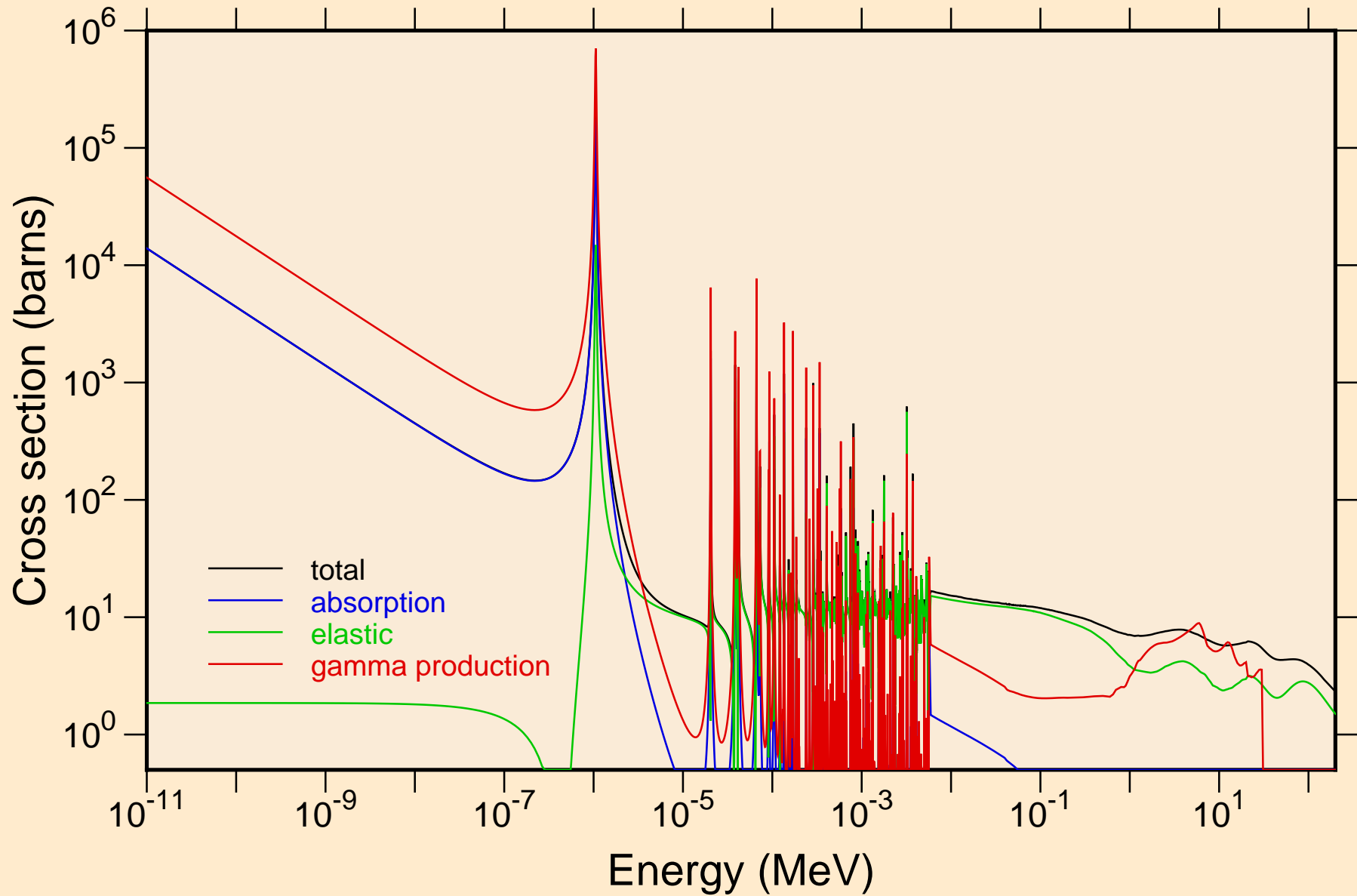
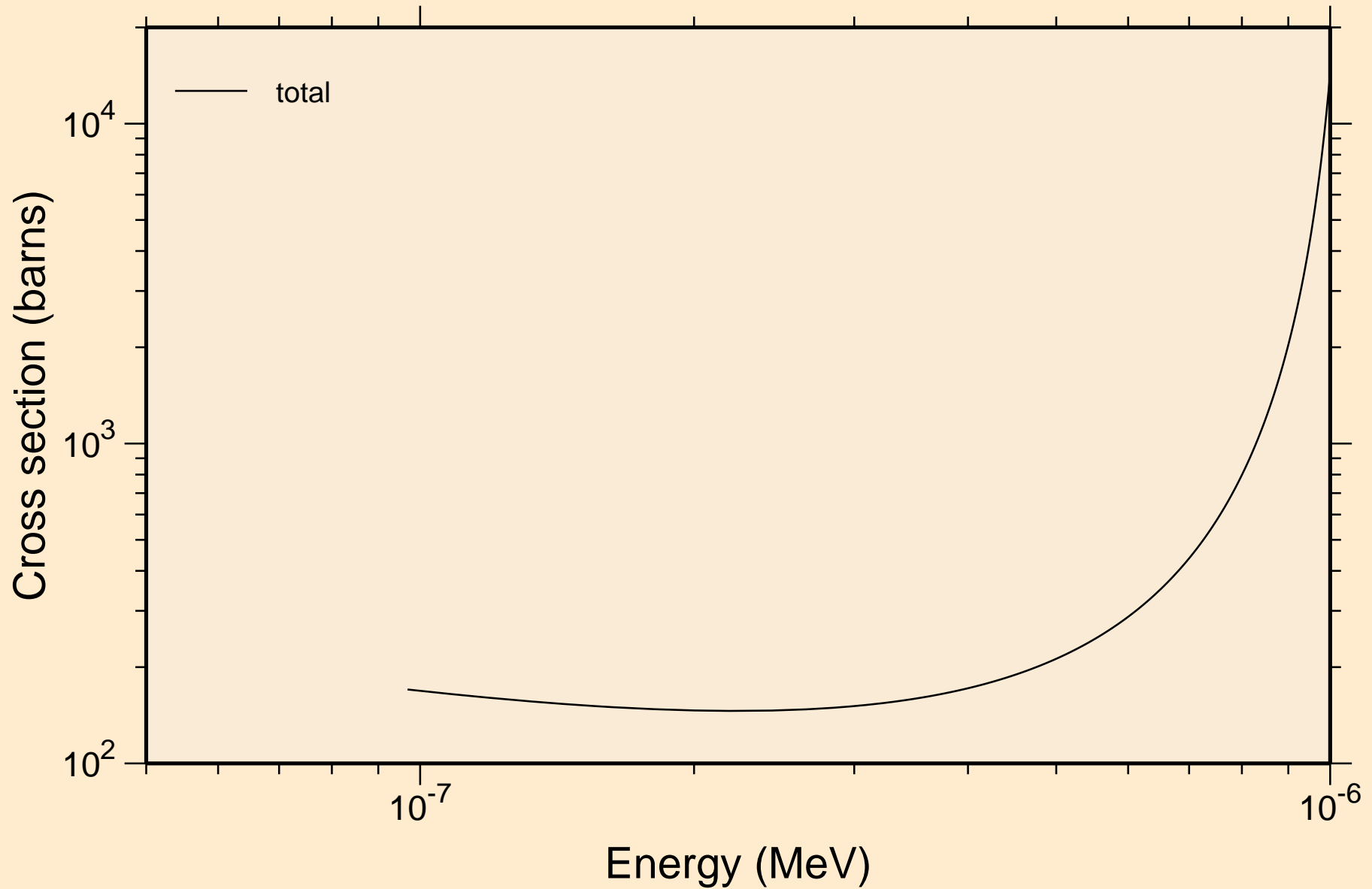


# PU240 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

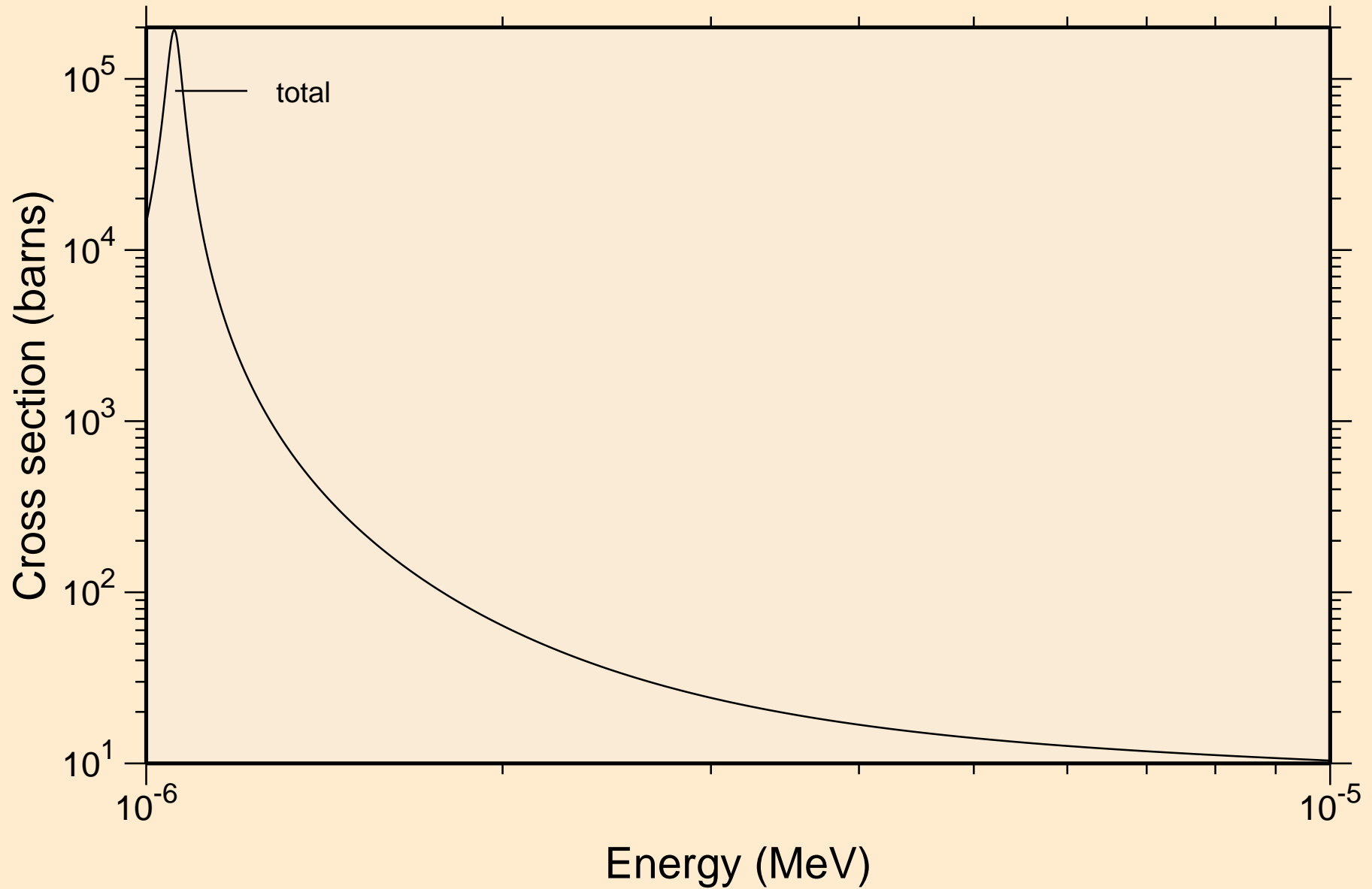
## Principal cross sections



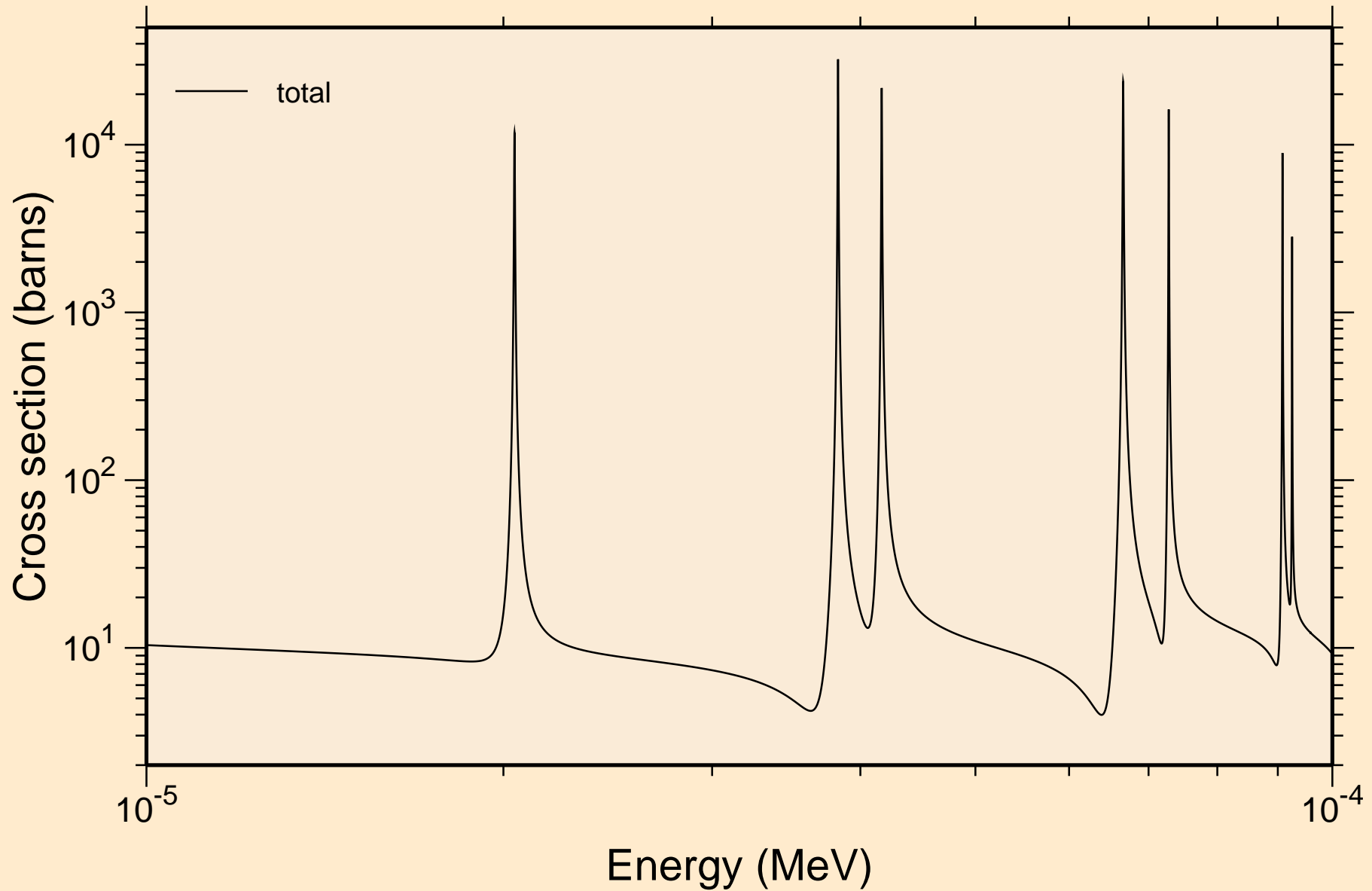
PU240 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



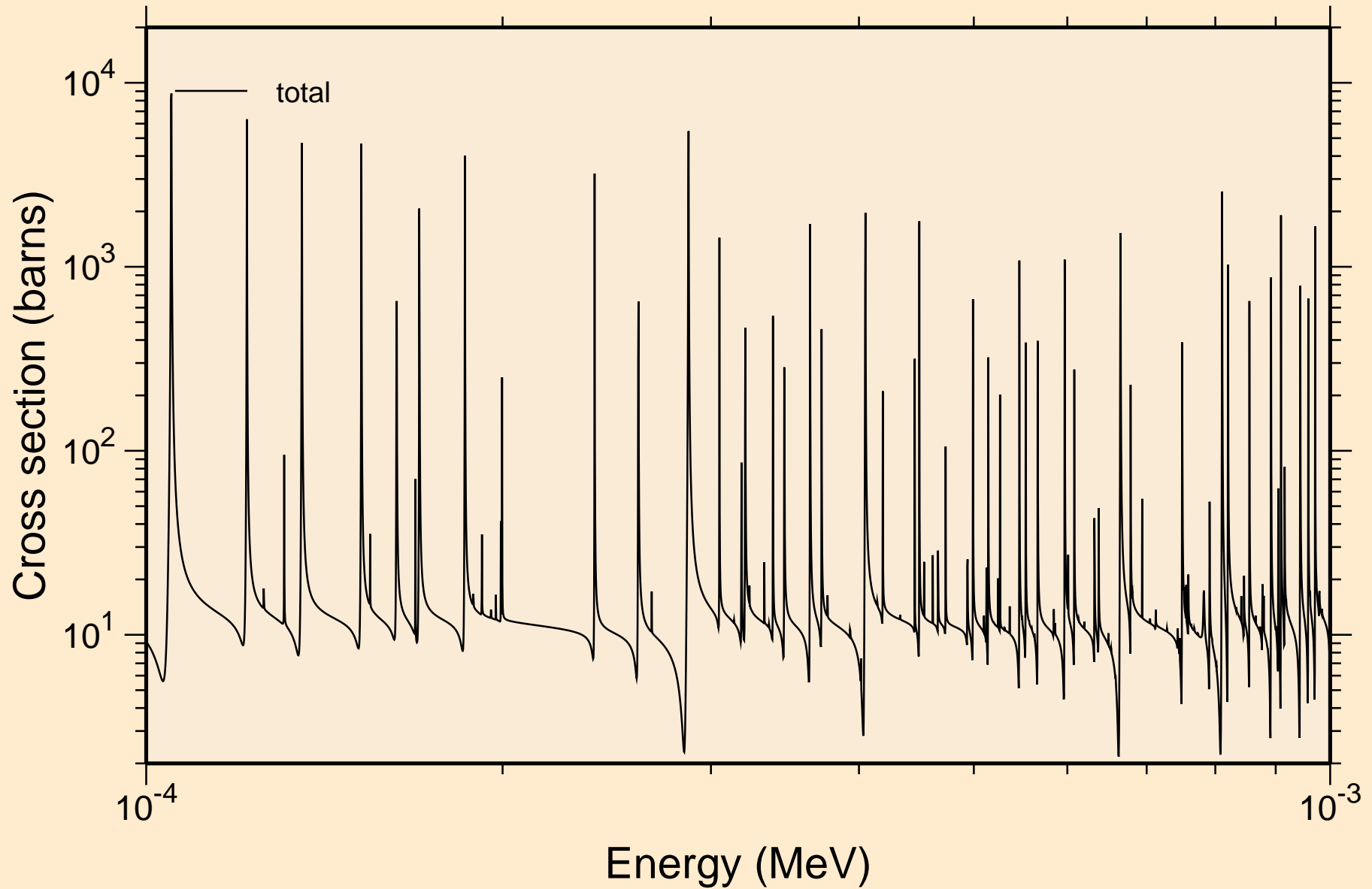
PU240 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



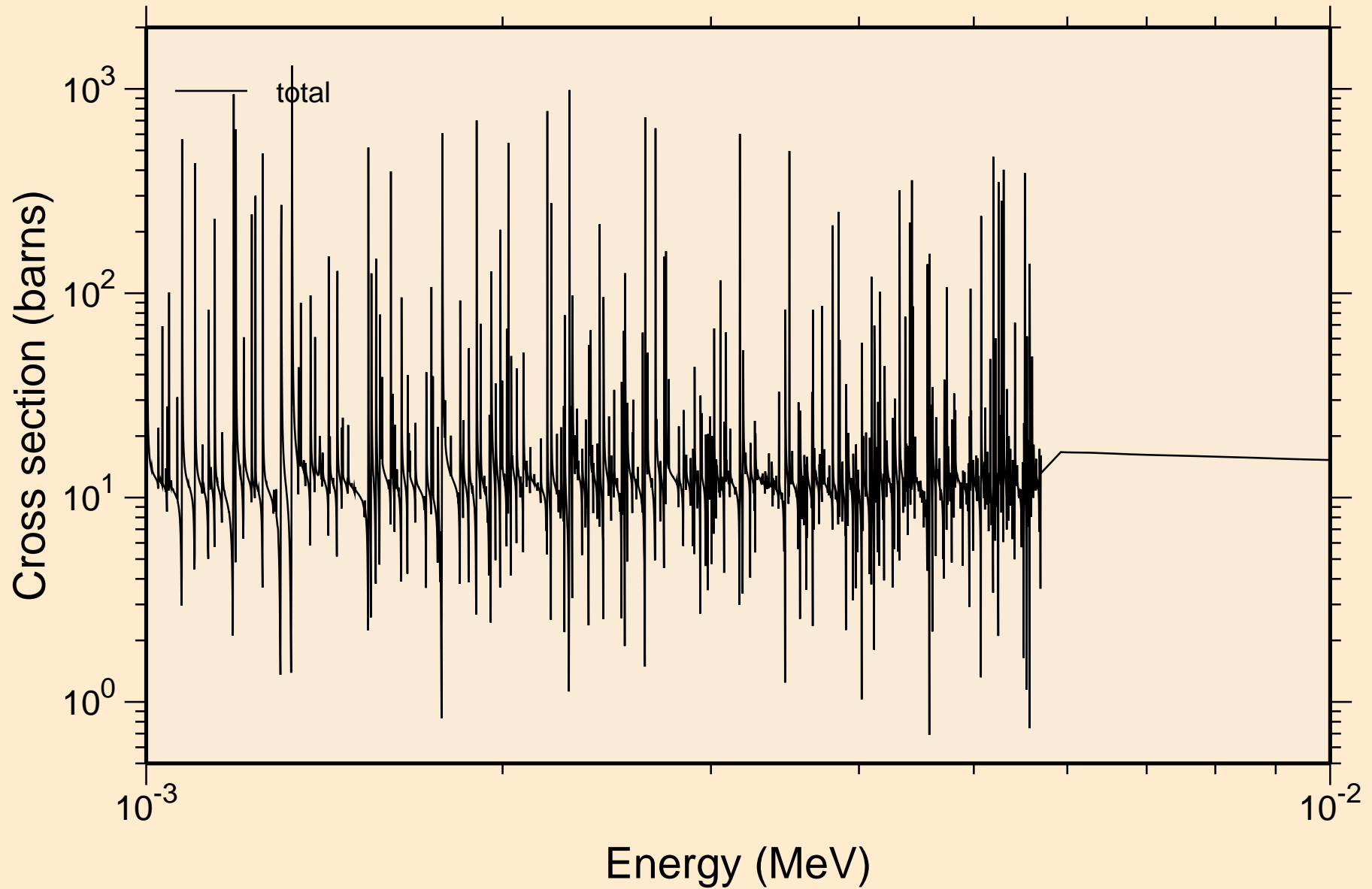
PU240 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



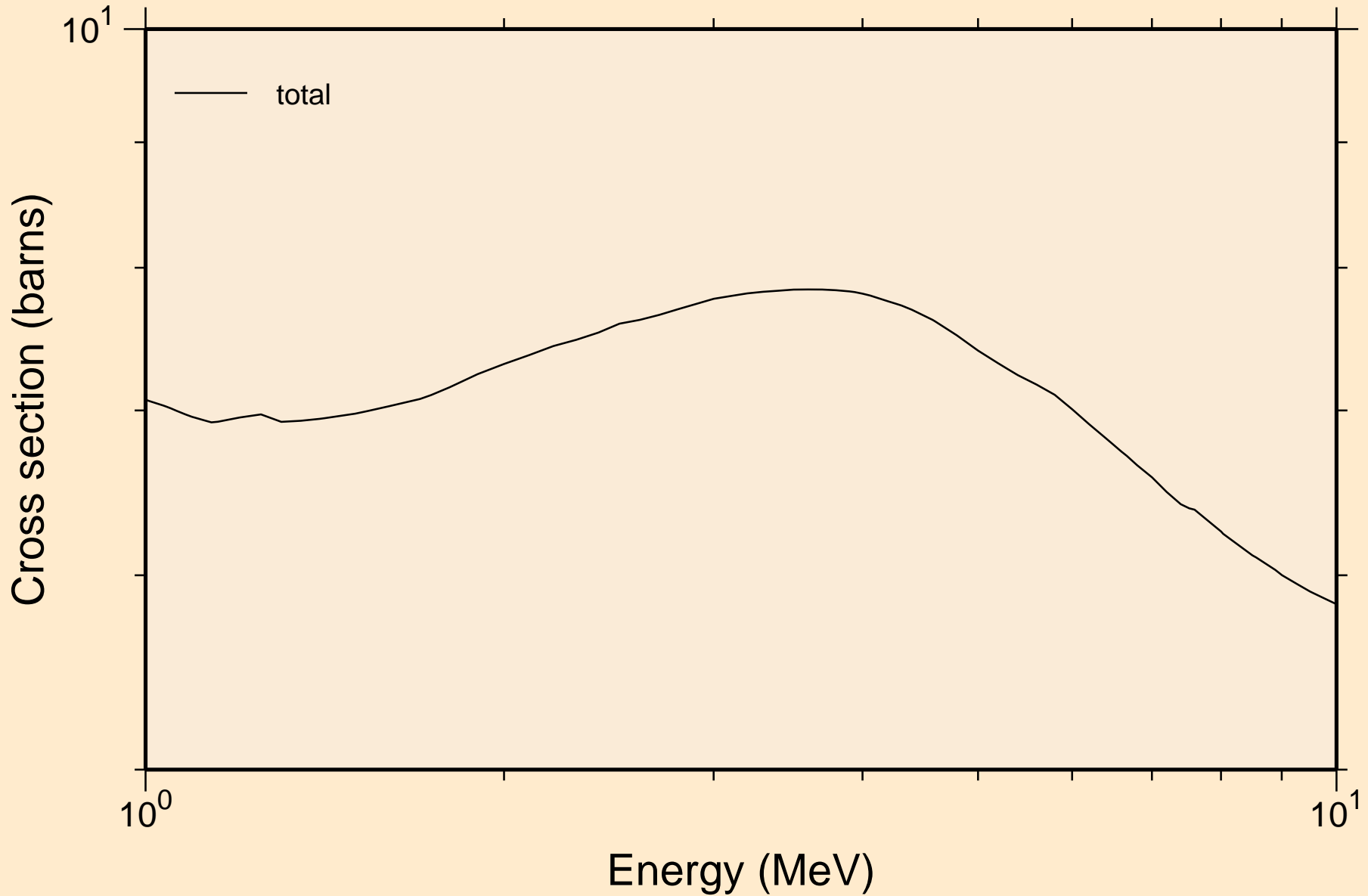
PU240 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



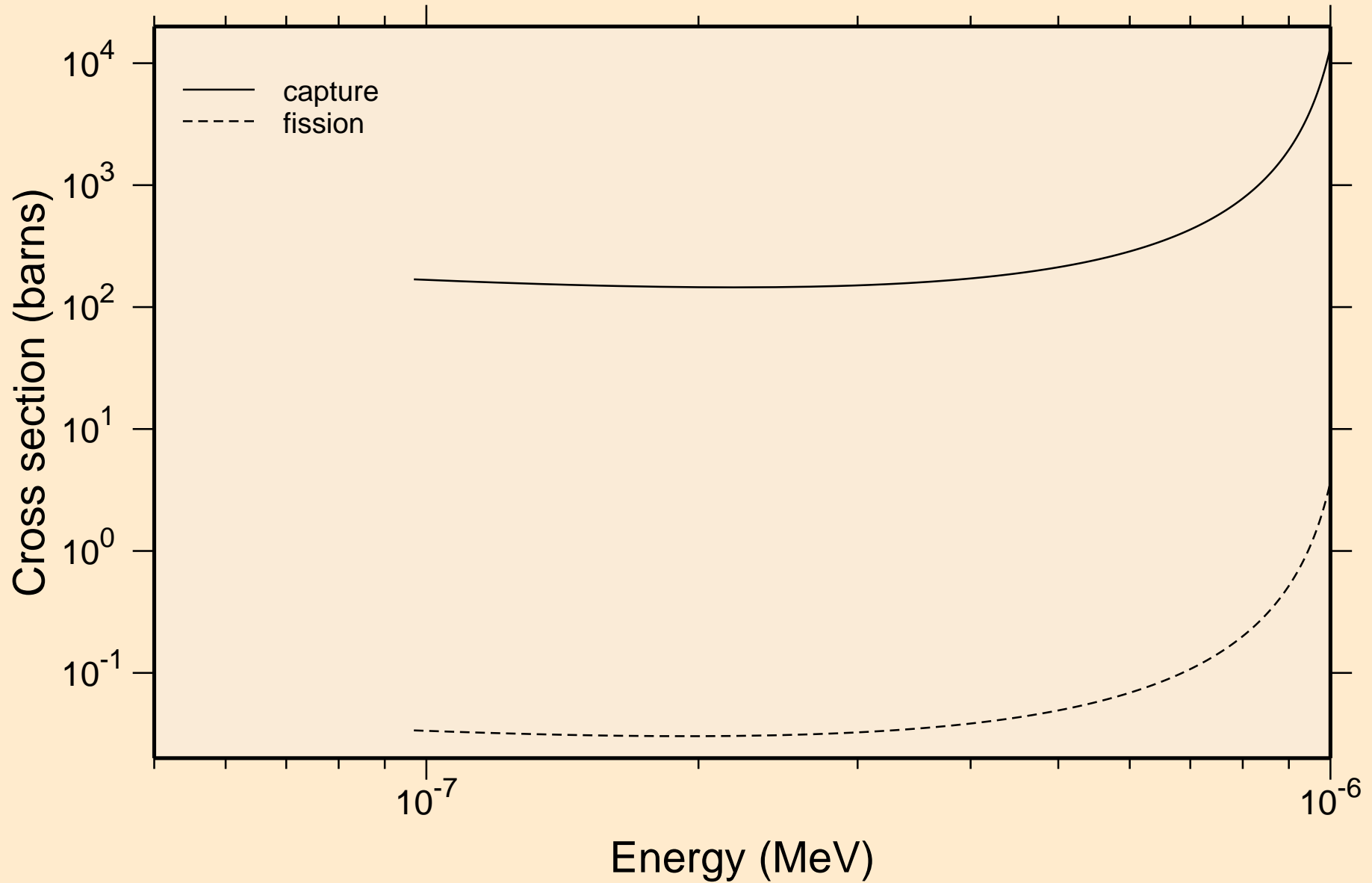
PU240 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



PU240 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section

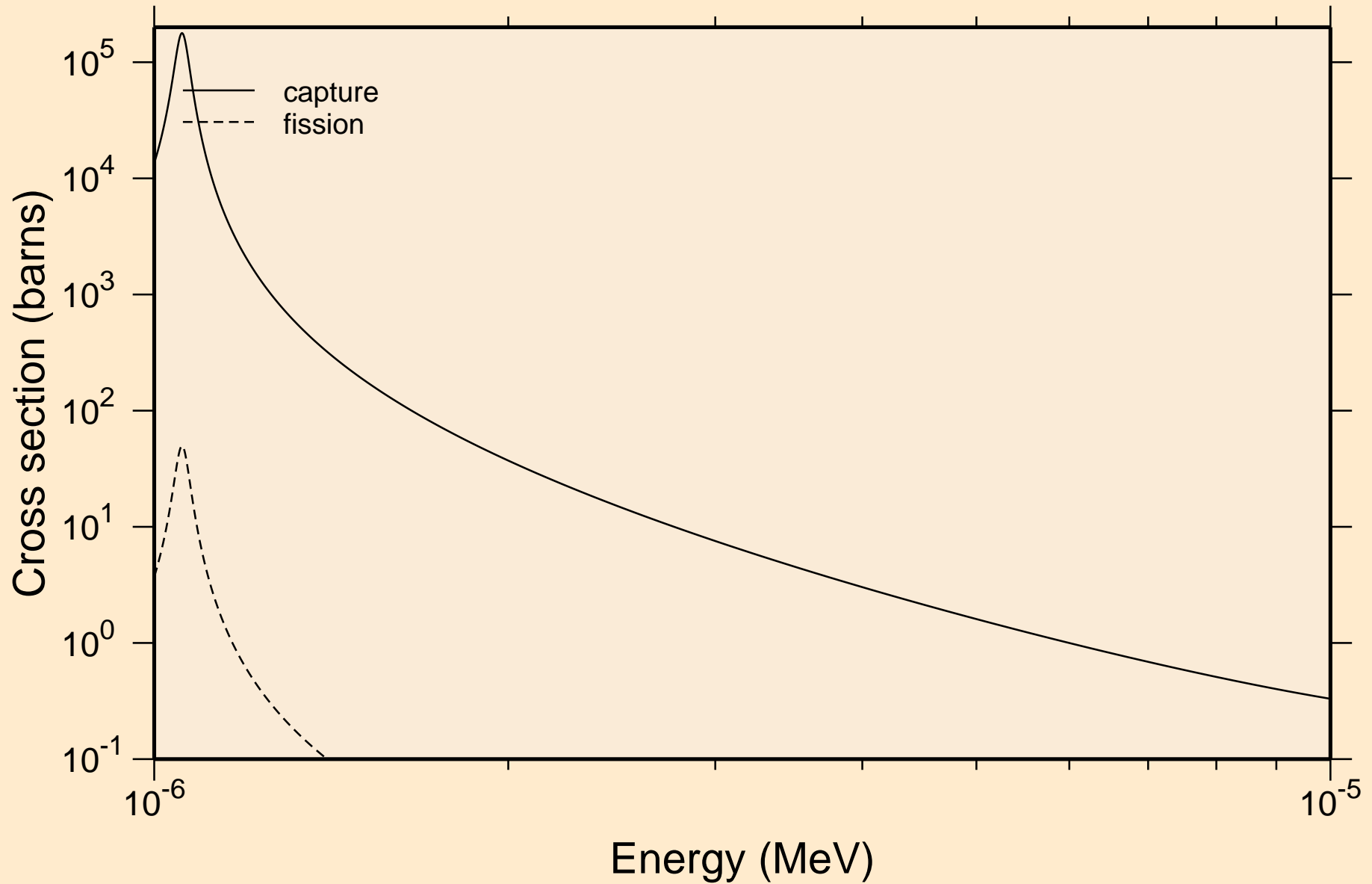


PU240 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

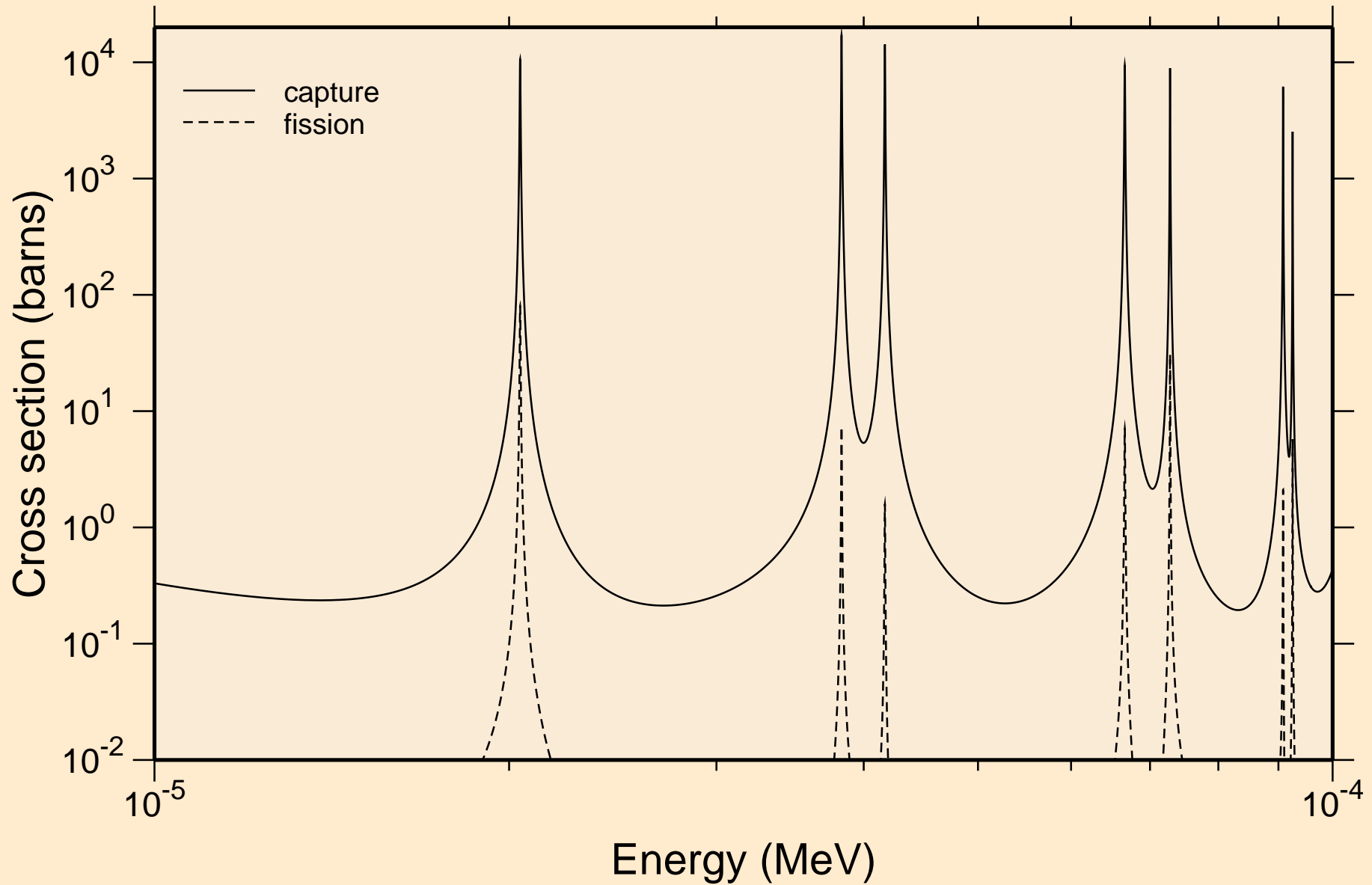




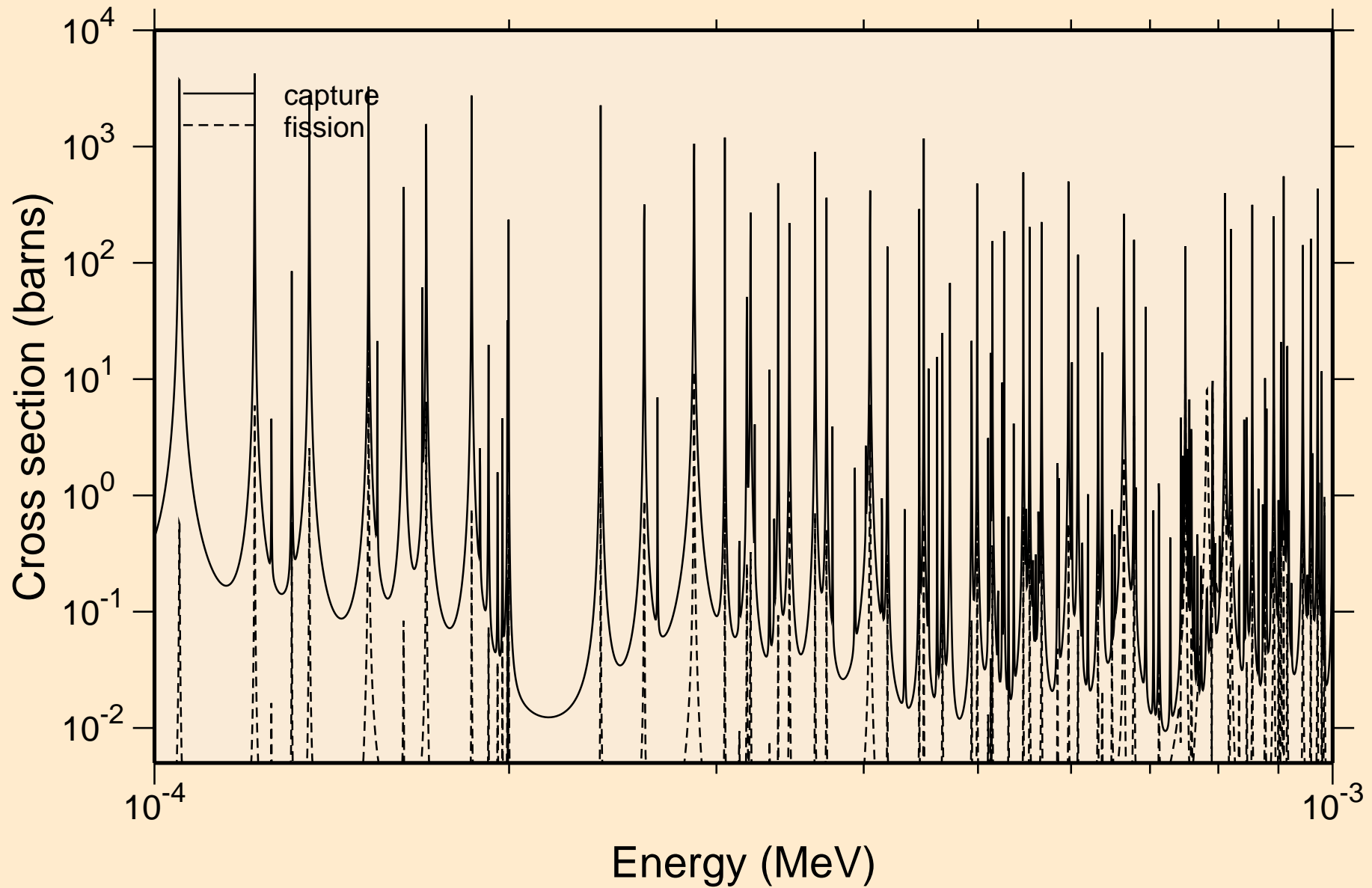
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resonance absorption cross sections



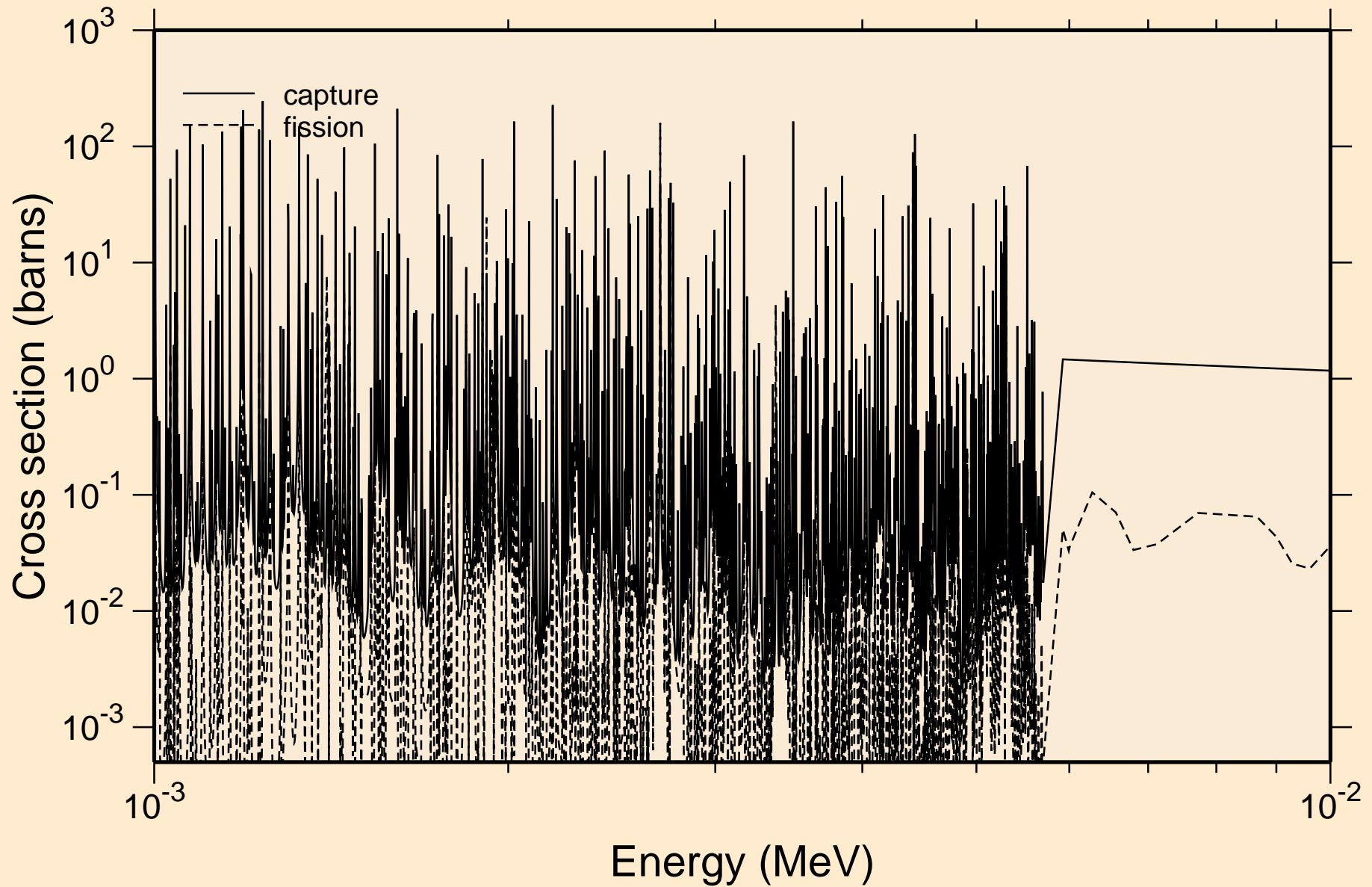
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resonance absorption cross sections



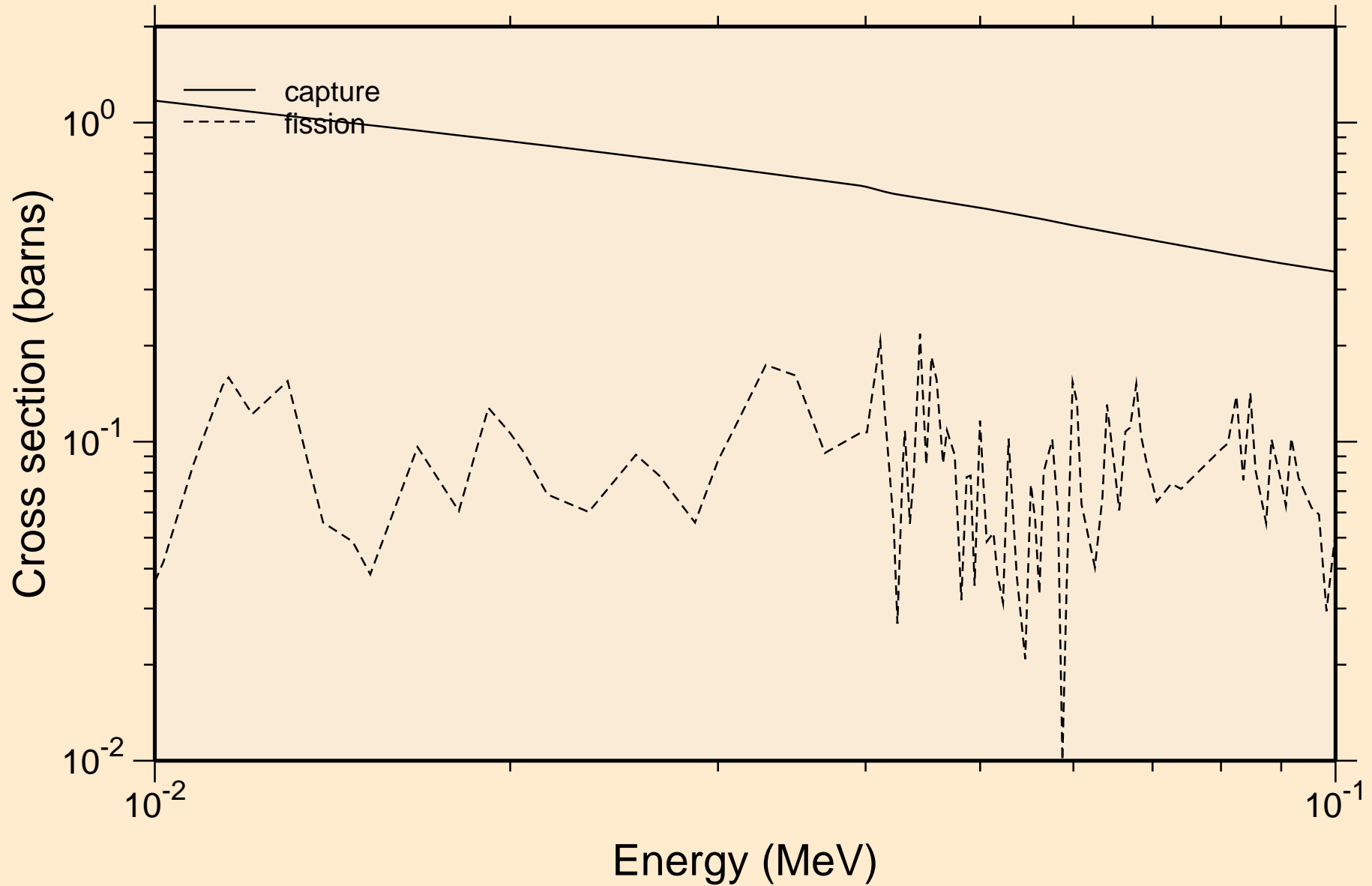
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resonance absorption cross sections



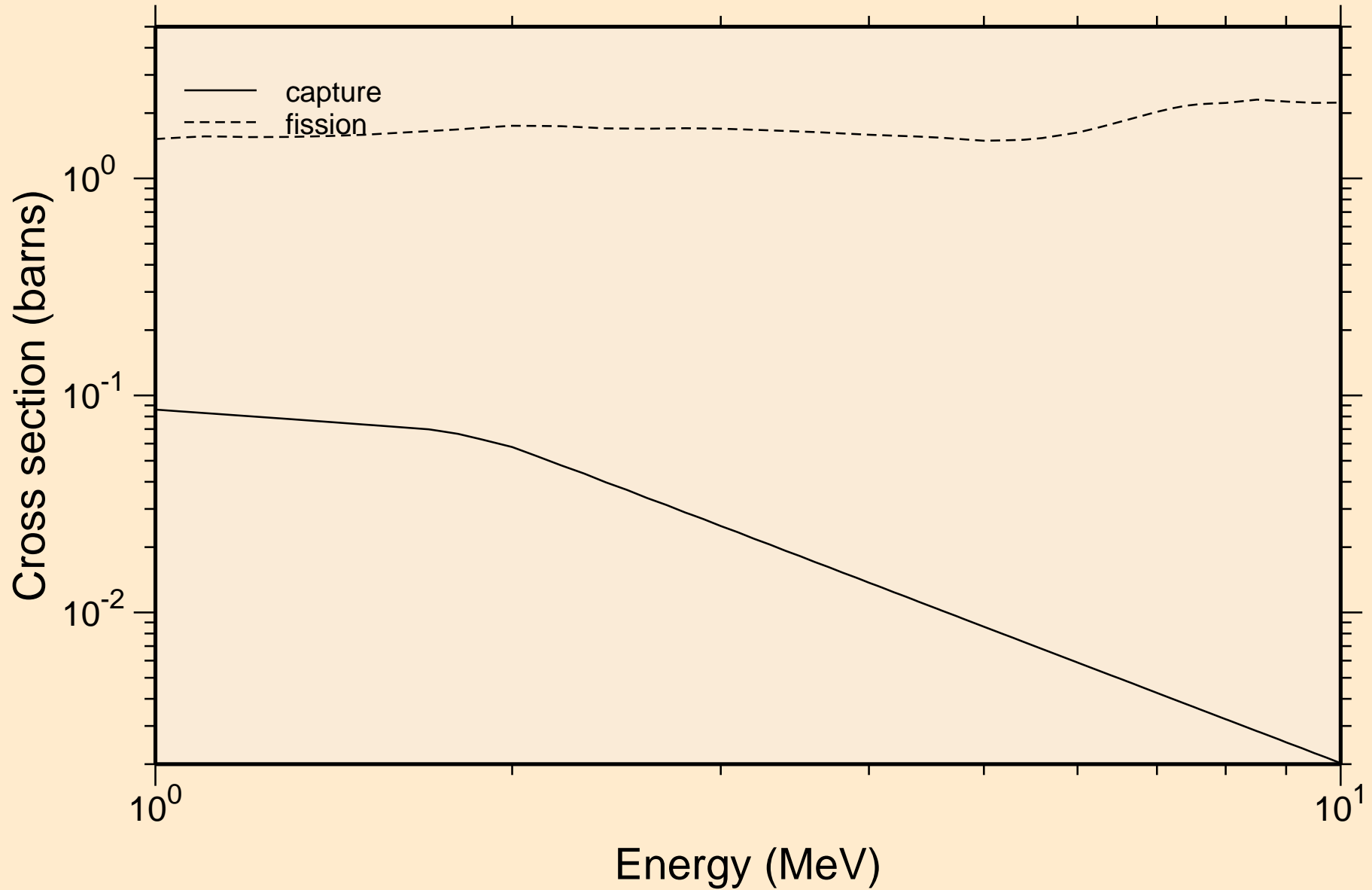
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resonance absorption cross sections



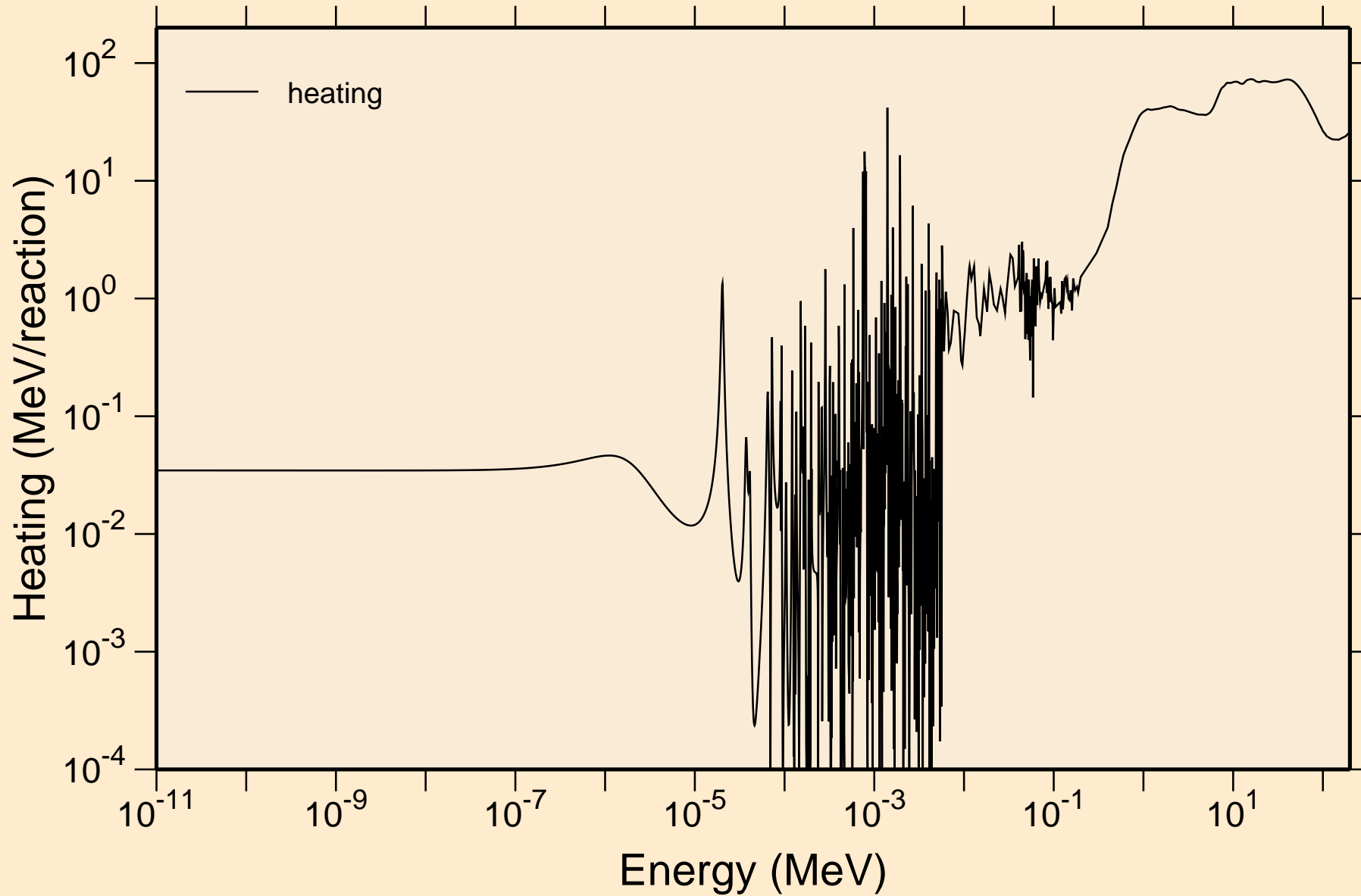
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resonance absorption cross sections



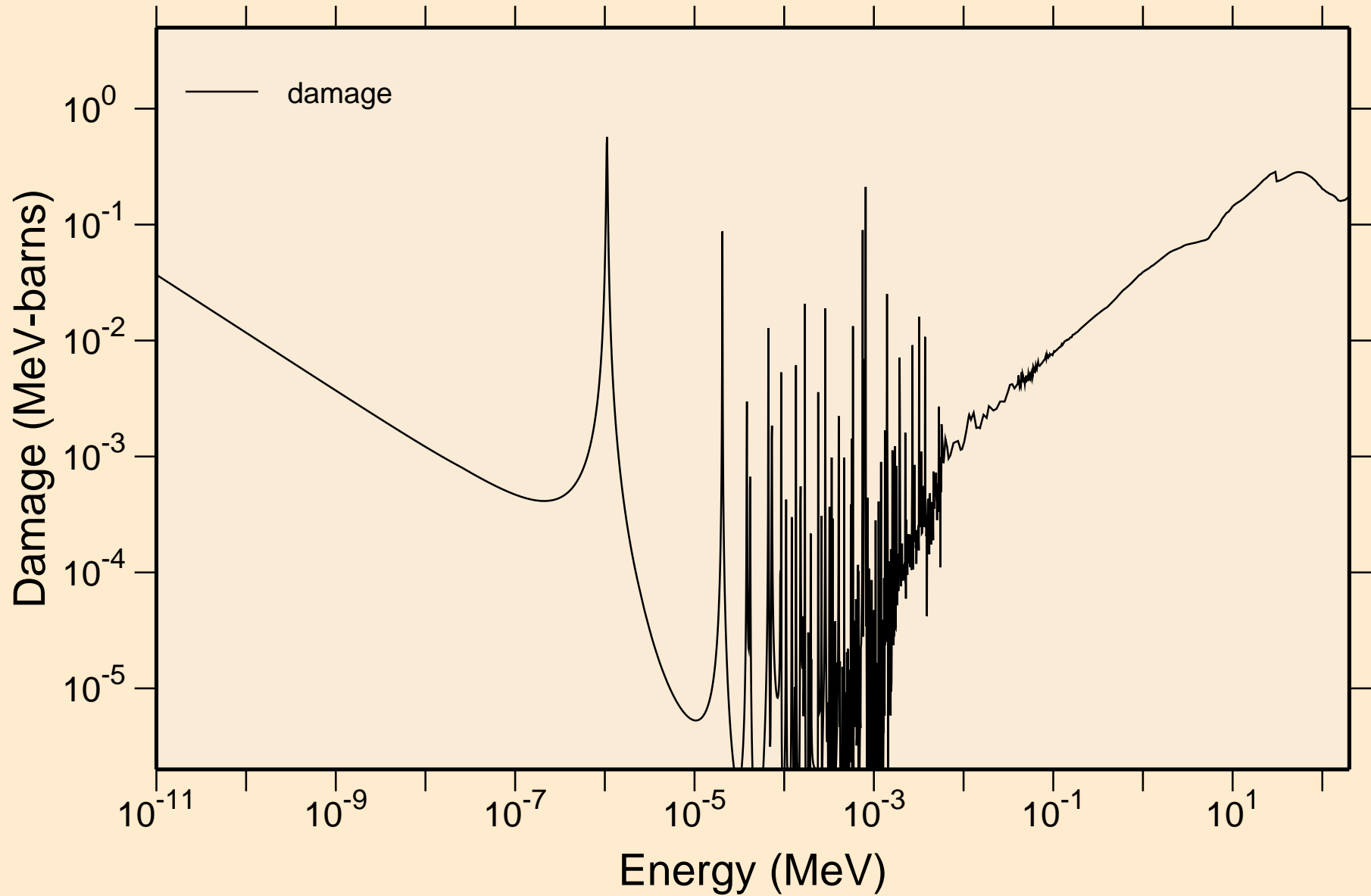
PU240 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



