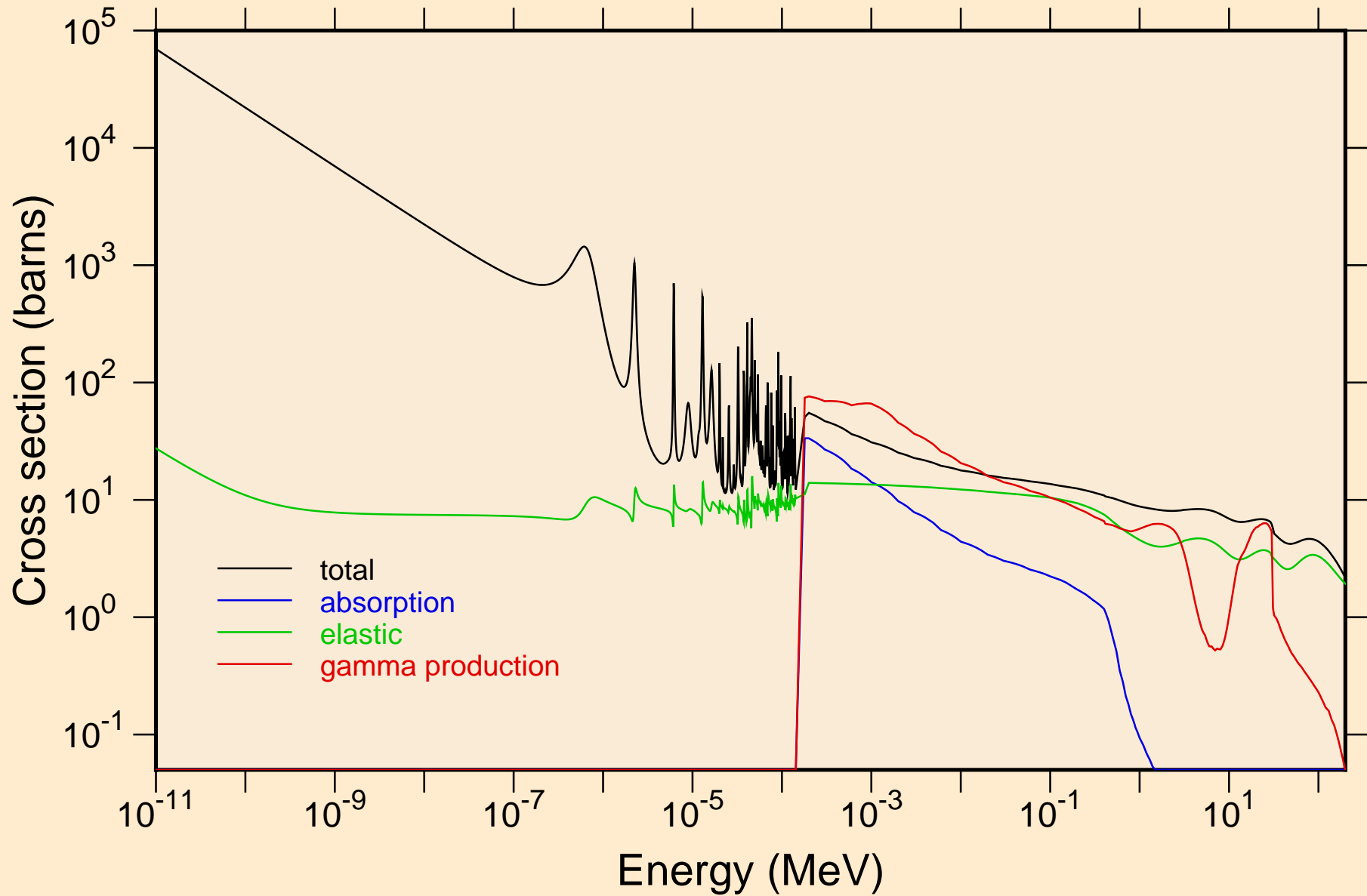
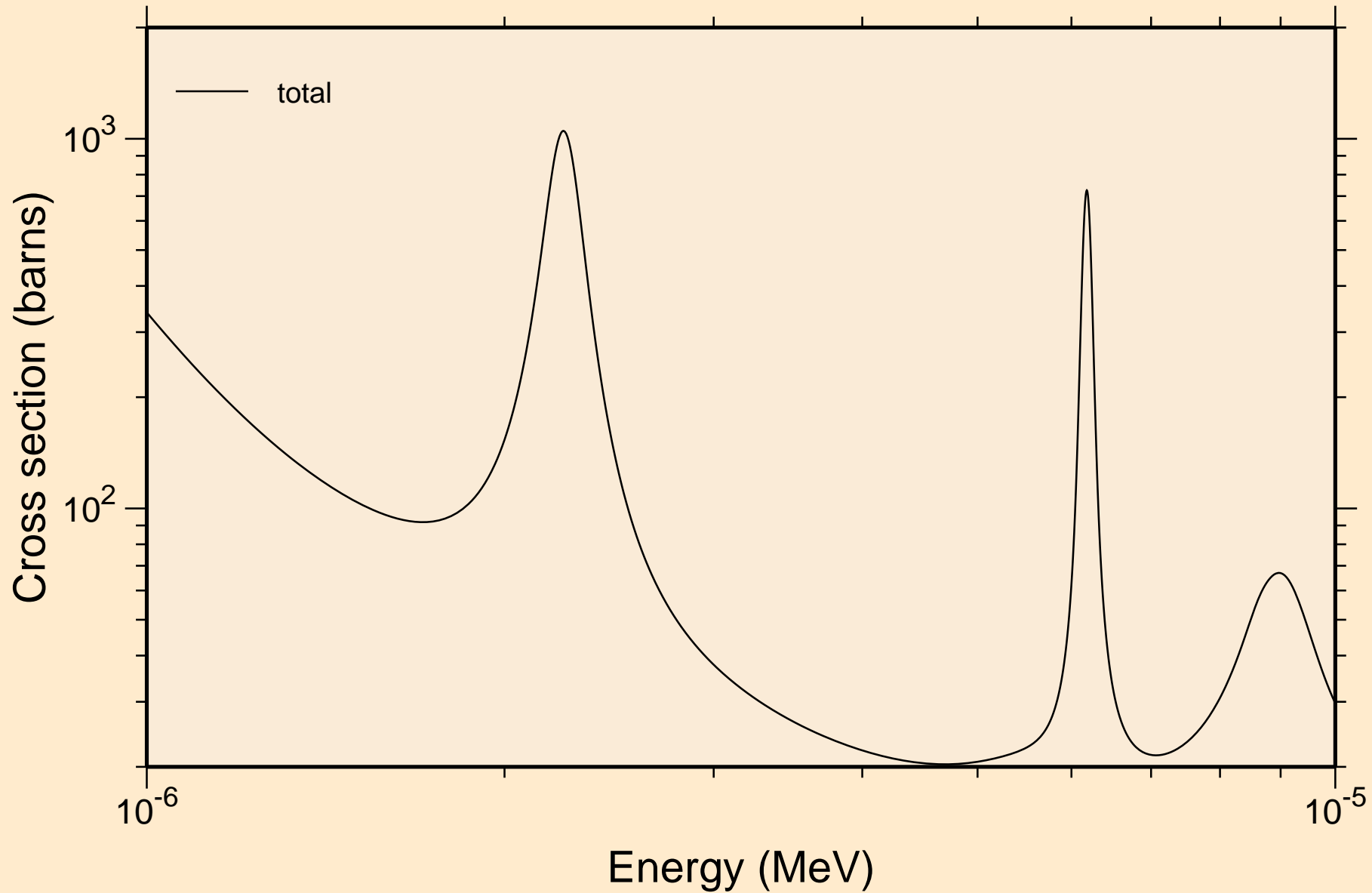


# ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

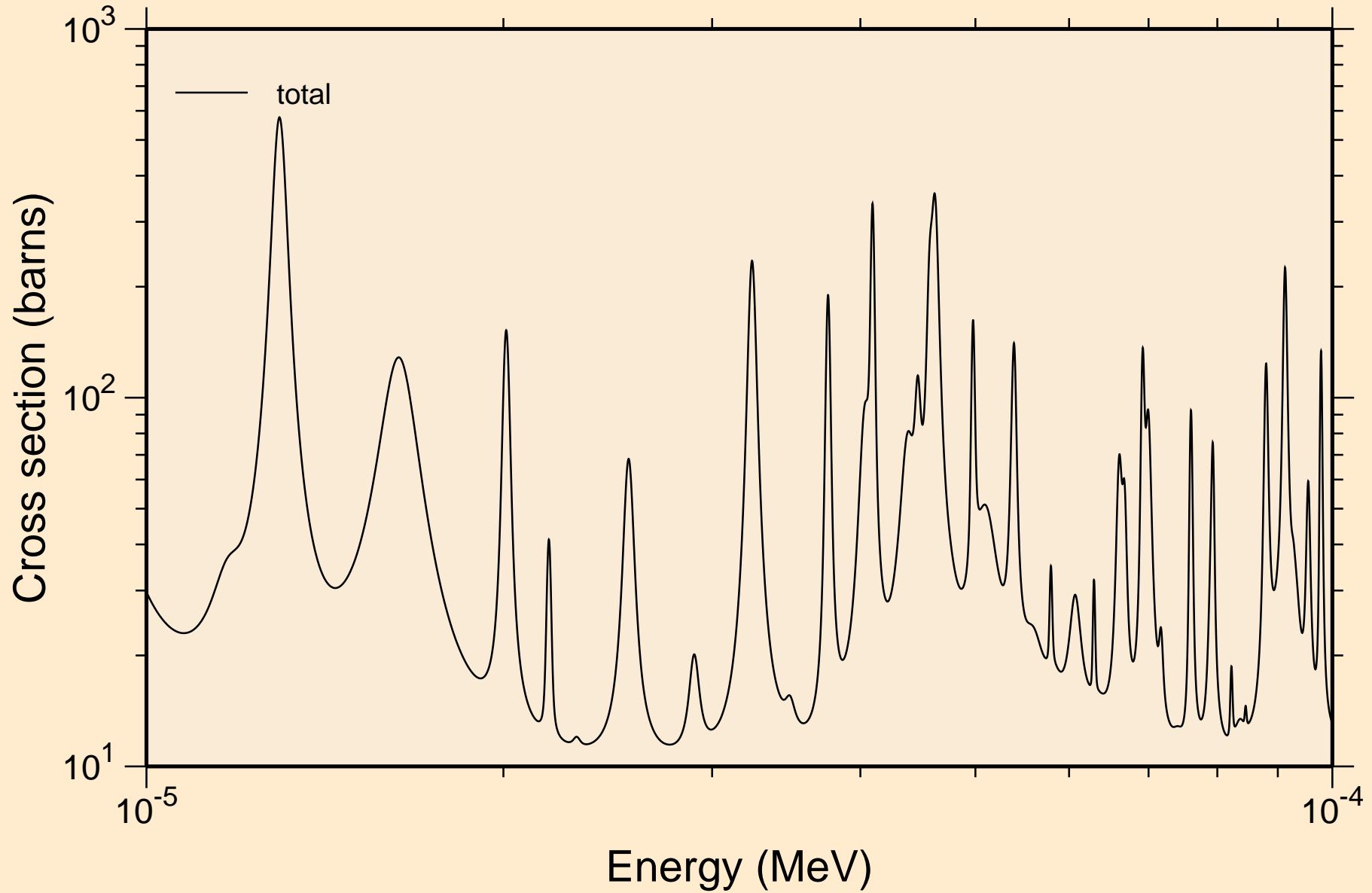
## Principal cross sections



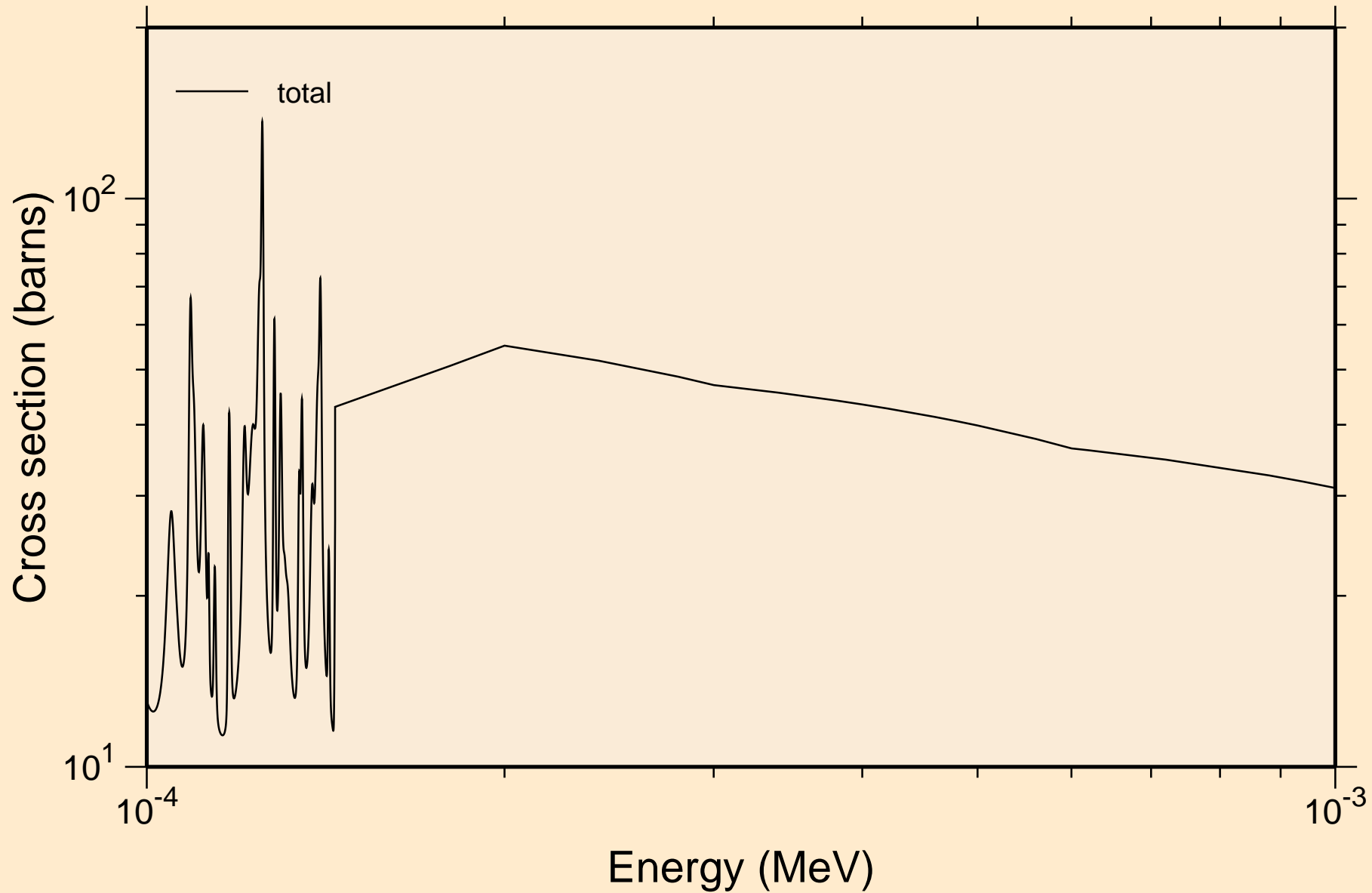
ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



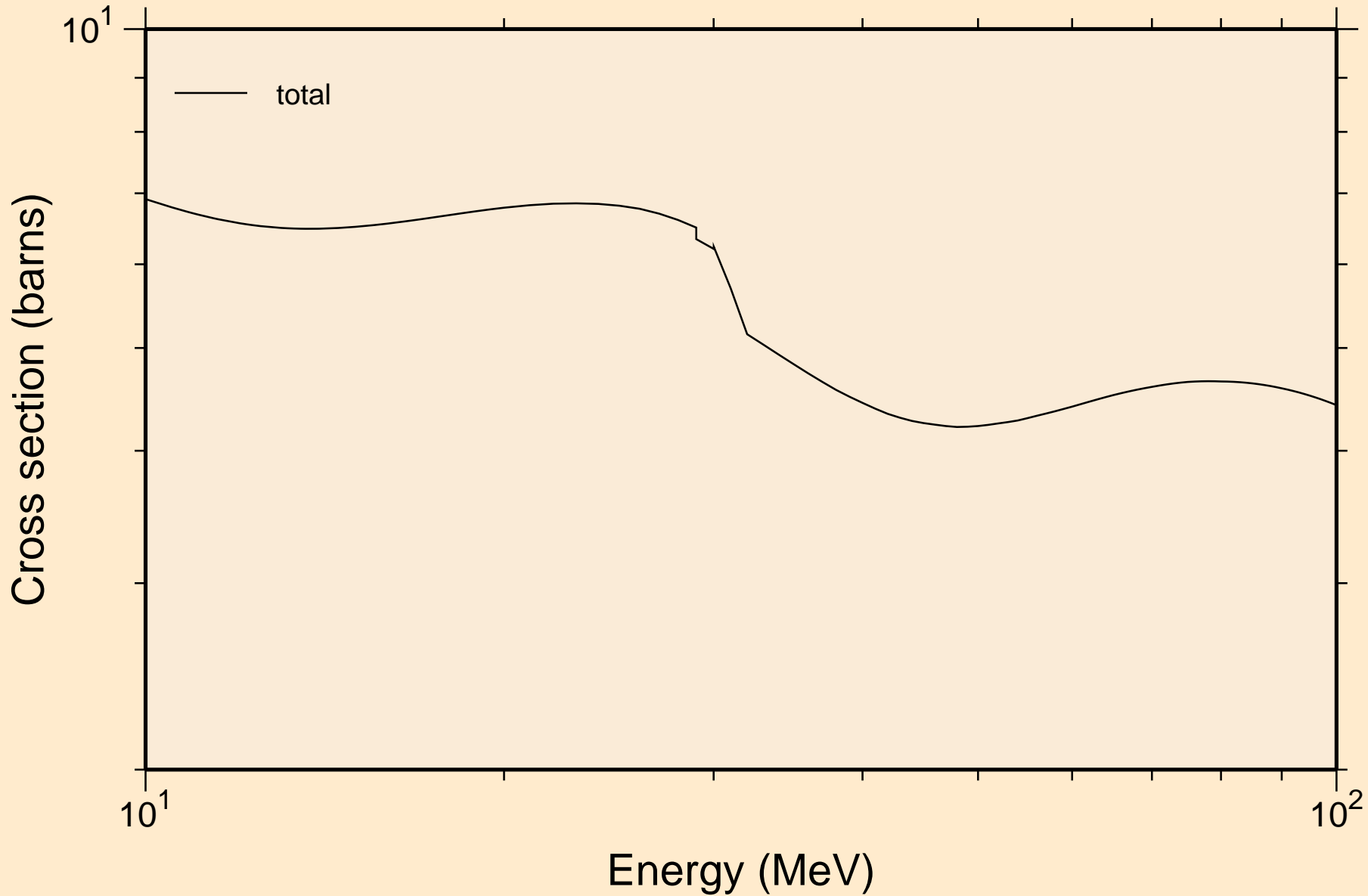
ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



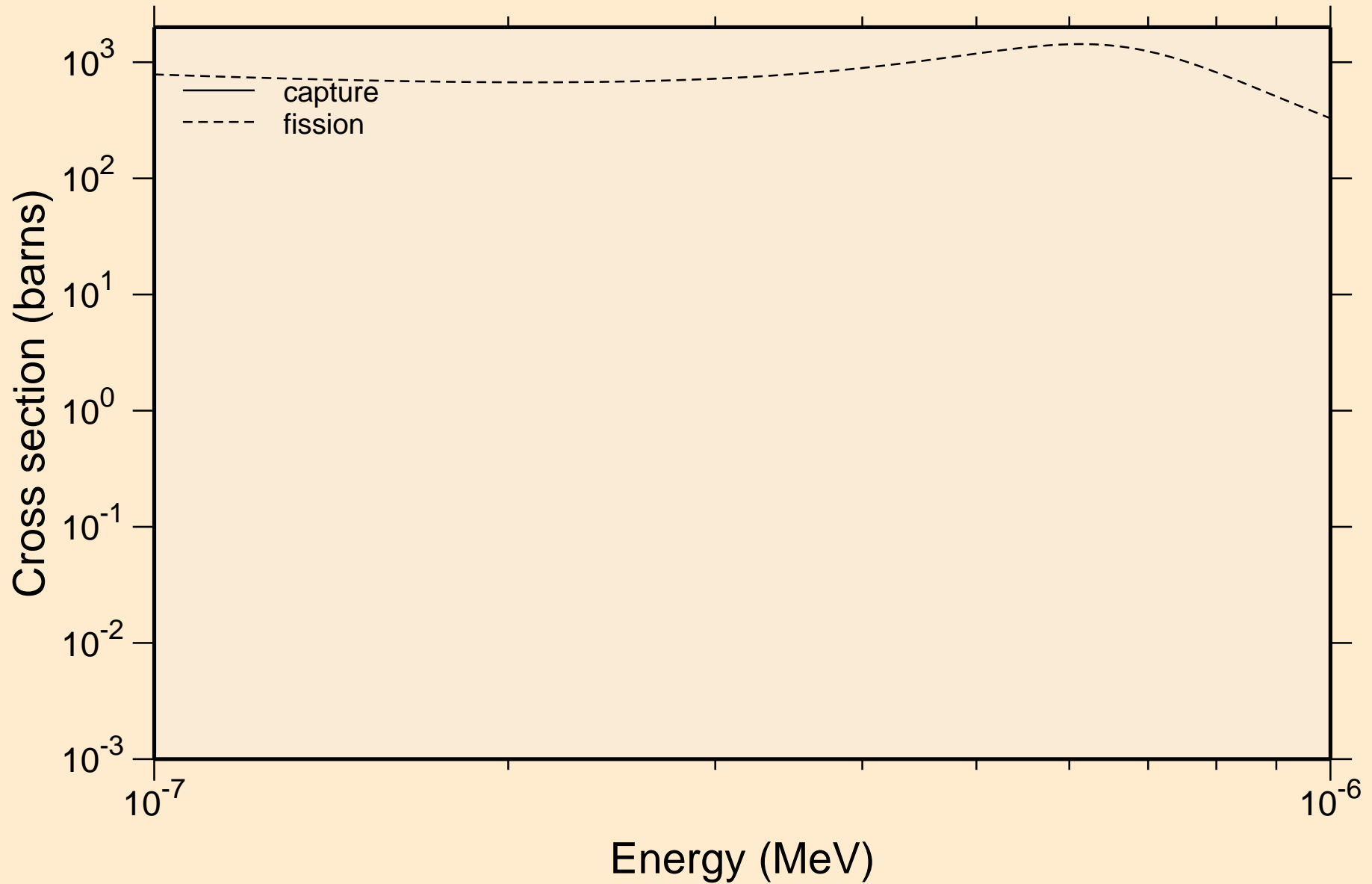
ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



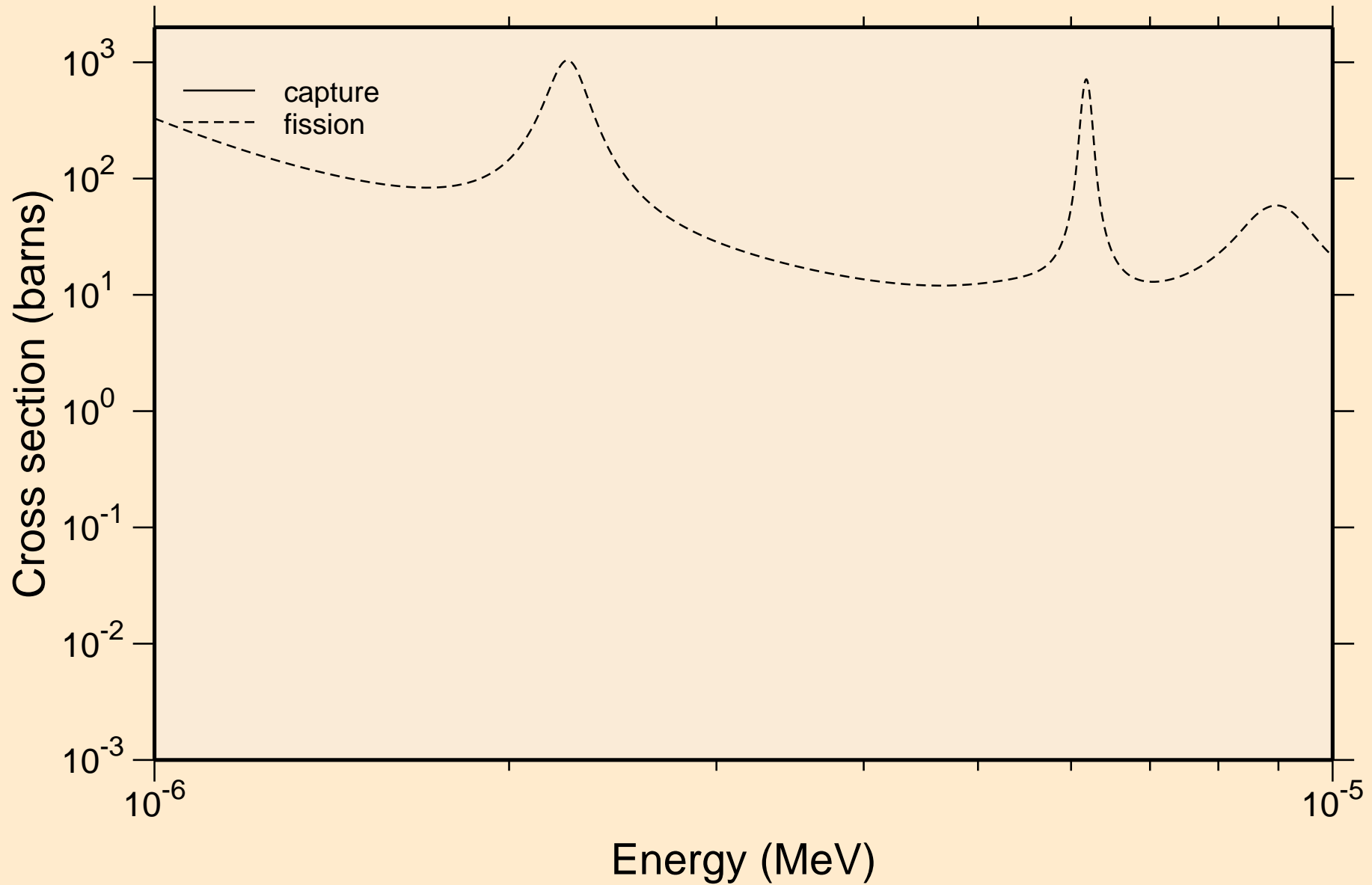
ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



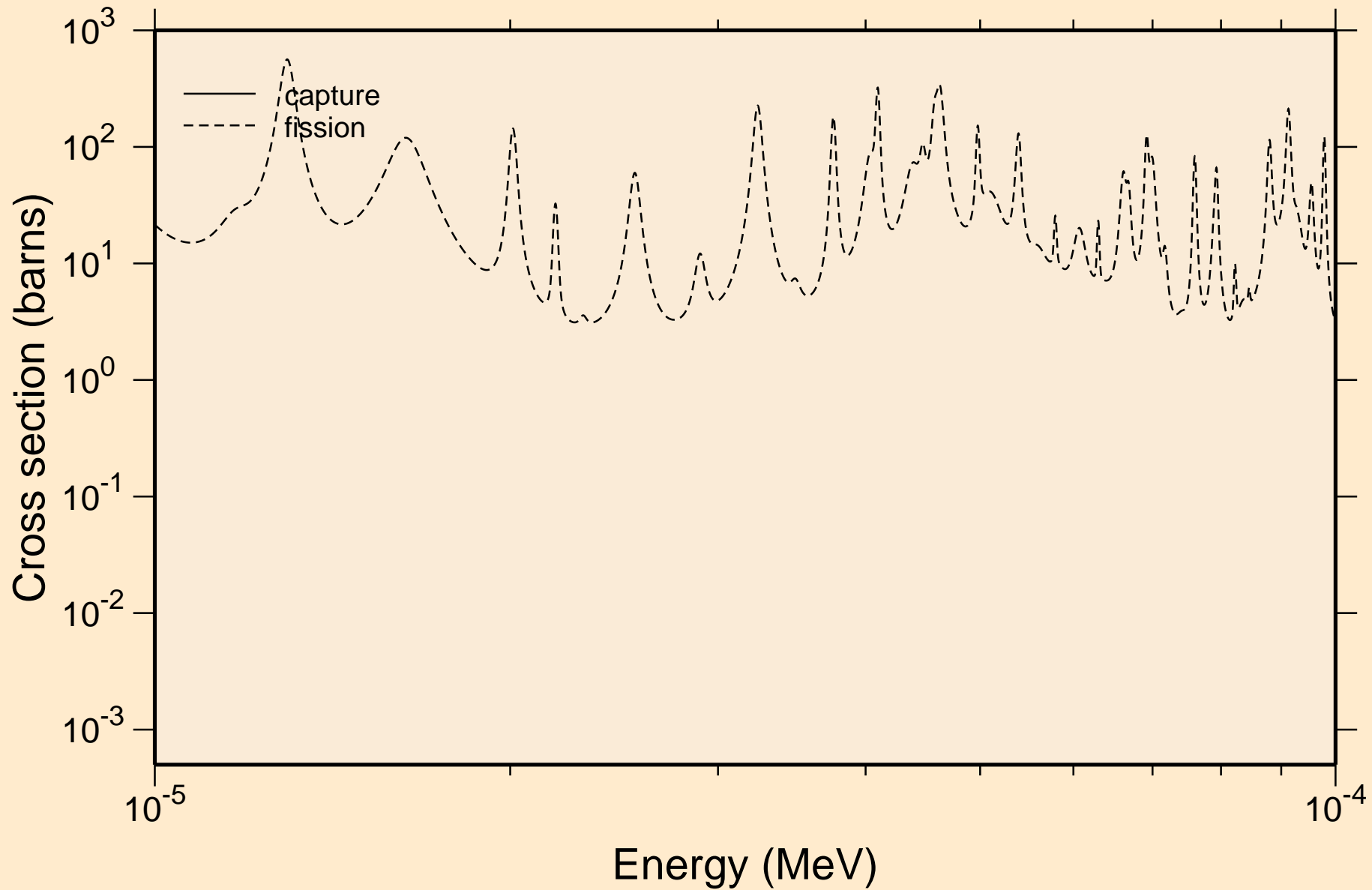
ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections

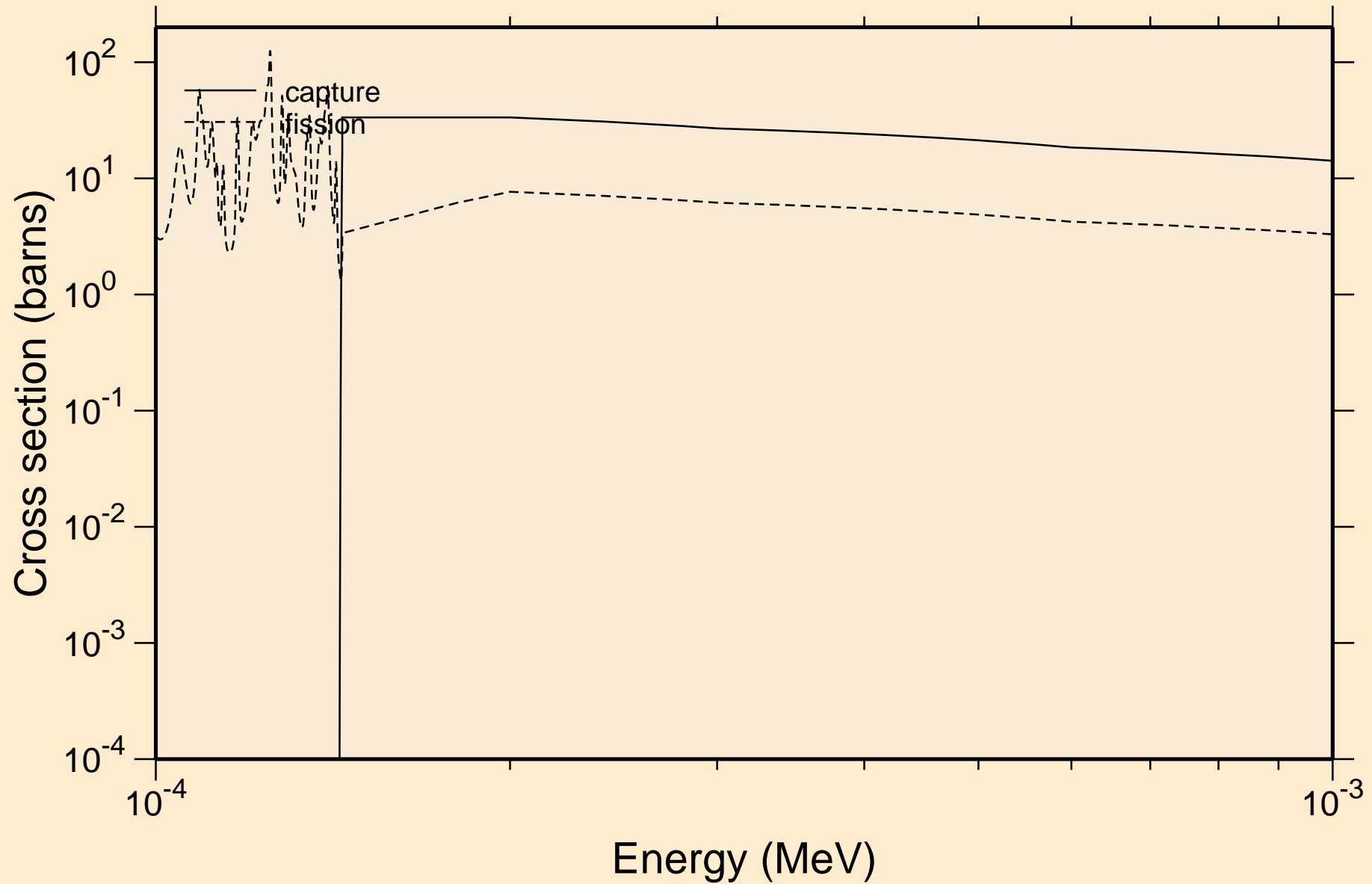


ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections

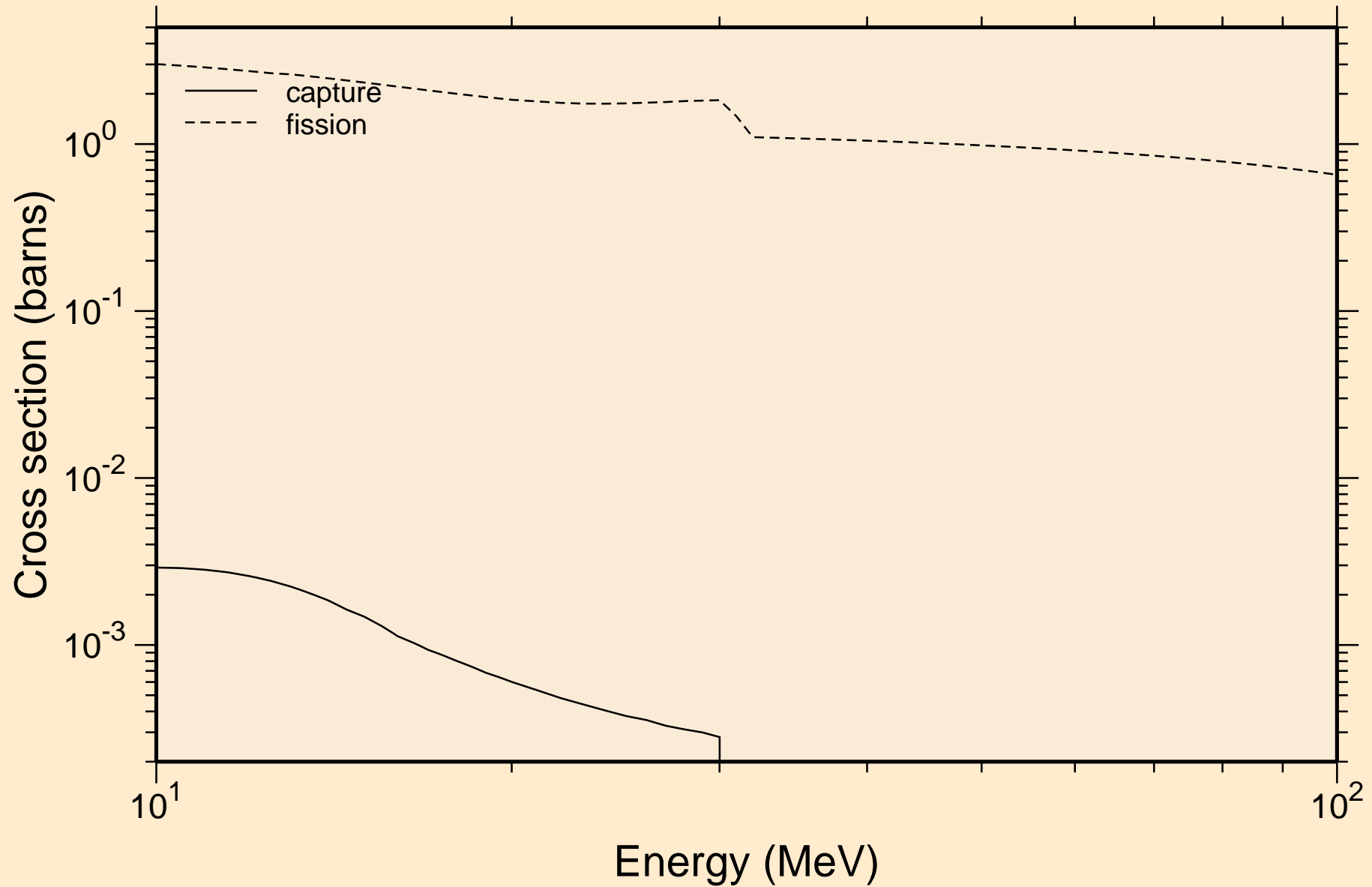




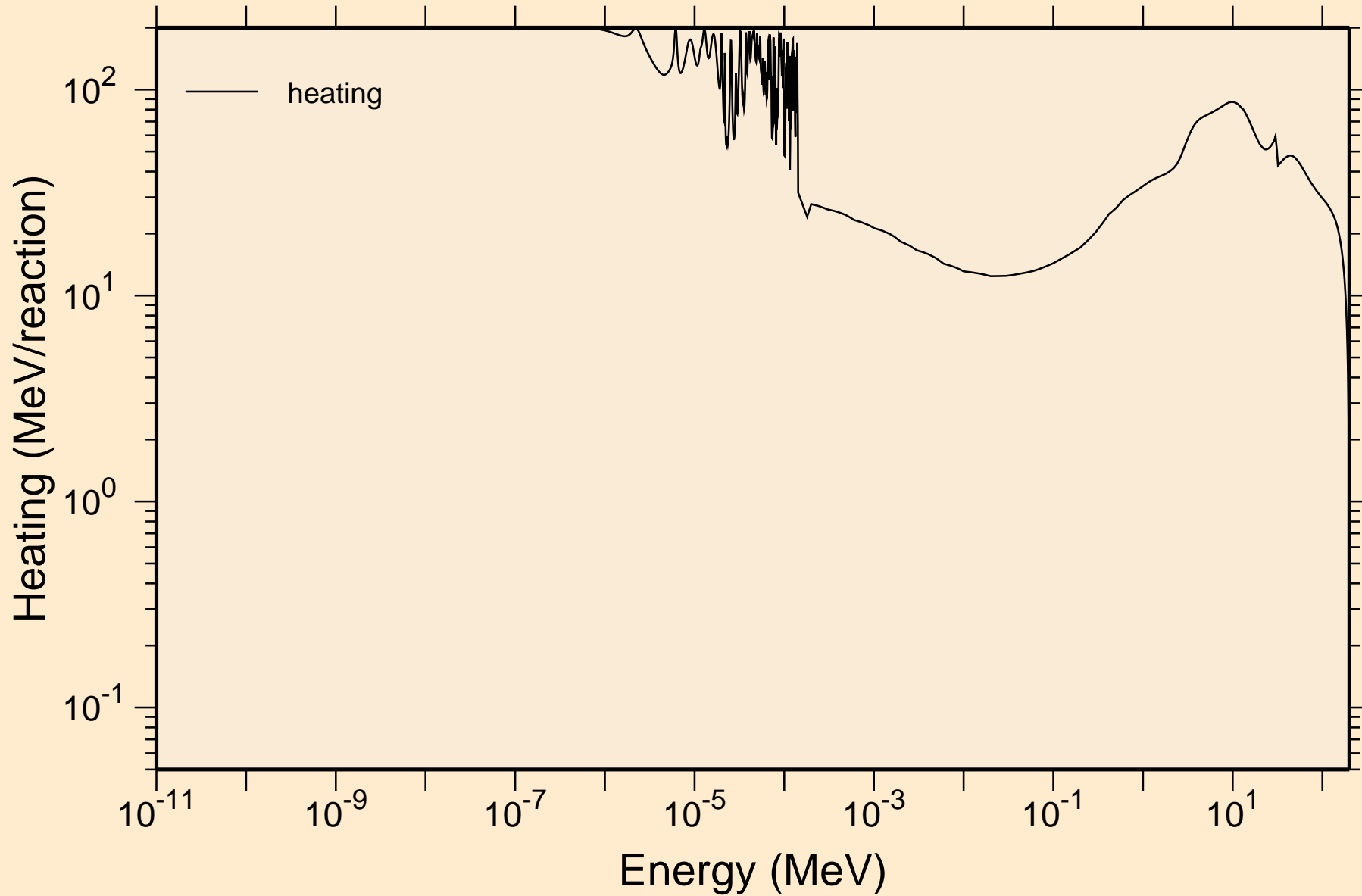
ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



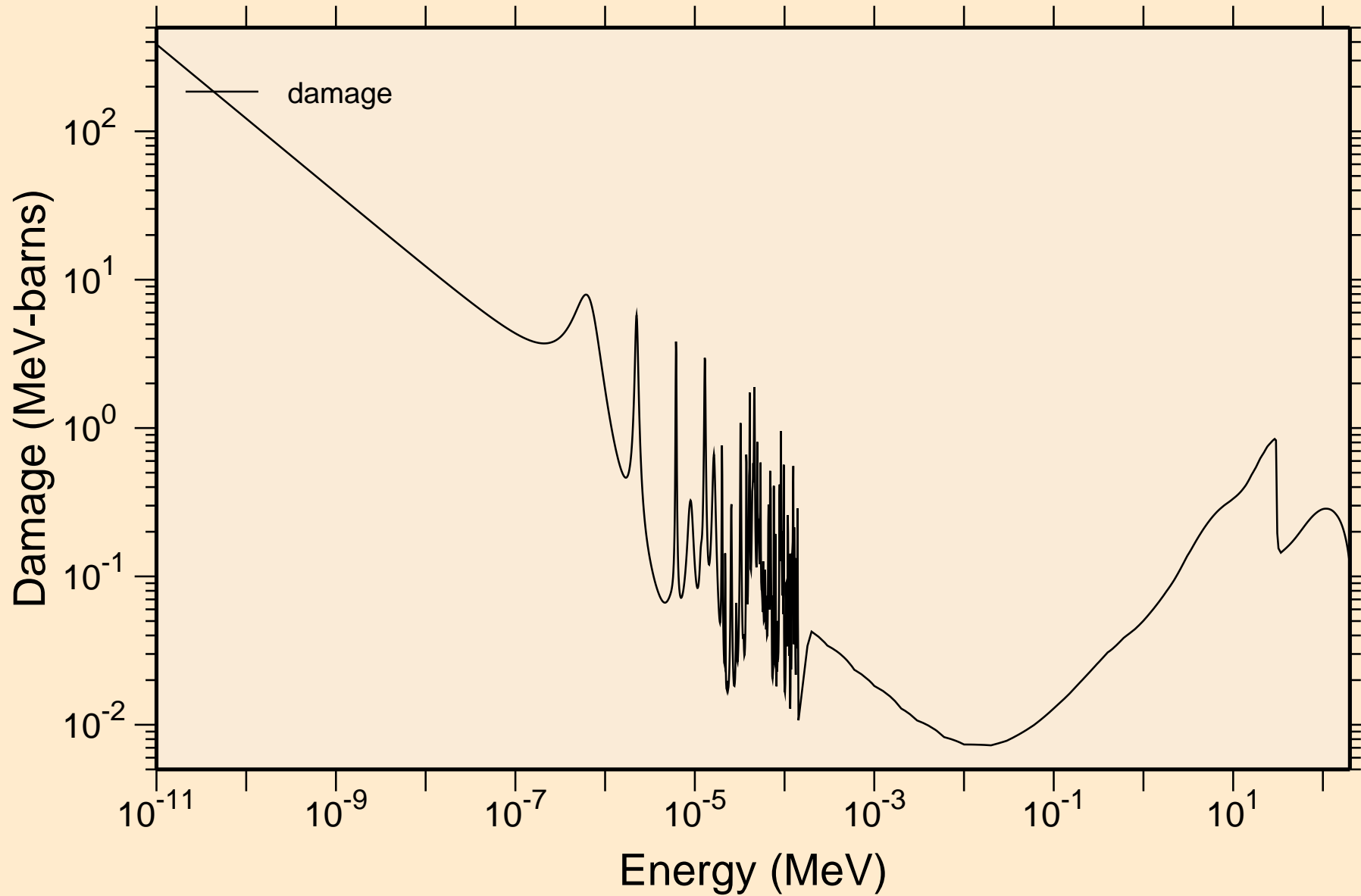
ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Heating

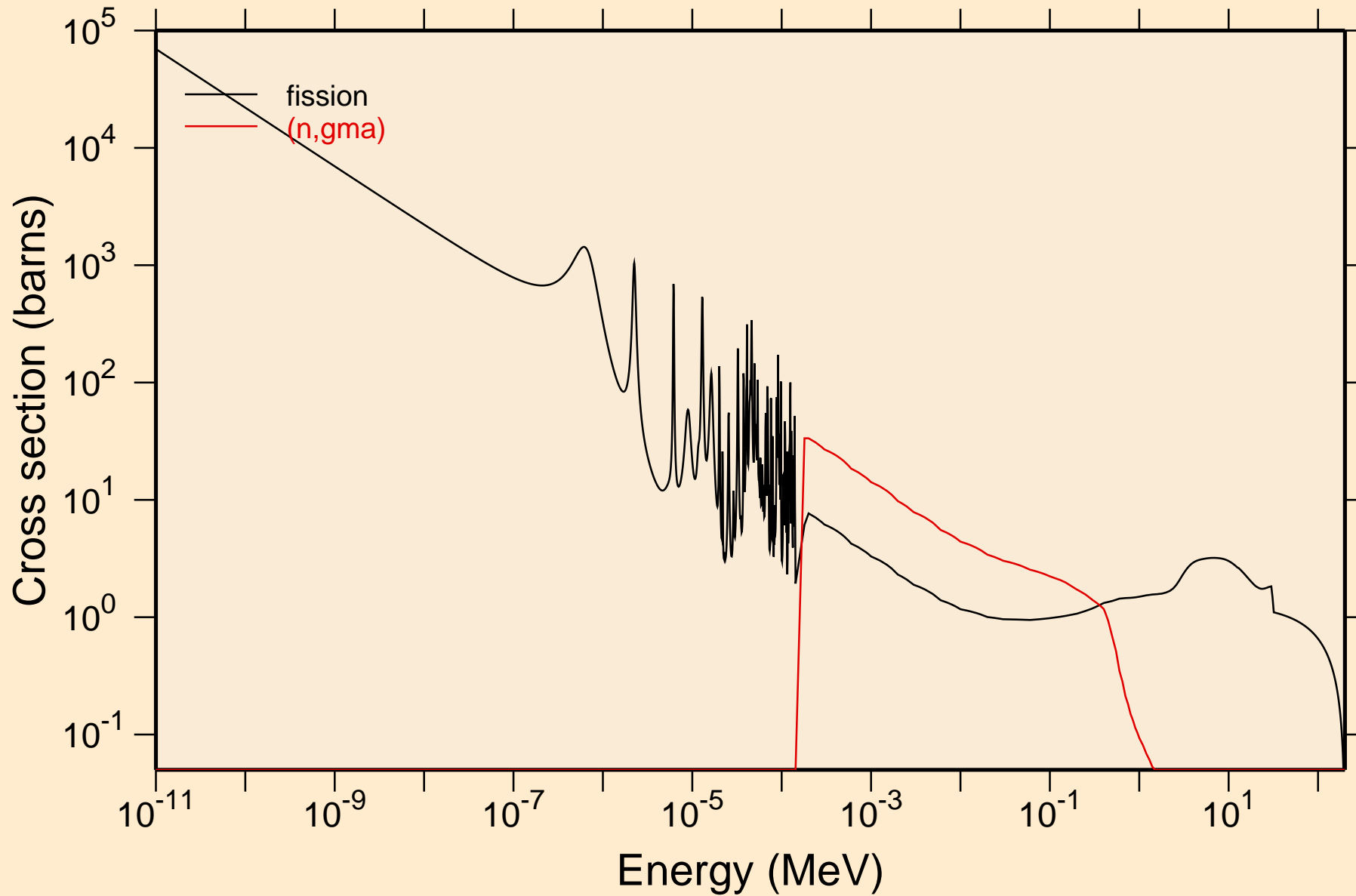


# ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K Damage

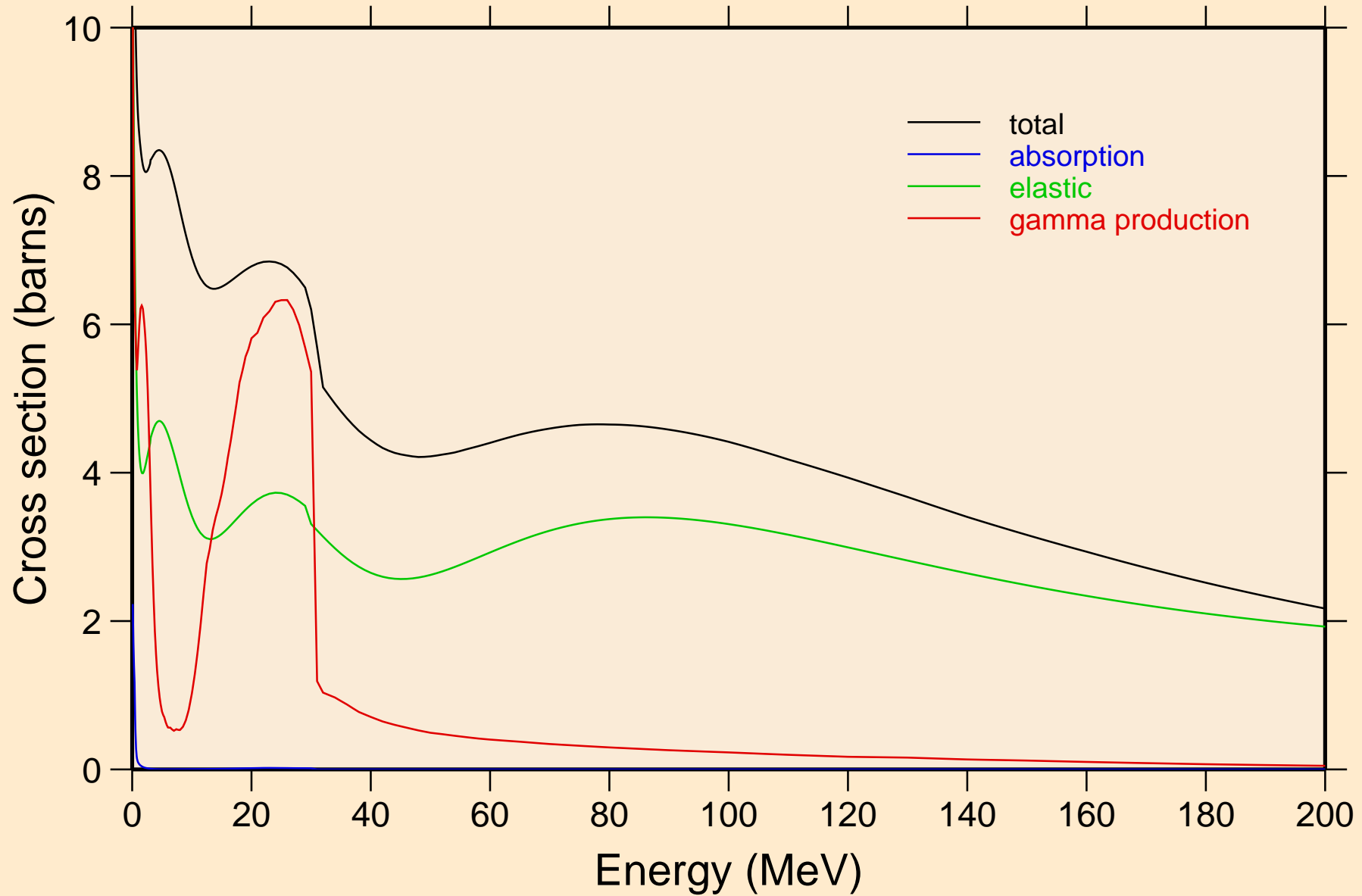


# ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

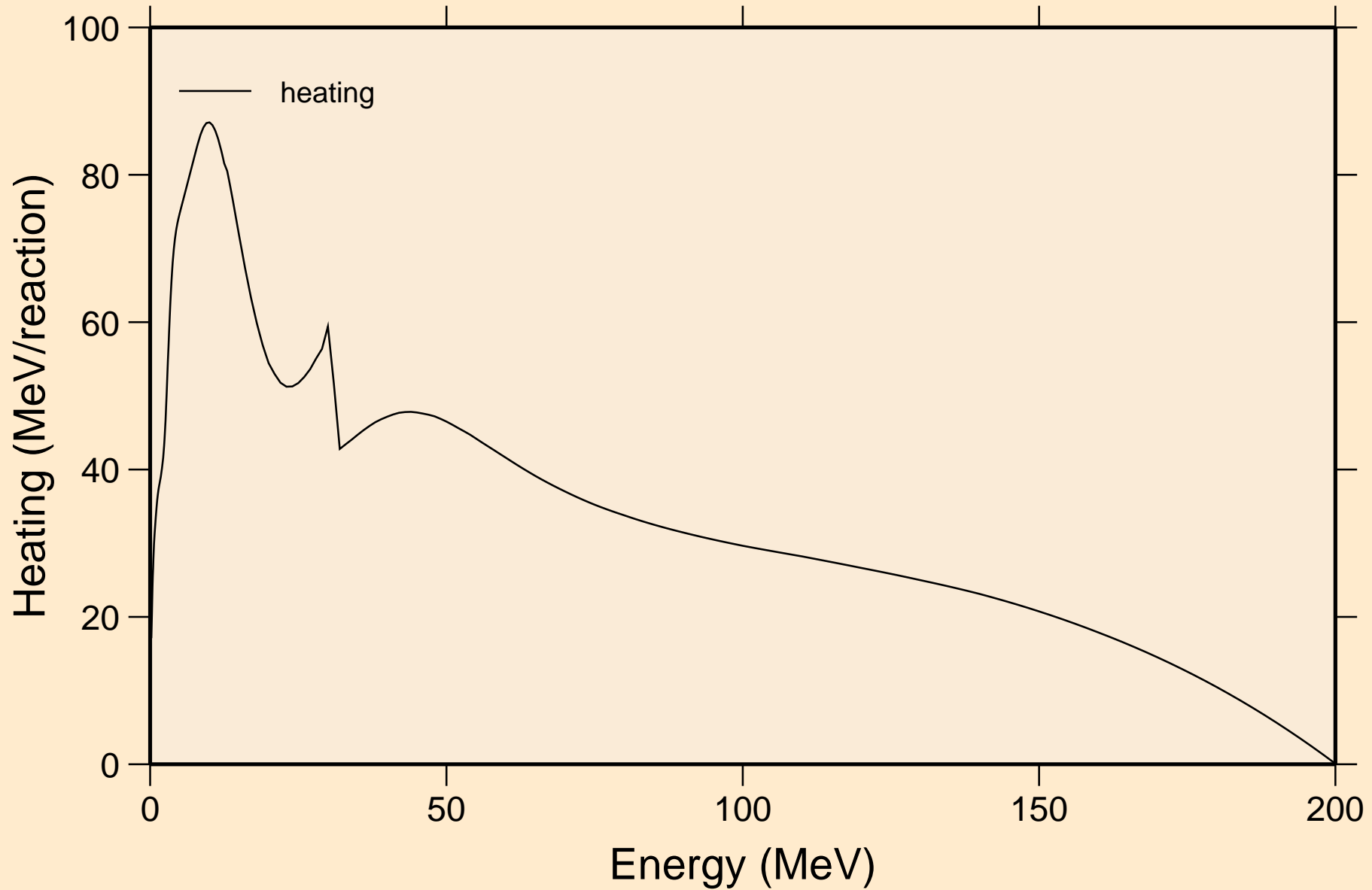
## Non-threshold reactions



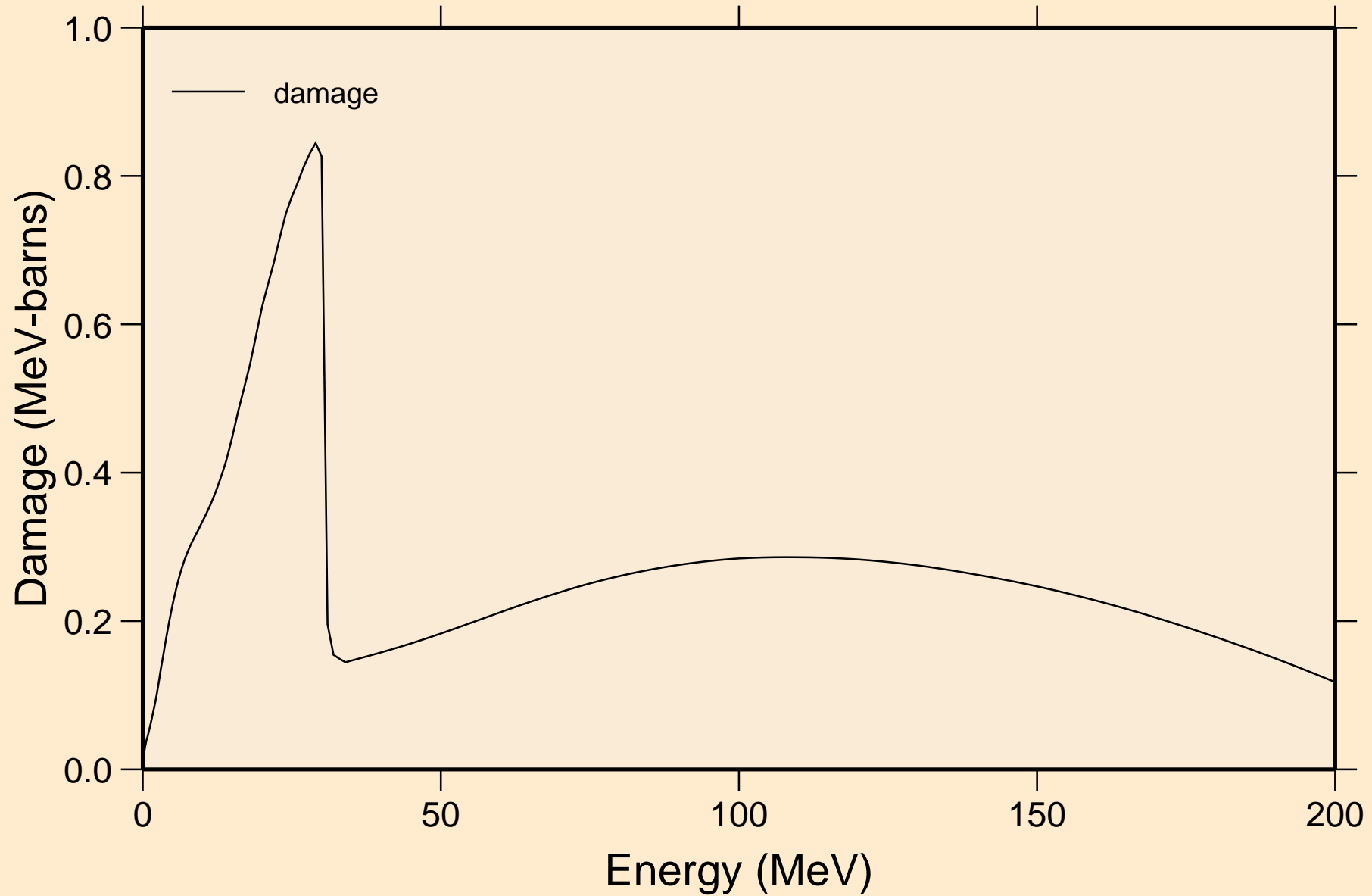
ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Principal cross sections



ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Heating



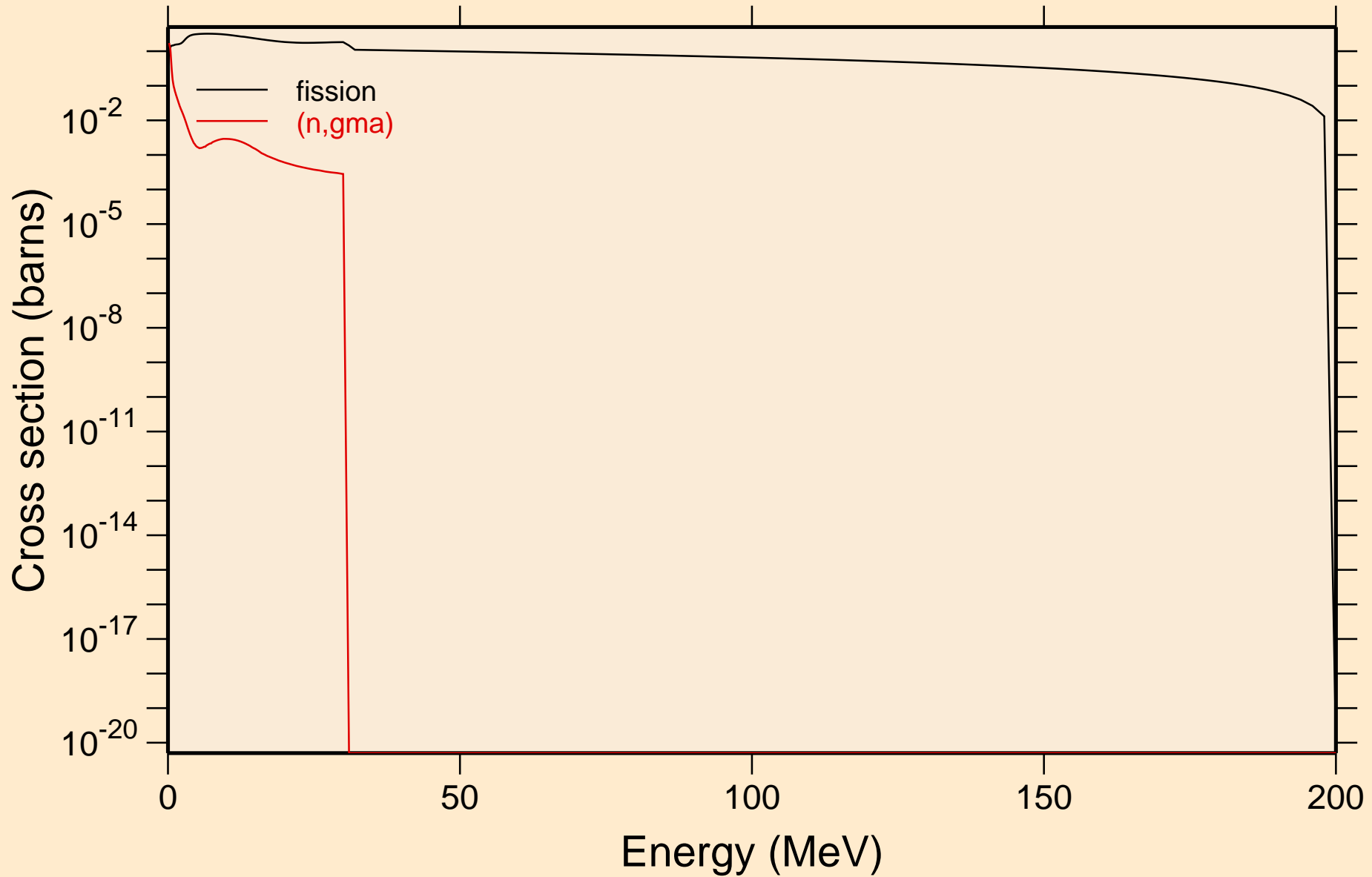
ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Damage



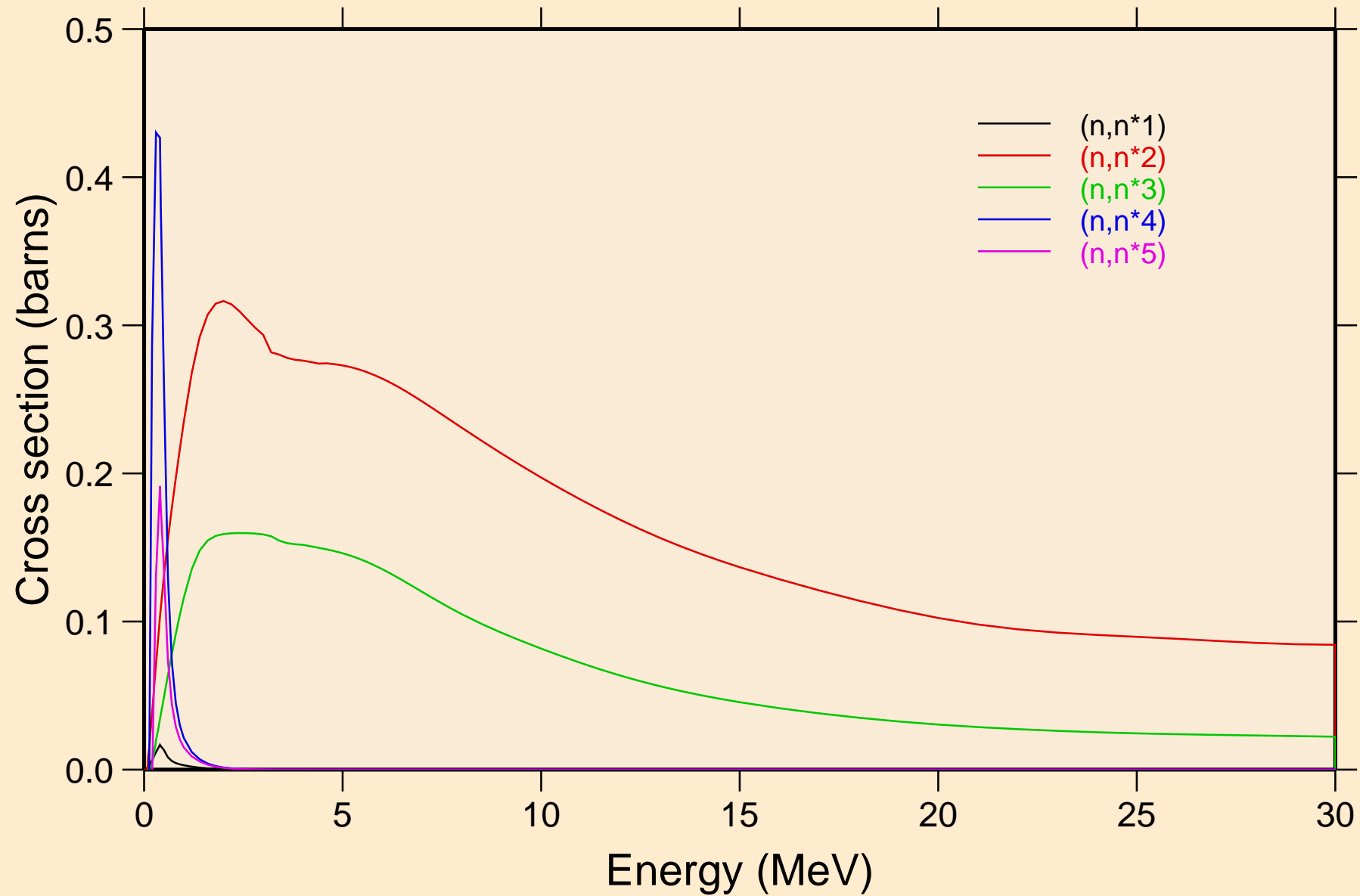


# ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

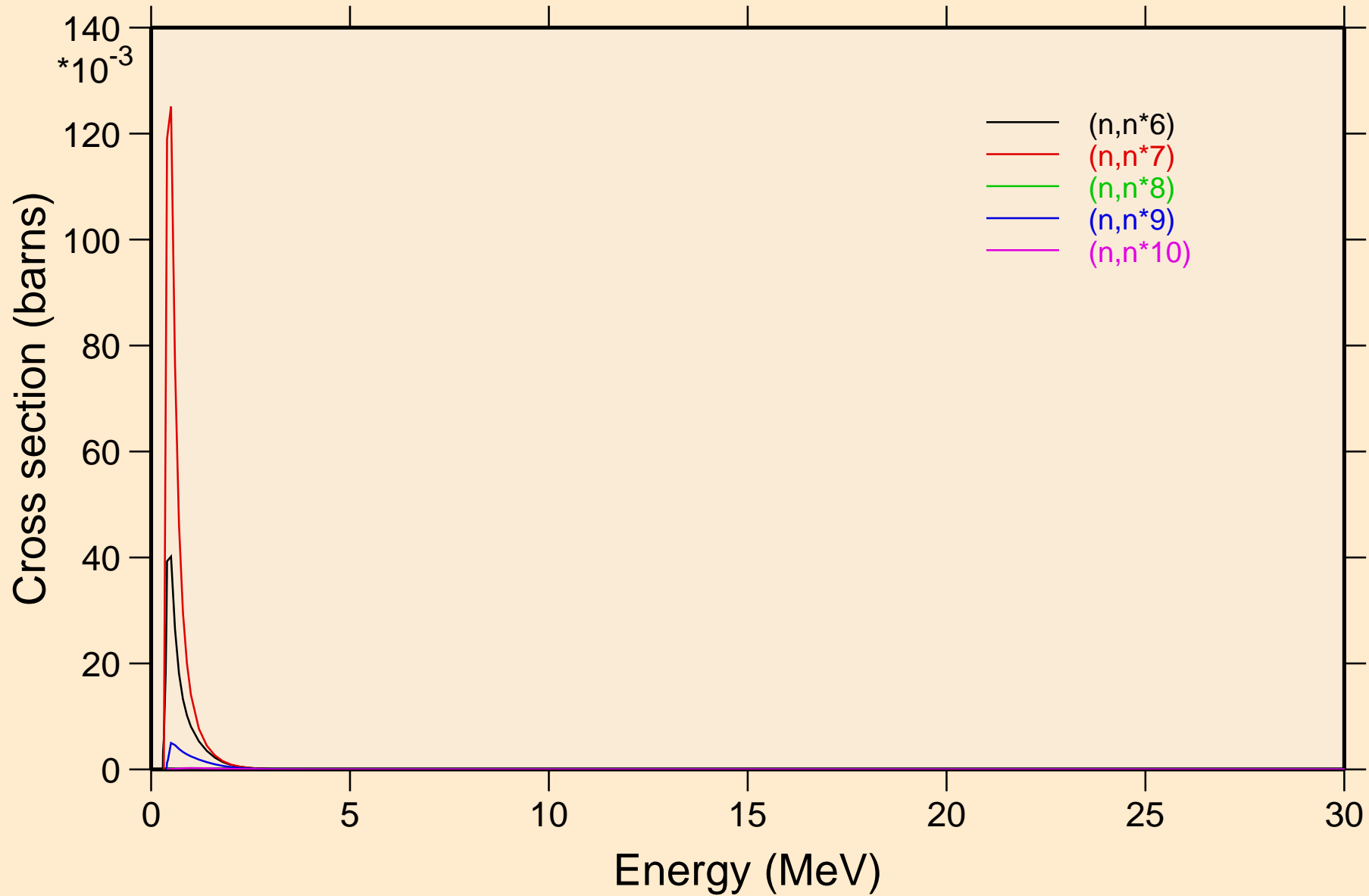
## Non-threshold reactions



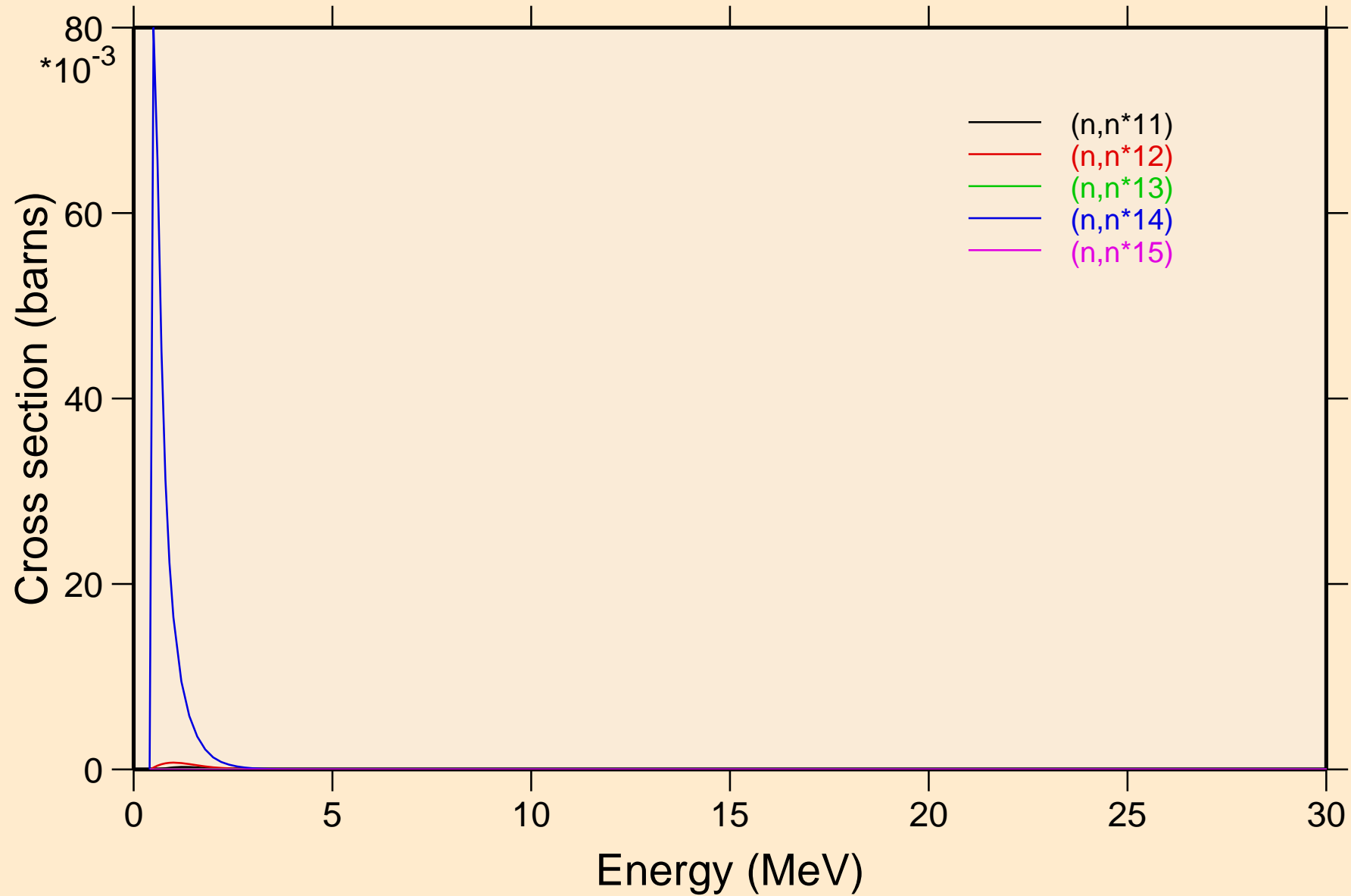
ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



