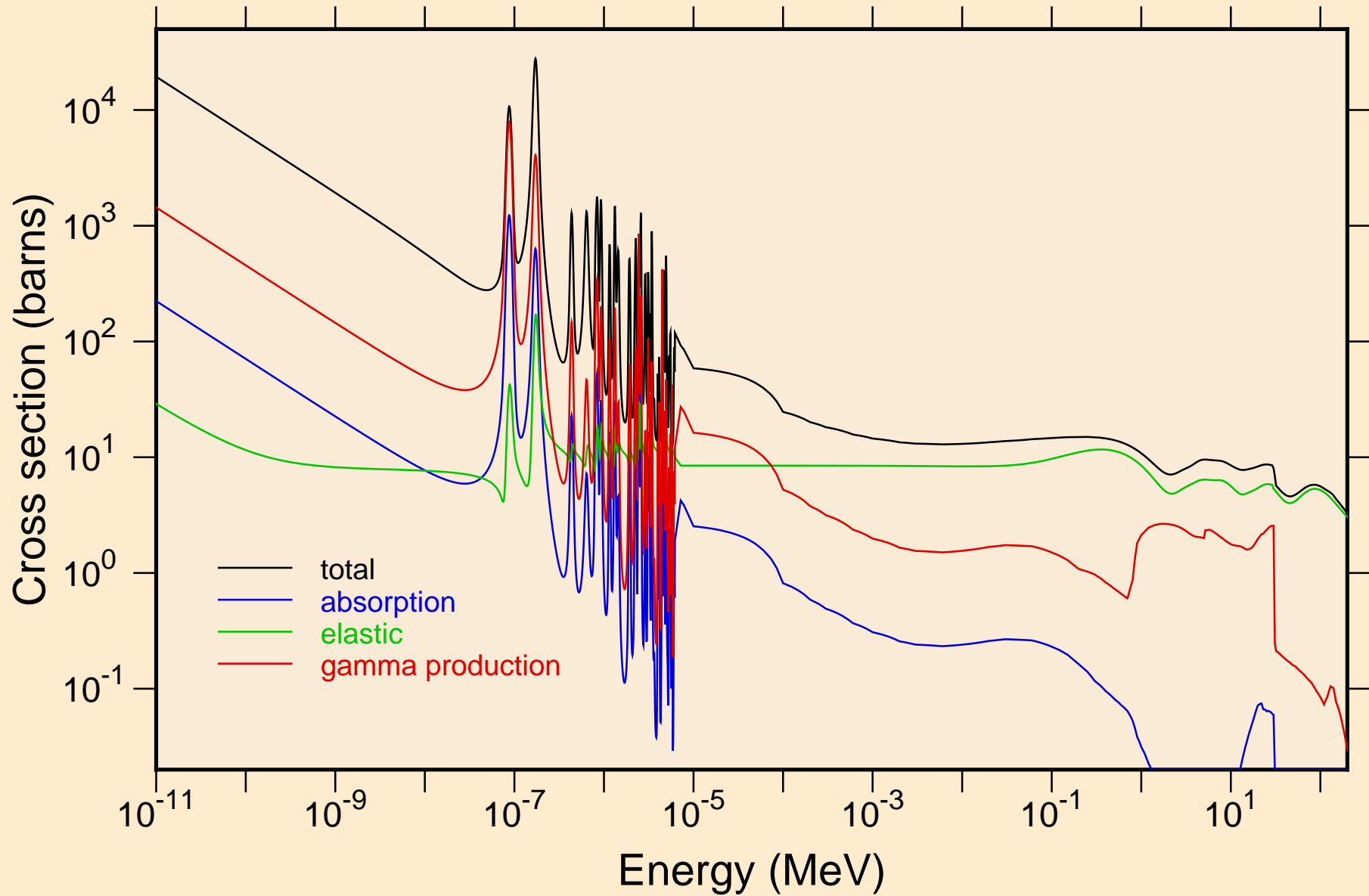
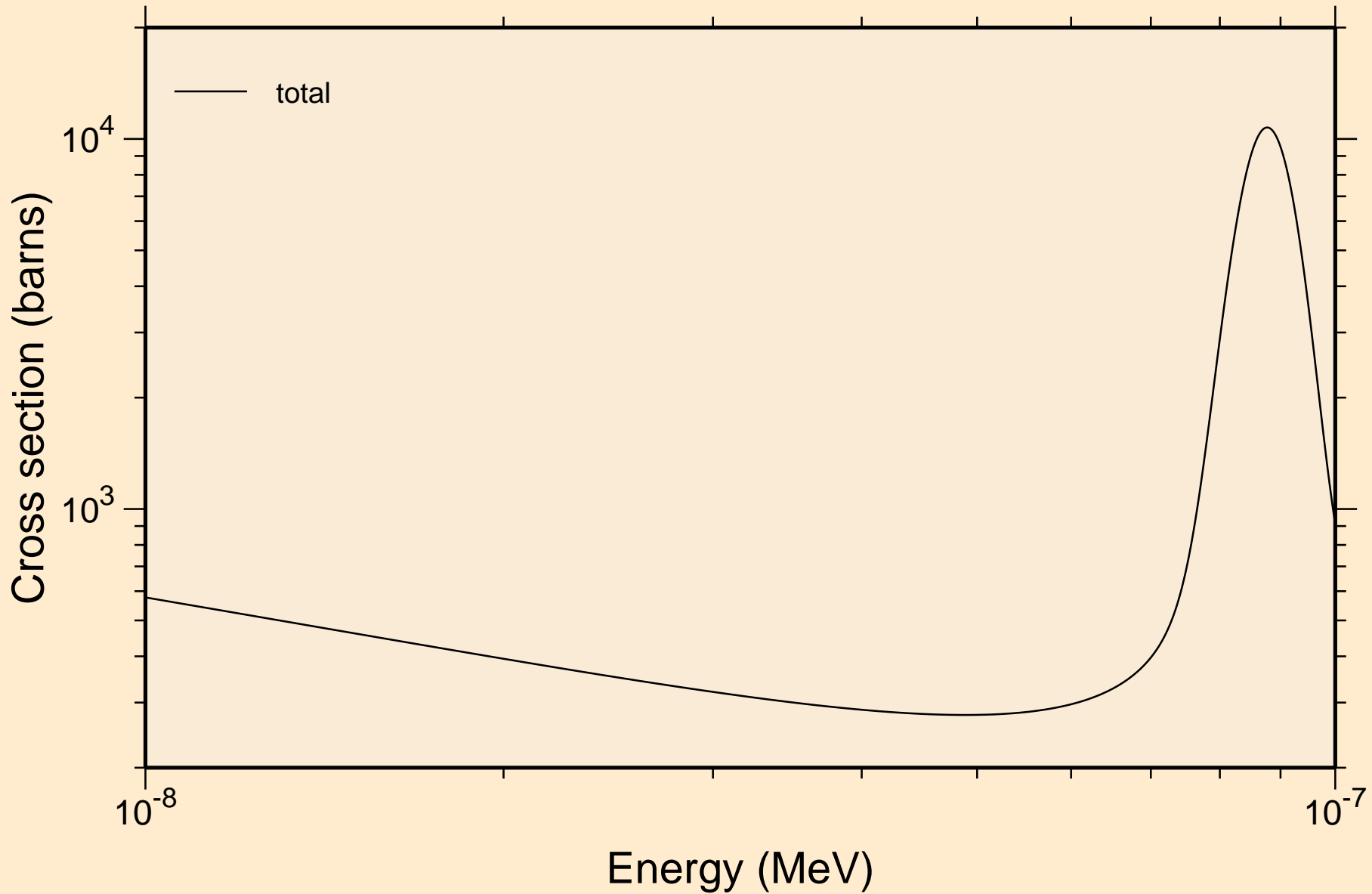