PU240 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Heating

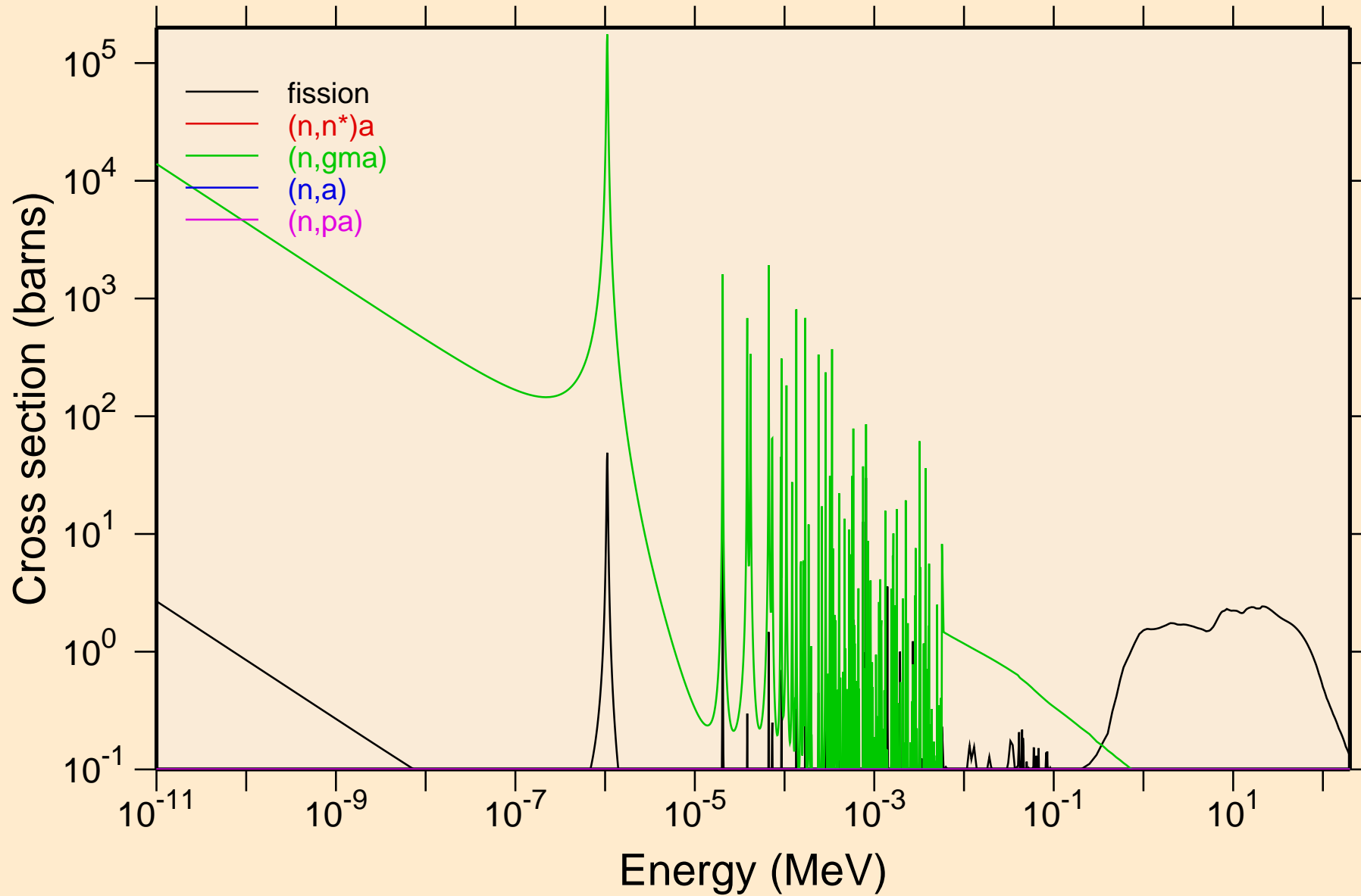


PU240 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Damage

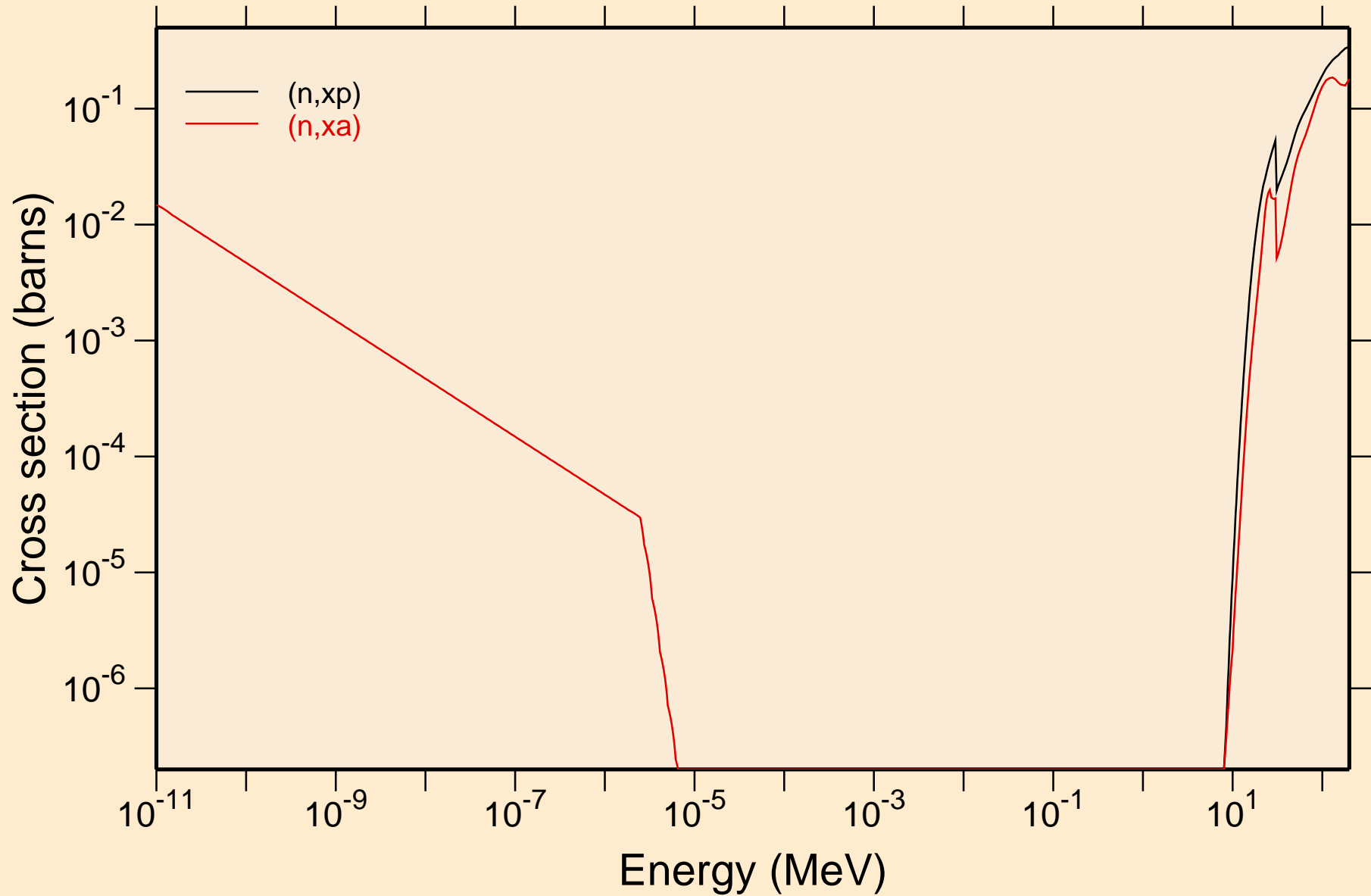




PU240 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

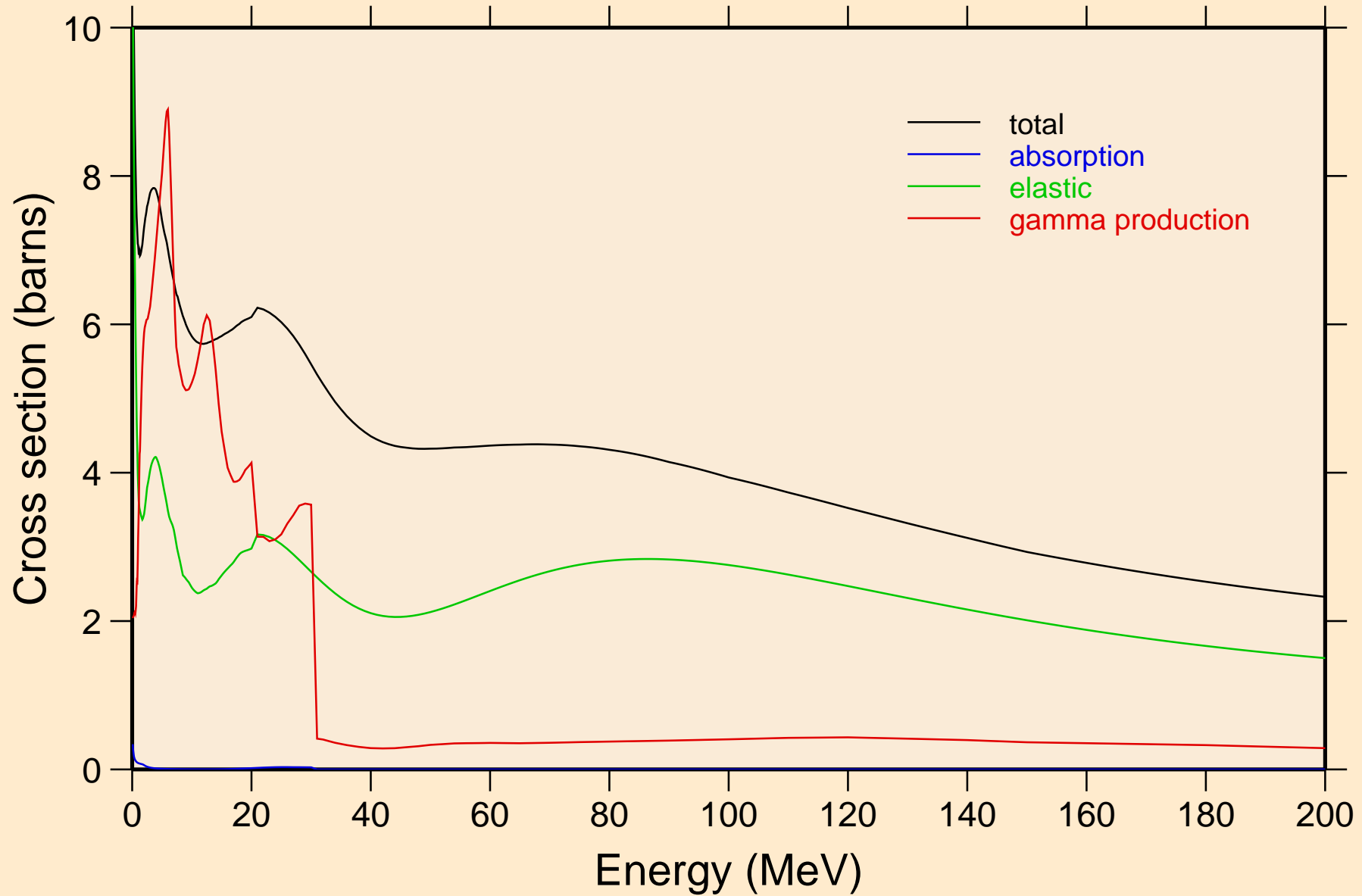


PU240 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



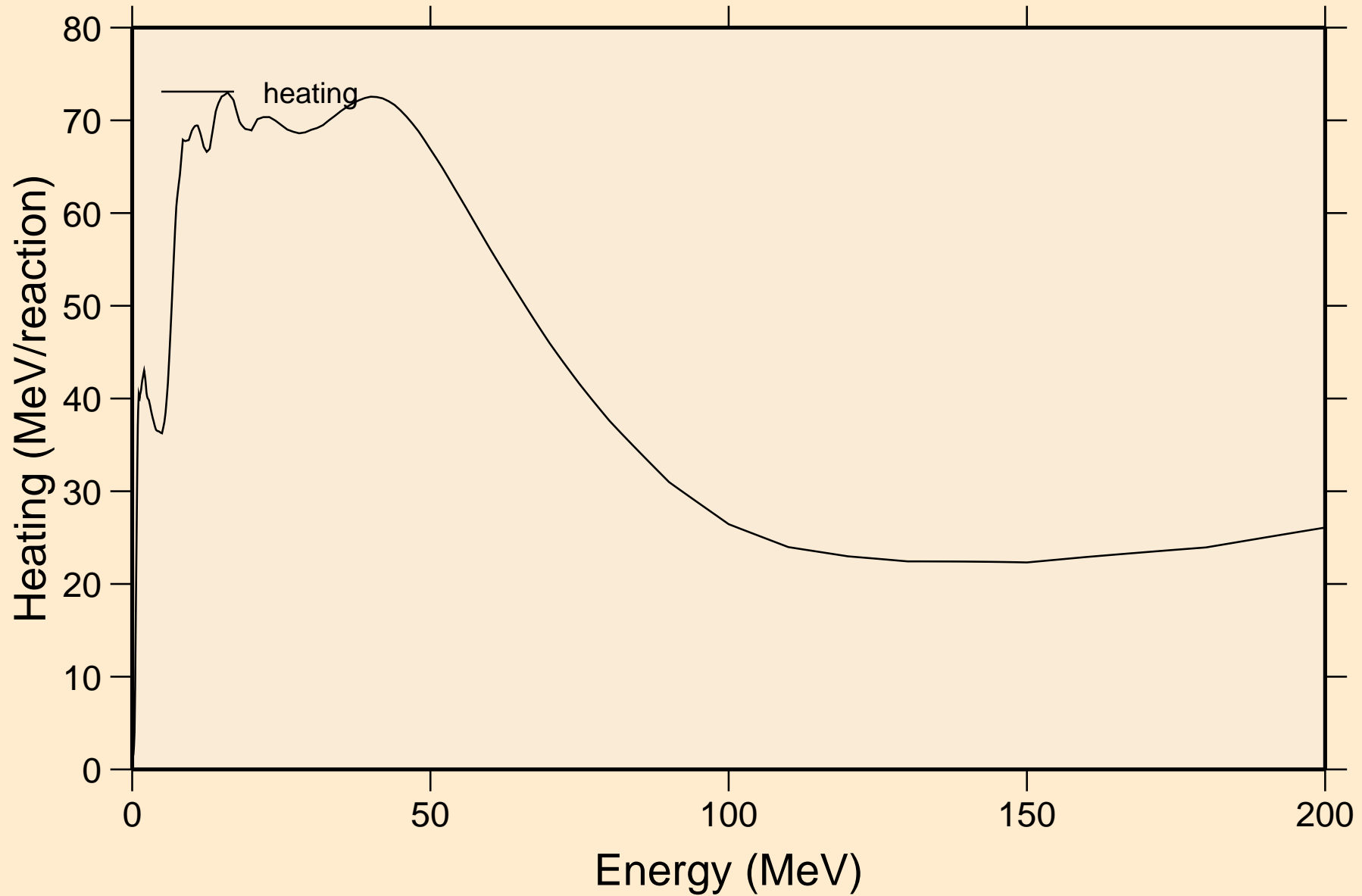
# PU240 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections

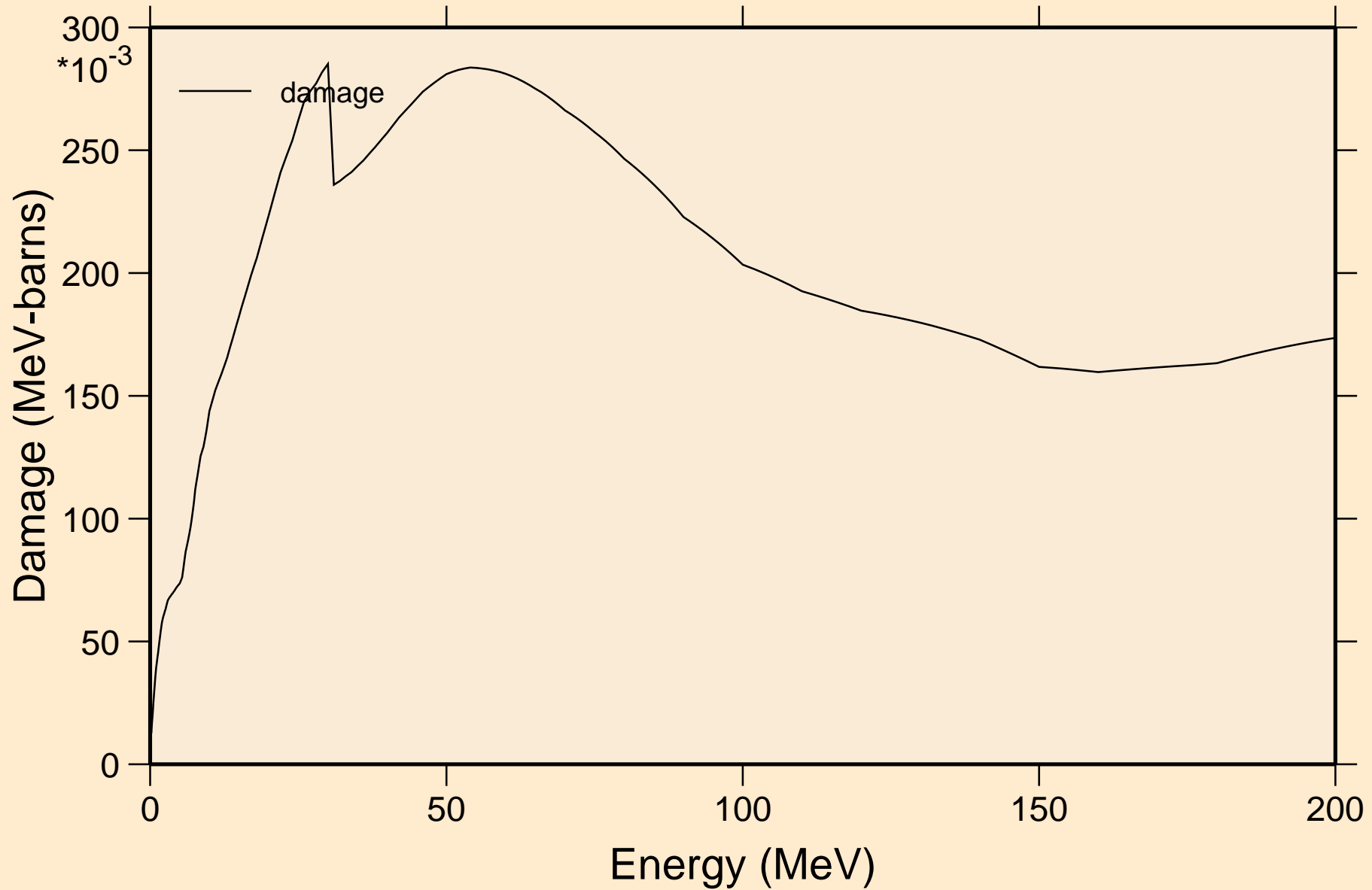


# PU240 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

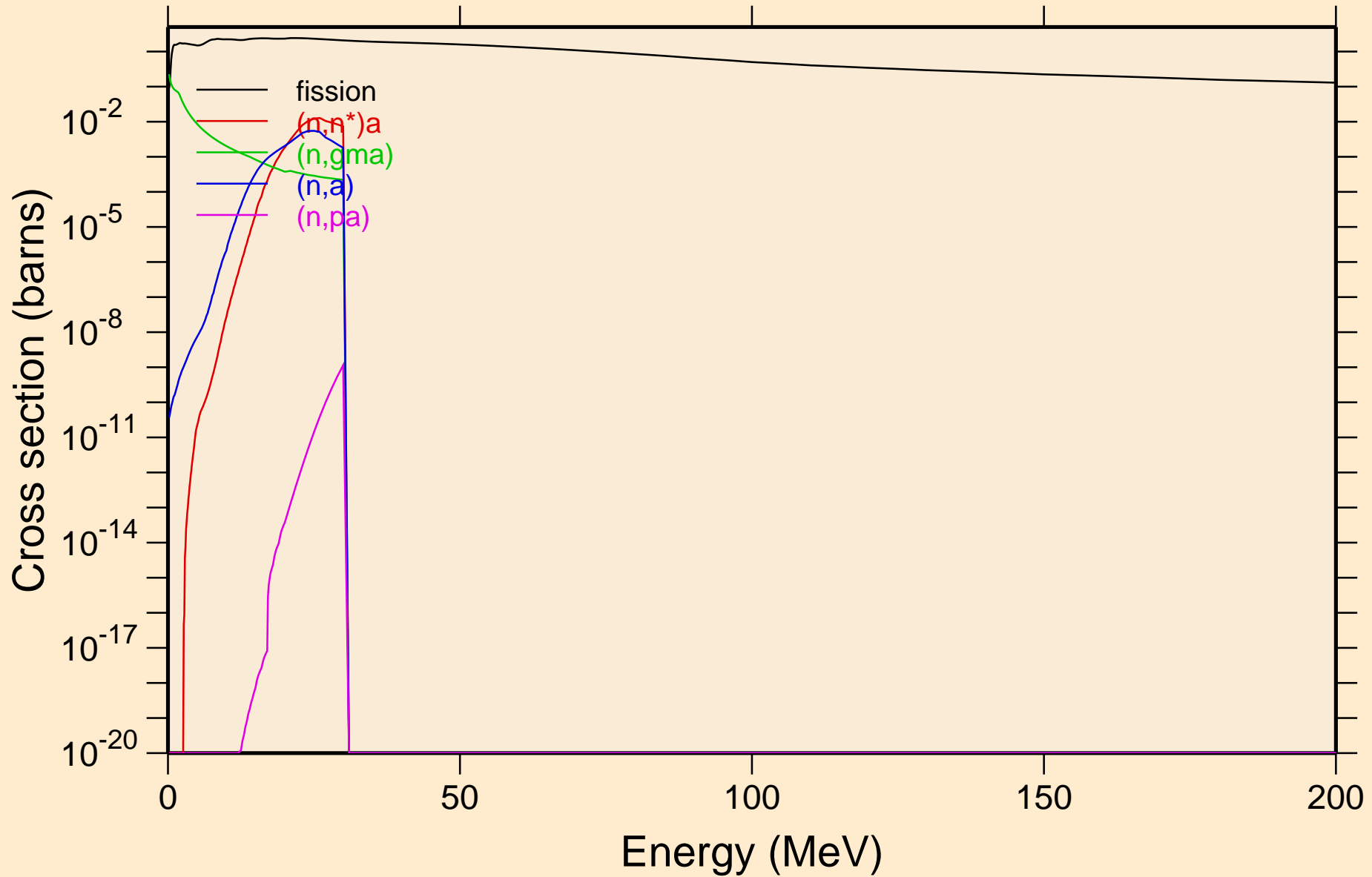
## Heating



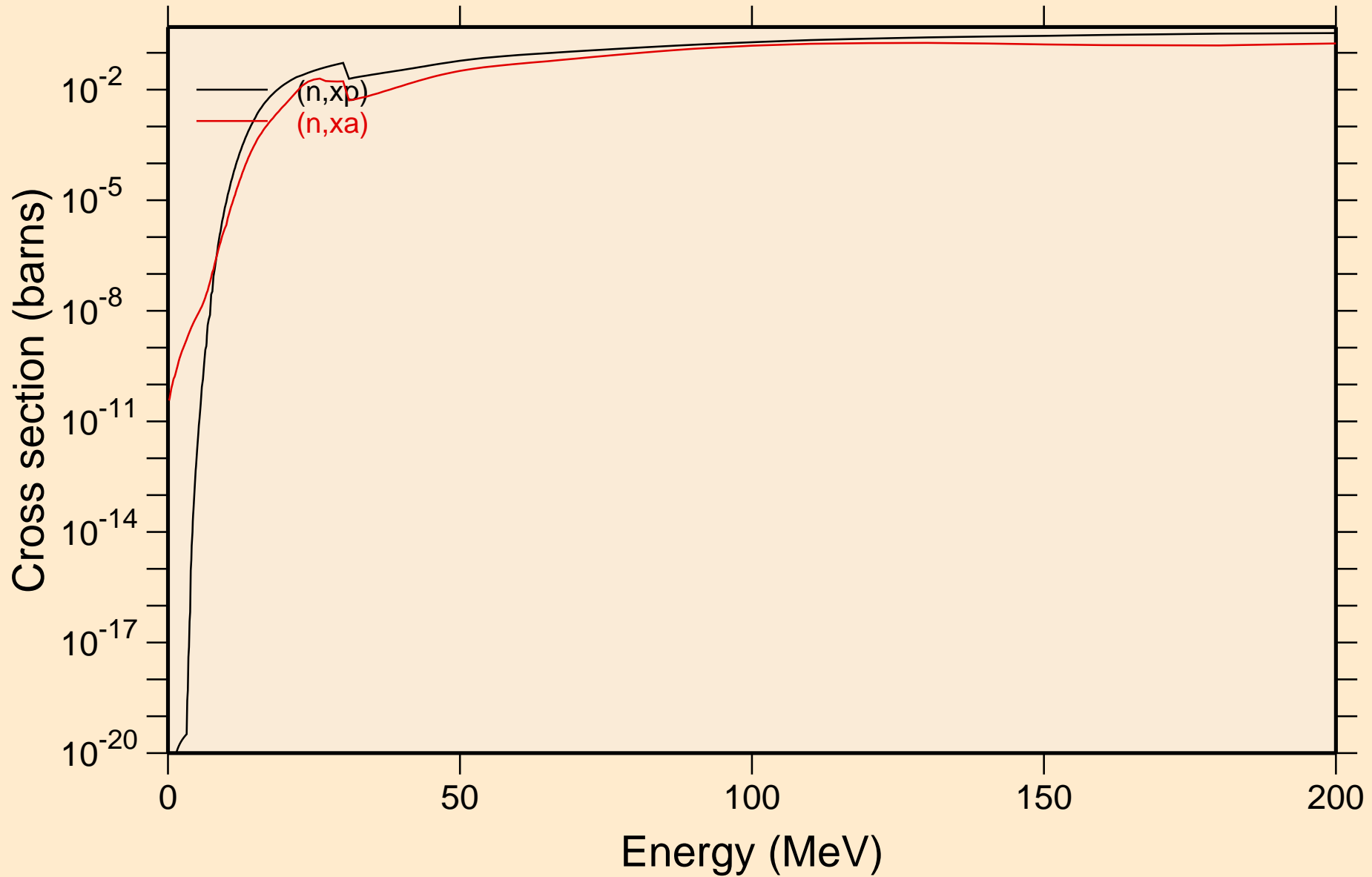
PU240 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Damage



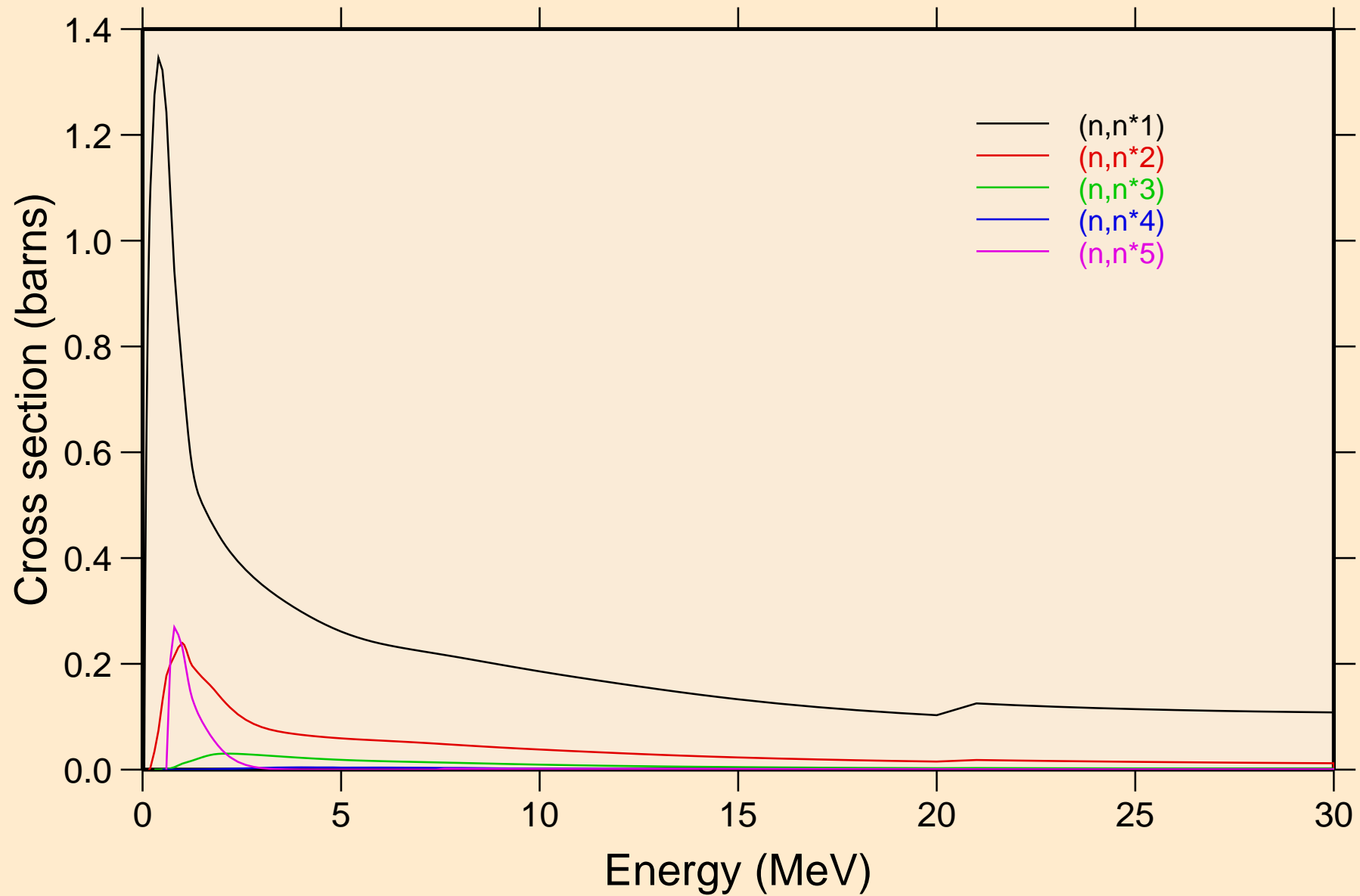
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Non-threshold reactions



PU240 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

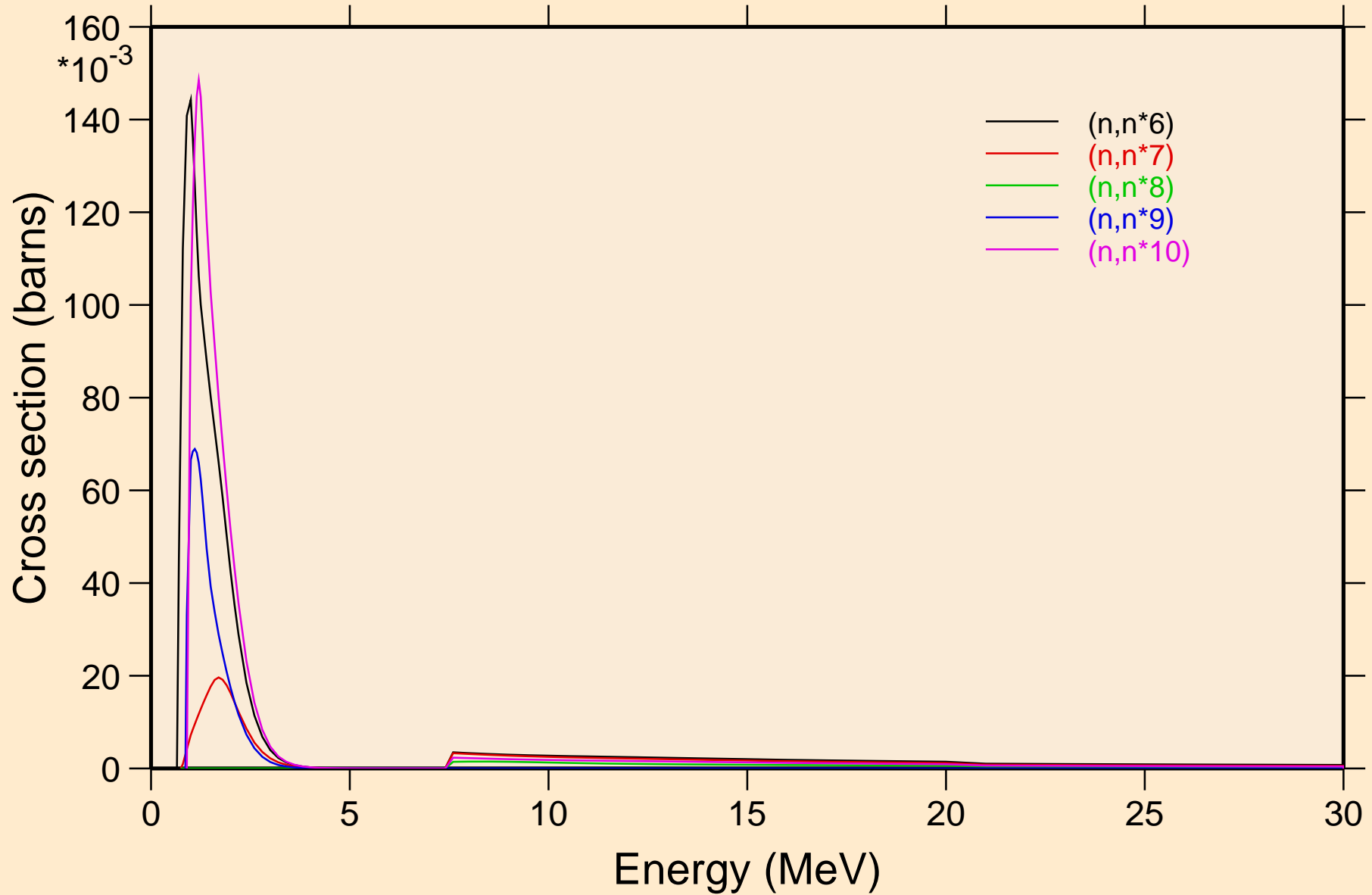


PU240 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

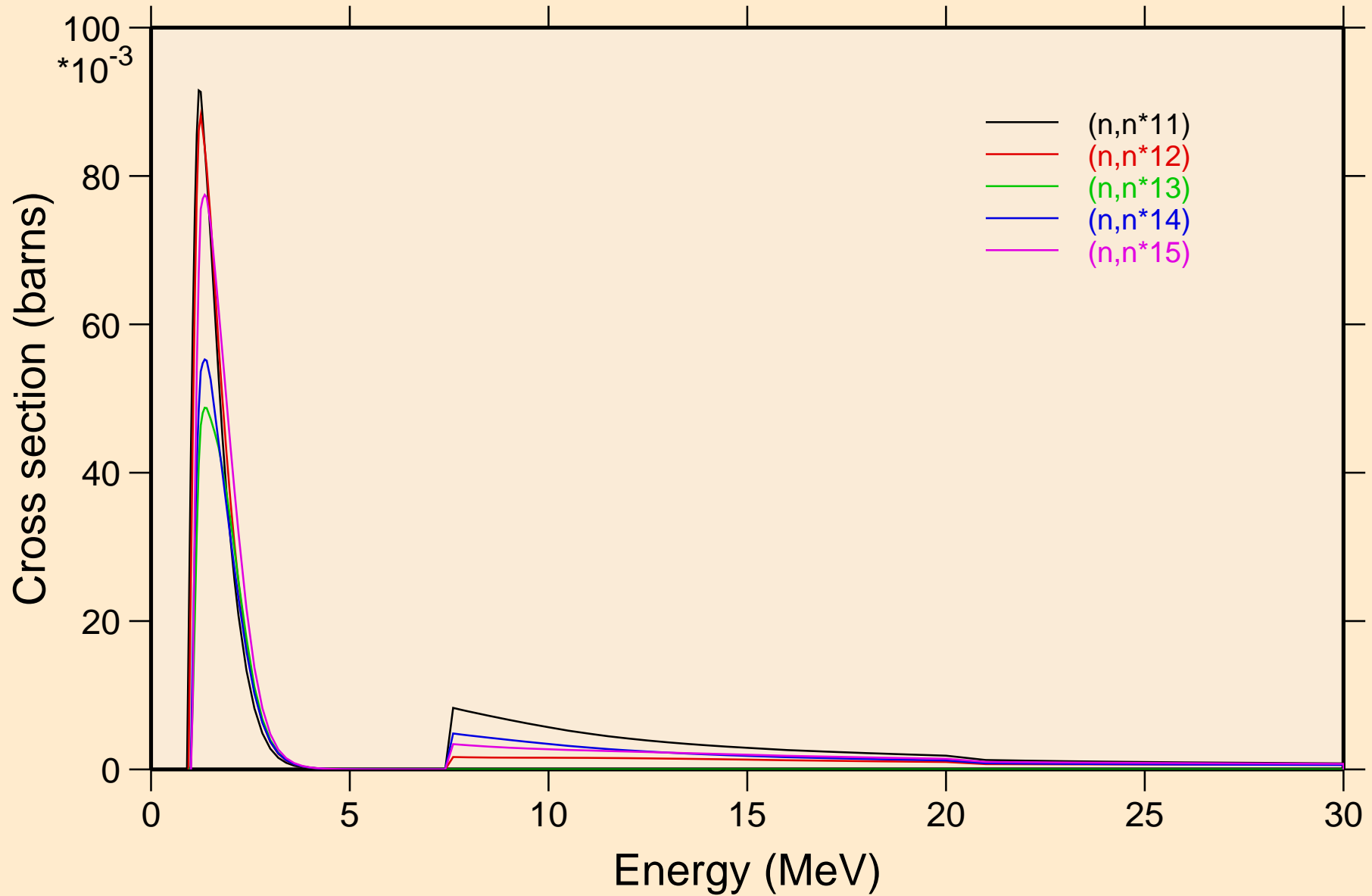




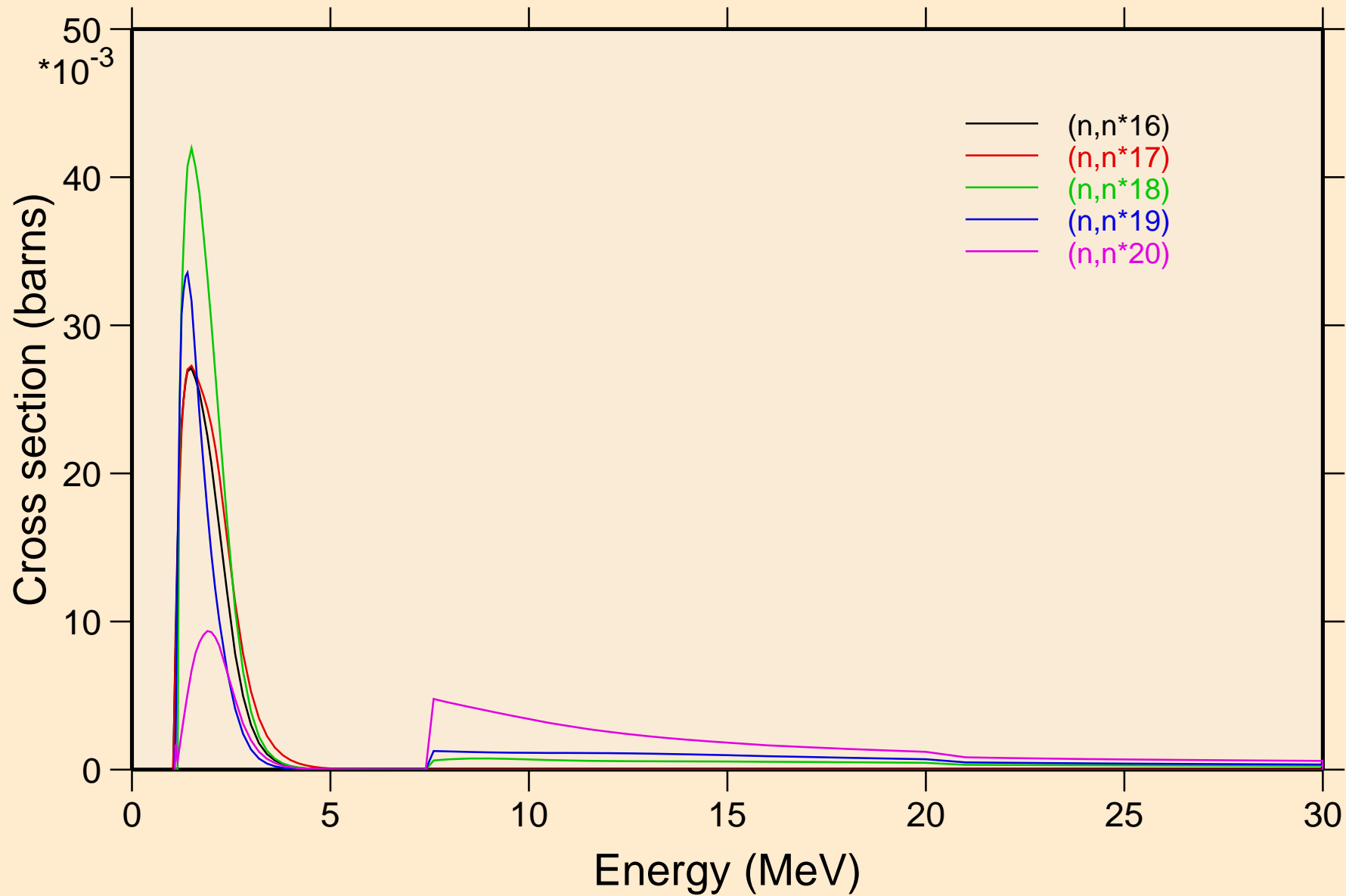
PU240 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



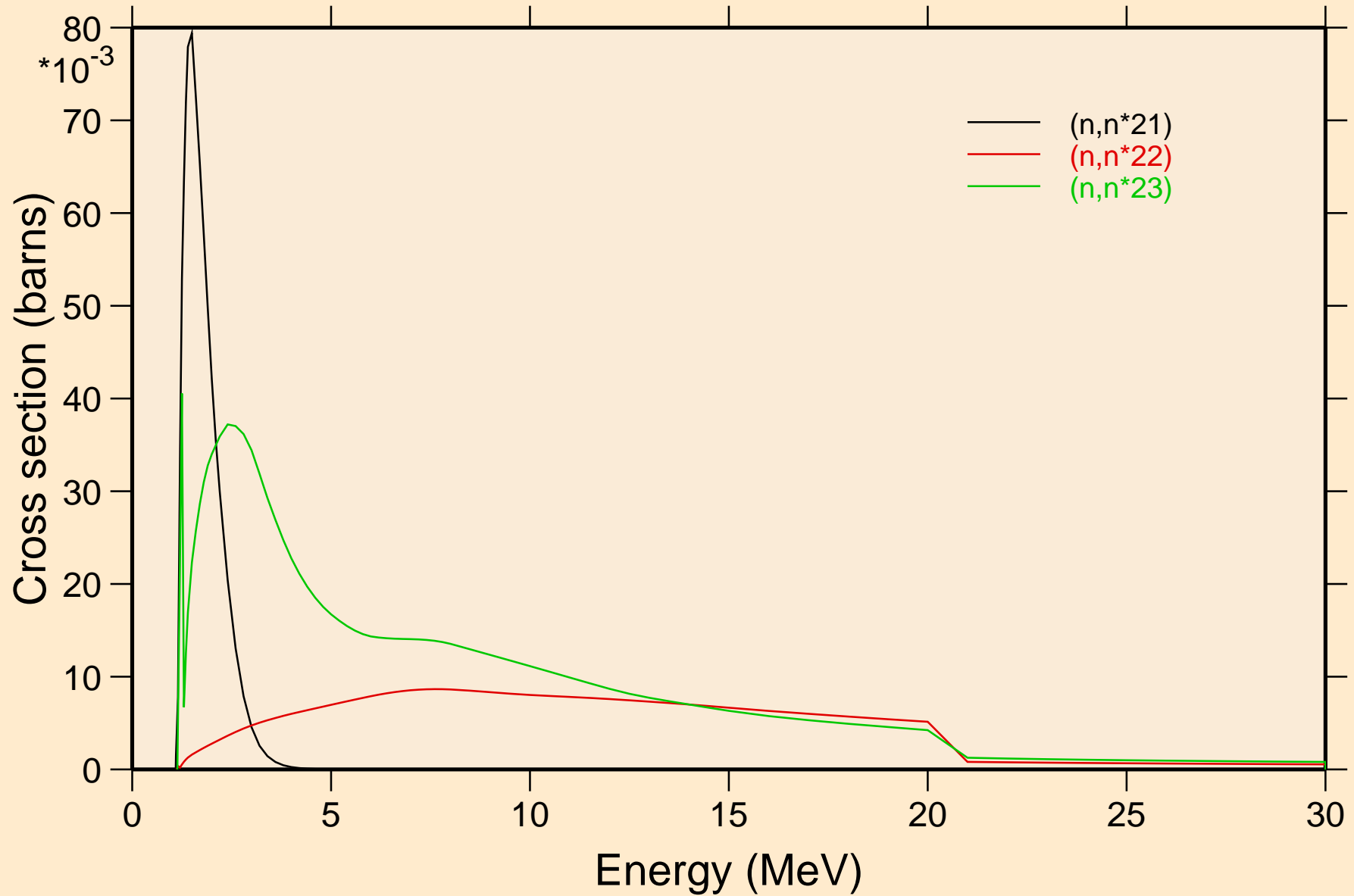
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Inelastic levels



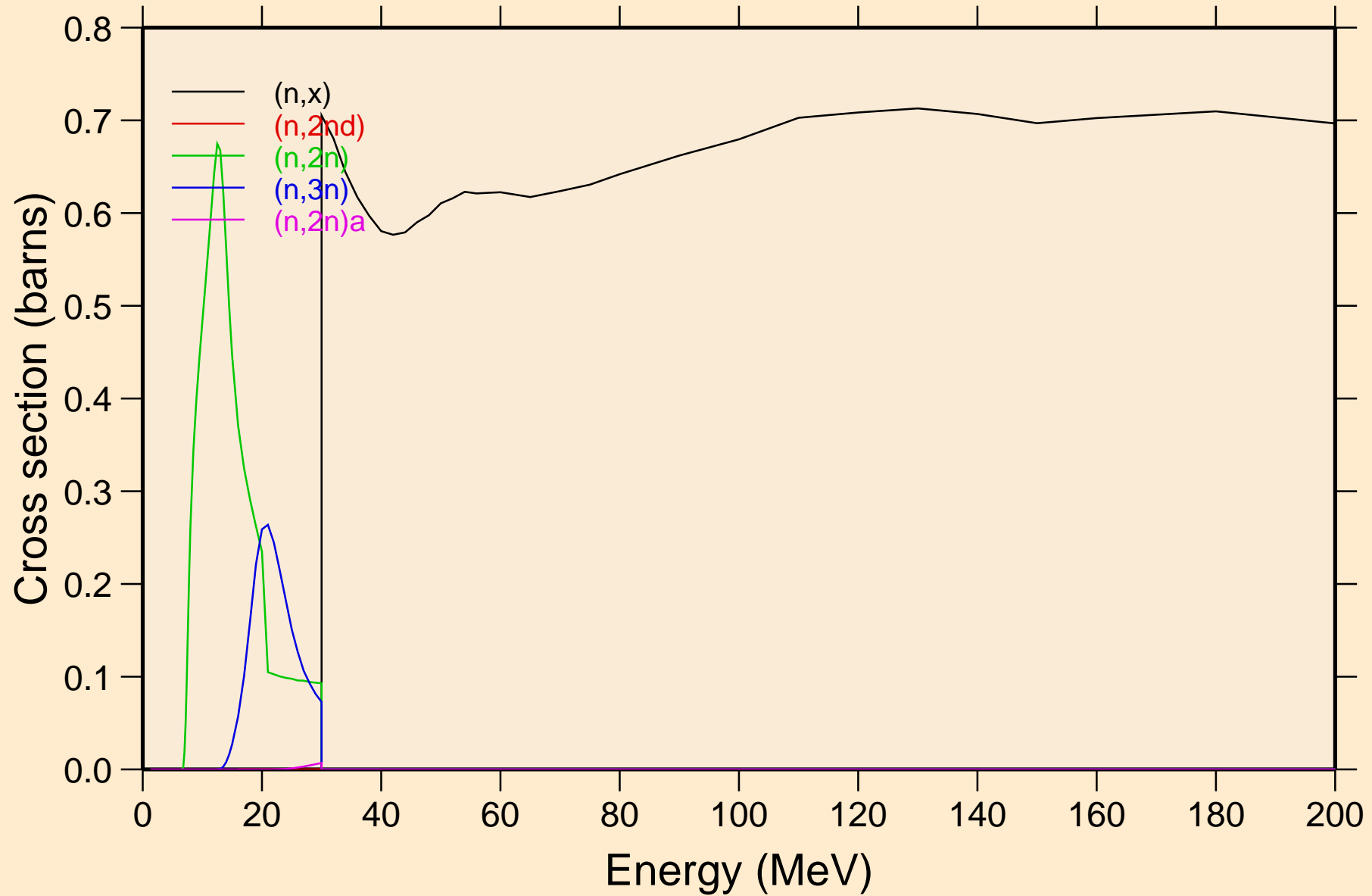
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Inelastic levels



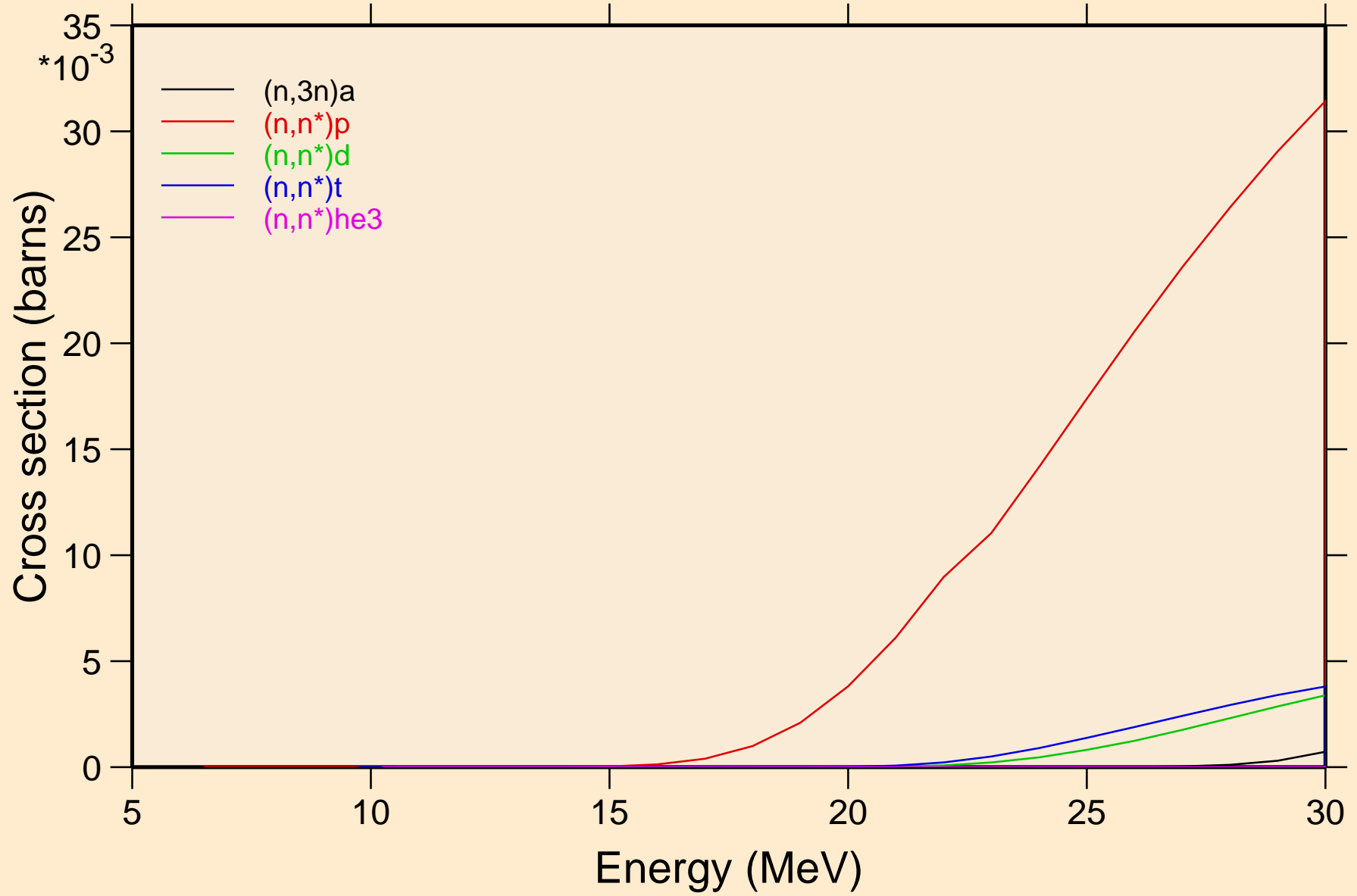
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Inelastic levels



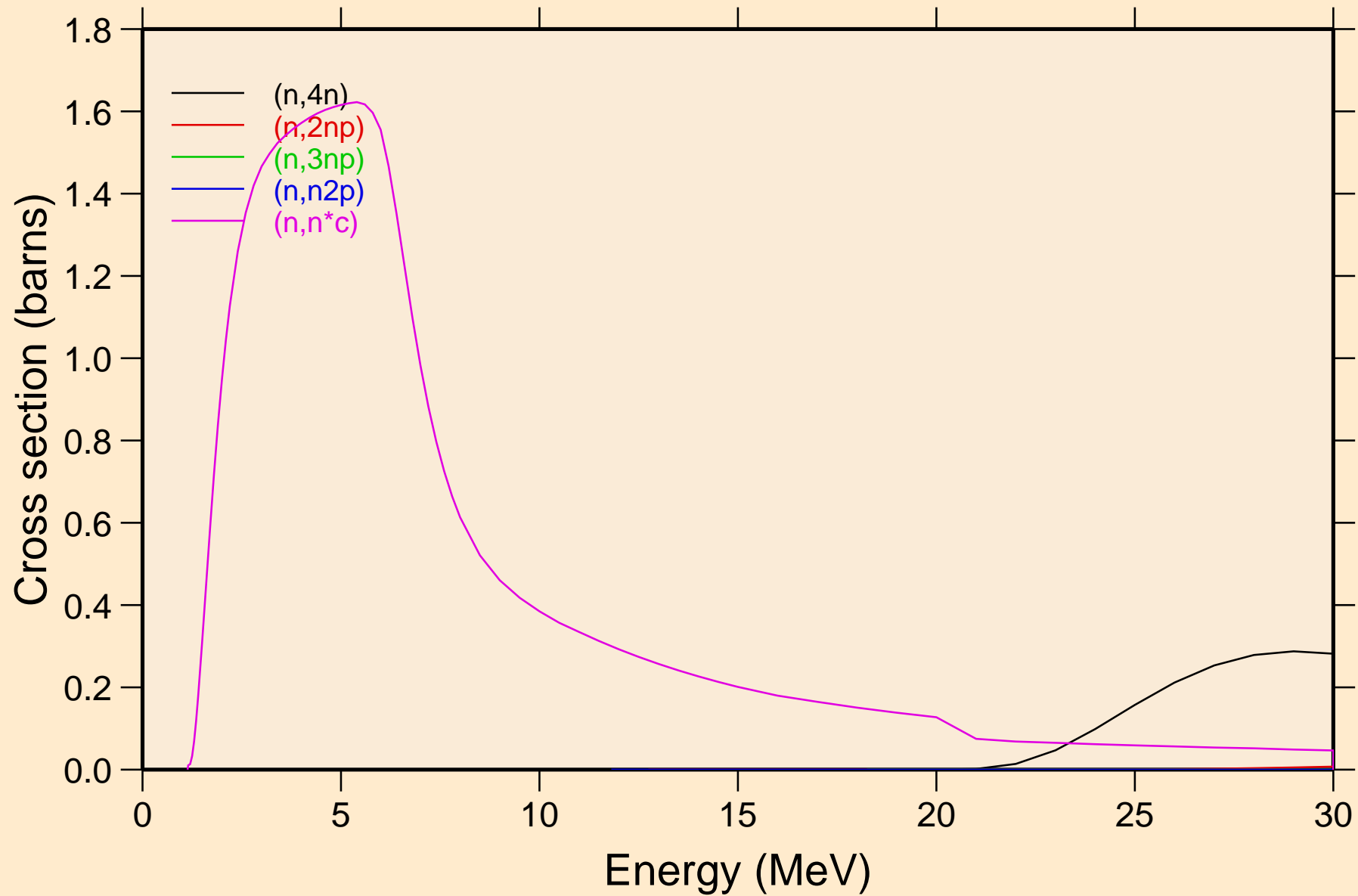
PU240 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



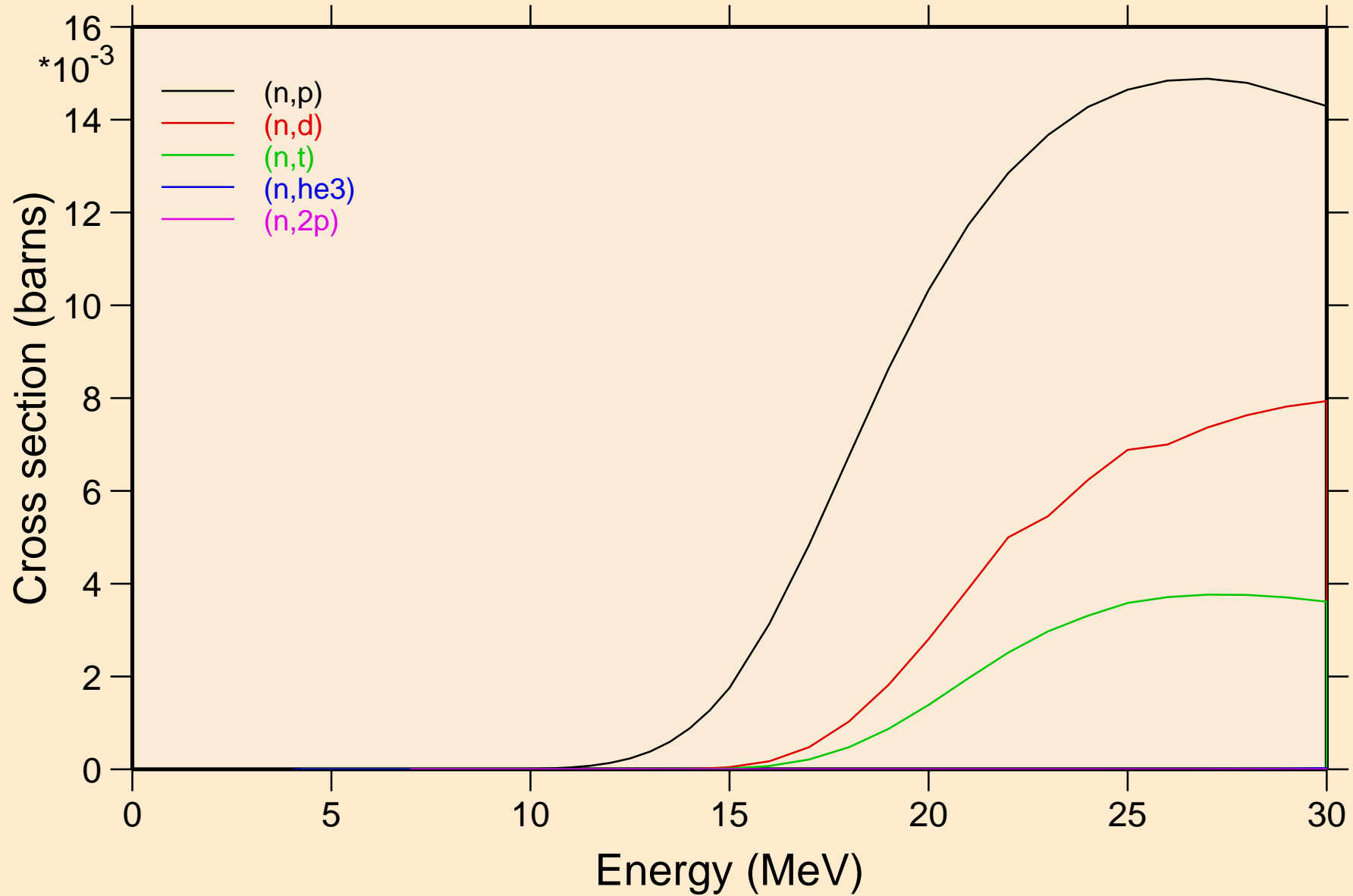
PU240 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