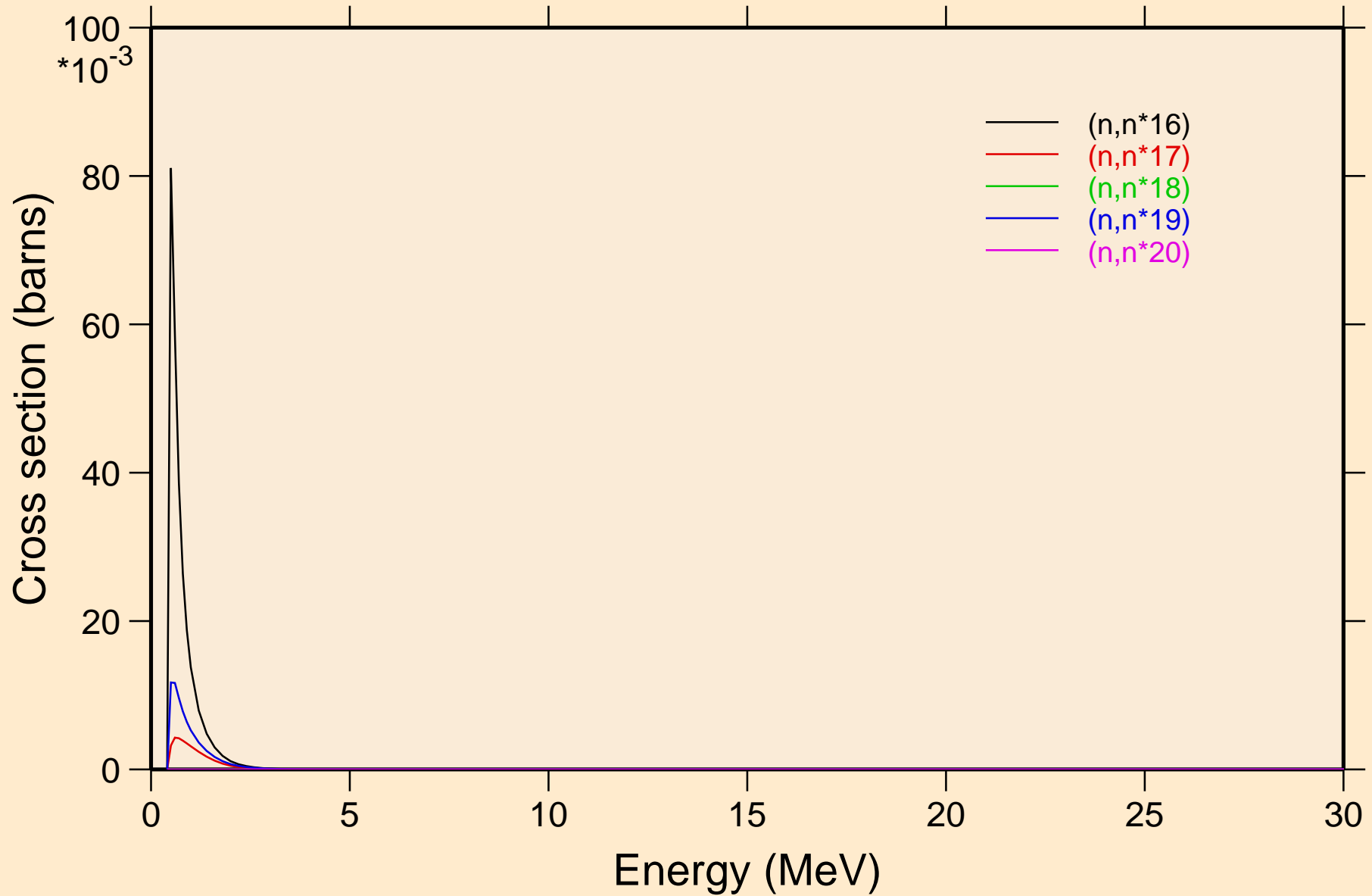
ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



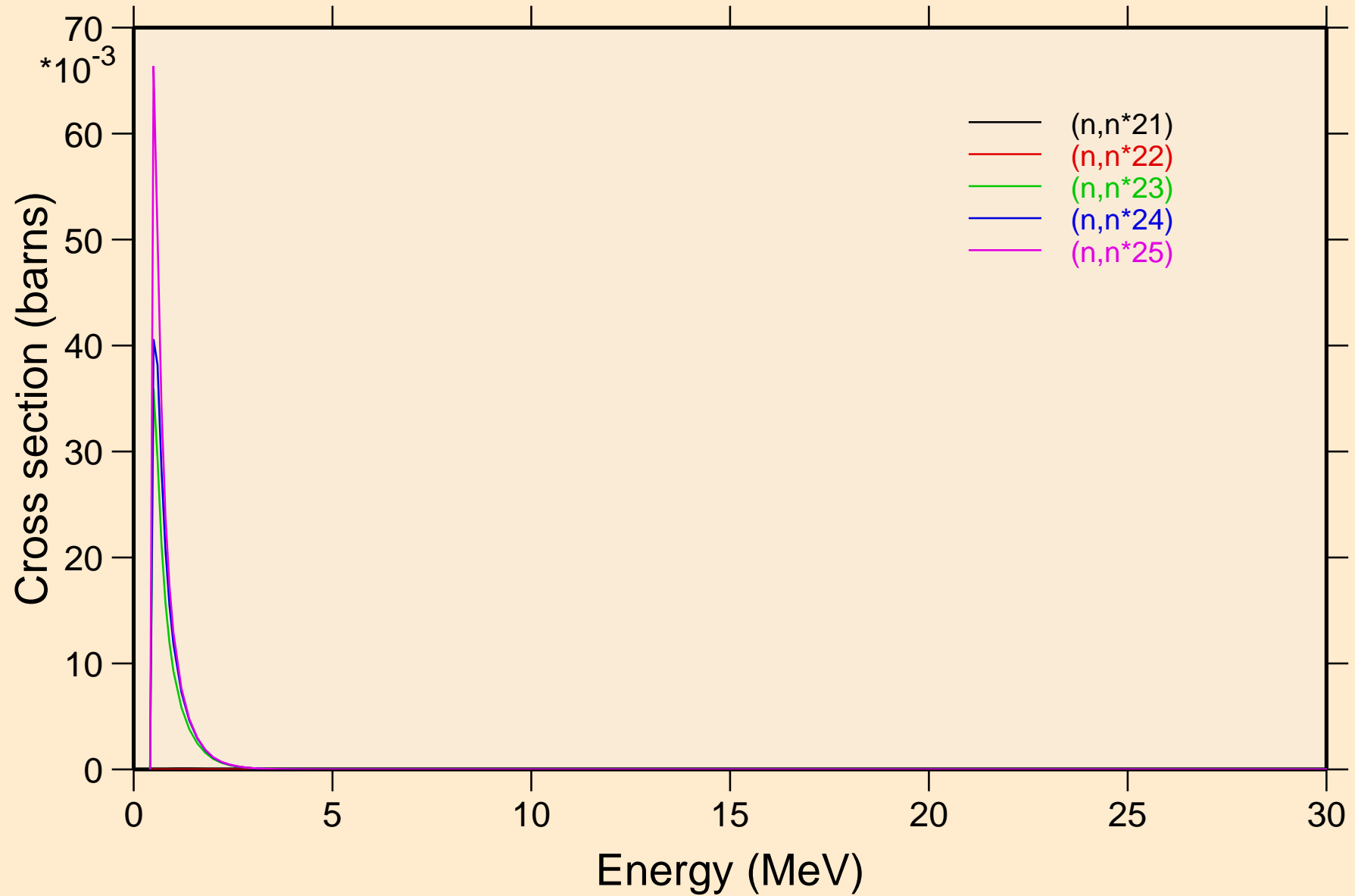
ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



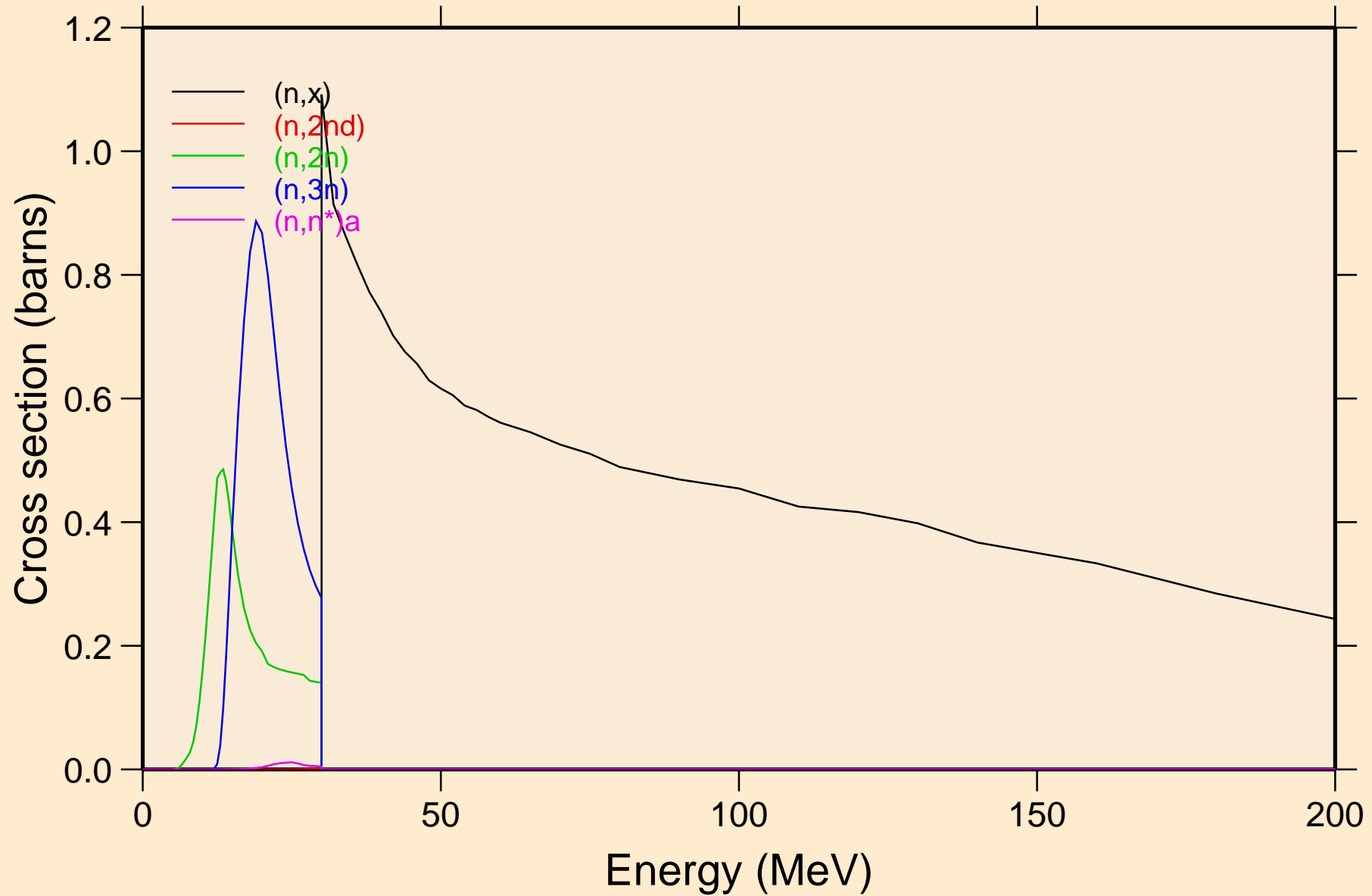
ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



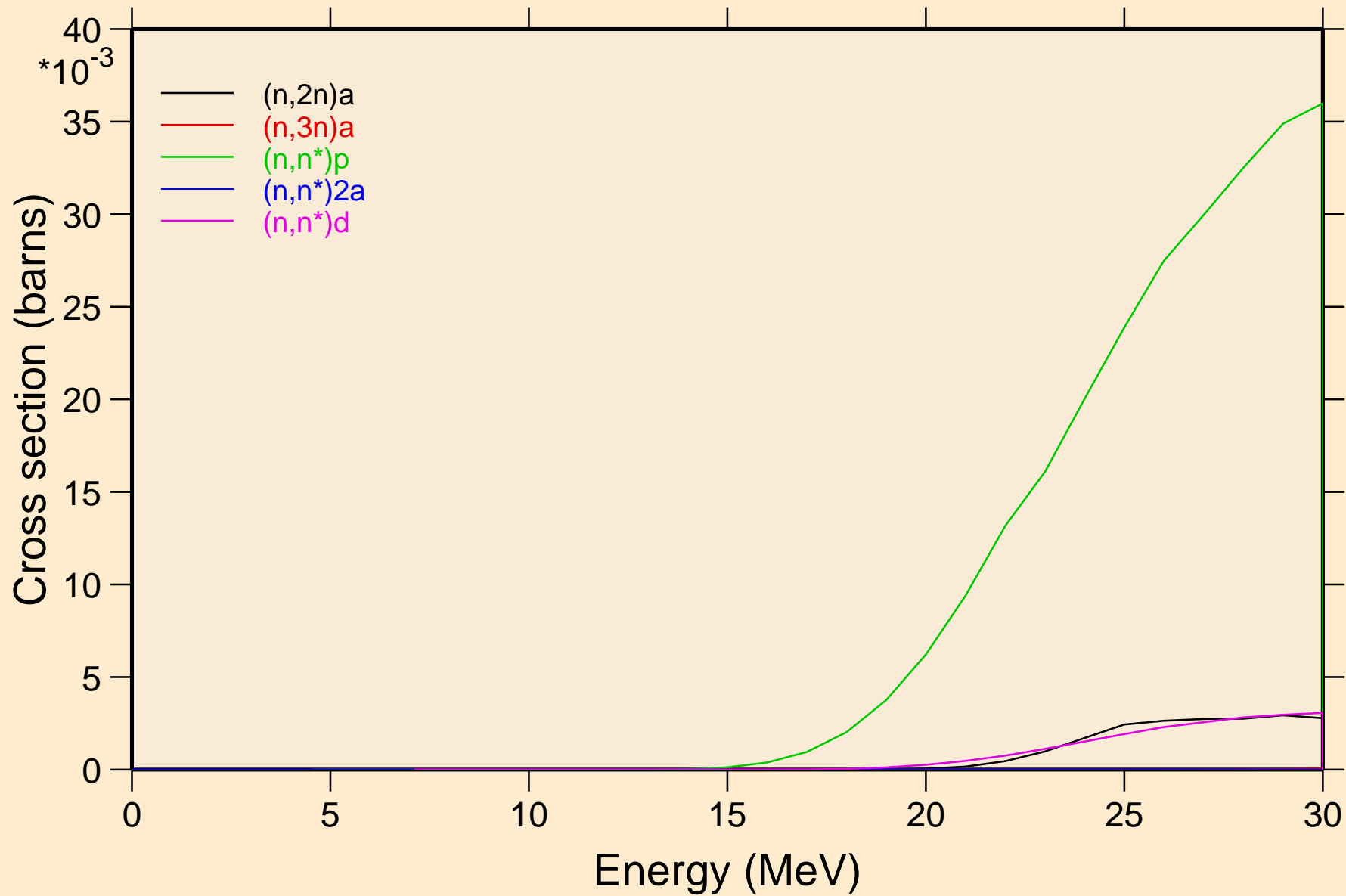
ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



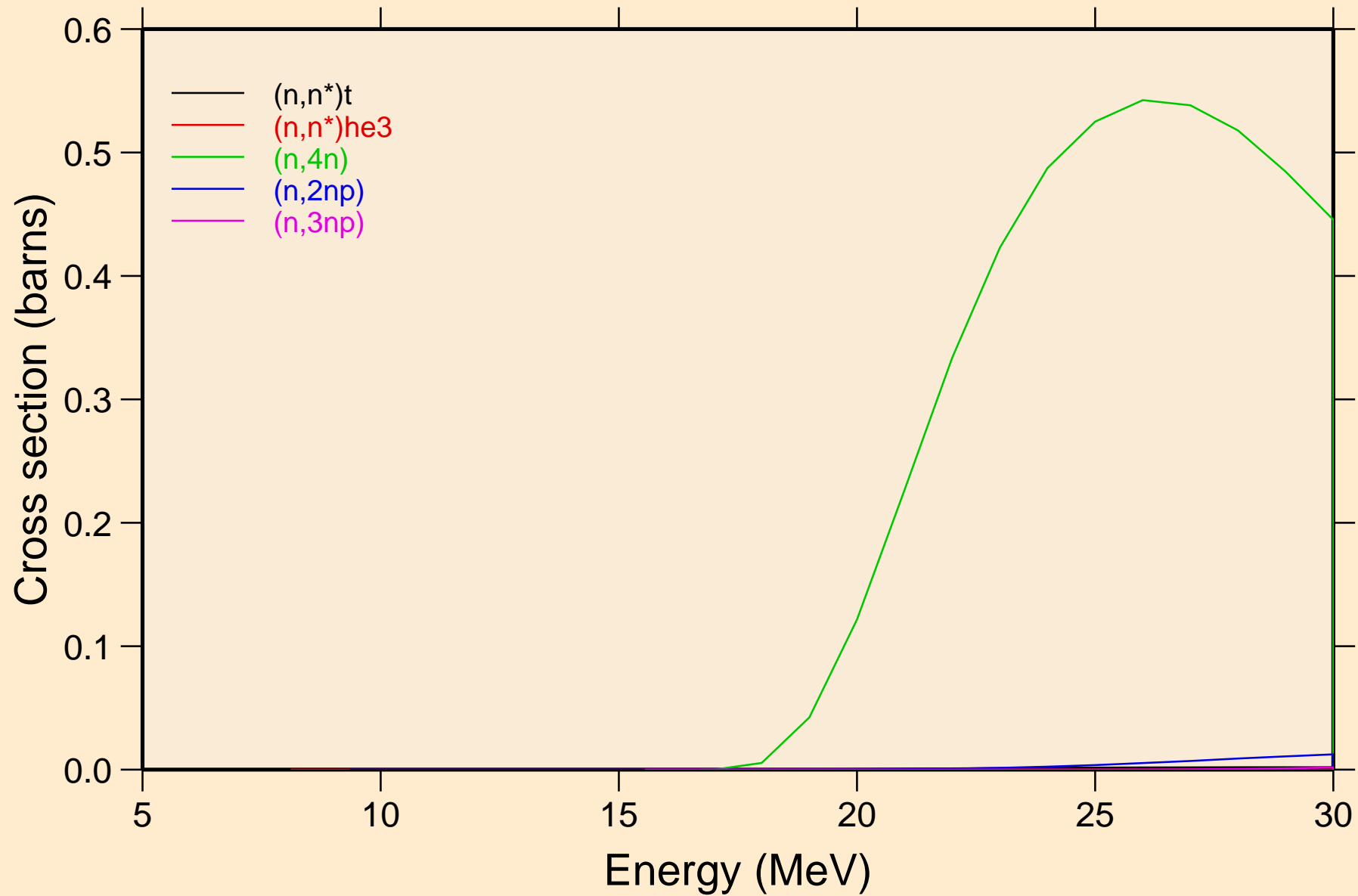
ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



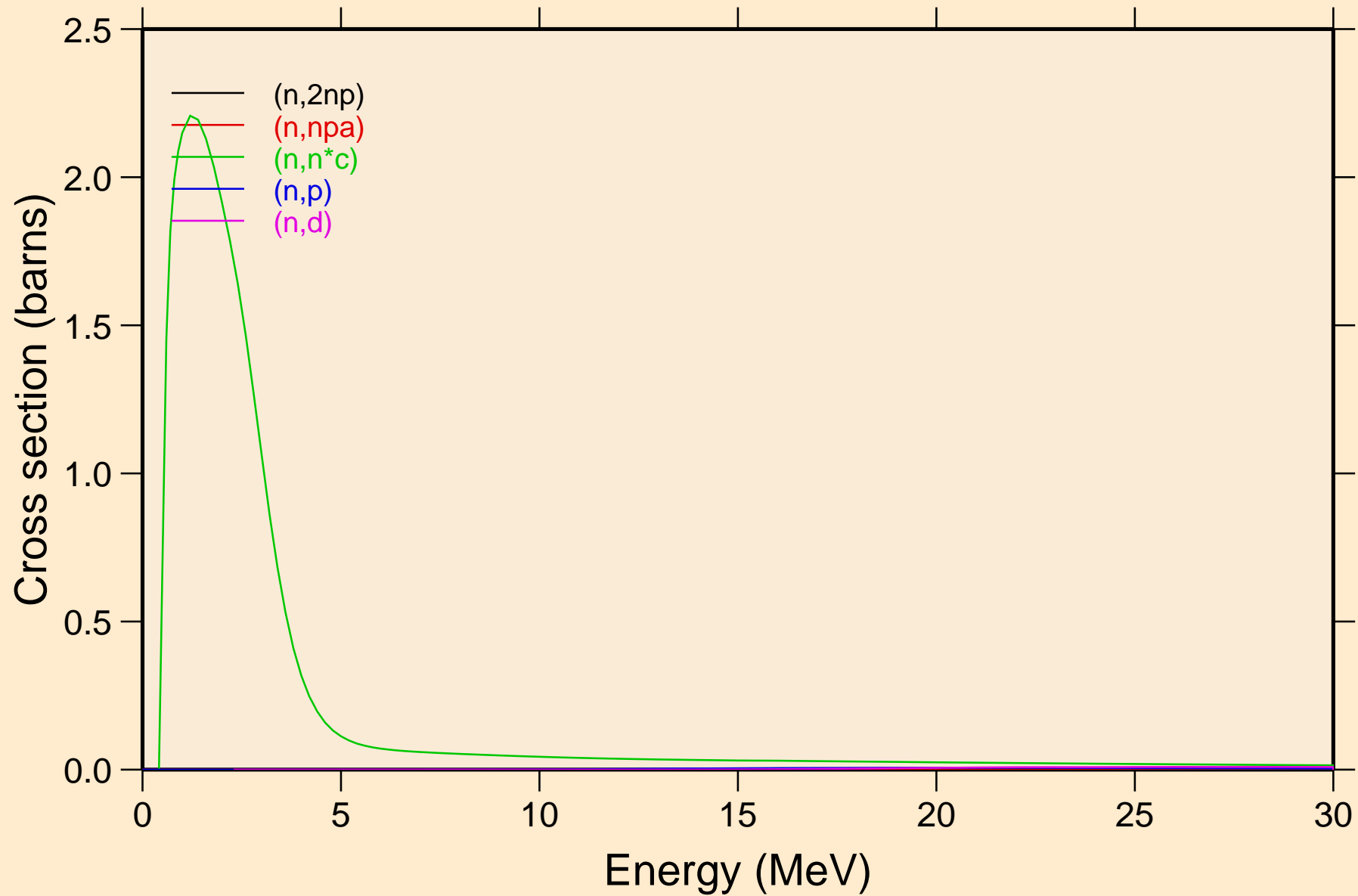


# ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Threshold reactions

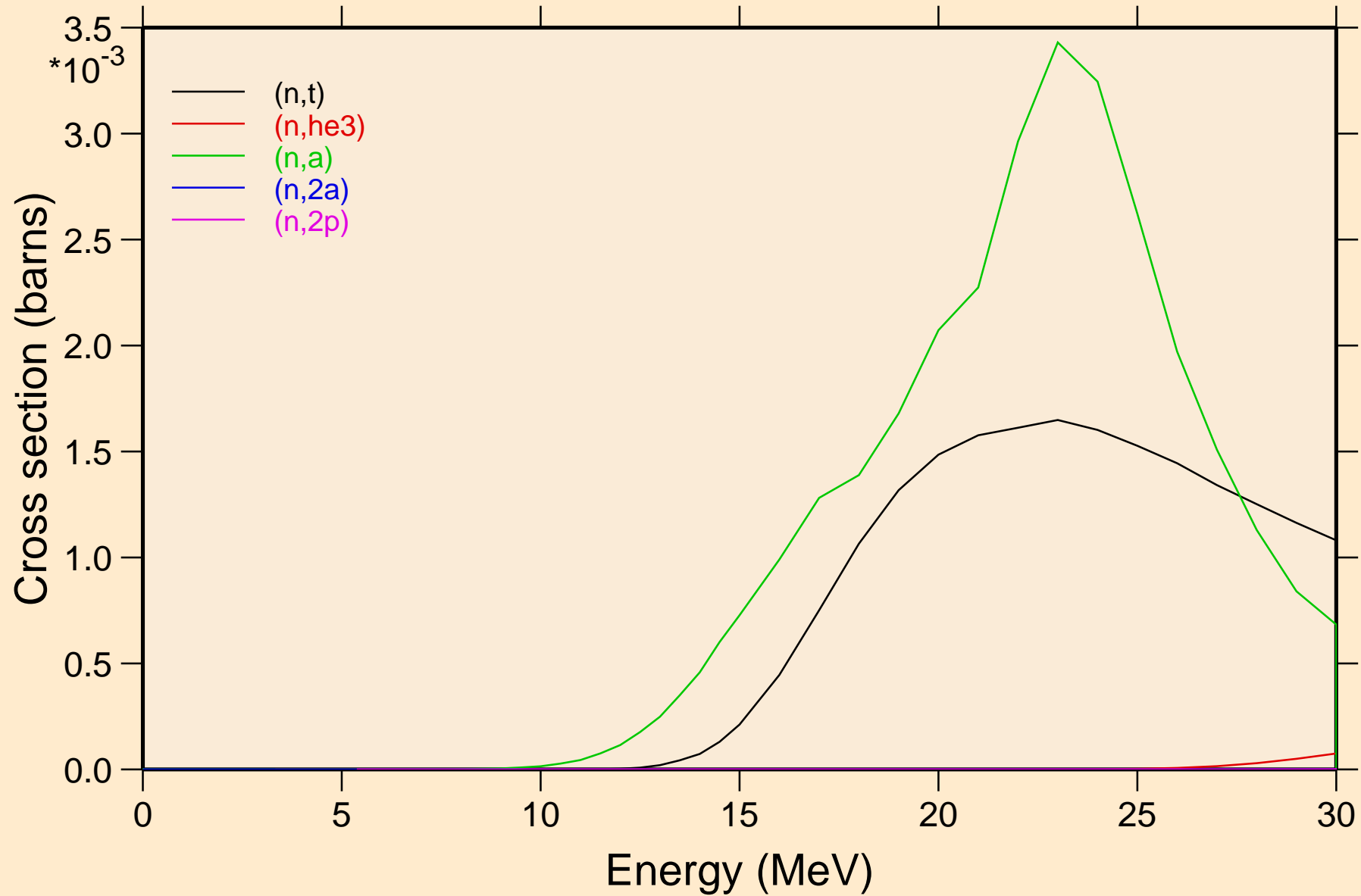


ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



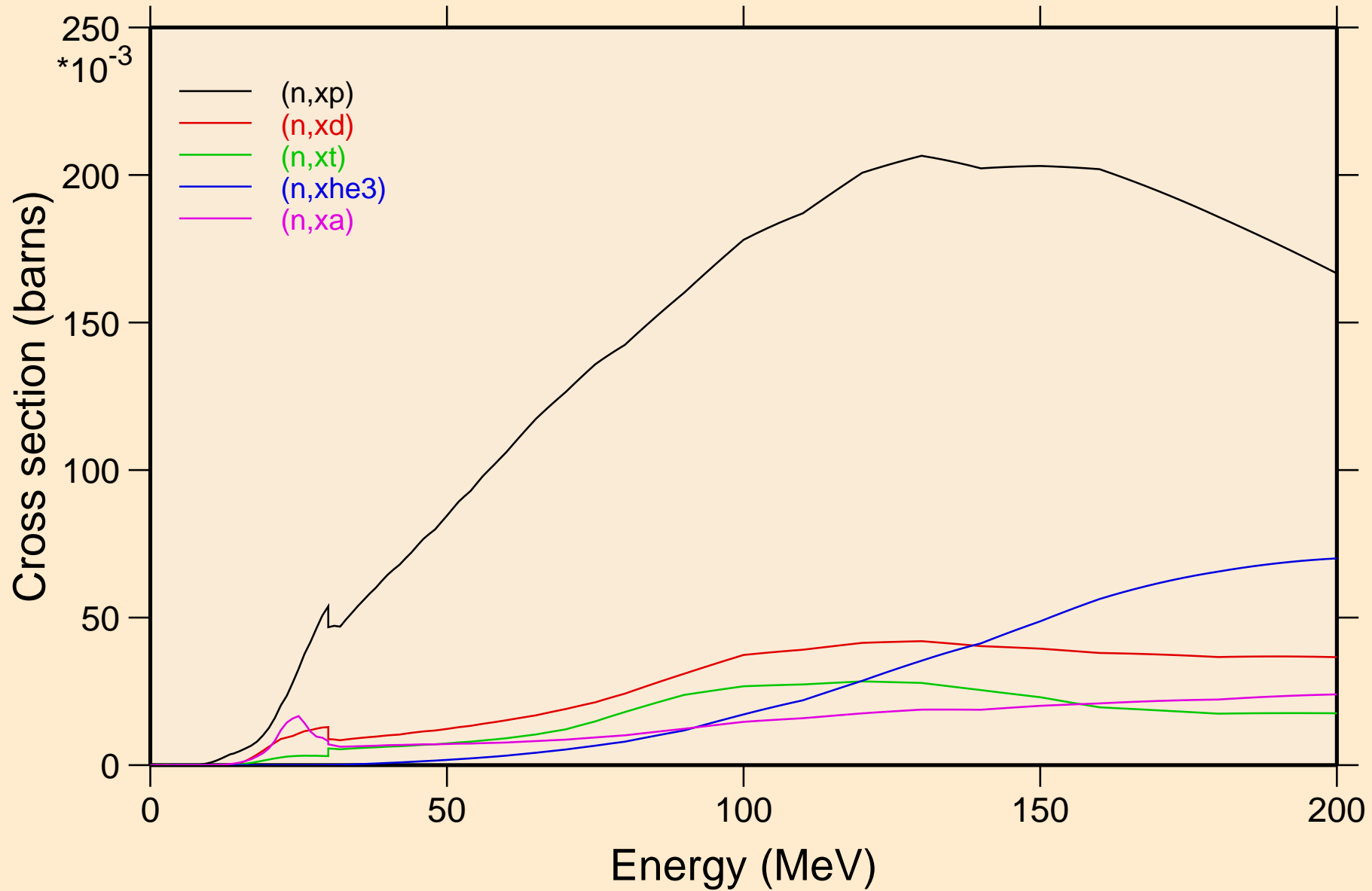
# ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Threshold reactions

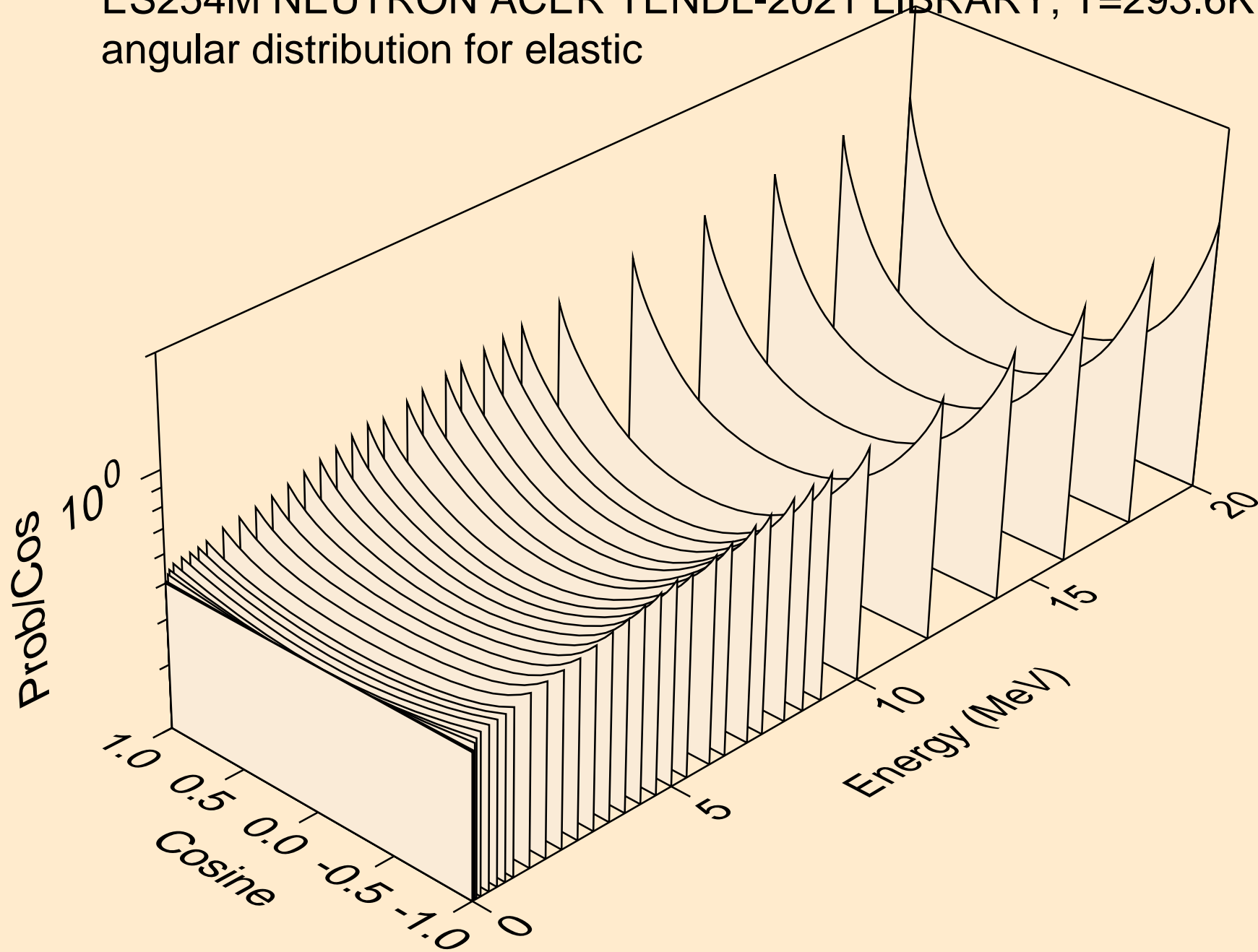


# ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

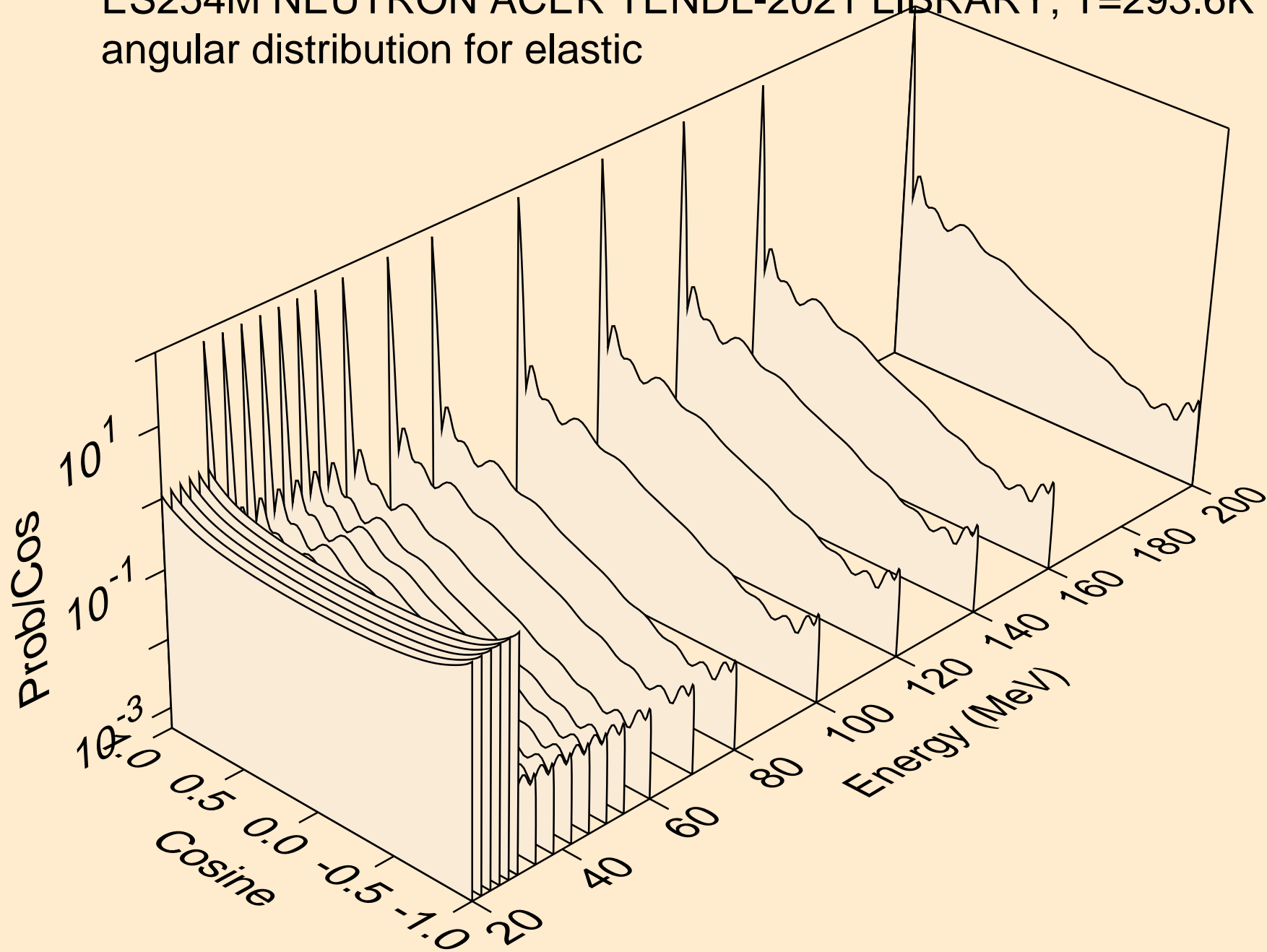
## Threshold reactions



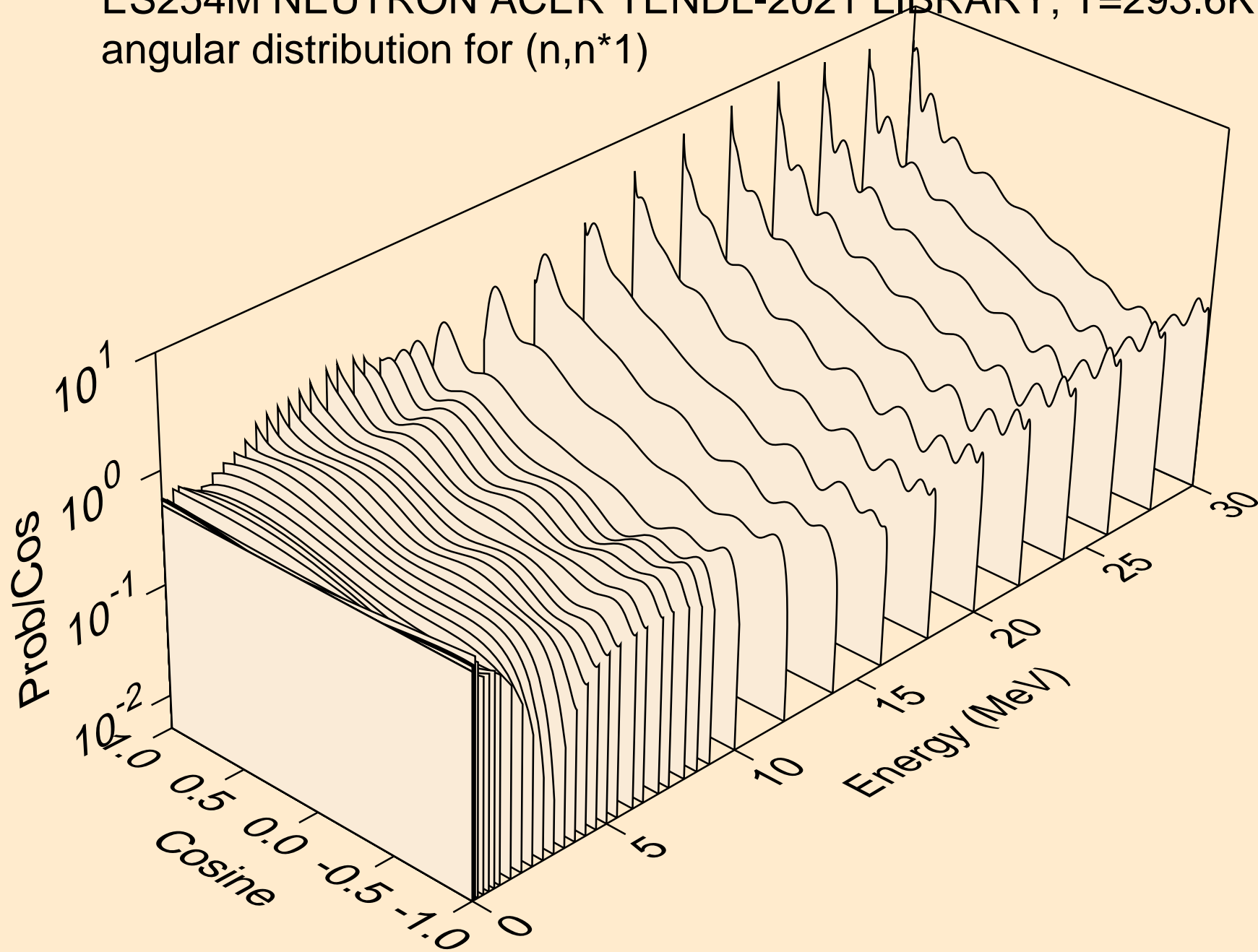
ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for elastic



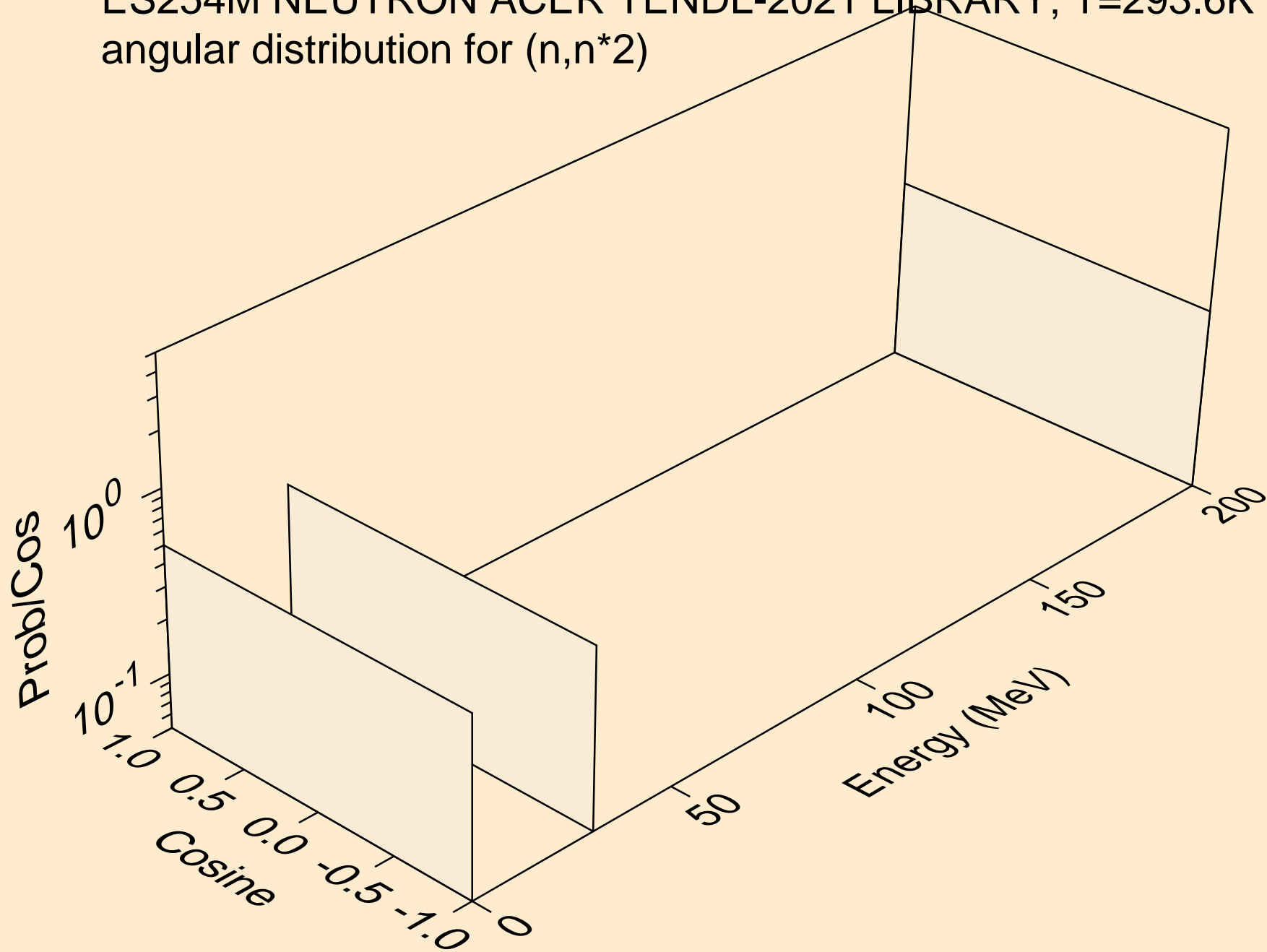
ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for elastic



ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*1)

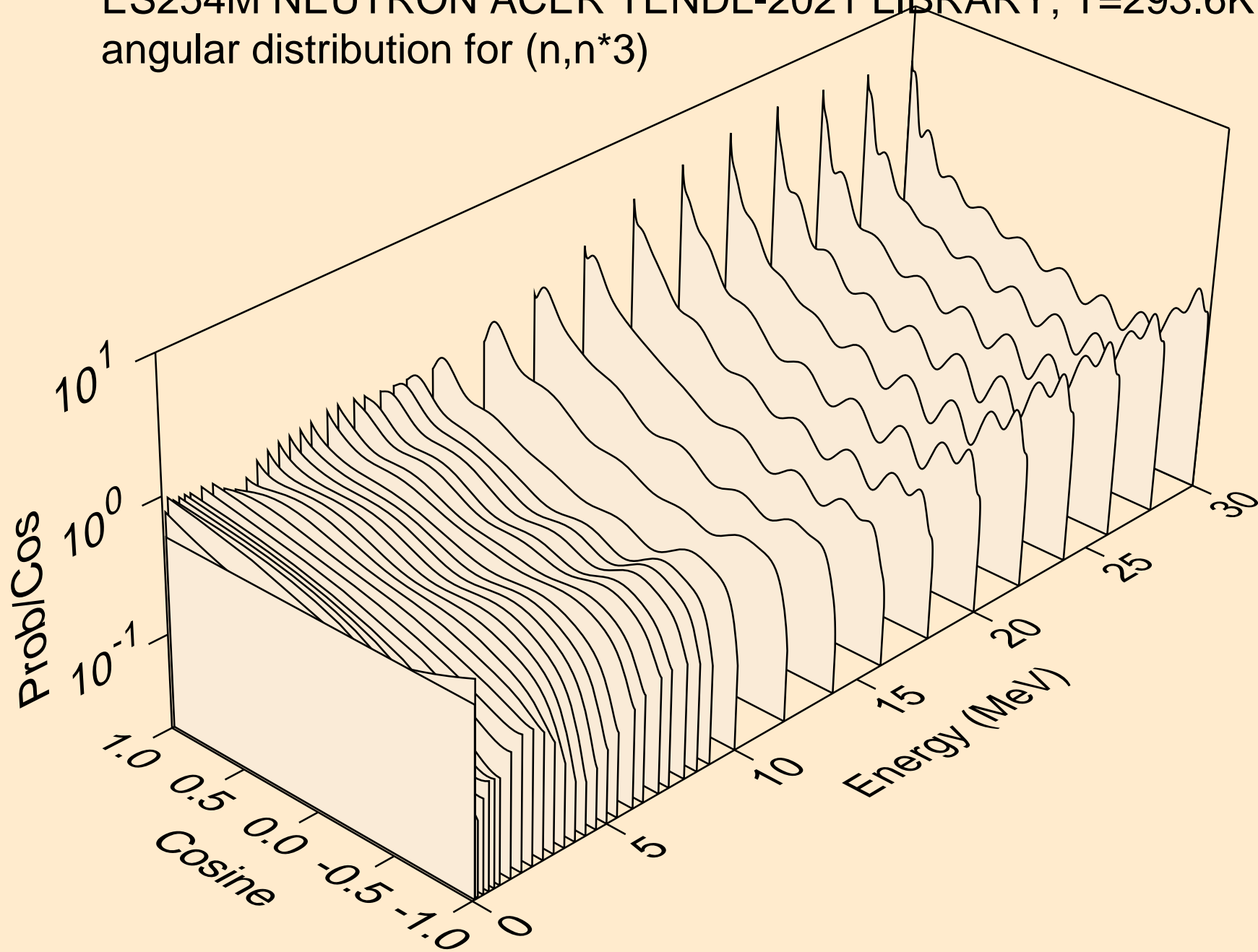


ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*2)

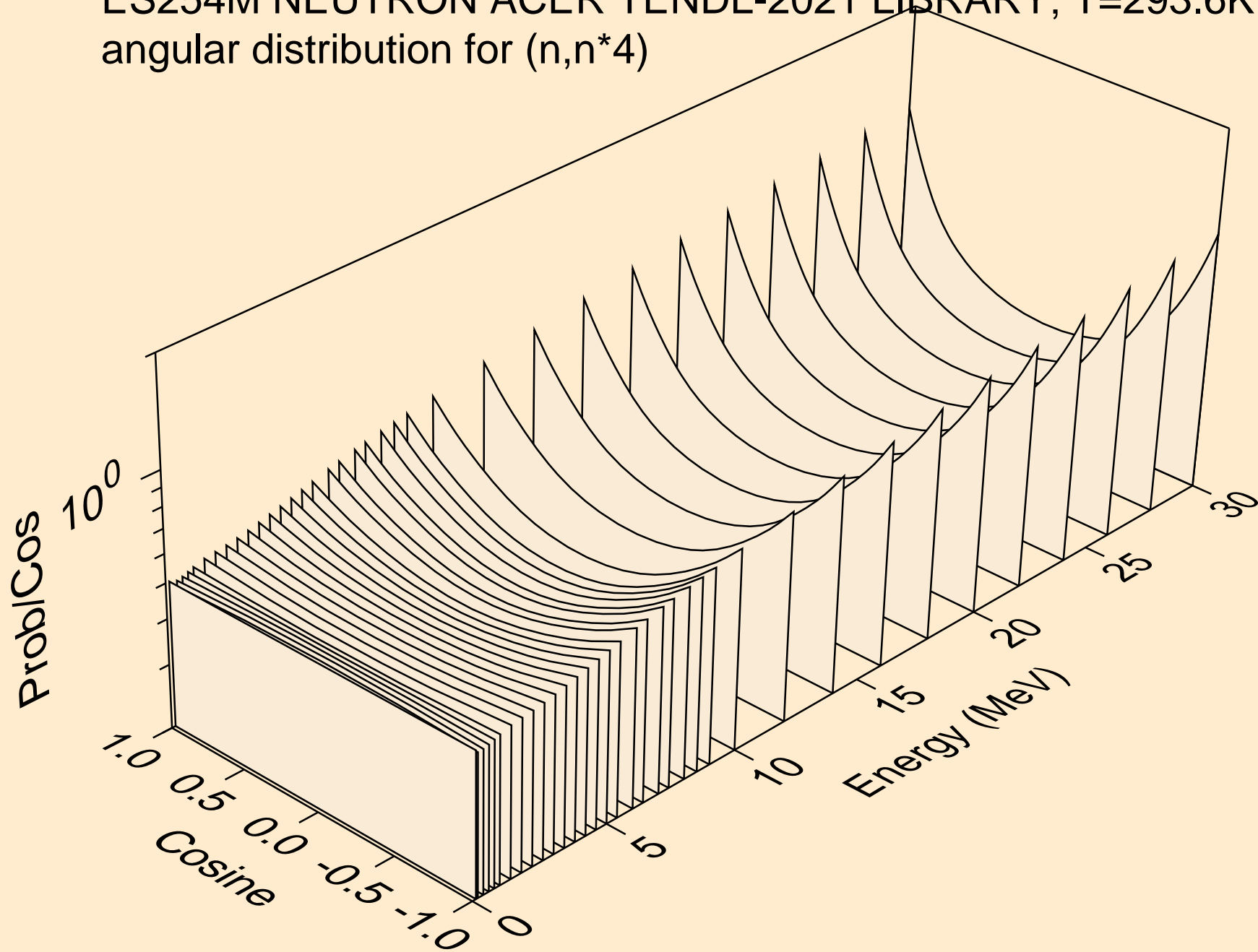




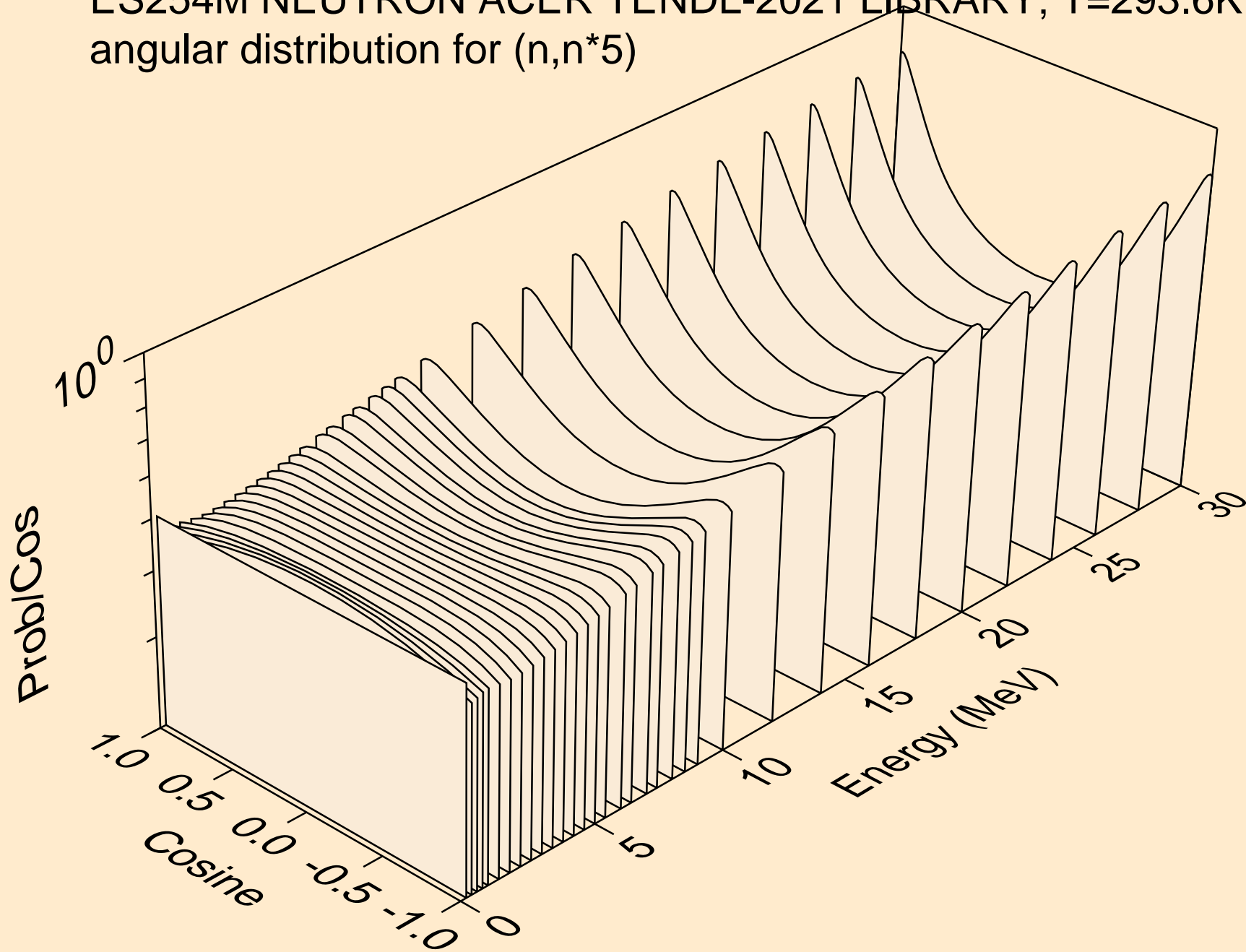
ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*3)



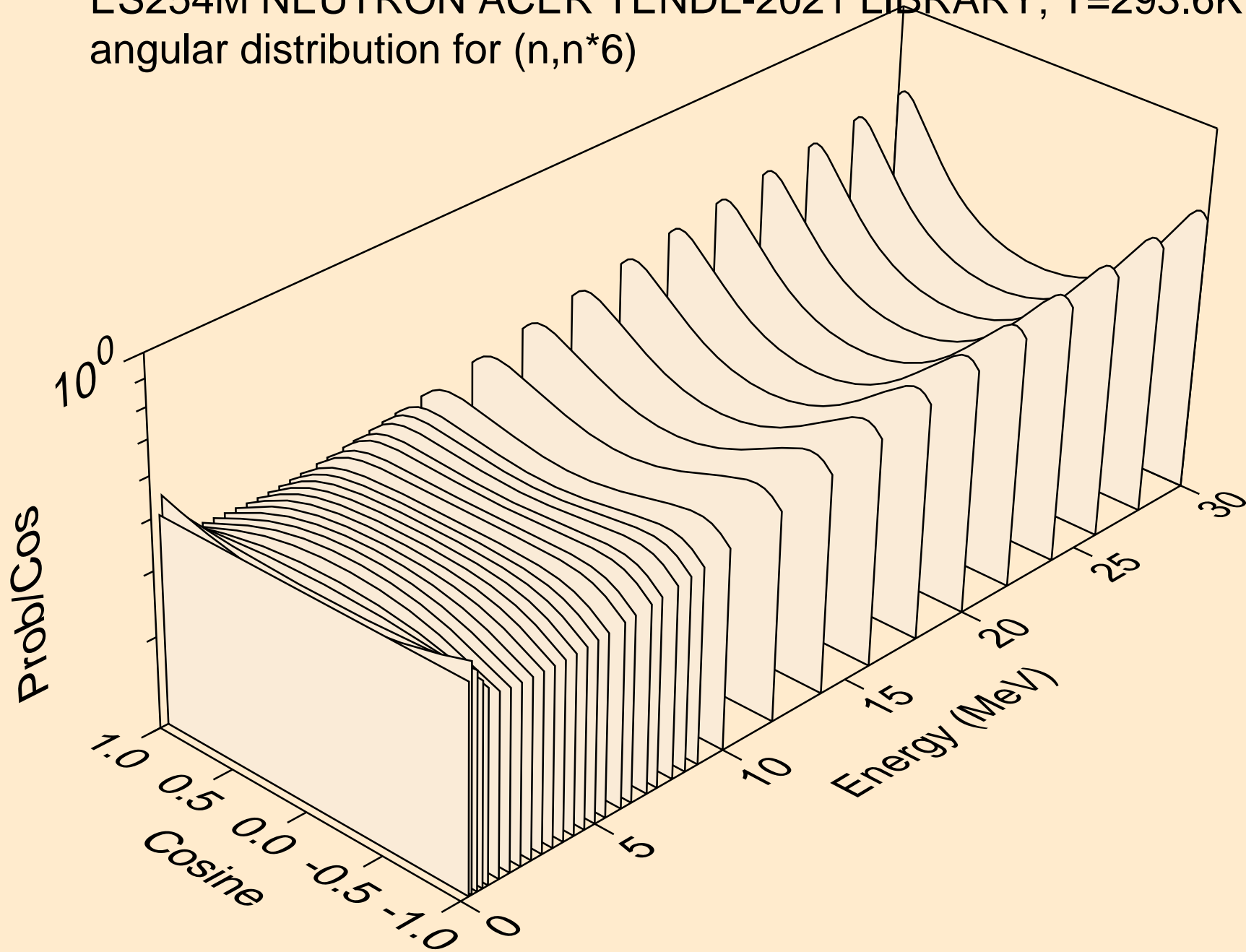
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angular distribution for (n,n\*4)



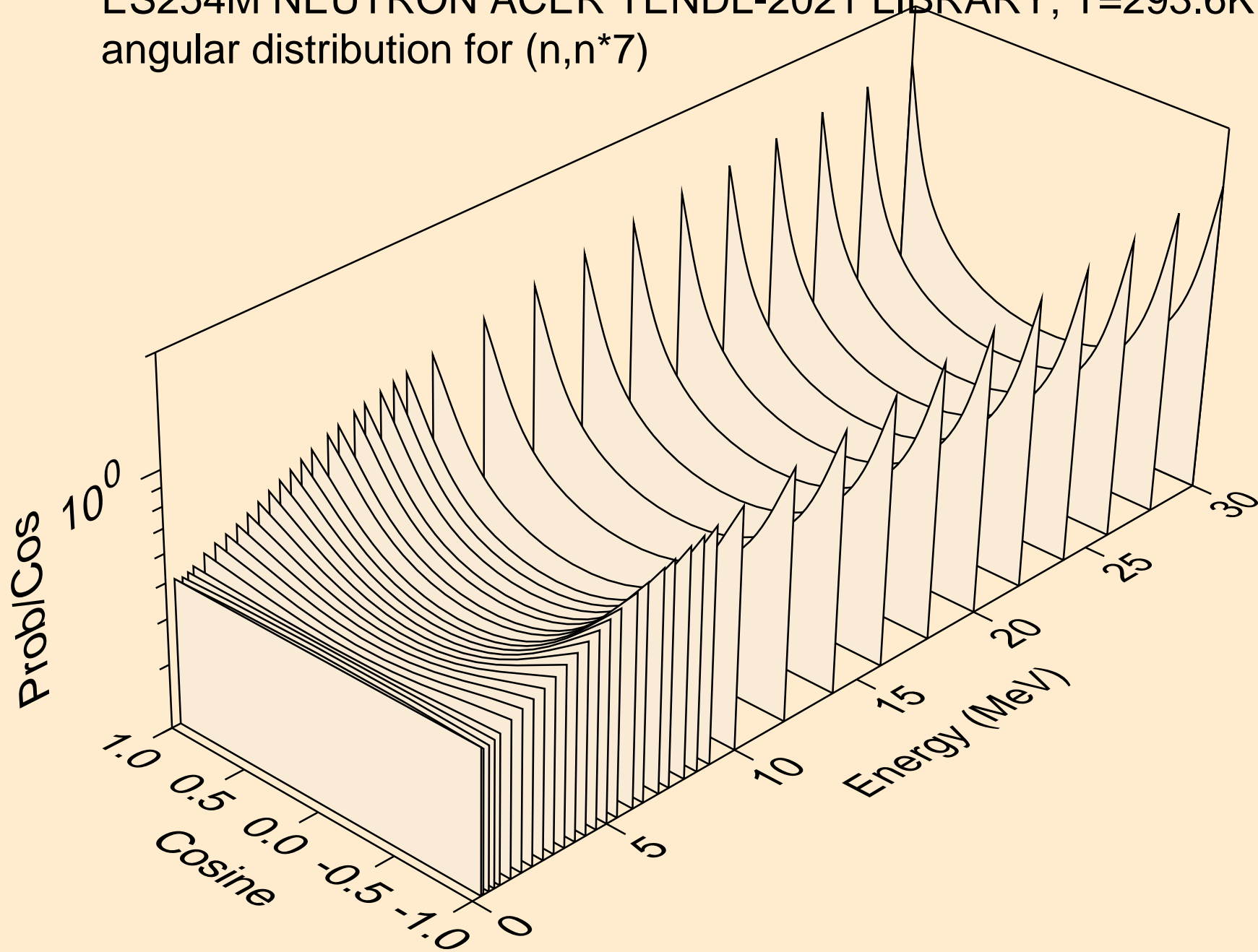
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angular distribution for (n,n\*5)



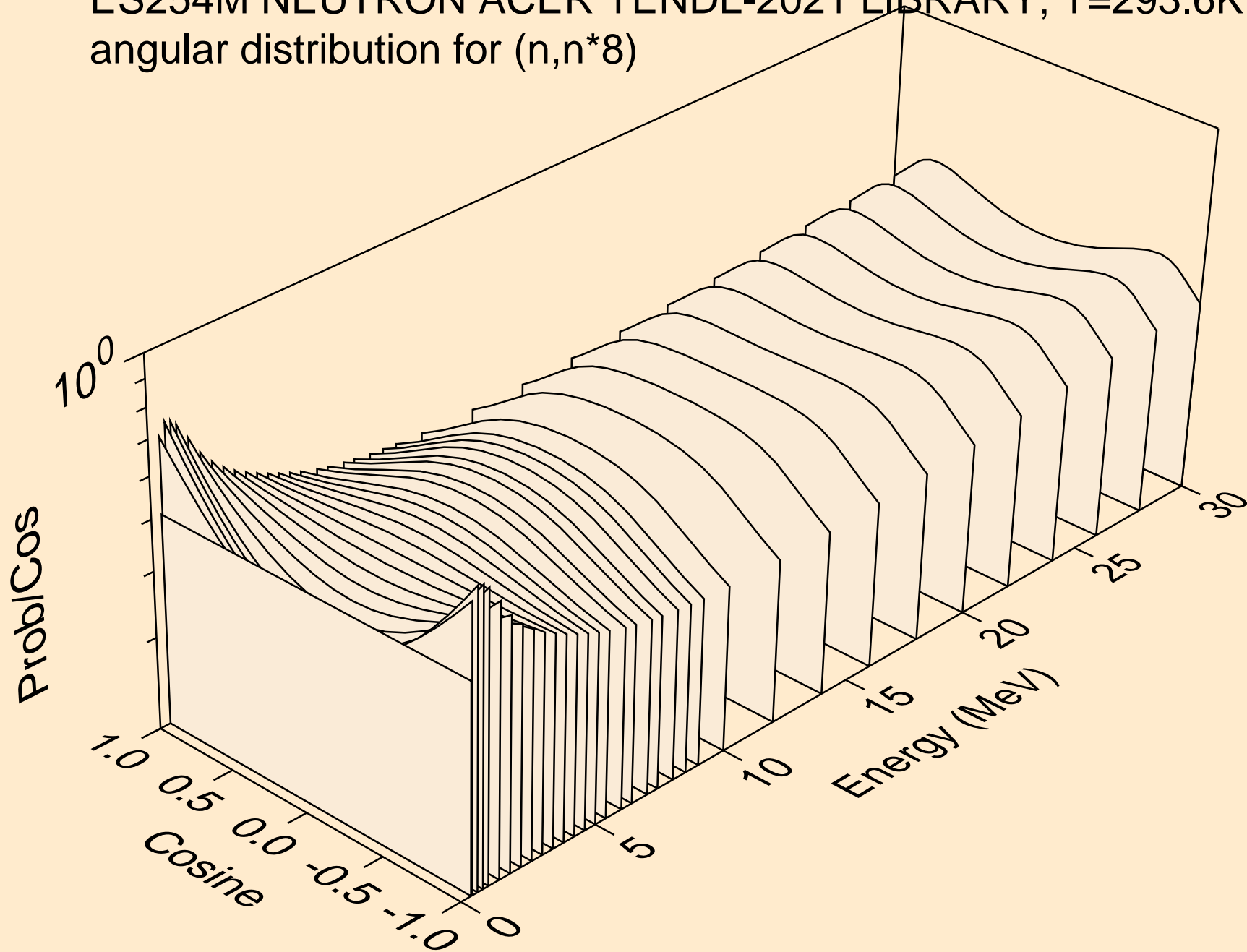
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angular distribution for (n,n\*6)



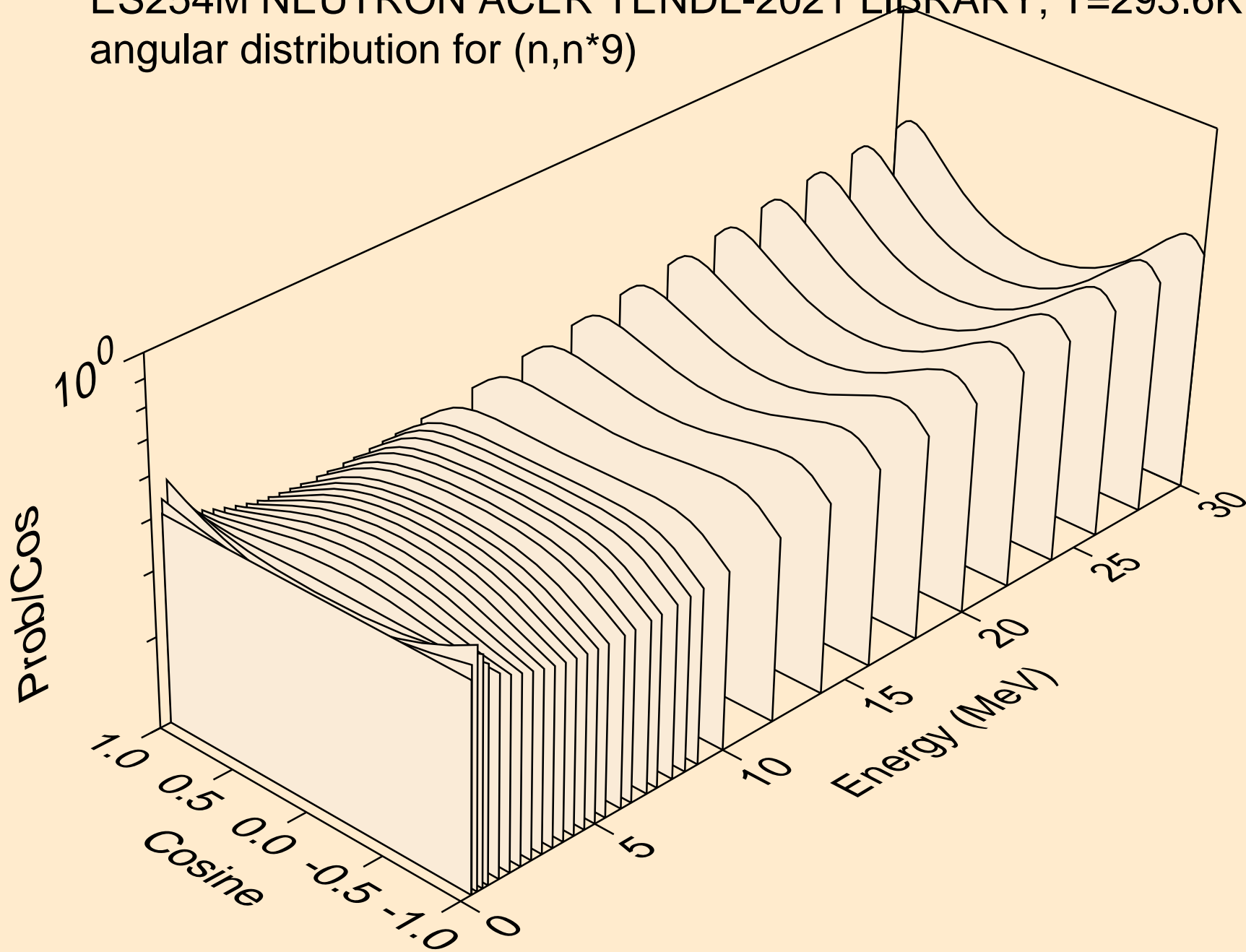
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angular distribution for (n,n\*7)



