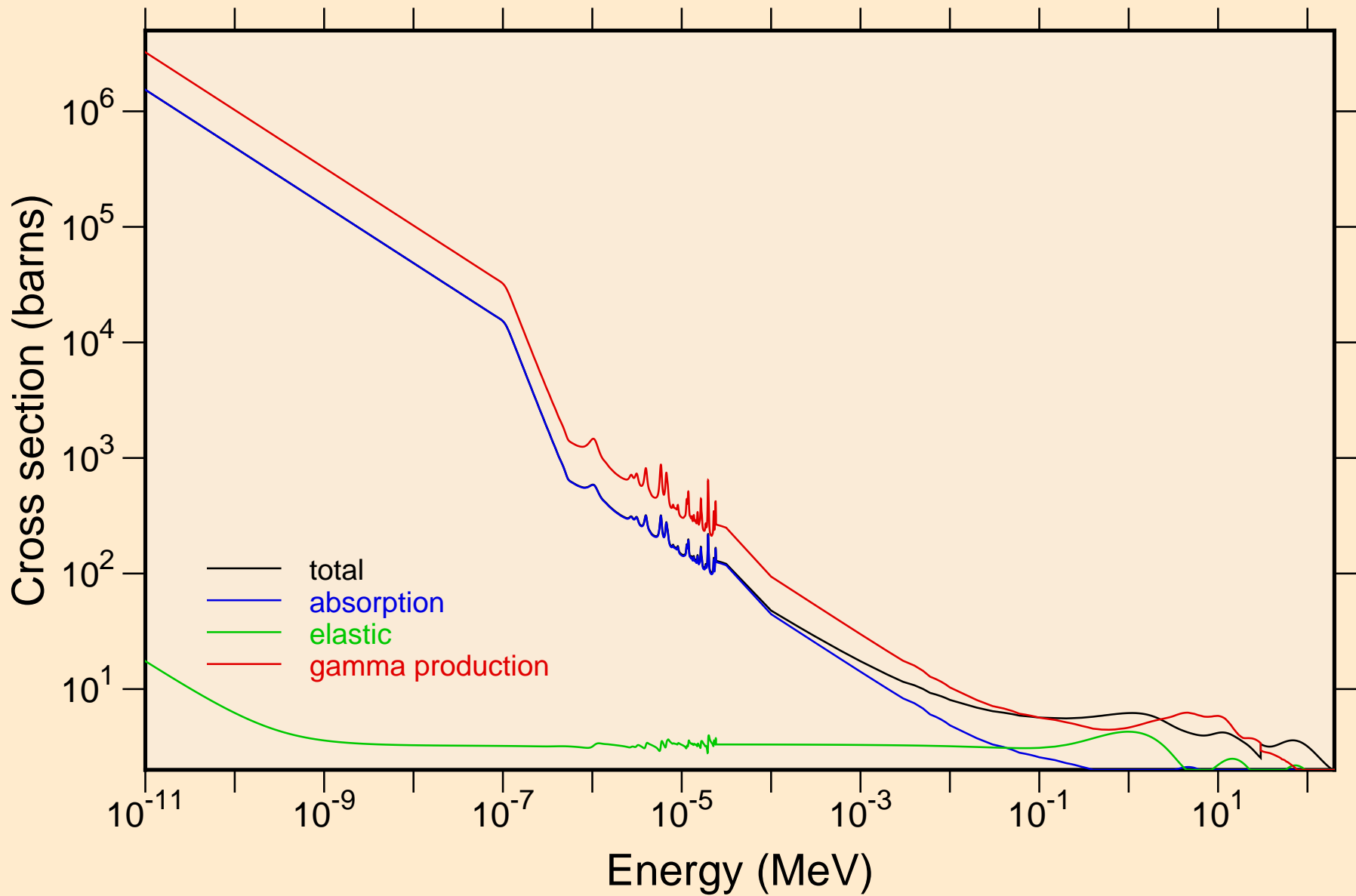
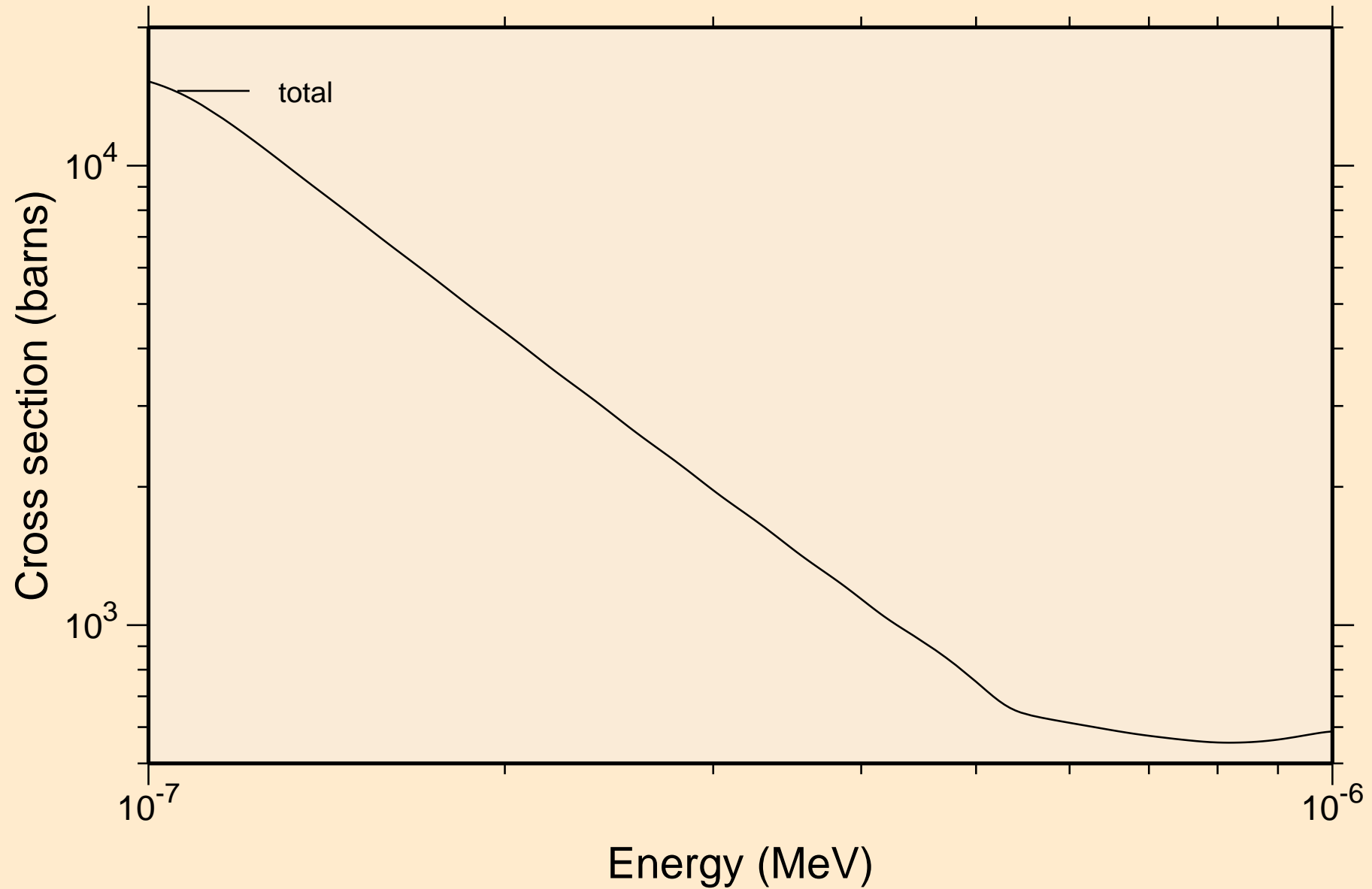


# CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

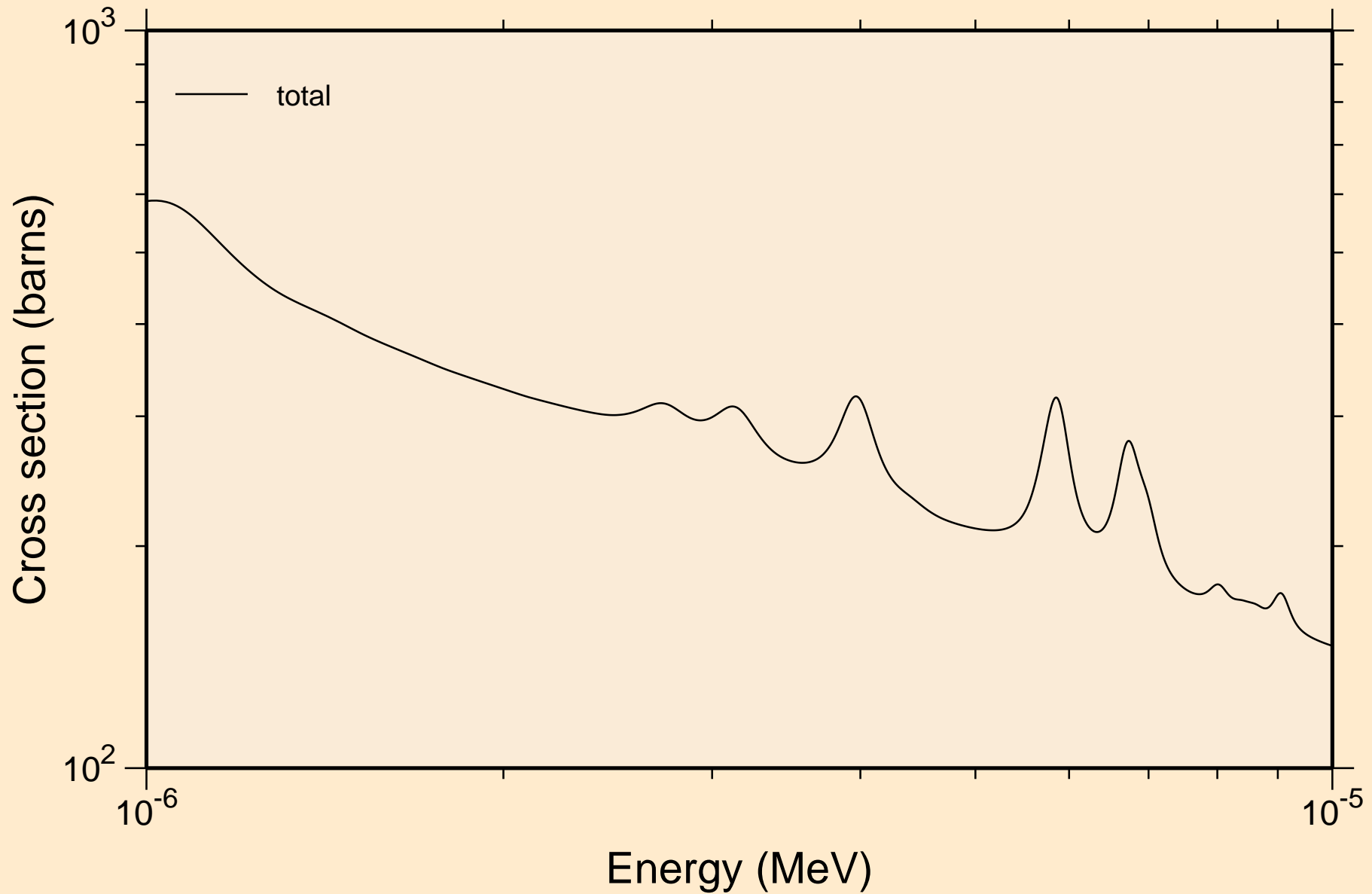
## Principal cross sections



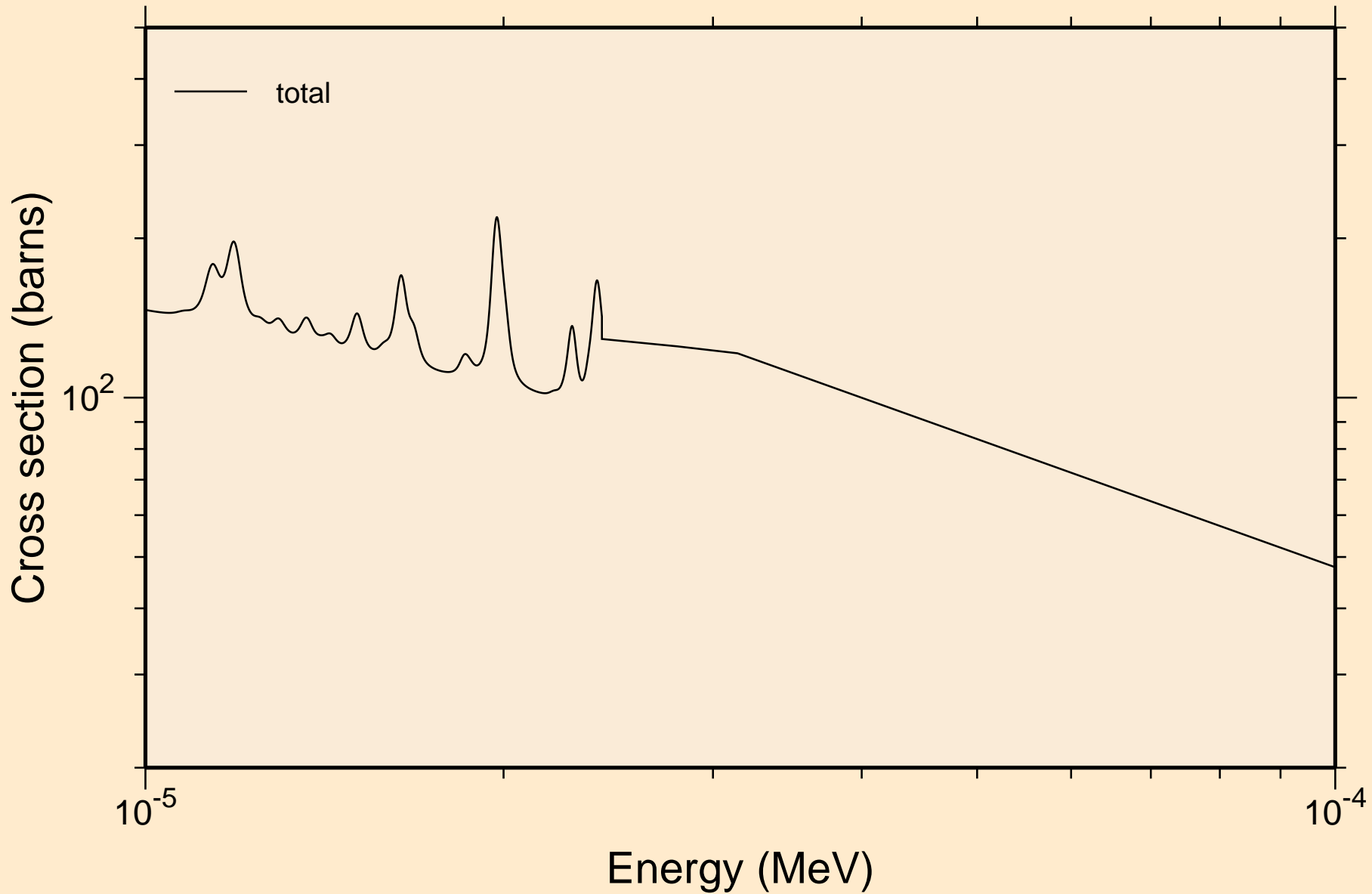
CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



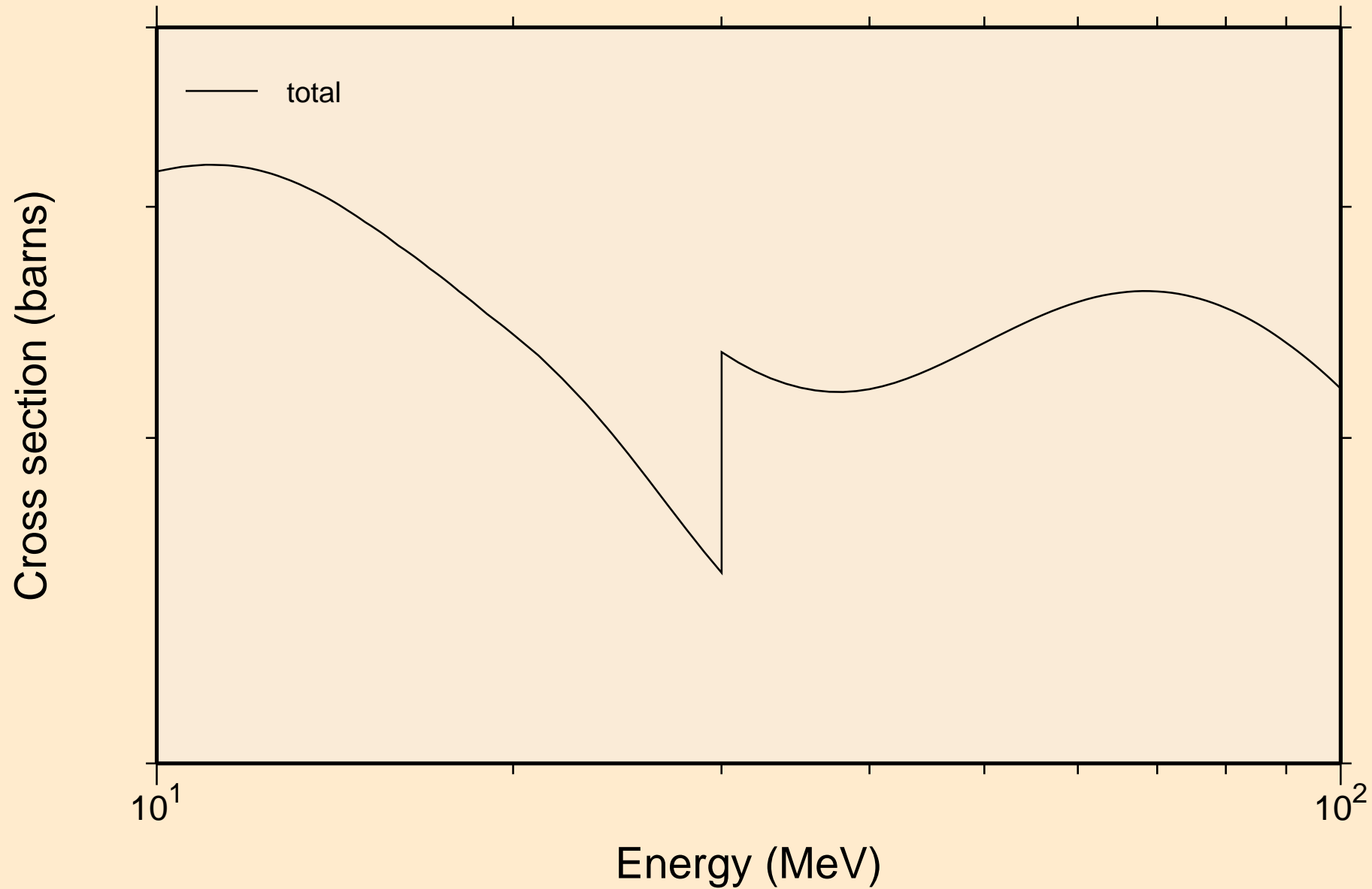
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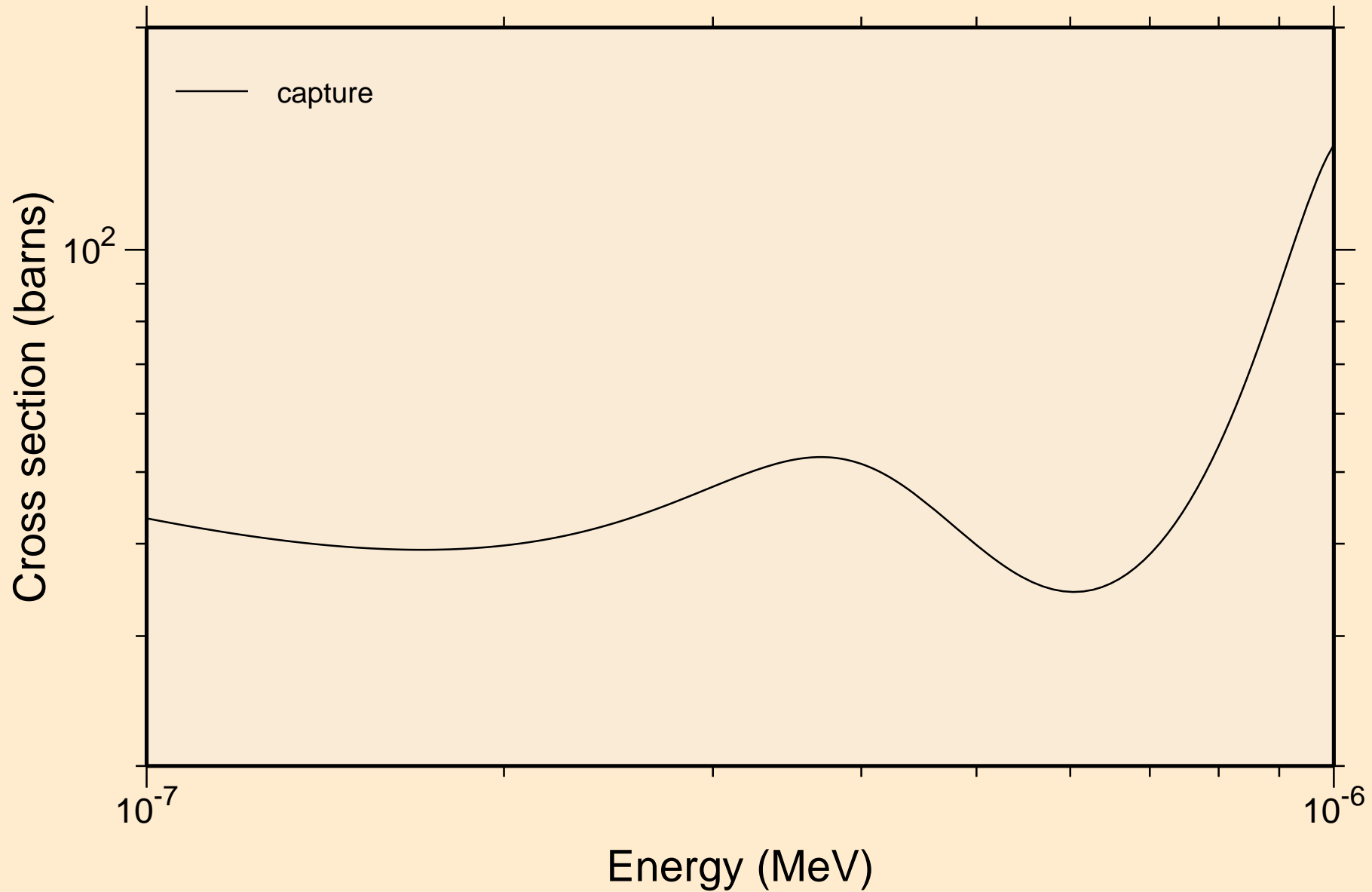
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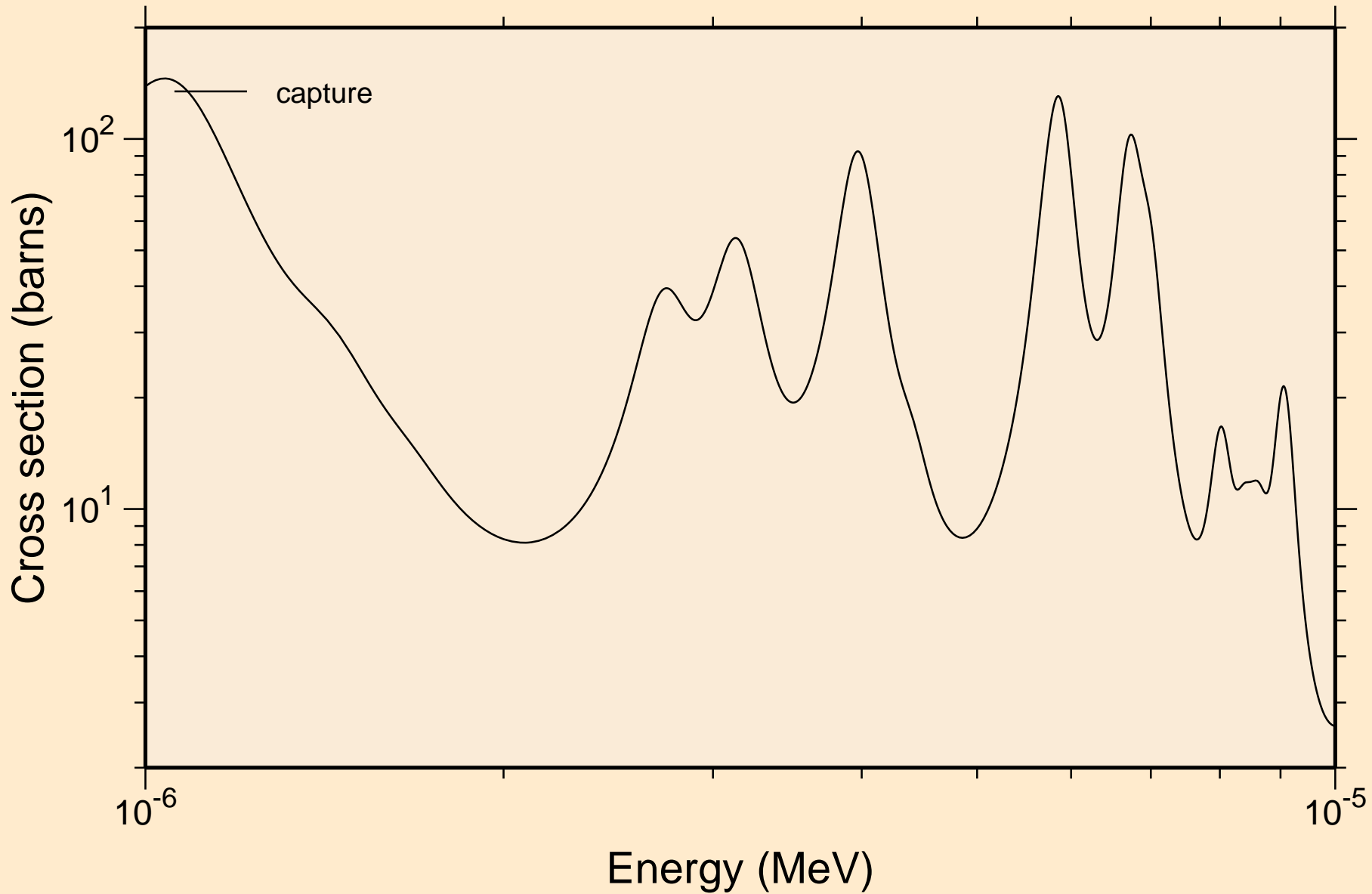
Cs115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



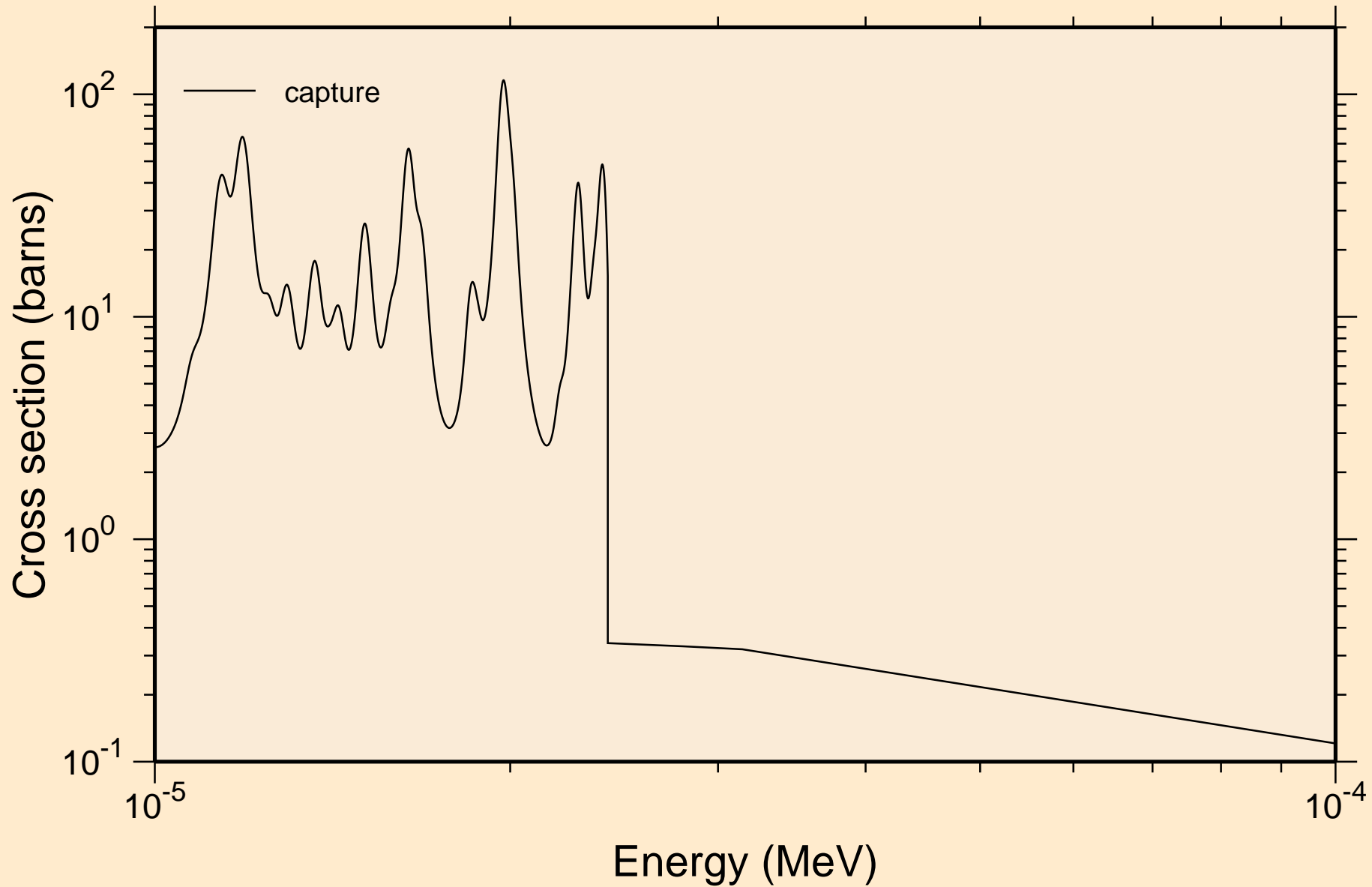
CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections

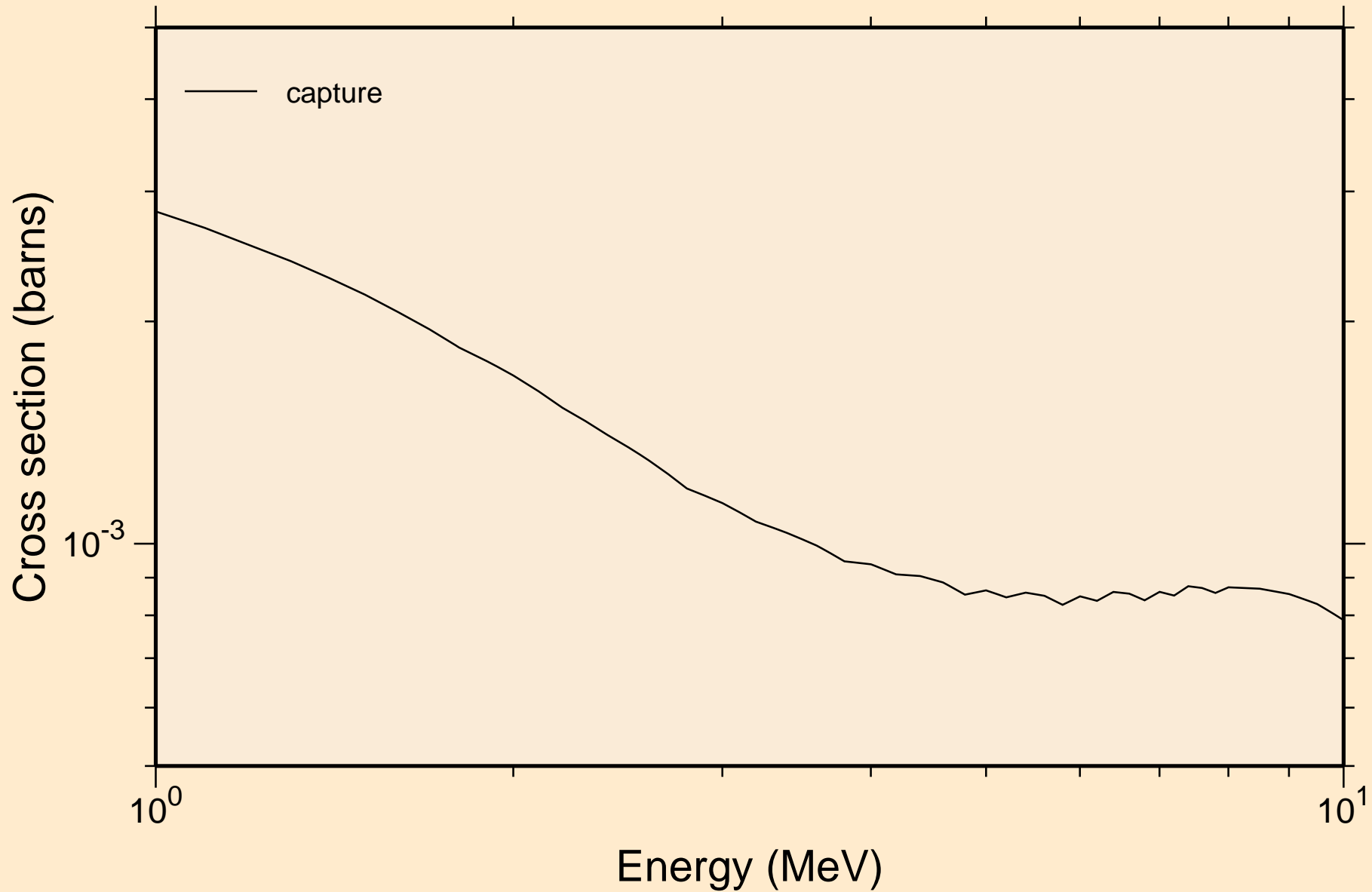


CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections

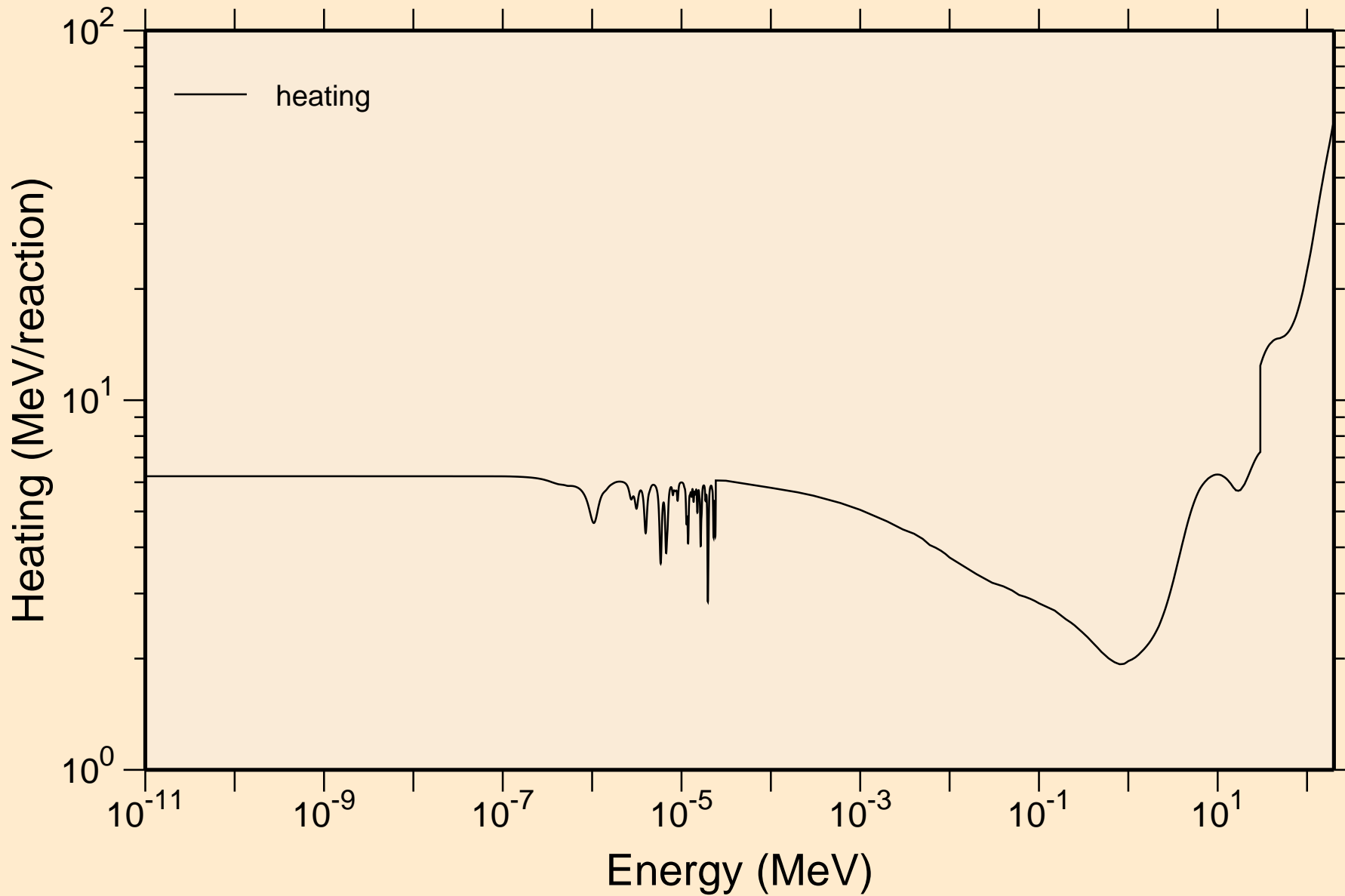




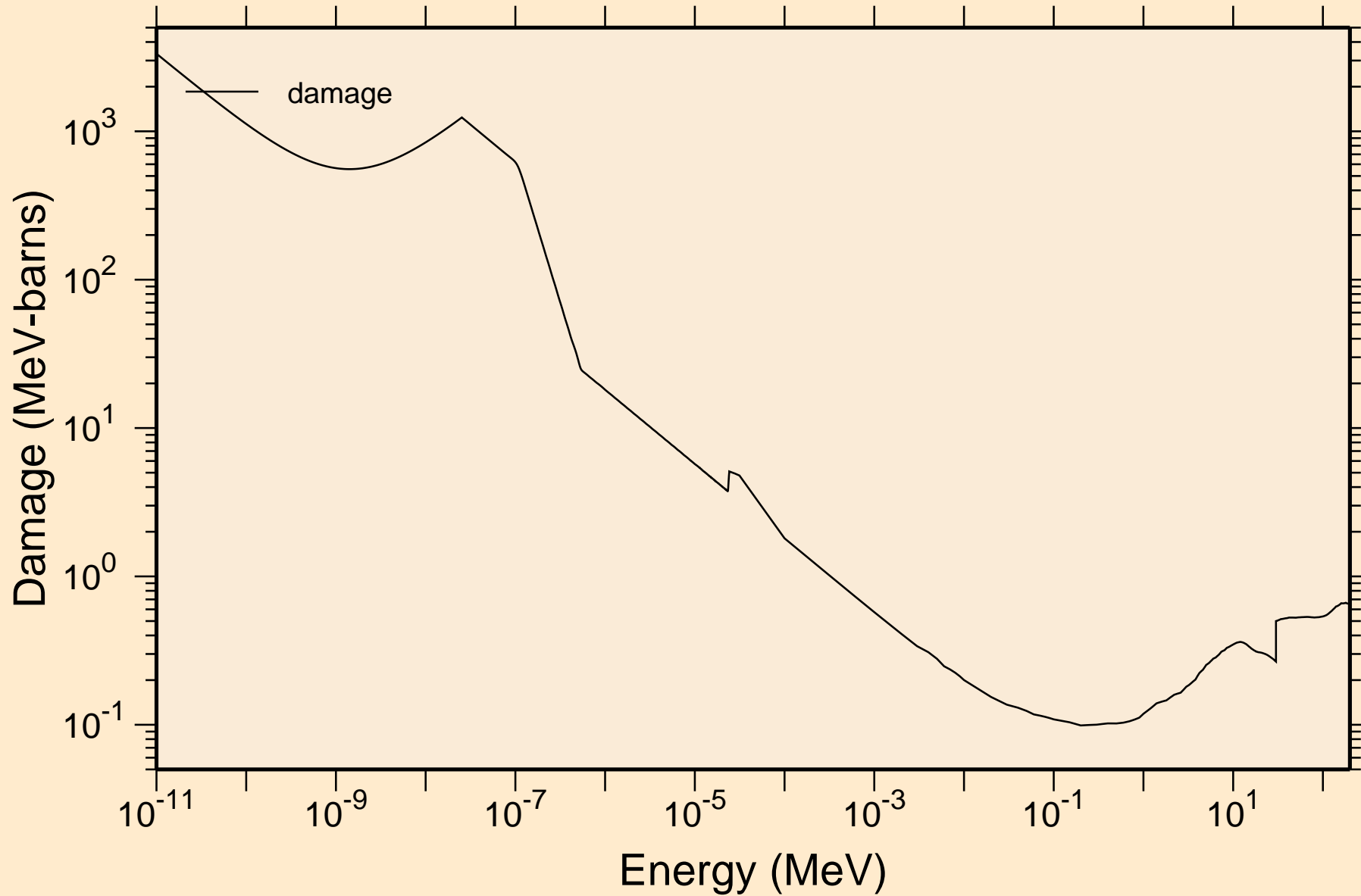
CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



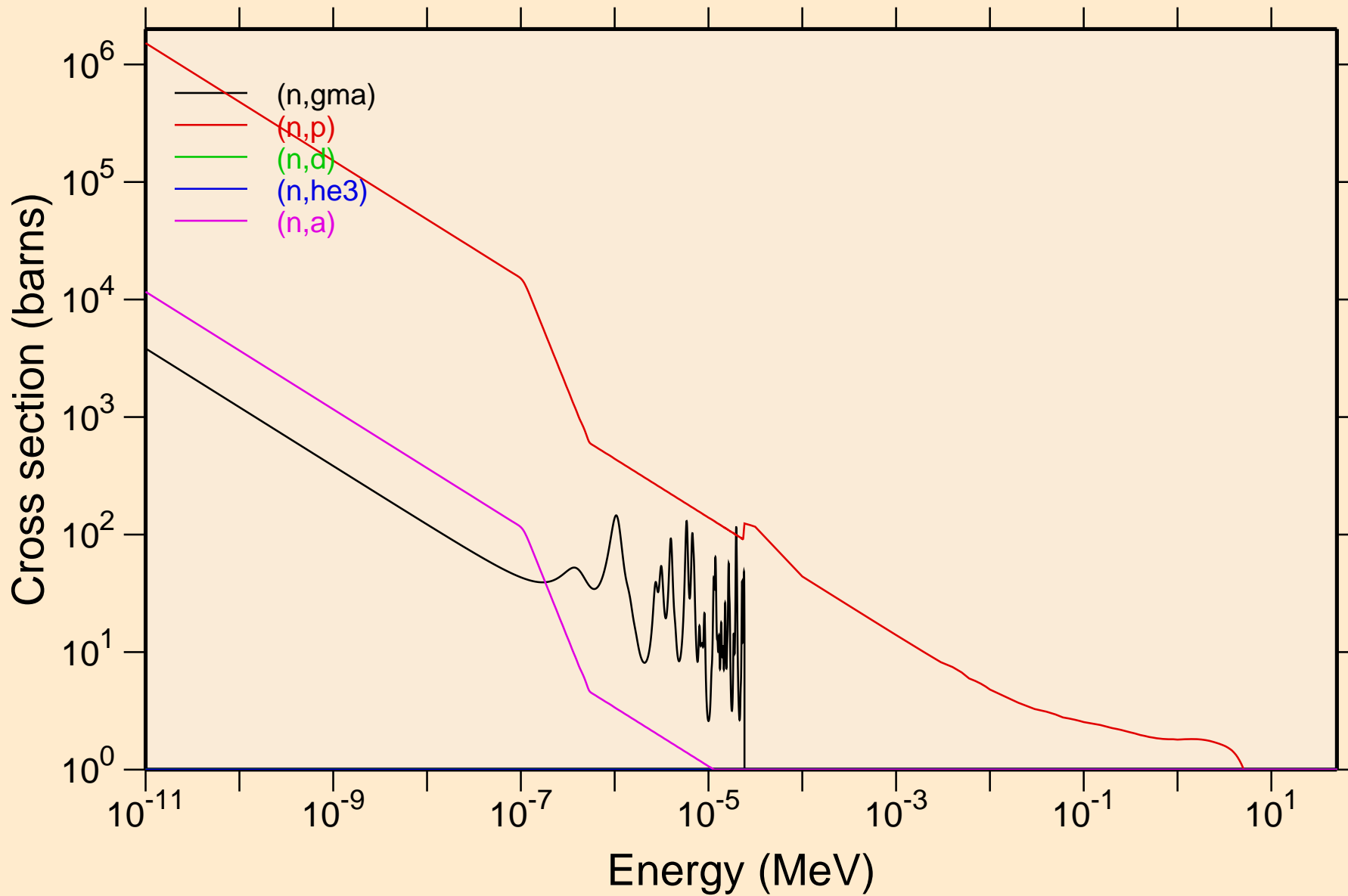
CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Heating



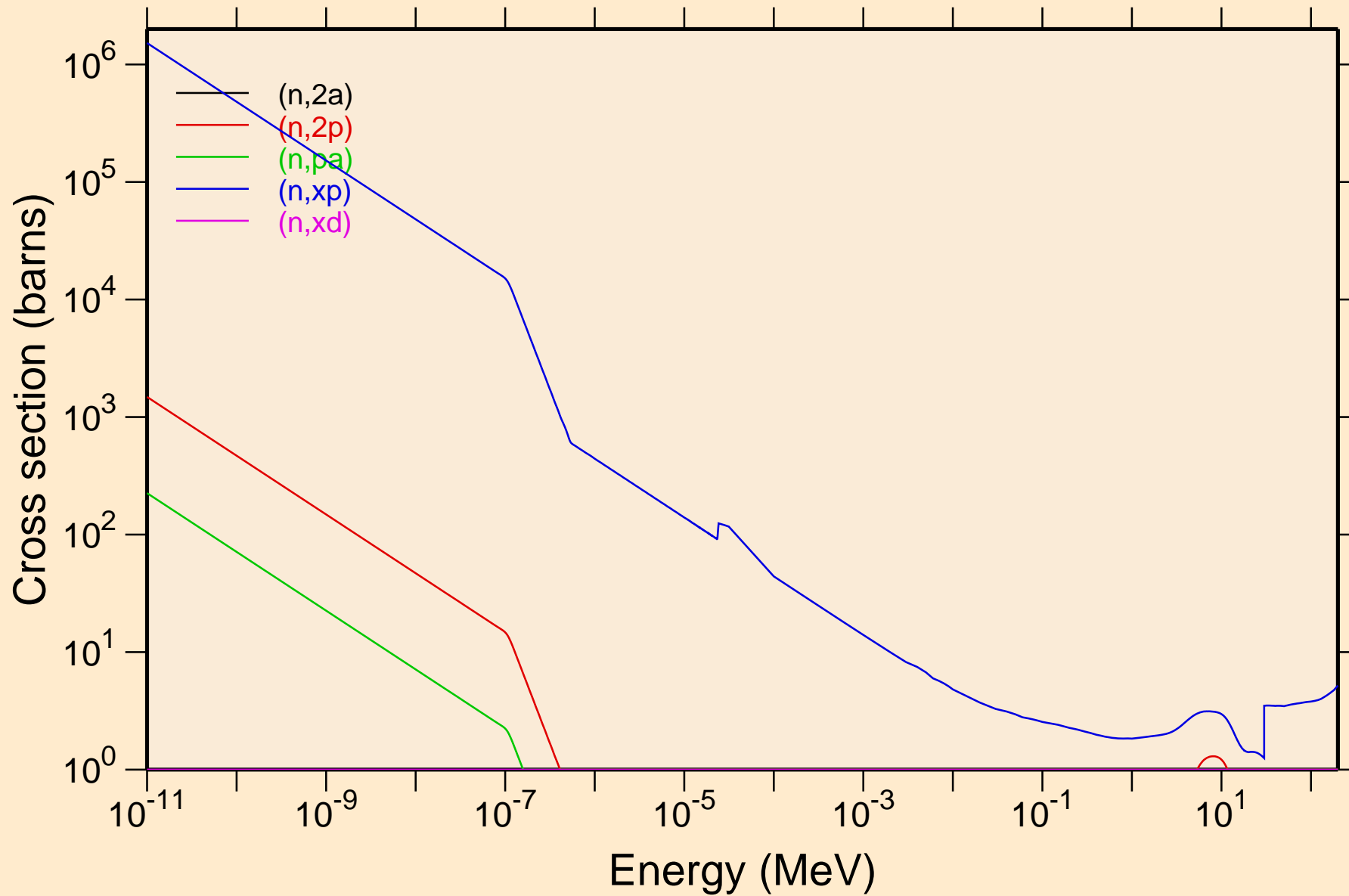
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Damage



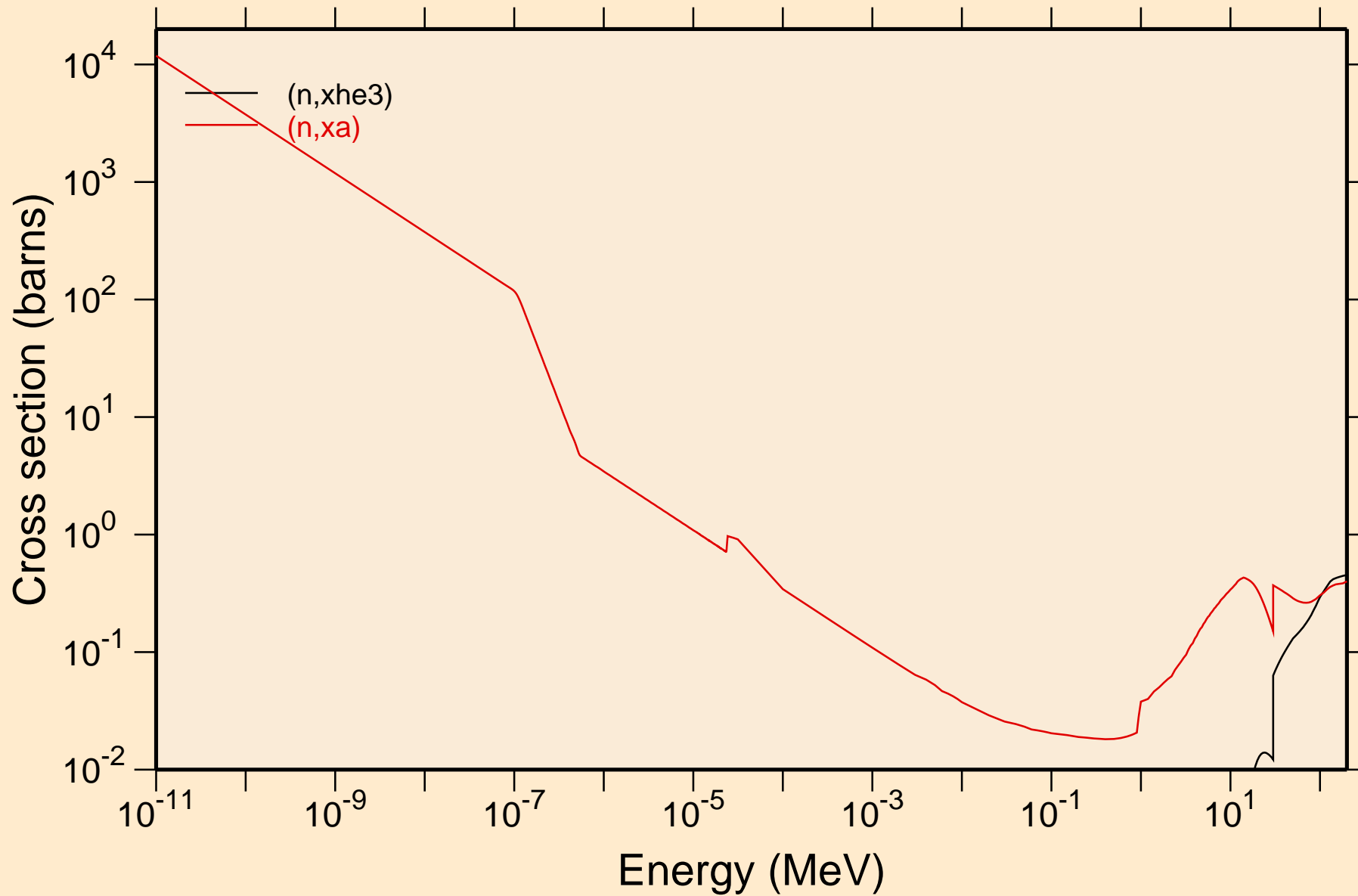
CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions



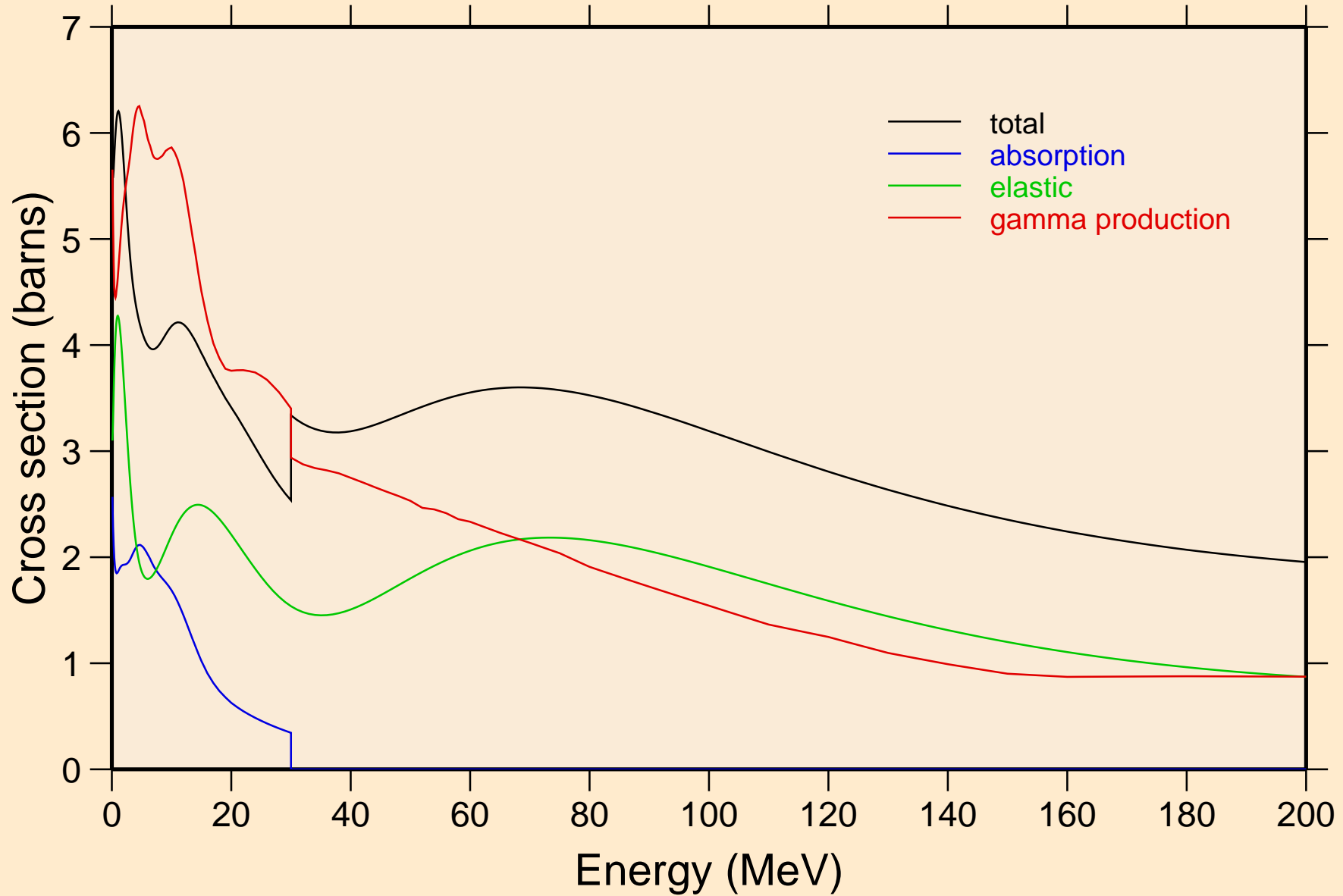
CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions



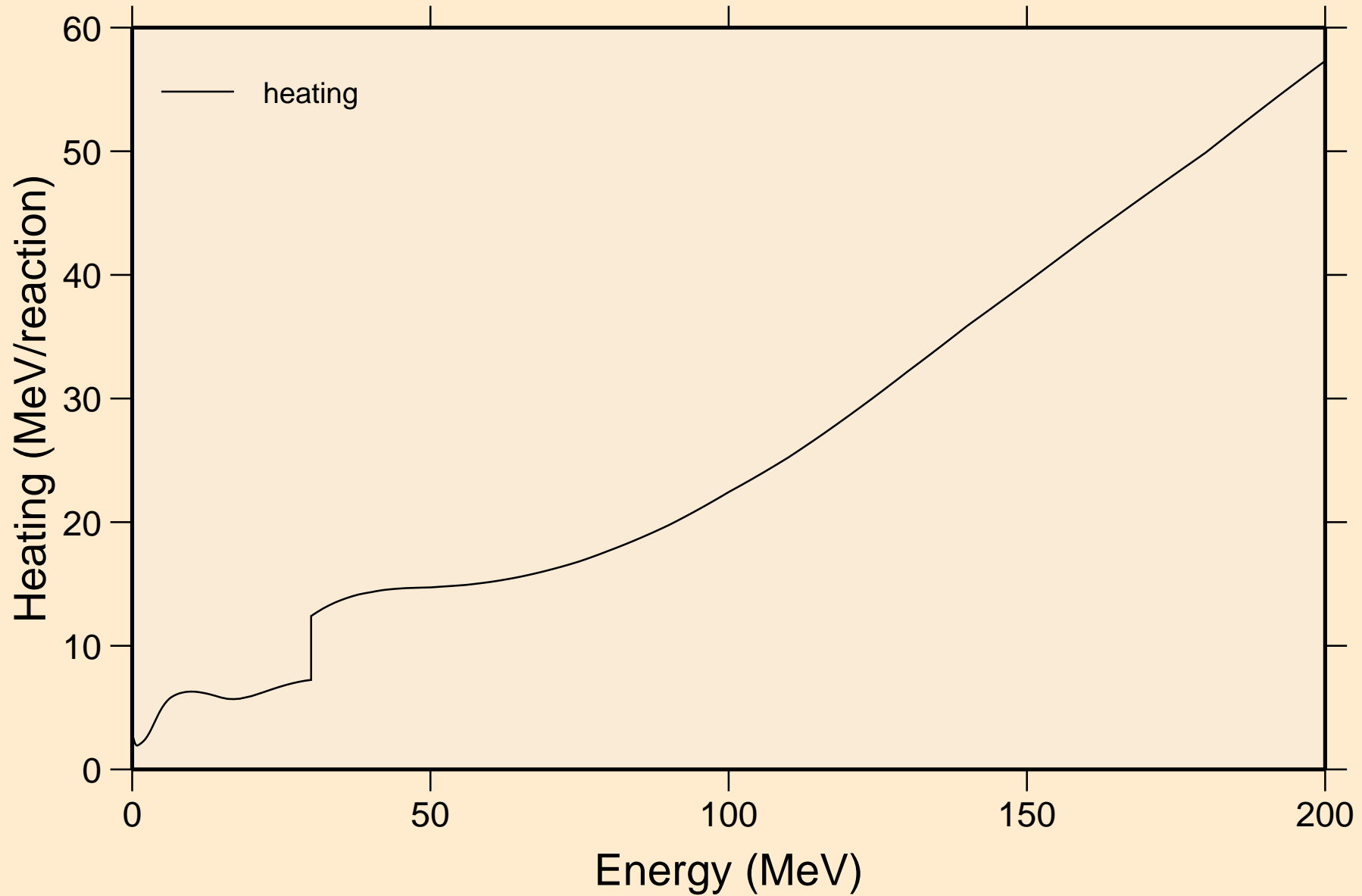
CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions



CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Principal cross sections

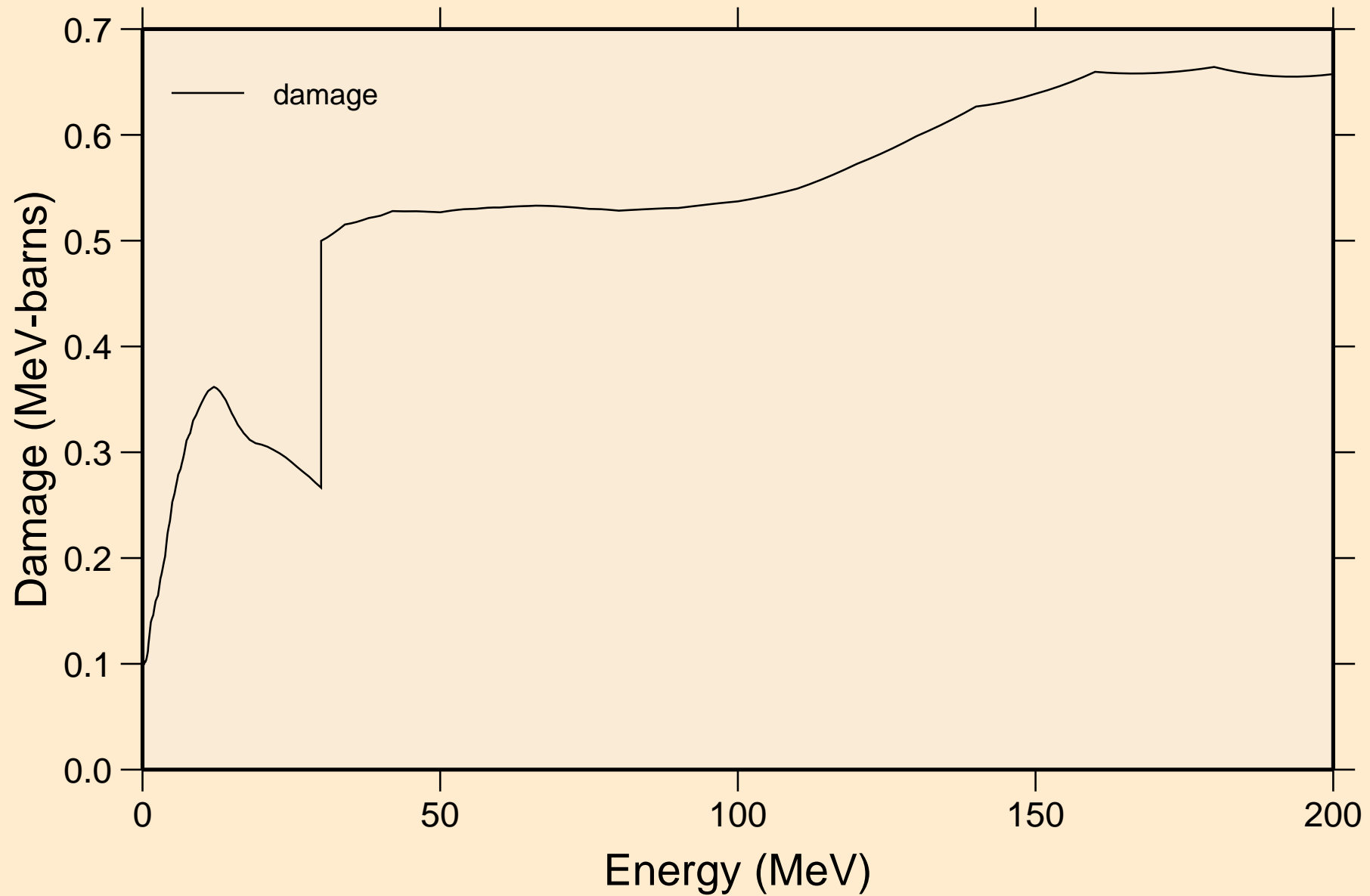


CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Heating



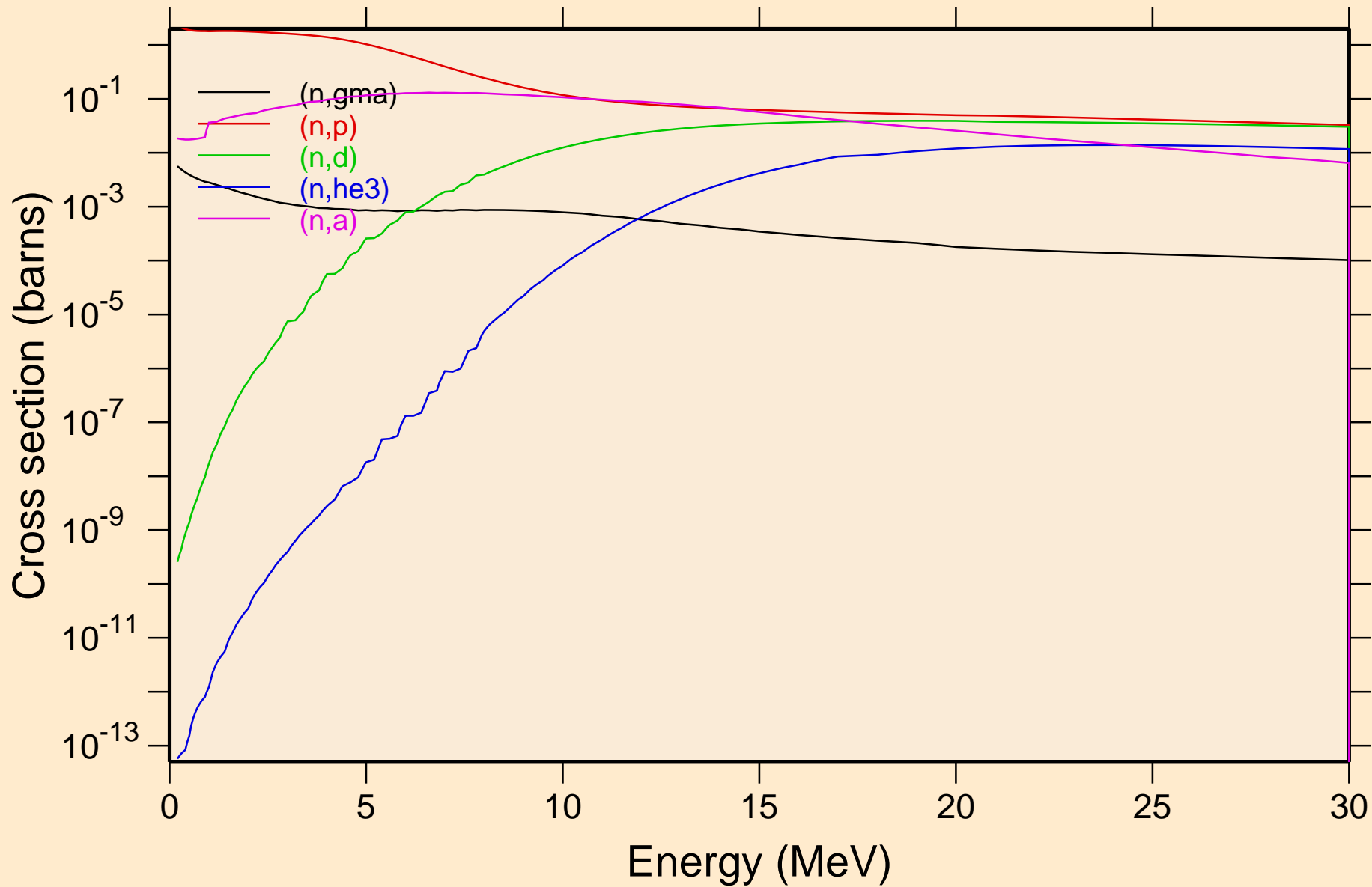


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Damage

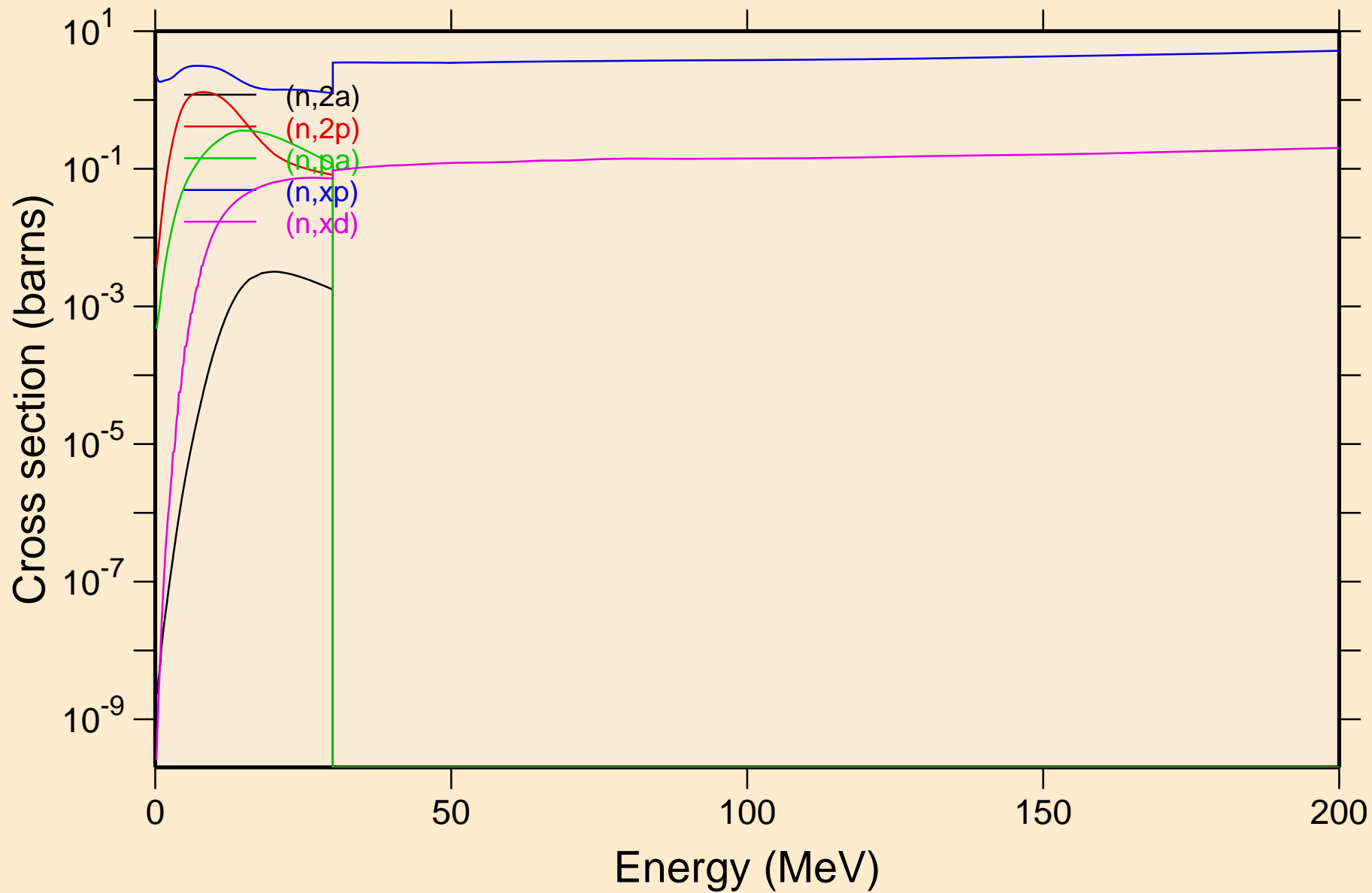


# CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

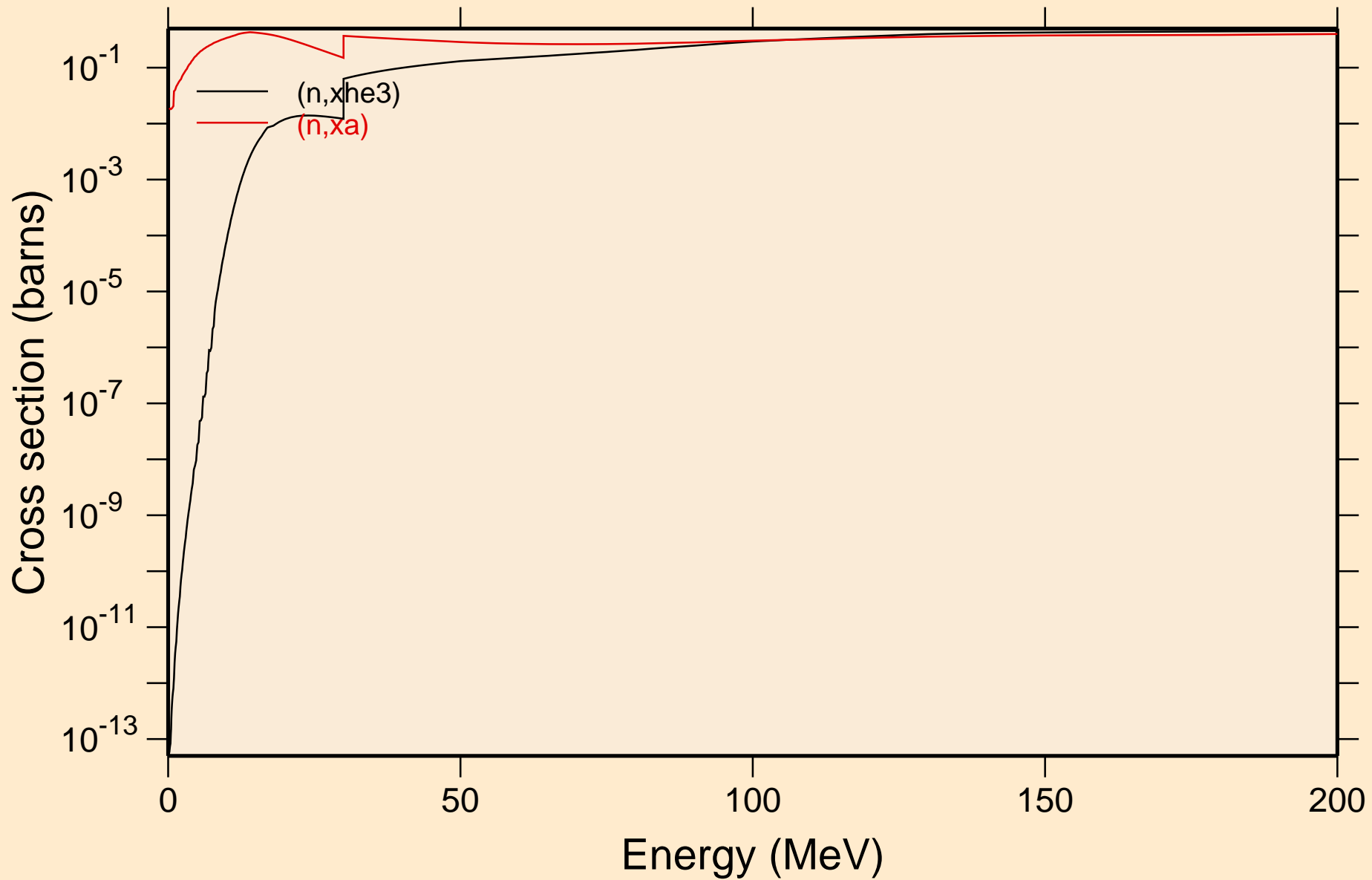
## Non-threshold reactions



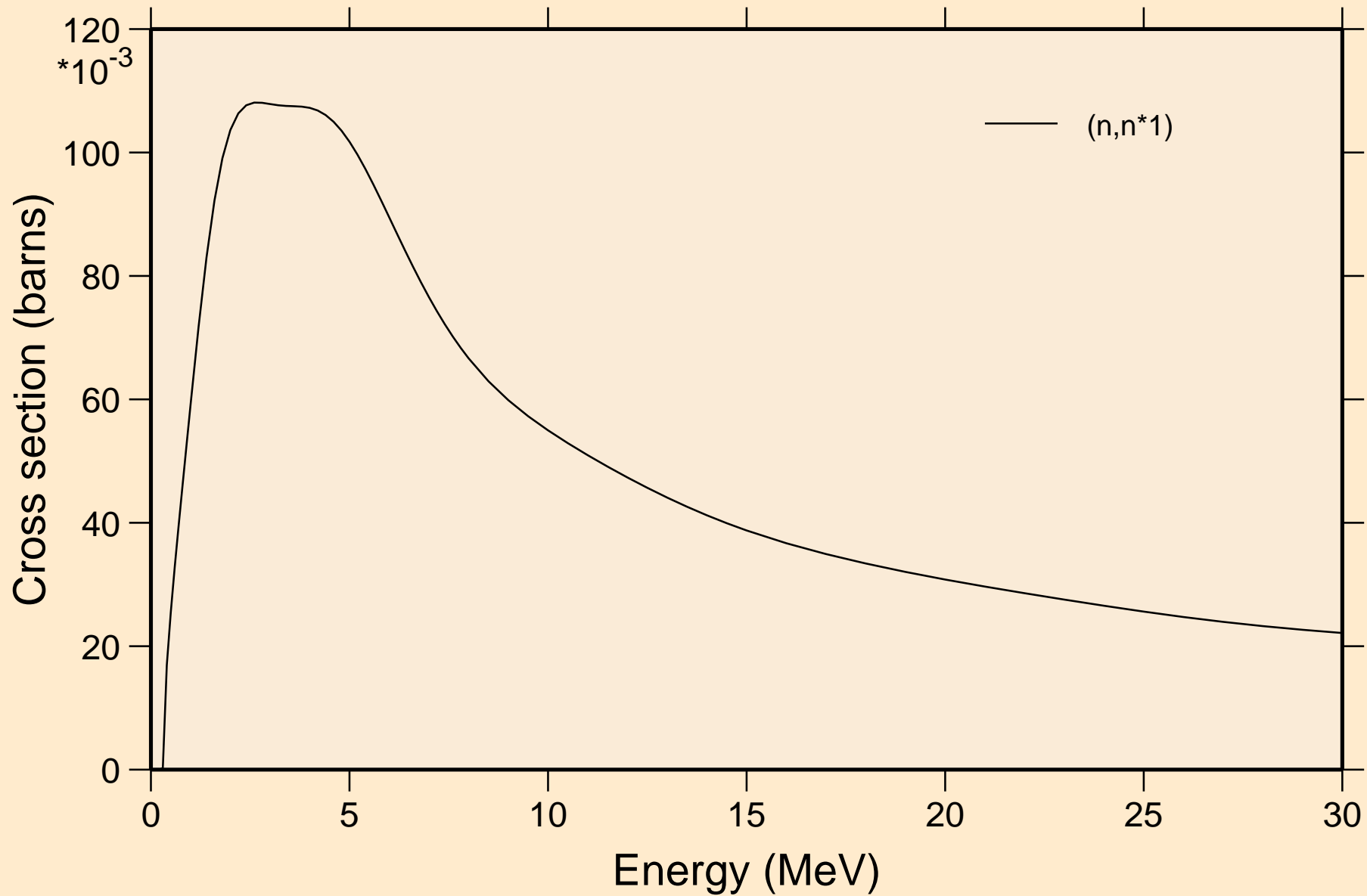
CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions



CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions

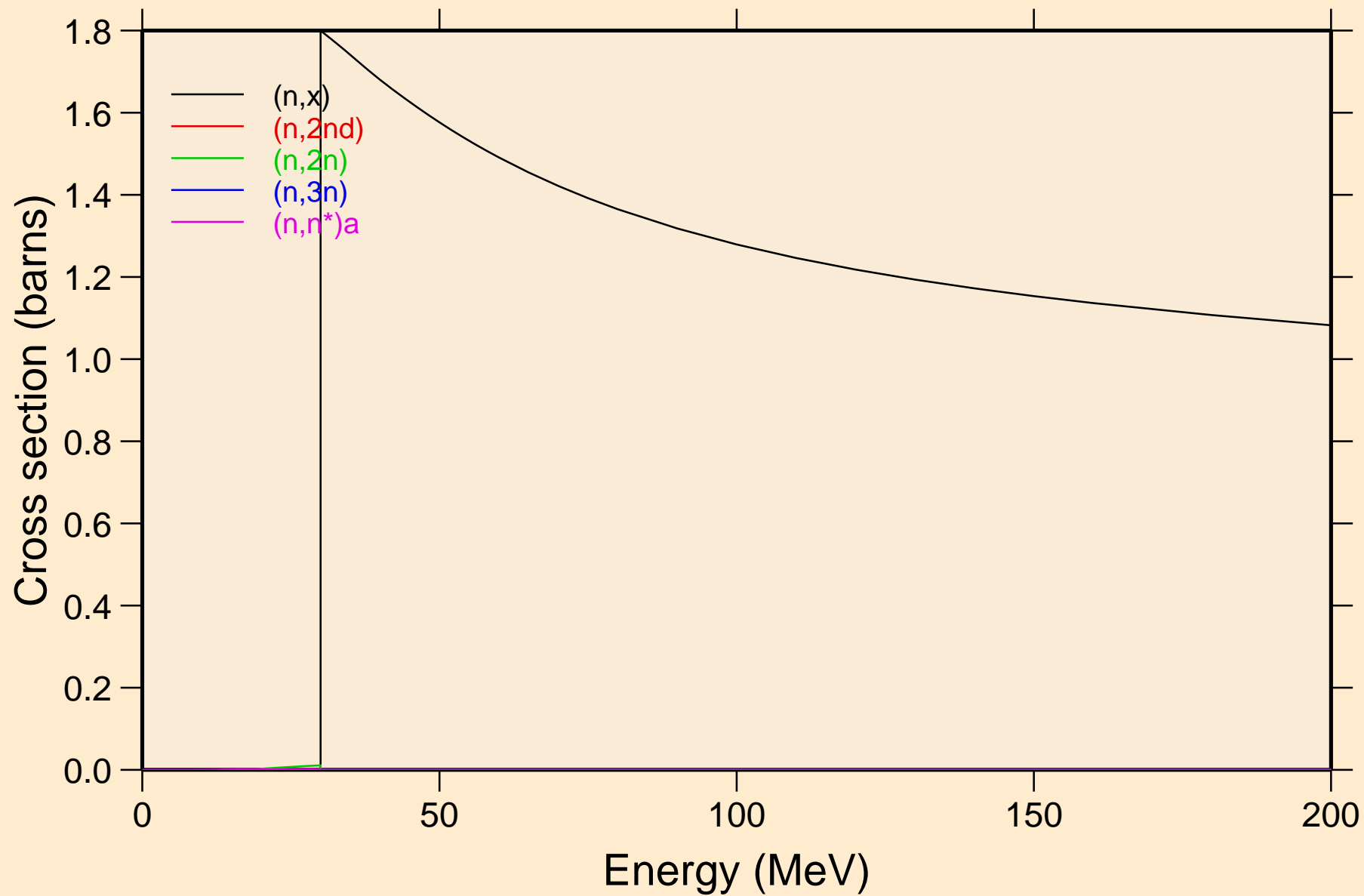


CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



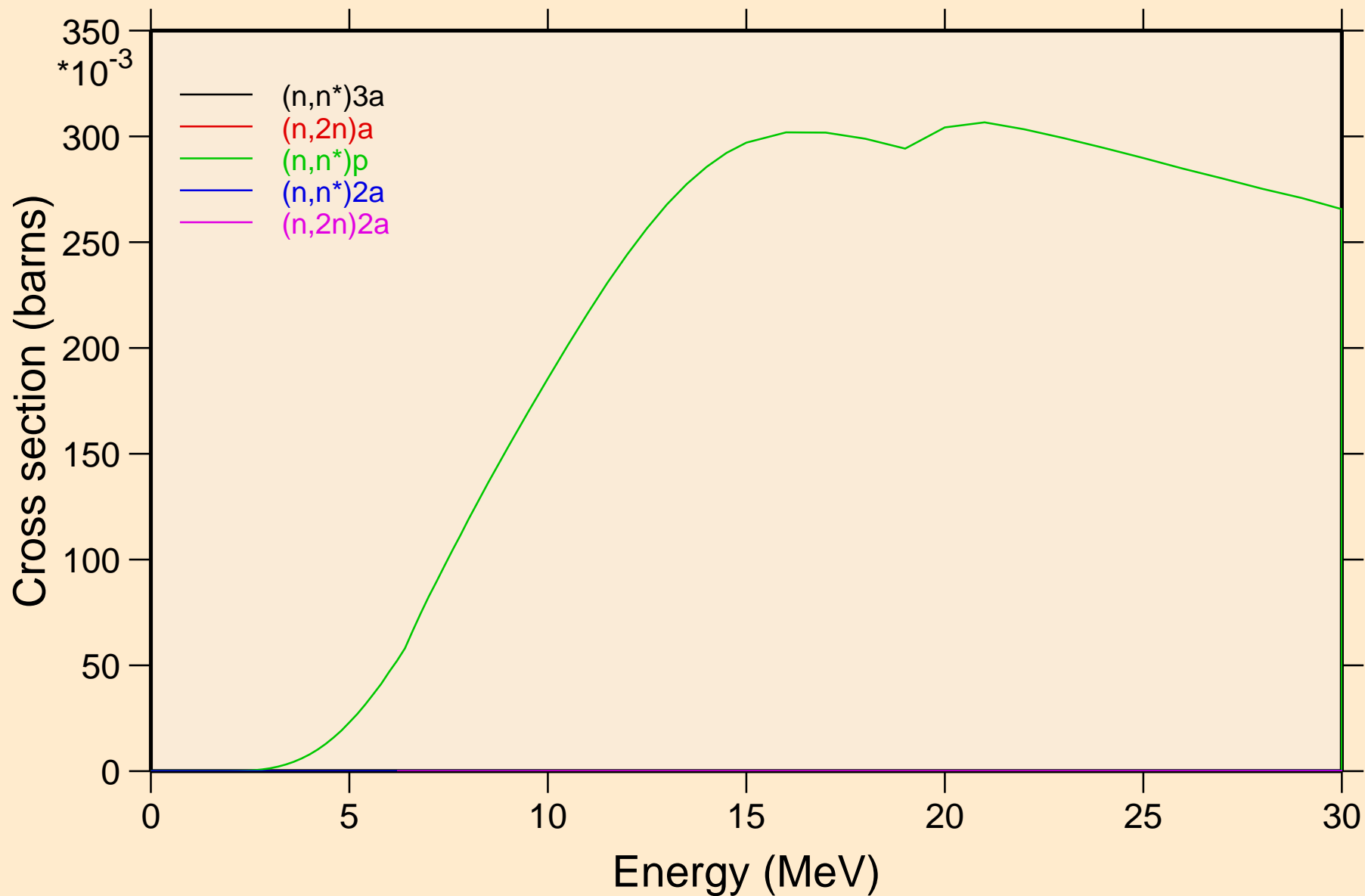
# CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Threshold reactions



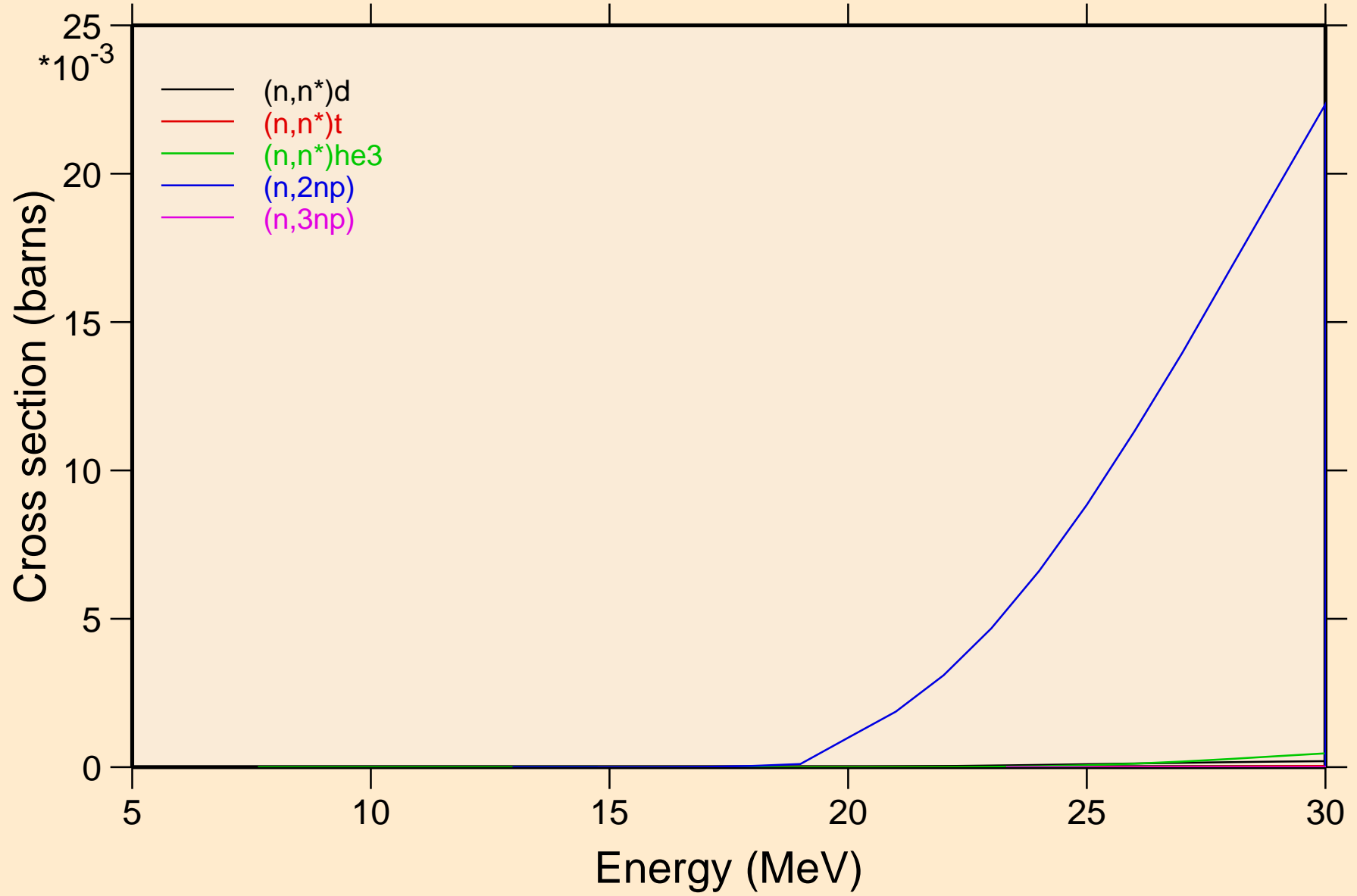
# CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Threshold reactions



# CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

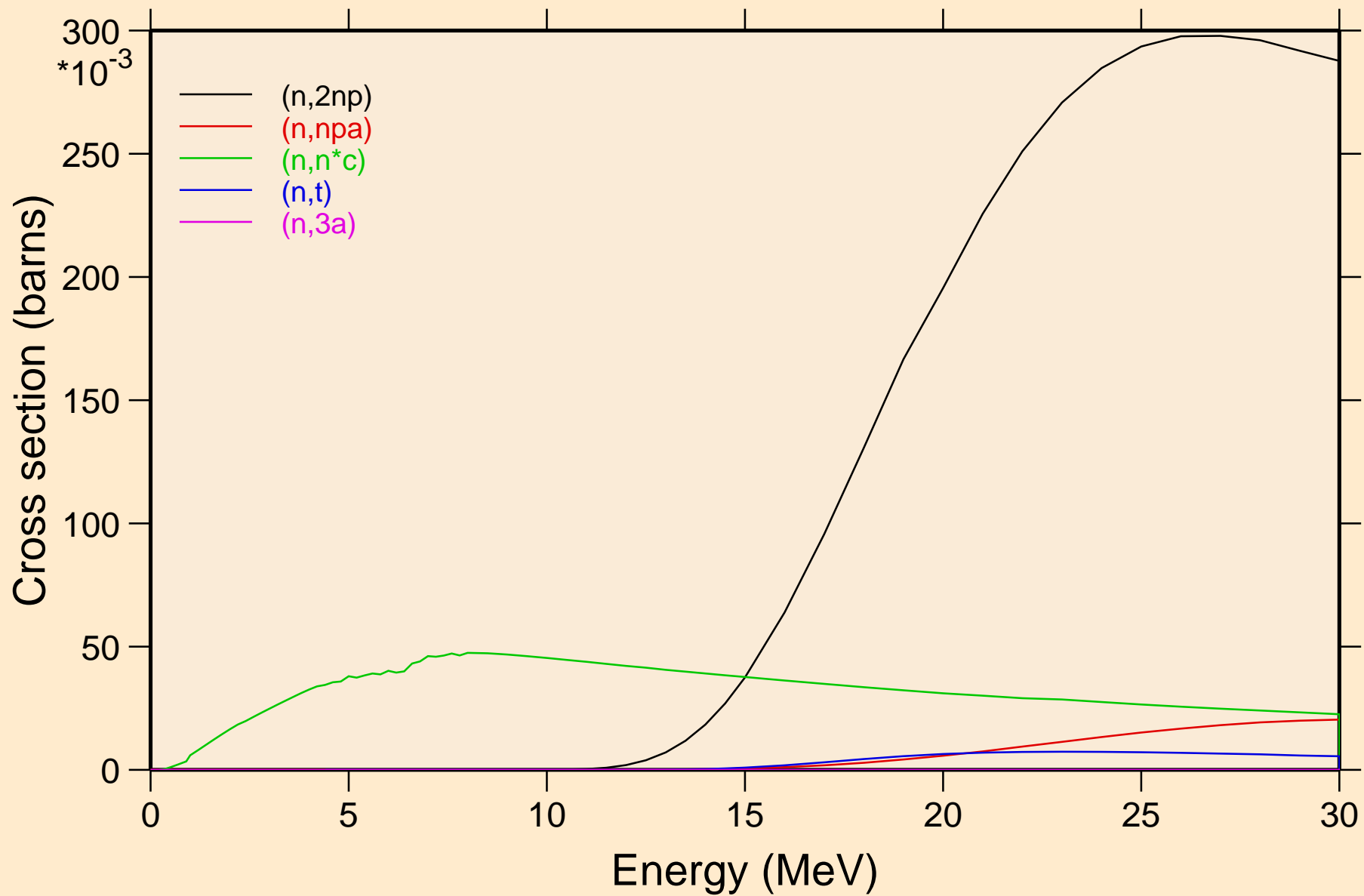
## Threshold reactions





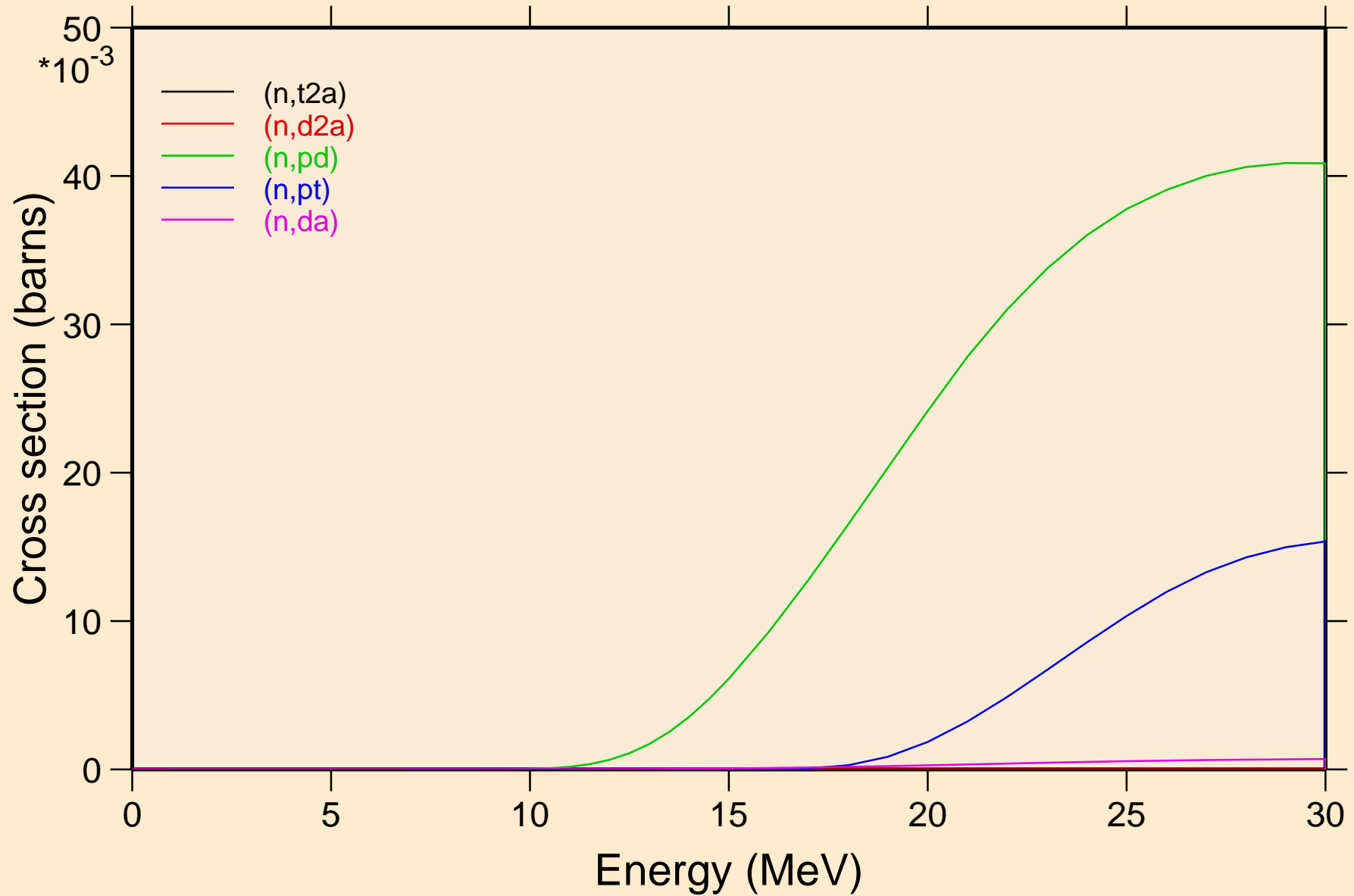
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## Threshold reactions

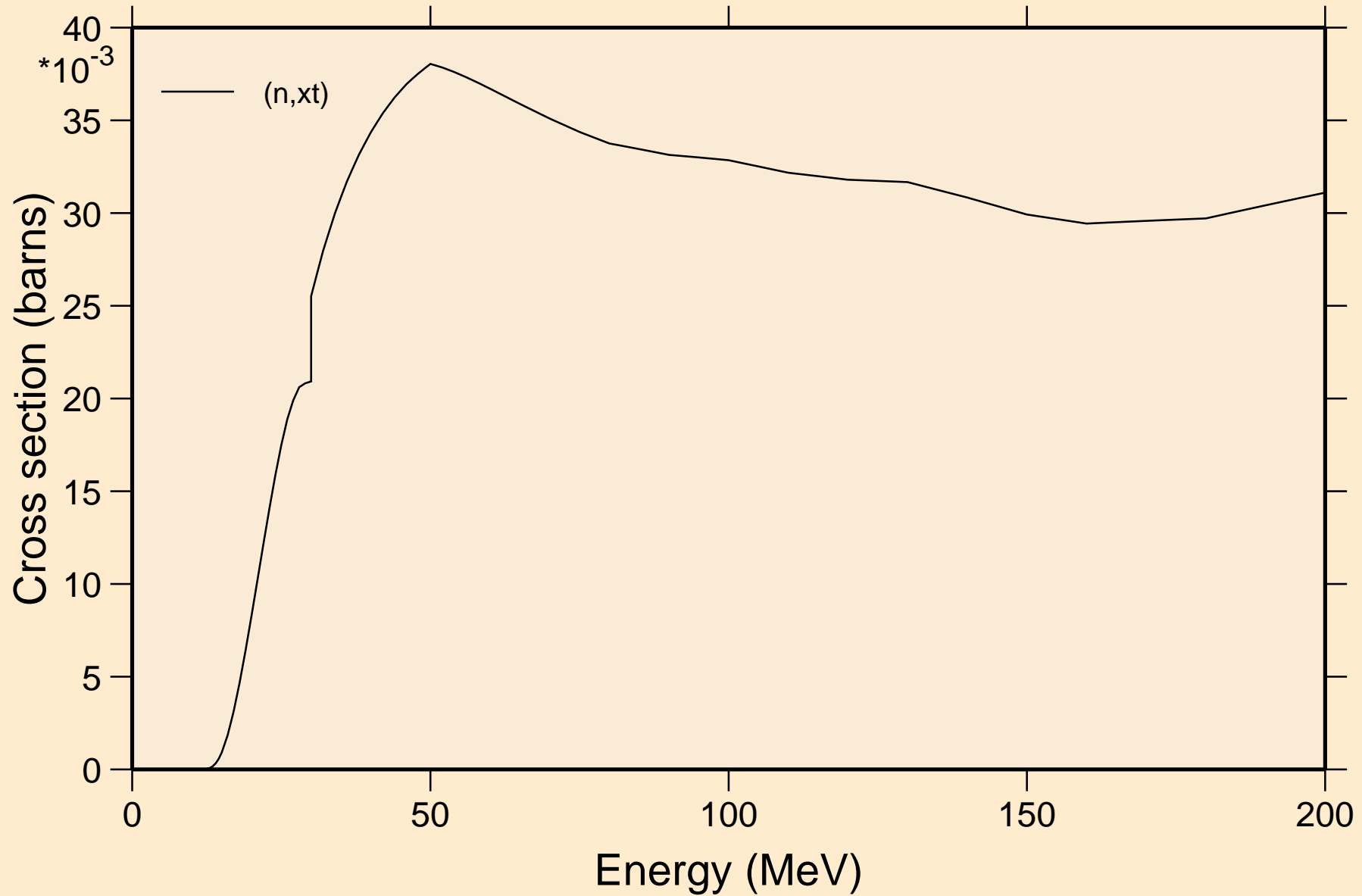


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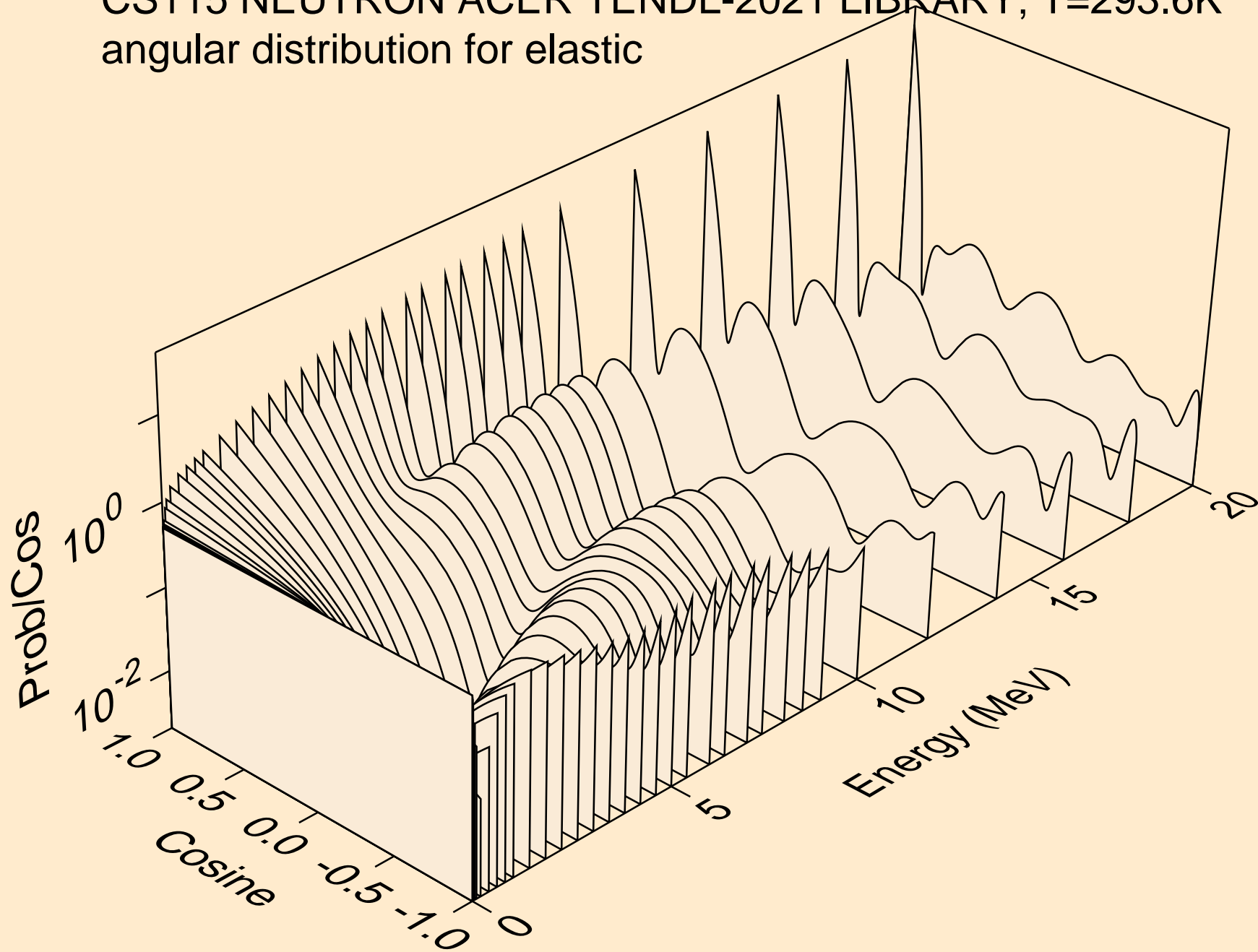
## Threshold reactions



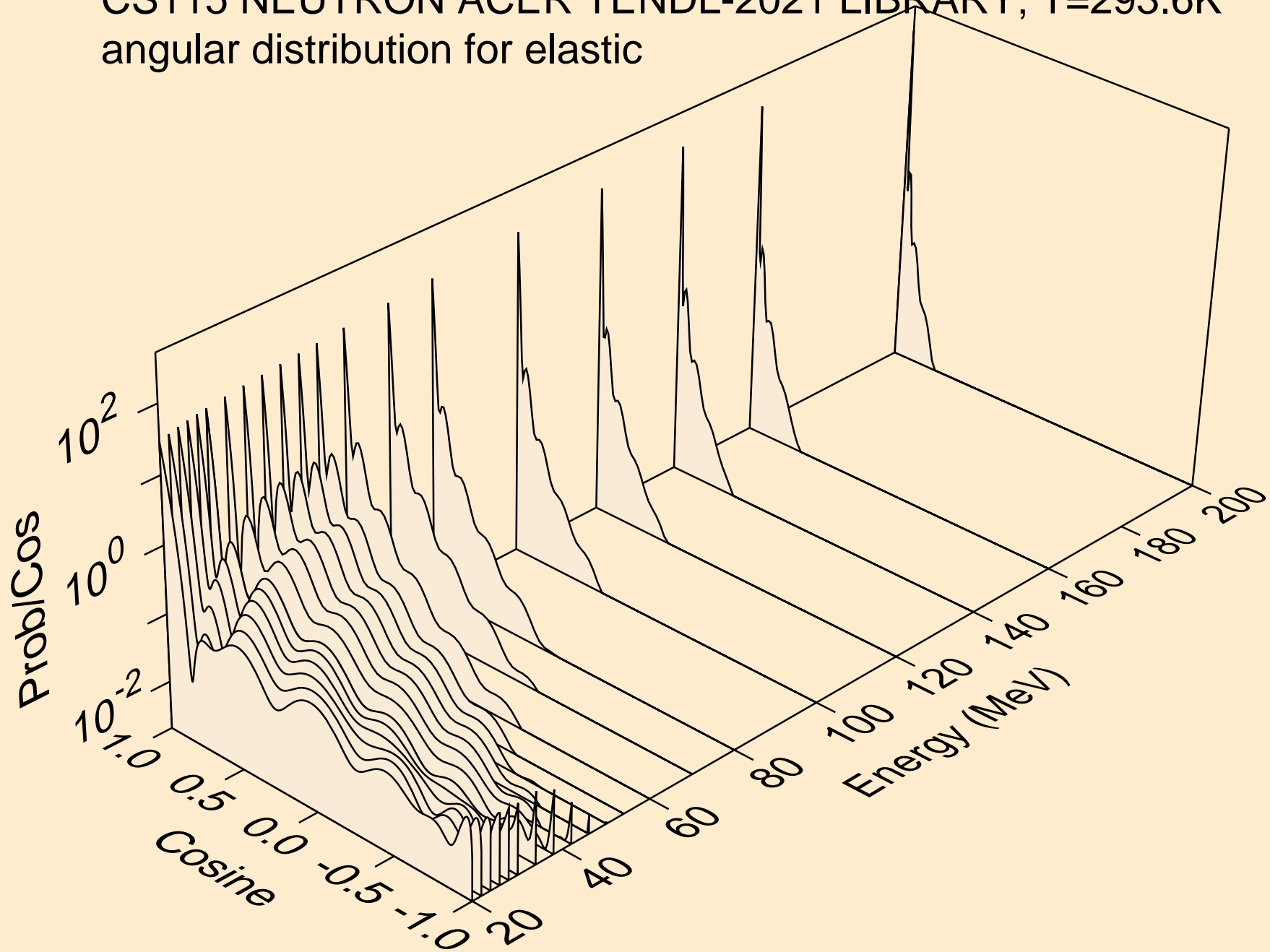
CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



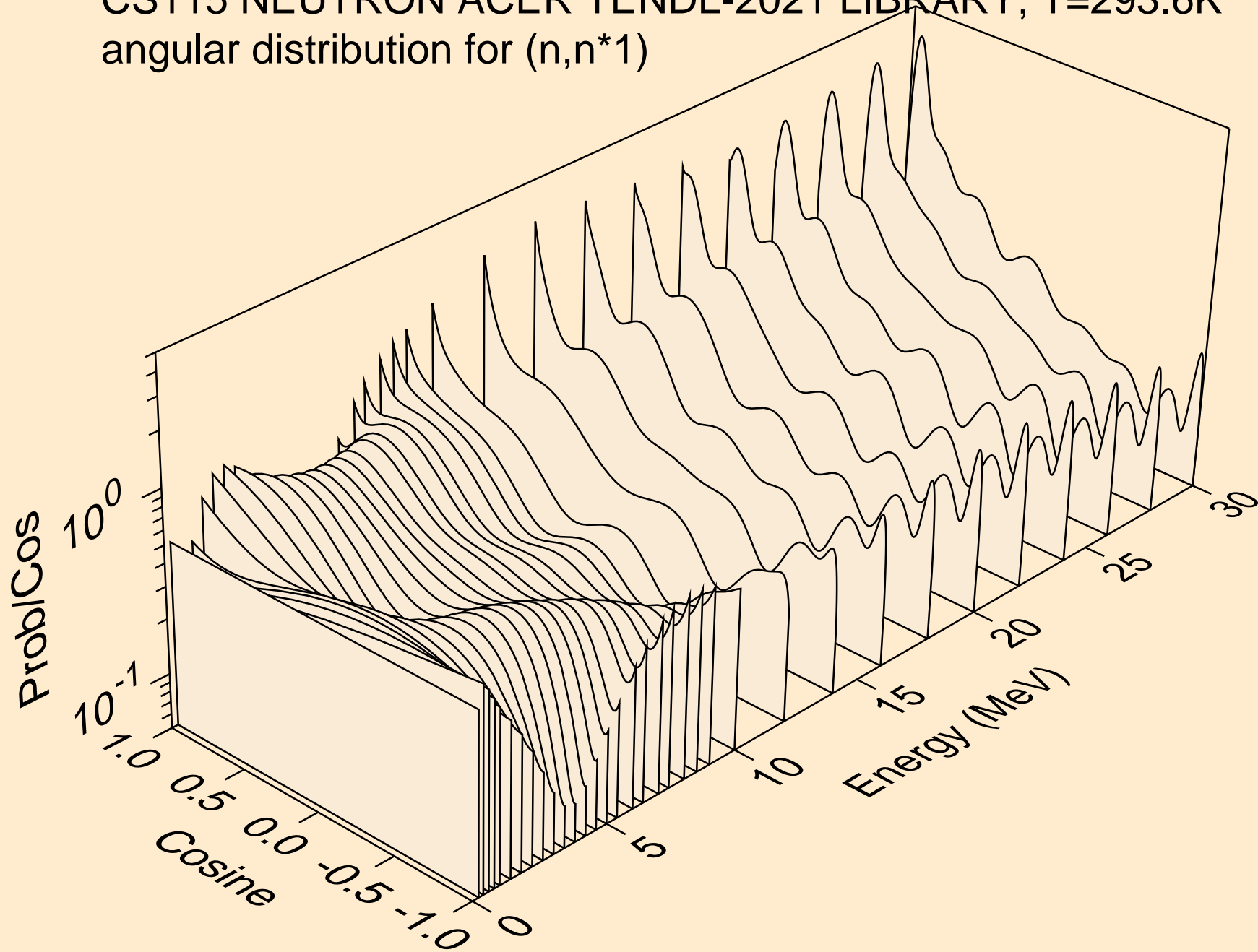
CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for elastic



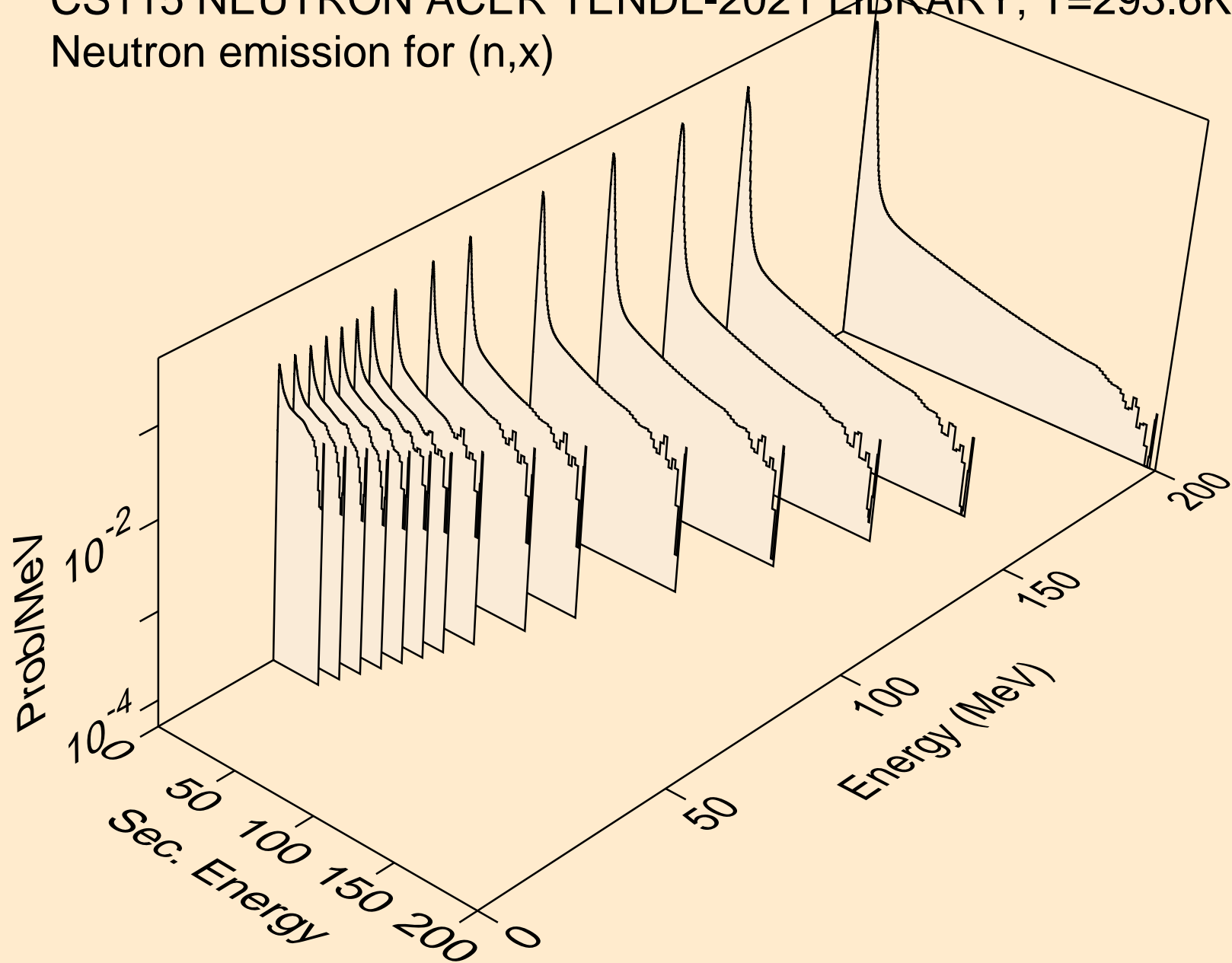
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angular distribution for elastic



