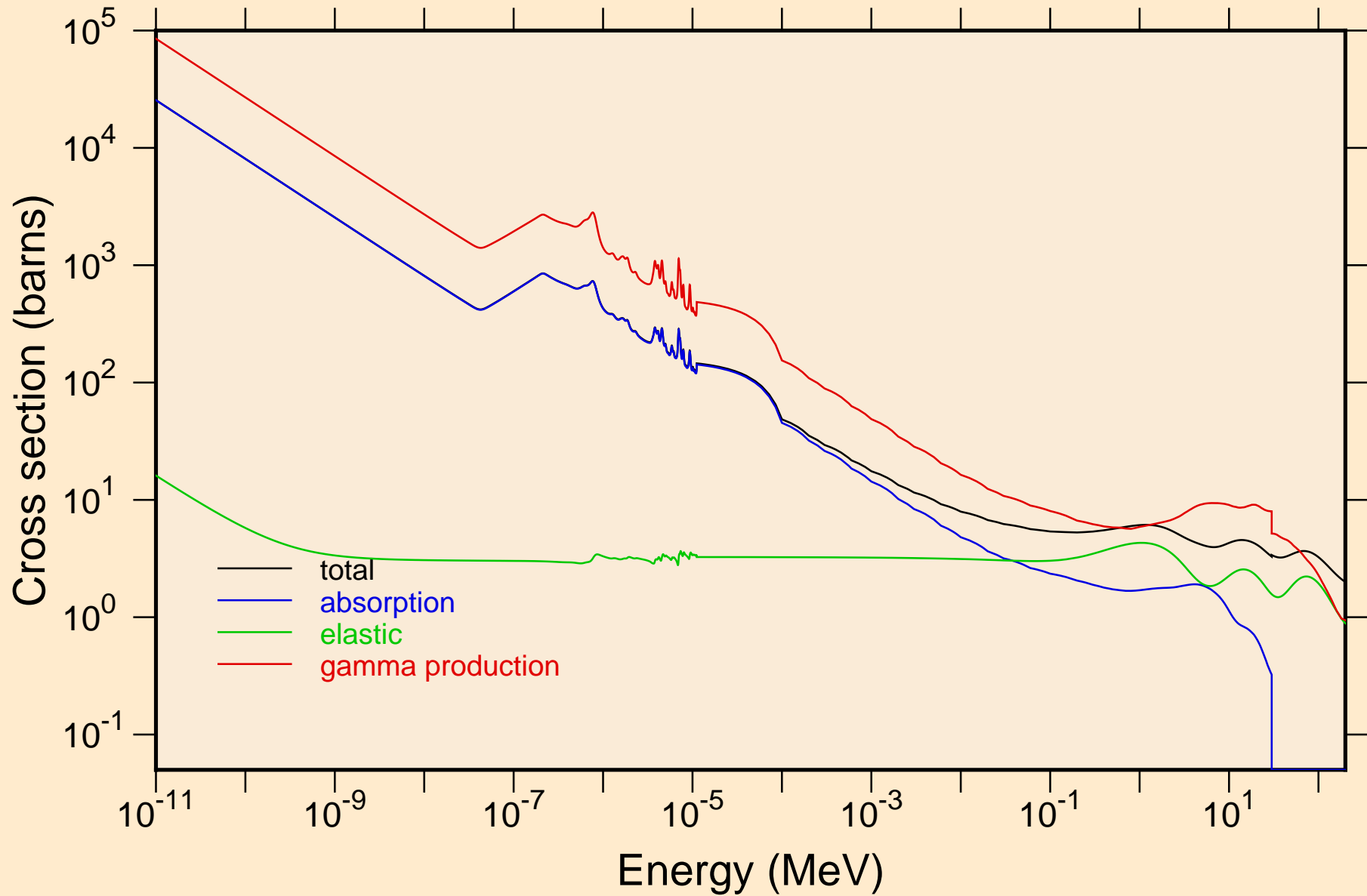
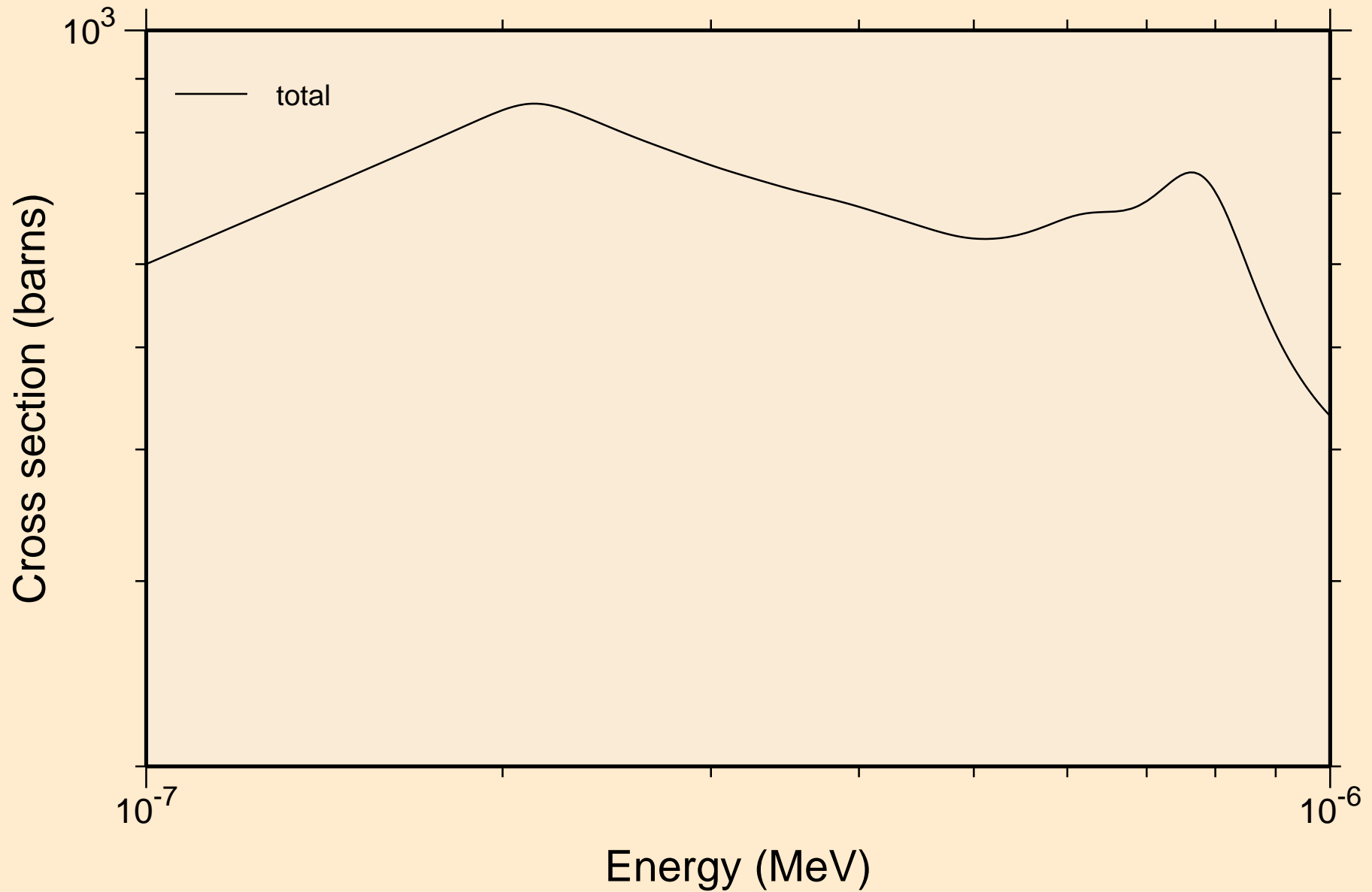


# CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

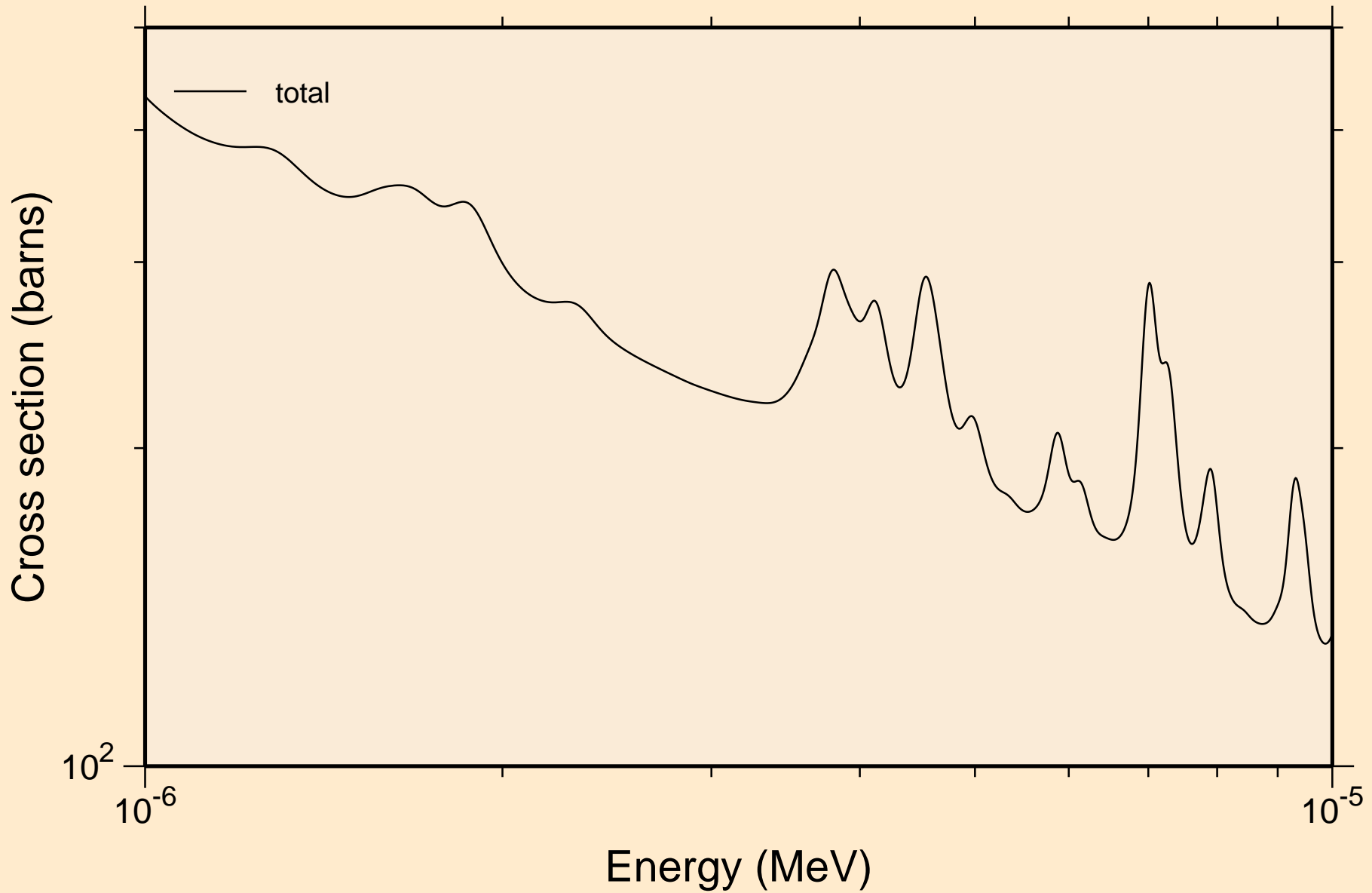
## Principal cross sections



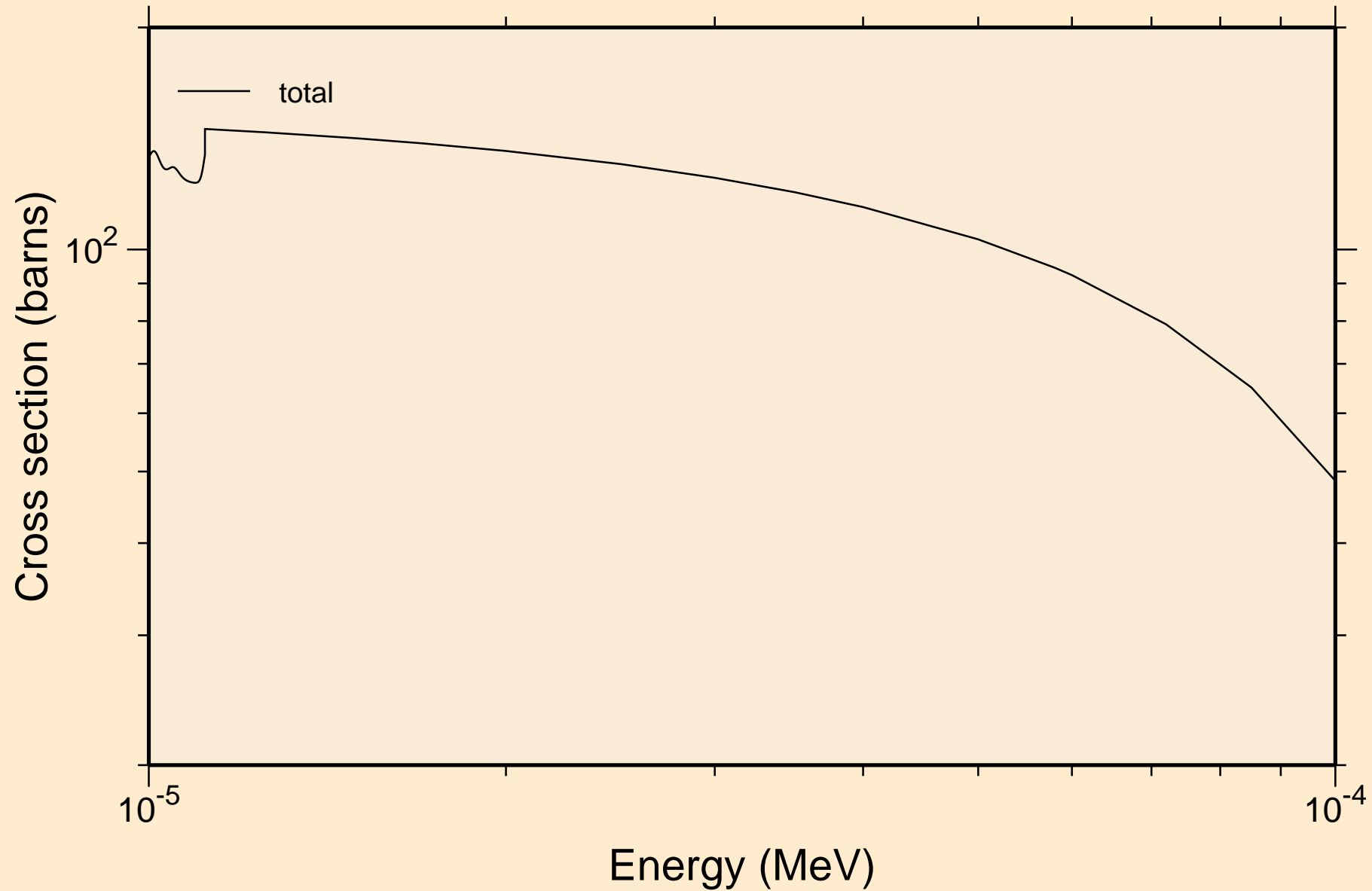
CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



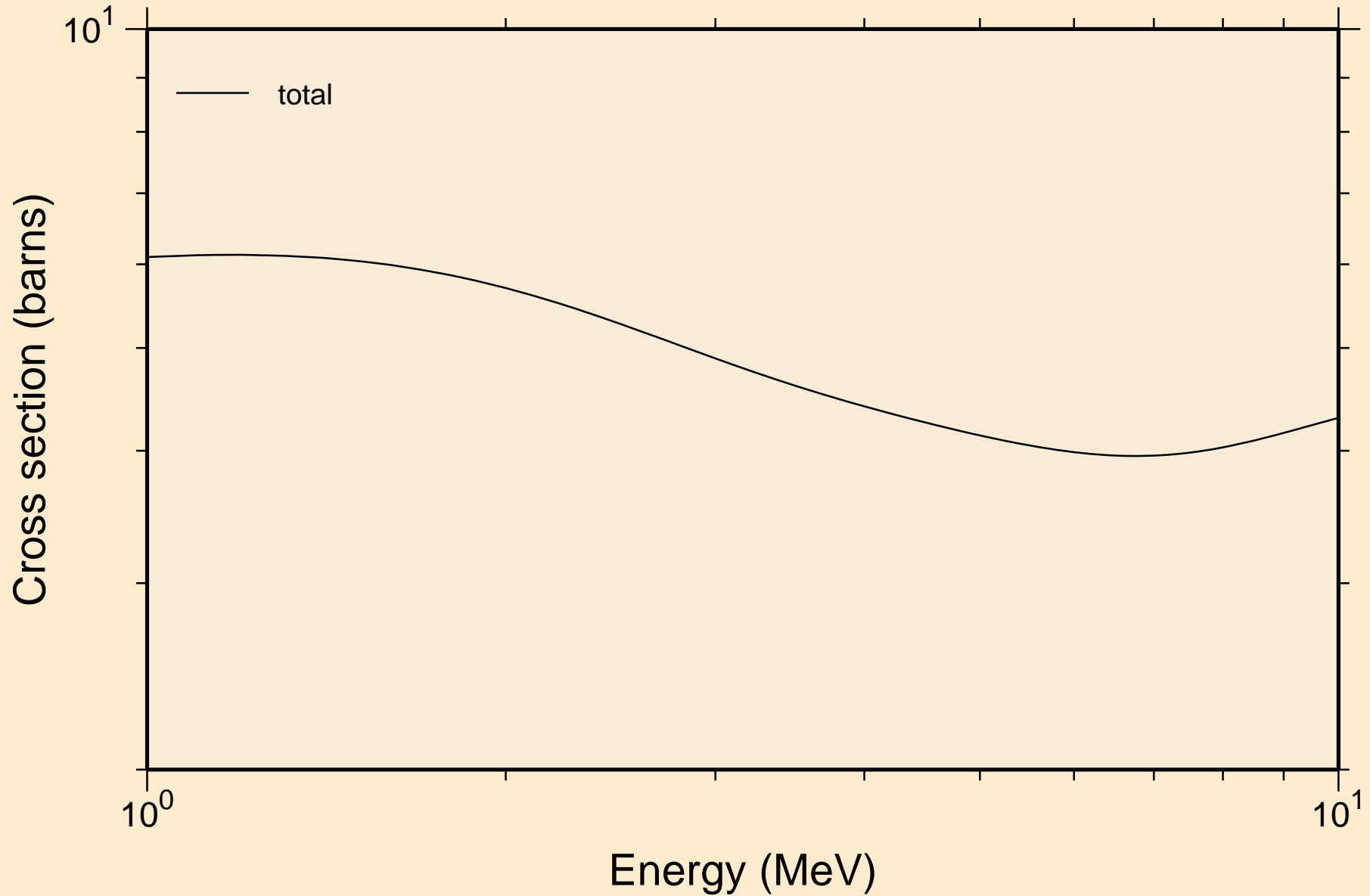
CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



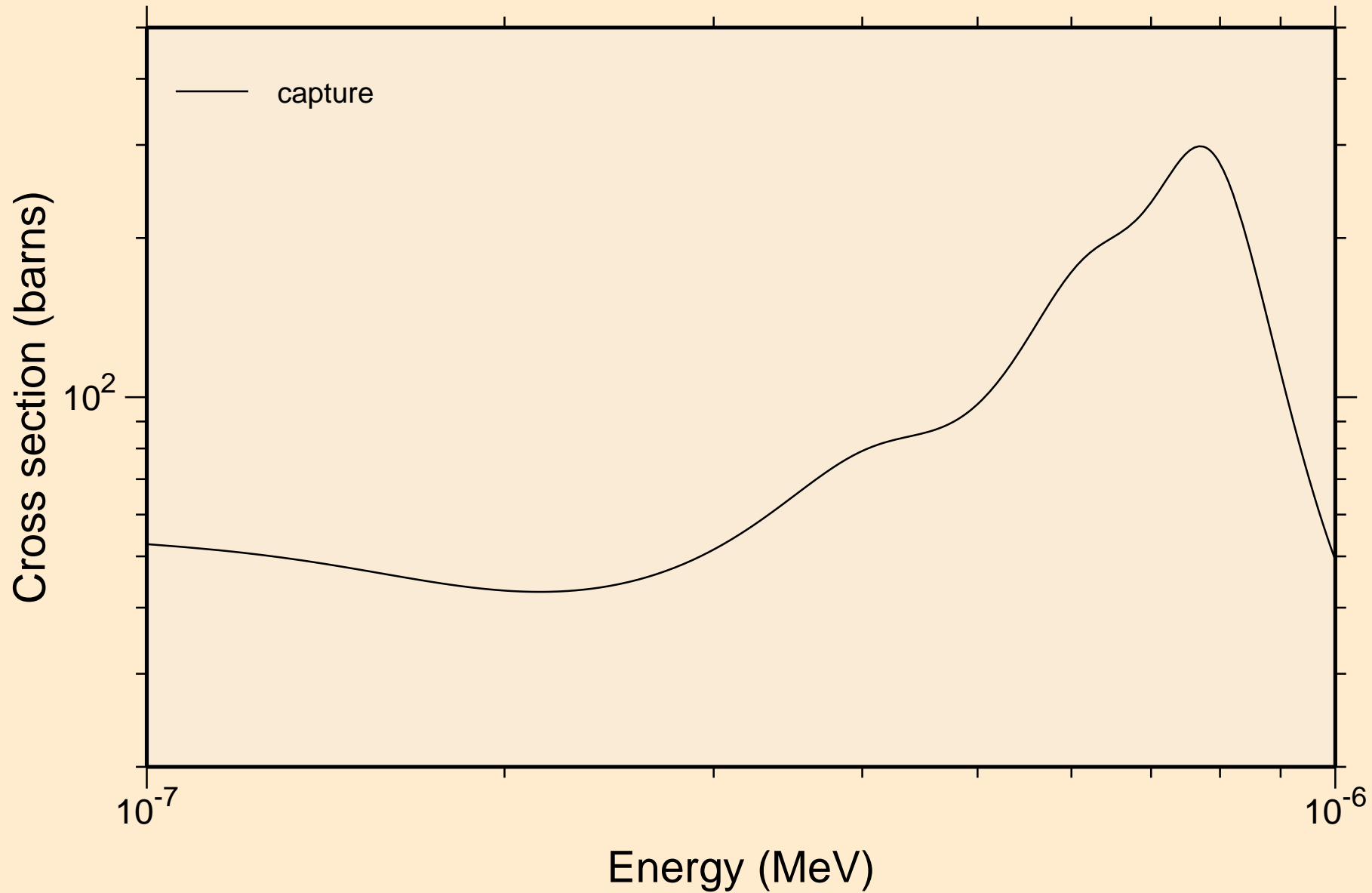
CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



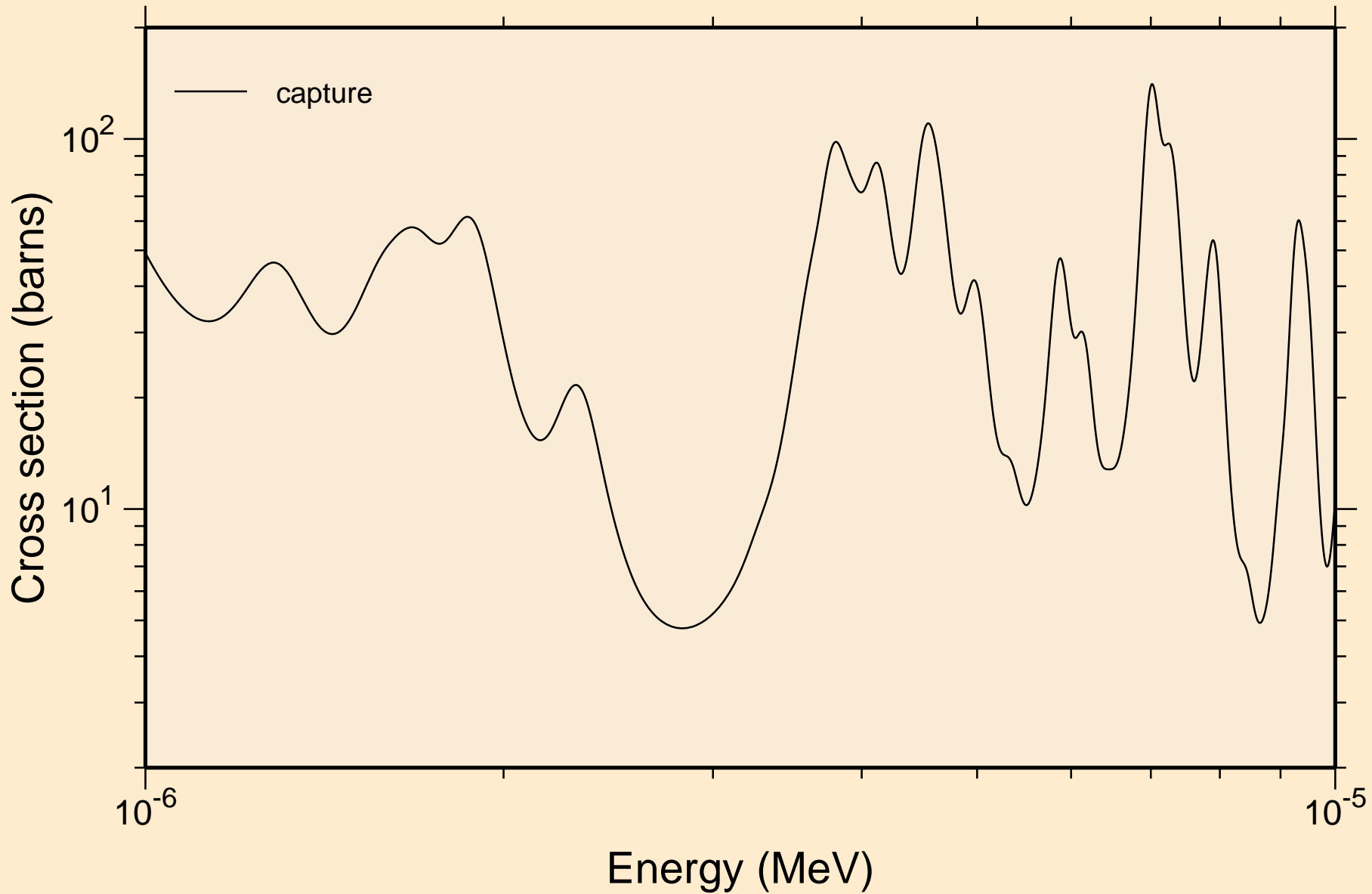
CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



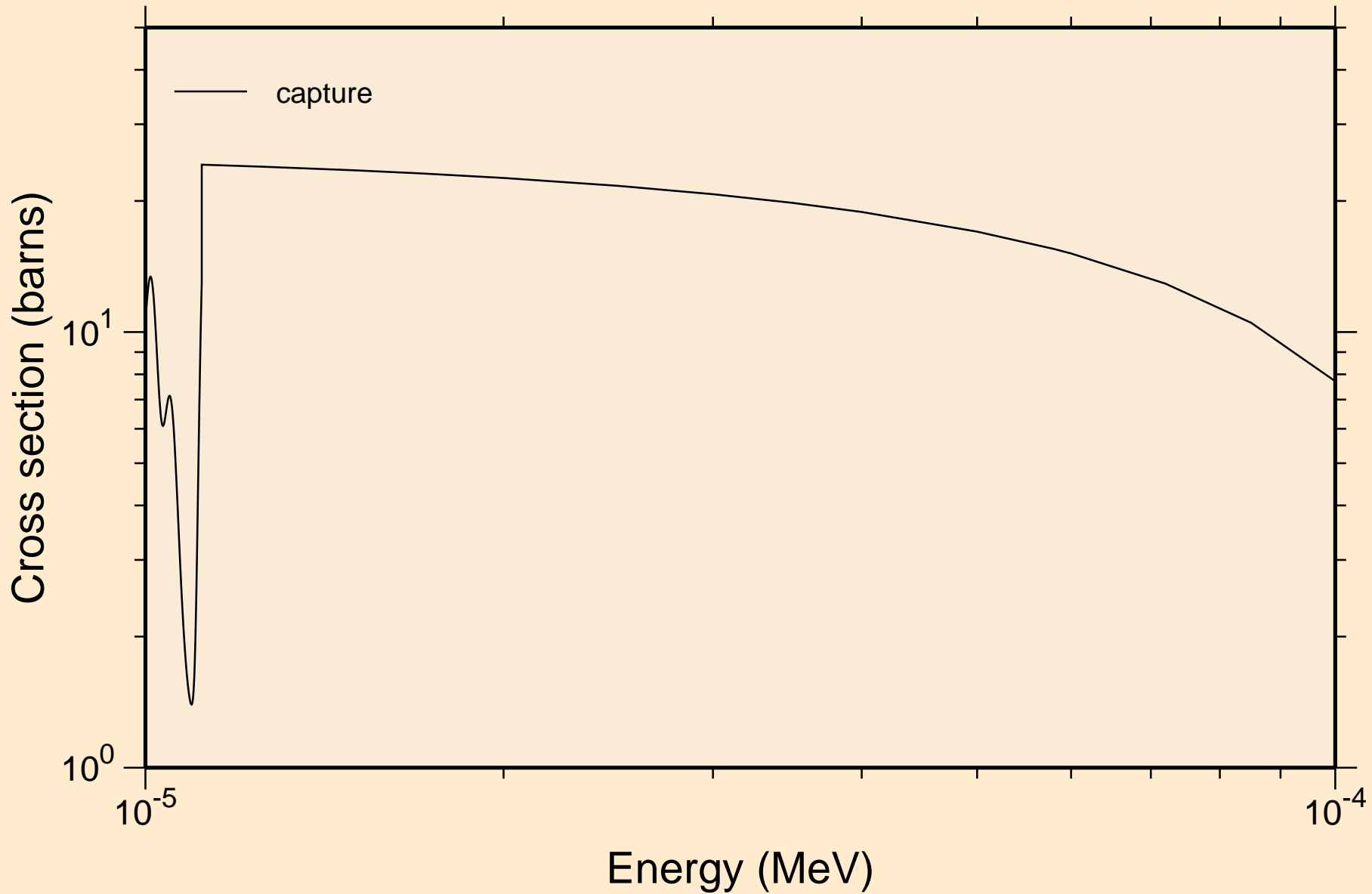
CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections

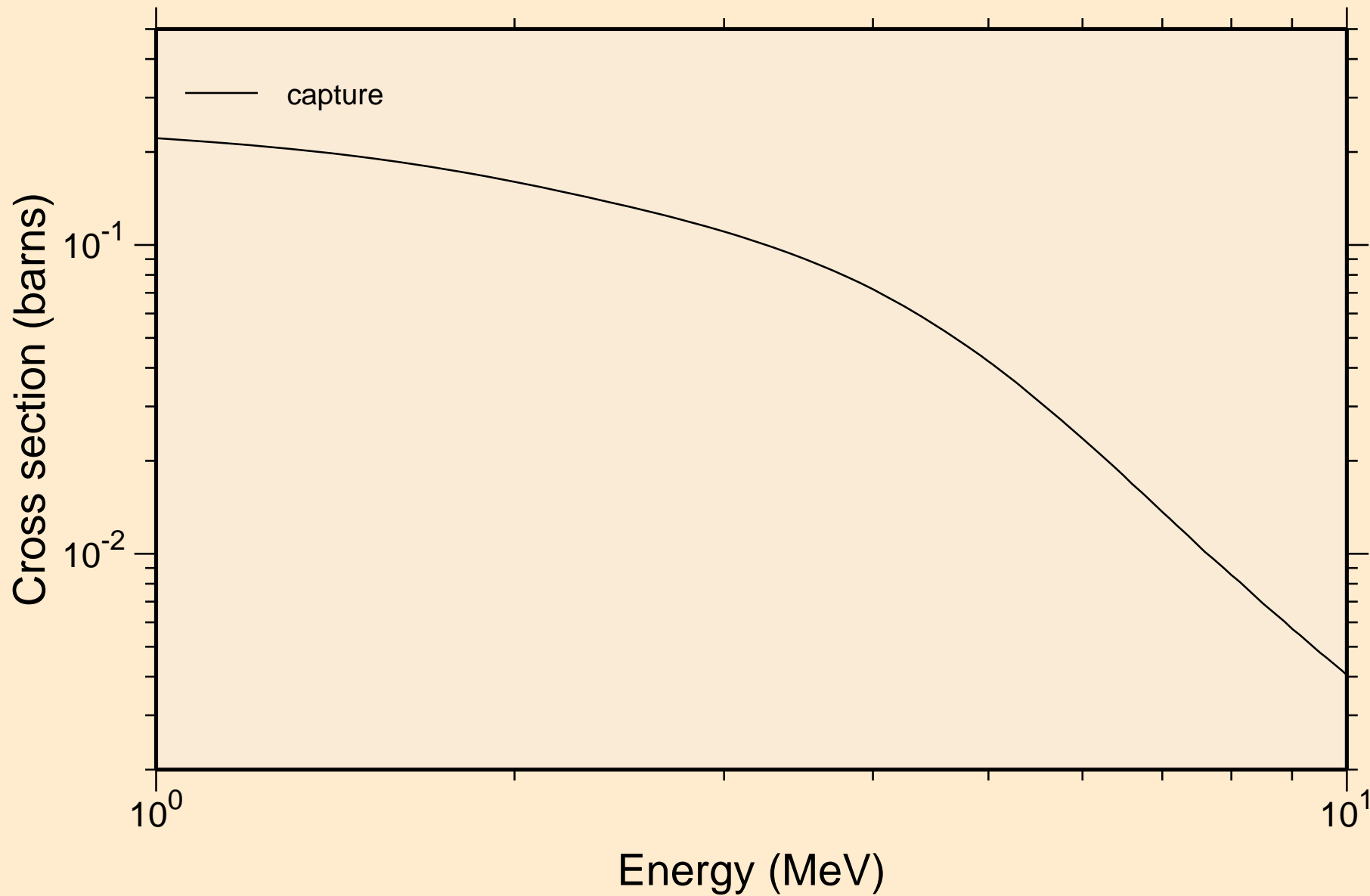


CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



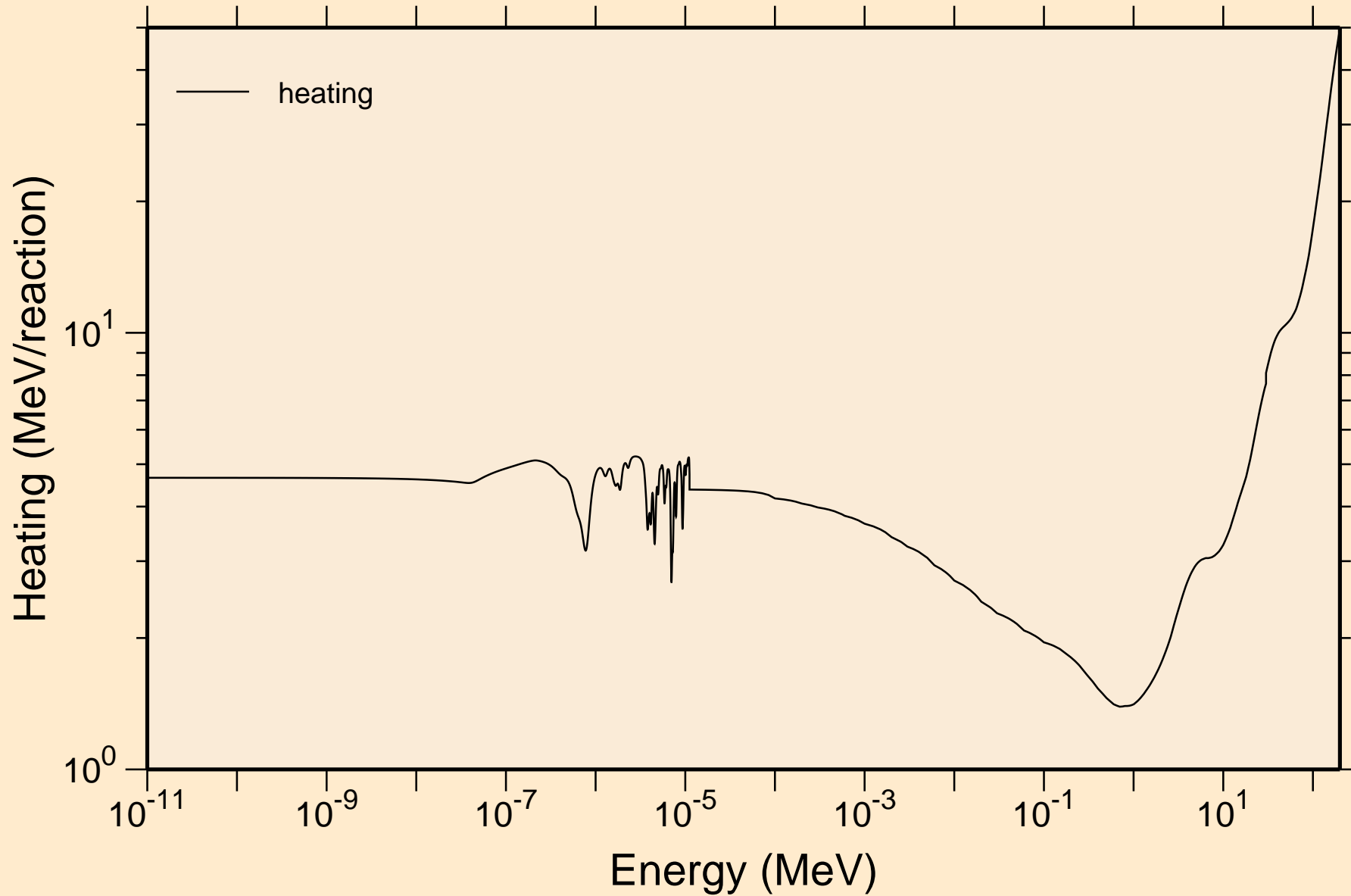


CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections

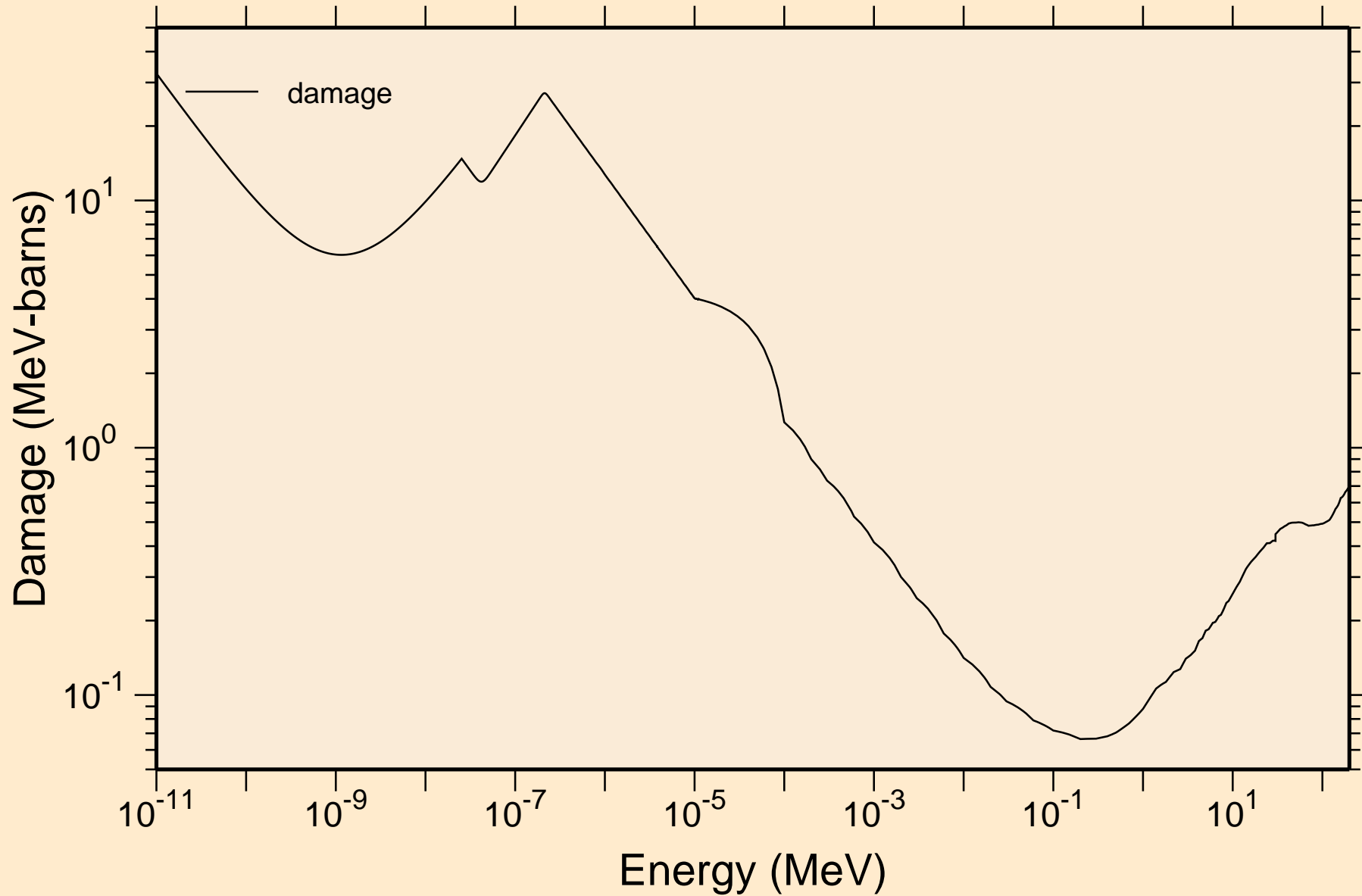


# CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

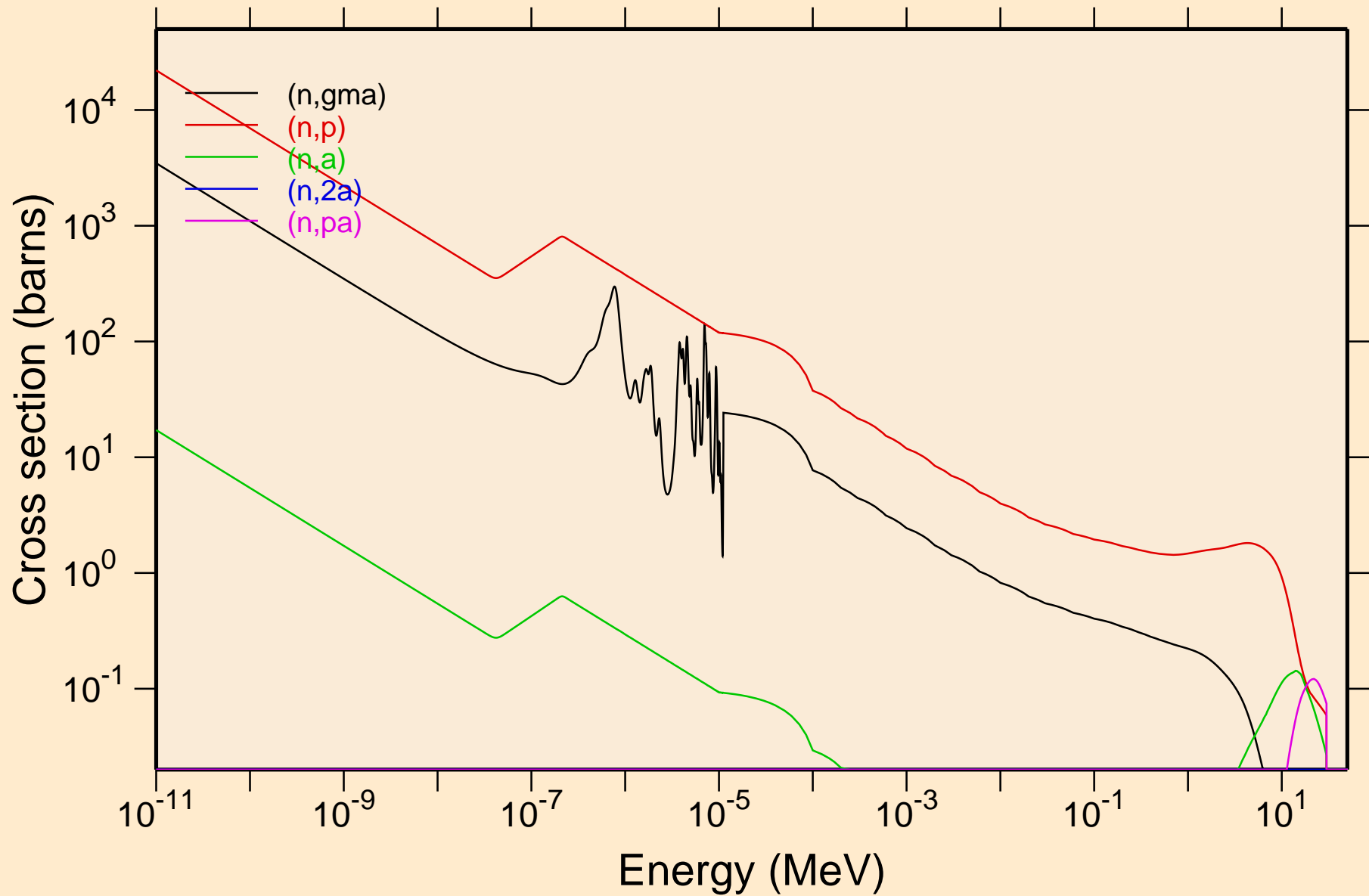
## Heating



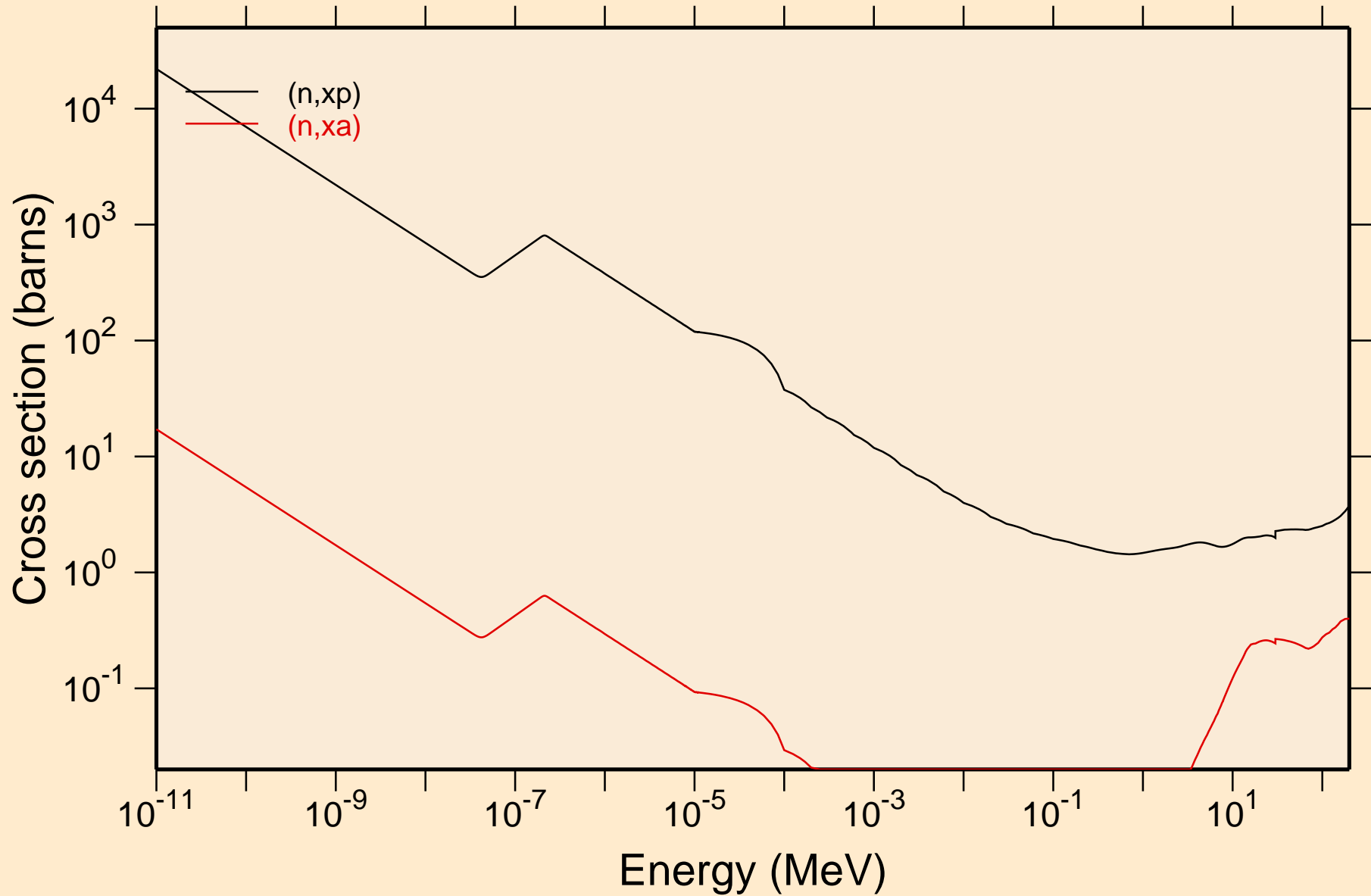
CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Damage



CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions

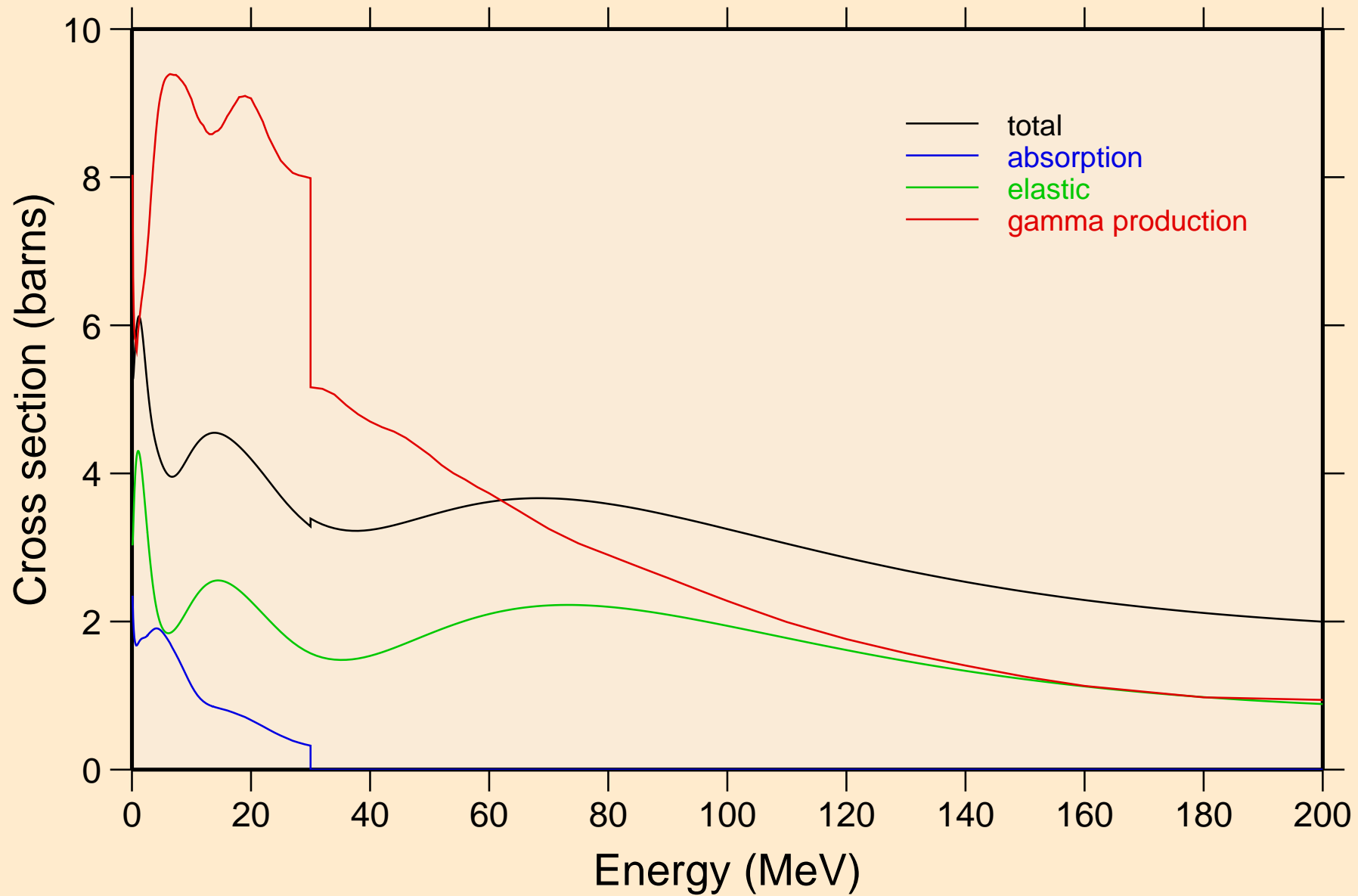


CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions



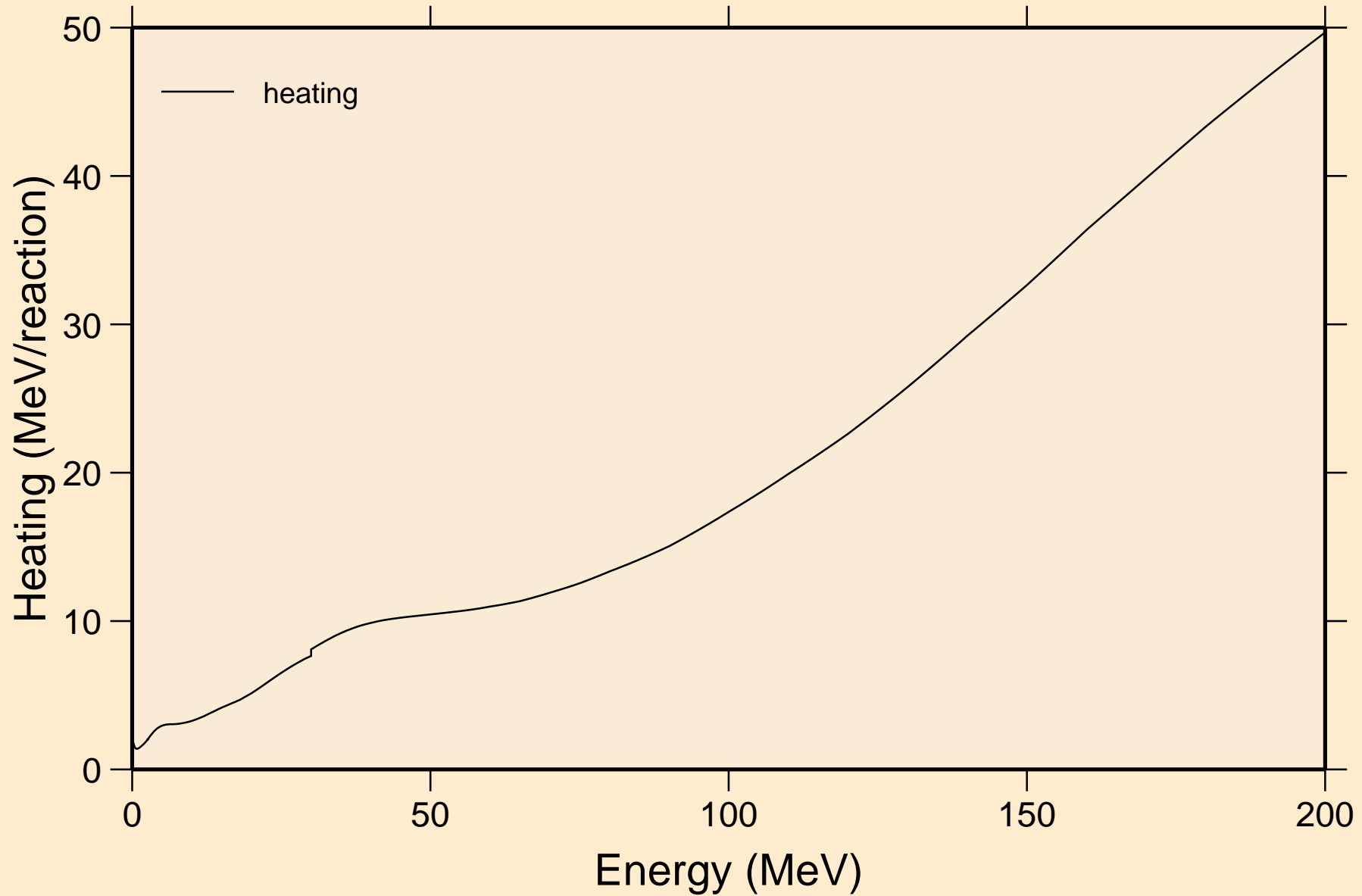
# CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Principal cross sections



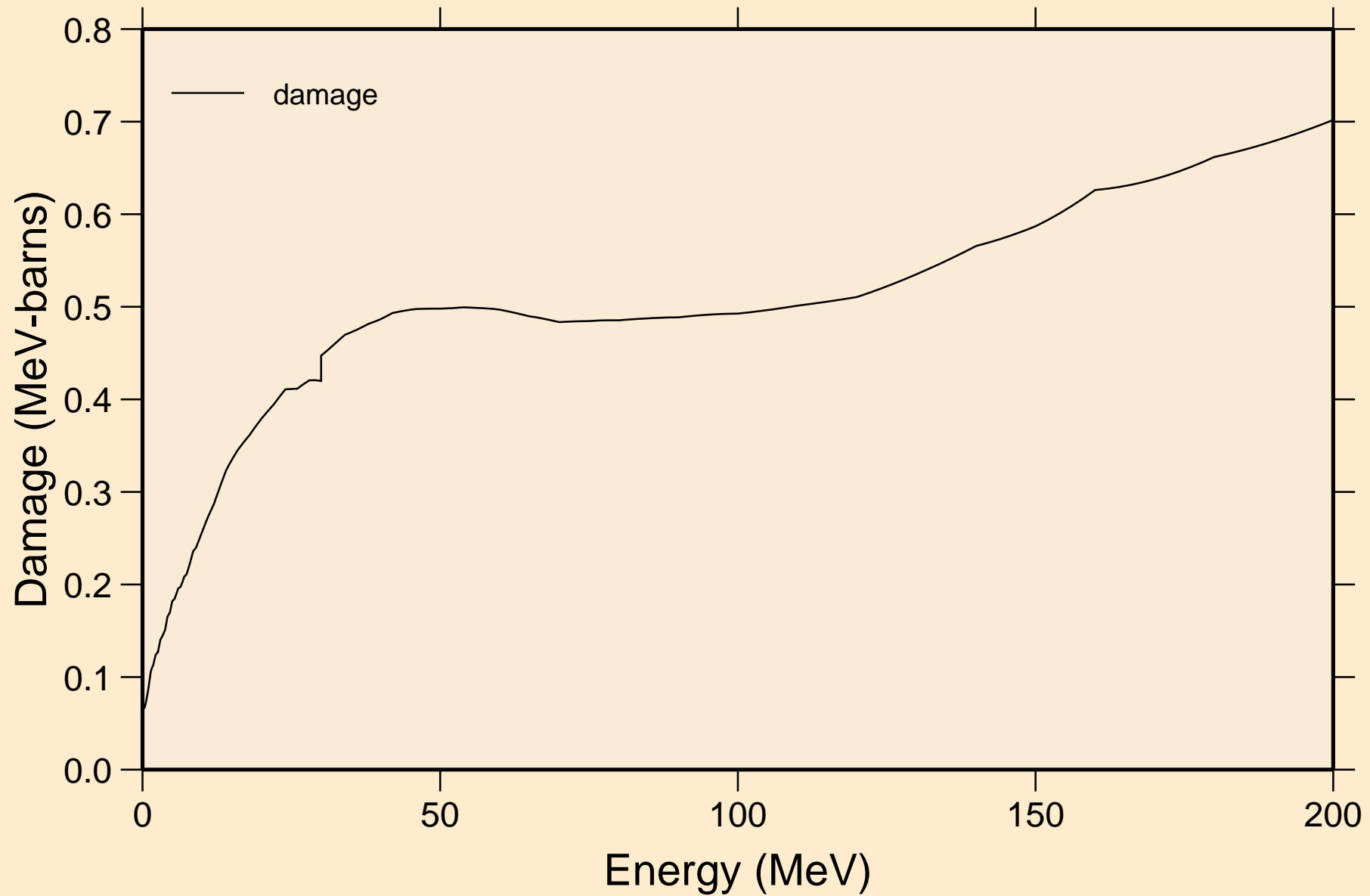
# CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Heating



