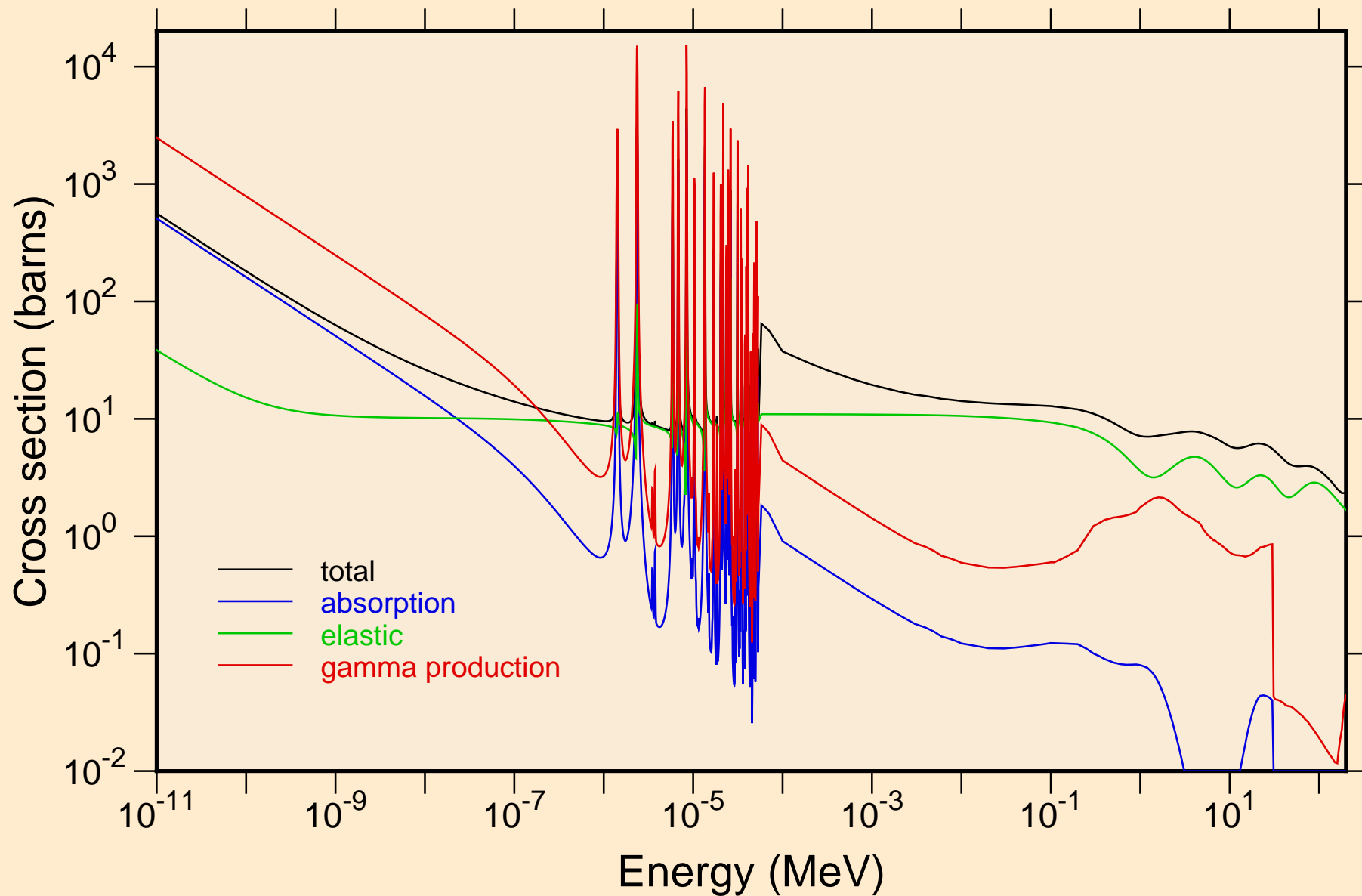
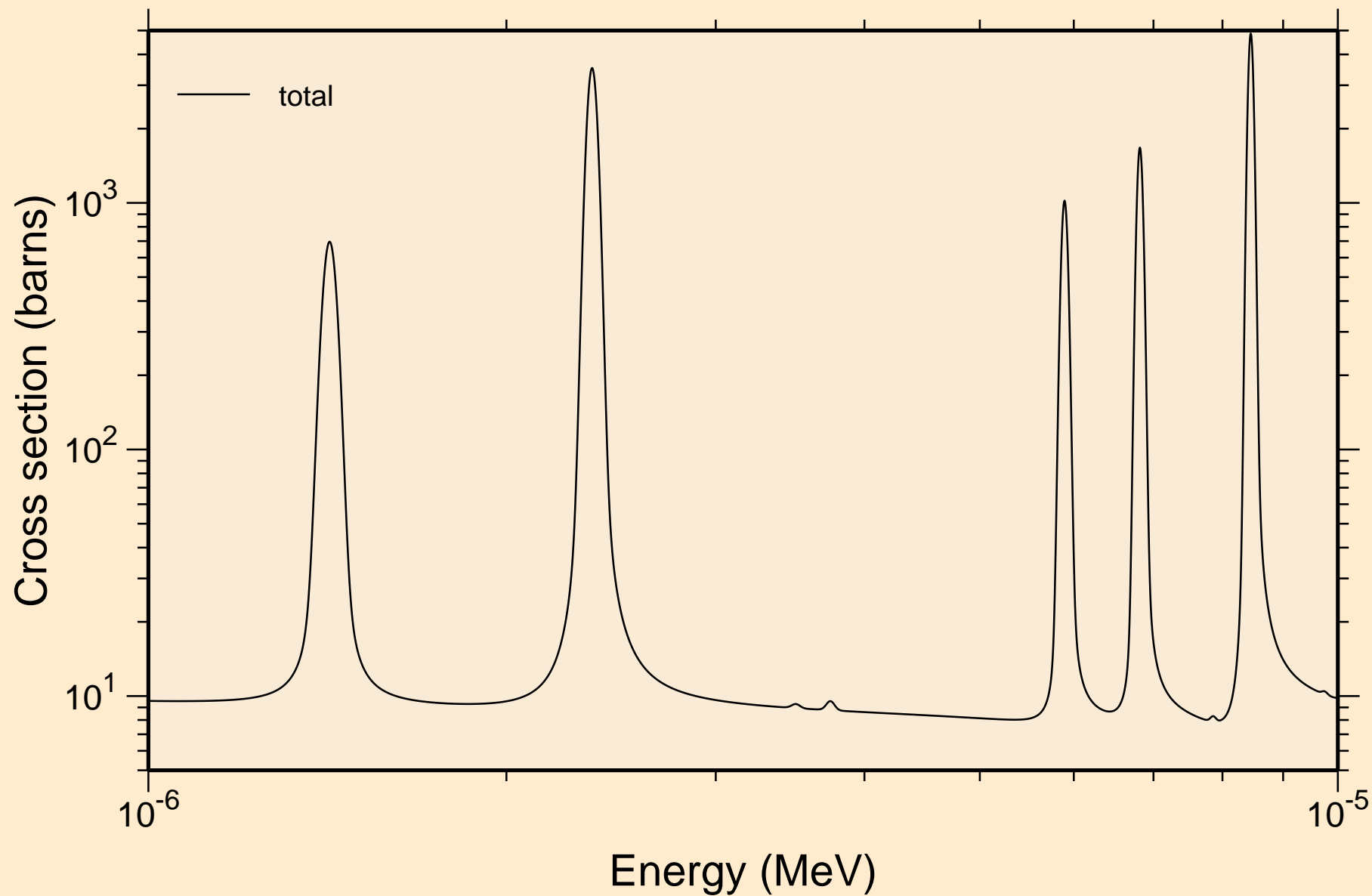


# CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

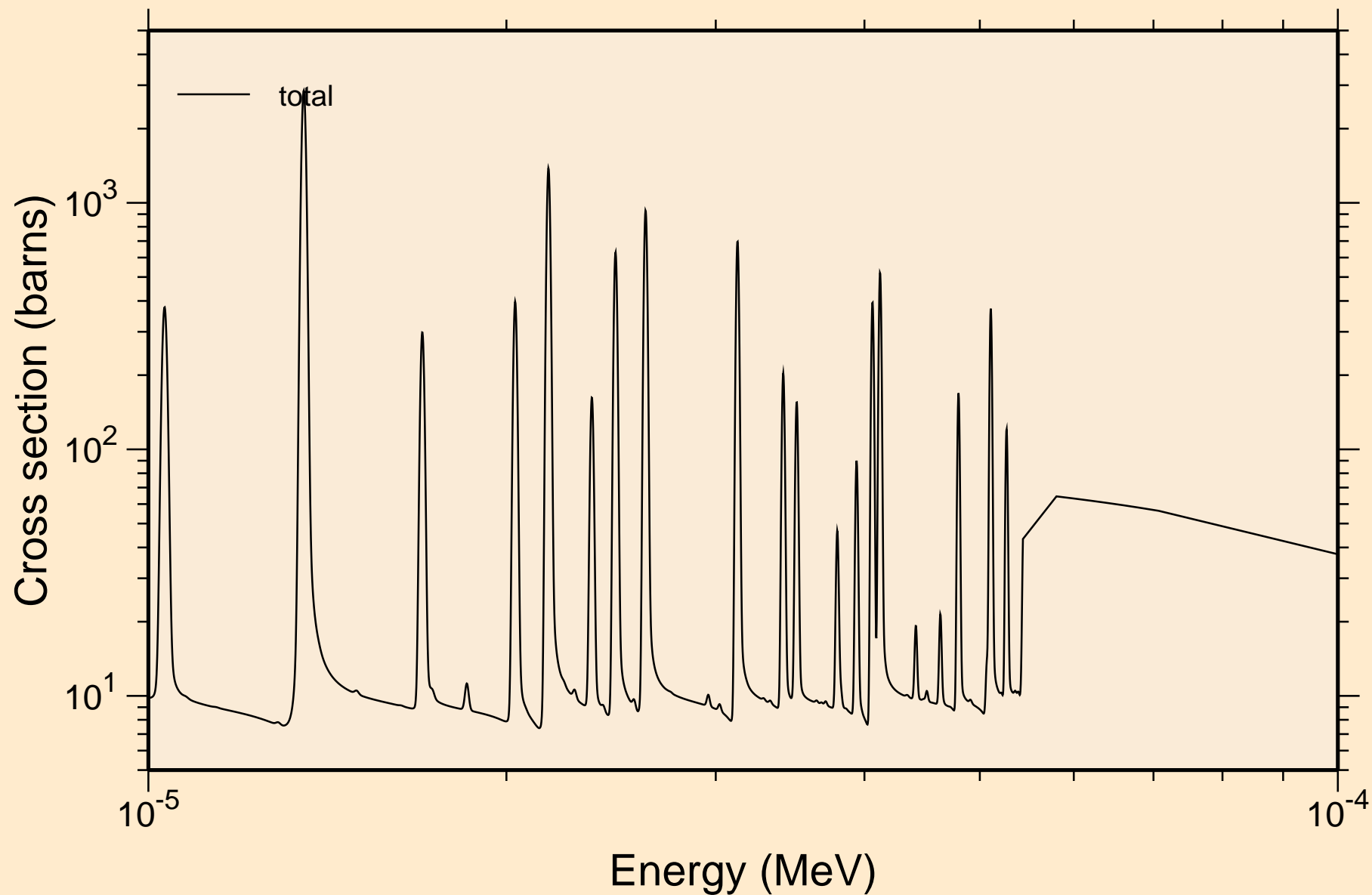
## Principal cross sections



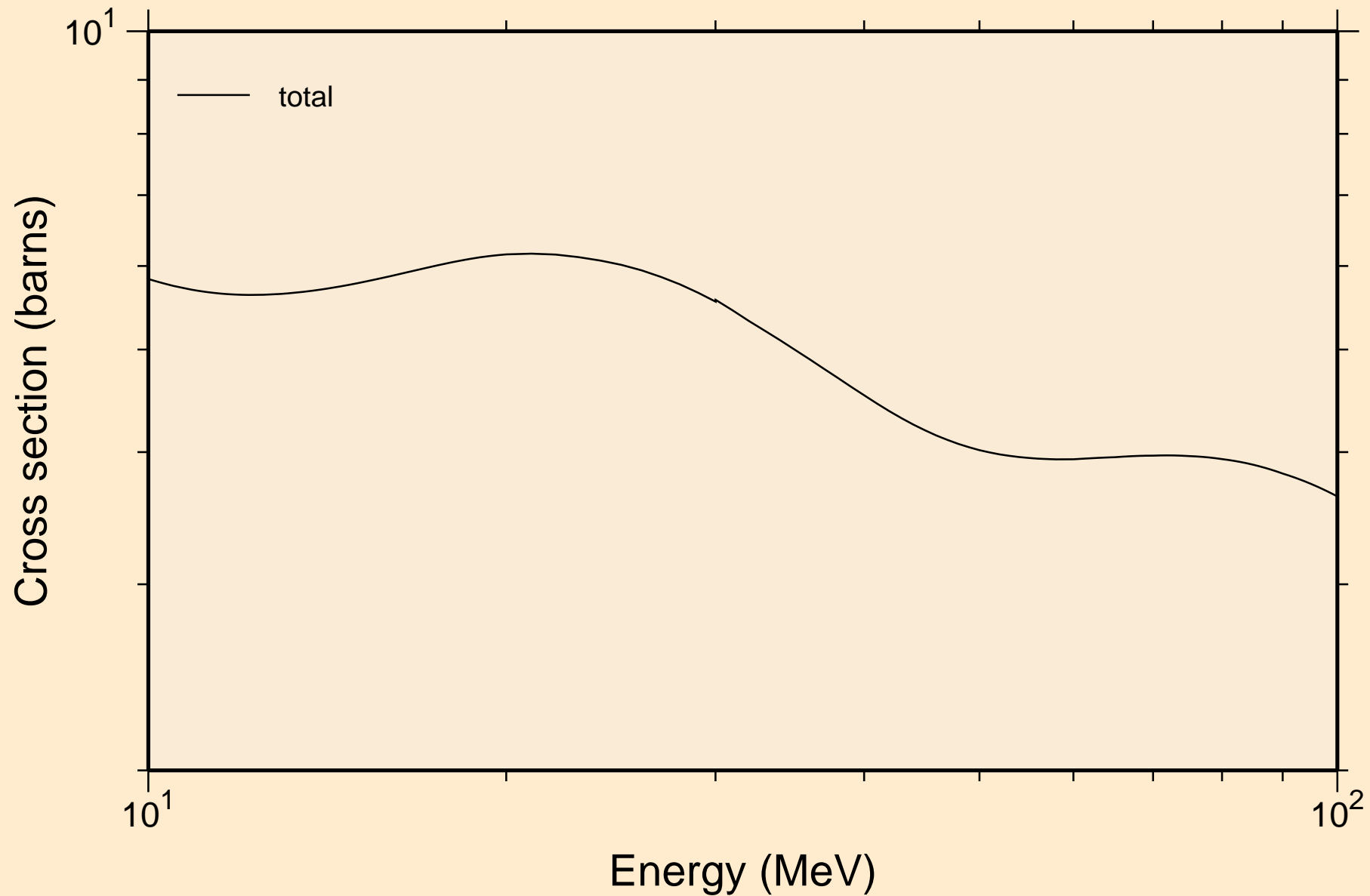
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resonance total cross section



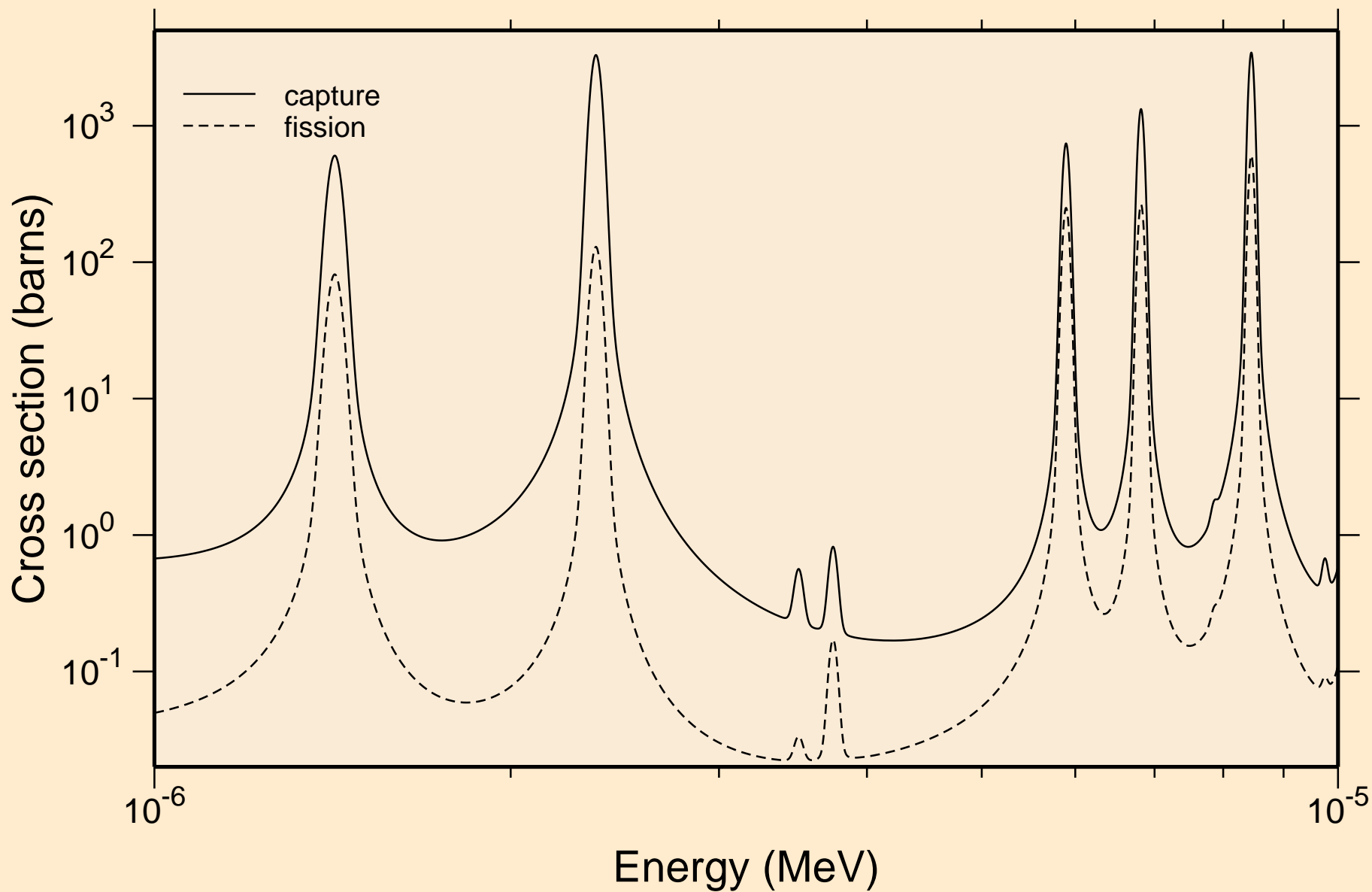
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resonance total cross section



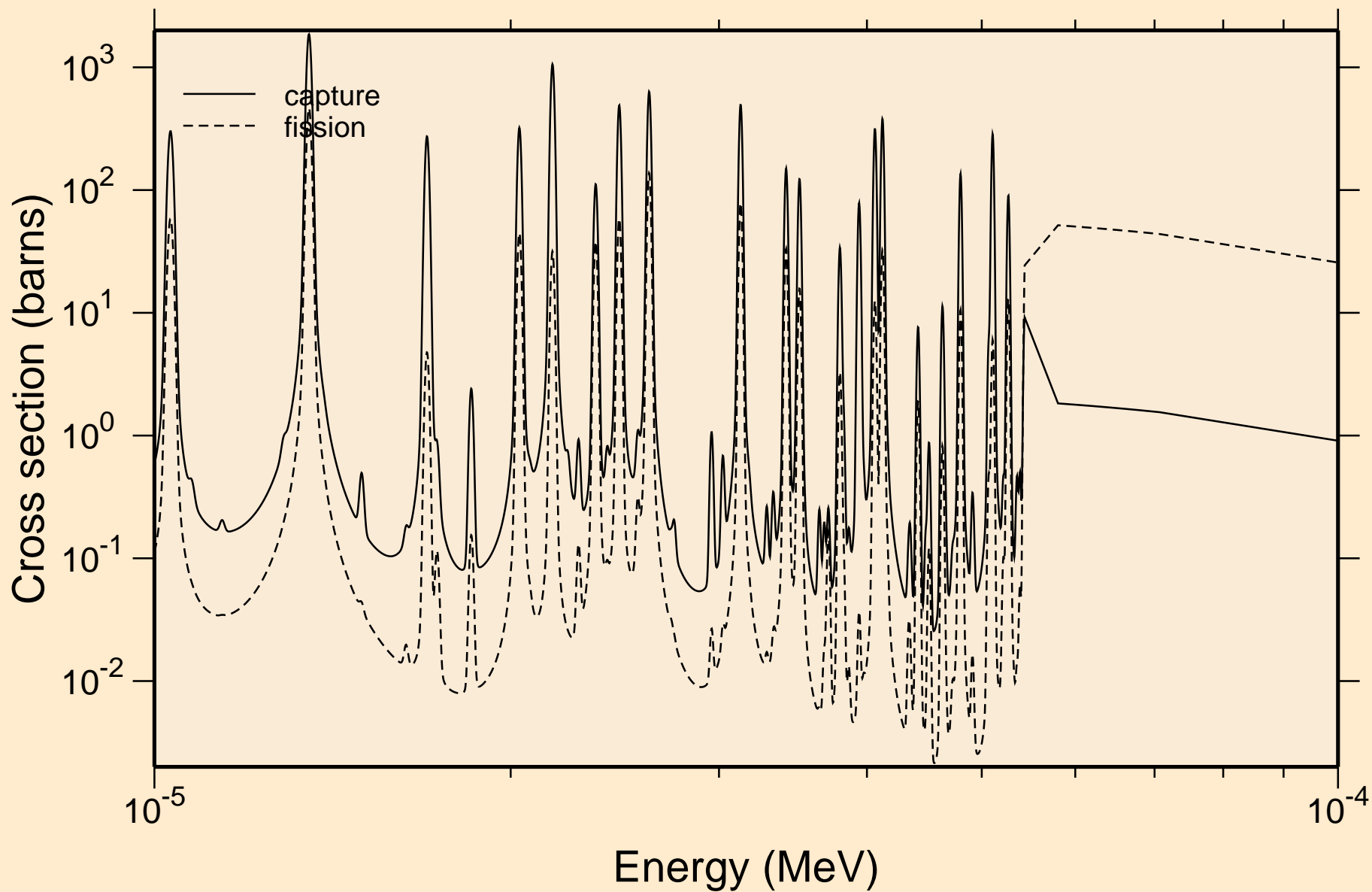
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resonance total cross section



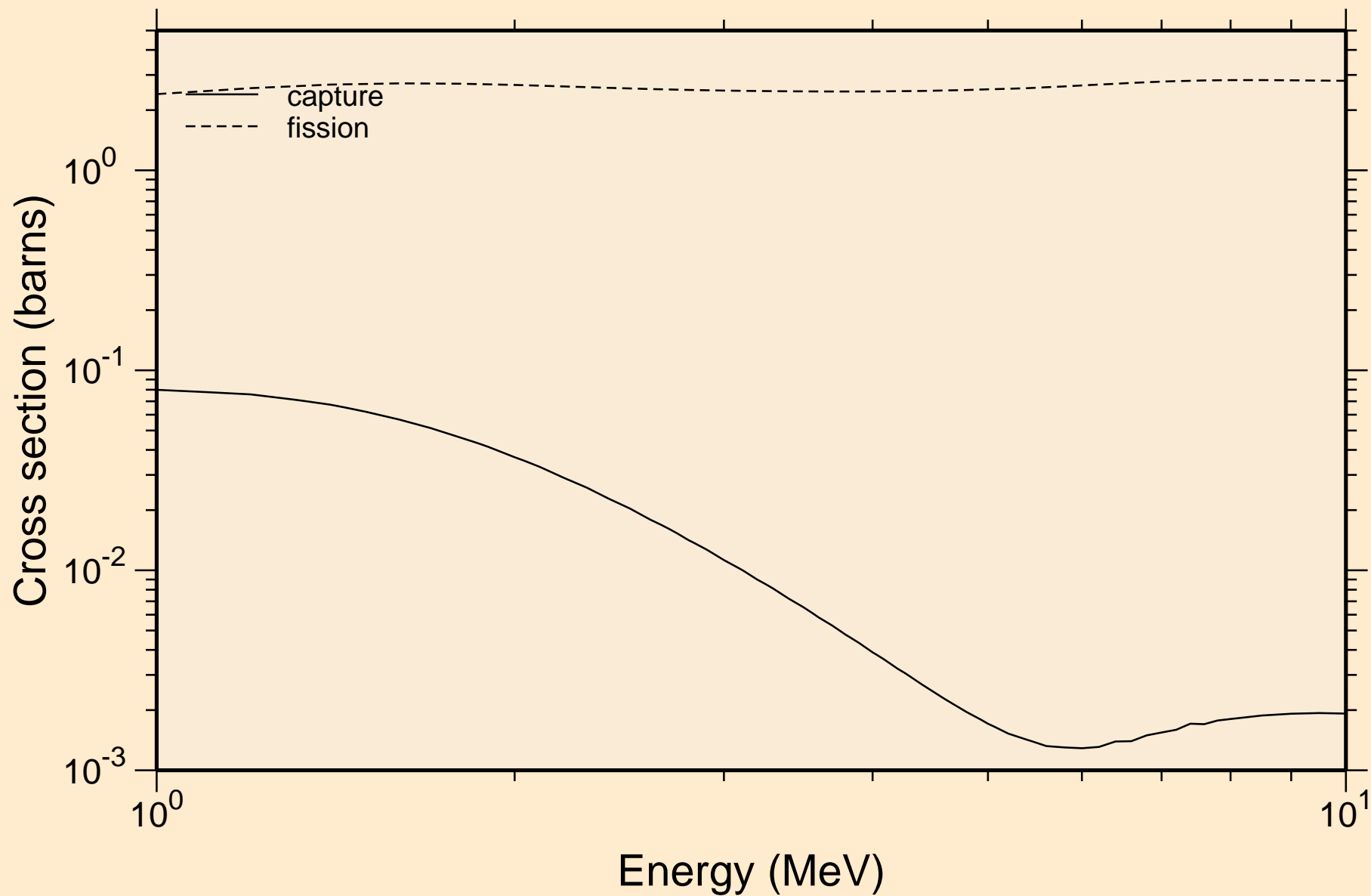
CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



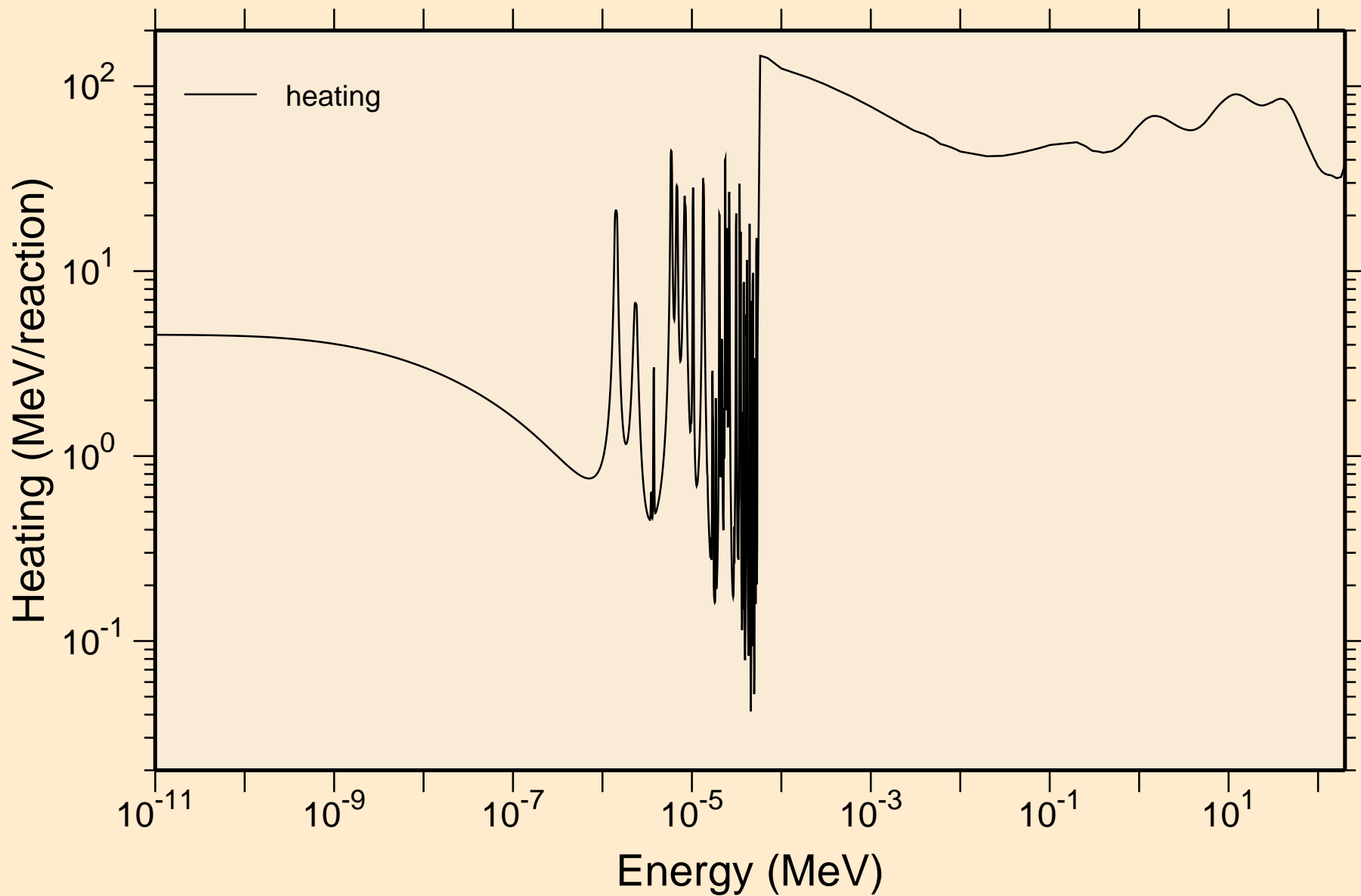
CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections

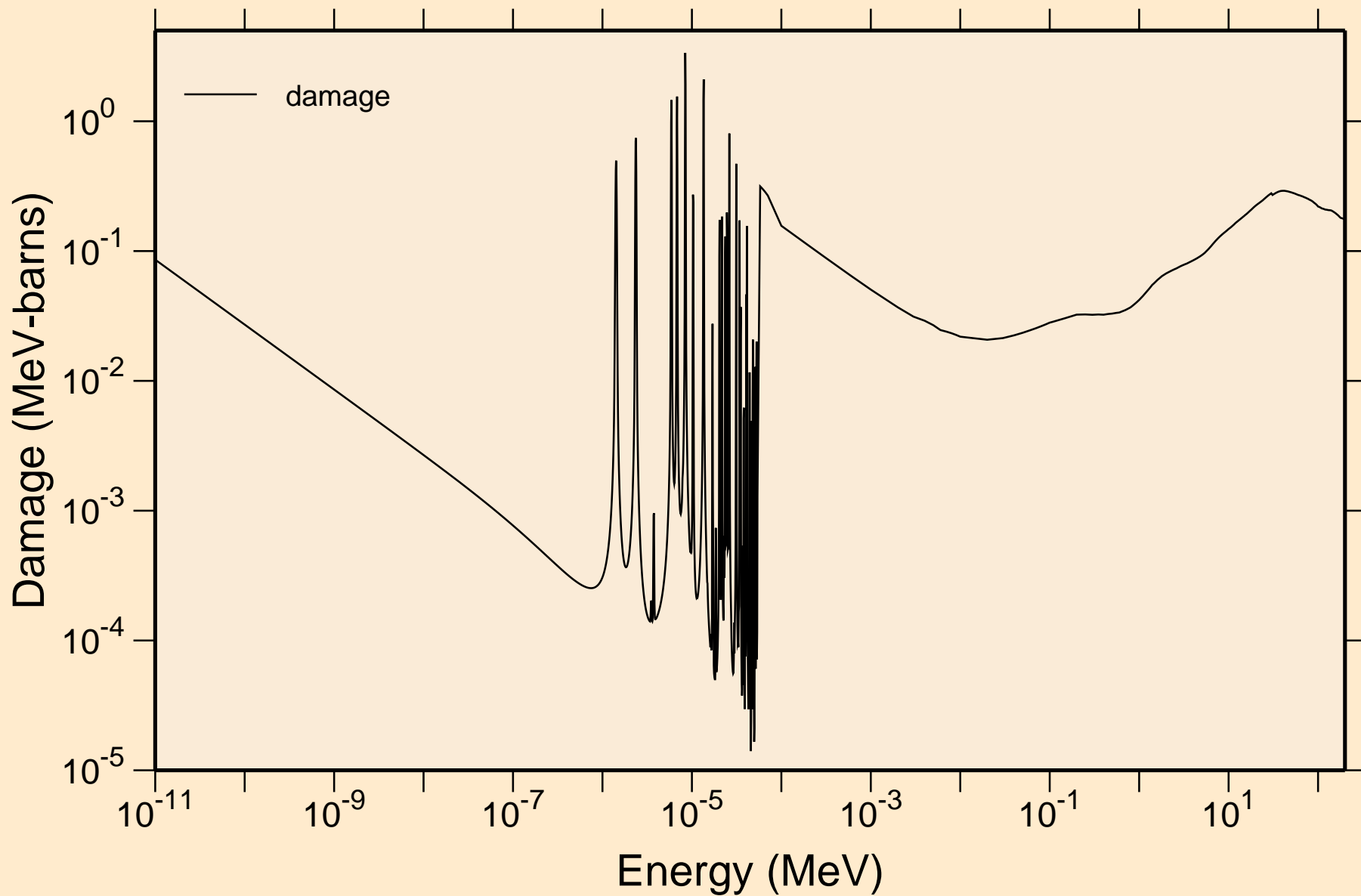


CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating

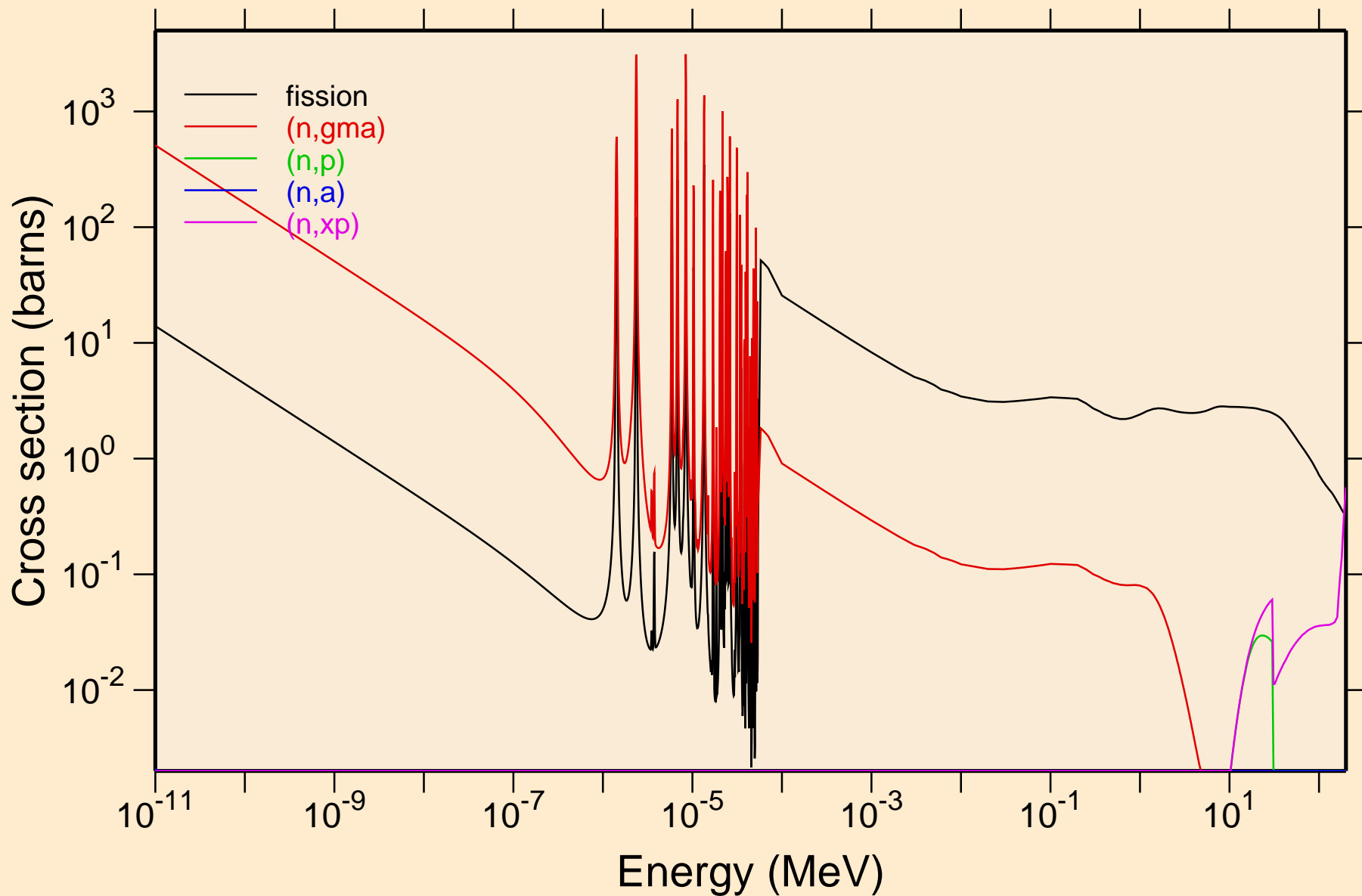




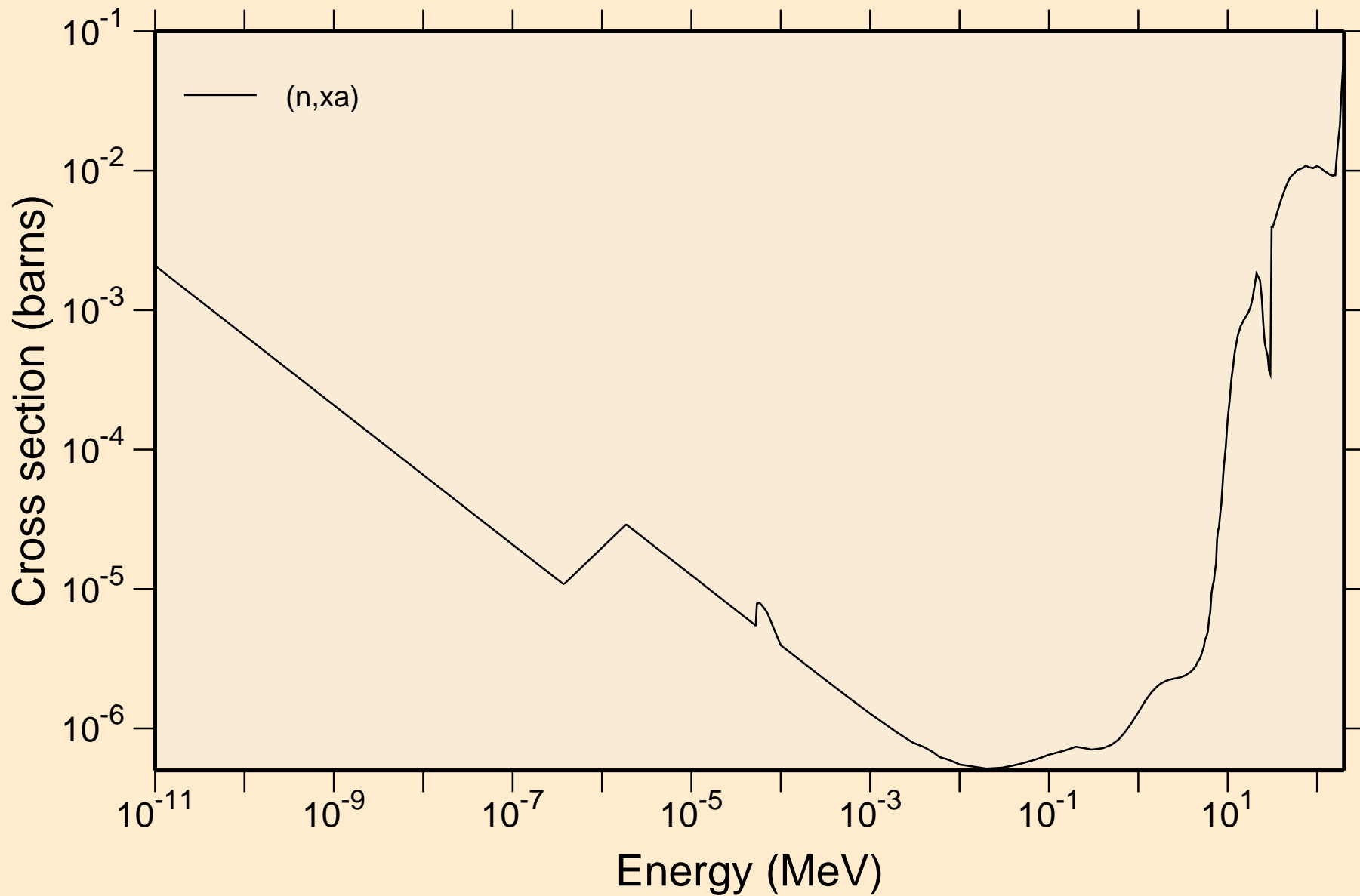
CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Damage



CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions

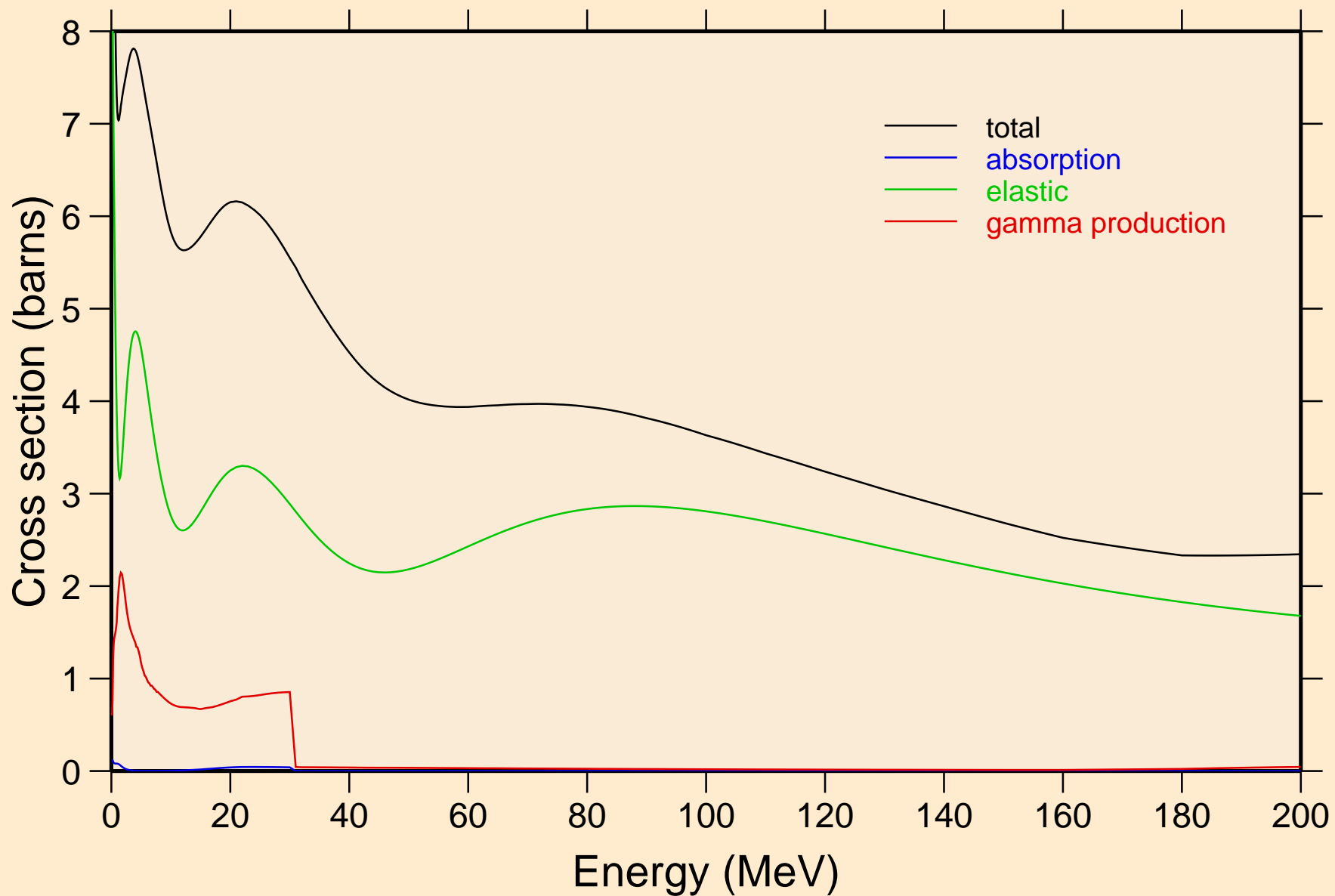


CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions

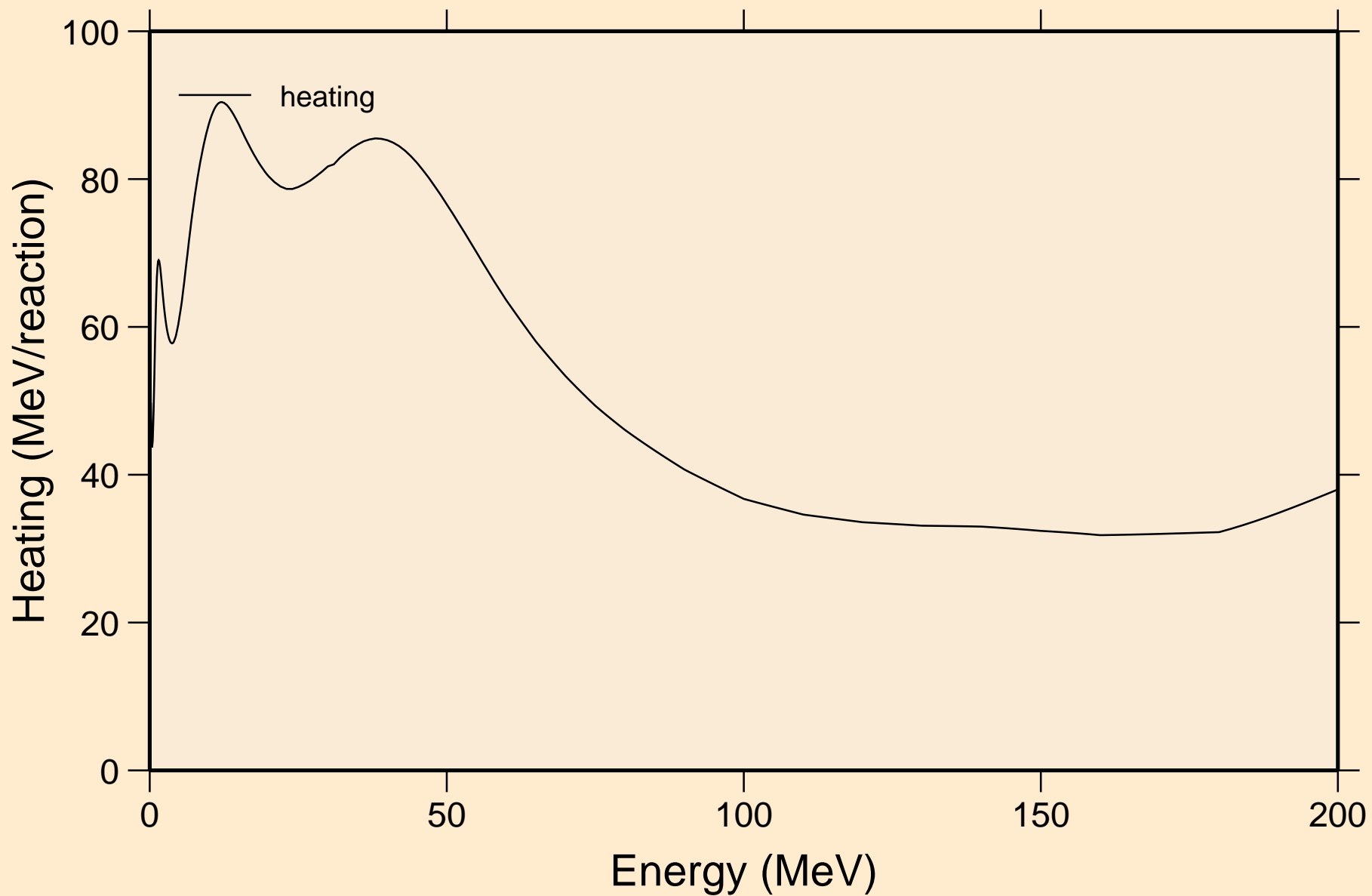


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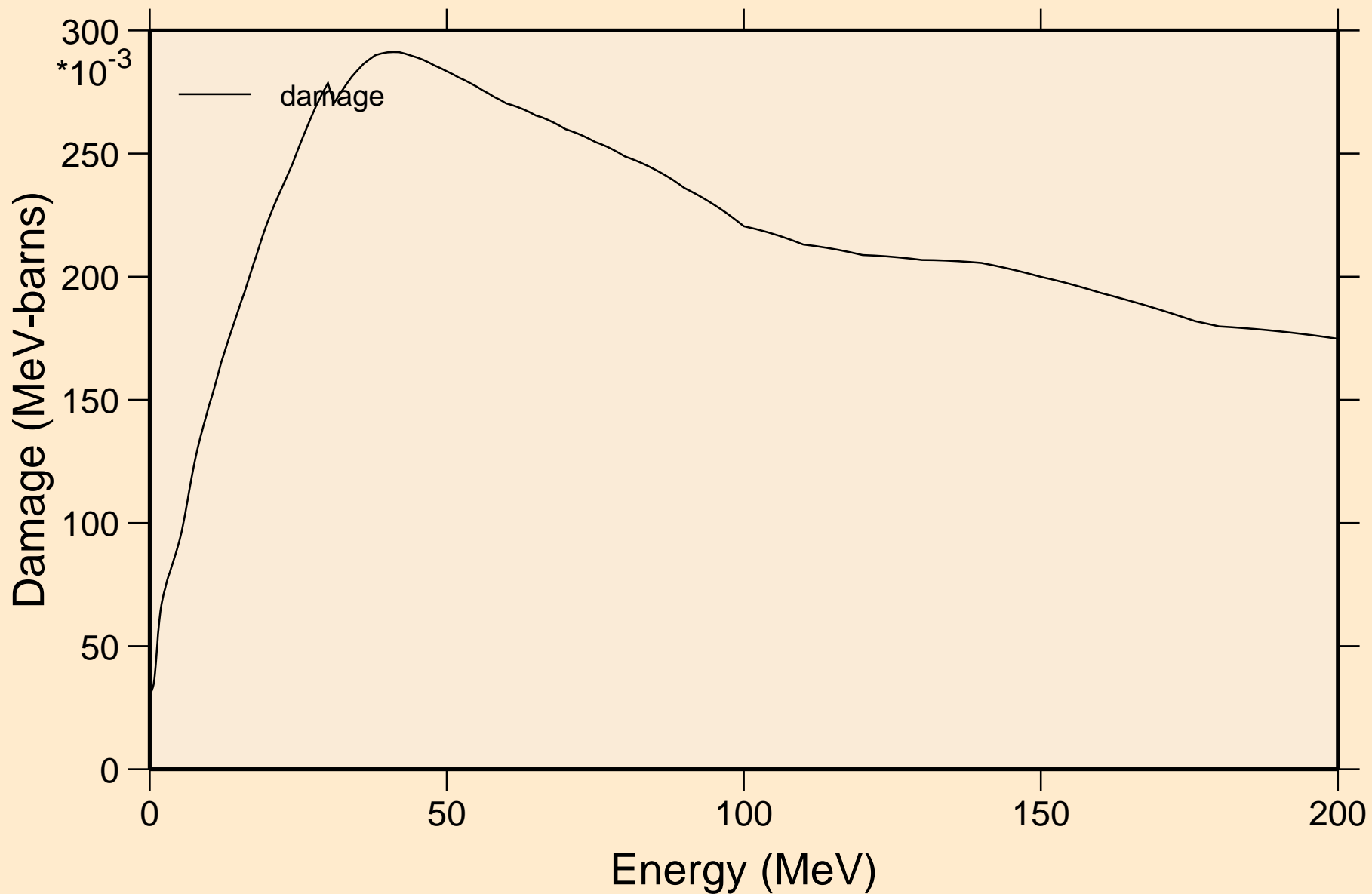
## Principal cross sections



CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating

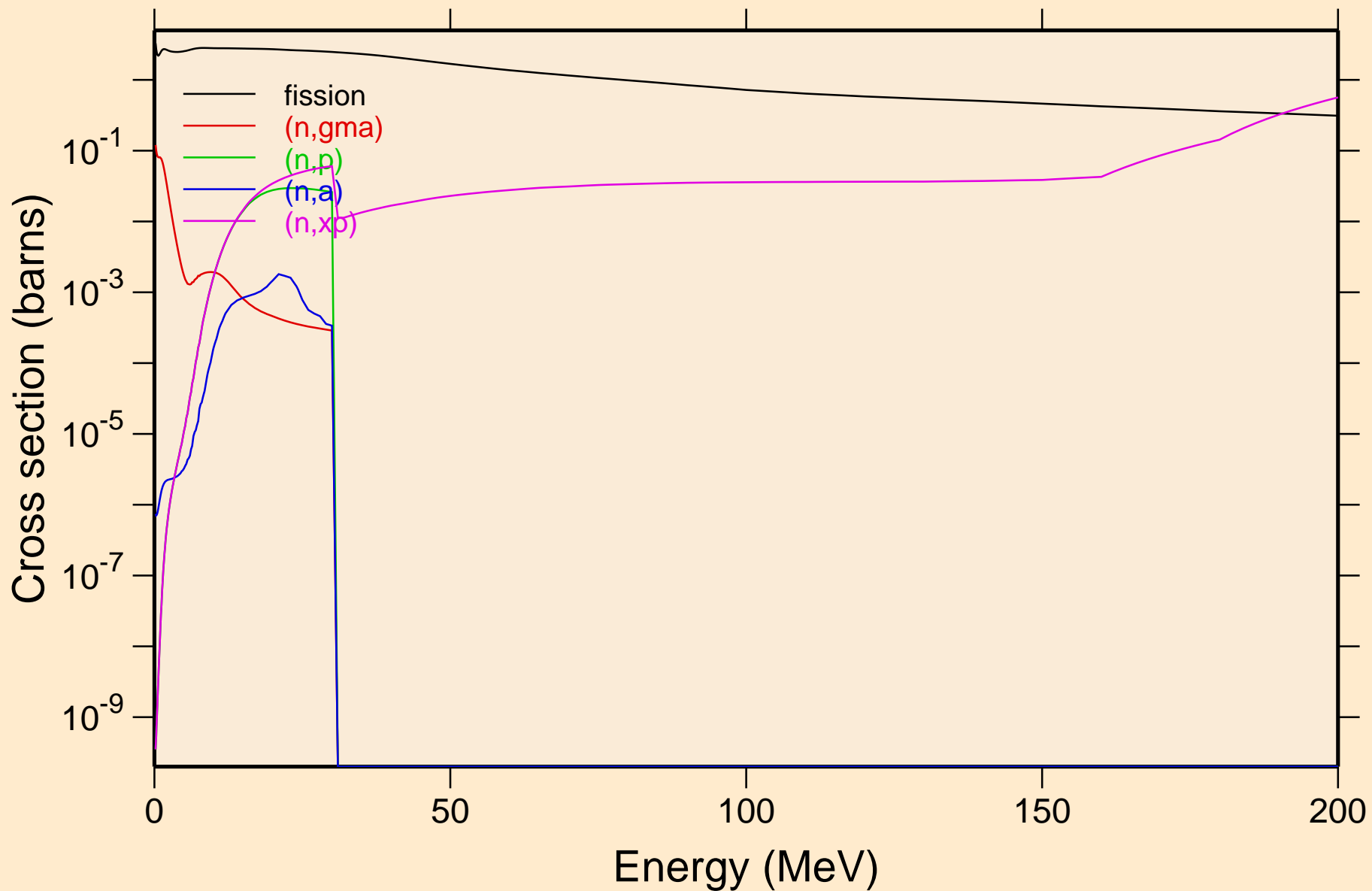


CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Damage

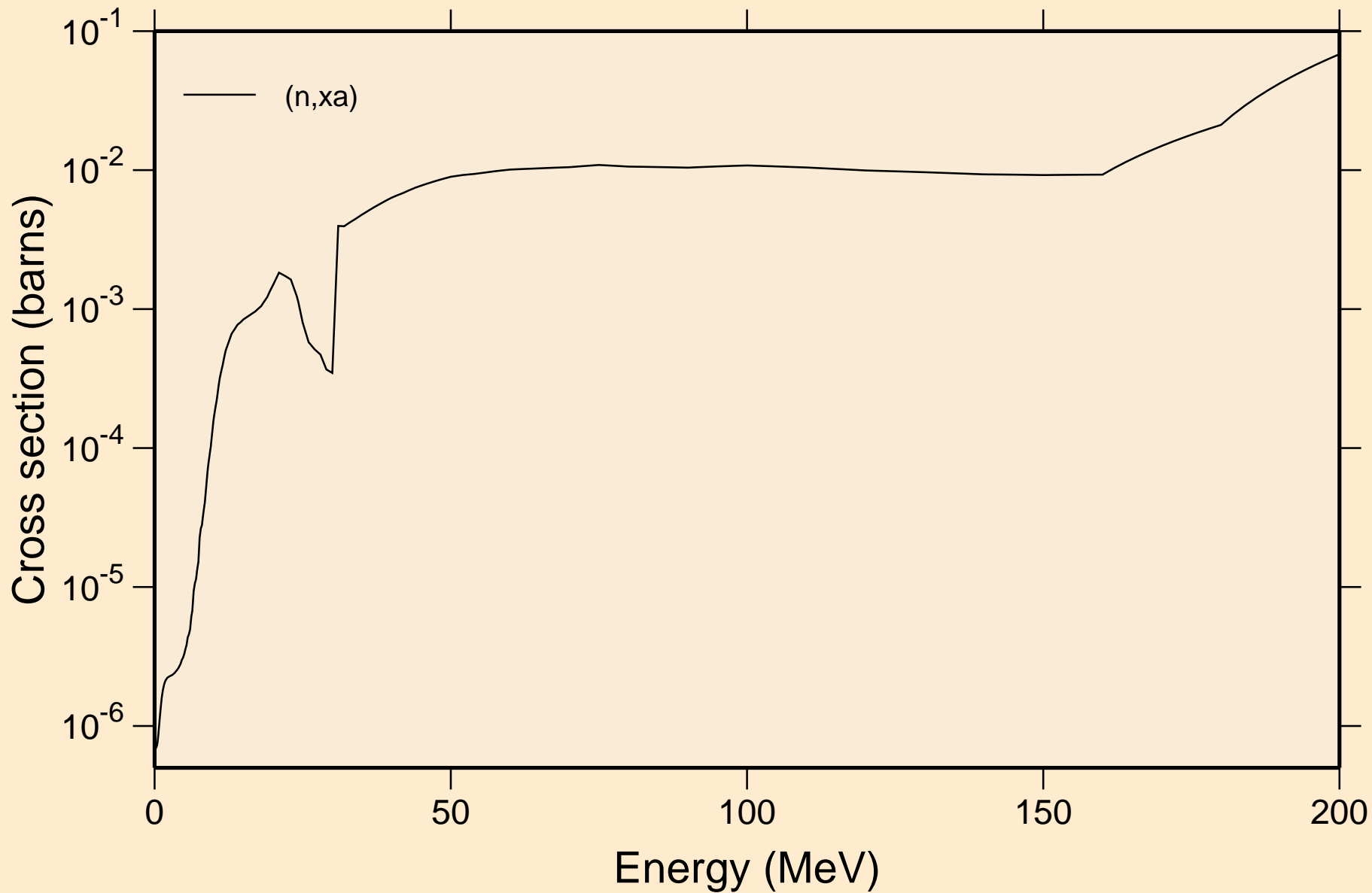


# CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Non-threshold reactions

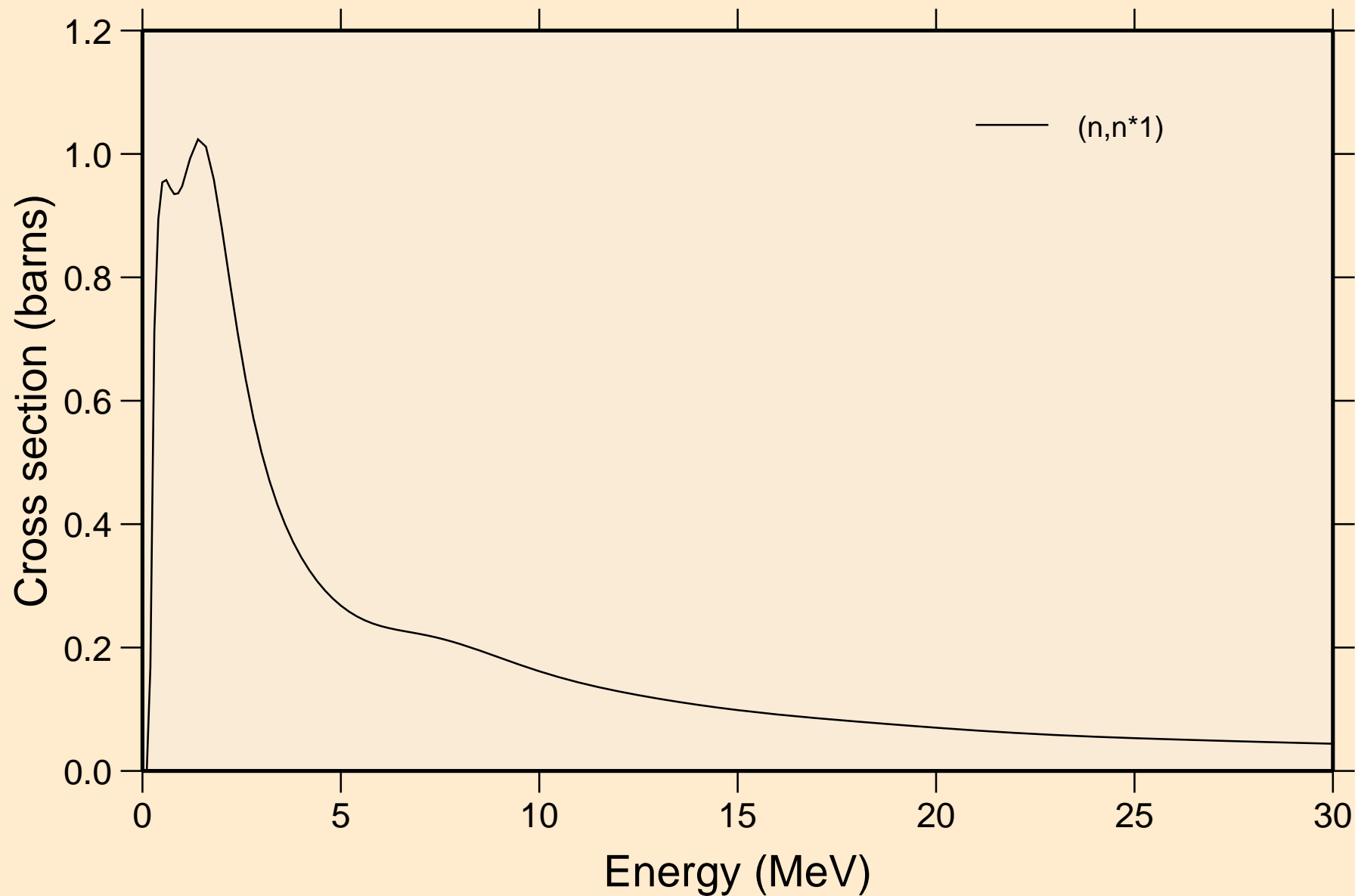


CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions

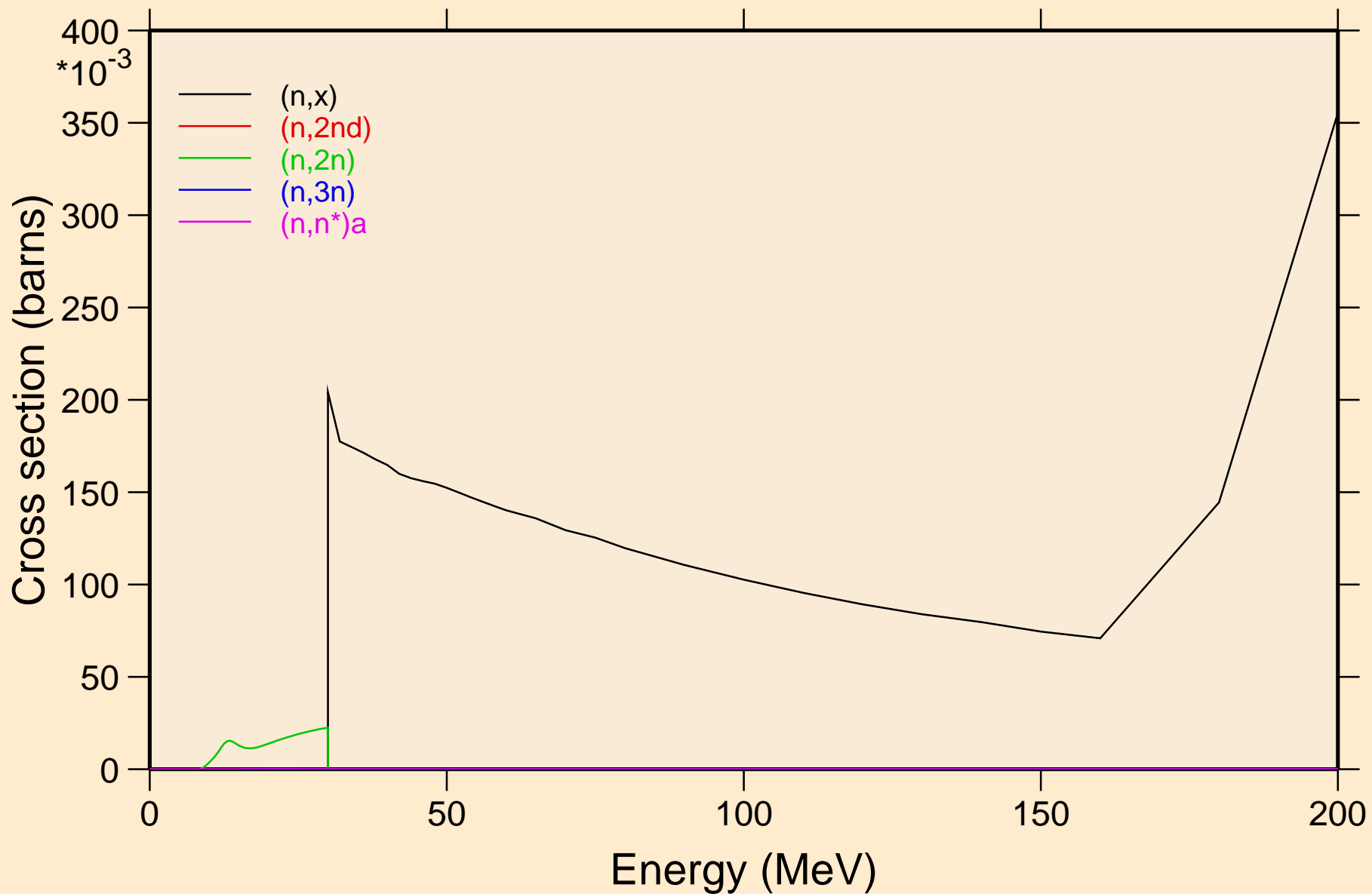




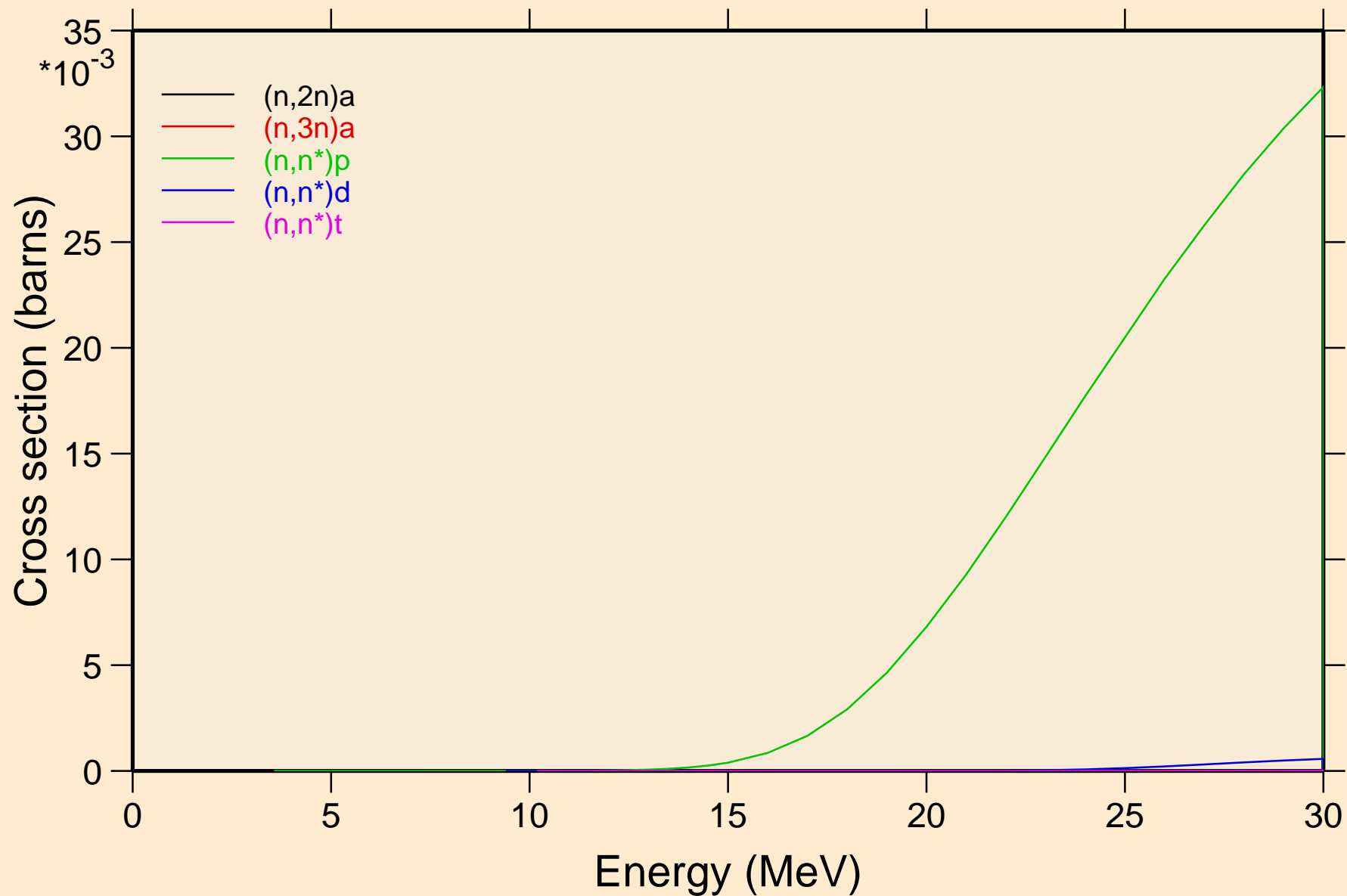
CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

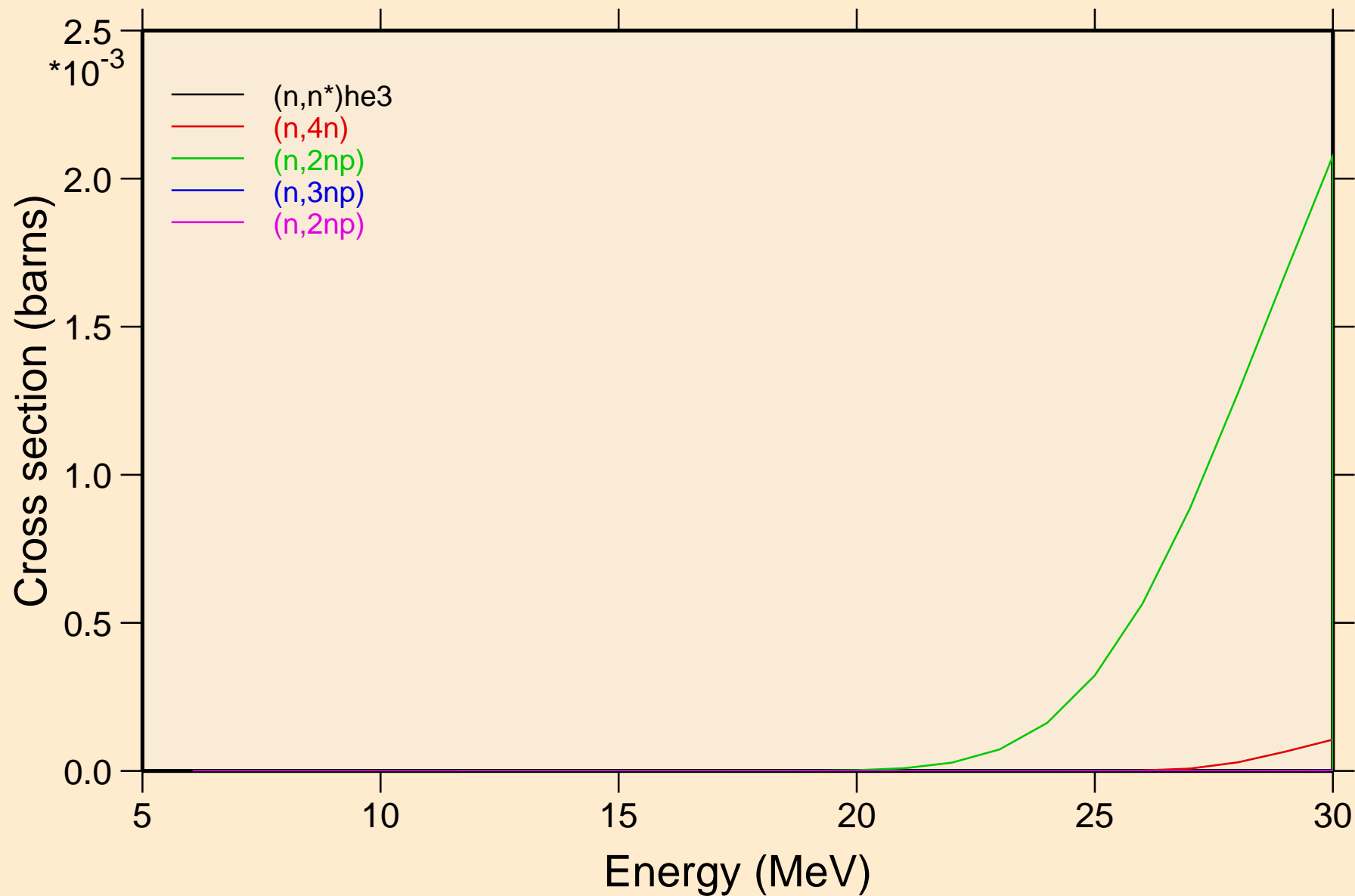


CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



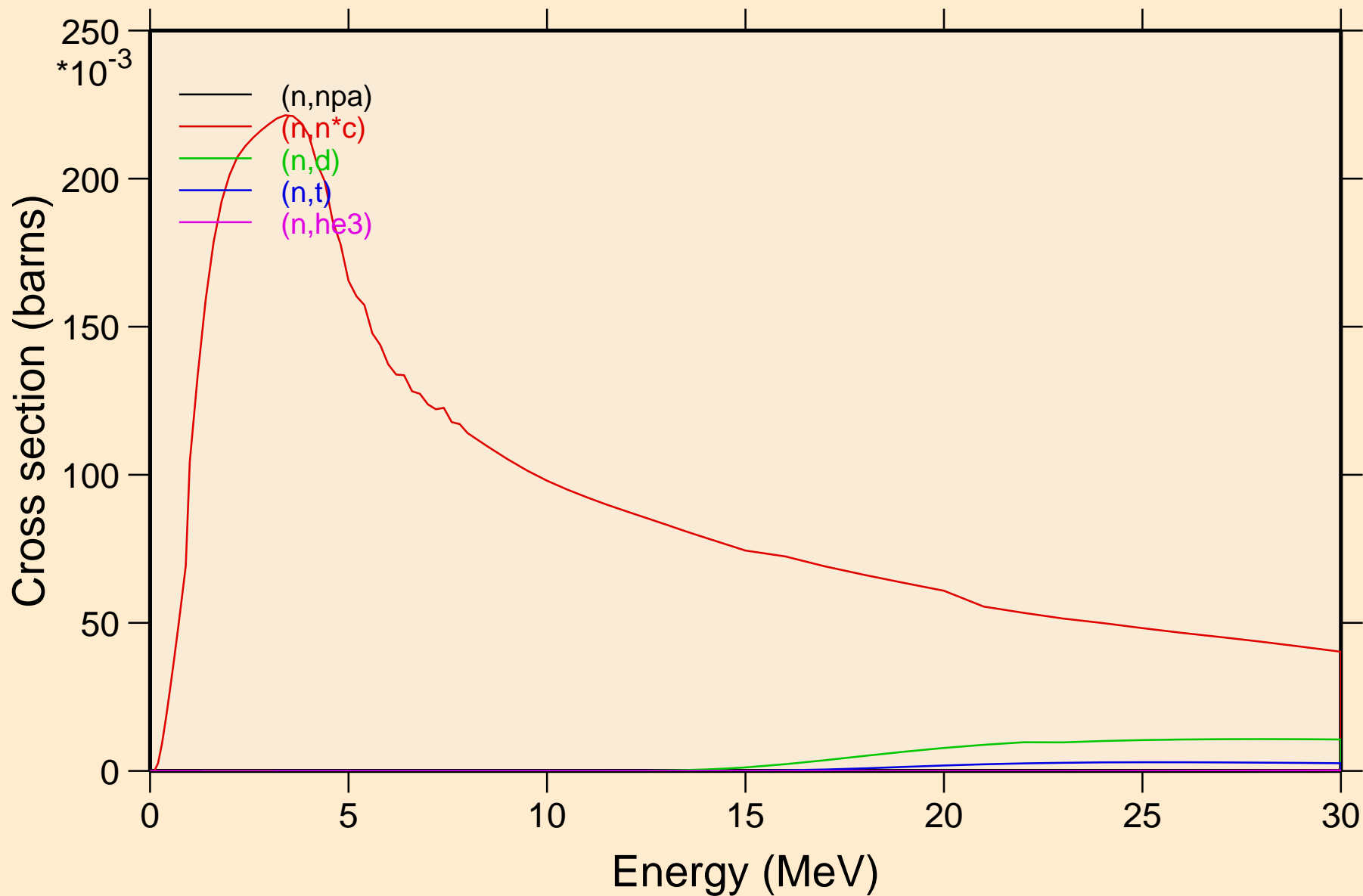
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## Threshold reactions



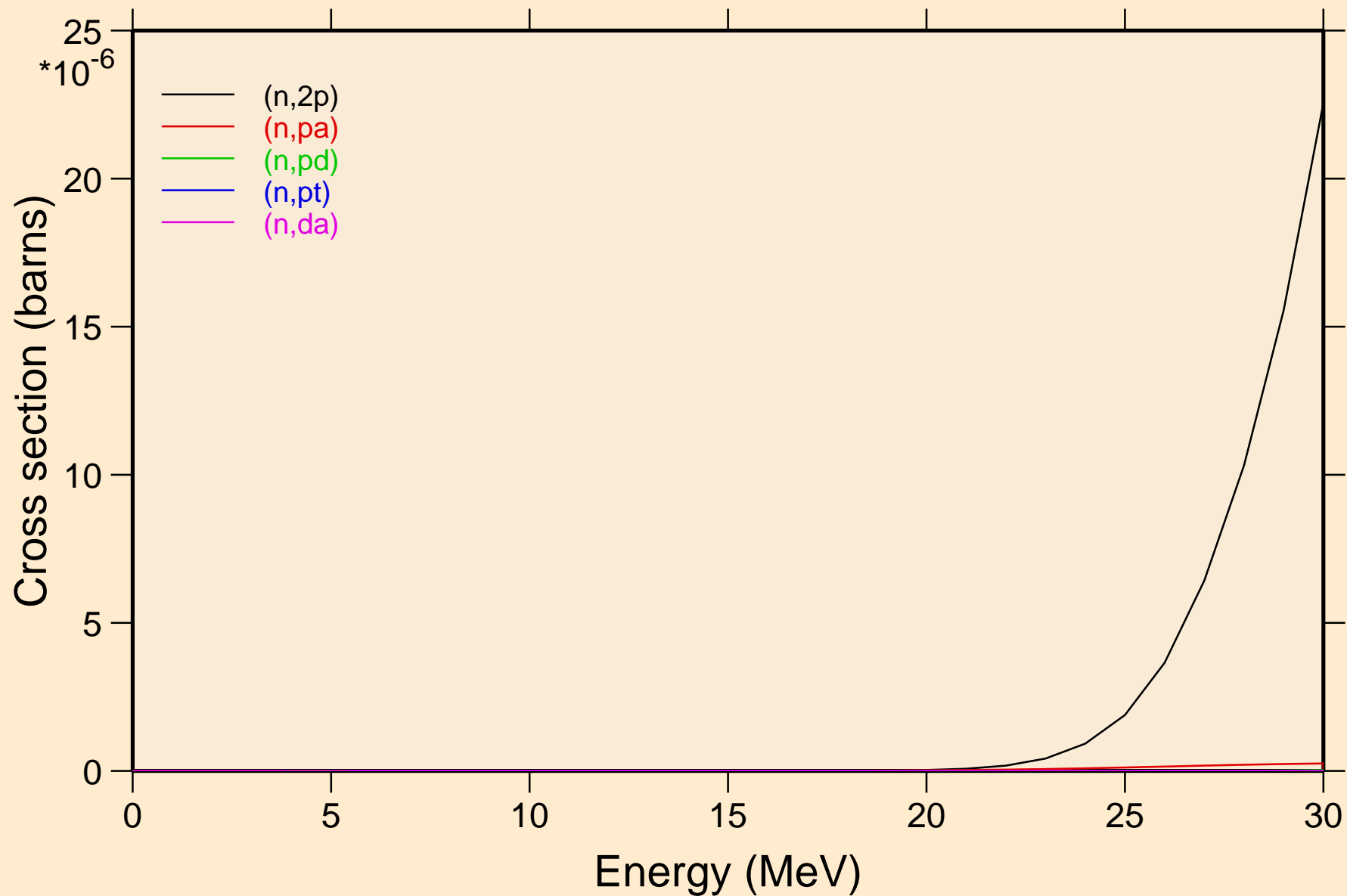
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## Threshold reactions



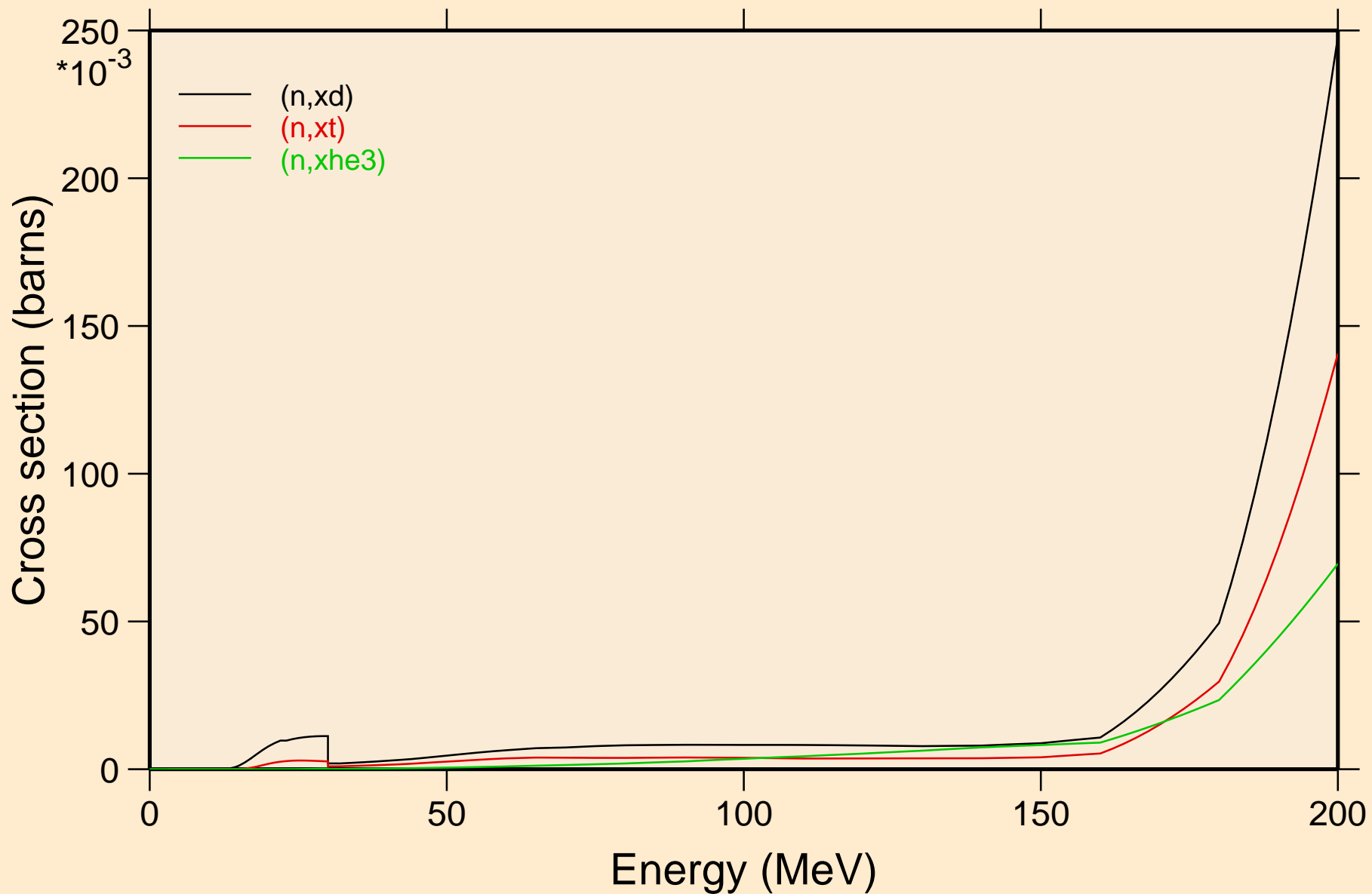
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## Threshold reactions

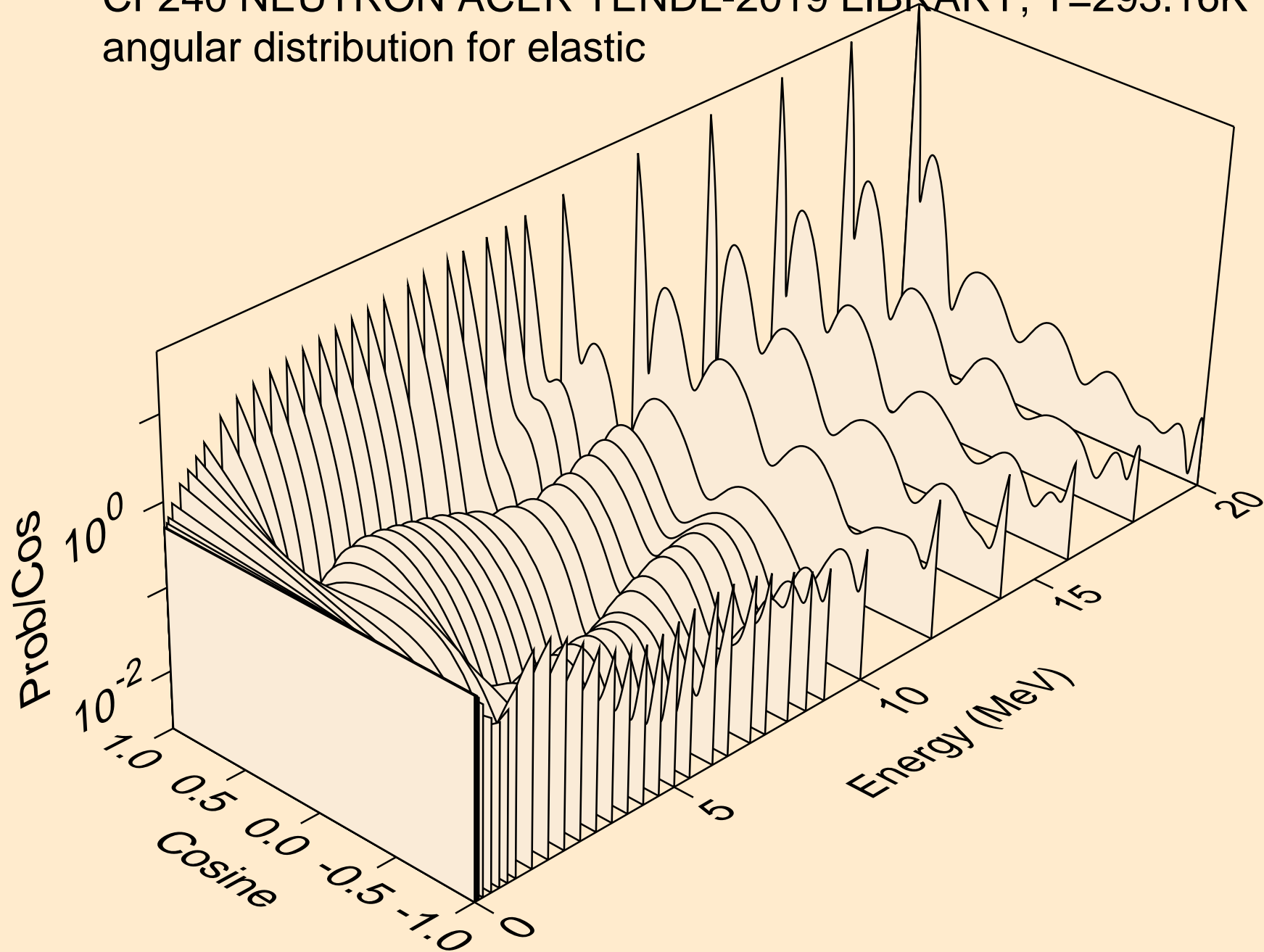


# CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Threshold reactions

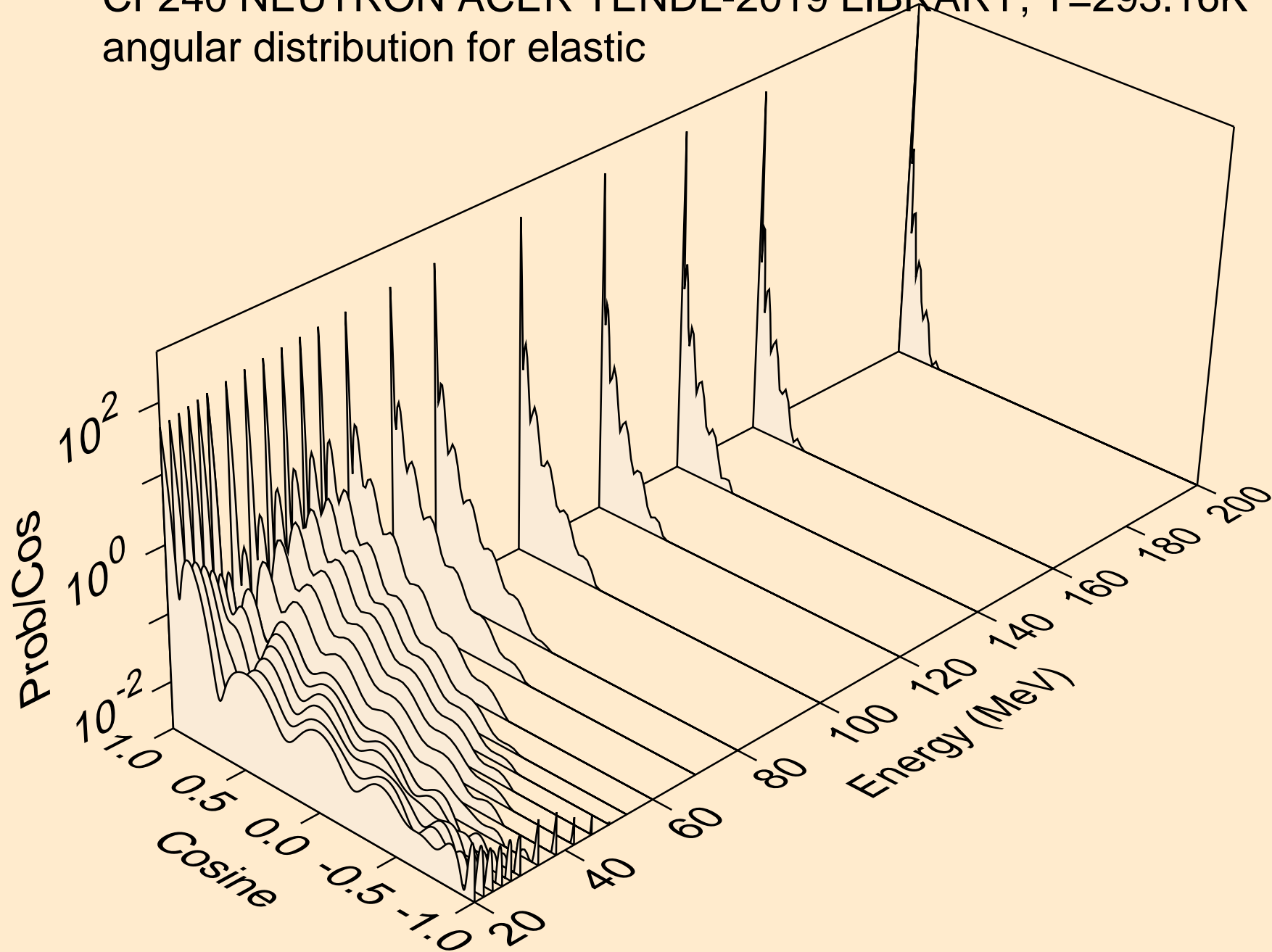


CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic

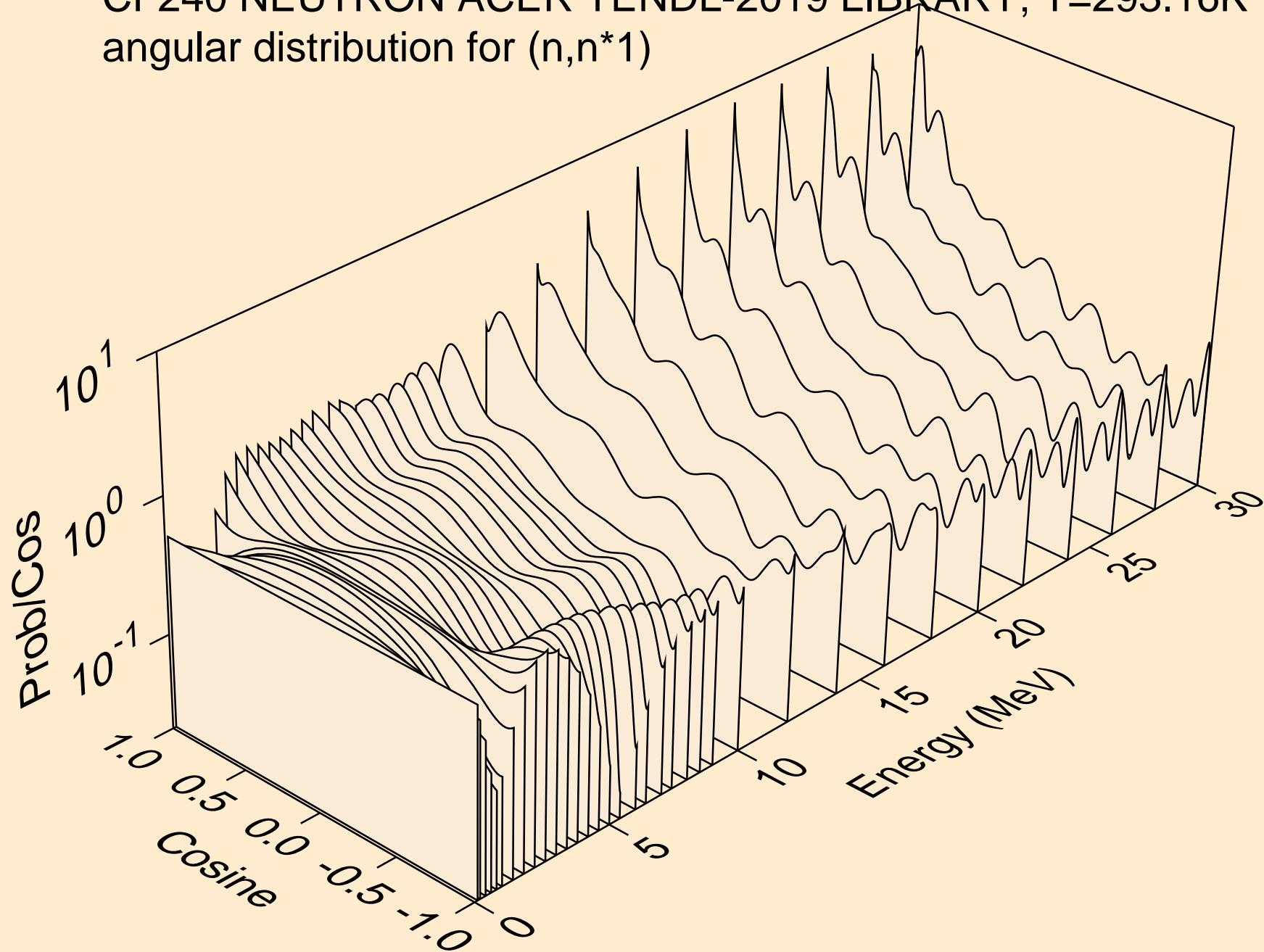




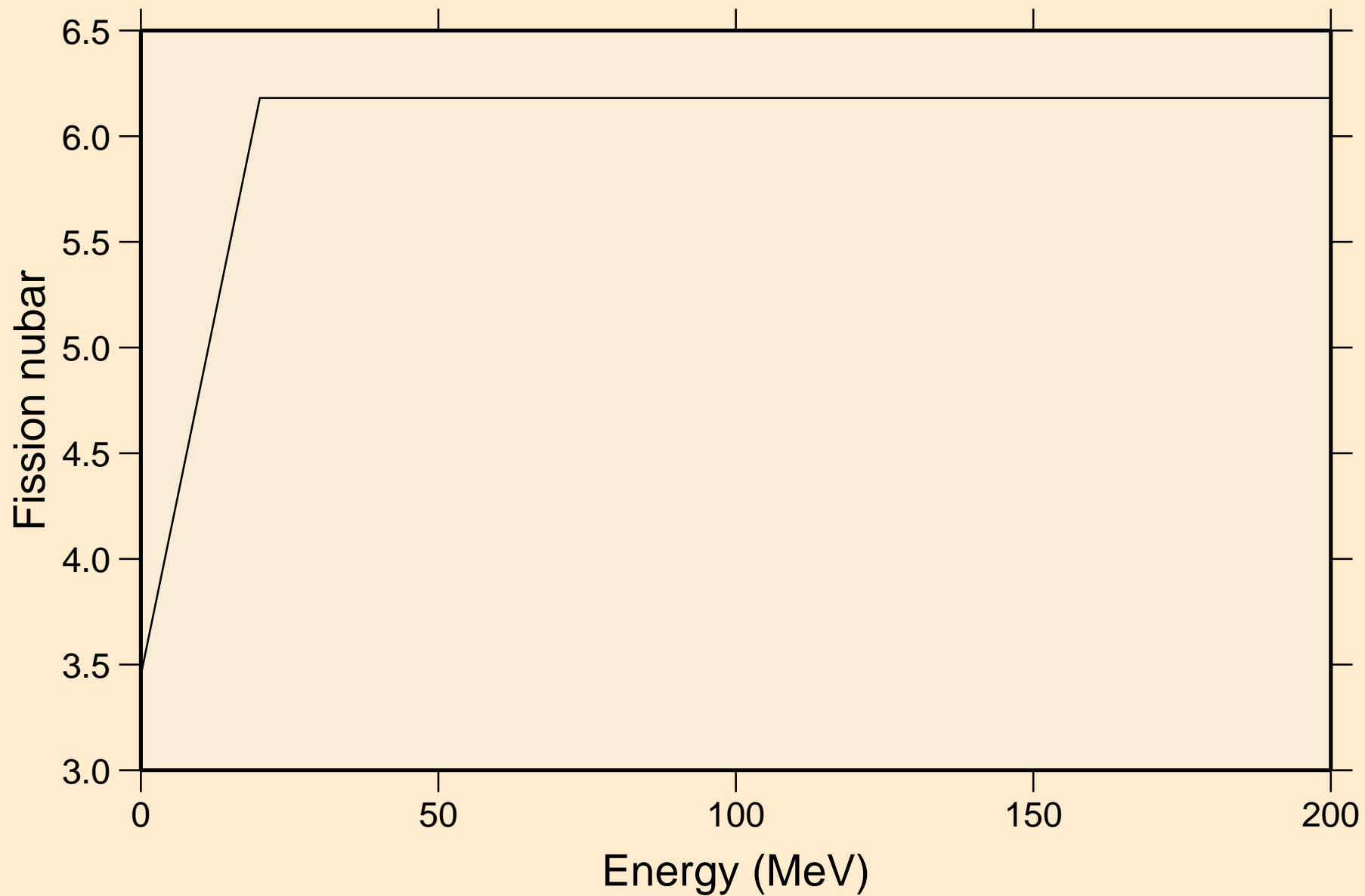
CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic



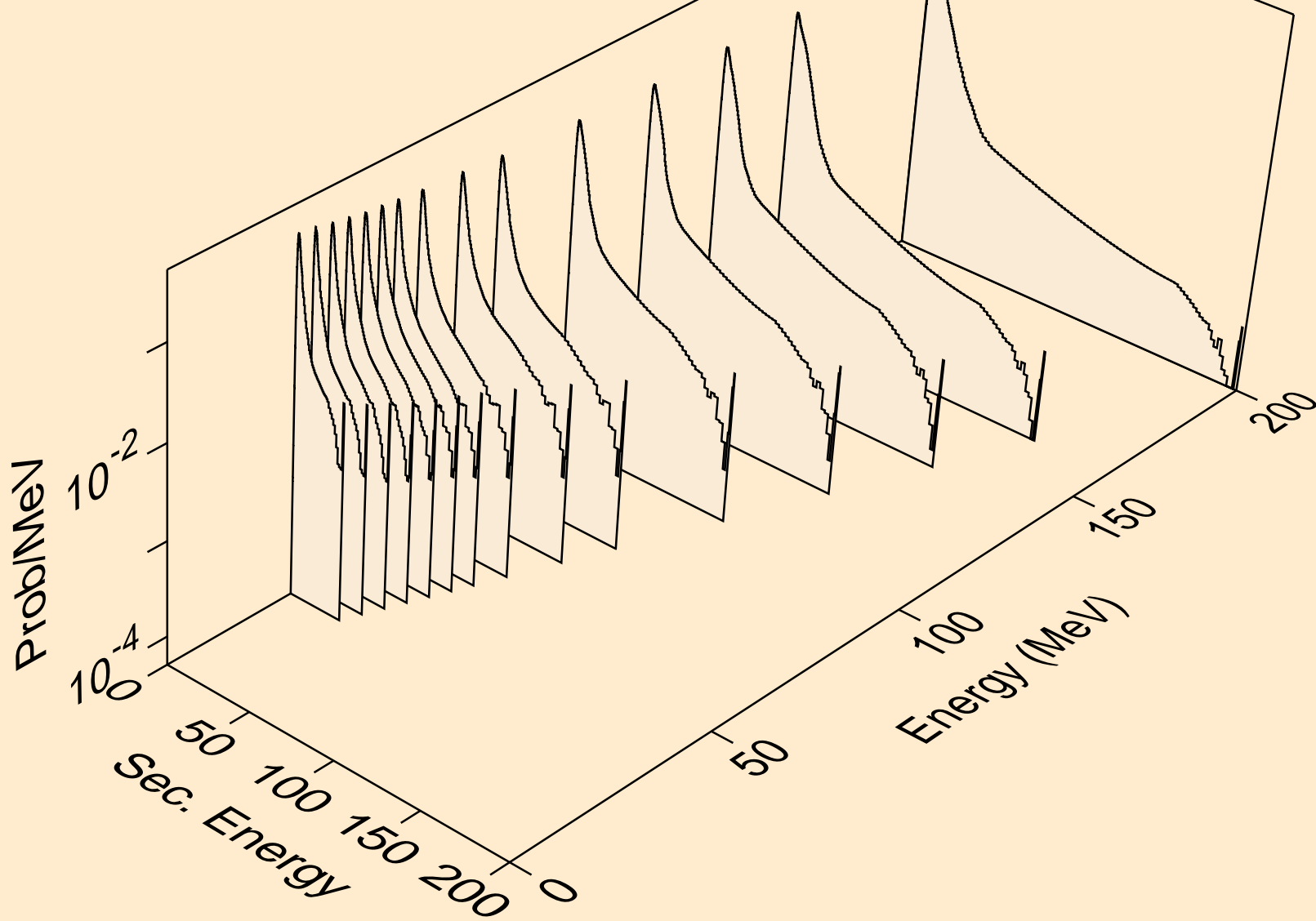
CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*1)



