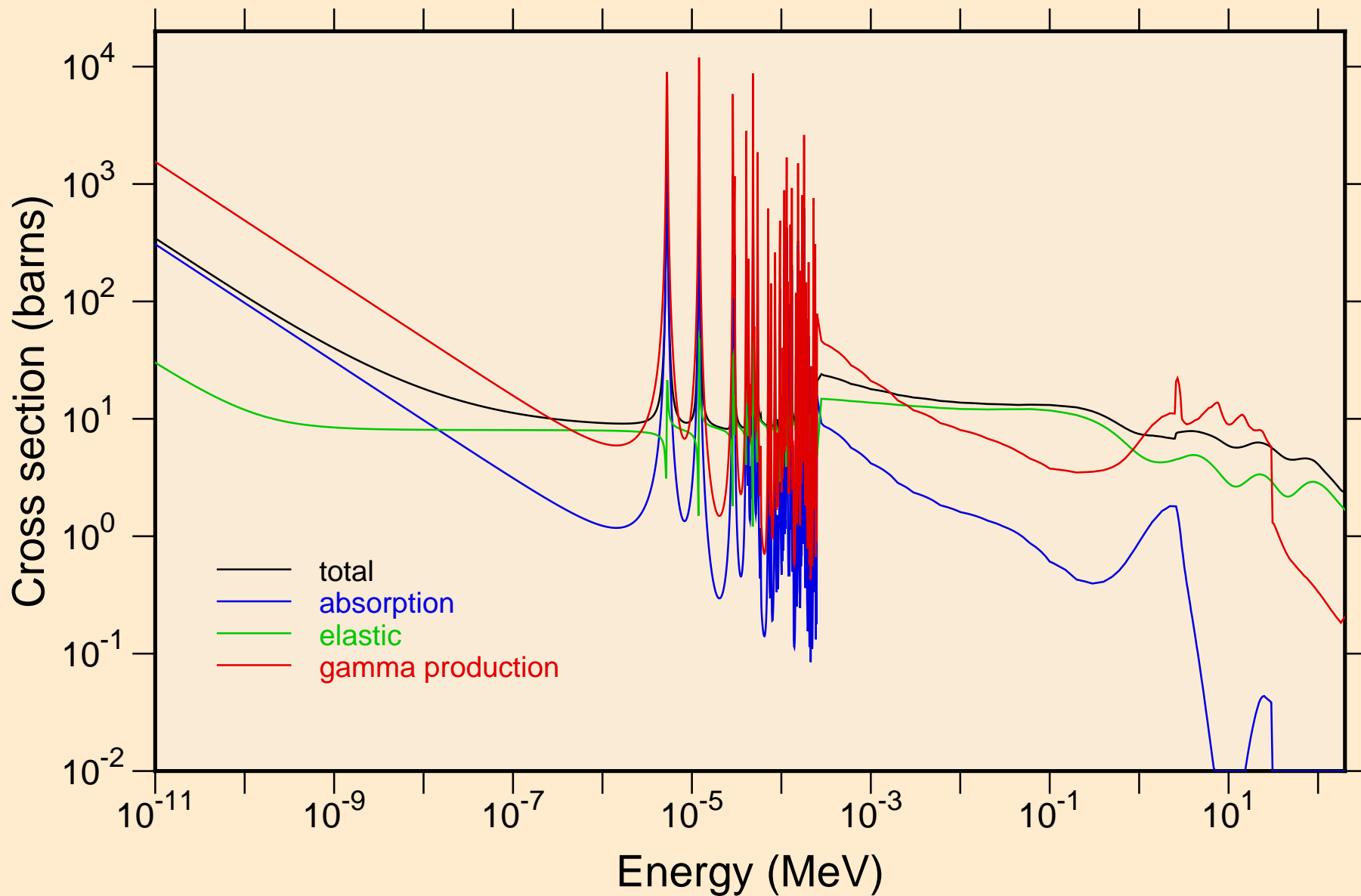
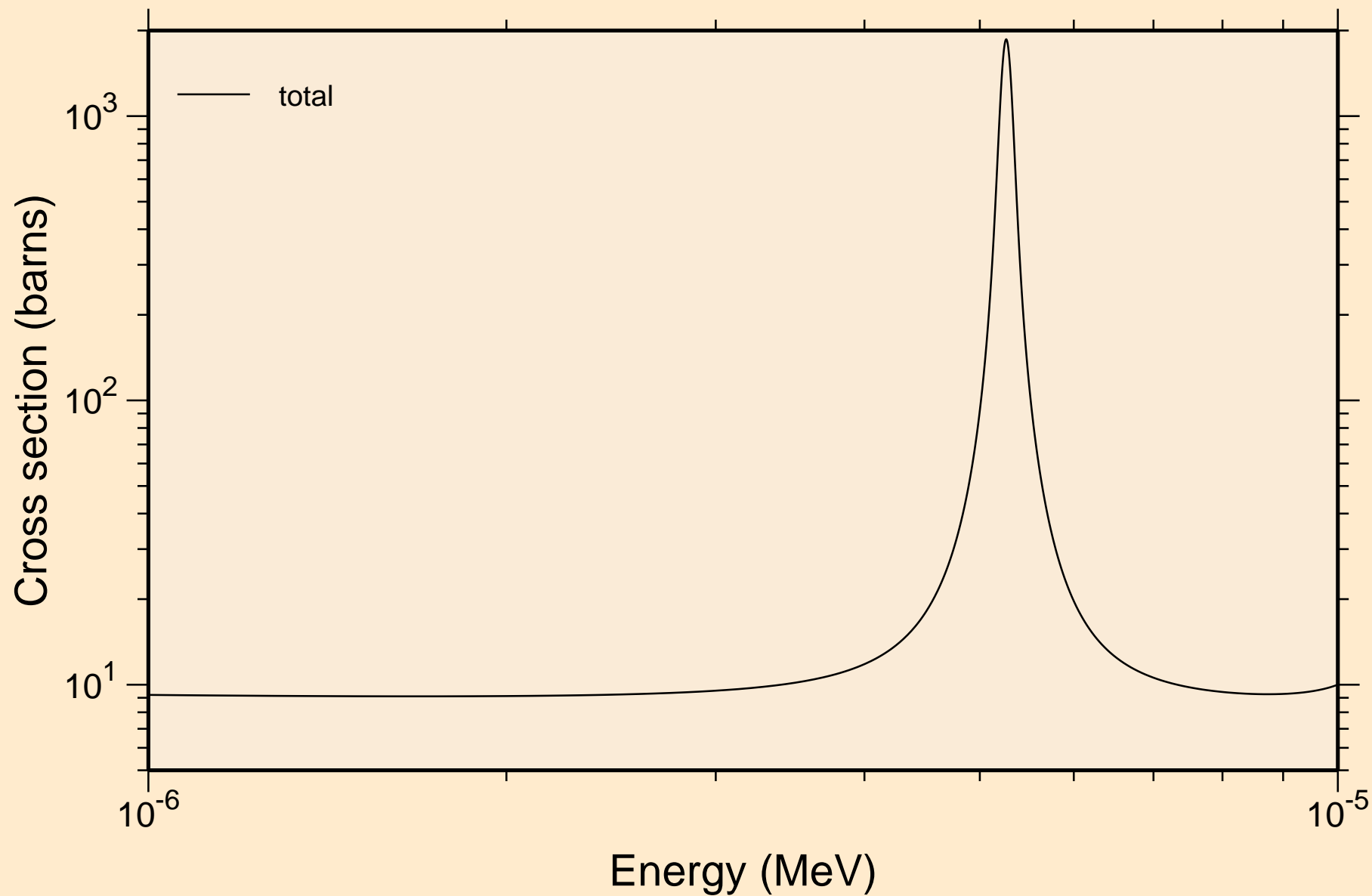


# CF246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

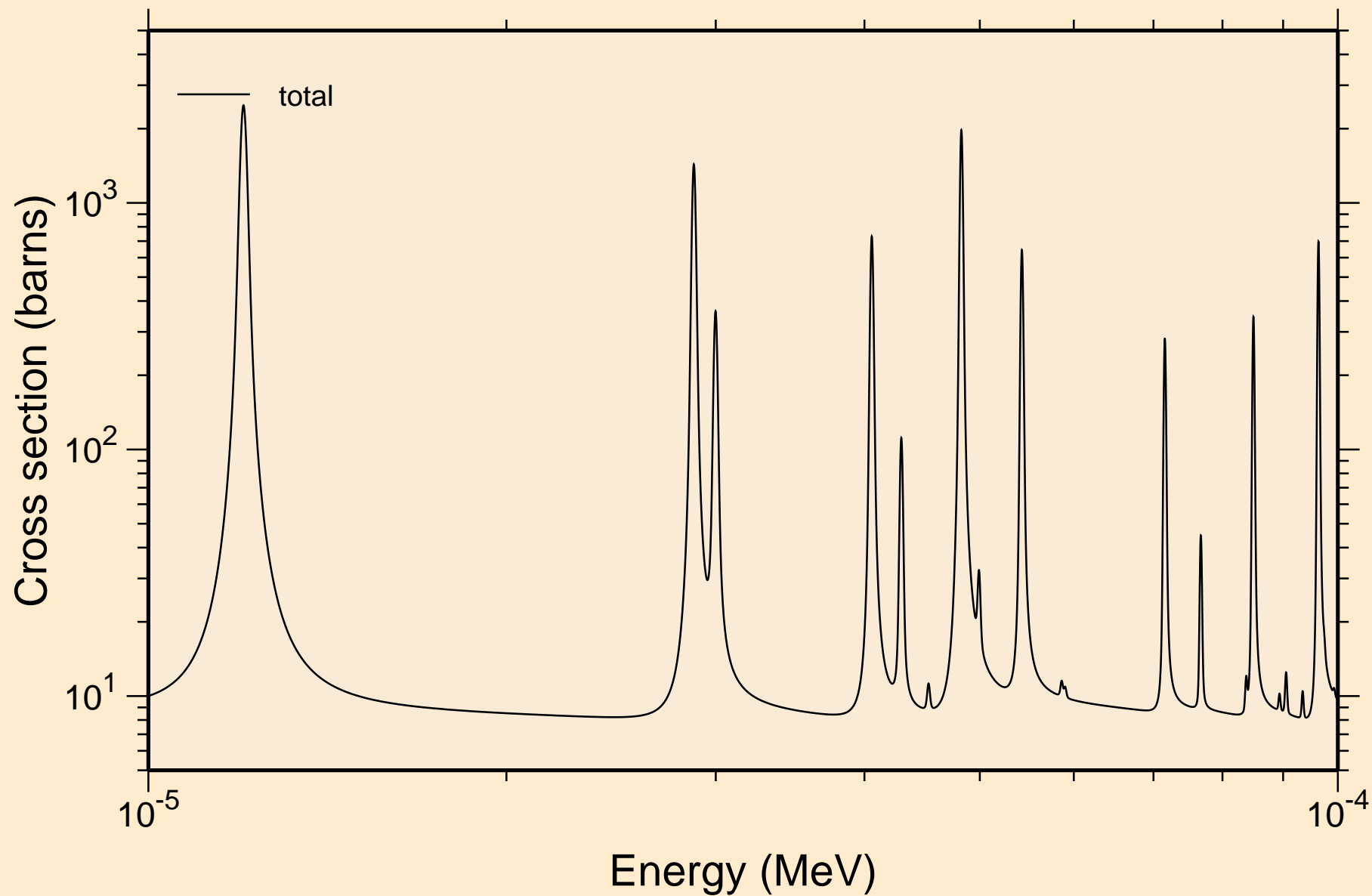
## Principal cross sections



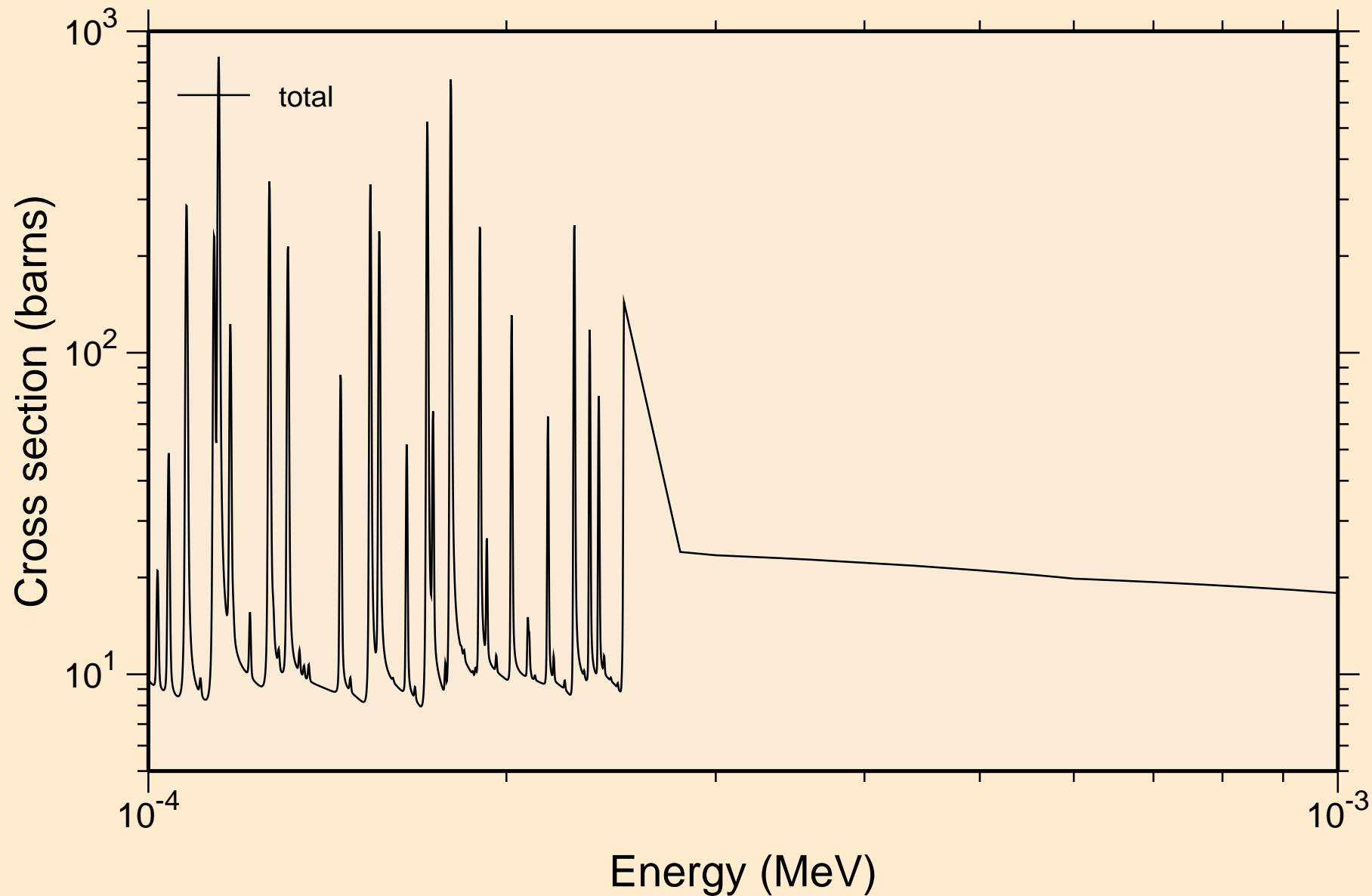
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resonance total cross section



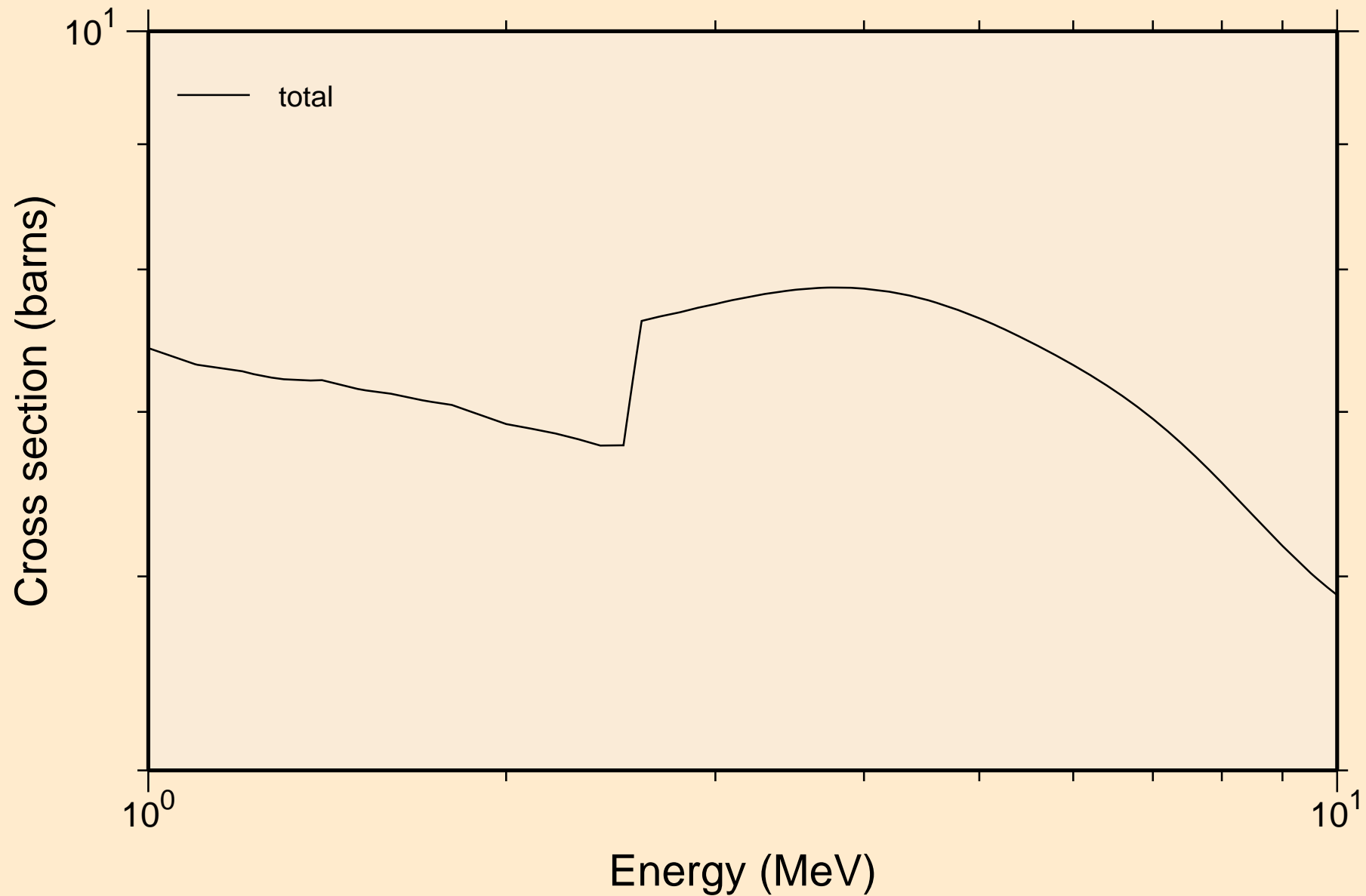
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resonance total cross section



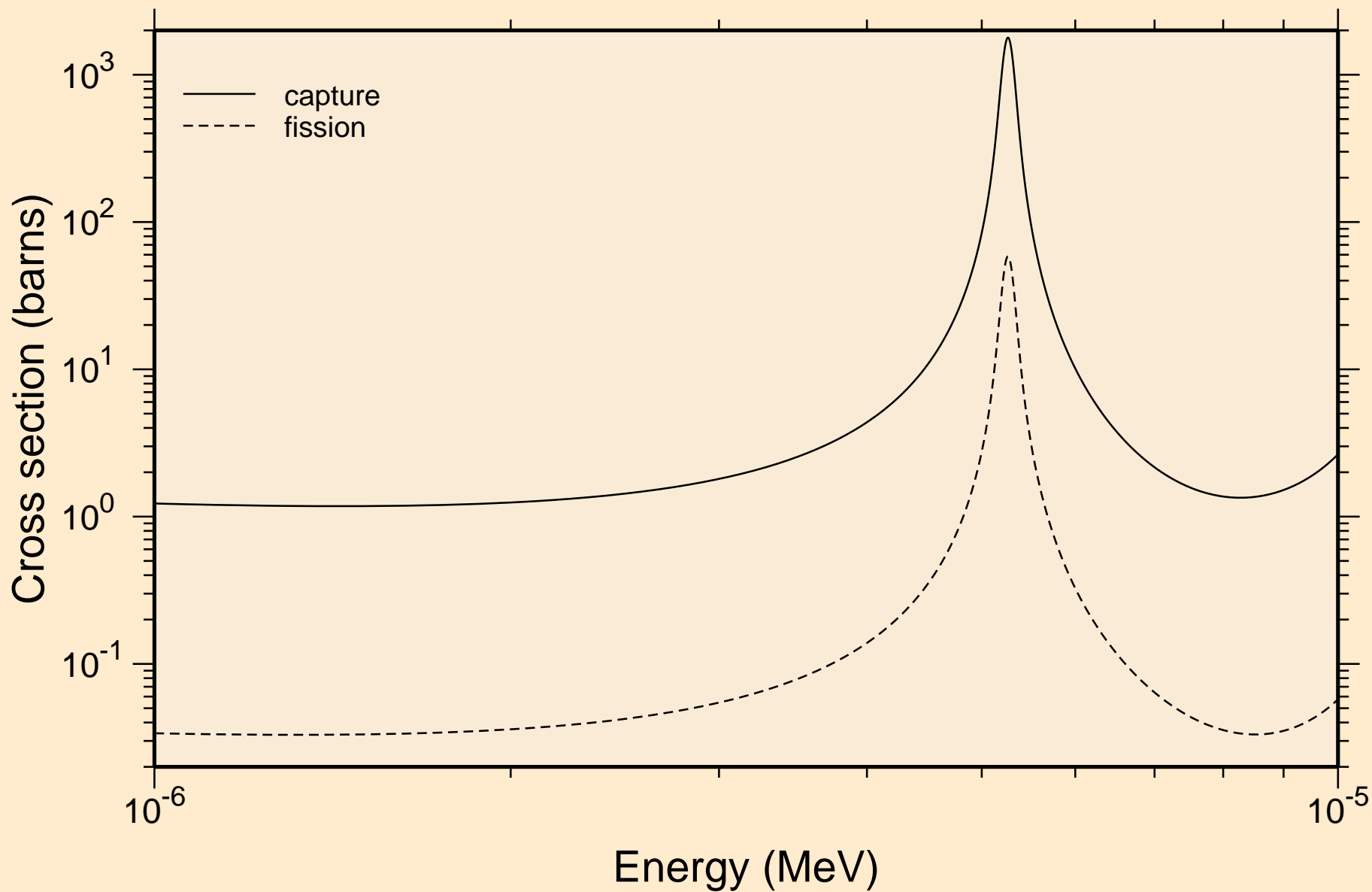
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resonance total cross section



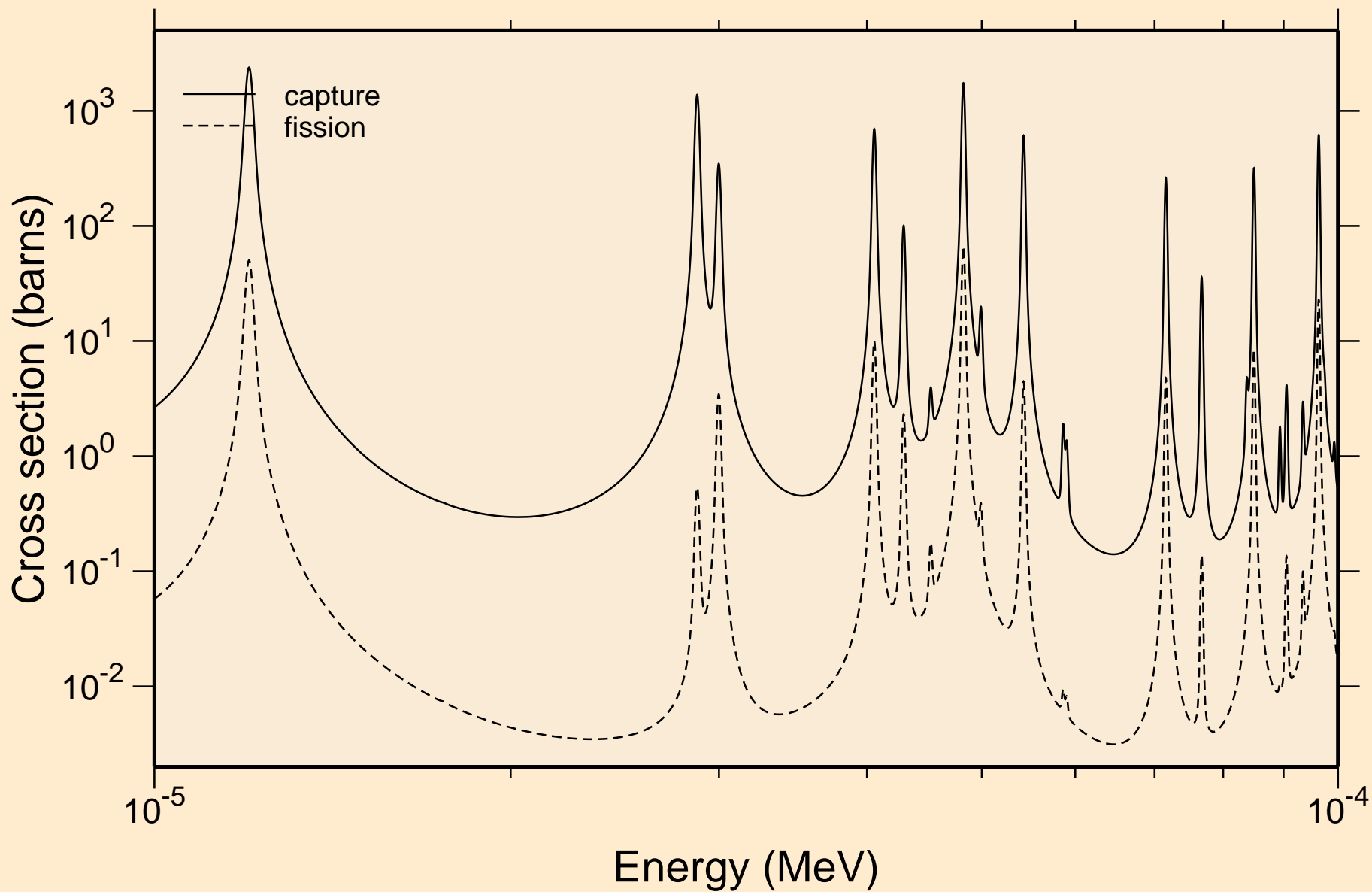
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resonance total cross section



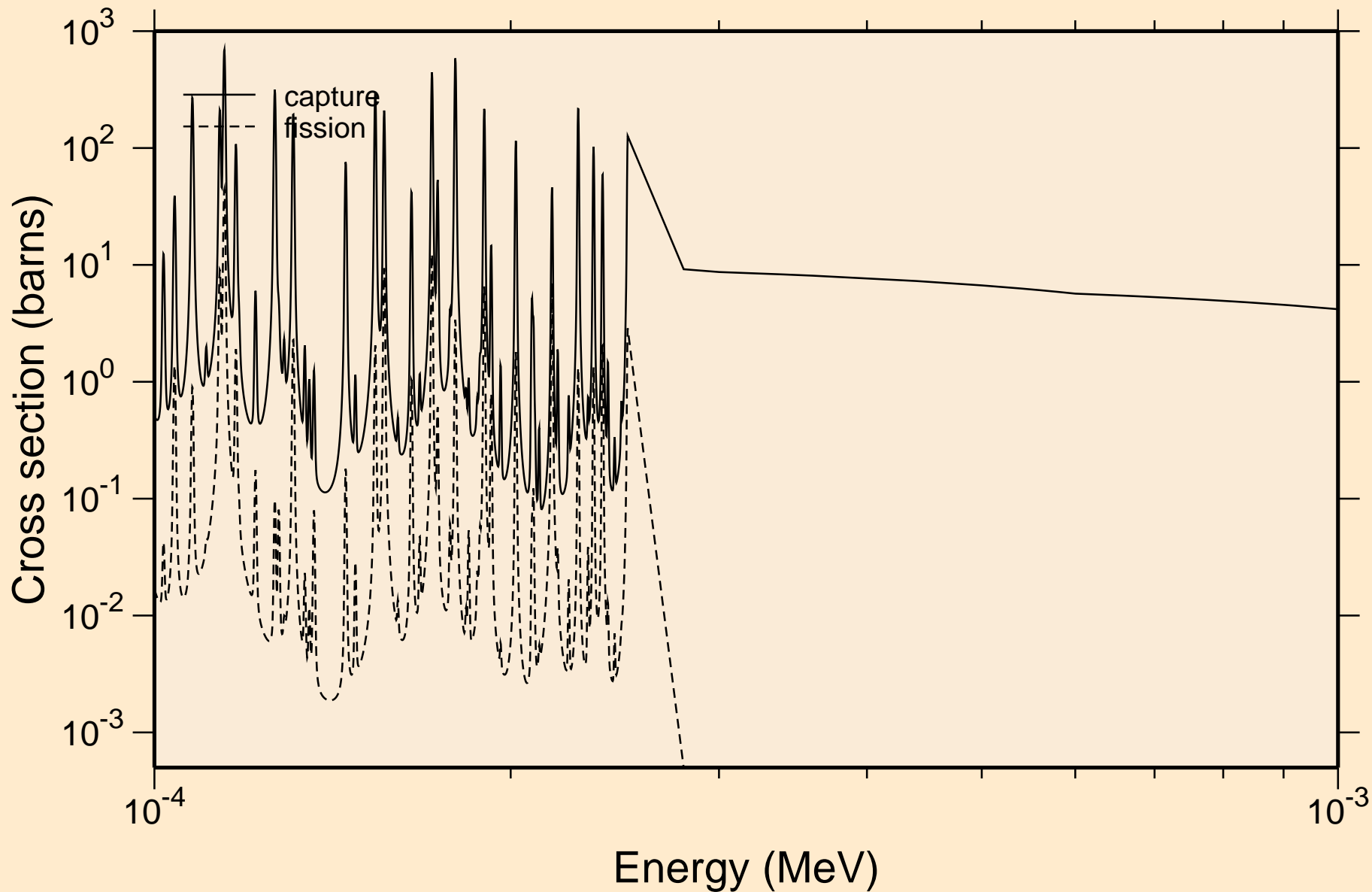
CF246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



CF246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections

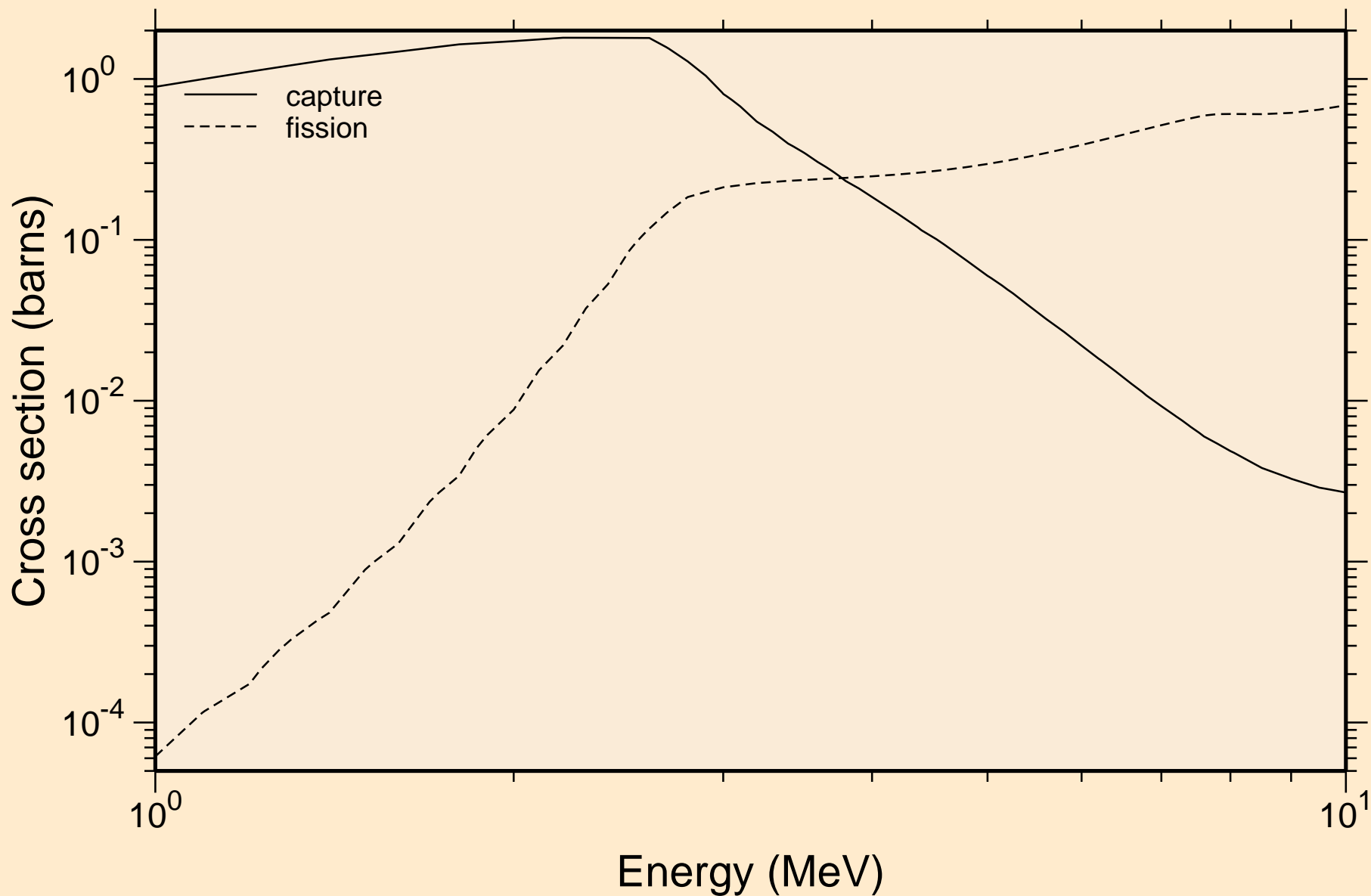


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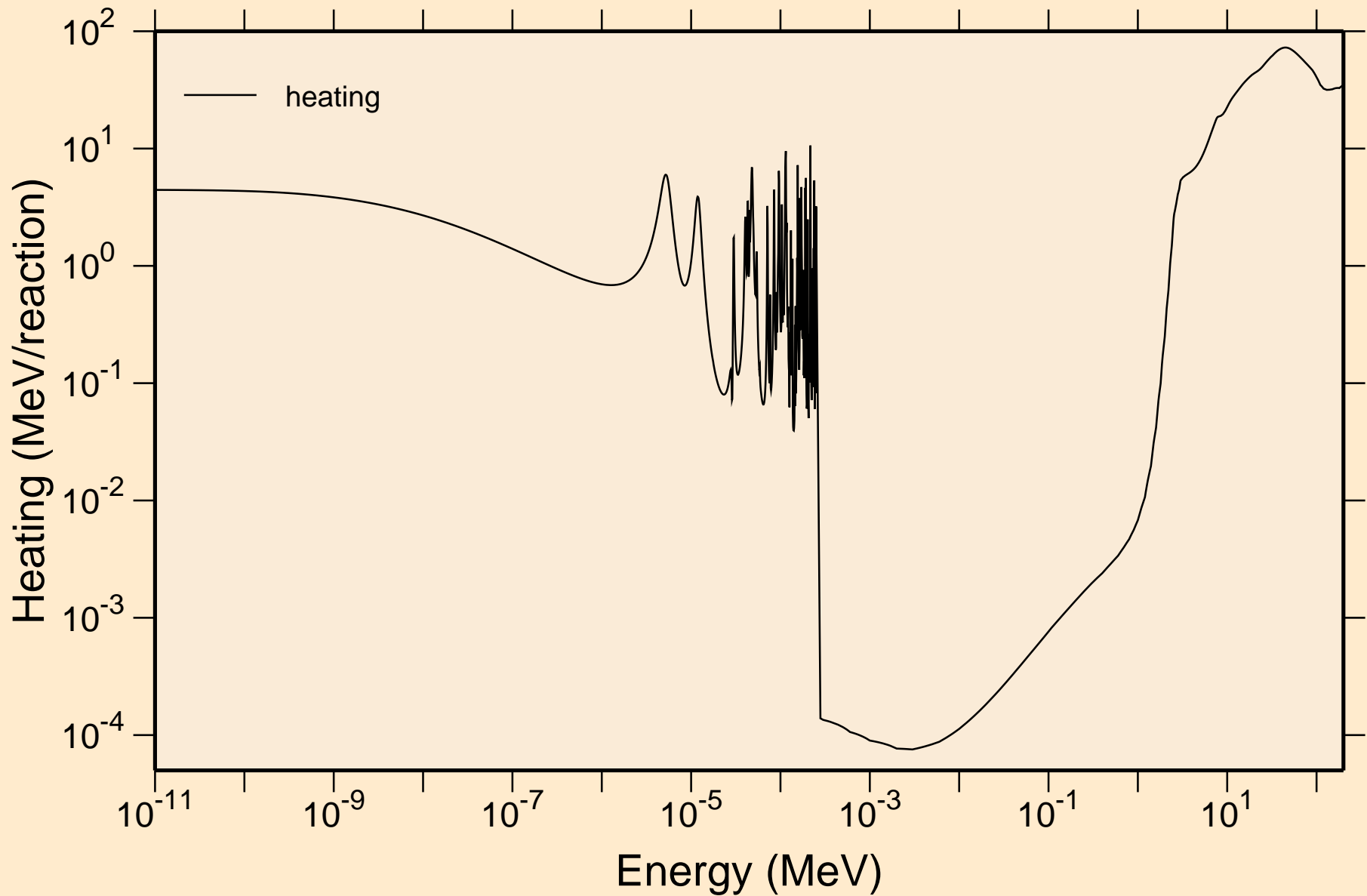




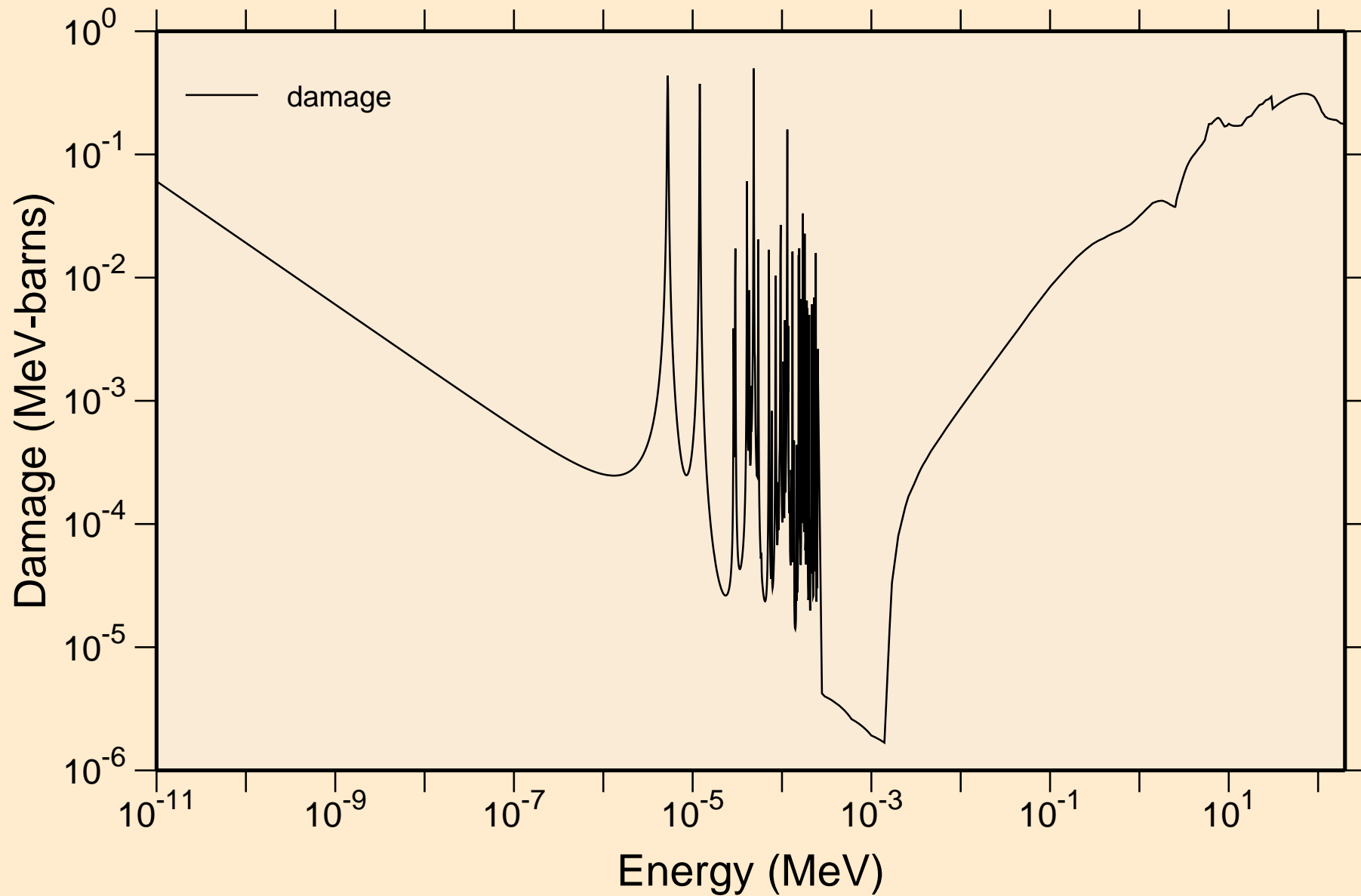
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resonance absorption cross sections



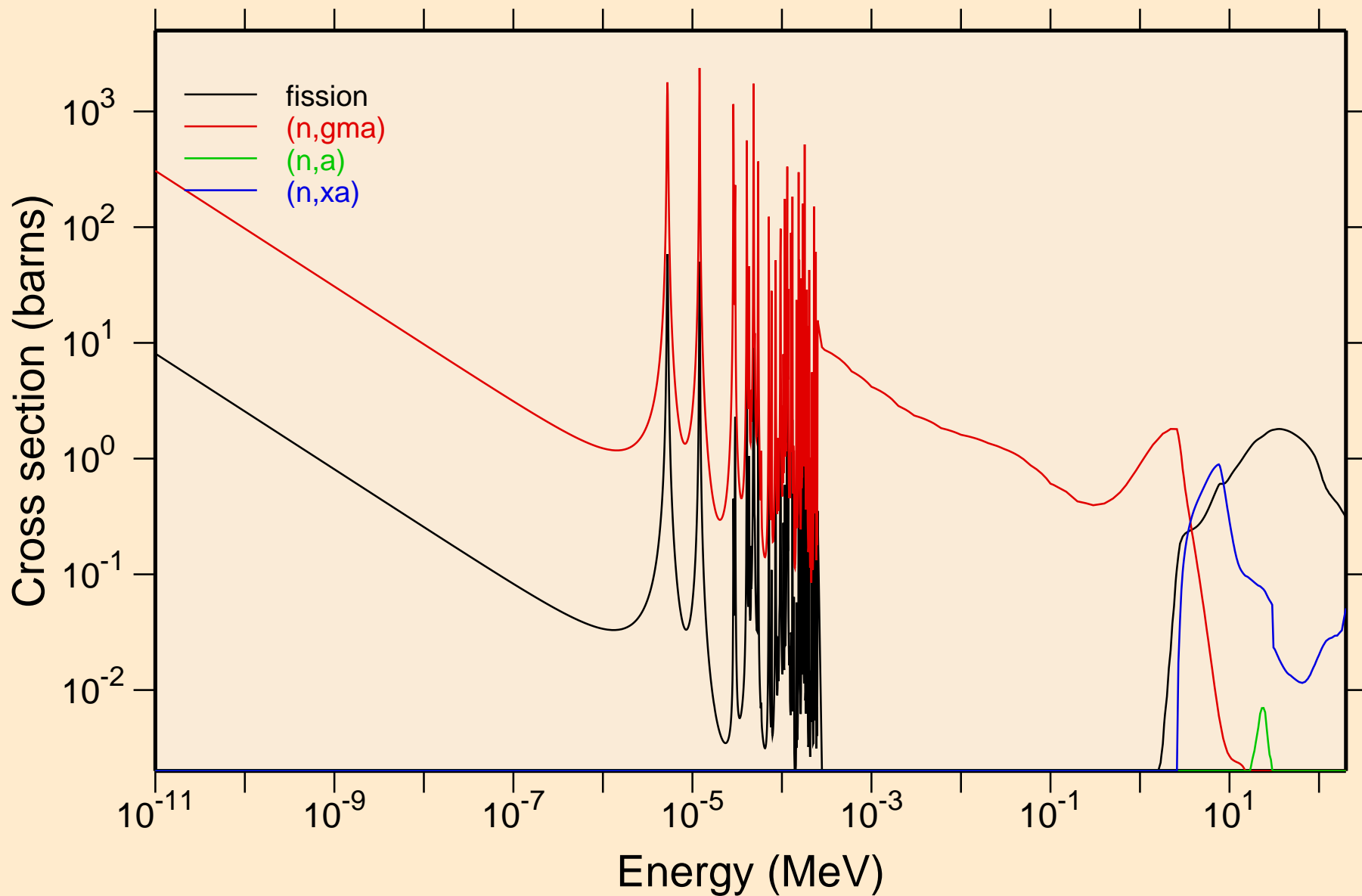
CF246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating



CF246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Damage

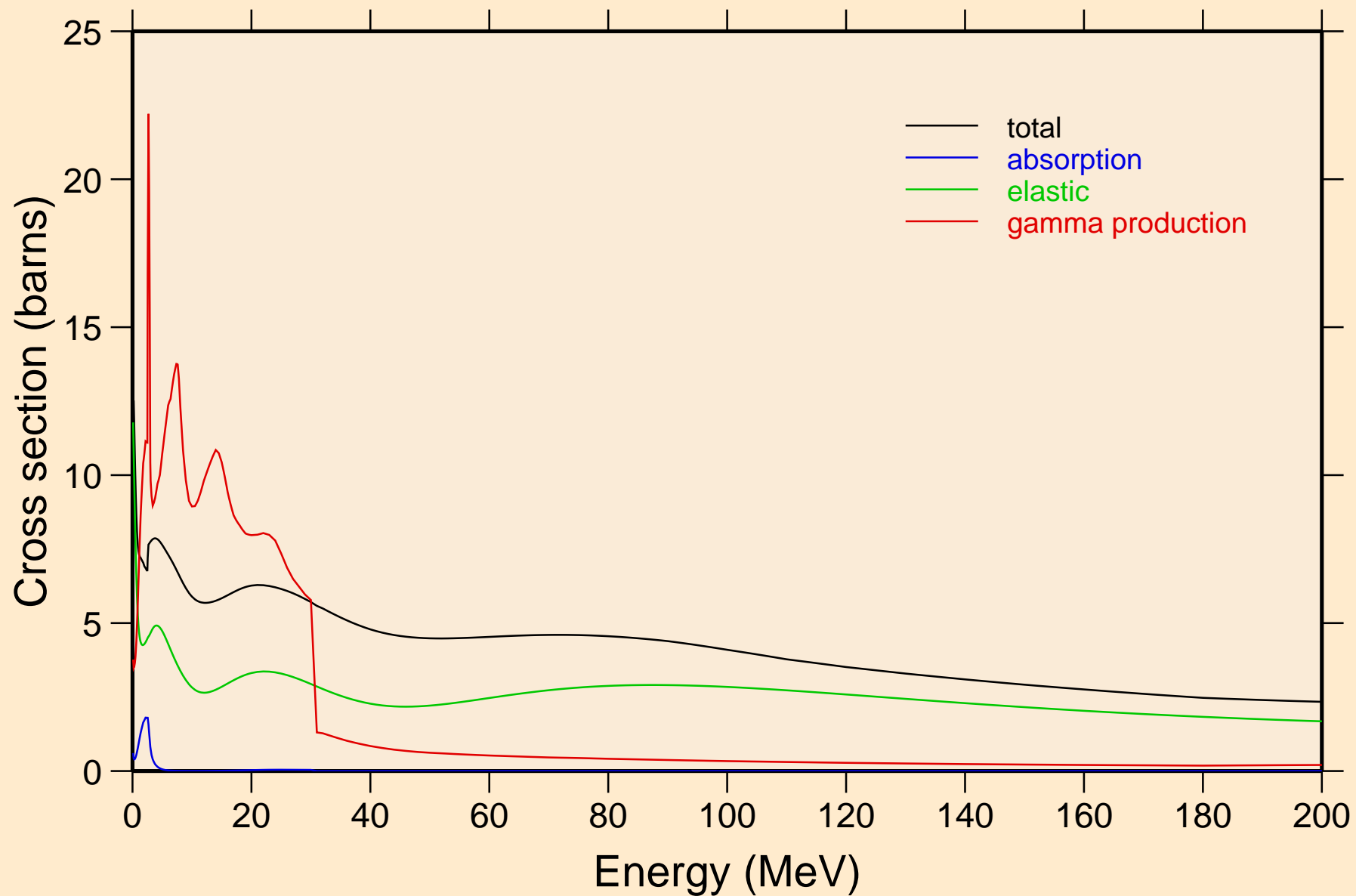


CF246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions

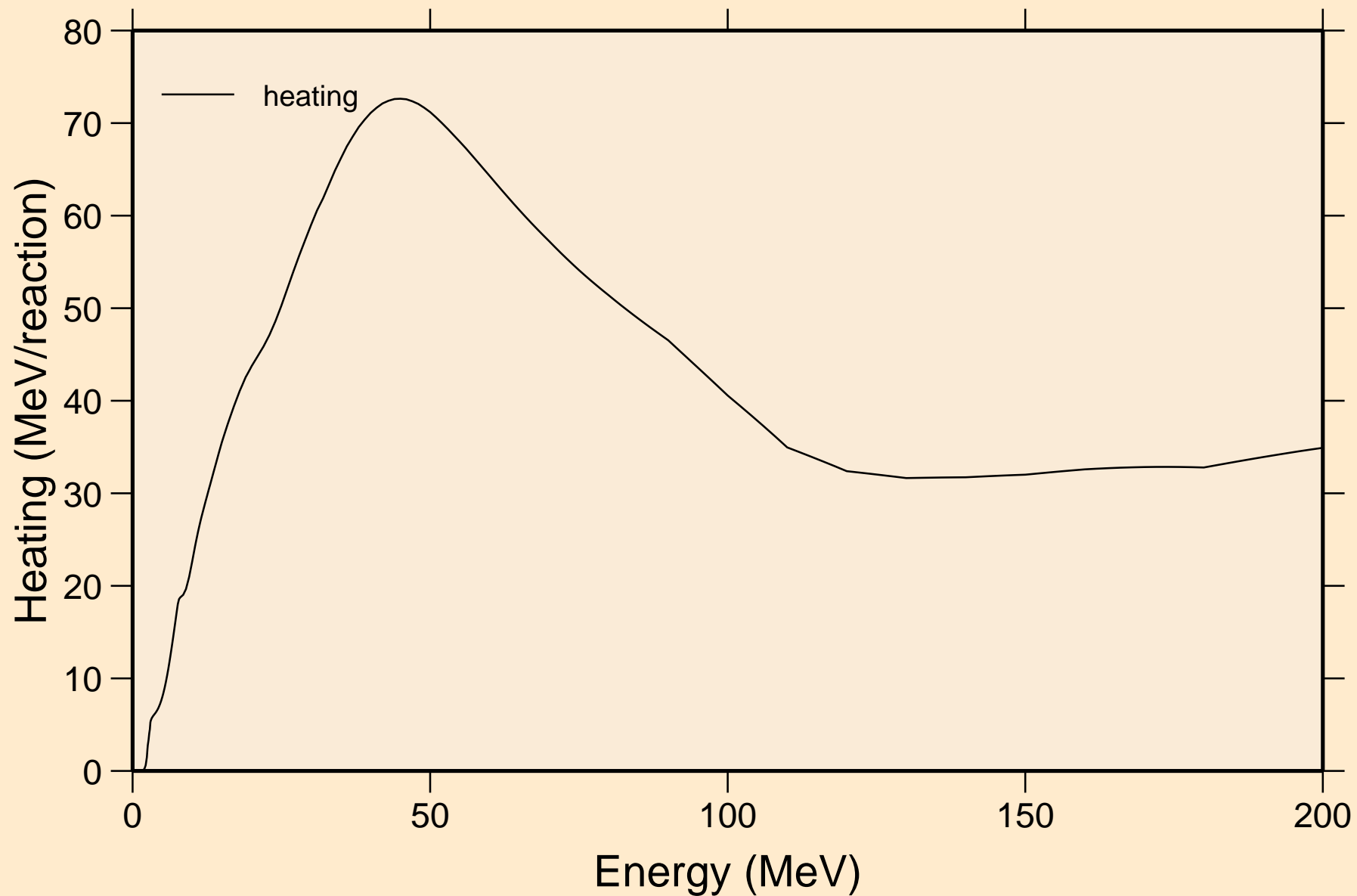


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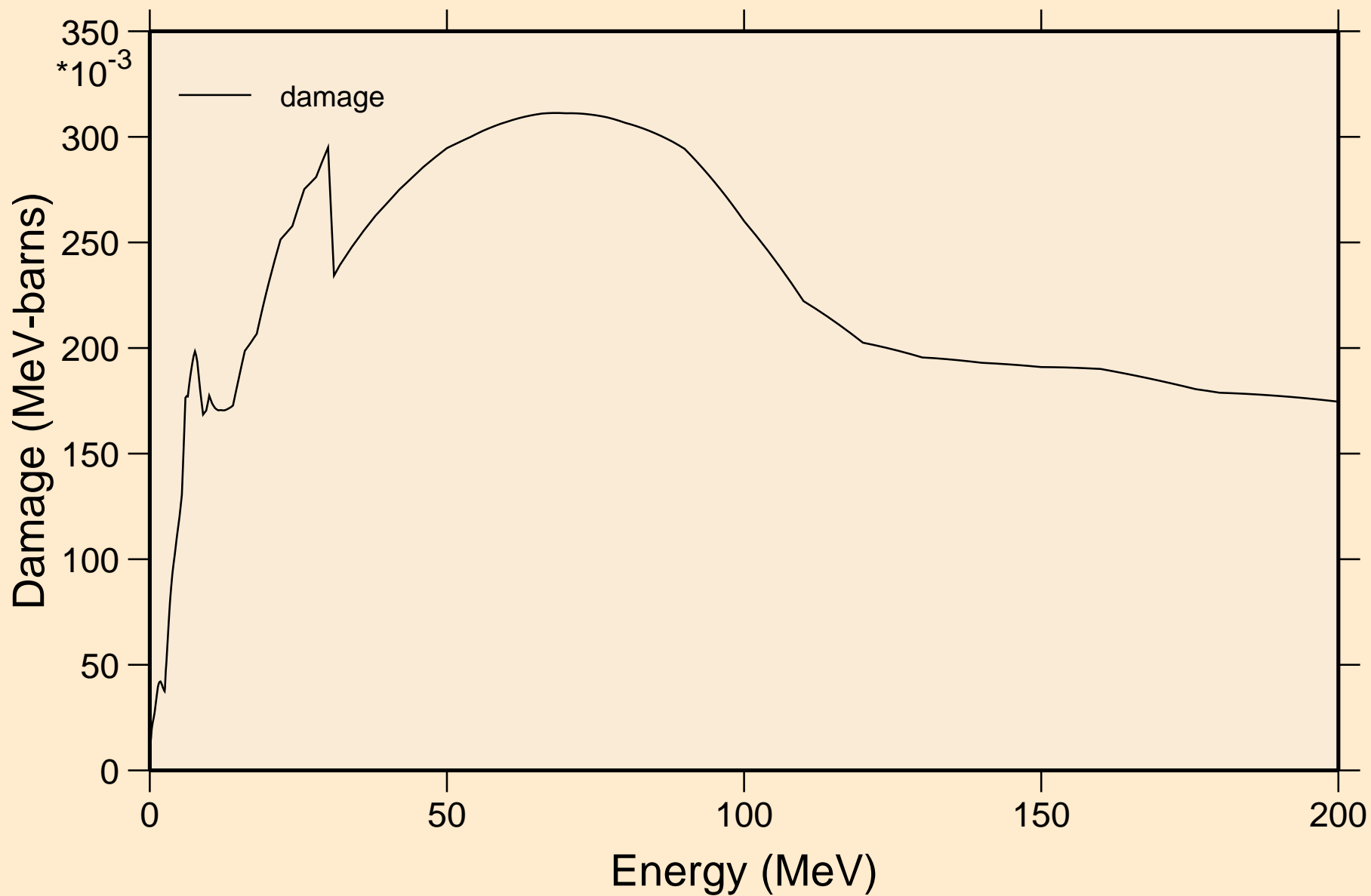
## Principal cross sections



