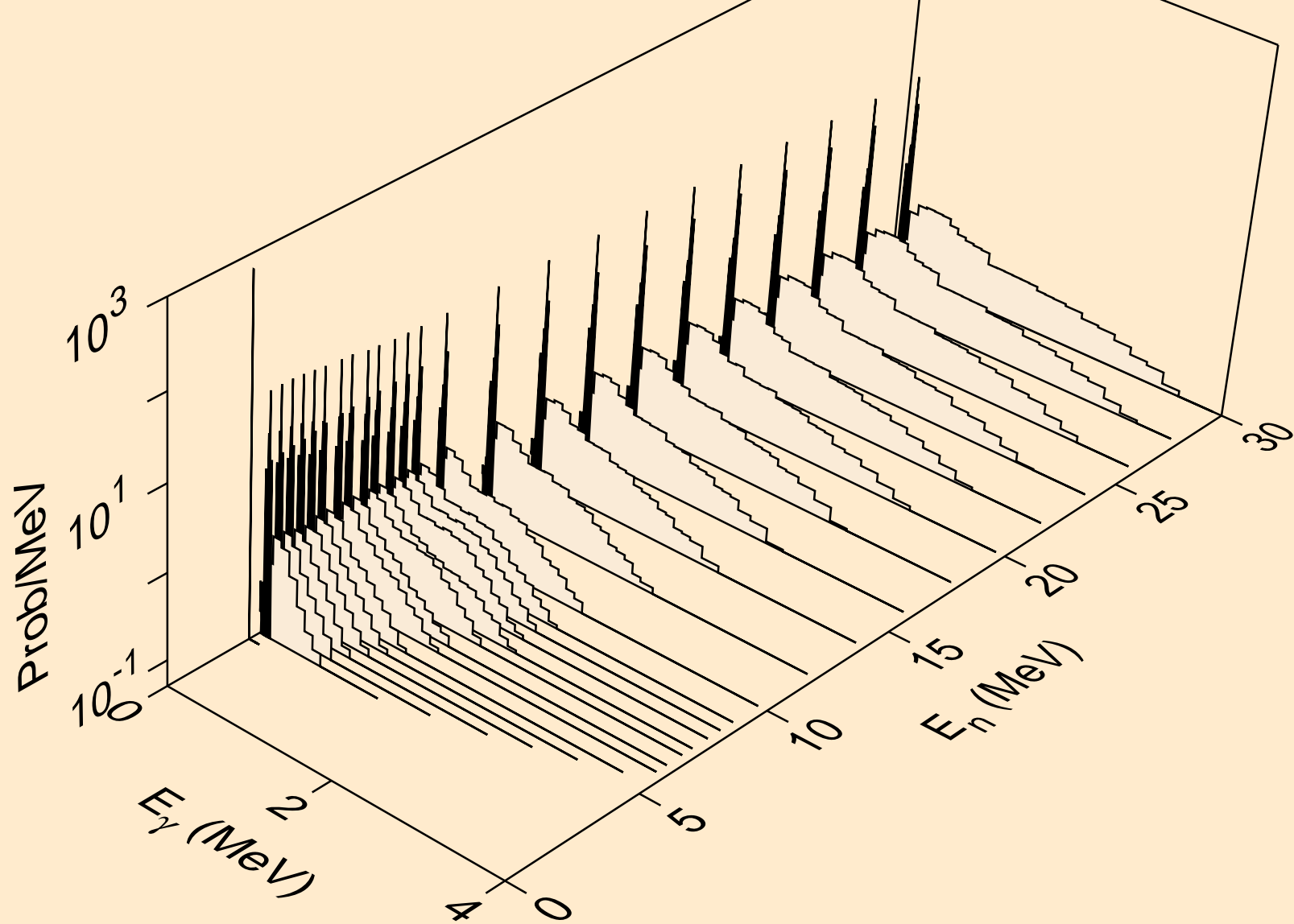
HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,d)



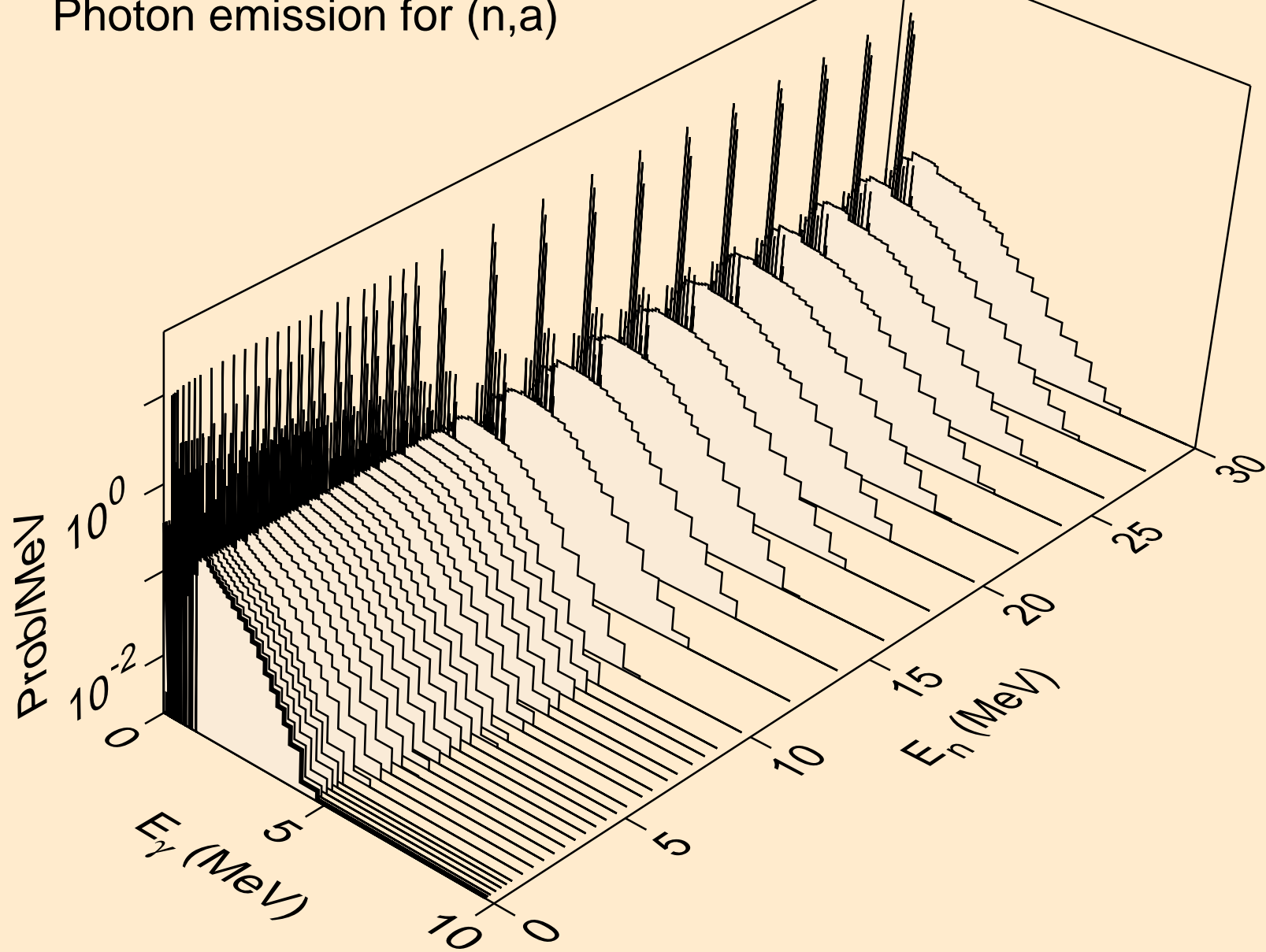
HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,t)



HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,he3)

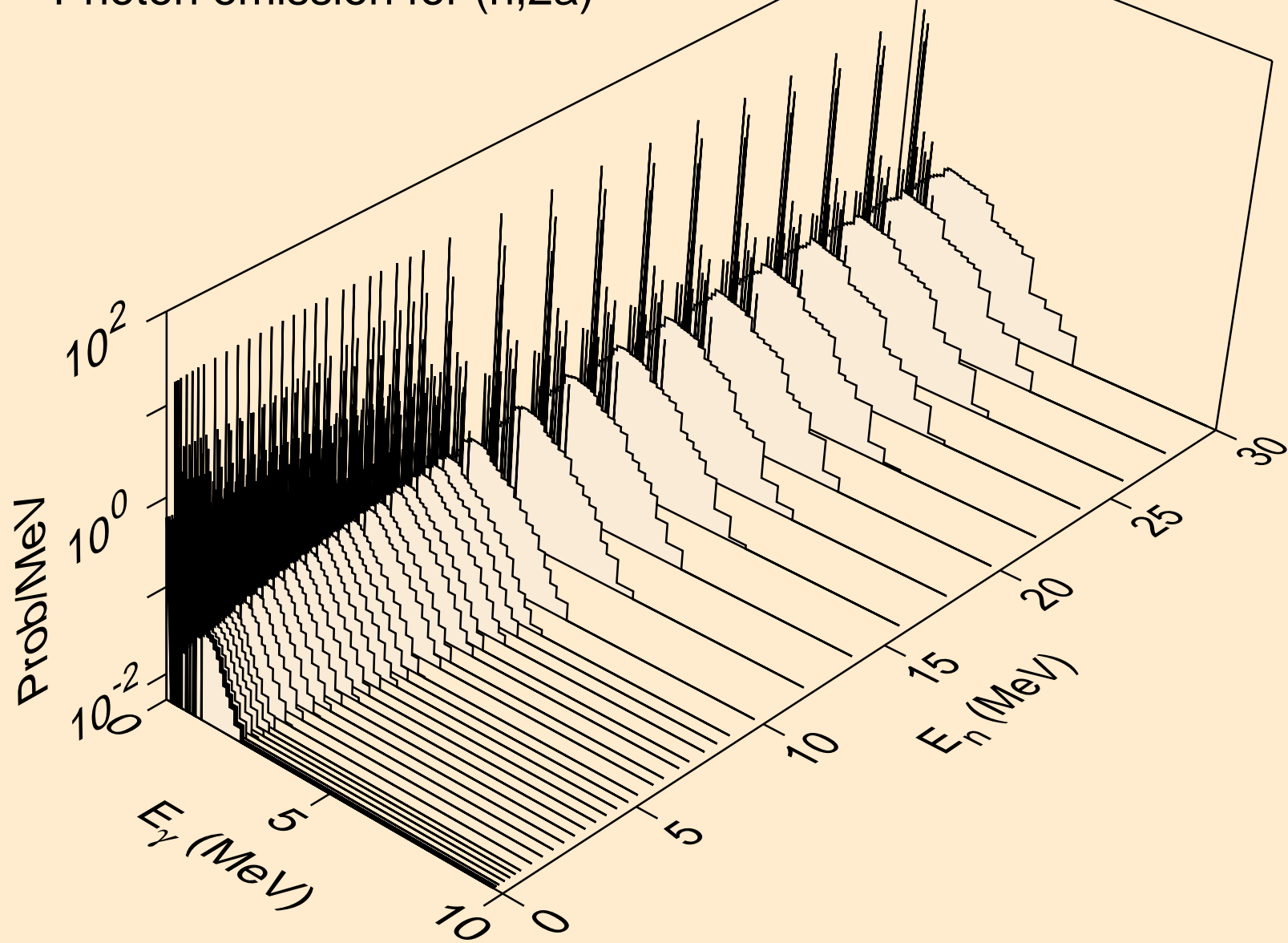


HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,a)

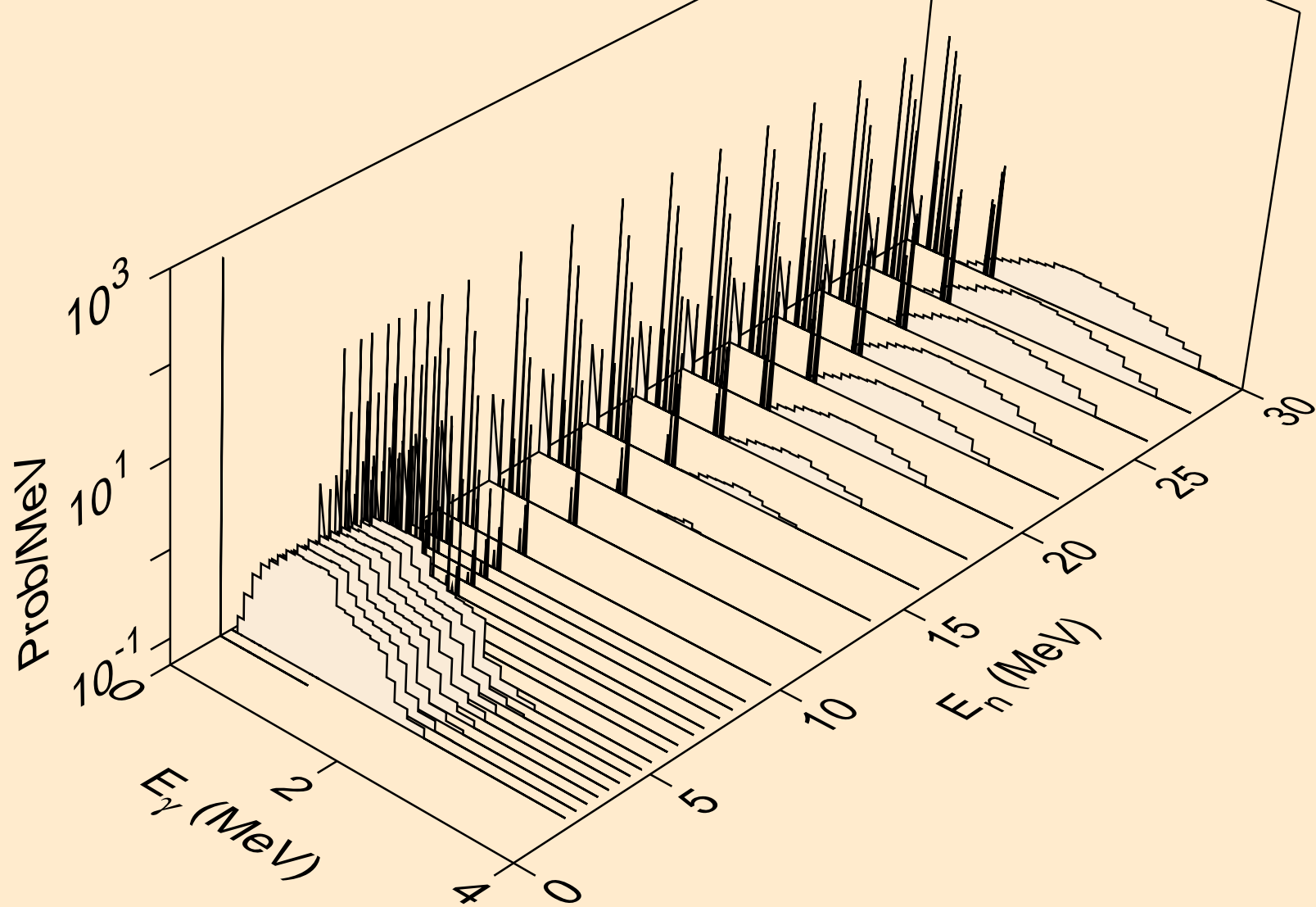




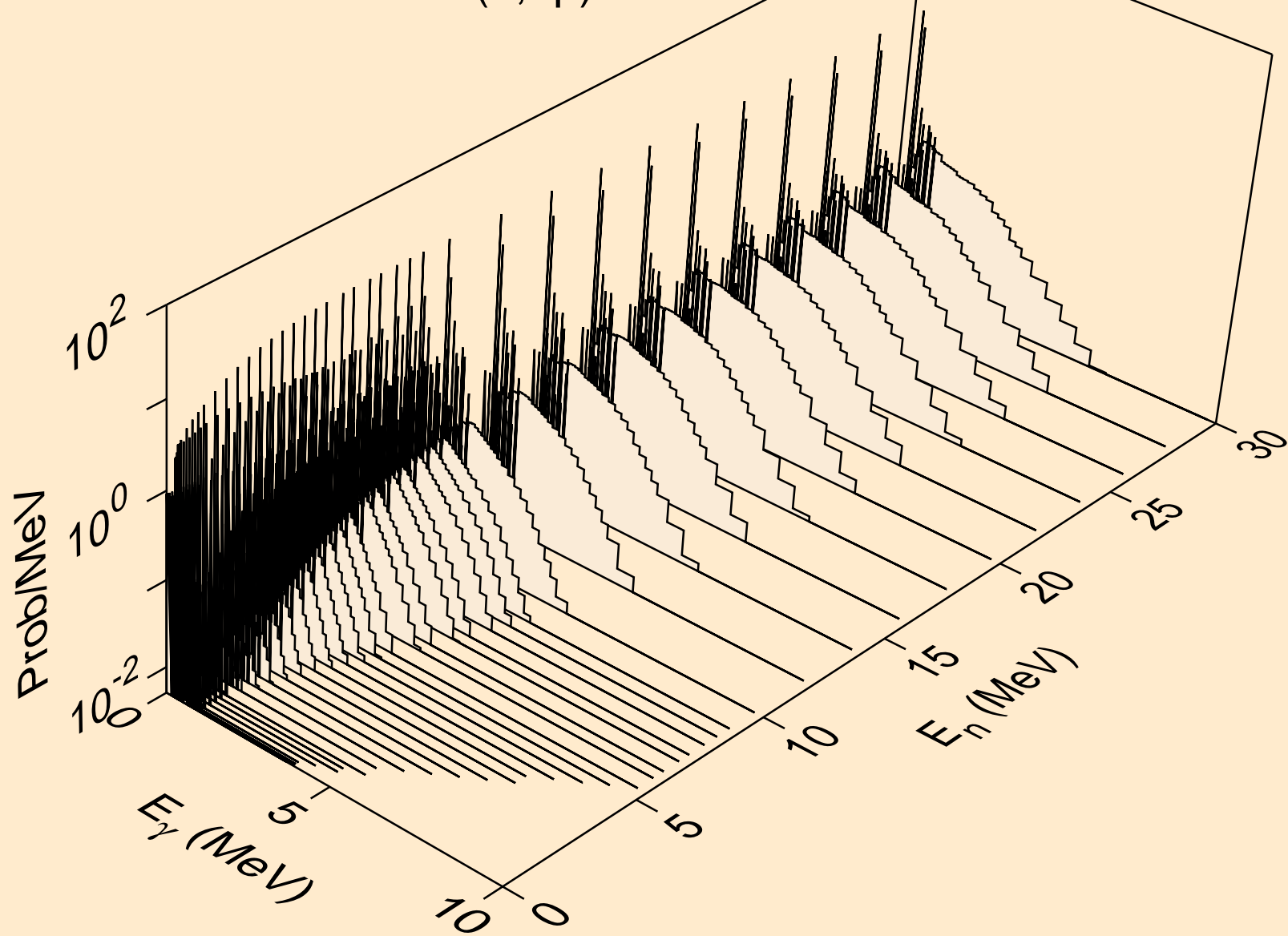
HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2a)



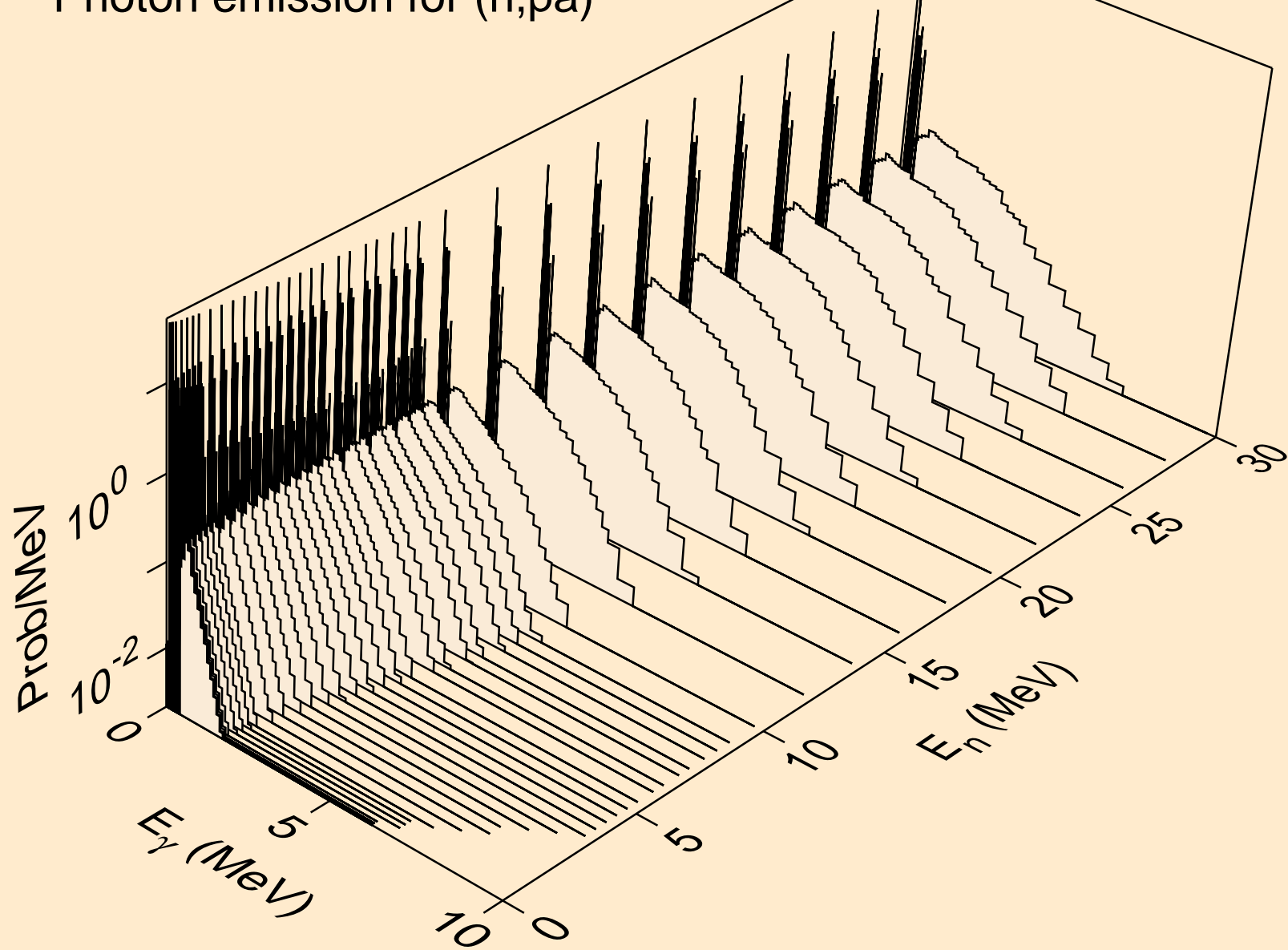
HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3a)



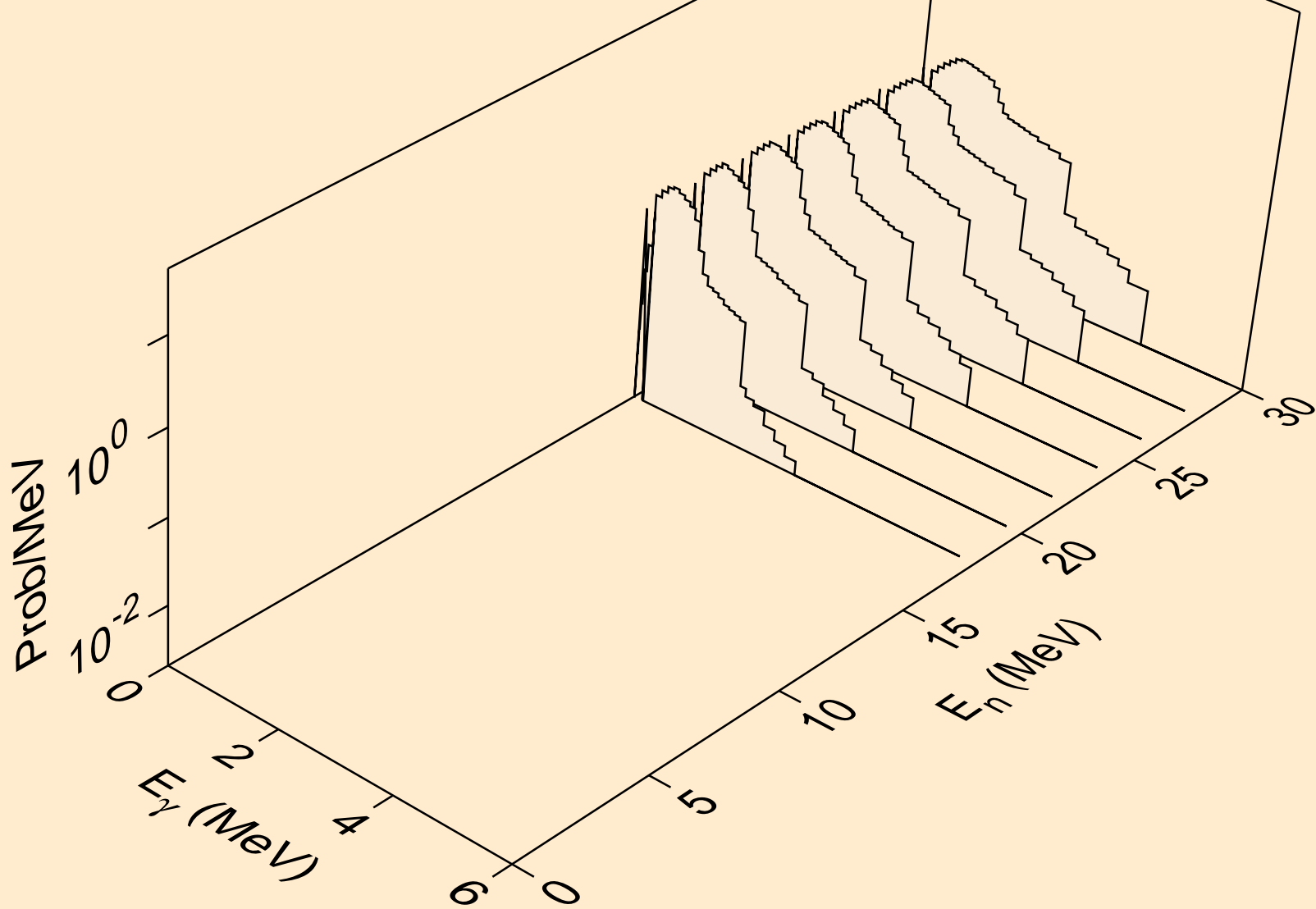
HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2p)