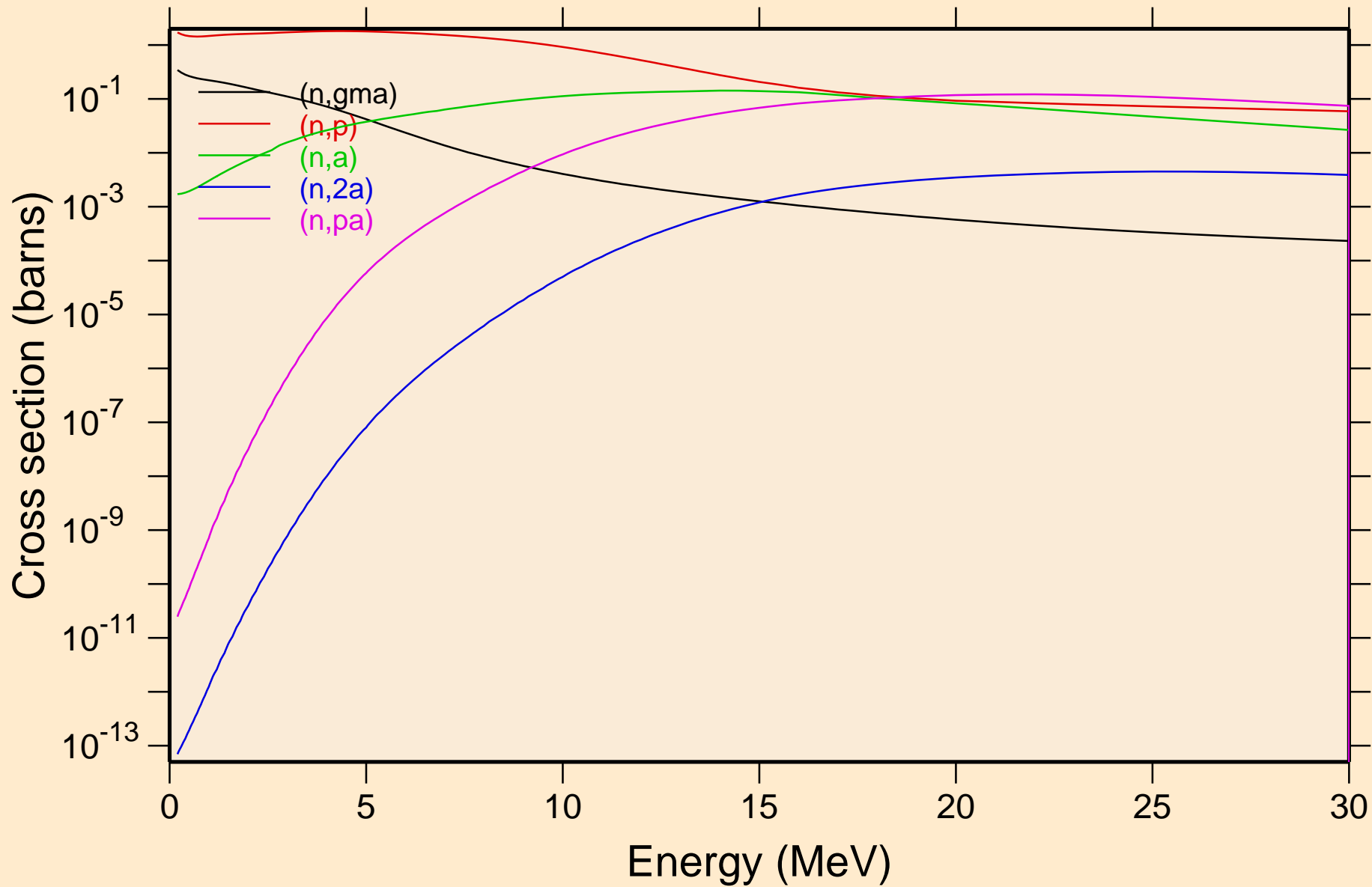
# CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Damage

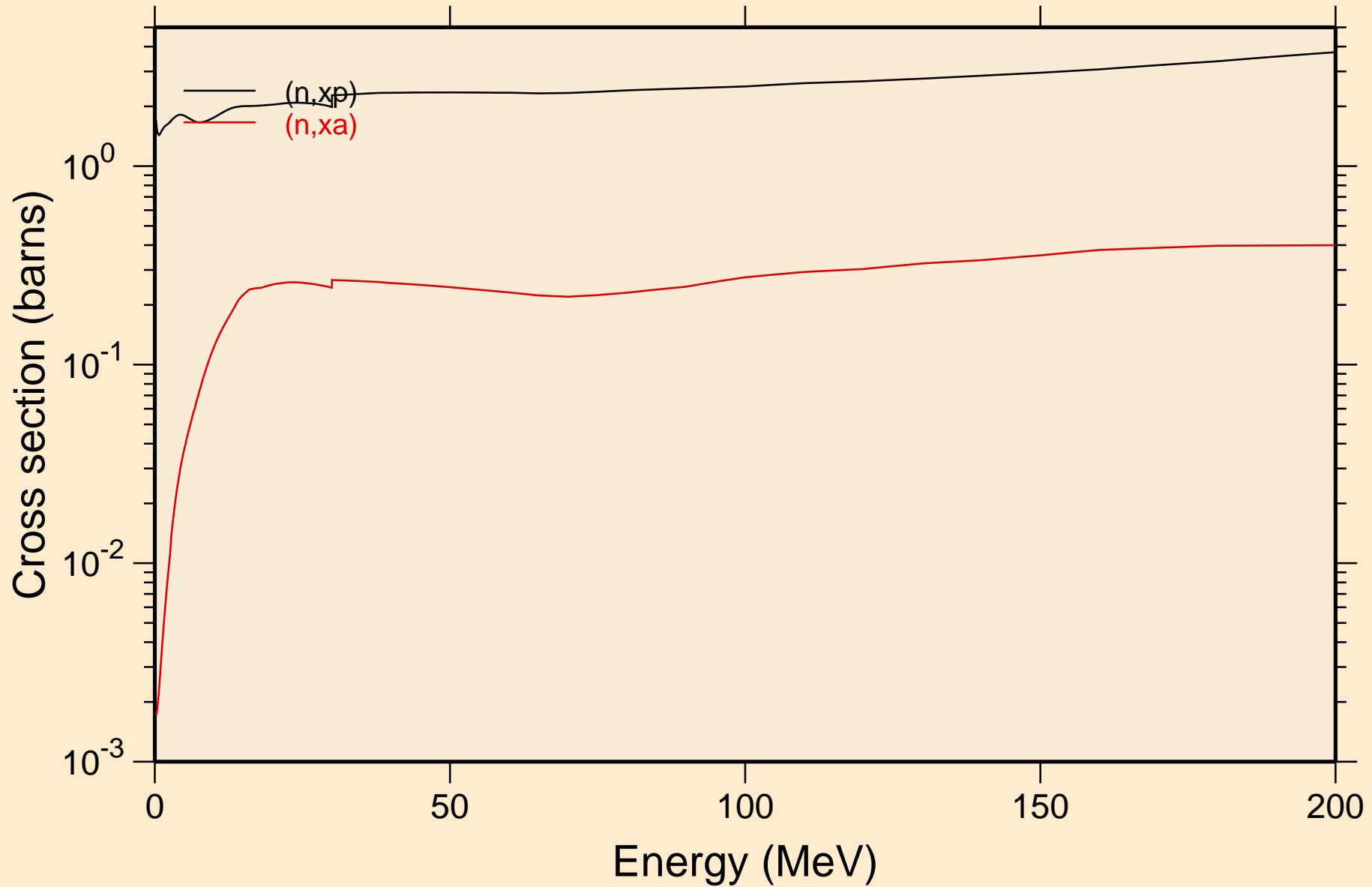




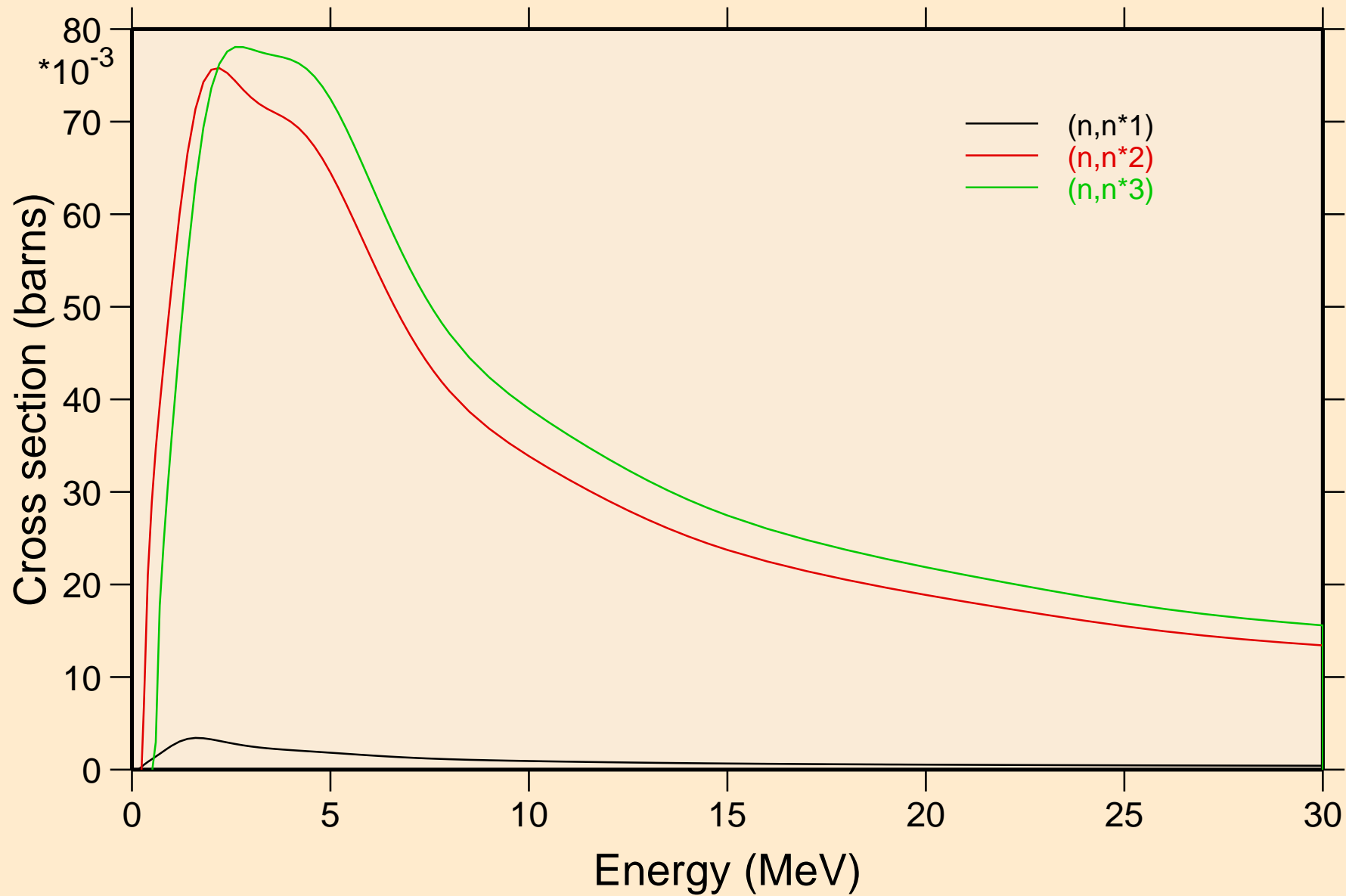
CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions



CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions

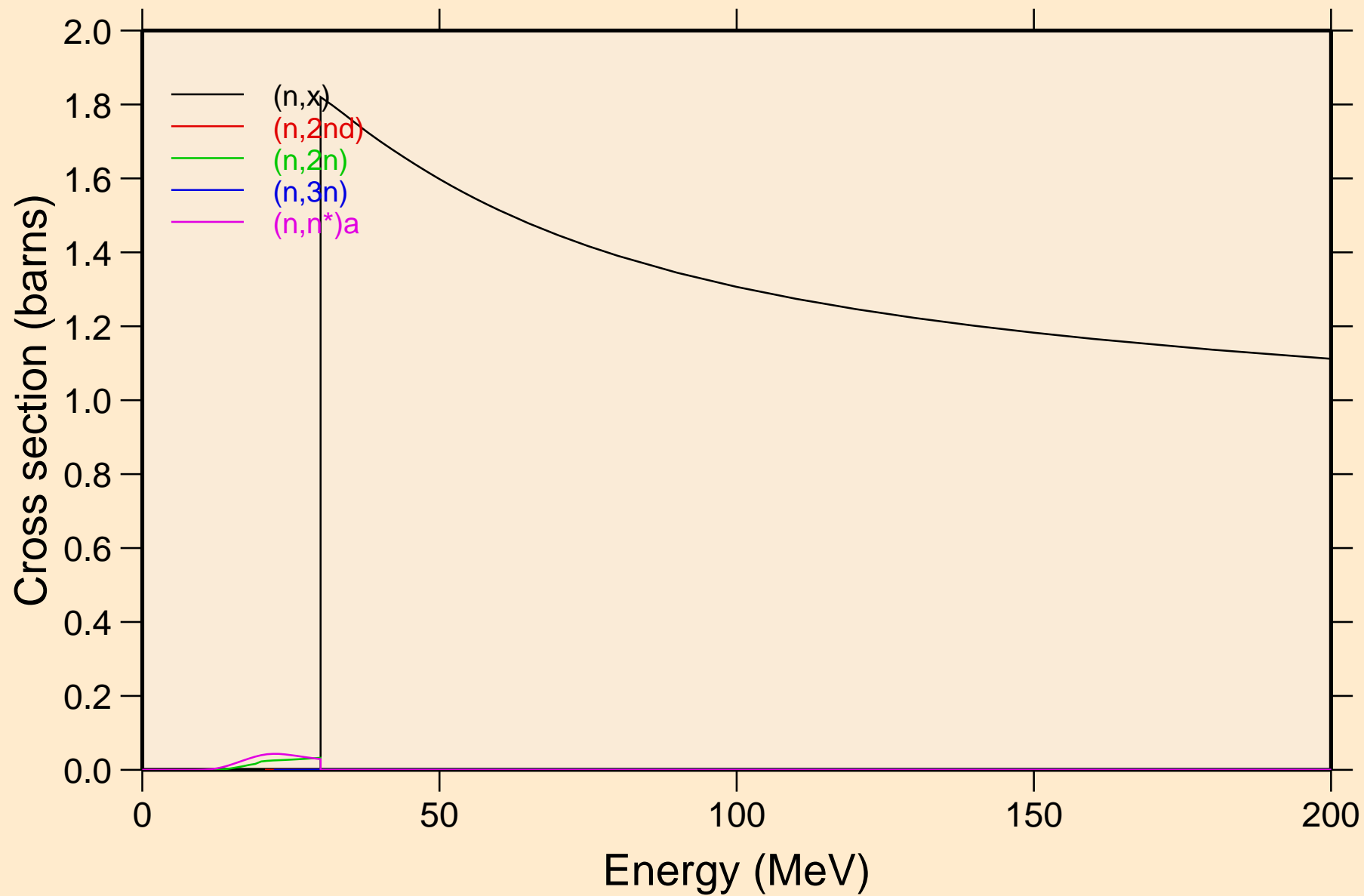


CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels

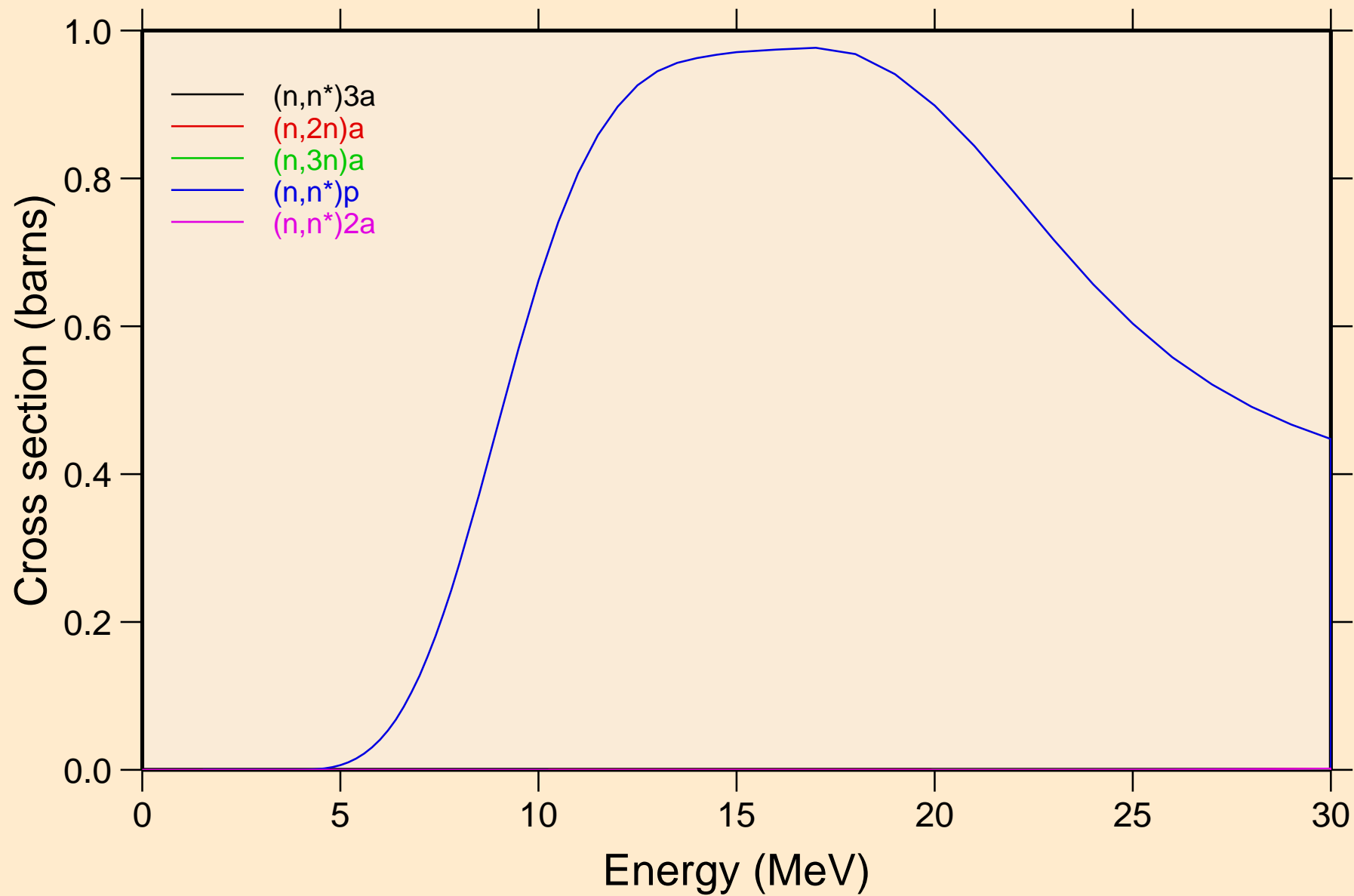


# CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

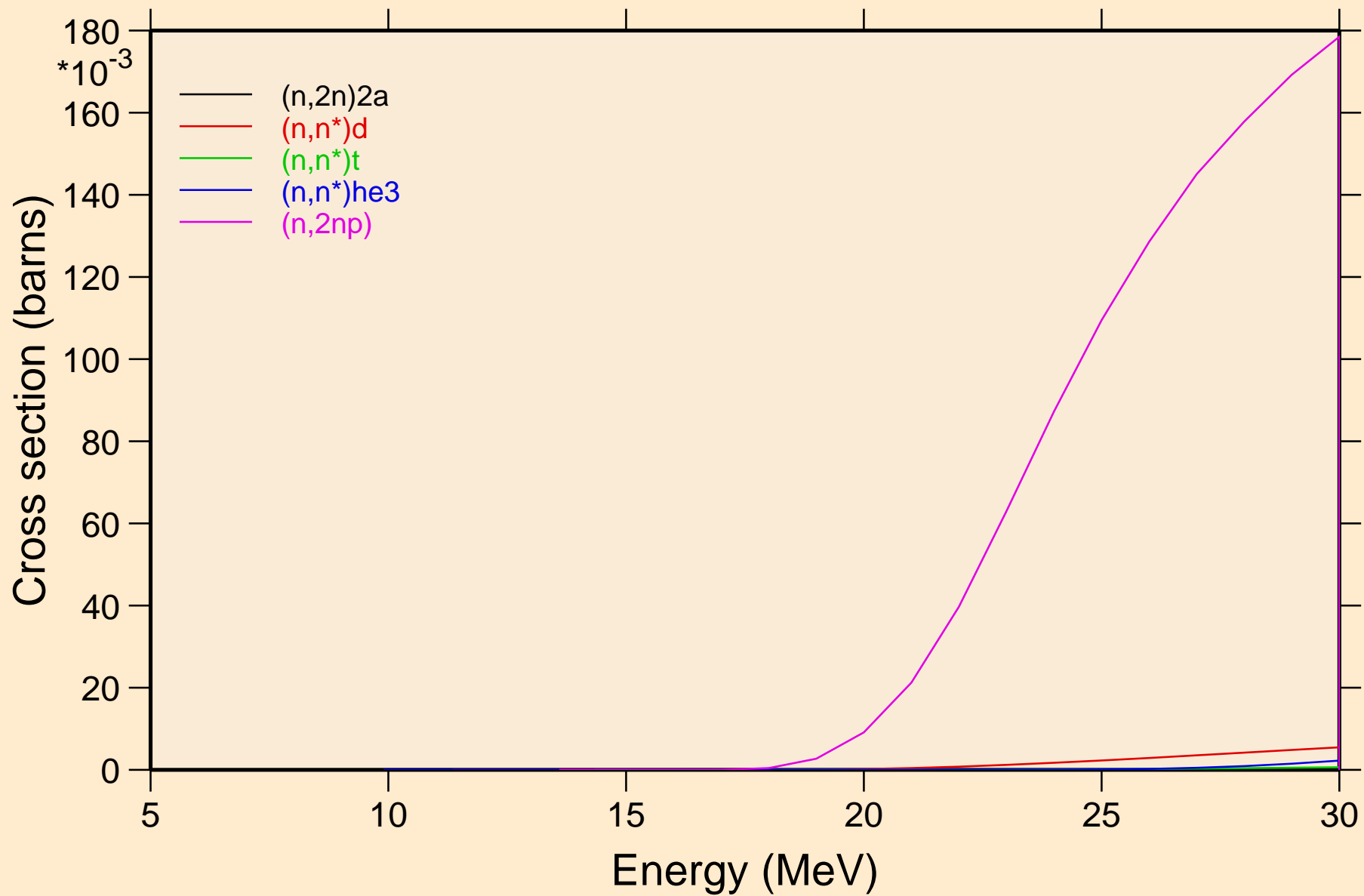
## Threshold reactions



CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions

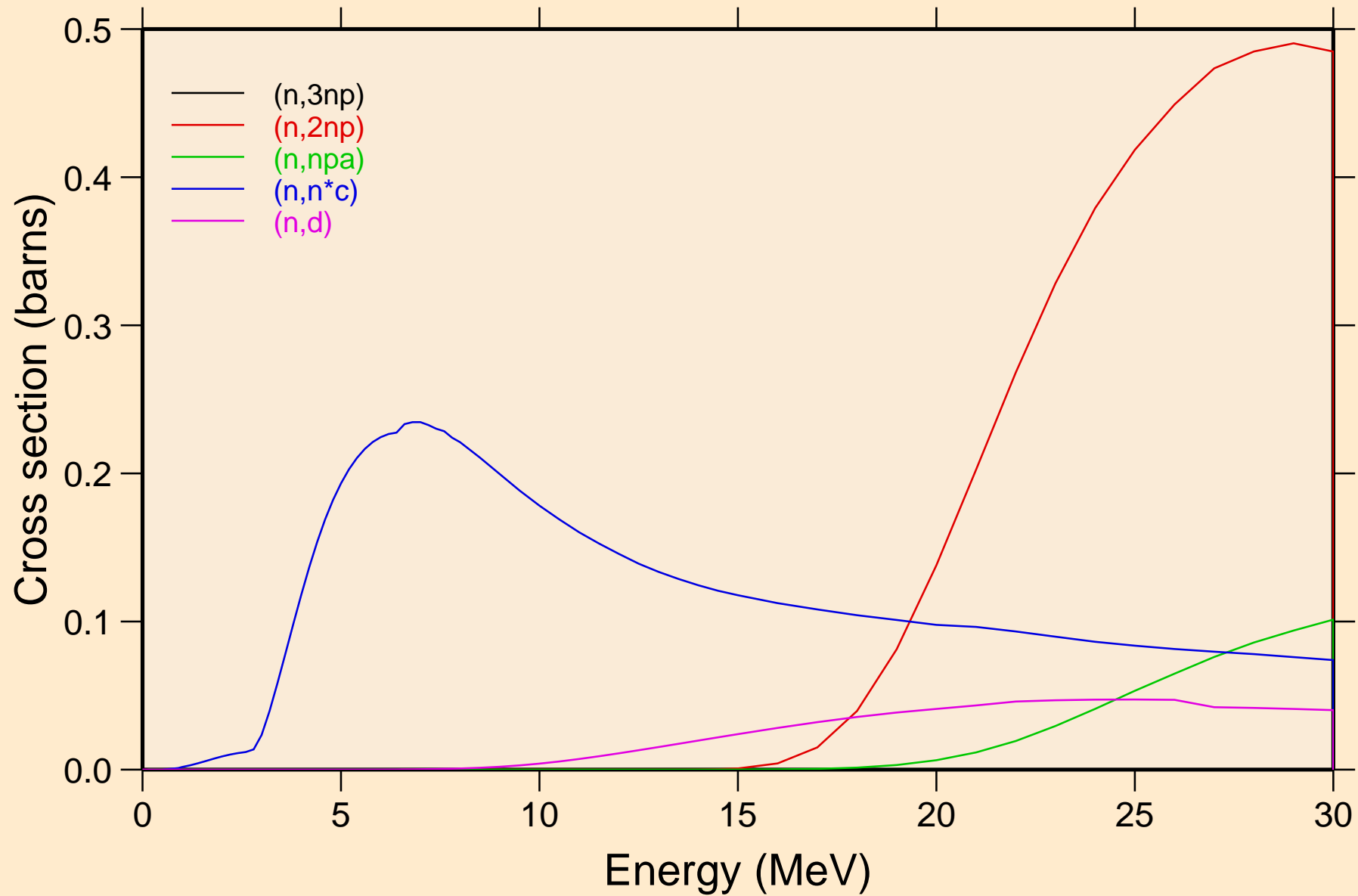


CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



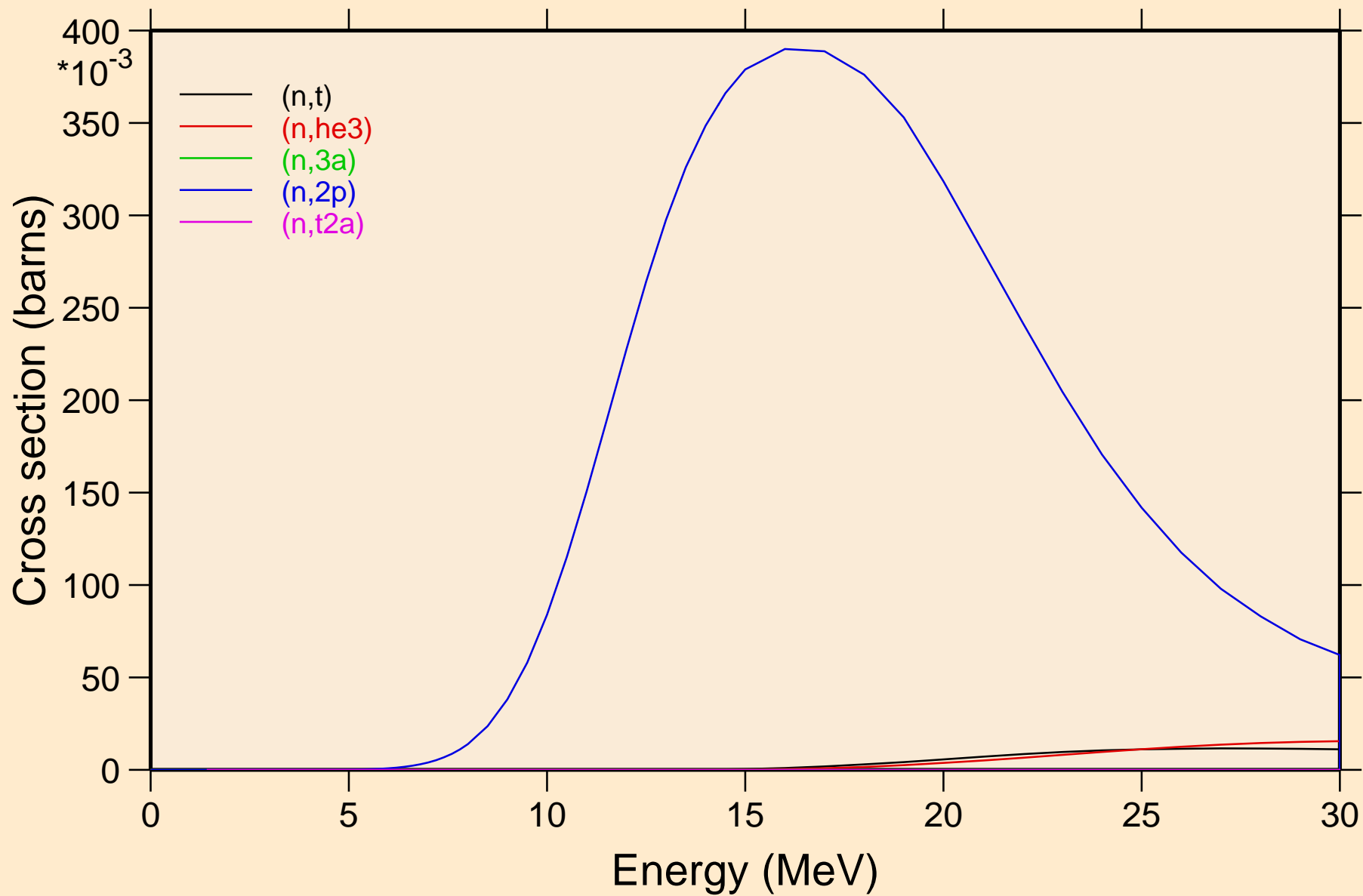
# CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Threshold reactions



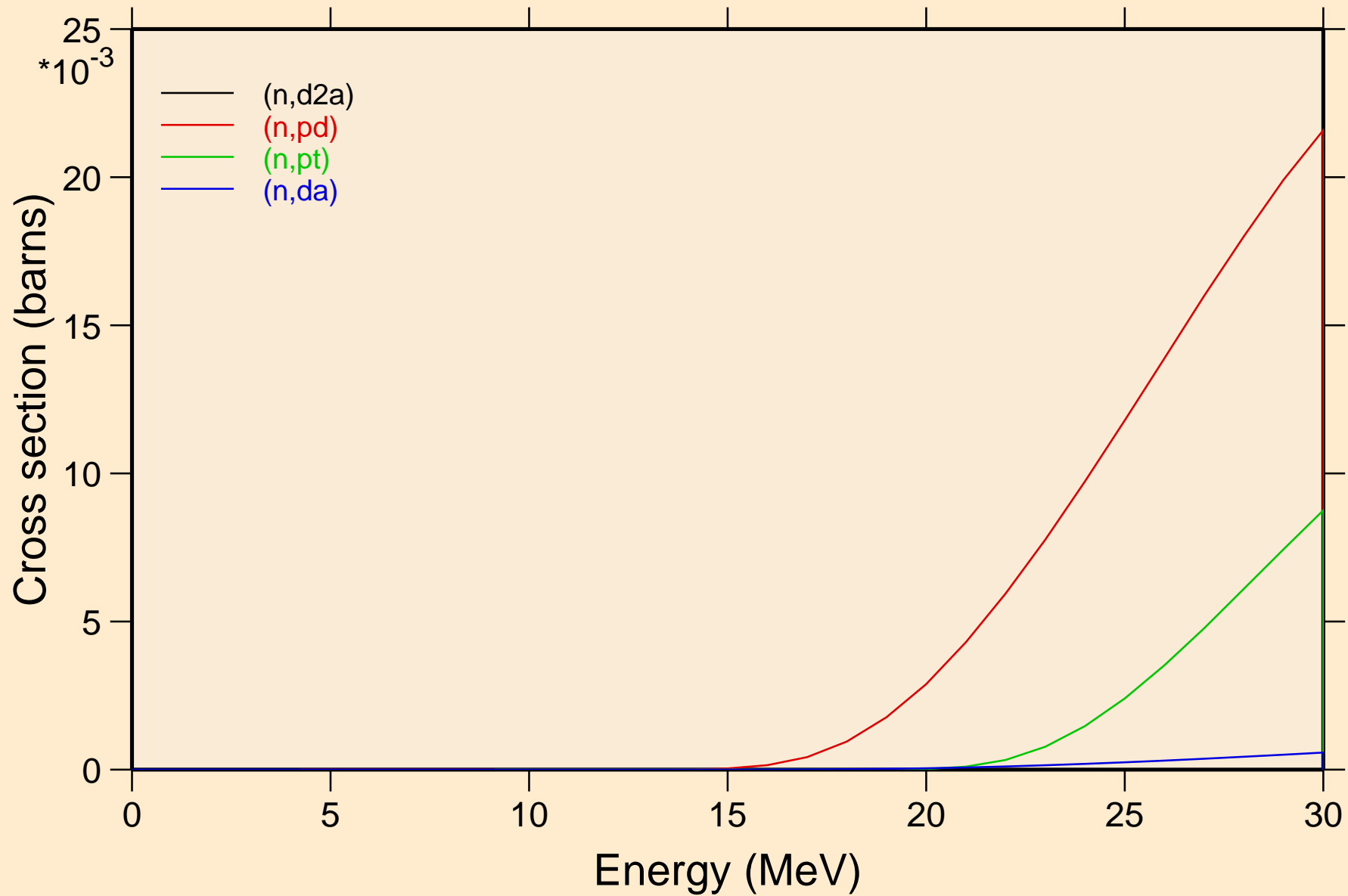
# CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Threshold reactions

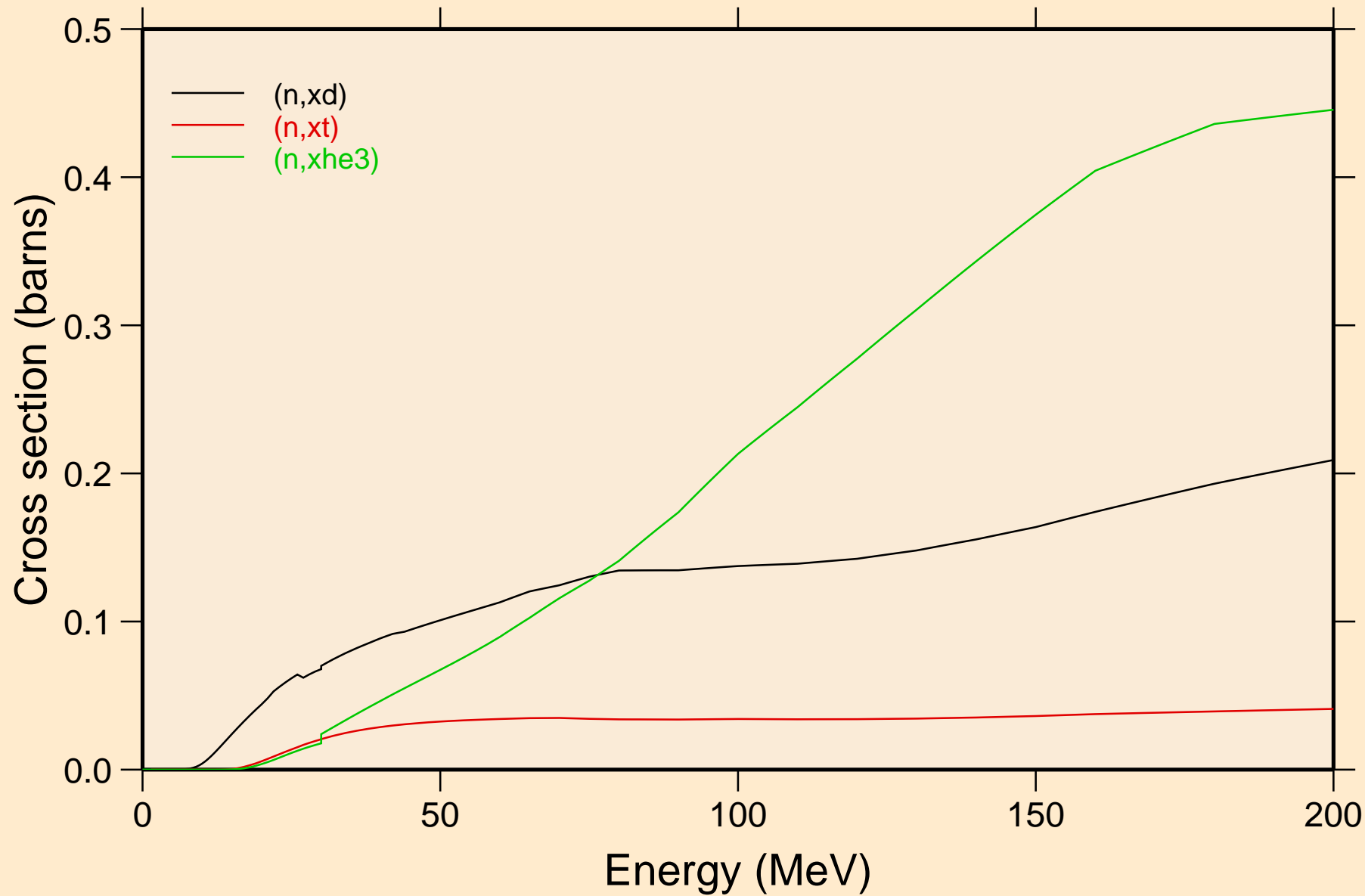




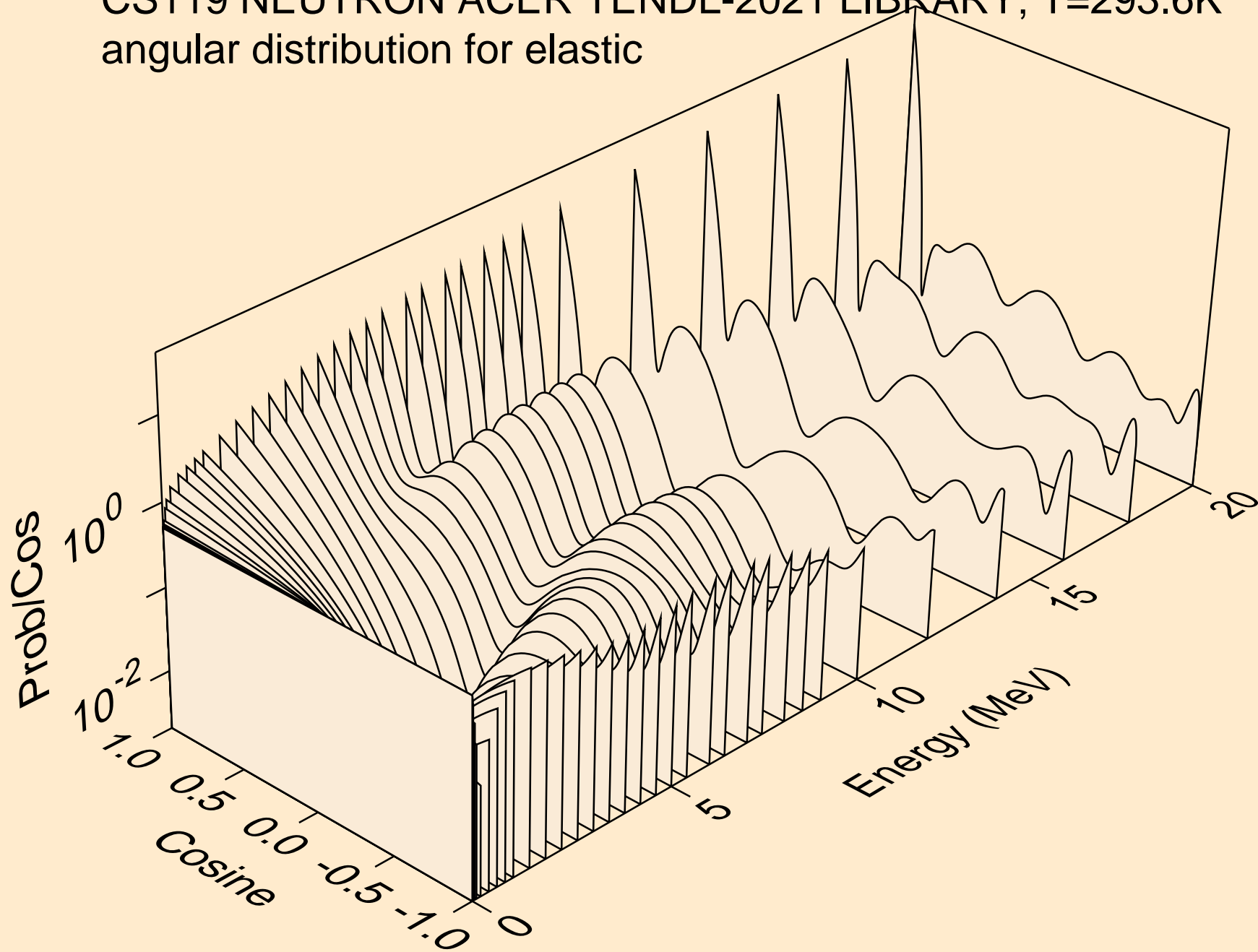
CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



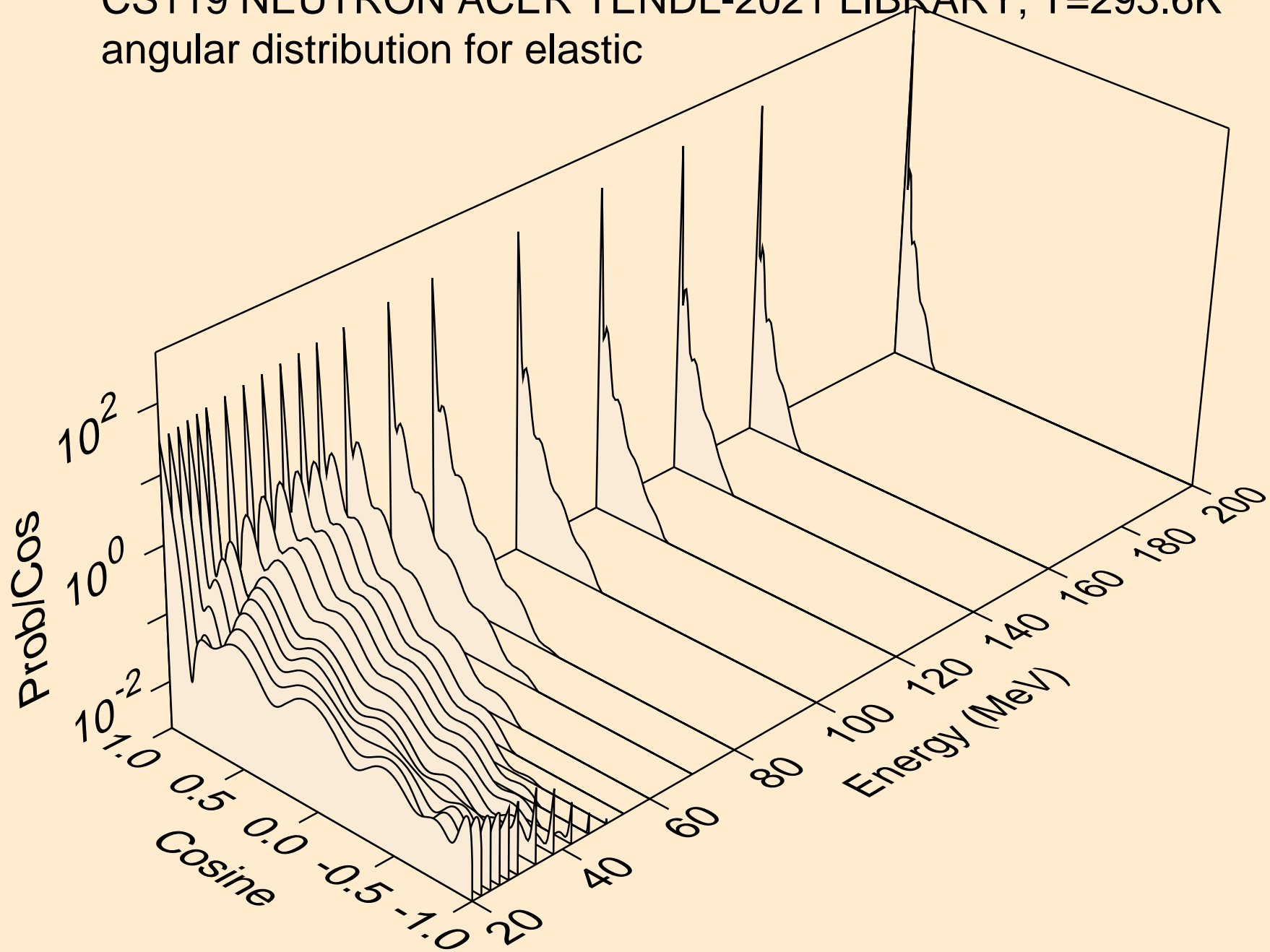
CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



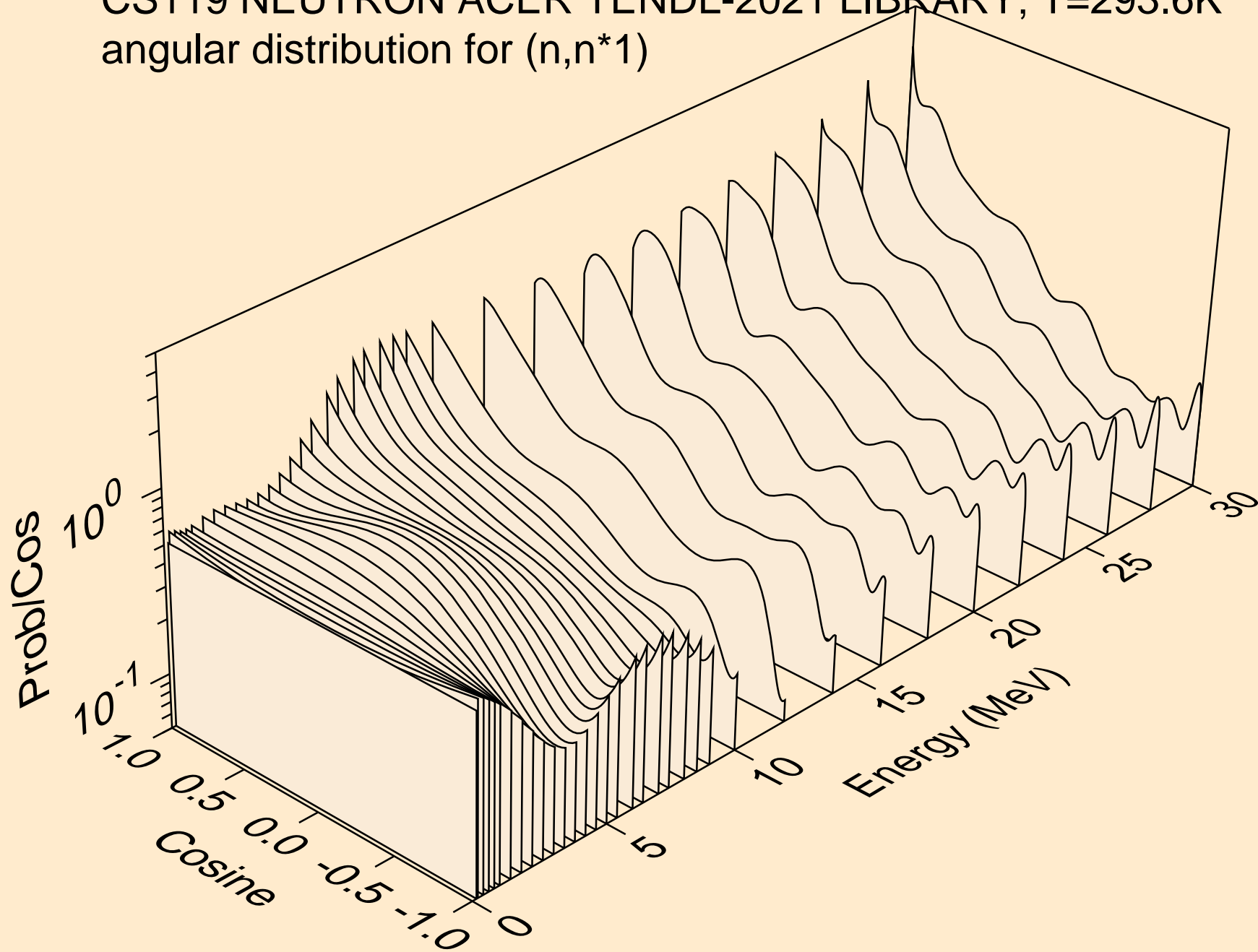
CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for elastic



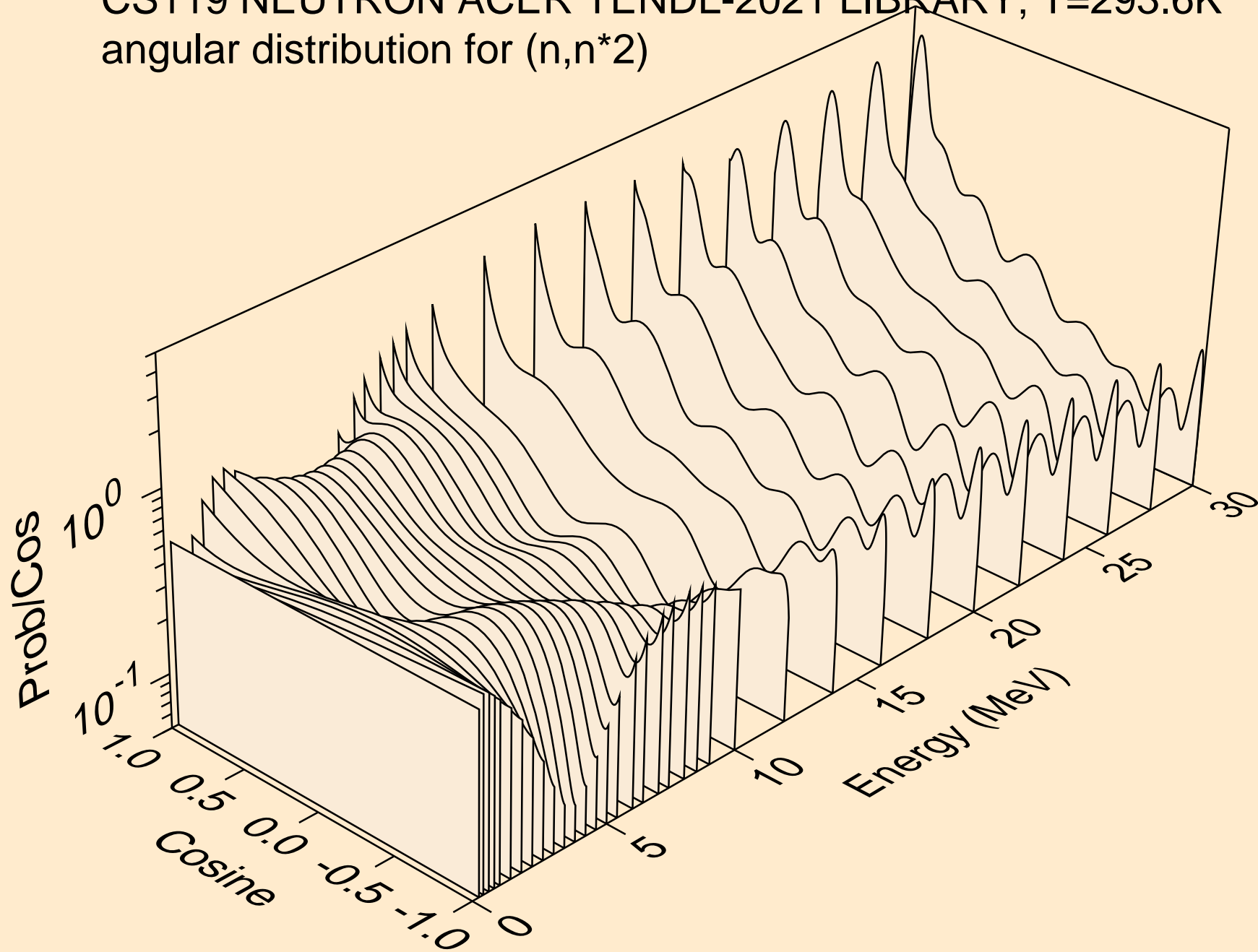
CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for elastic



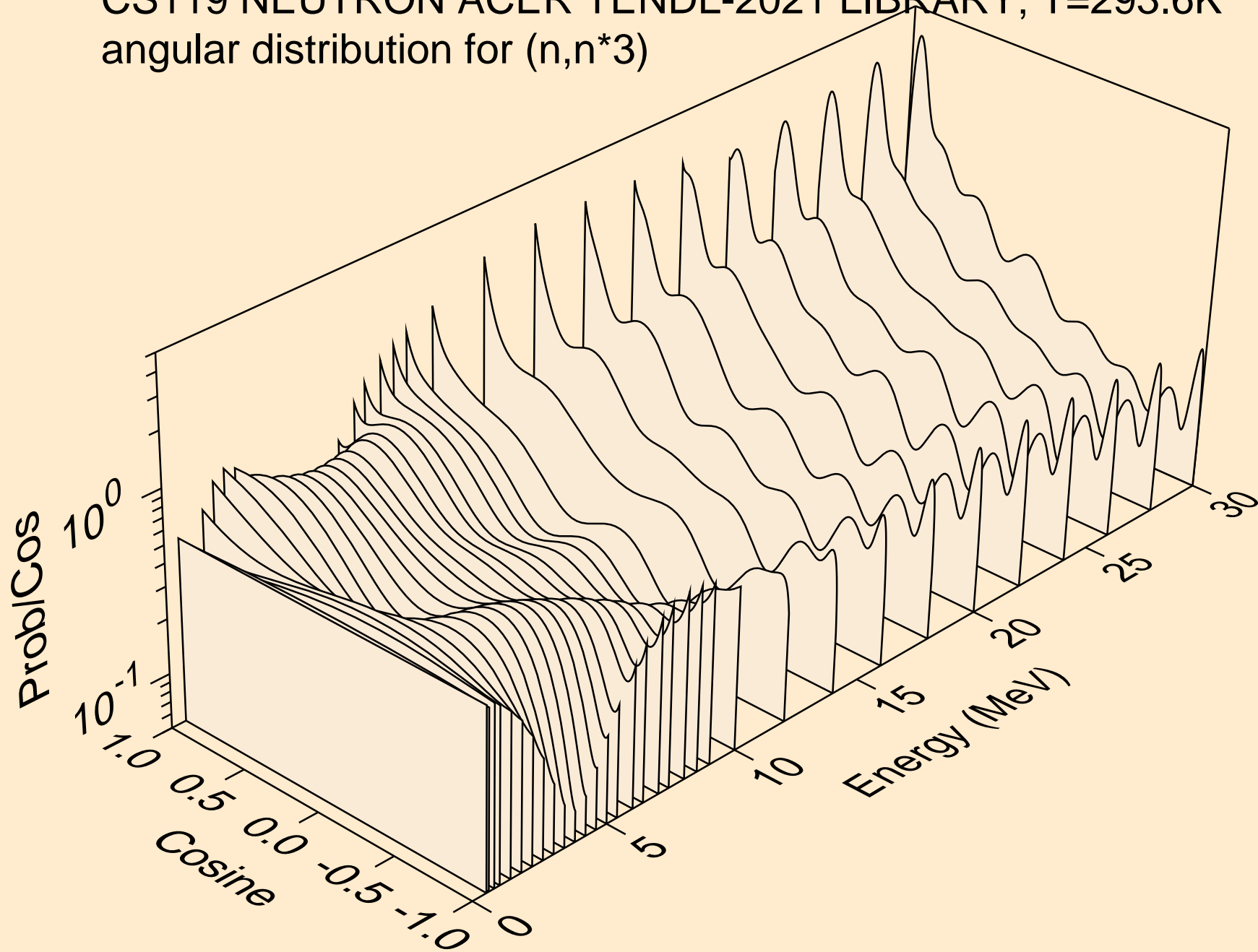
CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*1)



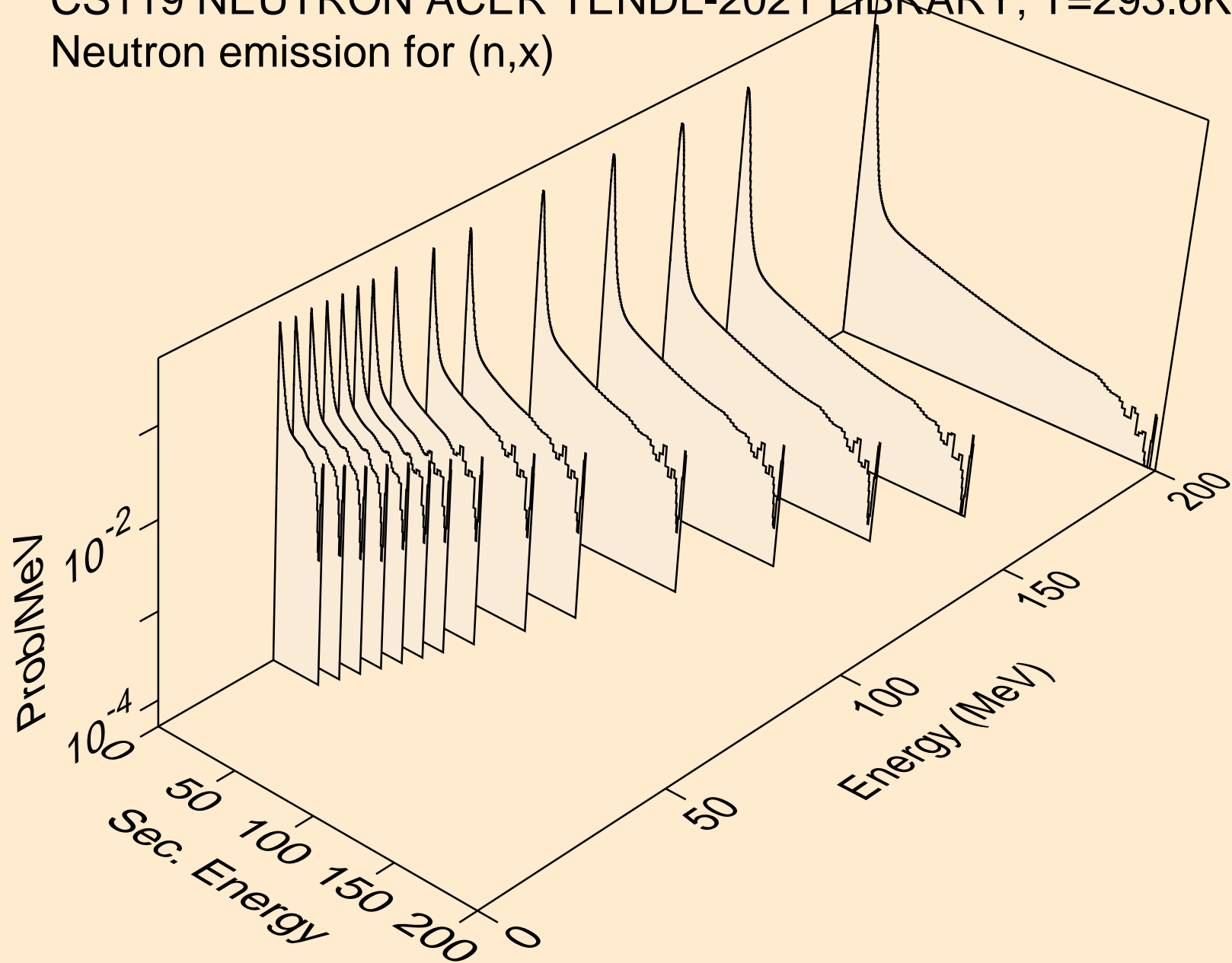
CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*2)



CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*3)

