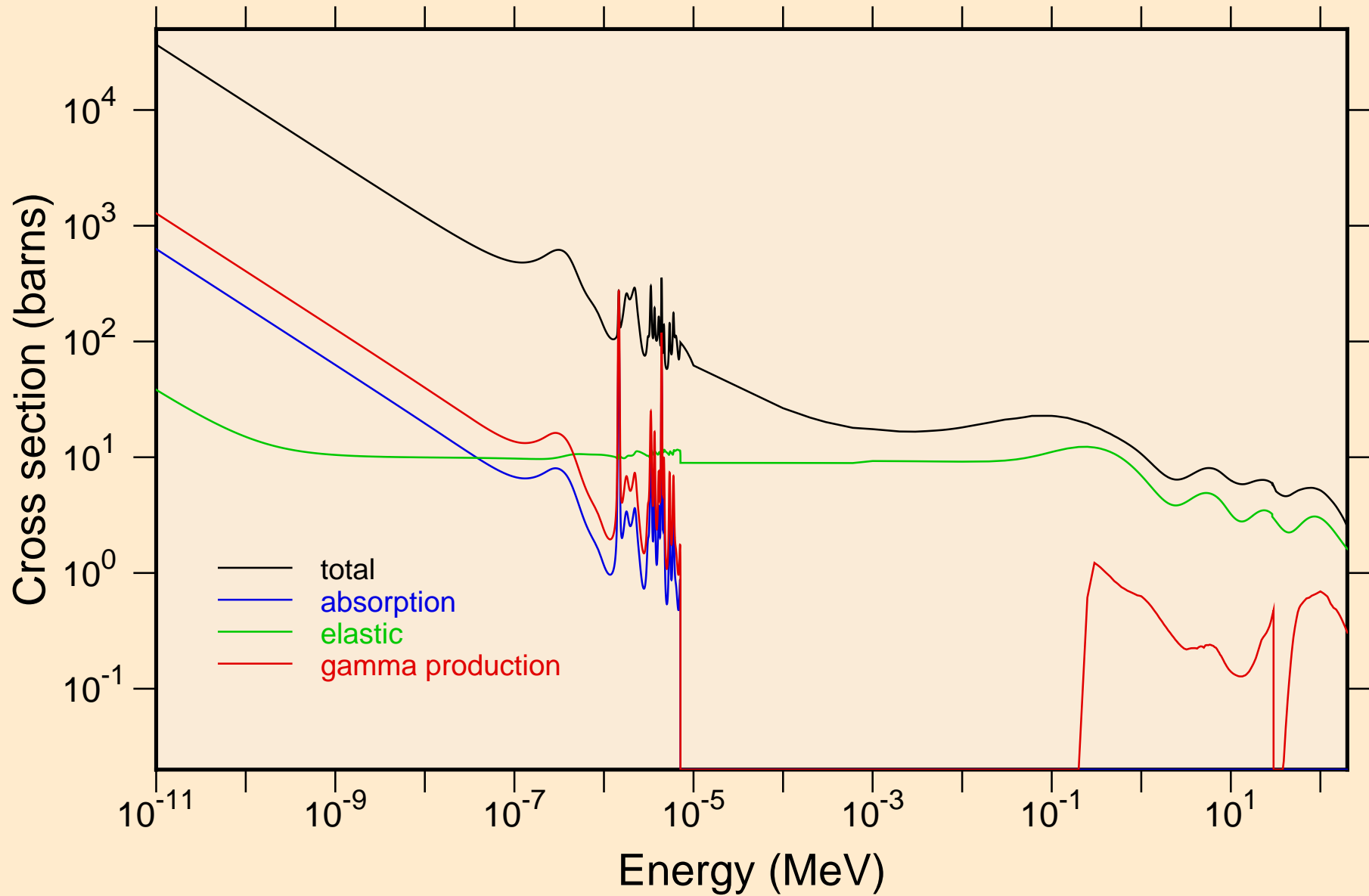
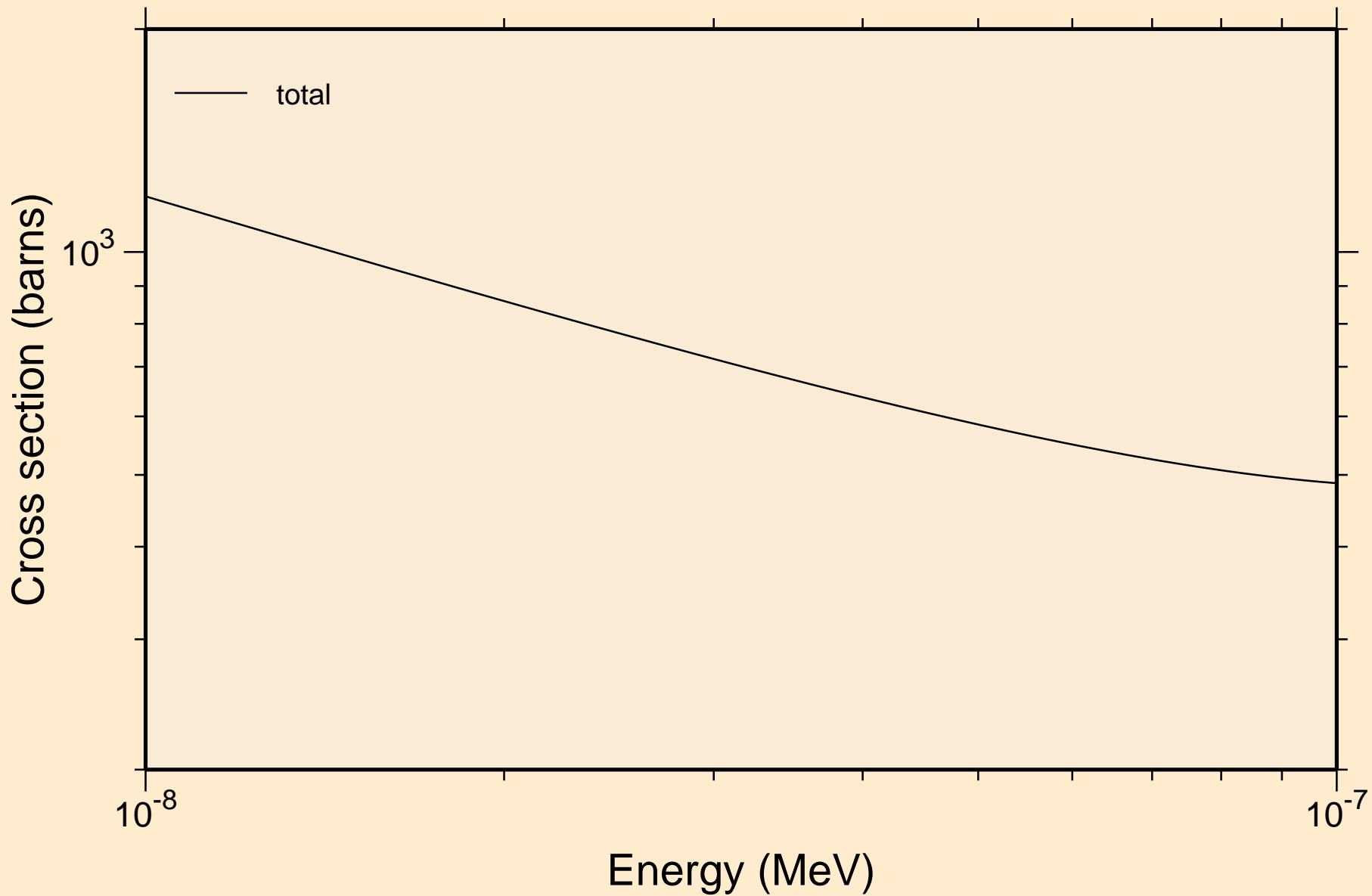


# PU233 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

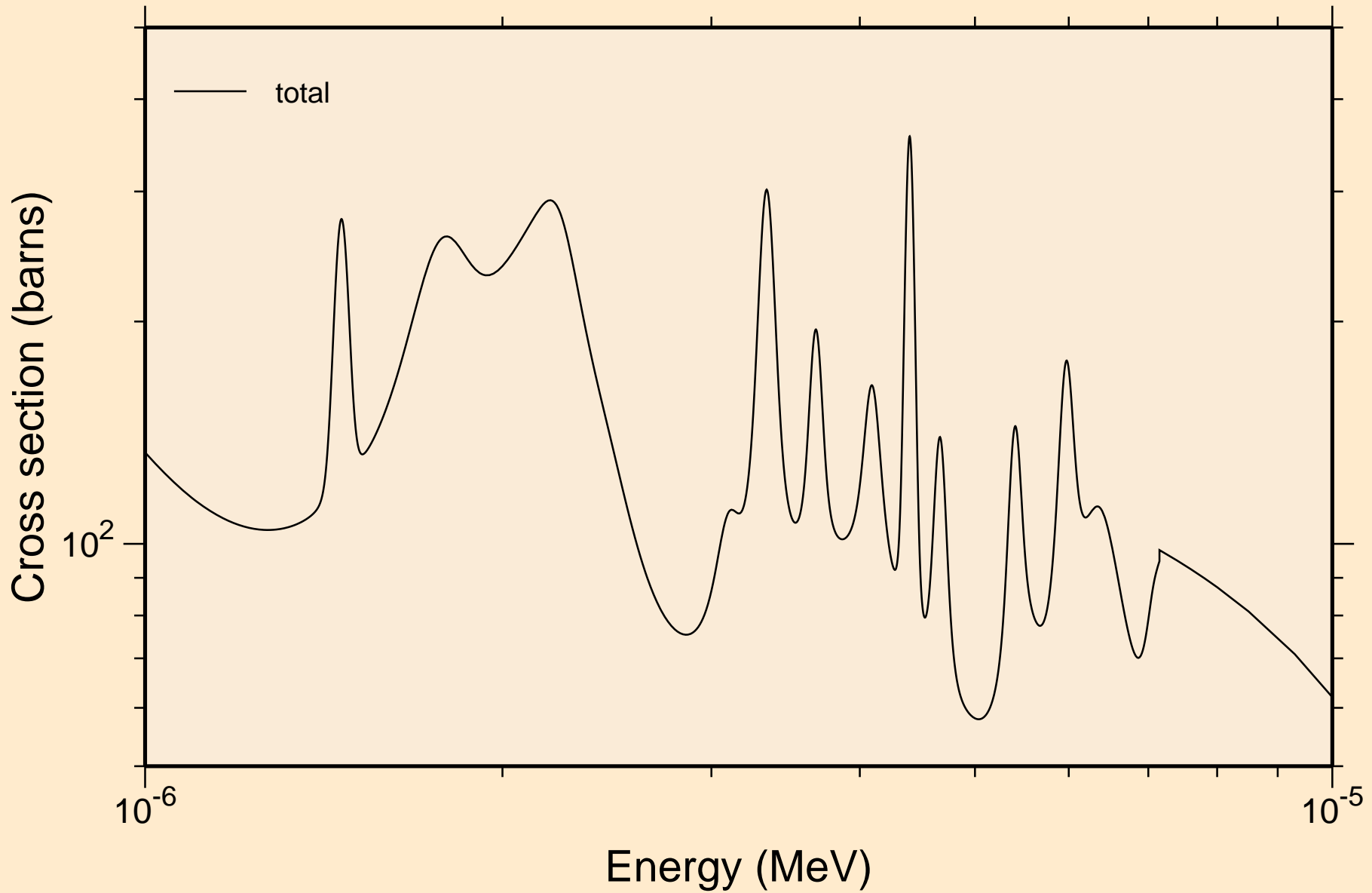
## Principal cross sections



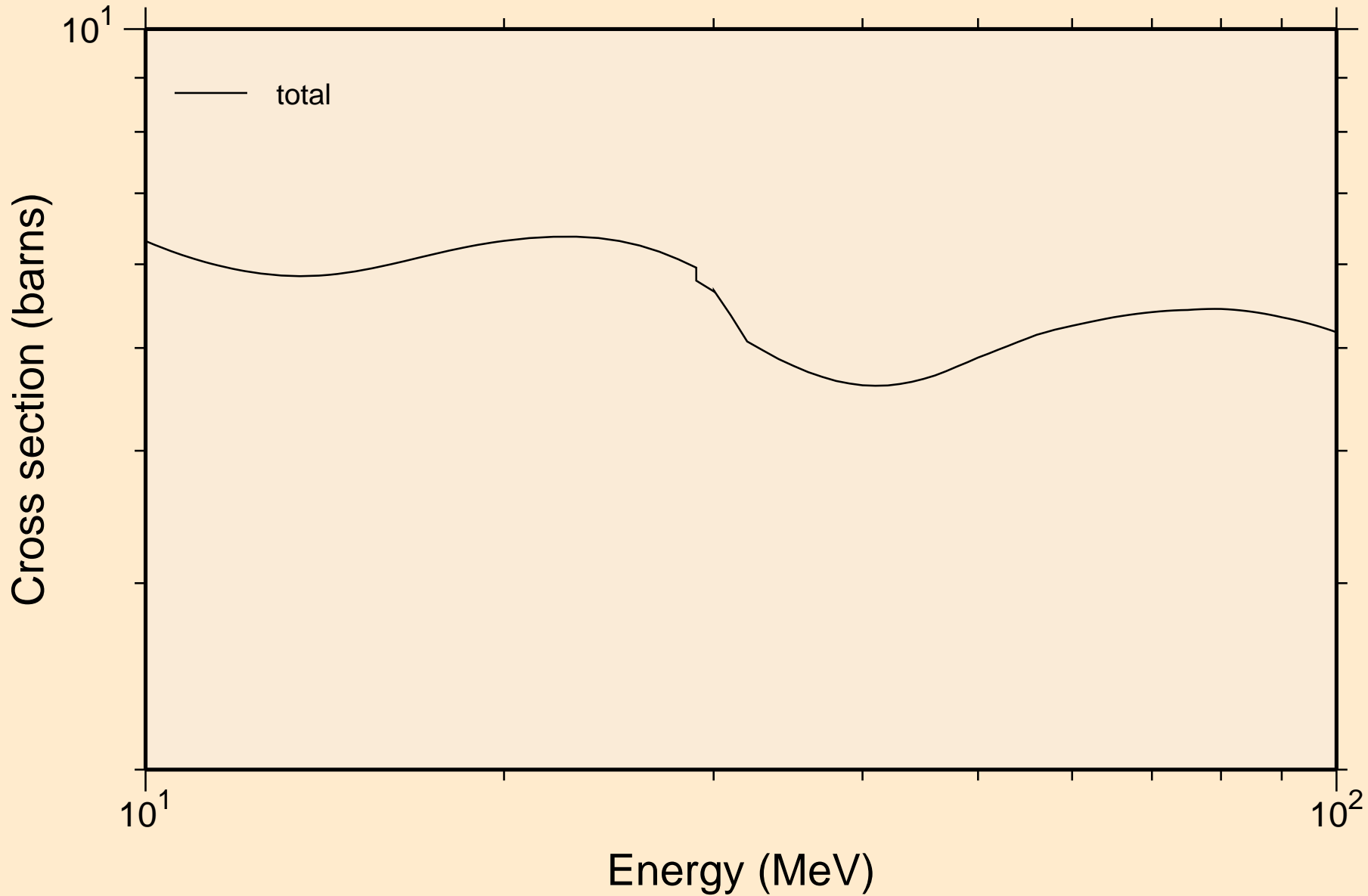
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resonance total cross section



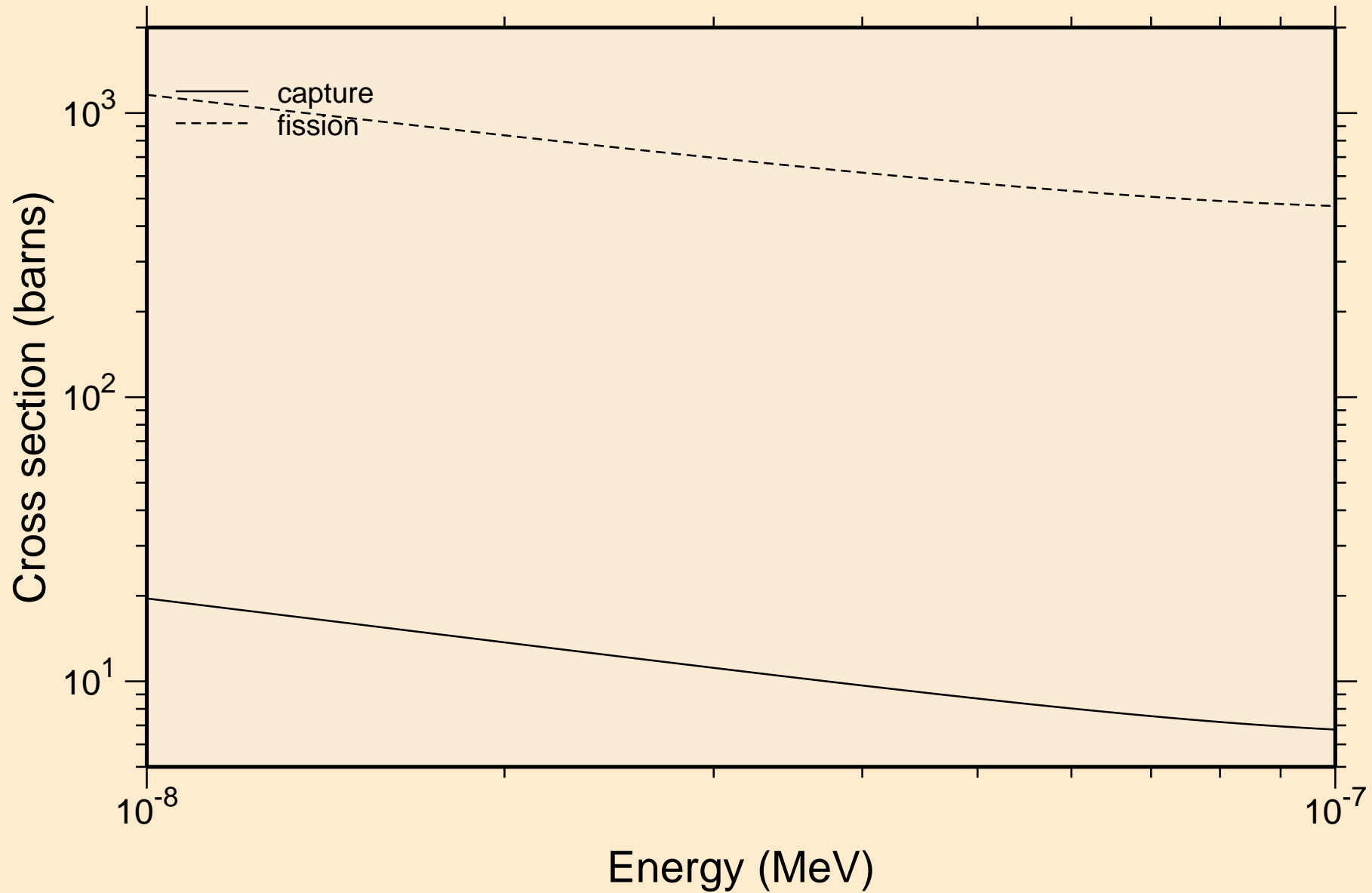
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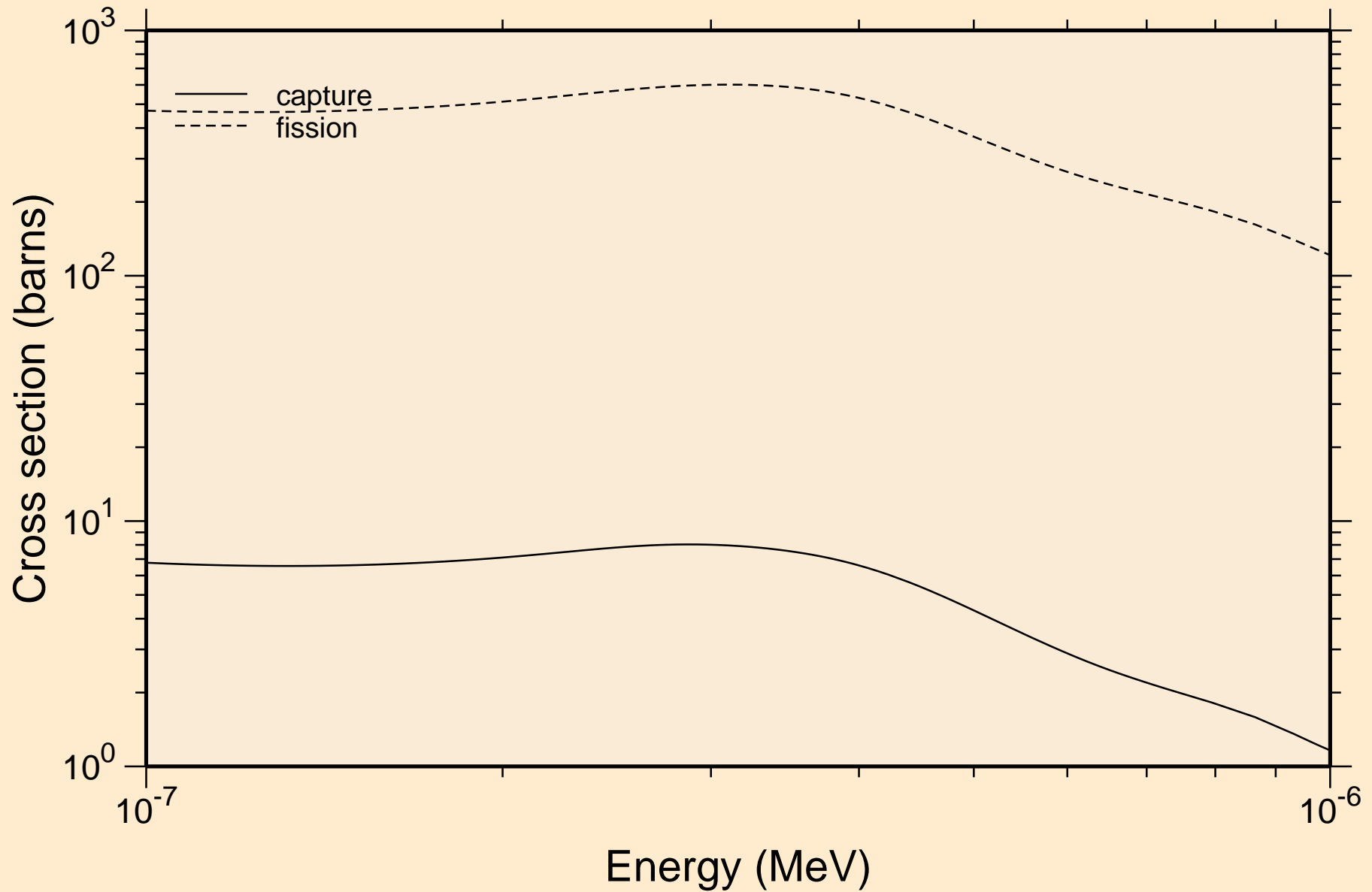
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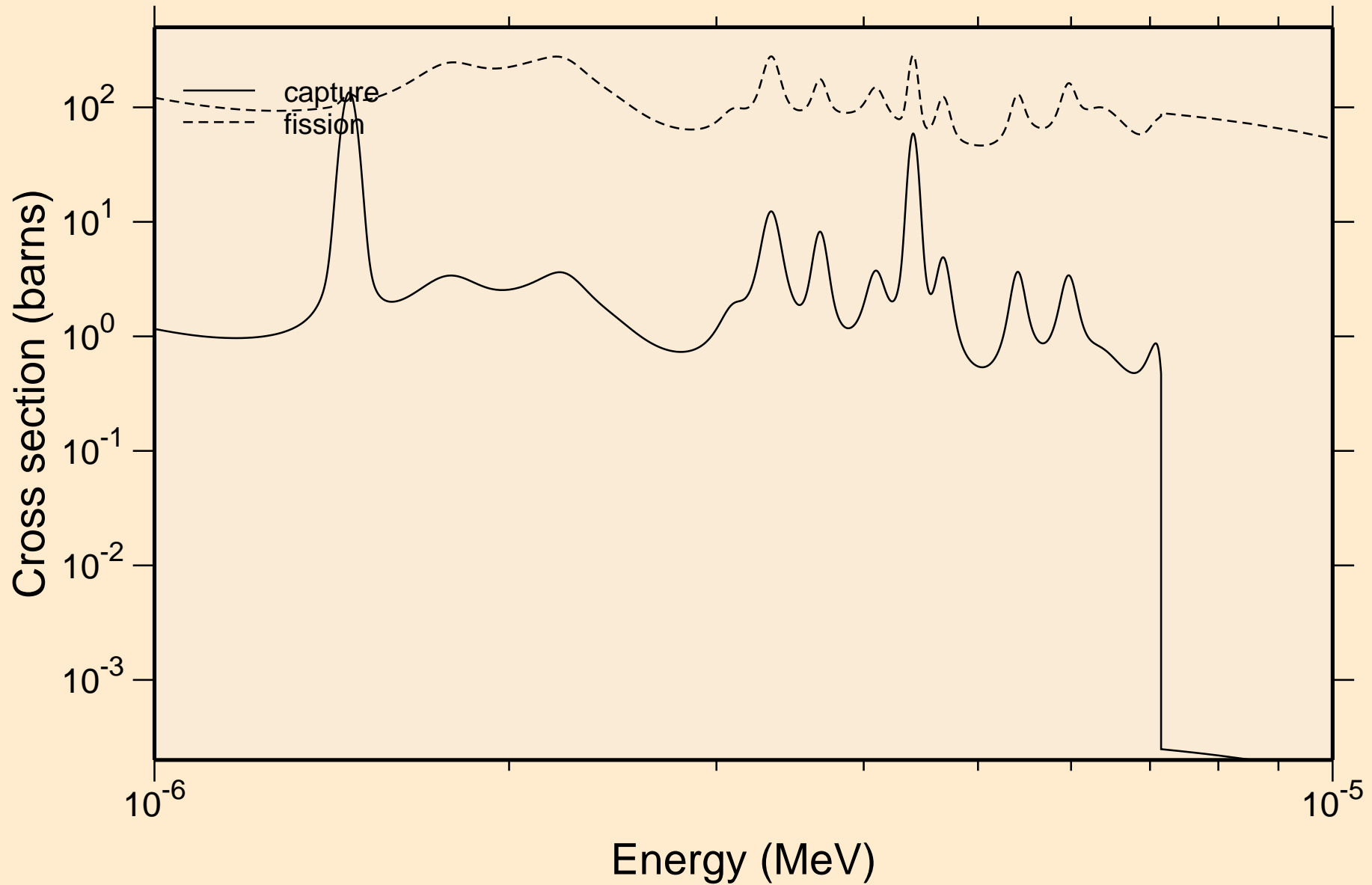
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resonance absorption cross sections



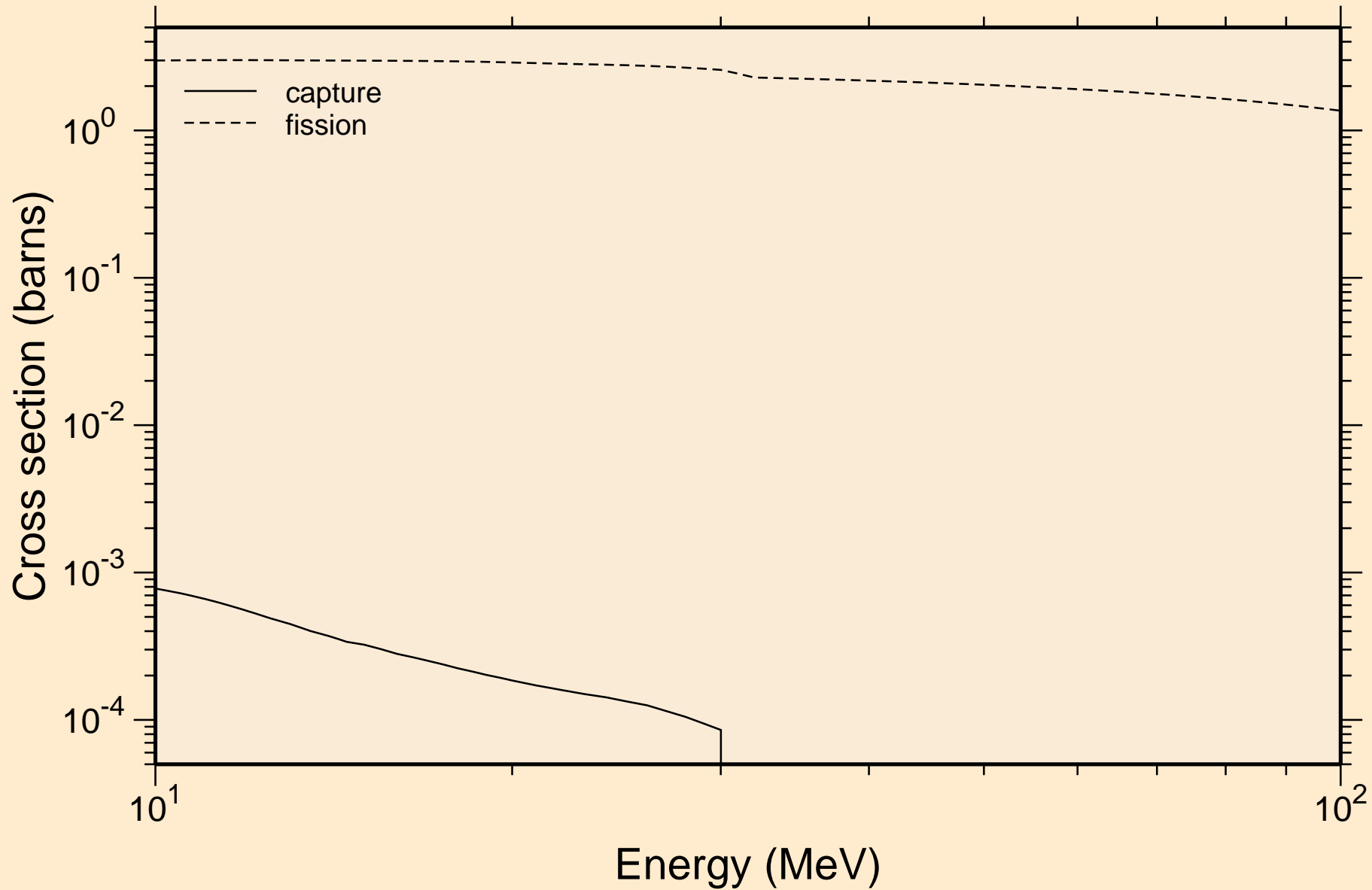
PU233 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



PU233 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections

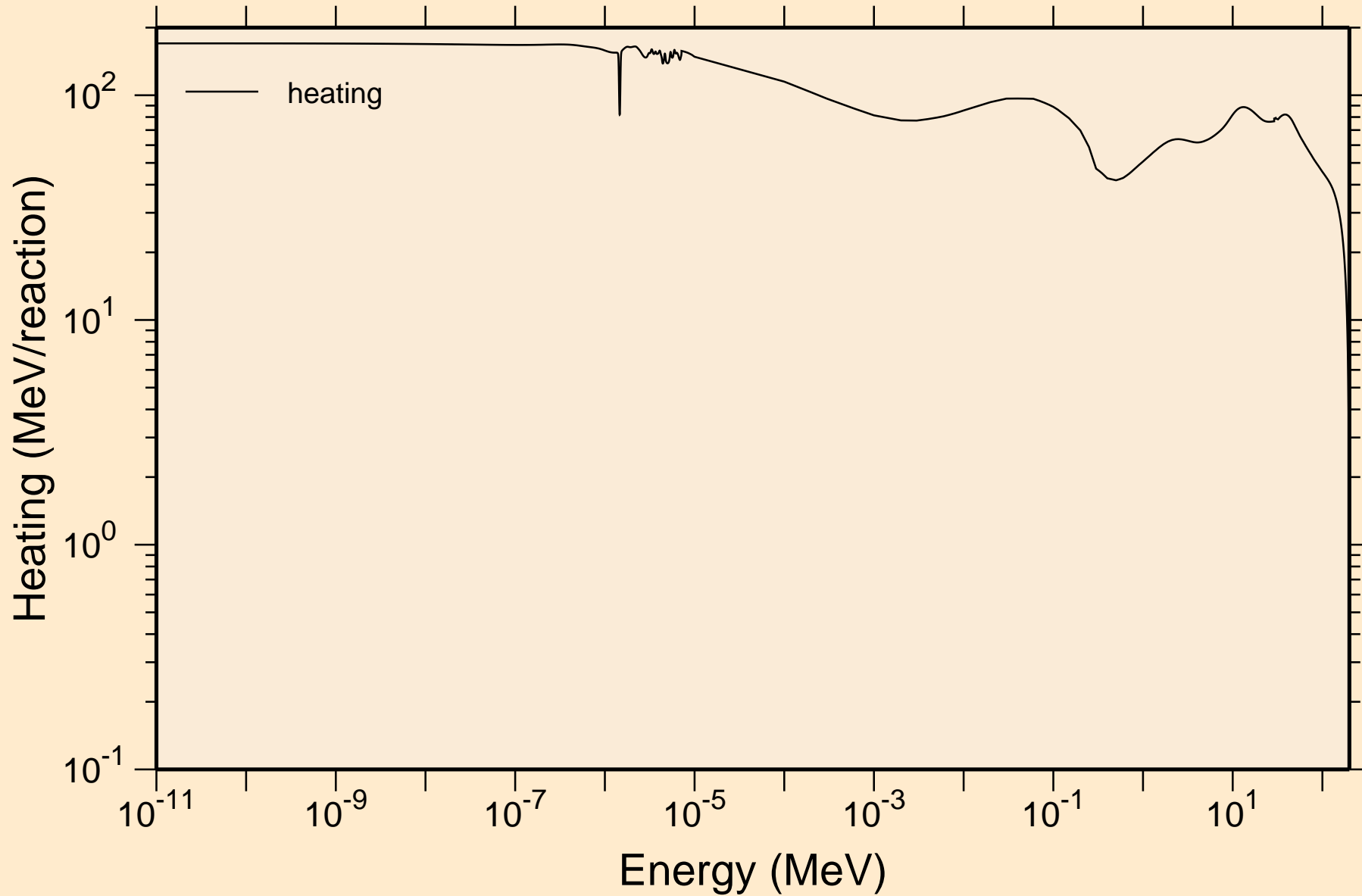


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resonance absorption cross sections

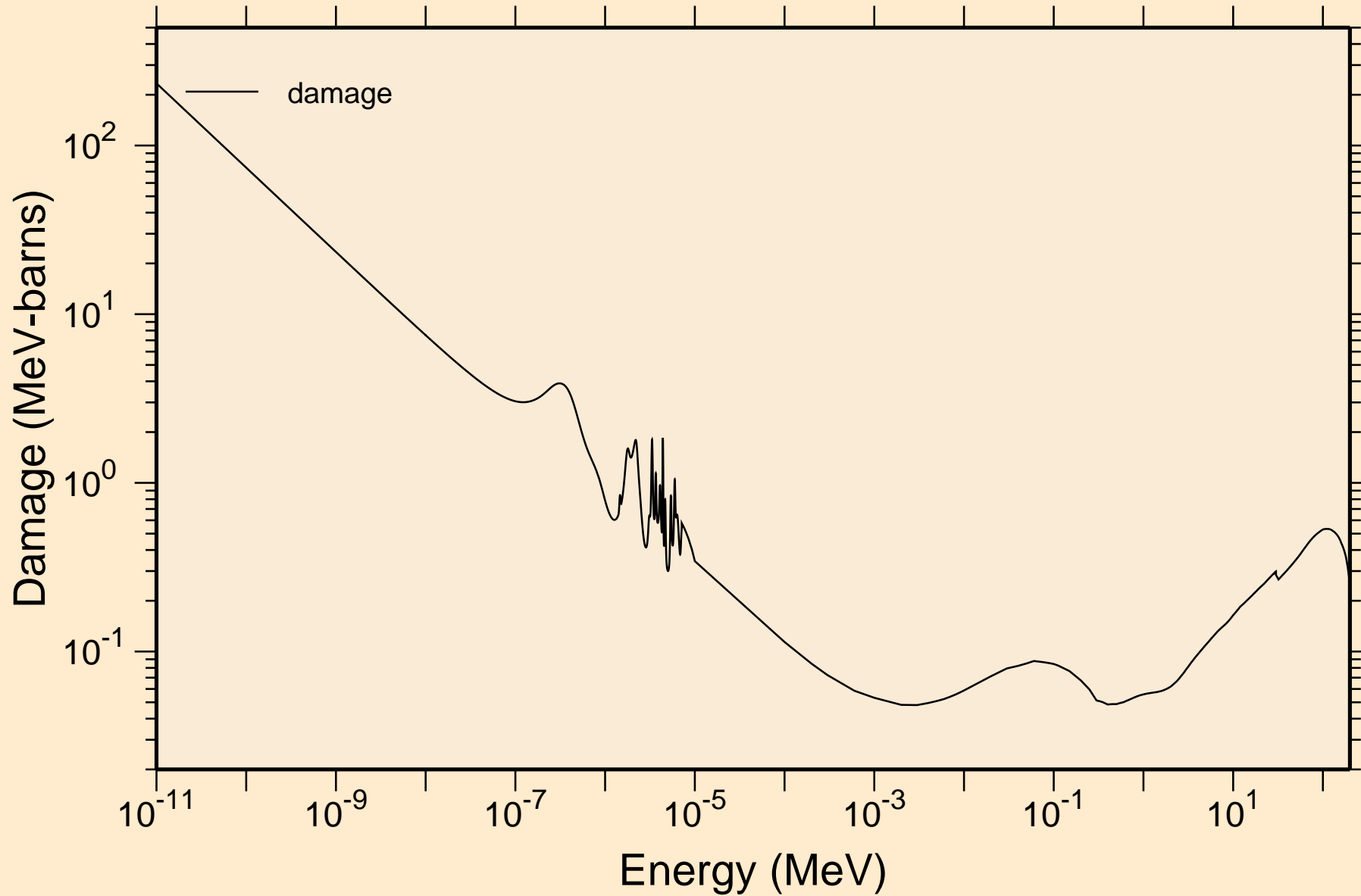




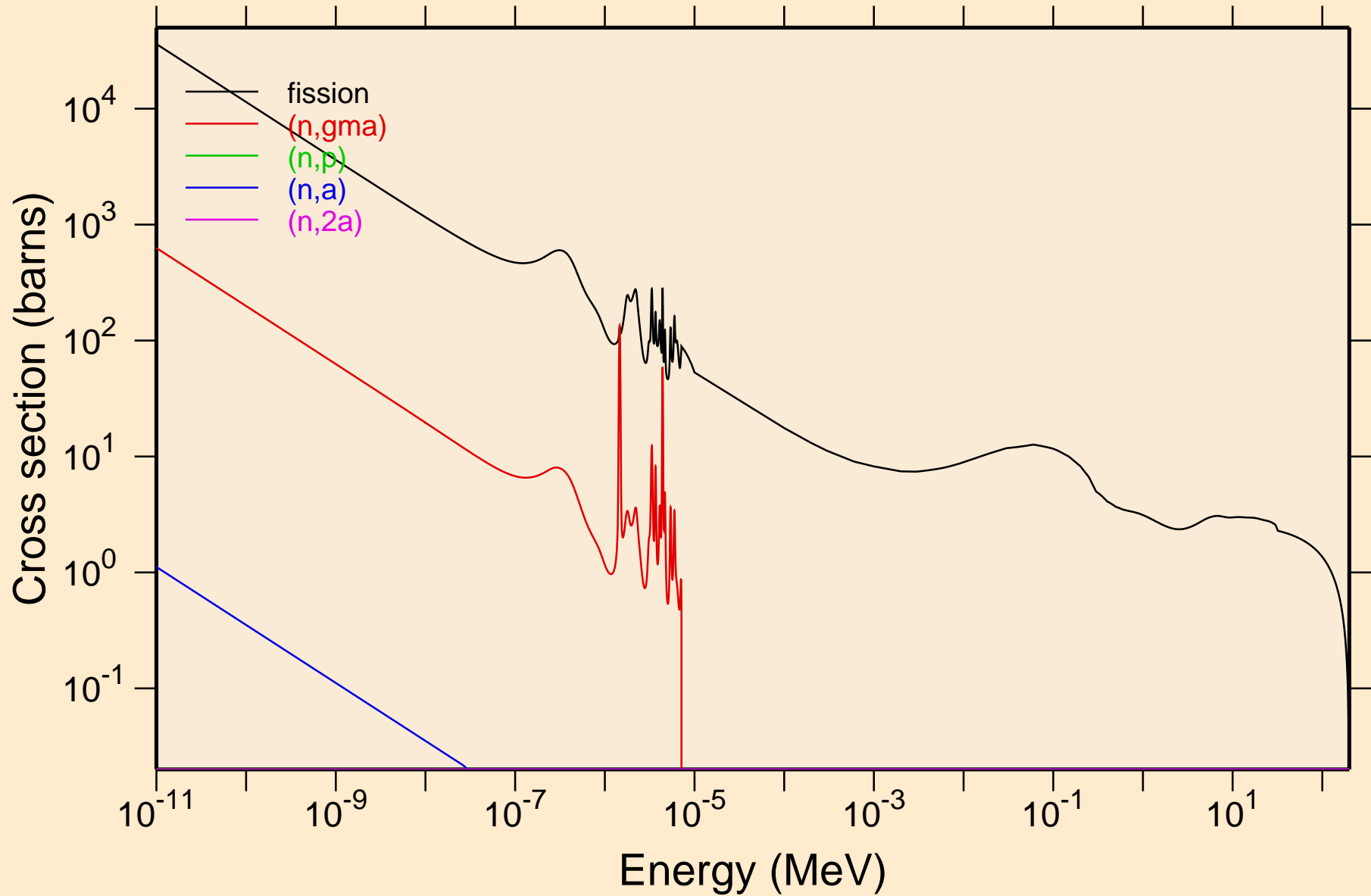
PU233 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Heating



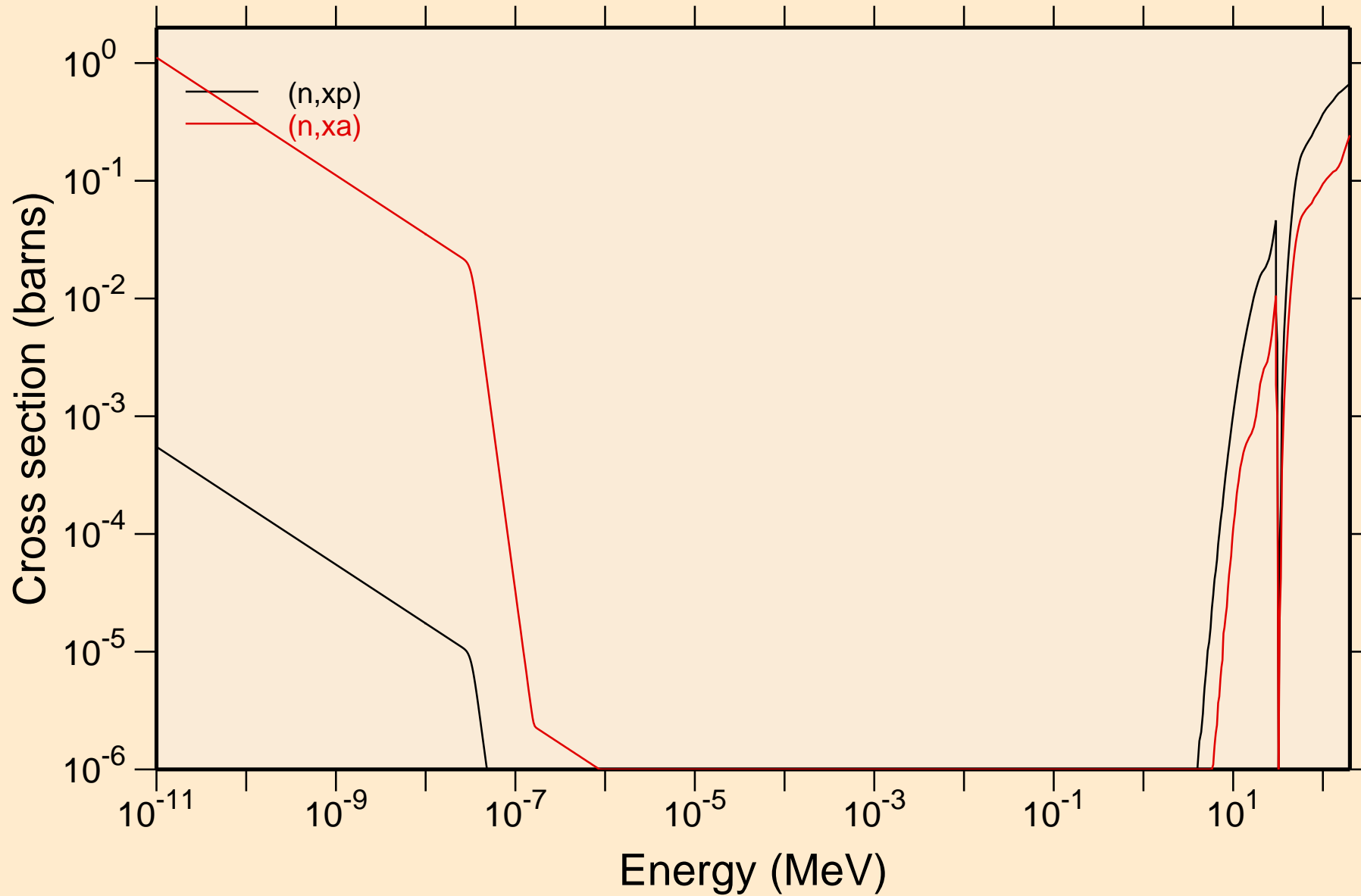
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Damage



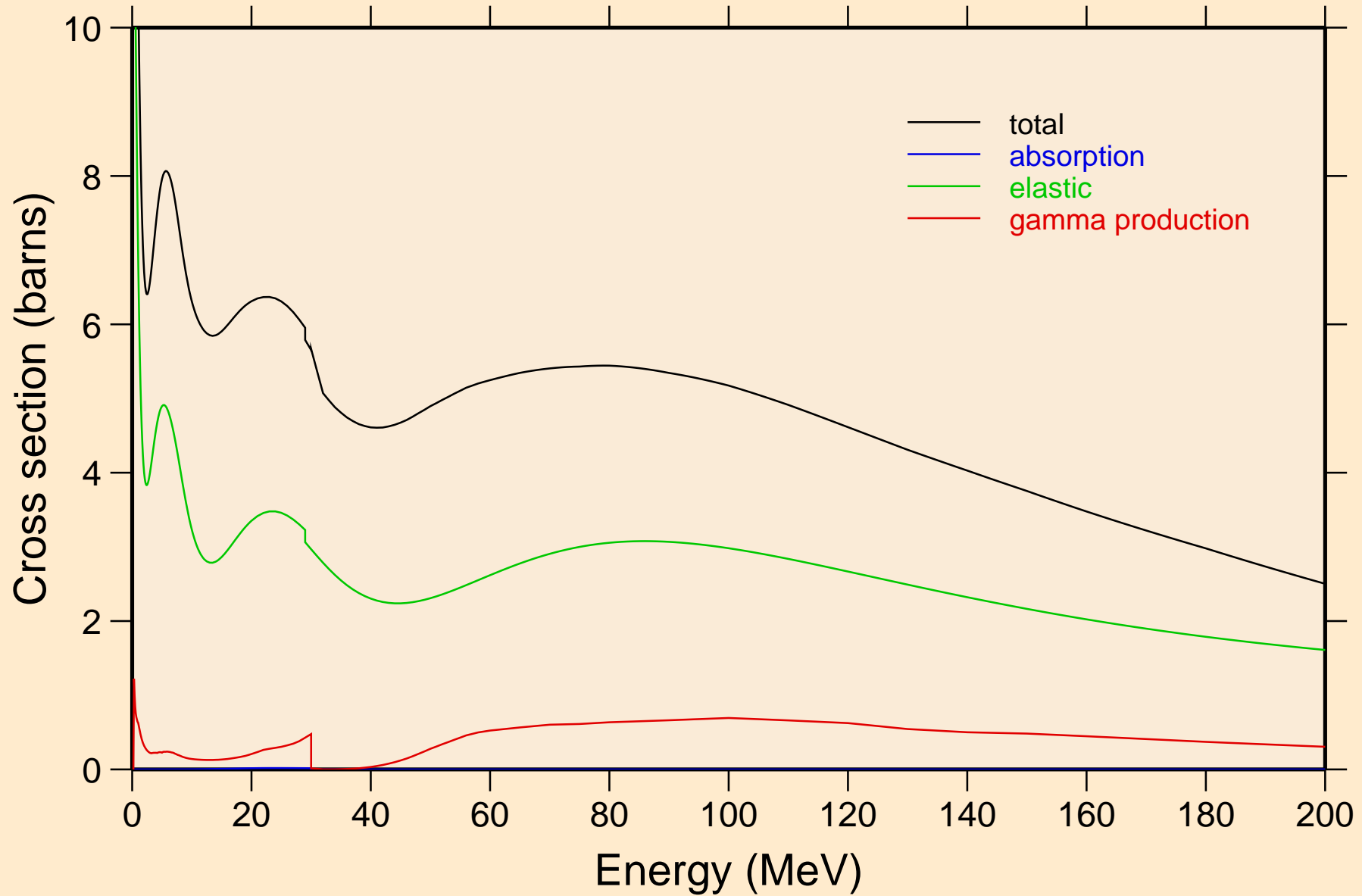
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Non-threshold reactions



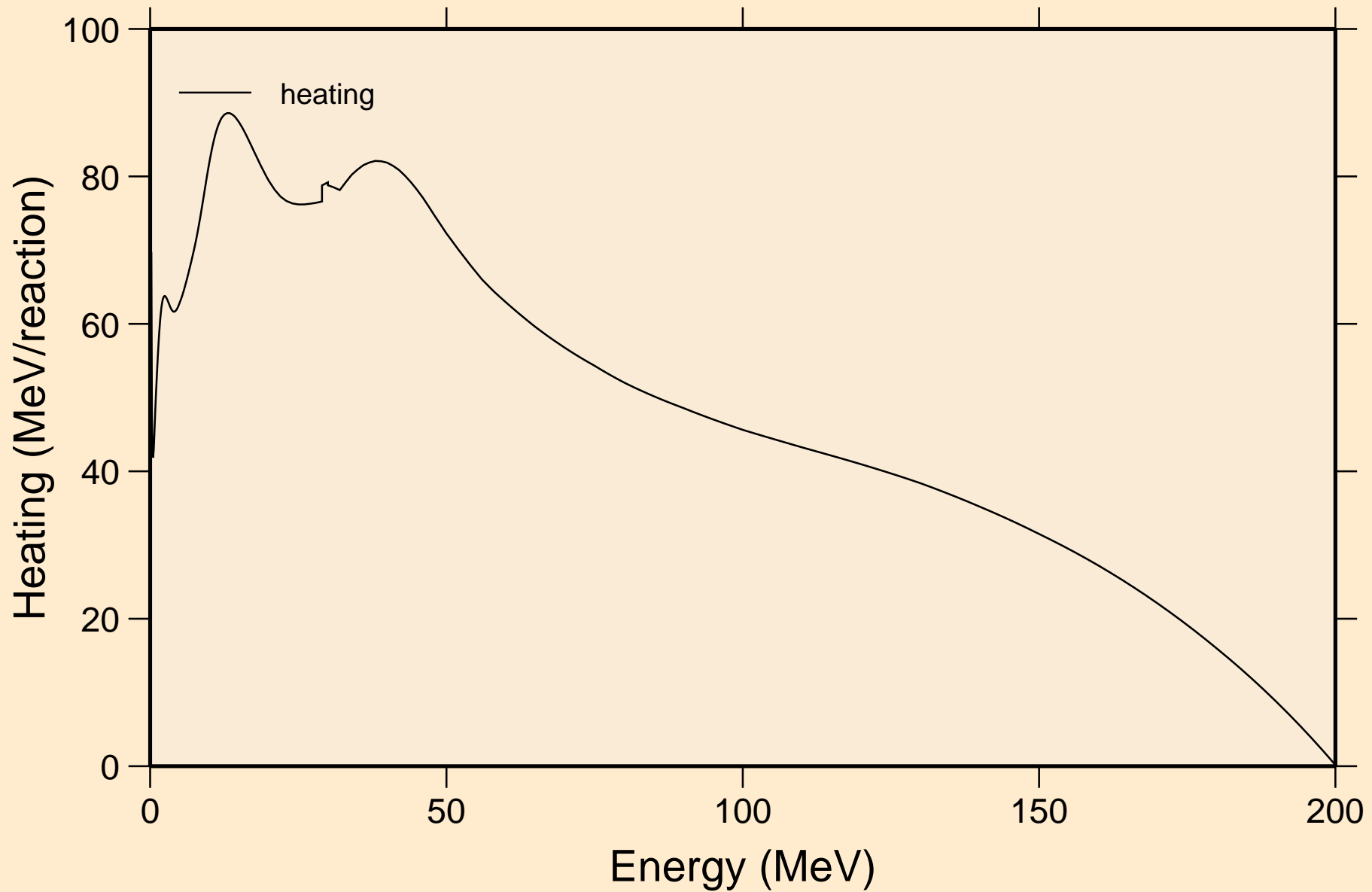
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Non-threshold reactions



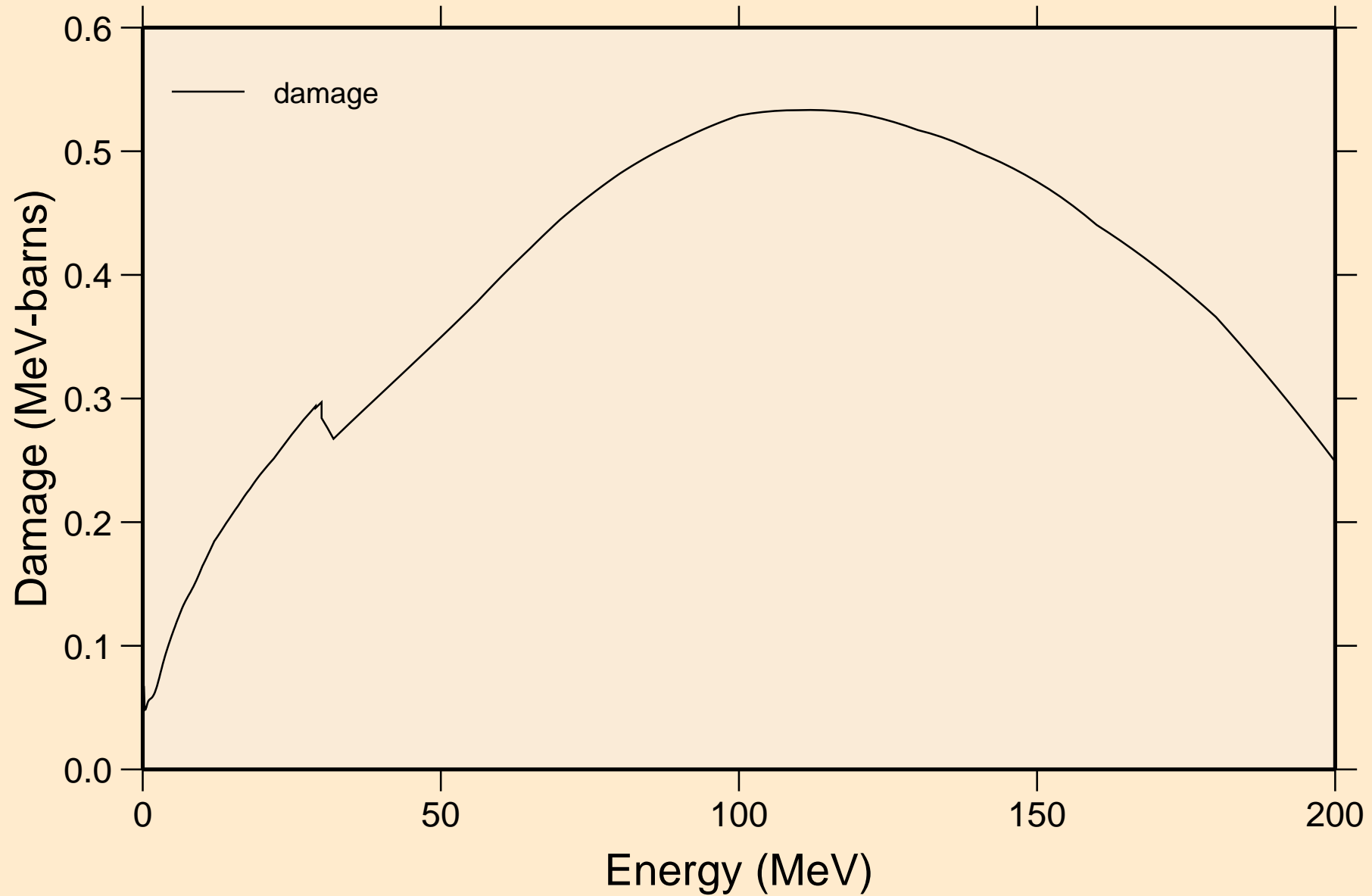
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Principal cross sections