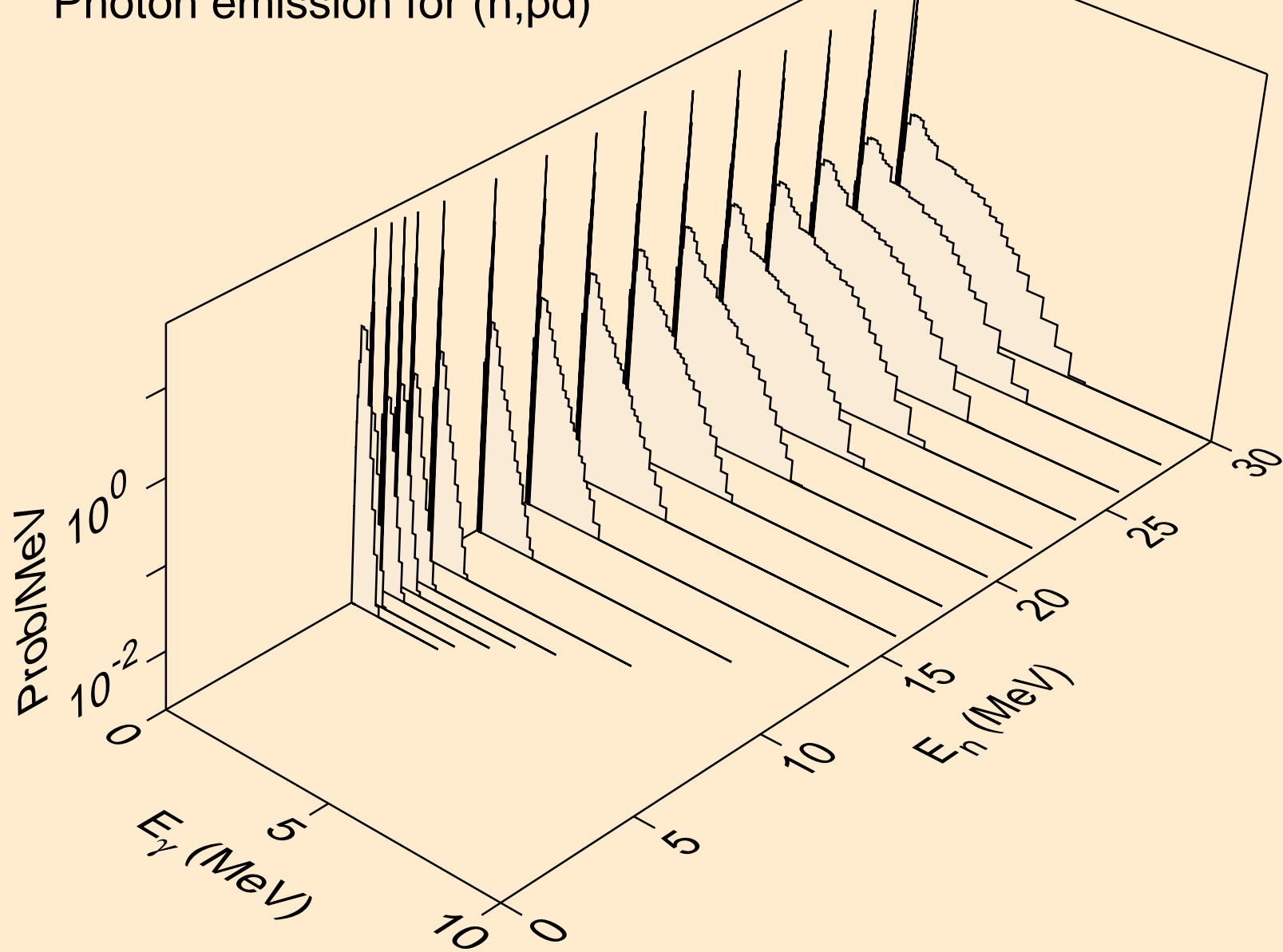
HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,p)



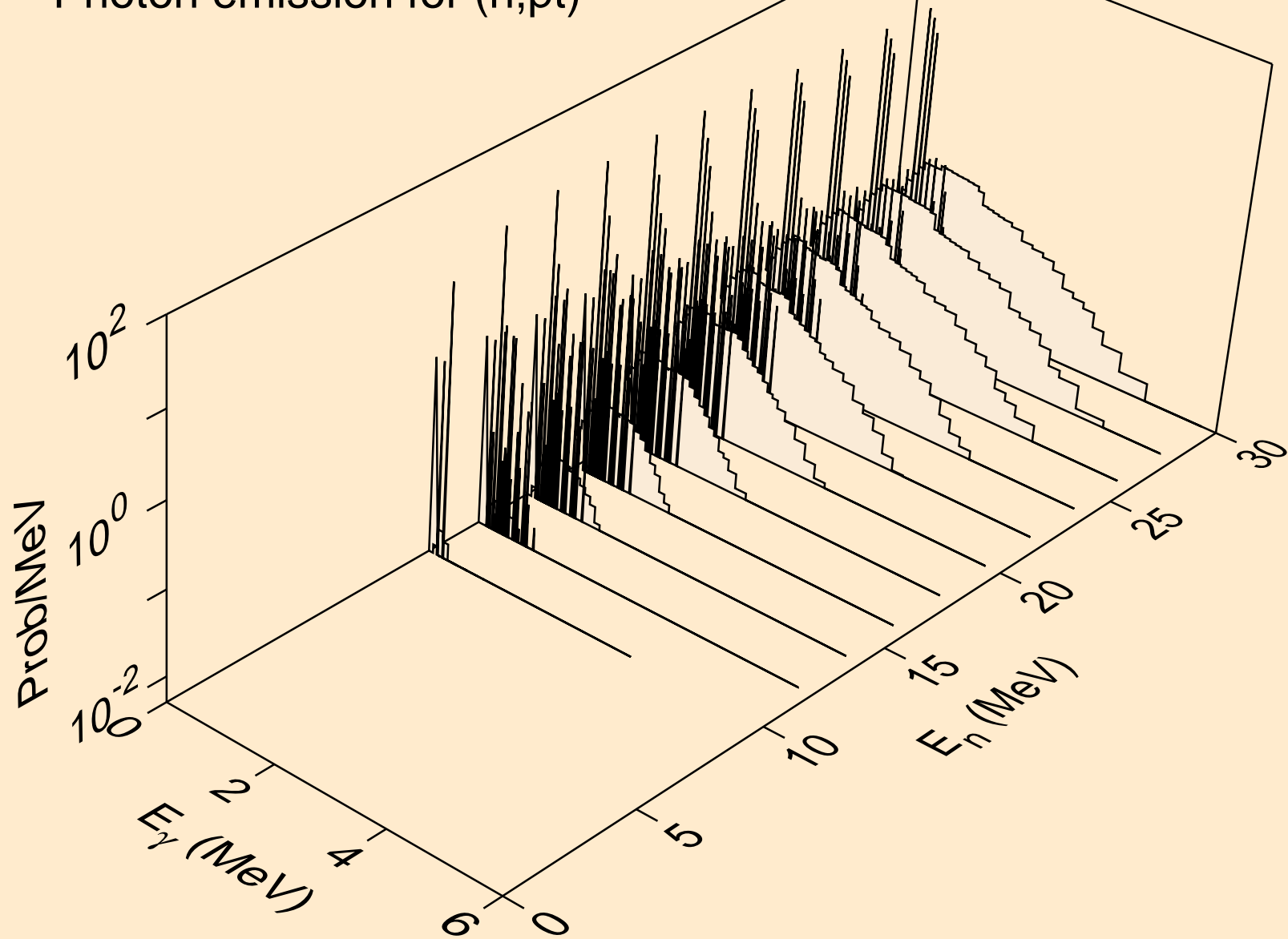
HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,d2a)



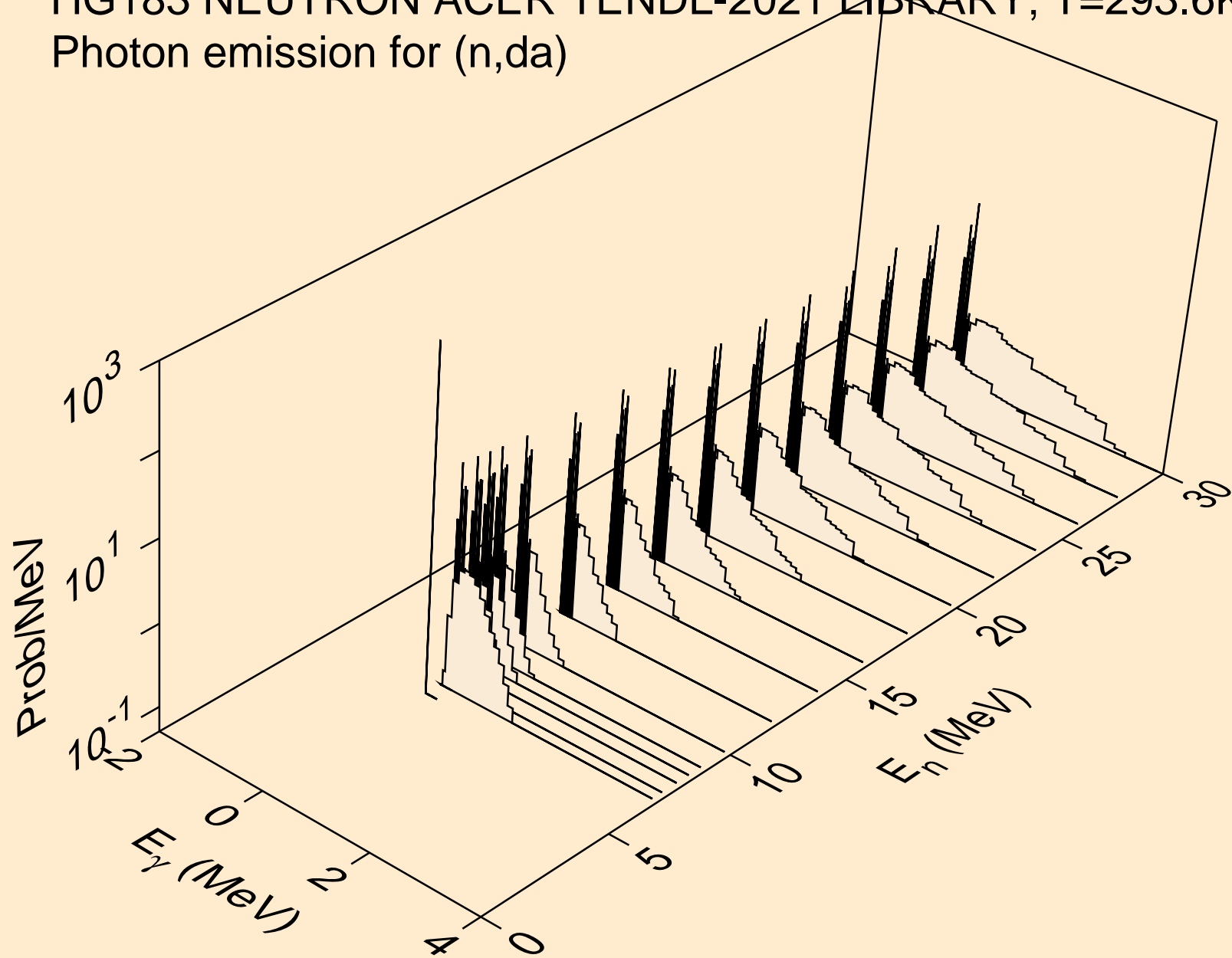
HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,pd)



HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,pt)

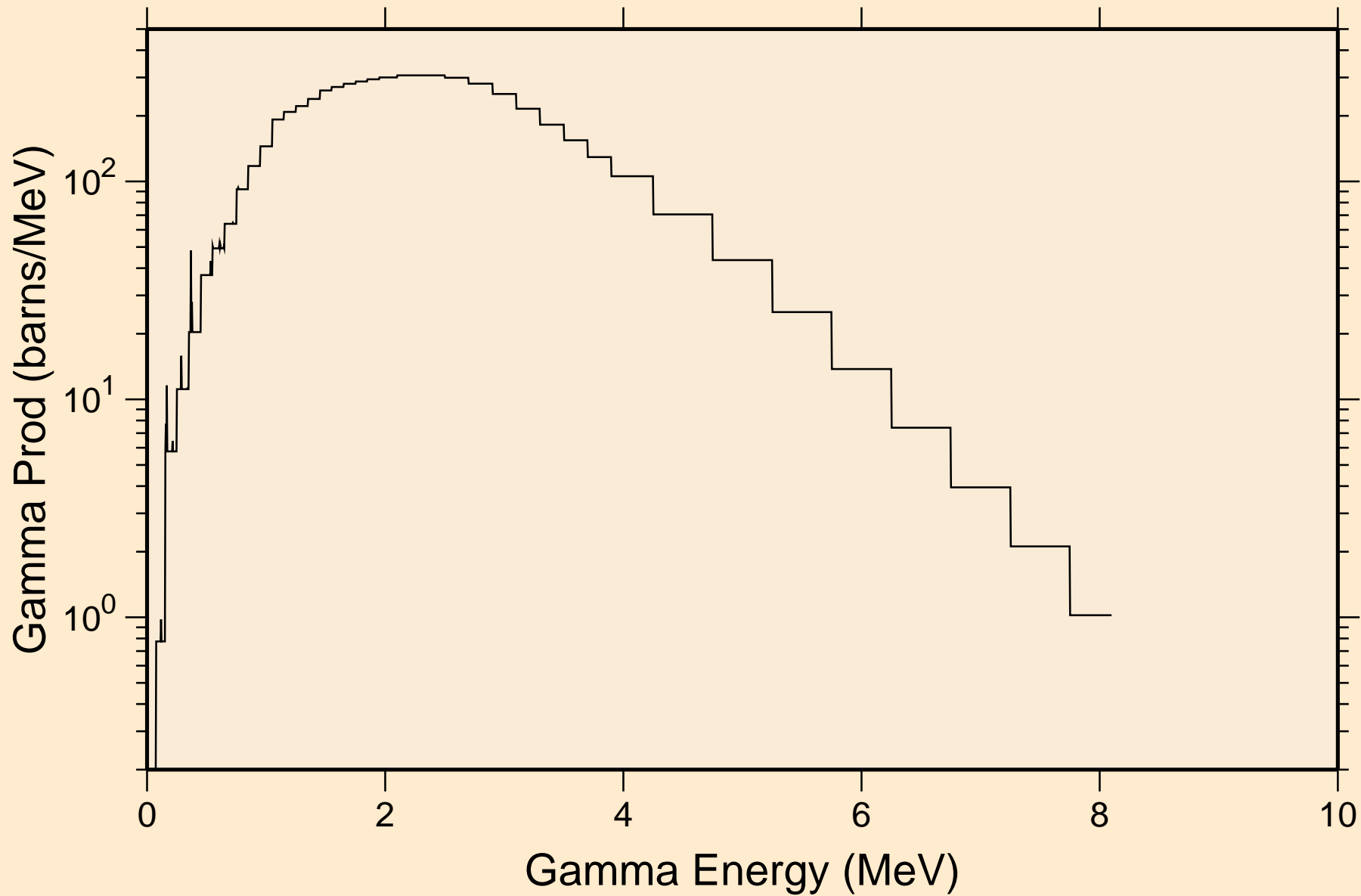


HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,da)

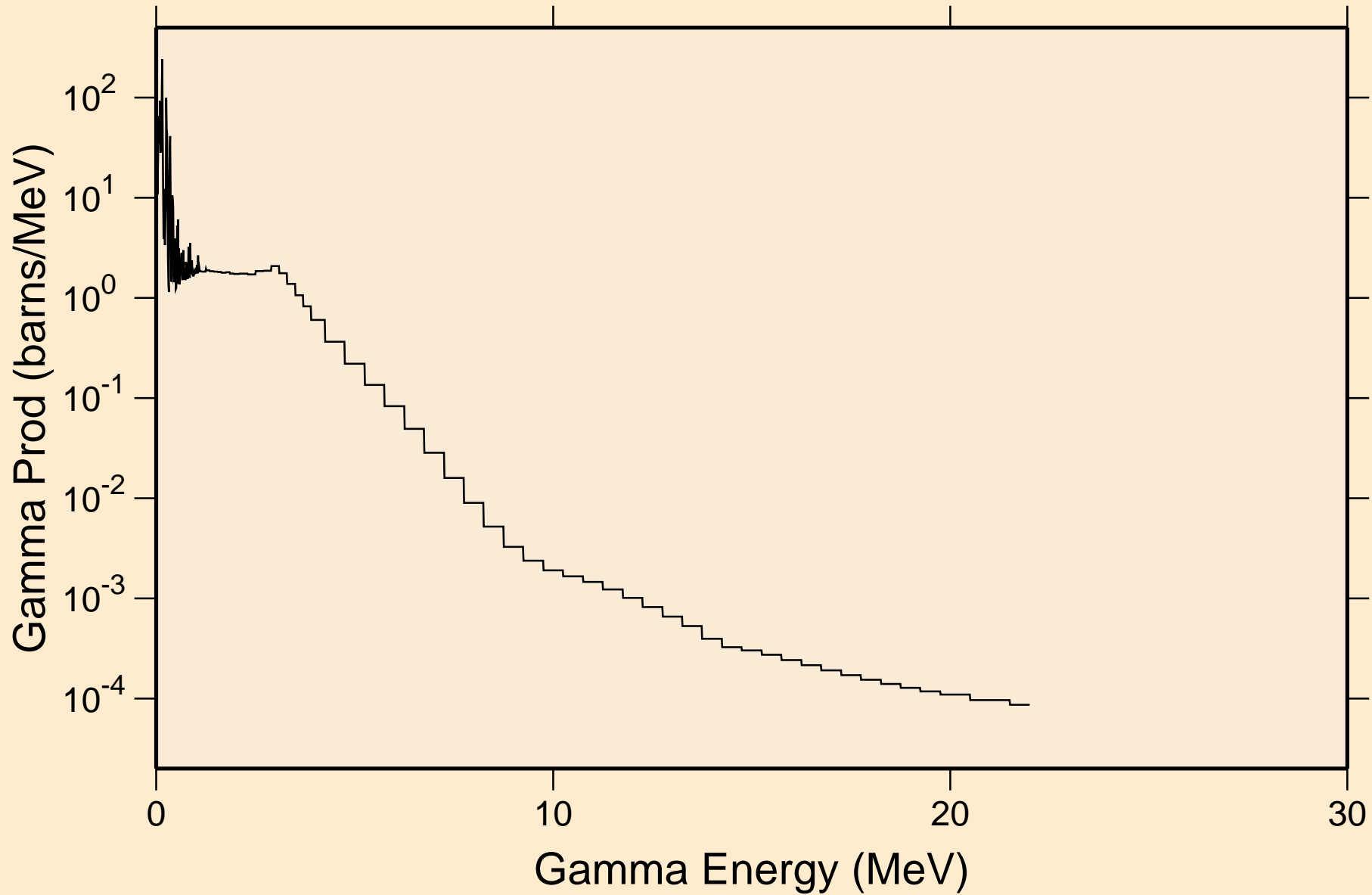




HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
thermal capture photon spectrum