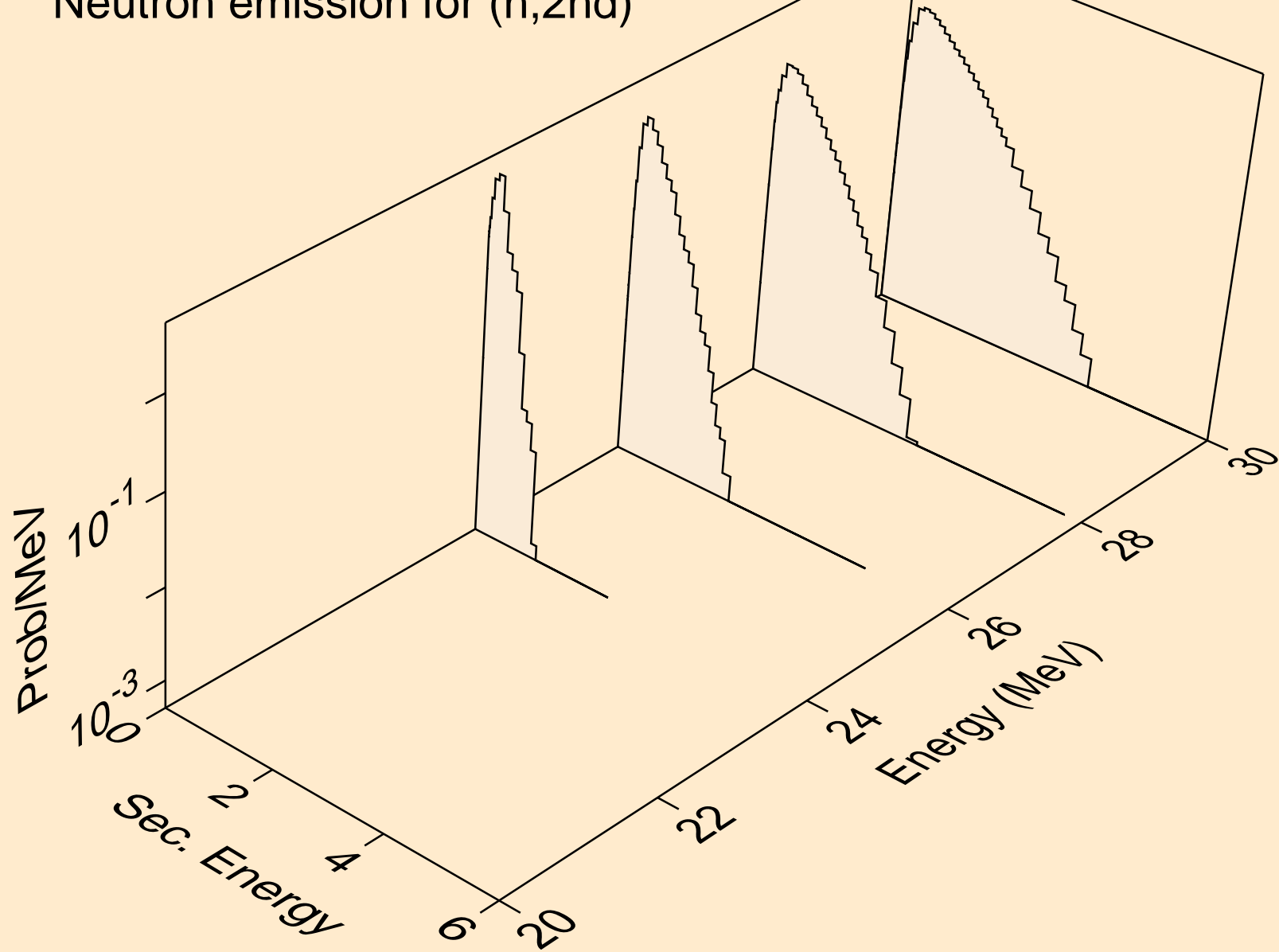


CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,x)

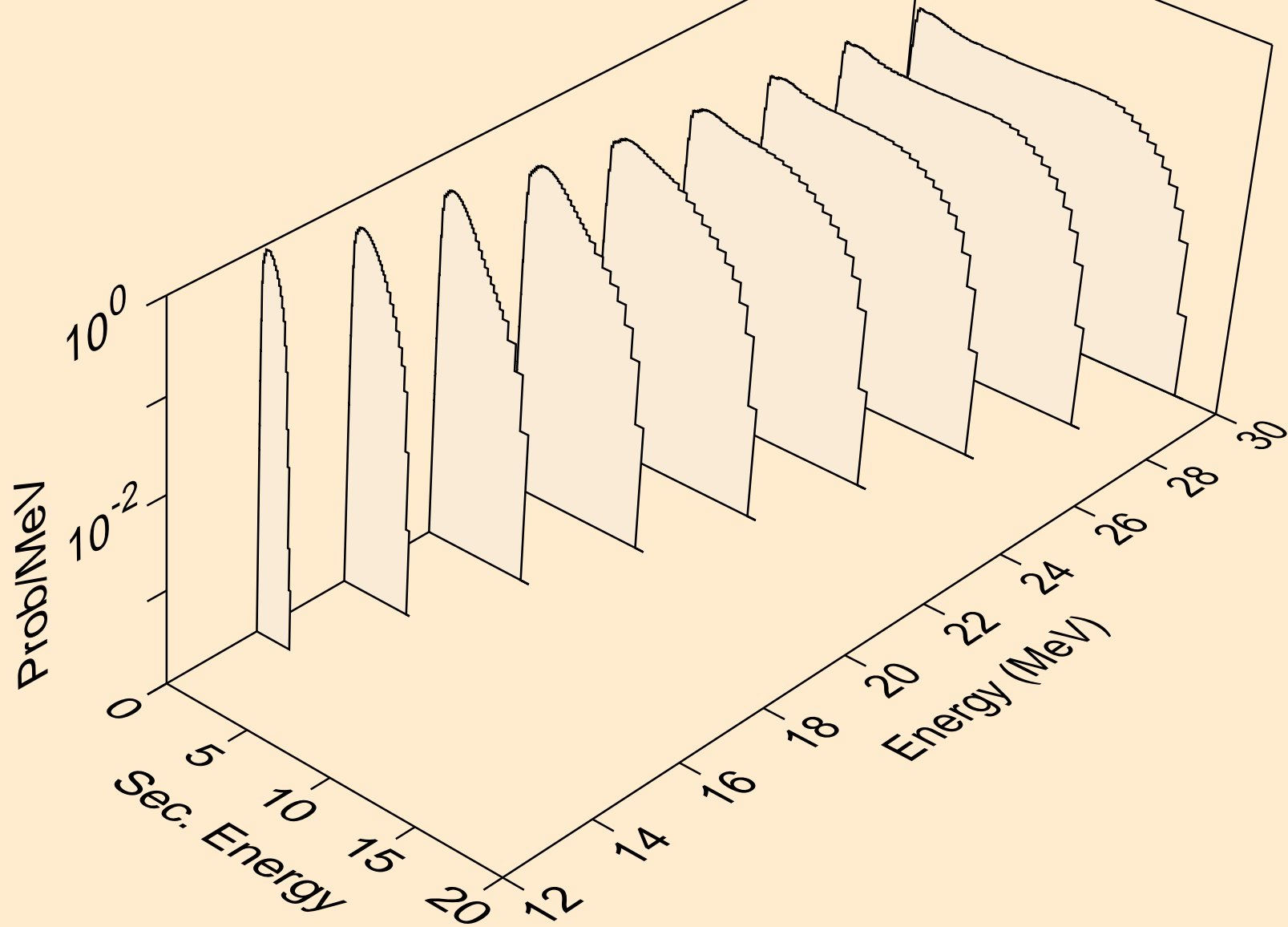




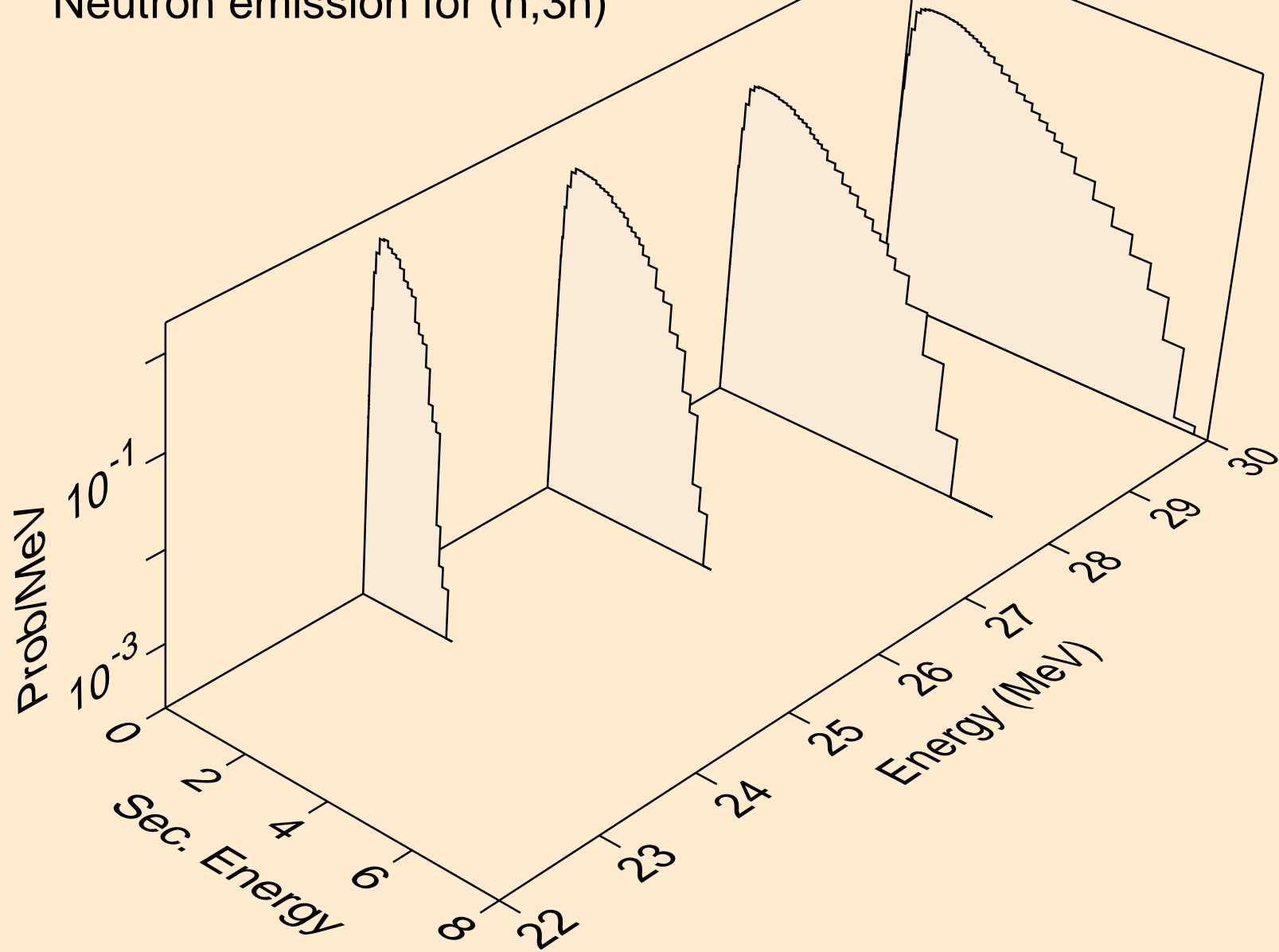
CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2nd)



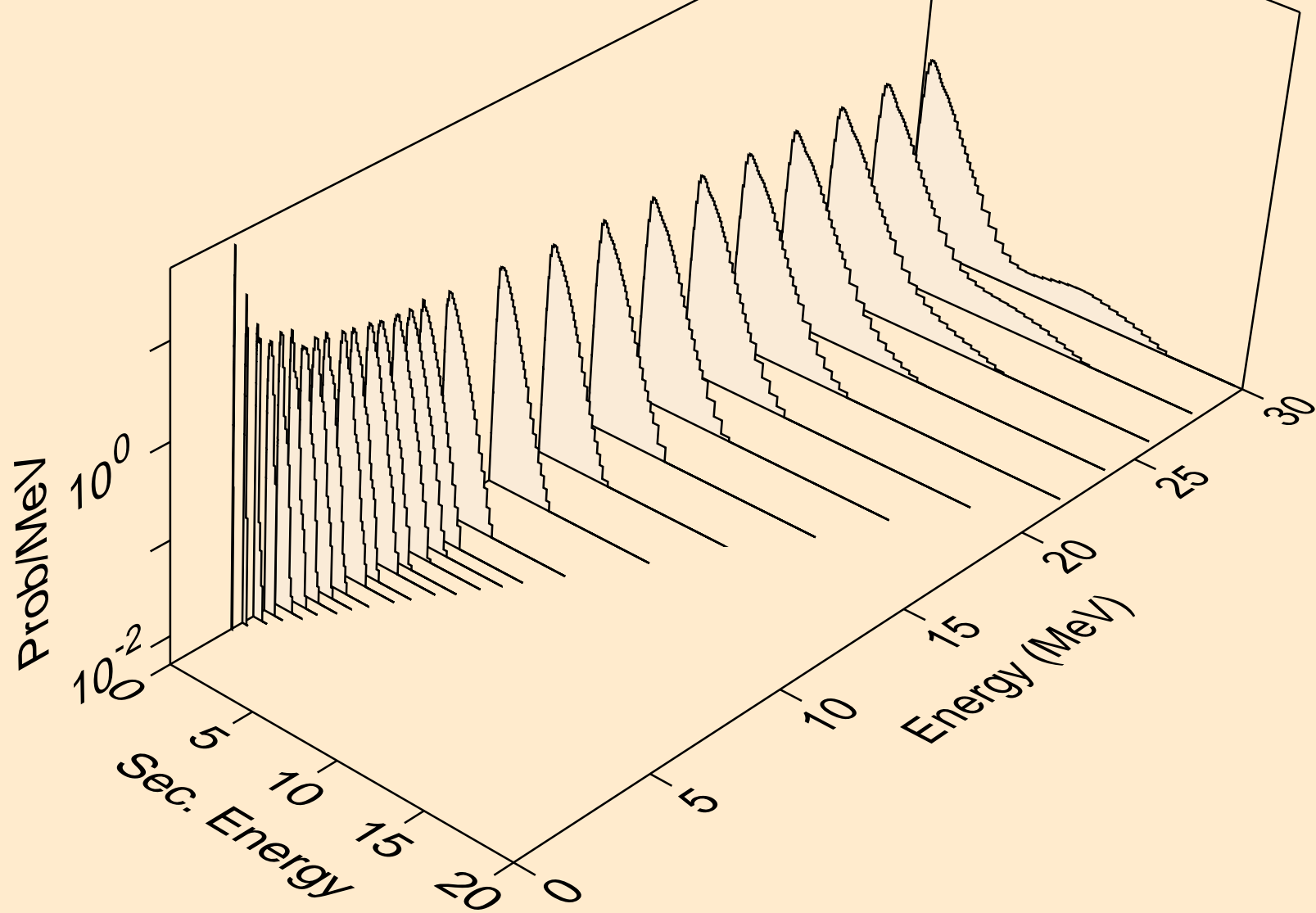
CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)



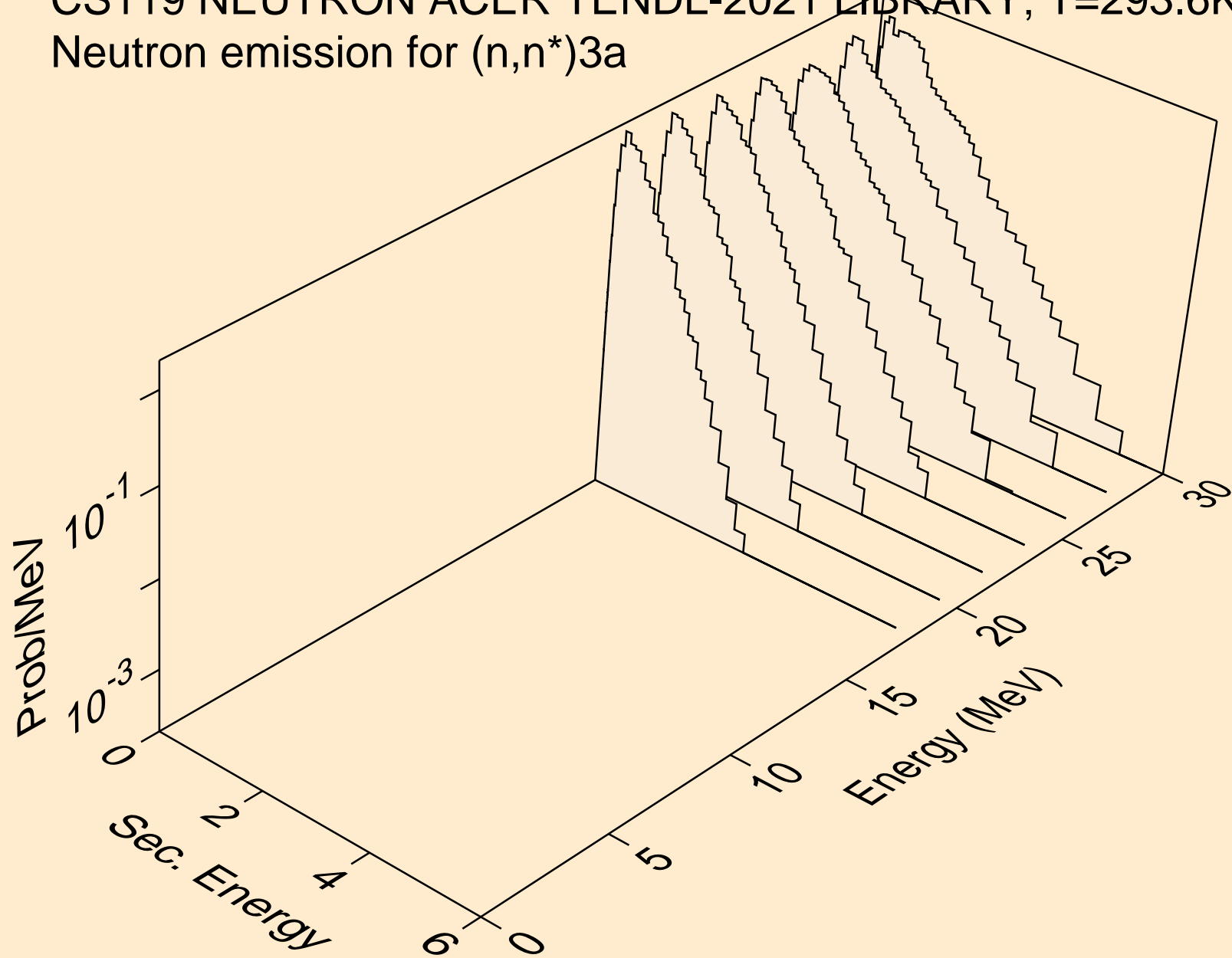
CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3n)



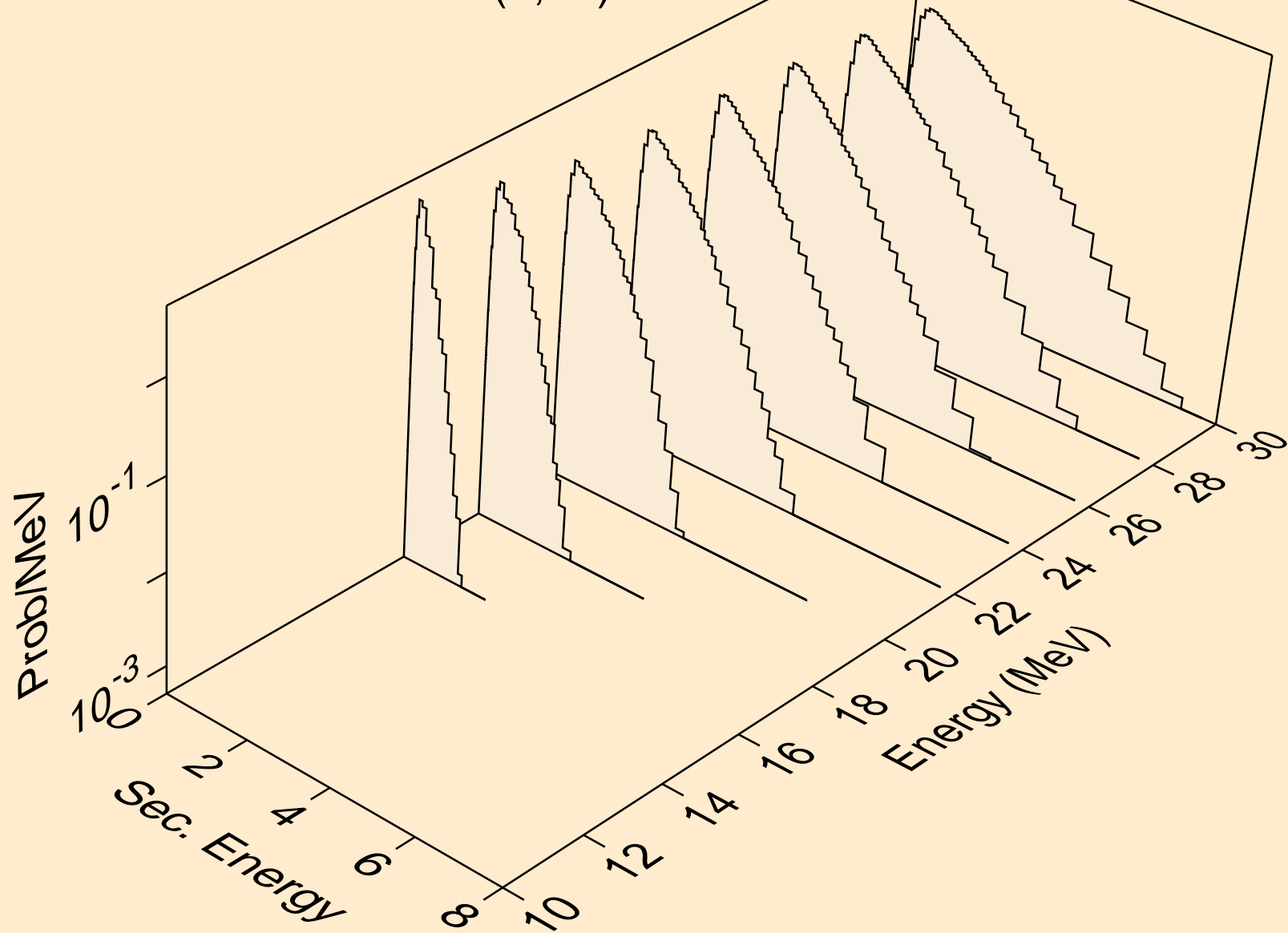
CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)a



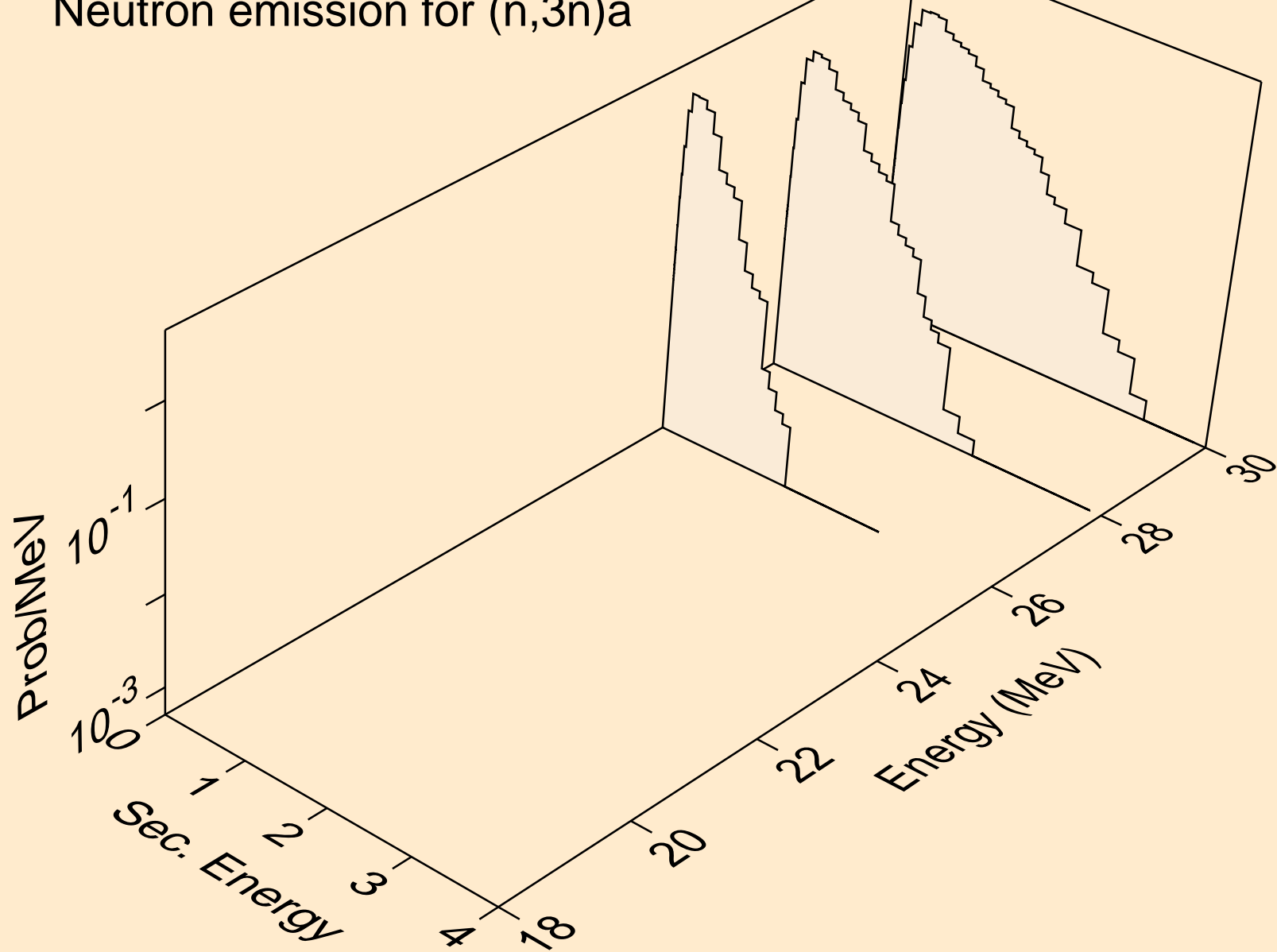
CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)3a



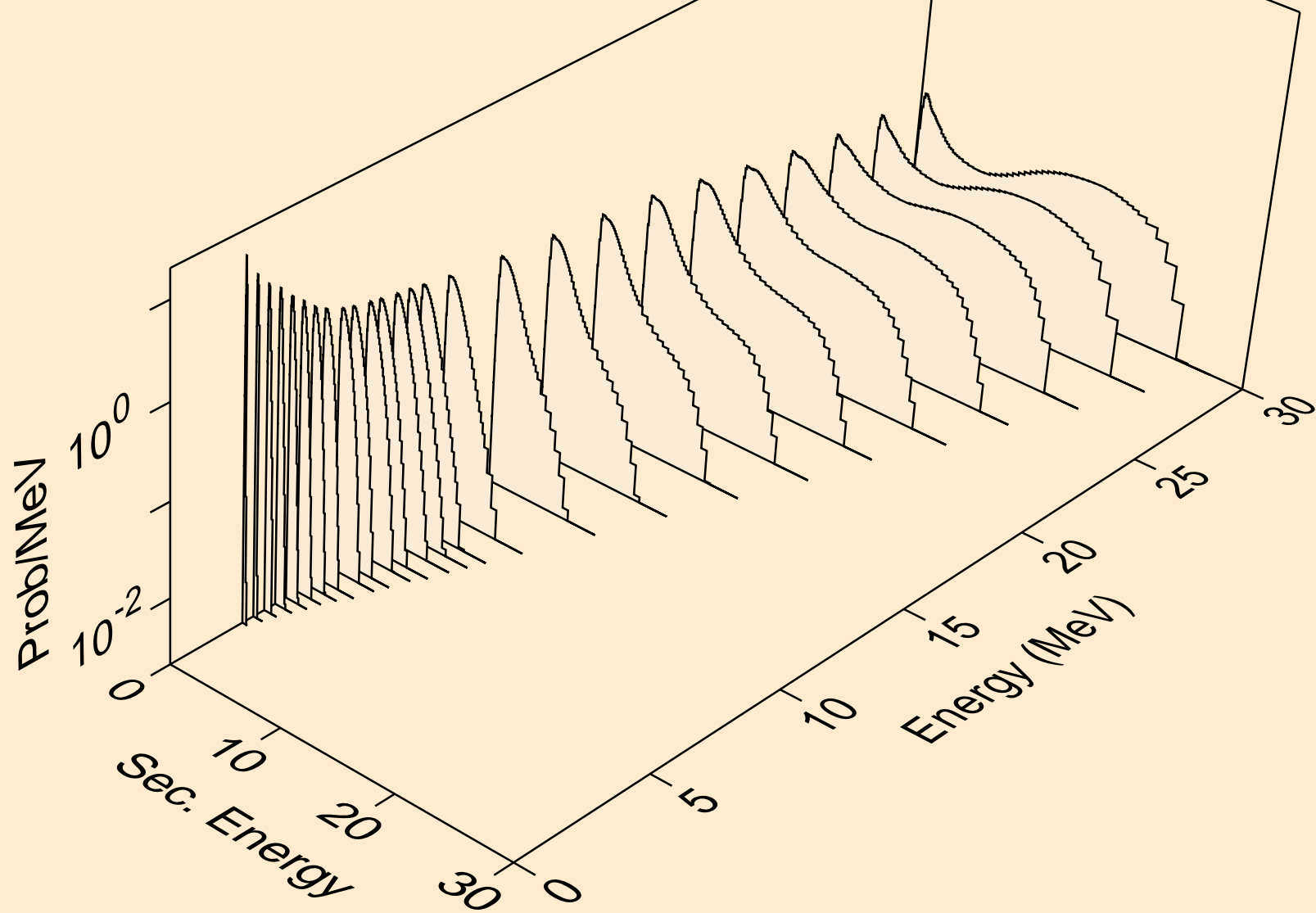
CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)<sub>a</sub>



CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3n)a

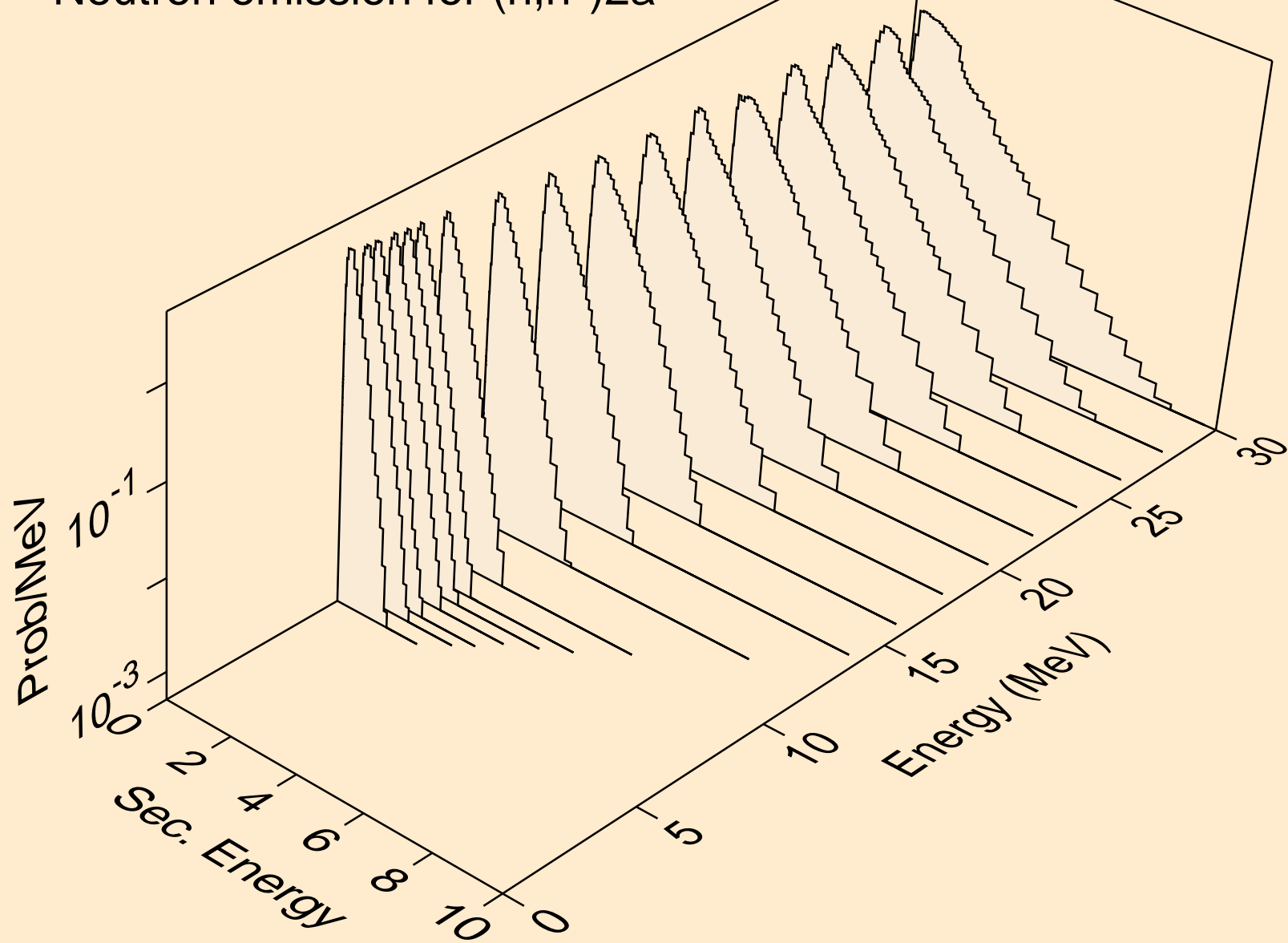


CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)p

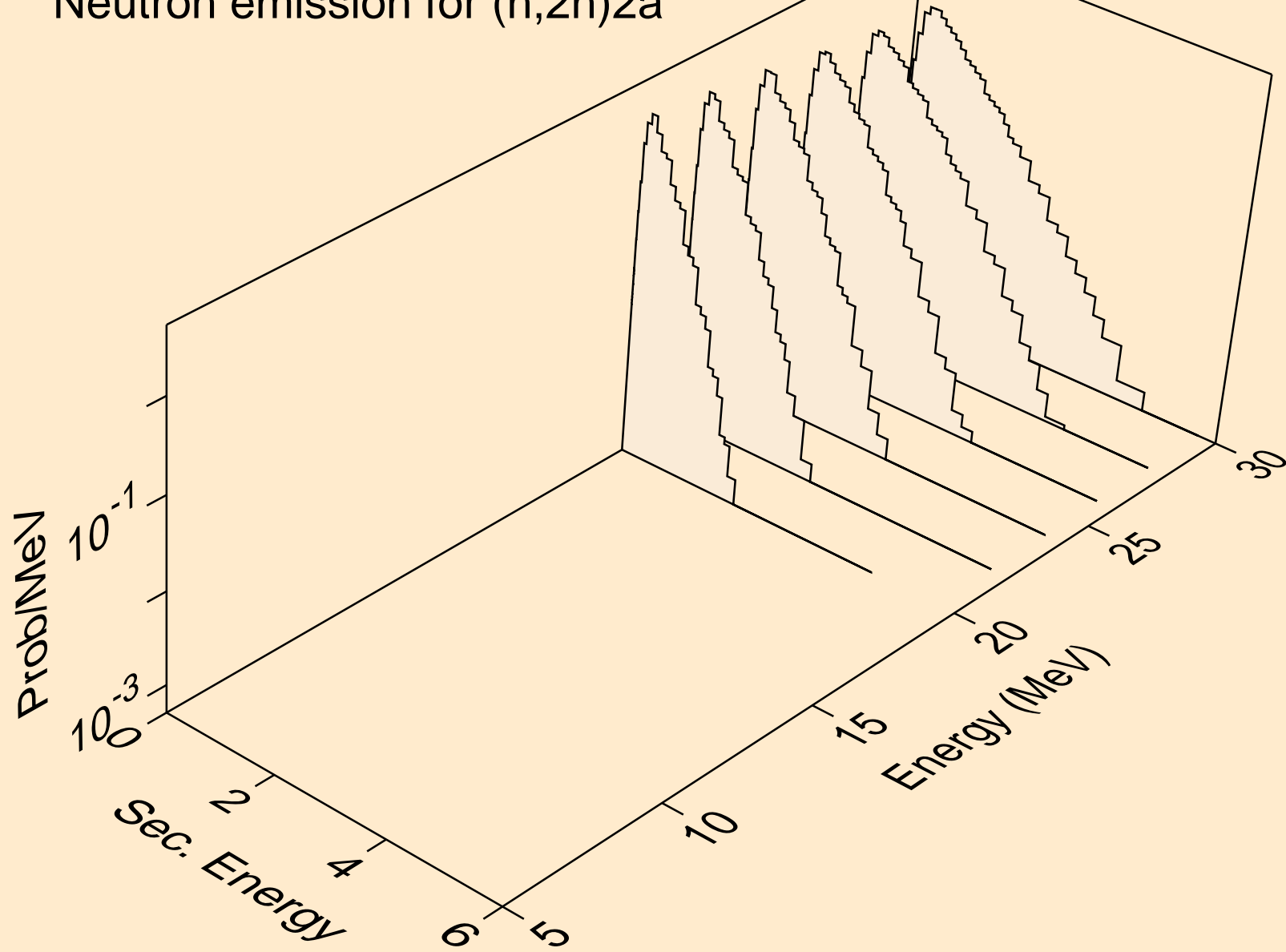




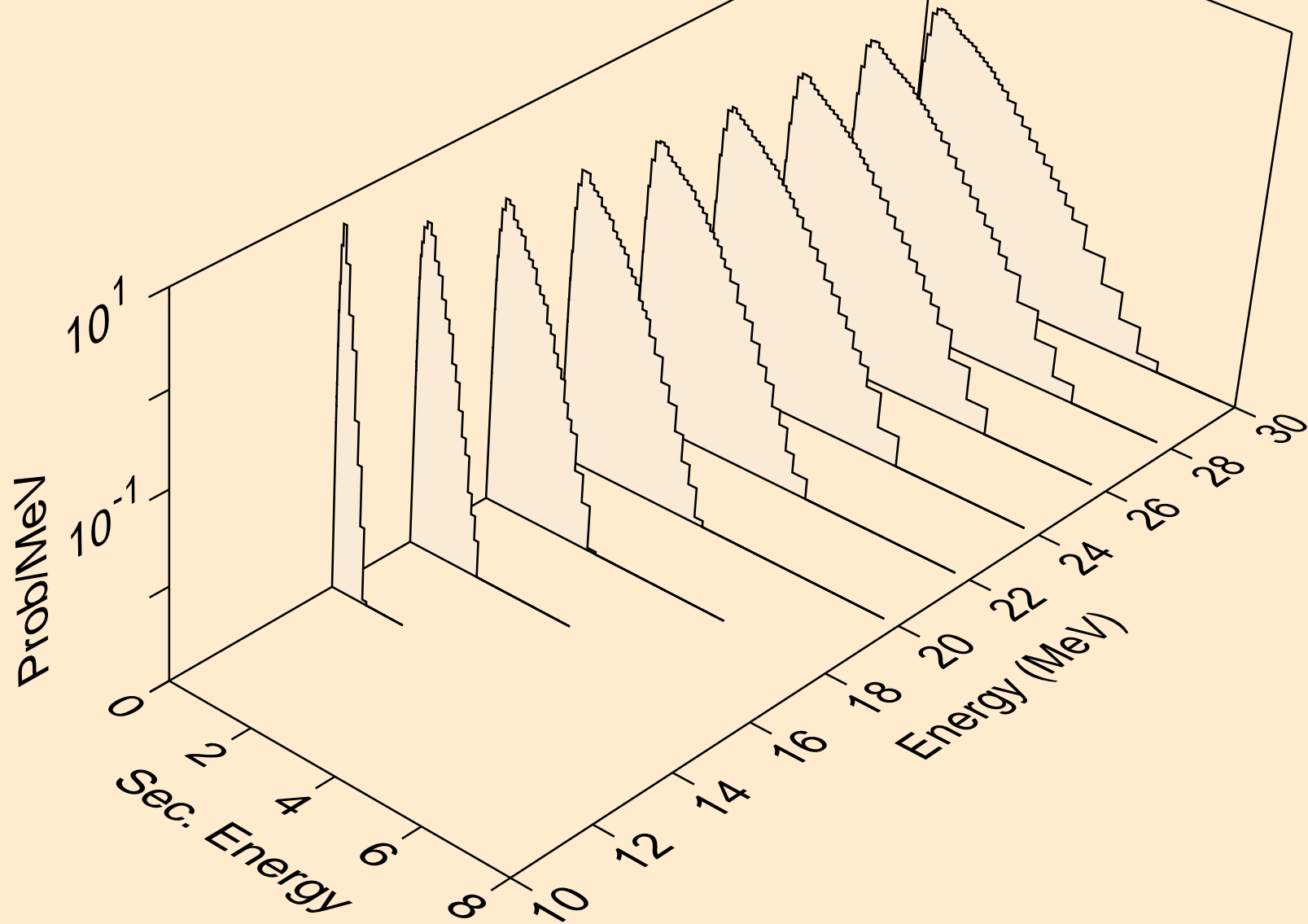
CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)2a



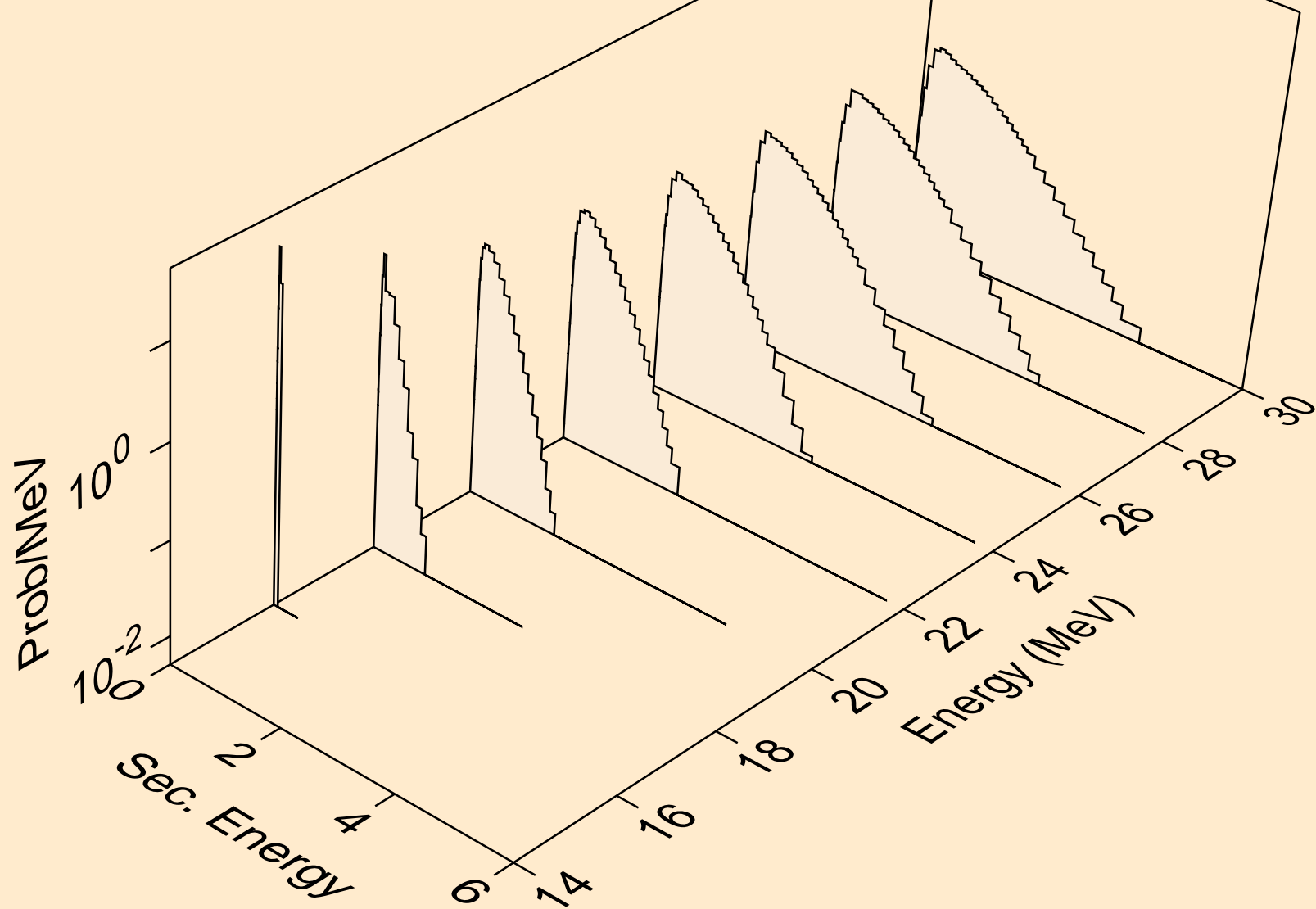
CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)2a



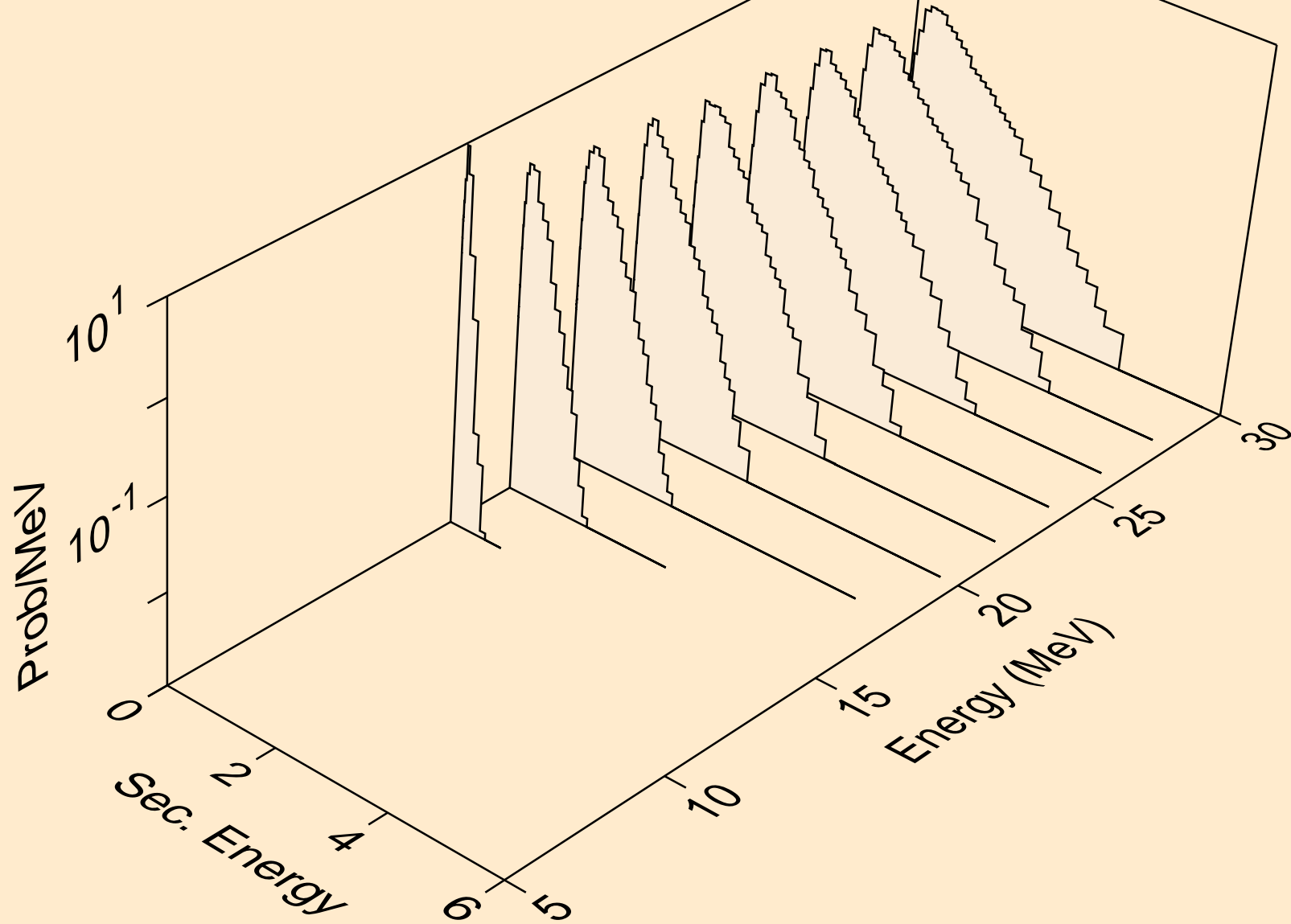
CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)d



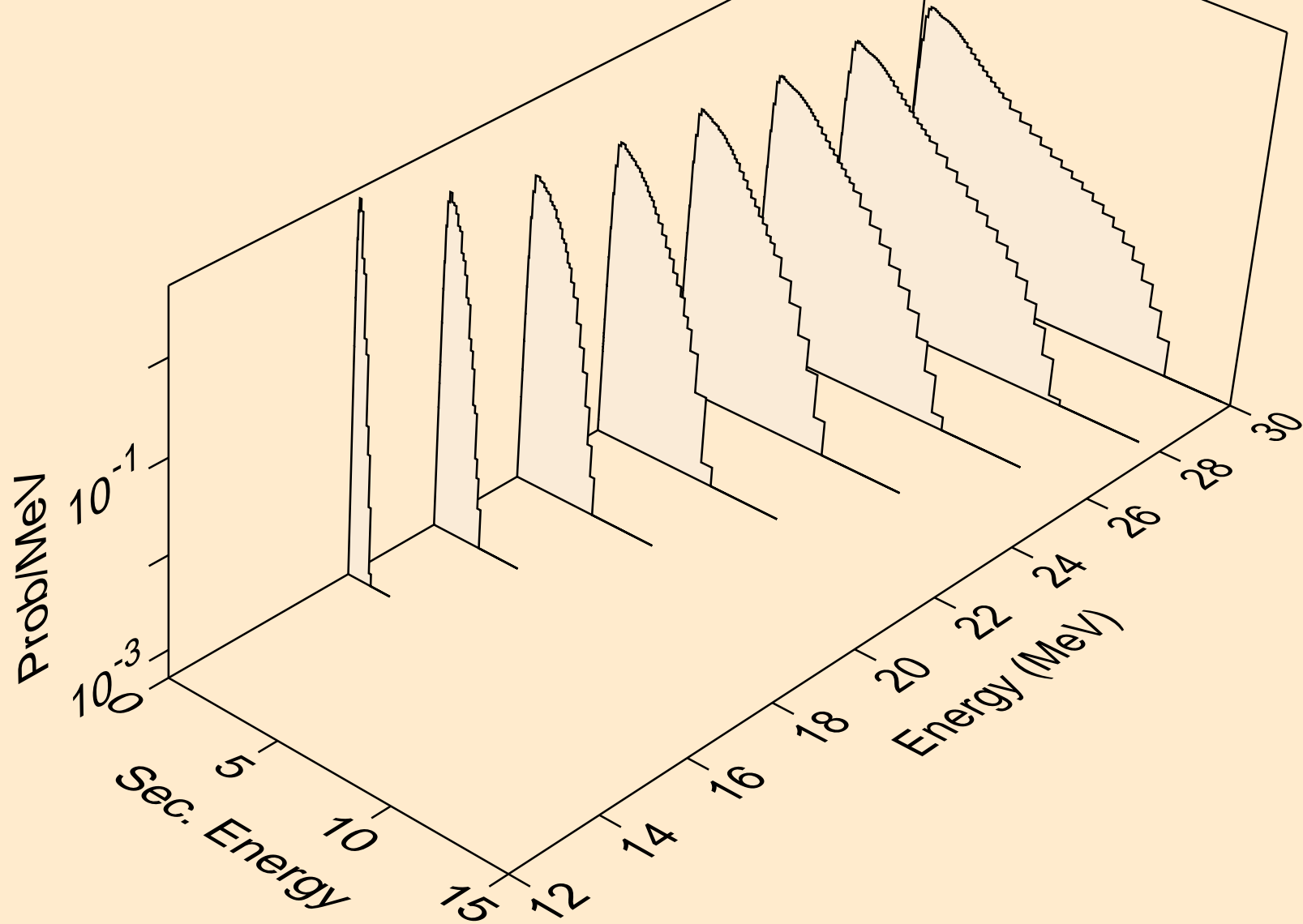
CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)t



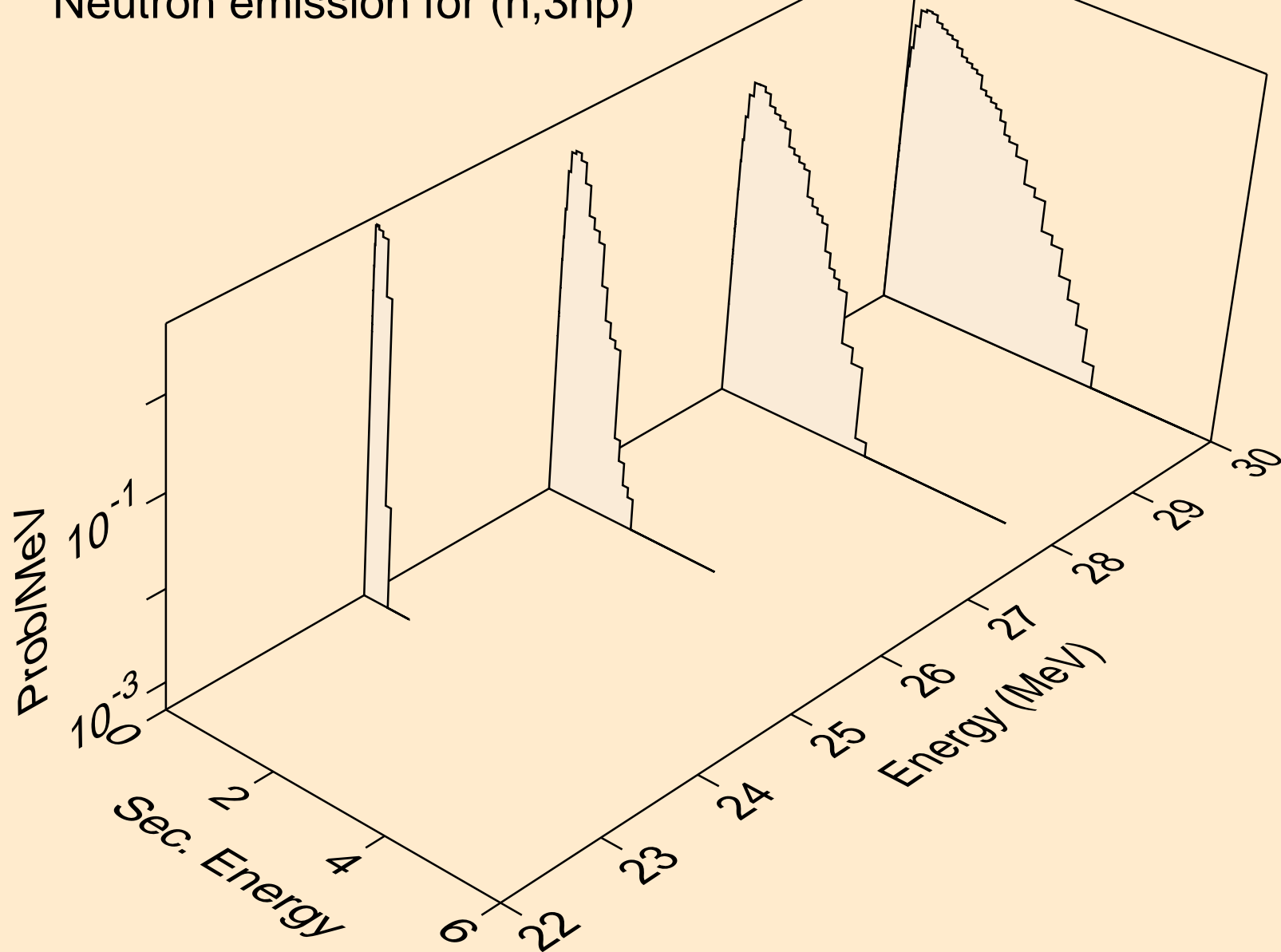
CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)he3



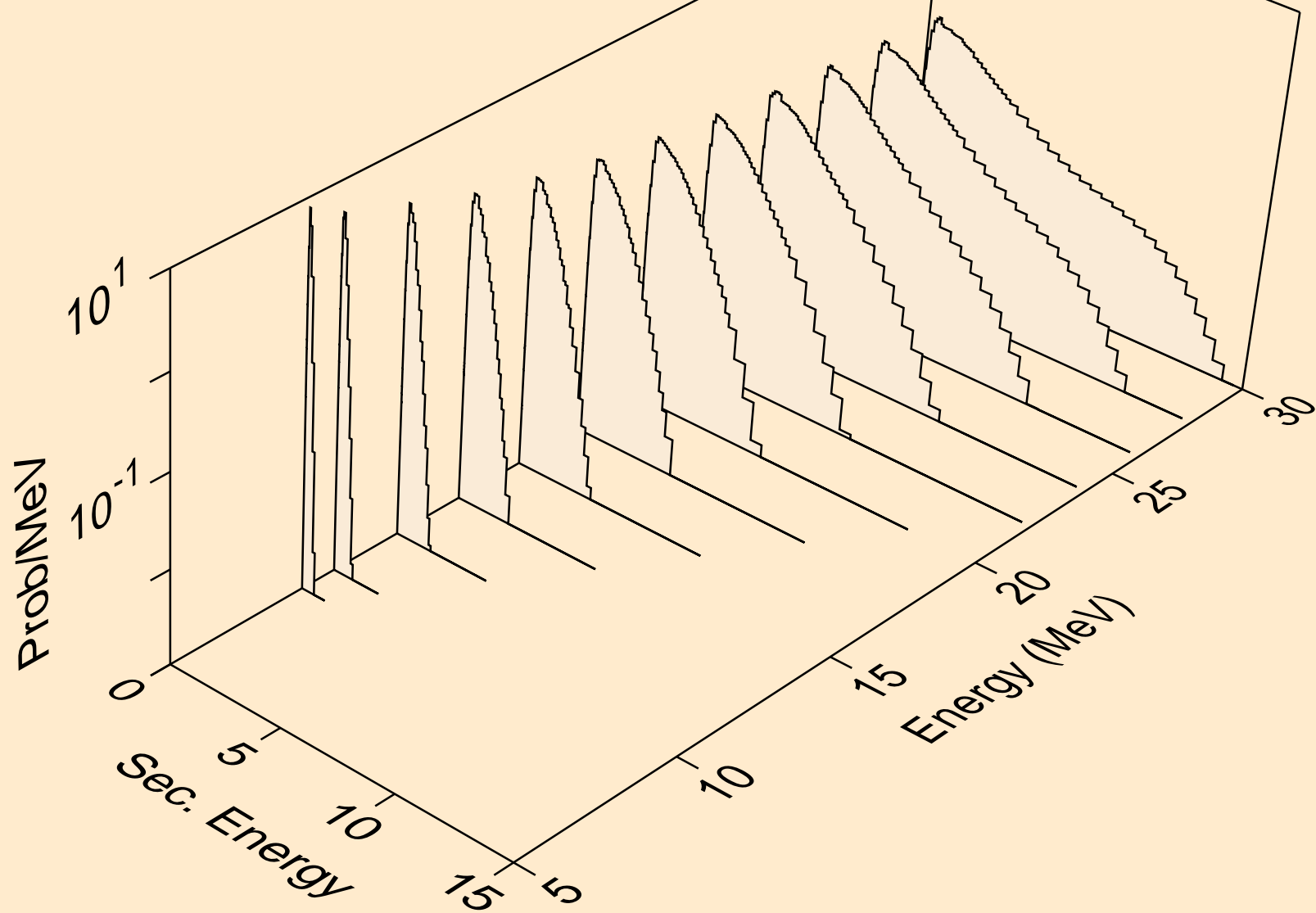
CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2np)



CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3np)