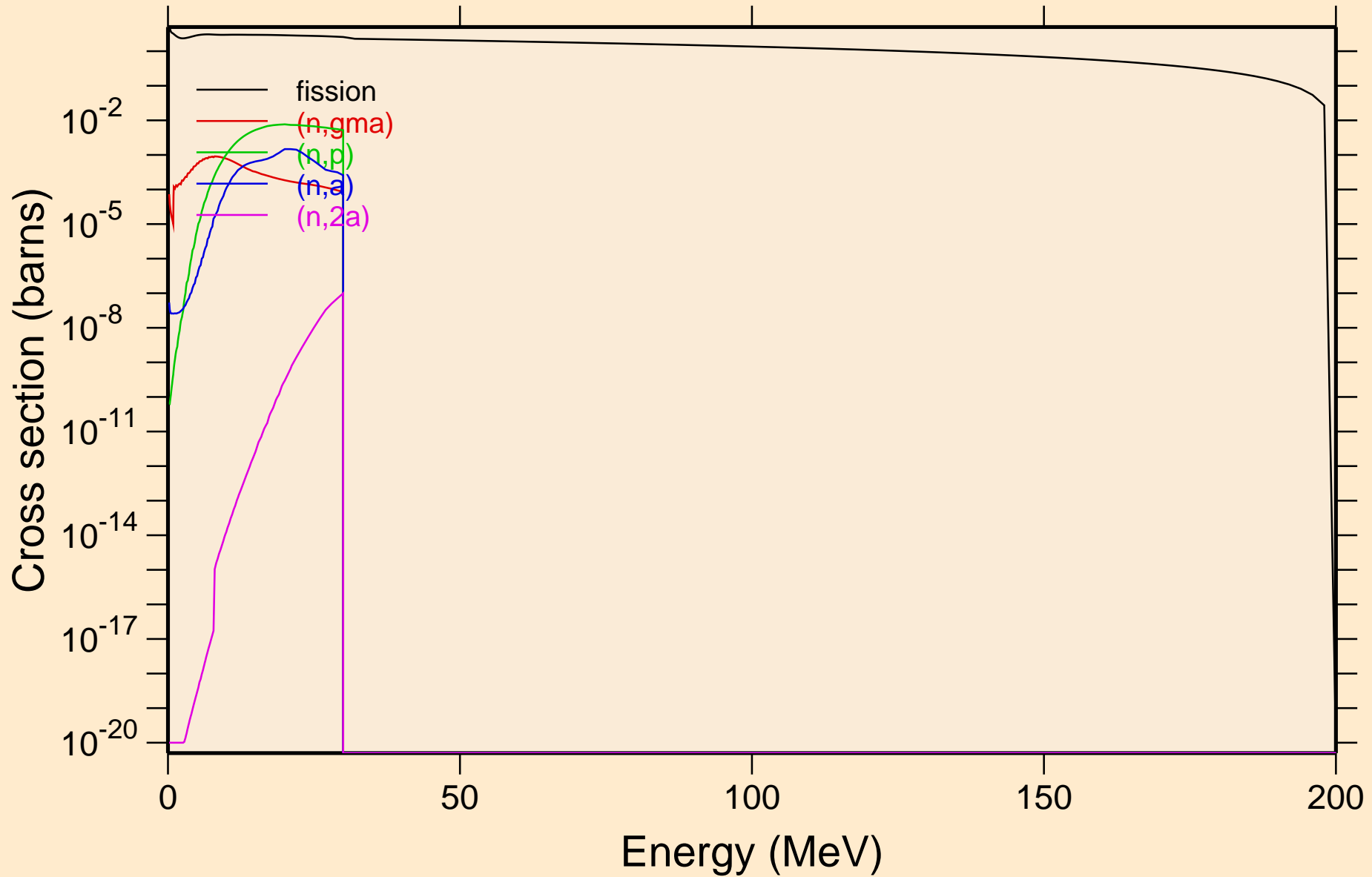
PU233 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Heating



PU233 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Damage

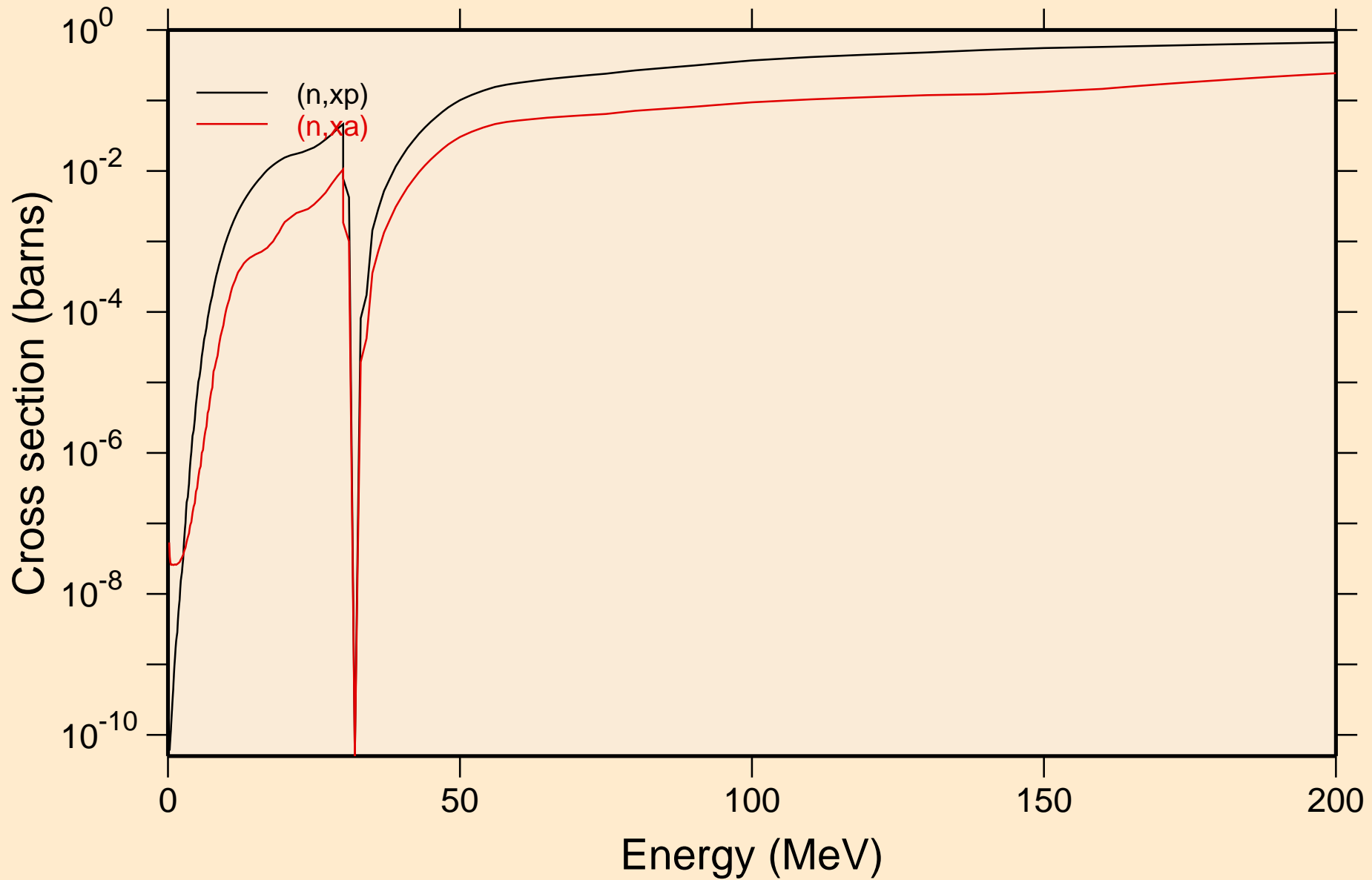


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Non-threshold reactions

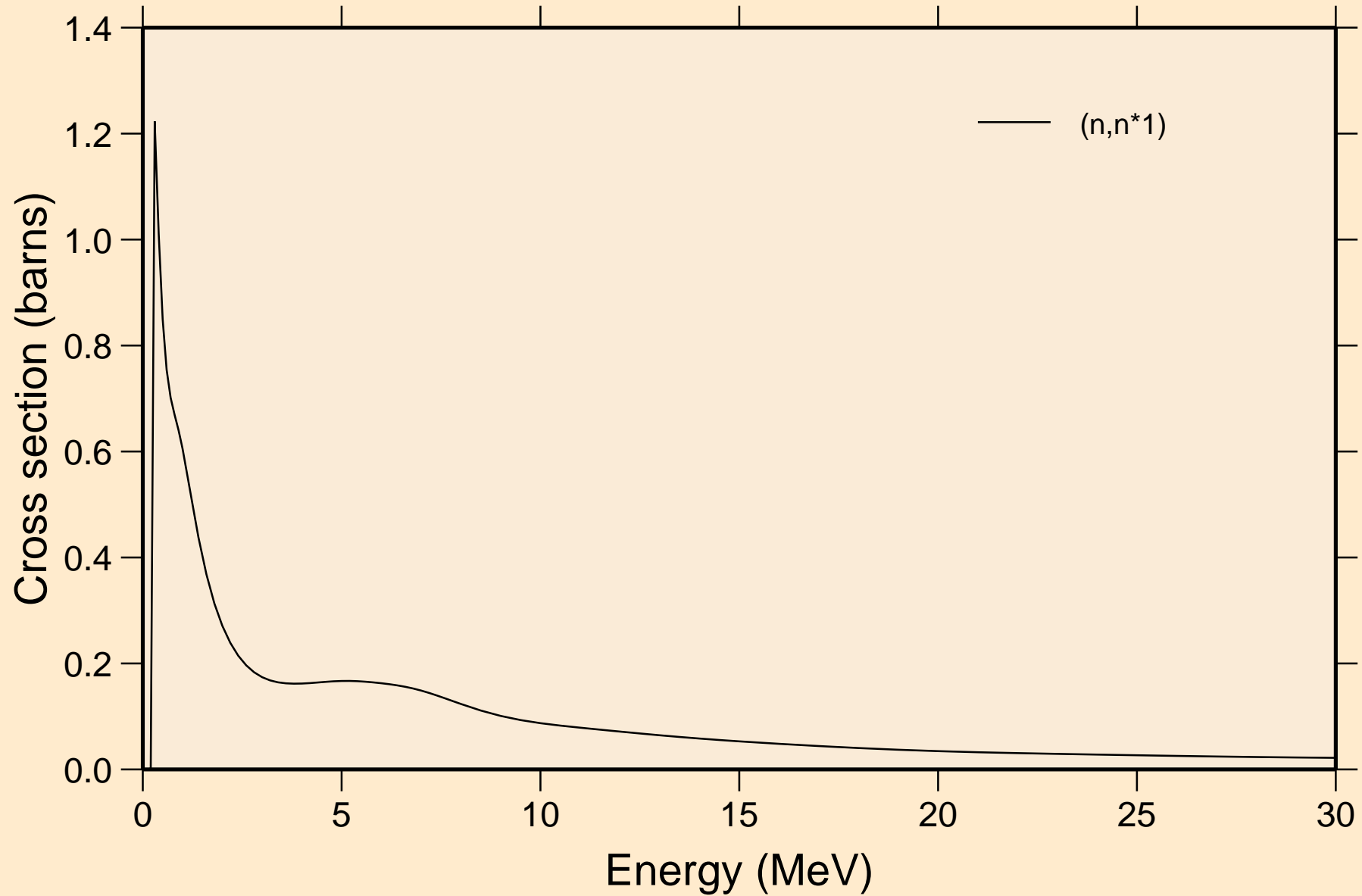




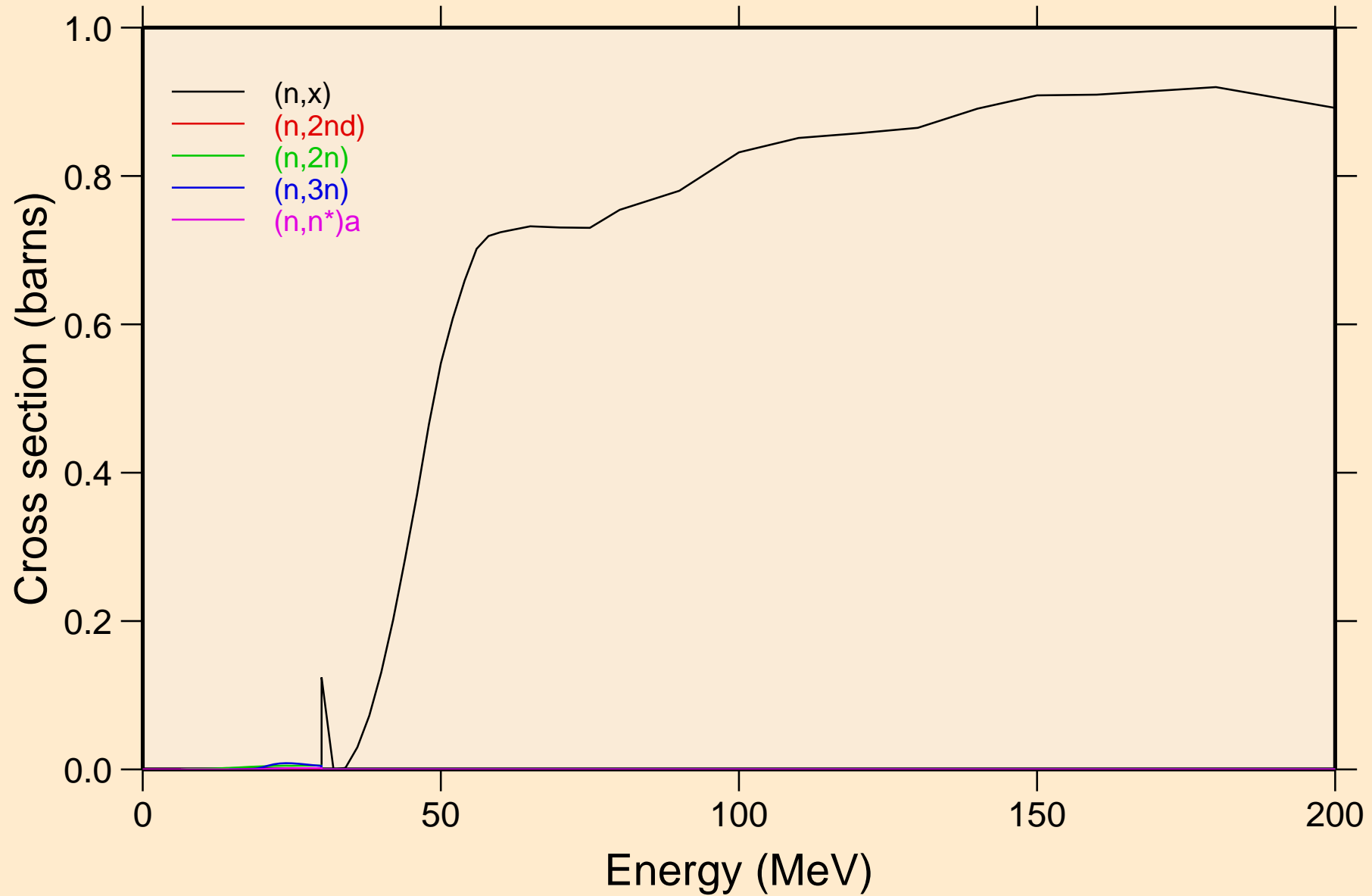
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Non-threshold reactions



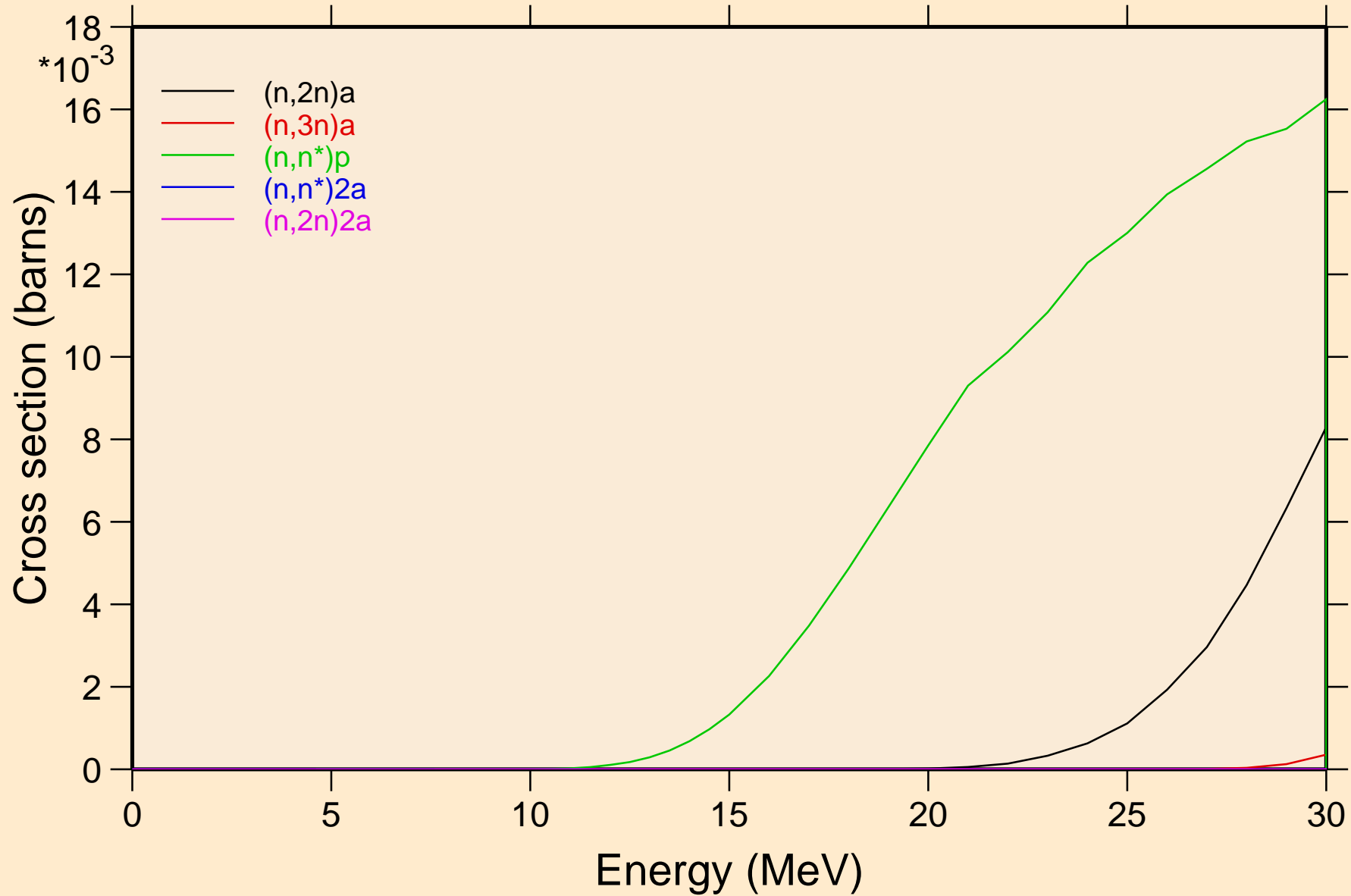
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Inelastic levels



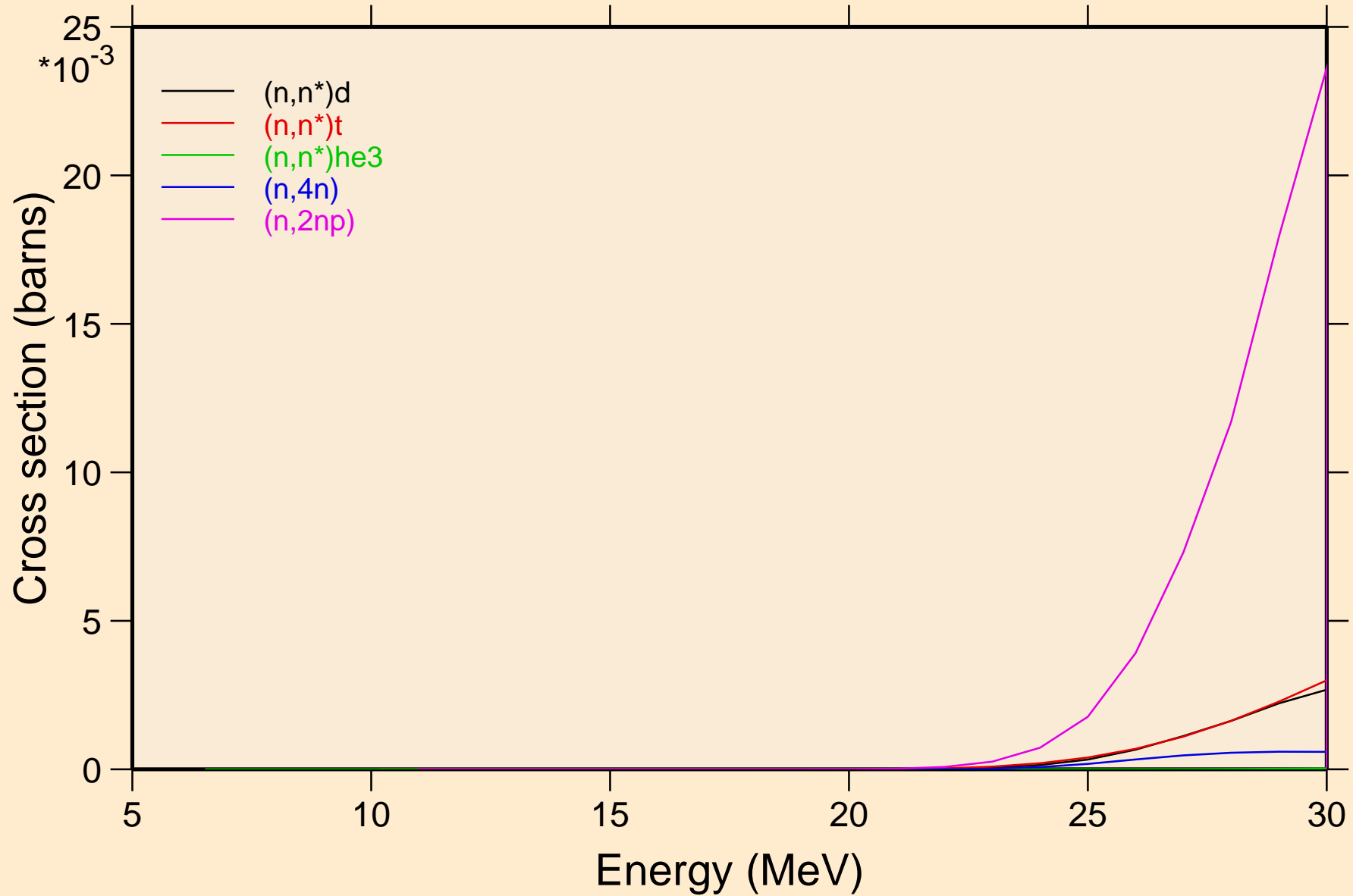
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Threshold reactions



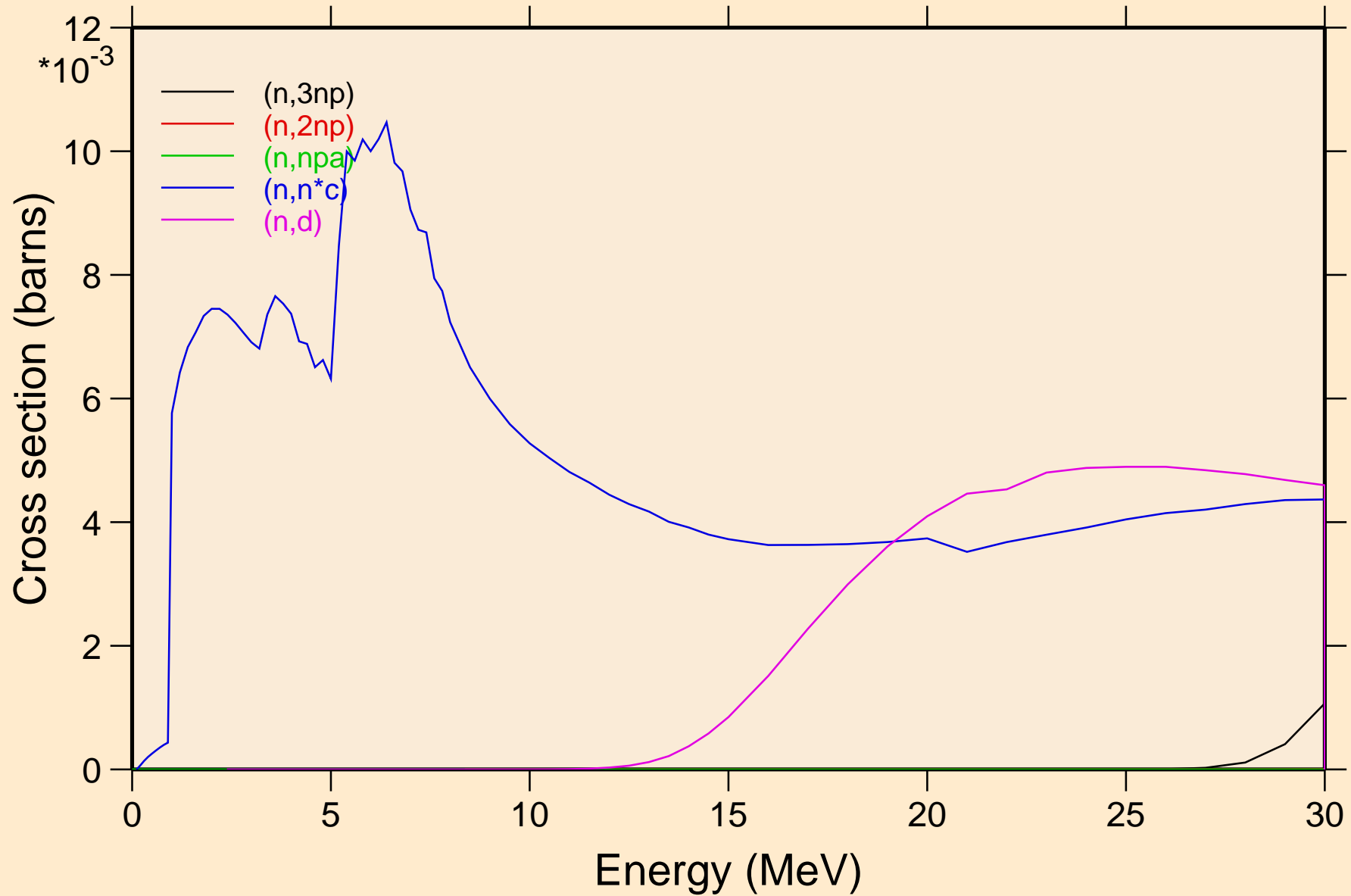
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Threshold reactions



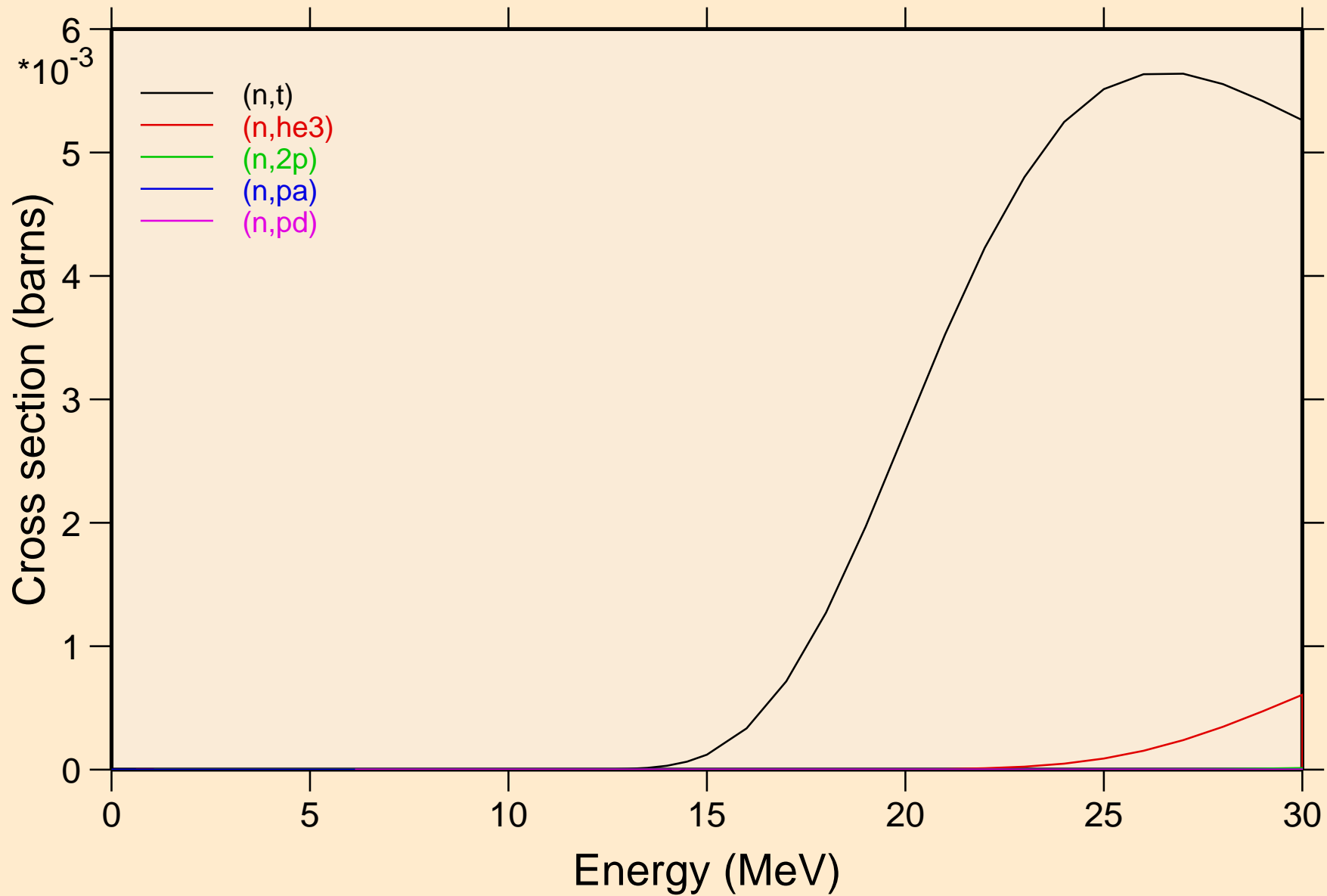
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Threshold reactions



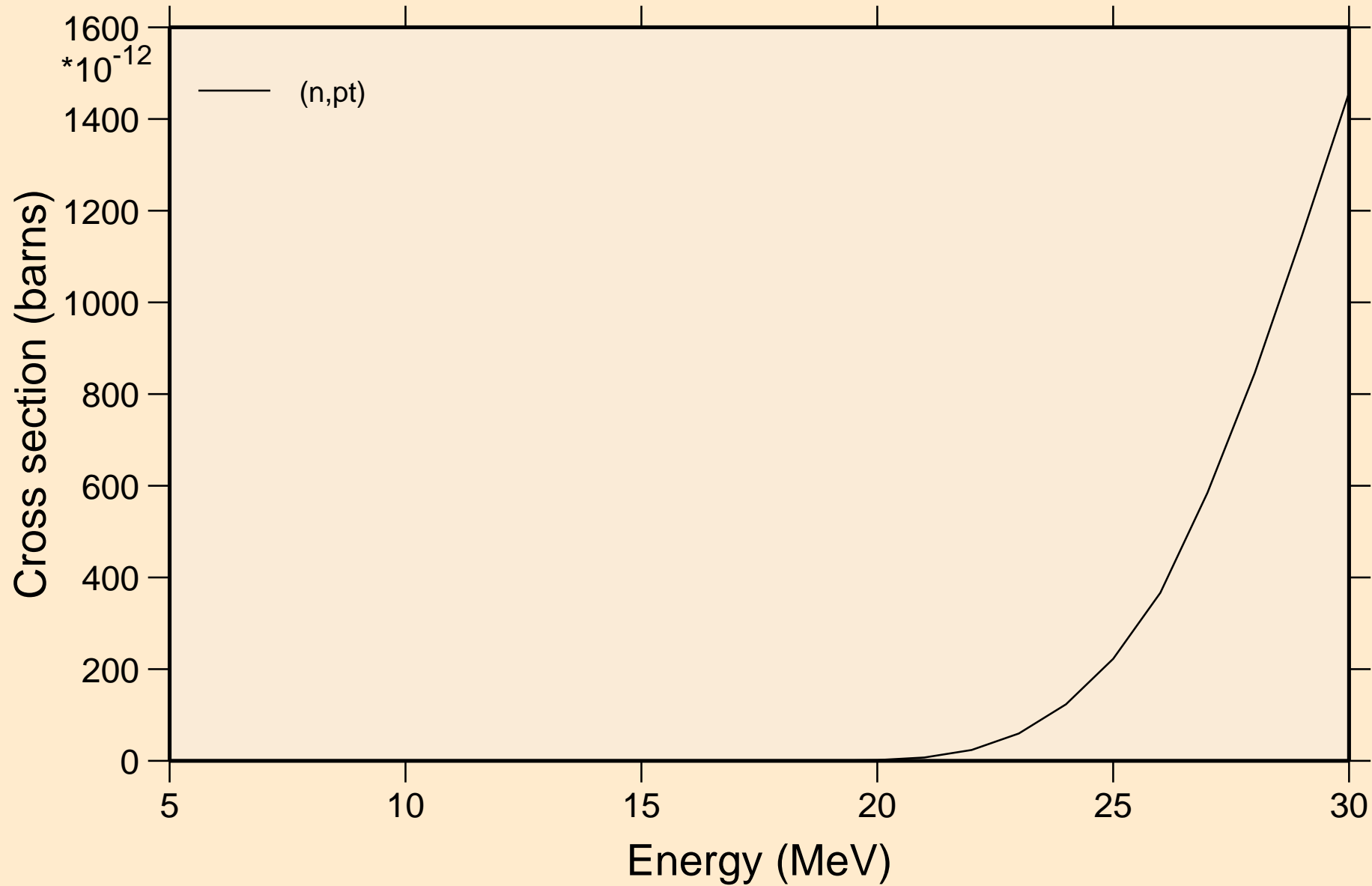
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Threshold reactions



PU233 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions

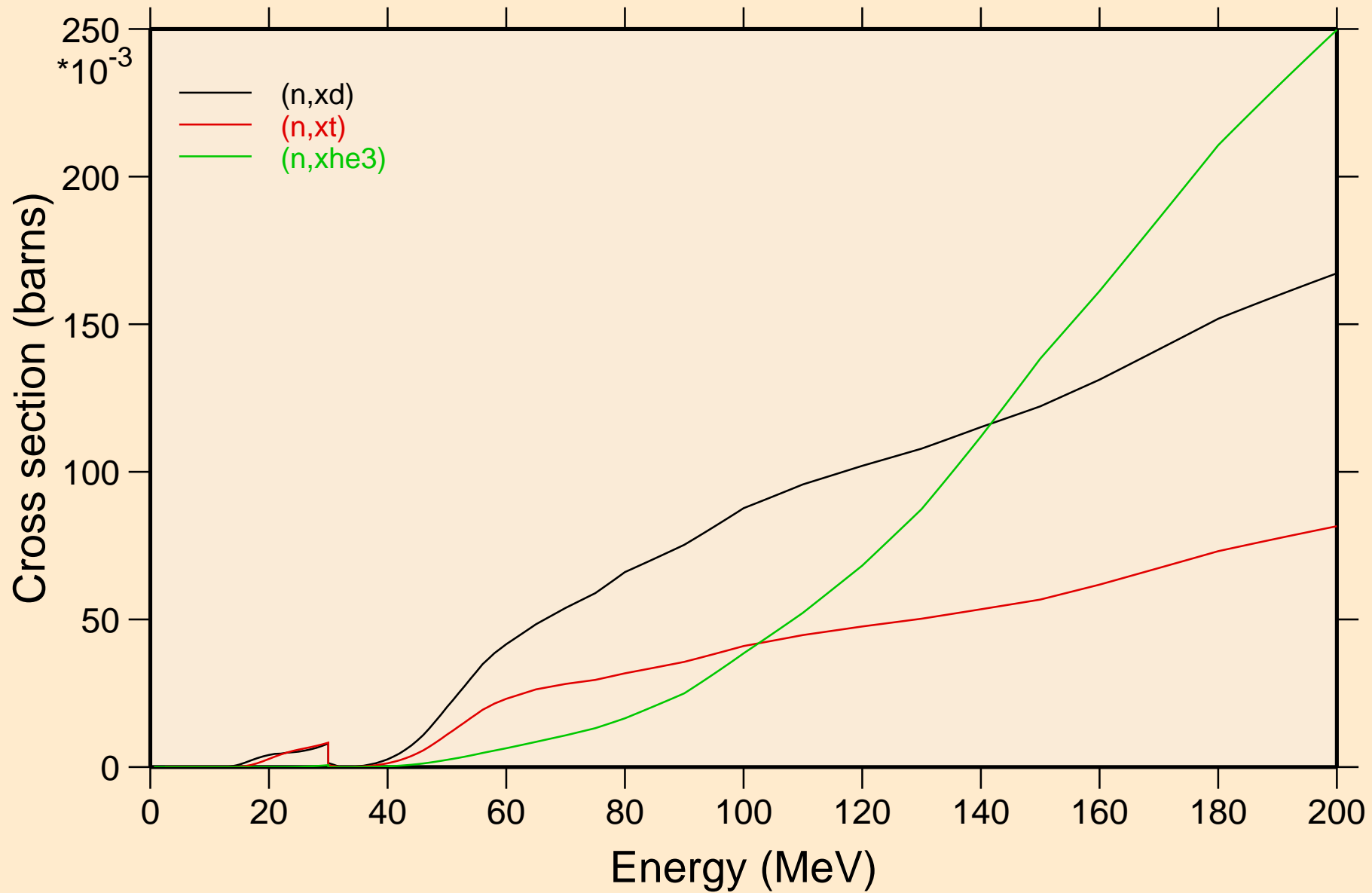


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Threshold reactions

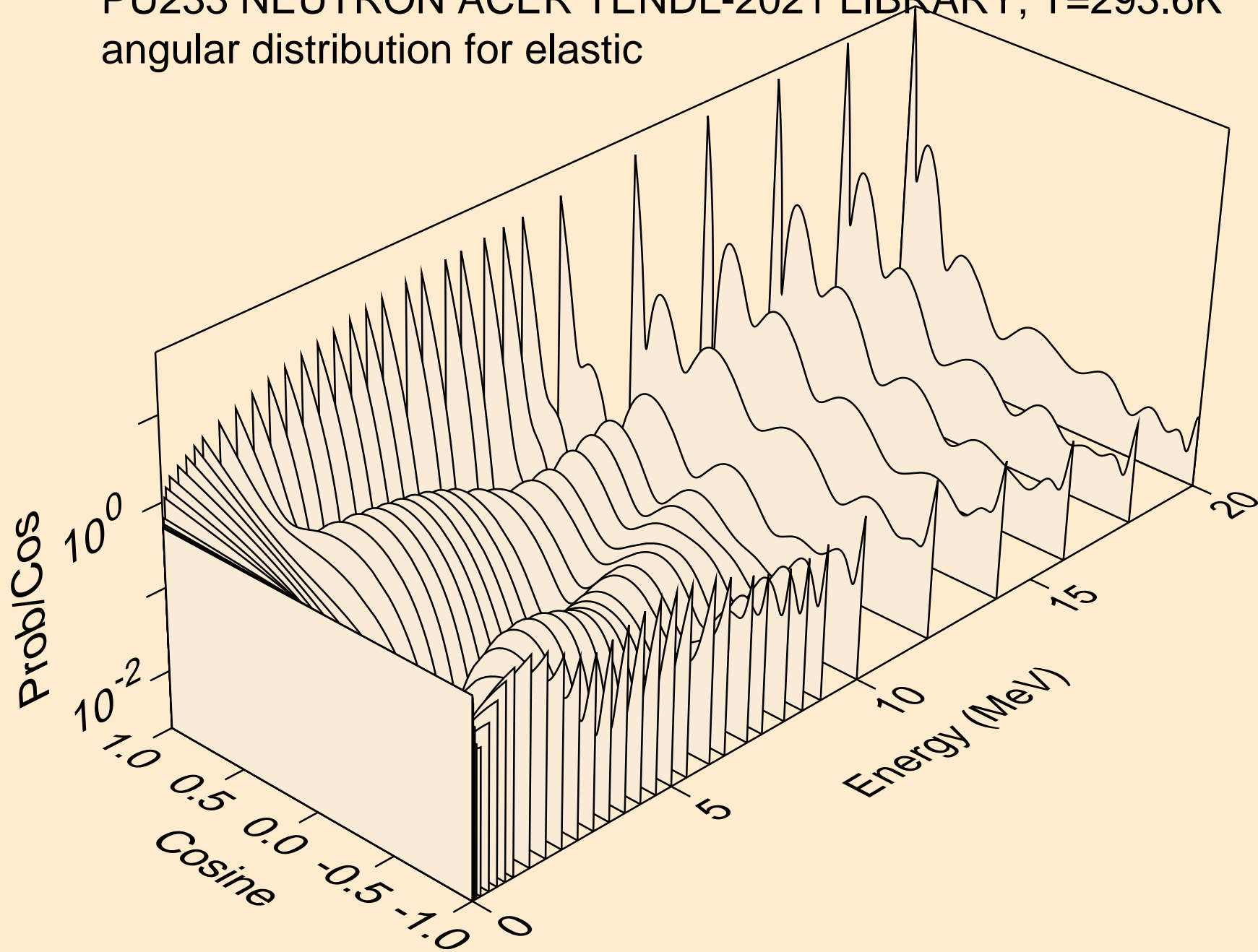




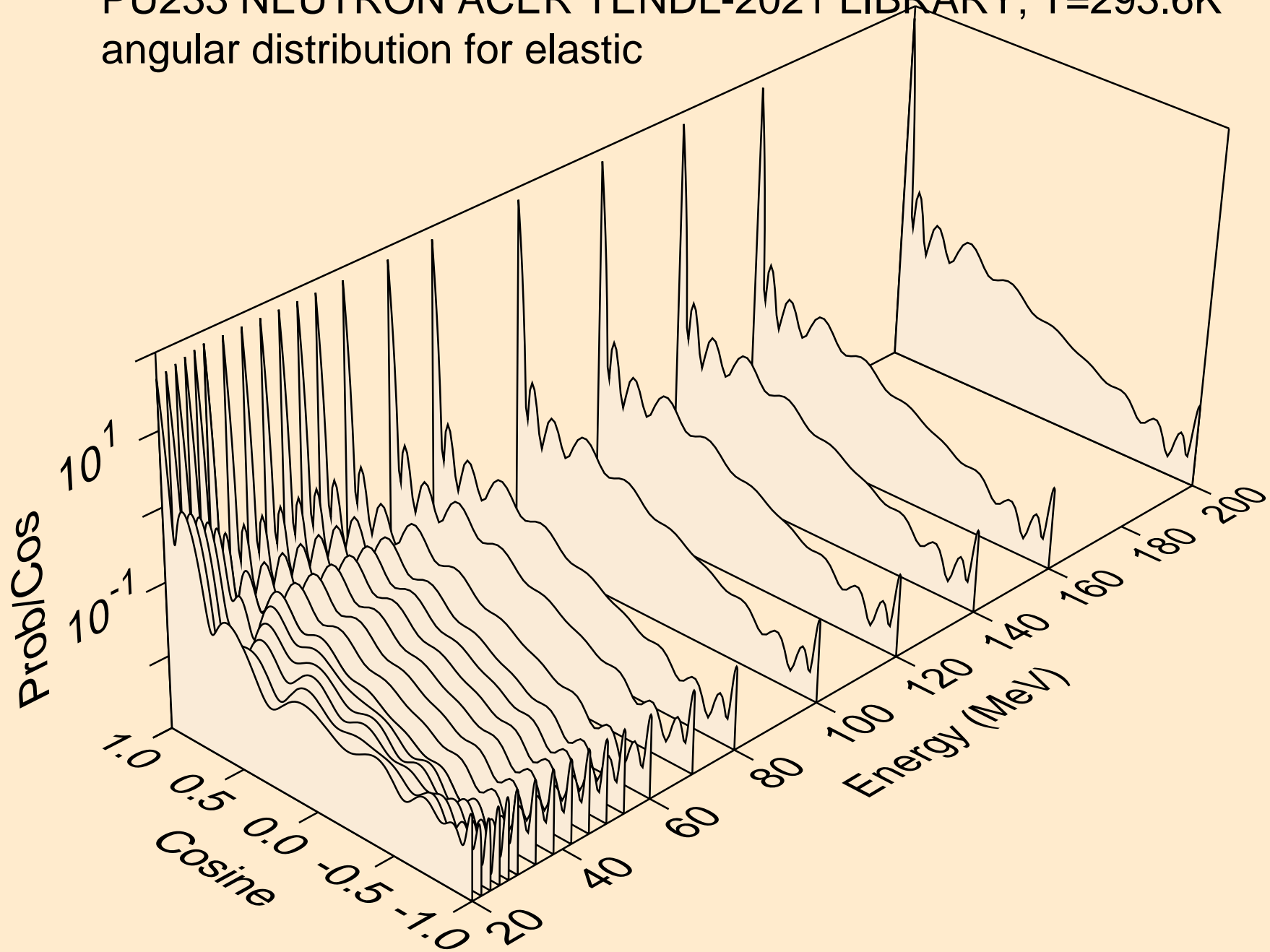
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Threshold reactions



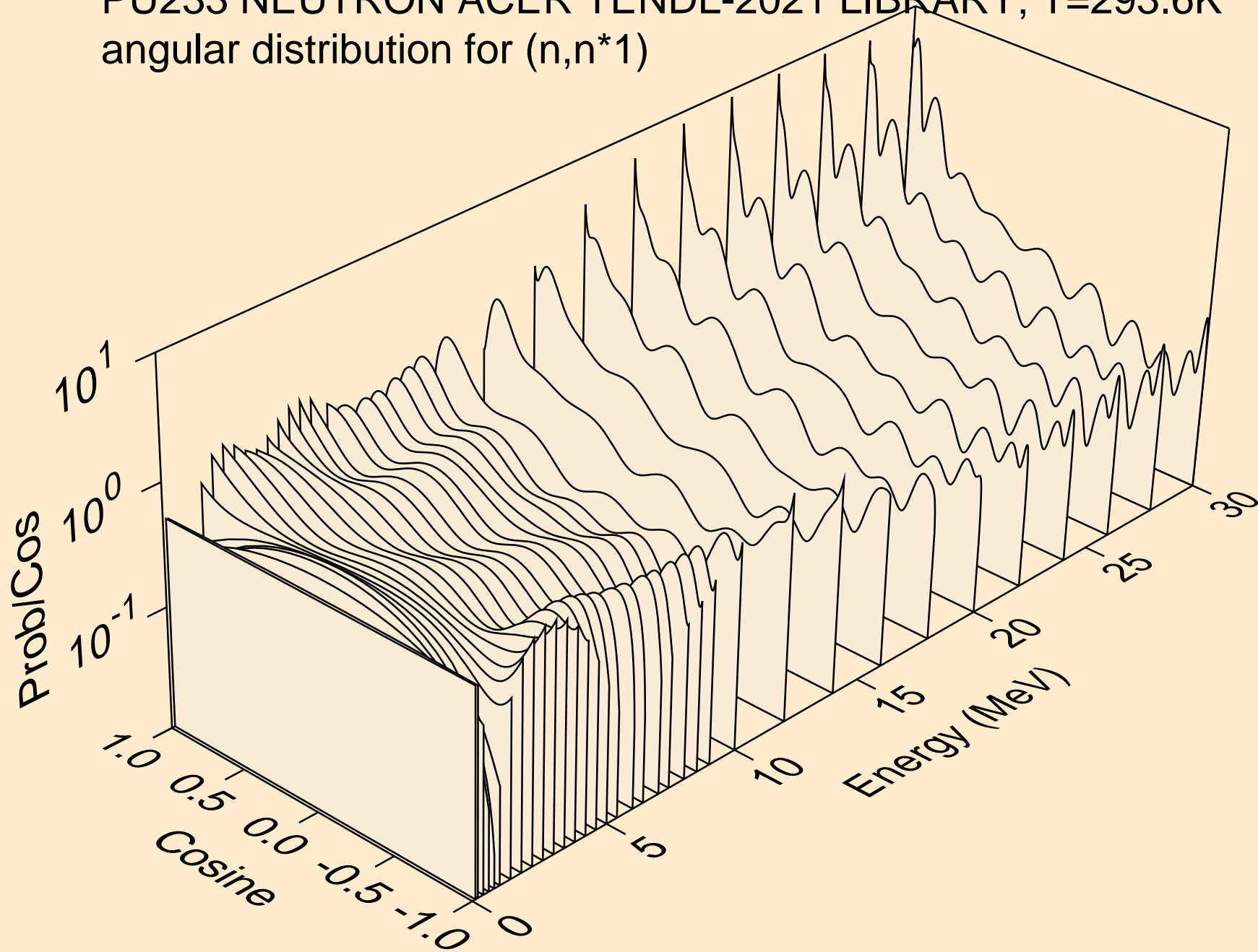
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angular distribution for elastic



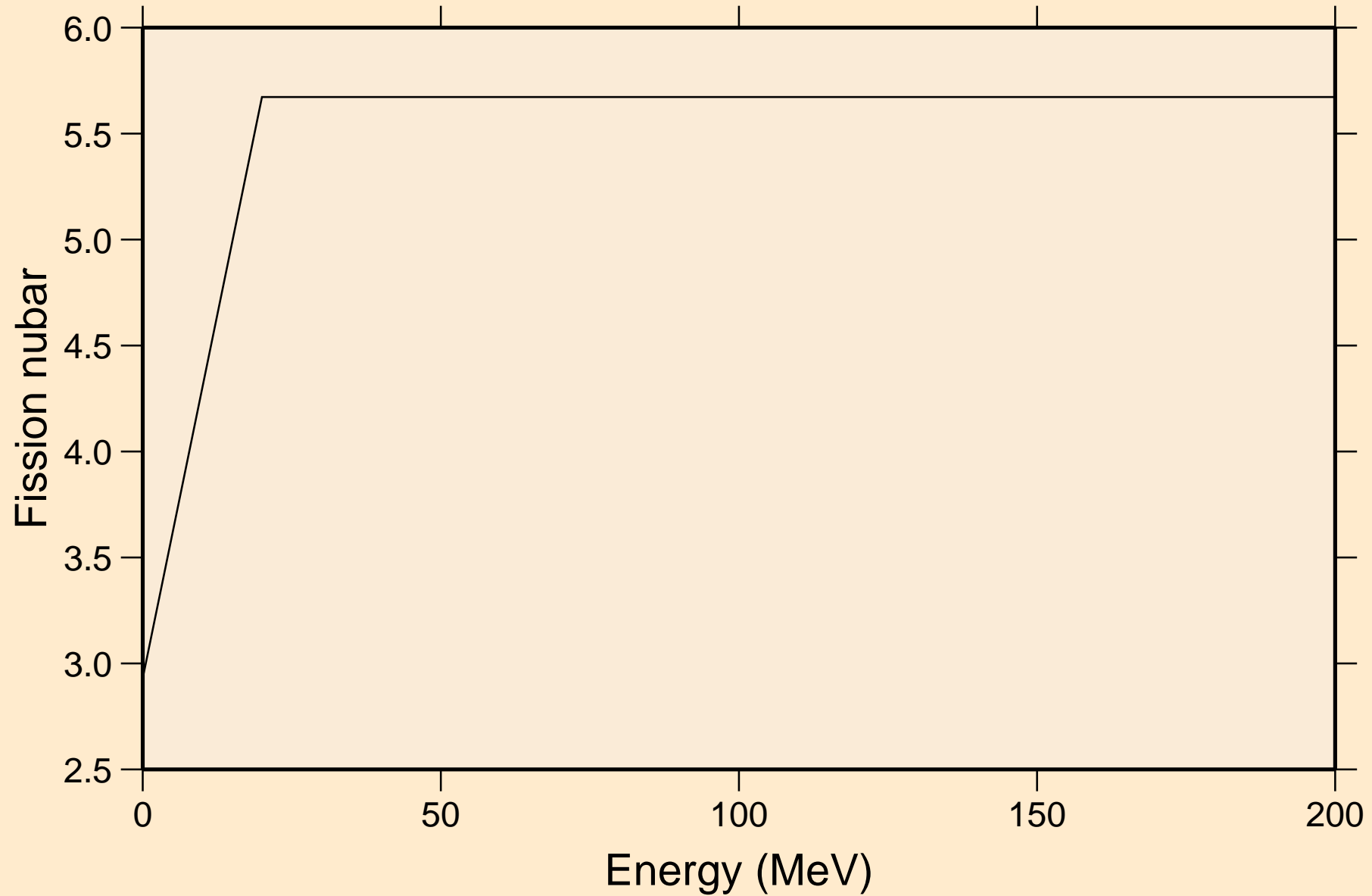
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angular distribution for elastic