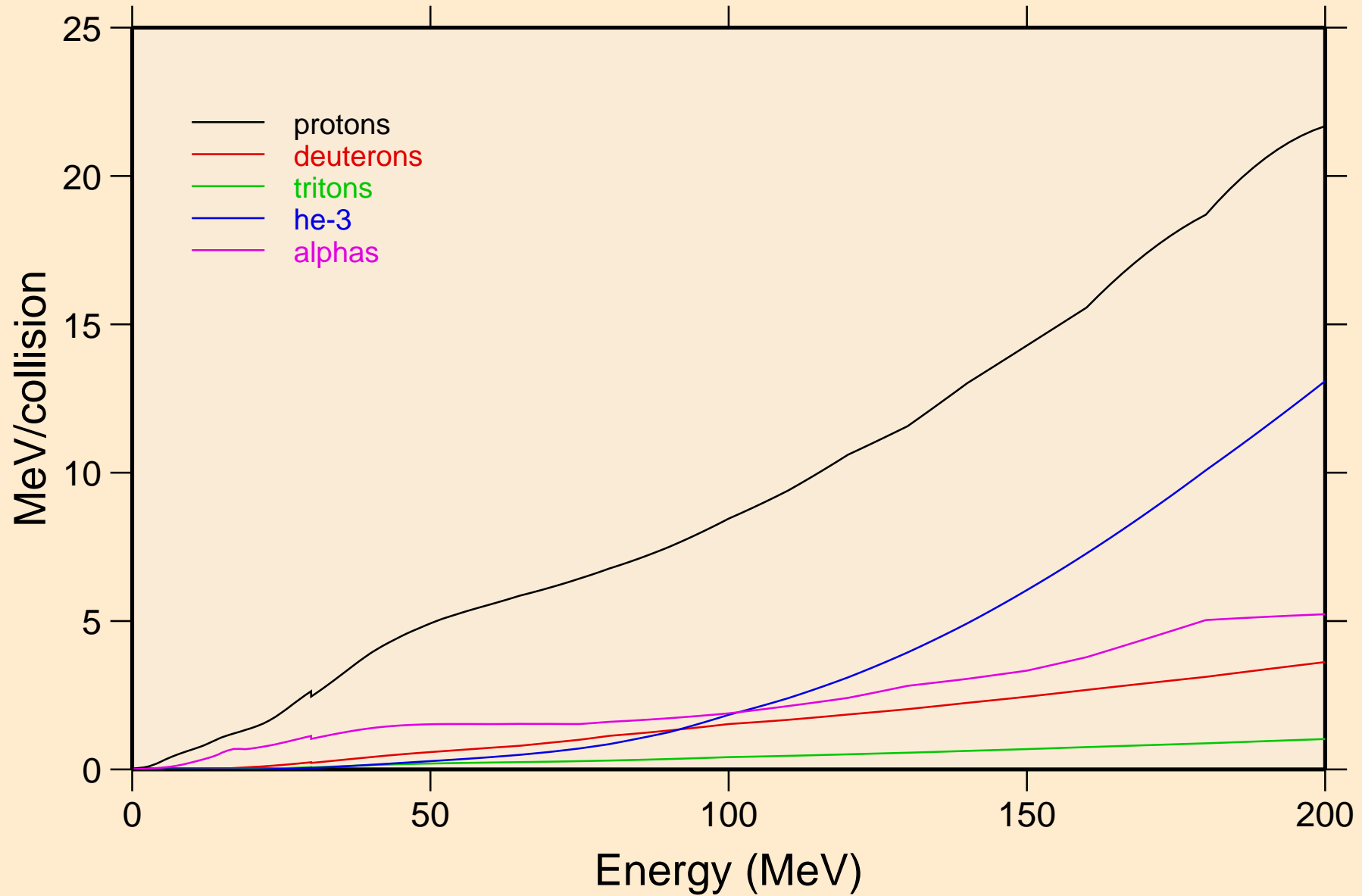


HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
14 MeV photon spectrum

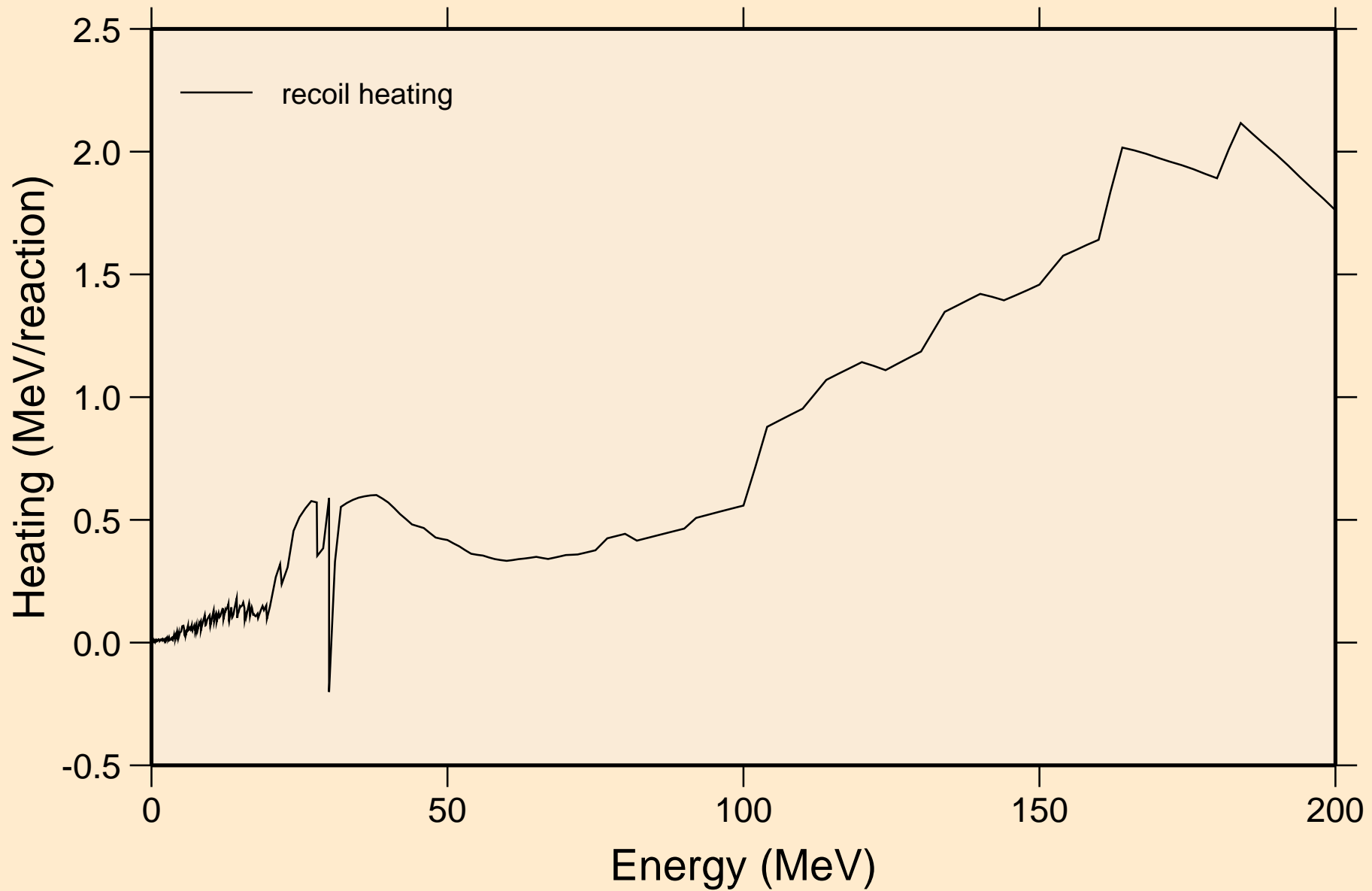


# HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Particle heating contributions

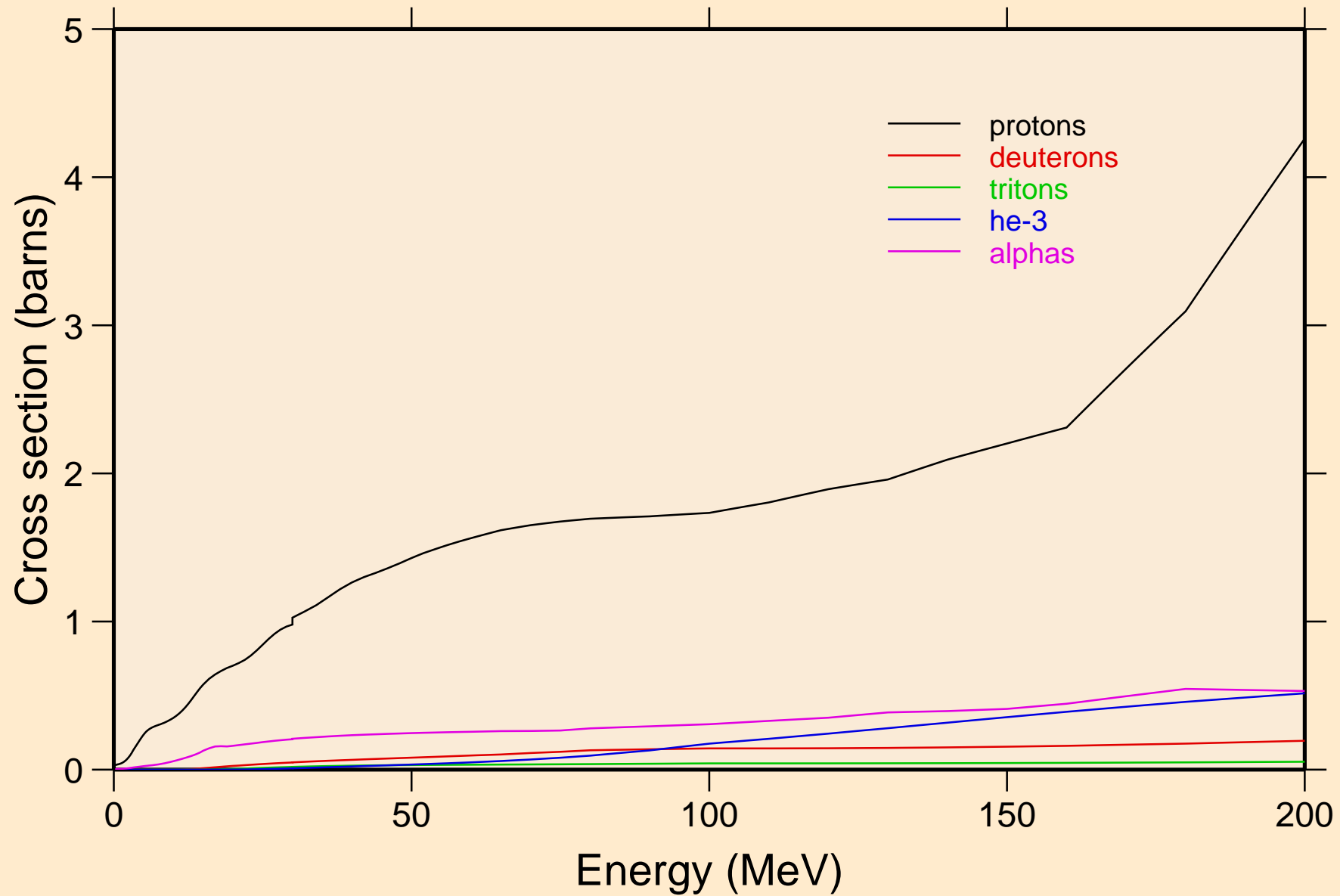


HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Recoil Heating

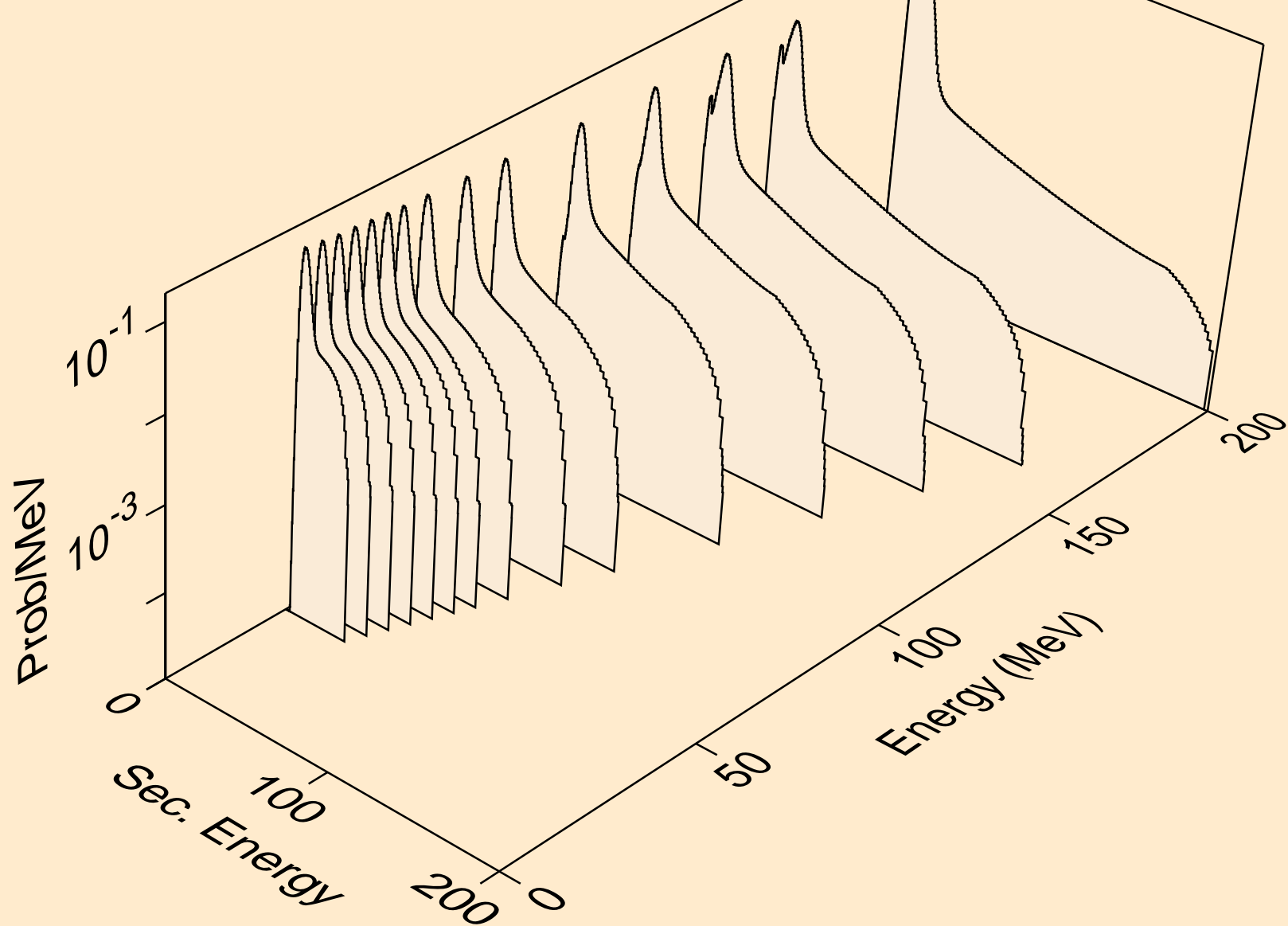


# HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

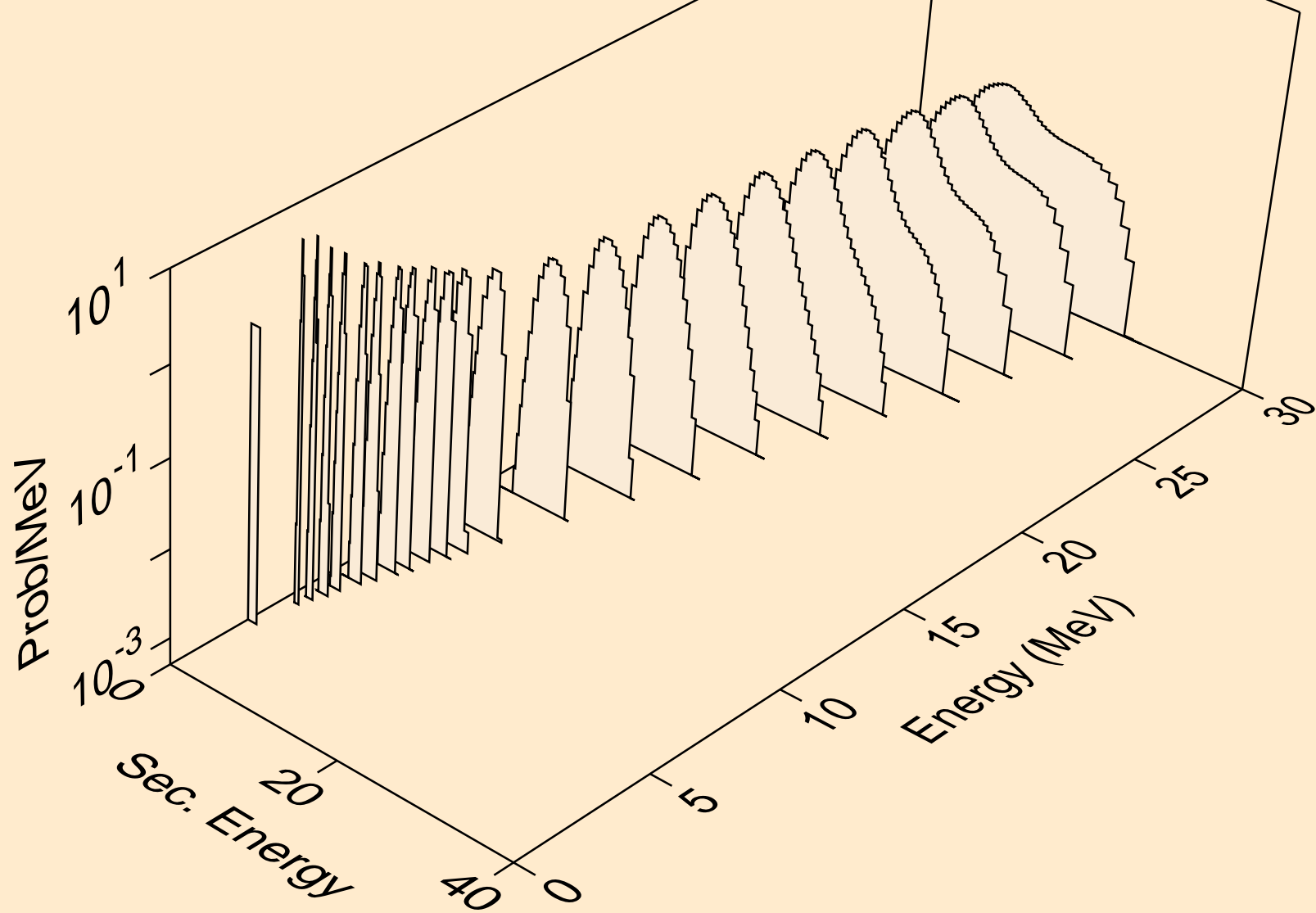
## Particle production cross sections



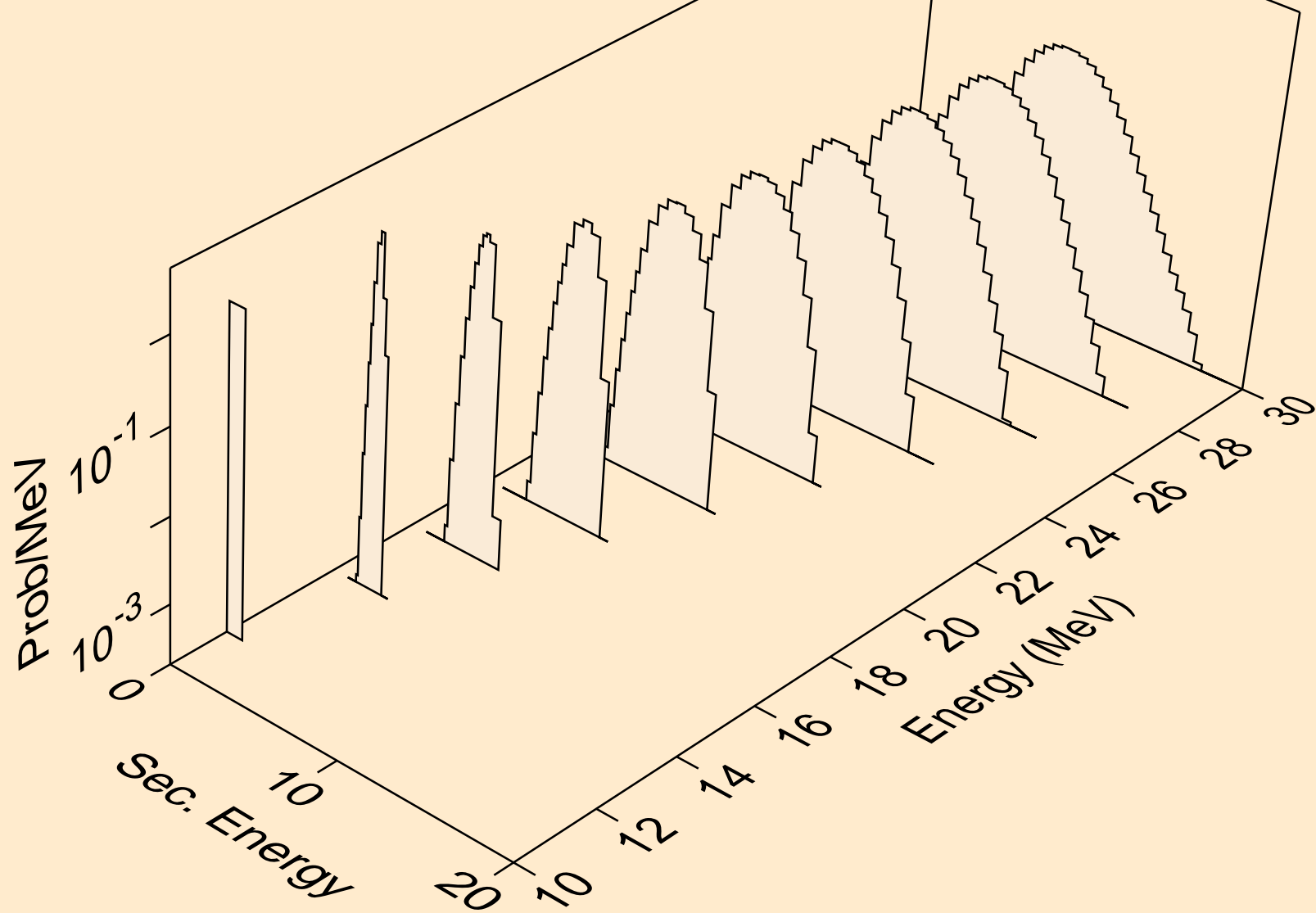
HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,x)



HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,n\*)p

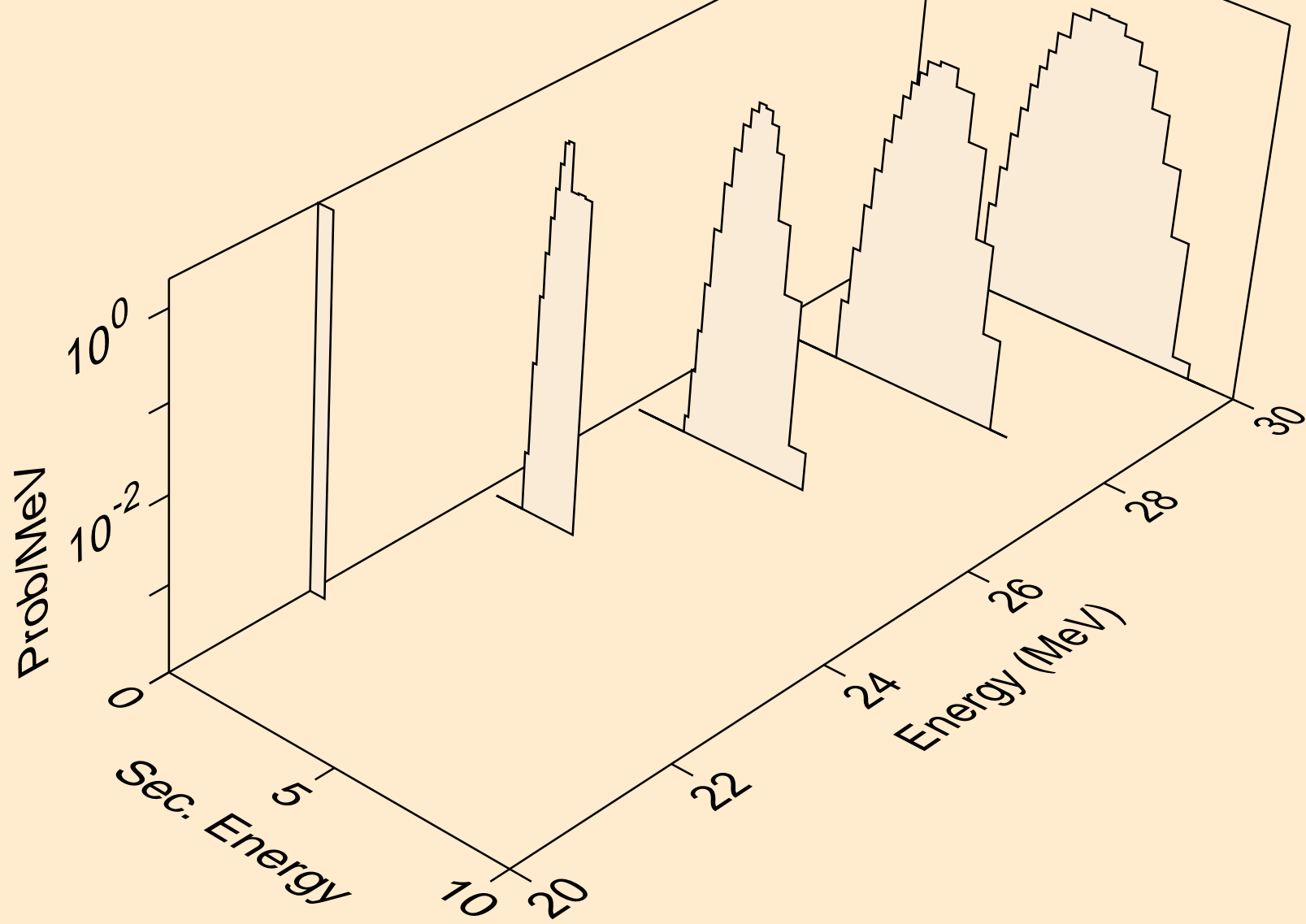


HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,2np)