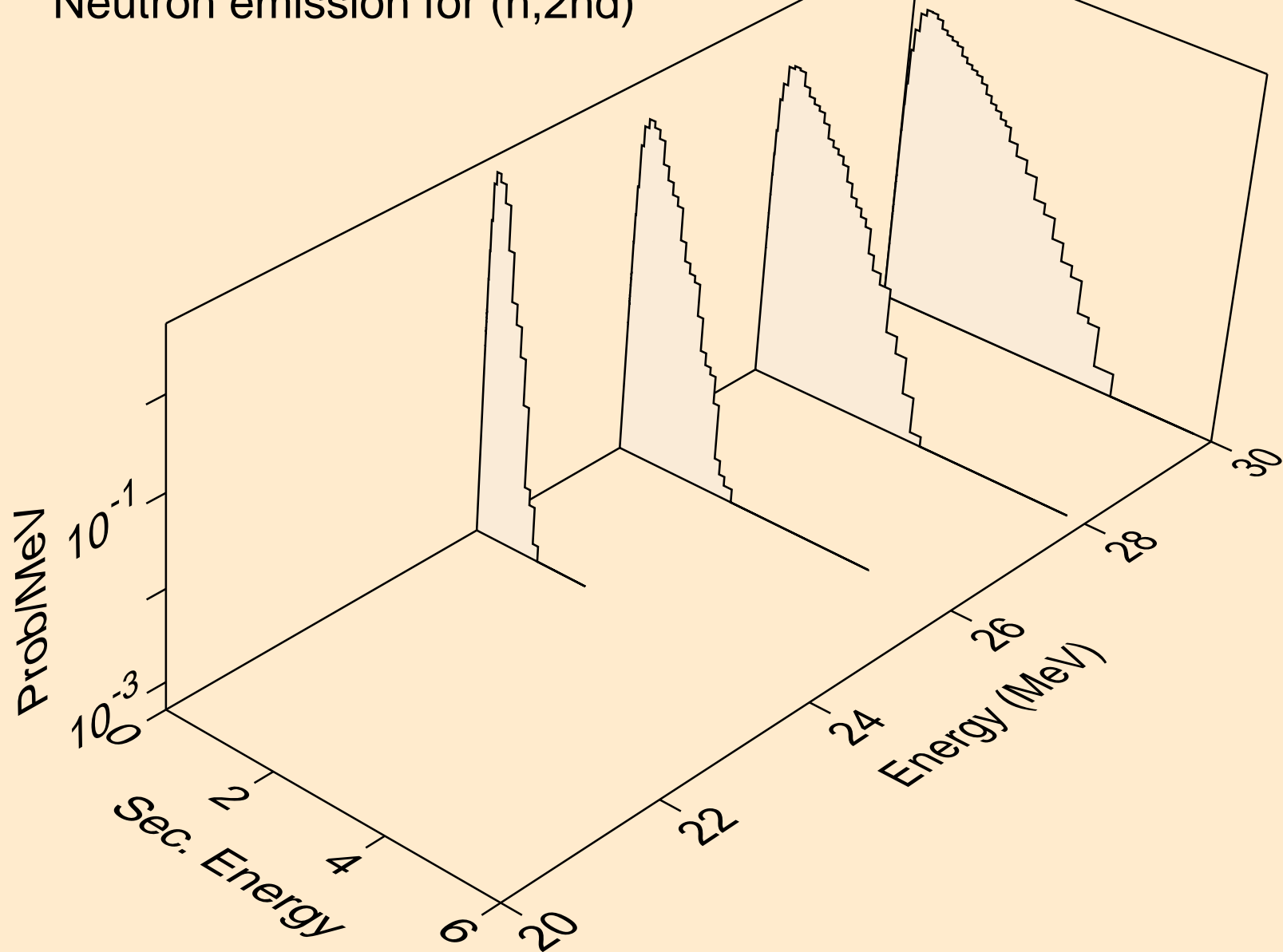
CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*1)



CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,x)

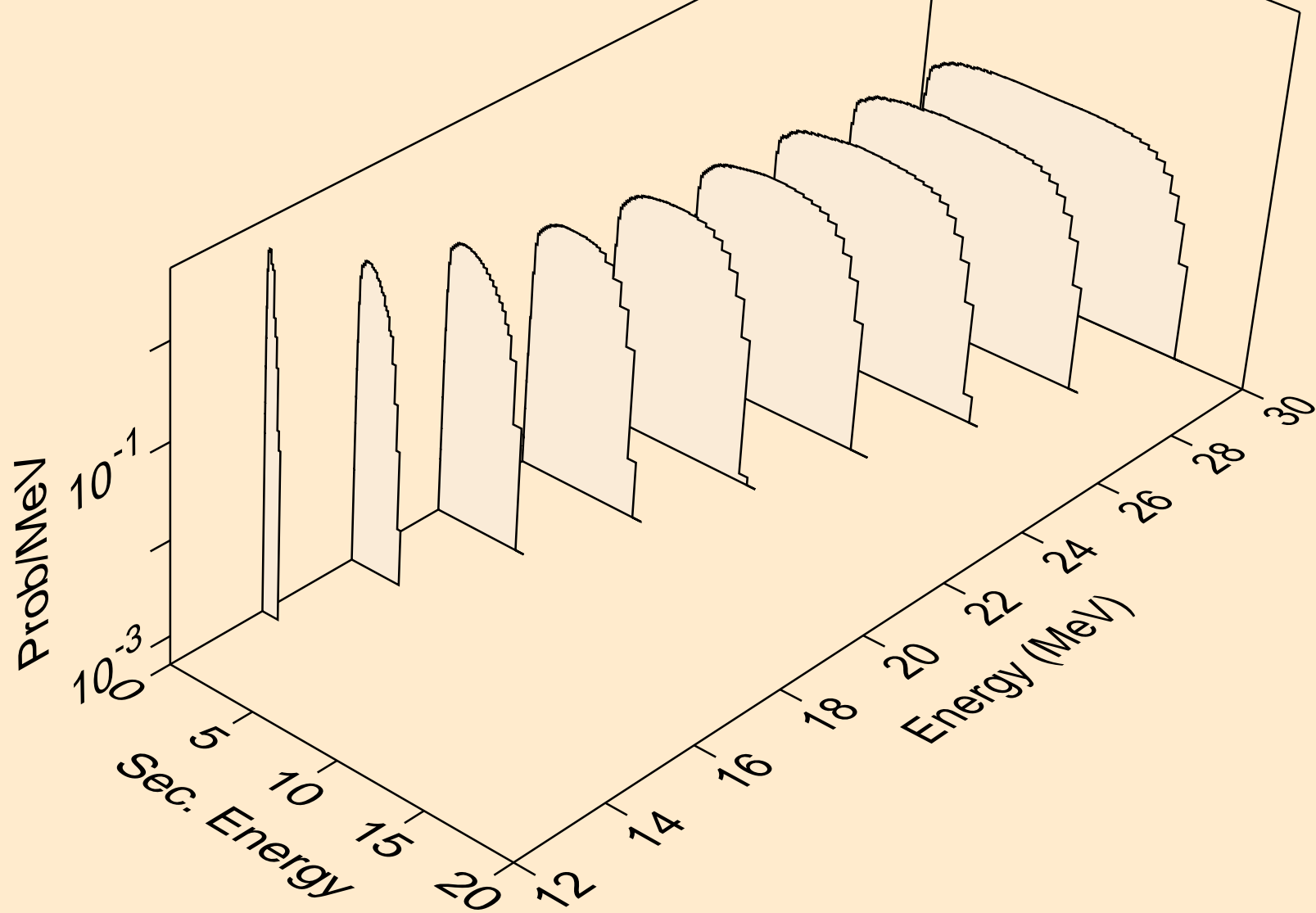


CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2nd)

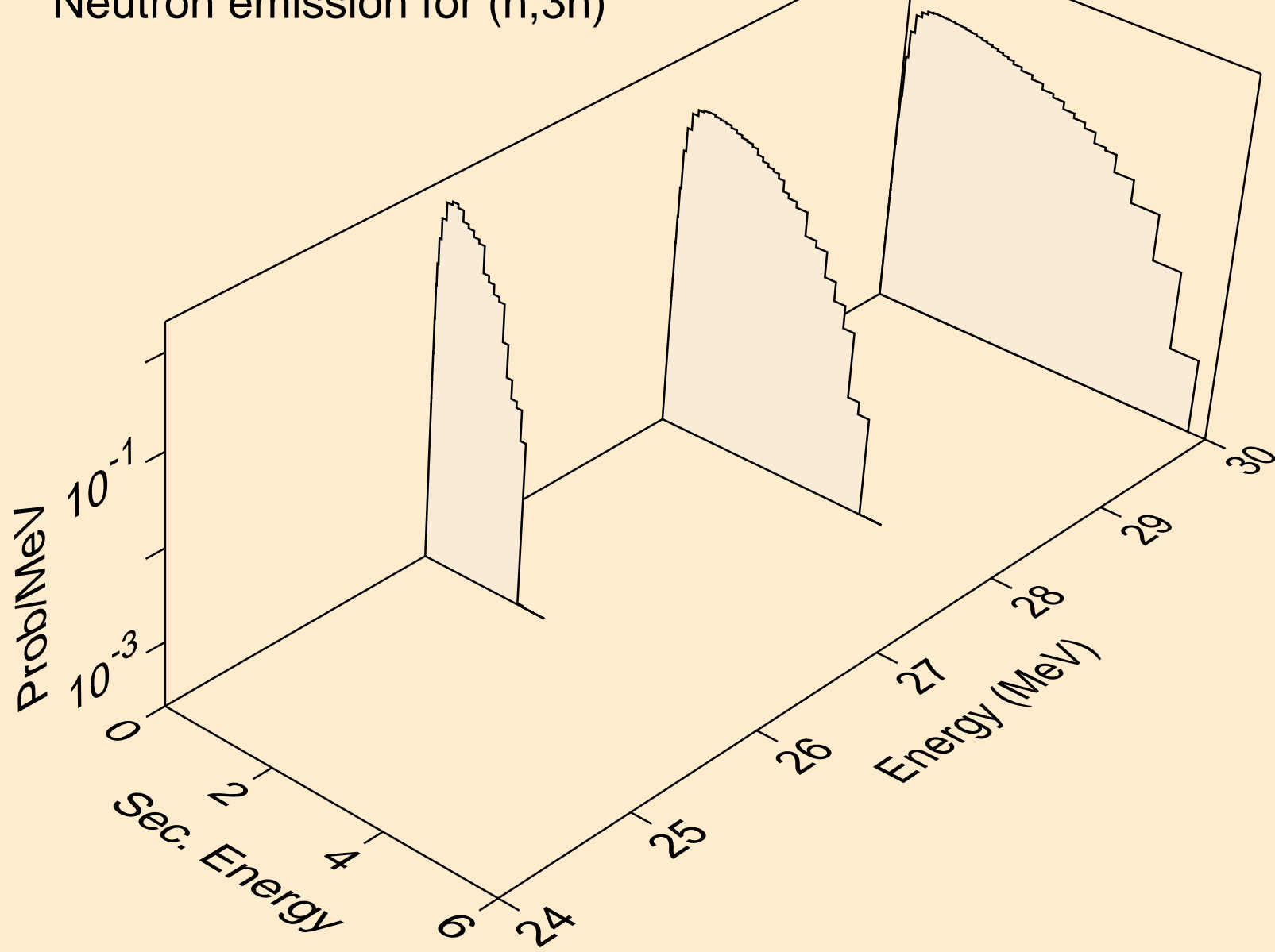




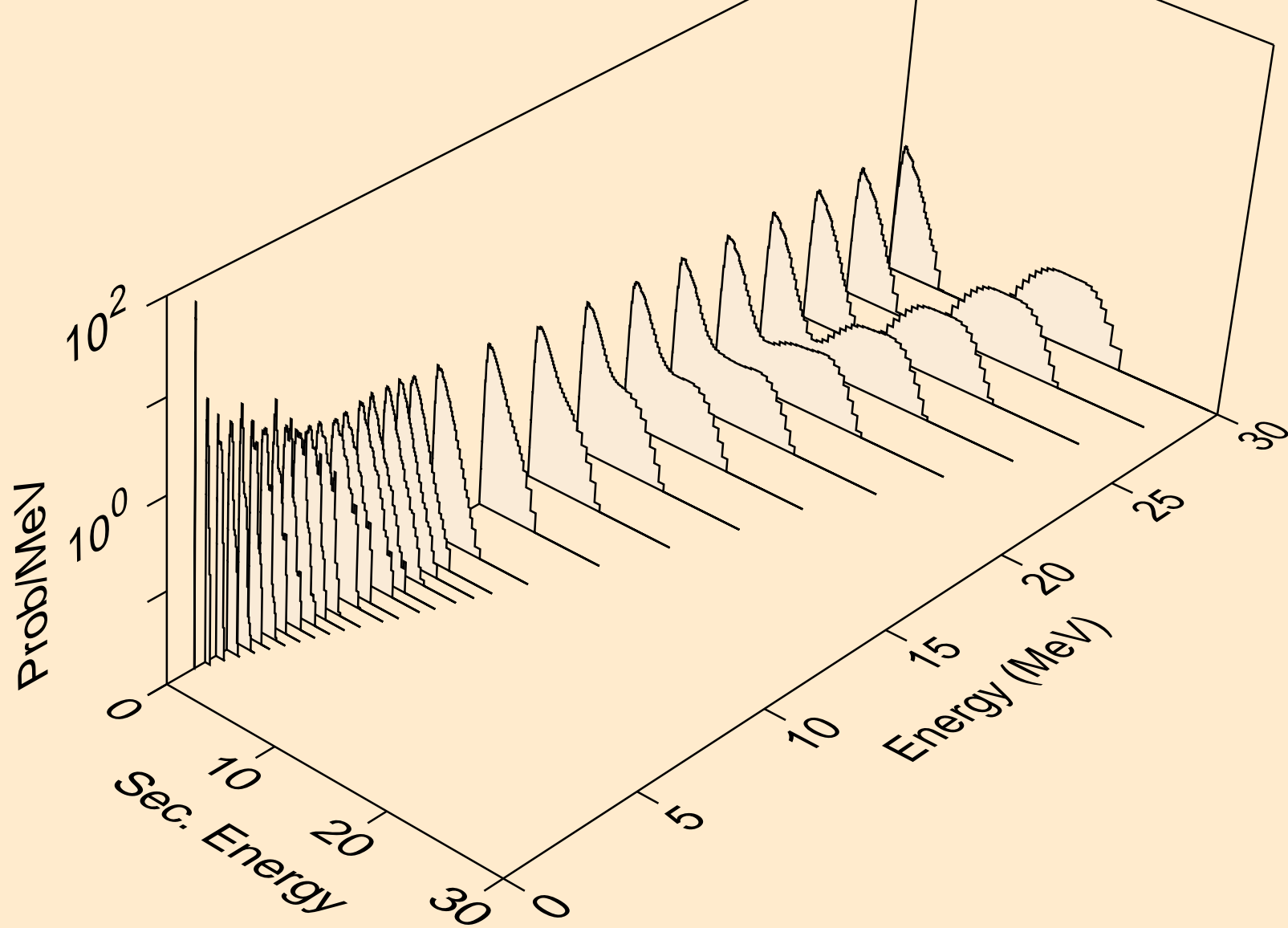
CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)



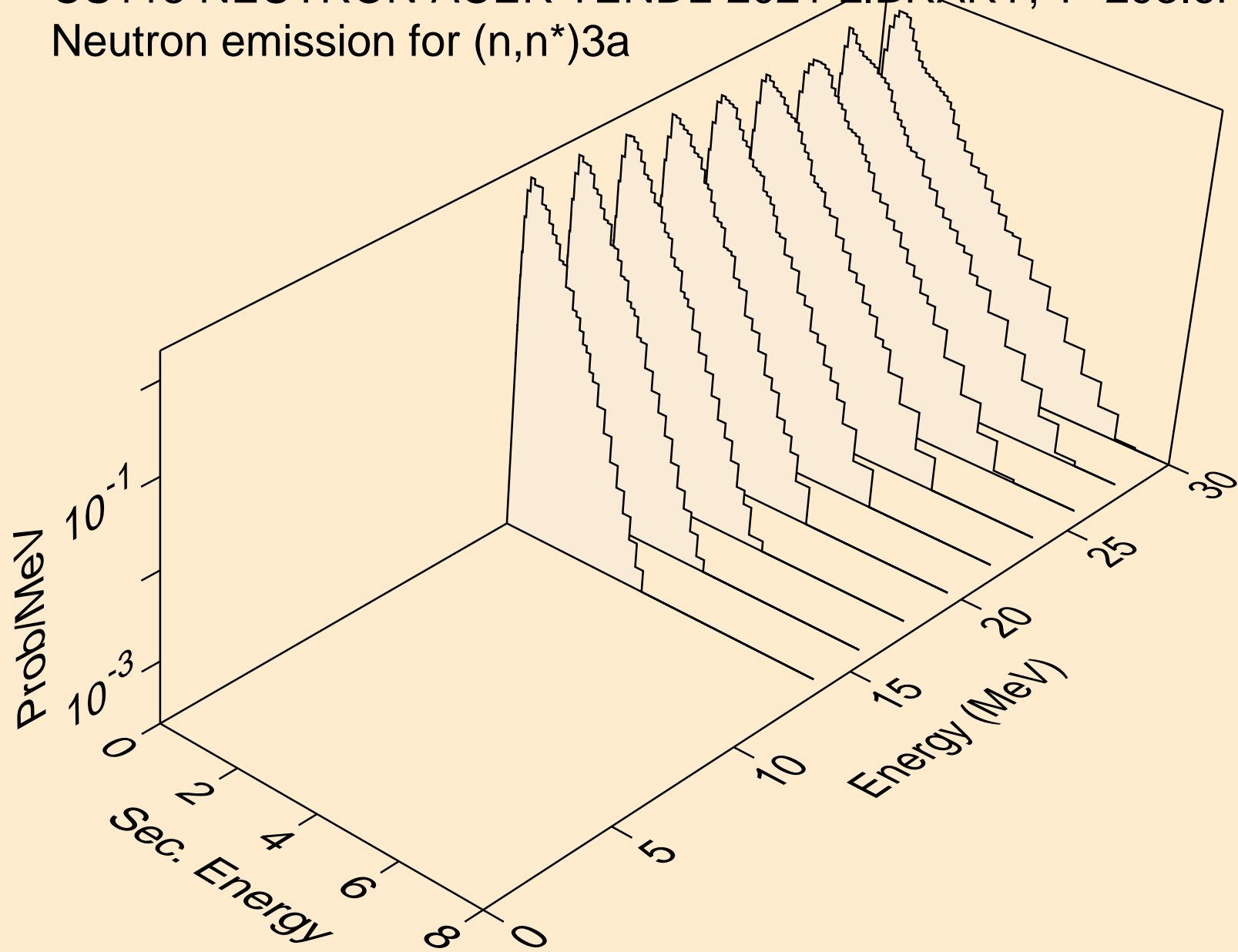
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Neutron emission for (n,3n)



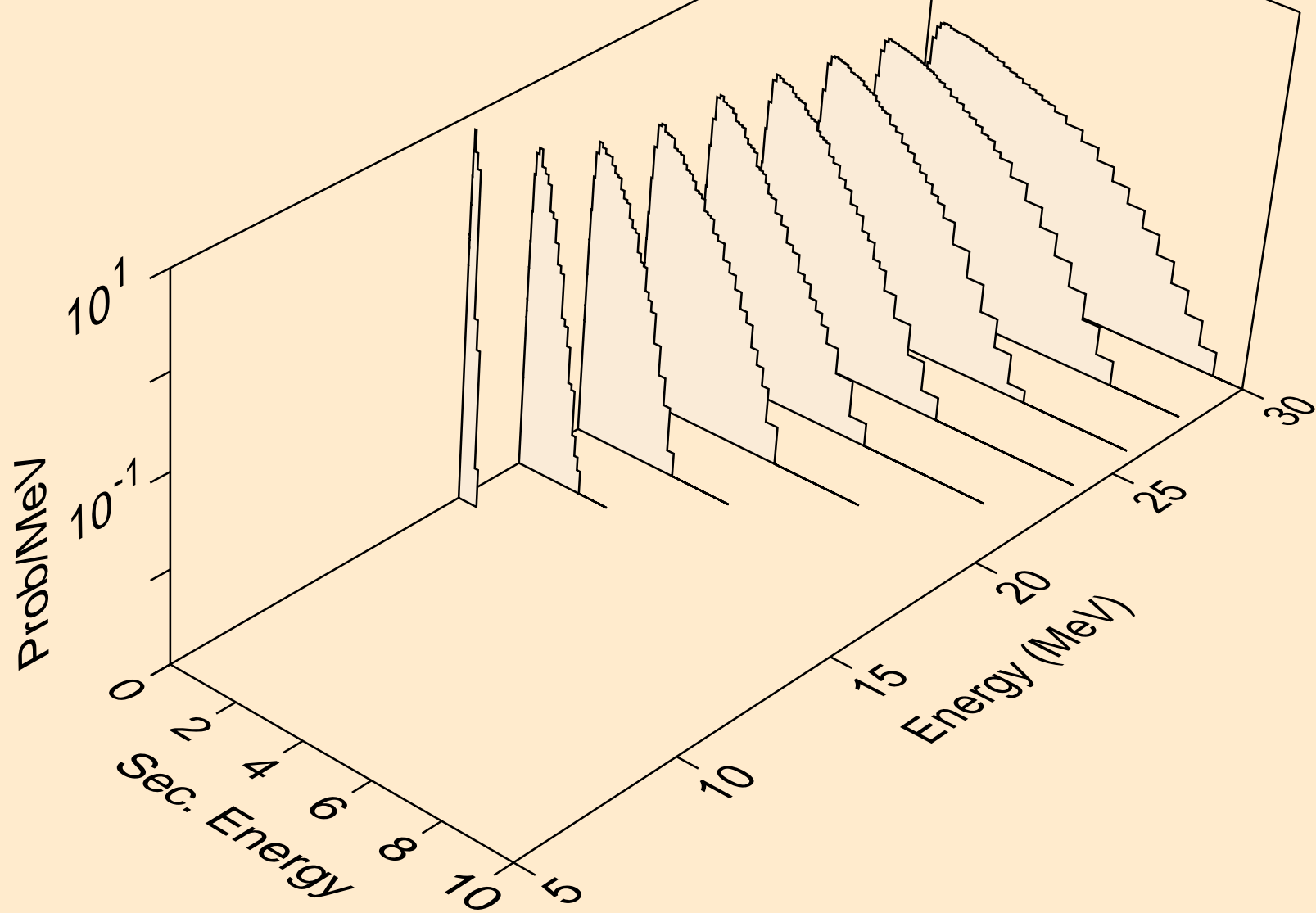
CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)a



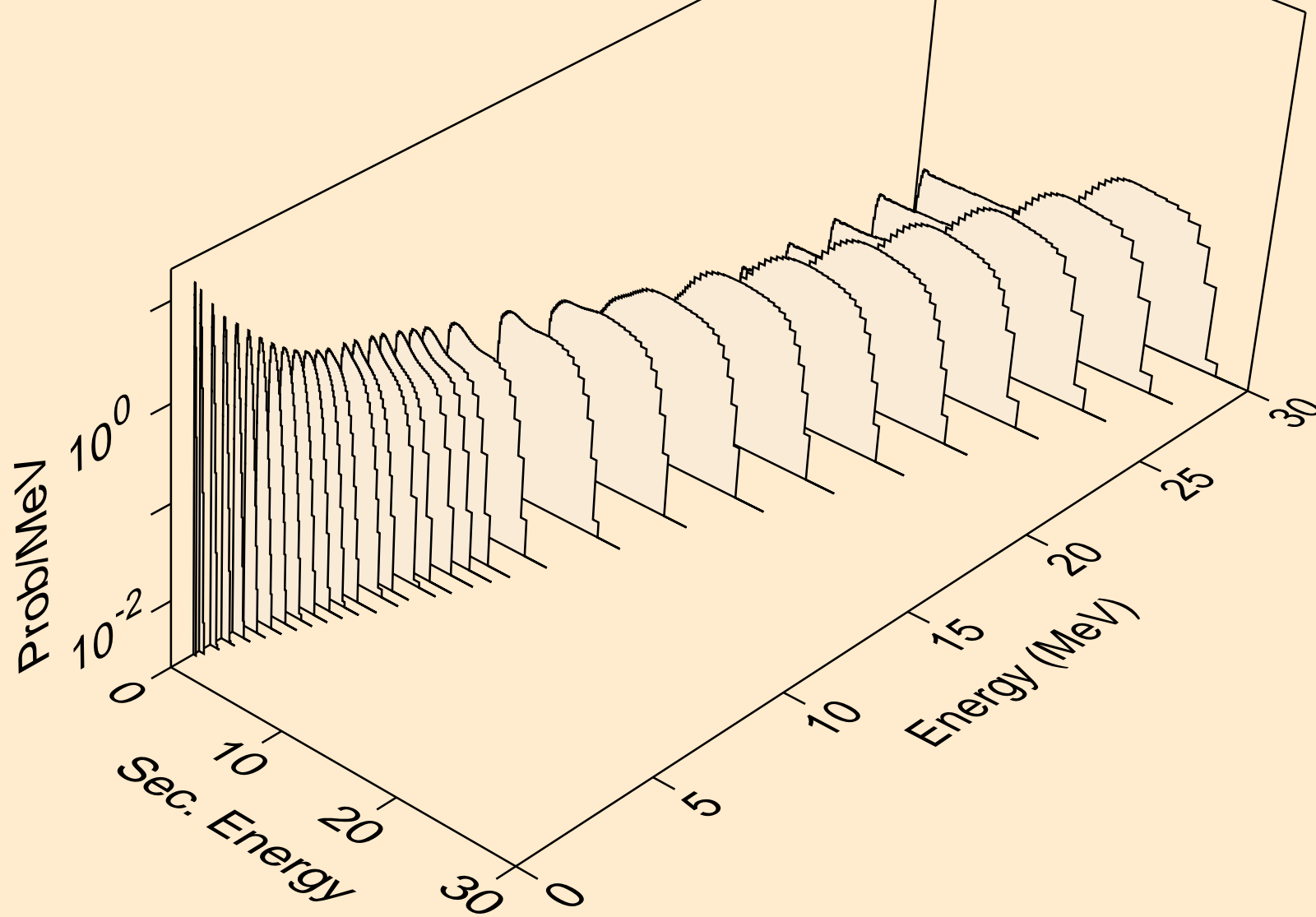
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Neutron emission for (n,n\*)3a



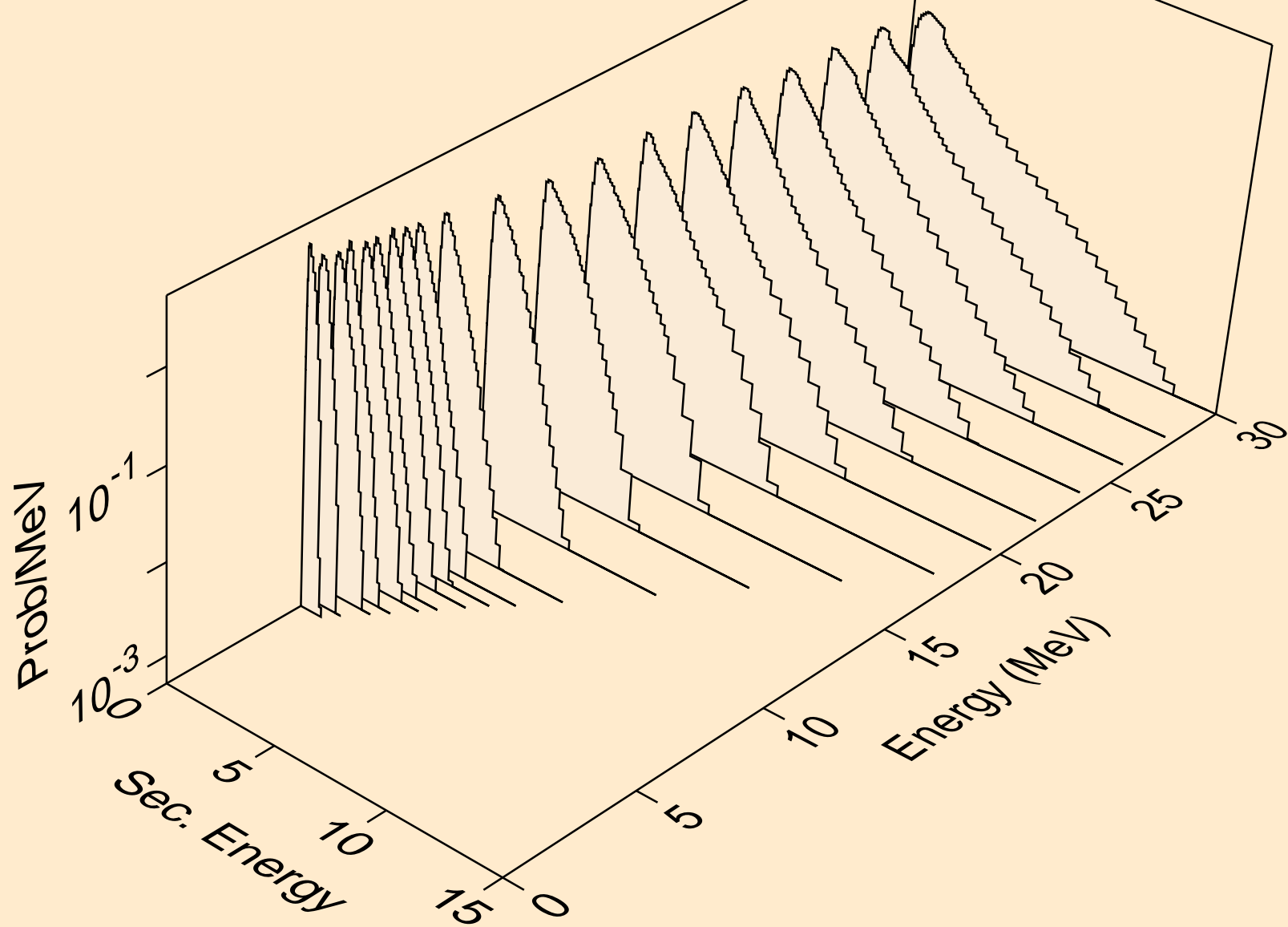
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Neutron emission for (n,2n)a



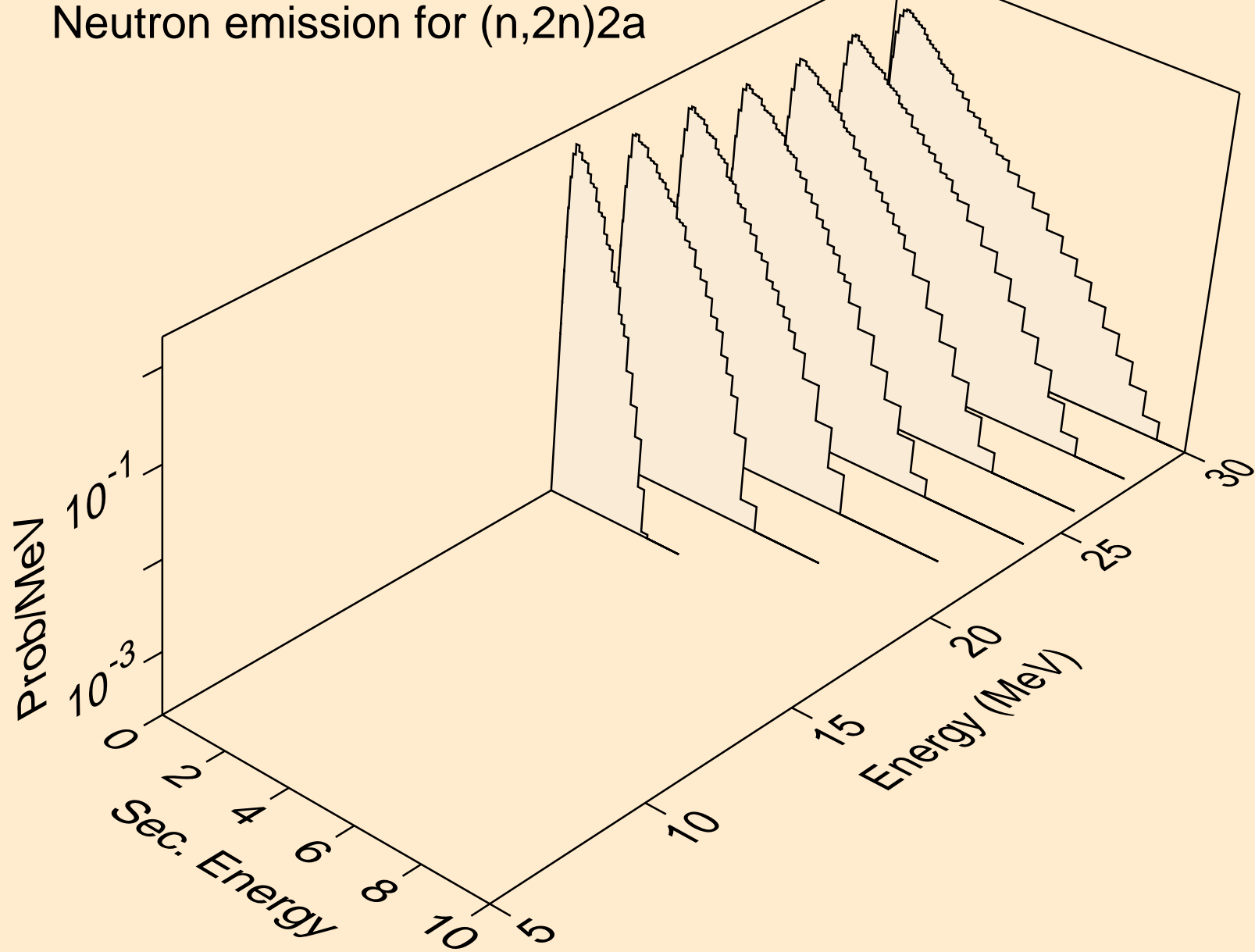
CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)p



CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)2a

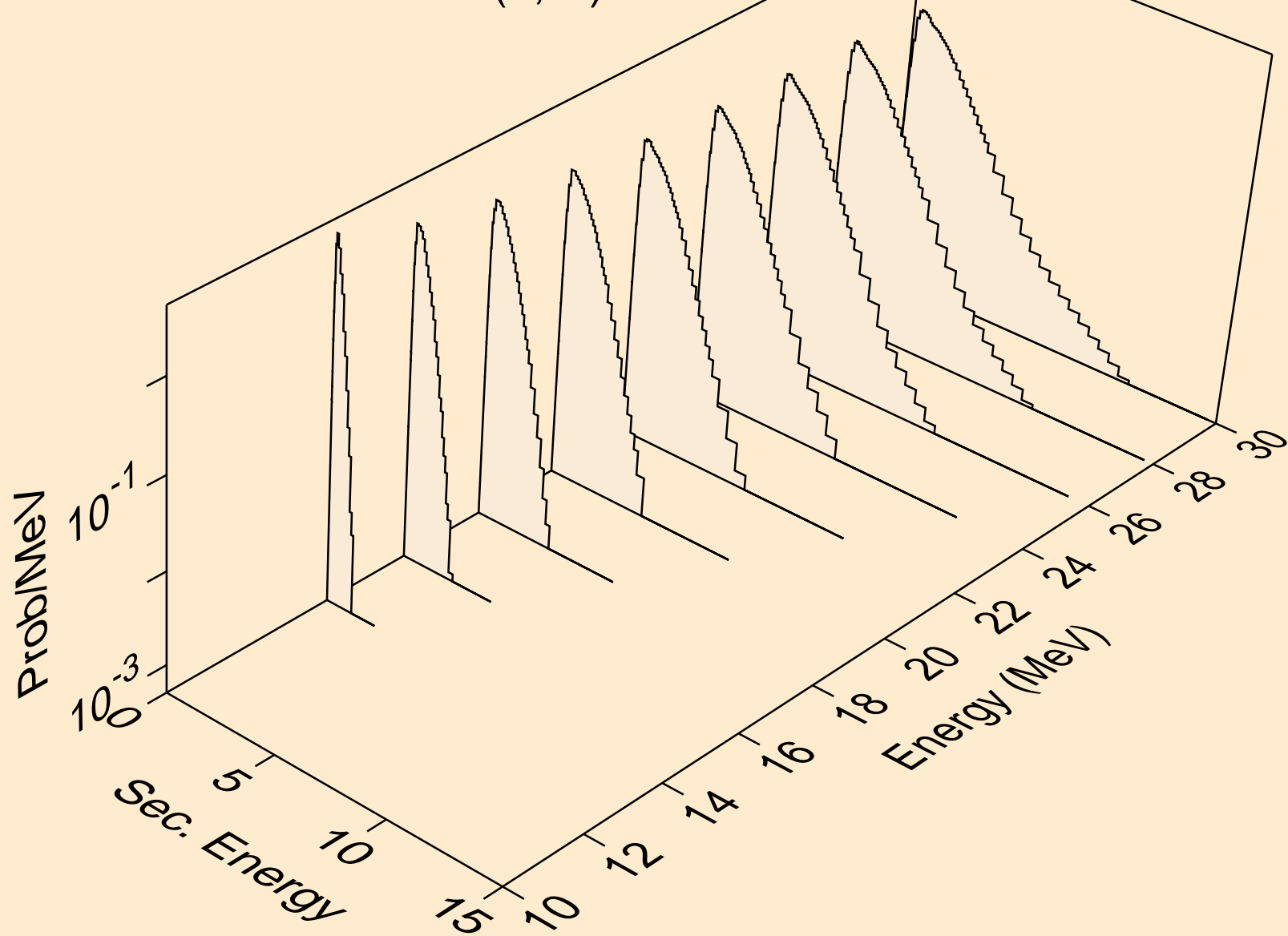


CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)2a

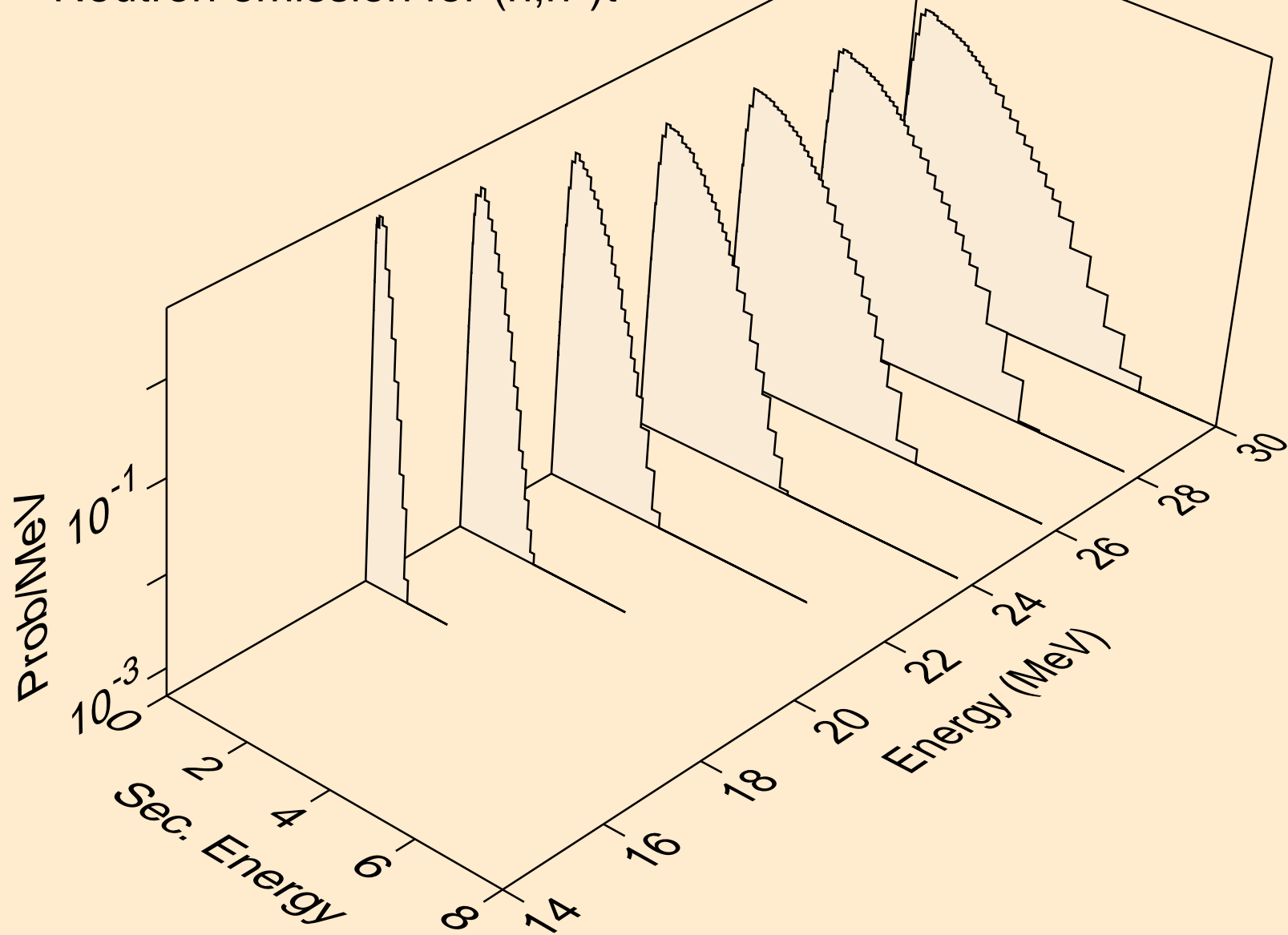




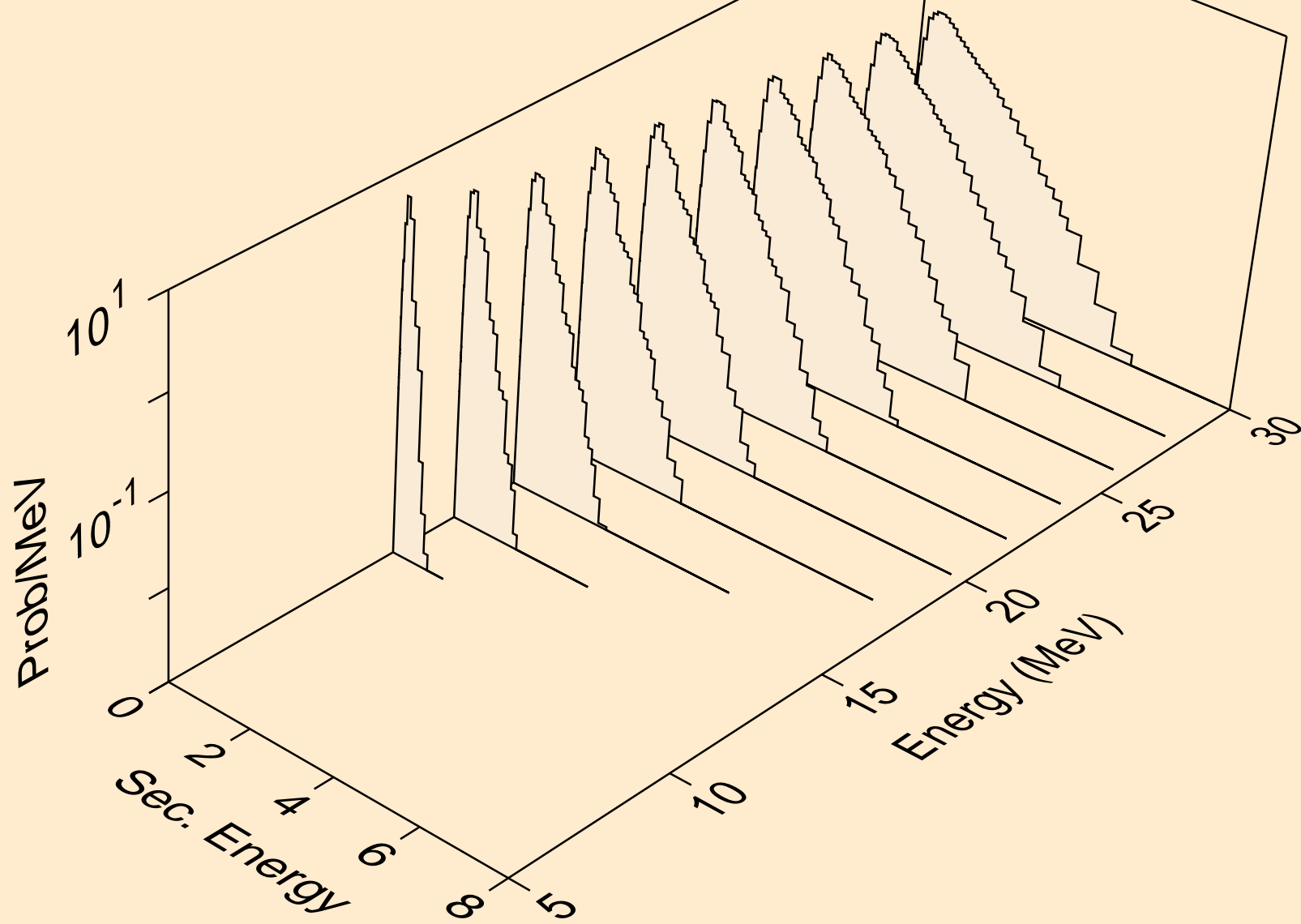
CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)d



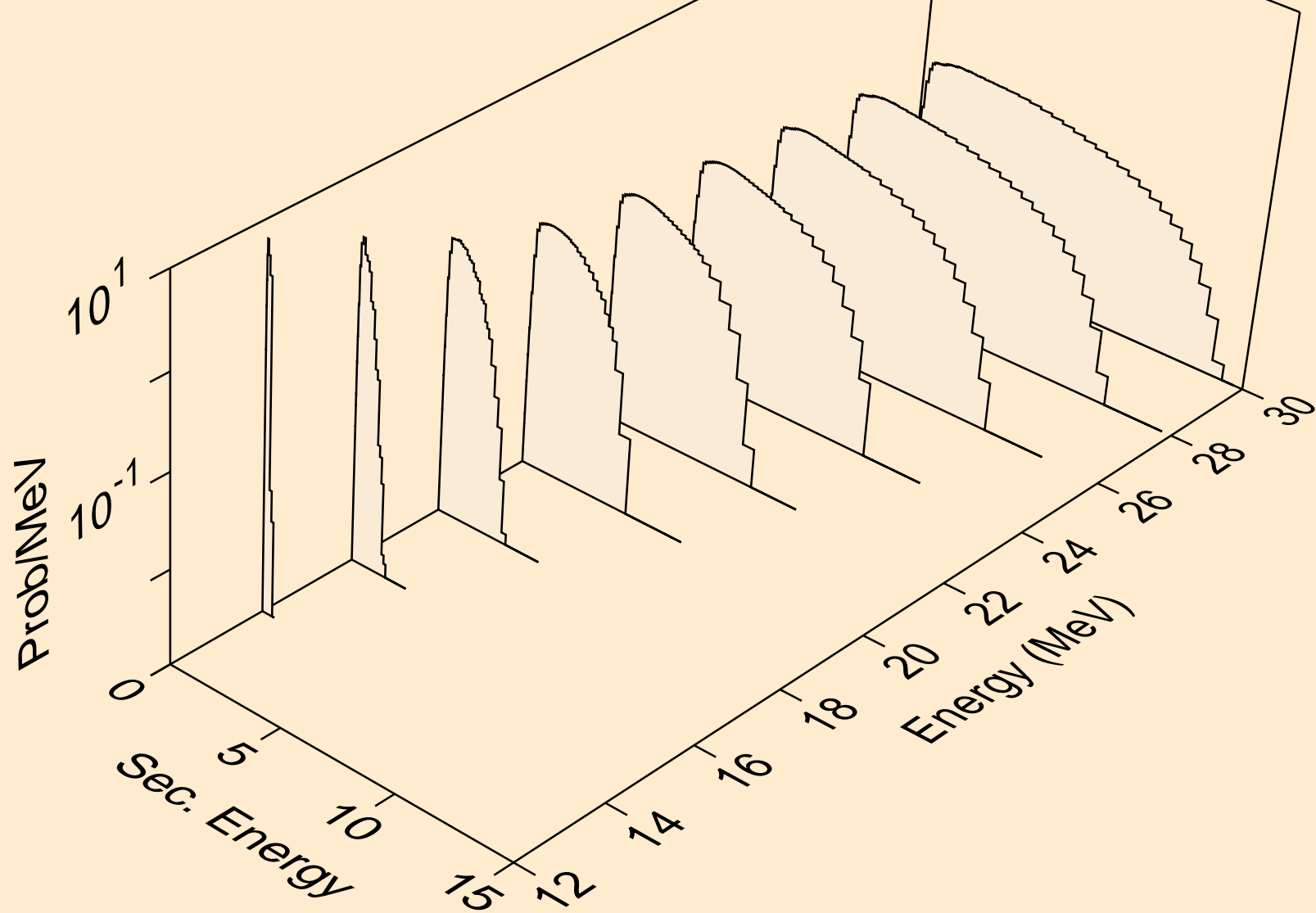
CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)t



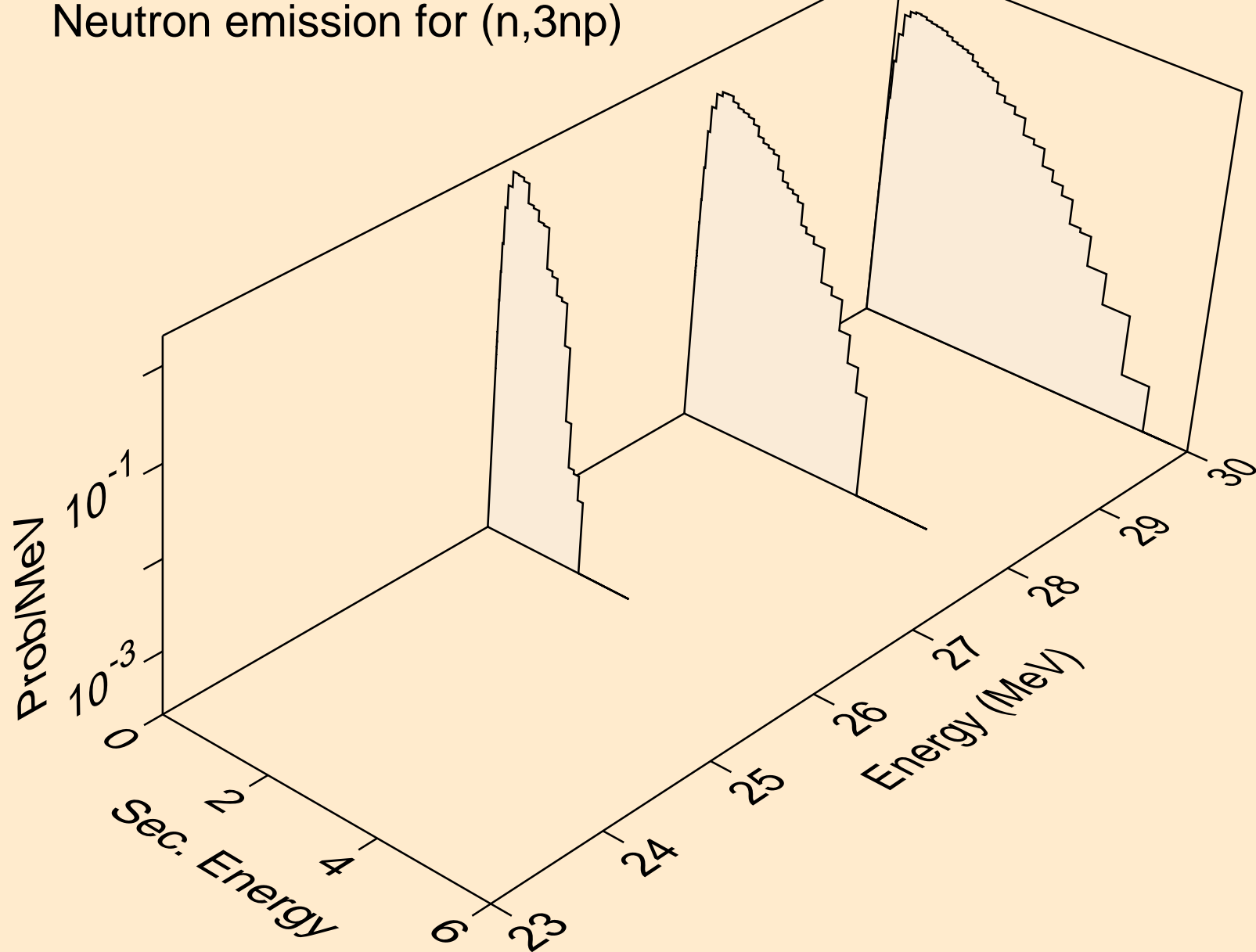
CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)he3



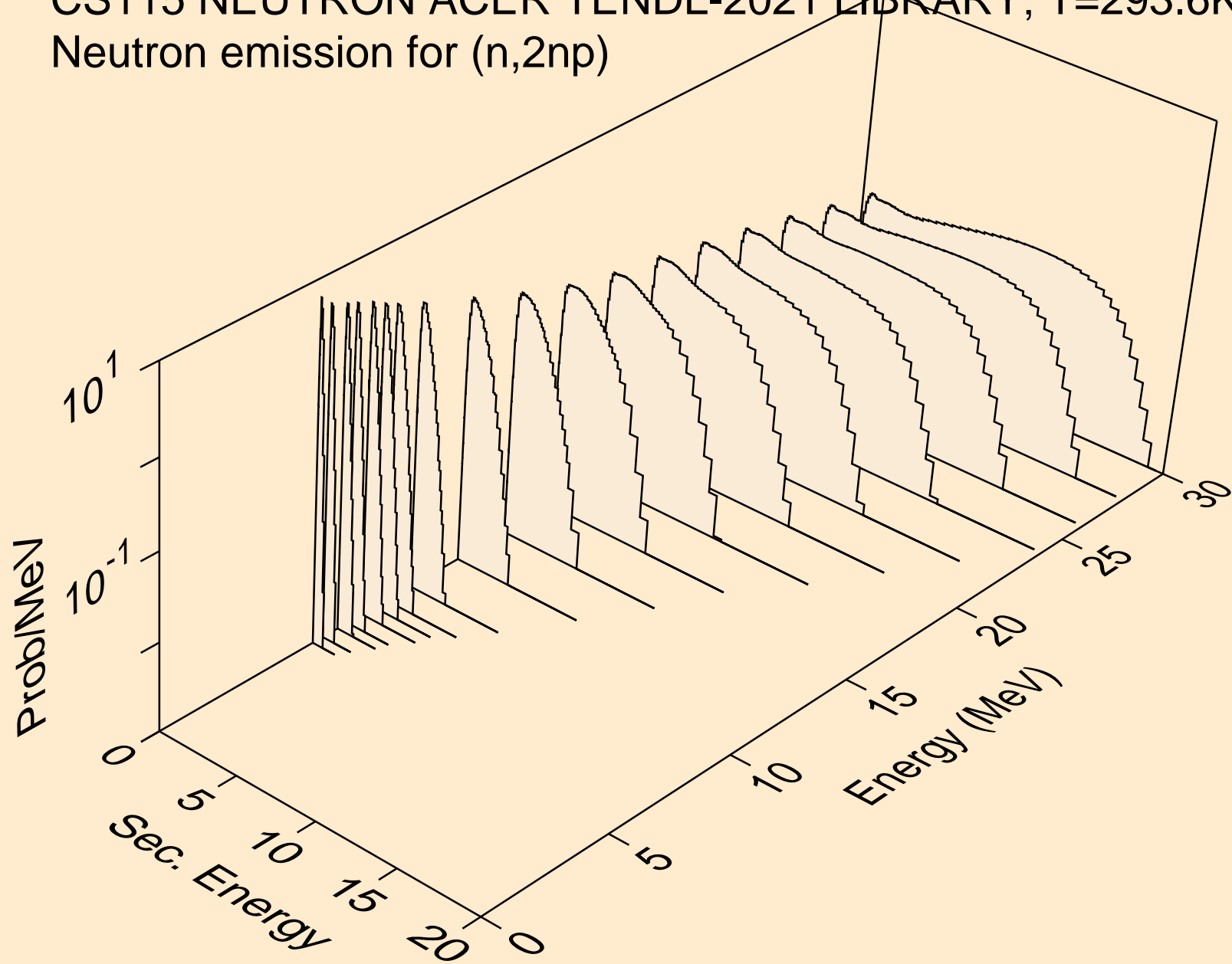
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Neutron emission for (n,2np)



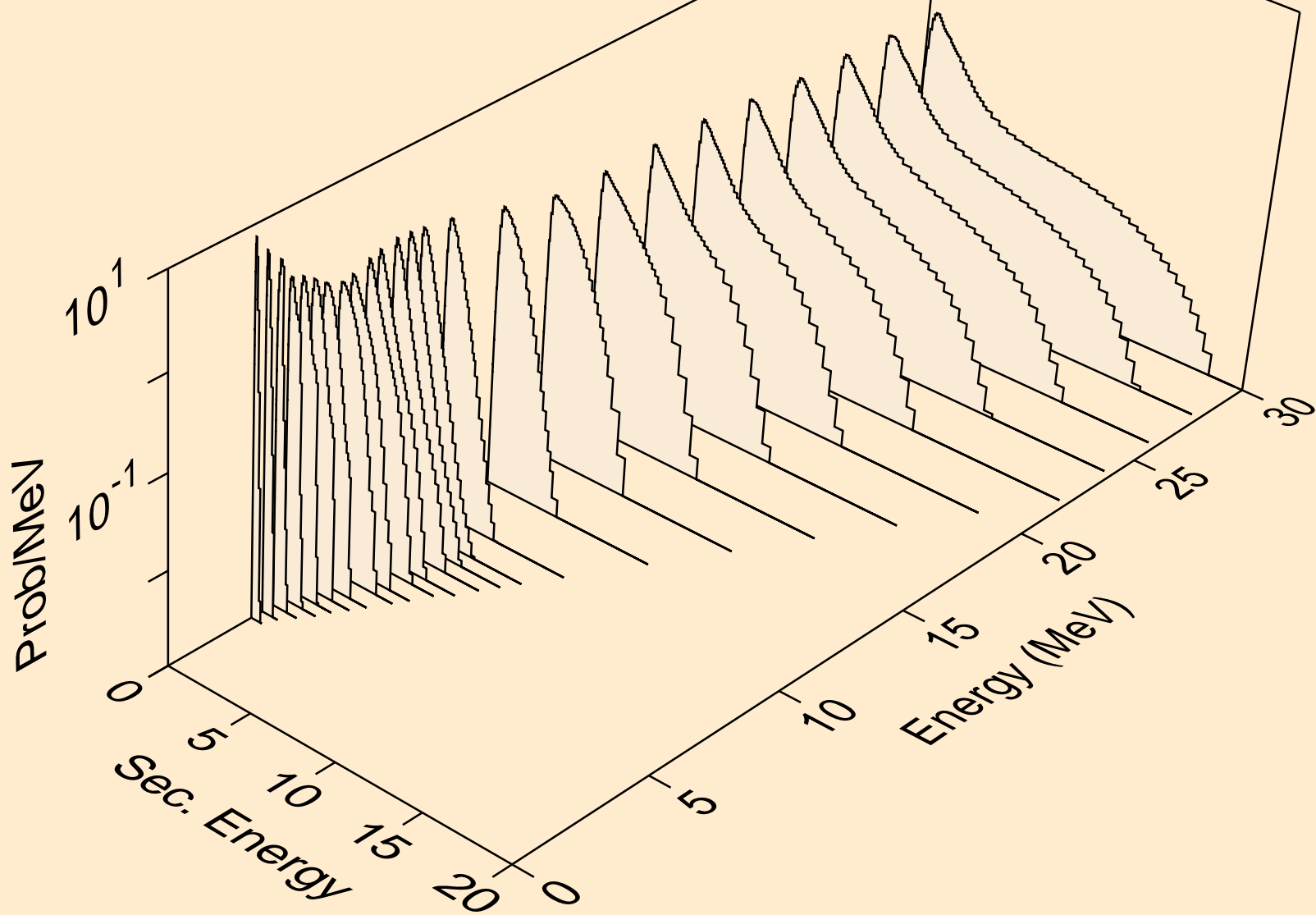
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Neutron emission for (n,3np)