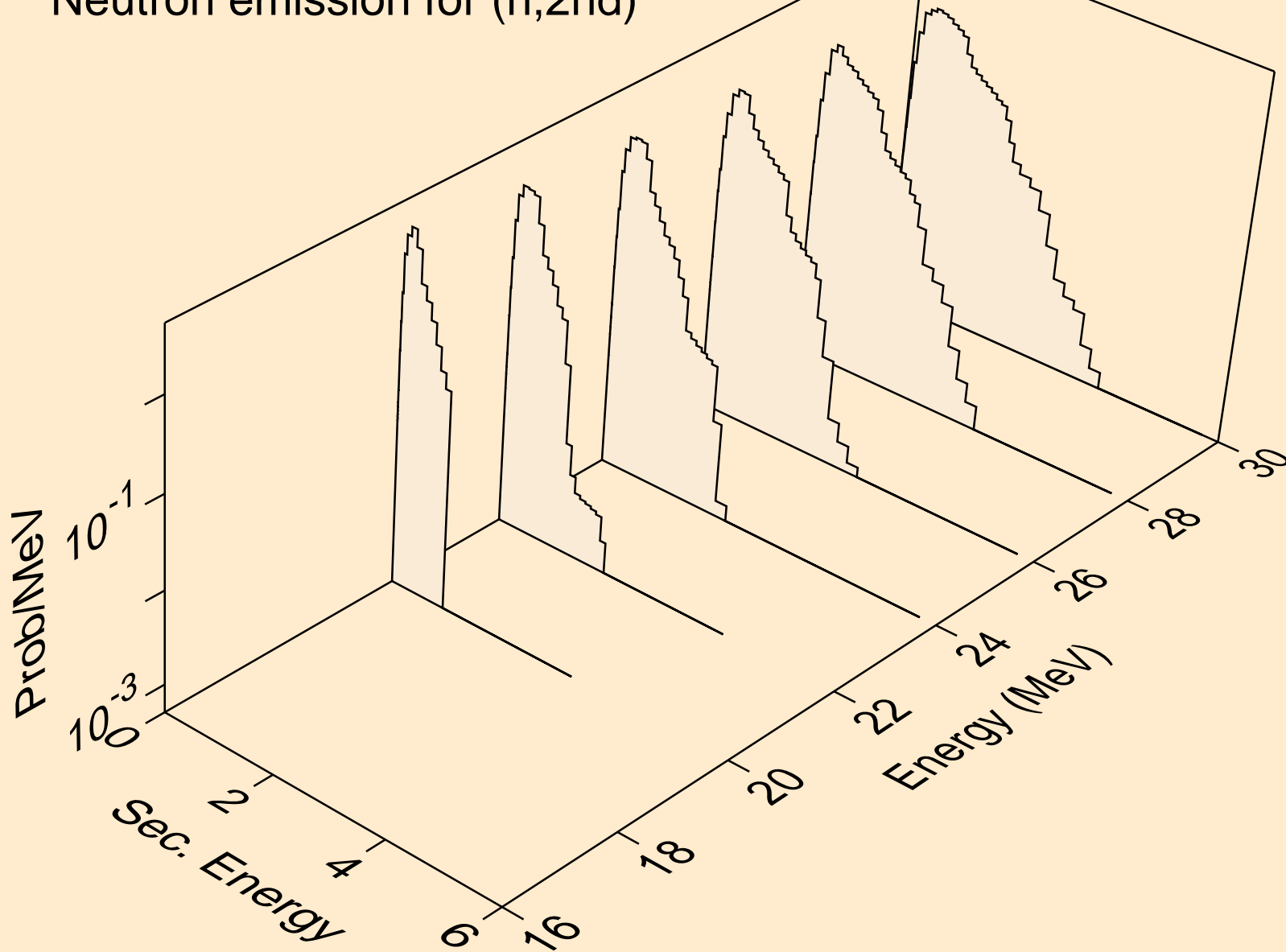
CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Total fission nubar



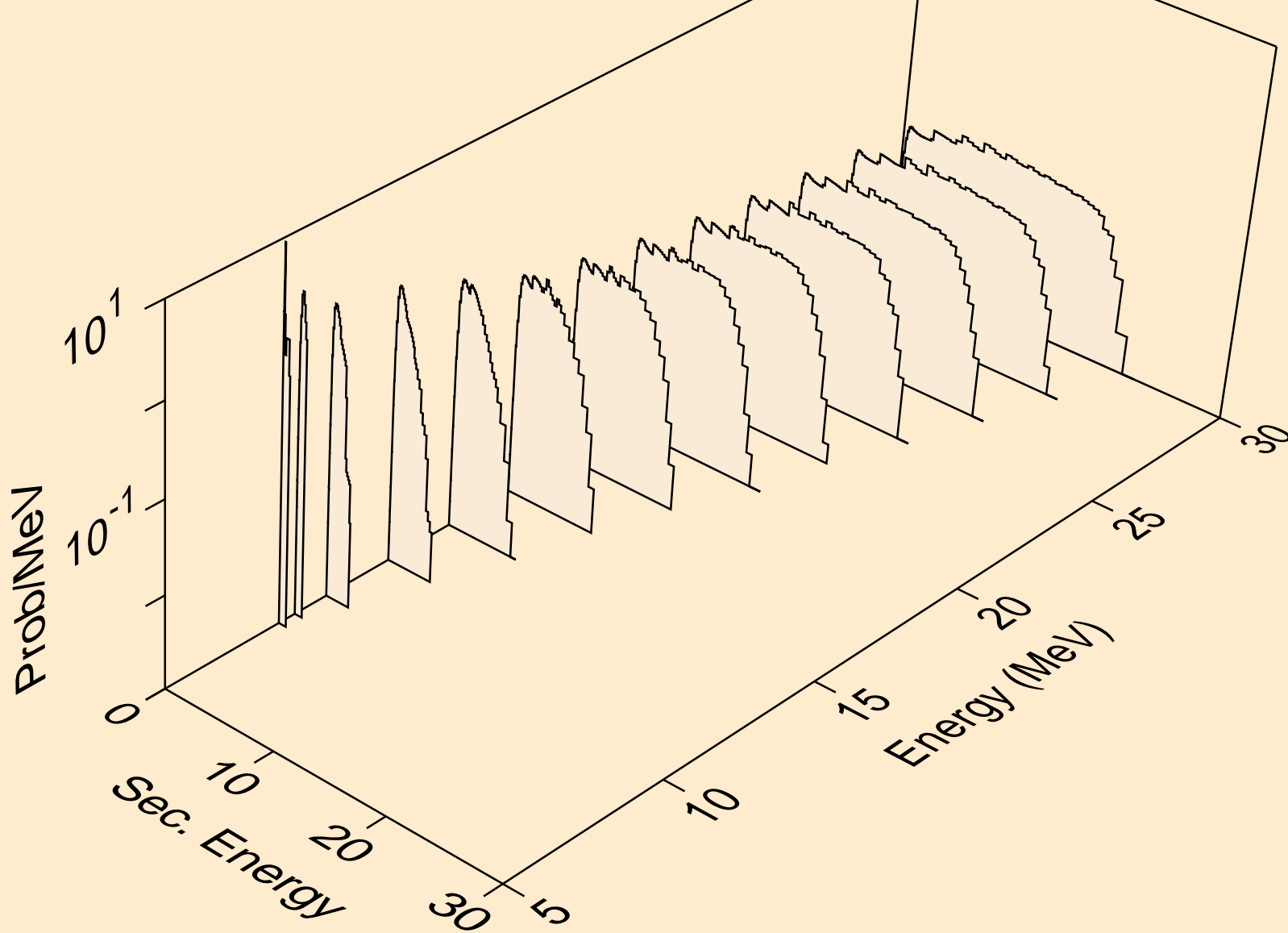
CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,x)



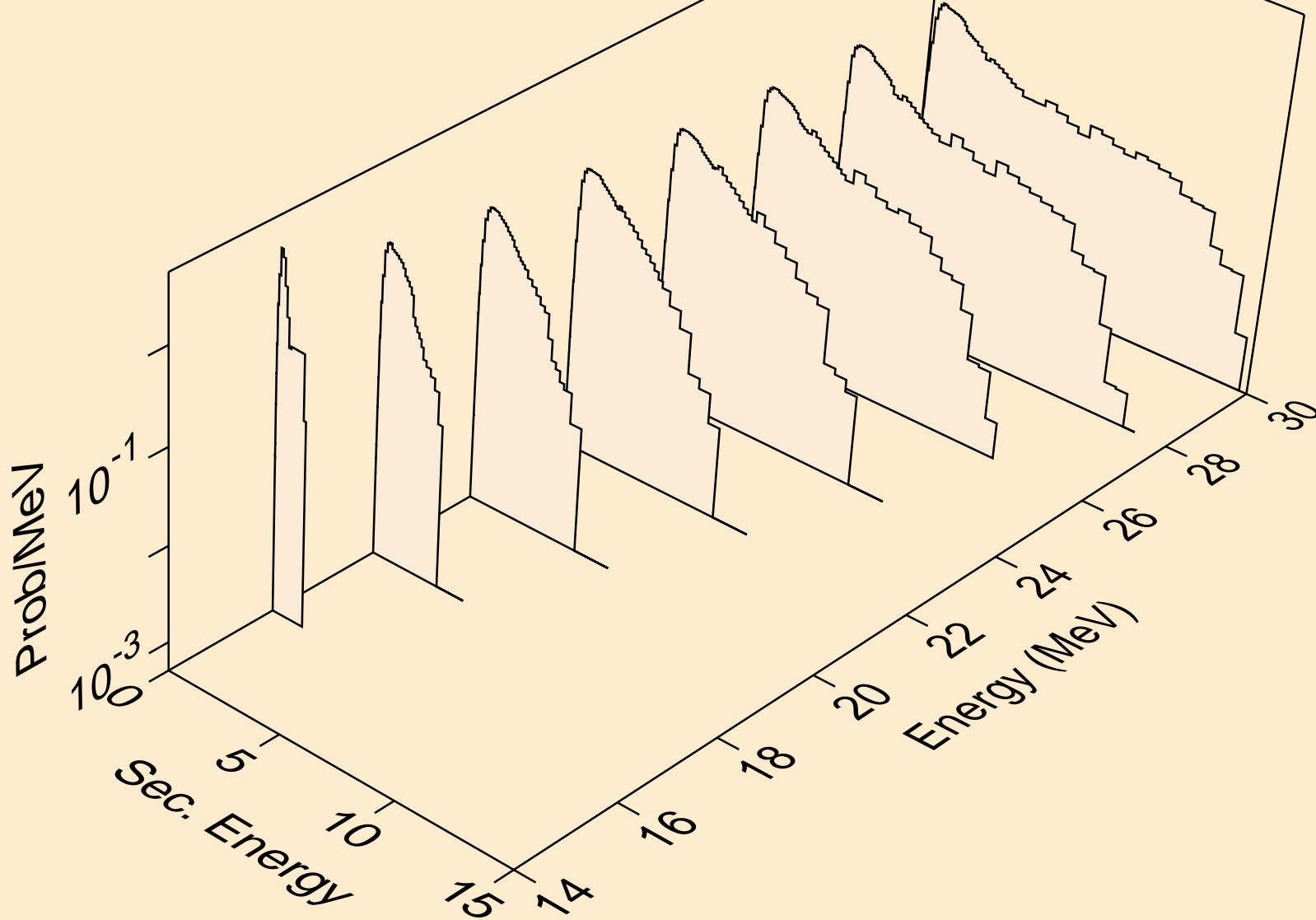
CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2nd)



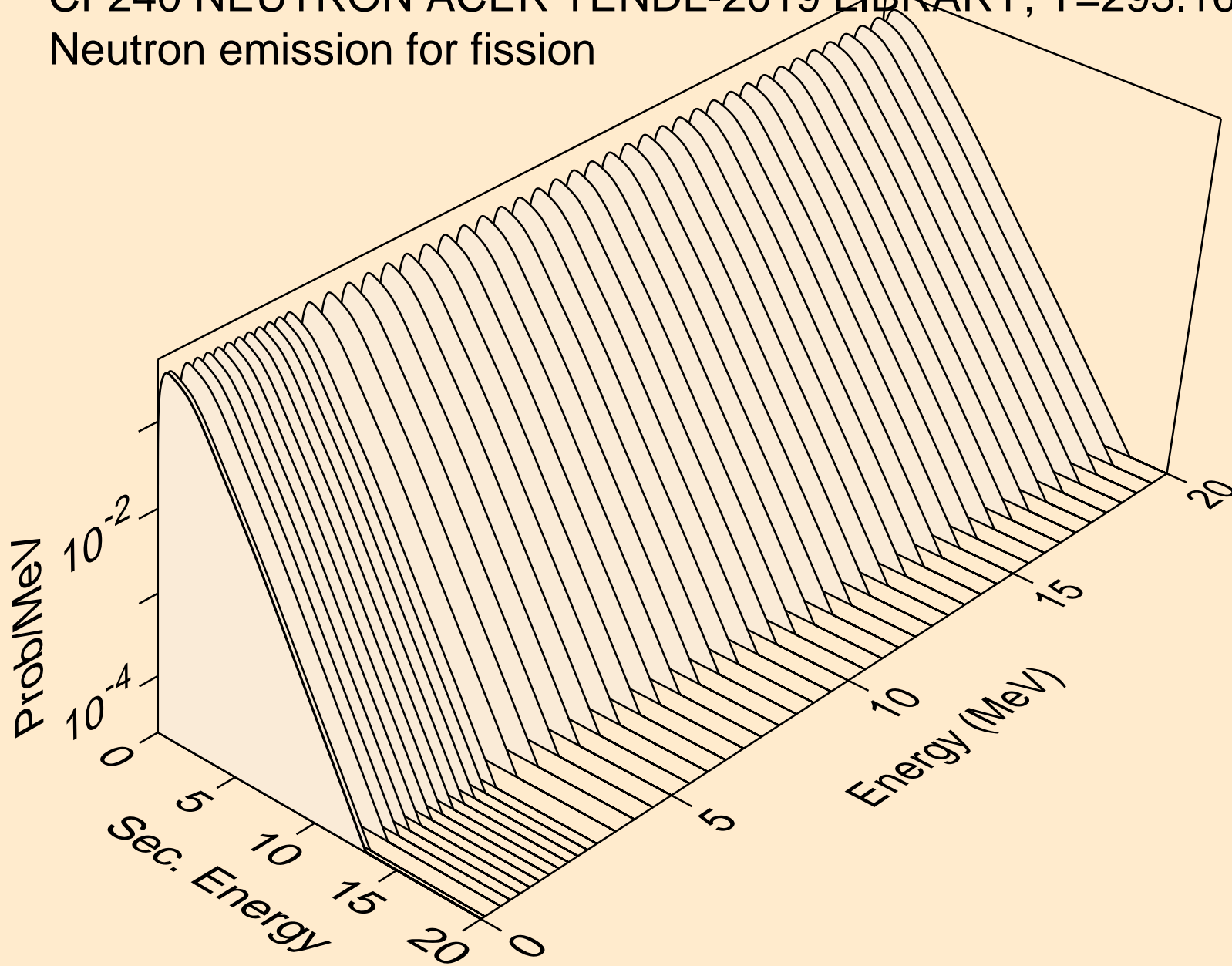
CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)



CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)

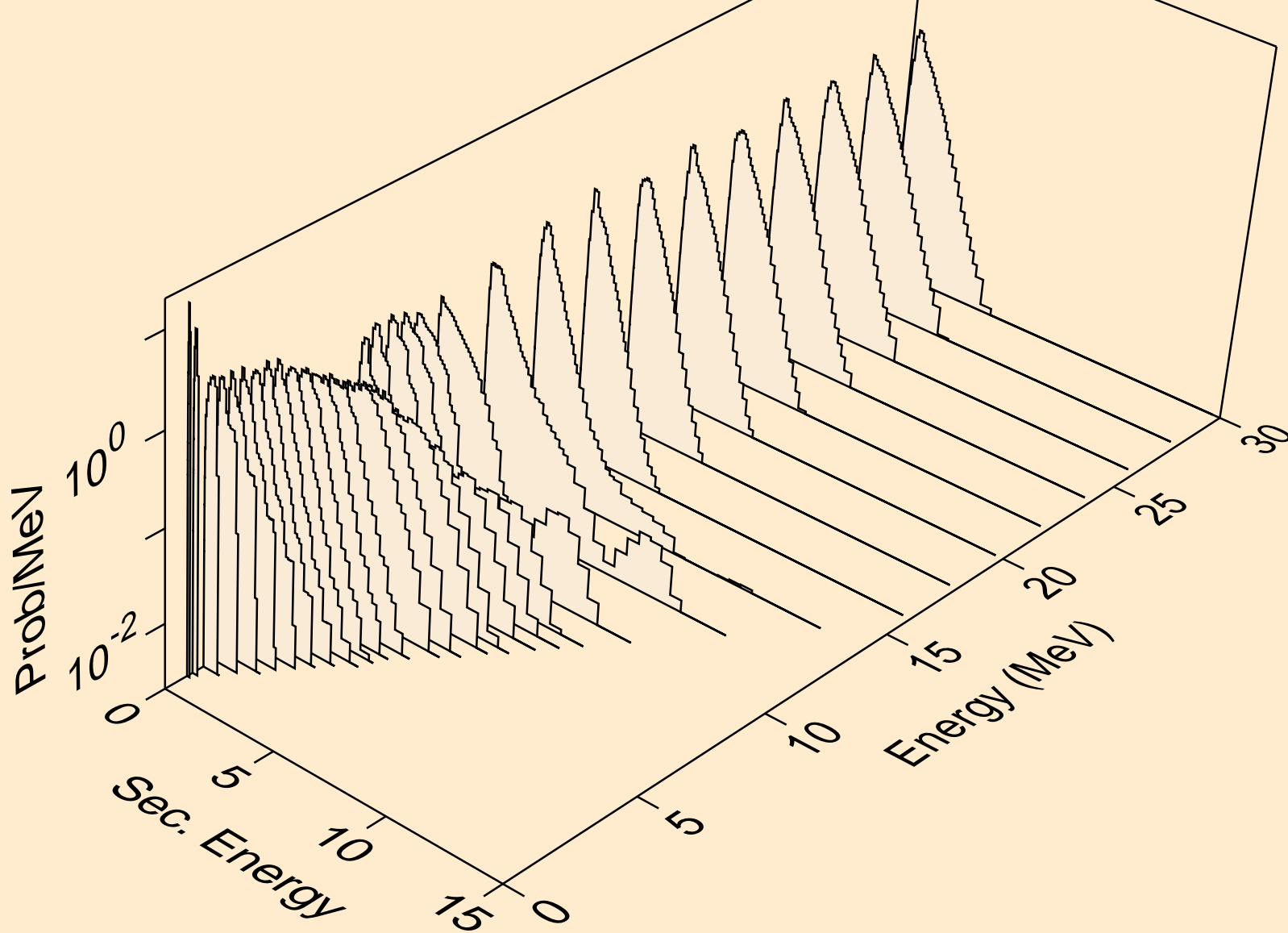


CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for fission

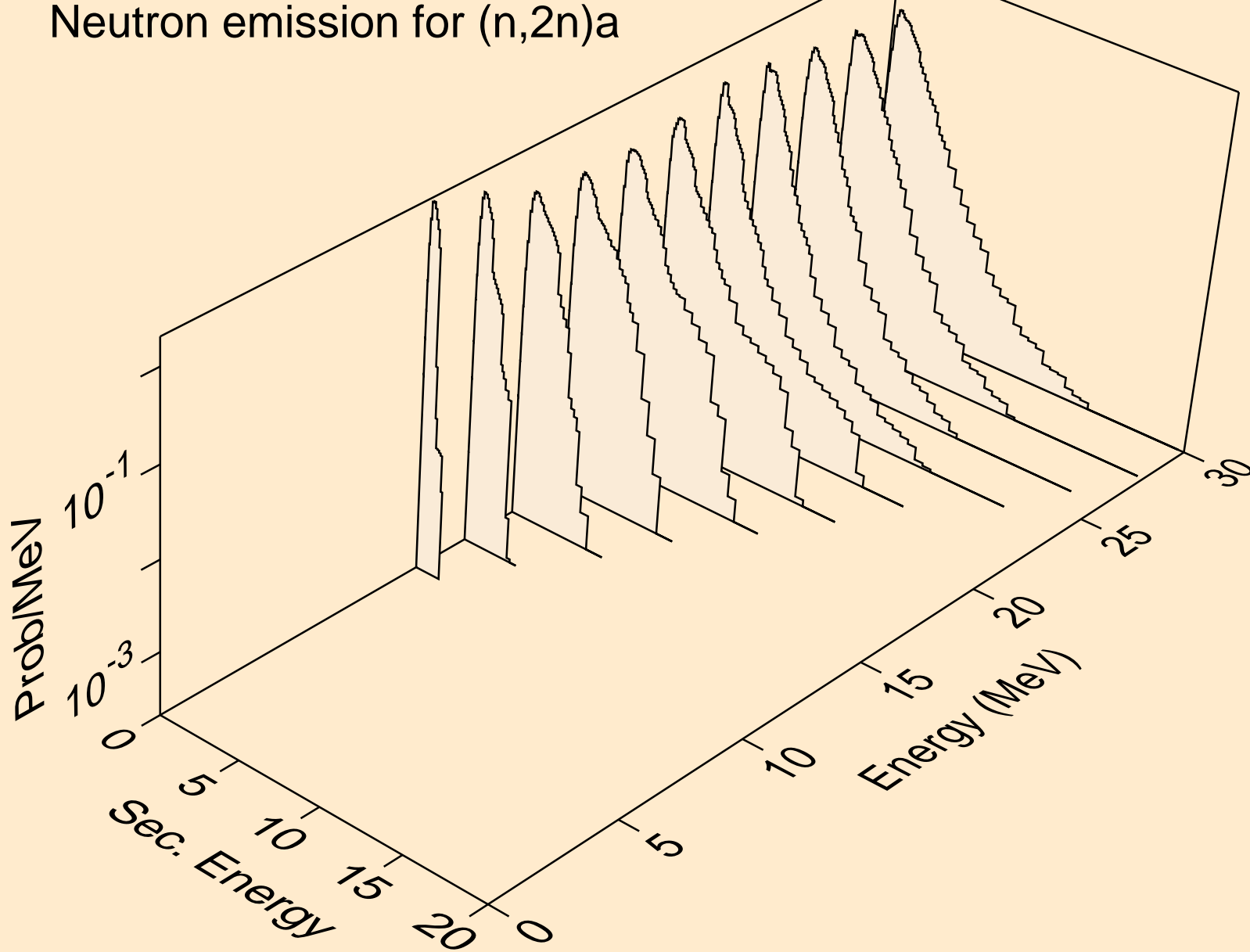




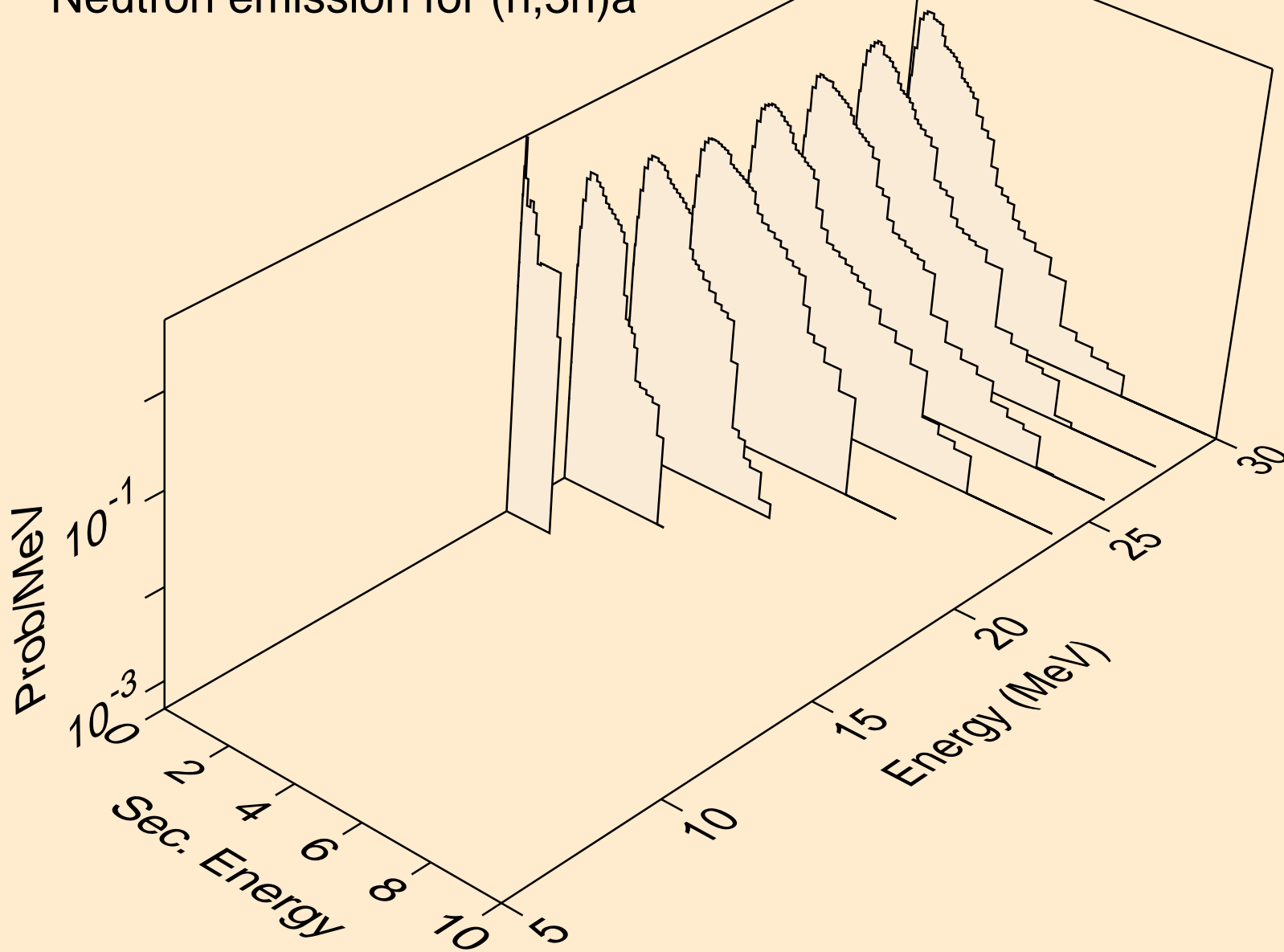
CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)a



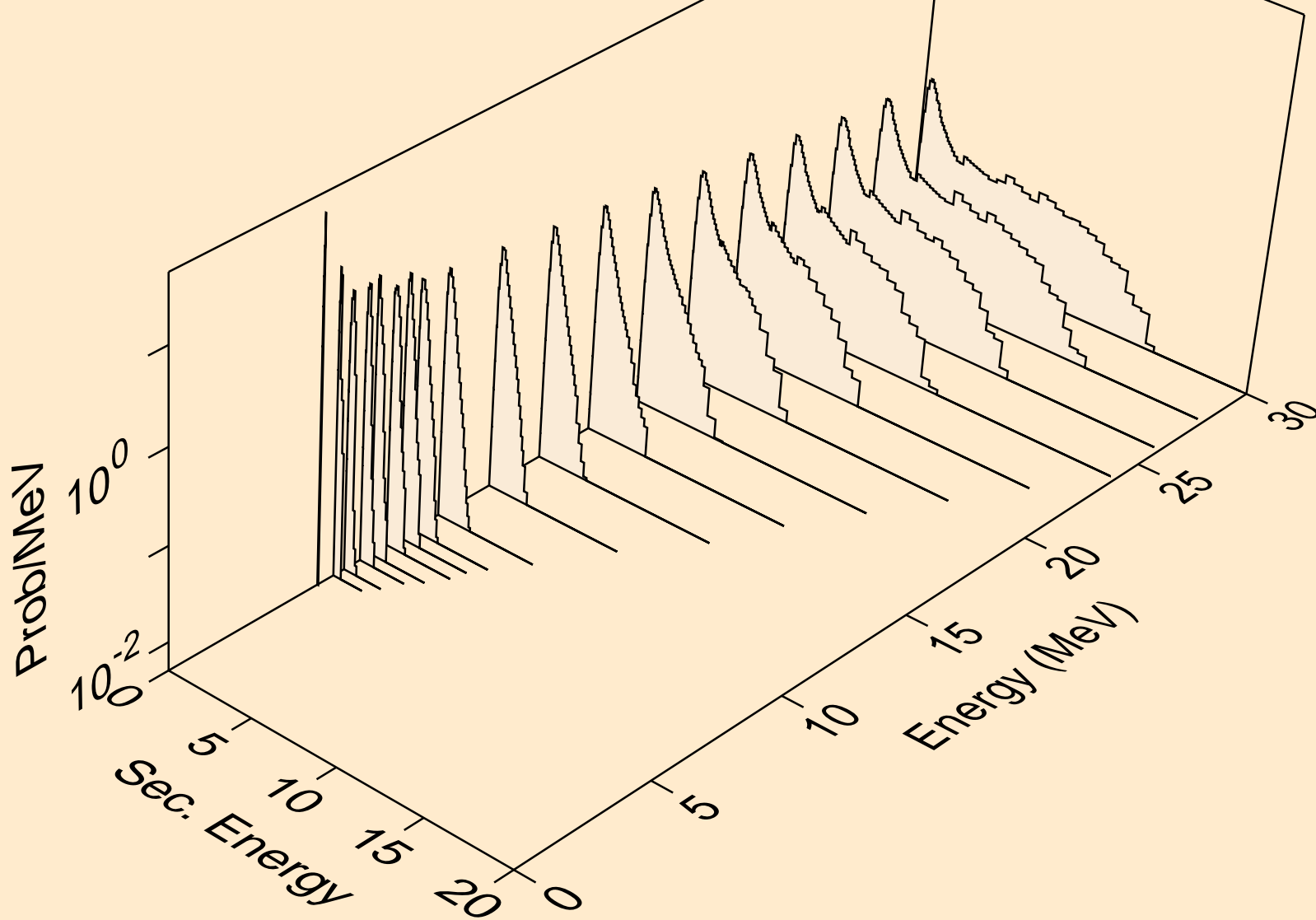
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Neutron emission for (n,2n)a



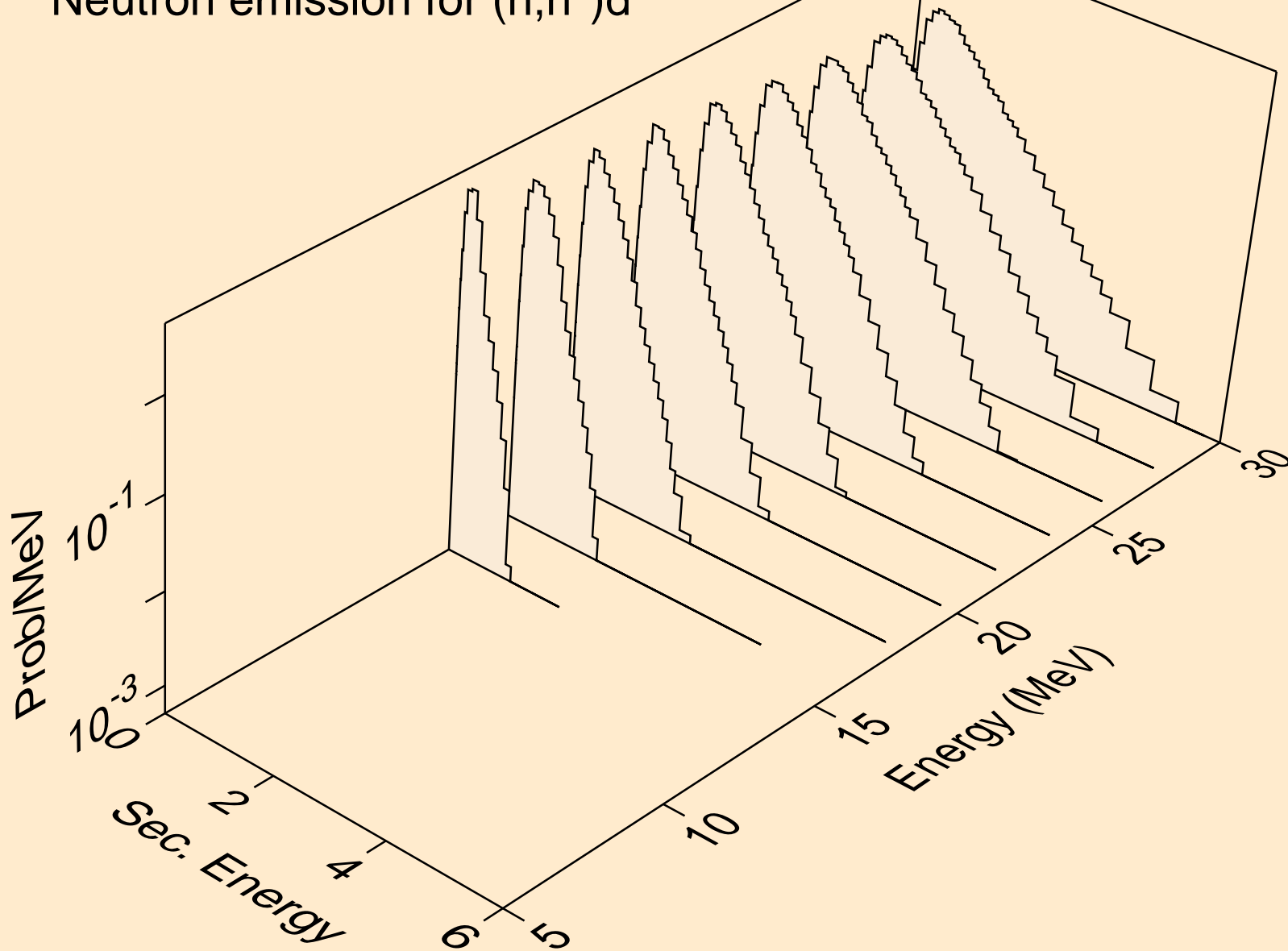
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Neutron emission for (n,3n)a



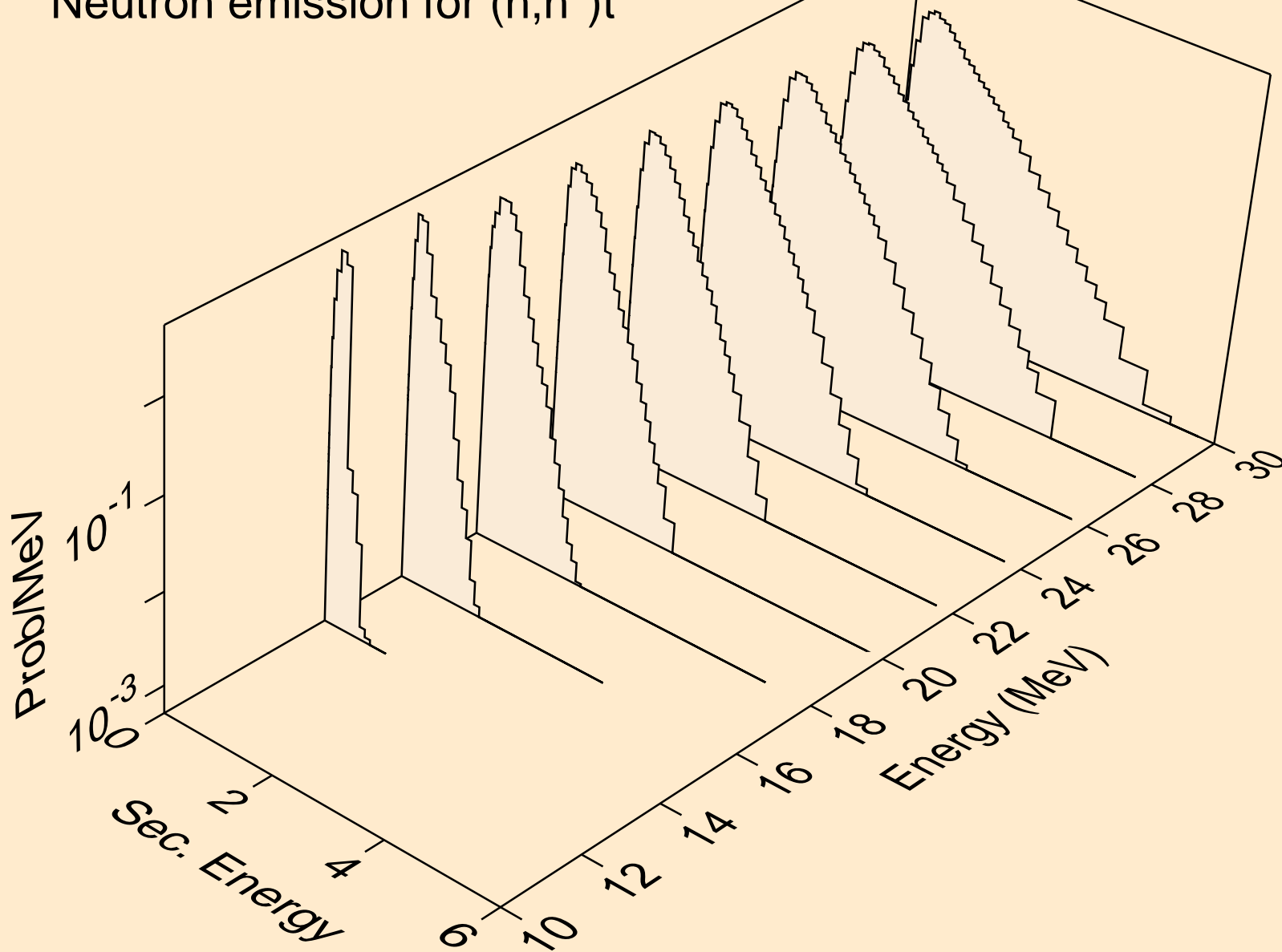
CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)p



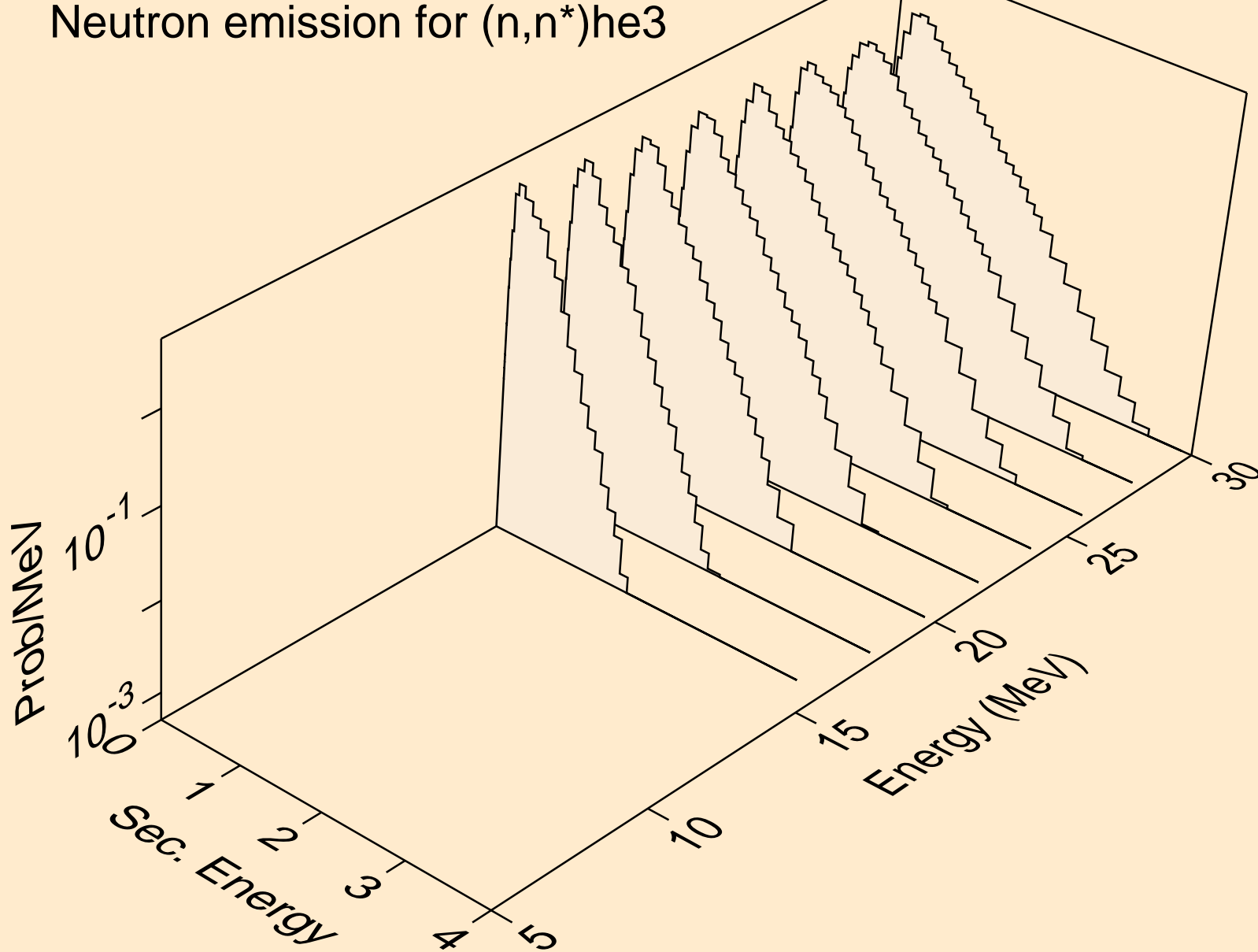
CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)d



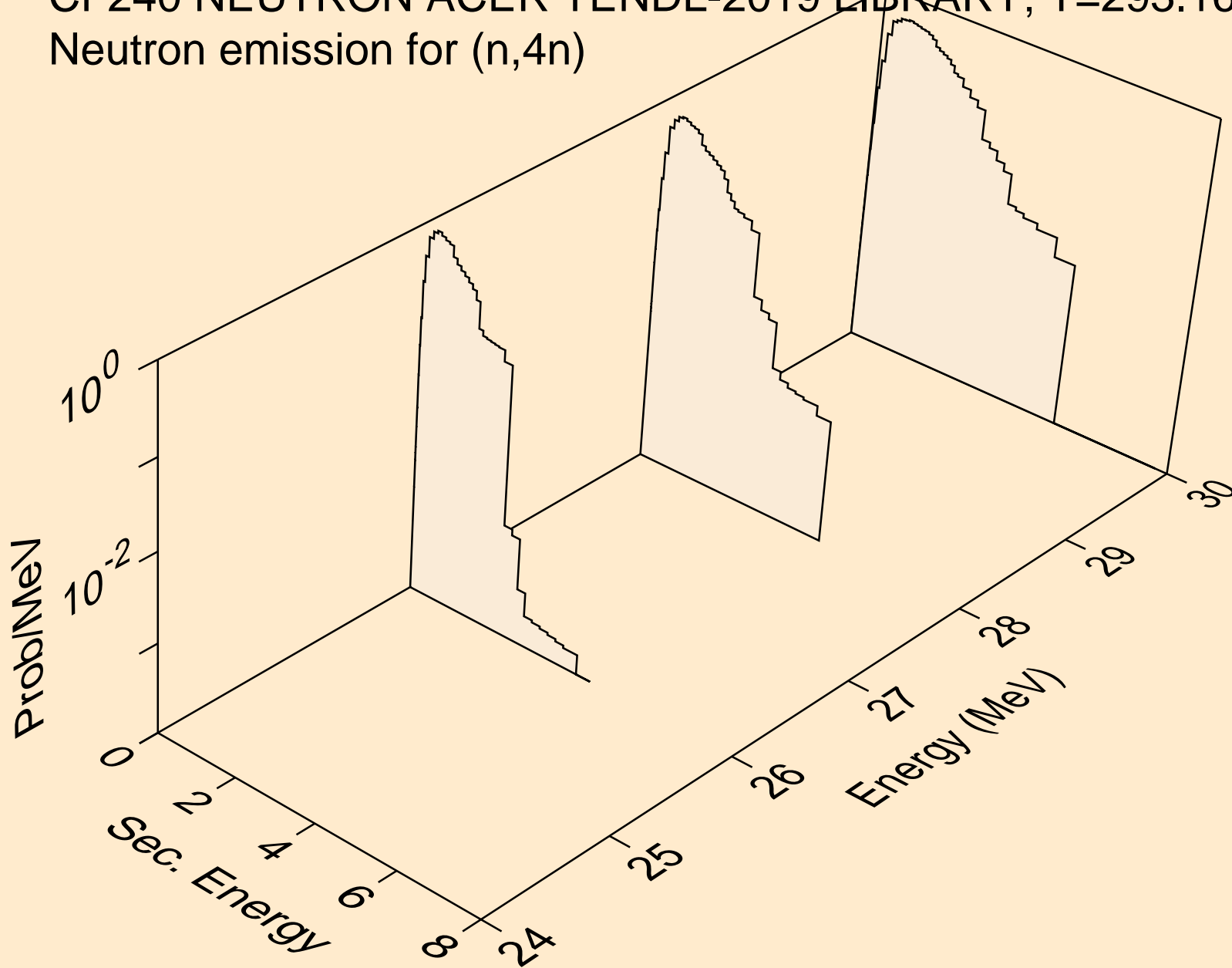
CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)t



CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)he3

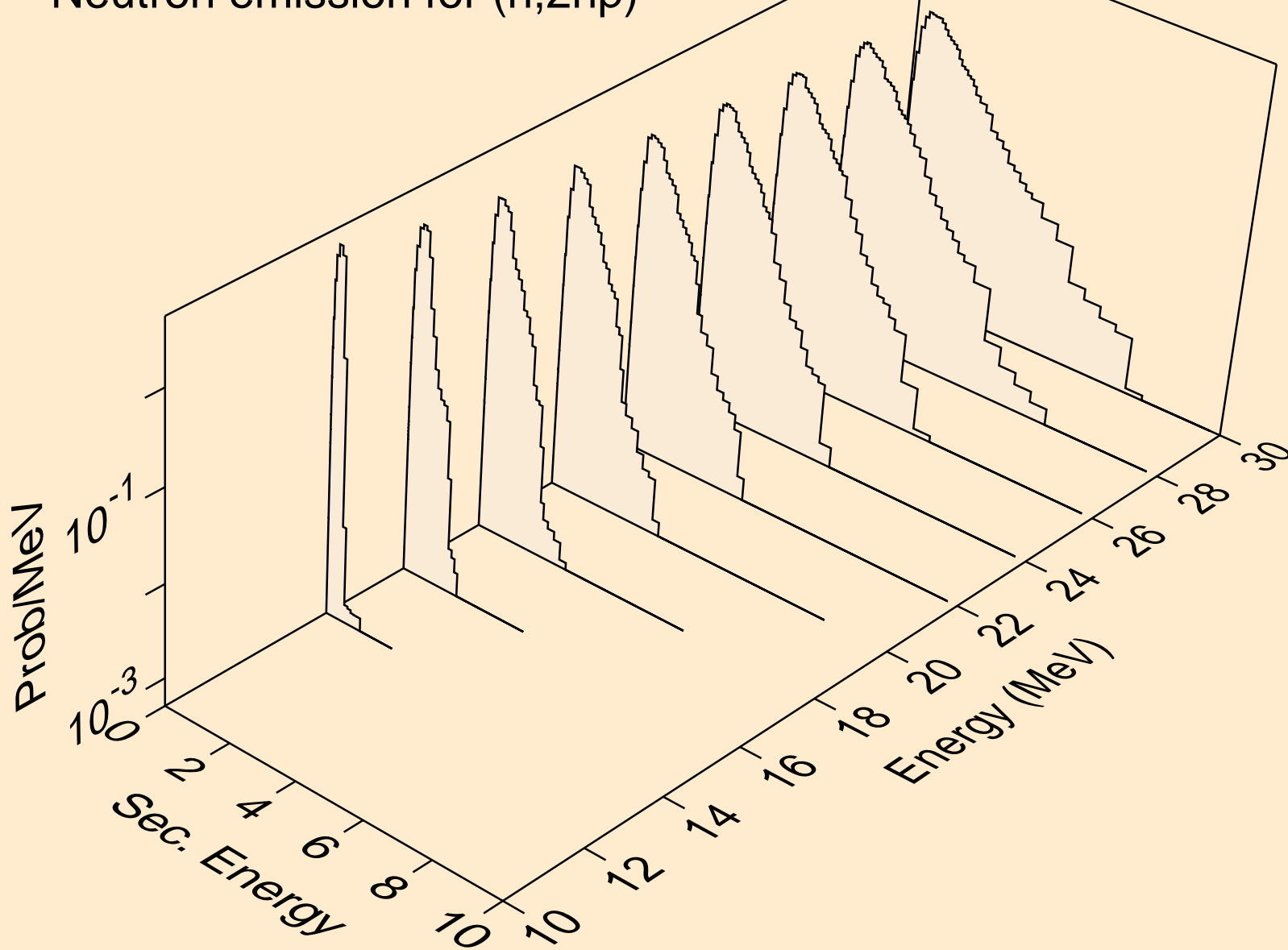


CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,4n)