# RF255 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

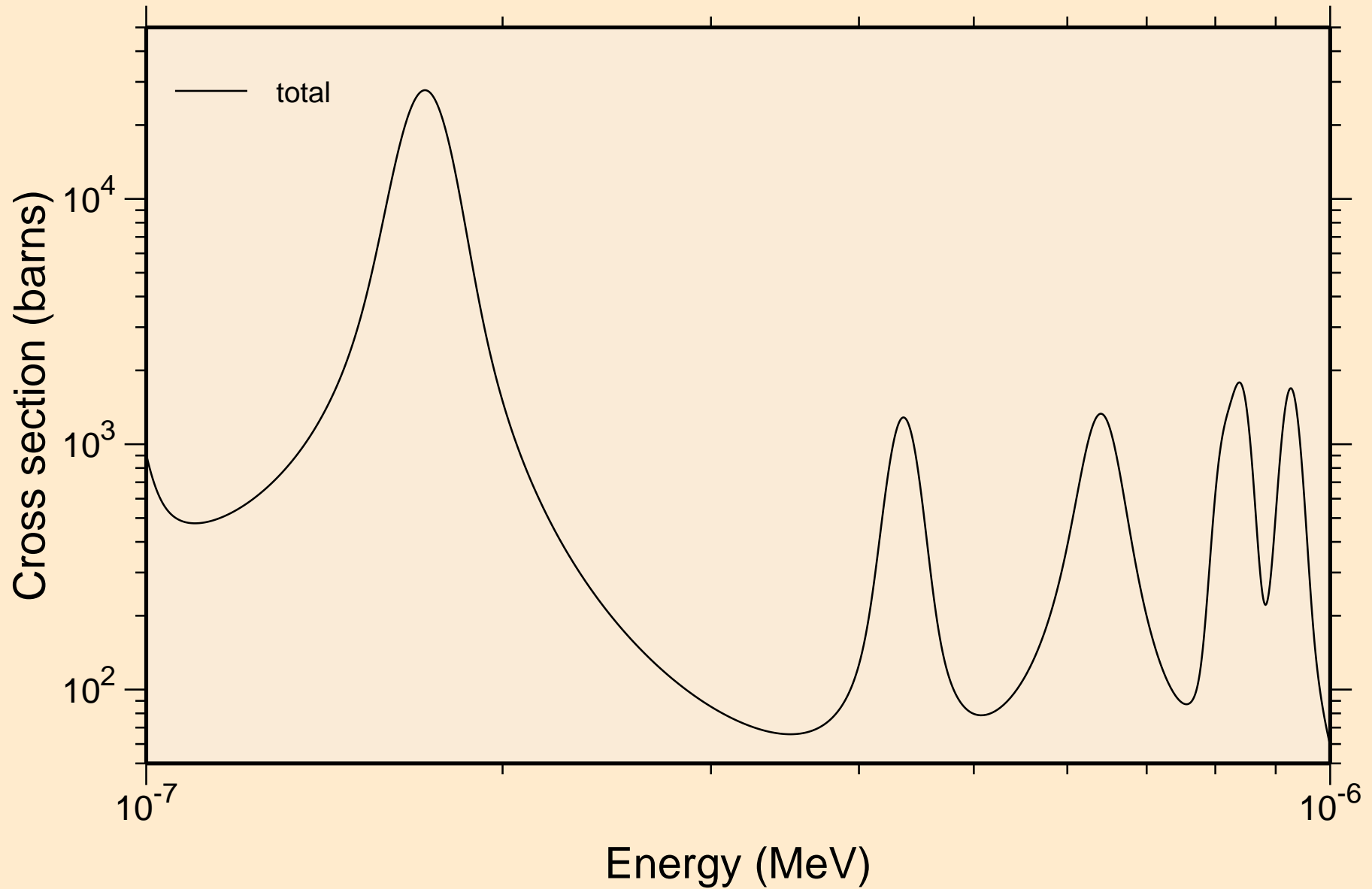
## Principal cross sections



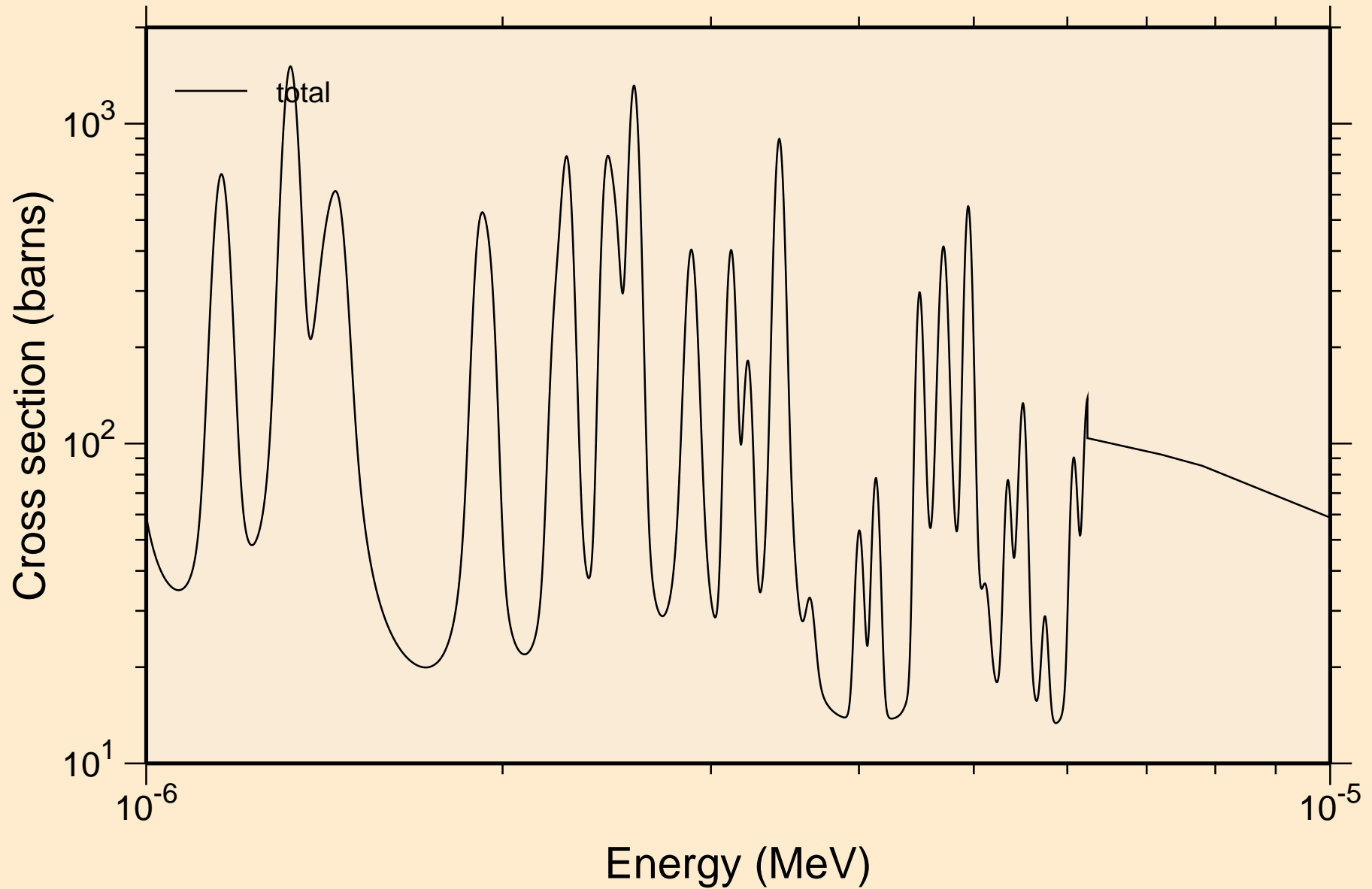
RF255 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



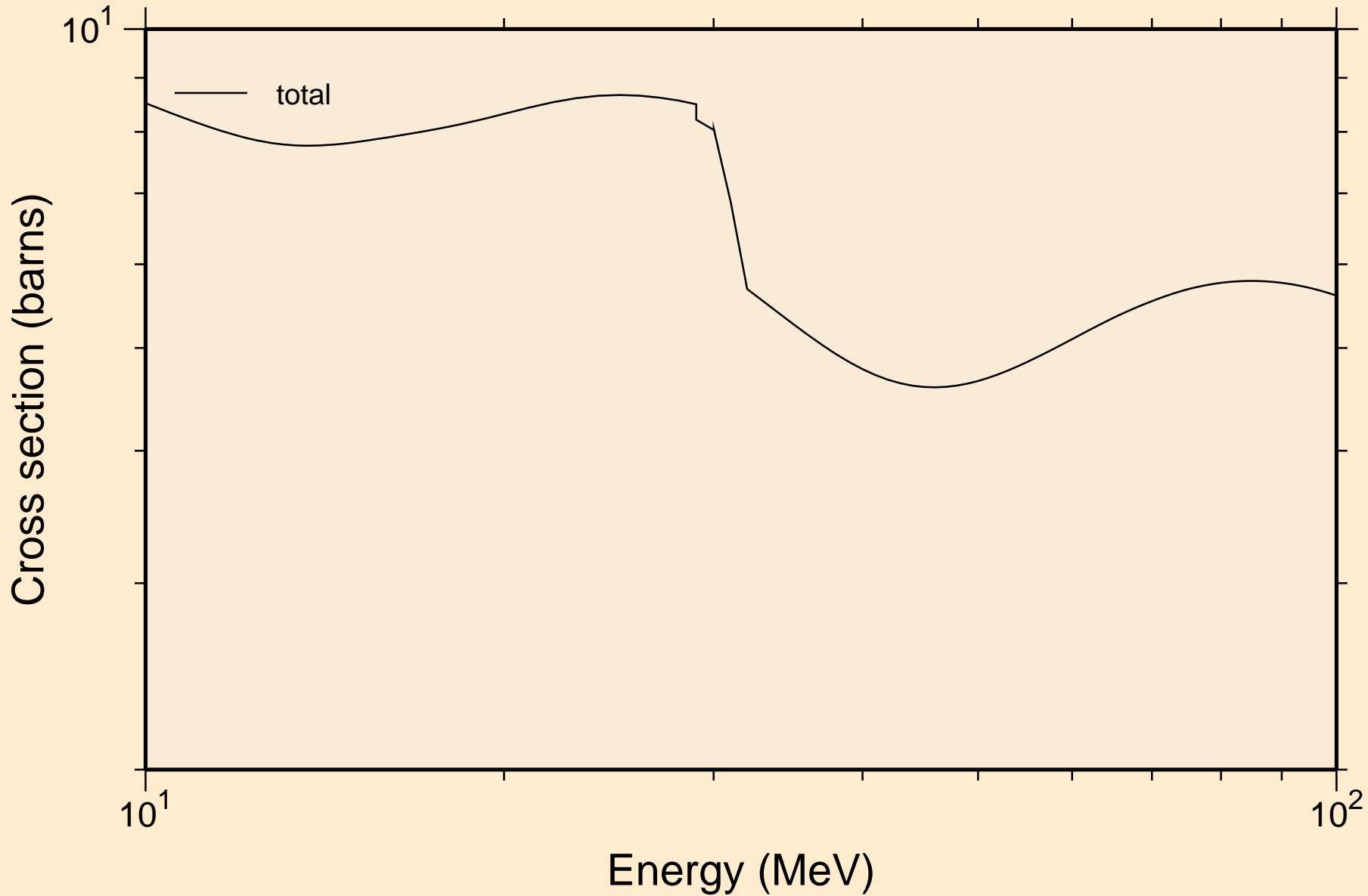
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resonance total cross section



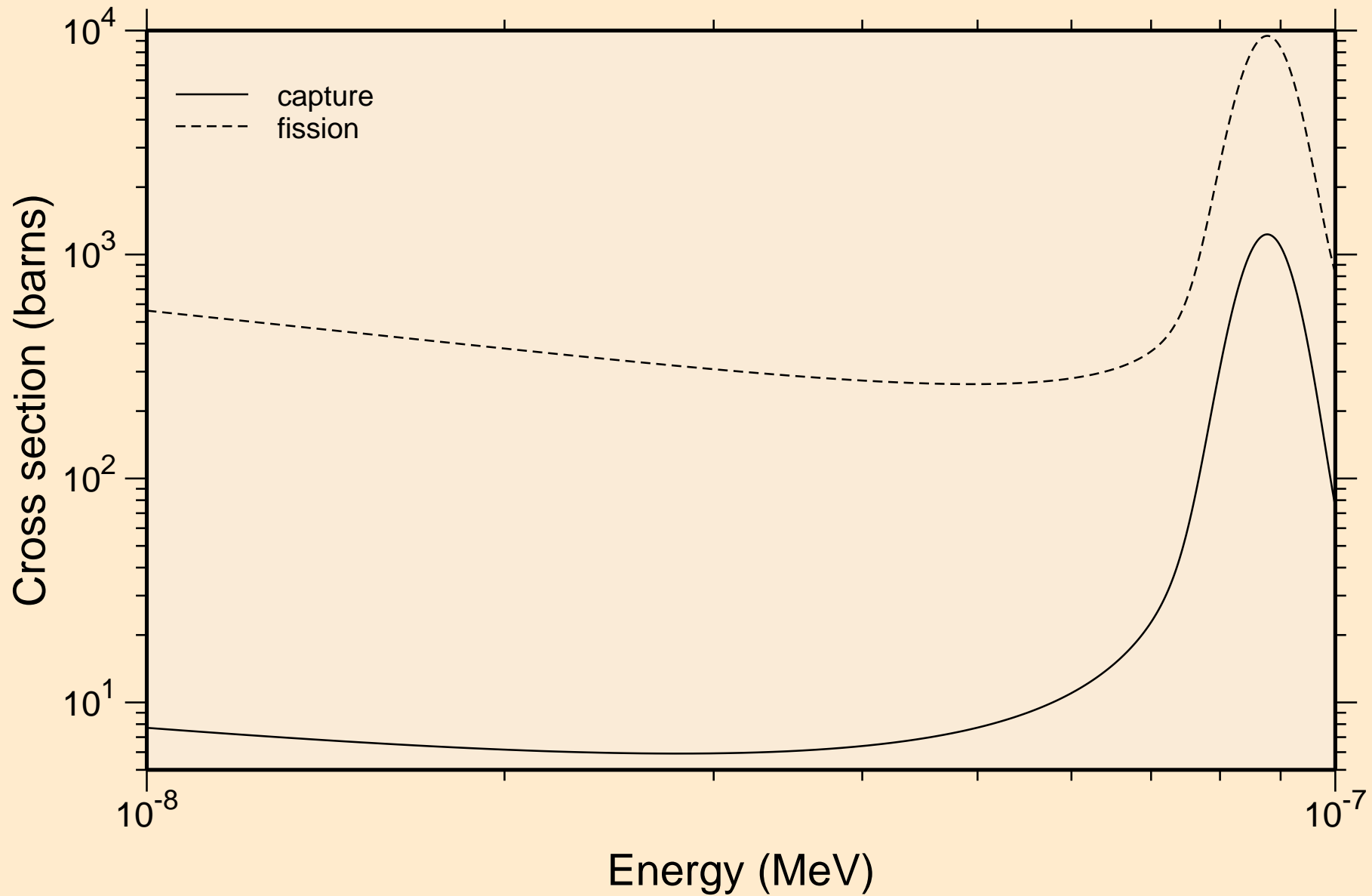
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resonance total cross section