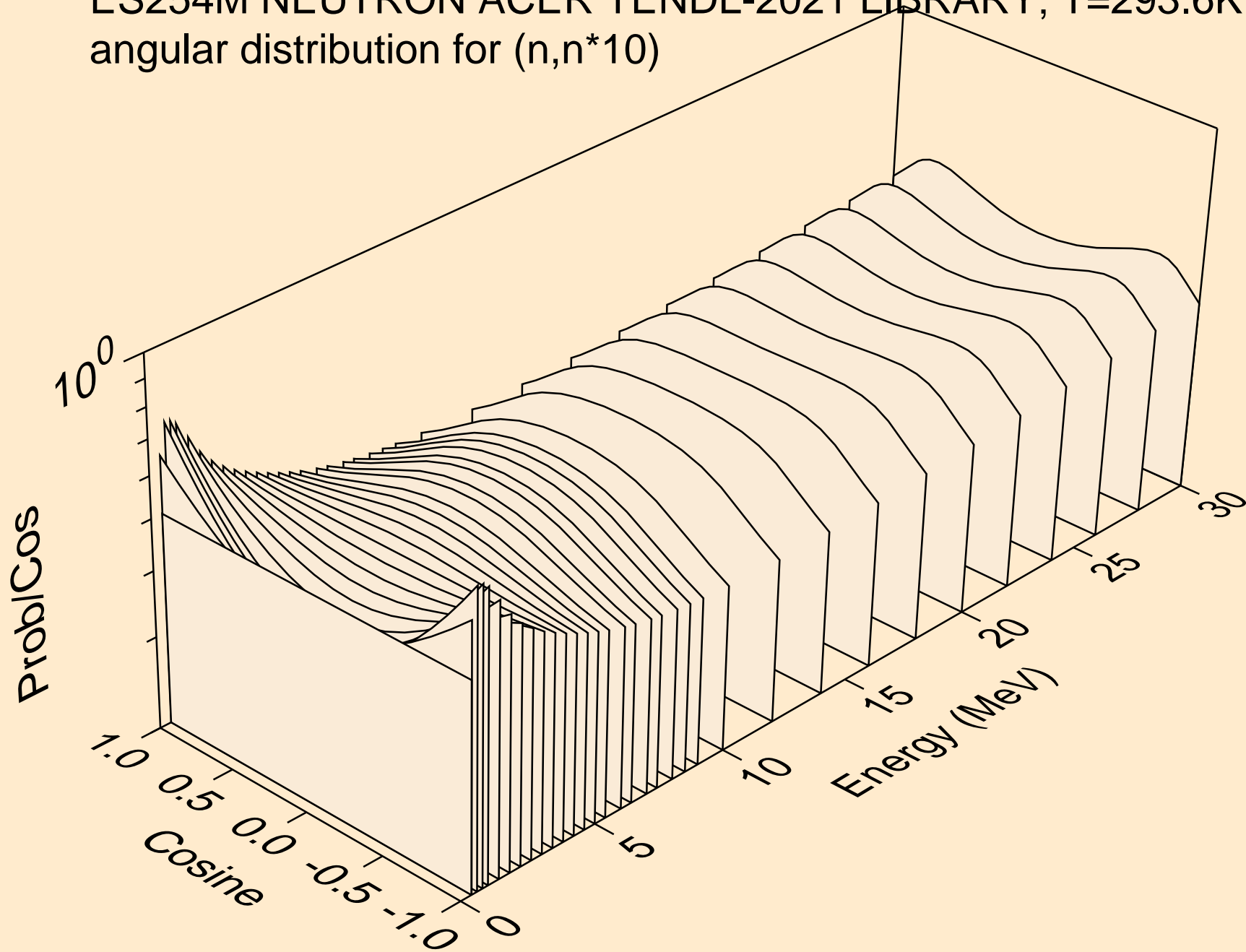
ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*8)



ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*9)

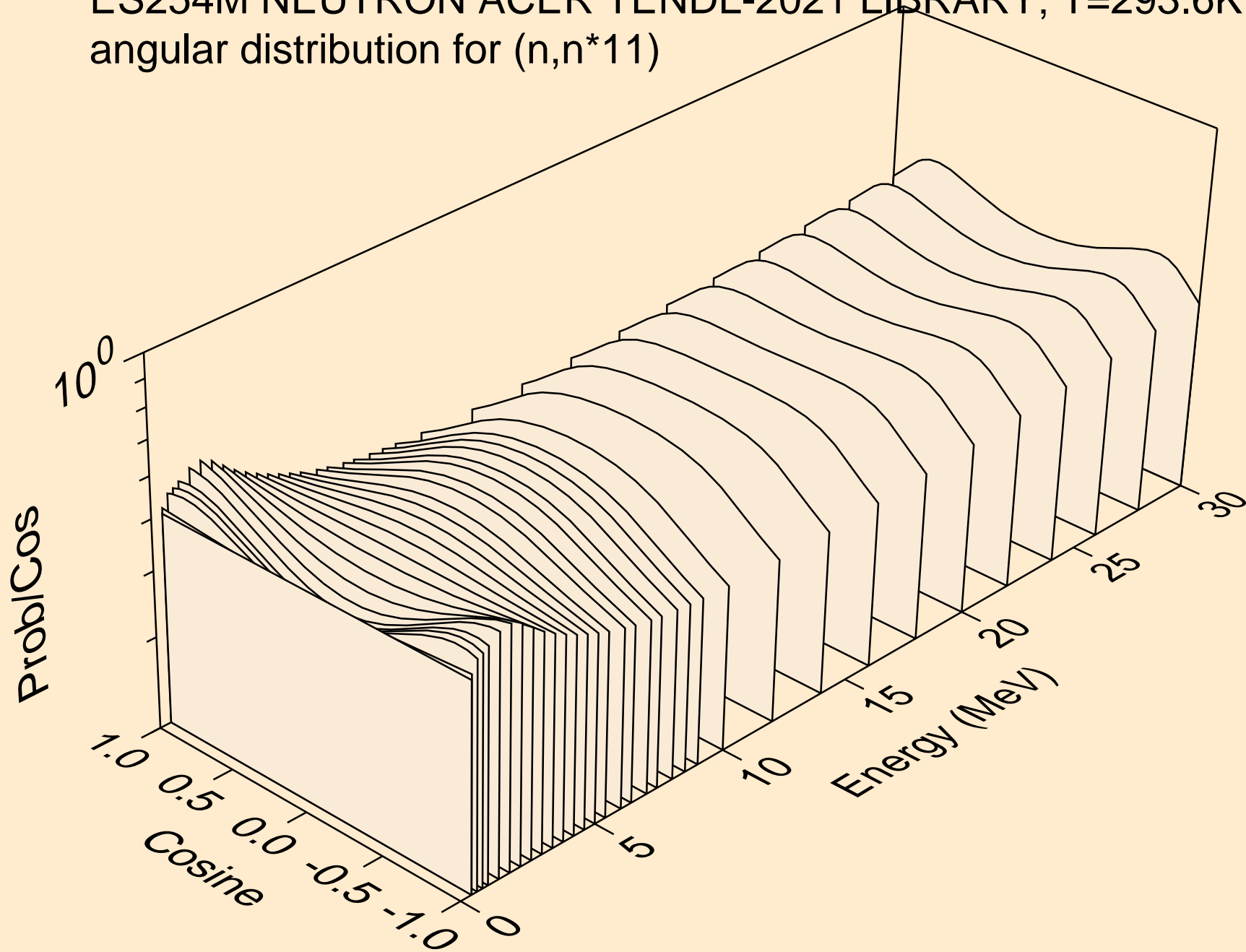


ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*10)

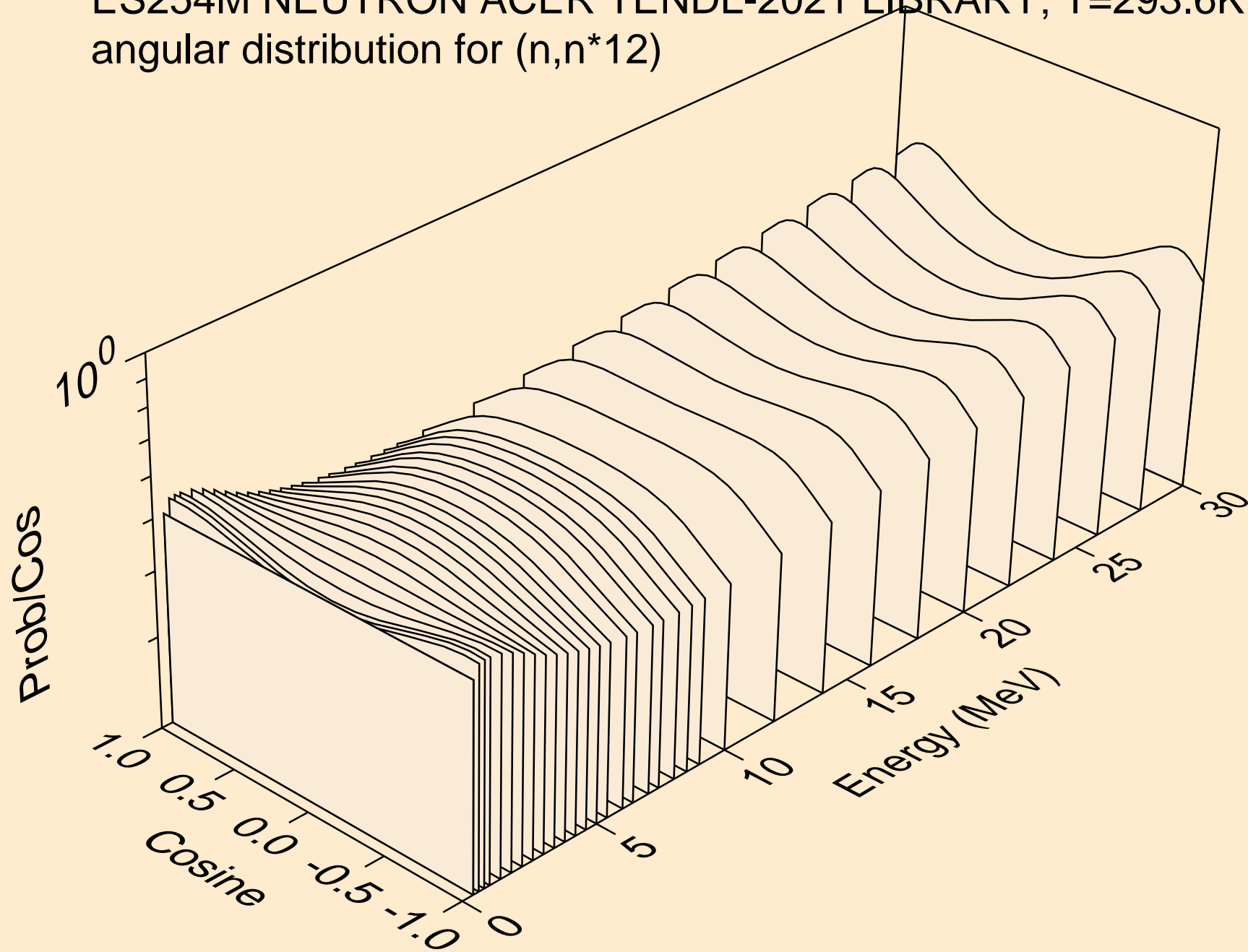




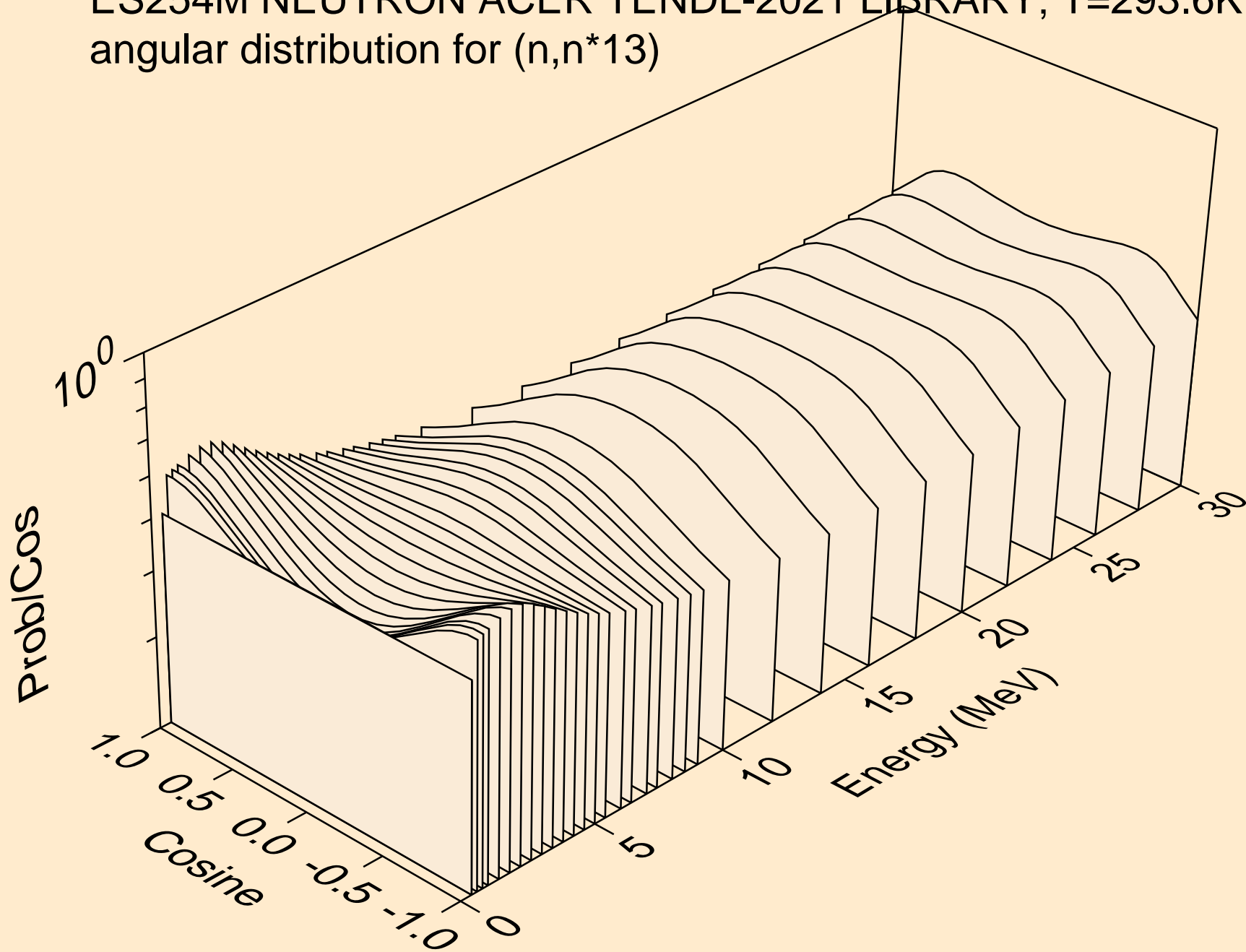
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angular distribution for (n,n\*11)



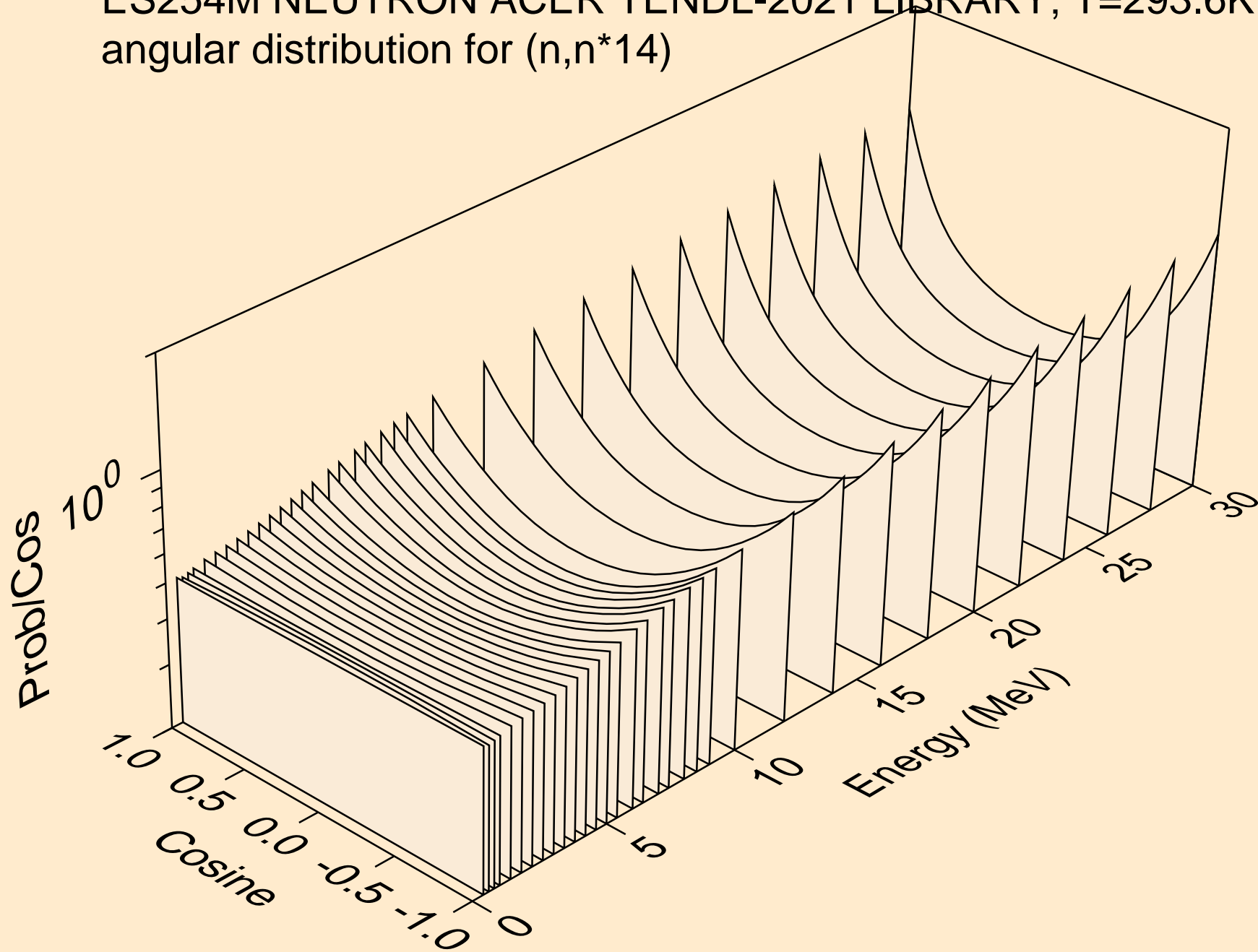
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angular distribution for (n,n\*12)



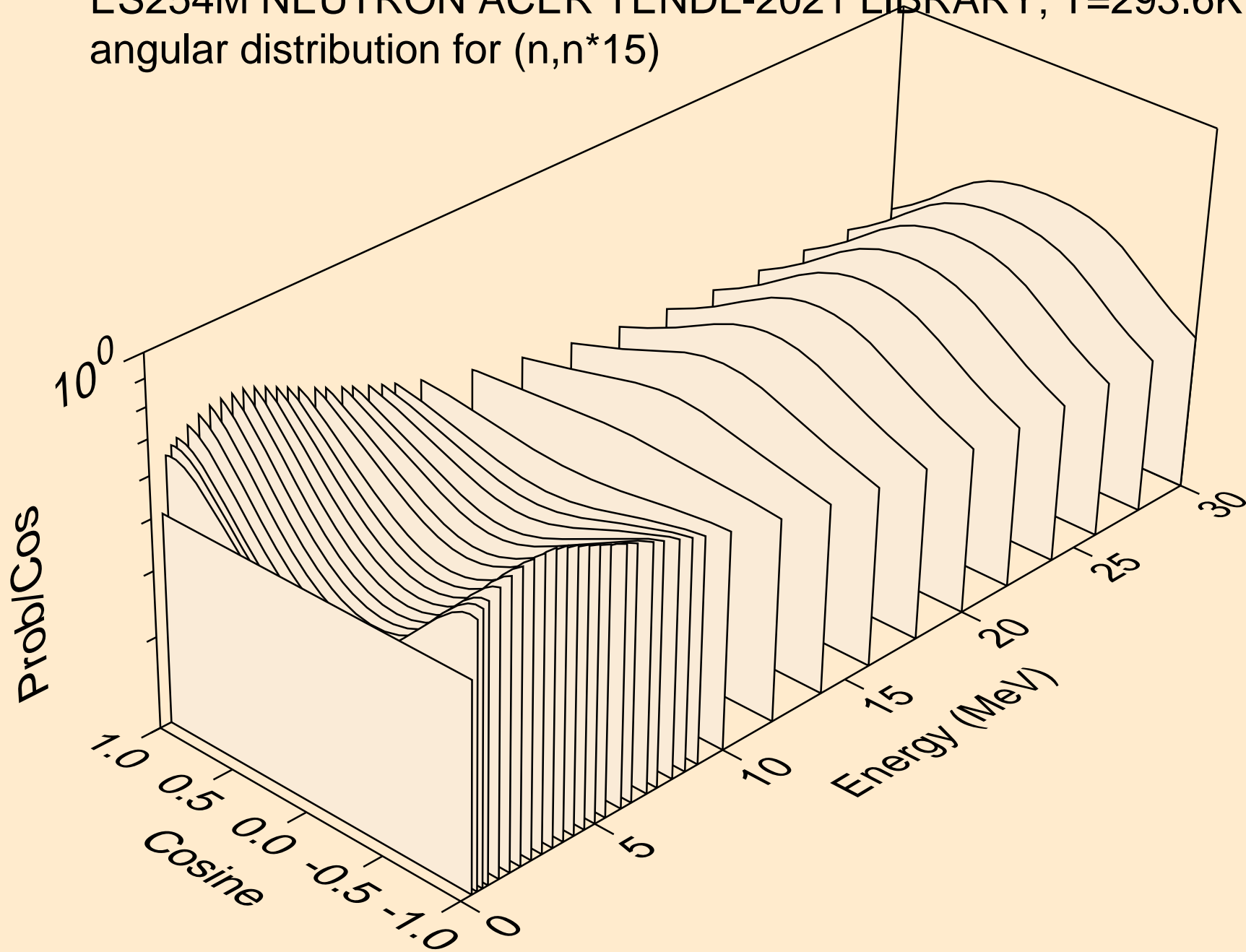
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angular distribution for (n,n\*13)



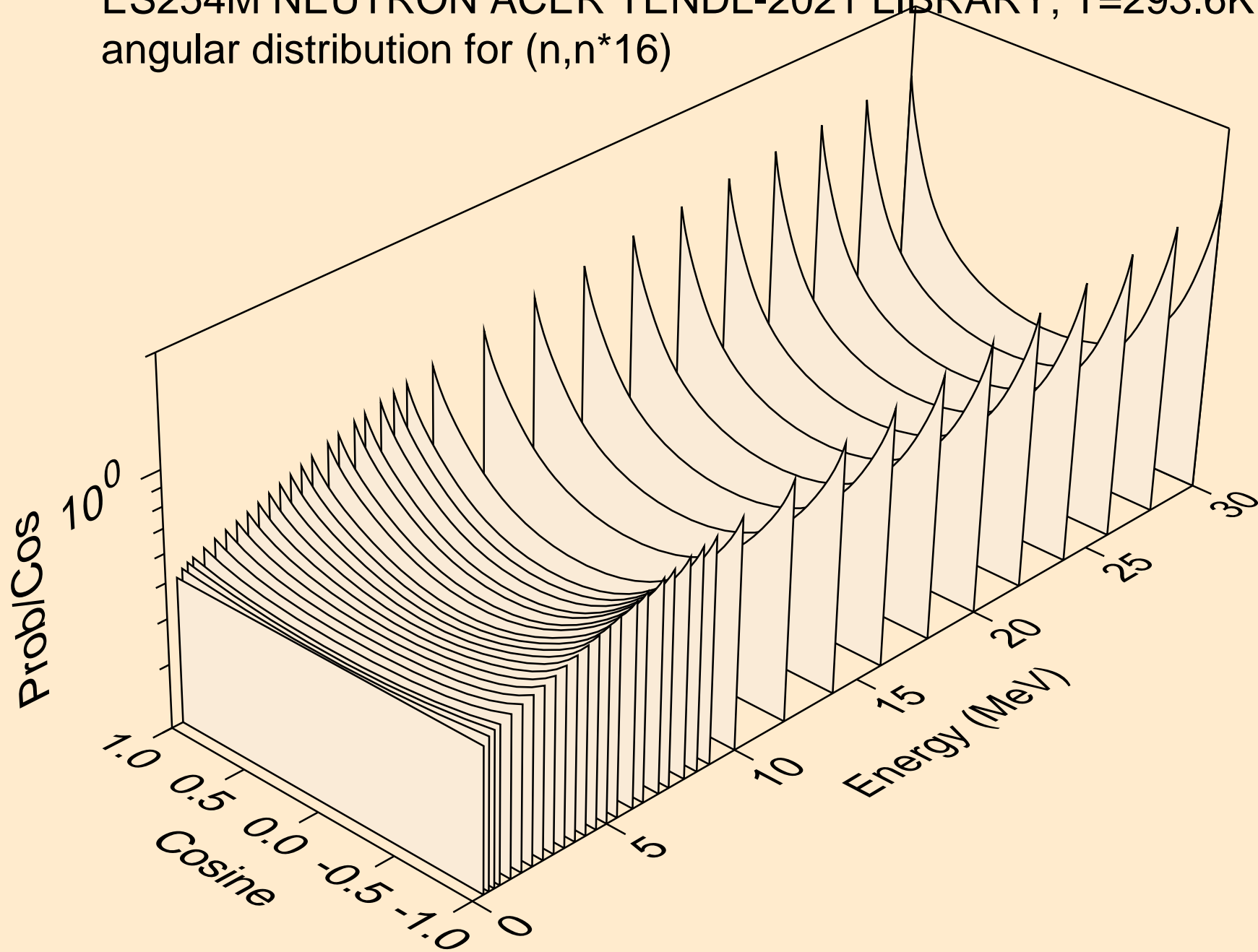
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angular distribution for (n,n\*14)



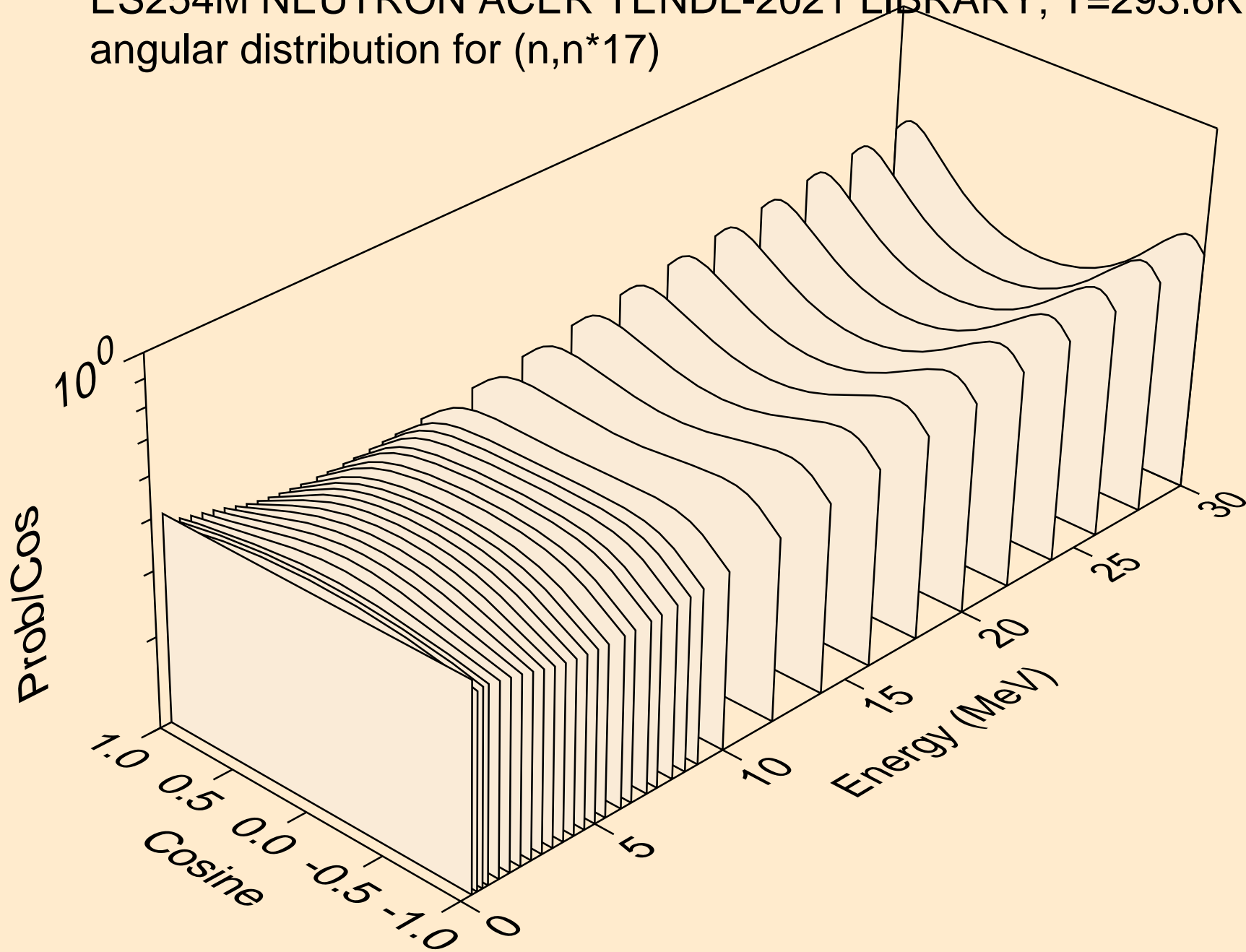
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angular distribution for (n,n\*15)



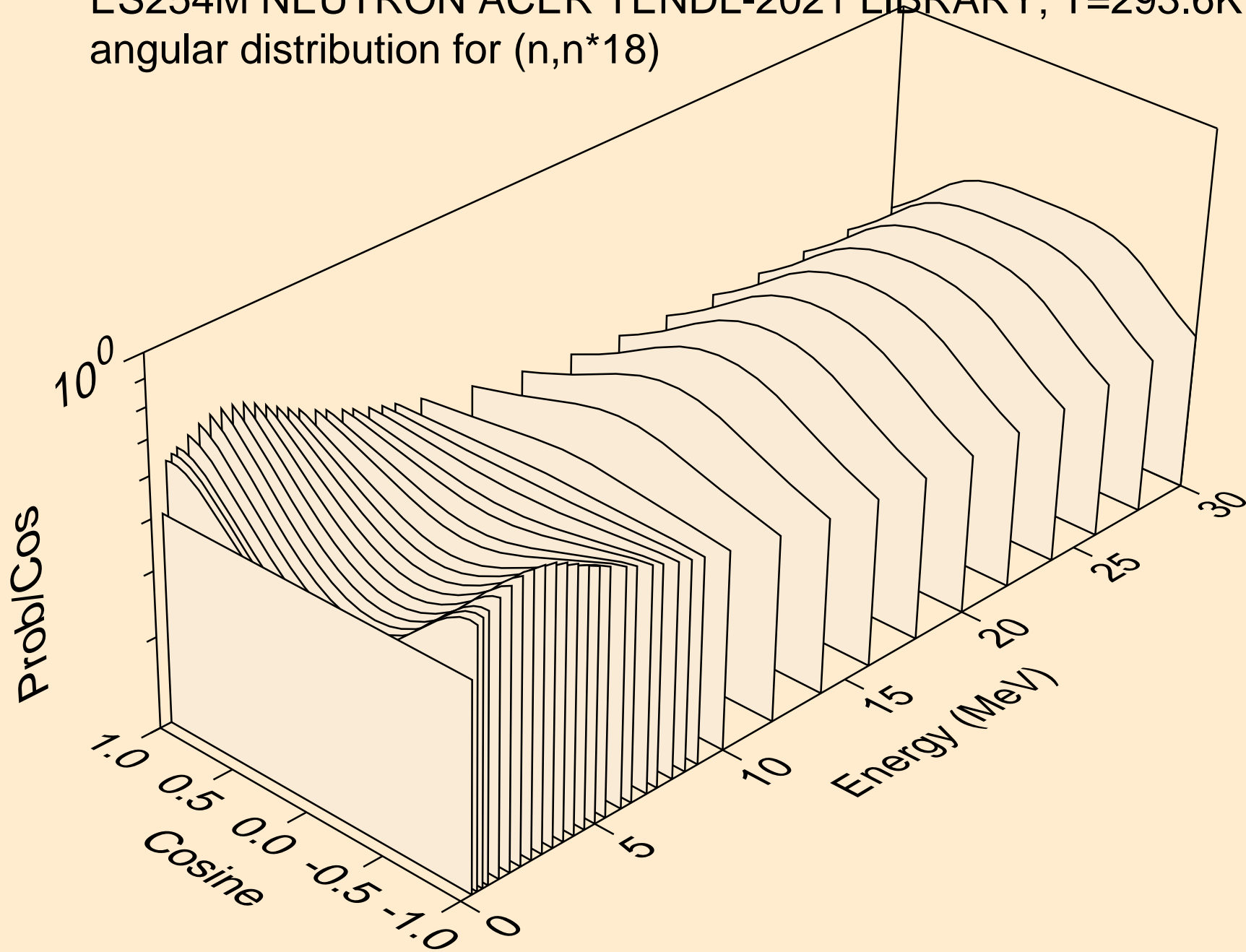
ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*16)



ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*17)

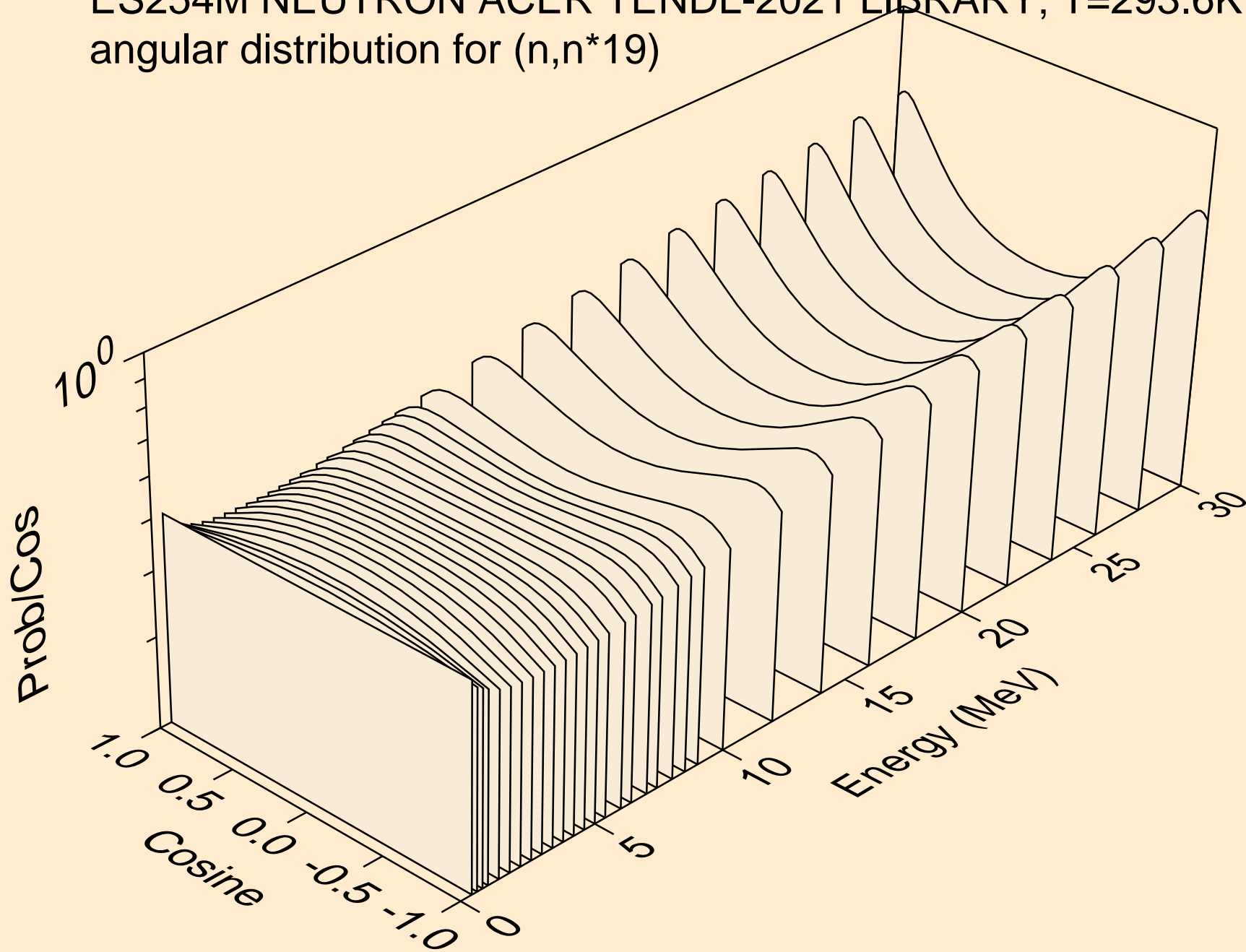


ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*18)

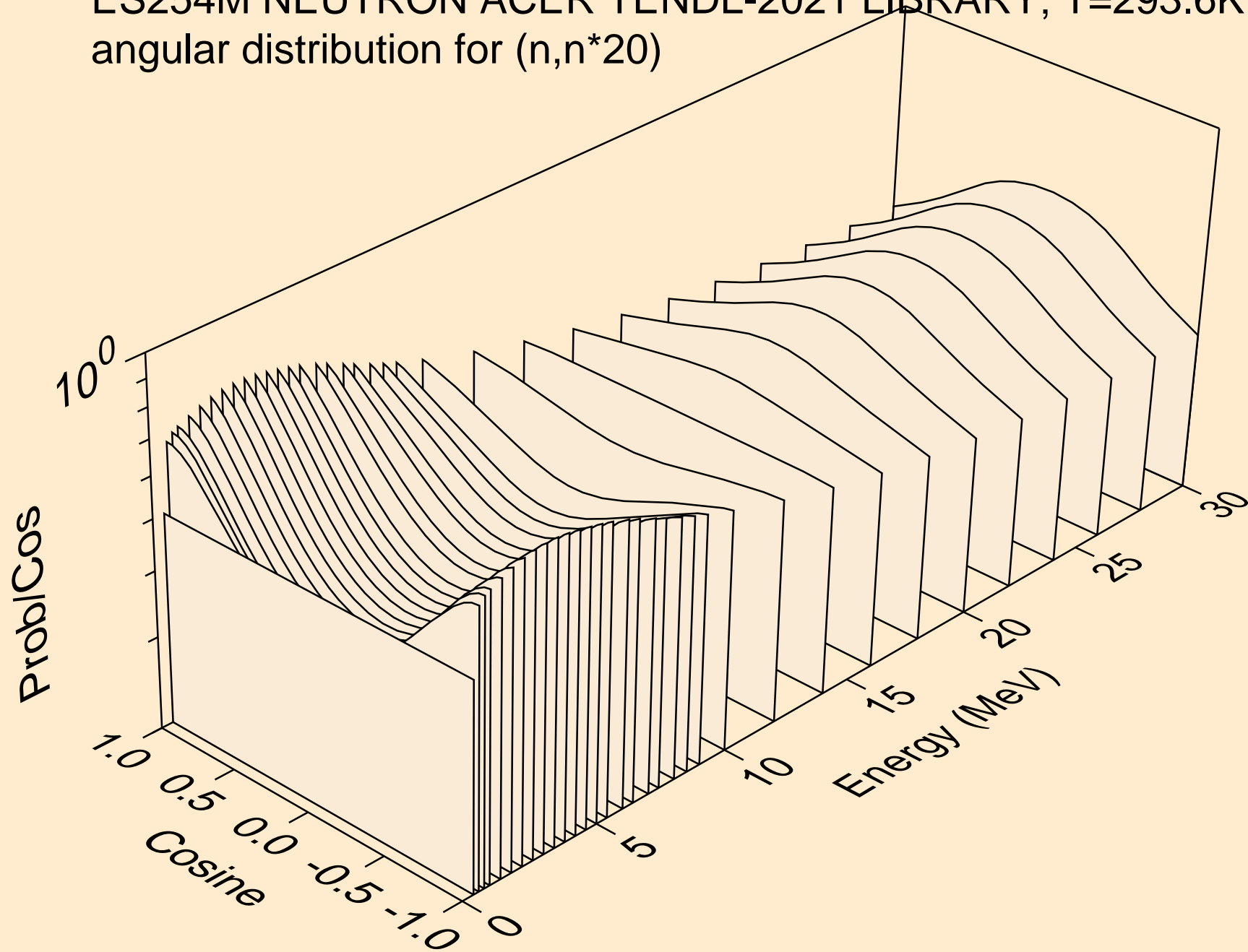




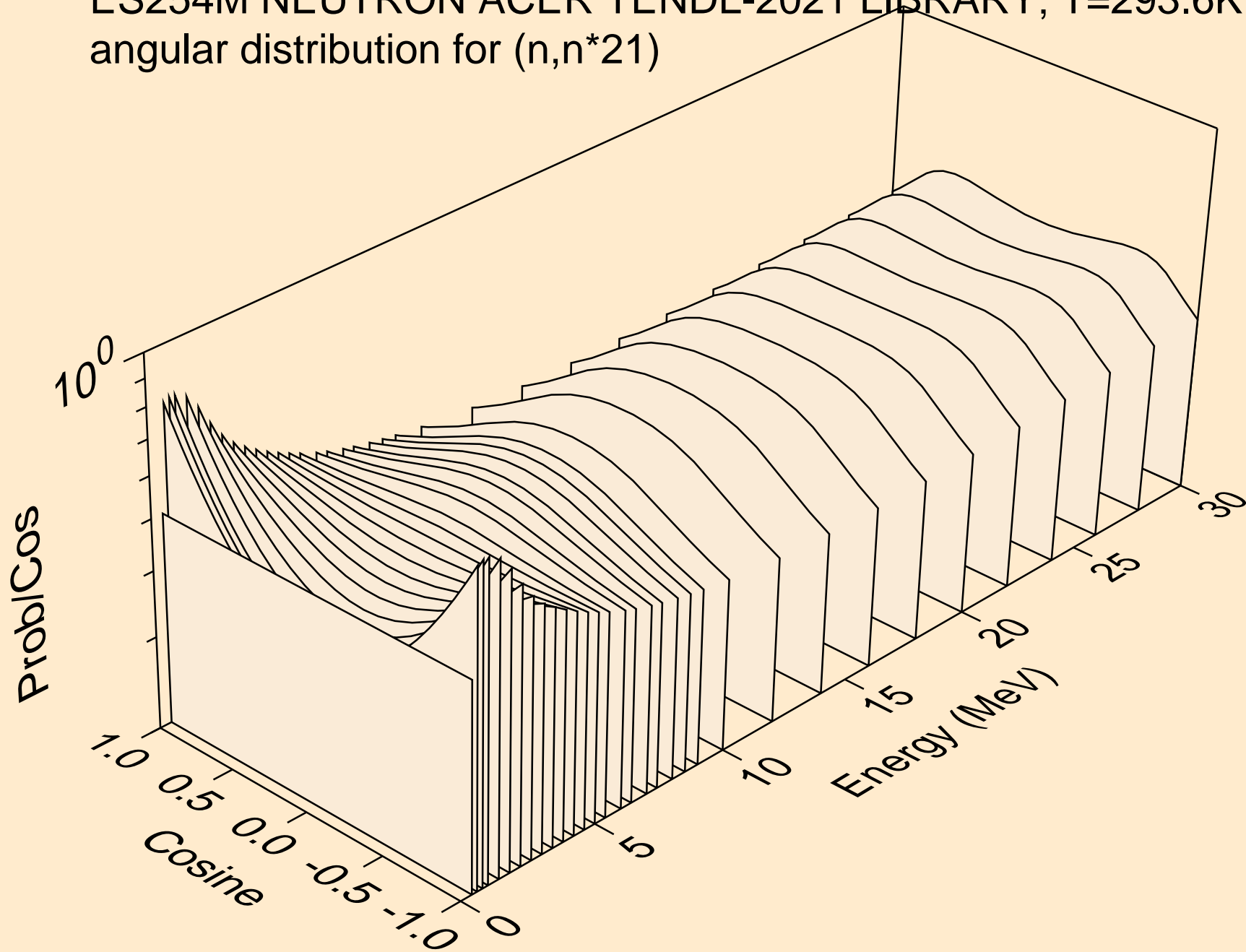
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angular distribution for (n,n\*19)



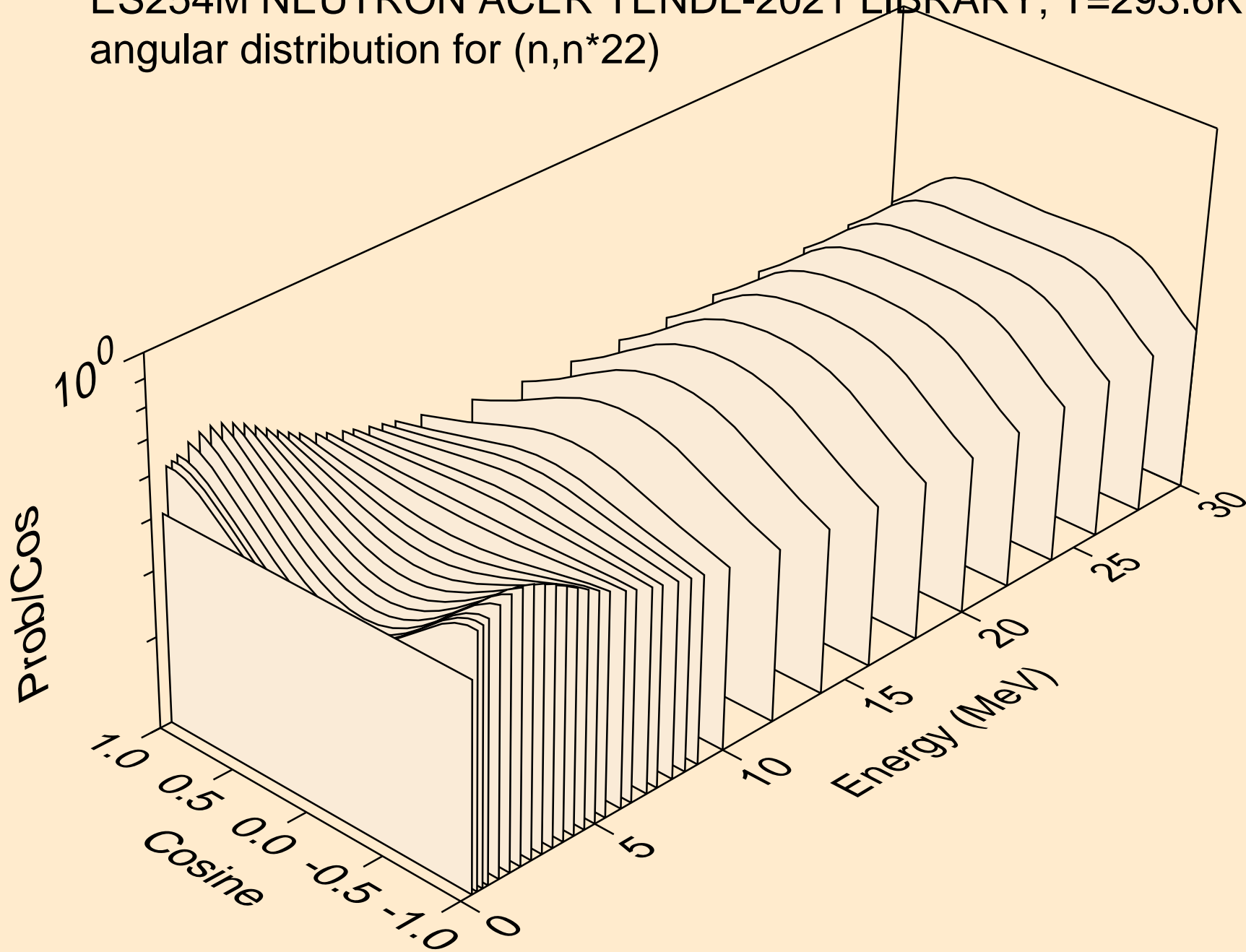
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angular distribution for (n,n\*20)



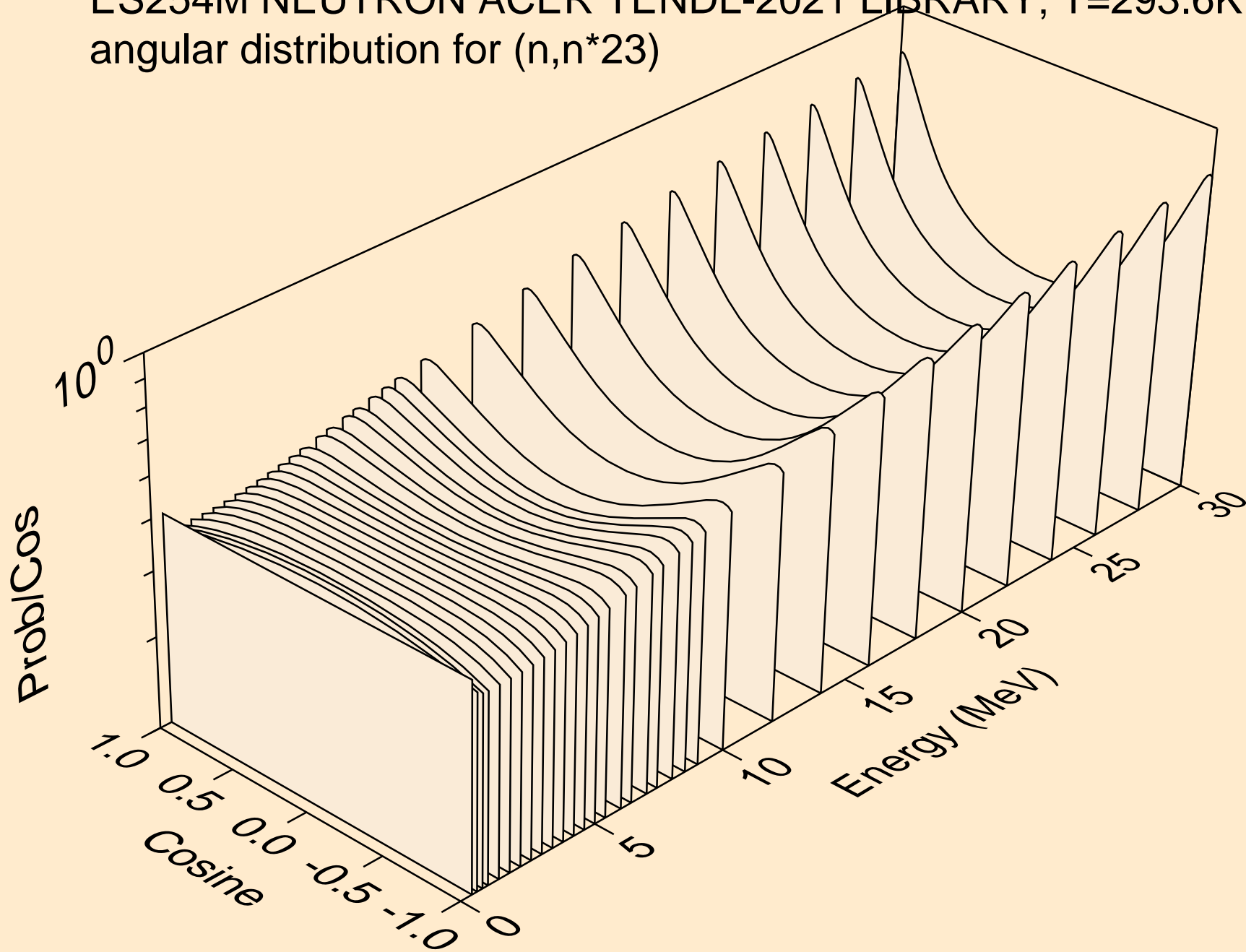
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angular distribution for (n,n\*21)



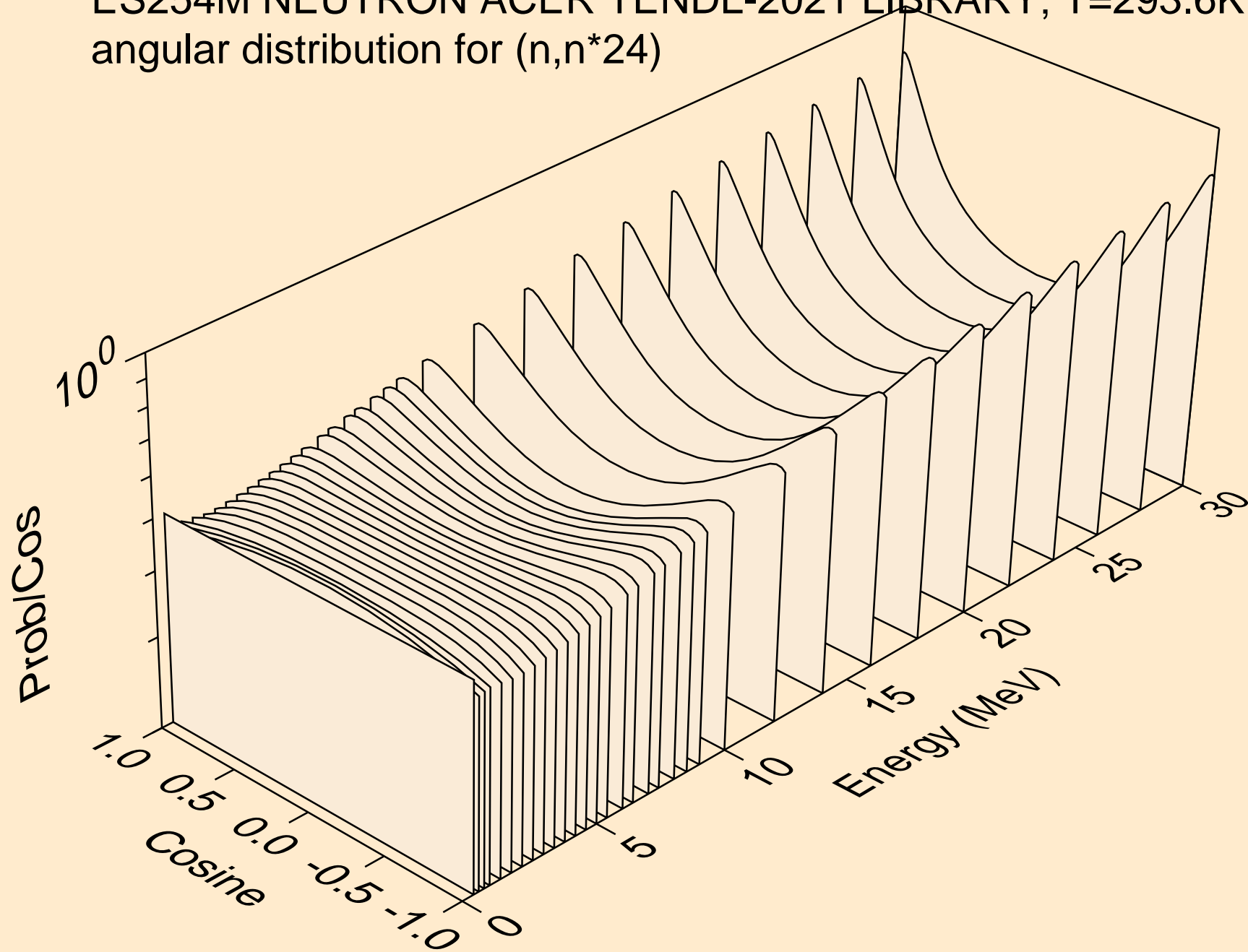
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angular distribution for (n,n\*22)



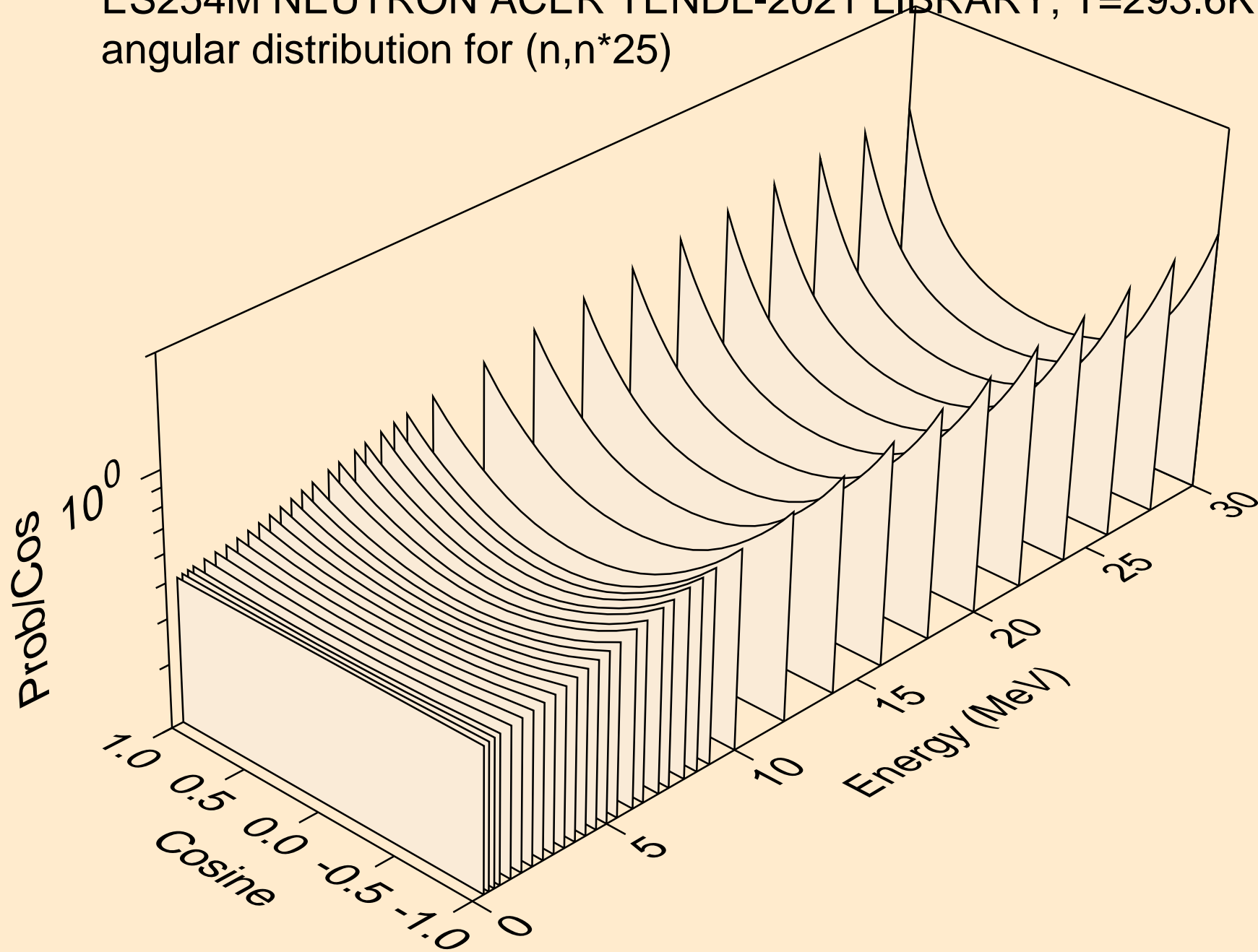
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angular distribution for (n,n\*23)



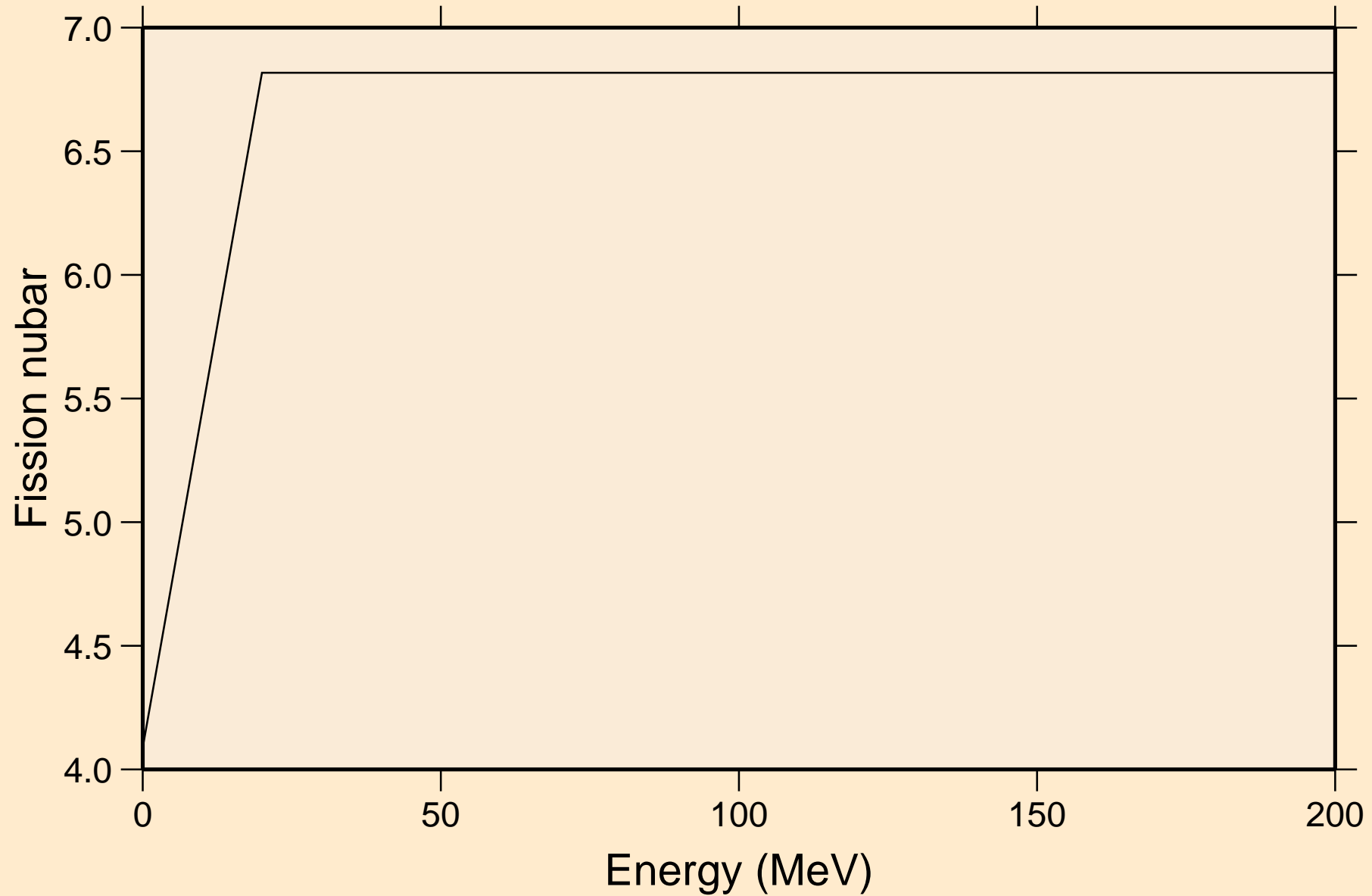
ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*24)



ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*25)

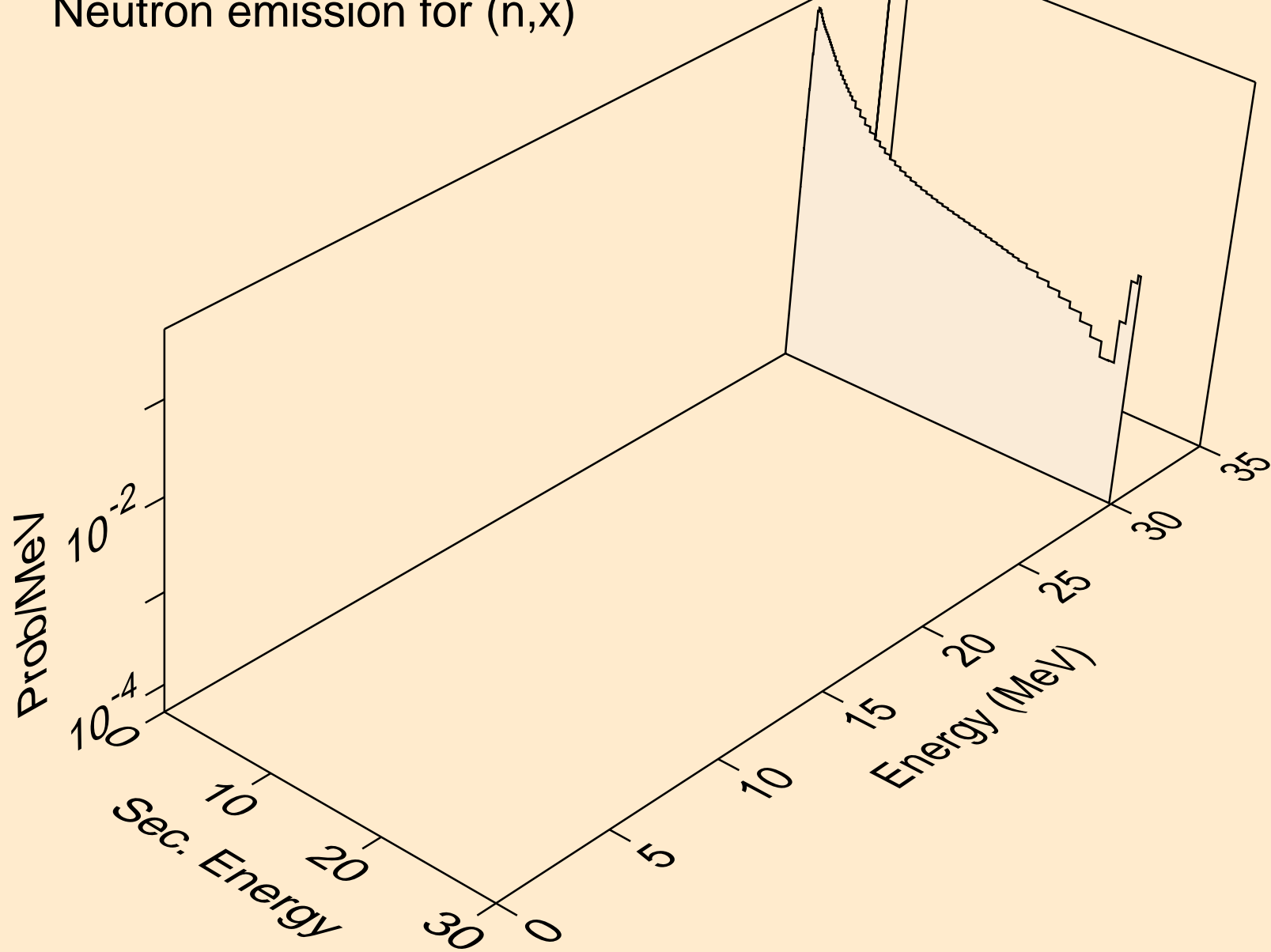


ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Total fission nubar

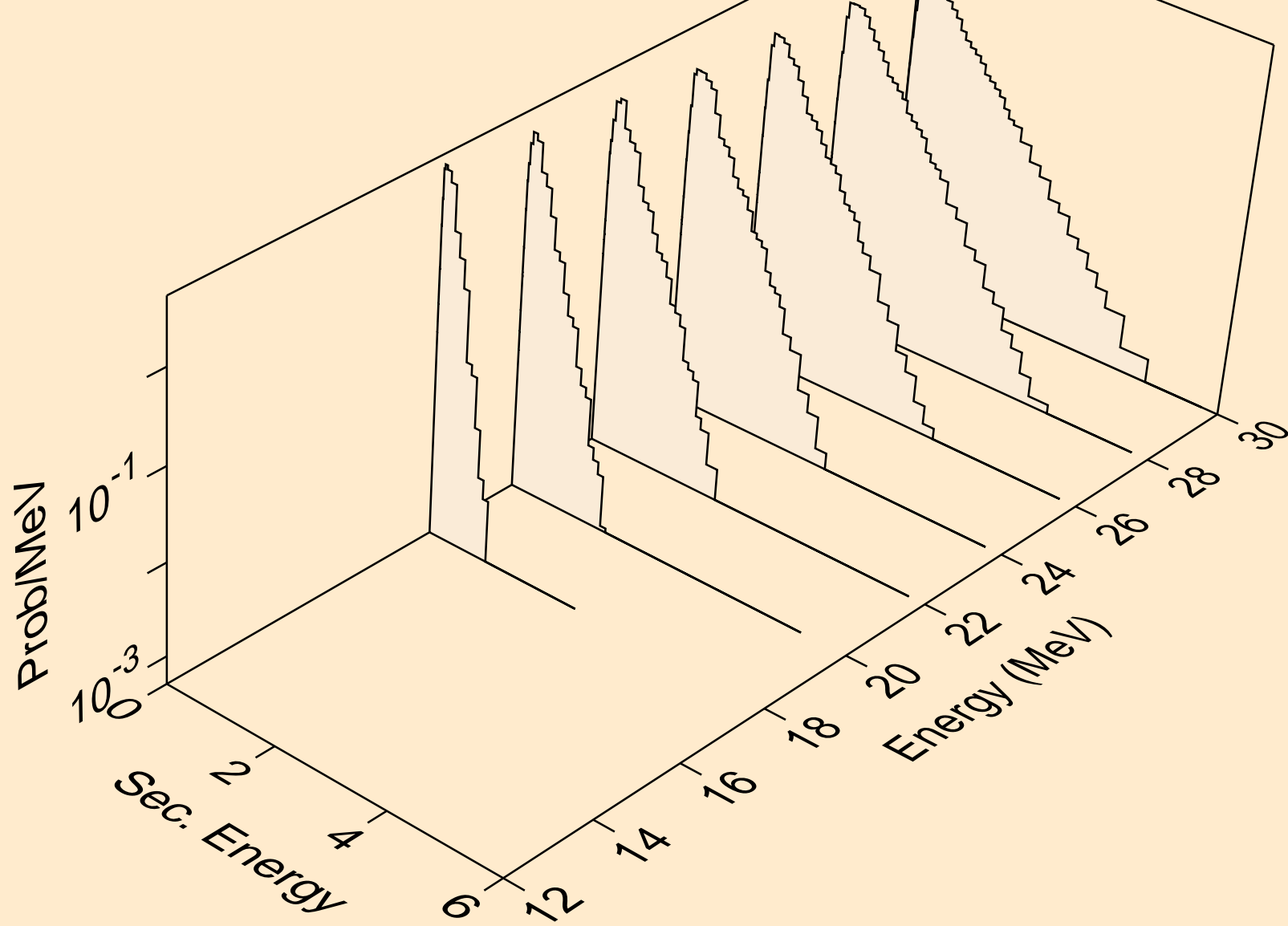




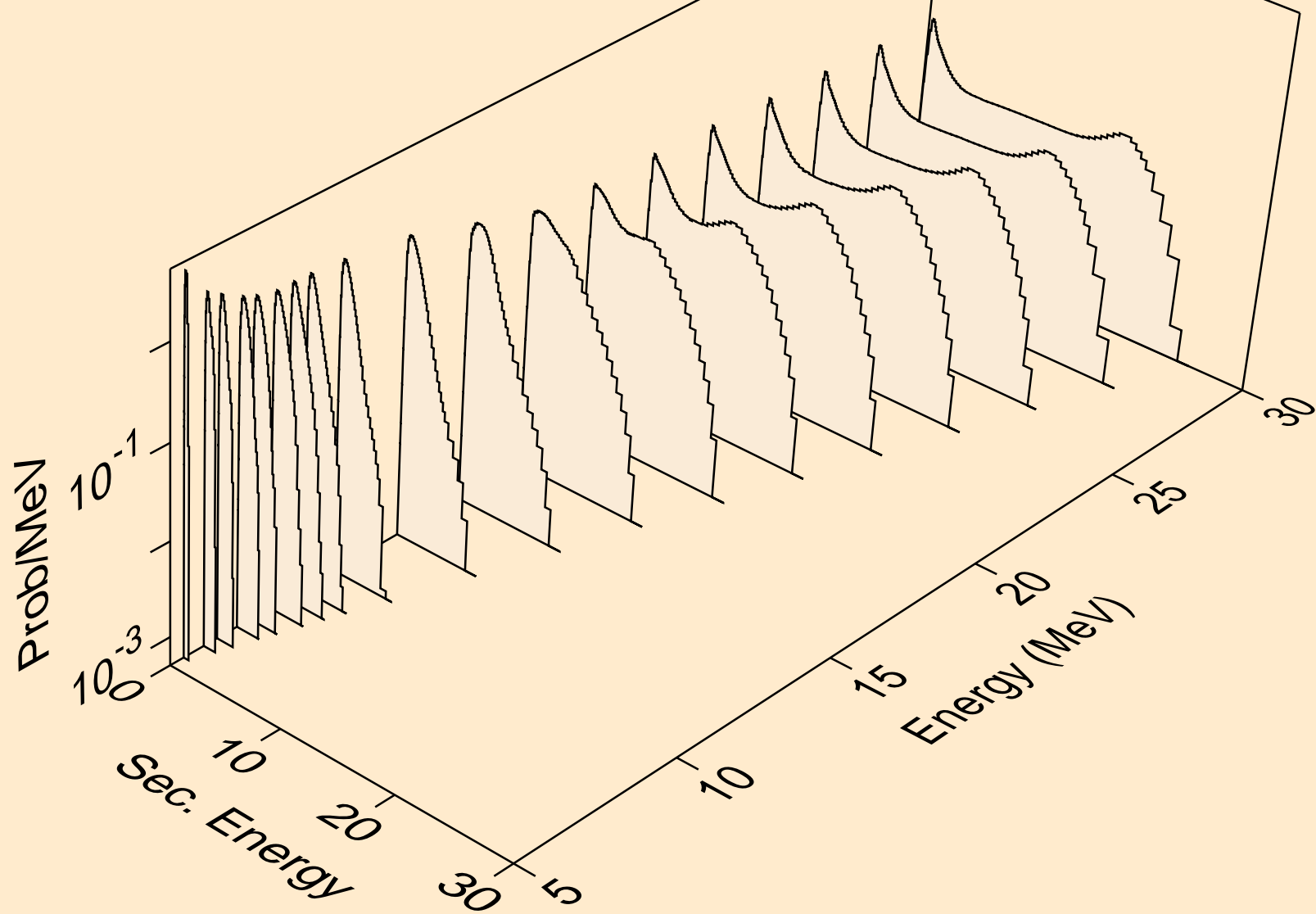
ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,x)