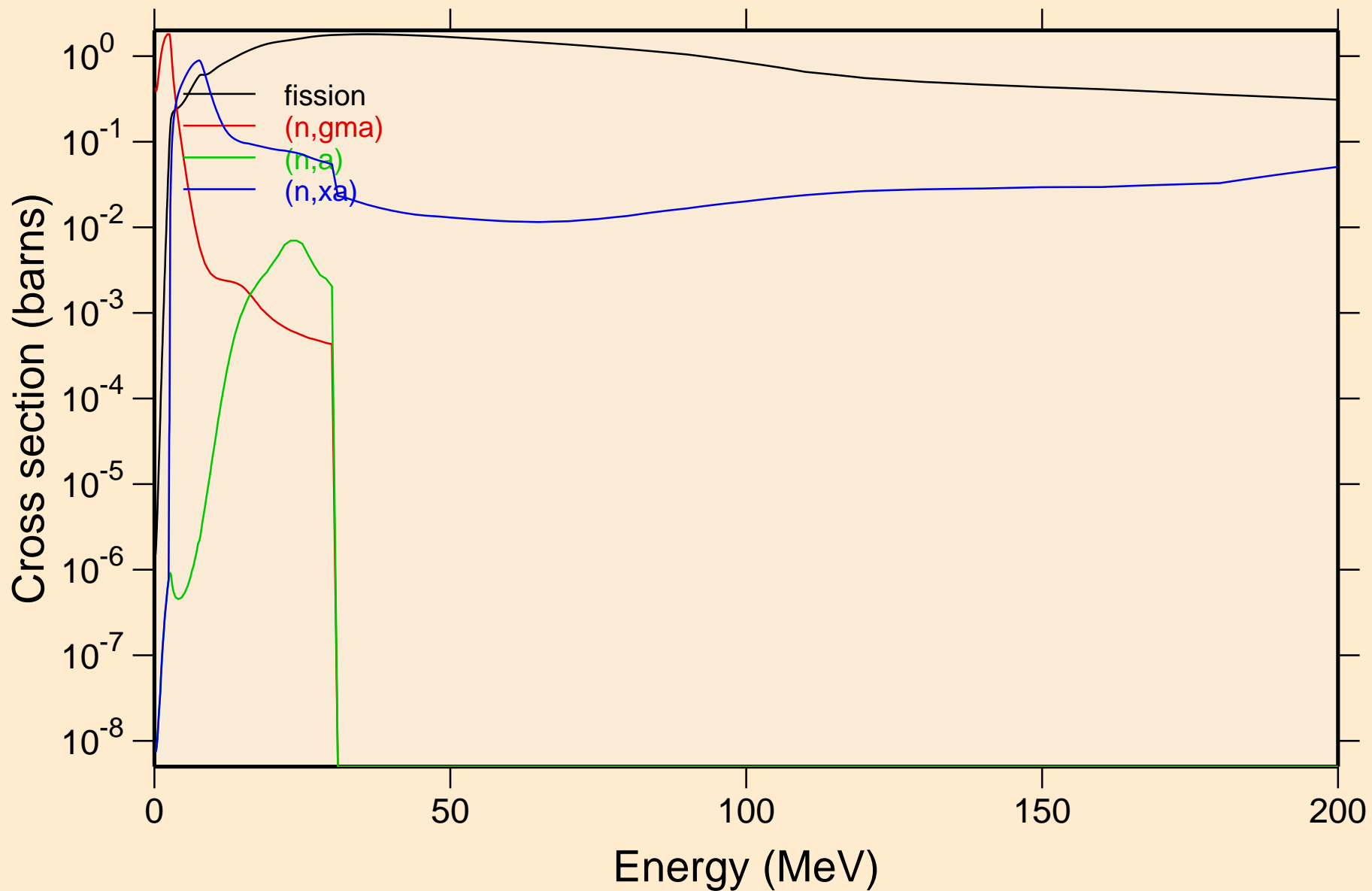
CF246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating



CF246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Damage

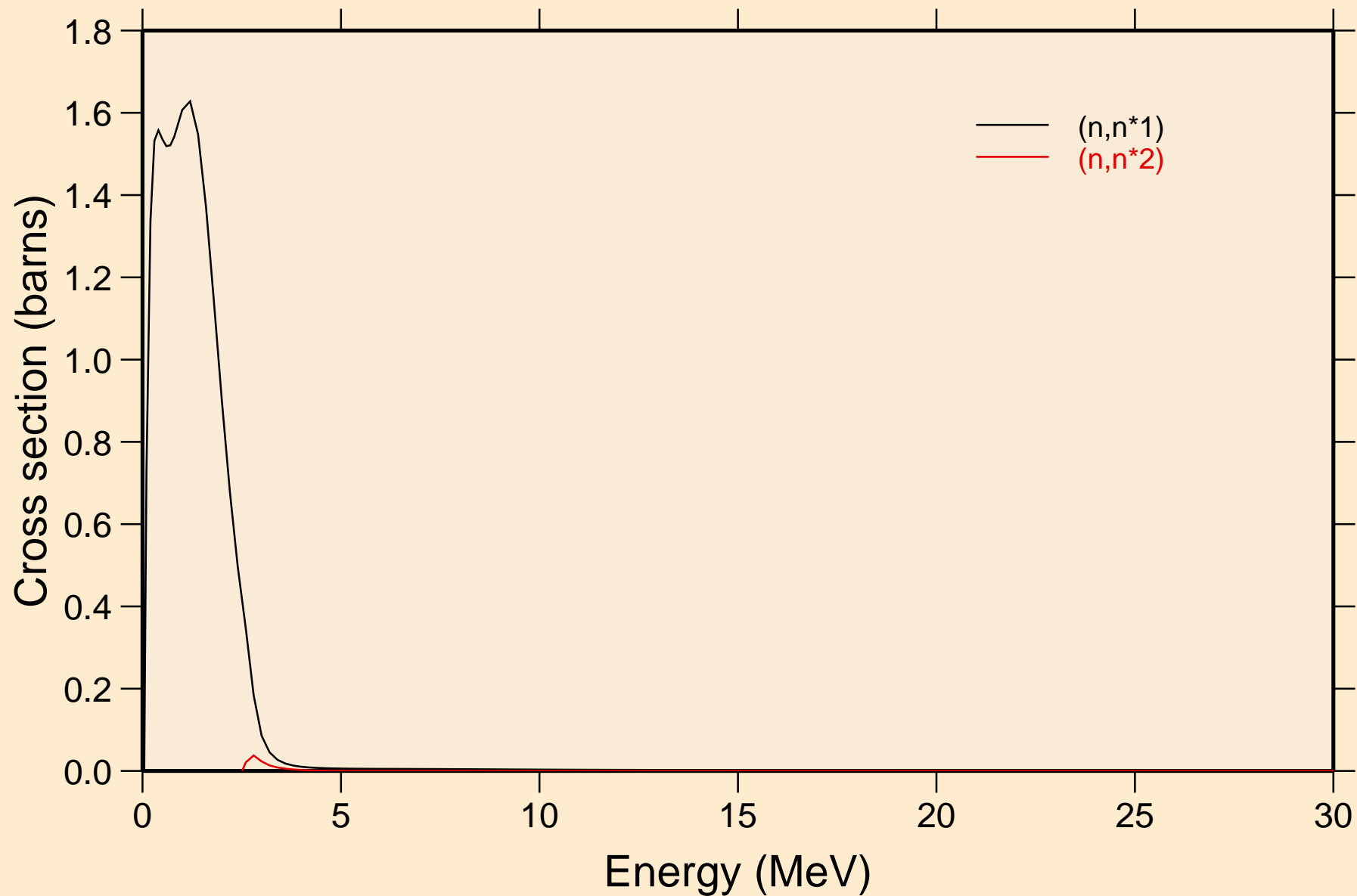


CF246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions



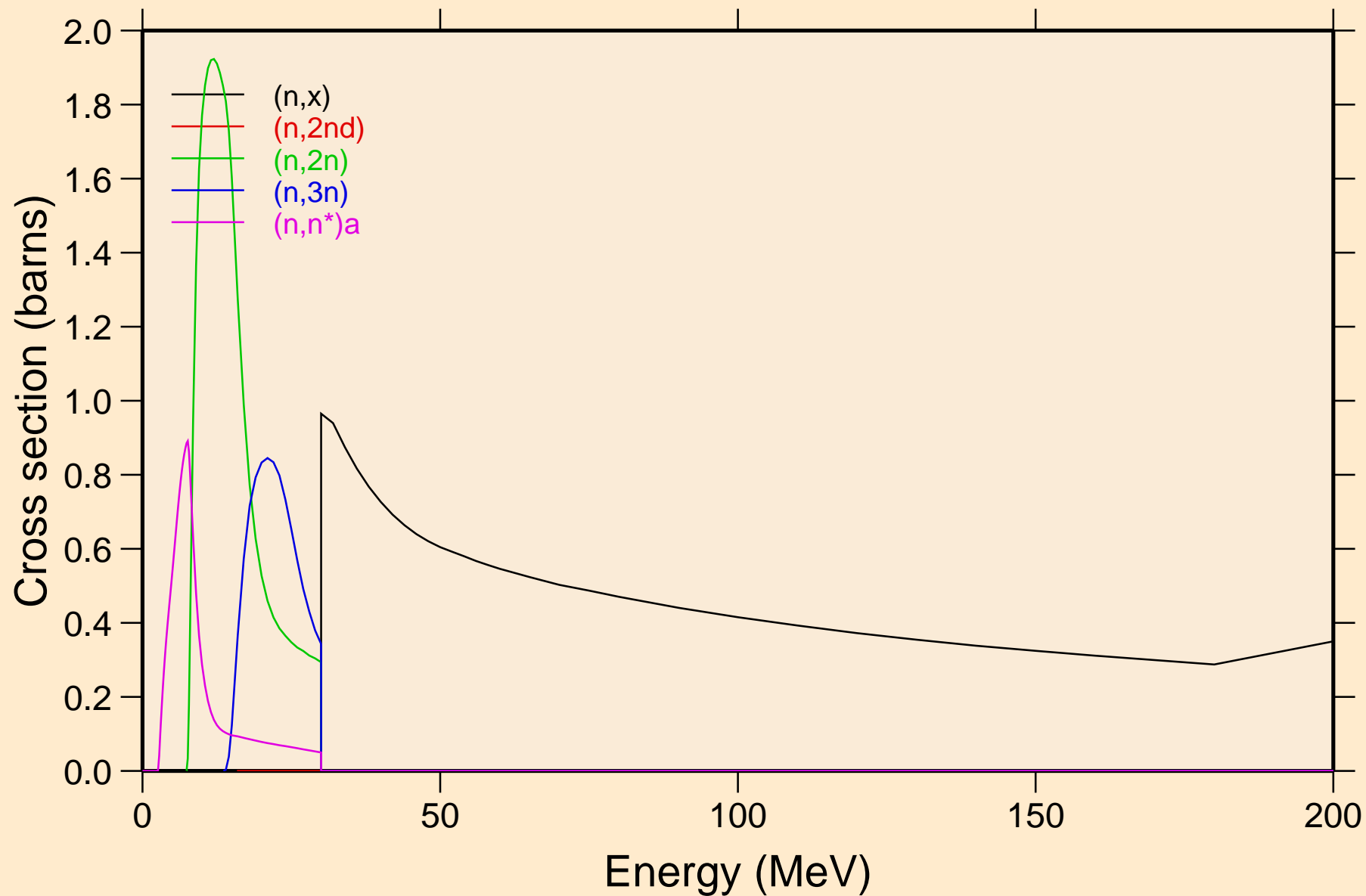


CF246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels

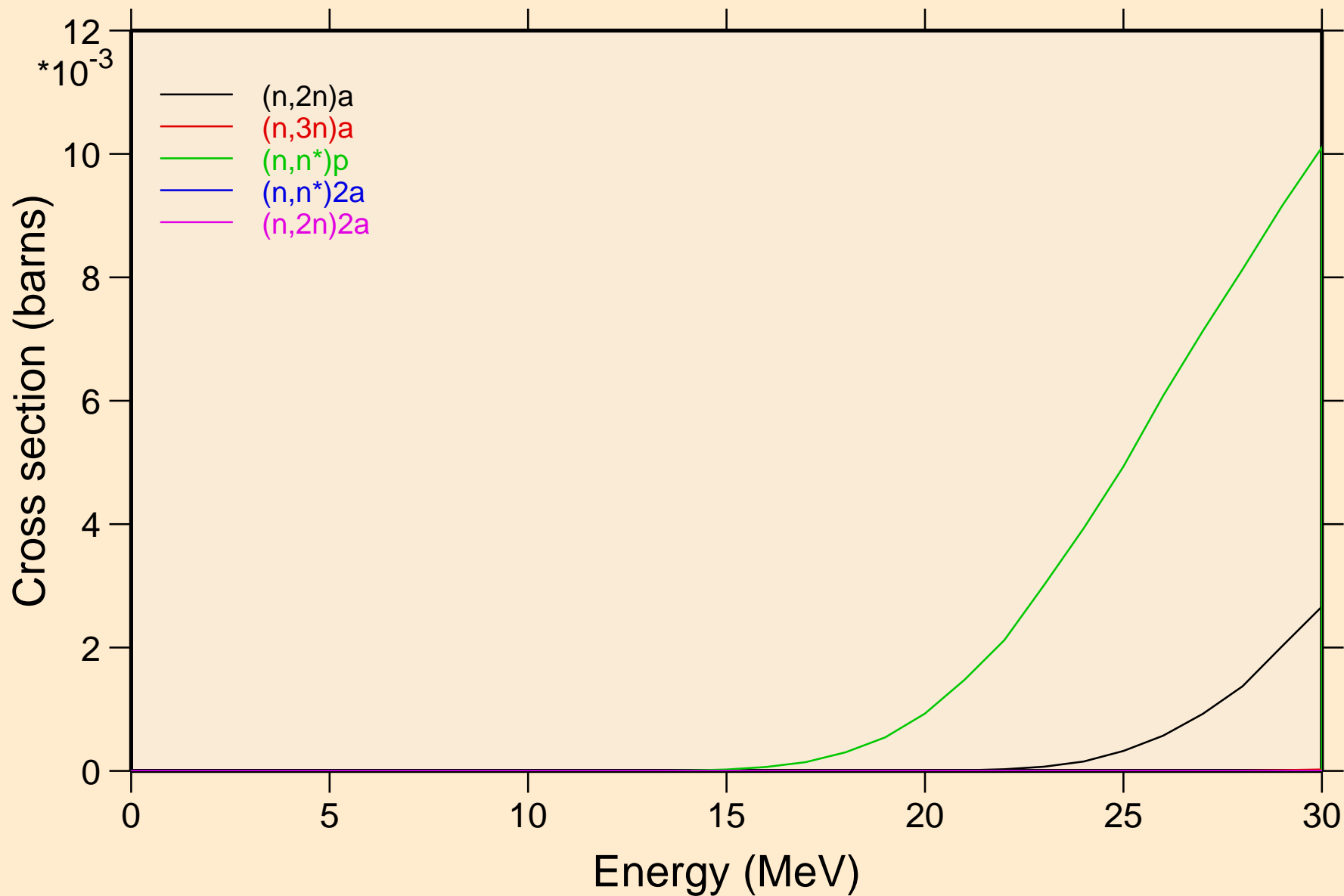


# CF246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Threshold reactions

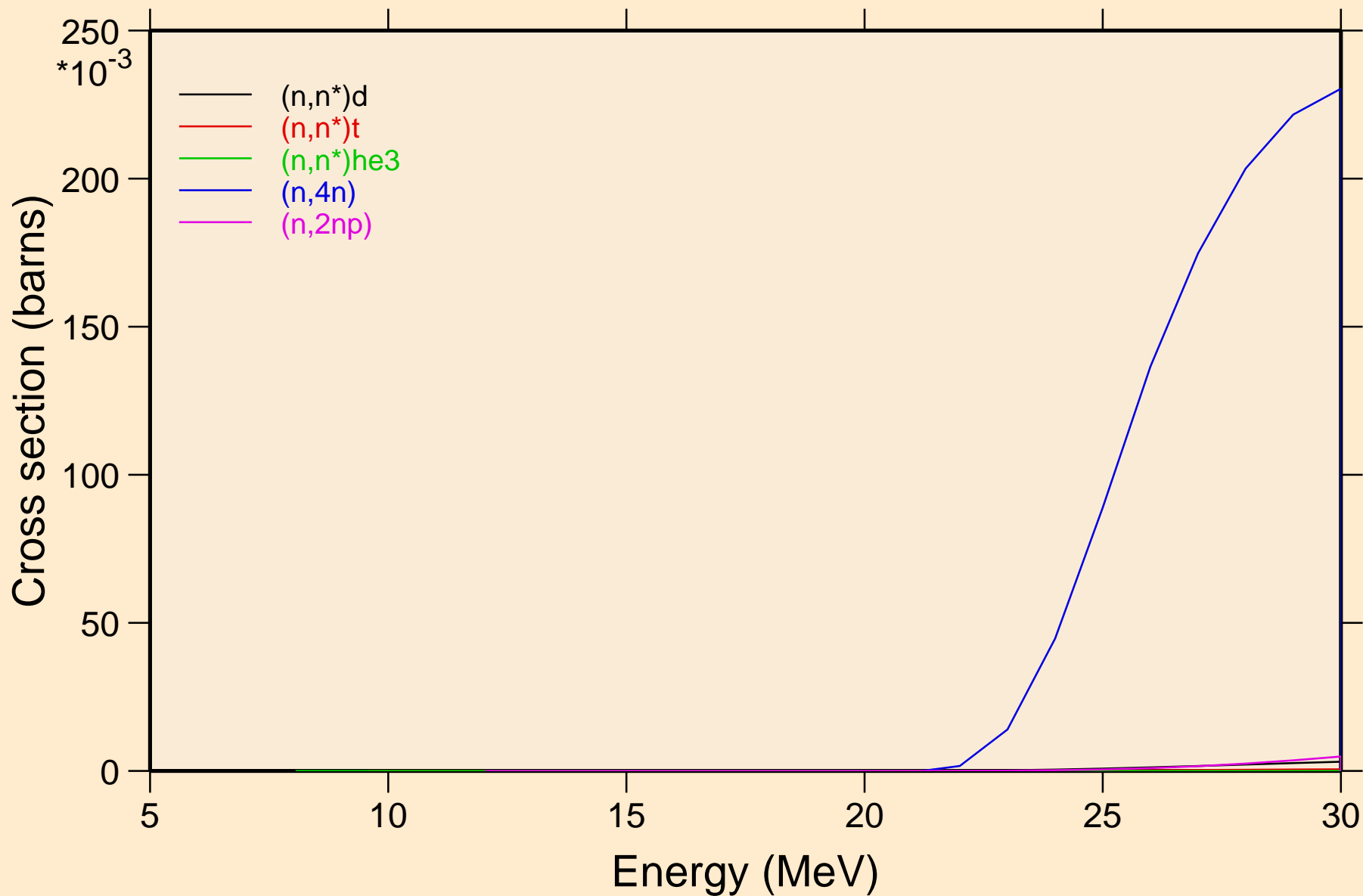


CF246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

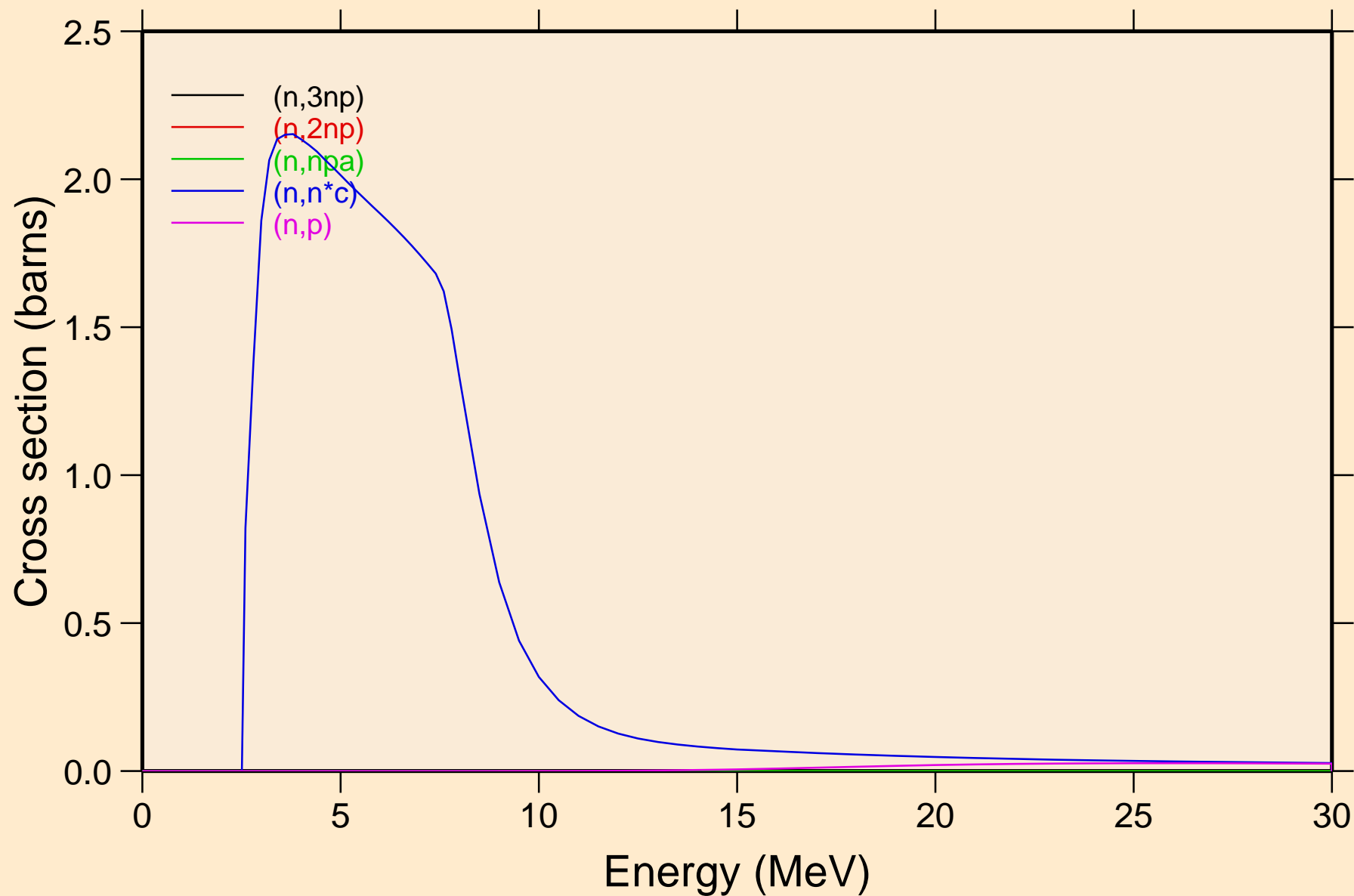


# CF246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

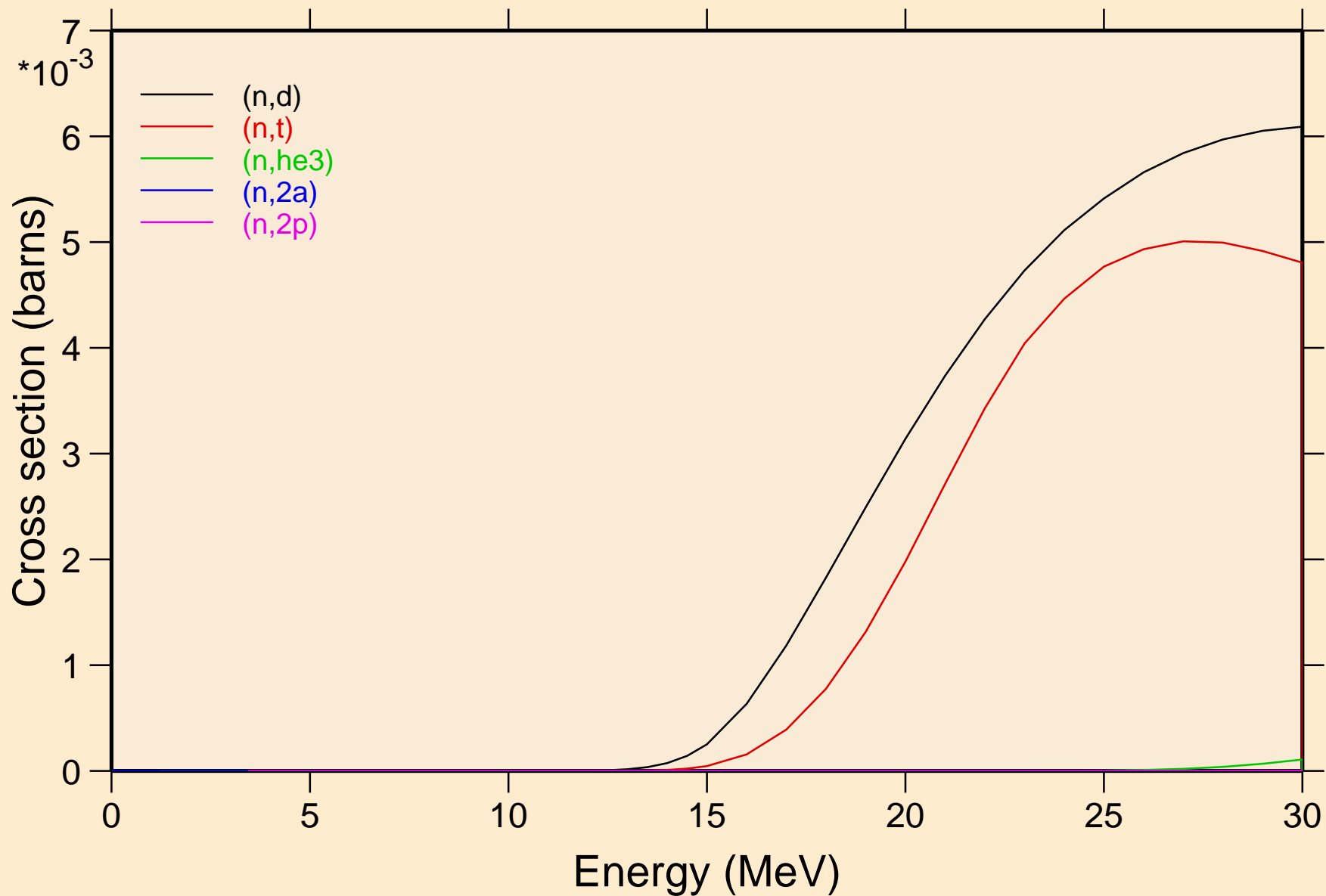
## Threshold reactions



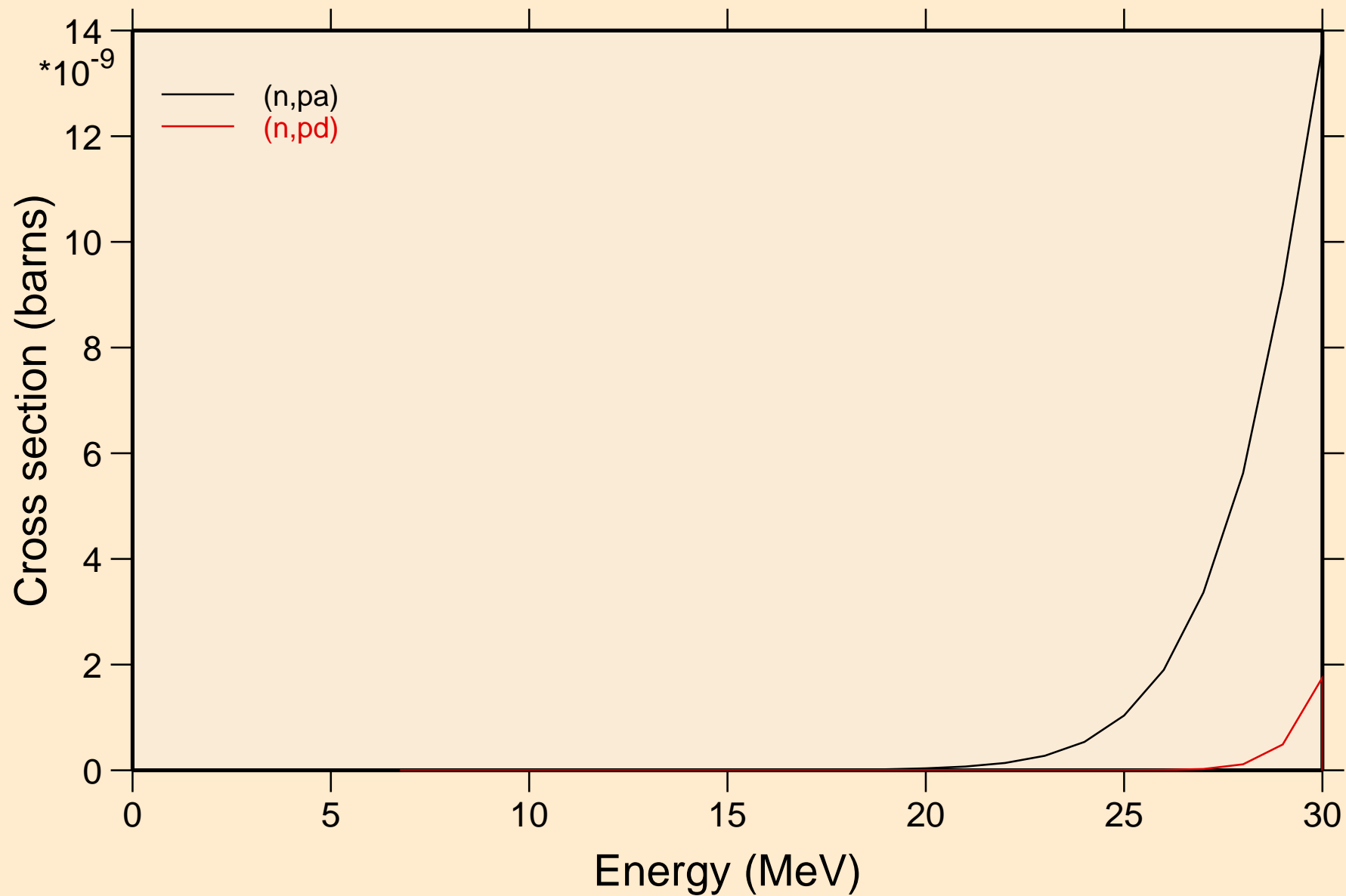
CF246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



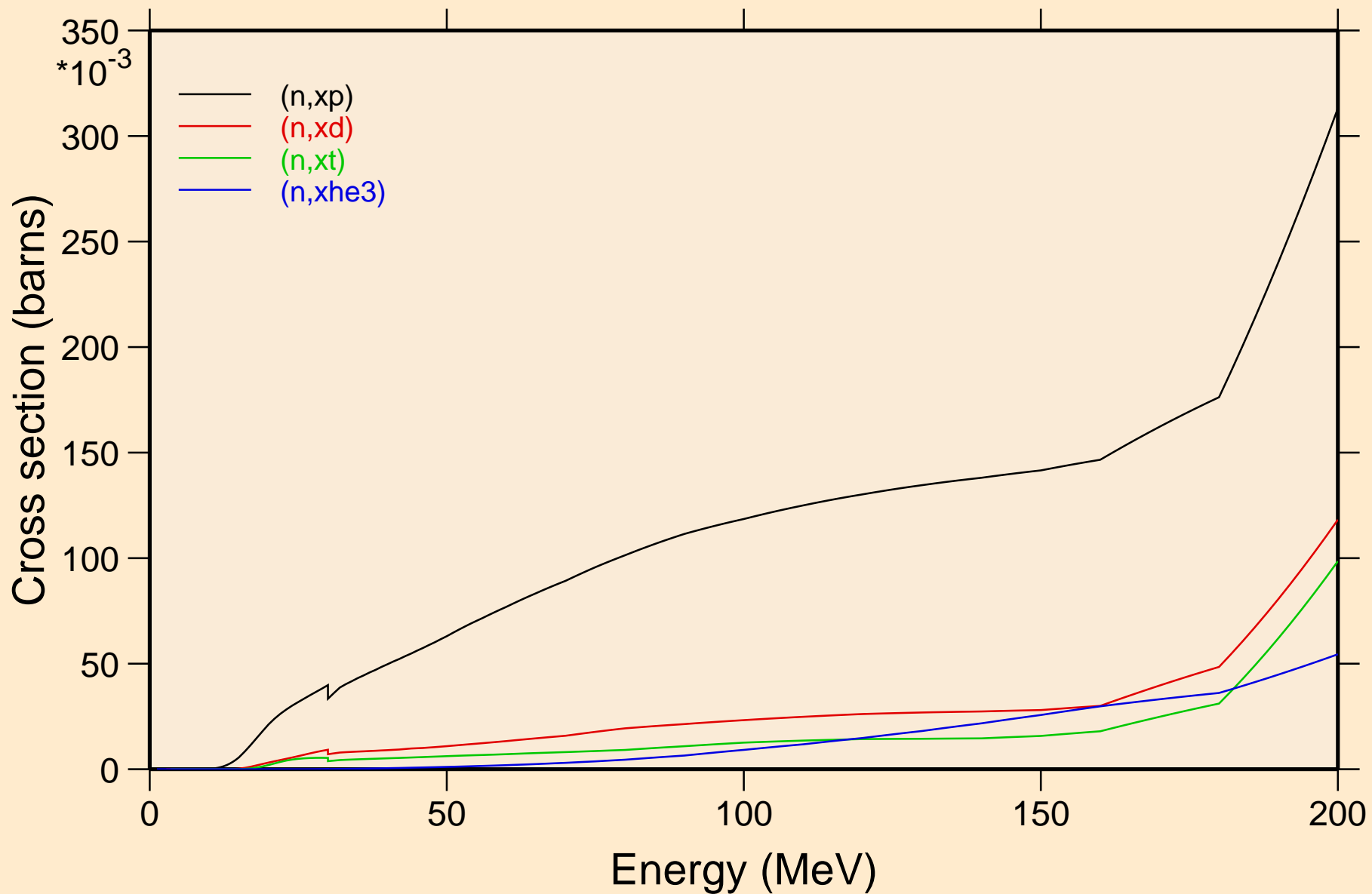
CF246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



CF246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

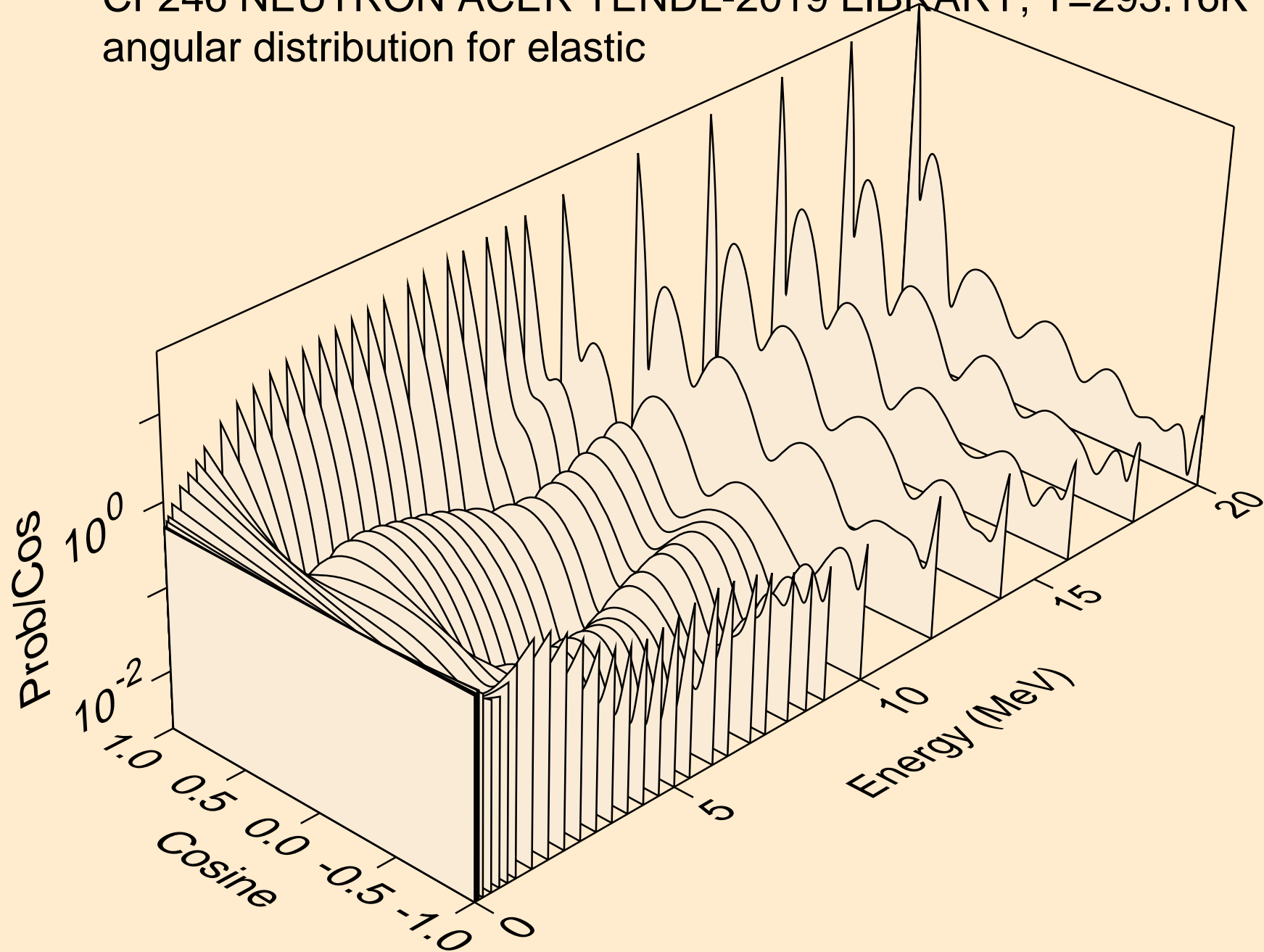


CF246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

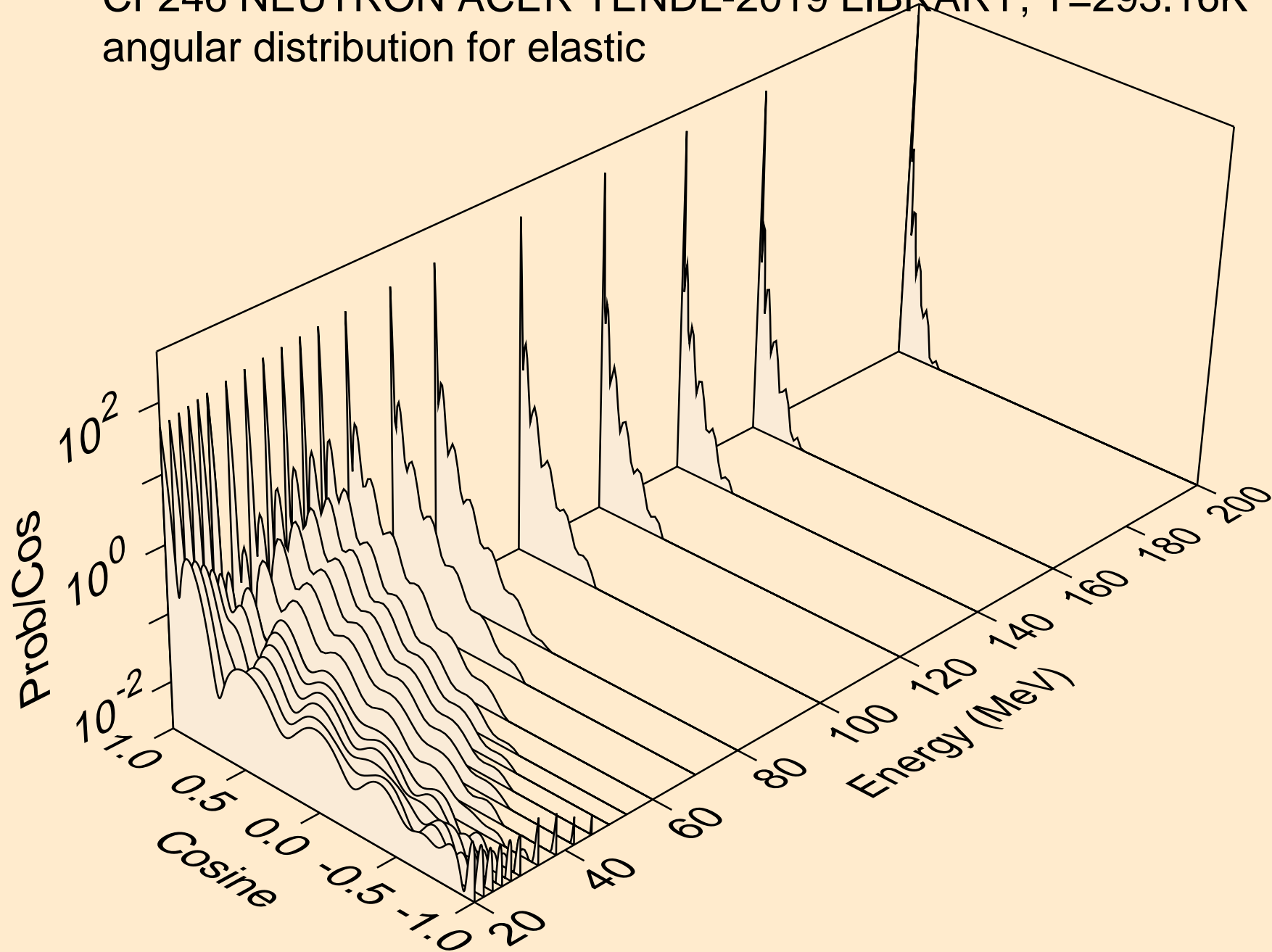




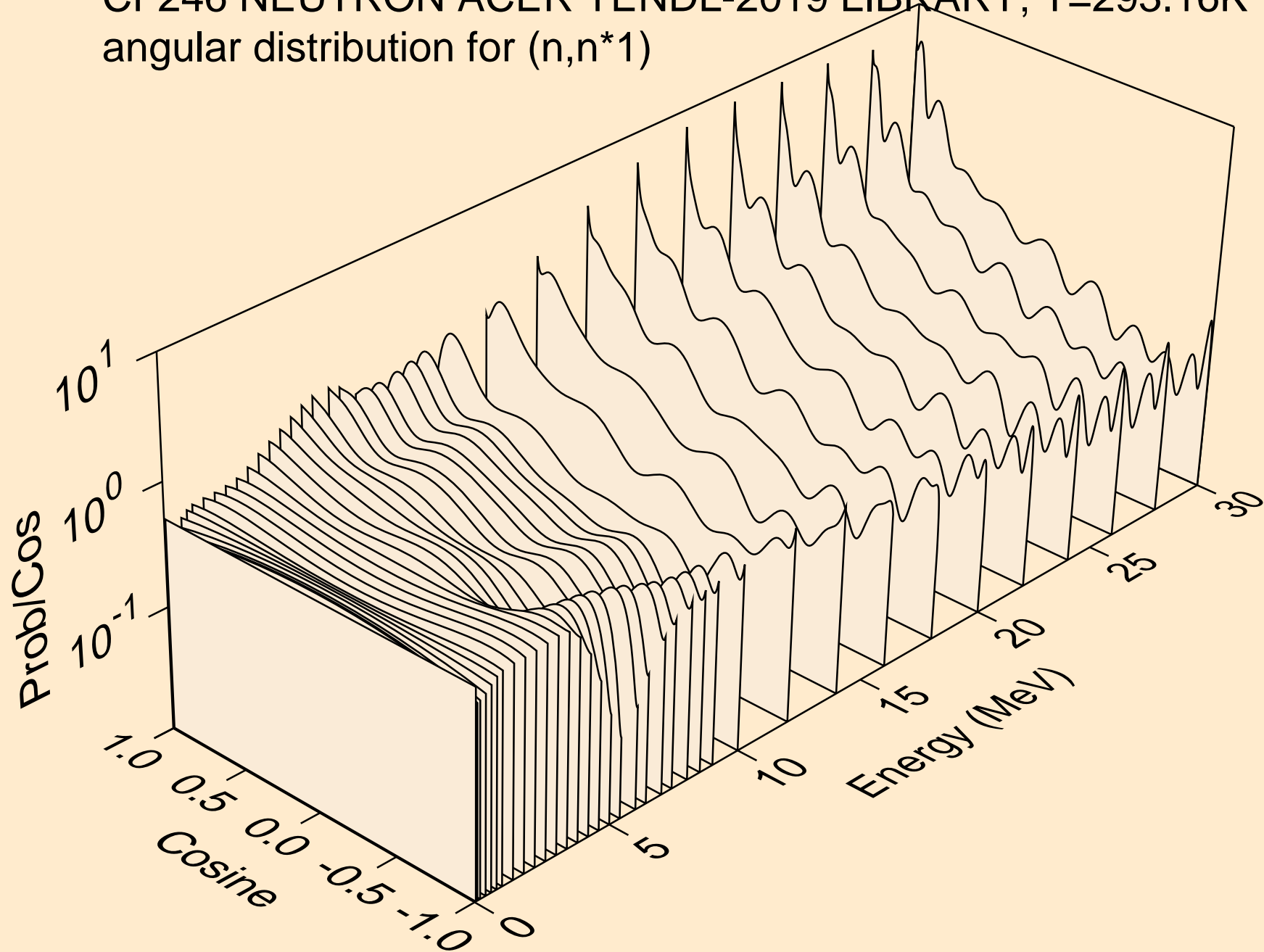
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angular distribution for elastic



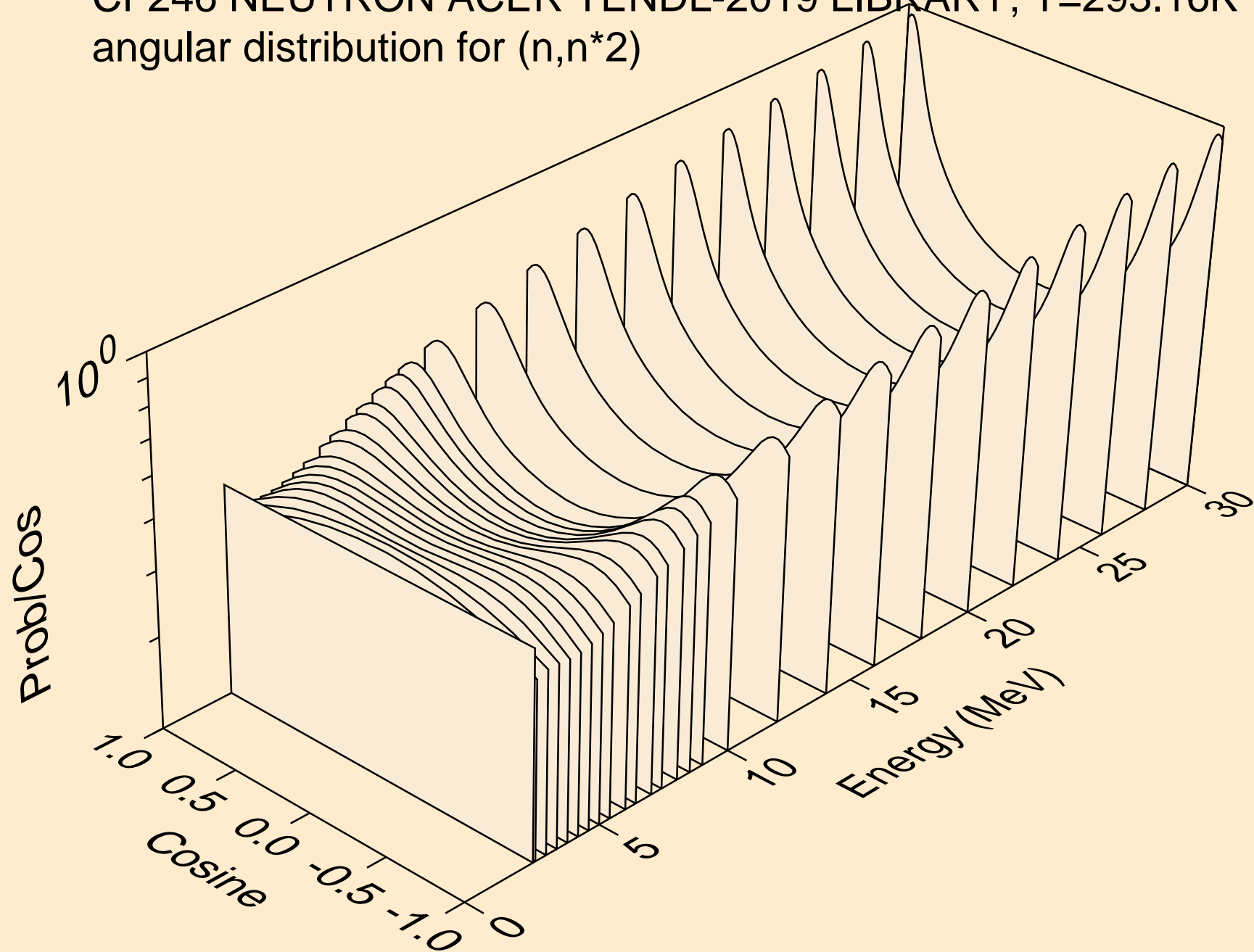
CF246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic



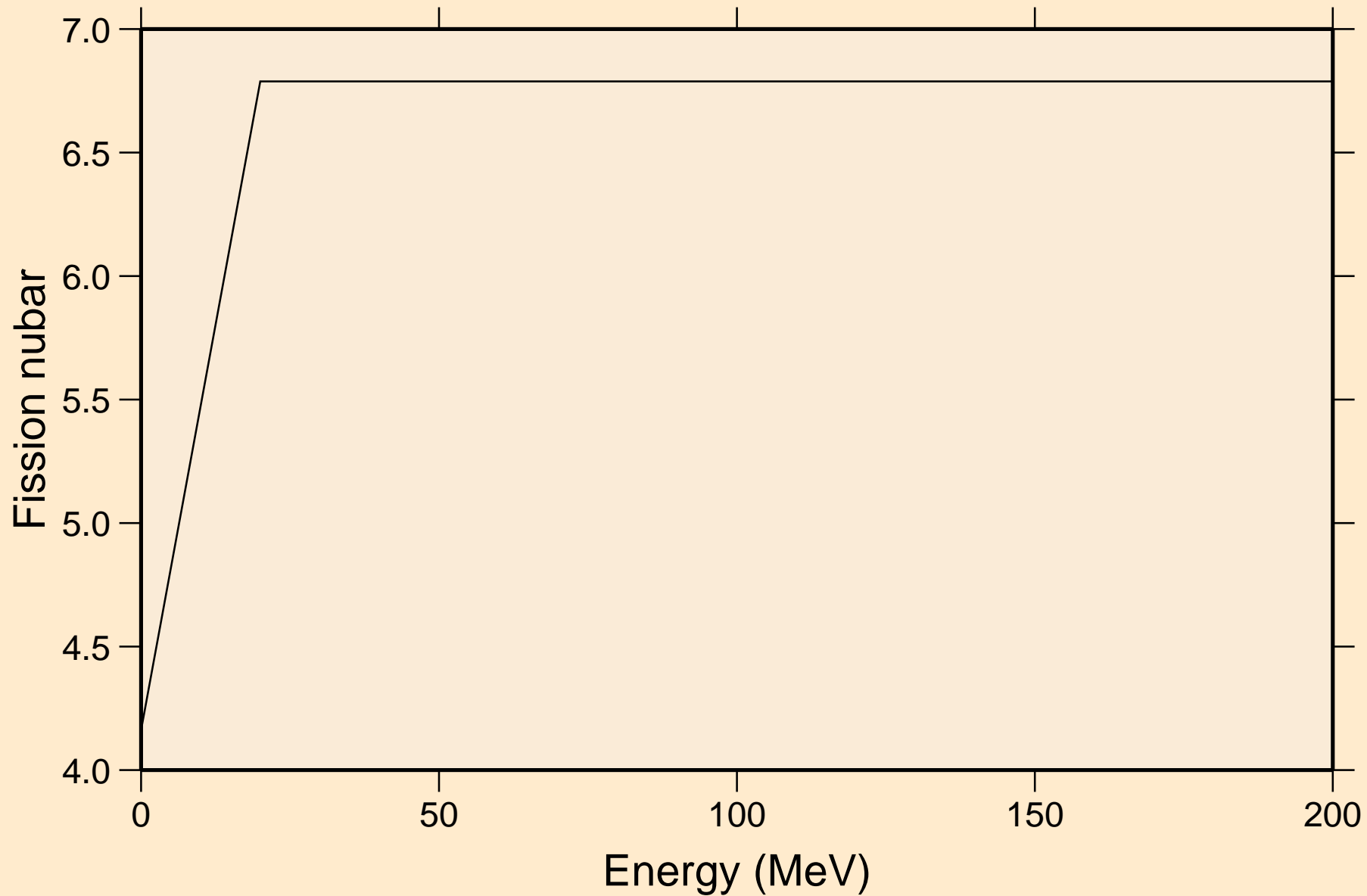
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angular distribution for (n,n\*1)