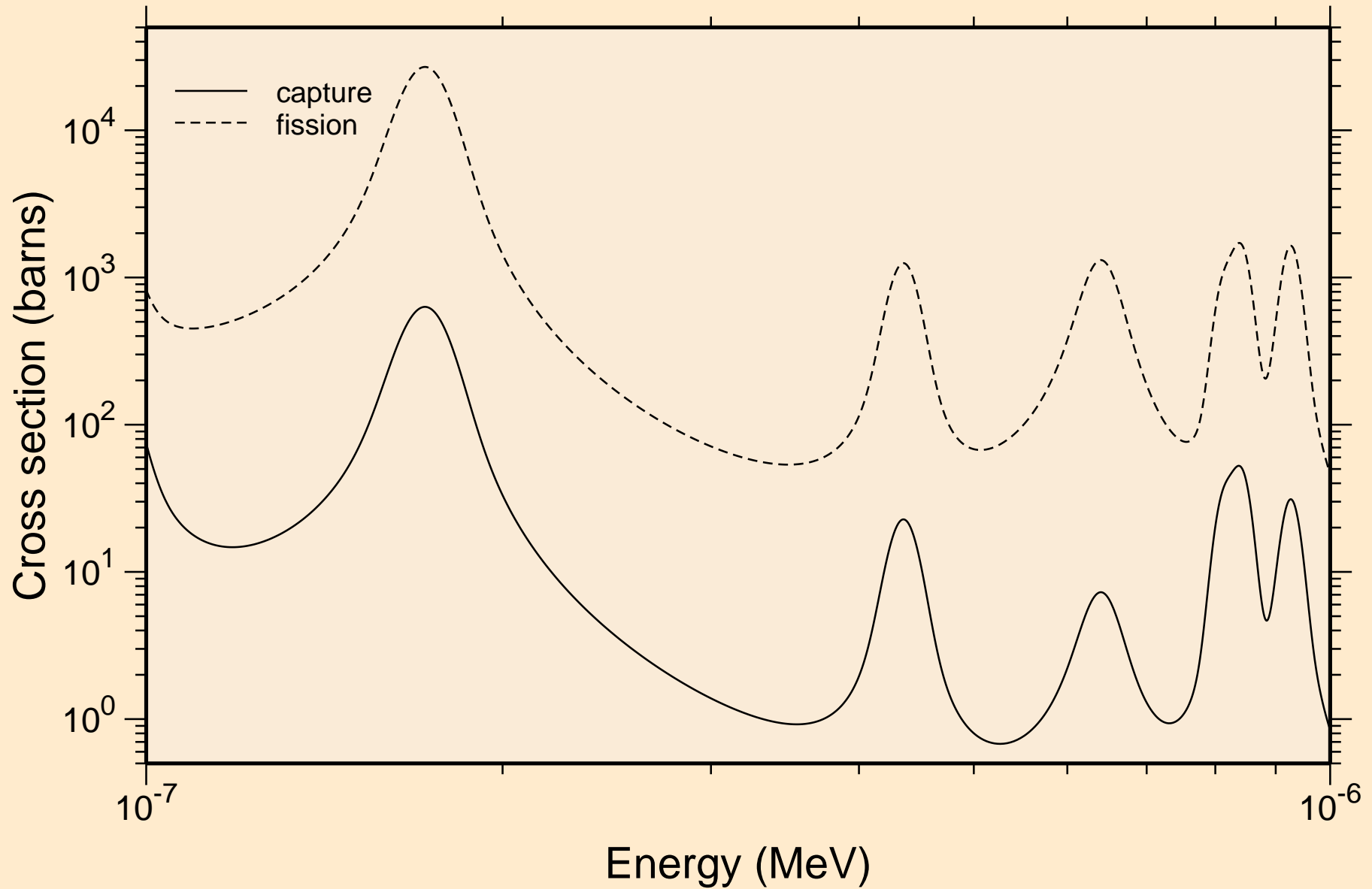
RF255 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



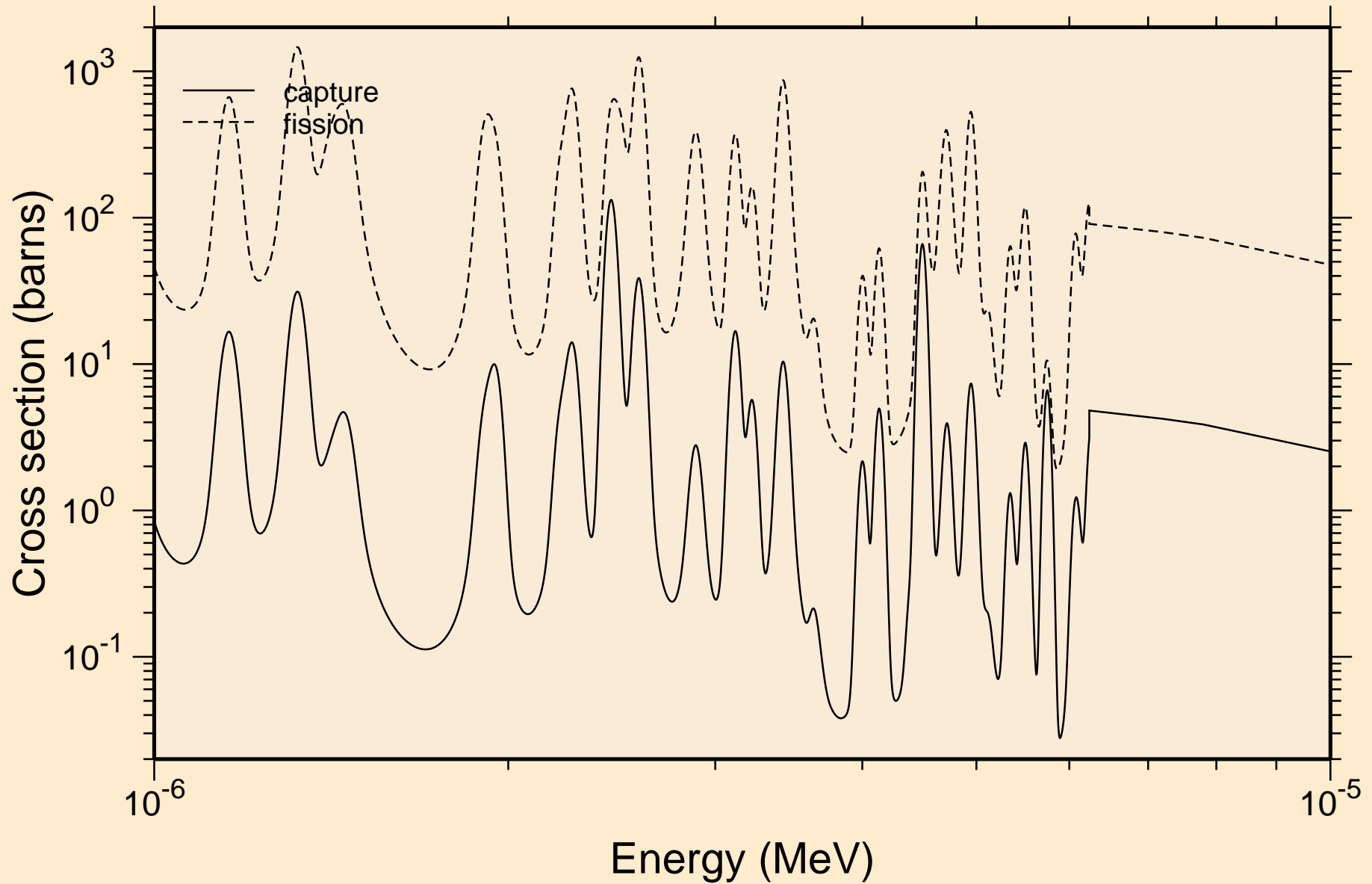
RF255 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