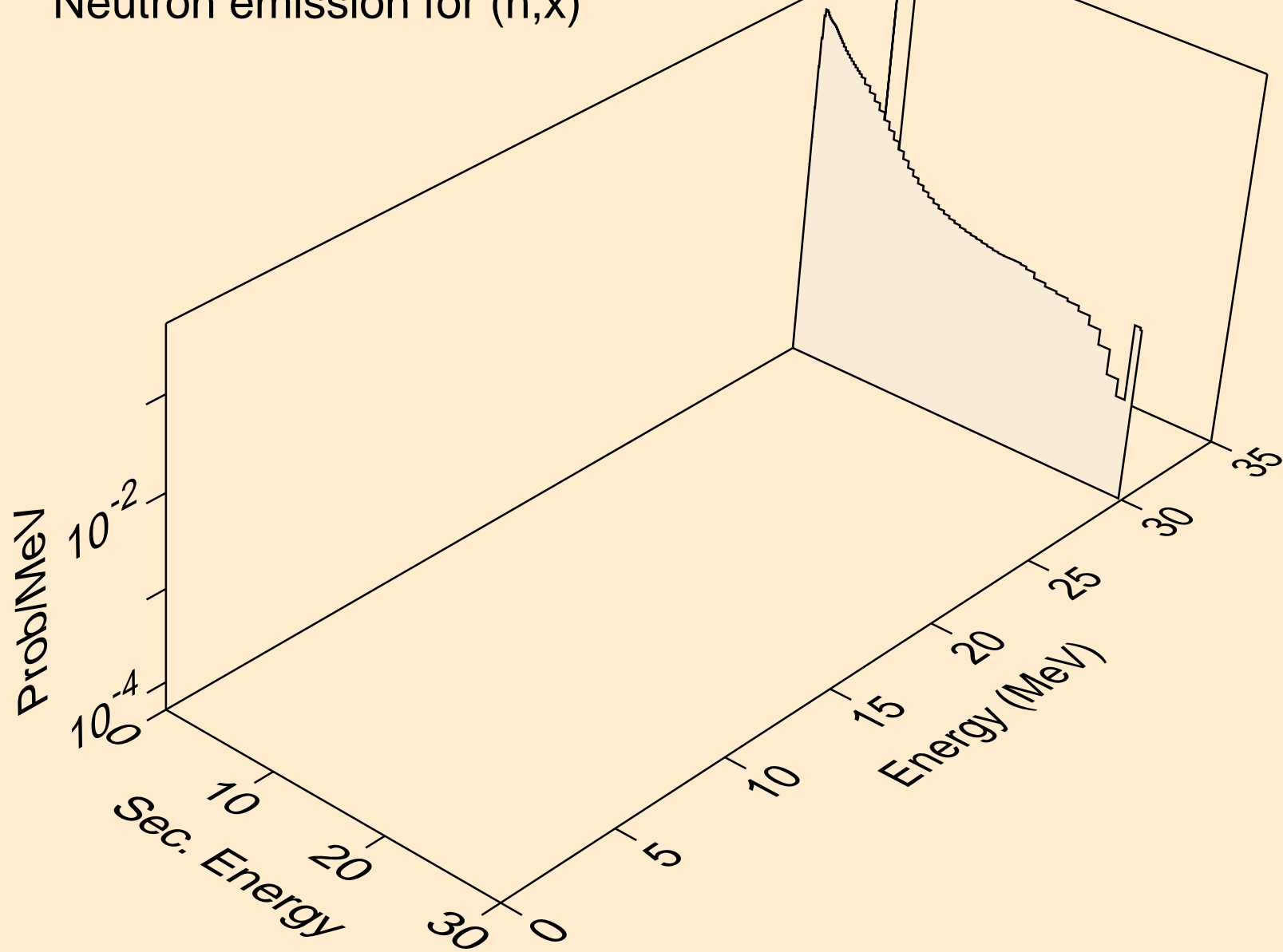
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angular distribution for (n,n\*1)



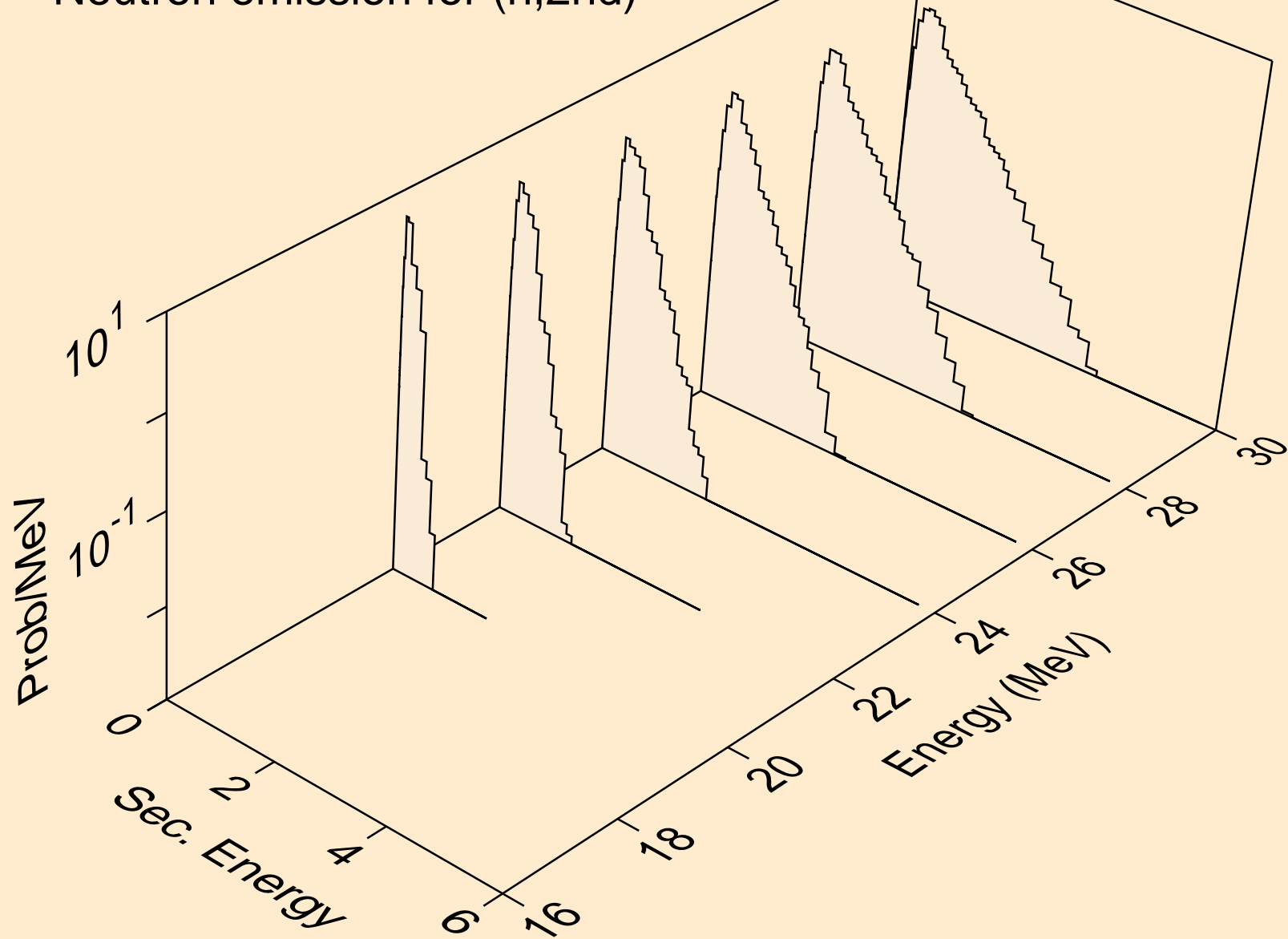
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Total fission nubar



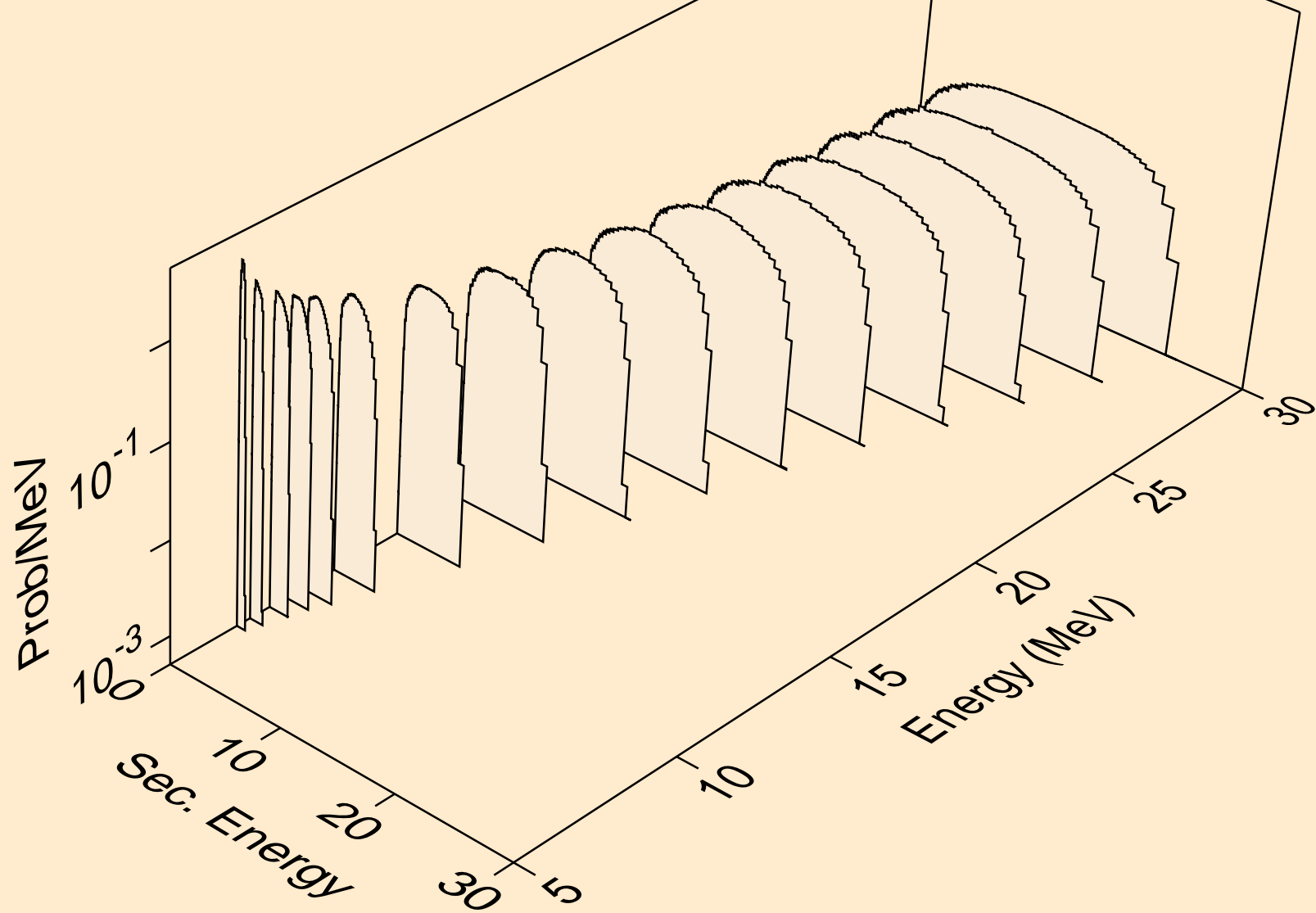
PU233 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,x)



PU233 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2nd)

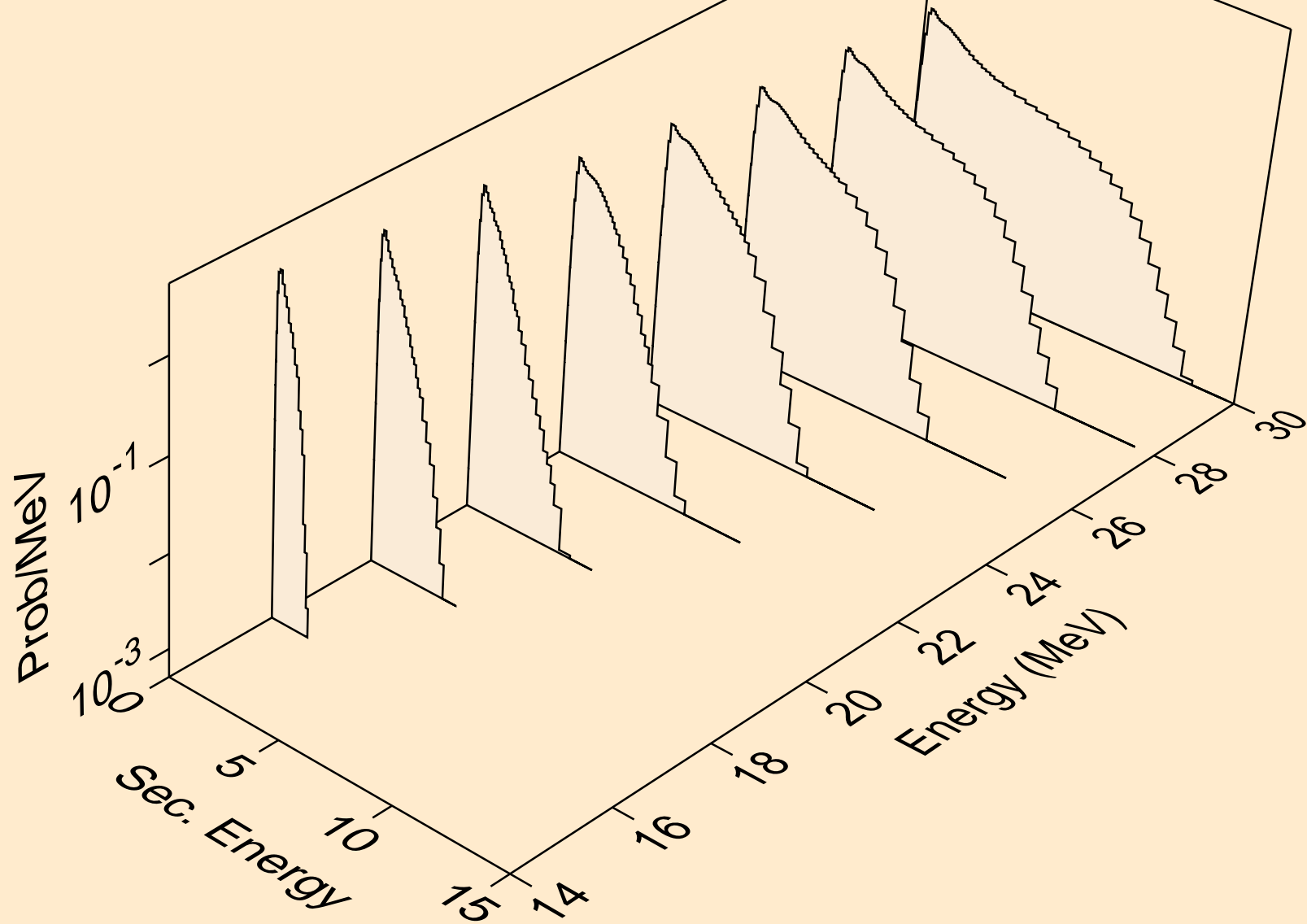


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Neutron emission for (n,2n)

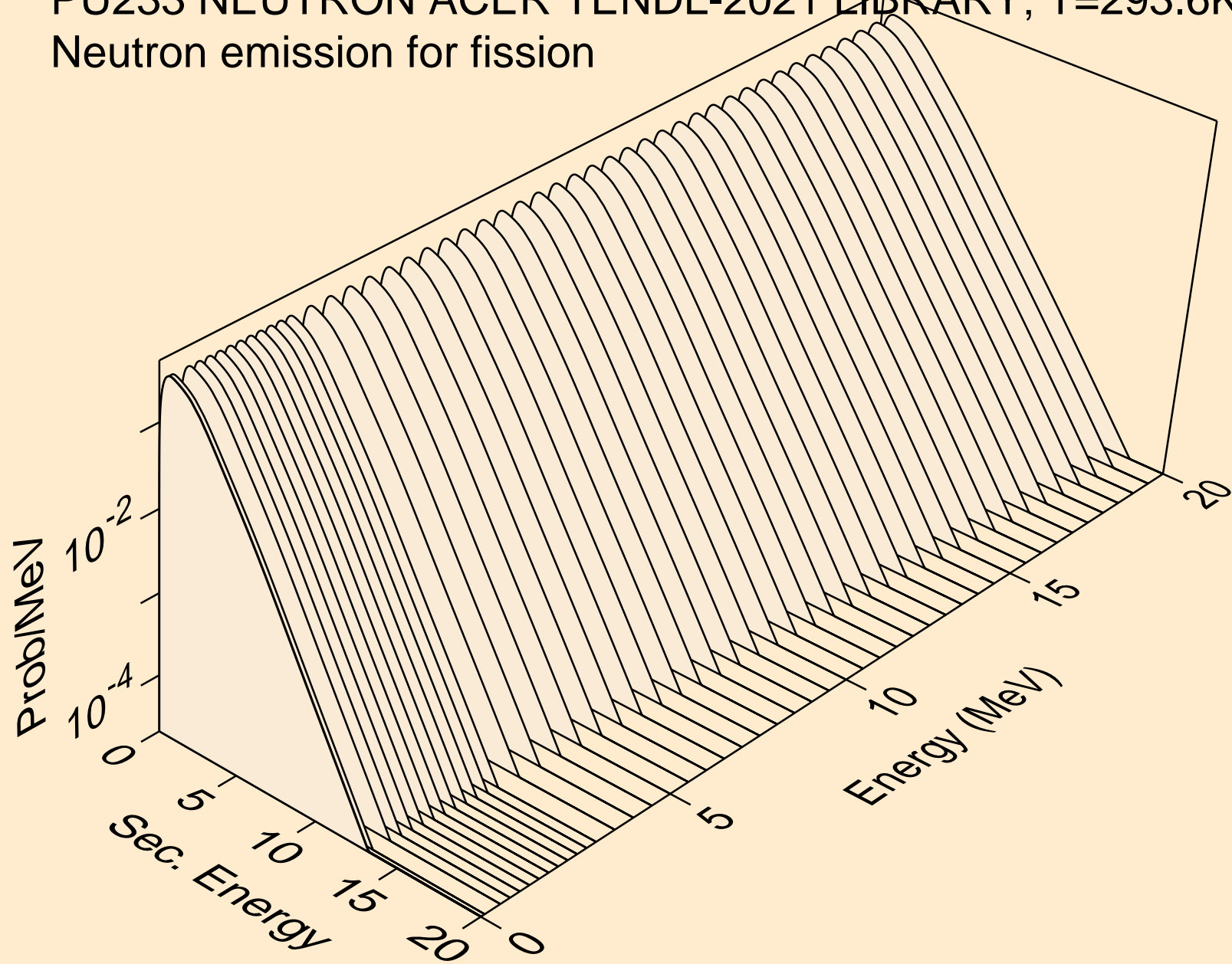




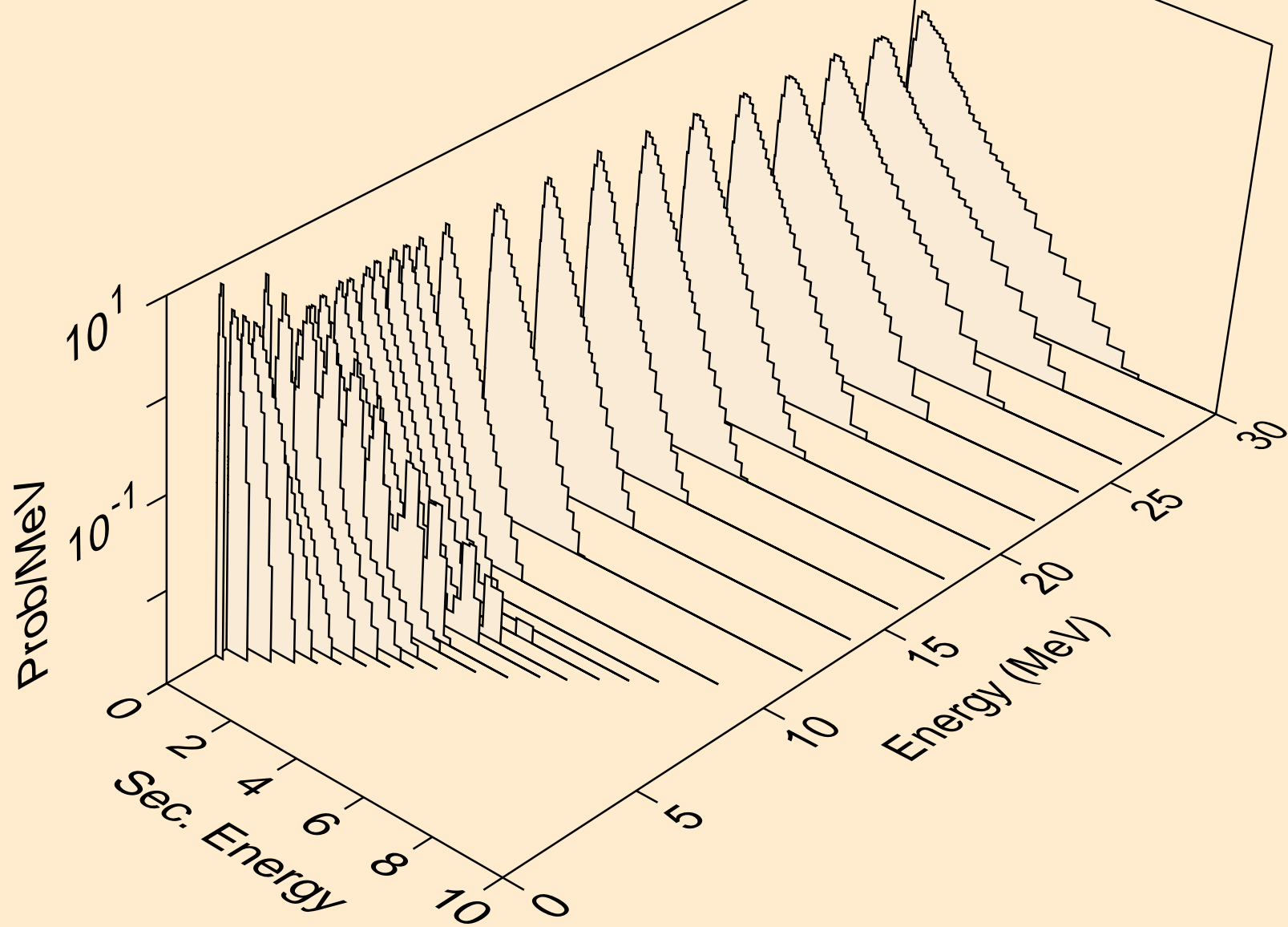
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Neutron emission for (n,3n)



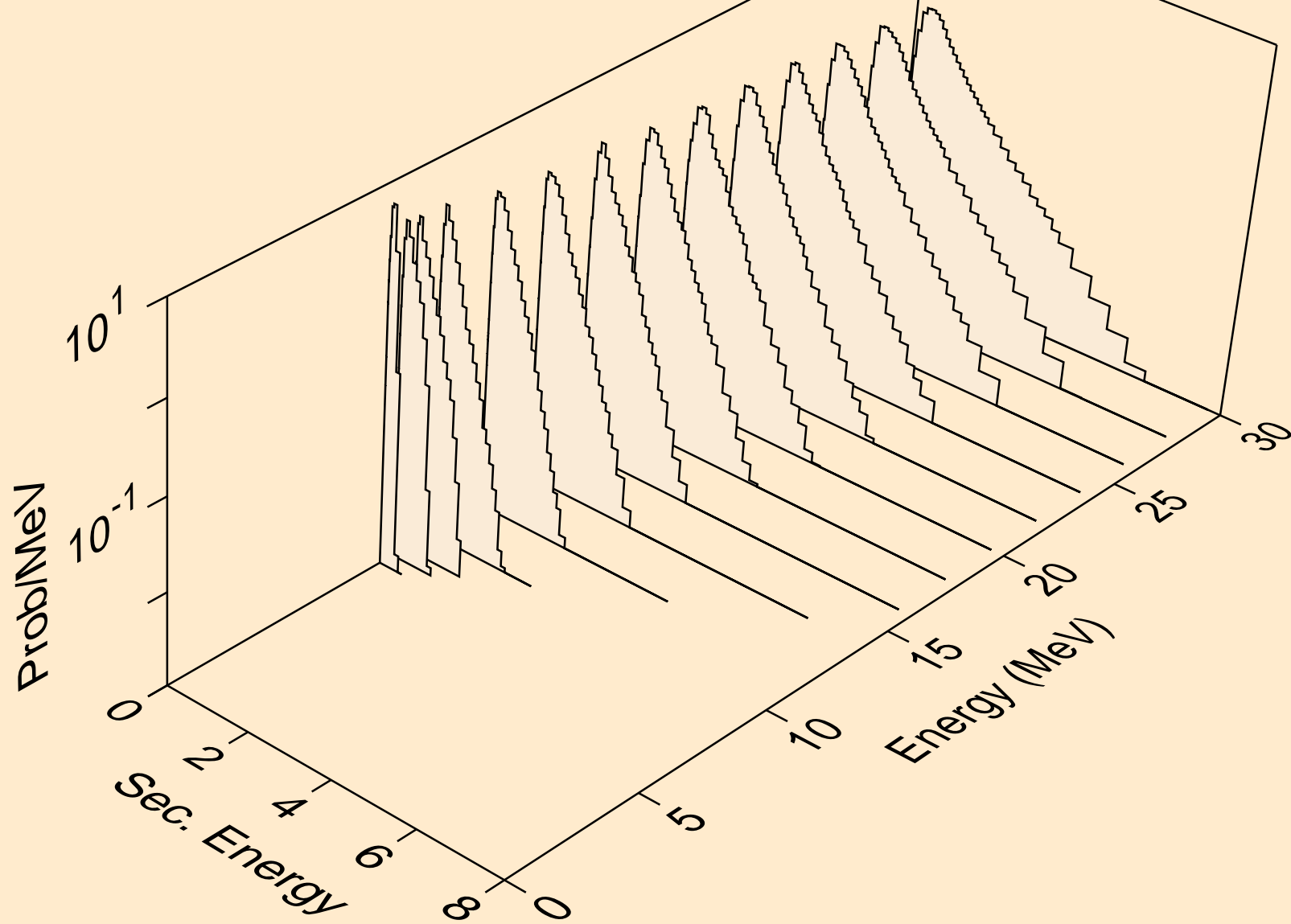
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Neutron emission for fission



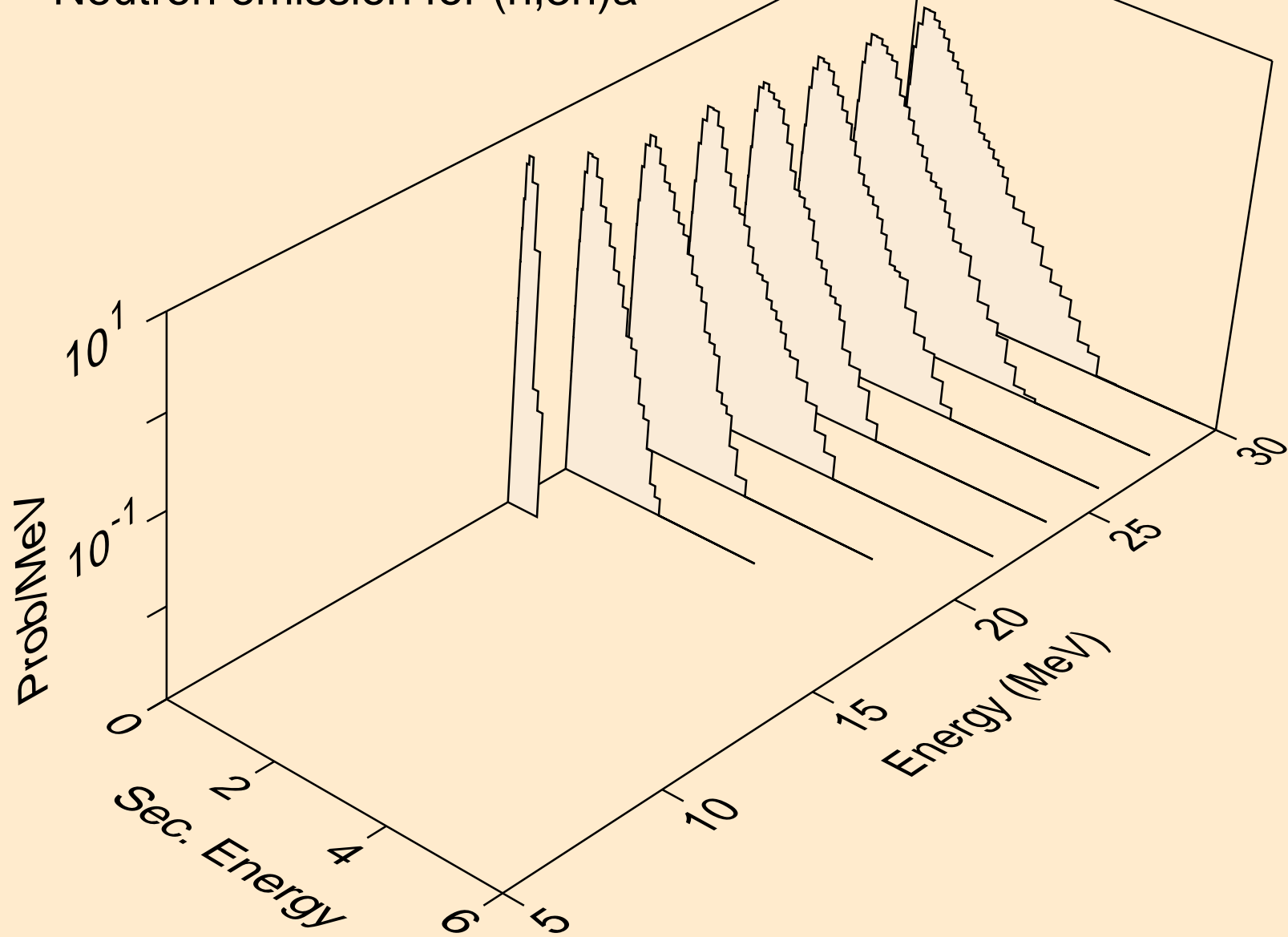
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Neutron emission for (n,n\*)a



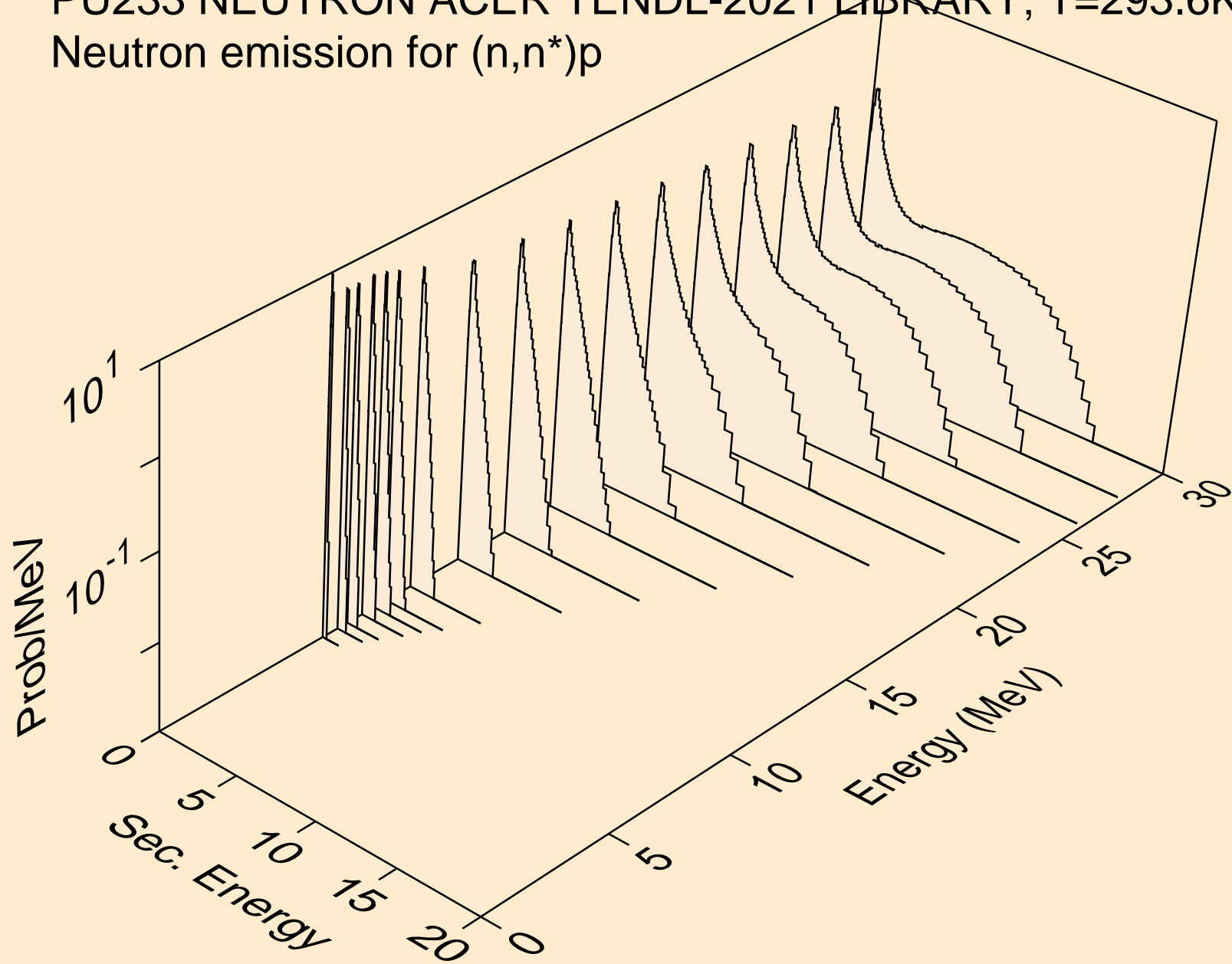
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Neutron emission for (n,2n)a



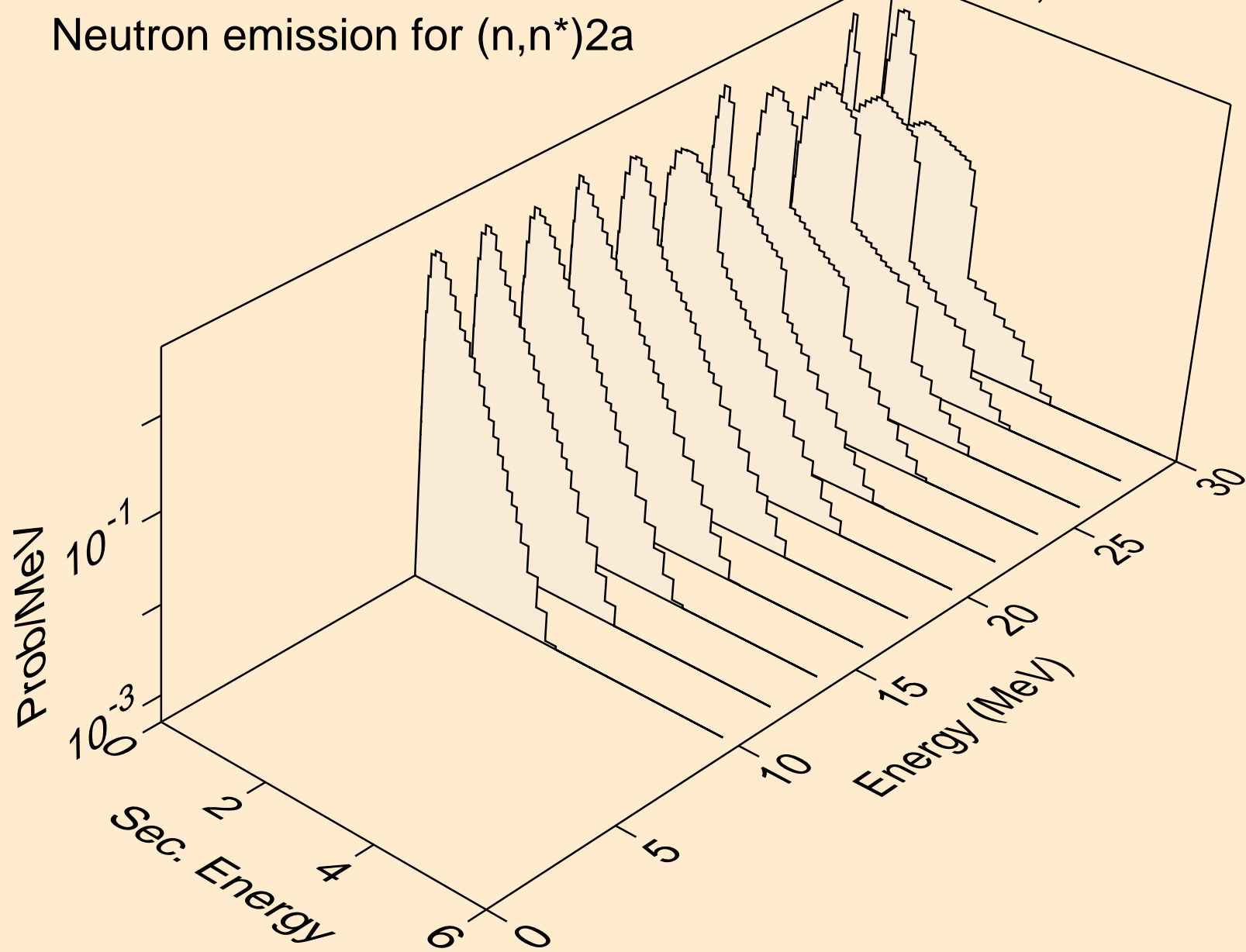
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Neutron emission for (n,3n)a



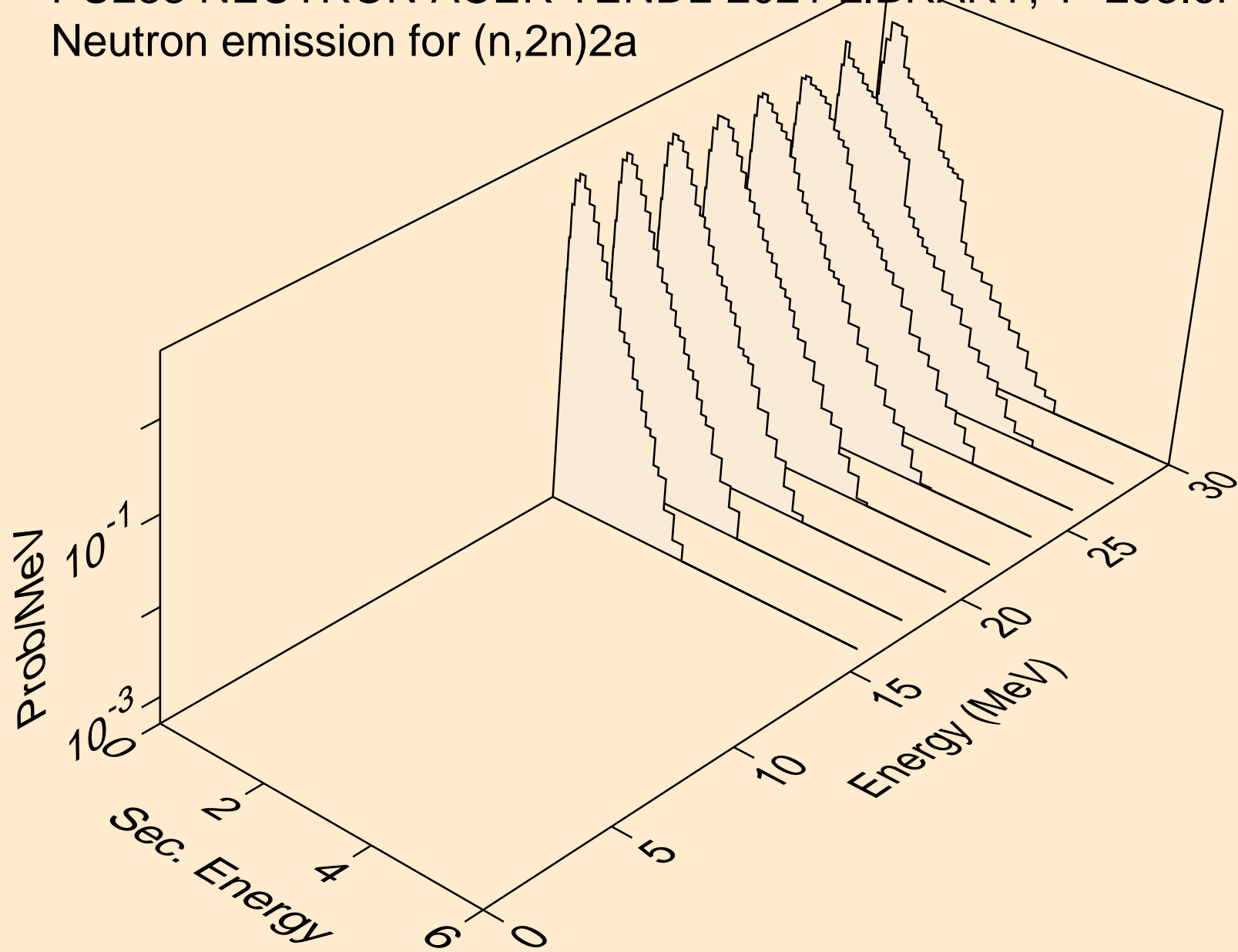
PU233 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)p



PU233 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)2a

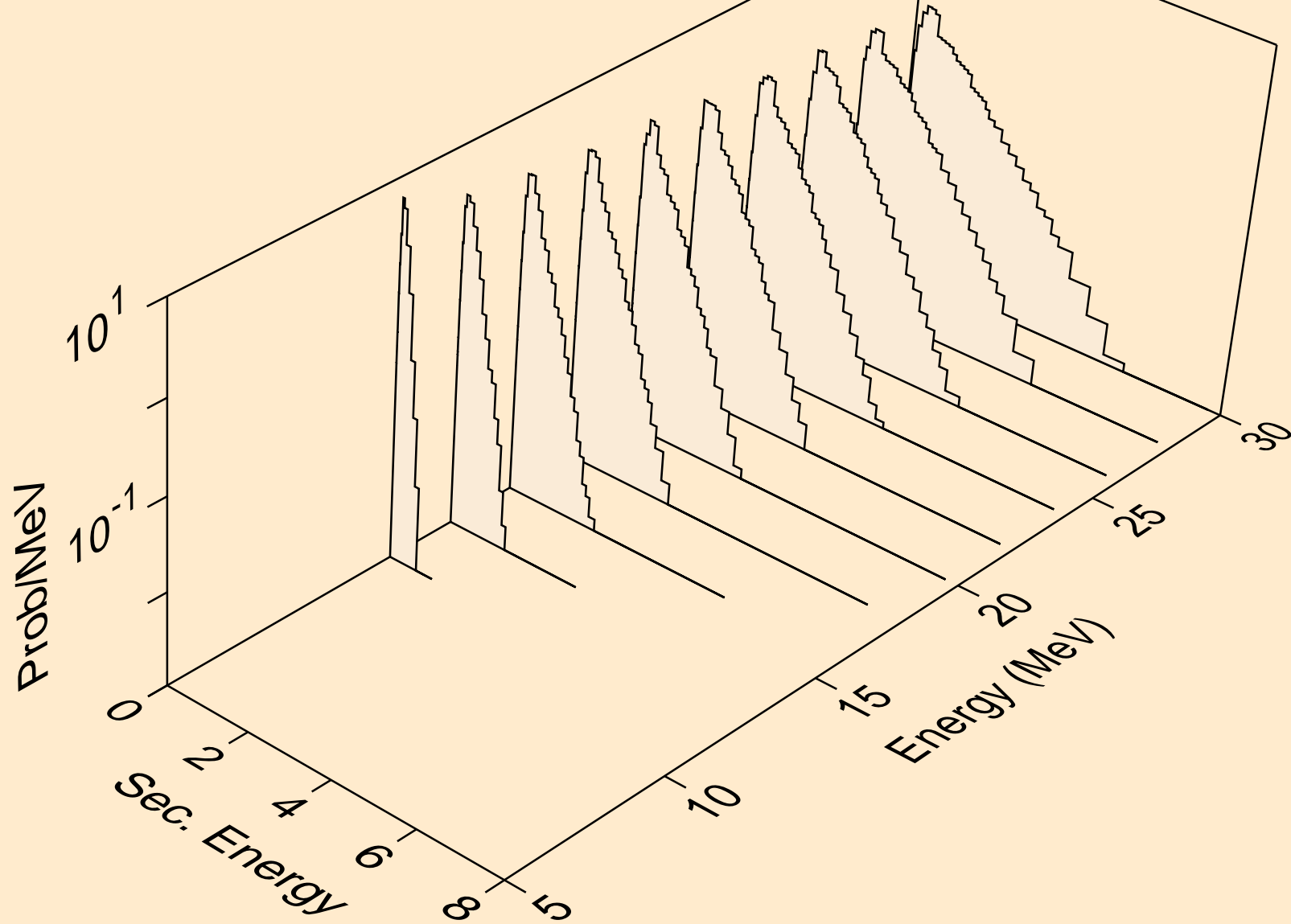


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Neutron emission for (n,2n)2a

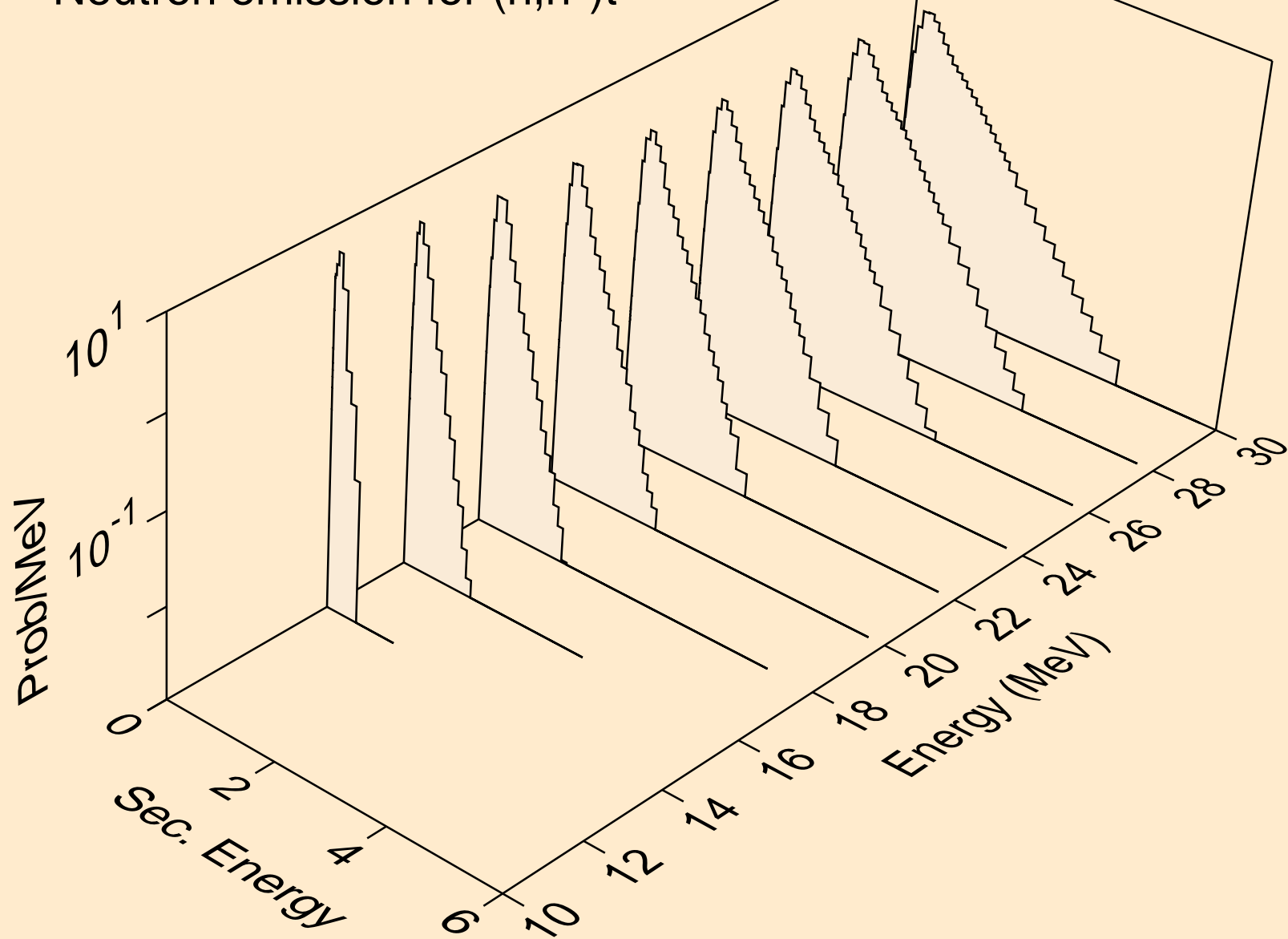




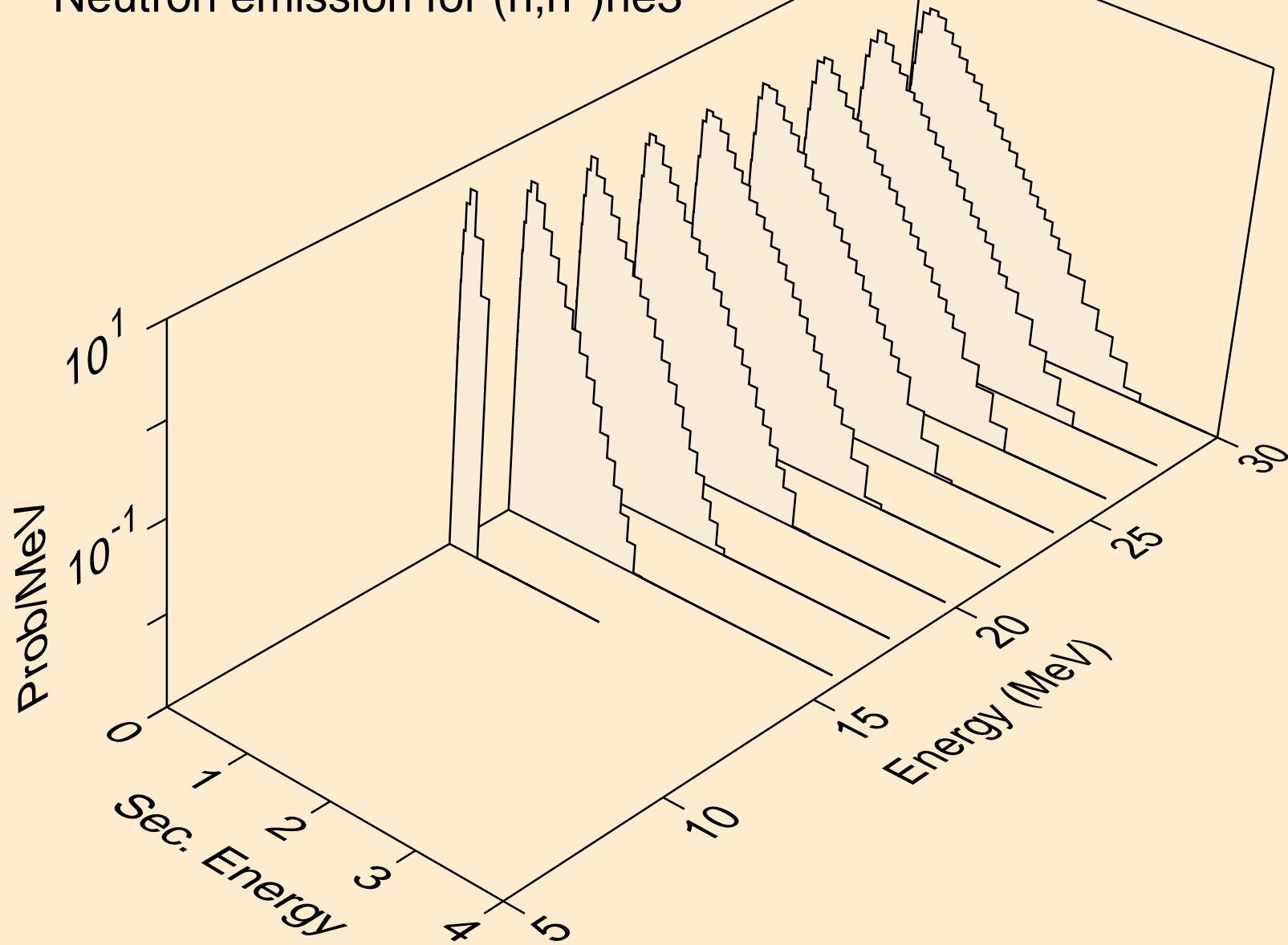
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Neutron emission for (n,n\*)d



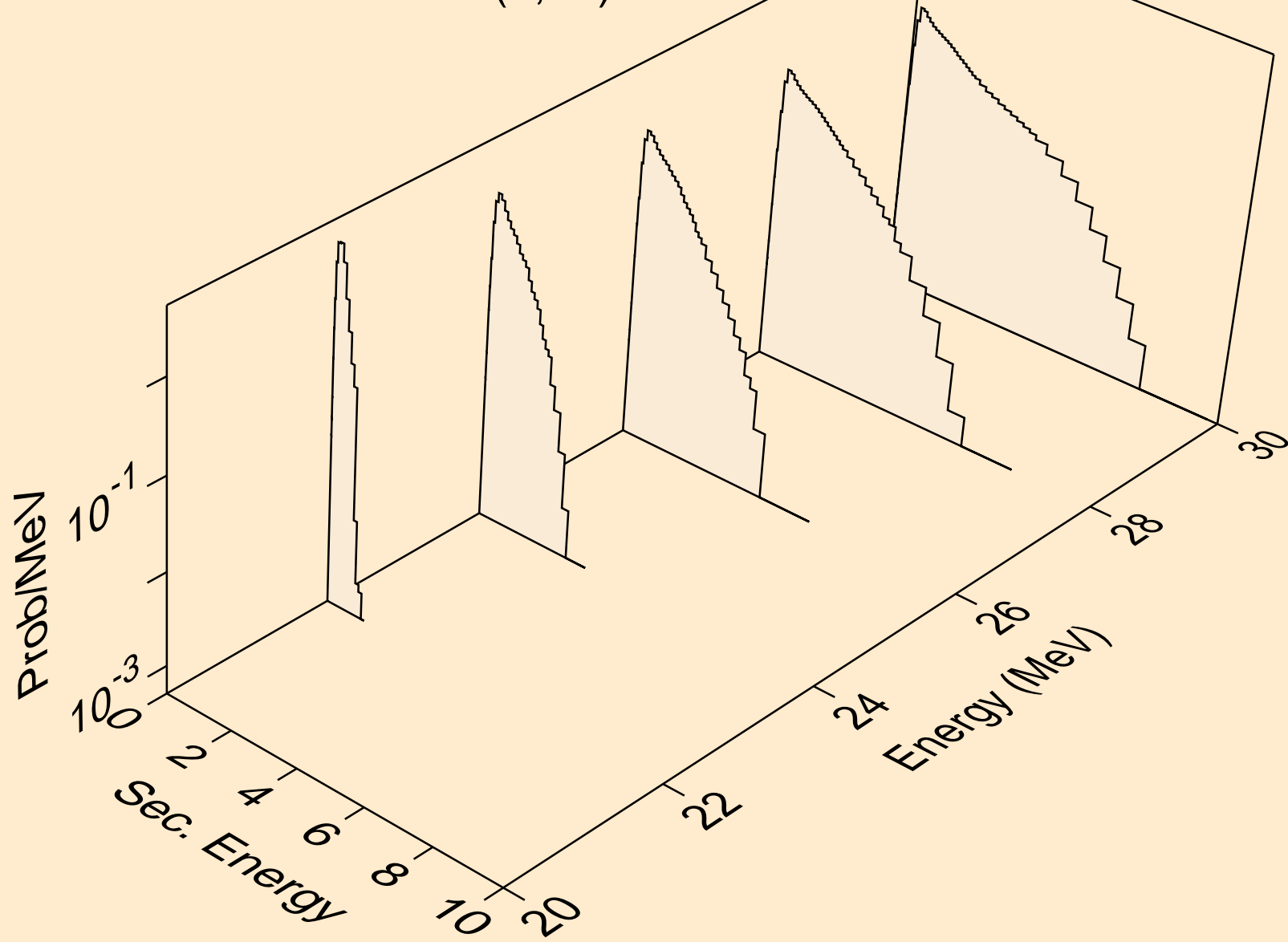
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Neutron emission for (n,n\*)t