PU240 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

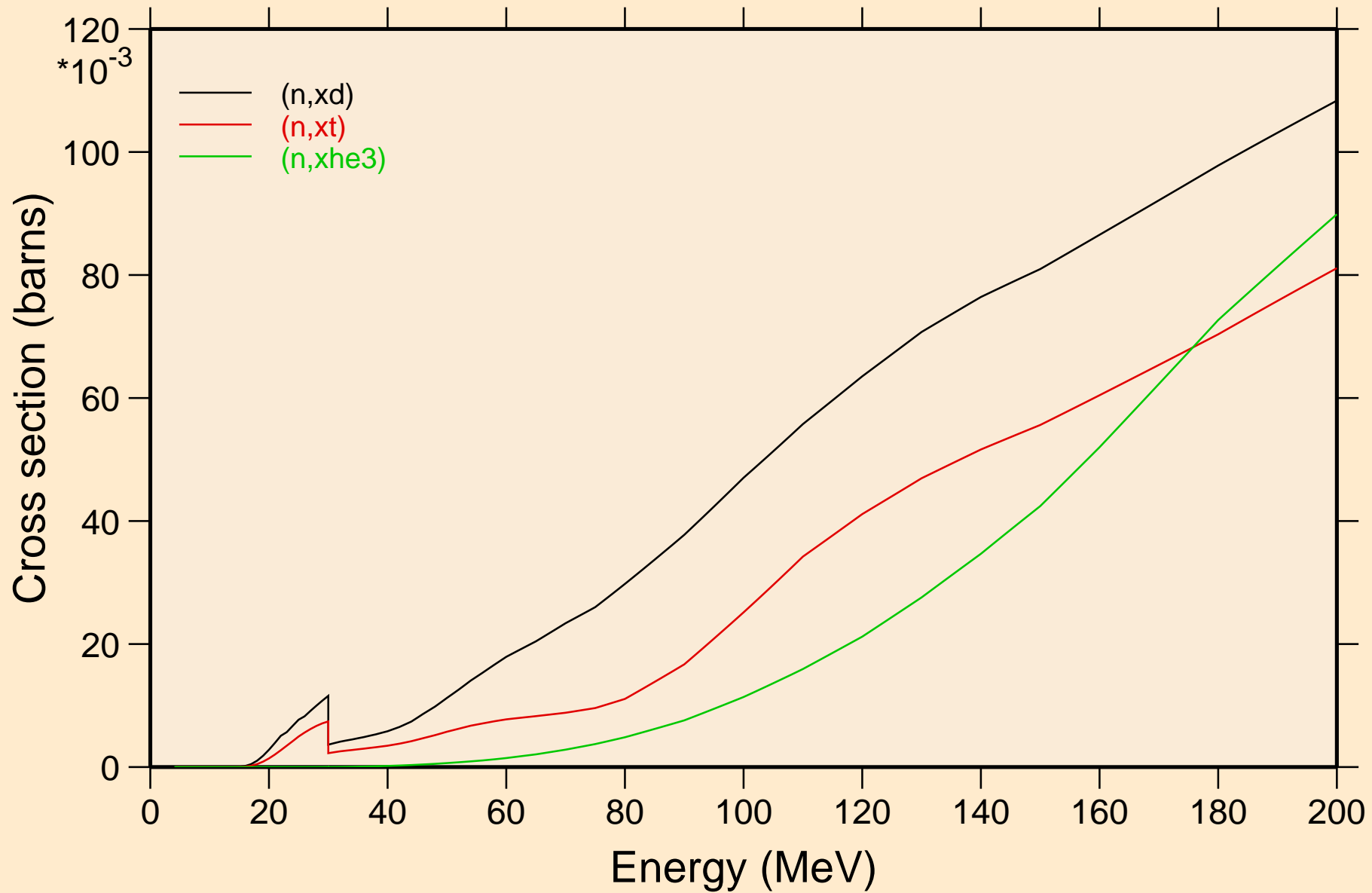


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Threshold reactions

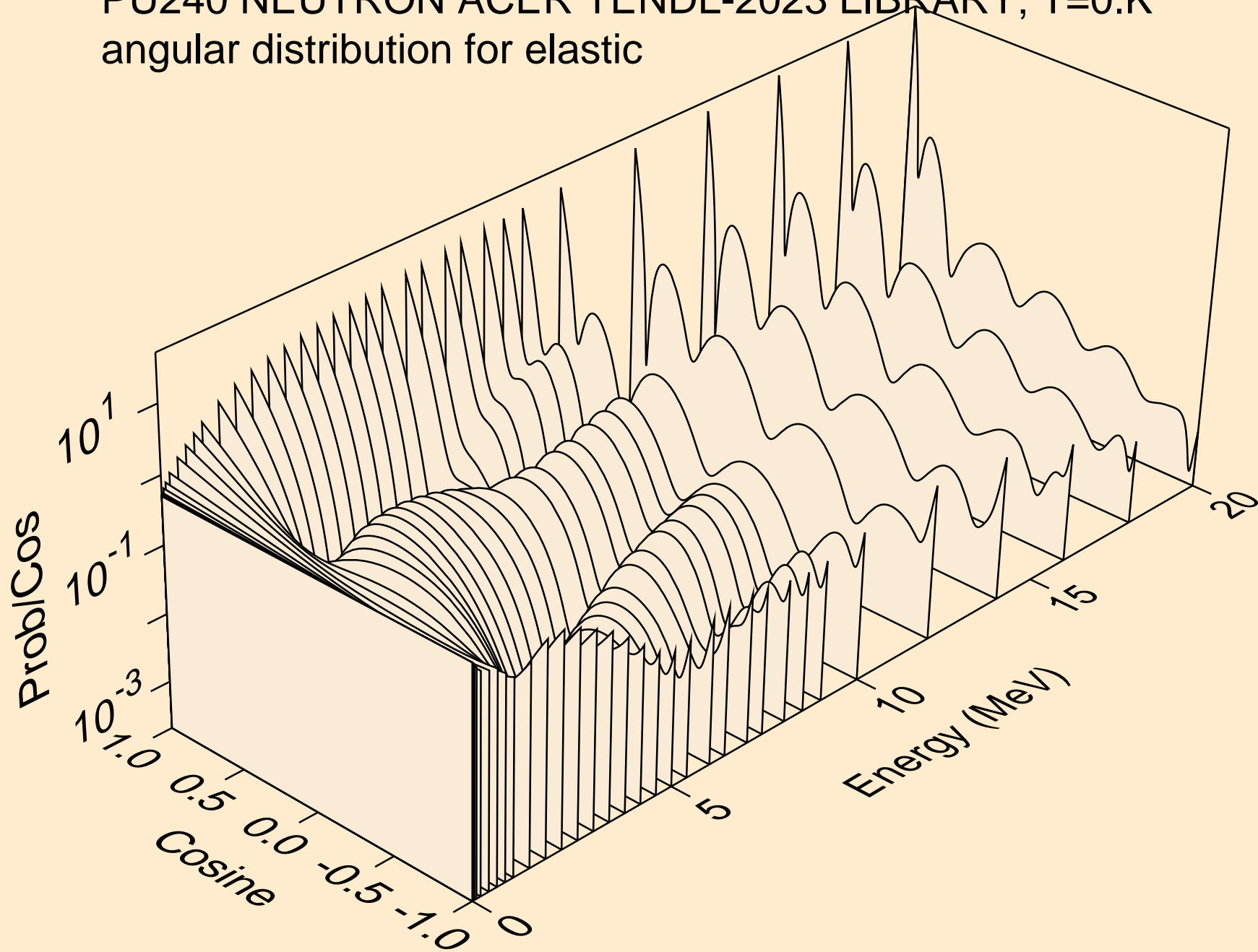




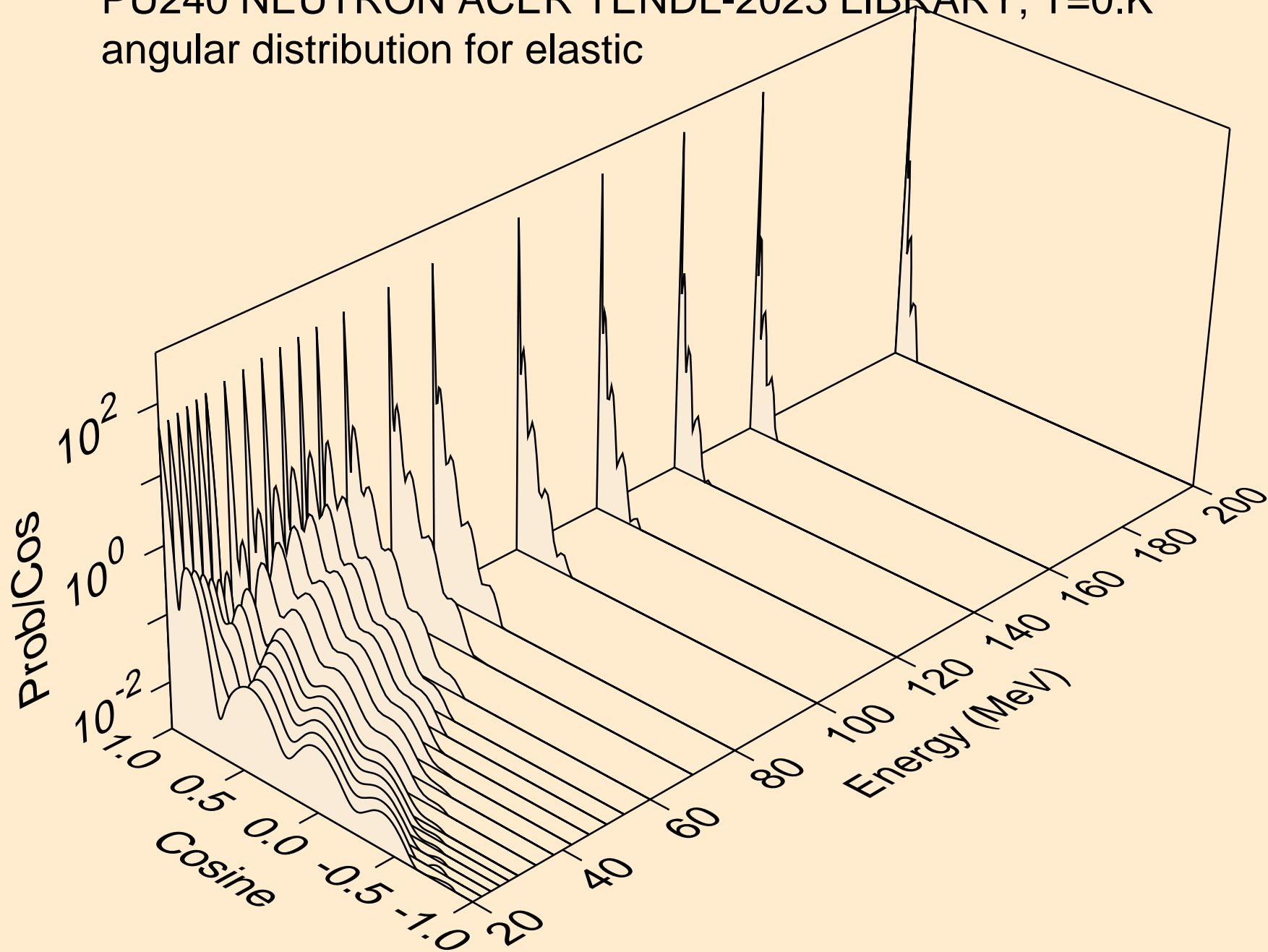
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Threshold reactions



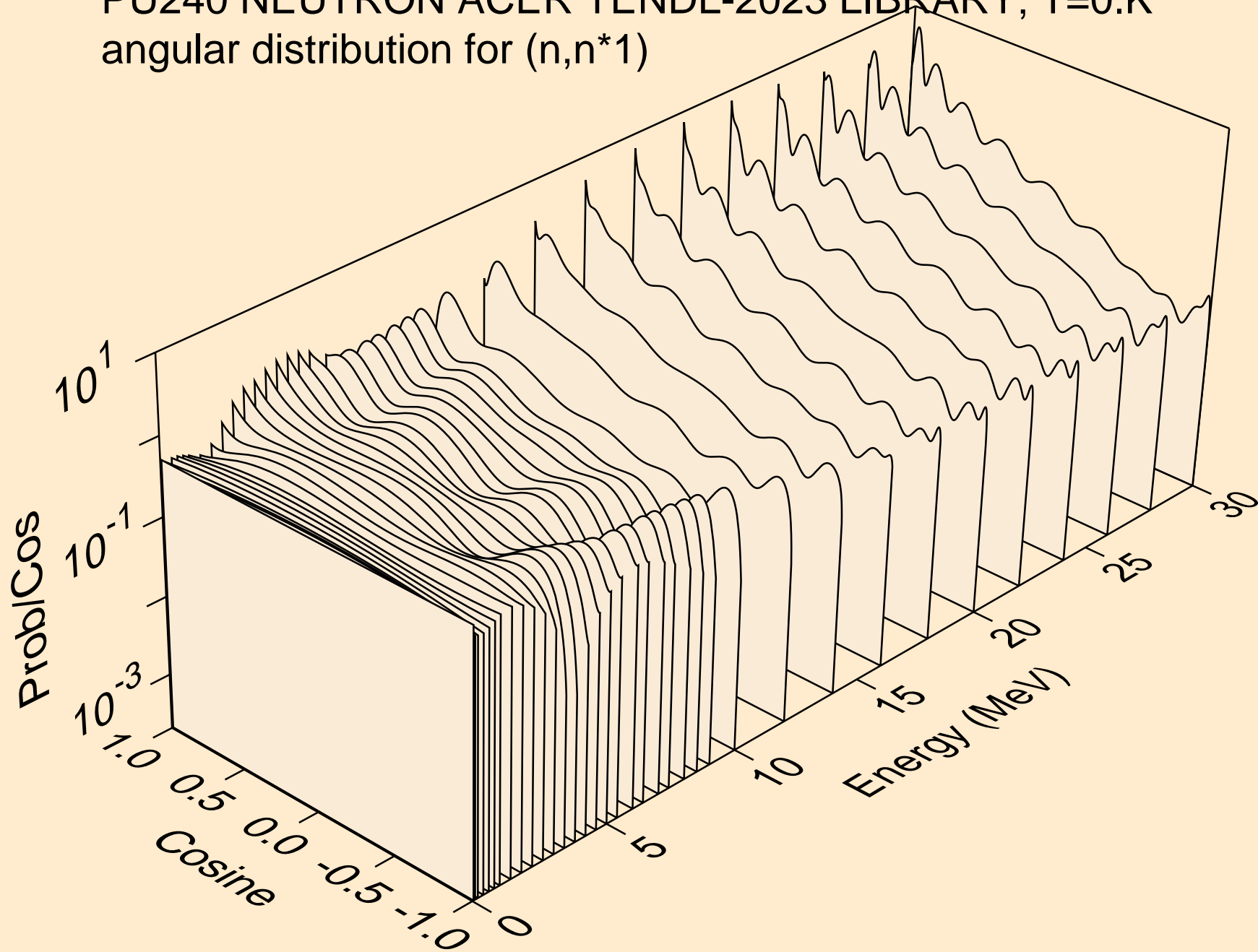
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angular distribution for elastic



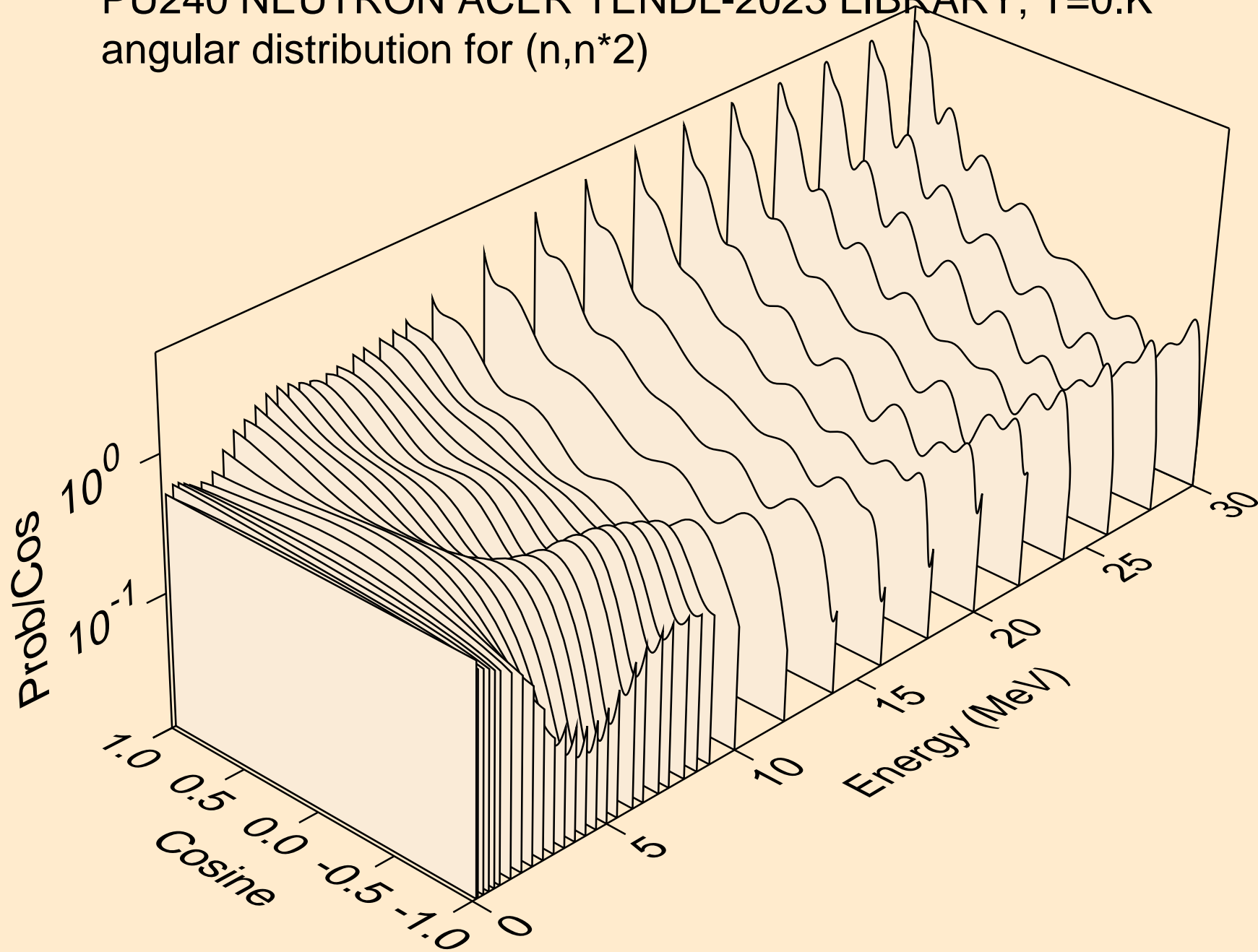
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angular distribution for elastic



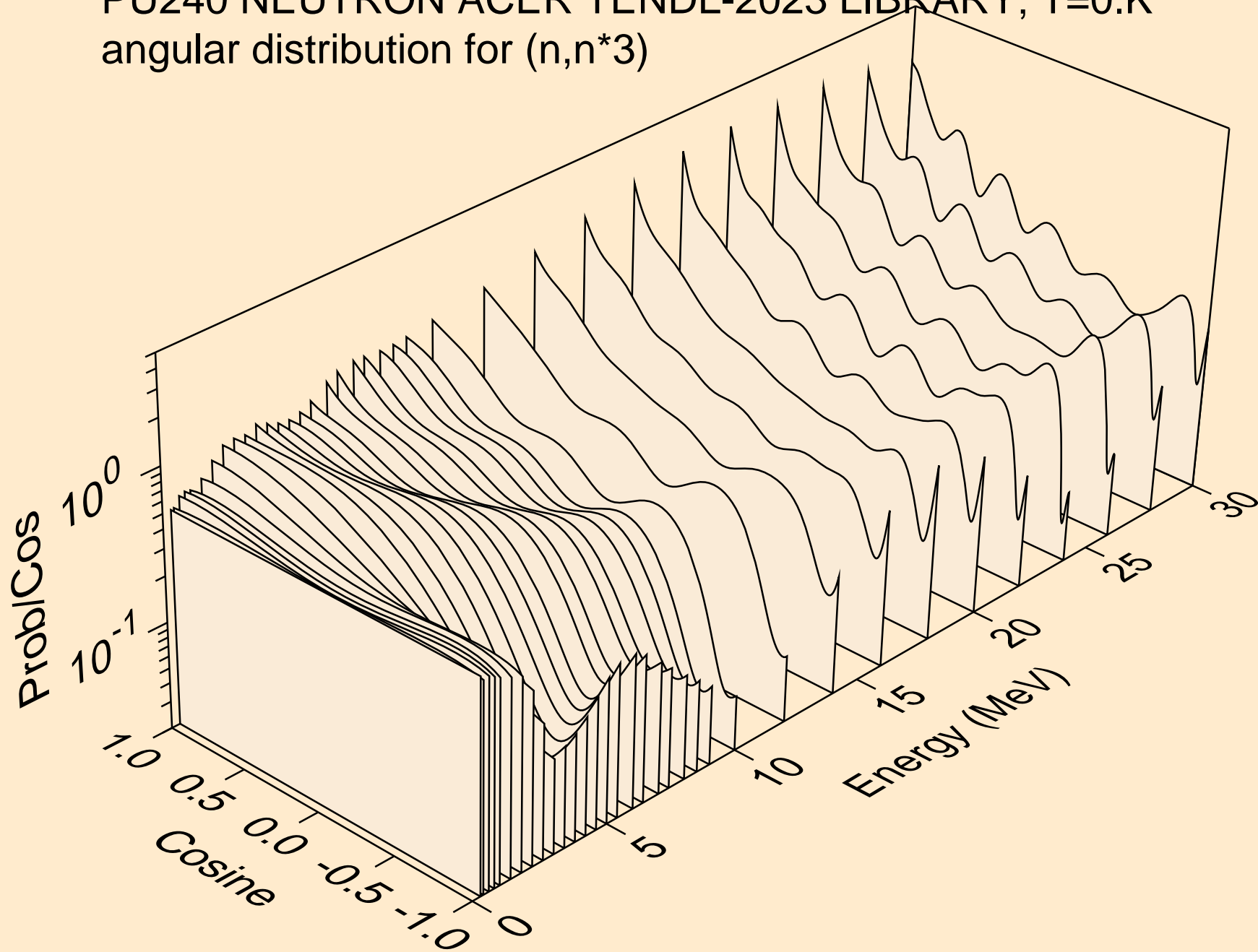
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angular distribution for (n,n\*1)



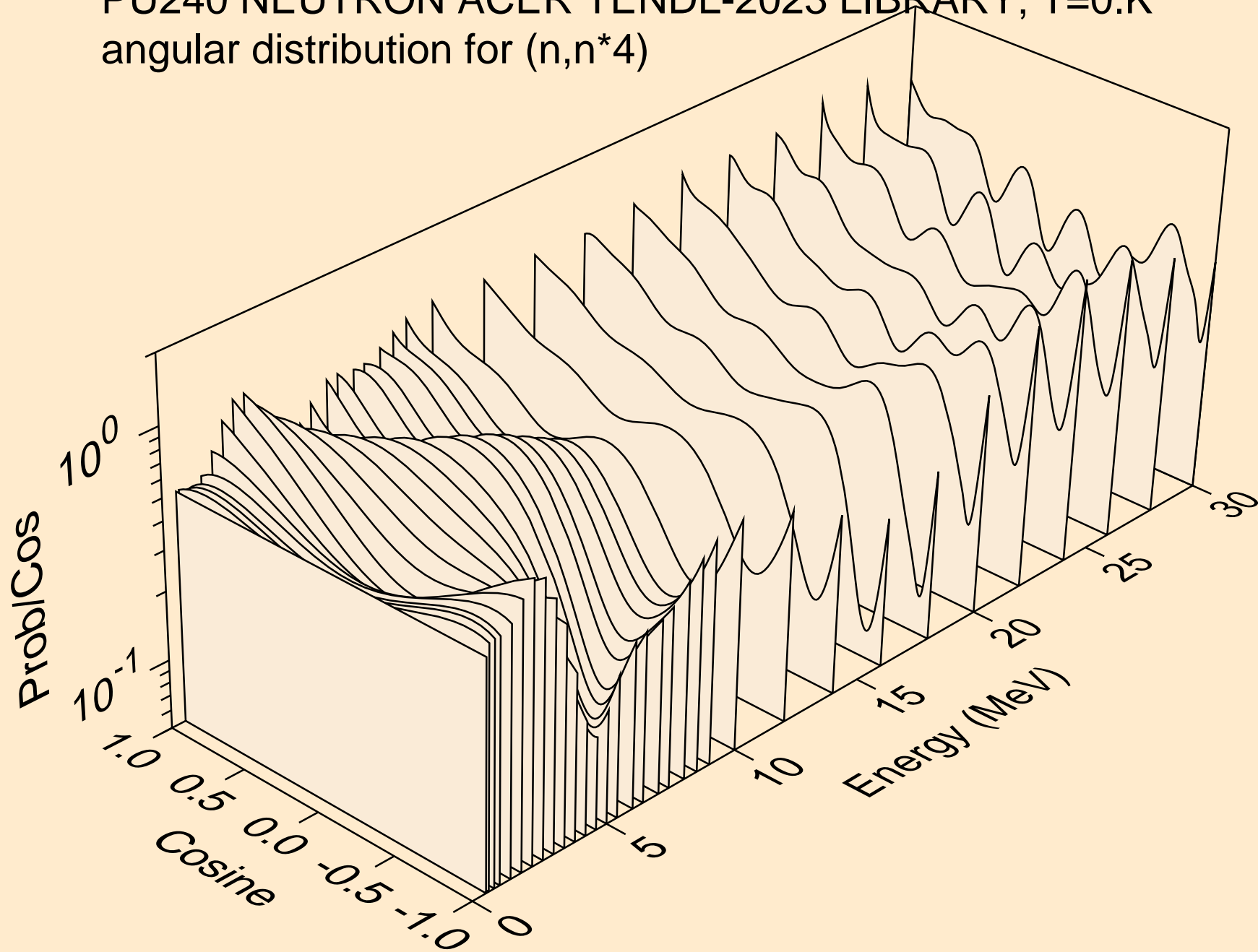
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angular distribution for (n,n\*2)



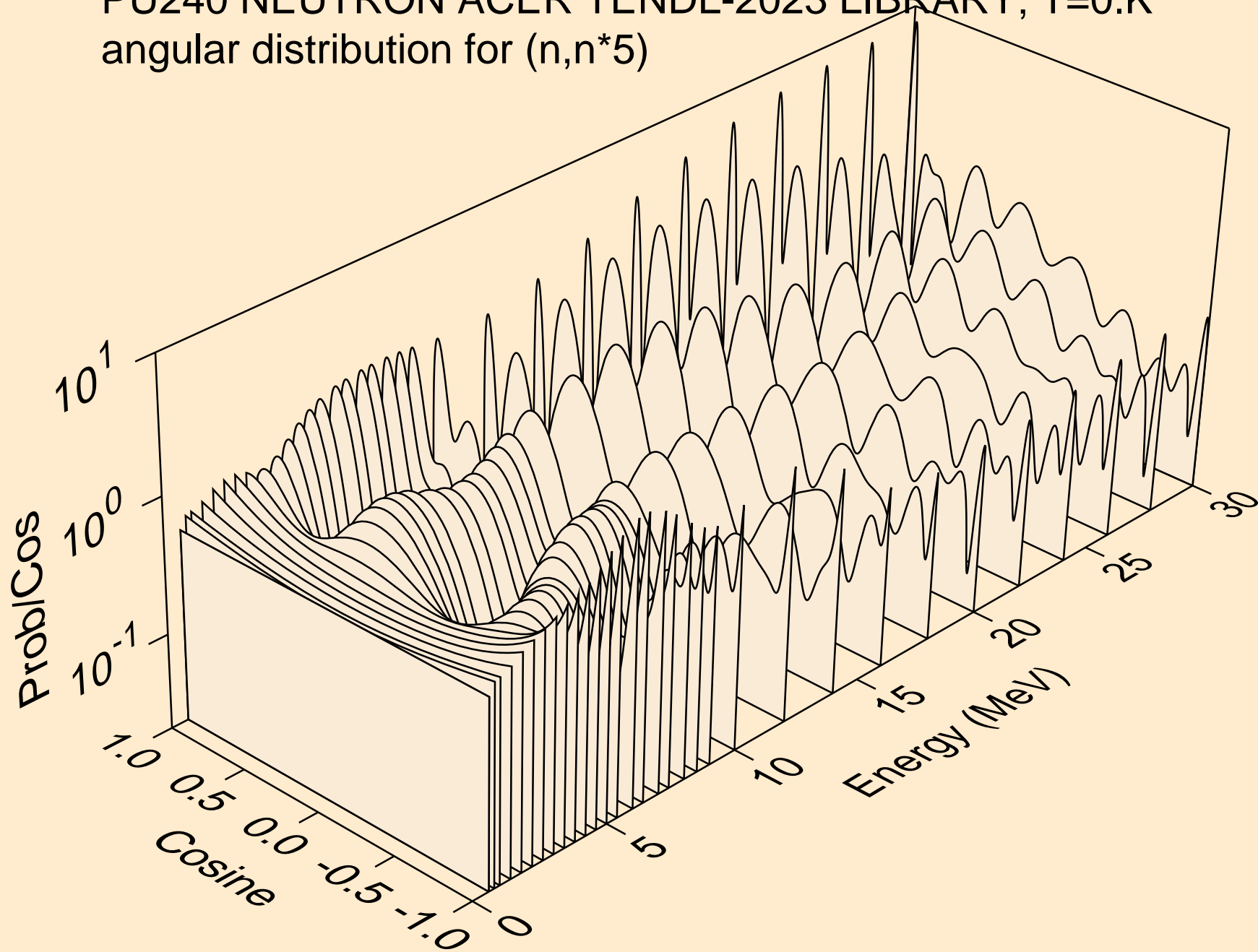
PU240 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*3)



PU240 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*4)

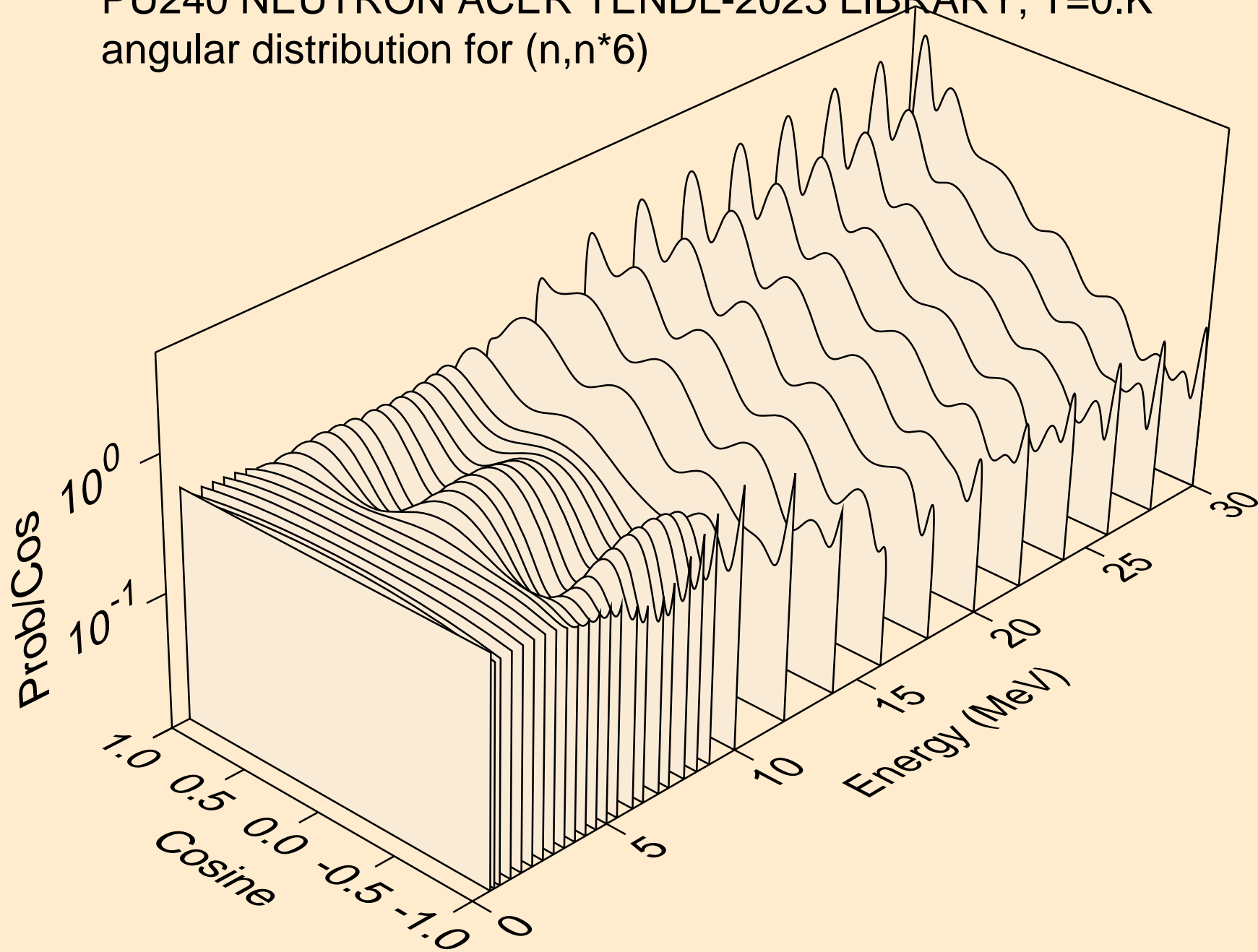


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angular distribution for (n,n\*5)

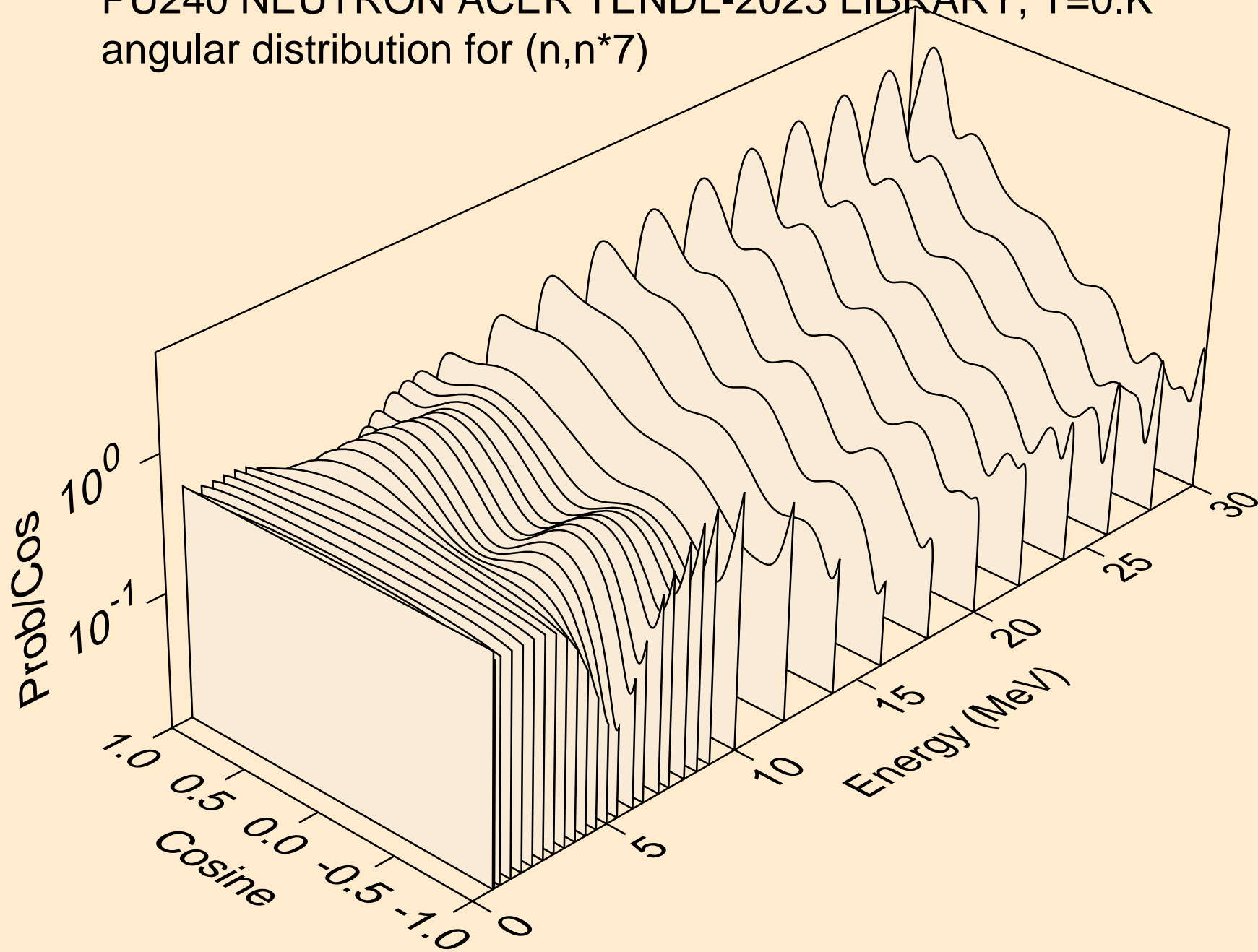




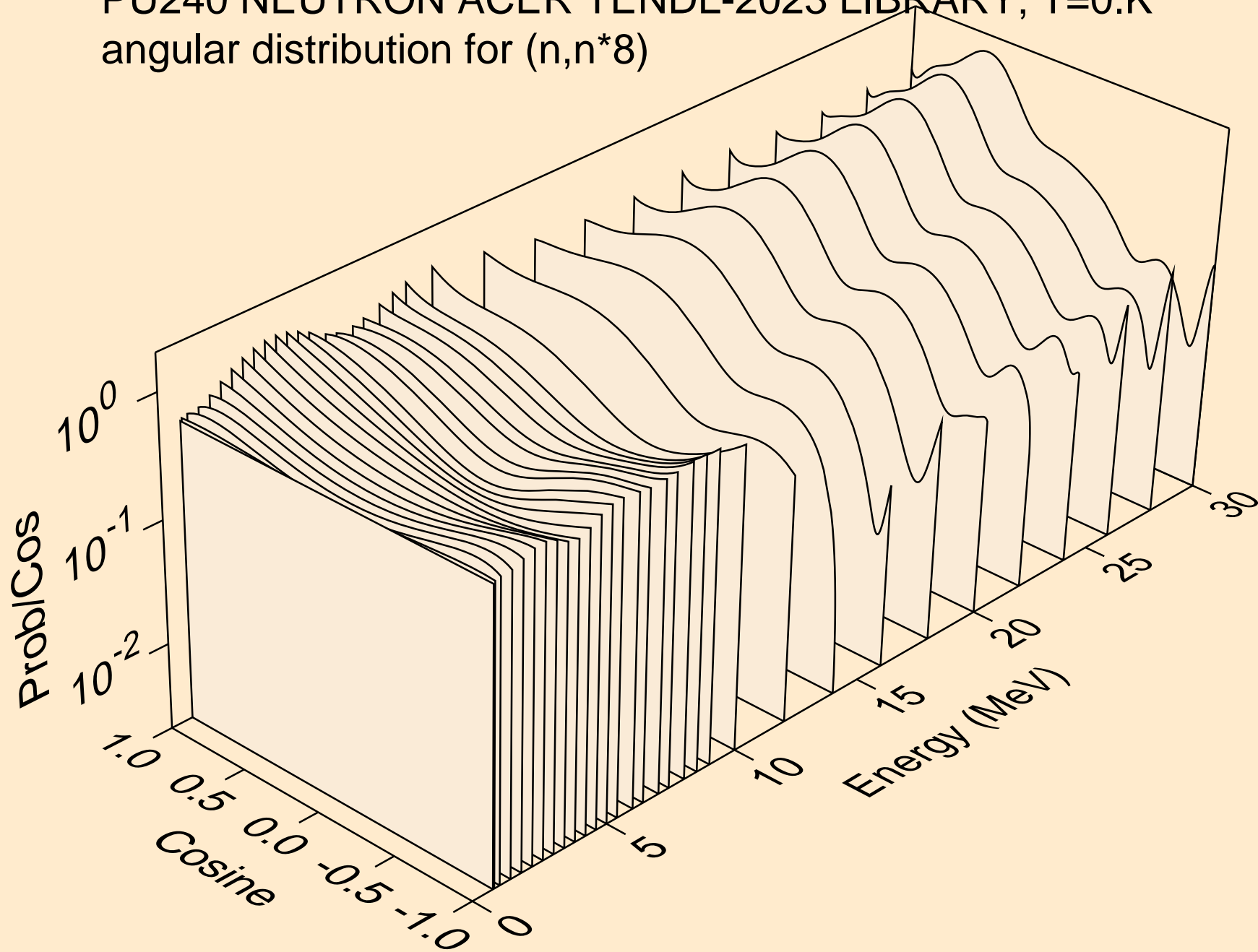
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angular distribution for (n,n\*6)



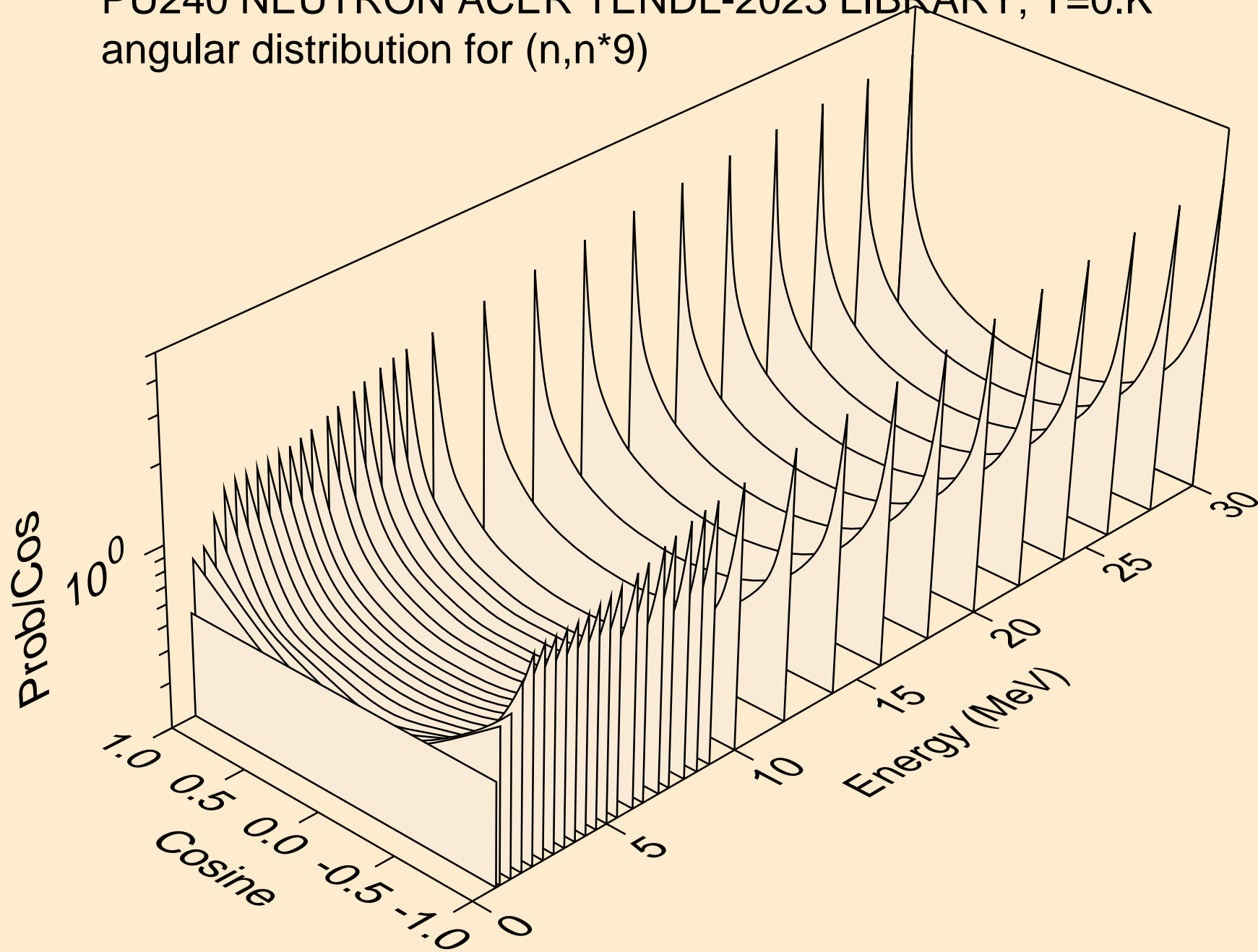
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angular distribution for (n,n\*7)



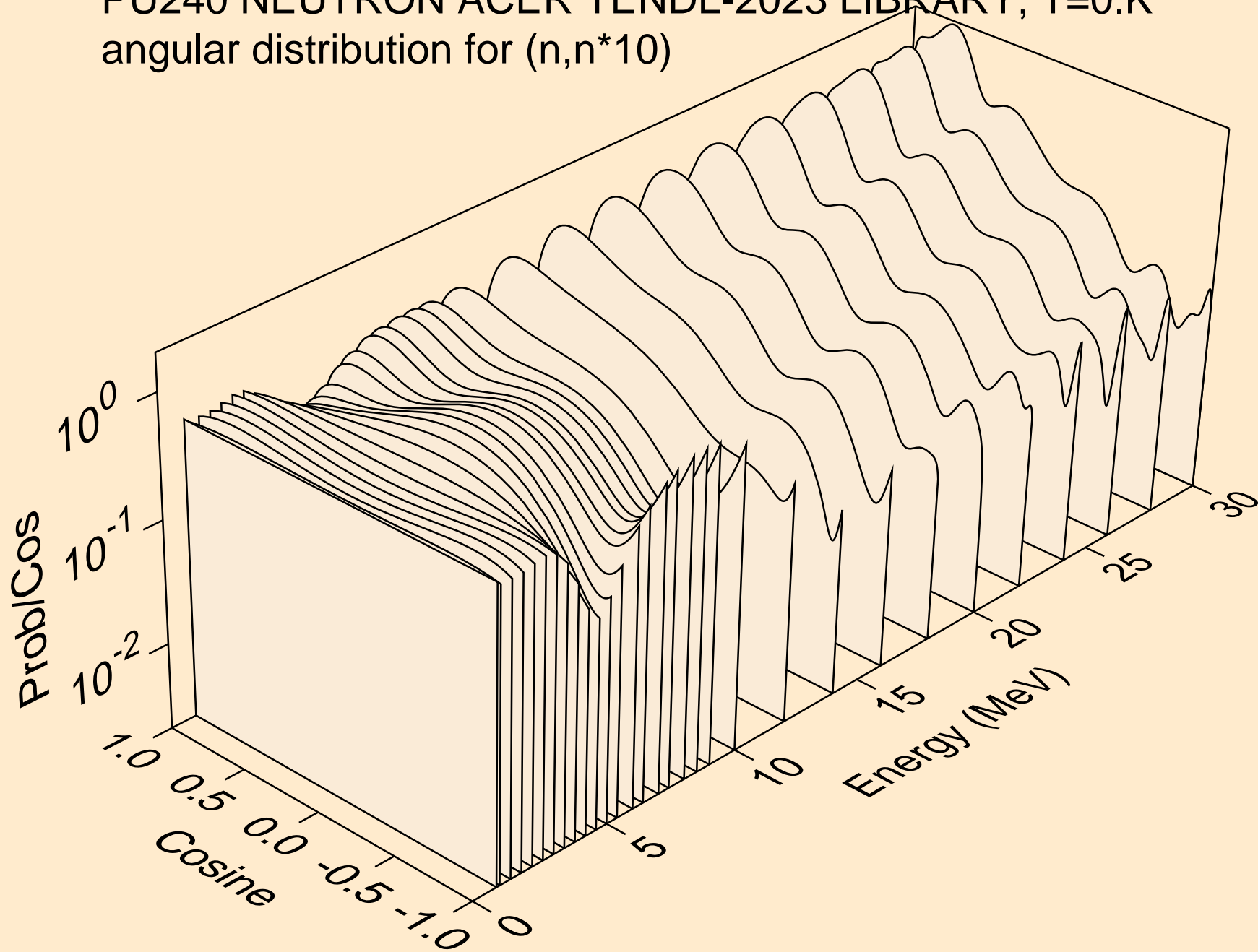
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angular distribution for (n,n\*8)



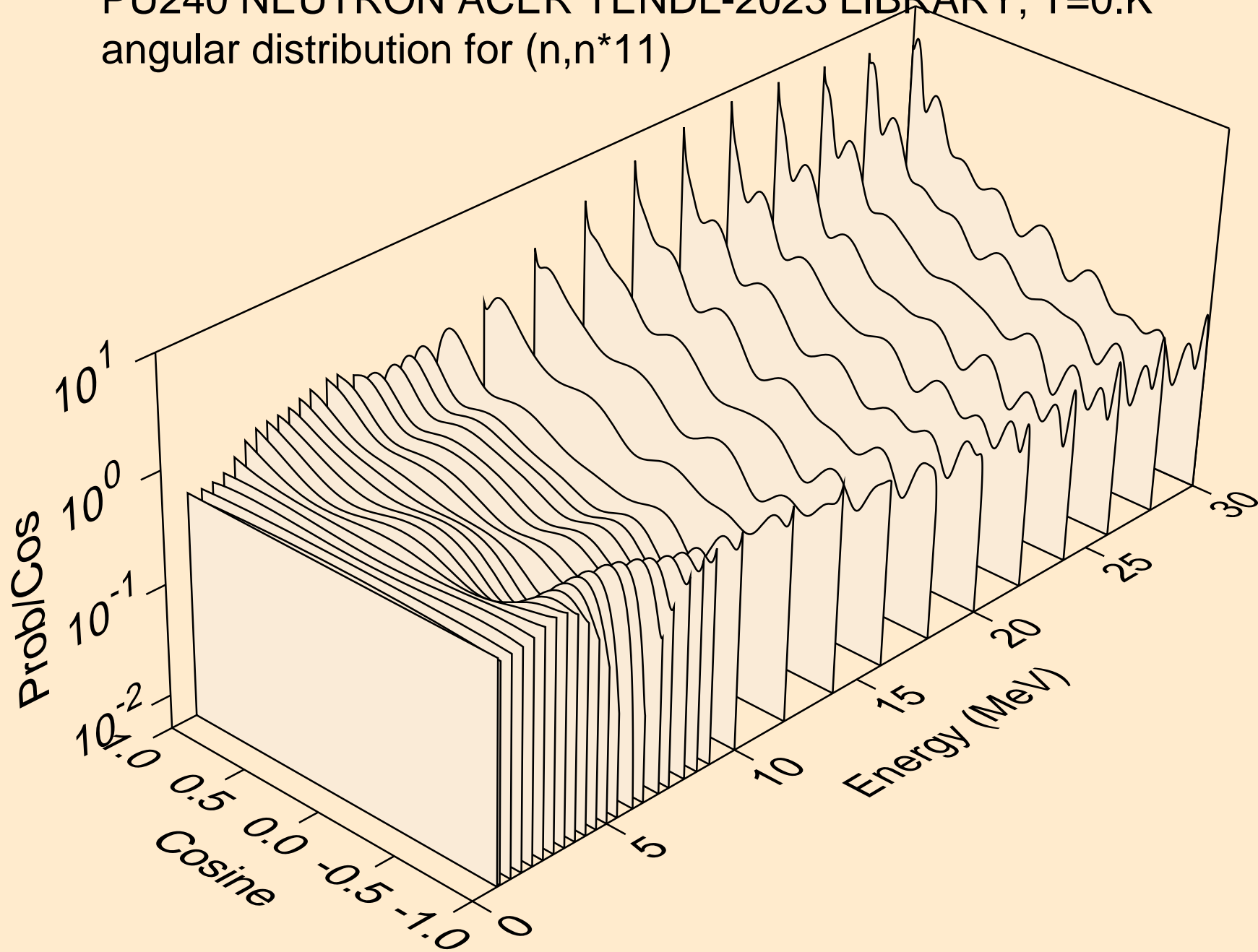
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angular distribution for (n,n\*9)



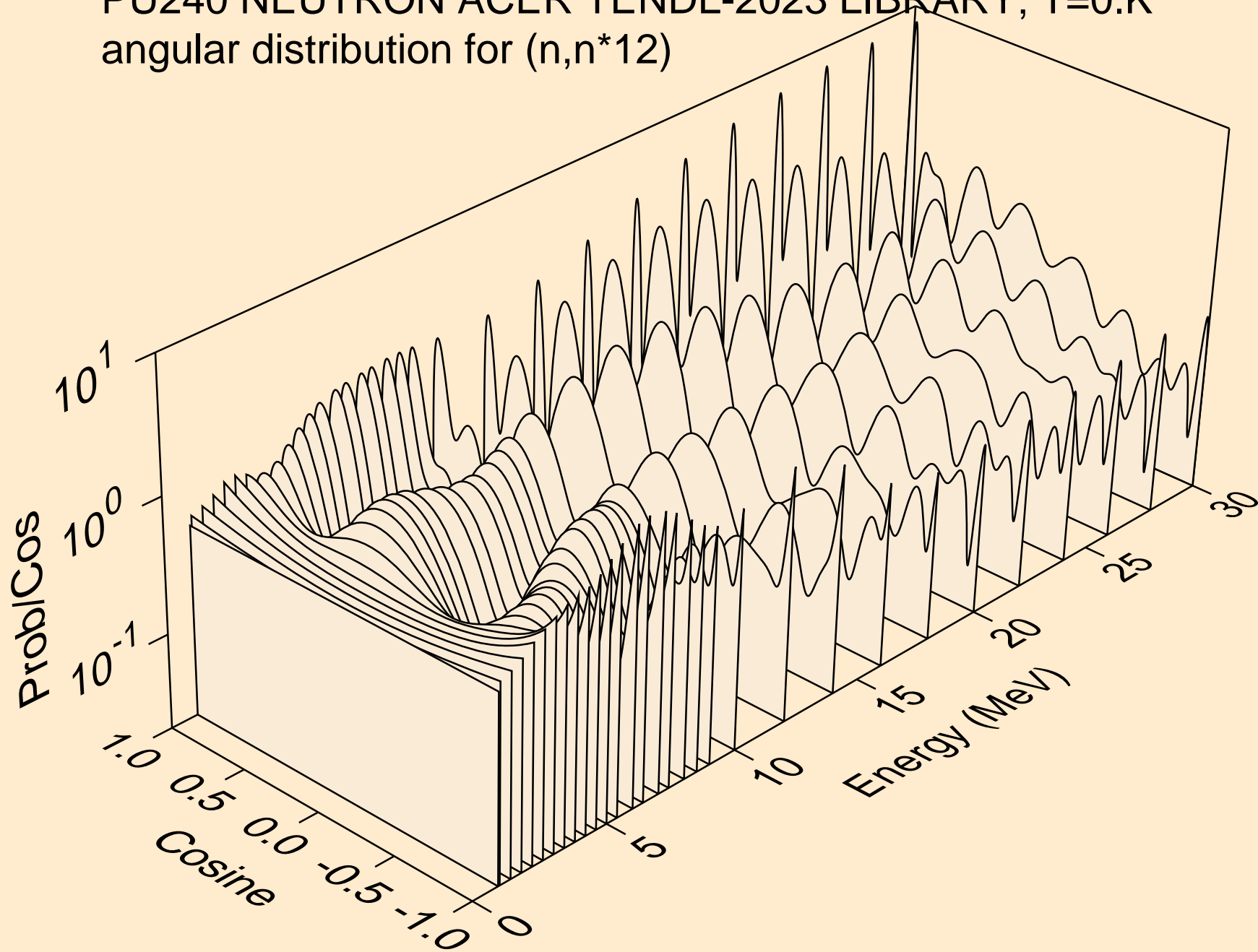
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angular distribution for (n,n\*10)



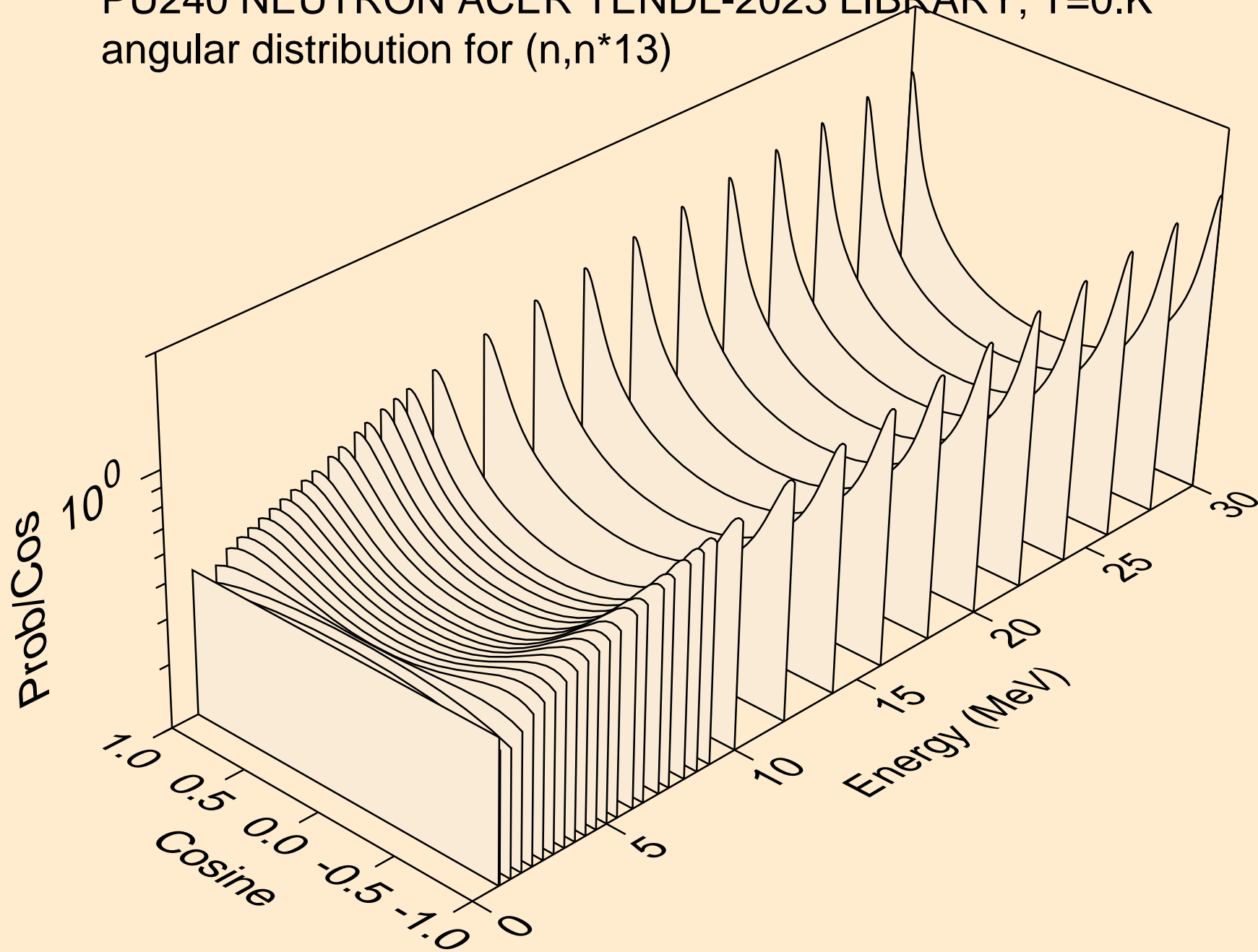
PU240 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*11)



PU240 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*12)

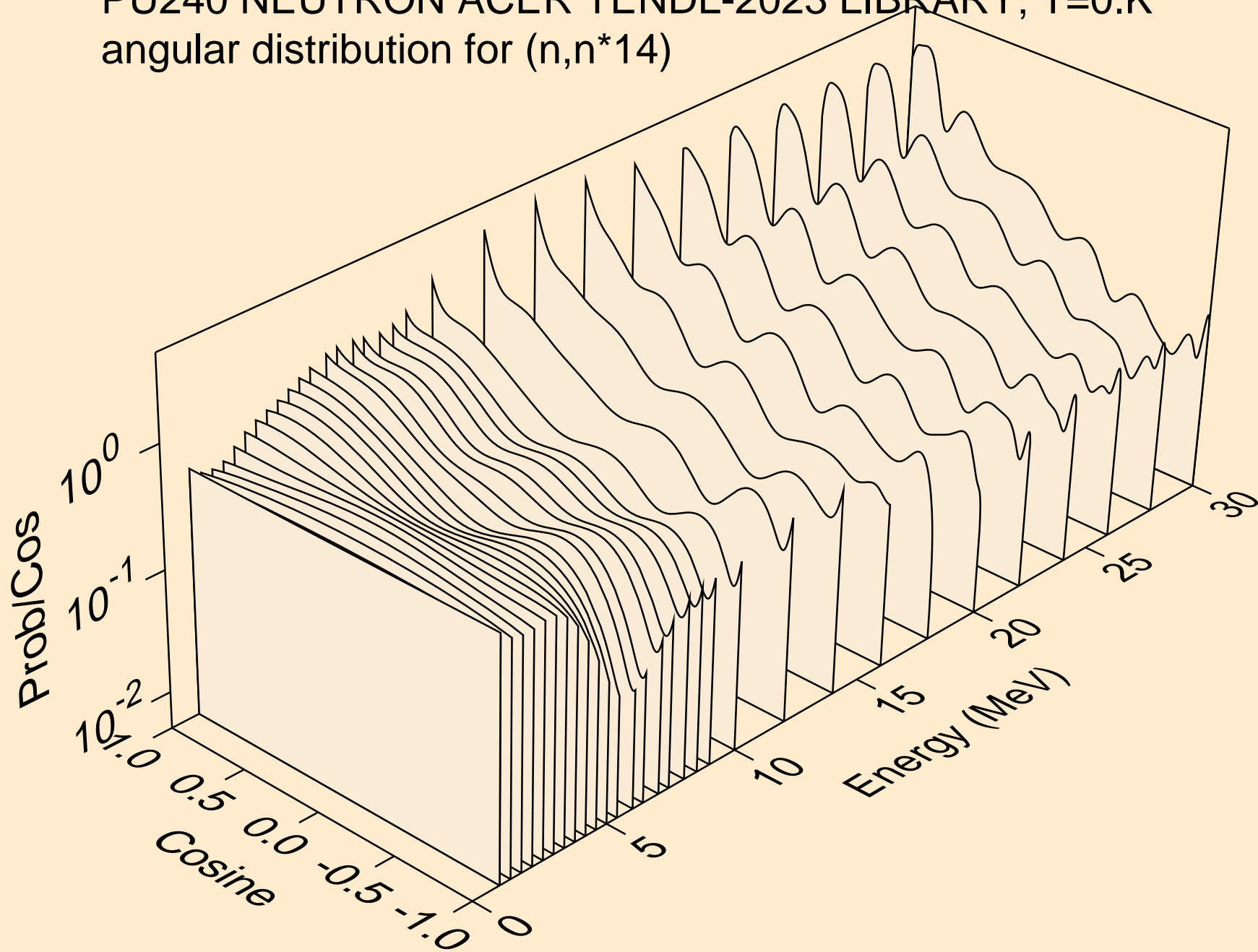


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angular distribution for (n,n\*13)