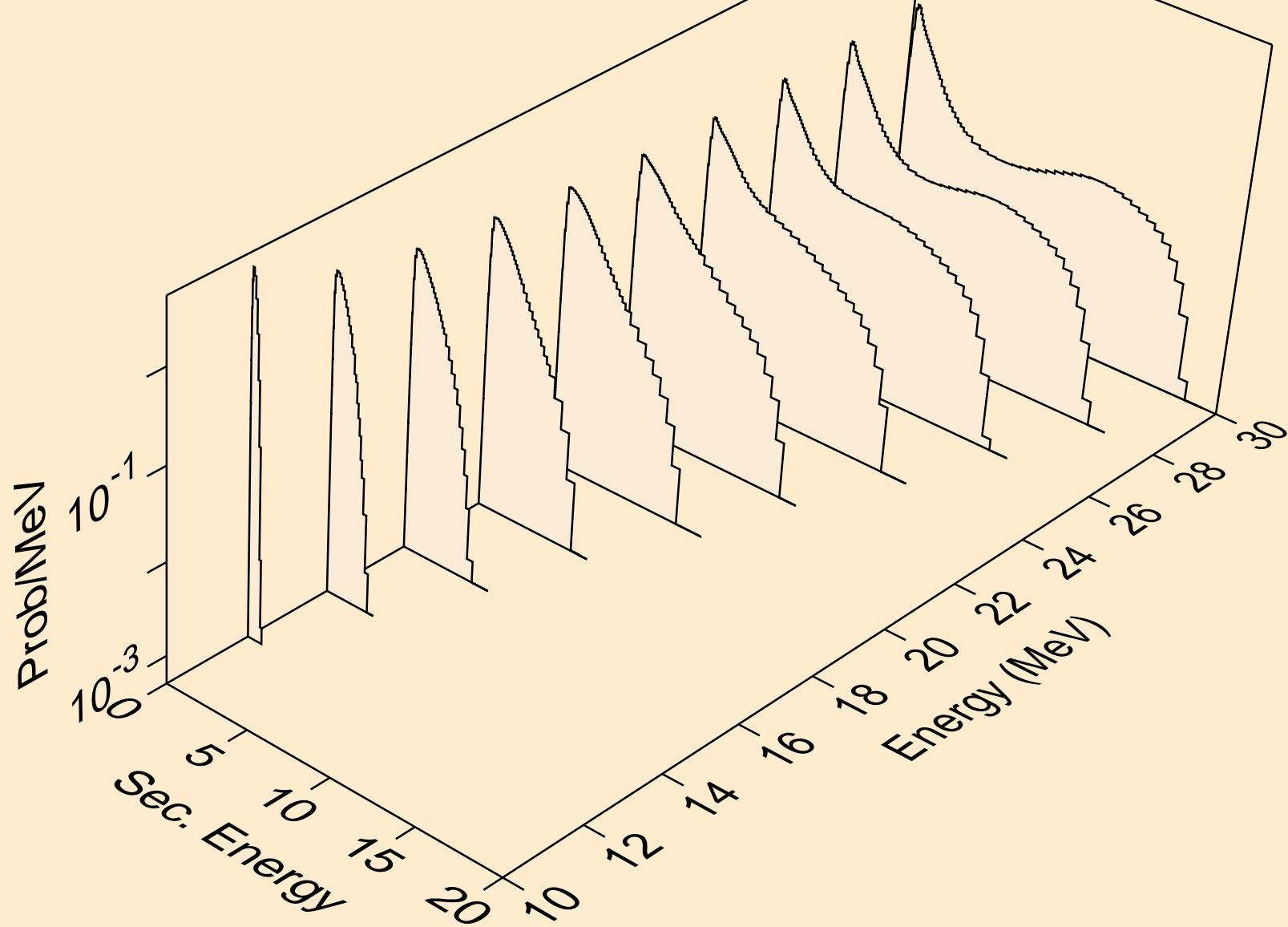
ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2nd)



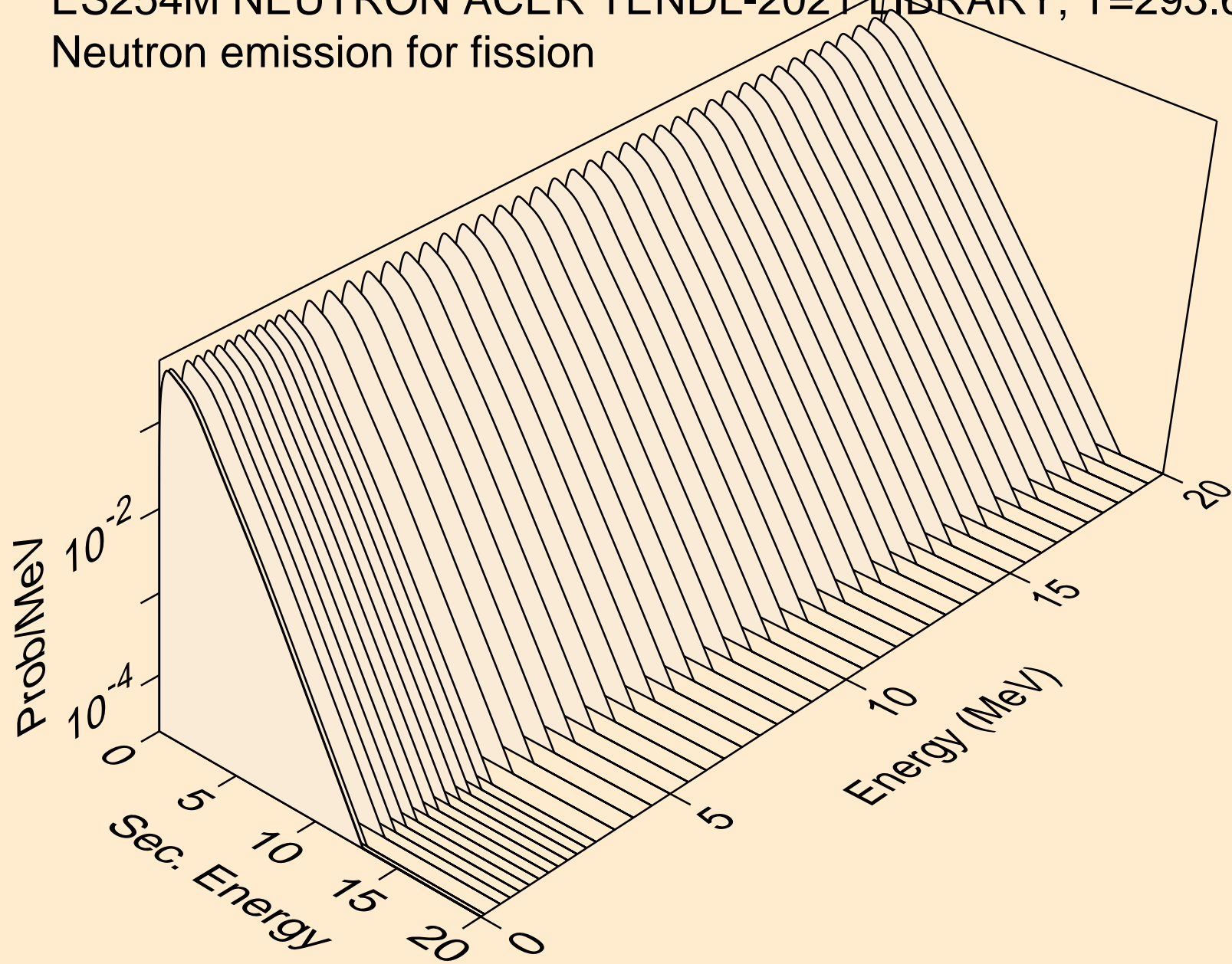
ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)



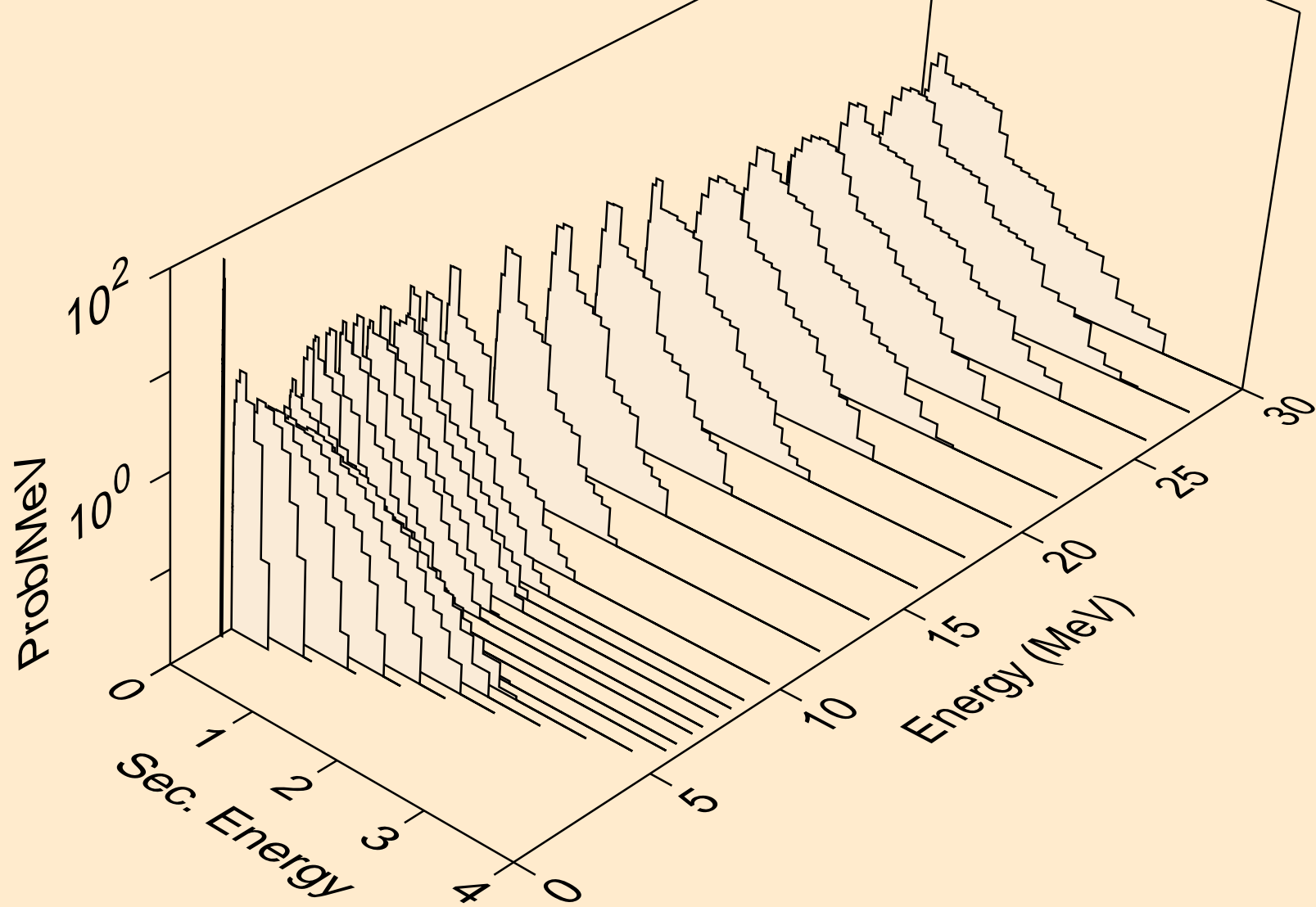
ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3n)



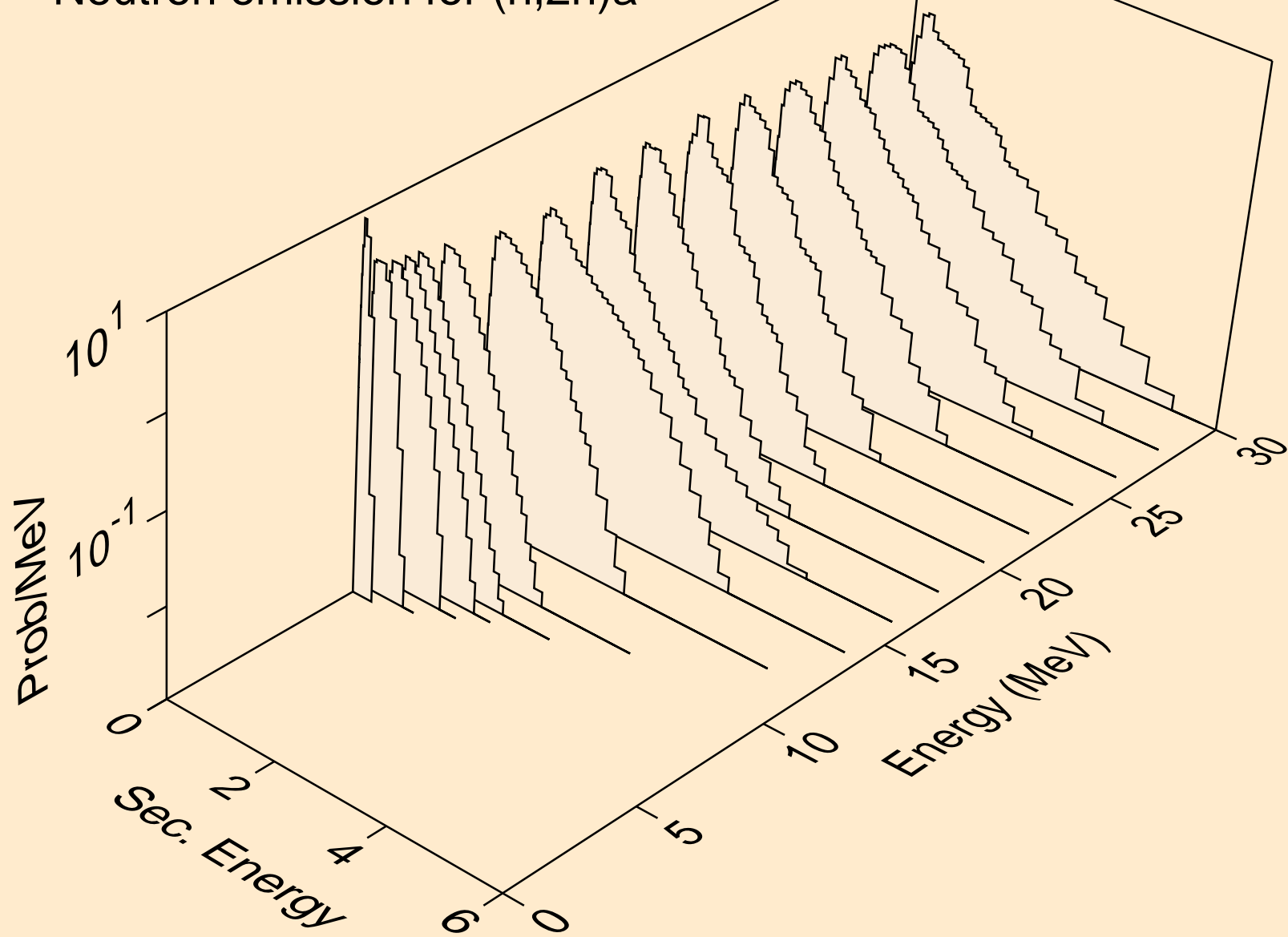
ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for fission



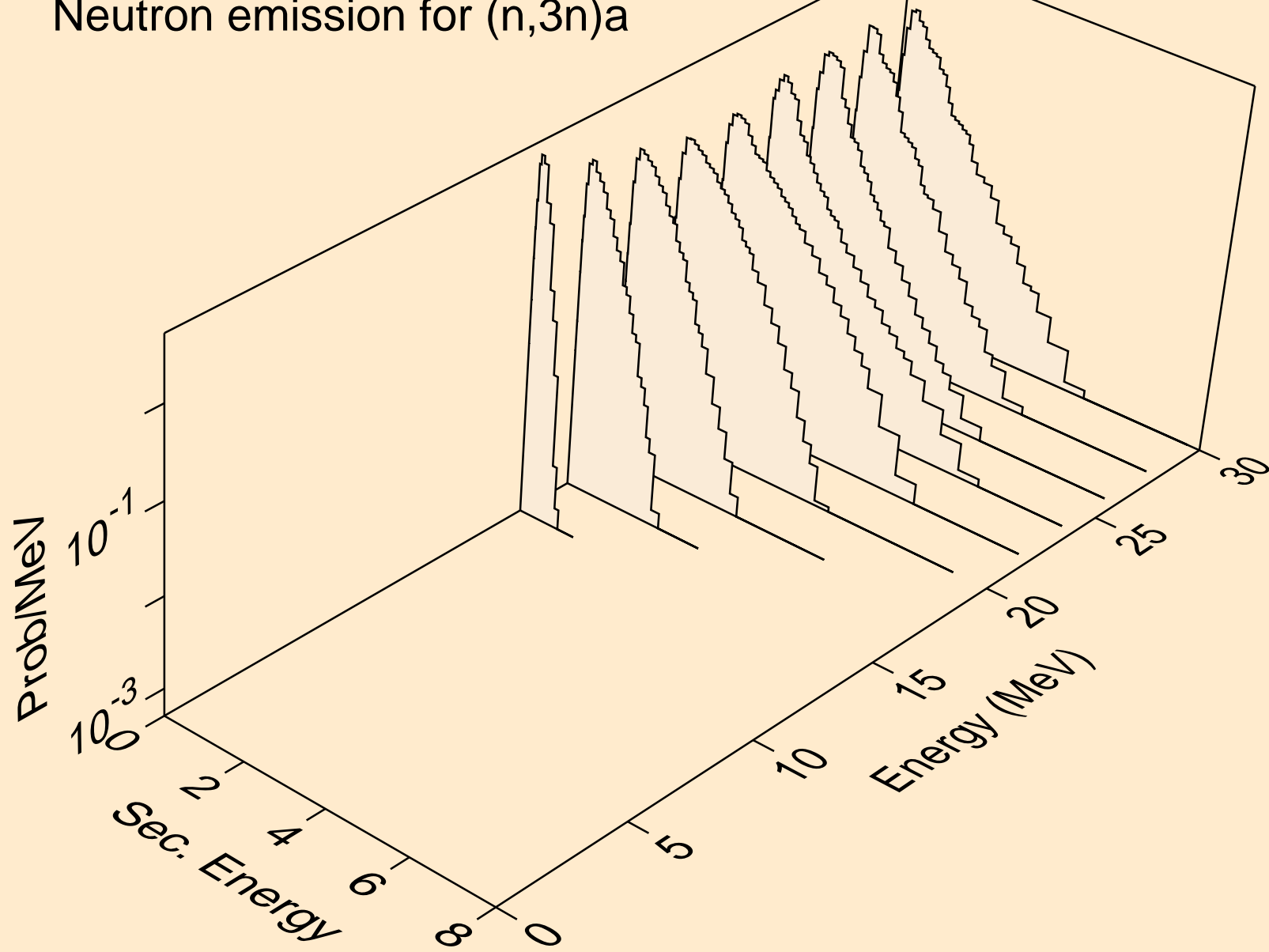
ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)a



ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)a

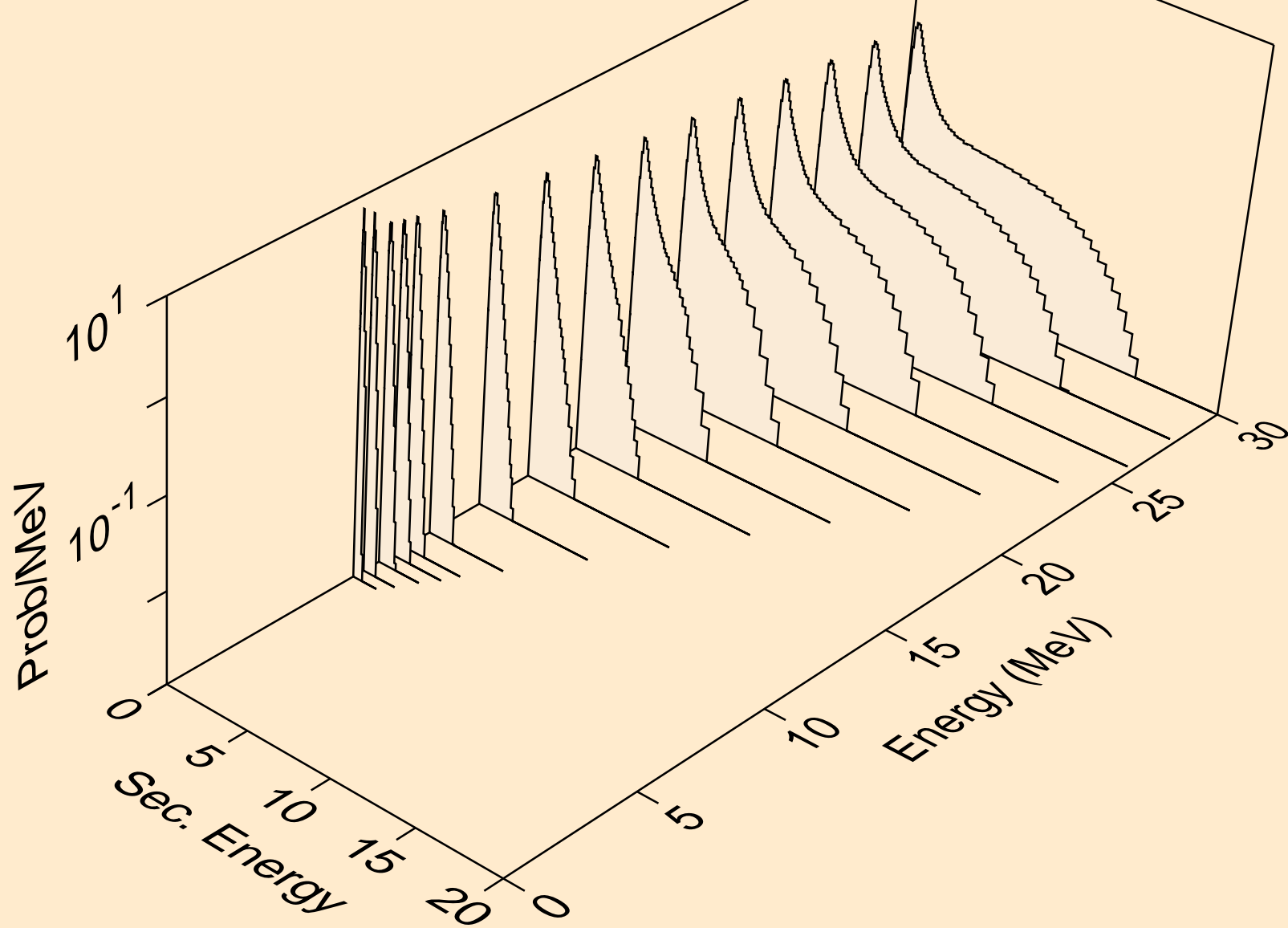


ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3n)a

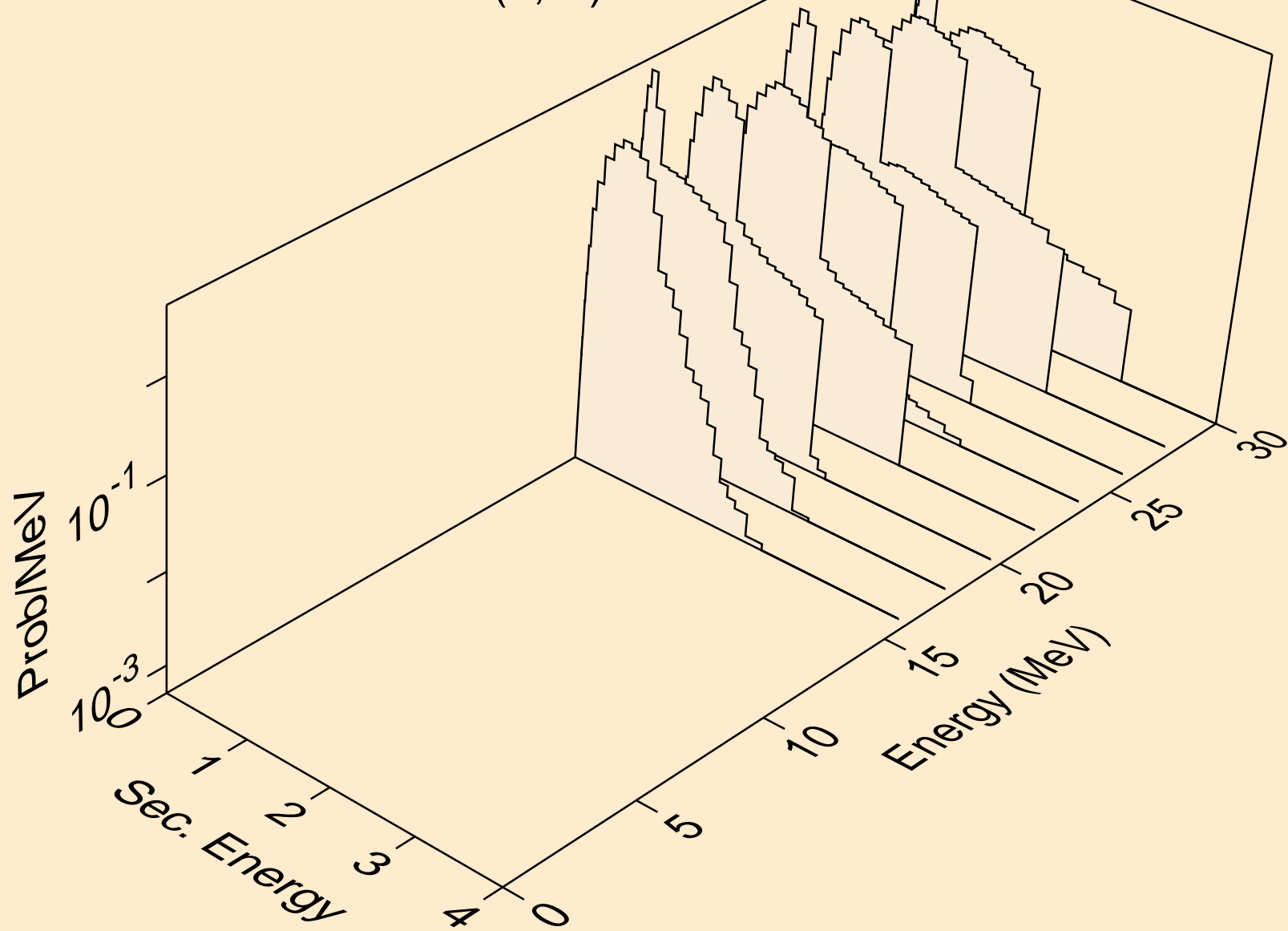




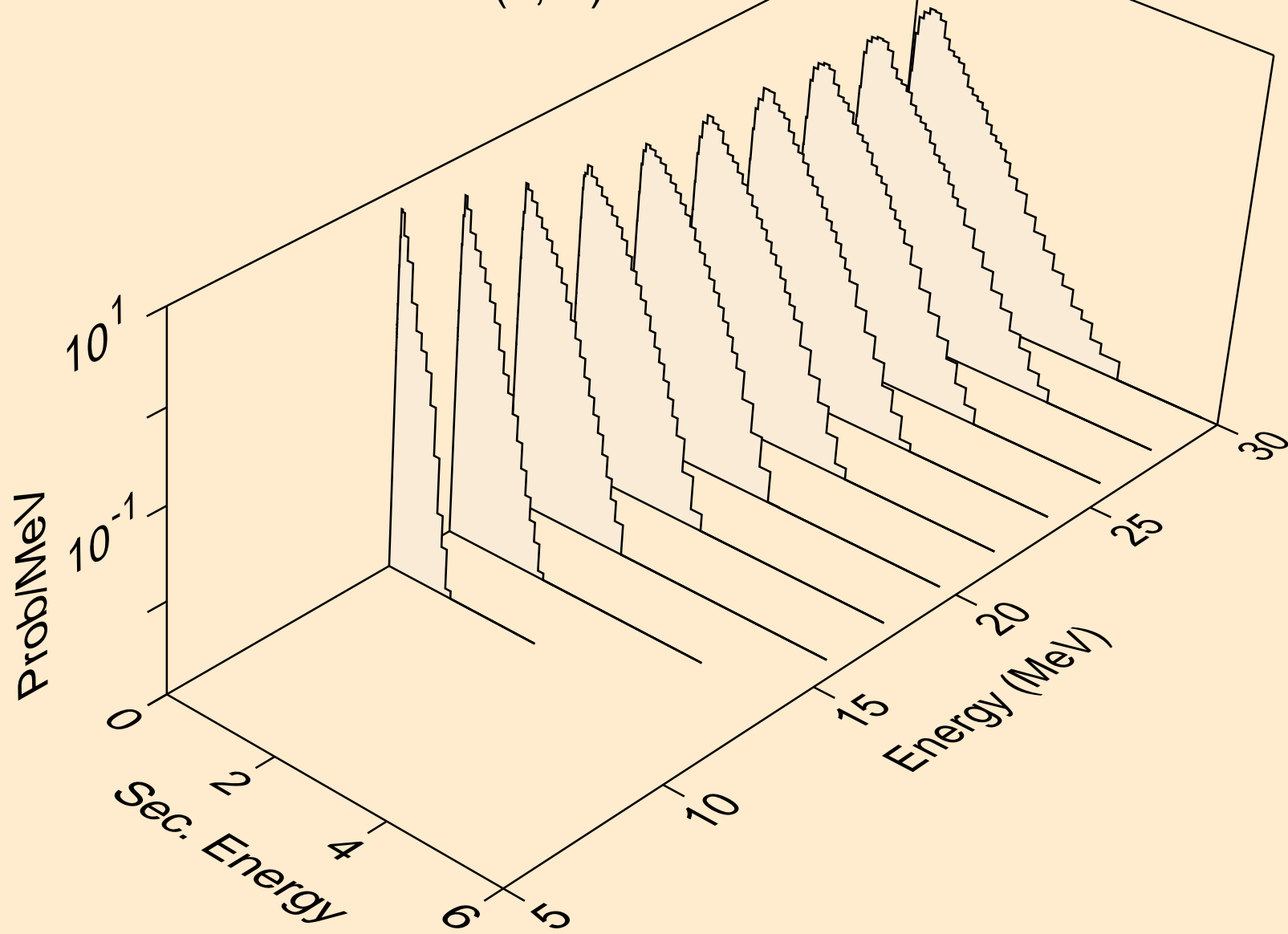
ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)p



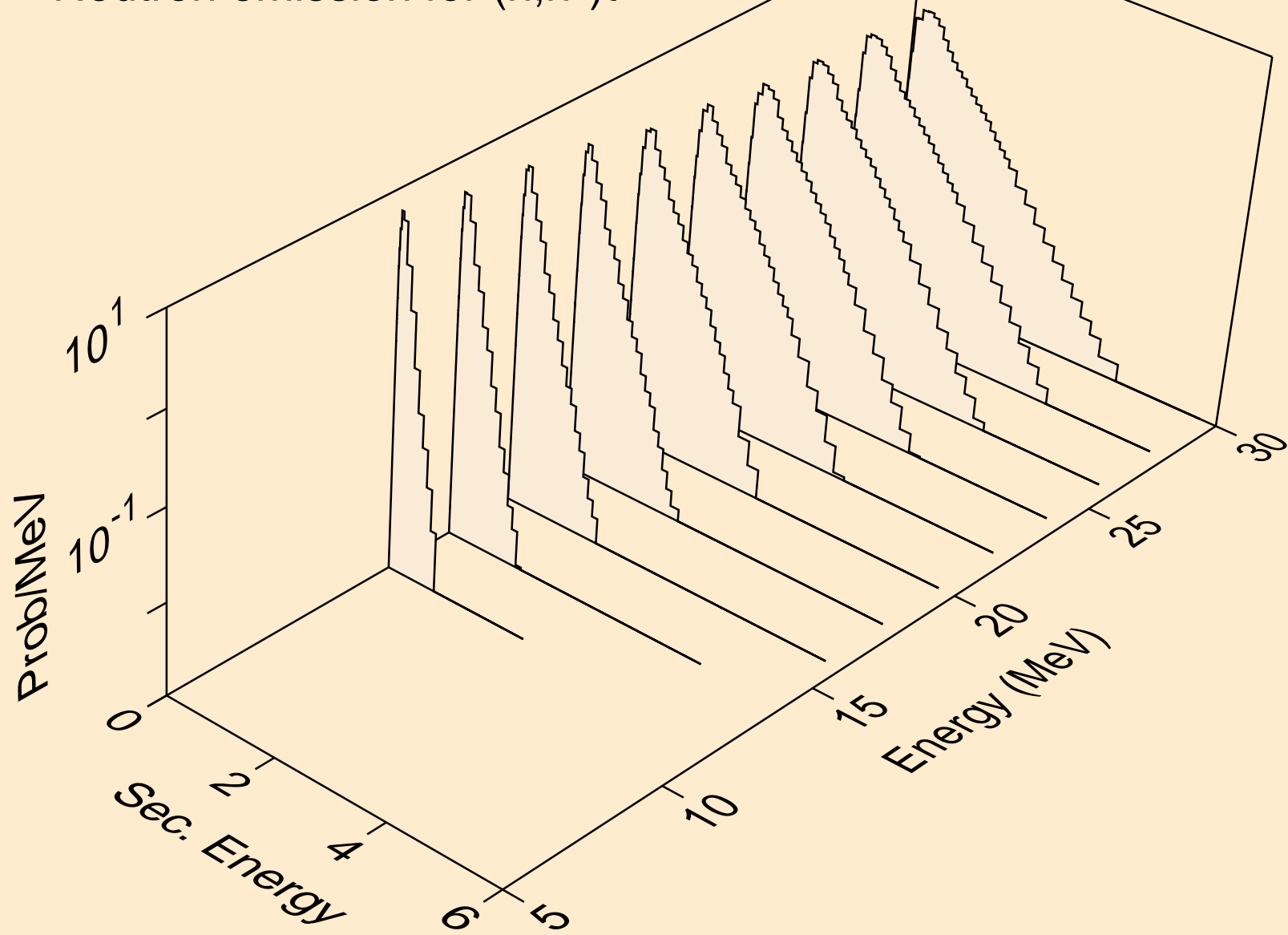
ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)2a



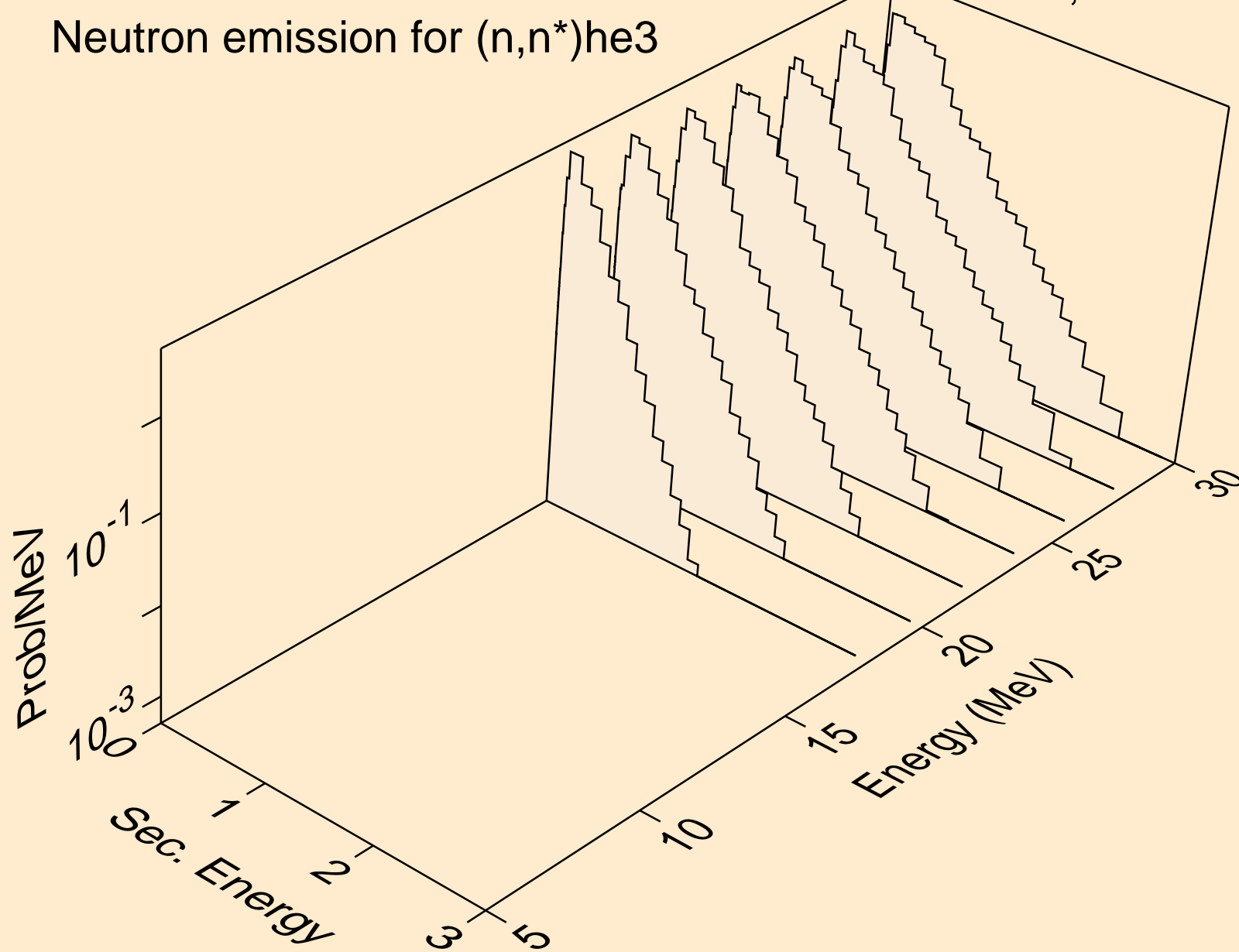
ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)d



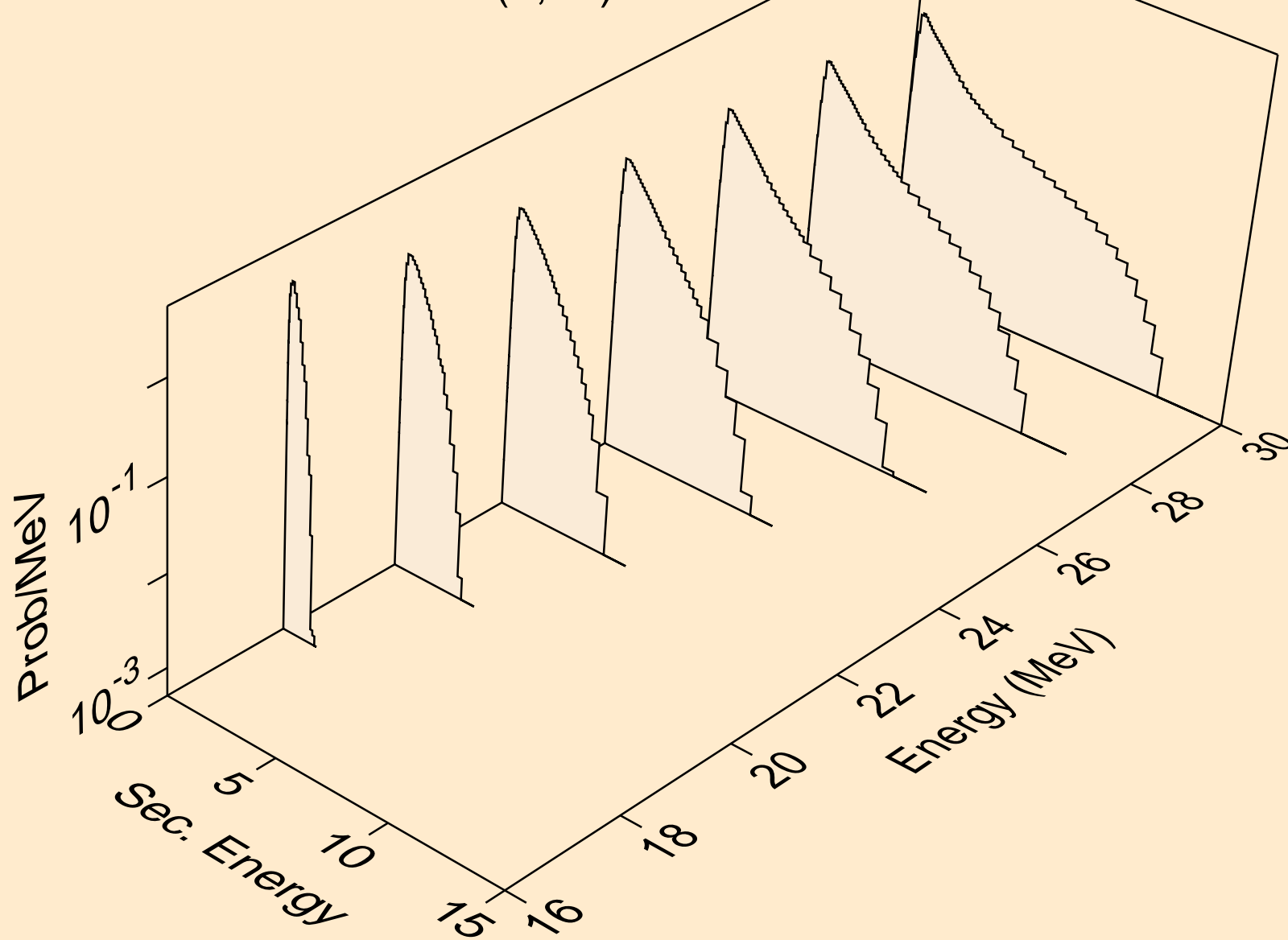
ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)t



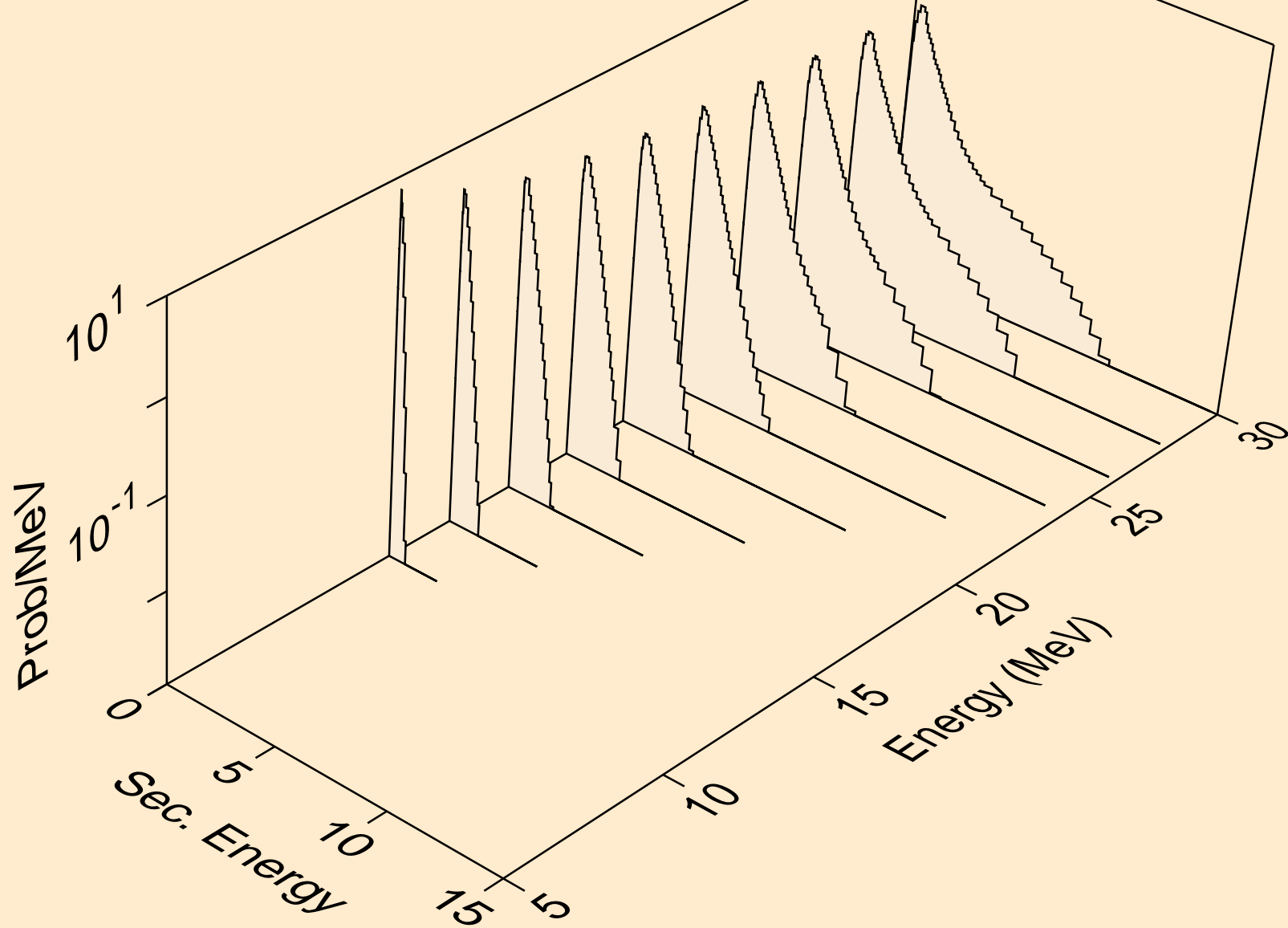
ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)he3



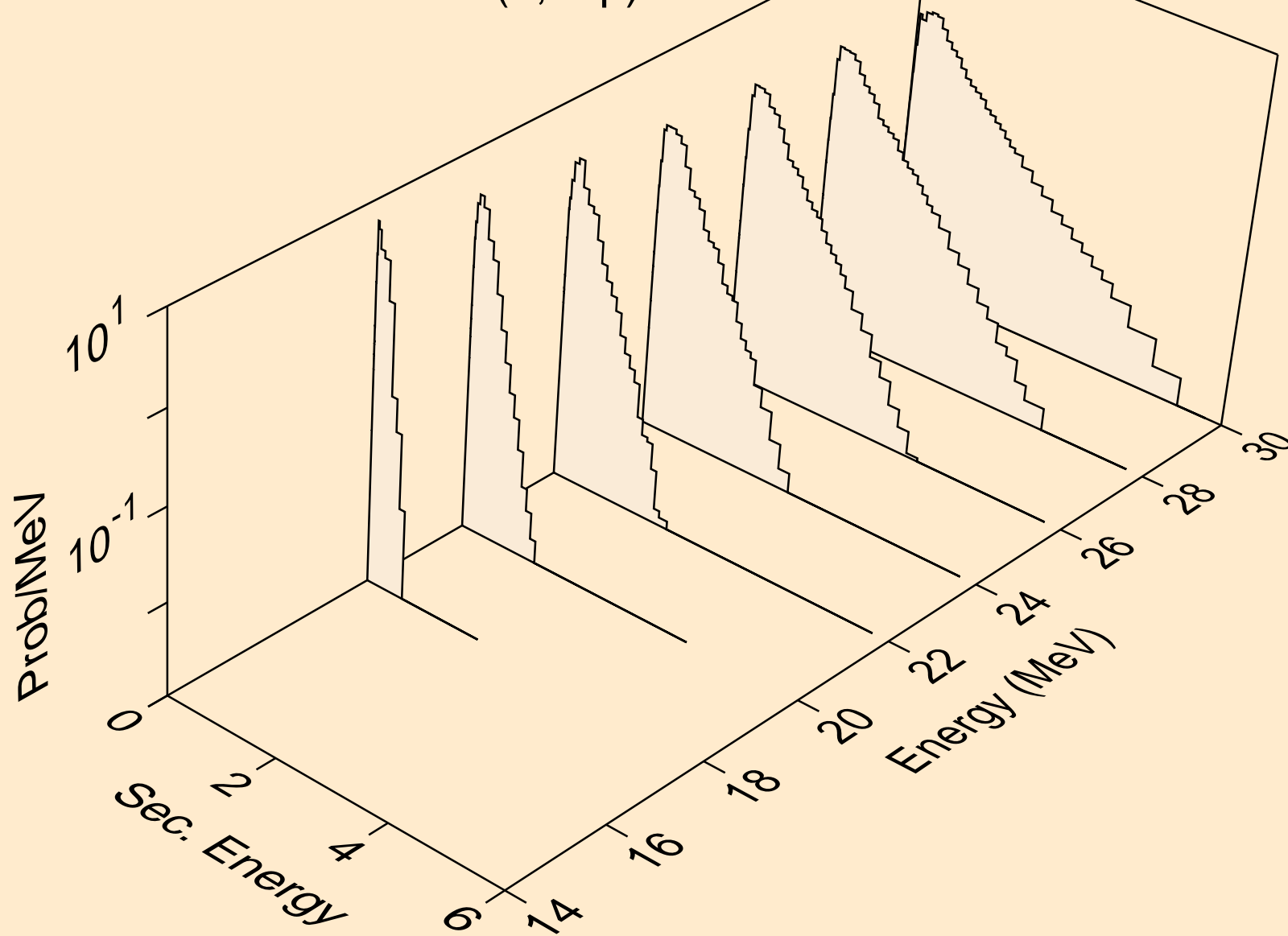
ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,4n)



ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2np)

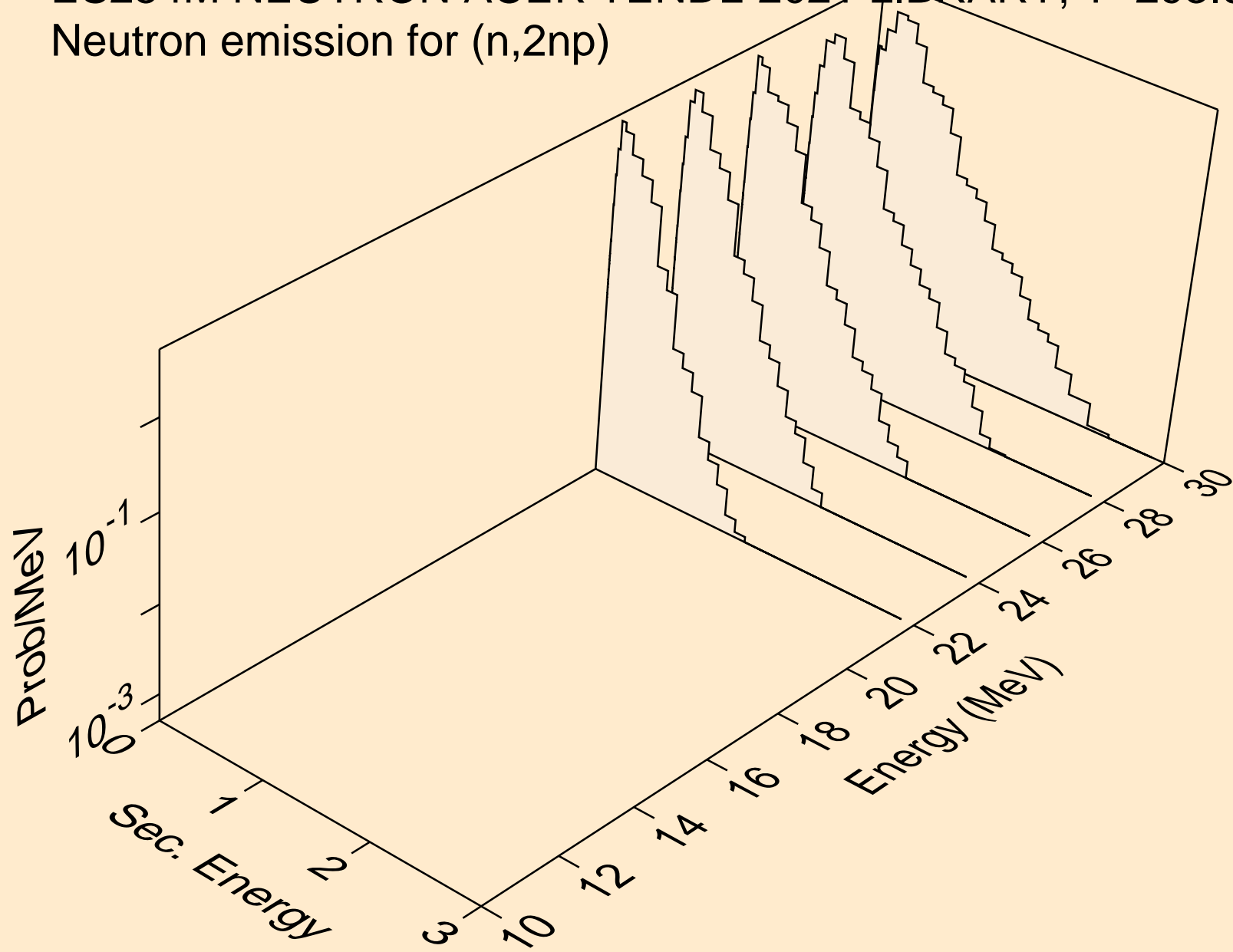


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Neutron emission for (n,3np)

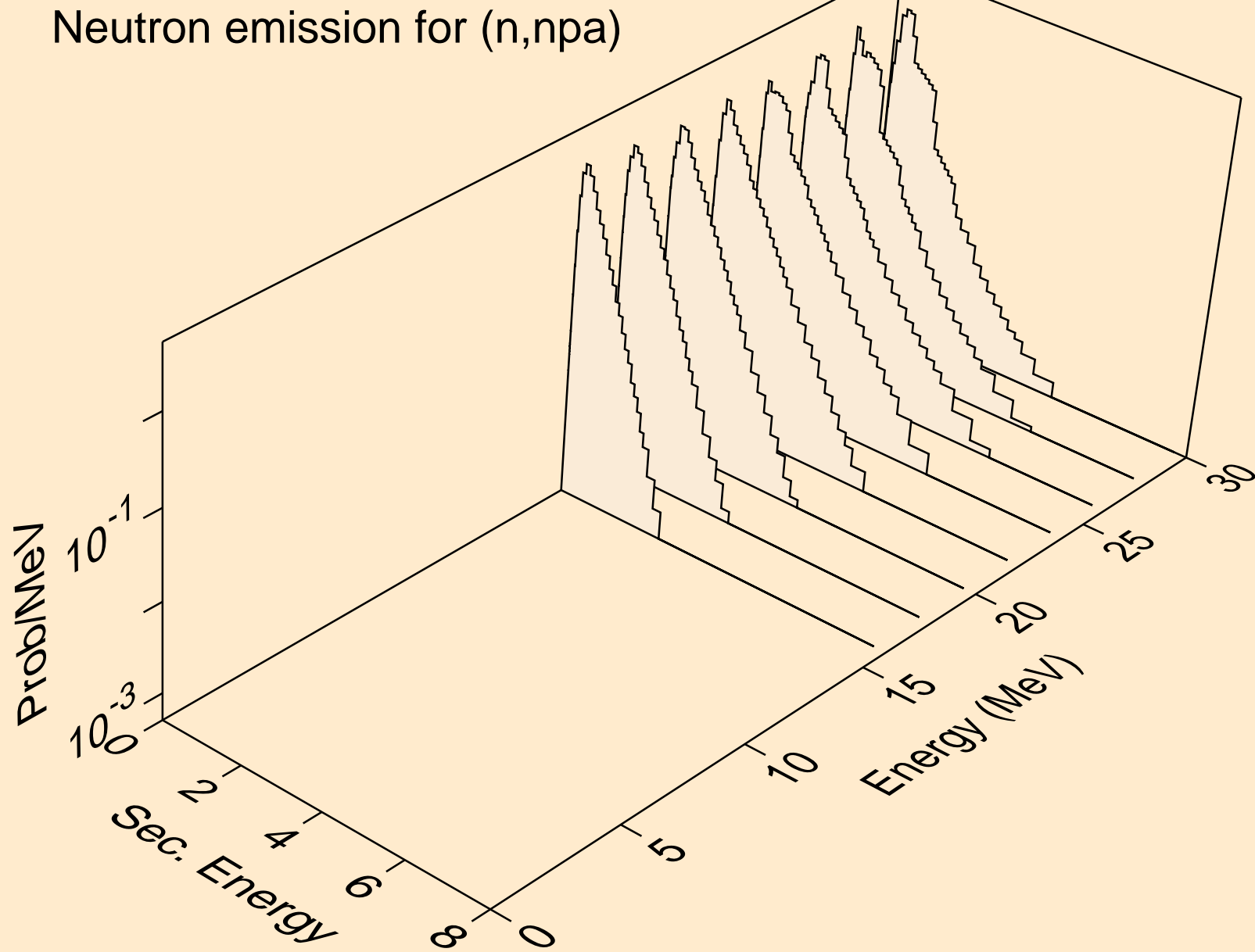




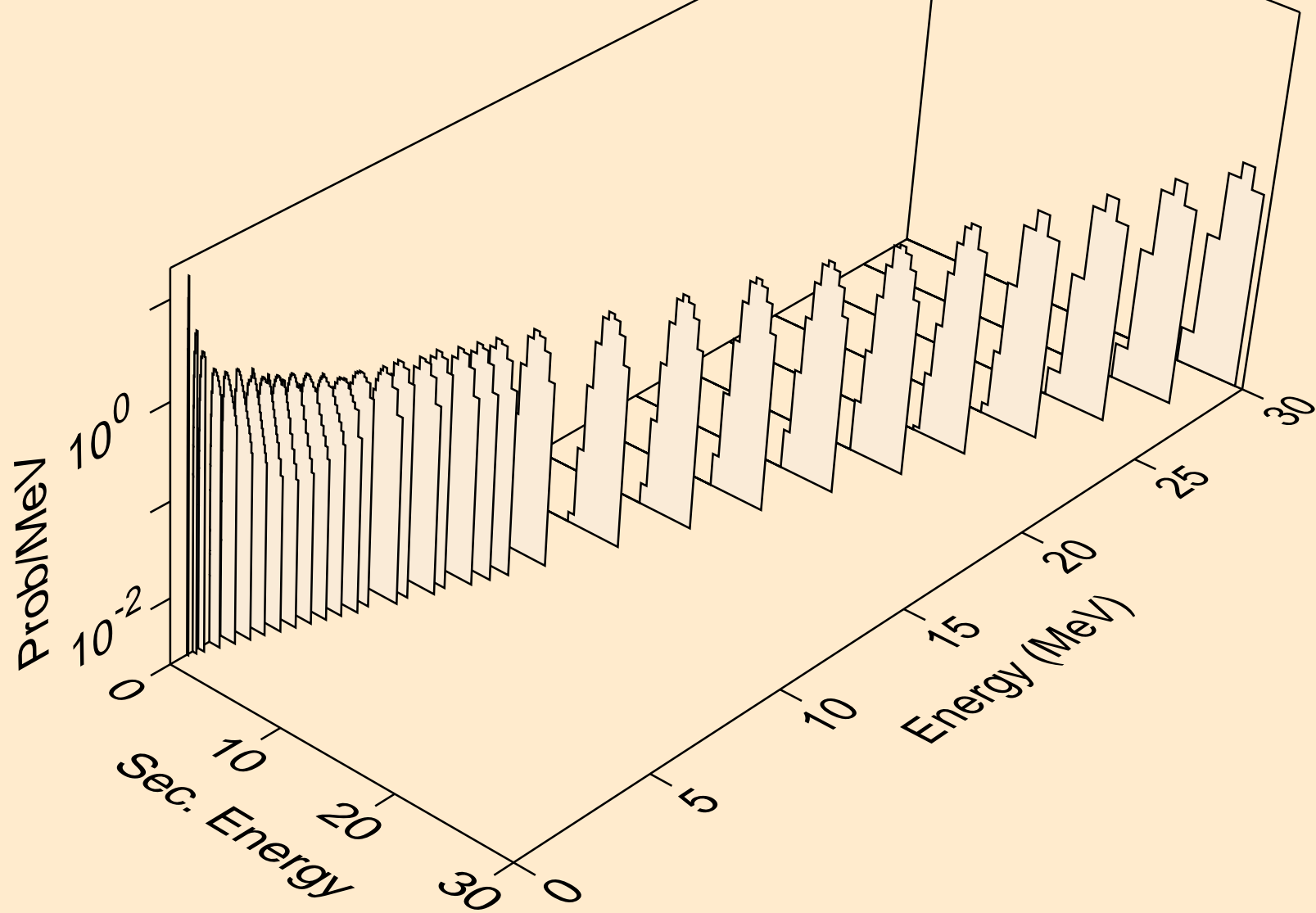
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Neutron emission for (n,2np)



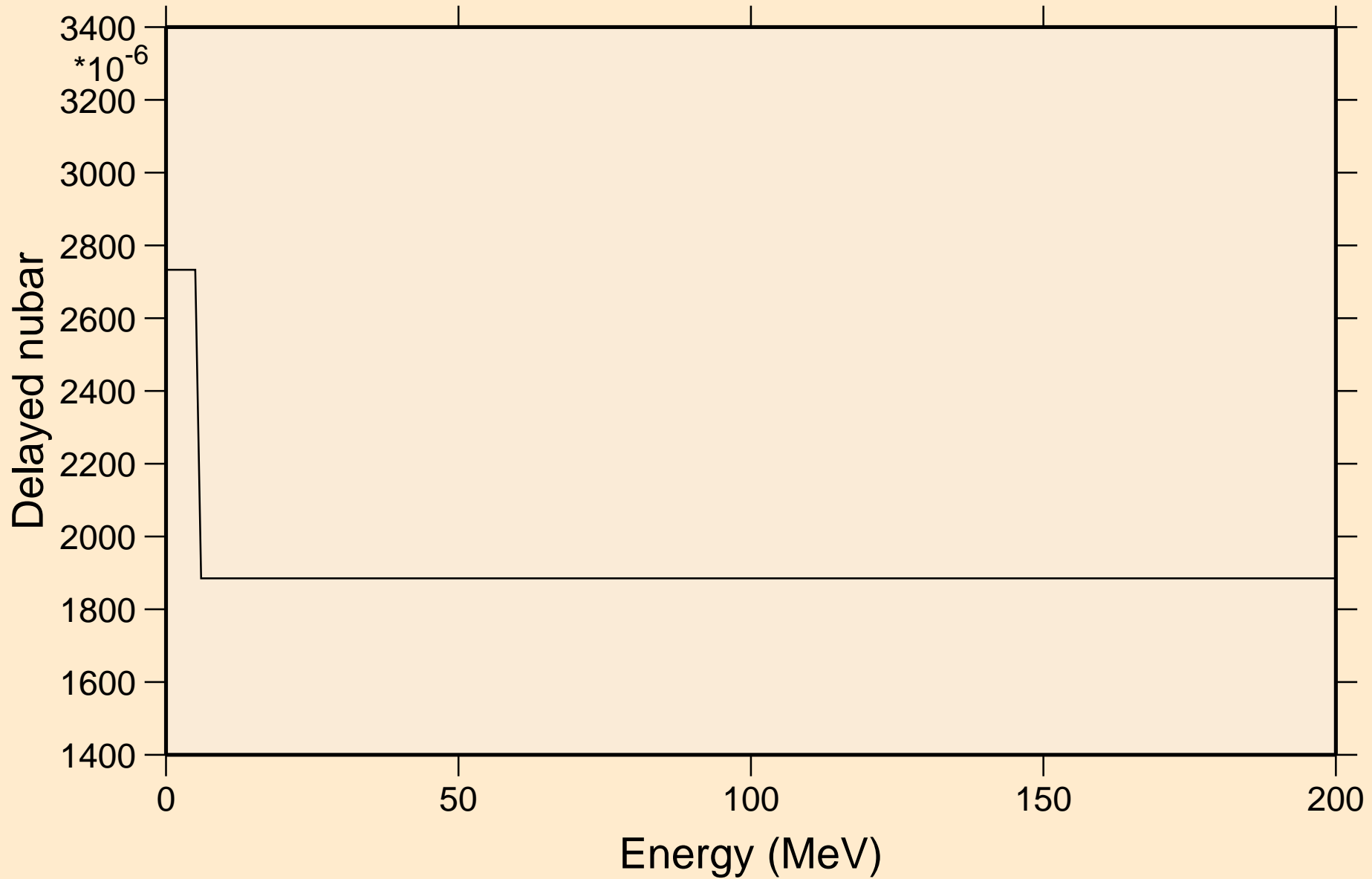
ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,npa)



ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*c)

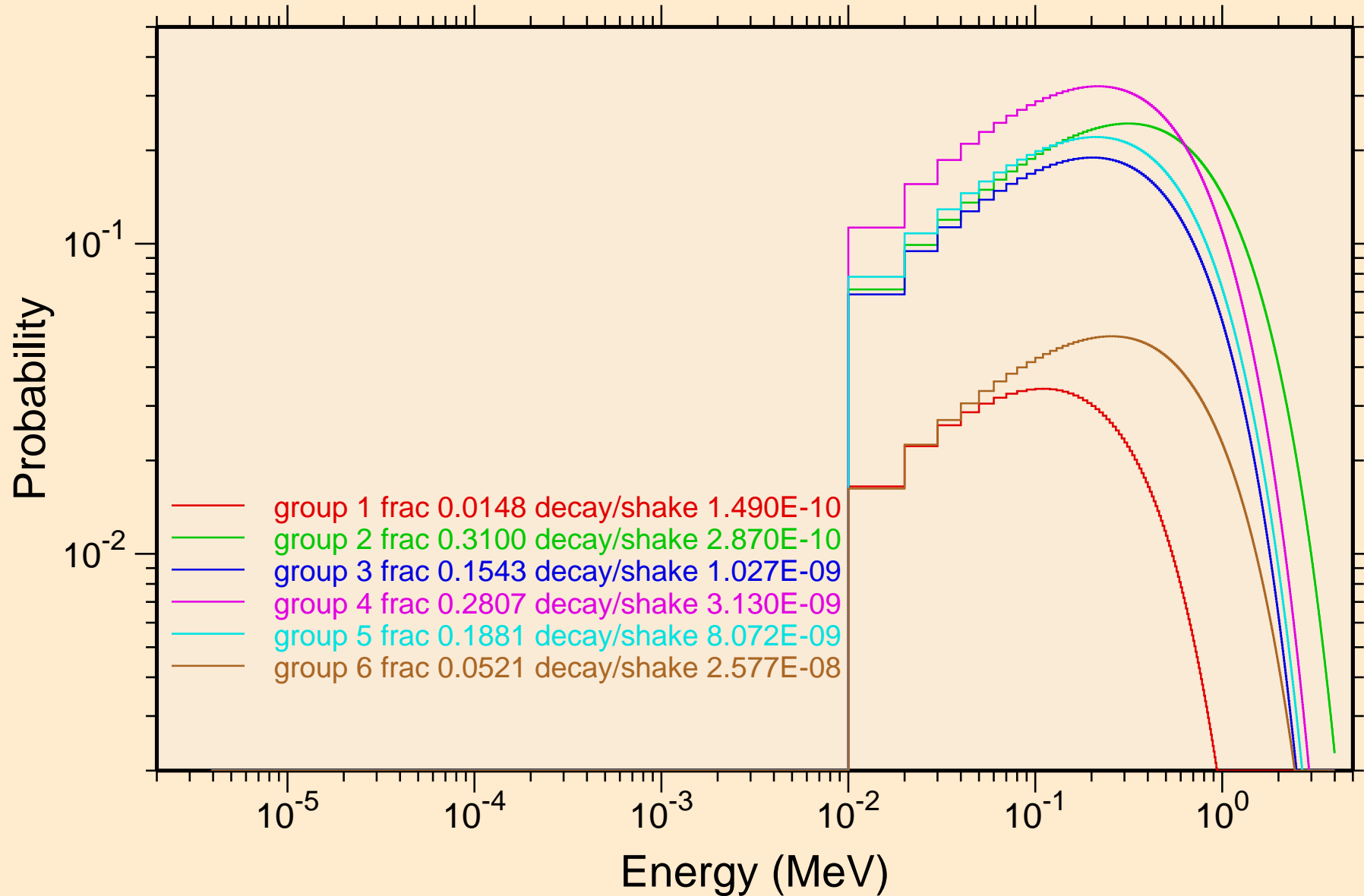


ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Delayed nubar

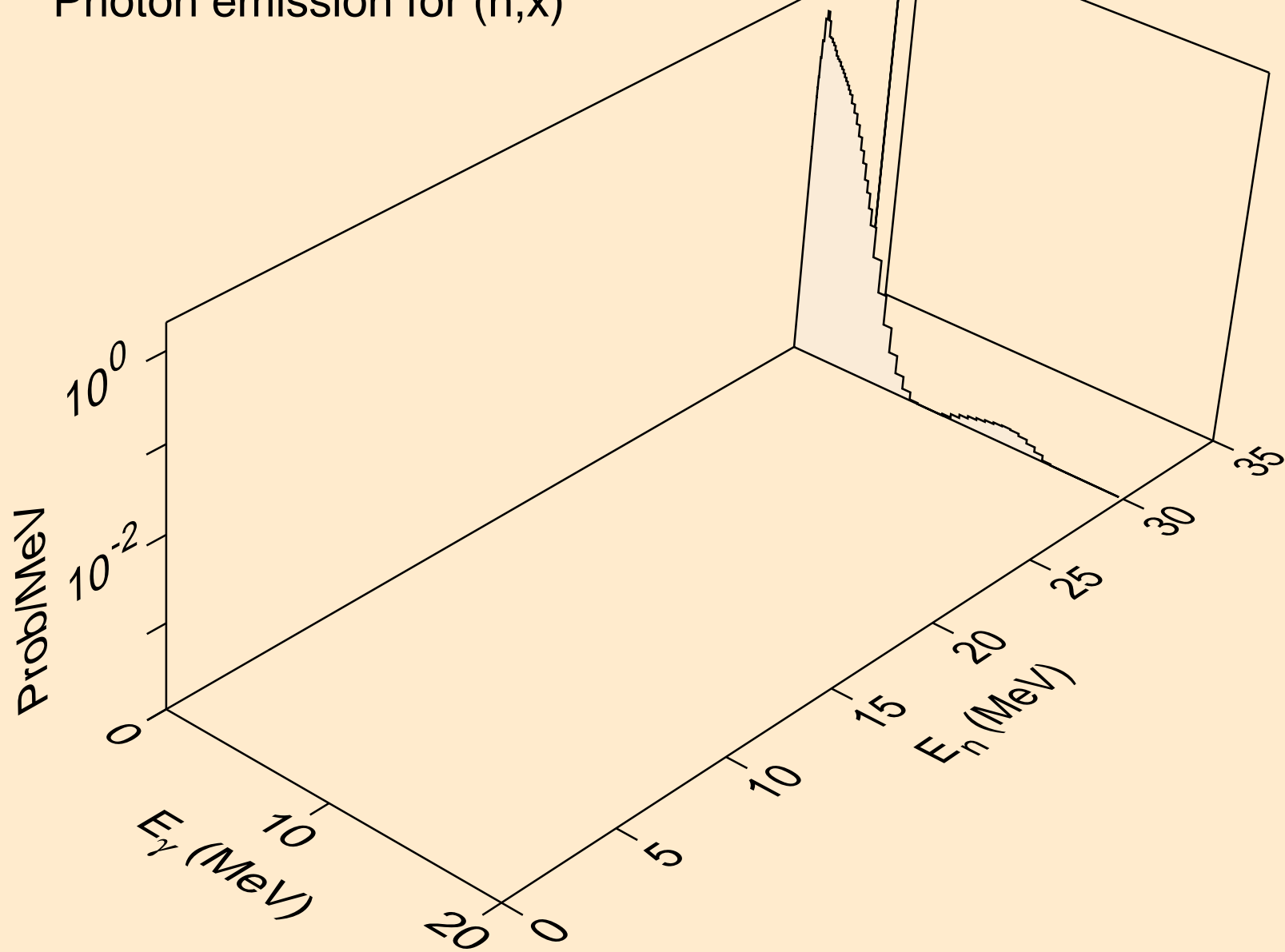


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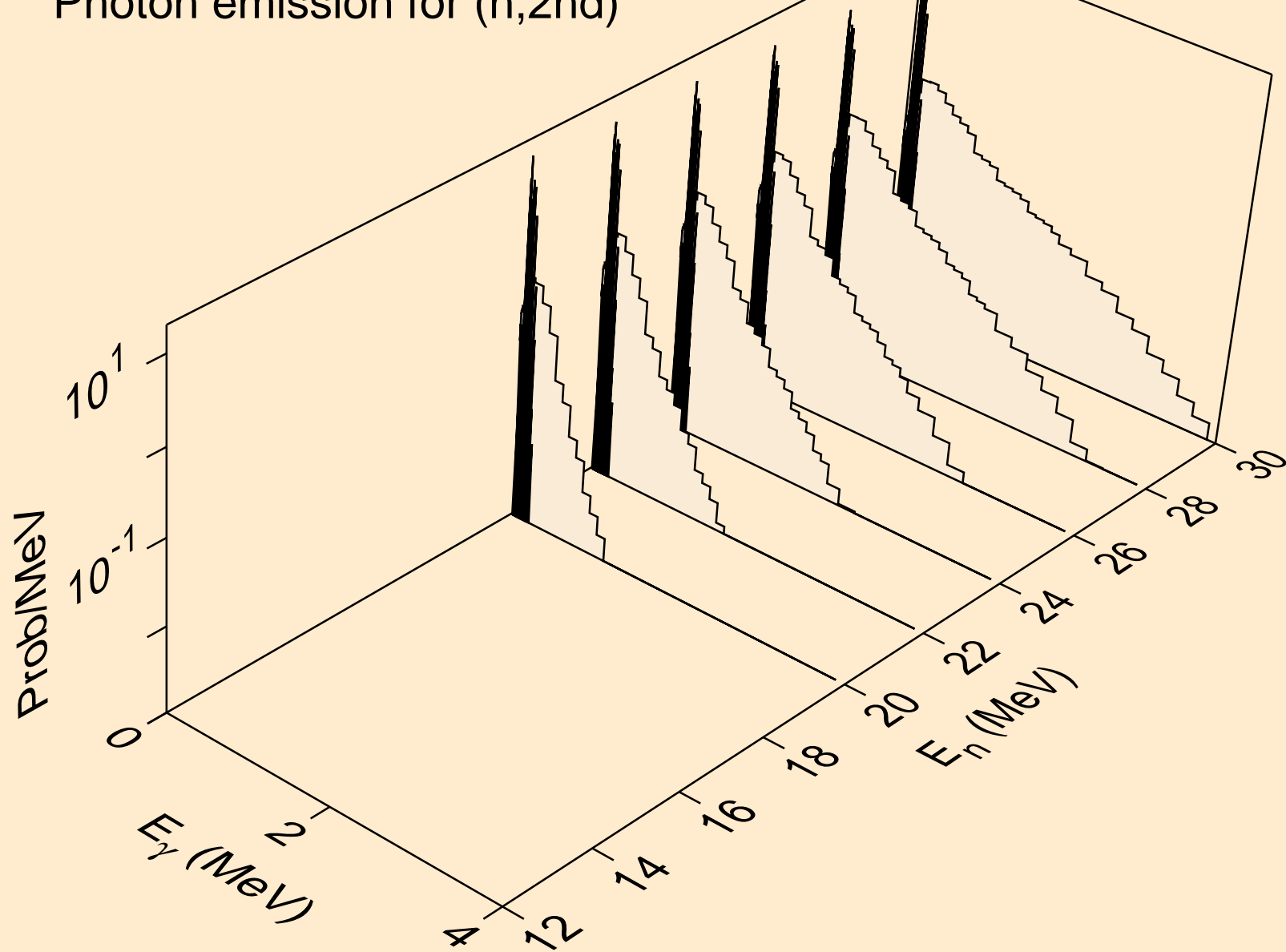
## Delayed neutron spectra