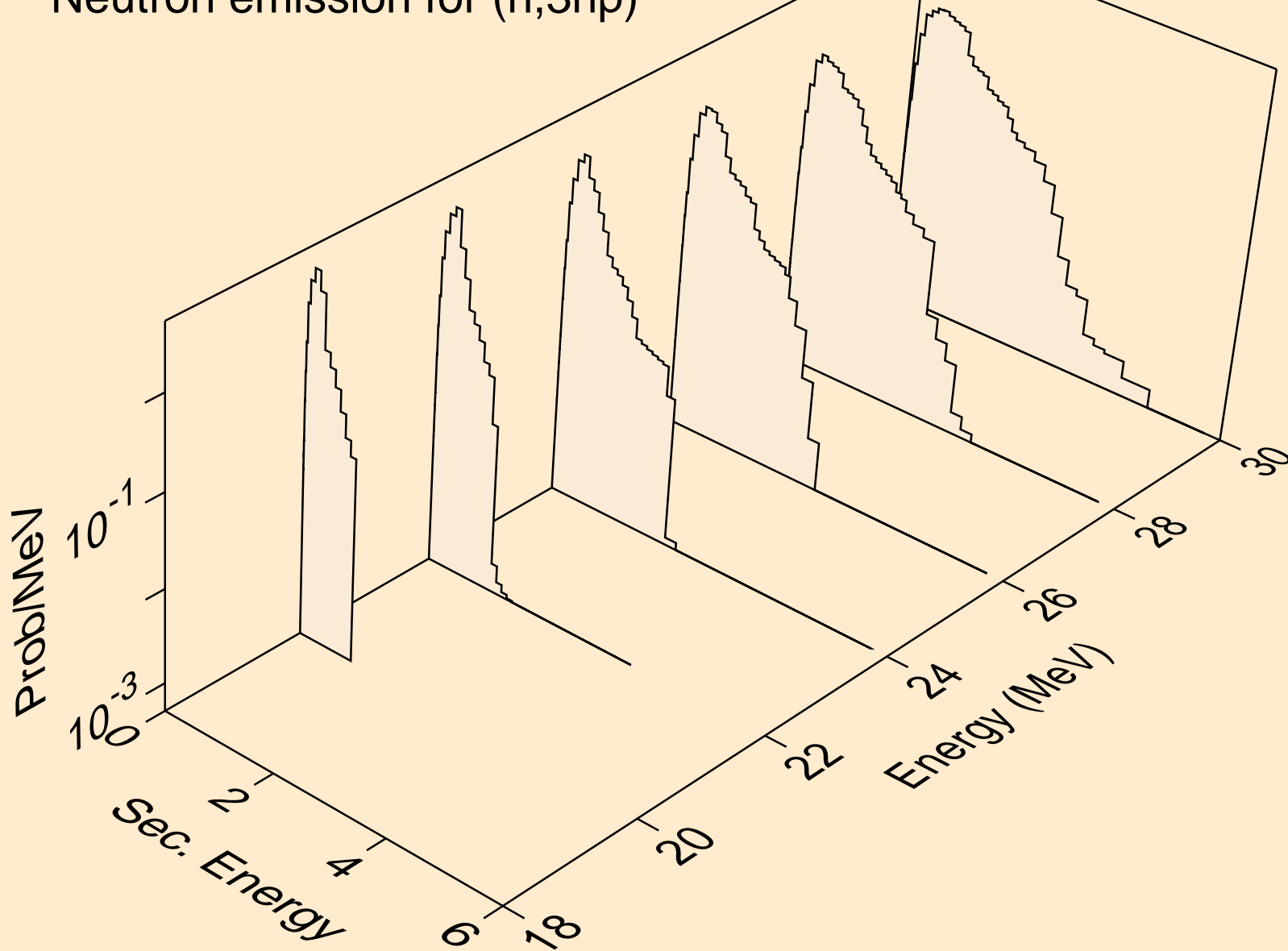




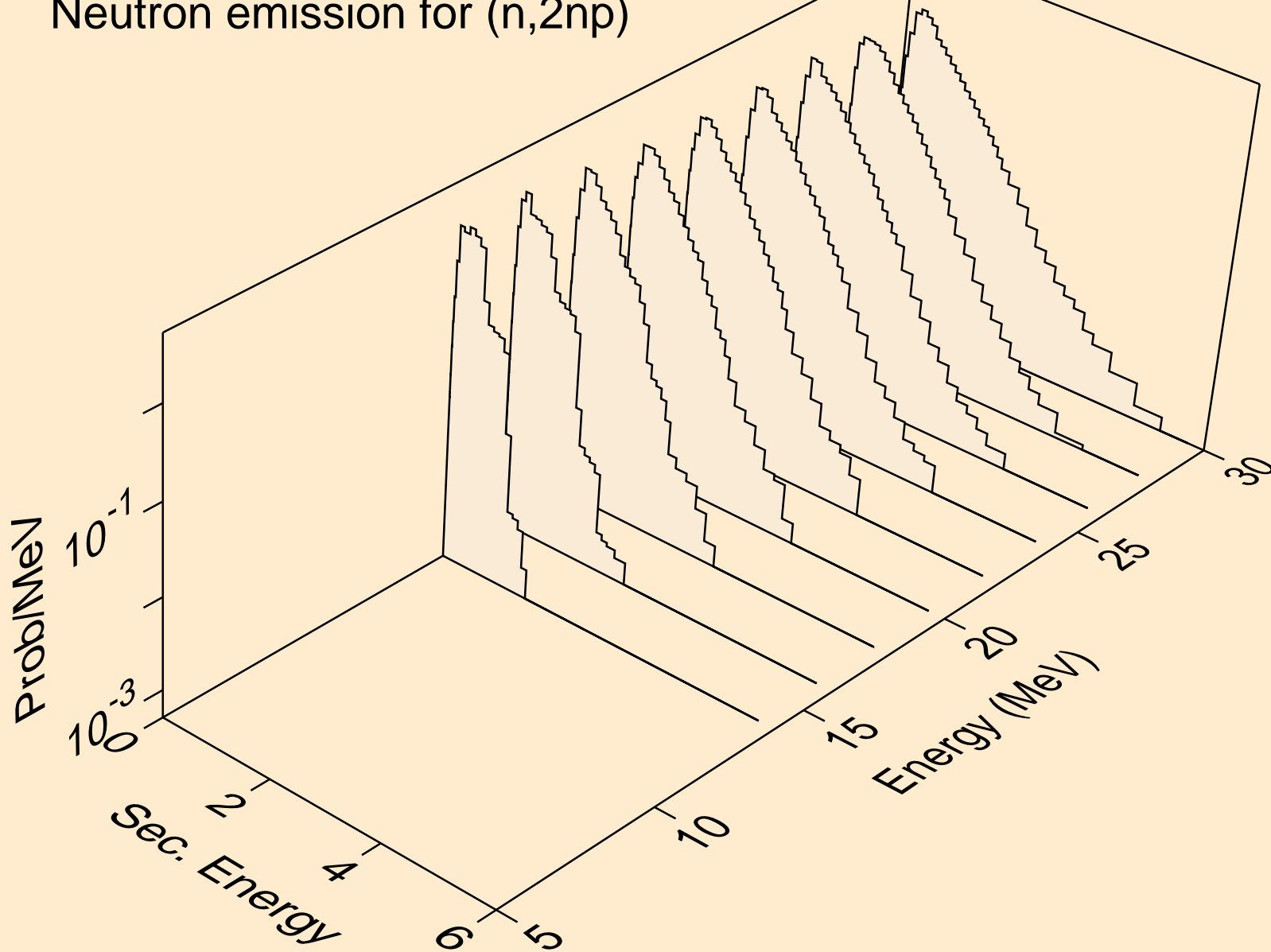
CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2np)



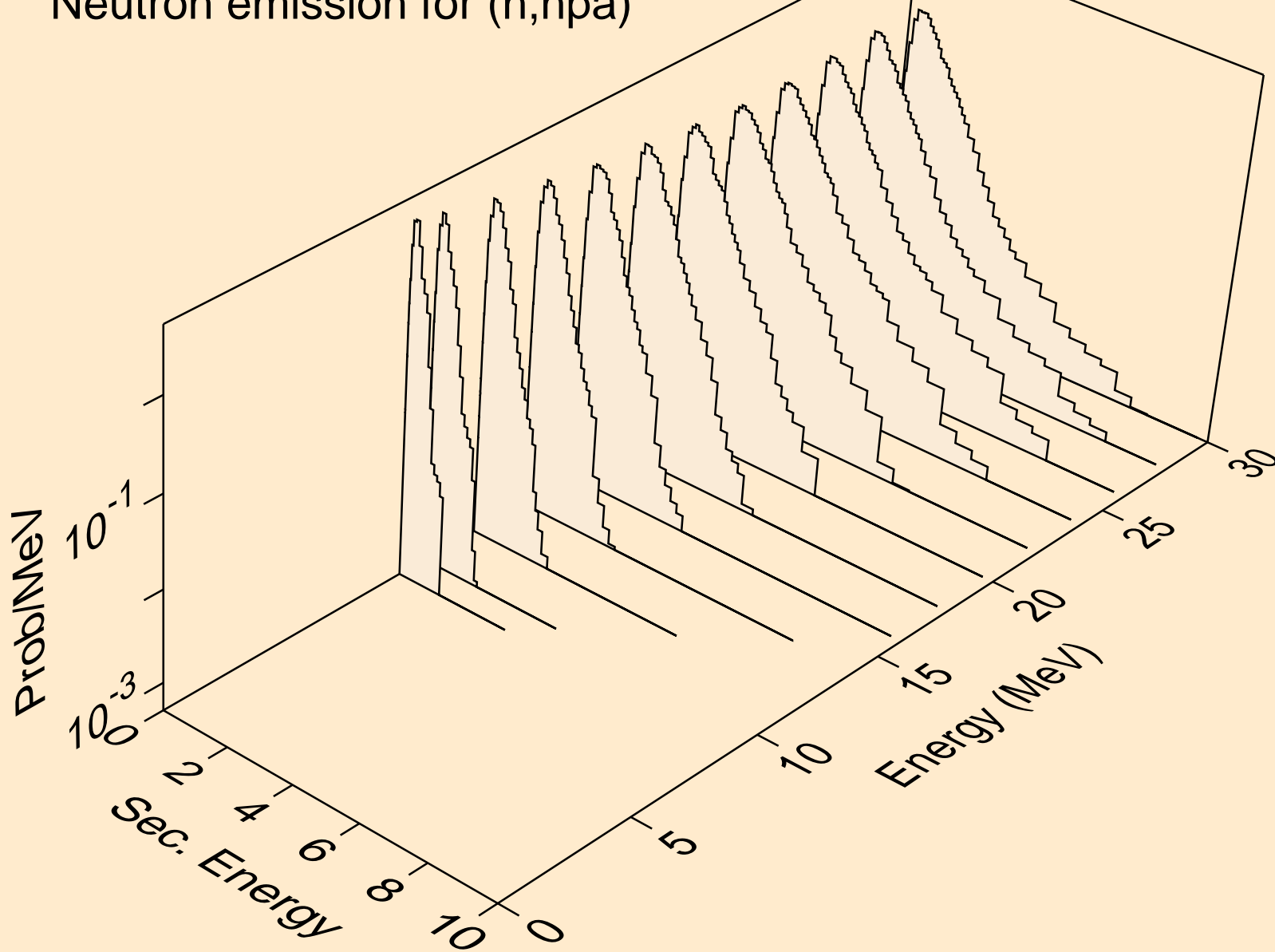
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Neutron emission for (n,3np)



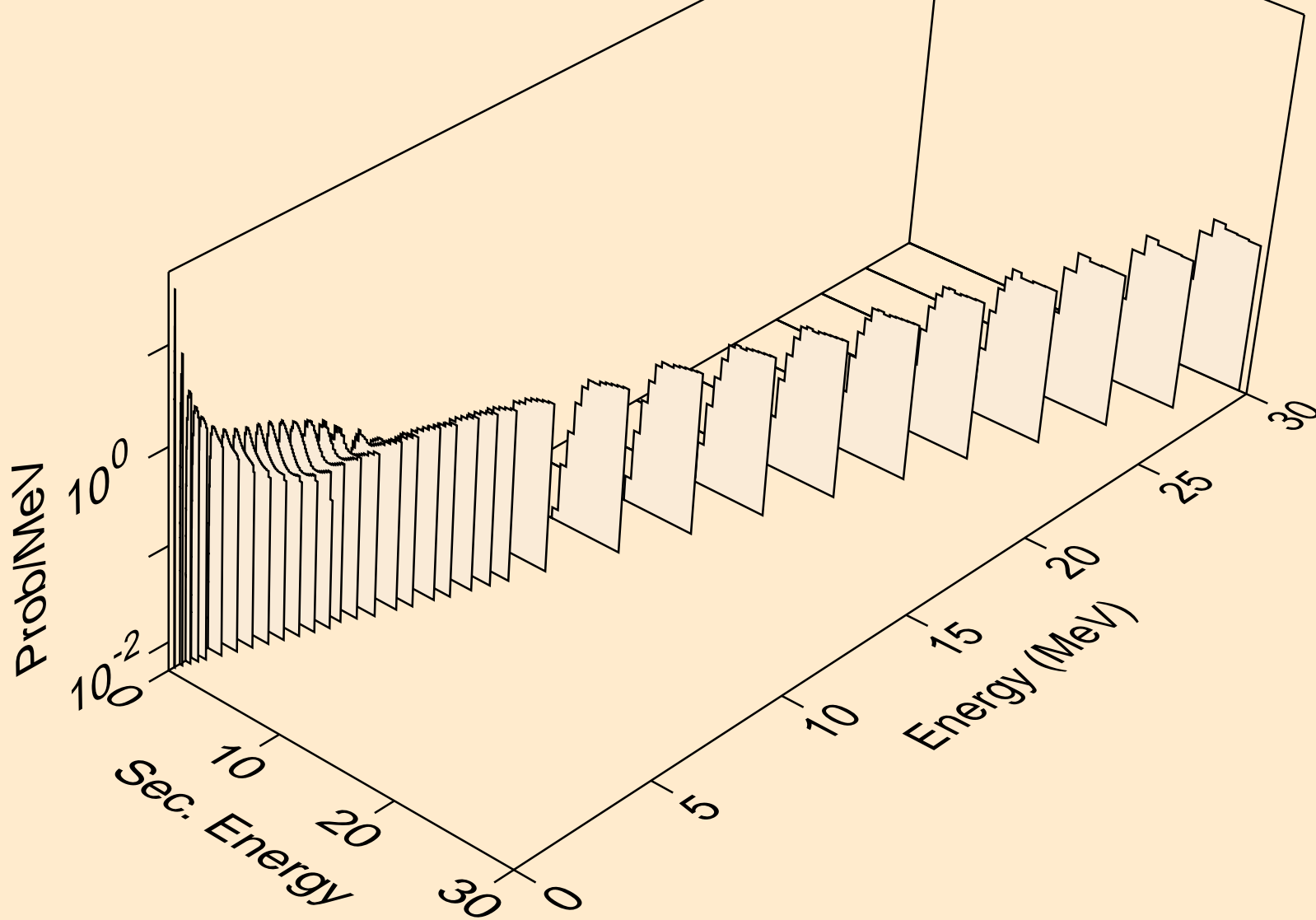
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Neutron emission for (n,2np)



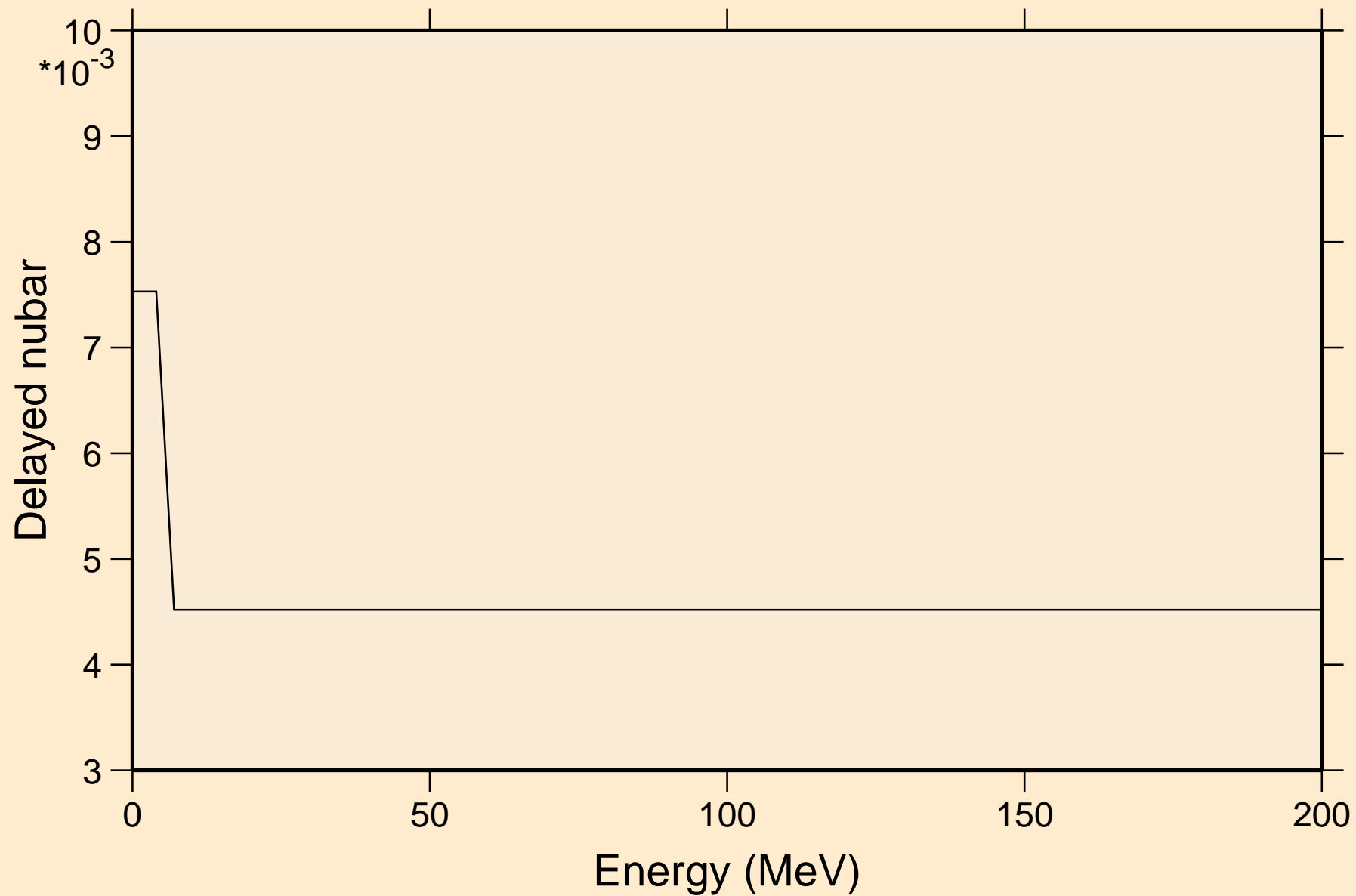
CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,npa)



CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*c)

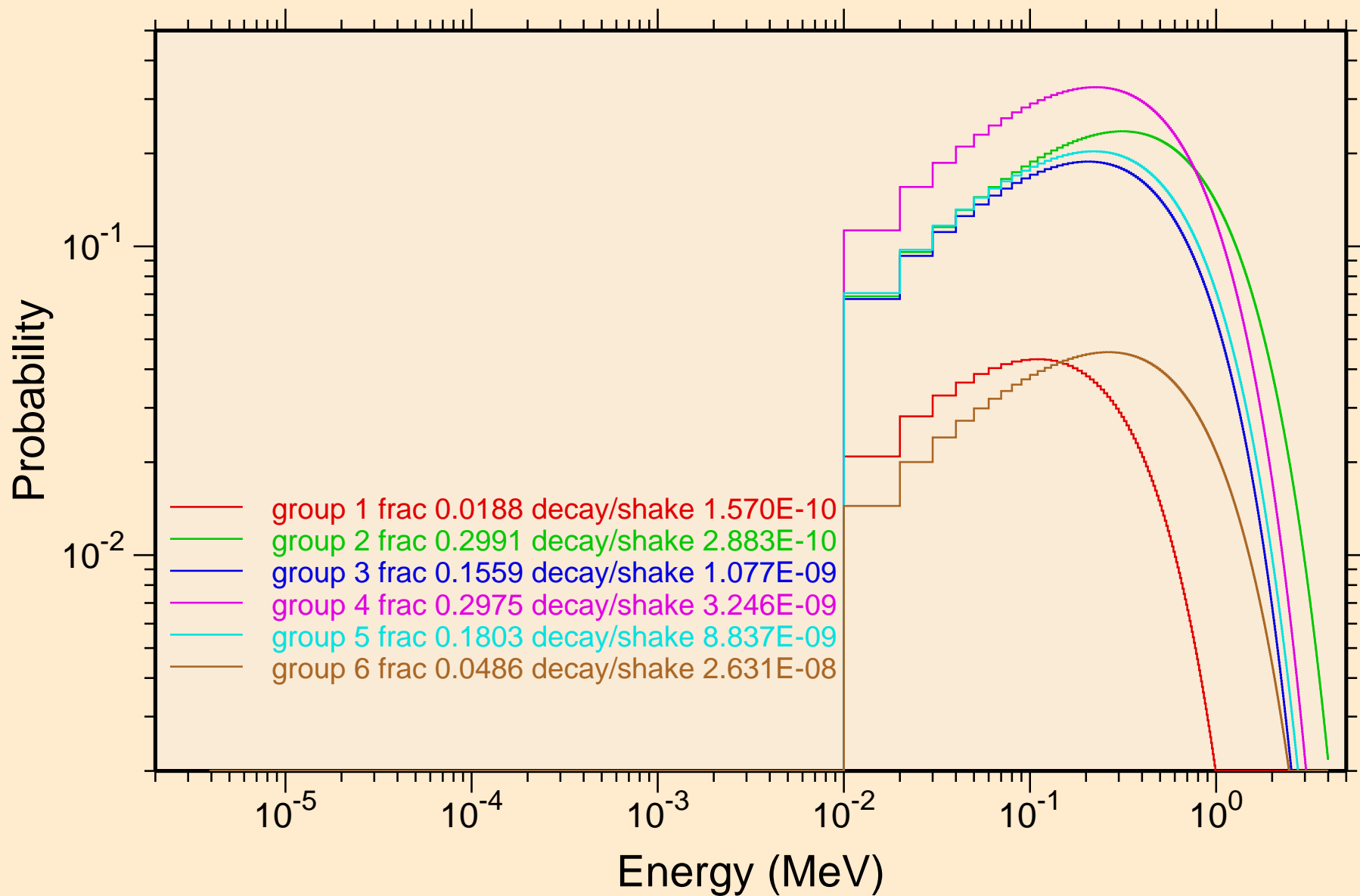


CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Delayed nubar

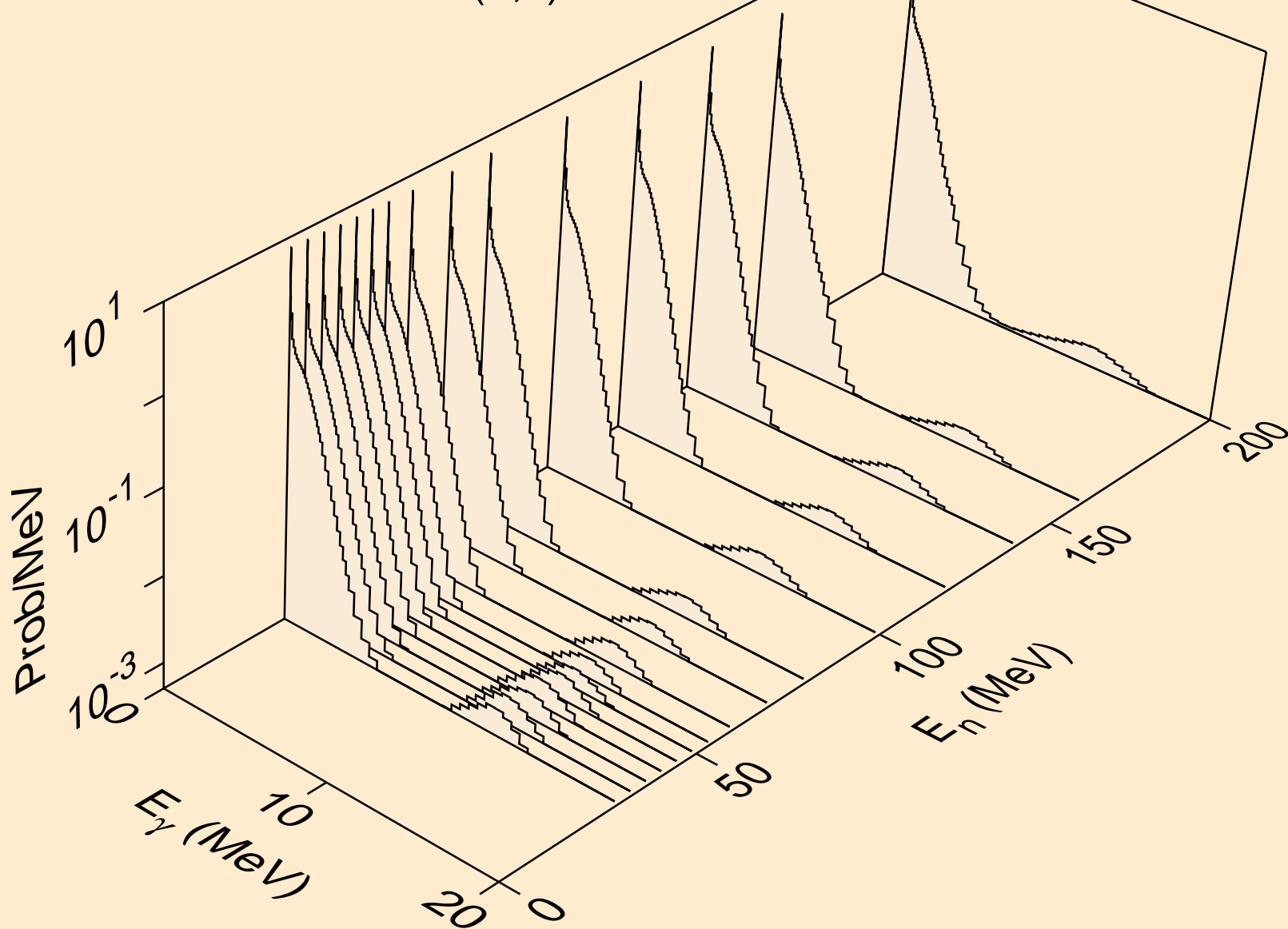


# CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Delayed neutron spectra

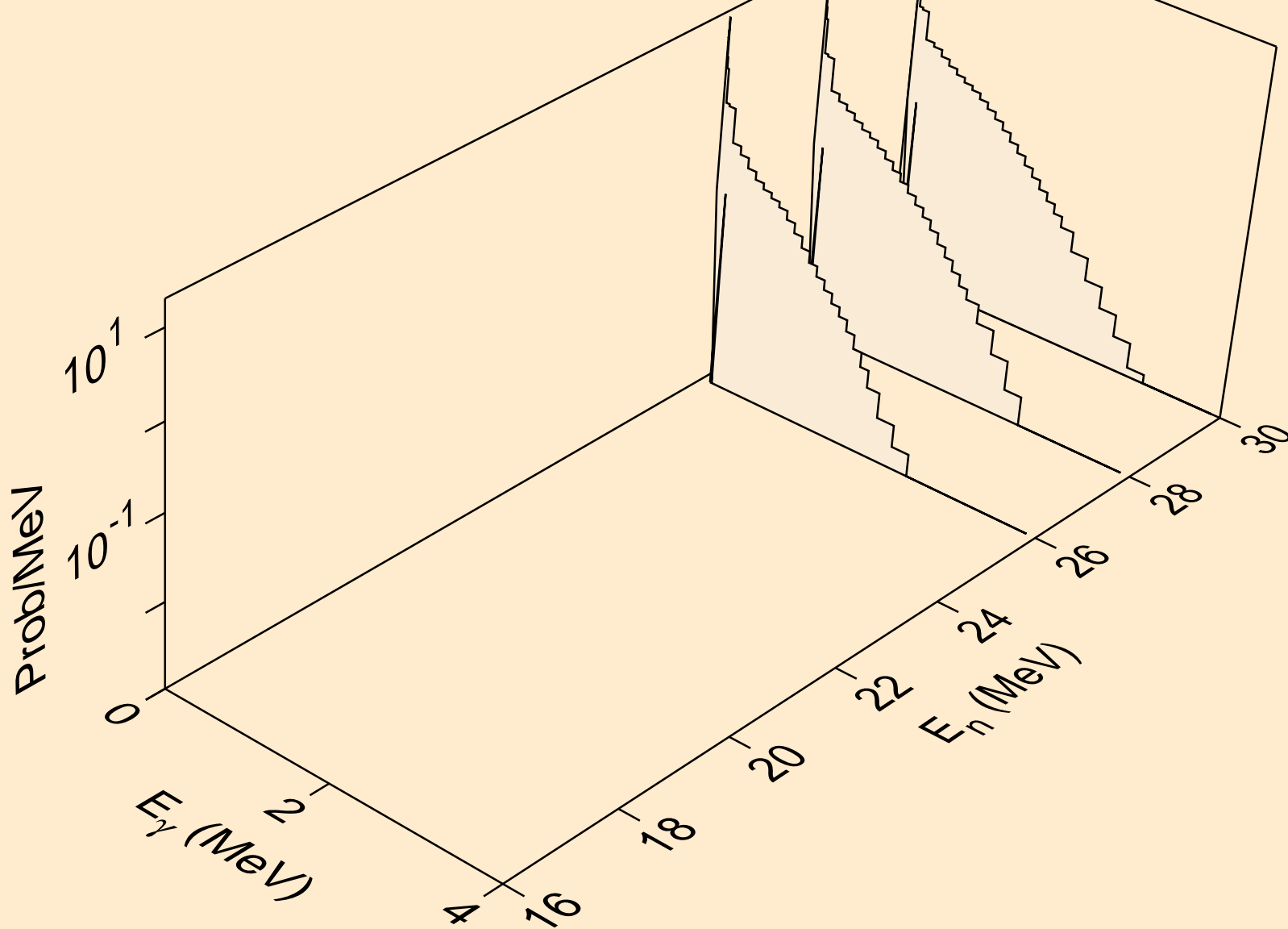


CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,x)

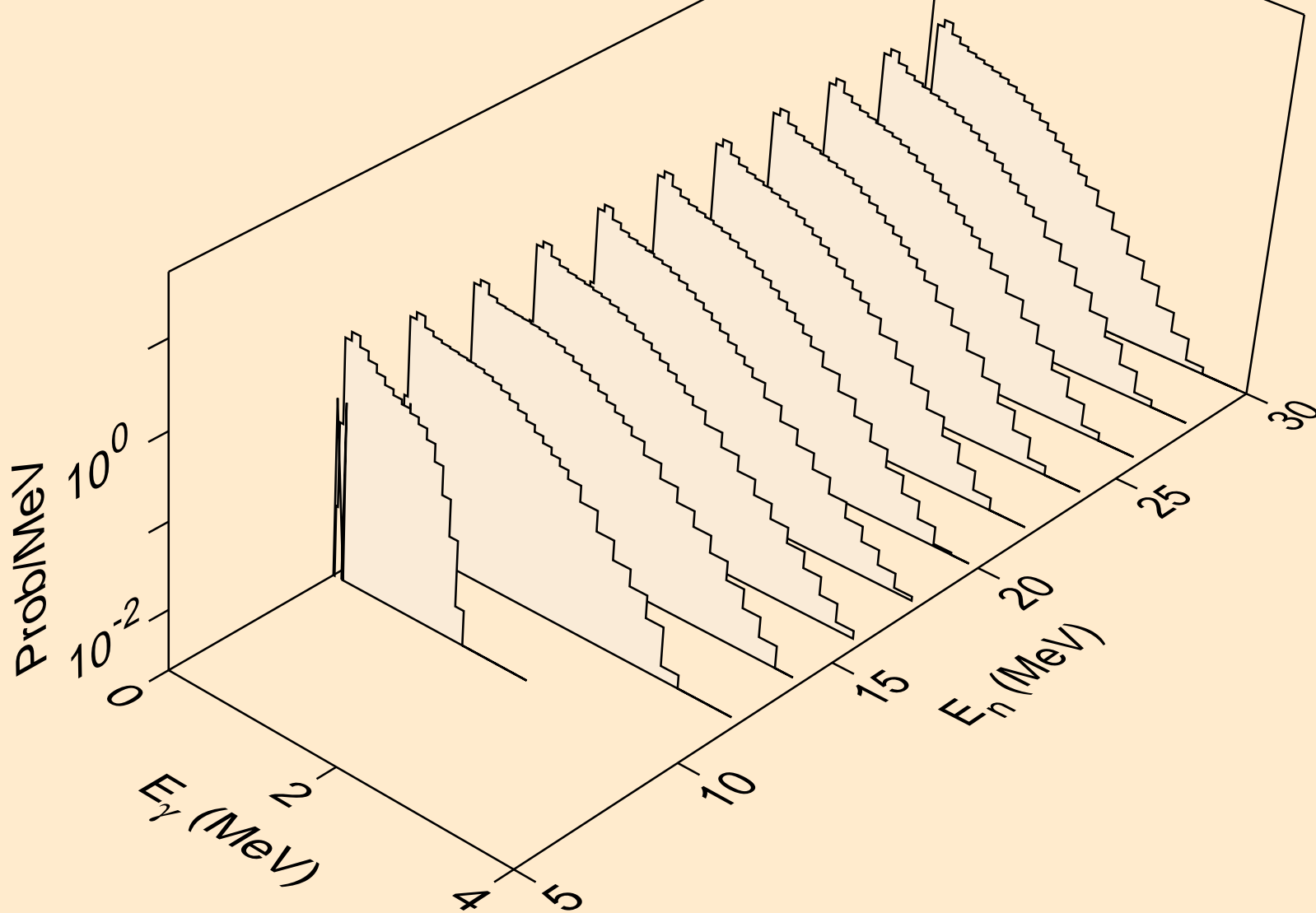




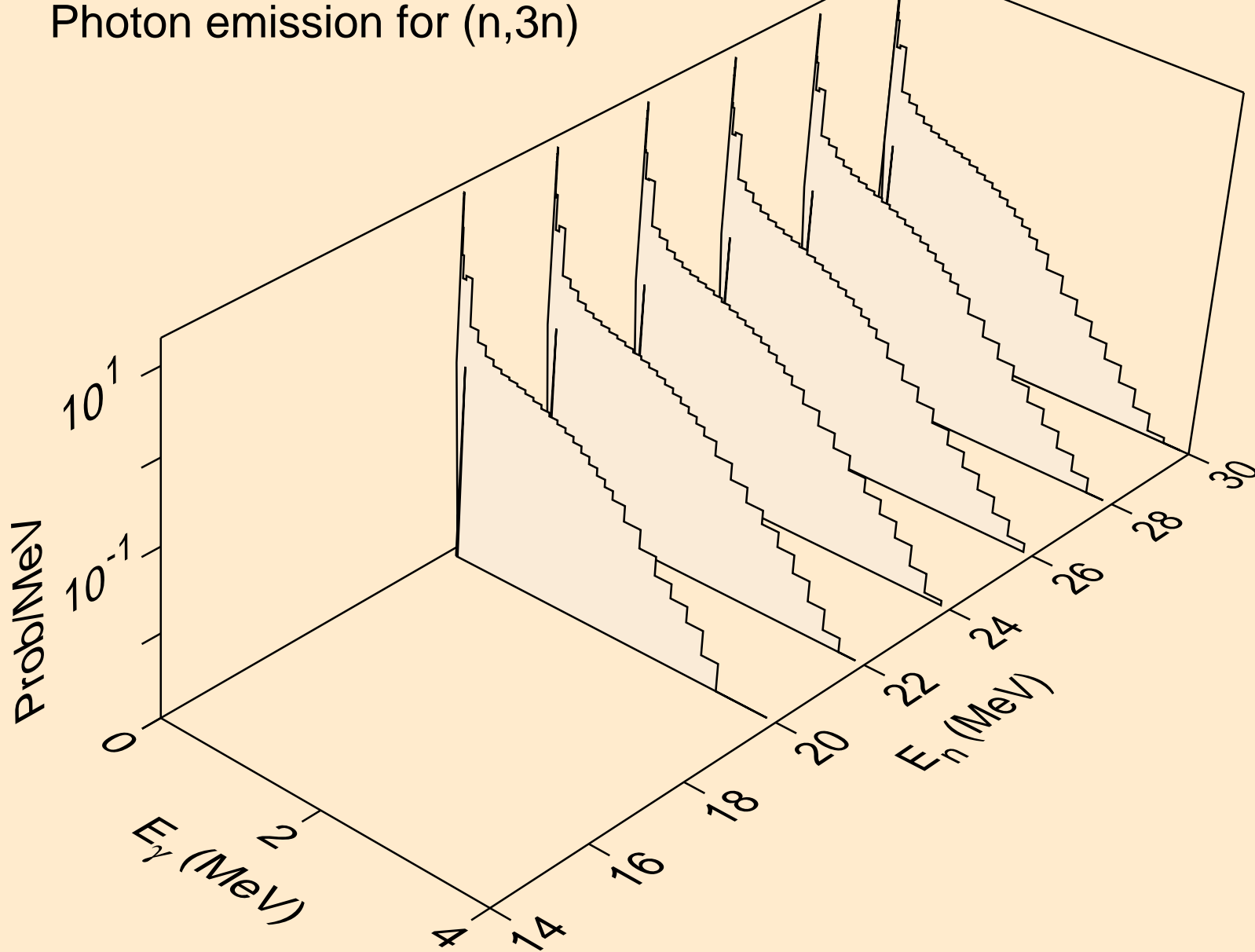
CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2nd)



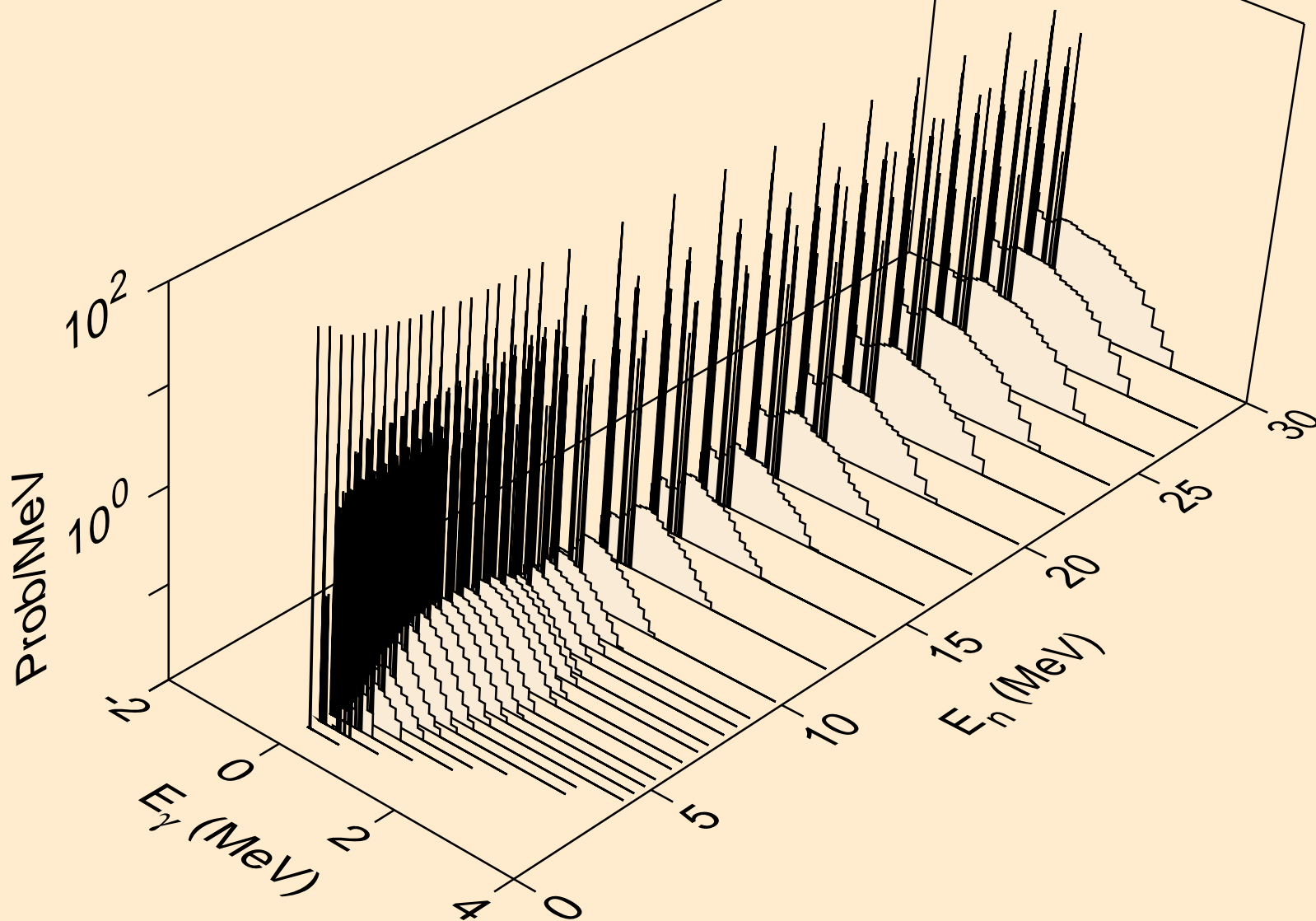
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Photon emission for (n,2n)



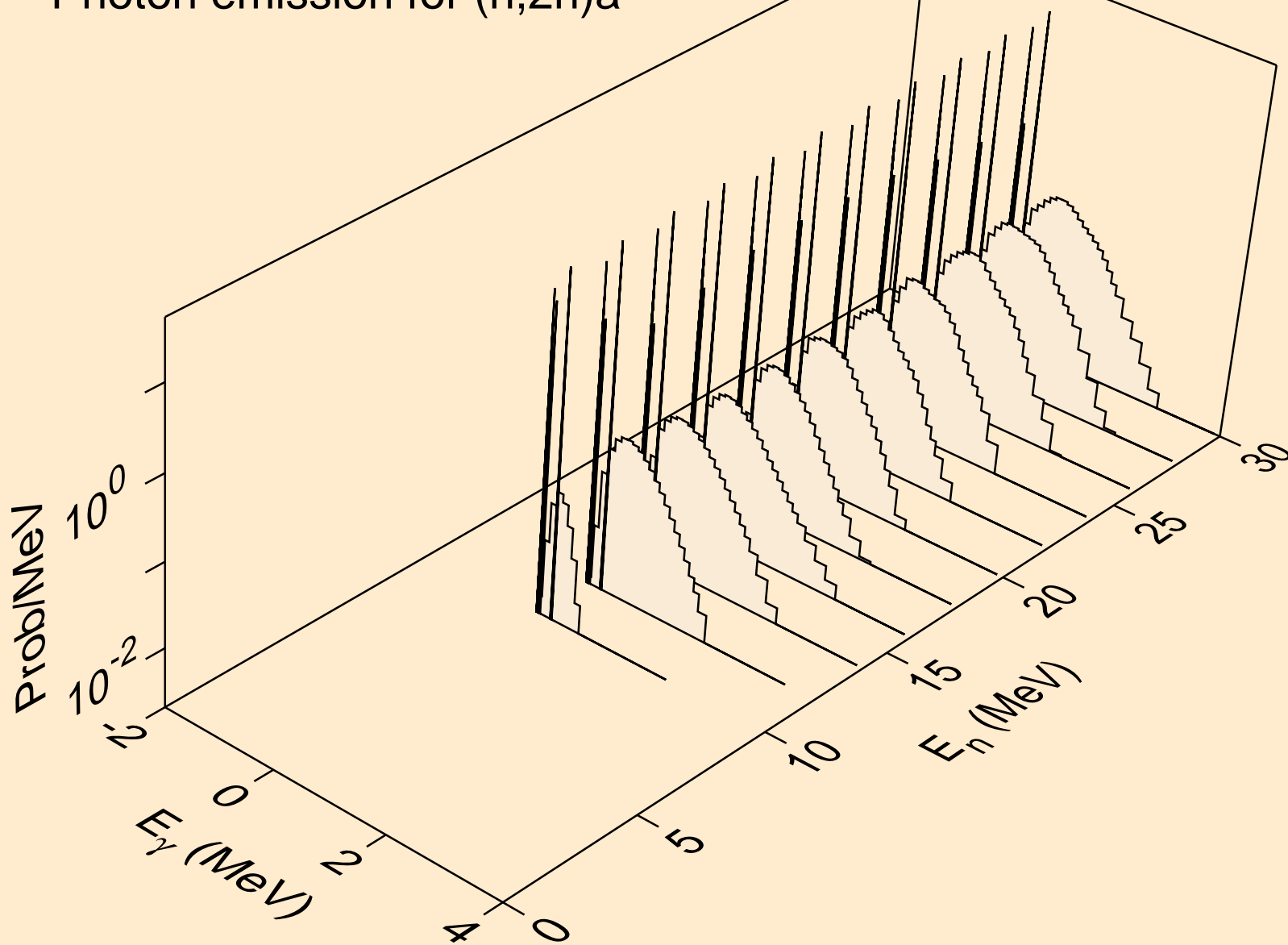
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Photon emission for (n,3n)



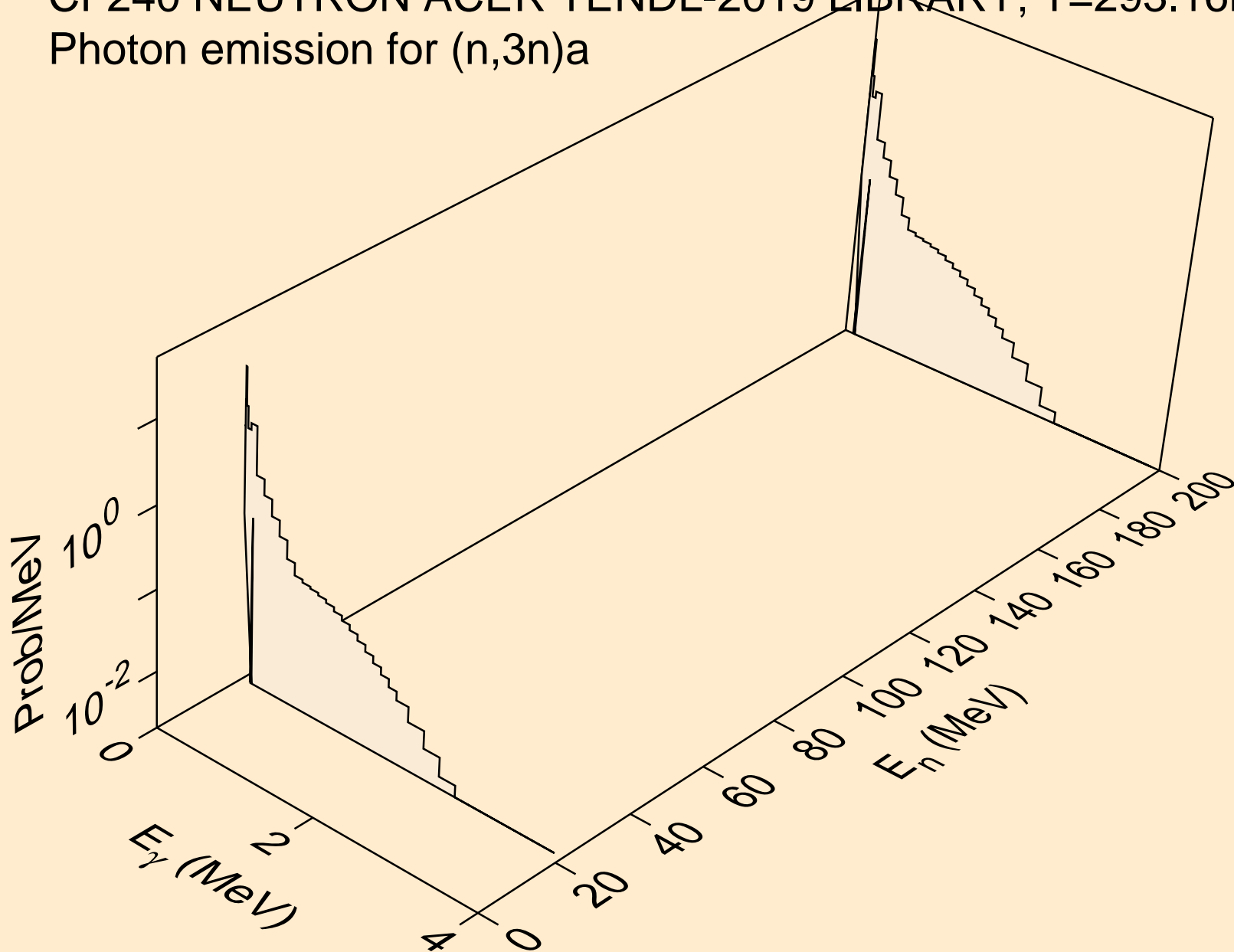
CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)a



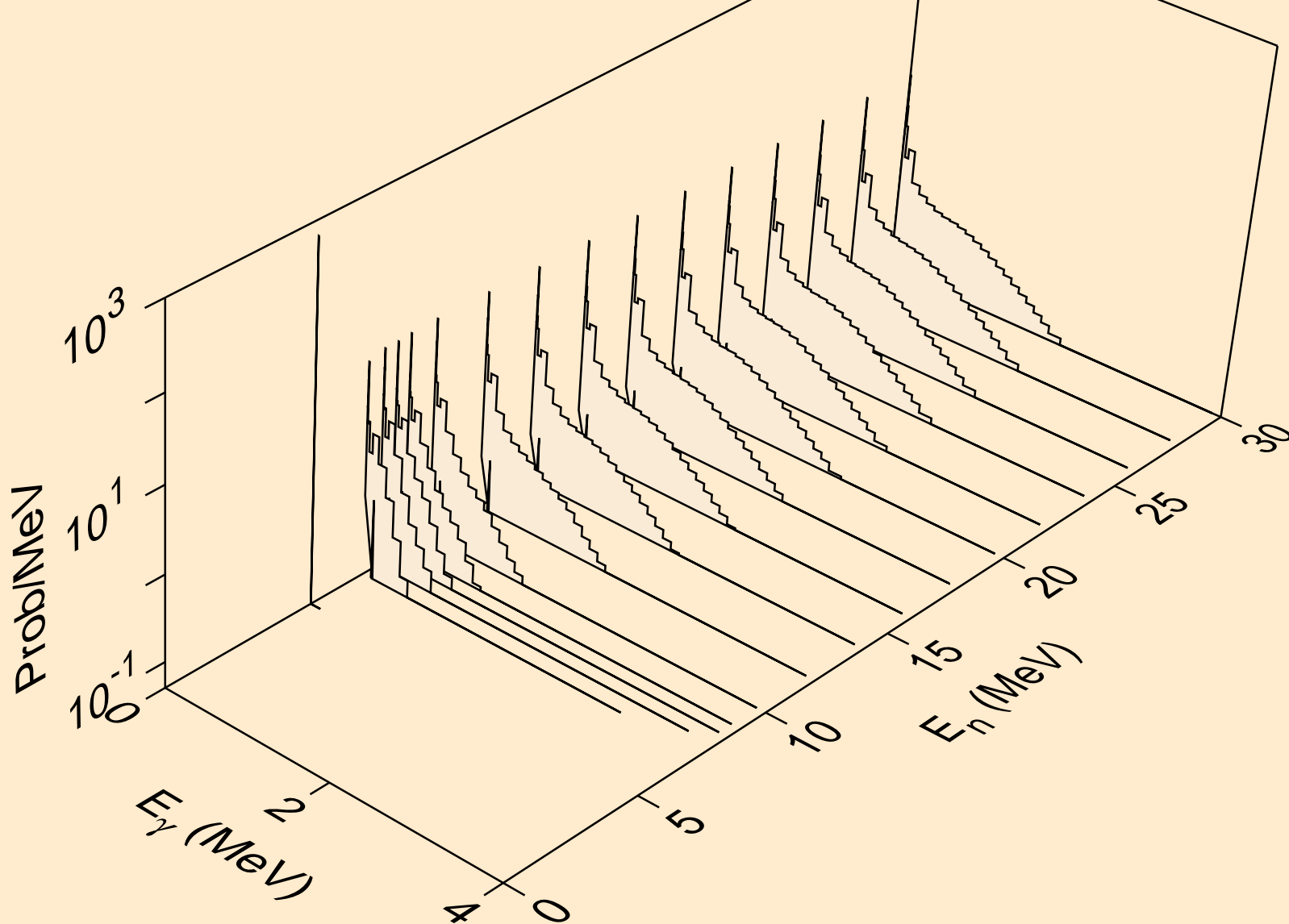
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Photon emission for (n,2n) $\alpha$