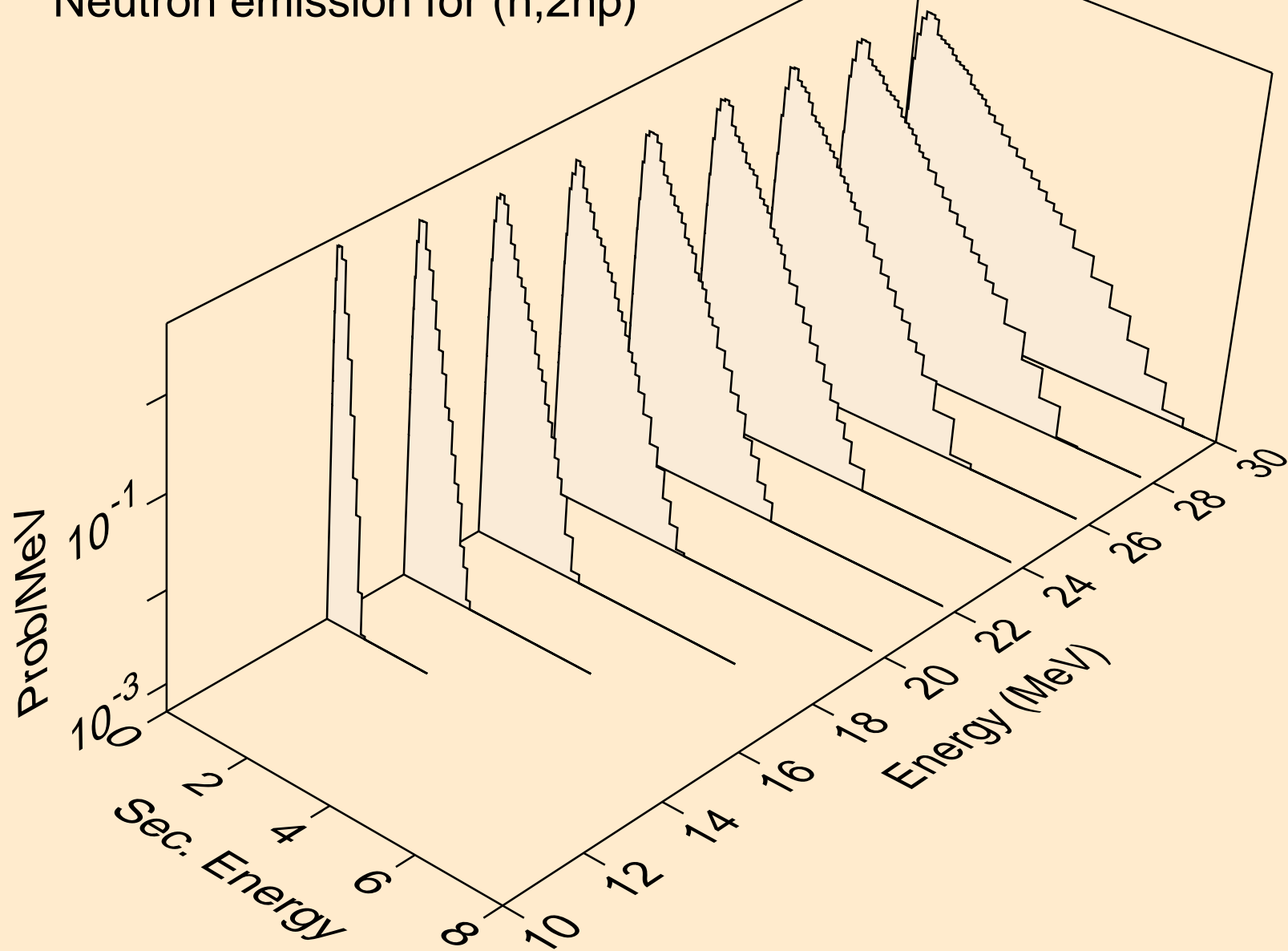
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Neutron emission for (n,n\*)he3



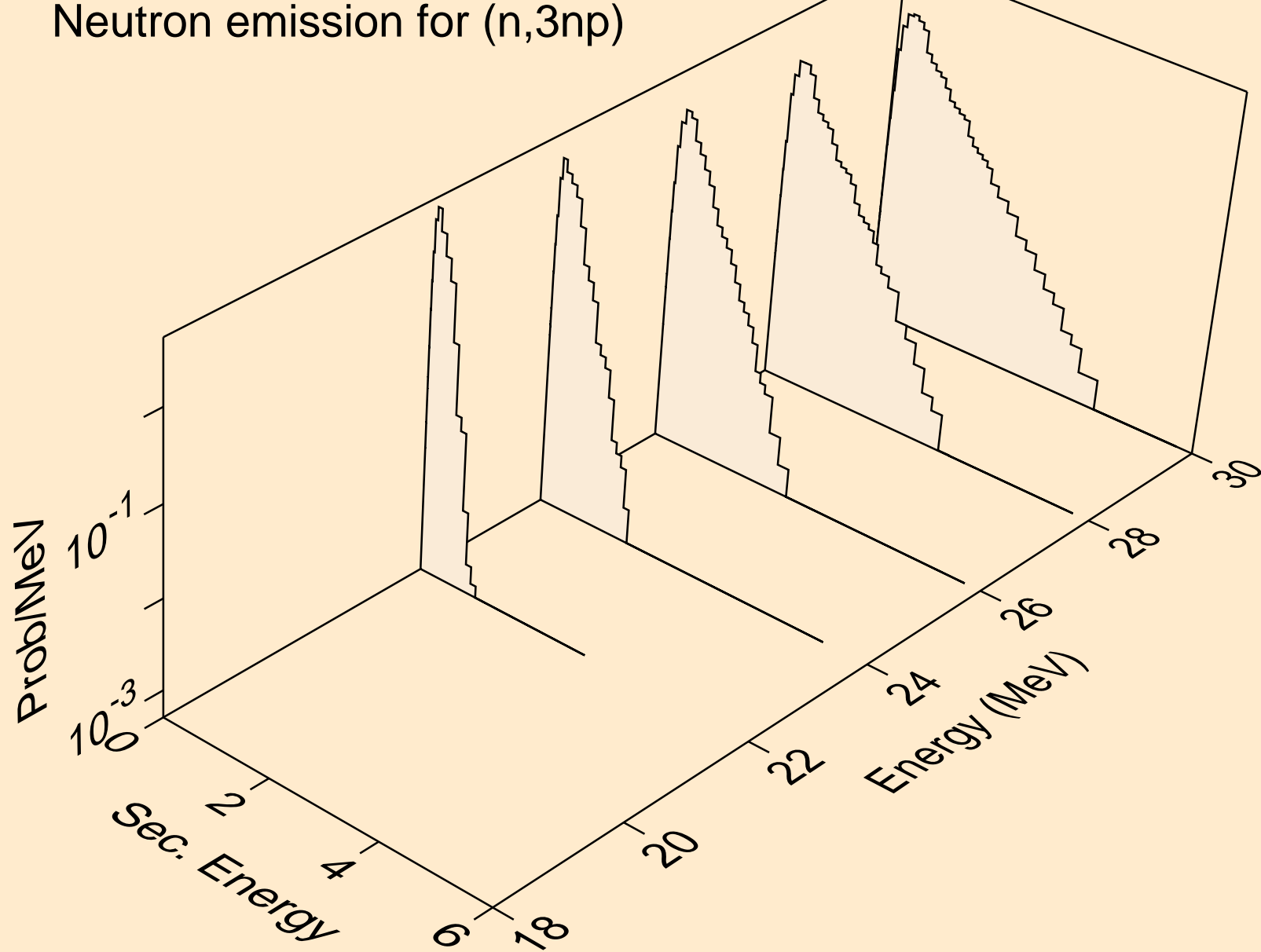
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Neutron emission for (n,4n)



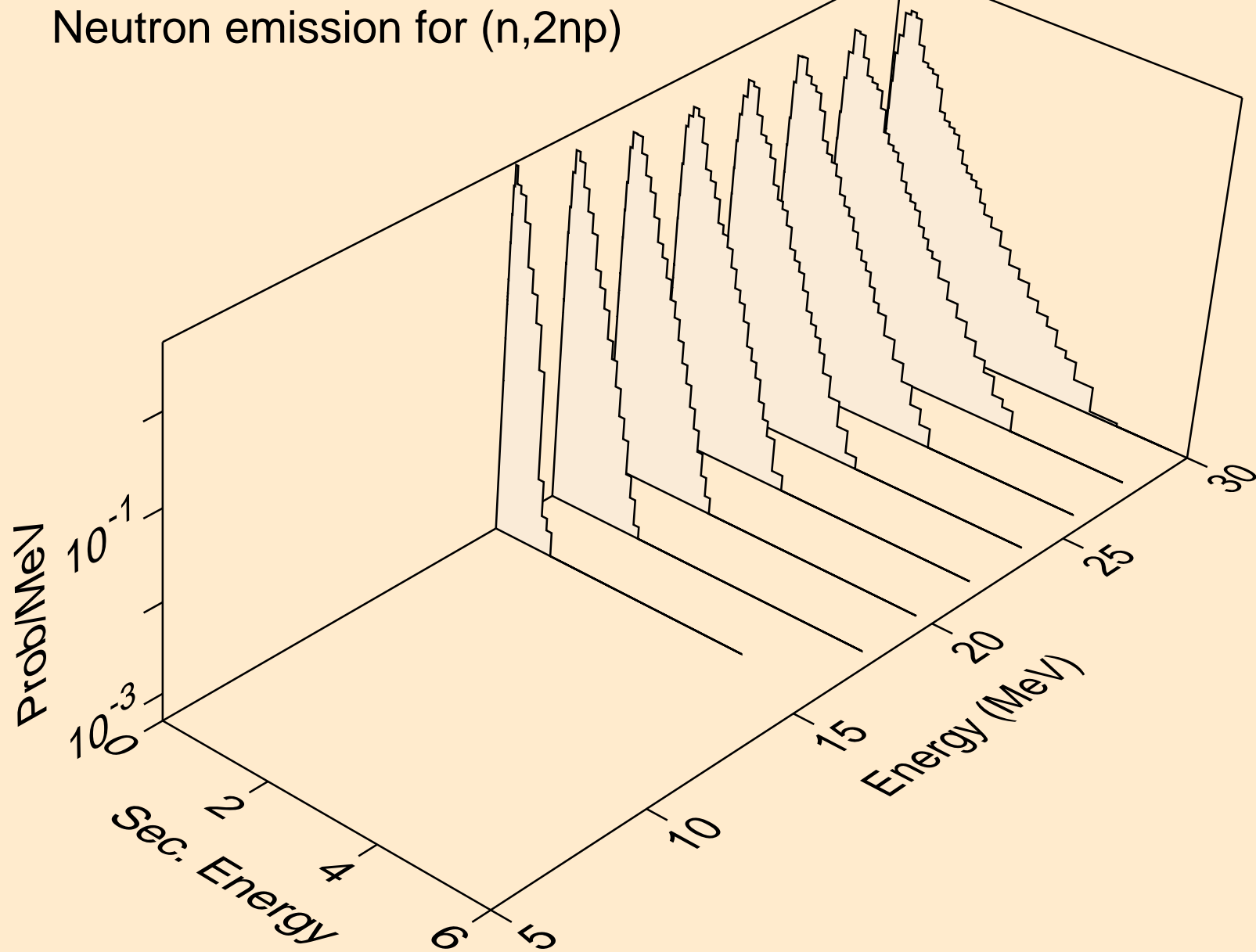
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Neutron emission for (n,2np)



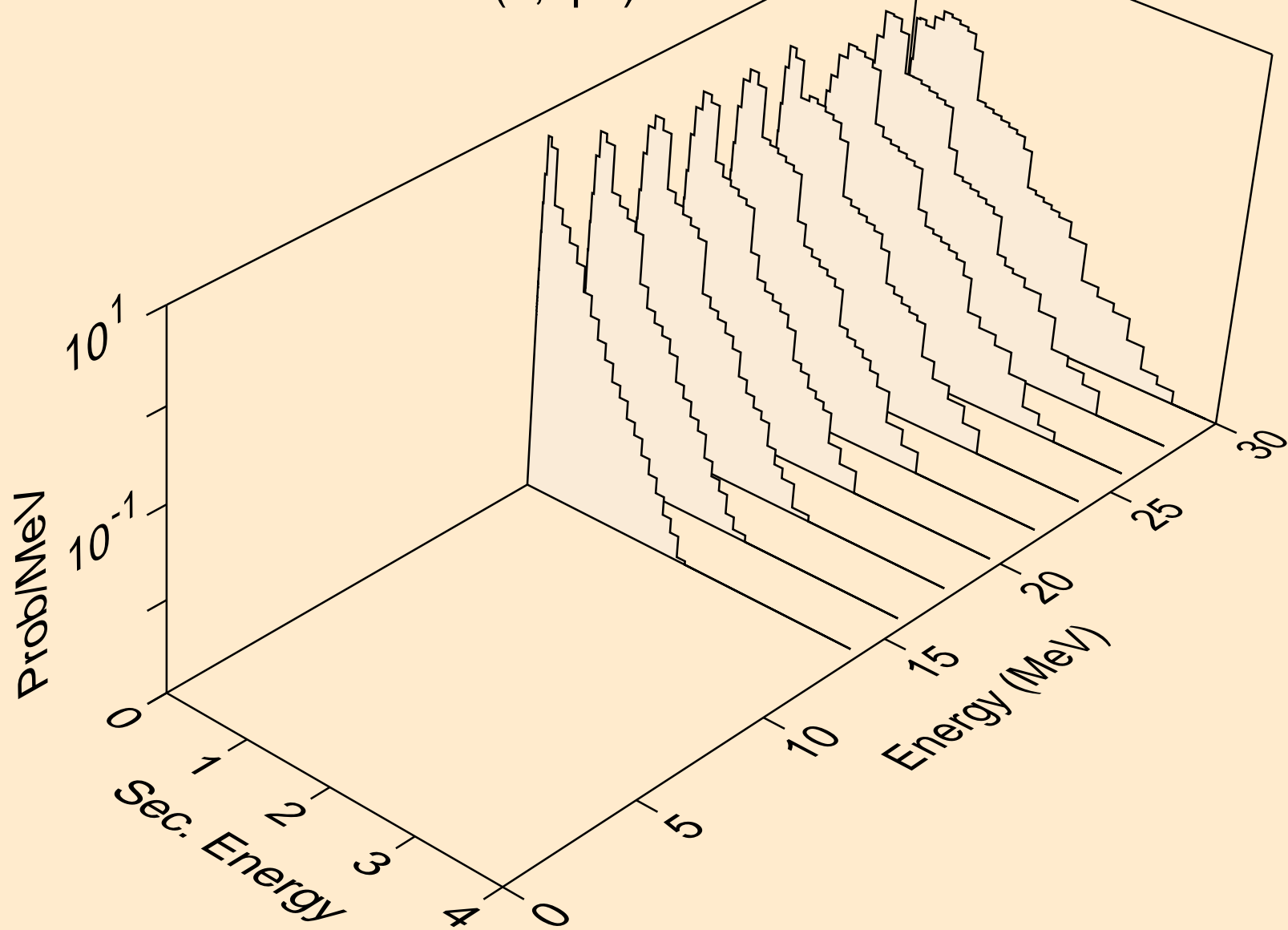
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Neutron emission for (n,3np)



PU233 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2np)

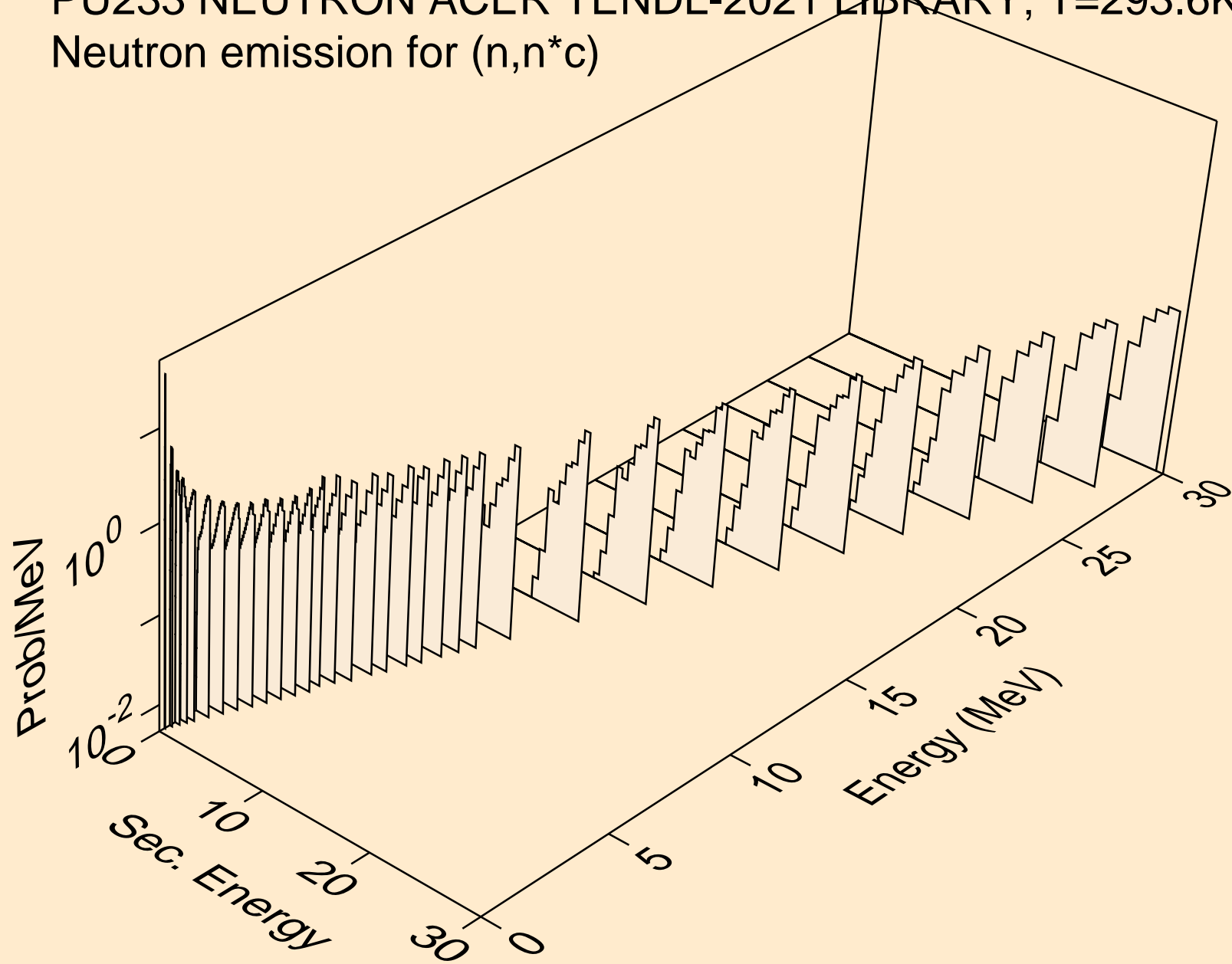


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Neutron emission for (n,npa)

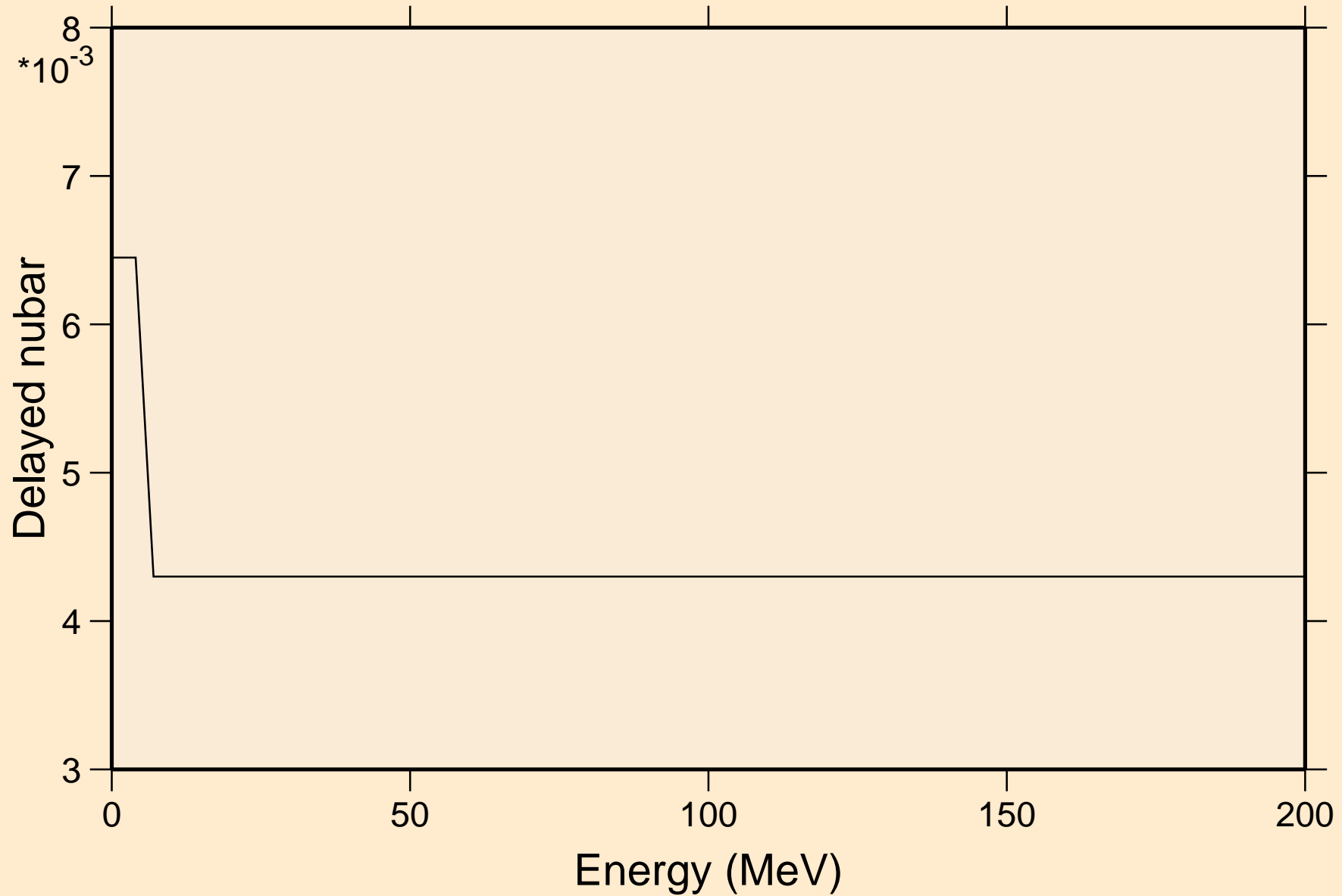




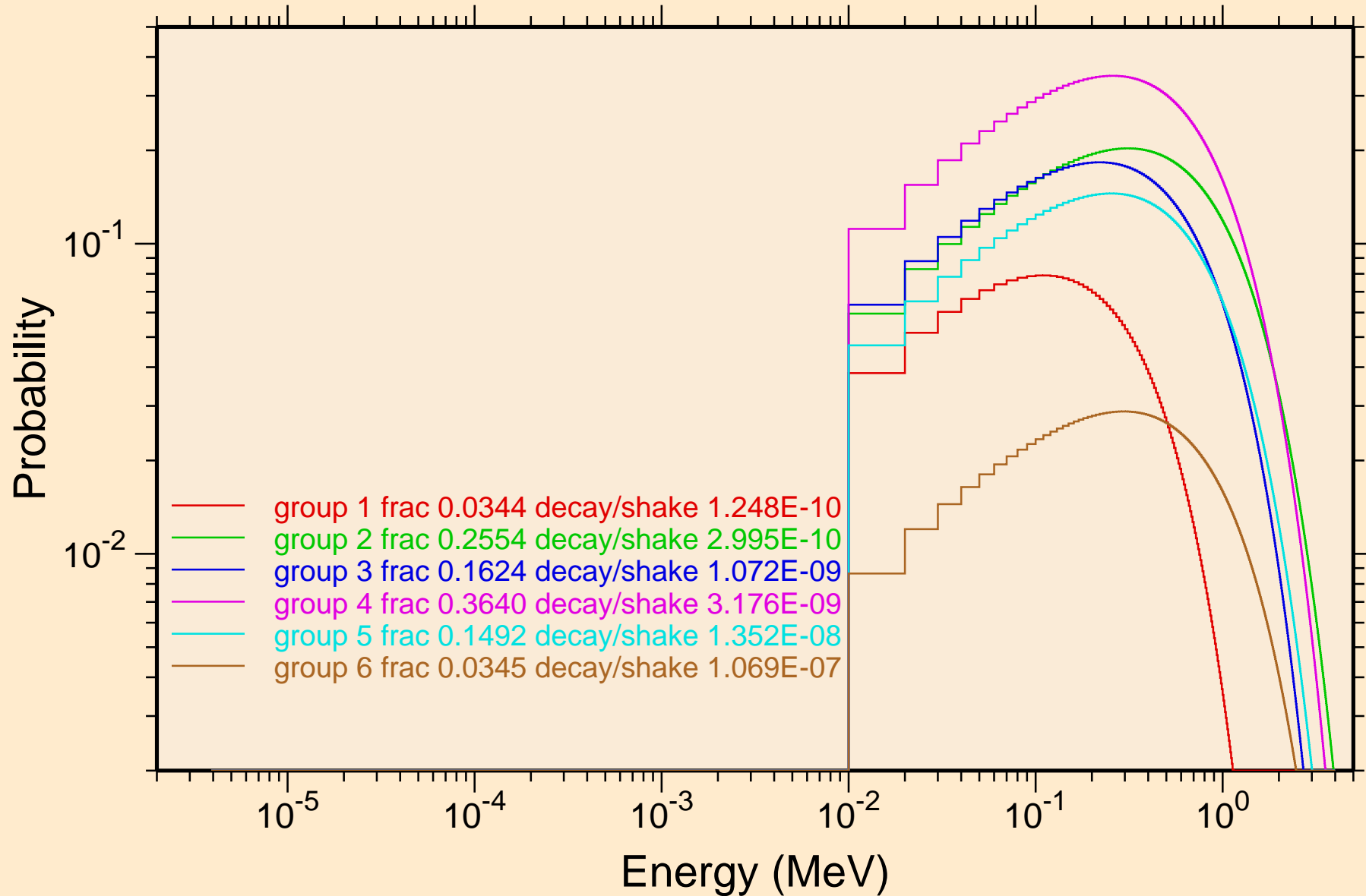
PU233 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*c)



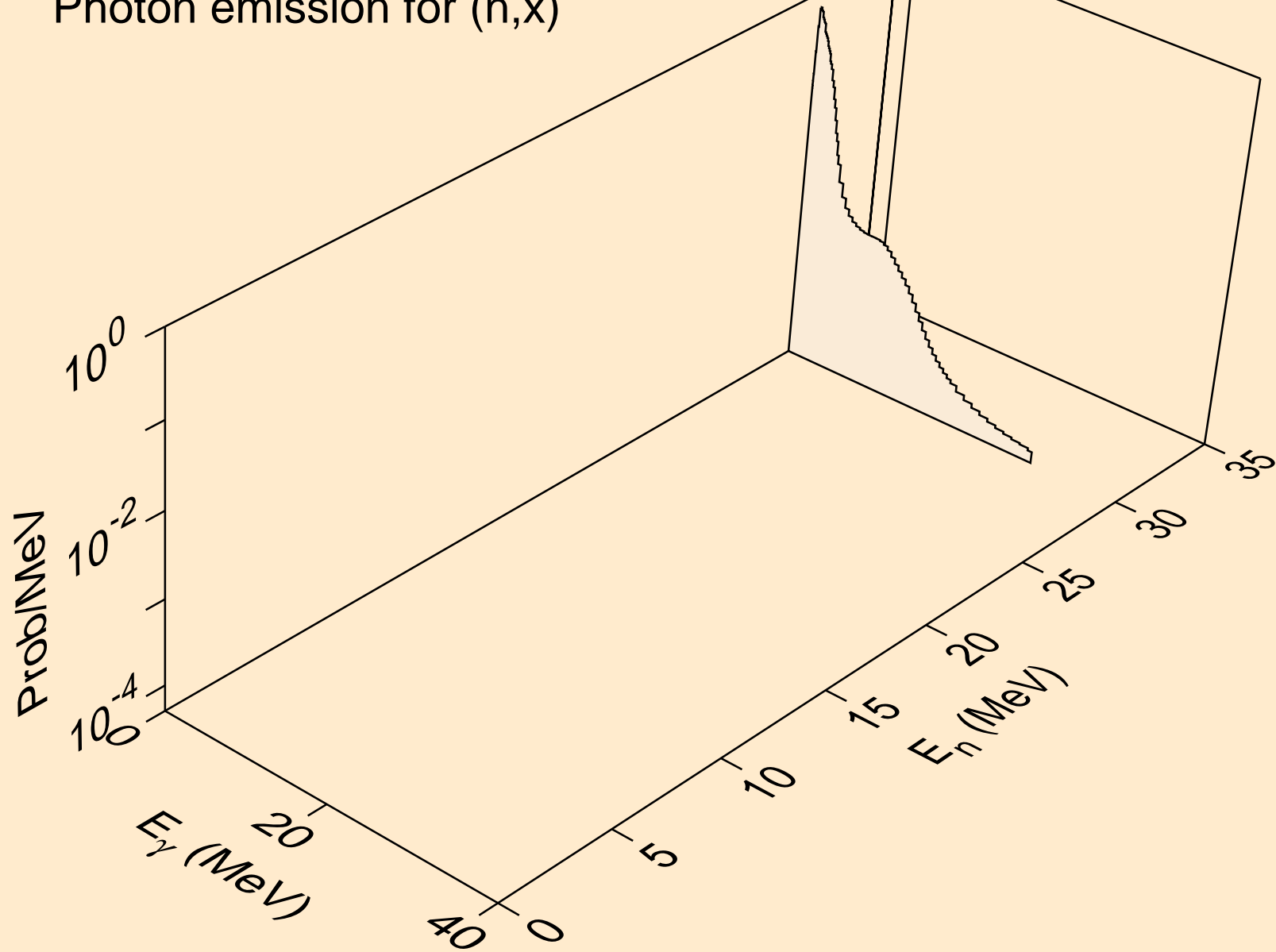
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Delayed nubar



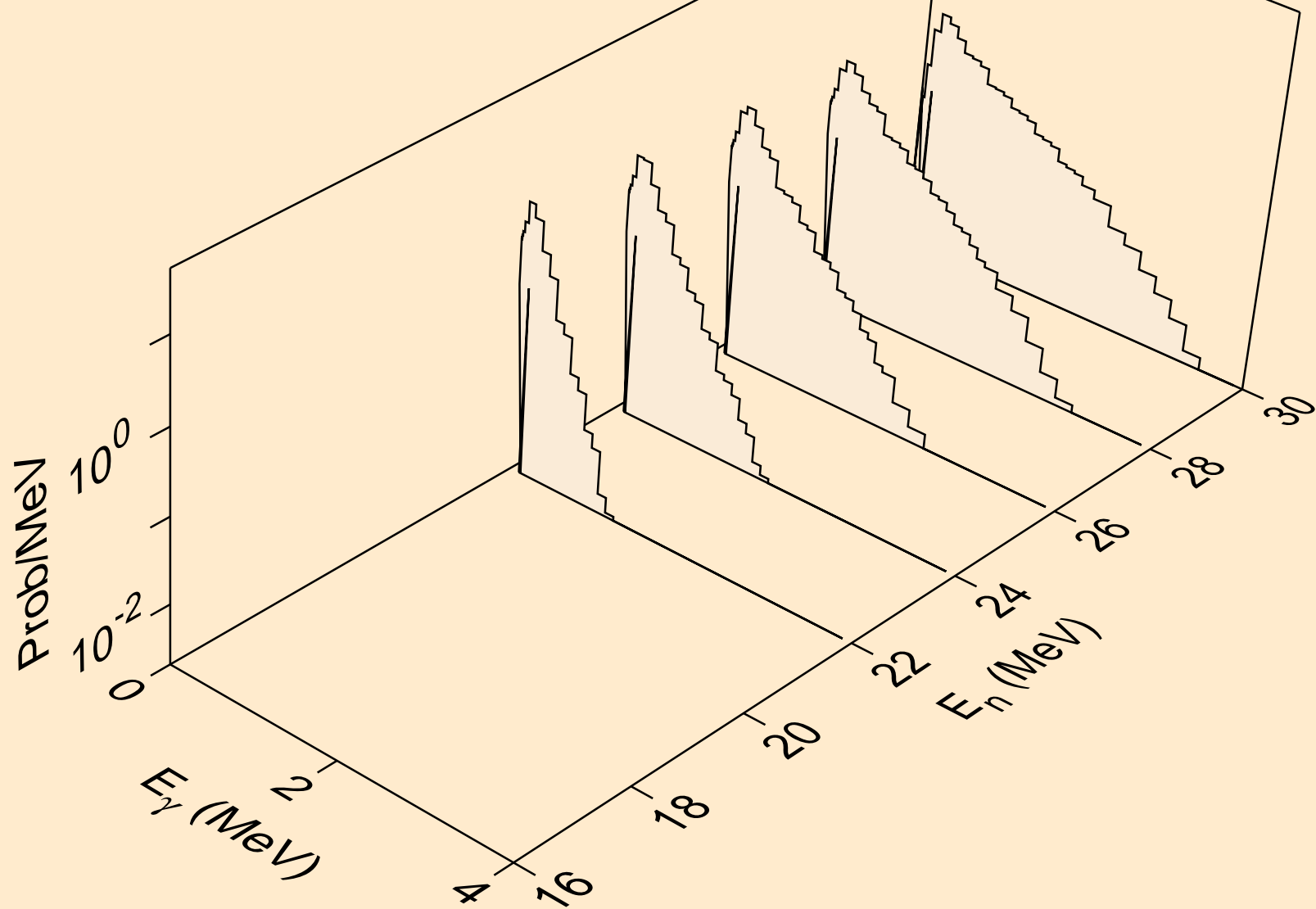
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Delayed neutron spectra



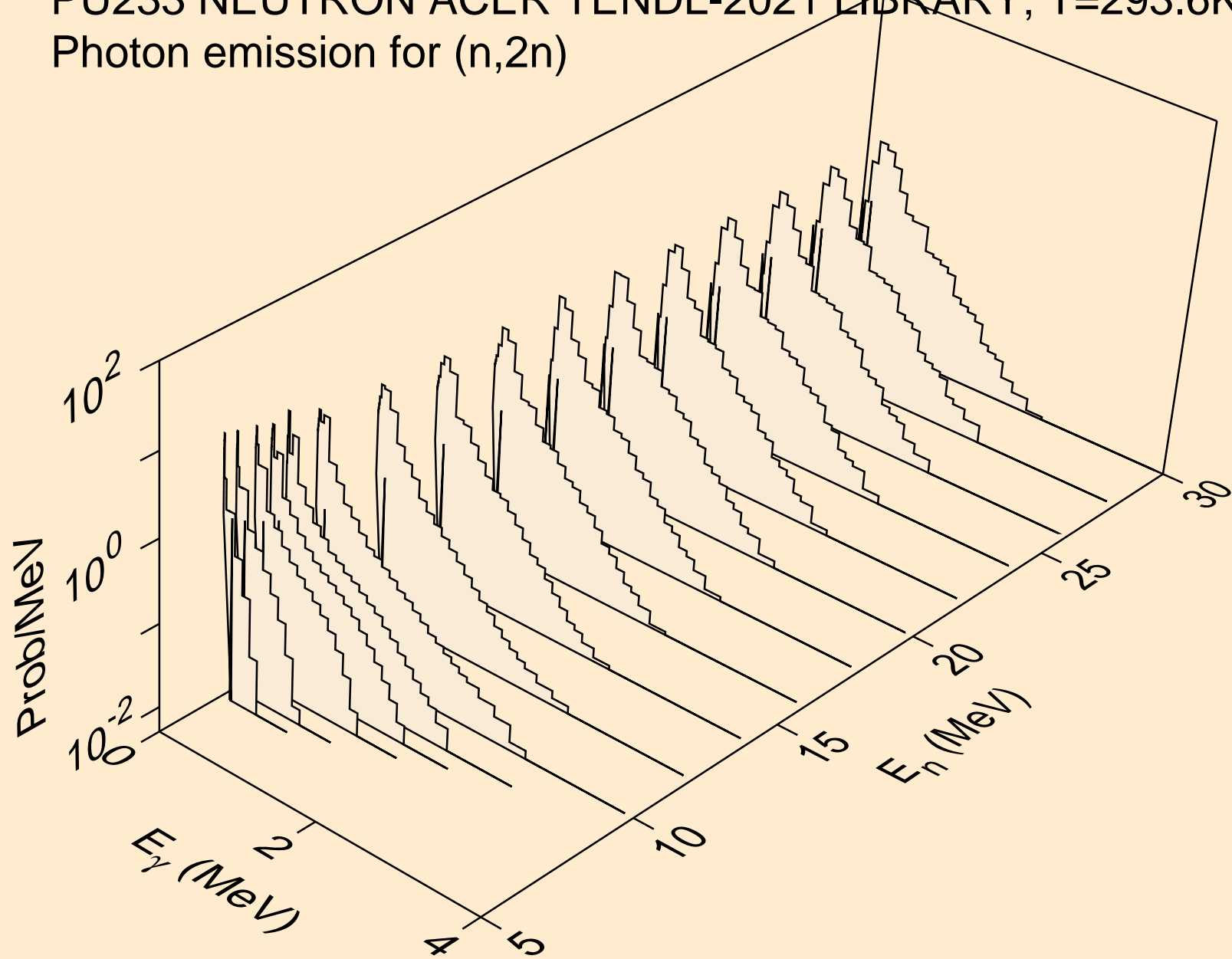
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Photon emission for (n,x)



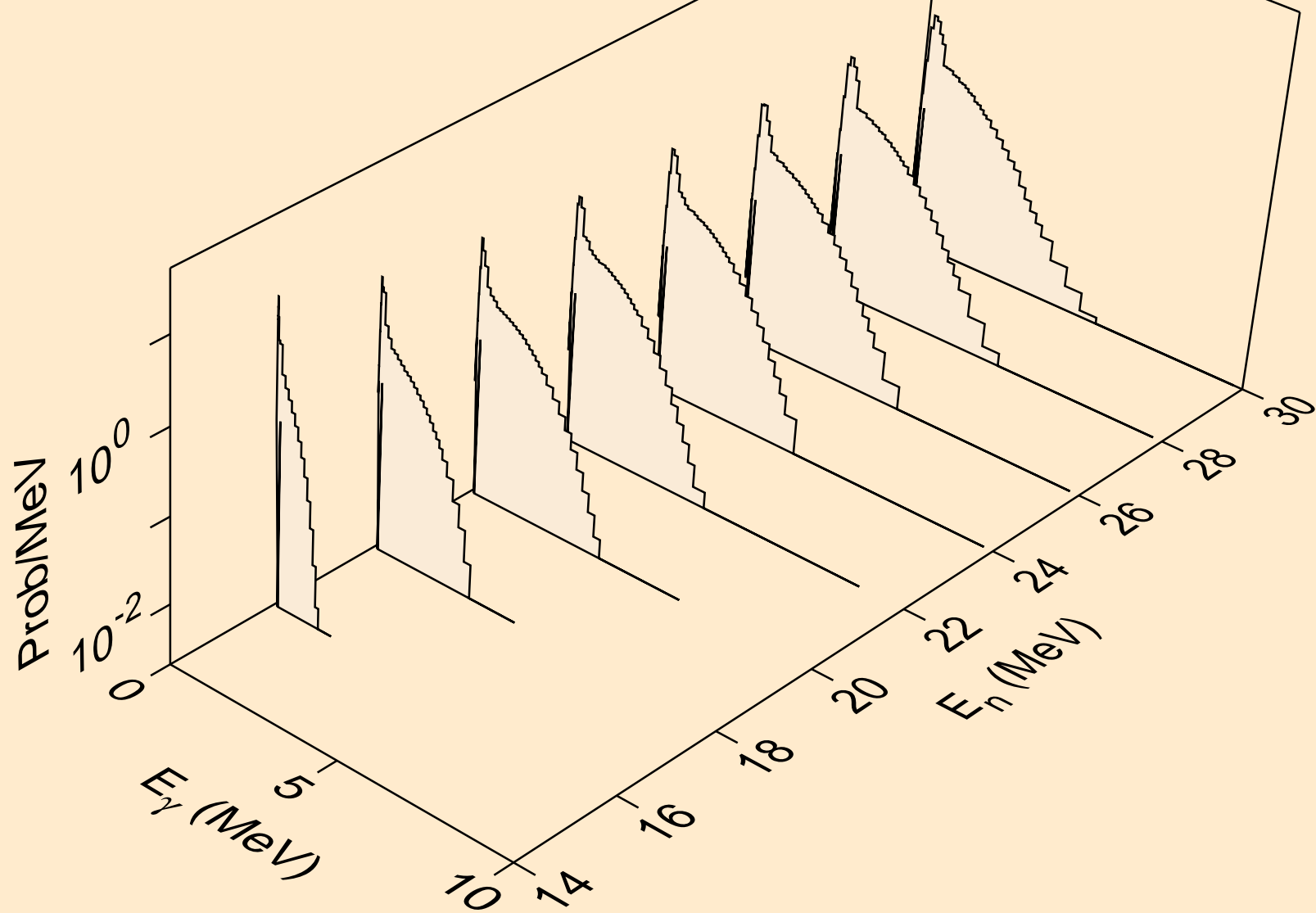
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Photon emission for (n,2nd)



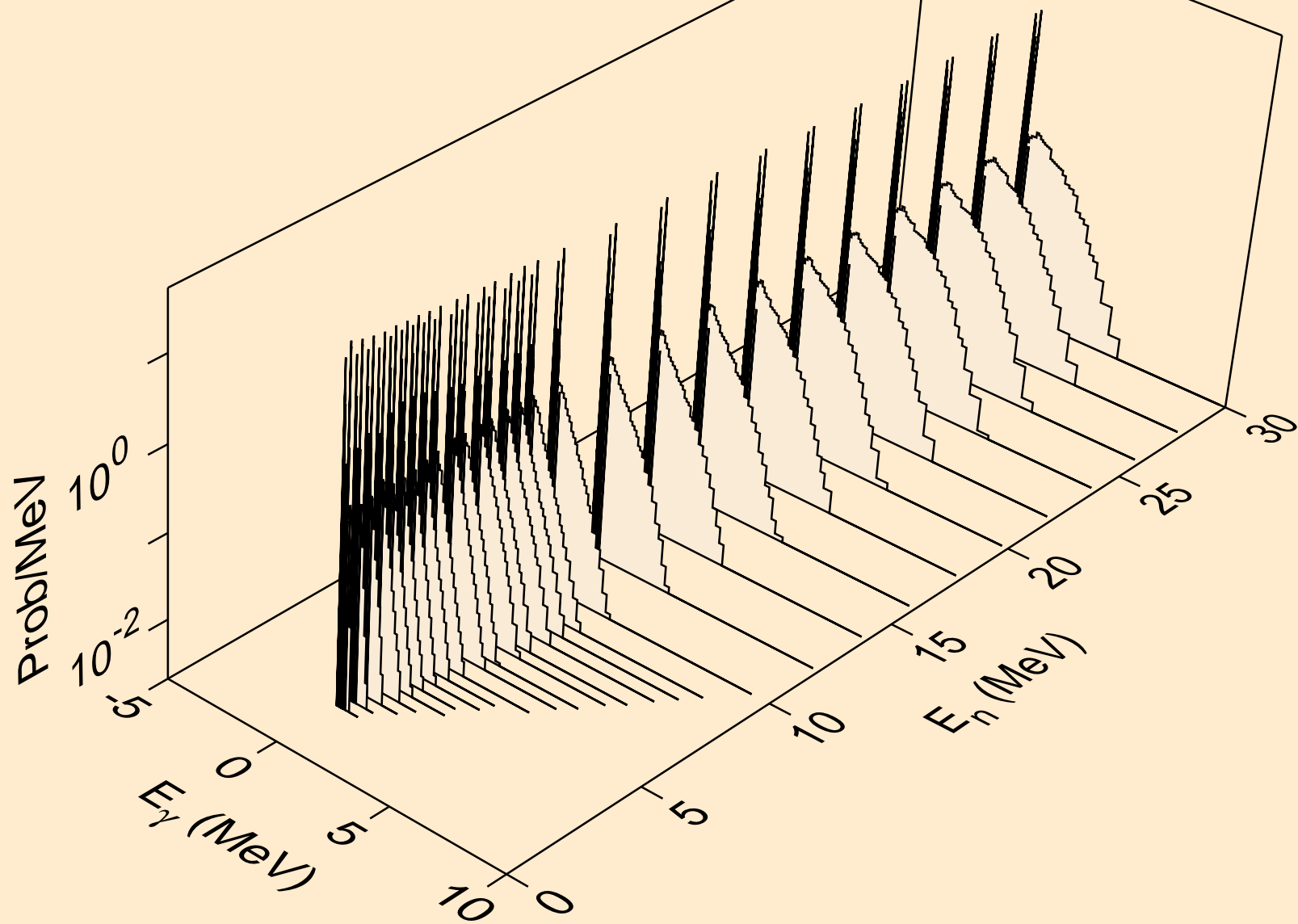
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Photon emission for (n,2n)



PU233 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3n)

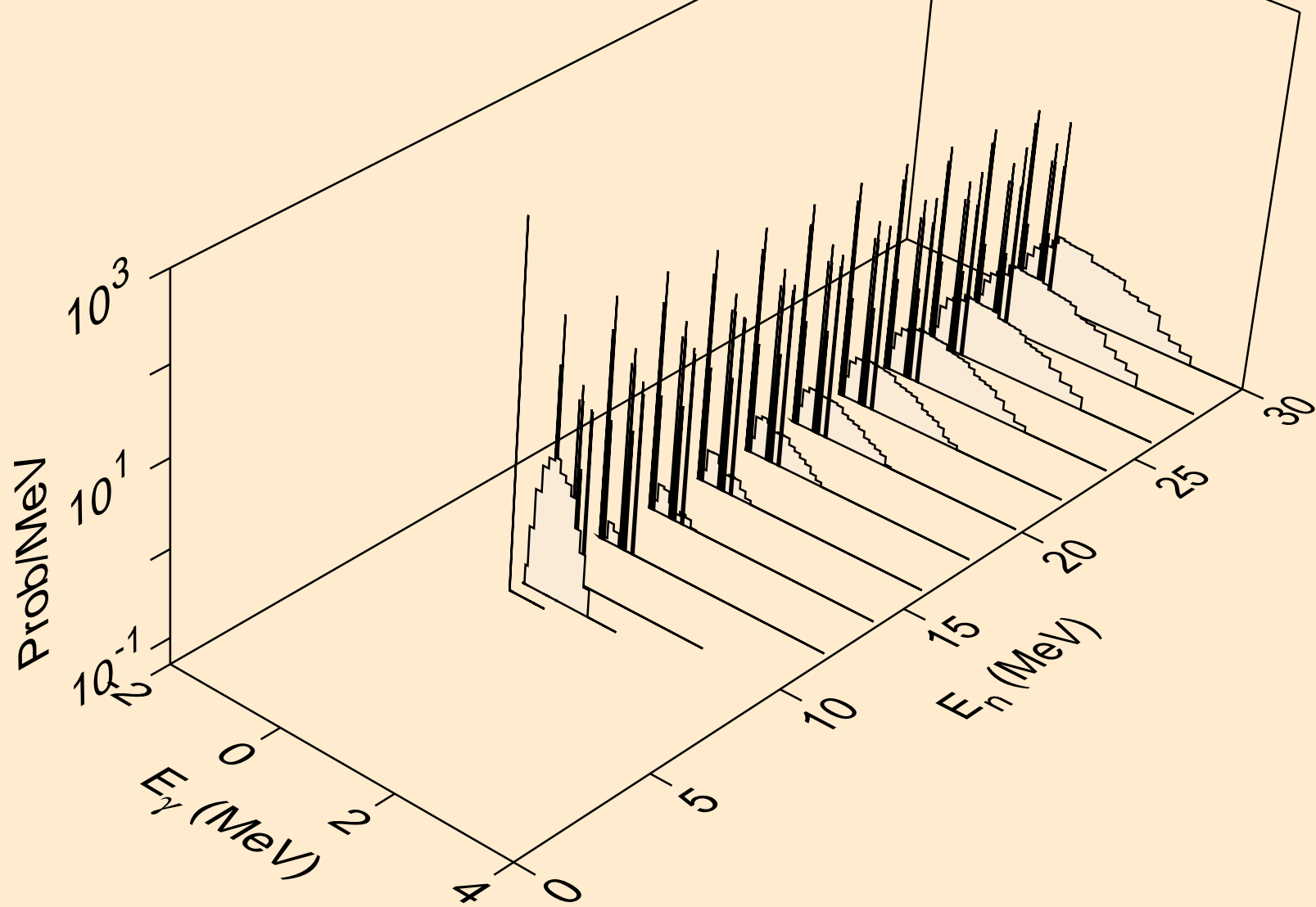


PU233 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)a

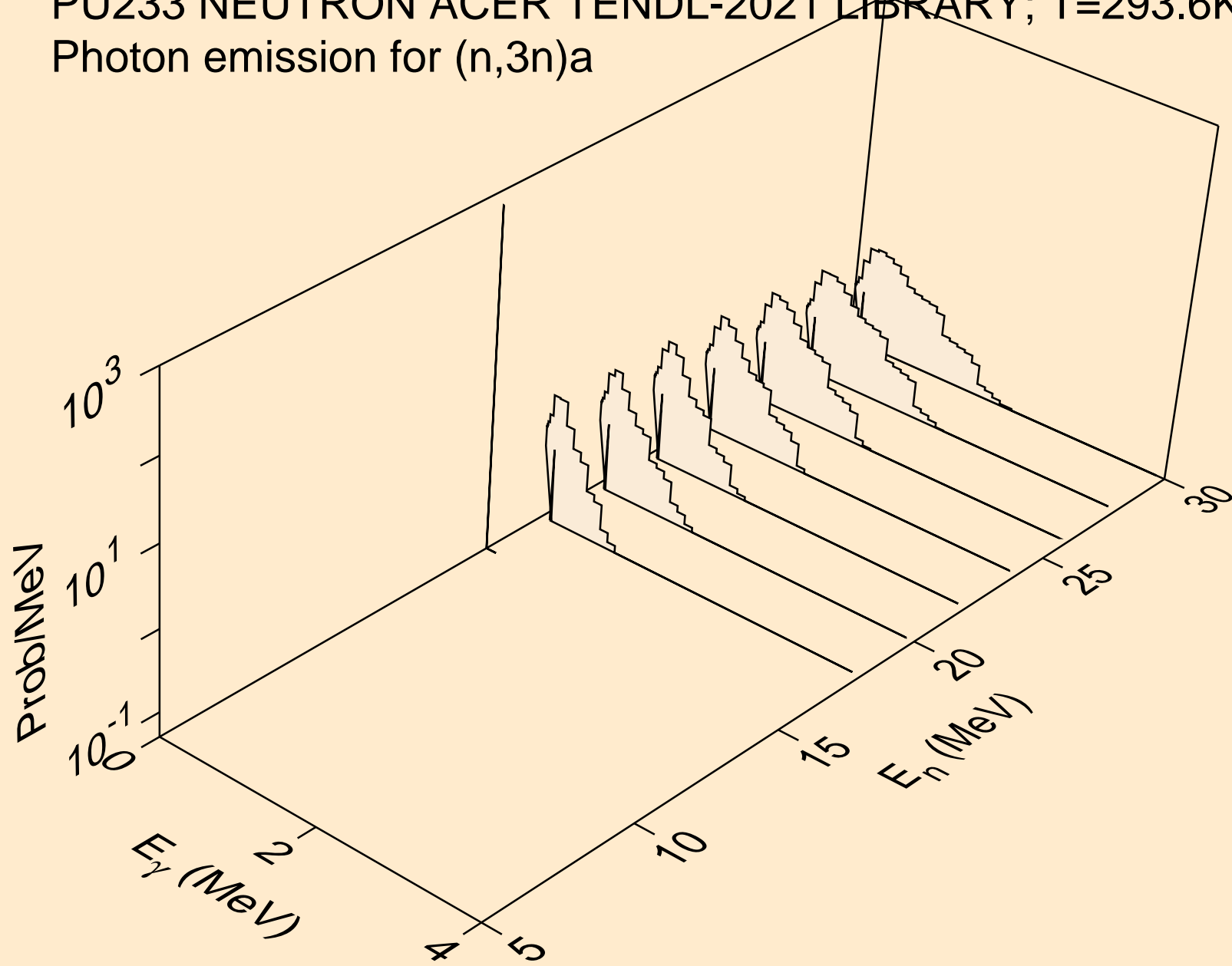




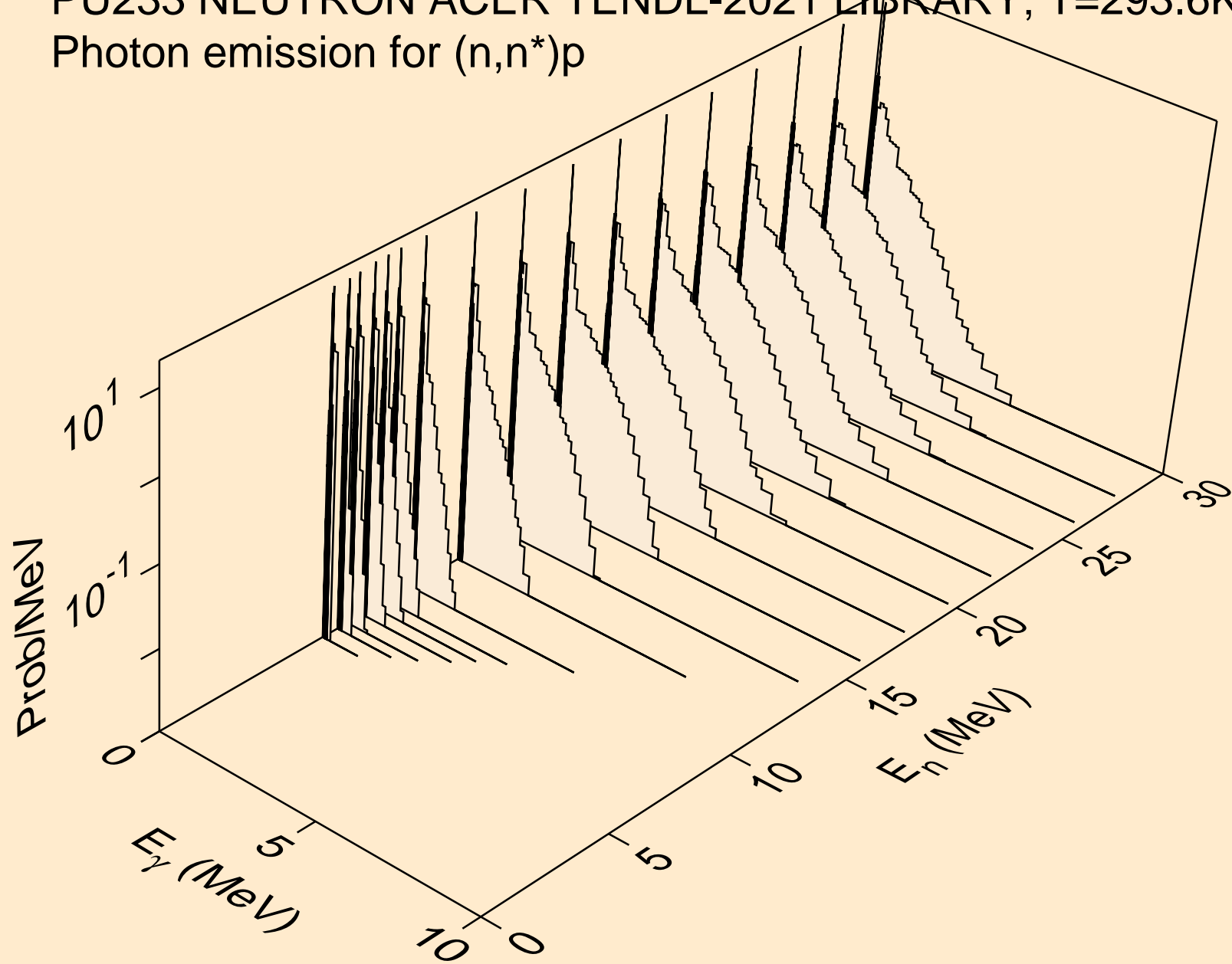
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Photon emission for (n,2n)a