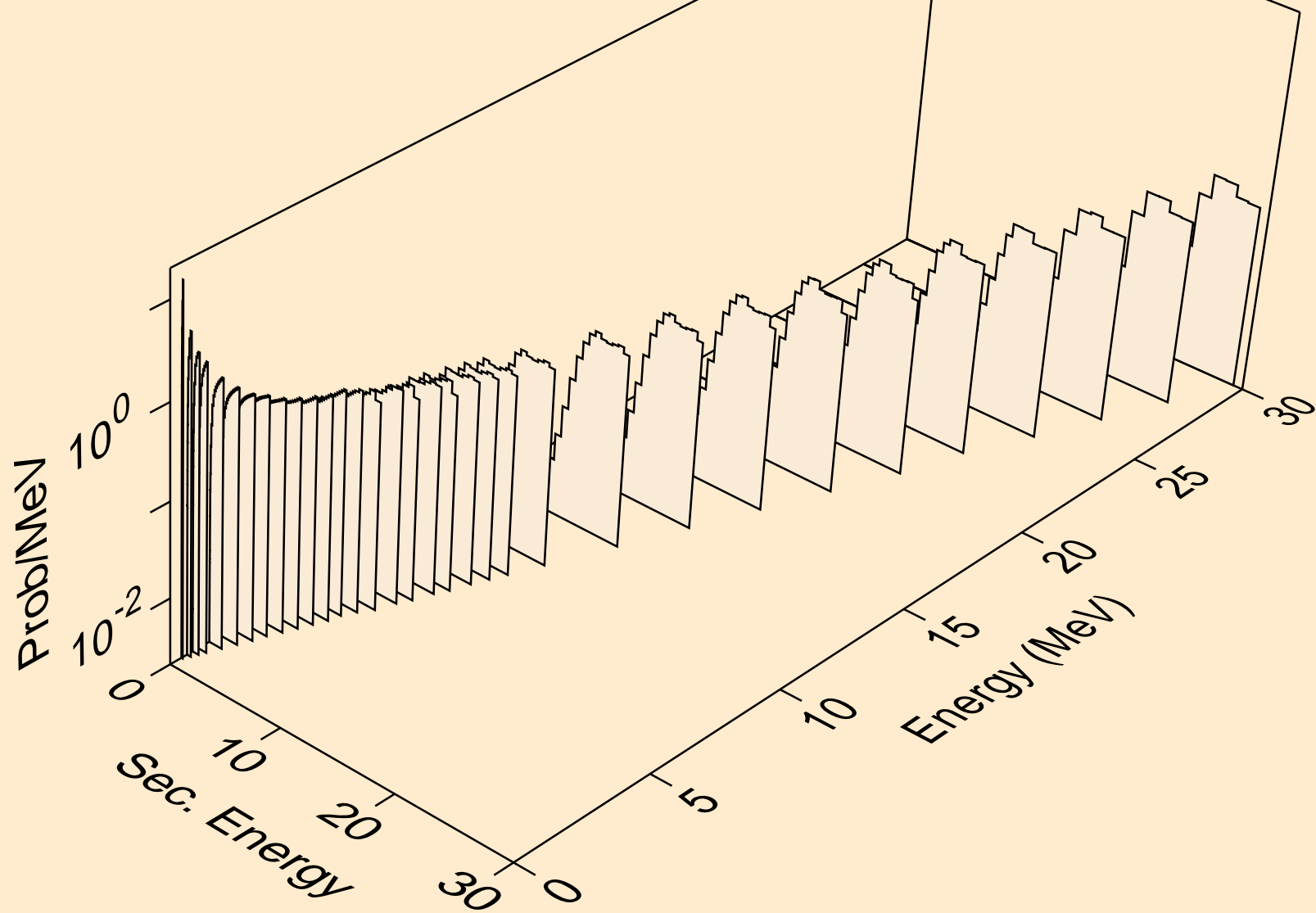
CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2np)



CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,npa)

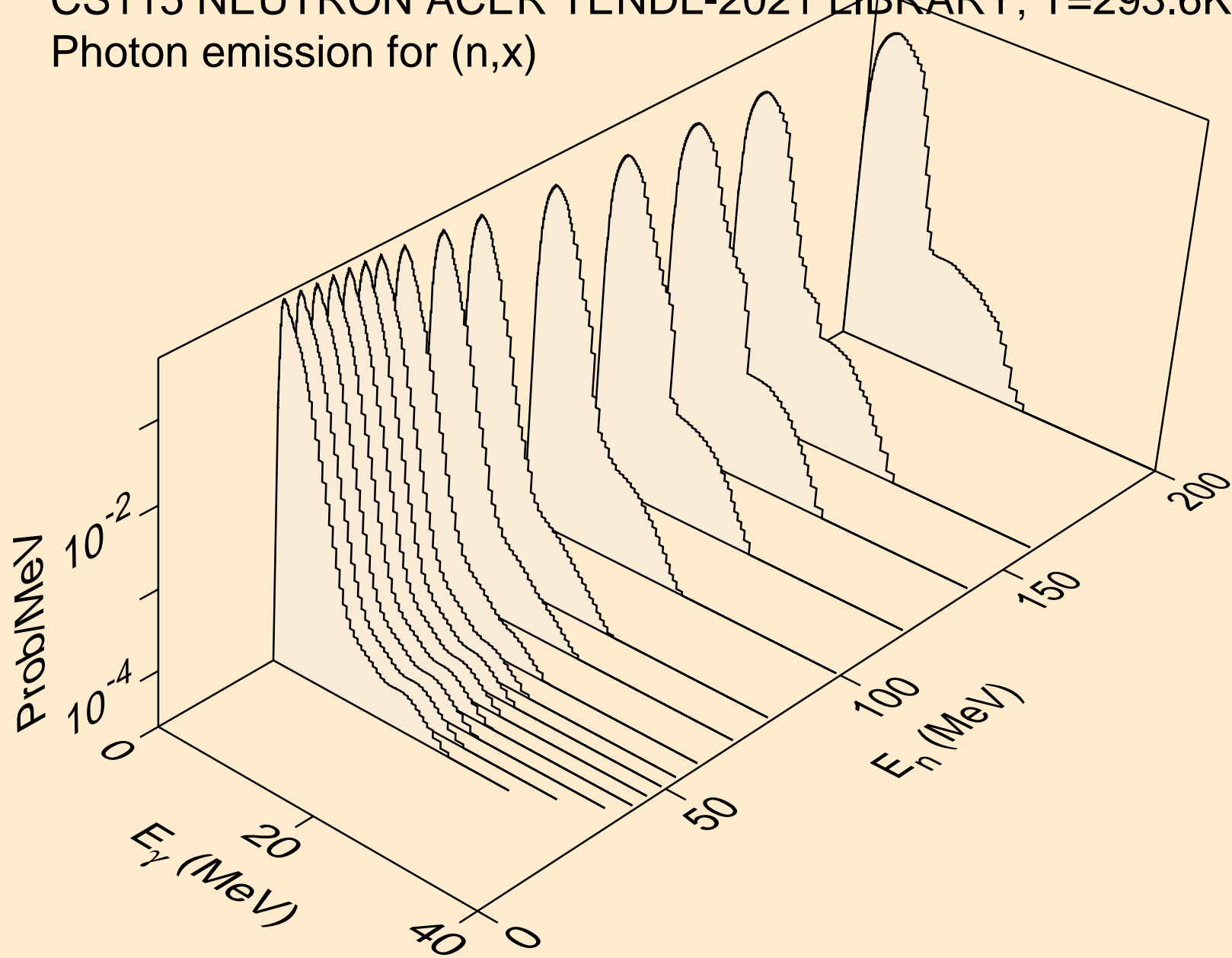


CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*c)

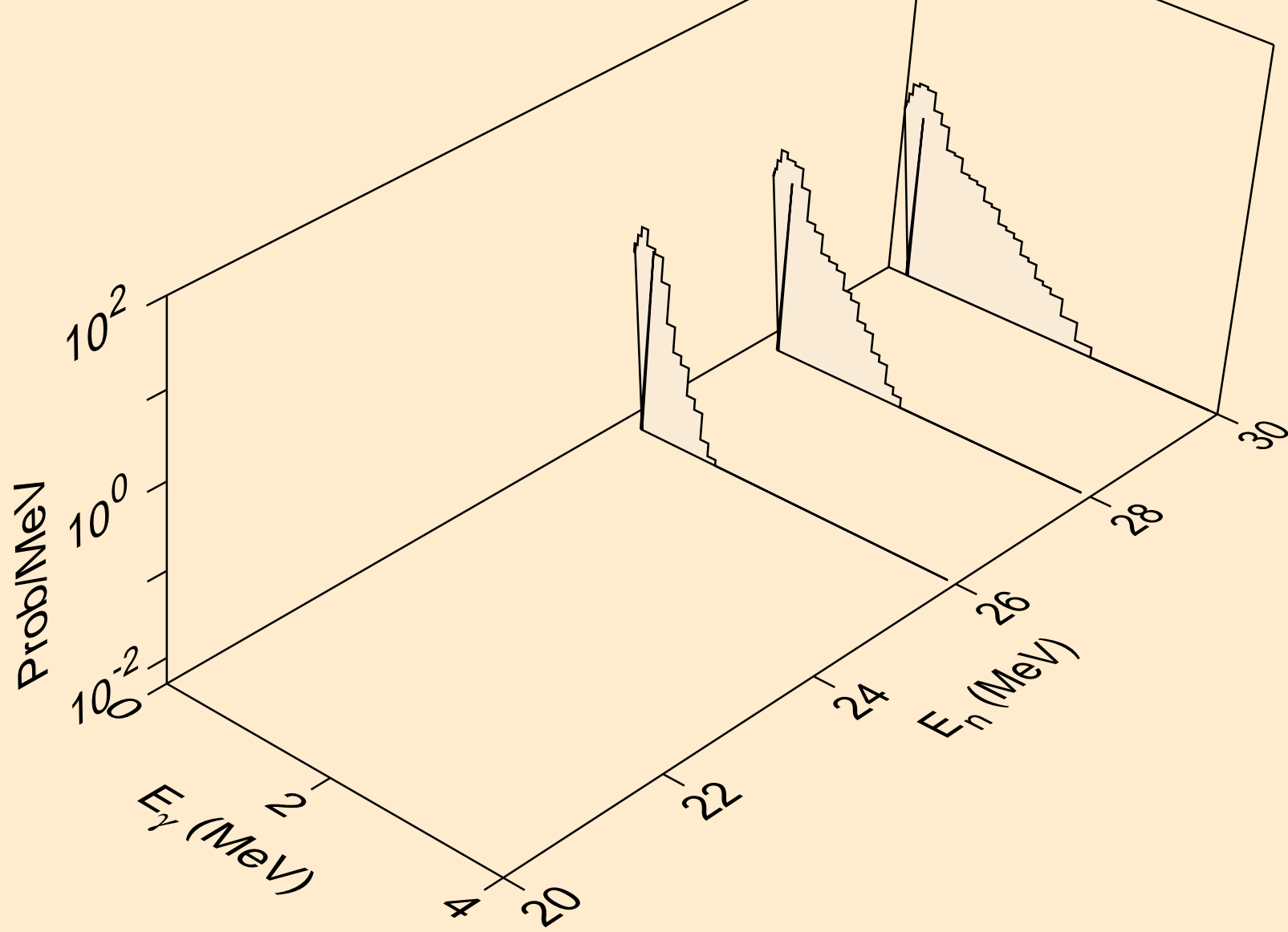




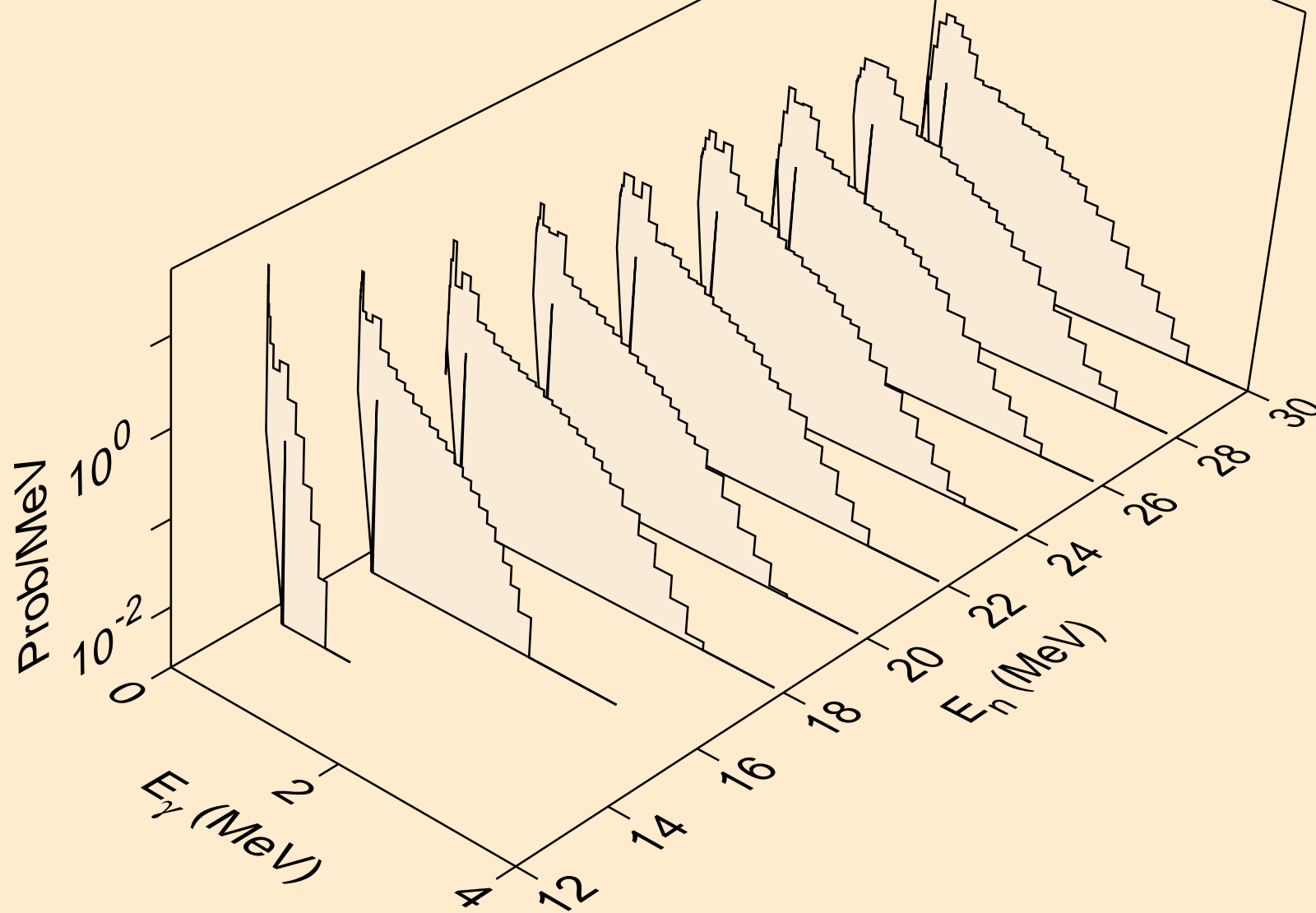
CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,x)



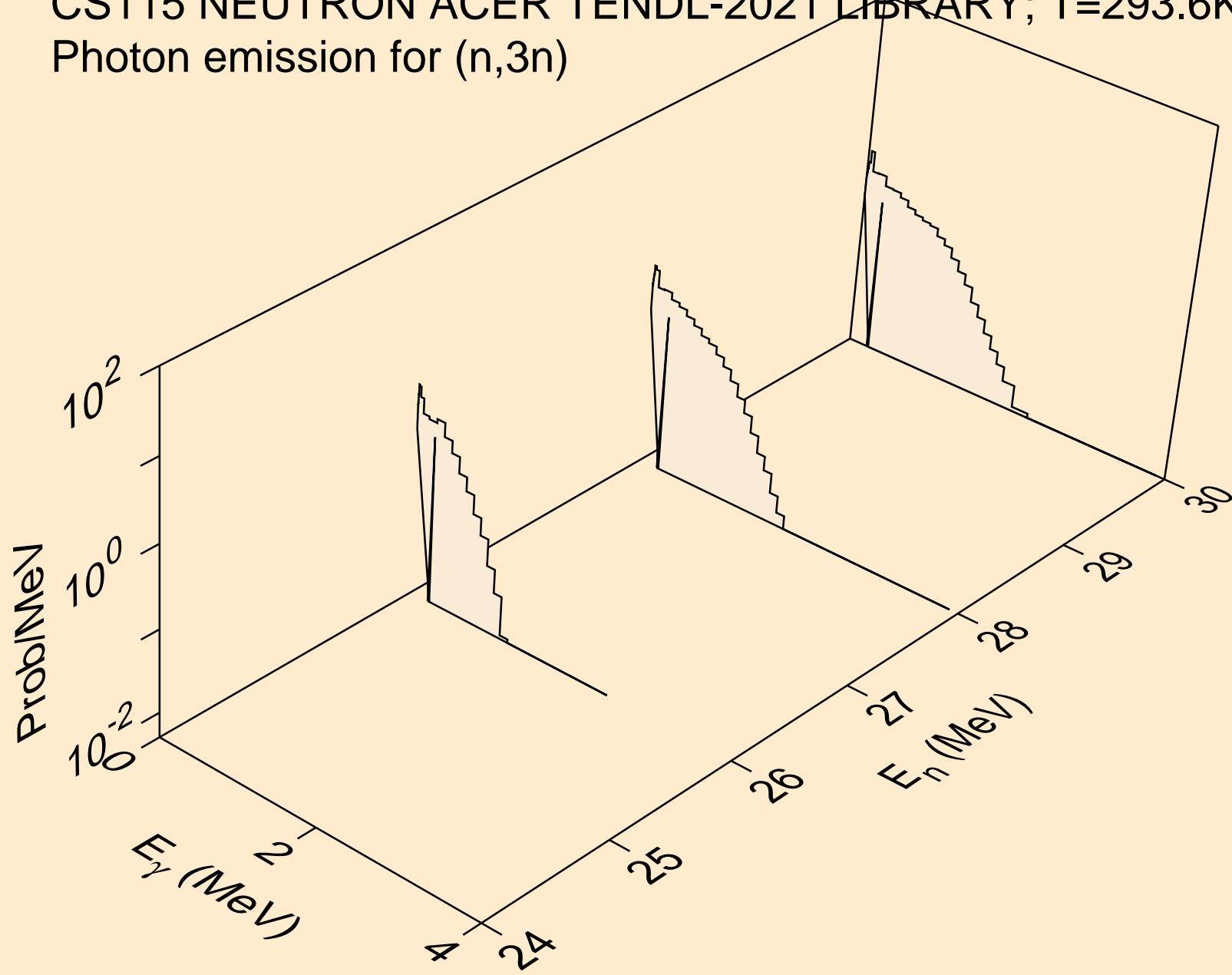
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Photon emission for (n,2nd)



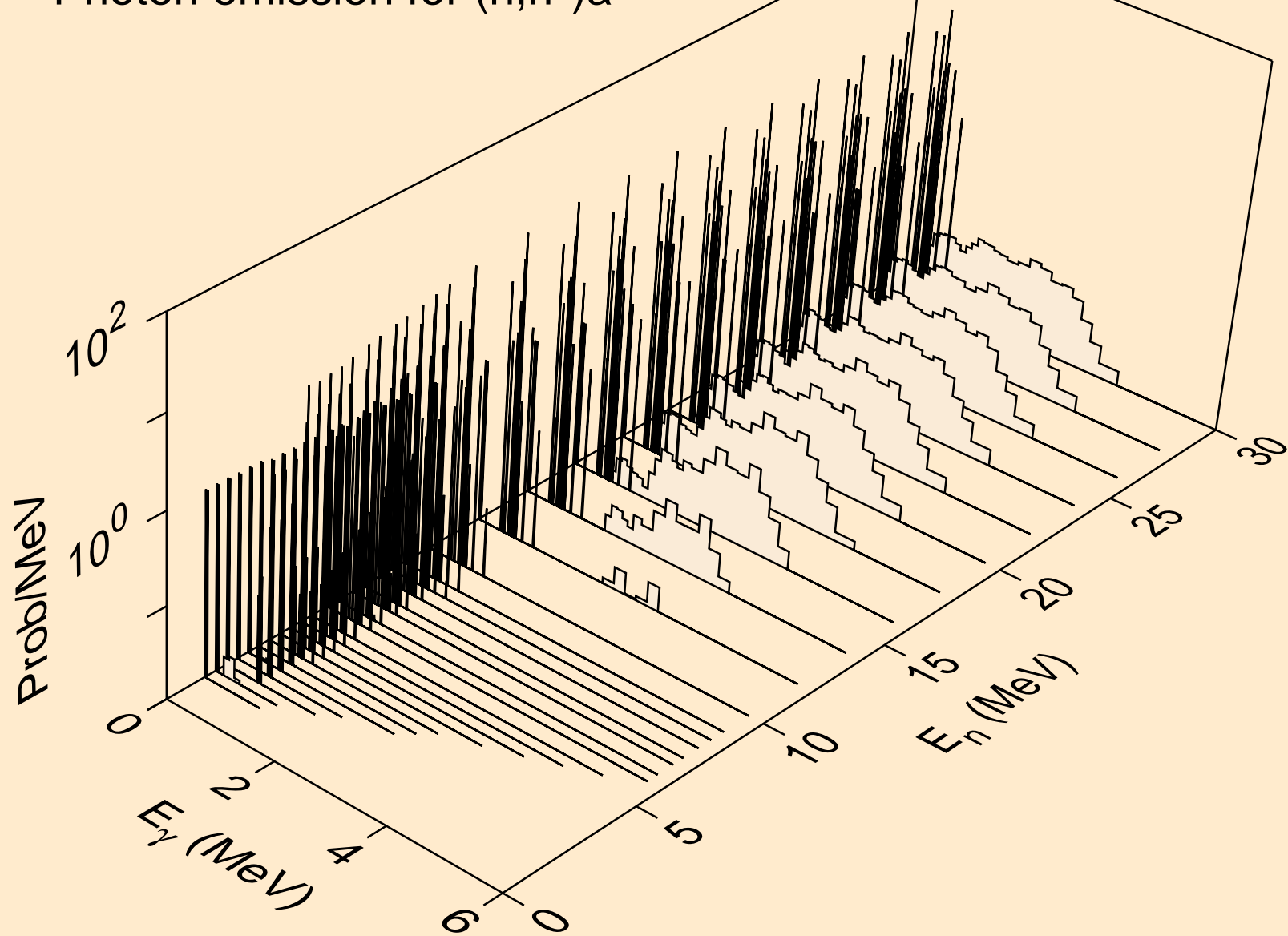
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Photon emission for (n,2n)



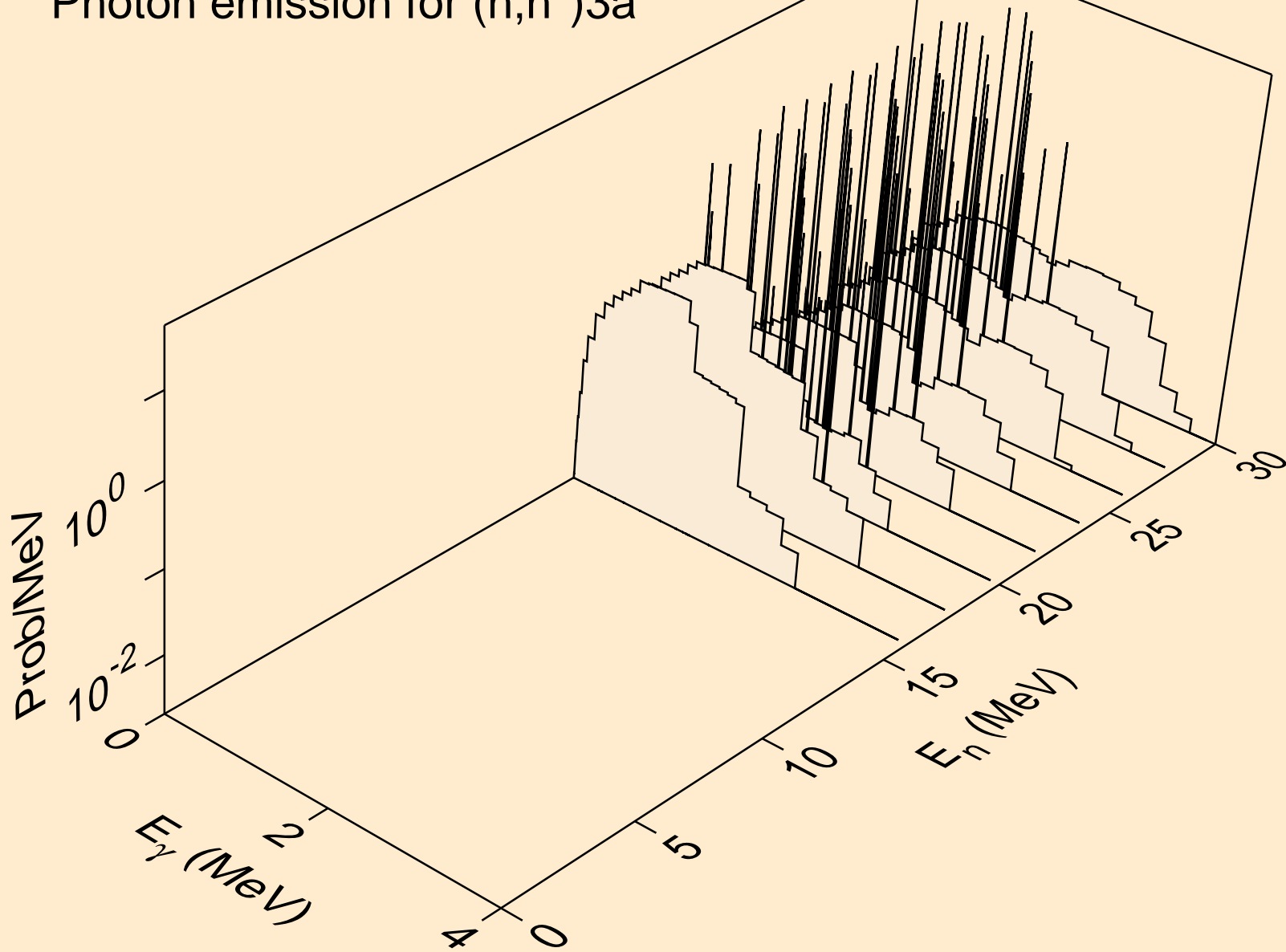
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Photon emission for (n,3n)



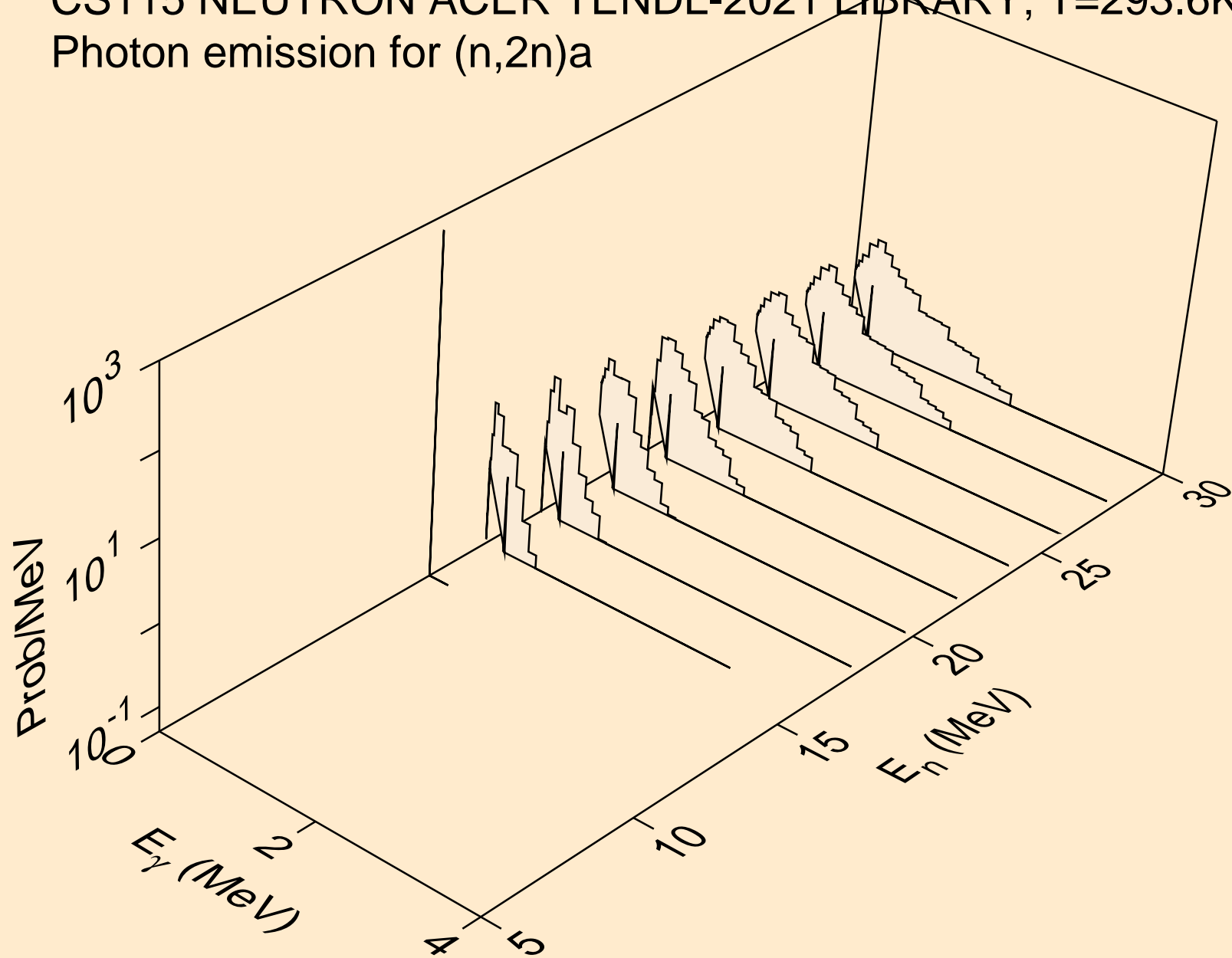
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Photon emission for (n,n\*)a



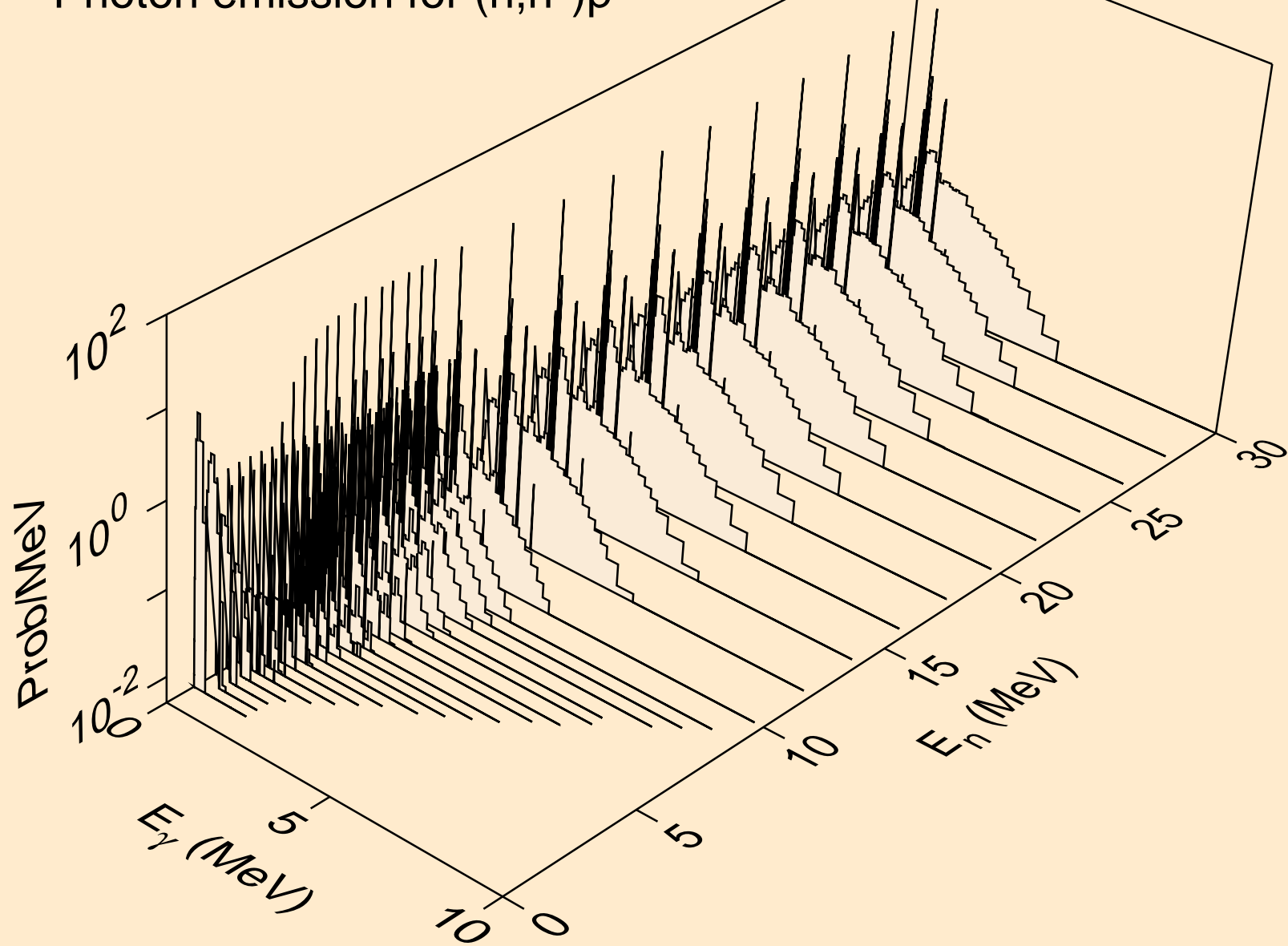
CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)3a



CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2n) $\alpha$

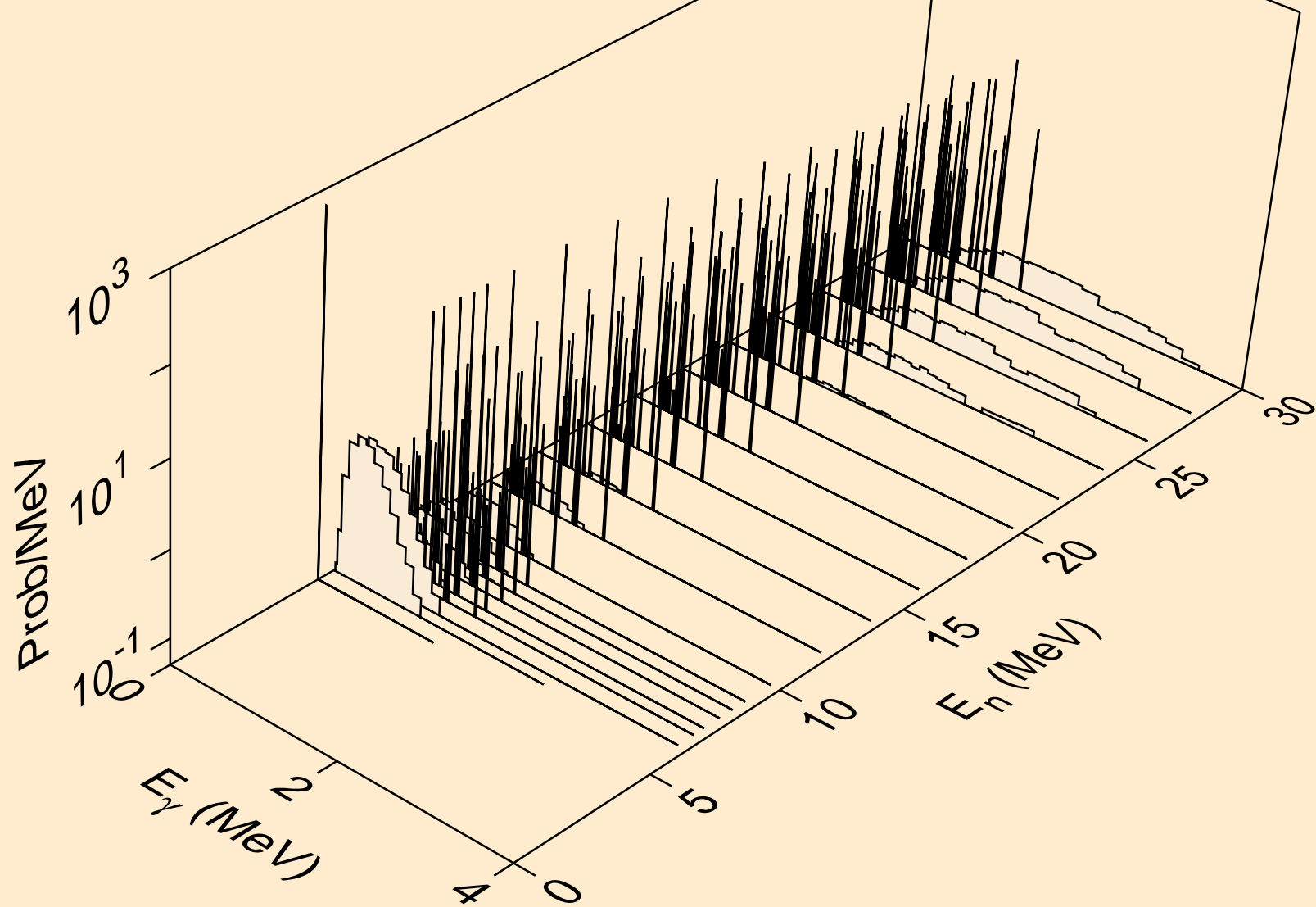


CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)p

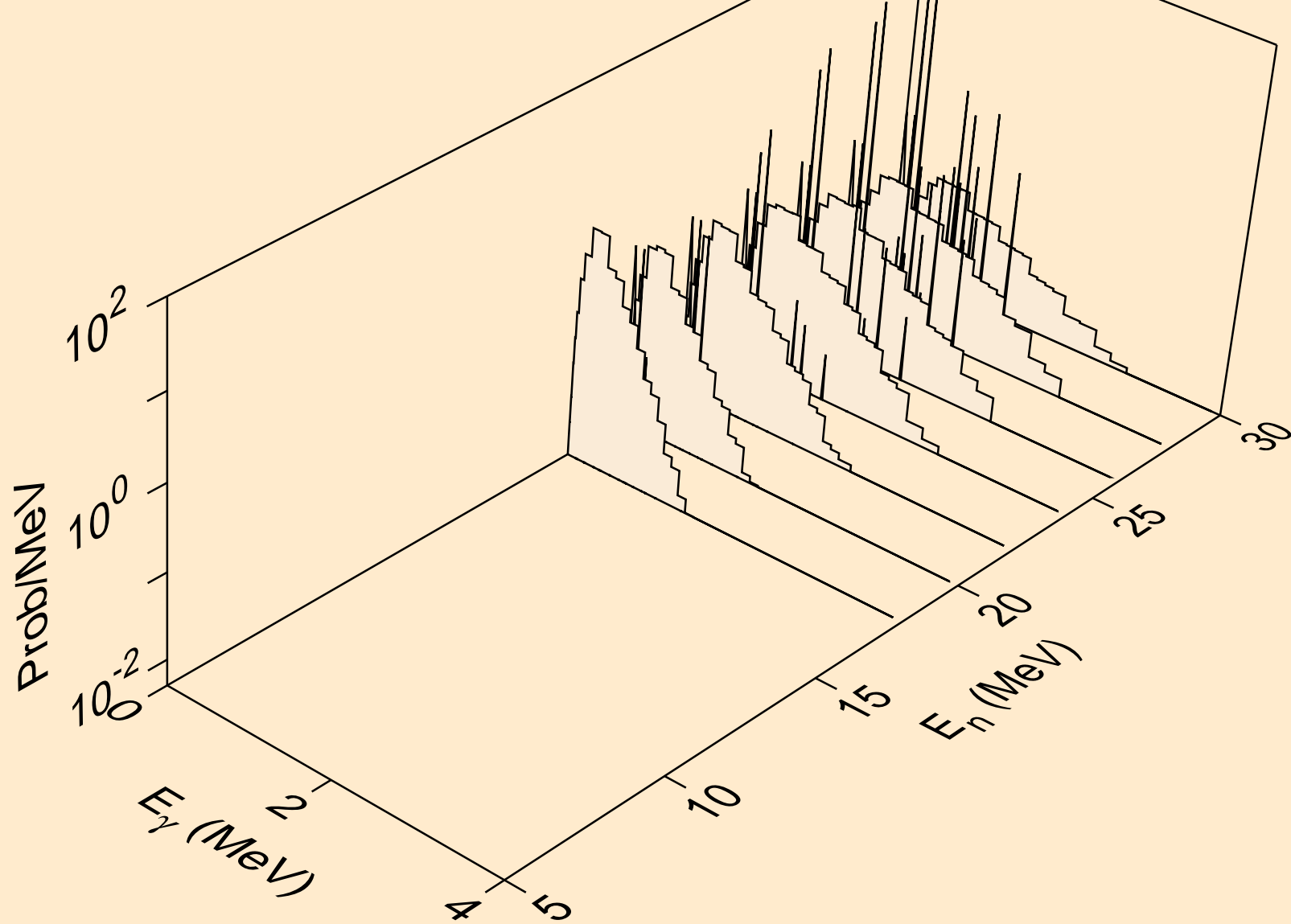




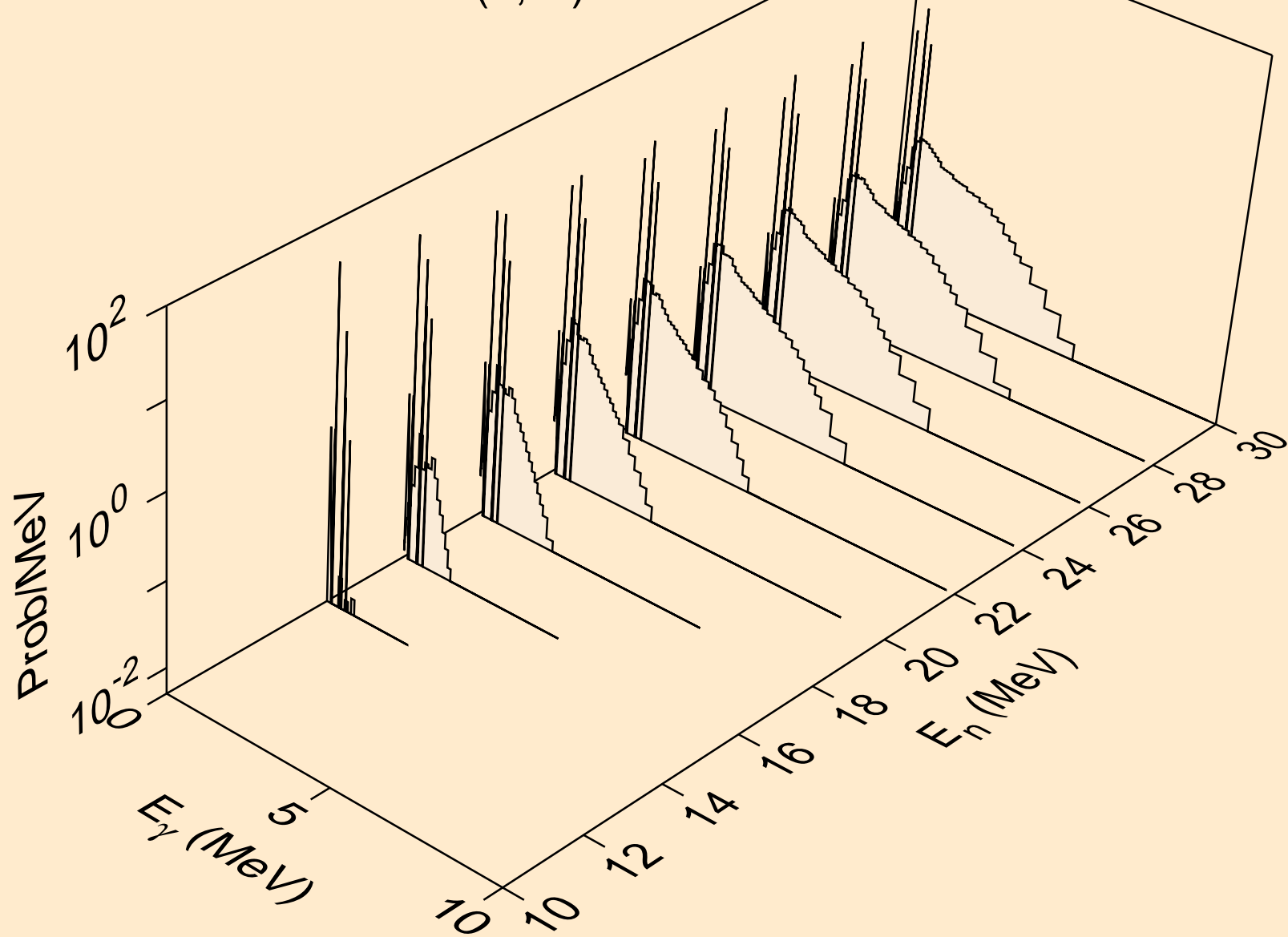
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Photon emission for (n,n\*)2a



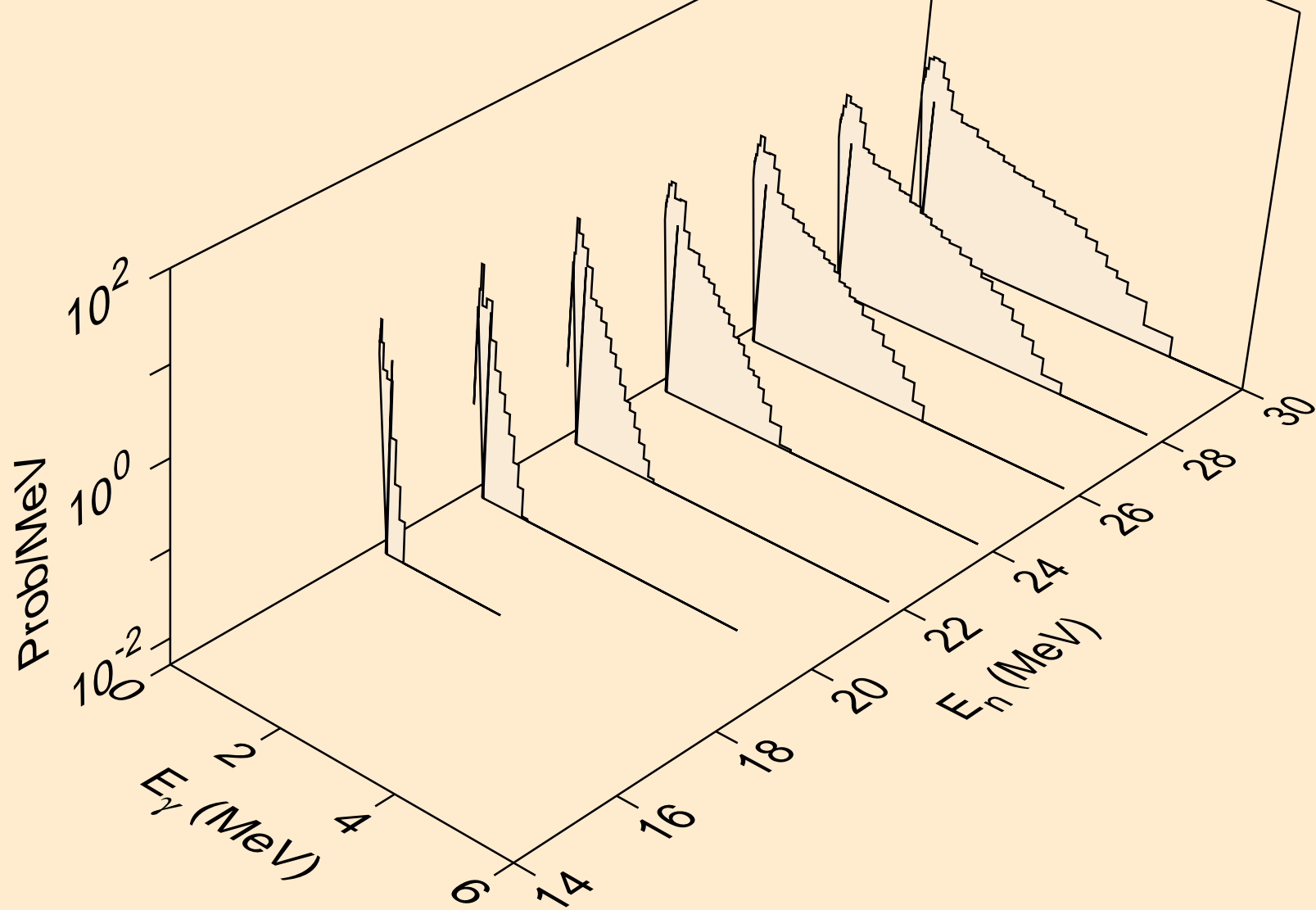
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Photon emission for (n,2n)2a



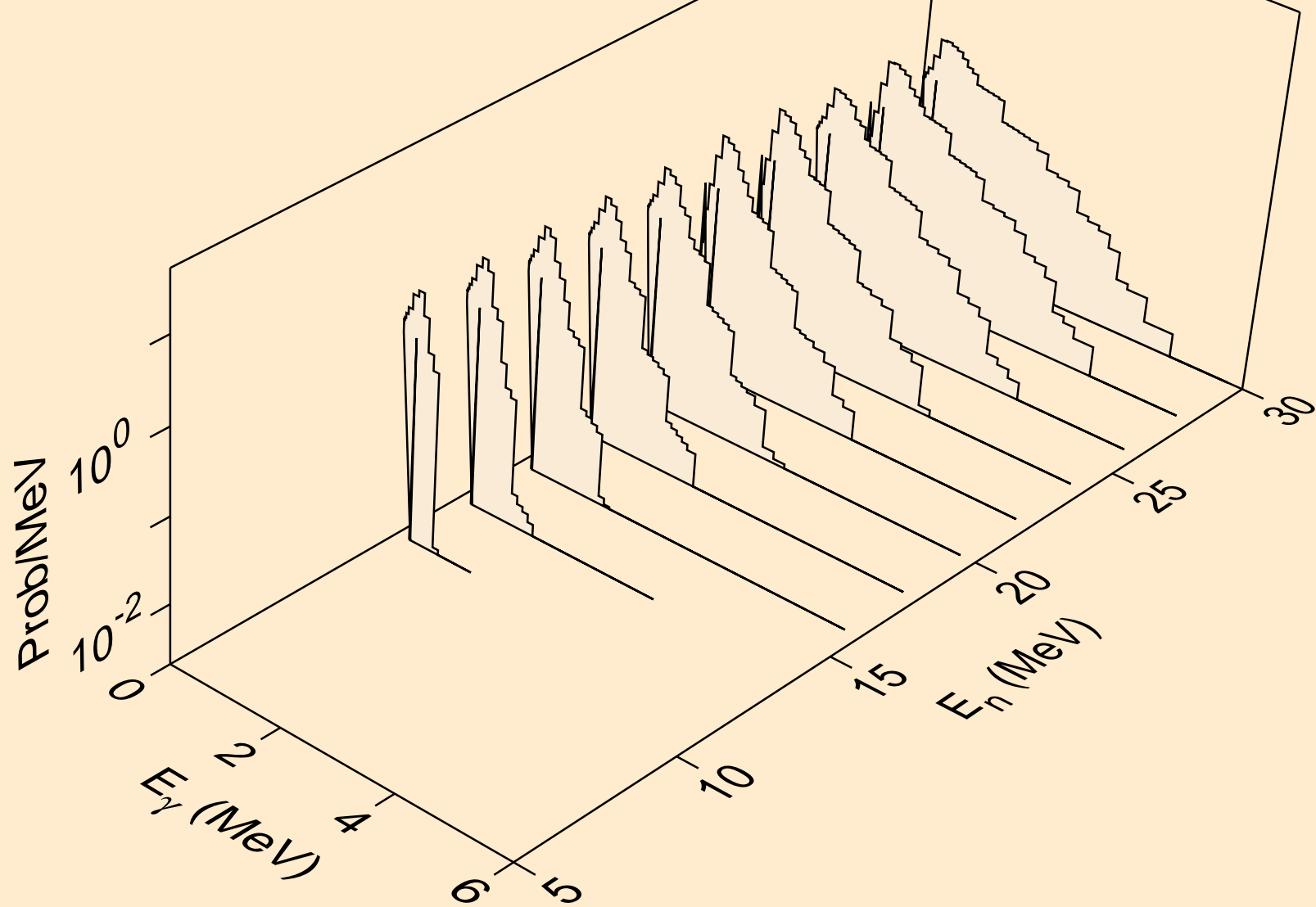
CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)d



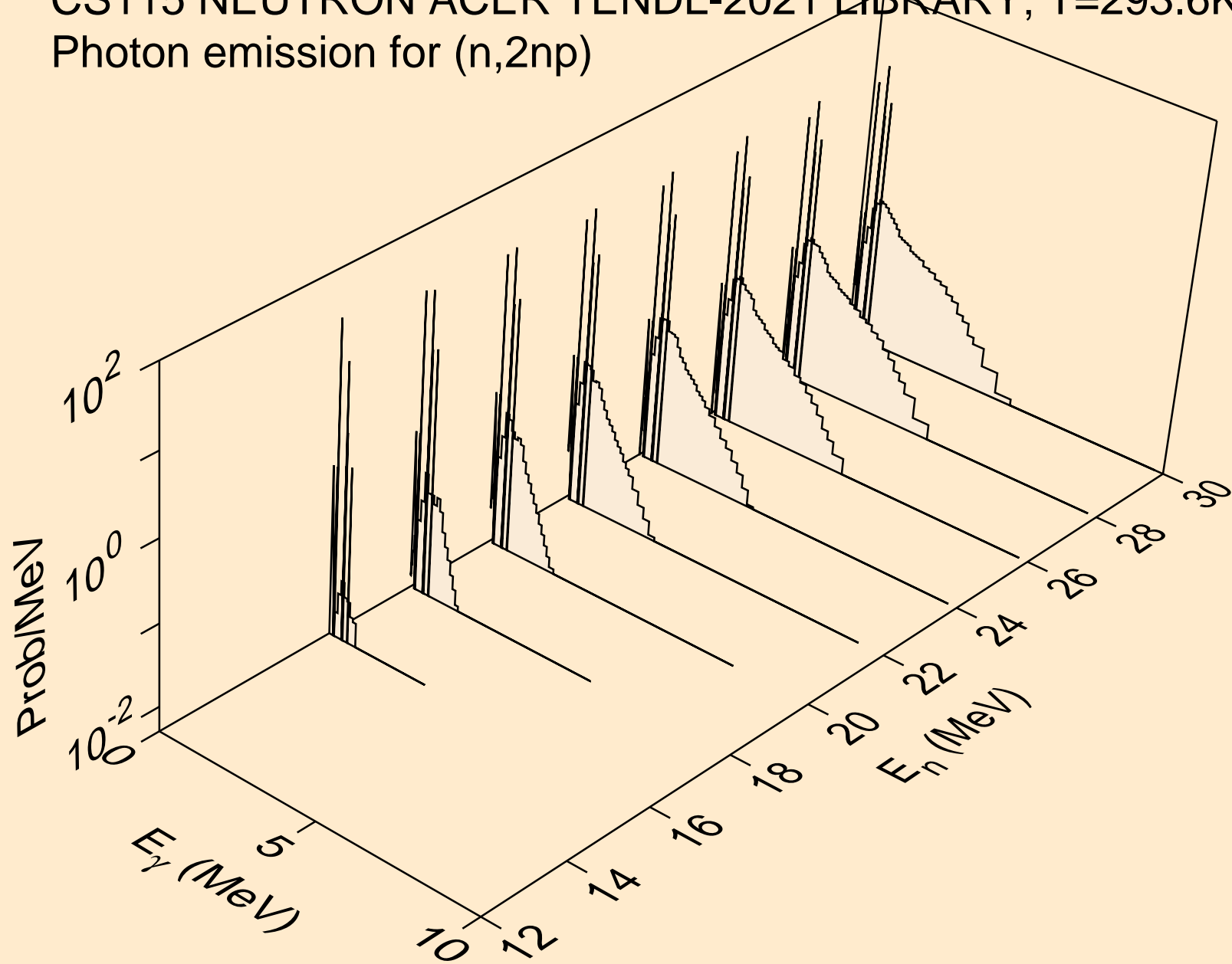
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Photon emission for (n,n\*)t