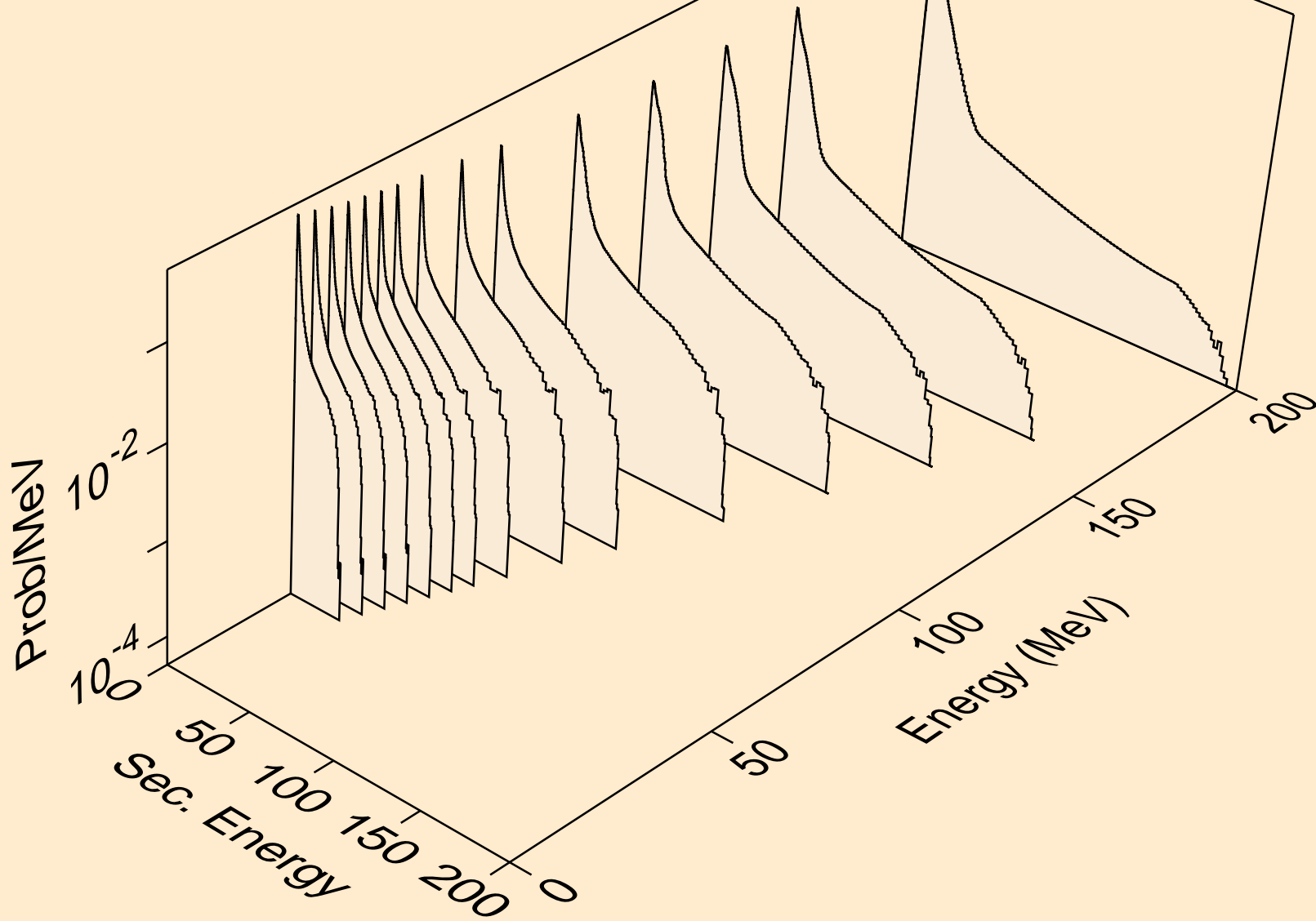
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angular distribution for (n,n\*2)



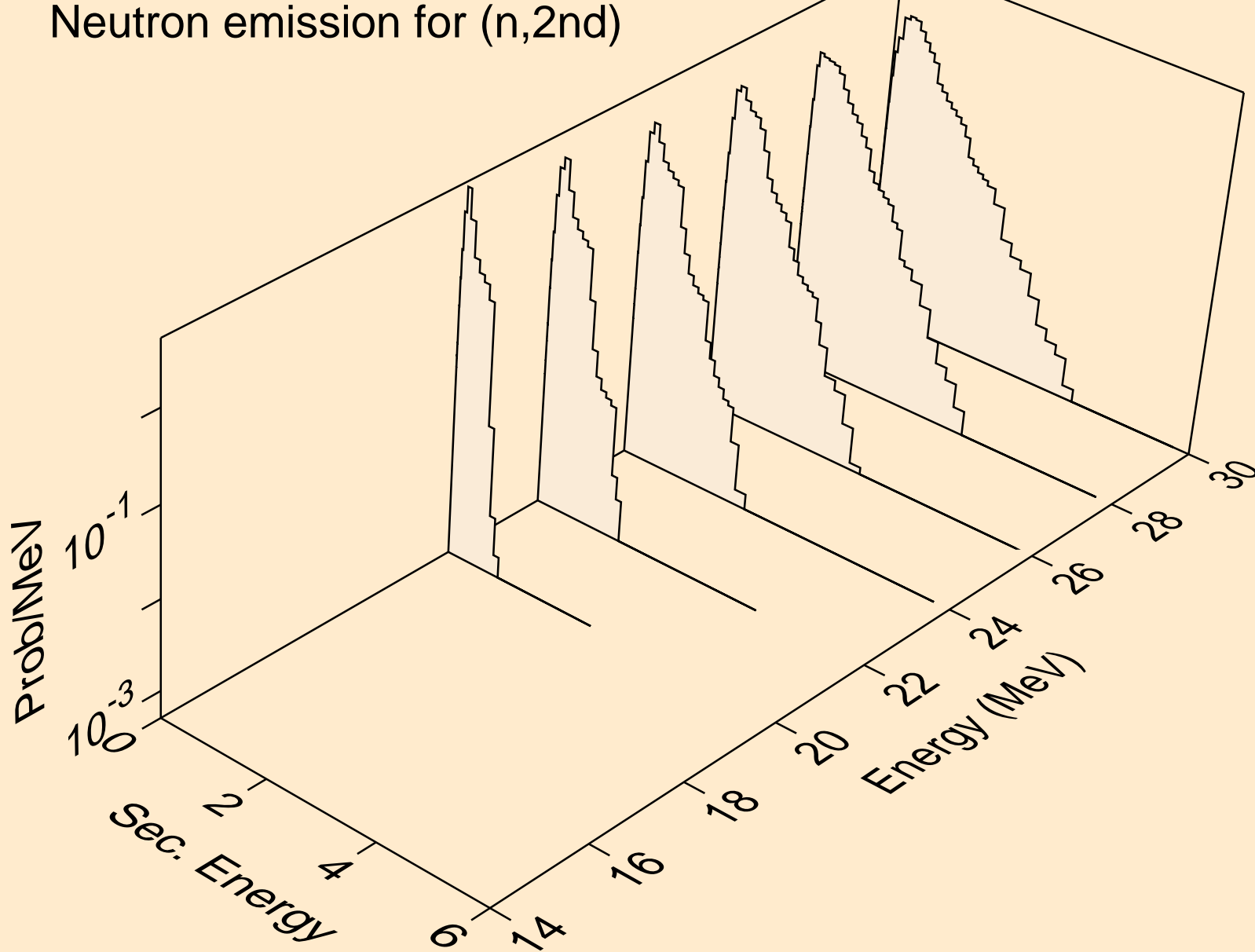
CF246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Total fission nubar



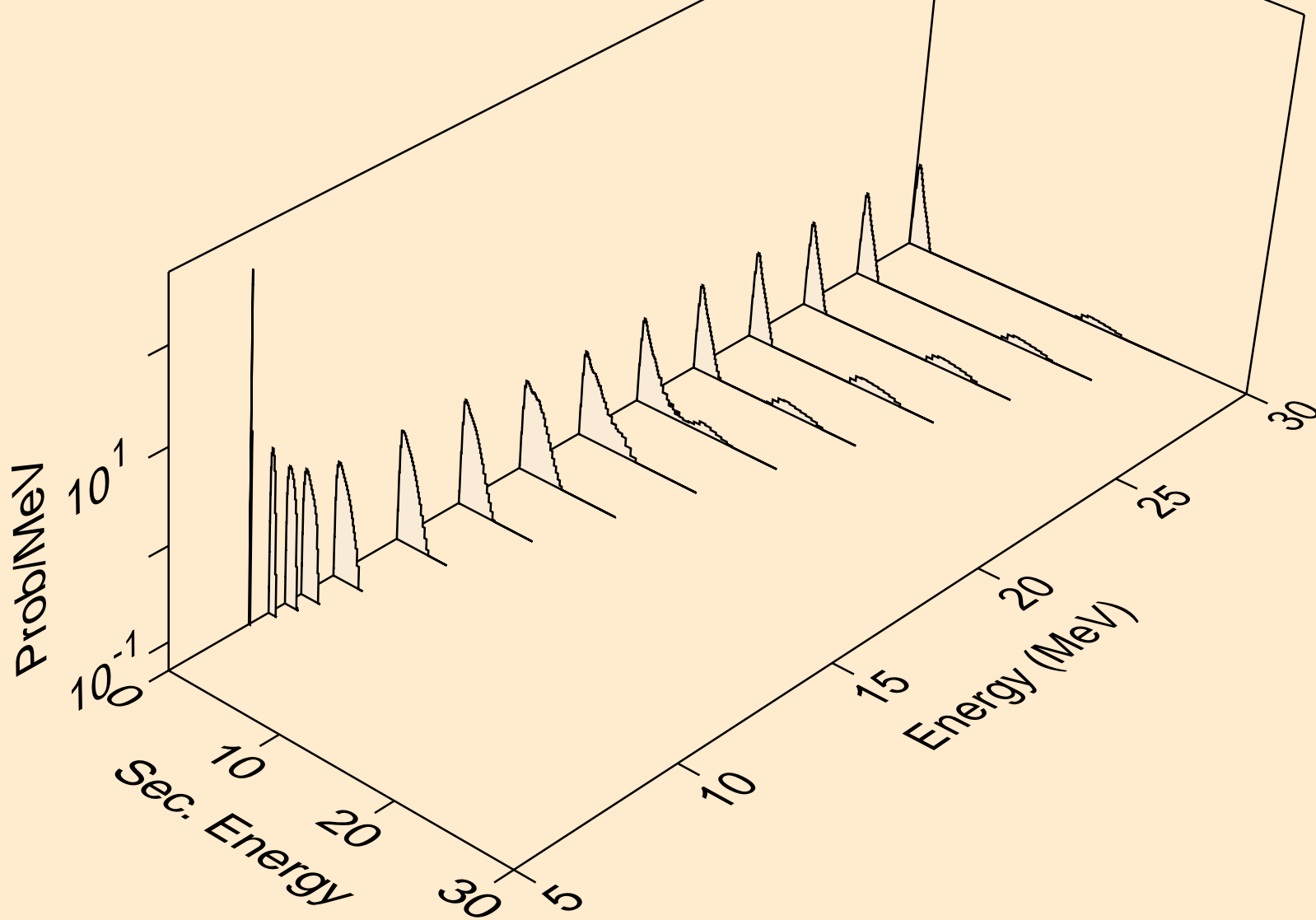
CF246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,x)



CF246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2nd)

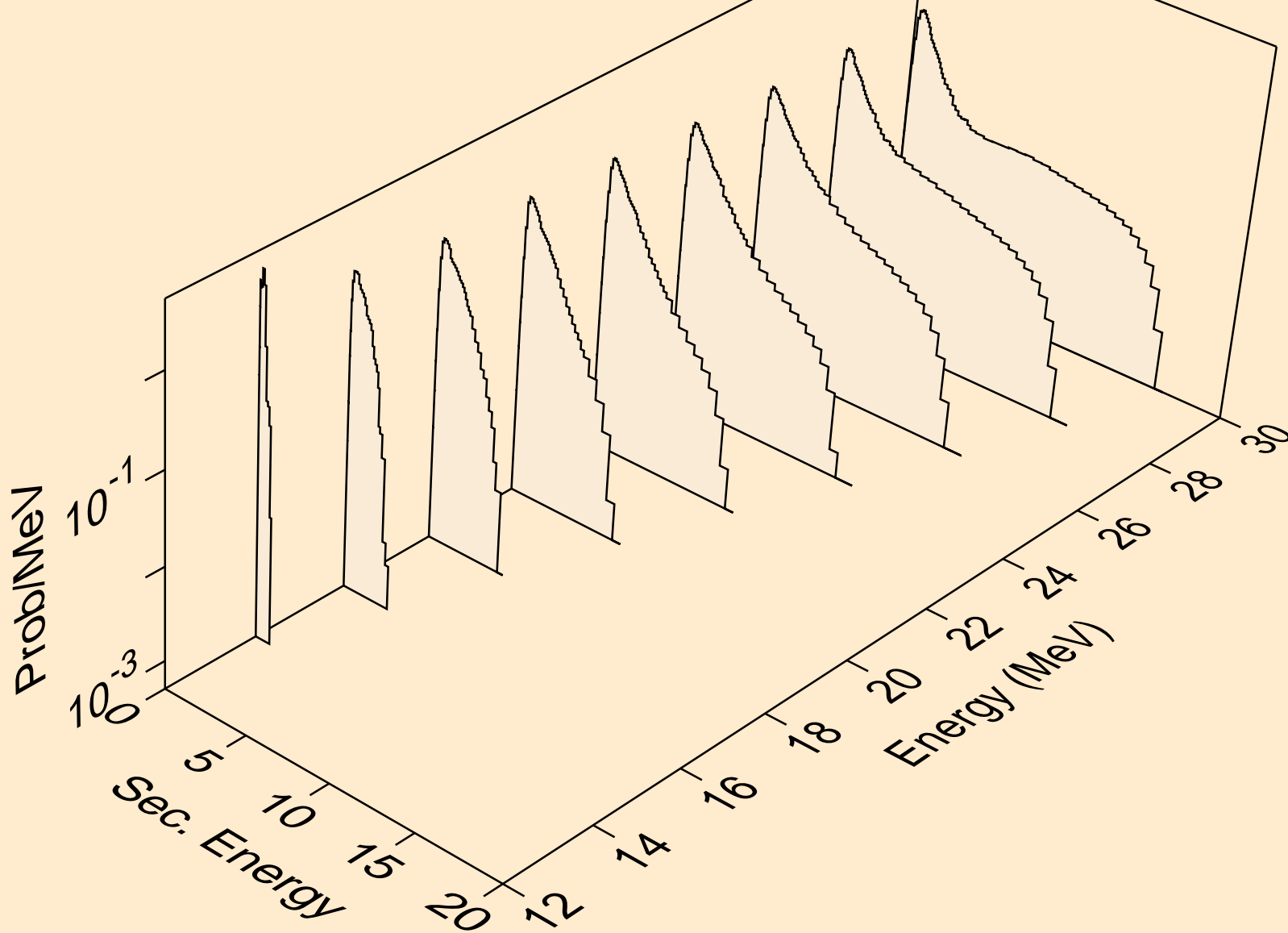


CF246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)

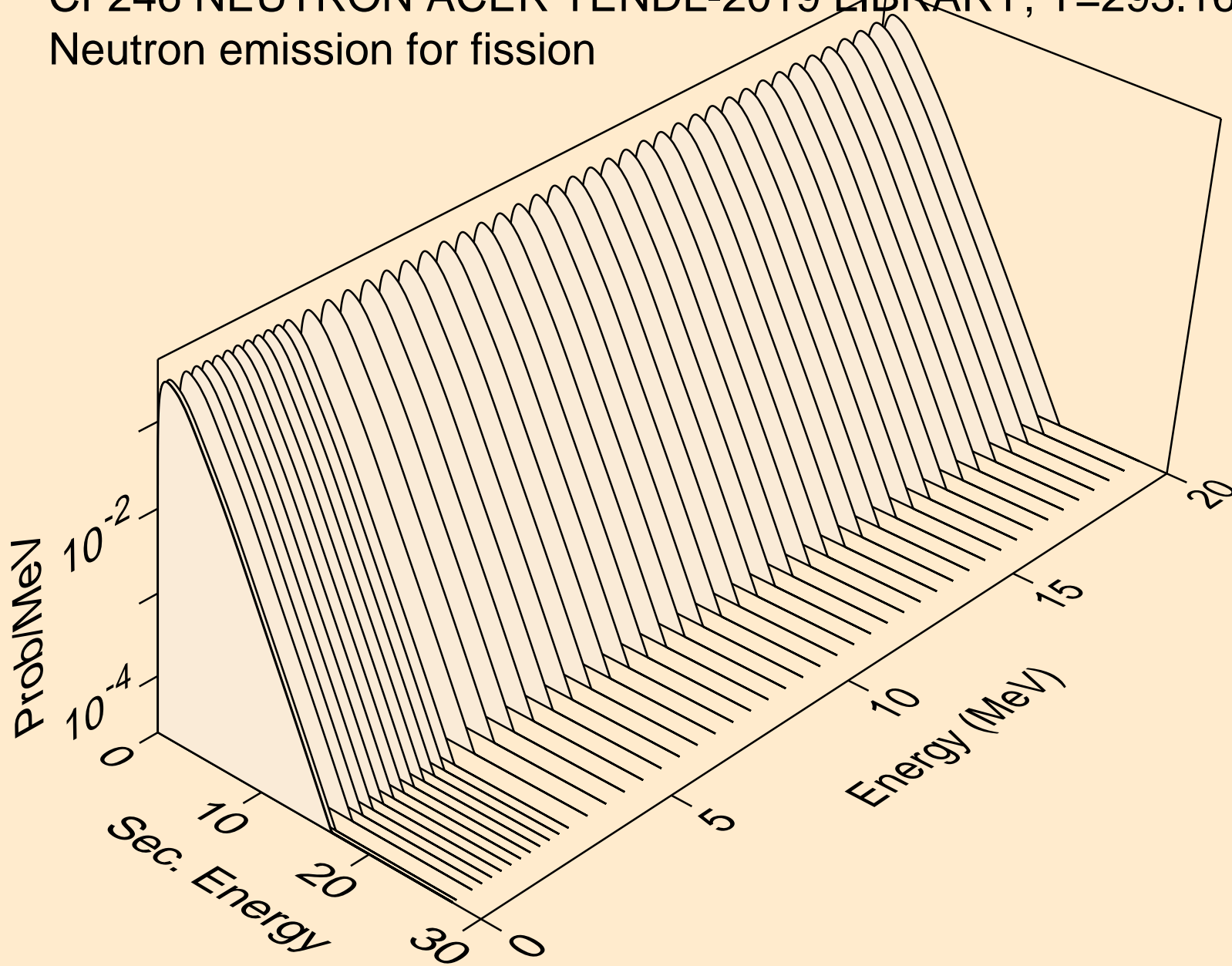




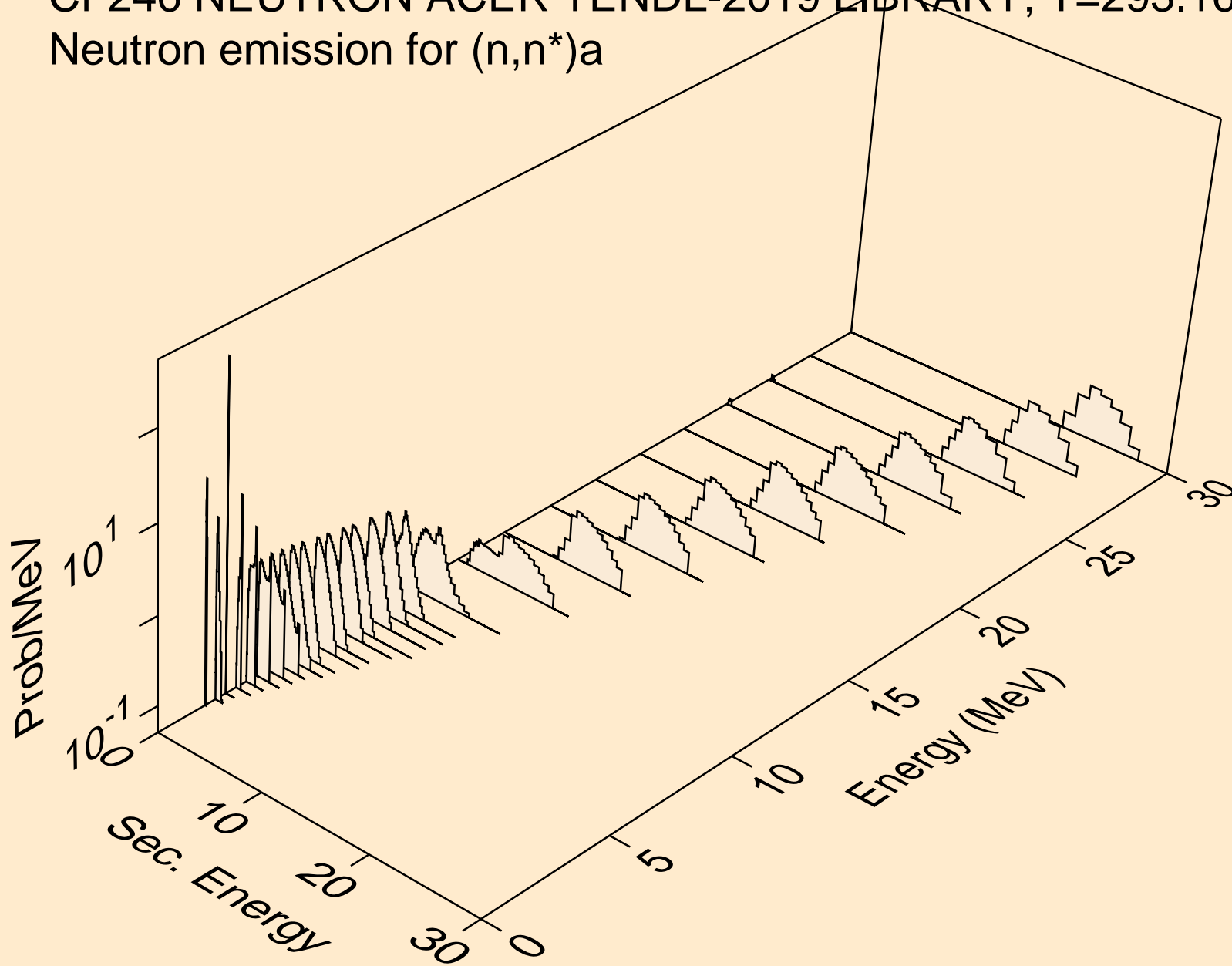
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Neutron emission for (n,3n)



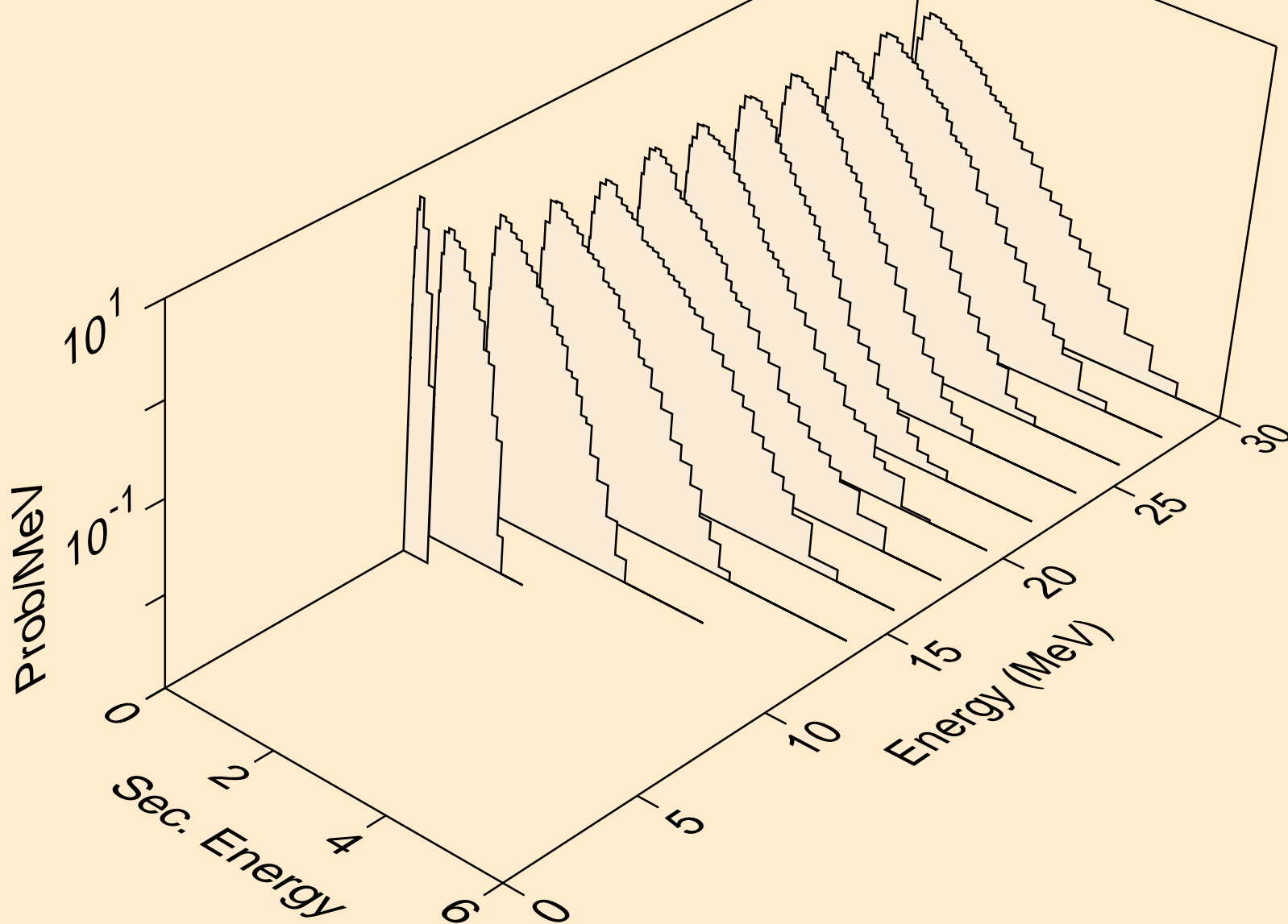
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Neutron emission for fission



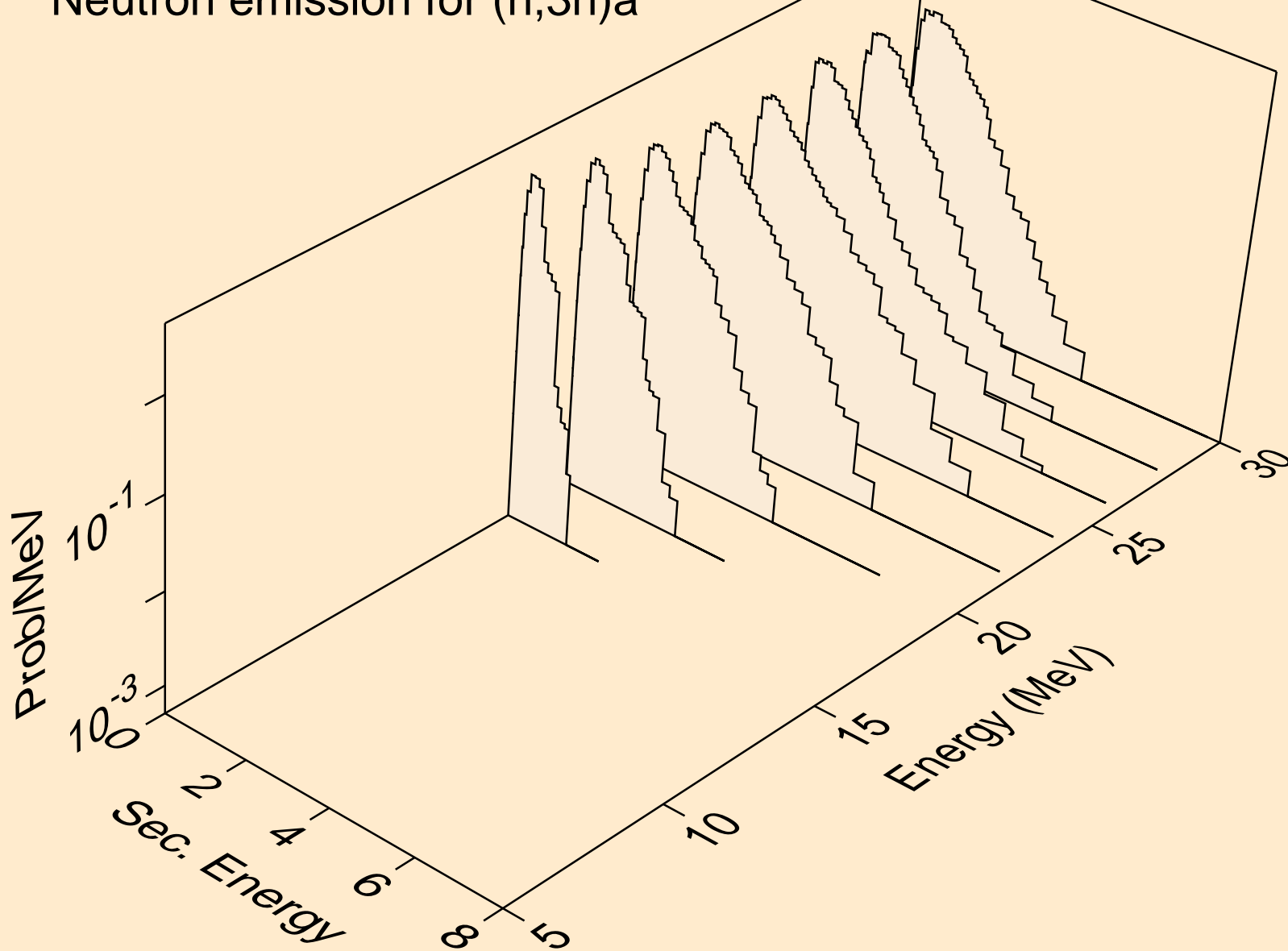
CF246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)a



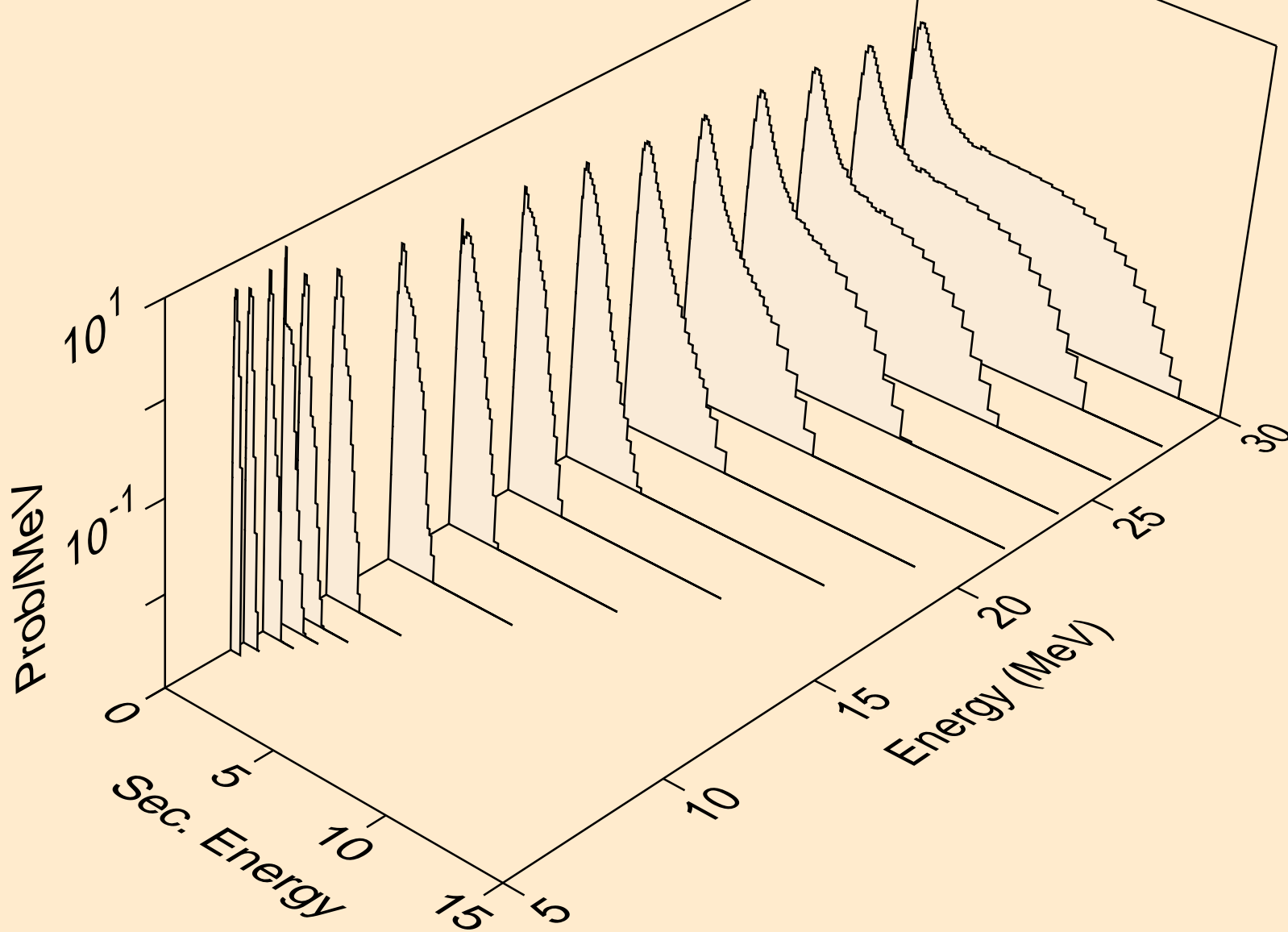
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Neutron emission for (n,2n)a



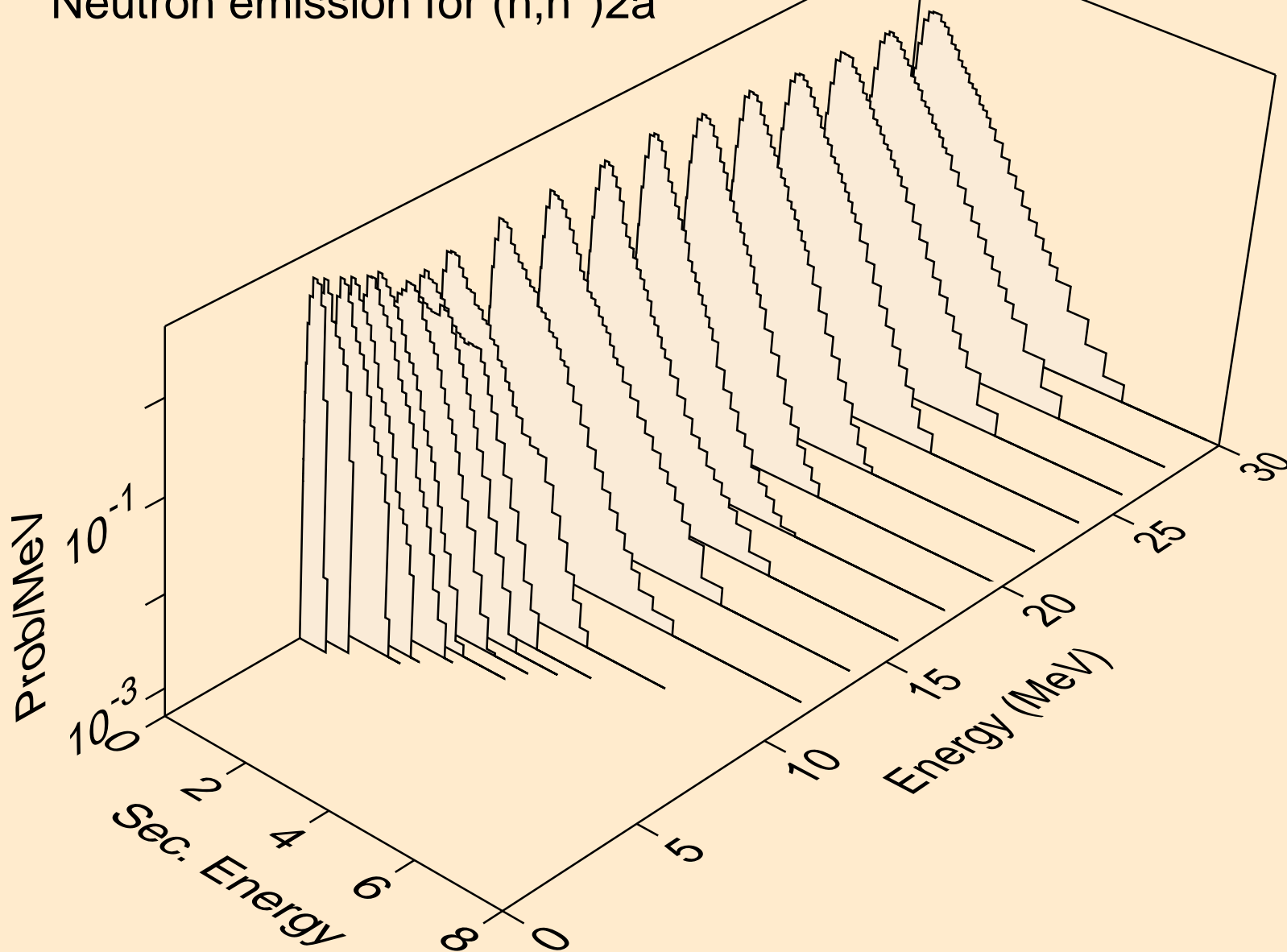
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Neutron emission for (n,3n)a



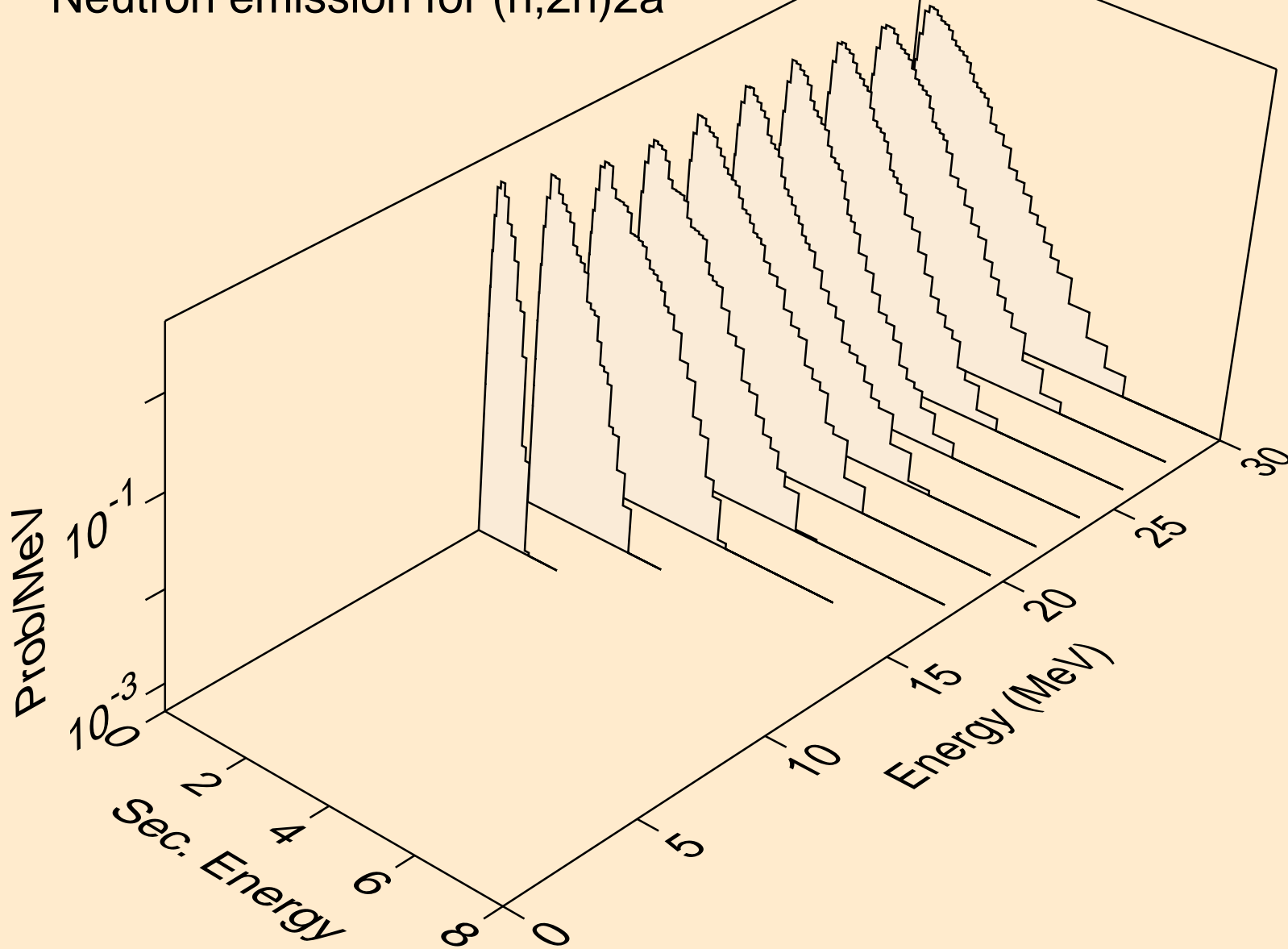
CF246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)p



CF246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)2a

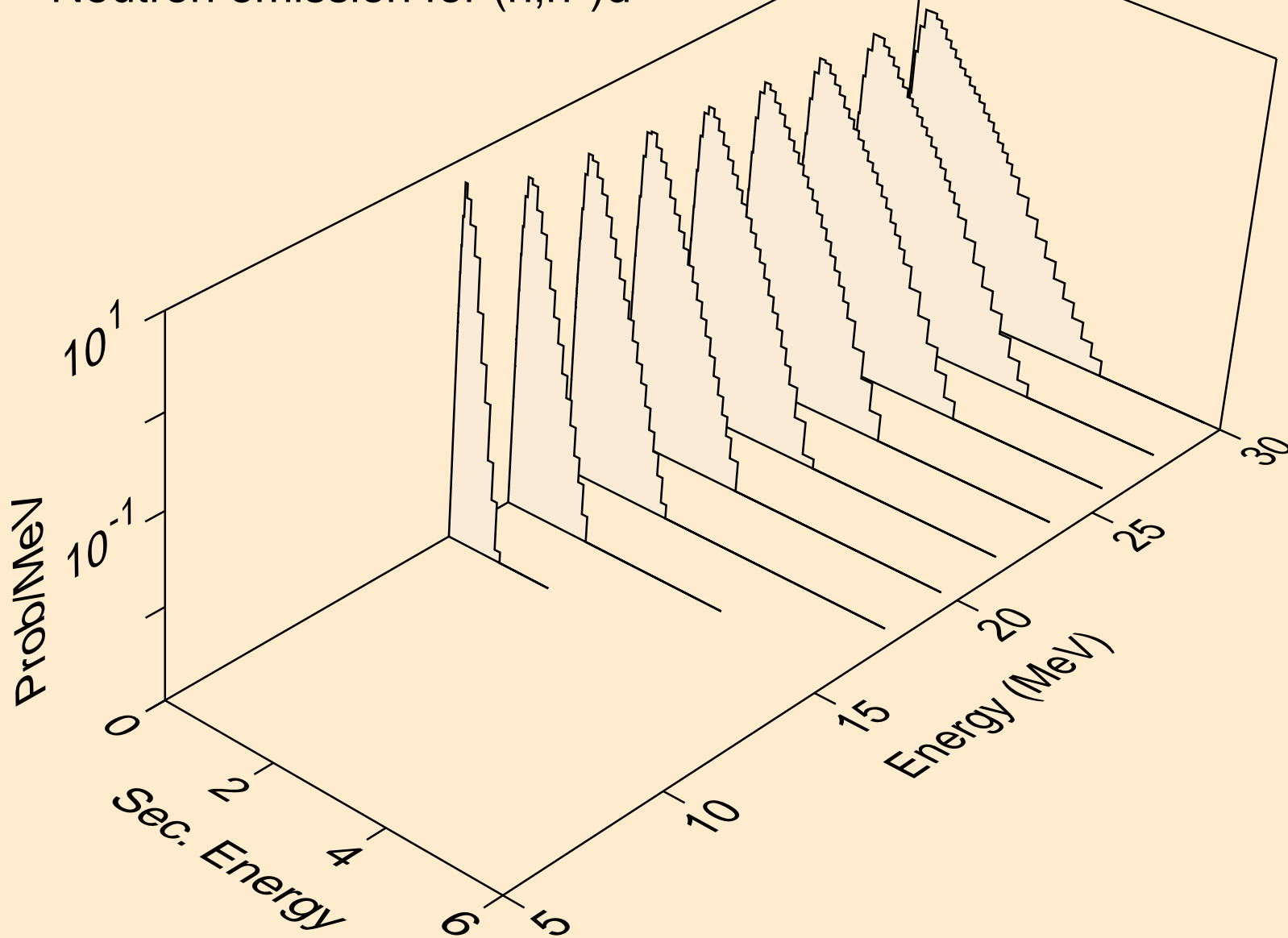


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Neutron emission for (n,2n)2a

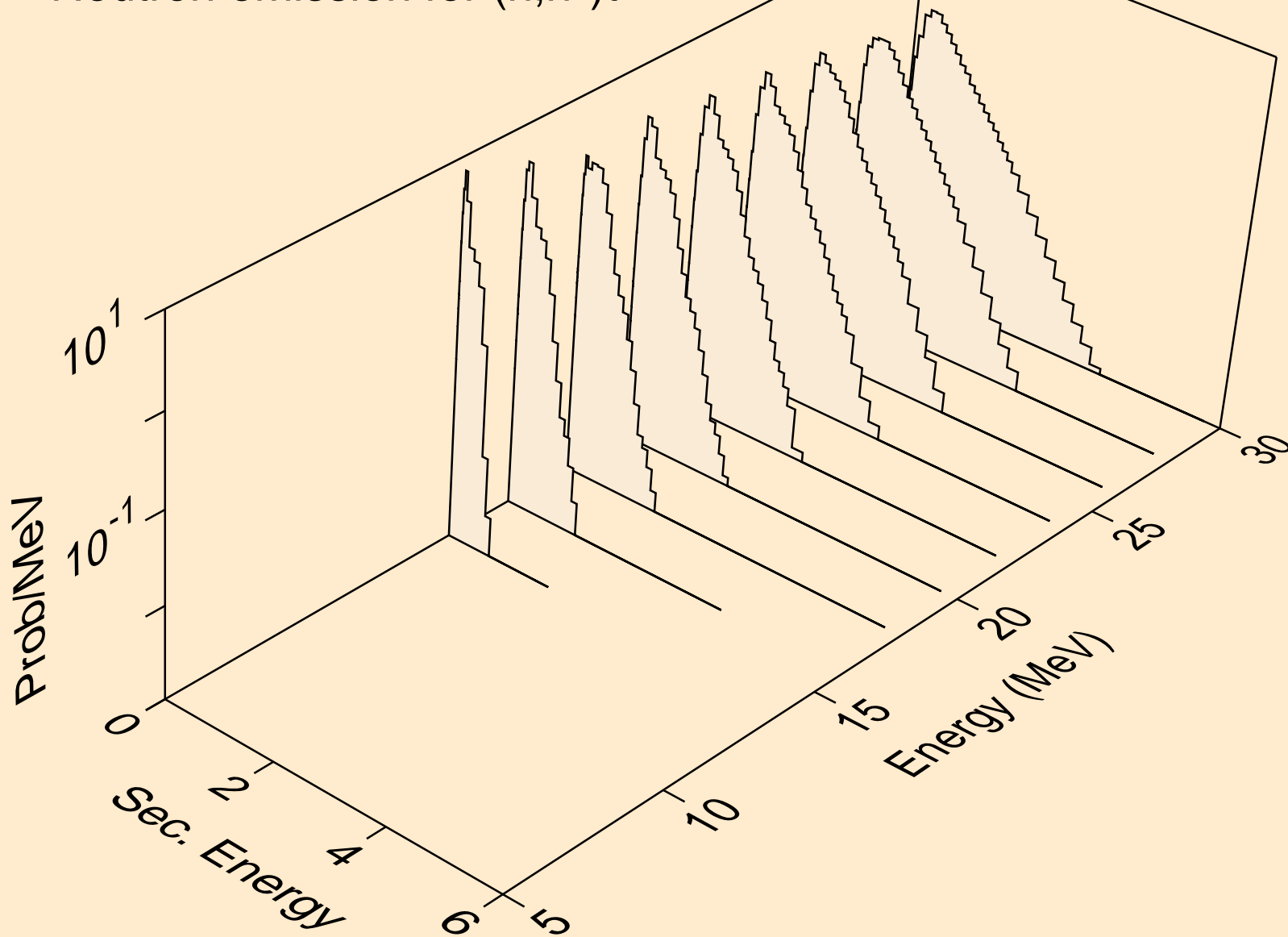




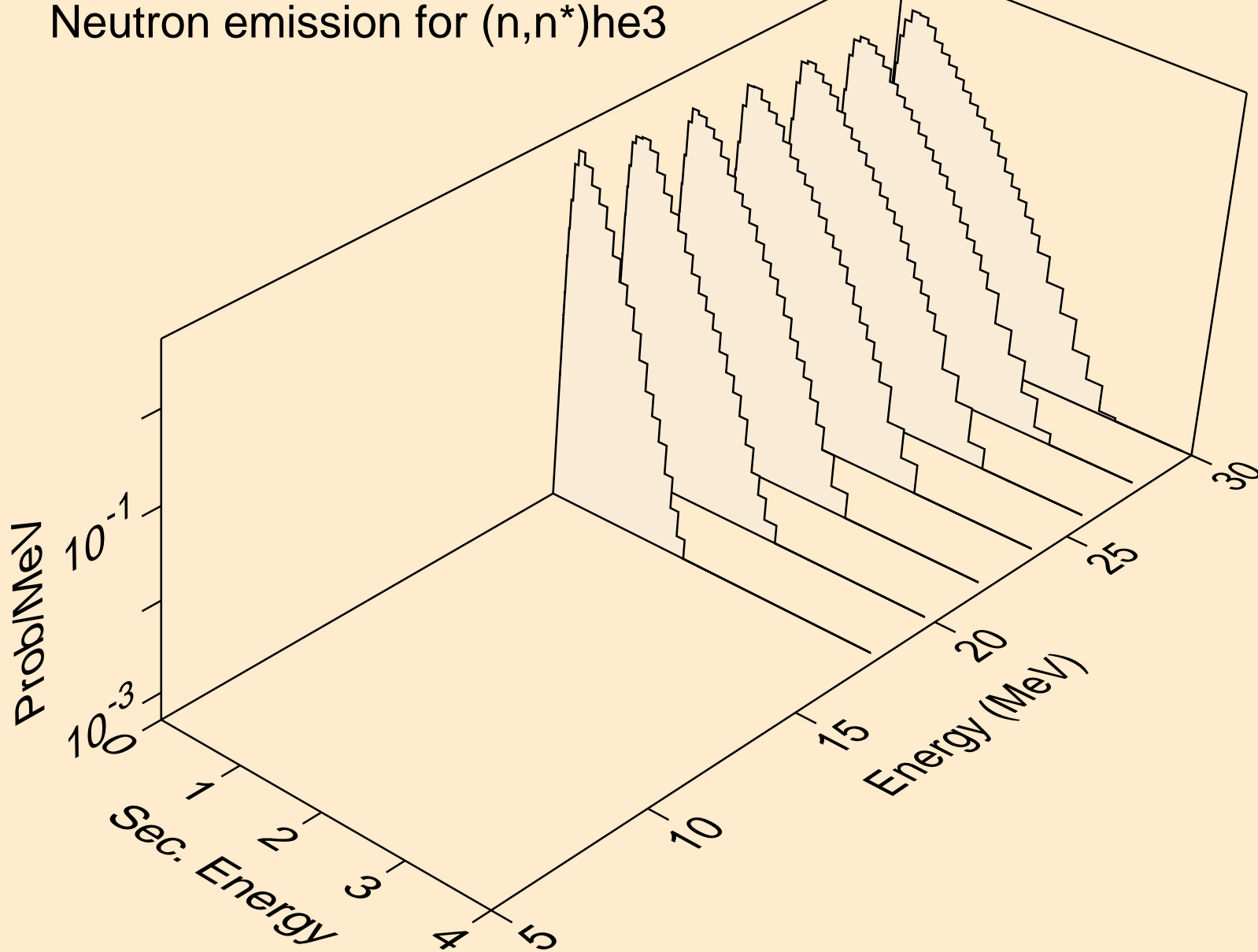
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Neutron emission for (n,n\*)d