RF255 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections

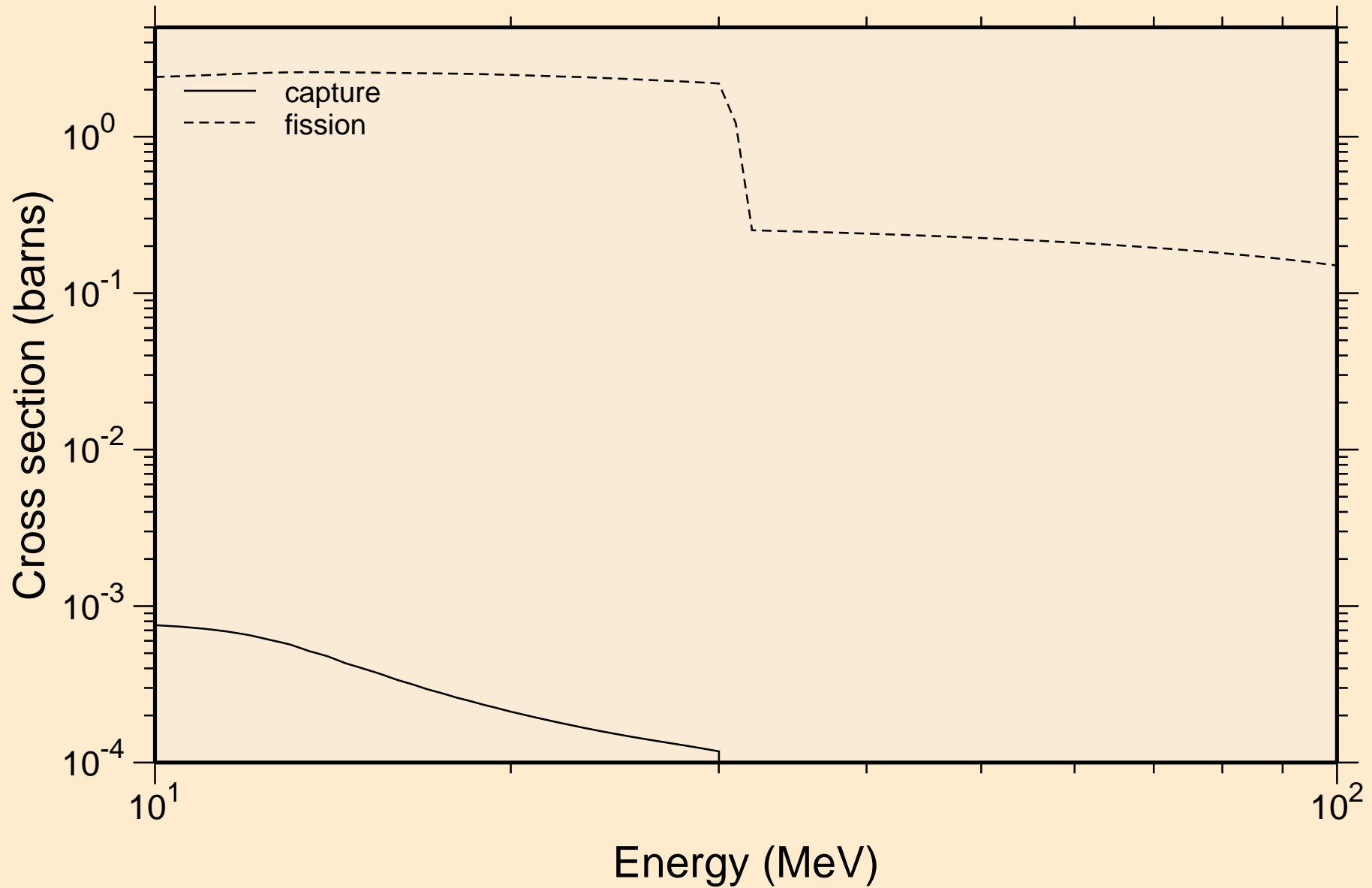


RF255 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections

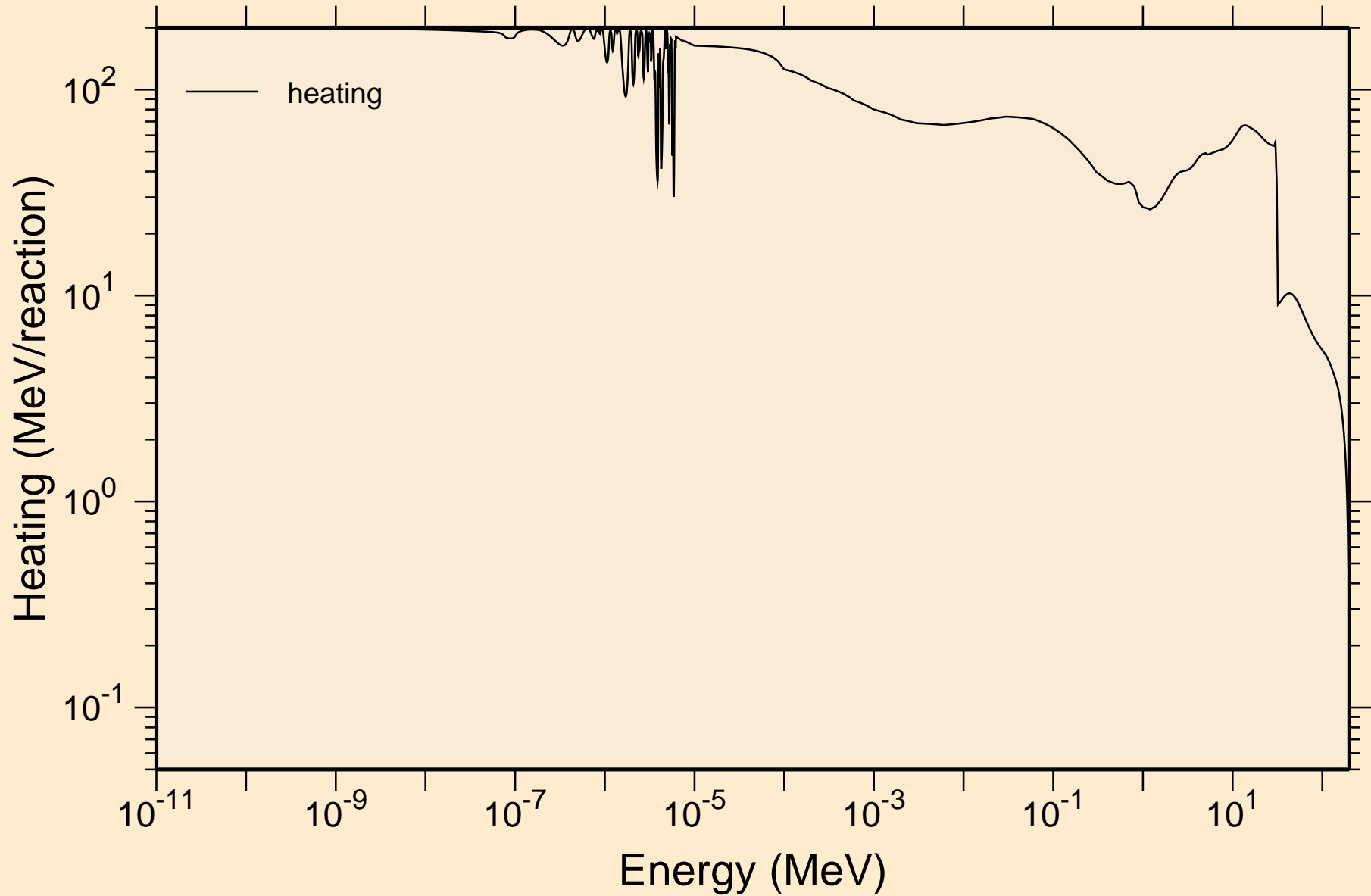




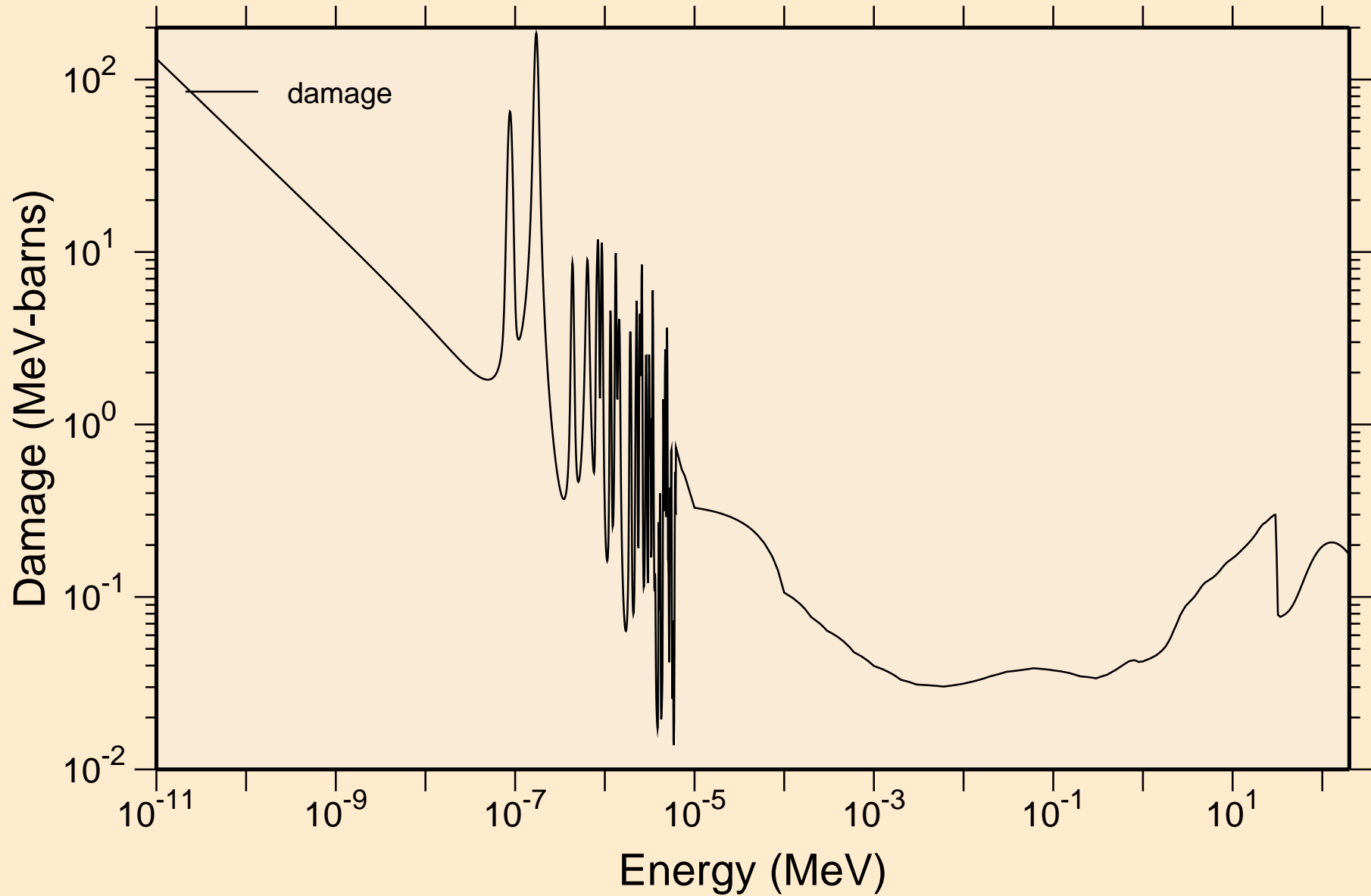
RF255 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