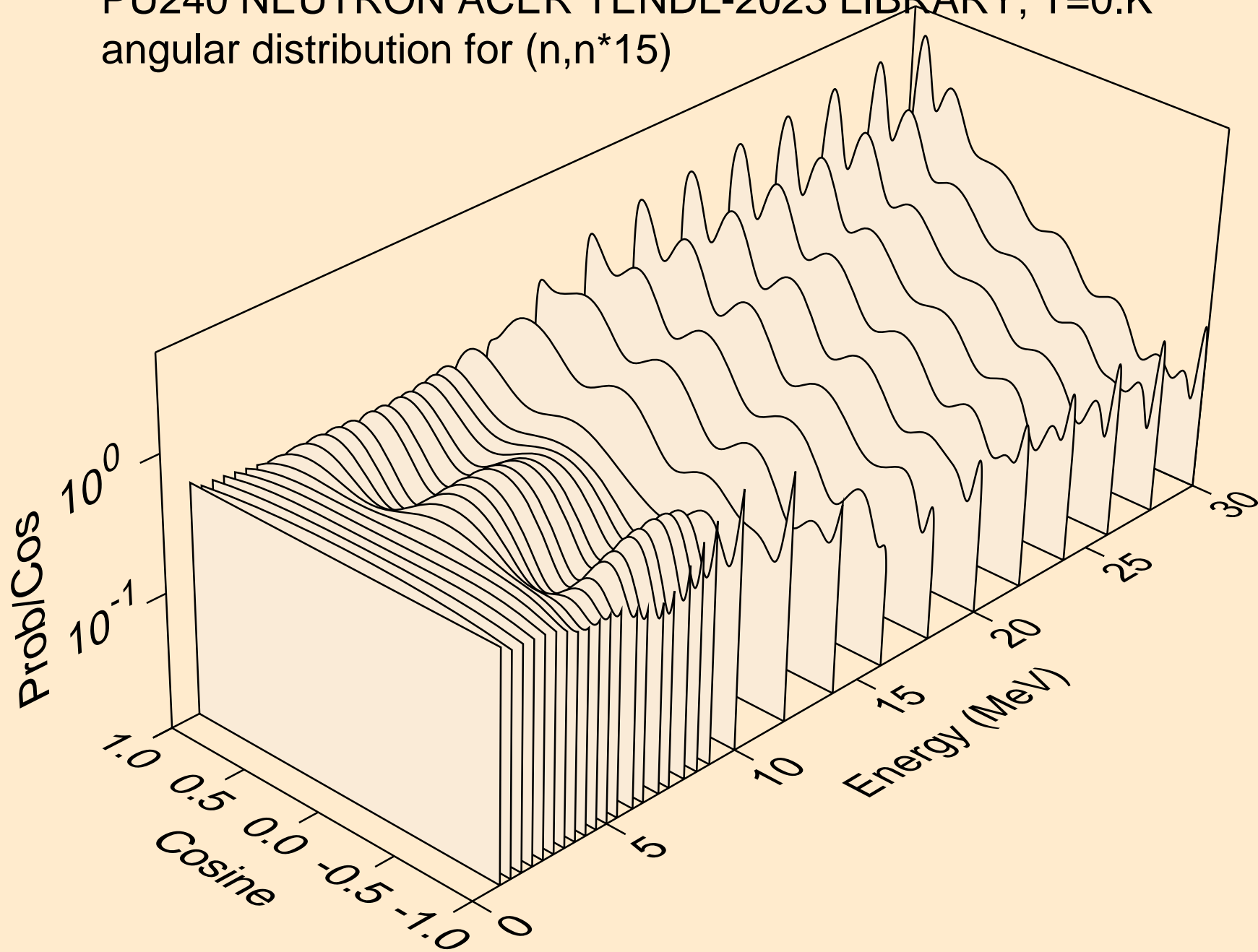




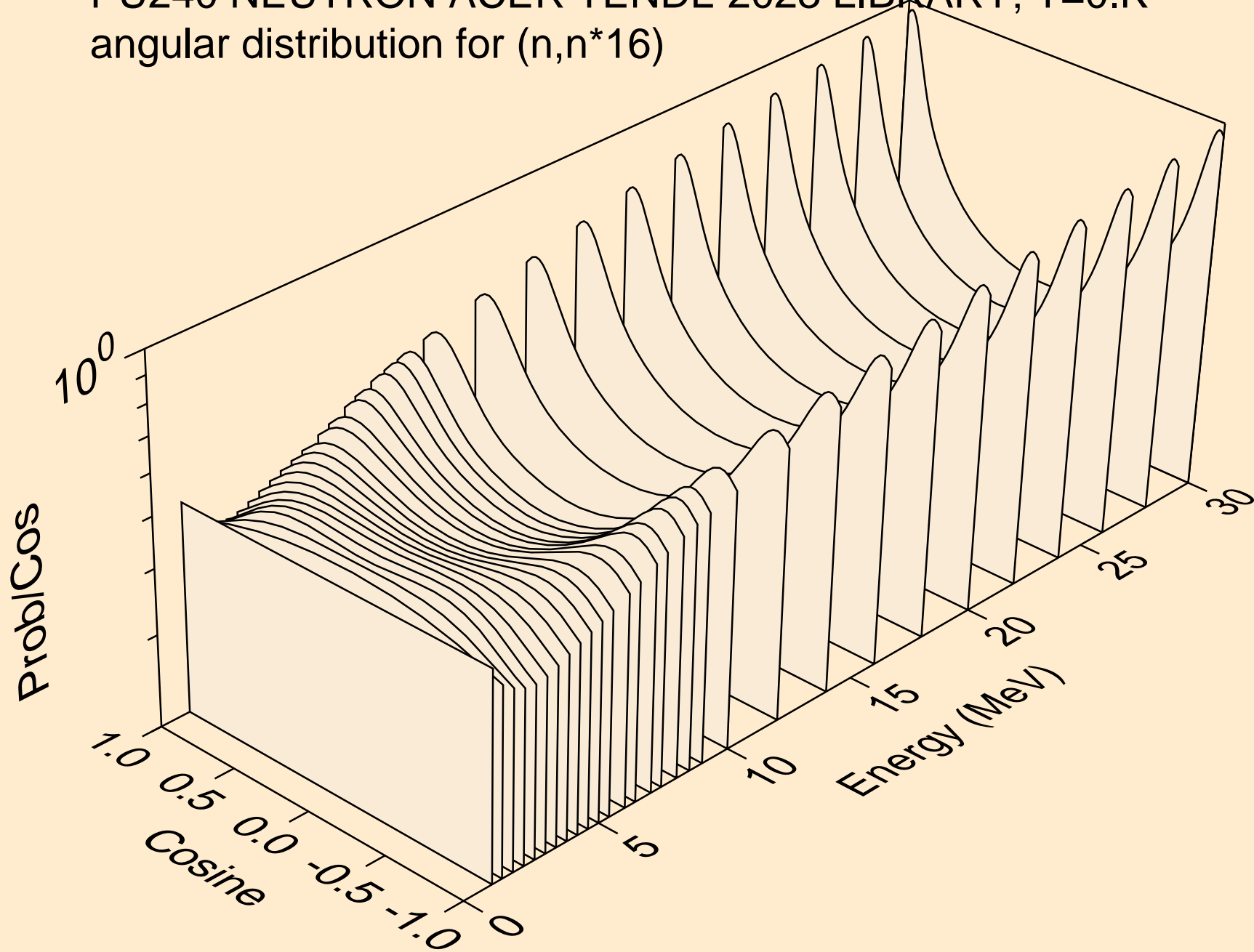
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angular distribution for (n,n\*14)



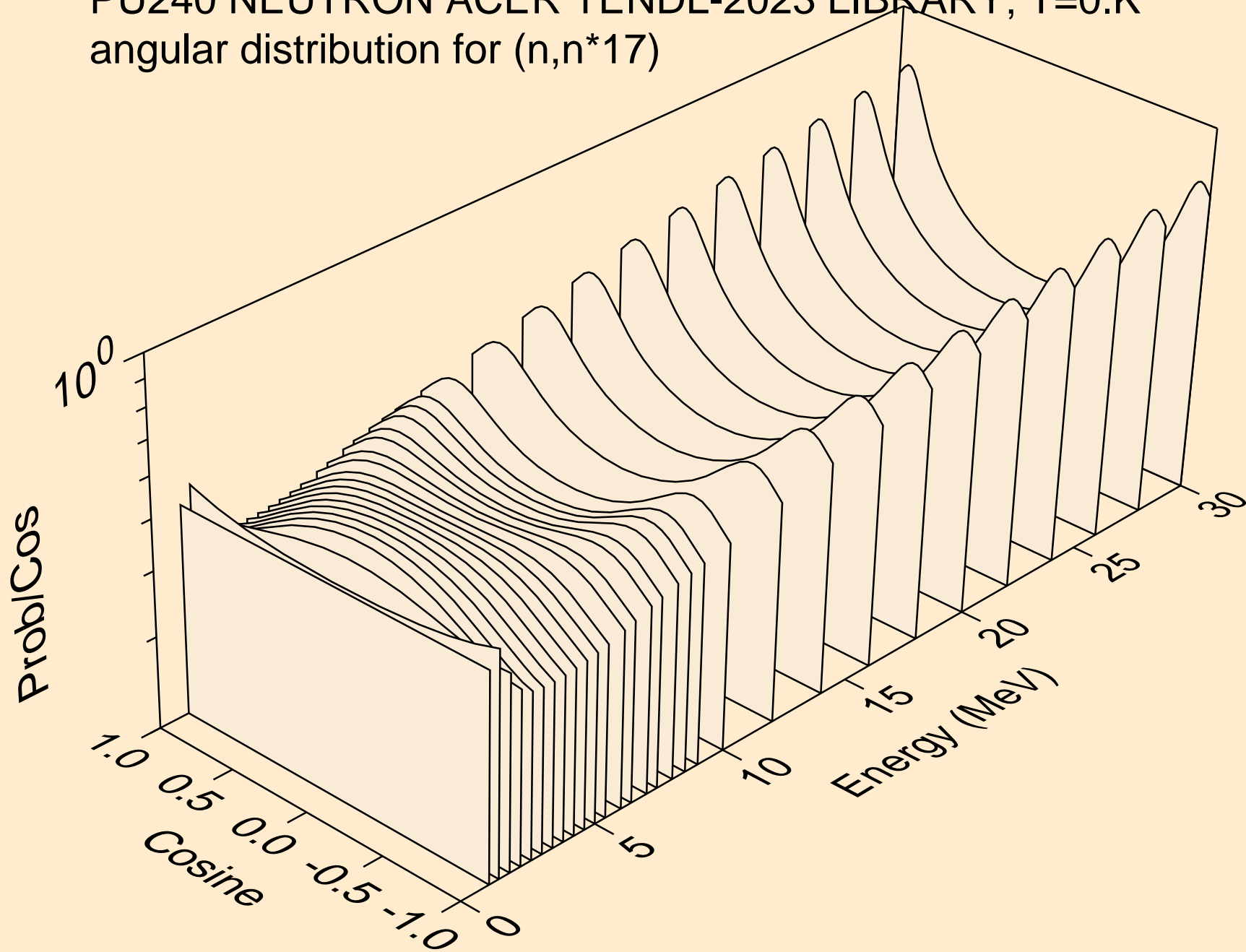
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angular distribution for (n,n\*15)



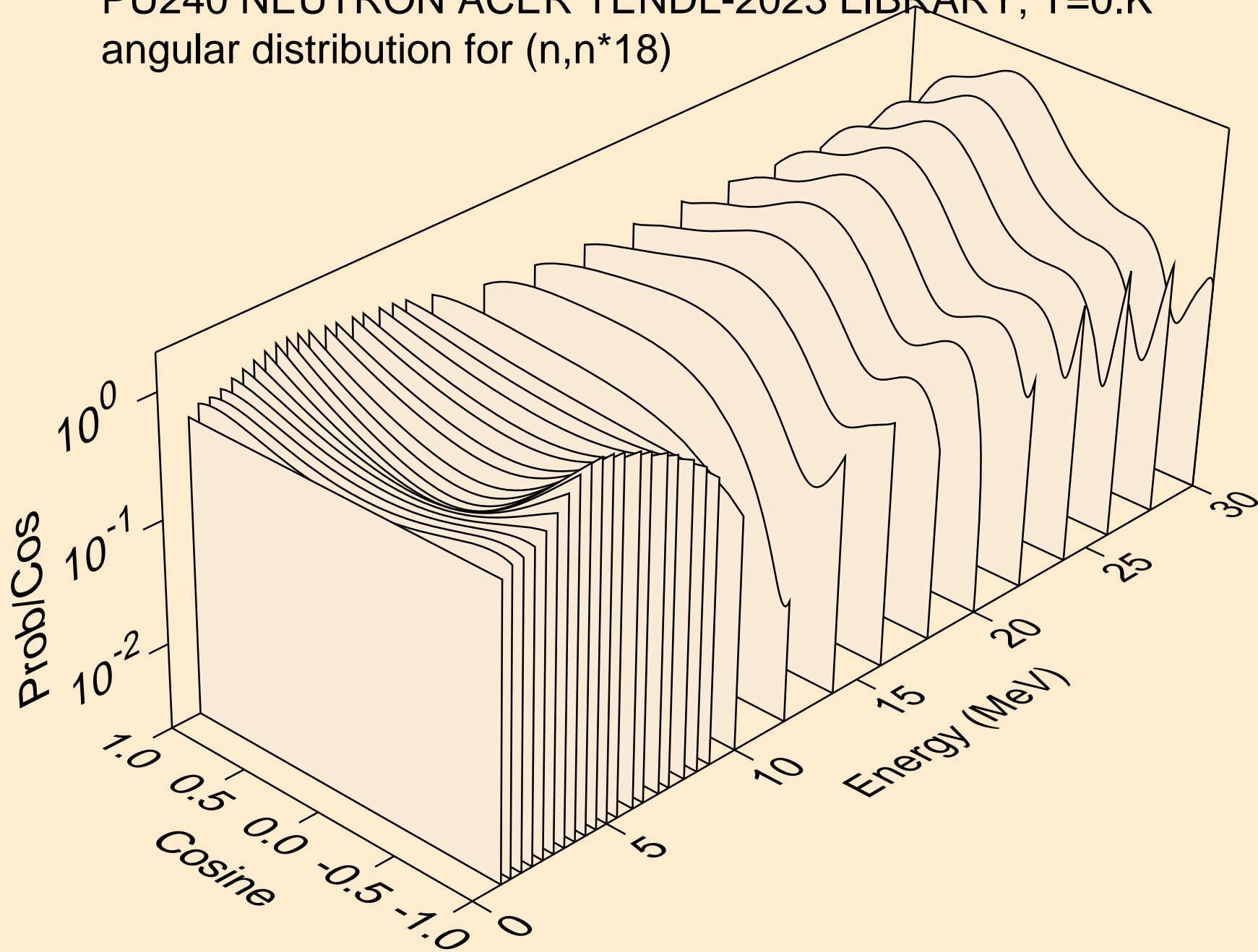
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angular distribution for (n,n\*16)



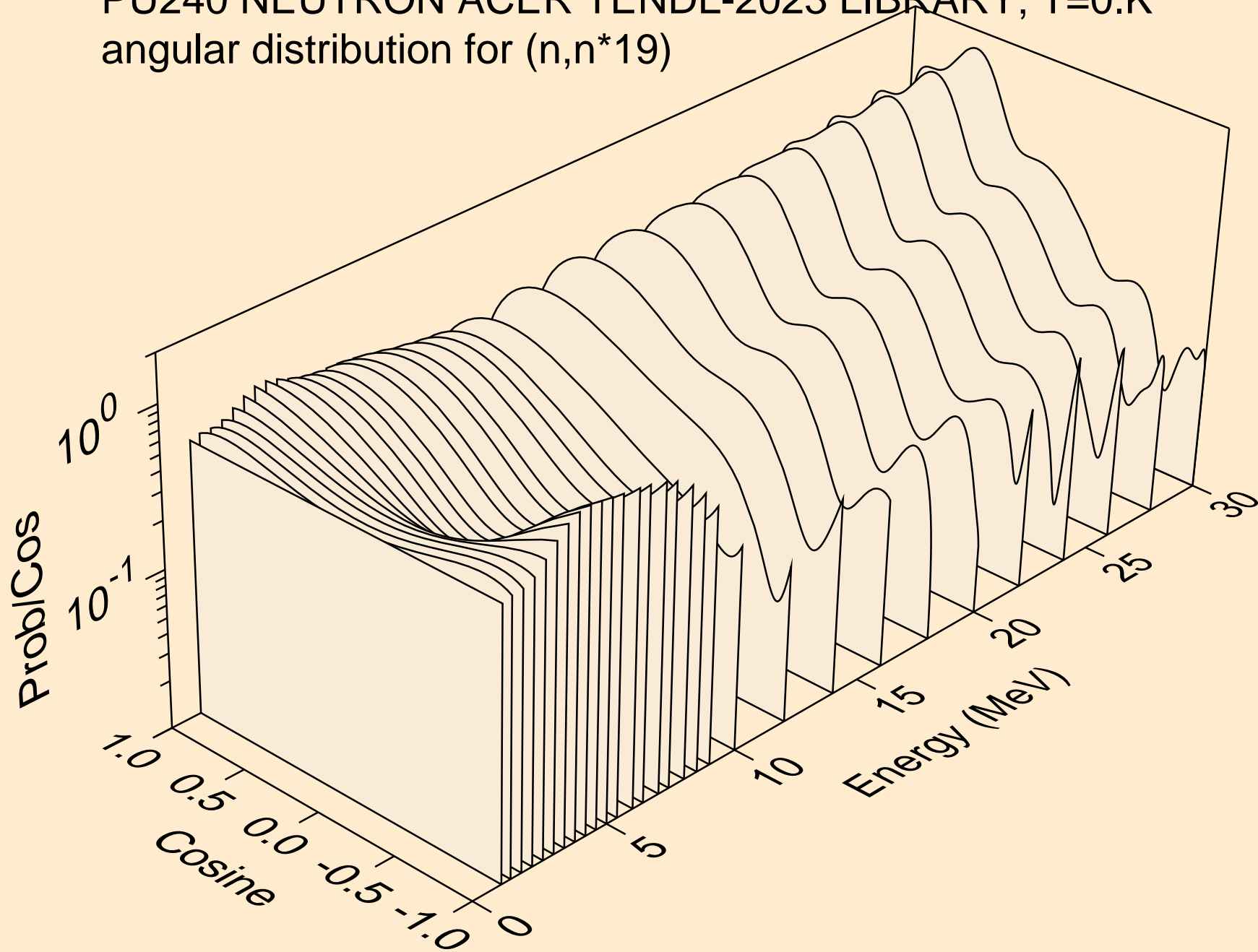
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angular distribution for (n,n\*17)



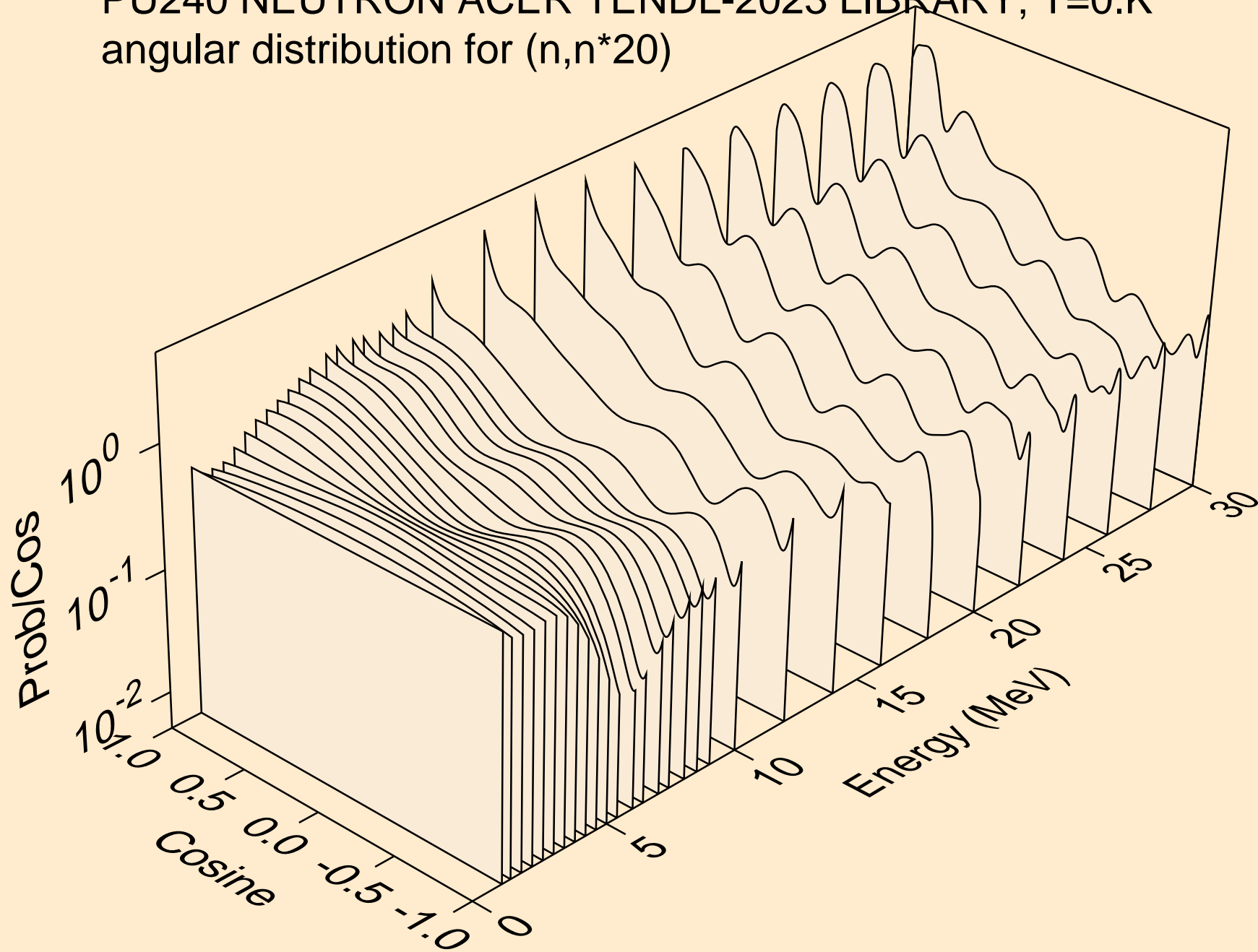
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angular distribution for (n,n\*18)



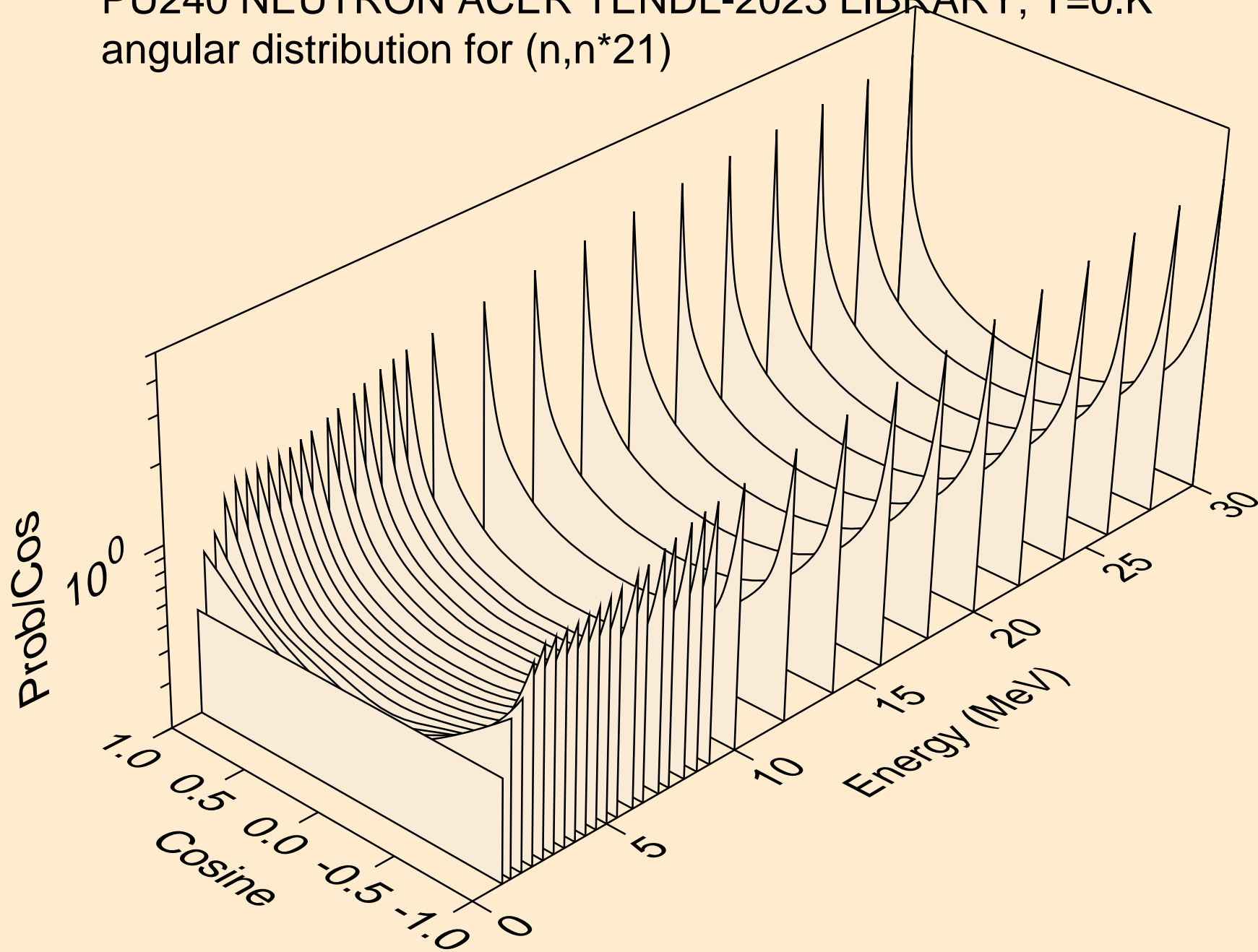
PU240 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*19)



PU240 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*20)

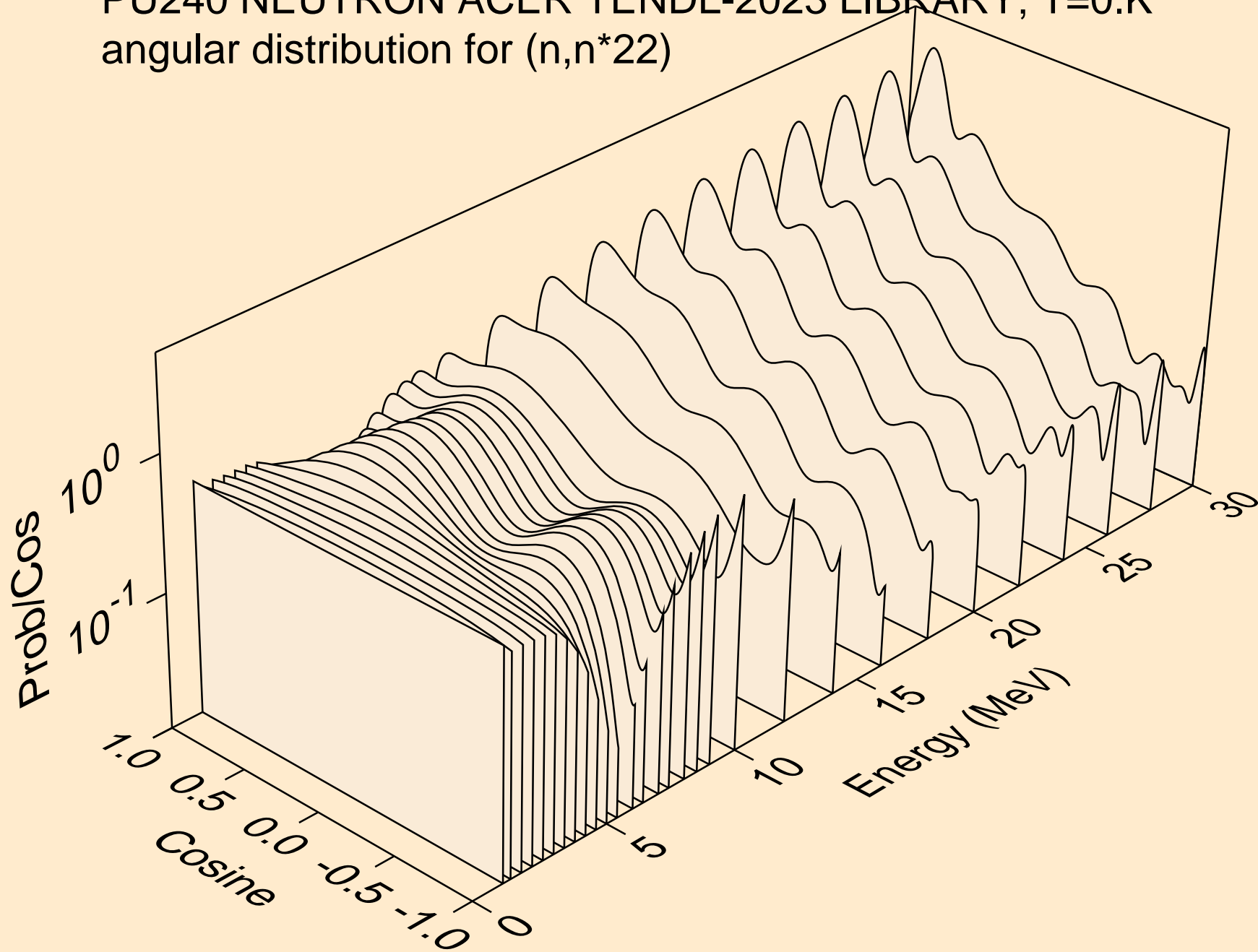


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angular distribution for (n,n\*21)

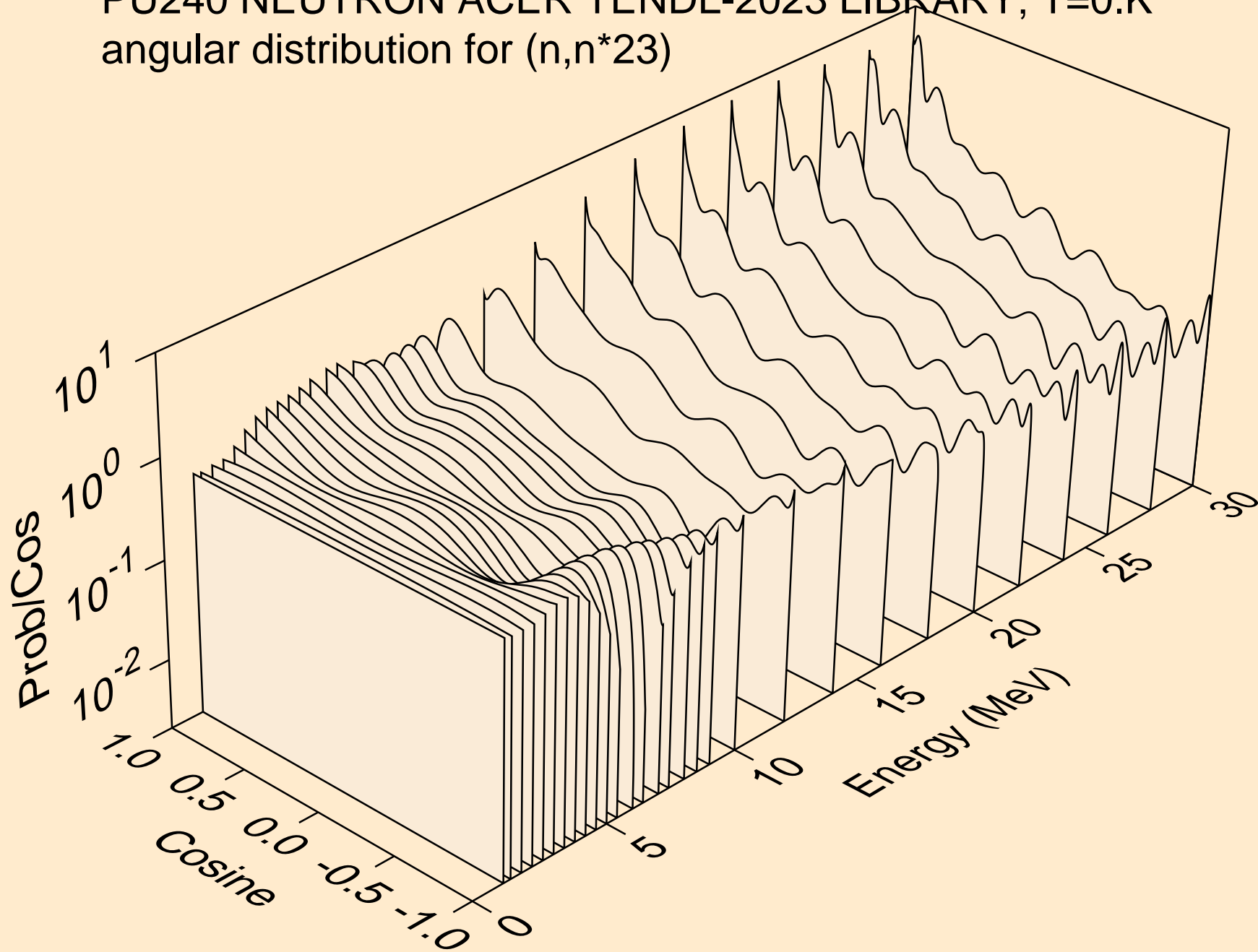




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angular distribution for (n,n\*22)

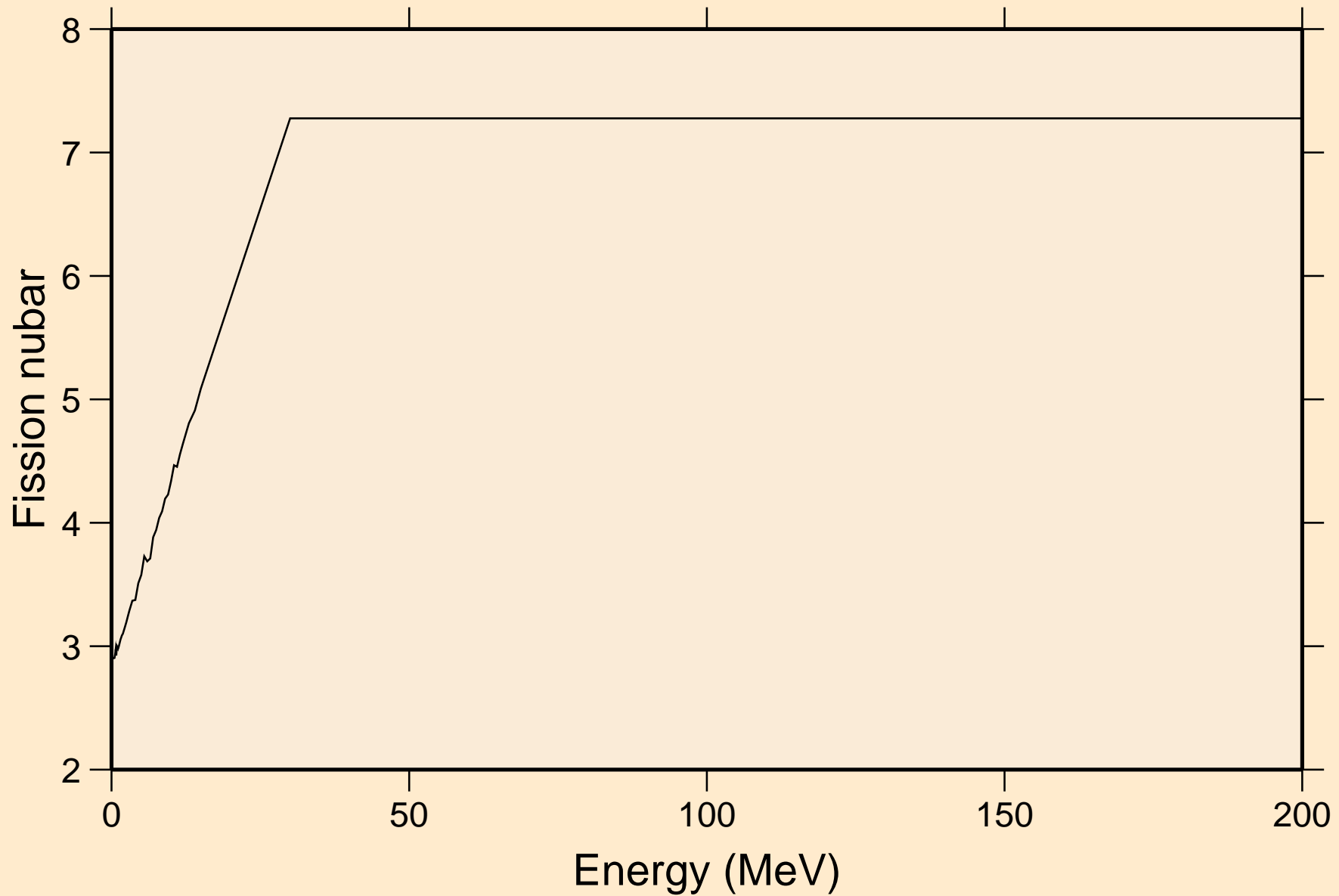


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angular distribution for (n,n\*23)

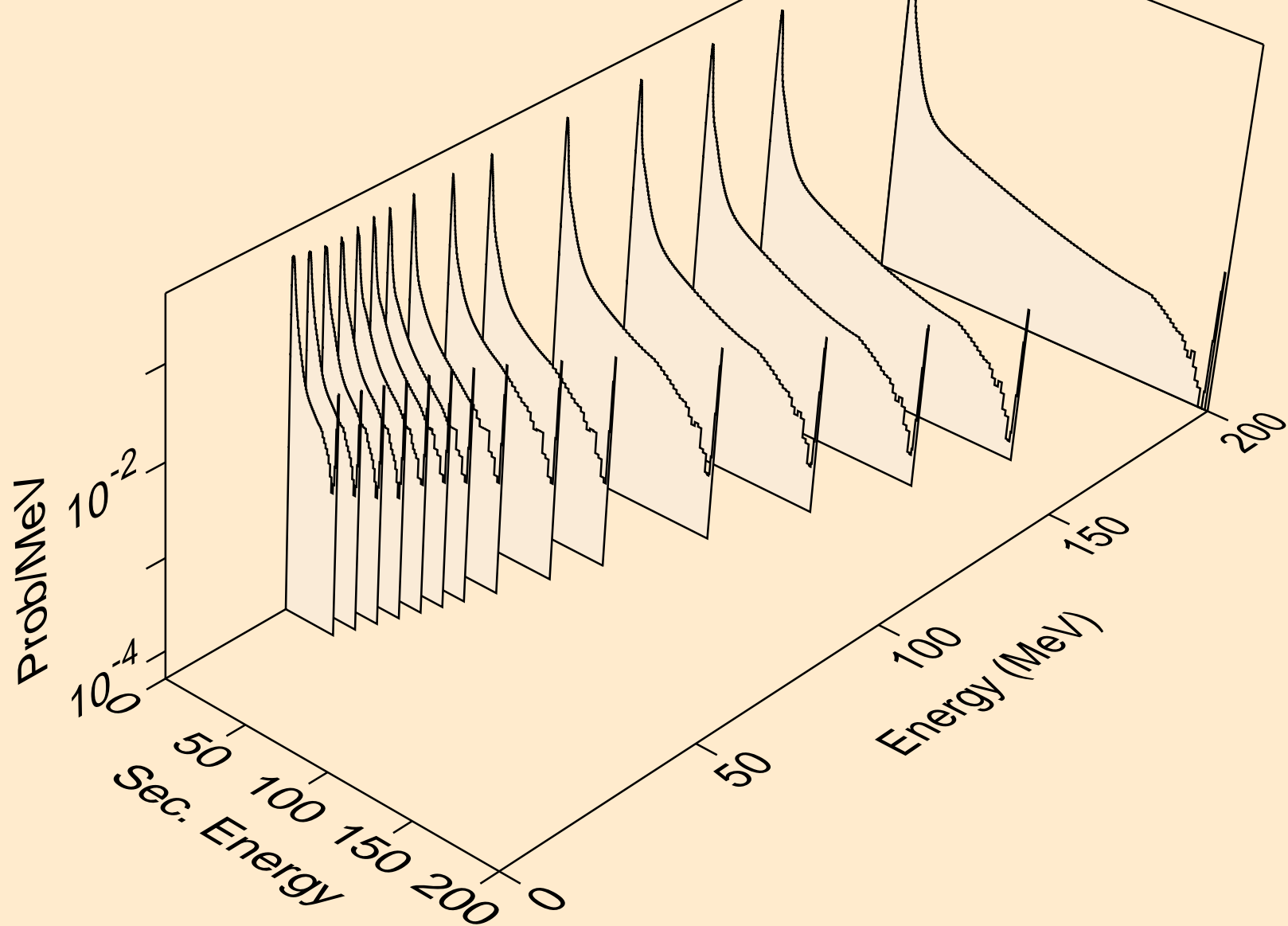


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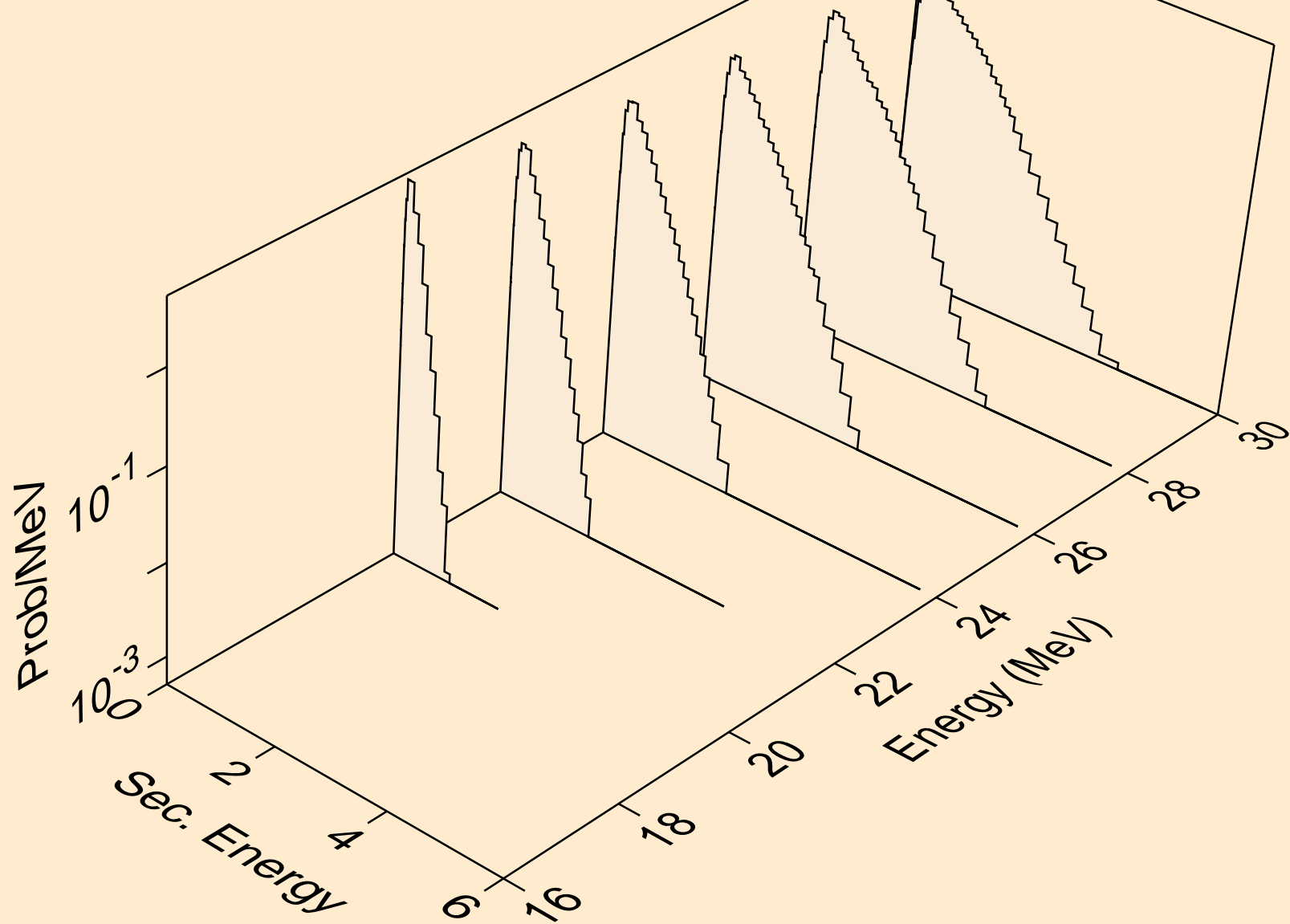
Total fission nubar



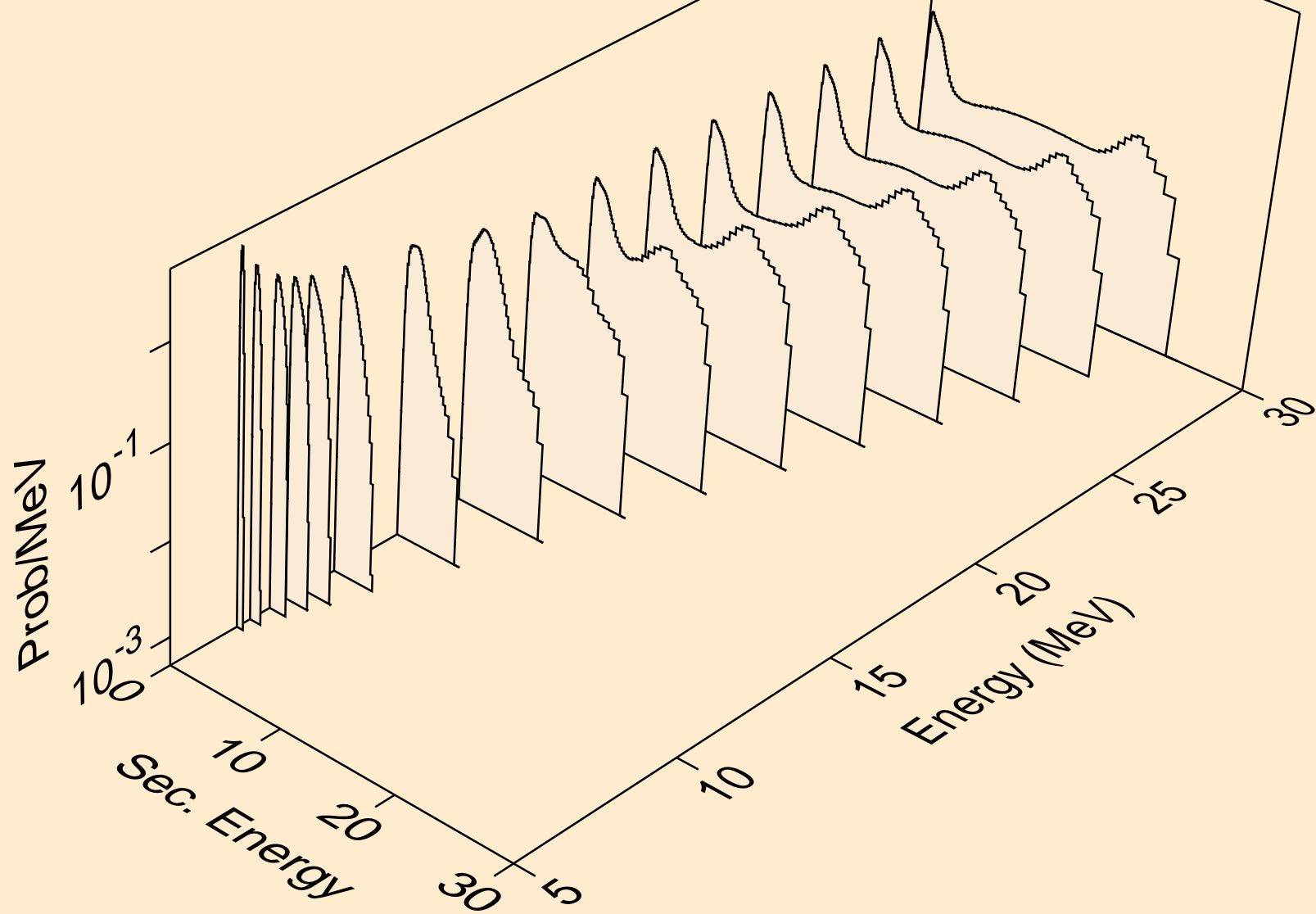
PU240 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,x)



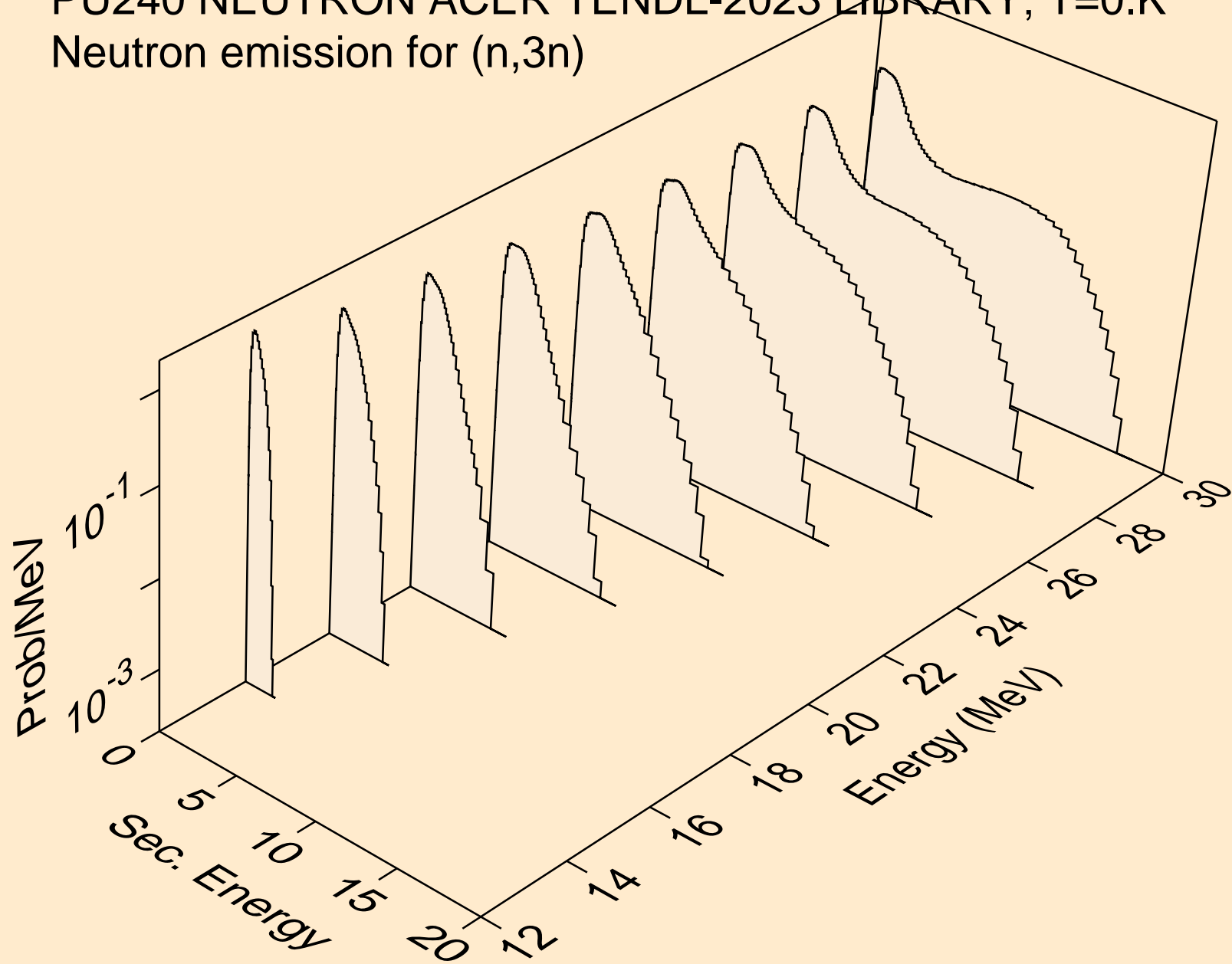
PU240 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



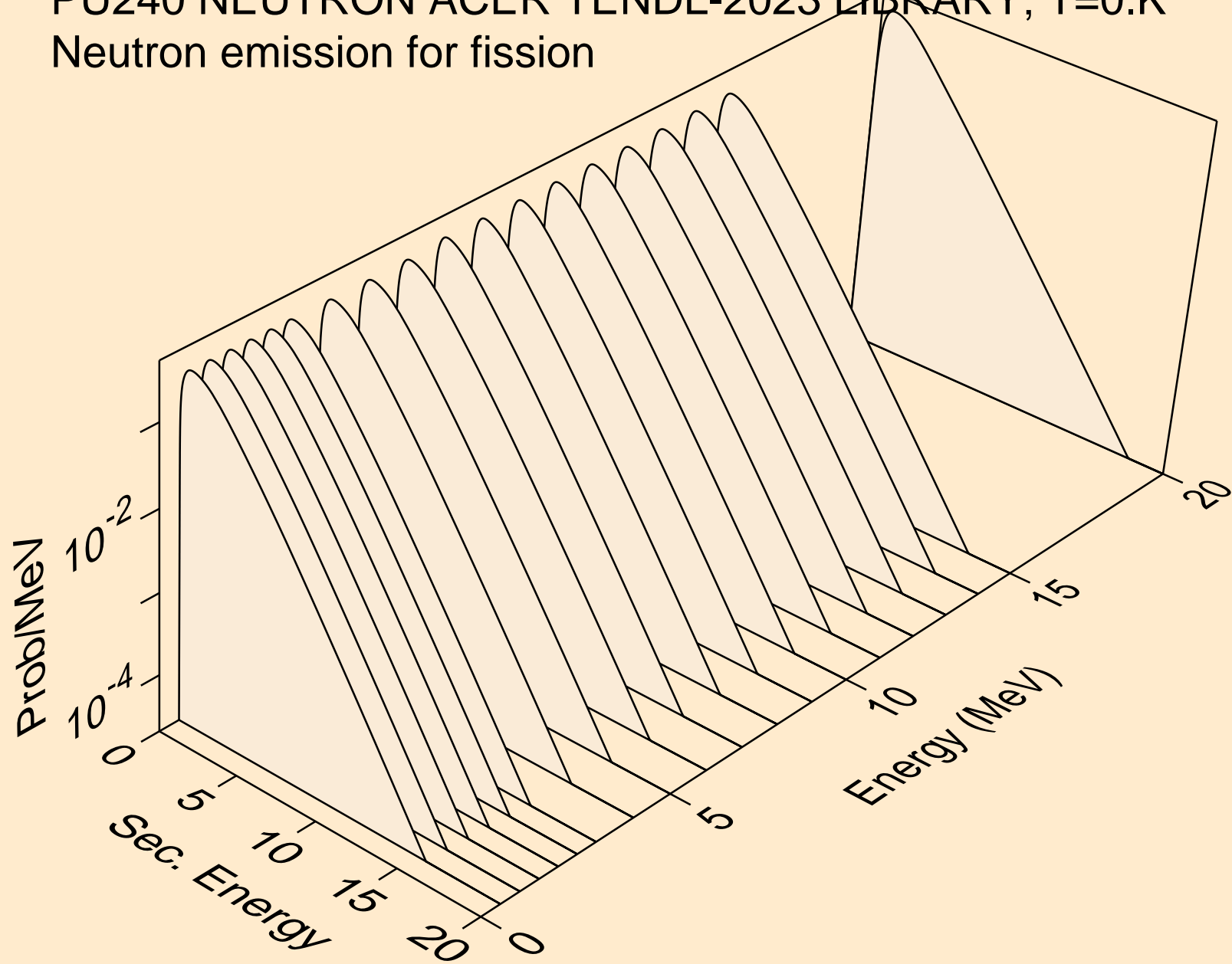
PU240 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)



PU240 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)