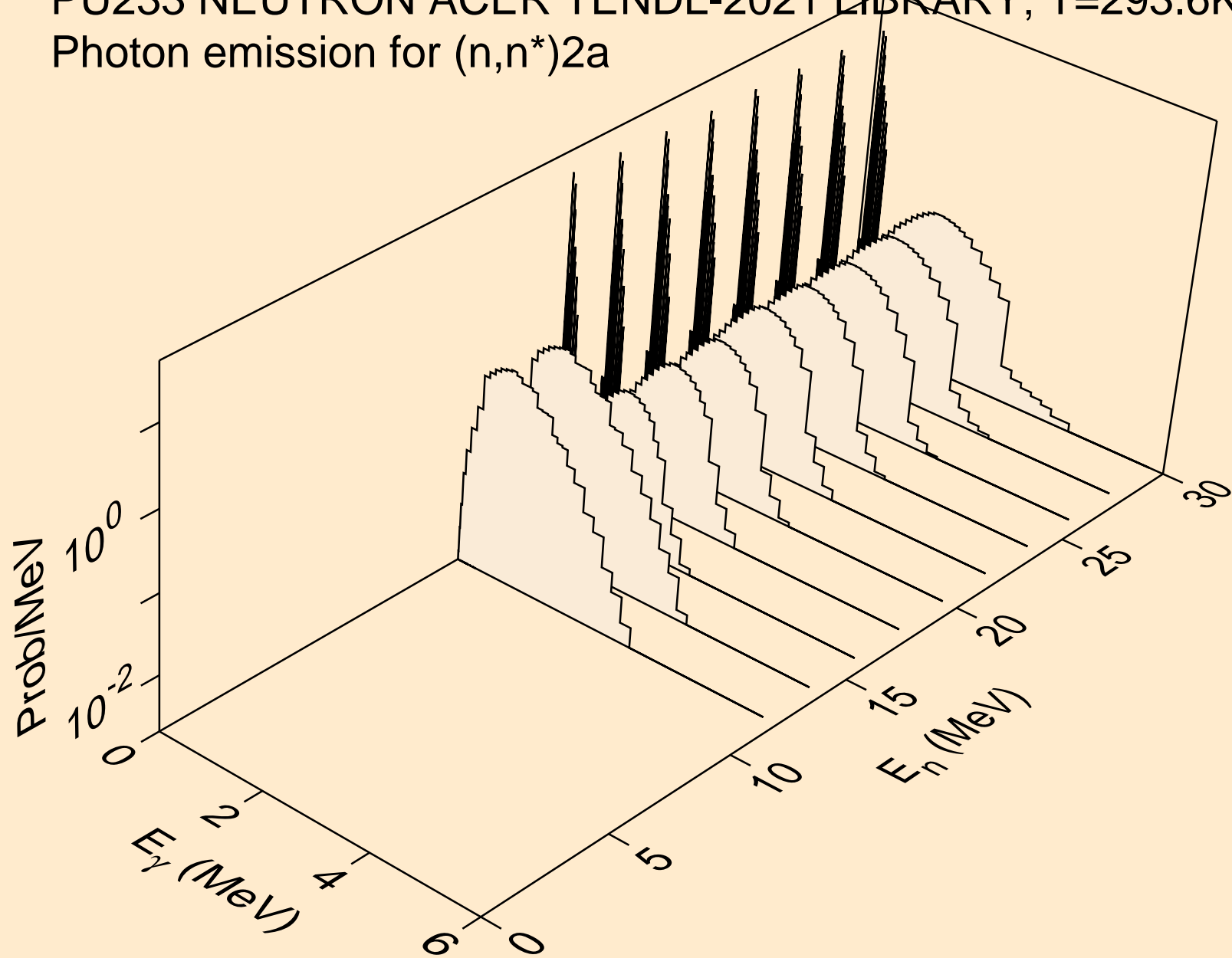
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Photon emission for (n,3n)a



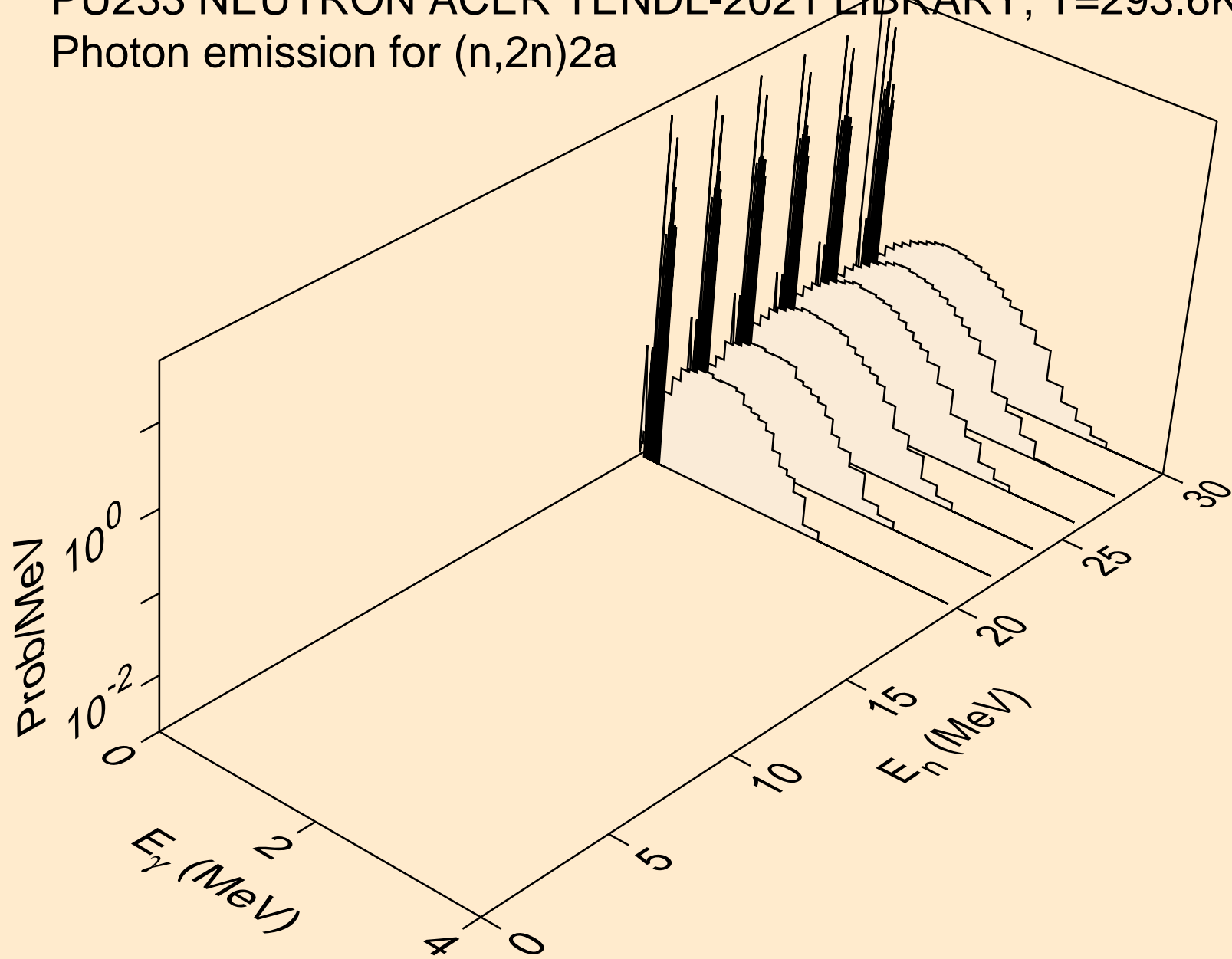
PU233 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)p



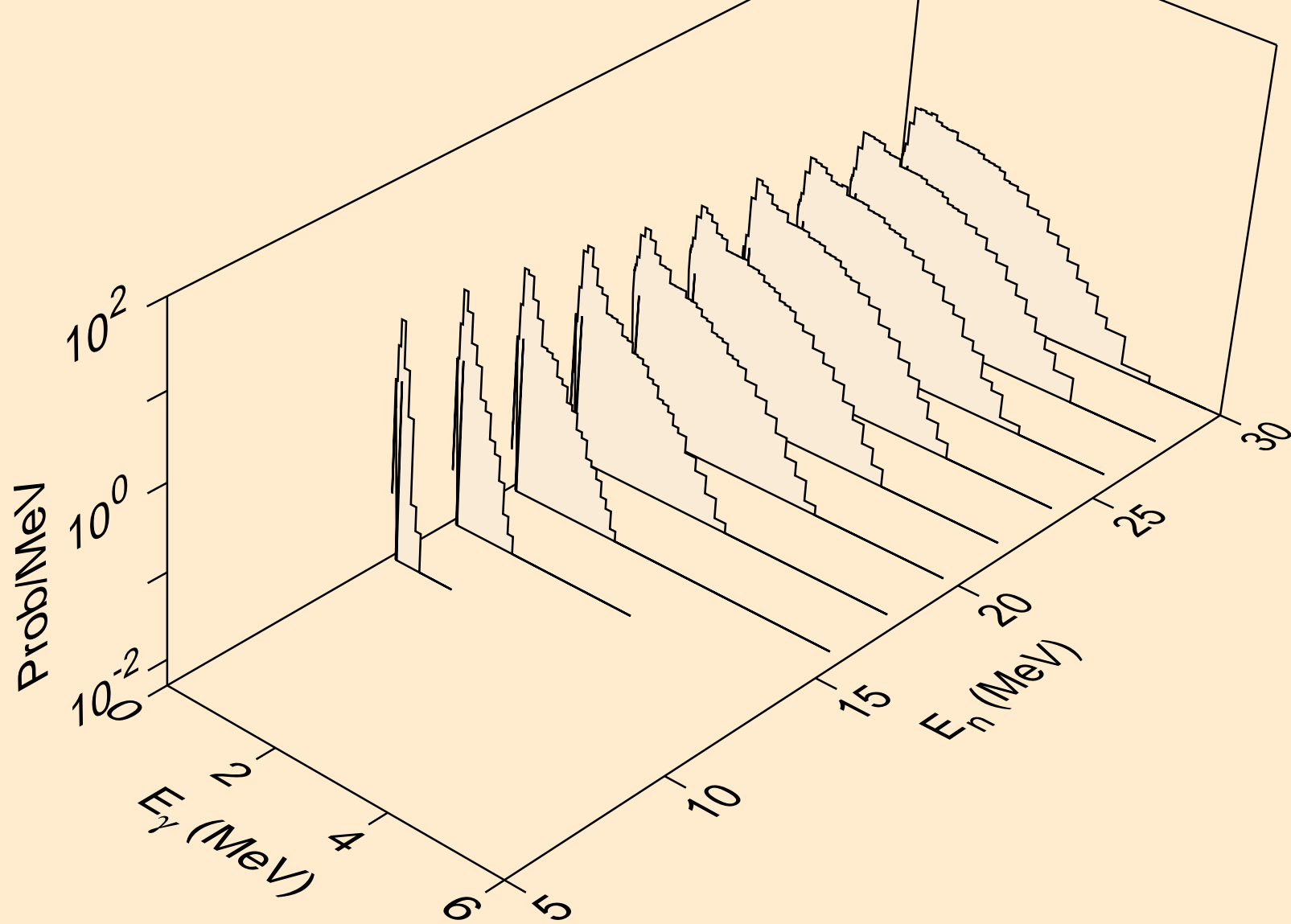
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Photon emission for (n,n\*)2a



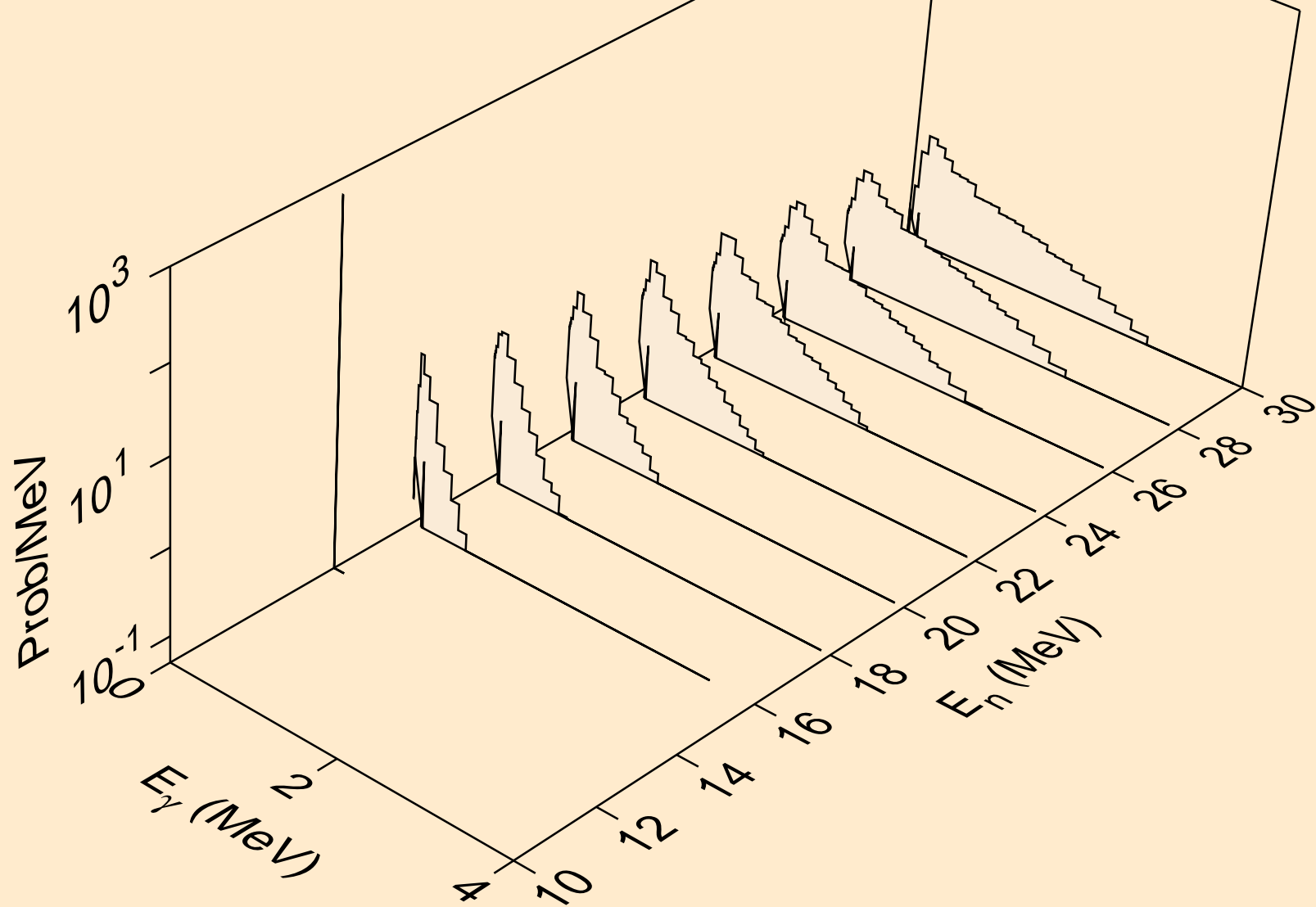
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Photon emission for (n,2n)2a



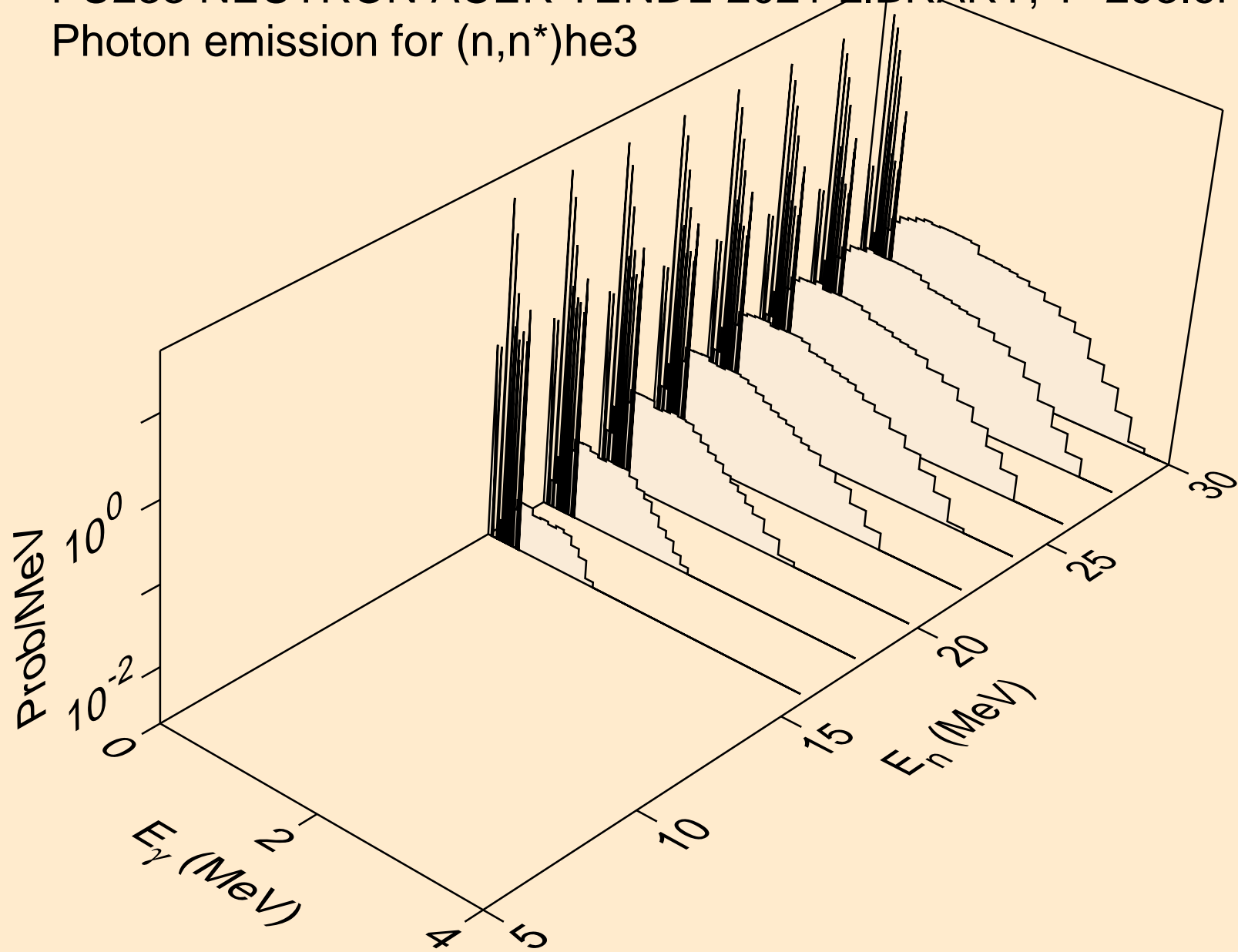
PU233 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)d



PU233 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)t

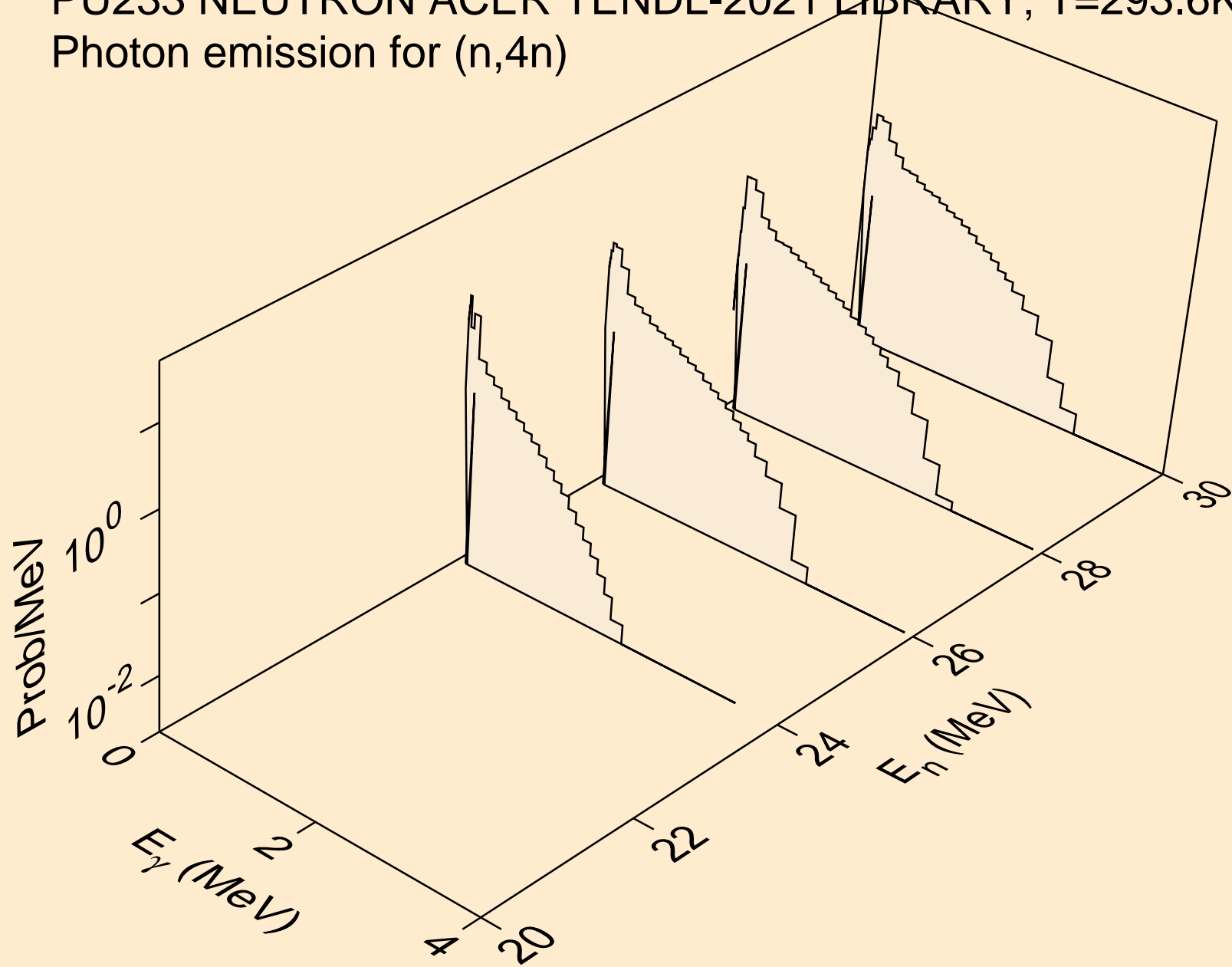


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Photon emission for (n,n\*)he3

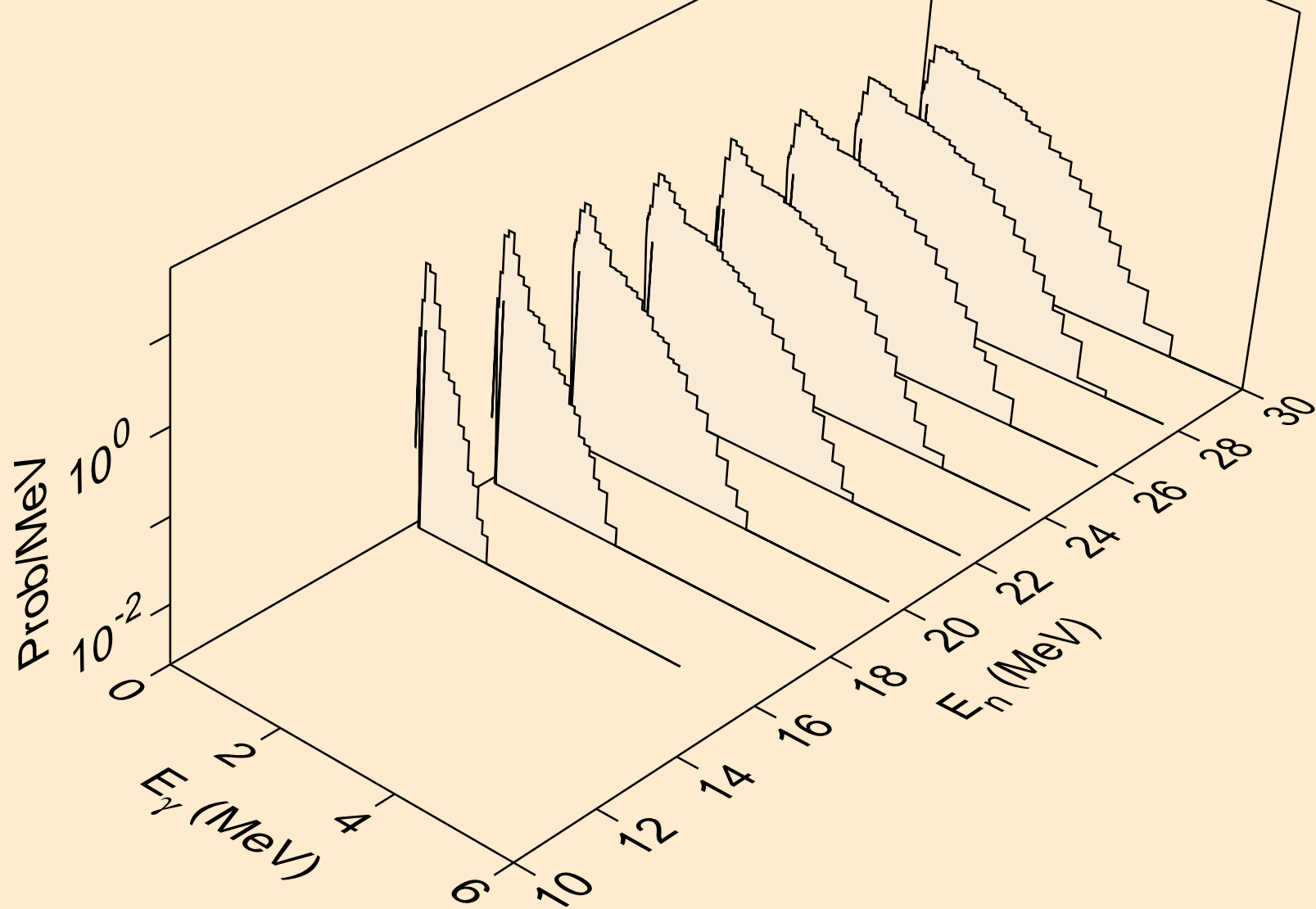




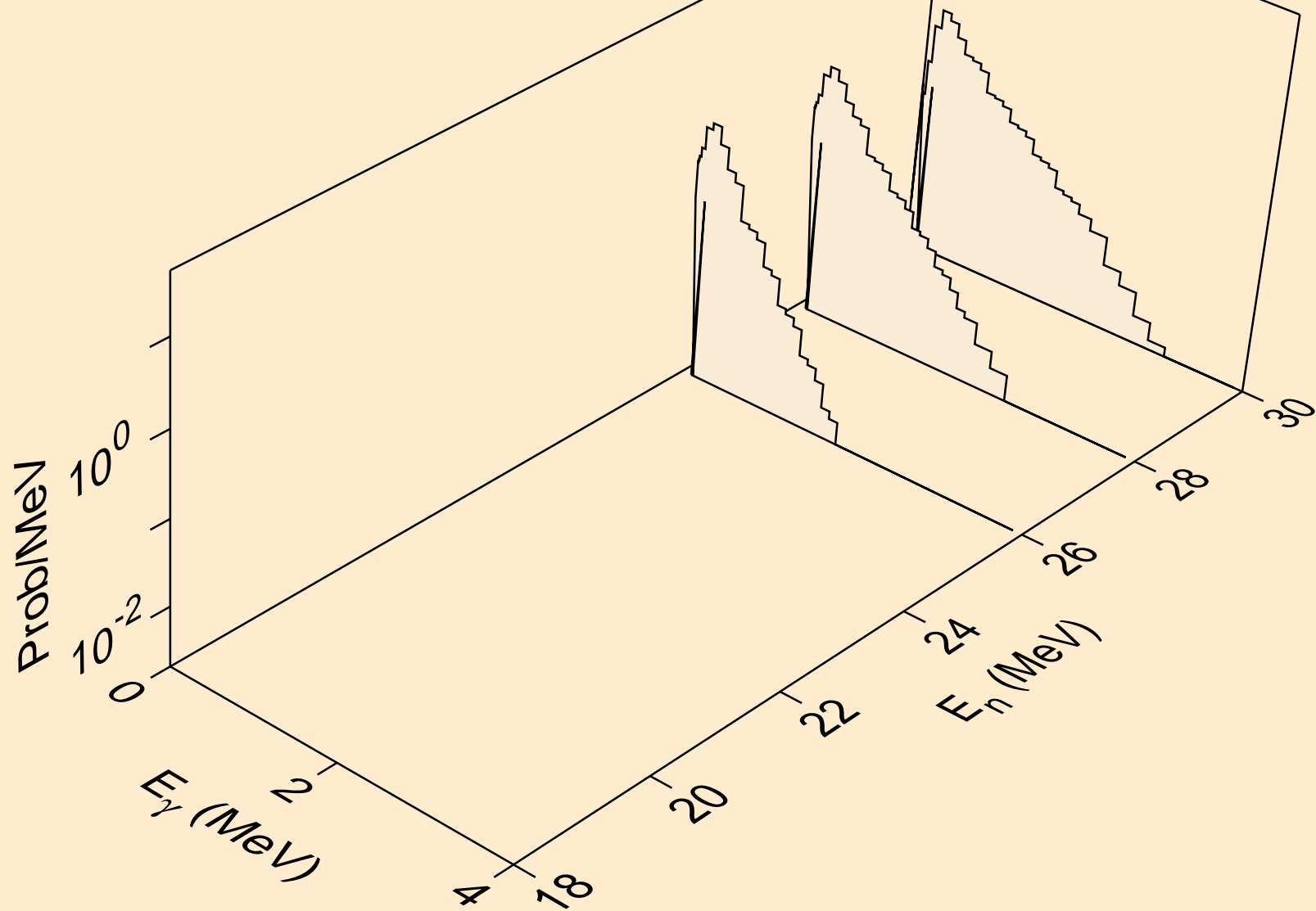
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Photon emission for (n,4n)



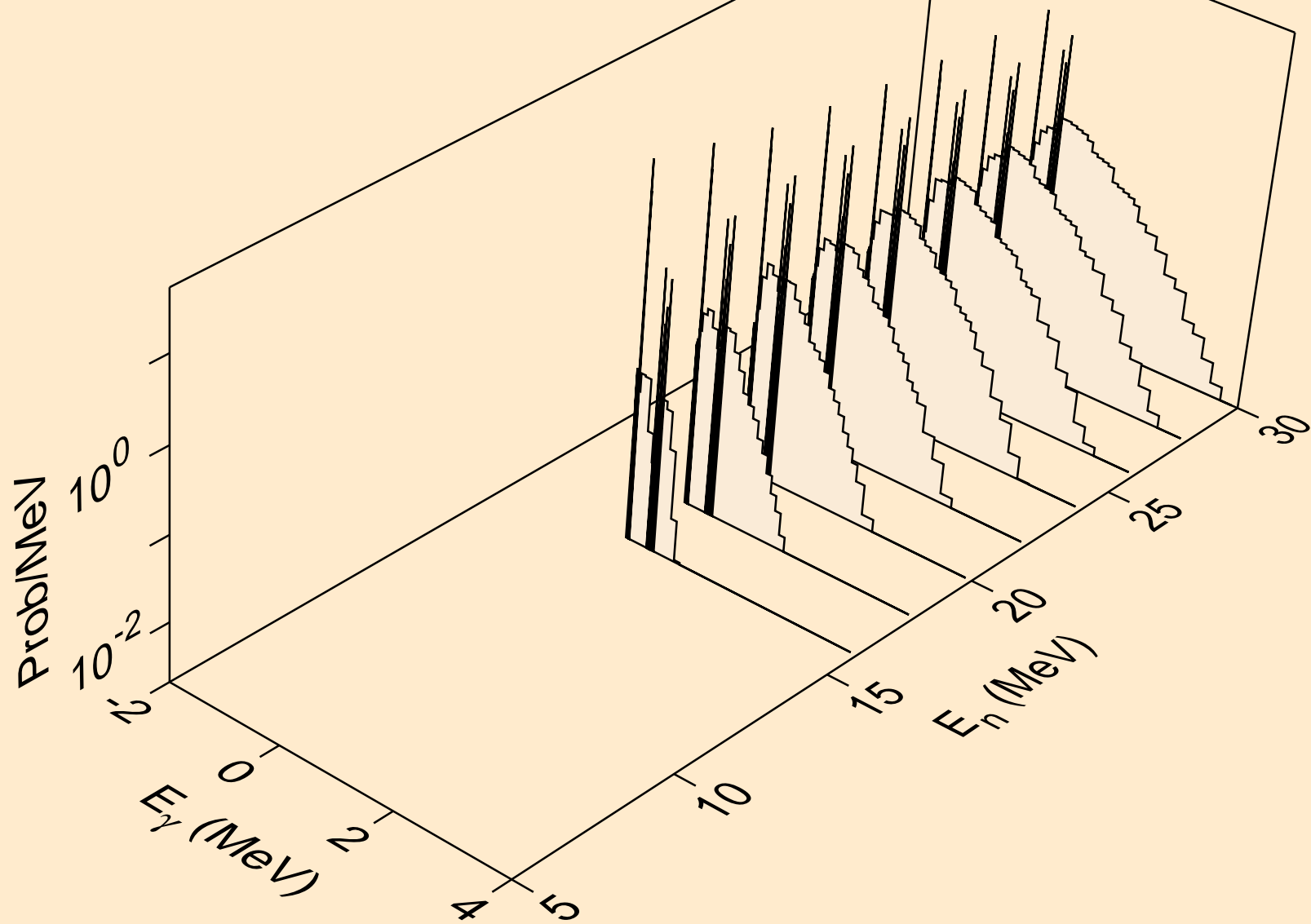
PU233 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2np)



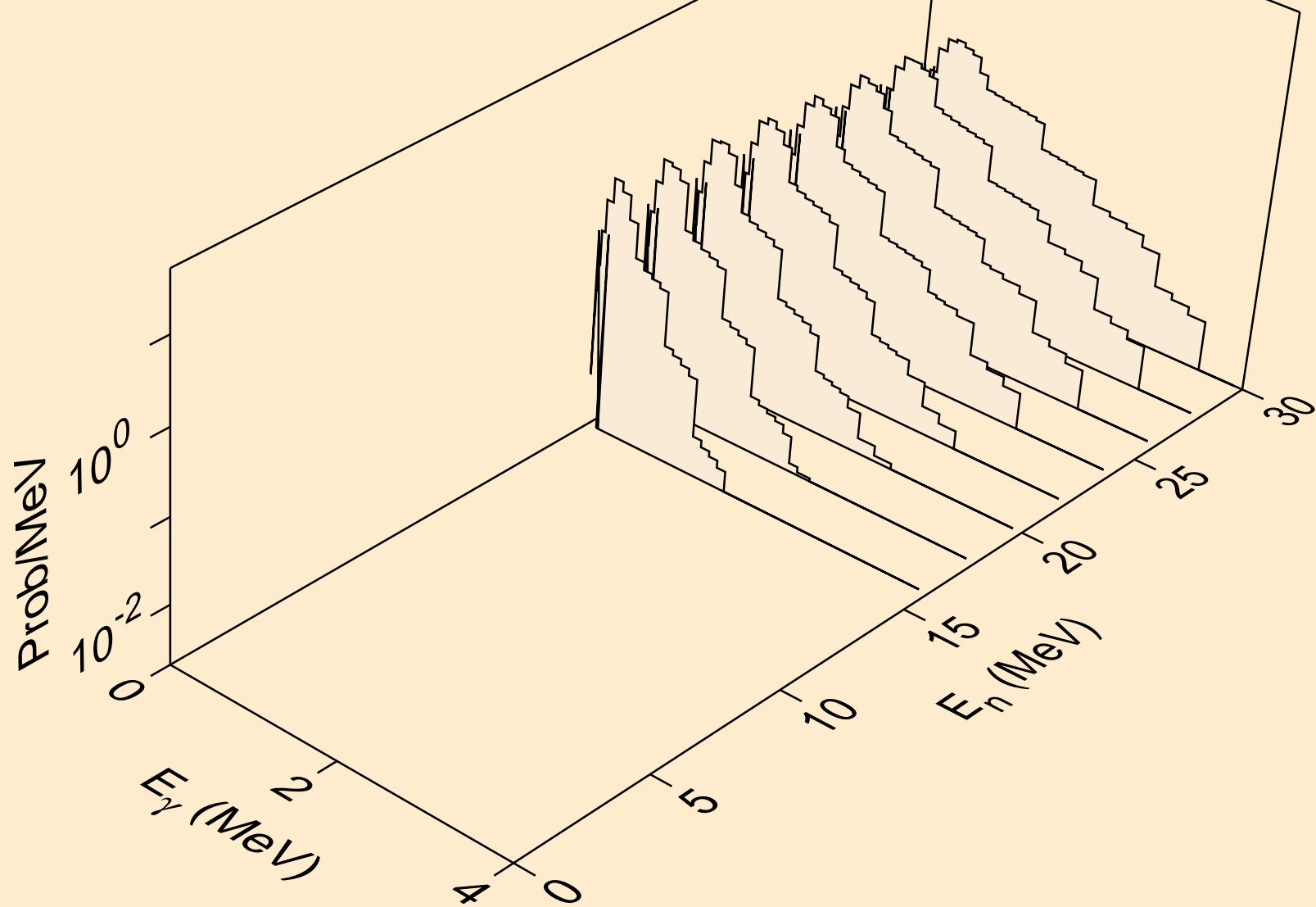
PU233 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3np)



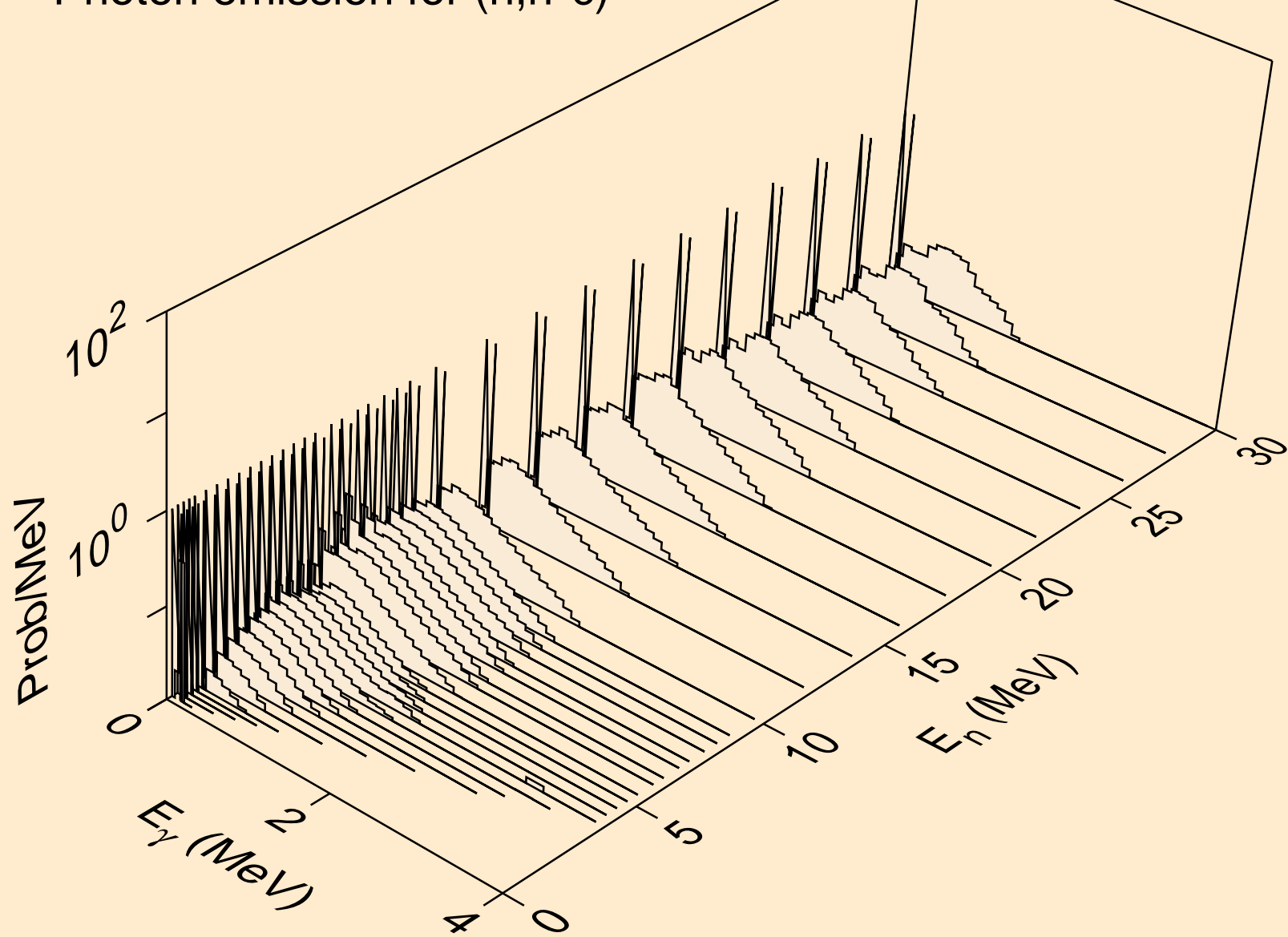
PU233 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2np)



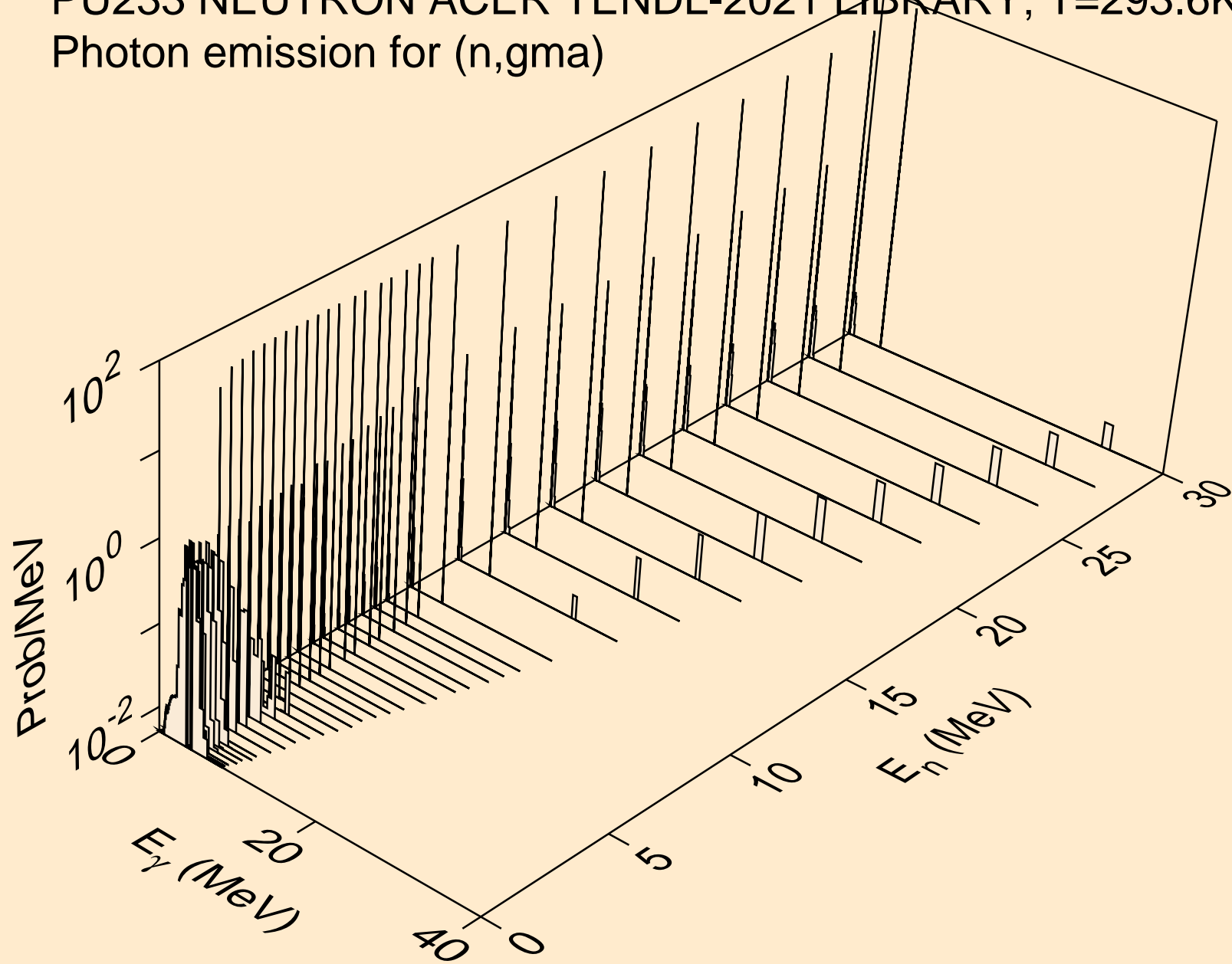
PU233 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,npa)



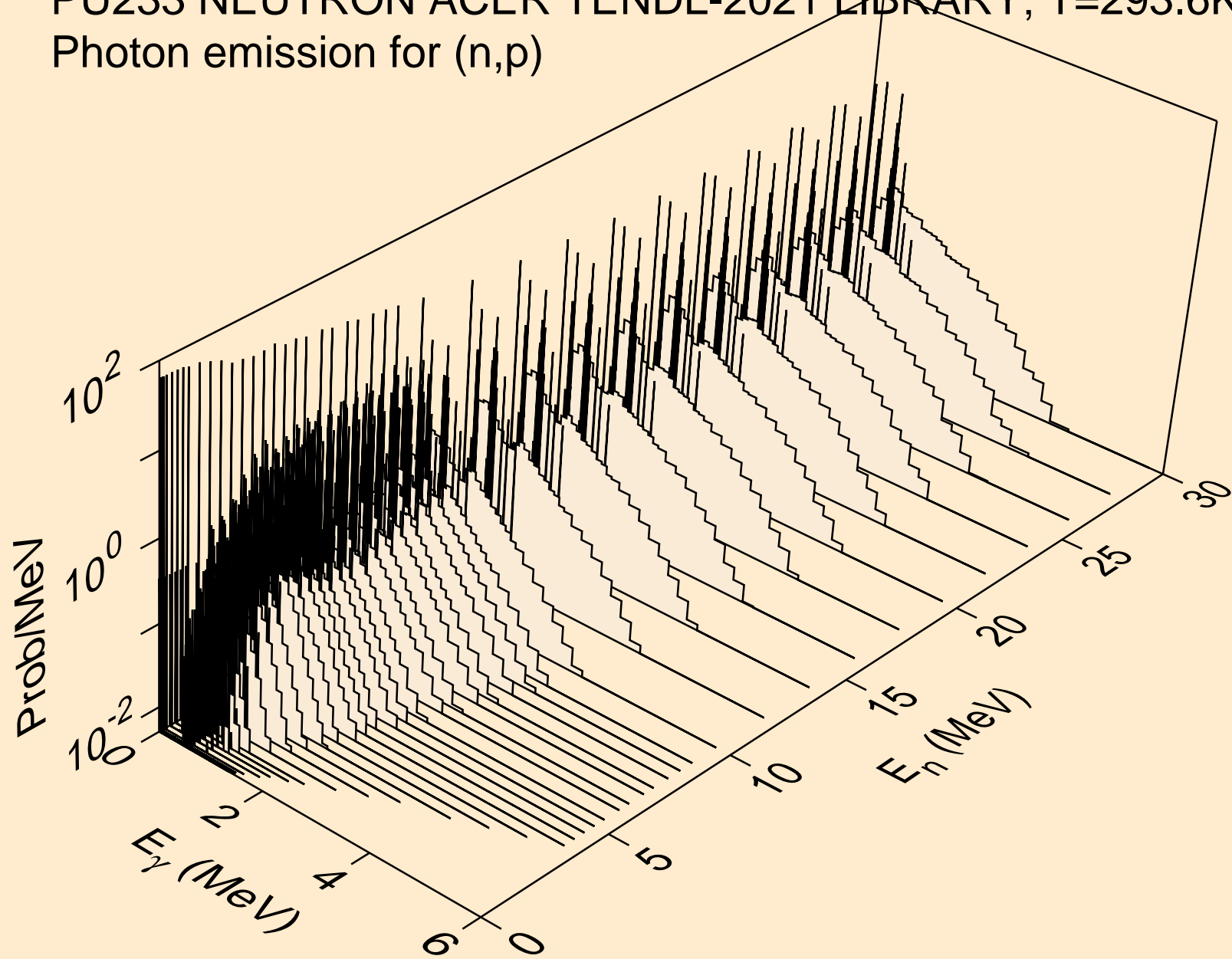
PU233 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*c)



PU233 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,gma)

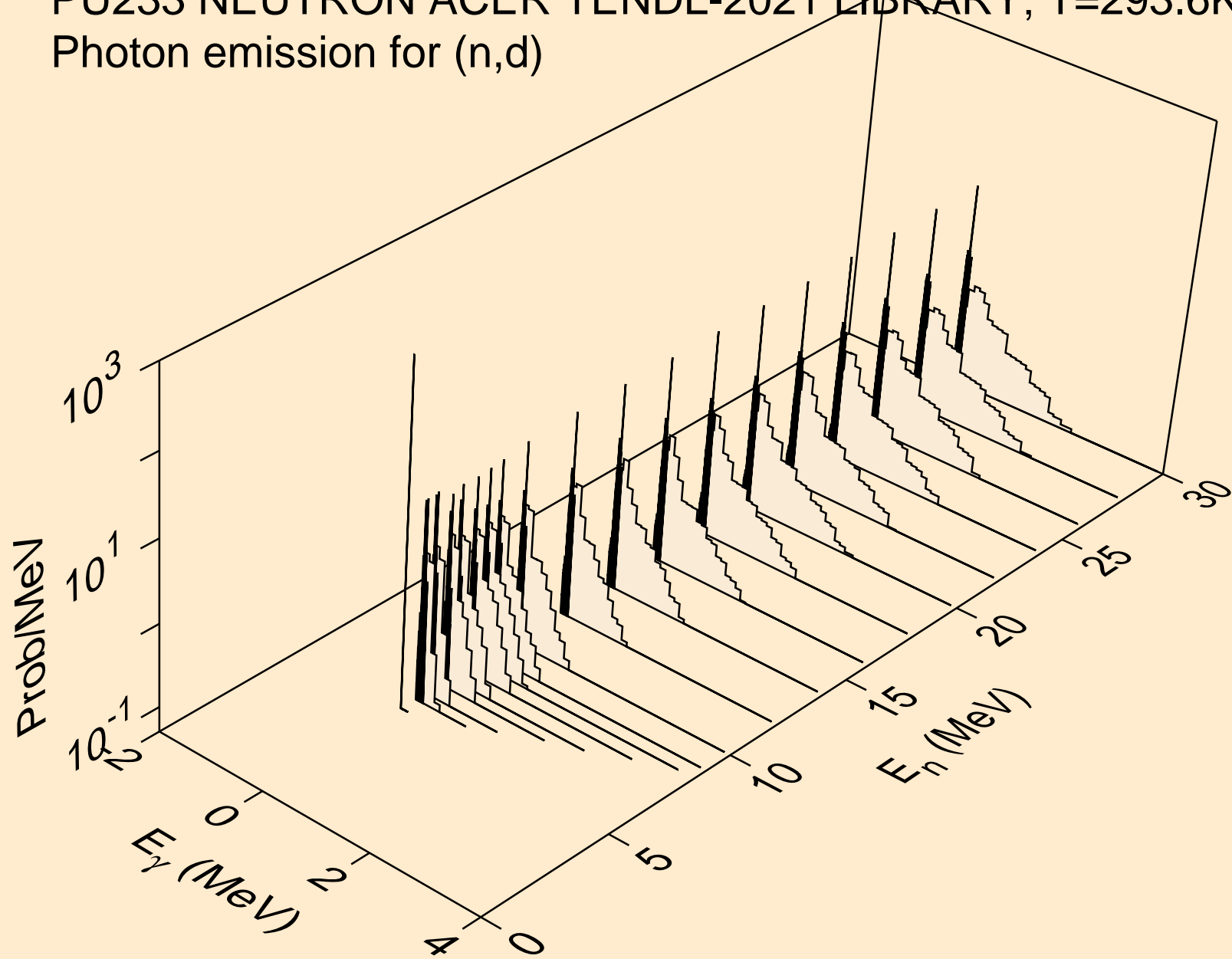


PU233 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,p)