RF255 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Heating

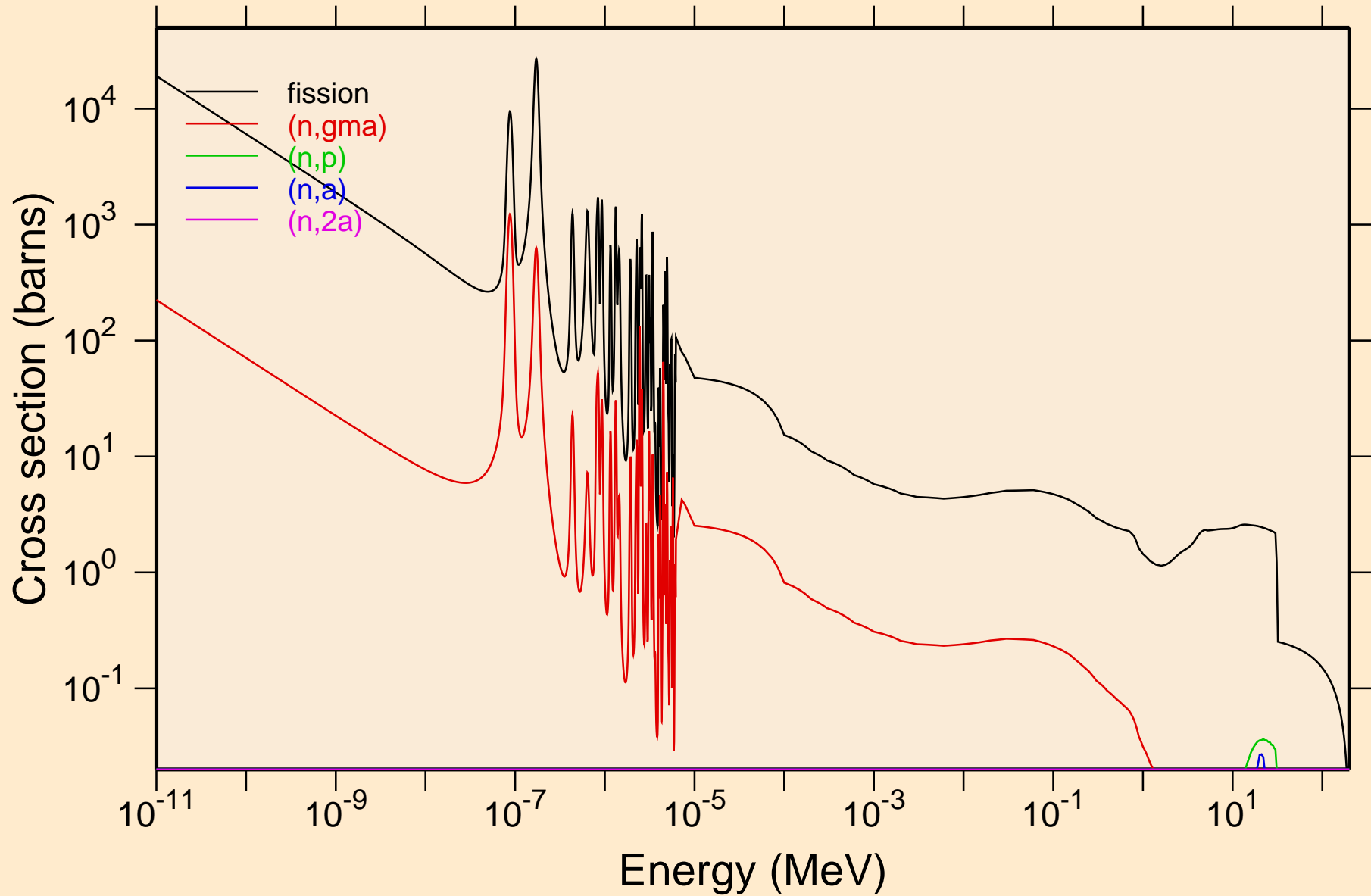


RF255 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Damage

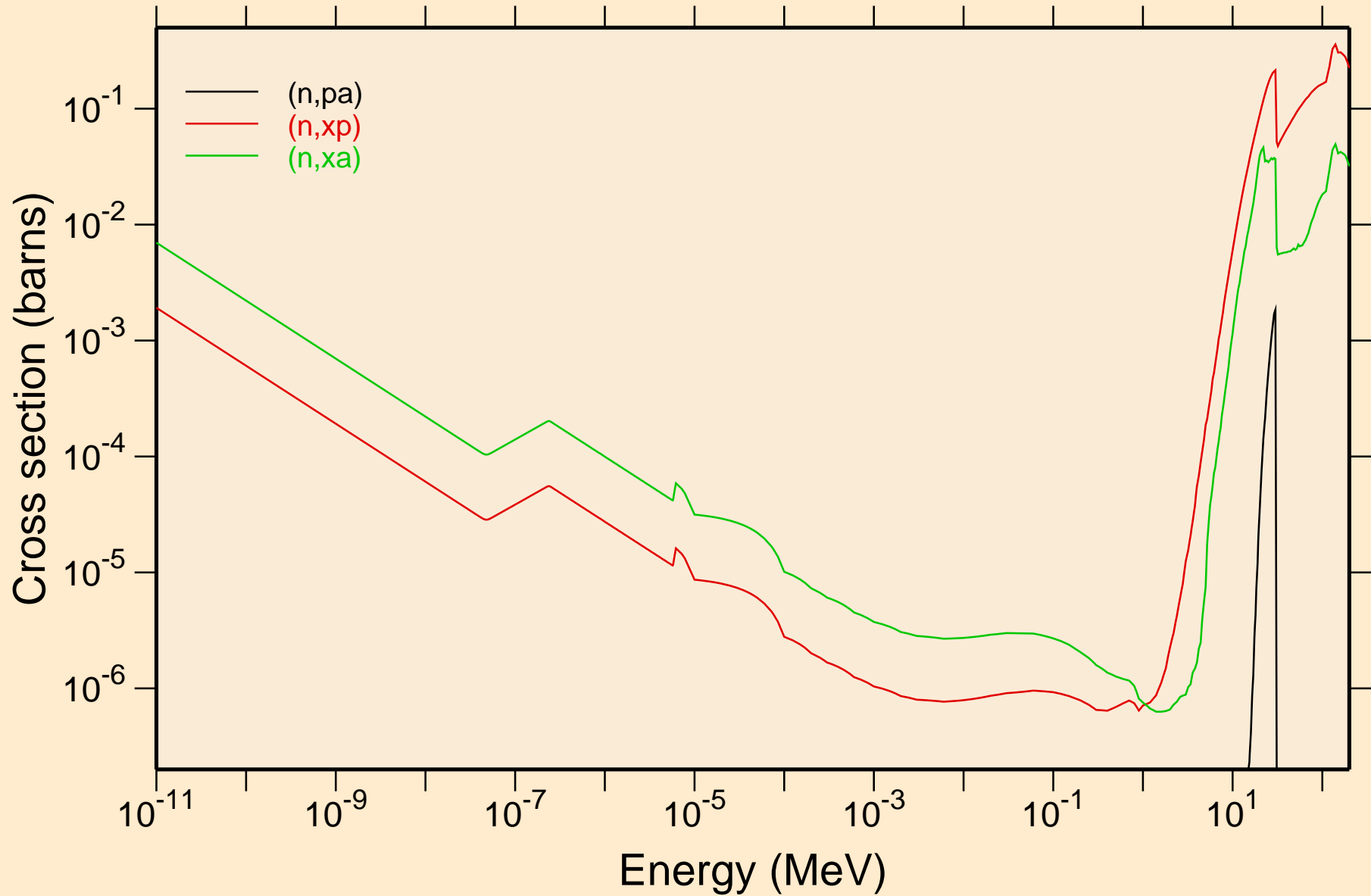


# RF255 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

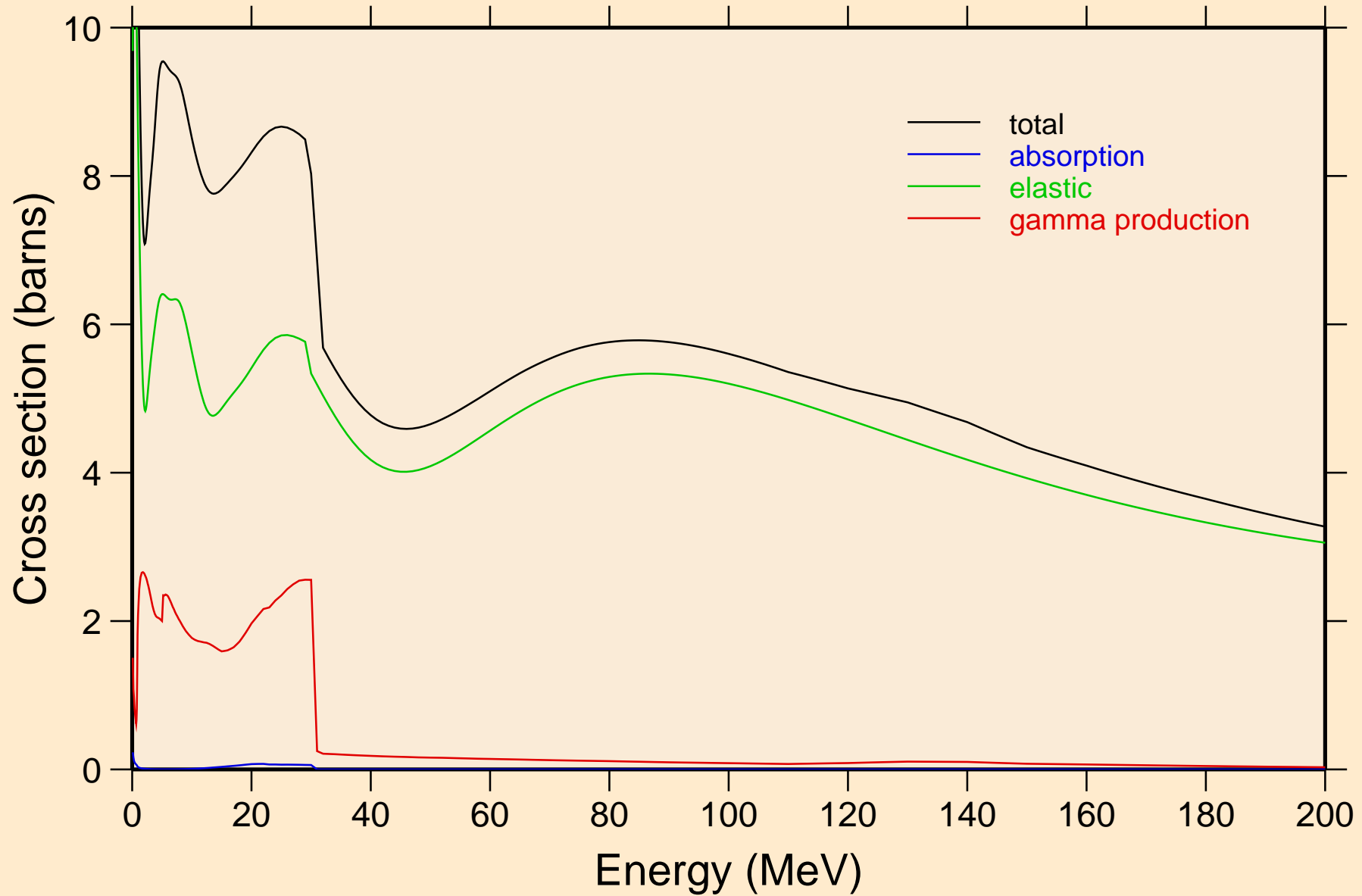
## Non-threshold reactions



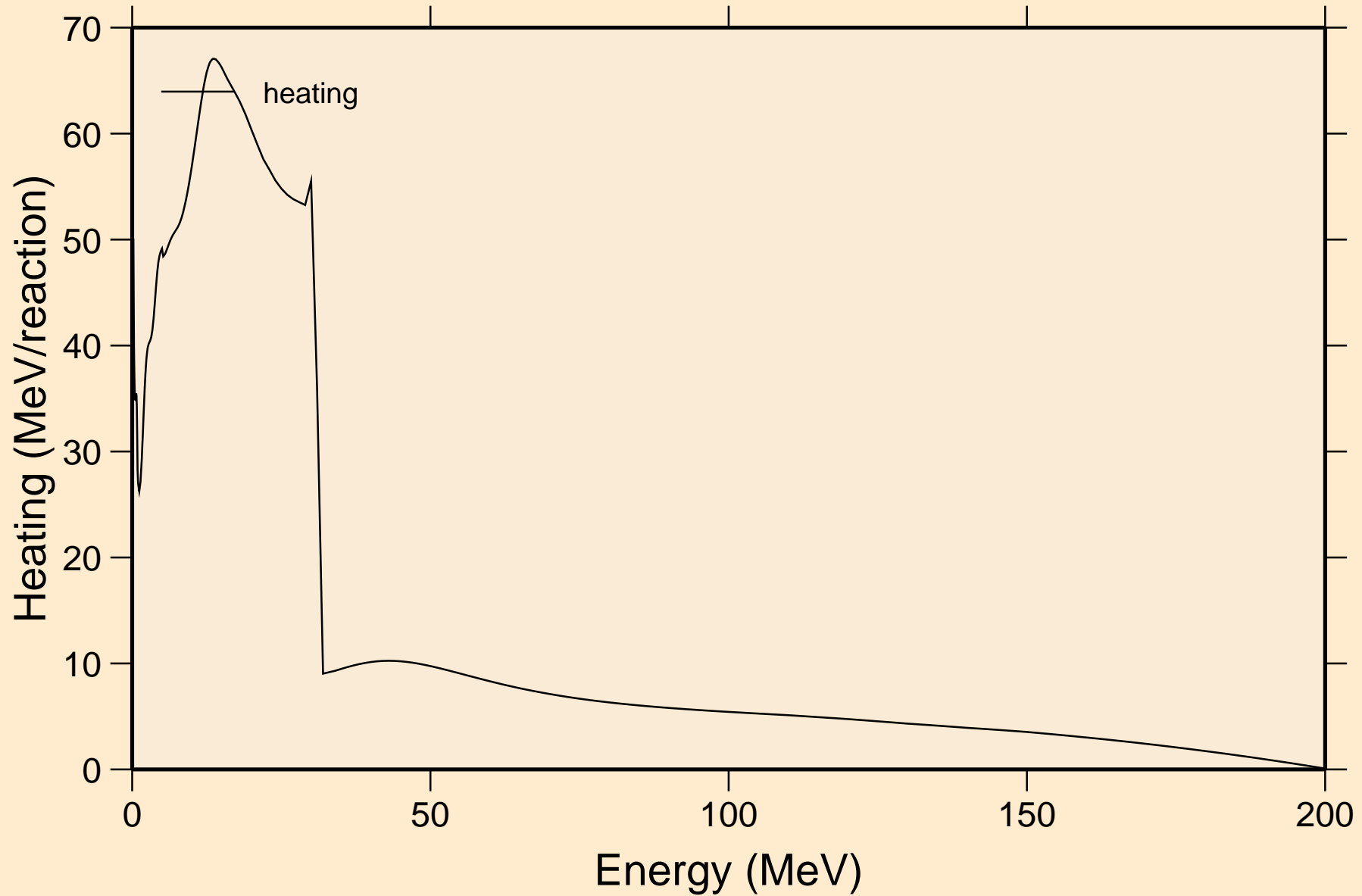