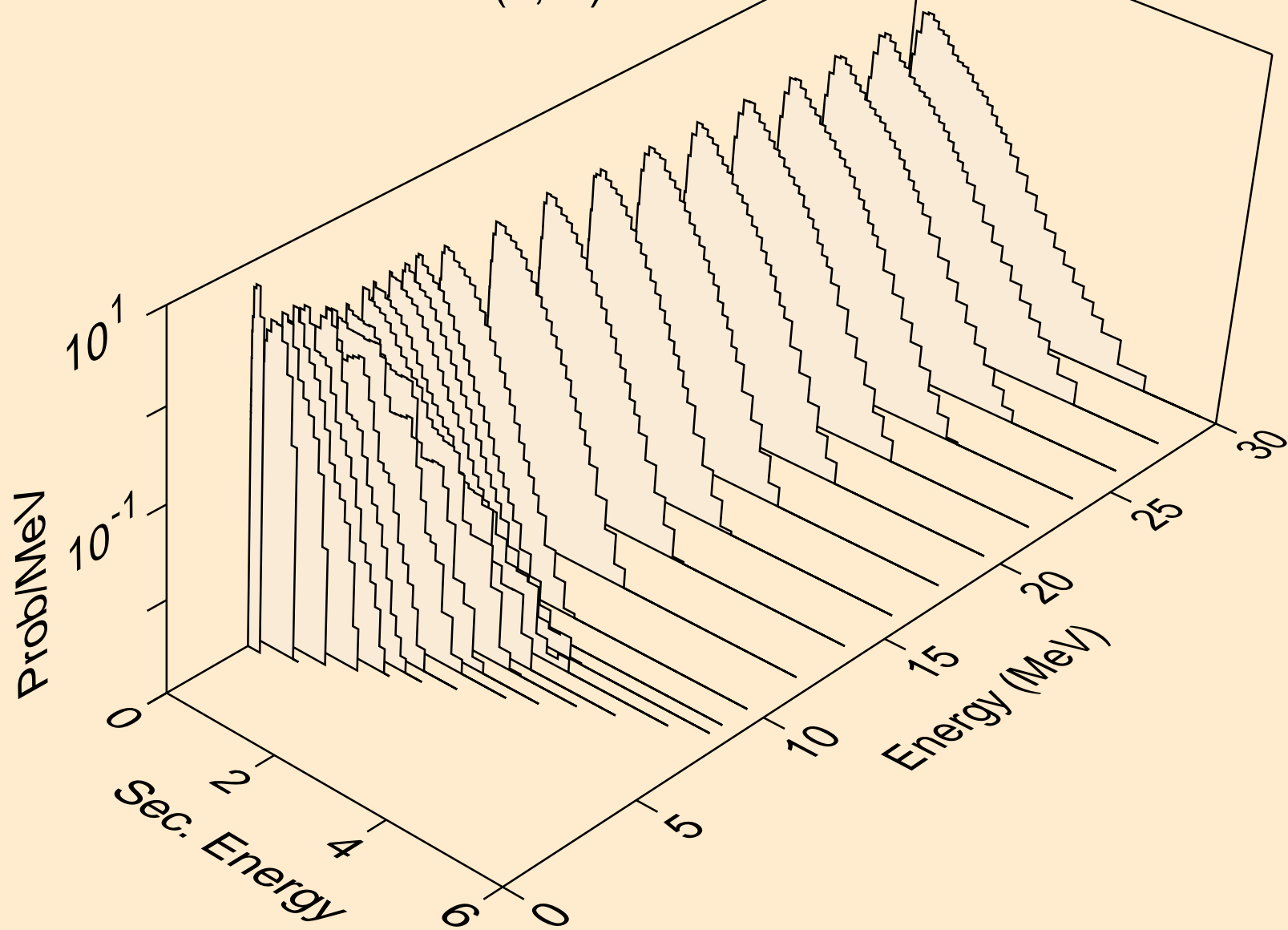


PU240 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for fission

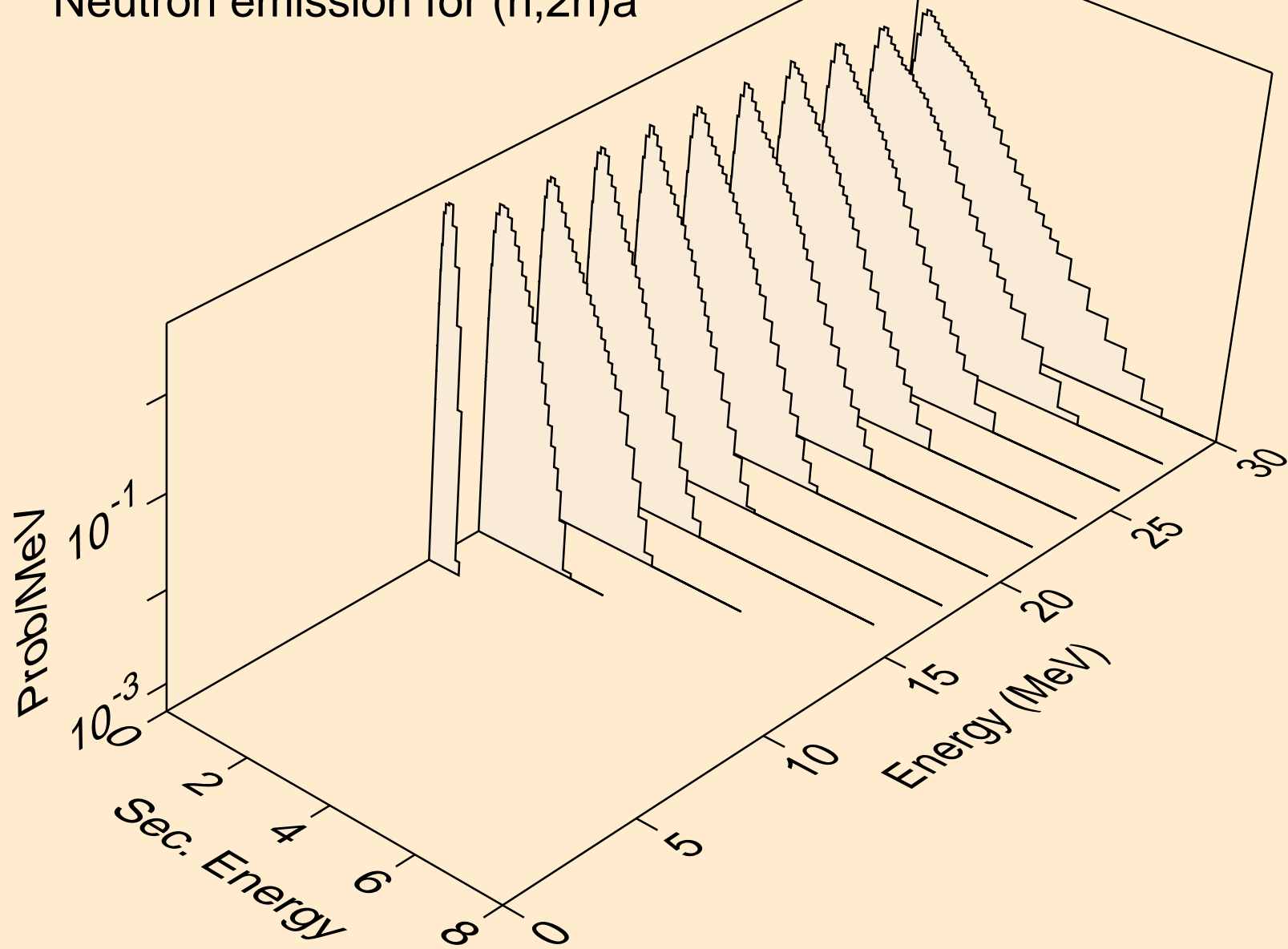




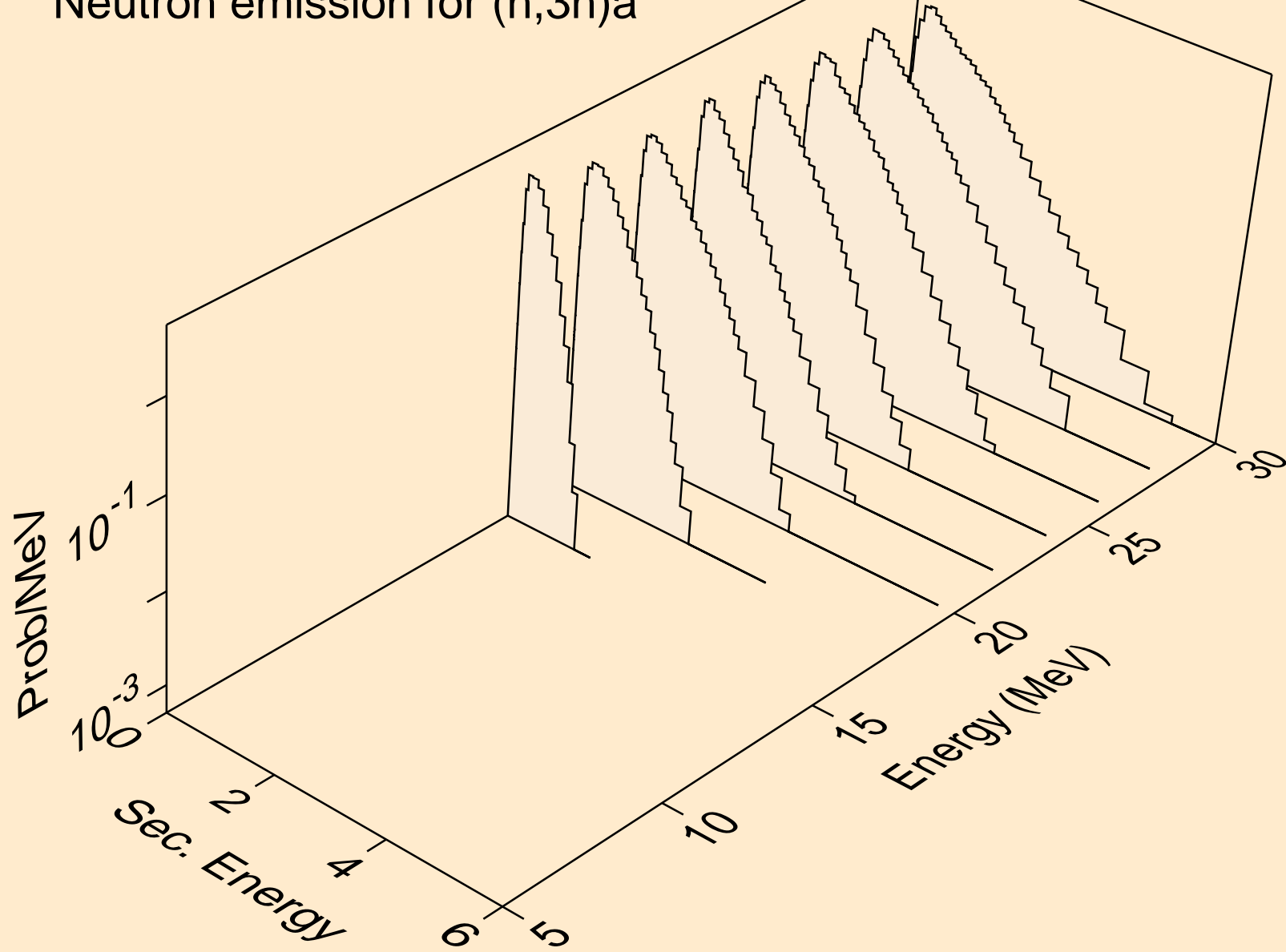
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Neutron emission for (n,n\*)a



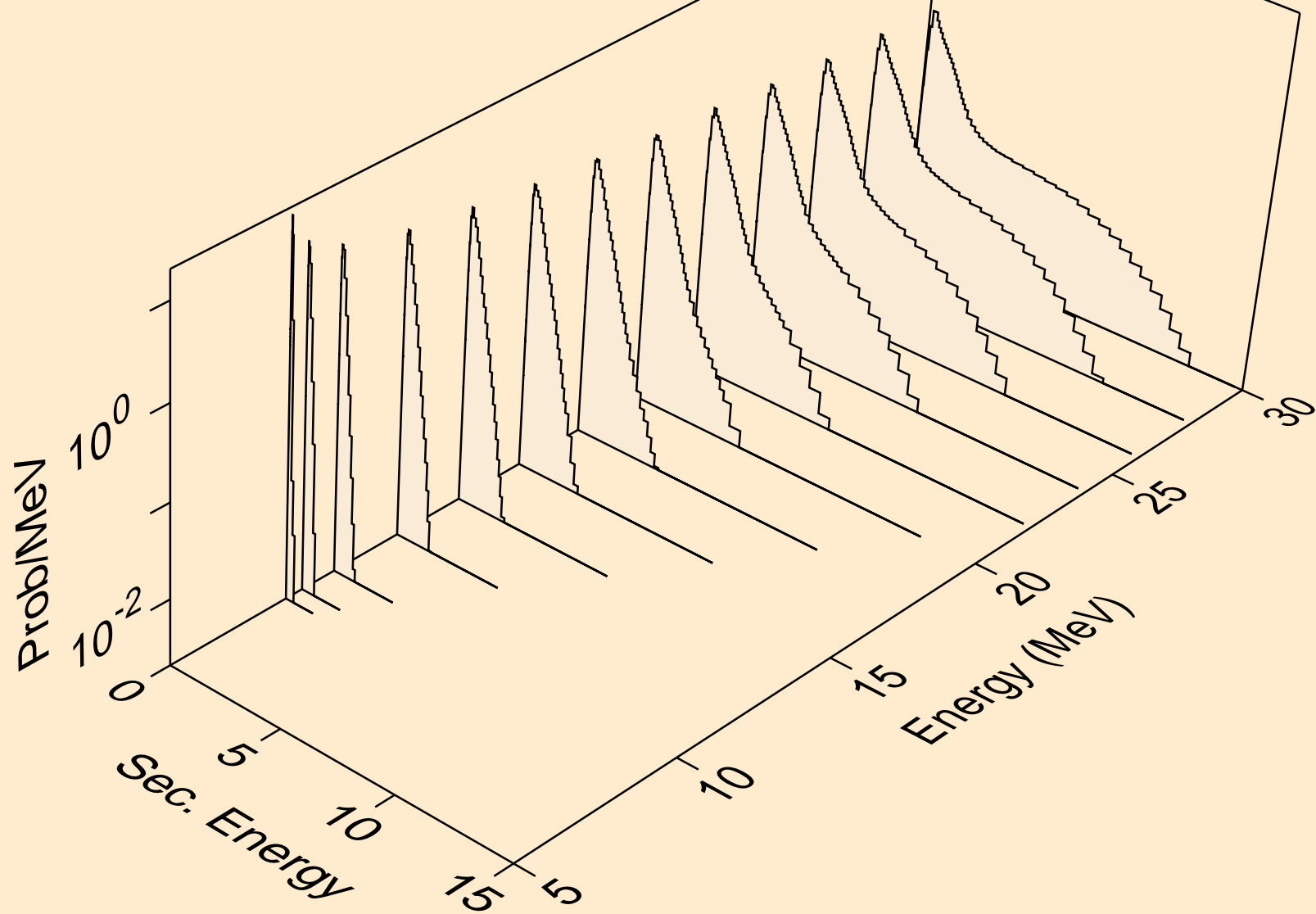
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Neutron emission for (n,2n)a



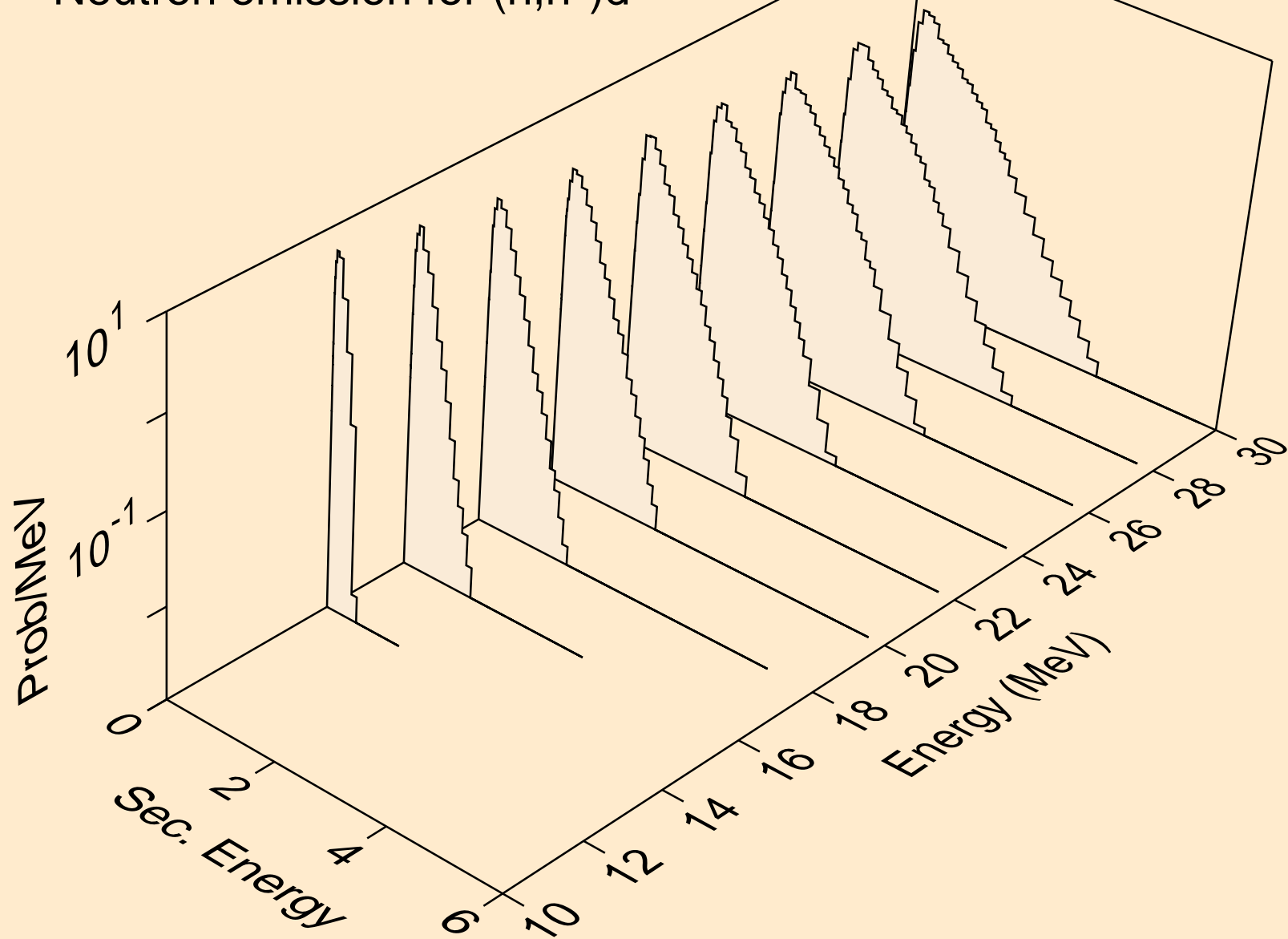
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Neutron emission for (n,3n)a



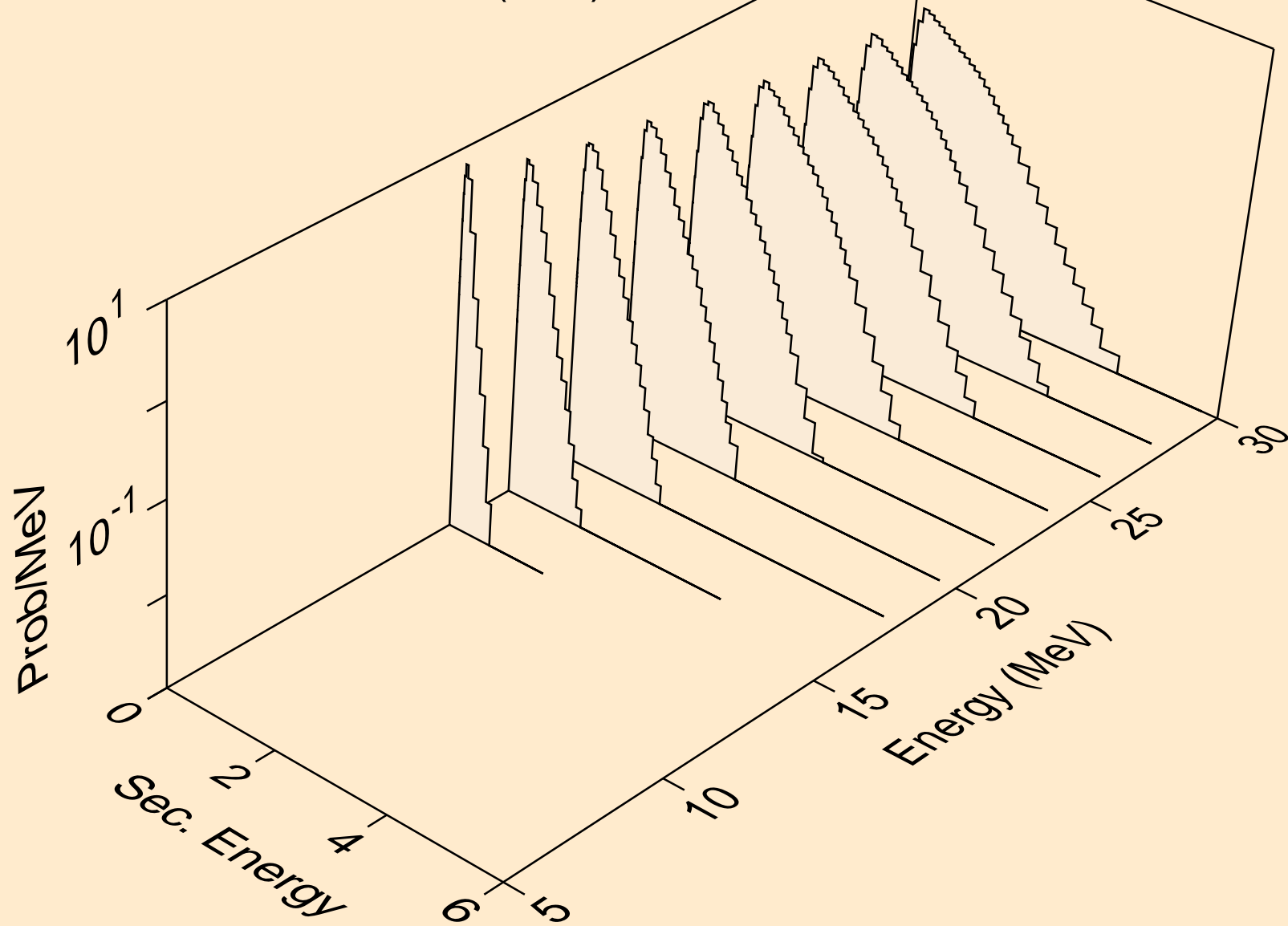
PU240 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



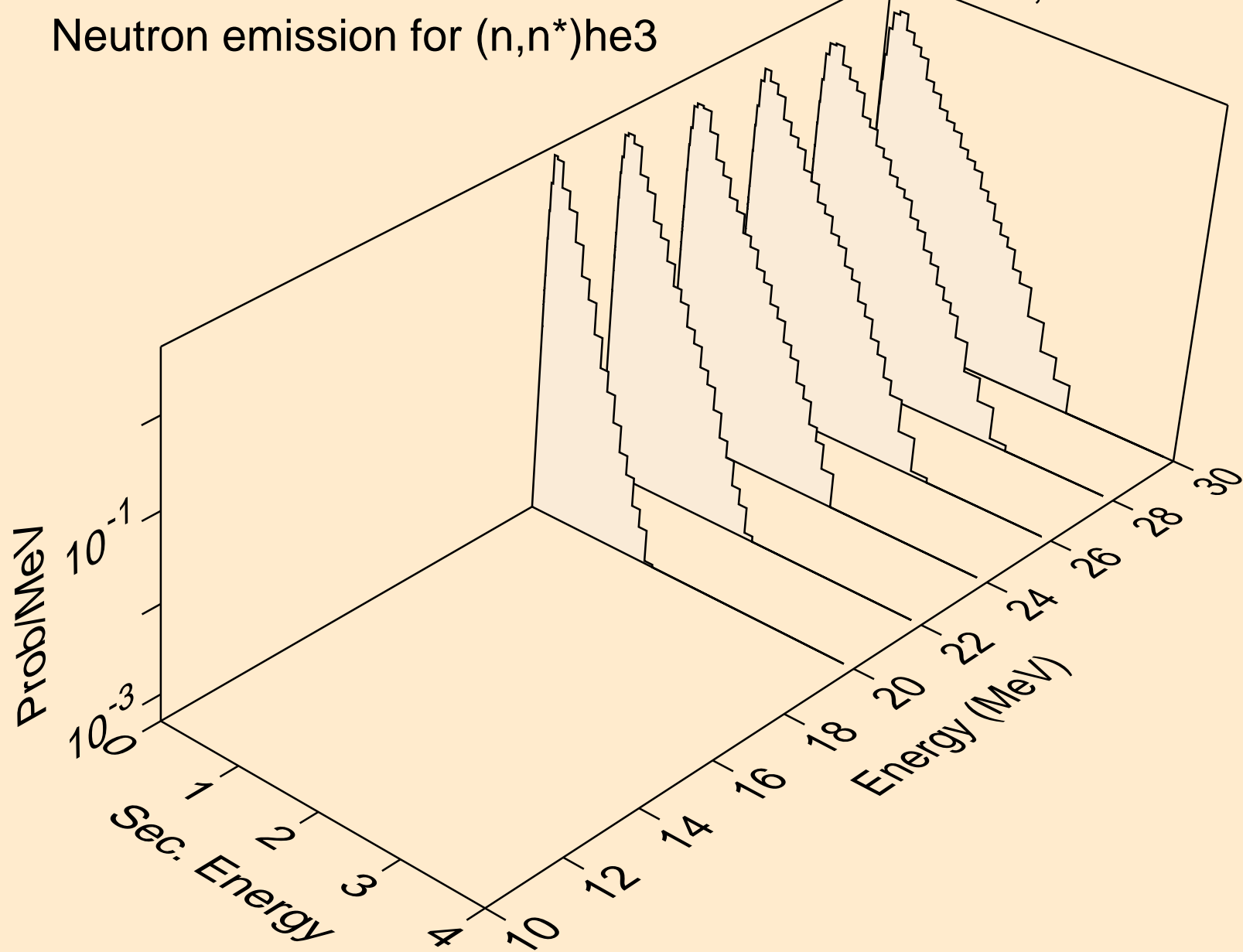
PU240 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d



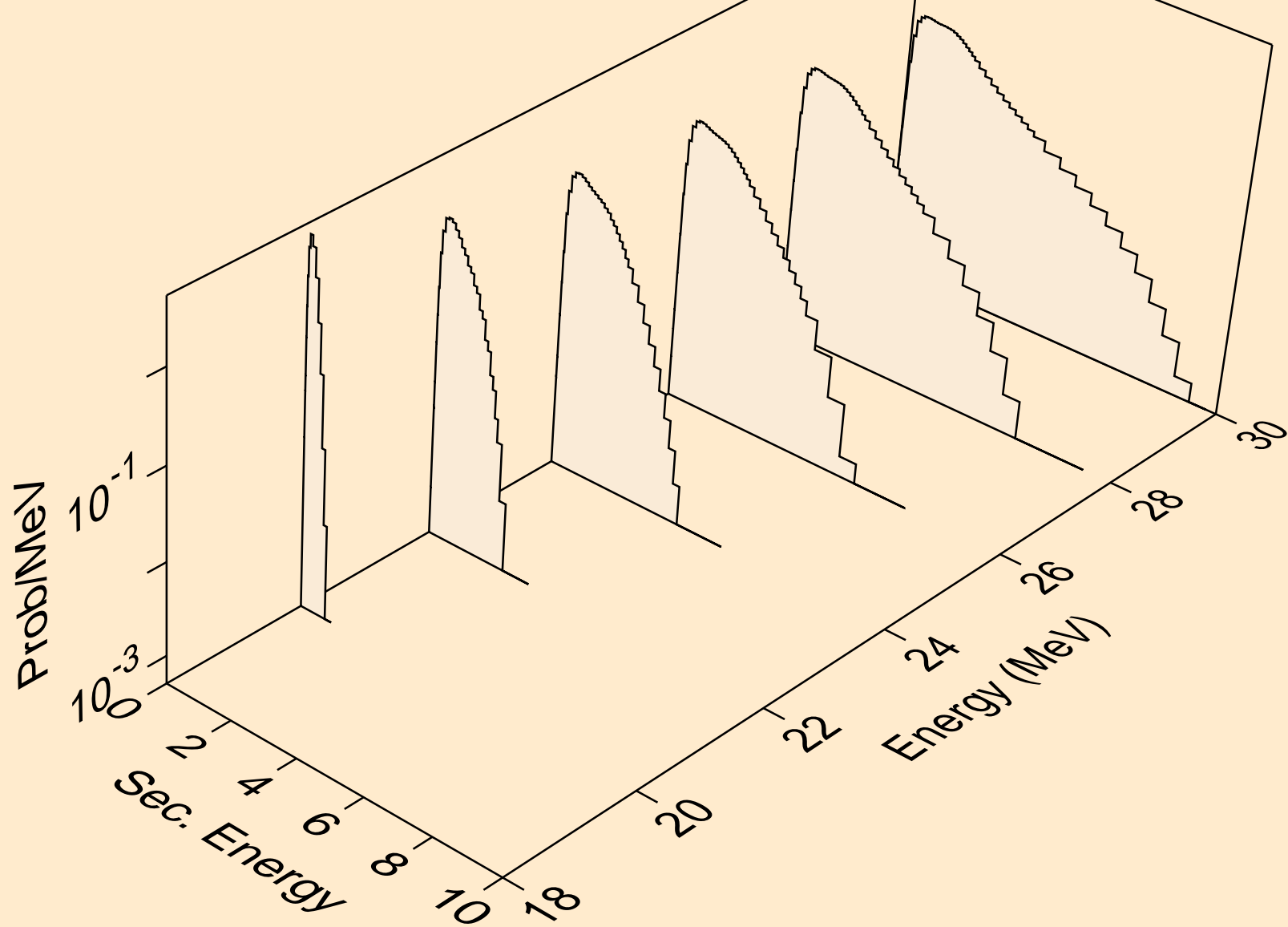
PU240 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



PU240 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3

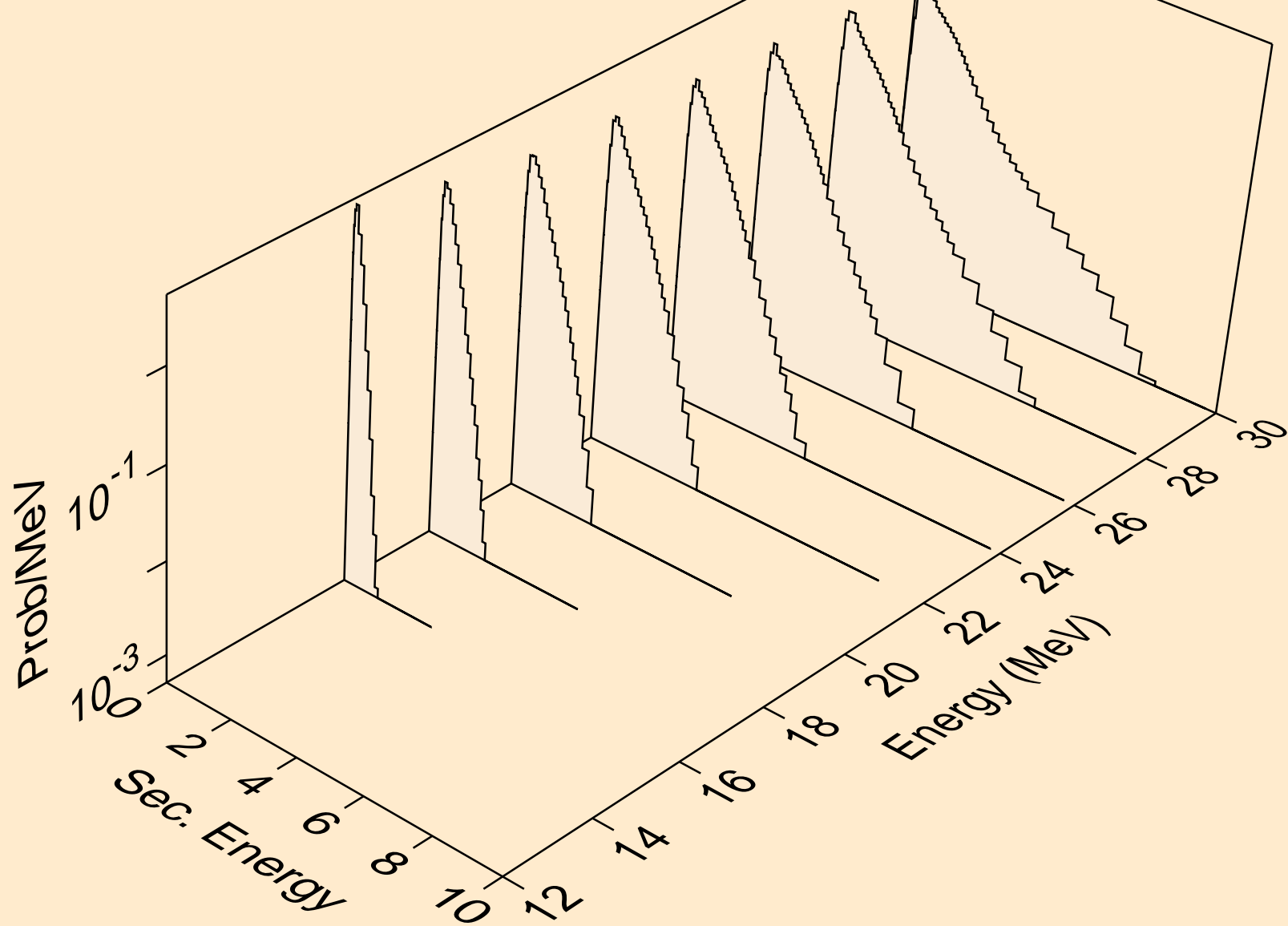


PU240 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,4n)

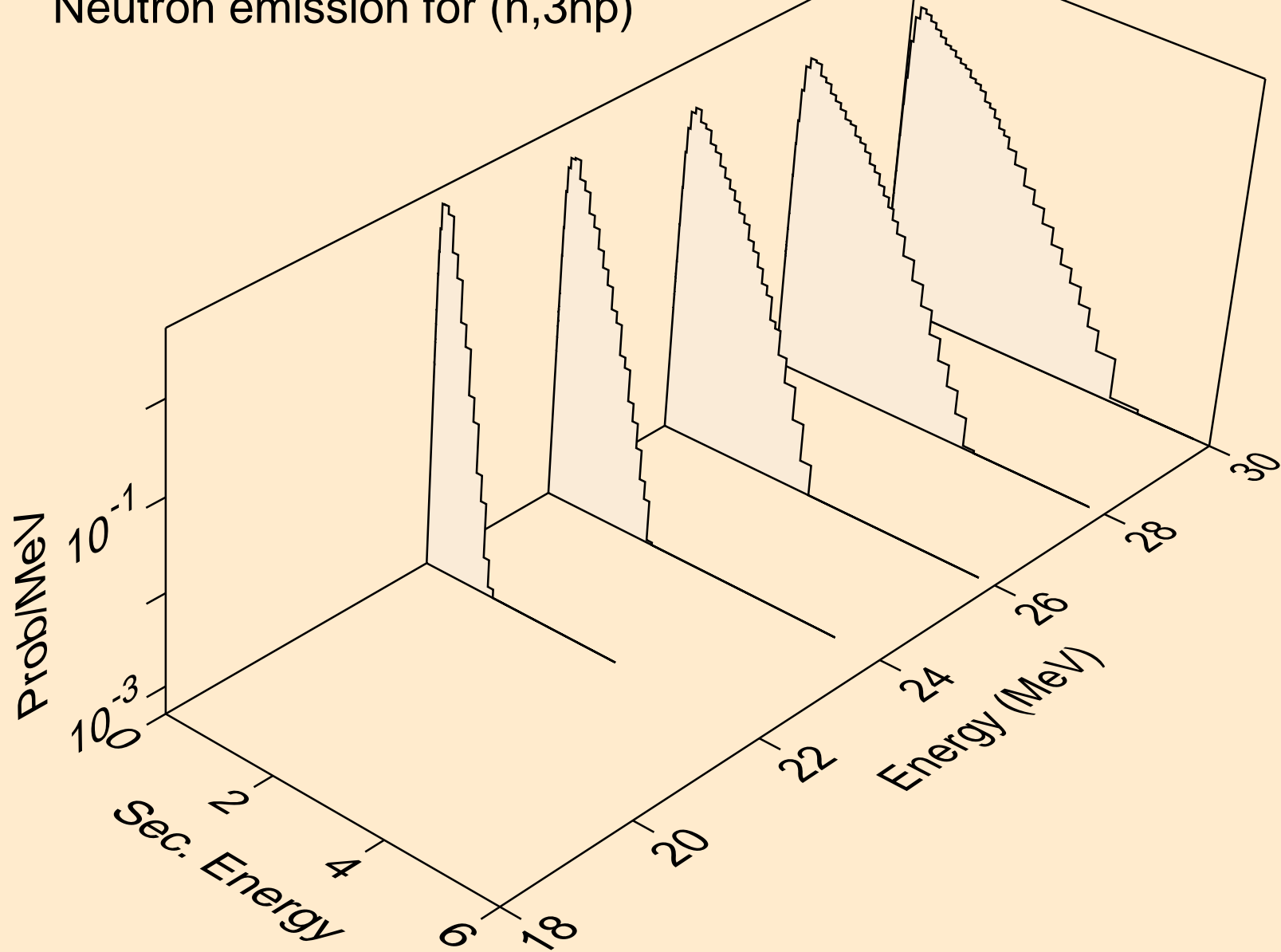




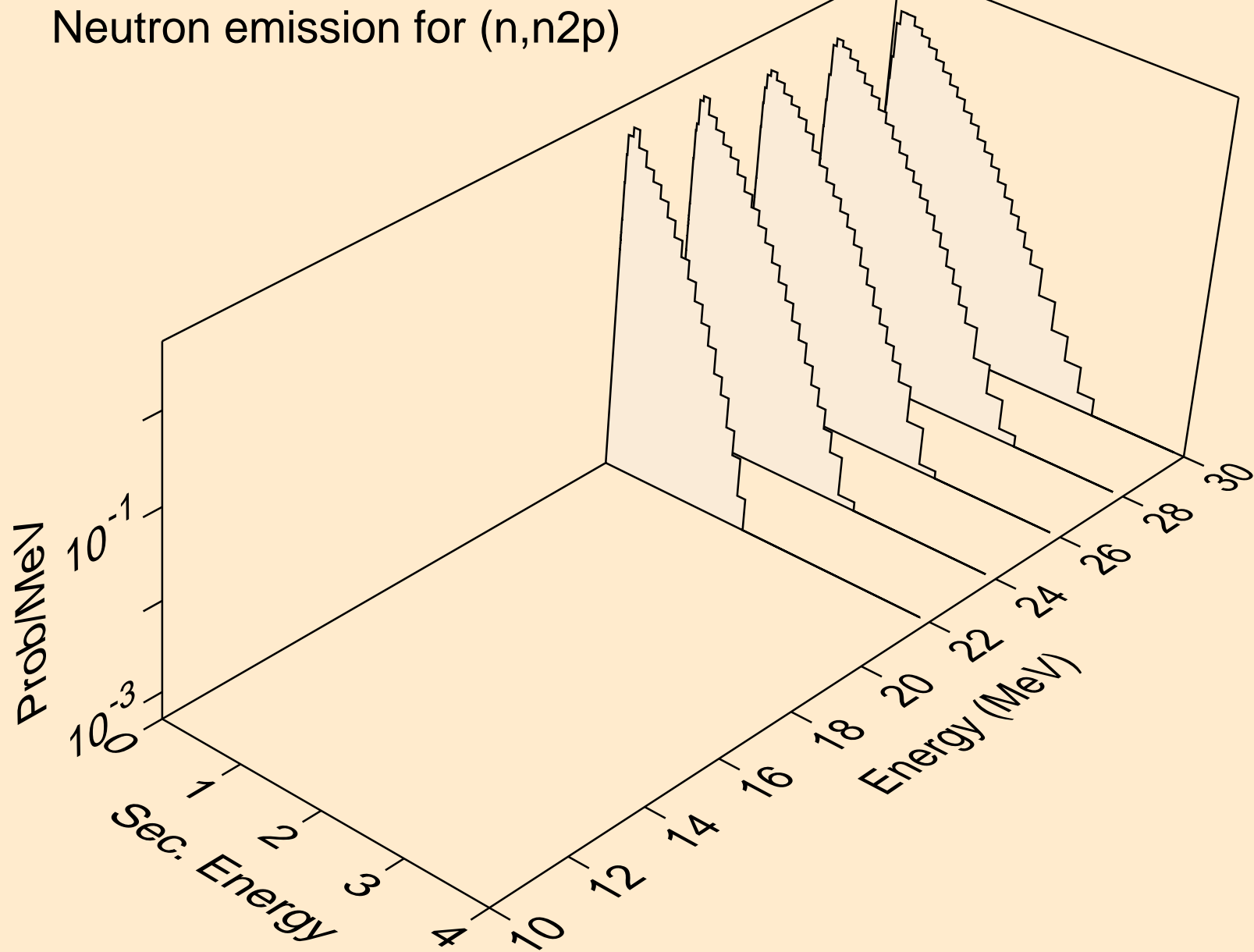
PU240 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2np)



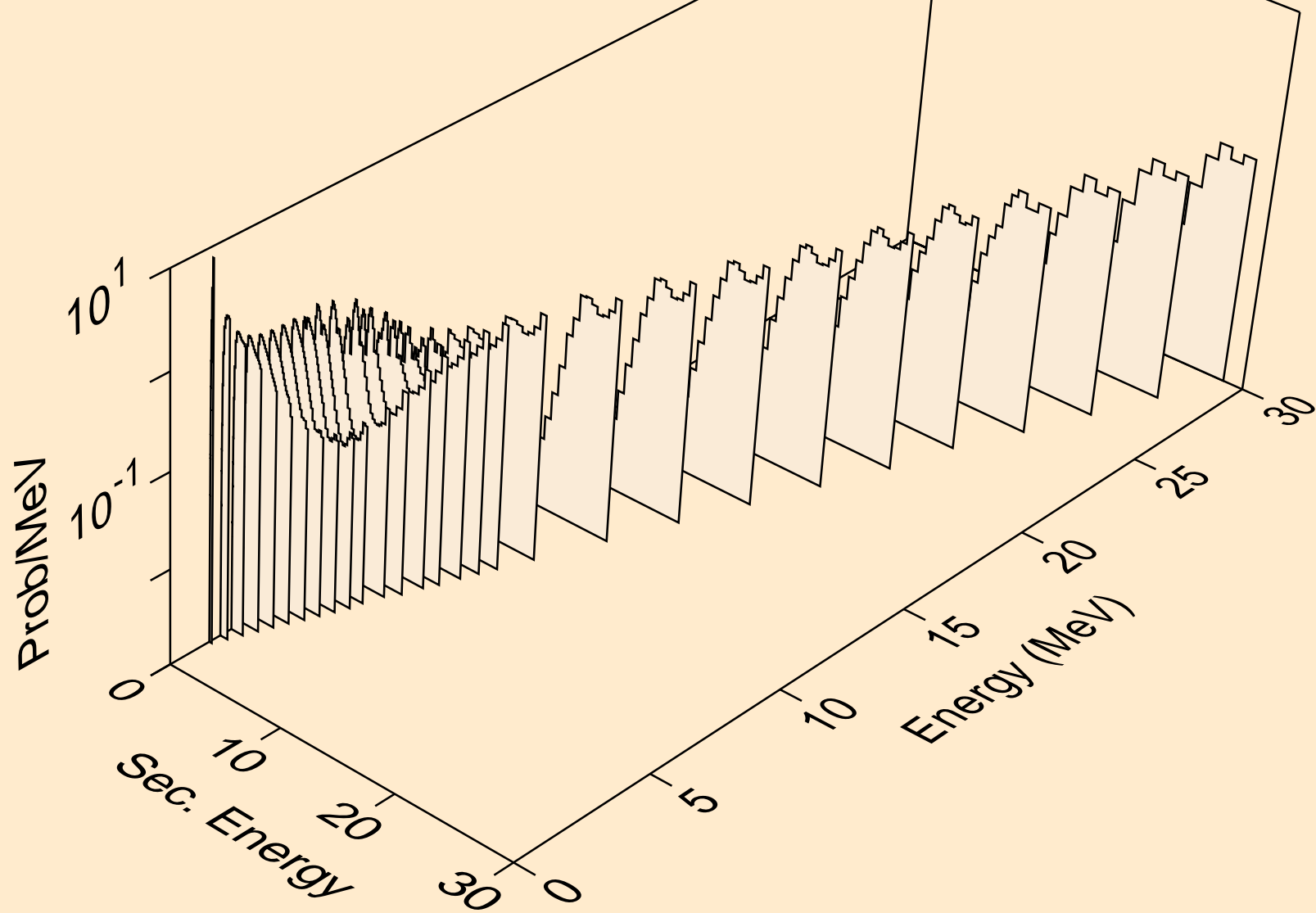
PU240 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3np)



PU240 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n2p)

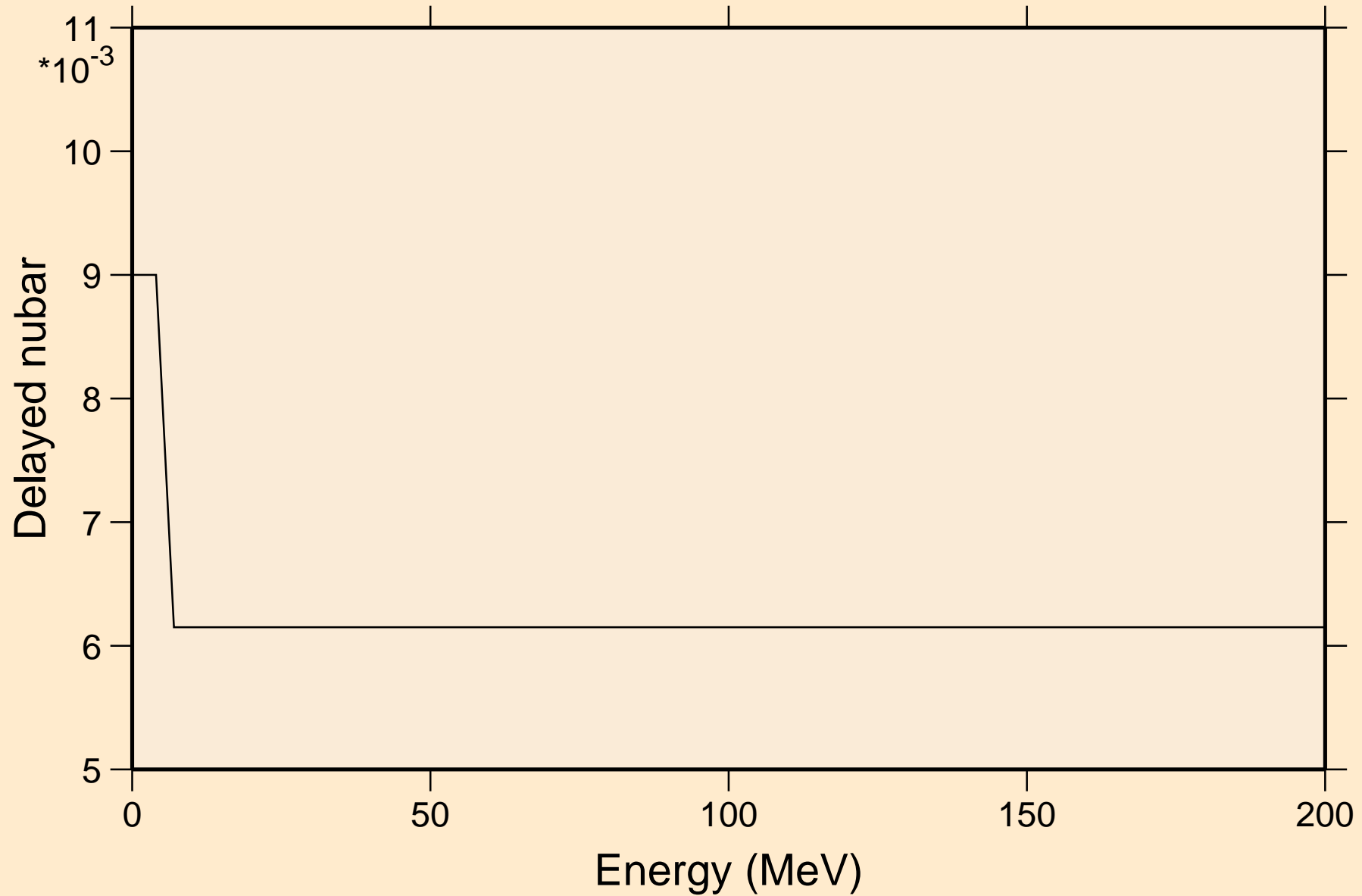


PU240 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)



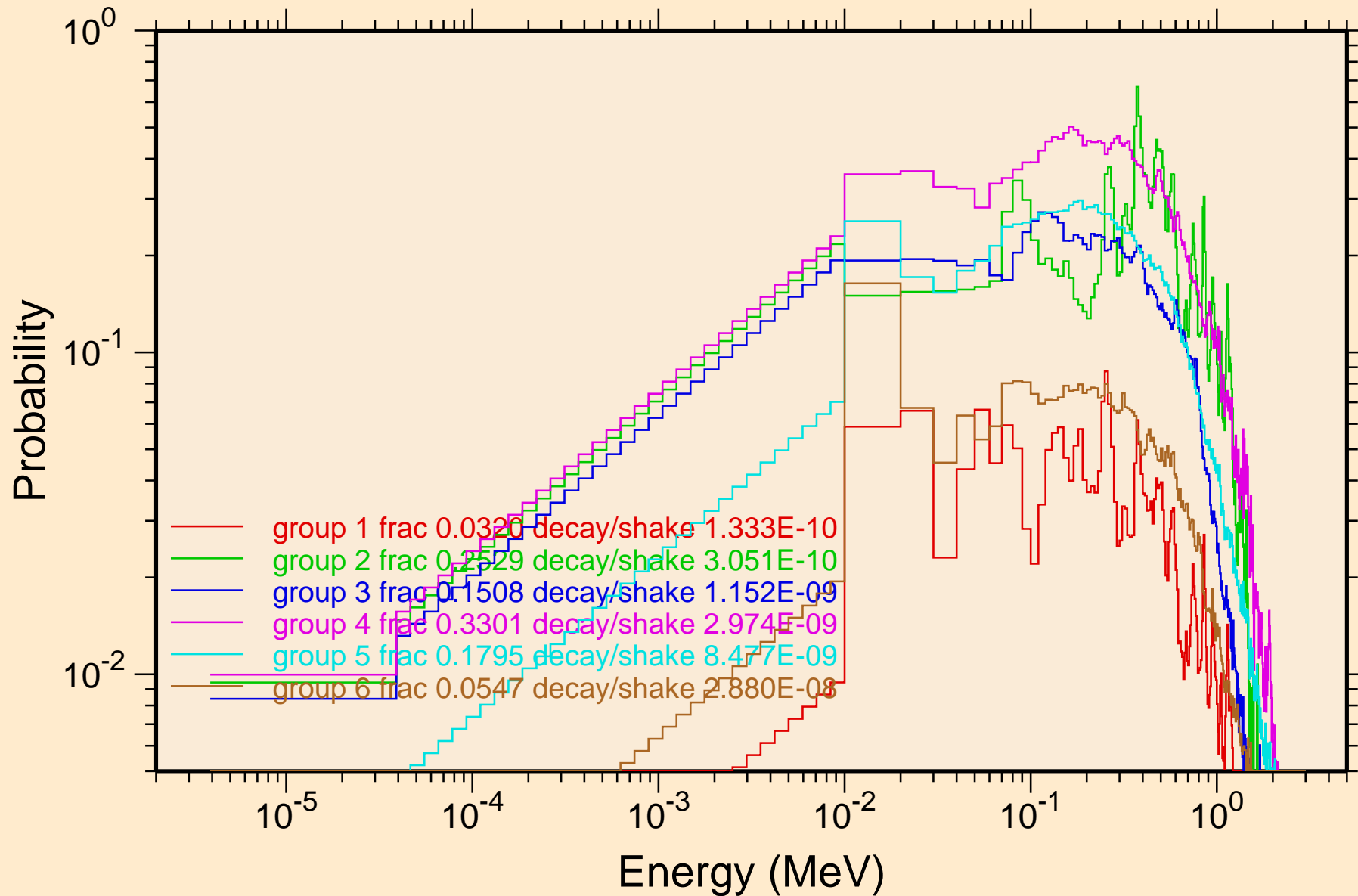
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Delayed nubar

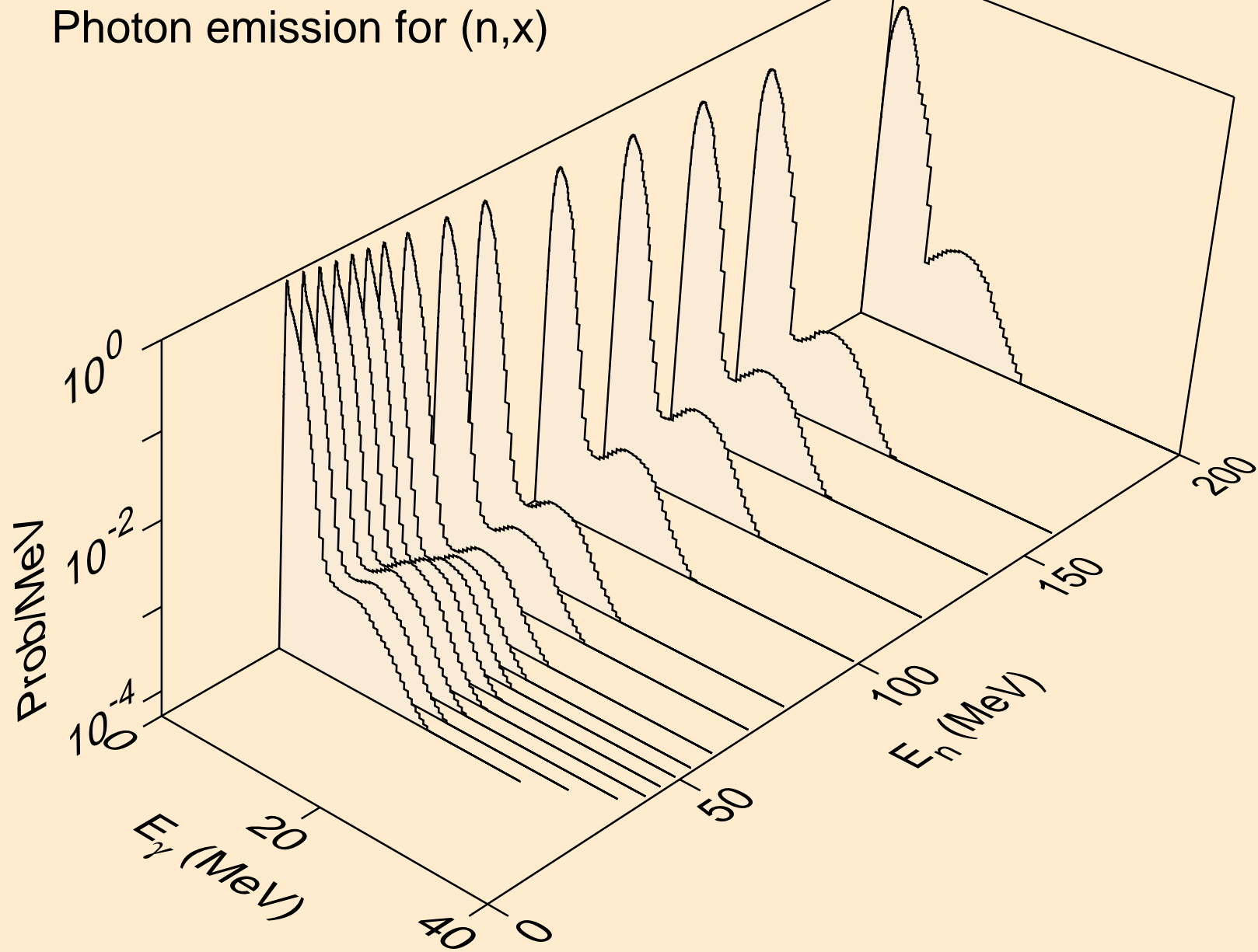


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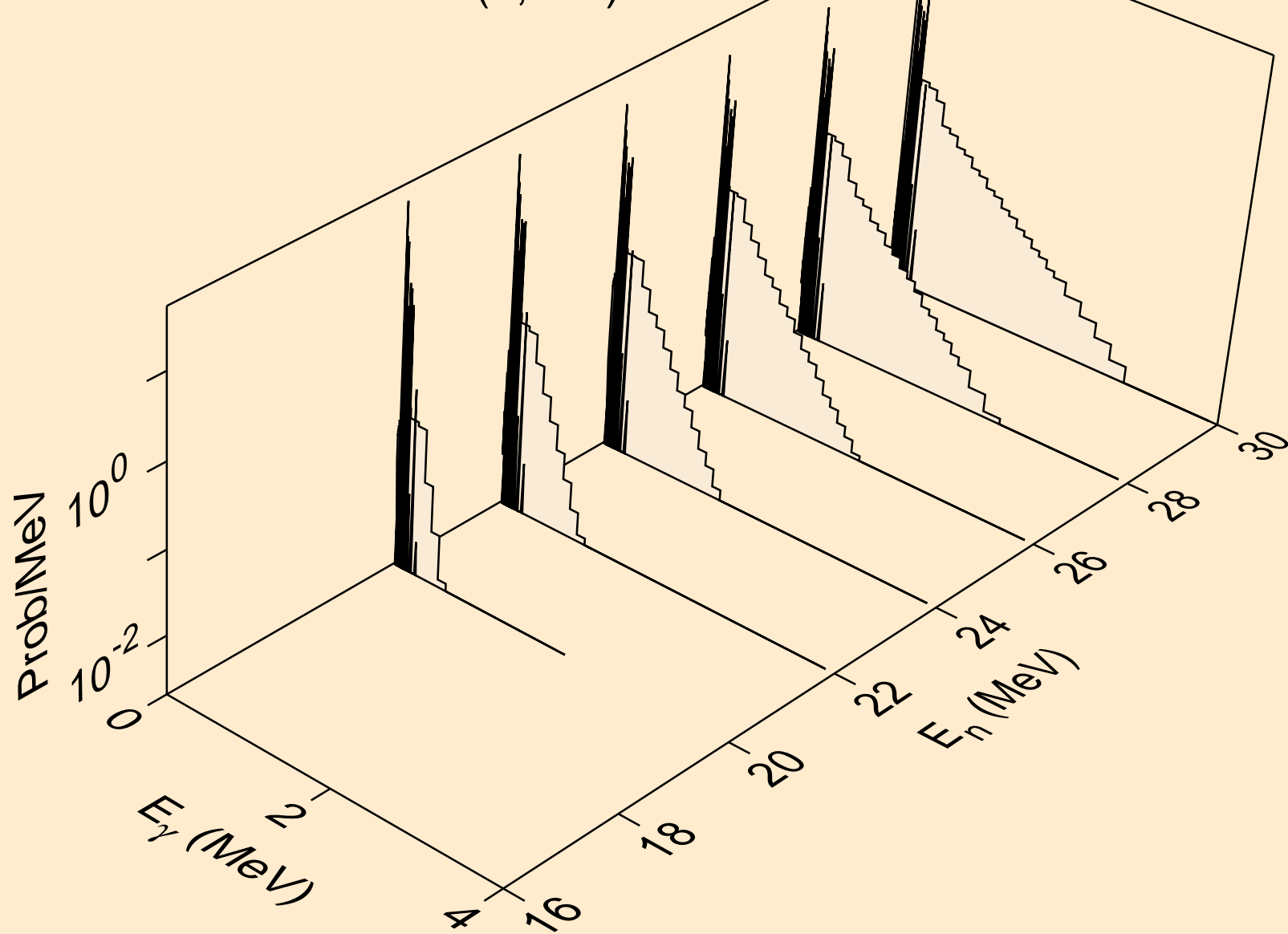
## Delayed neutron spectra



PU240 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,x)

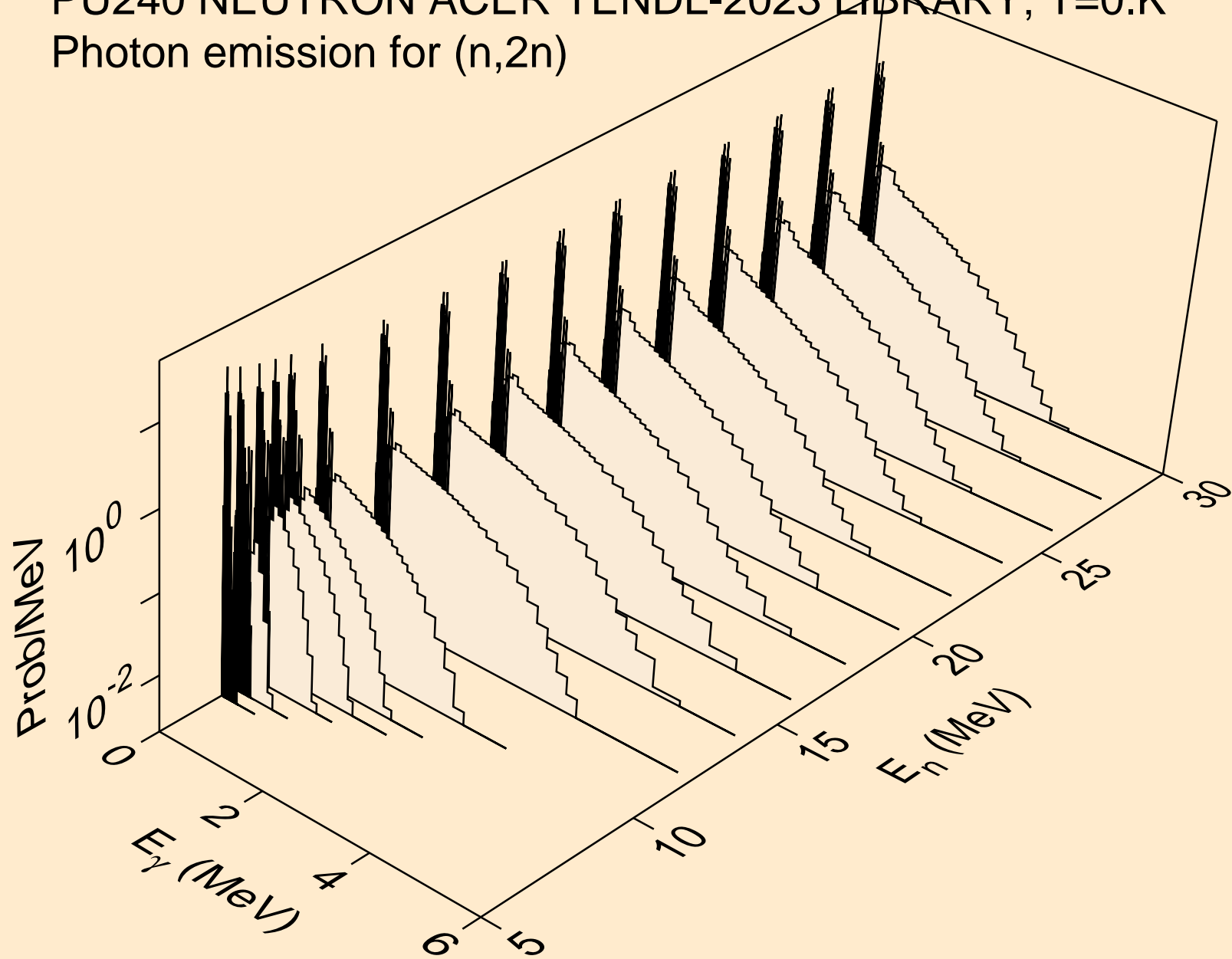


PU240 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)