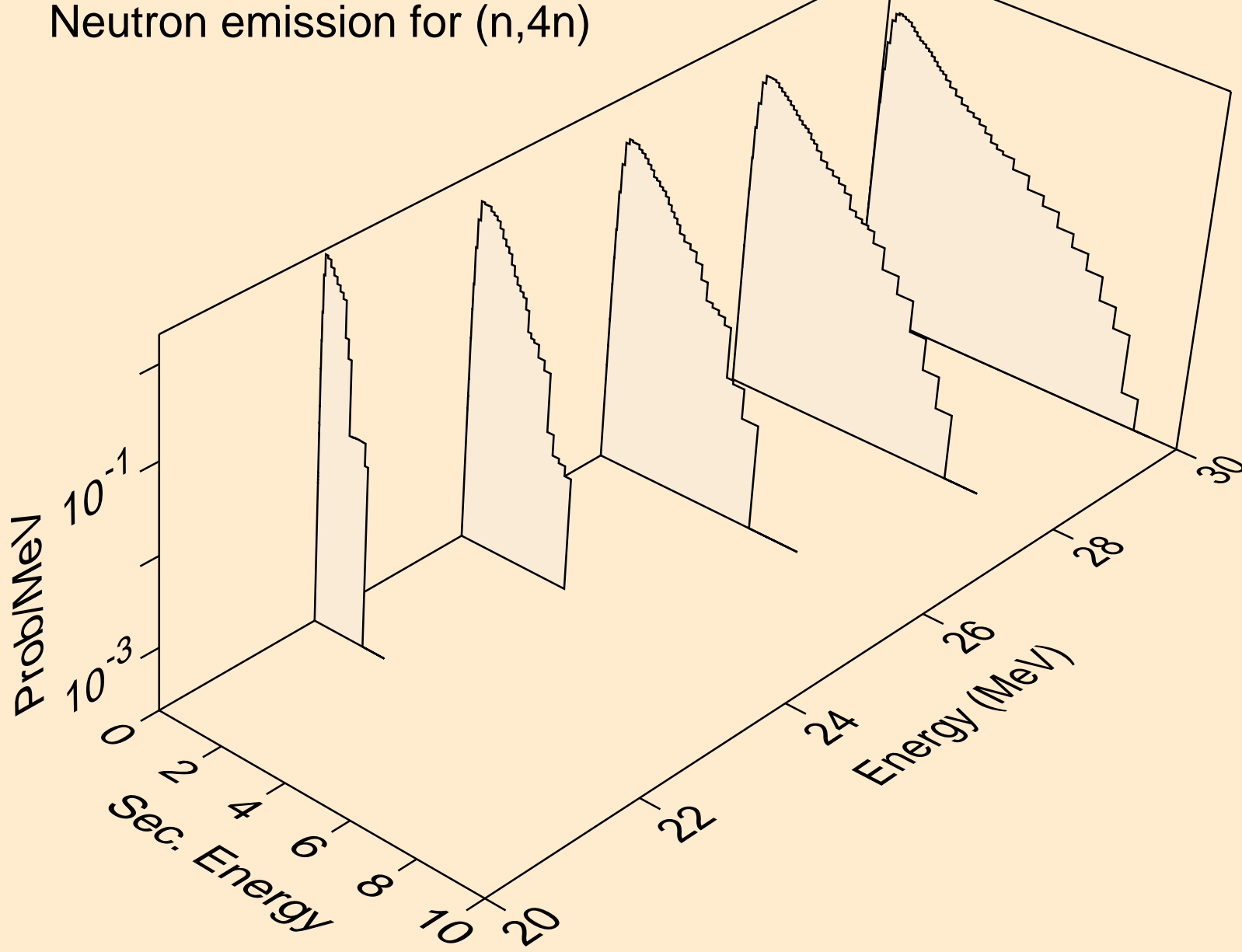
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Neutron emission for (n,n\*)t



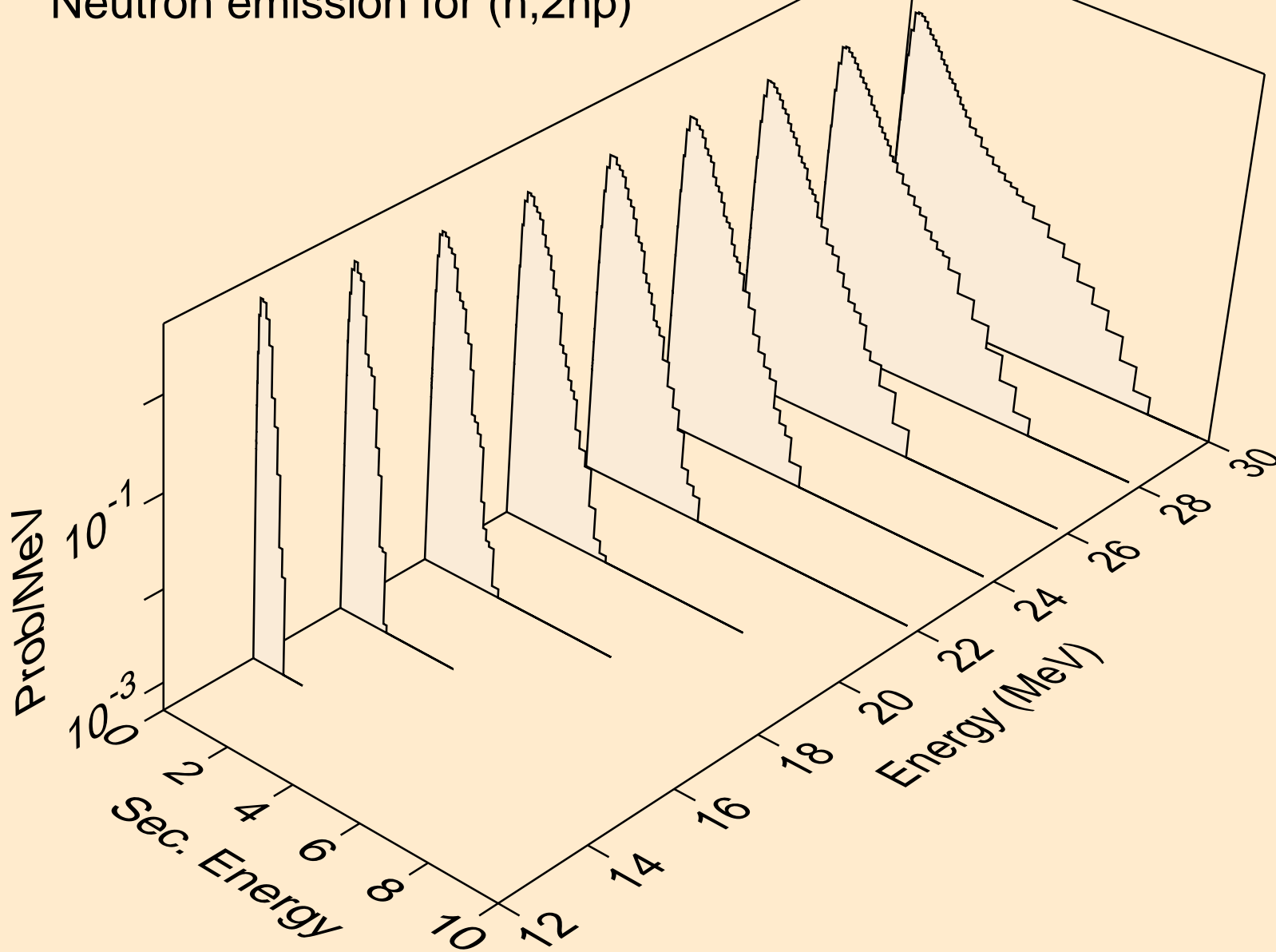
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Neutron emission for (n,n\*)he3



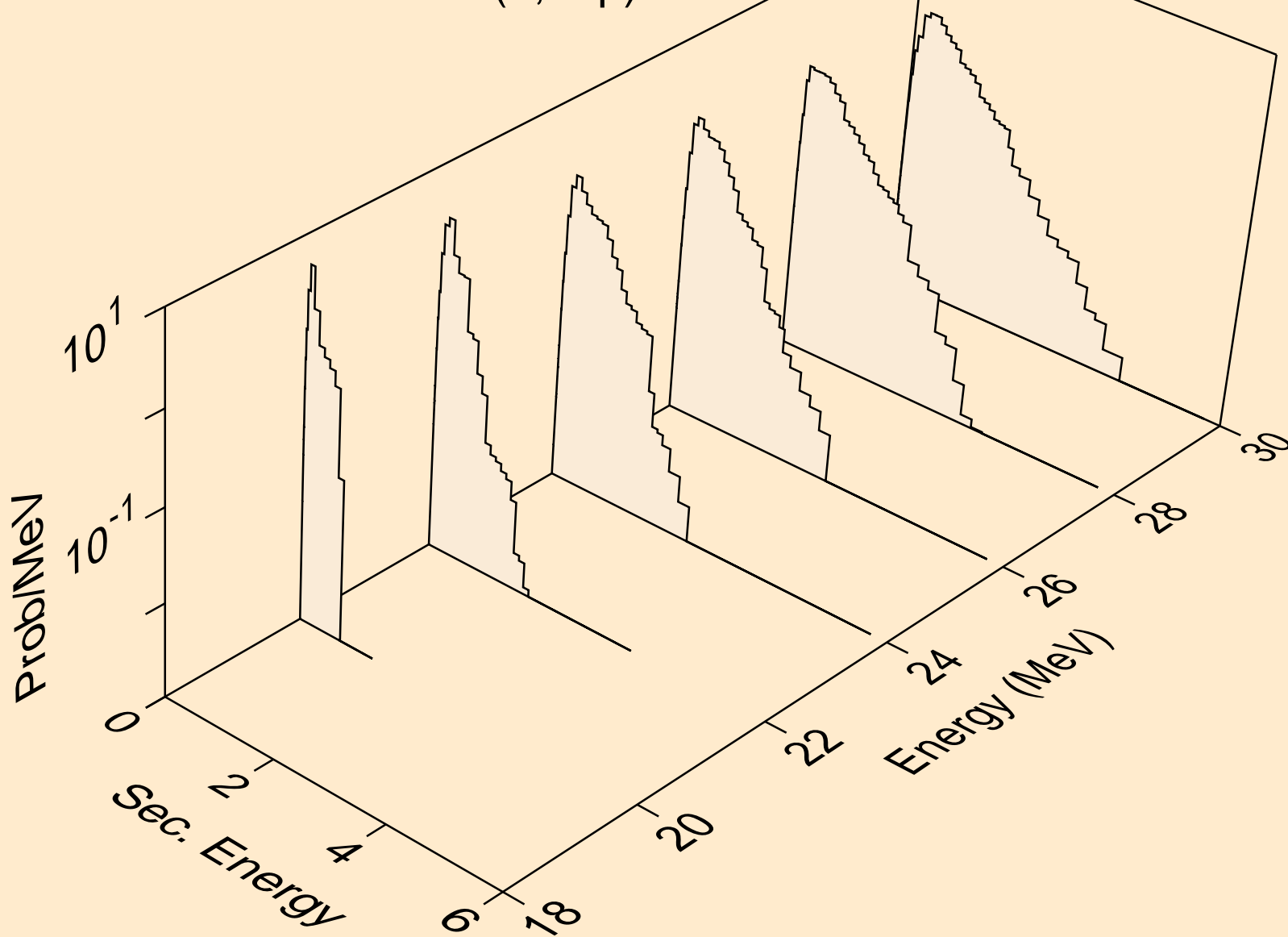
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Neutron emission for (n,4n)



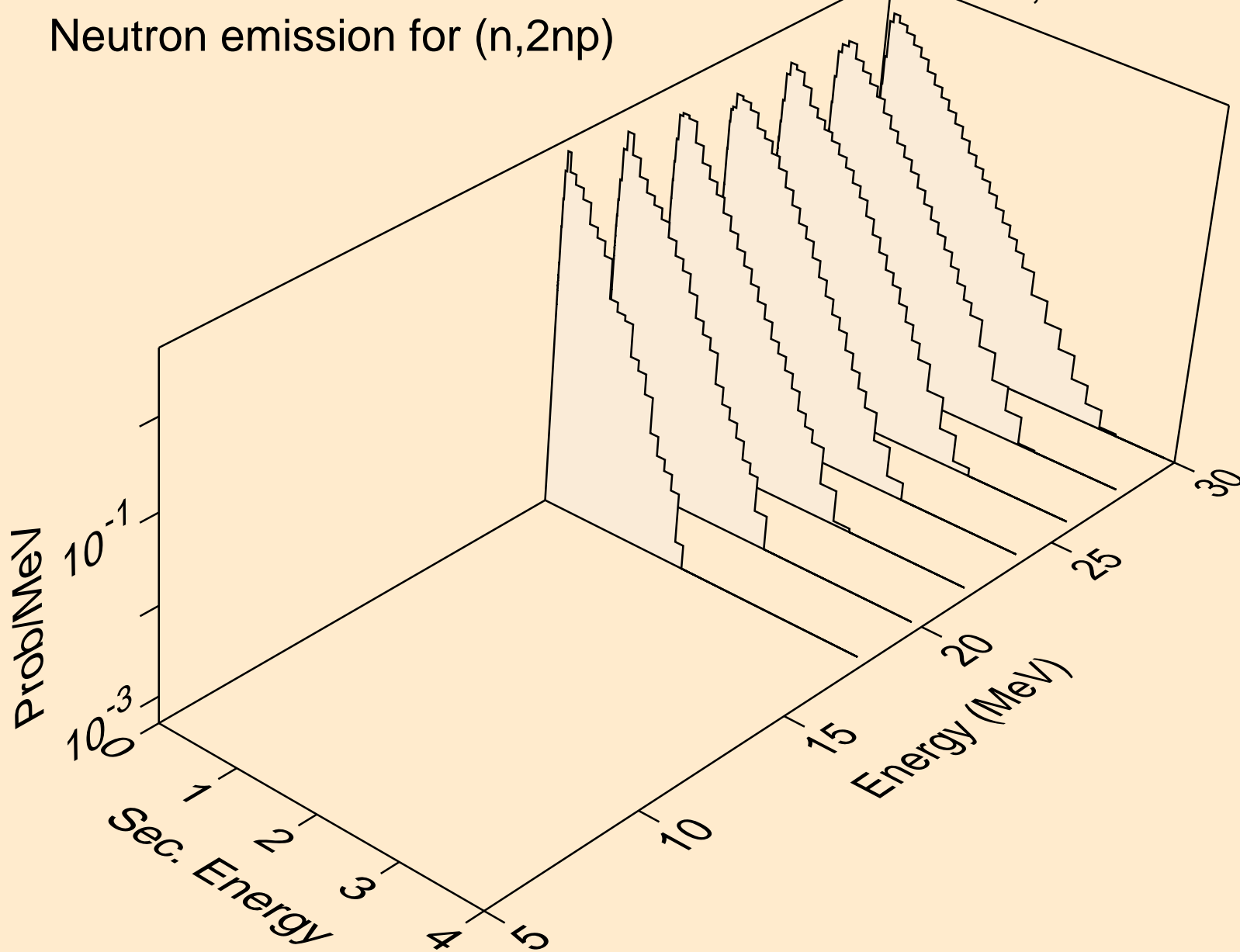
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Neutron emission for (n,2np)



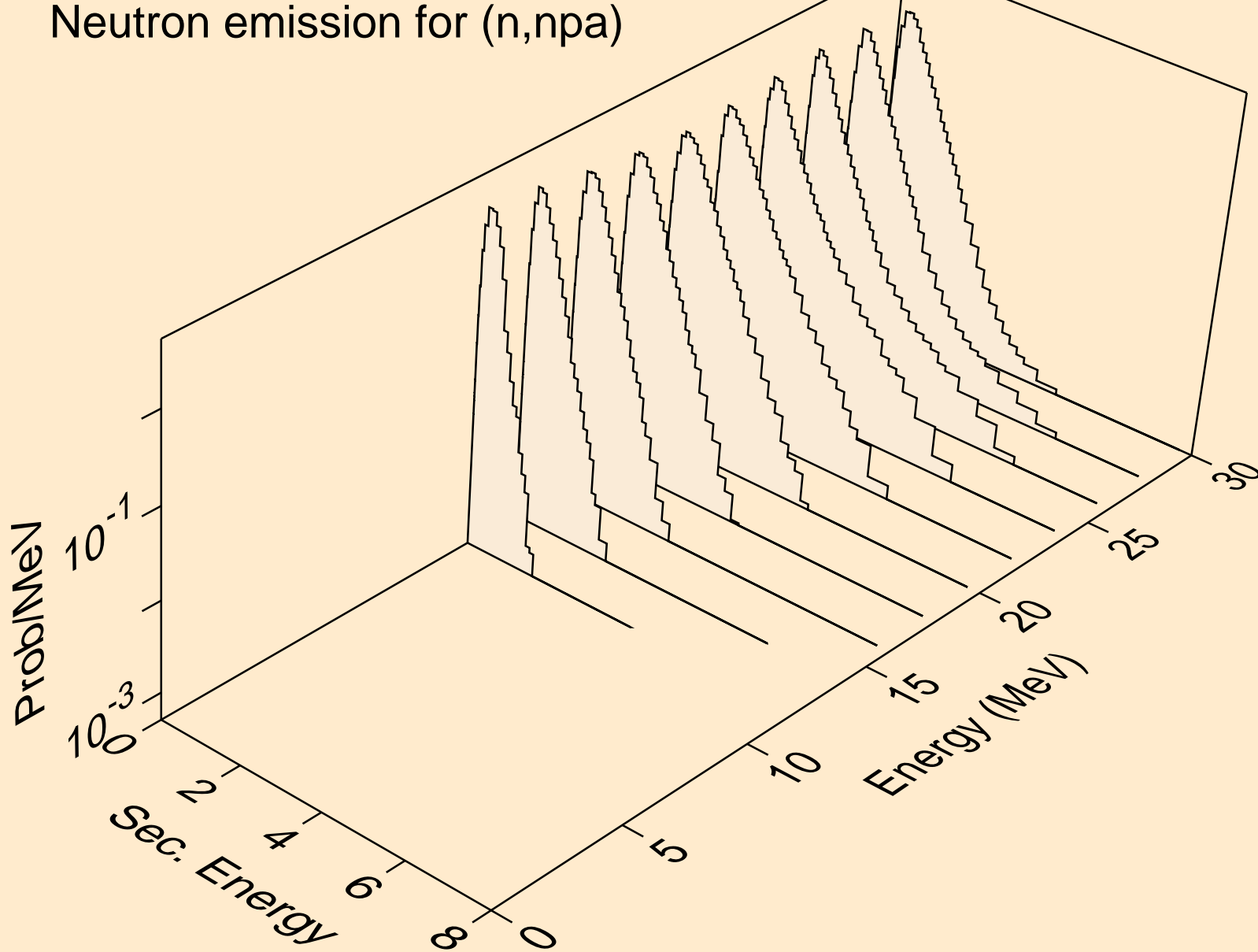
CF246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3np)



CF246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2np)

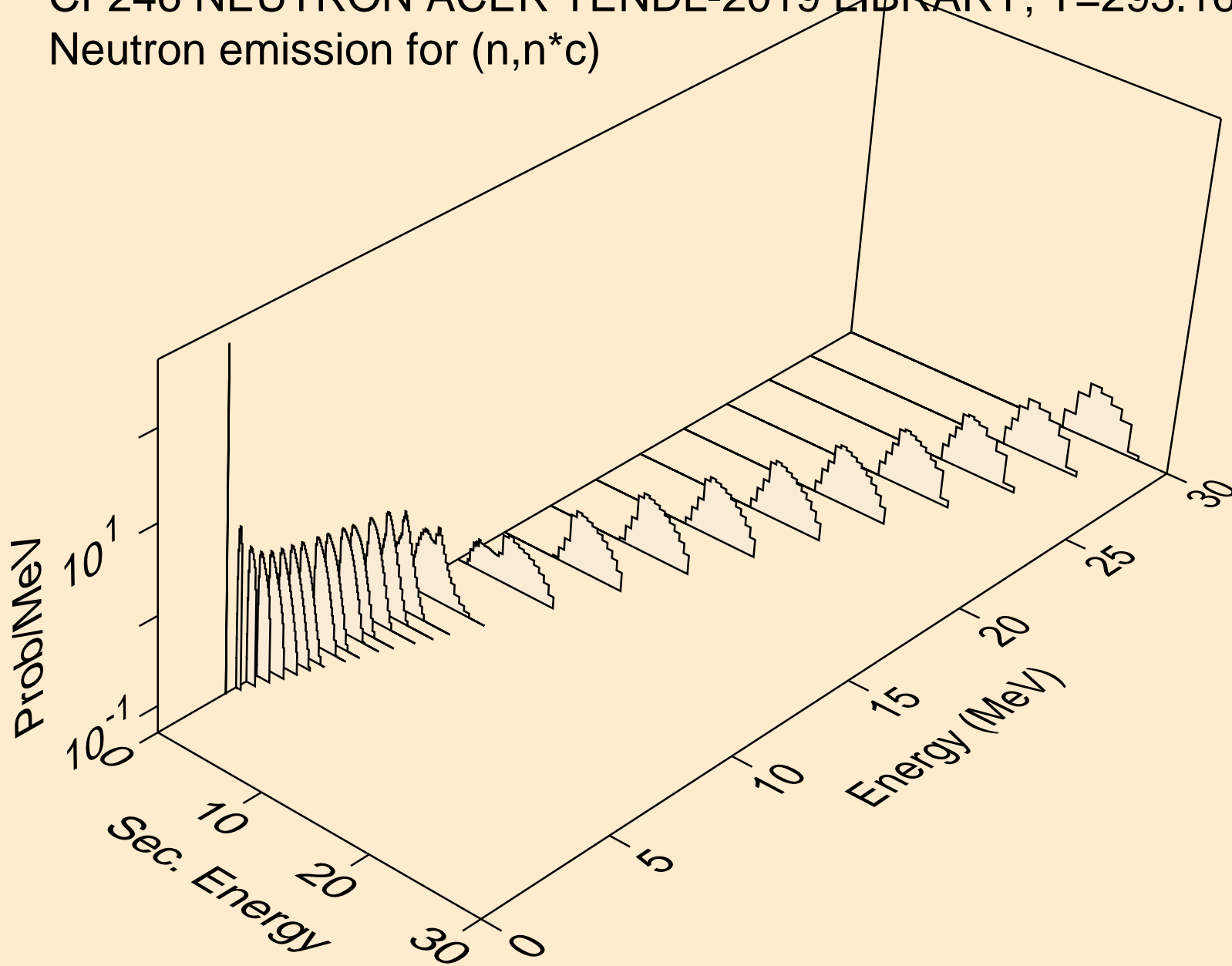


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Neutron emission for (n,npa)

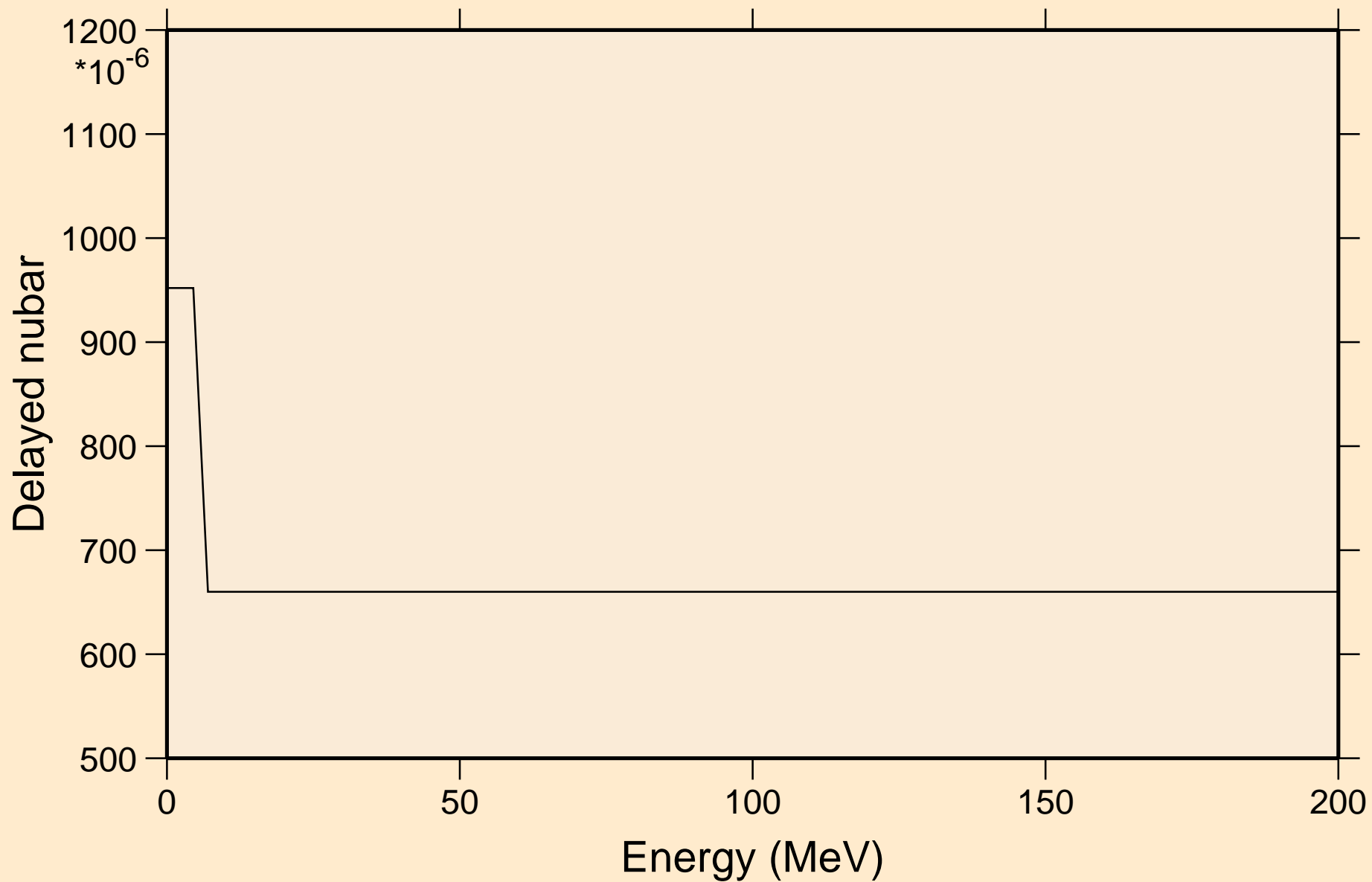




CF246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*c)

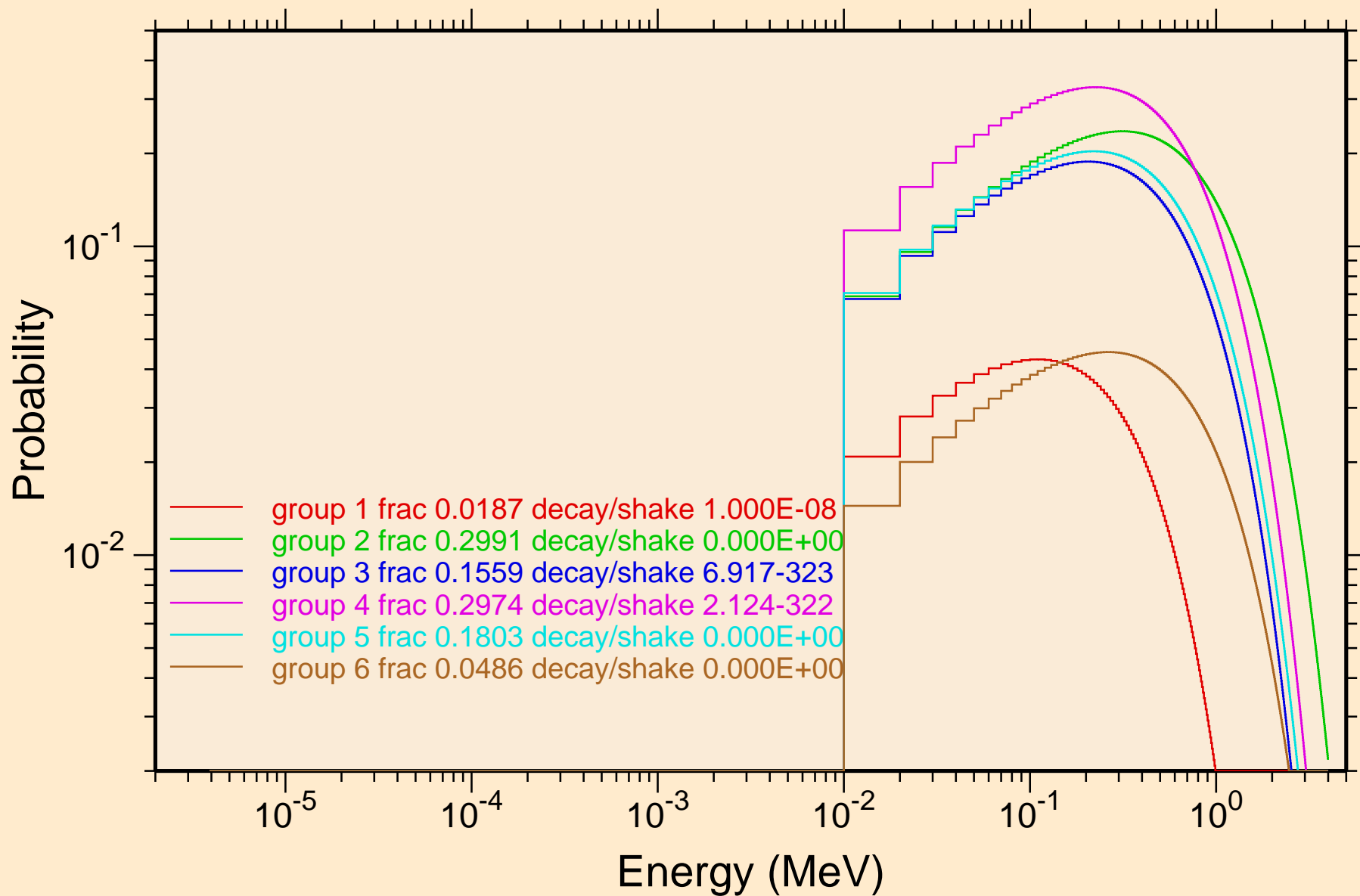


CF246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Delayed nubar

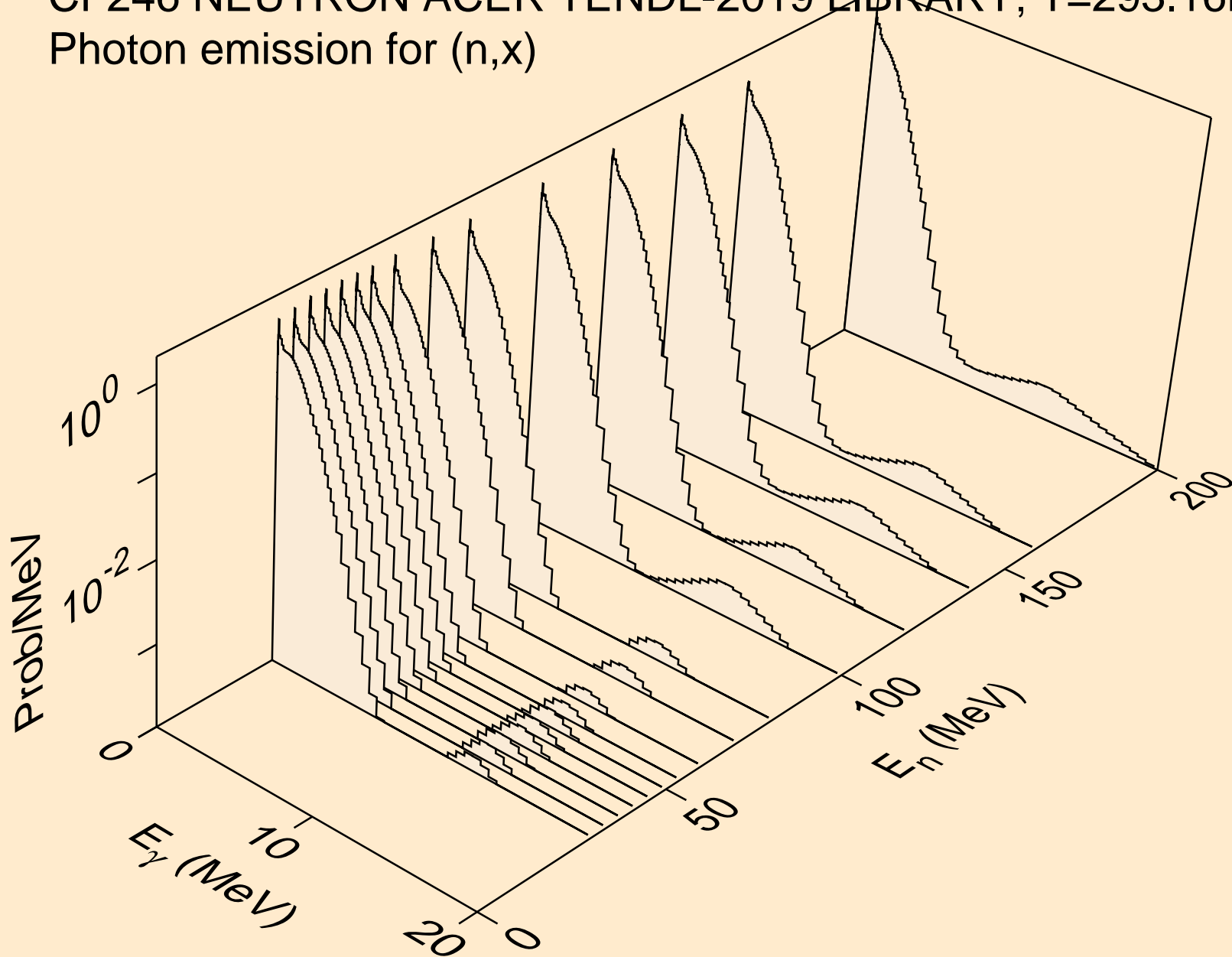


# CF246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

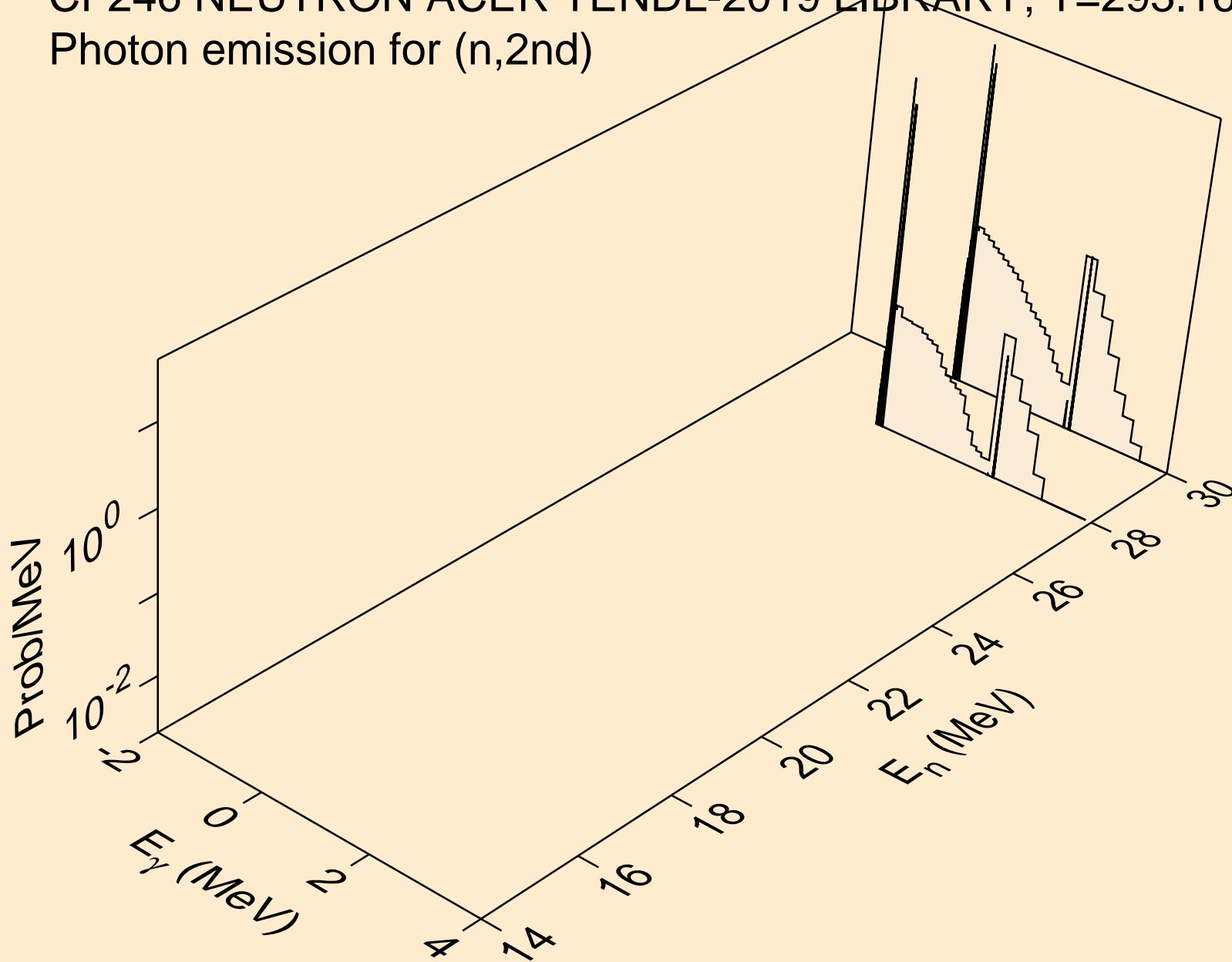
## Delayed neutron spectra



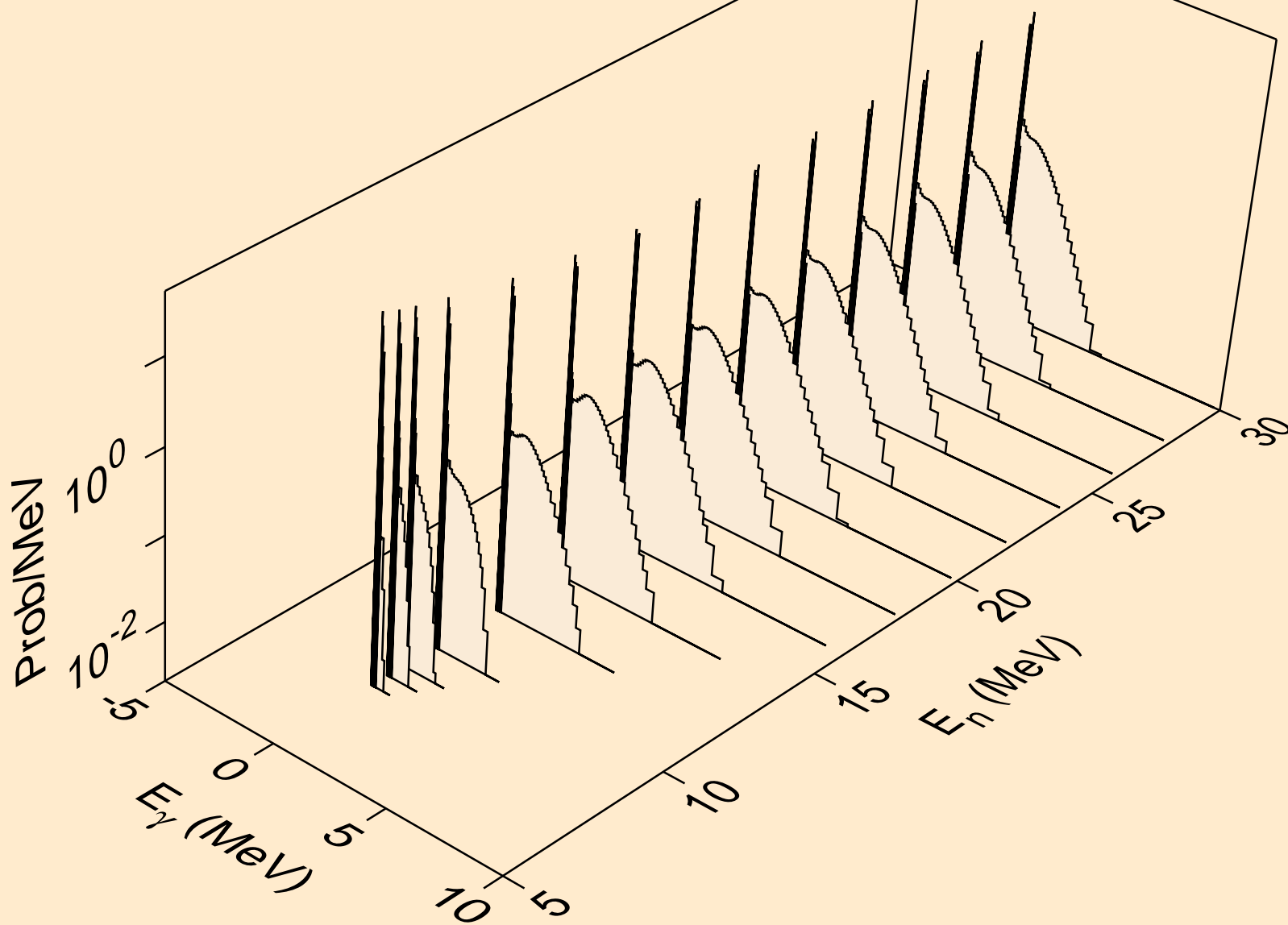
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Photon emission for (n,x)



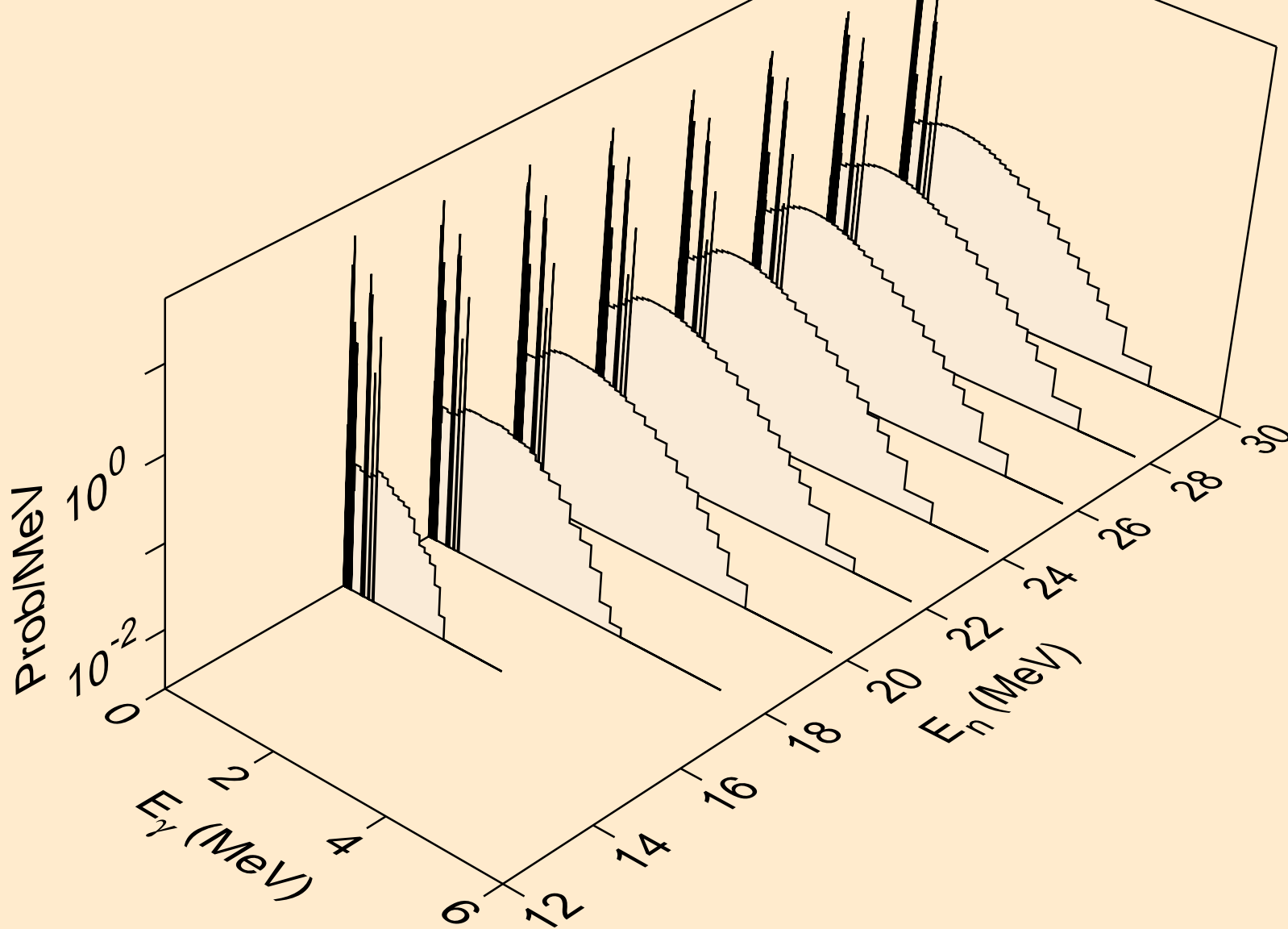
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Photon emission for (n,2nd)



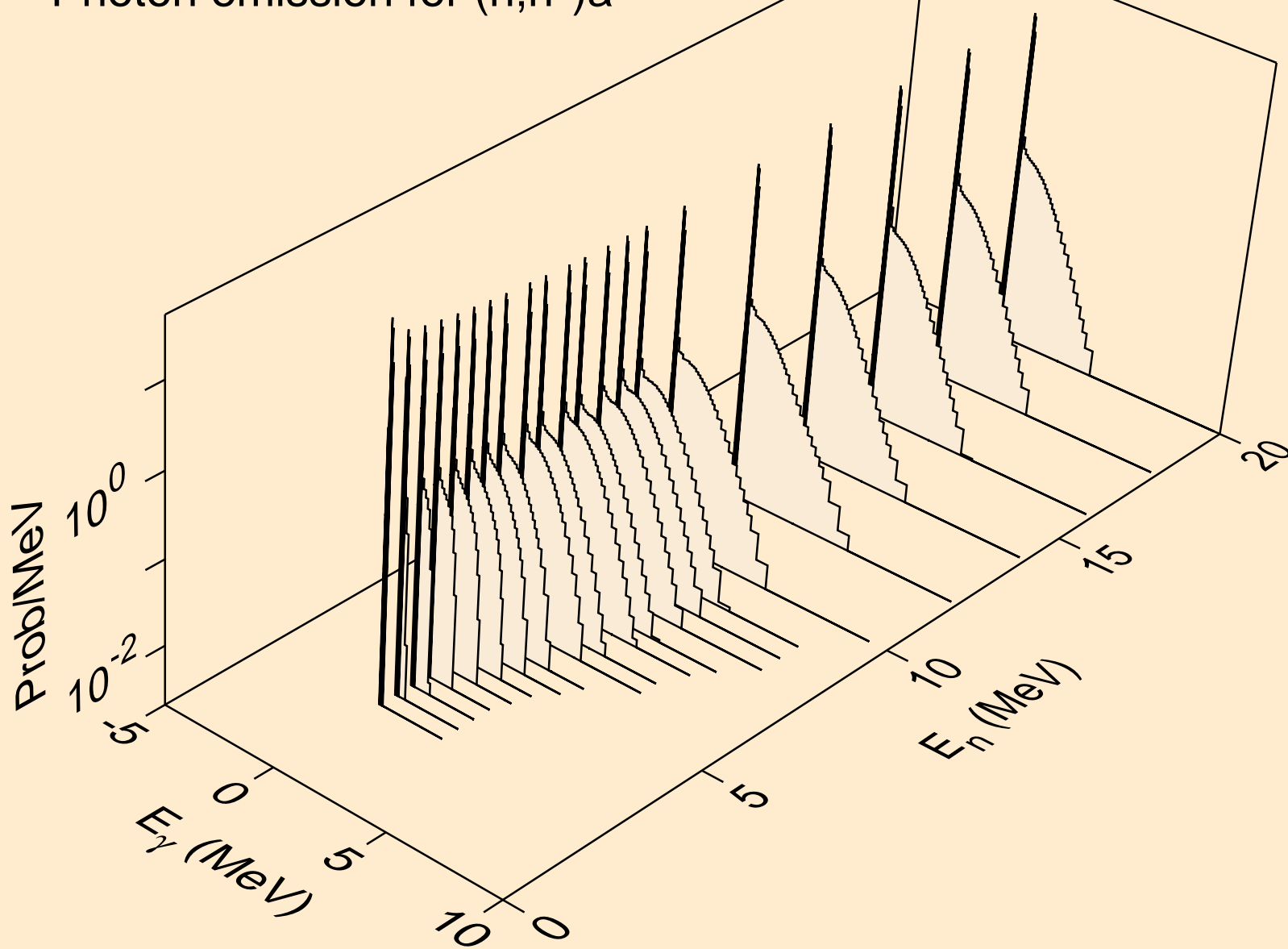
CF246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n)



CF246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3n)