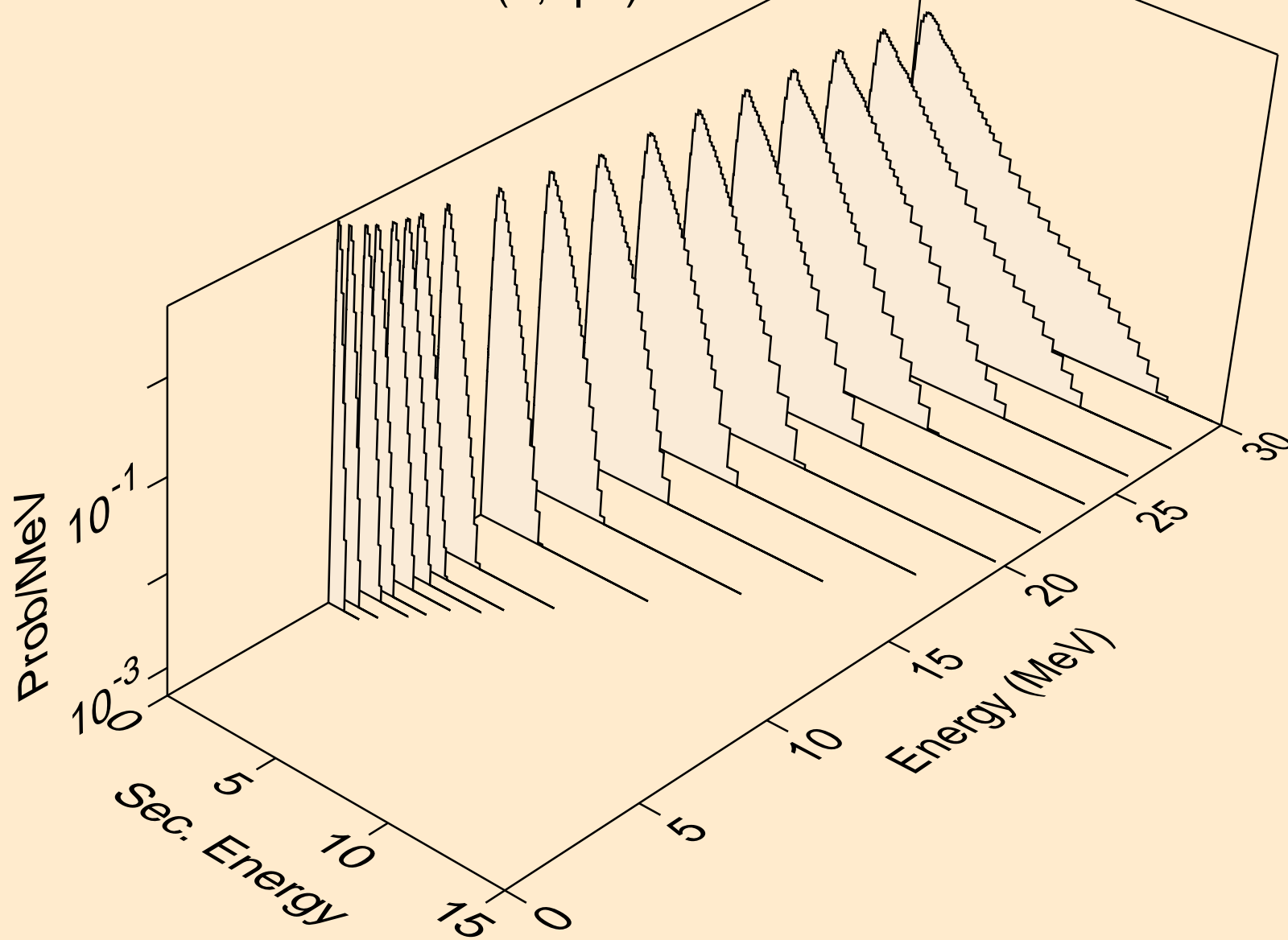


CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2np)

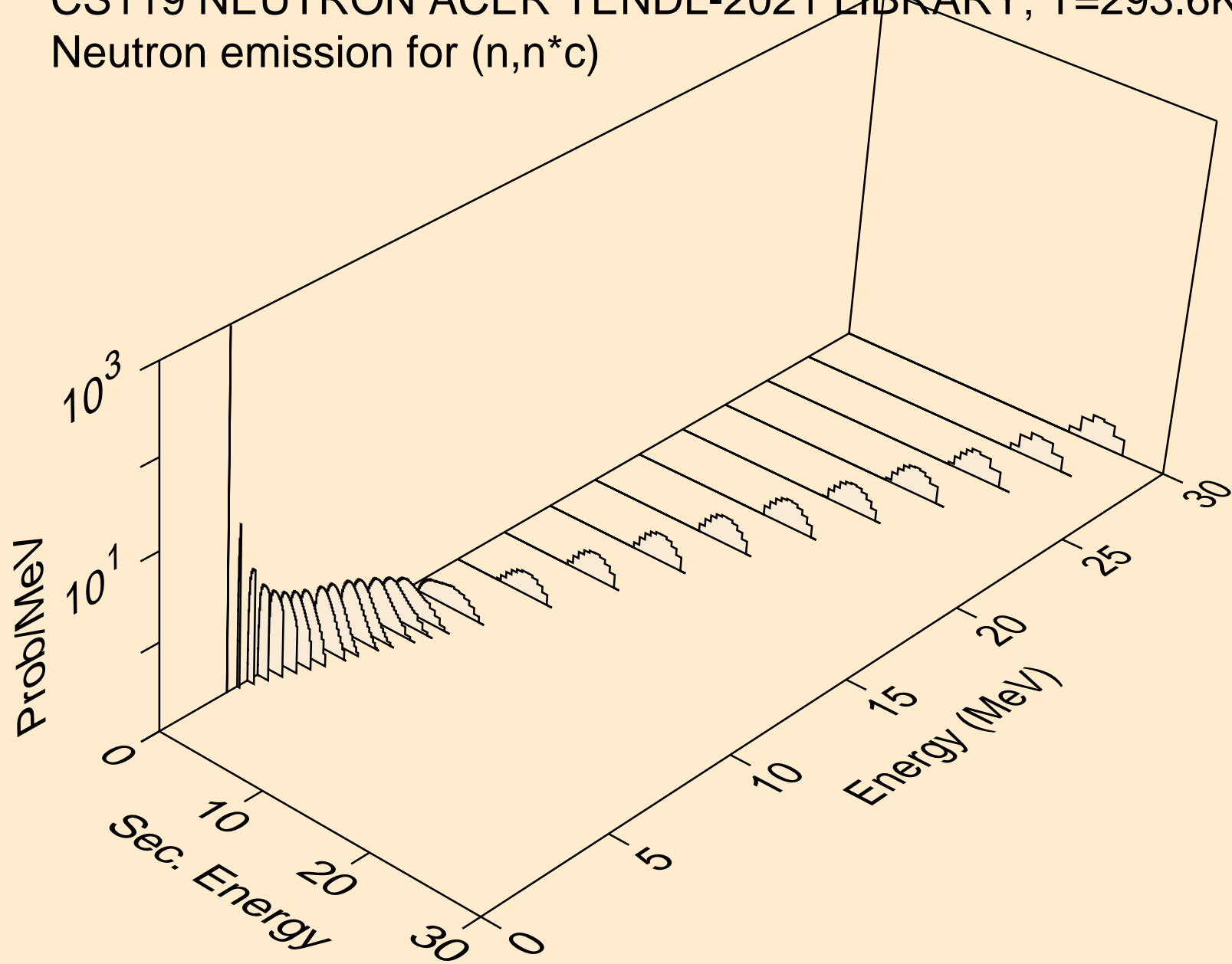




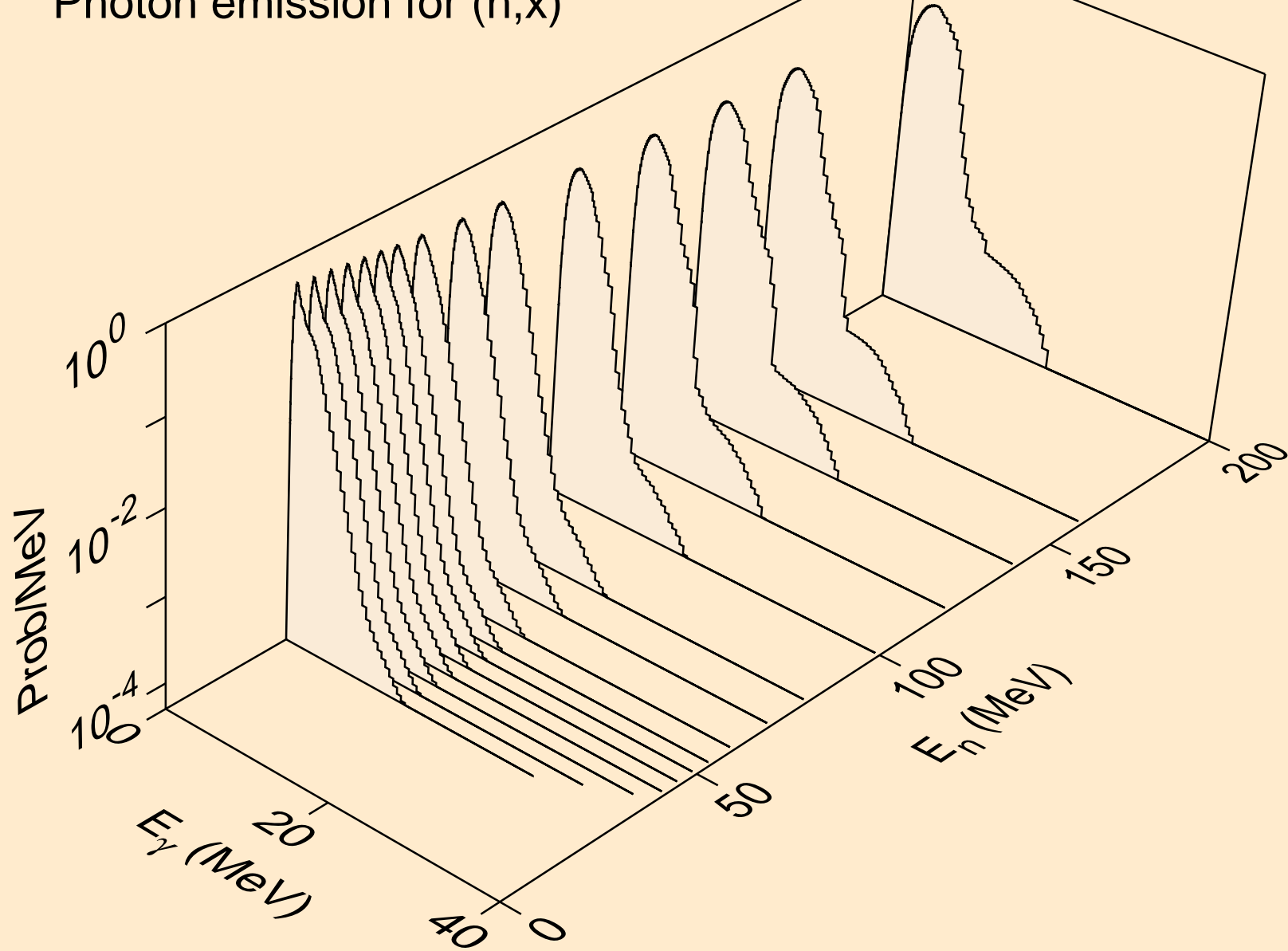
CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,npa)



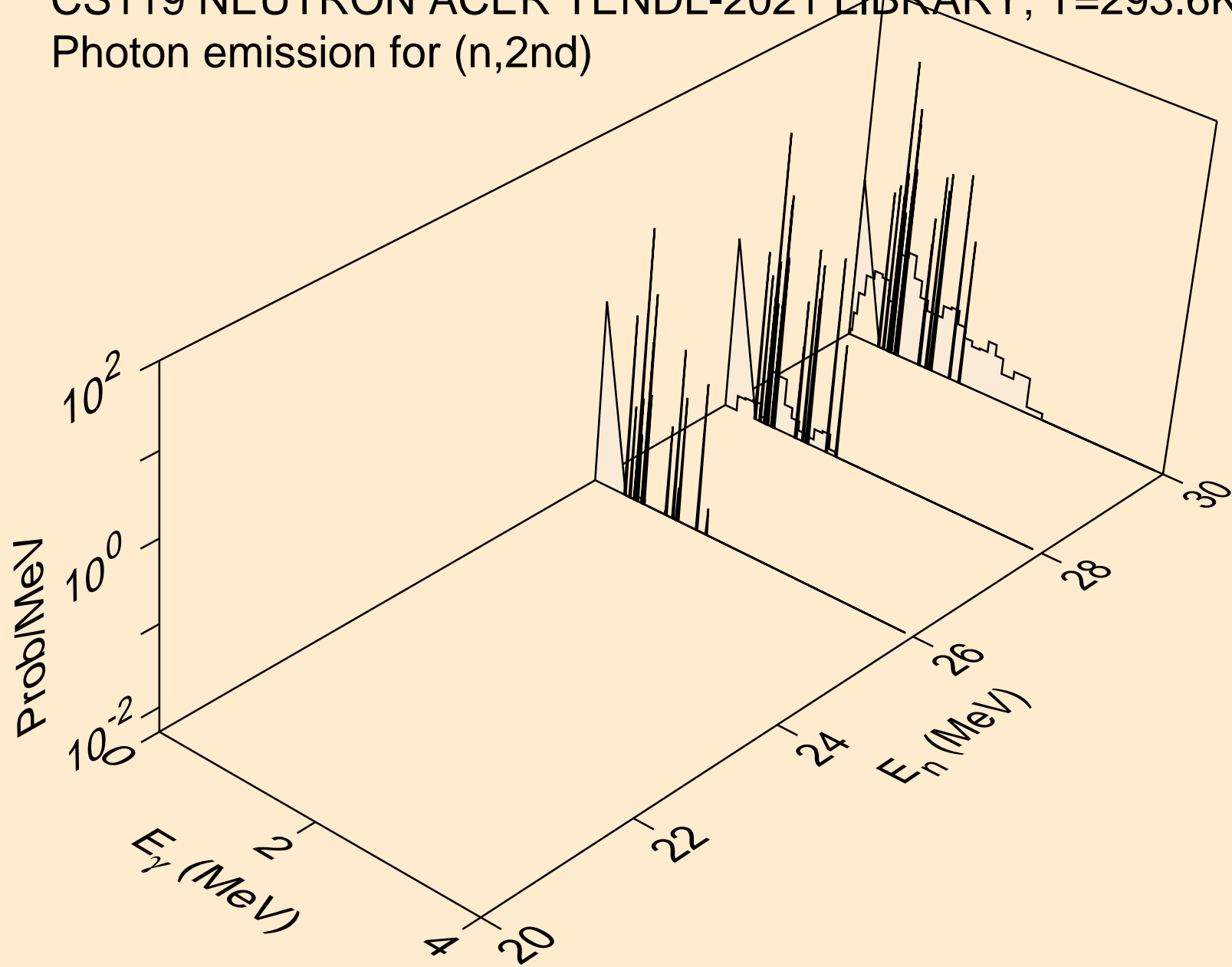
CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*c)



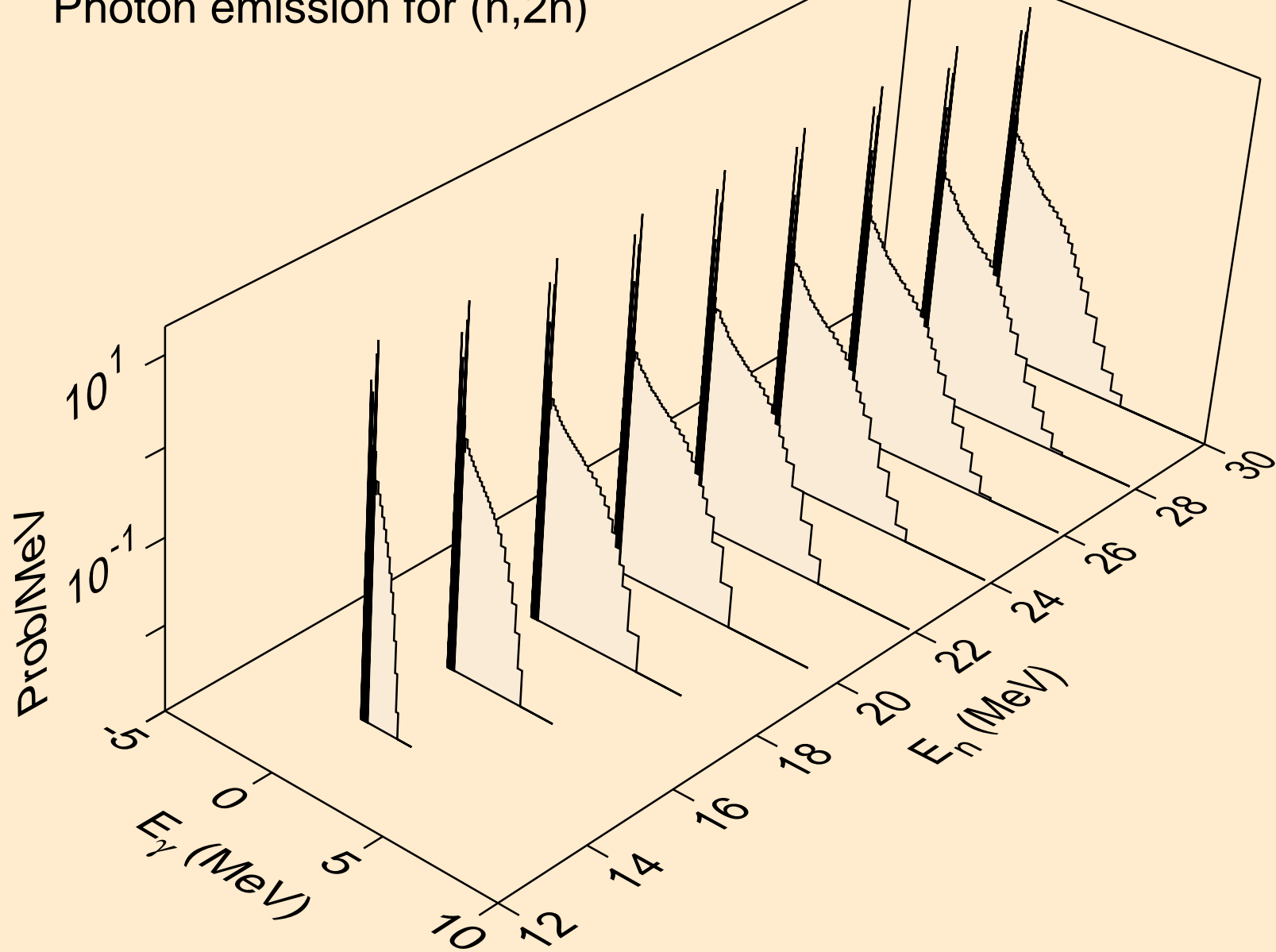
CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,x)



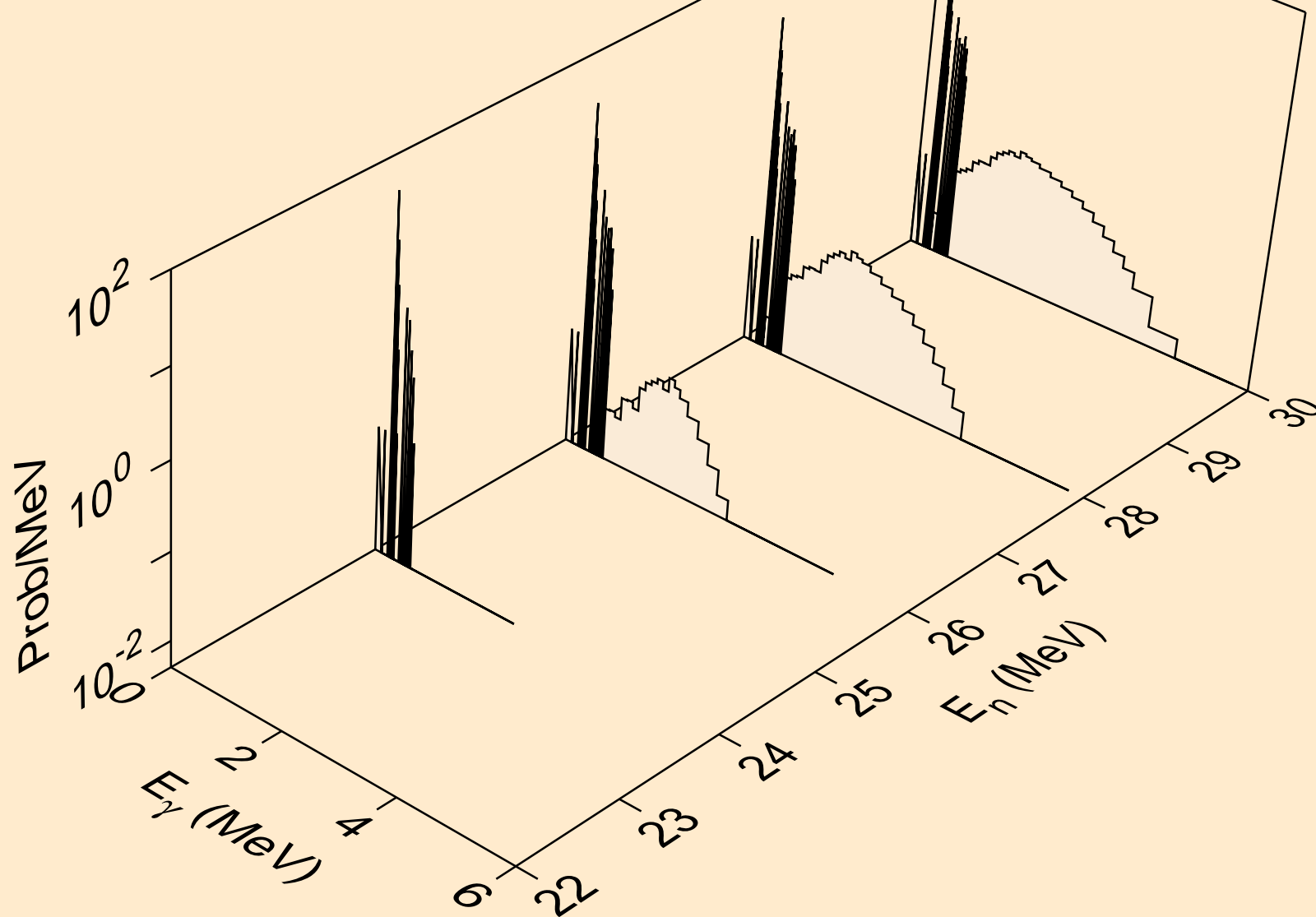
CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2nd)



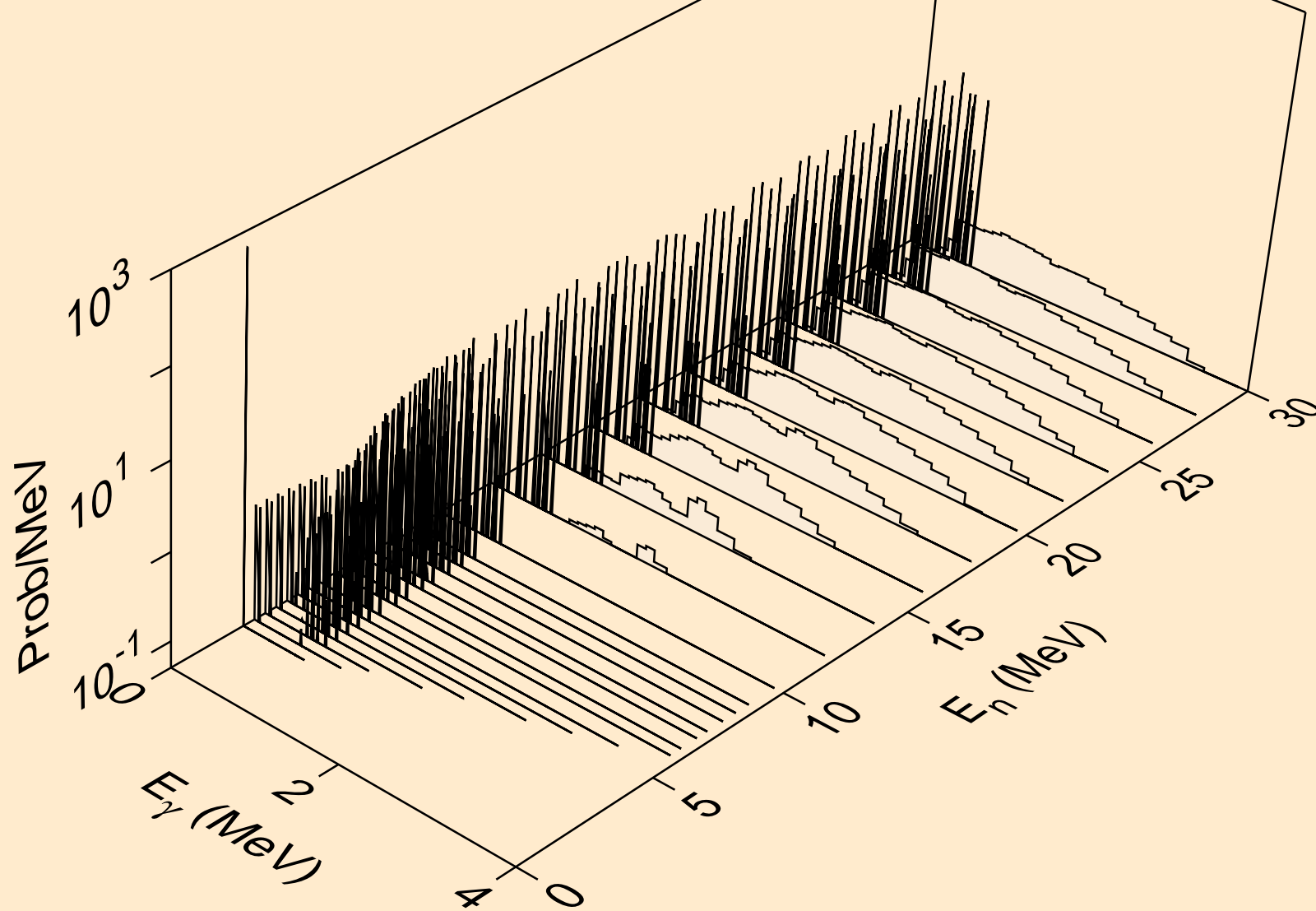
CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2n)



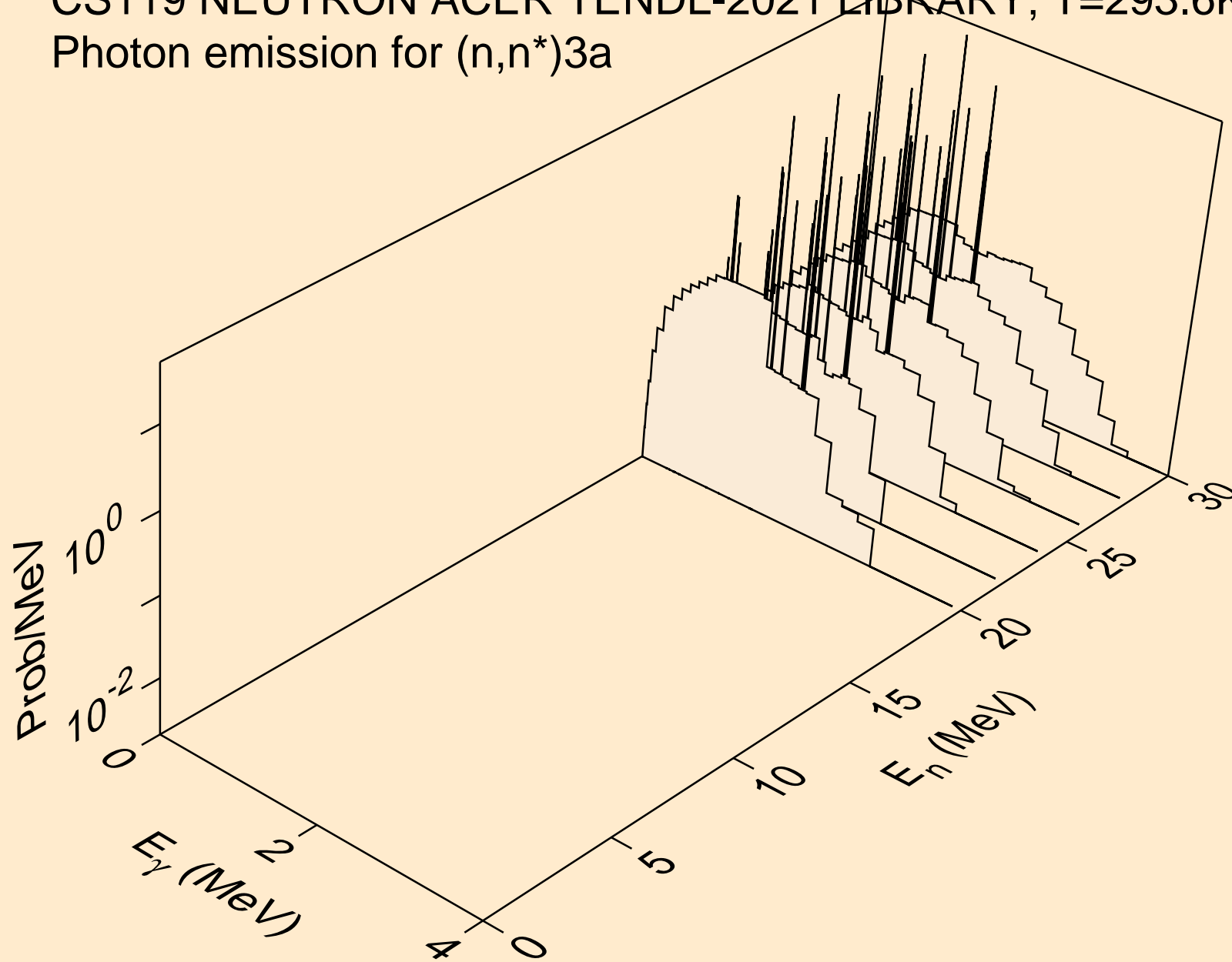
CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3n)



CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)a

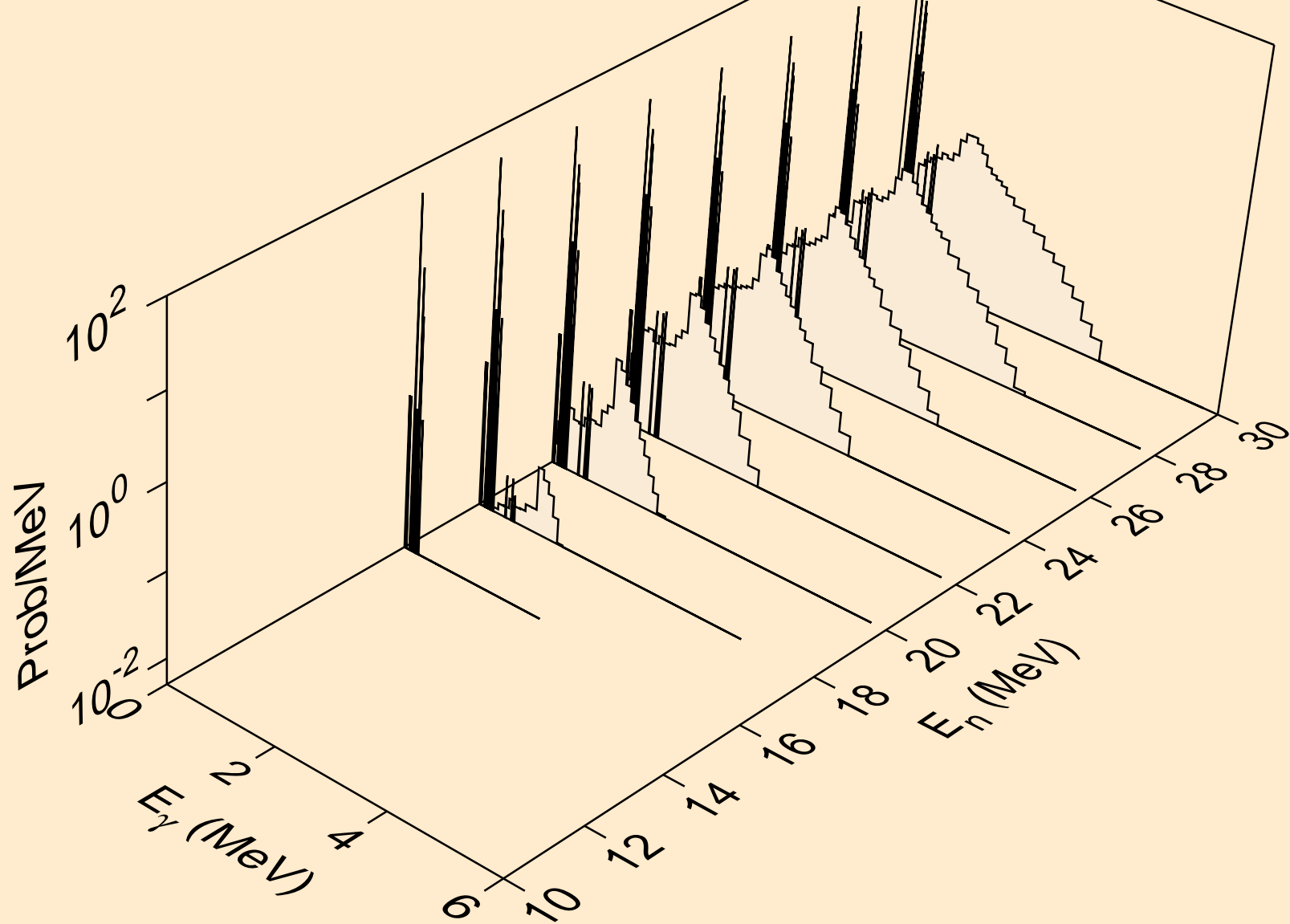


CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)3a

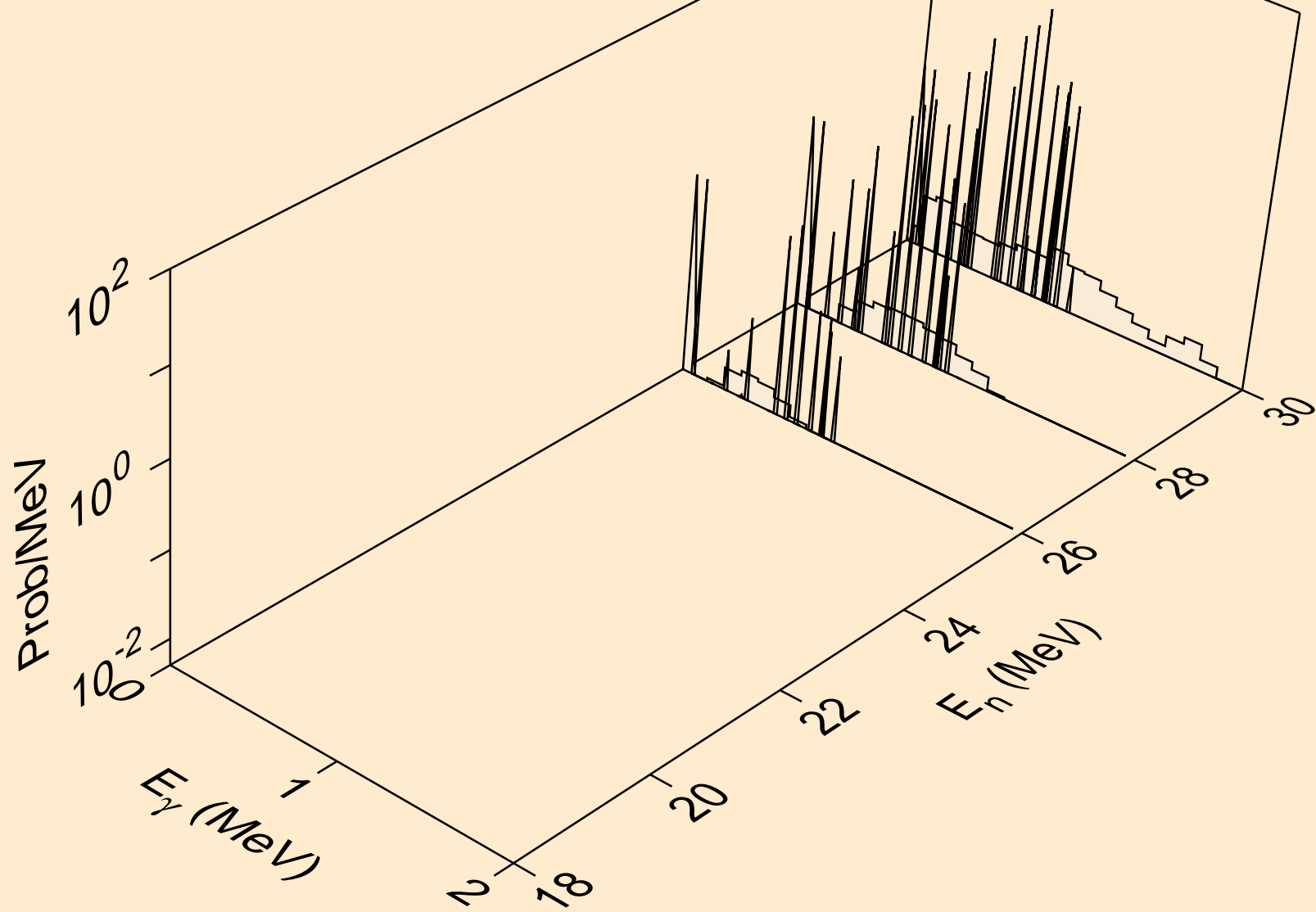




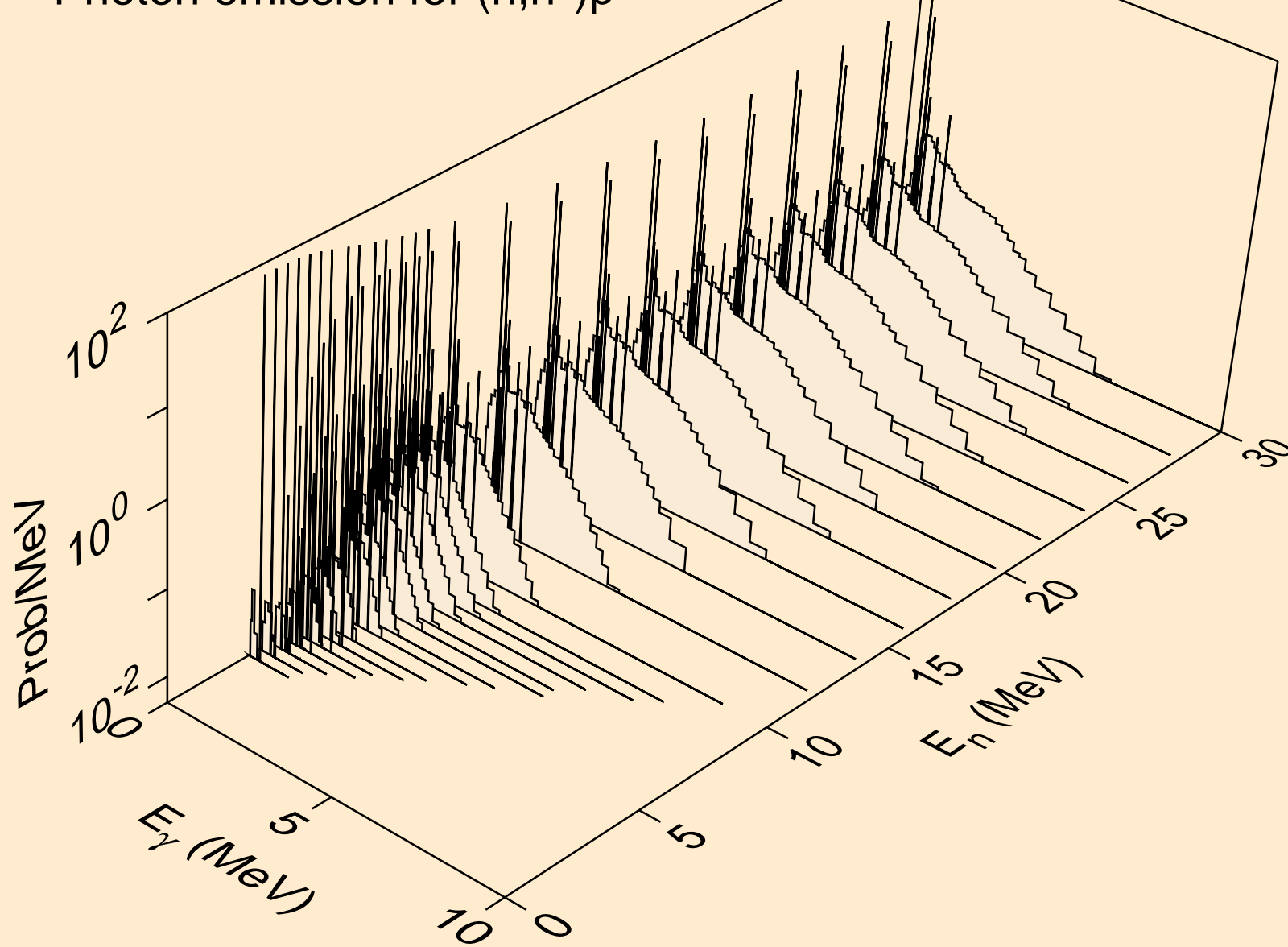
CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2n)a



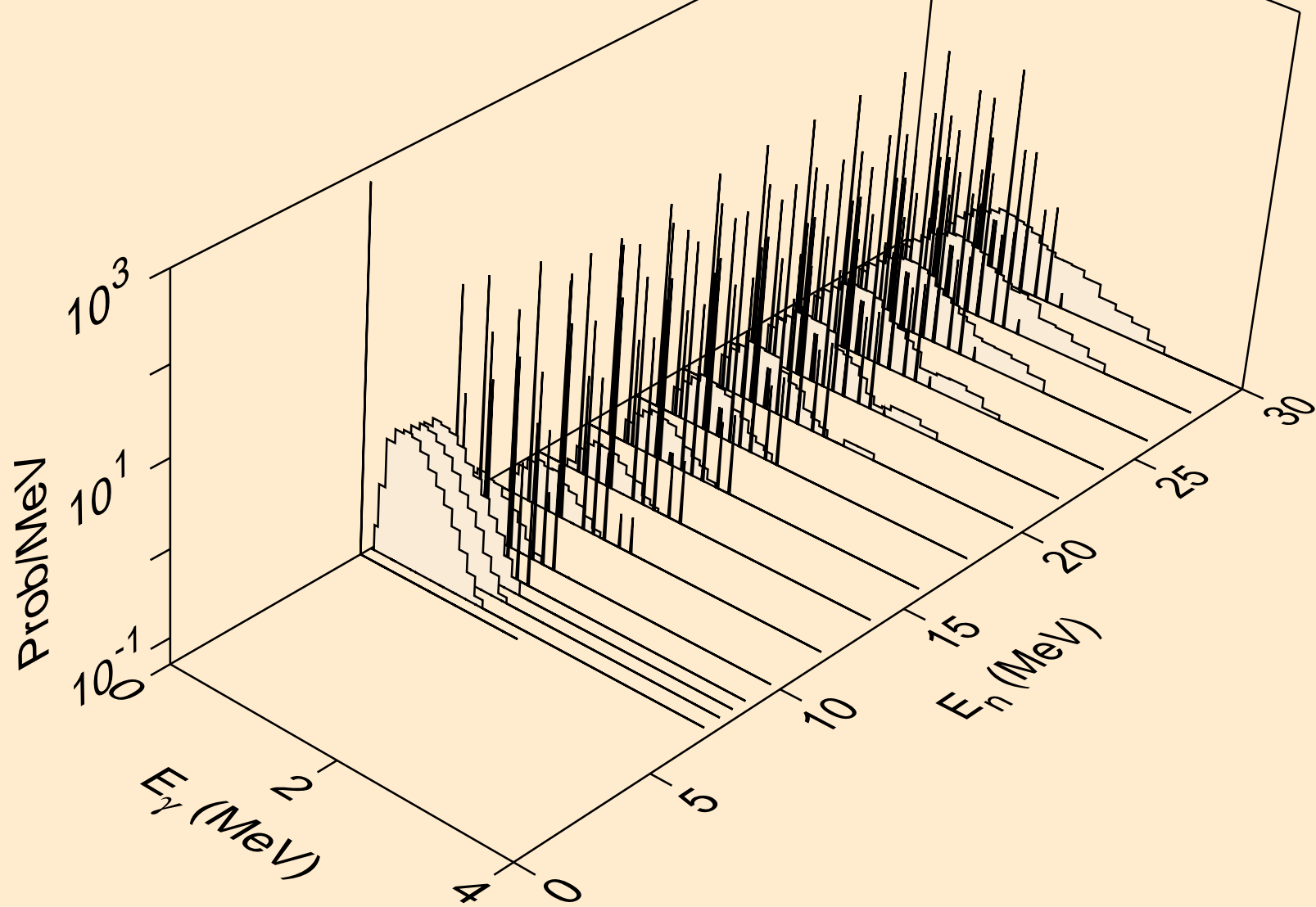
CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3n)a



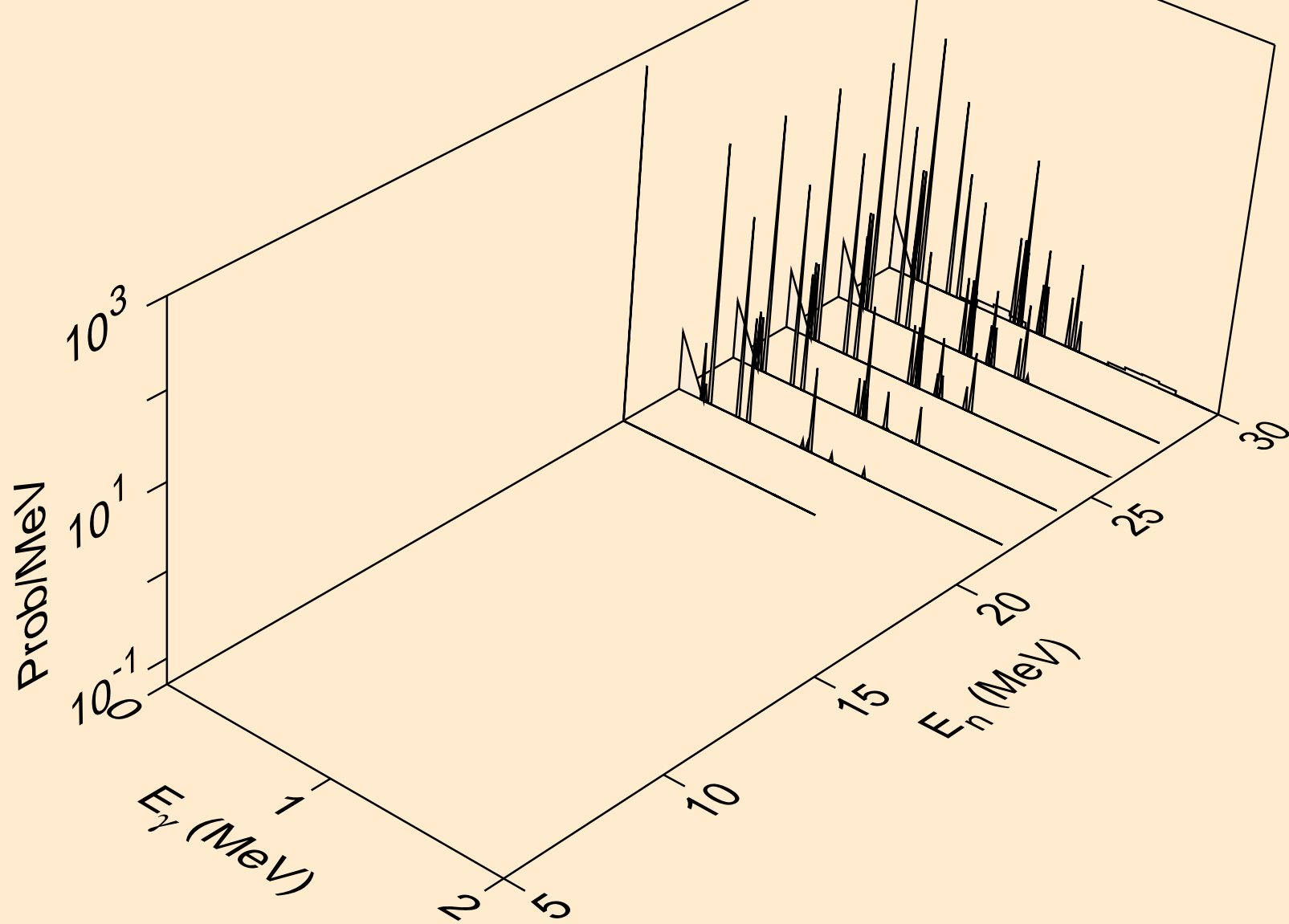
CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)p



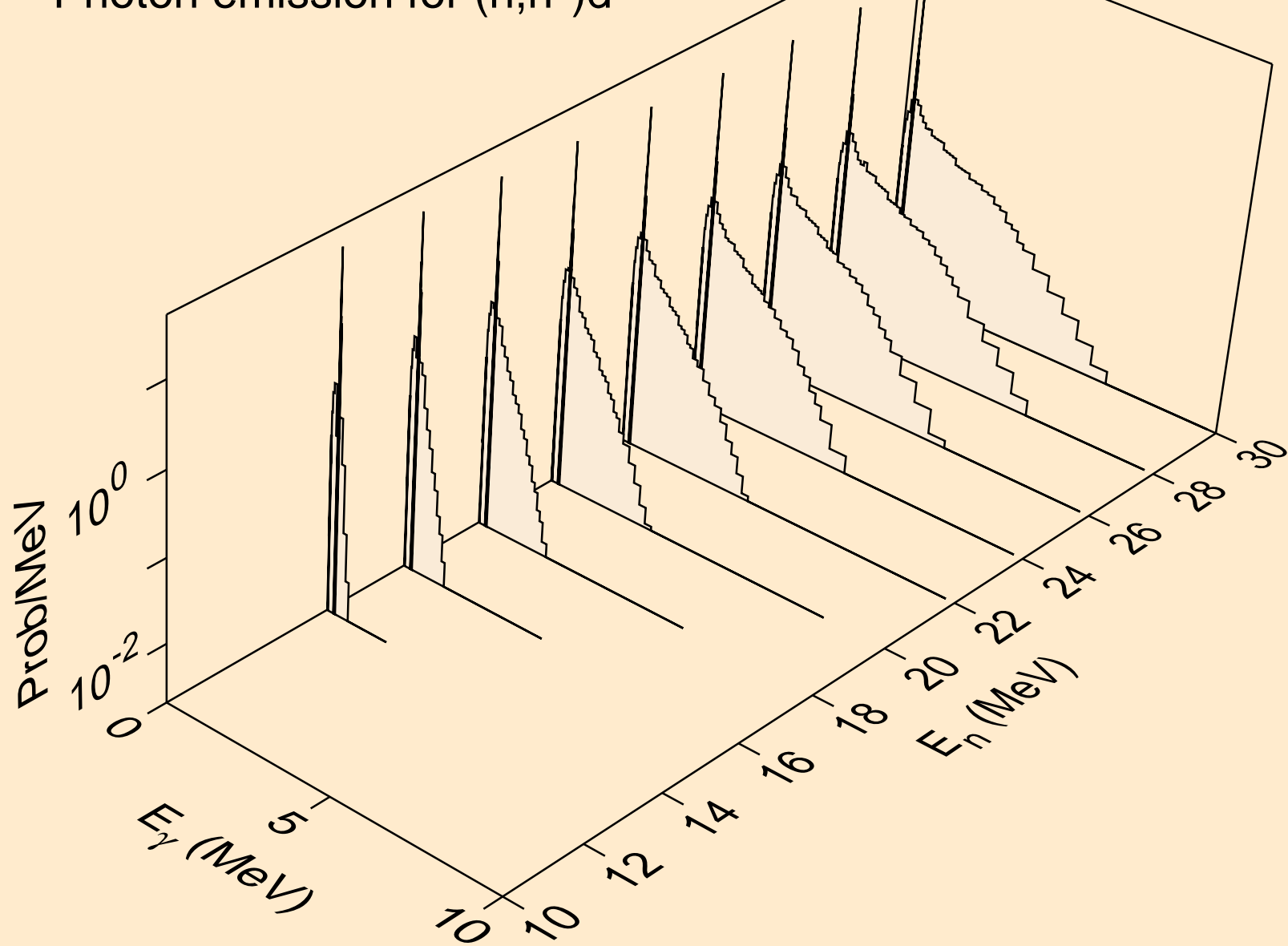
CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)2a



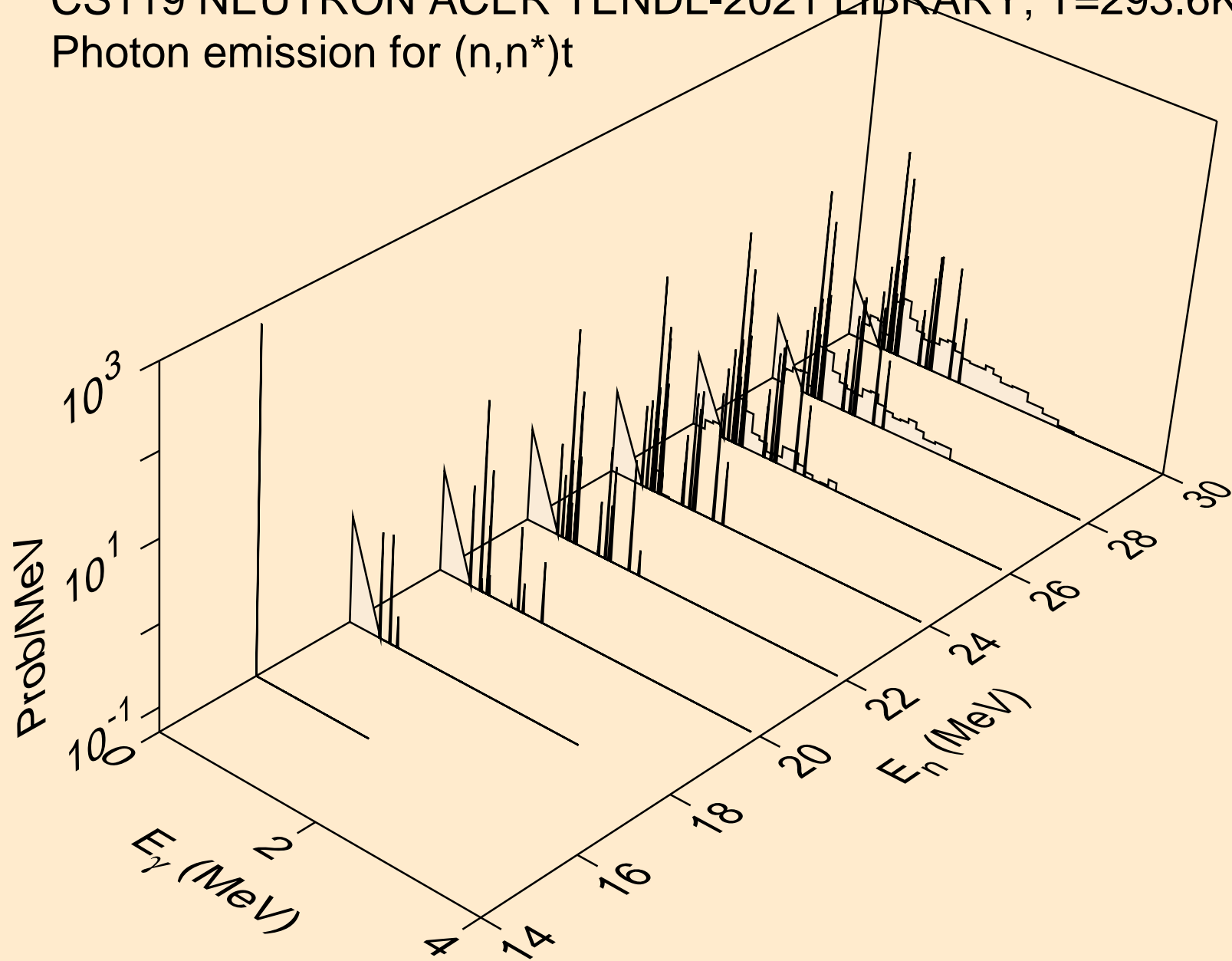
CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2n)2a



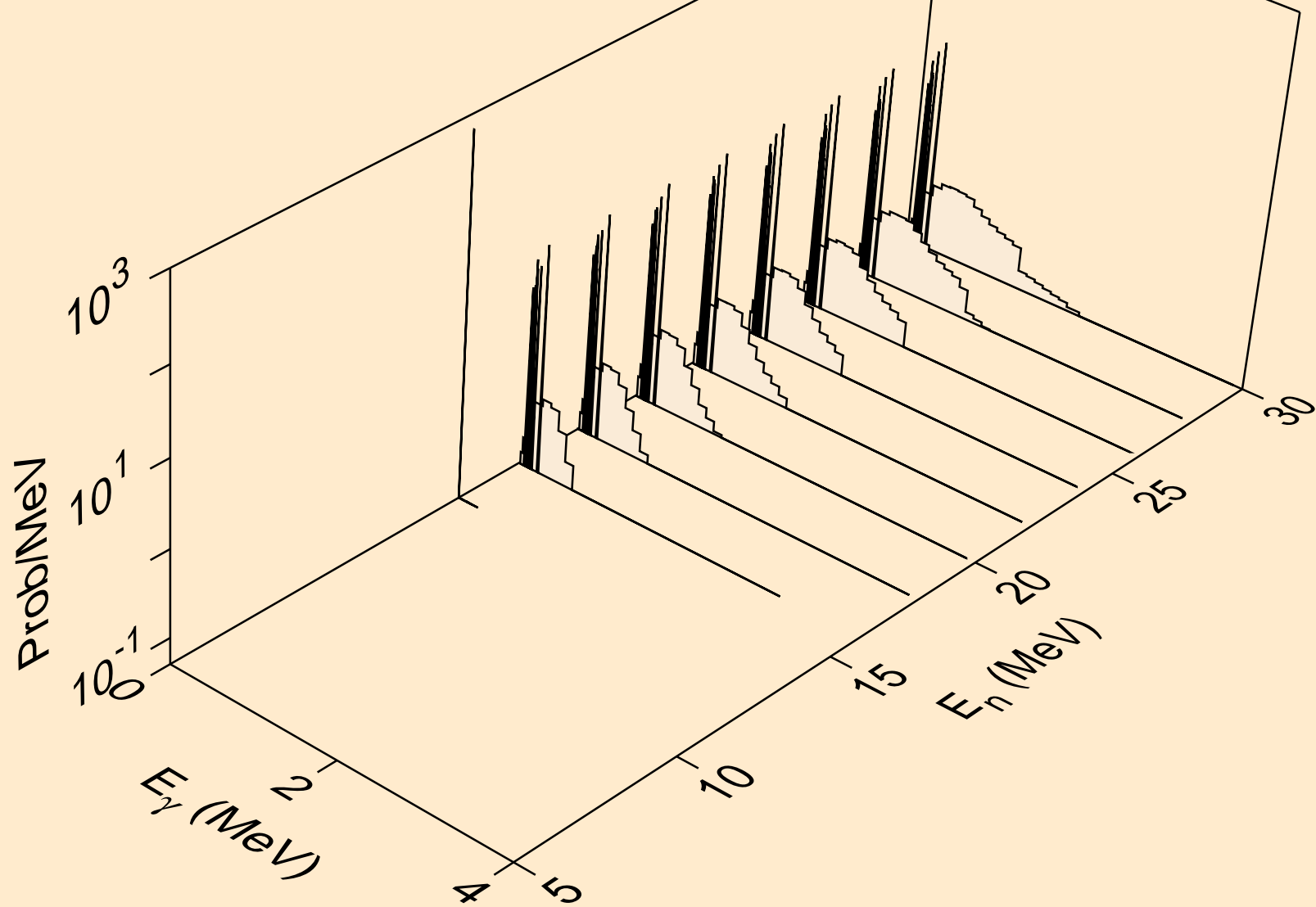
CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)d



CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)t

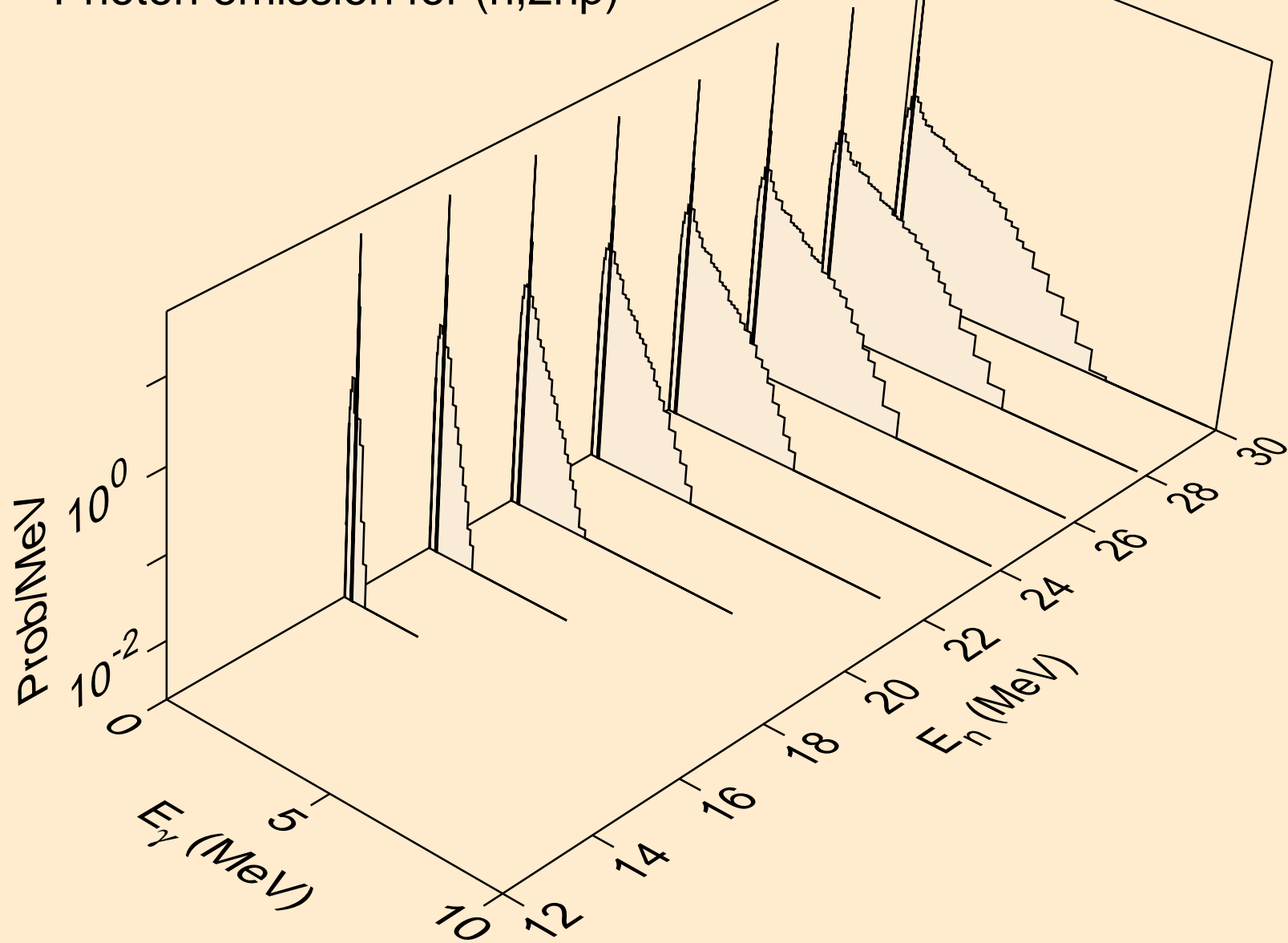


CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)he3

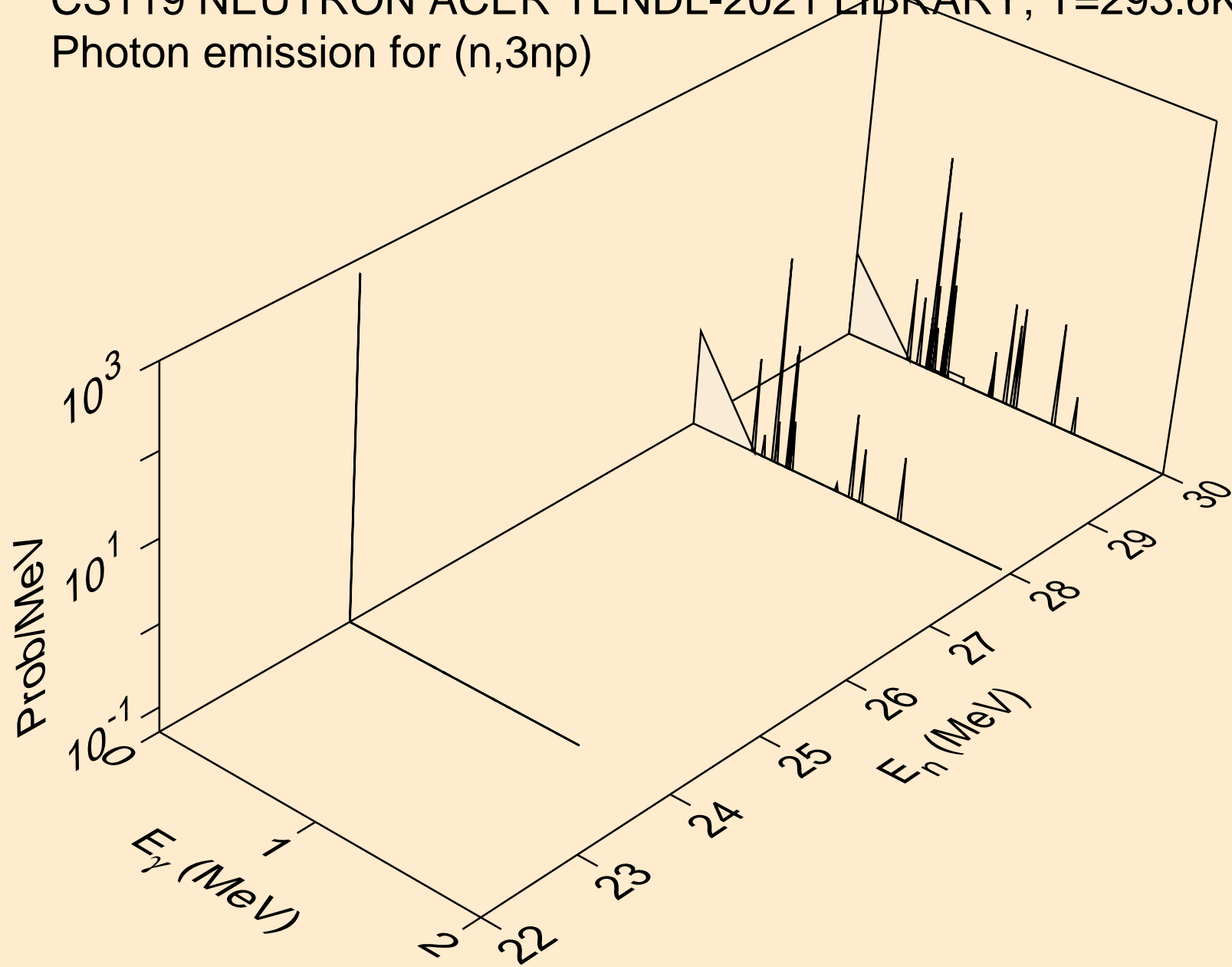




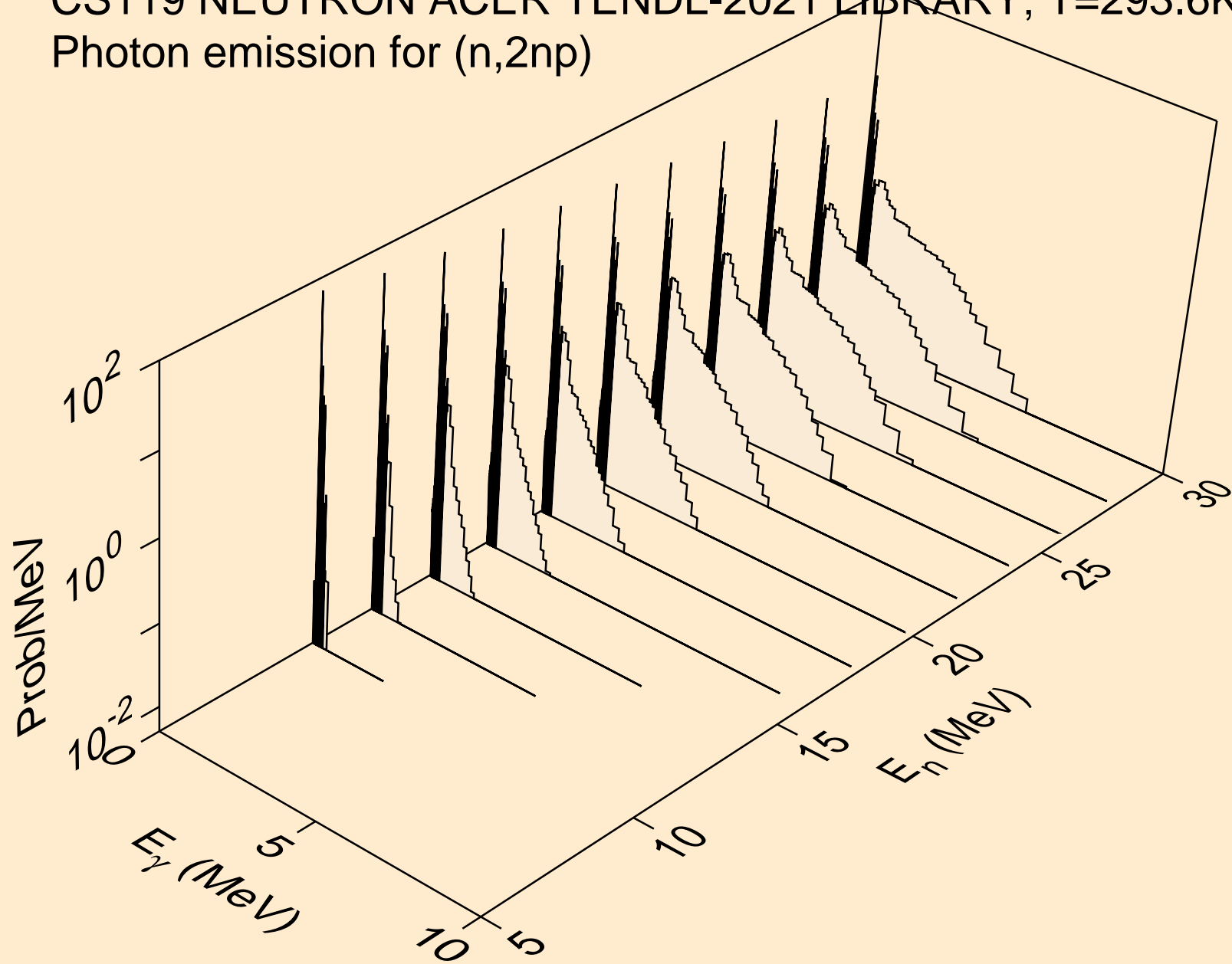
CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2np)



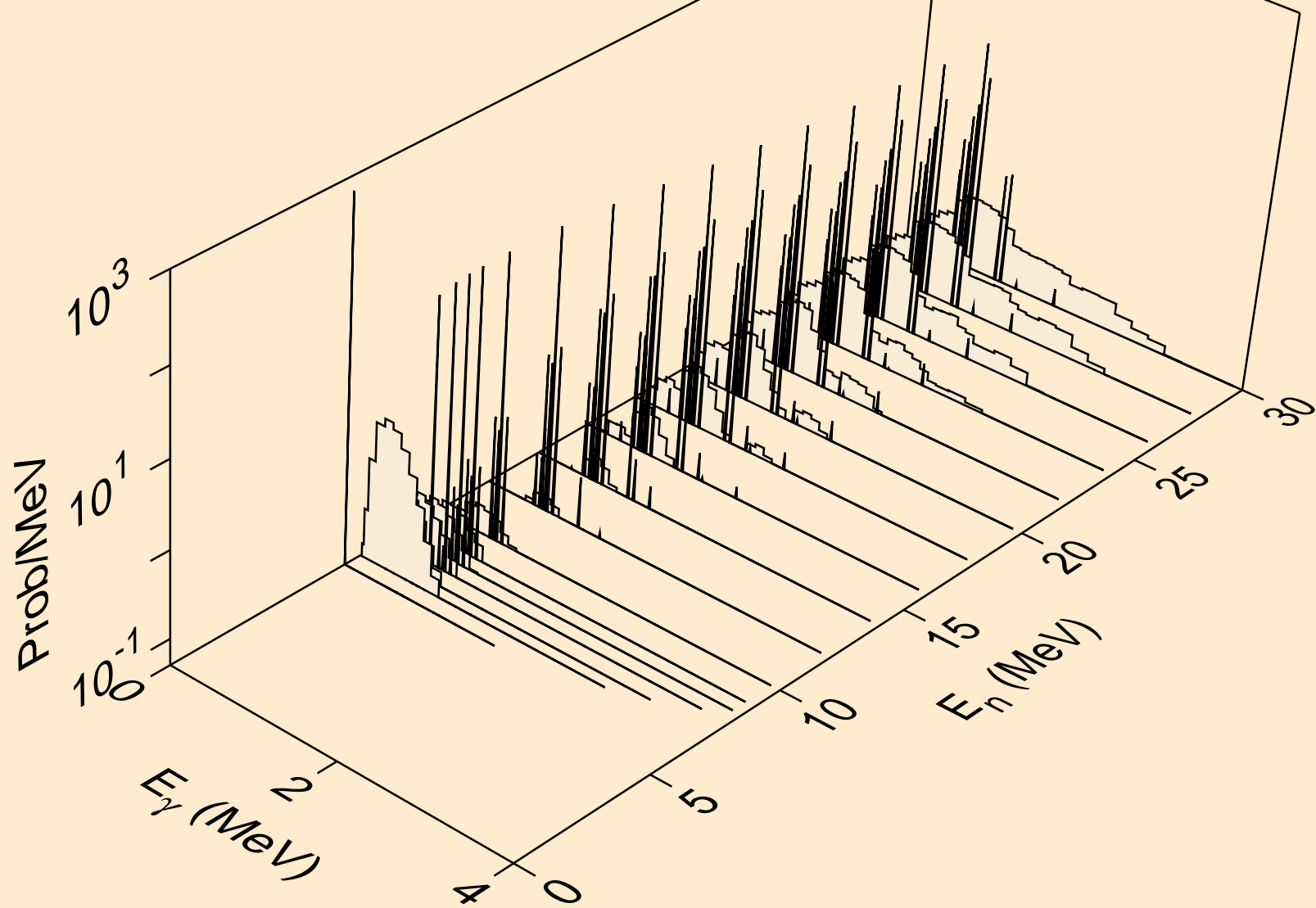
CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3np)



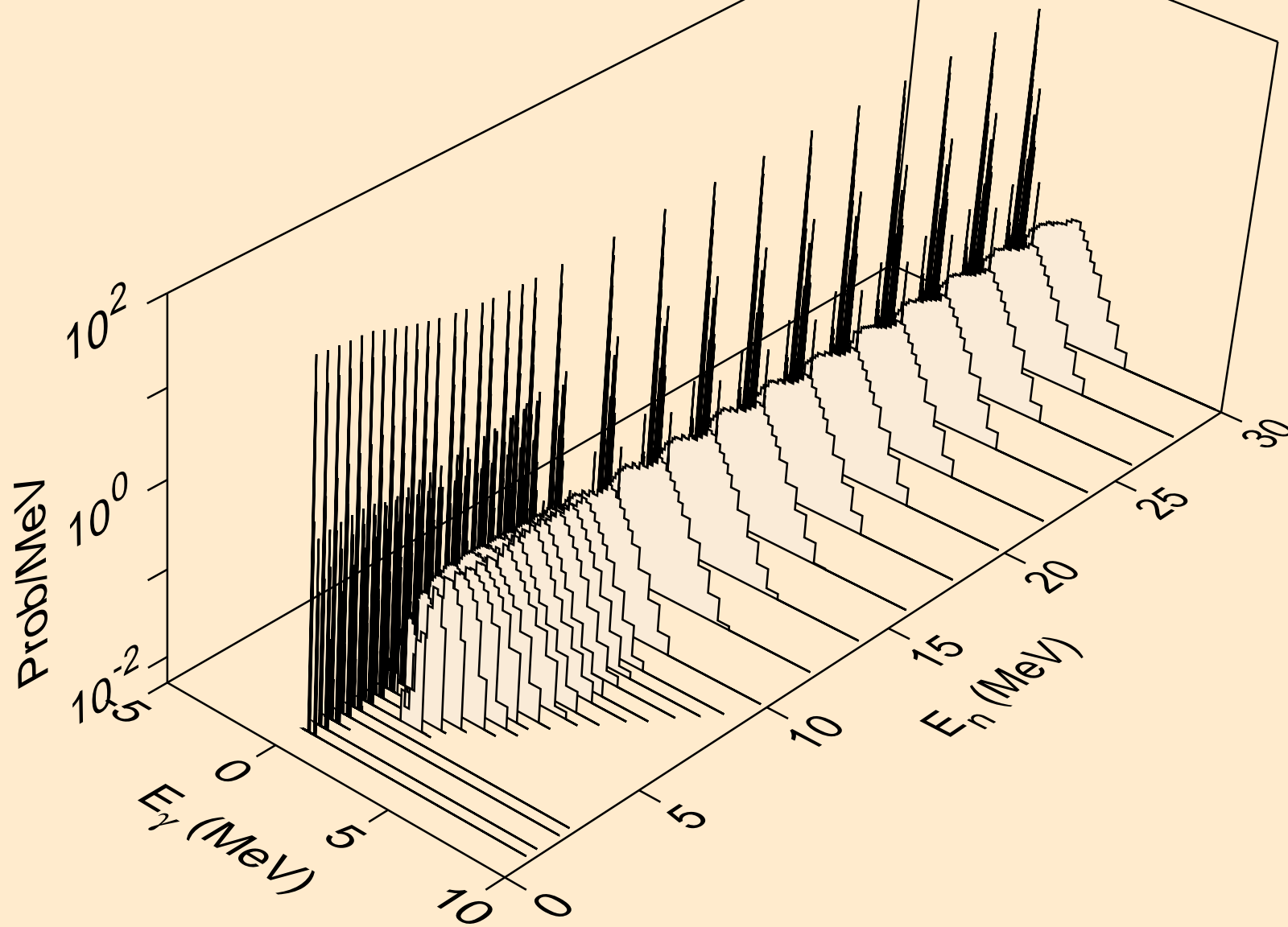
CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2np)



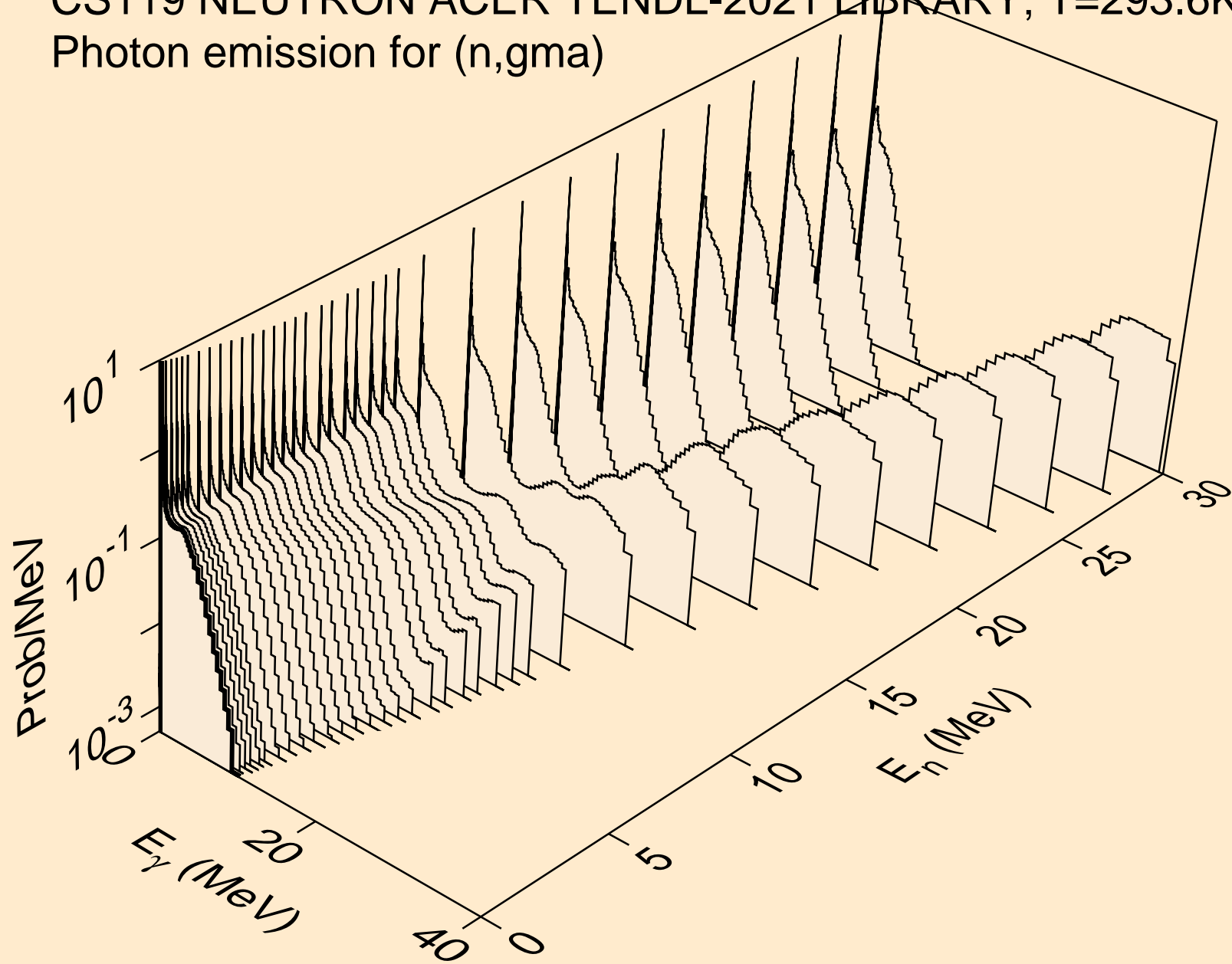
CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,npa)



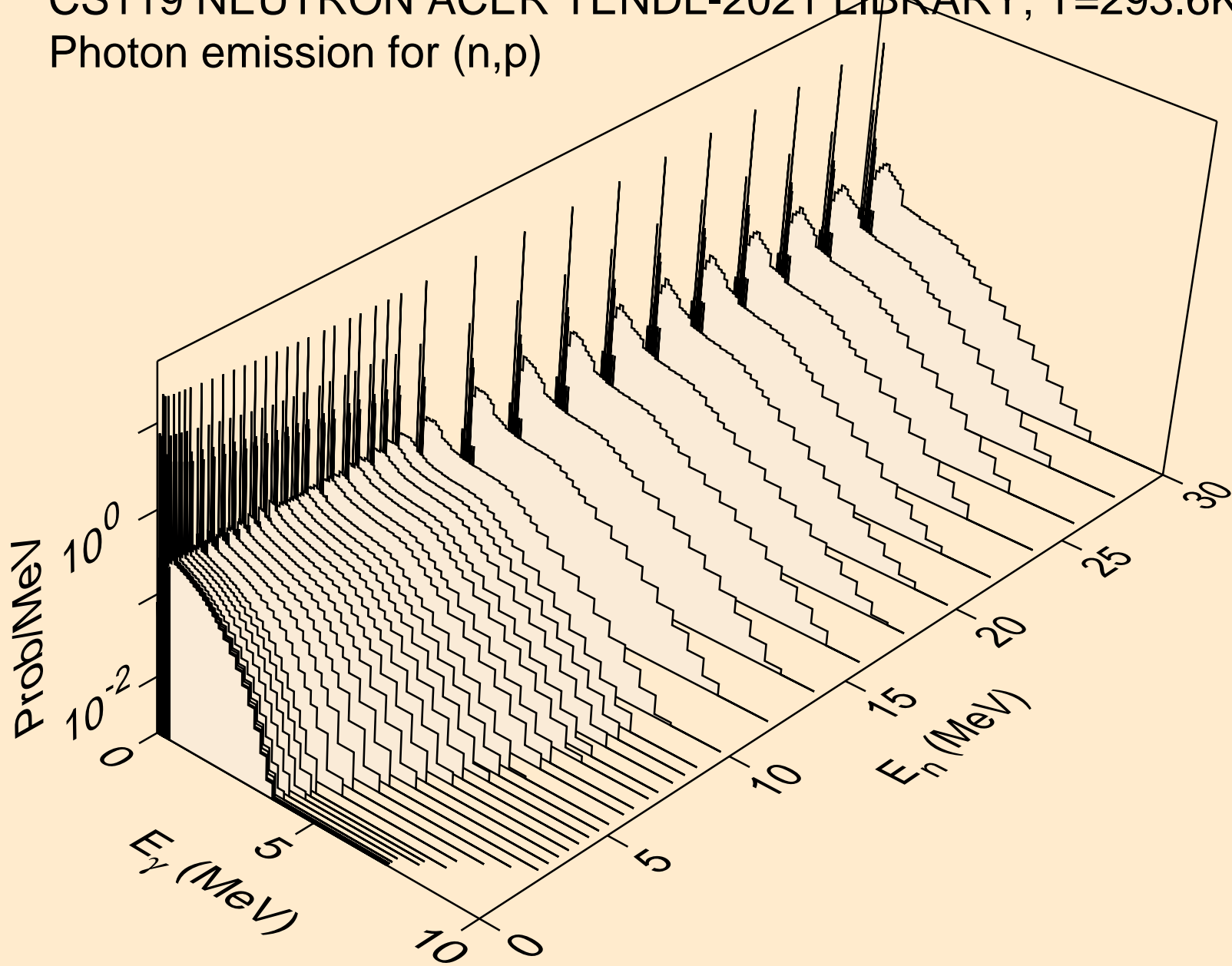
CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*c)



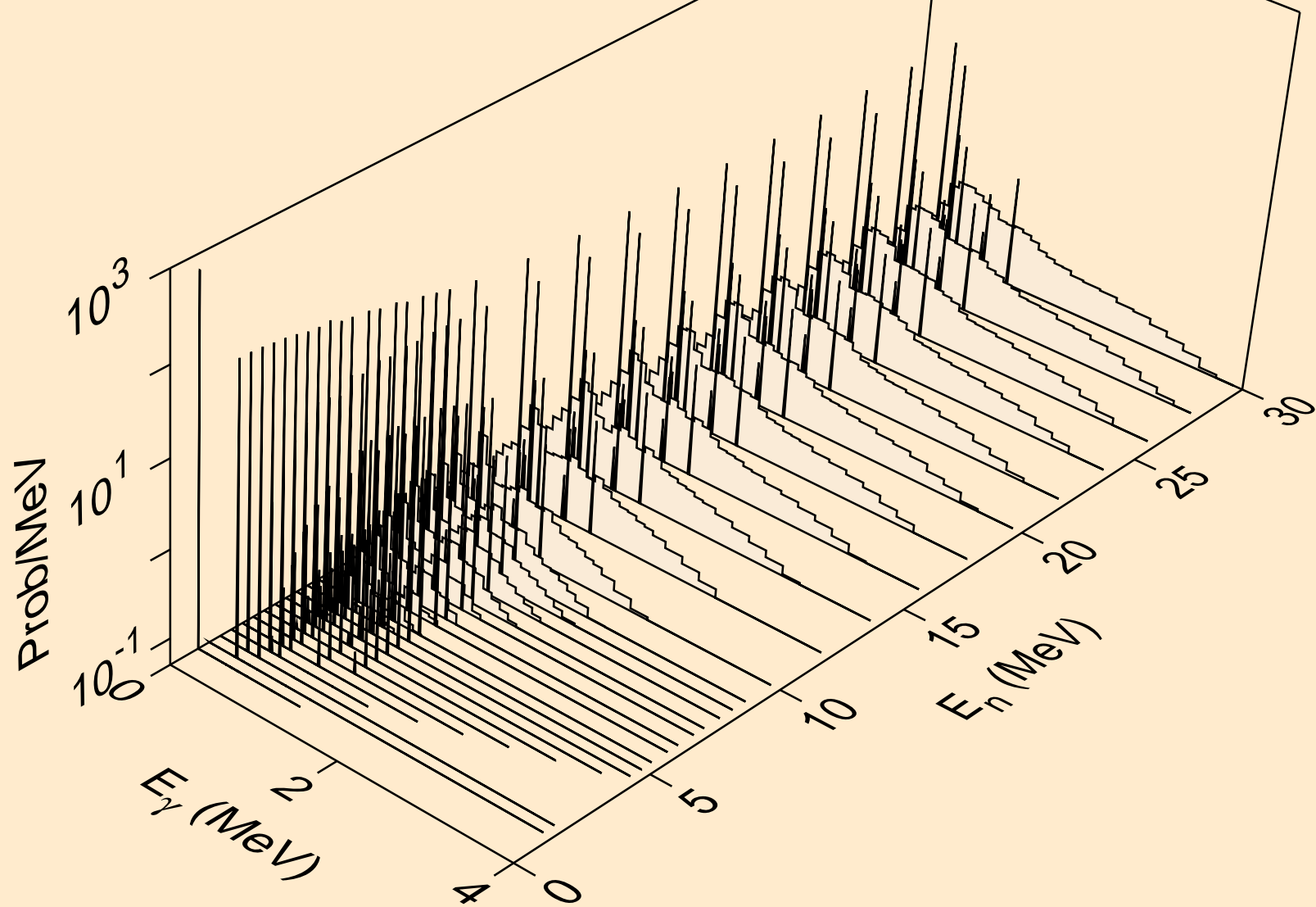
CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,gma)



CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,p)

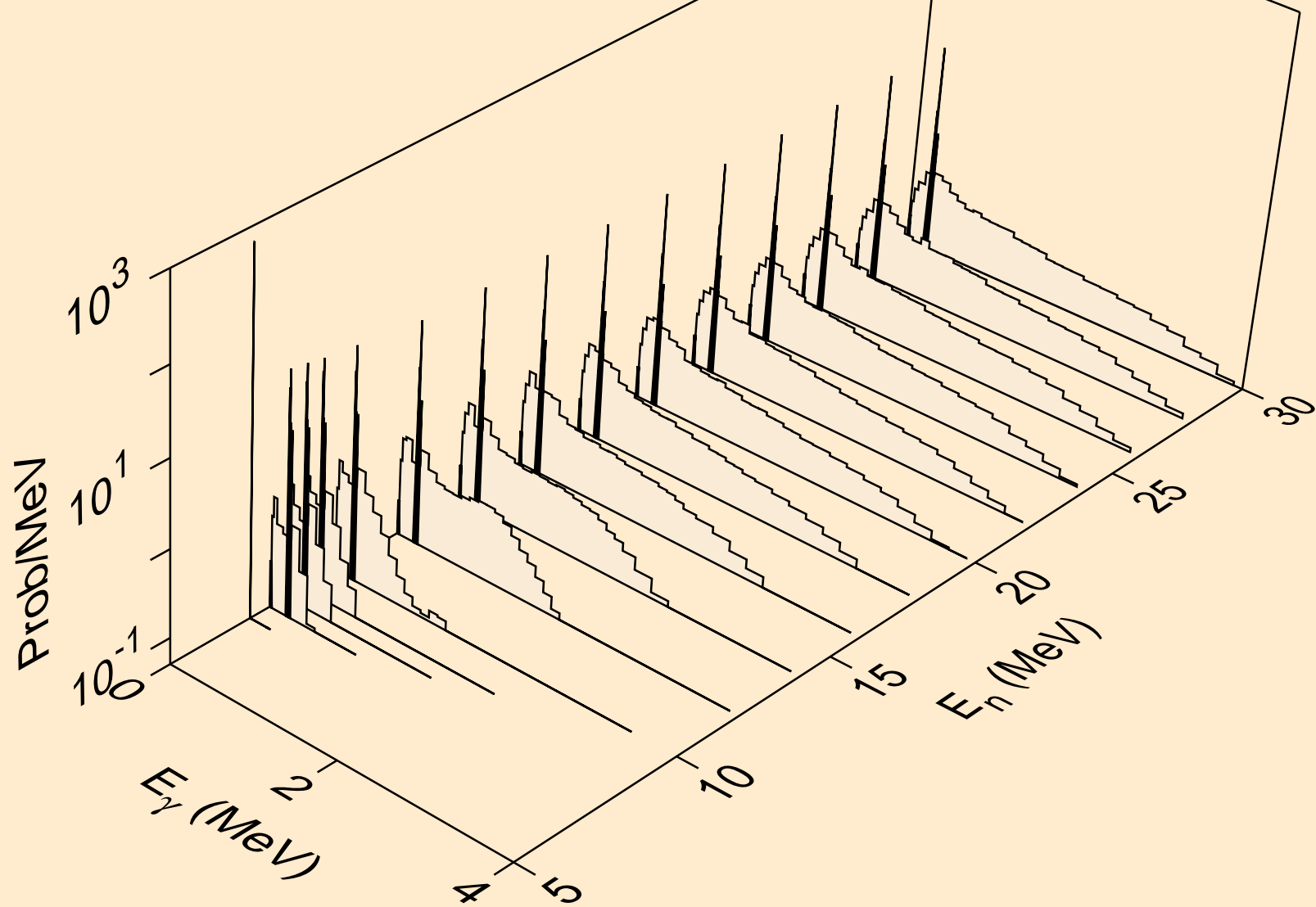


CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,d)

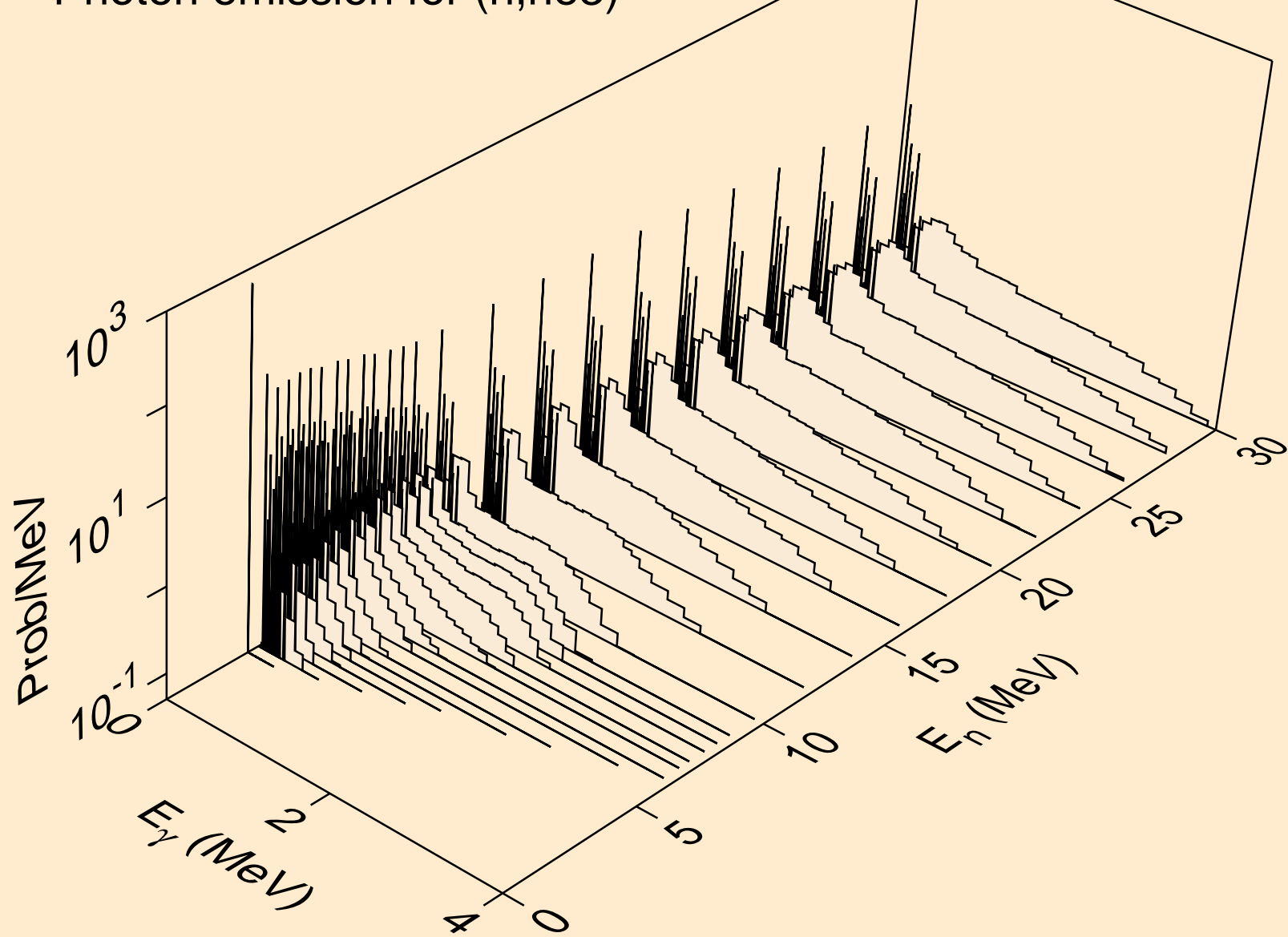




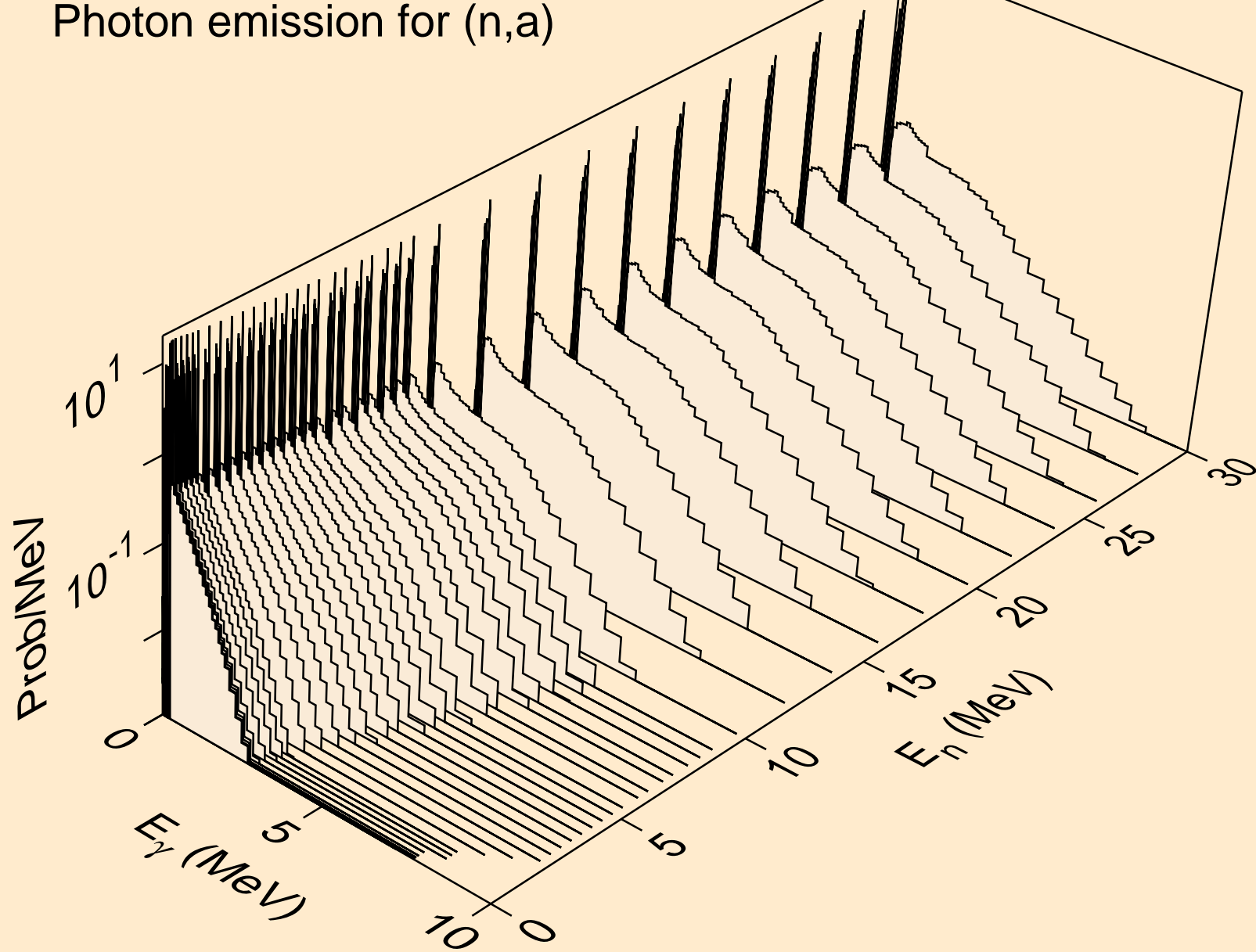
CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,t)



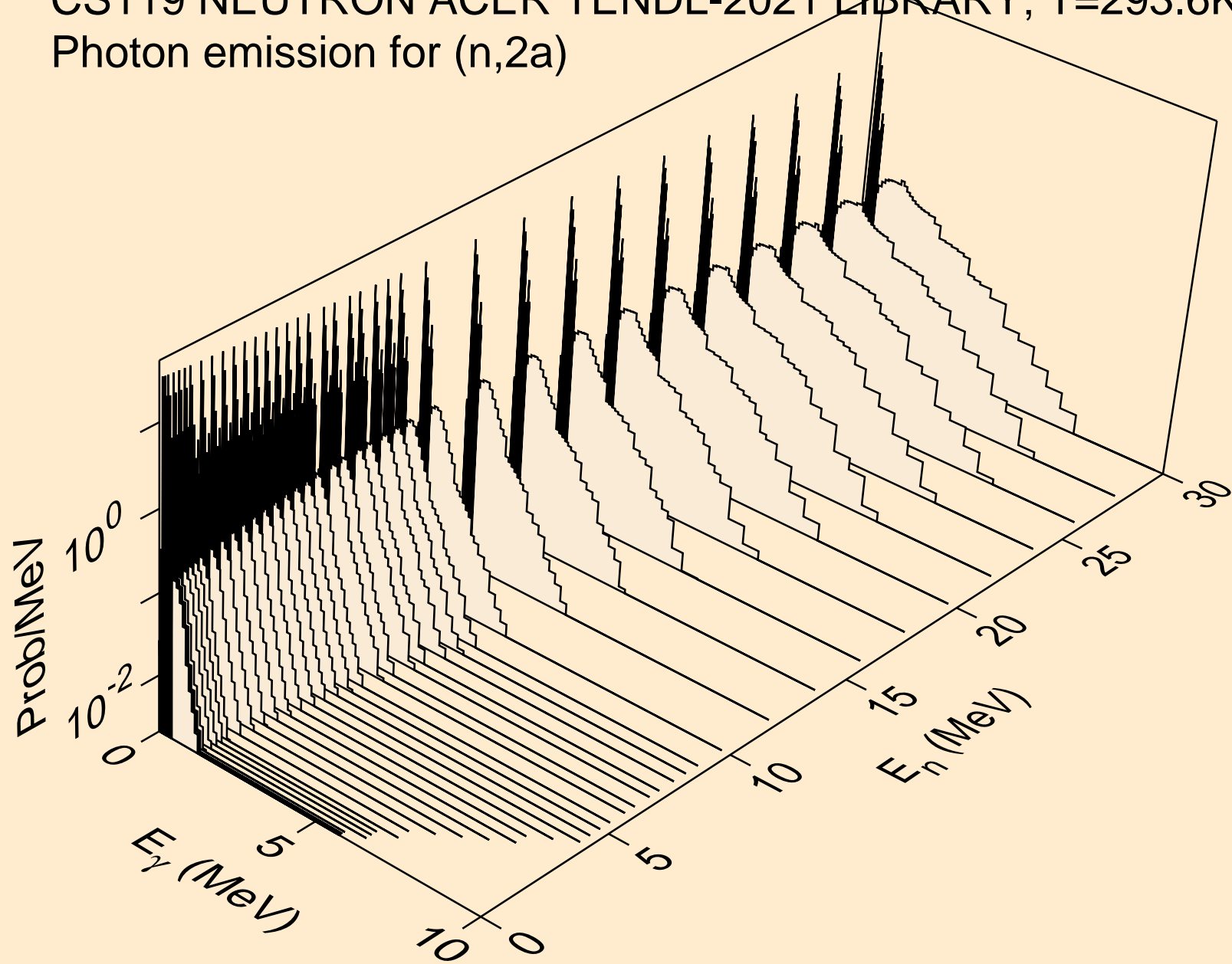
CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,he3)



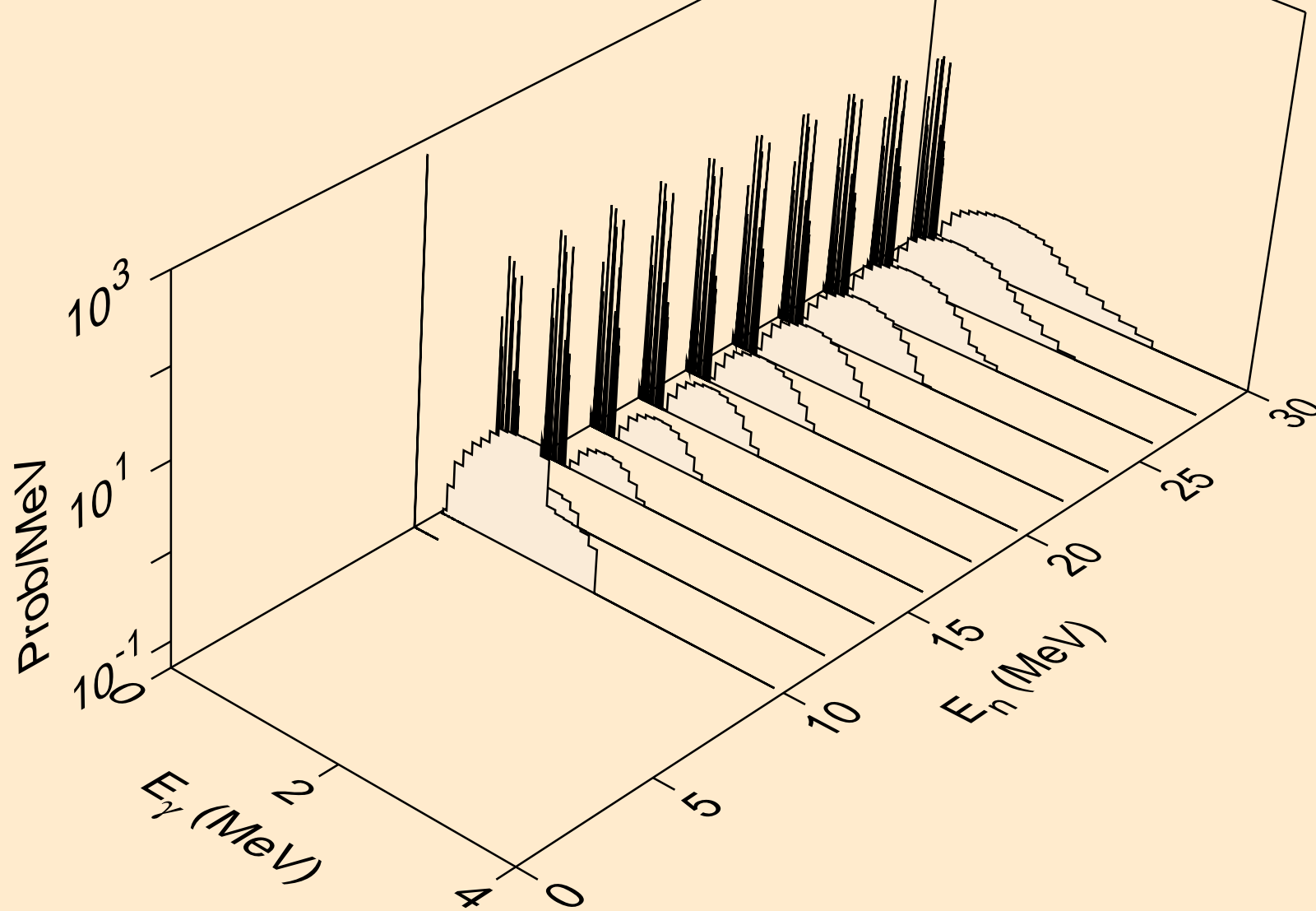
CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,a)



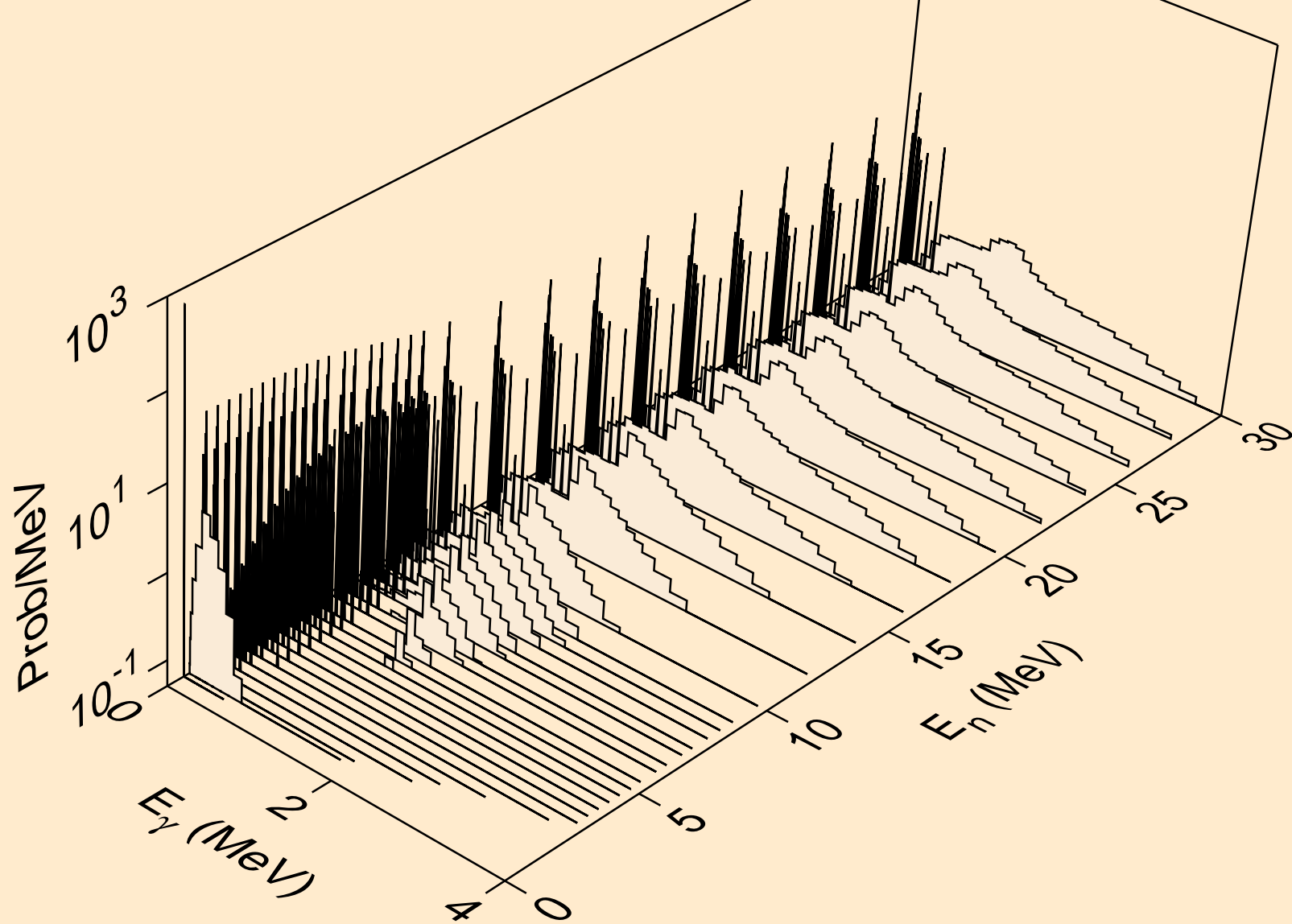
CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2a)



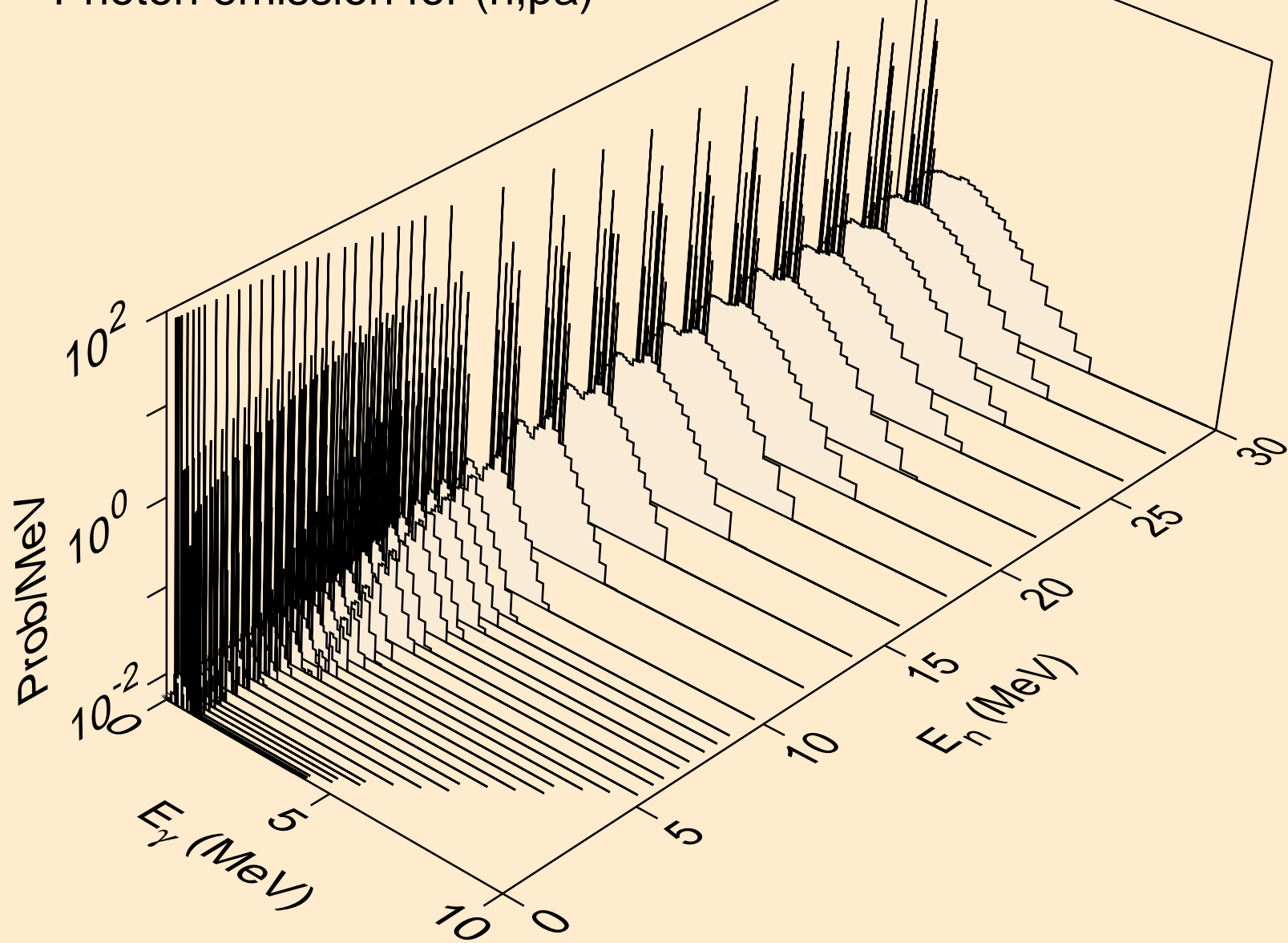
CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3a)



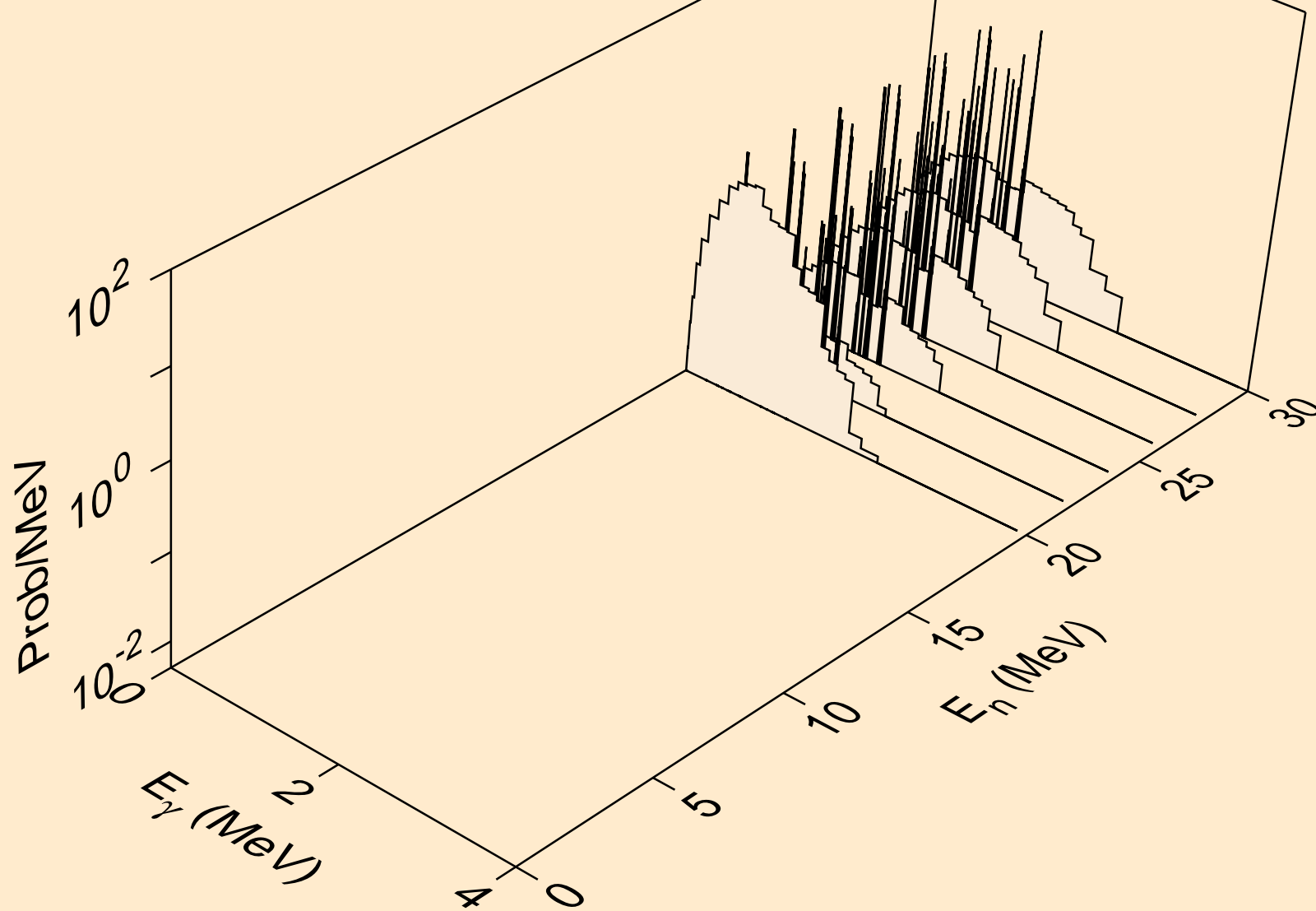
CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2p)



CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,p)

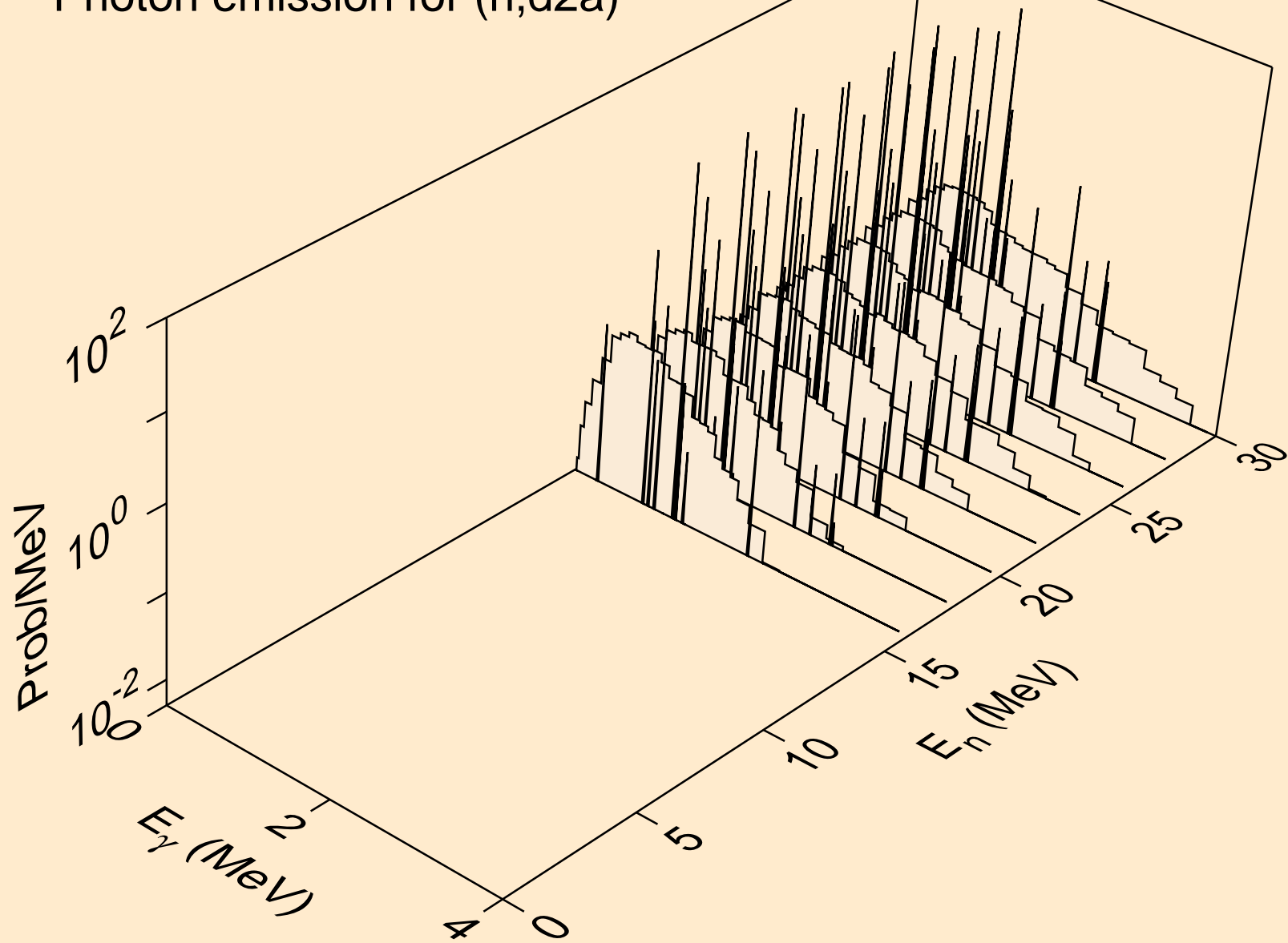


CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,t2a)