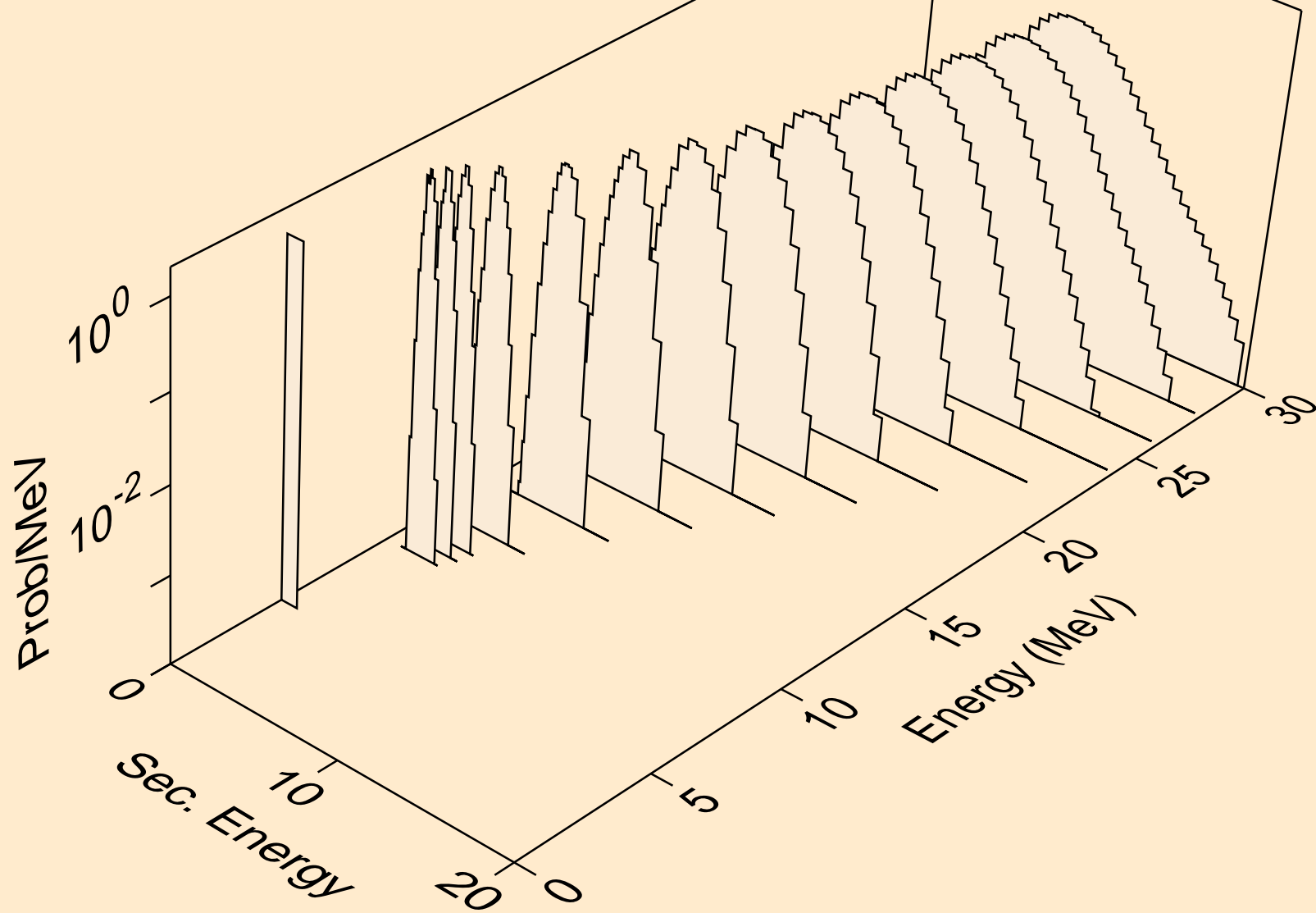




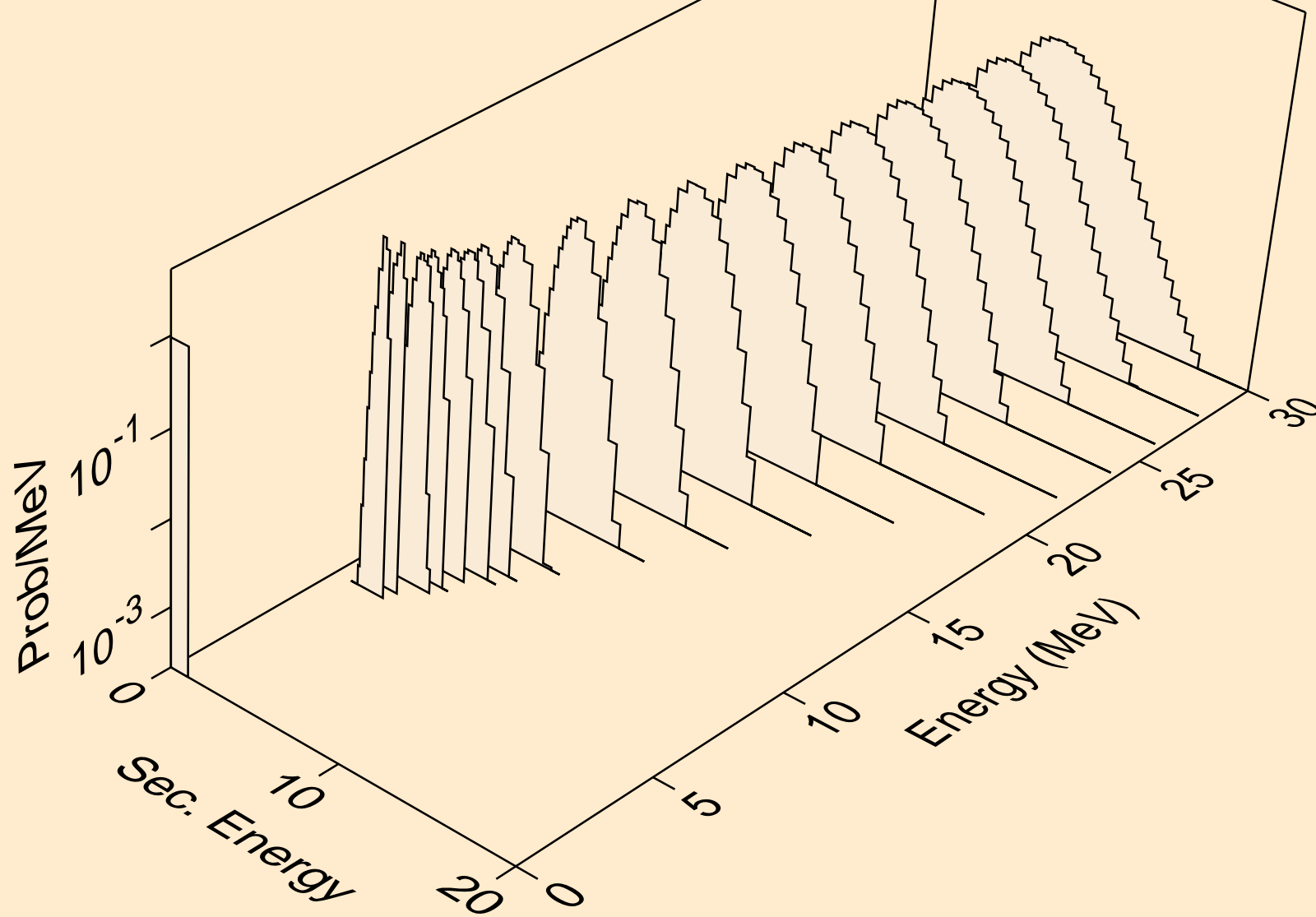
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protons from (n,3np)



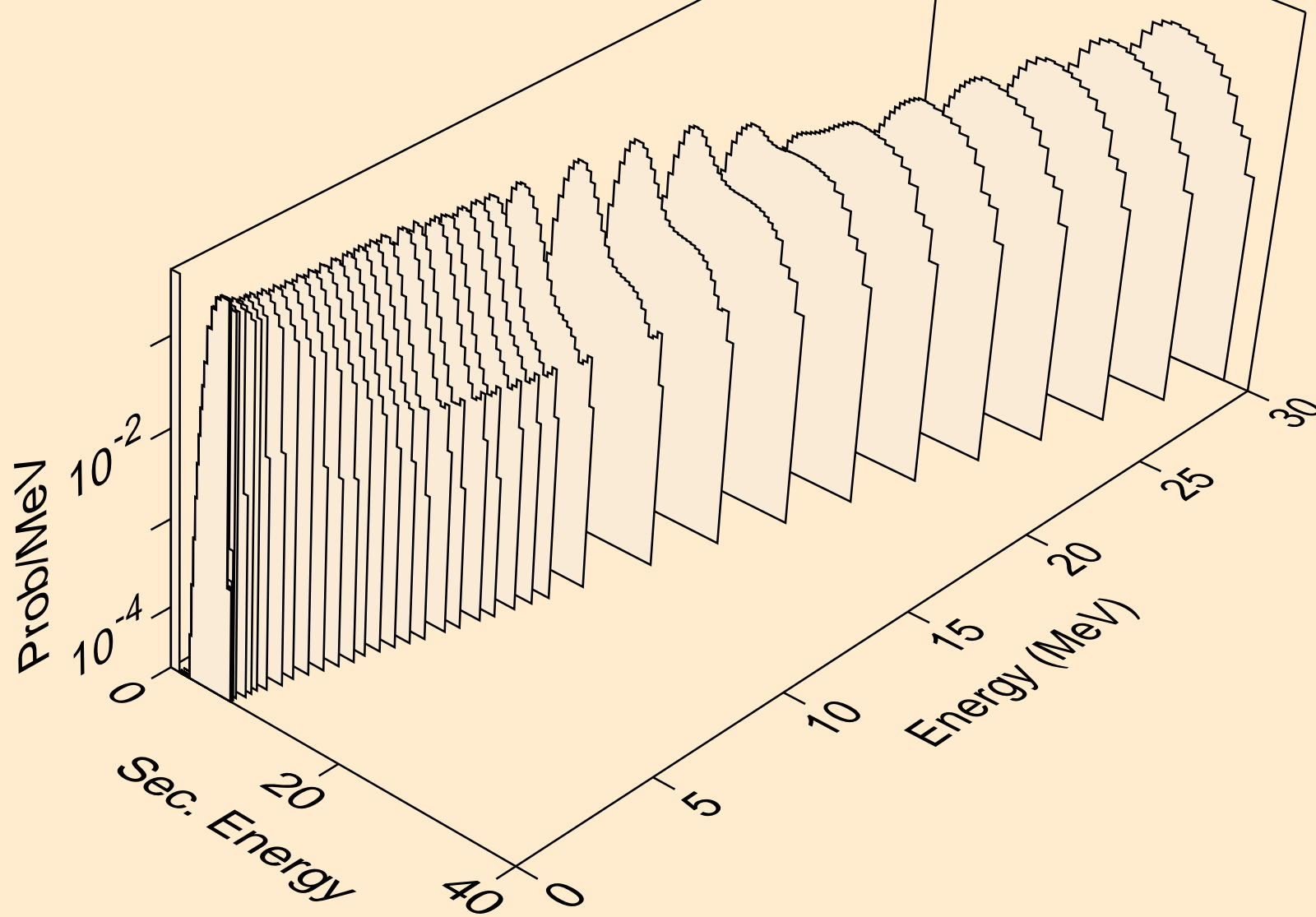
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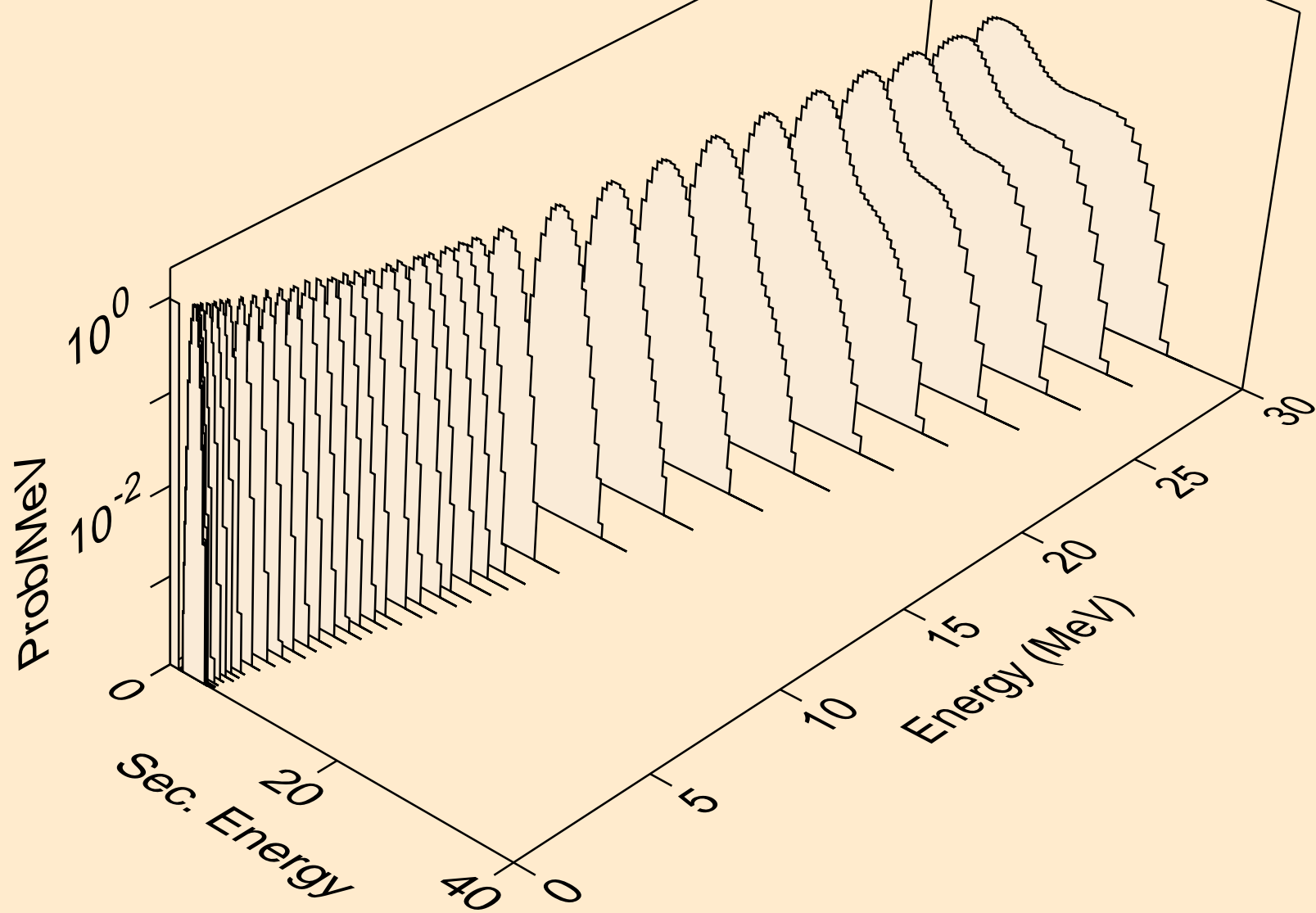
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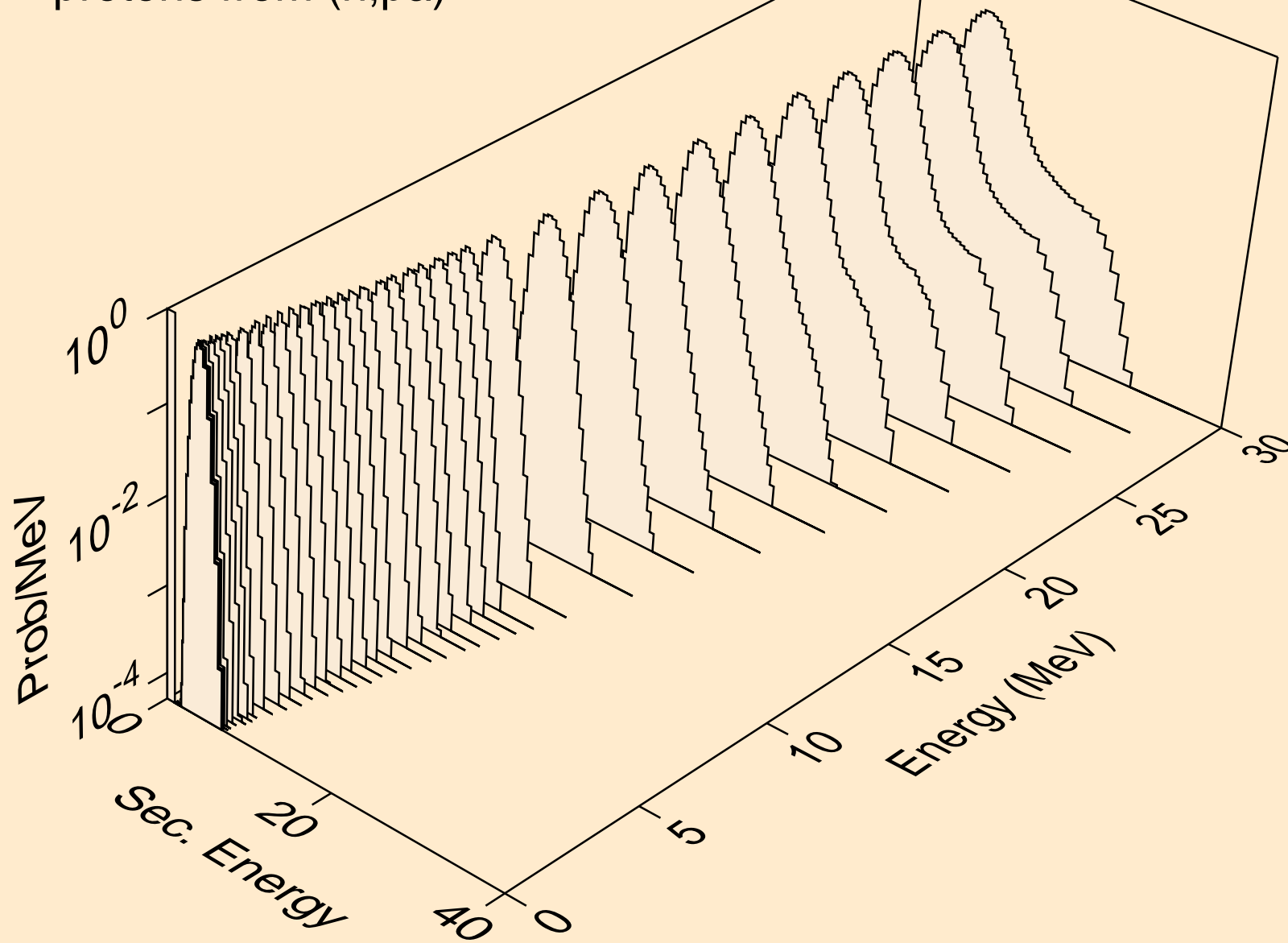
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protons from (n,p)



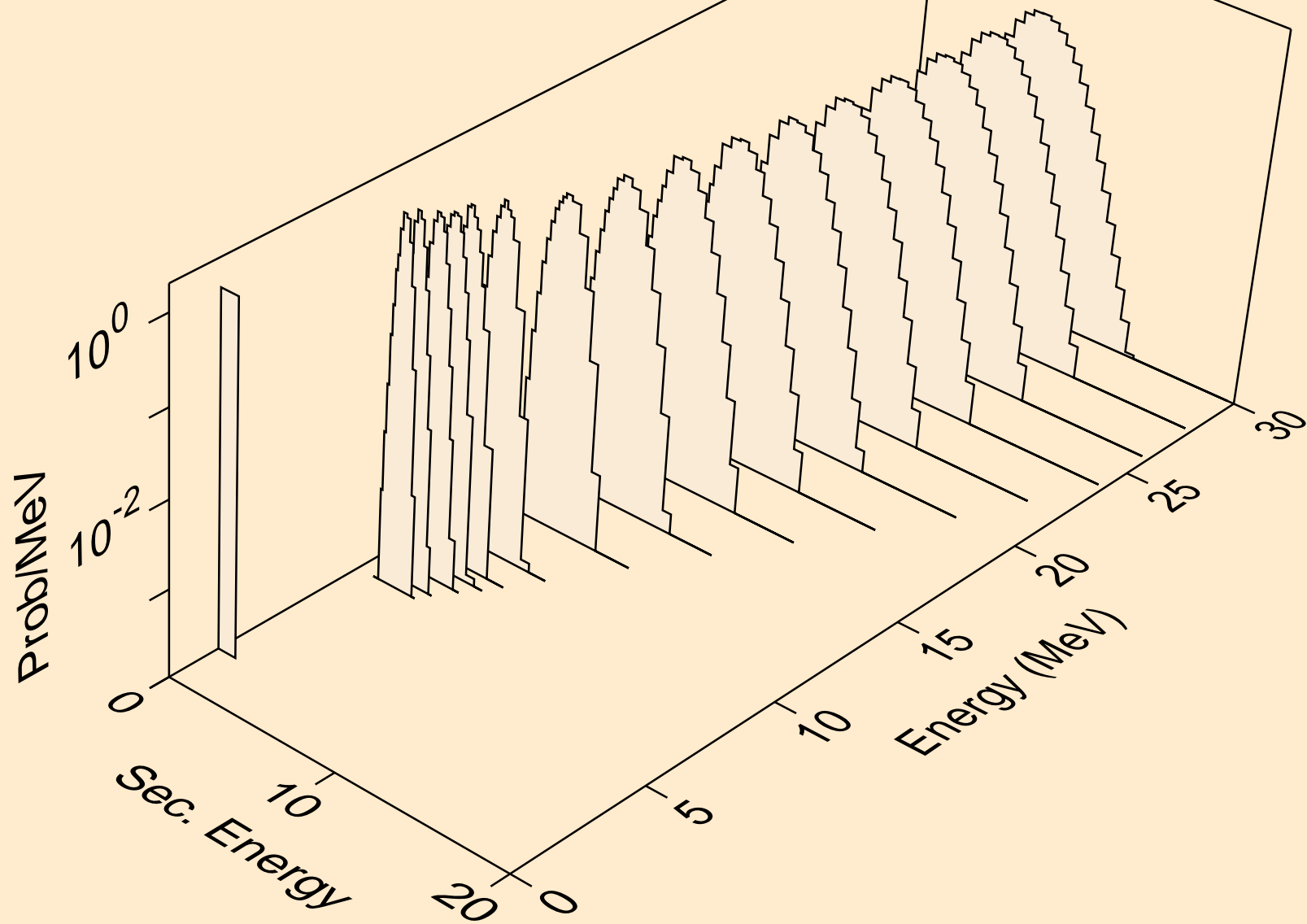
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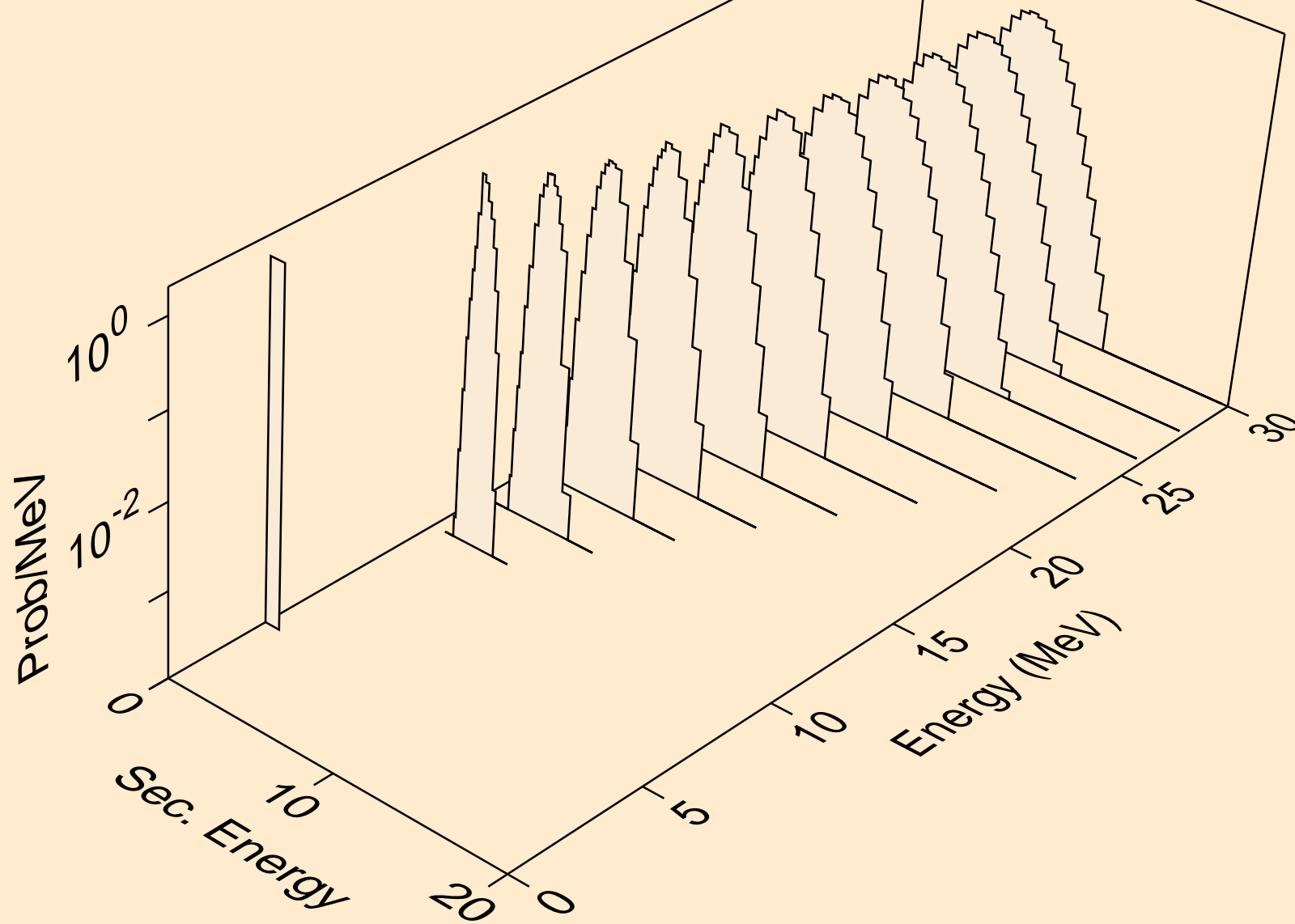
HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,p)



HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,pd)