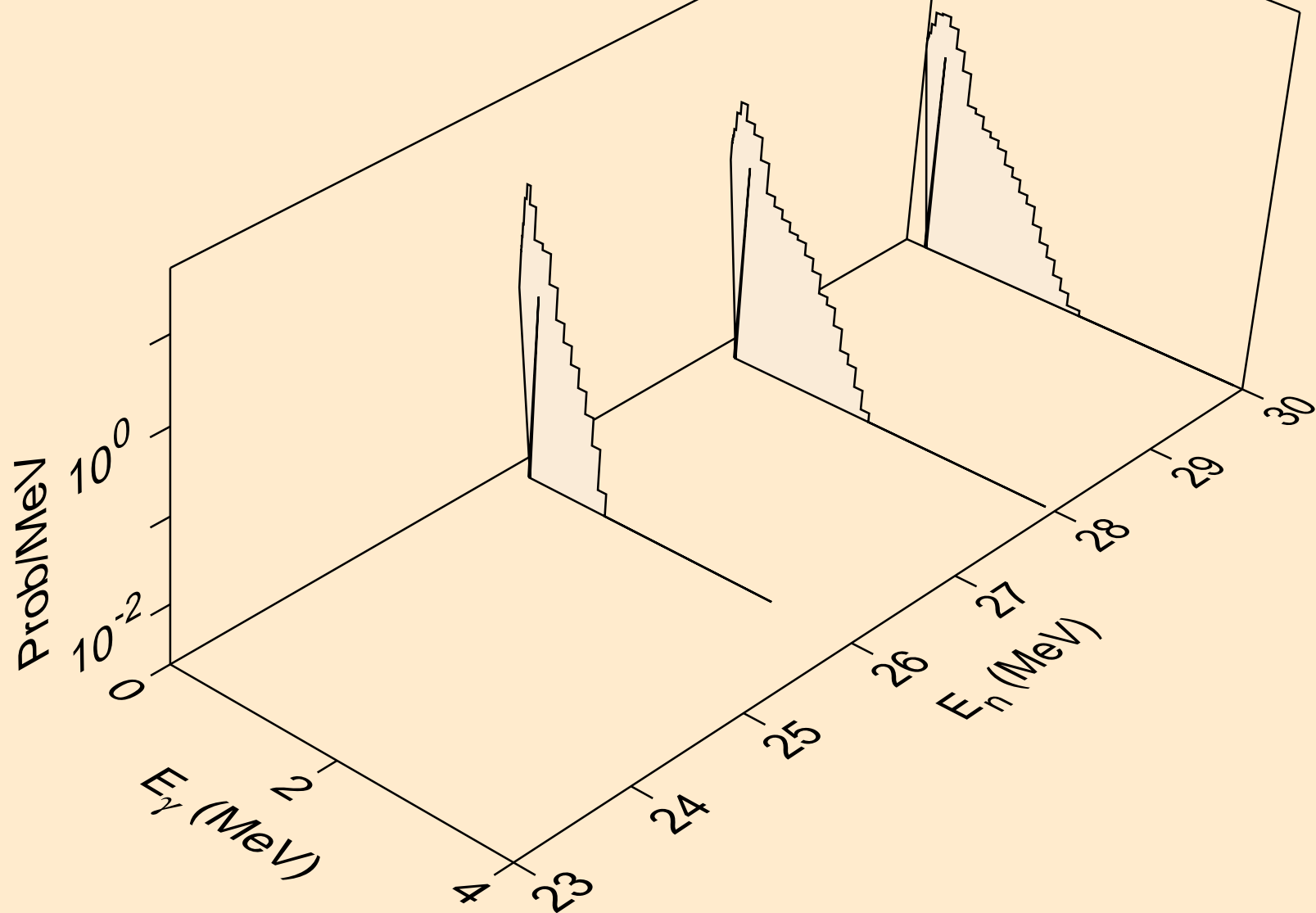
CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)he3



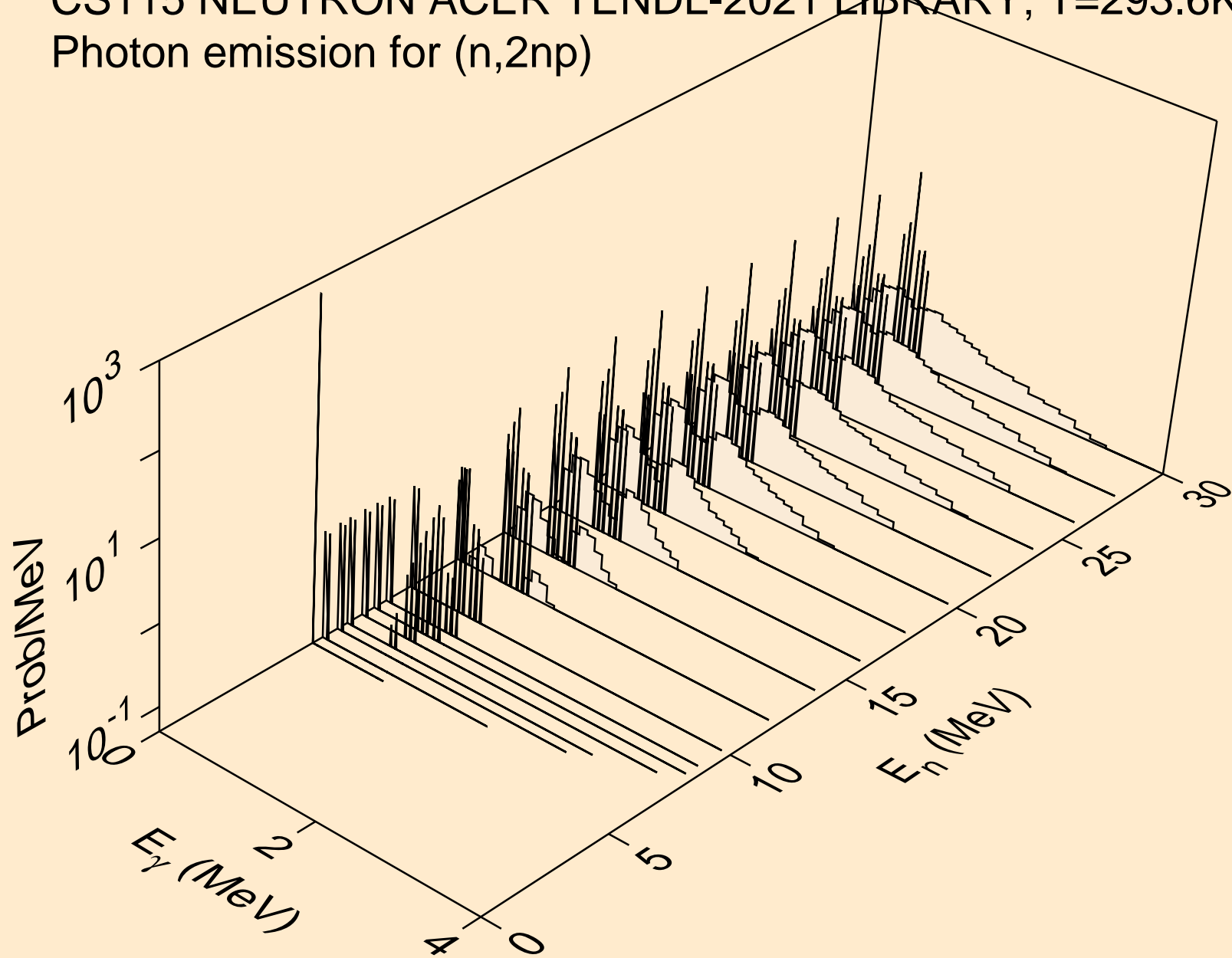
CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2np)



CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3np)

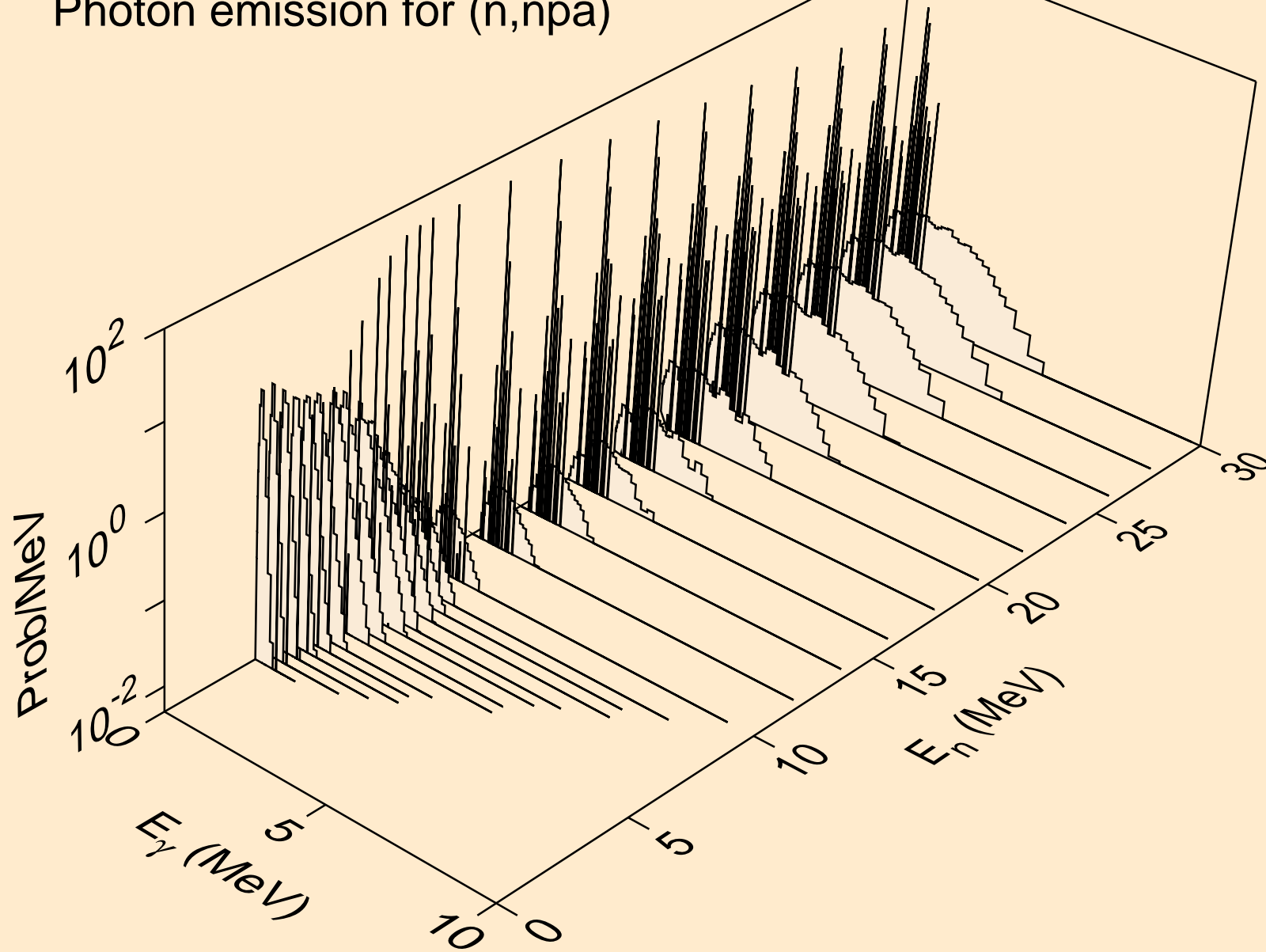


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Photon emission for (n,2np)

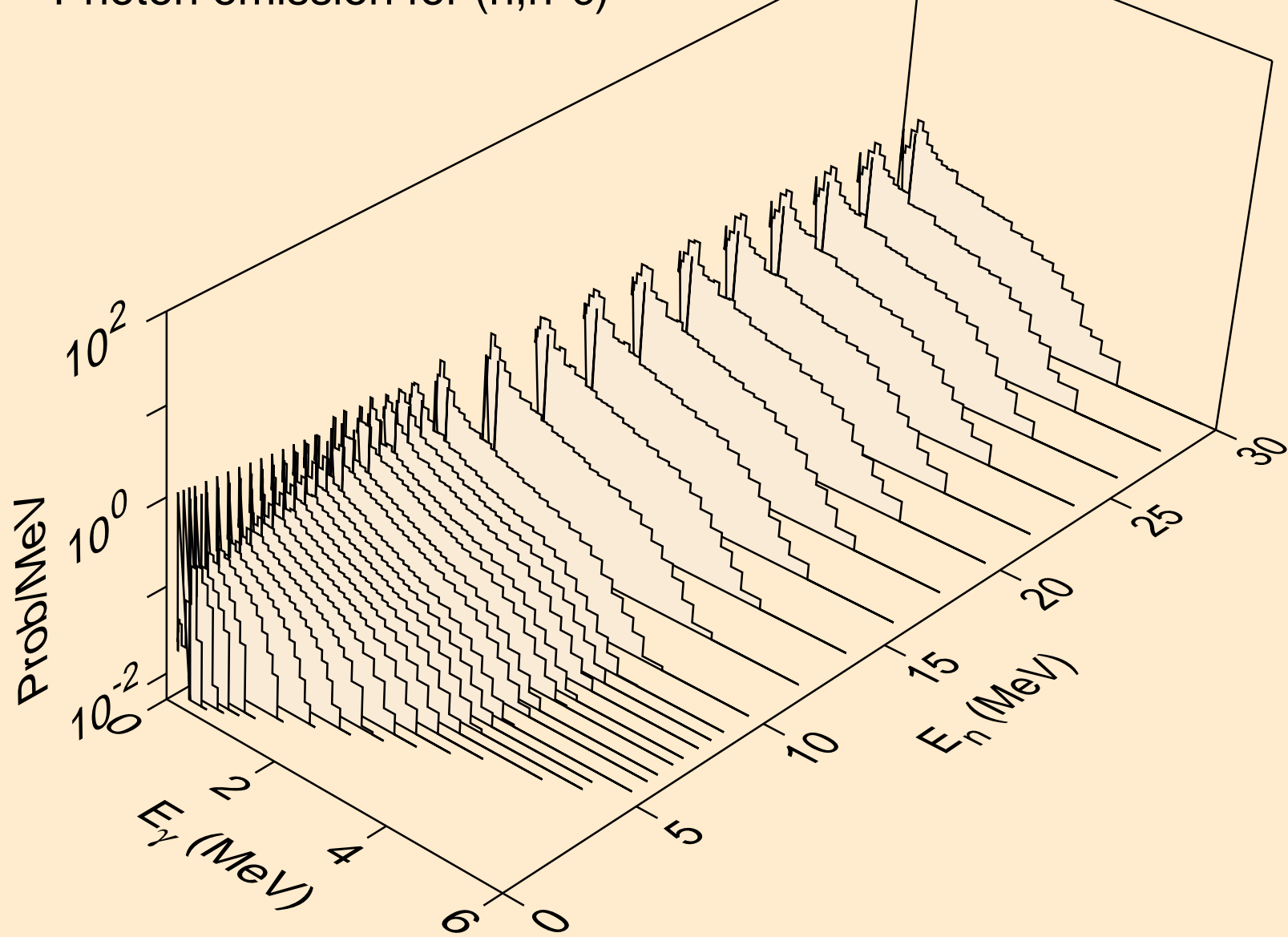




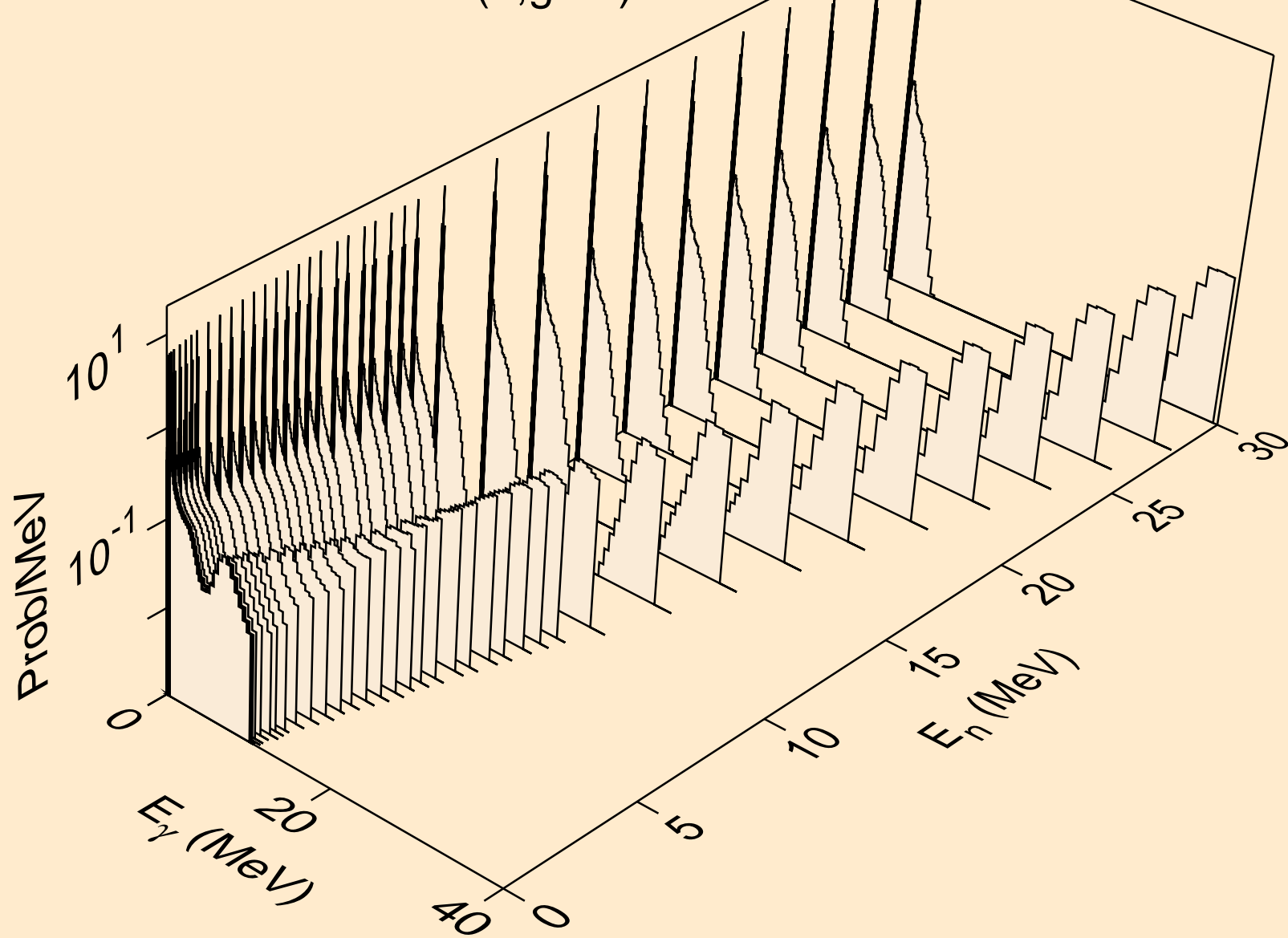
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Photon emission for (n,npa)



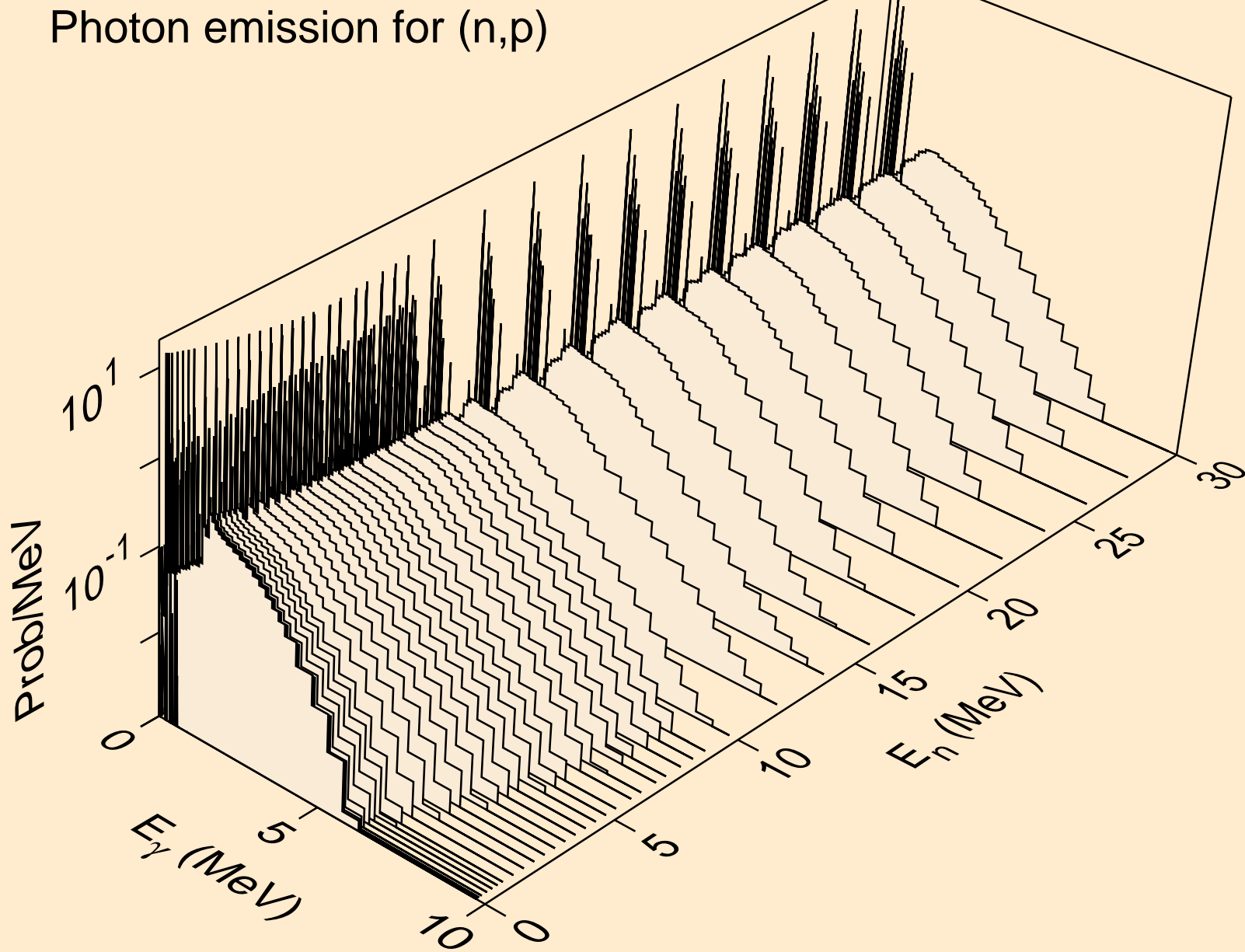
CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*c)



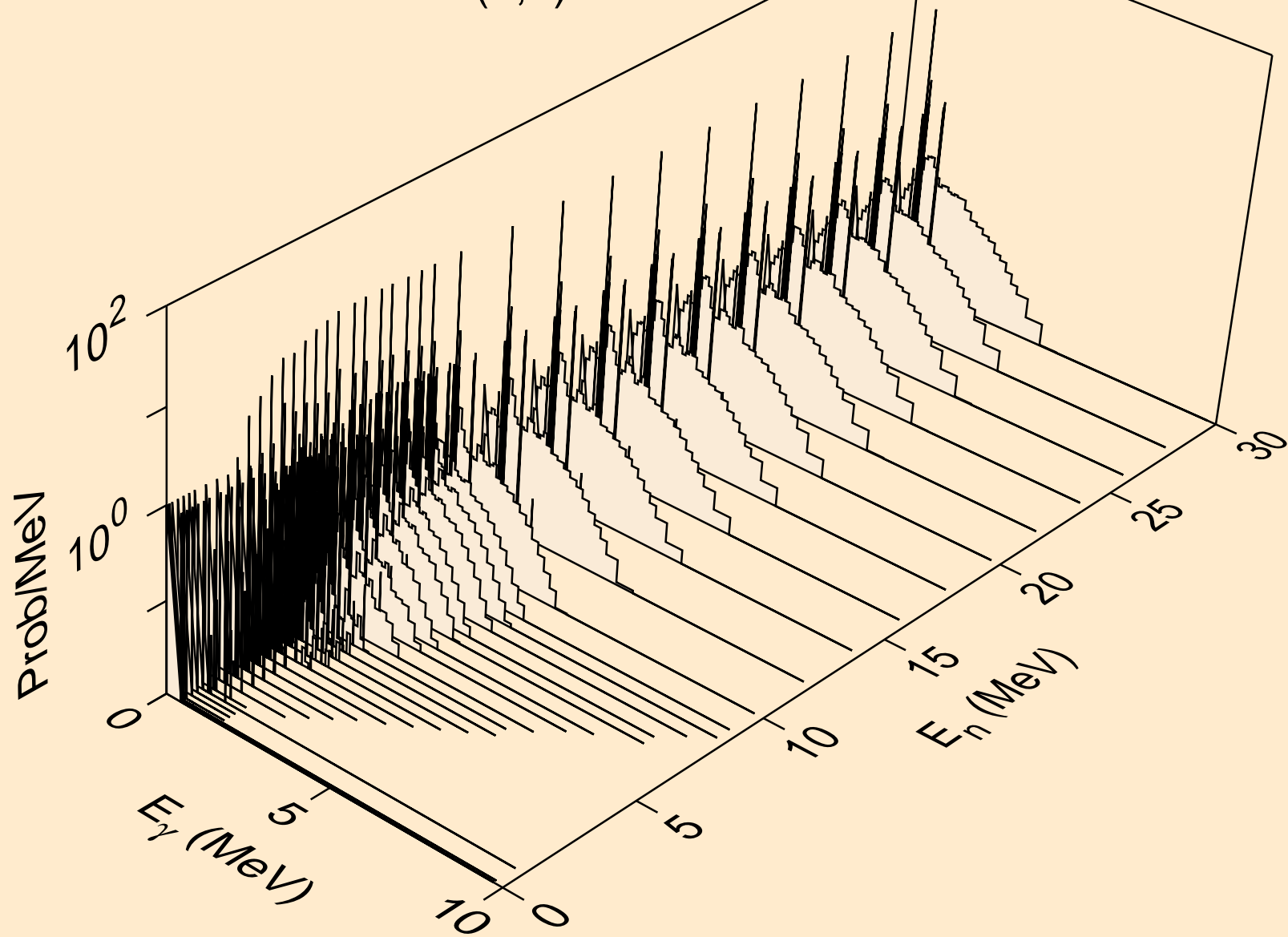
CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,gma)



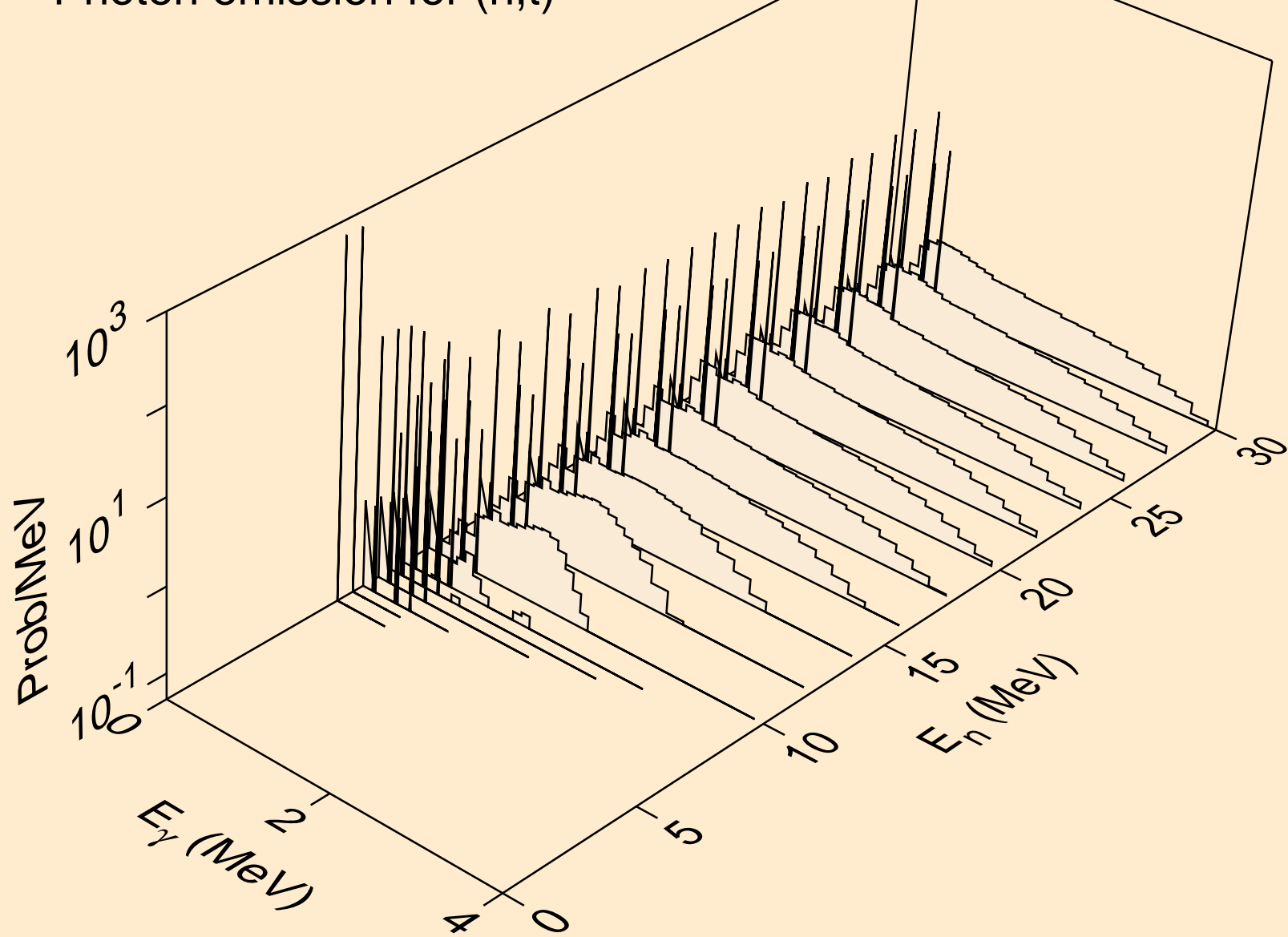
CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,p)



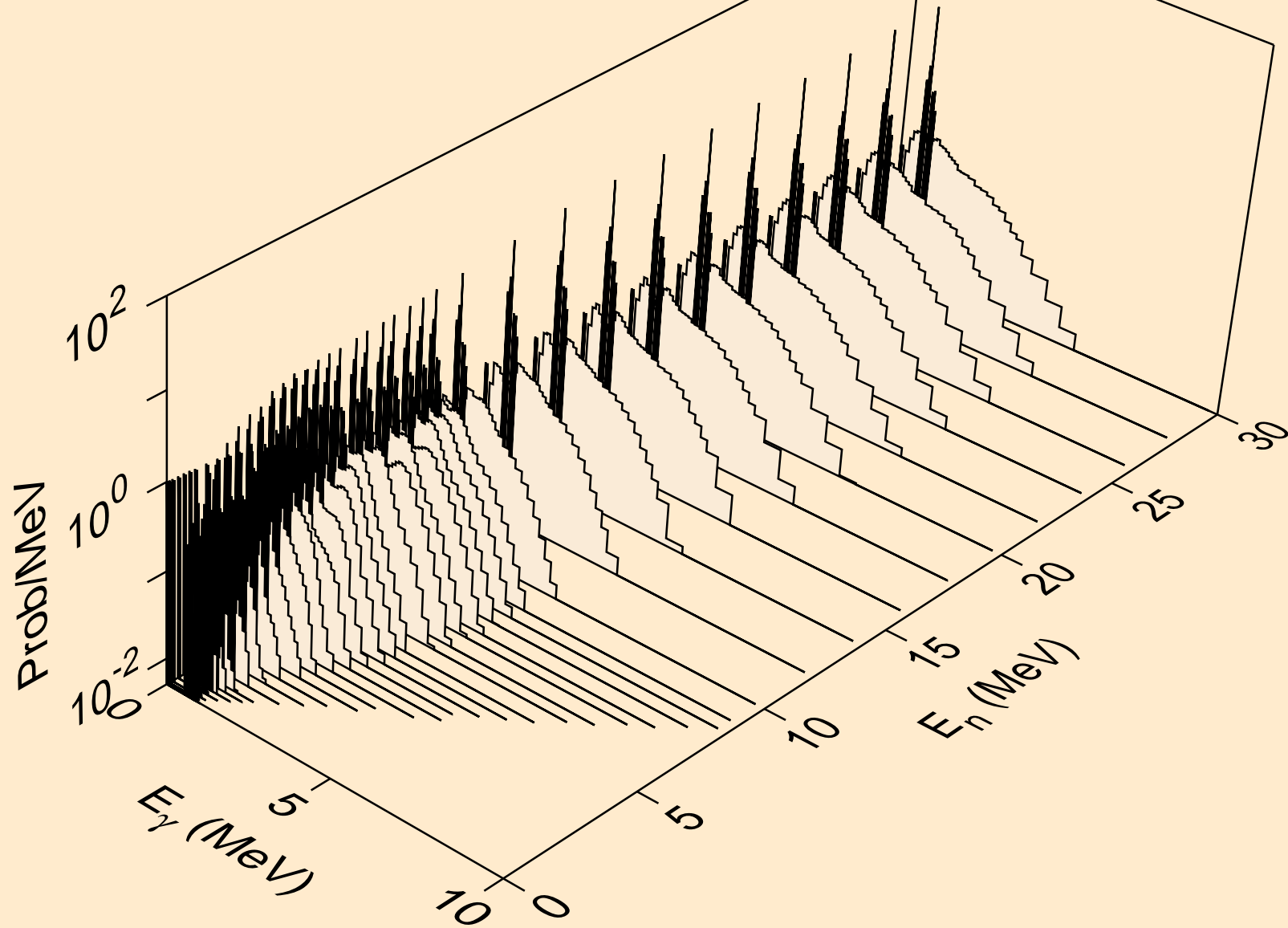
CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,d)



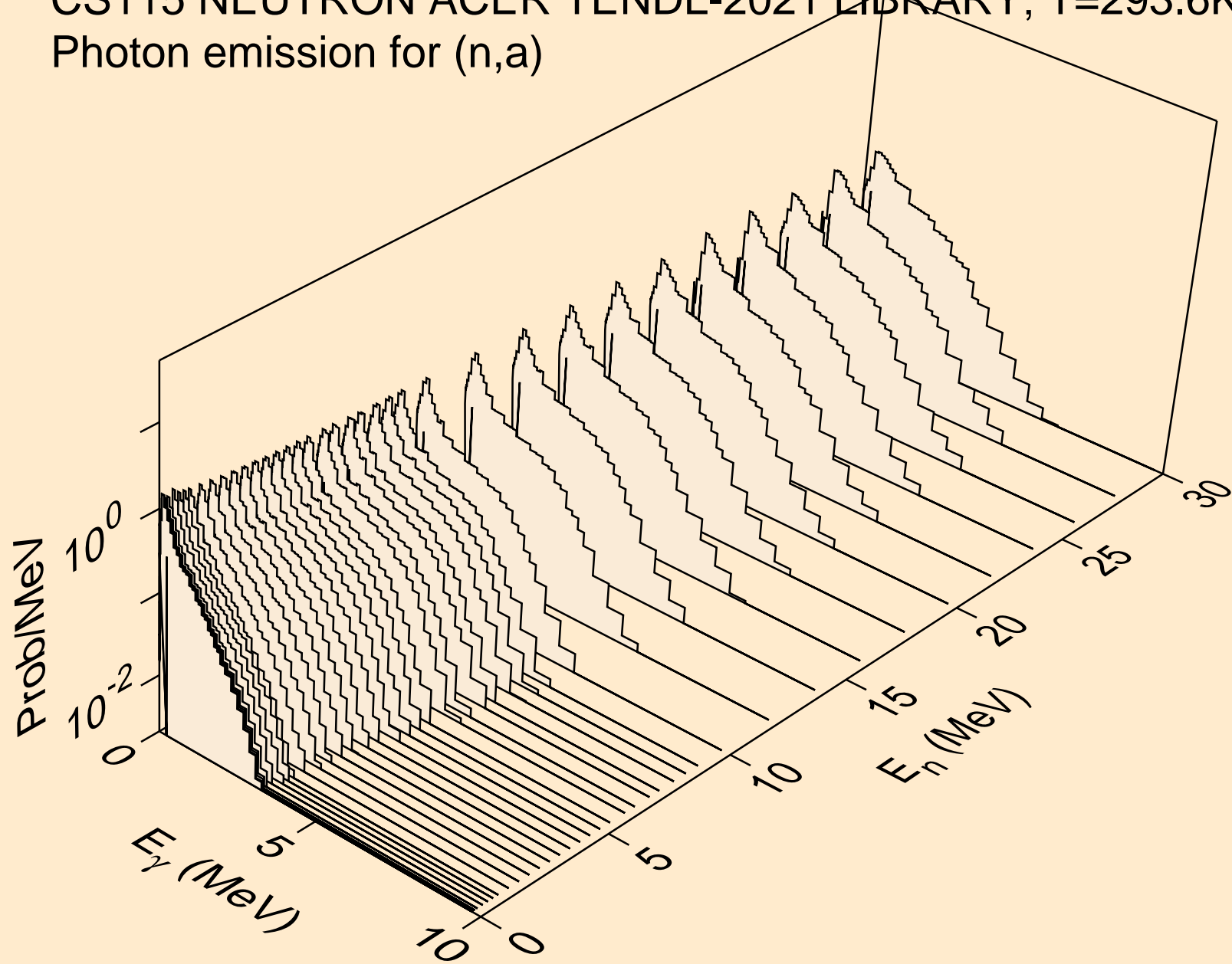
CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,t)



CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,he3)

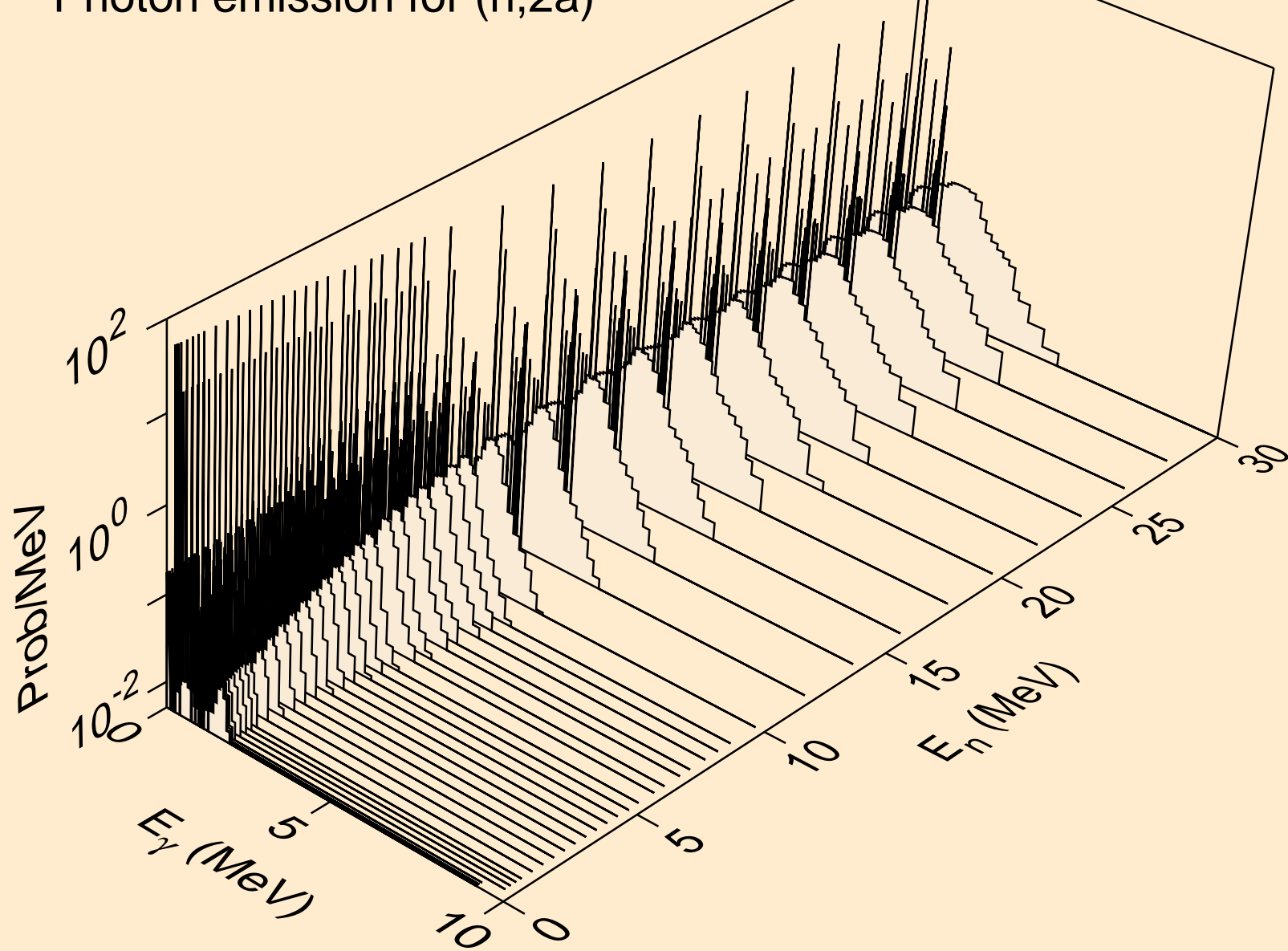


CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,a)

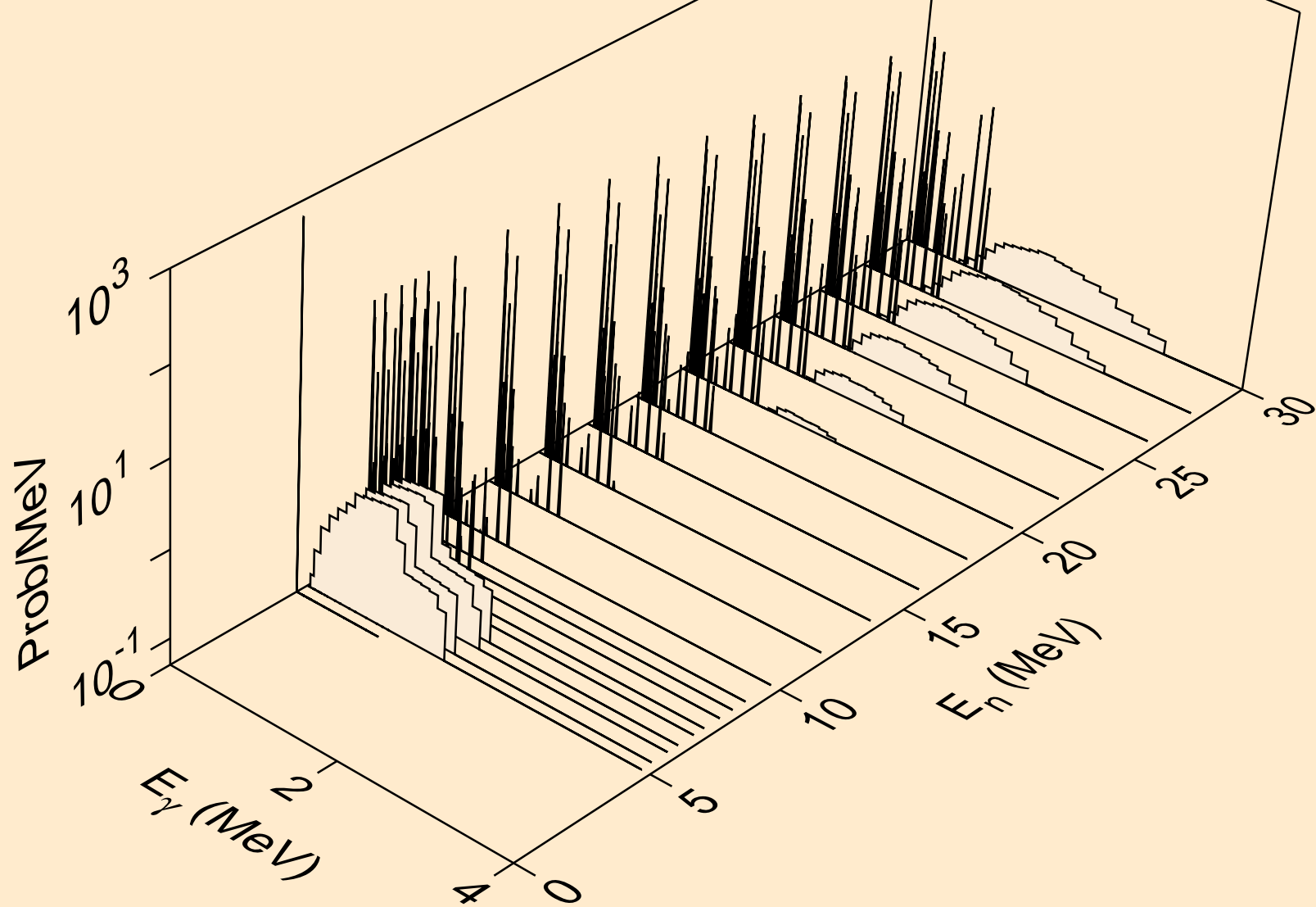




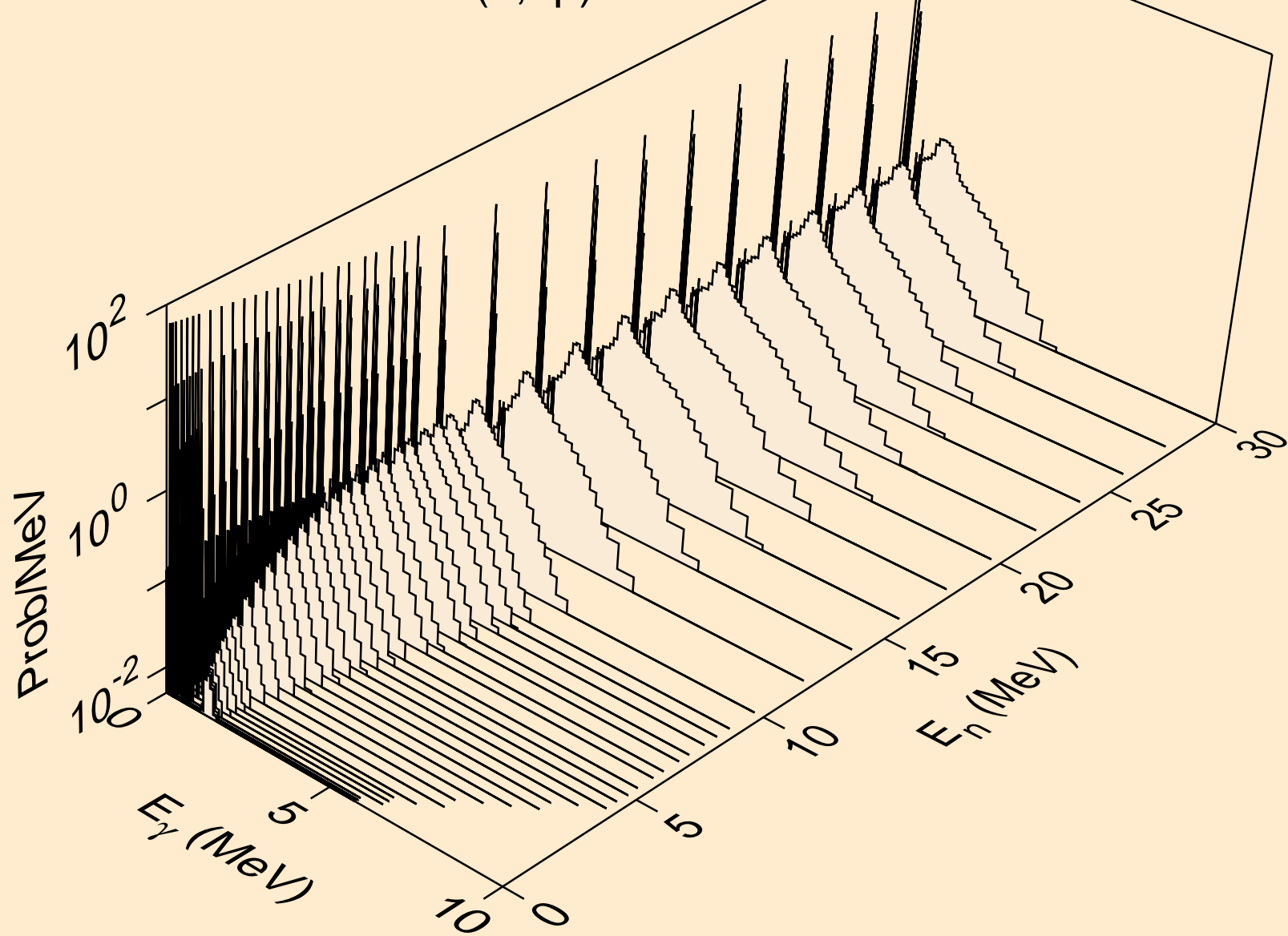
CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2a)



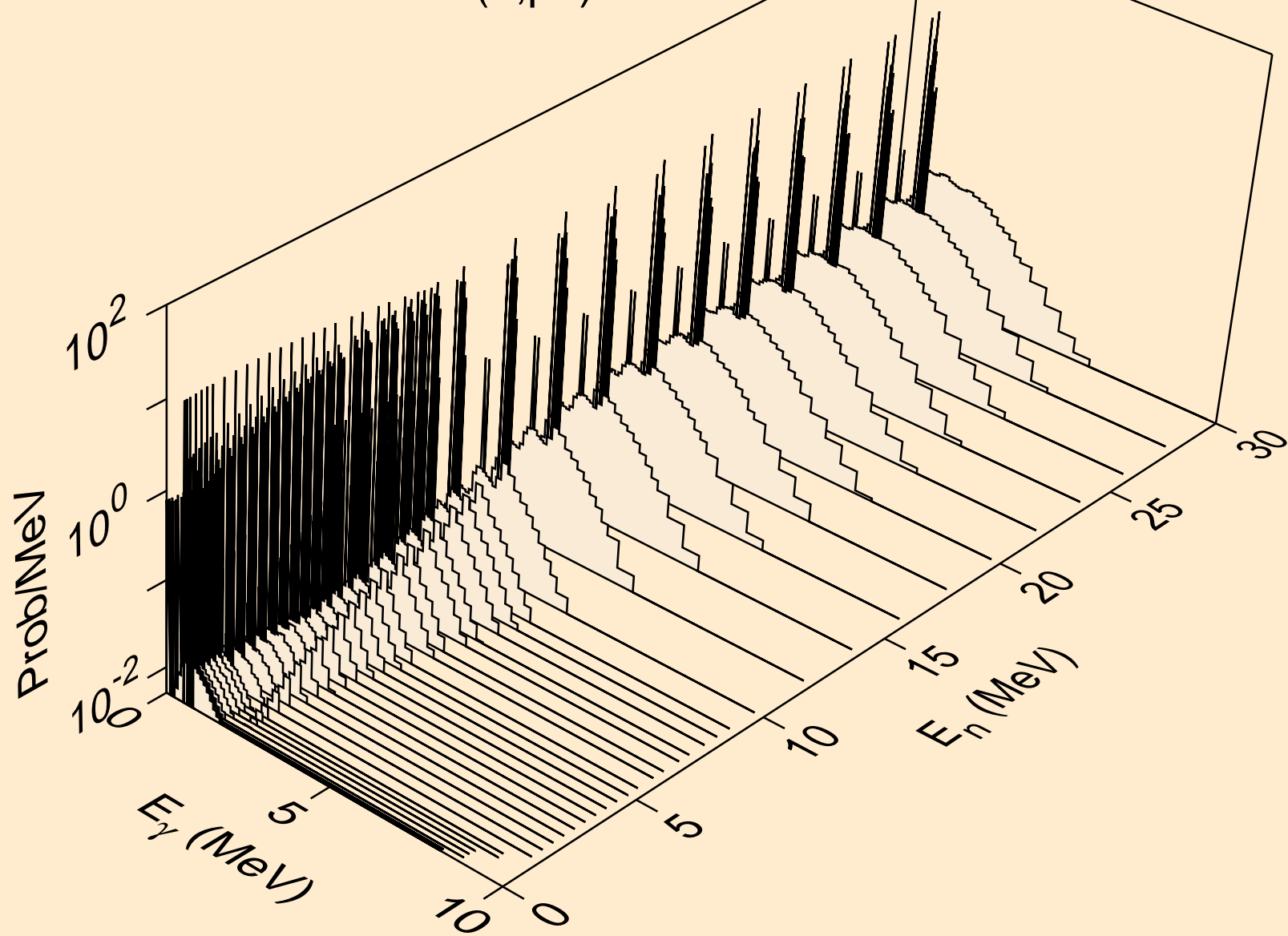
CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3a)



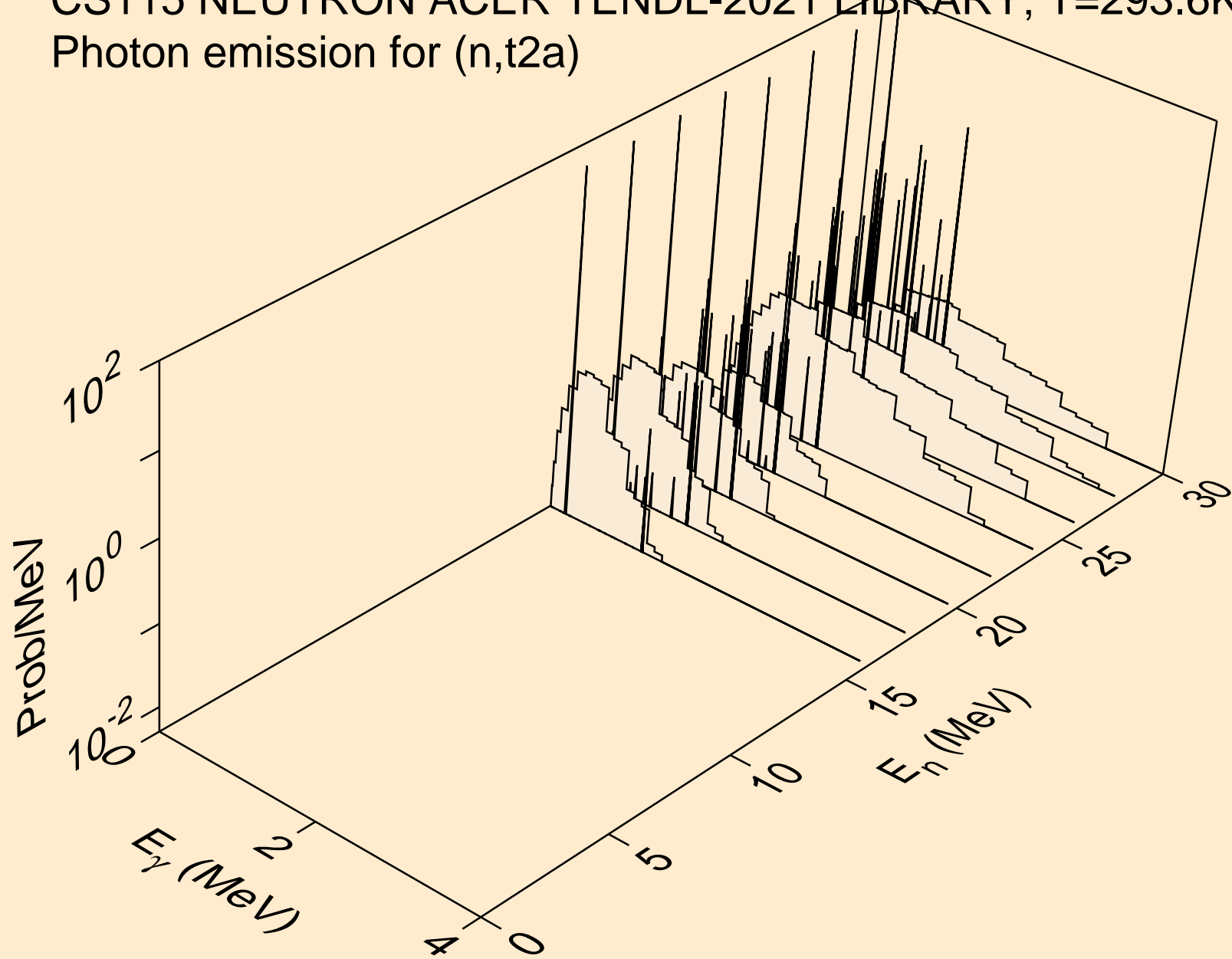
CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2p)



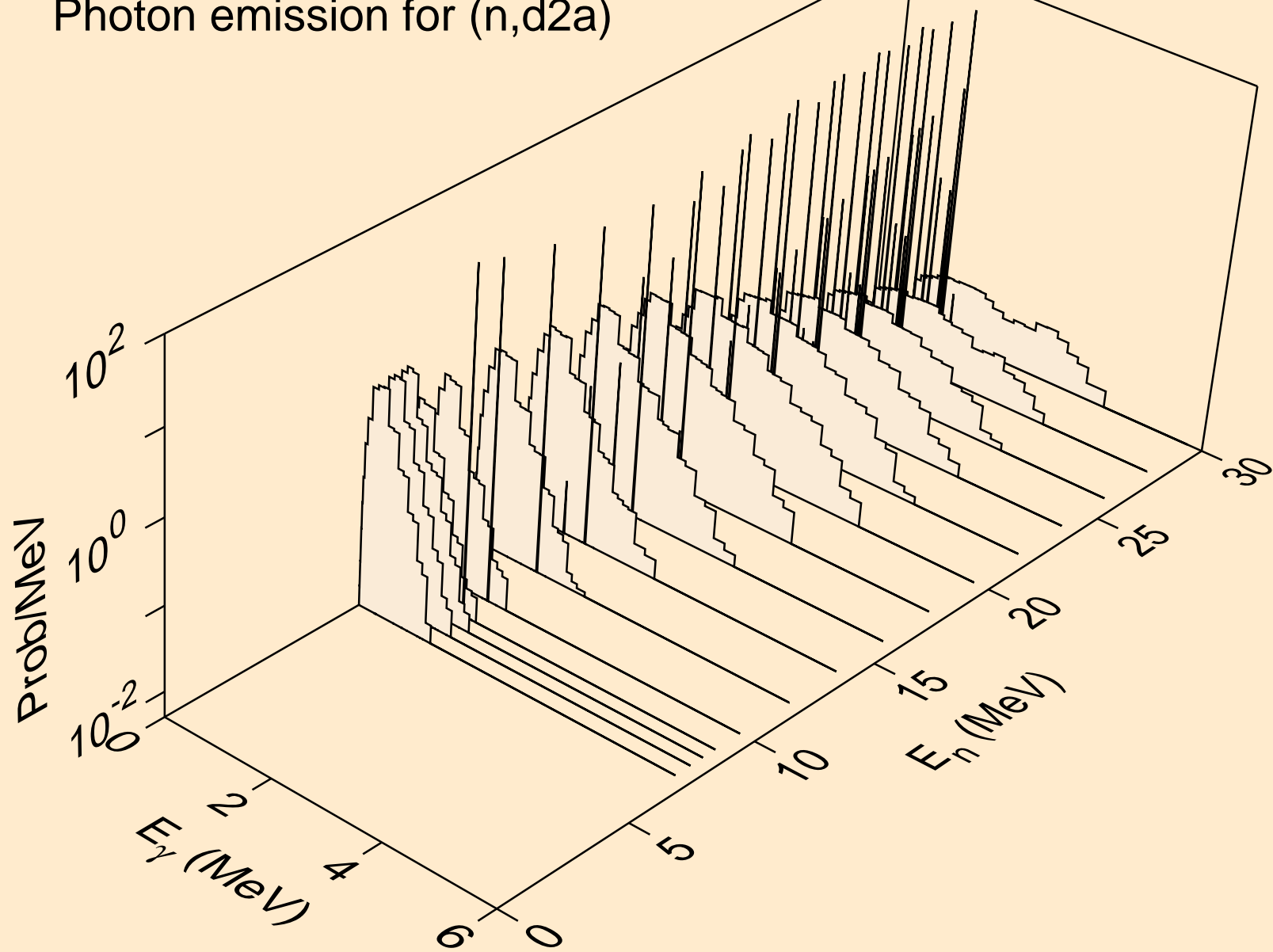
CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,p $\alpha$ )