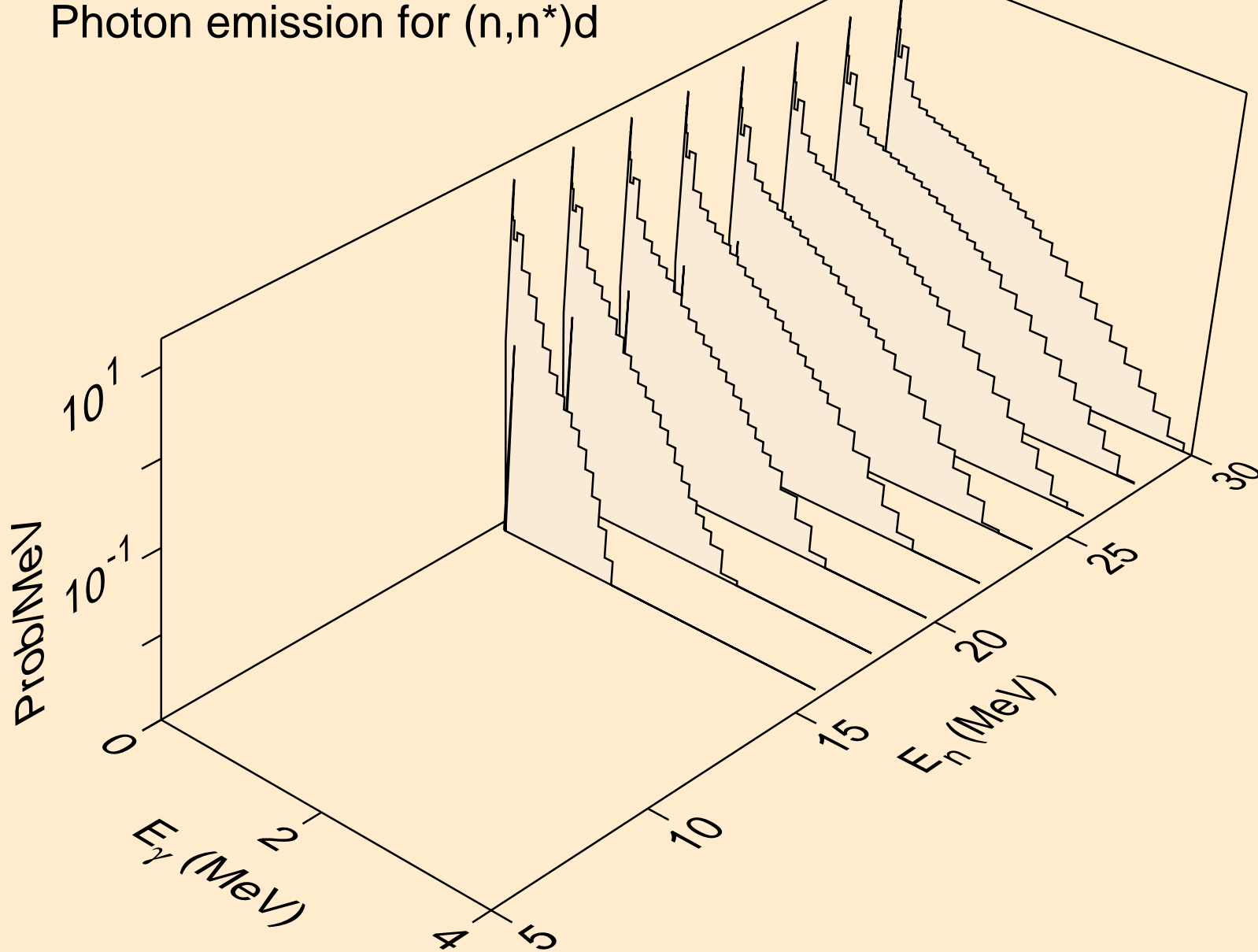
CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3n)a



CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)p

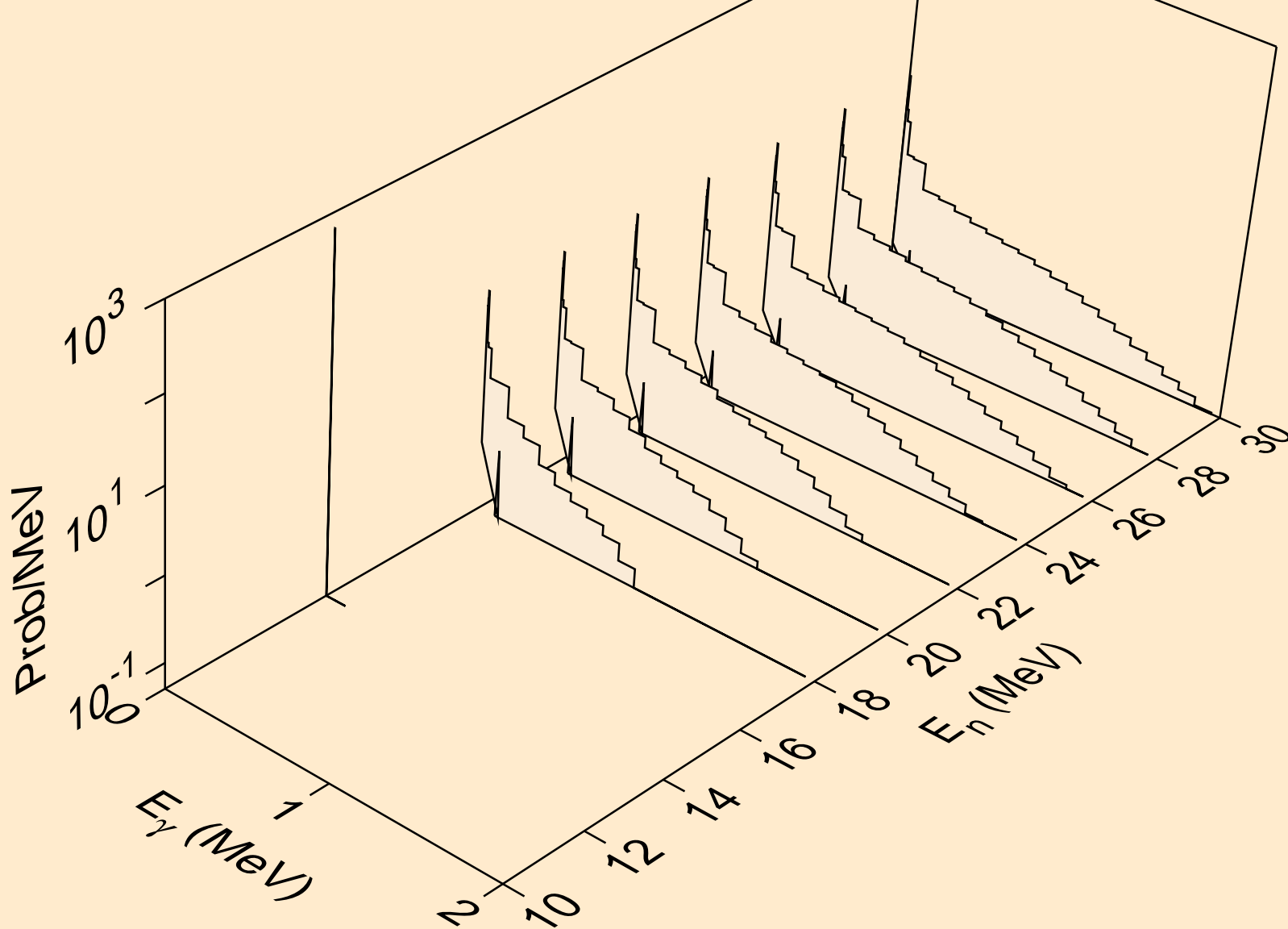


CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)d

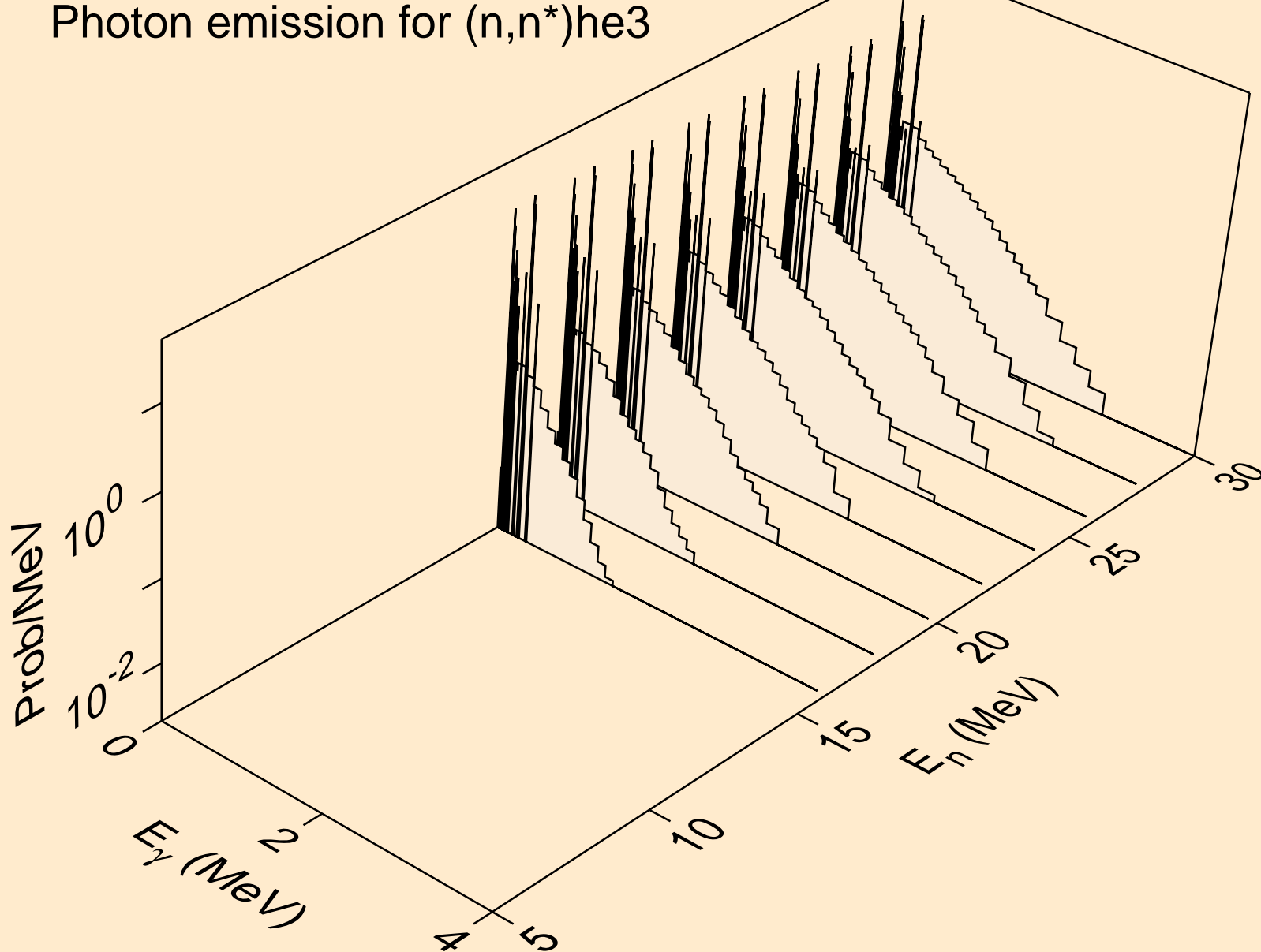




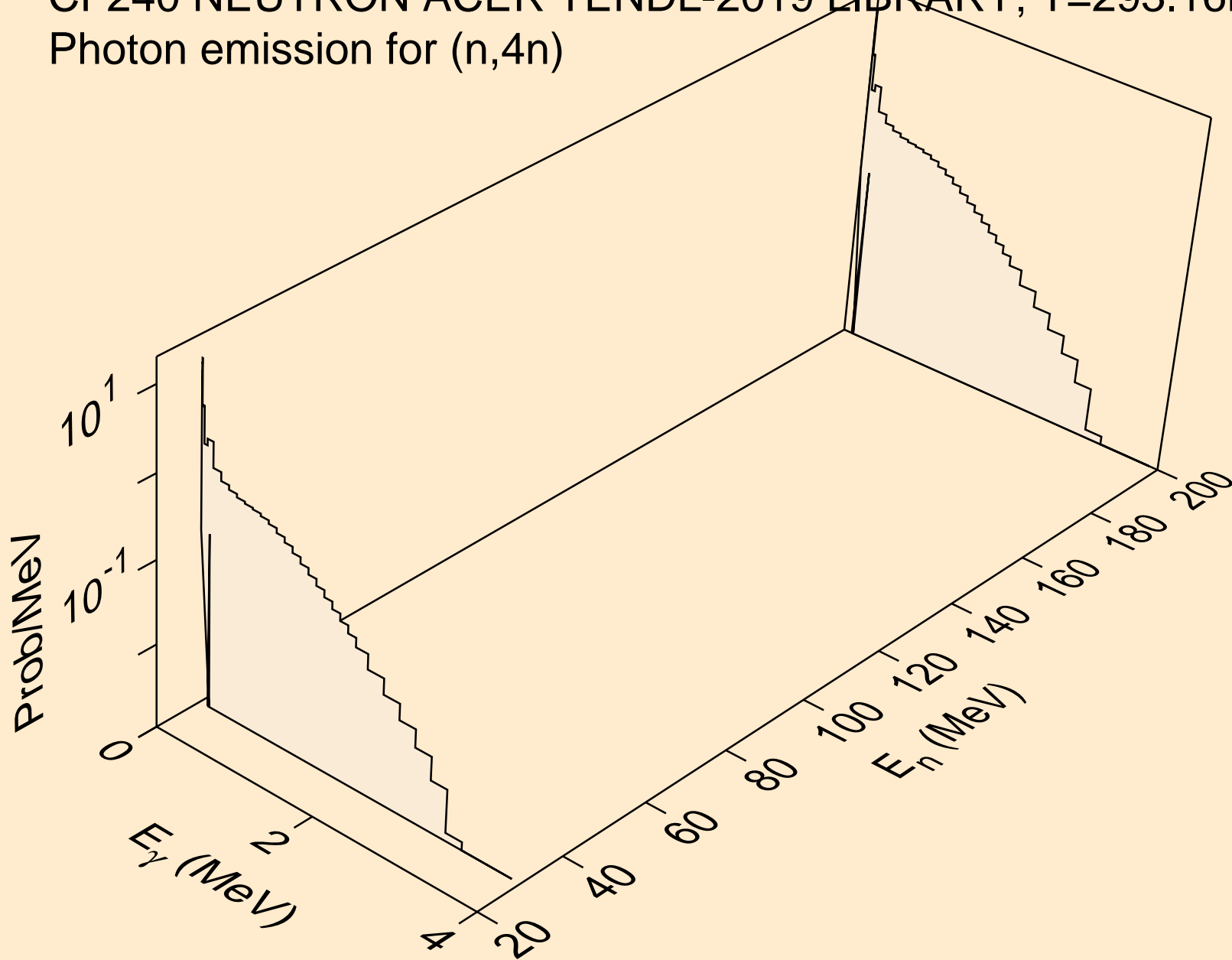
CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)t



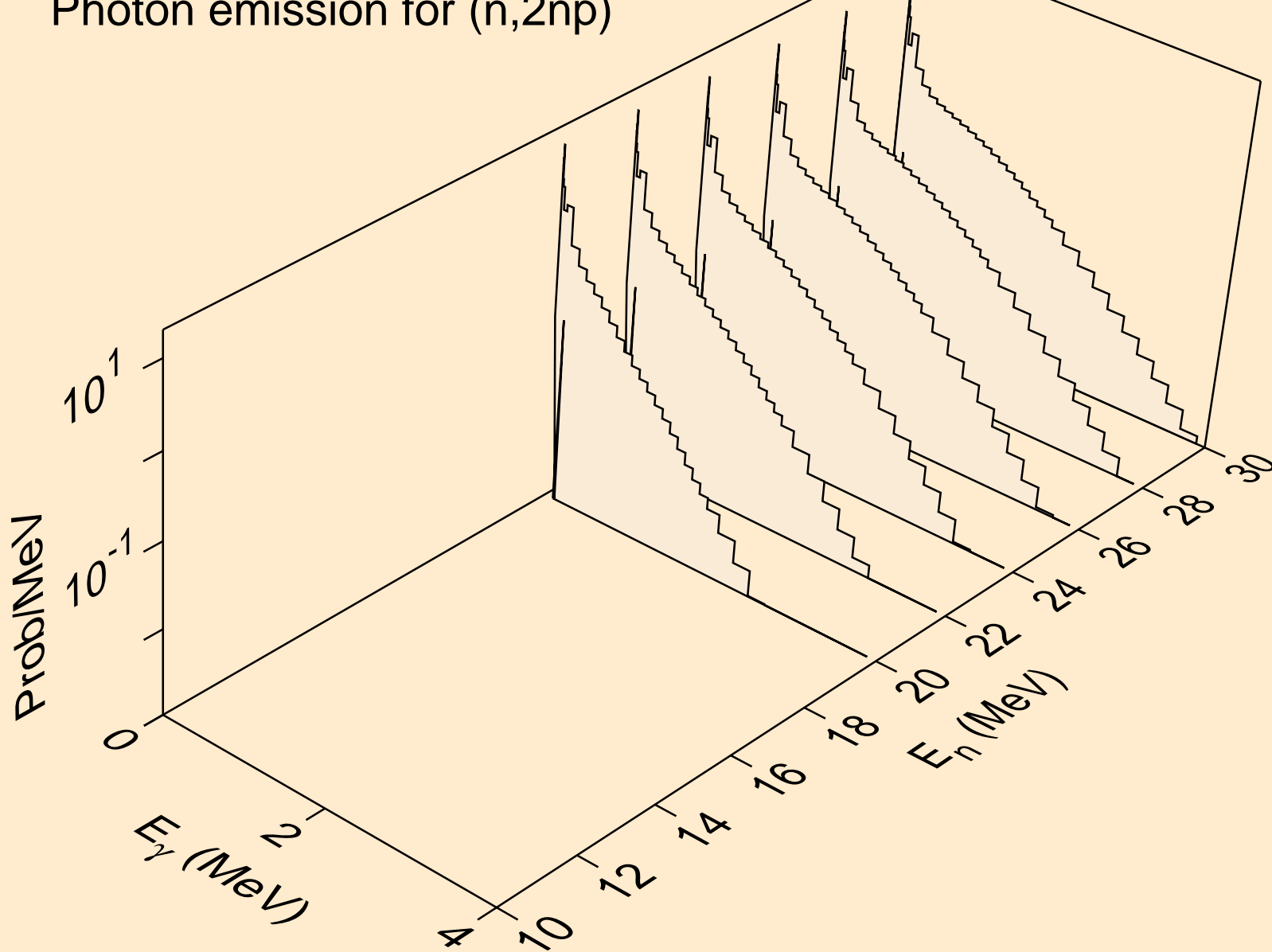
CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)he3



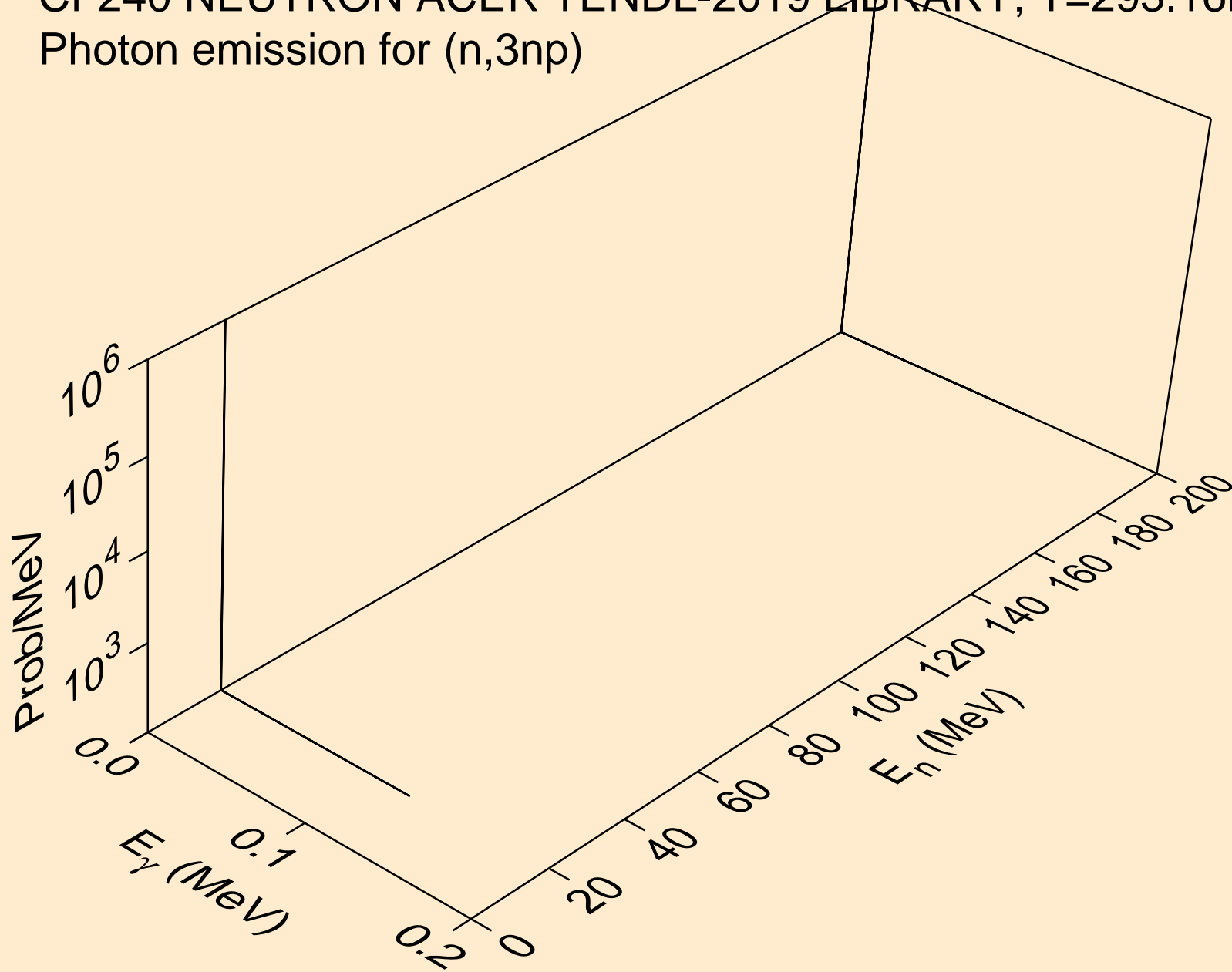
CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,4n)



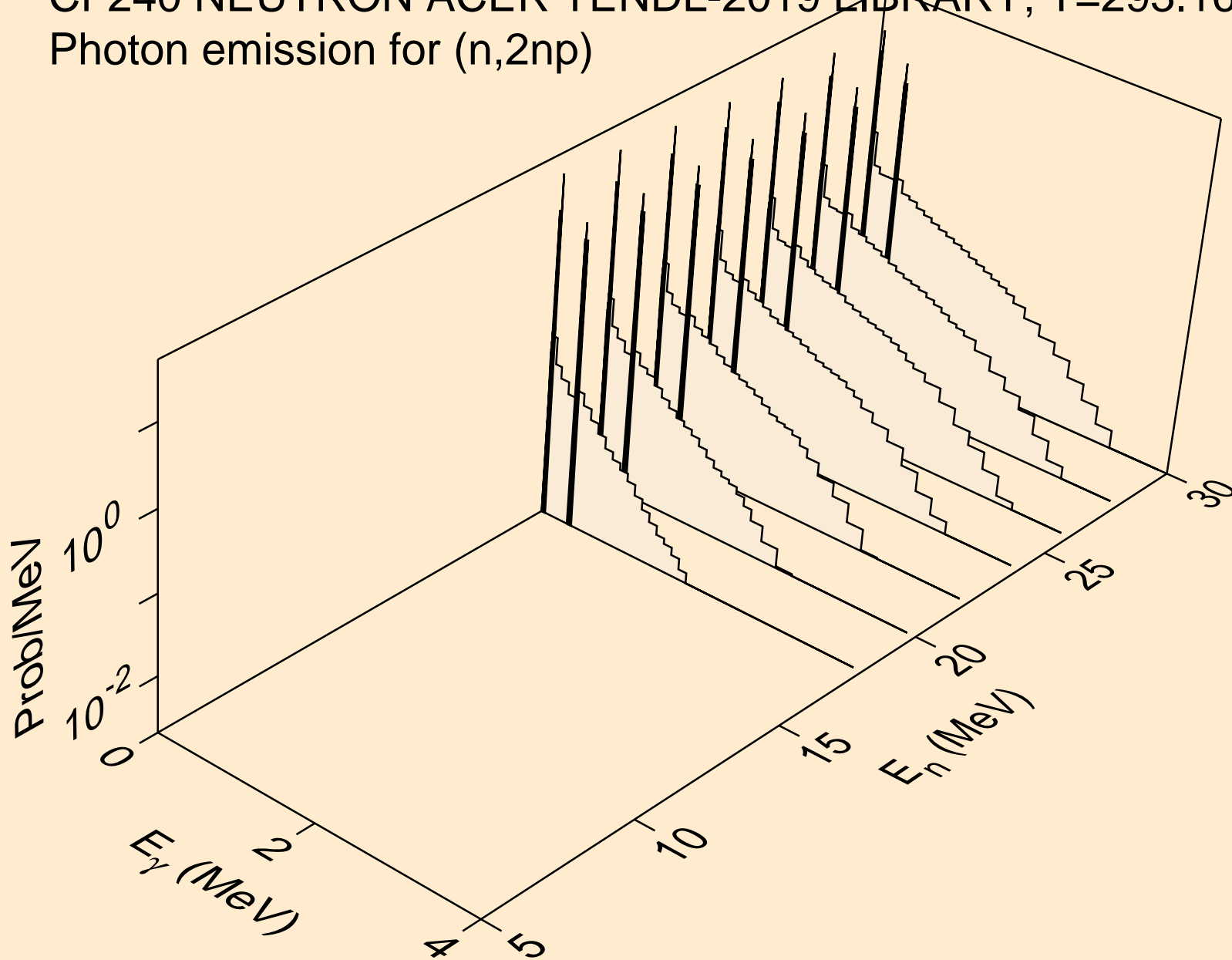
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Photon emission for (n,2np)



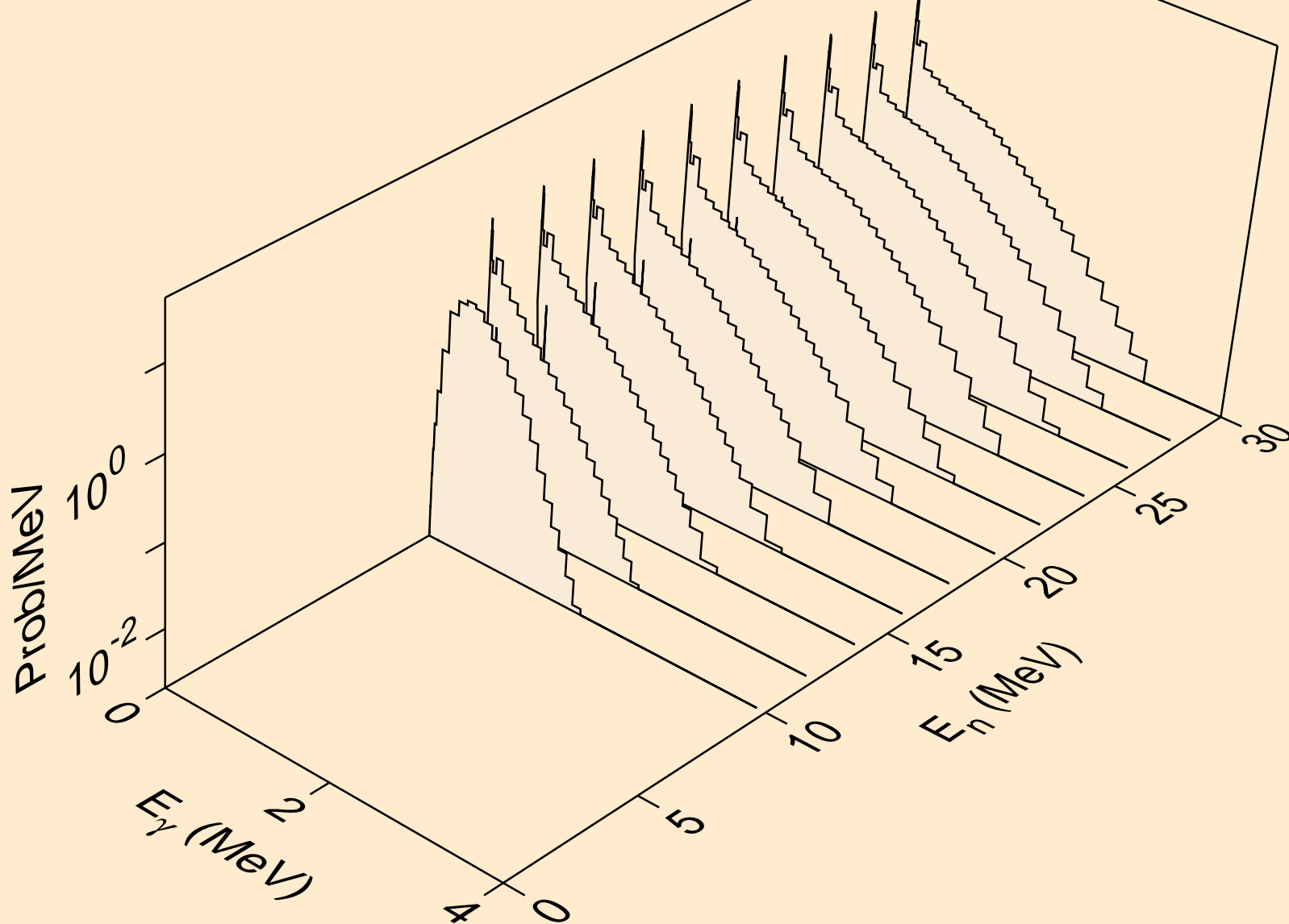
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Photon emission for (n,3np)



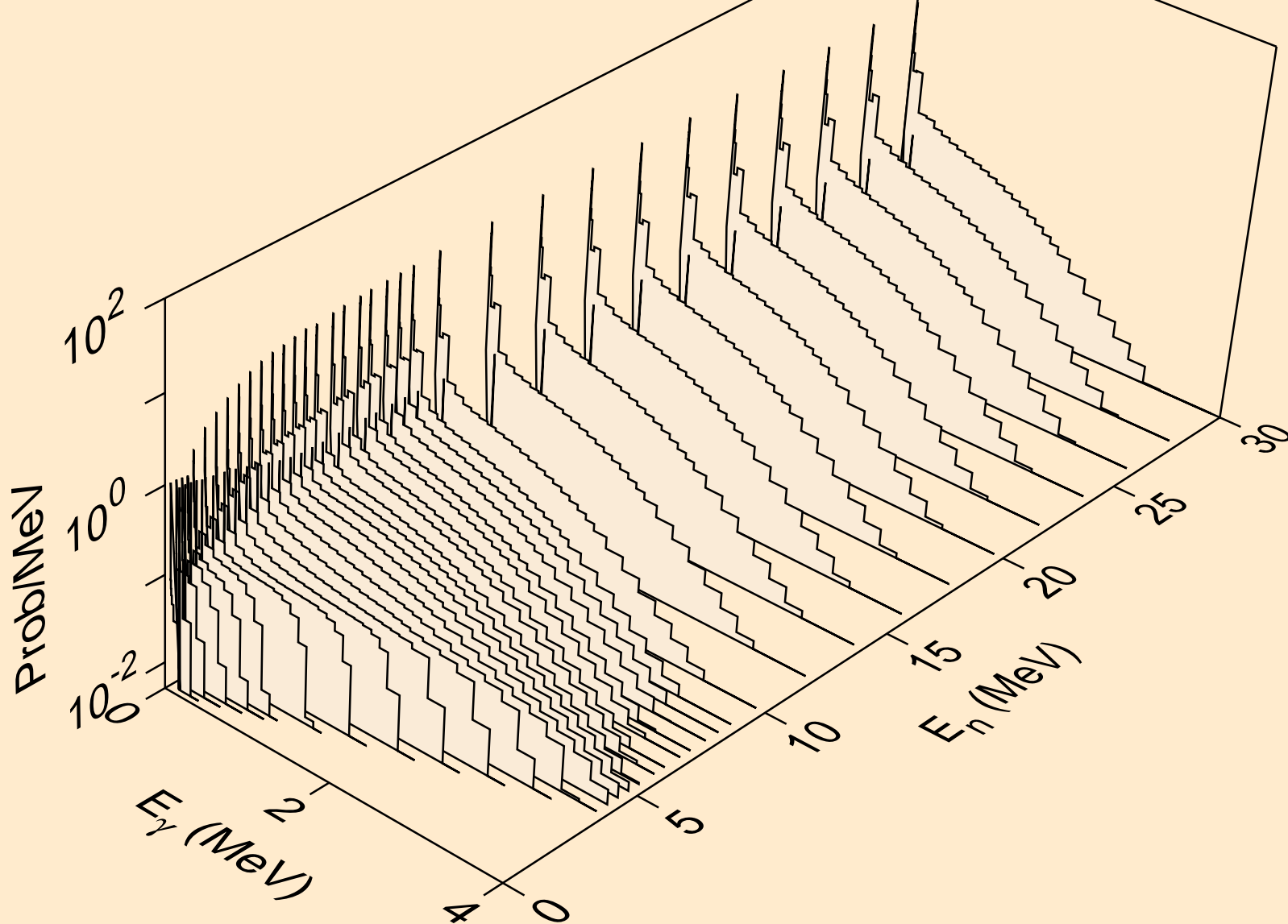
CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2np)



CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,npa)

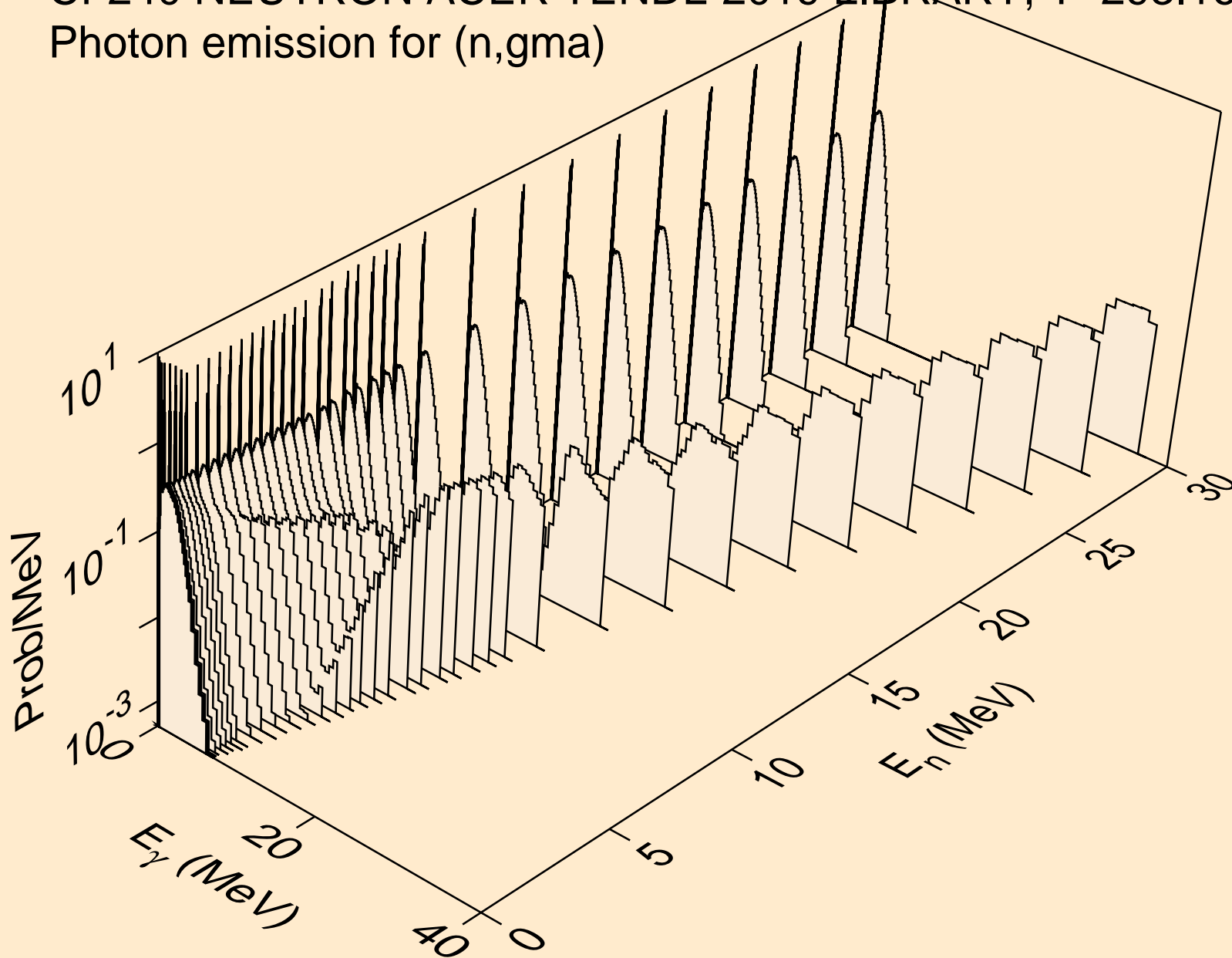


CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*c)

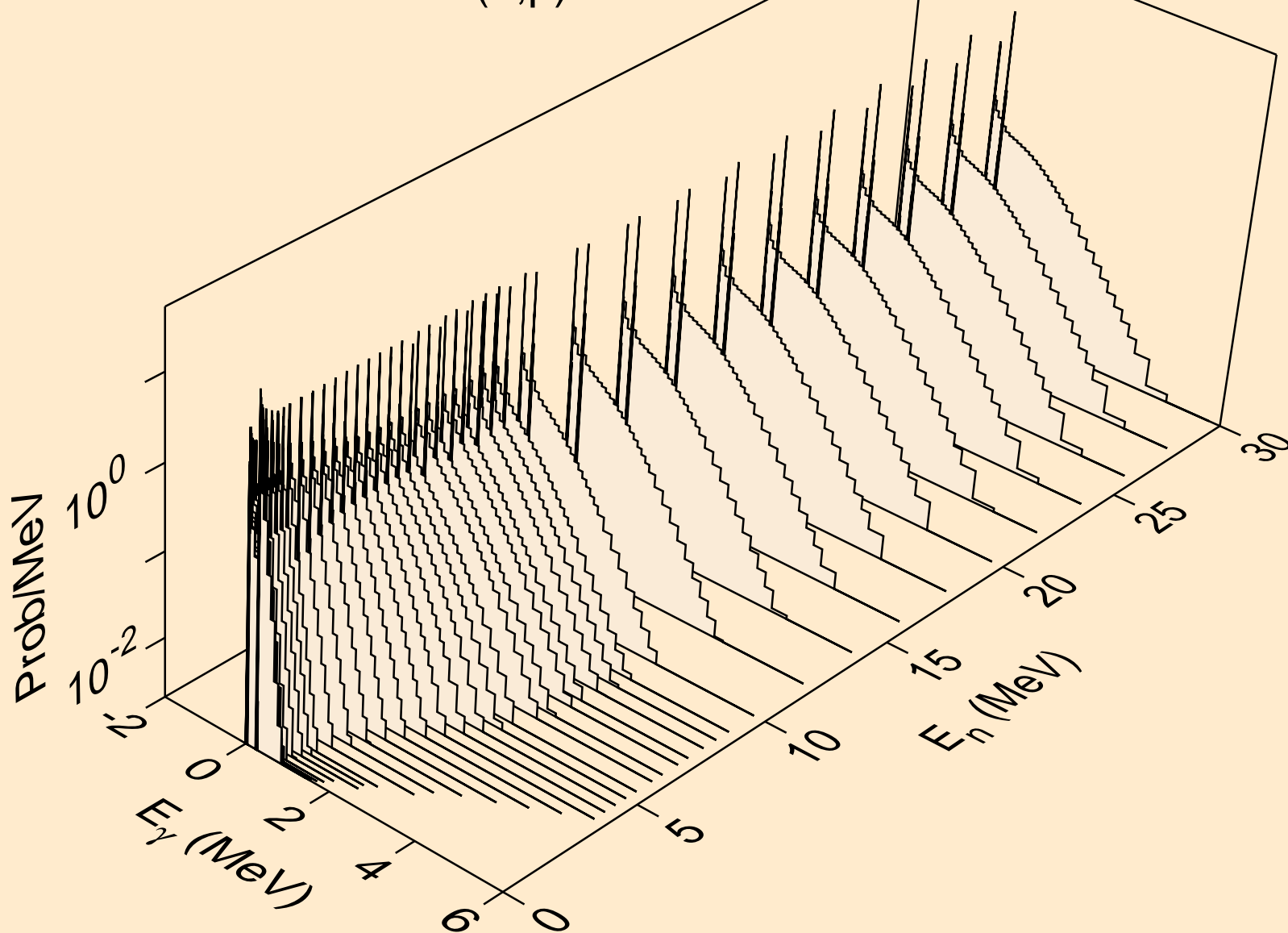




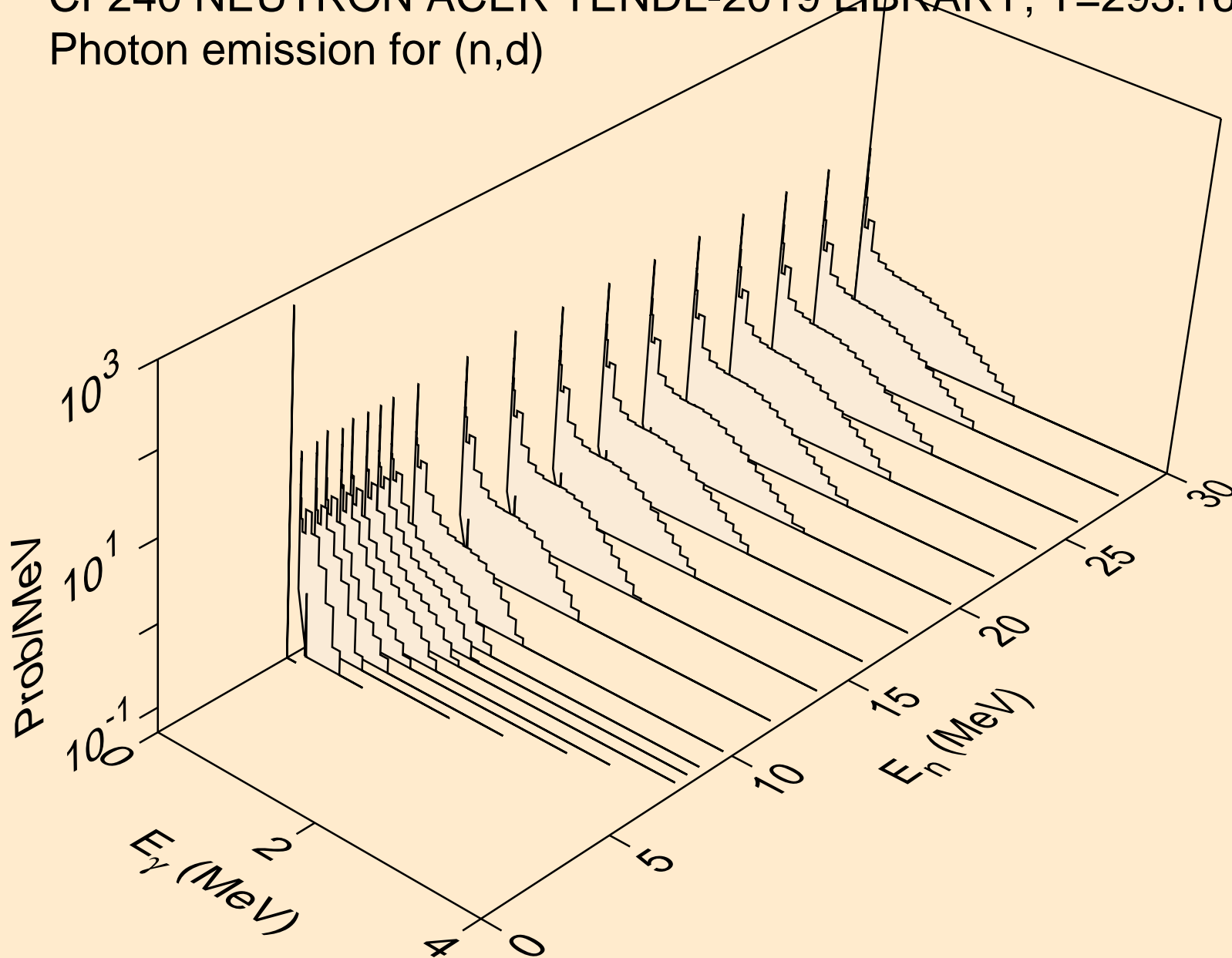
CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,gma)



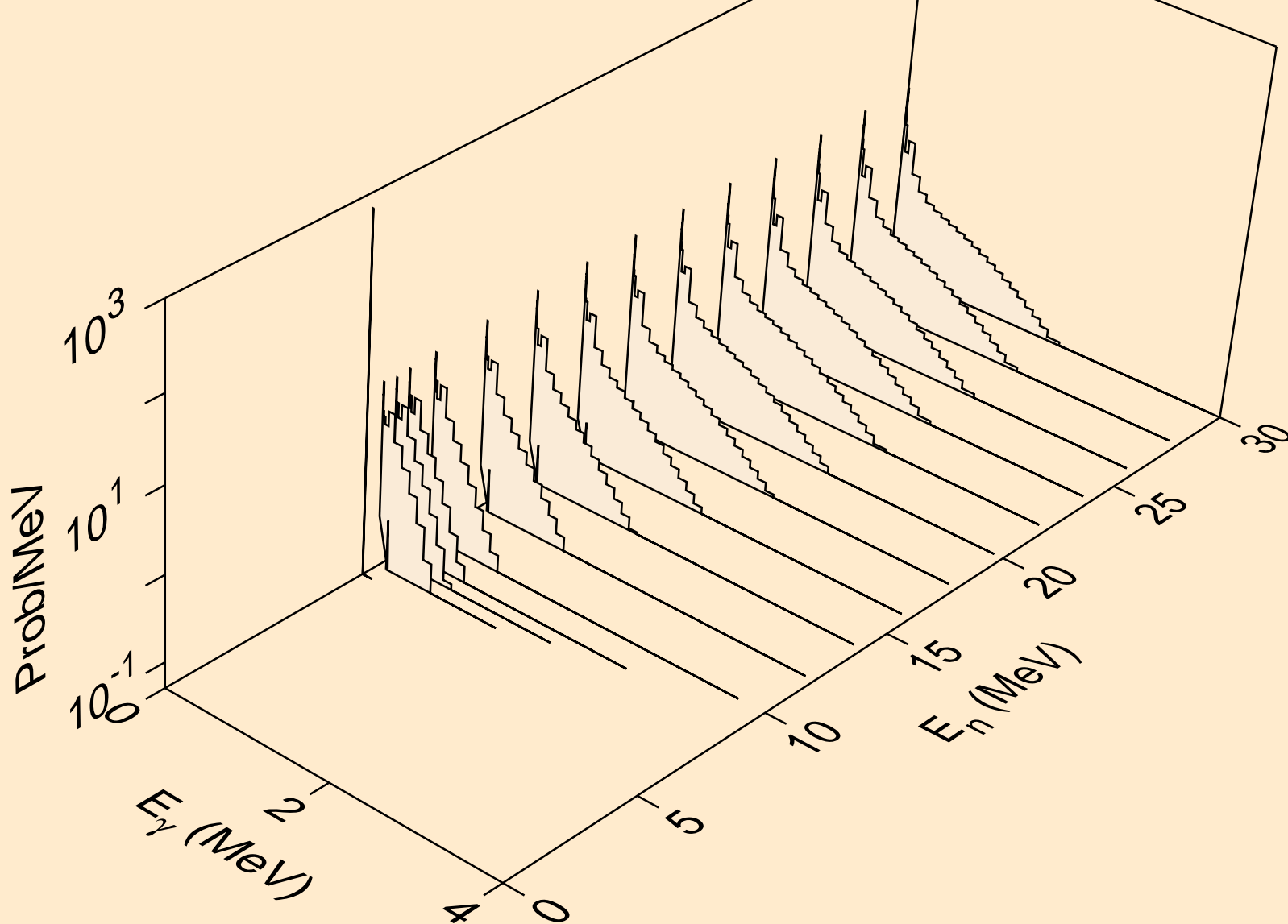
CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,p)



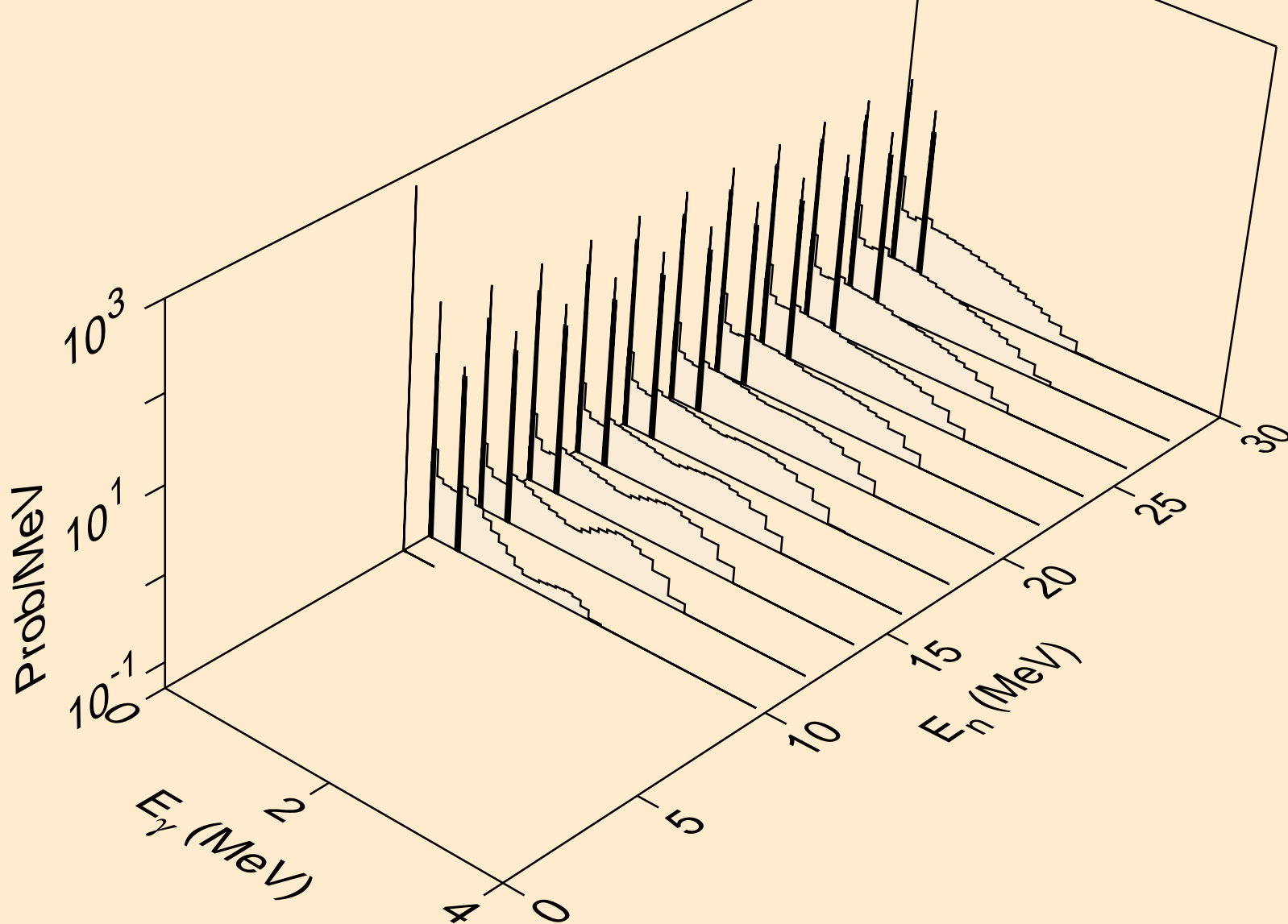
CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,d)