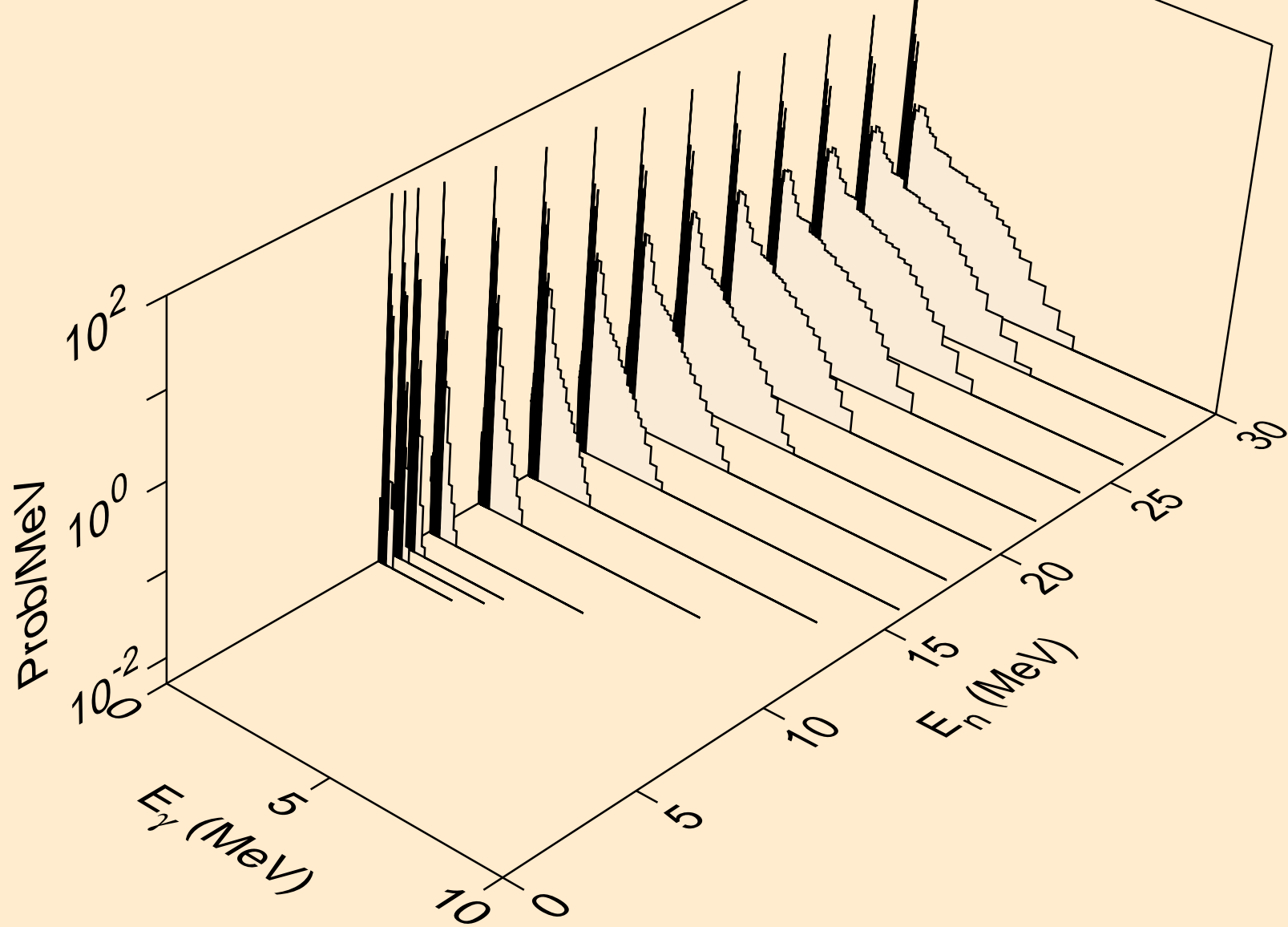




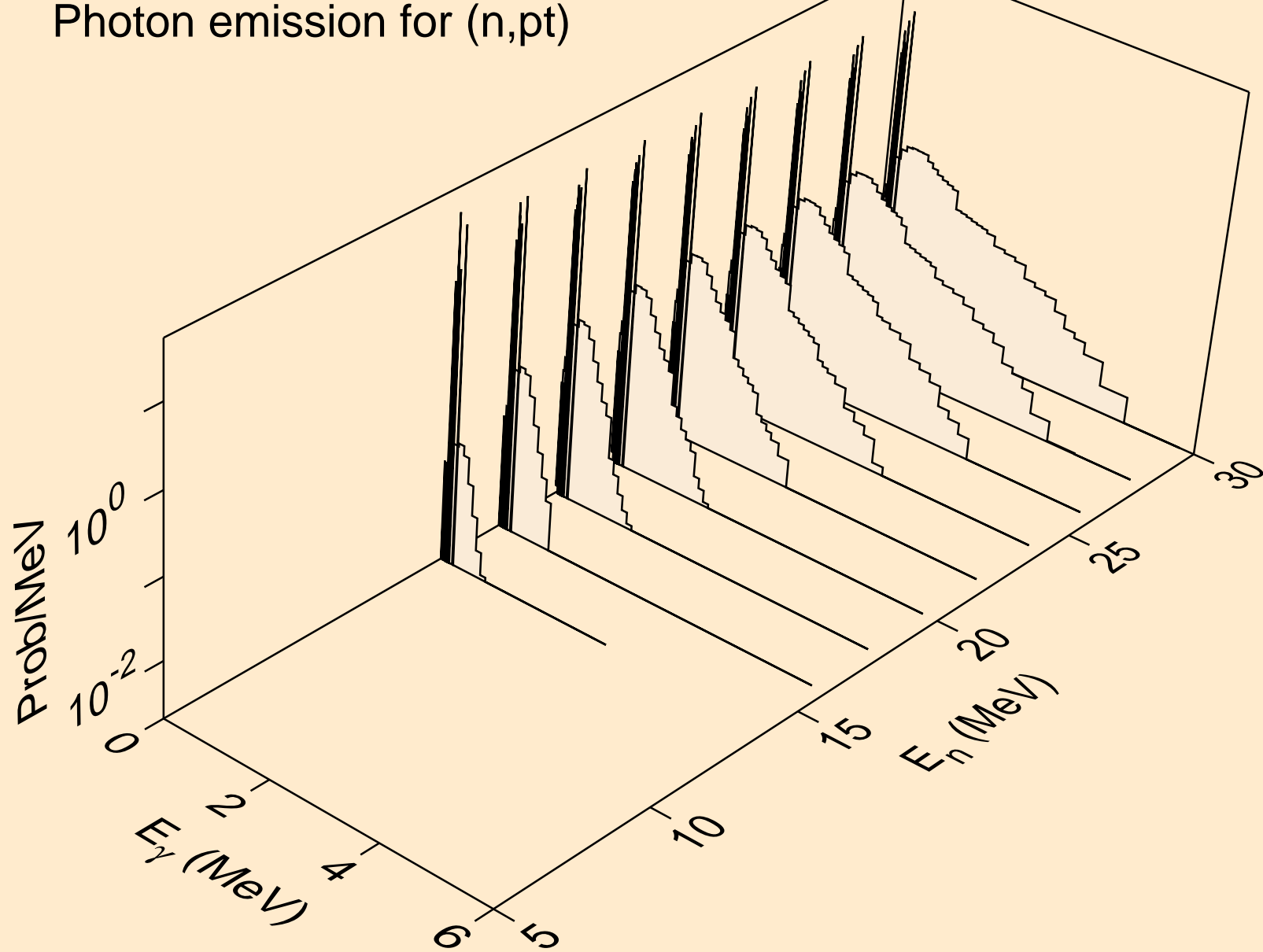
CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,d2a)



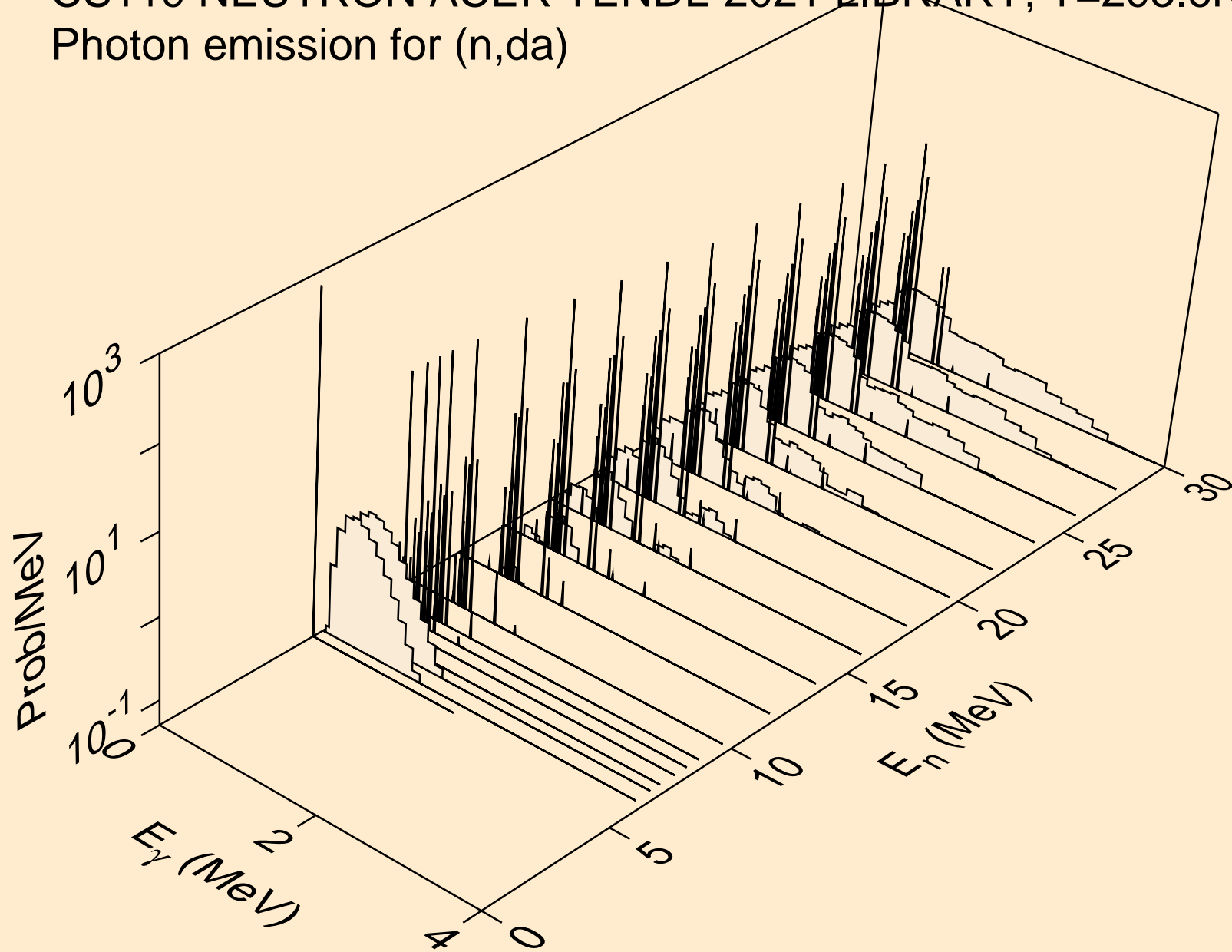
CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,pd)



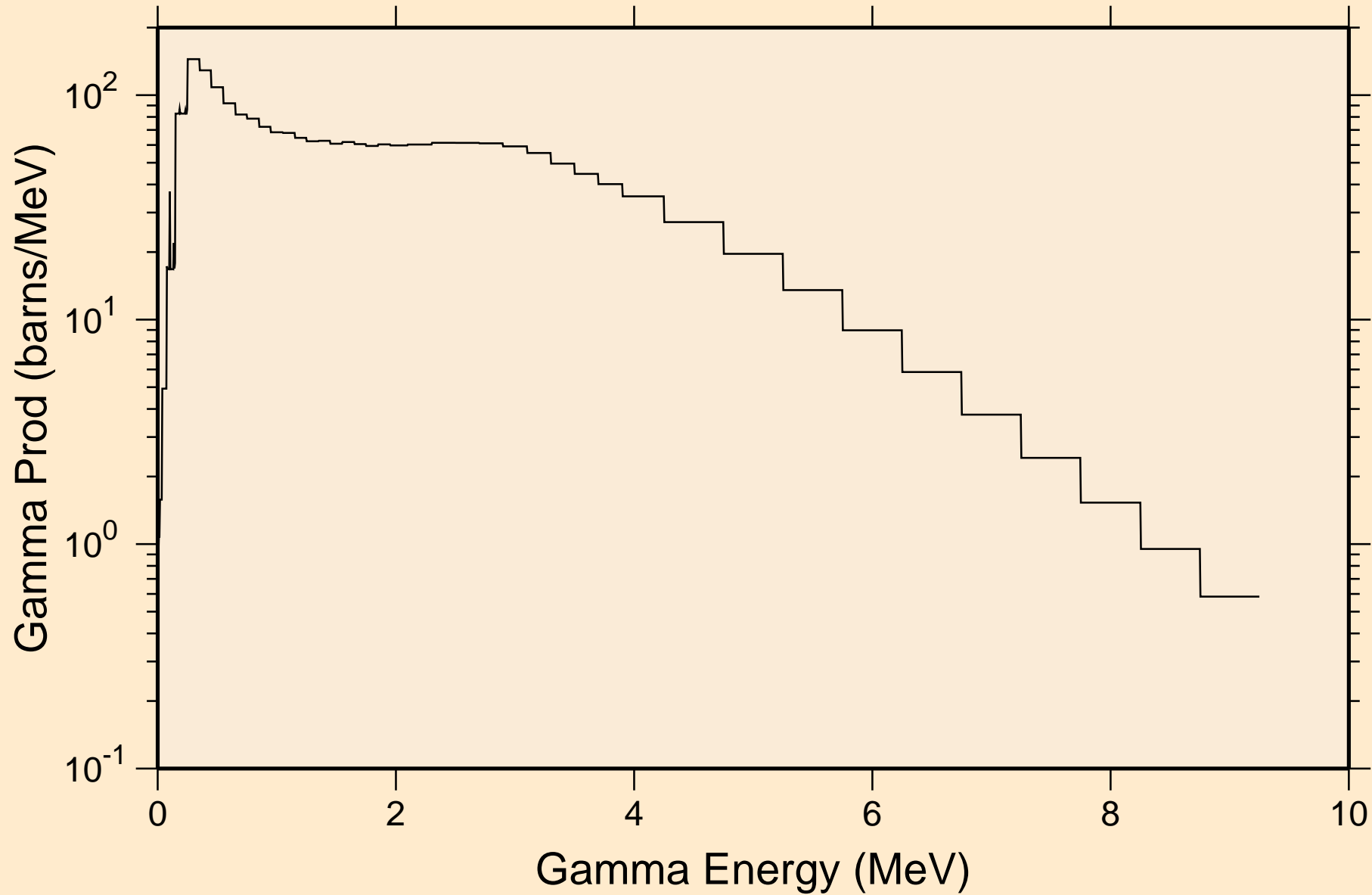
CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,pt)



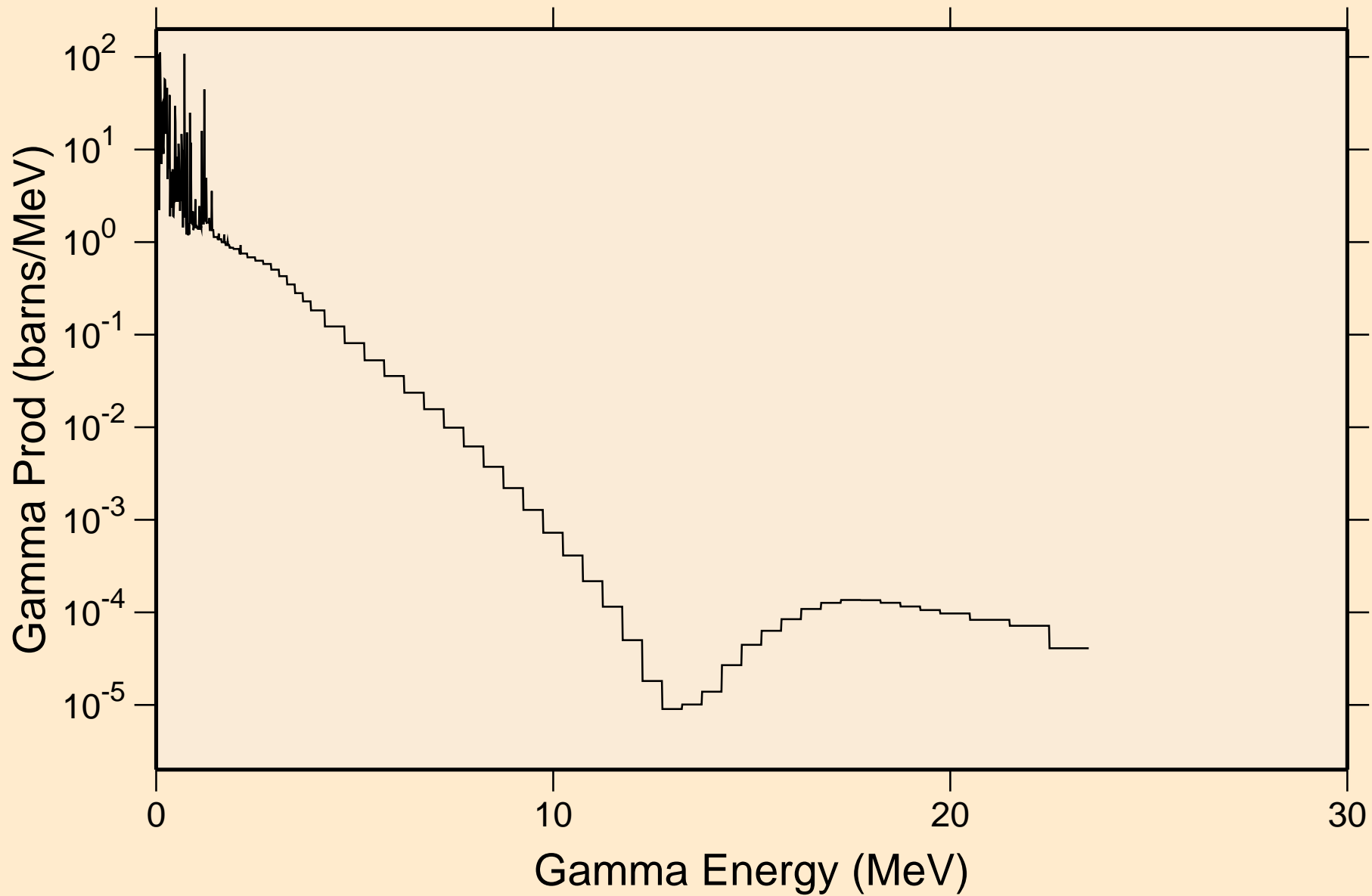
CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,da)



CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
thermal capture photon spectrum

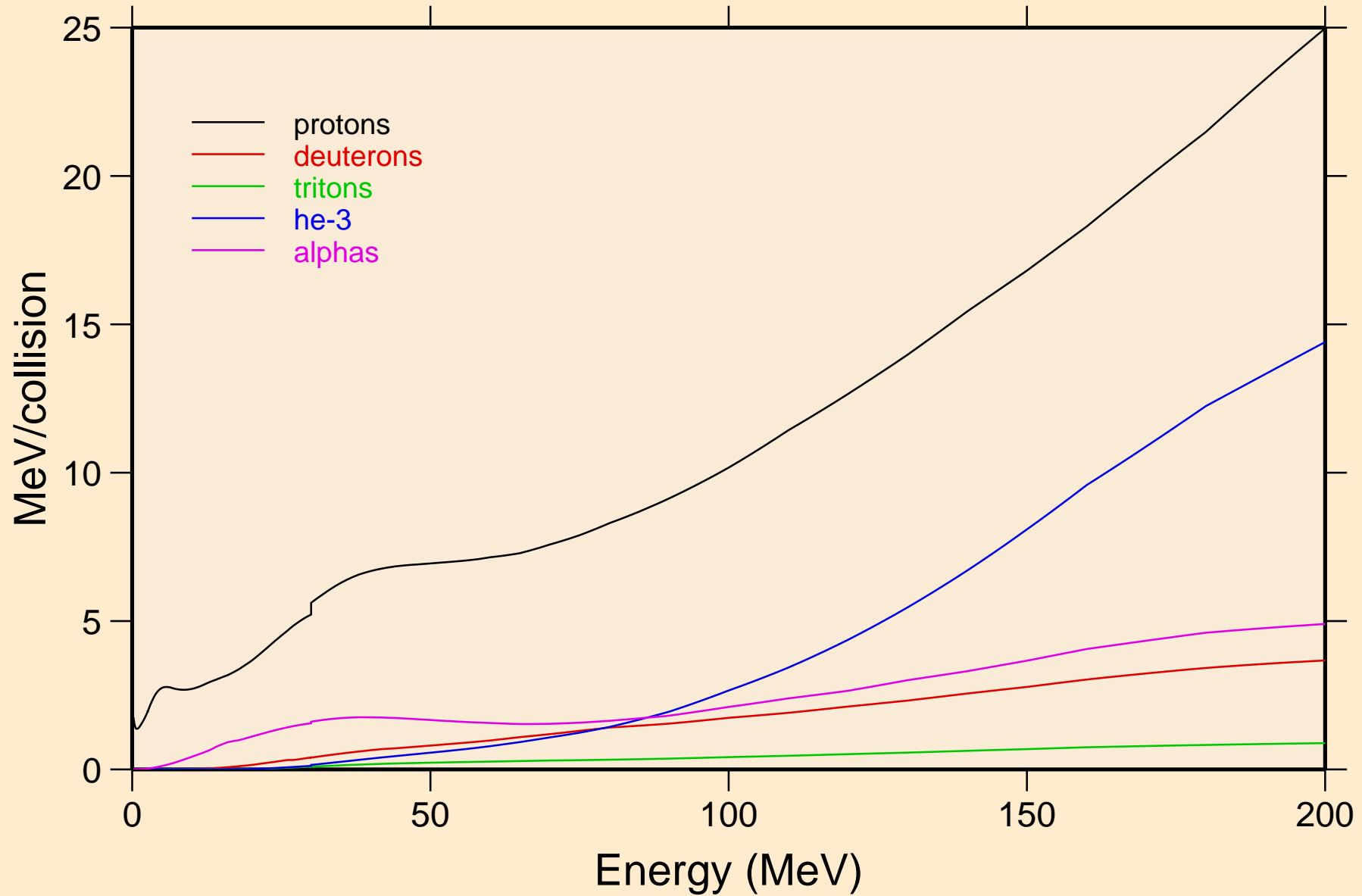


CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
14 MeV photon spectrum

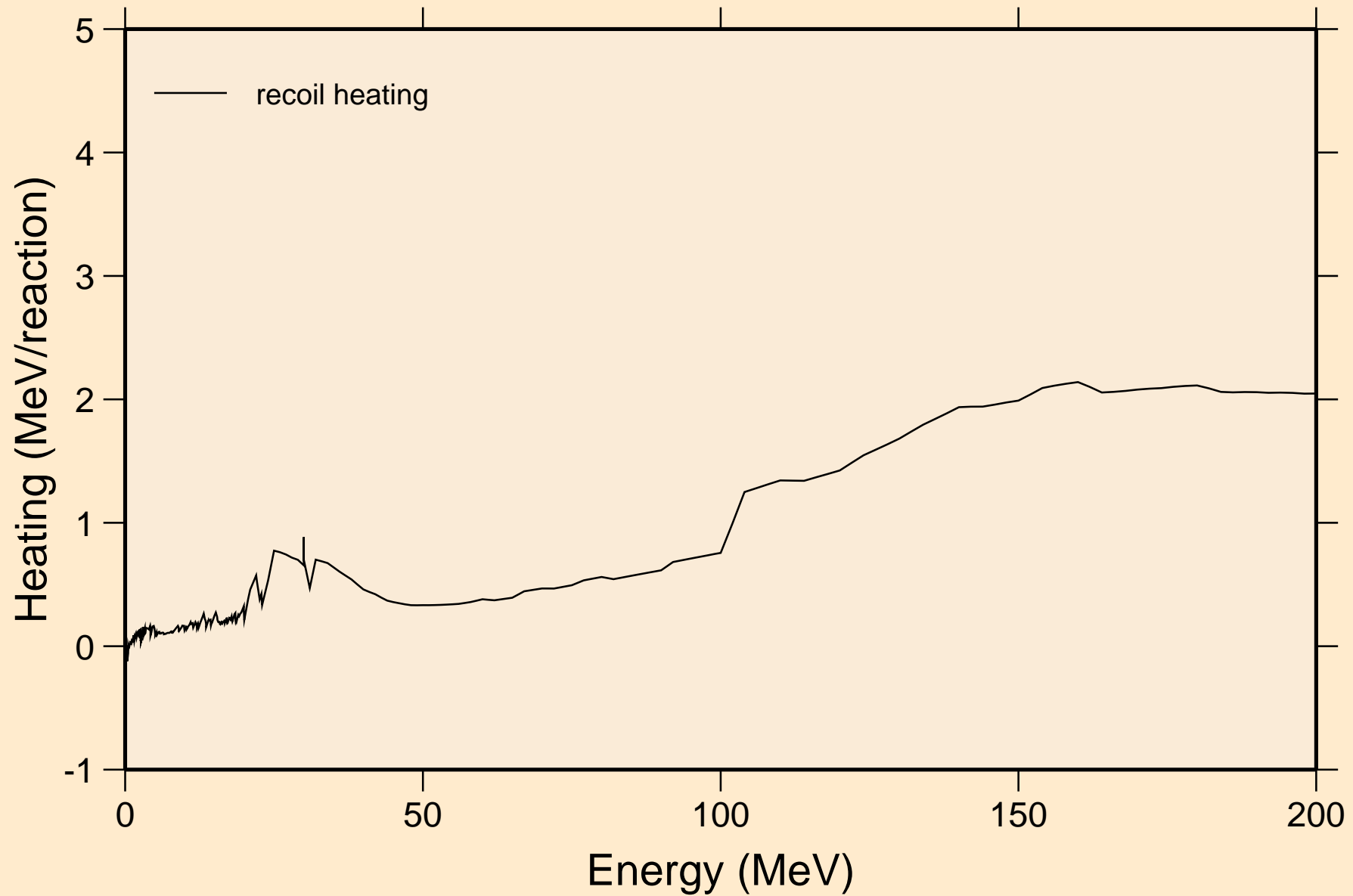


# CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Particle heating contributions

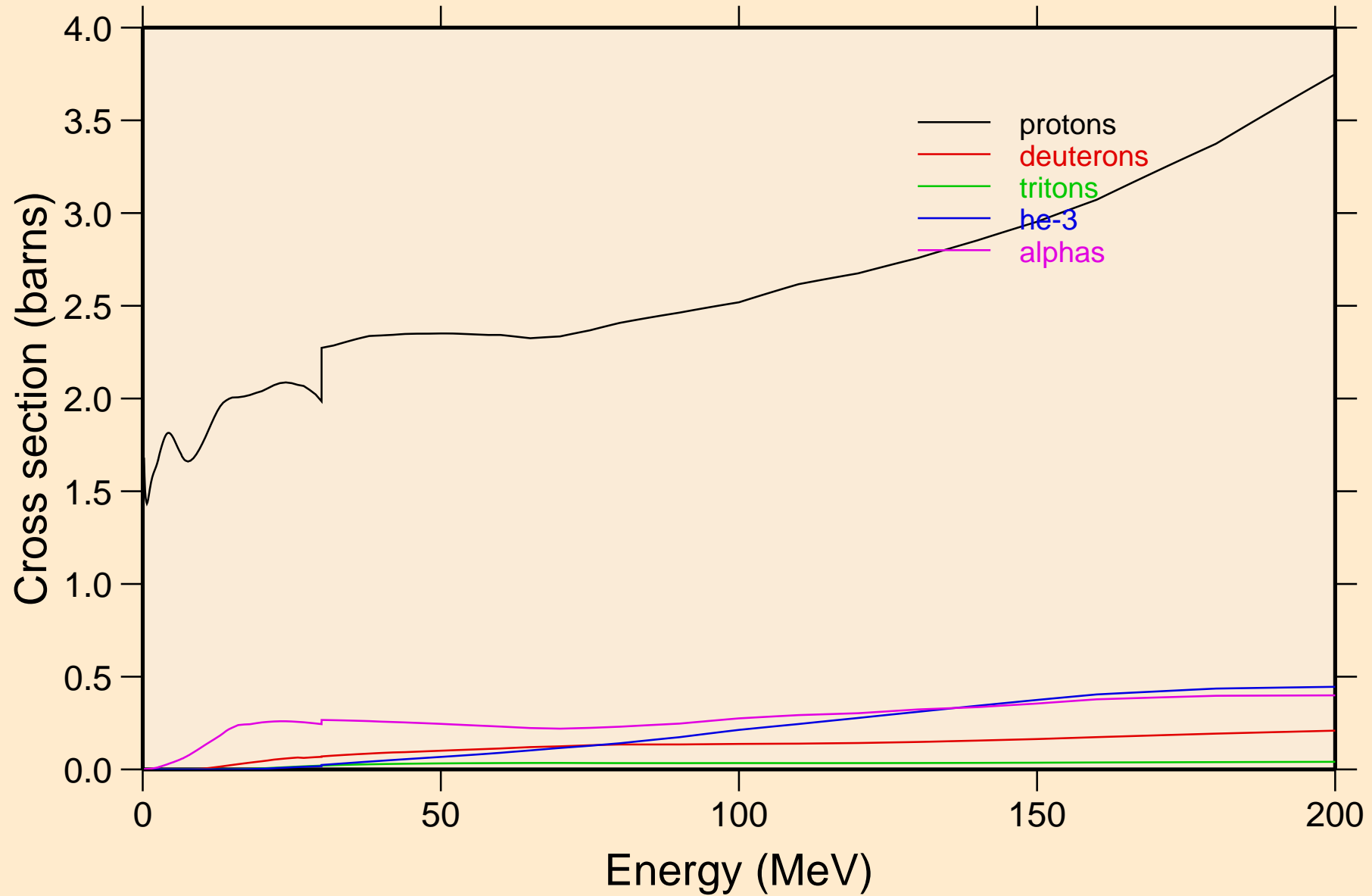


CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Recoil Heating

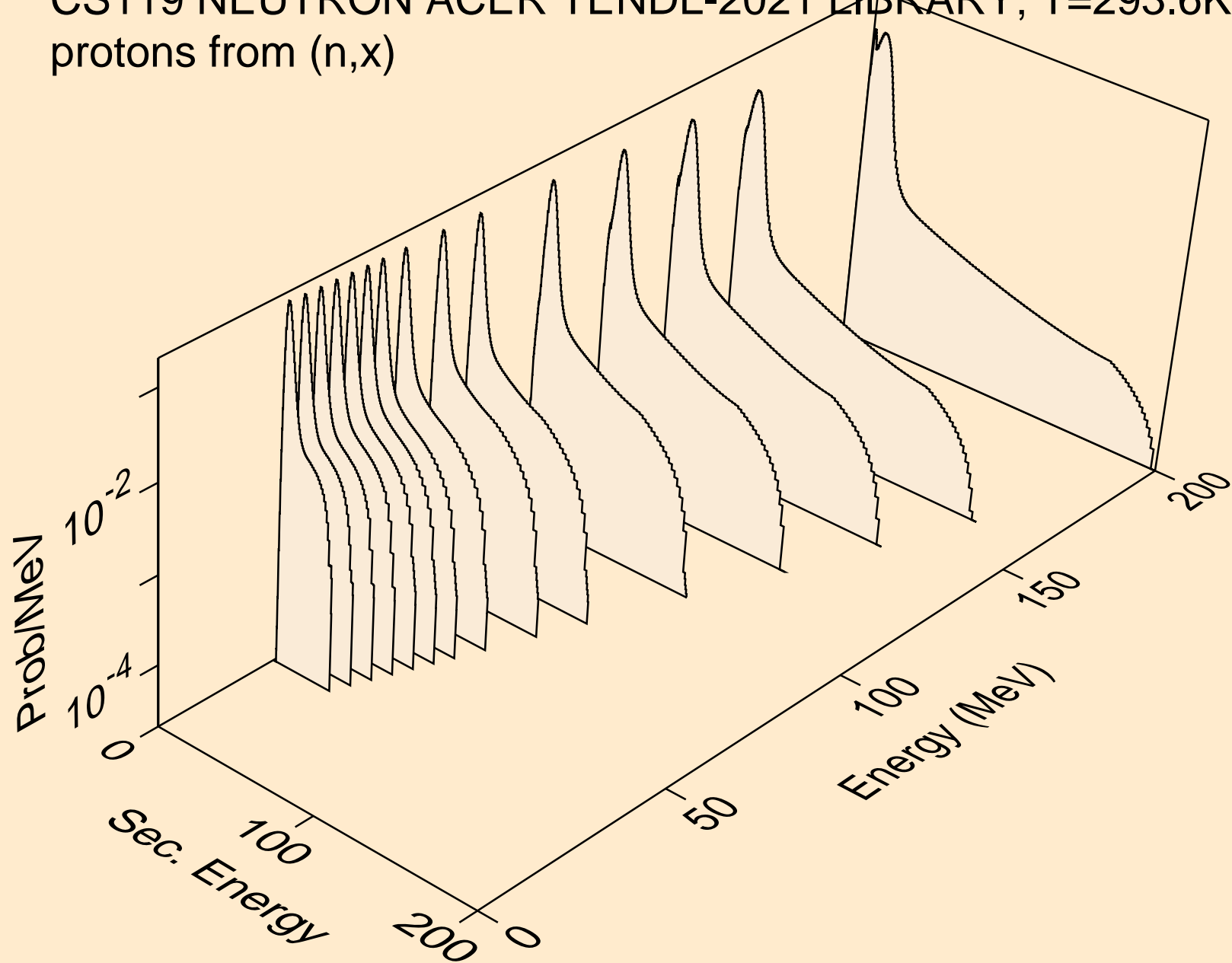




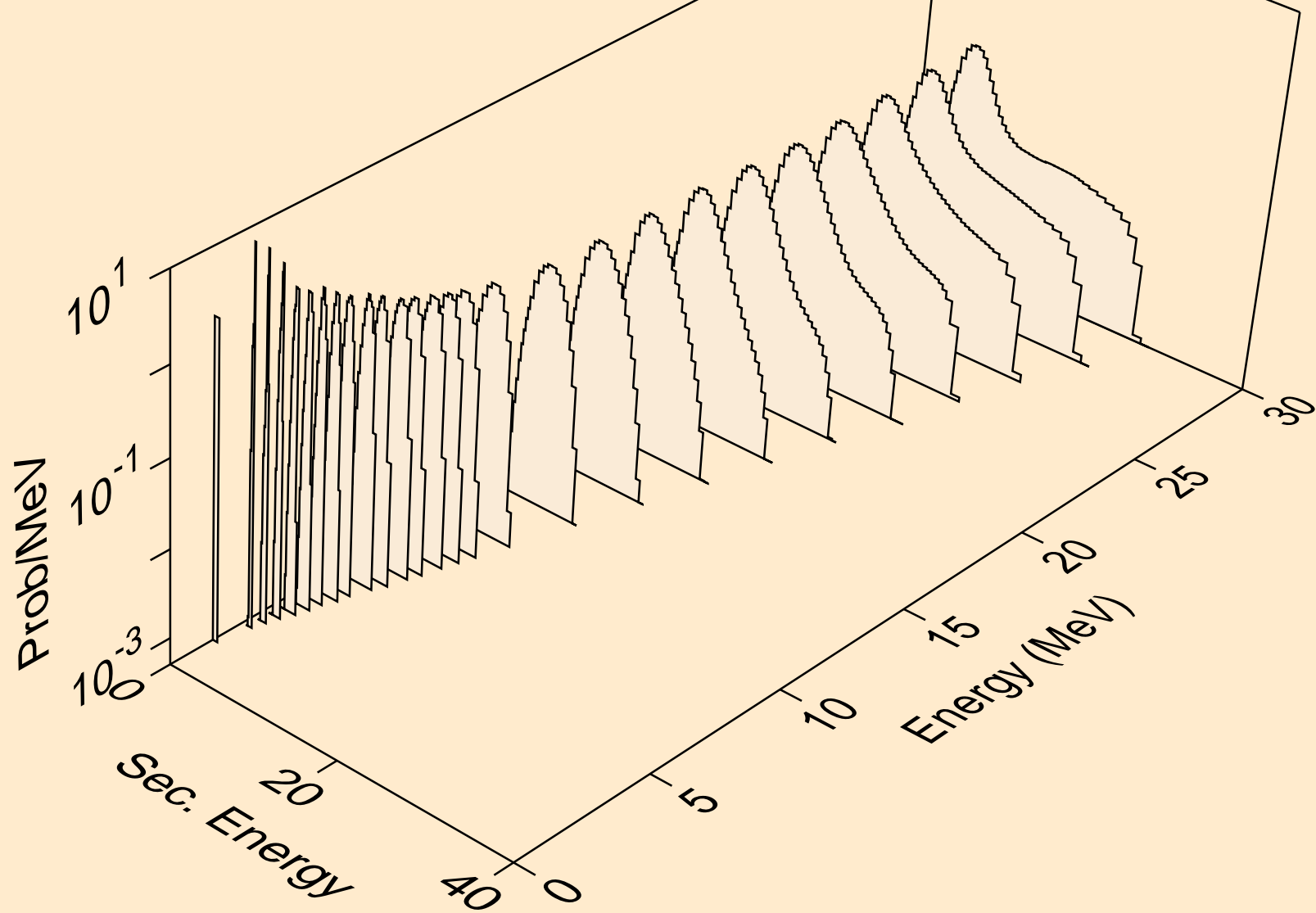
CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Particle production cross sections



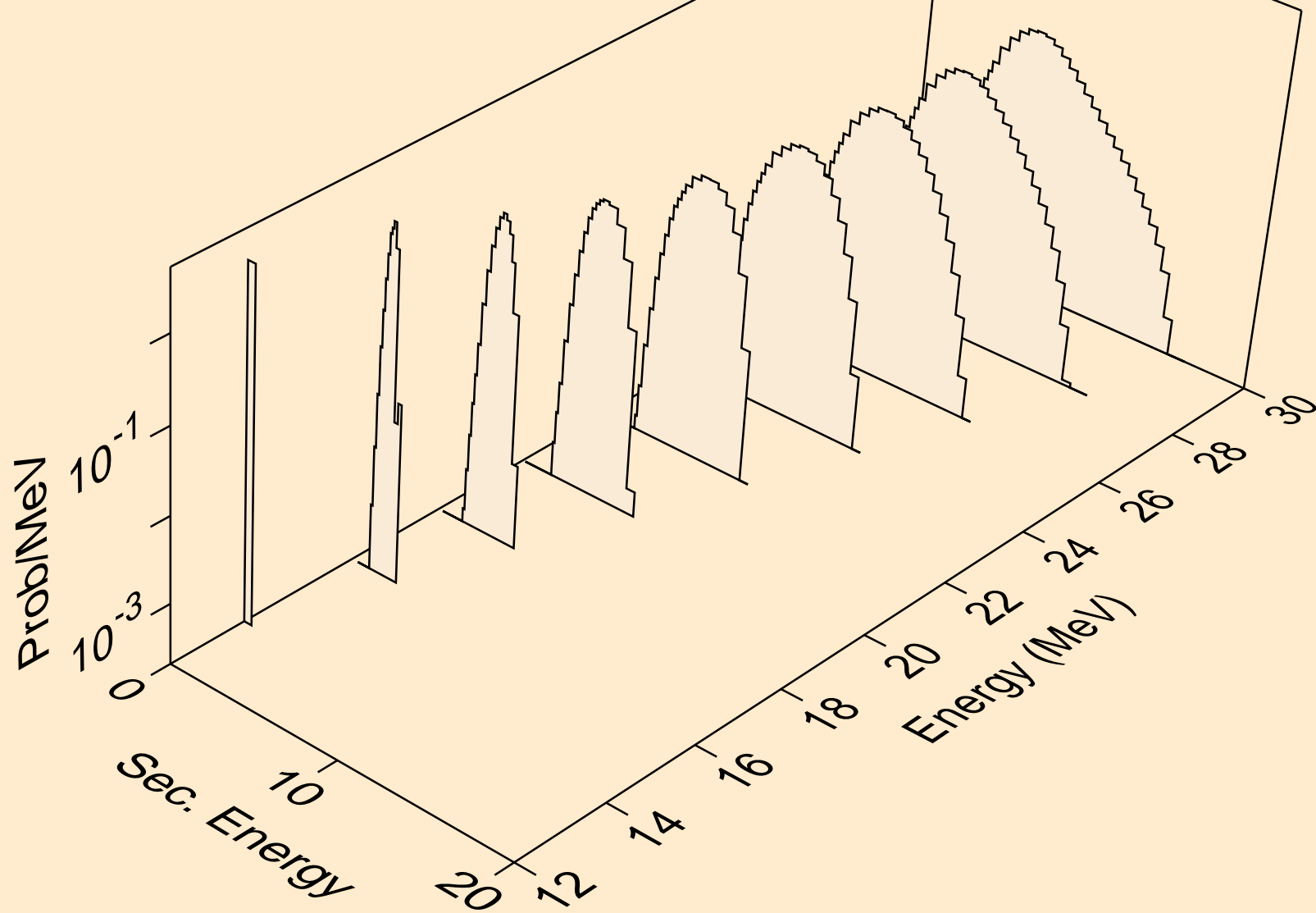
CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,x)



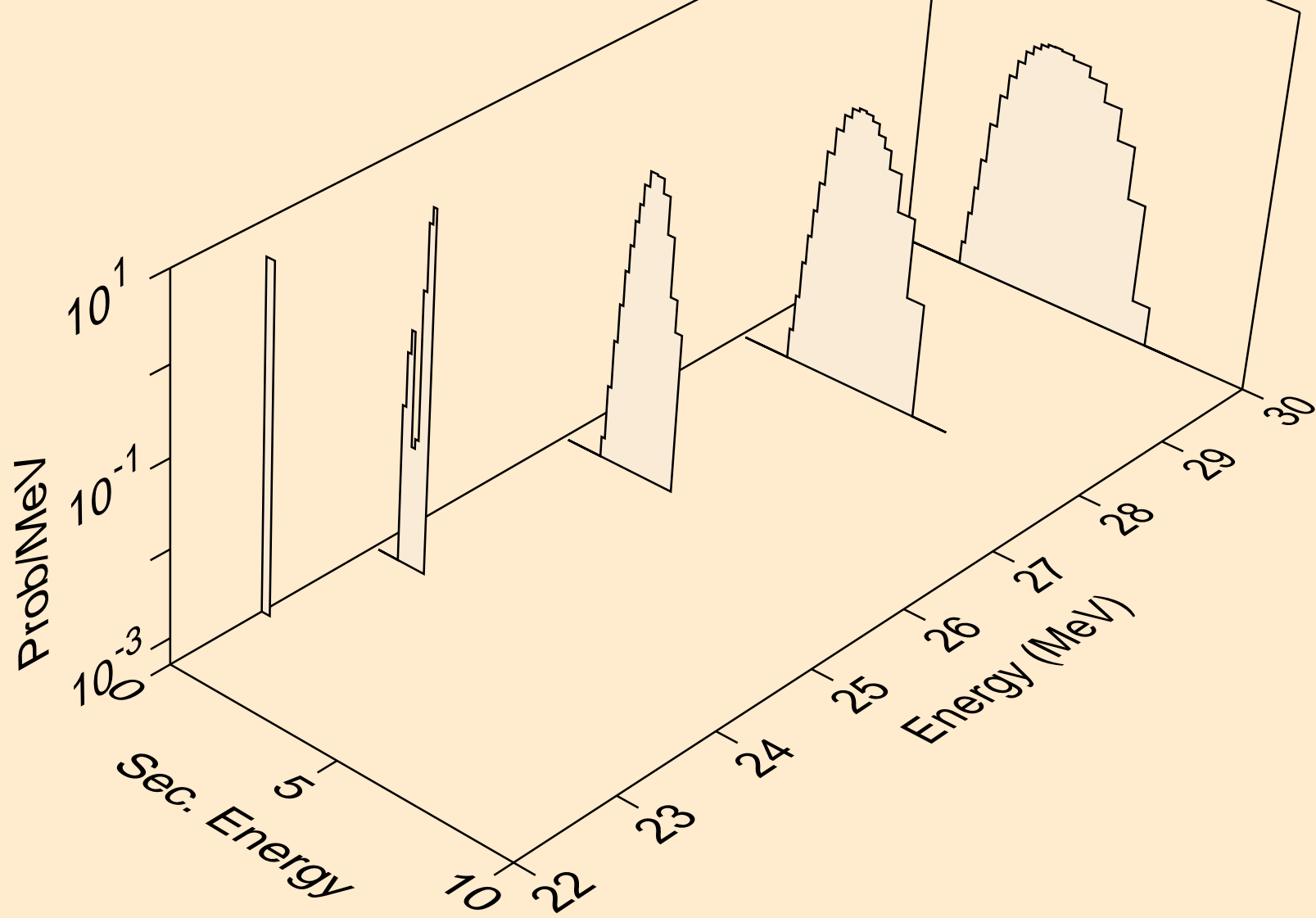
CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,n\*)p



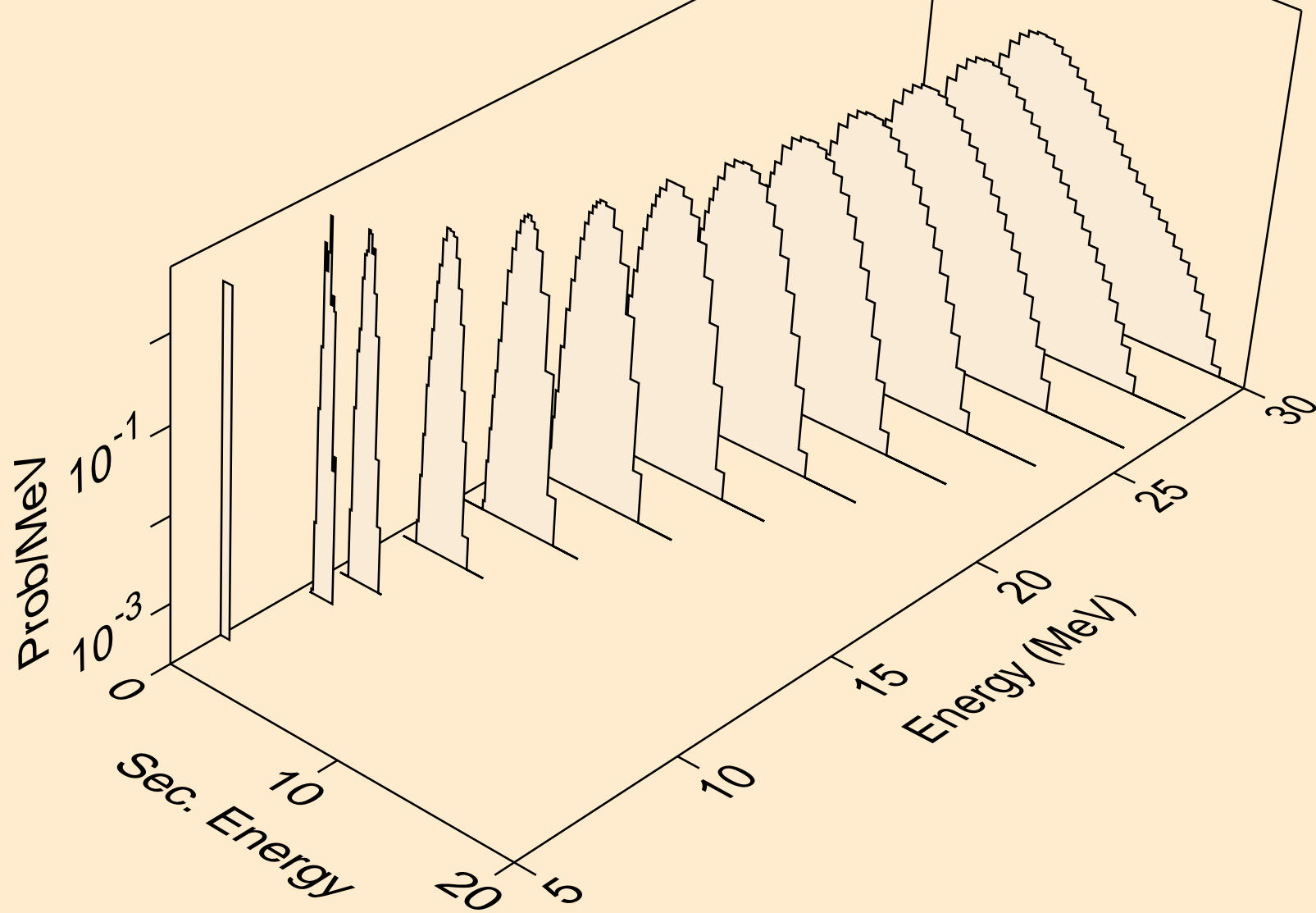
CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
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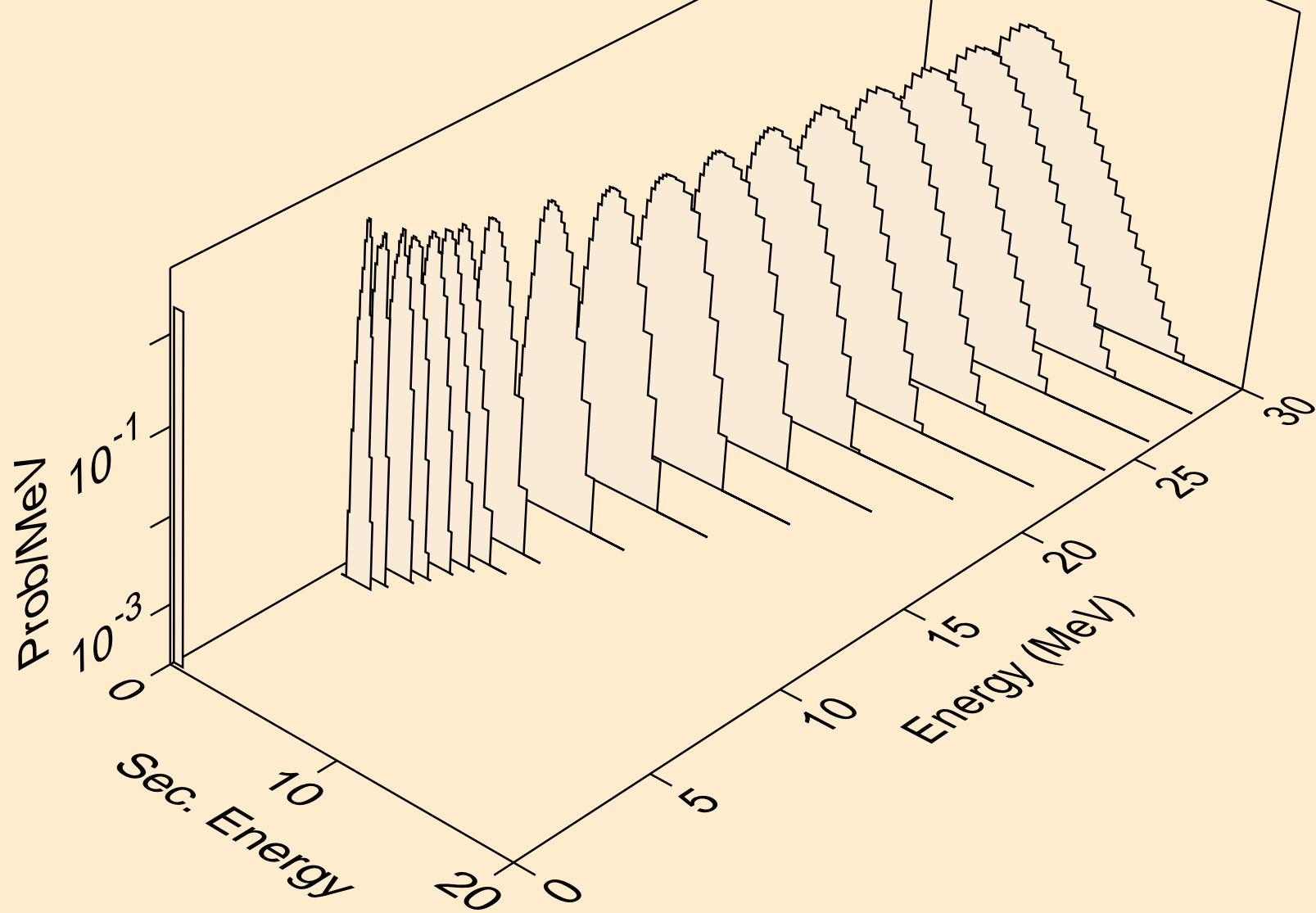
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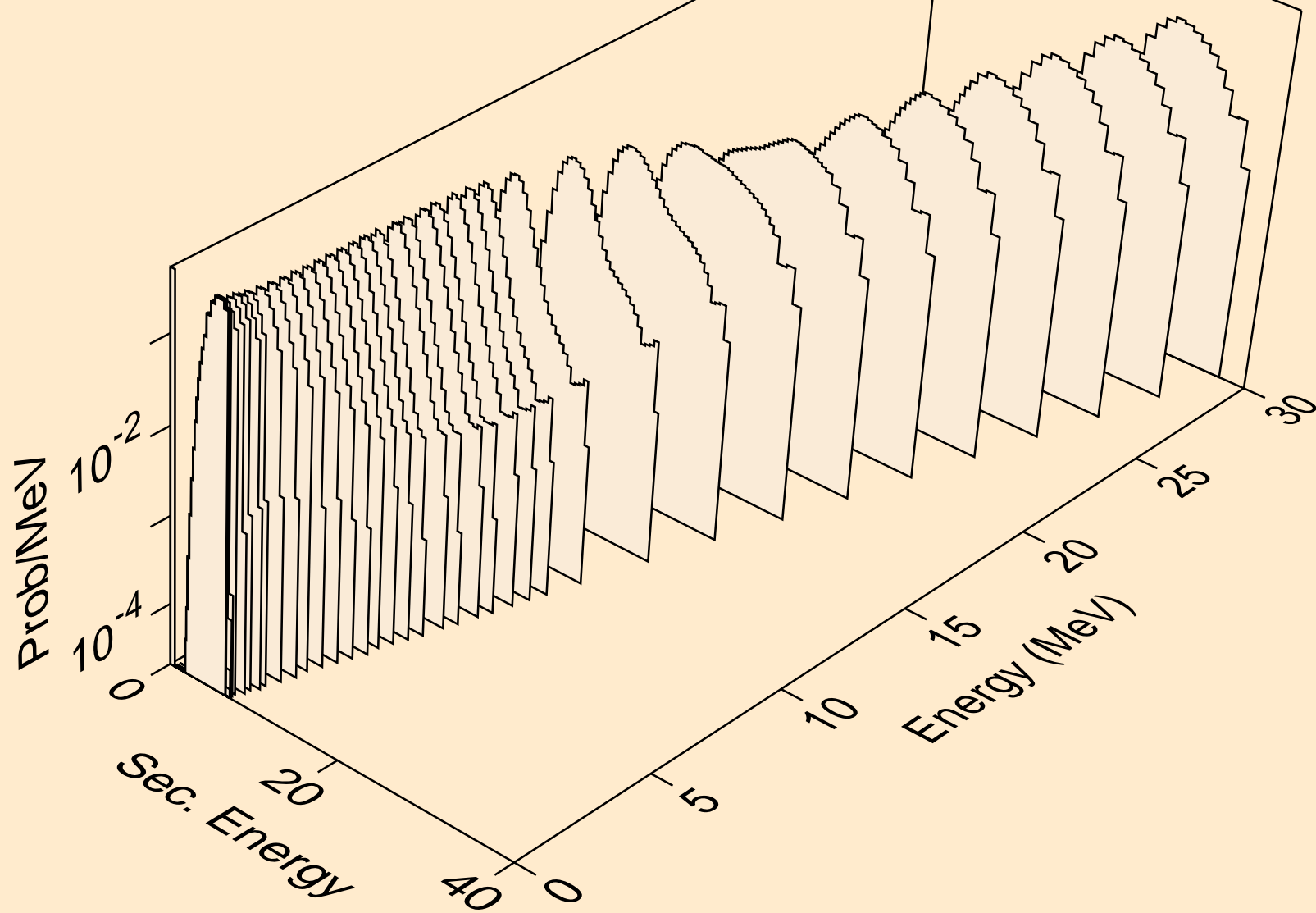
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CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,npa)