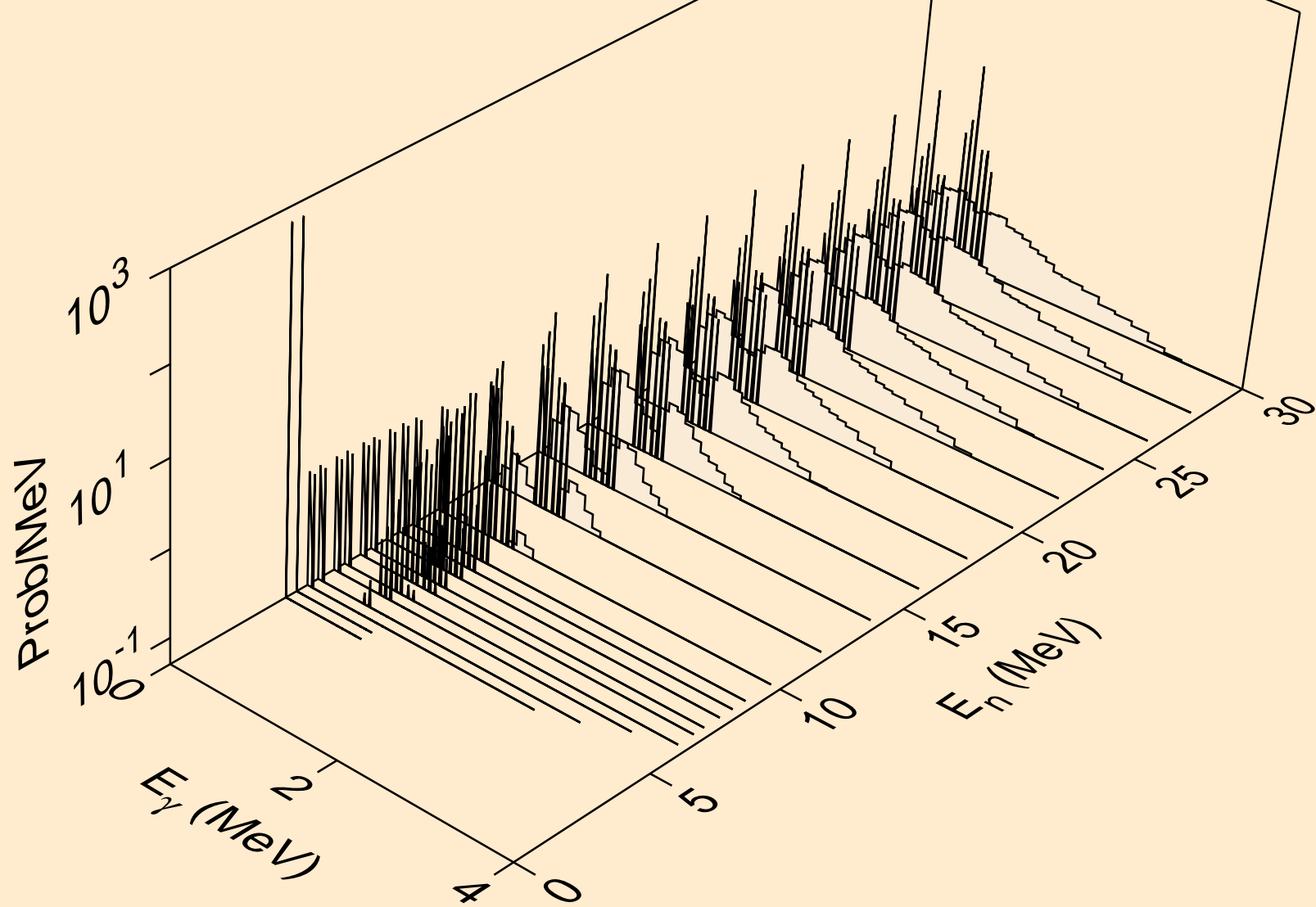
CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,t2a)



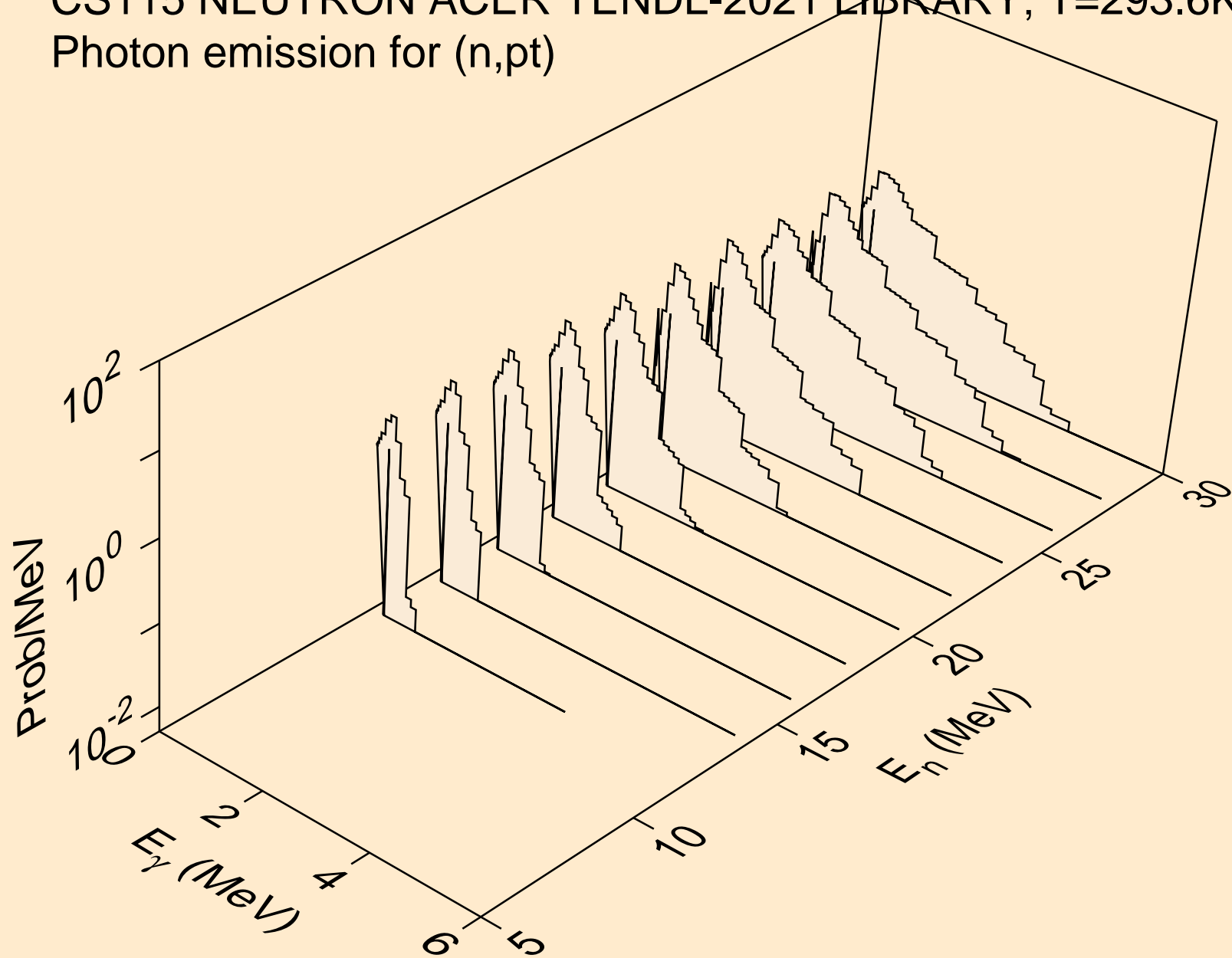
CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,d2a)



CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,pd)

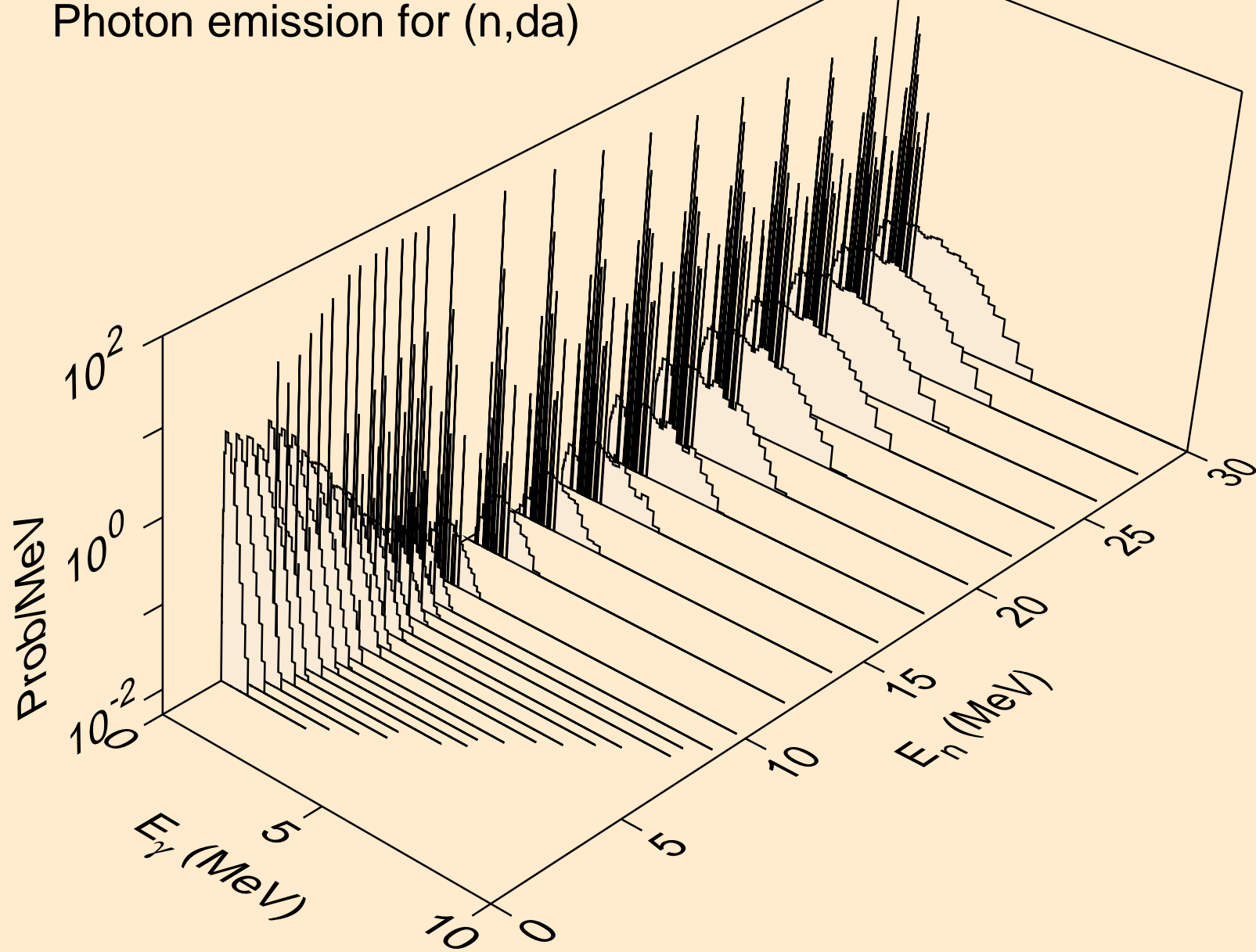


CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,pt)

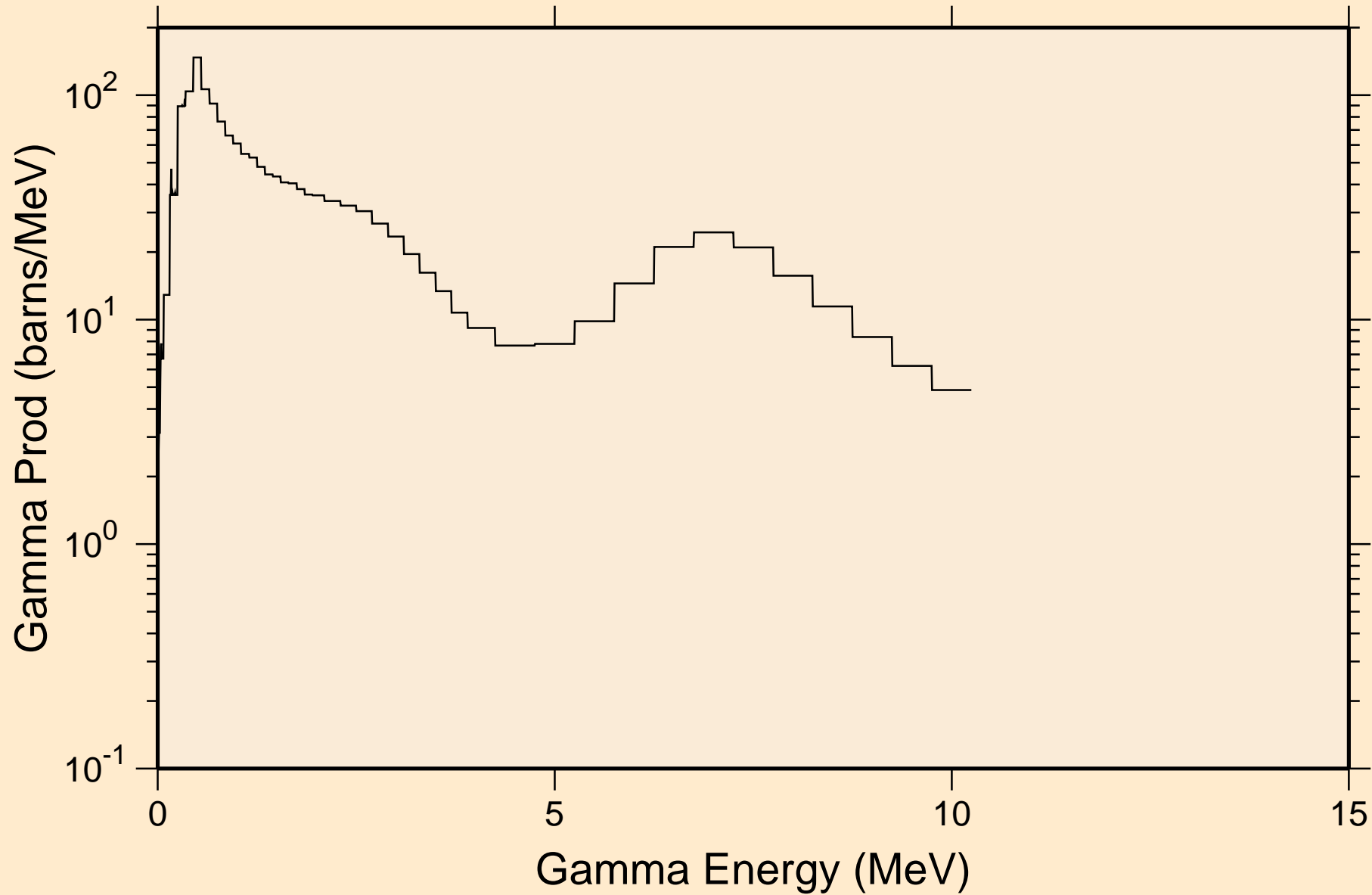




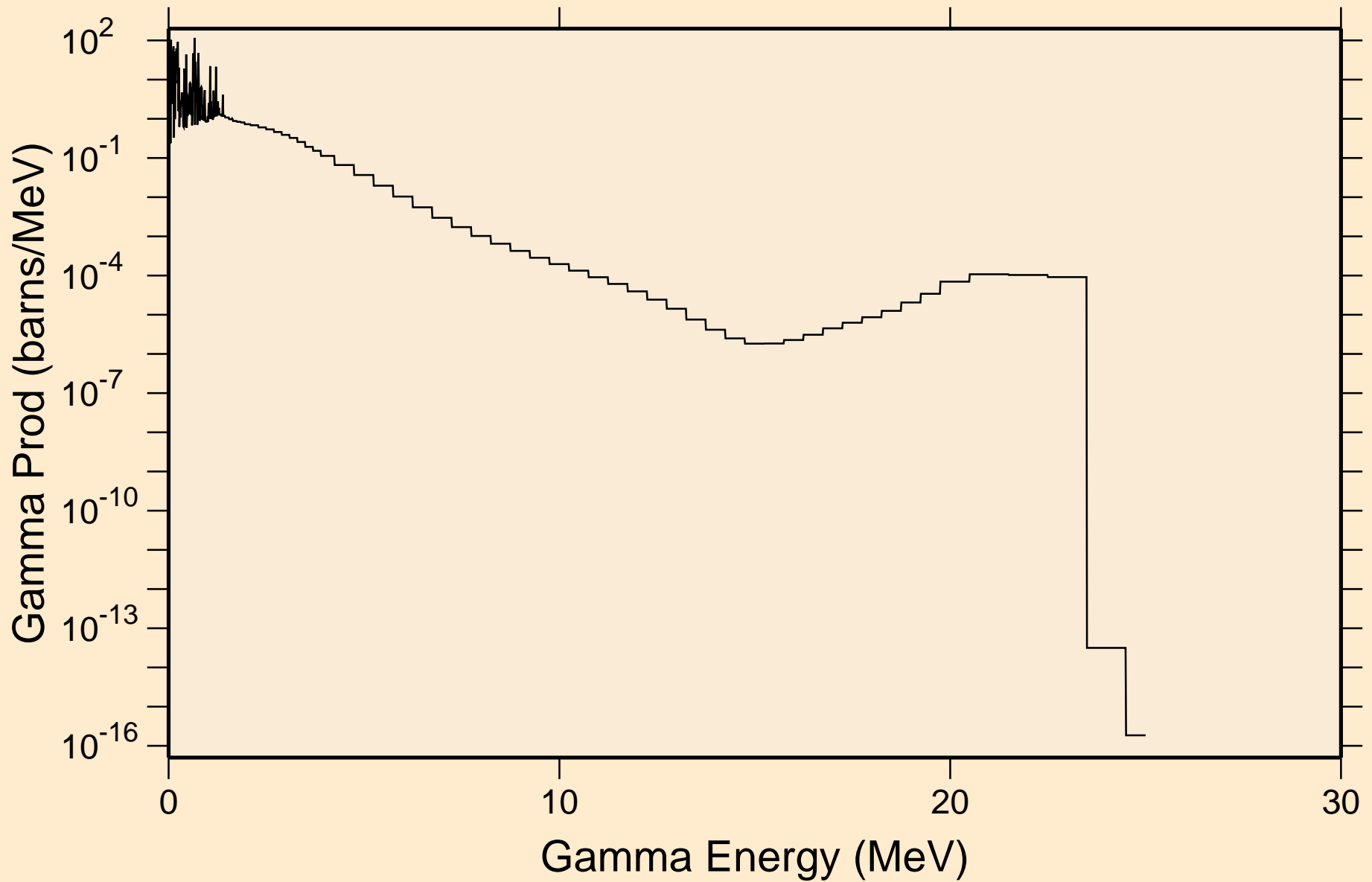
CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,da)



CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
thermal capture photon spectrum

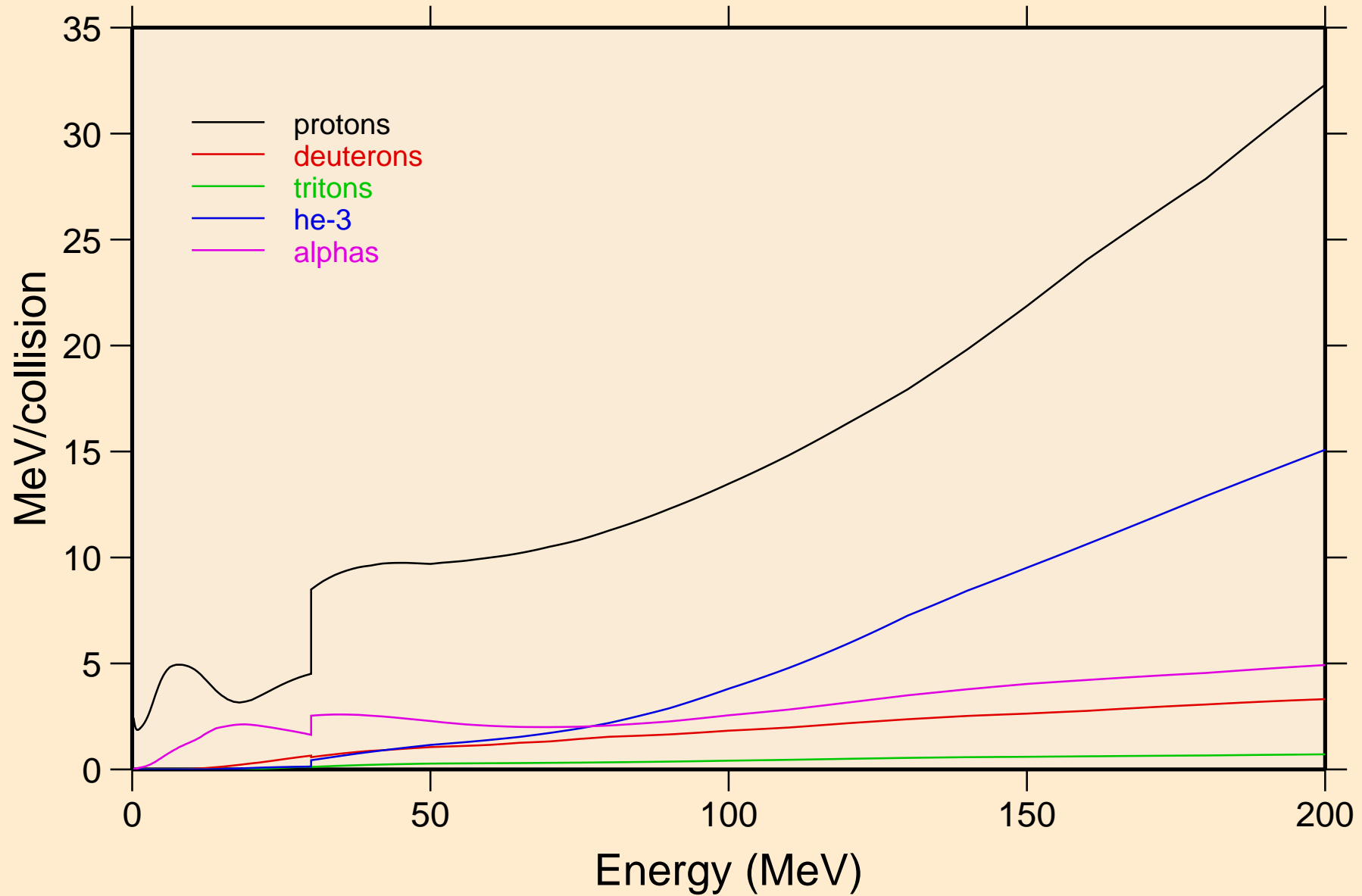


CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
14 MeV photon spectrum

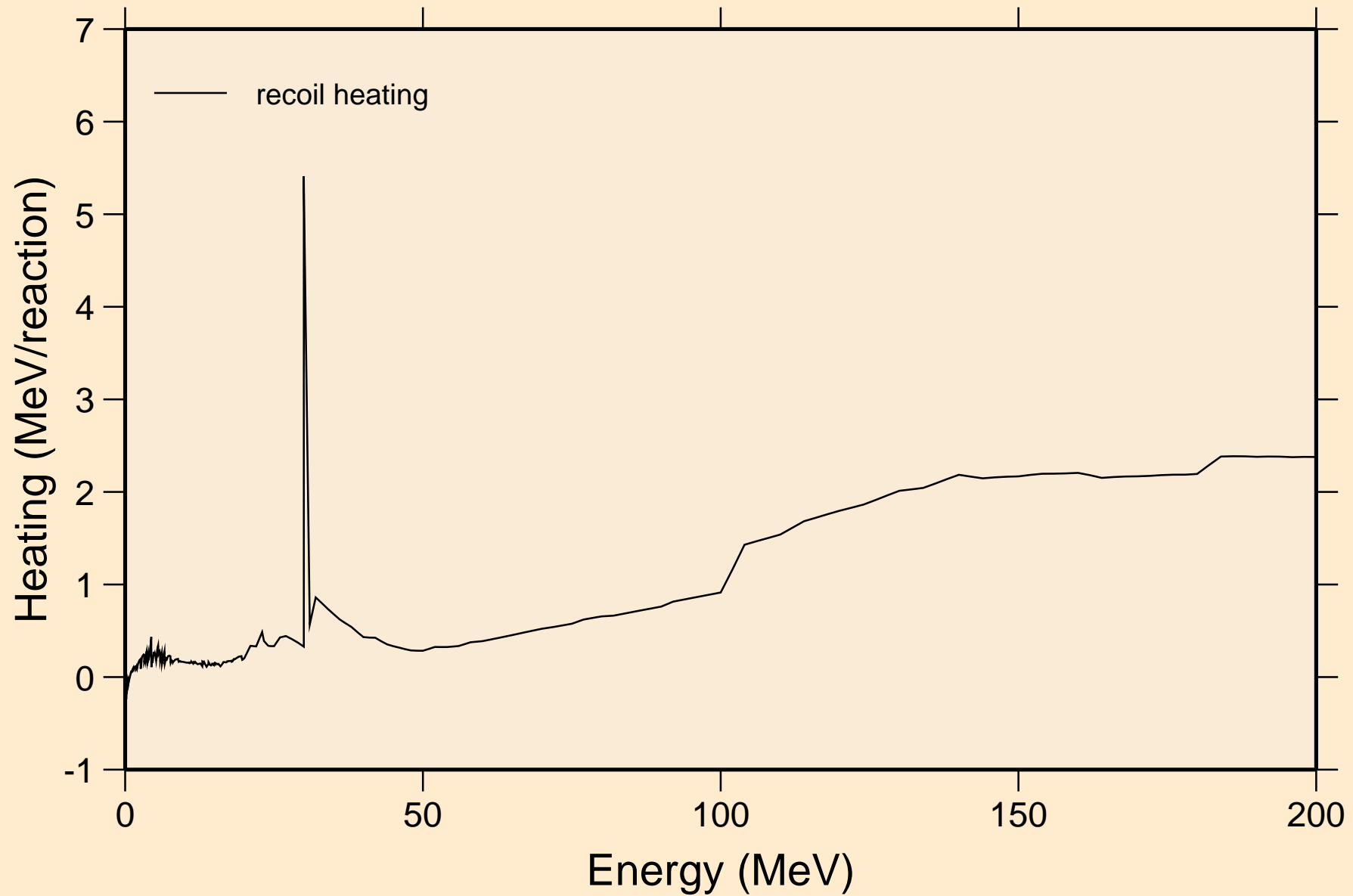


# CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Particle heating contributions

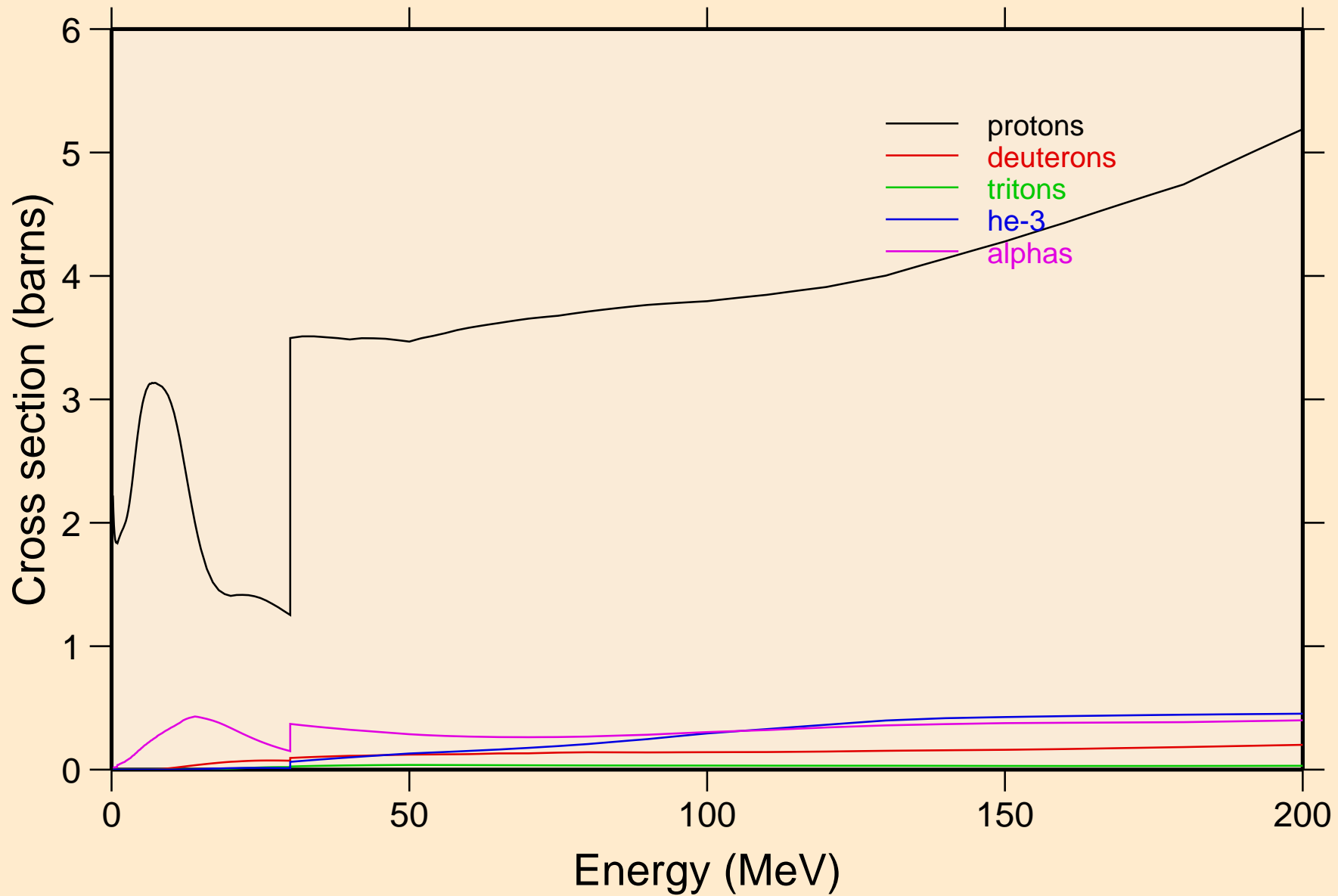


CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Recoil Heating

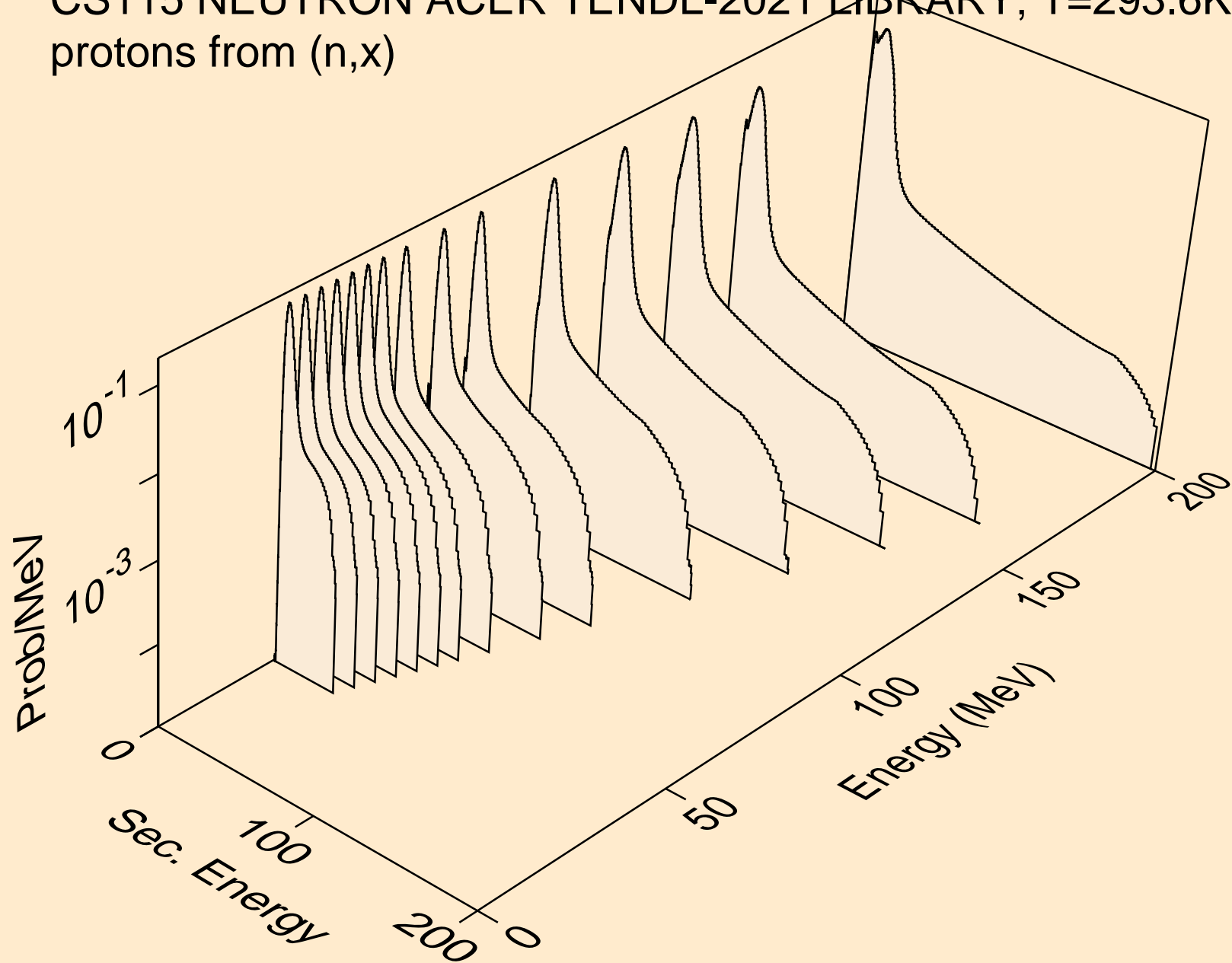


# CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

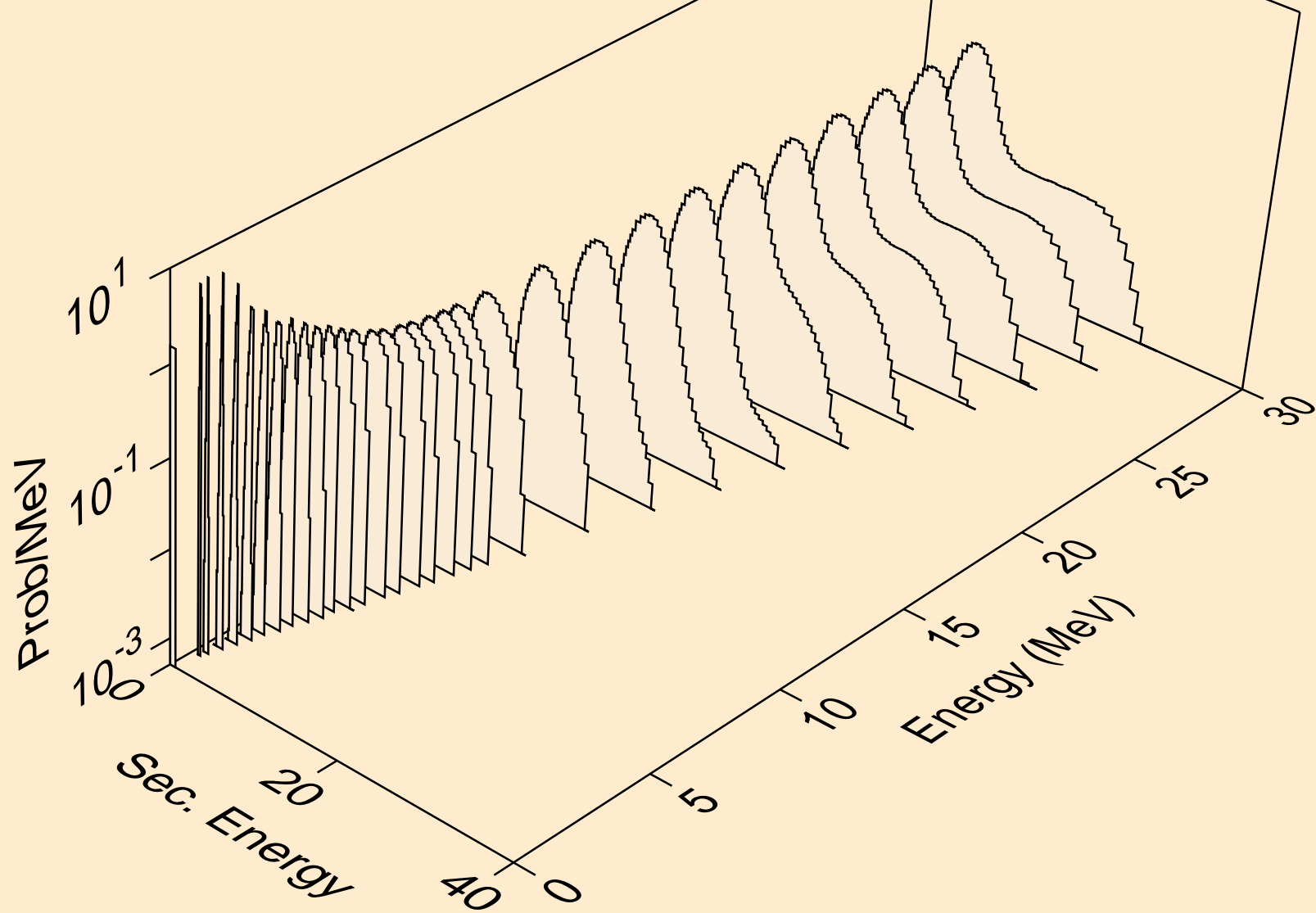
## Particle production cross sections



CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,x)

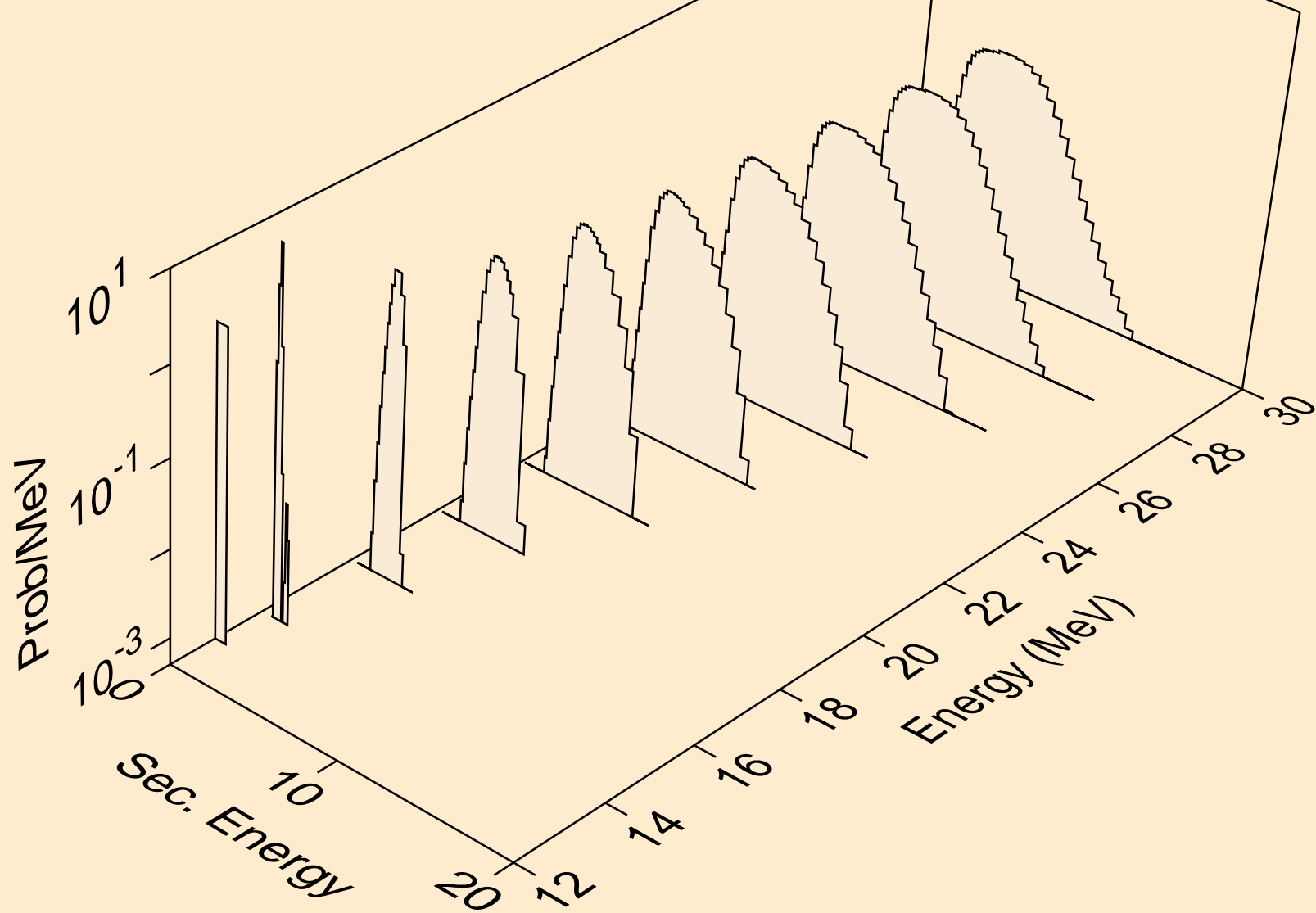


CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,n\*)p

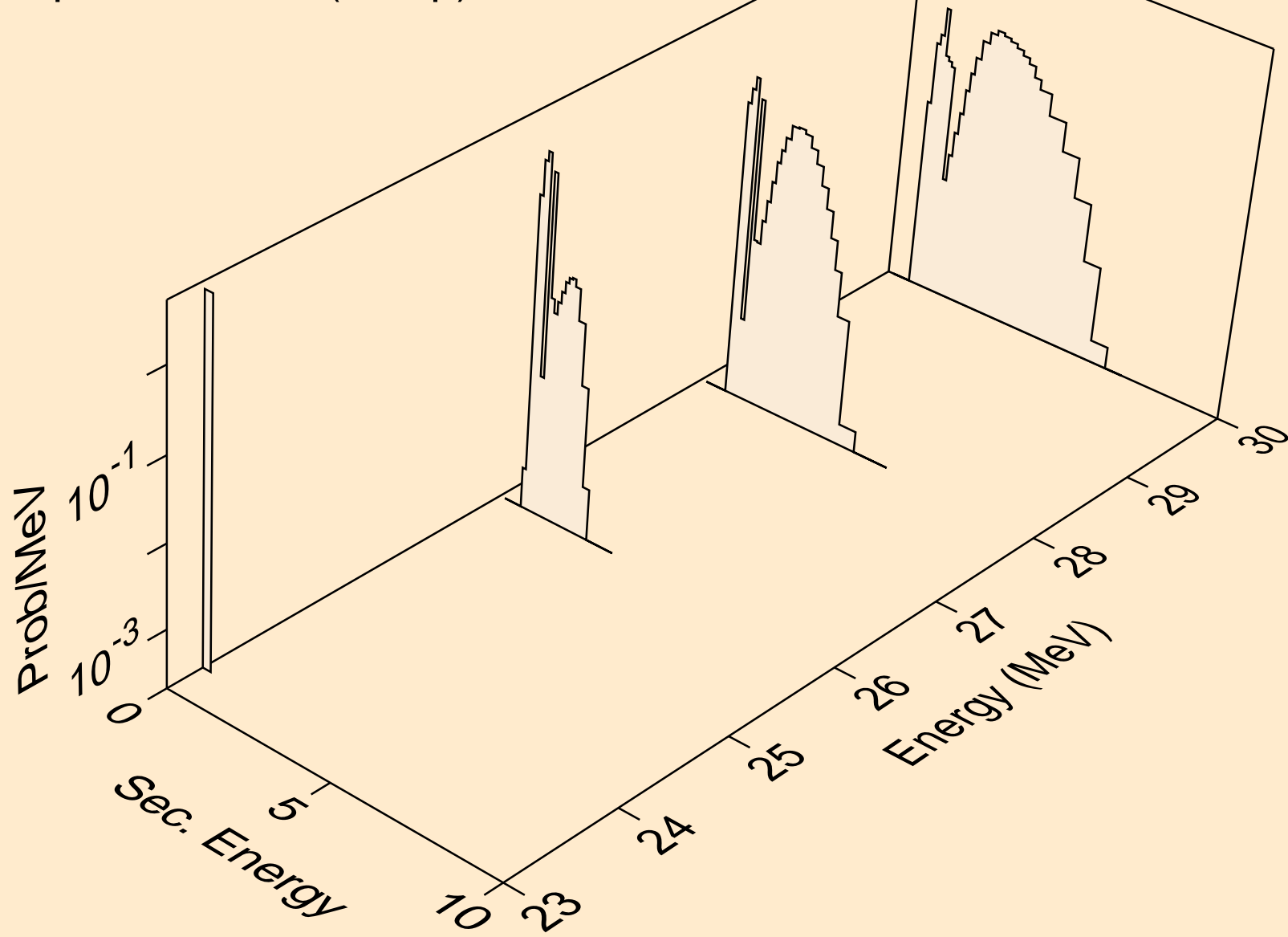




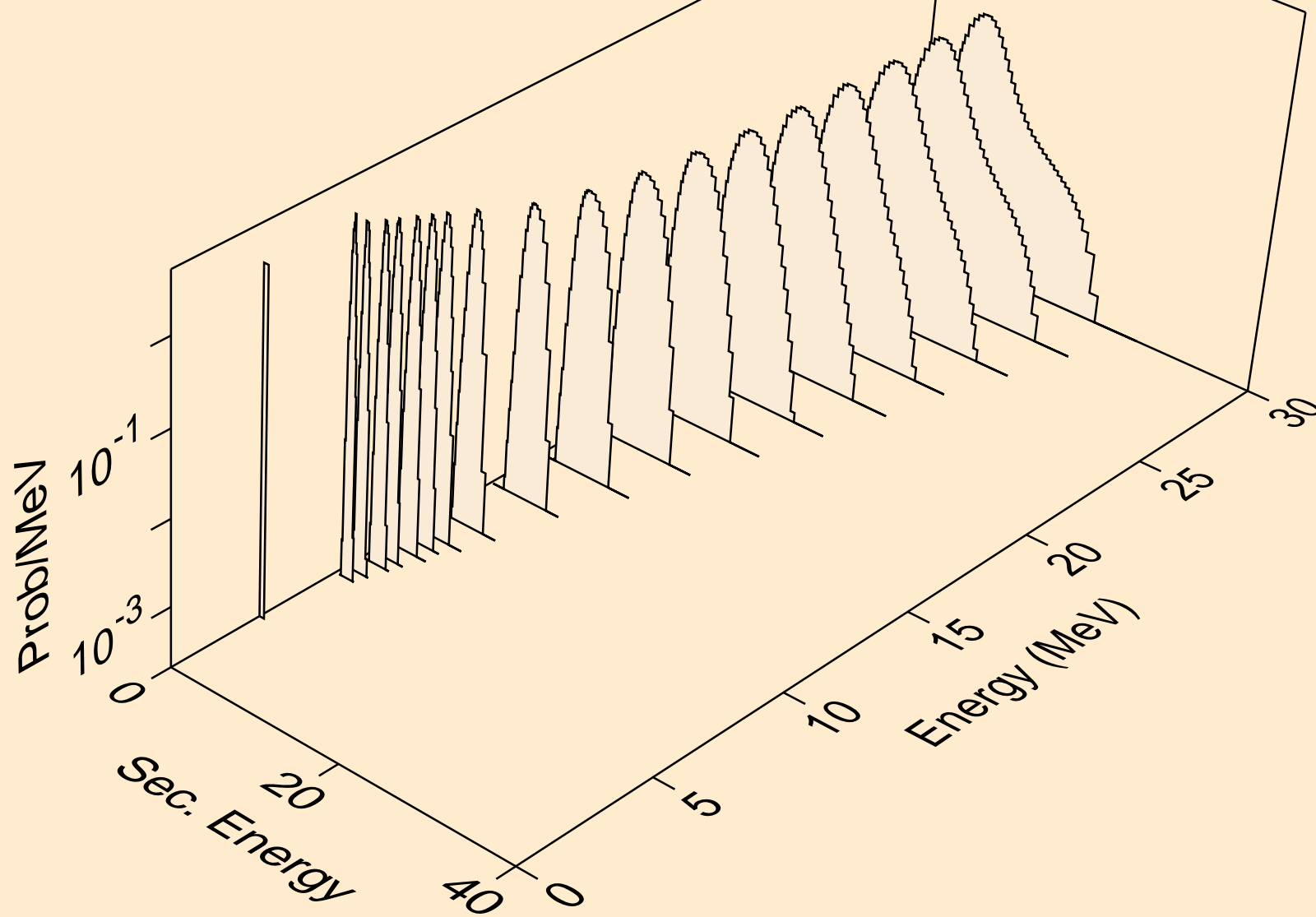
CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,2np)



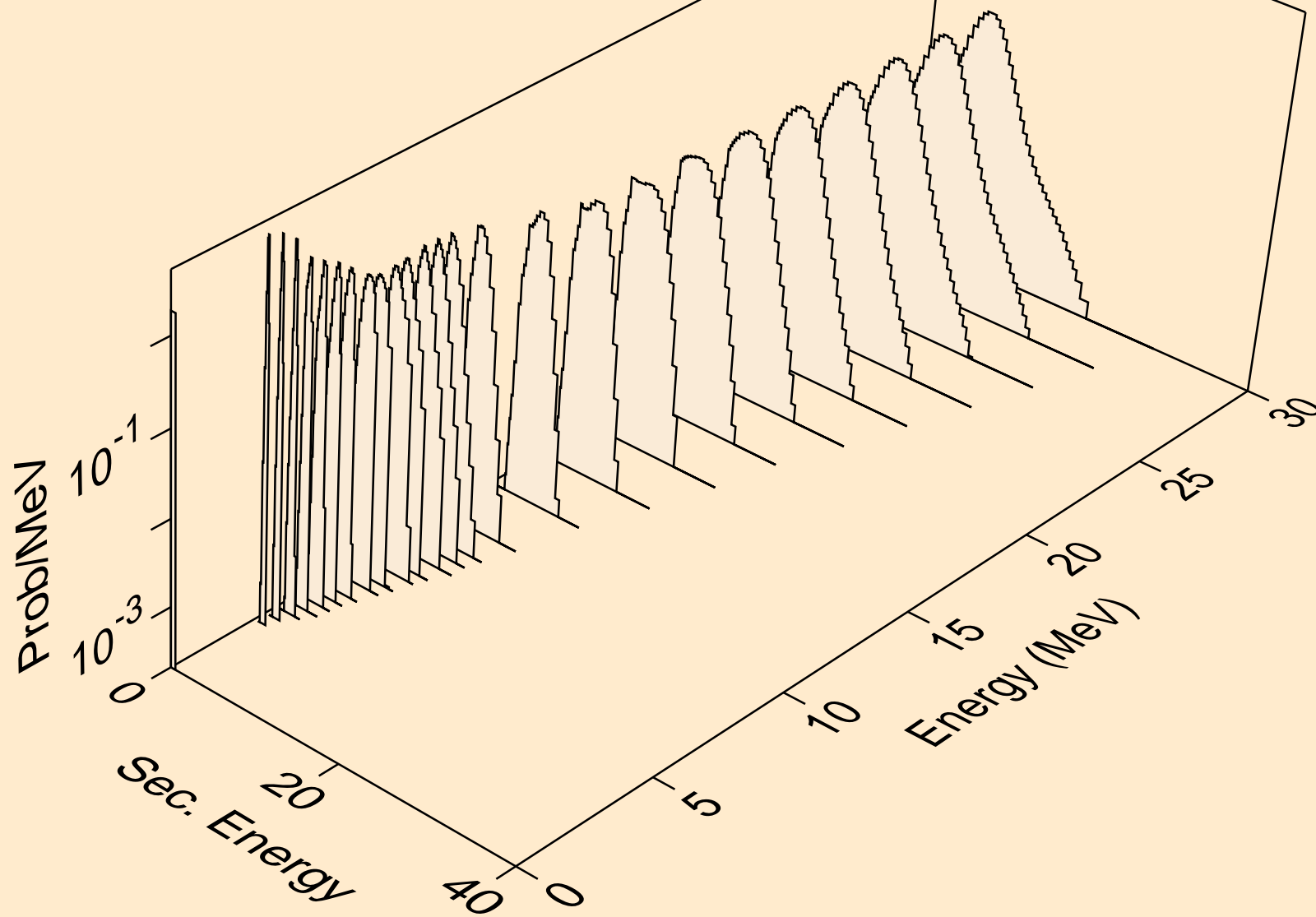
CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,3np)



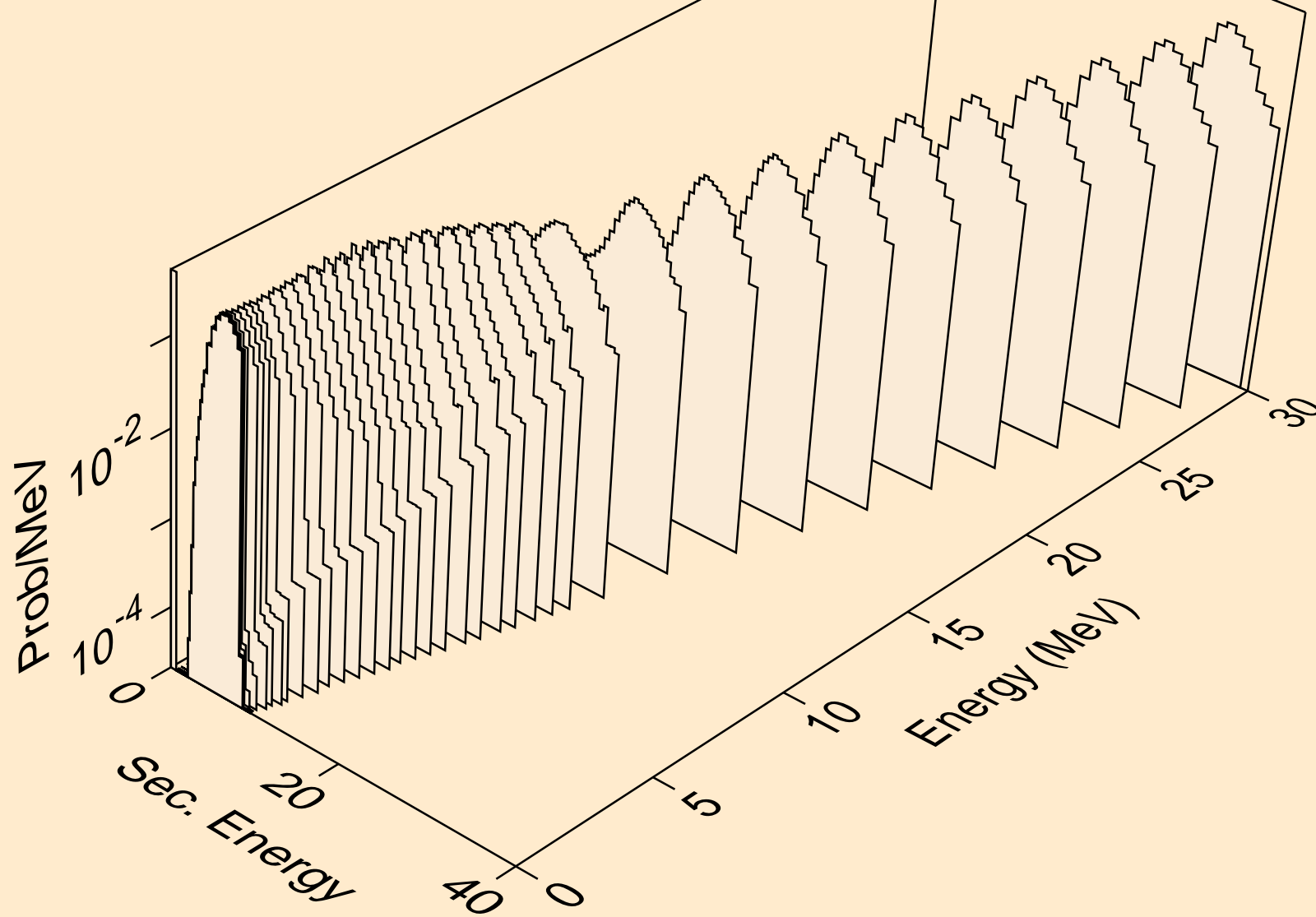
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protons from (n,2np)



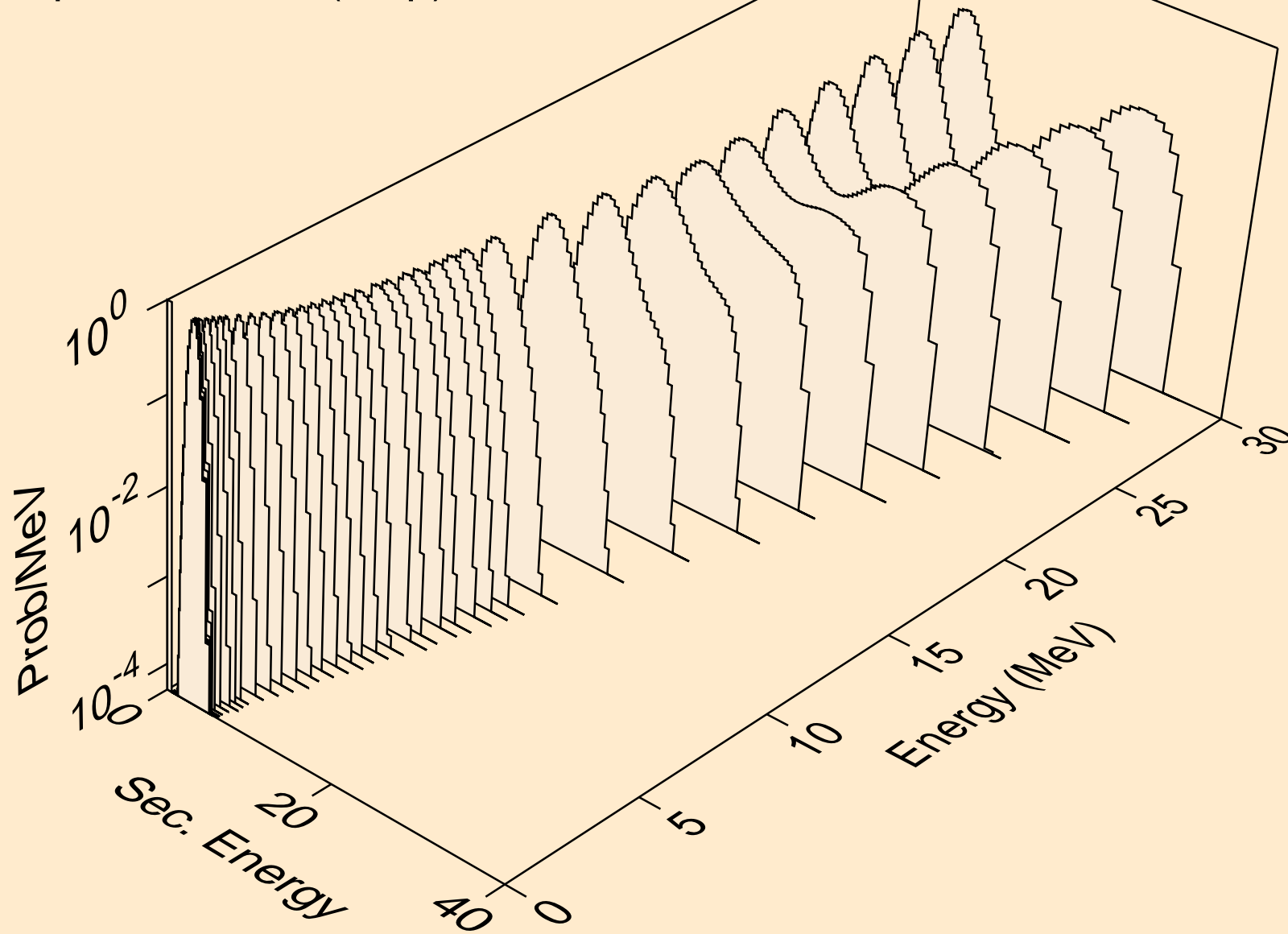
CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,npa)