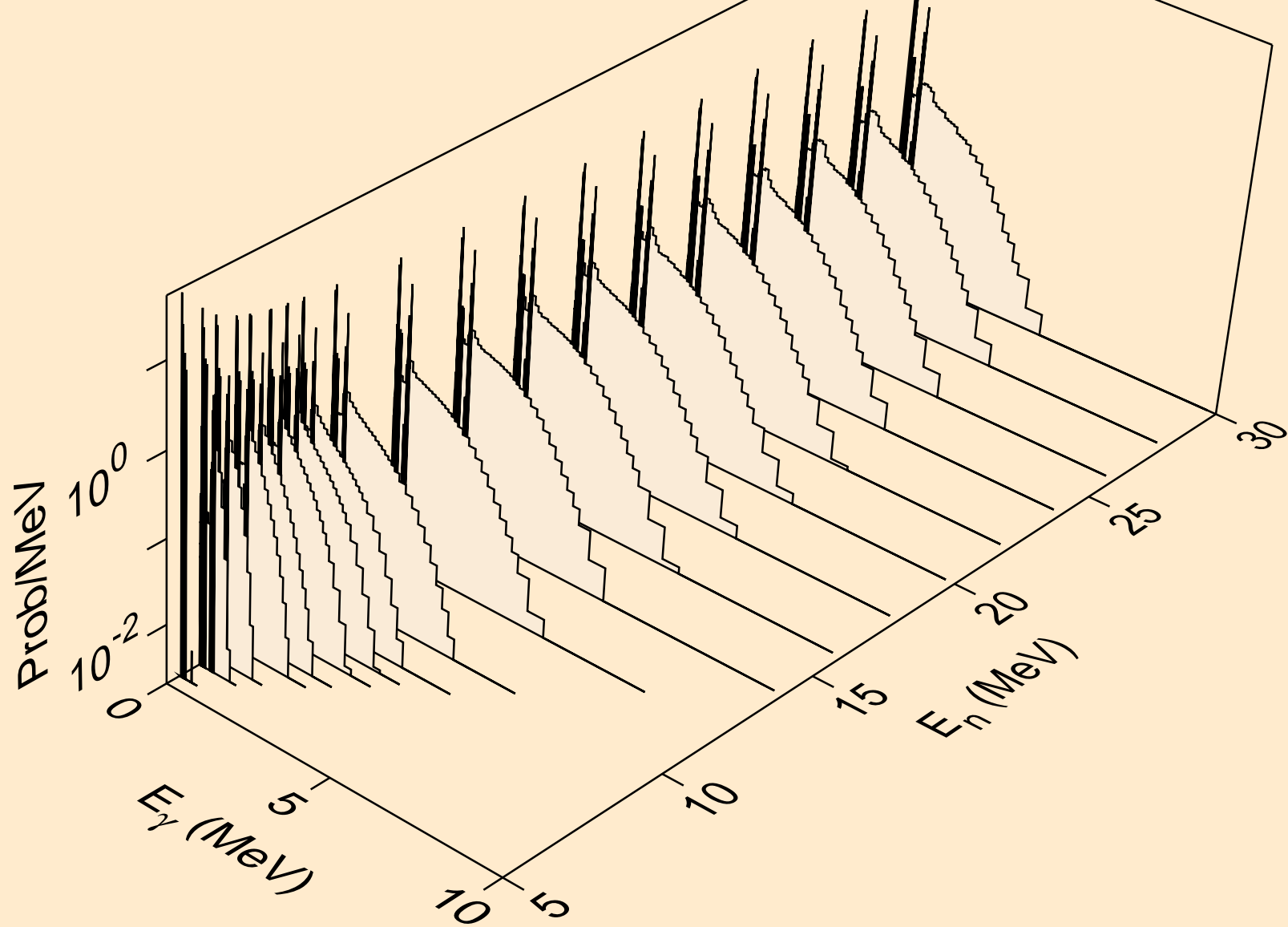
ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,x)



ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2nd)

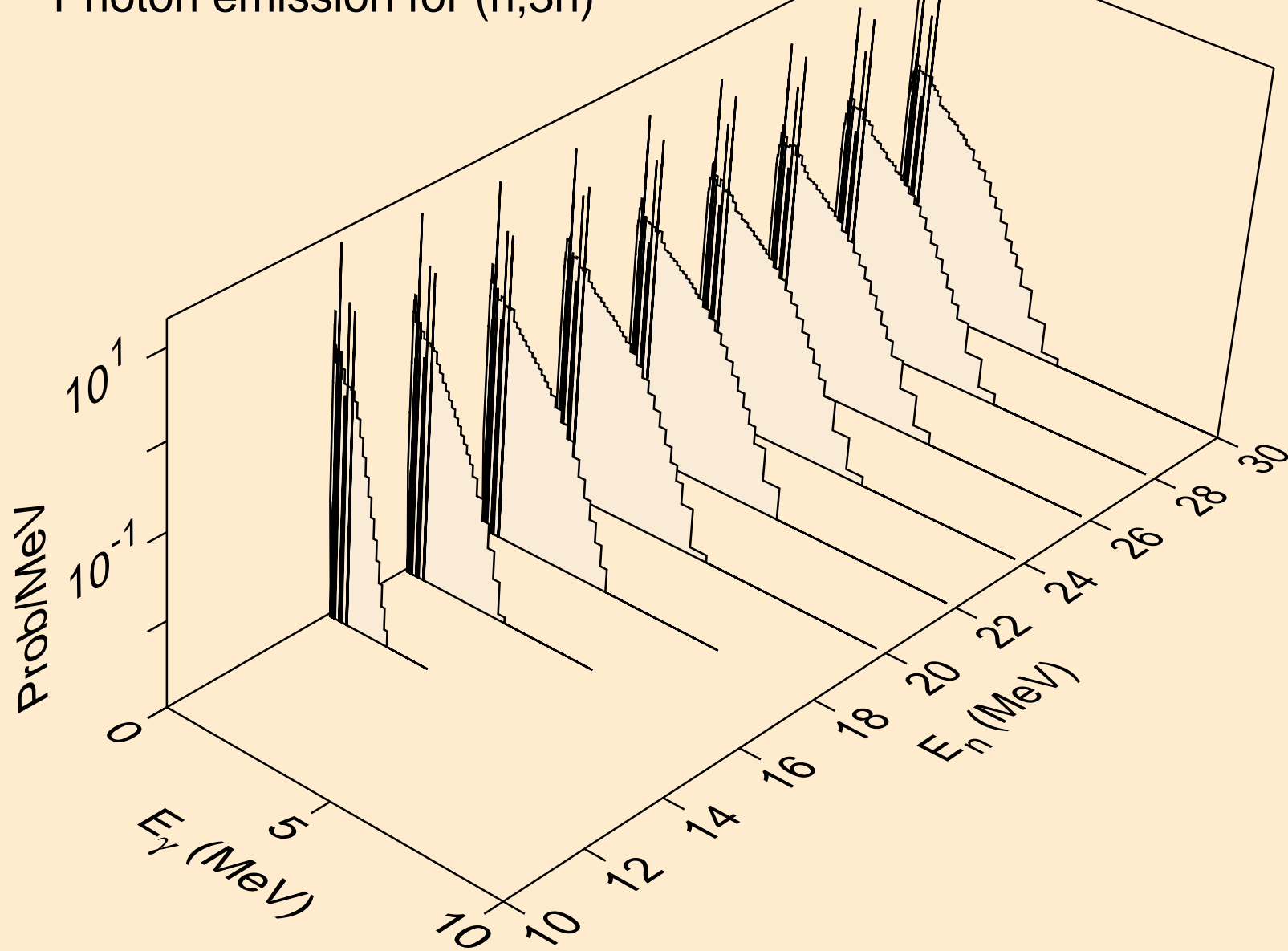


ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2n)

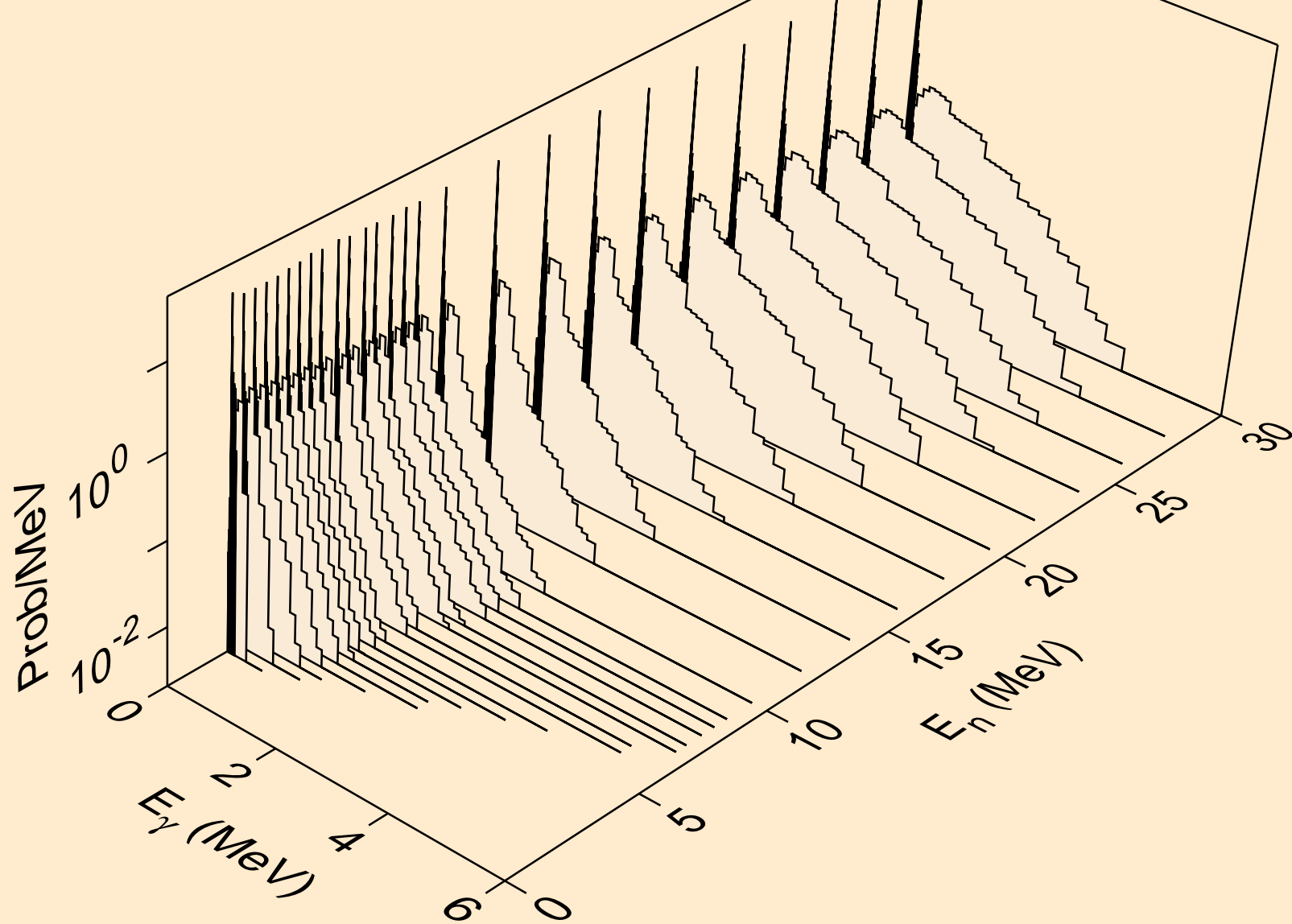




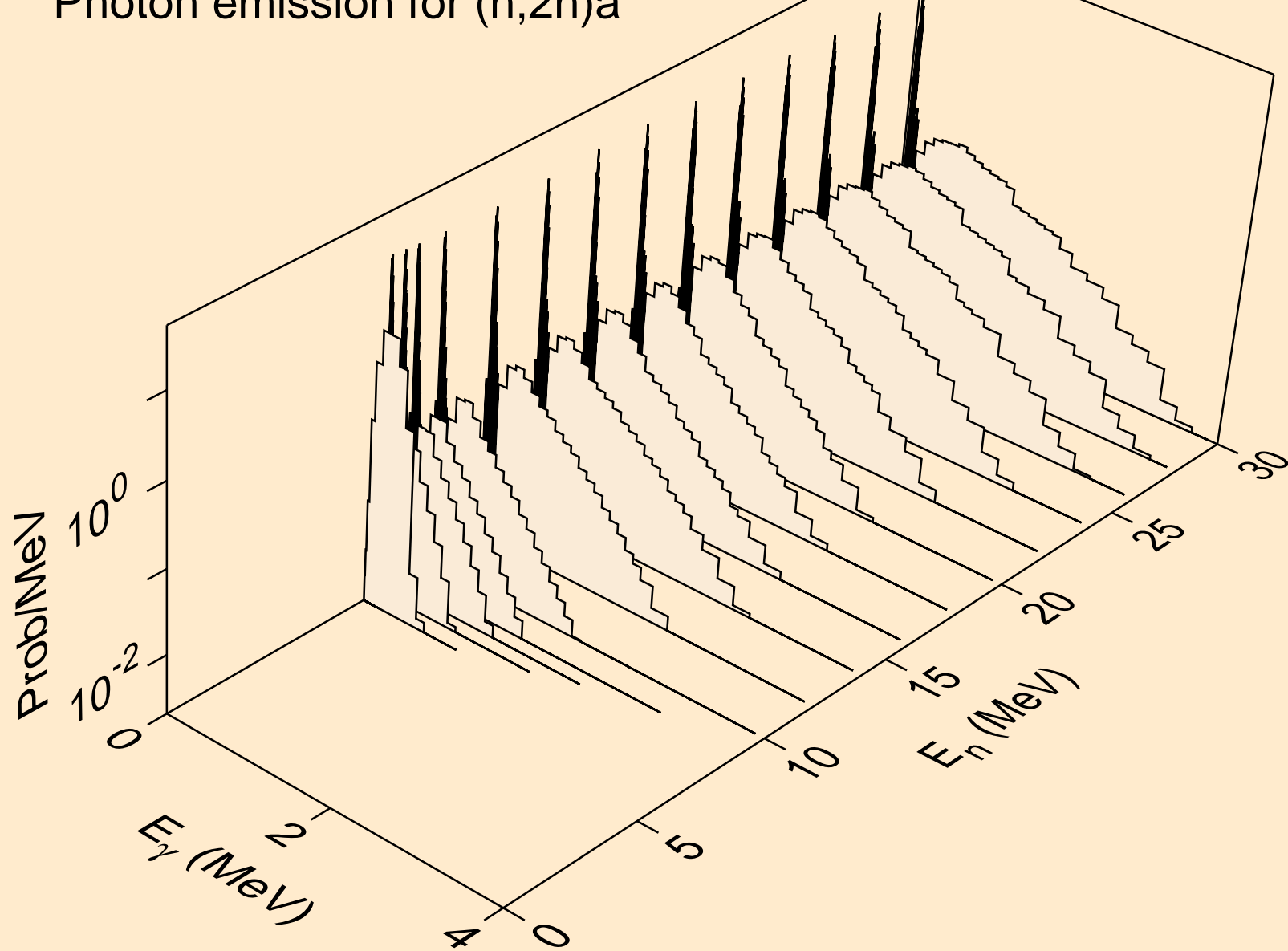
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Photon emission for (n,3n)



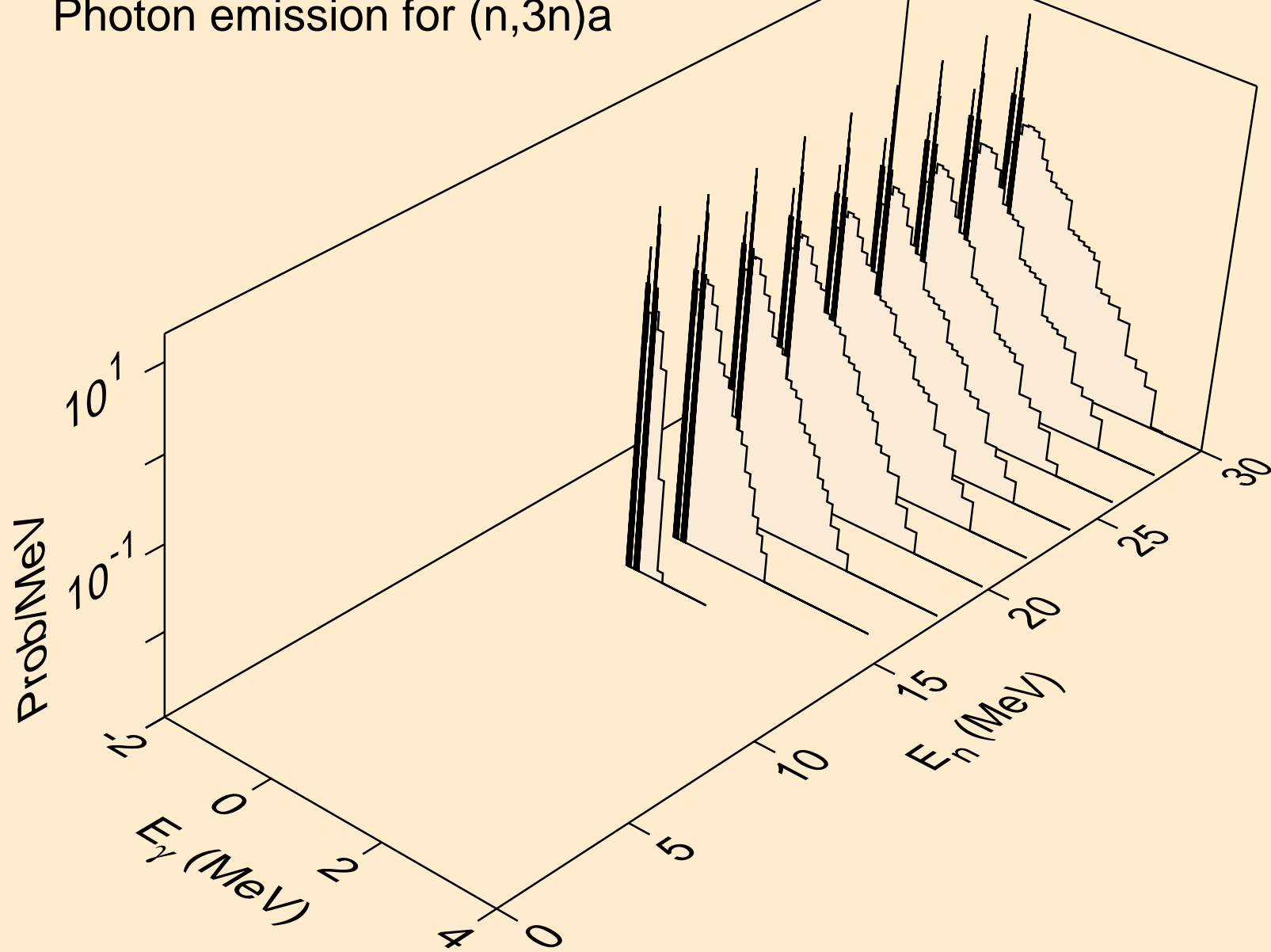
ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)a



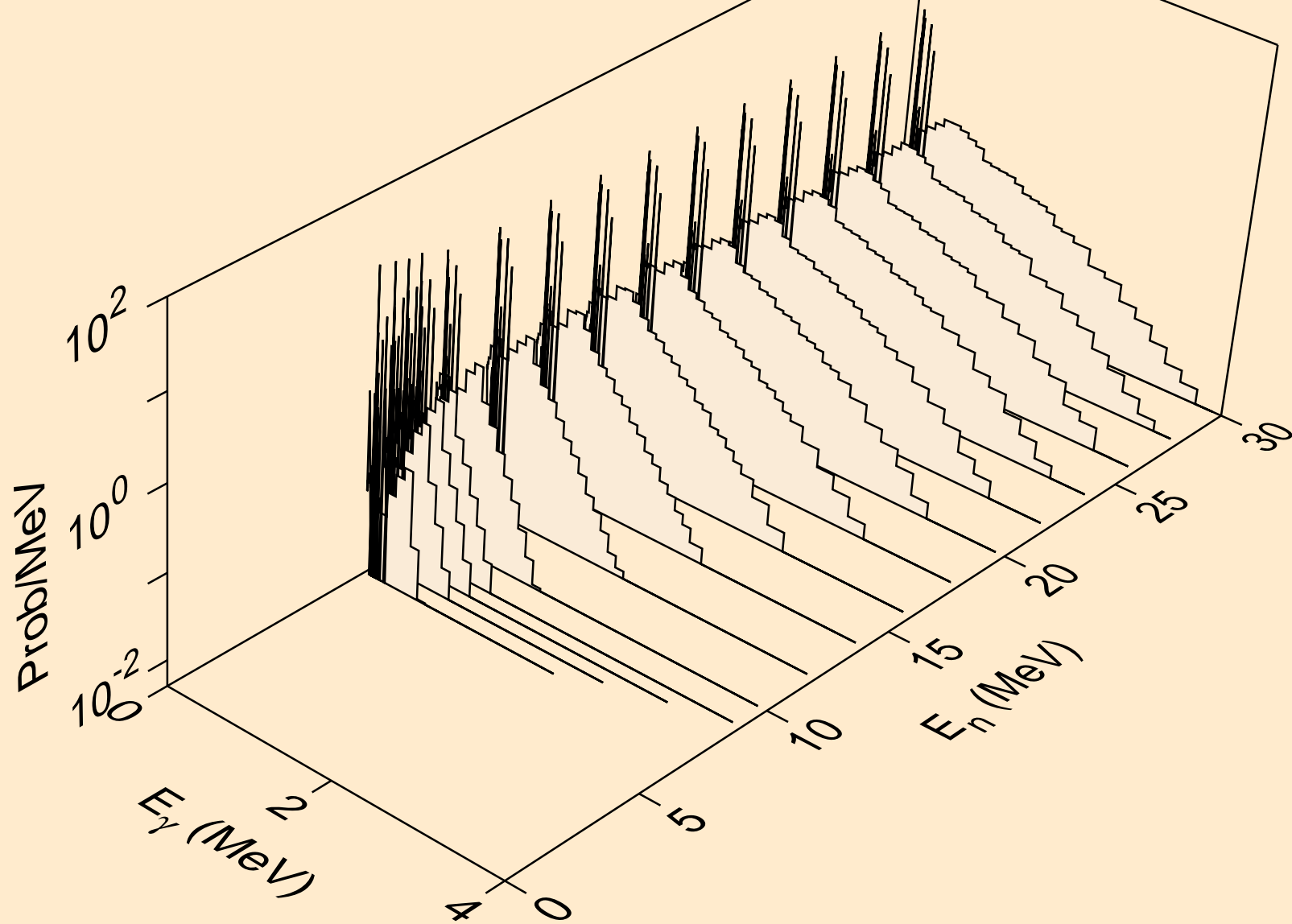
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Photon emission for (n,2n)a



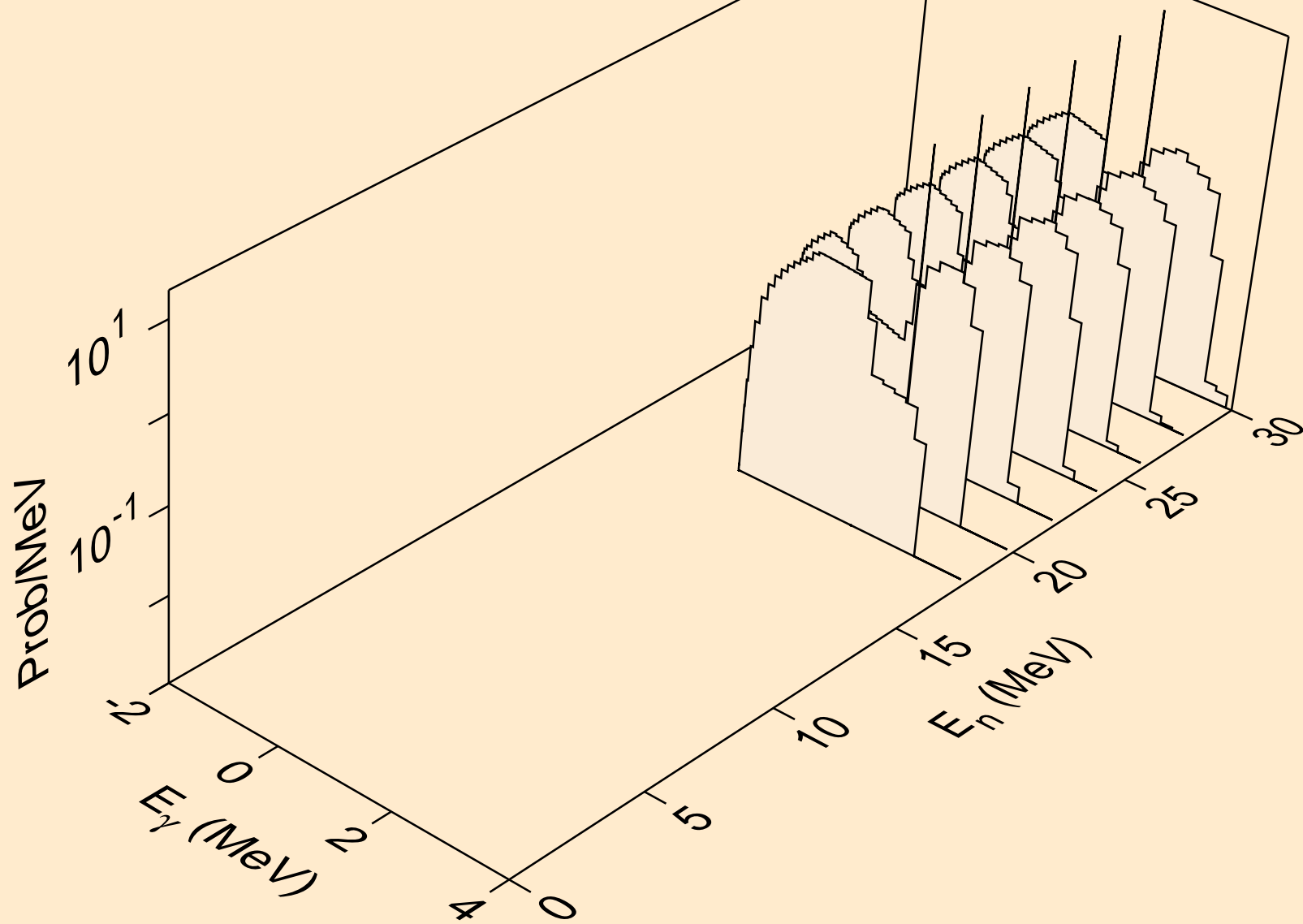
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Photon emission for (n,3n)a



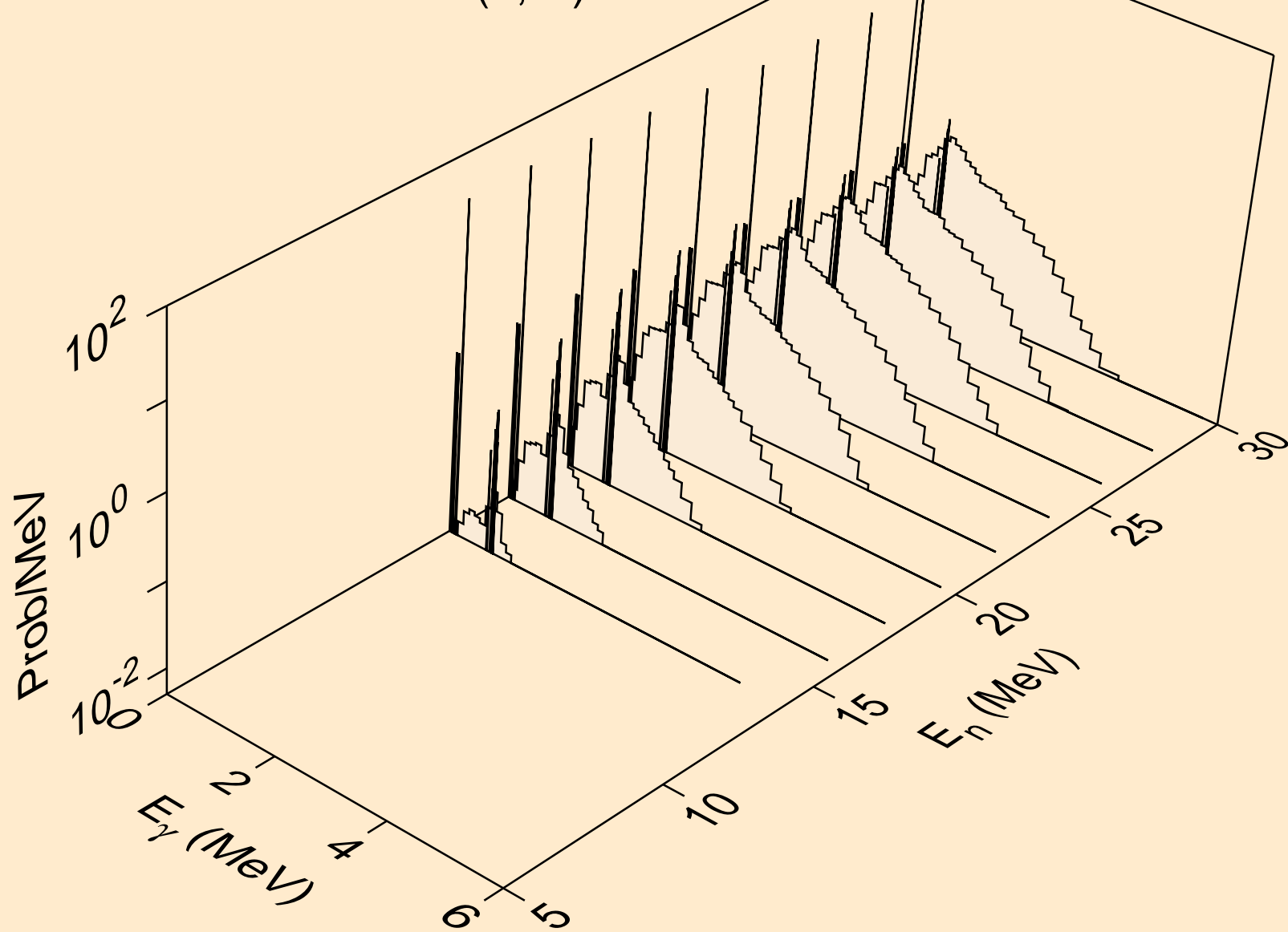
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Photon emission for (n,n\*)p



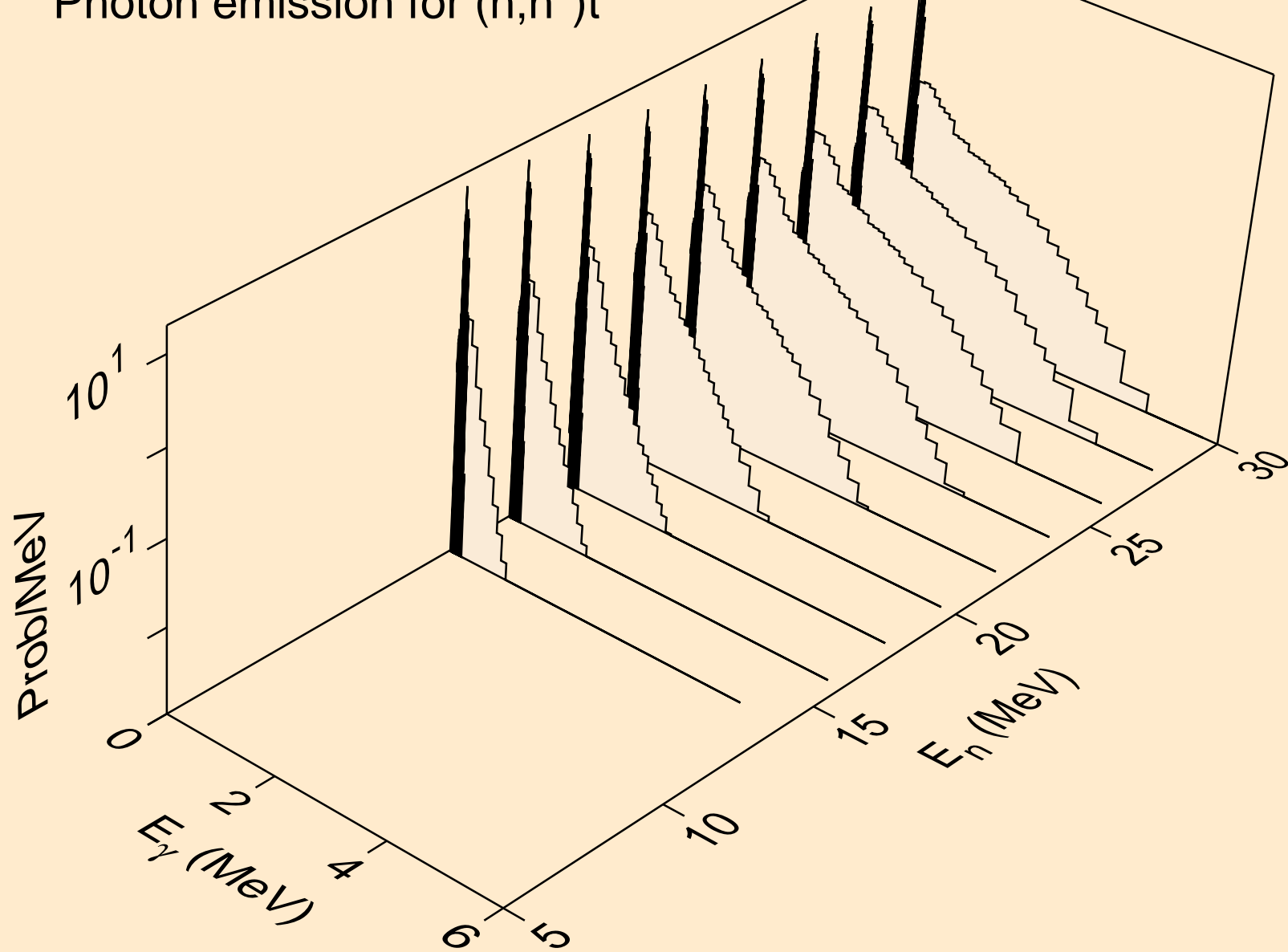
ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)2a



ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)d

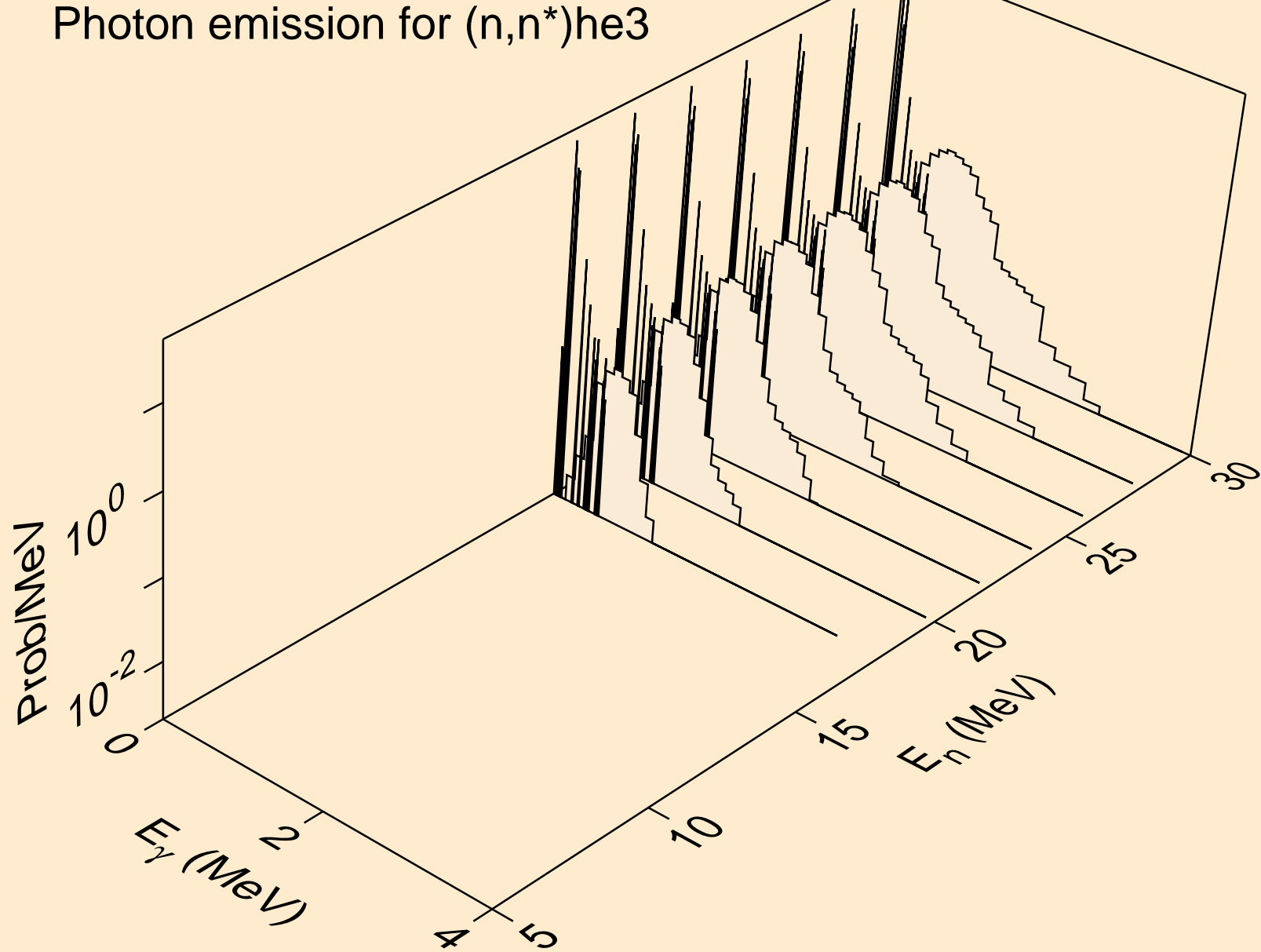


ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)t

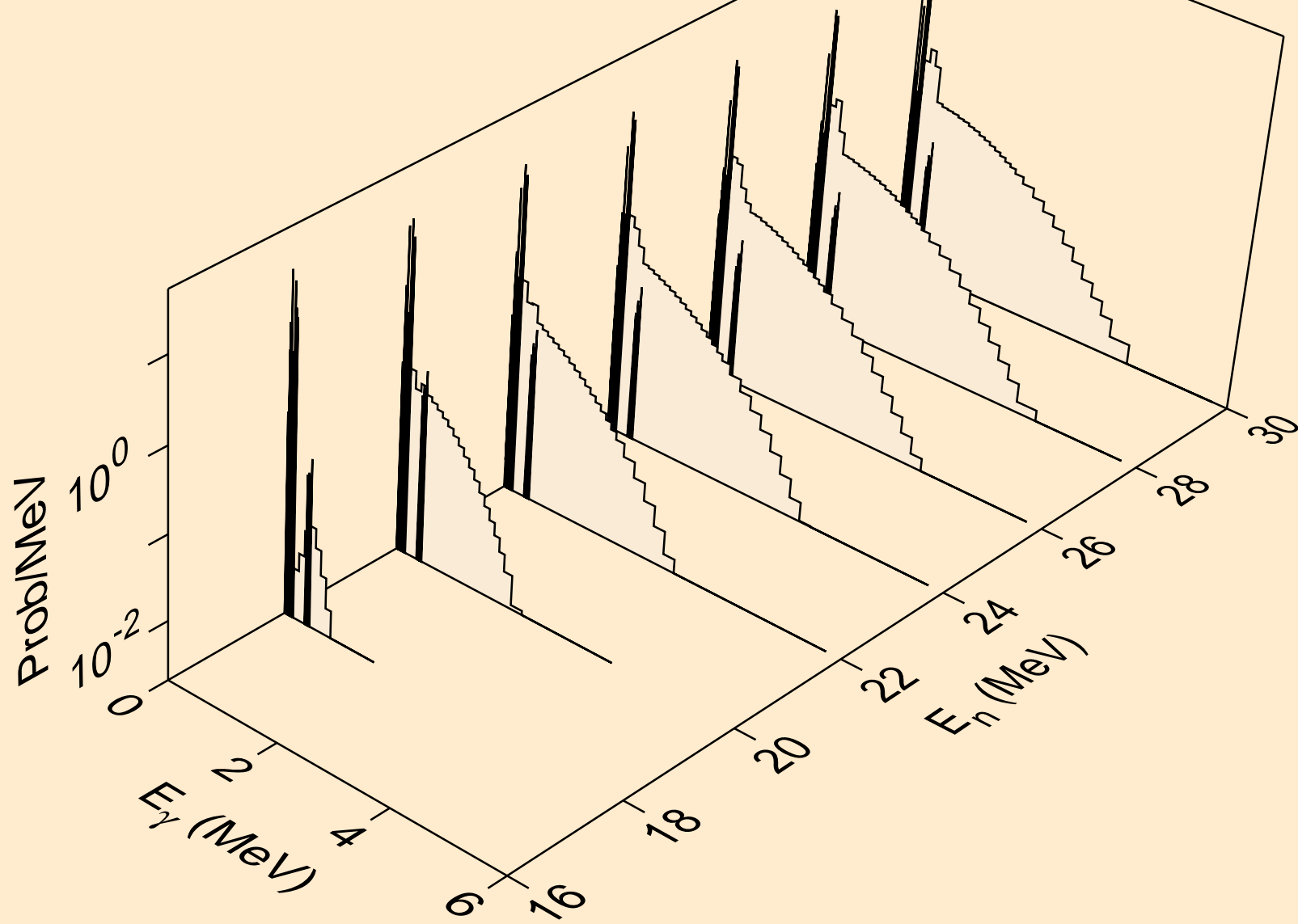




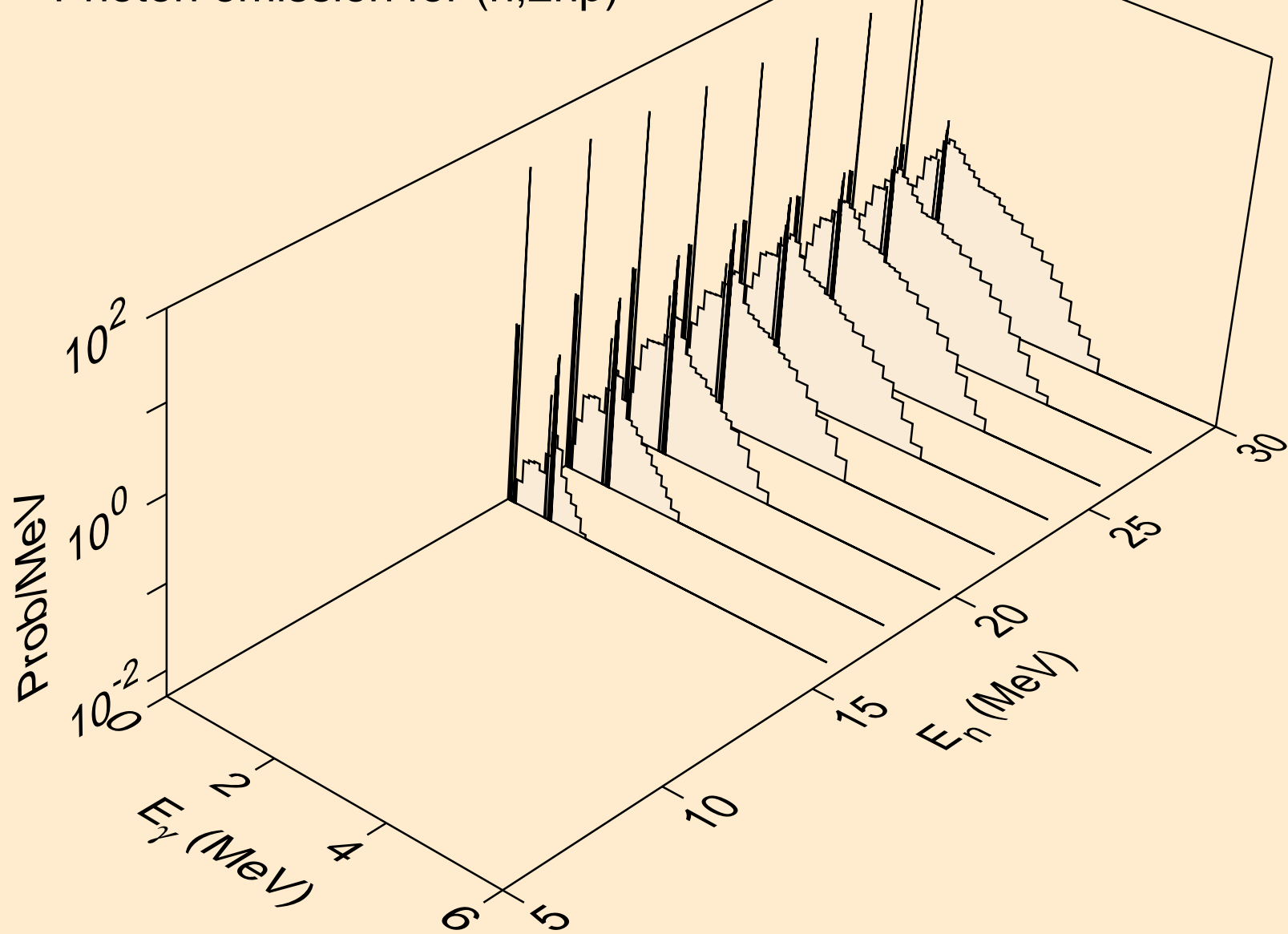
ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)he3



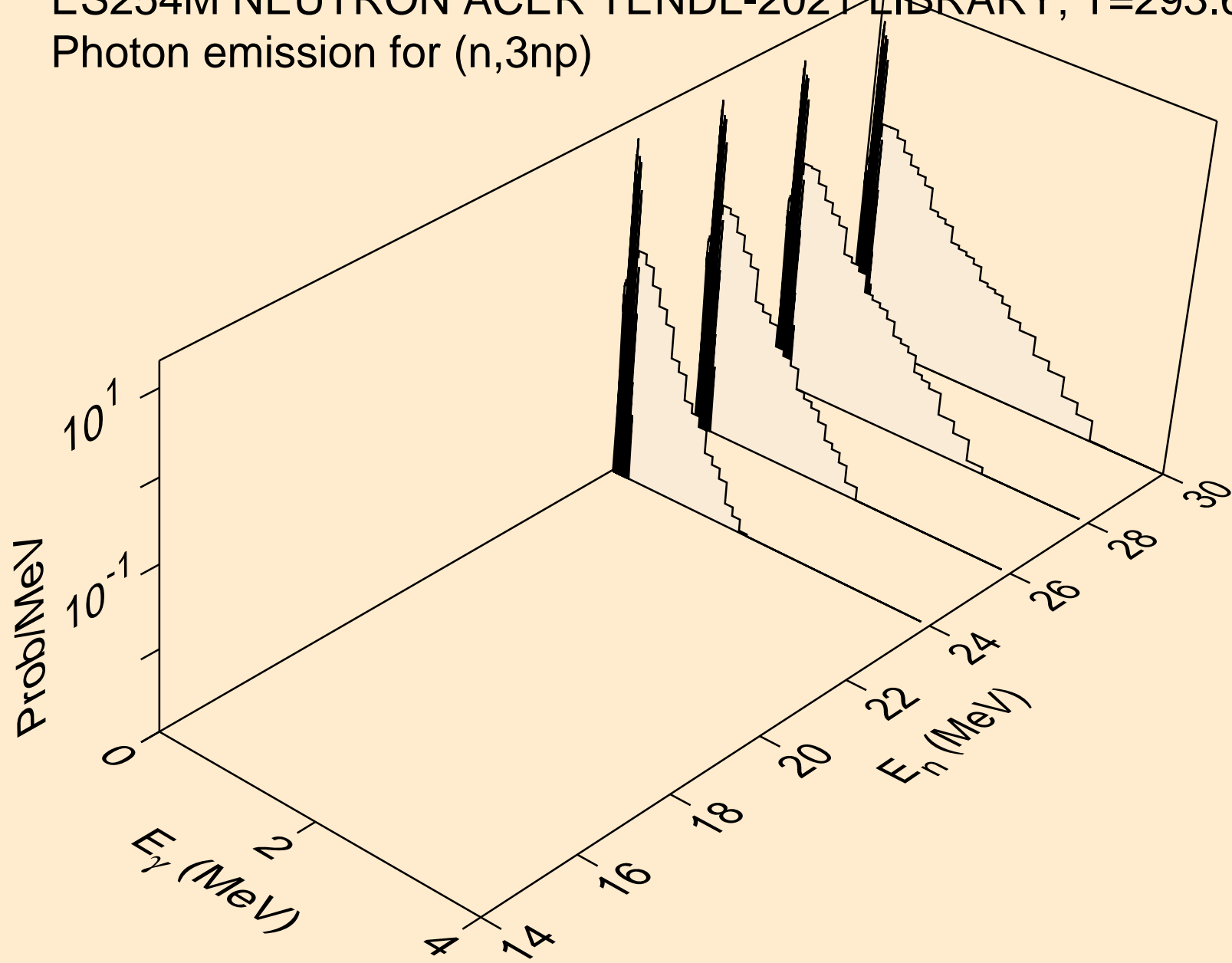
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Photon emission for (n,4n)



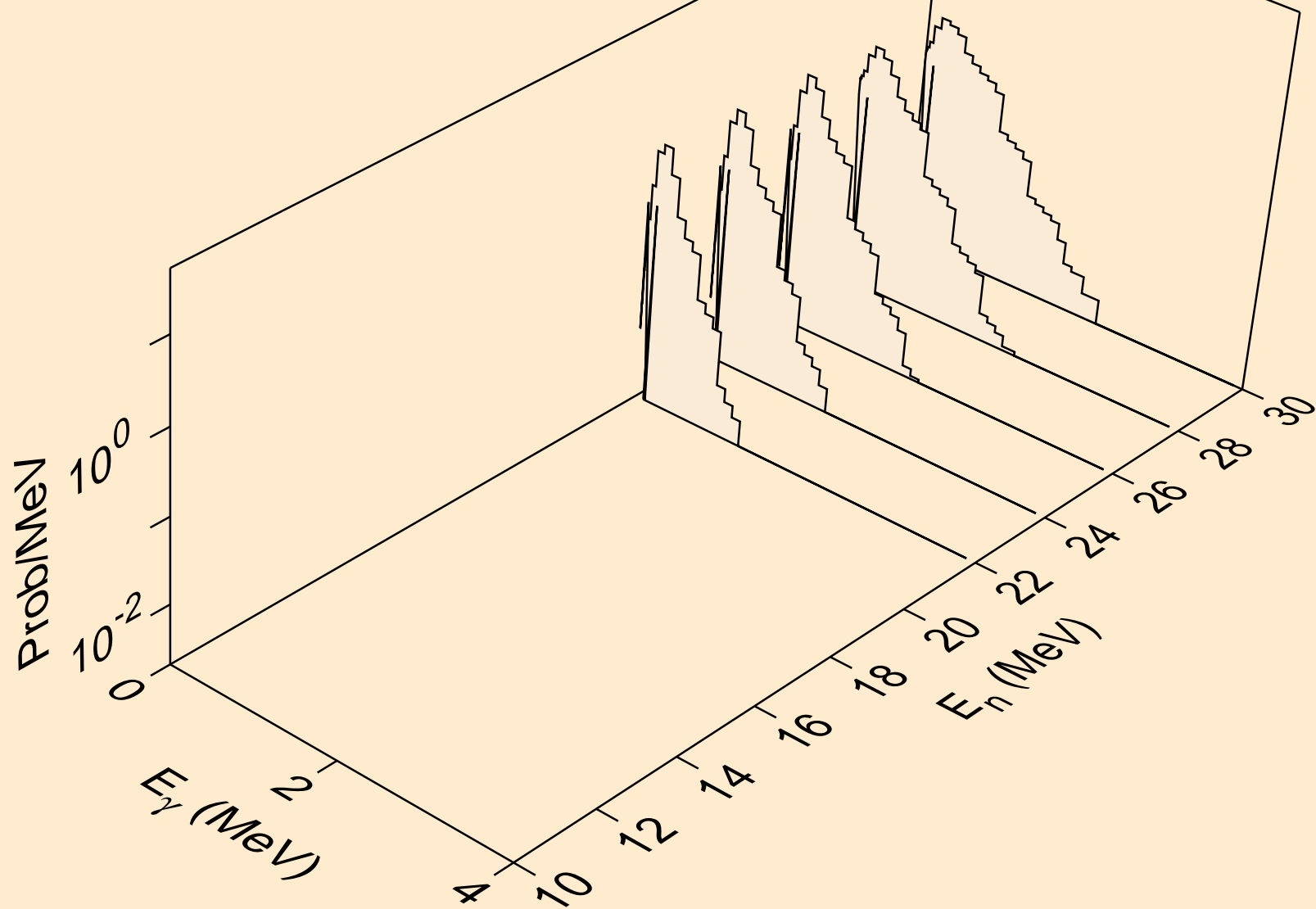
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Photon emission for (n,2np)



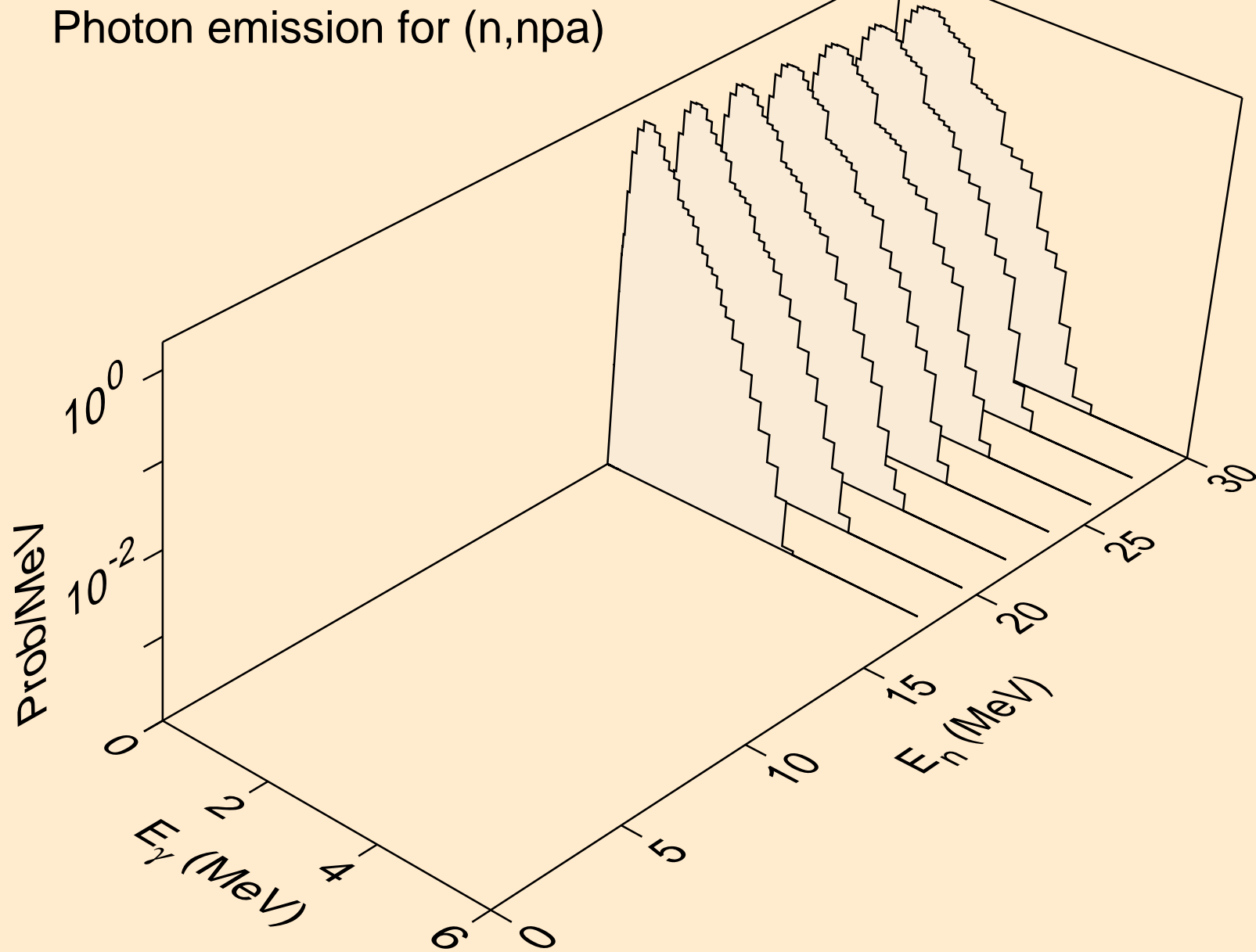
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Photon emission for (n,3np)



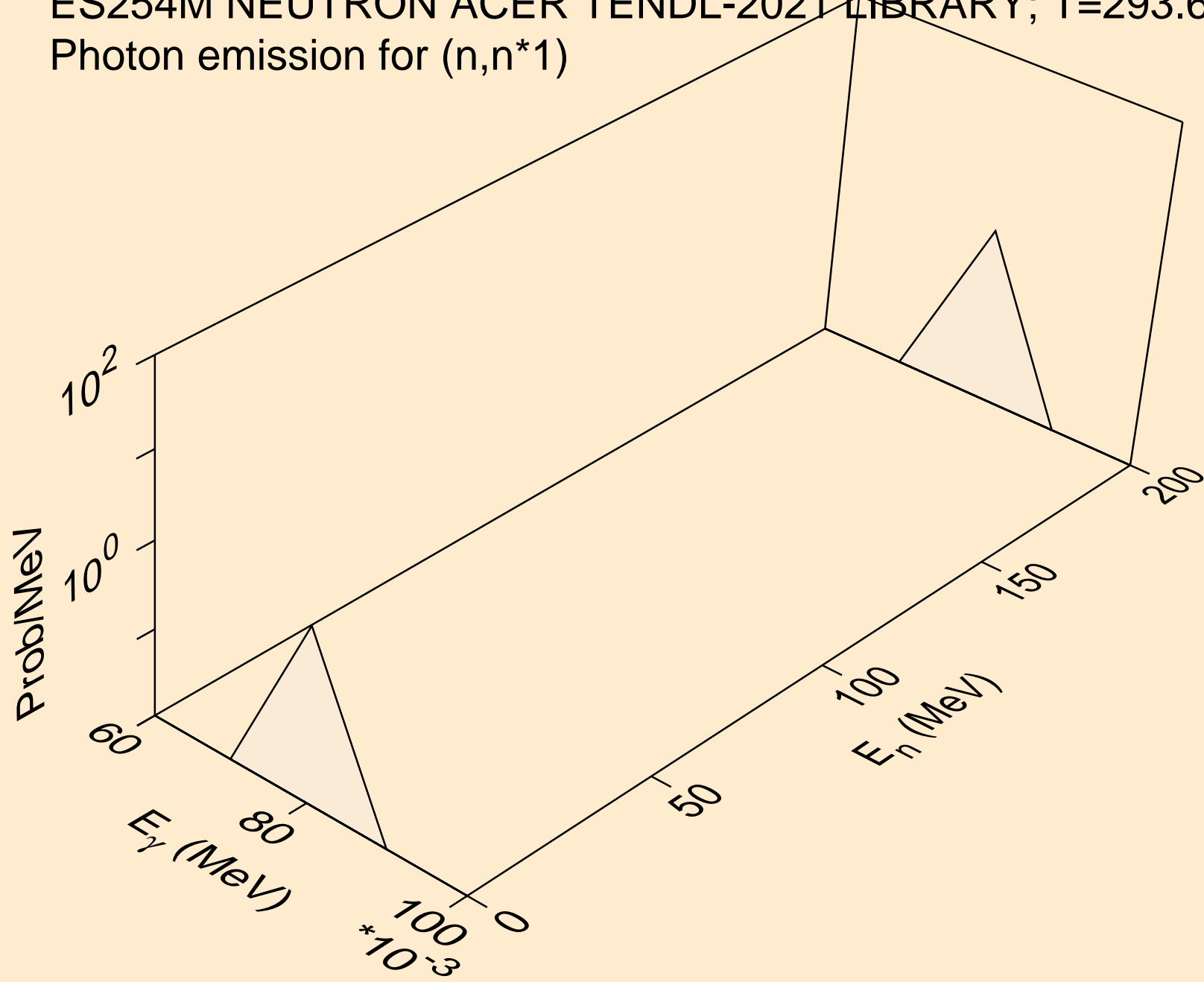
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Photon emission for (n,2np)



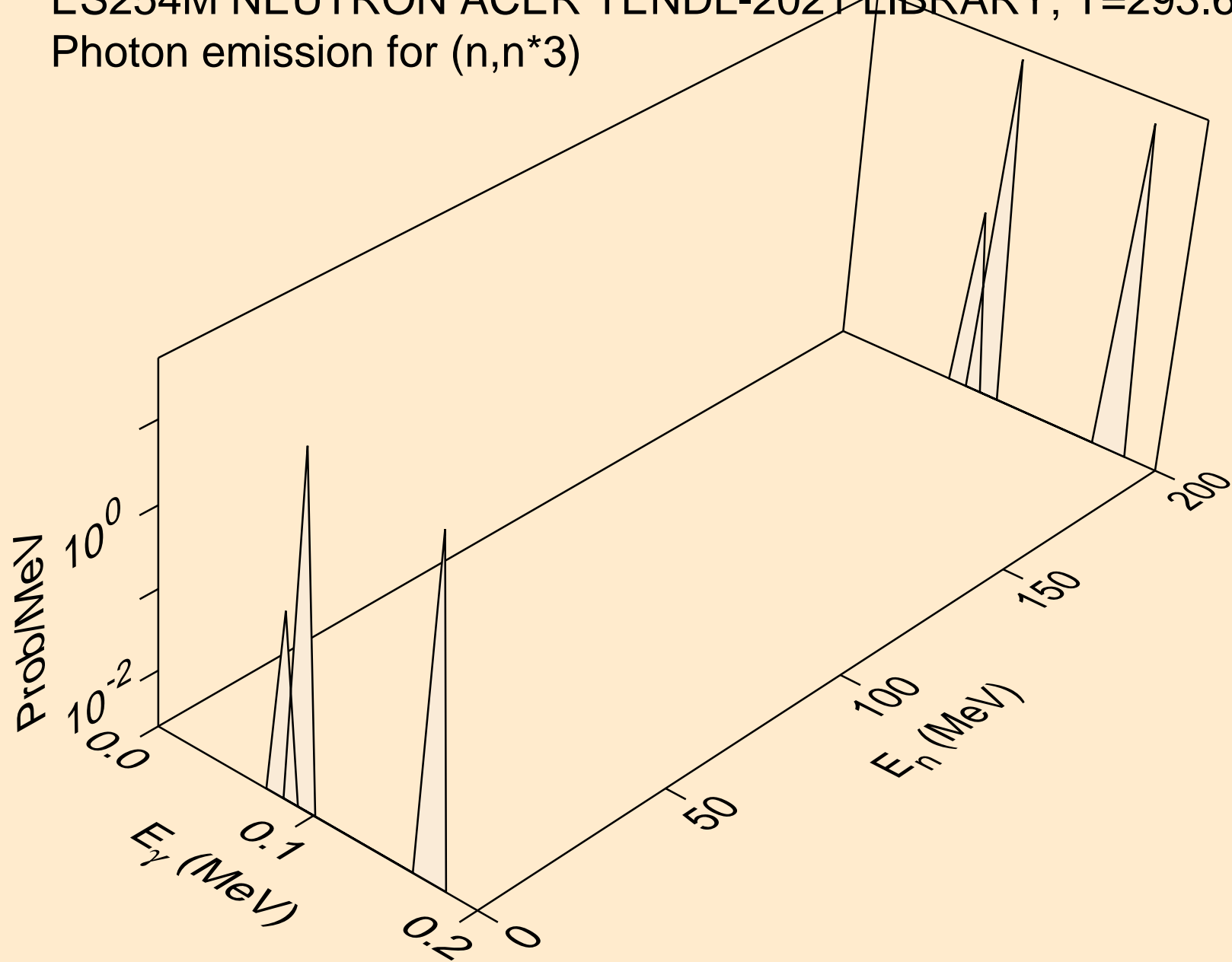
ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,npa)



ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*1)

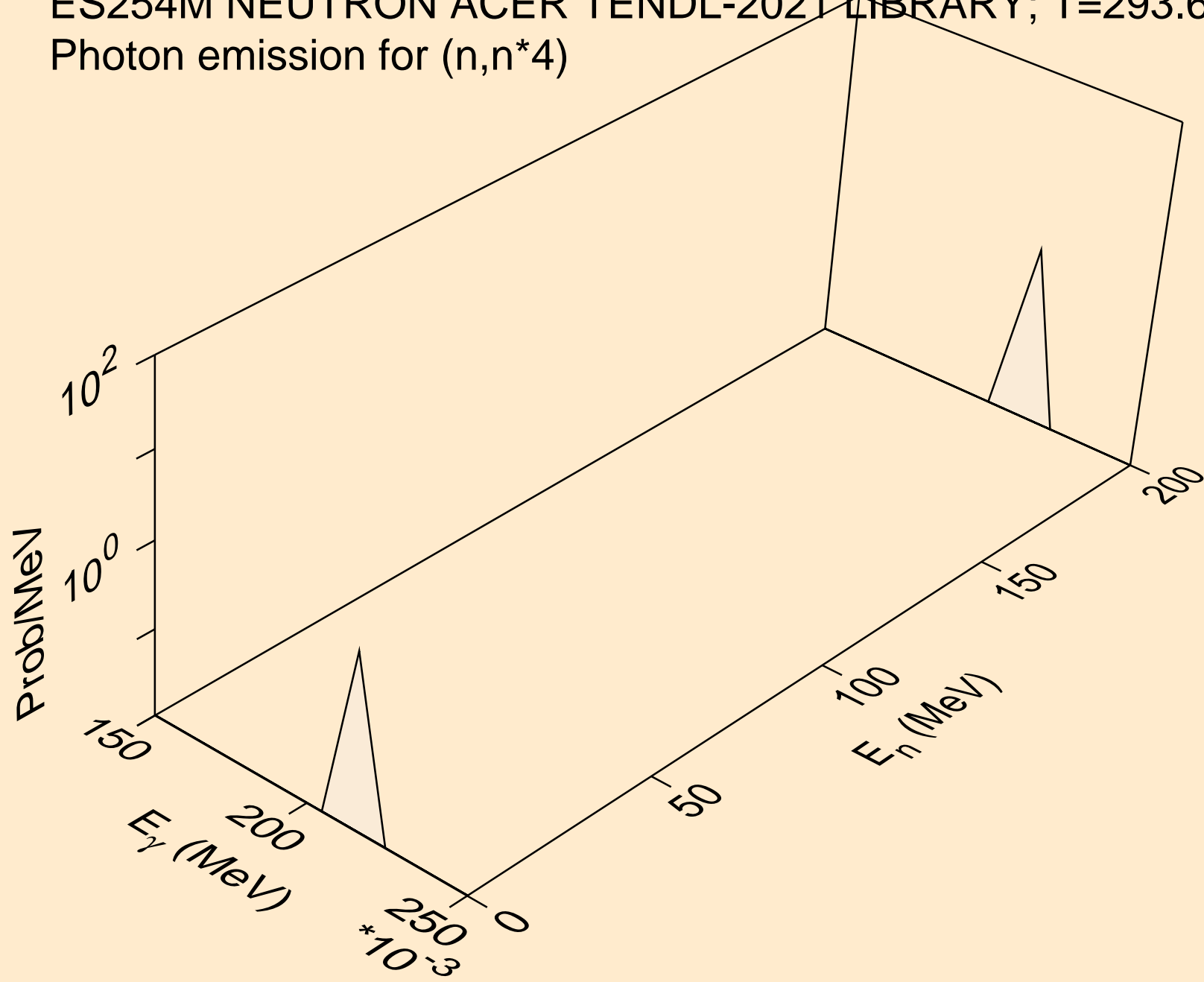


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Photon emission for (n,n\*3)

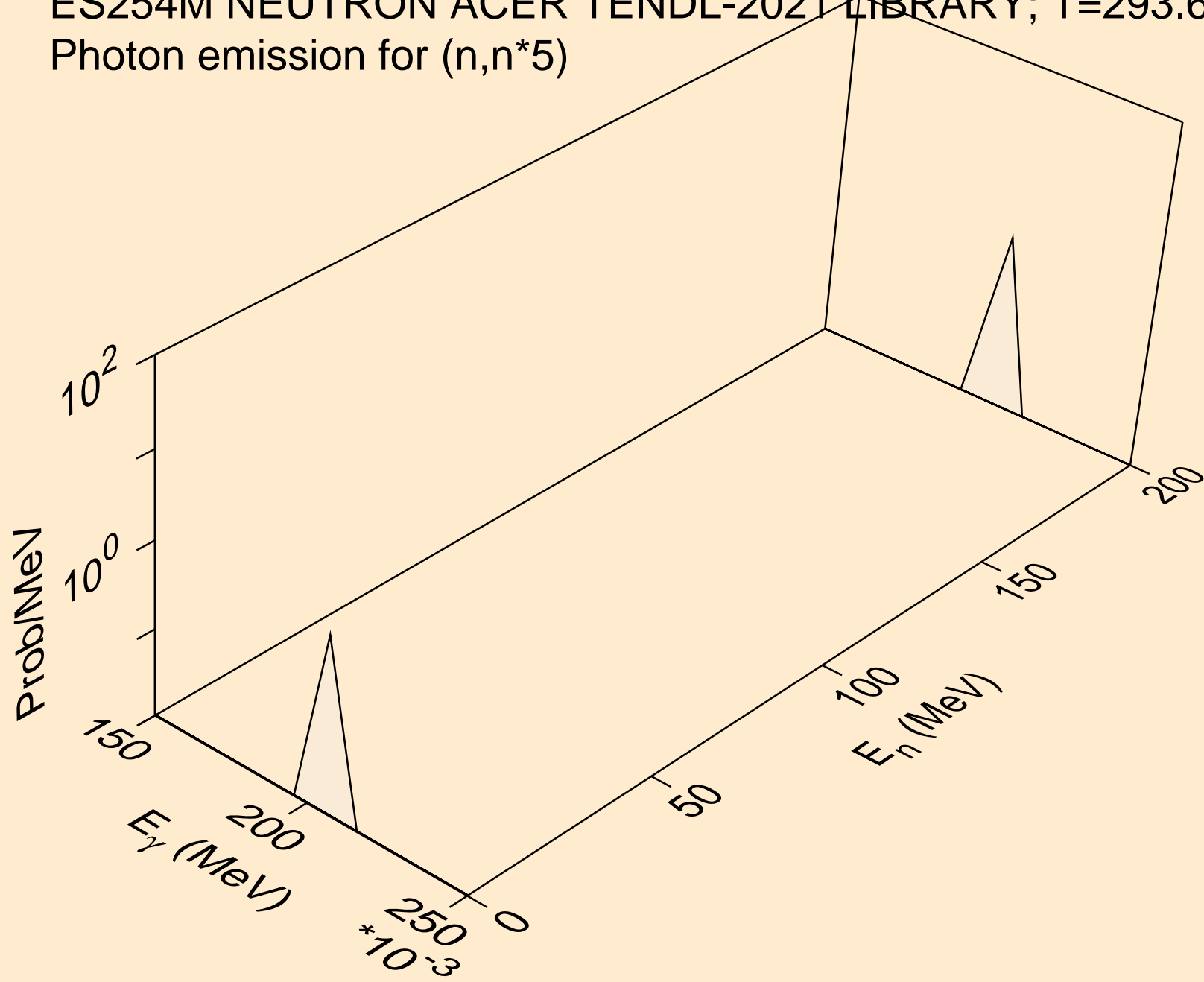




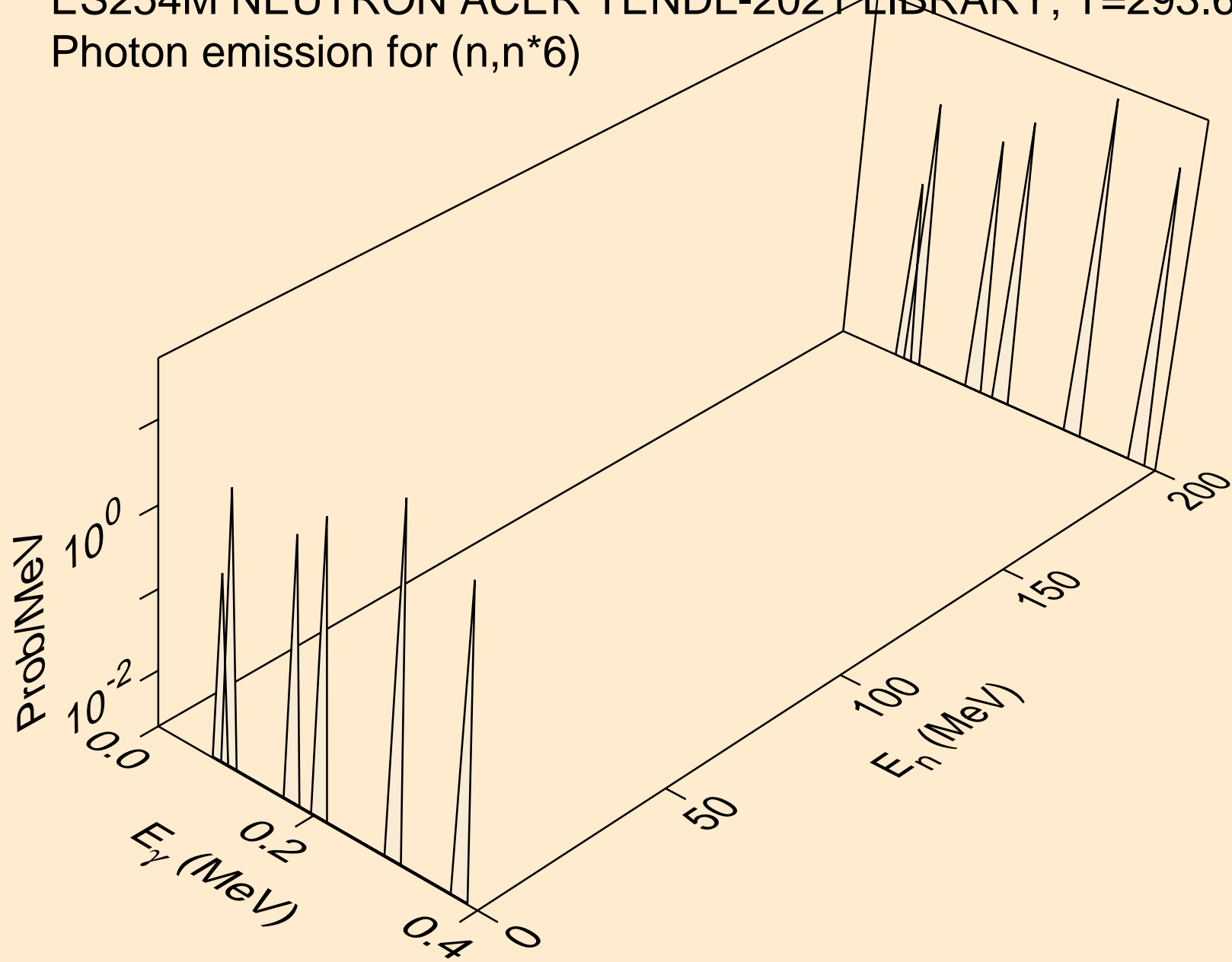
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Photon emission for (n,n\*4)