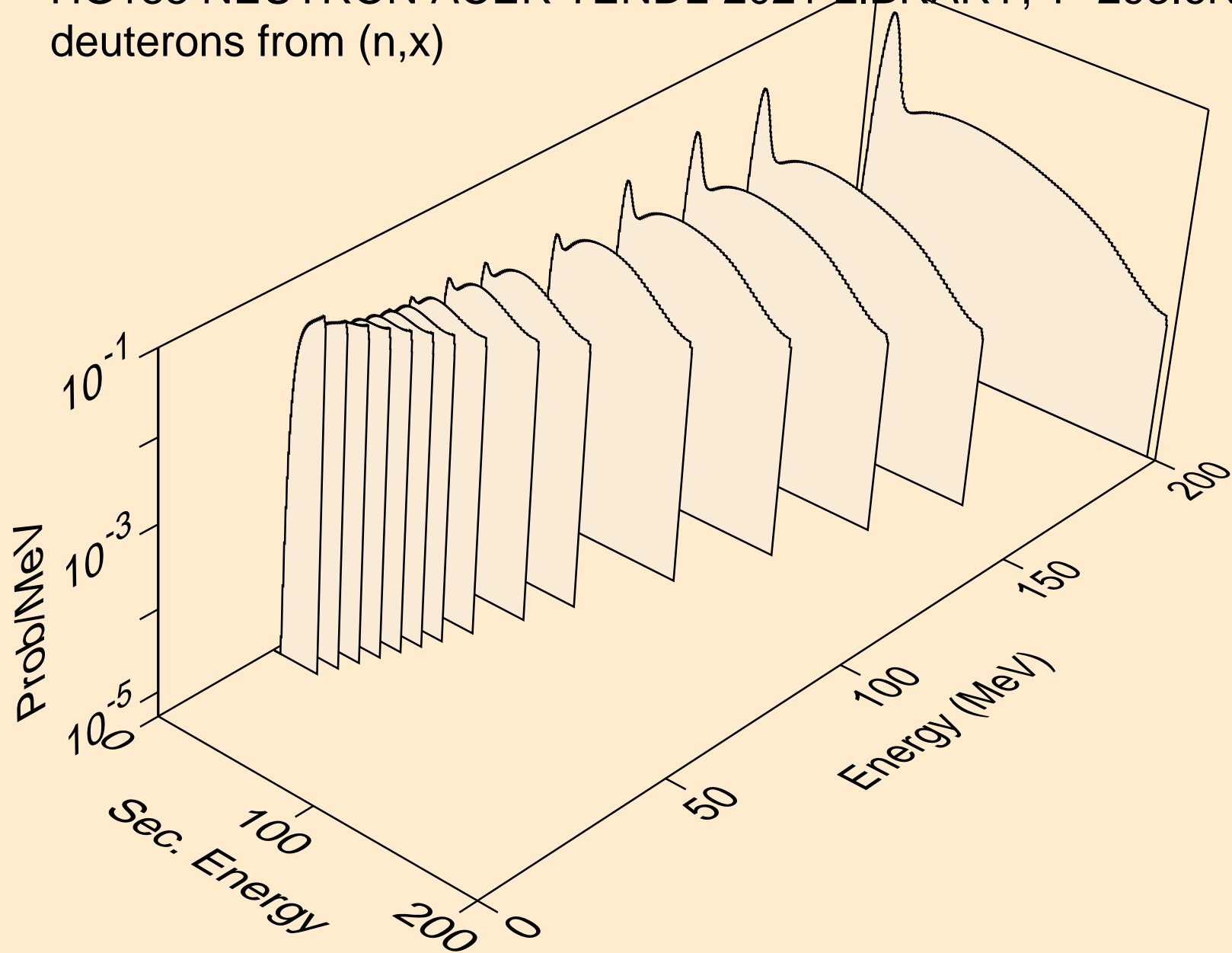


HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,pt)

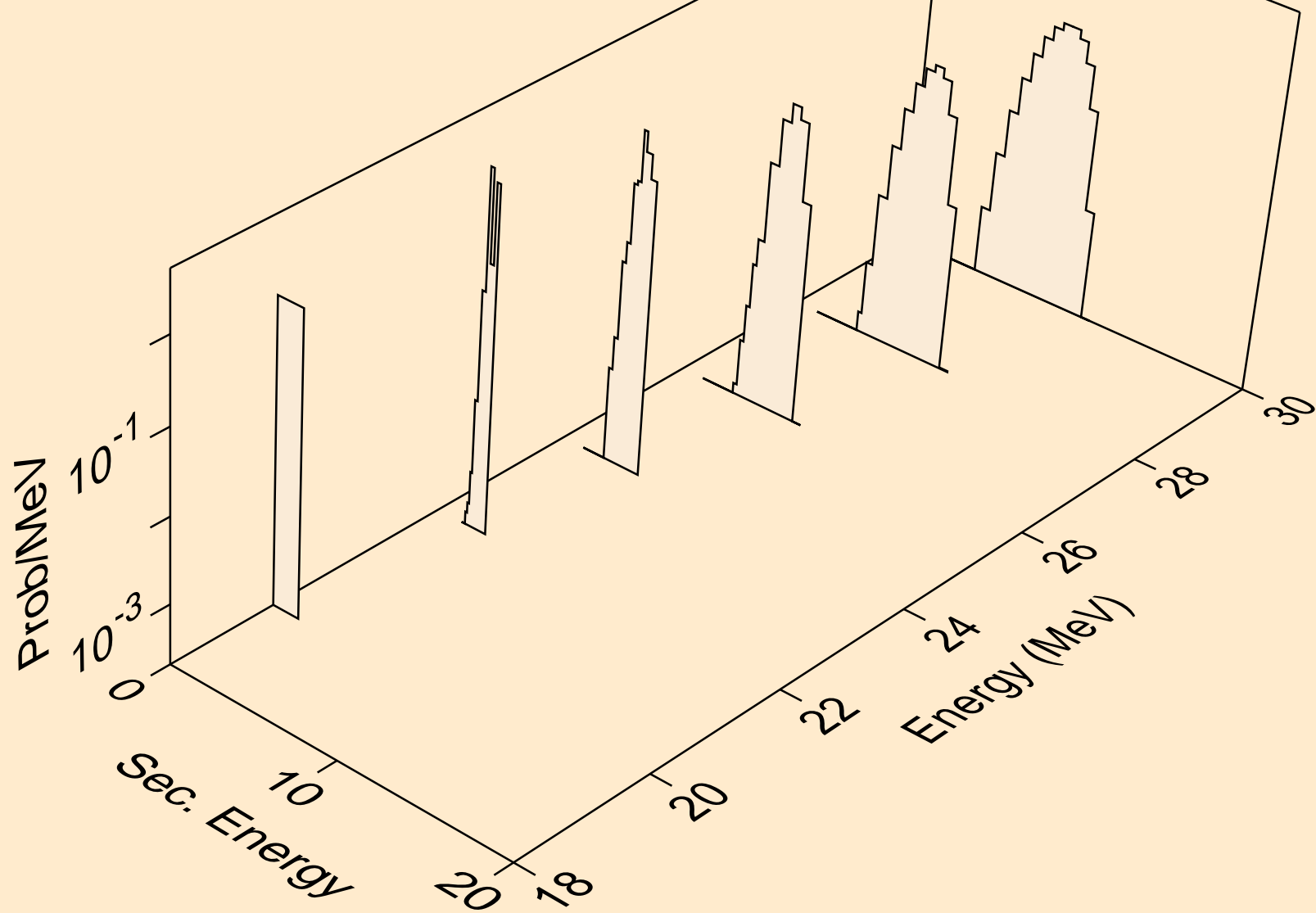




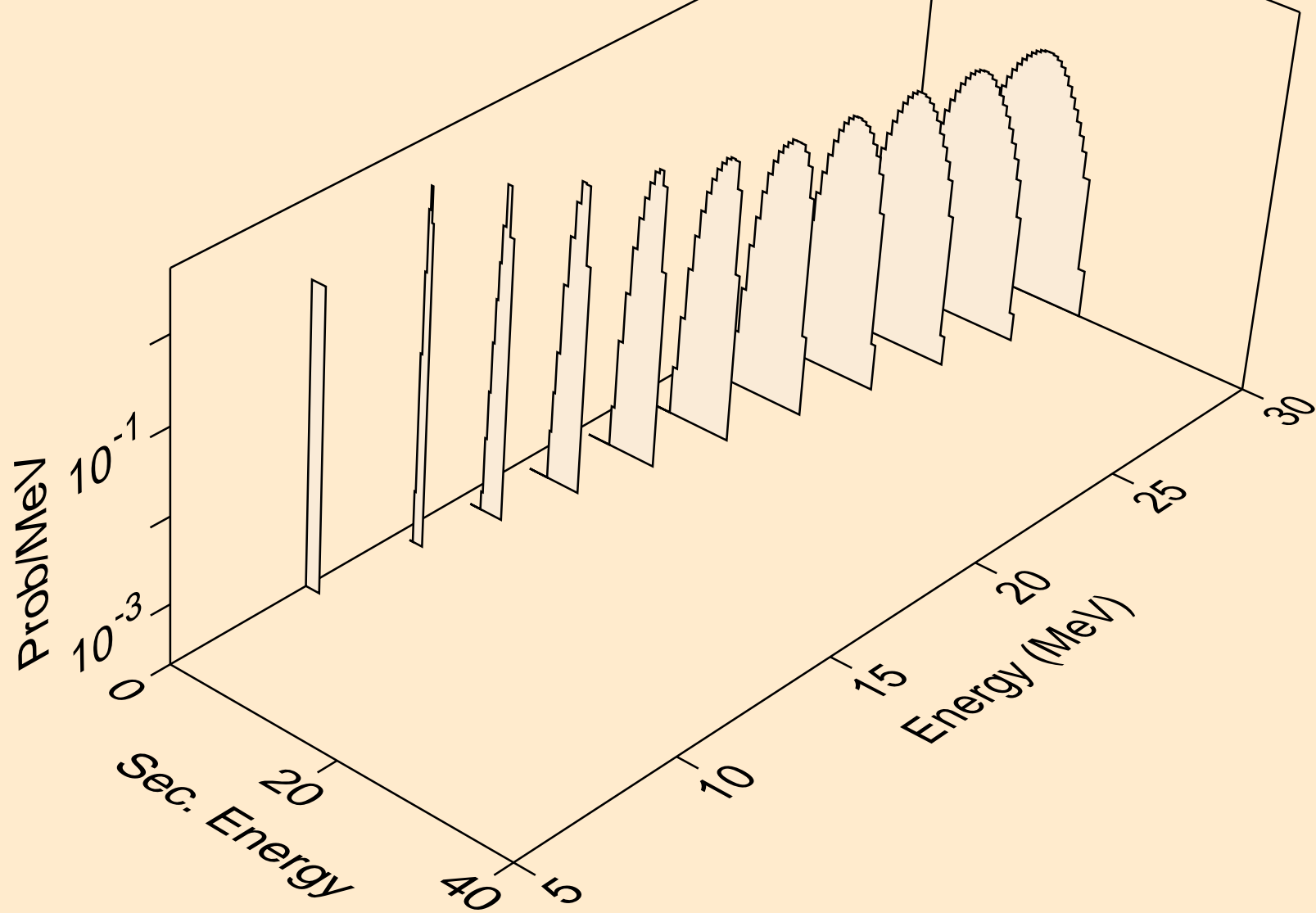
HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,x)



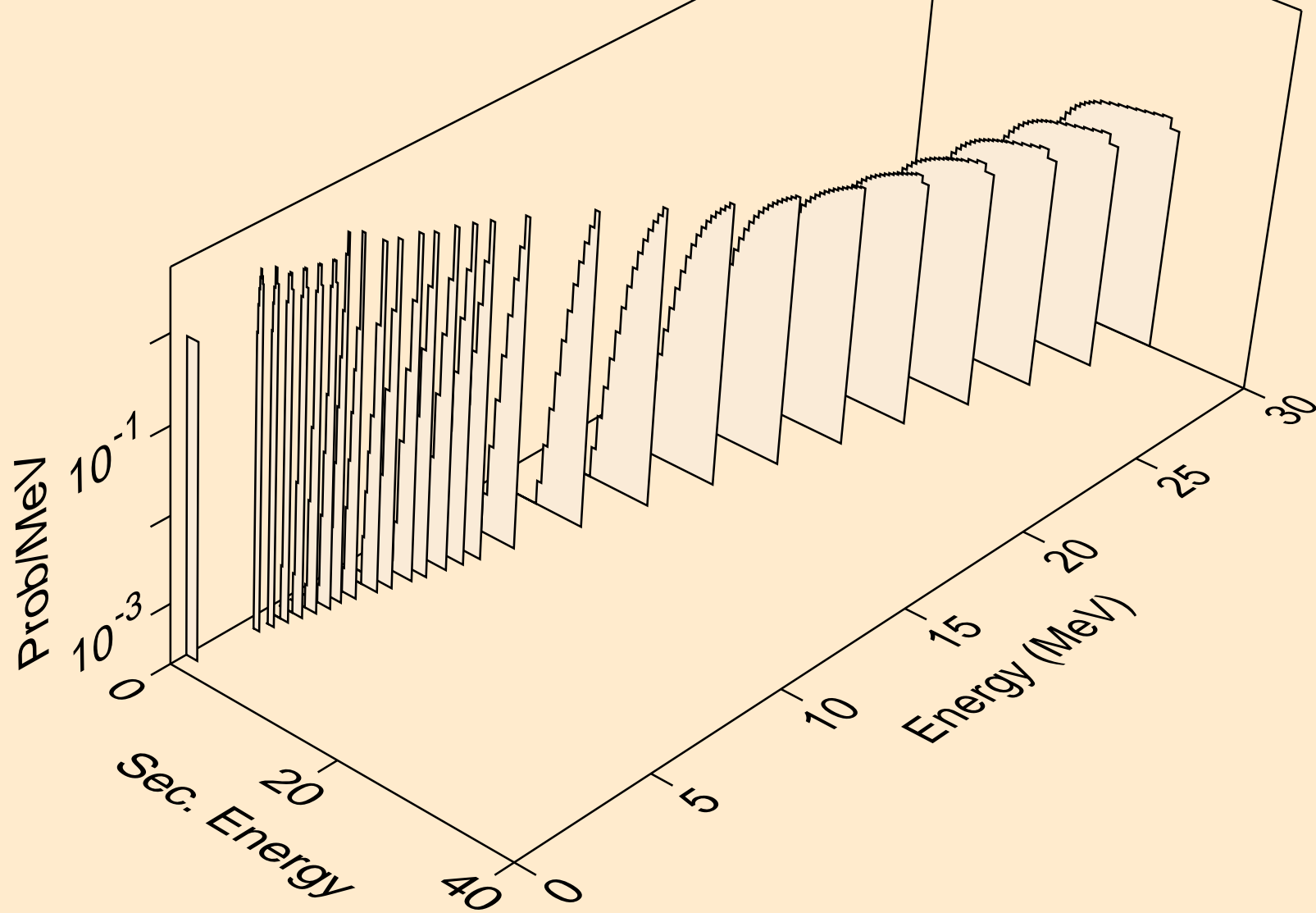
HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,2nd)



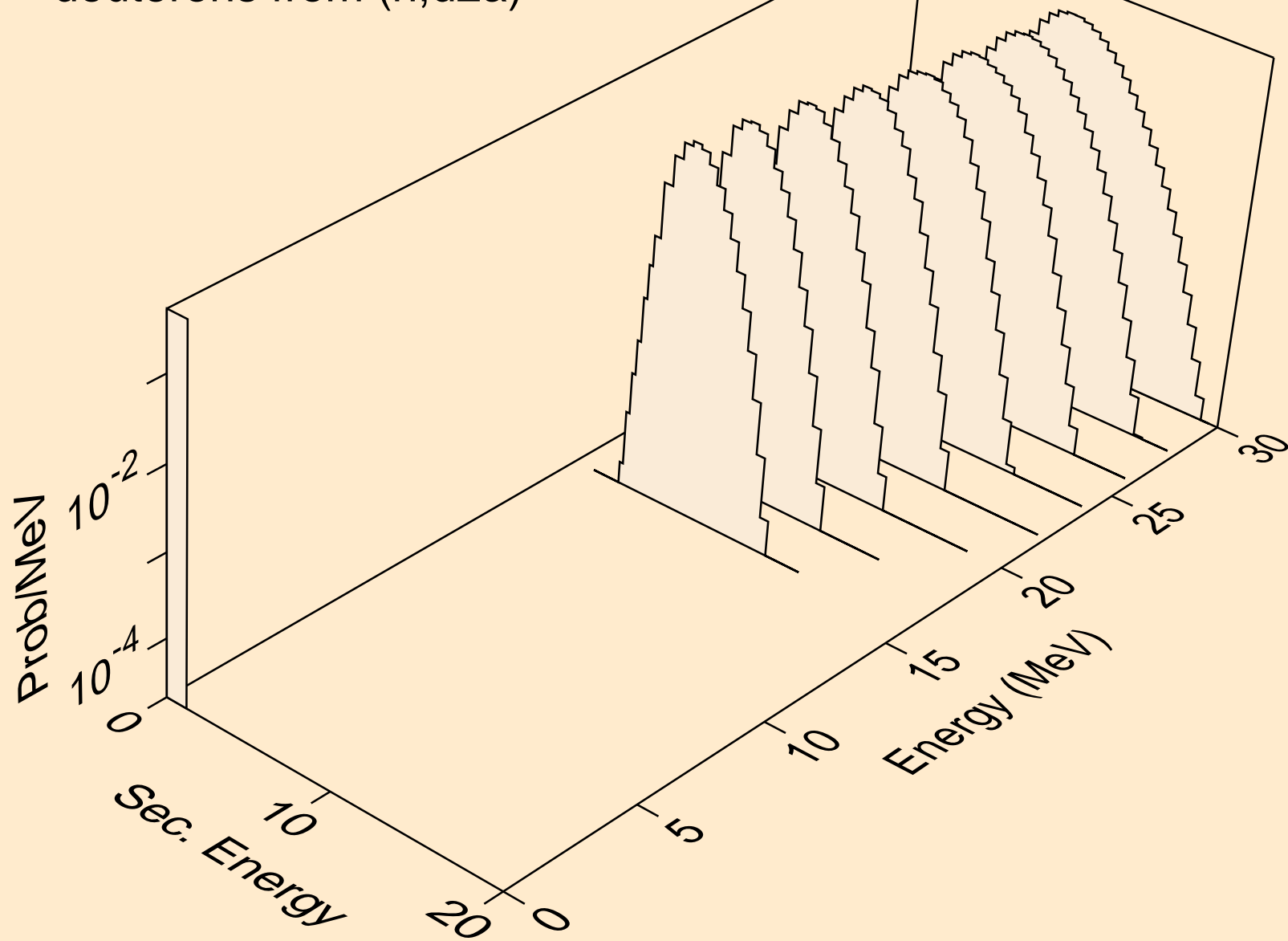
HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,n\*)d



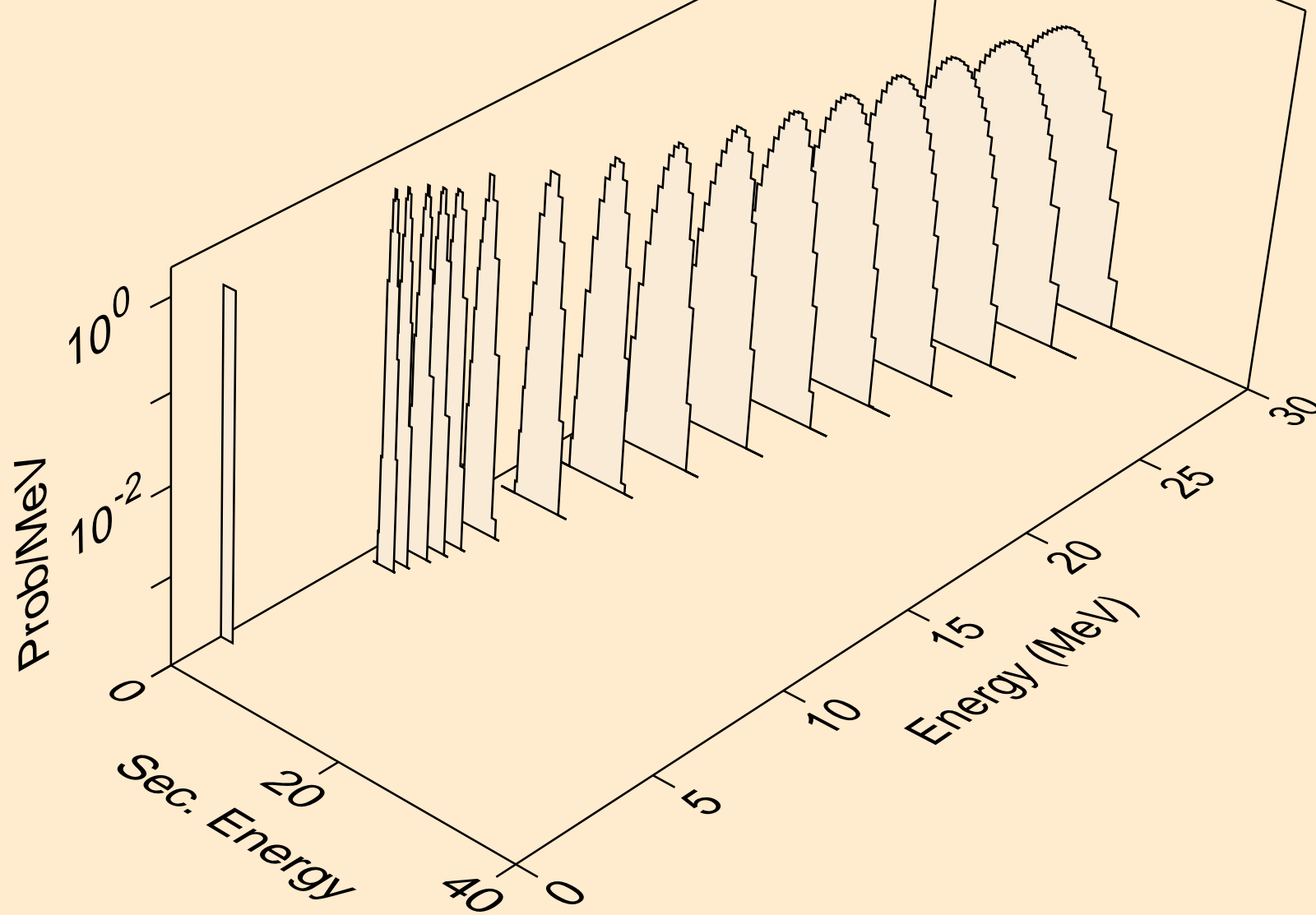
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deuterons from (n,d)



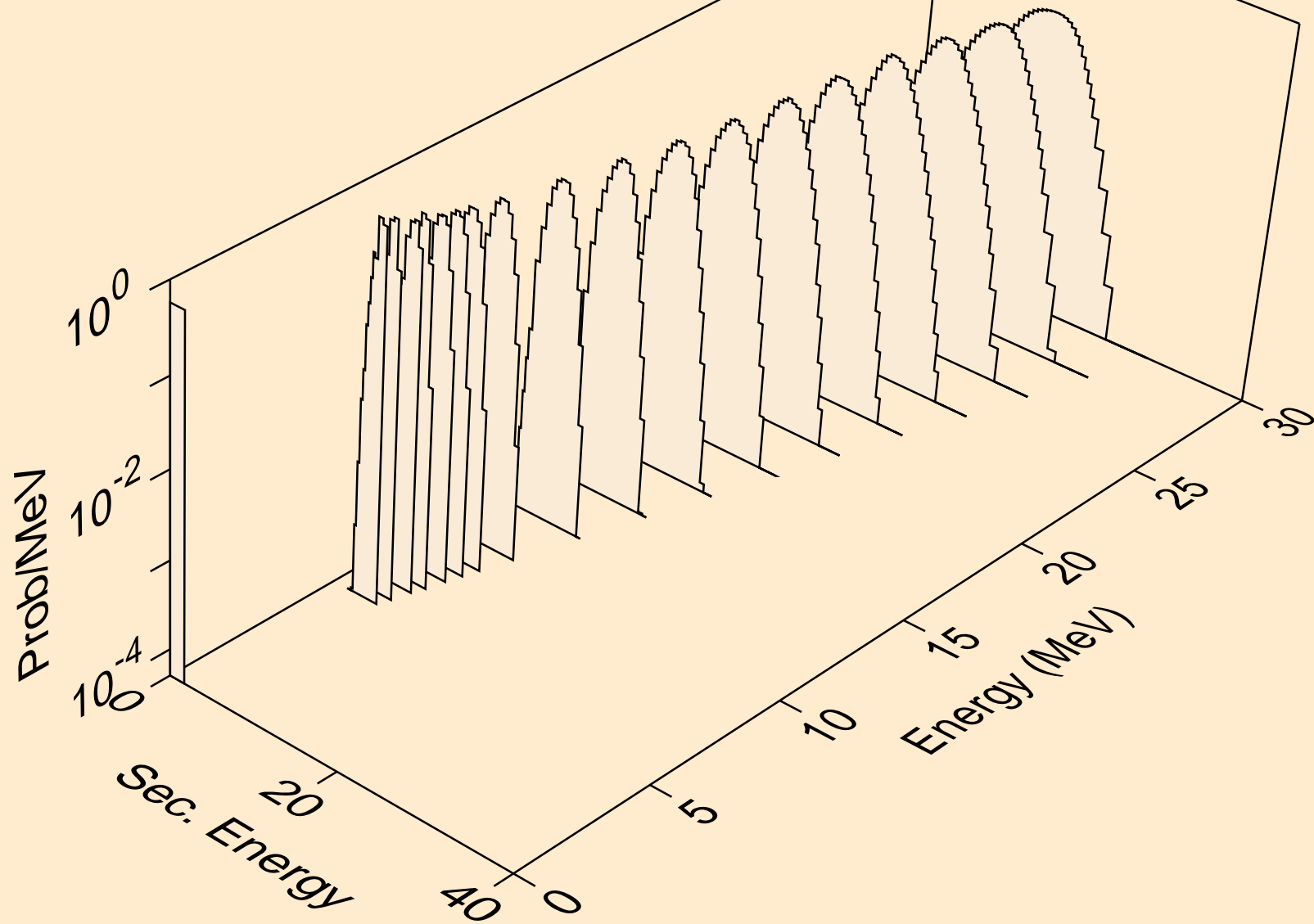
HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,d2a)