RF255 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions



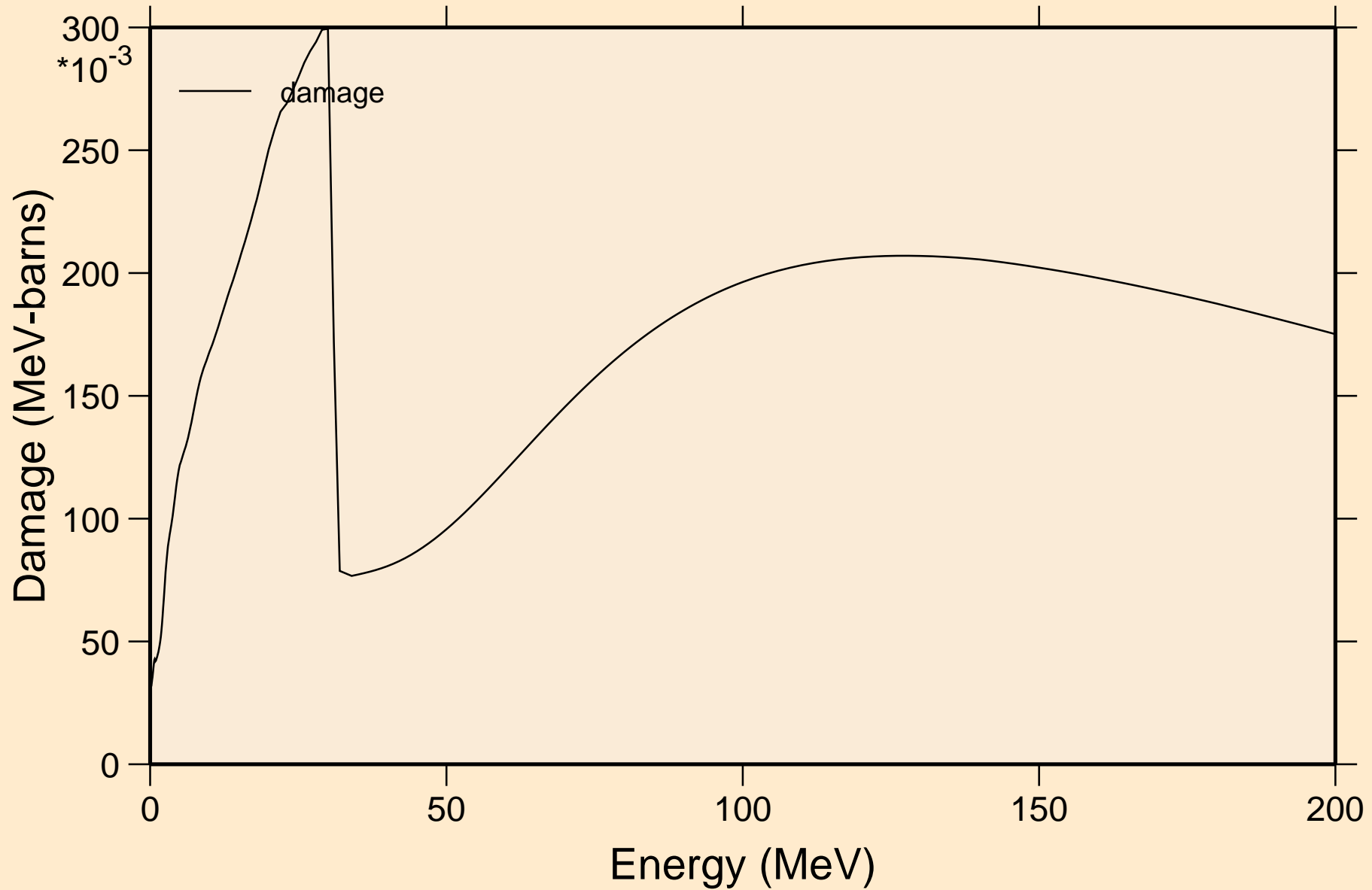
RF255 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Principal cross sections



RF255 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Heating



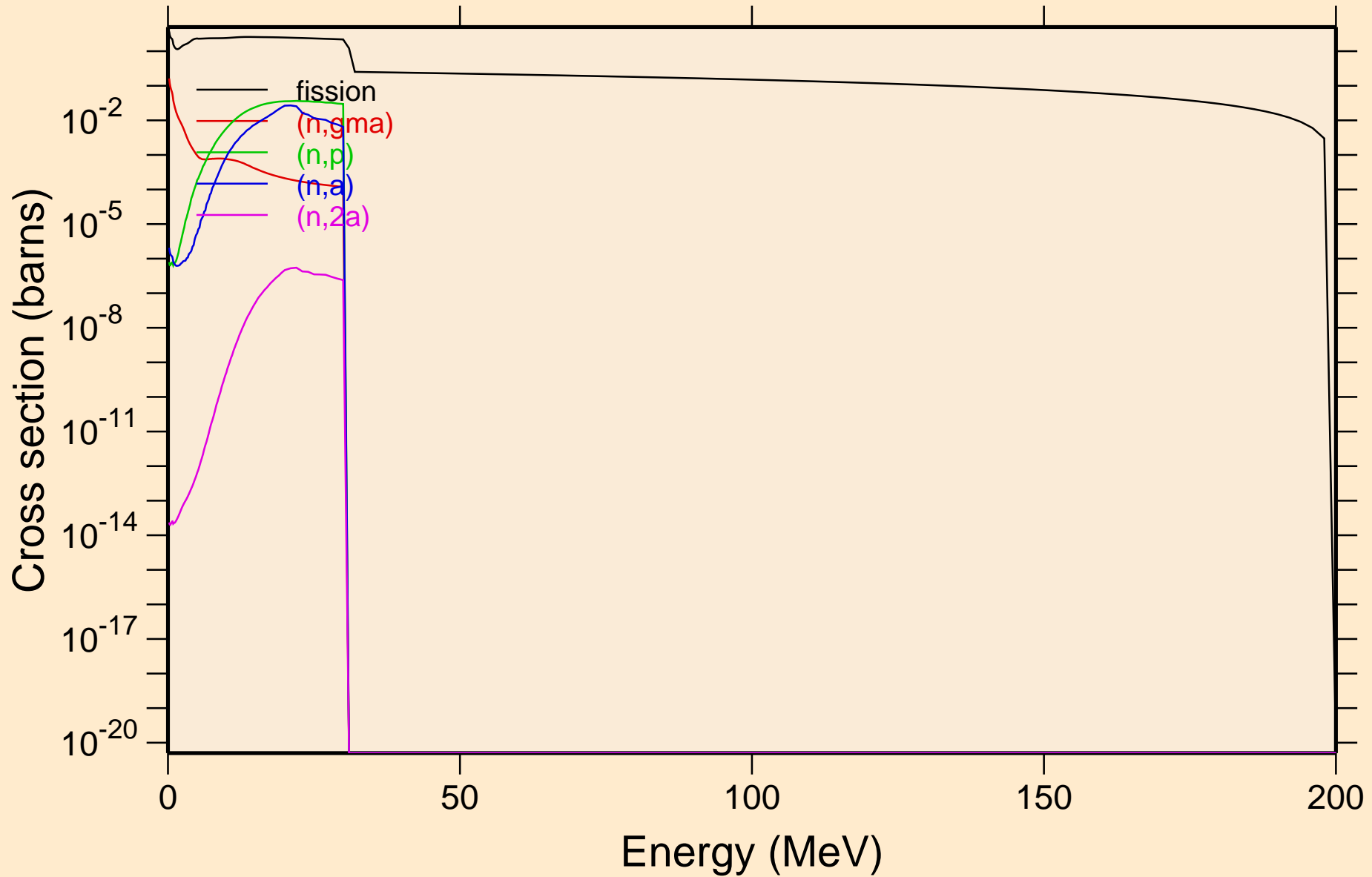
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Damage