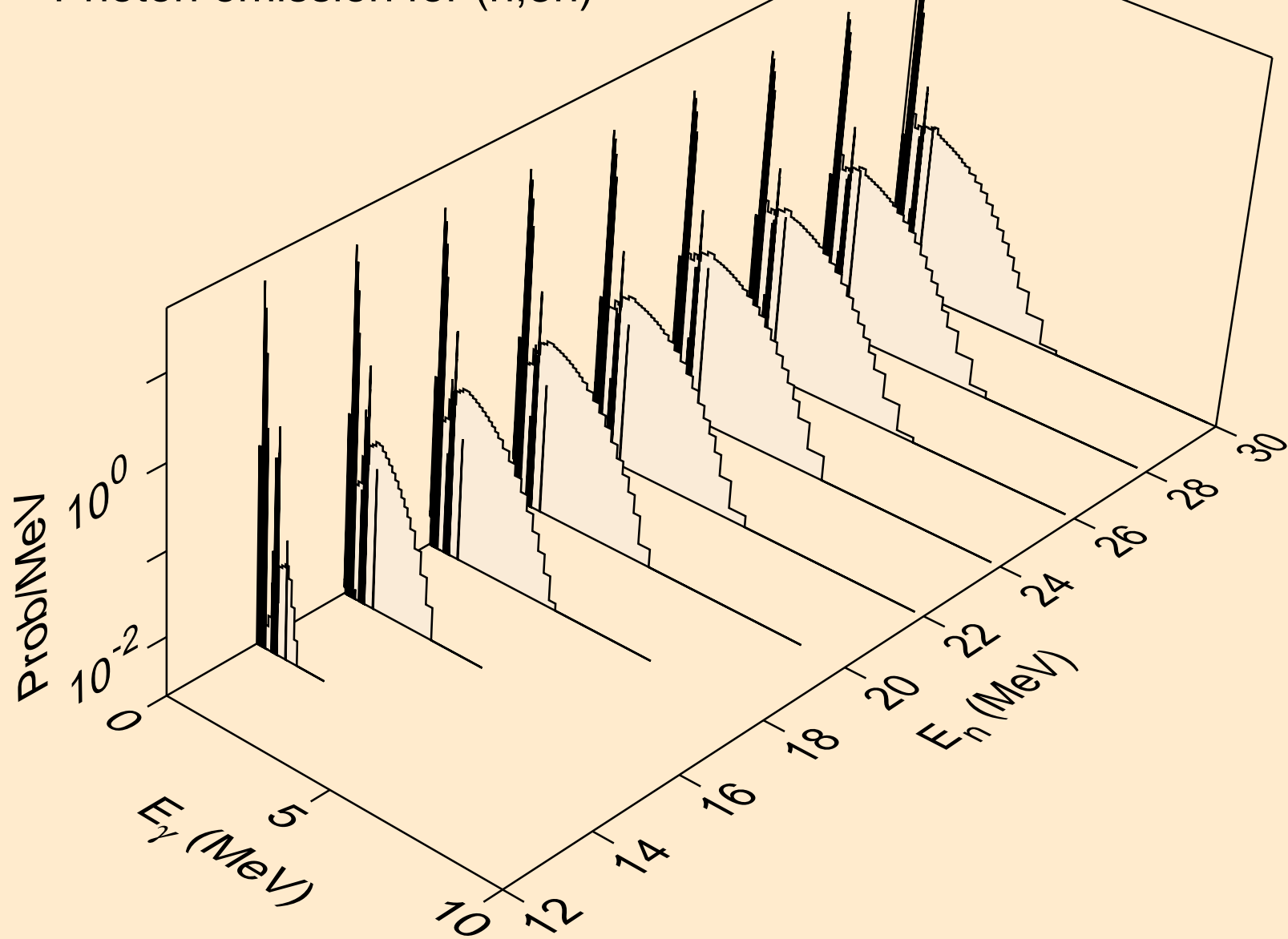




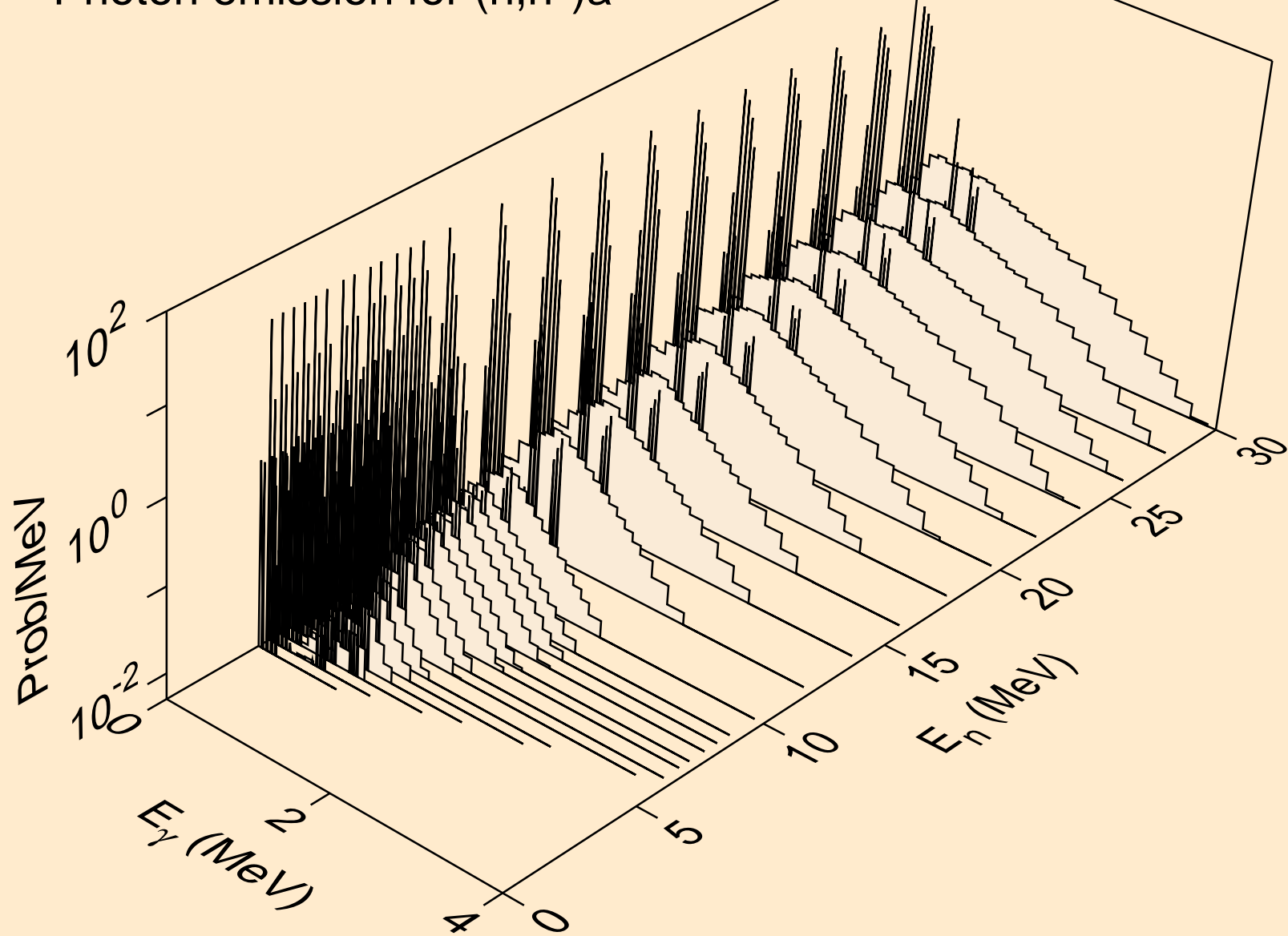
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Photon emission for (n,2n)



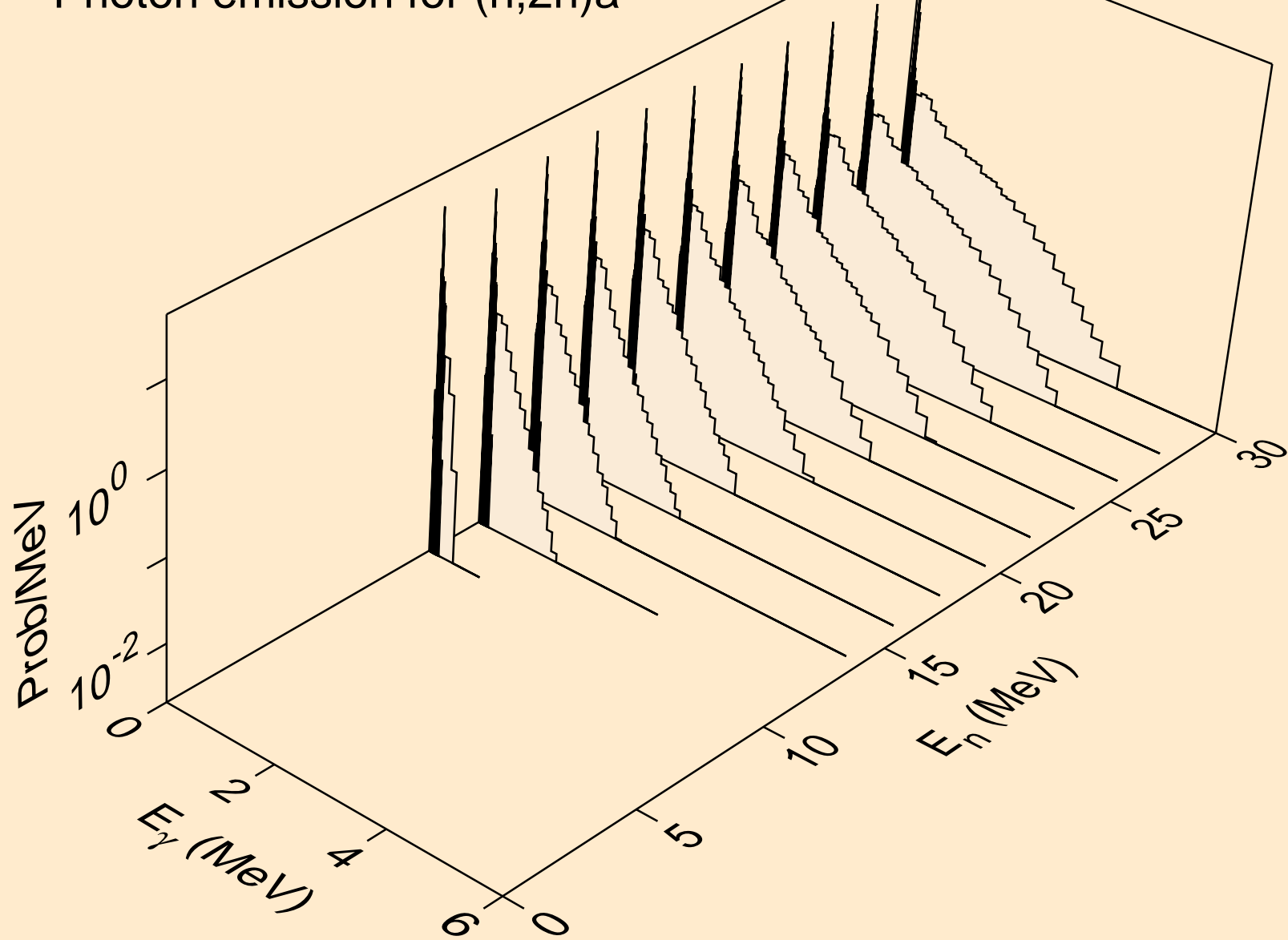
PU240 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



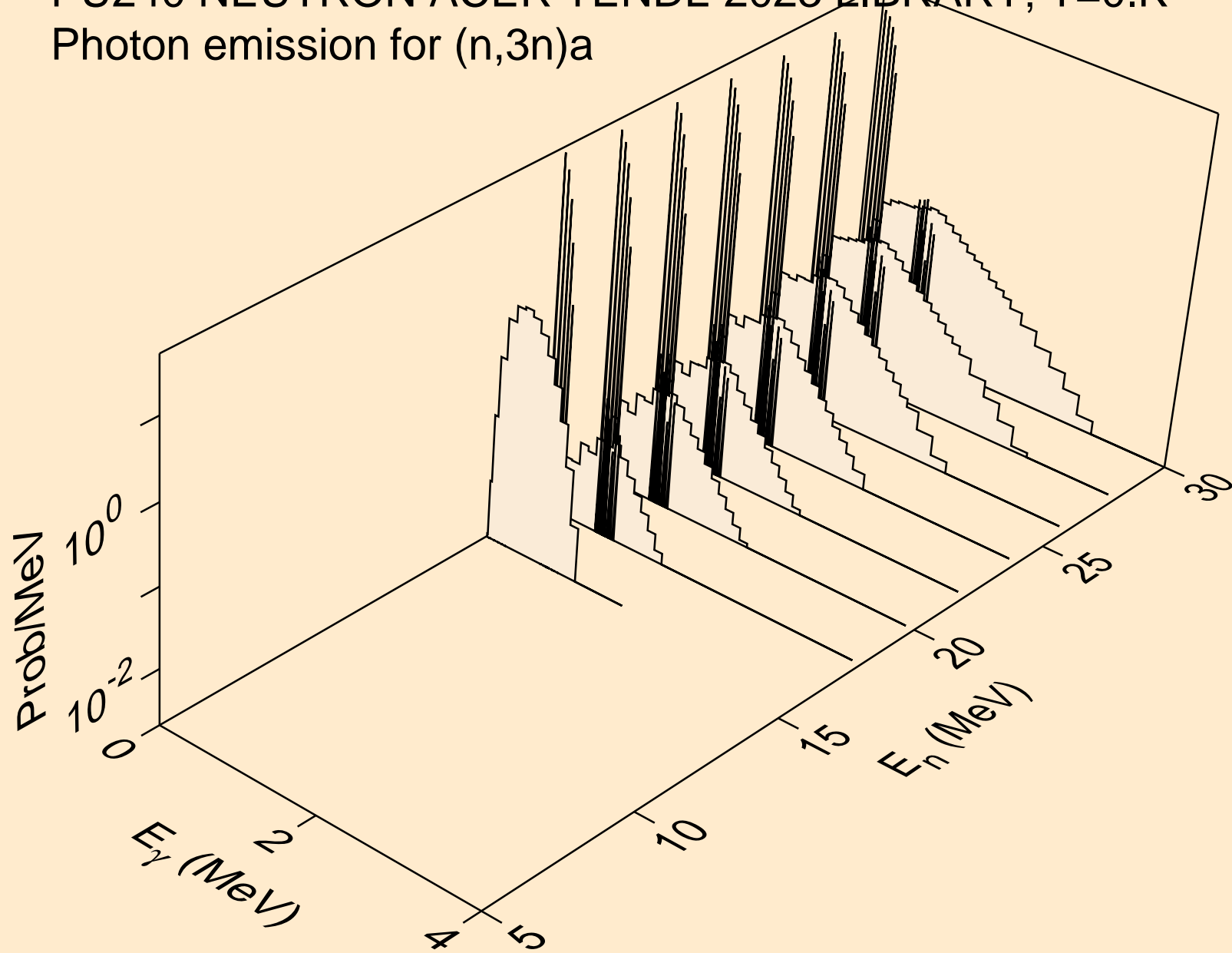
PU240 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



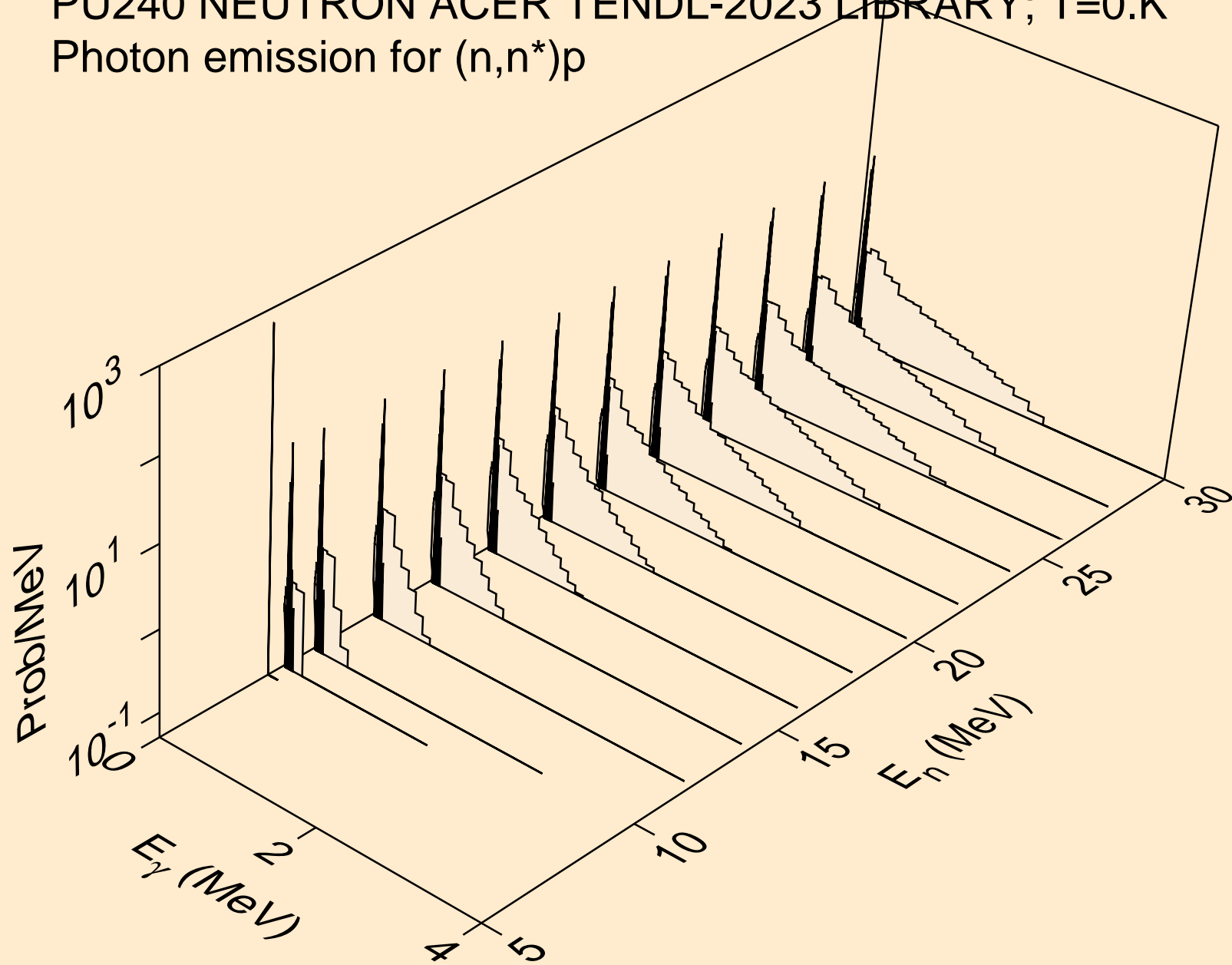
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Photon emission for (n,2n)a



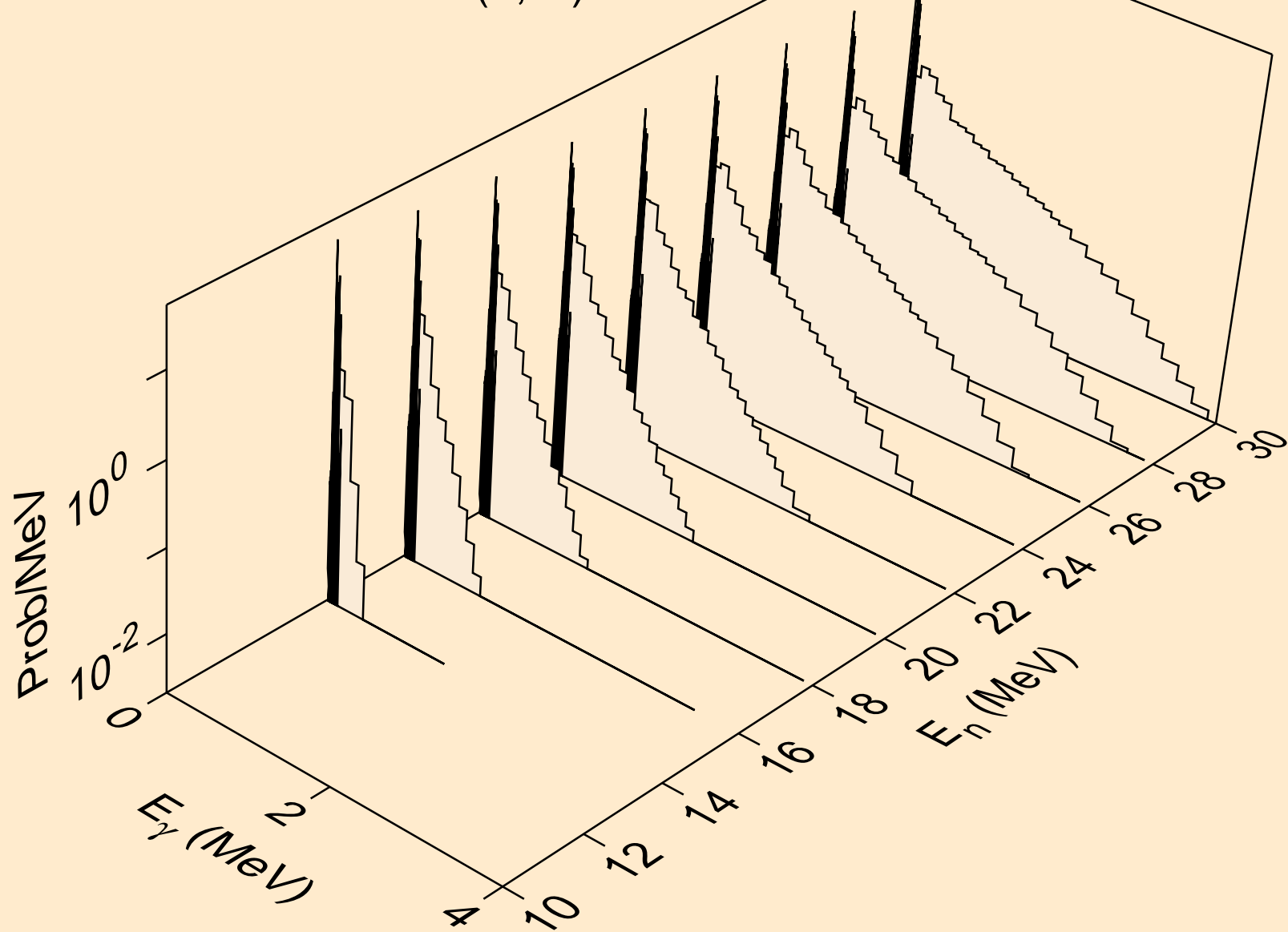
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Photon emission for (n,3n)a



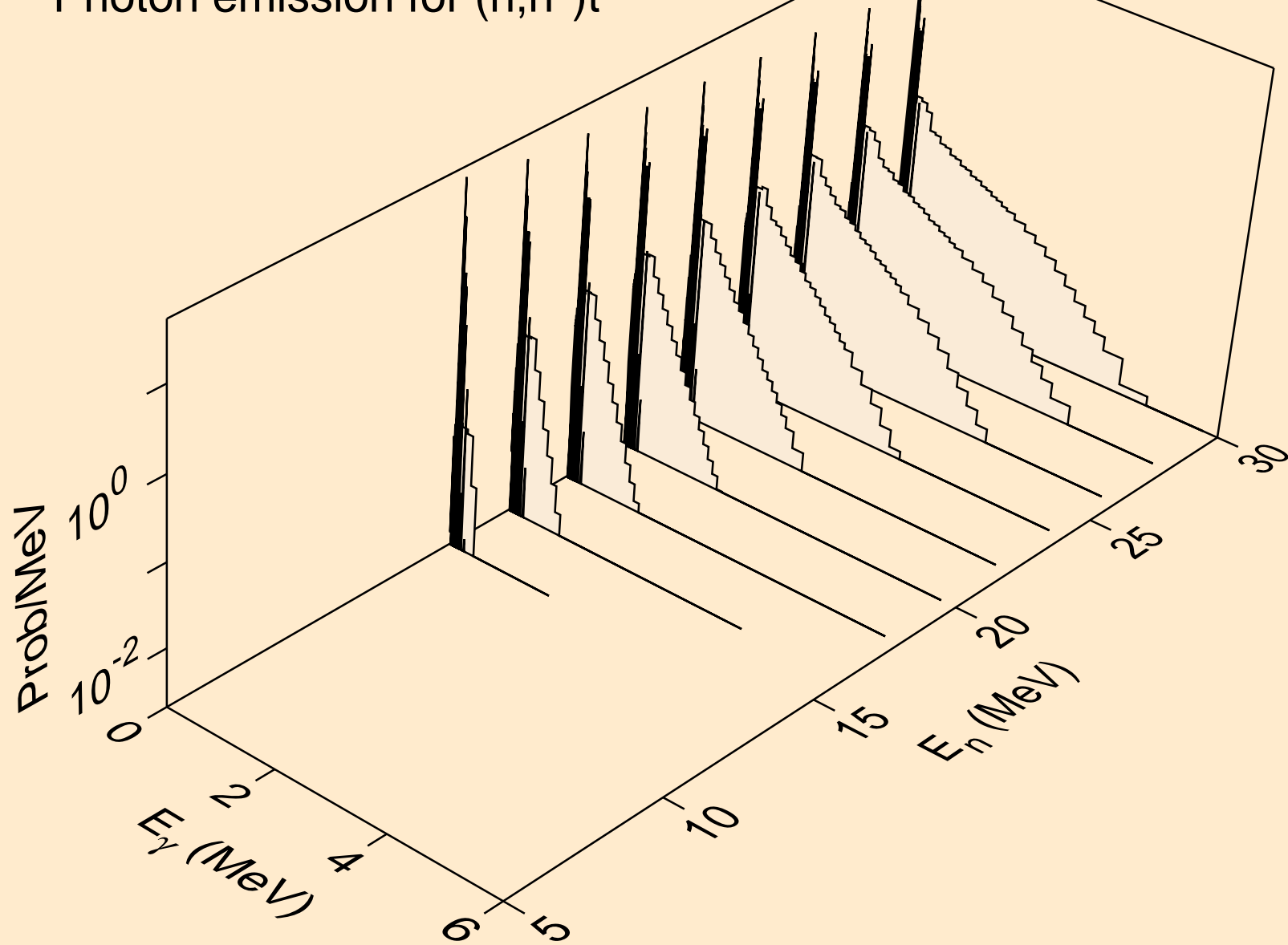
PU240 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



PU240 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d

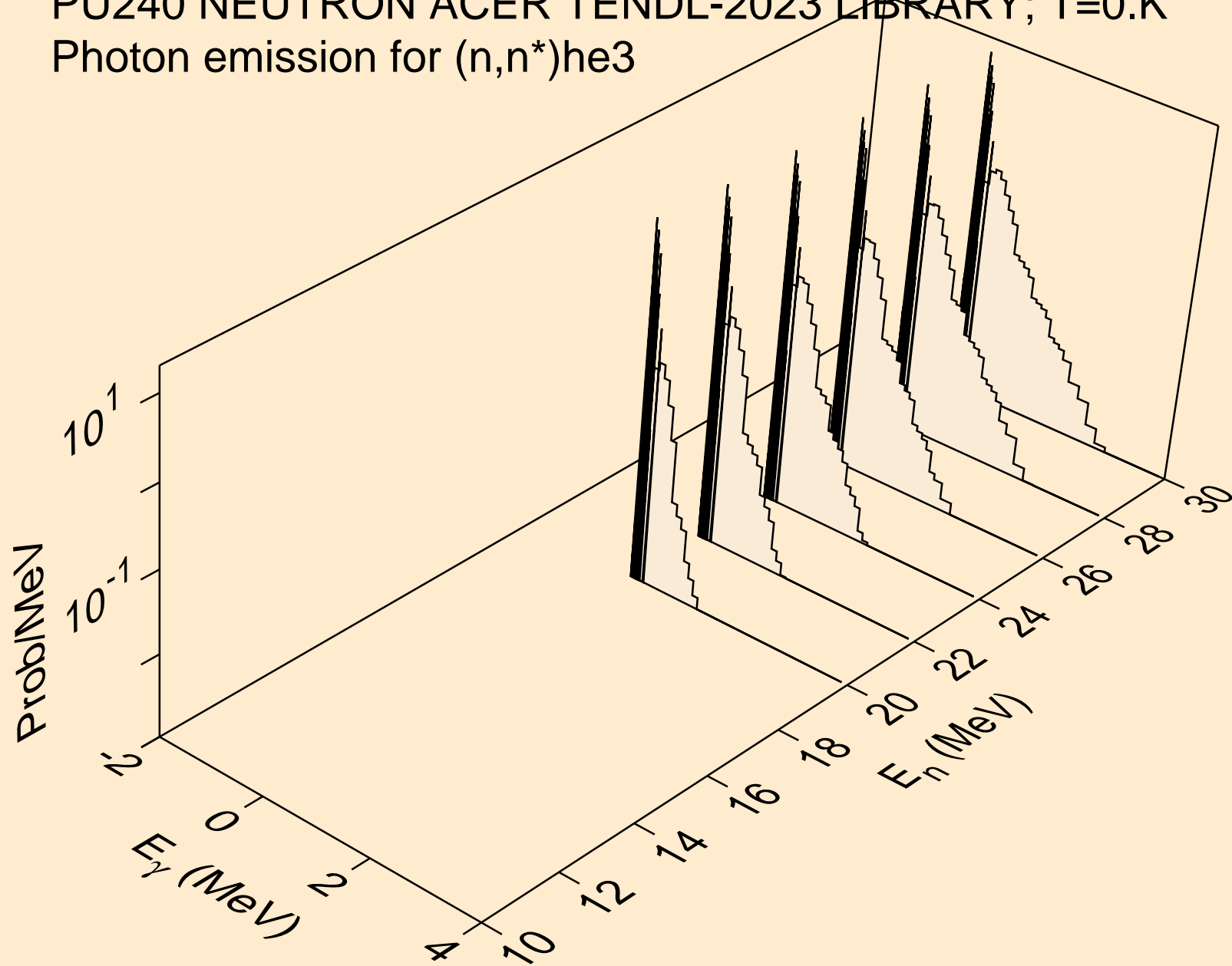


PU240 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t

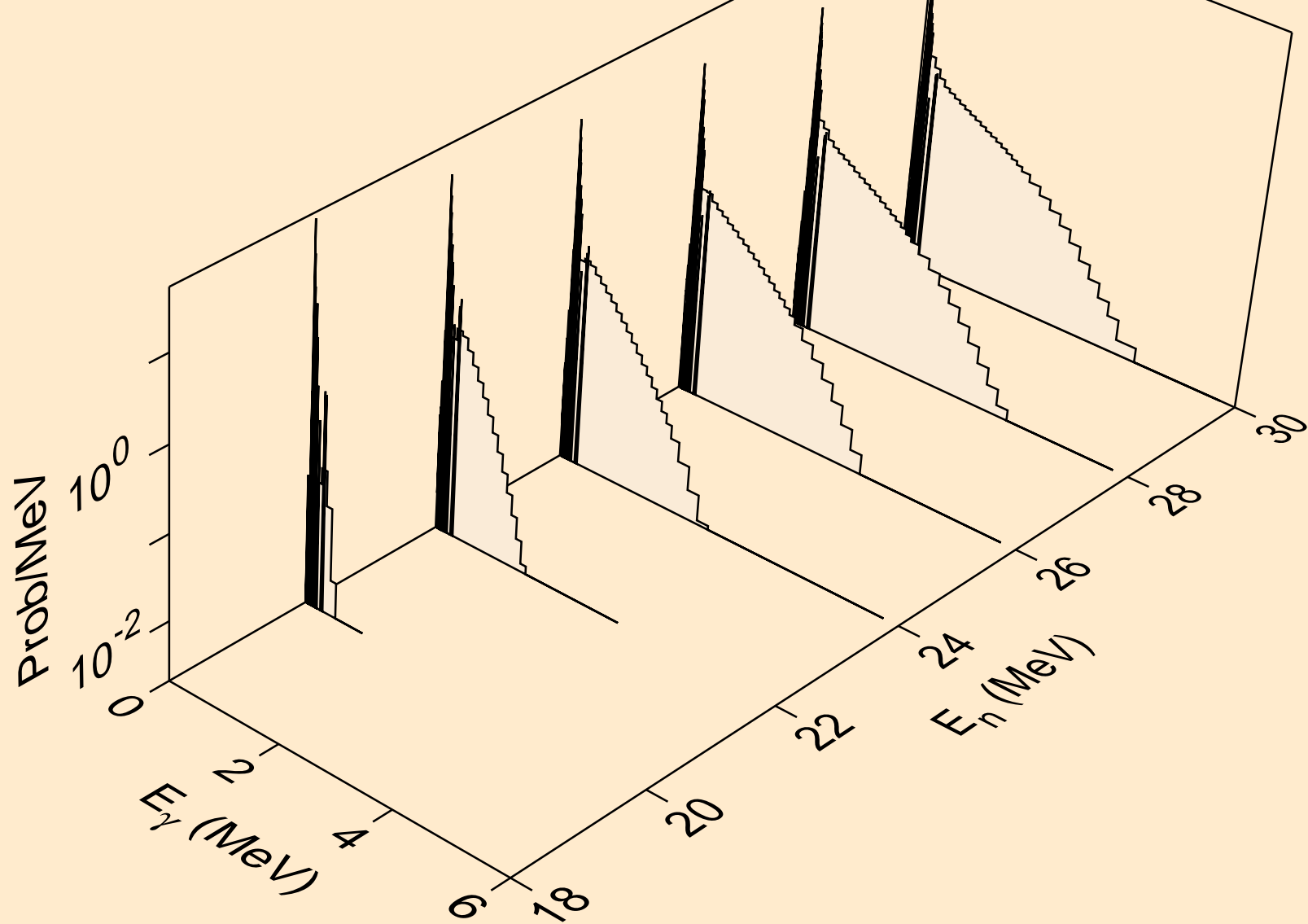




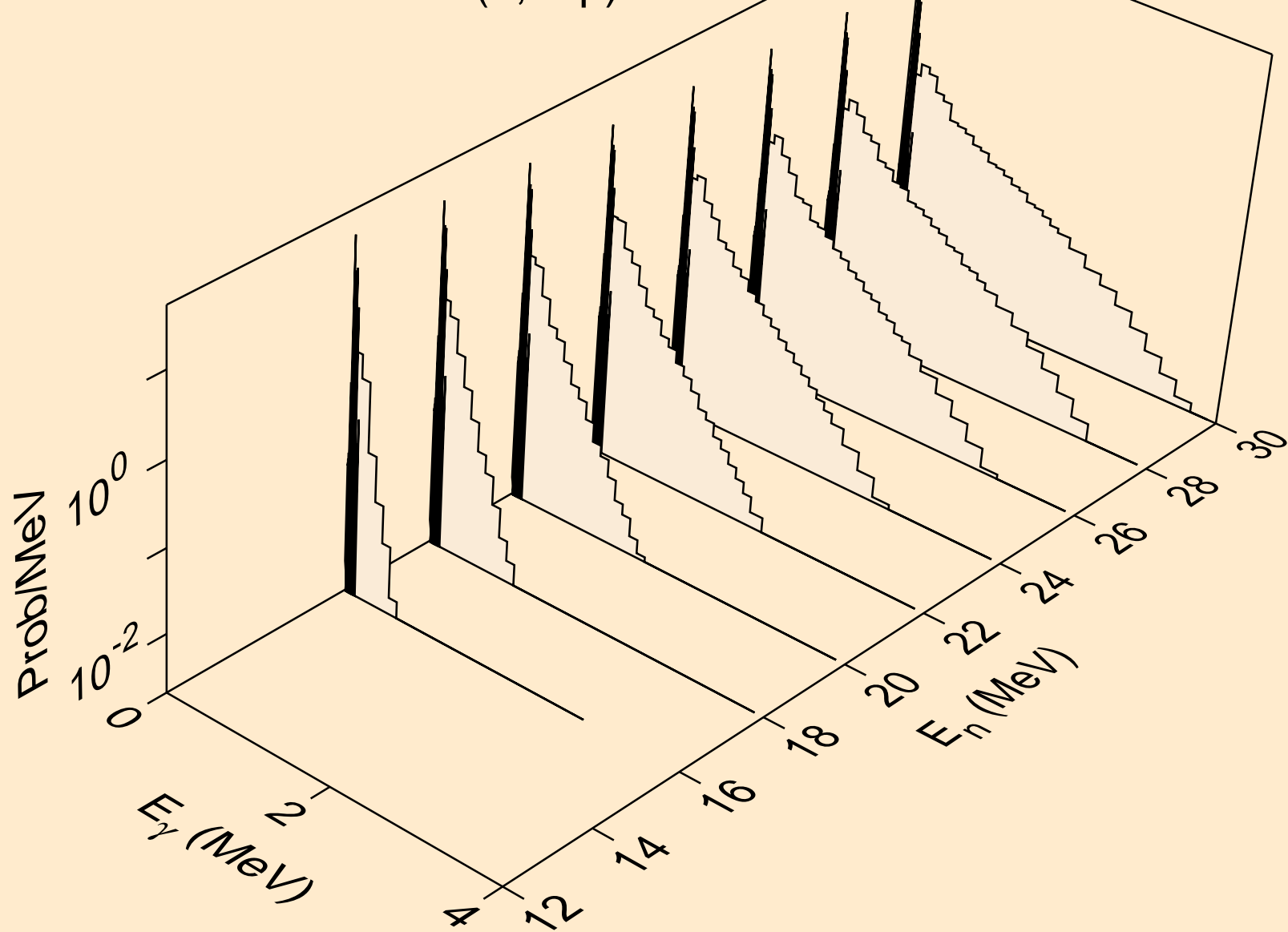
PU240 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



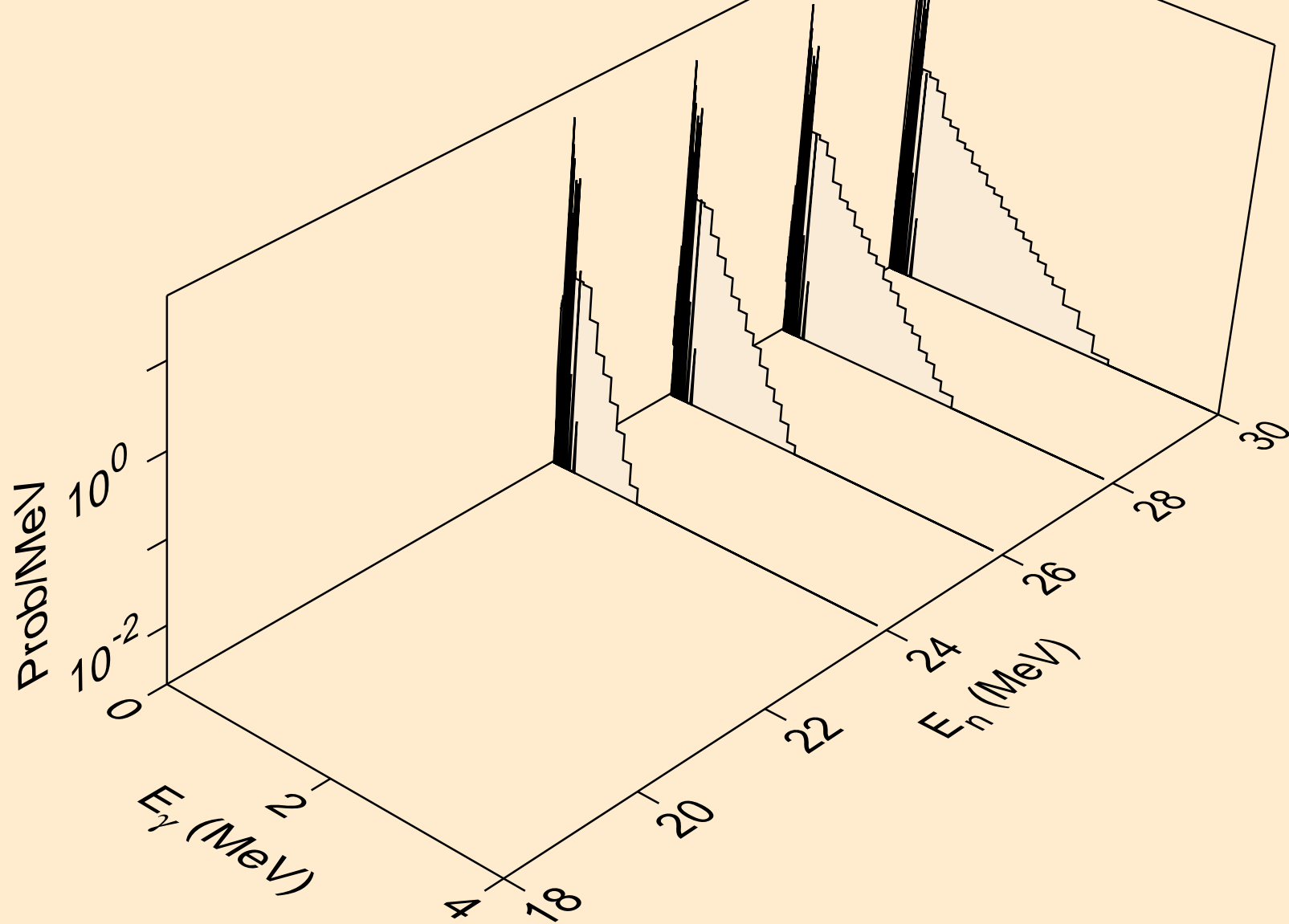
PU240 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,4n)



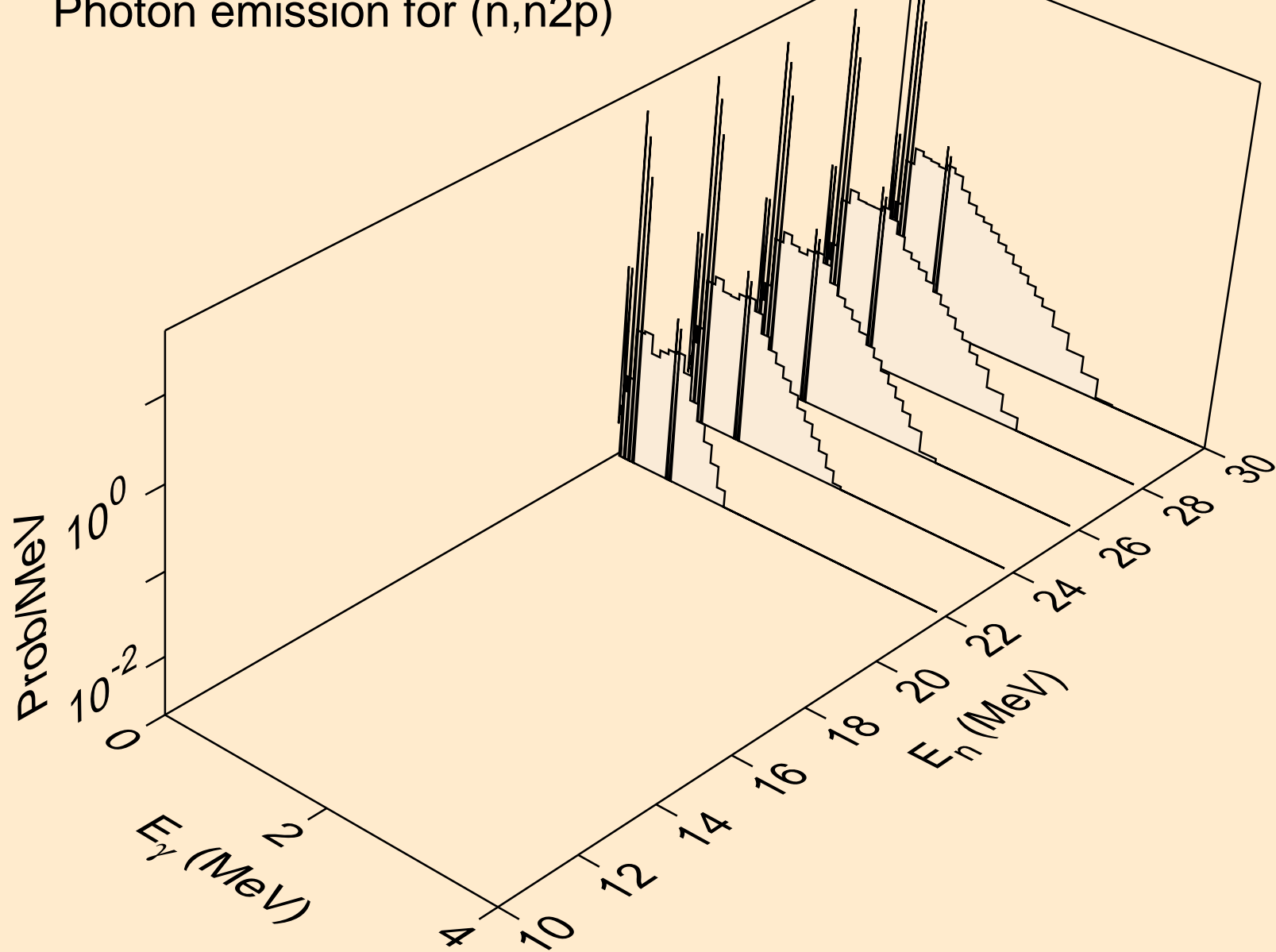
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Photon emission for (n,2np)



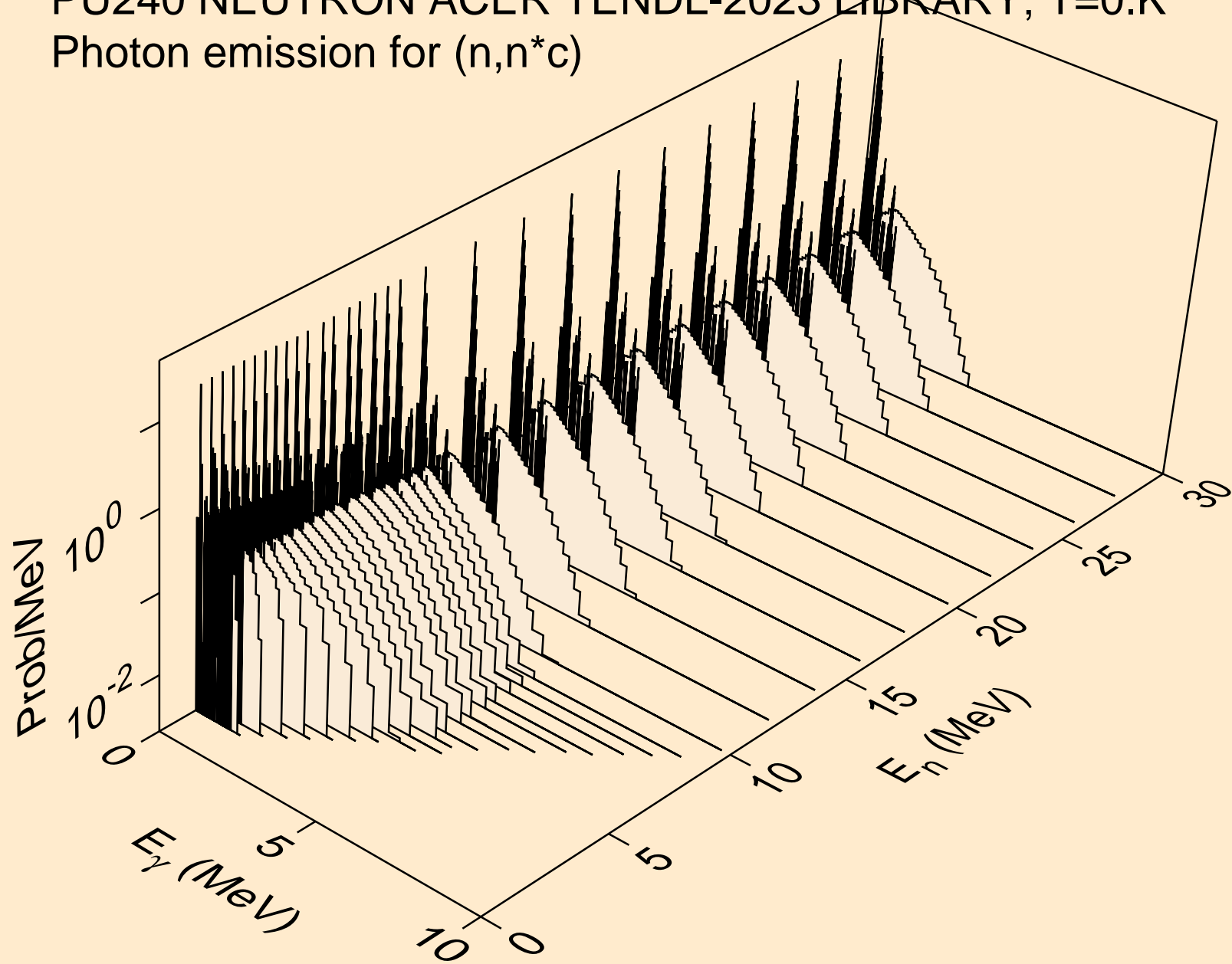
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Photon emission for (n,3np)



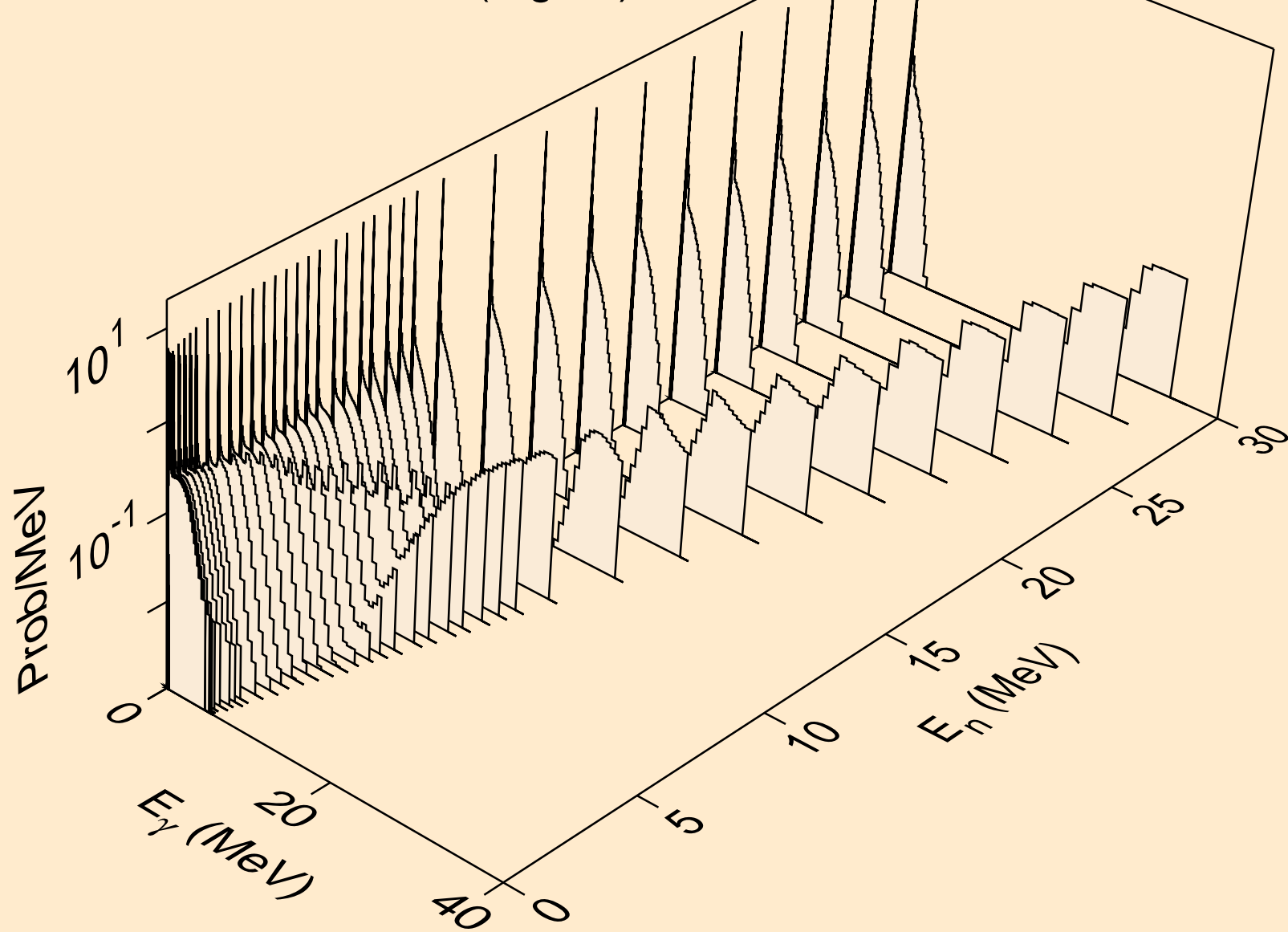
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Photon emission for (n,n2p)



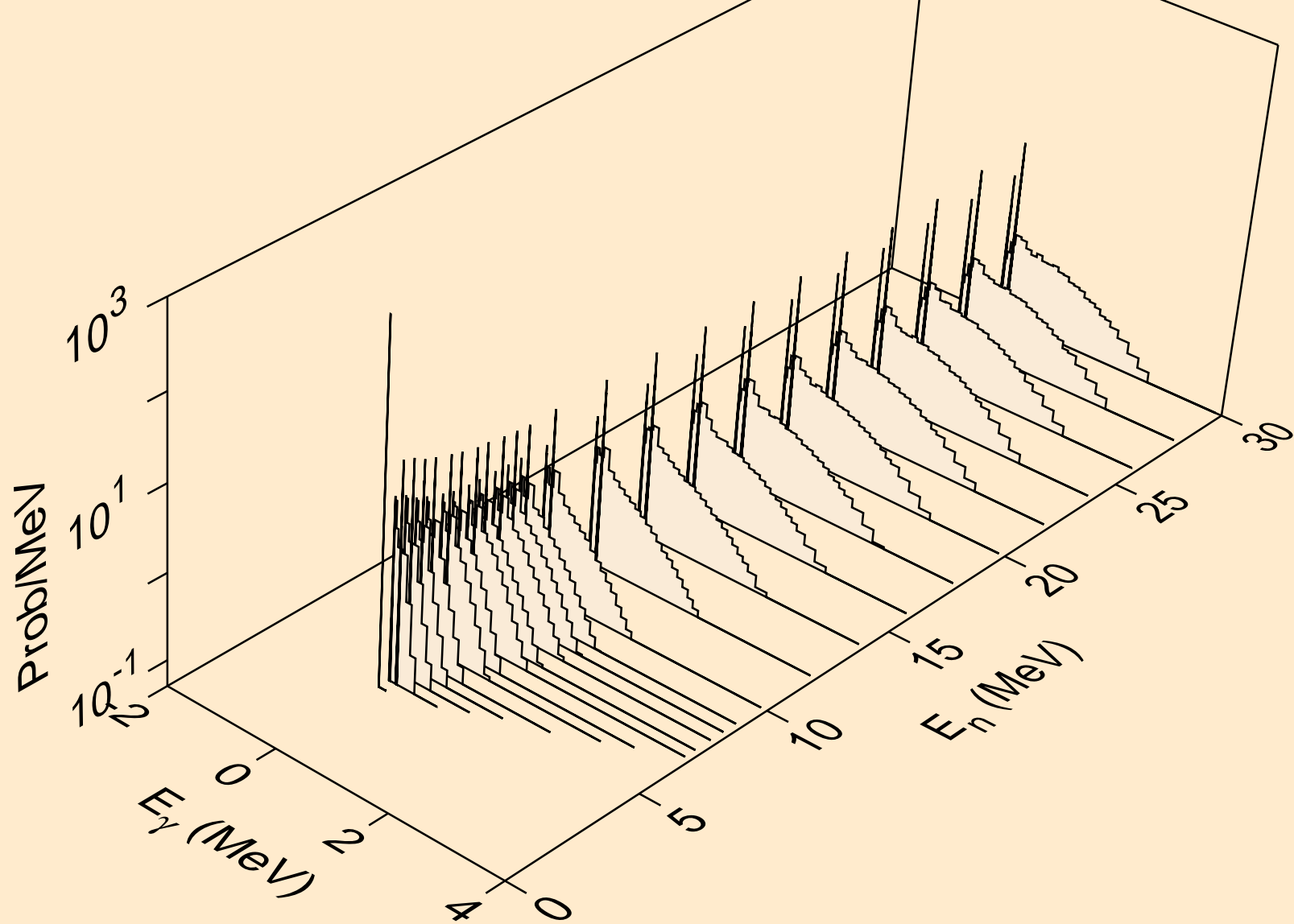
PU240 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*c)



PU240 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)

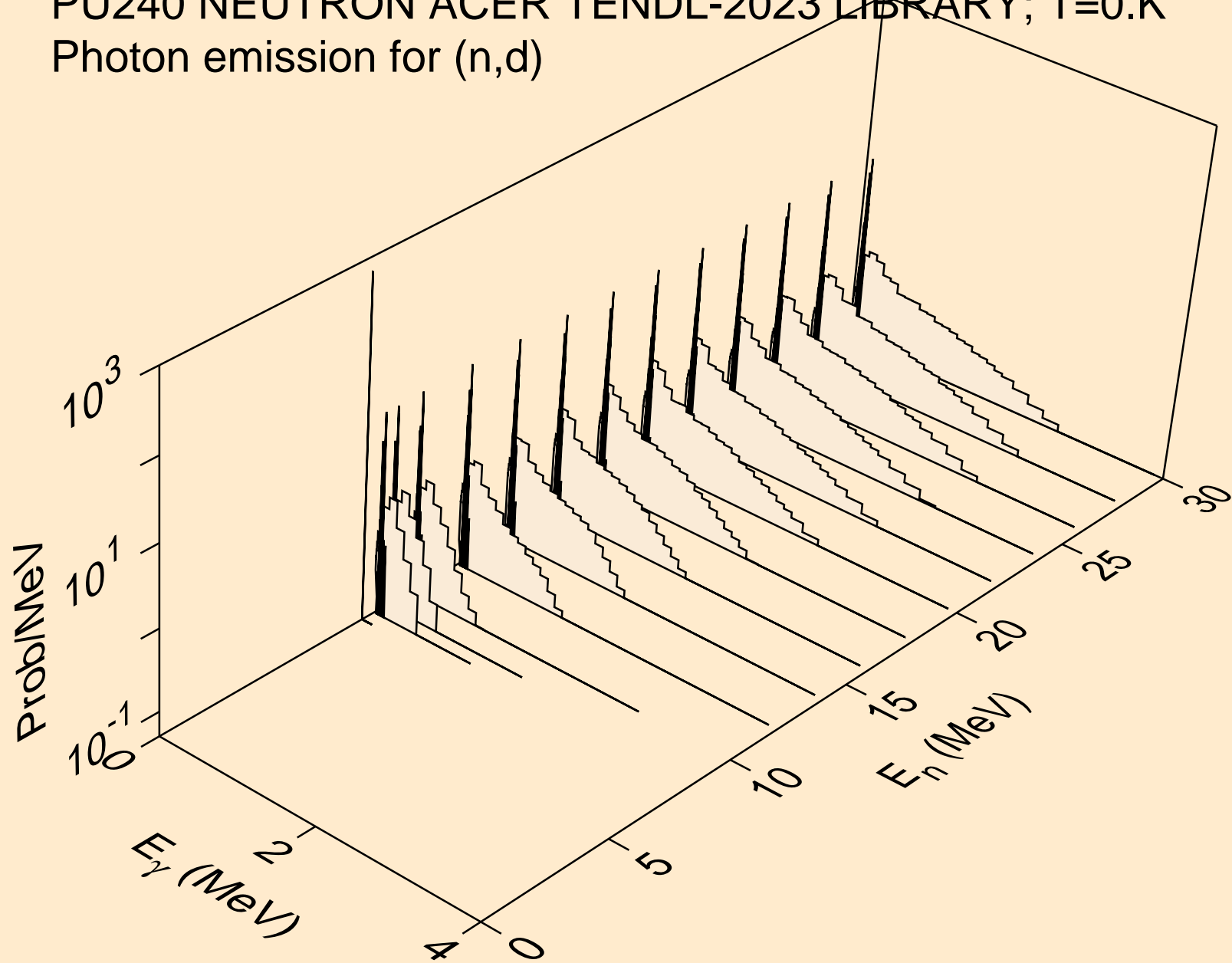


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Photon emission for (n,p)