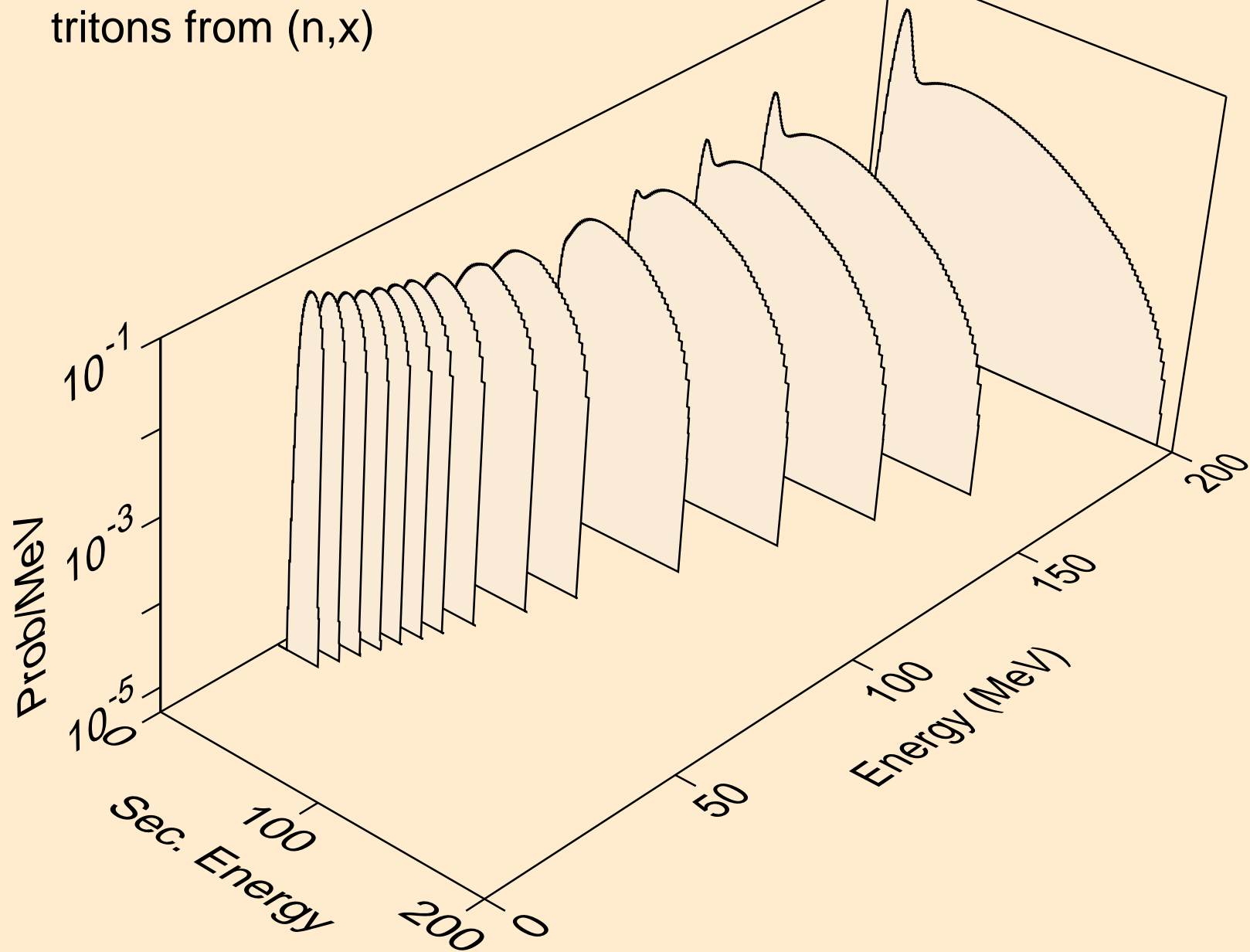
HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,pd)



HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,da)

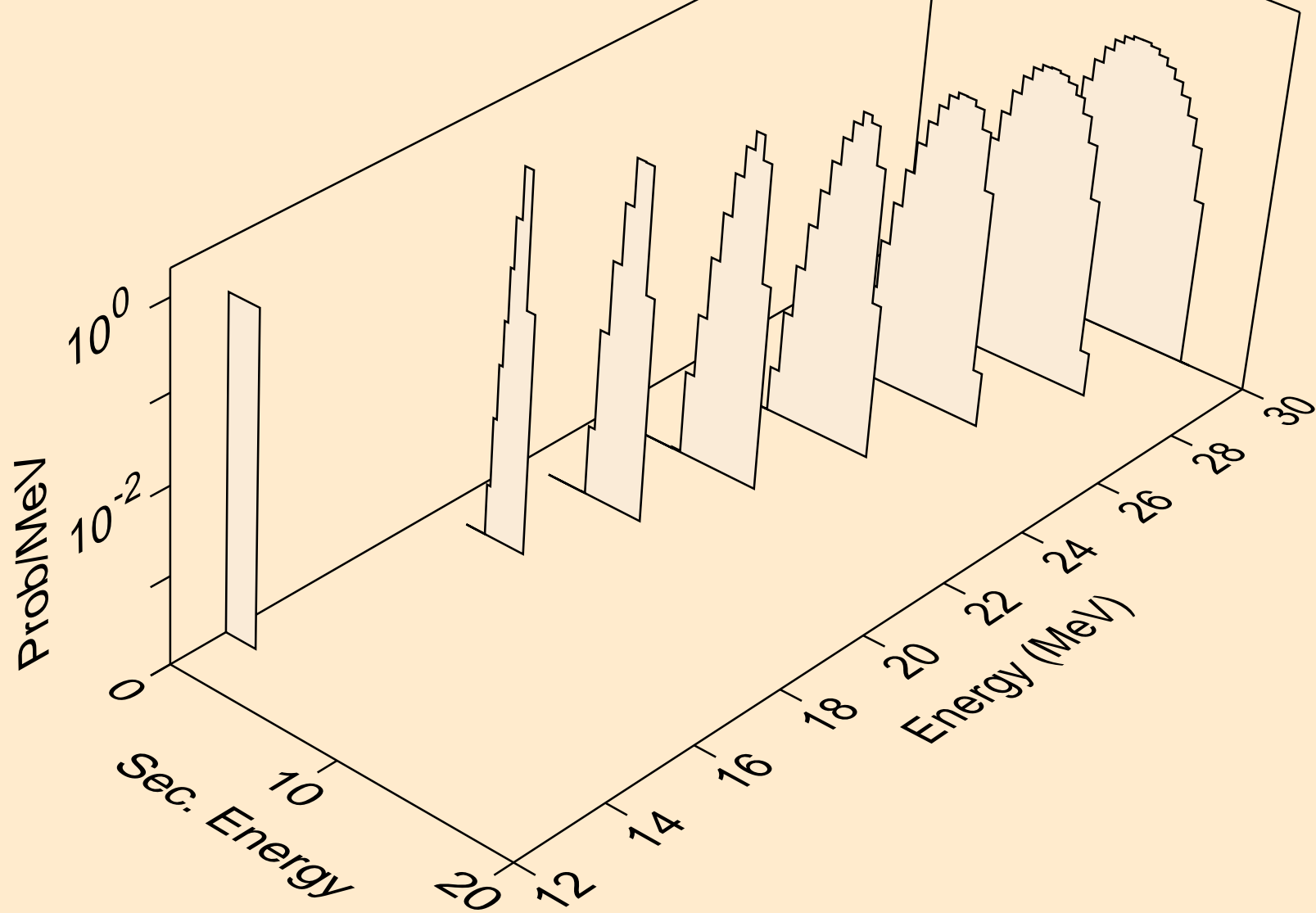


HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,x)

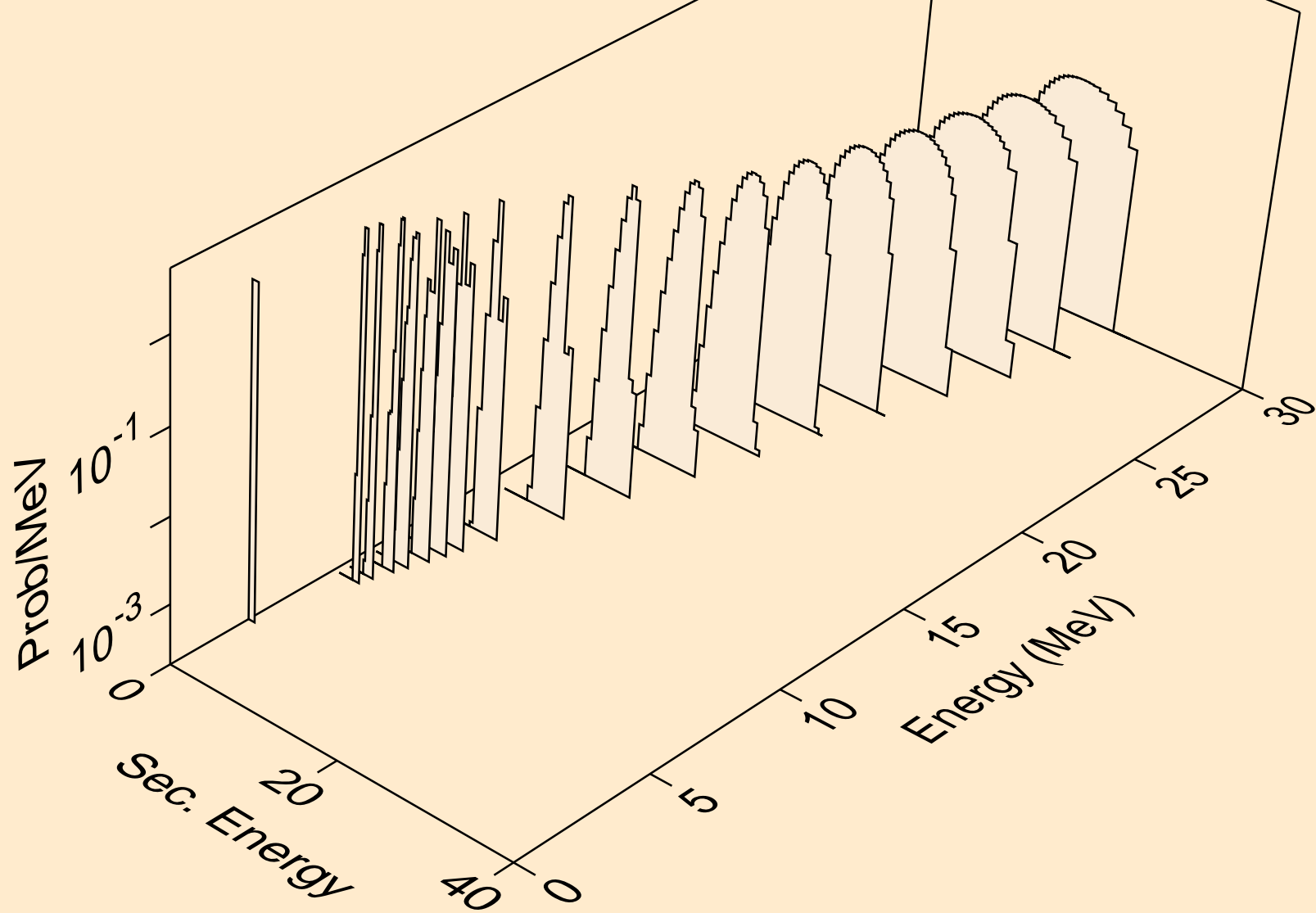




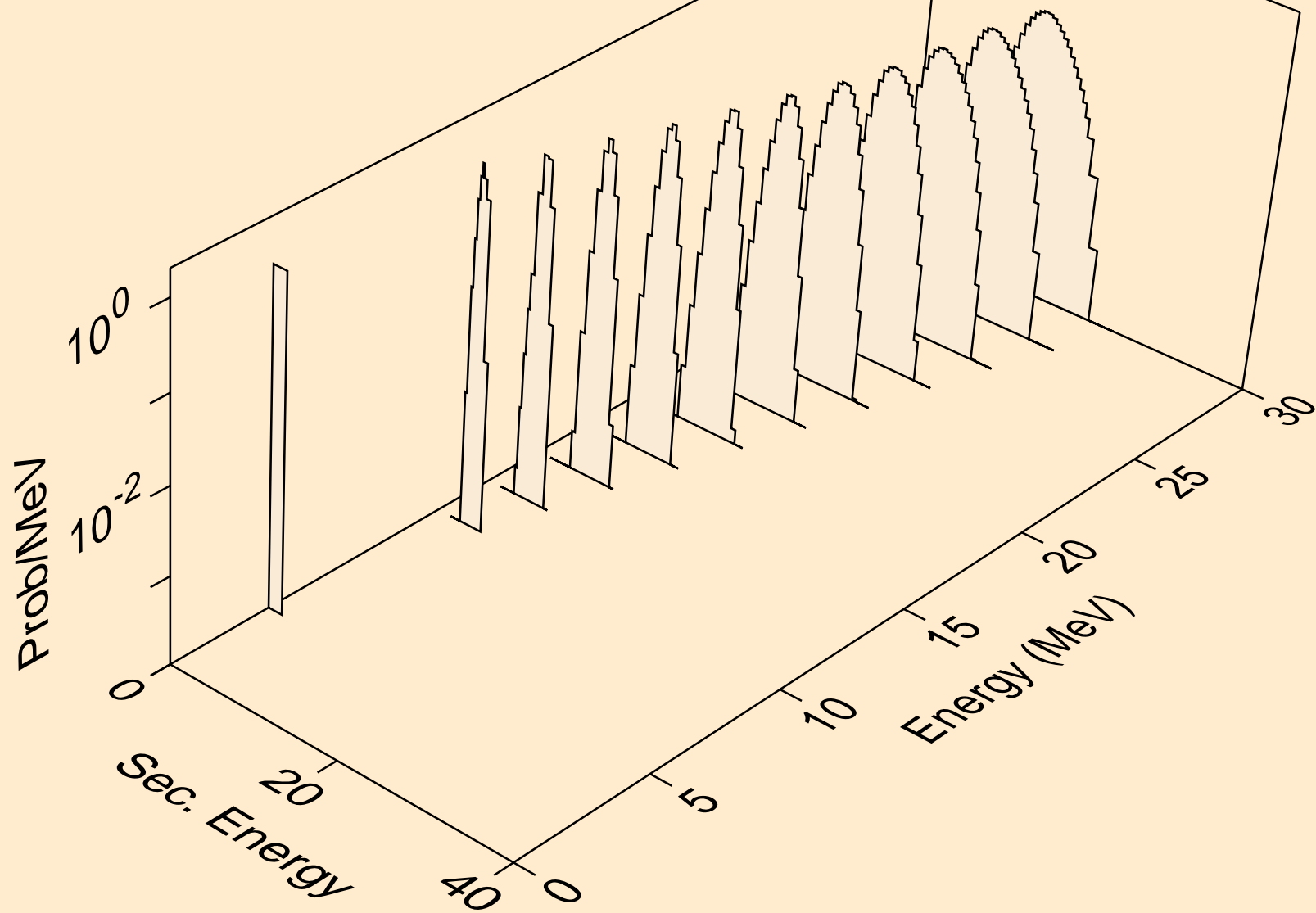
HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,n\*)t



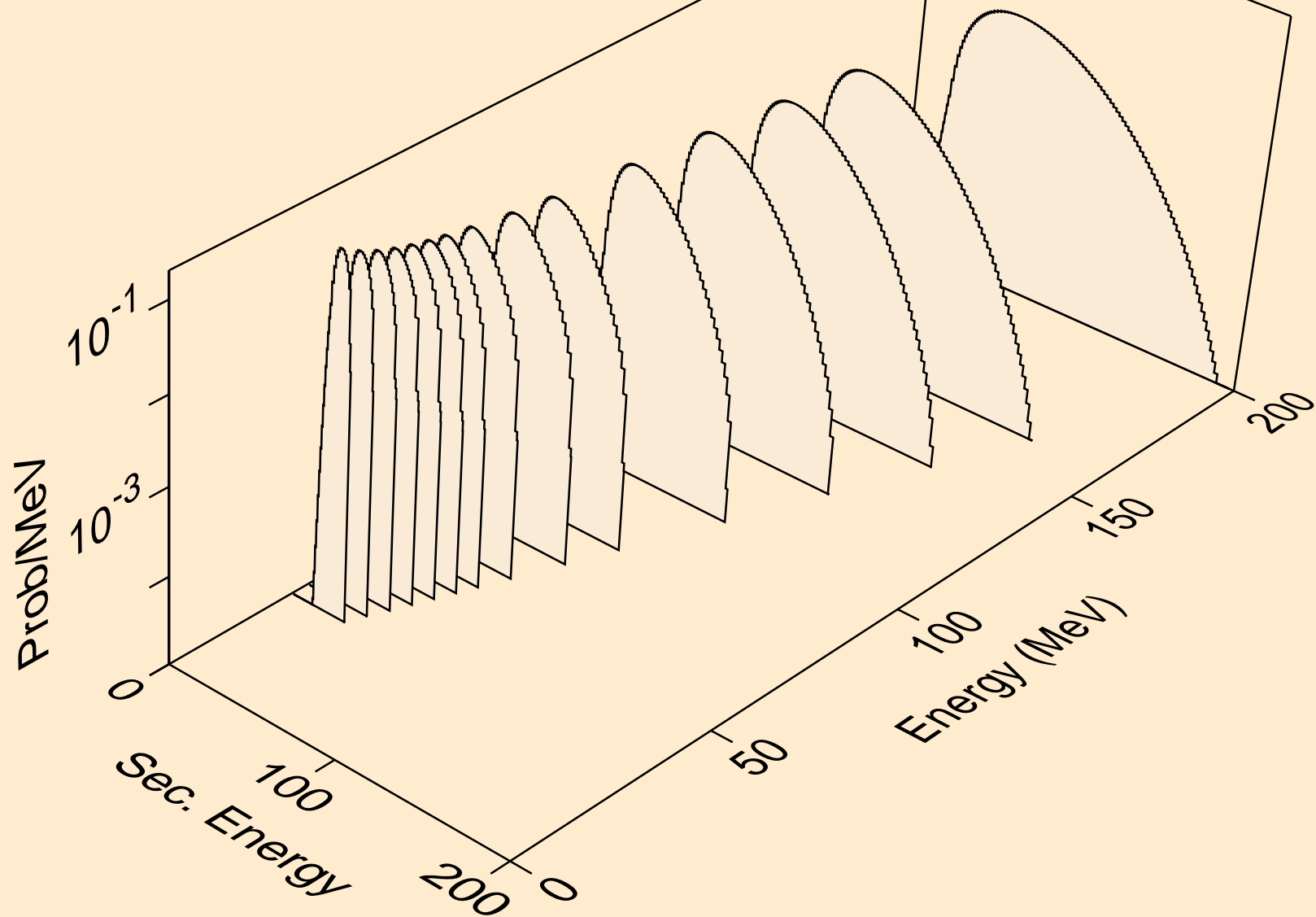
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tritons from (n,t)



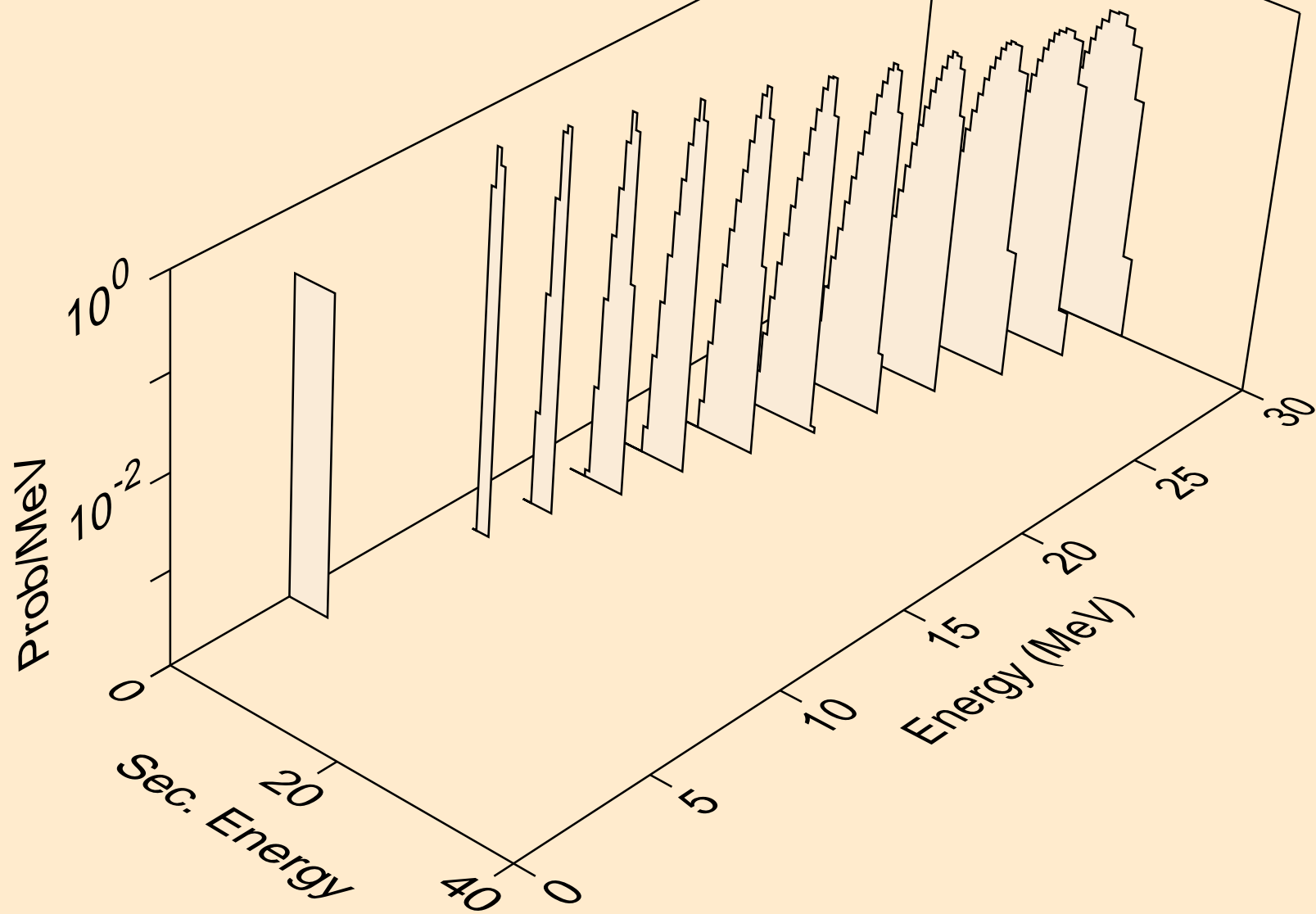
HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,pt)



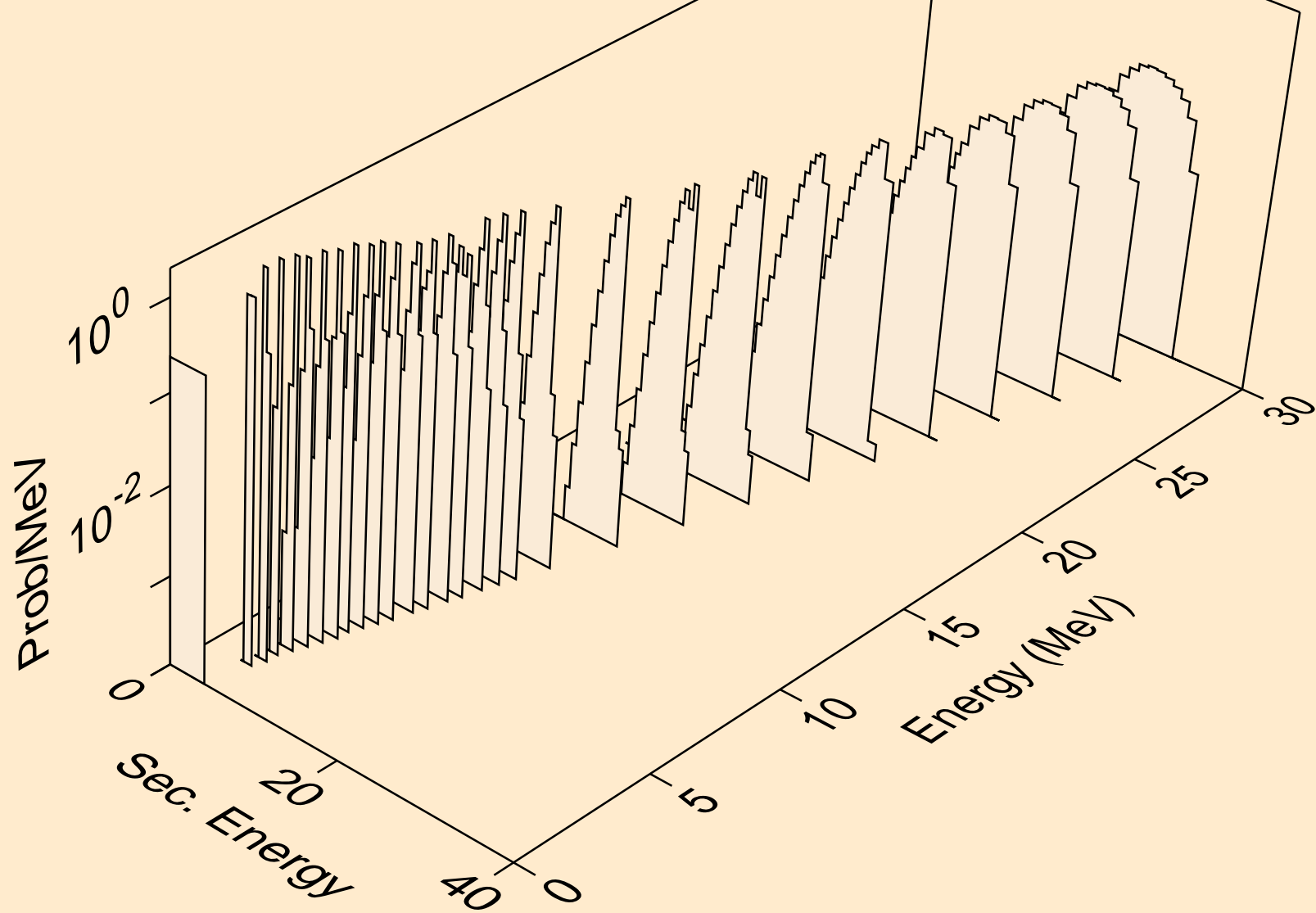
HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
he3s from (n,x)