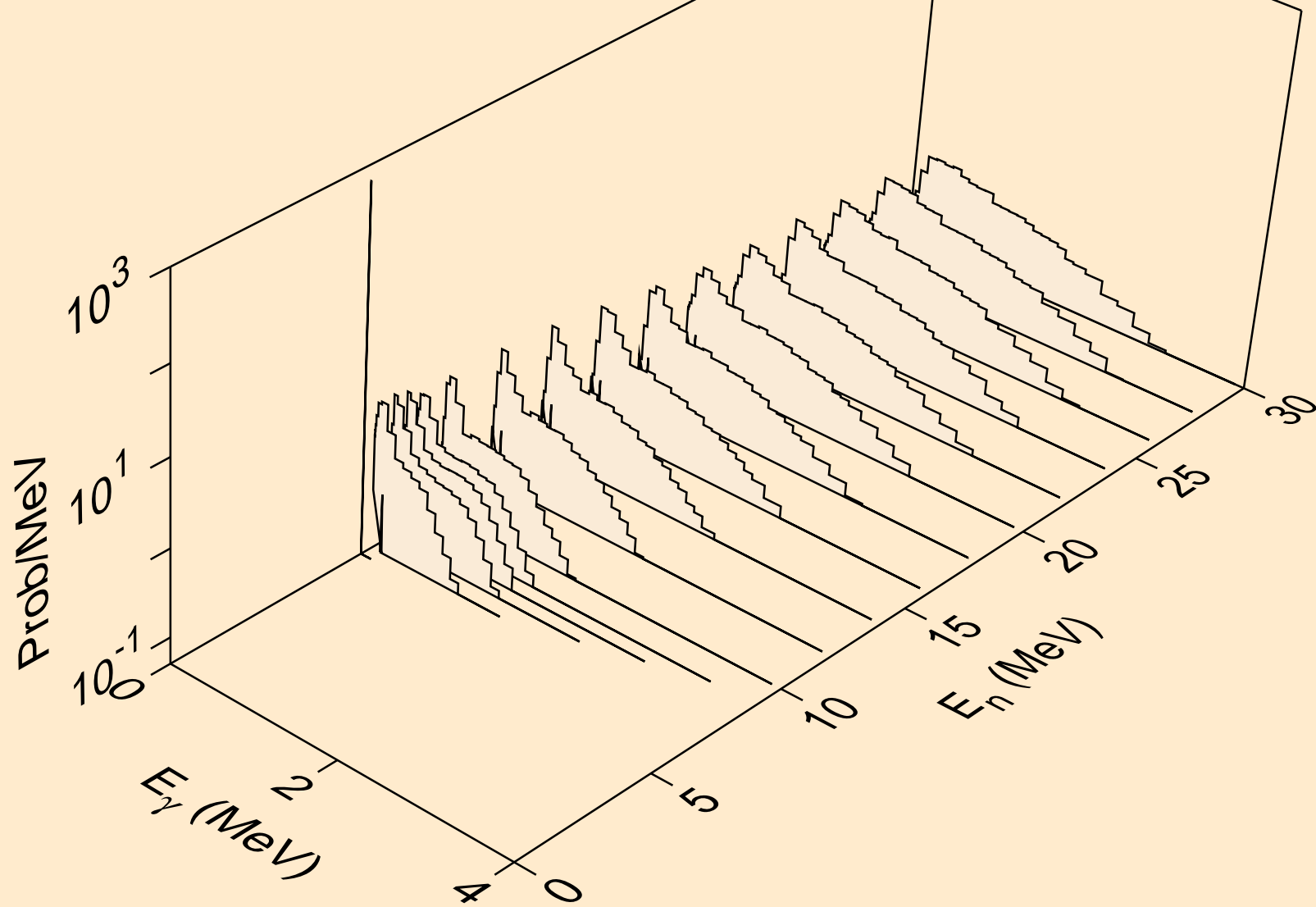




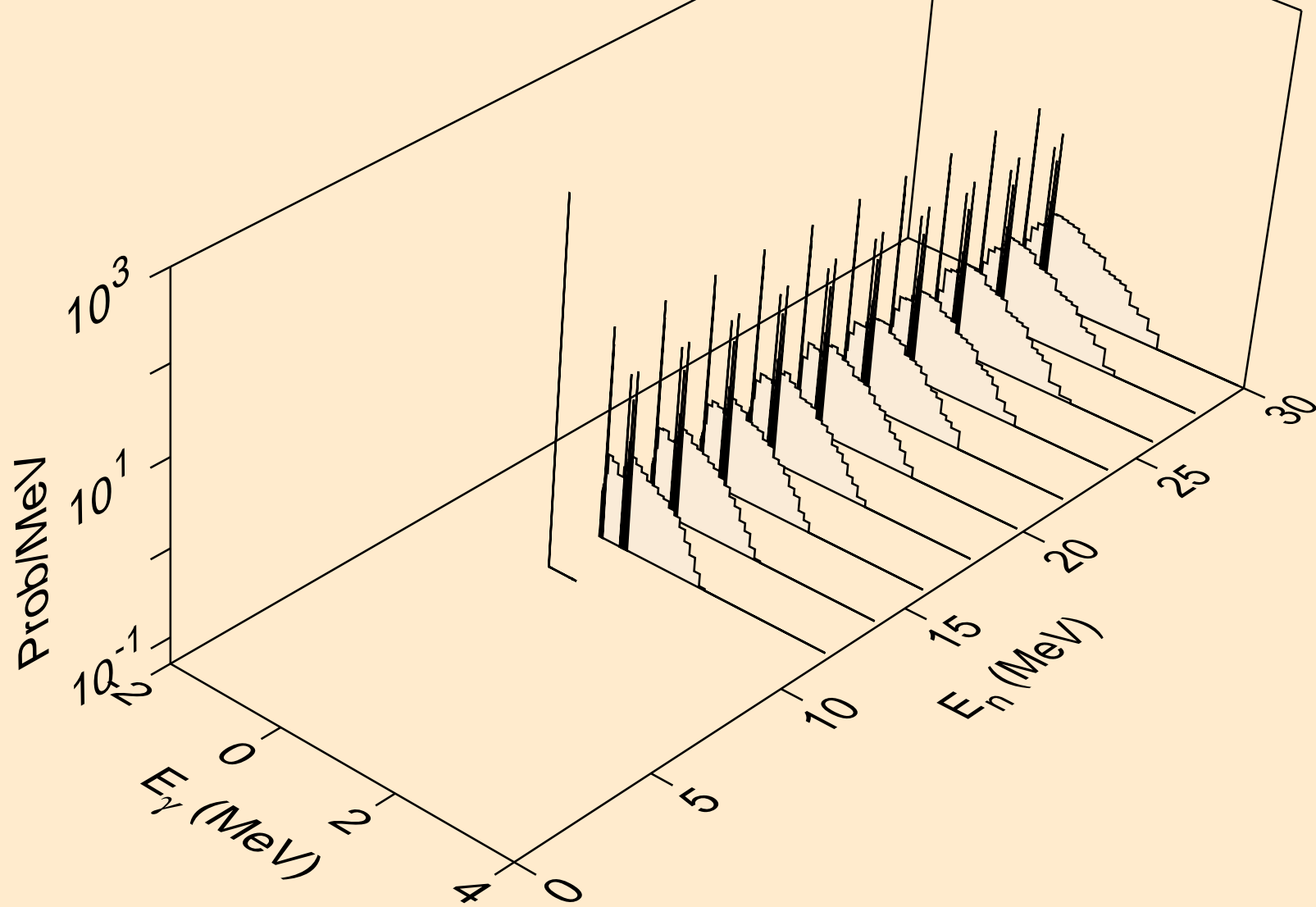
PU233 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,d)



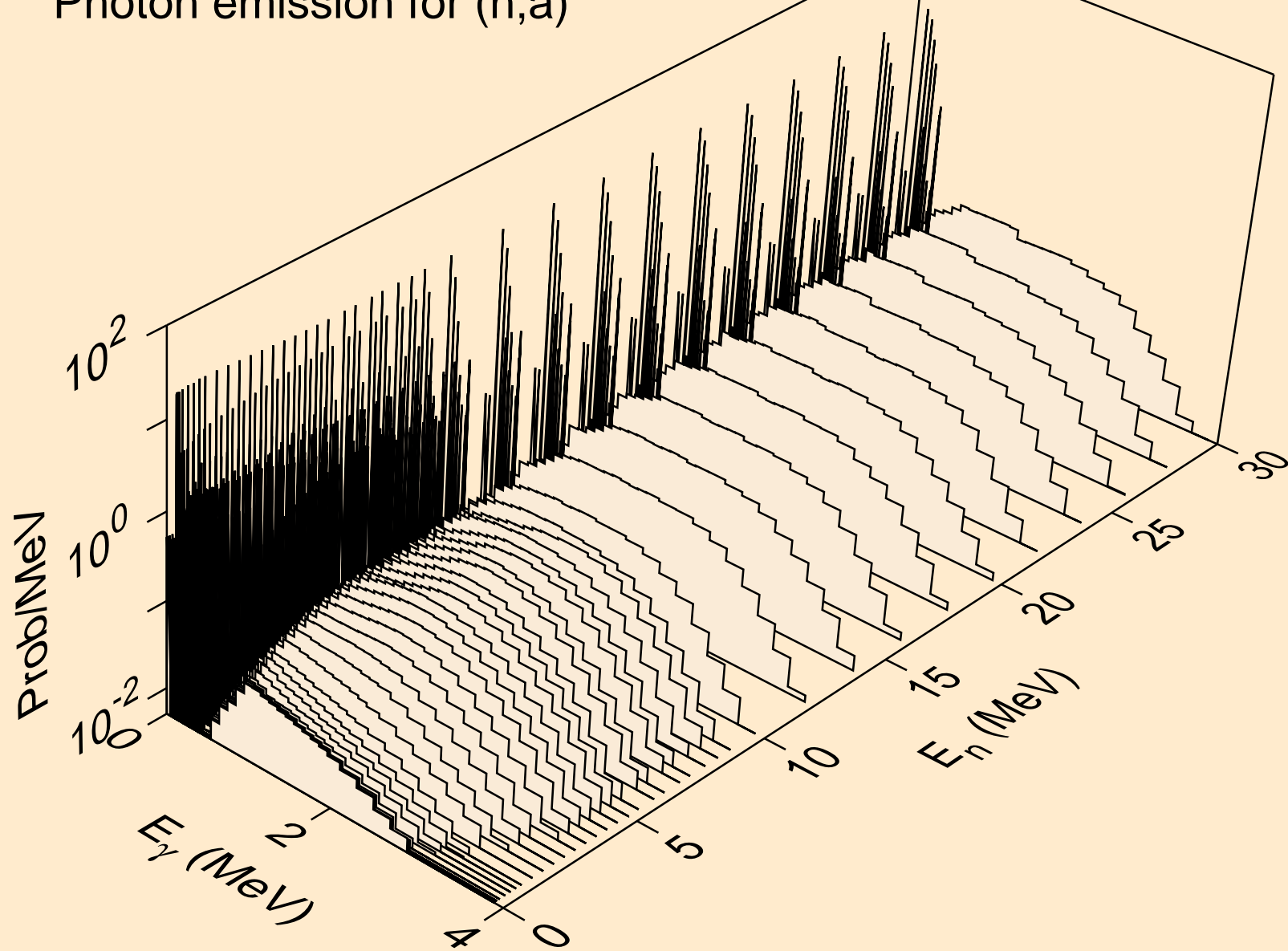
PU233 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,t)



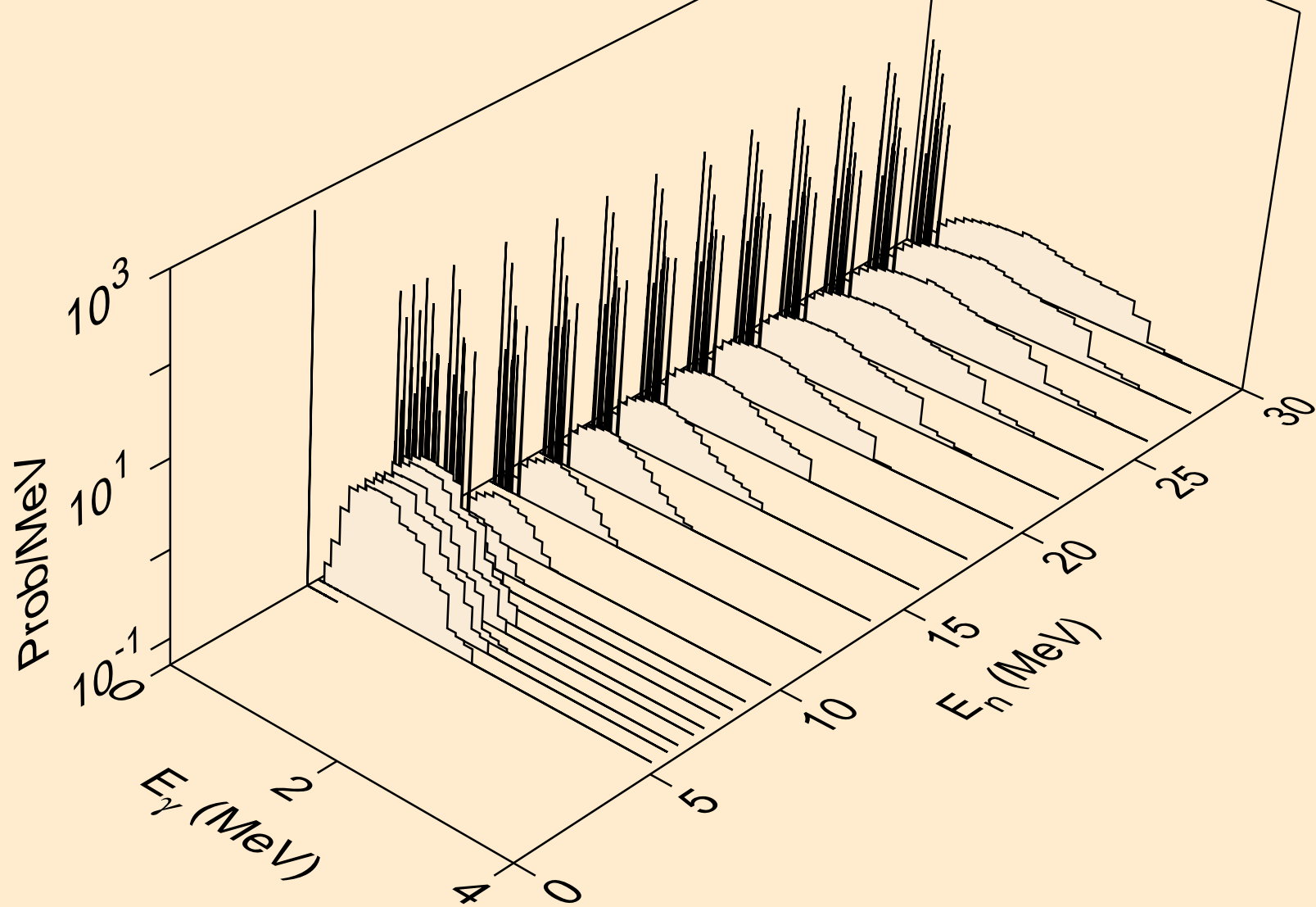
PU233 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,he3)



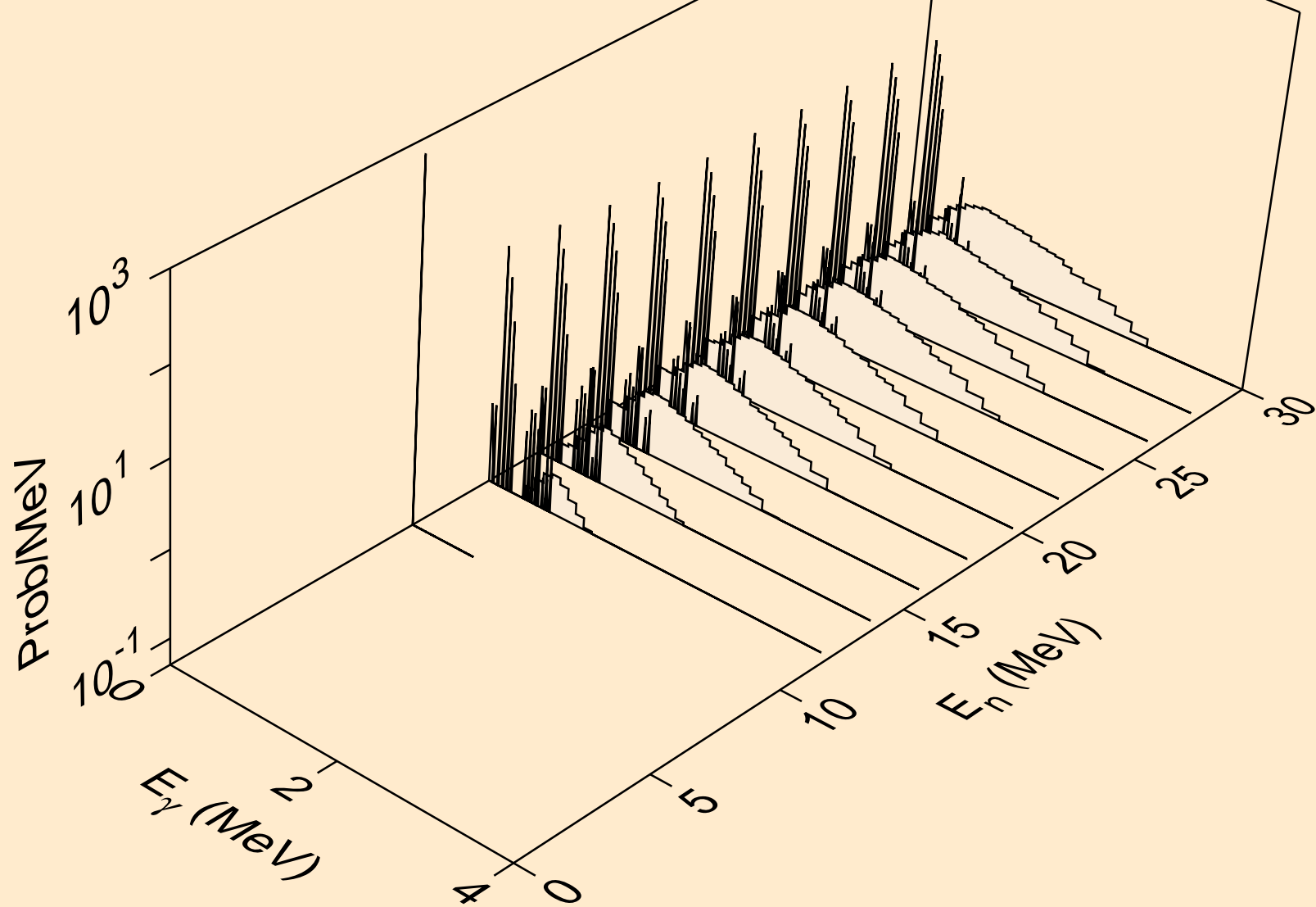
PU233 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,a)



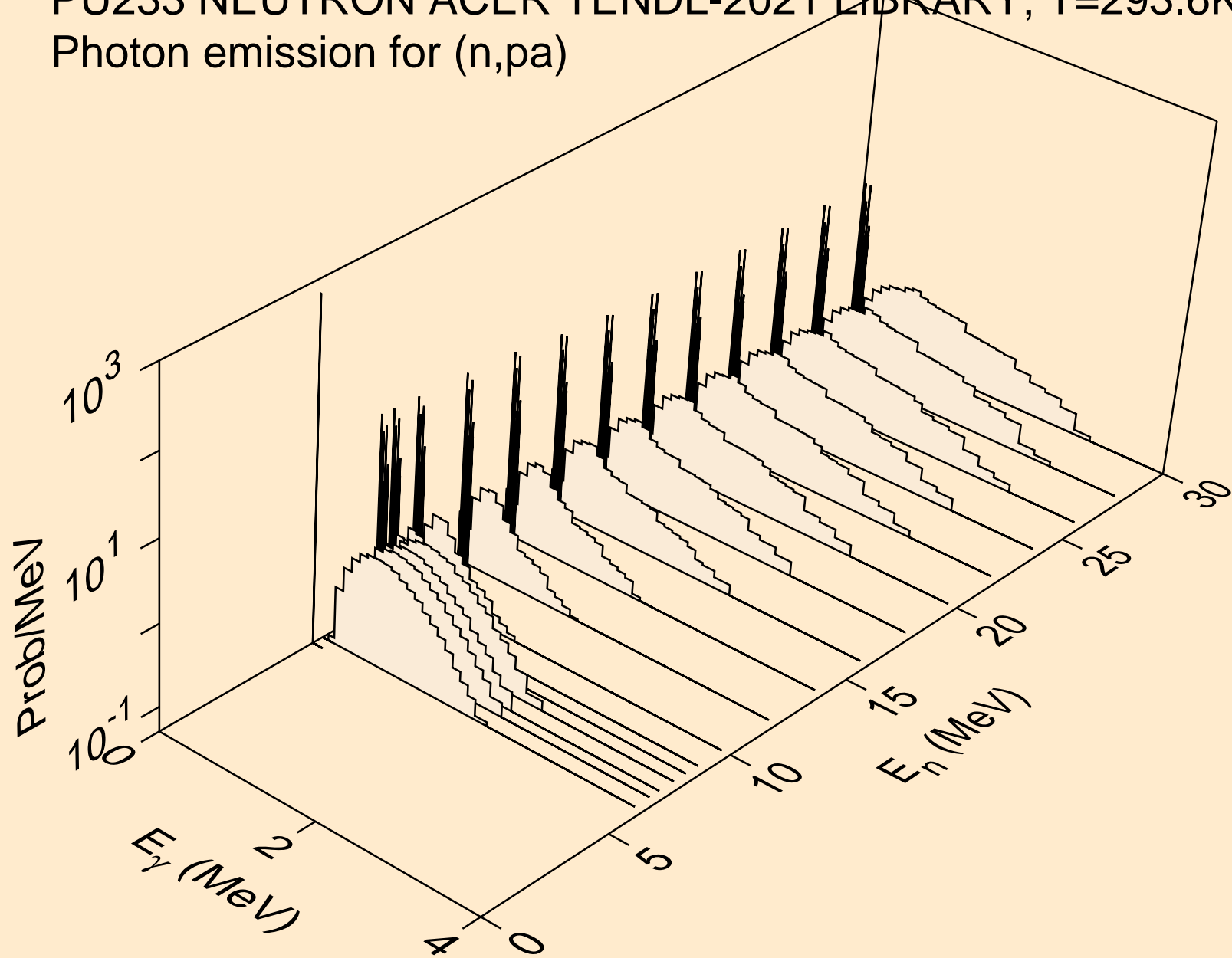
PU233 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2a)



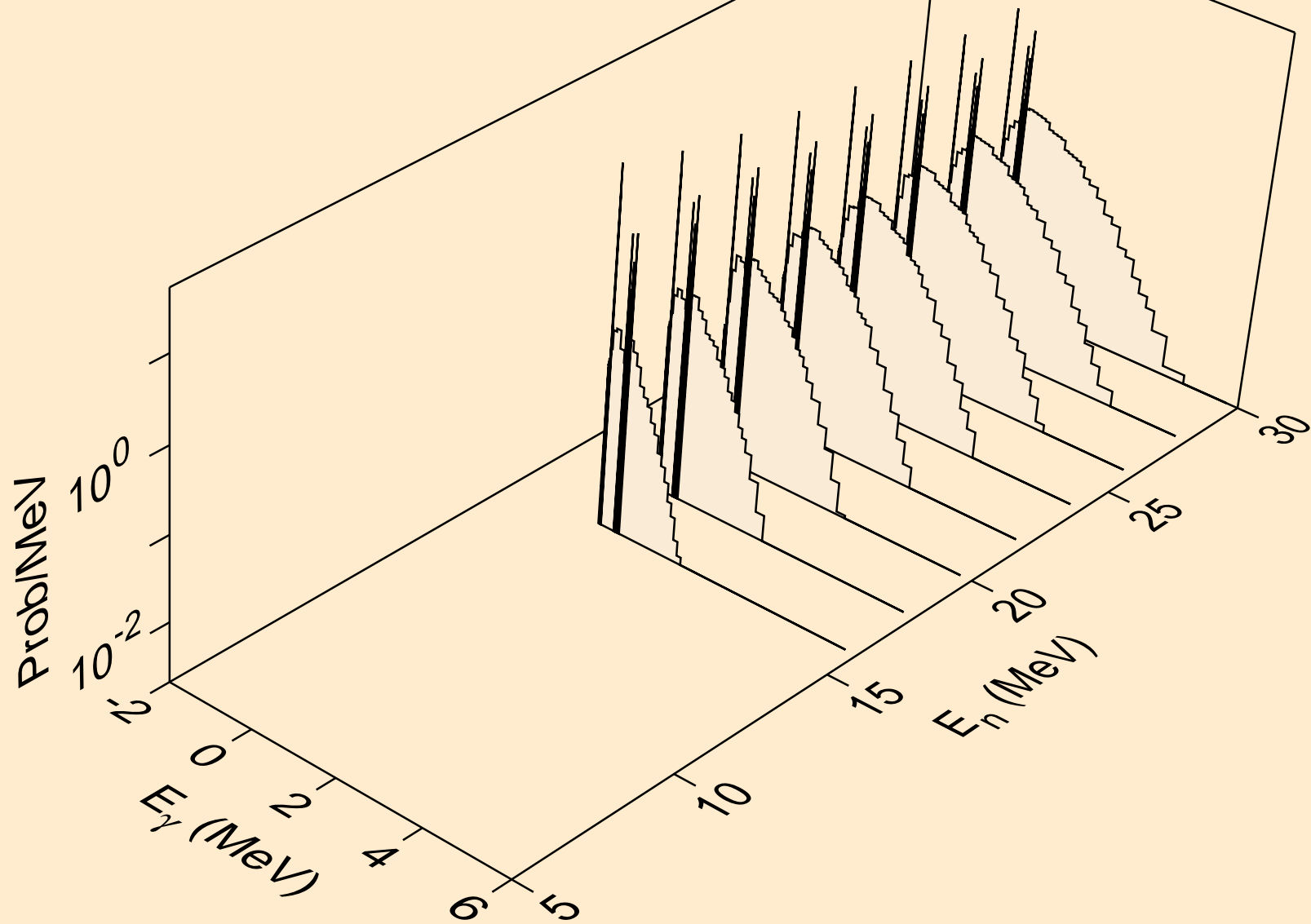
PU233 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2p)



PU233 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,p $\alpha$ )

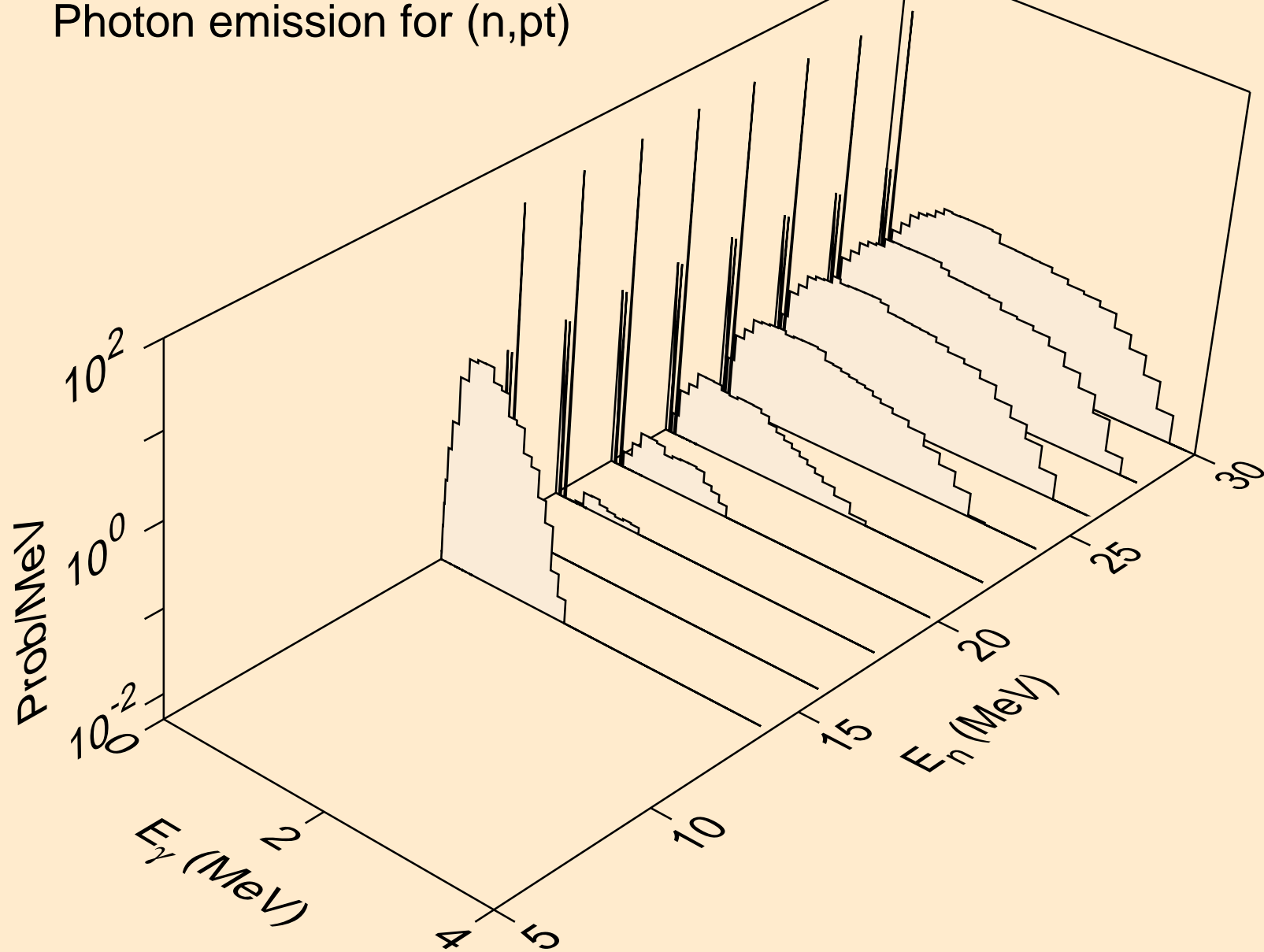


PU233 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,pd)

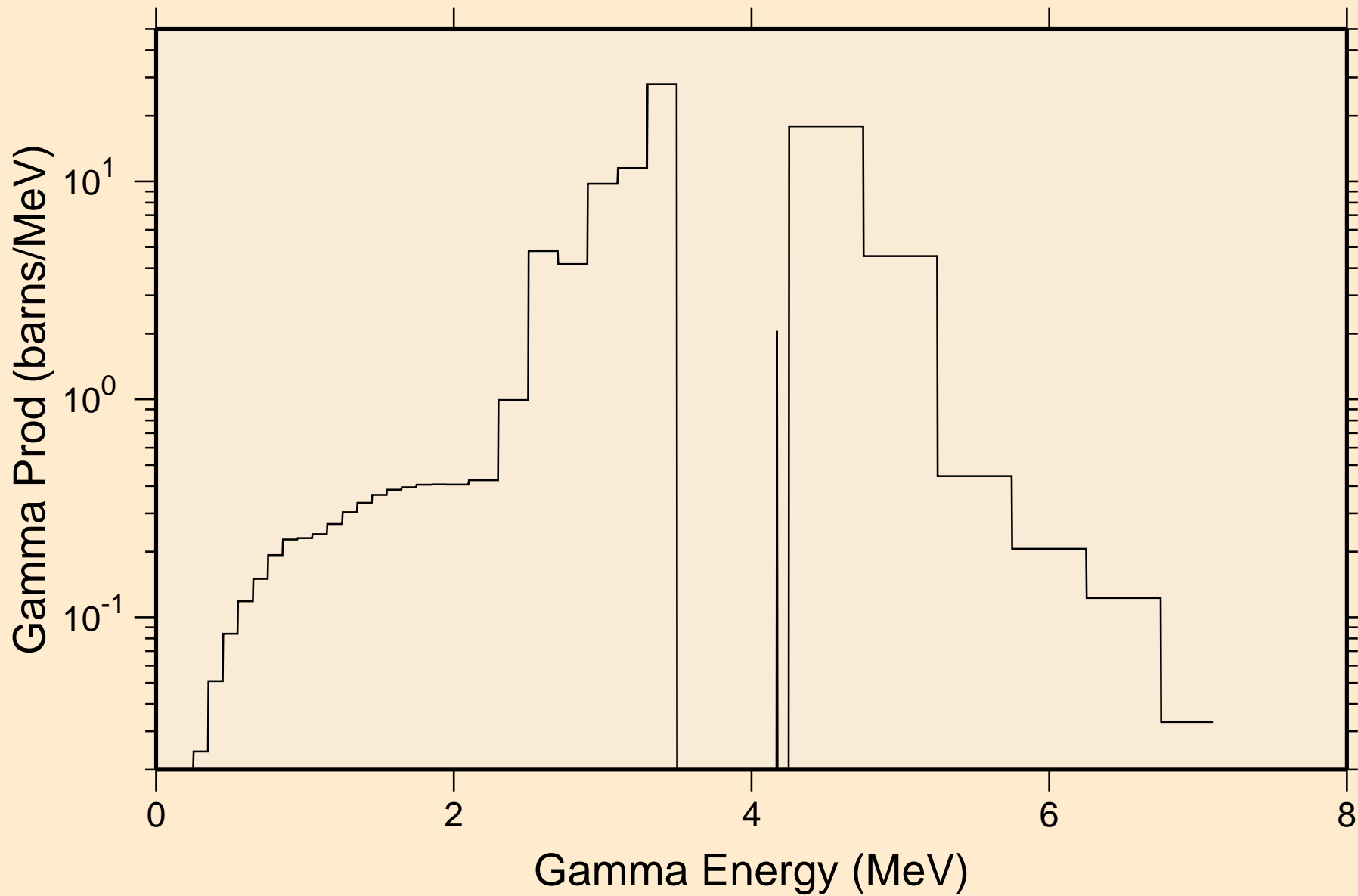




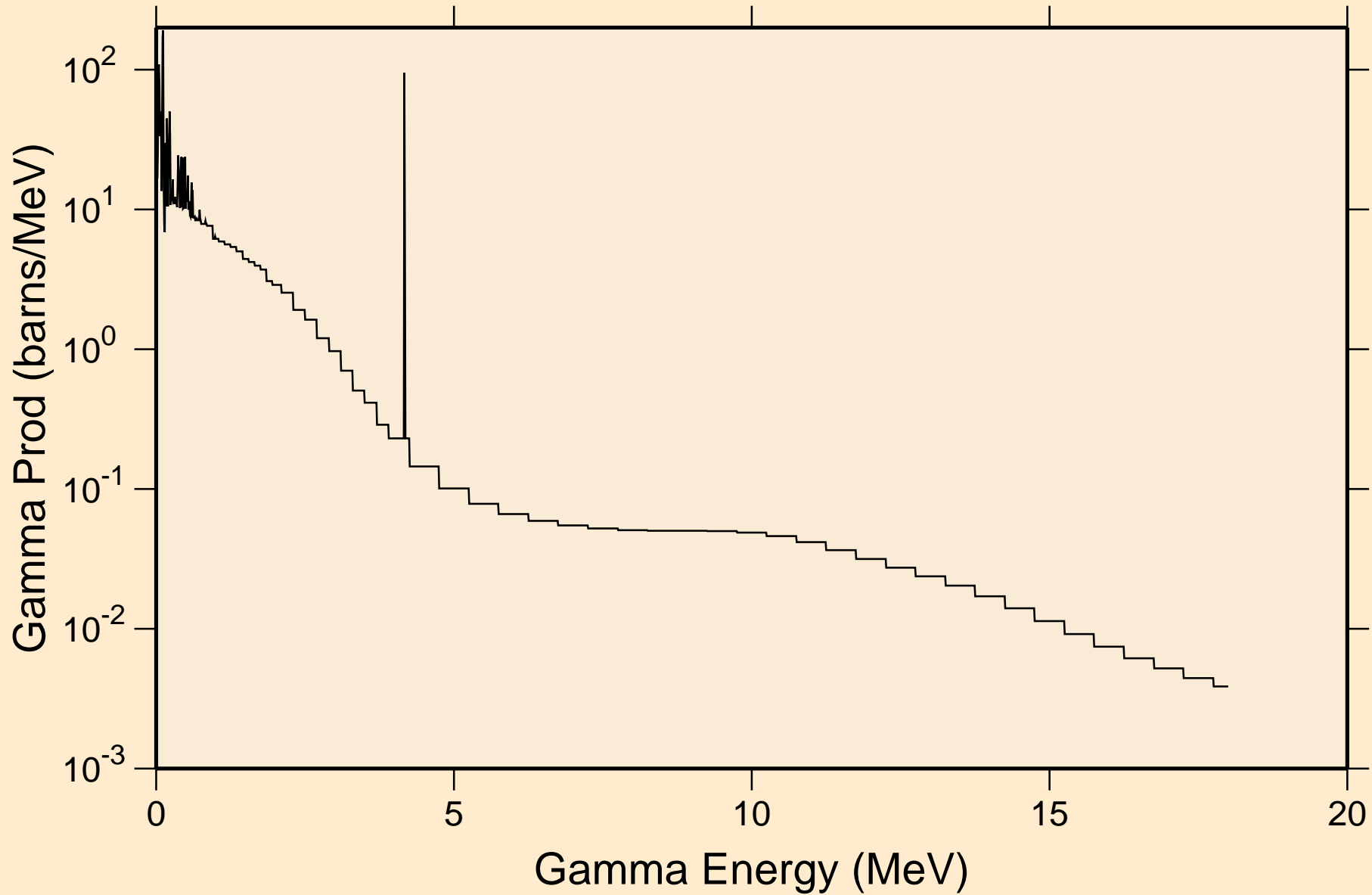
PU233 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,pt)



PU233 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
thermal capture photon spectrum

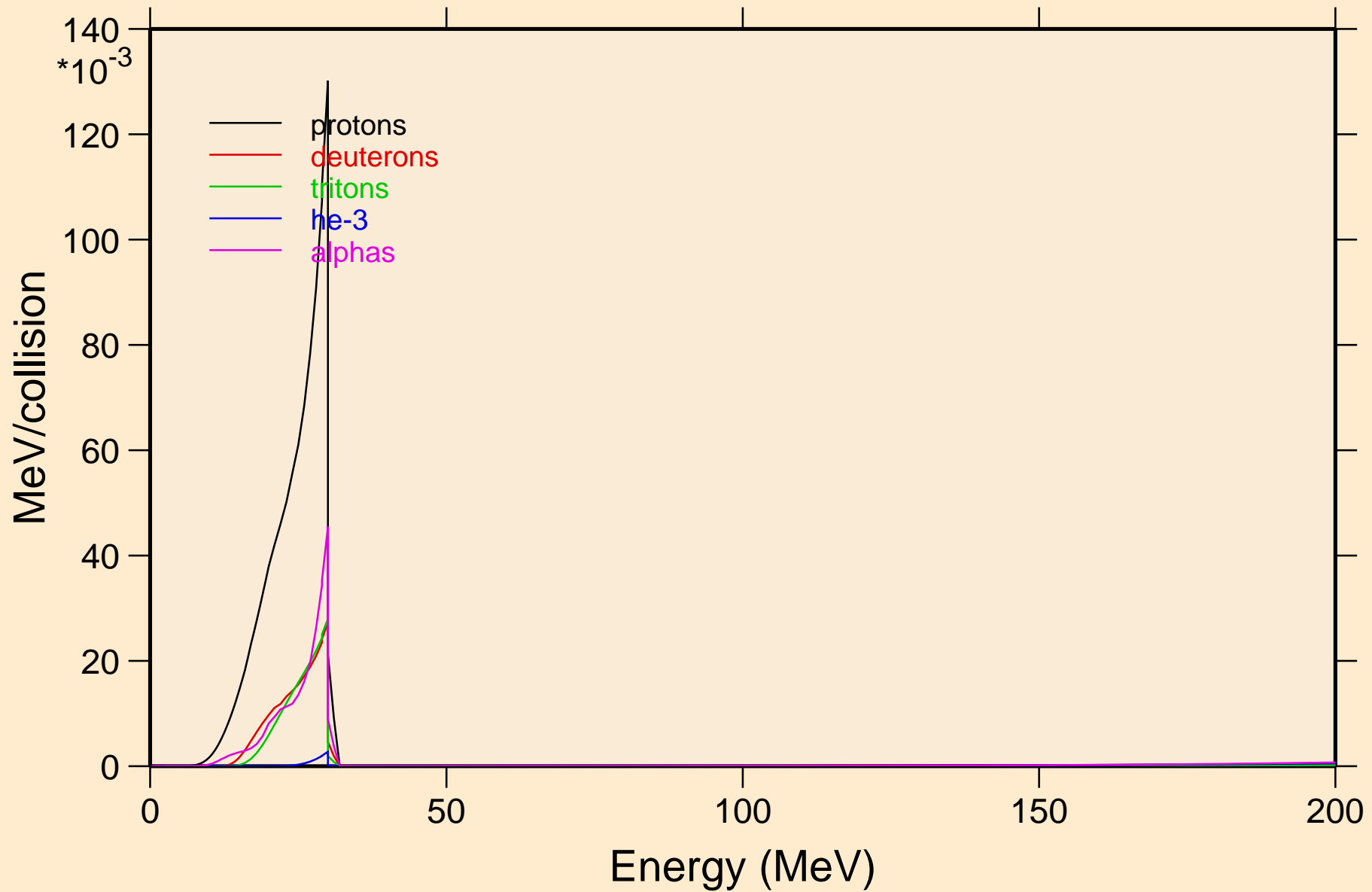


PU233 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
14 MeV photon spectrum

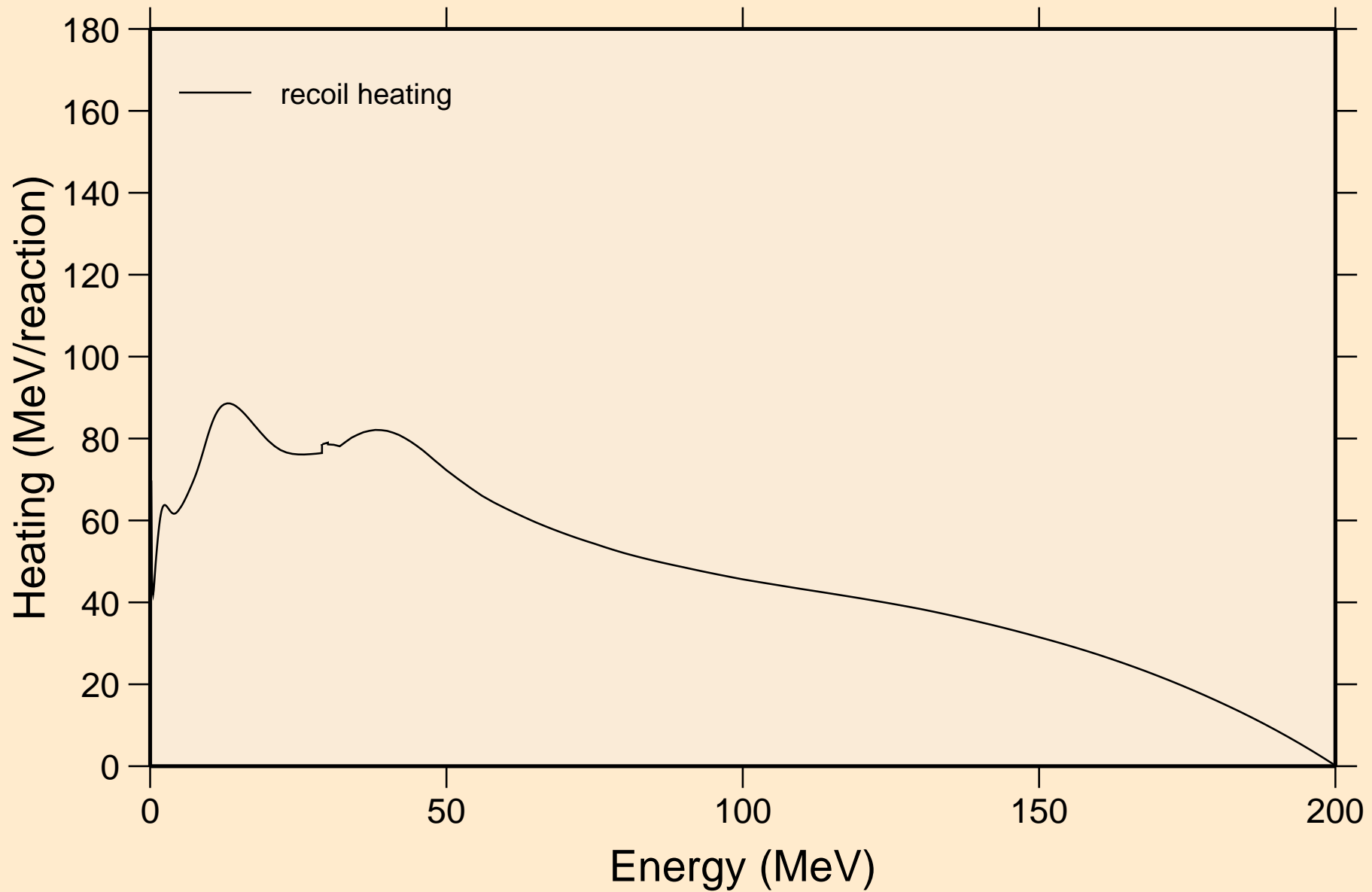


# PU233 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

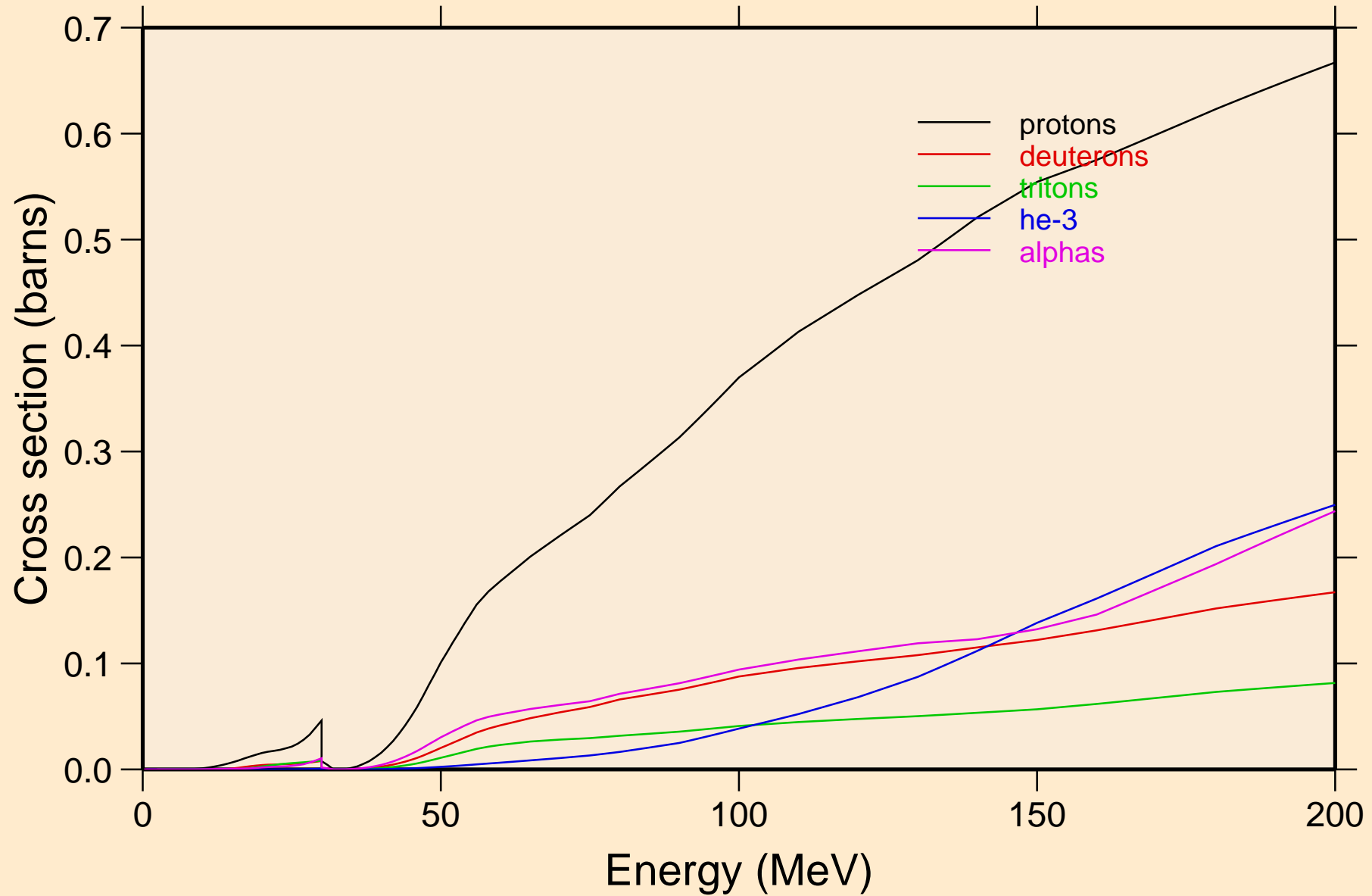
## Particle heating contributions



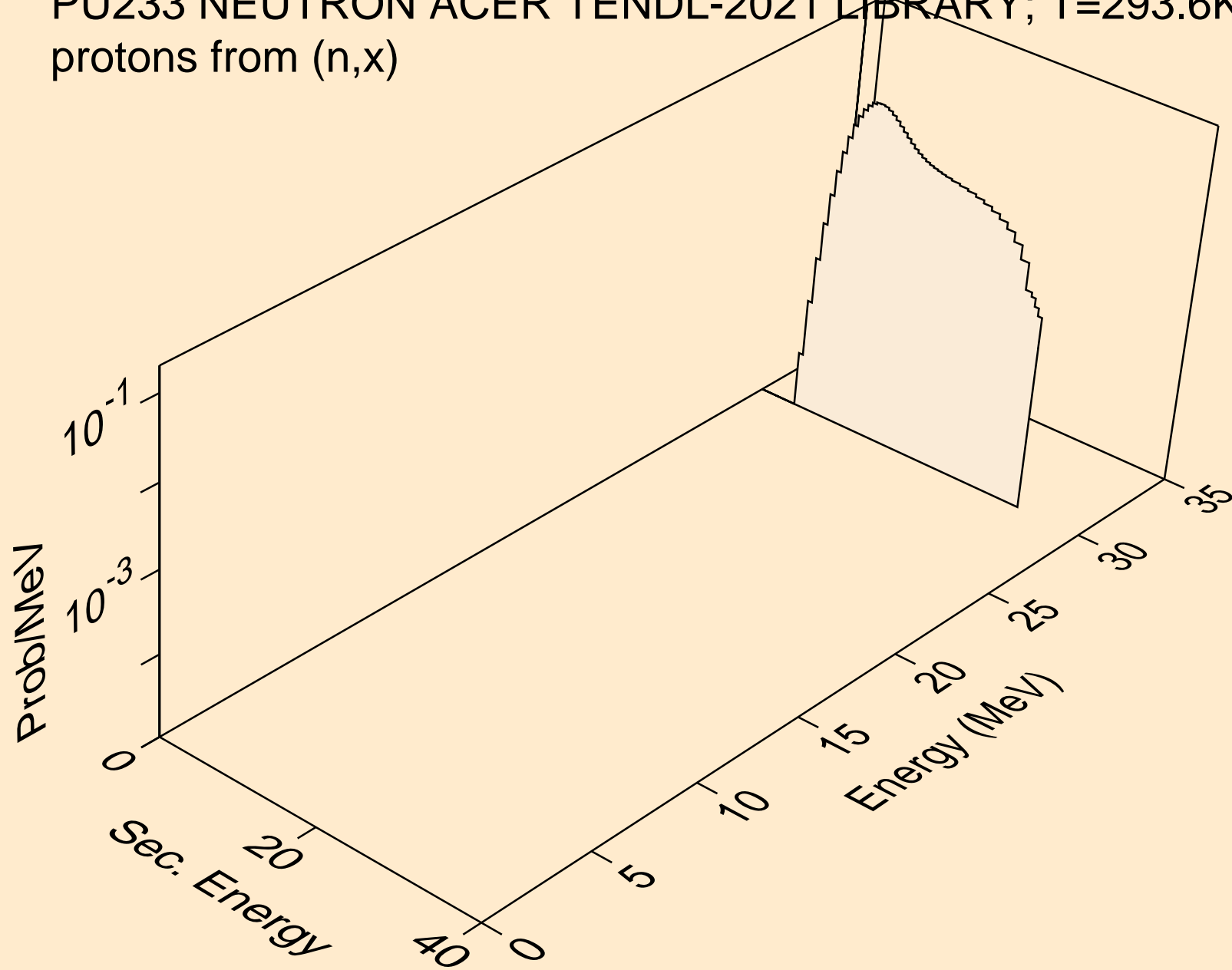
PU233 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Recoil Heating



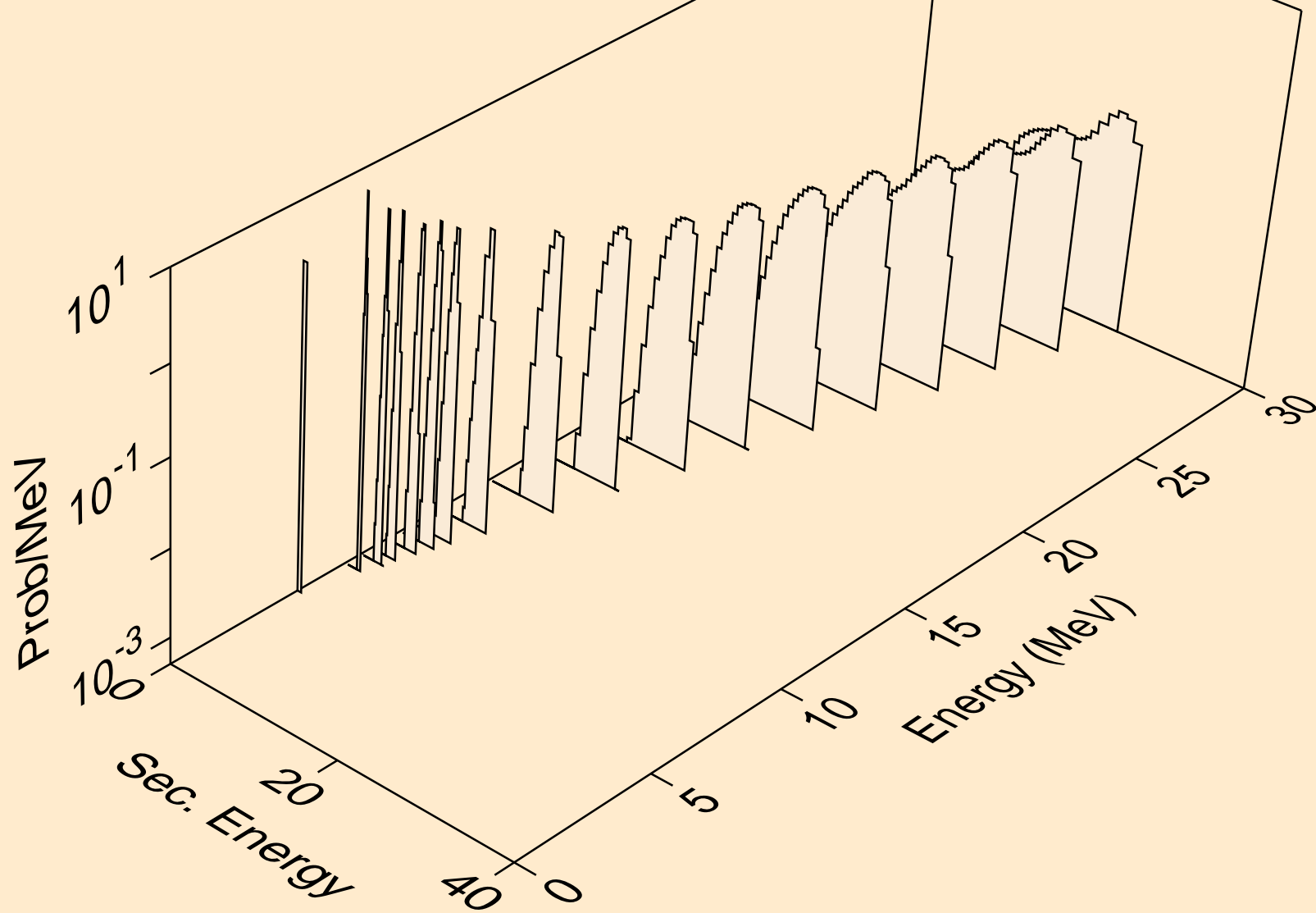
PU233 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Particle production cross sections



PU233 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,x)