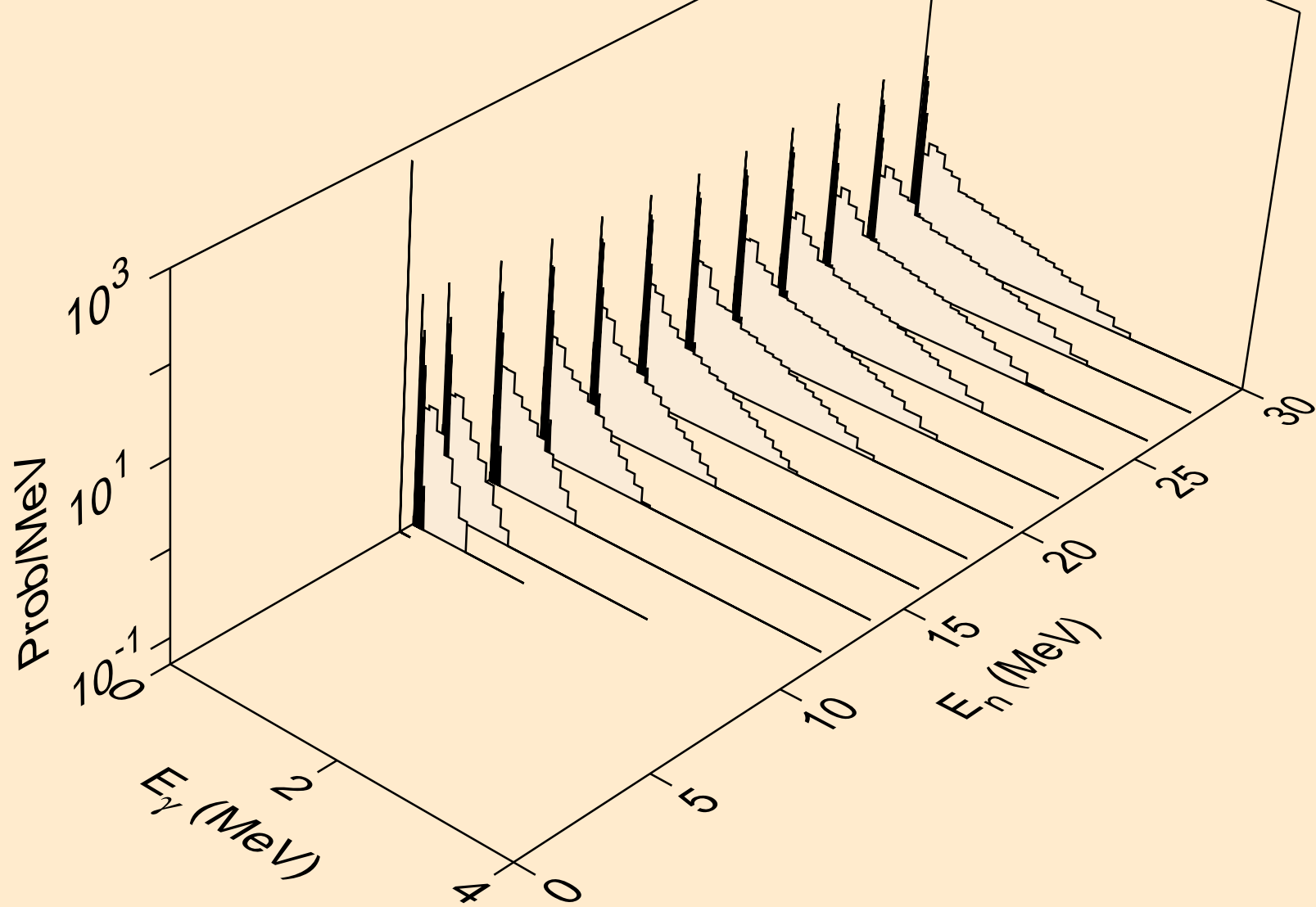




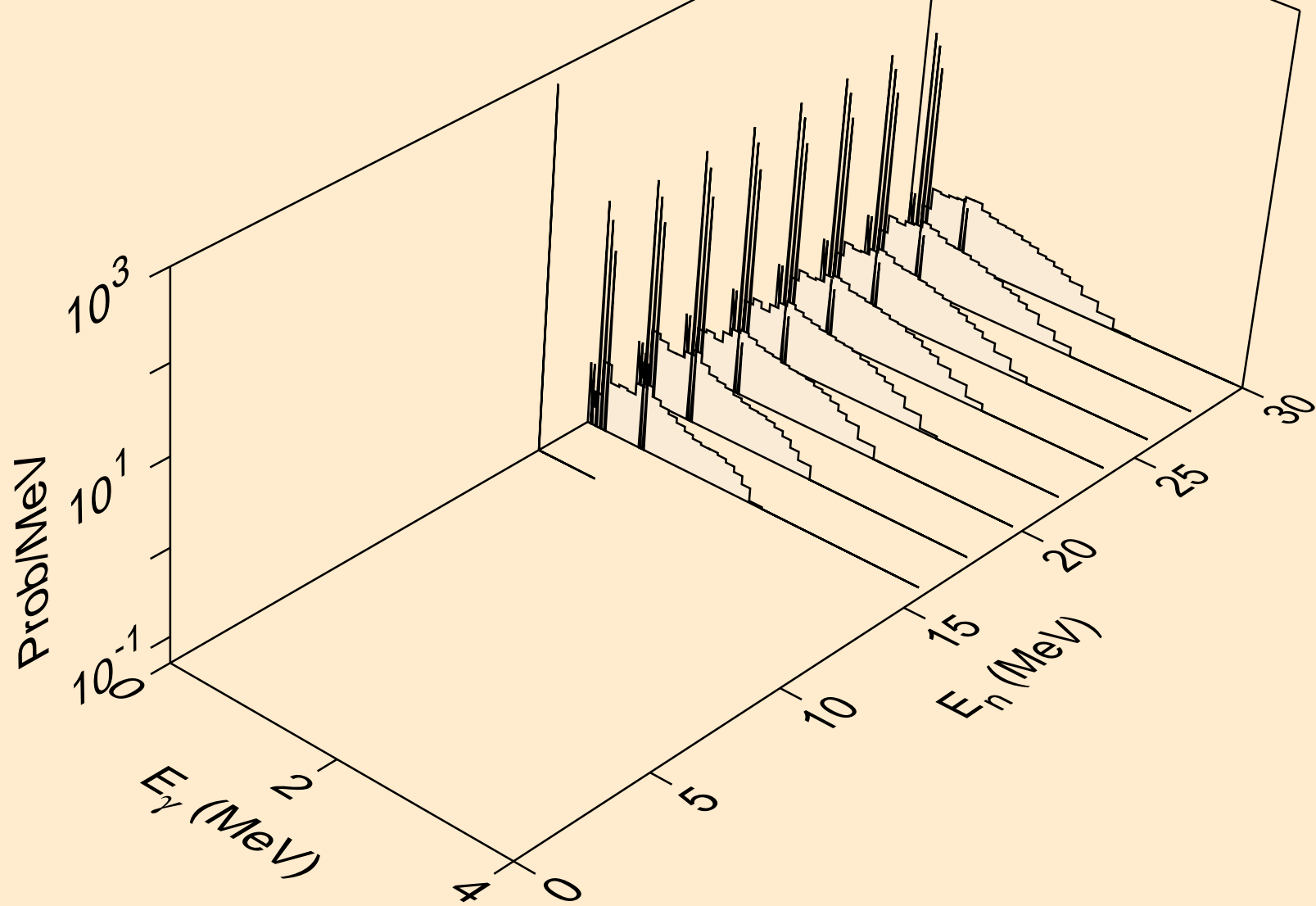
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Photon emission for (n,d)



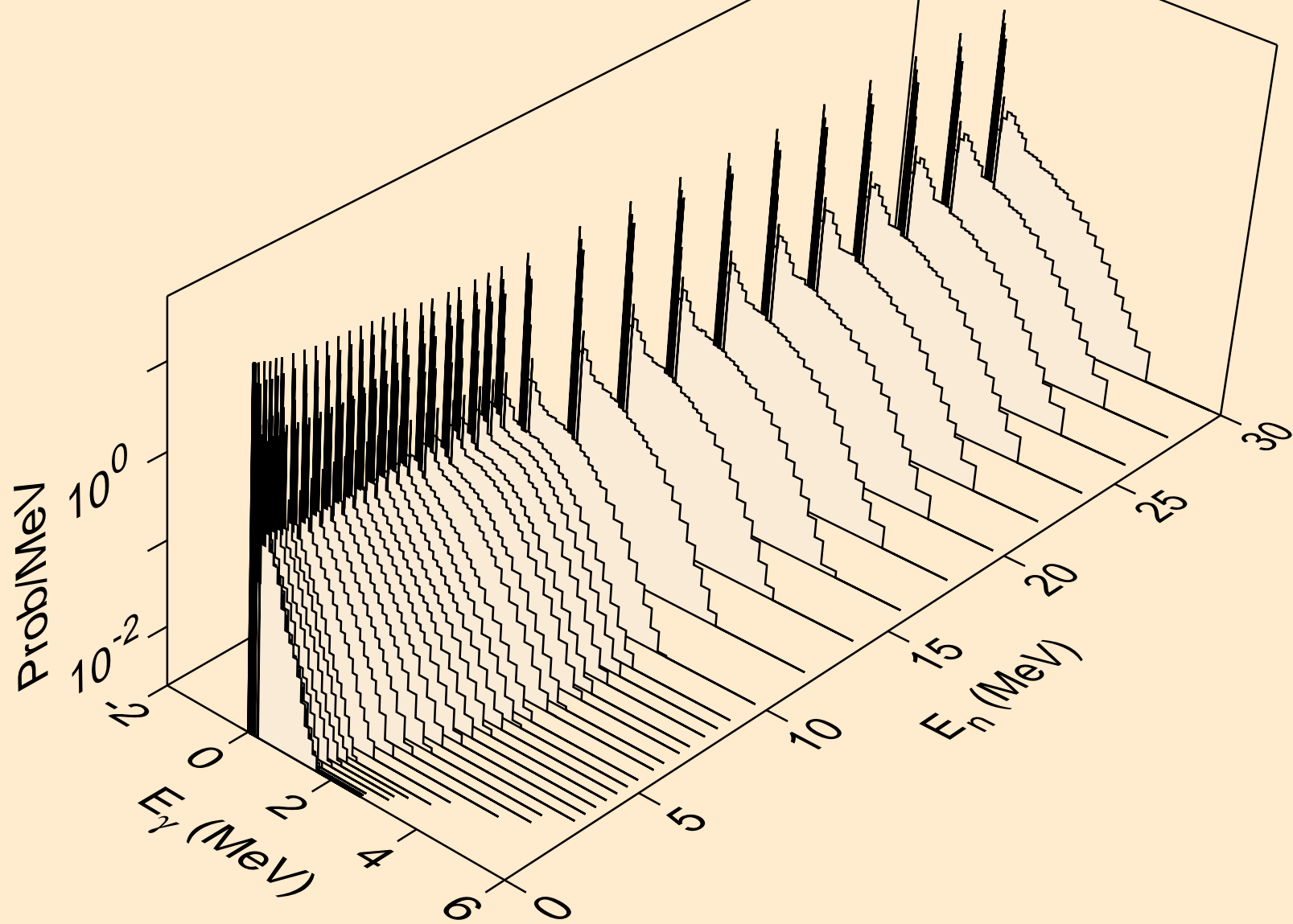
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Photon emission for (n,t)



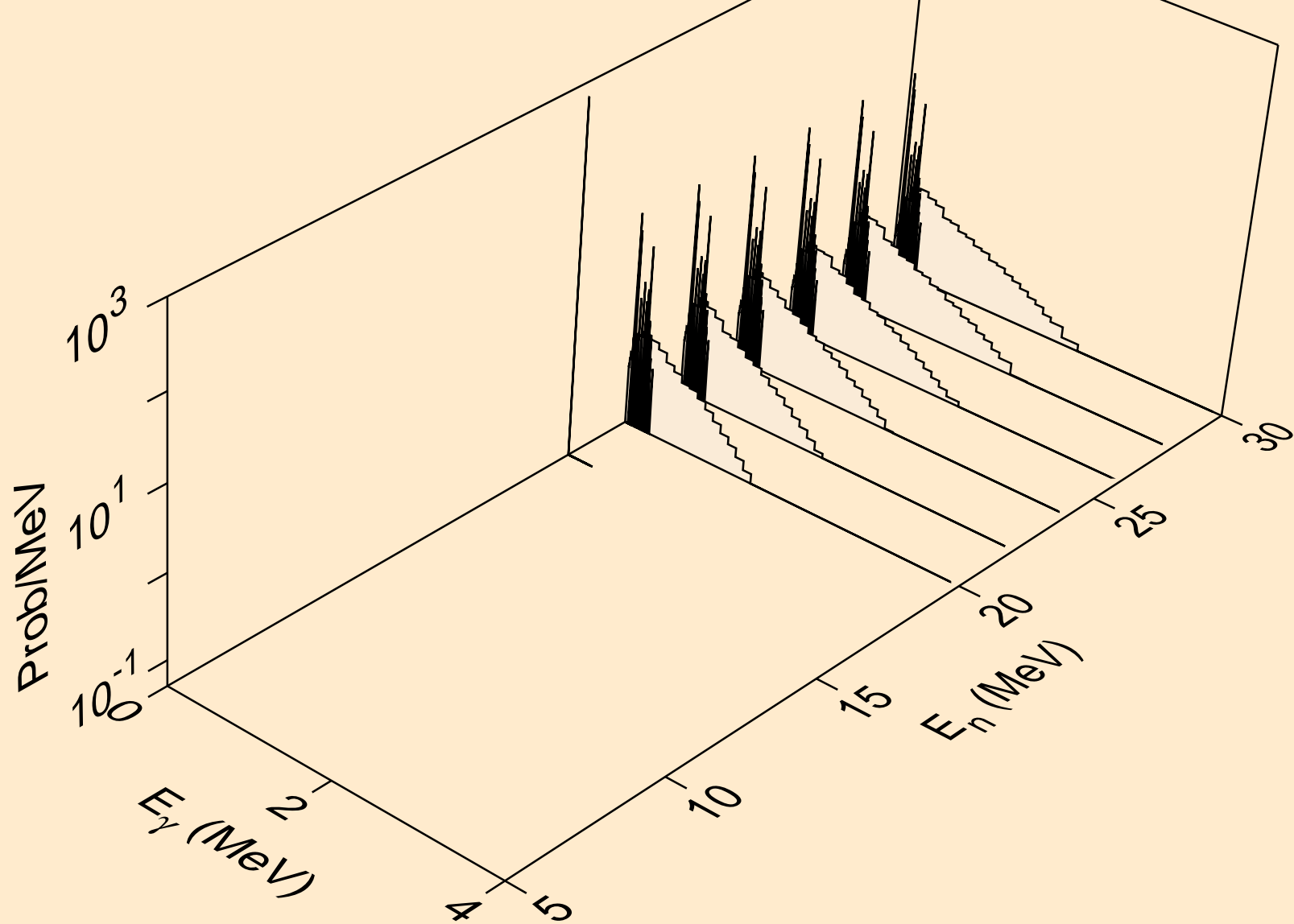
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Photon emission for (n,he3)



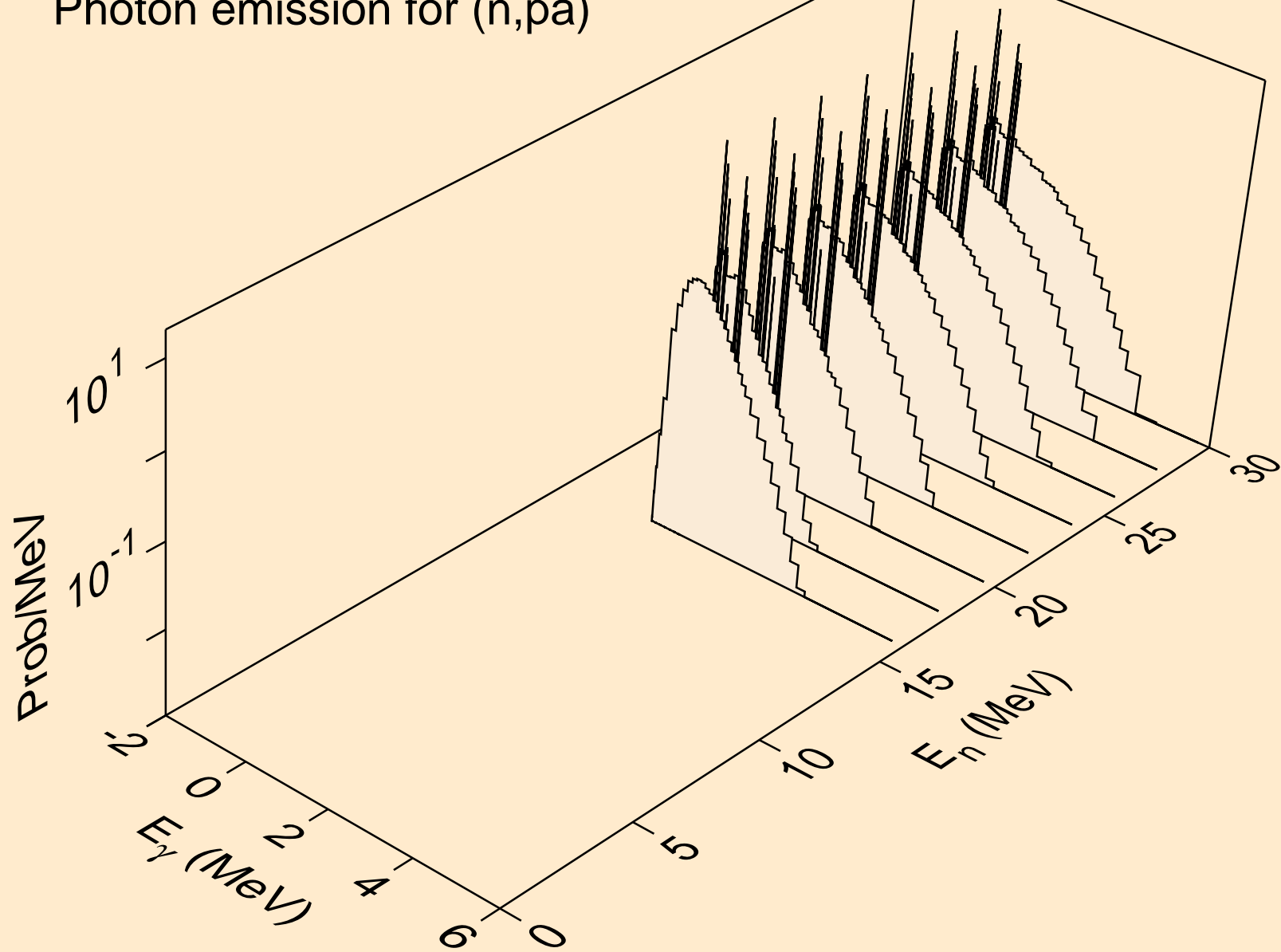
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Photon emission for (n,a)



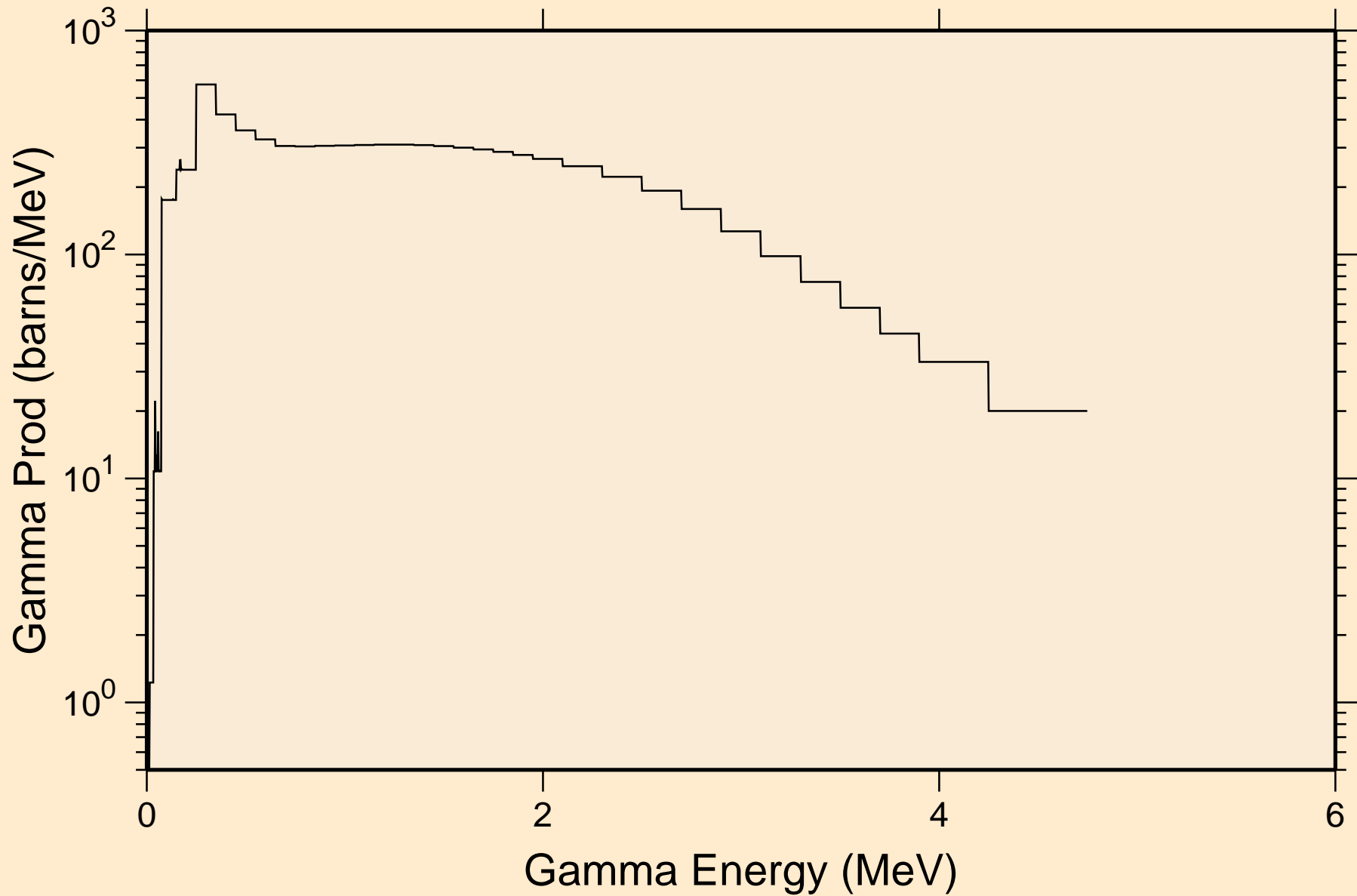
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Photon emission for (n,2p)



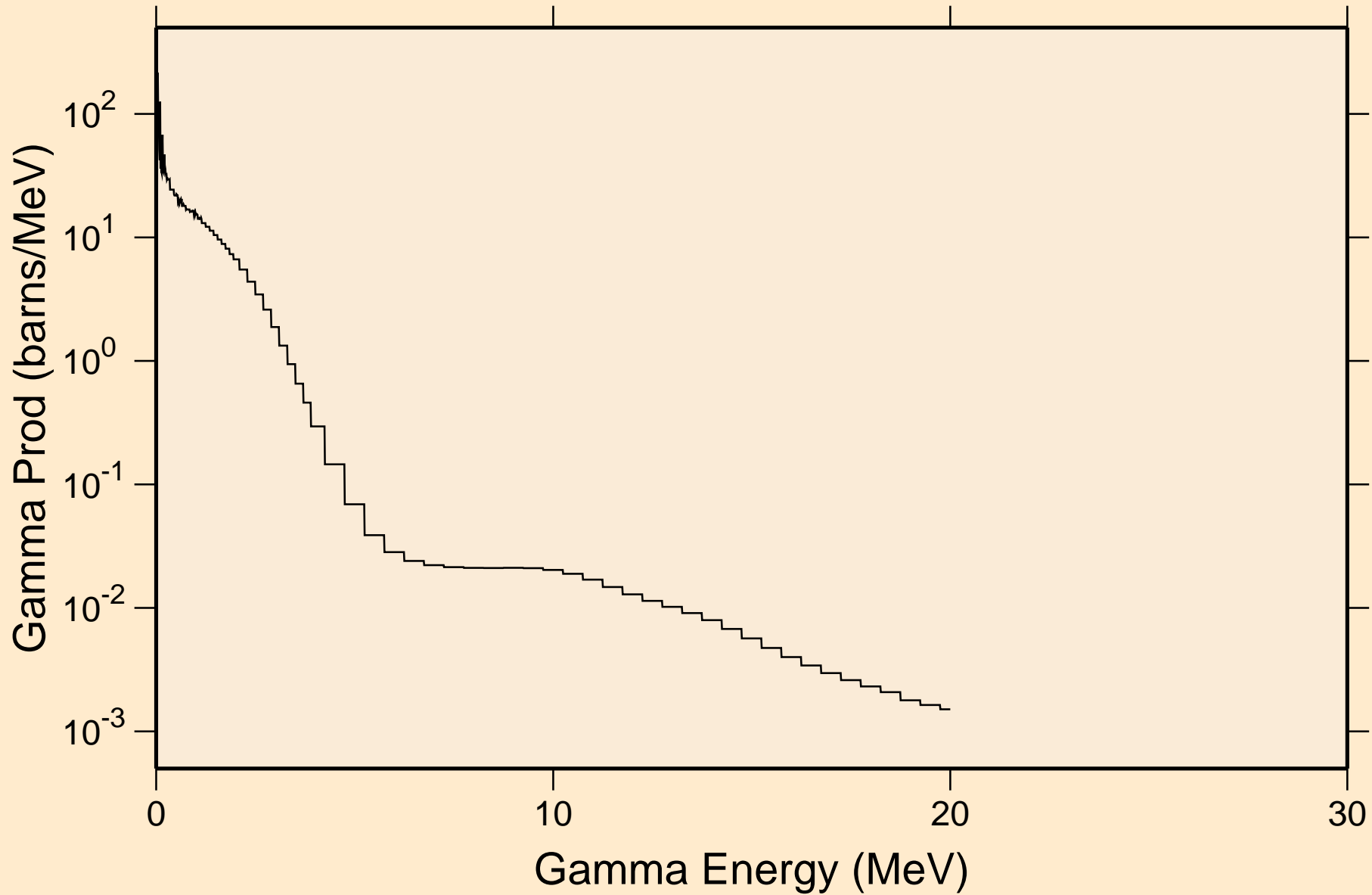
PU240 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pa)



PU240 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
thermal capture photon spectrum

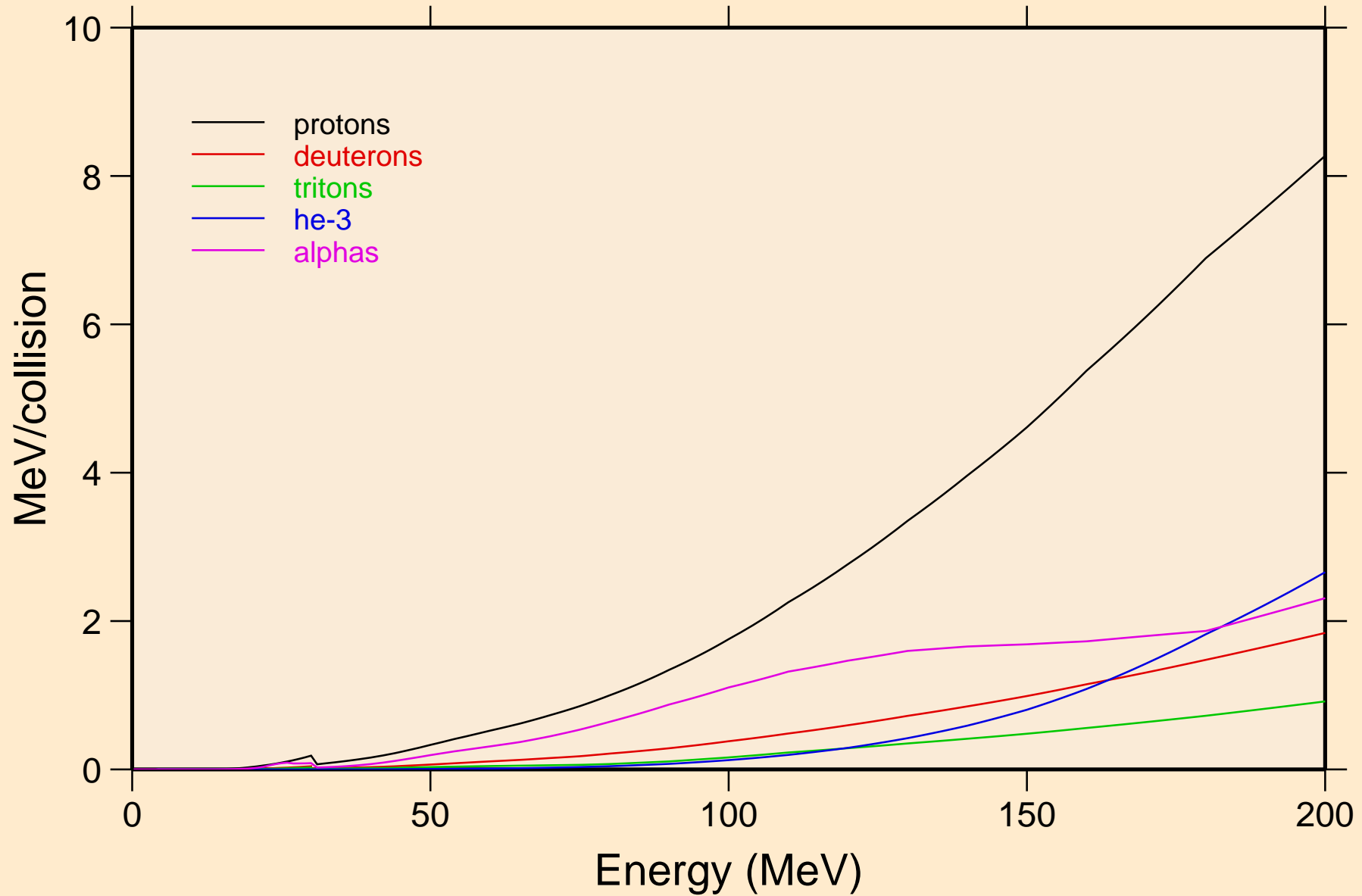


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14 MeV photon spectrum

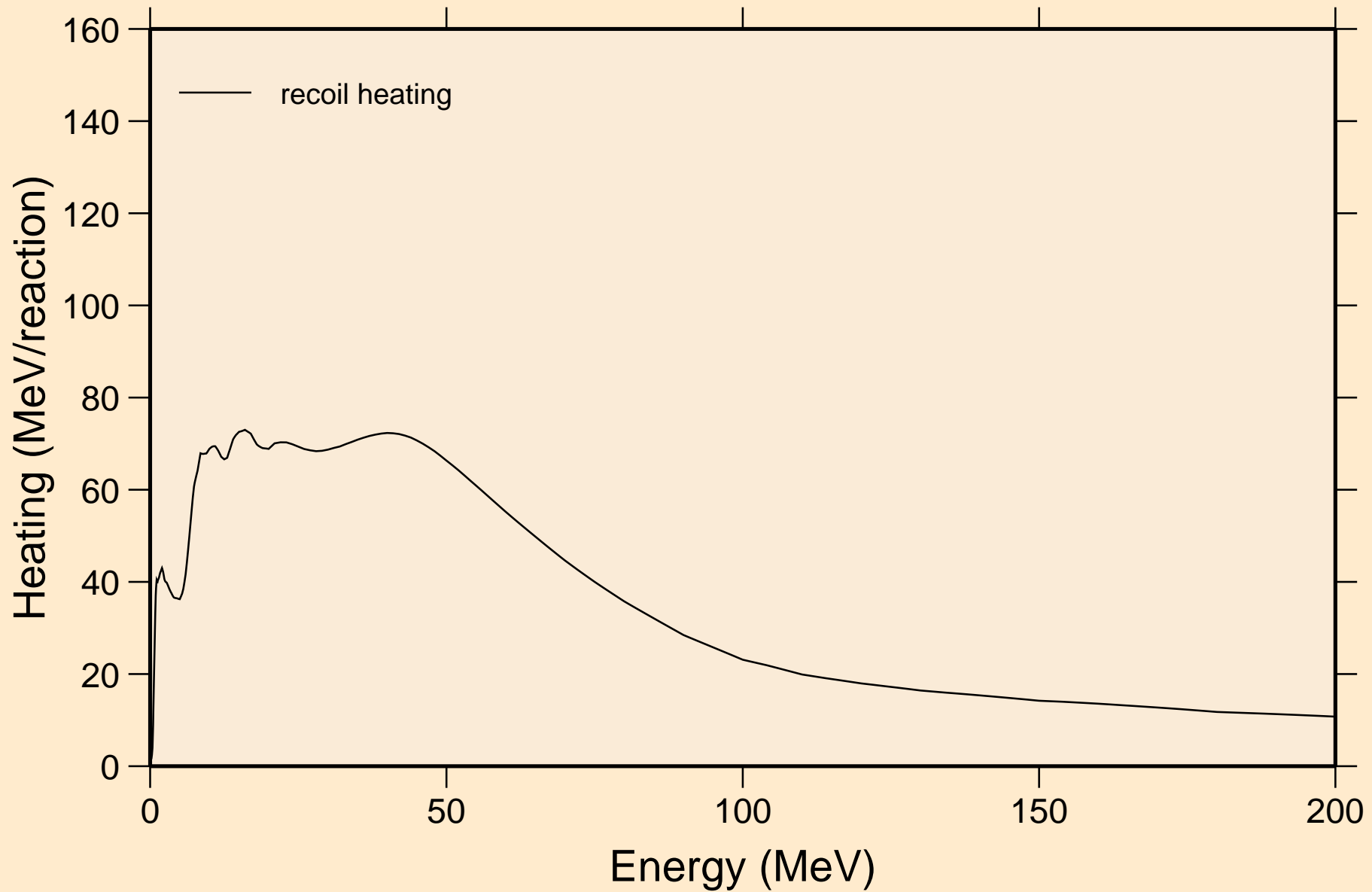




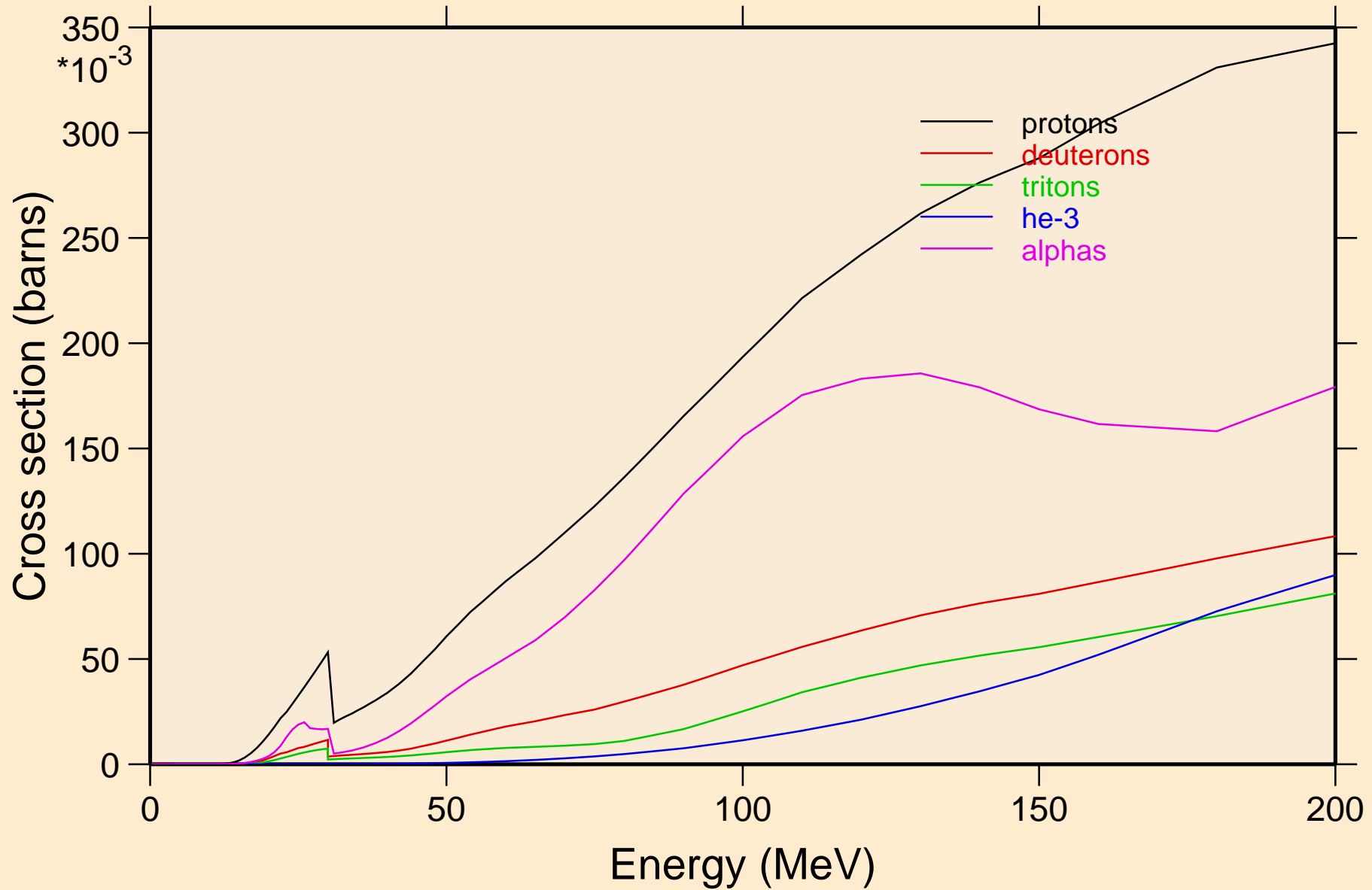
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Particle heating contributions



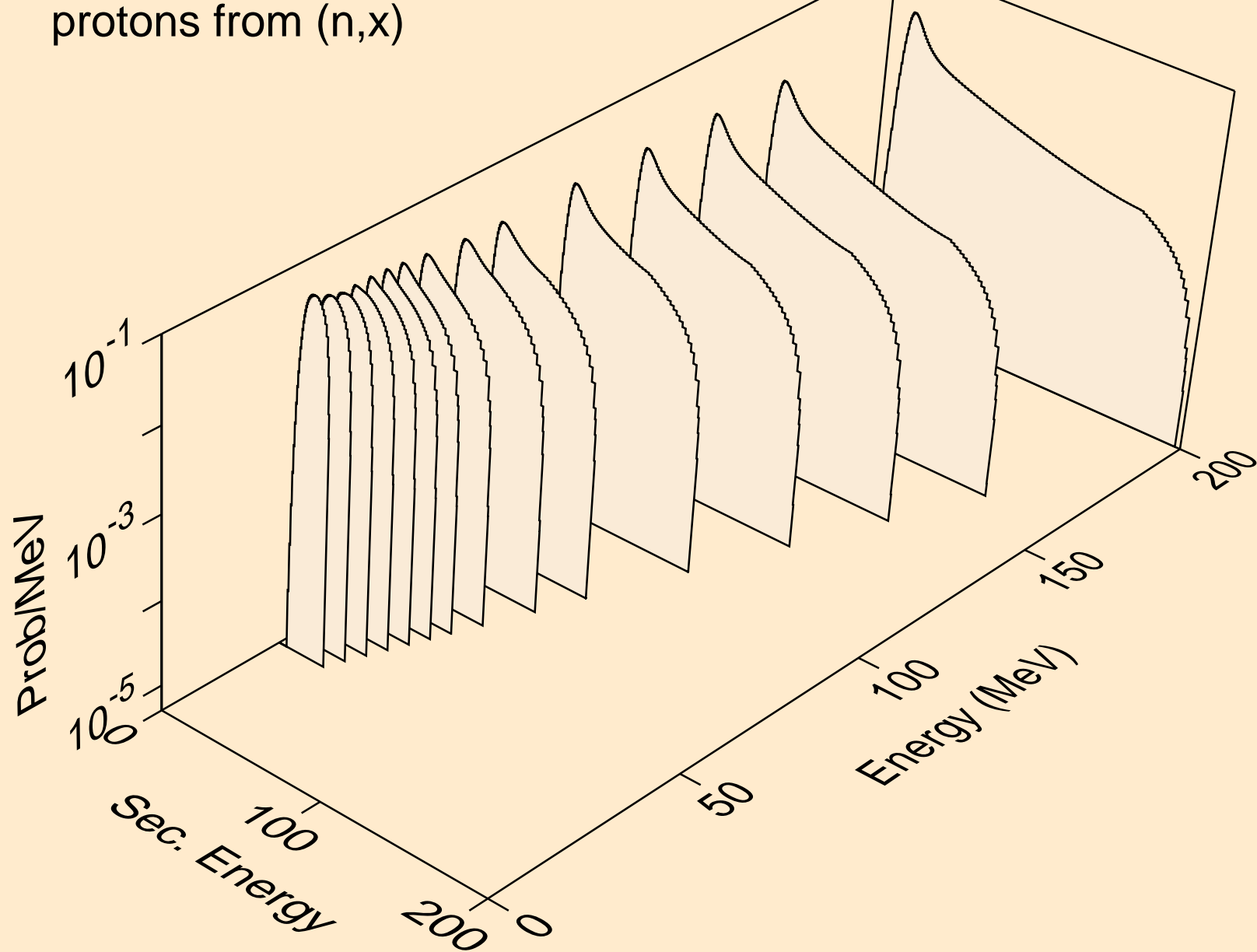
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Recoil Heating



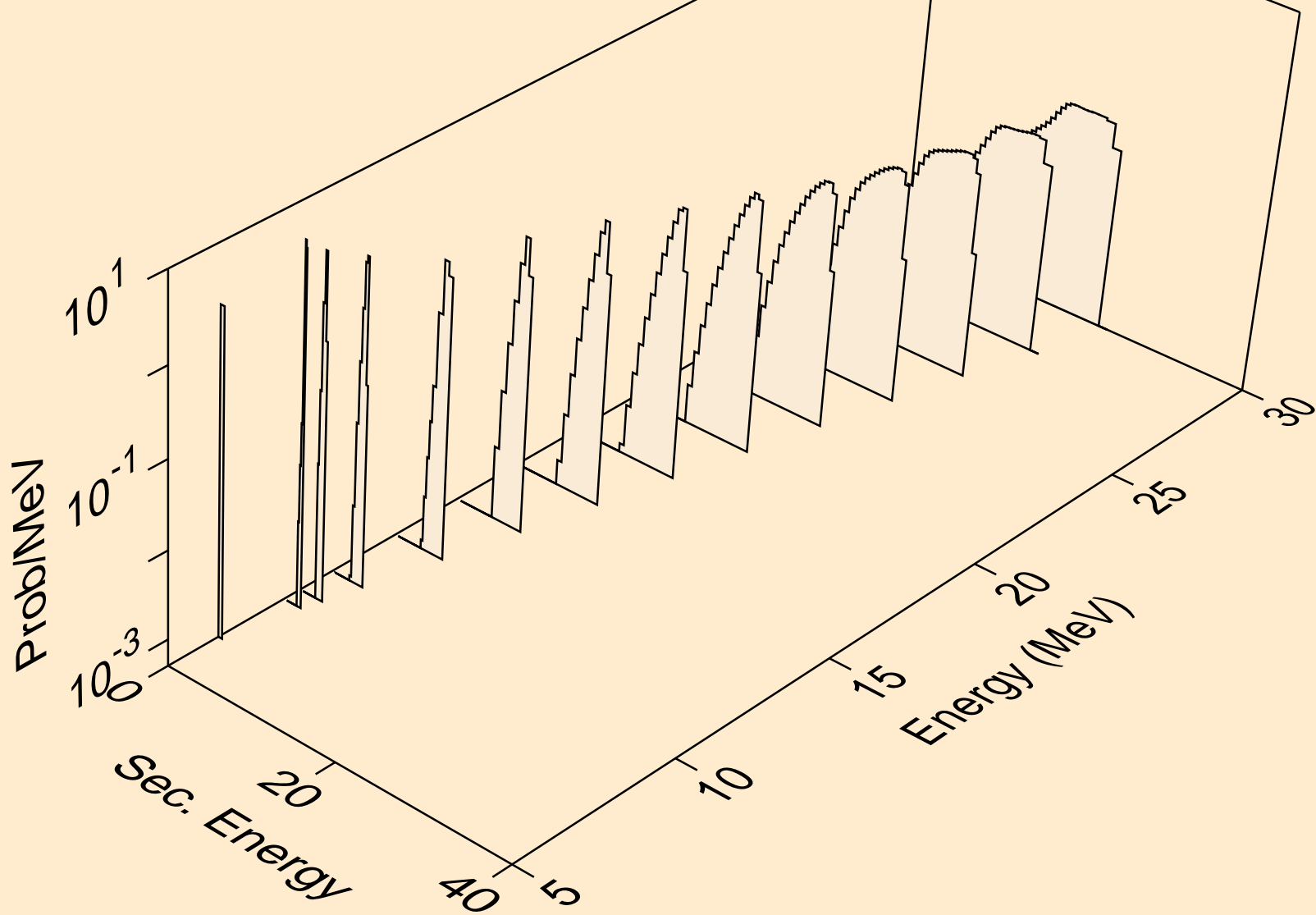
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Particle production cross sections



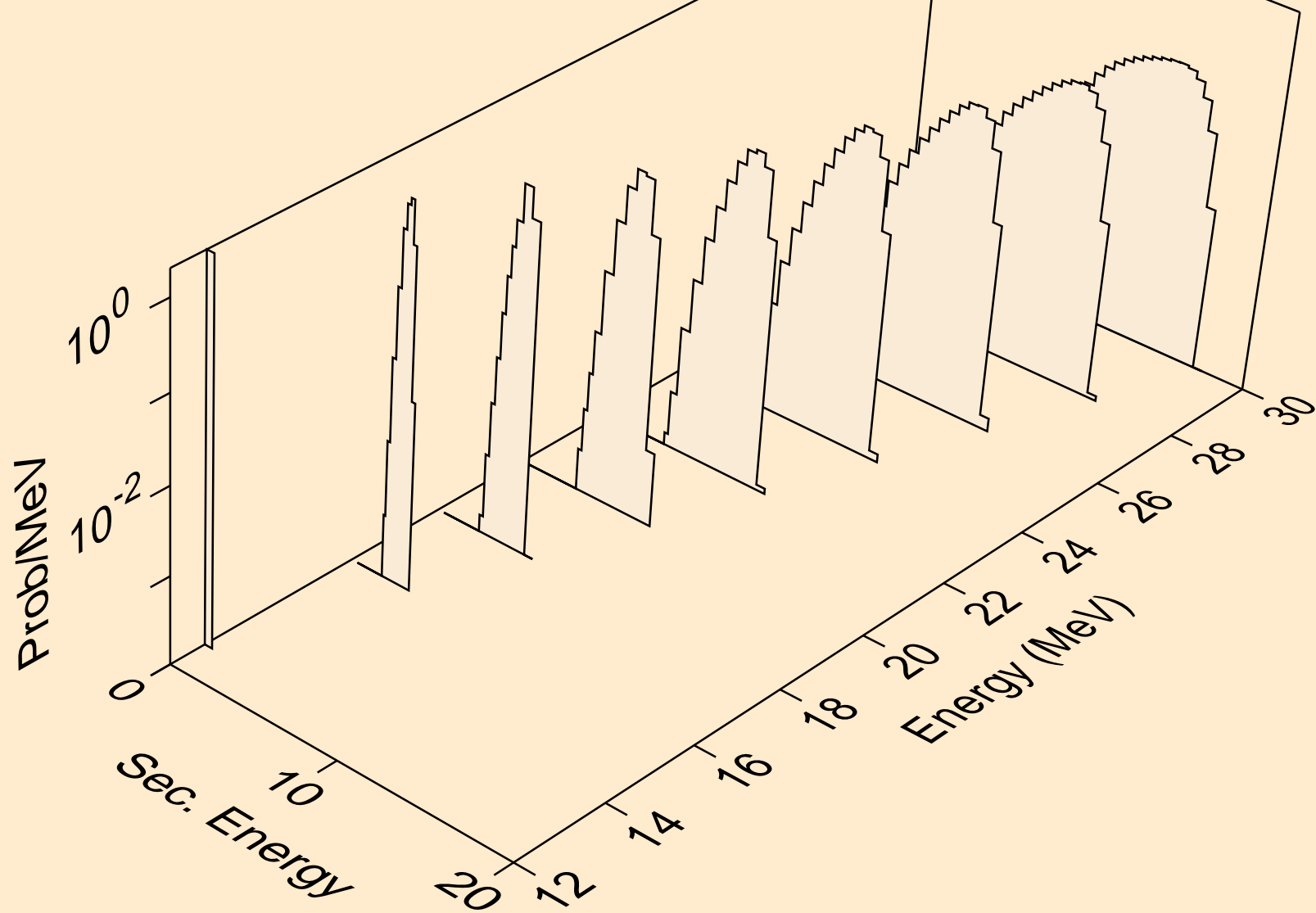
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protons from (n,x)



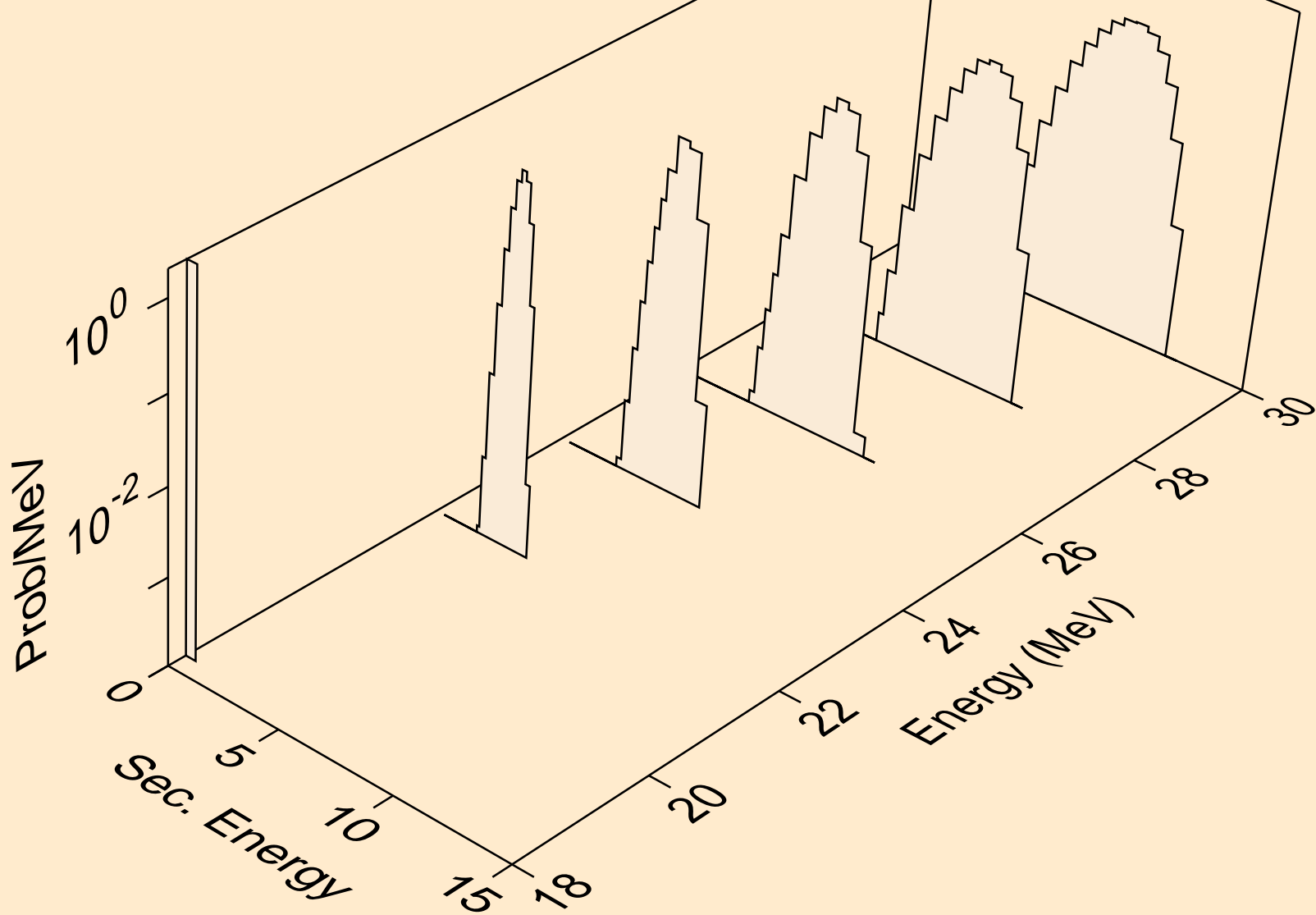
PU240 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n\*)p



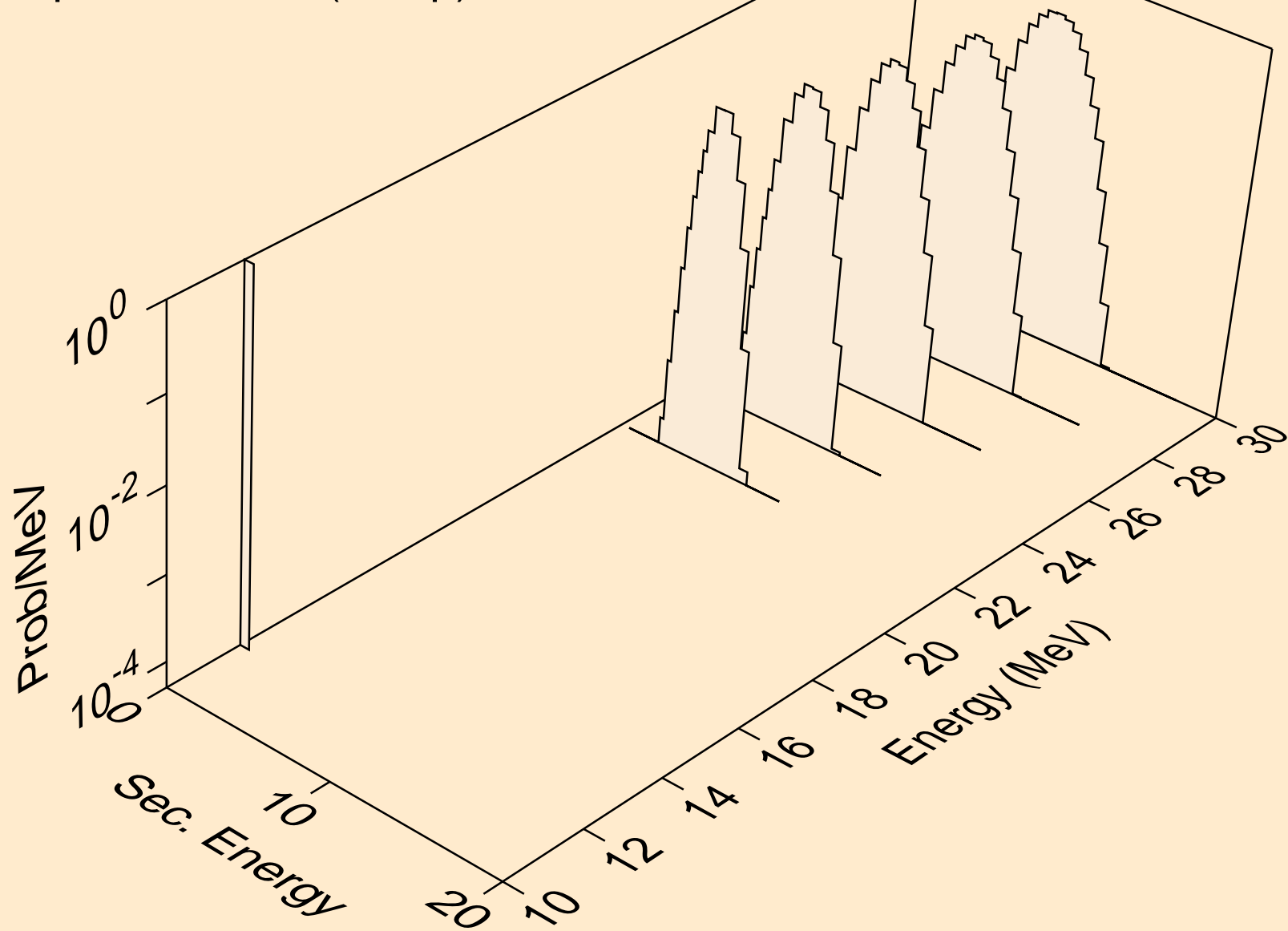
PU240 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,2np)



PU240 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,3np)

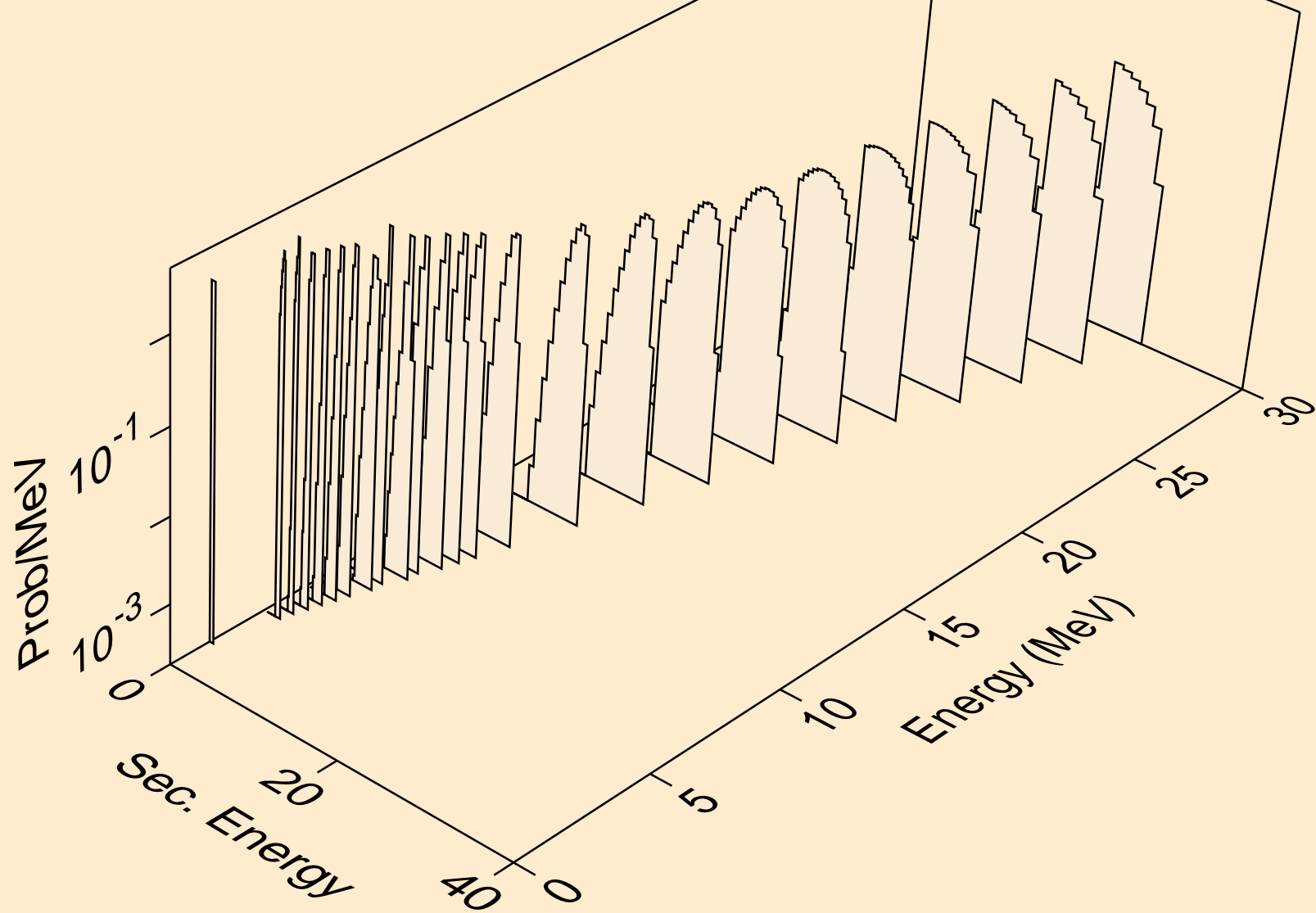


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protons from (n,n2p)