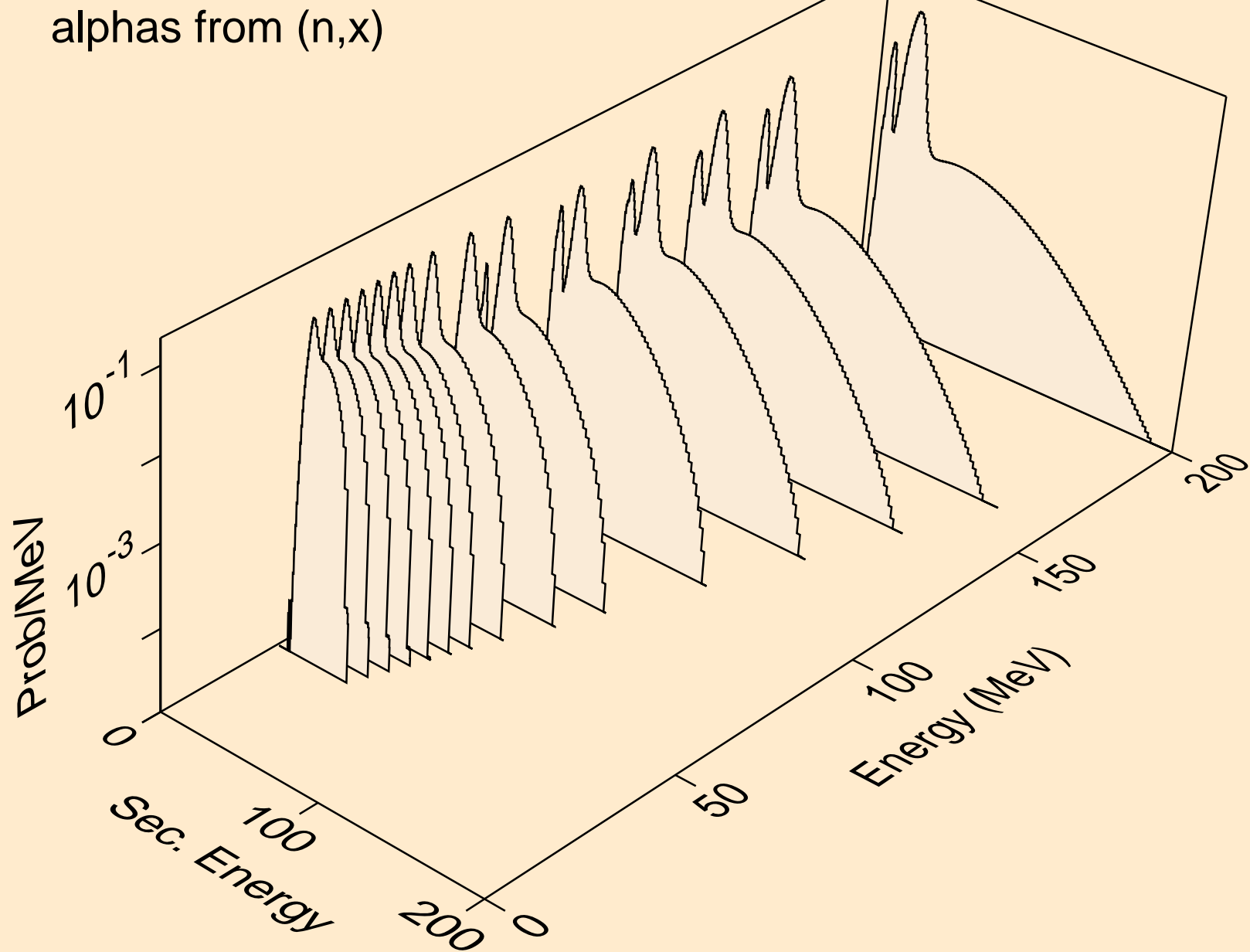
HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
he3s from (n,n\*)he3



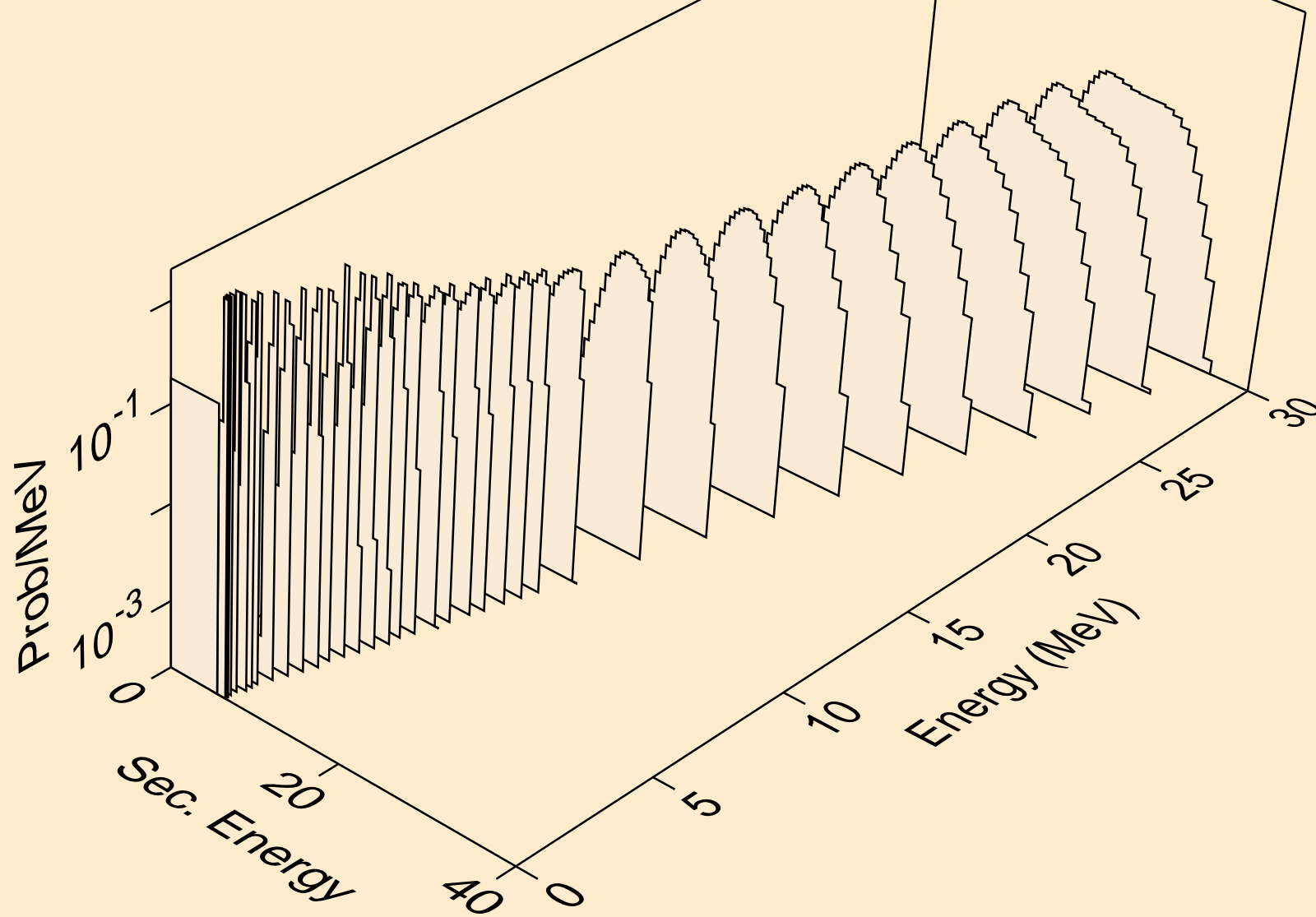
HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
he3s from (n,he3)



HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,x)

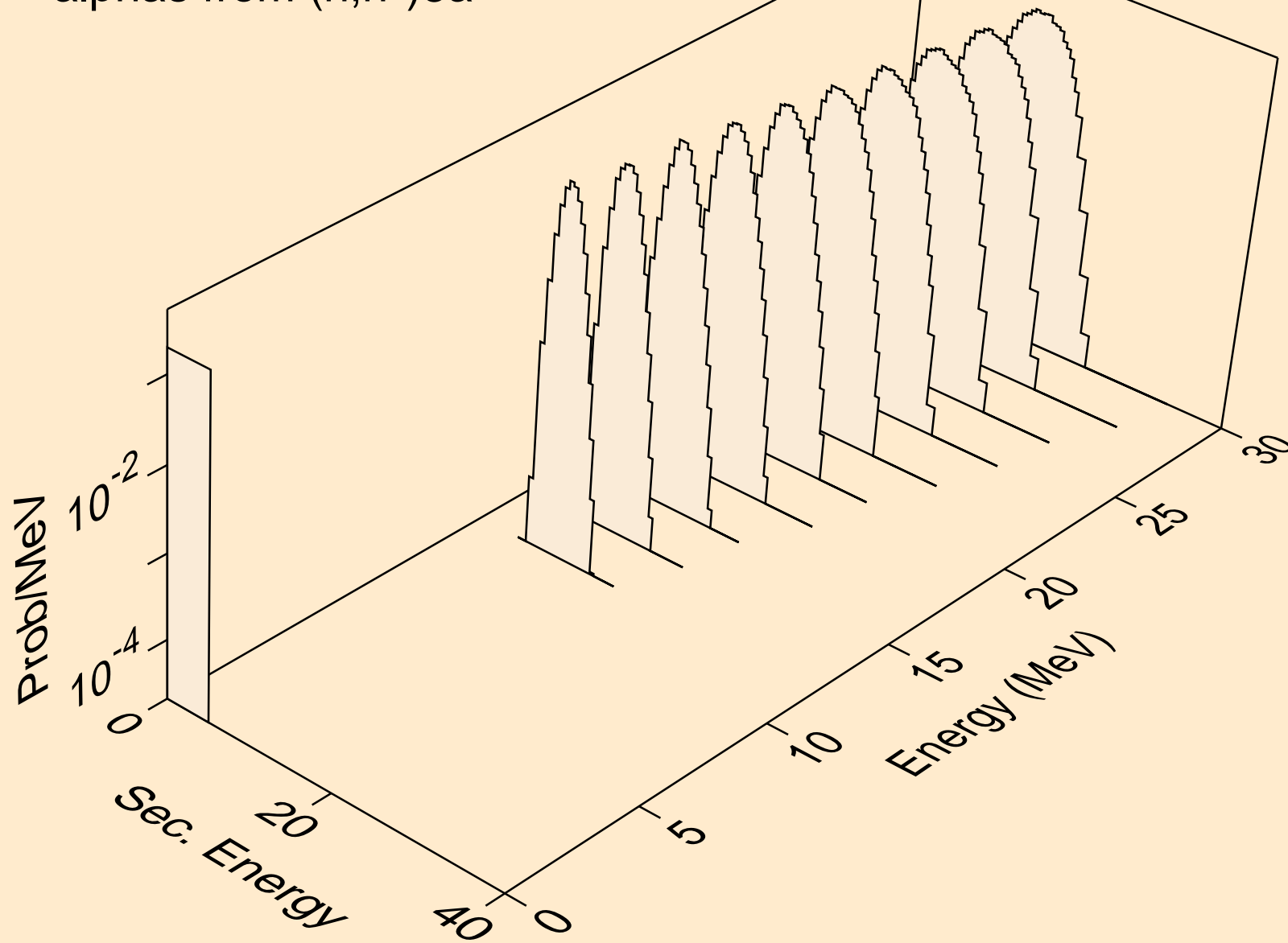


HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,n\*)a

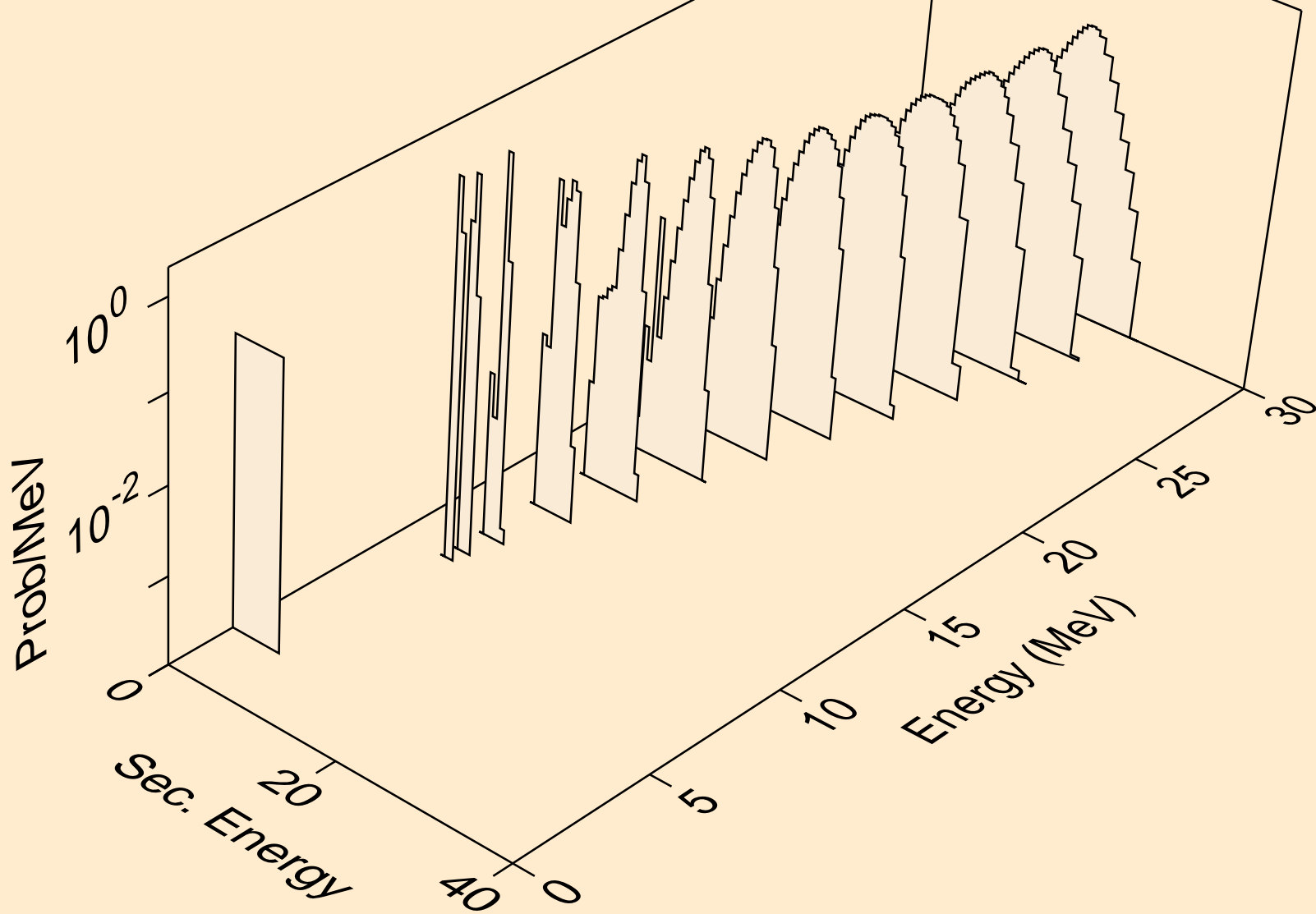




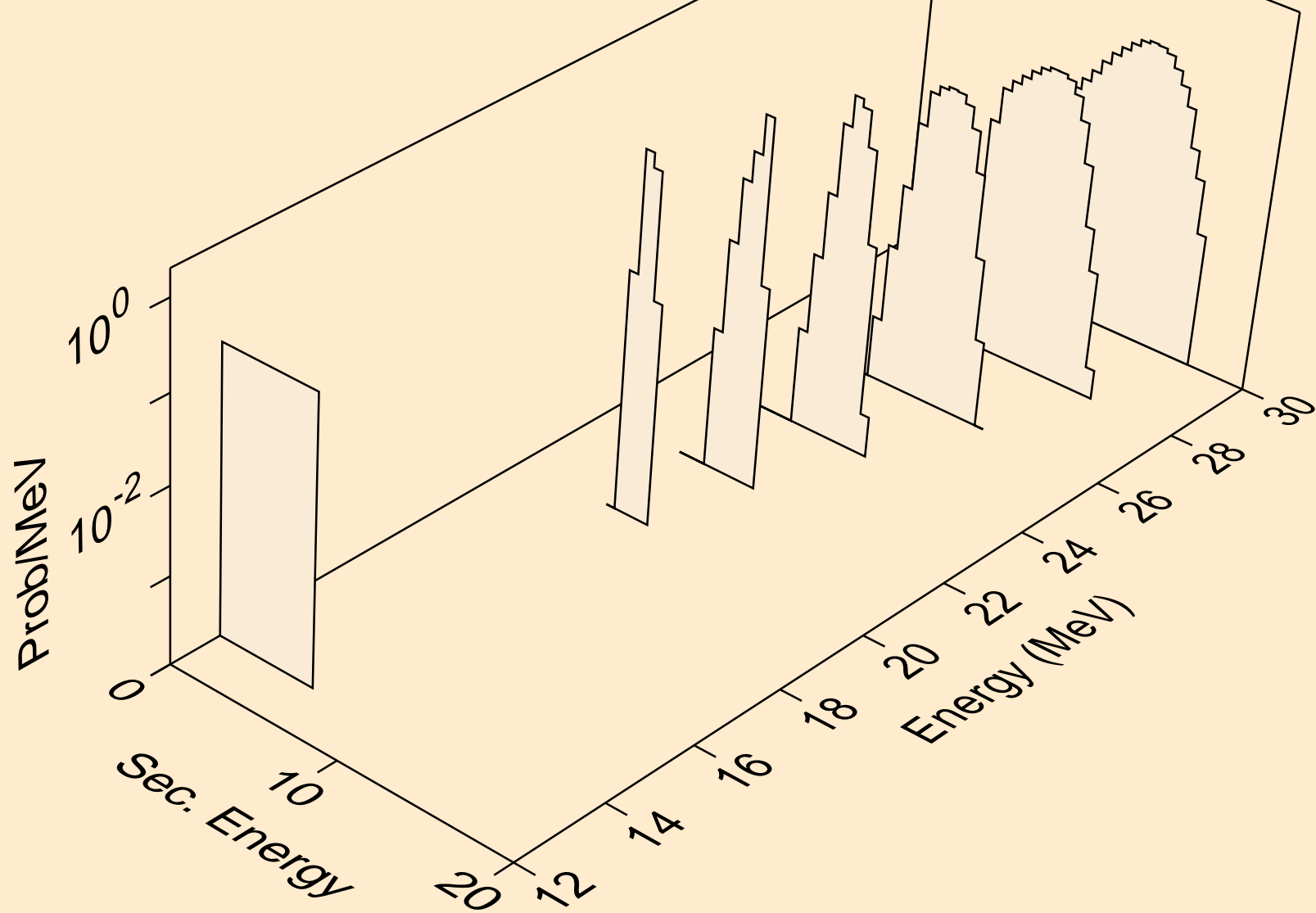
HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,n\*)3a



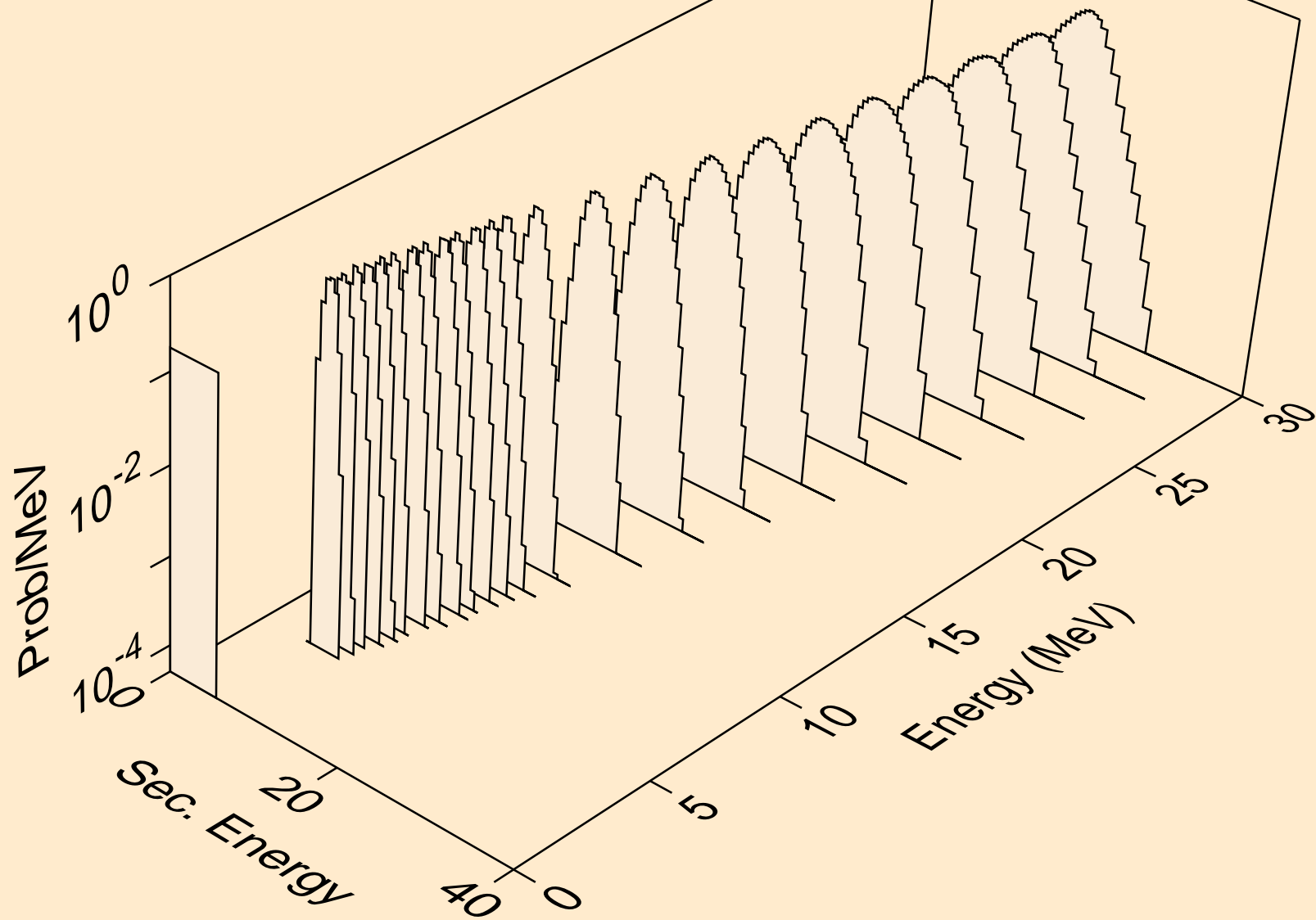
HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2n)a