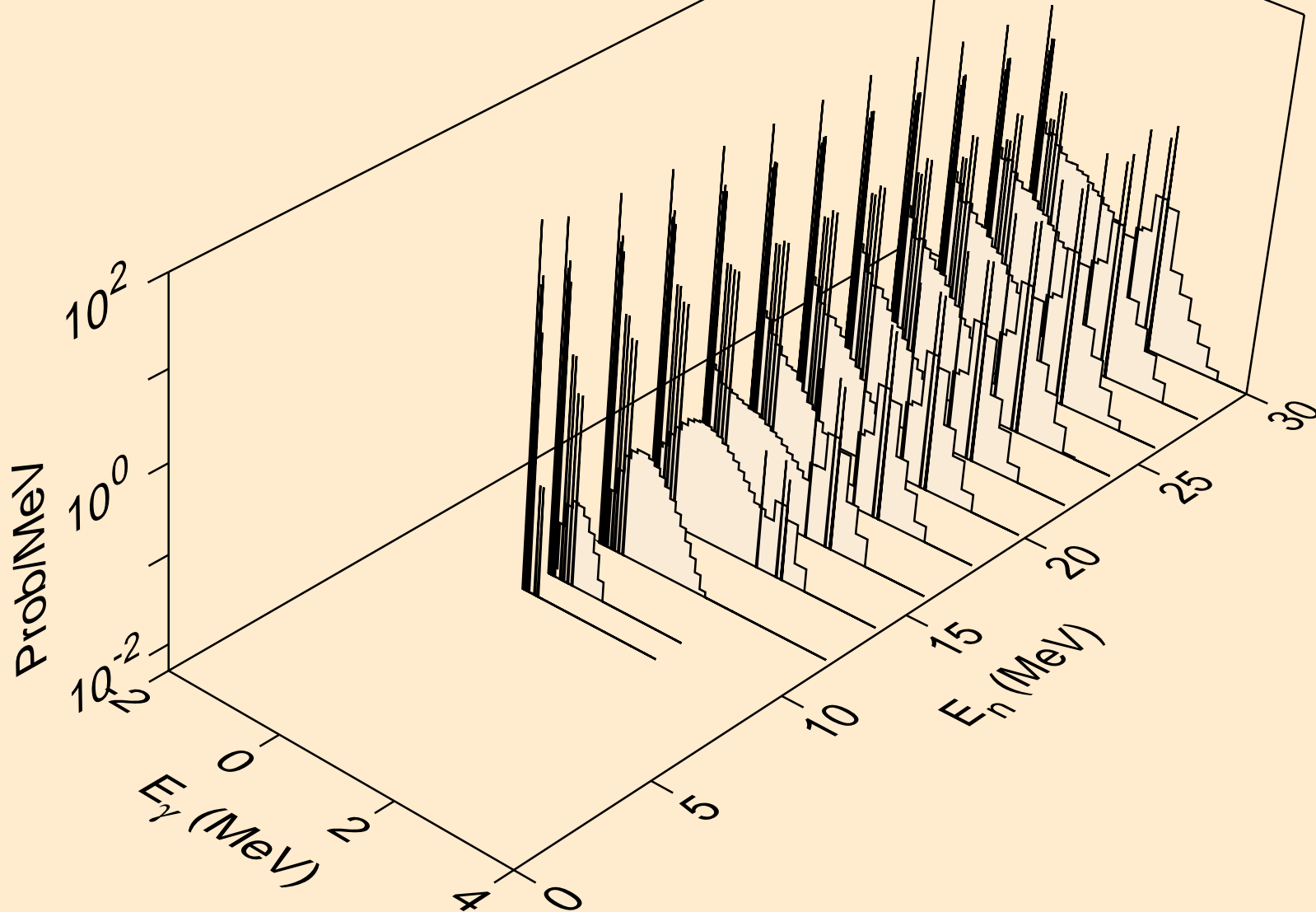


CF246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)a

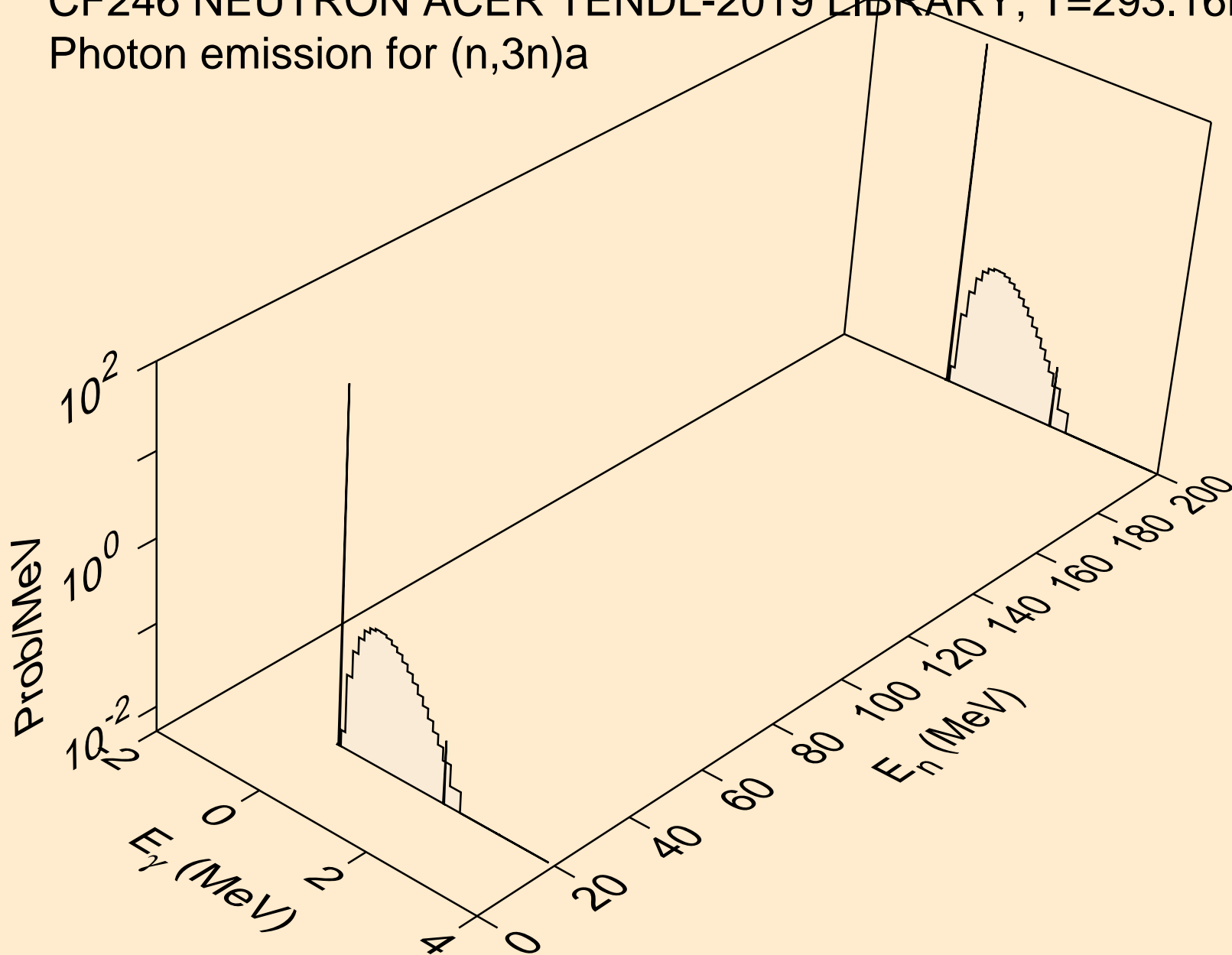




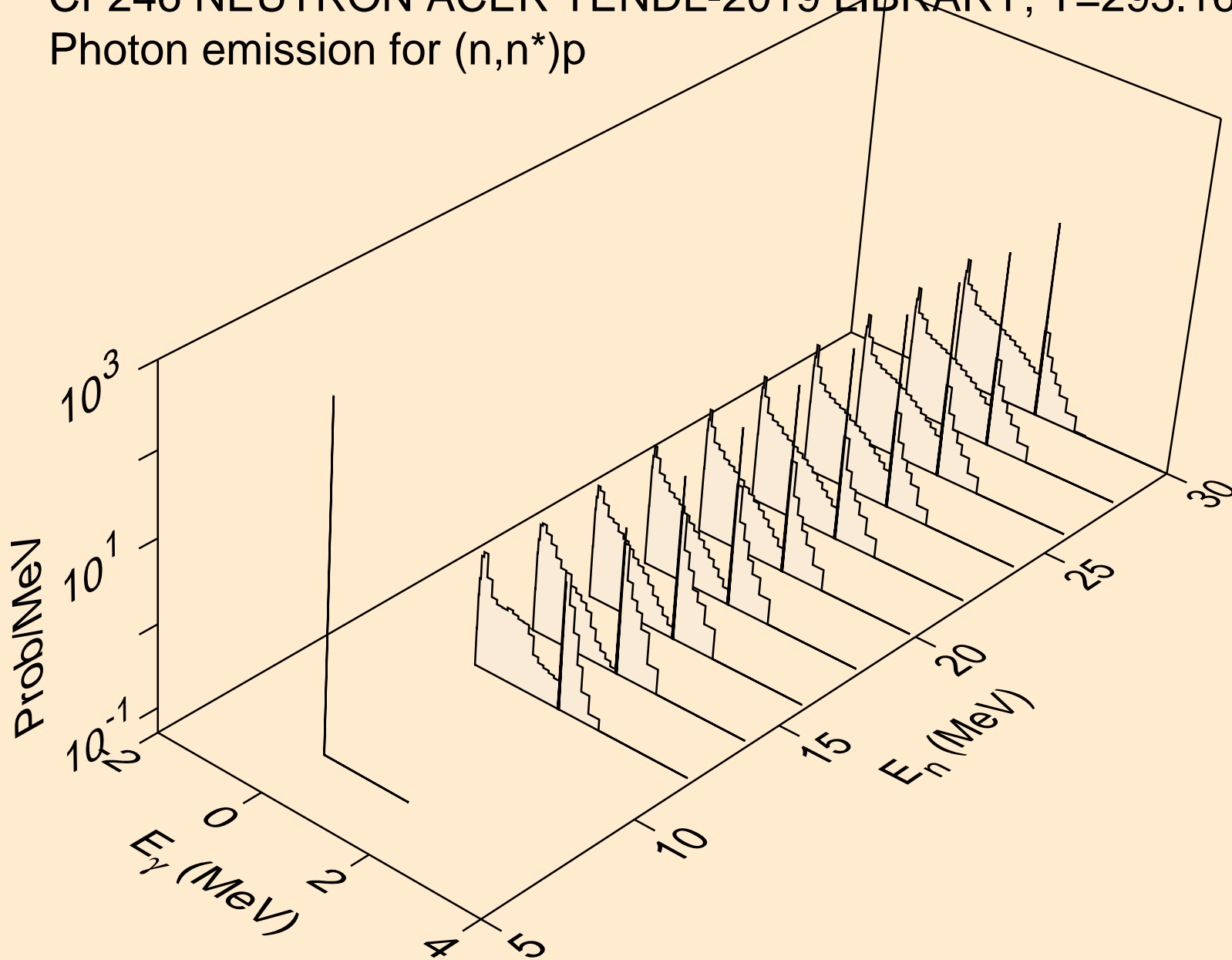
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Photon emission for (n,2n)a



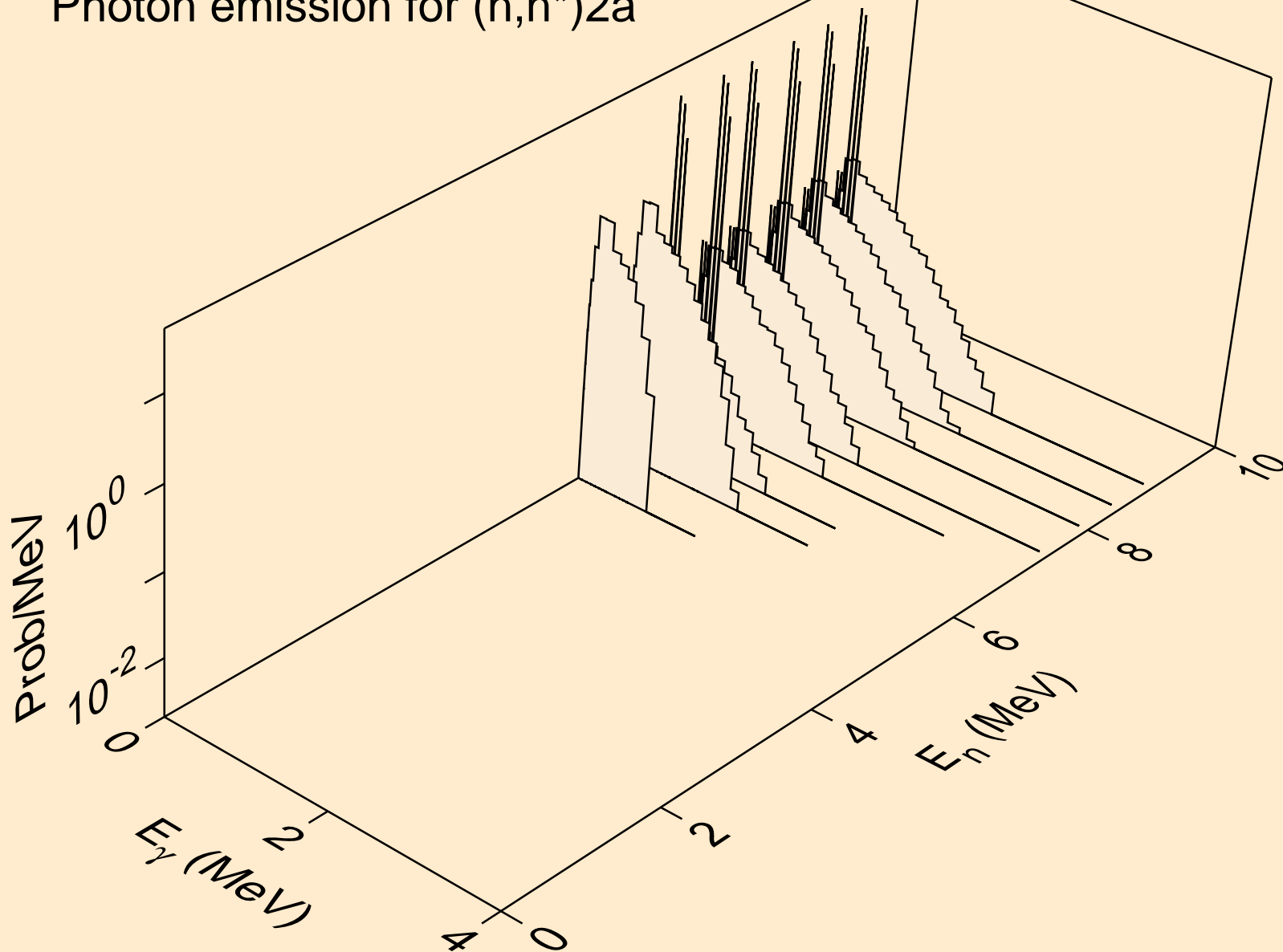
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Photon emission for (n,3n)a



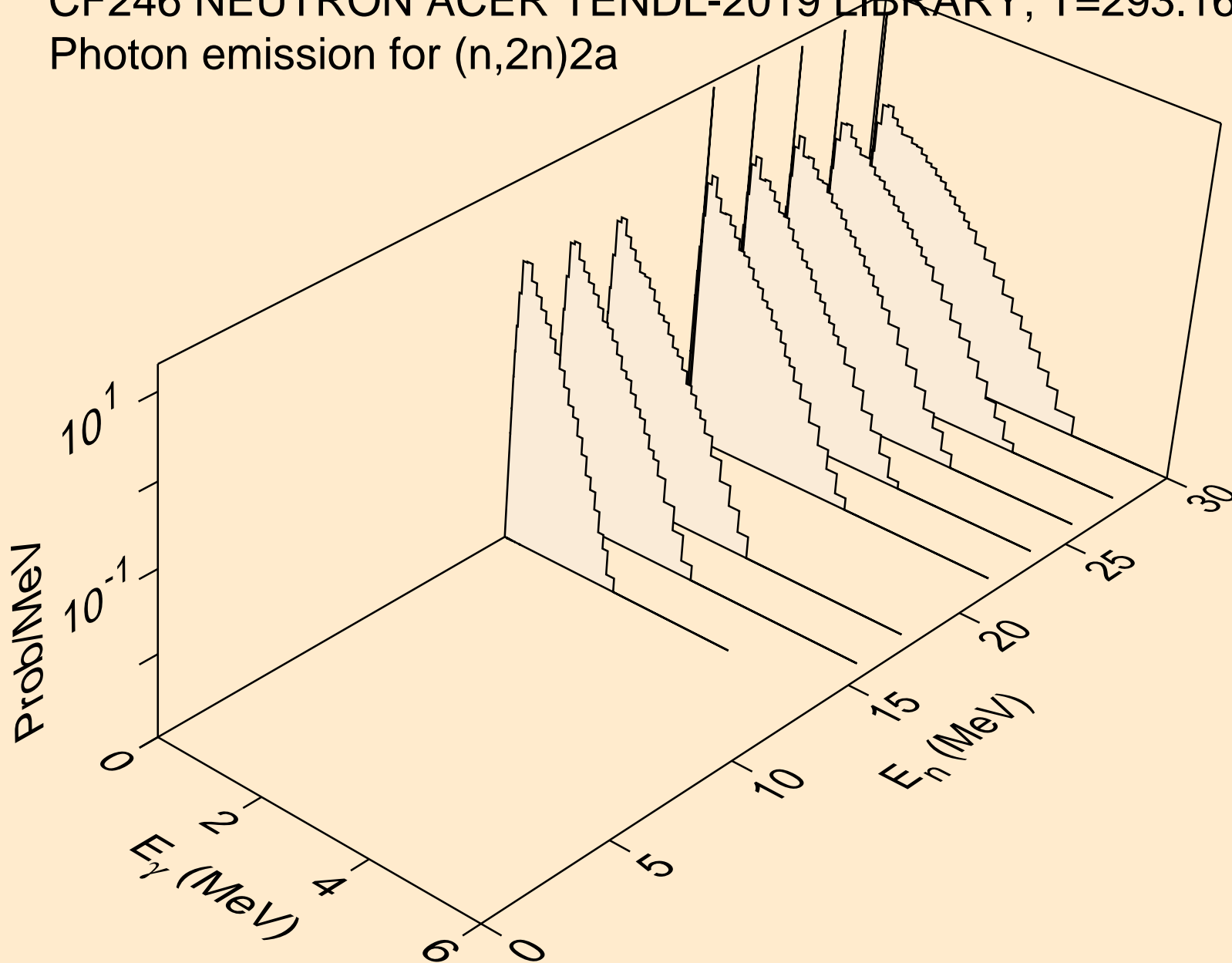
CF246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)p



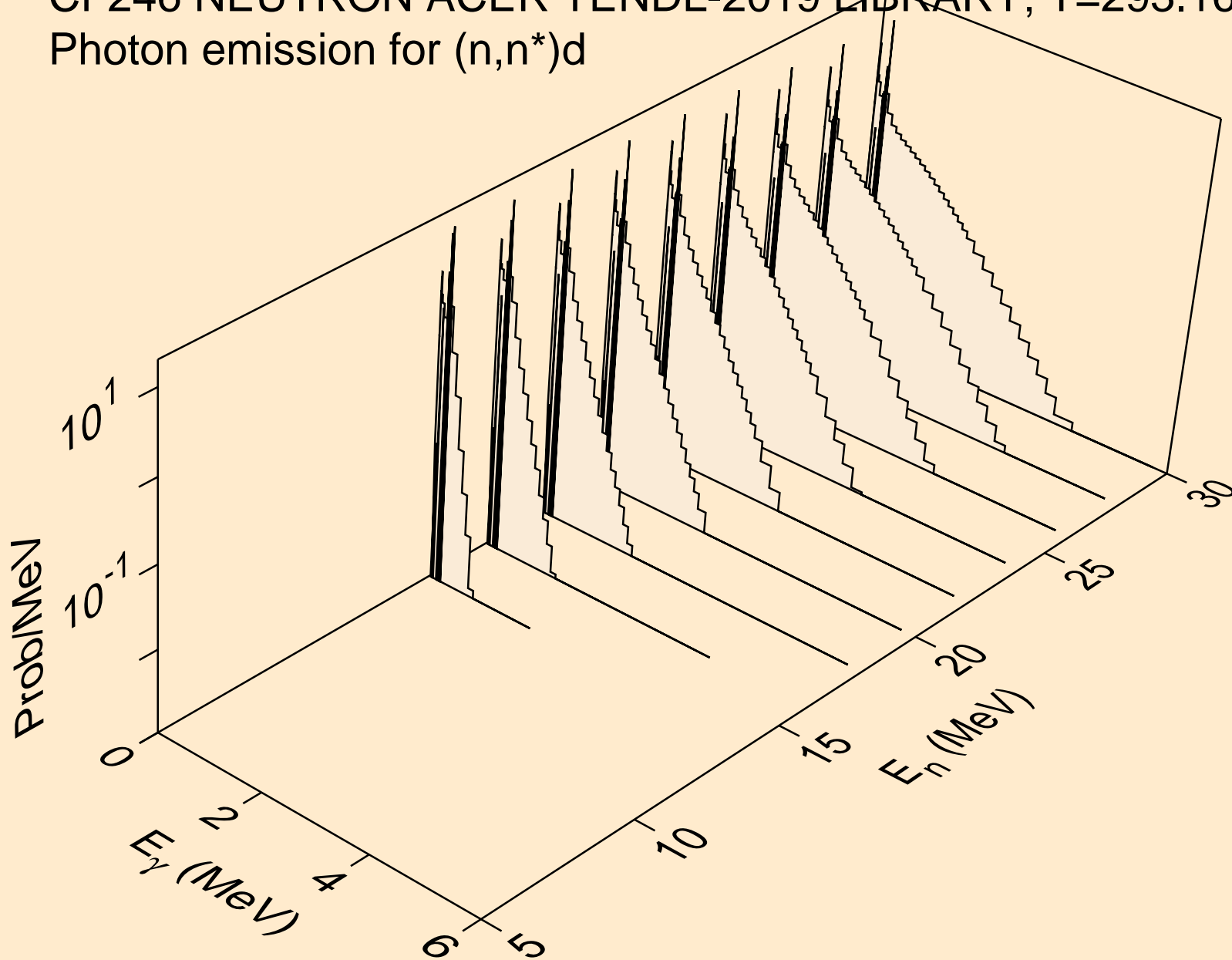
CF246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)2a



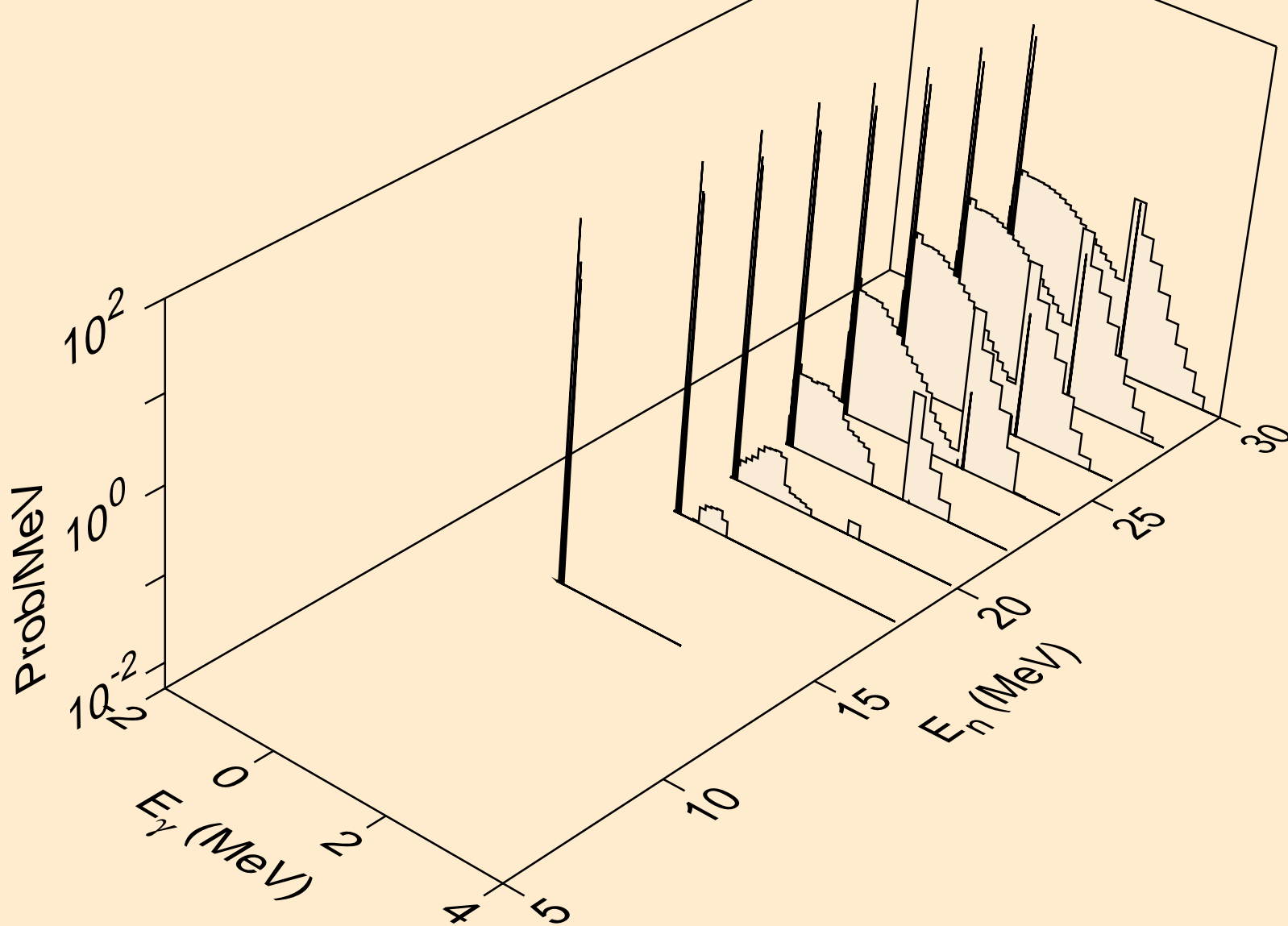
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Photon emission for (n,2n)2a



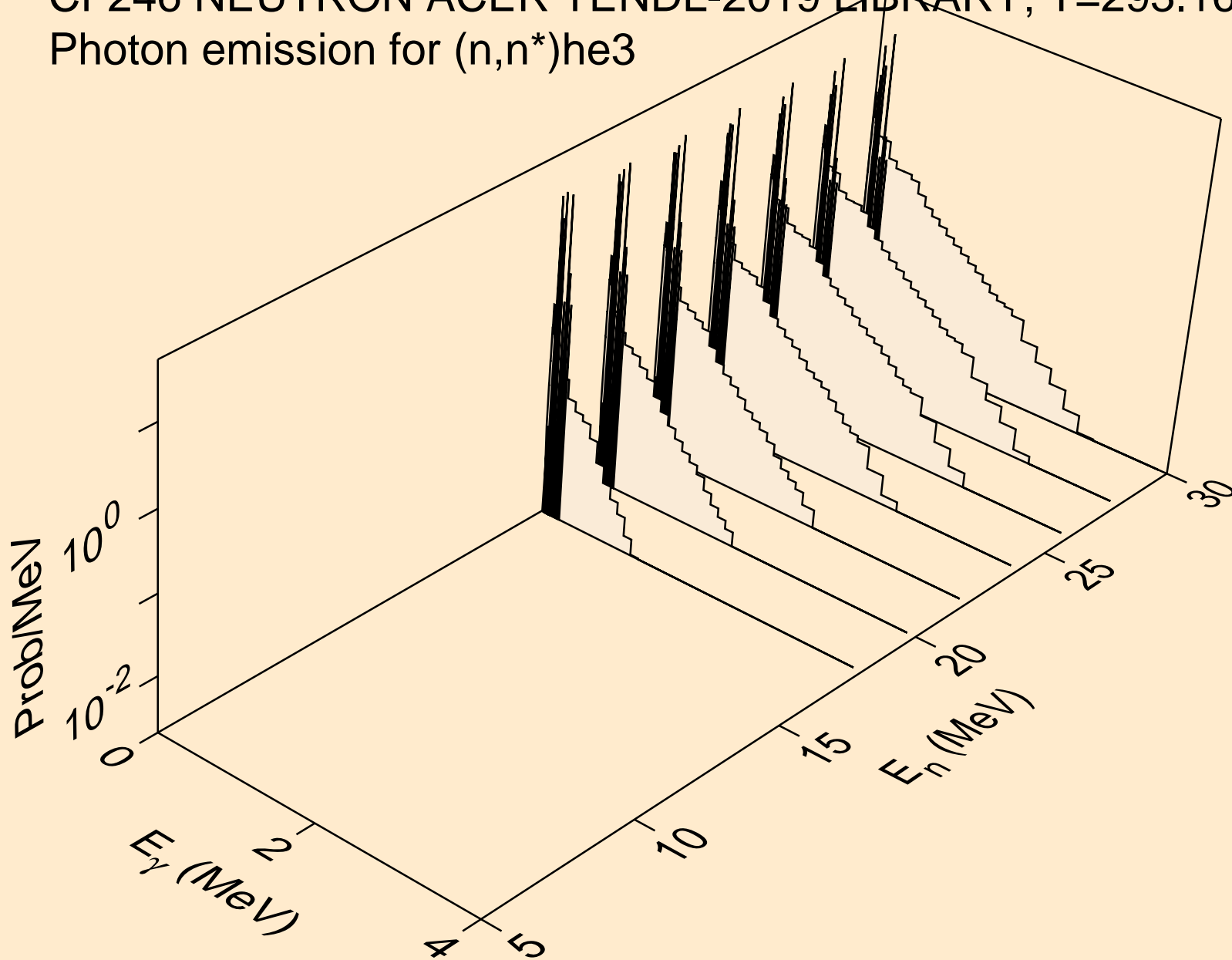
CF246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)d



CF246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)t

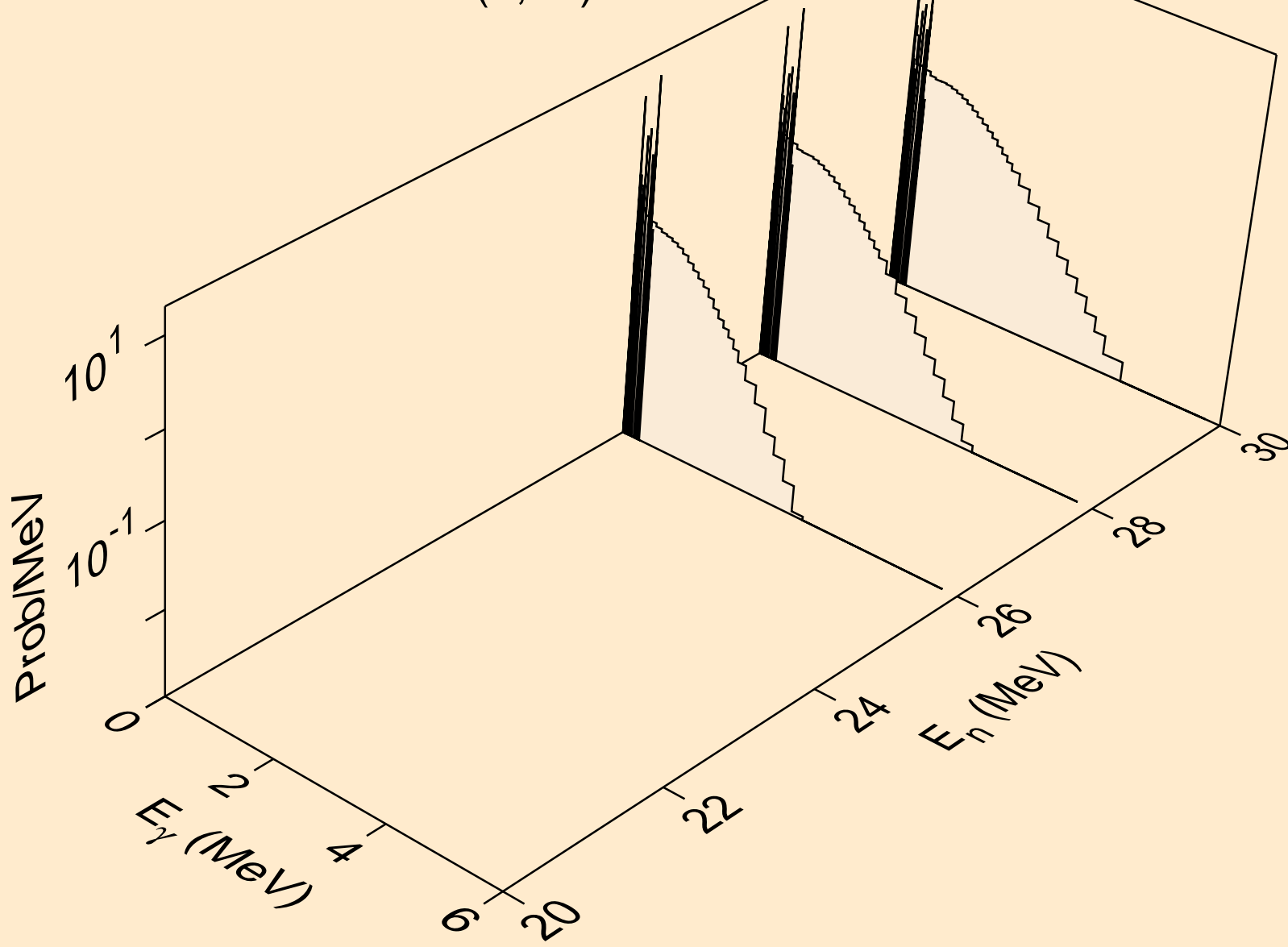


CF246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)he3

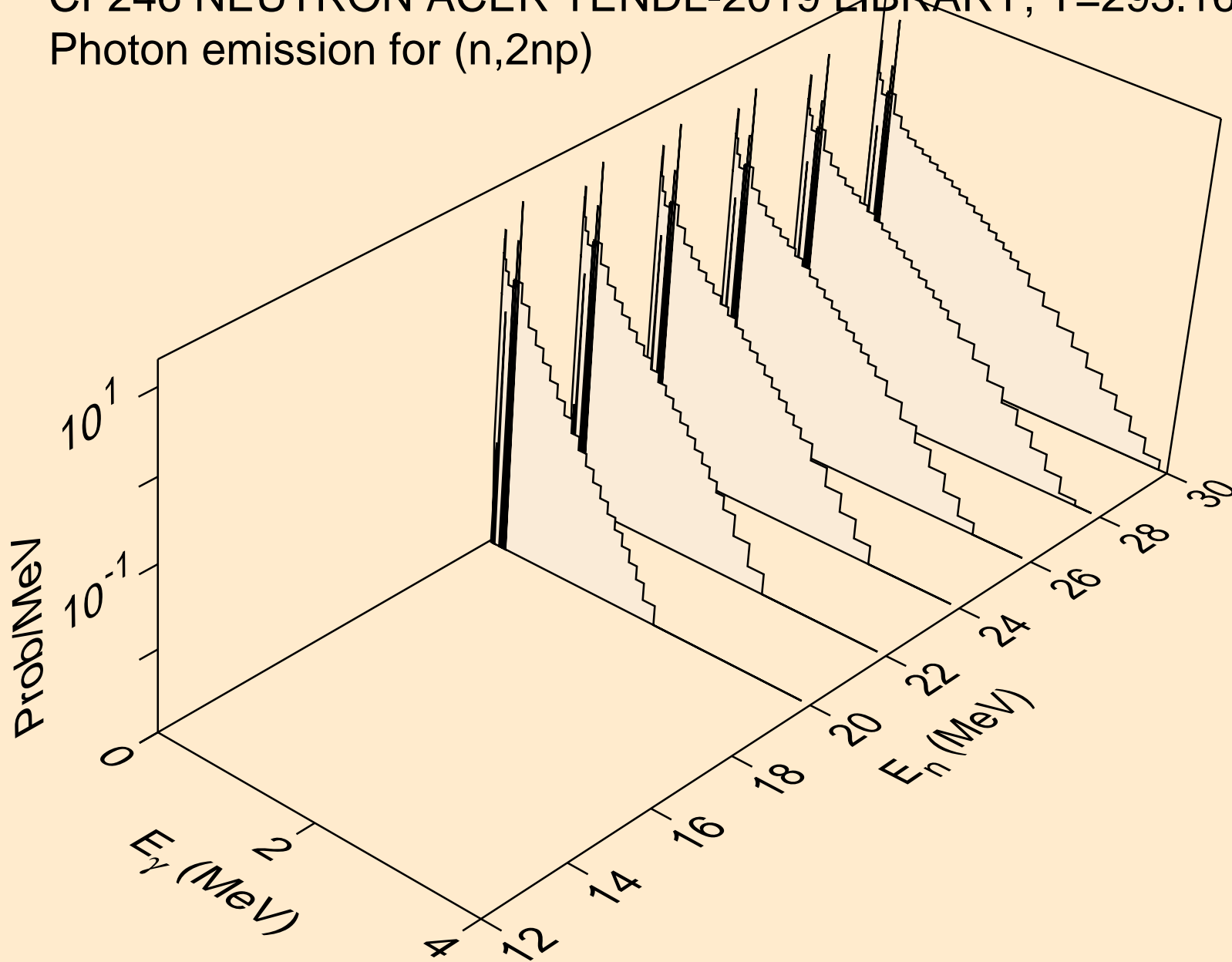




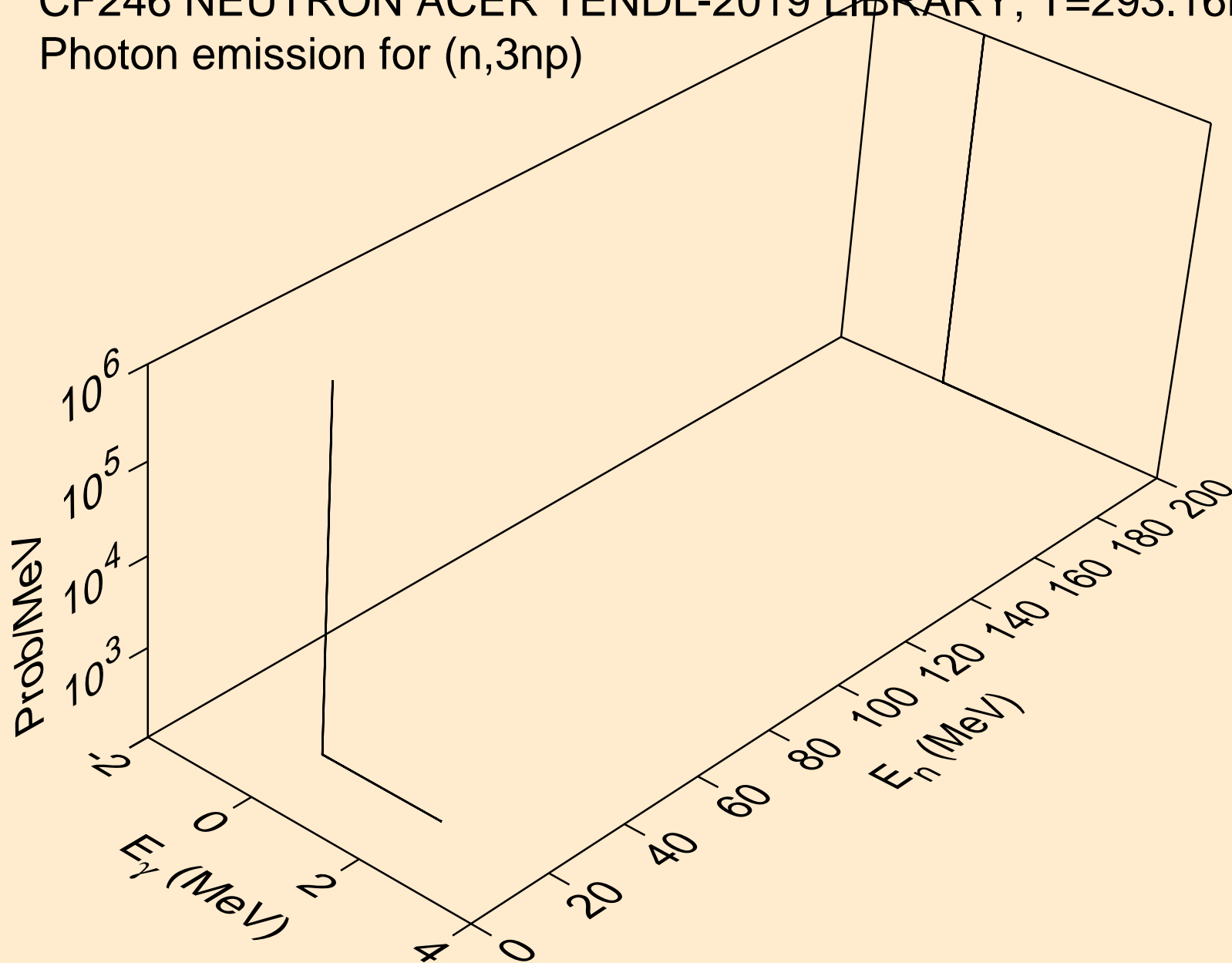
CF246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,4n)



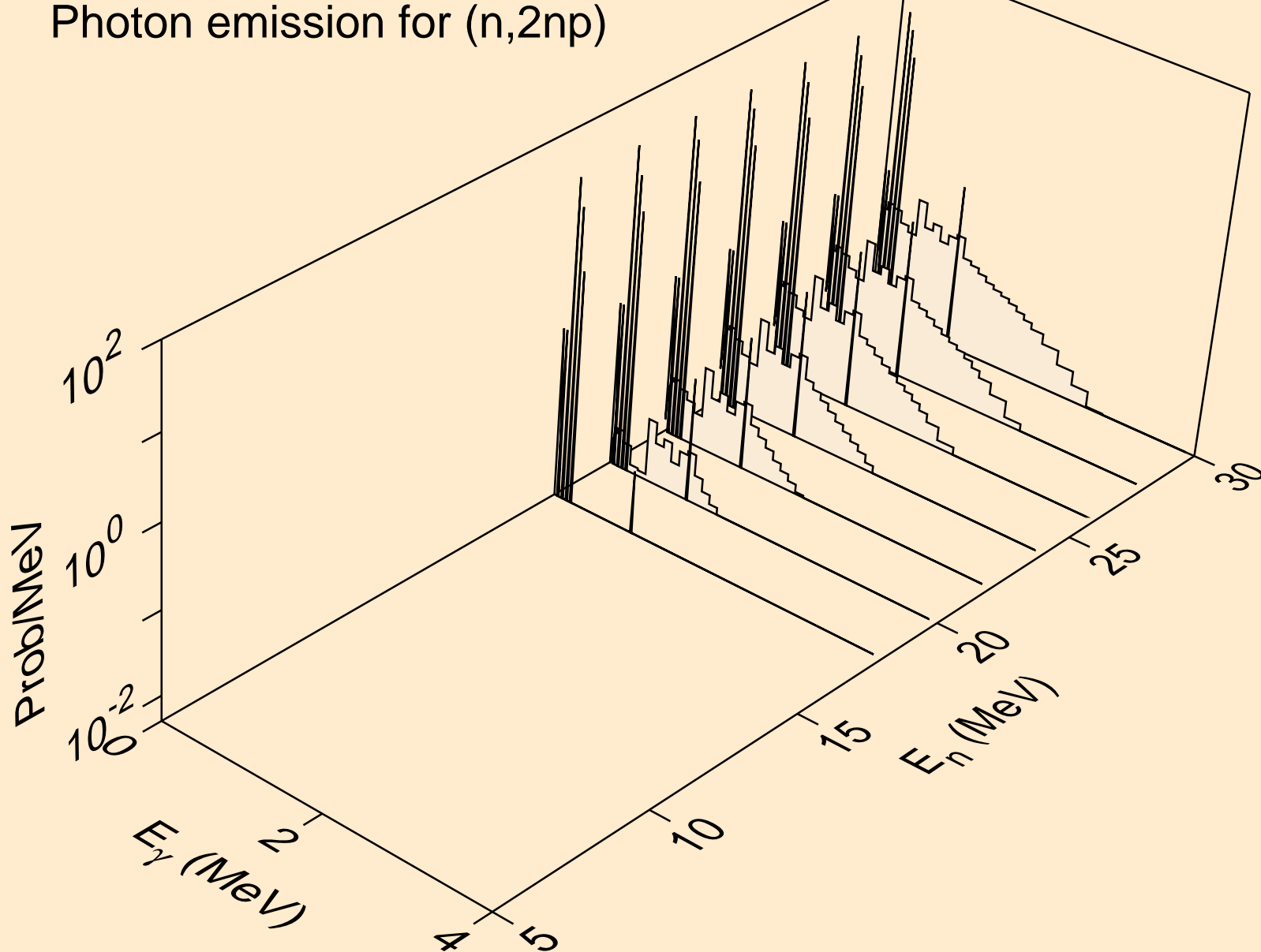
CF246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2np)



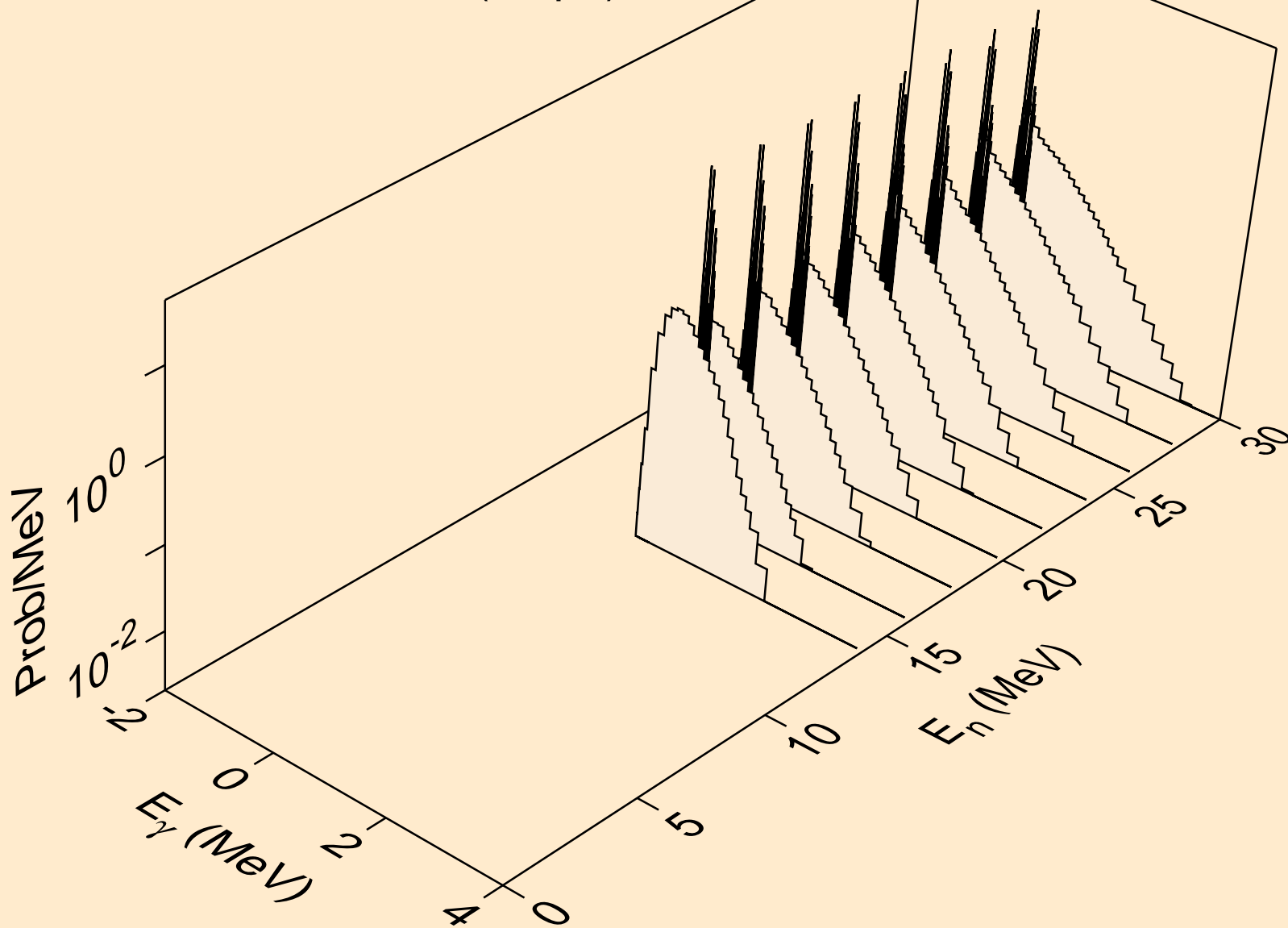
CF246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3np)



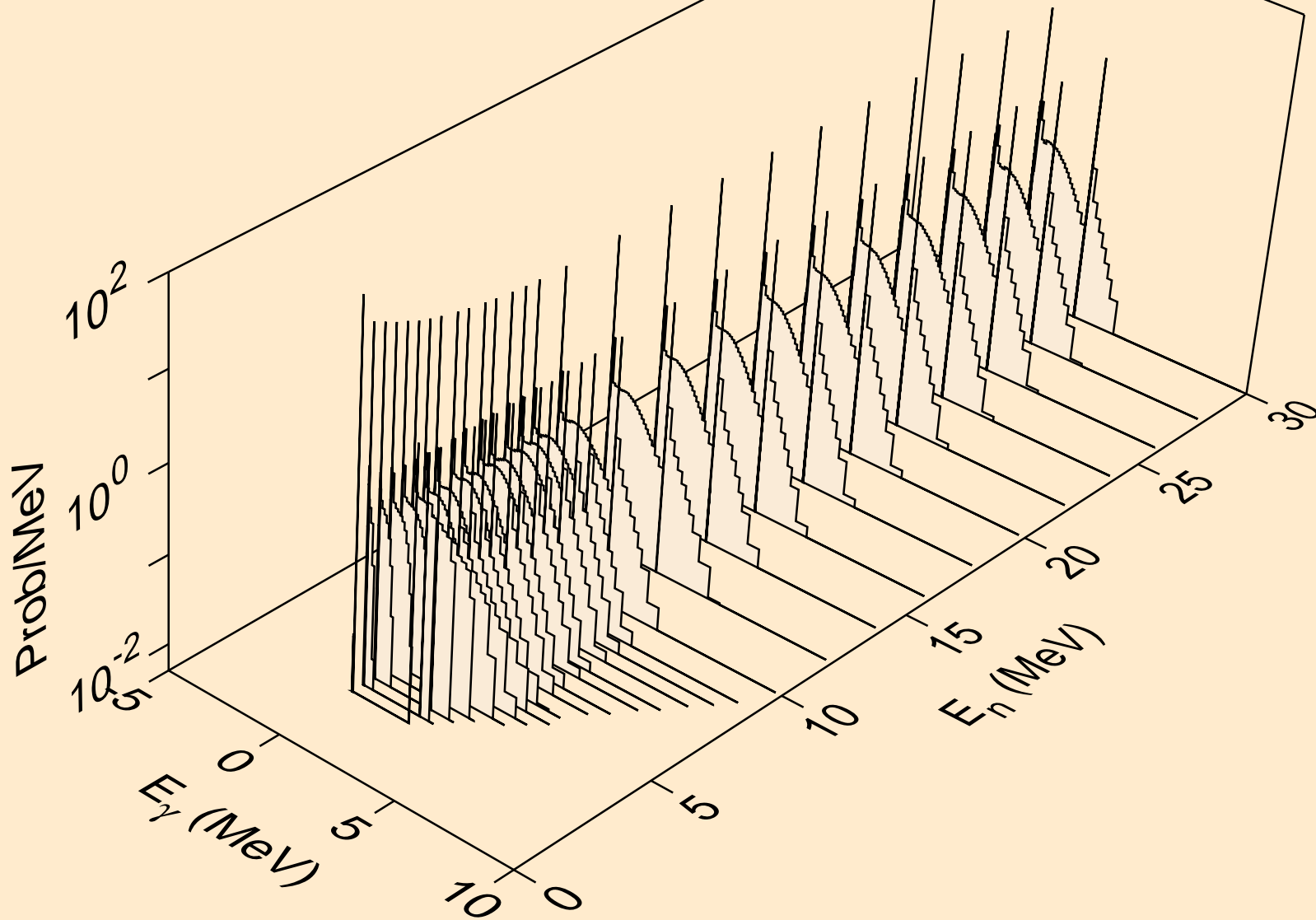
CF246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2np)



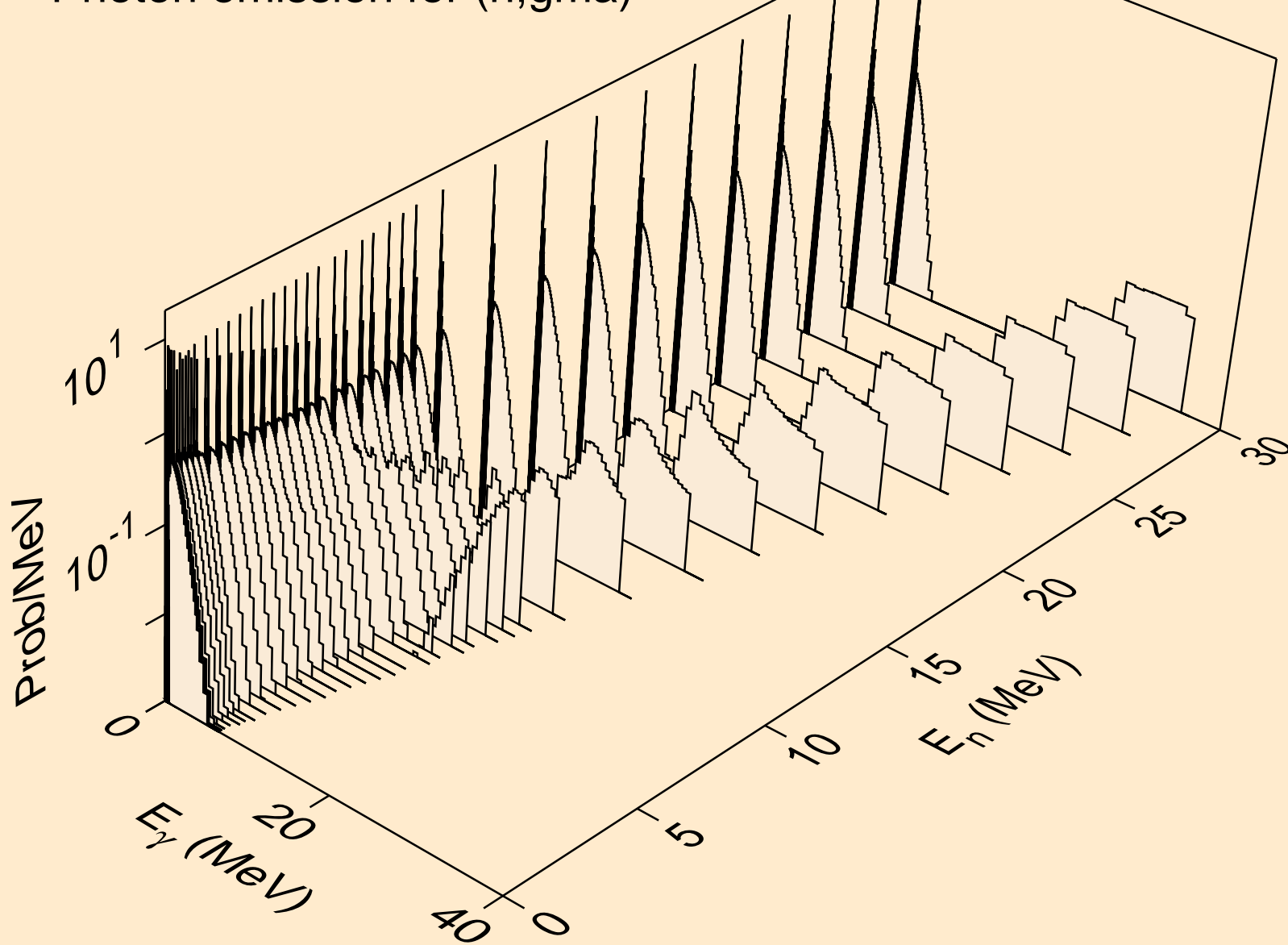
CF246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,npa)



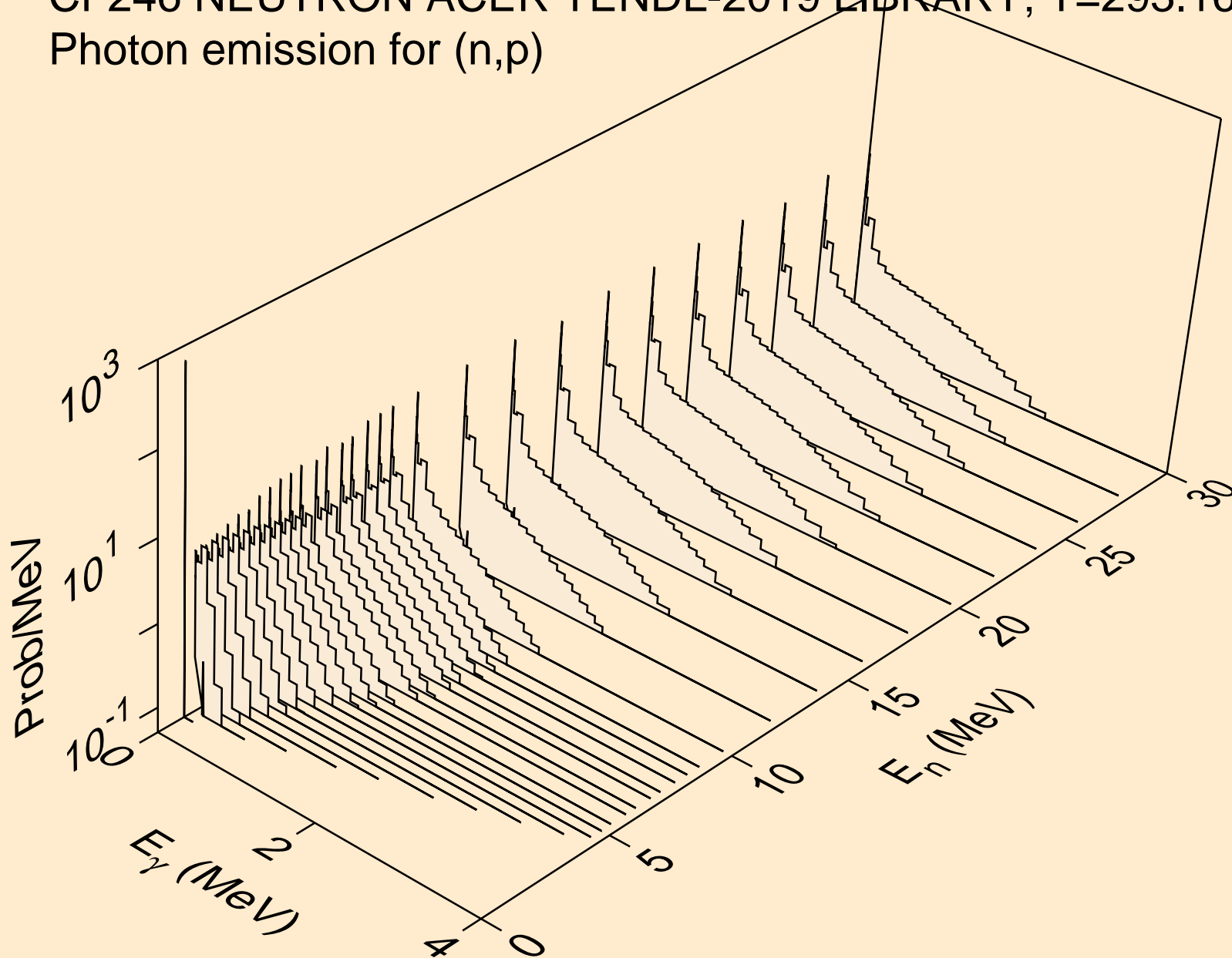
CF246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*c)