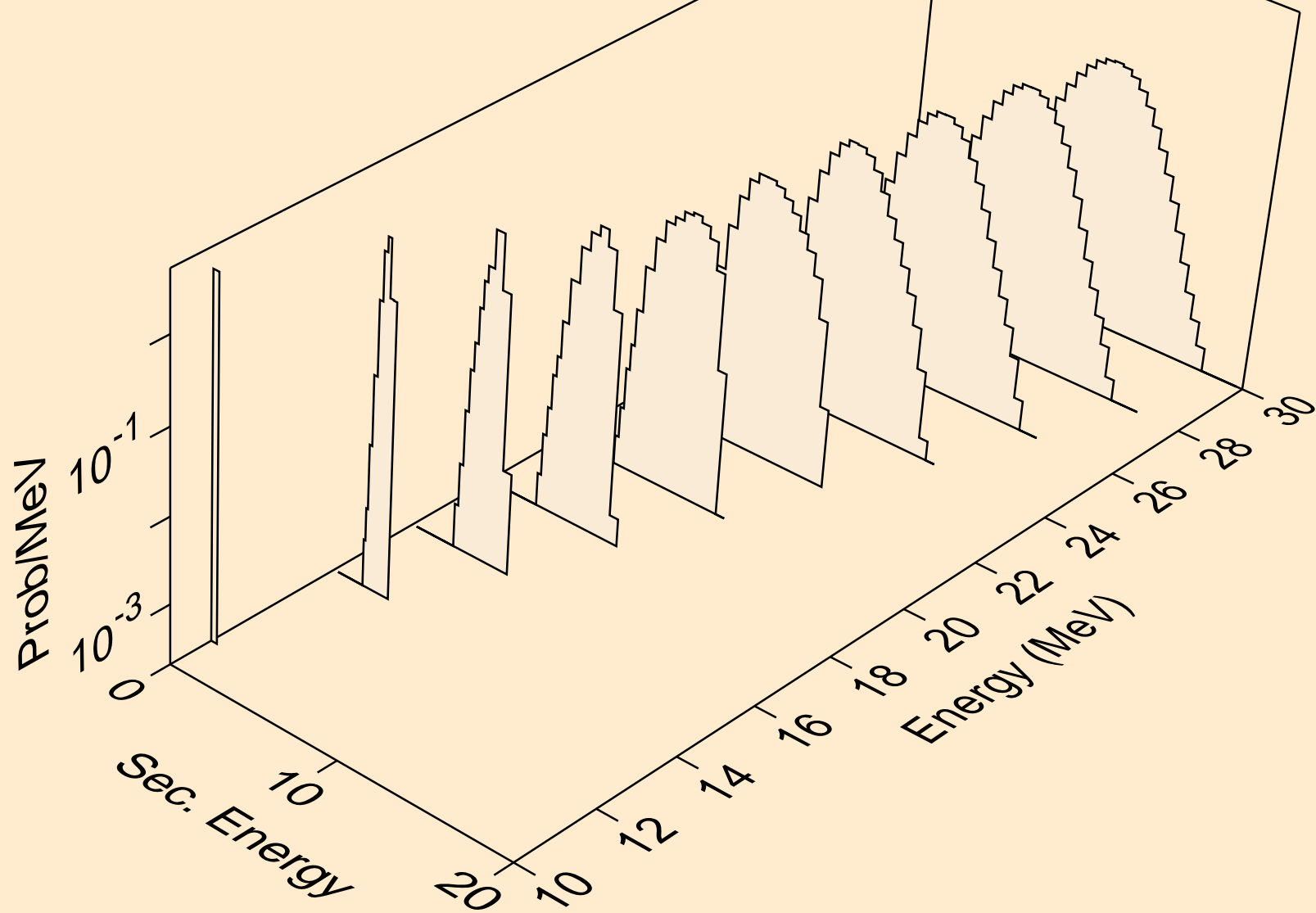


PU233 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,n\*)p

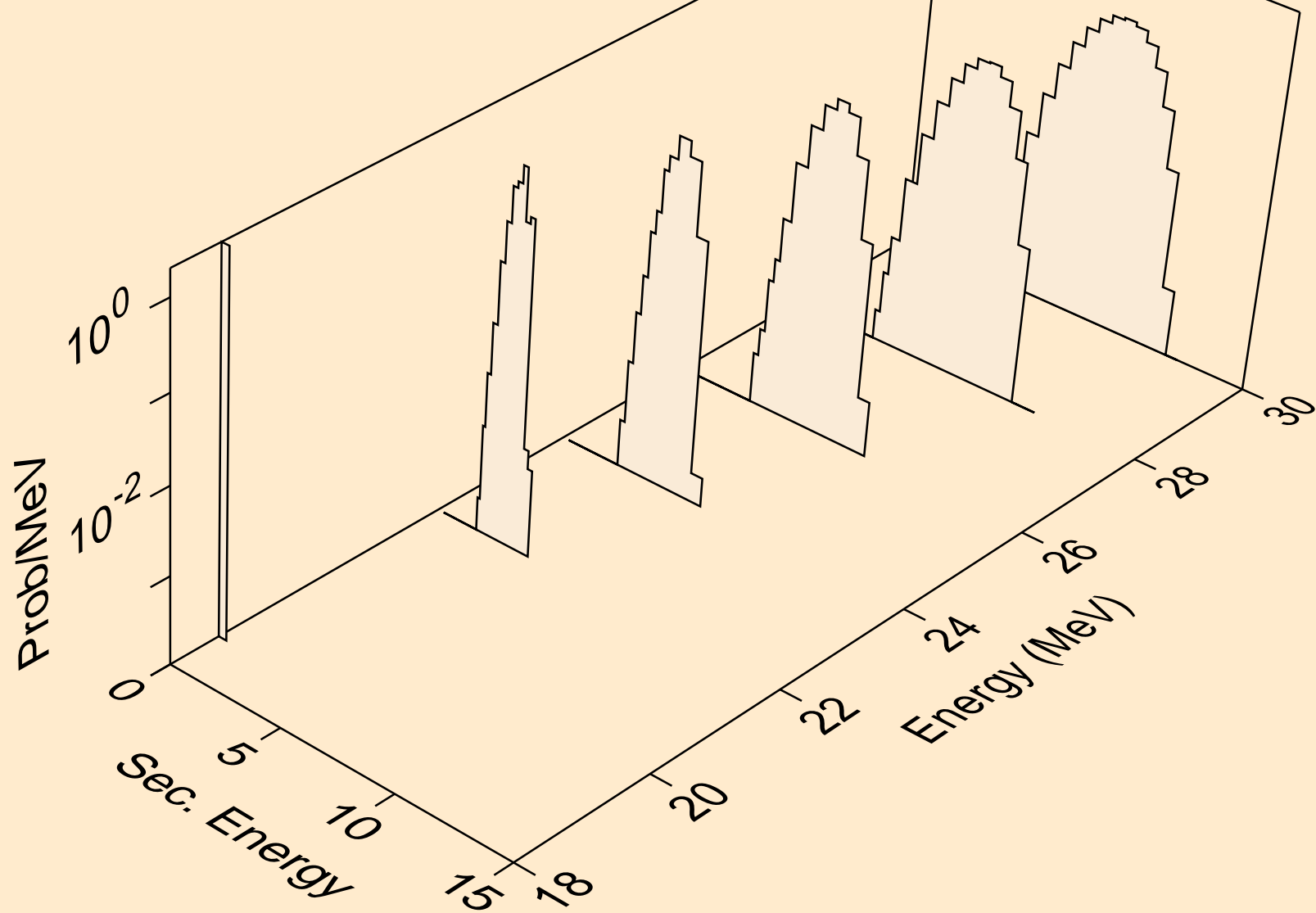




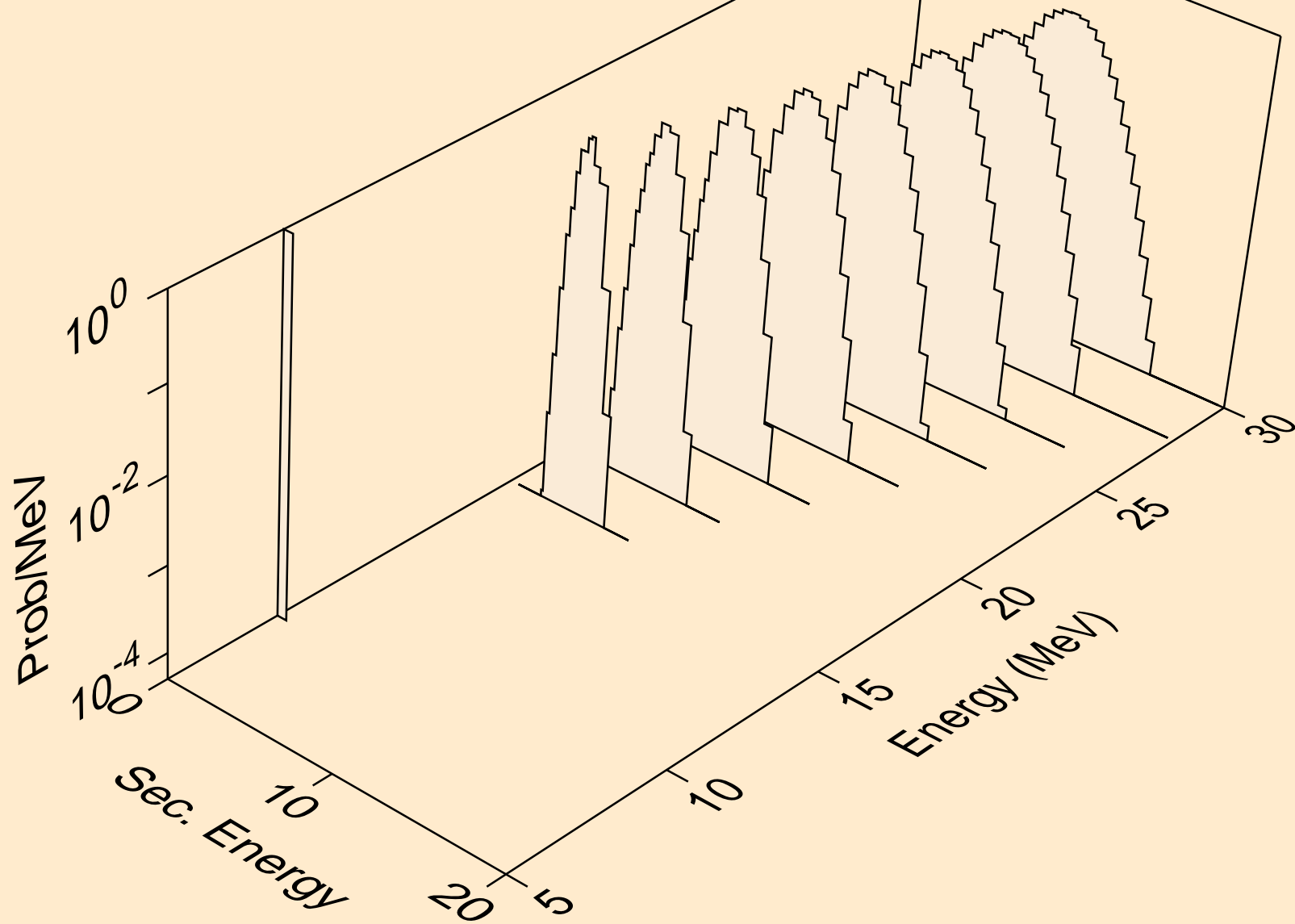
PU233 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,2np)



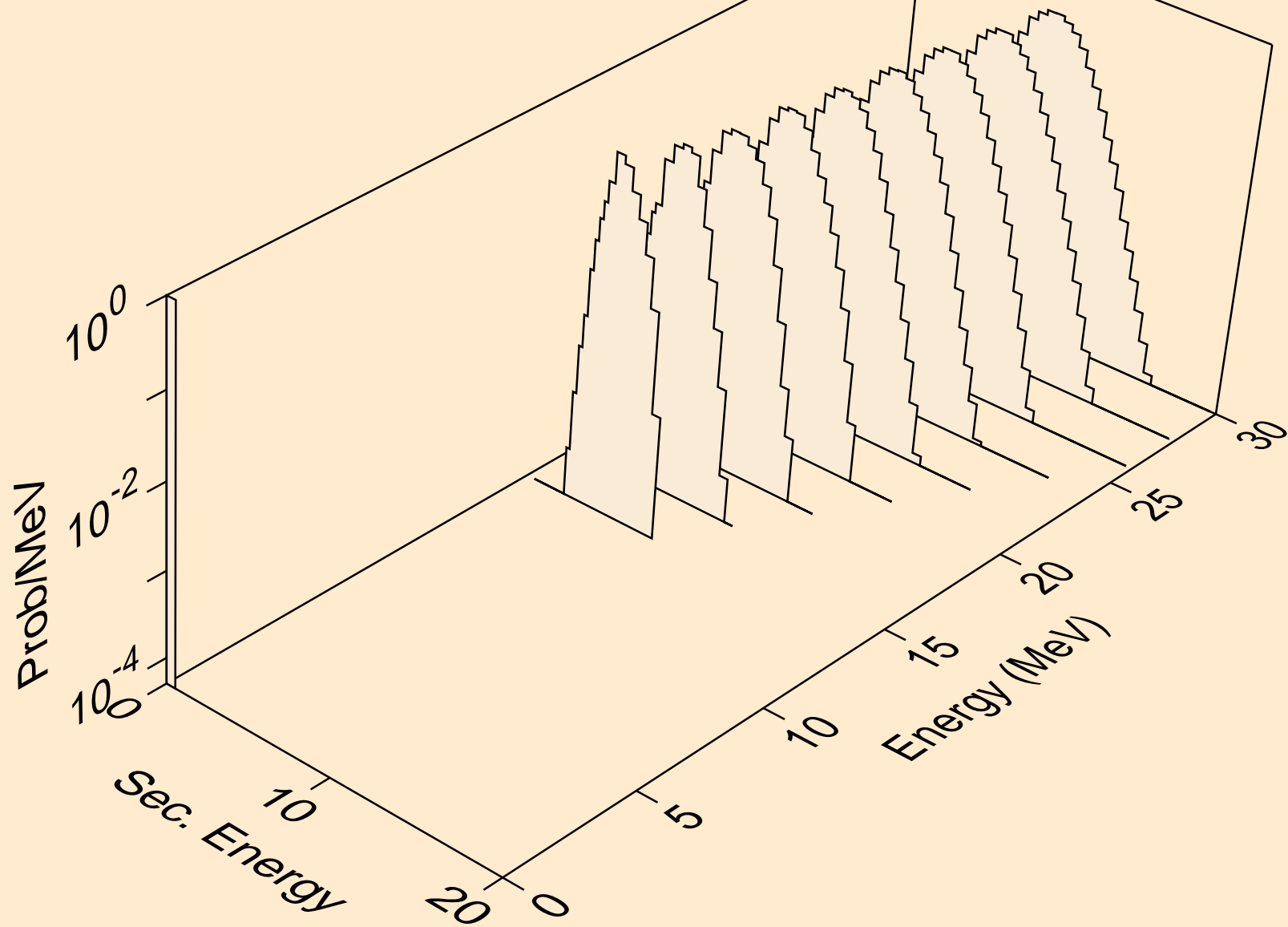
PU233 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,3np)



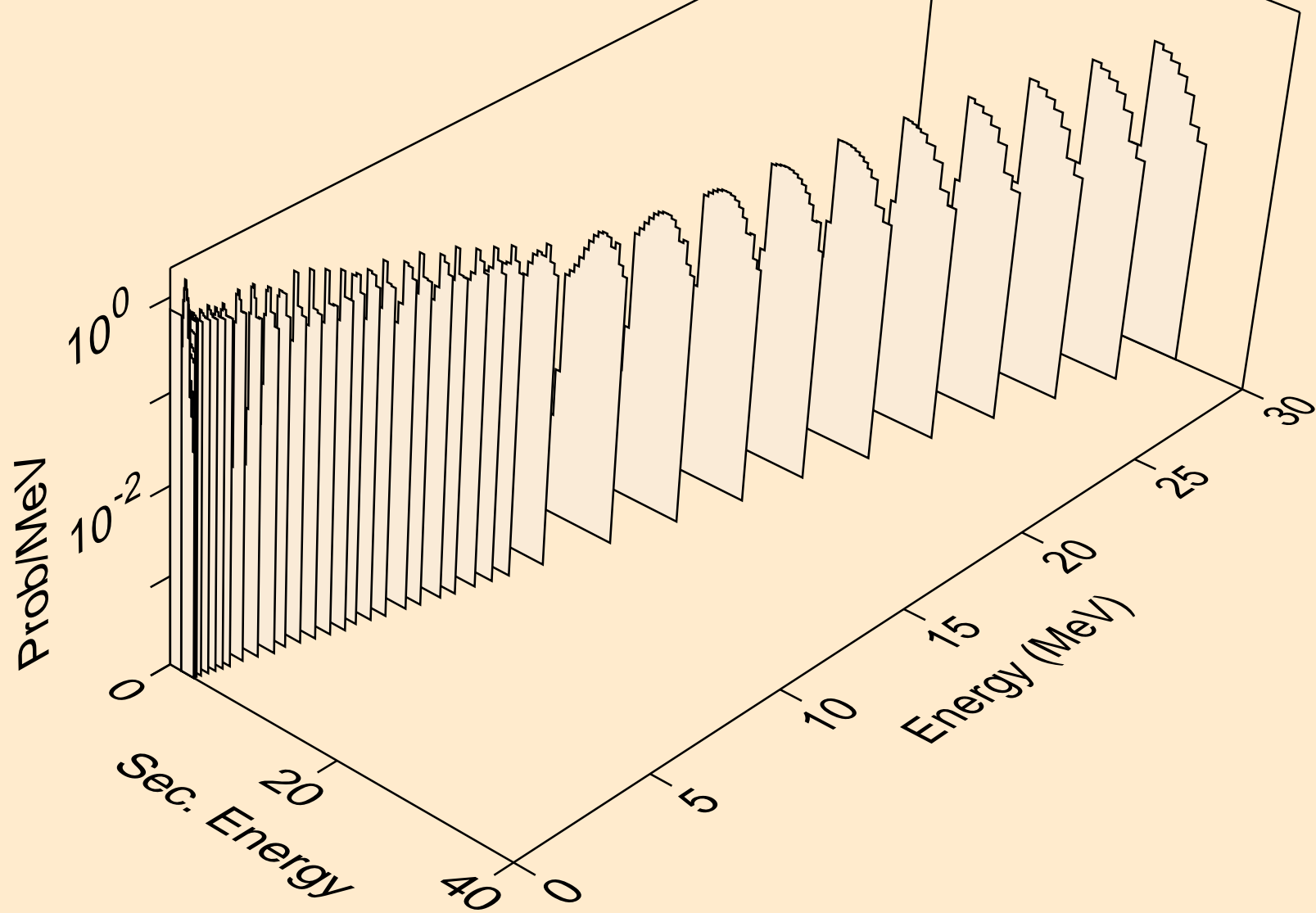
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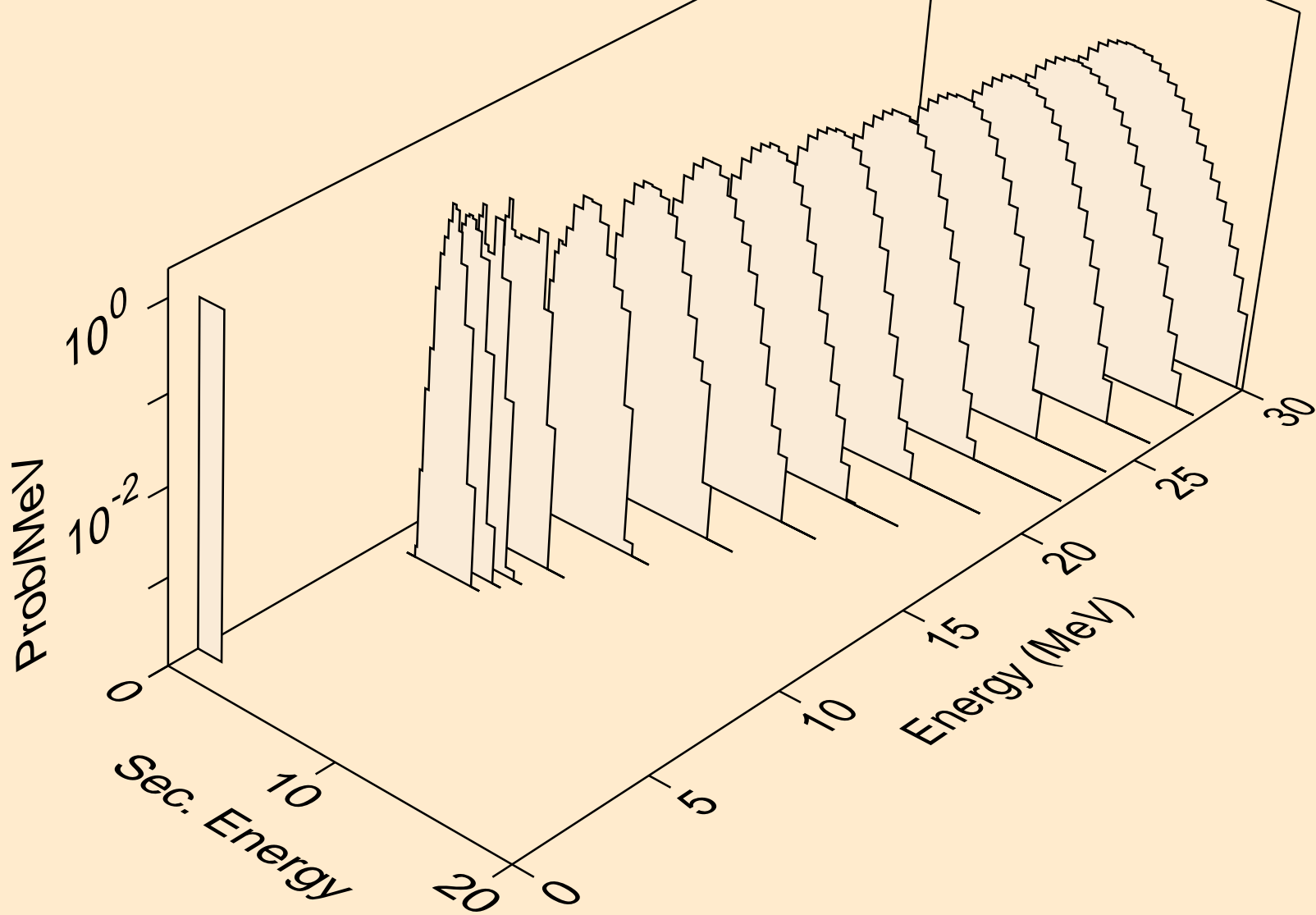
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protons from (n,npa)



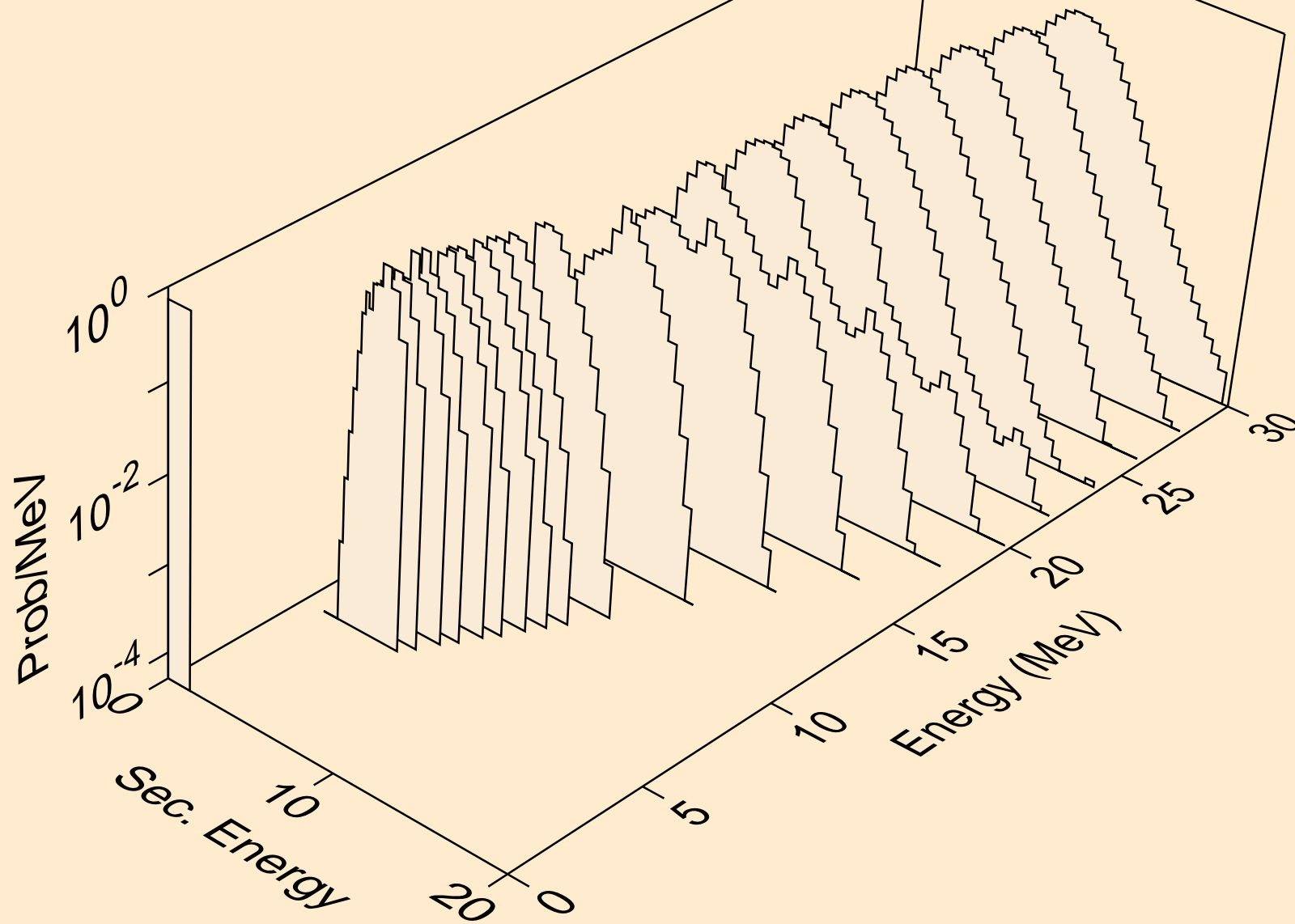
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protons from (n,p)



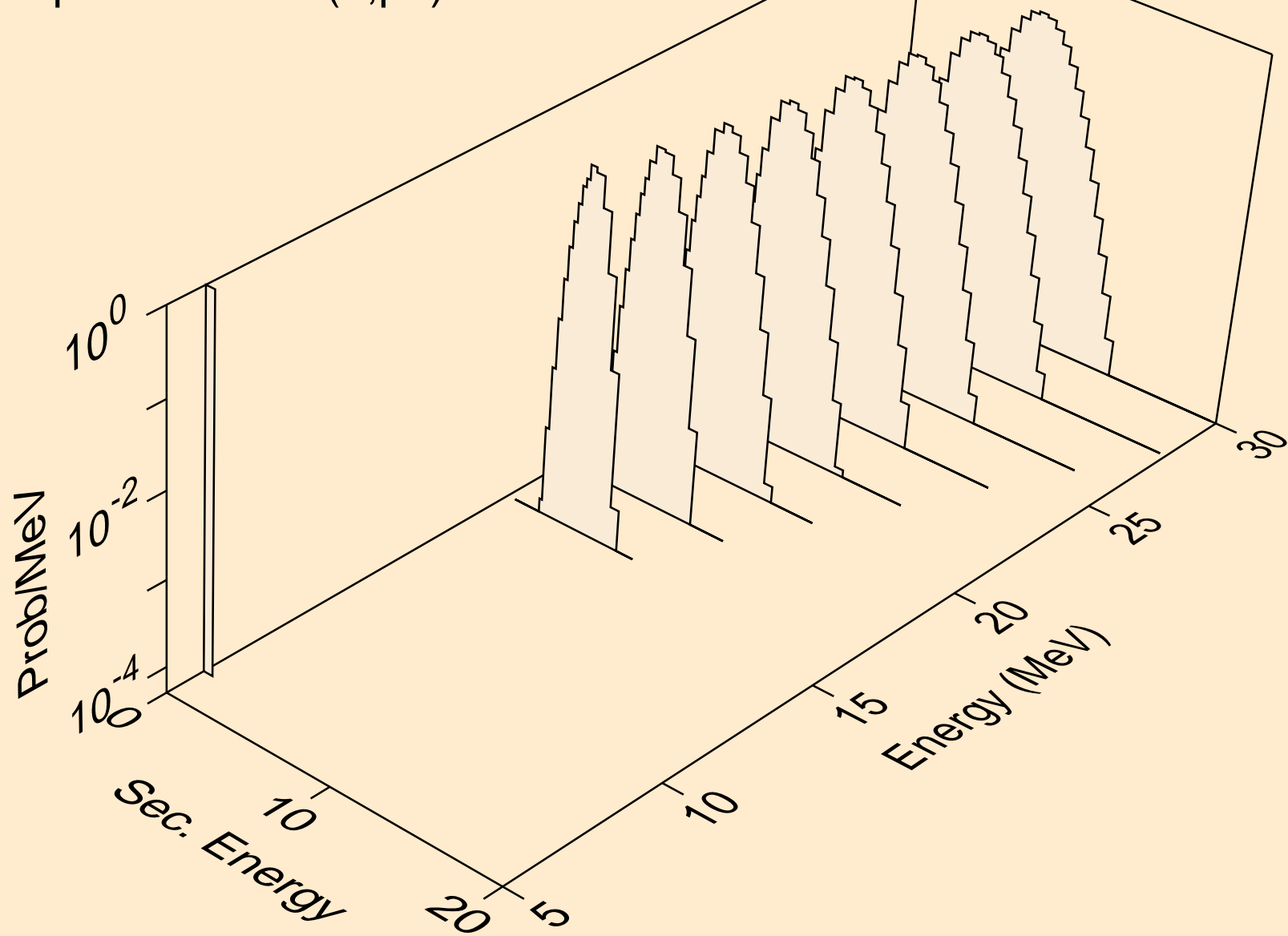
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protons from (n,2p)



PU233 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,p)

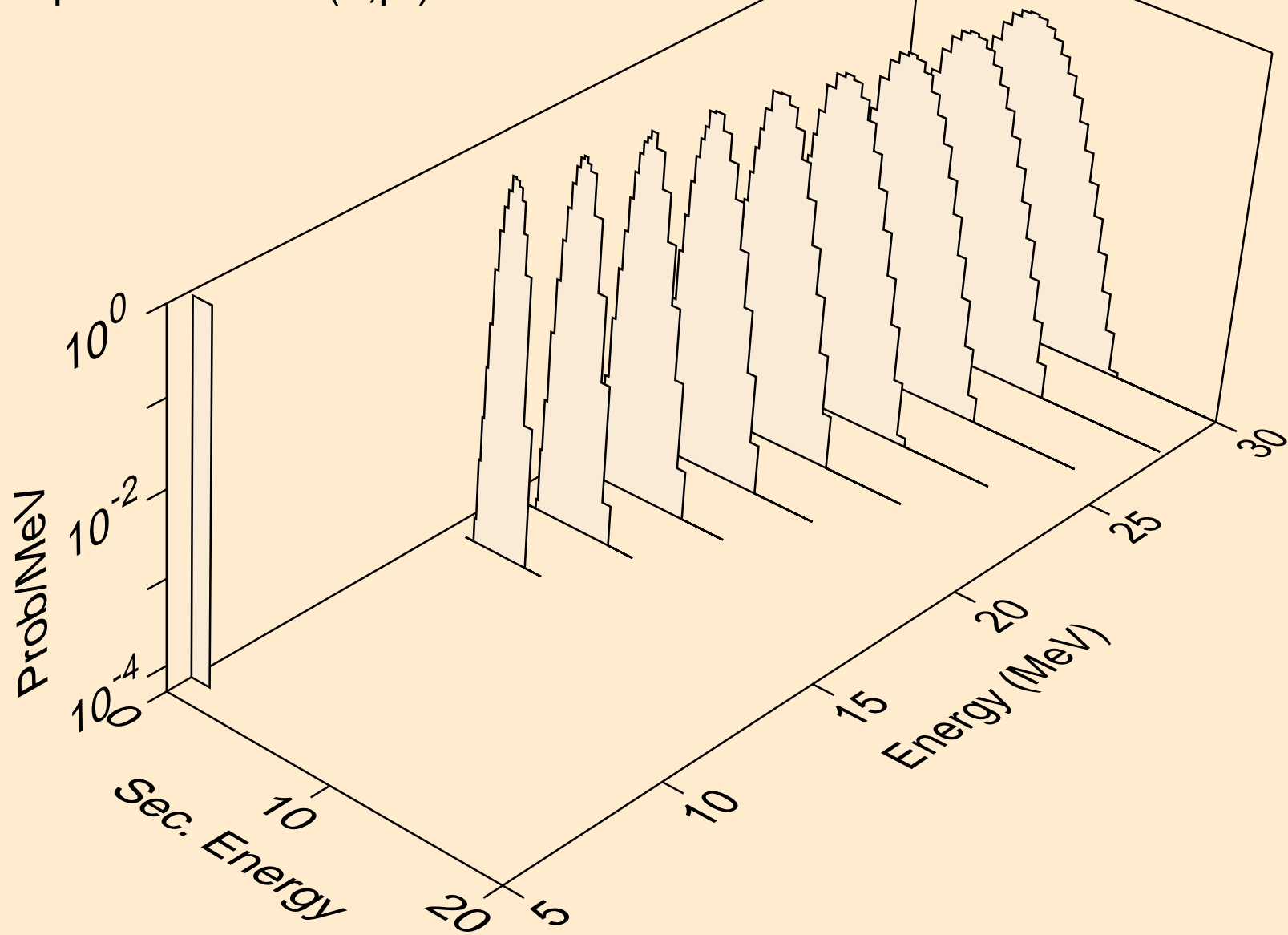


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protons from (n,pd)

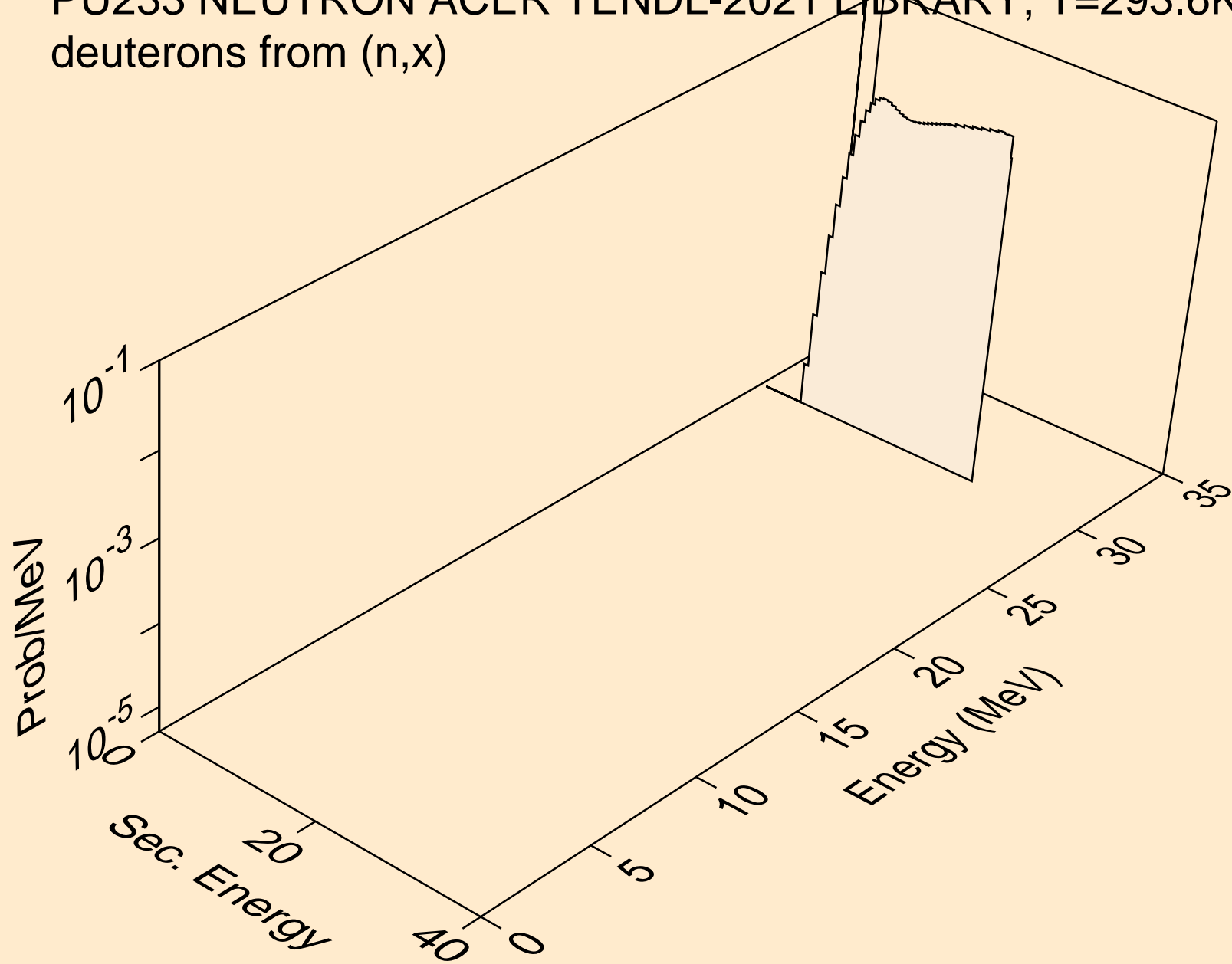




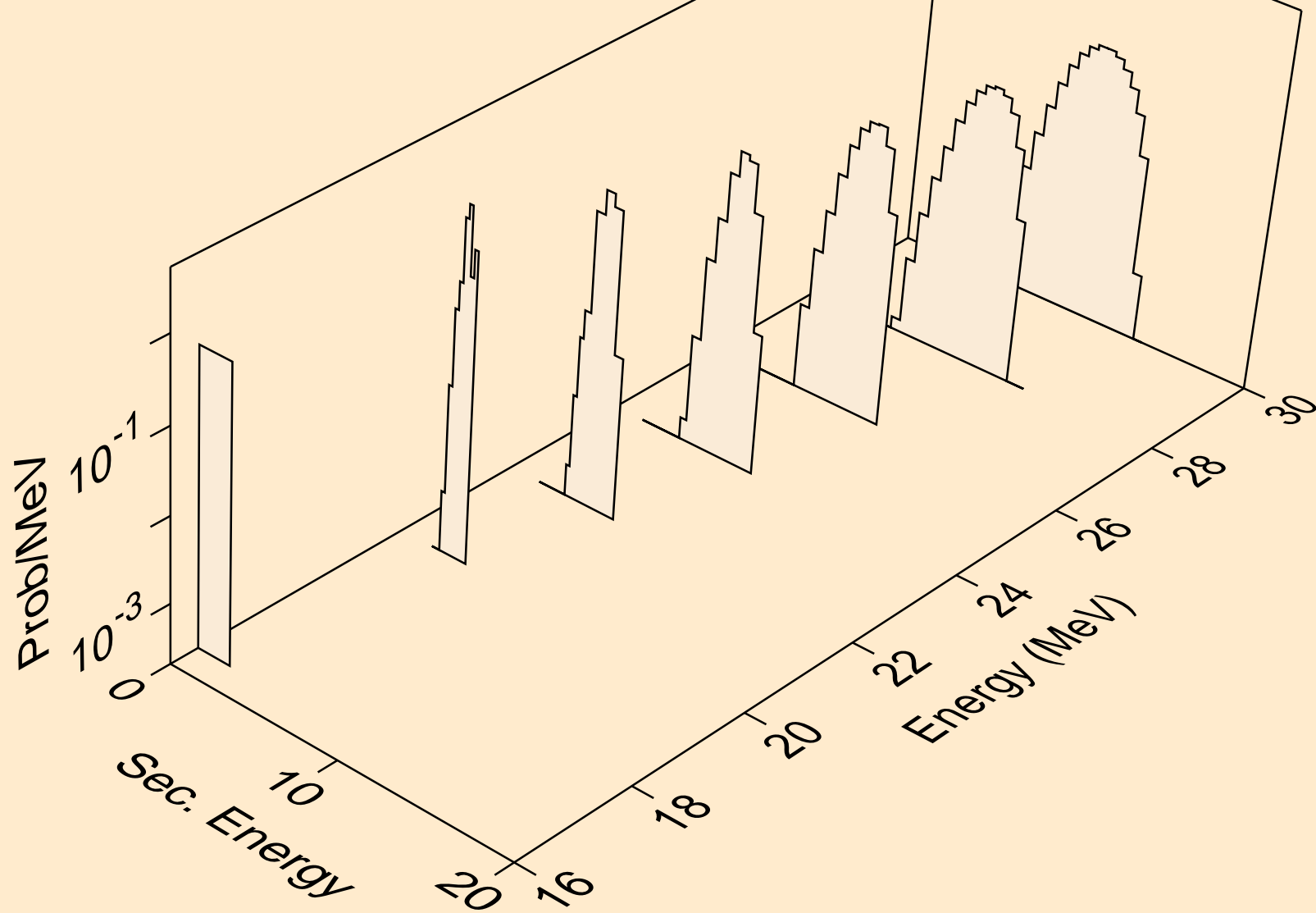
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protons from (n,pt)



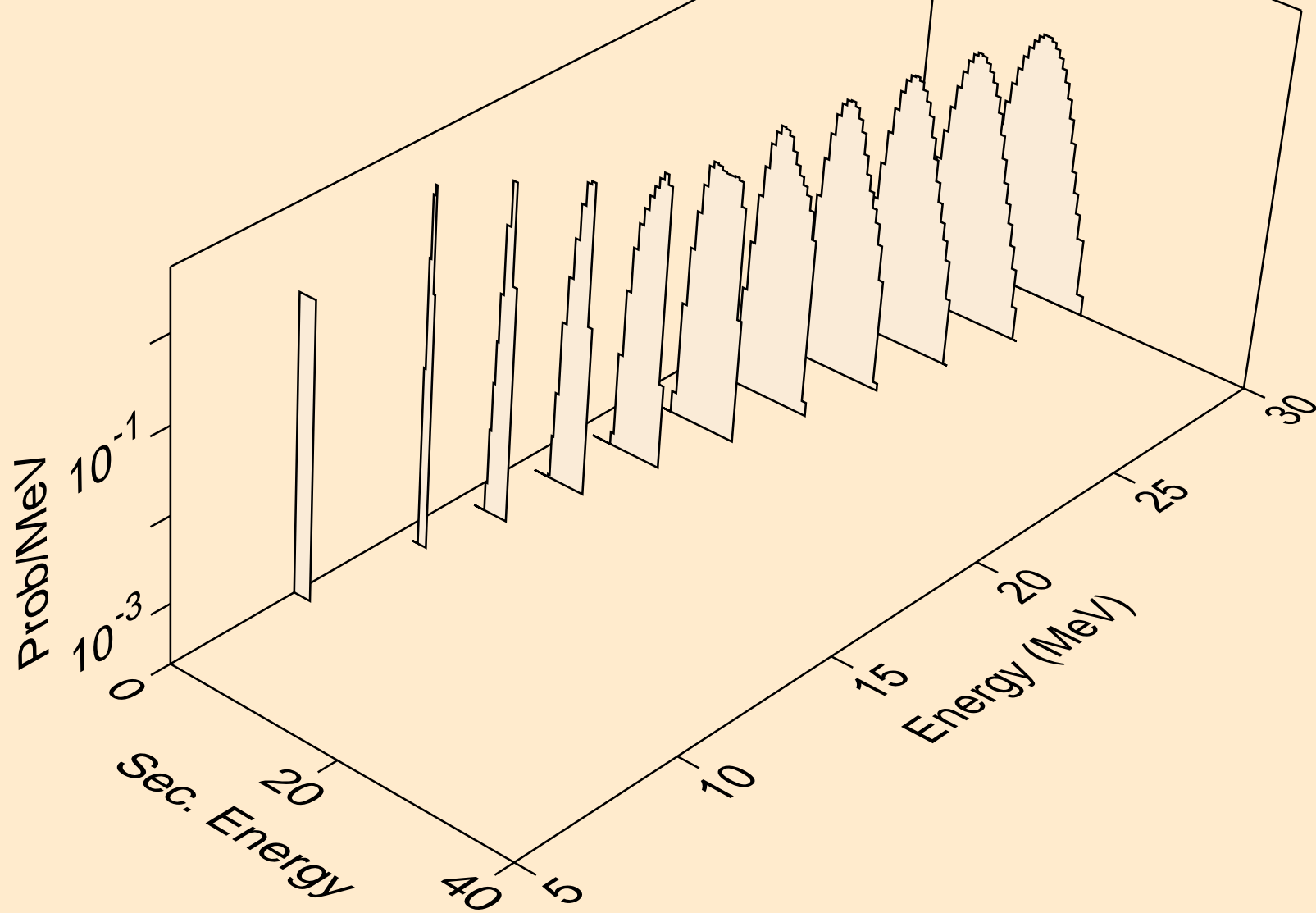
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deuterons from (n,x)



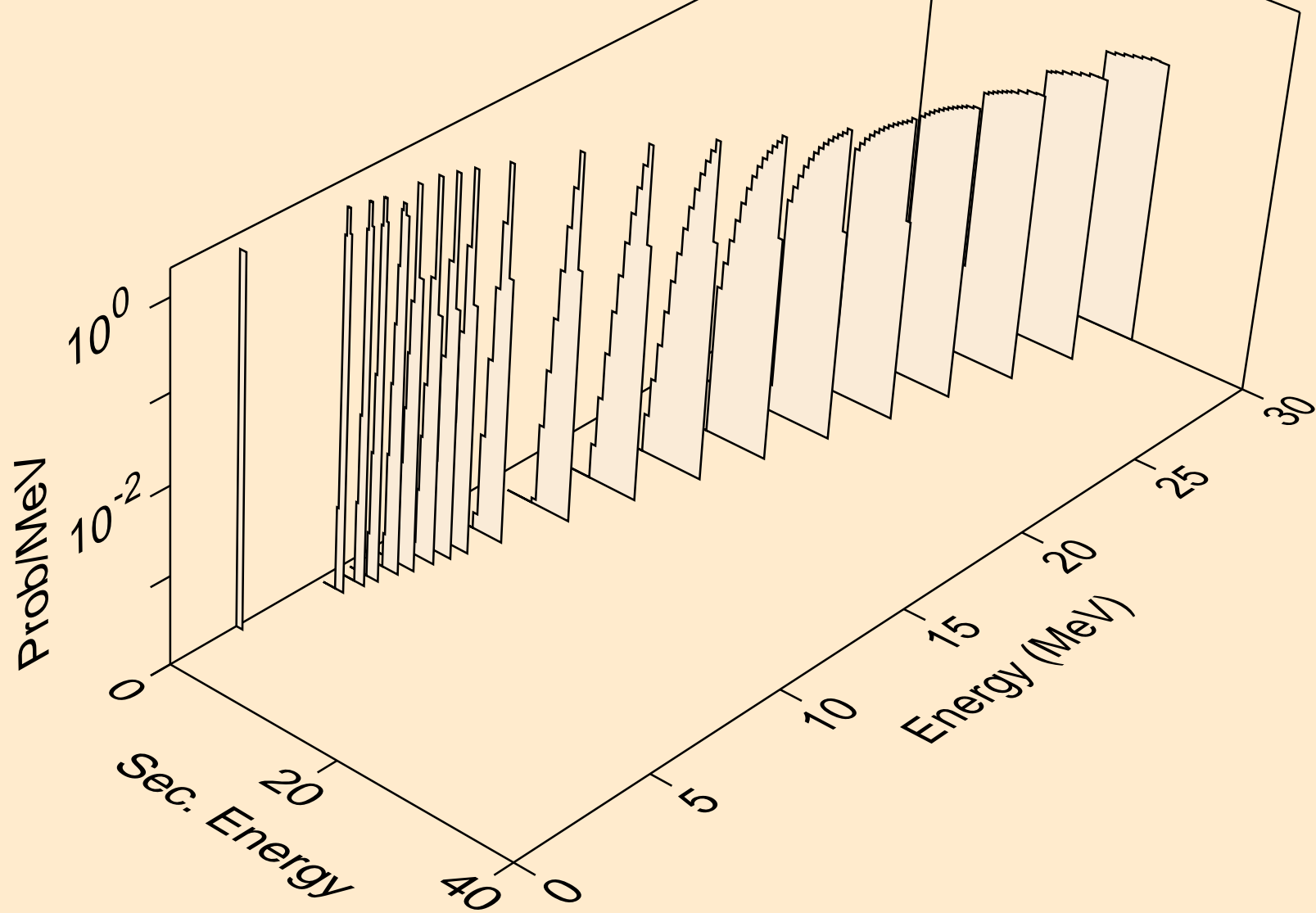
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deuterons from (n,2nd)



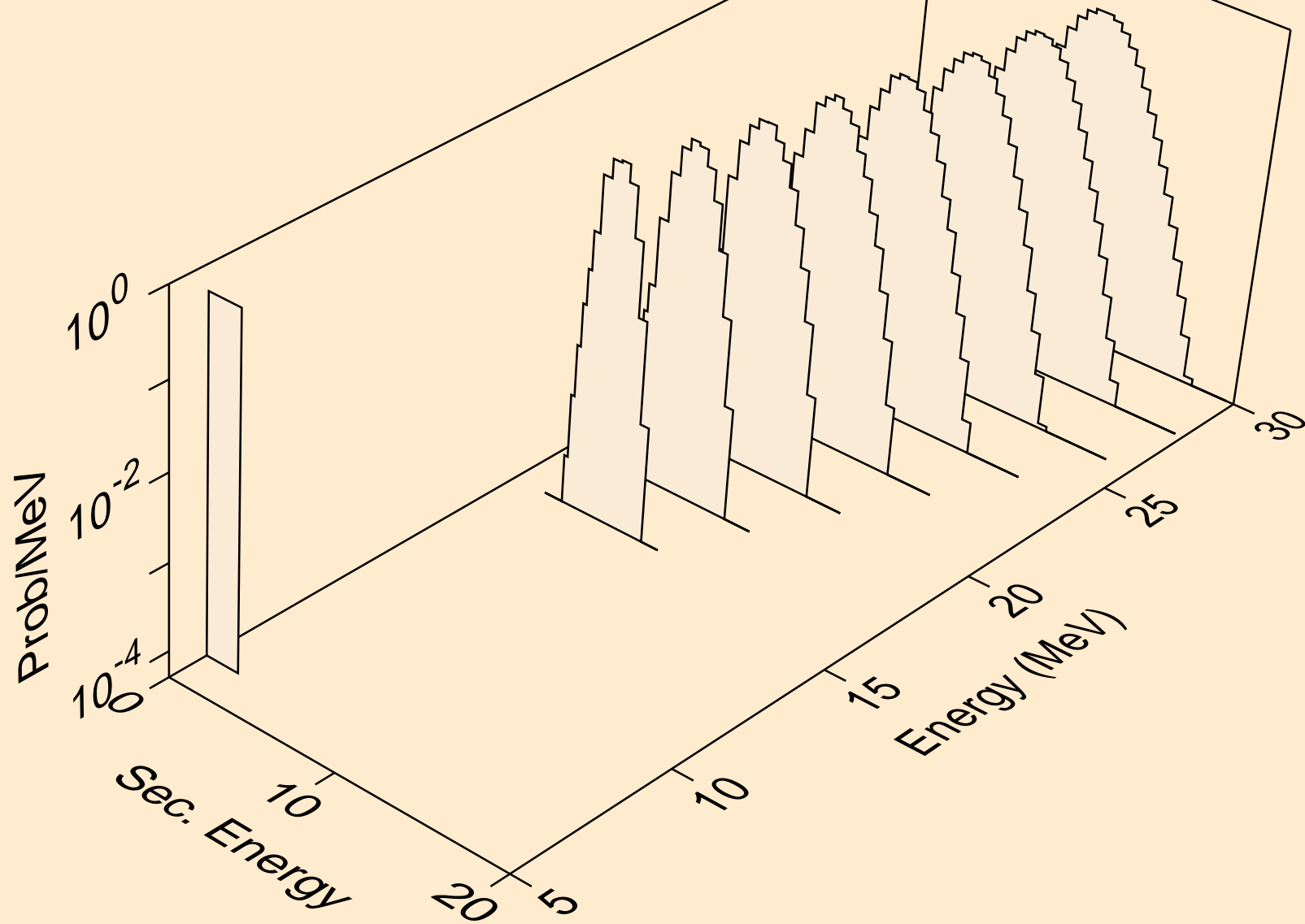
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deuterons from (n,n\*)d



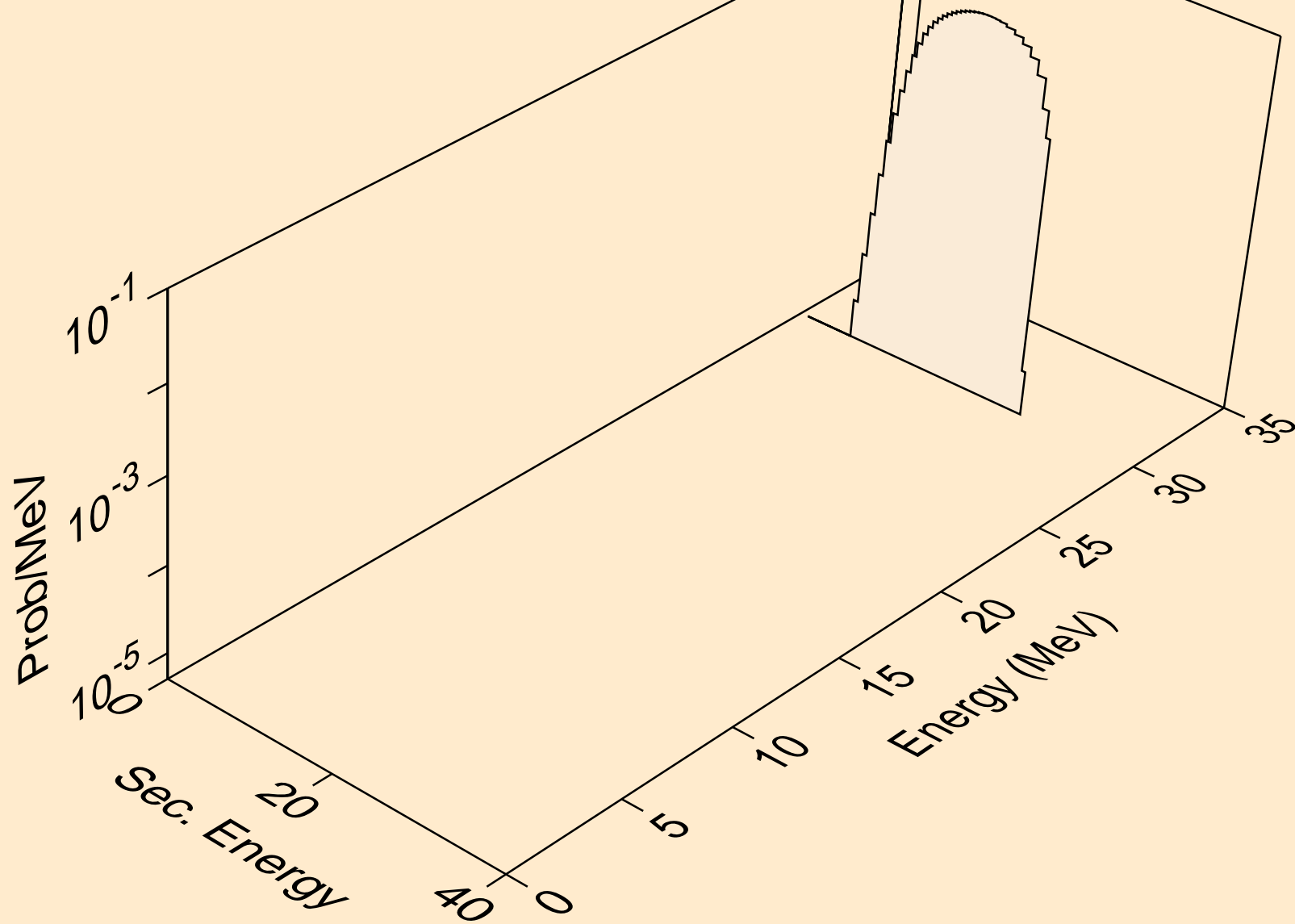
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deuterons from (n,d)