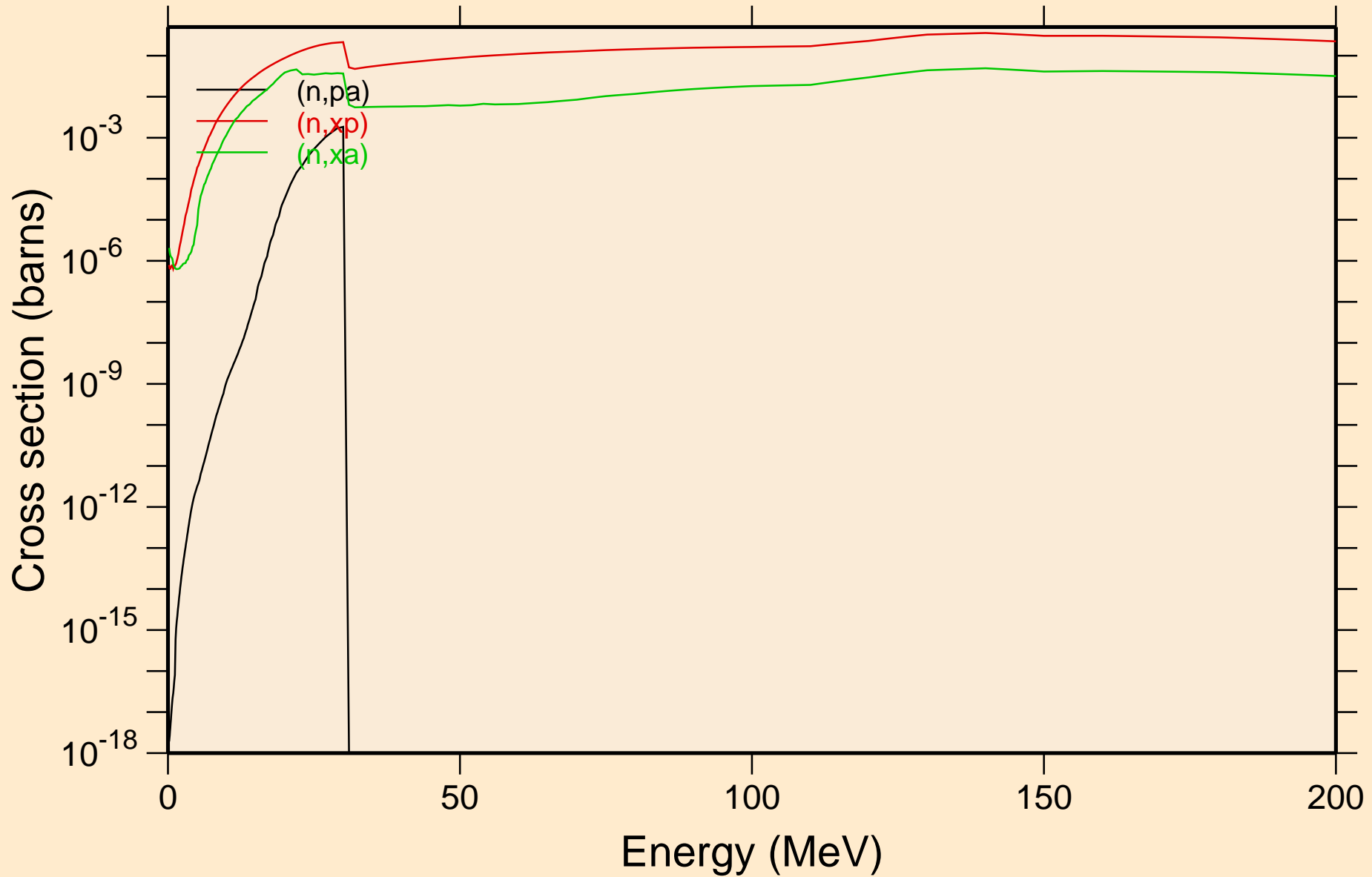


# RF255 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

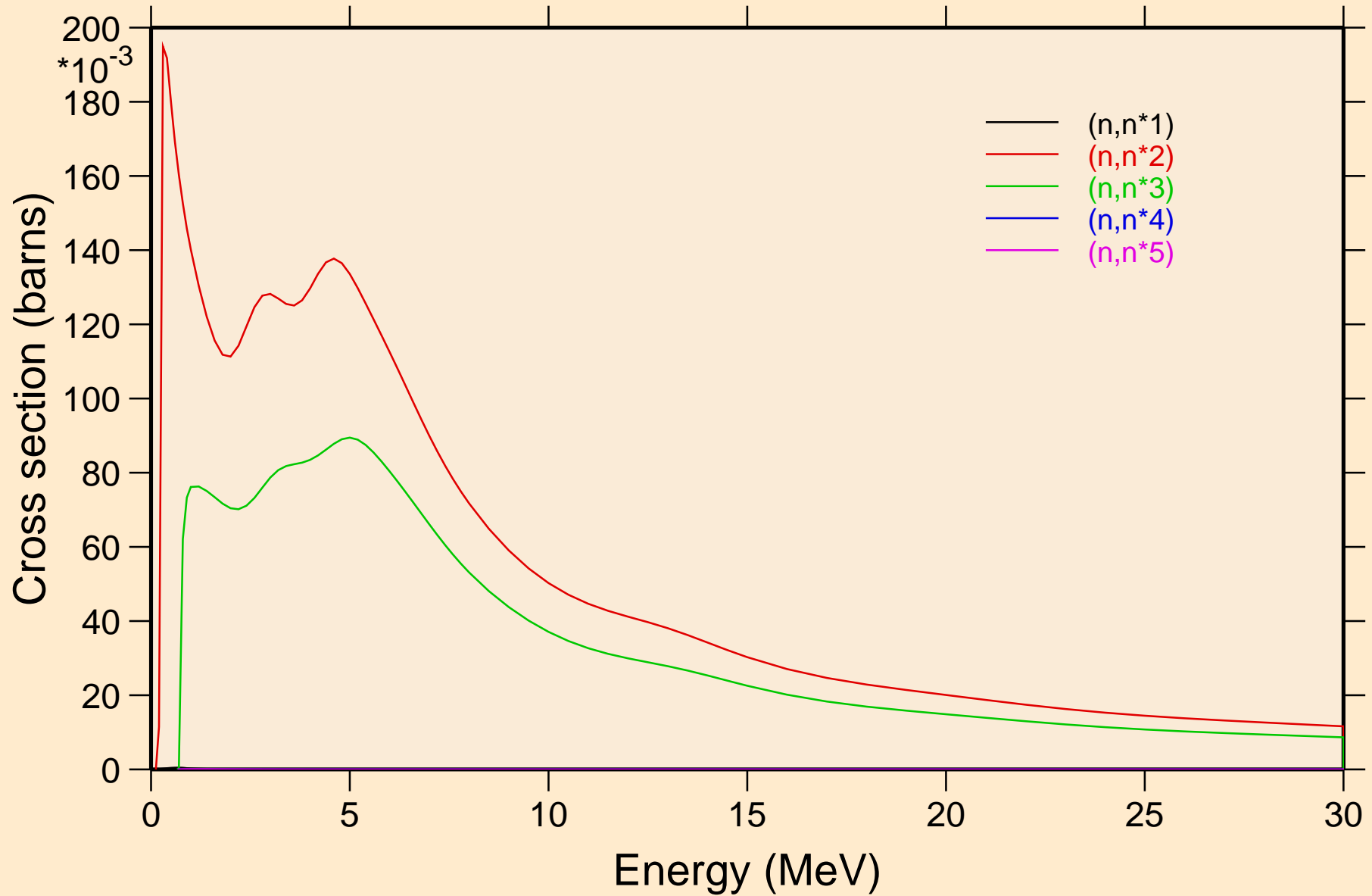
## Non-threshold reactions



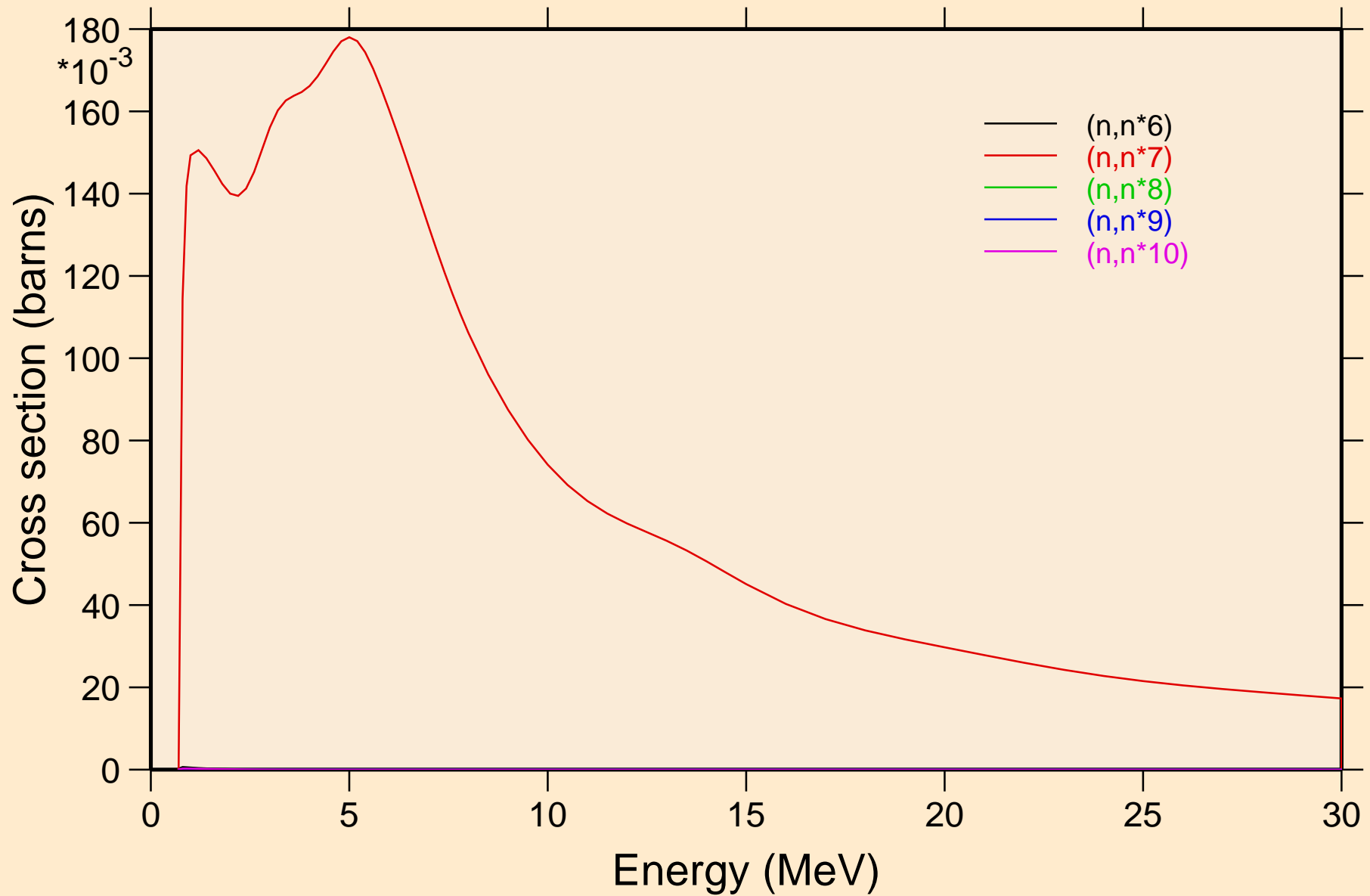
RF255 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions