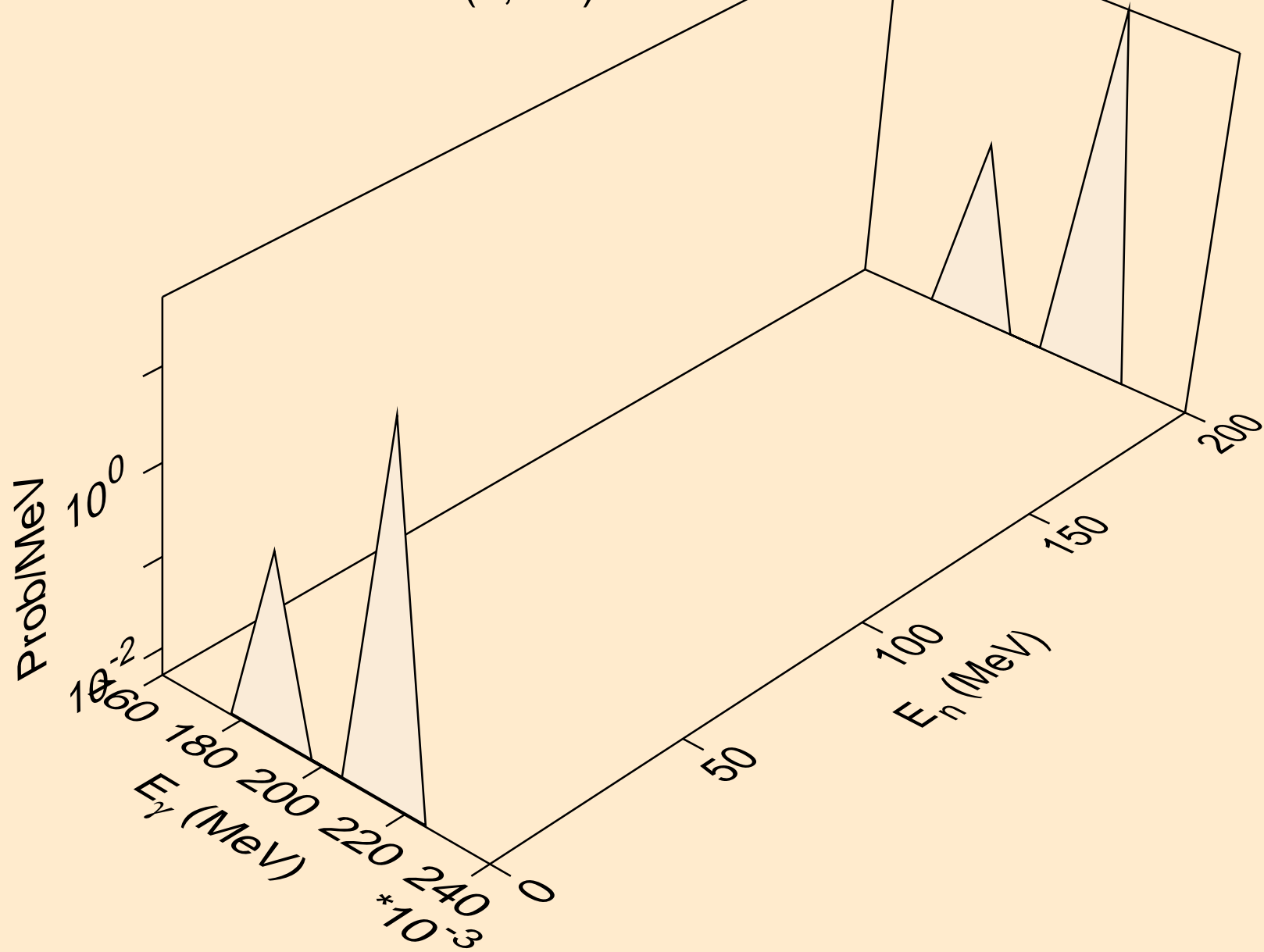
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Photon emission for (n,n\*5)



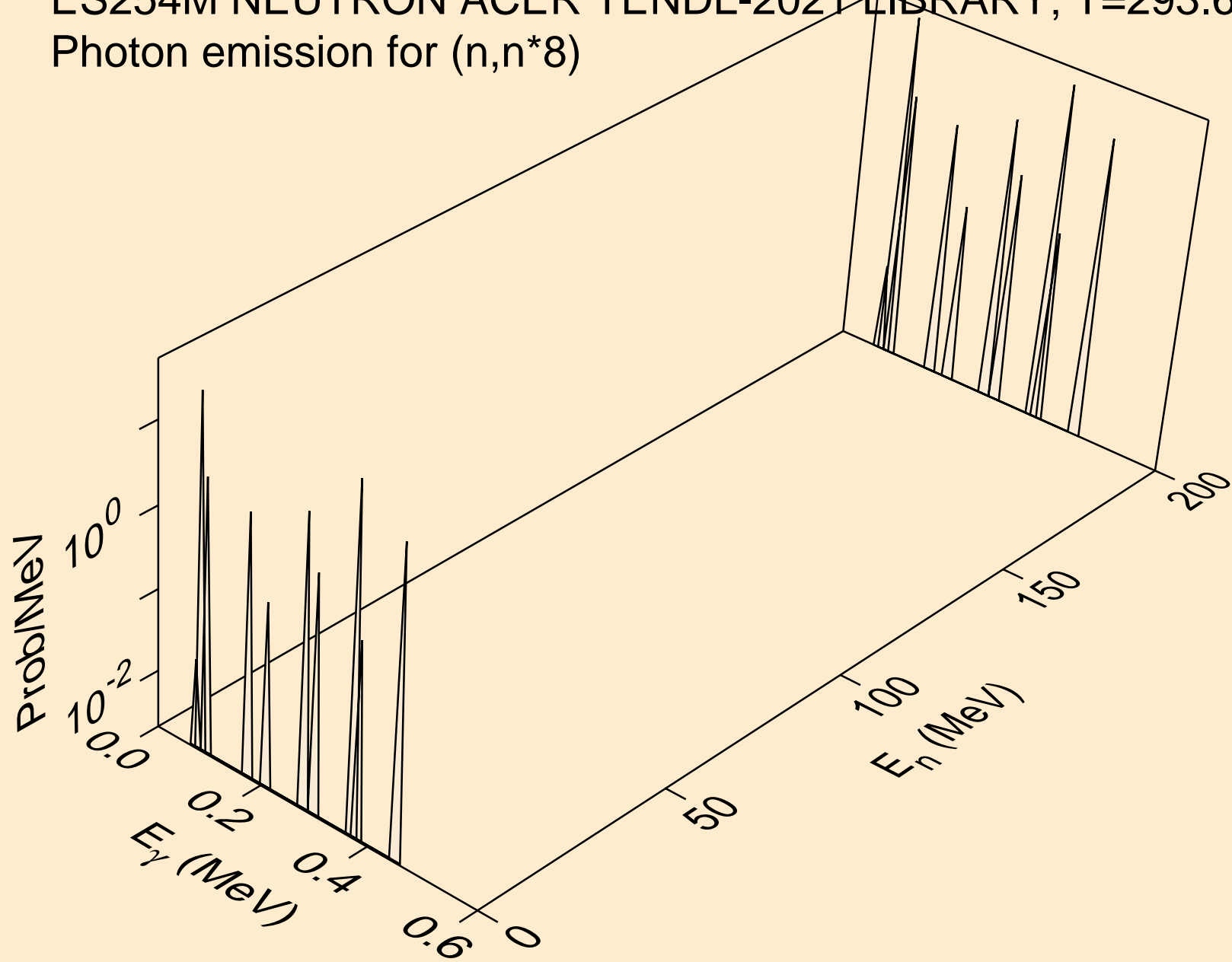
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Photon emission for (n,n\*6)



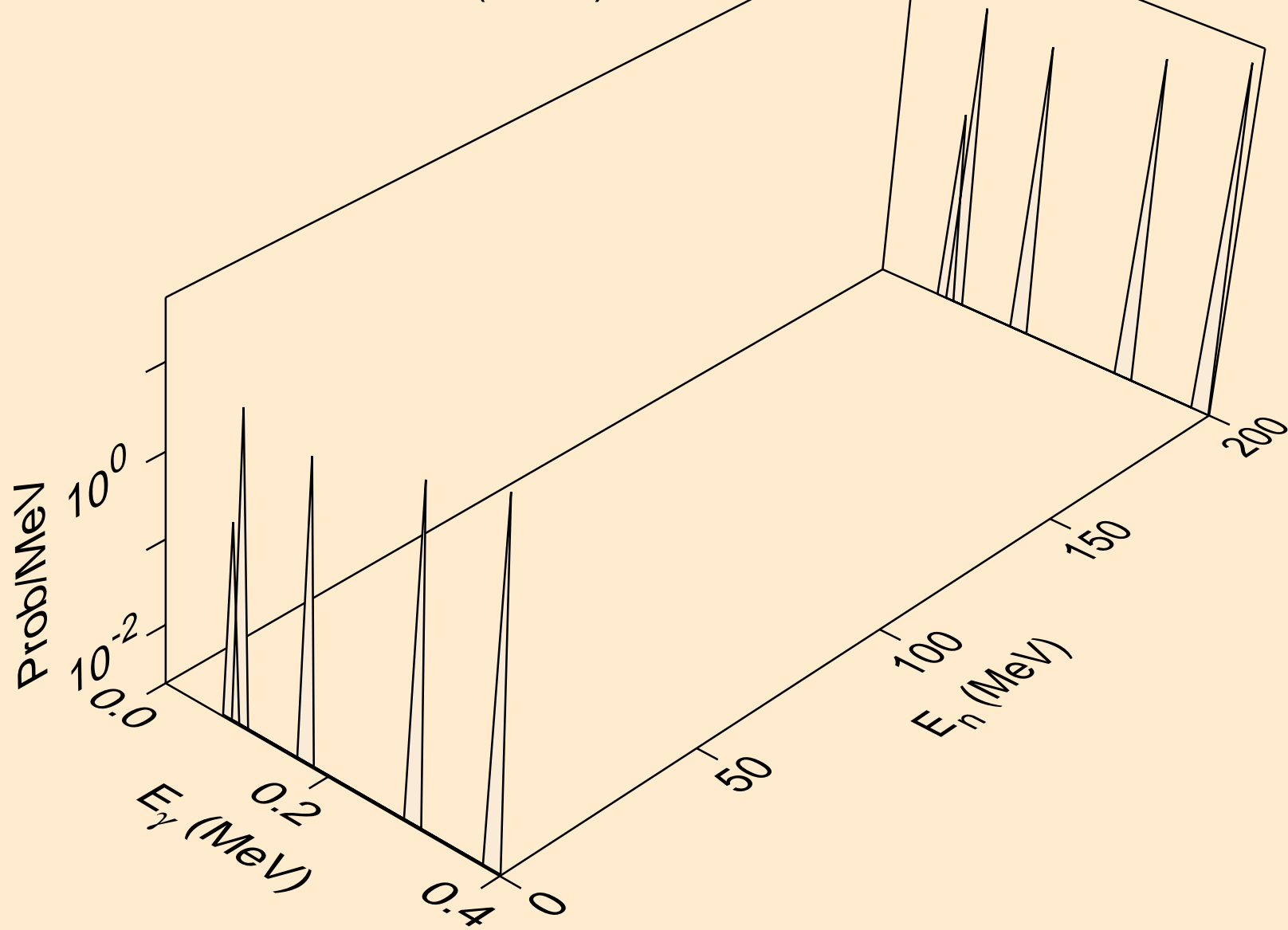
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Photon emission for (n,n\*7)



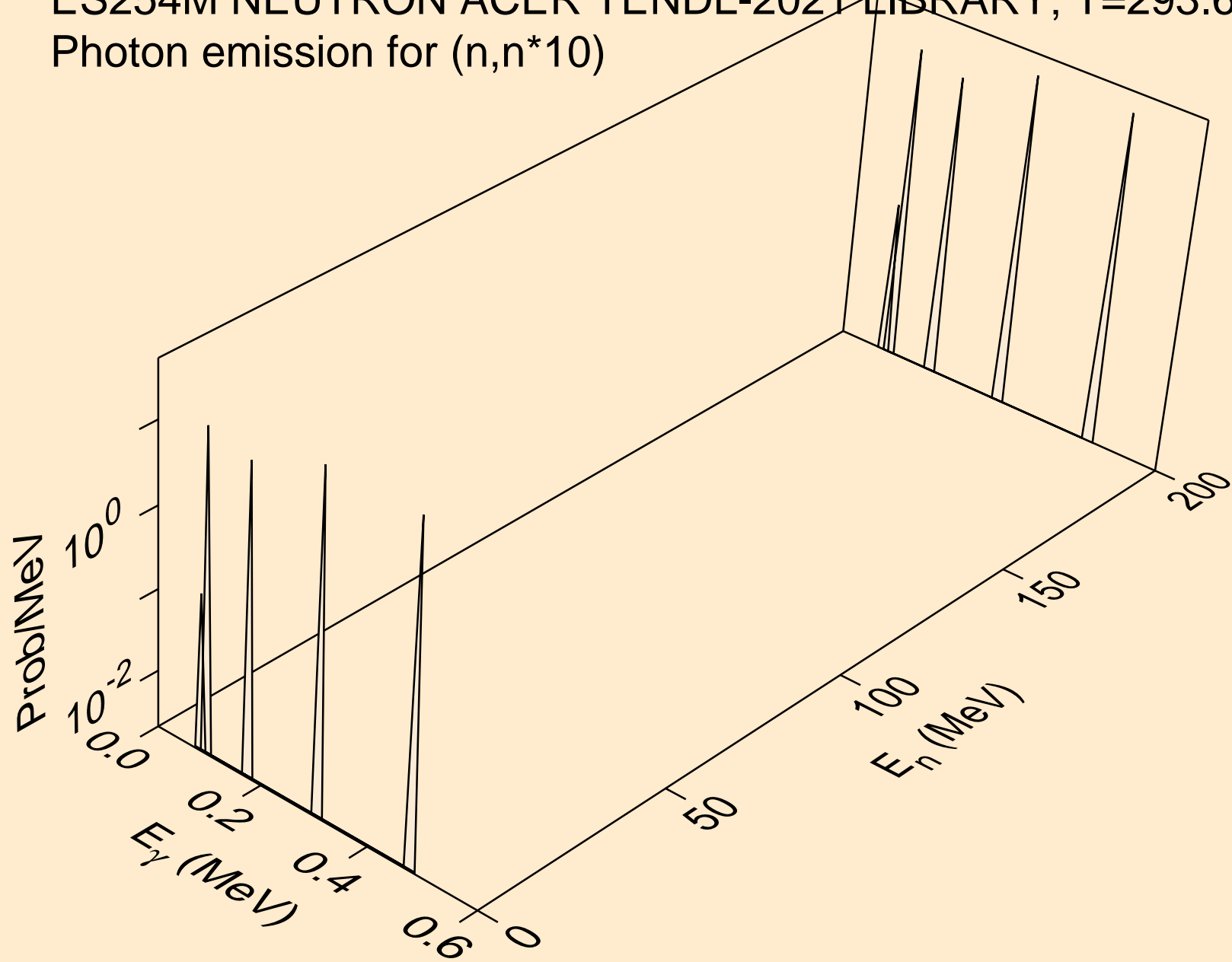
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Photon emission for (n,n\*8)



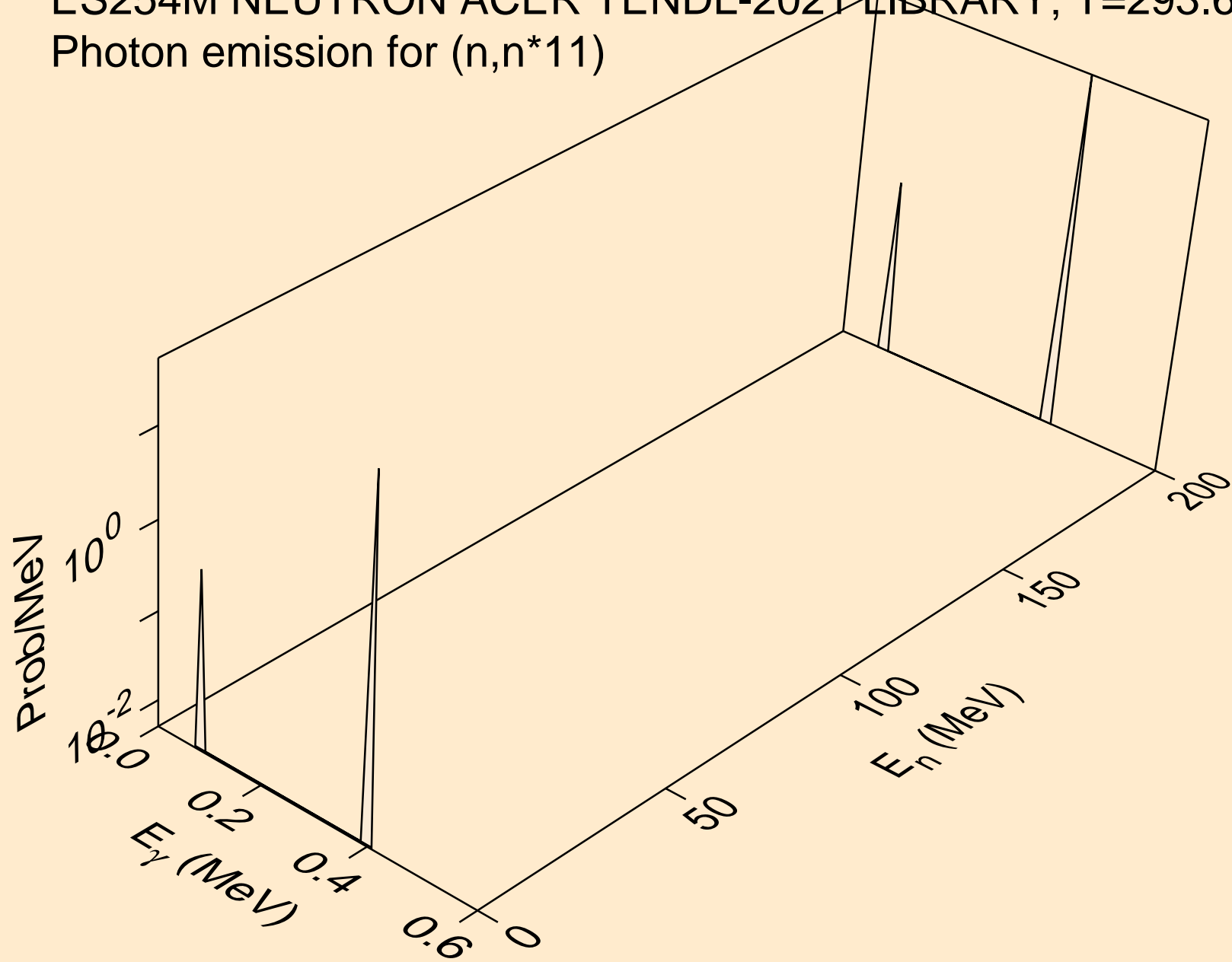
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Photon emission for (n,n\*9)



ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*10)

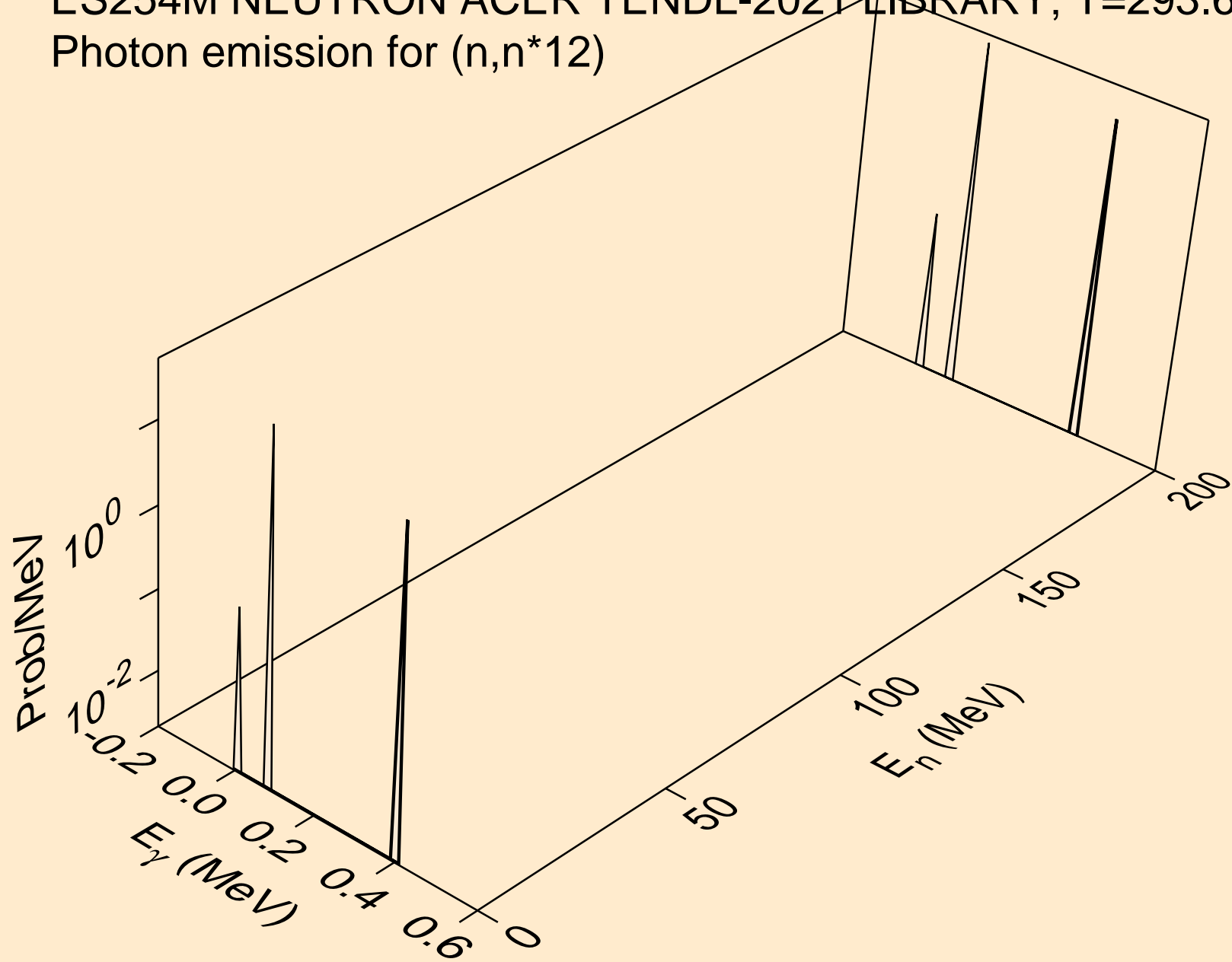


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Photon emission for (n,n\*11)

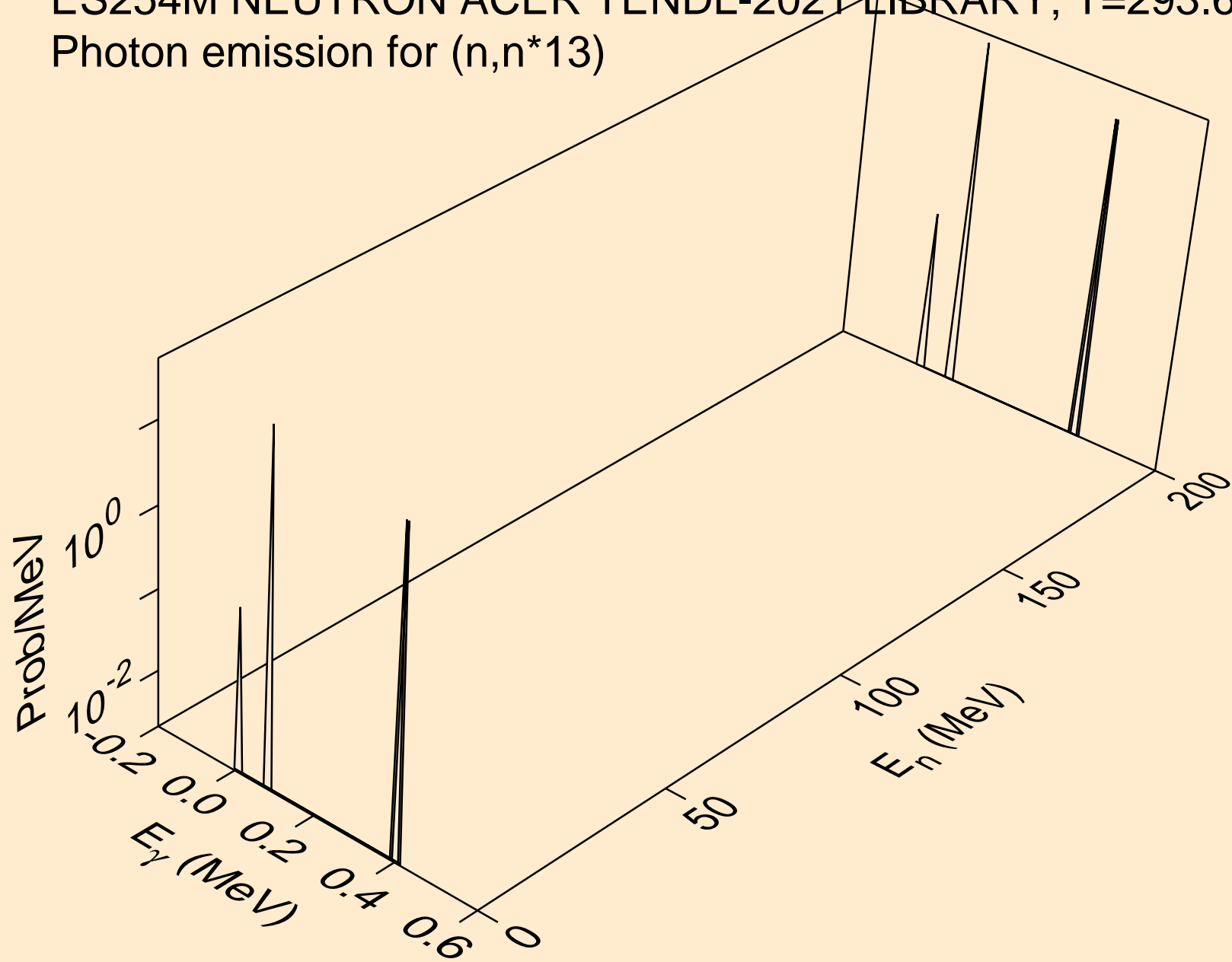




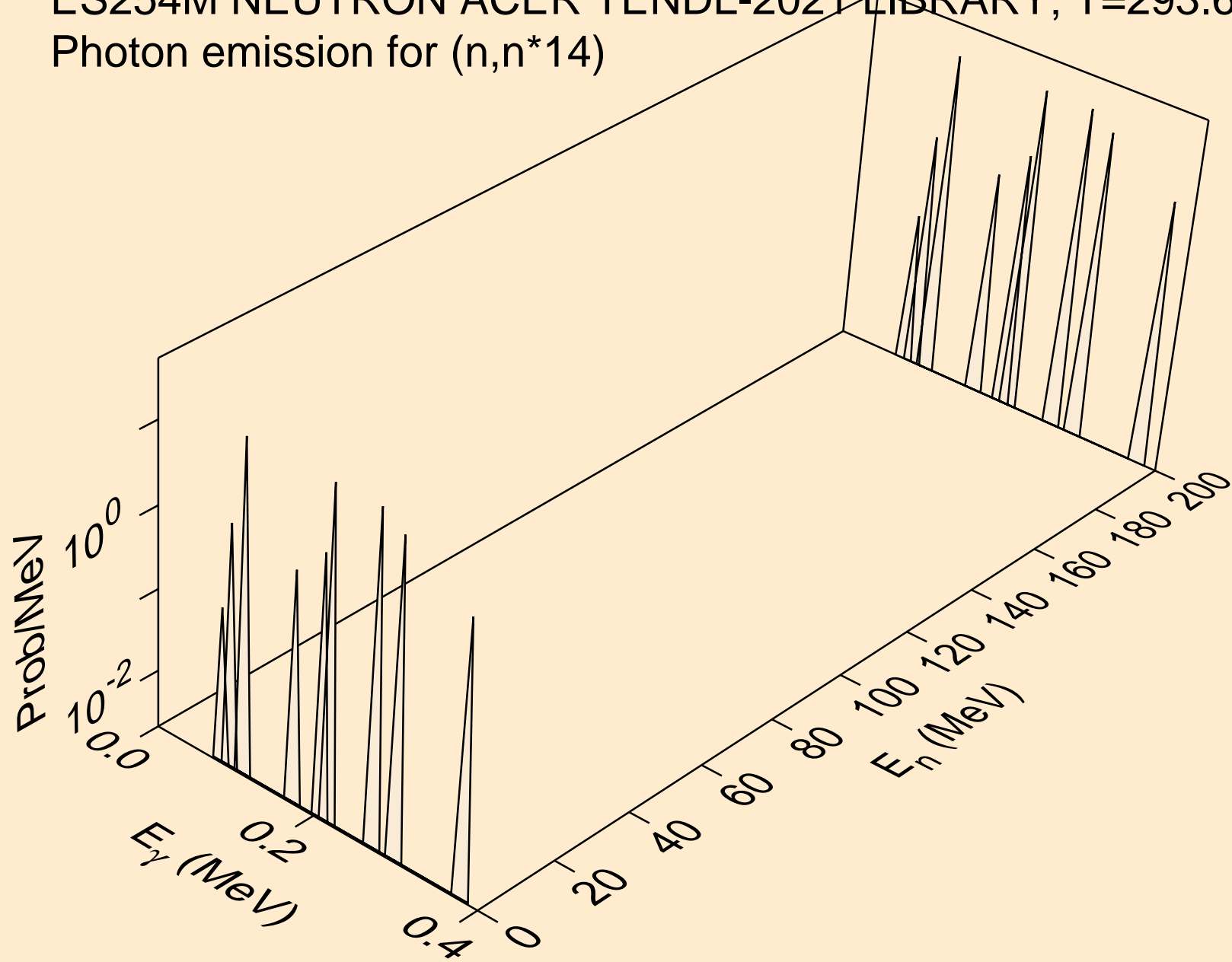
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Photon emission for (n,n\*12)



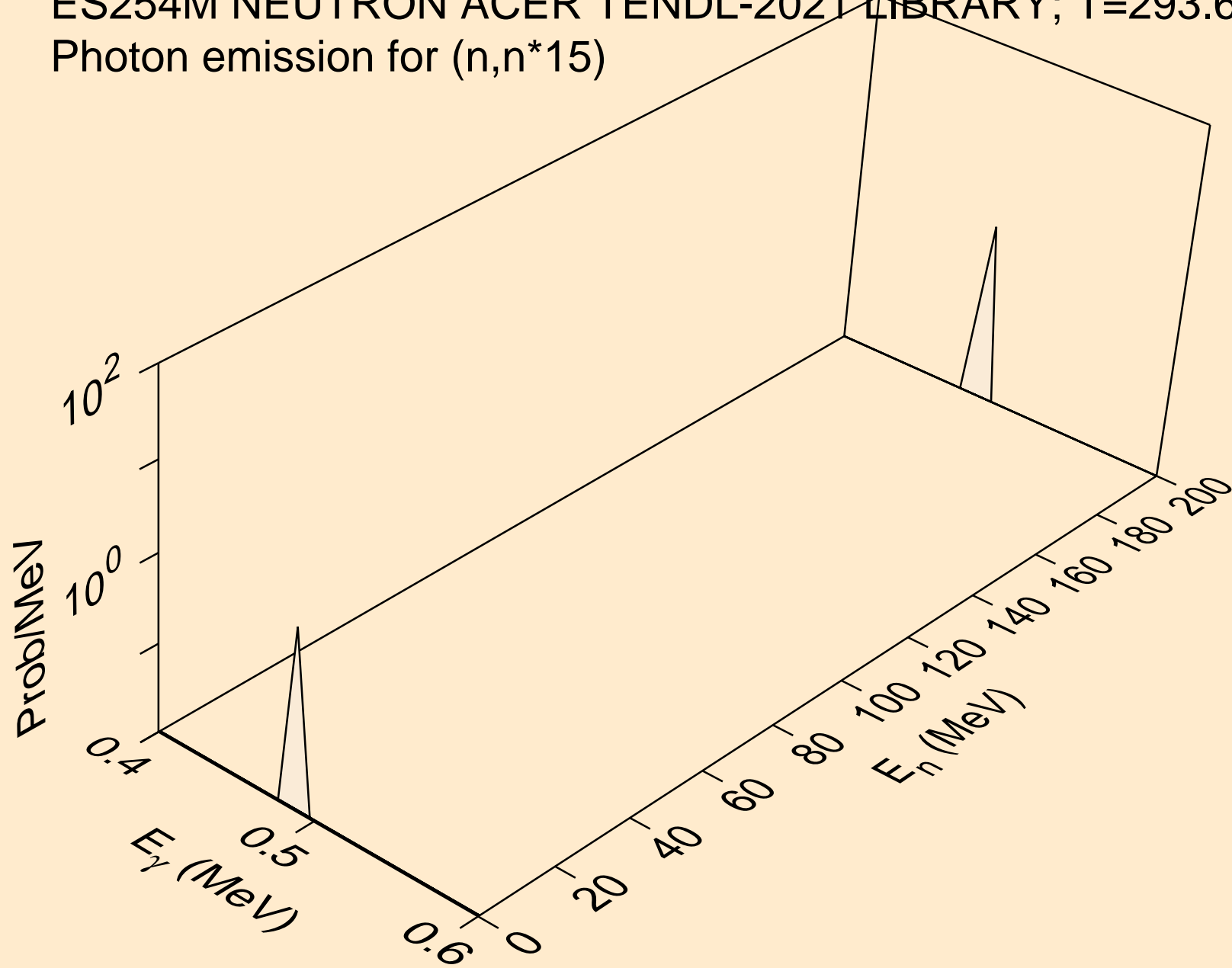
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Photon emission for (n,n\*13)



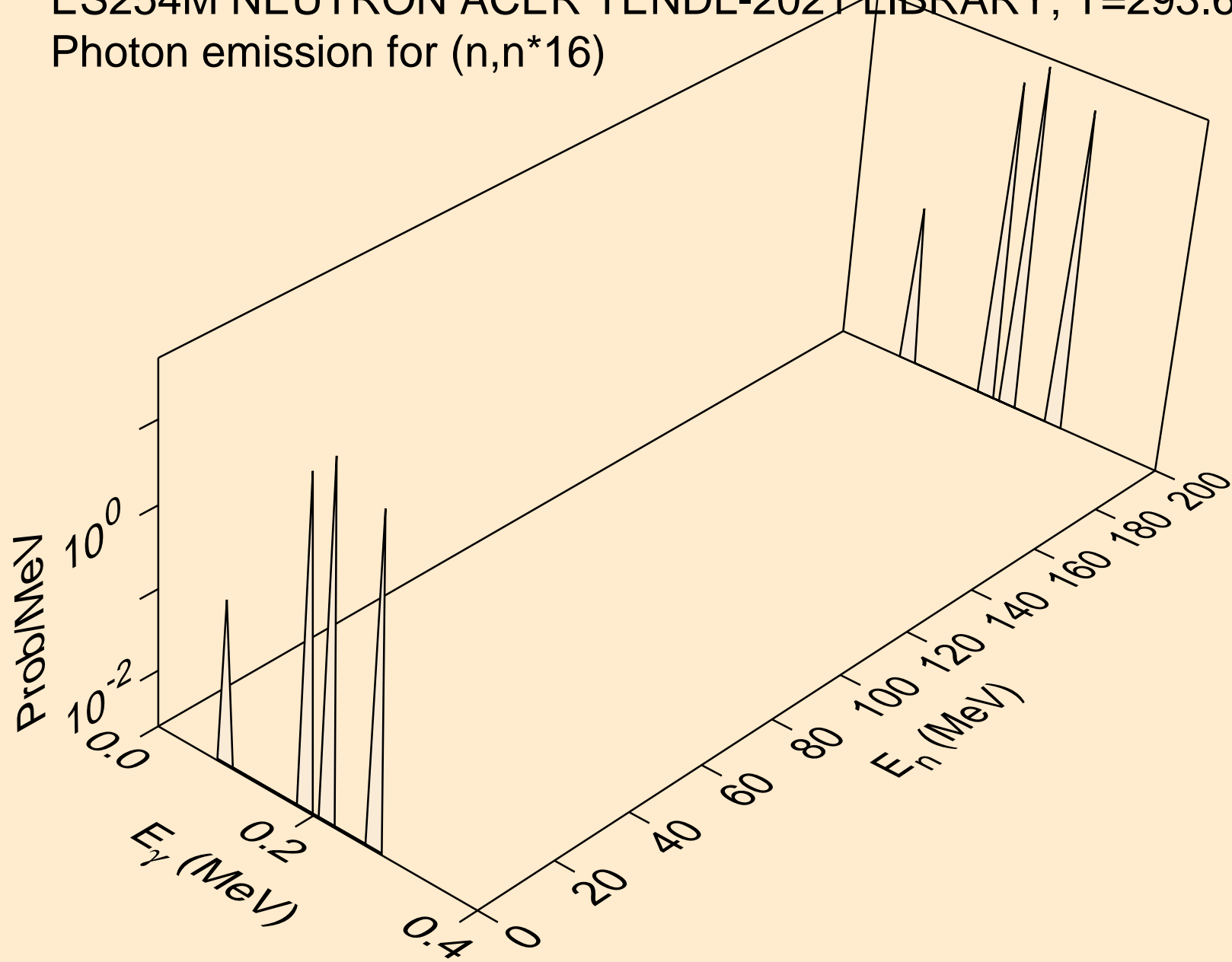
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Photon emission for (n,n\*14)



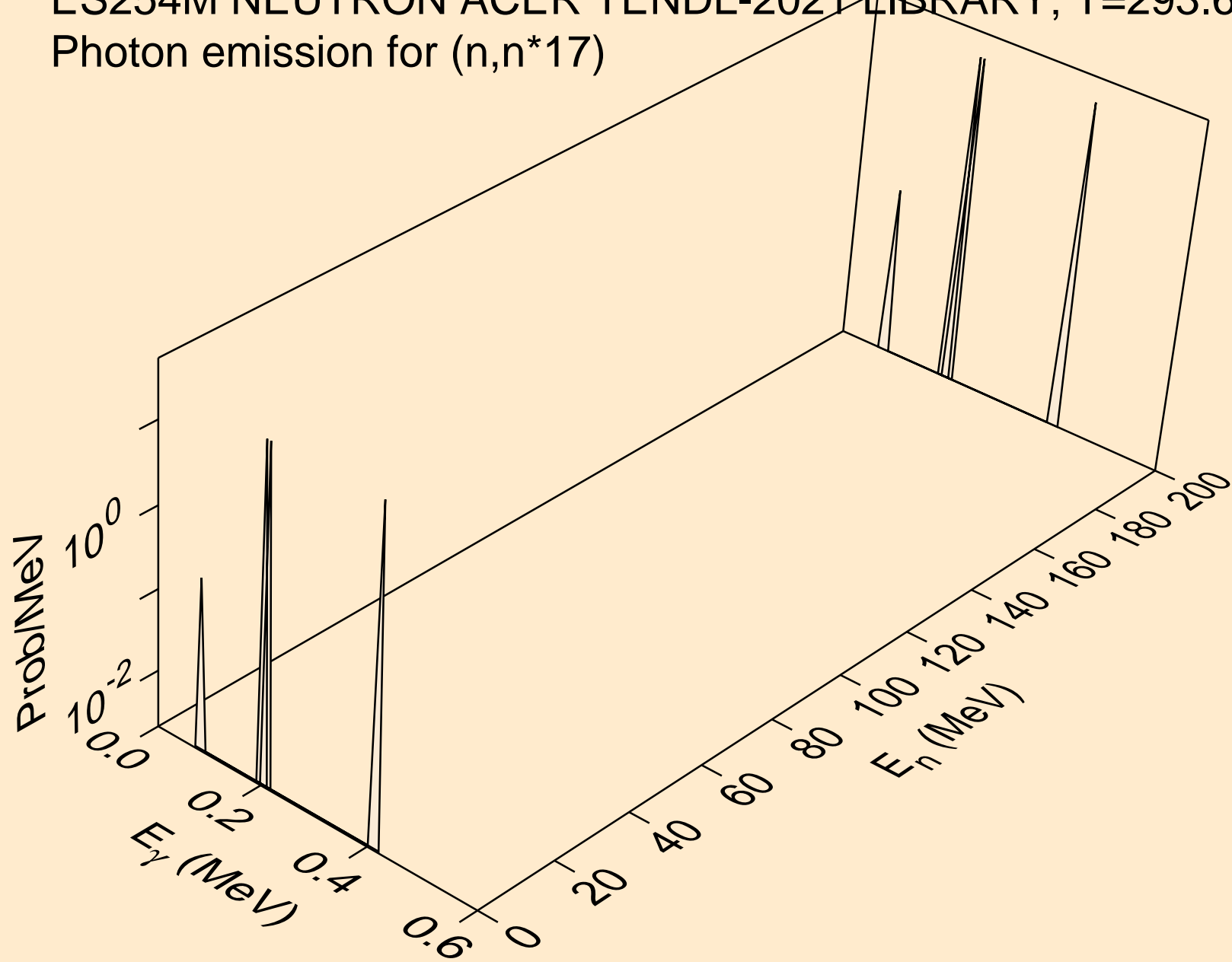
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Photon emission for (n,n\*15)



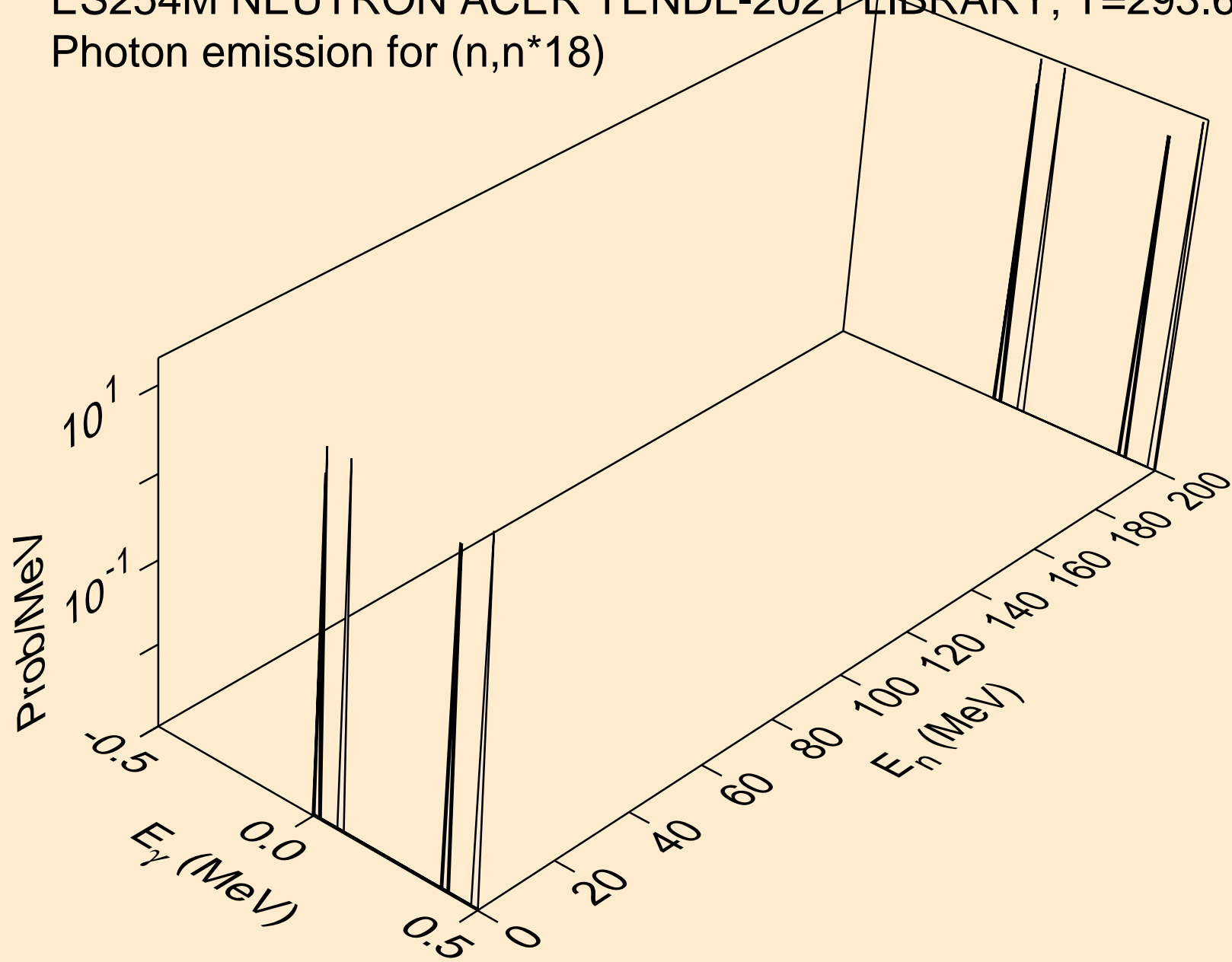
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Photon emission for (n,n\*16)



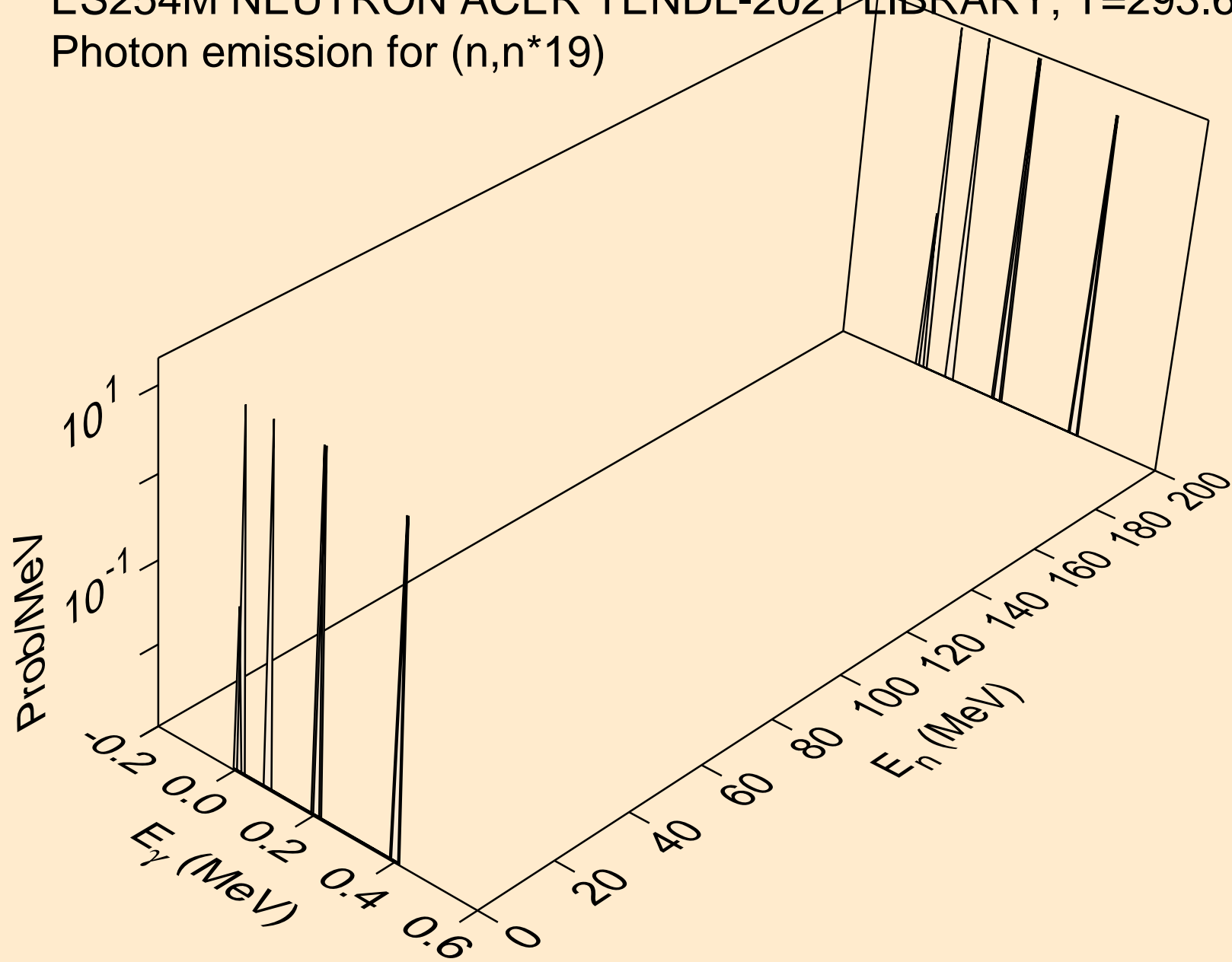
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Photon emission for (n,n\*17)



ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*18)

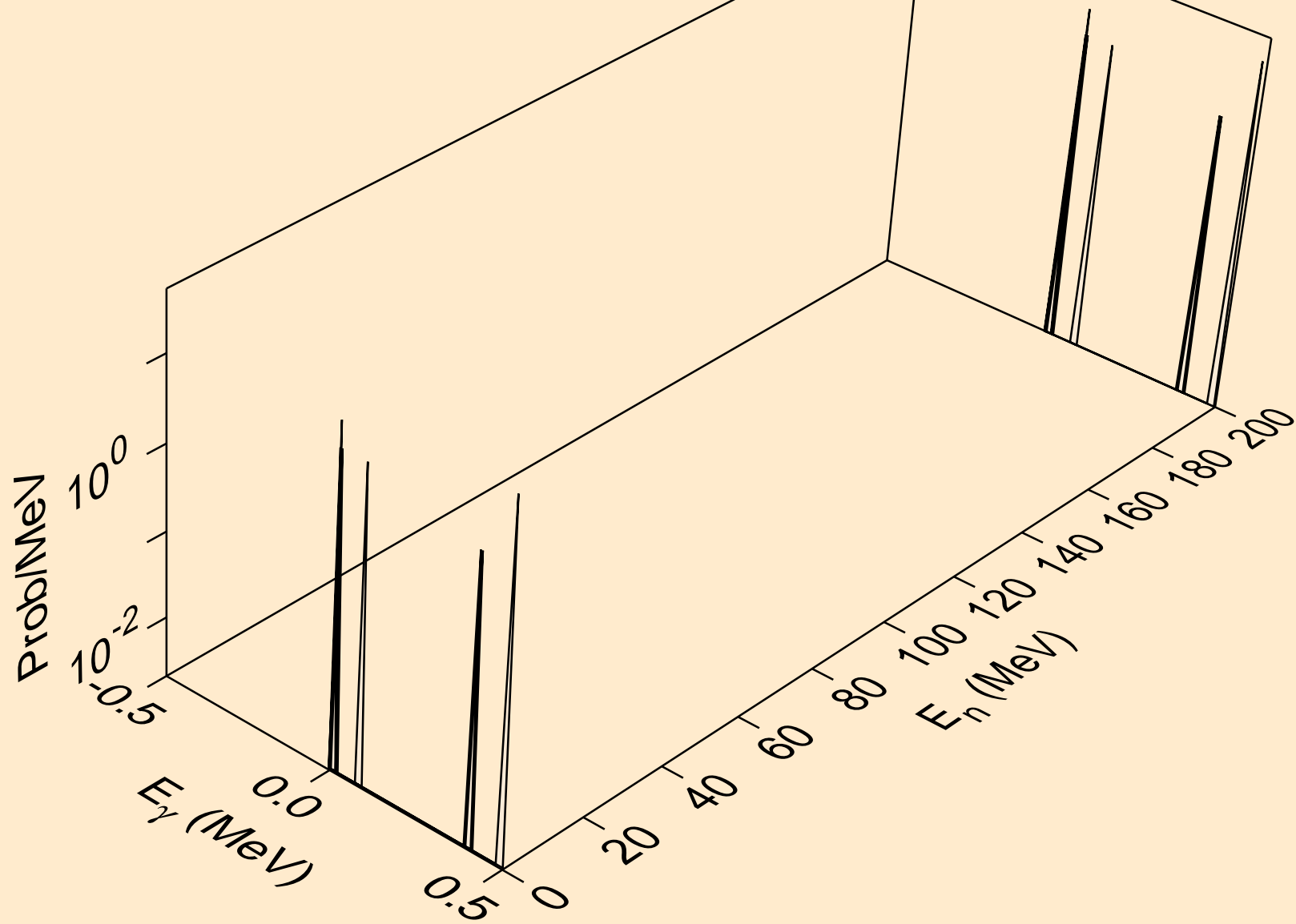


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Photon emission for (n,n\*19)

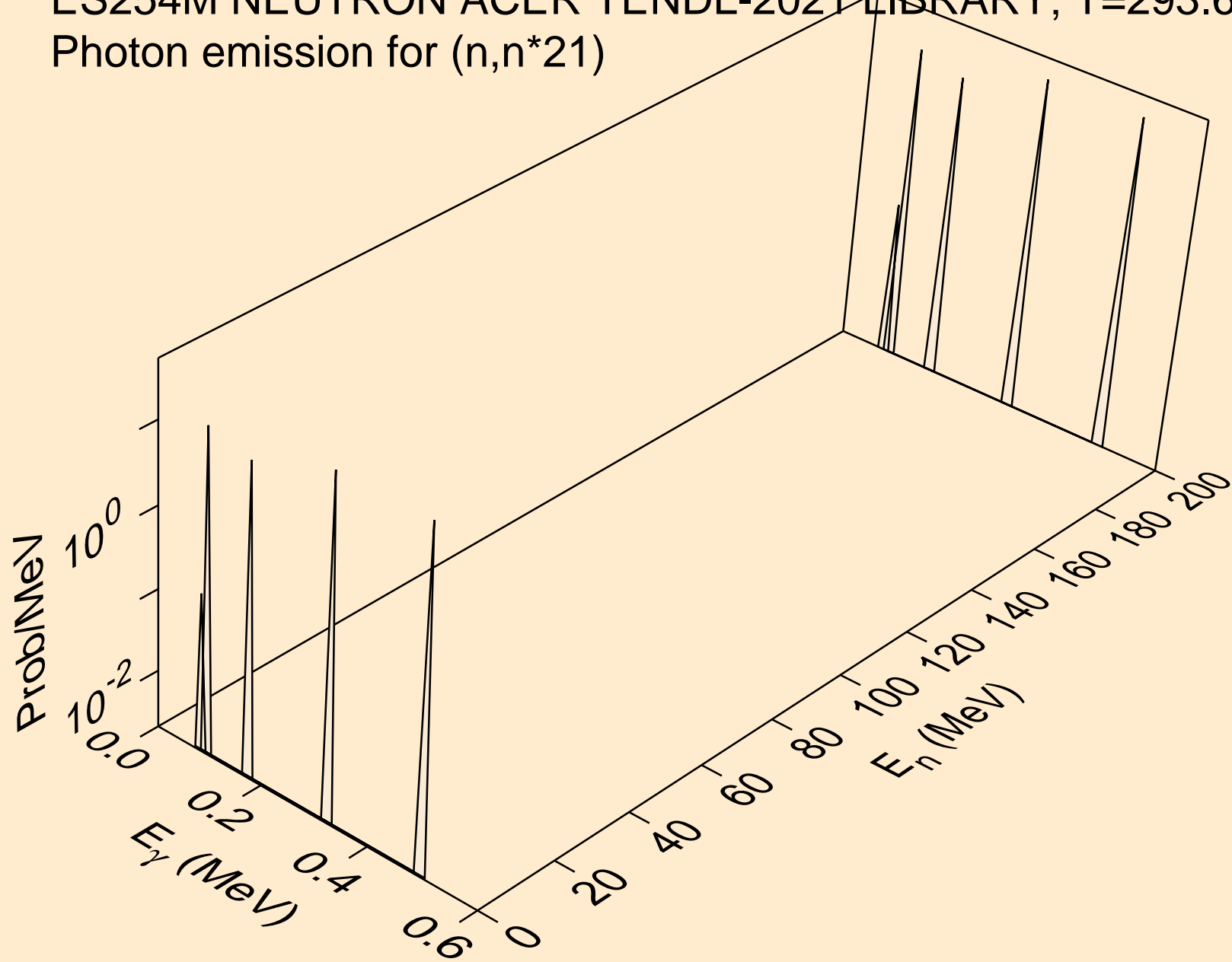




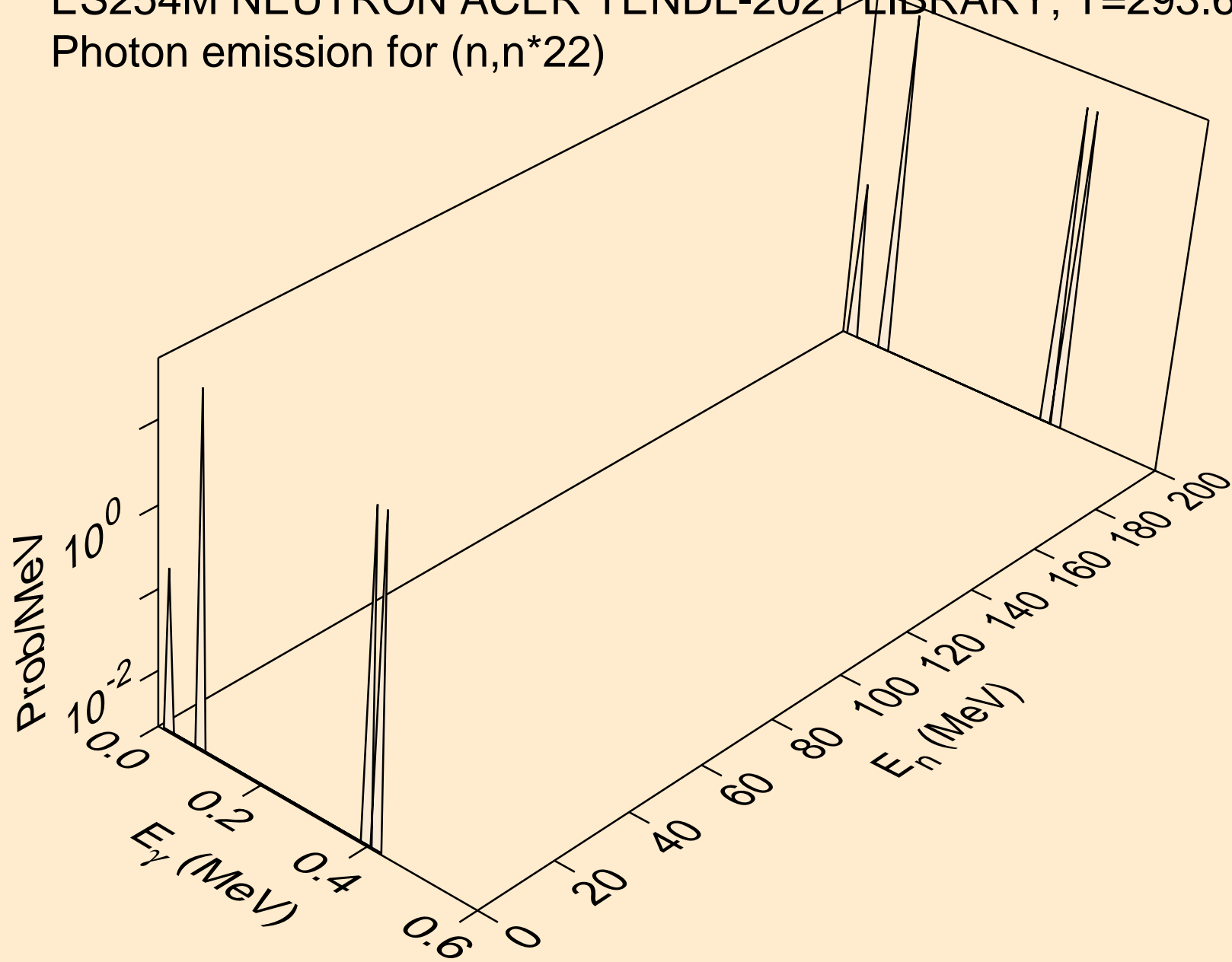
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Photon emission for (n,n\*20)



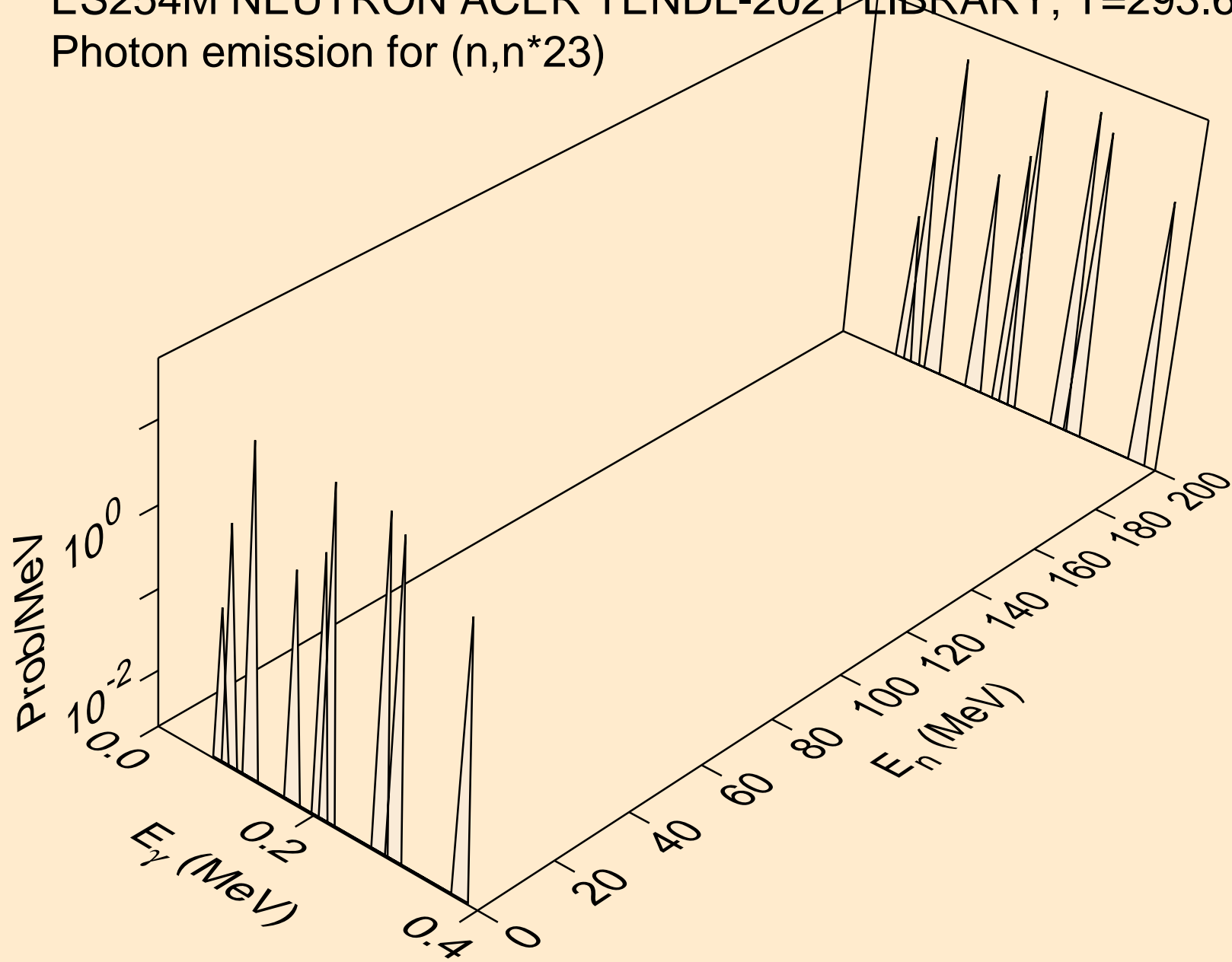
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Photon emission for (n,n\*21)



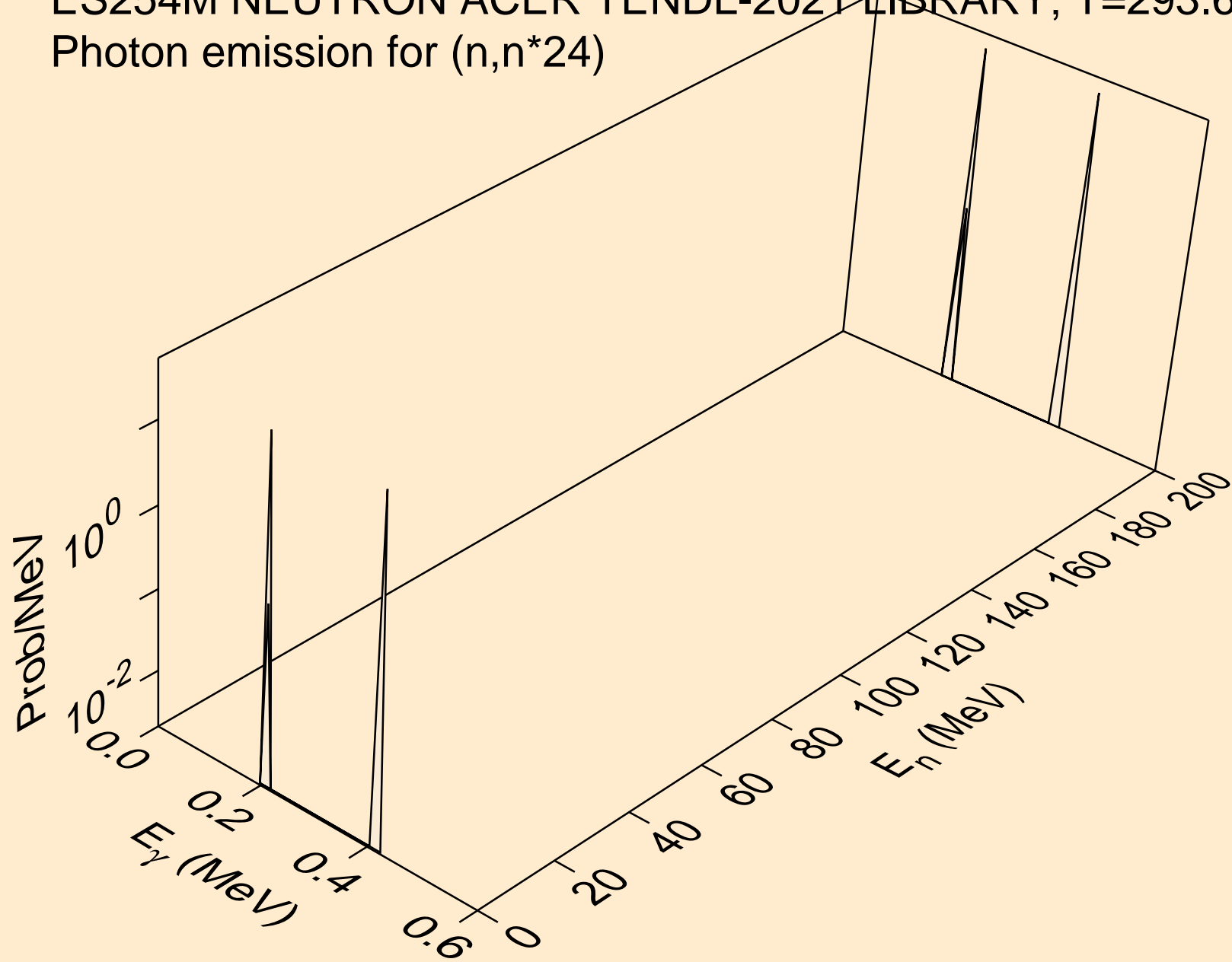
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Photon emission for (n,n\*22)



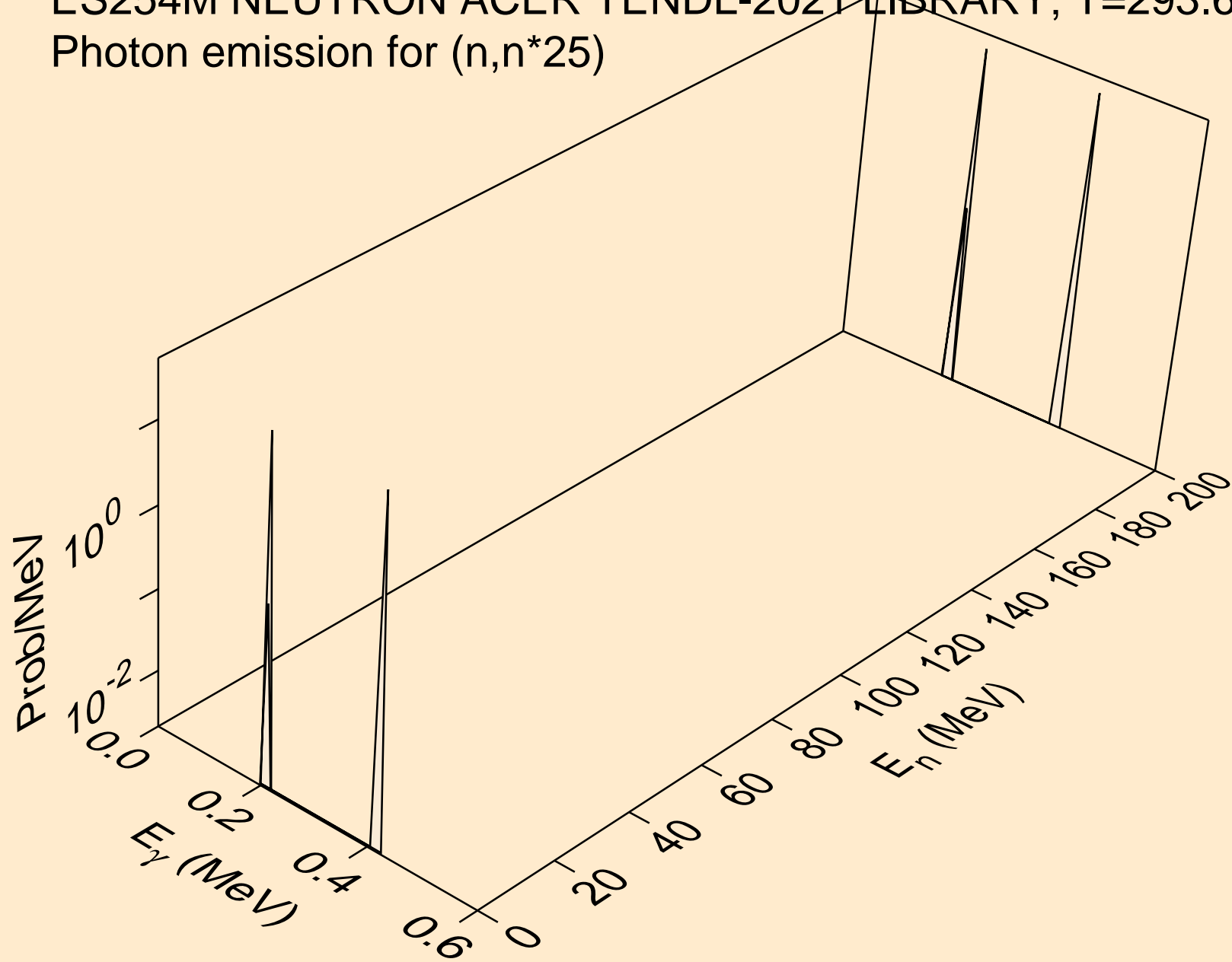
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Photon emission for (n,n\*23)