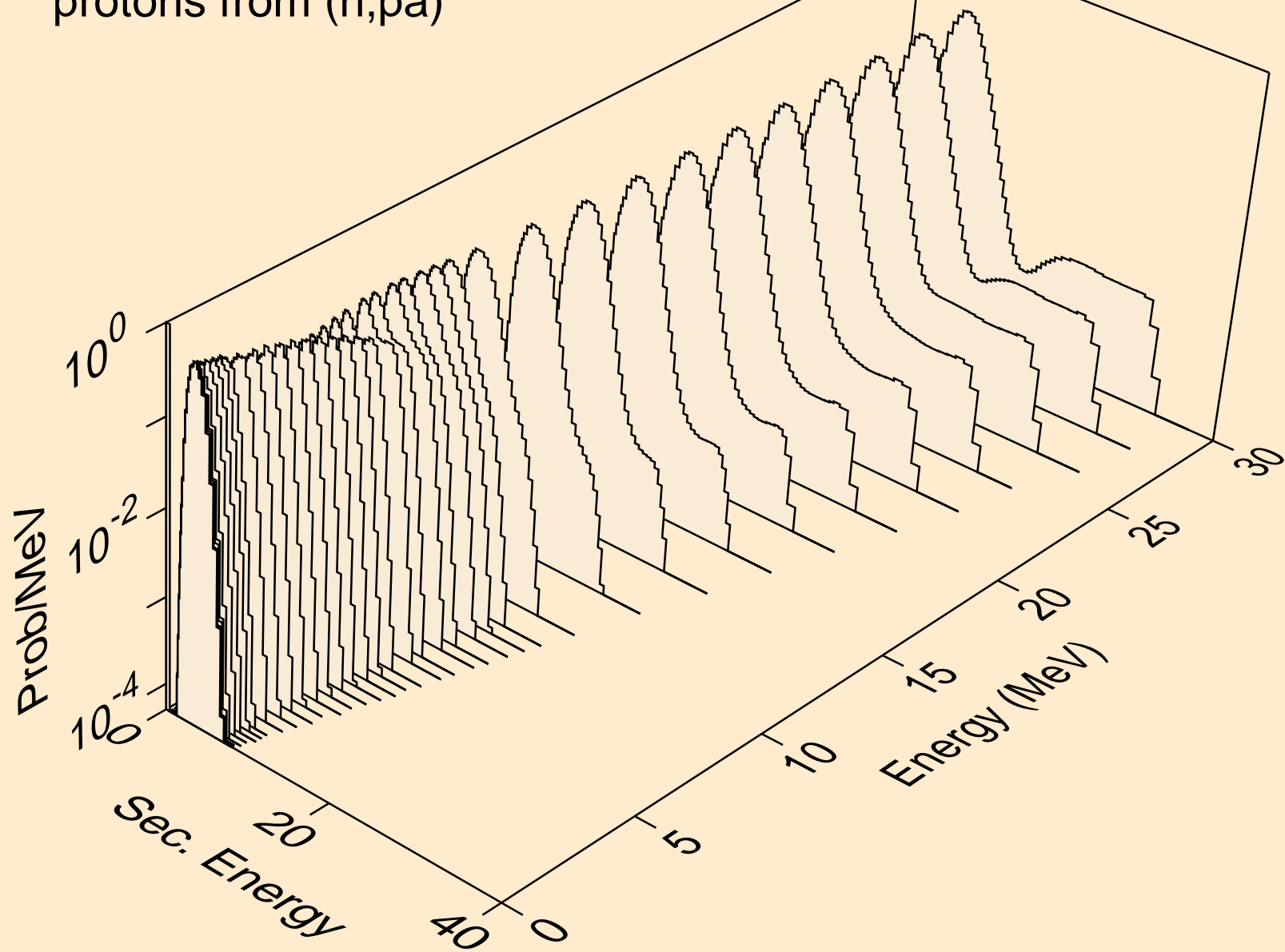
CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,p)



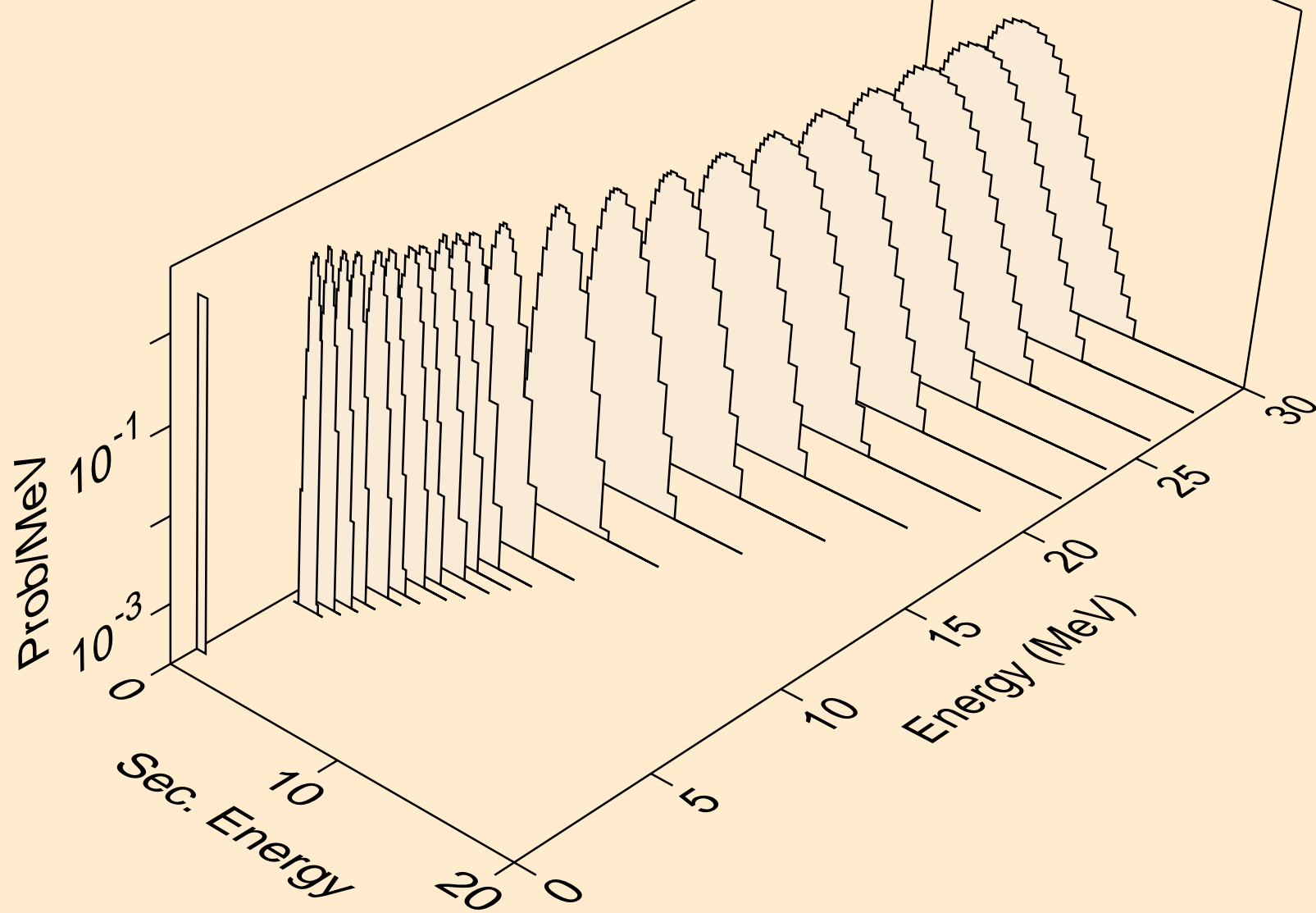
CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,2p)



CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,p)

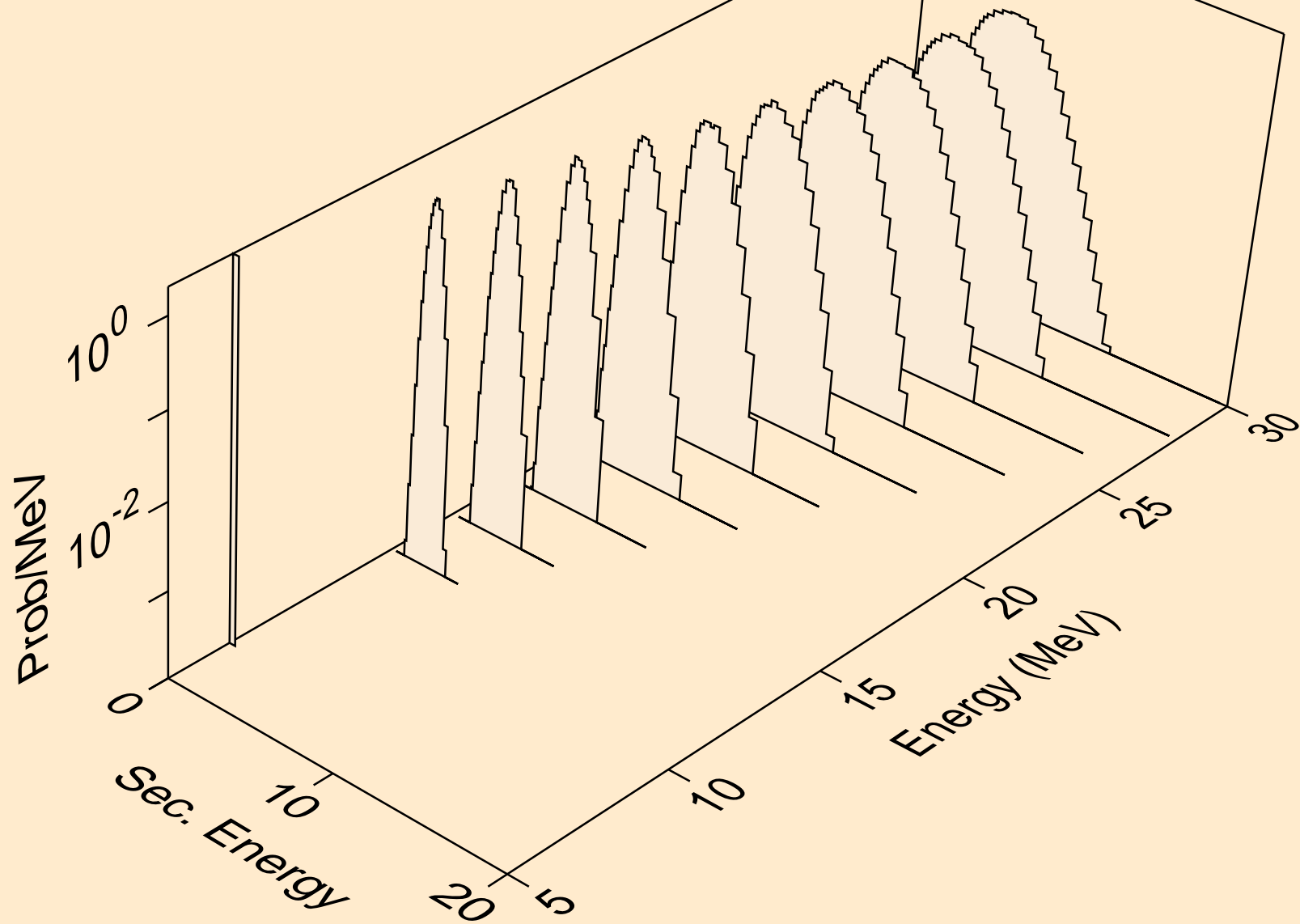


CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,pd)

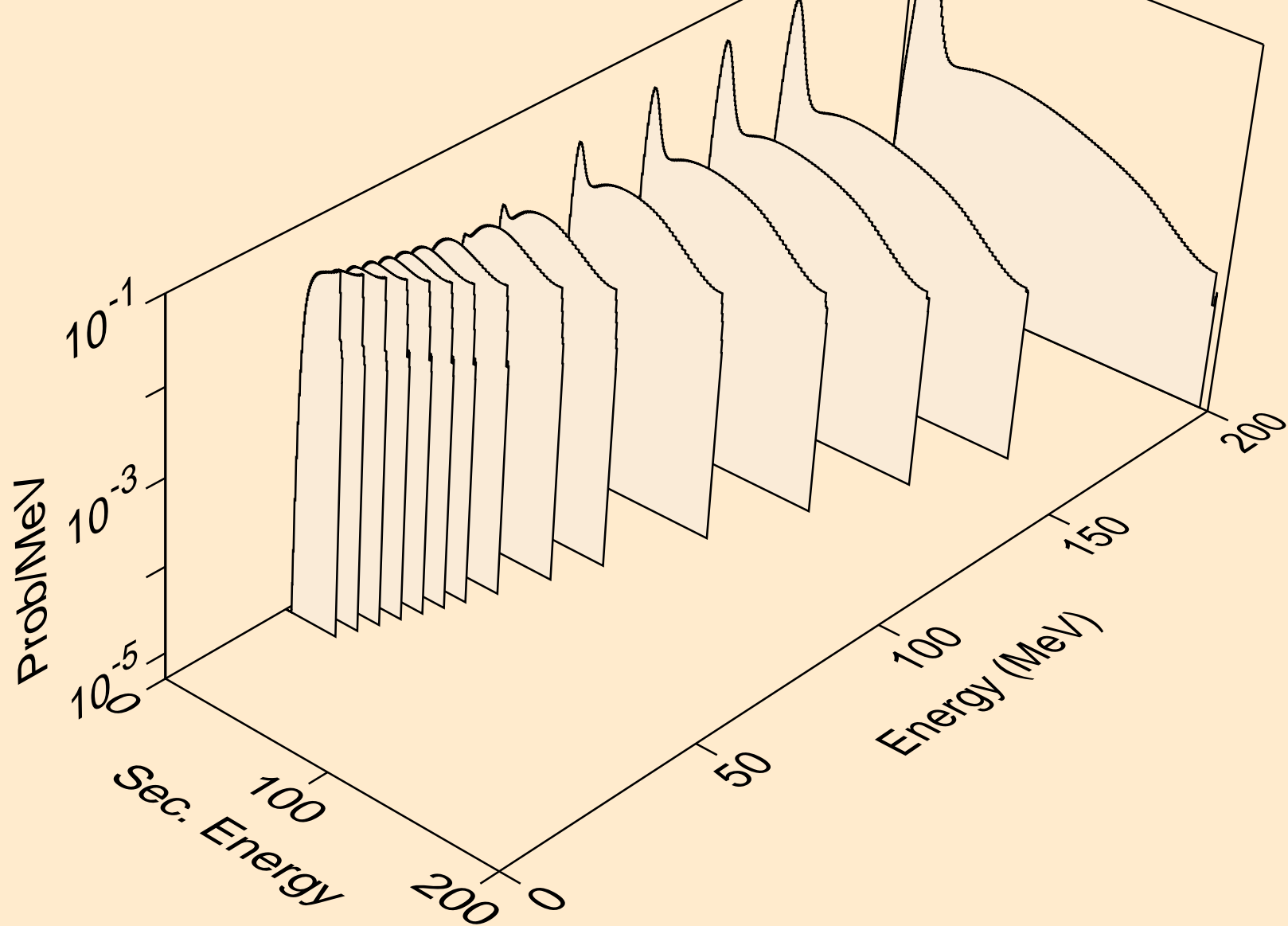




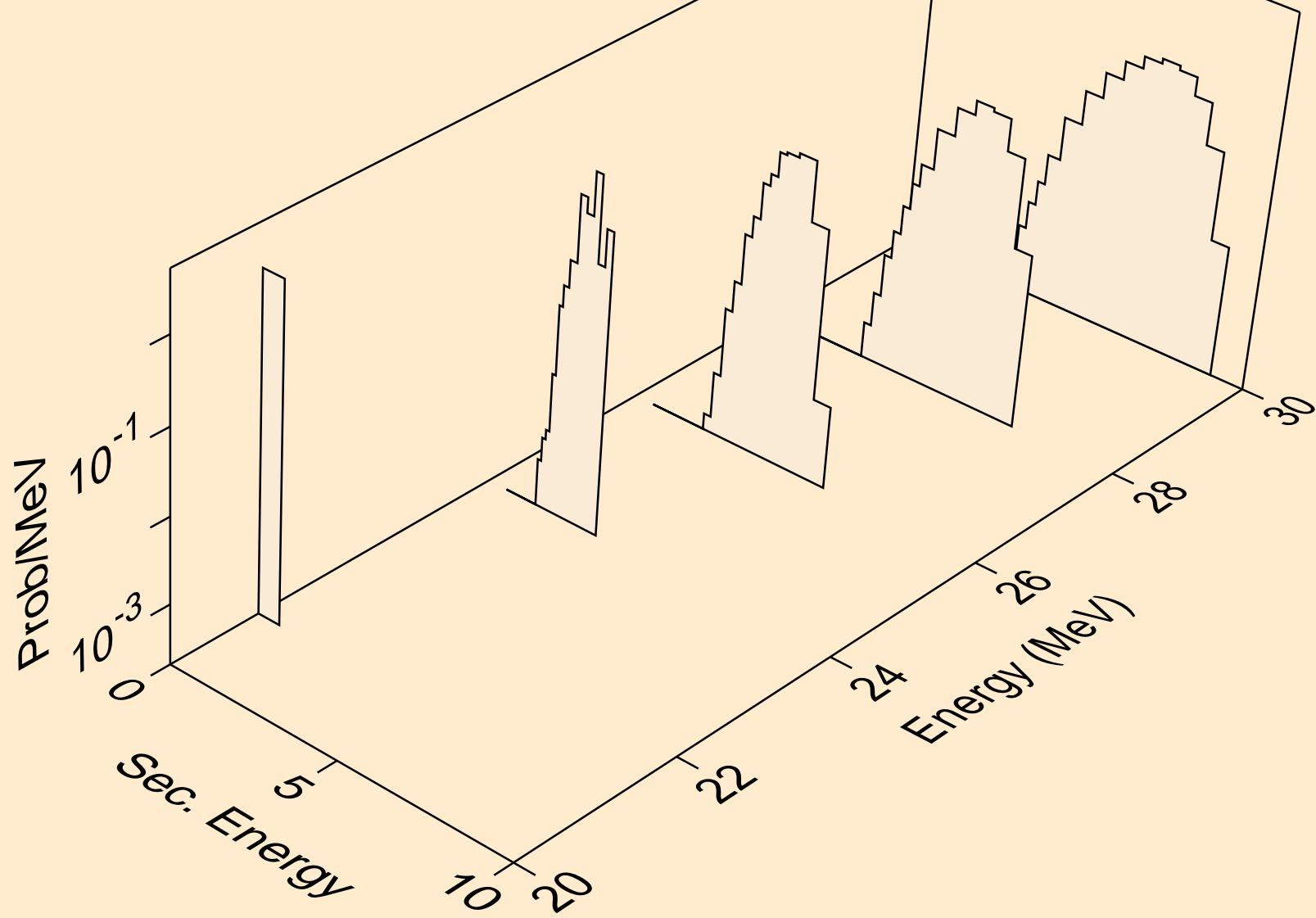
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protons from (n,pt)



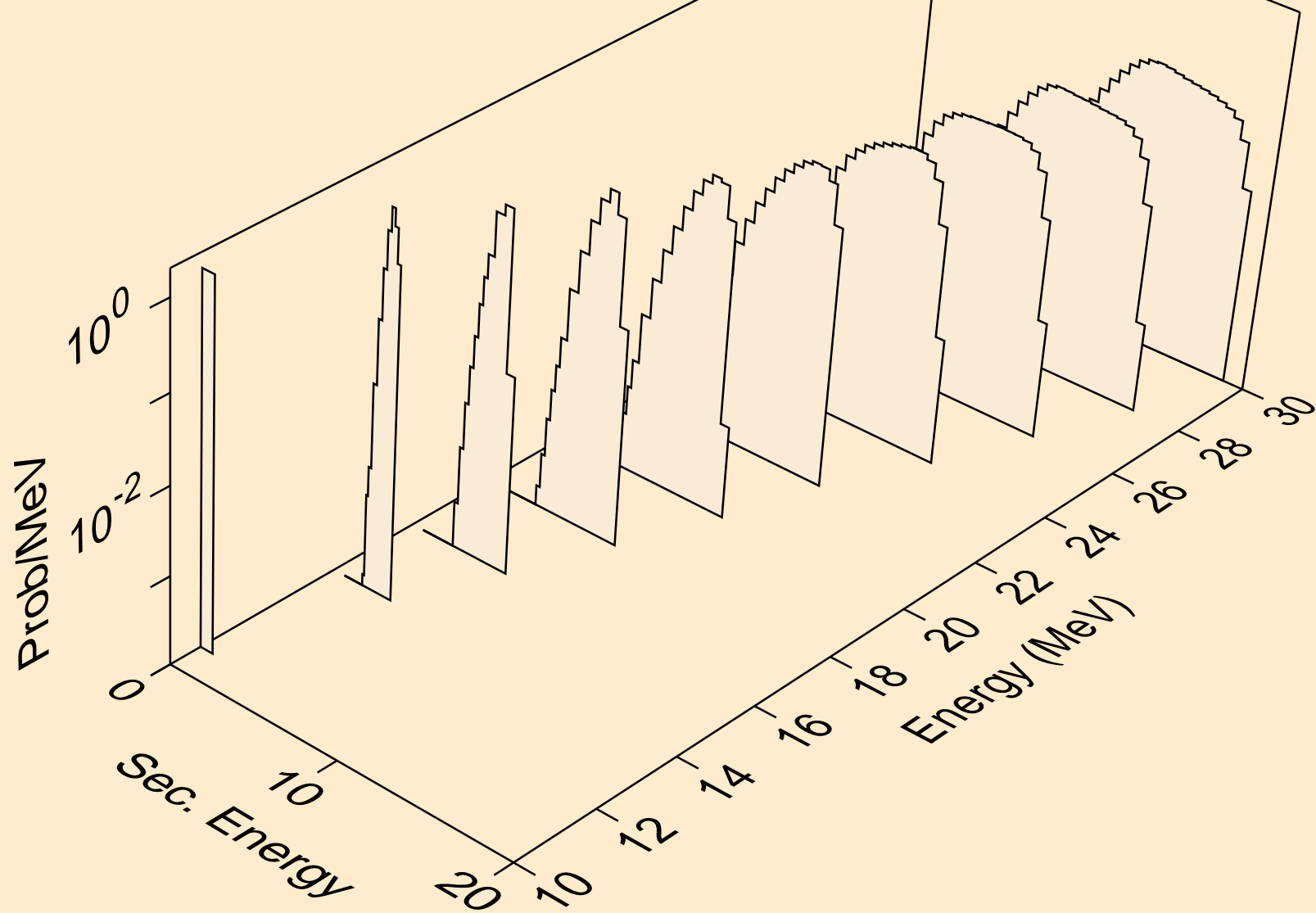
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deuterons from (n,x)



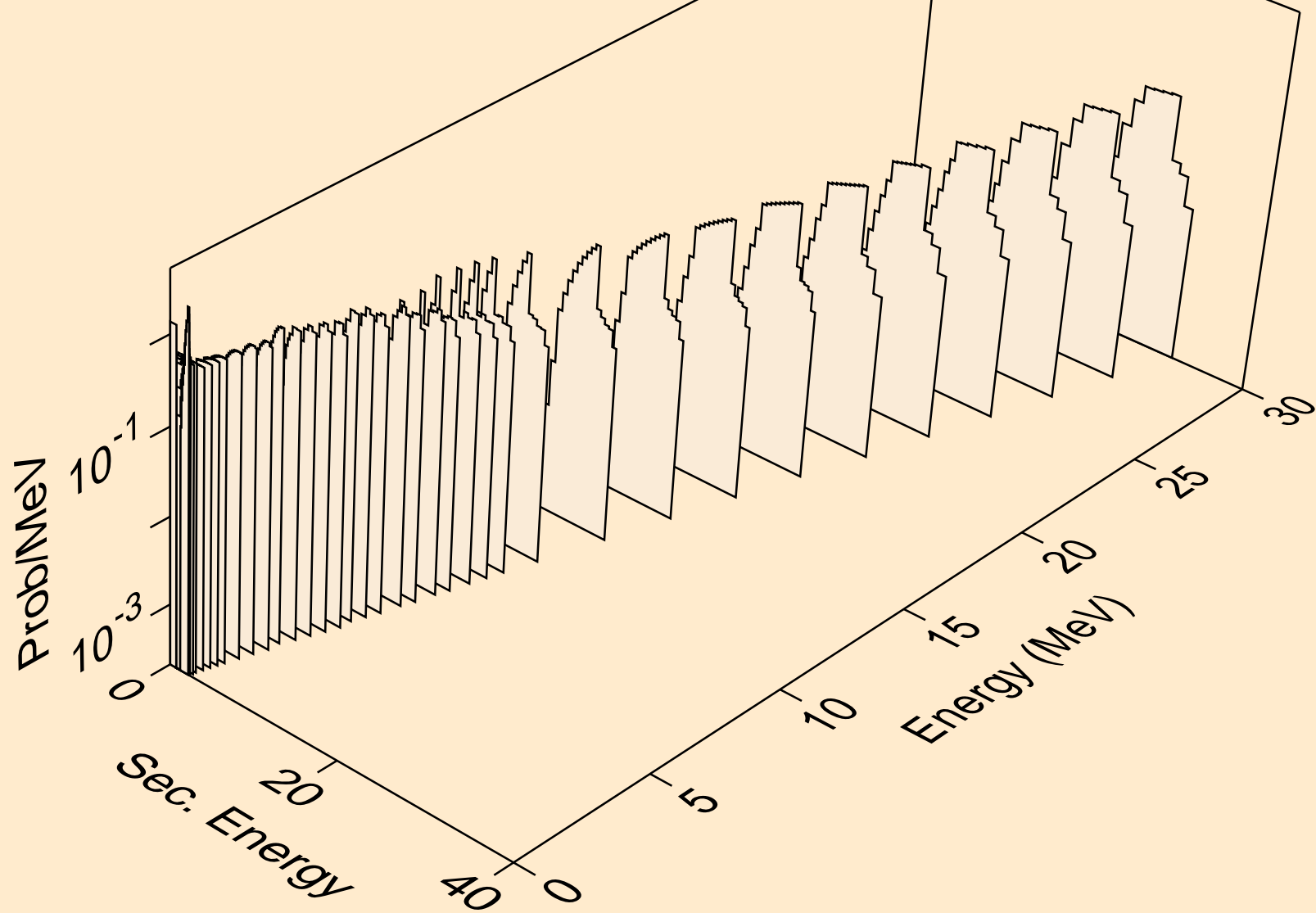
CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,2nd)



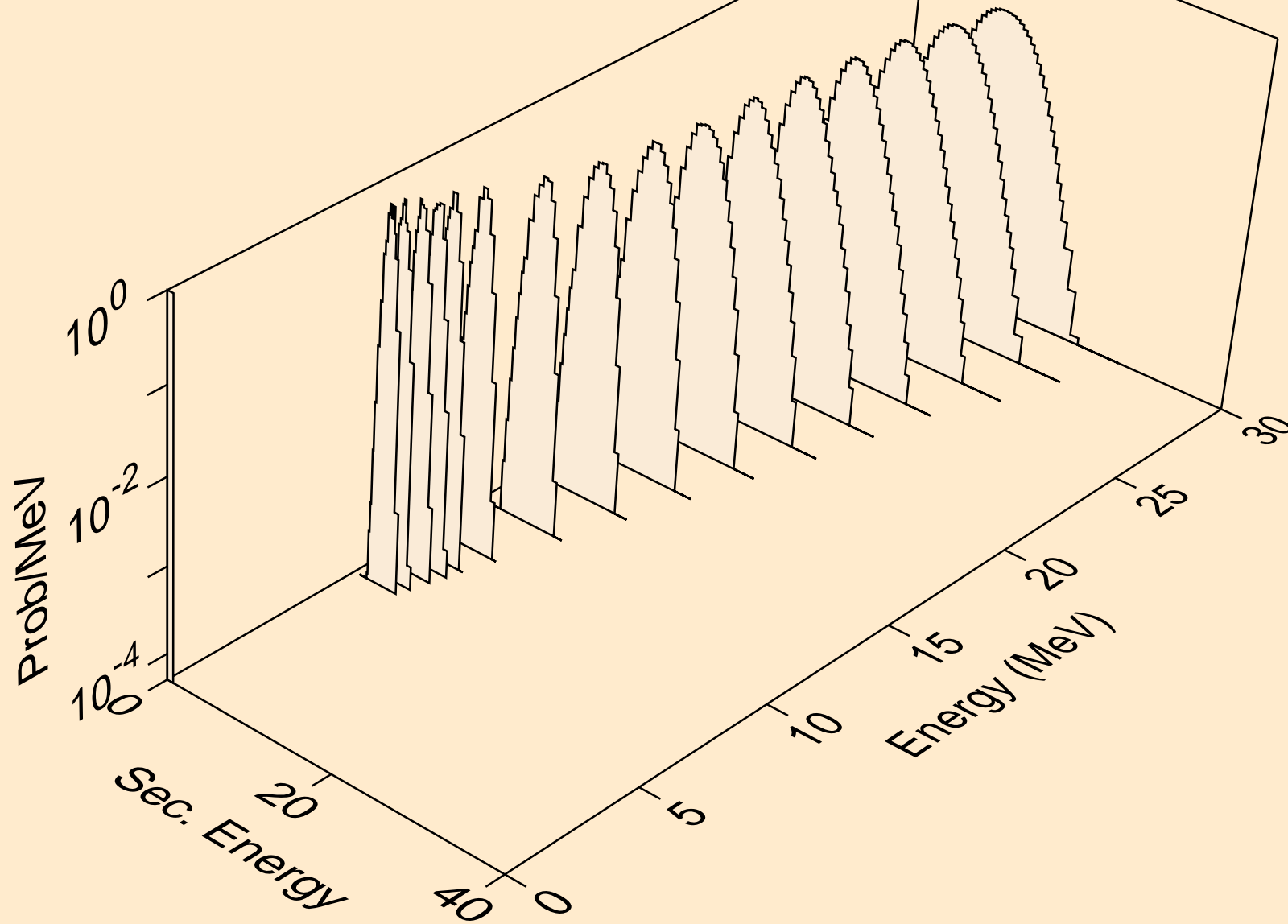
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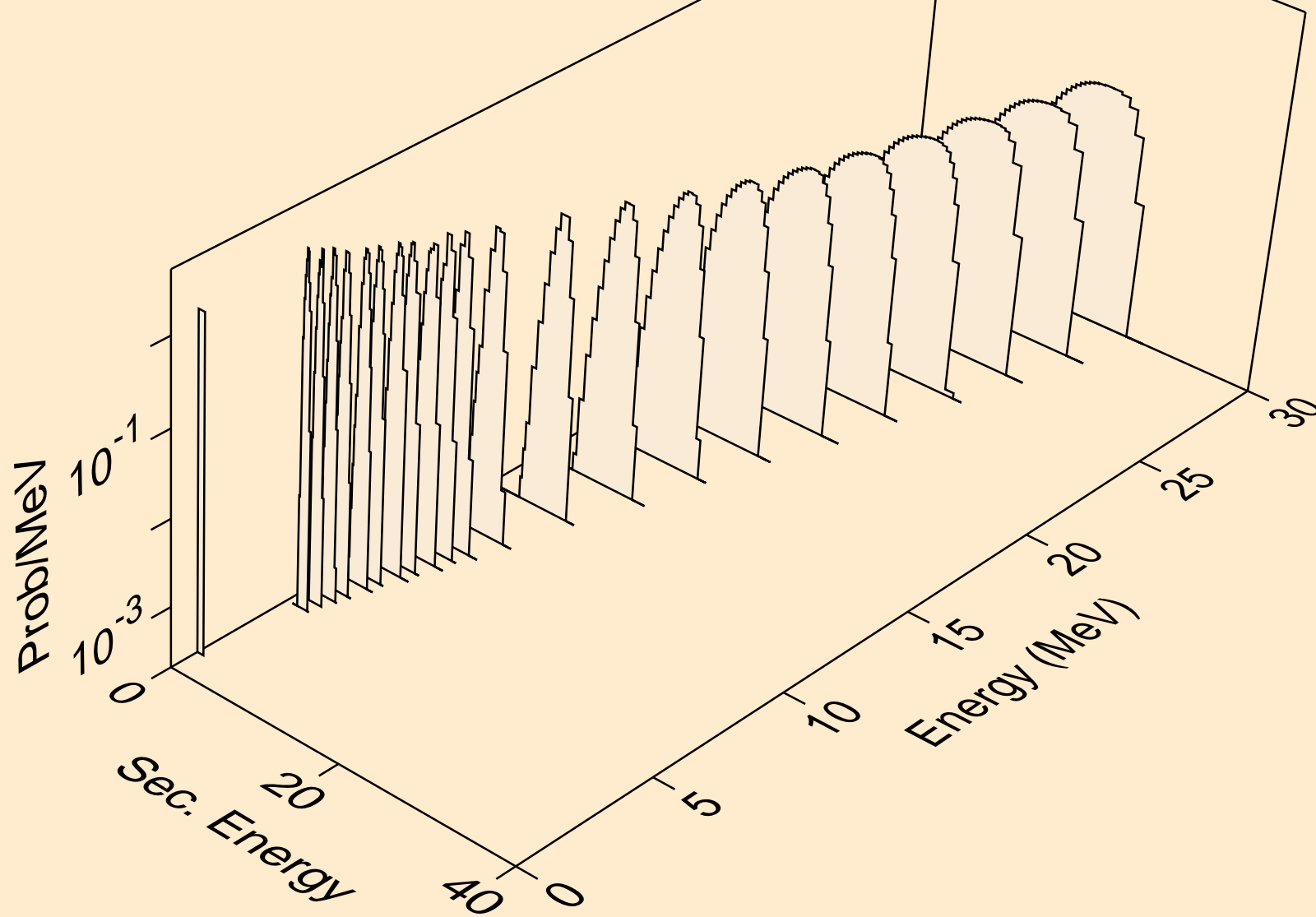
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deuterons from (n,d)



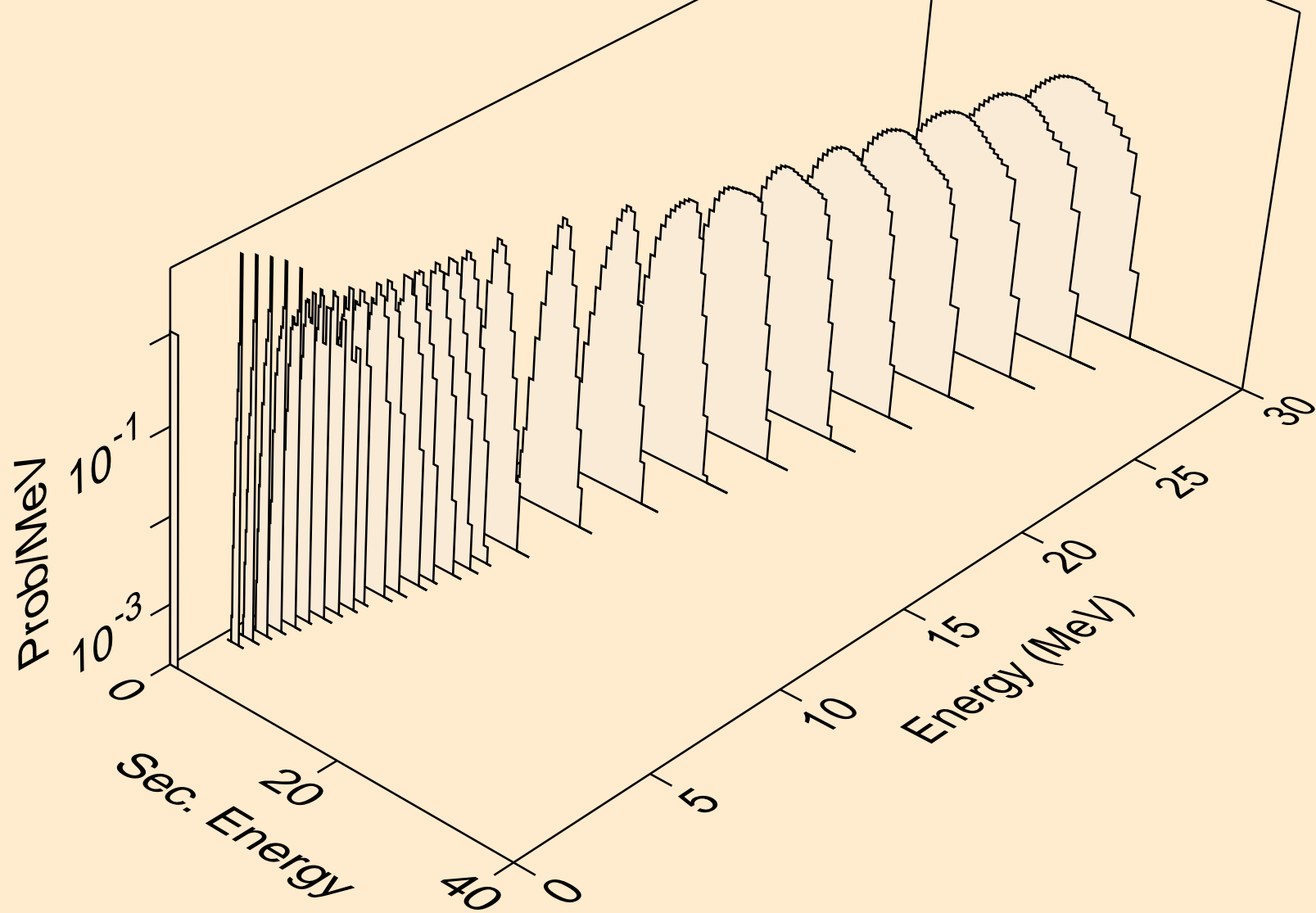
CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,d2a)



CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,pd)

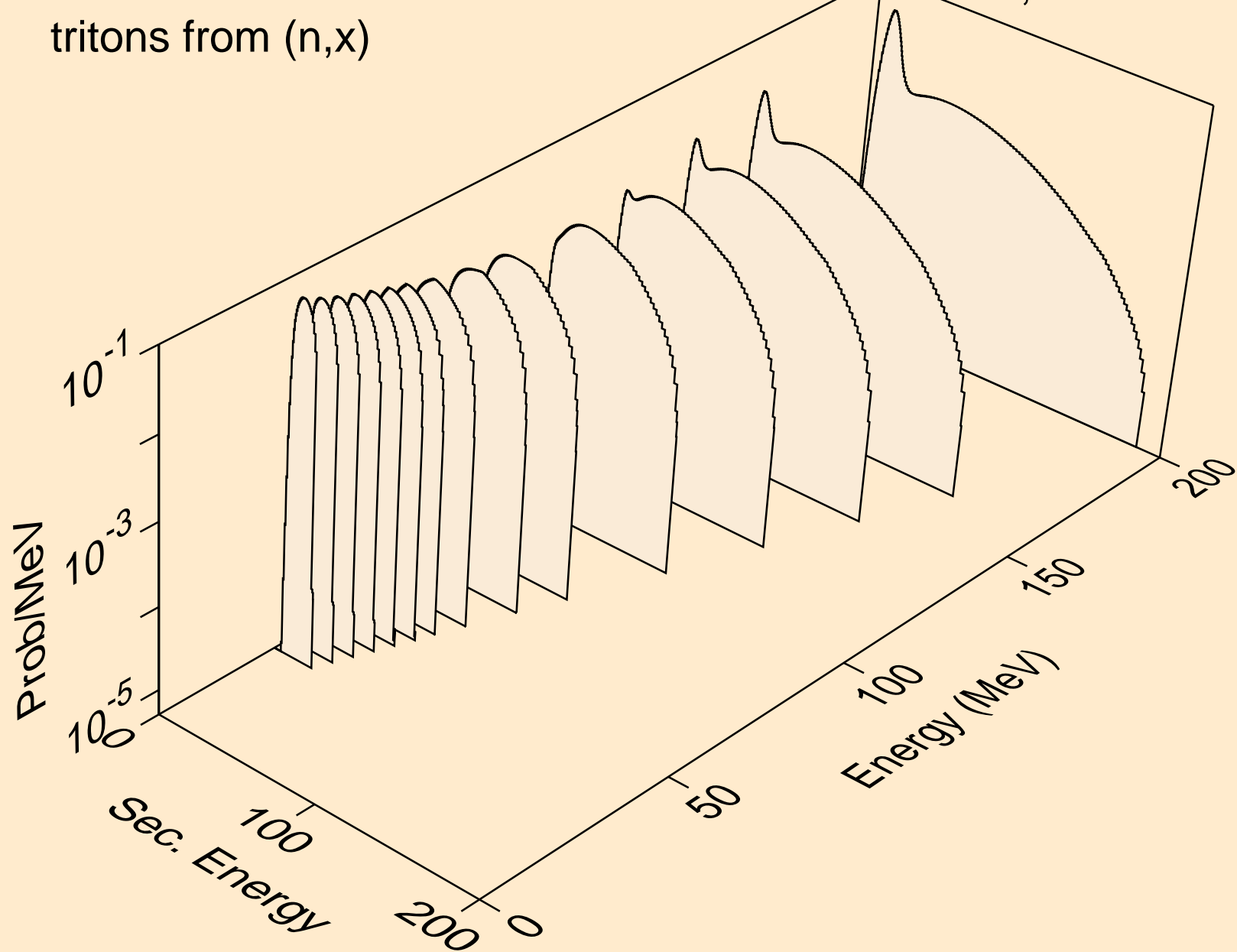


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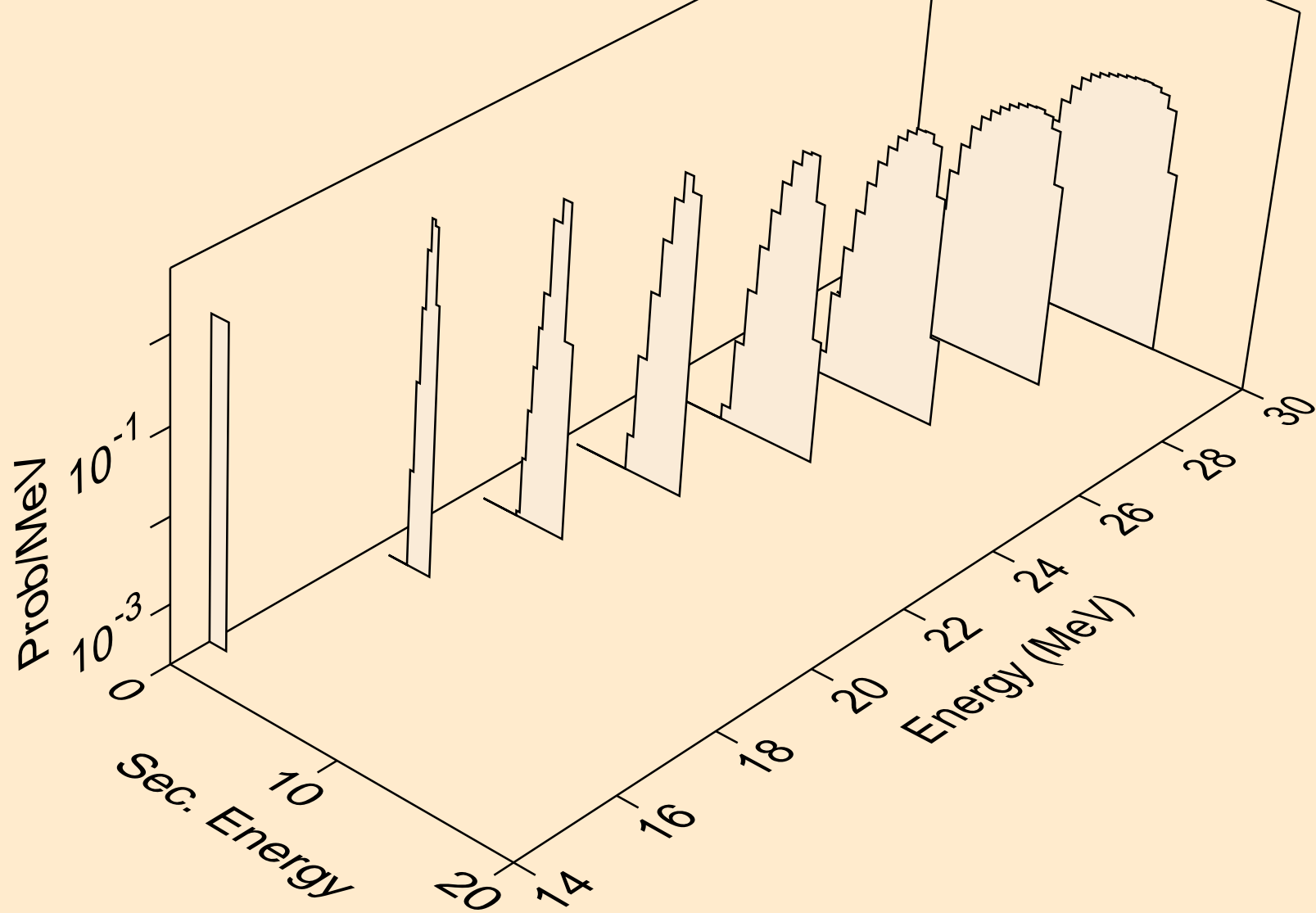




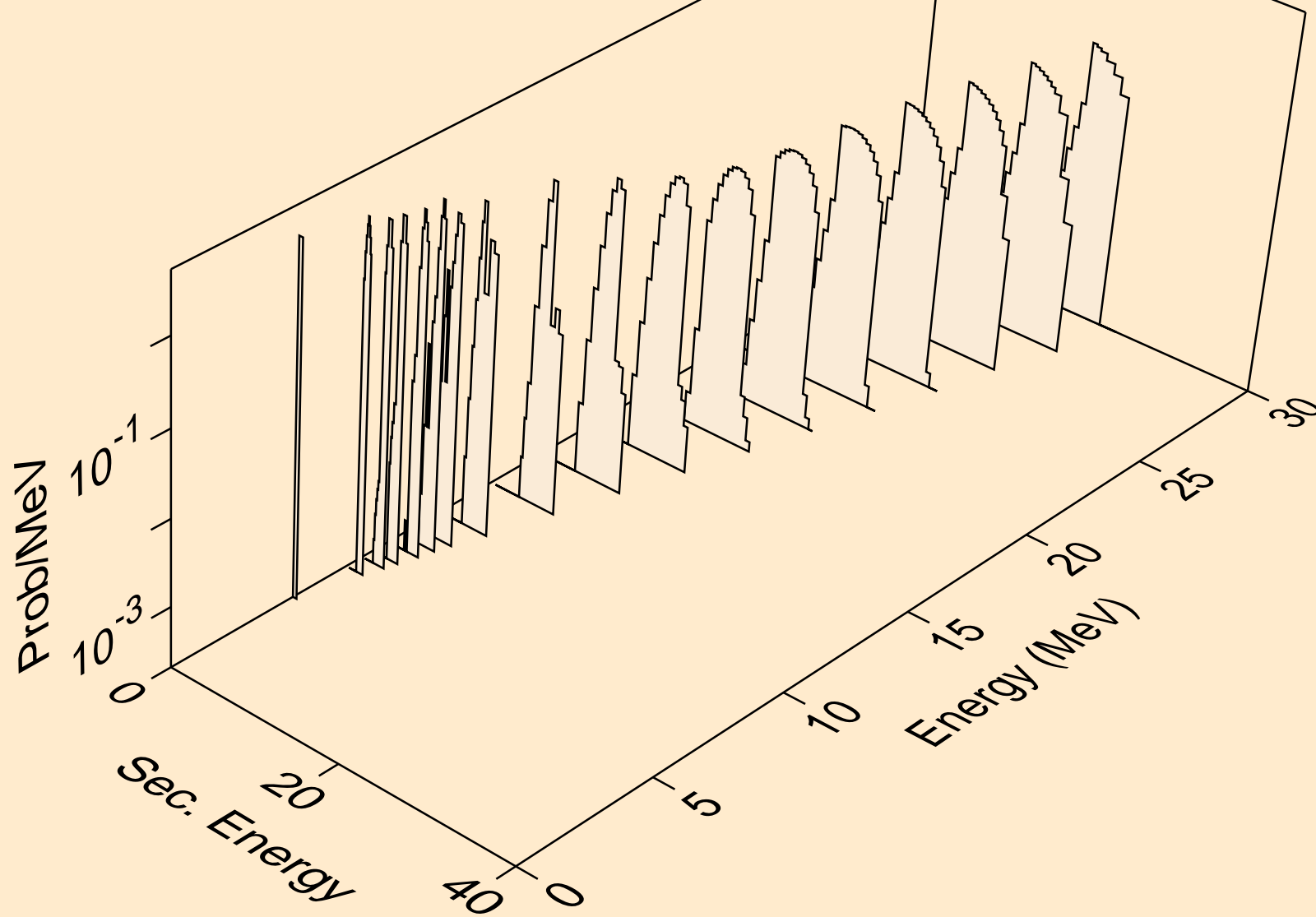
CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,x)



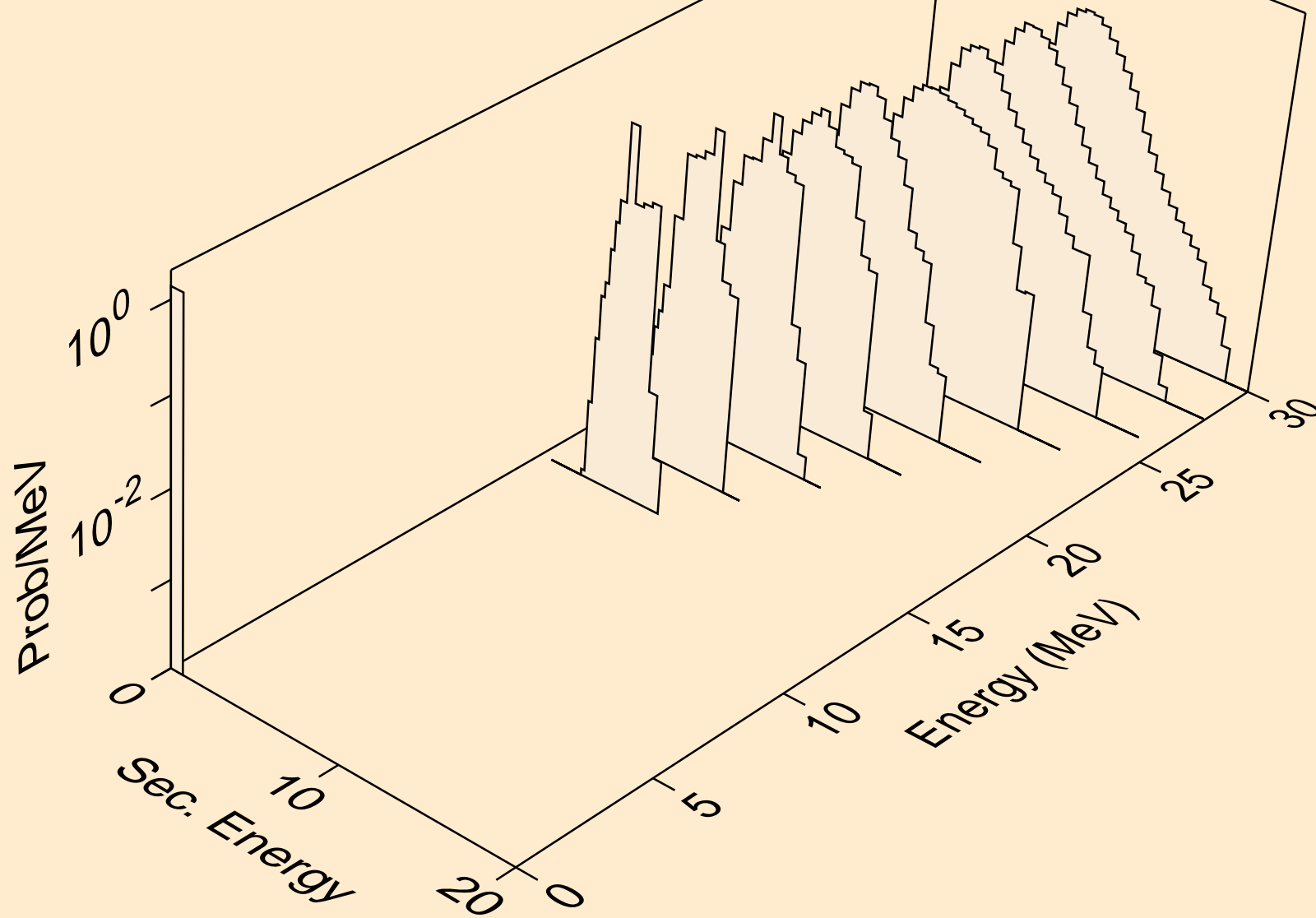
CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,n\*)t