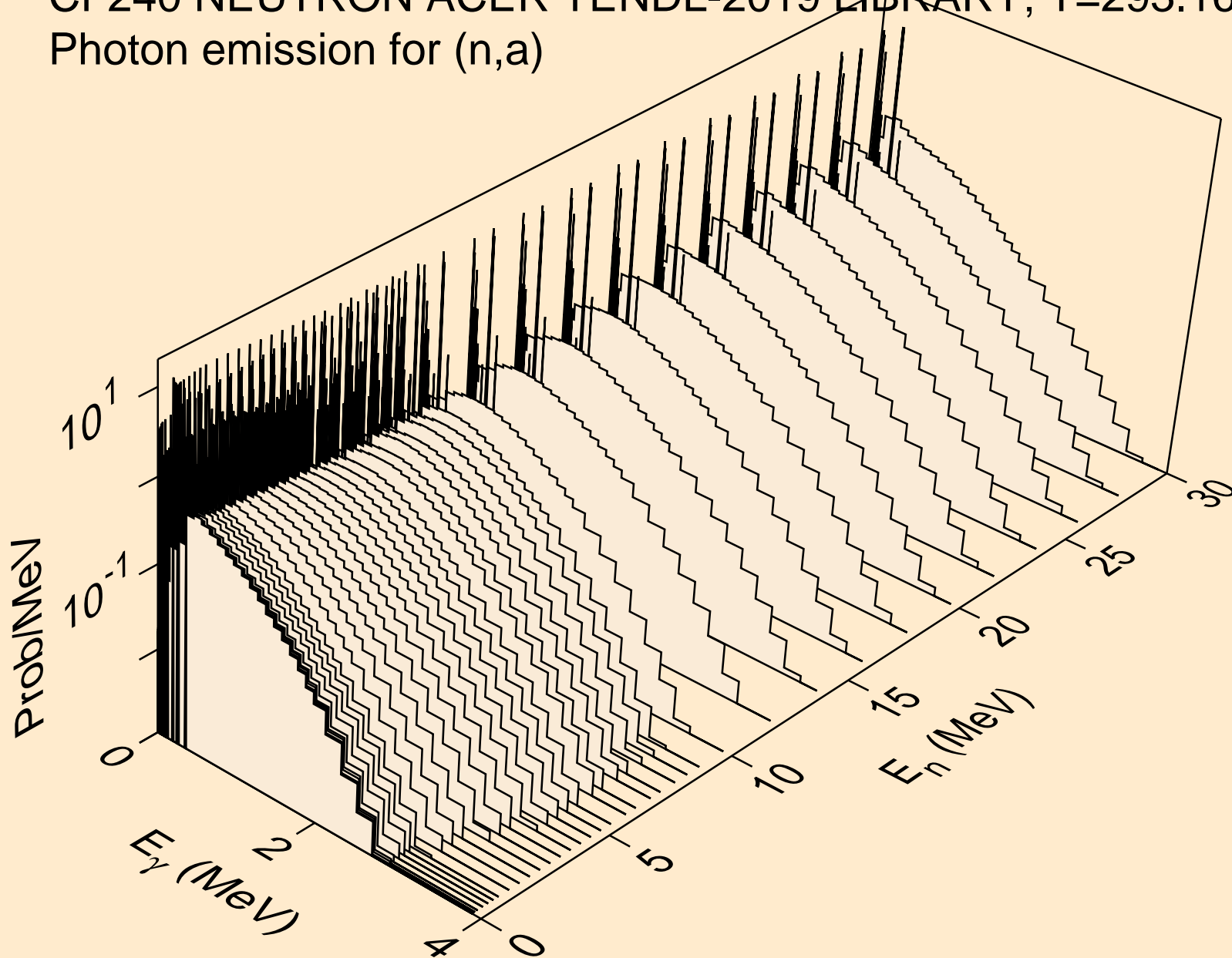
CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,t)



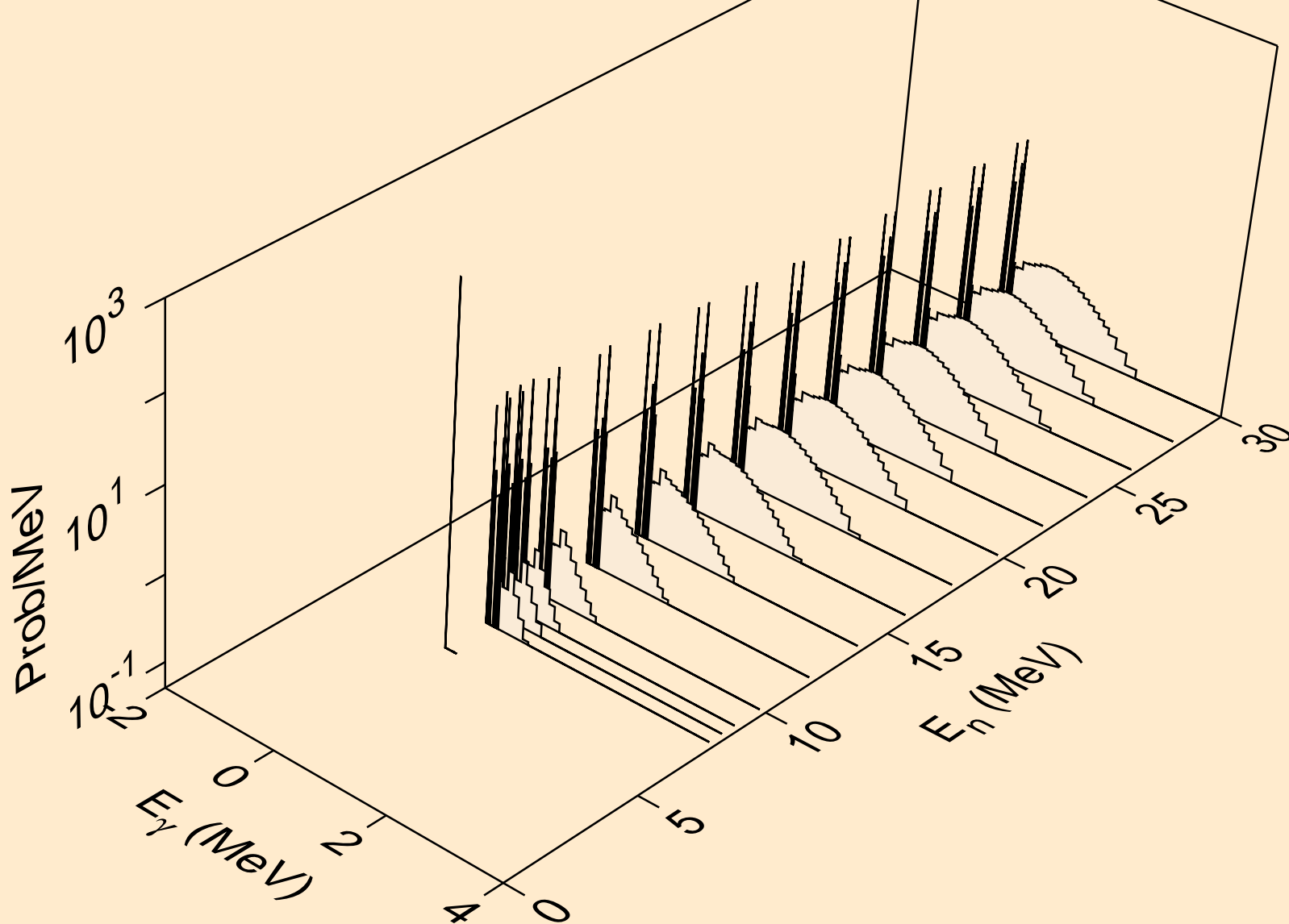
CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,he3)



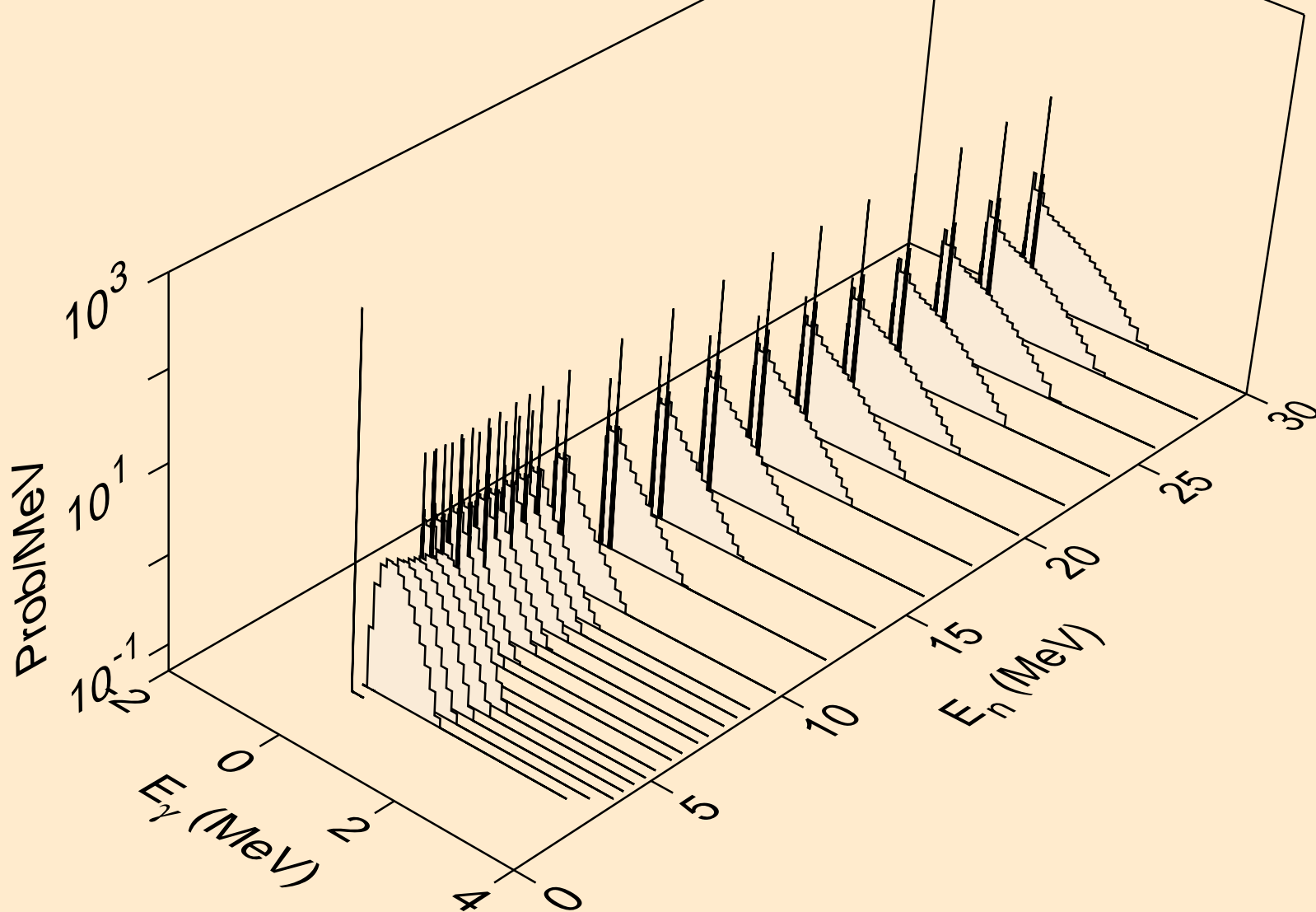
CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,a)



CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2p)

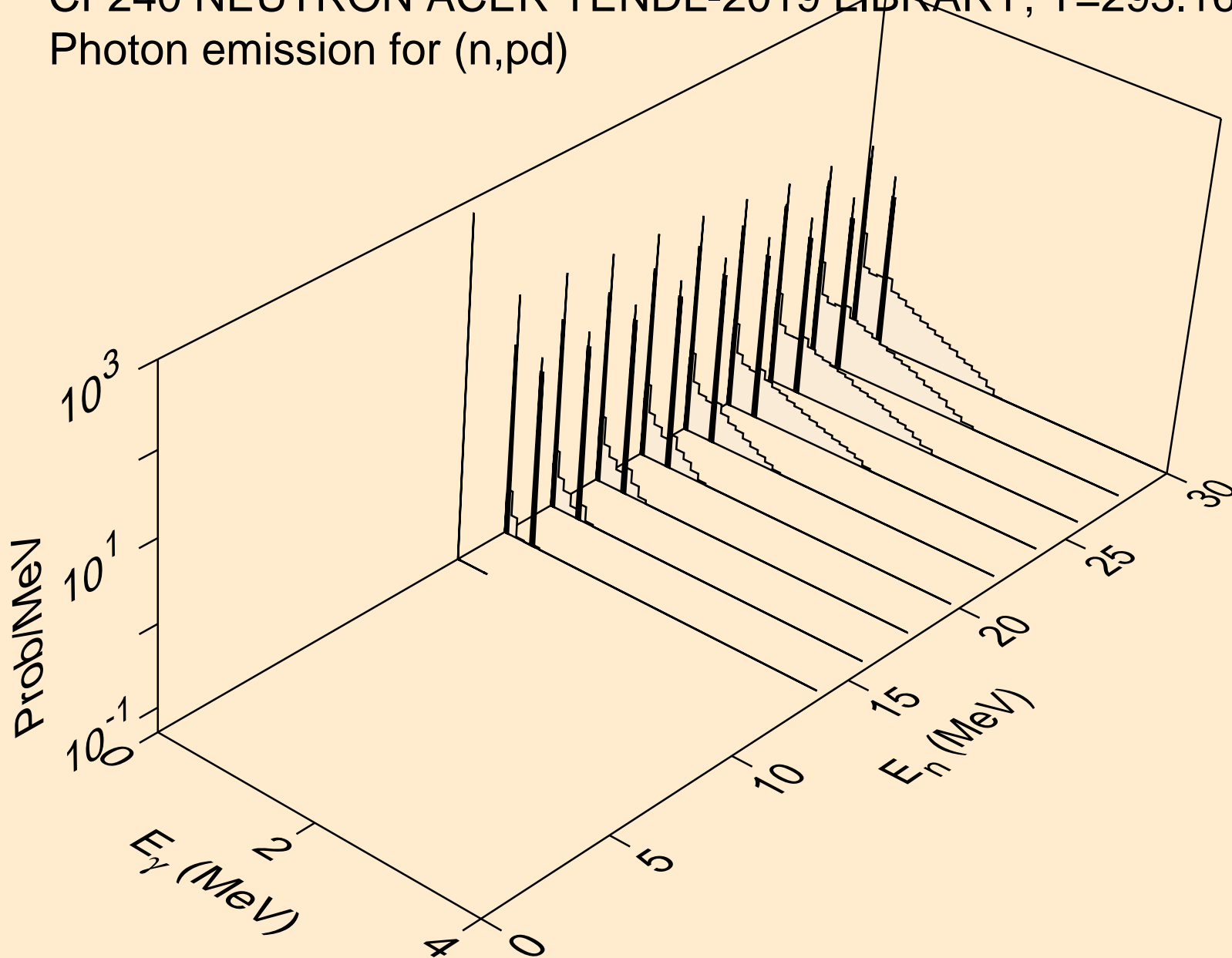


CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,p $\alpha$ )

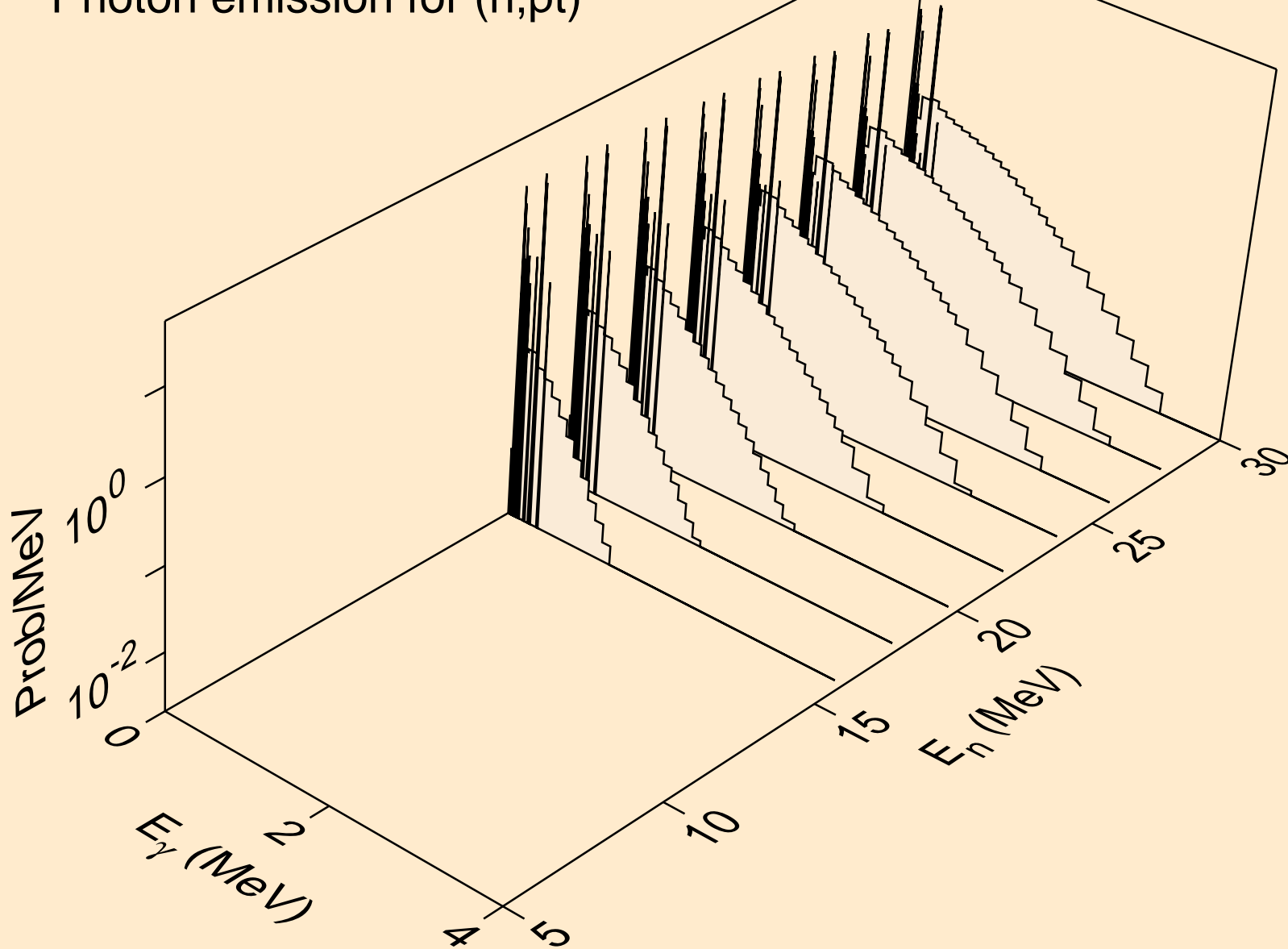




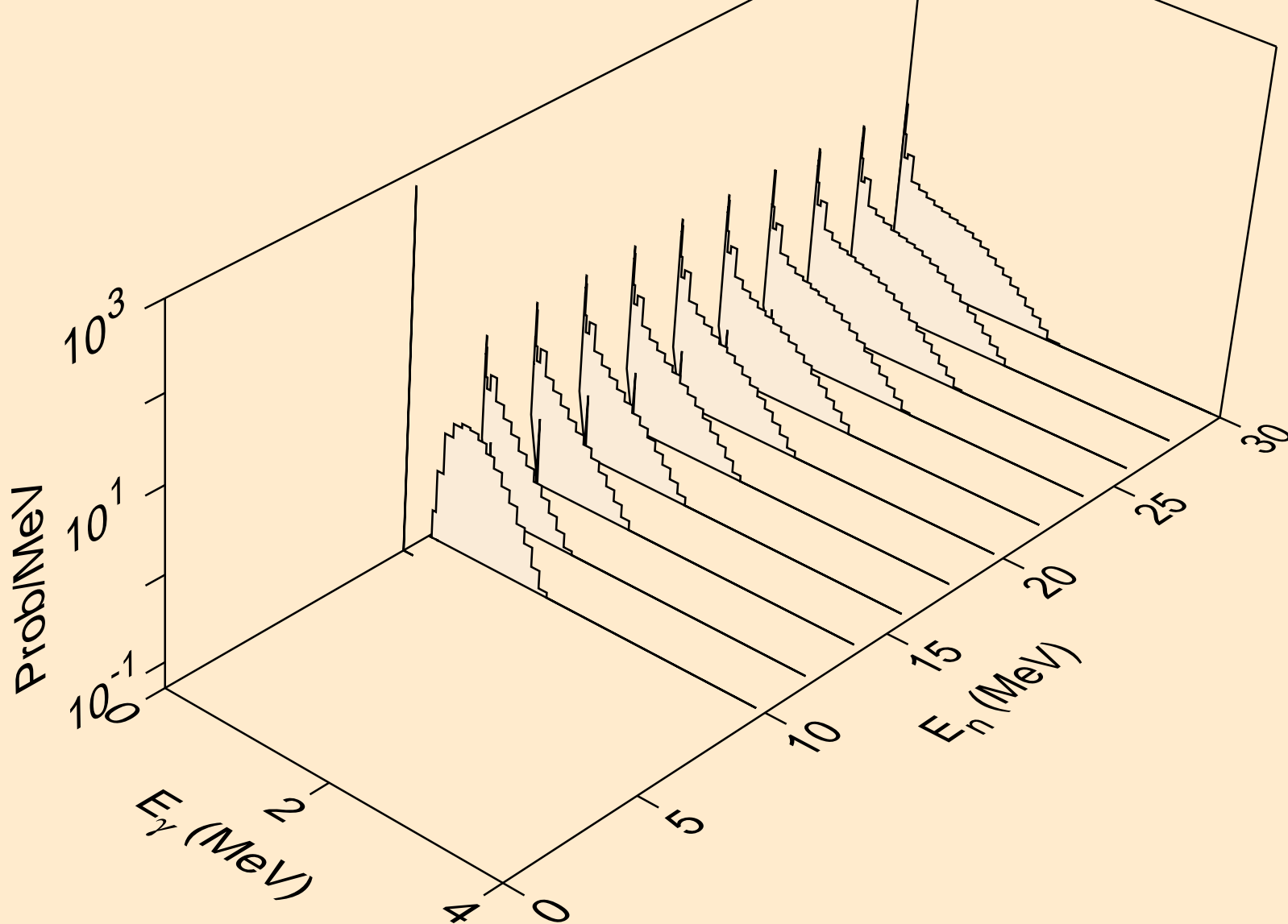
CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,pd)



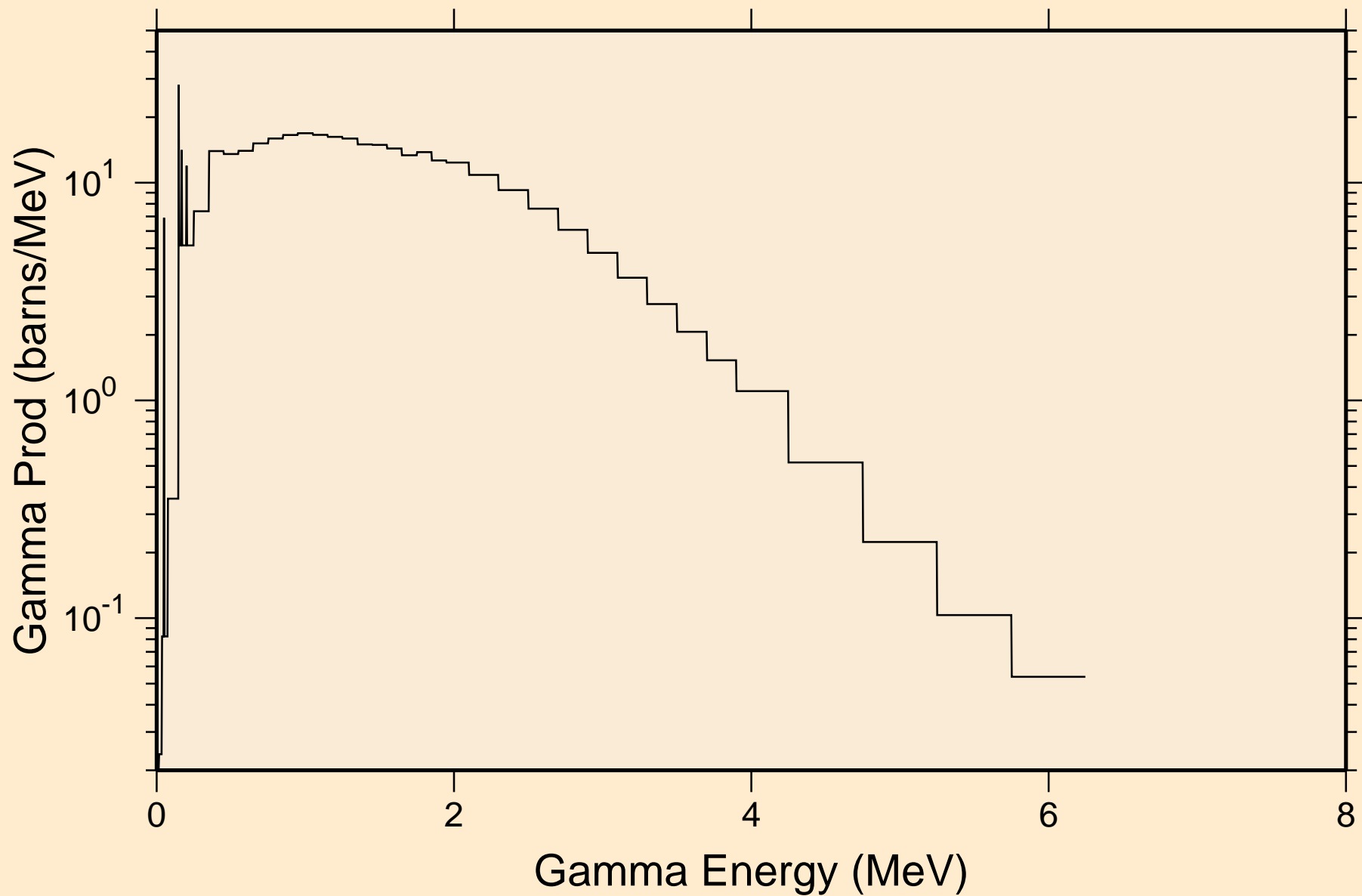
CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,pt)



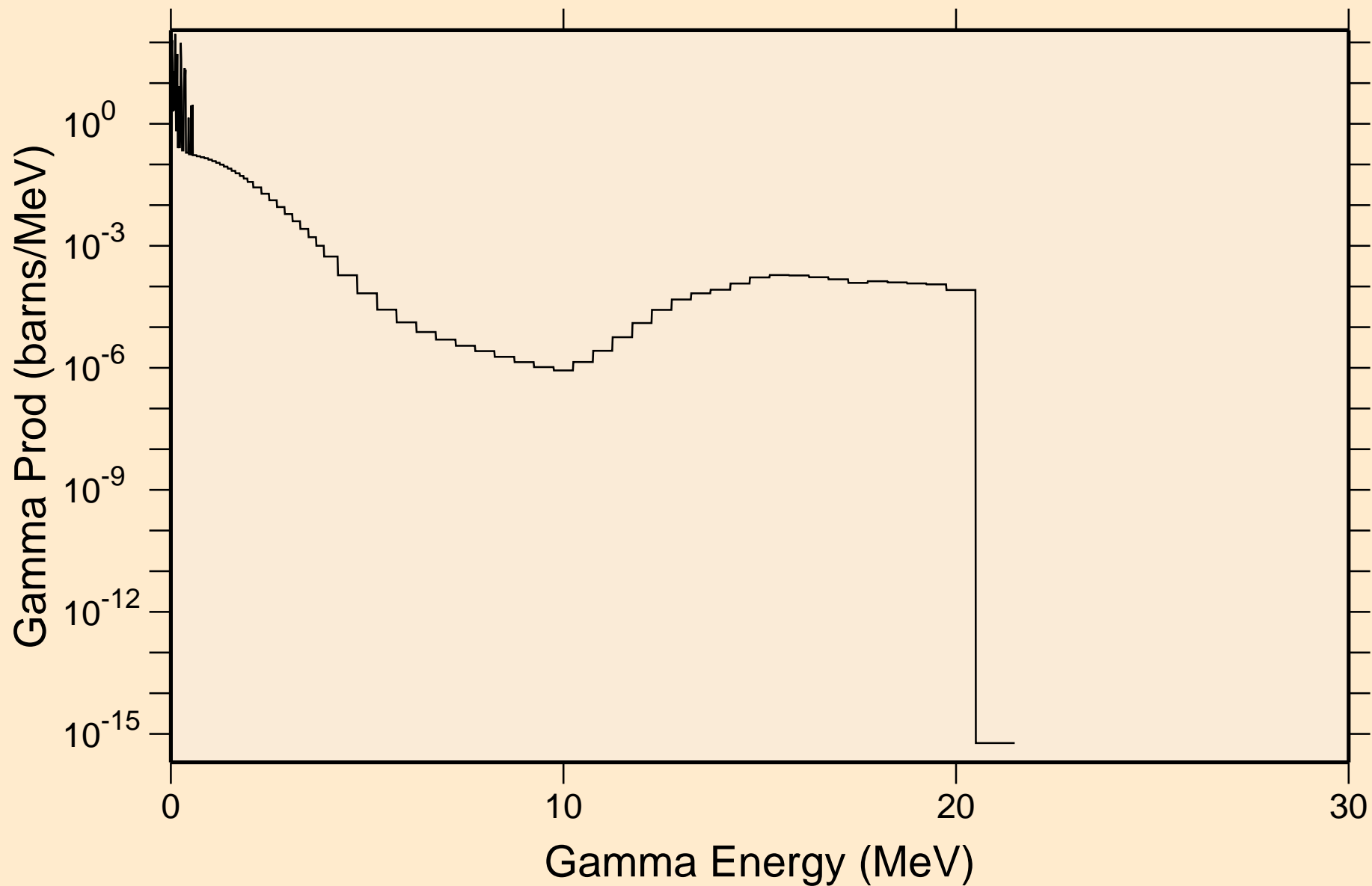
CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,da)



CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
thermal capture photon spectrum

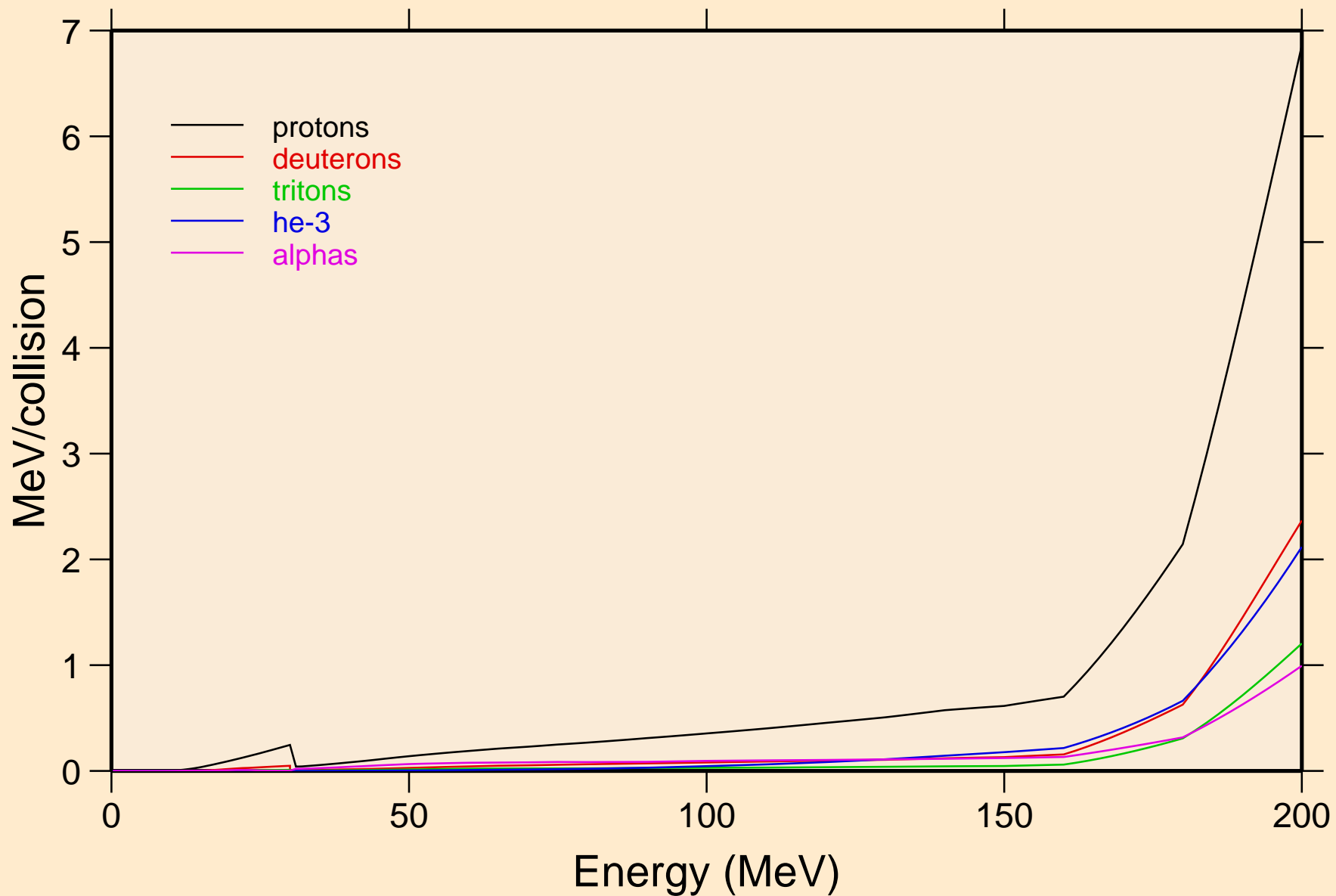


CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
14 MeV photon spectrum

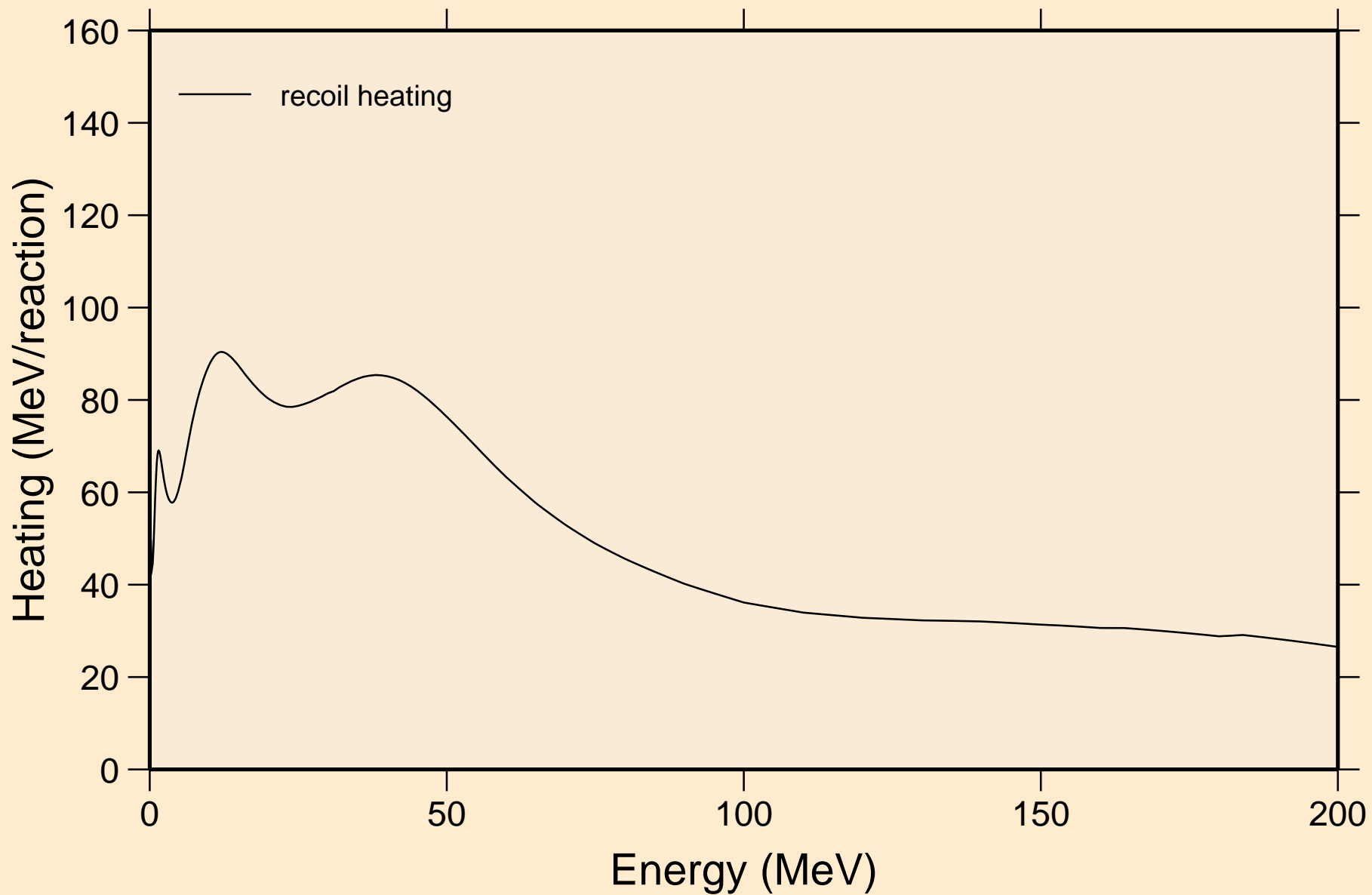


# CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

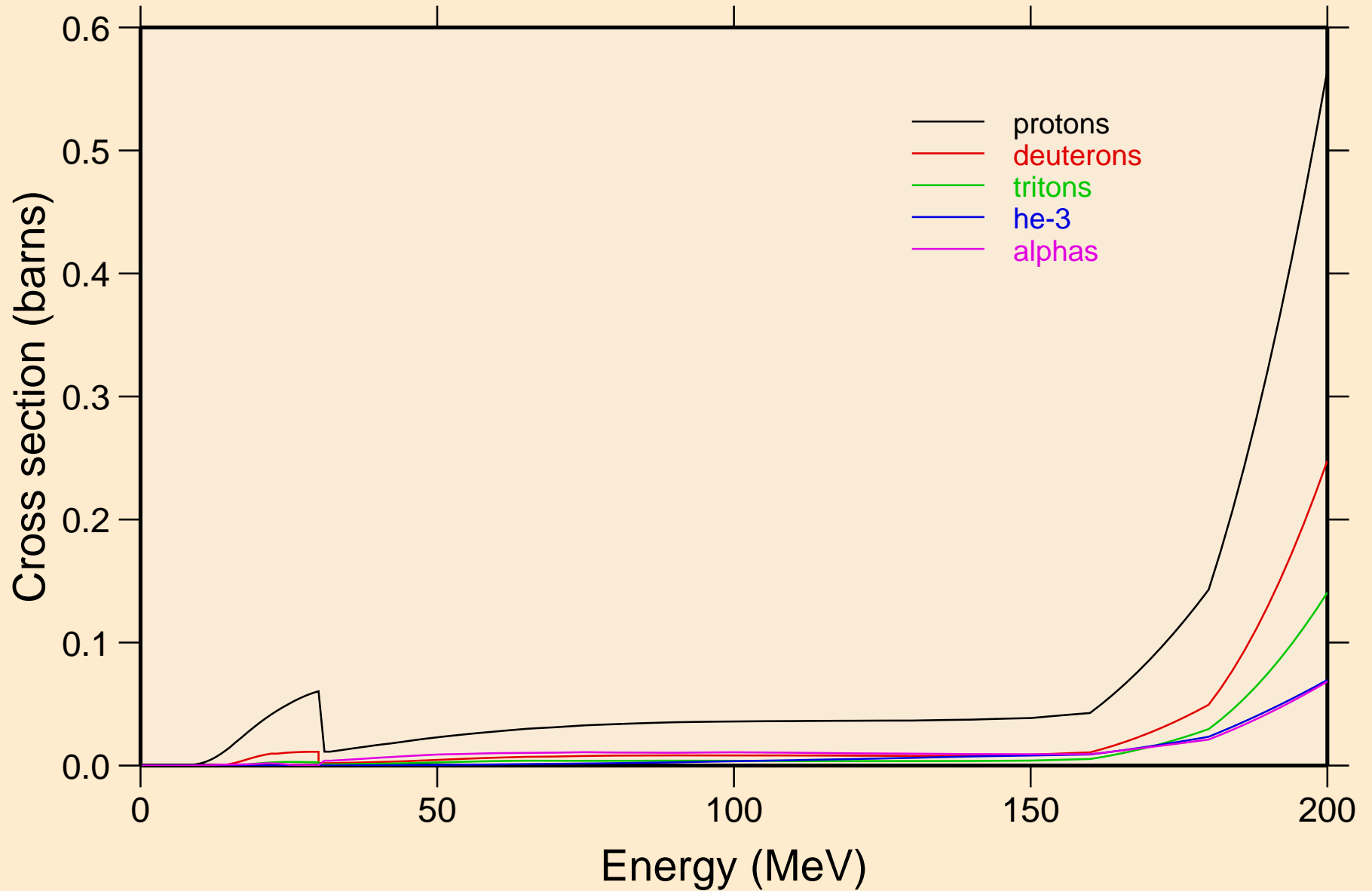
## Particle heating contributions



CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Recoil Heating

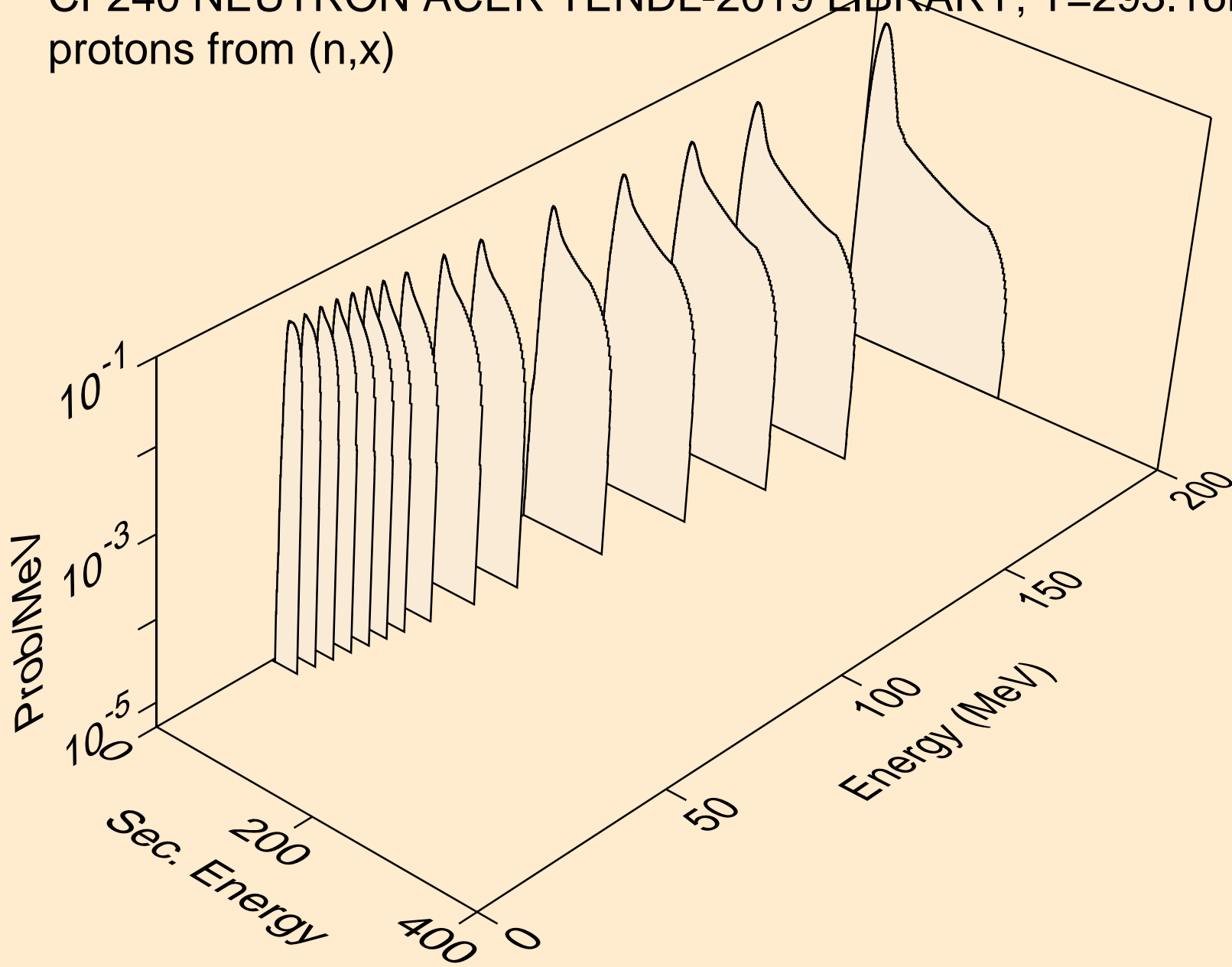


CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Particle production cross sections

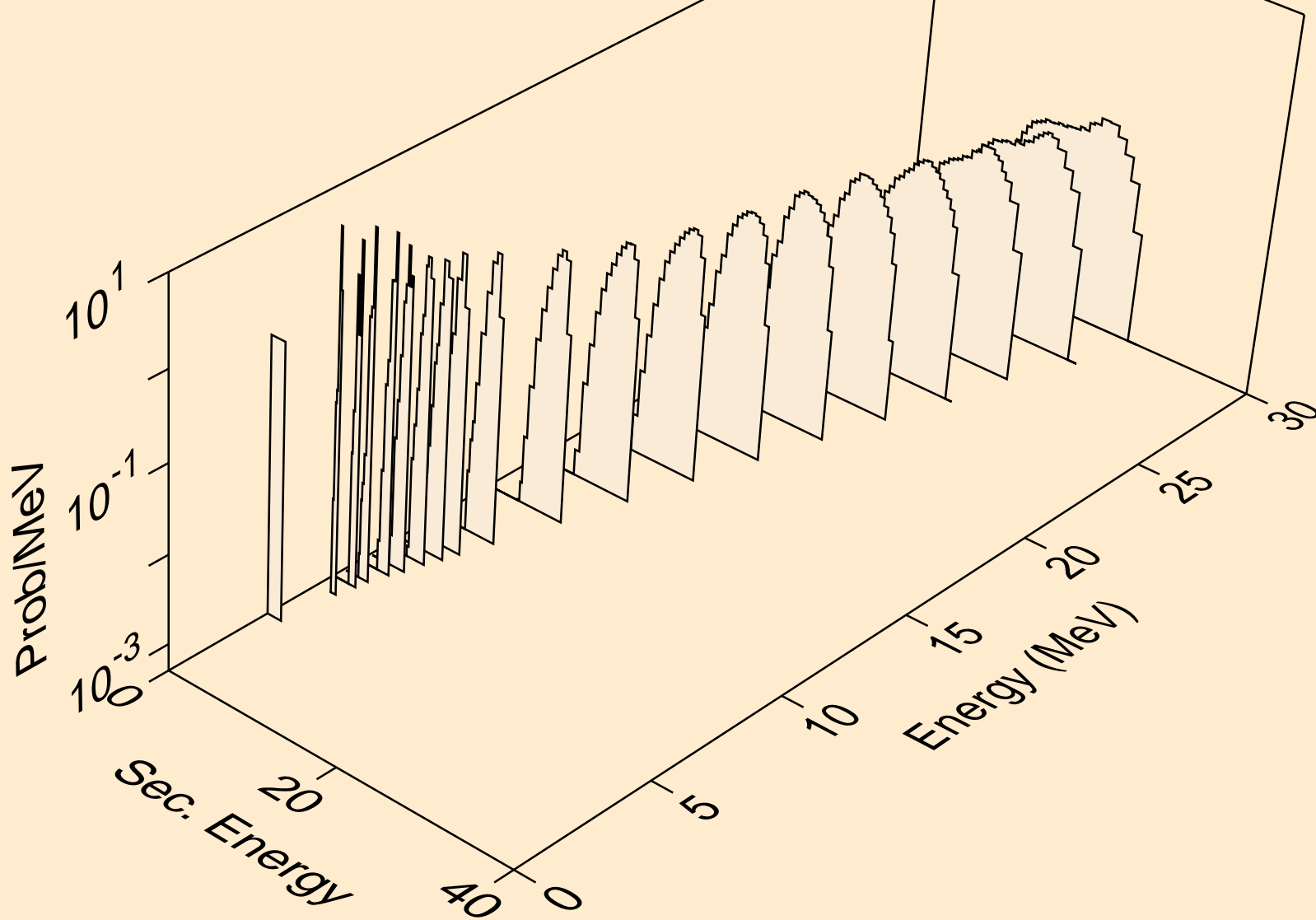




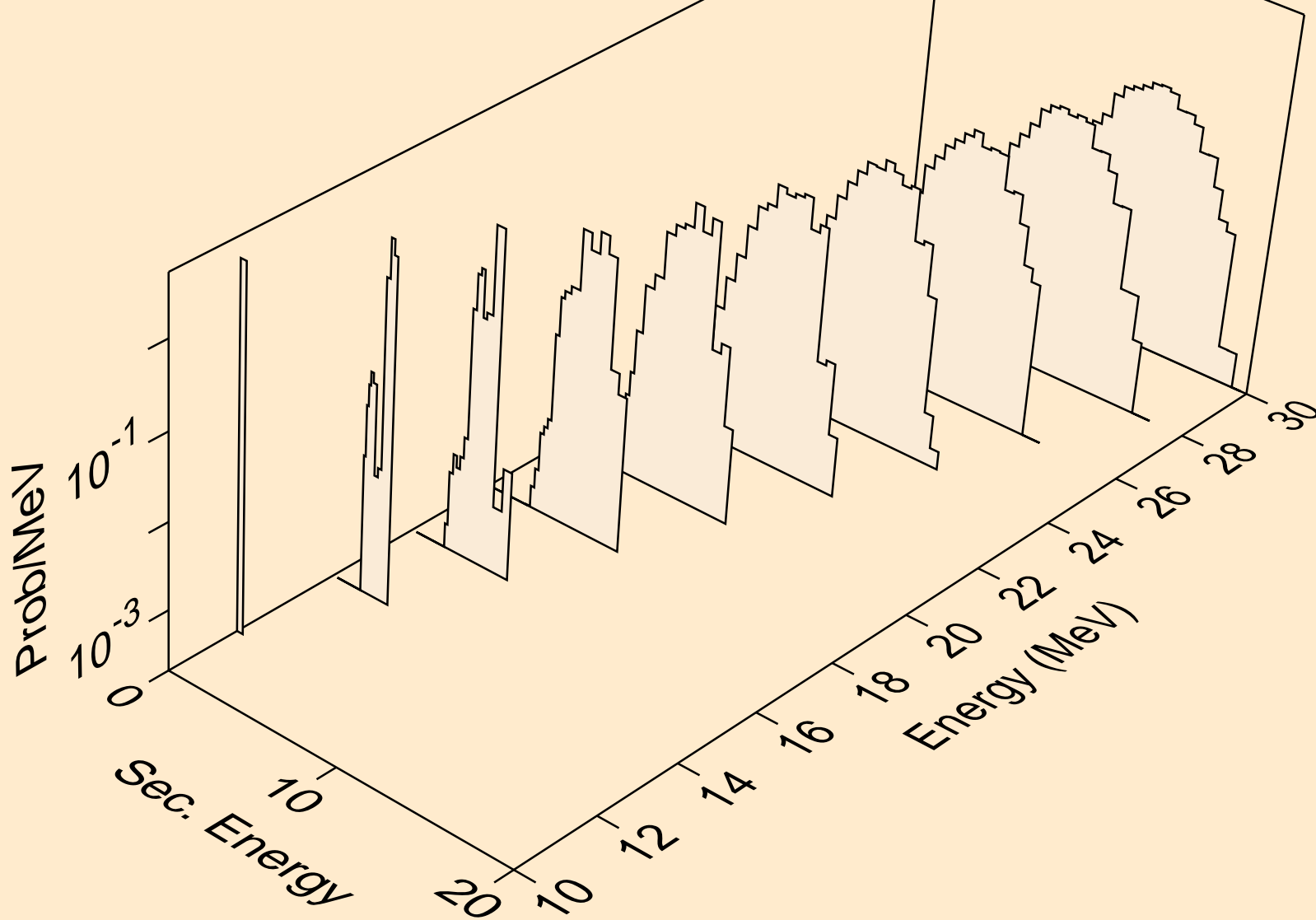
CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,x)