CF246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,gma)

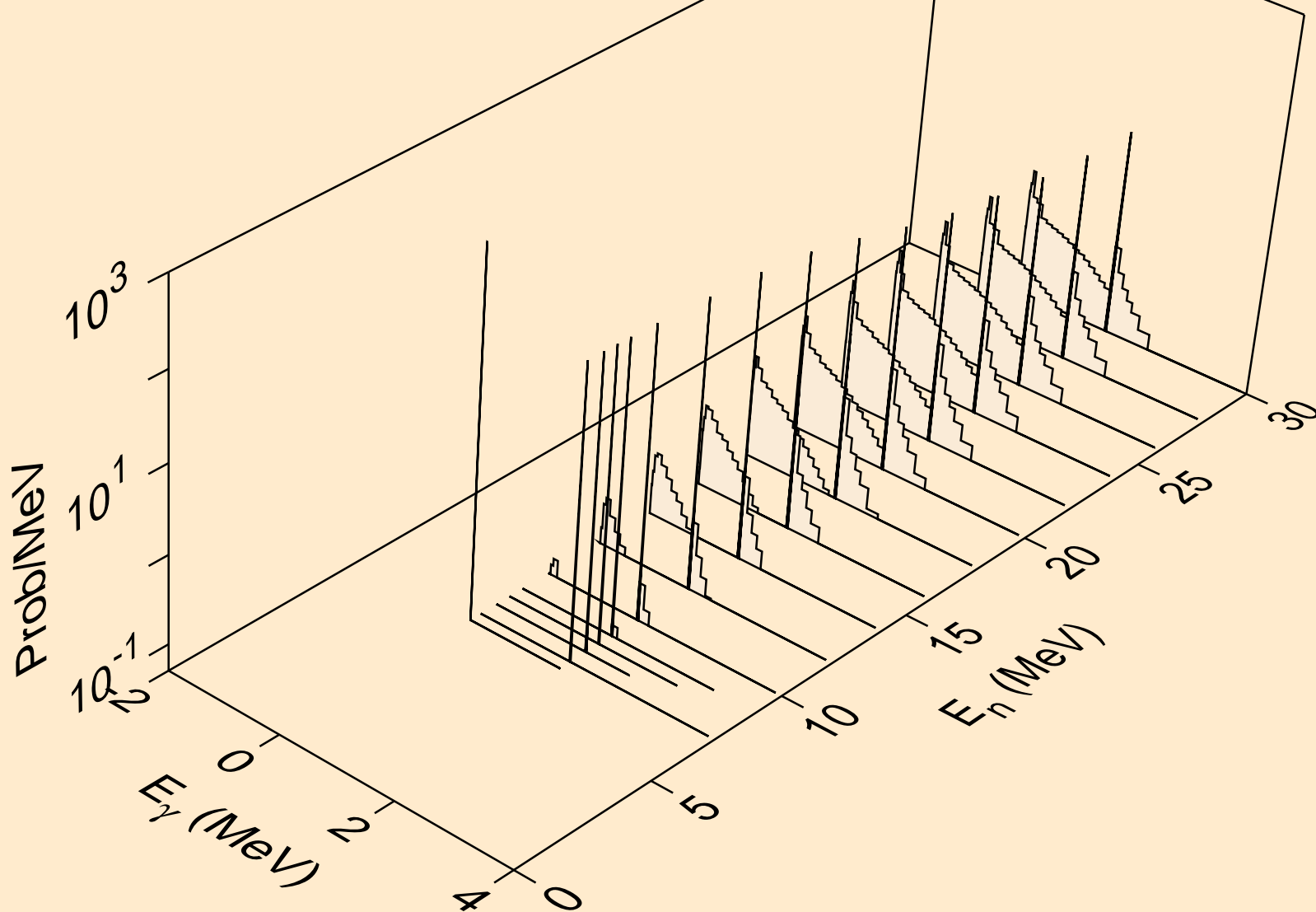


CF246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,p)

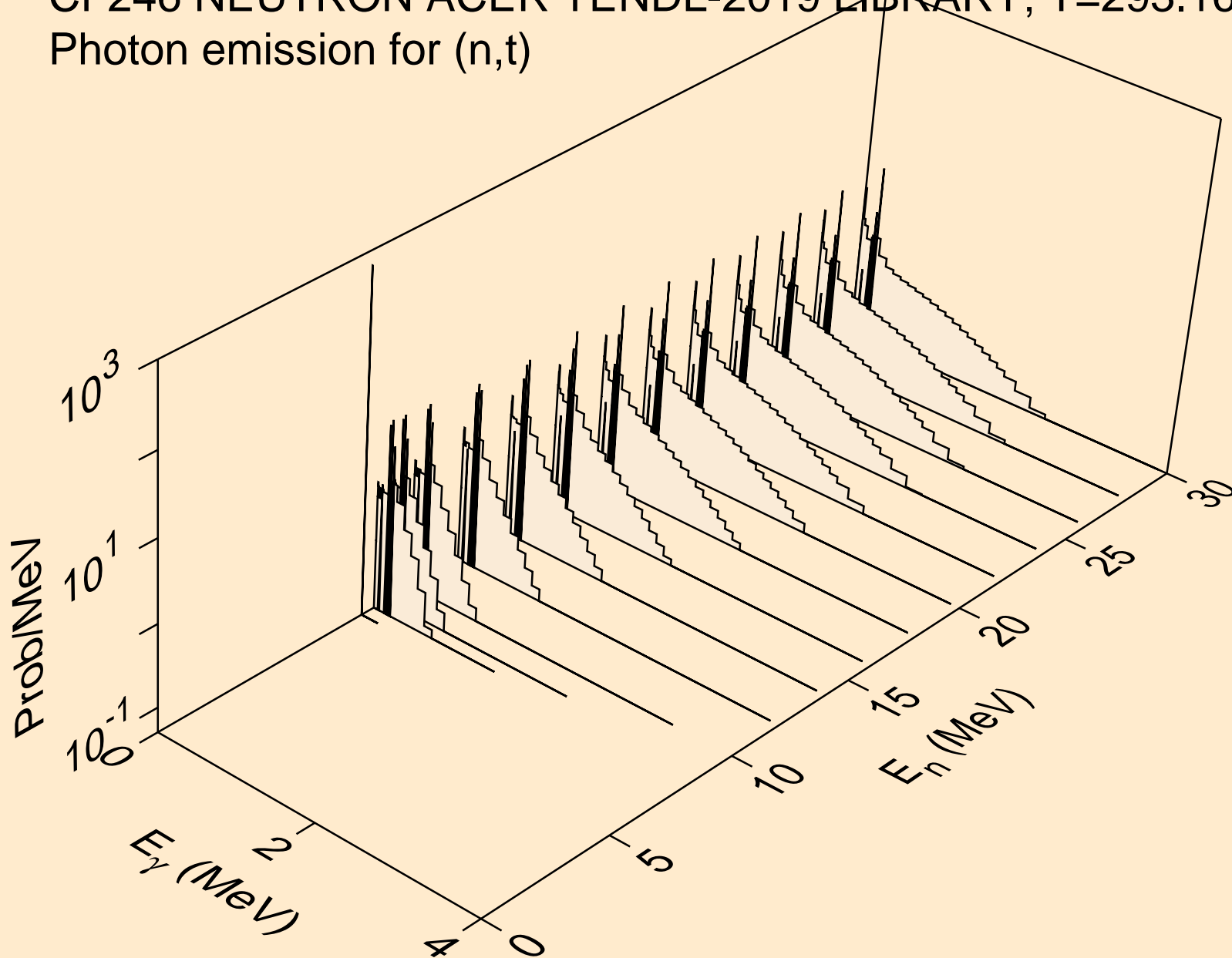




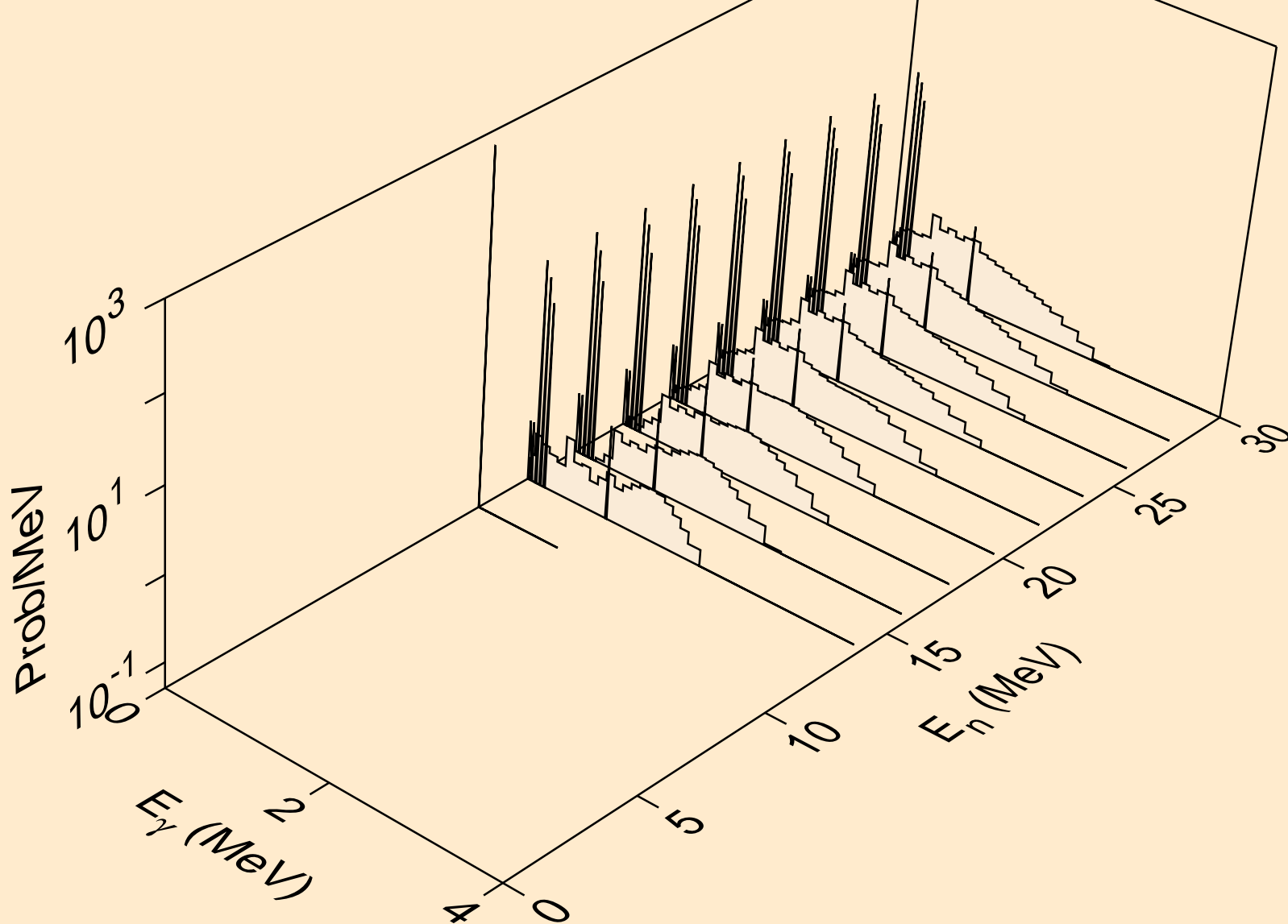
CF246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,d)



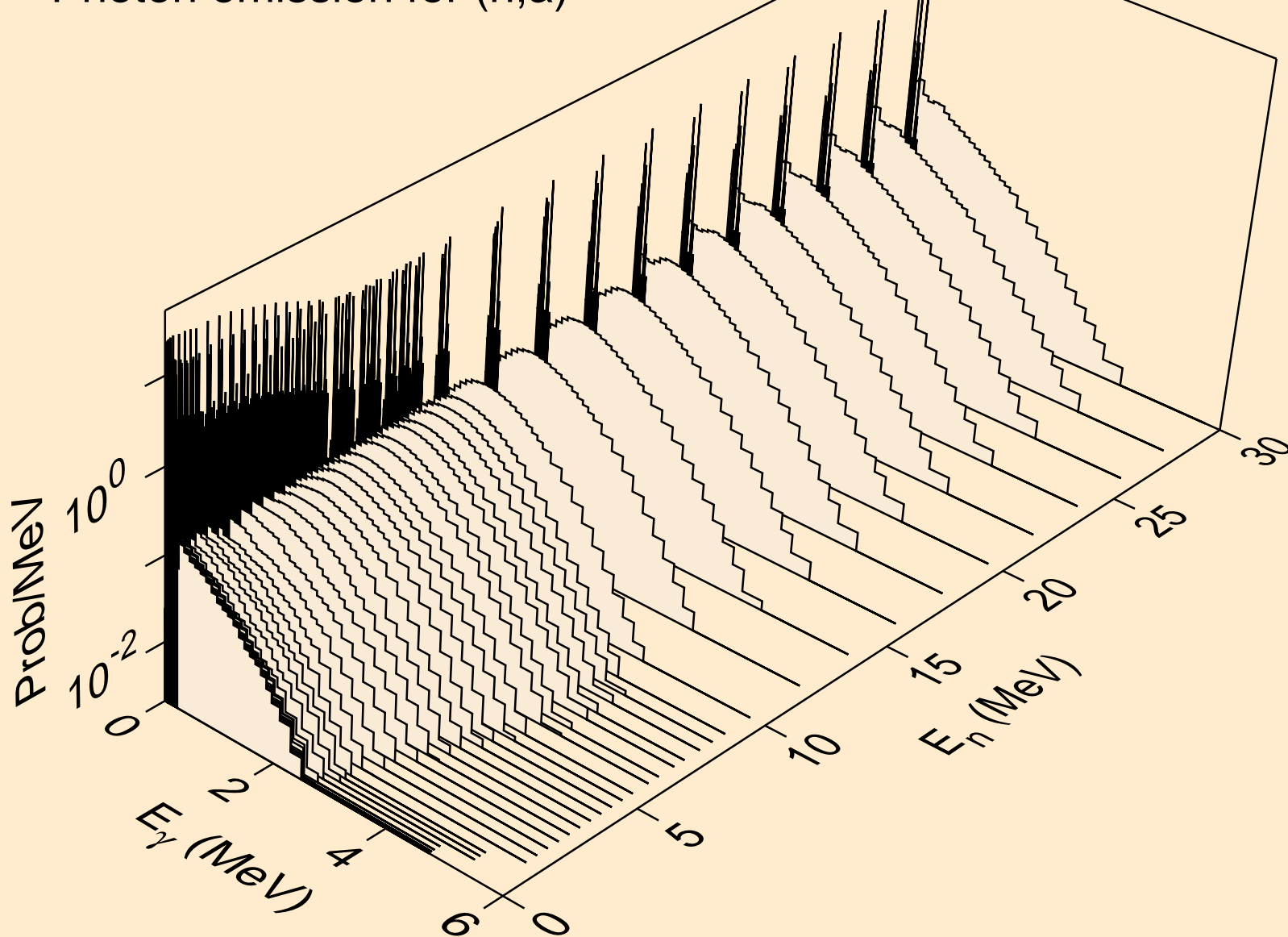
CF246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,t)



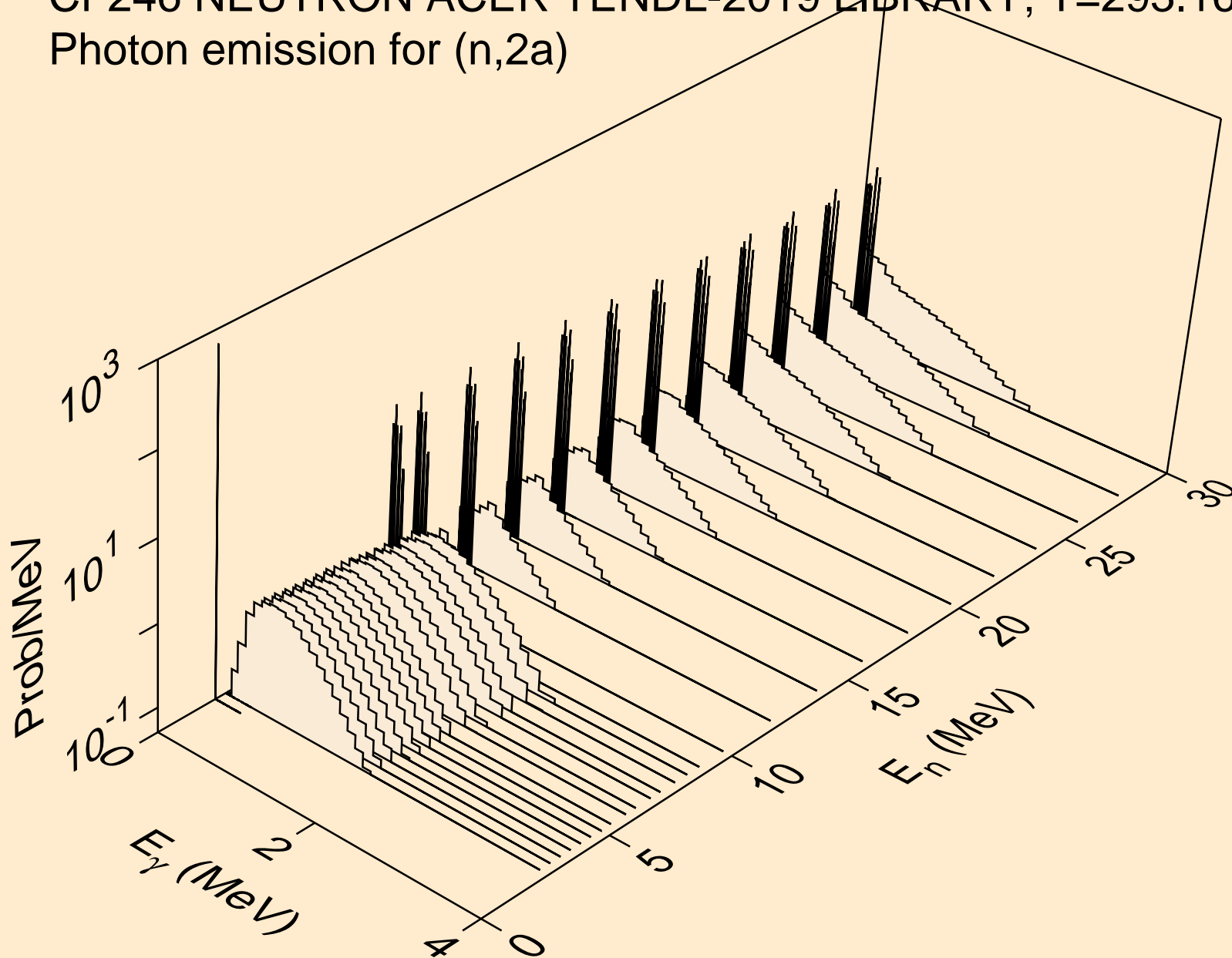
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Photon emission for (n,he3)



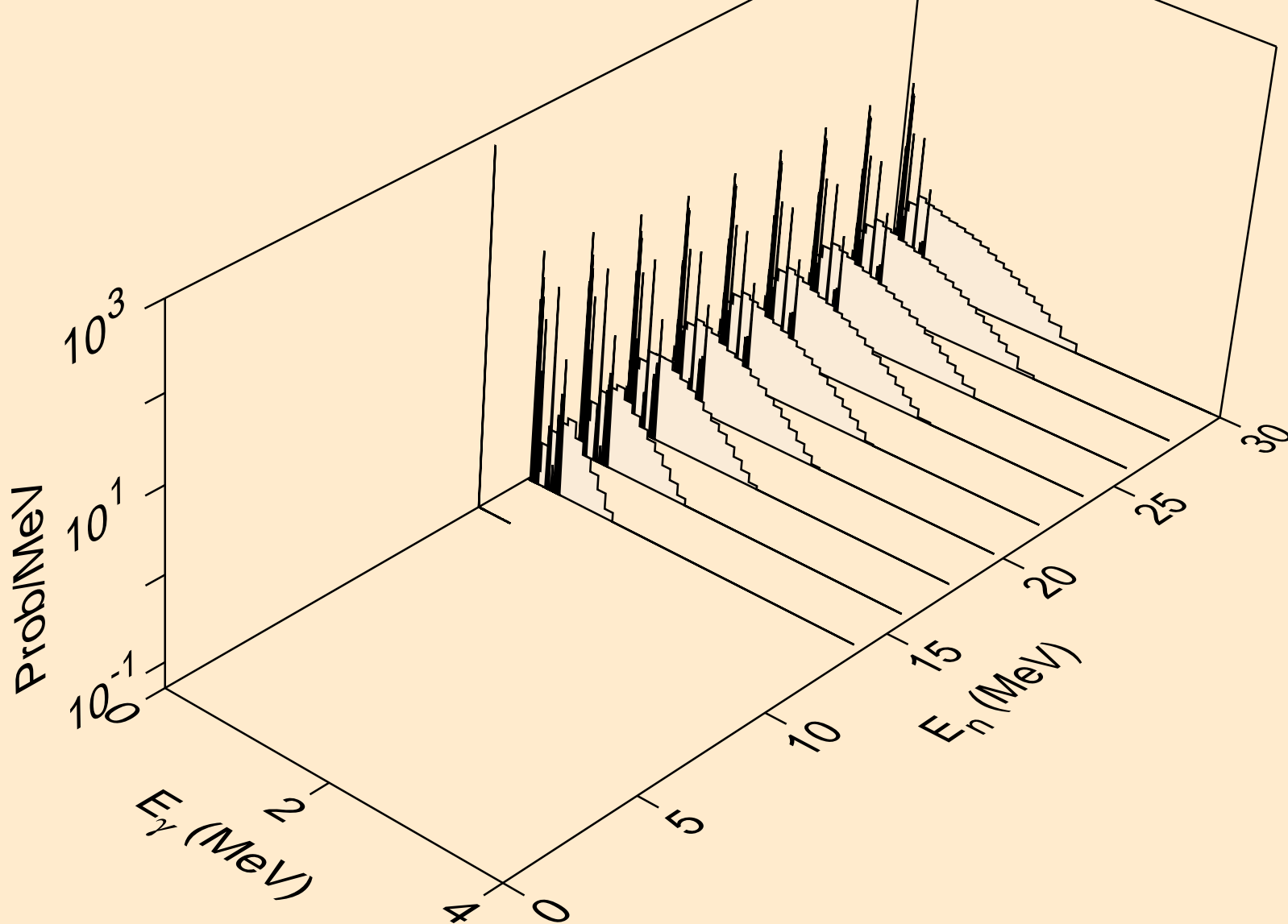
CF246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,a)



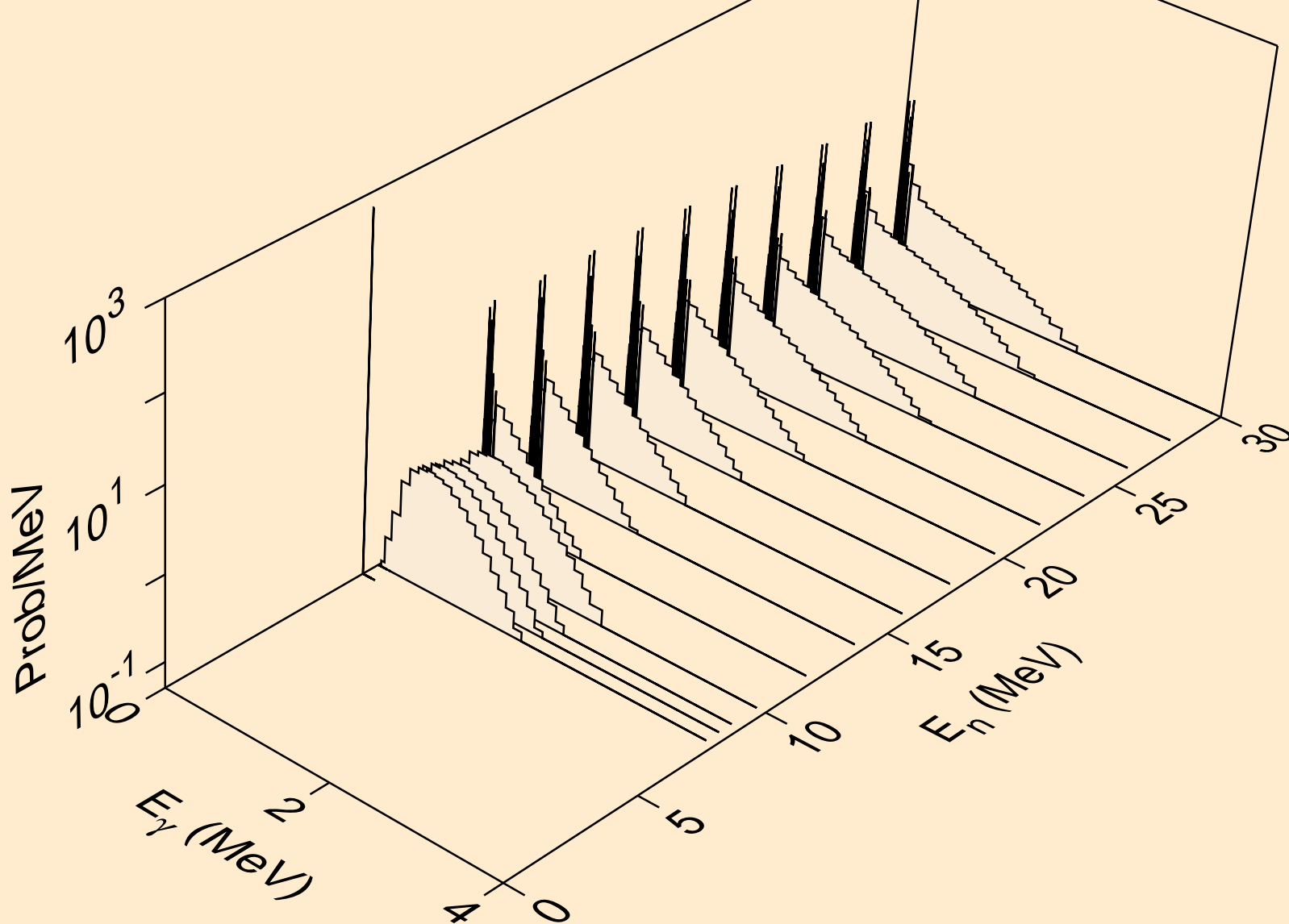
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Photon emission for (n,2a)



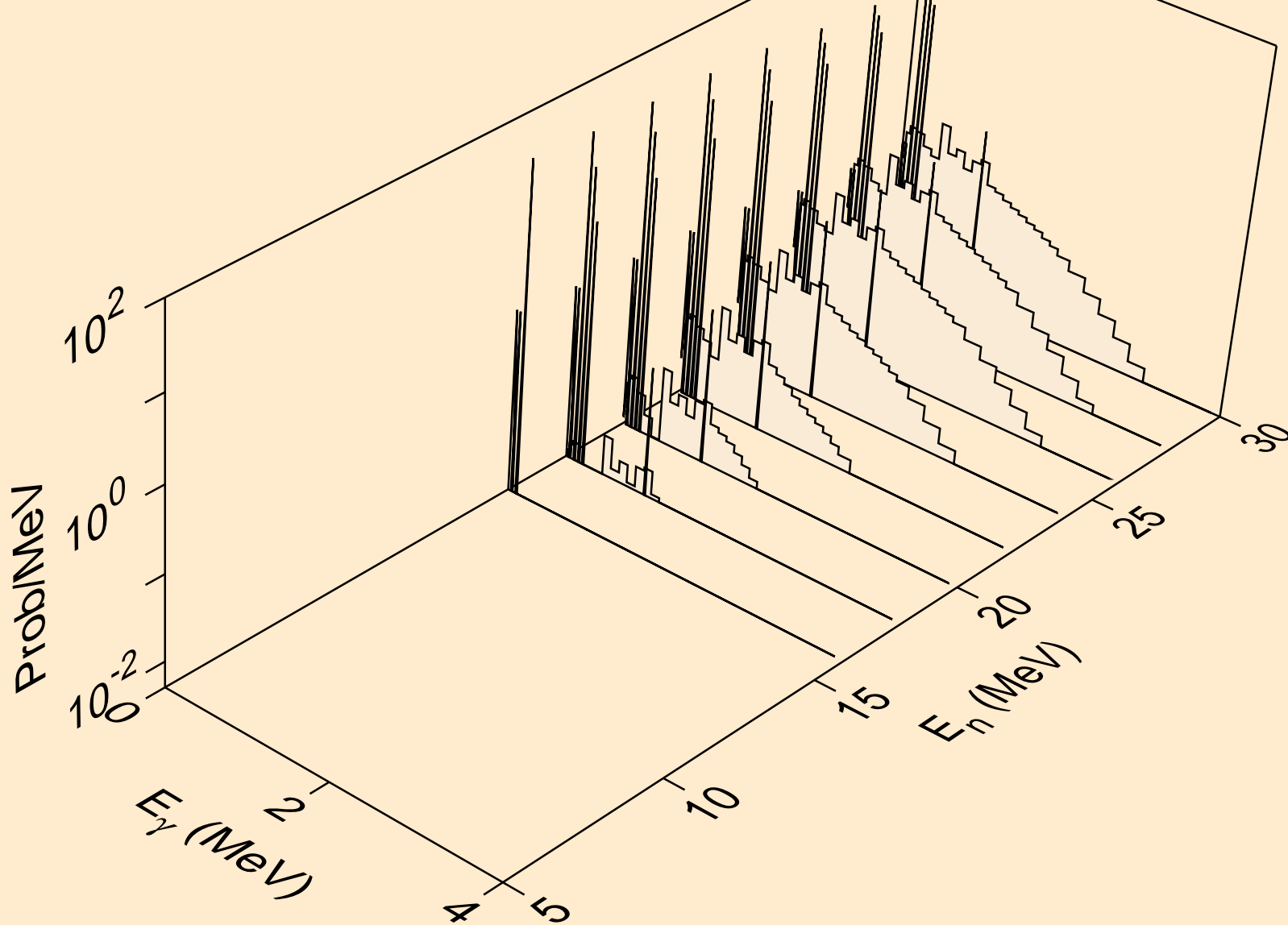
CF246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2p)



CF246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,p $\alpha$ )

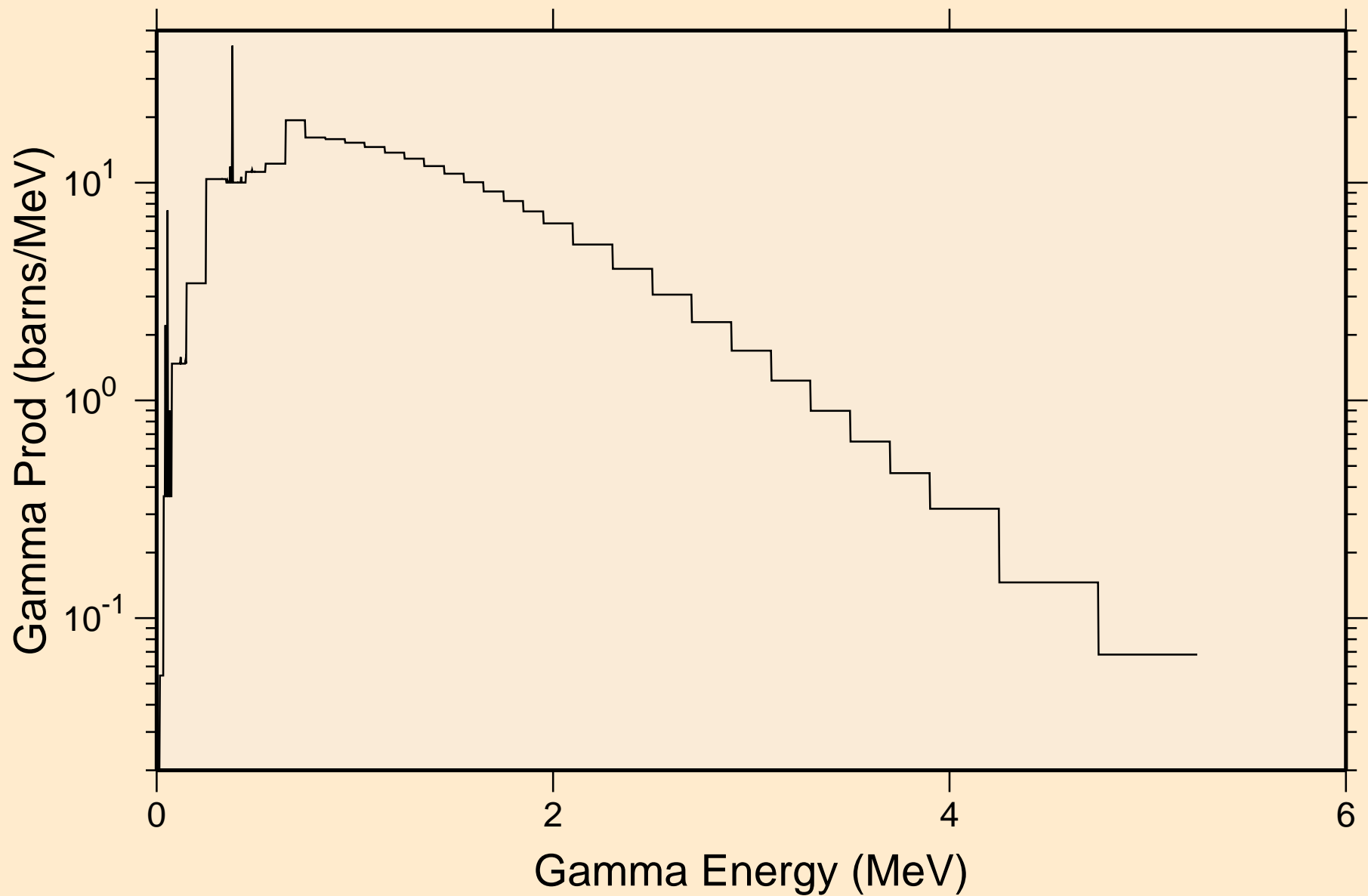


CF246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,pd)

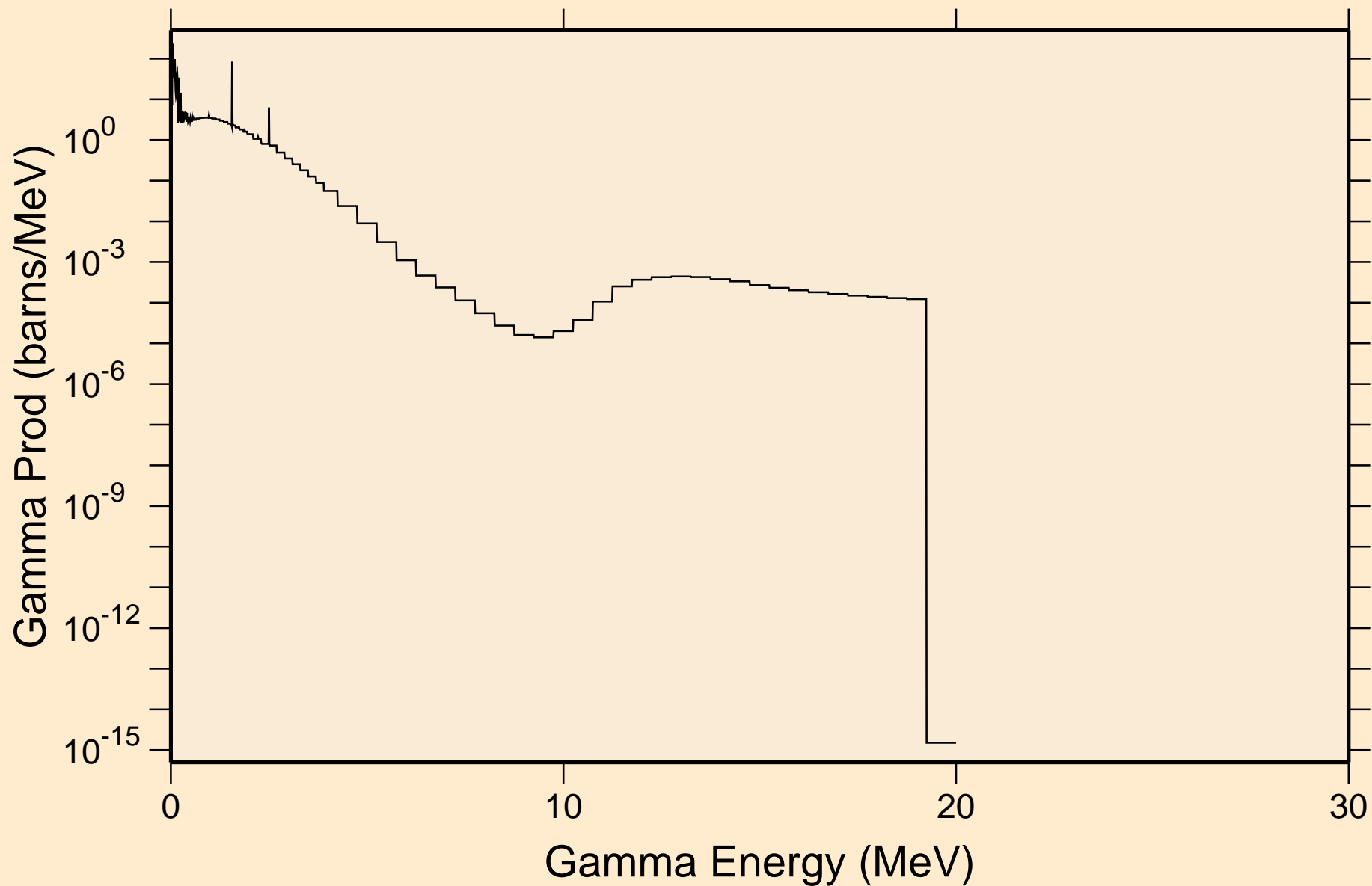




CF246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
thermal capture photon spectrum

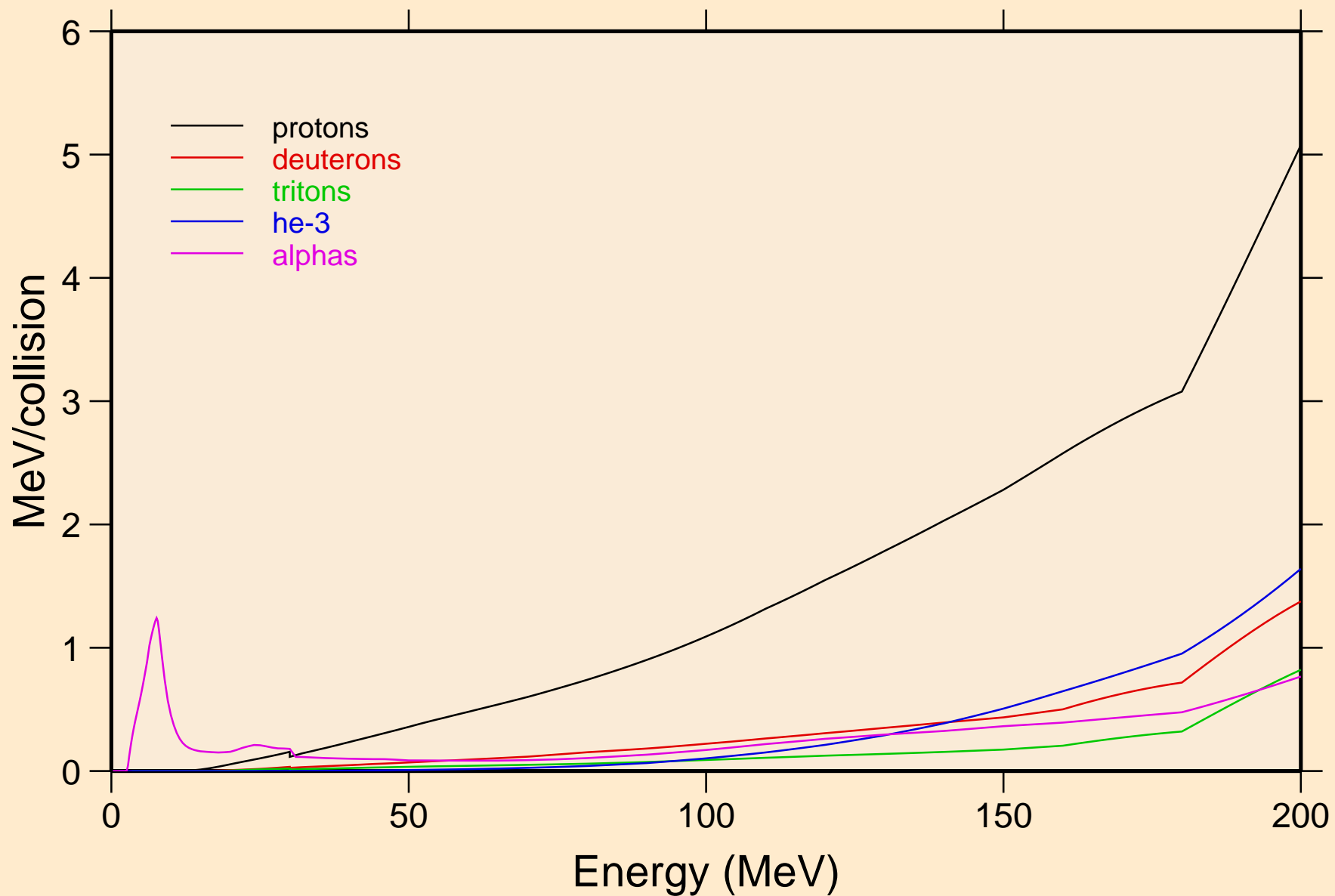


CF246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
14 MeV photon spectrum

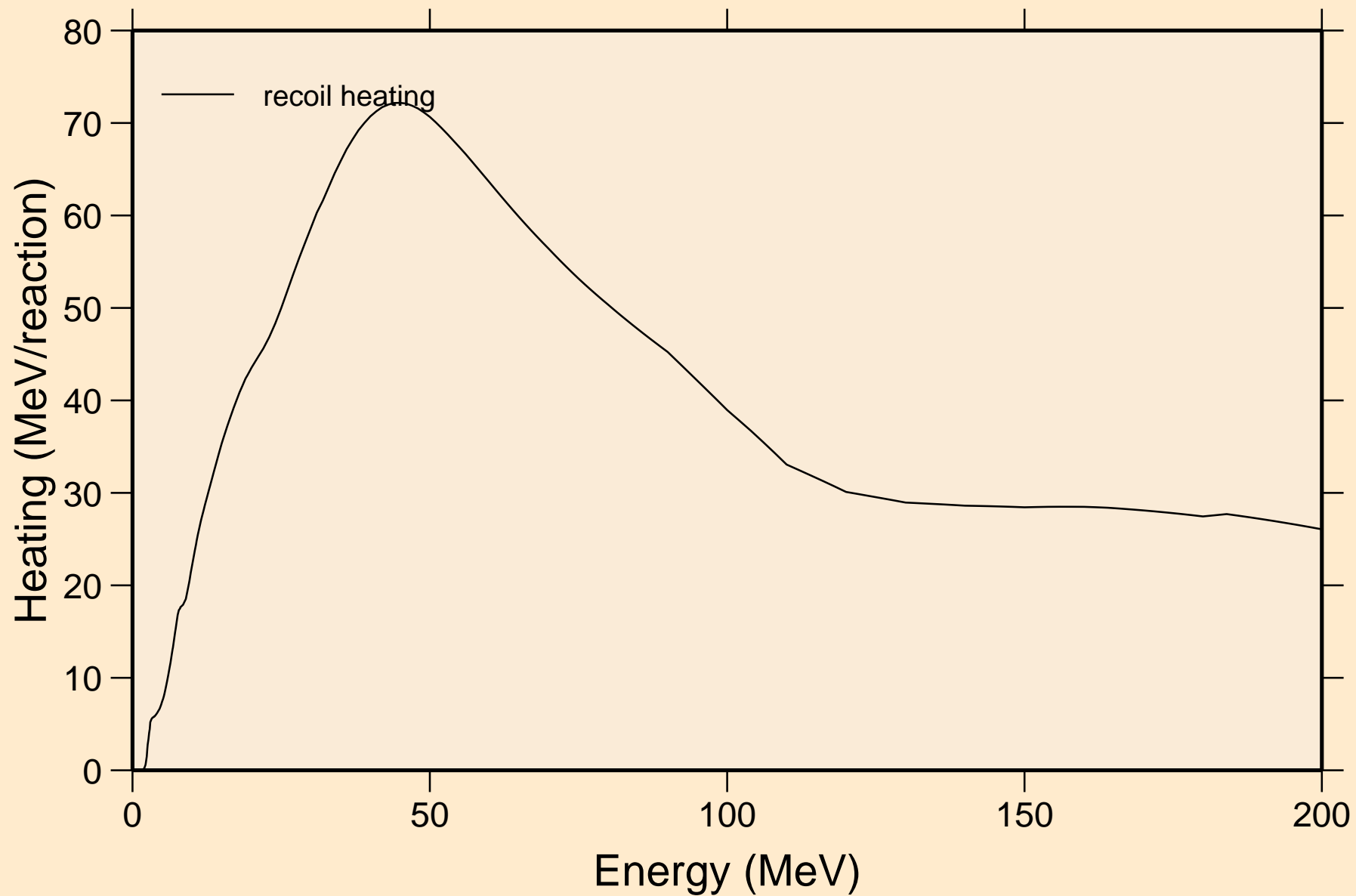


# CF246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Particle heating contributions

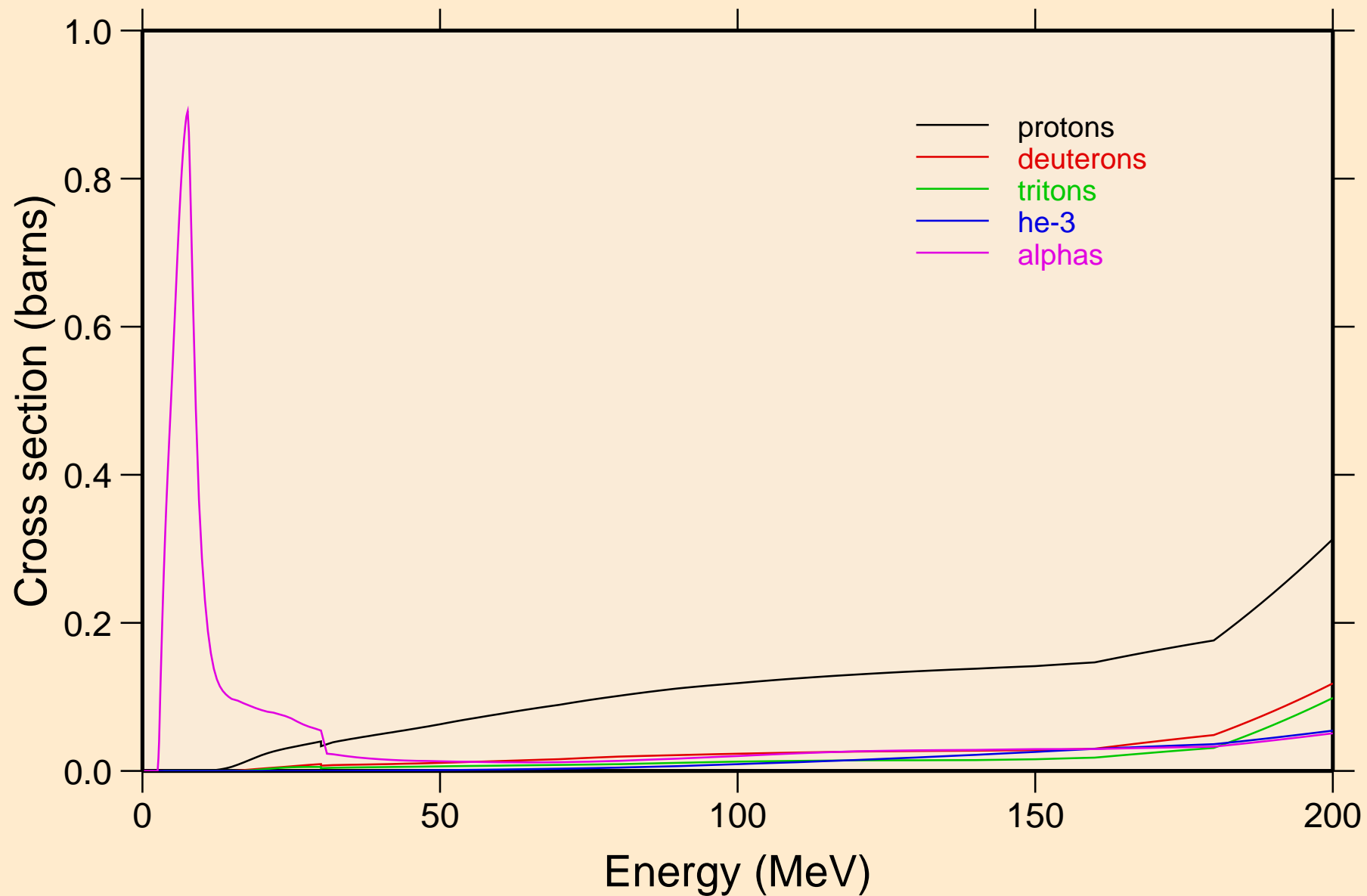


CF246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Recoil Heating

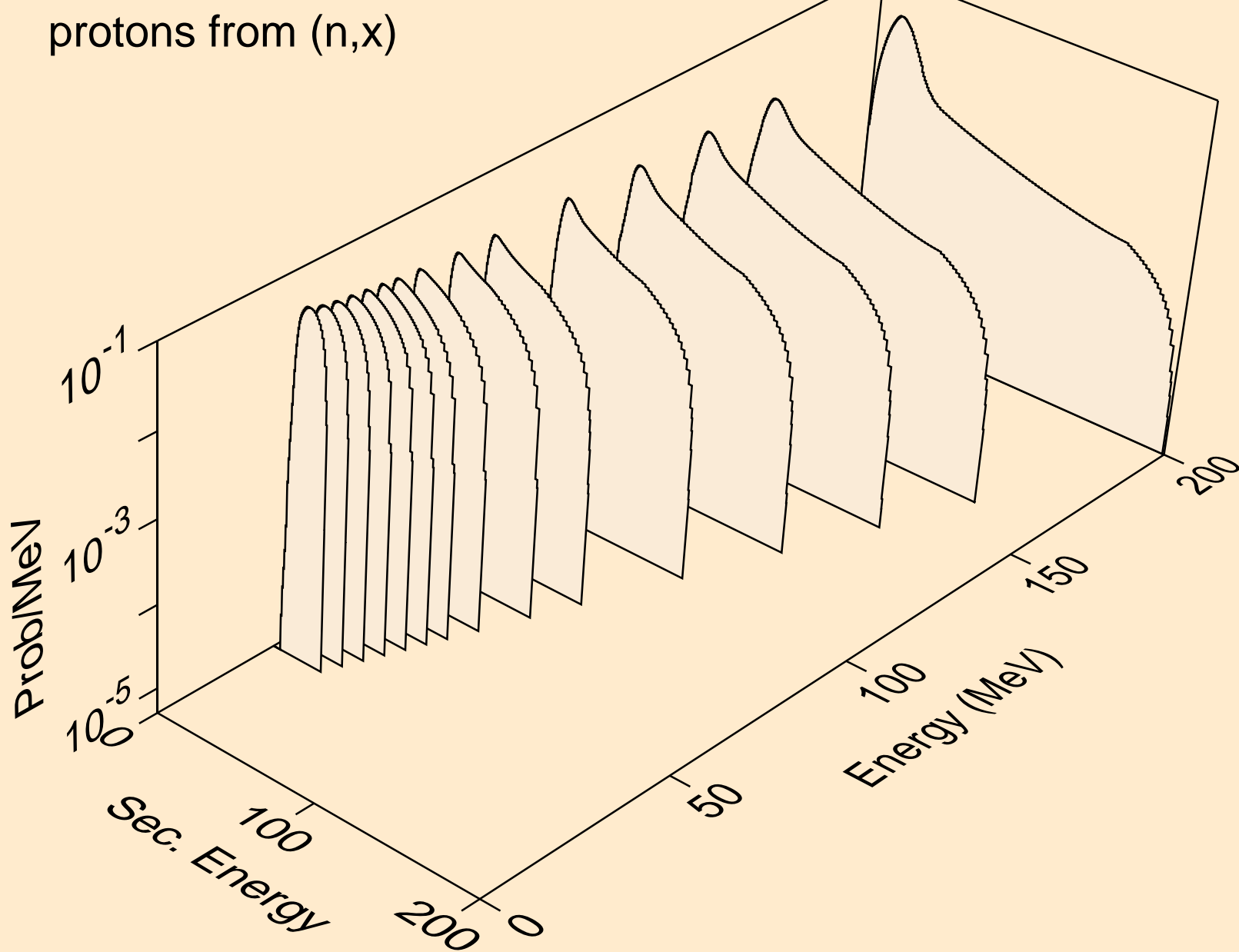


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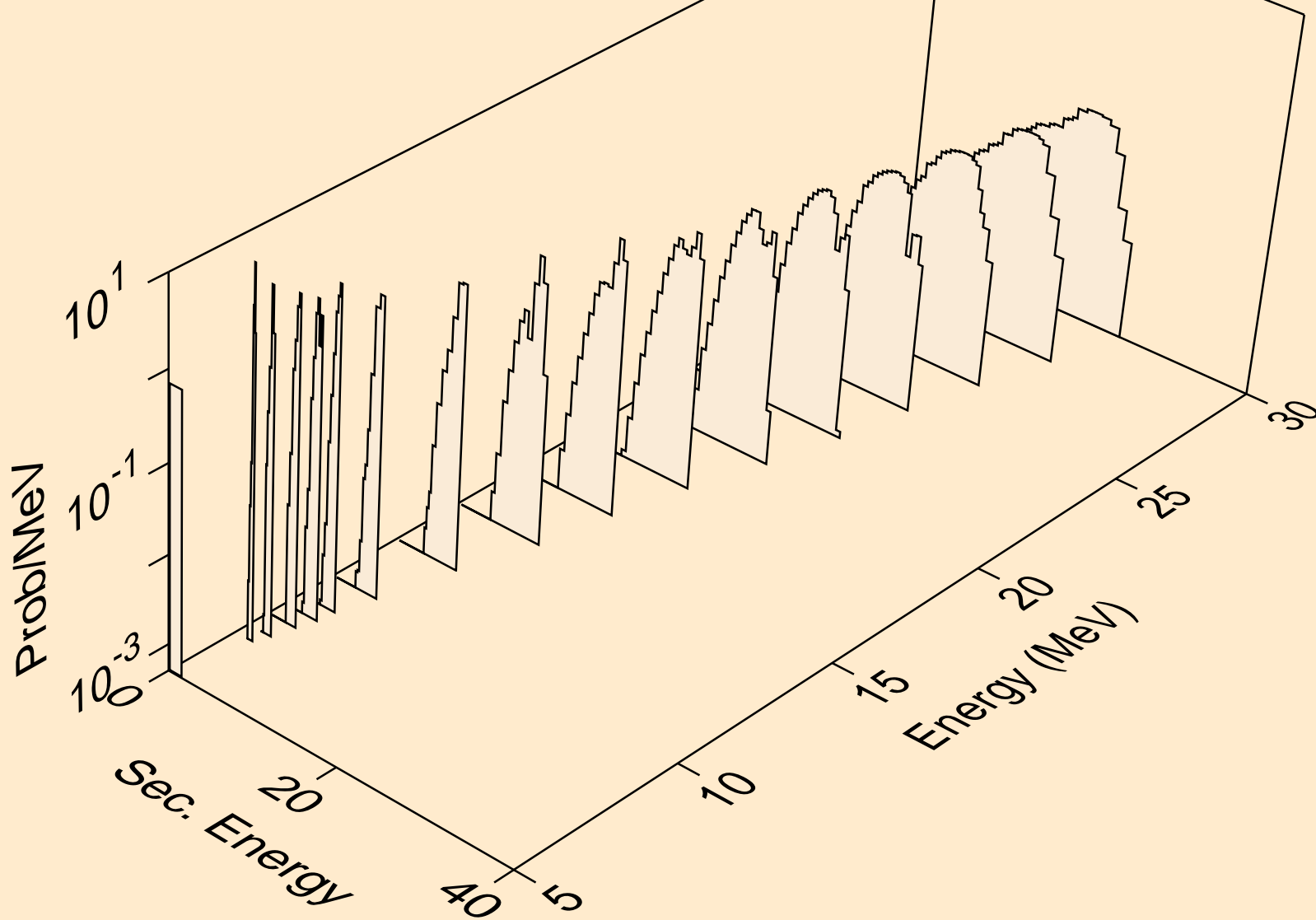
## Particle production cross sections