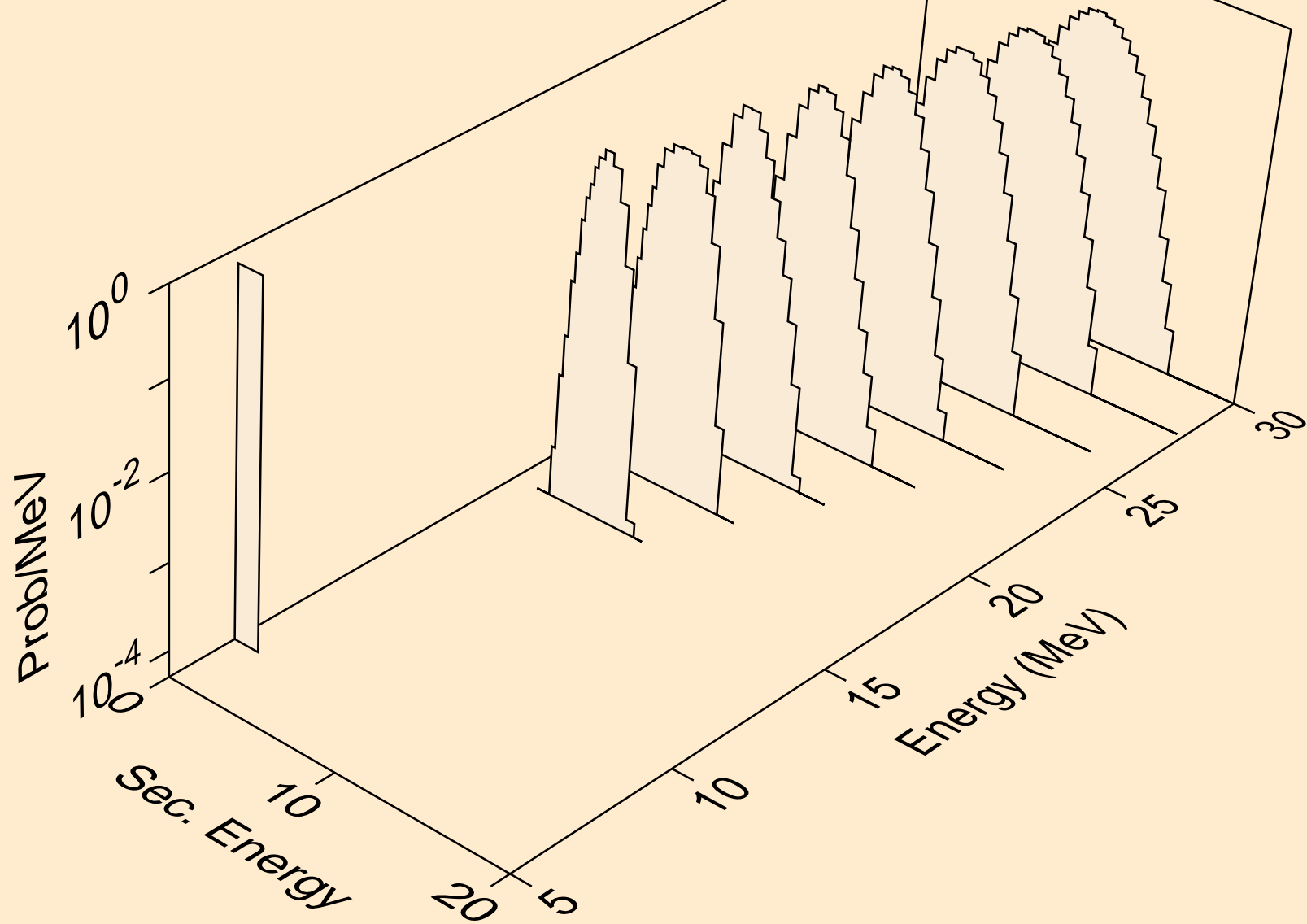




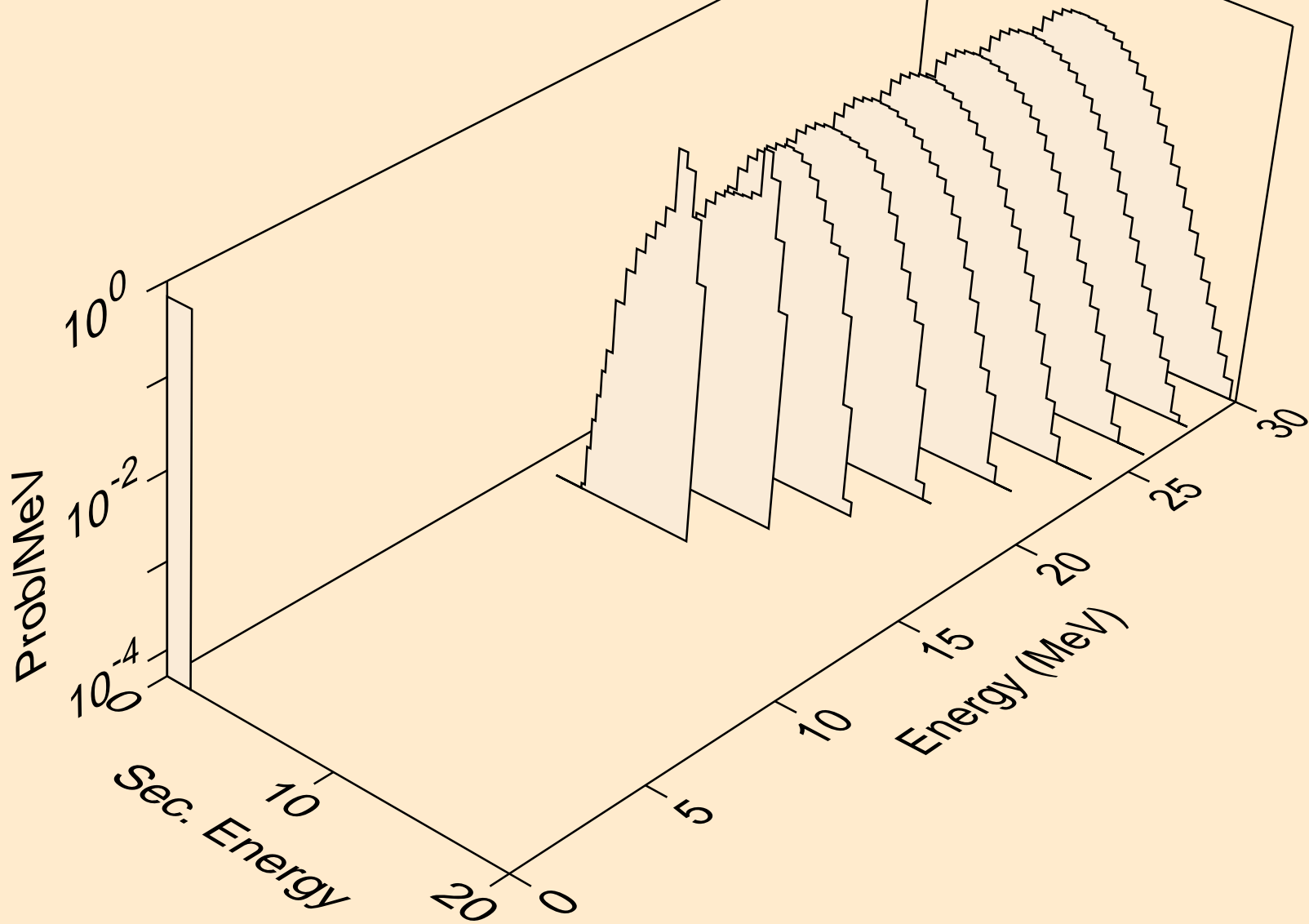
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protons from (n,p)



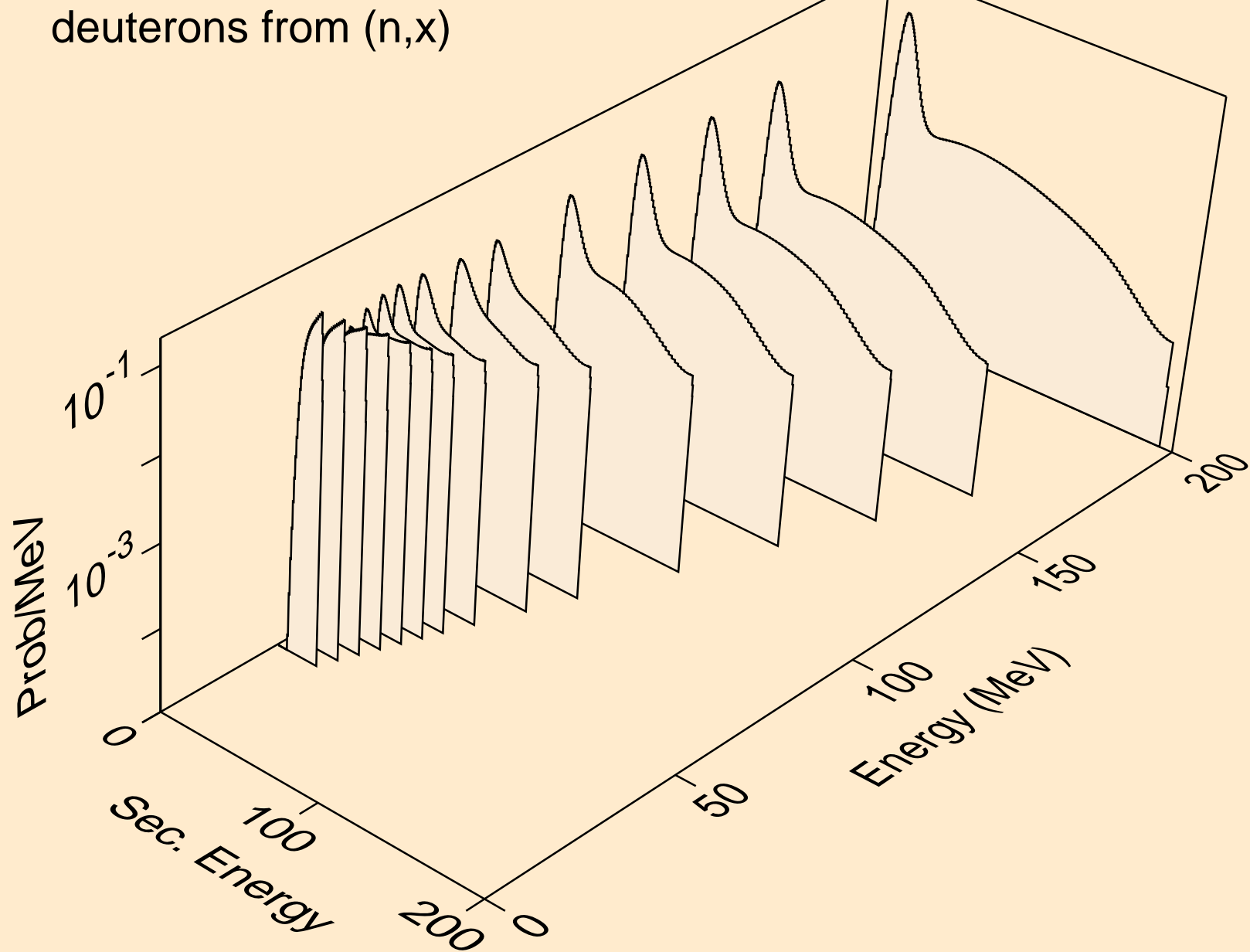
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protons from (n,2p)



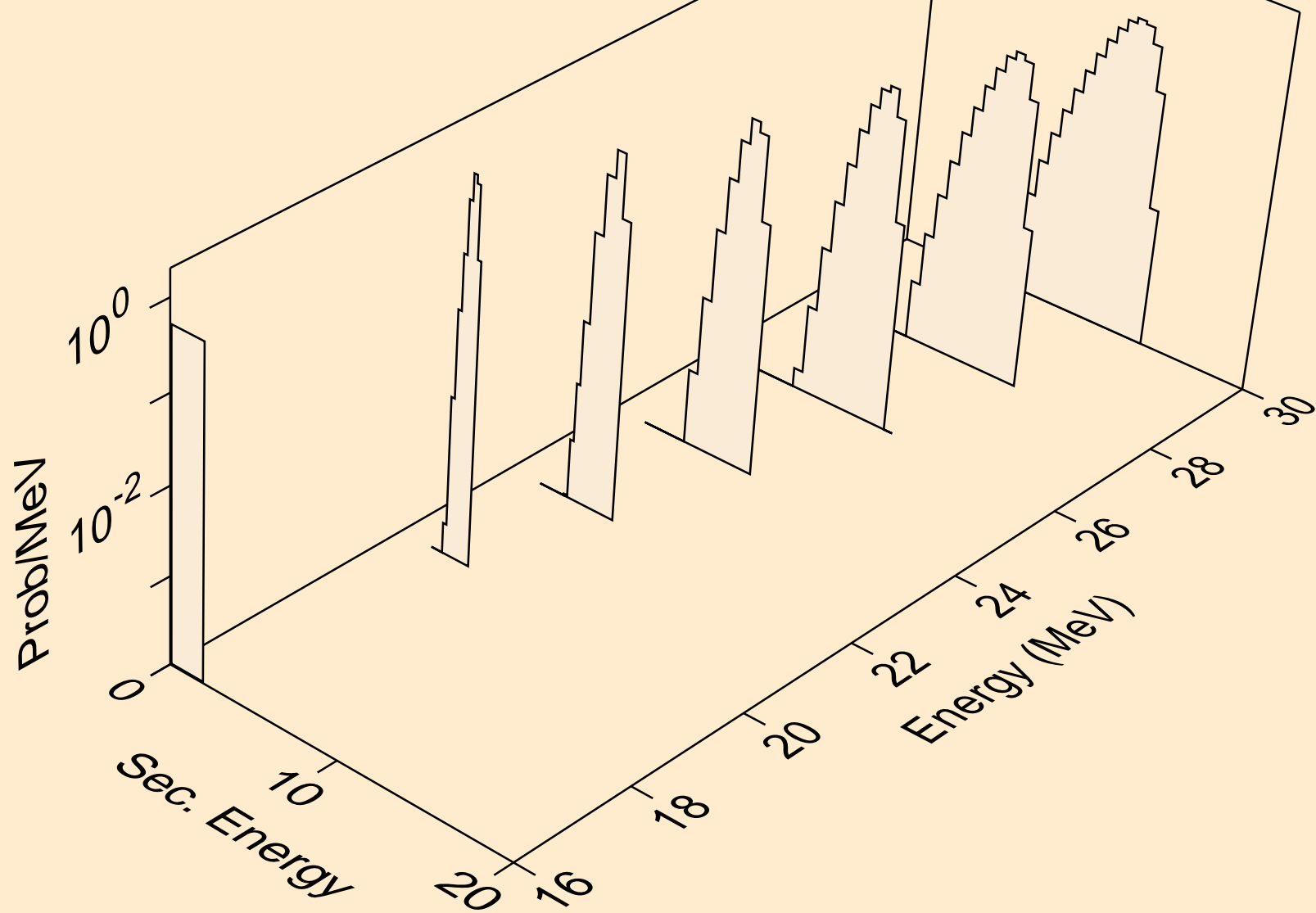
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protons from (n,pa)



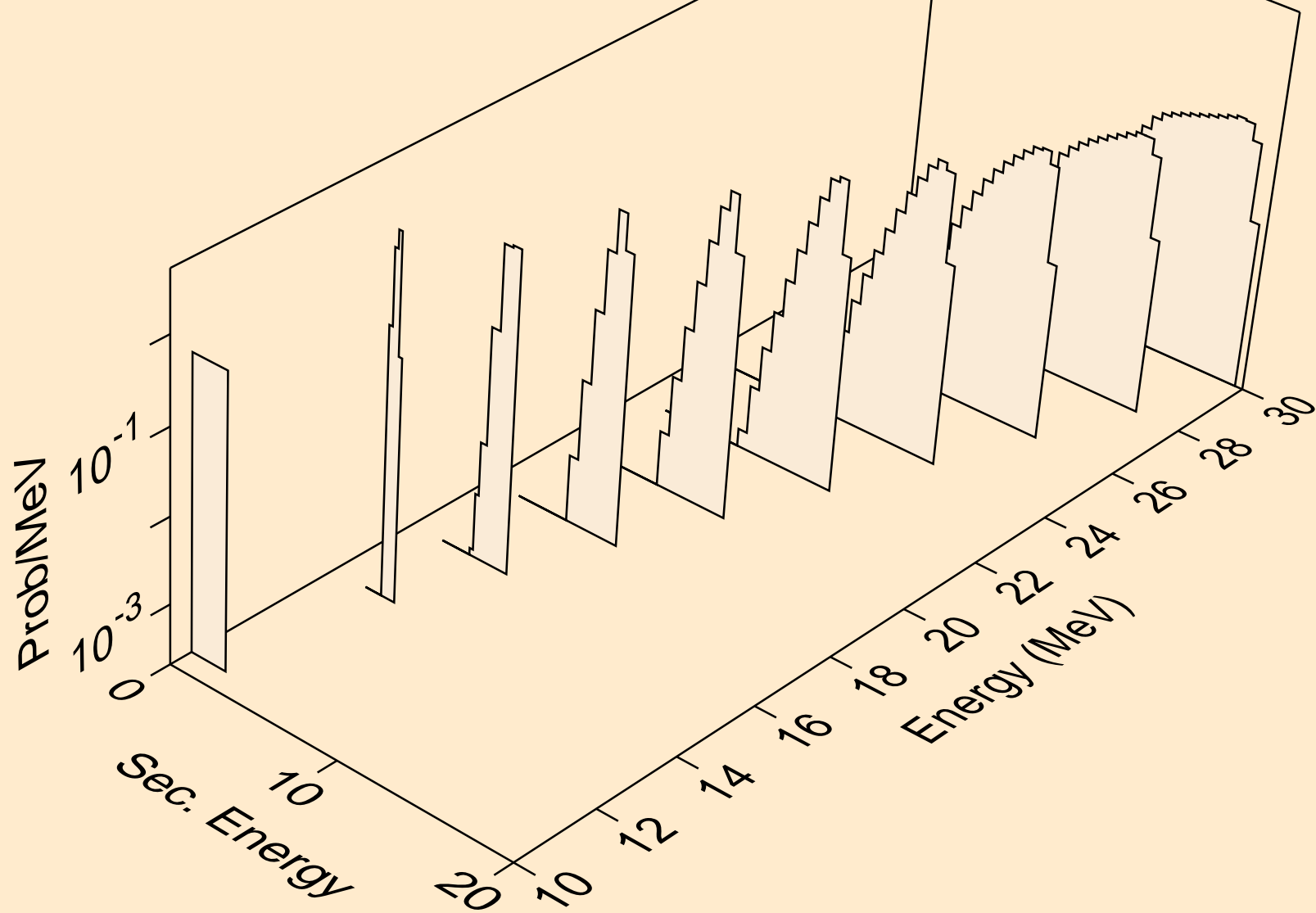
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deuterons from (n,x)



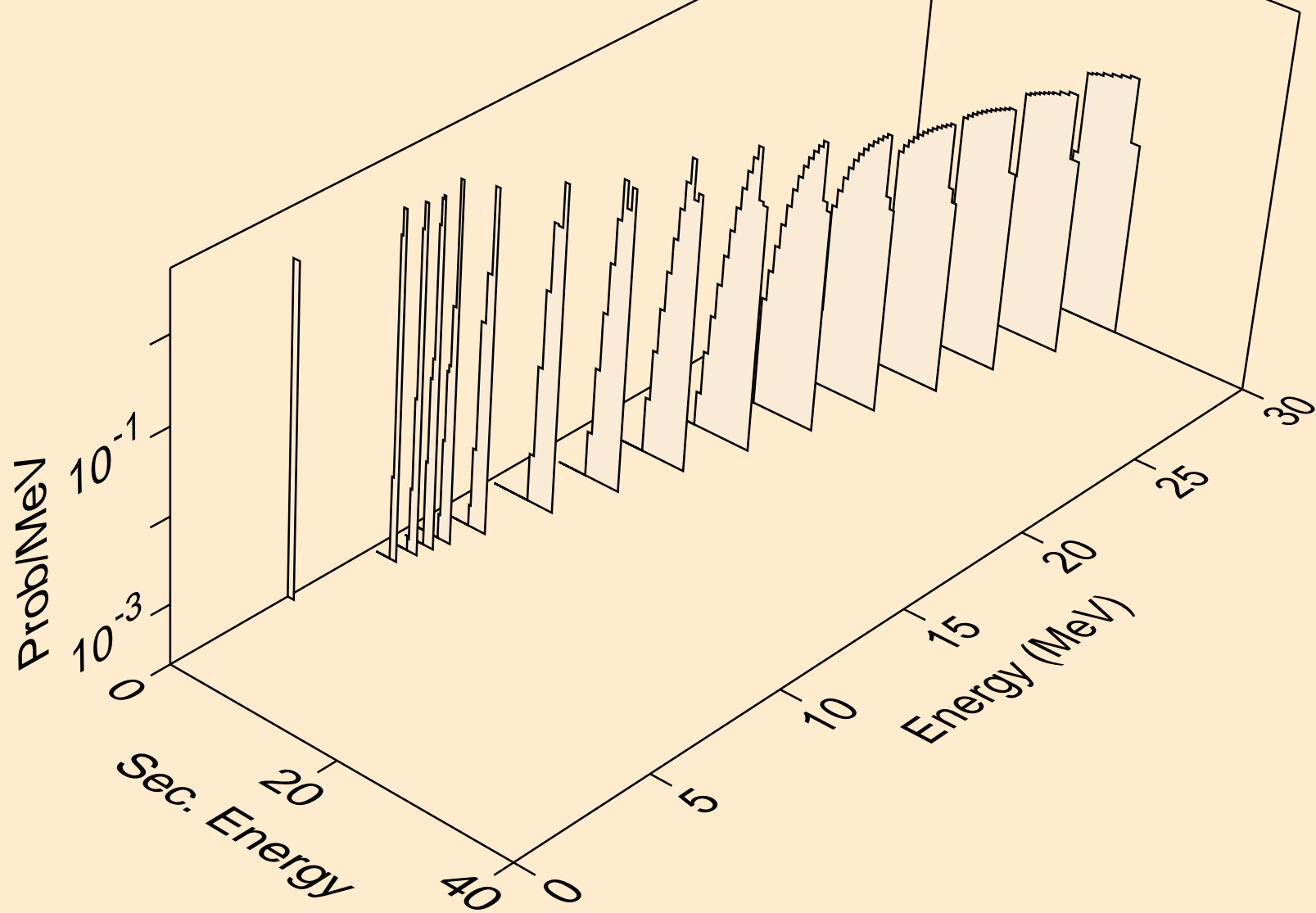
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deuterons from (n,2nd)



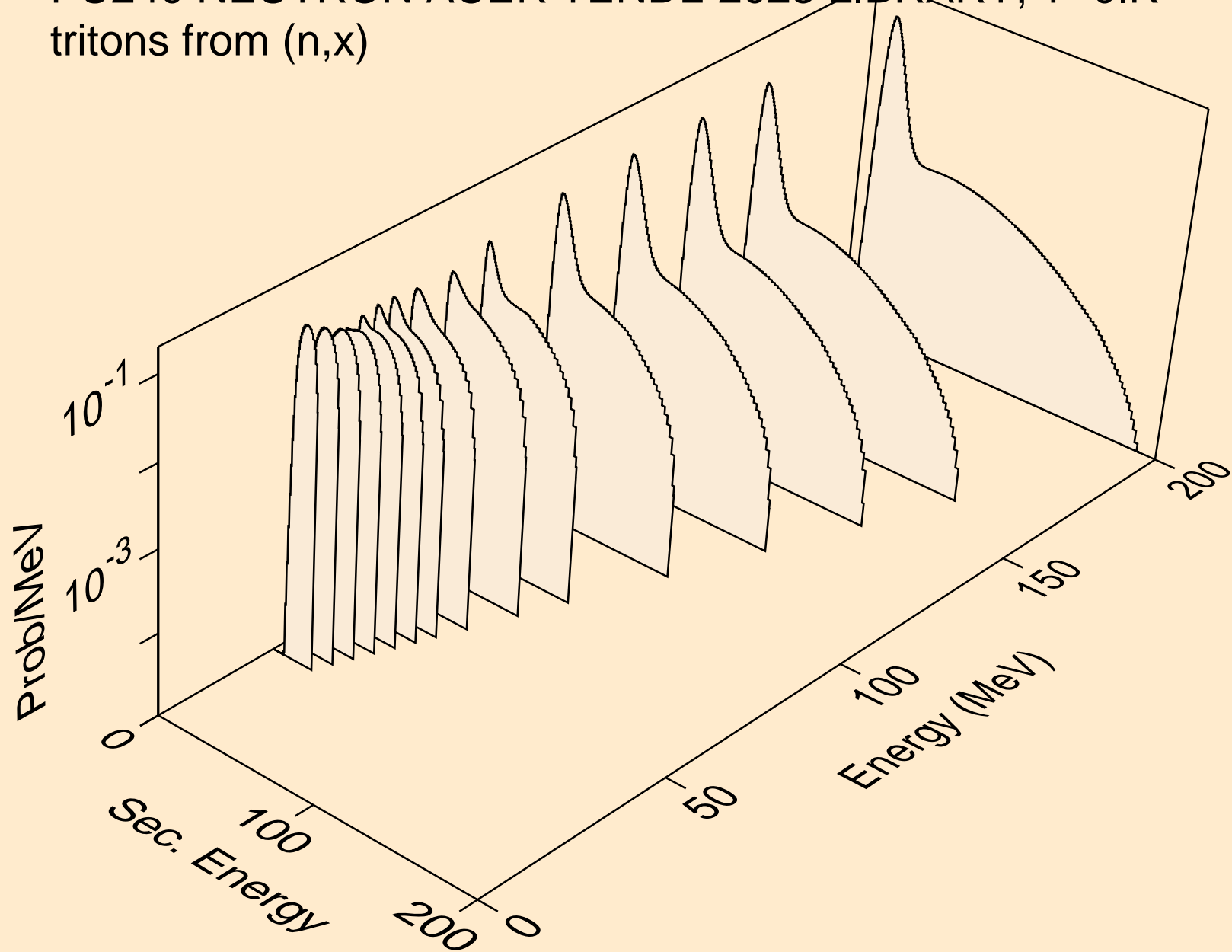
PU240 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,n\*)d



PU240 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,d)

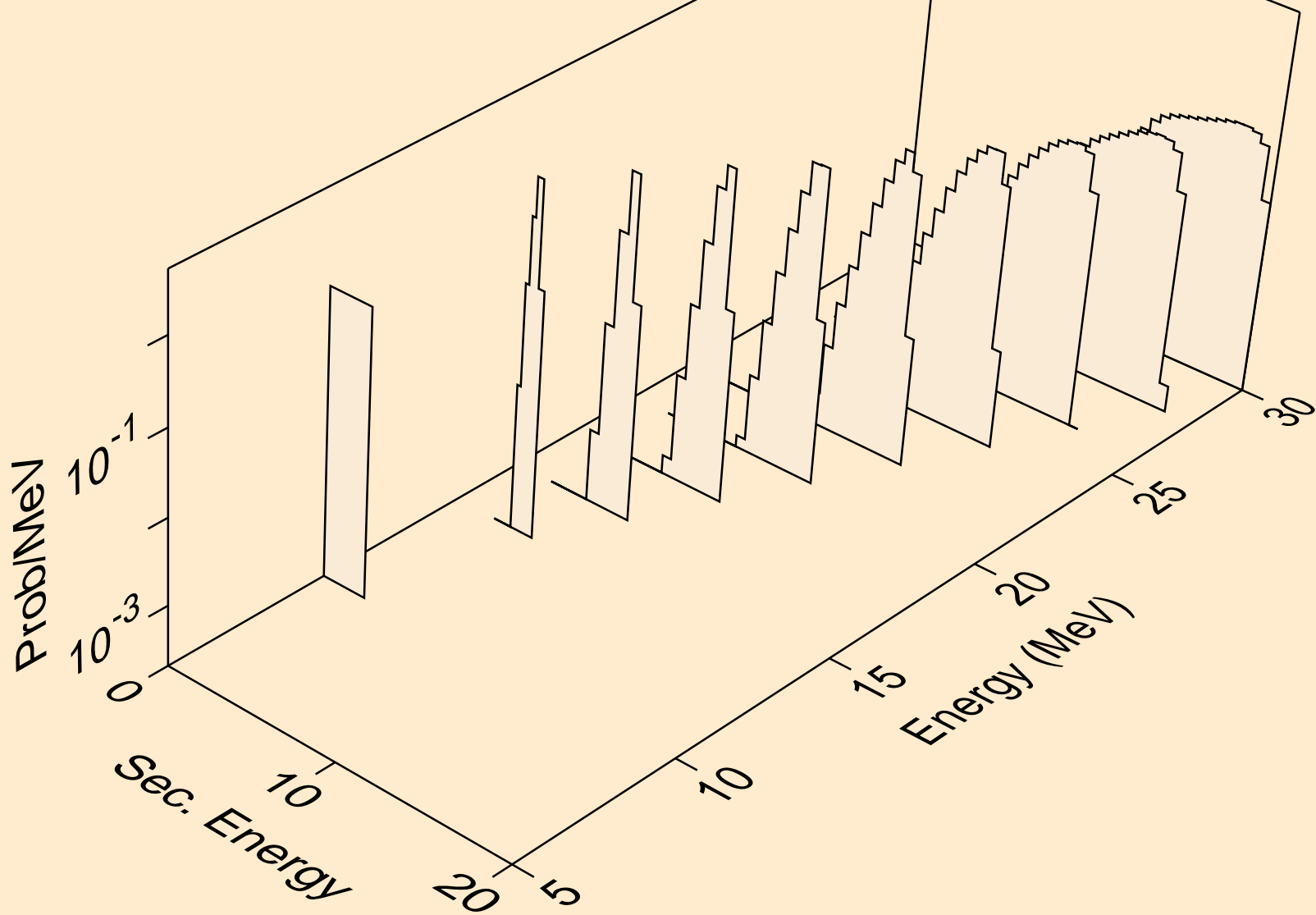


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tritons from (n,x)

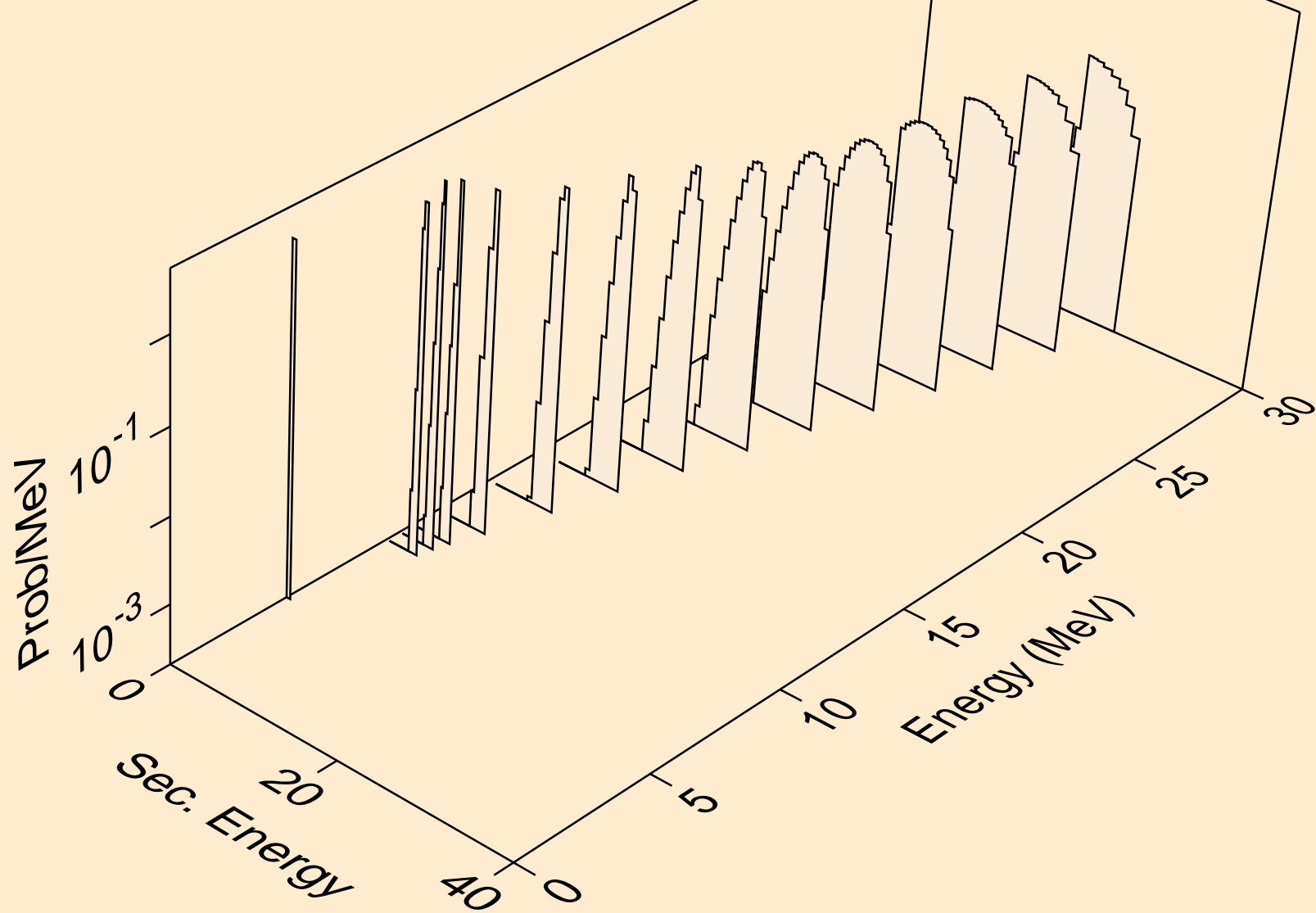




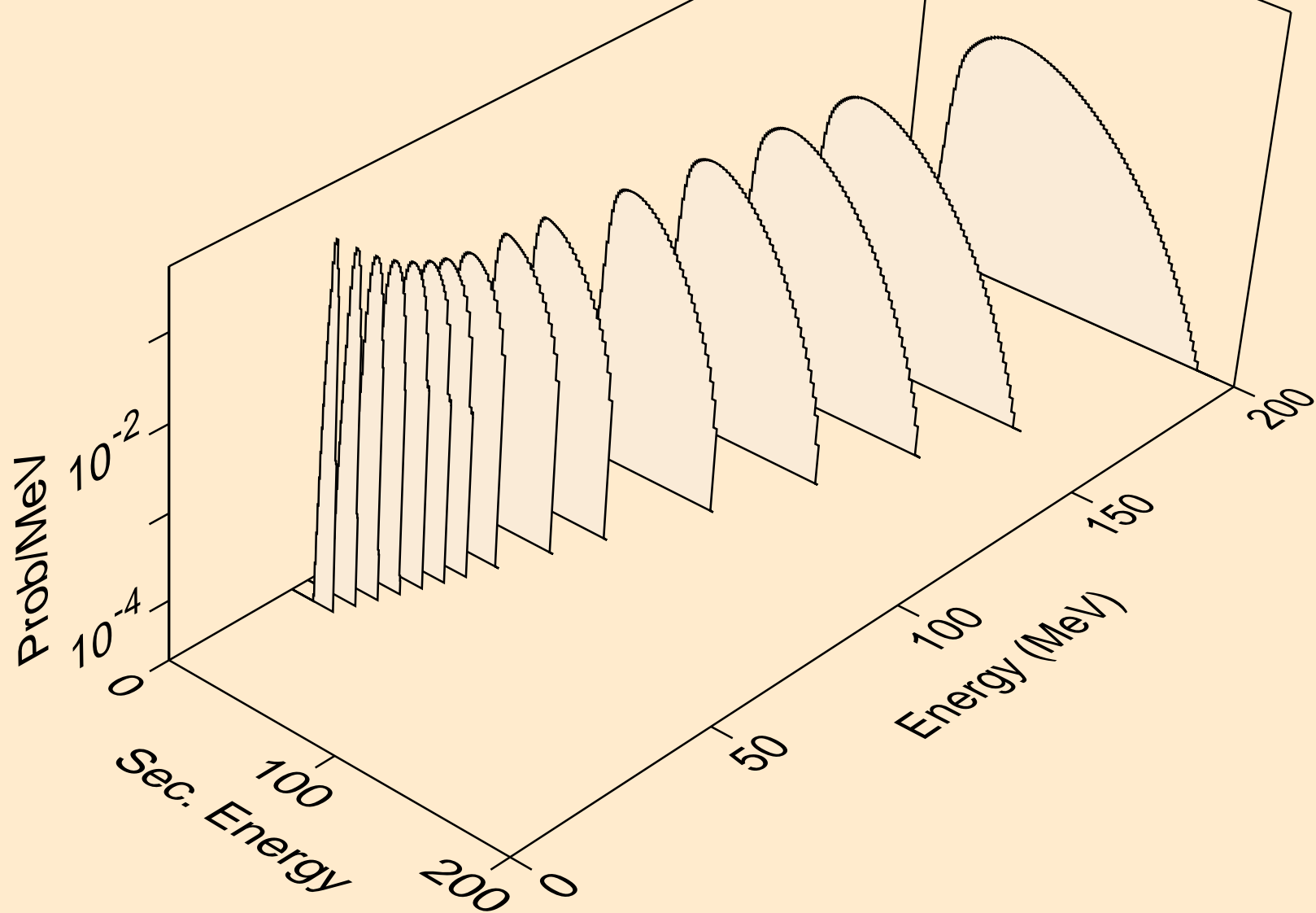
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tritons from (n,n\*)t



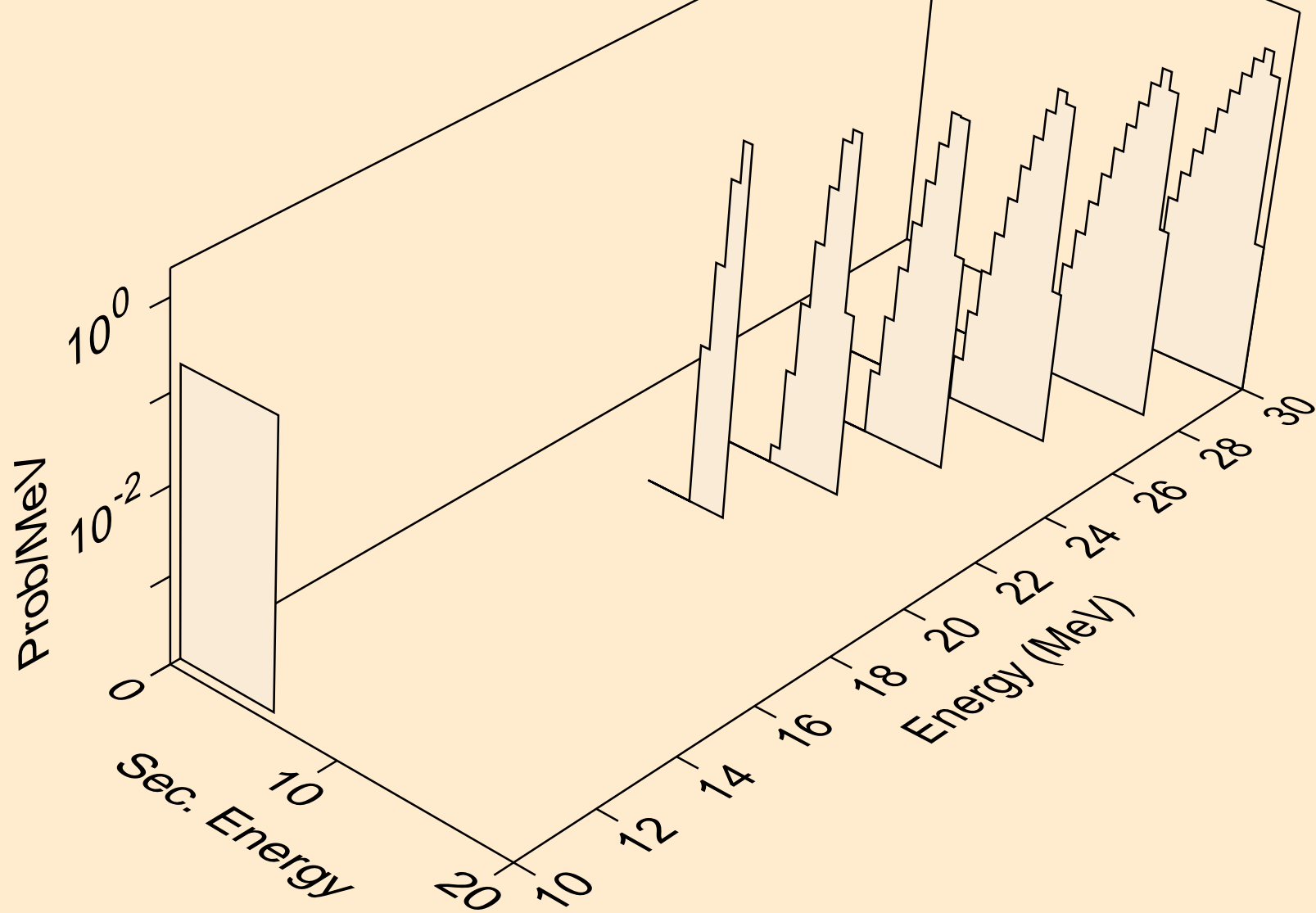
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tritons from (n,t)



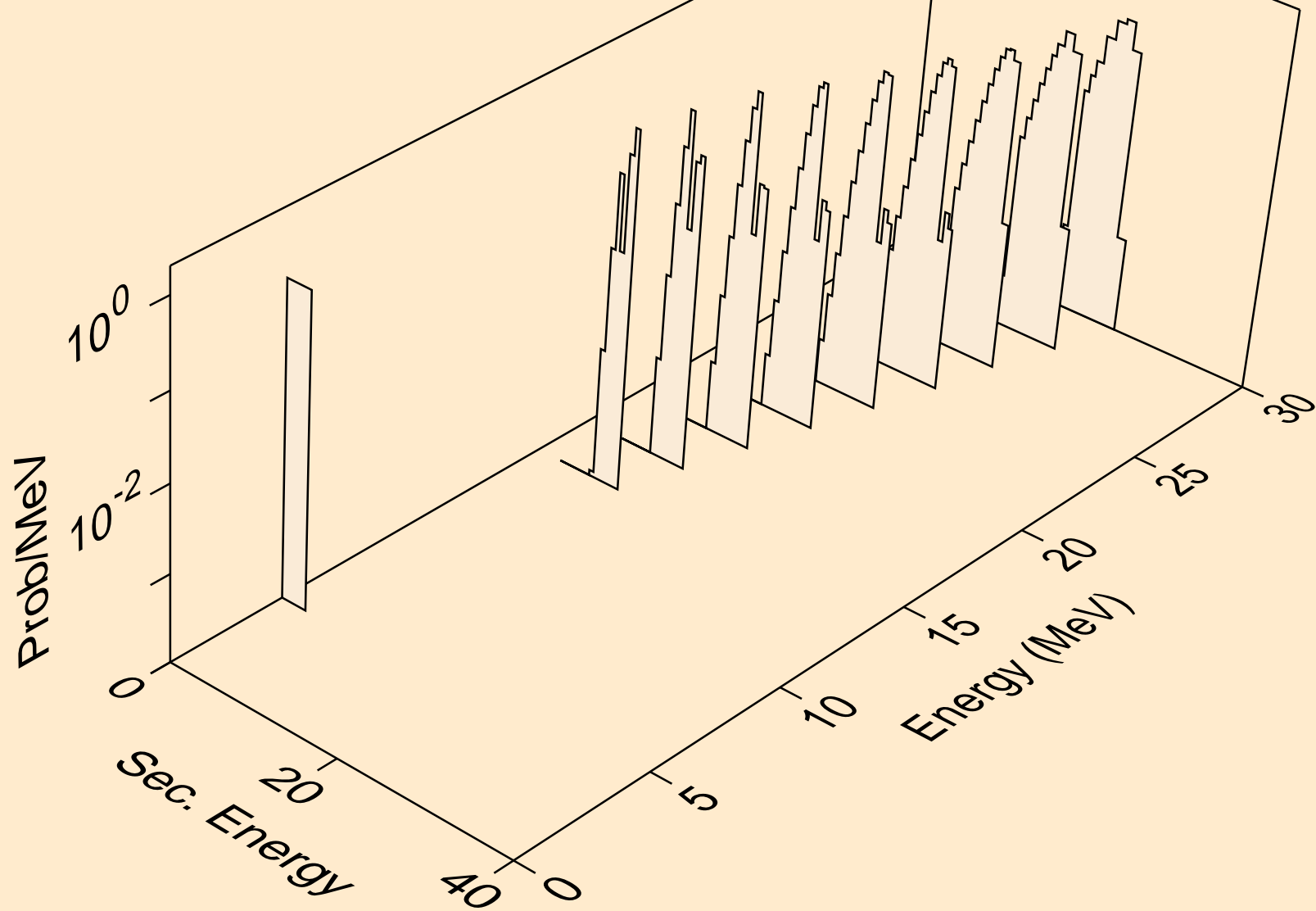
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he3s from (n,x)



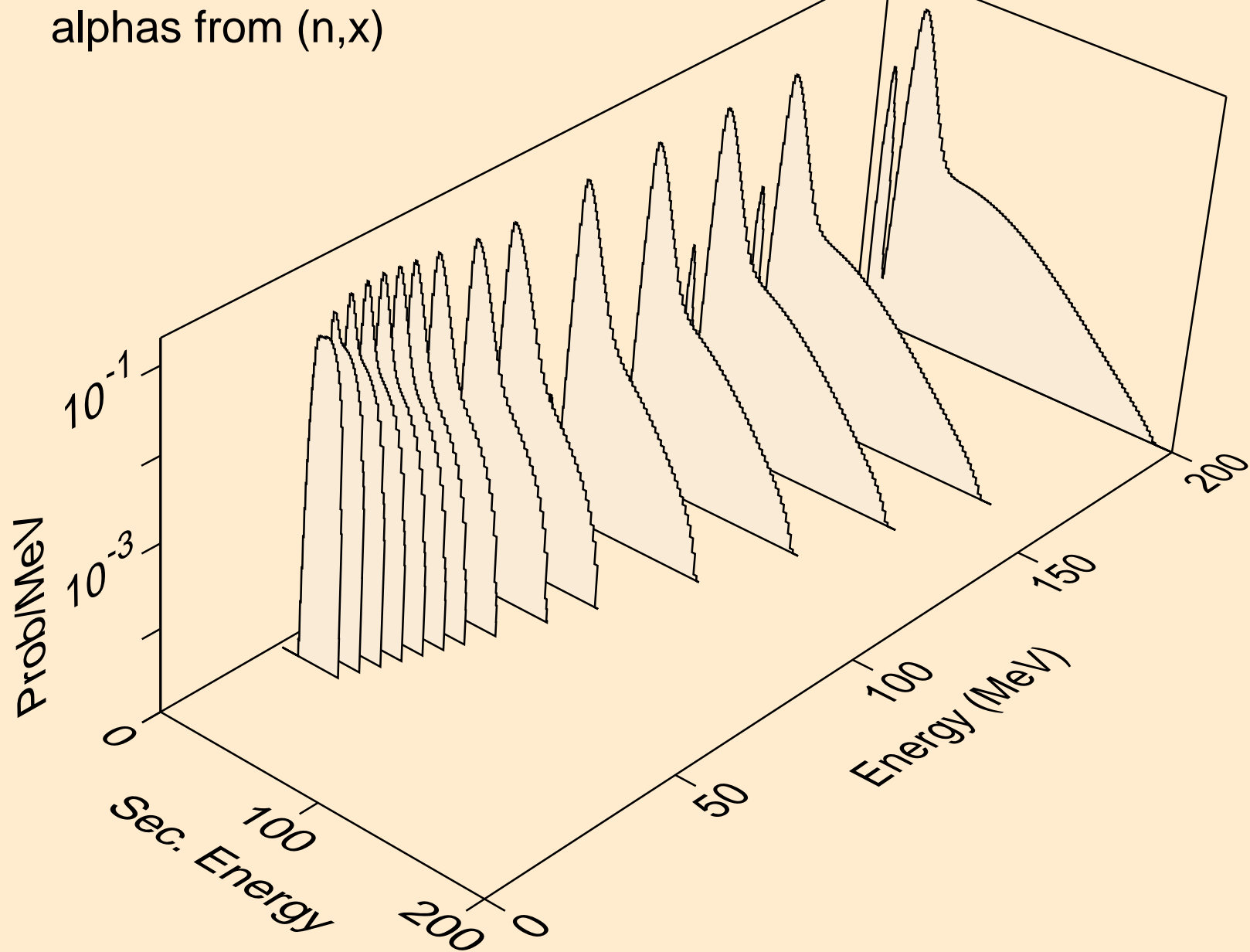
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he3s from (n,n\*)he3



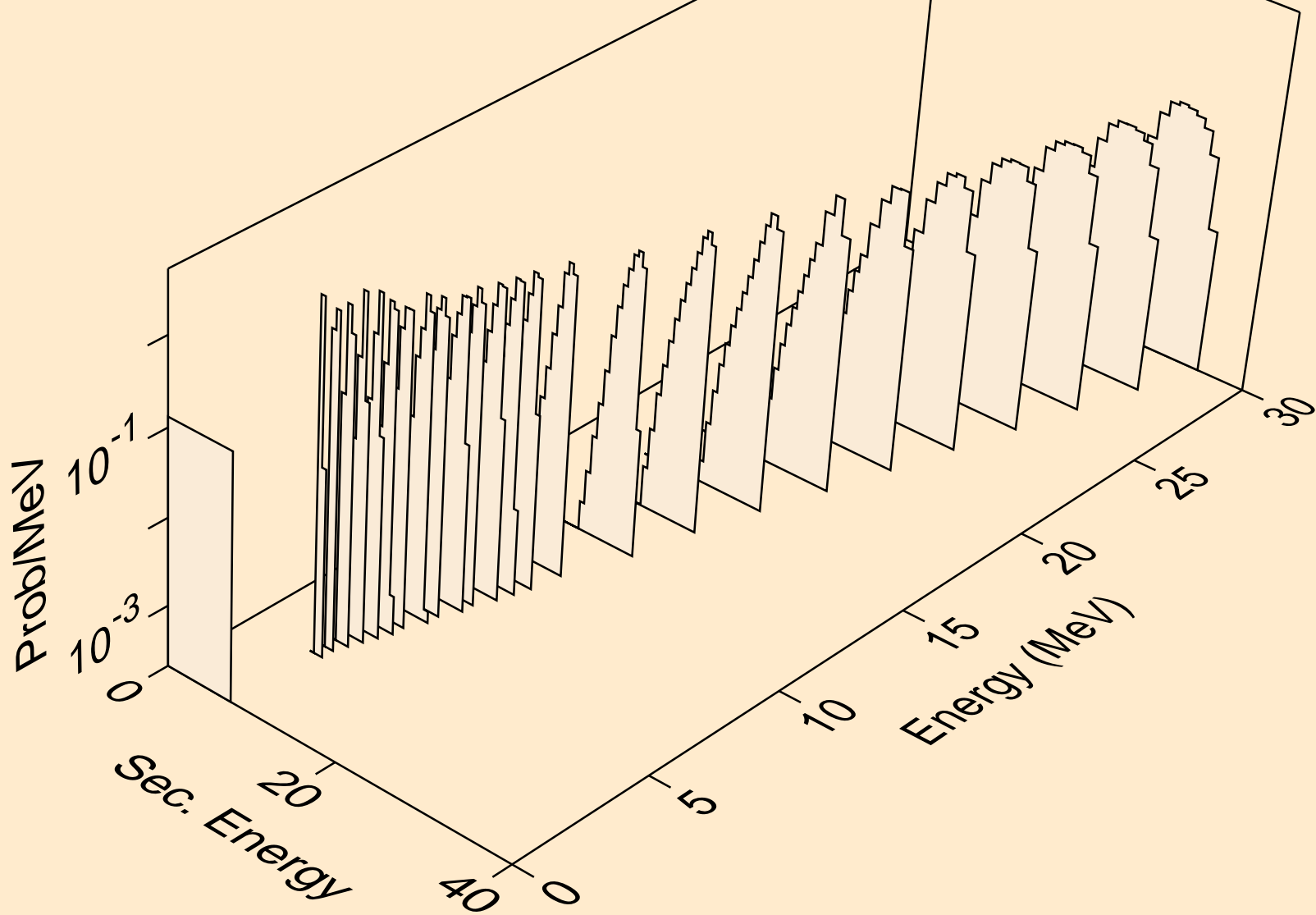
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he3s from (n,he3)



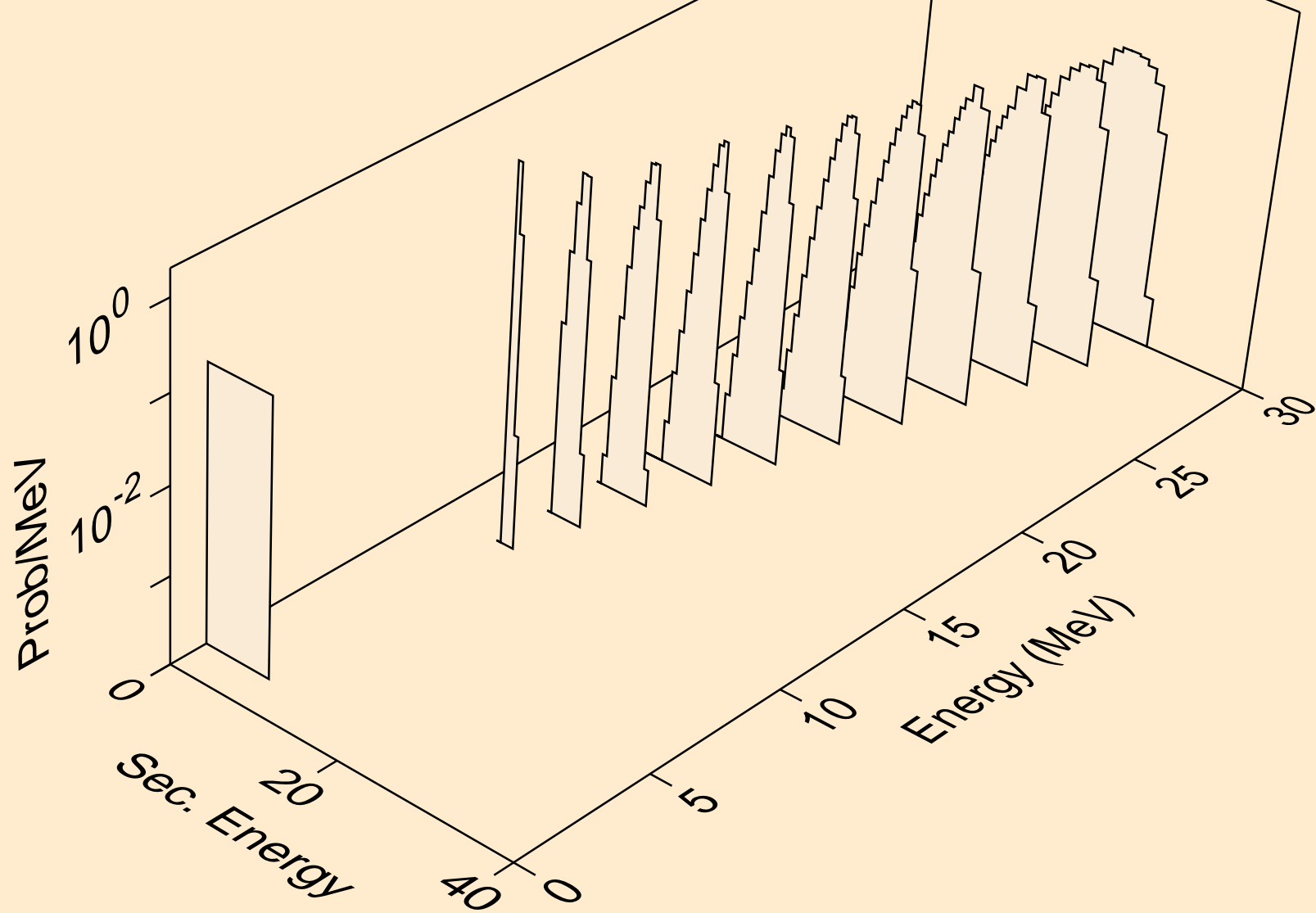
PU240 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,x)



PU240 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)a

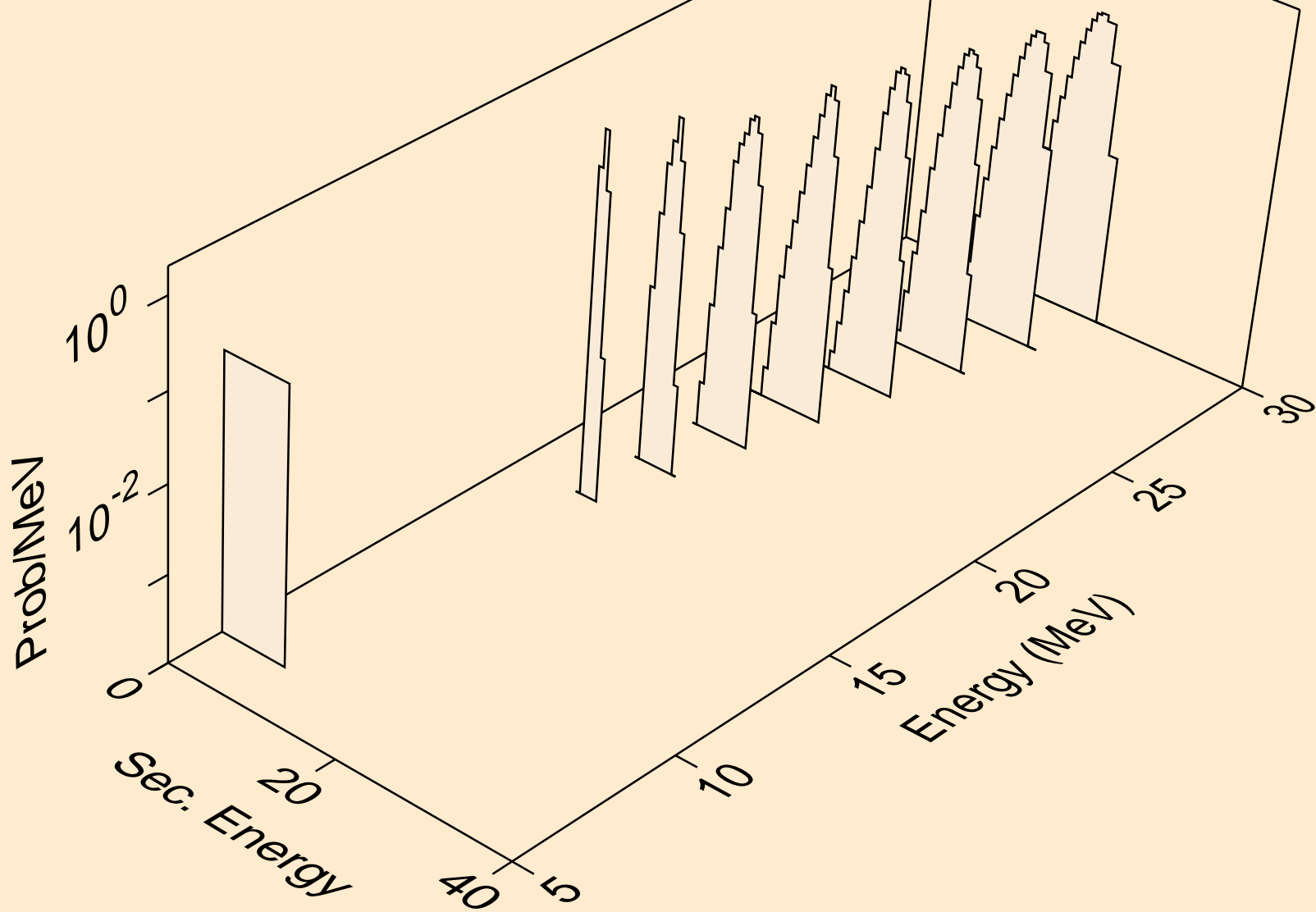


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alphas from (n,2n)a

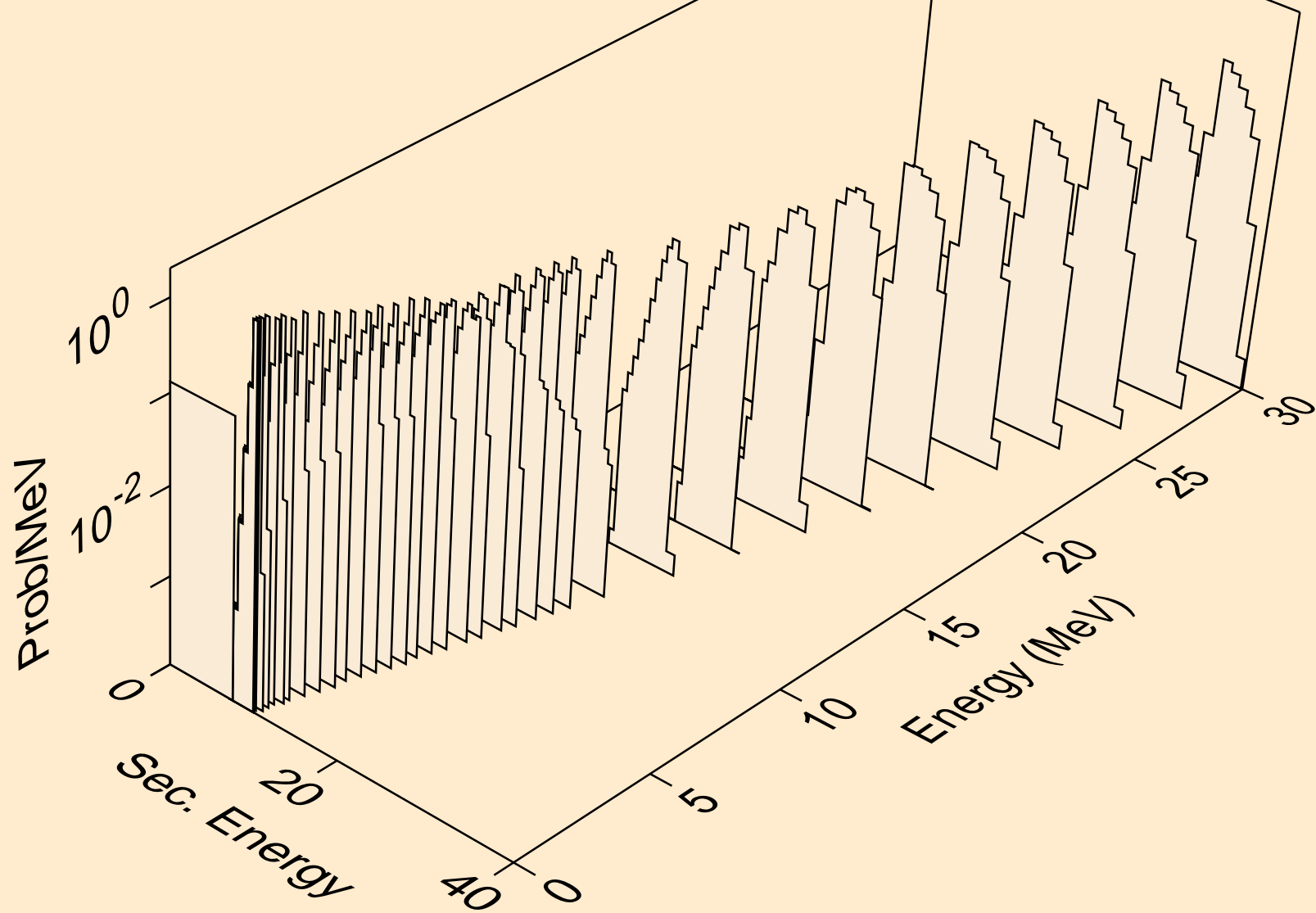




PU240 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,3n)a



PU240 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,a)



PU240 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,pa)