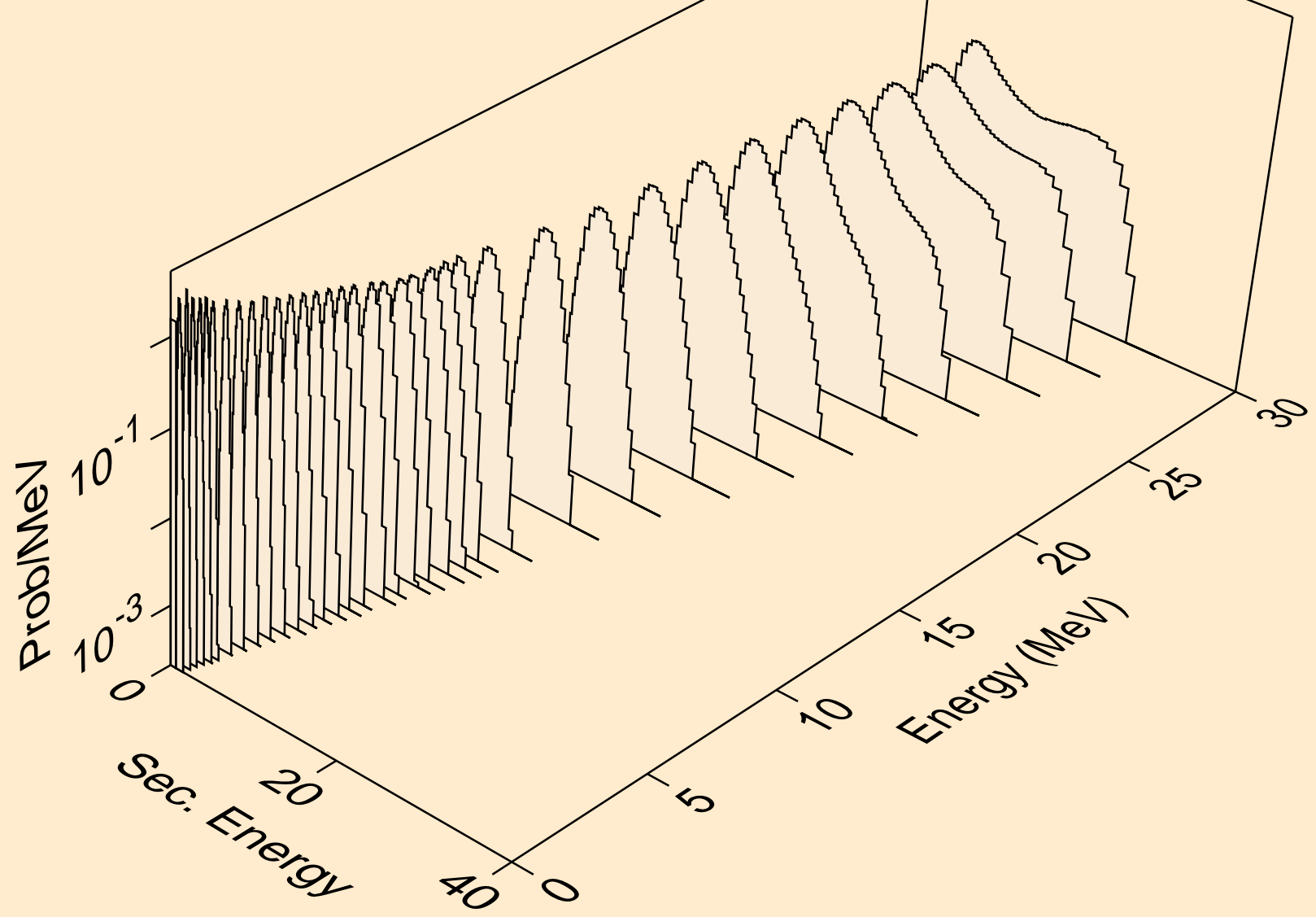


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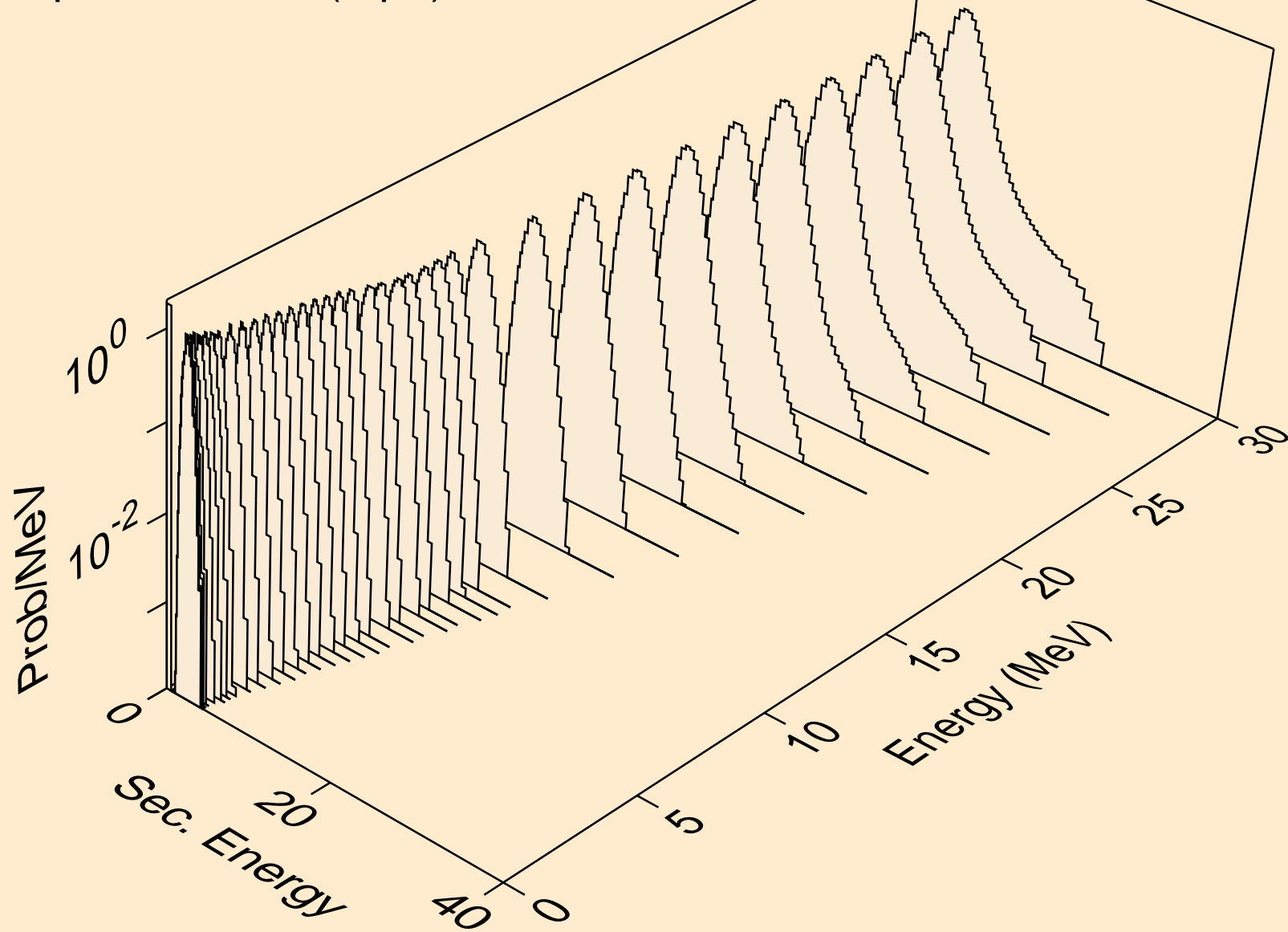




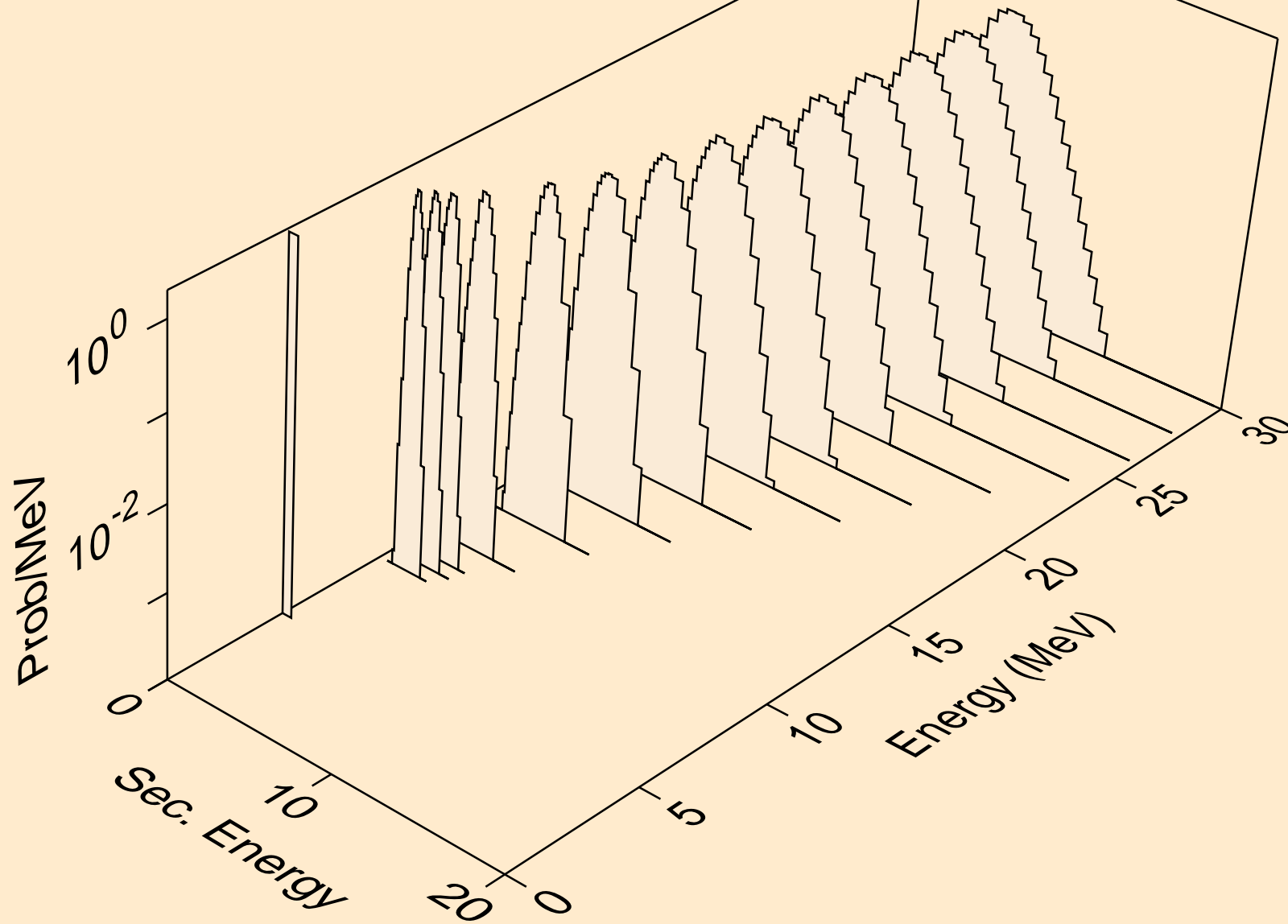
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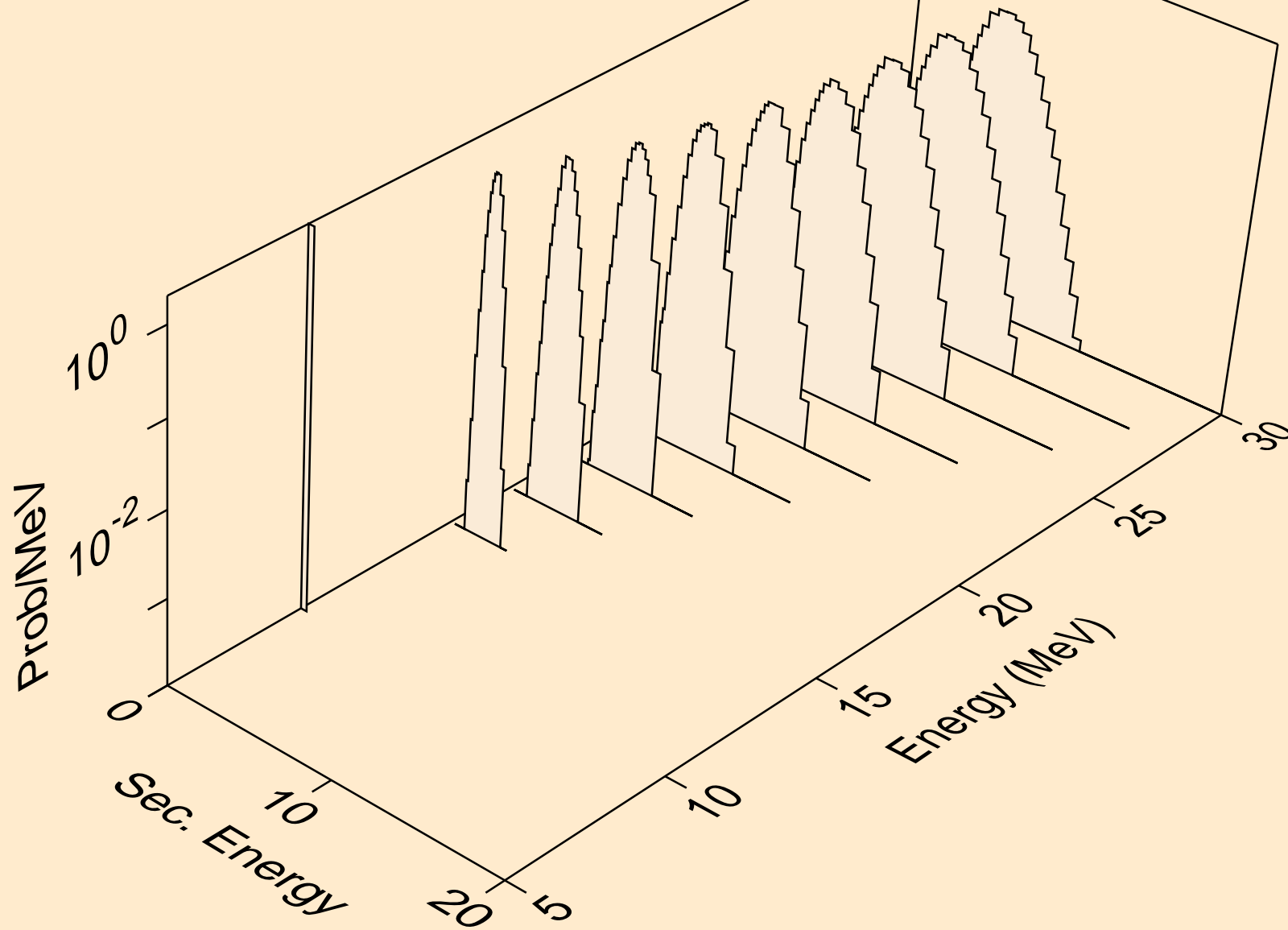
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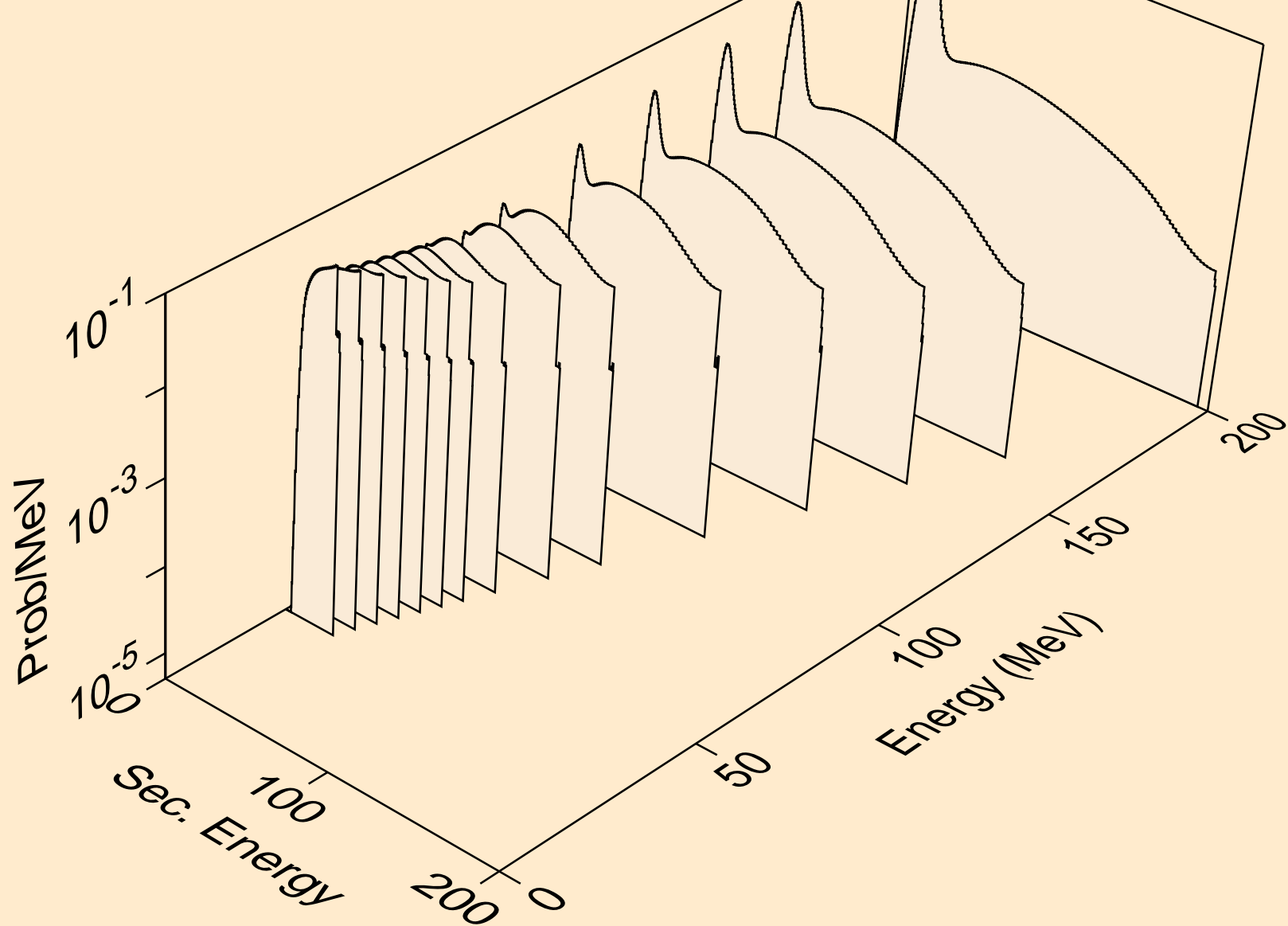
CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,pd)



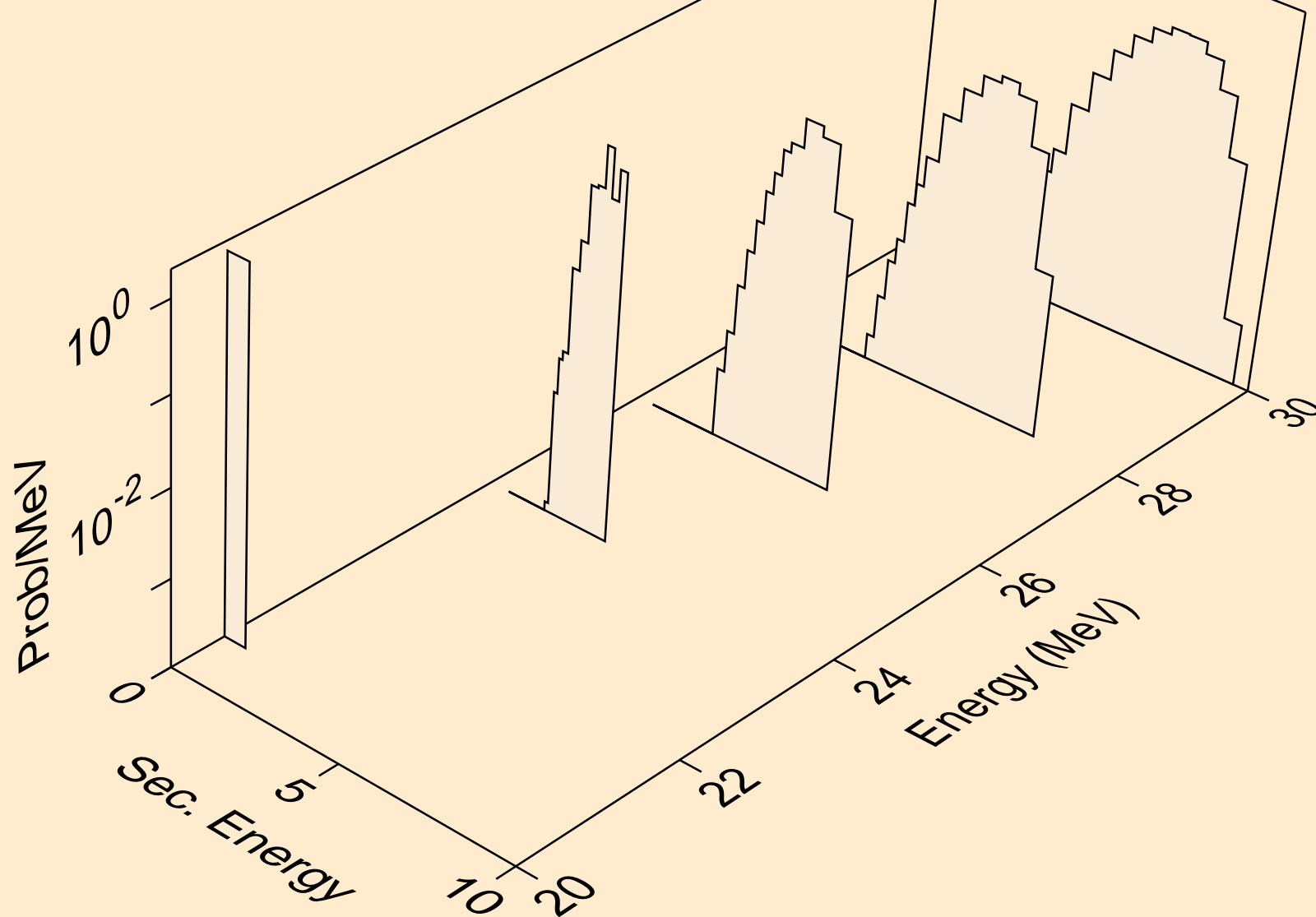
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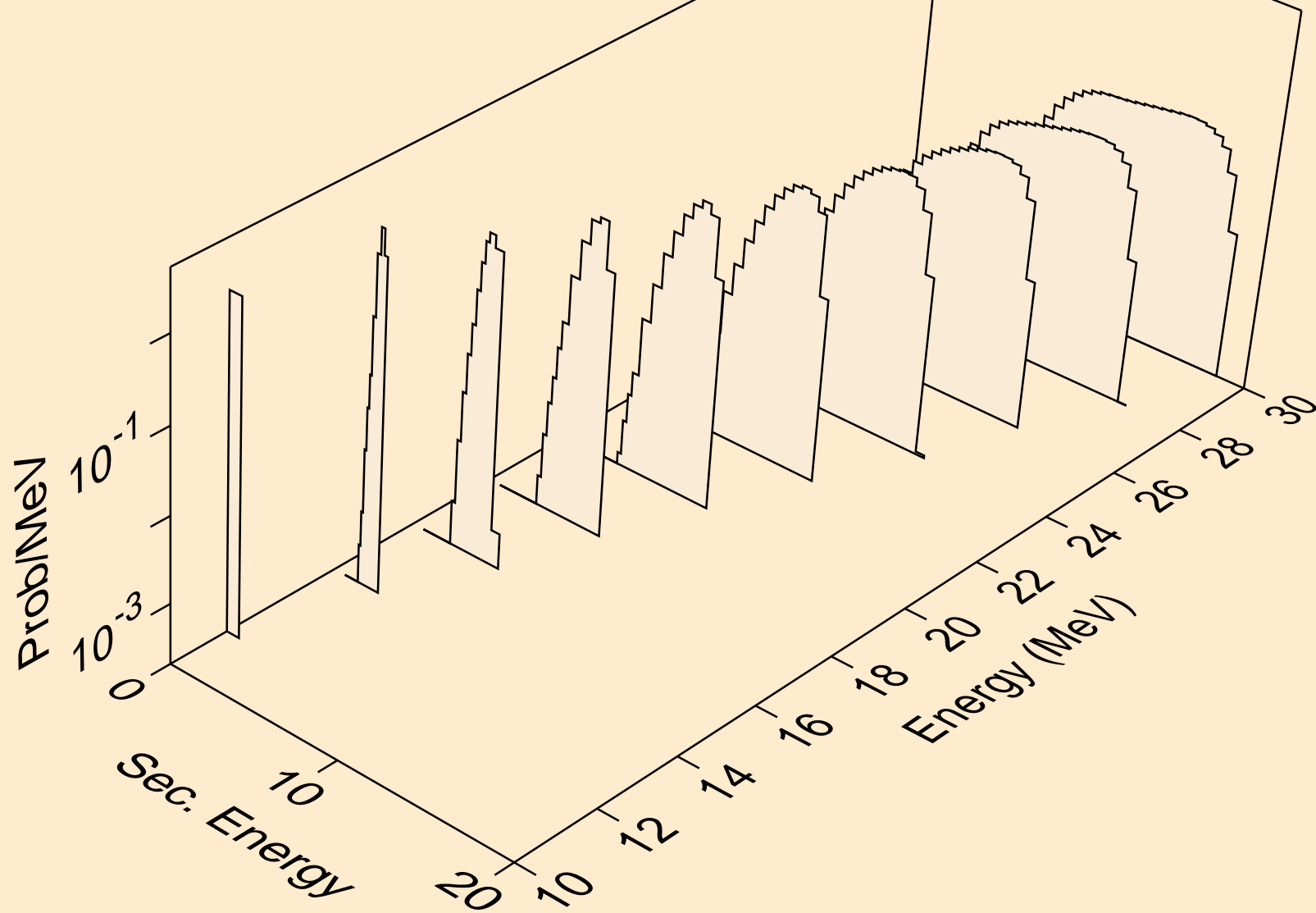
CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,x)



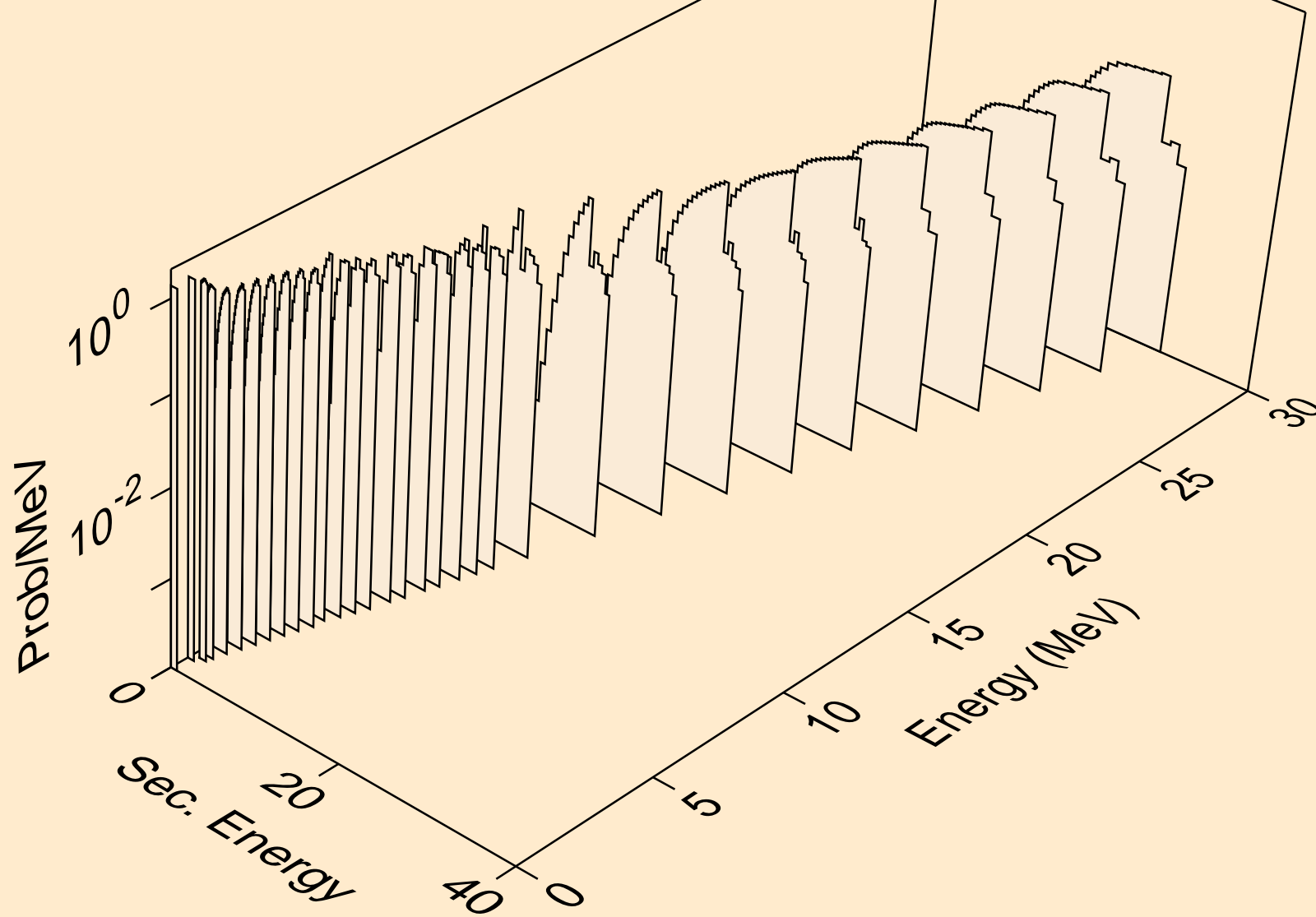
CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,2nd)



CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,n\*)d

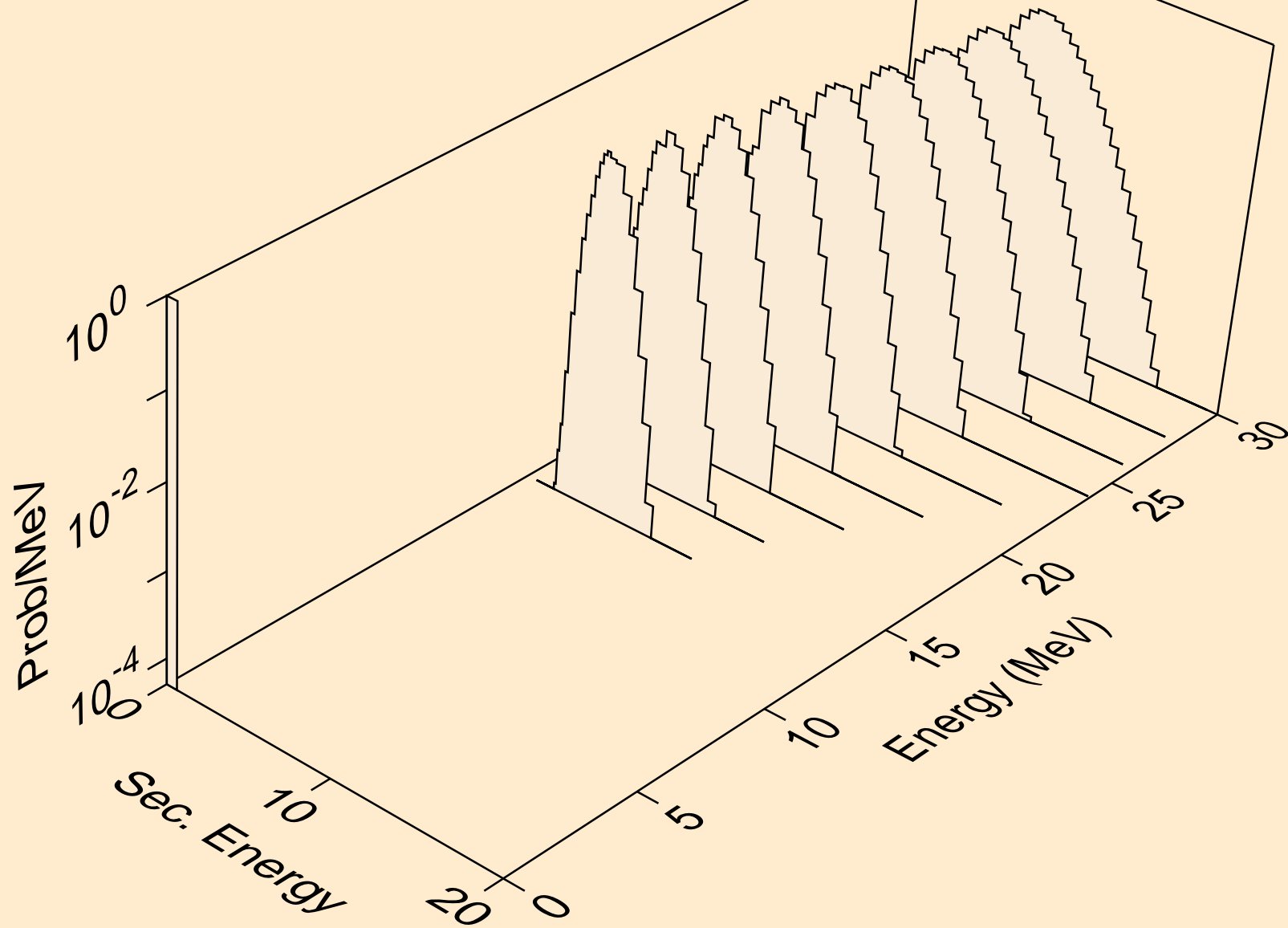


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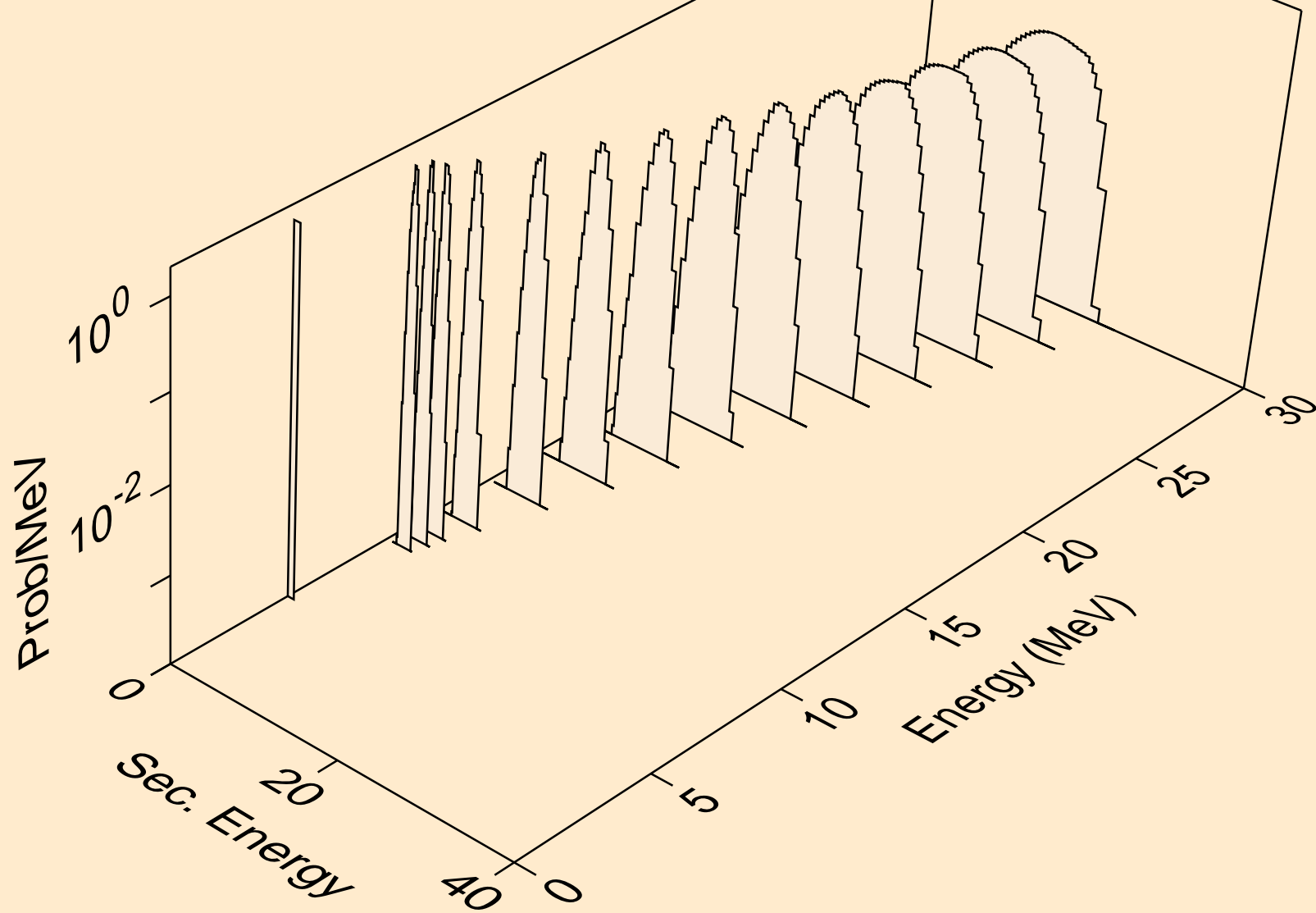




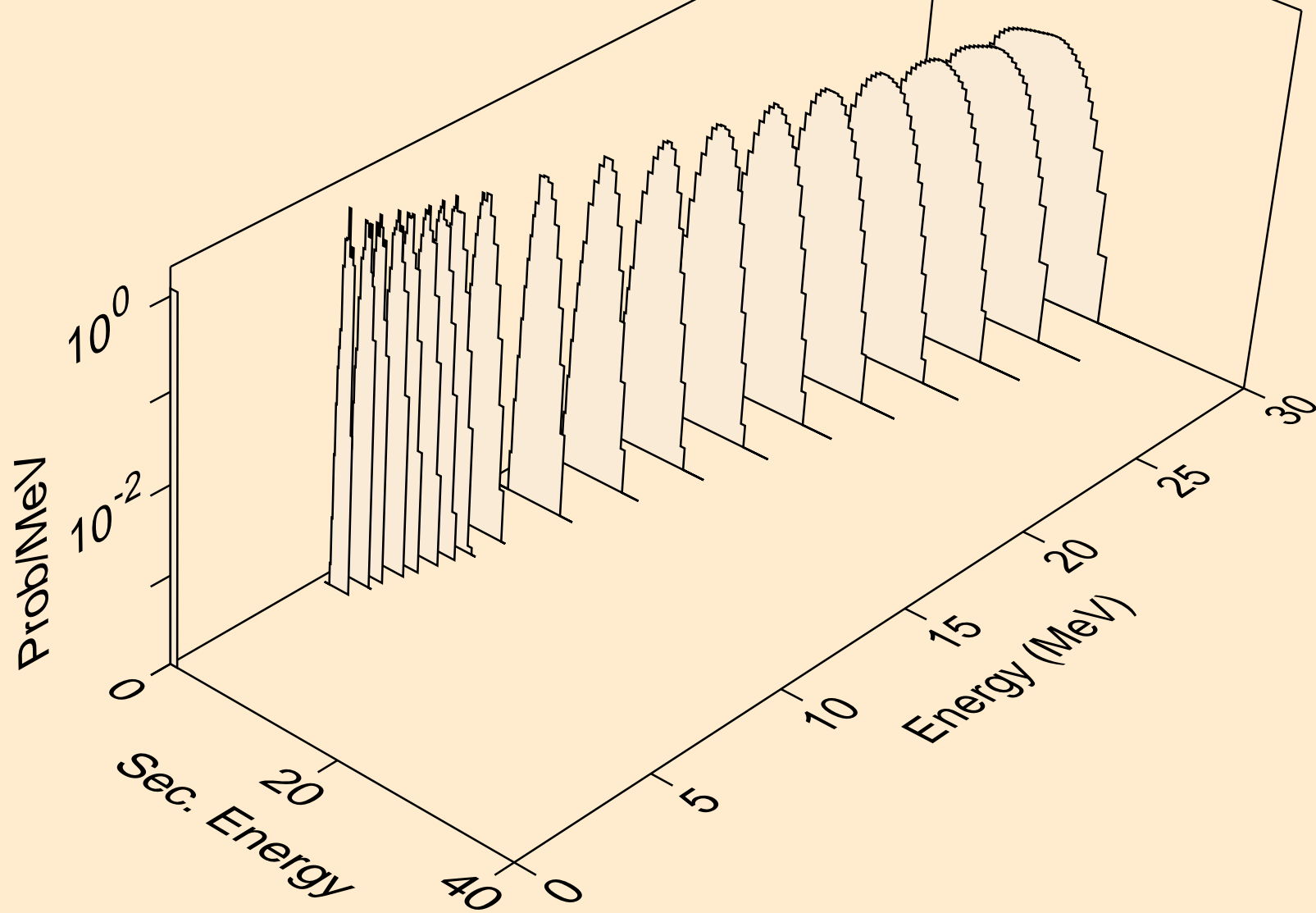
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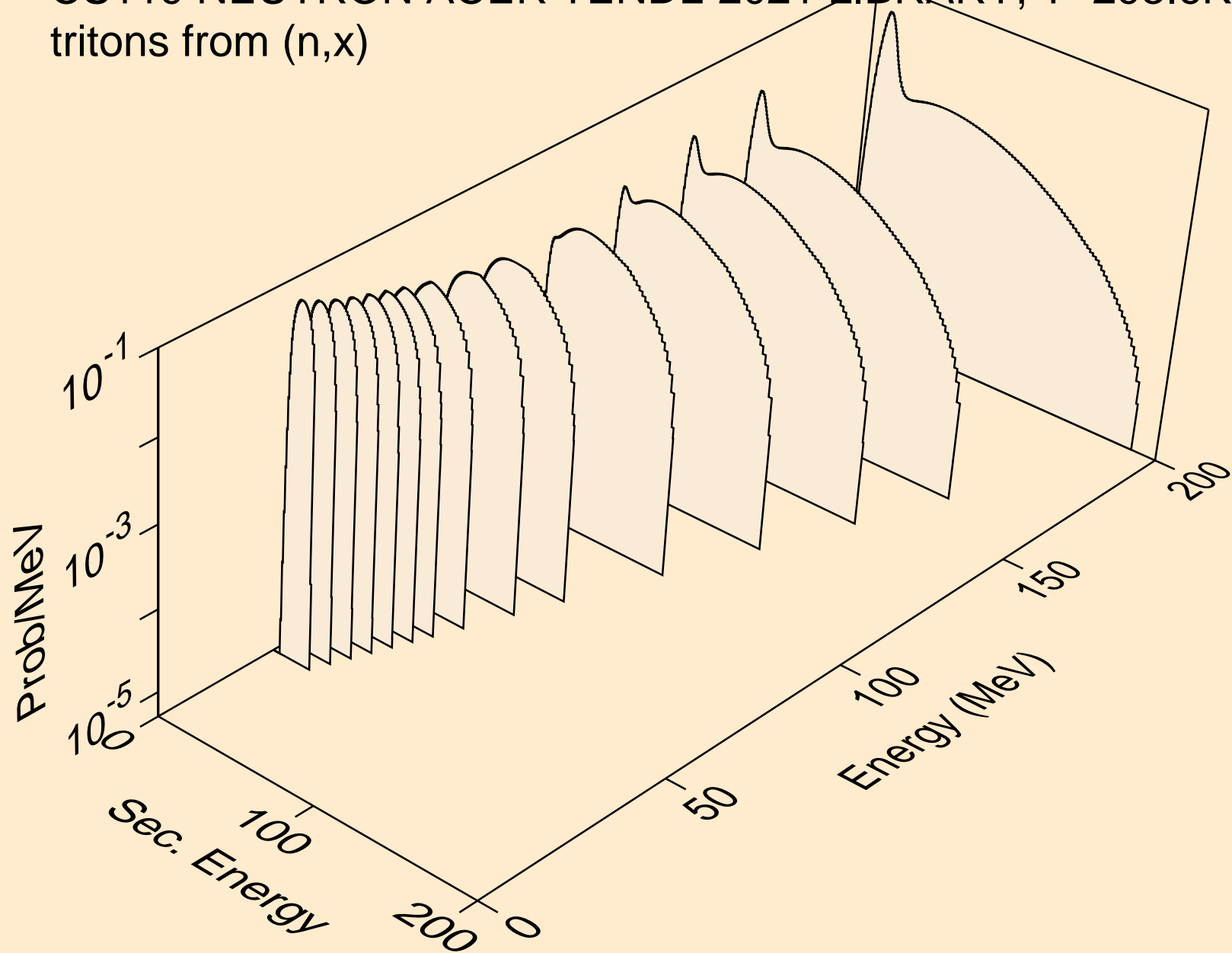
CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,pd)



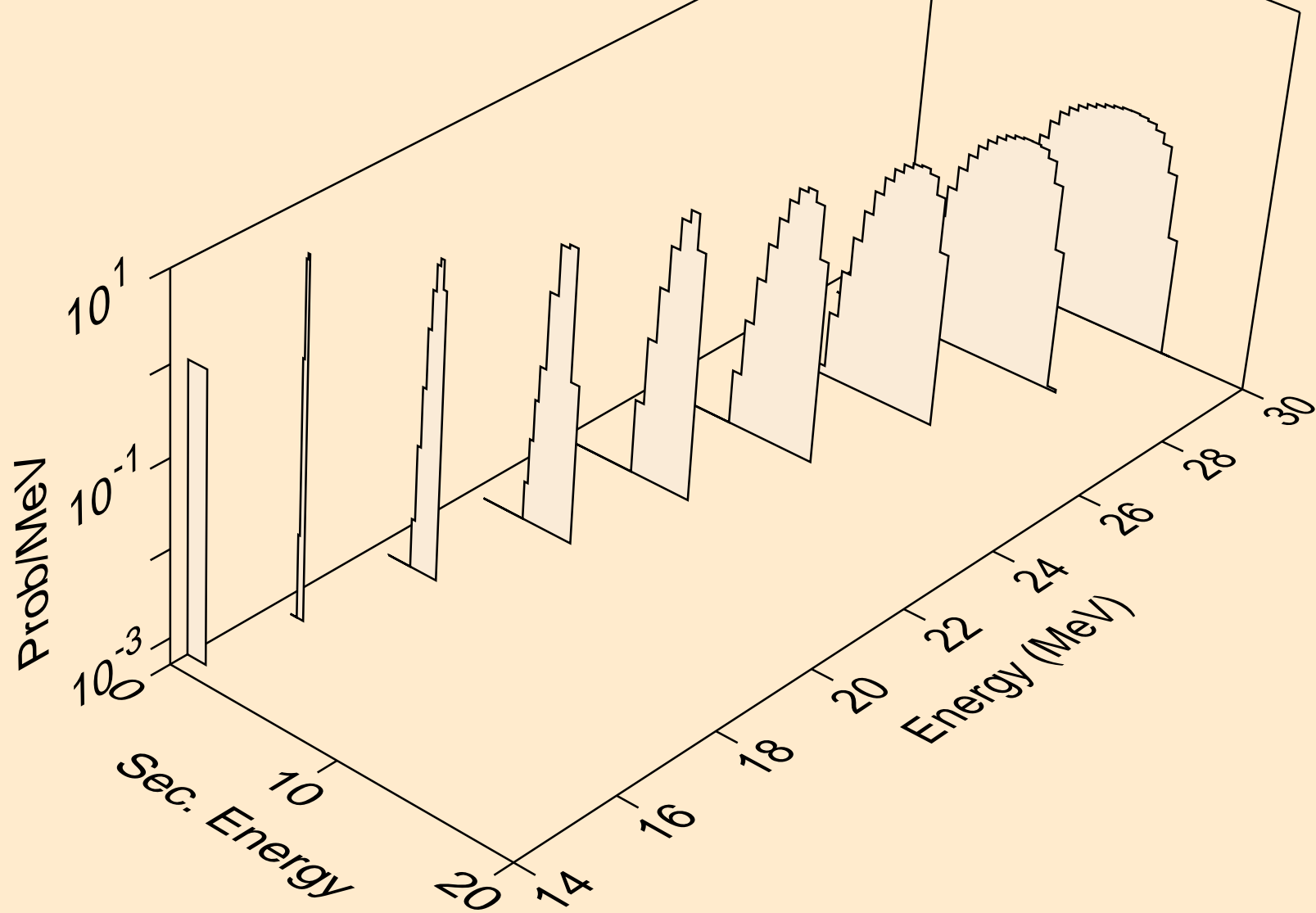
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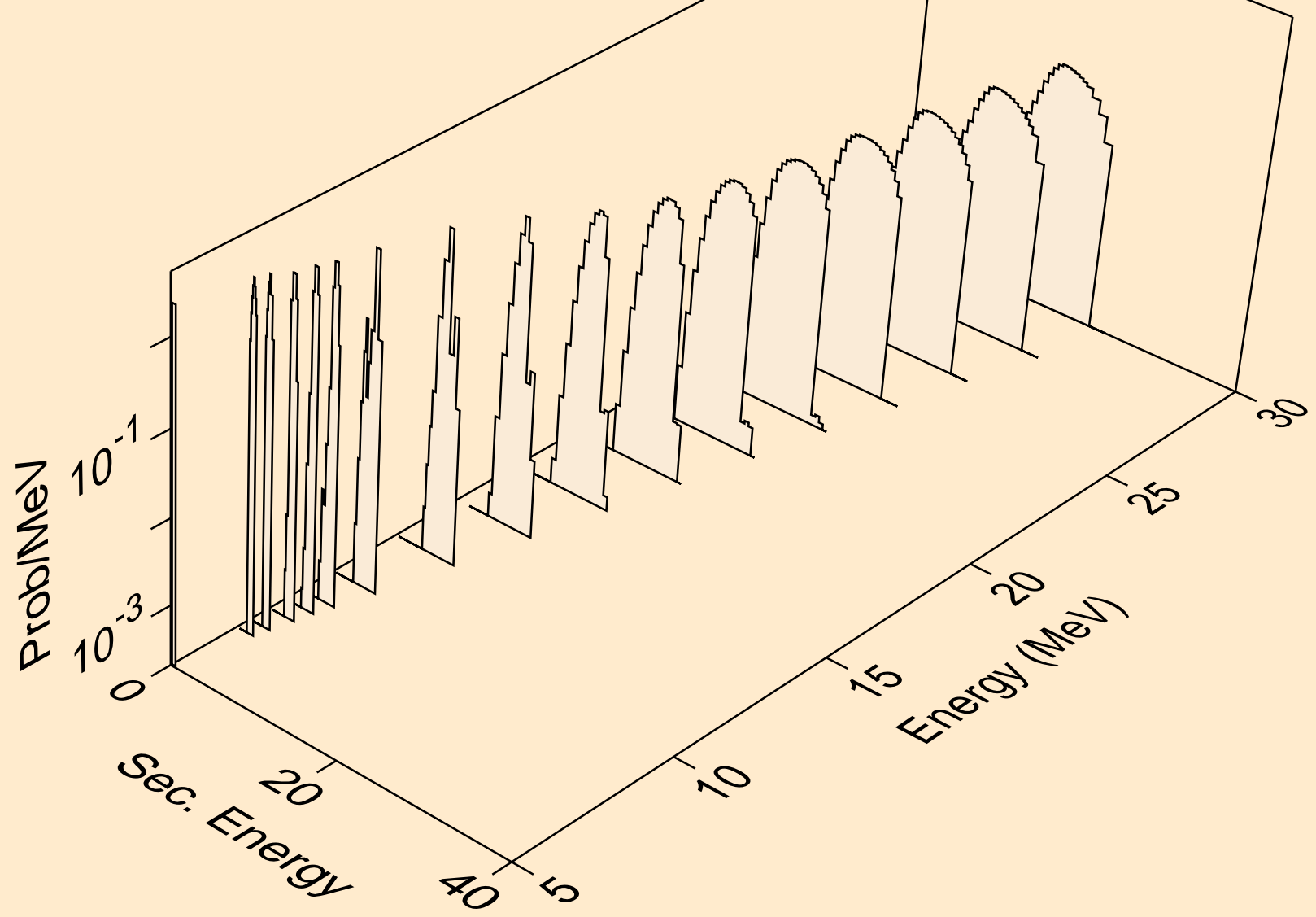
CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,x)



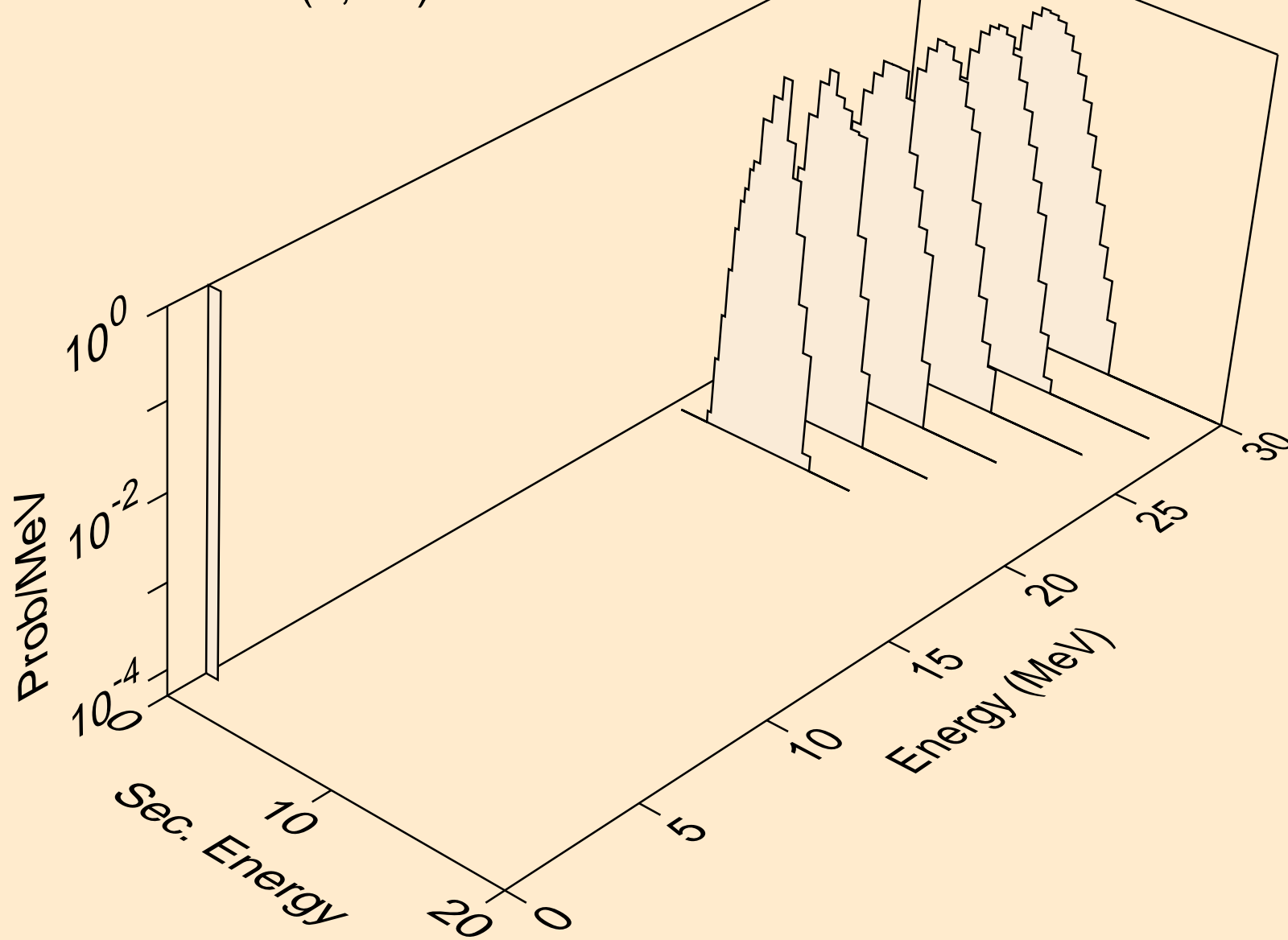
CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,n\*)t



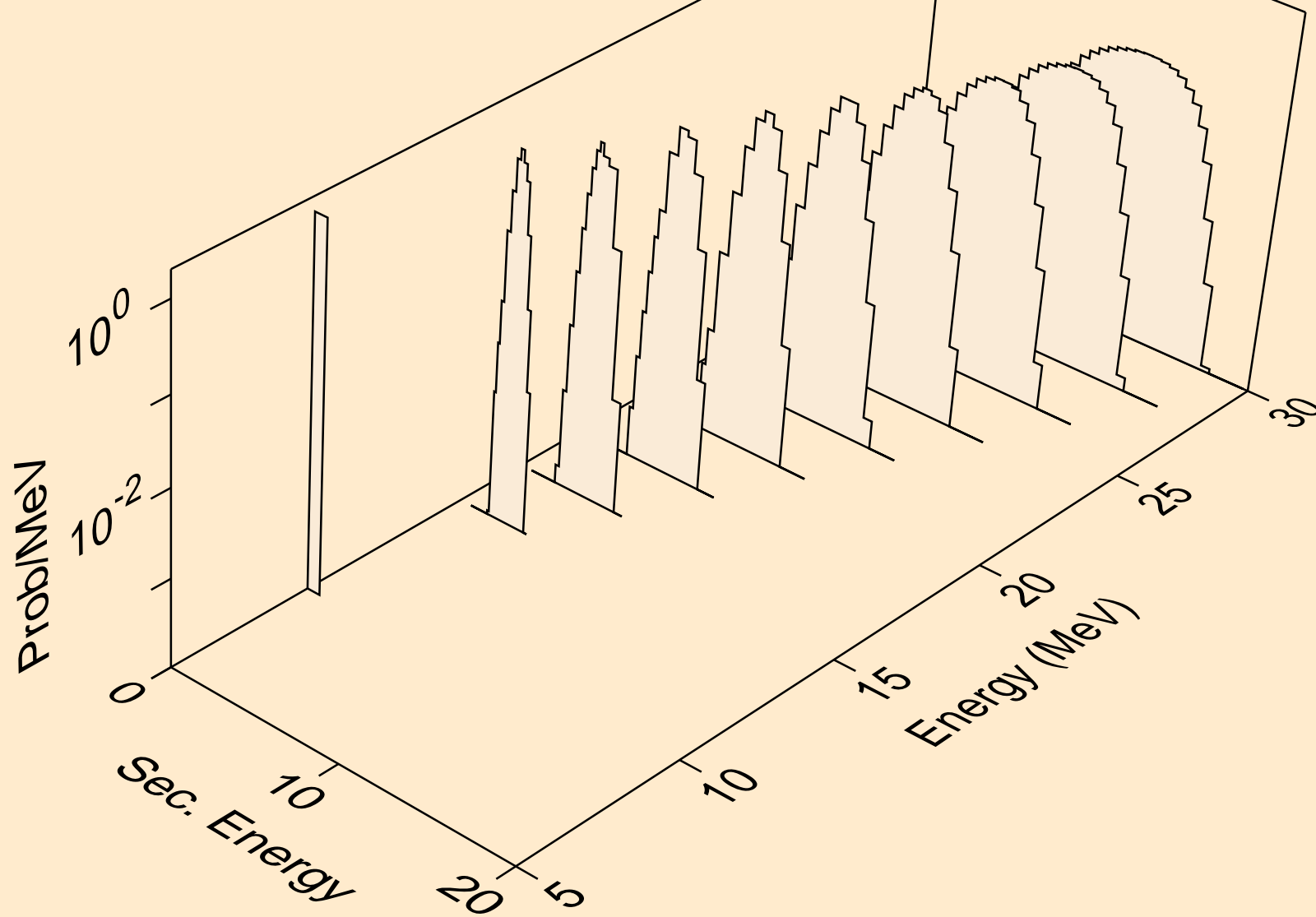
CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
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CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
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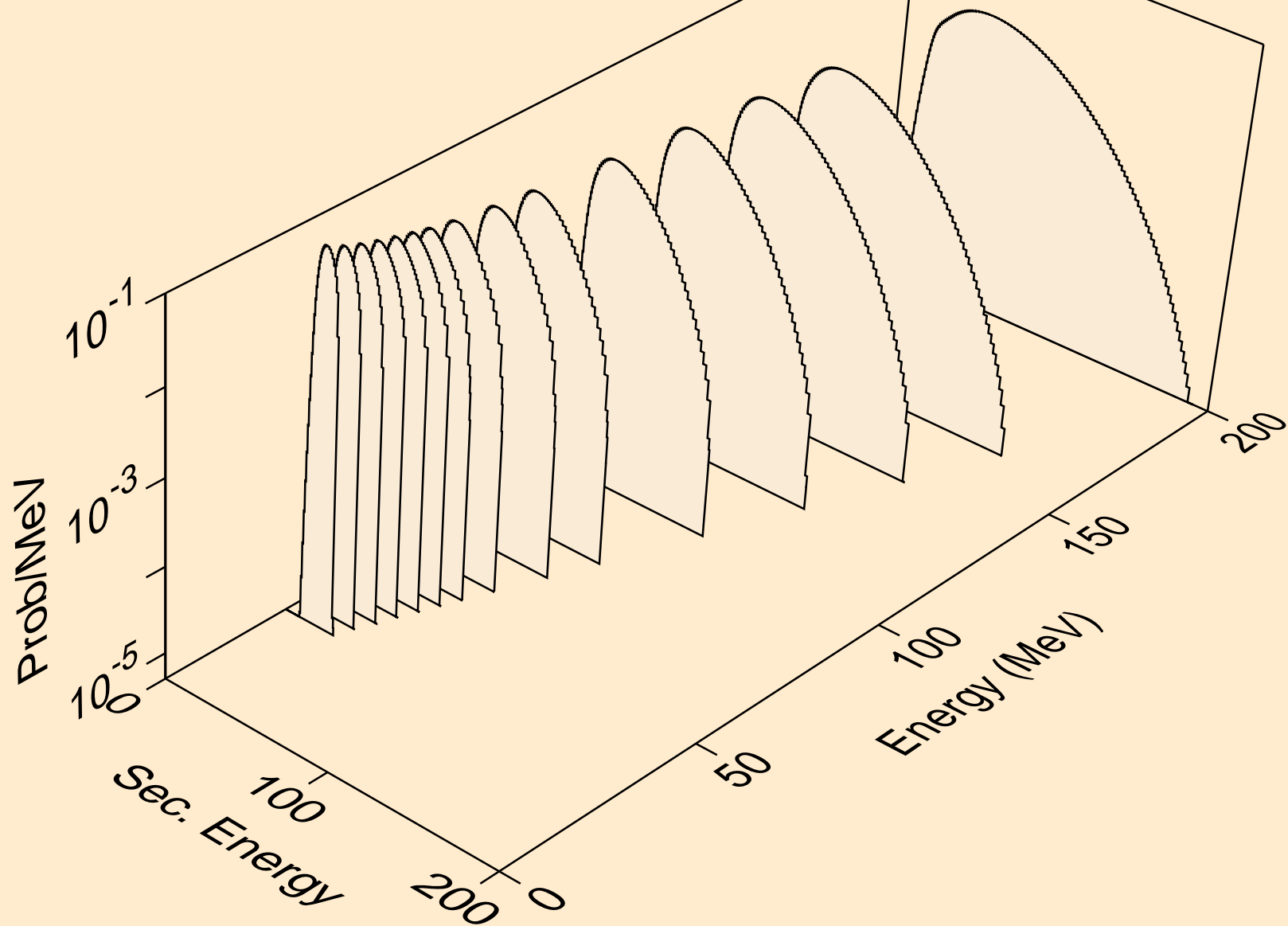


CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
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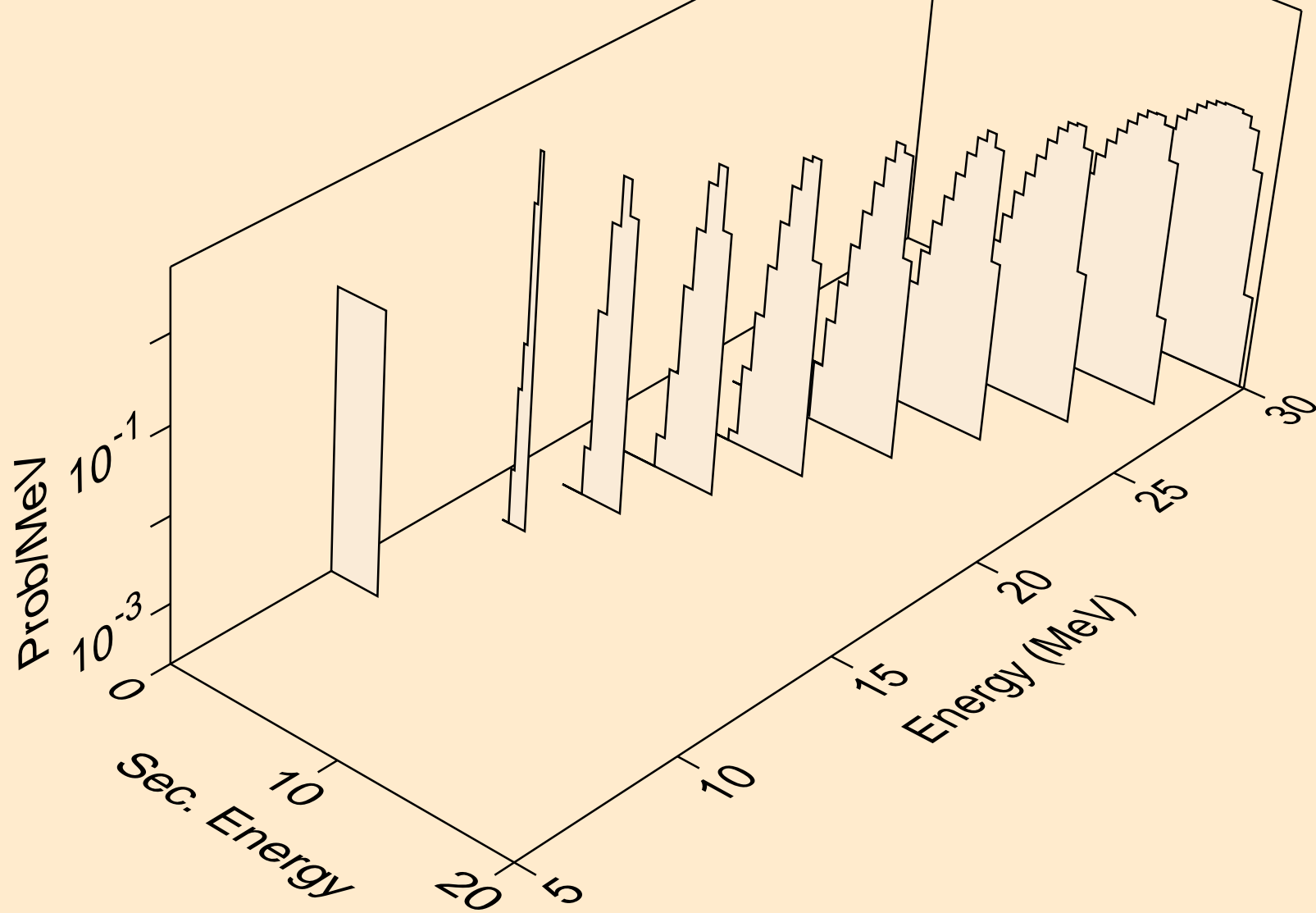




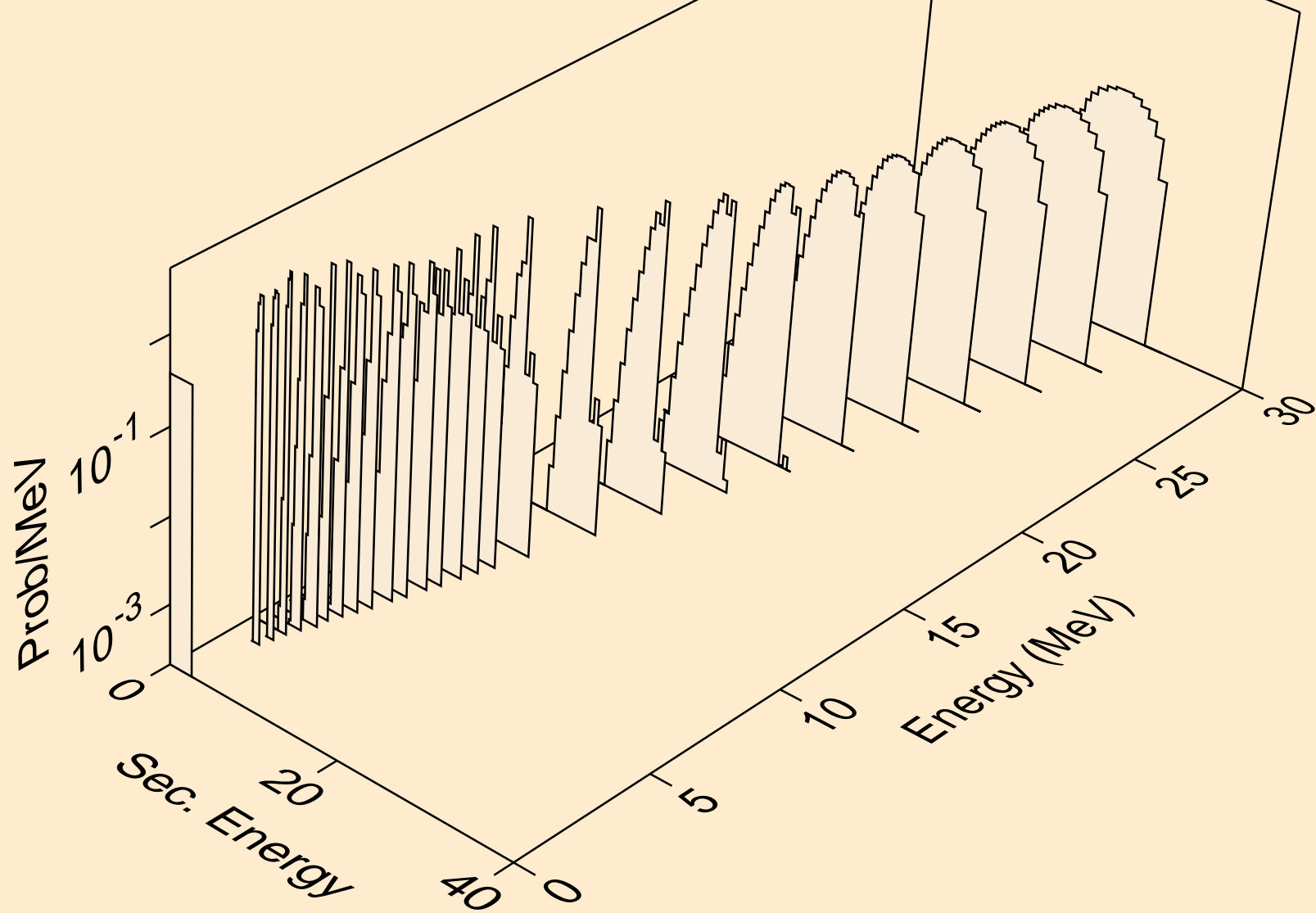
CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
he3s from (n,x)



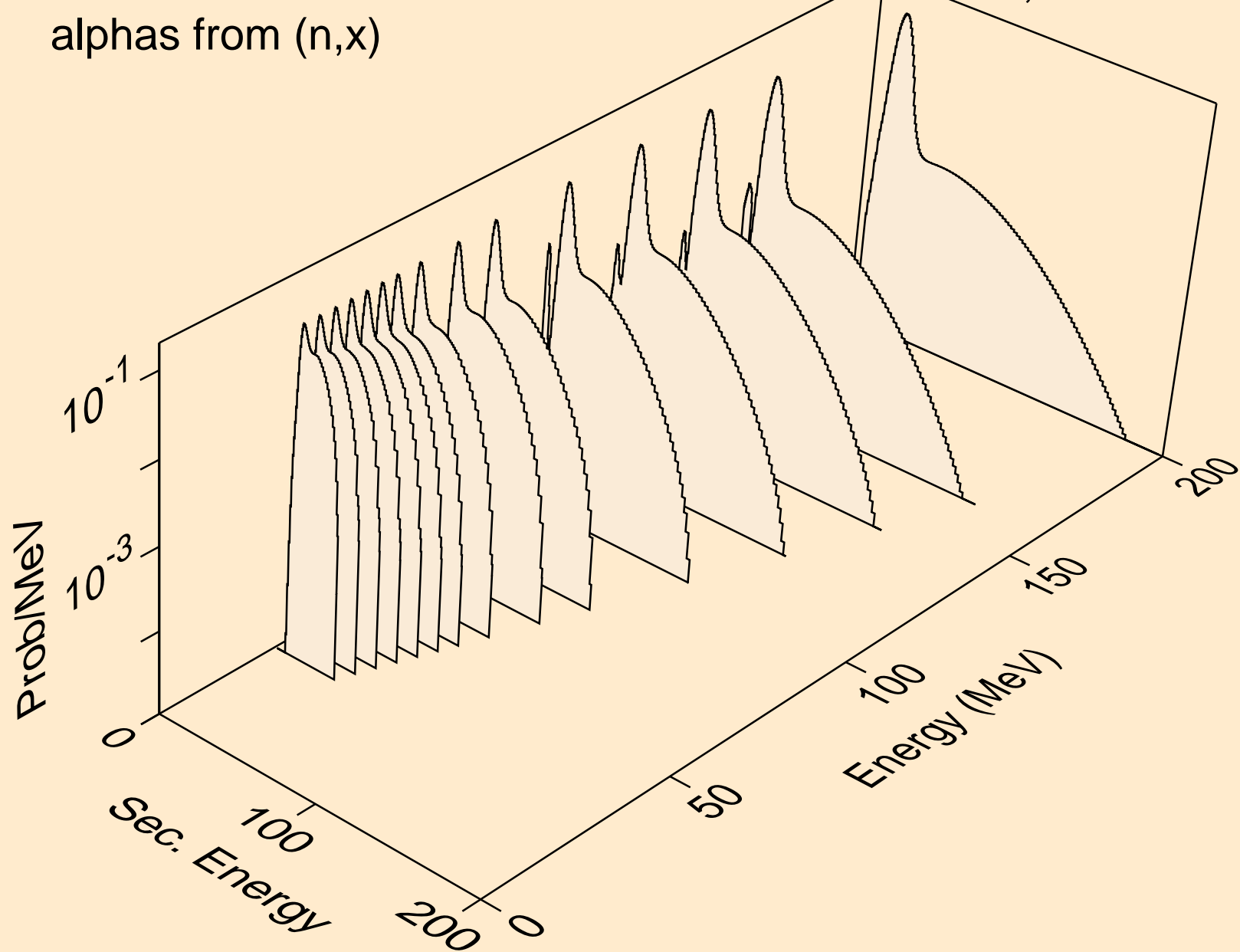
CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
he3s from (n,n\*)he3



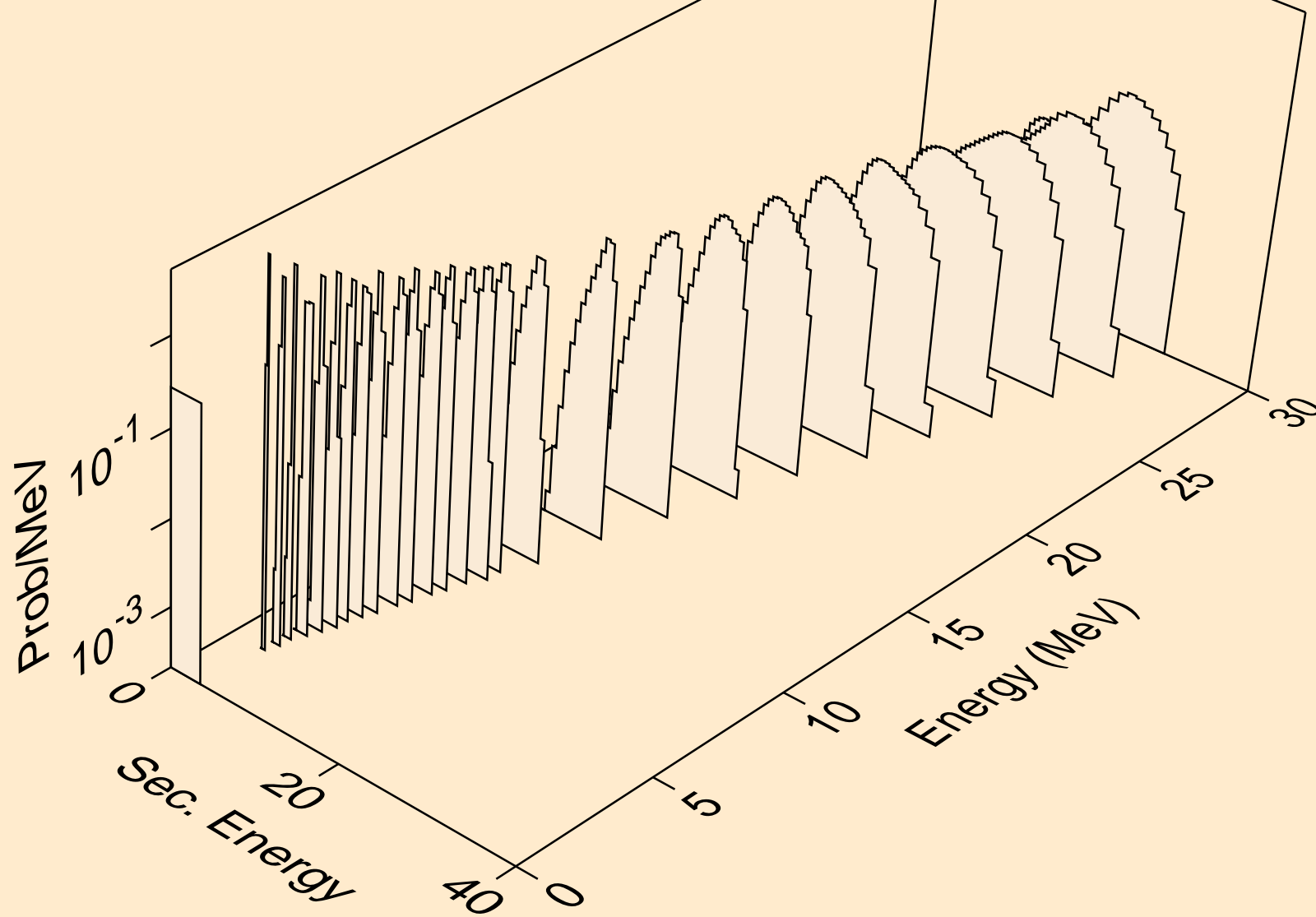
CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
he3s from (n,he3)



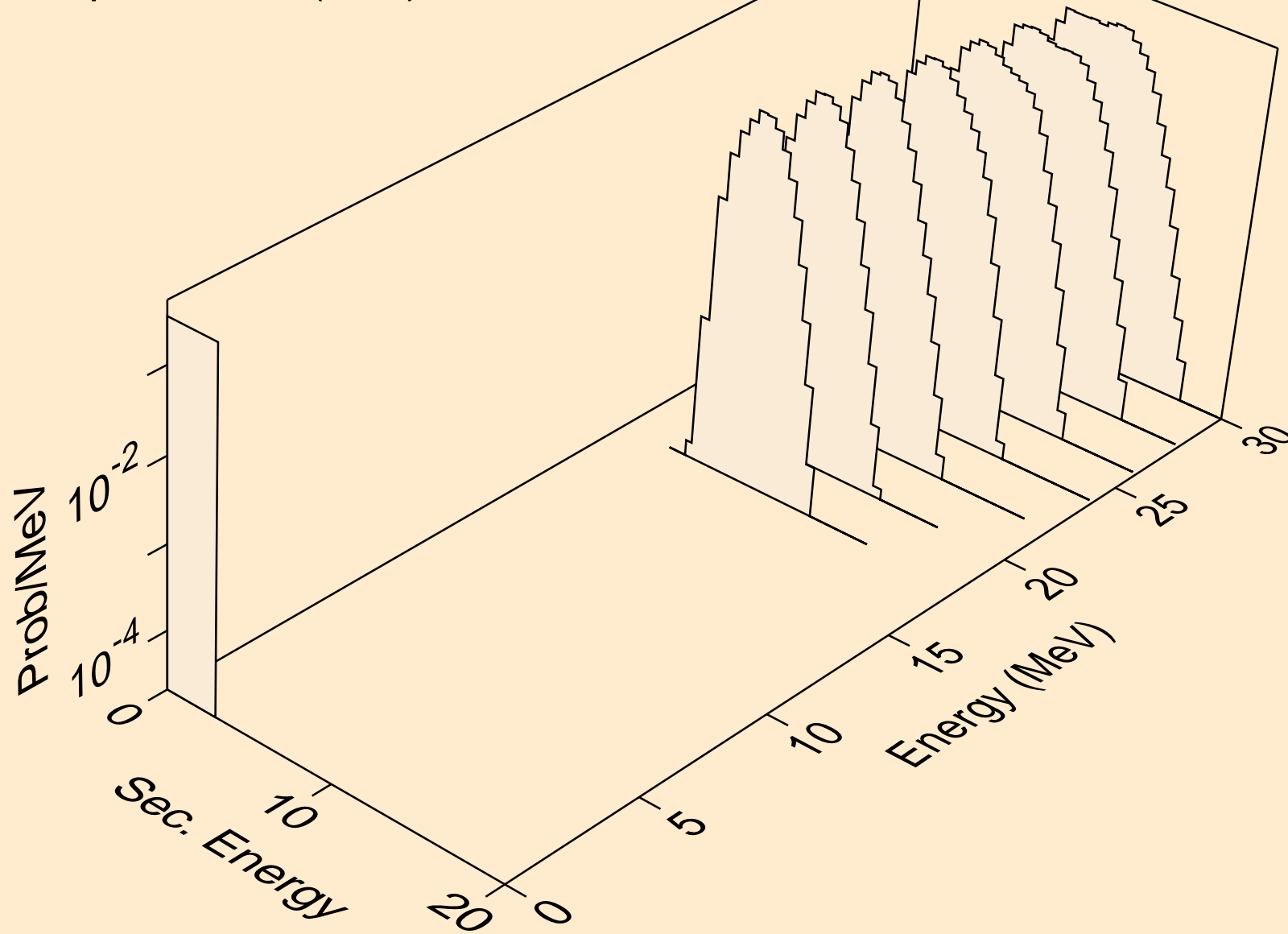
CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,x)



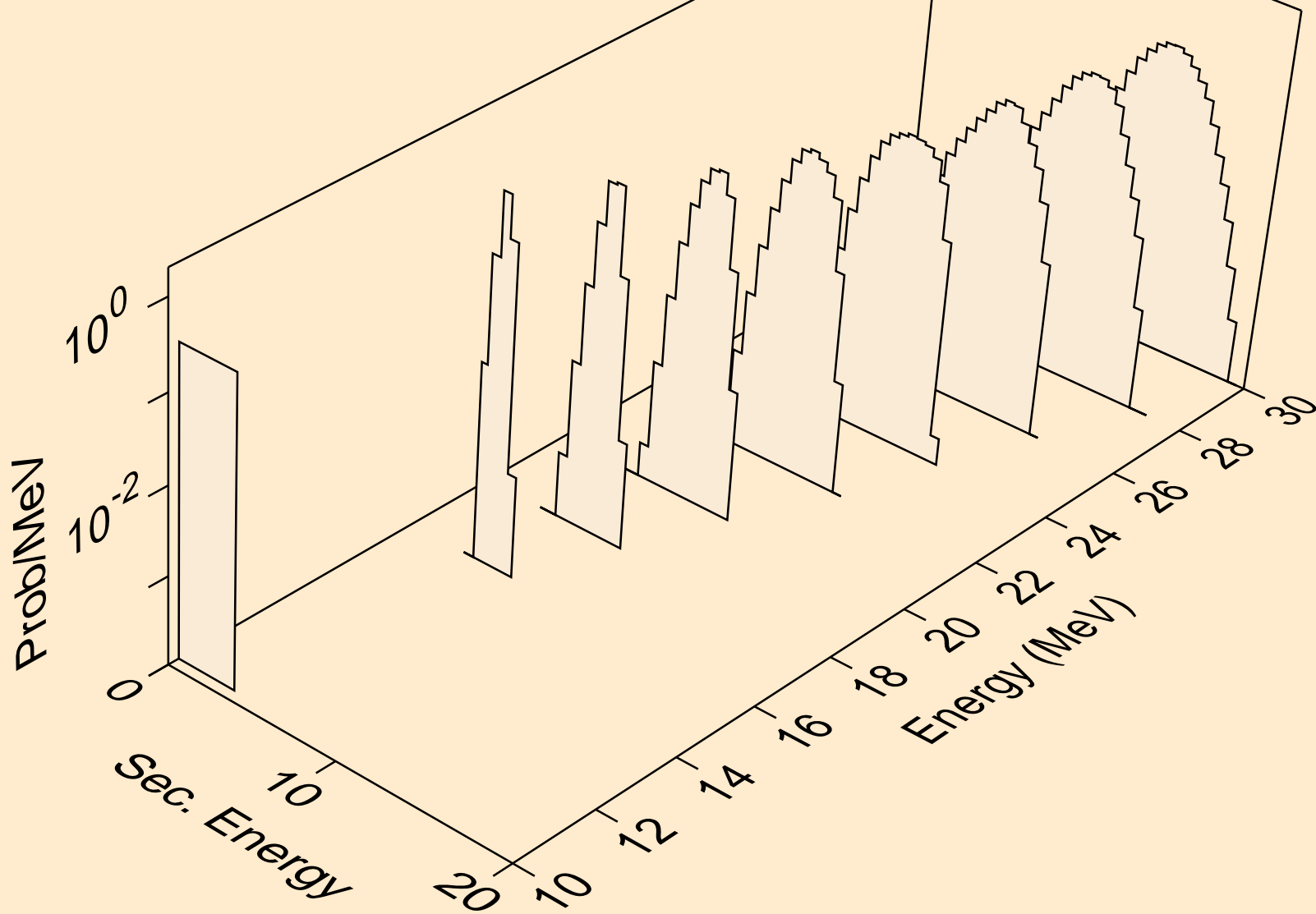
CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,n\*)a



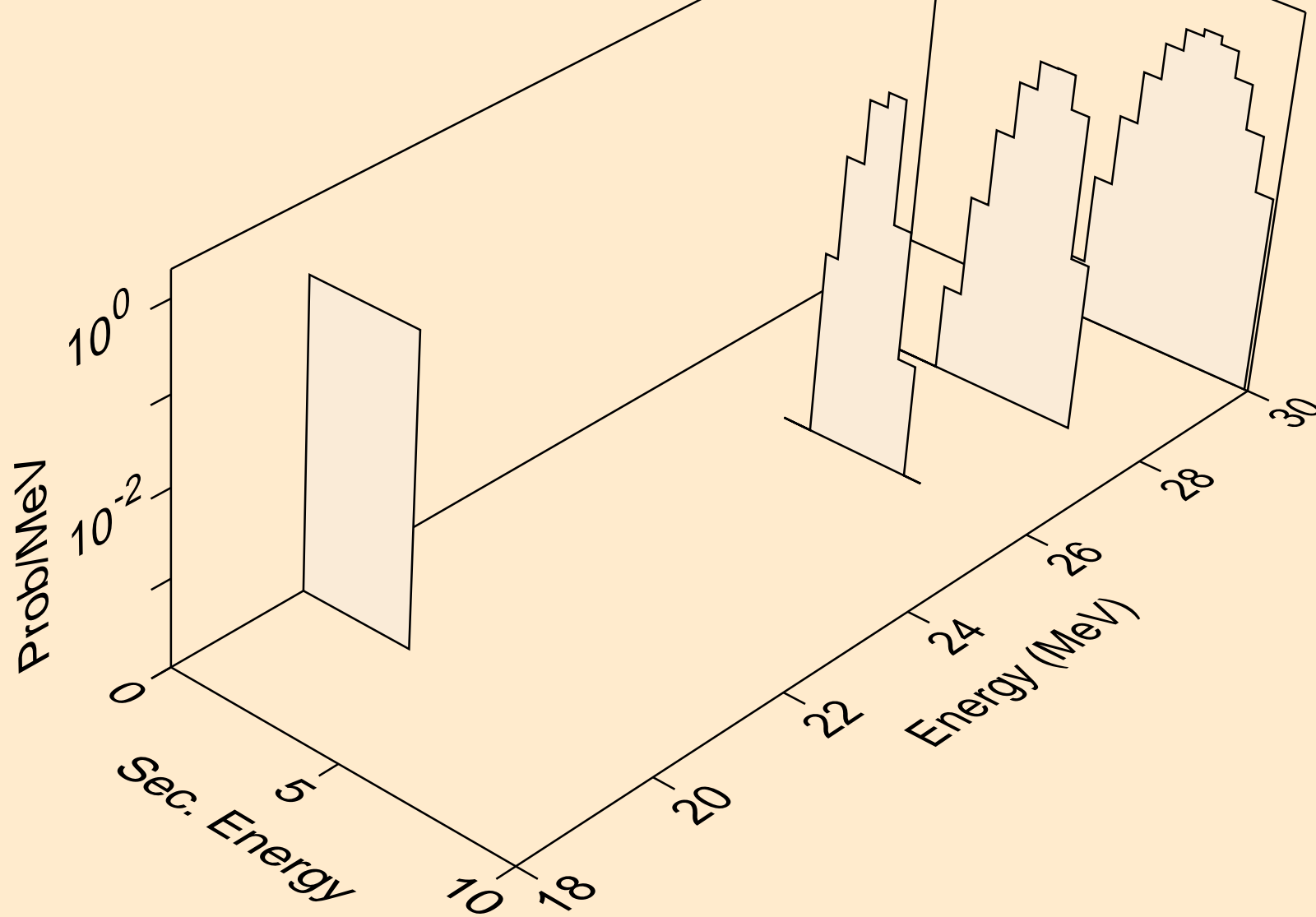
CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,n\*)3a



CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2n)a

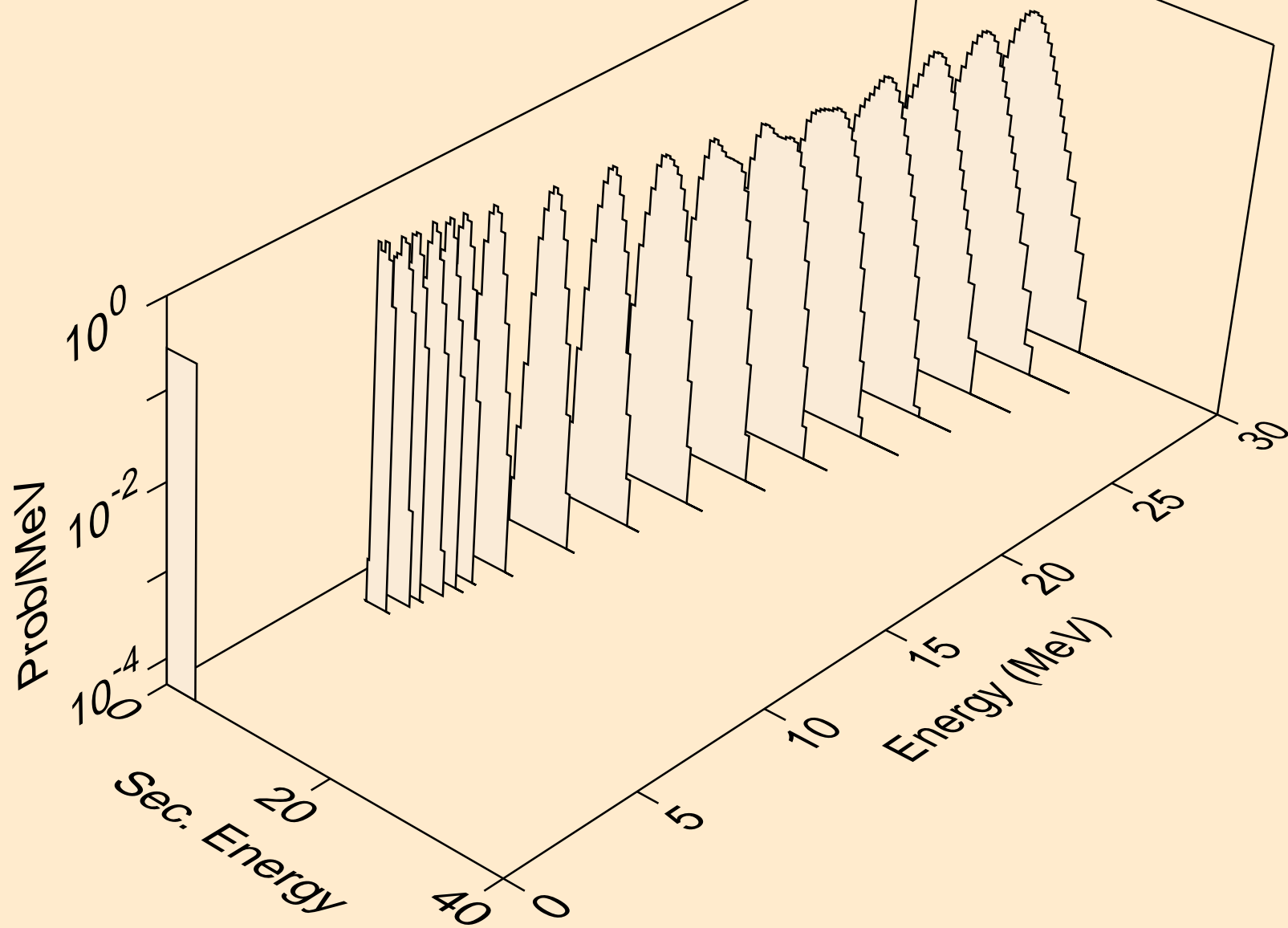


CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
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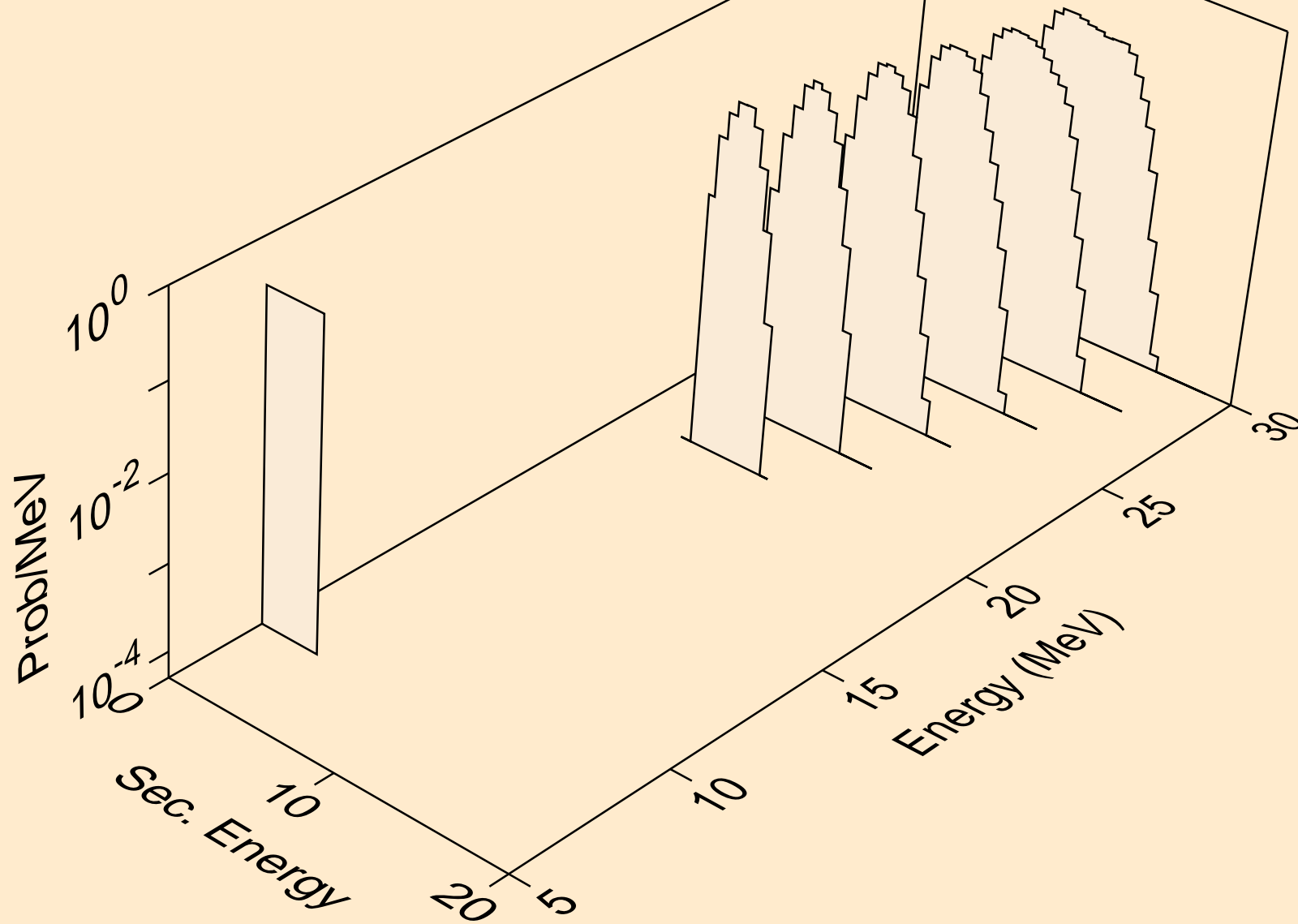




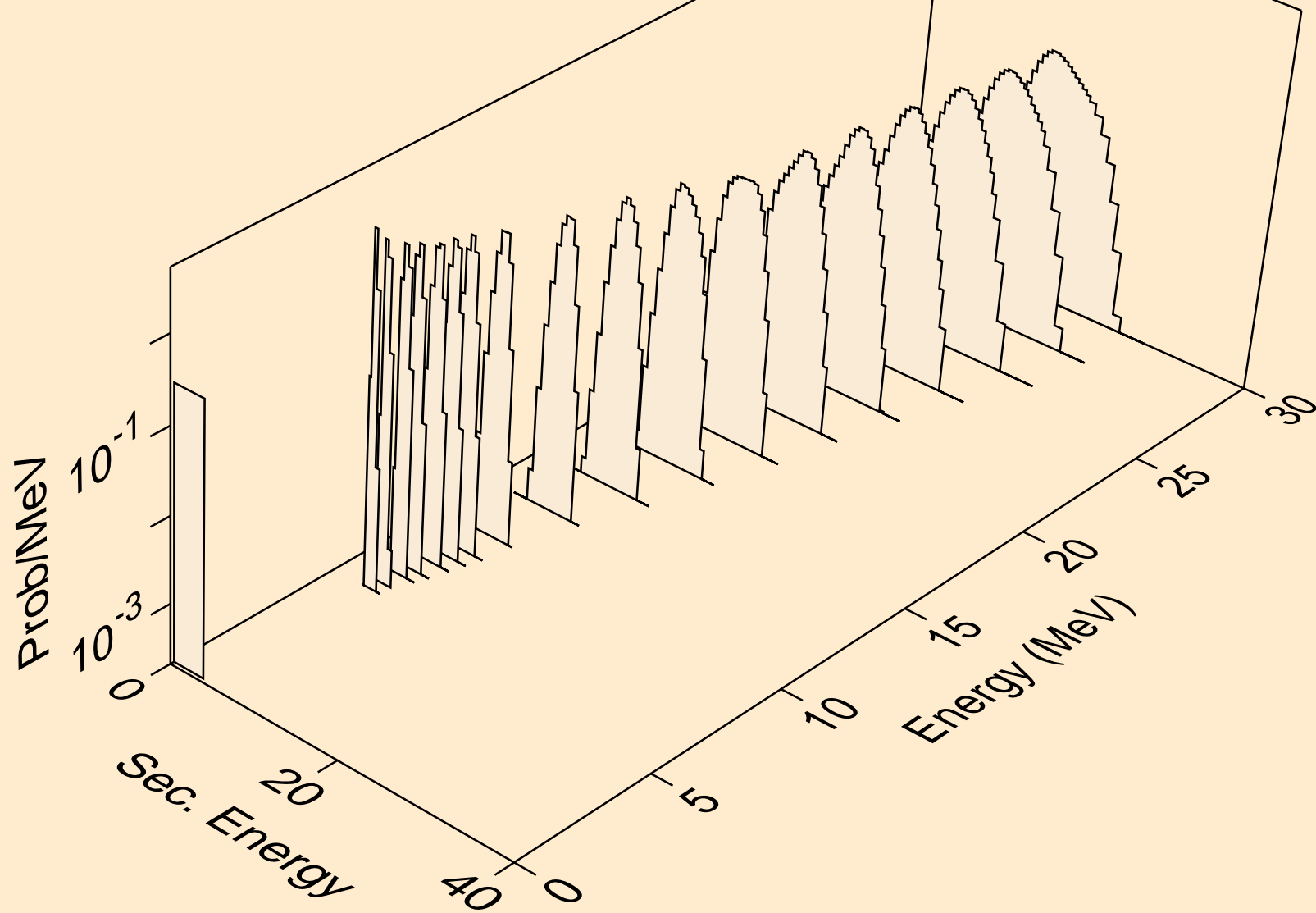
CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,n\*)2a



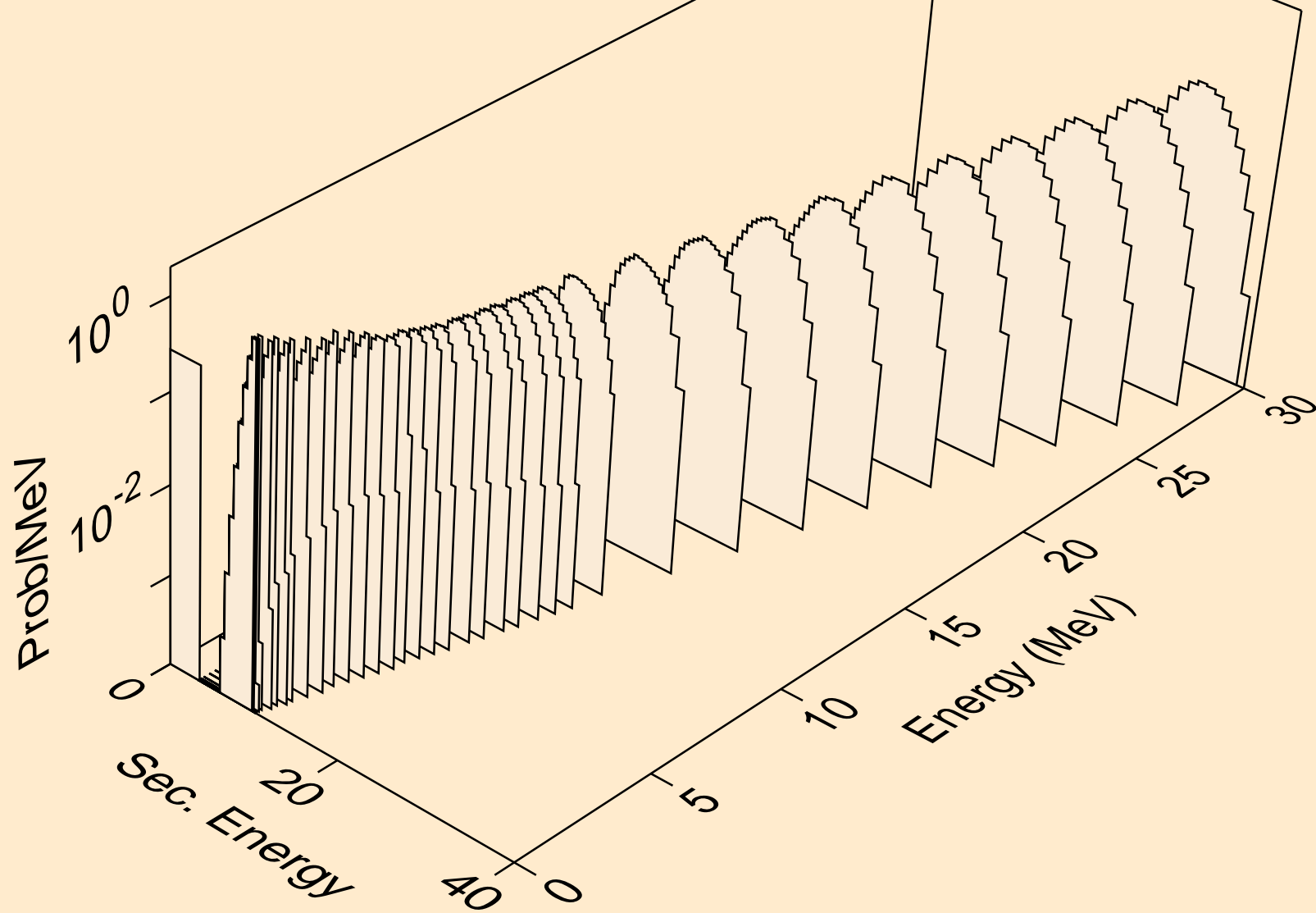
CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2n)2a



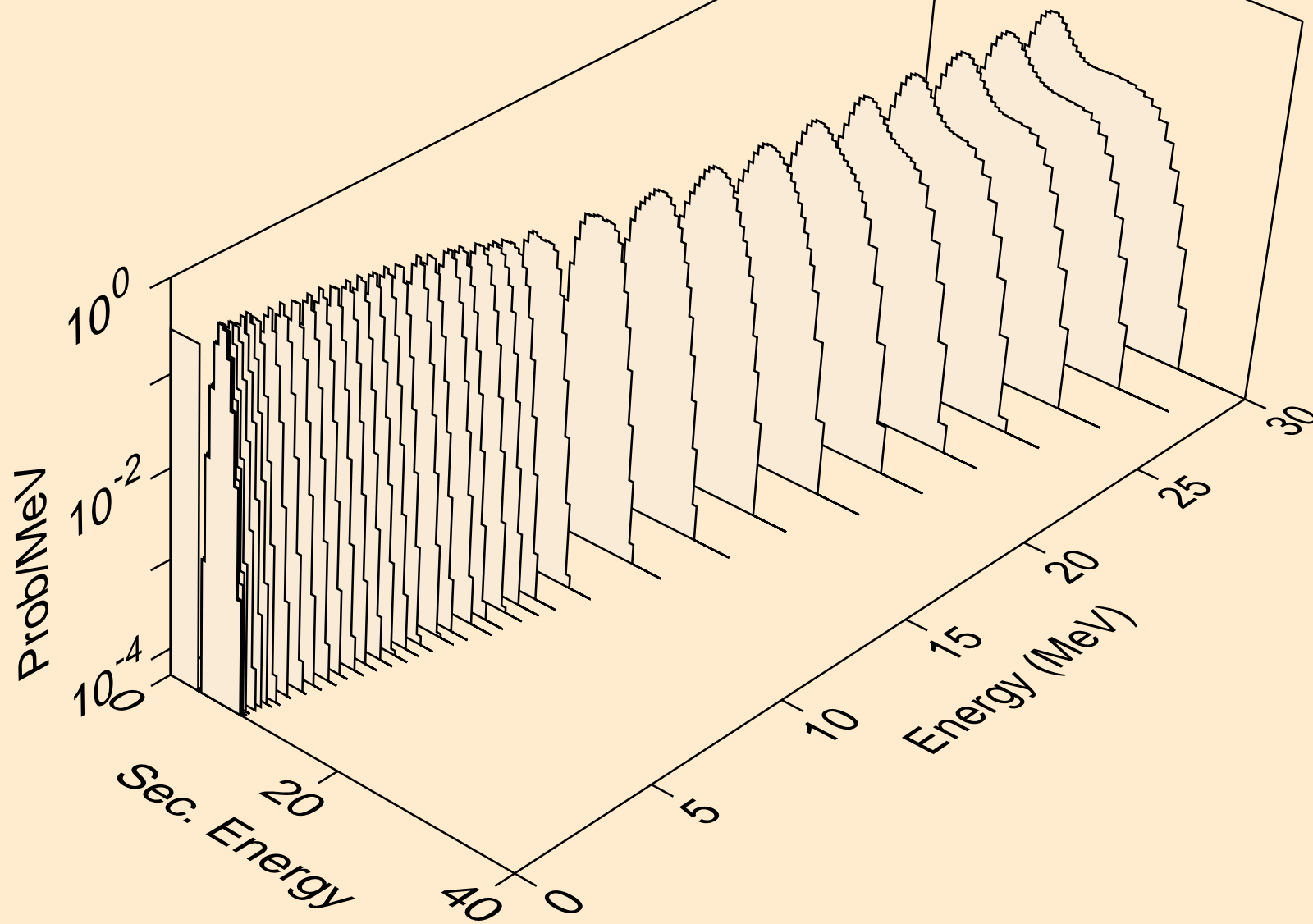
CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,npa)



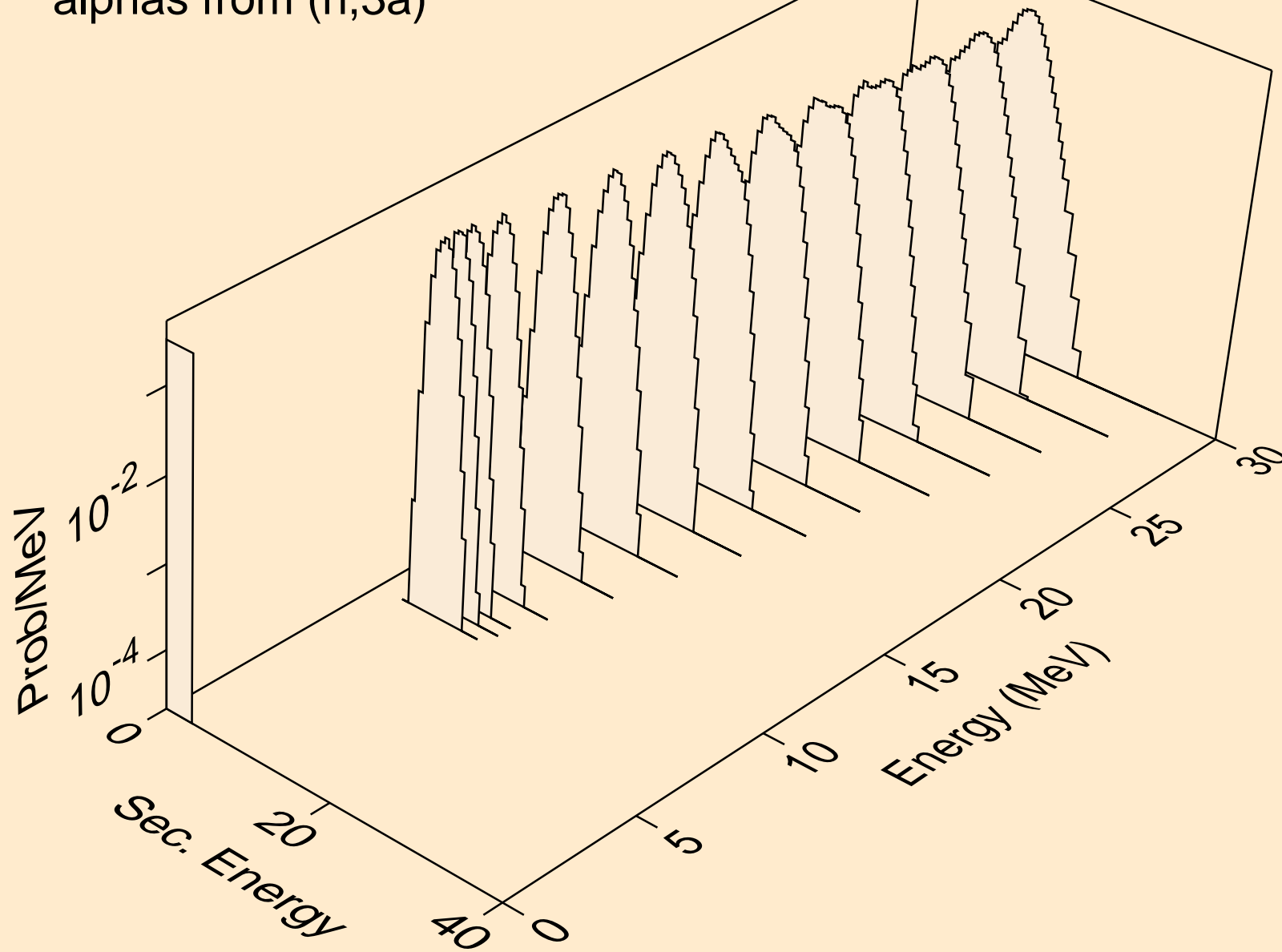
CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,a)



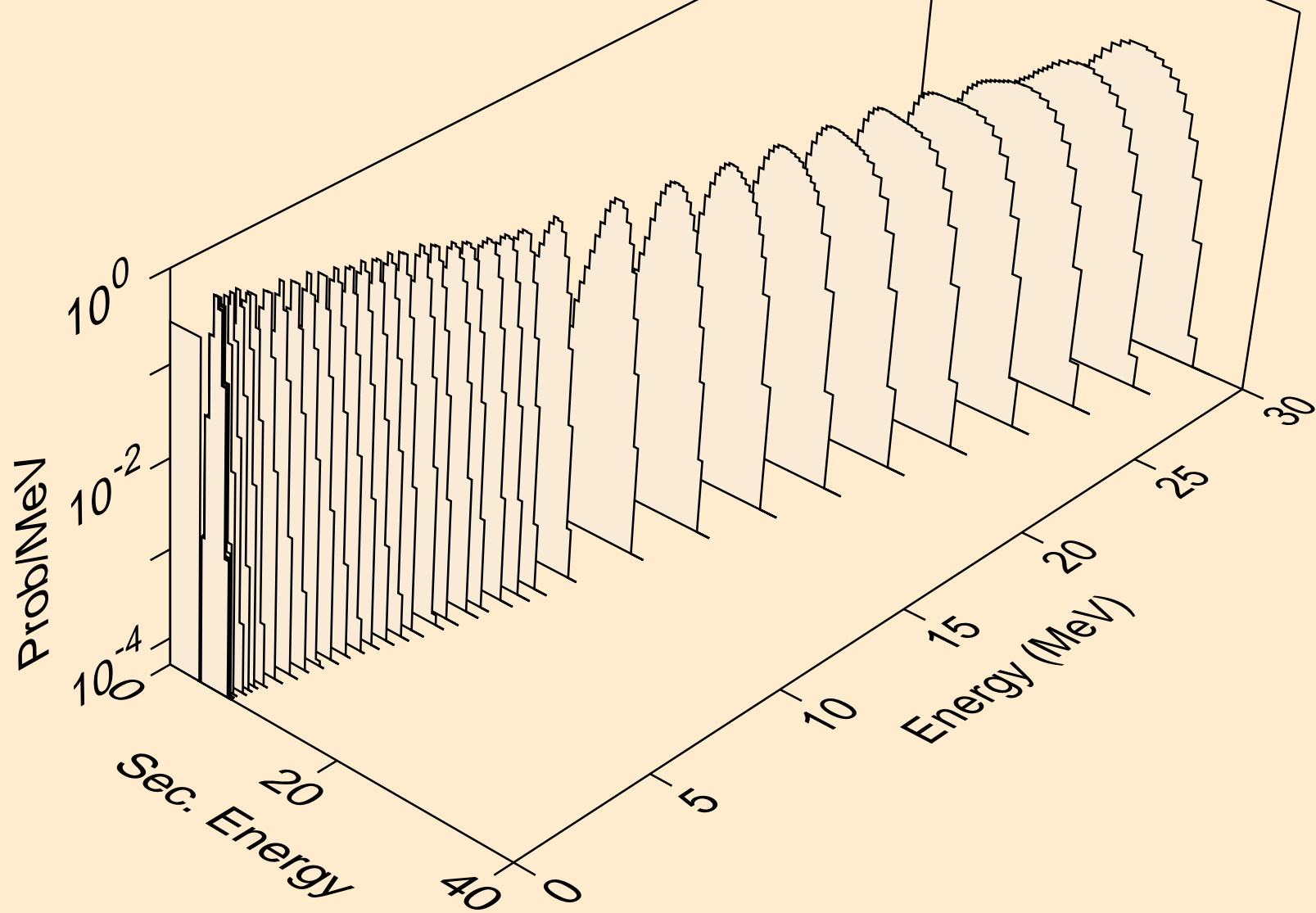
CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2a)



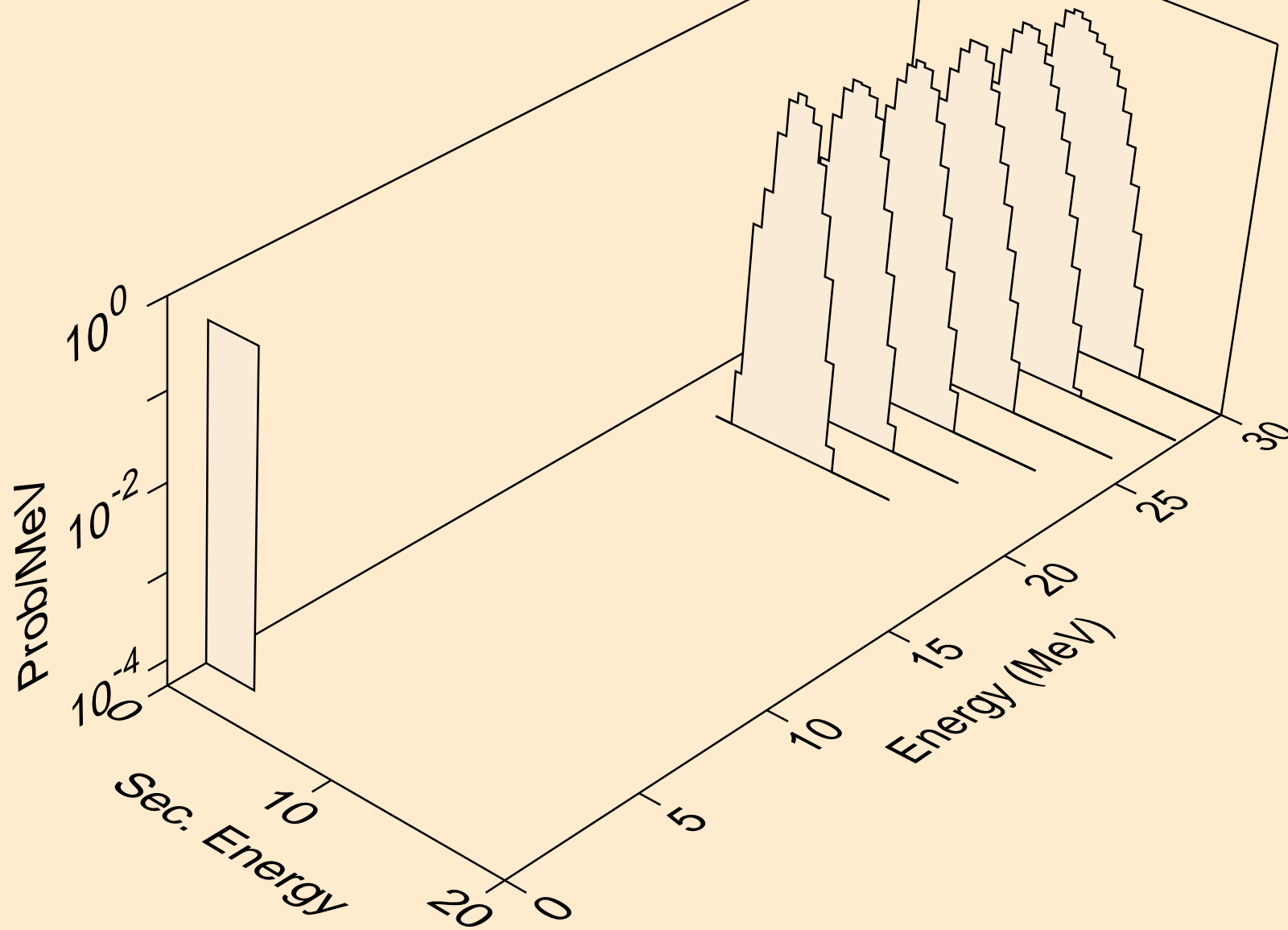
CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,3a)



CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,pa)

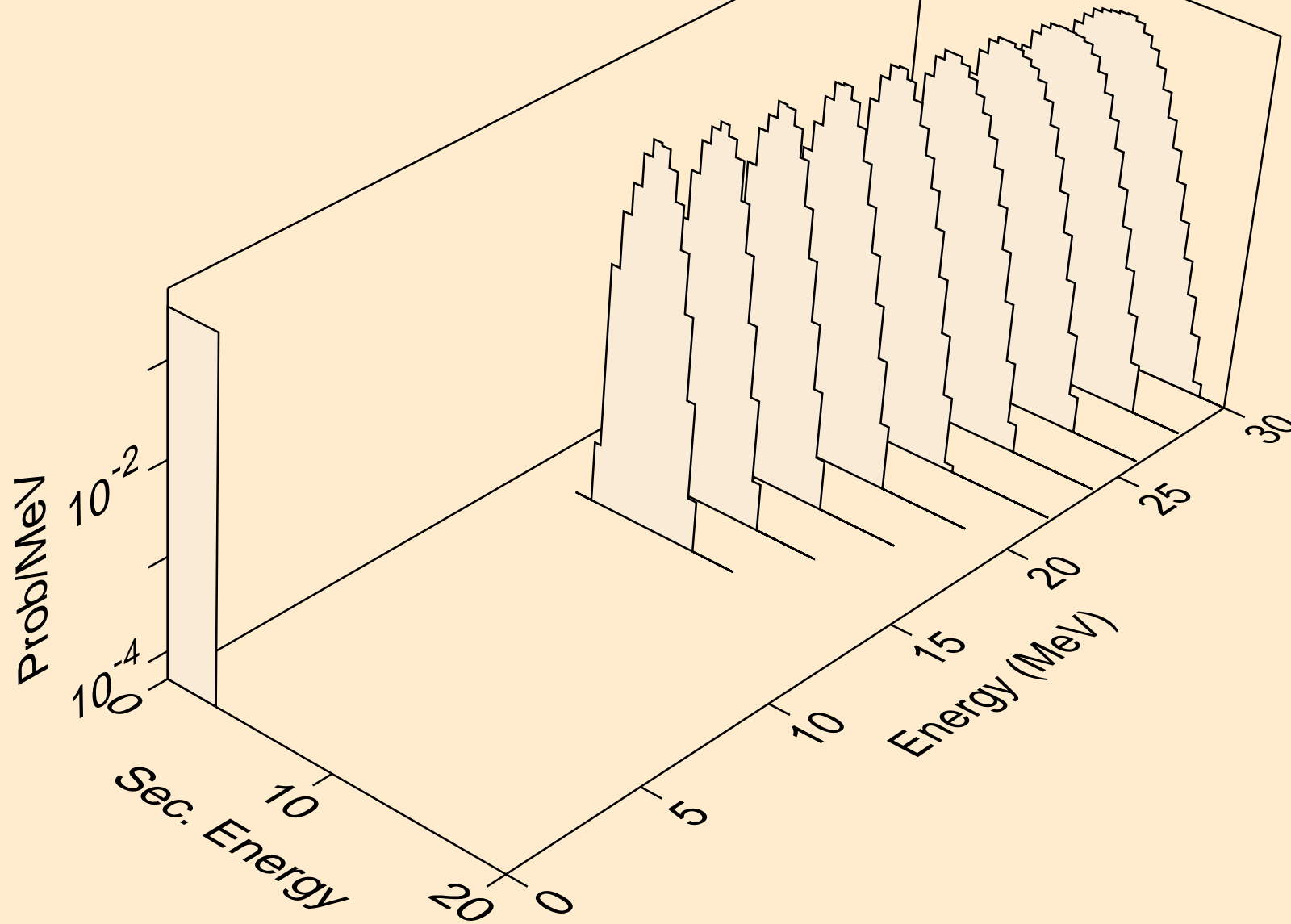


CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,t2a)





CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,d2a)



CS119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,da)