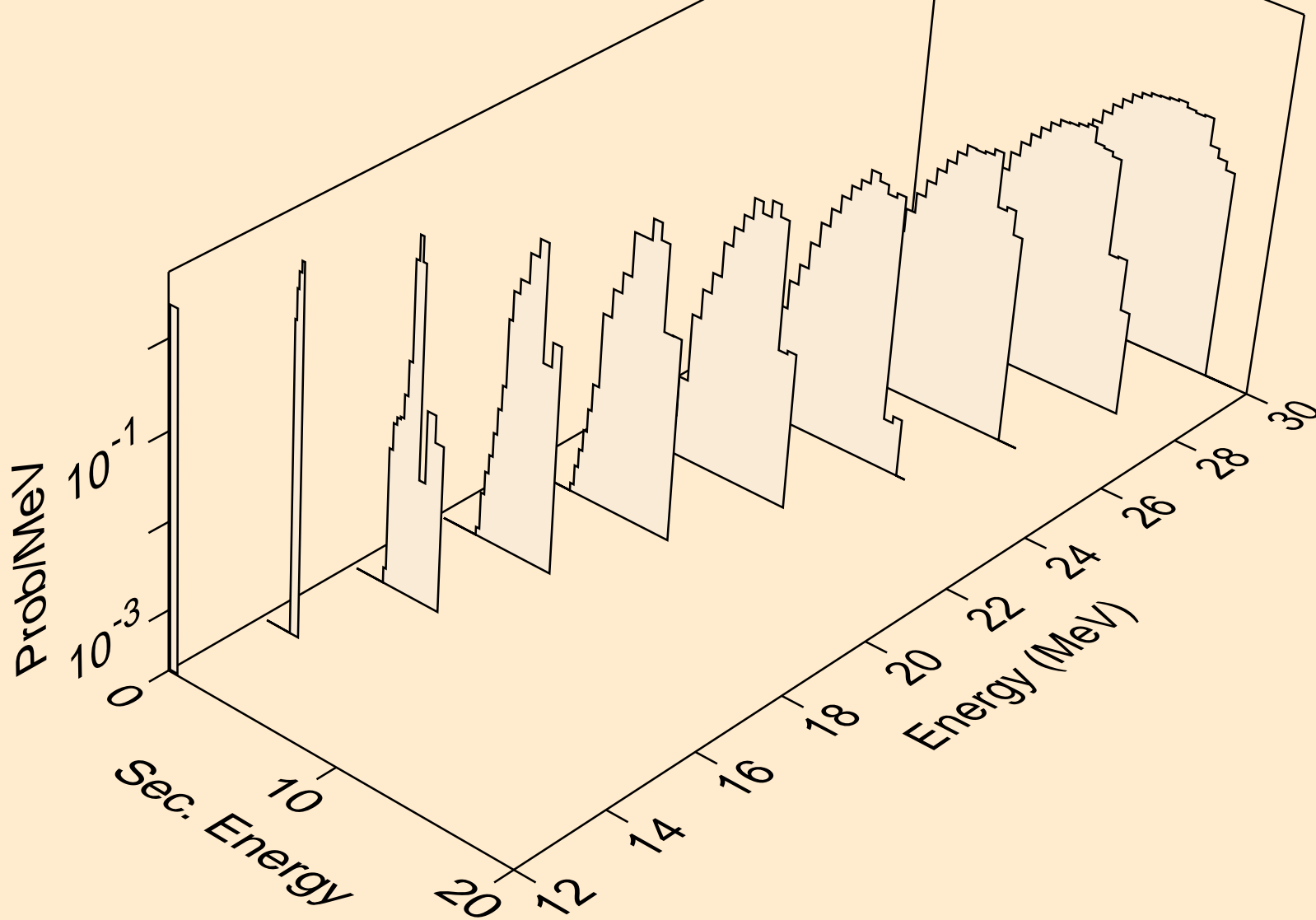
CF246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,x)



CF246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,n\*)p

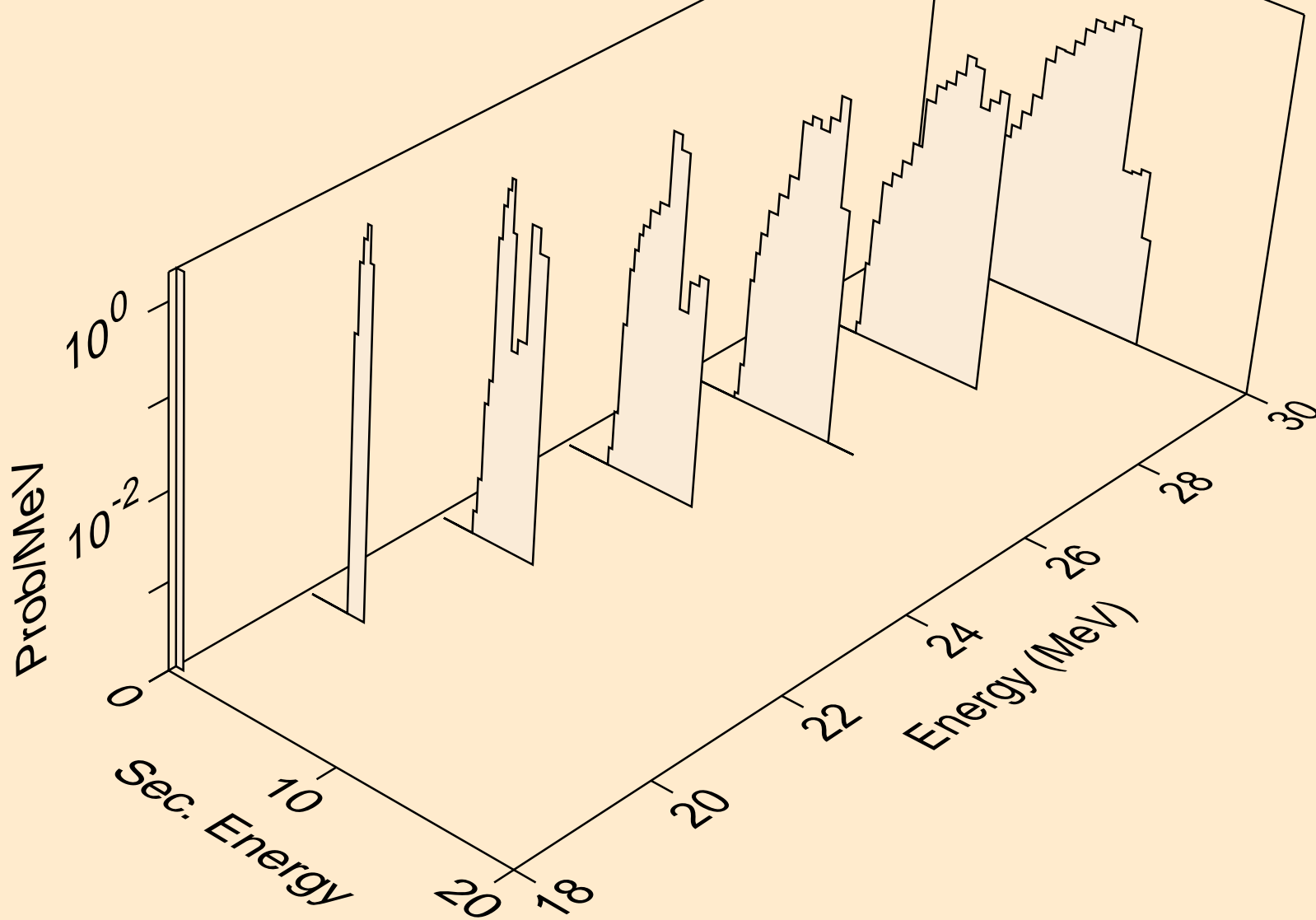


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protons from (n,2np)

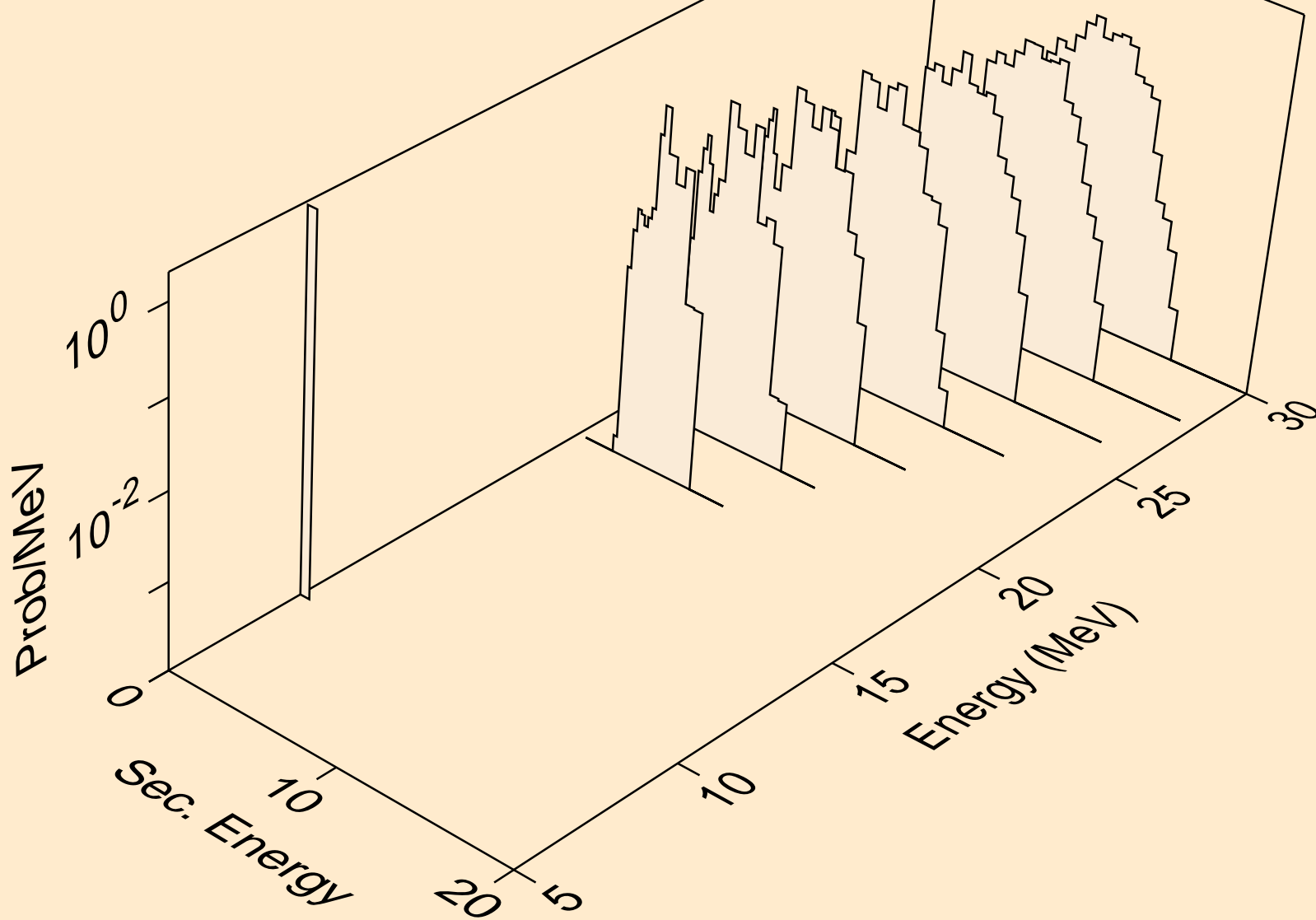




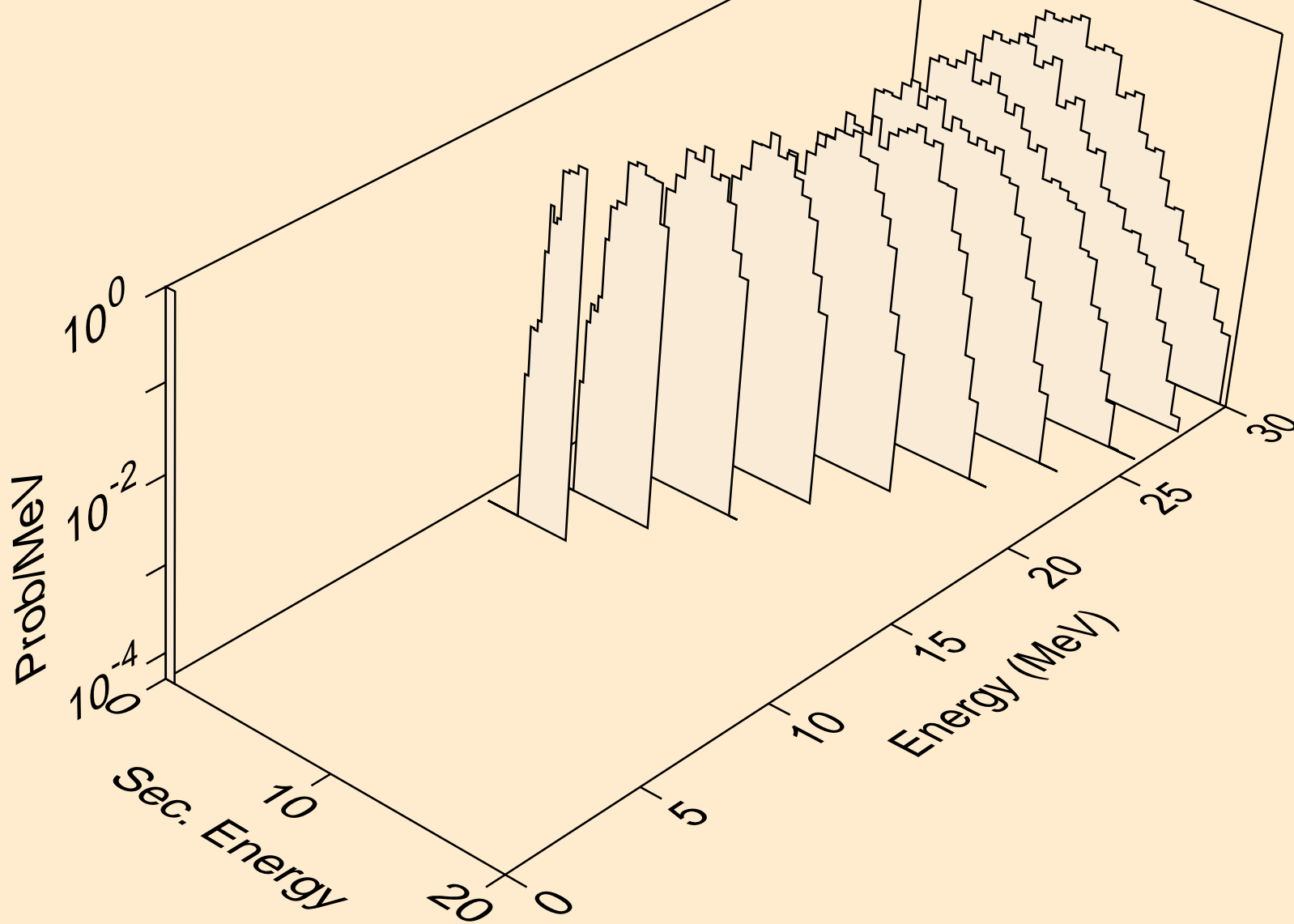
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protons from (n,3np)



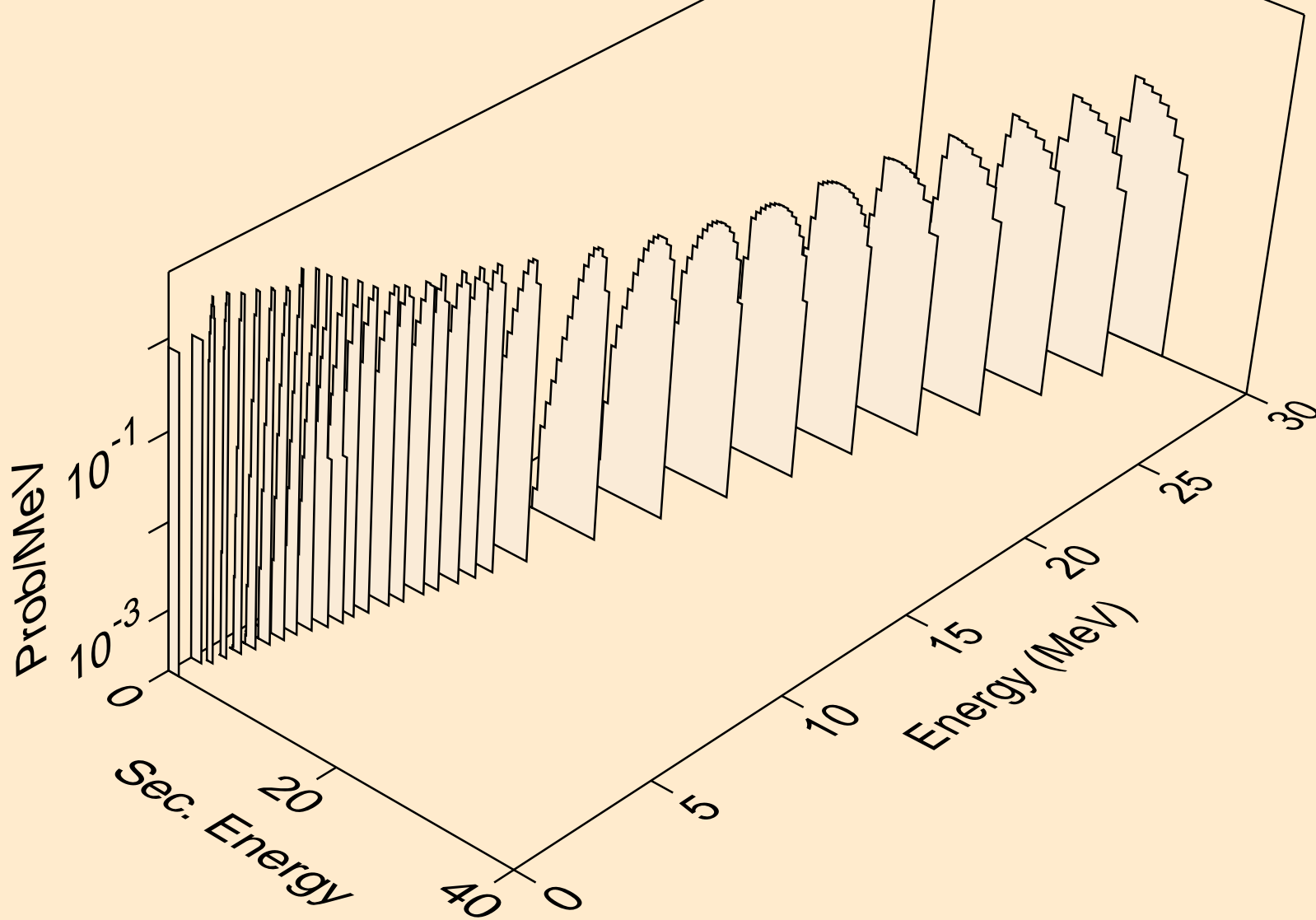
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protons from (n,2np)



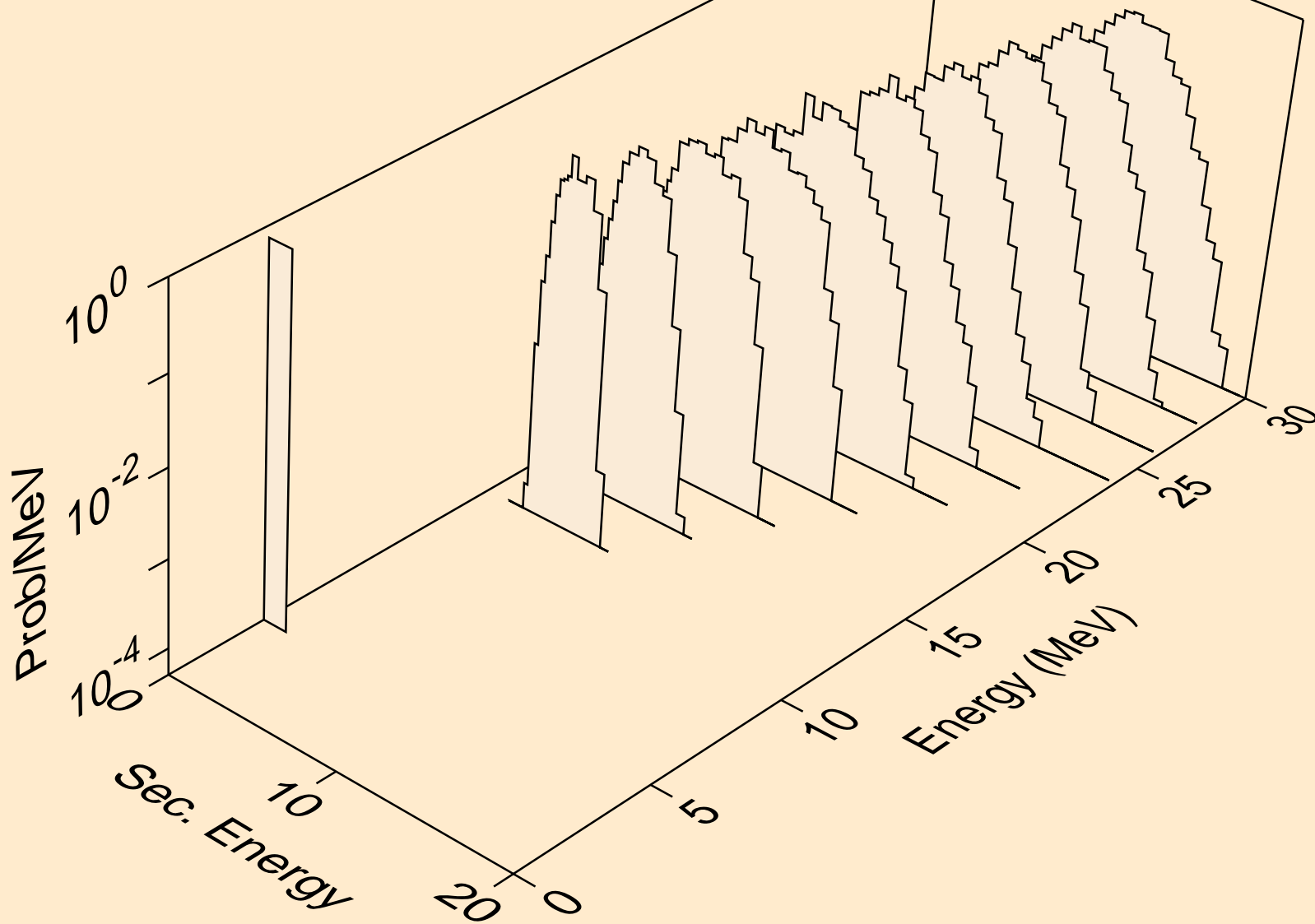
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protons from (n,npa)



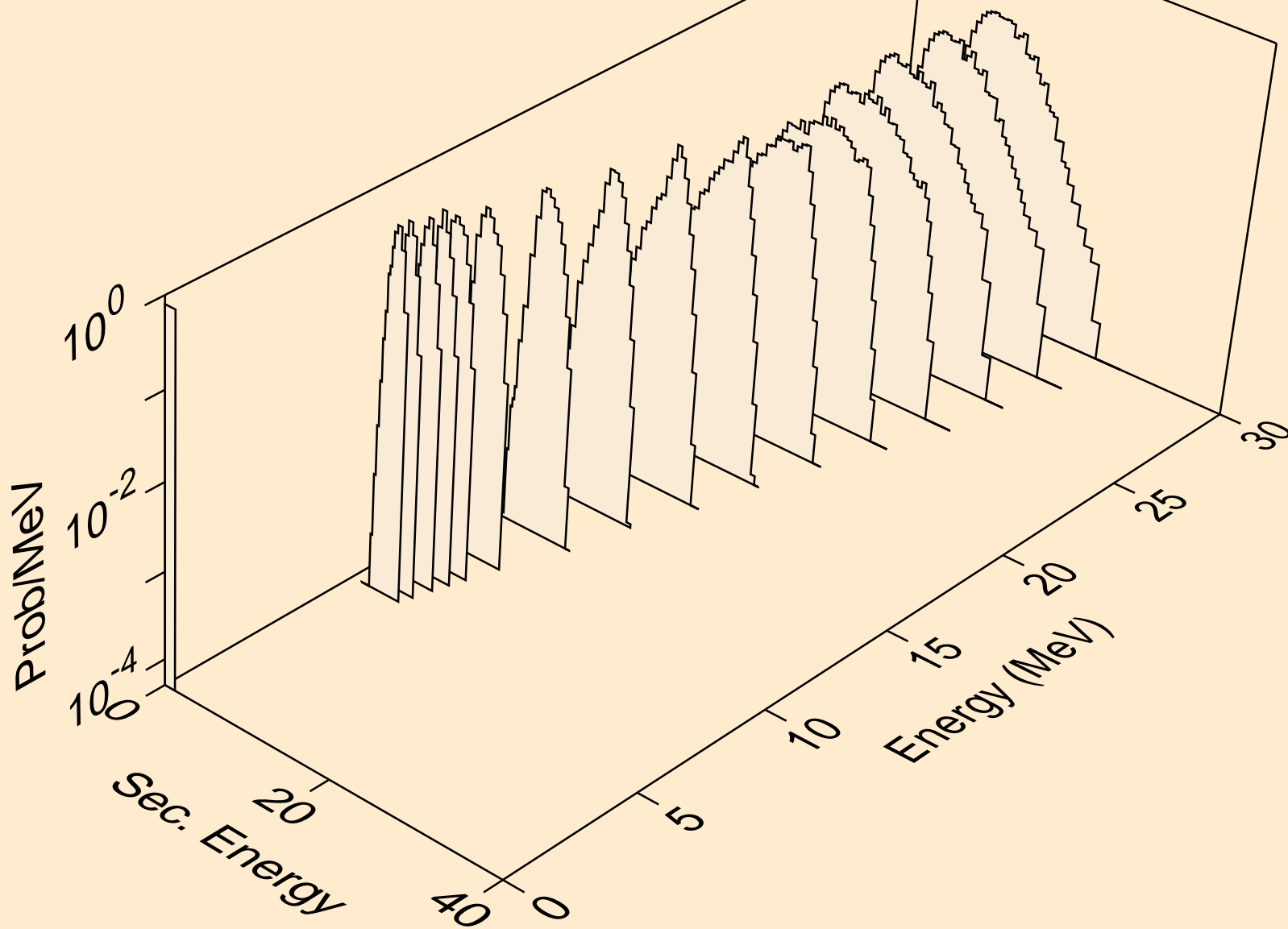
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protons from (n,p)



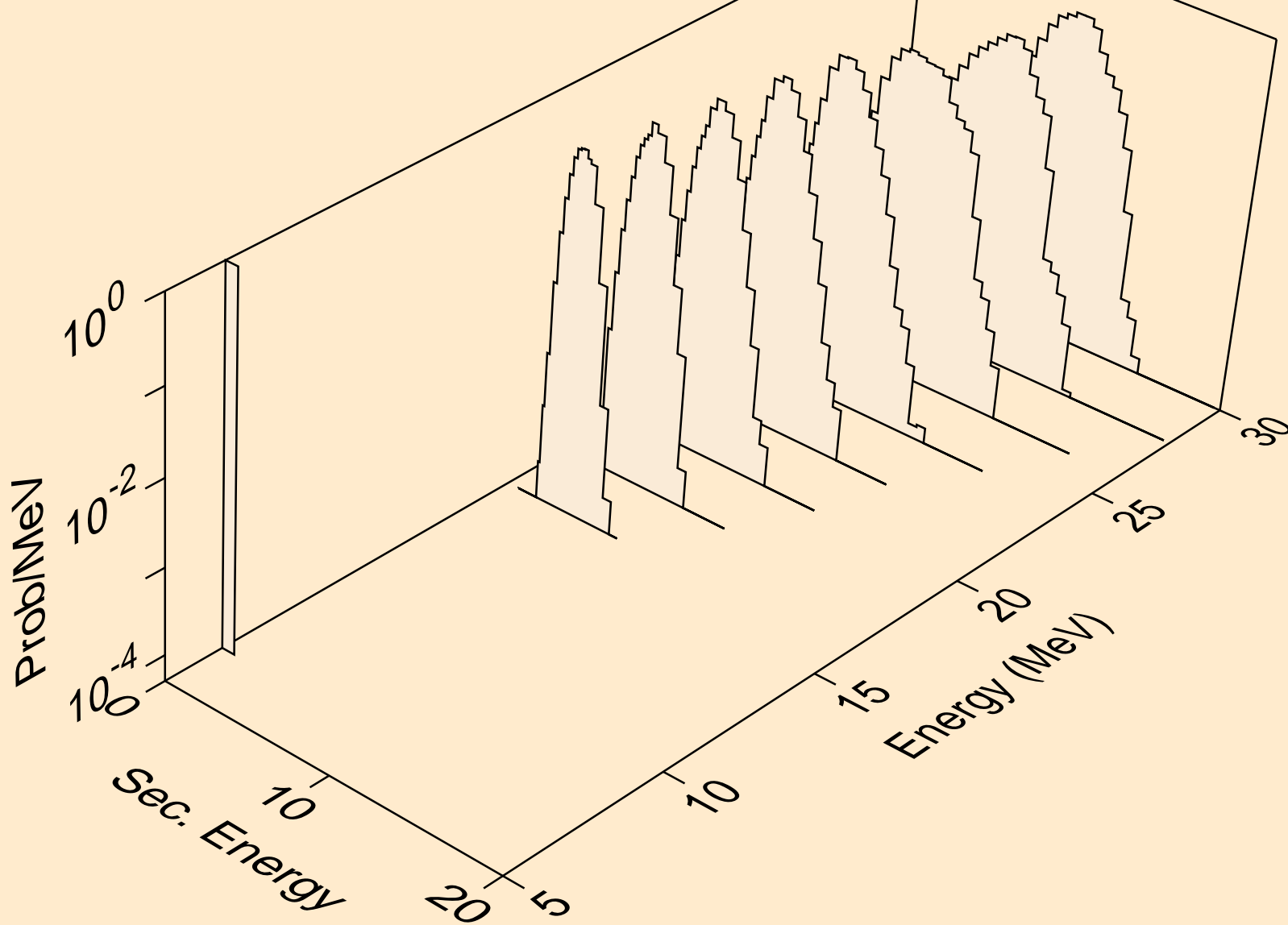
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protons from (n,2p)



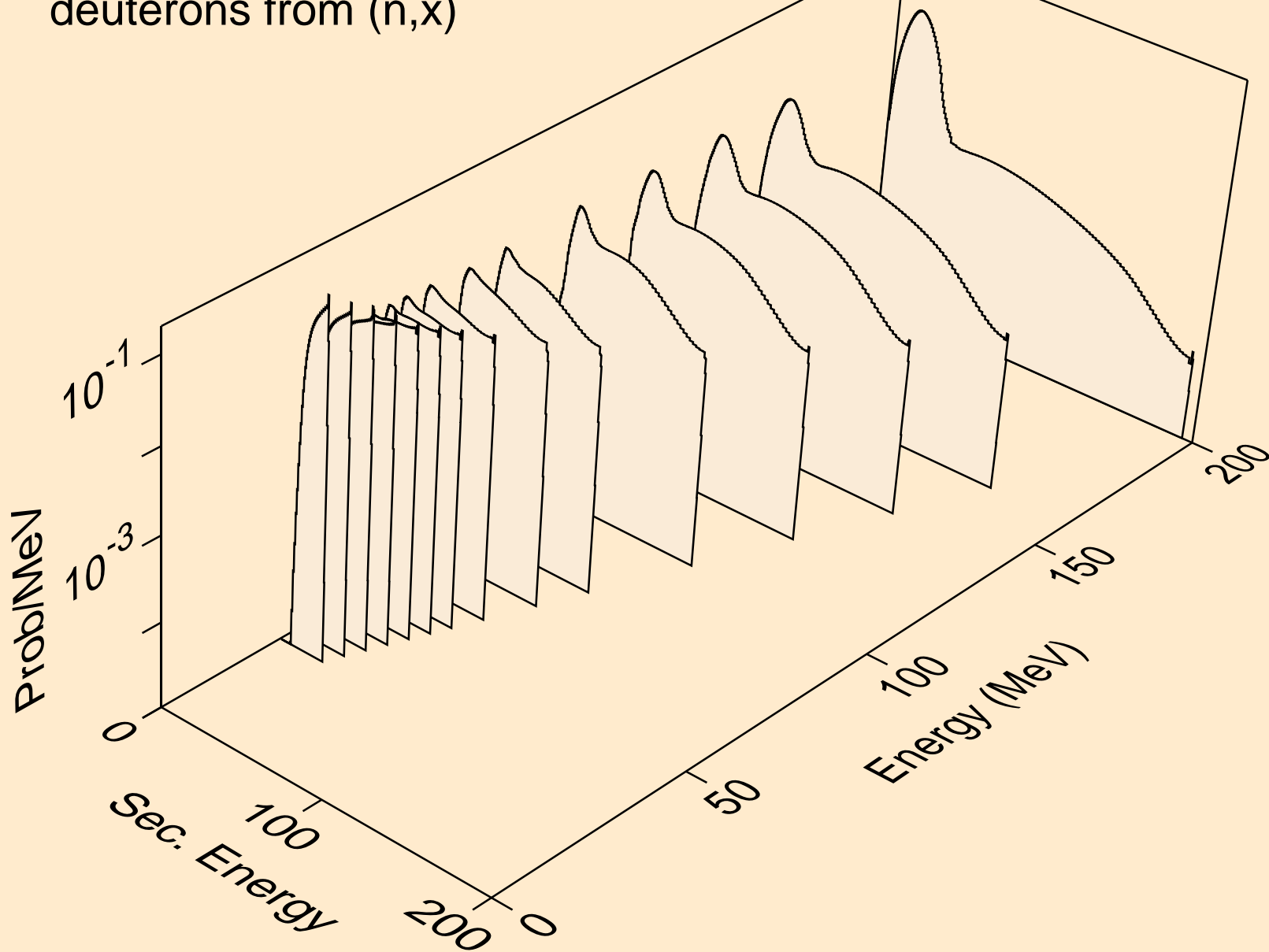
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protons from (n,p)



CF246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,pd)

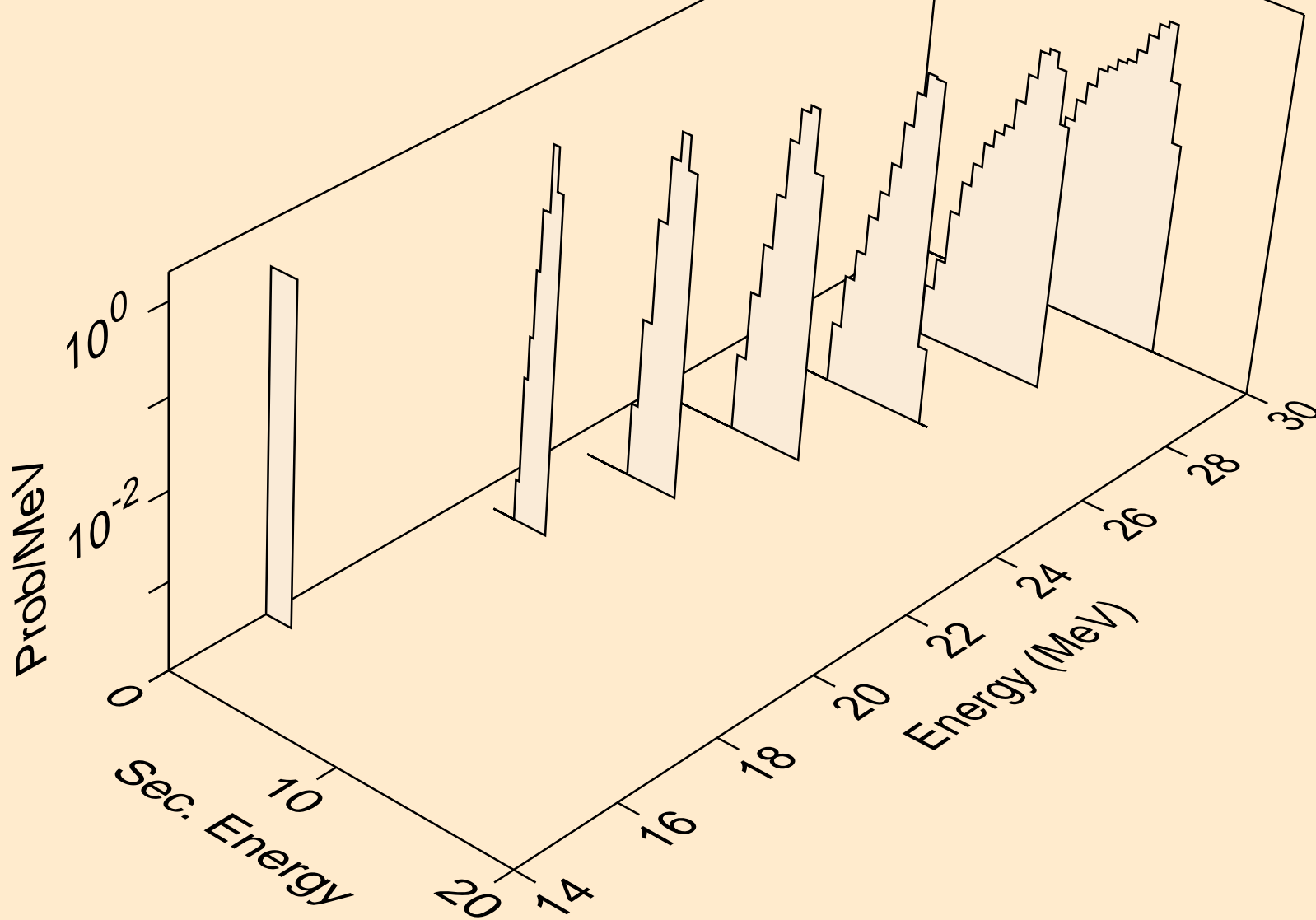


CF246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,x)

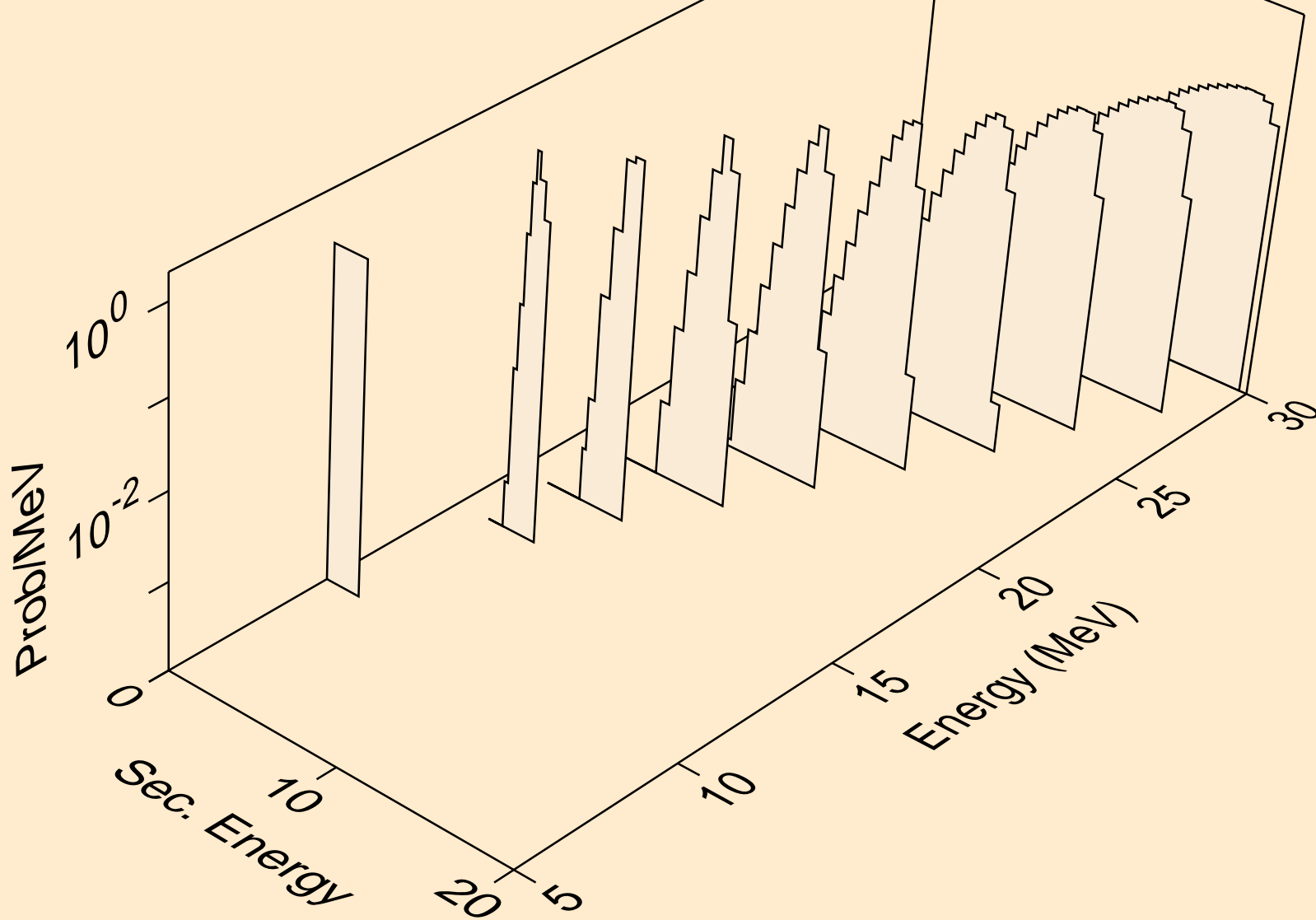




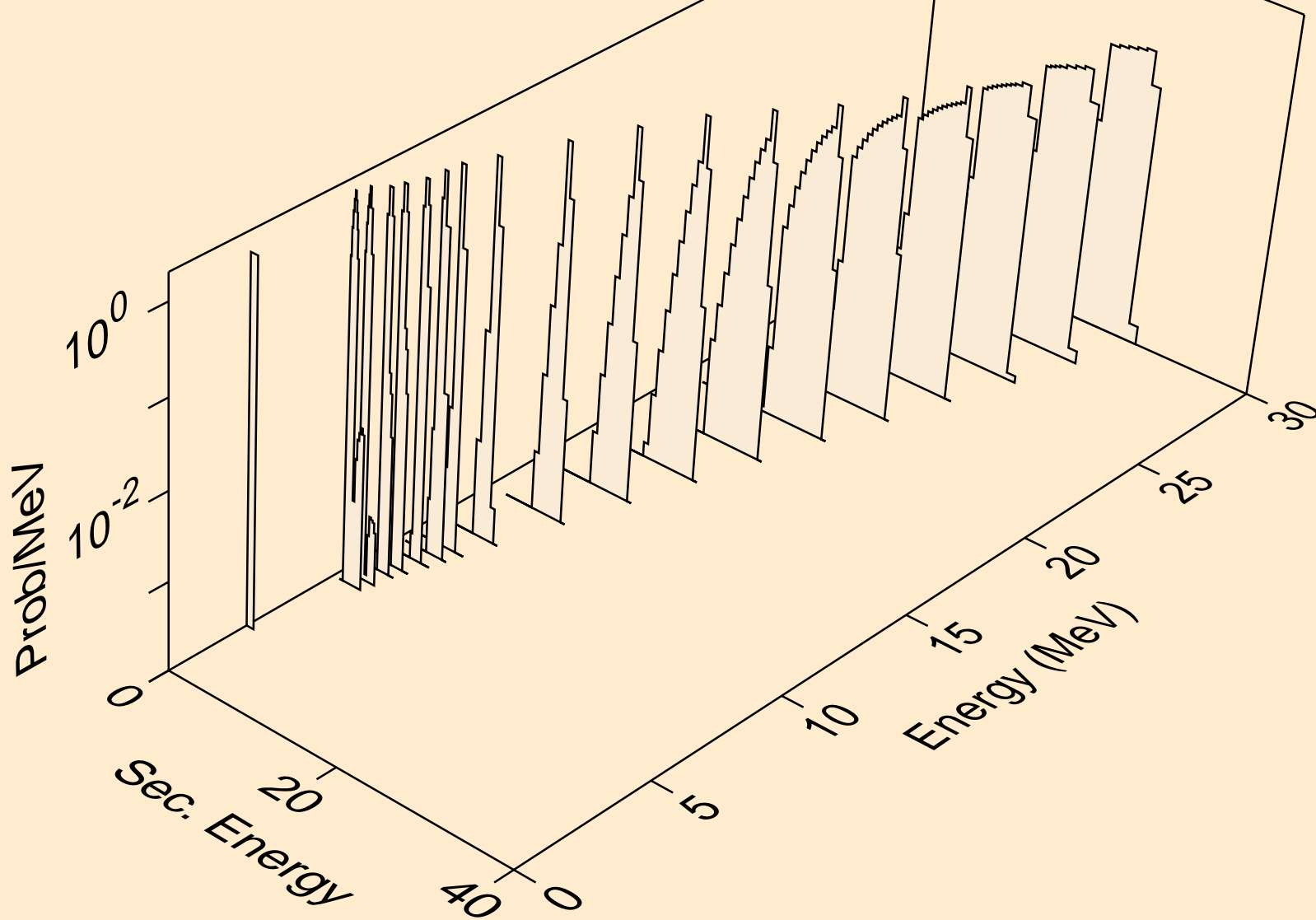
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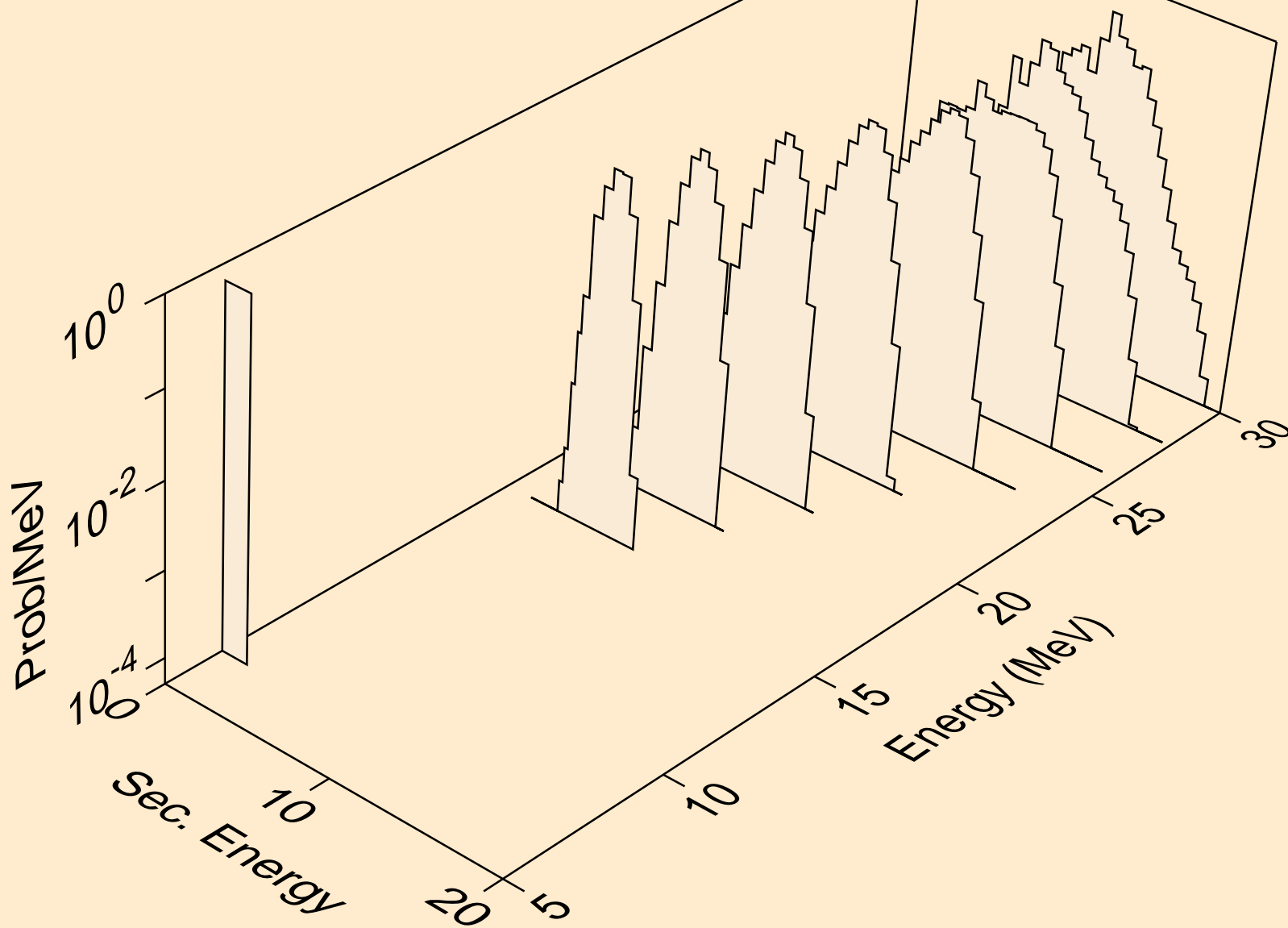
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deuterons from (n,n\*)d



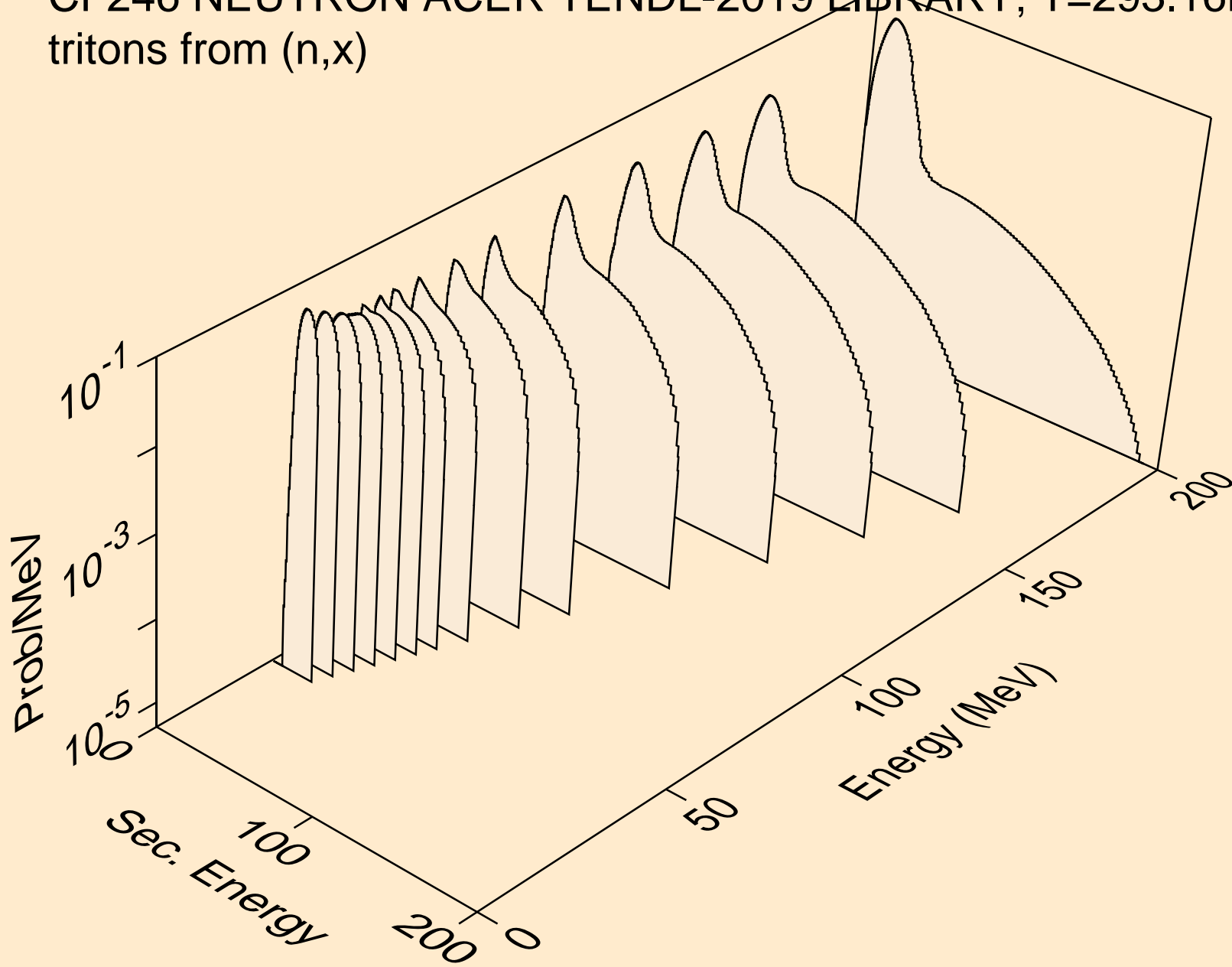
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deuterons from (n,d)