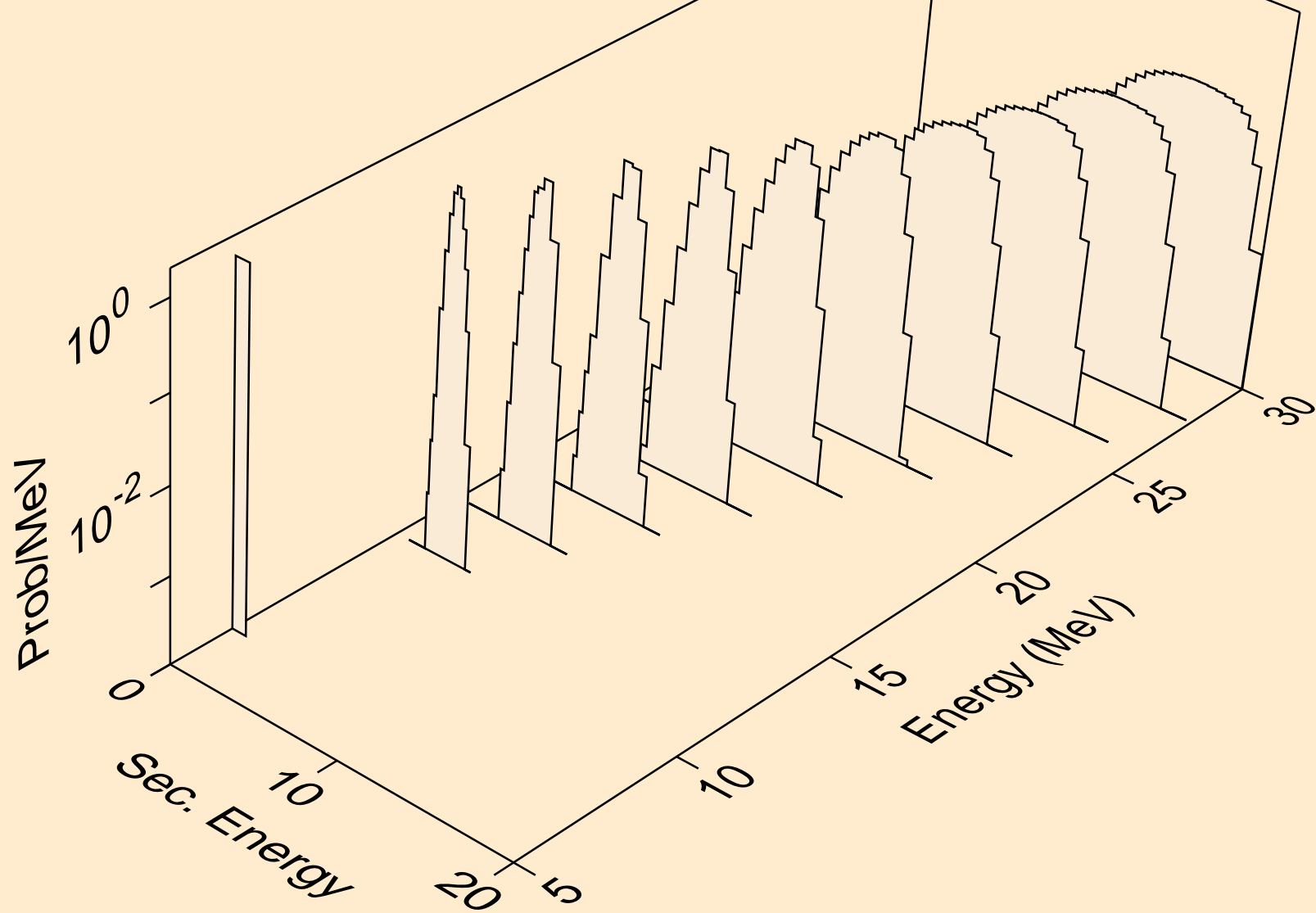
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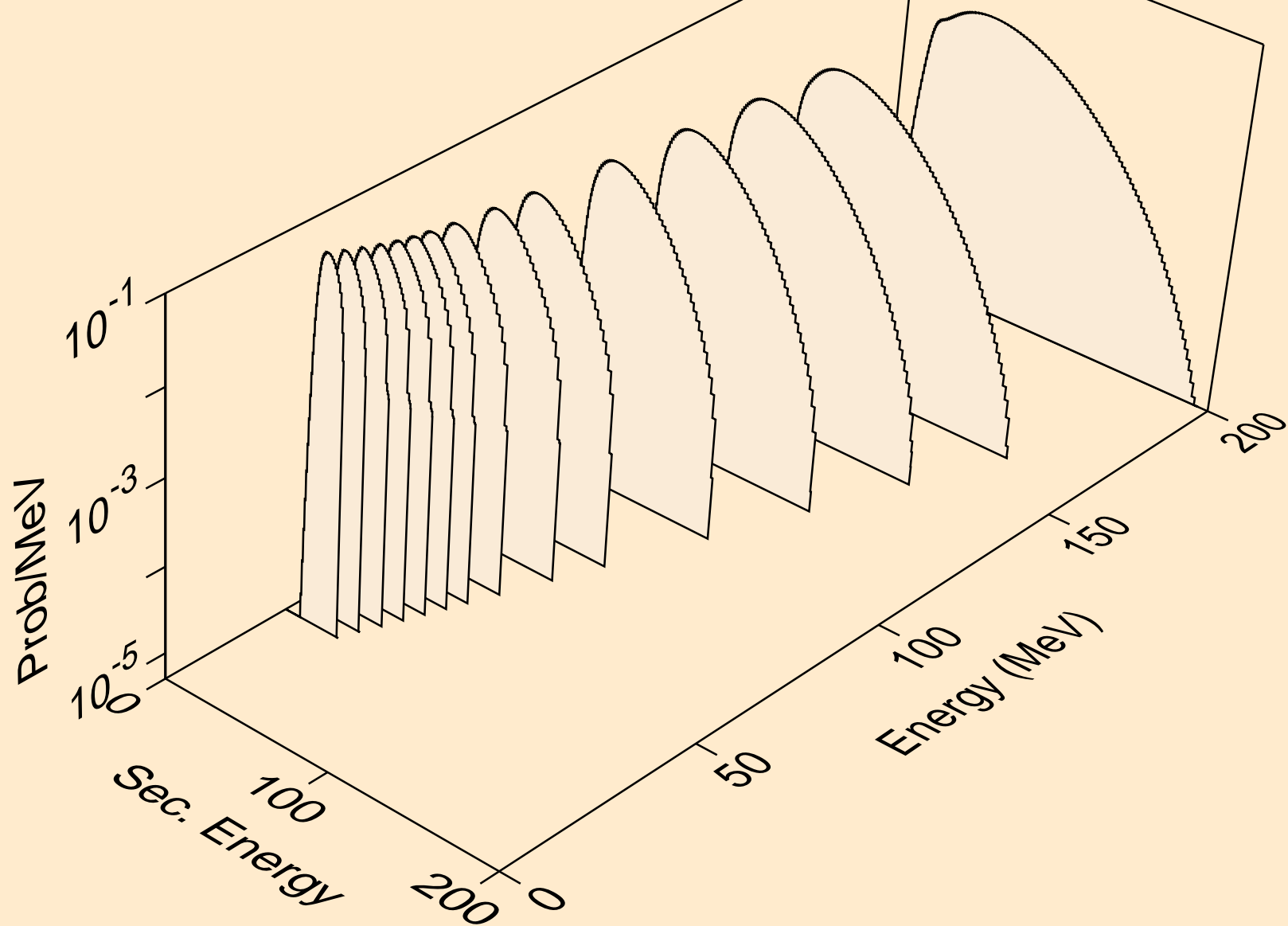
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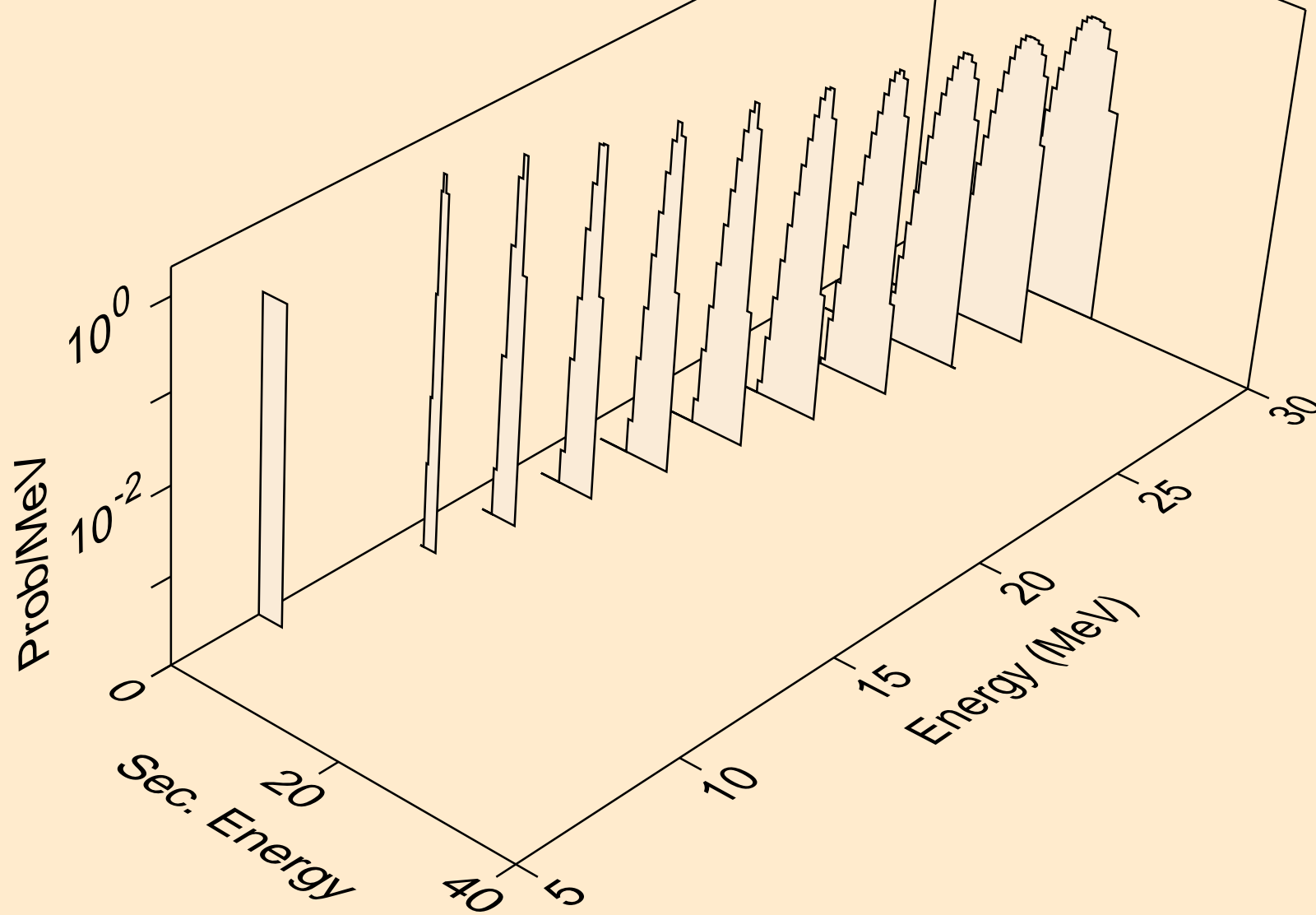
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tritons from (n,pt)



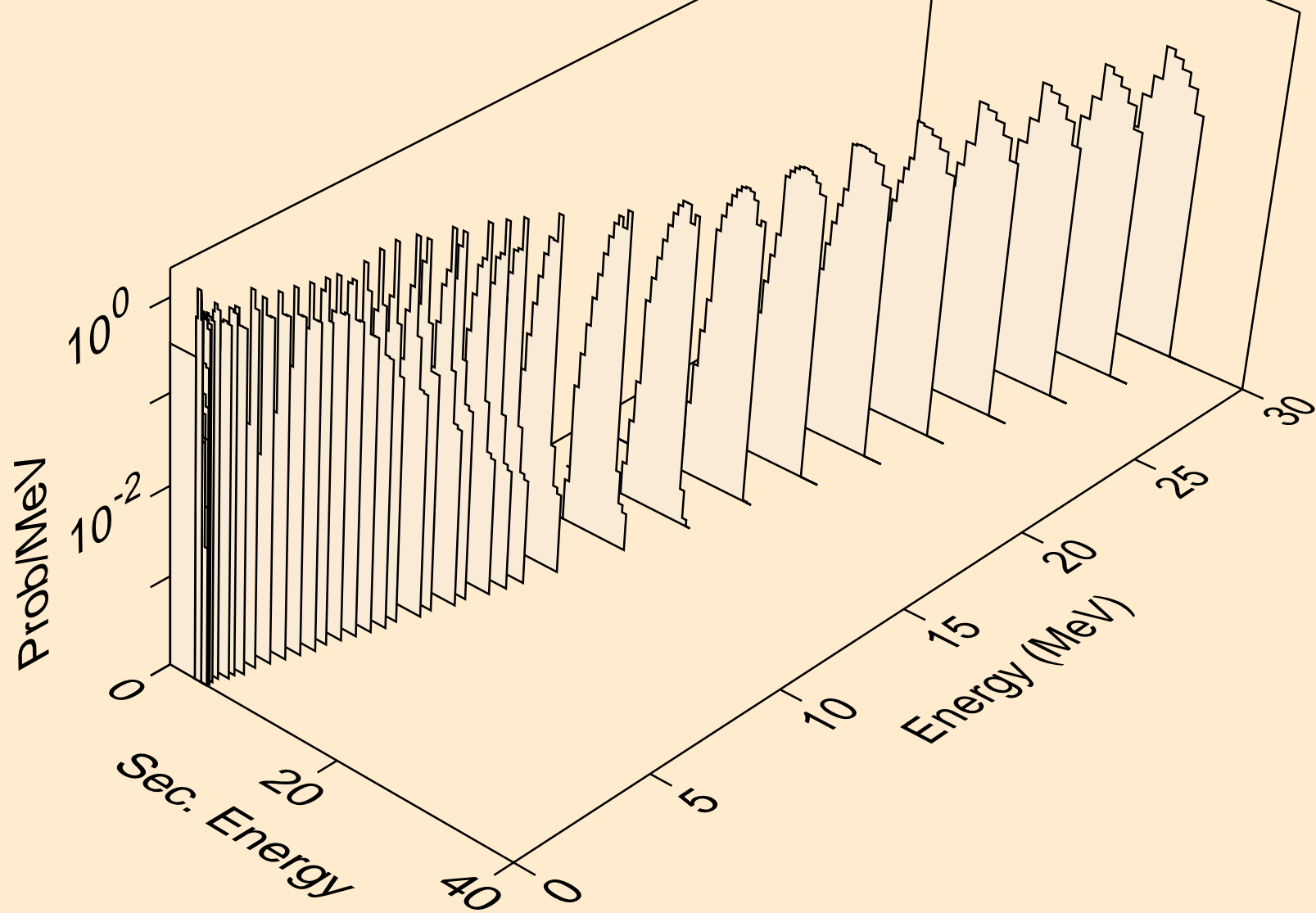
CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
he3s from (n,x)



CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
he3s from (n,n\*)he3

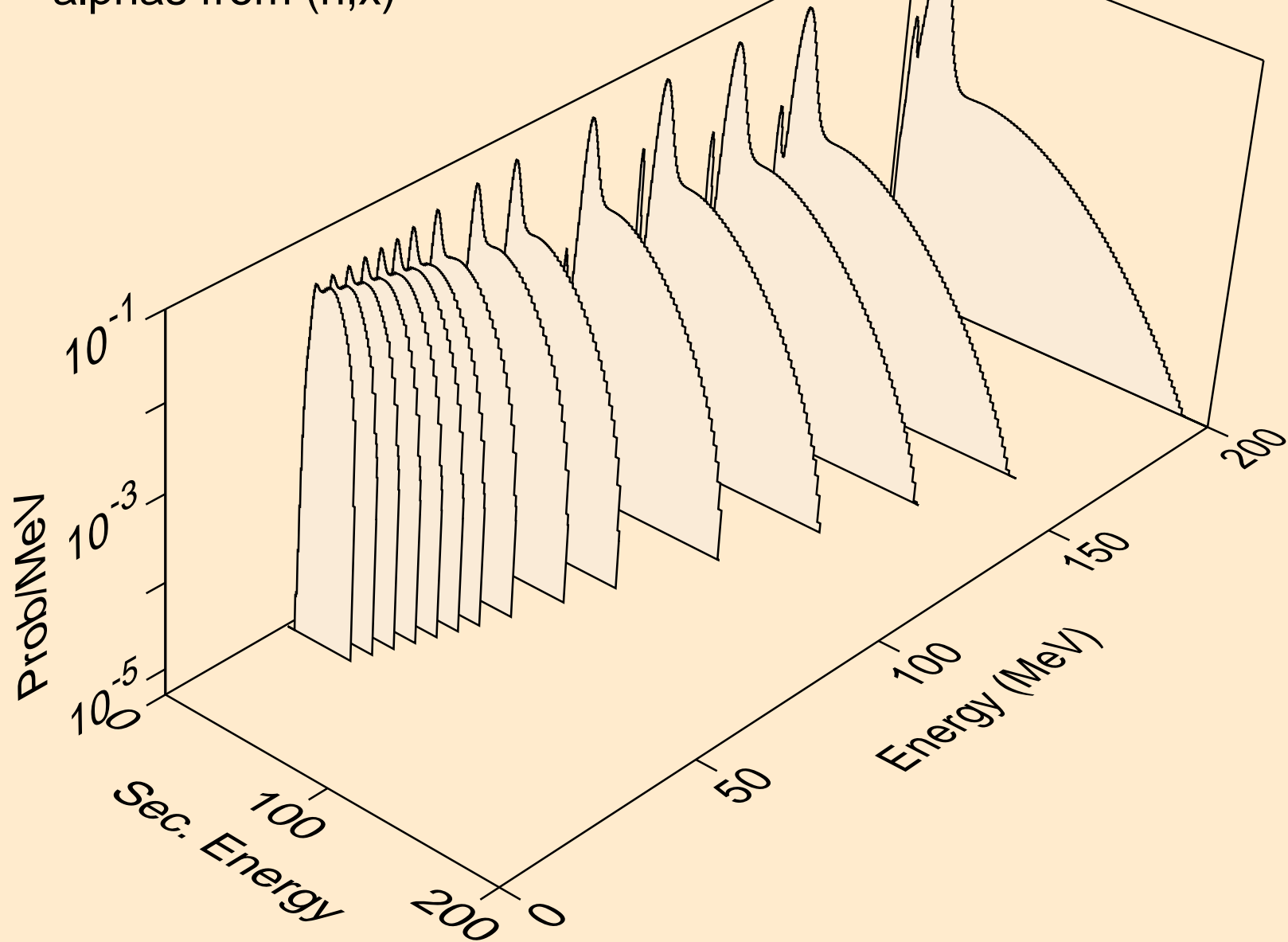


CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
he3s from (n,he3)

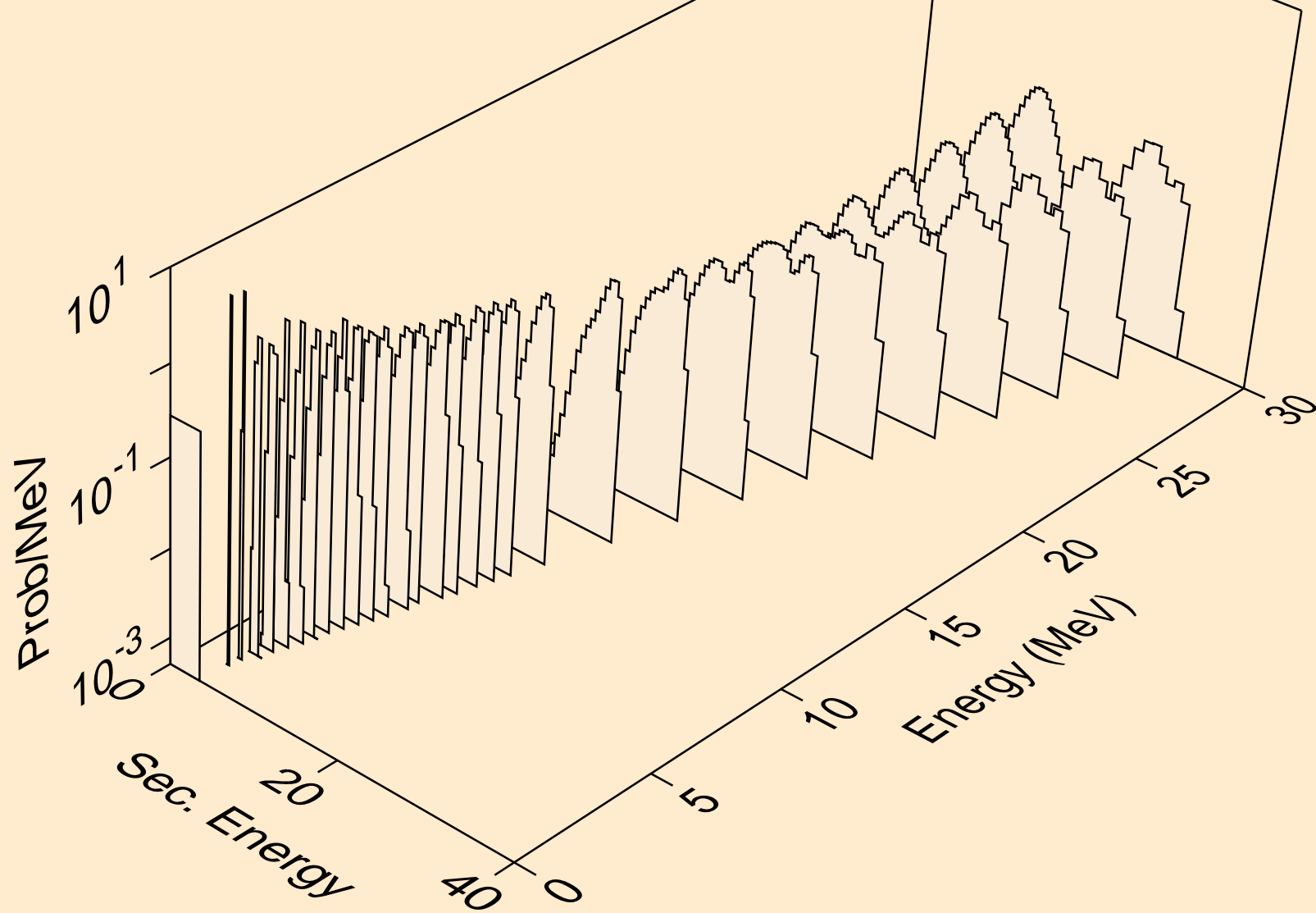




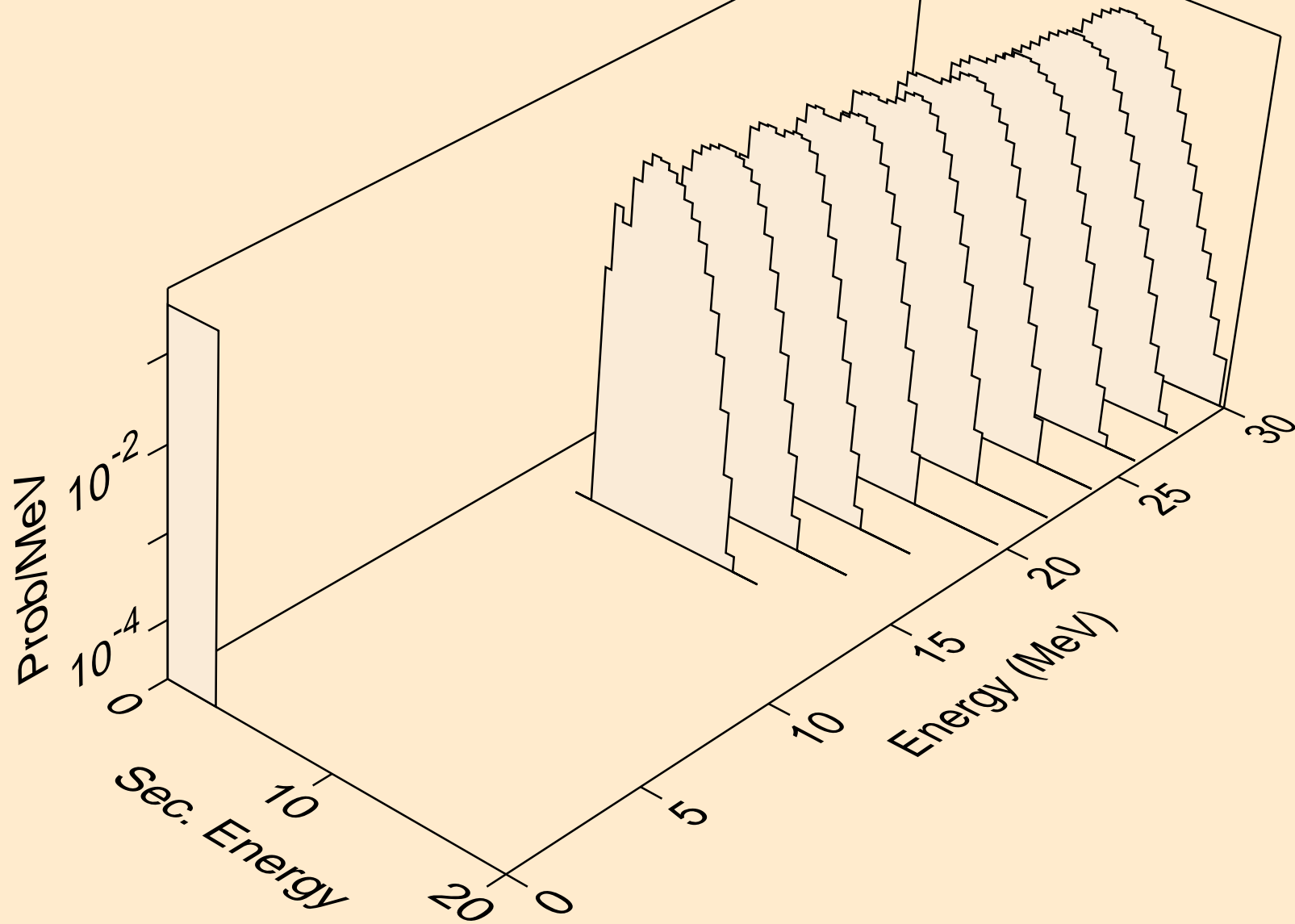
CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,x)



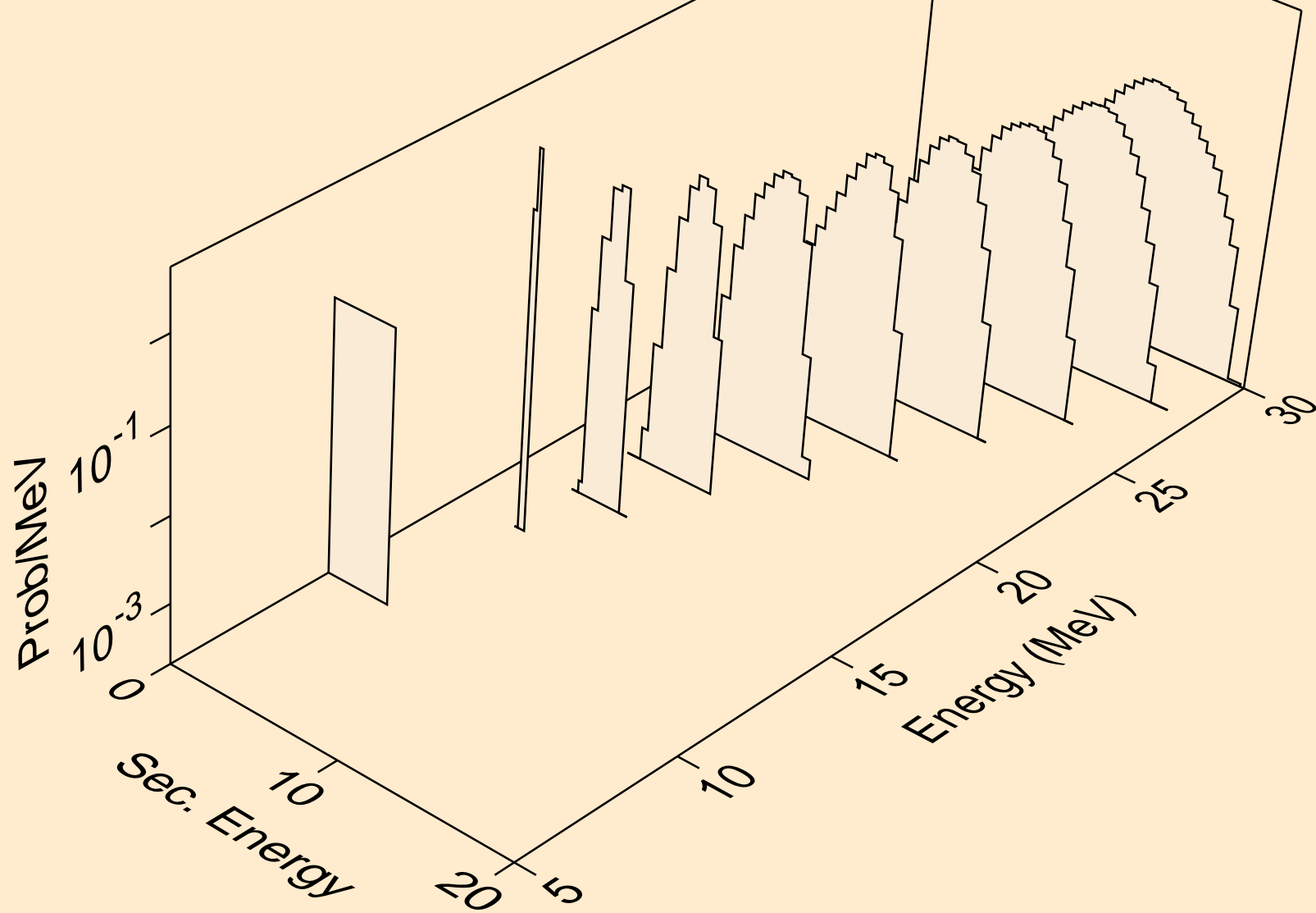
CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,n\*)a



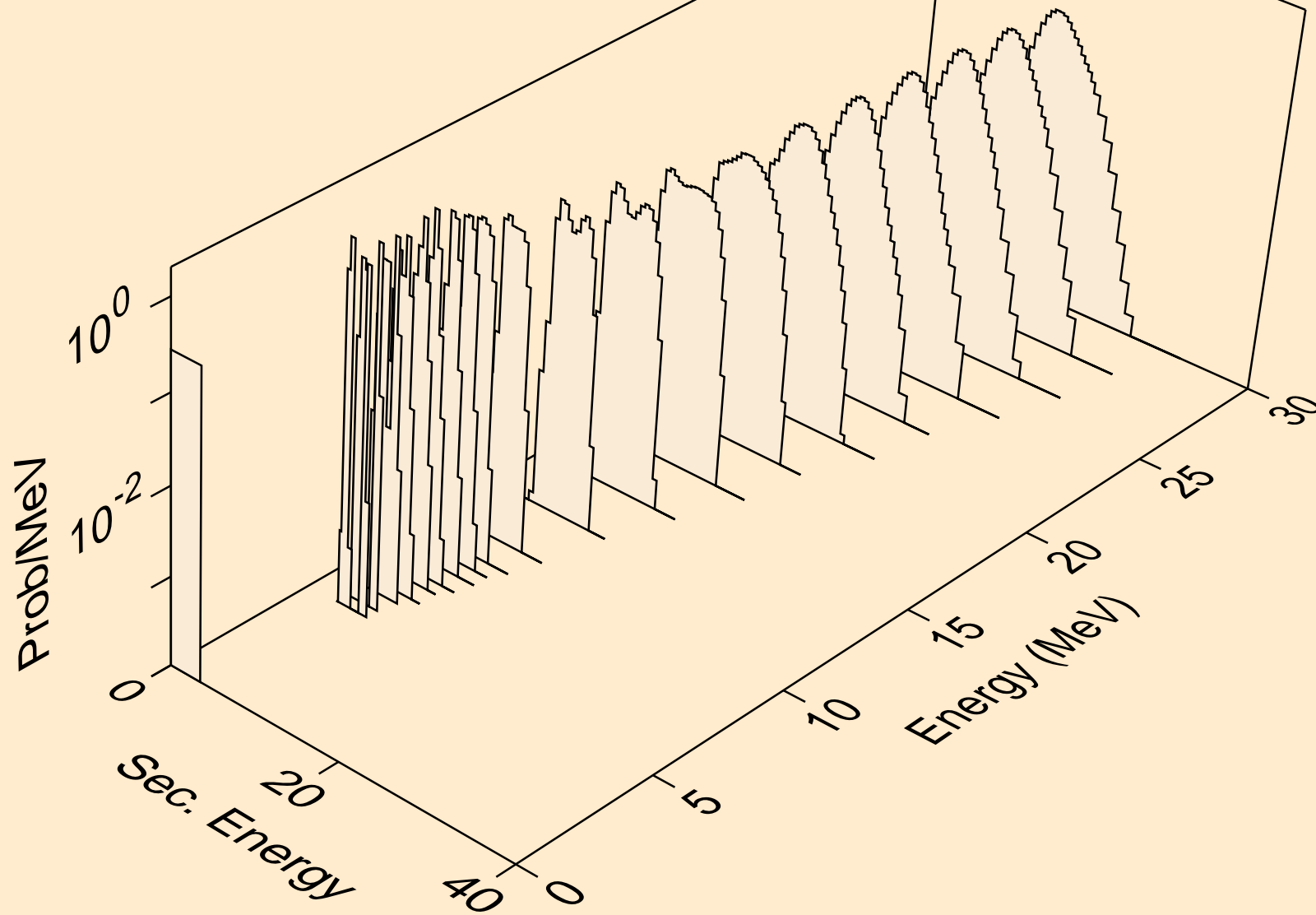
CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,n\*)3a



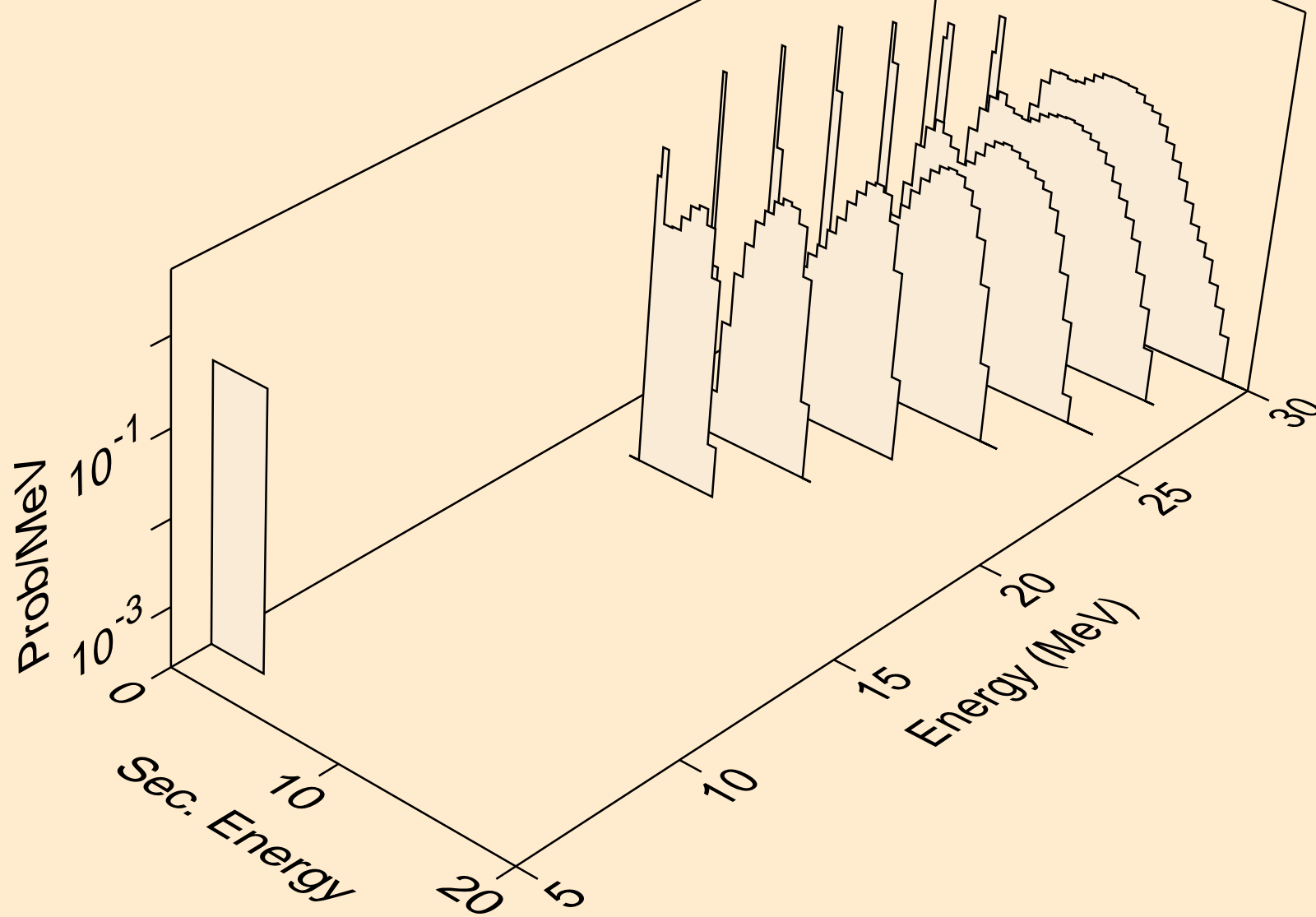
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alphas from (n,2n)a



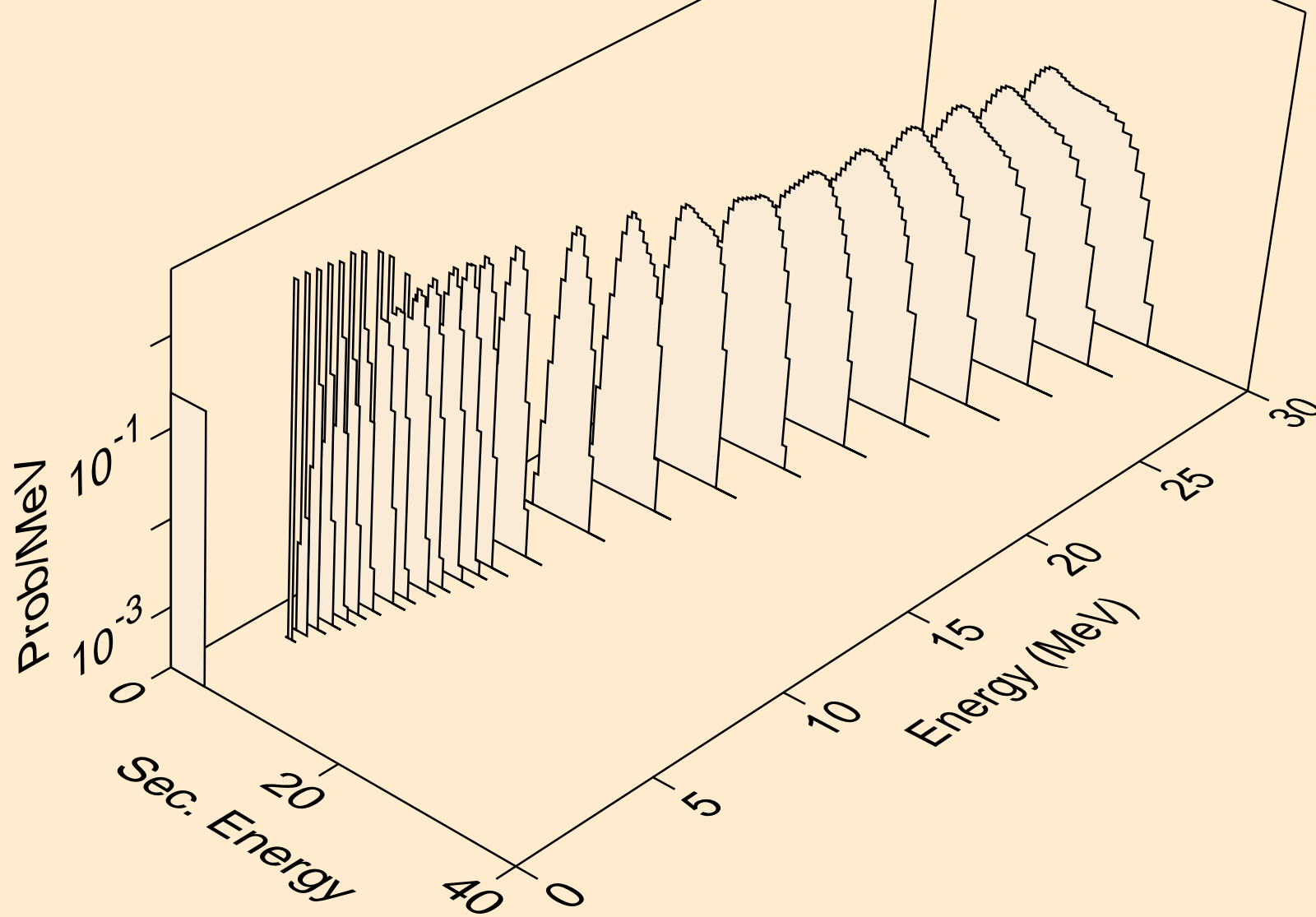
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alphas from (n,n\*)2a



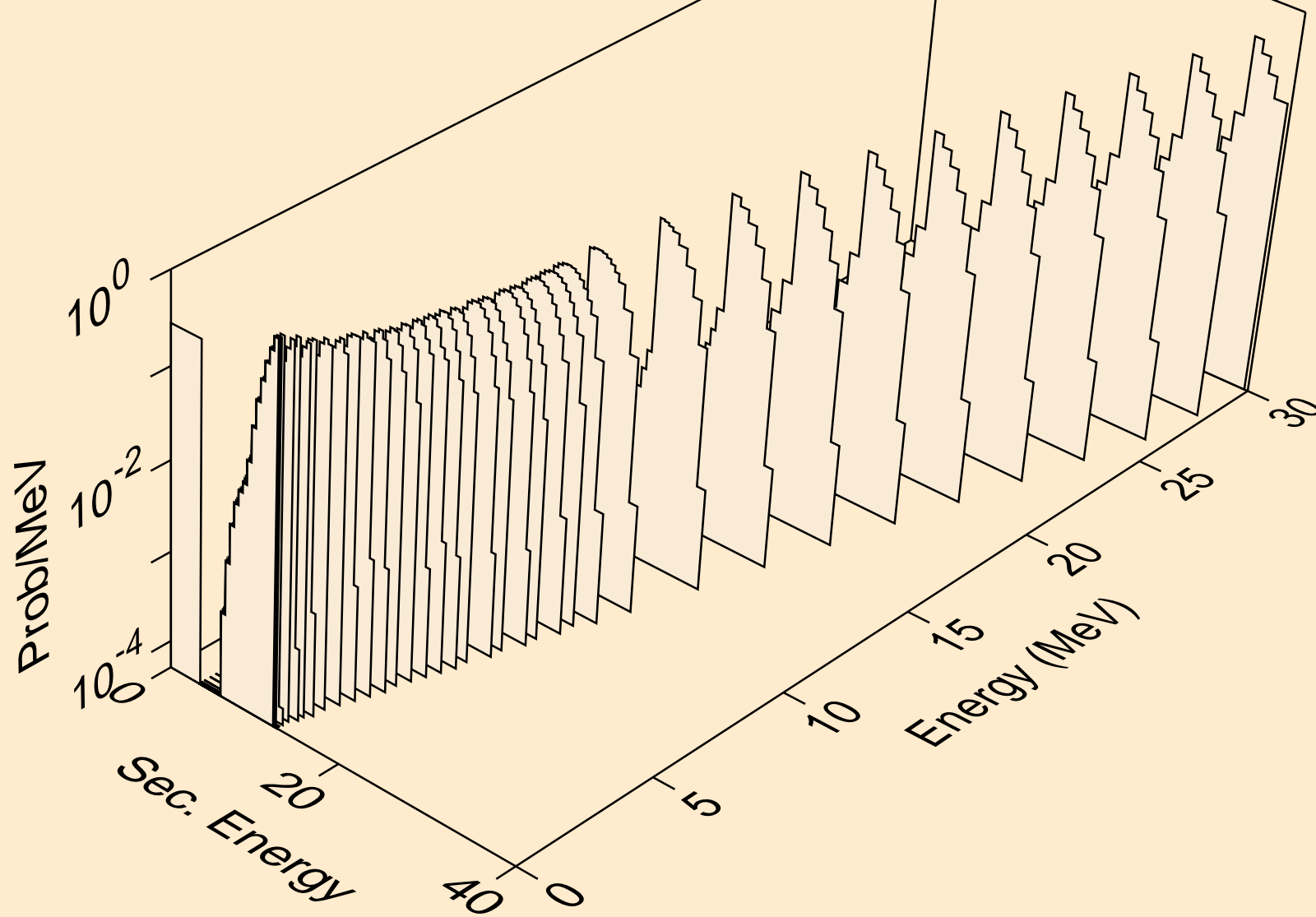
CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2n)2a



CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,npa)

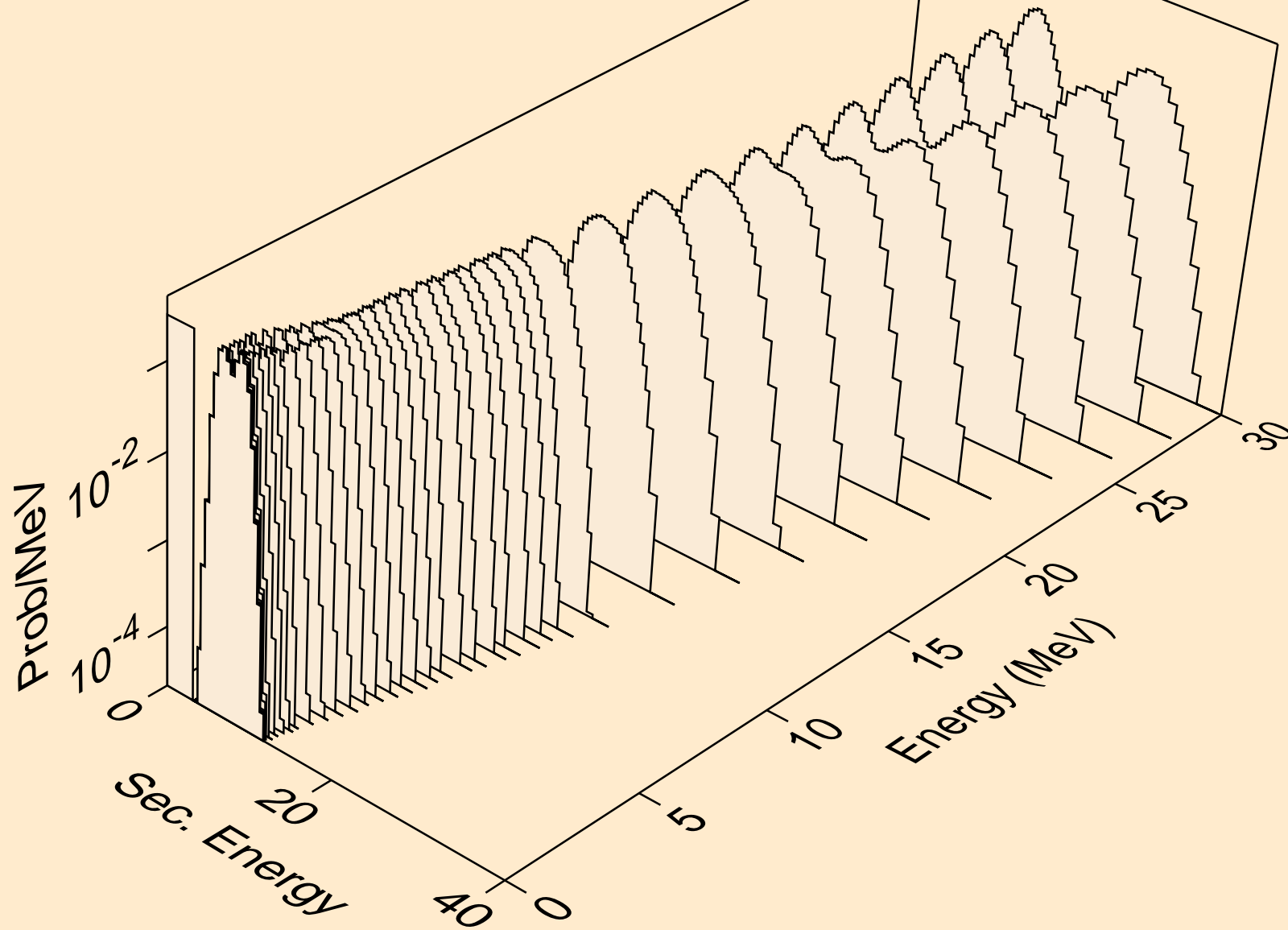


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alphas from (n,a)

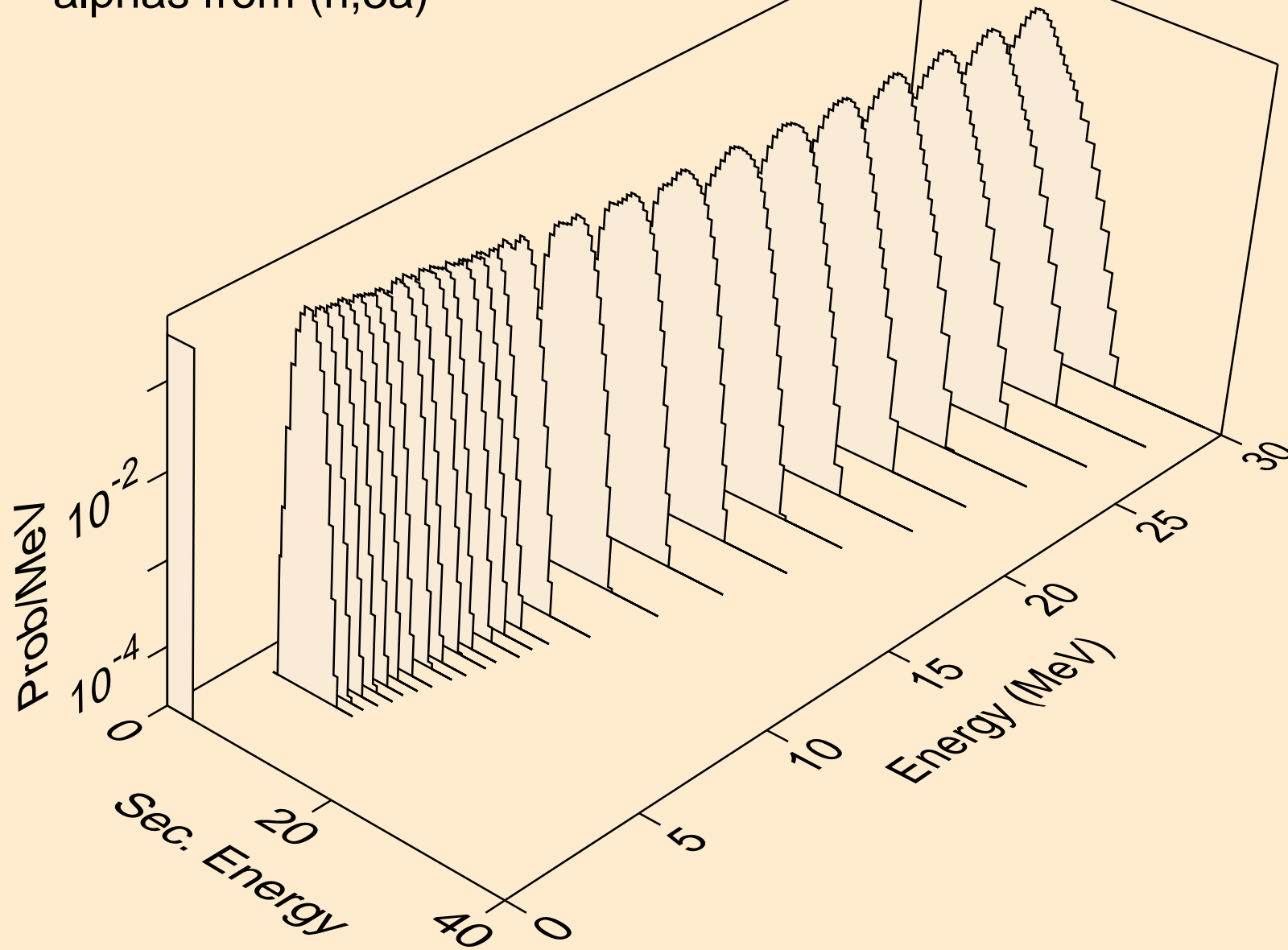




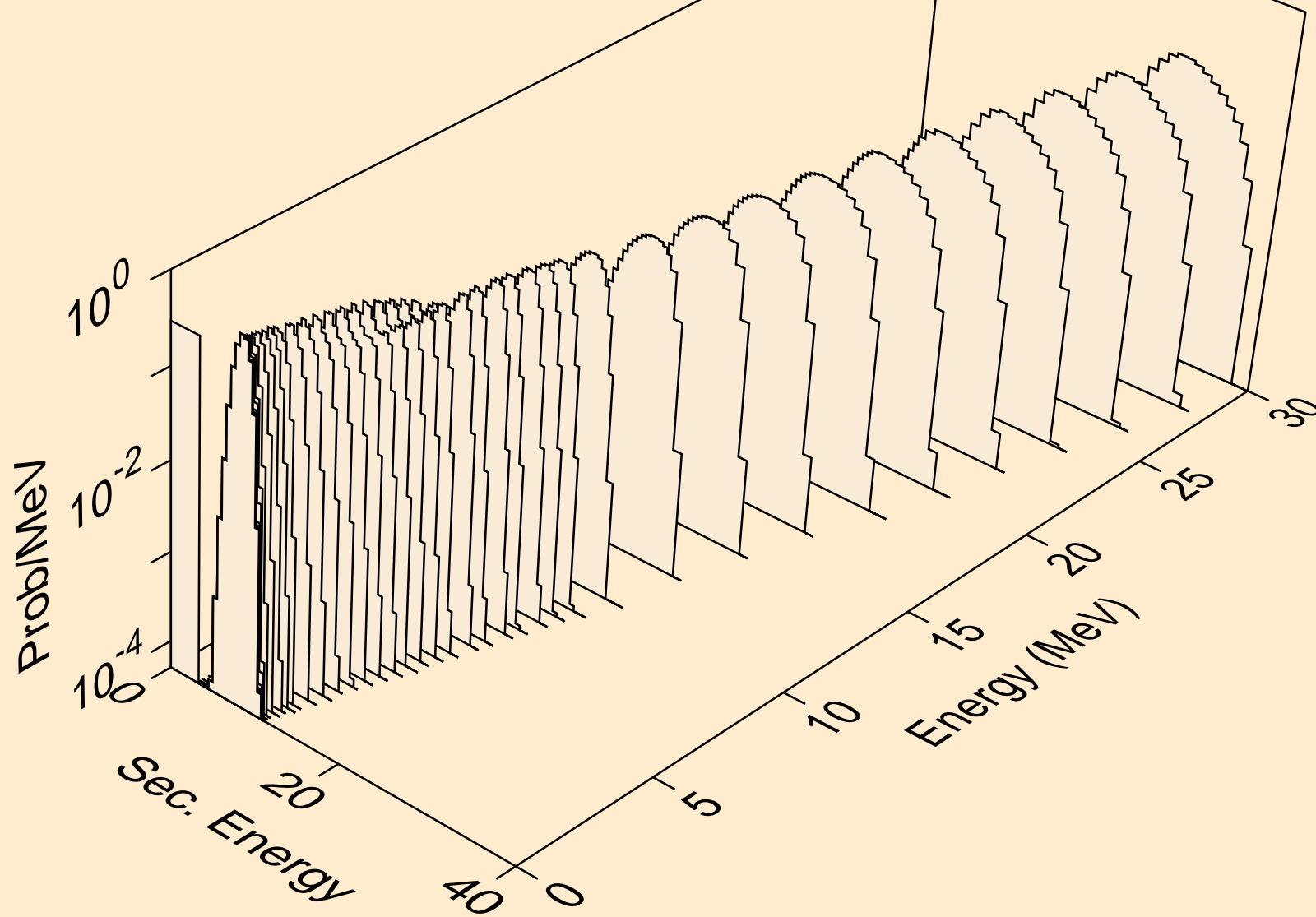
CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2a)



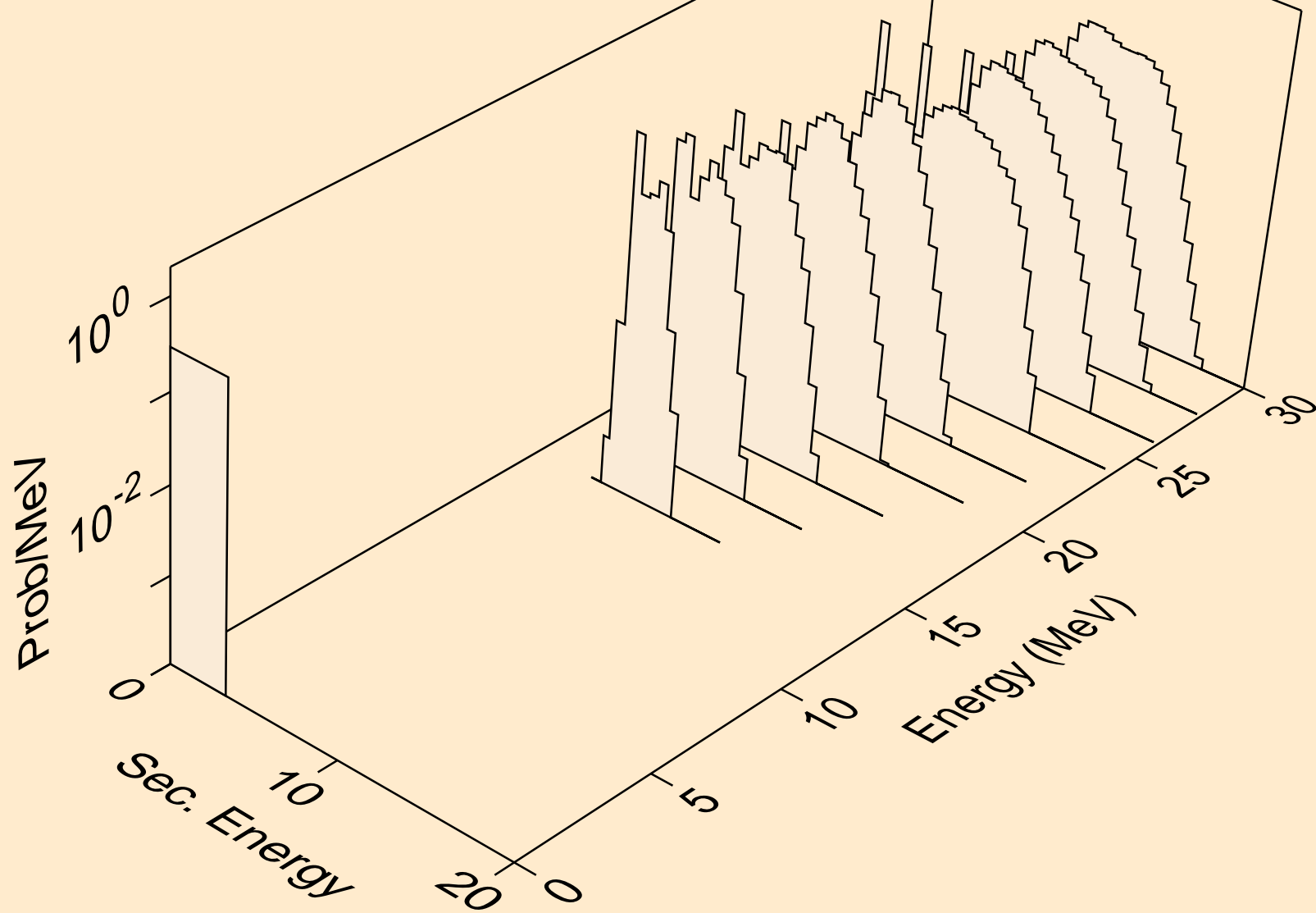
CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,3a)



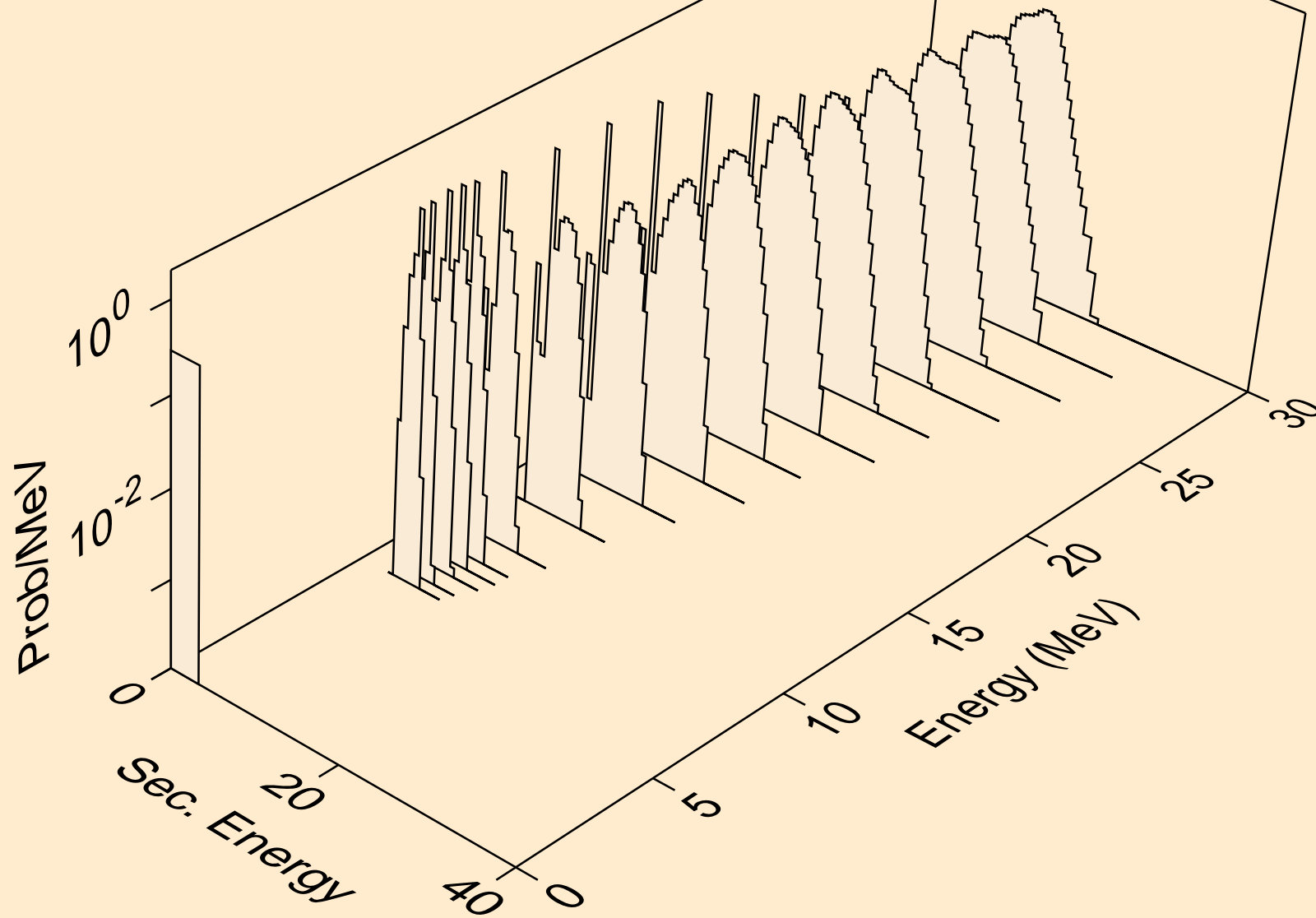
CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,pa)



CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,t2a)



CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,d2a)



CS115 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,da)