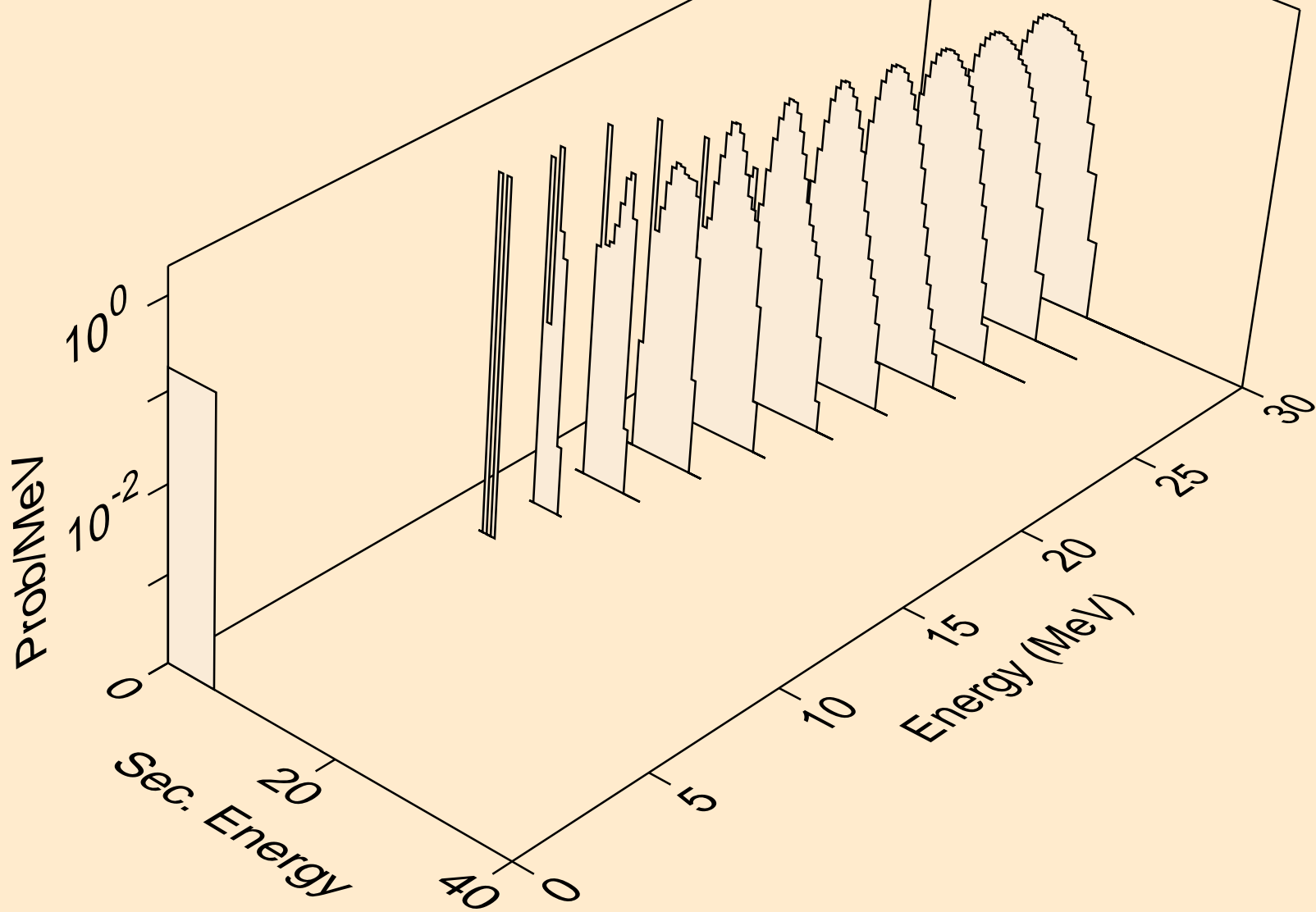
HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,3n)a



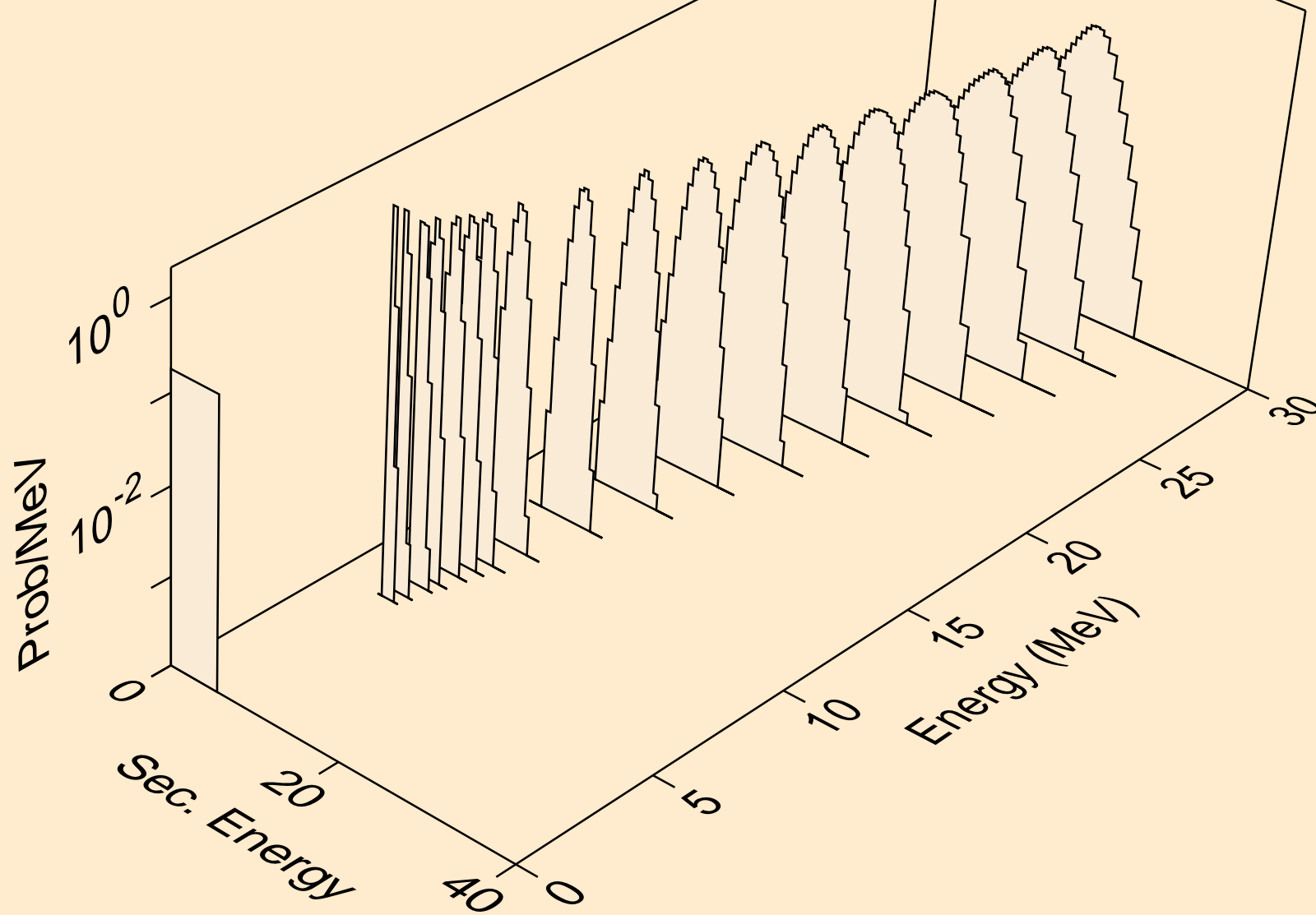
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alphas from (n,n\*)2a



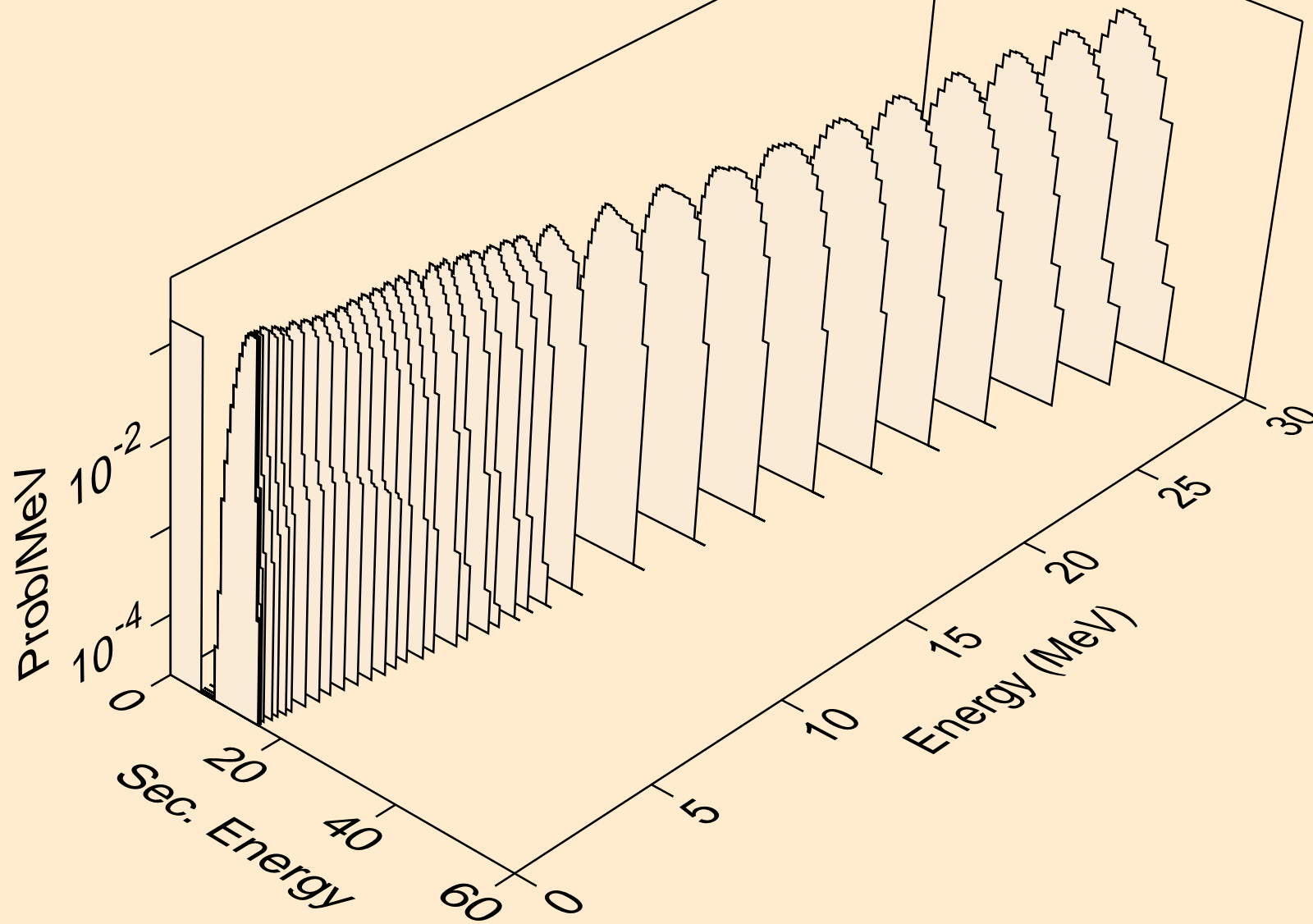
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alphas from (n,2n)2a



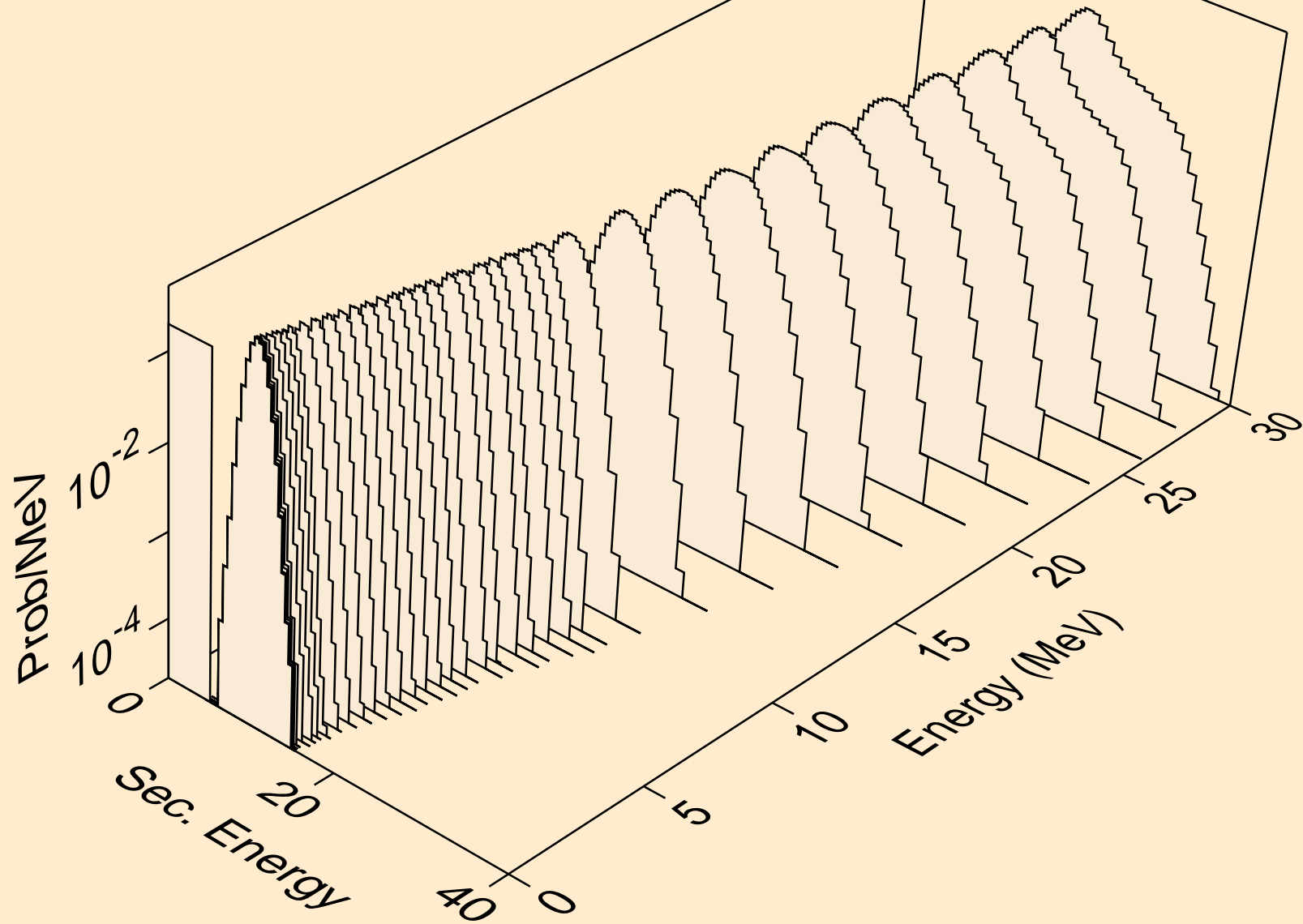
HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,npa)



HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,a)

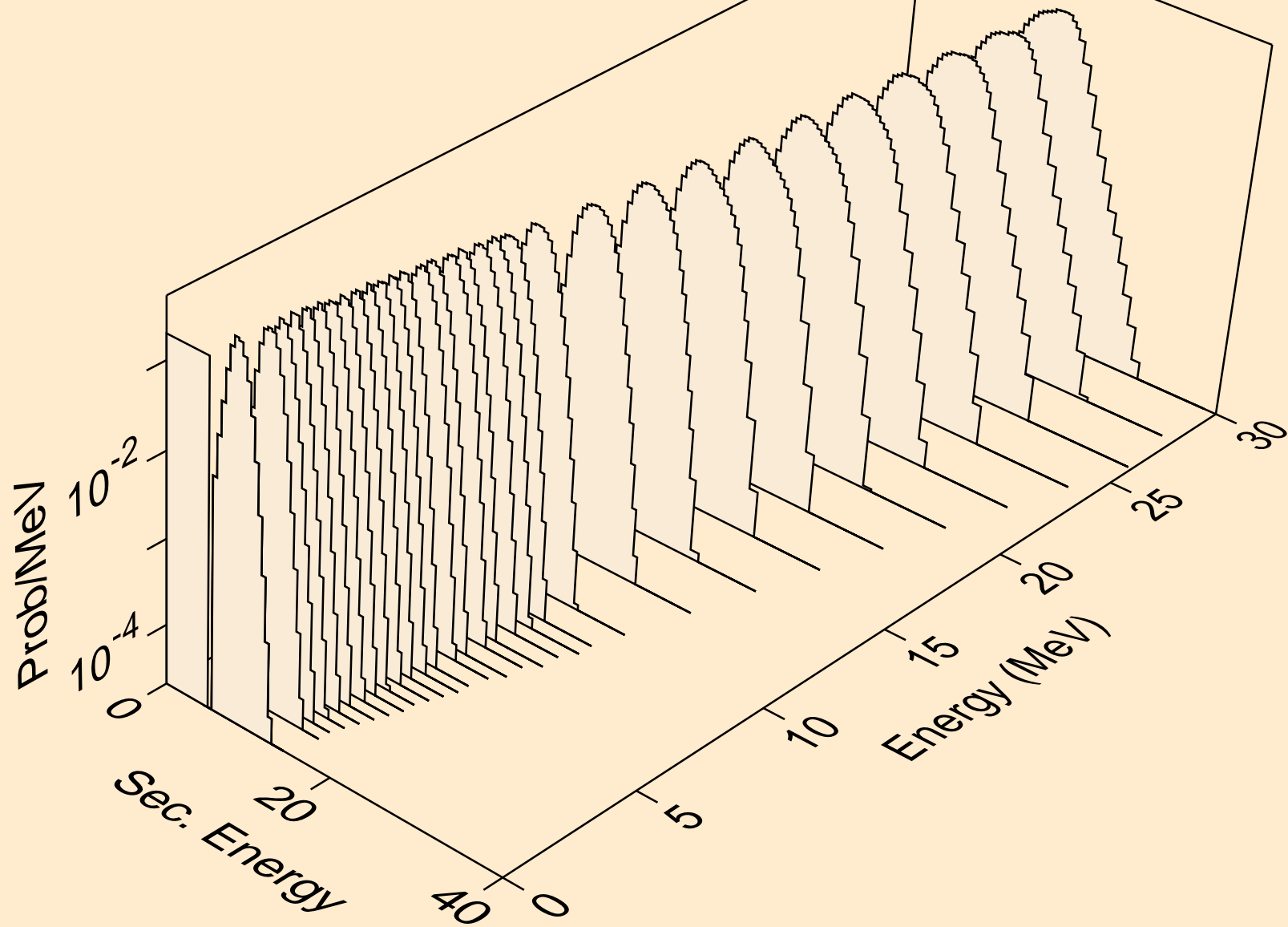


HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2a)

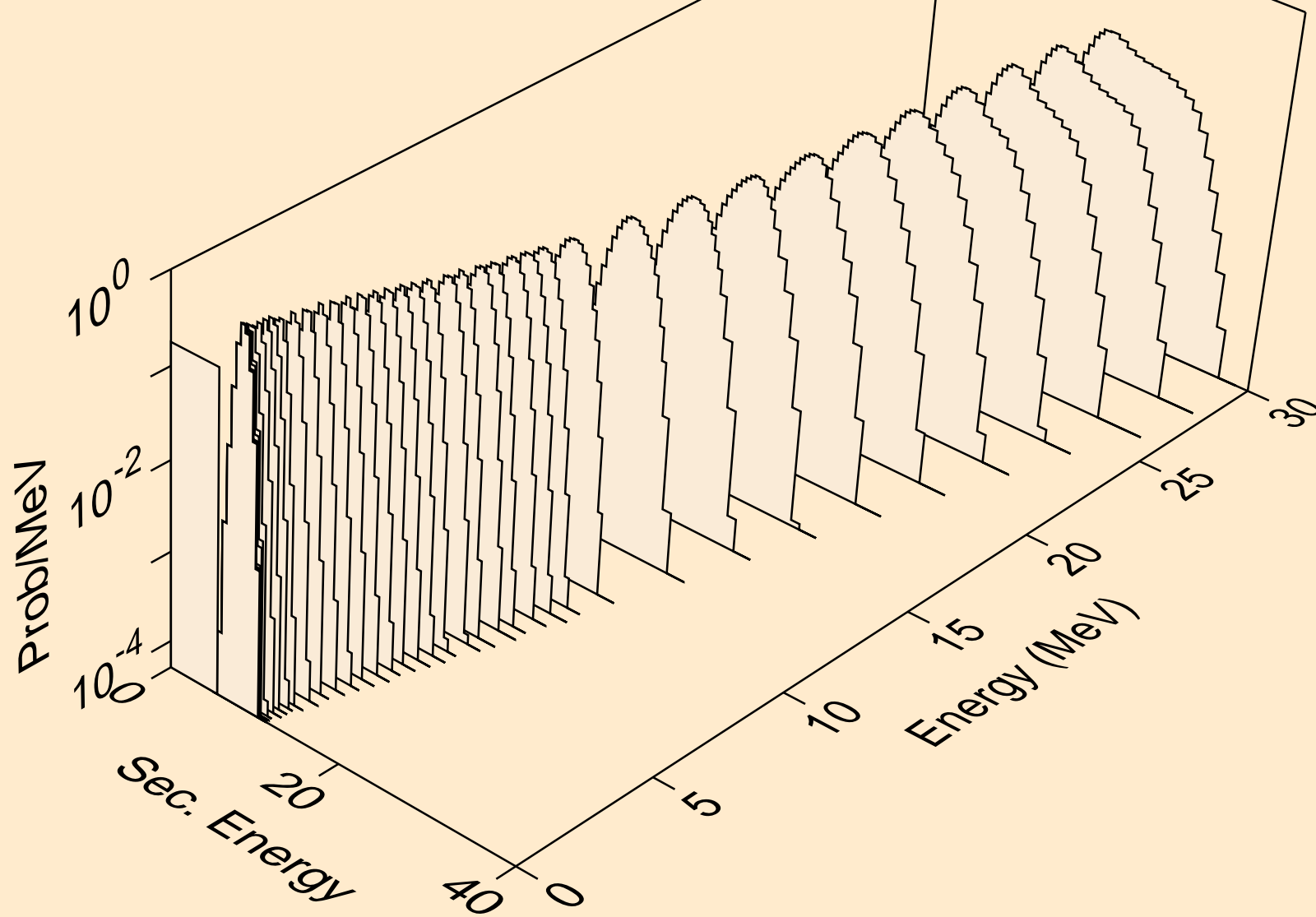




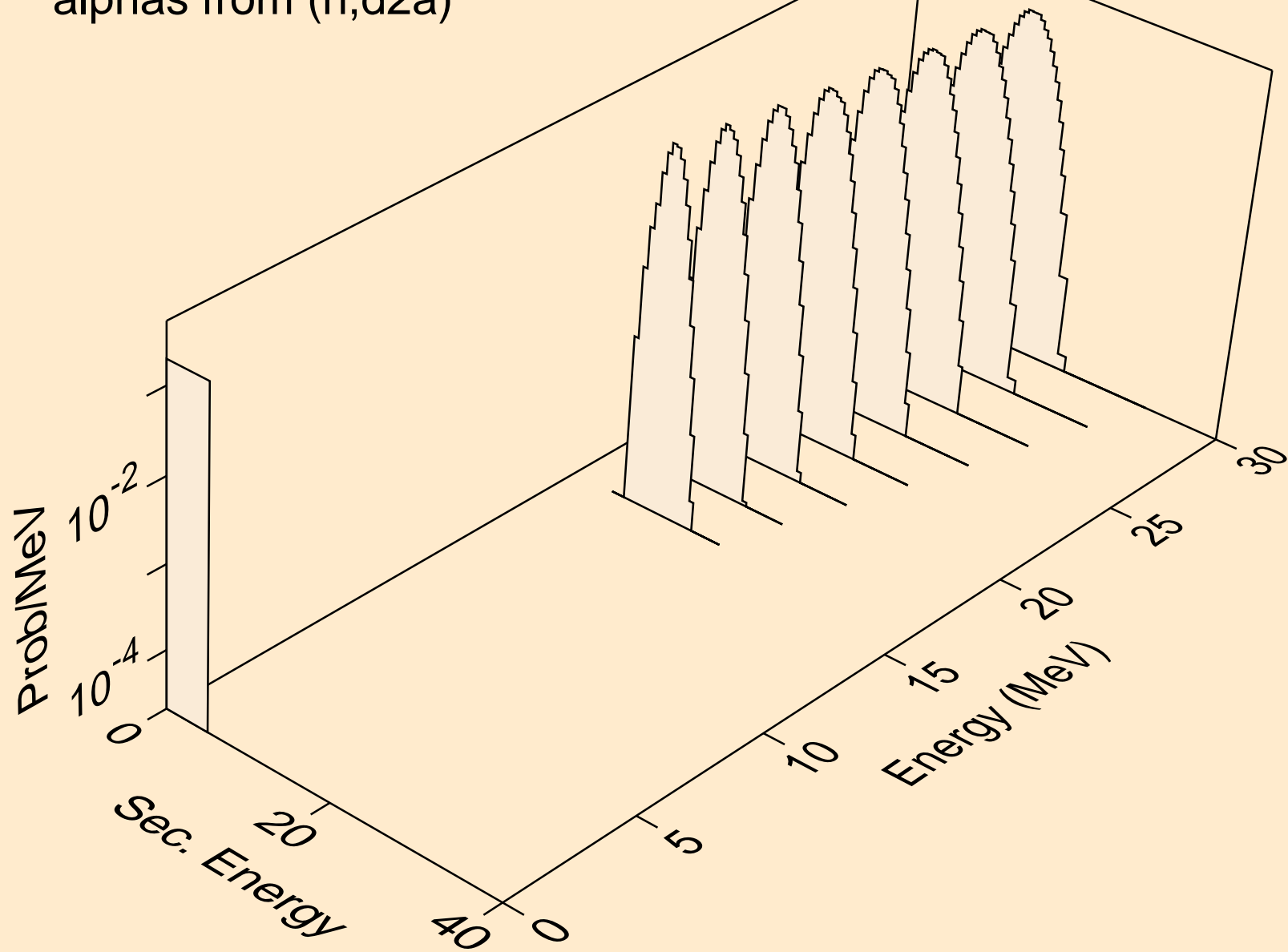
HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,3a)



HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,pa)



HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,d2a)



HG183 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,da)