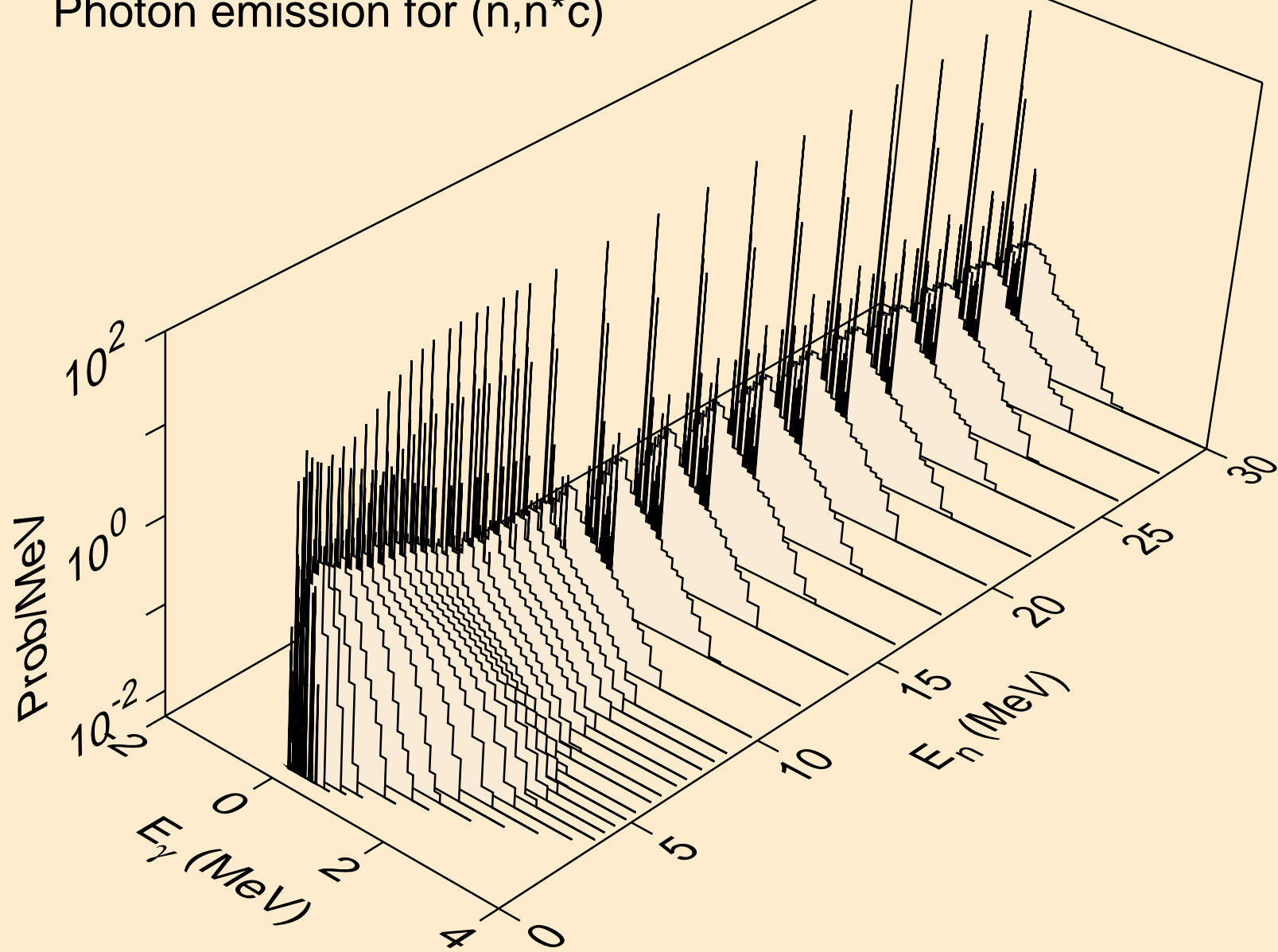
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Photon emission for (n,n\*24)



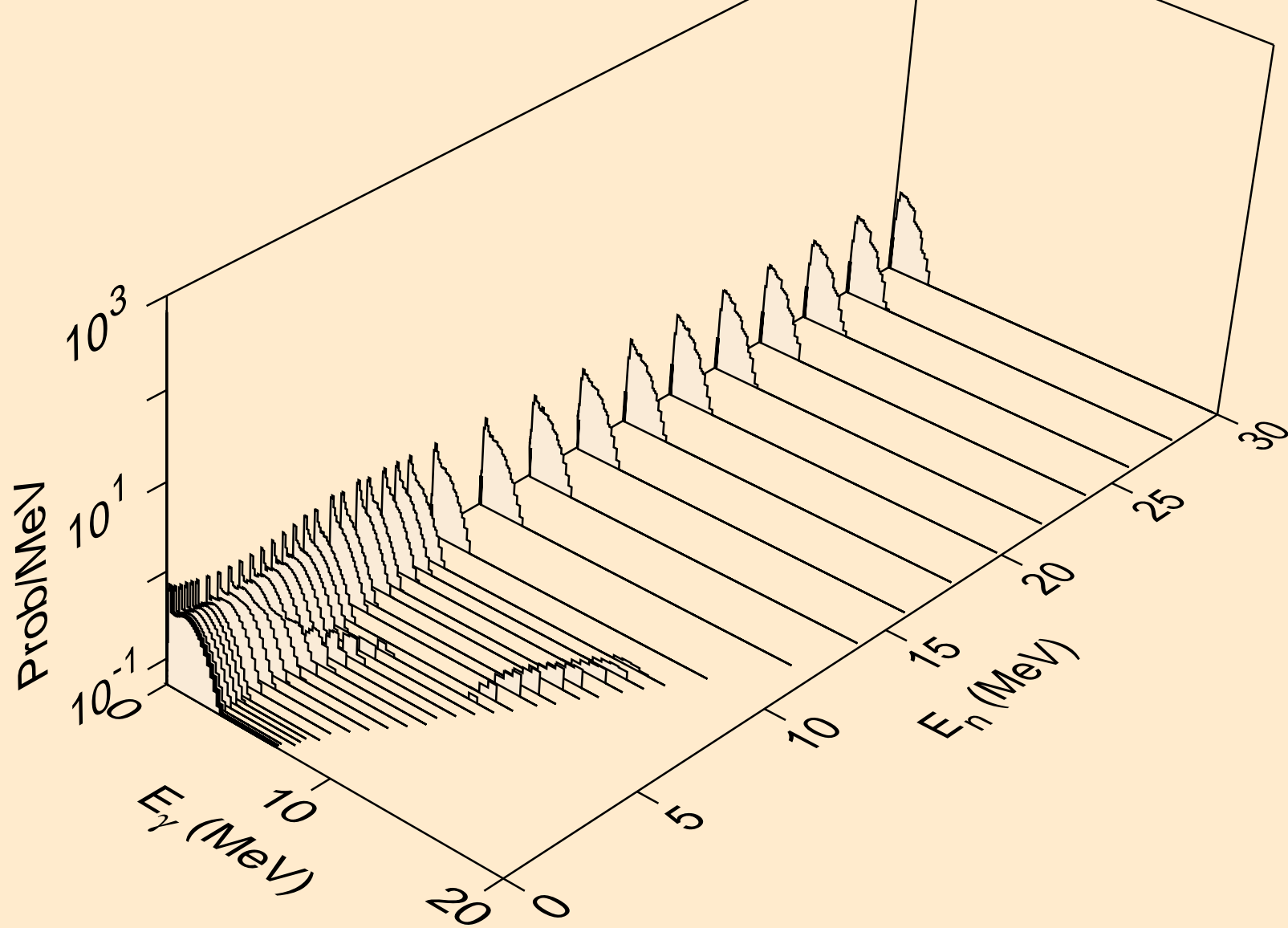
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Photon emission for (n,n\*25)



ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*c)

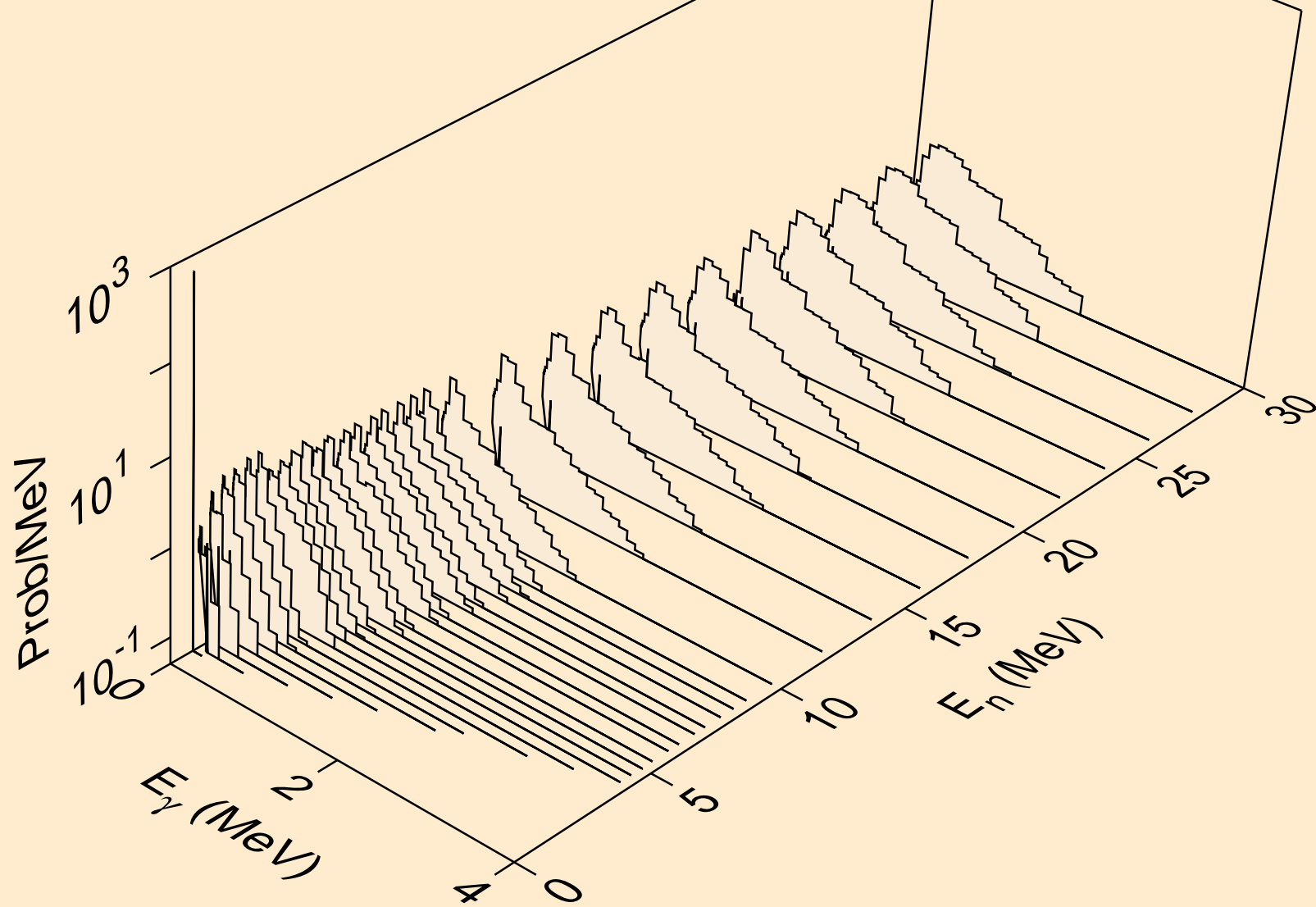


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Photon emission for (n,gma)

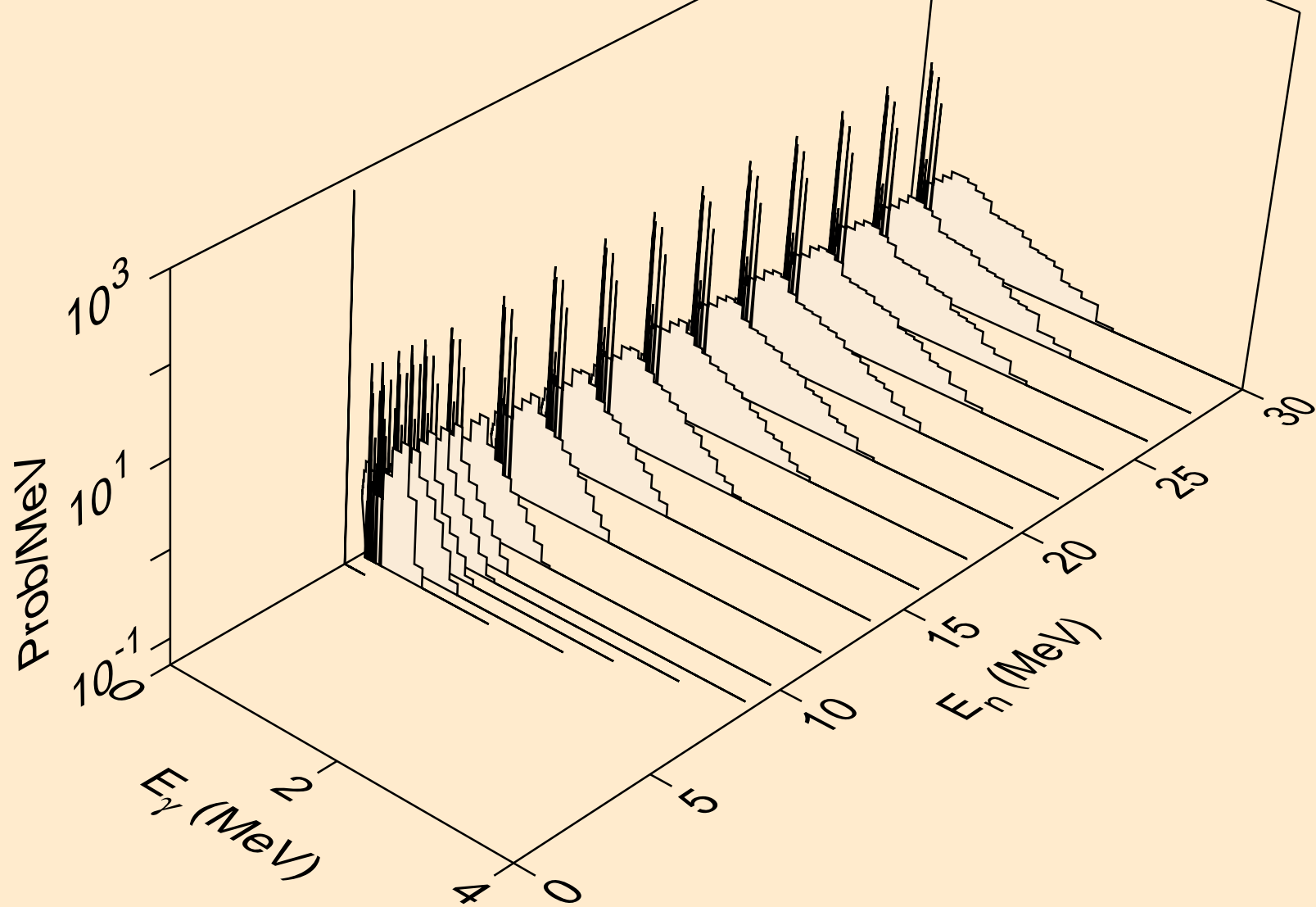




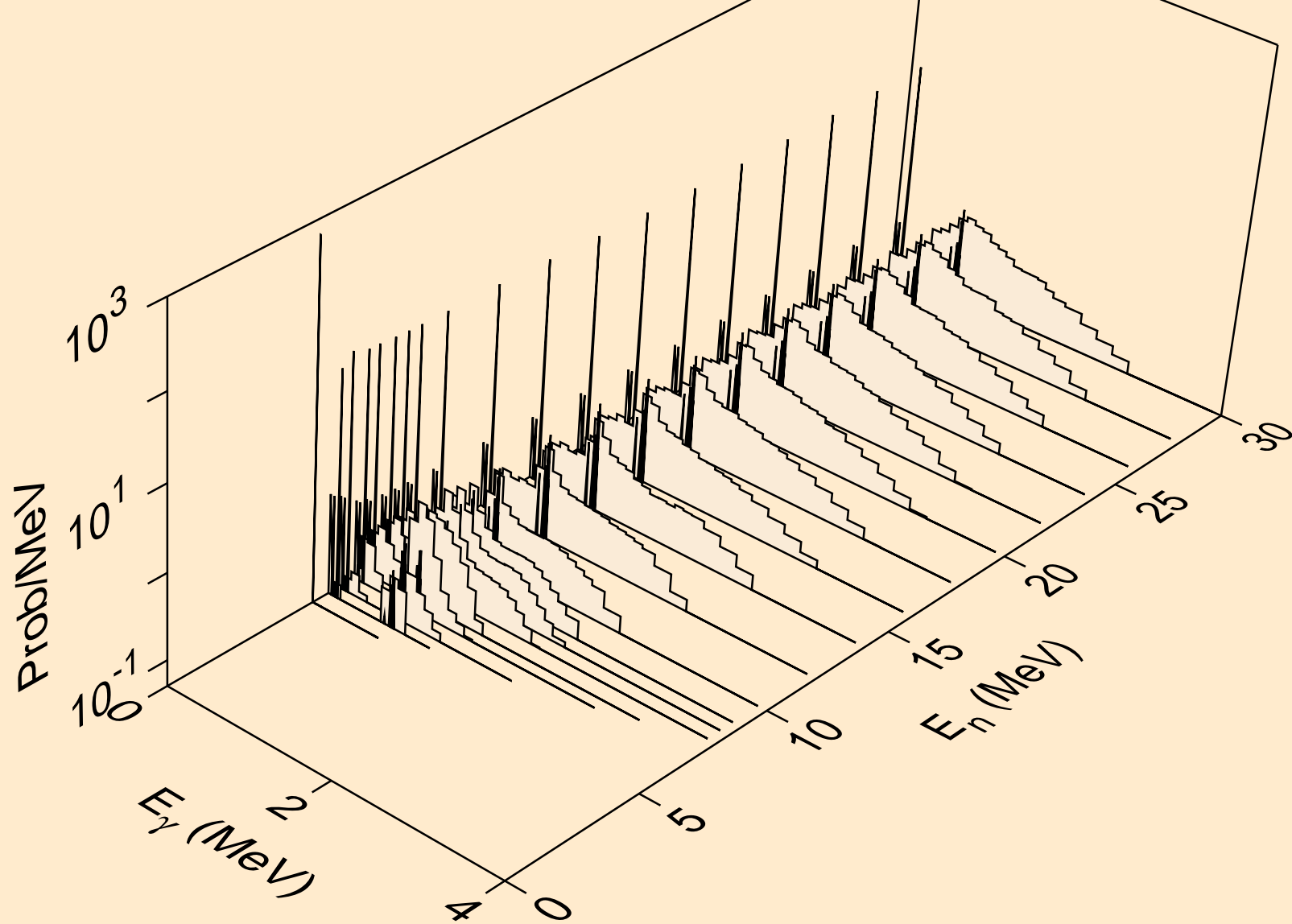
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Photon emission for (n,p)



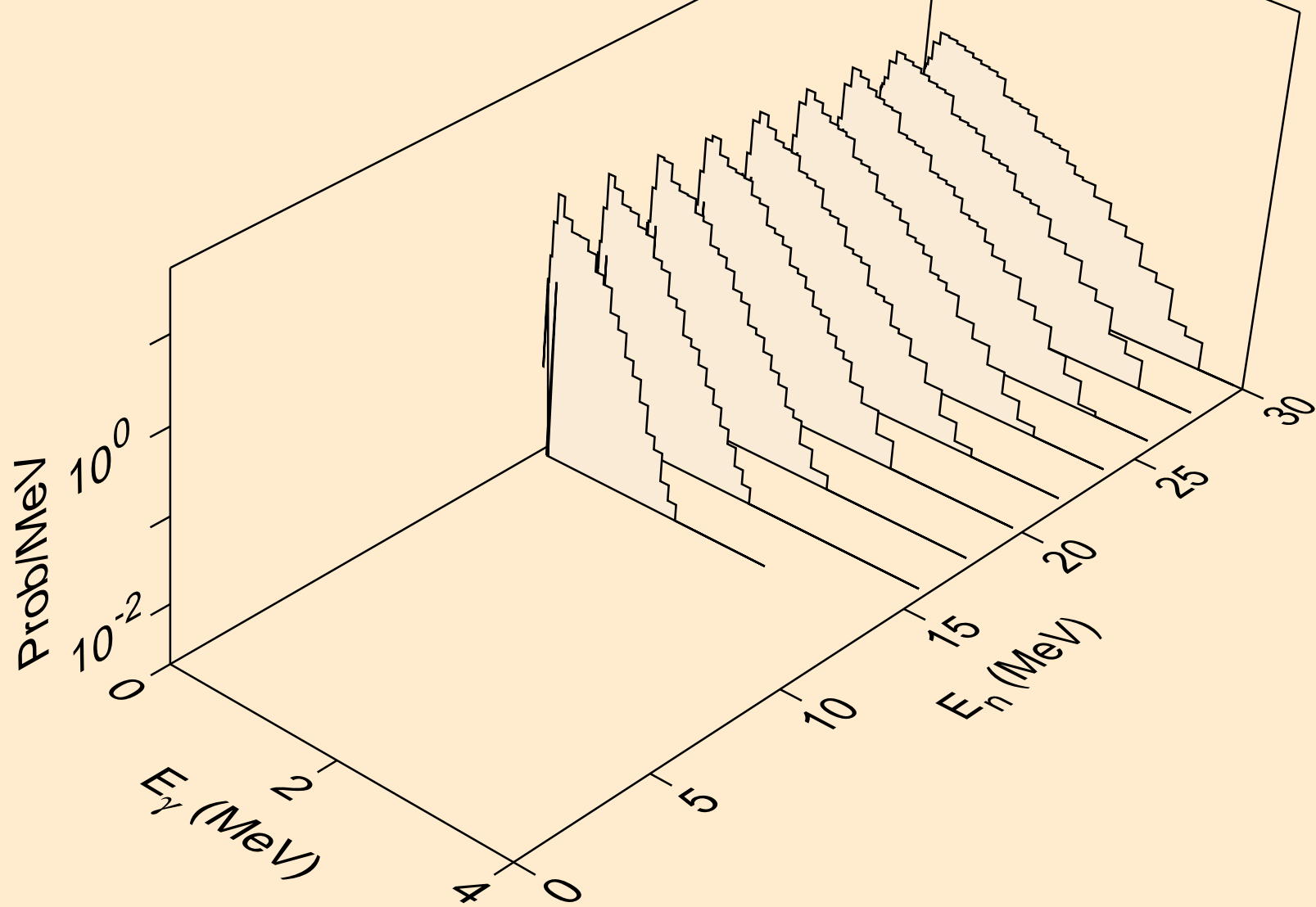
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Photon emission for (n,d)



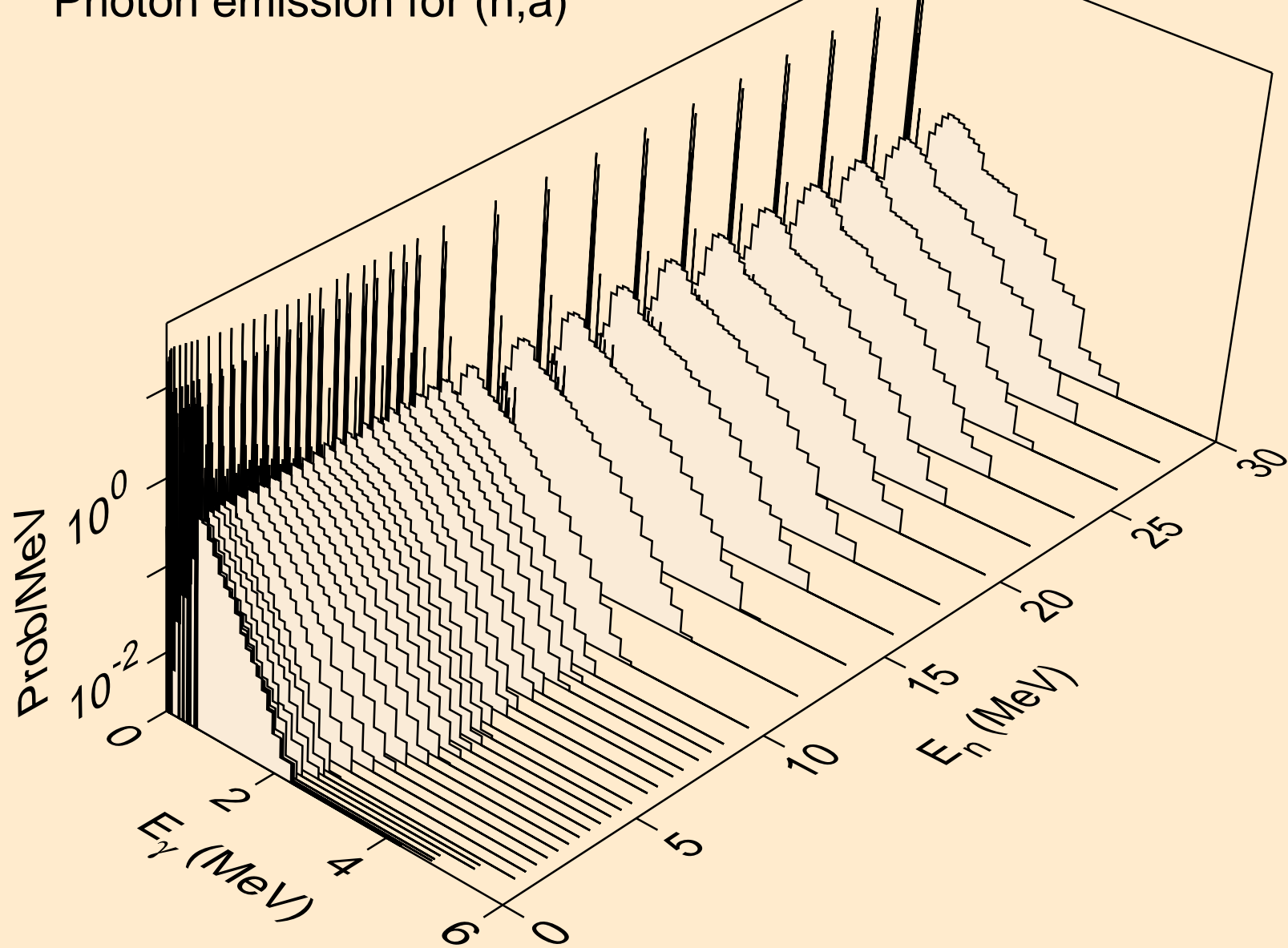
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Photon emission for (n,t)



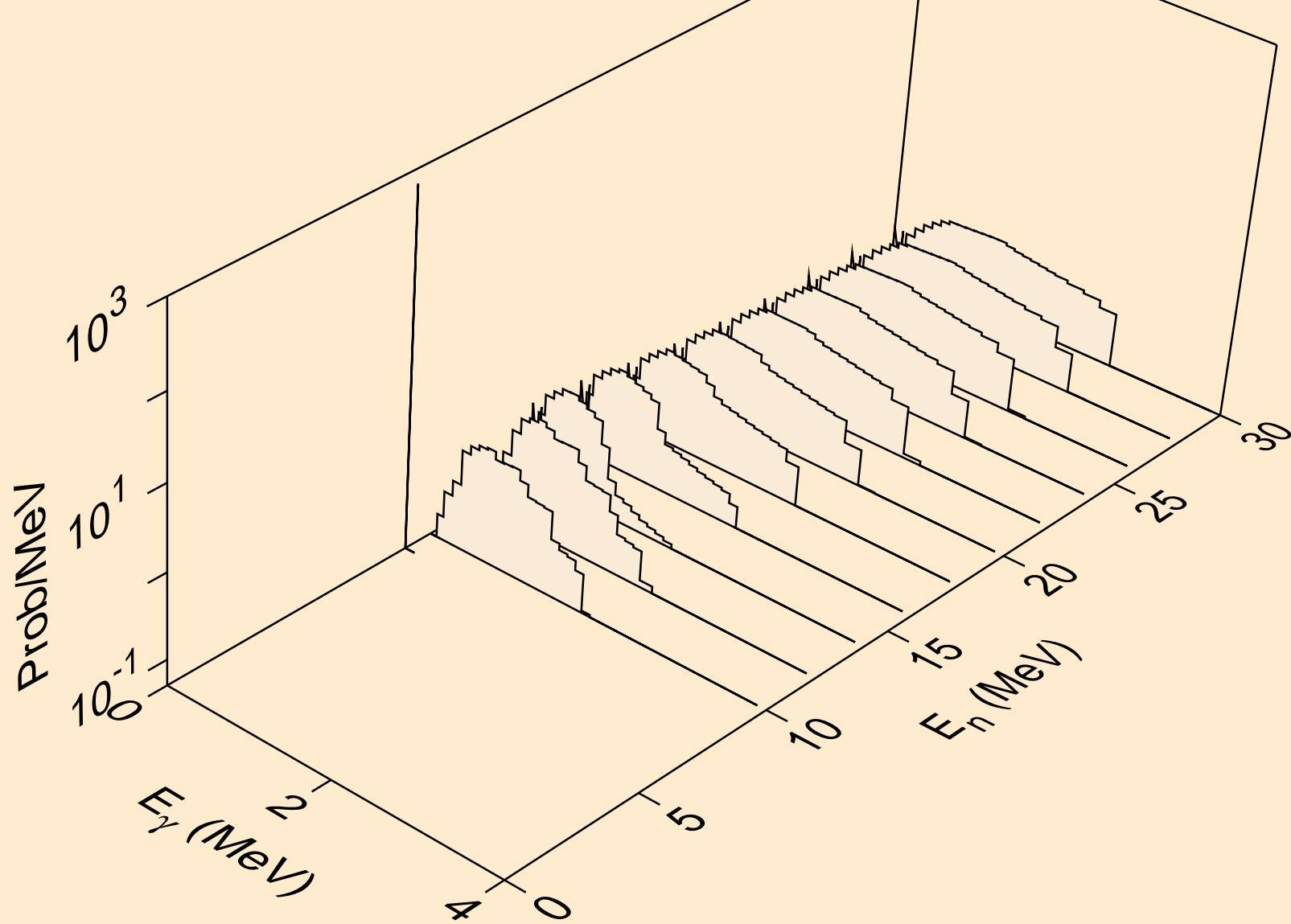
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Photon emission for (n,he3)



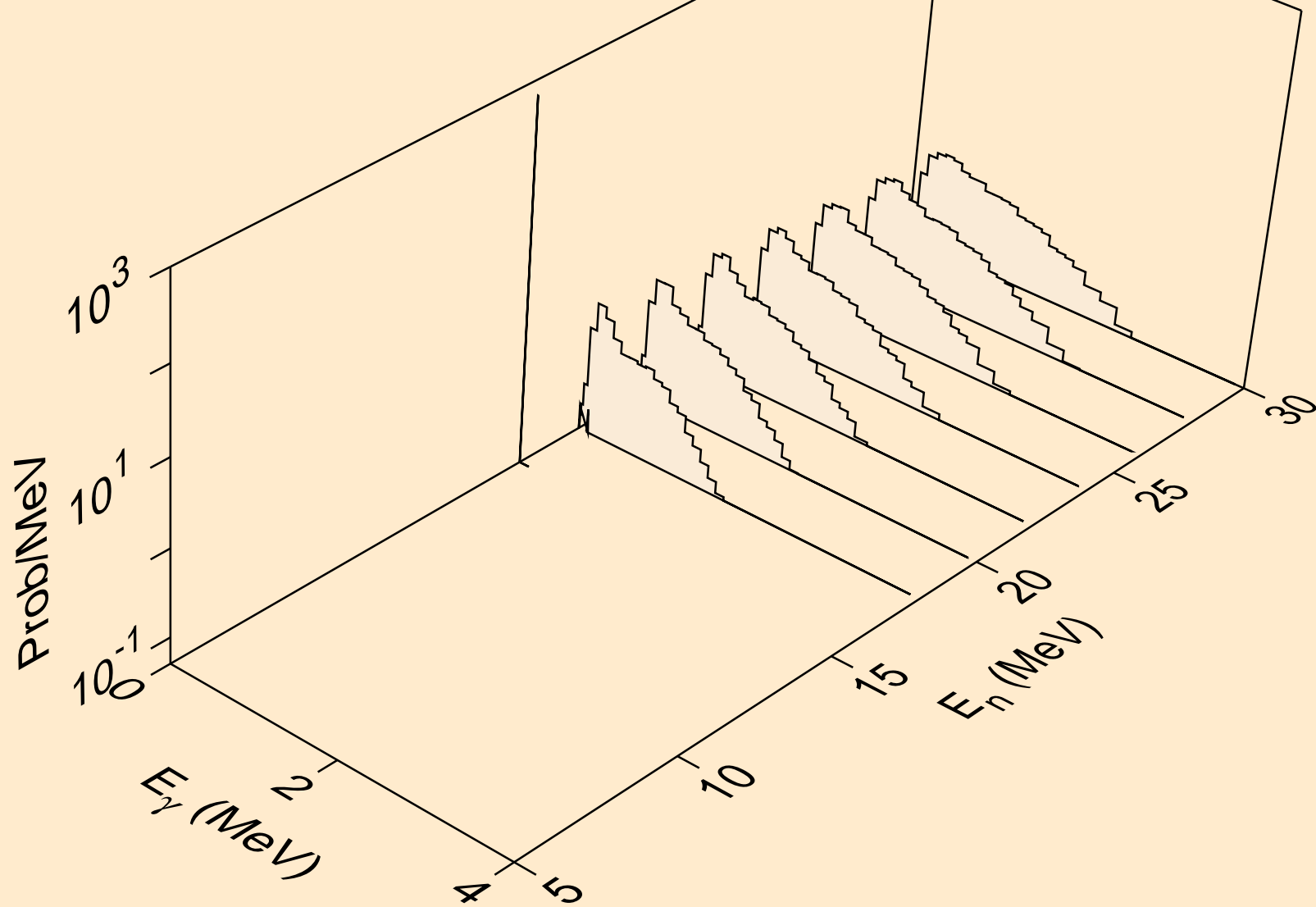
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Photon emission for (n,a)



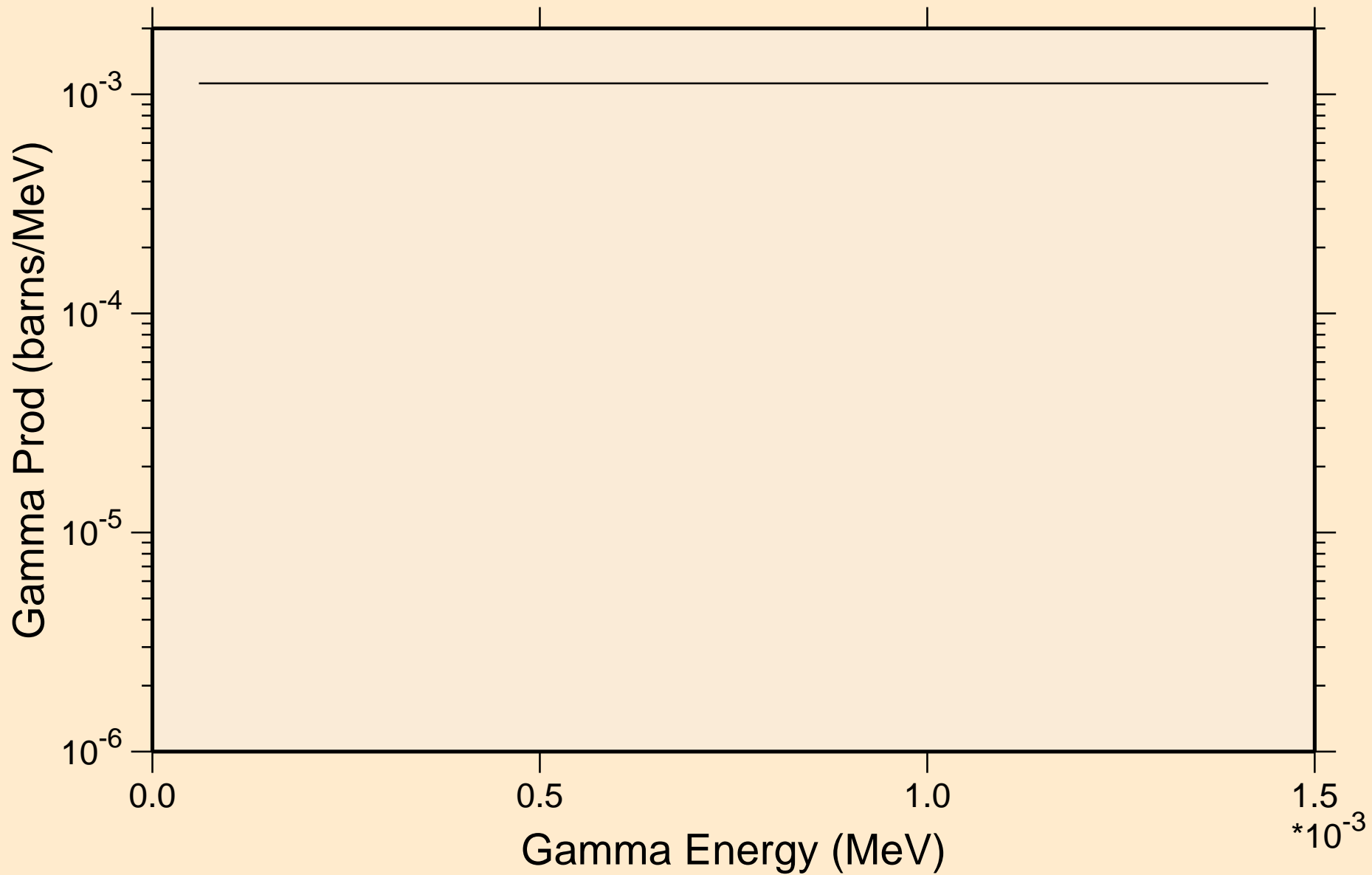
ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2a)



ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2p)

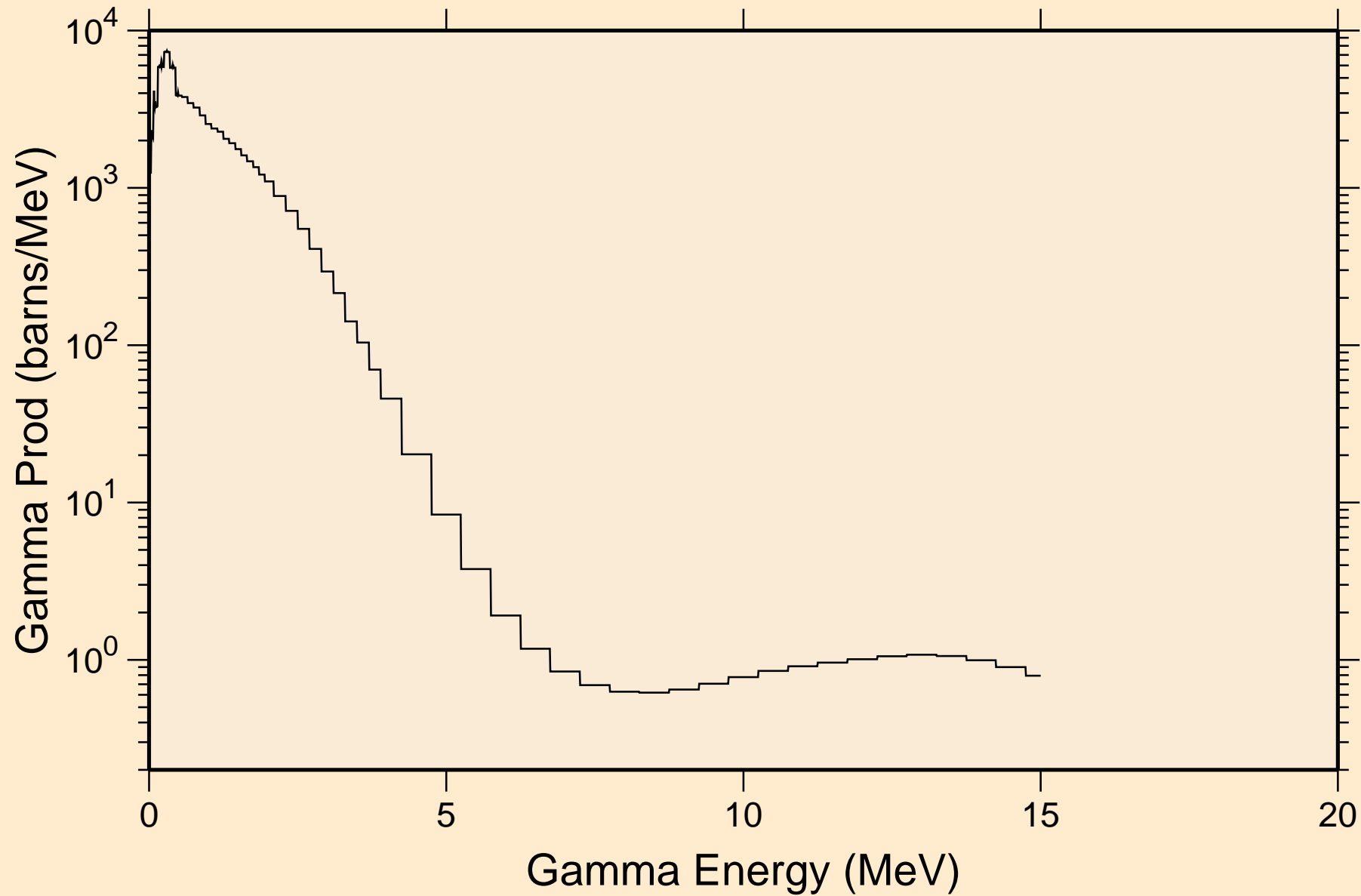


ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
thermal capture photon spectrum



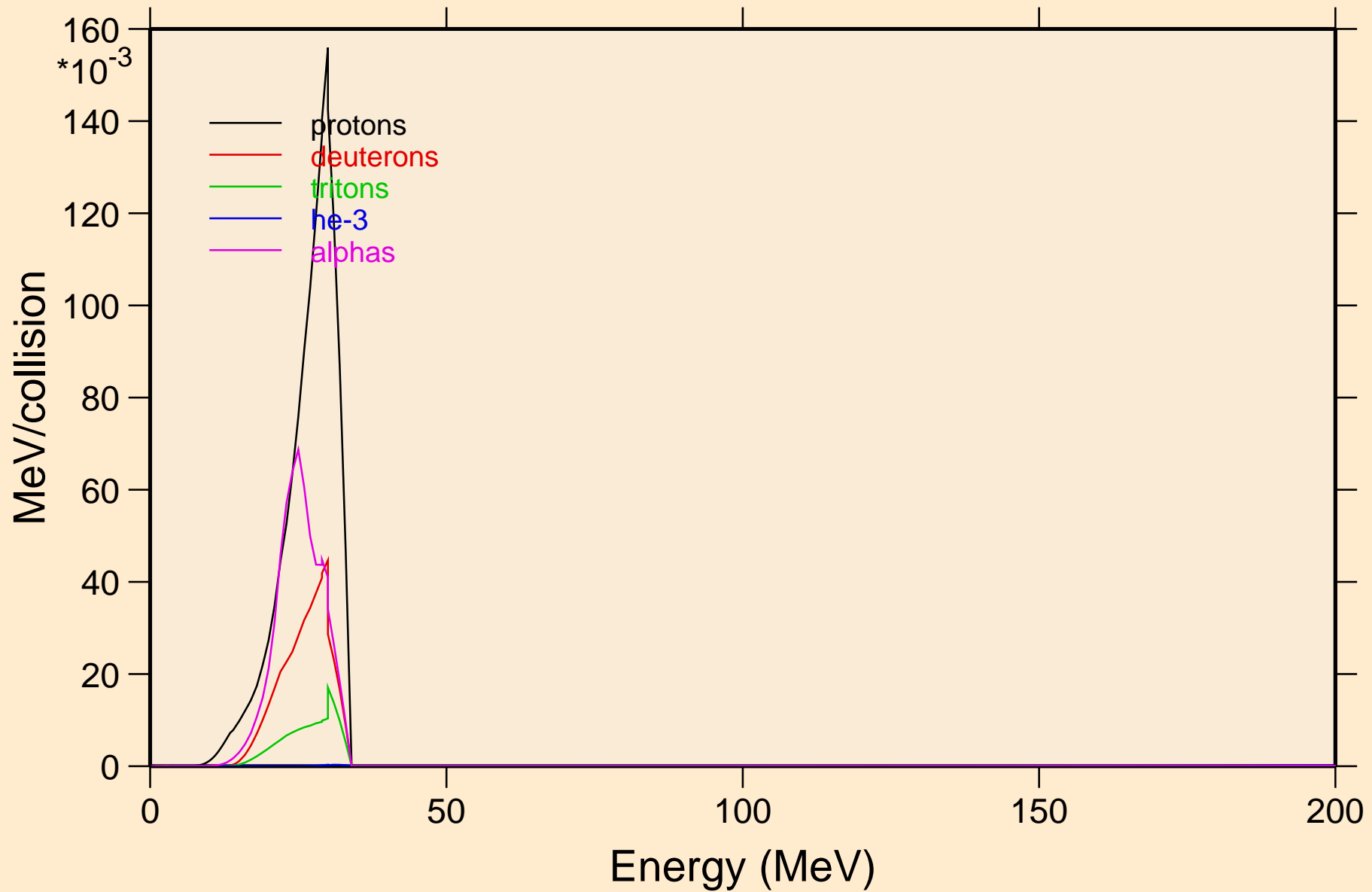


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14 MeV photon spectrum

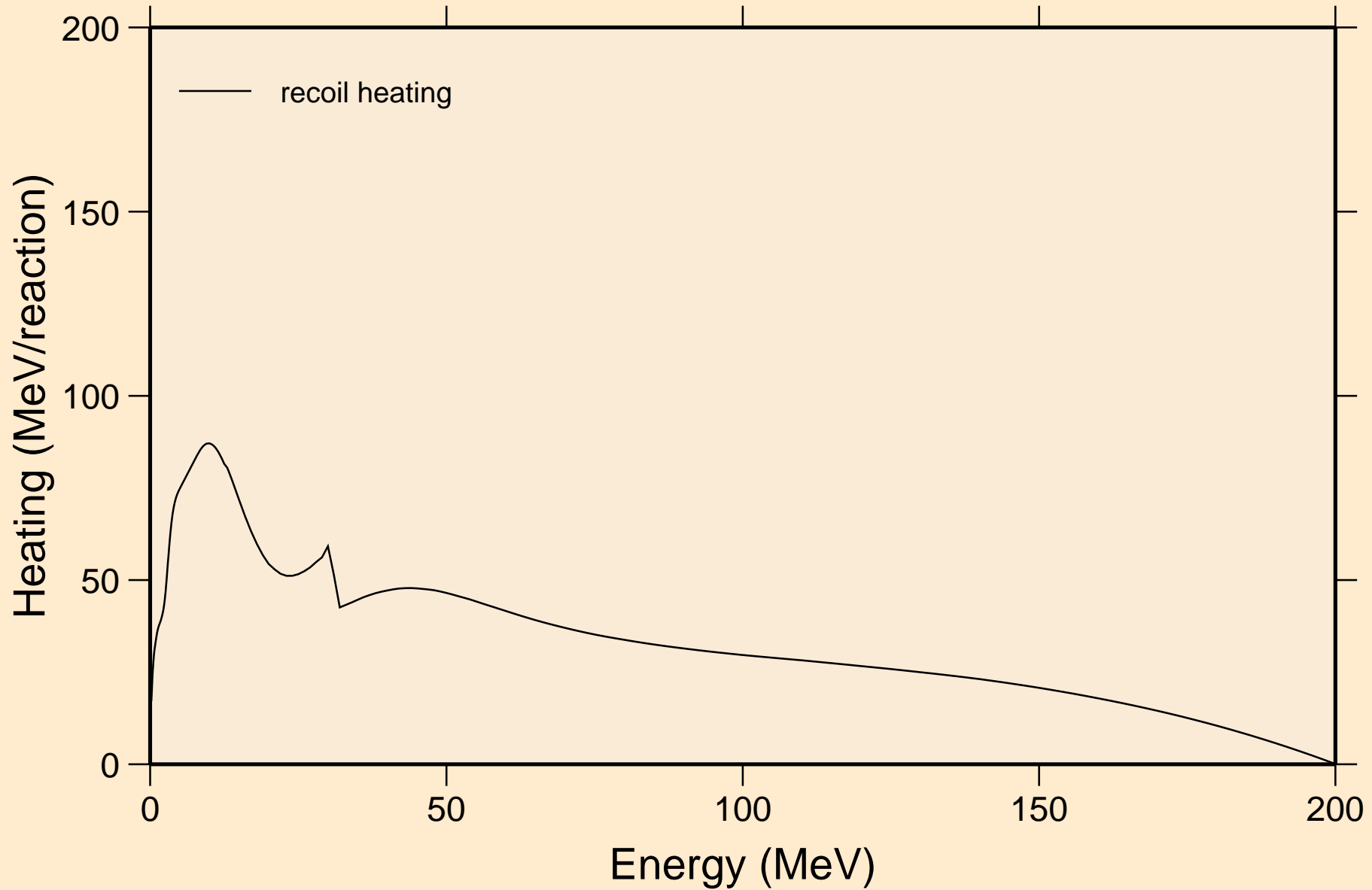


# ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Particle heating contributions

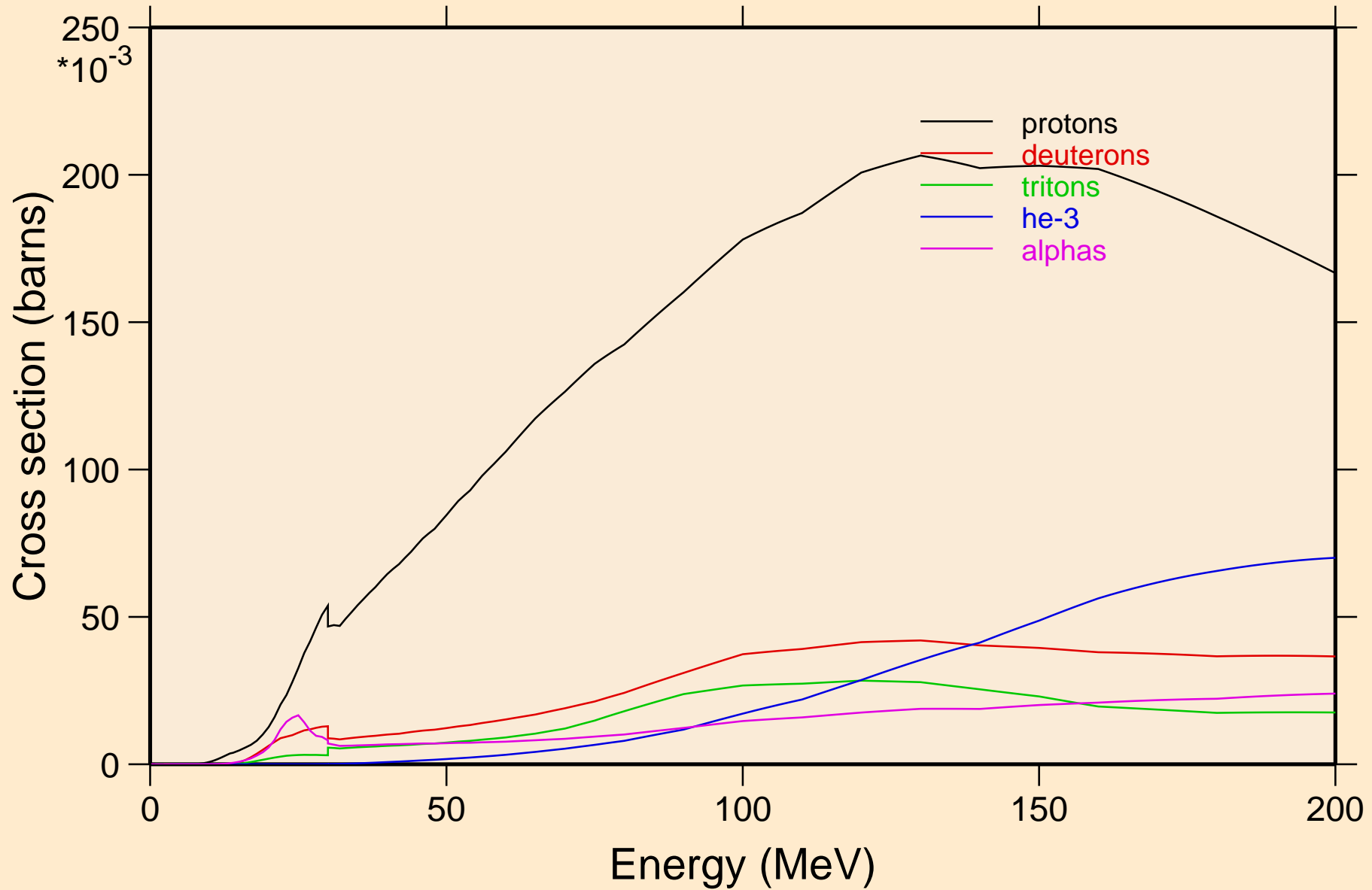


ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Recoil Heating

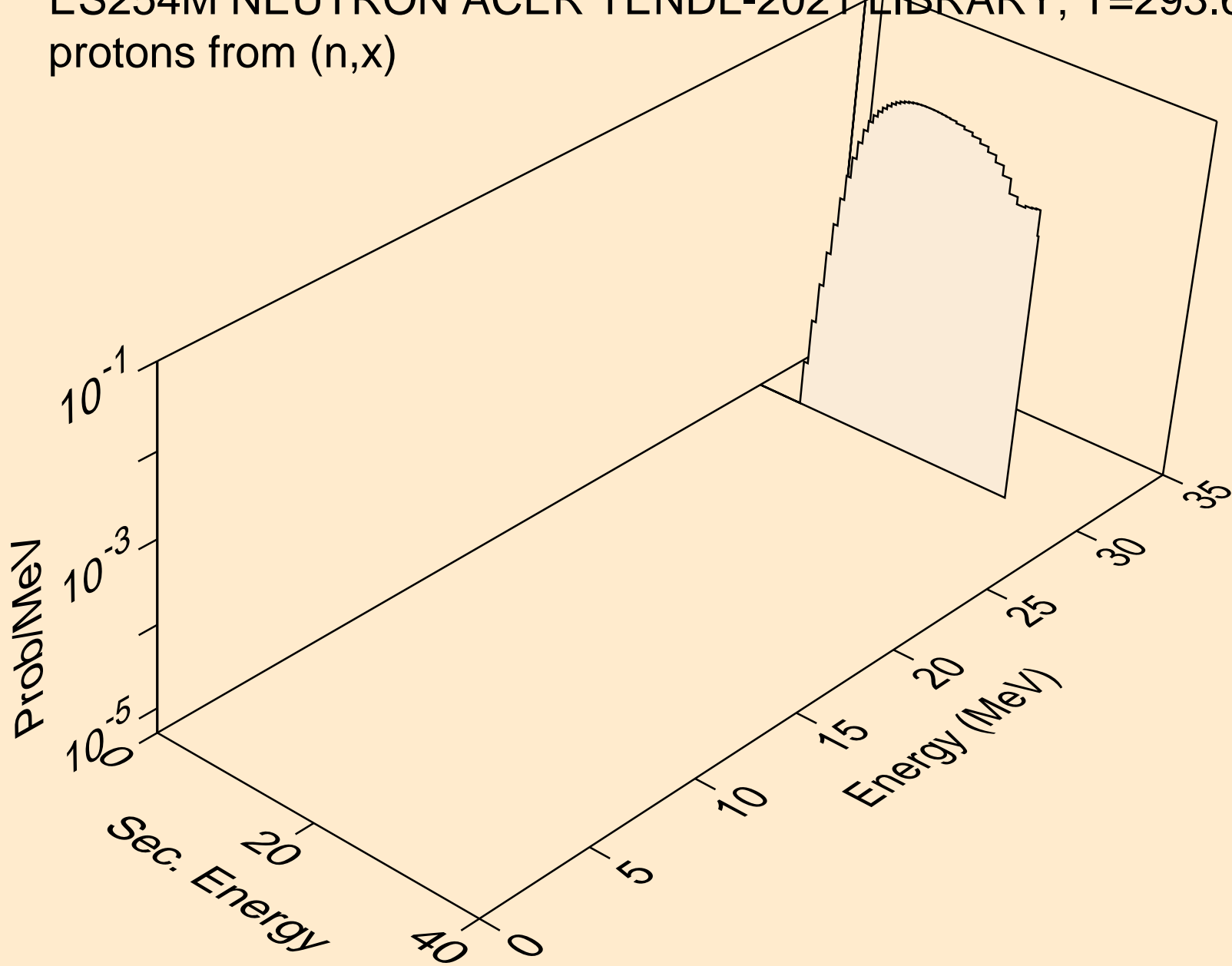


# ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

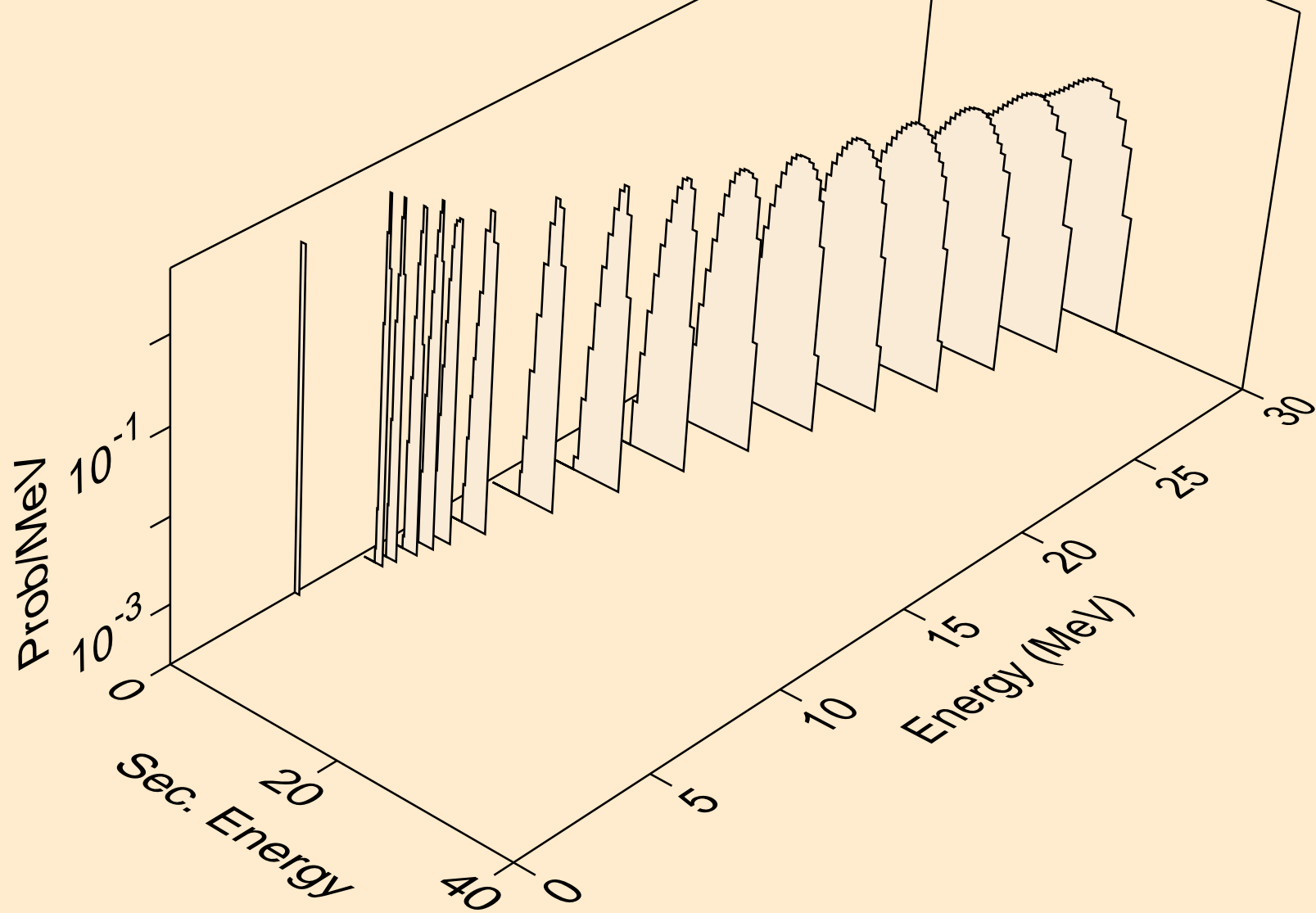
## Particle production cross sections



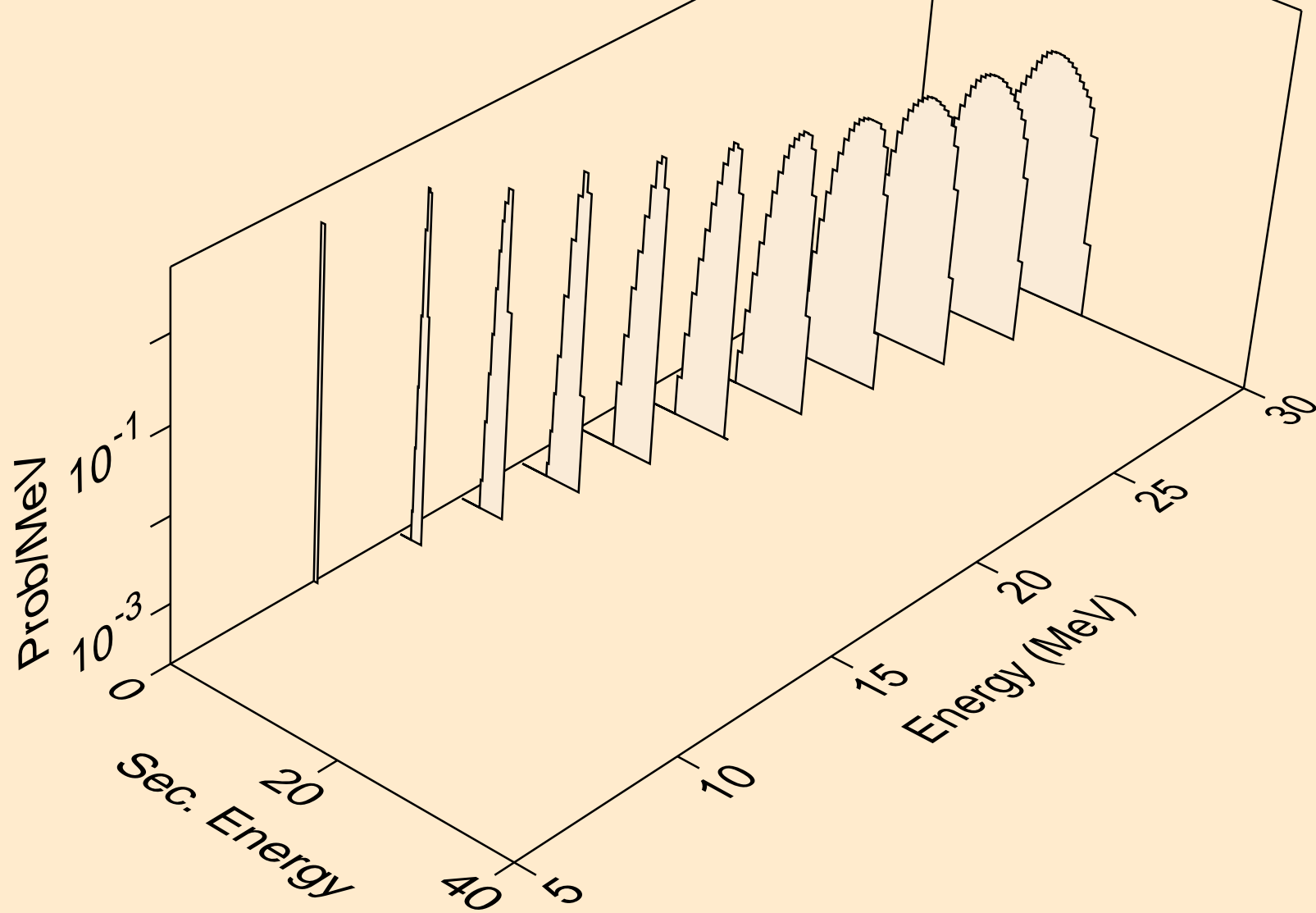
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protons from (n,x)



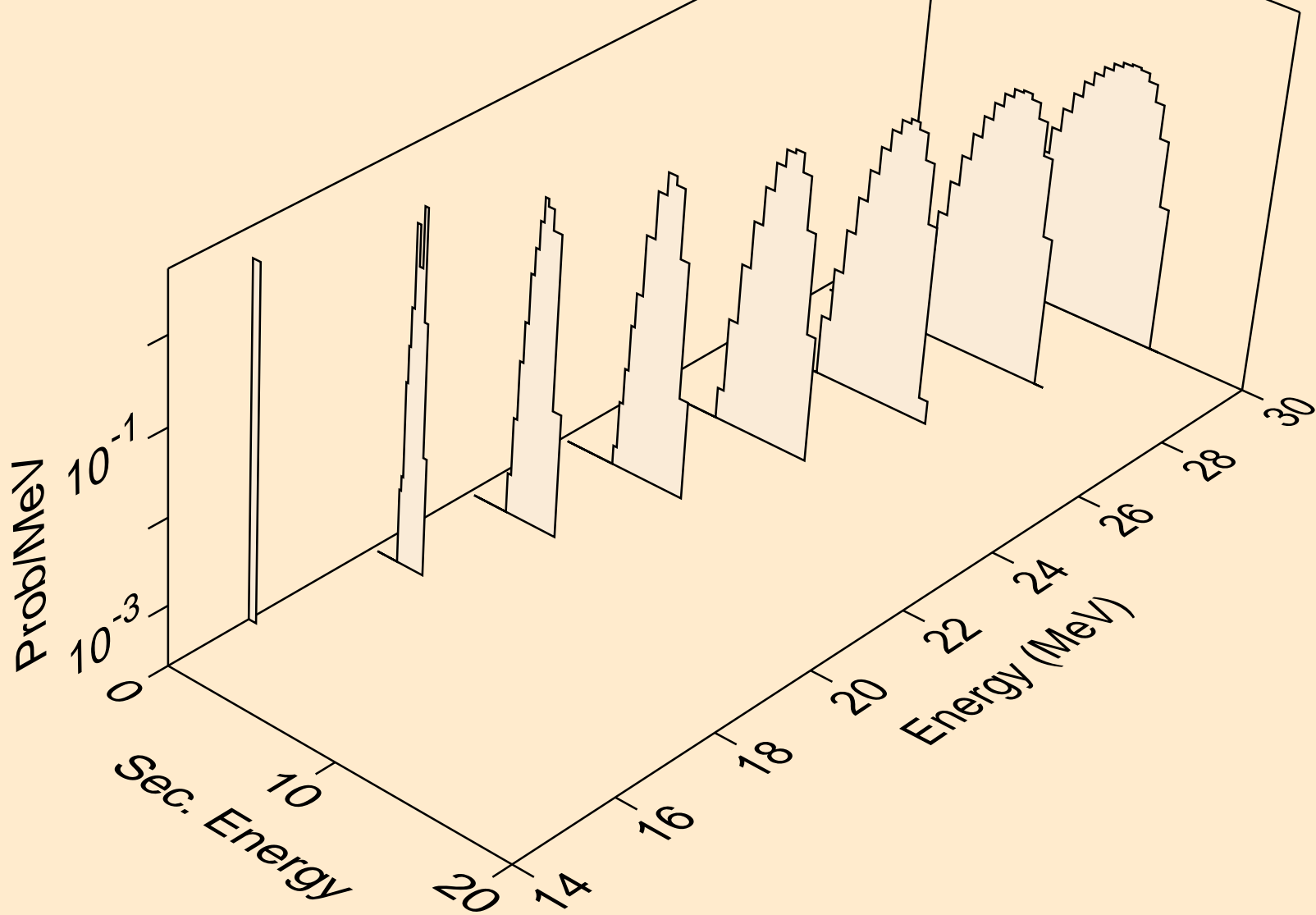
ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,n\*)p



ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,2np)

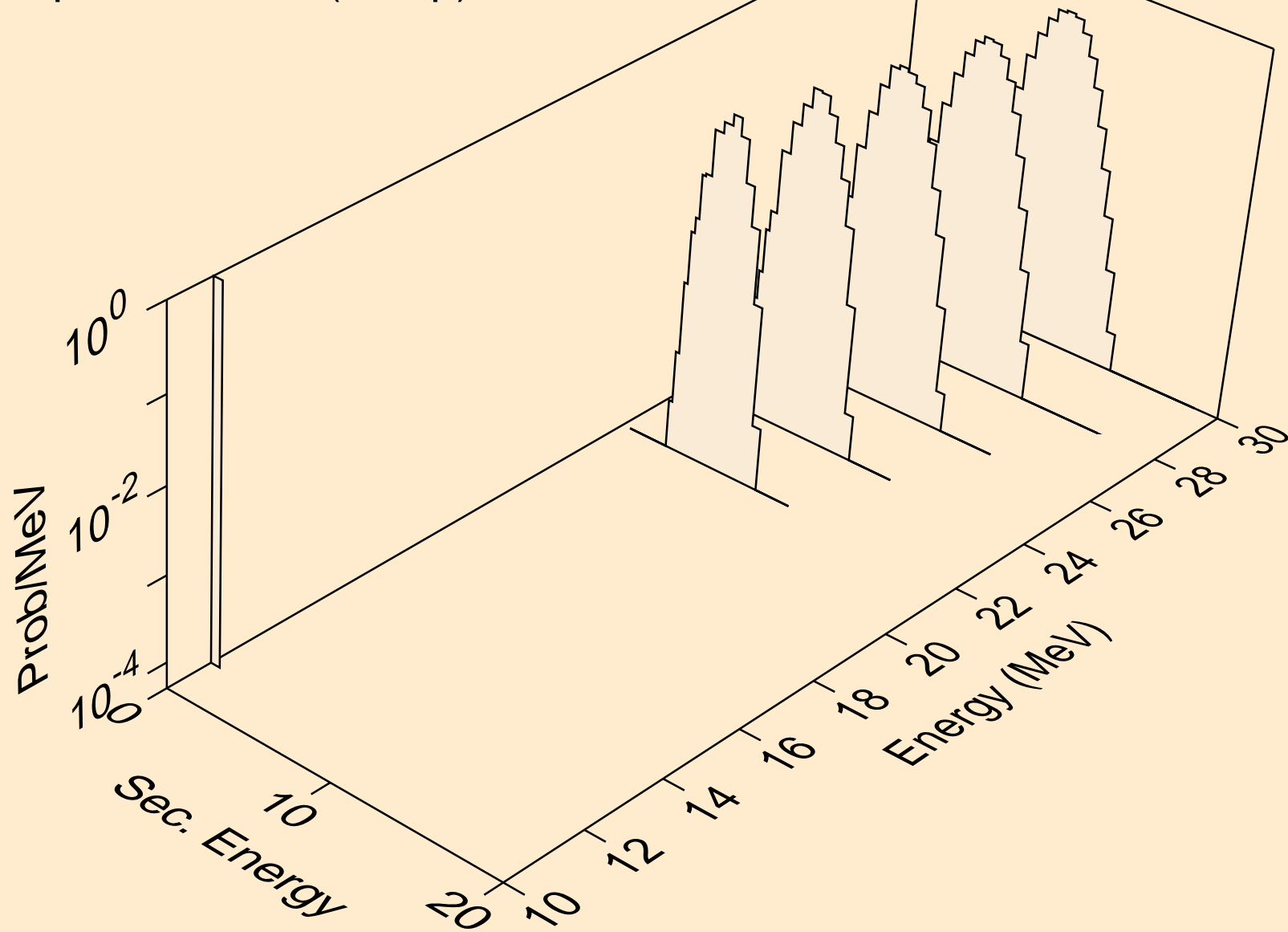


ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,3np)