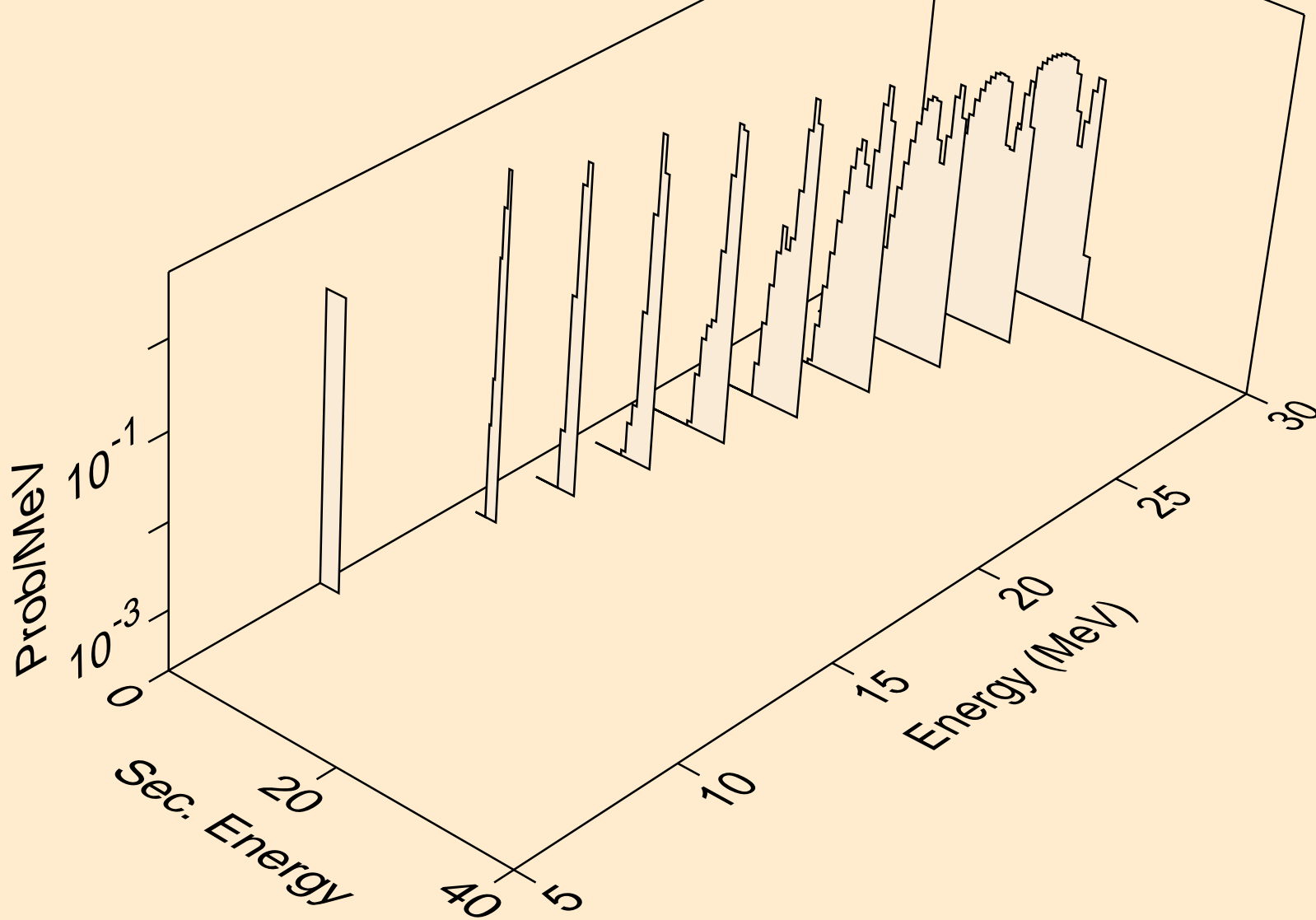
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deuterons from (n,pd)



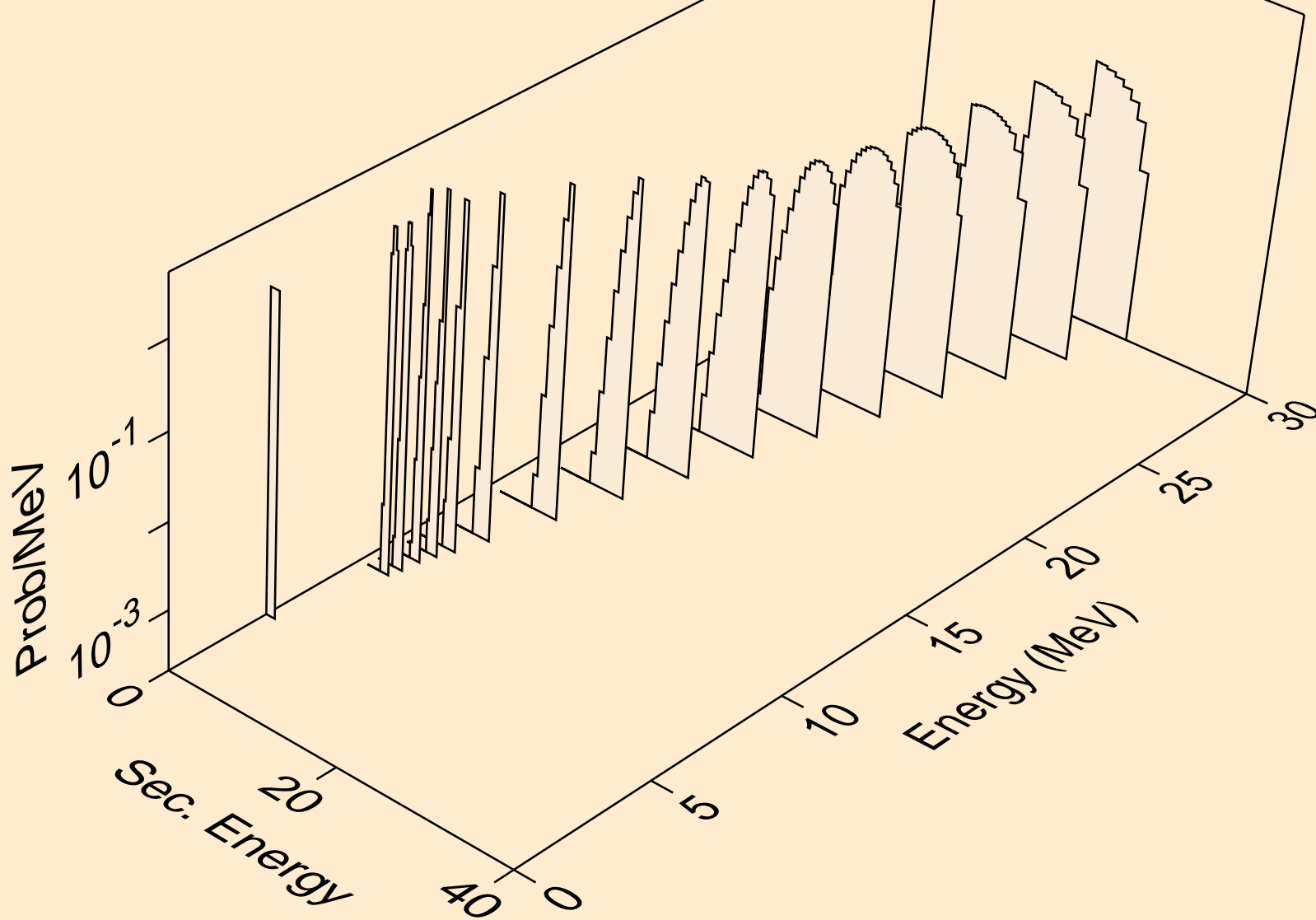
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tritons from (n,x)



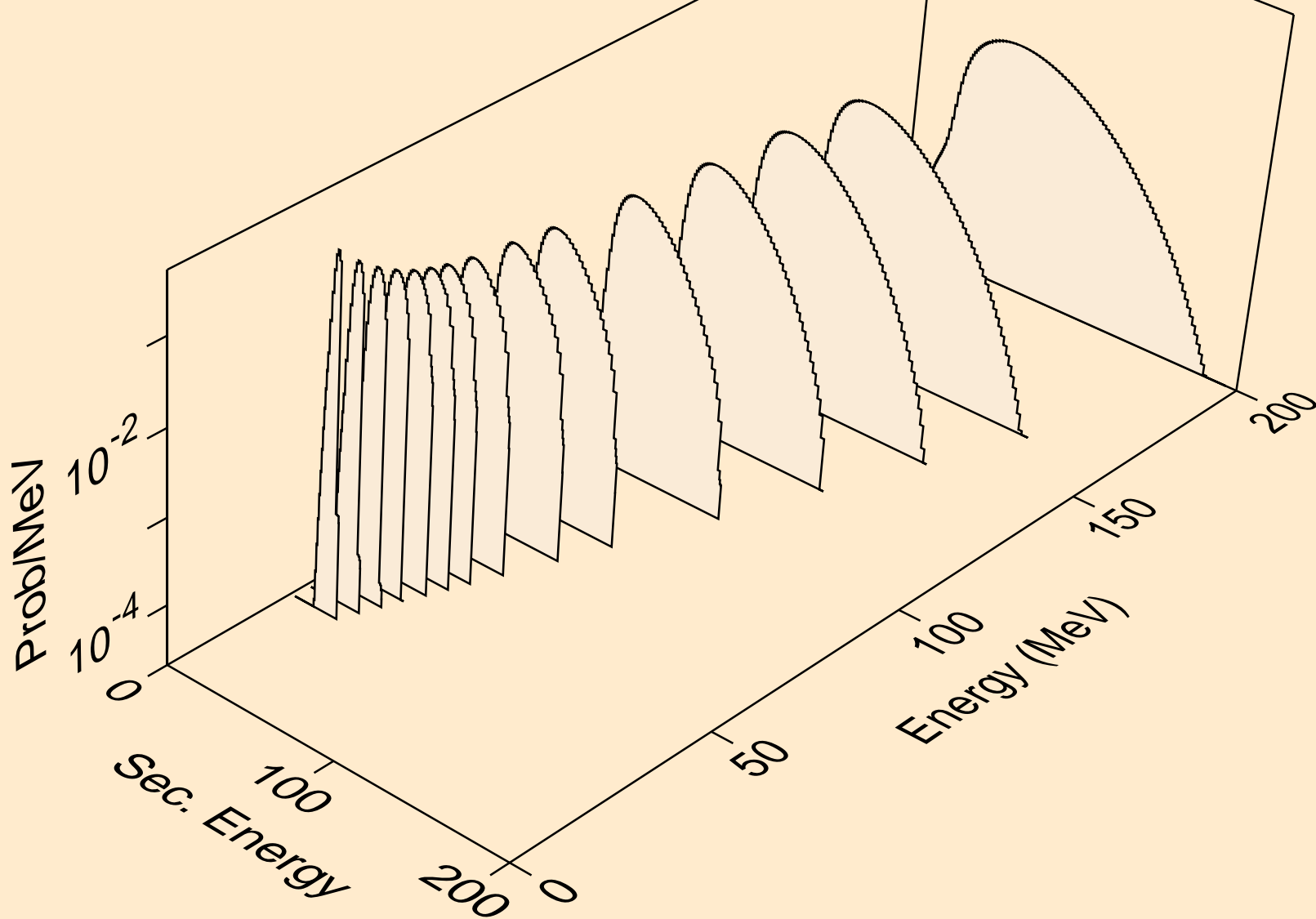
CF246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,n\*)t



CF246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,t)

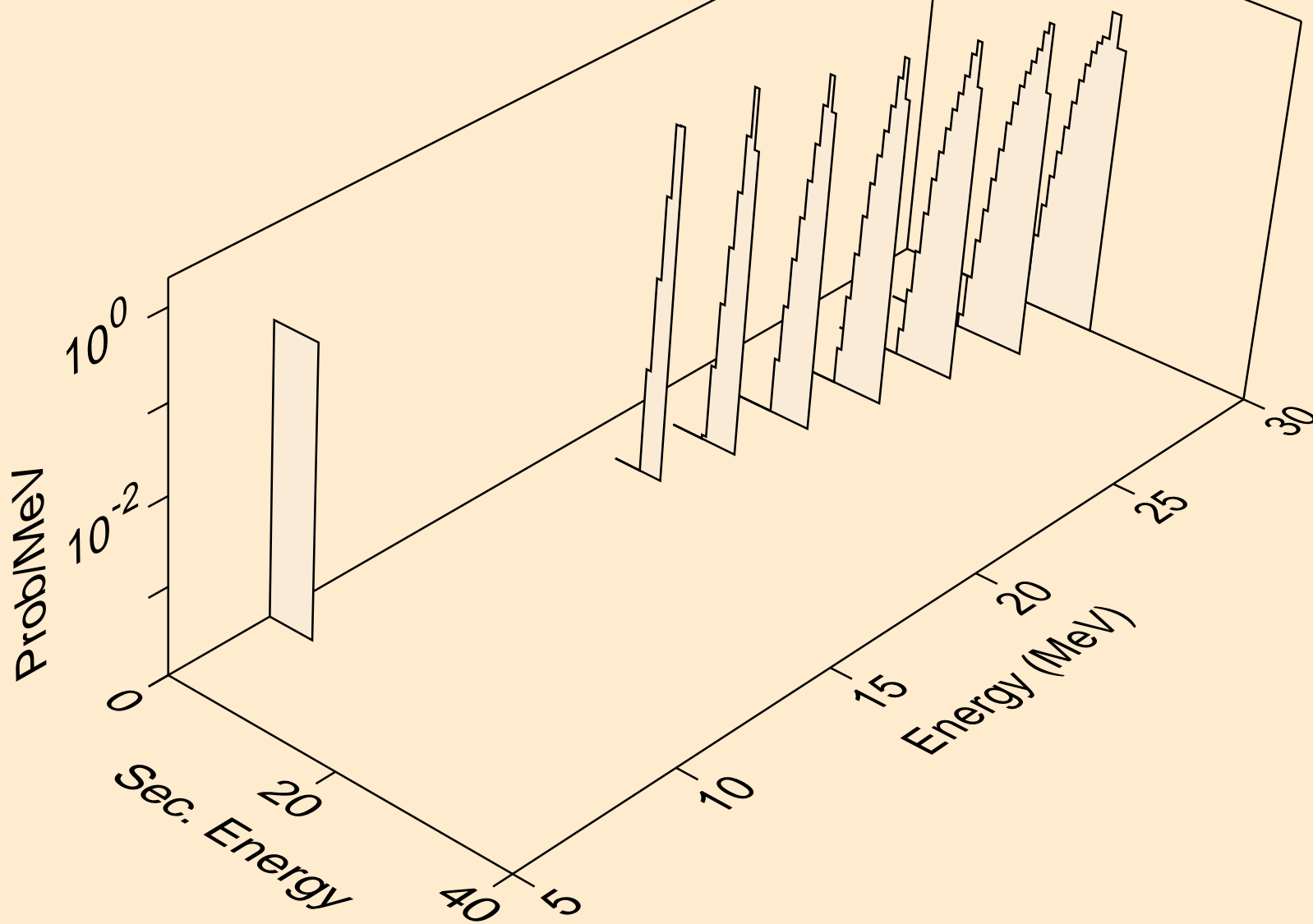


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he3s from (n,x)

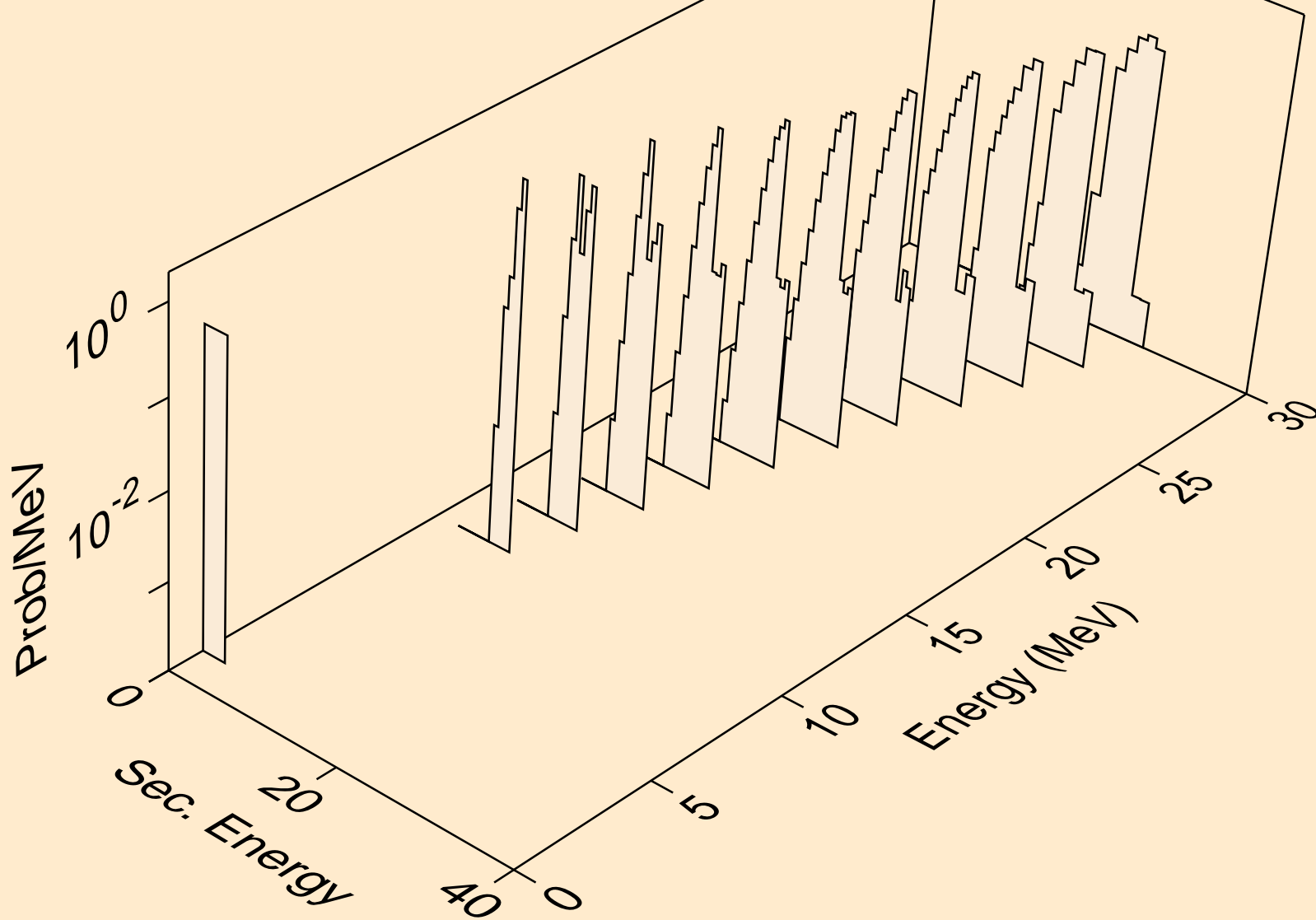




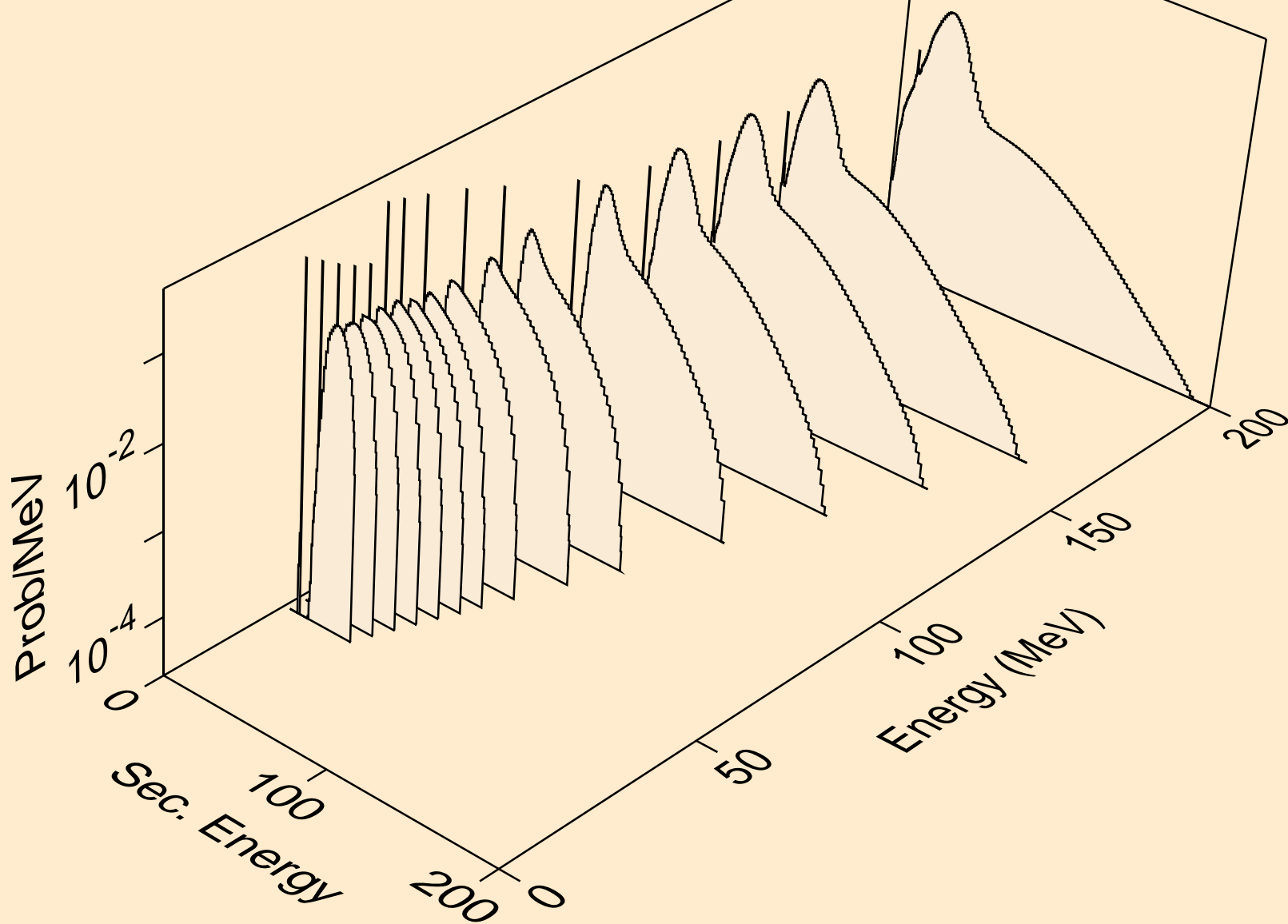
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he3s from (n,n\*)he3



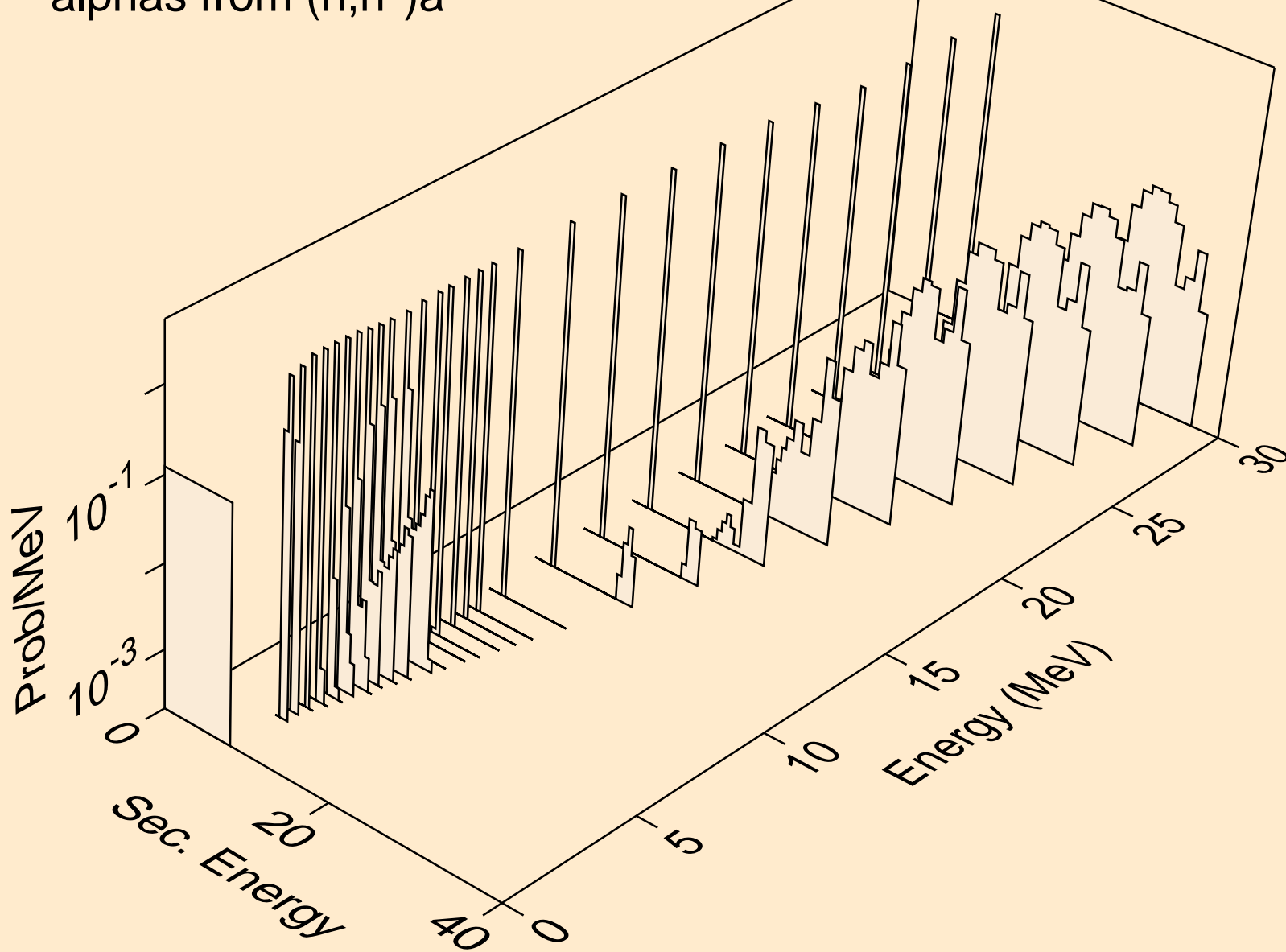
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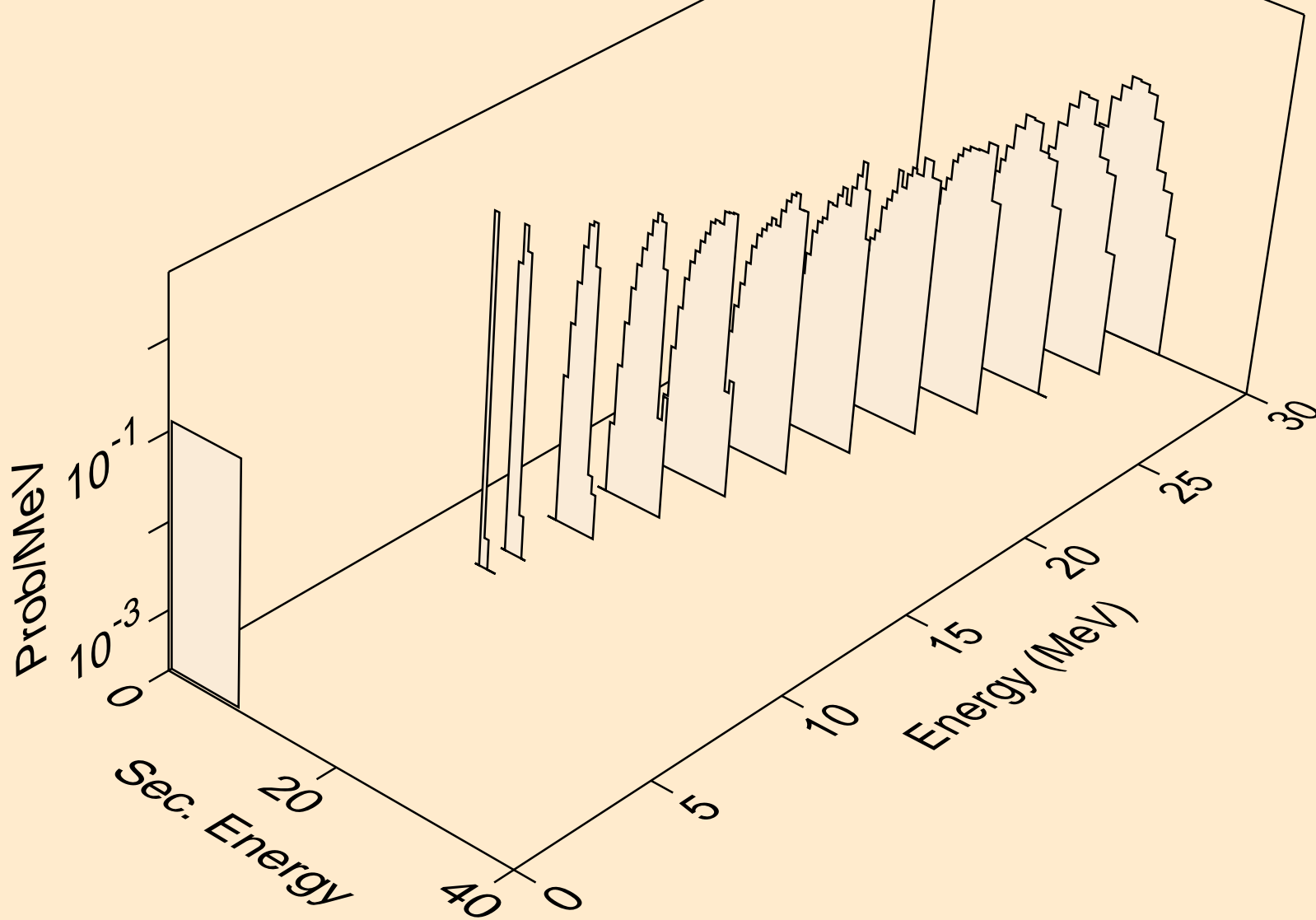
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alphas from (n,x)



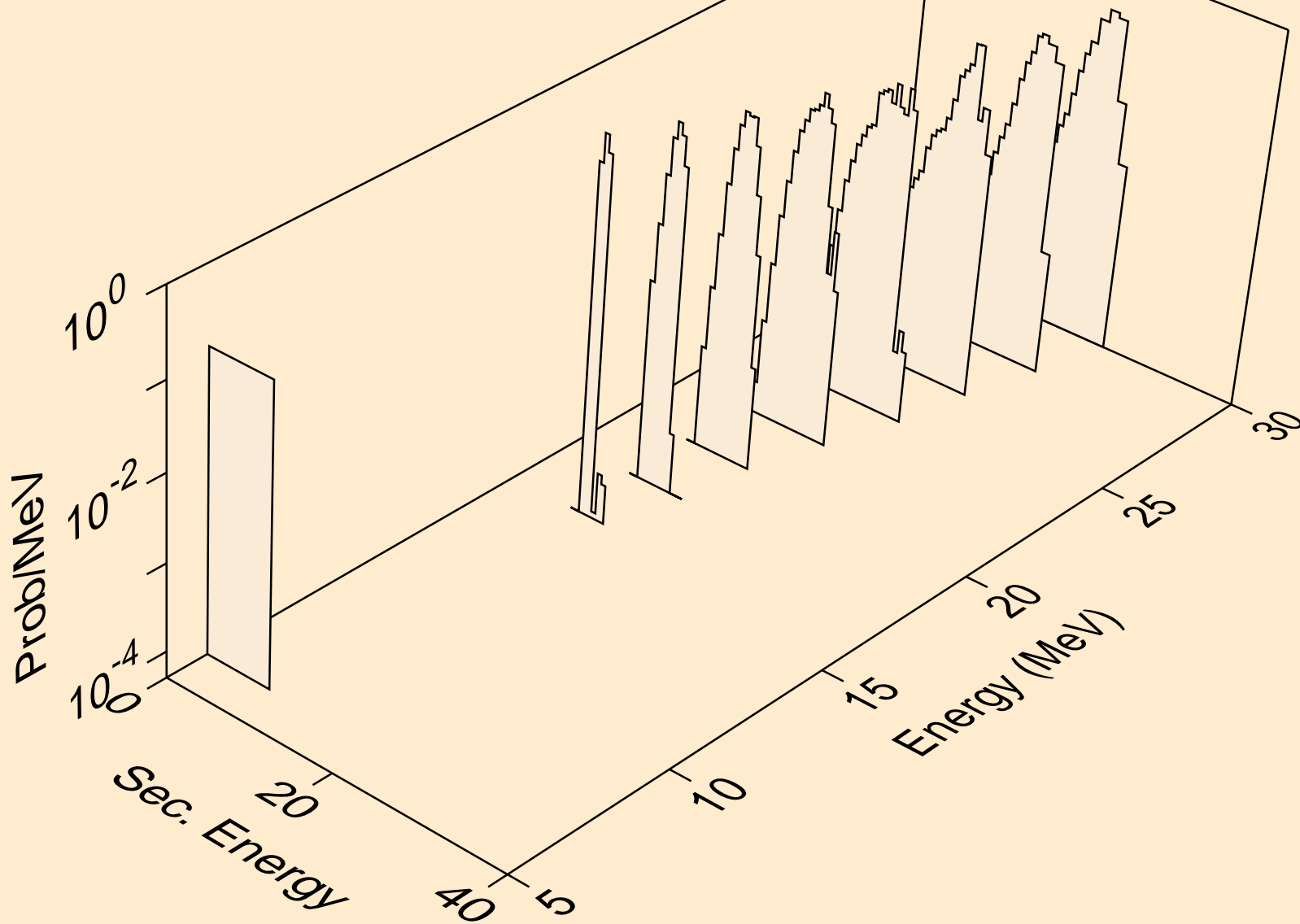
CF246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)a



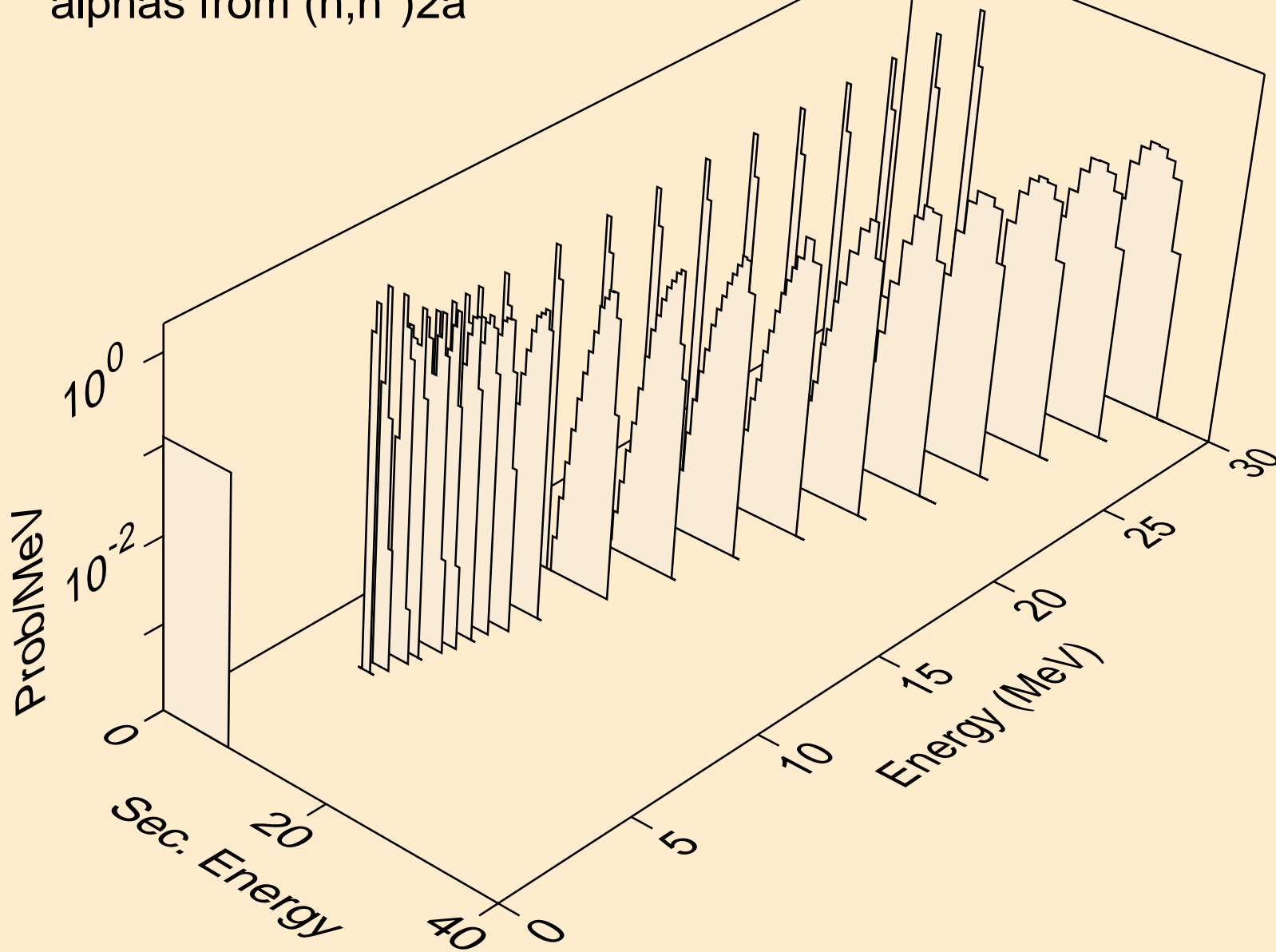
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alphas from (n,2n)a



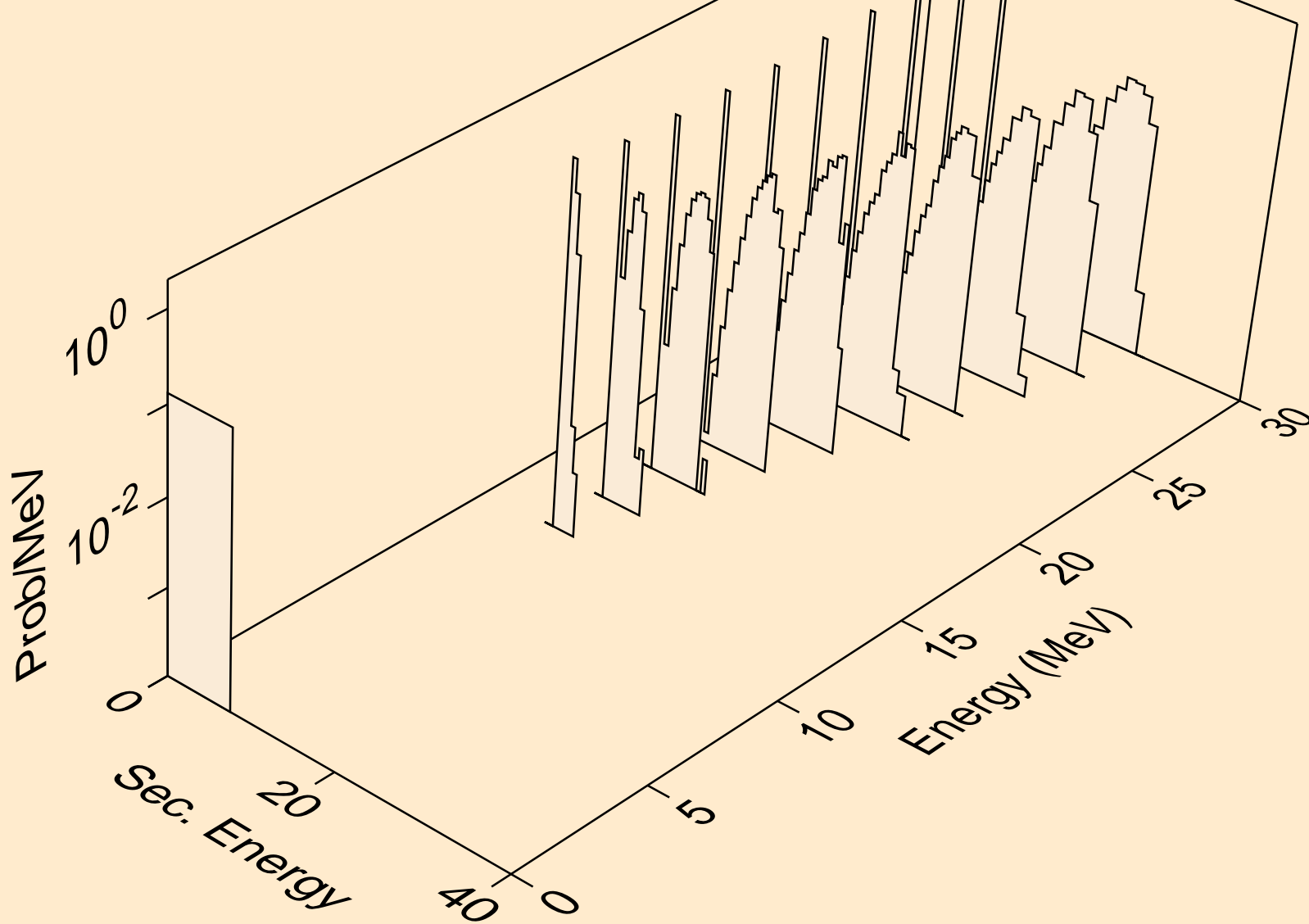
CF246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,3n)a



CF246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)2a

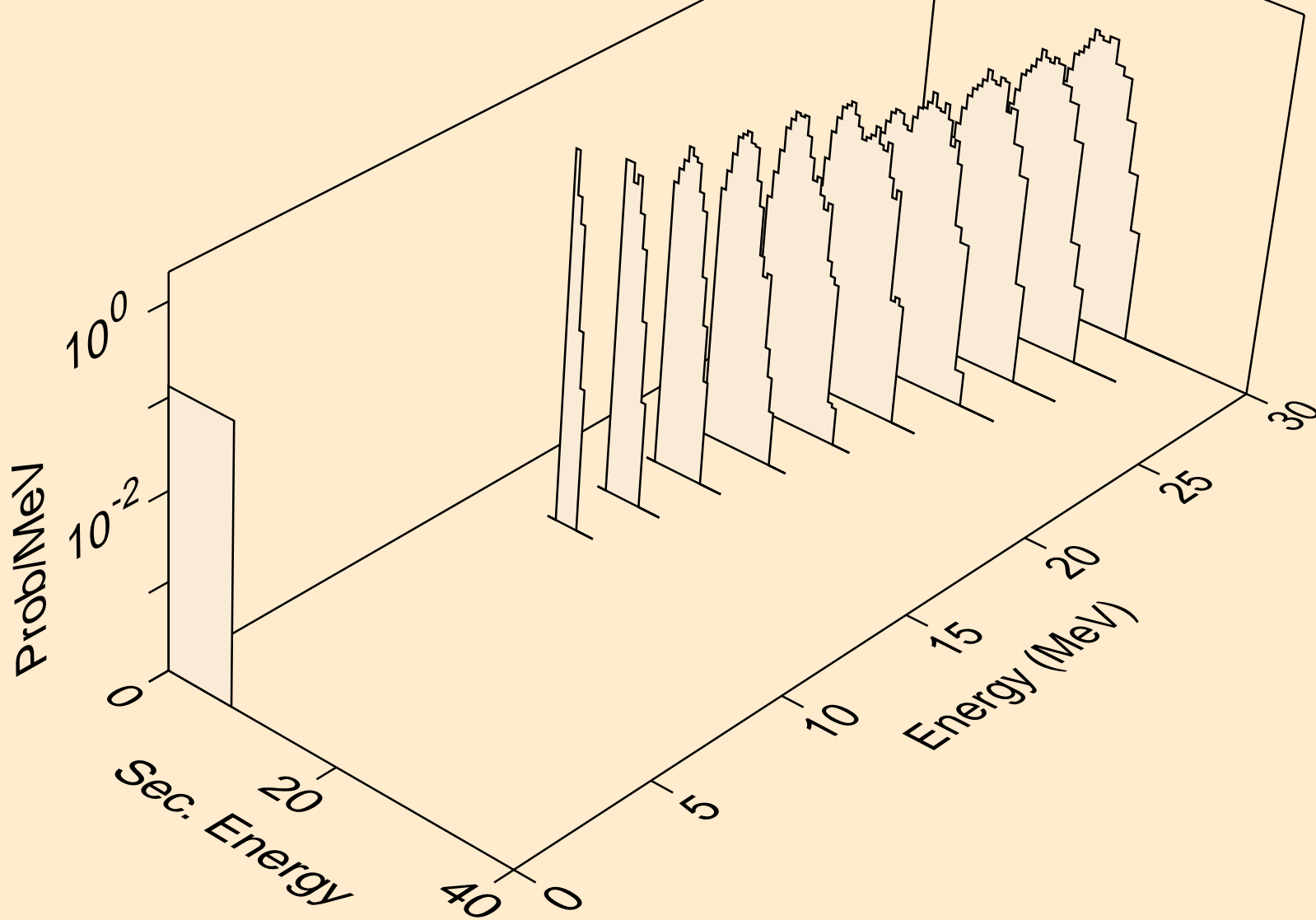


CF246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2n)2a

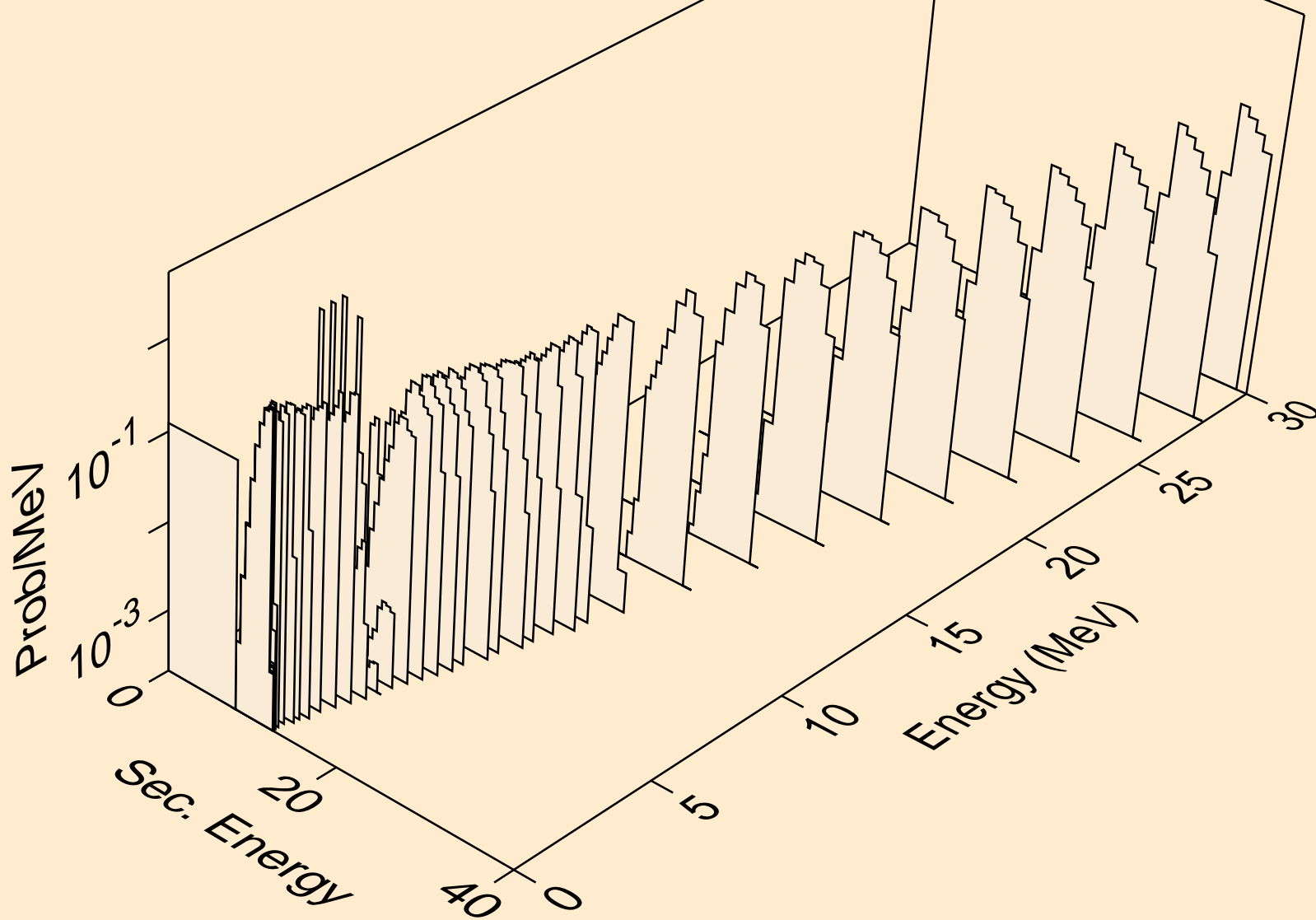




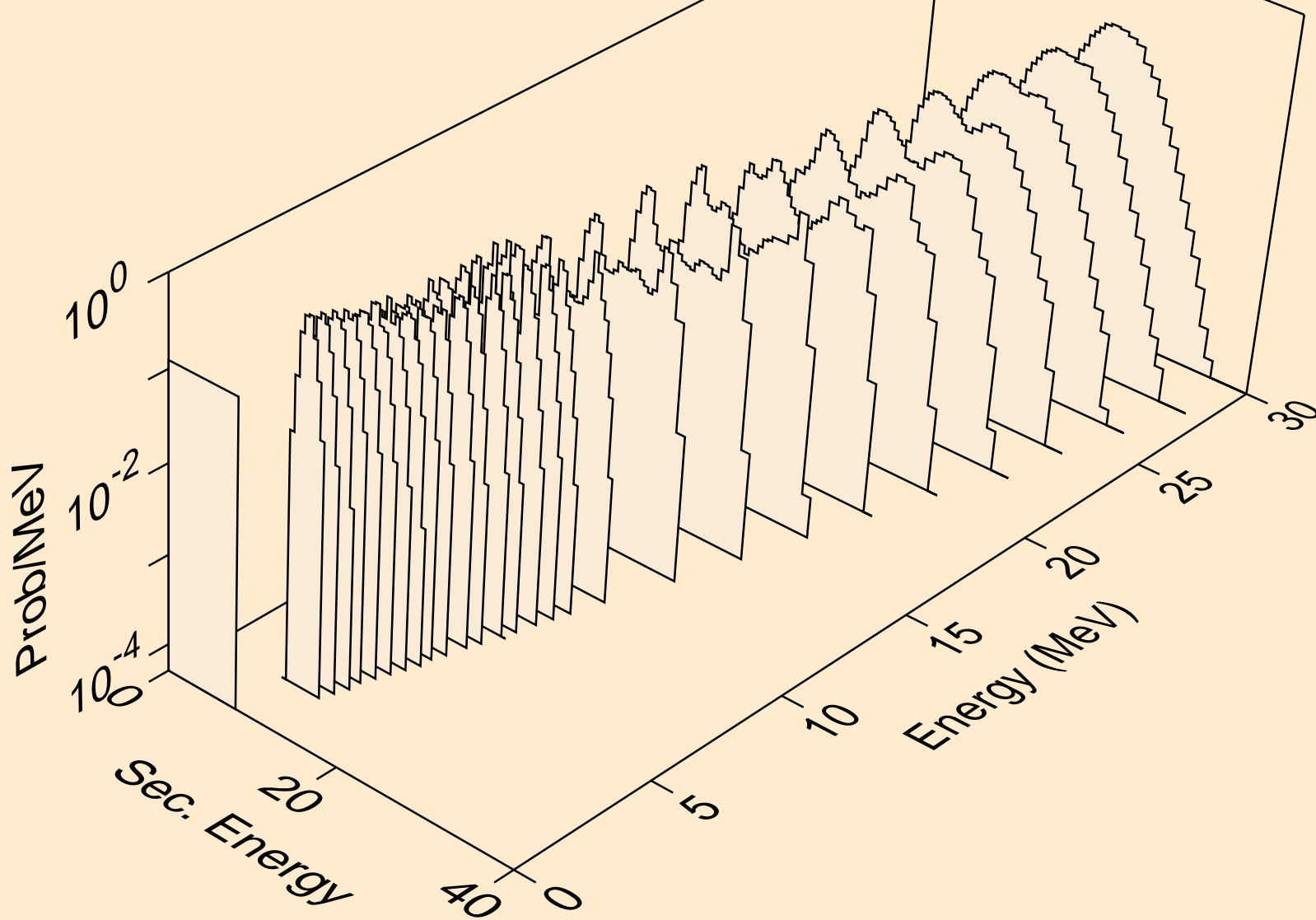
CF246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,npa)



CF246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,a)



CF246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2a)



CF246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,pa)