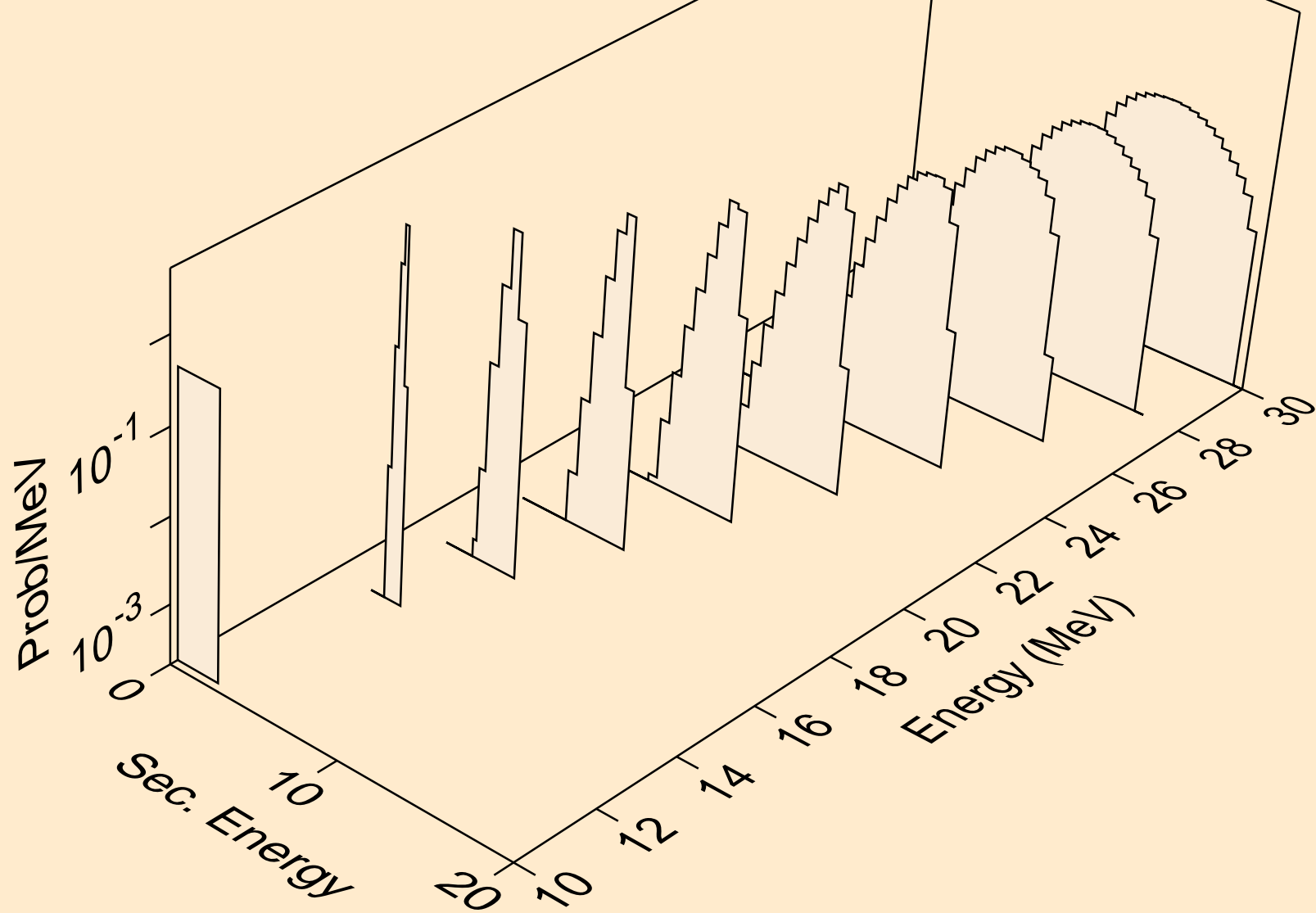
PU233 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,pd)



PU233 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,x)

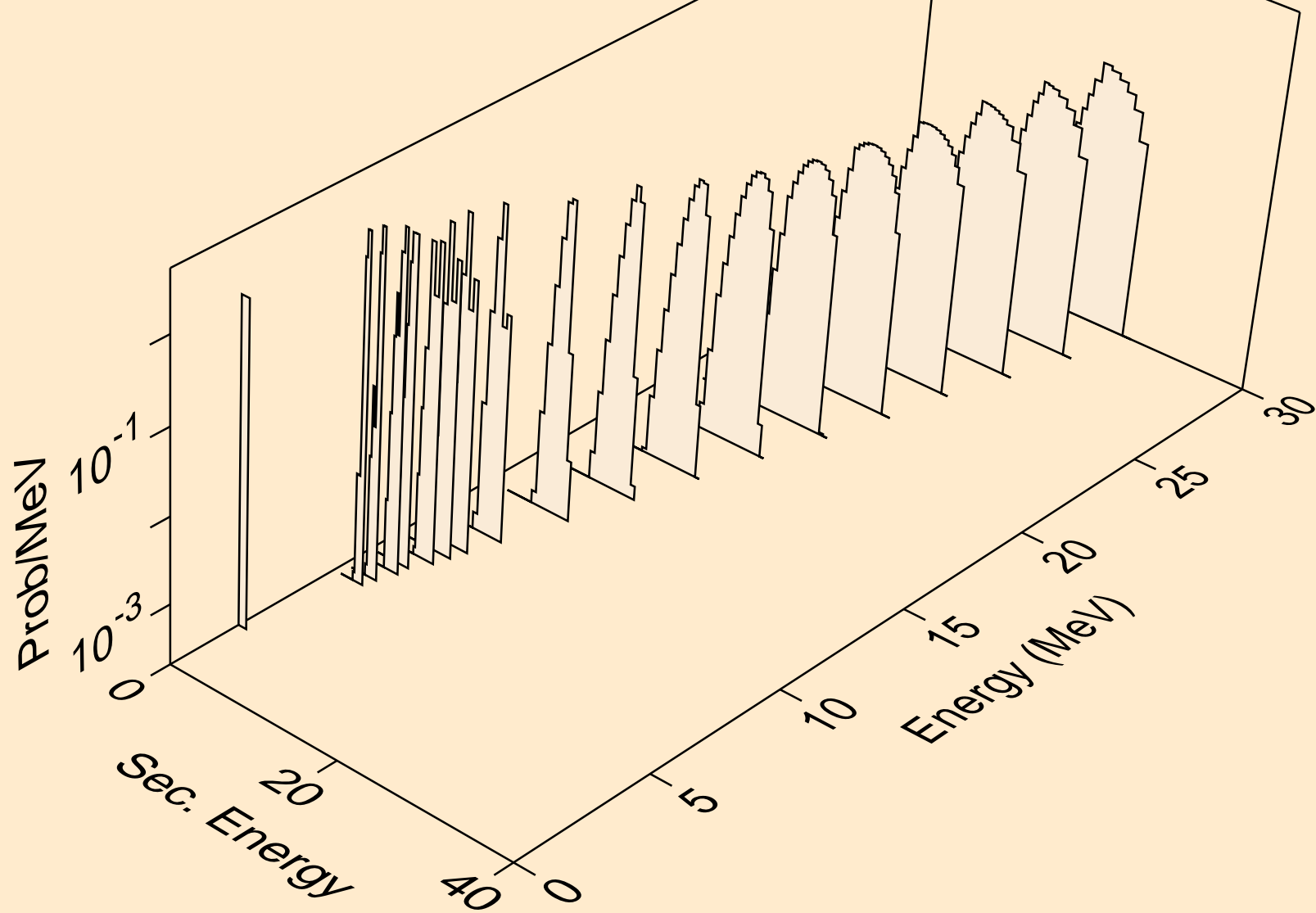


PU233 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,n\*)t

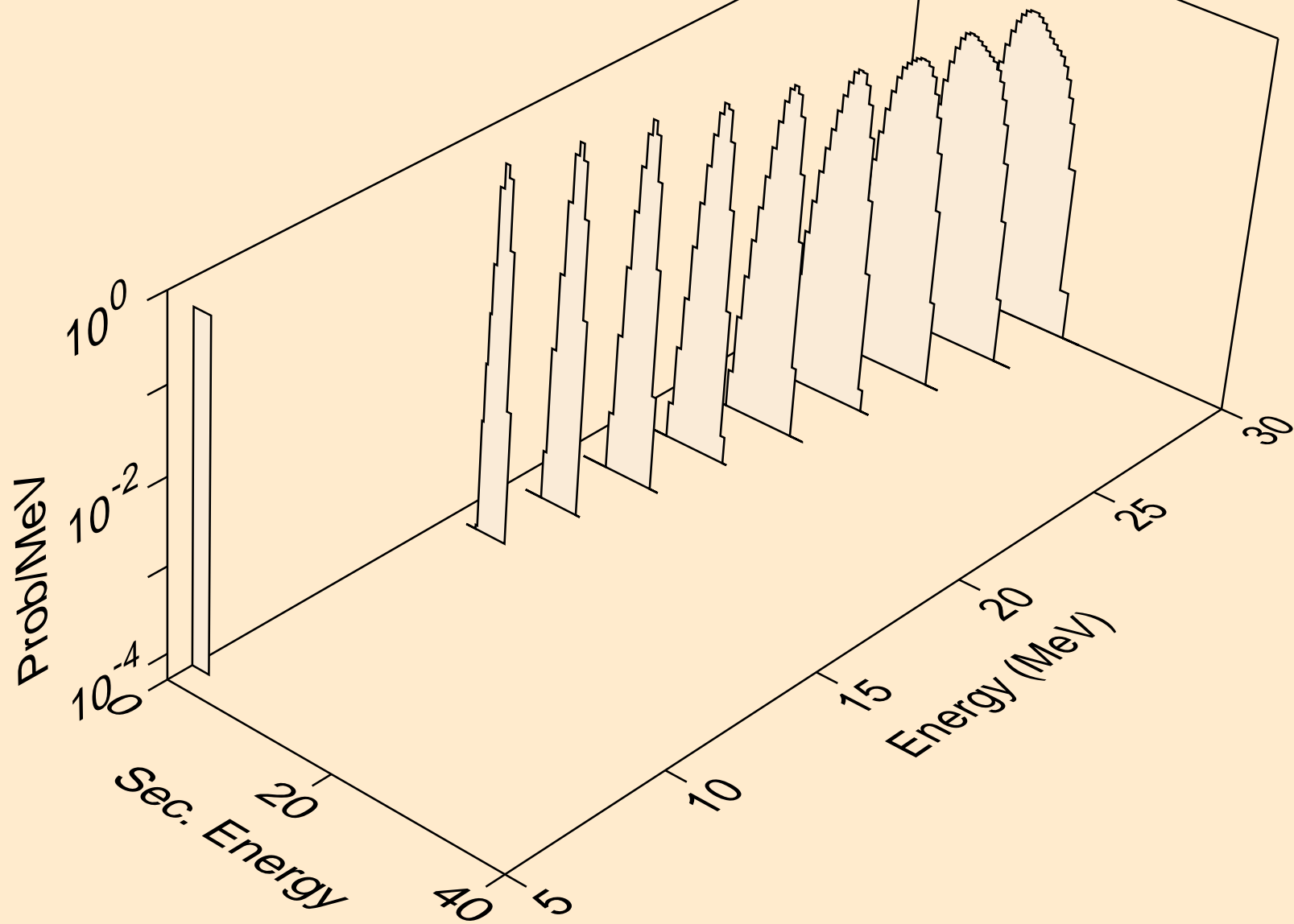




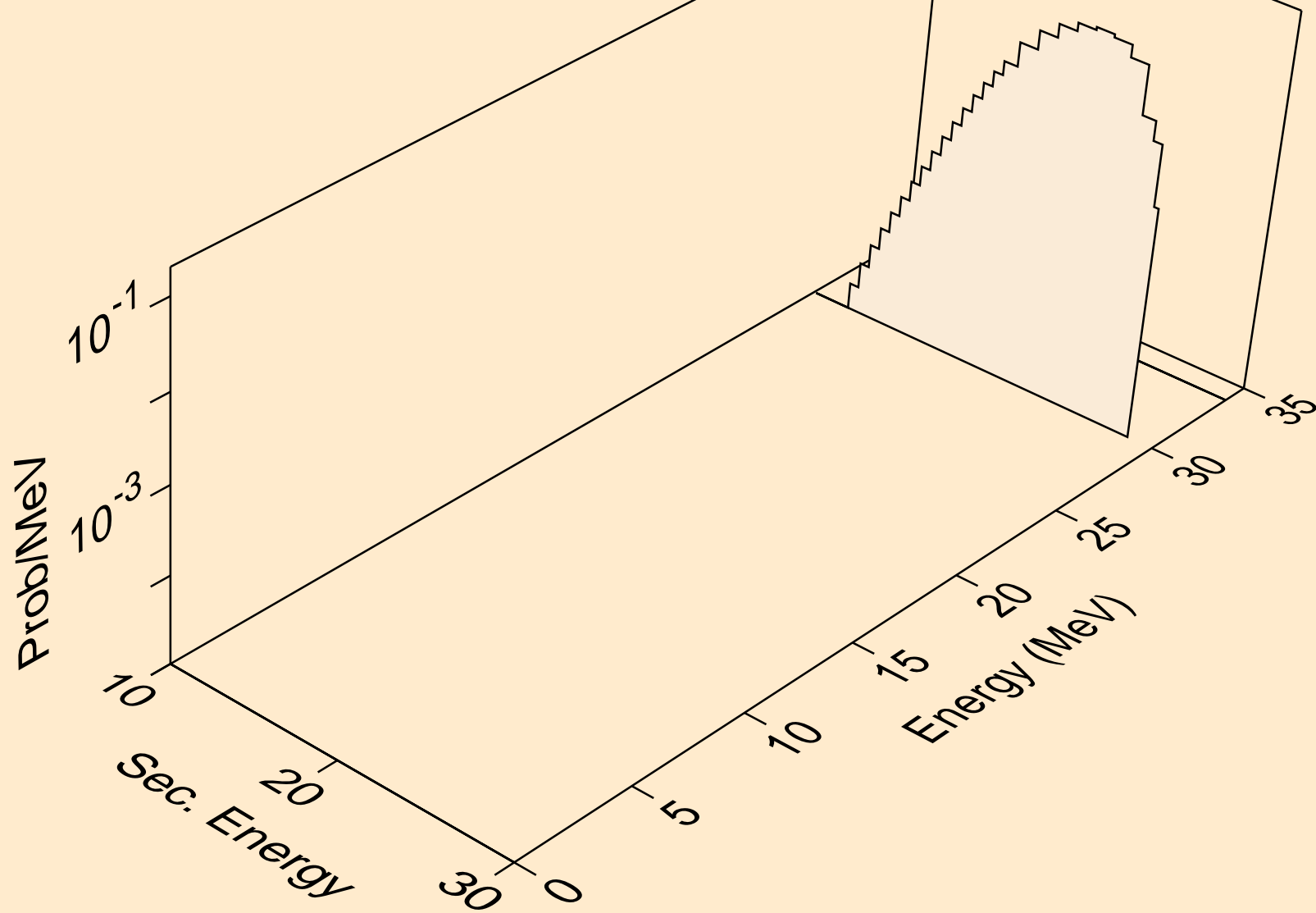
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tritons from (n,t)



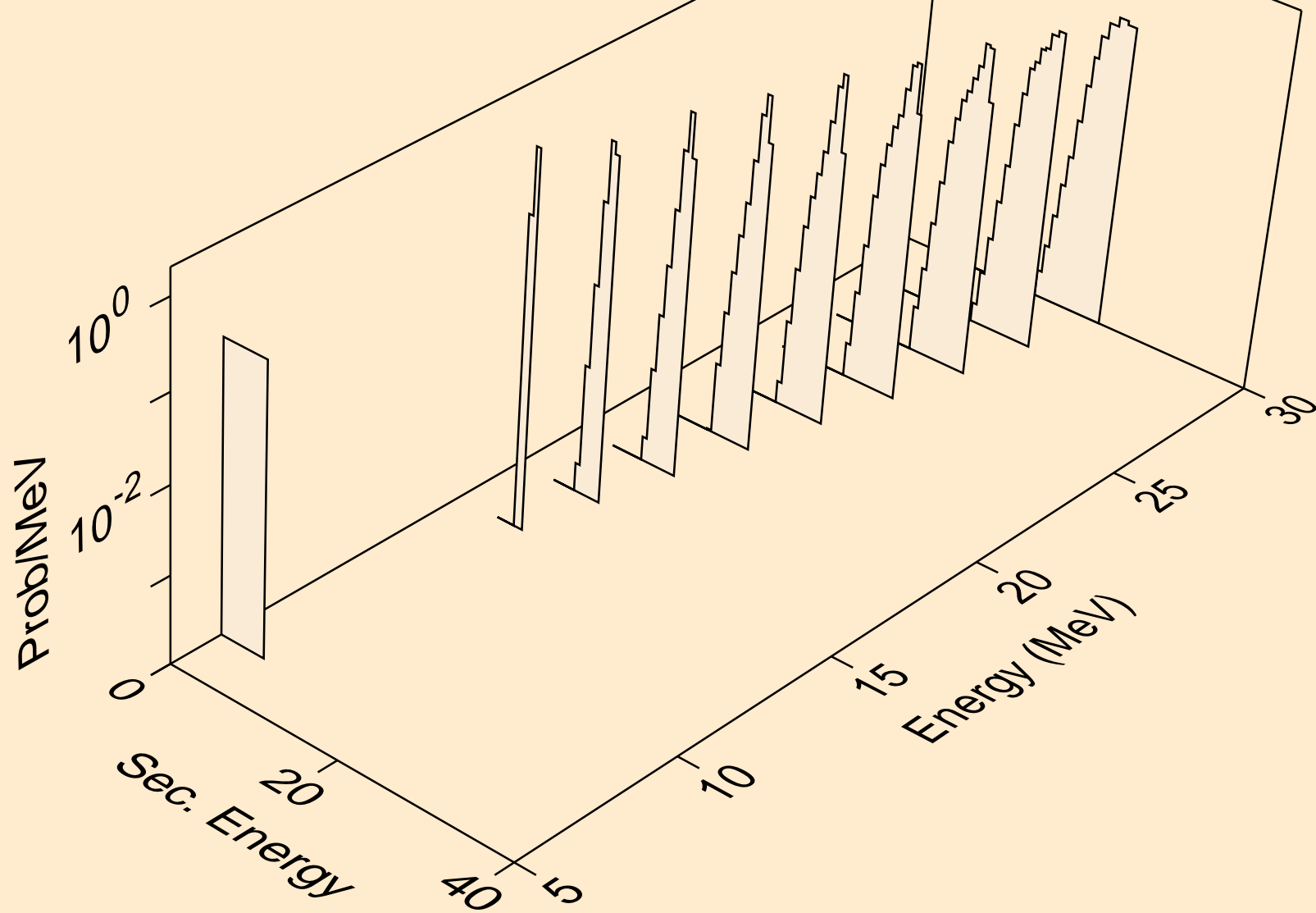
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tritons from (n,pt)



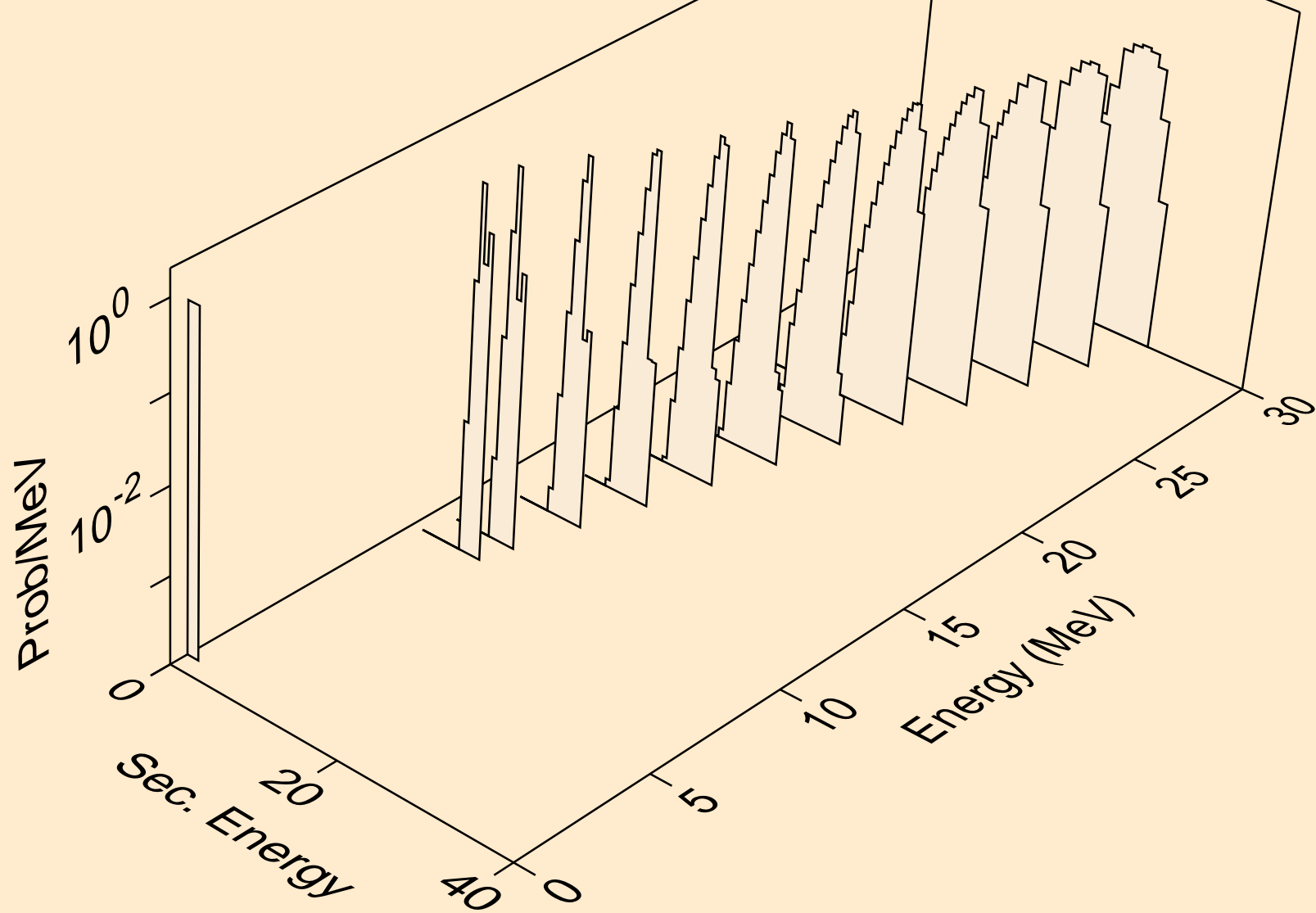
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he3s from (n,x)



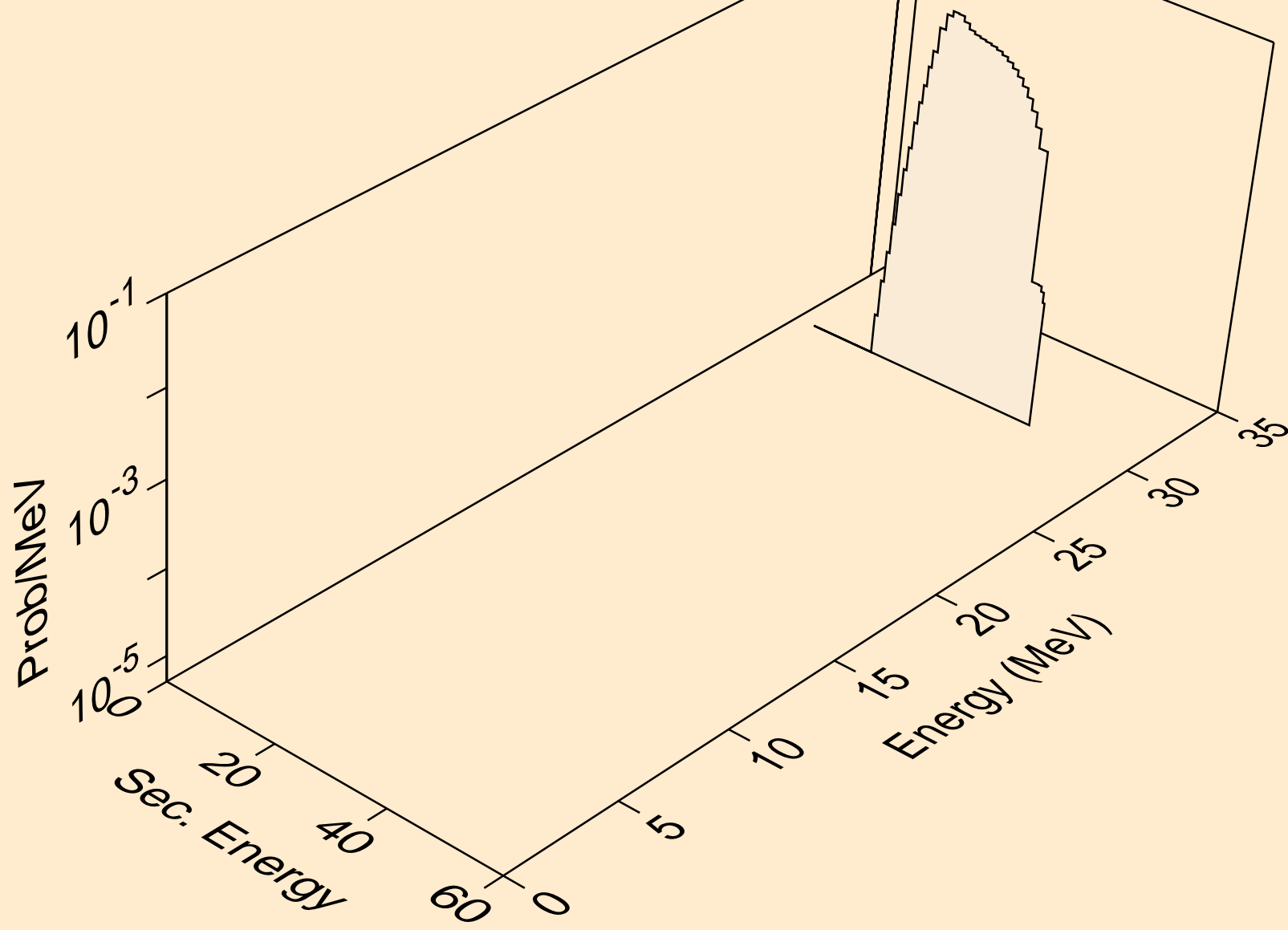
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he3s from (n,n\*)he3



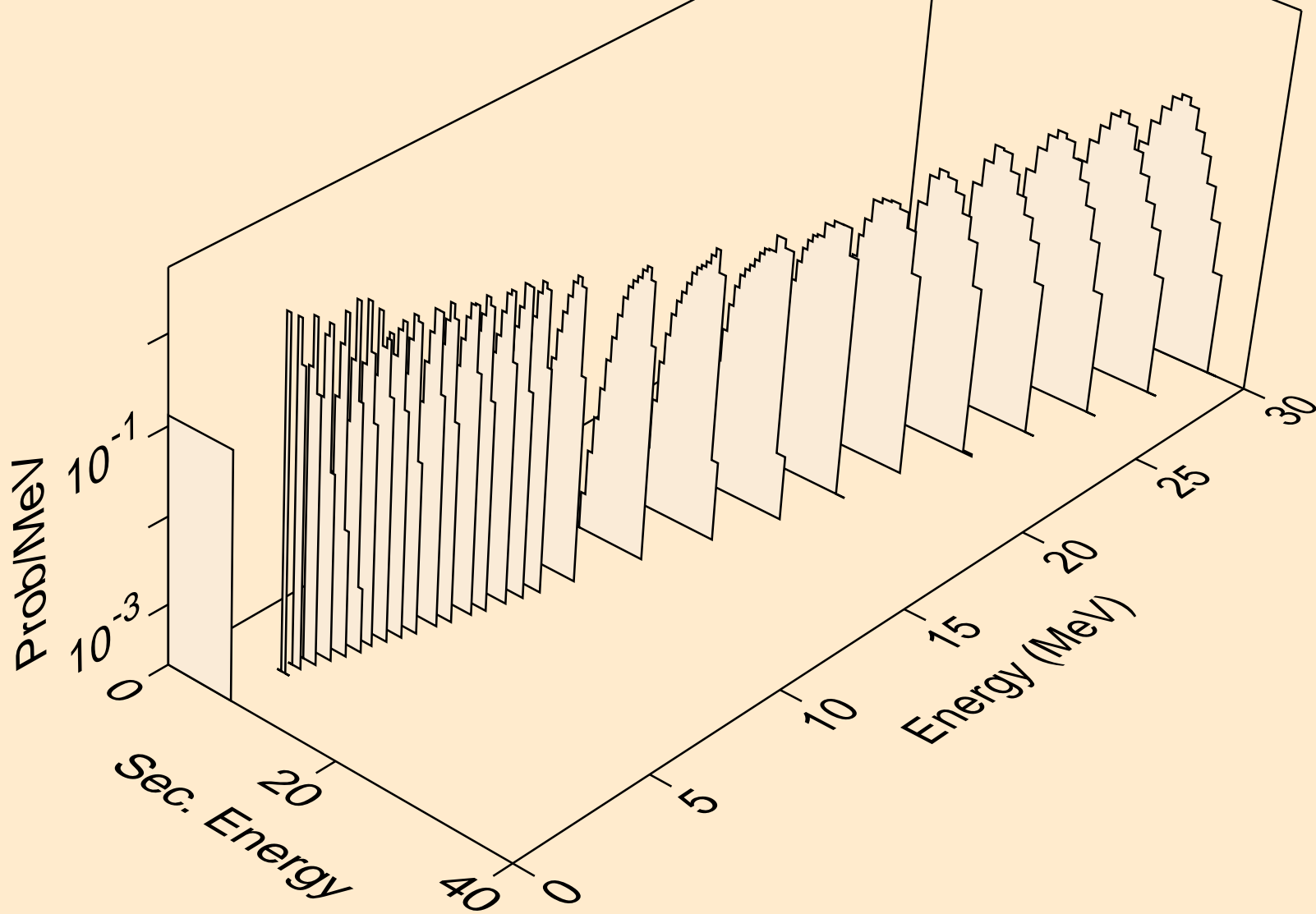
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he3s from (n,he3)



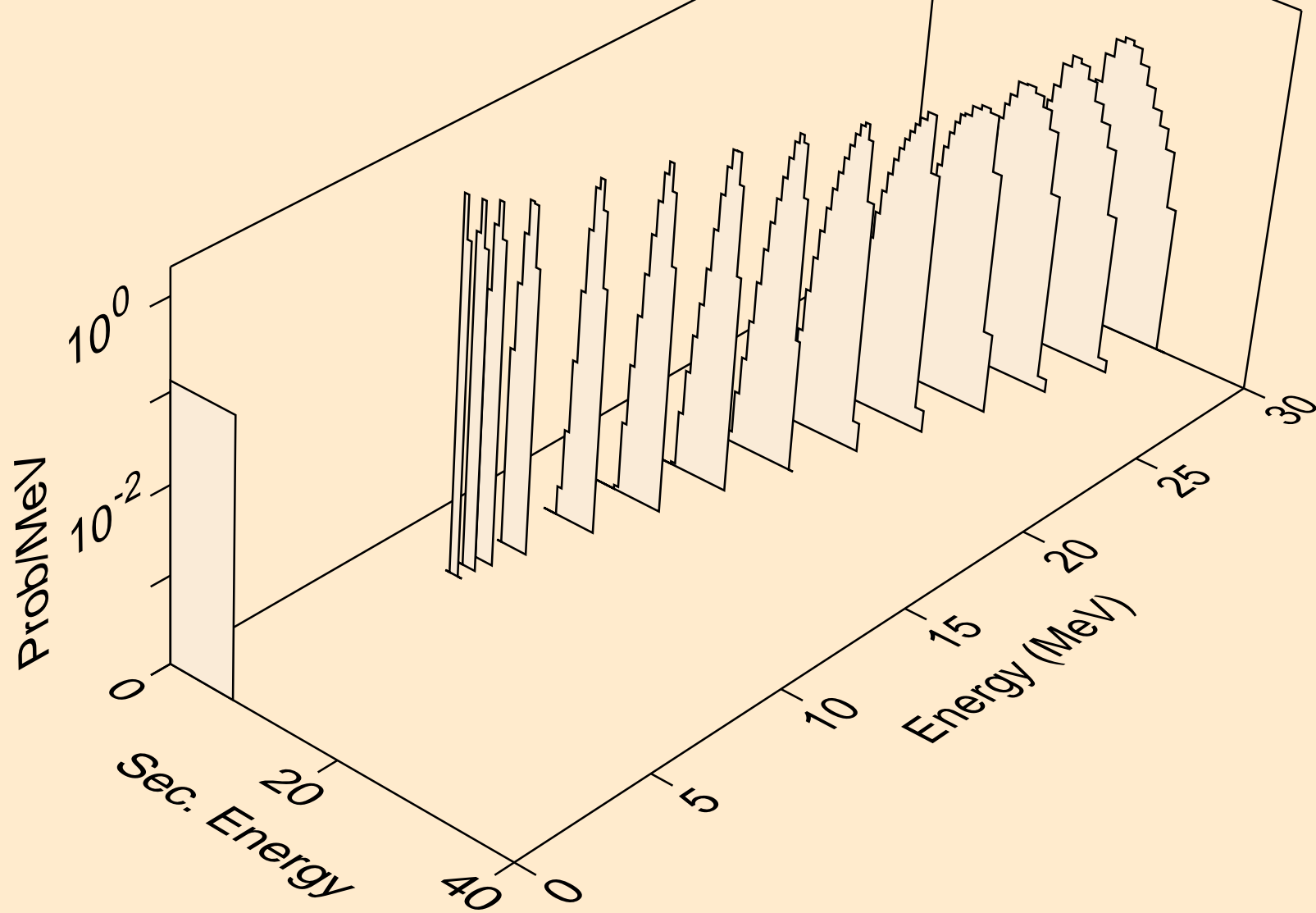
PU233 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,x)



PU233 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,n\*)a

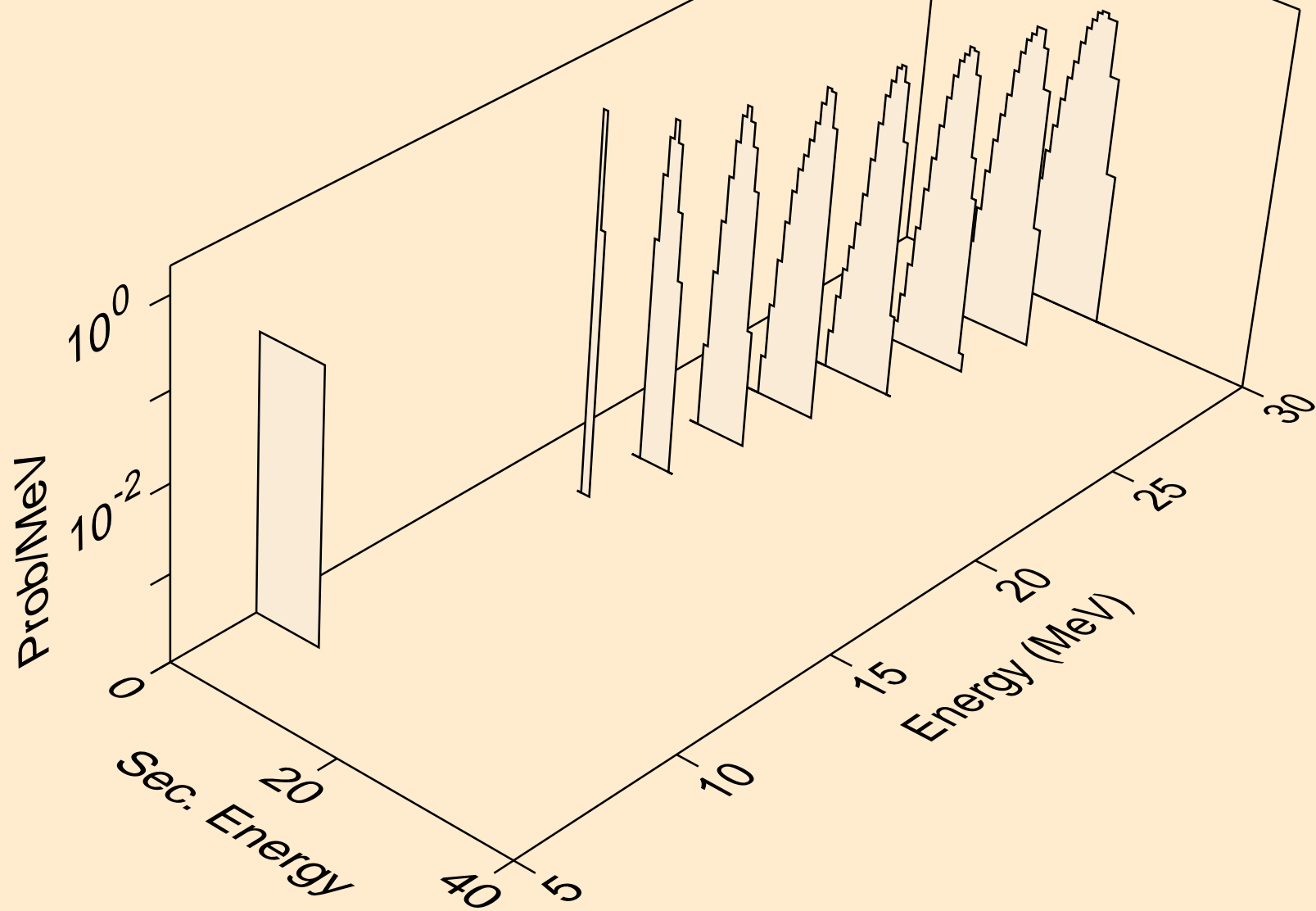


PU233 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2n)a

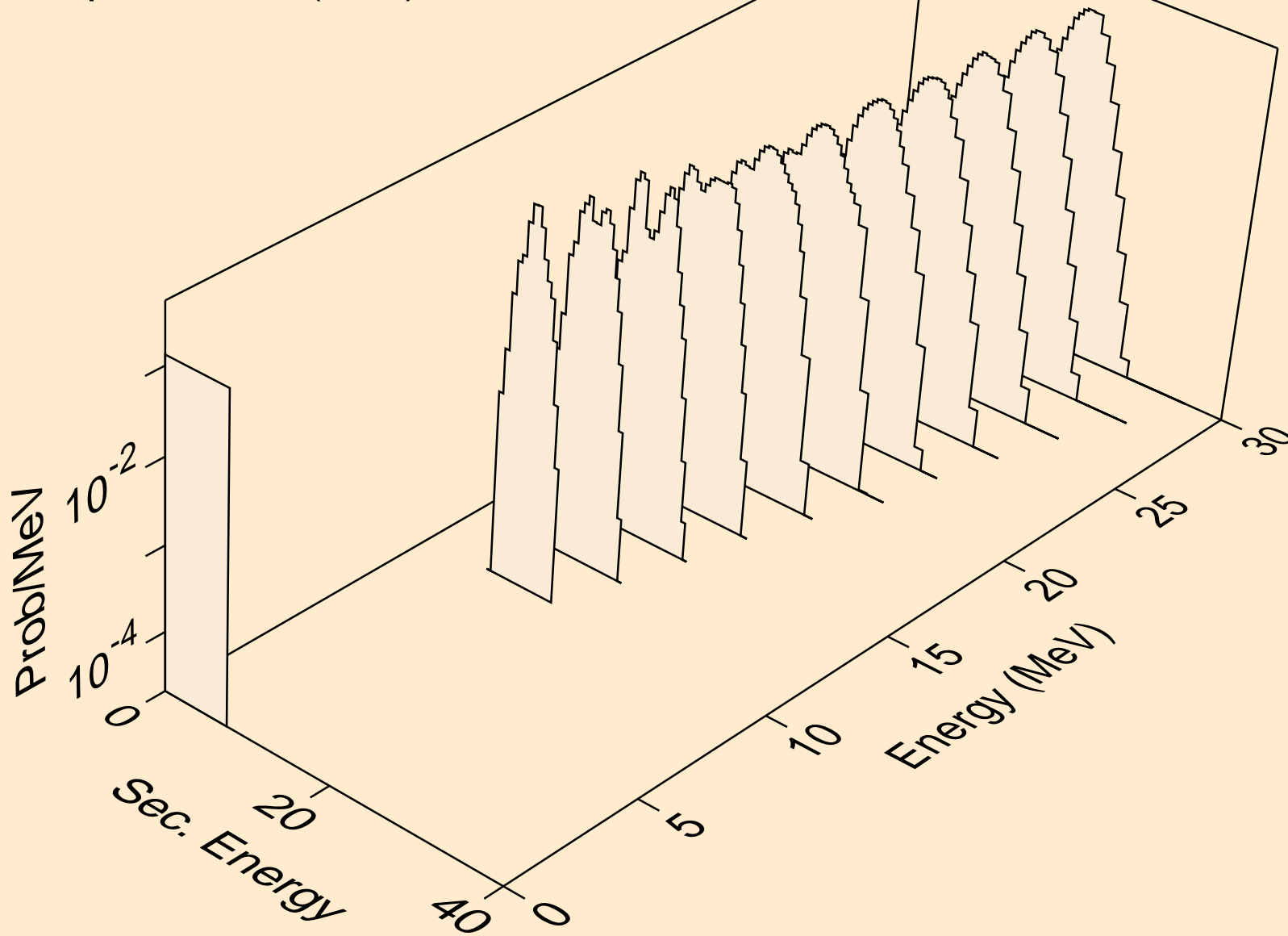




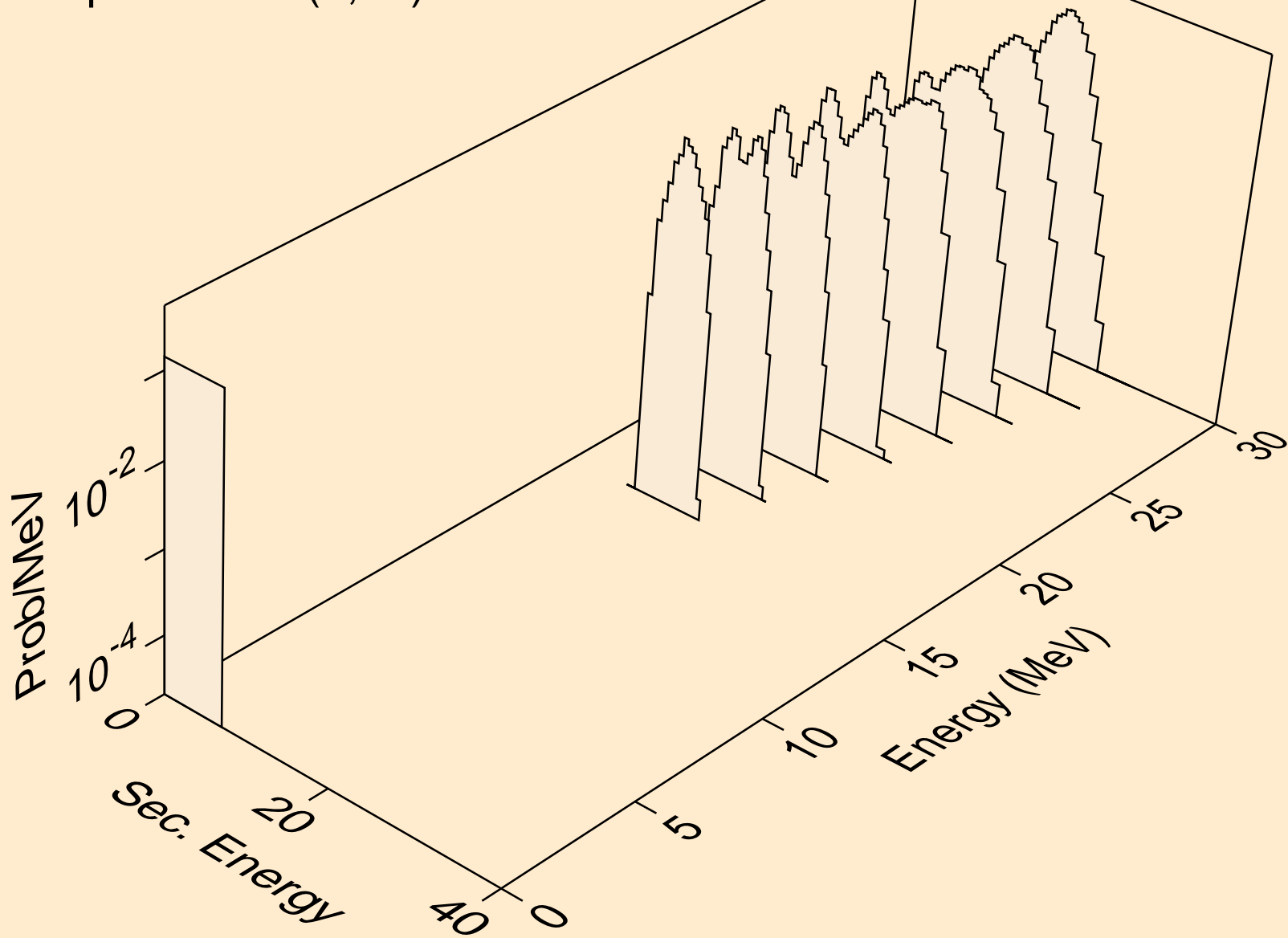
PU233 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,3n)a



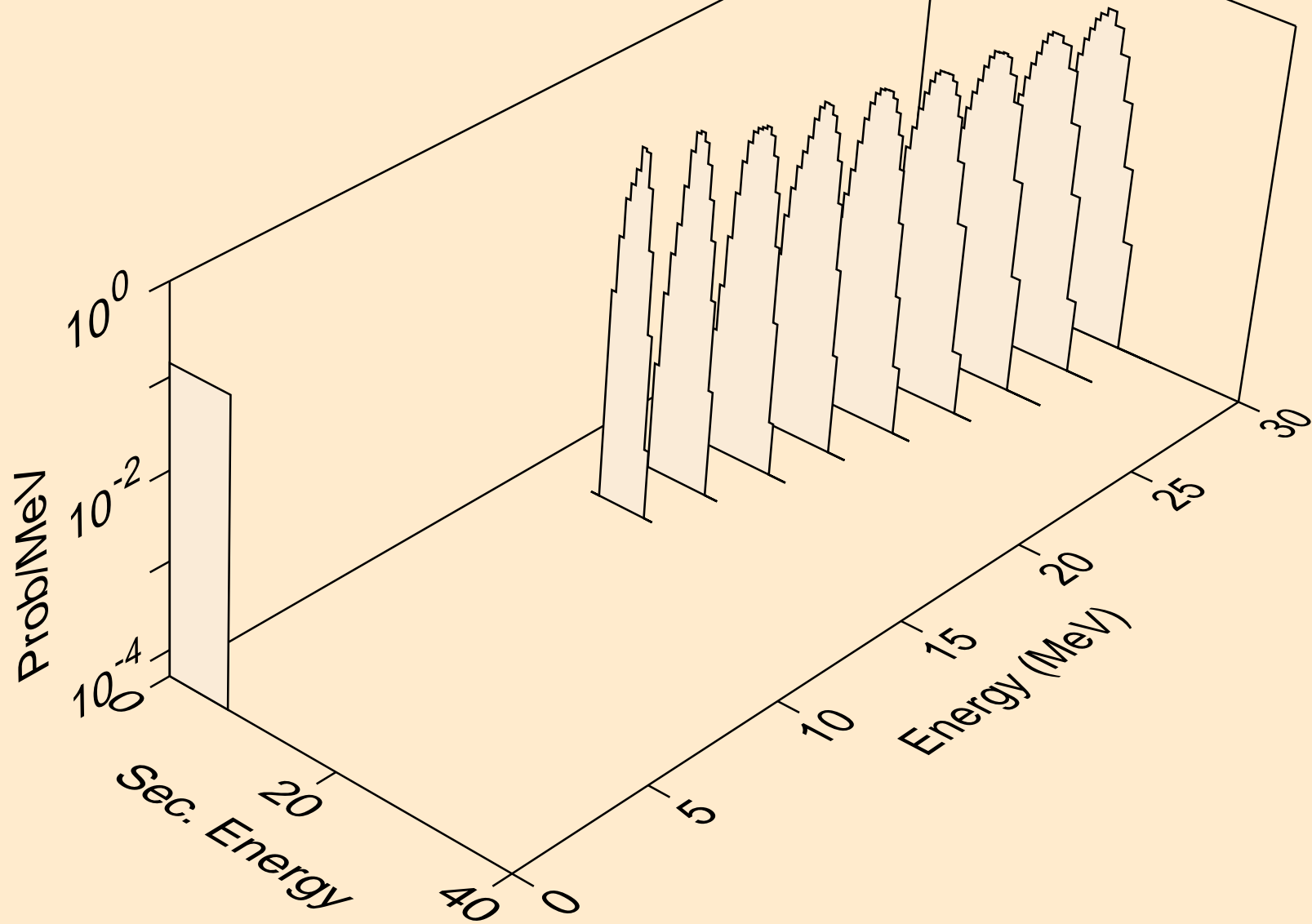
PU233 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,n\*)2a



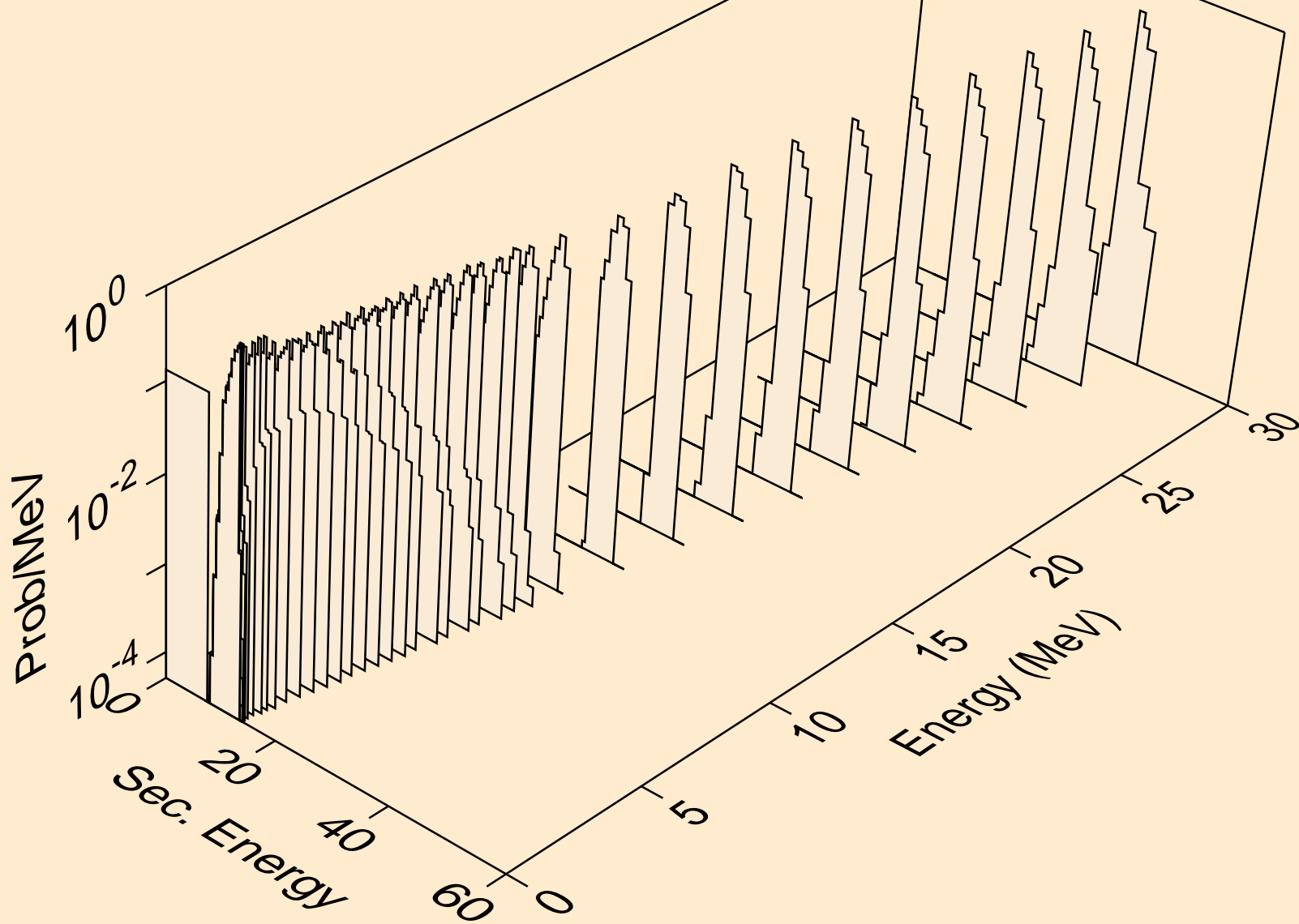
PU233 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2n)2a



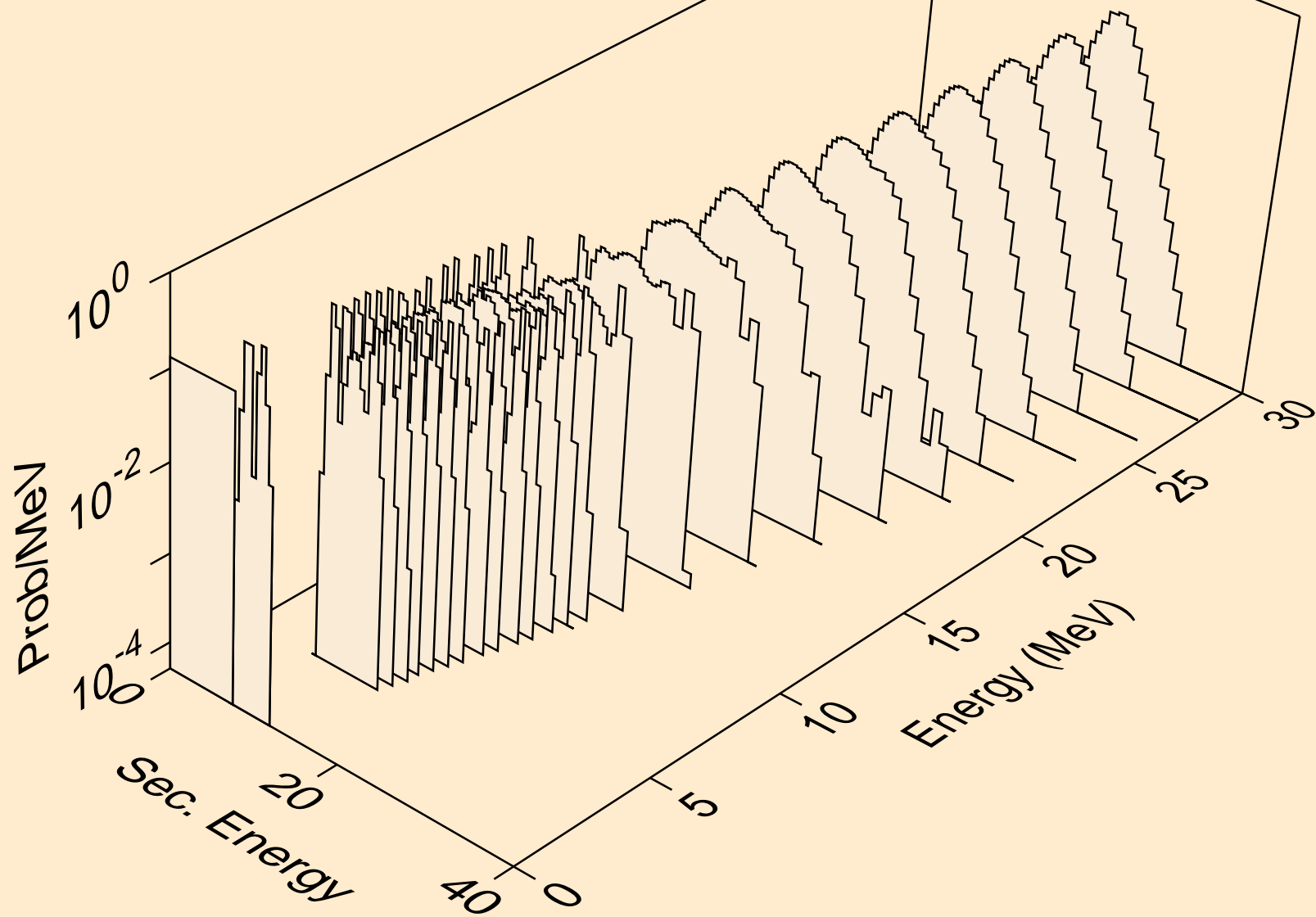
PU233 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,npa)



PU233 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,a)



PU233 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2a)



PU233 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,pa)