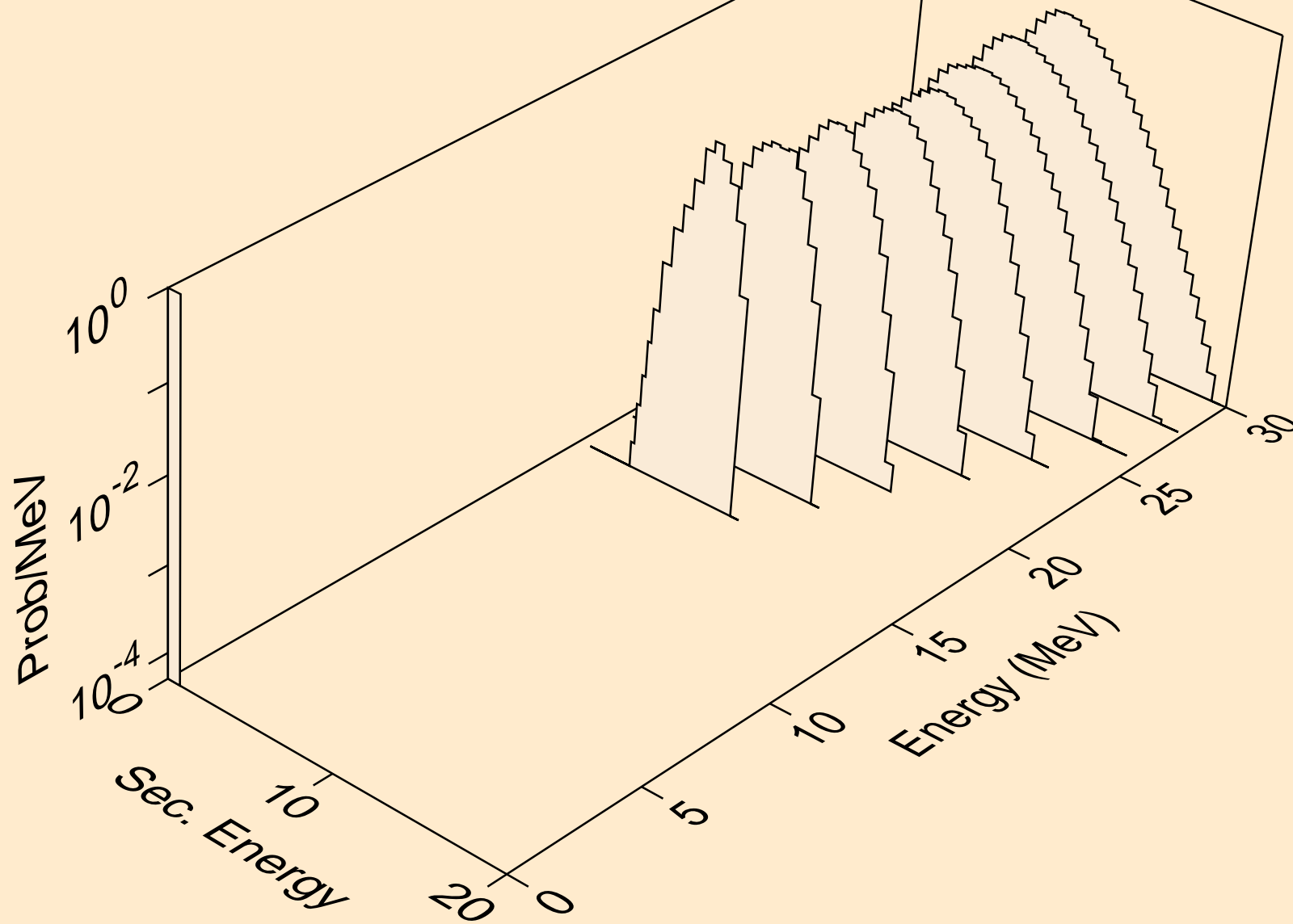




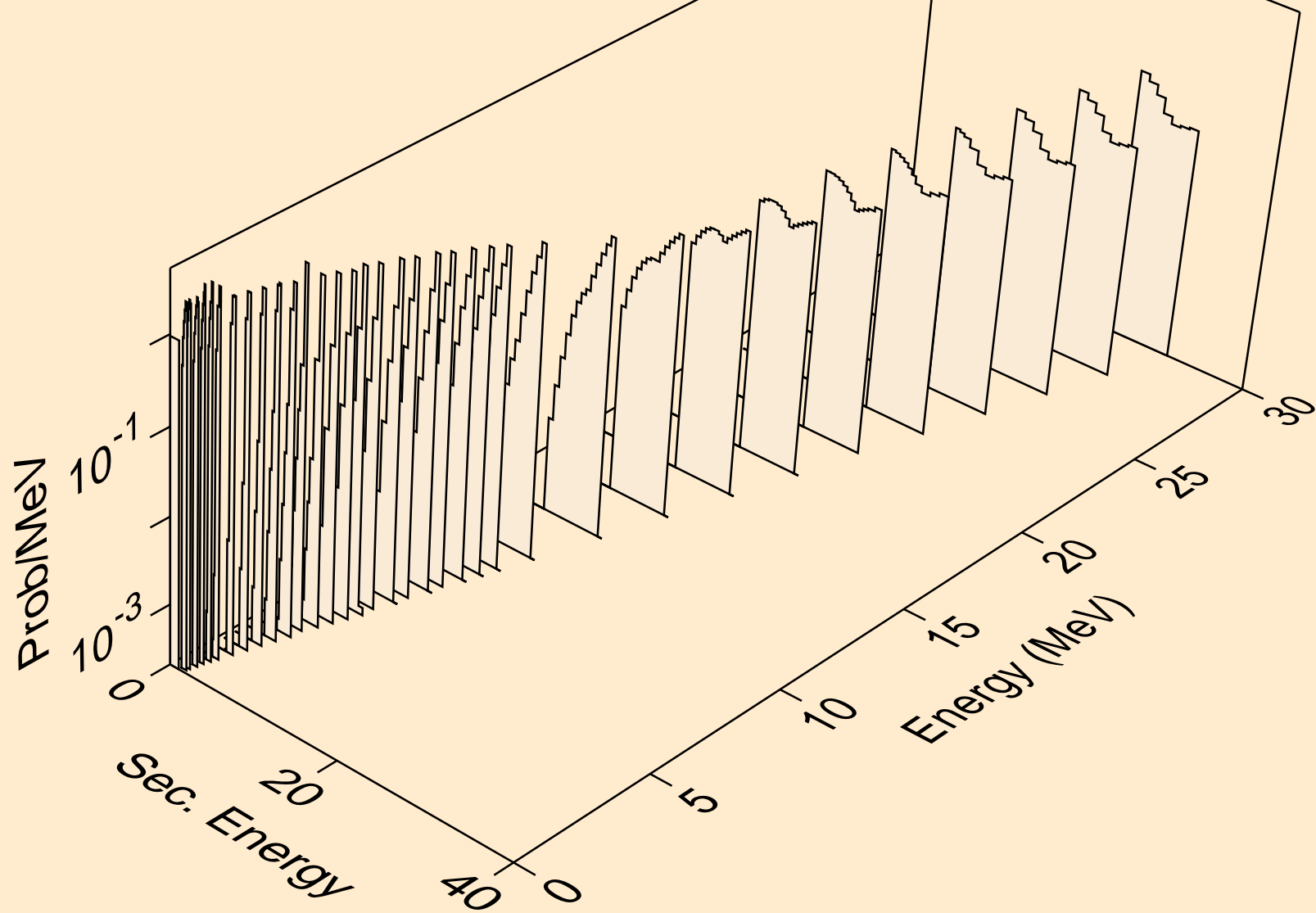
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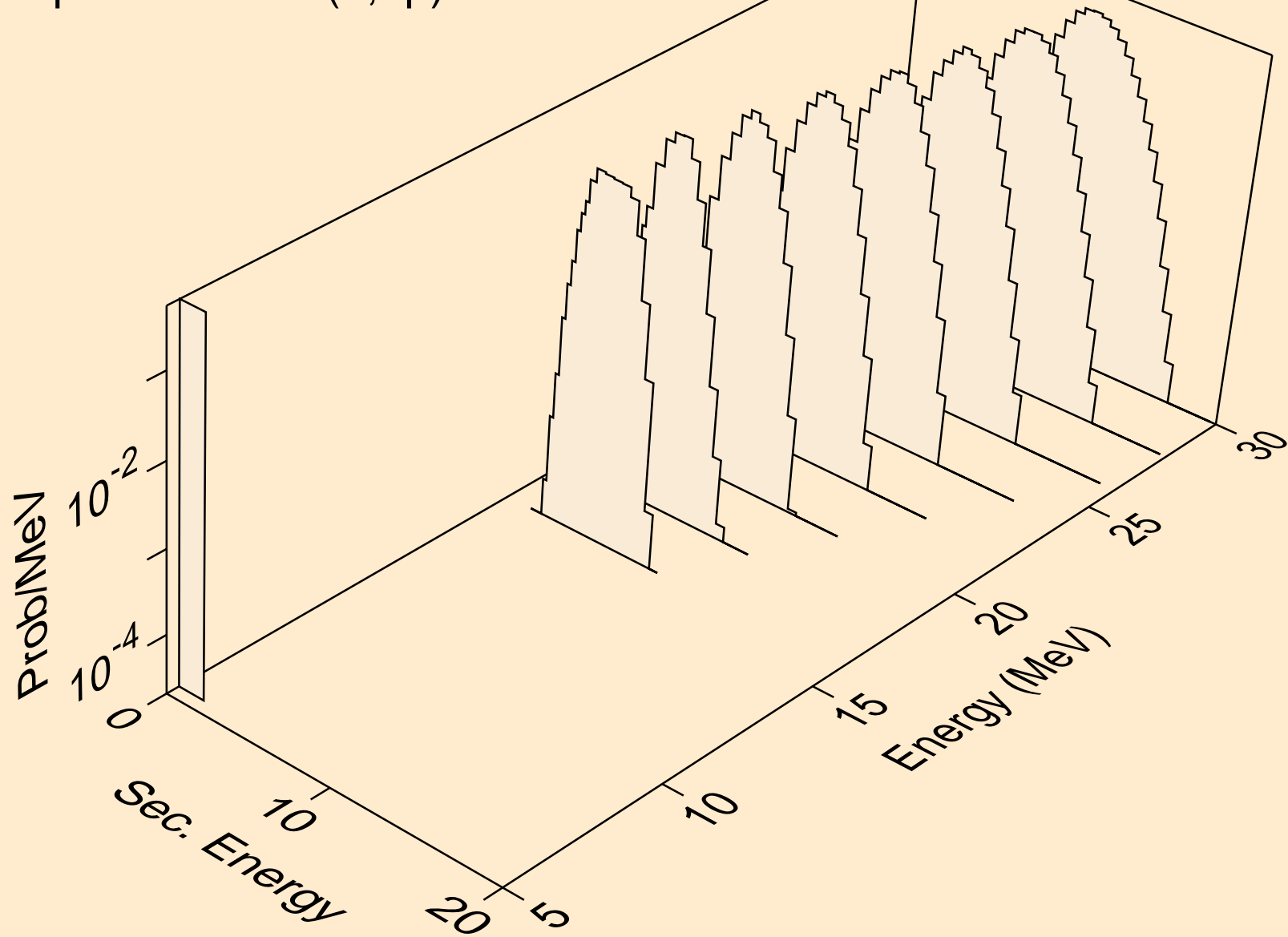
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protons from (n,npa)



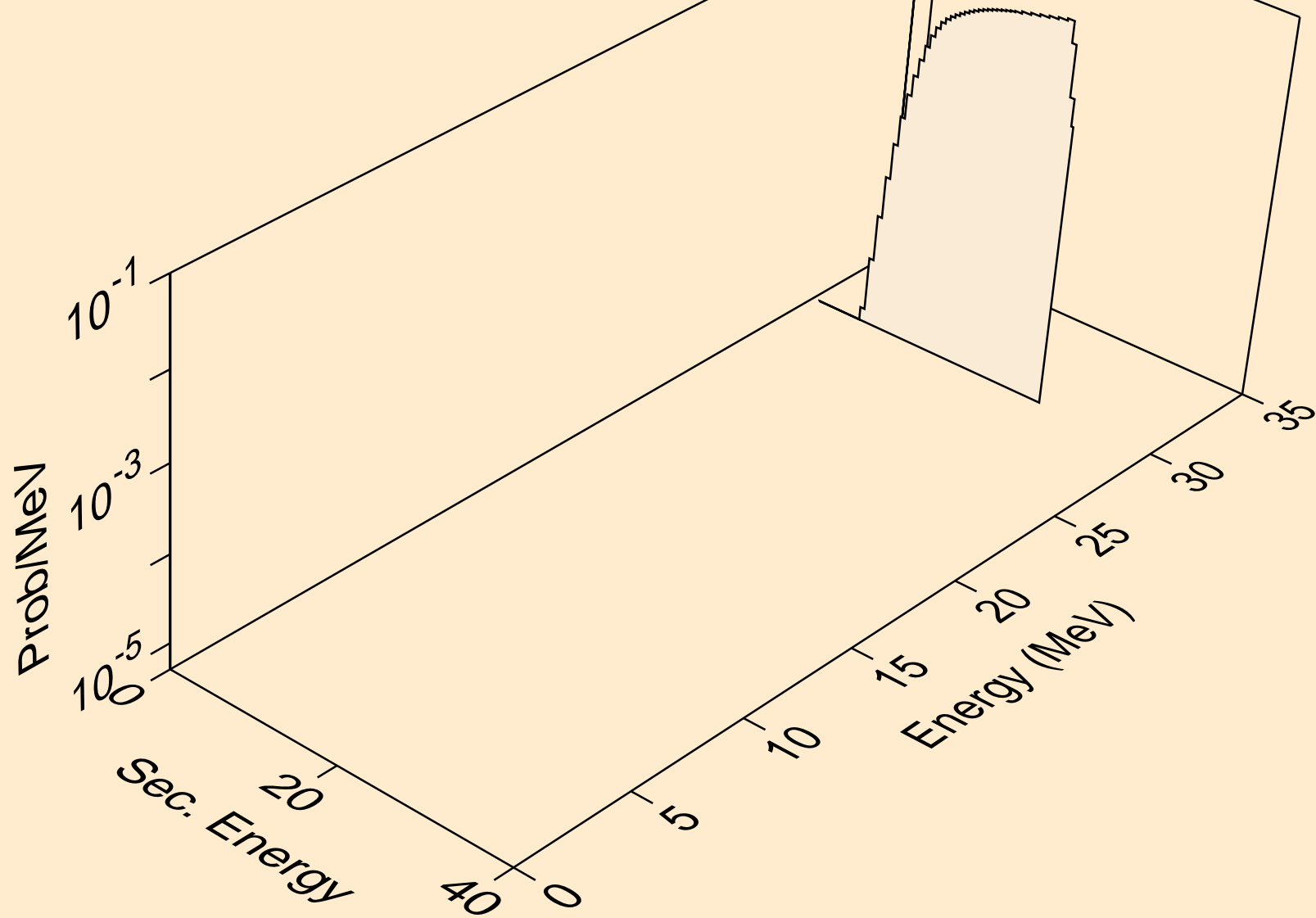
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protons from (n,p)



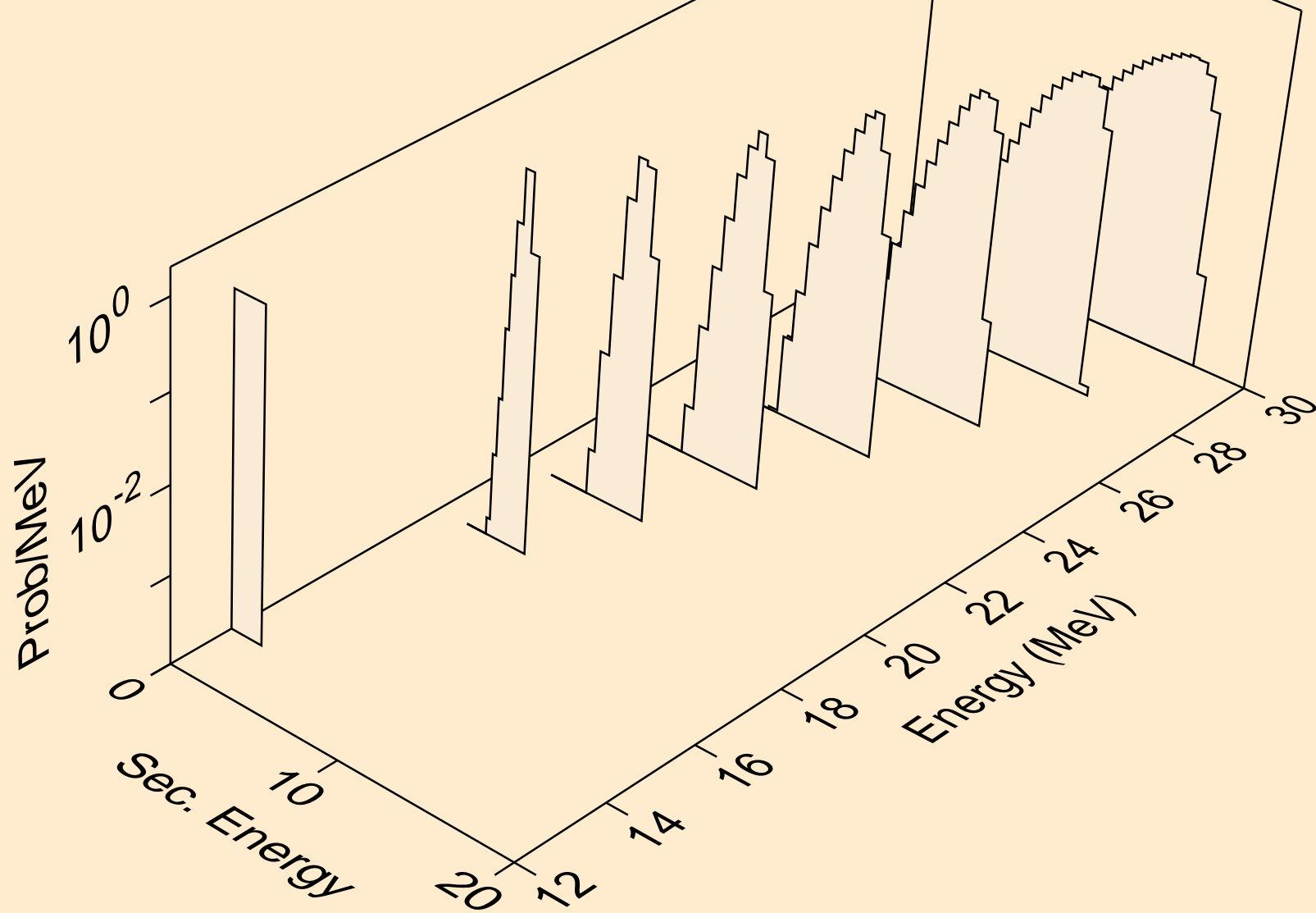
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protons from (n,2p)



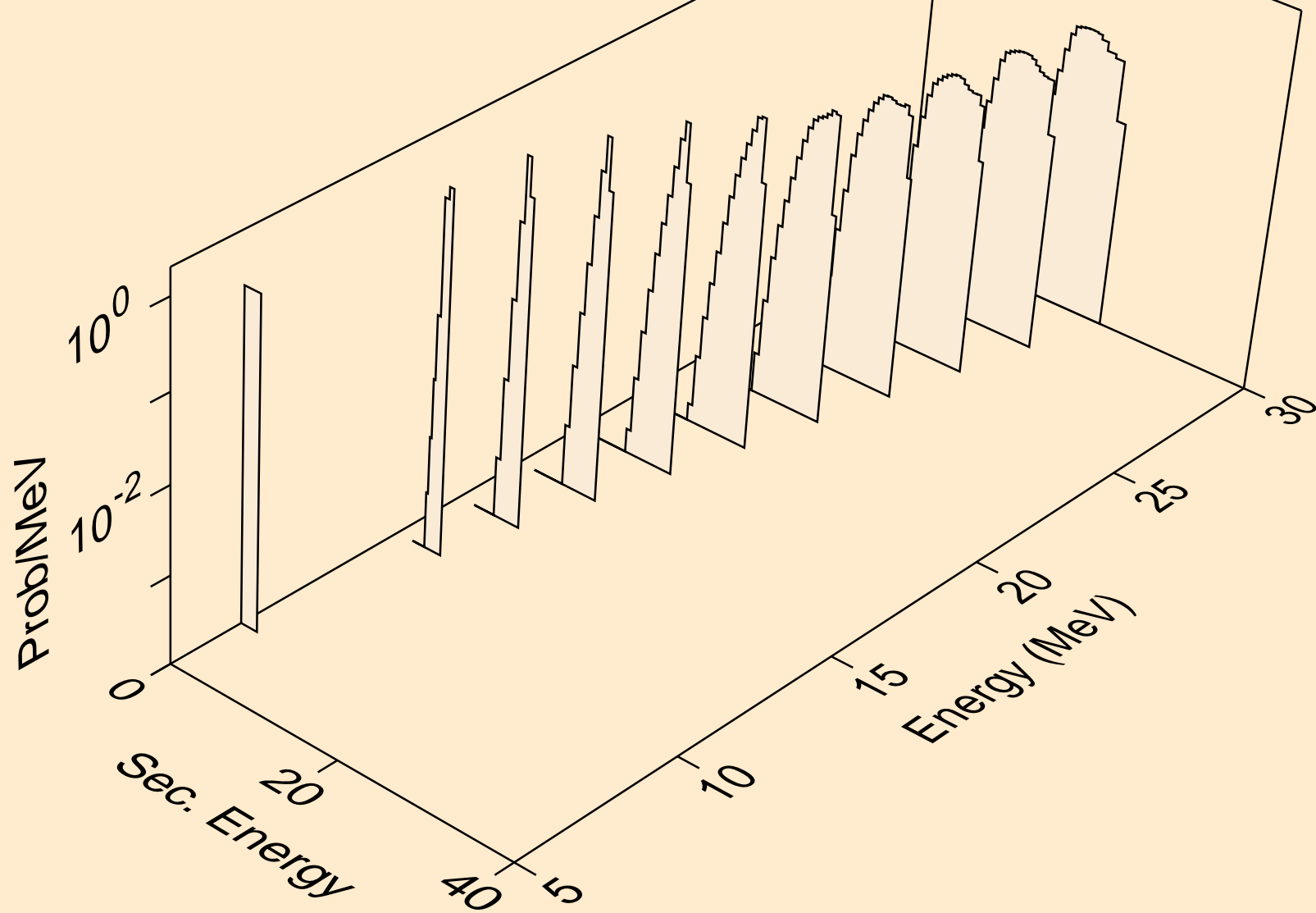
ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,x)



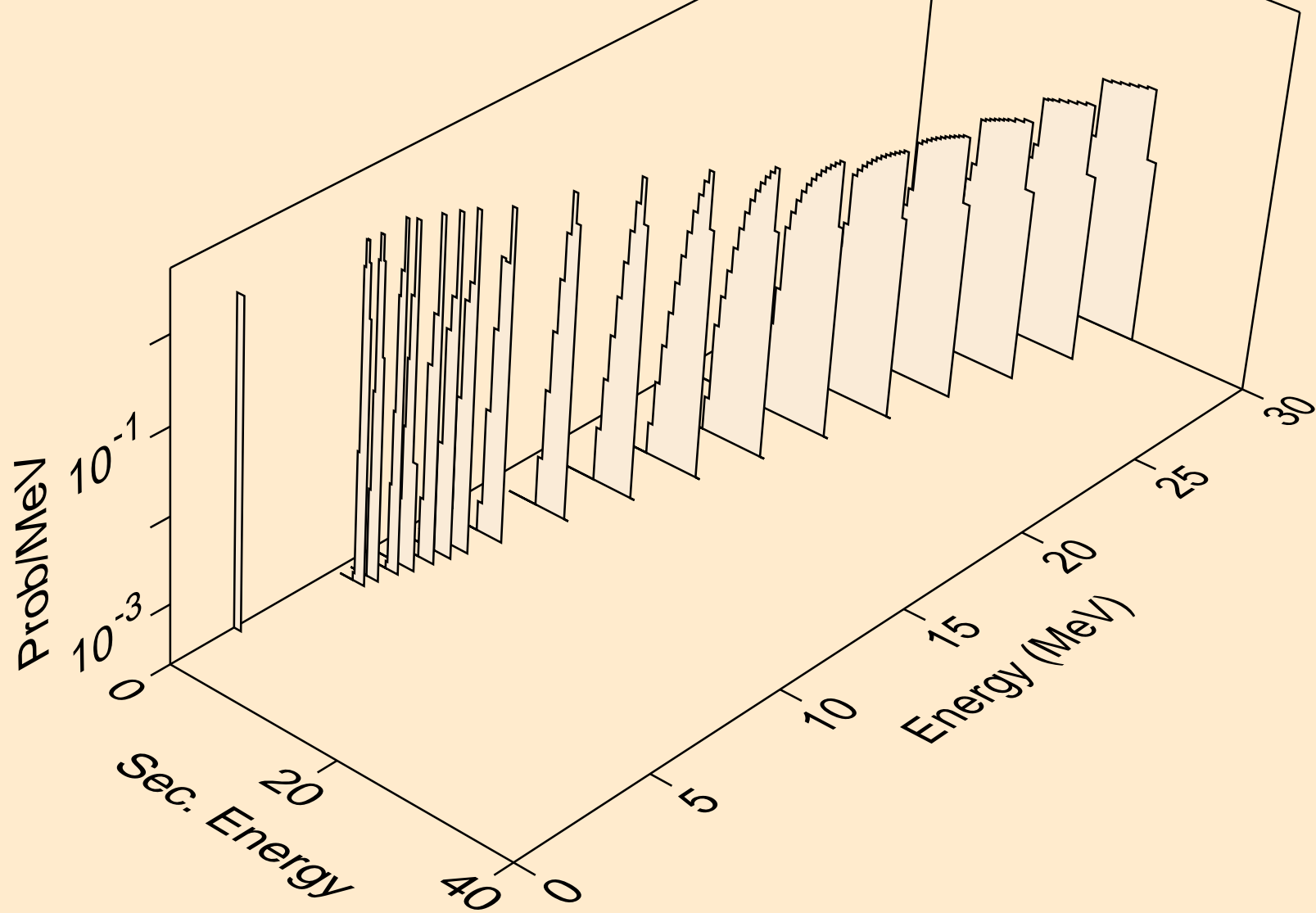
ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,2nd)



ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,n\*)d

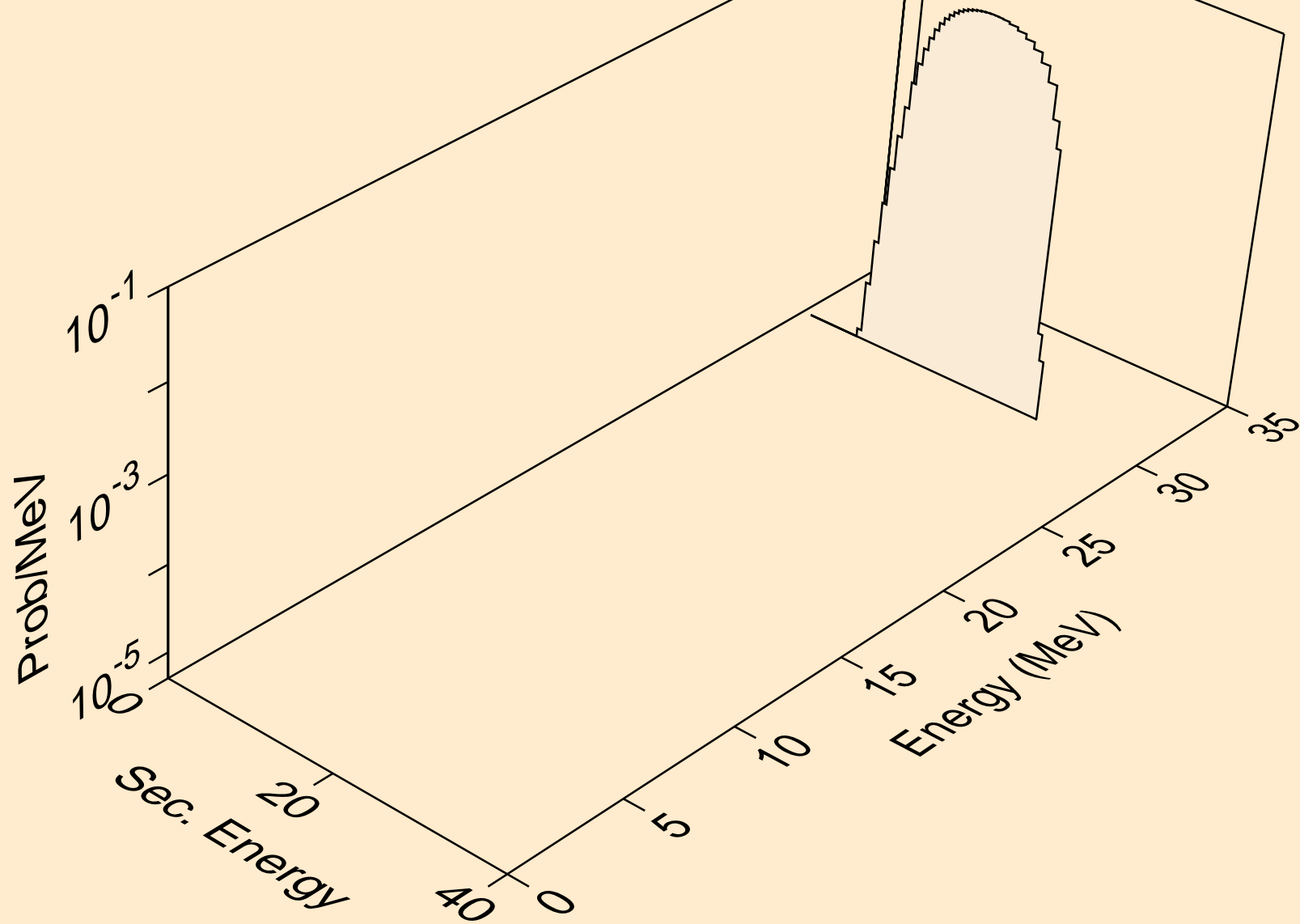


ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,d)

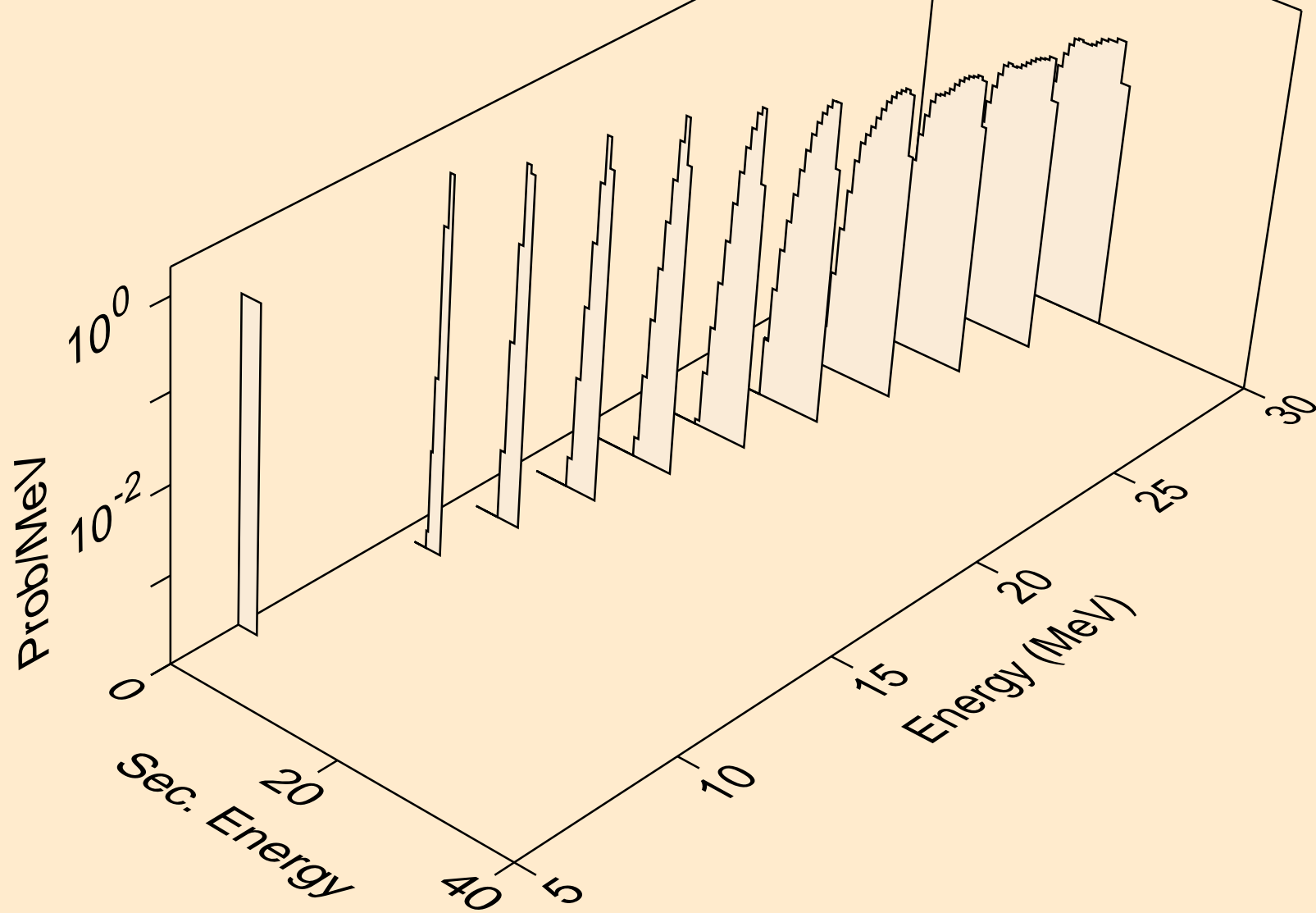




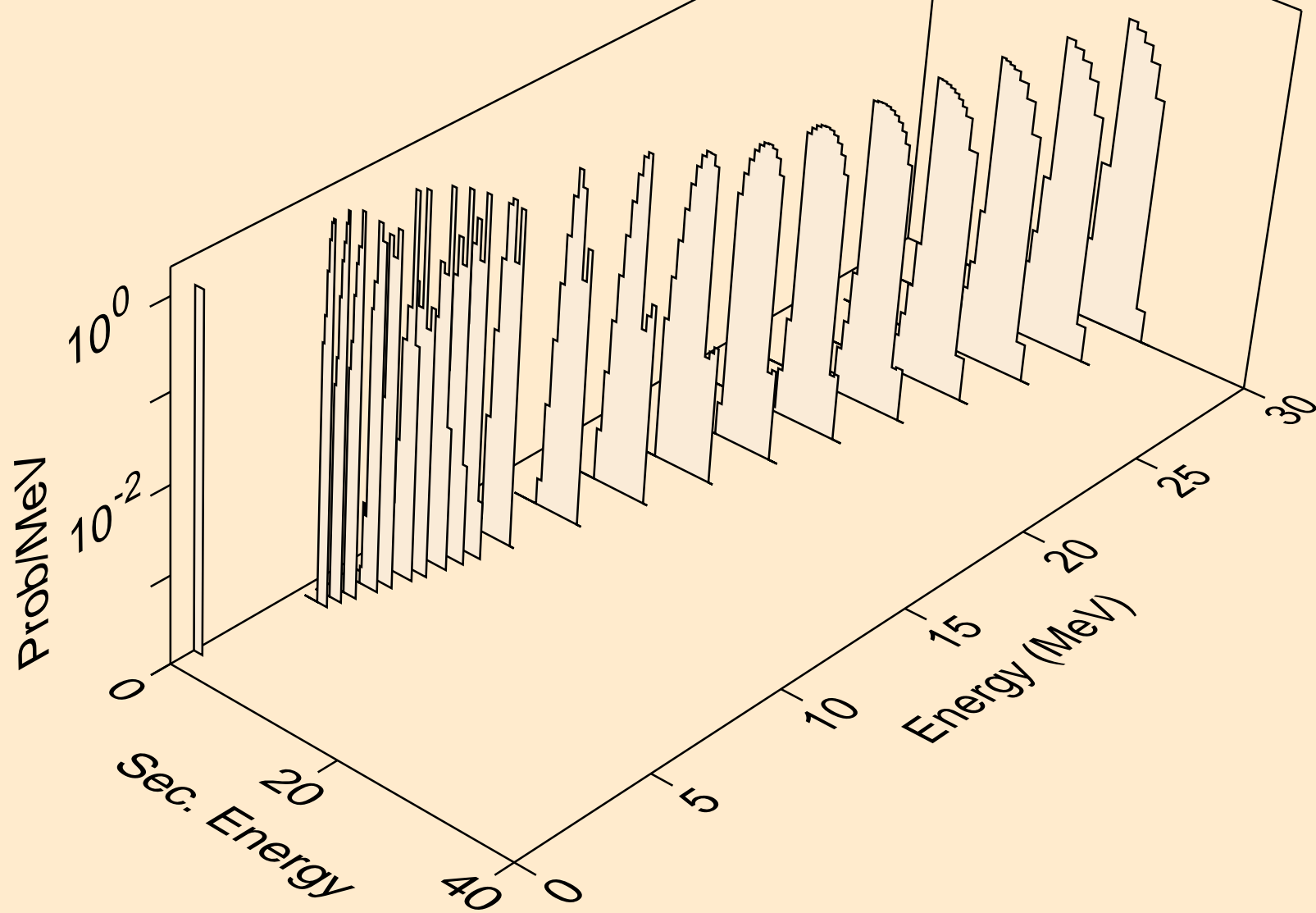
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tritons from (n,x)



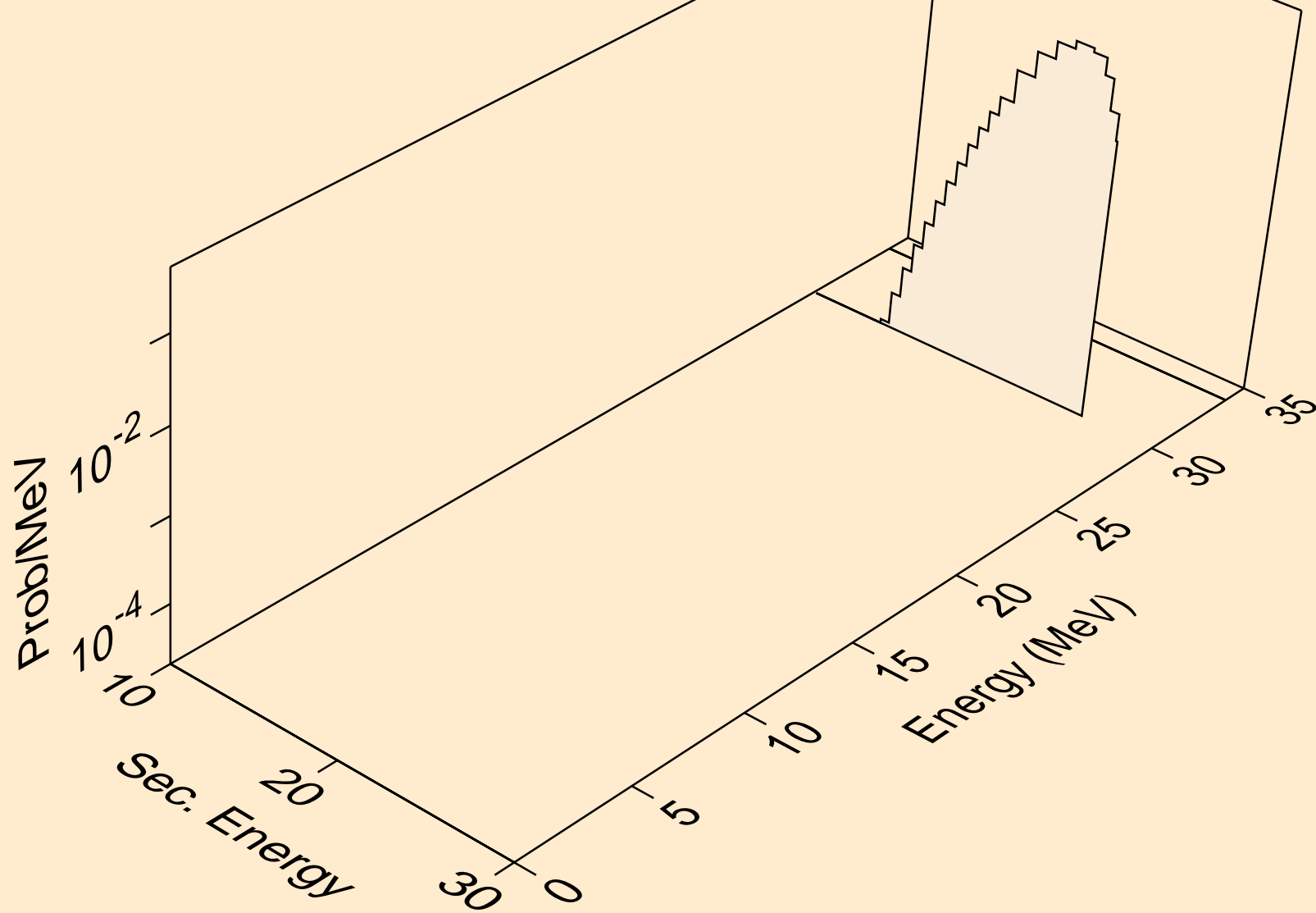
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tritons from (n,n\*)t



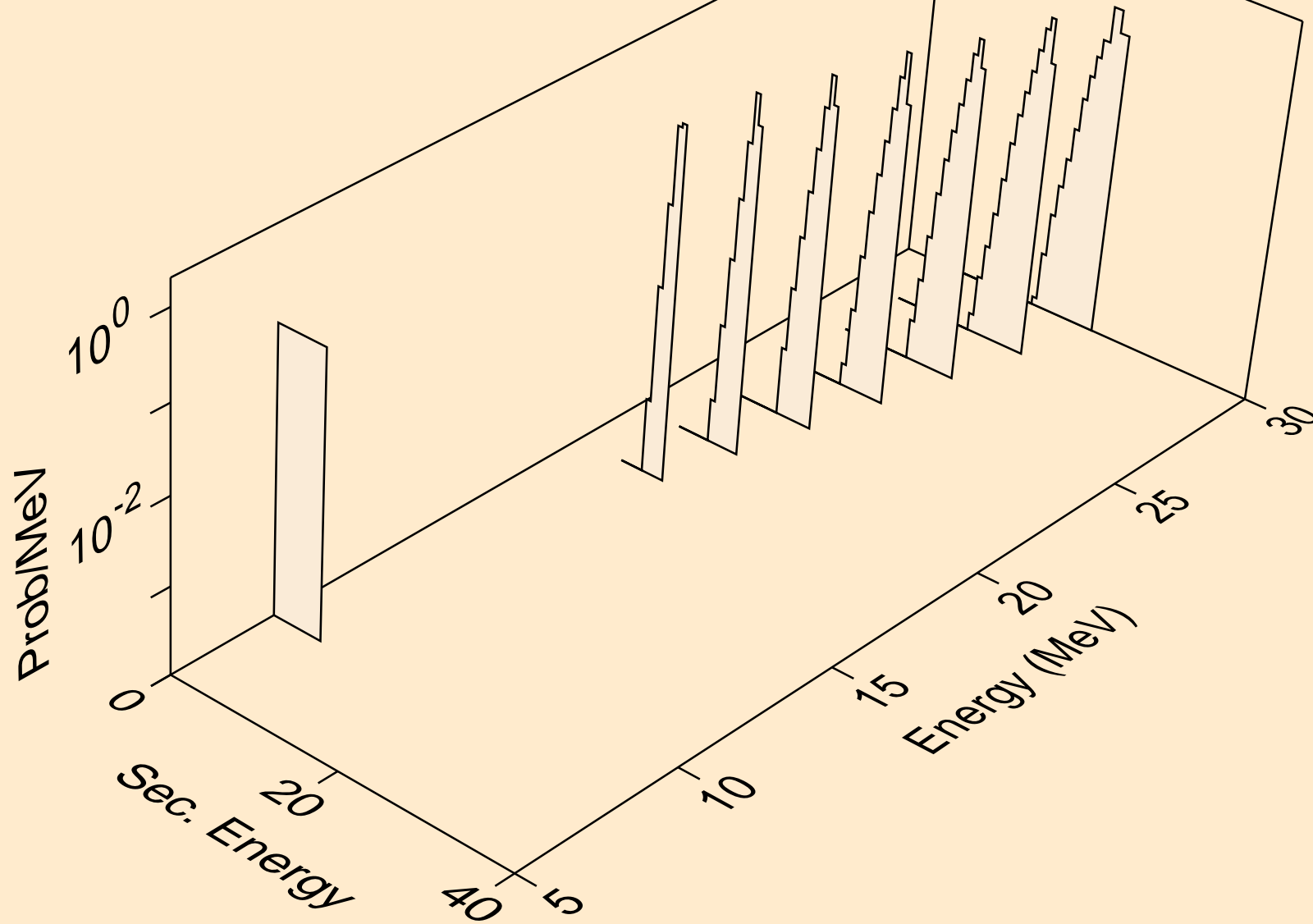
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tritons from (n,t)



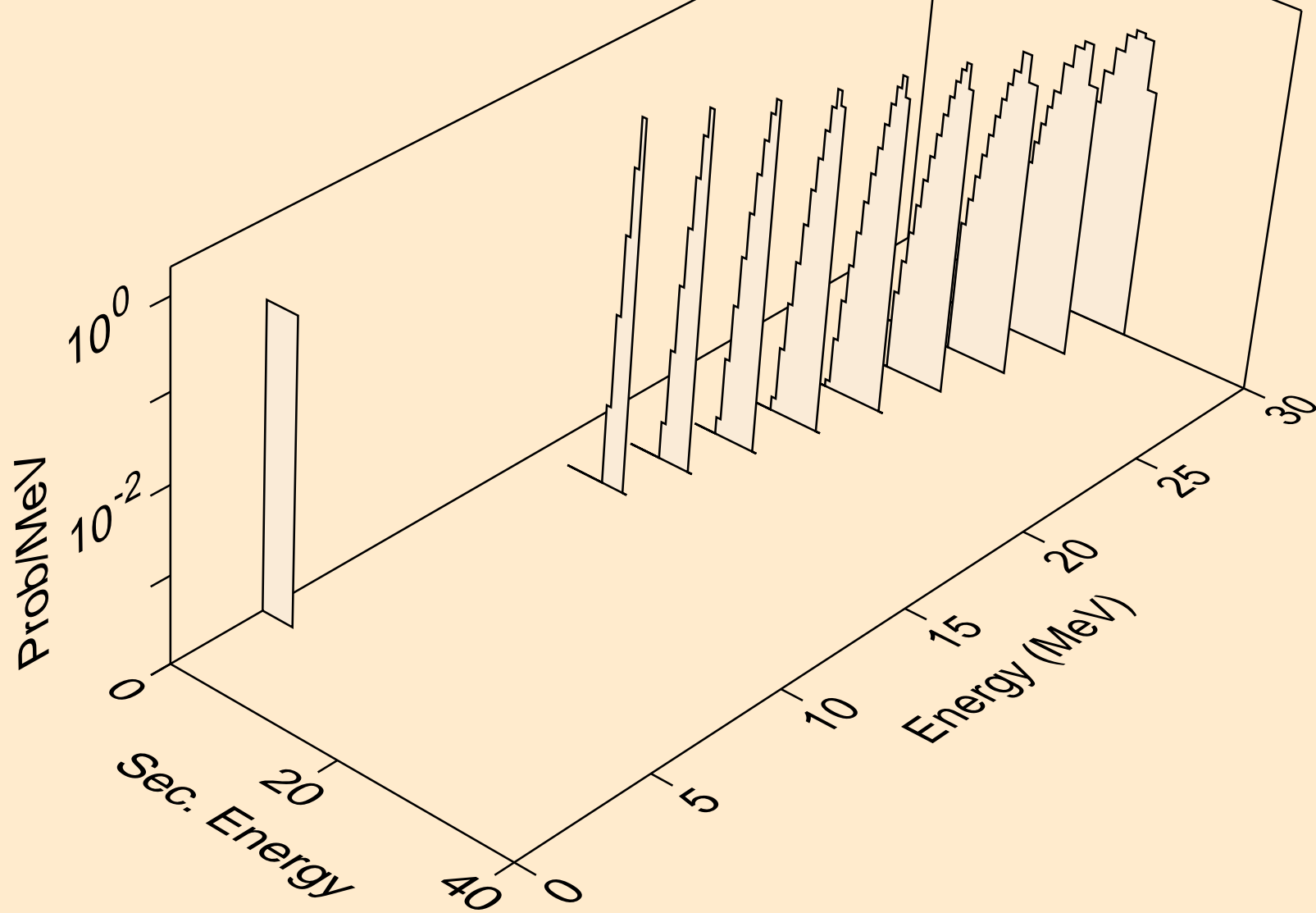
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he3s from (n,x)



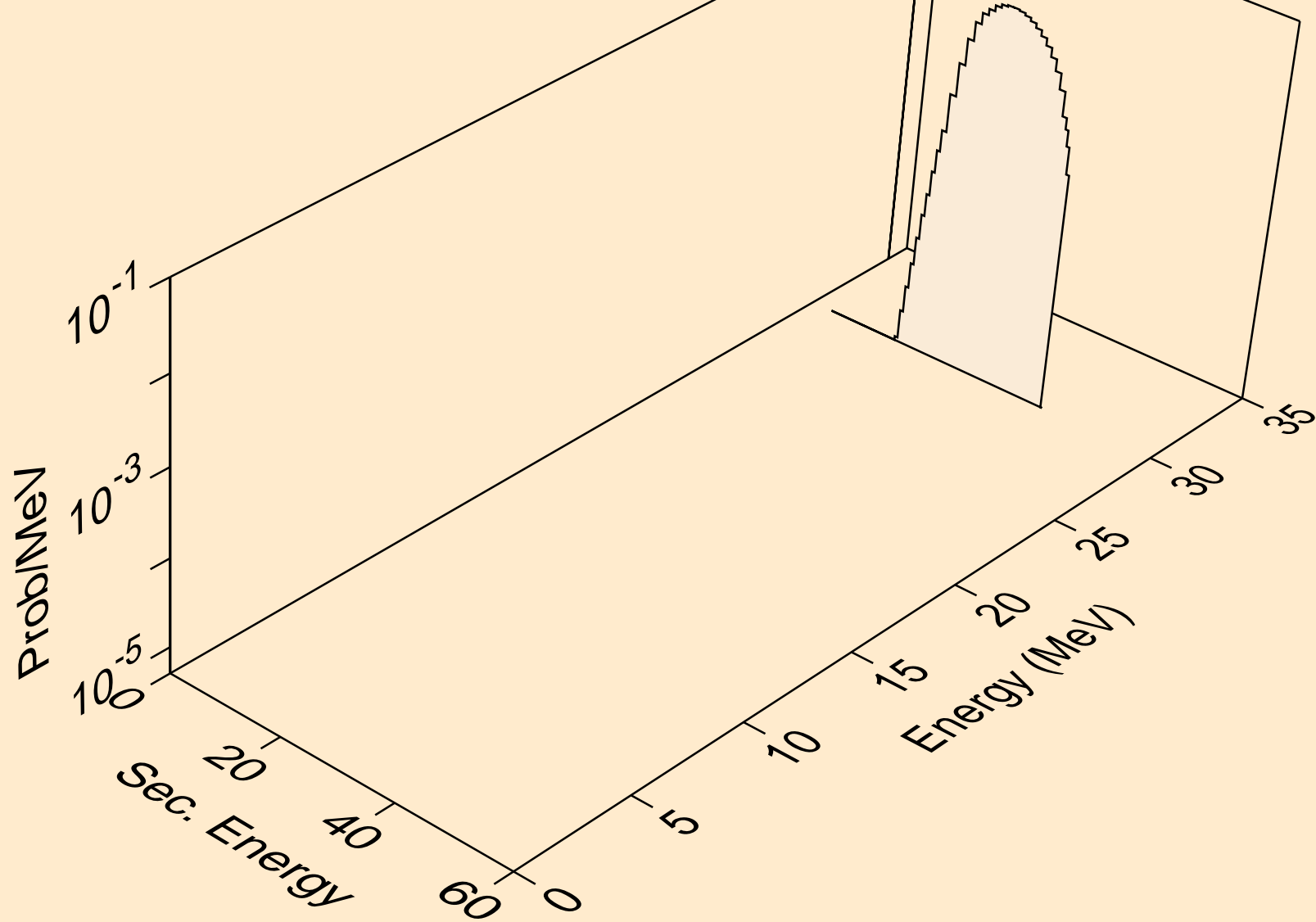
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he3s from (n,n\*)he3



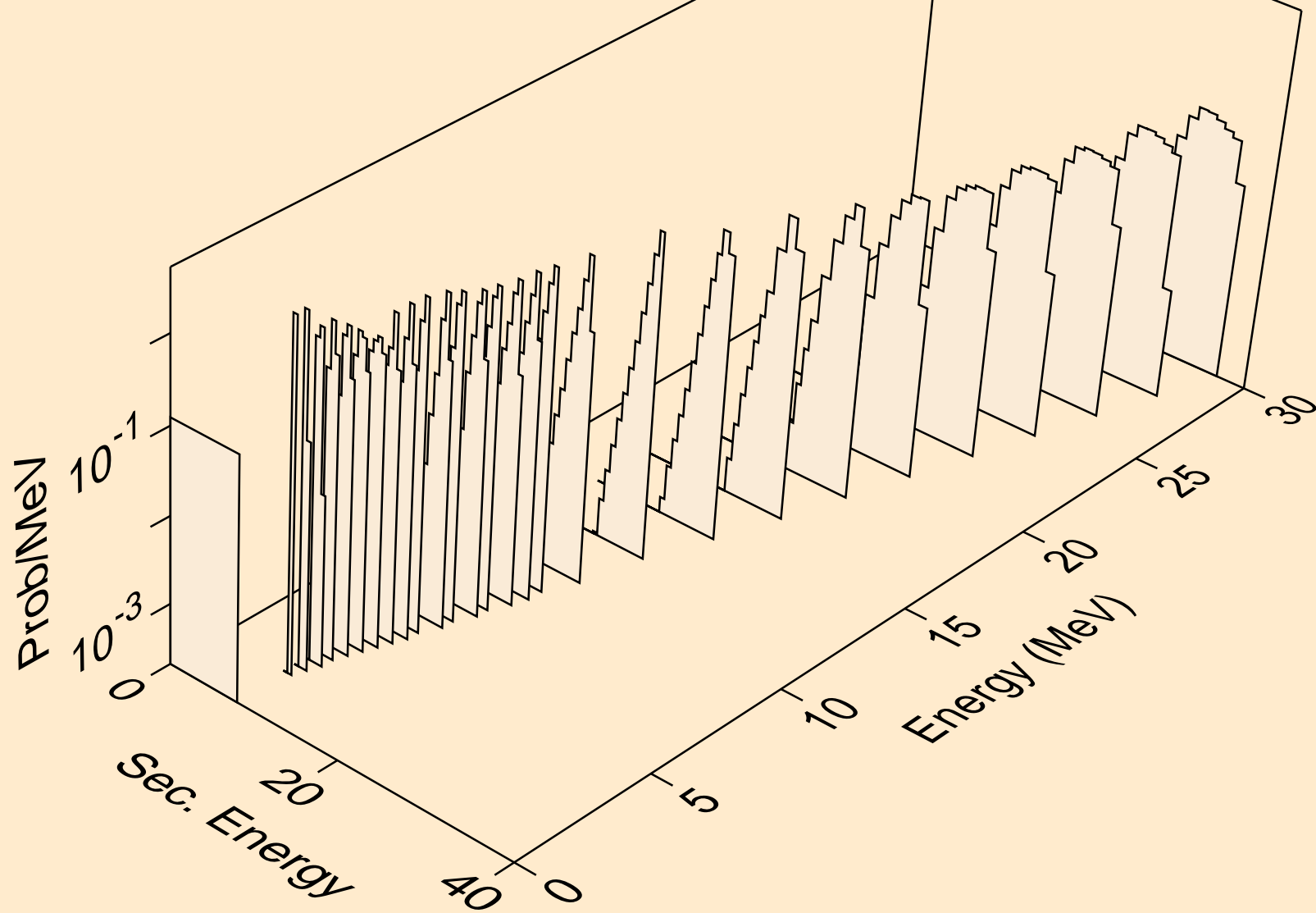
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he3s from (n,he3)



ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,x)

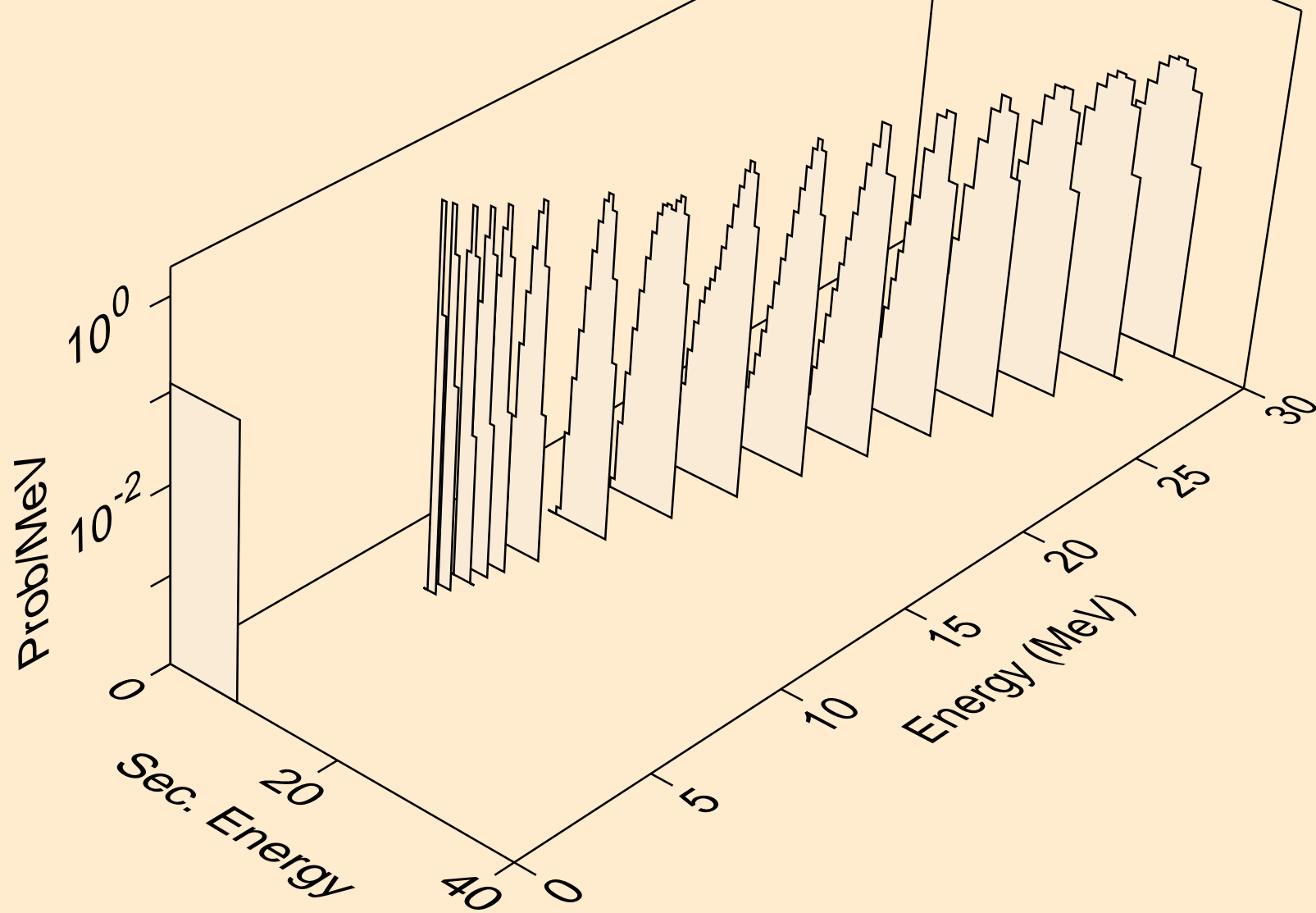


ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,n\*)a

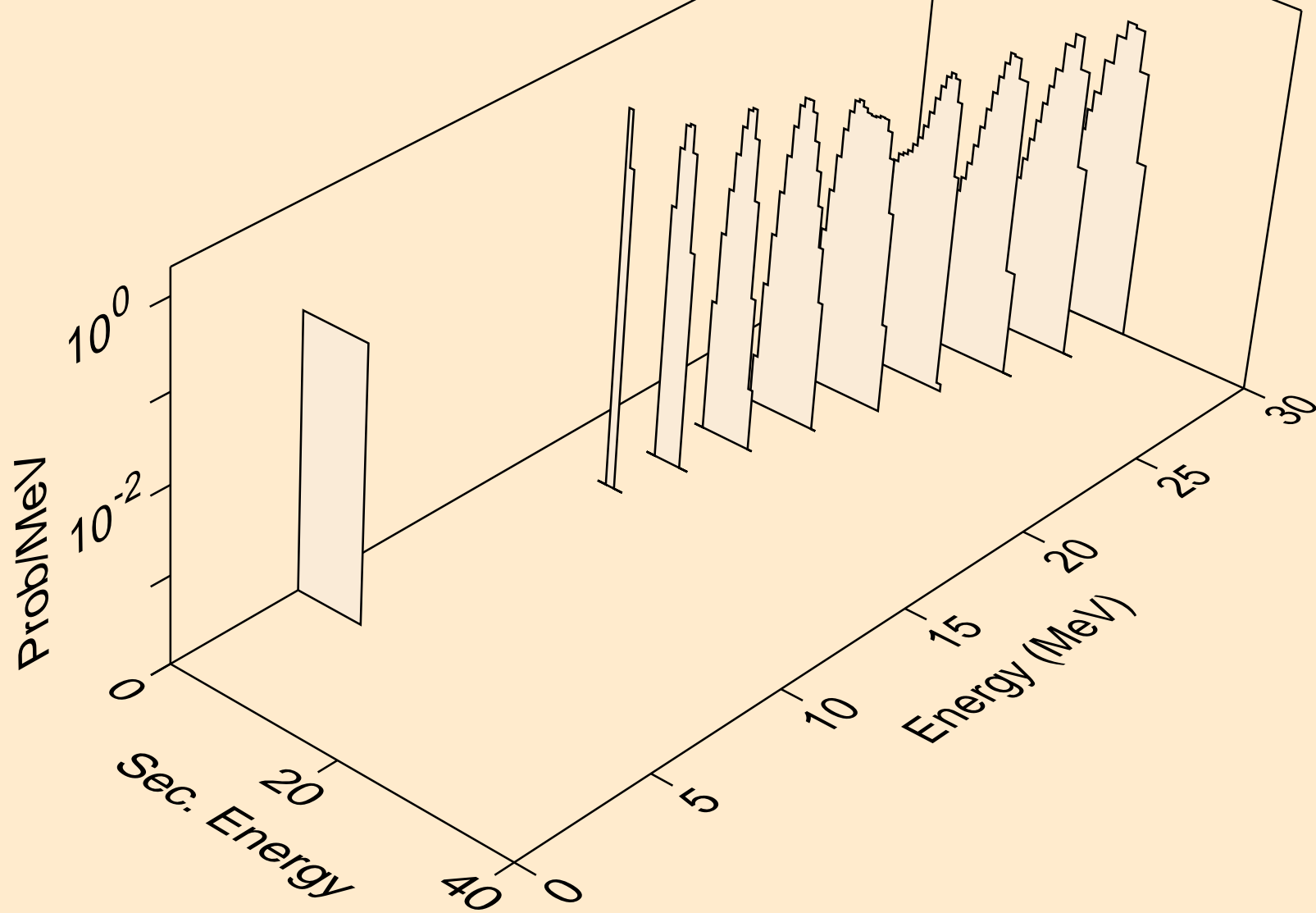




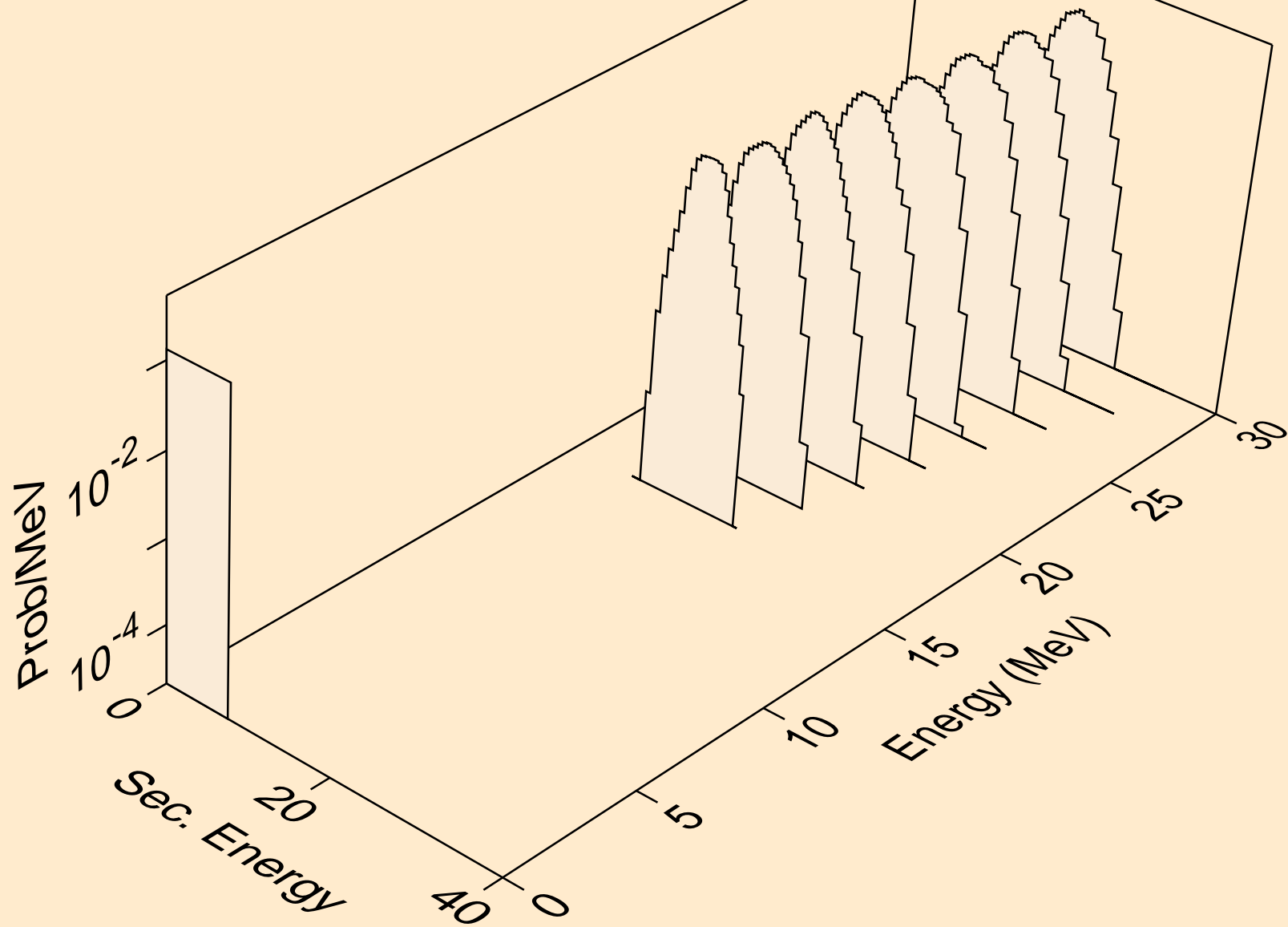
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alphas from (n,2n)a



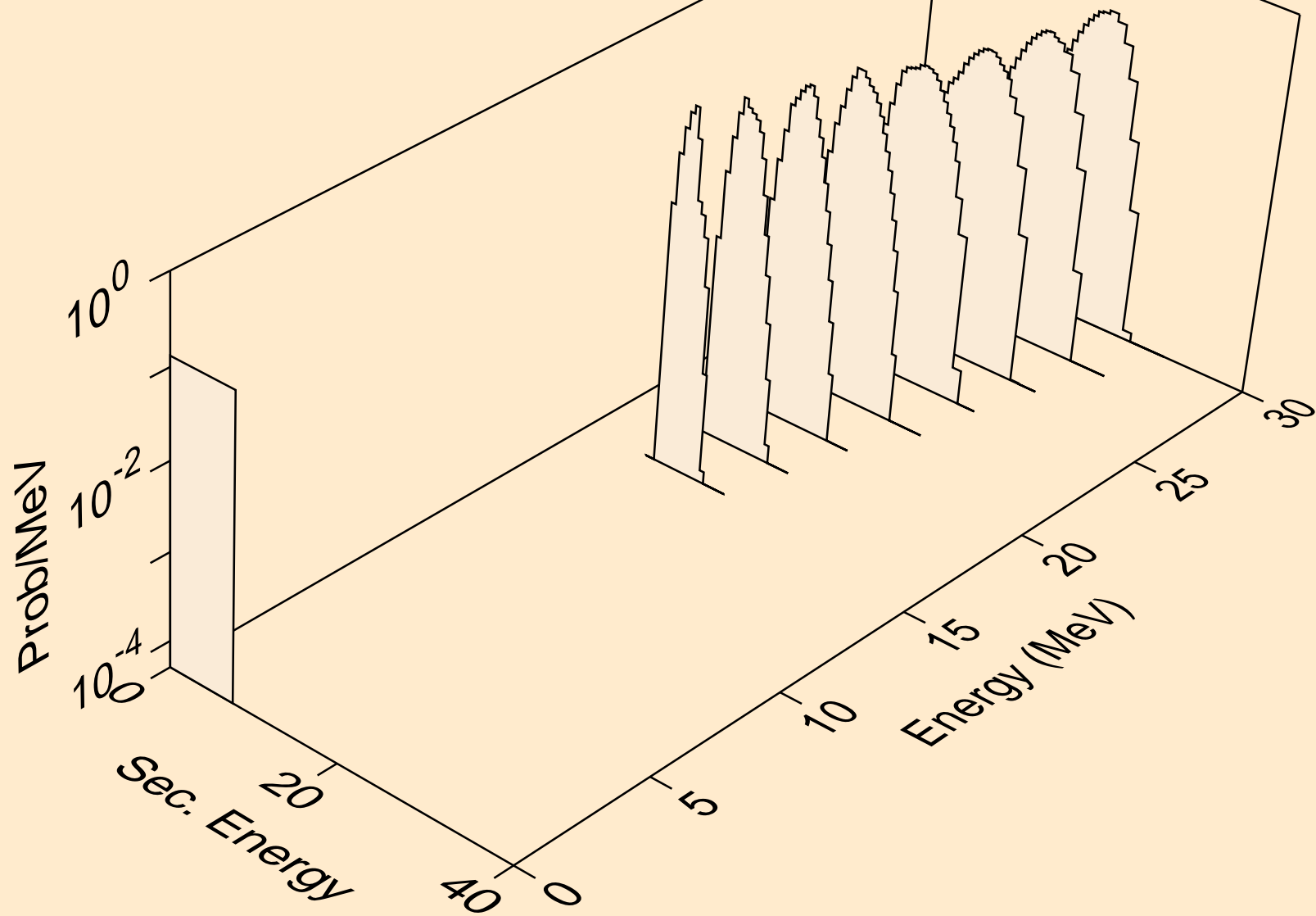
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alphas from (n,3n)a



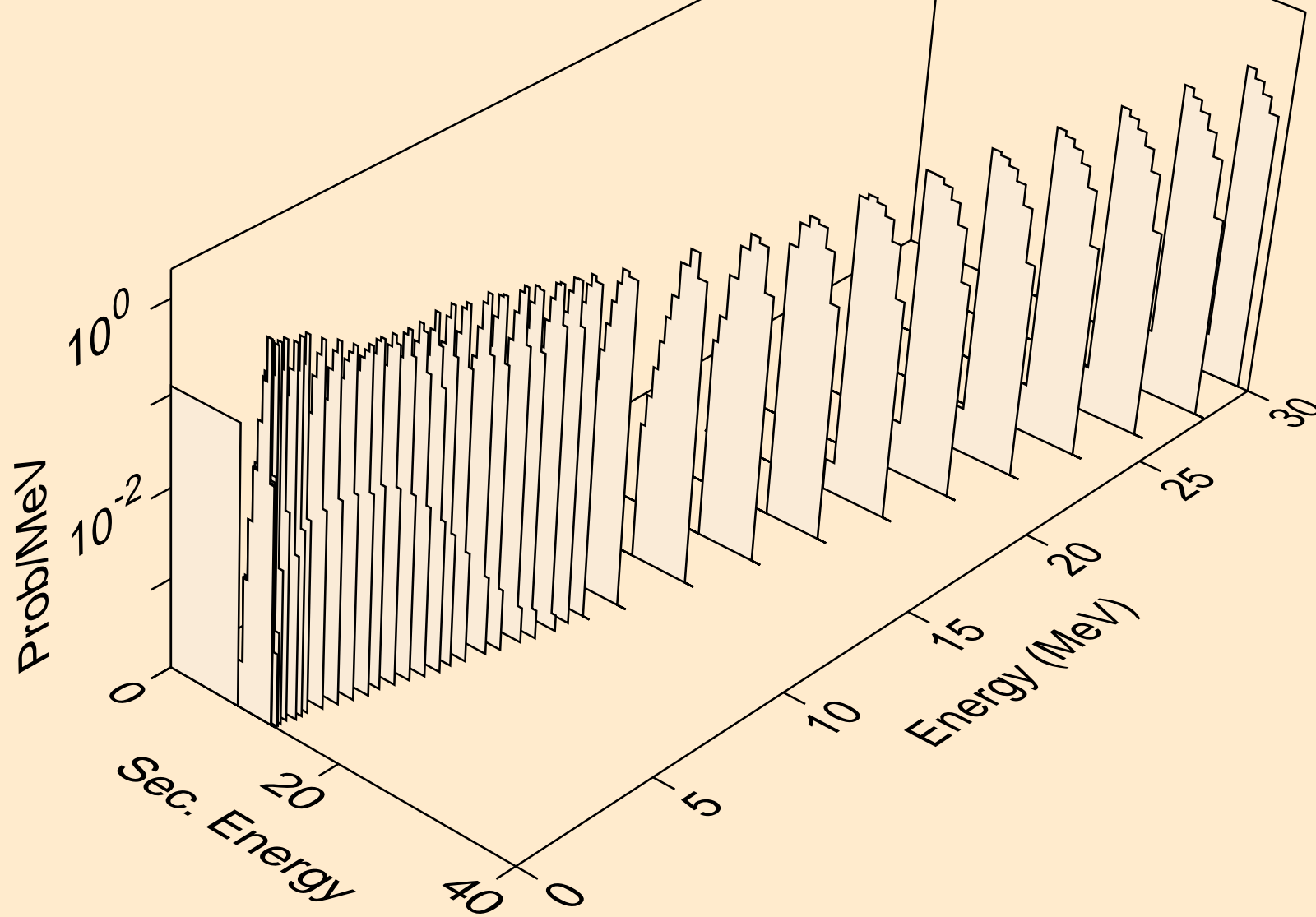
ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,n\*)2a



ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,npa)



ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,a)



ES254M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2a)