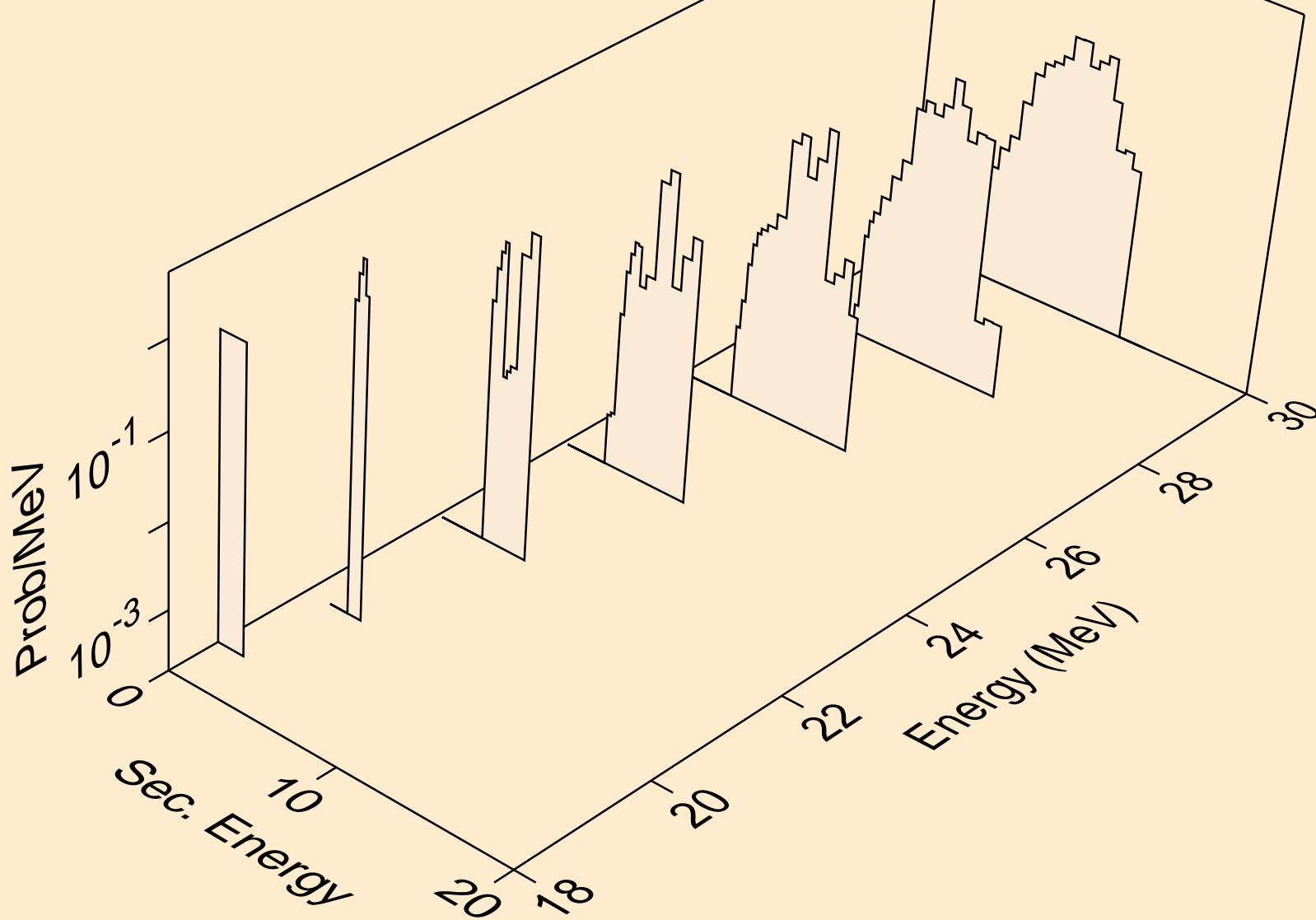
CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,n\*)p



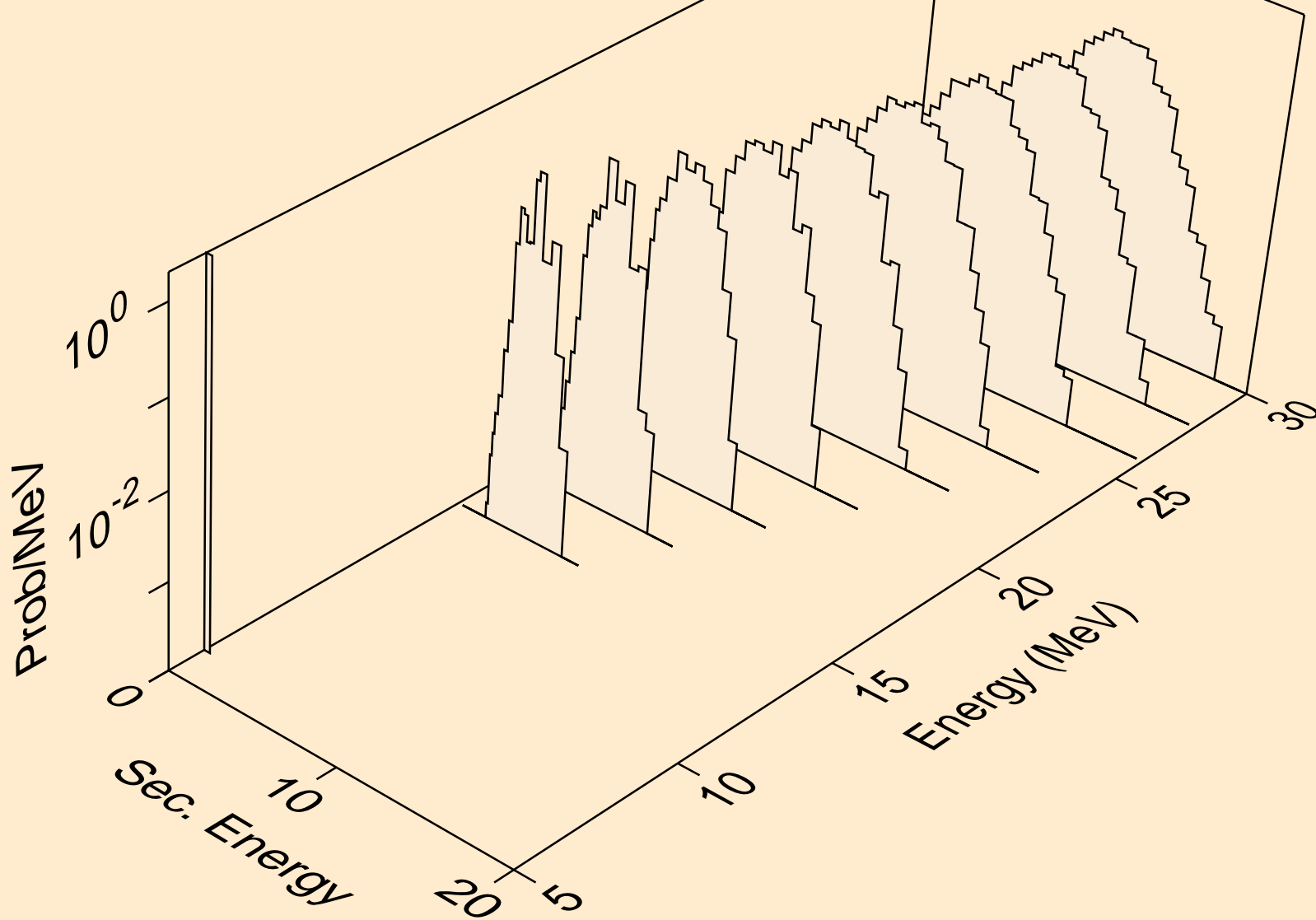
CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,2np)



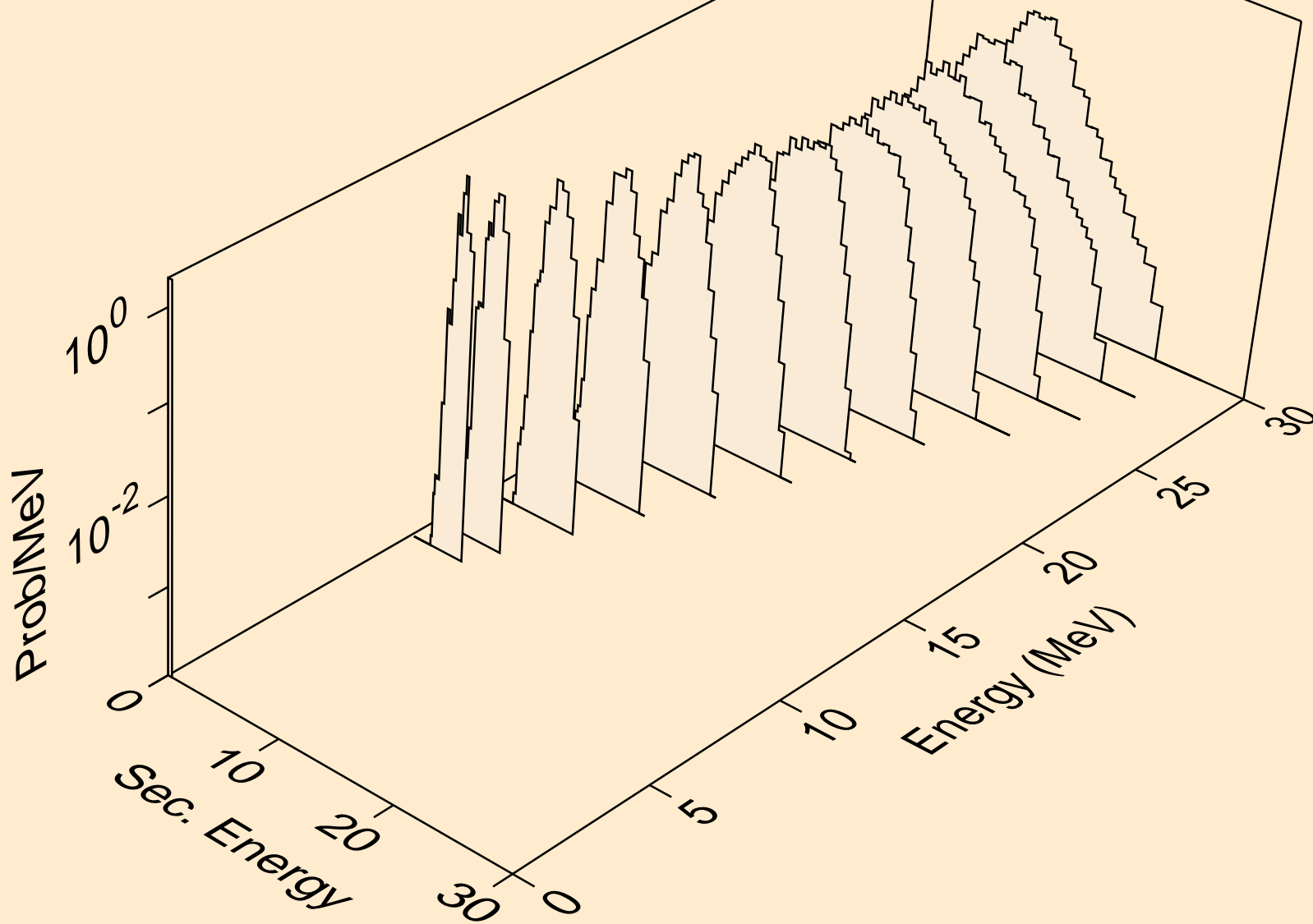
CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,3np)



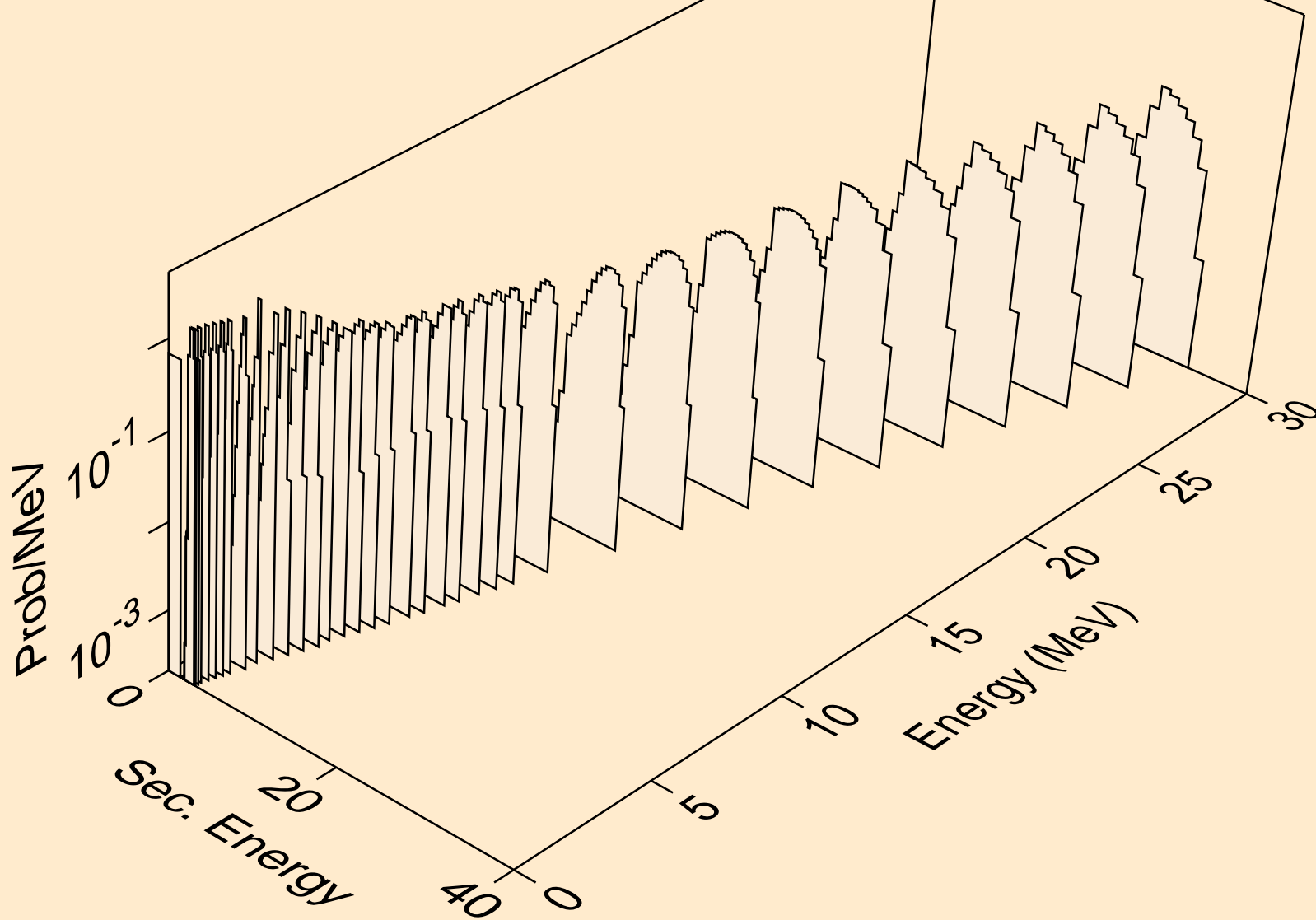
CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,2np)



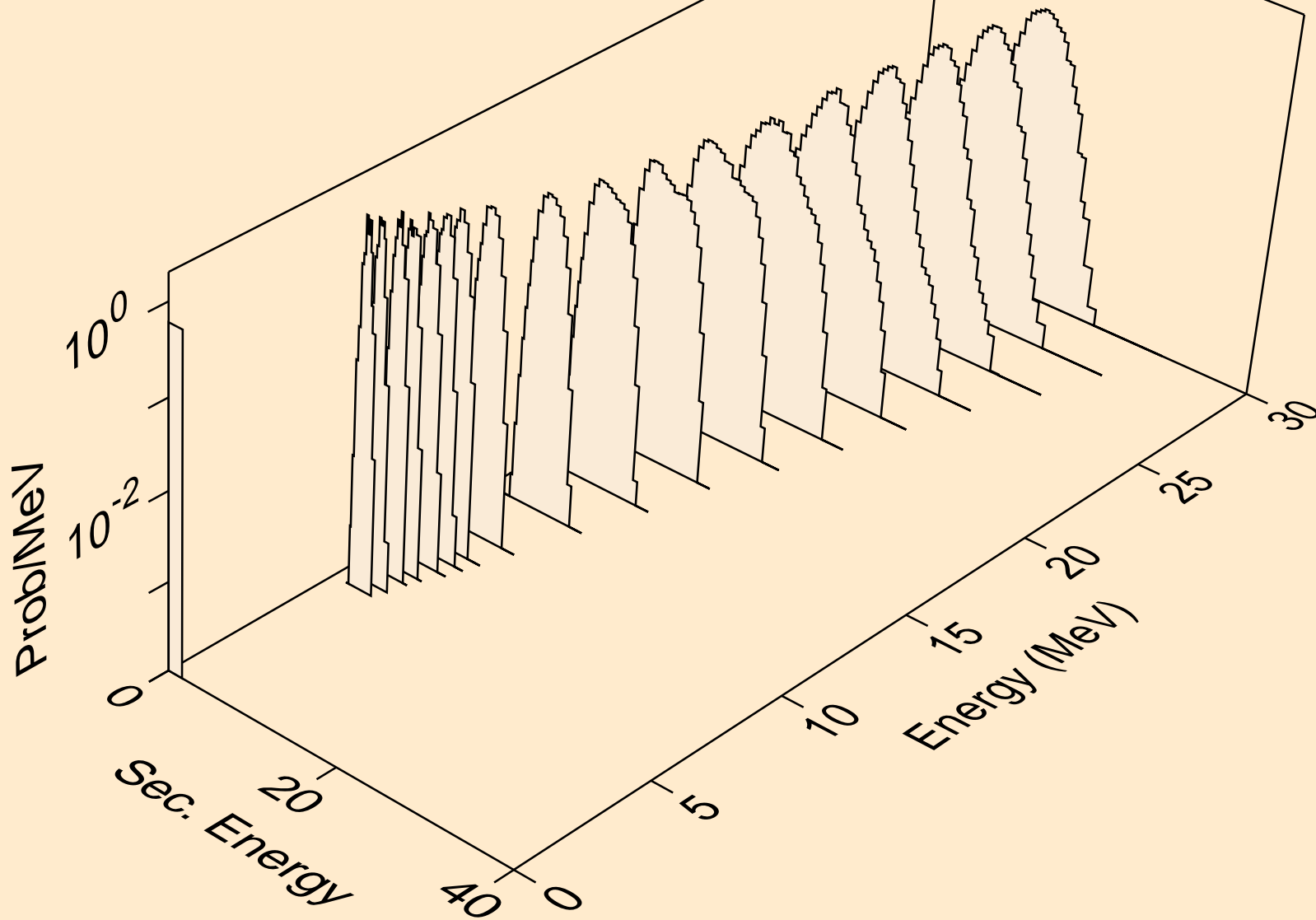
CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,npa)



CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,p)

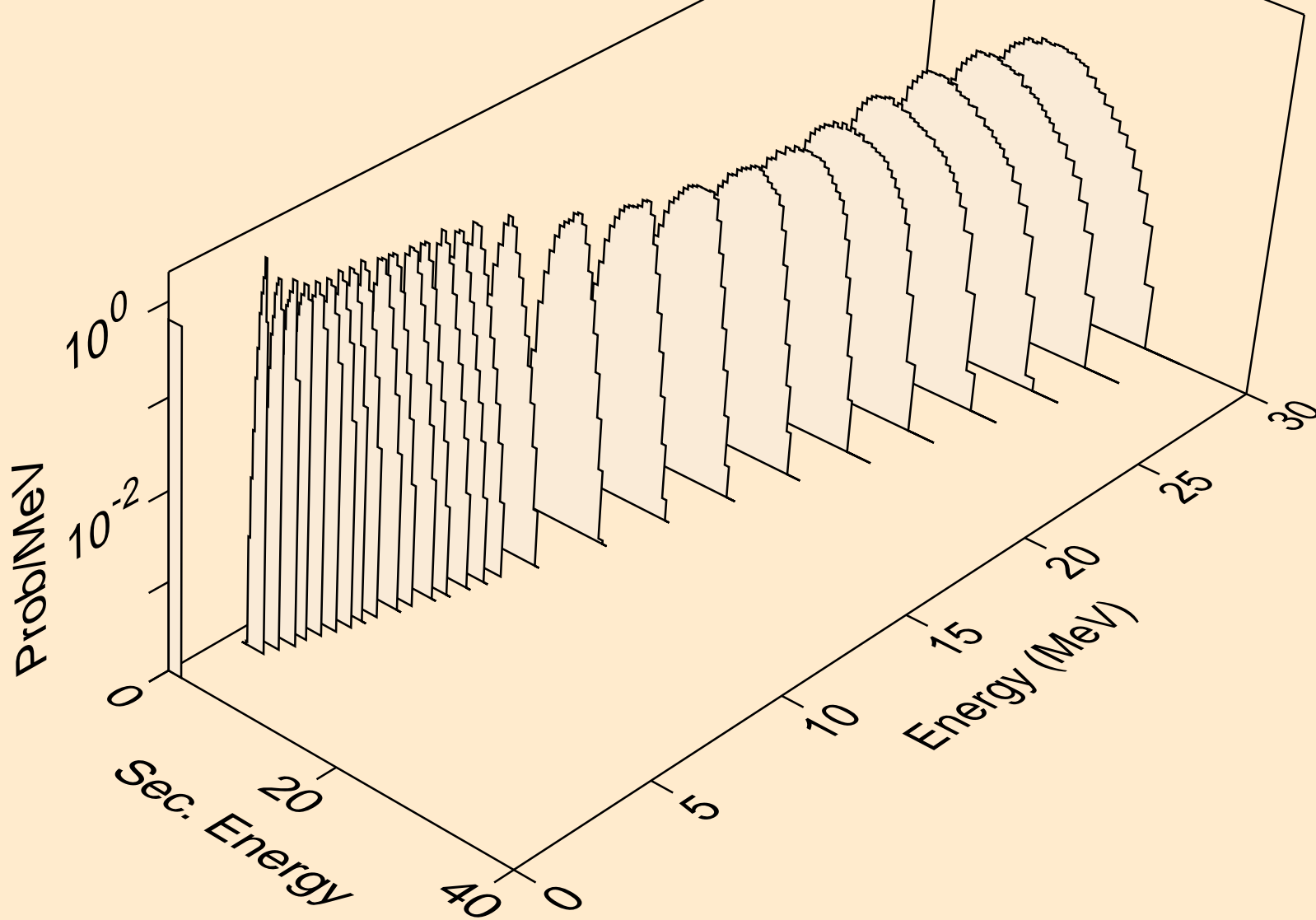


CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,2p)

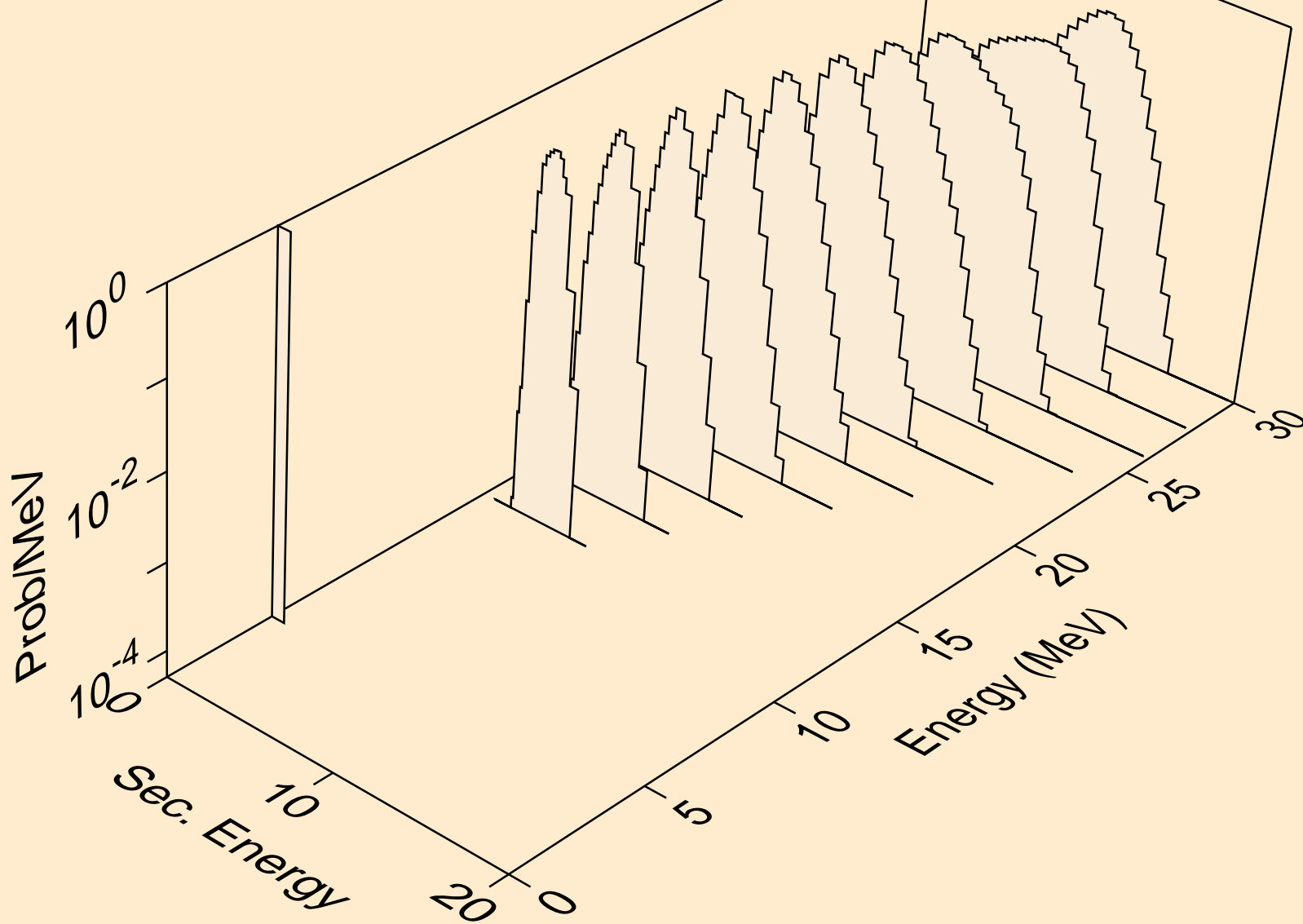




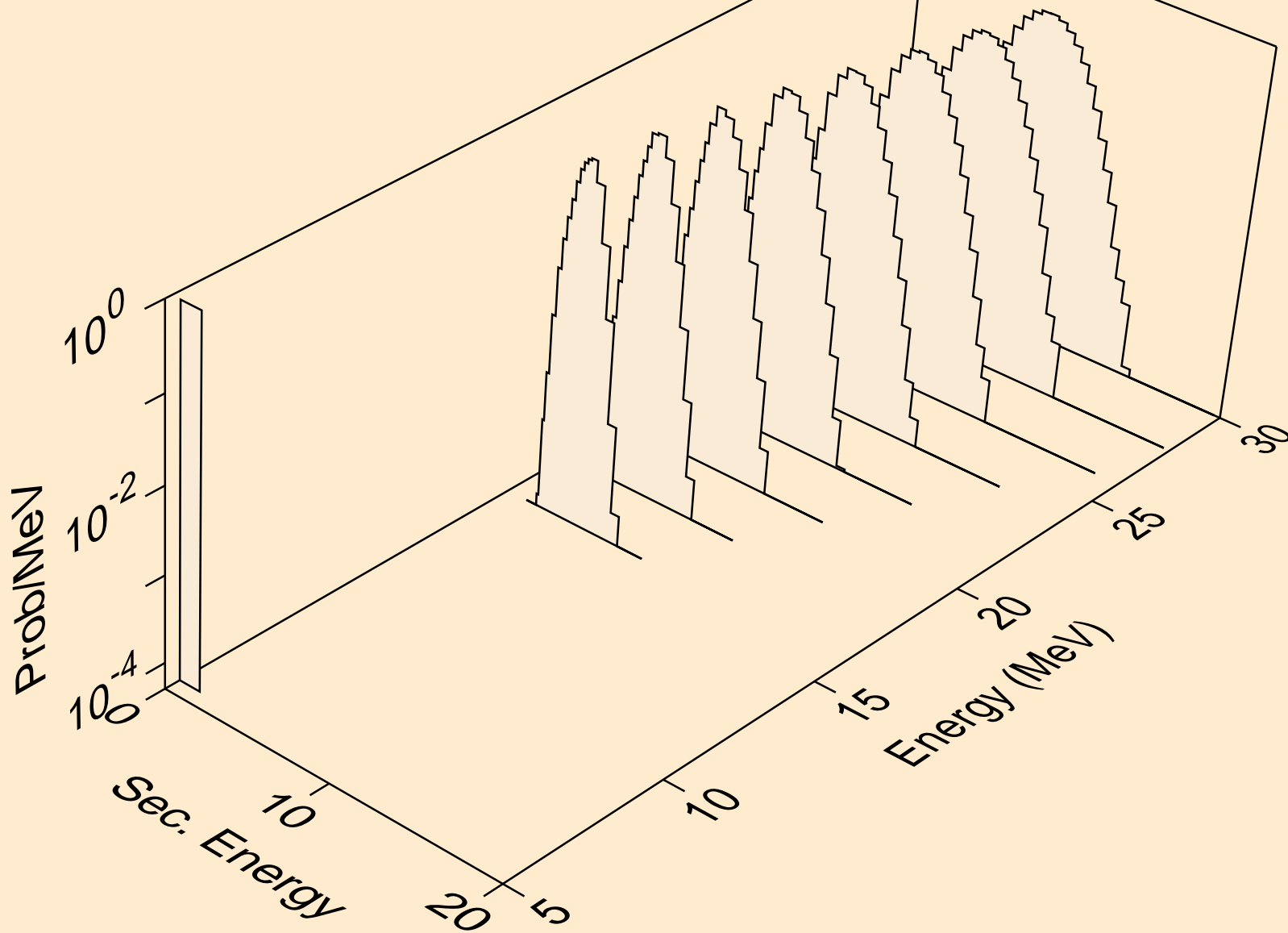
CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,p)



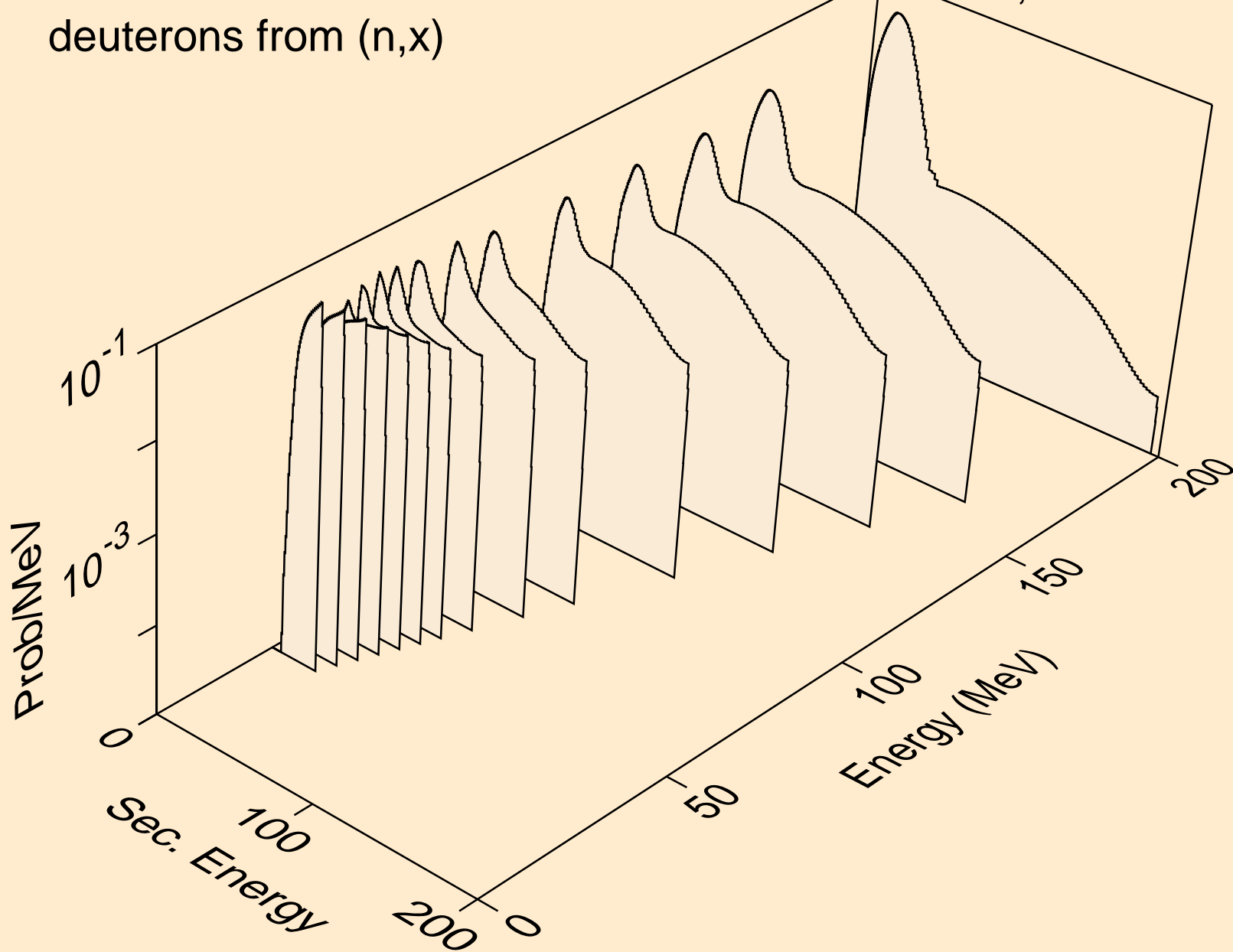
CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,pd)



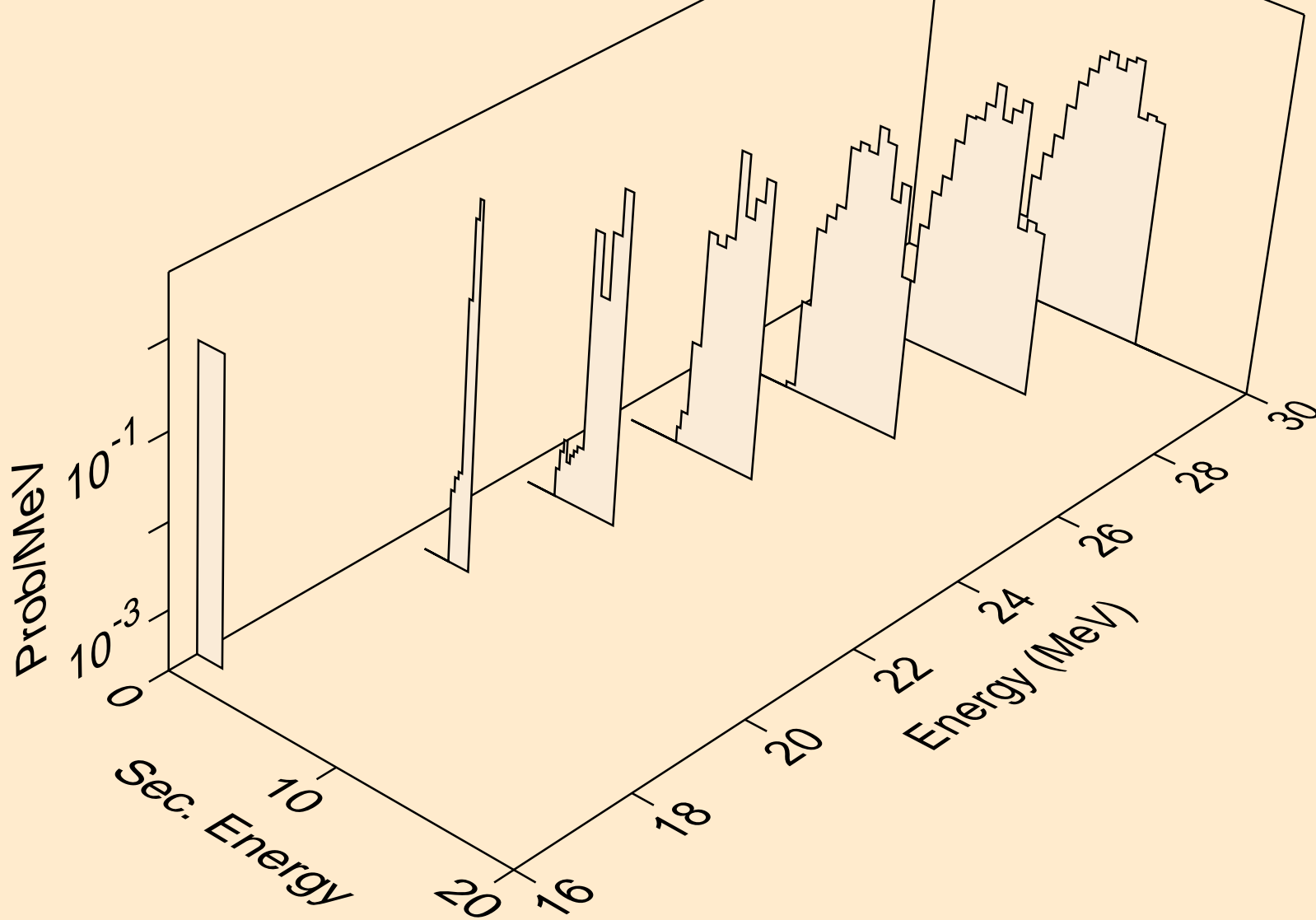
CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,pt)



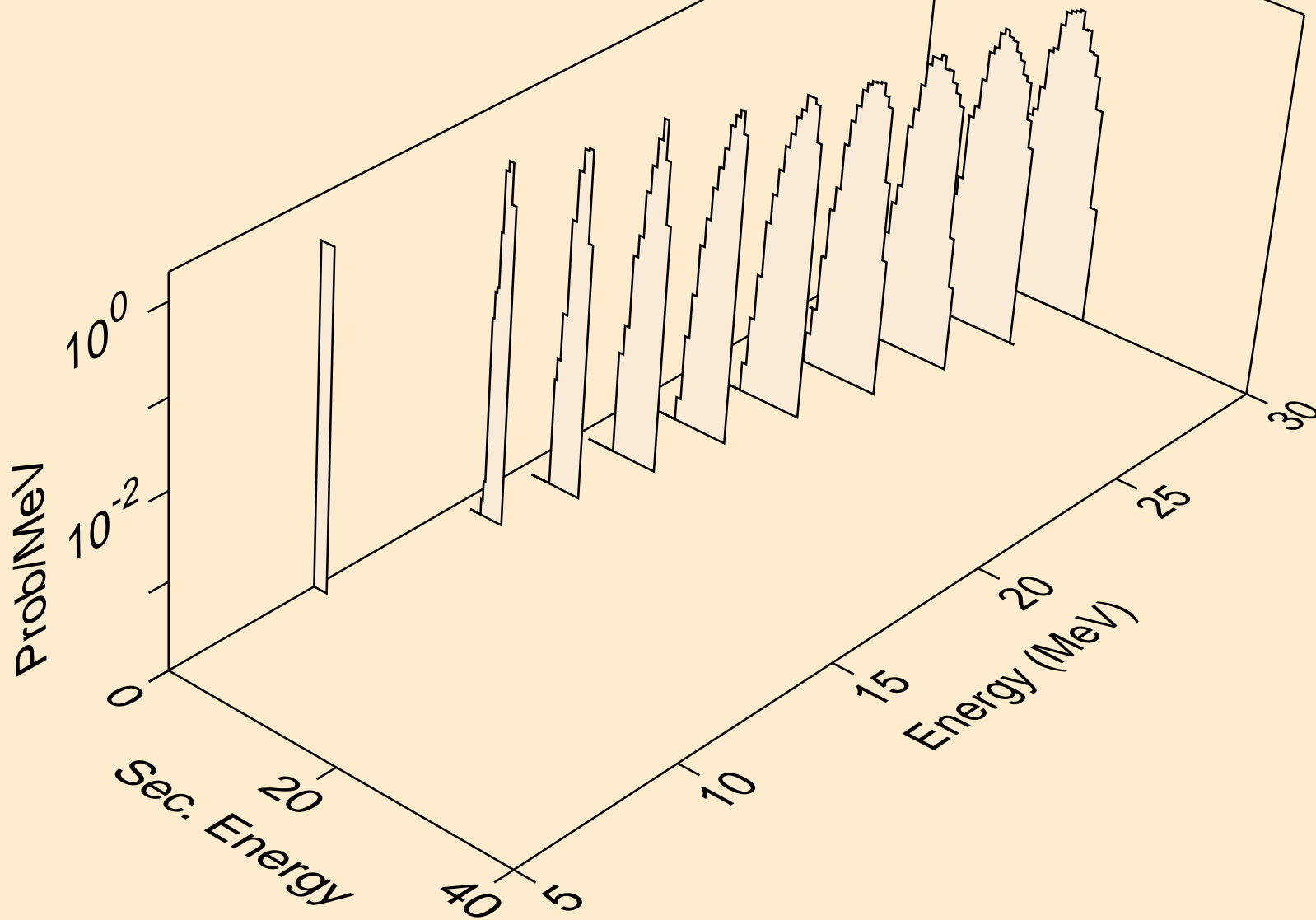
CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,x)



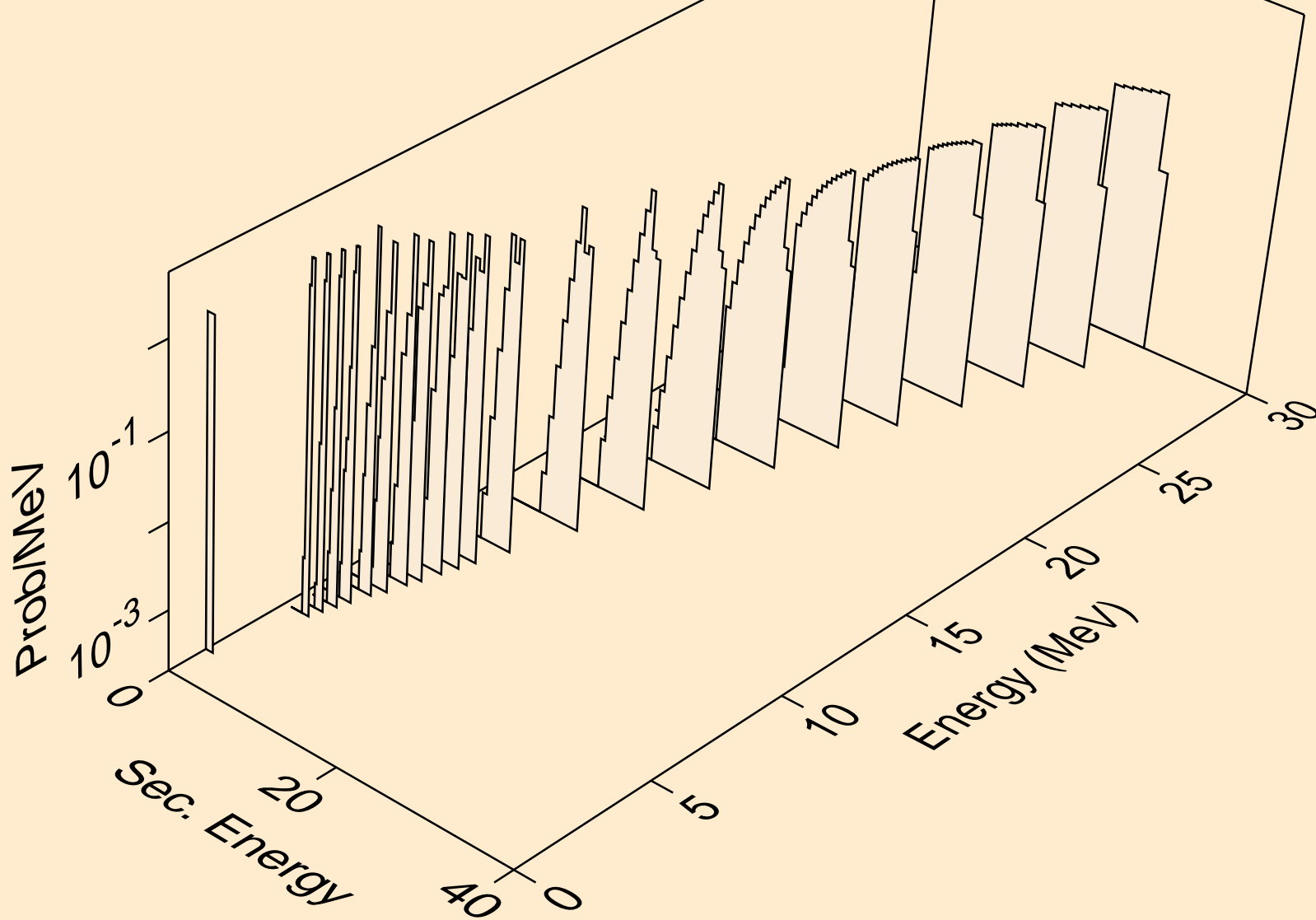
CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,2nd)



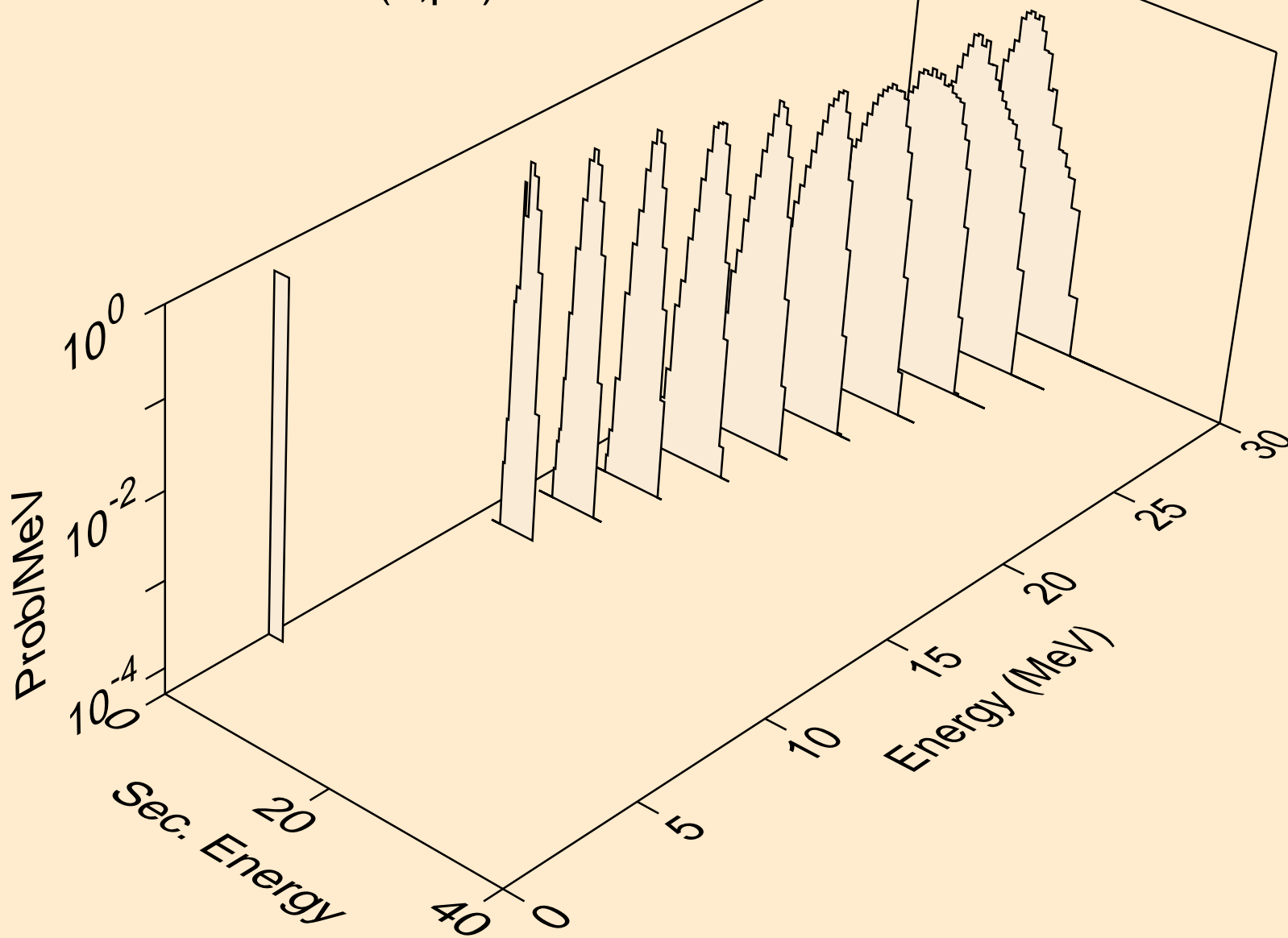
CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,n\*)d



CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,d)

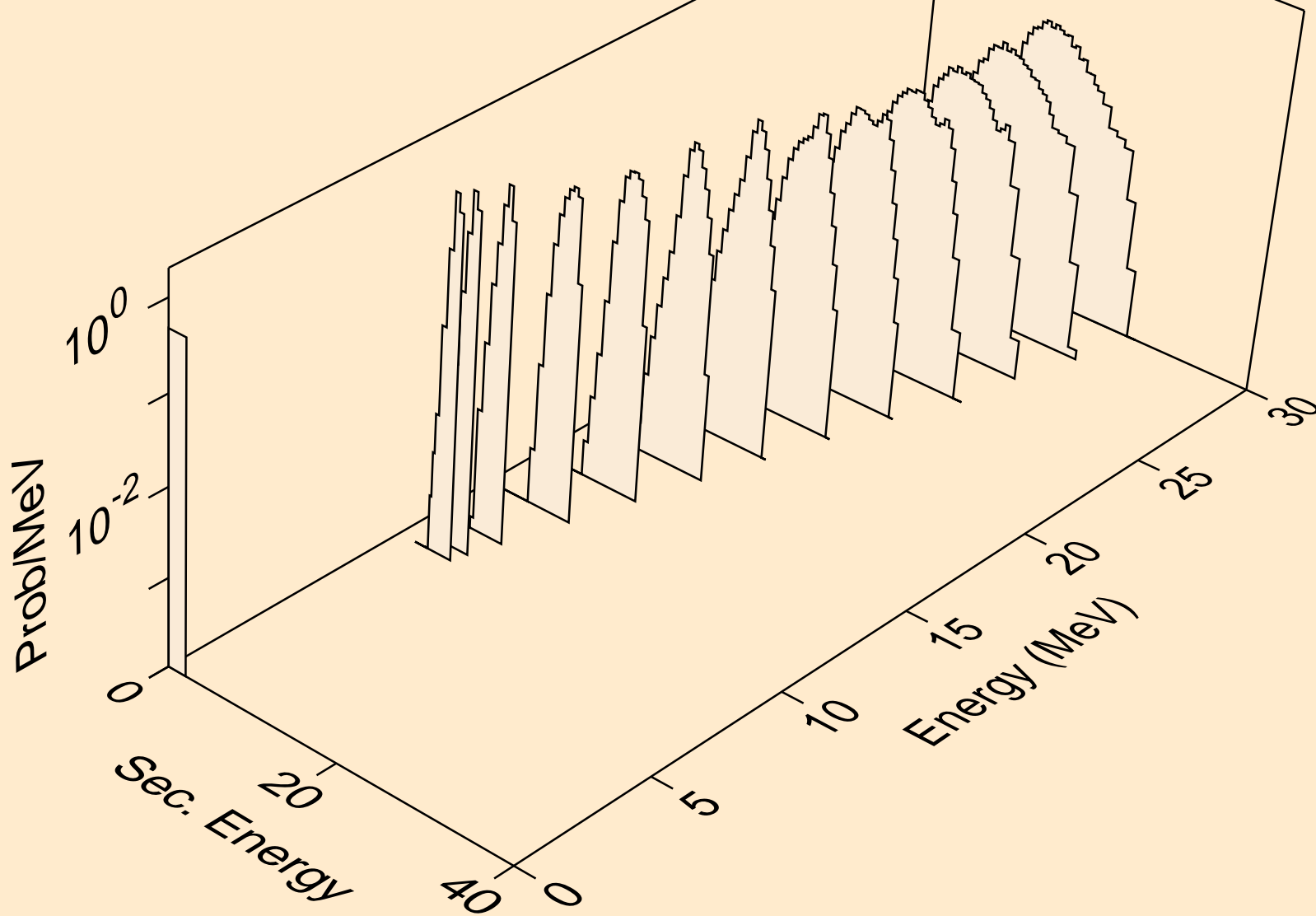


CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,pd)

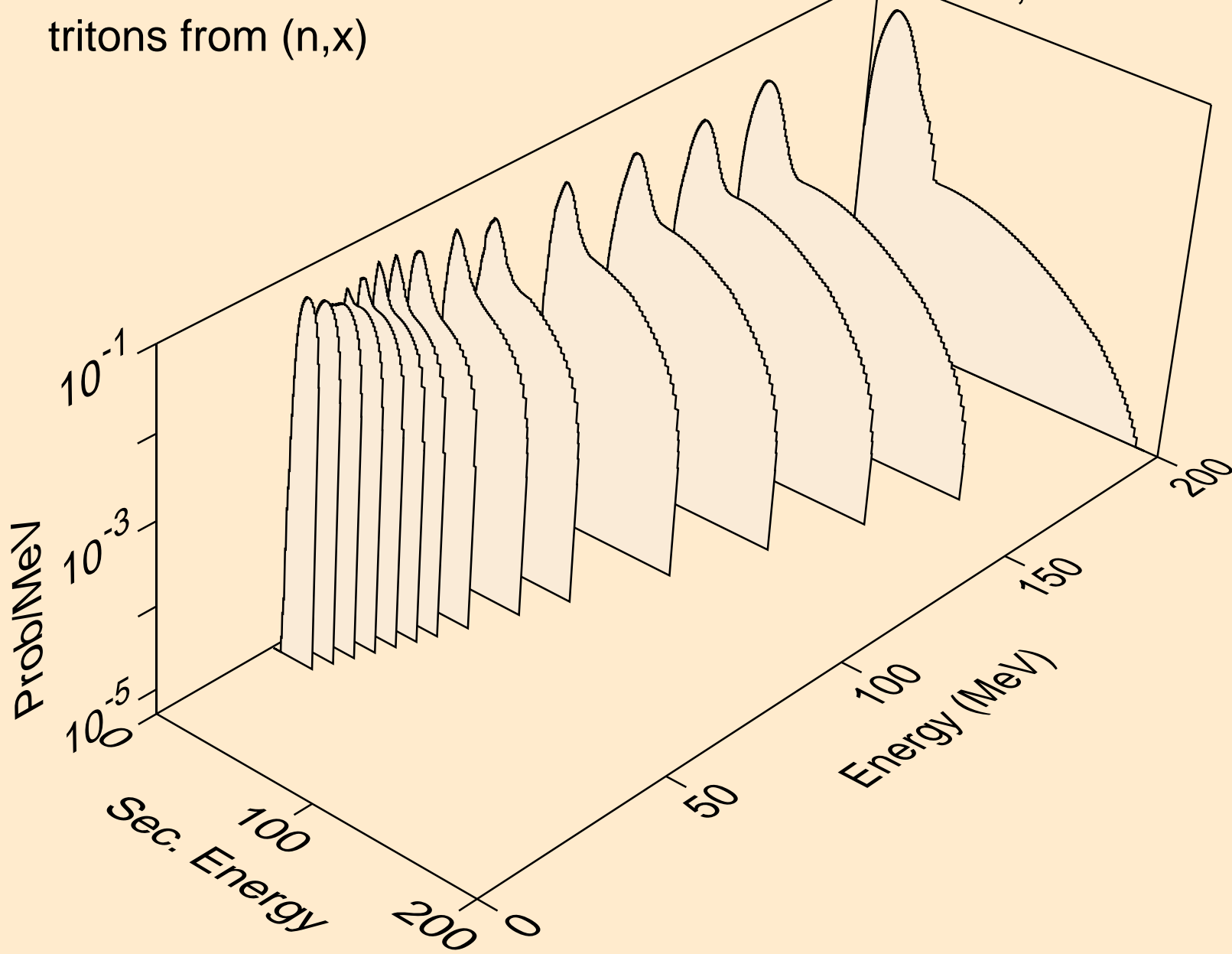




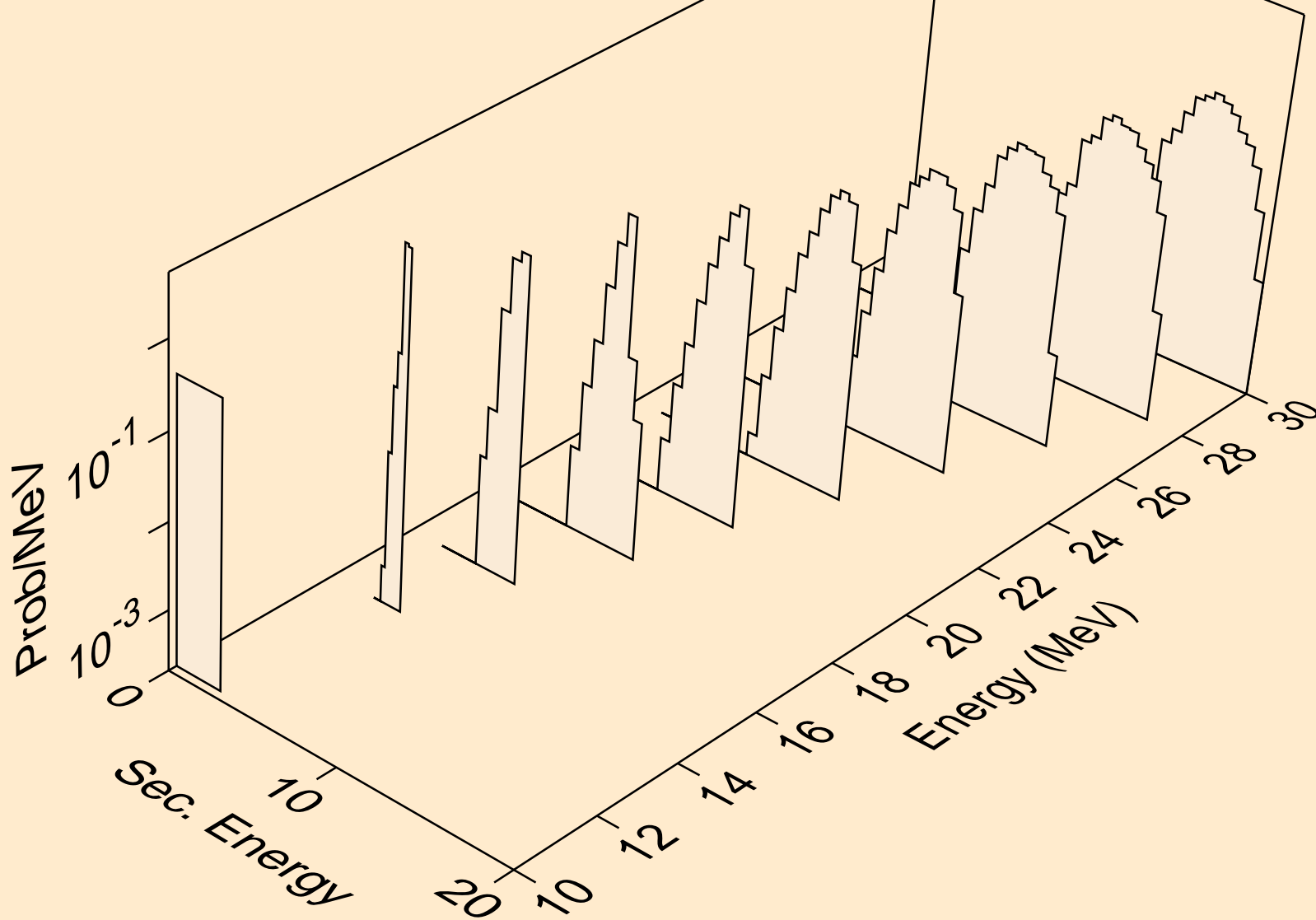
CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,da)



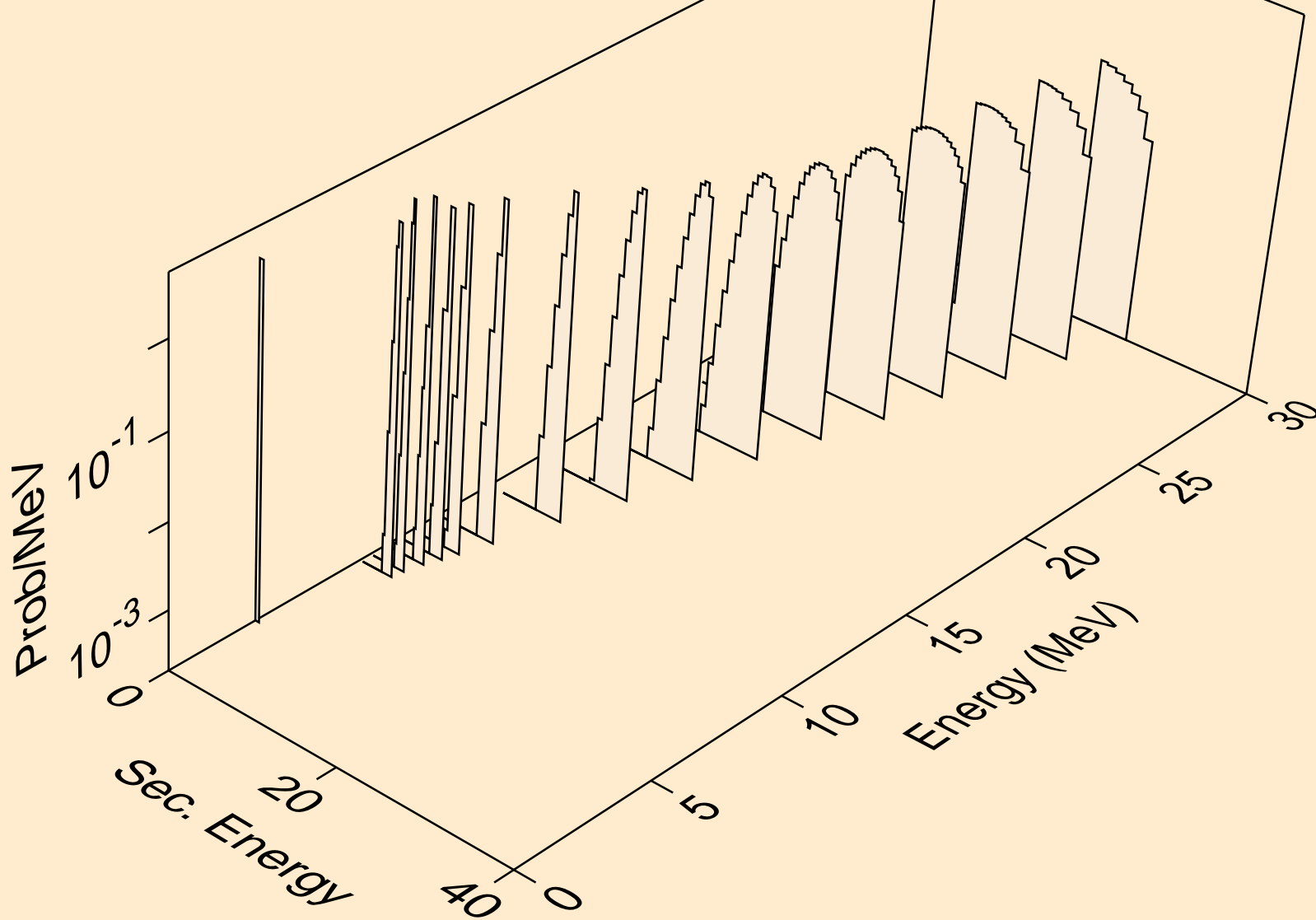
CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,x)



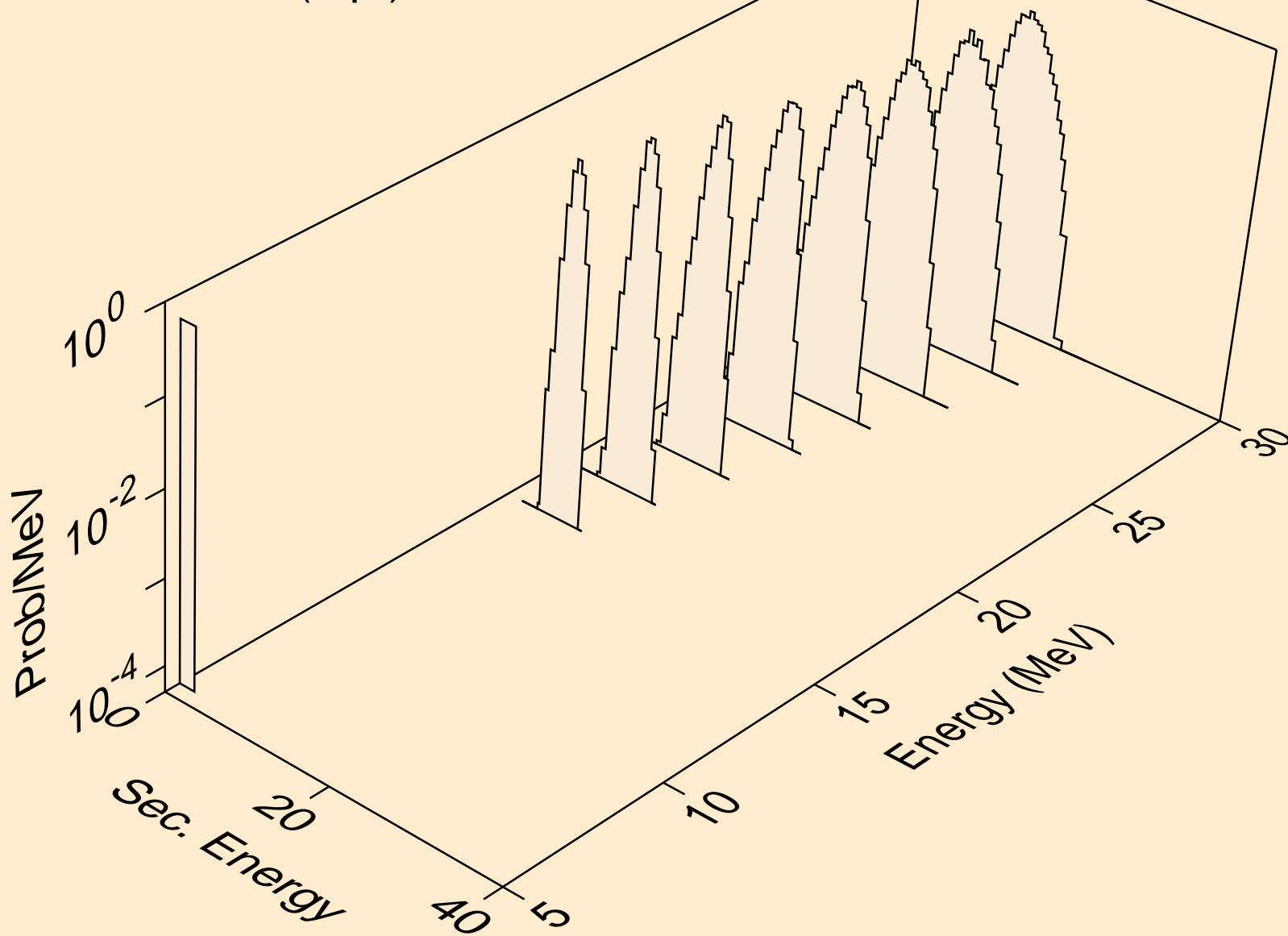
CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,n\*)t



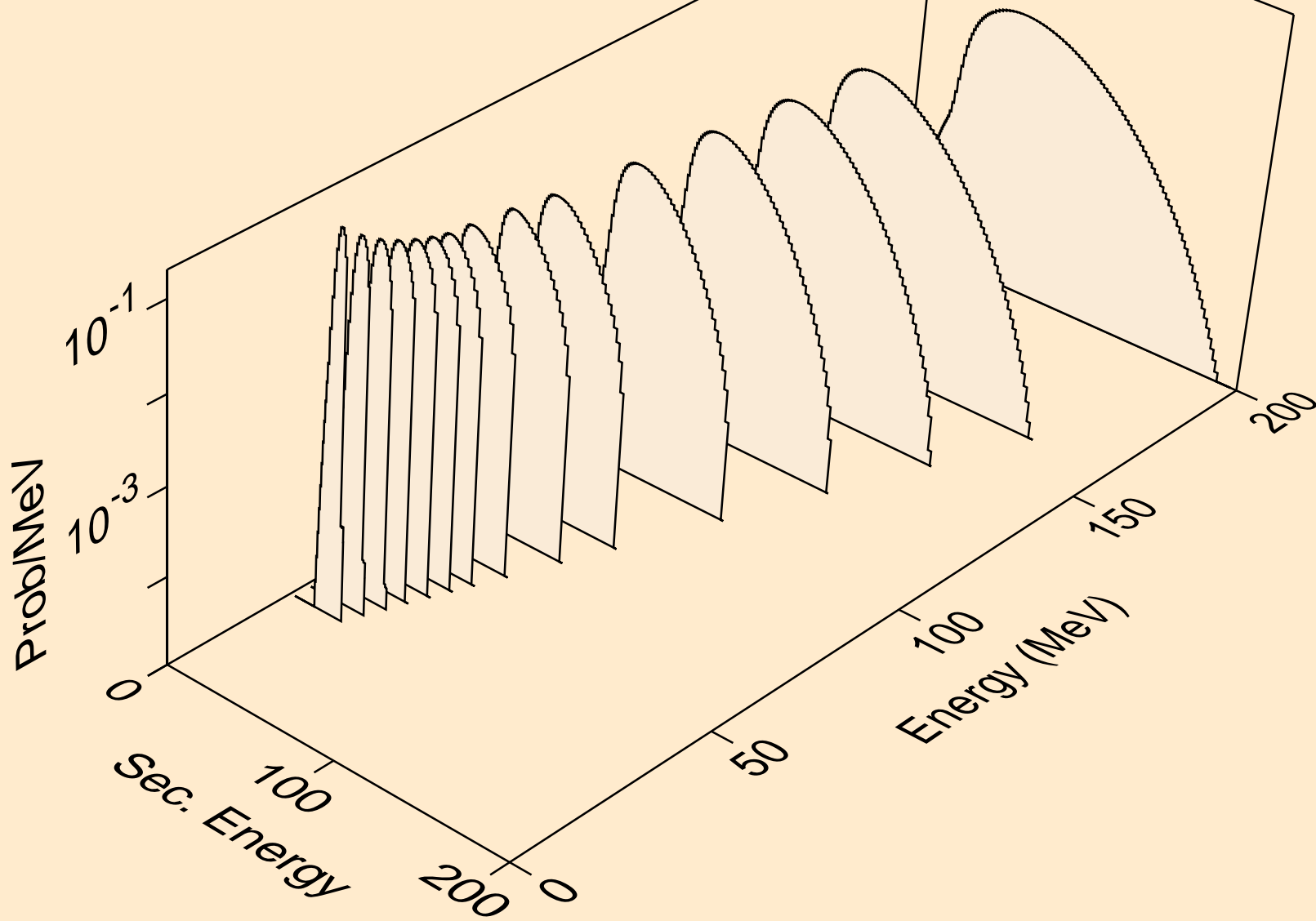
CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,t)



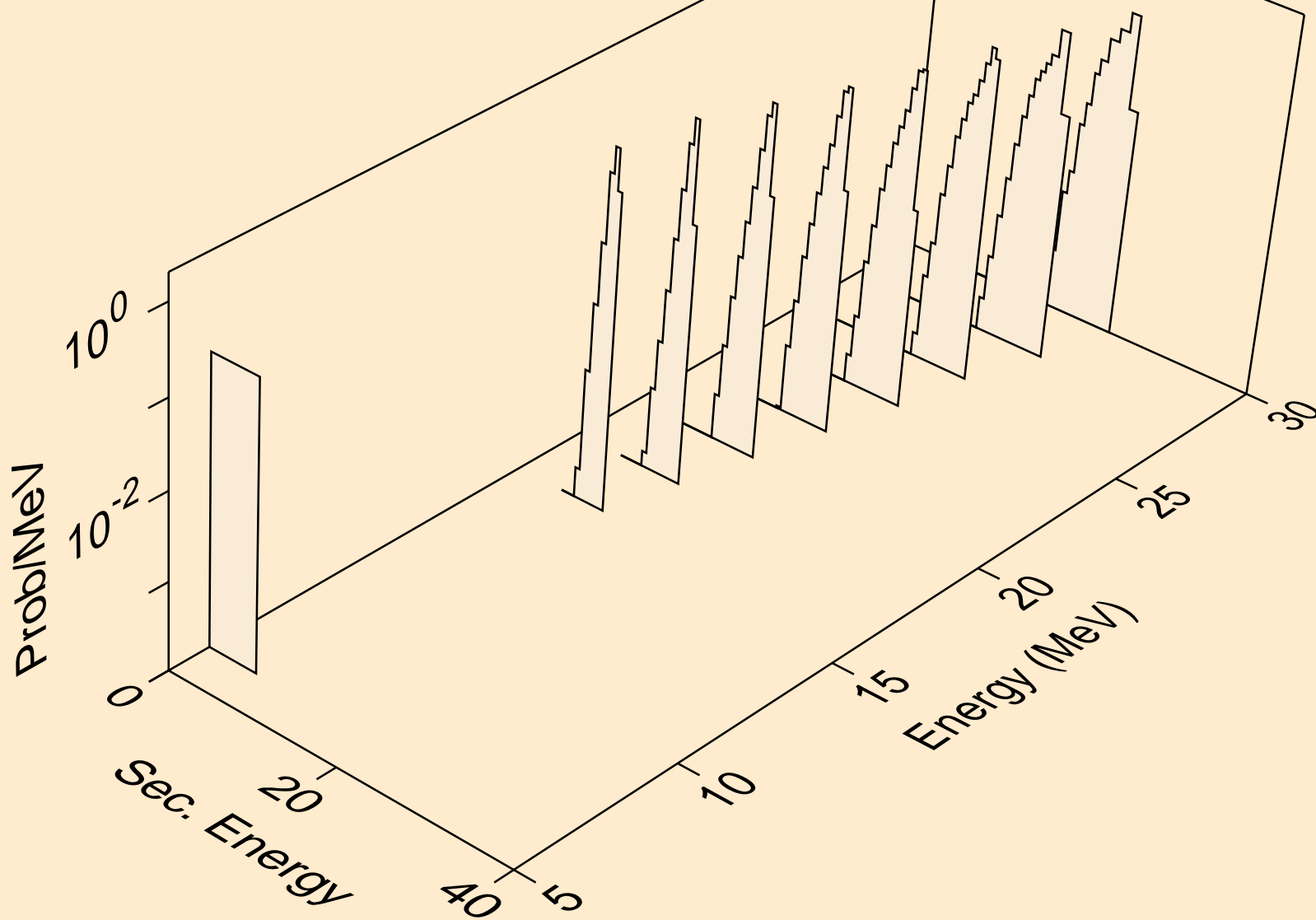
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tritons from (n,pt)



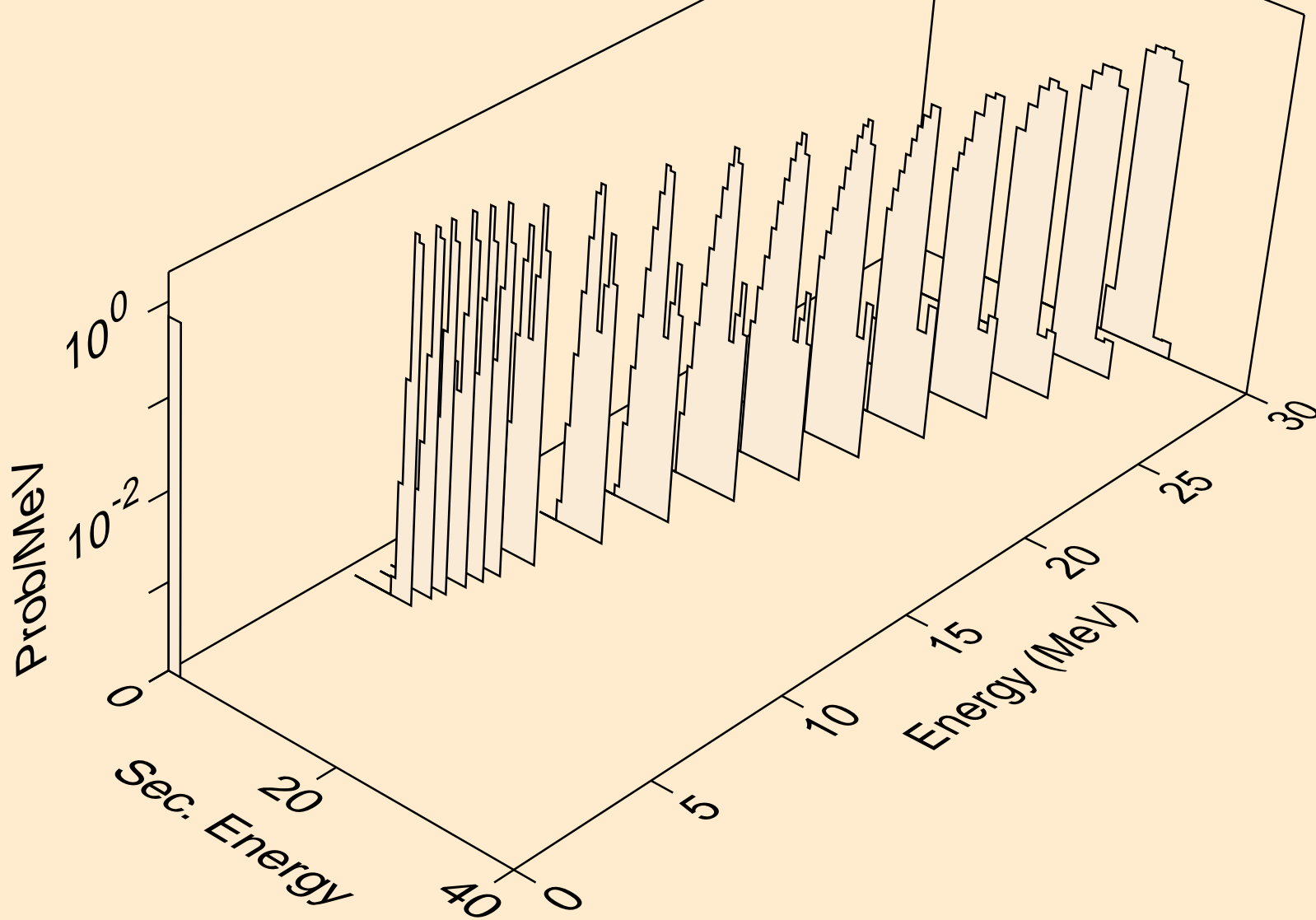
CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,x)



CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,n\*)he3

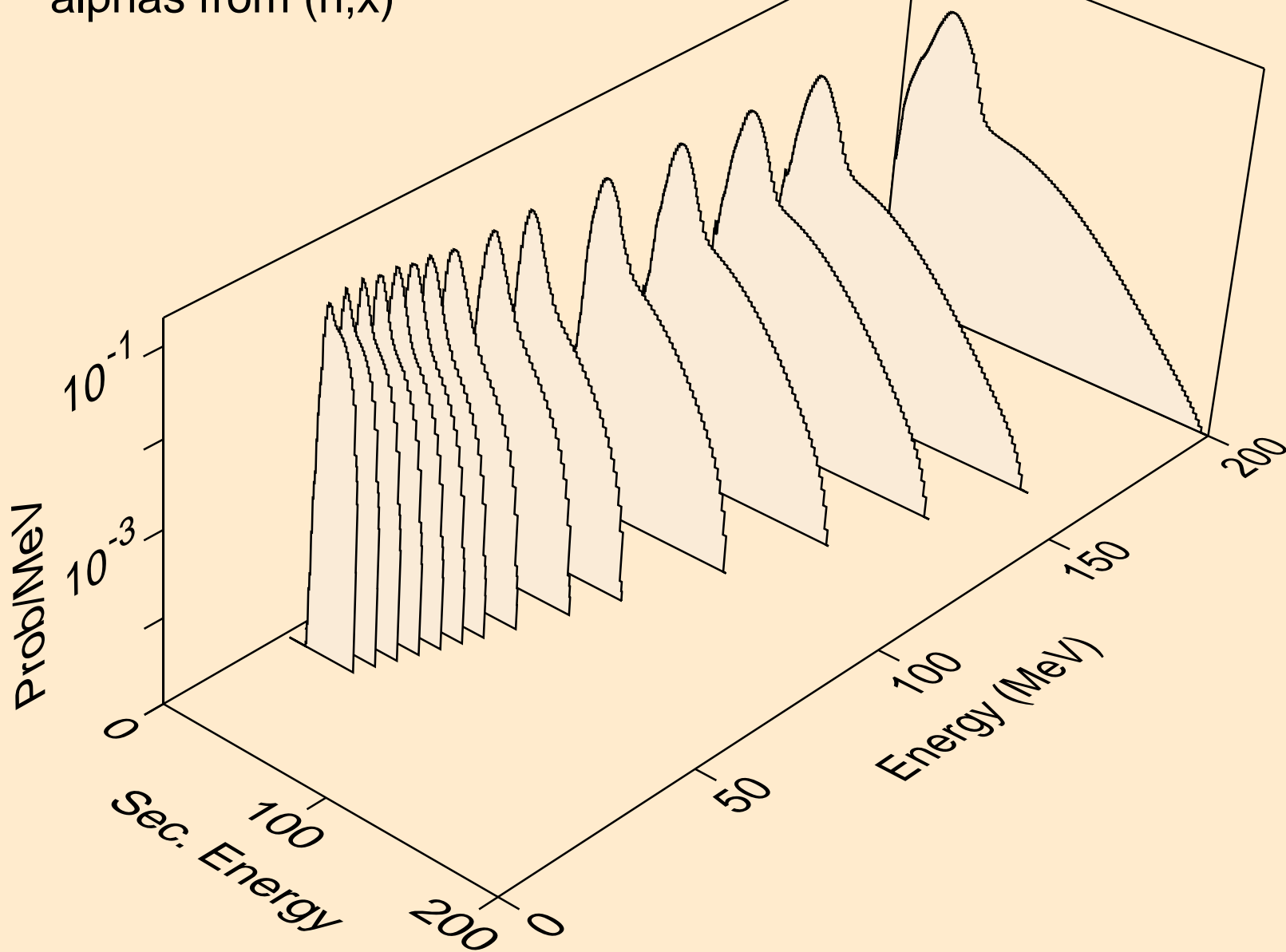


CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,he3)

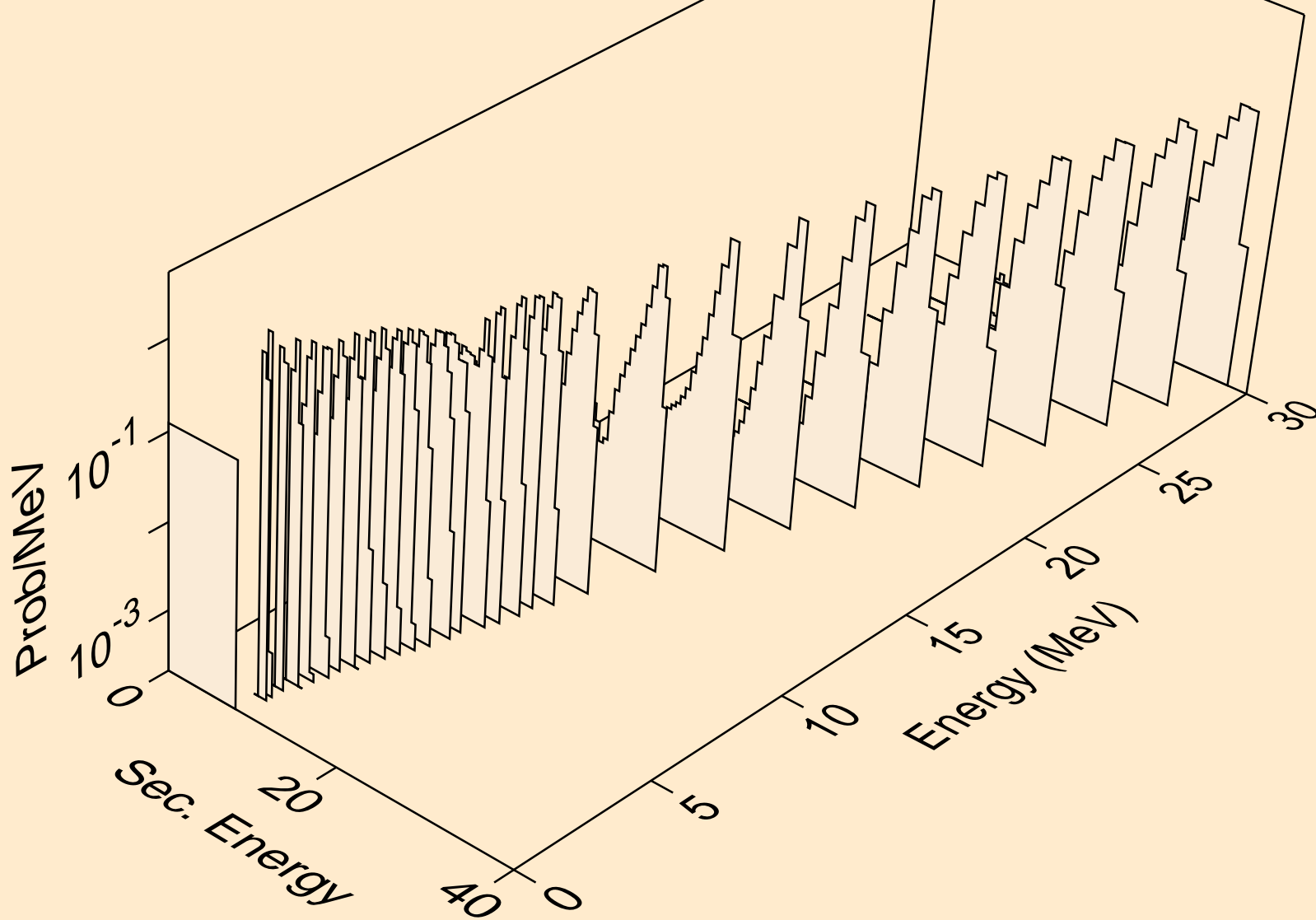




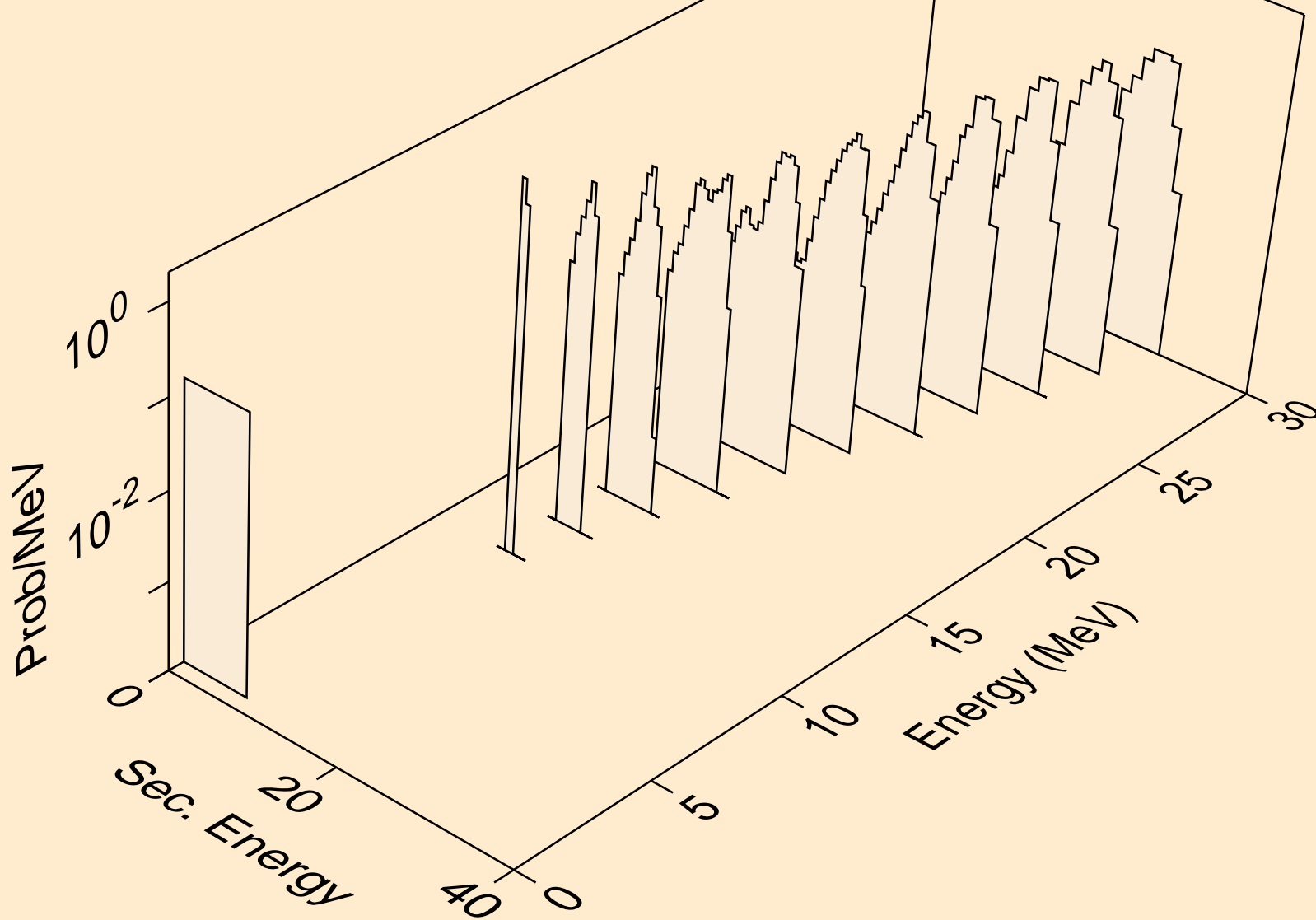
CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,x)



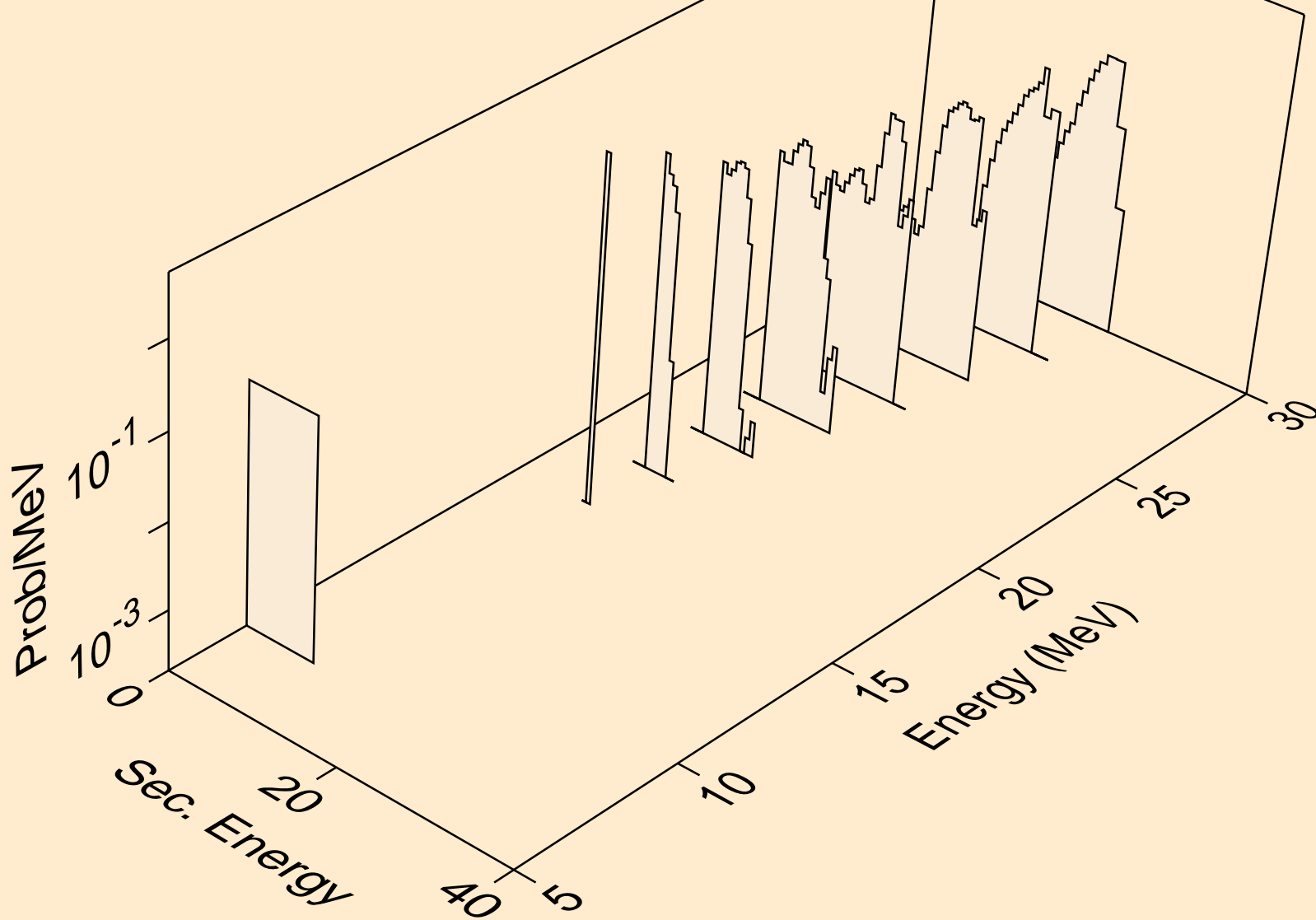
CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)a



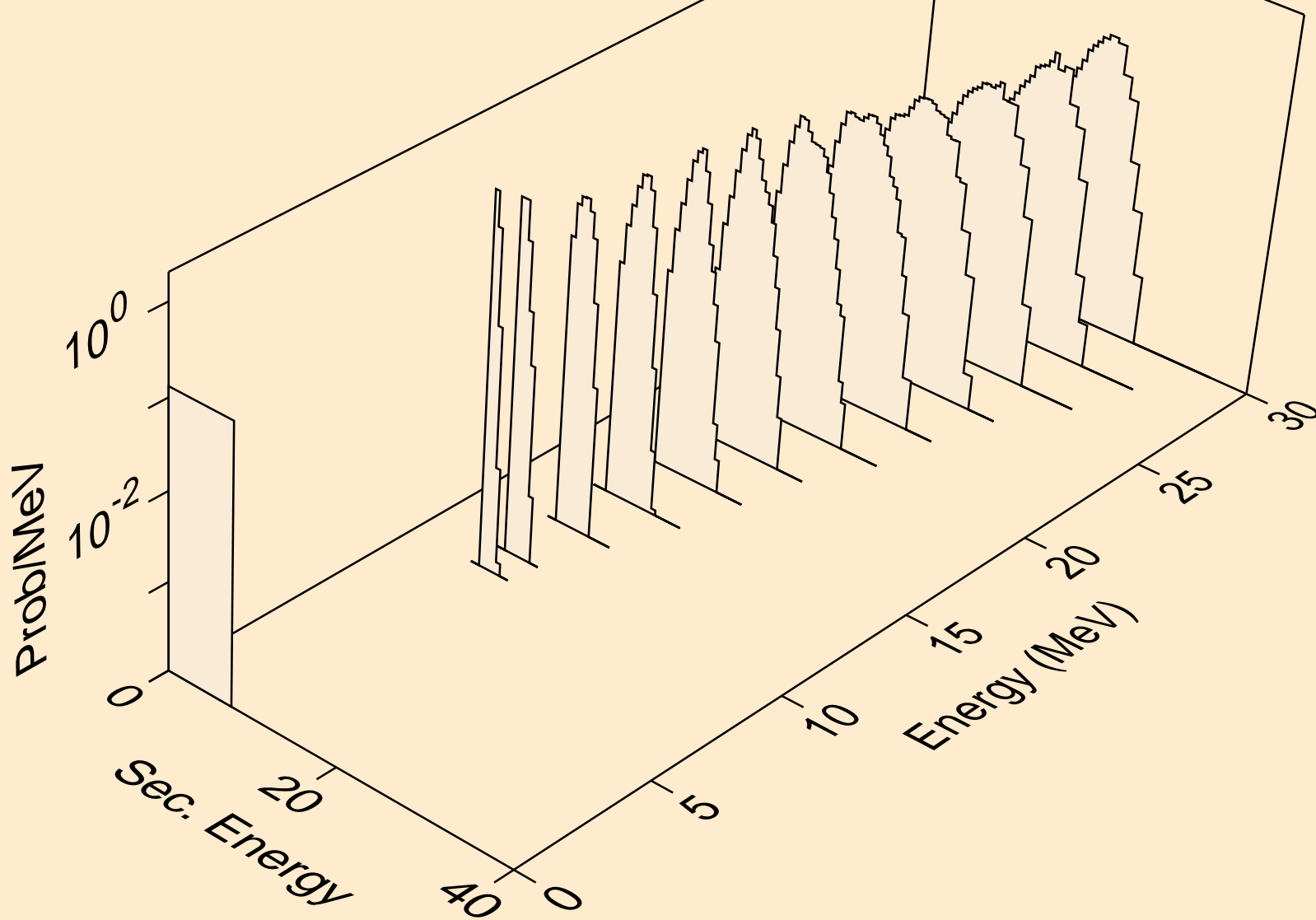
CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2n)a



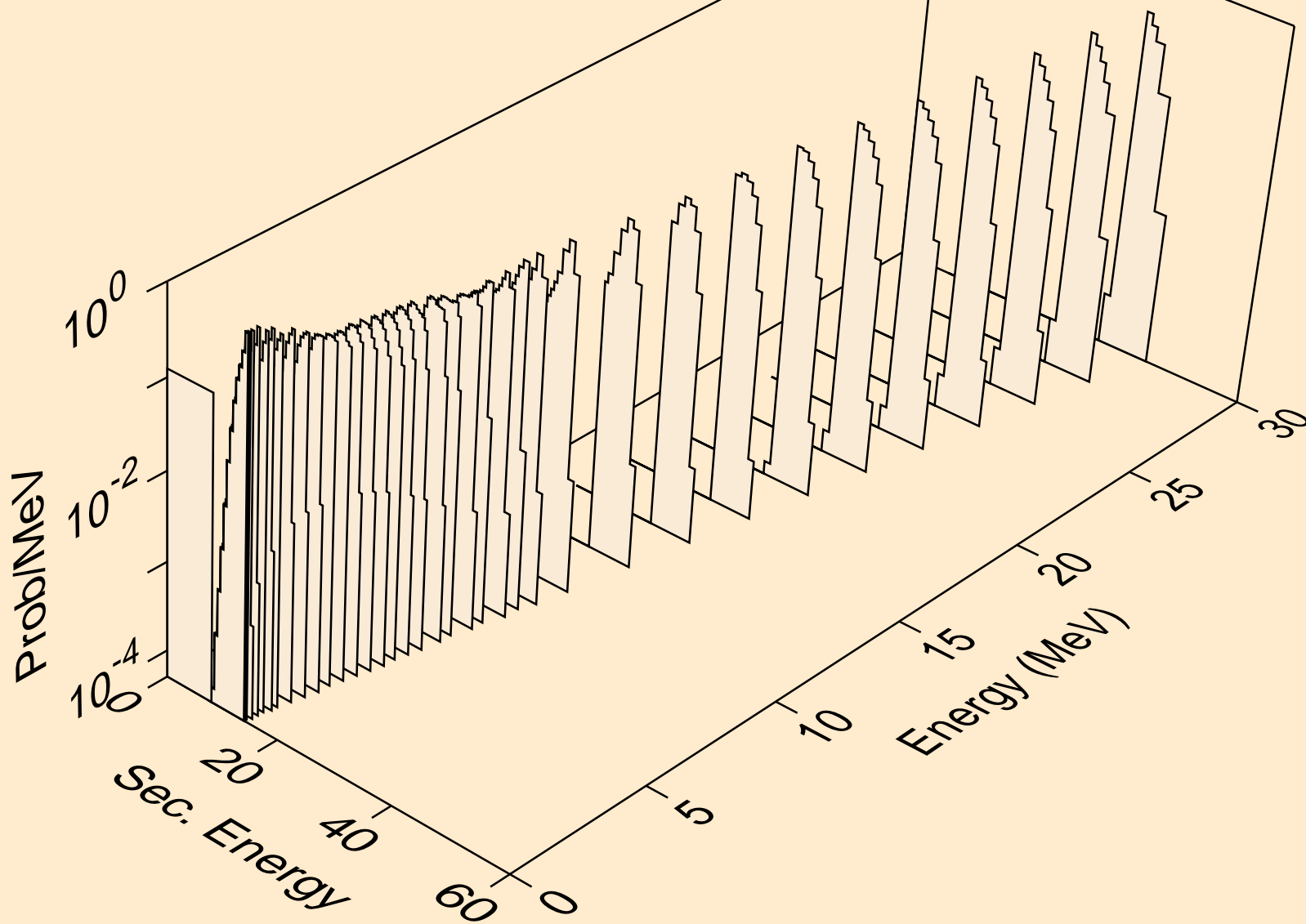
CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,3n)a



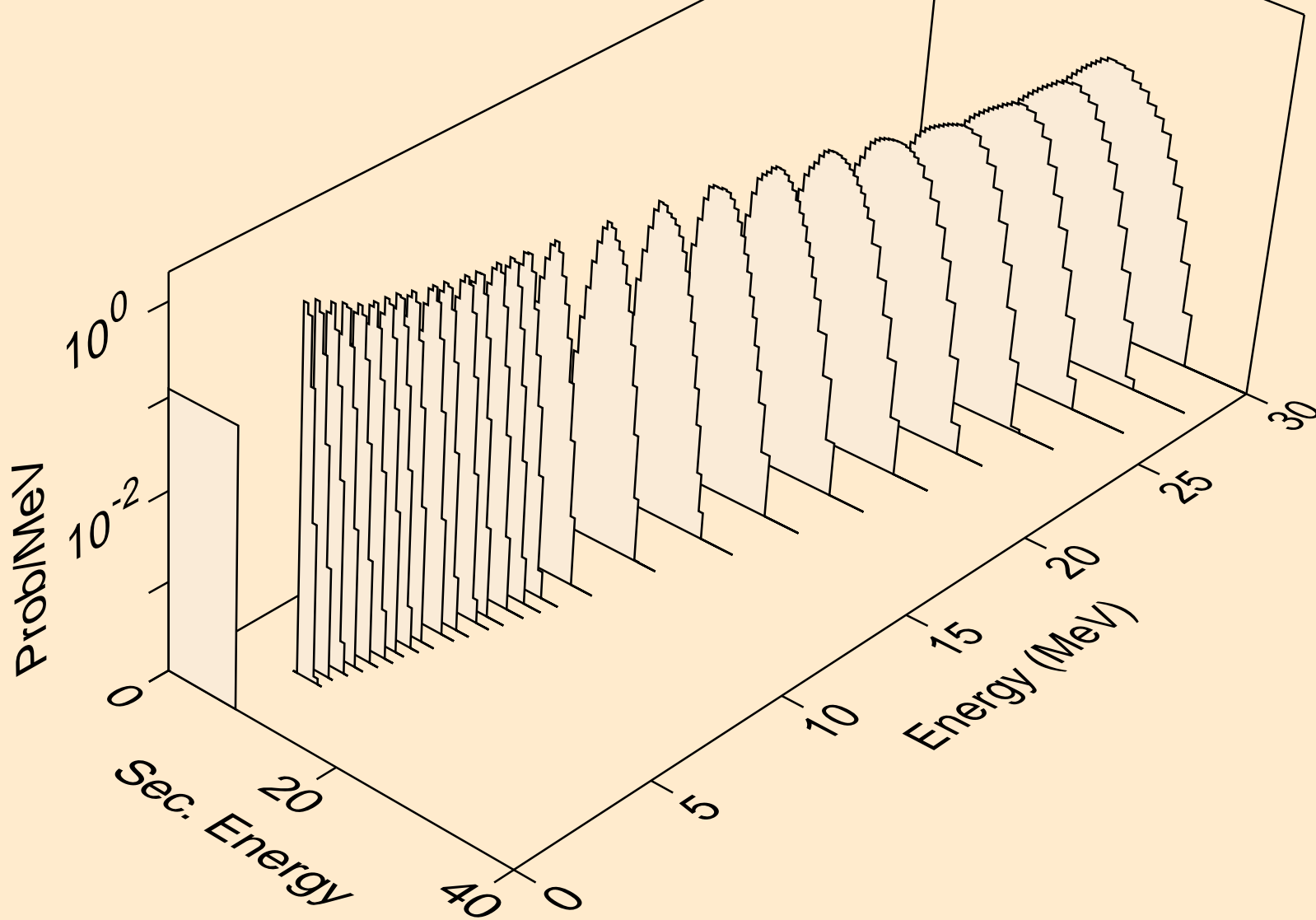
CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,npa)



CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,a)



CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,pa)



CF240 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,da)