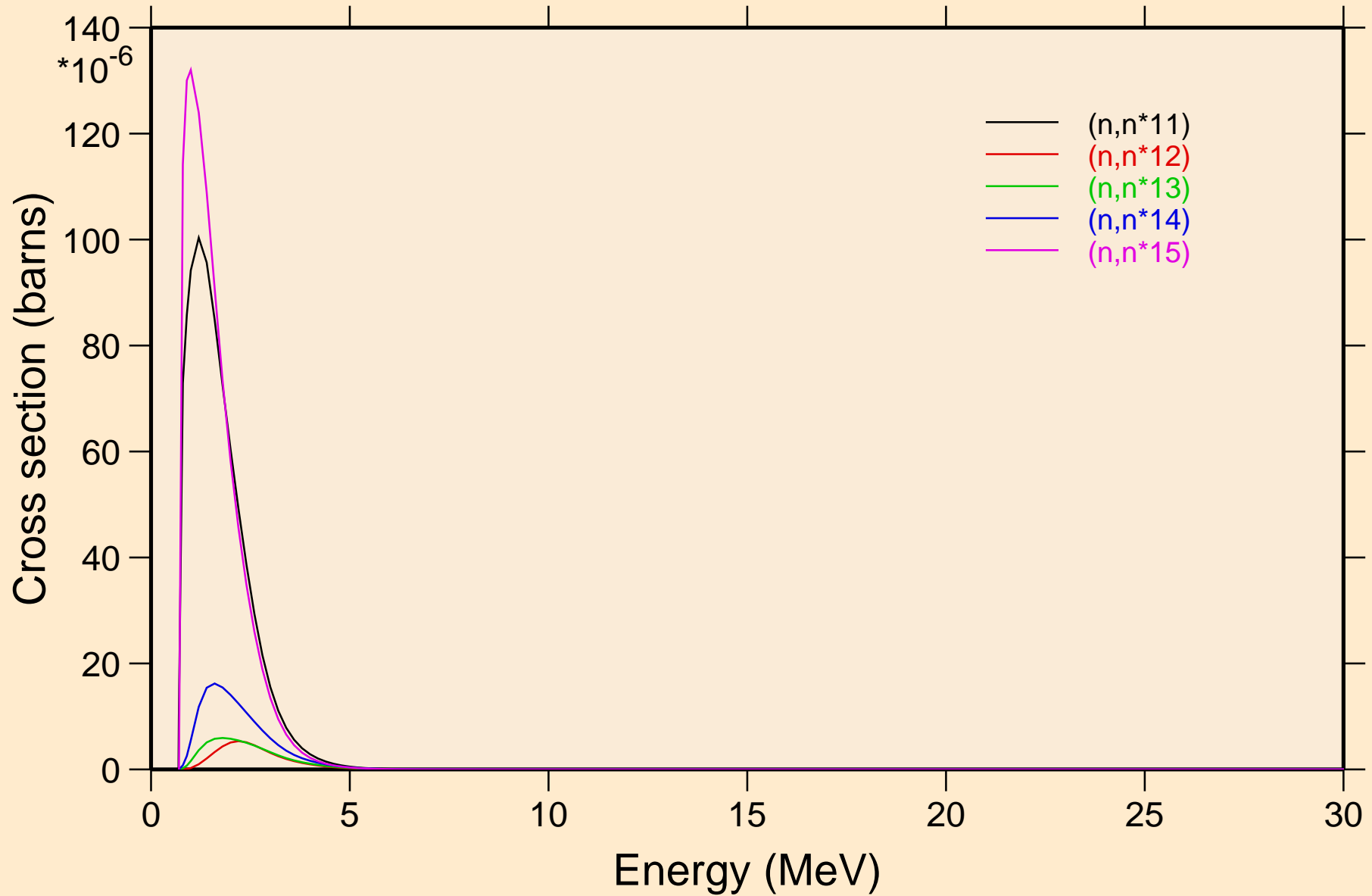
RF255 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



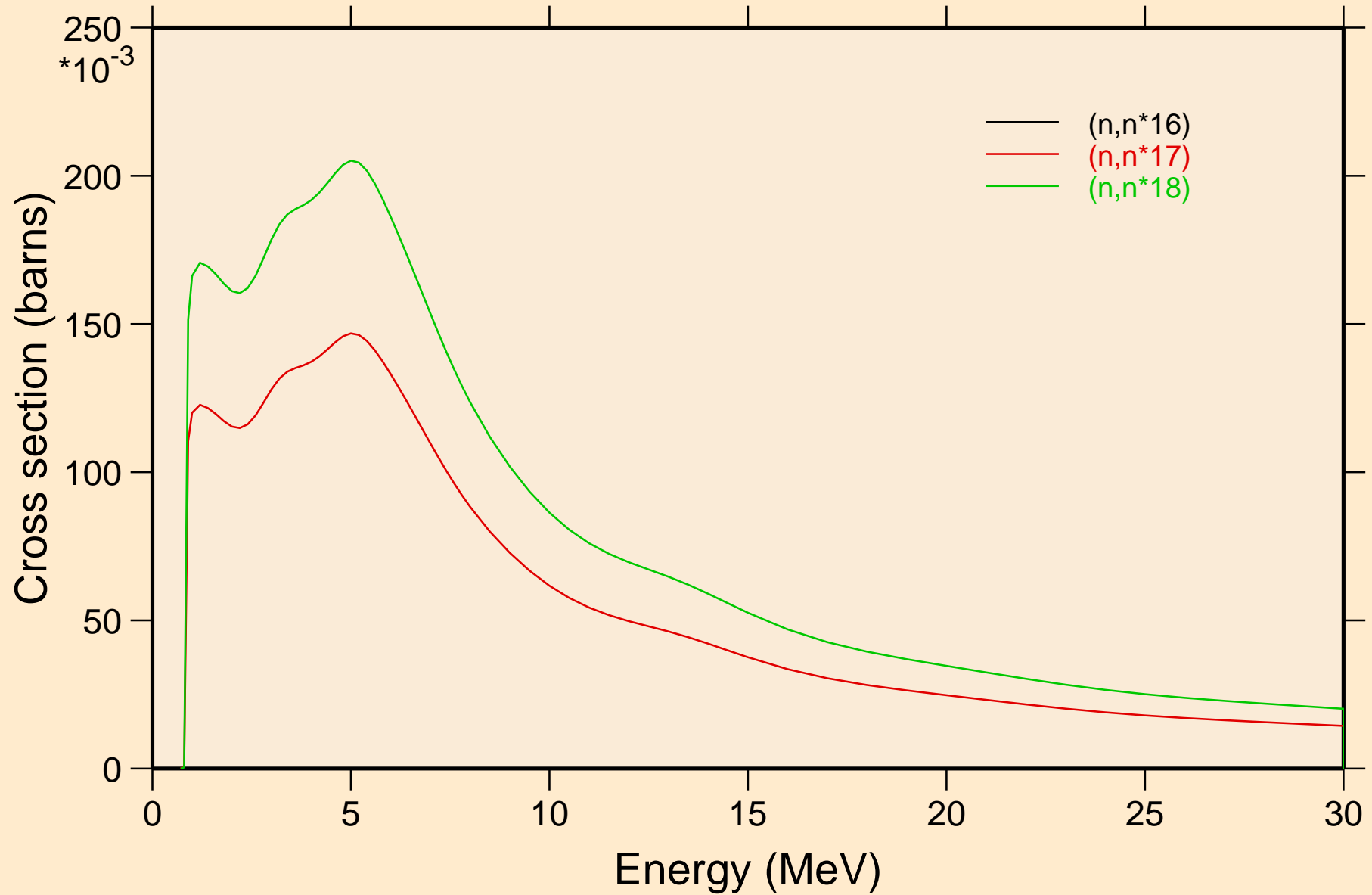
RF255 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



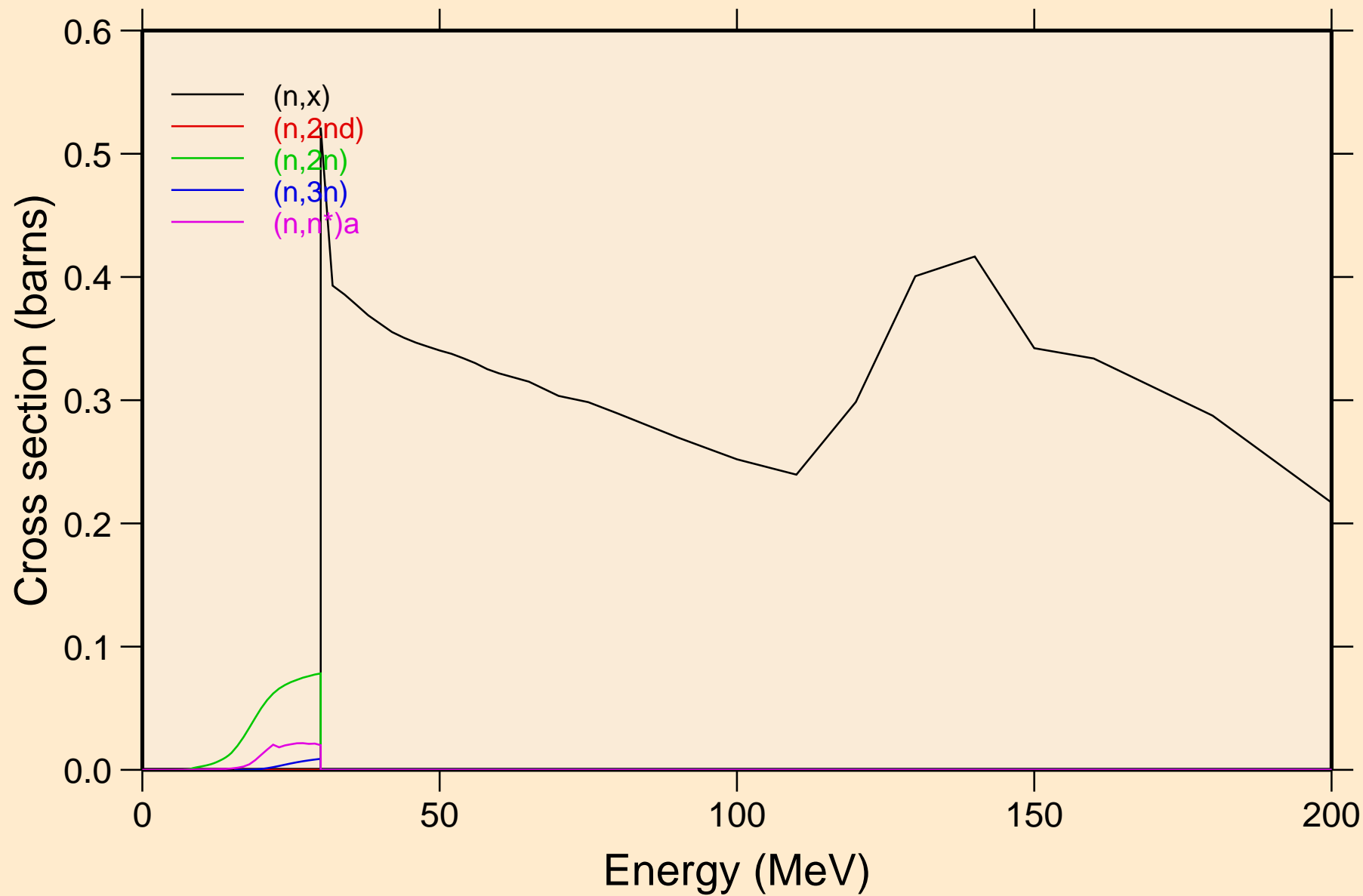
RF255 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



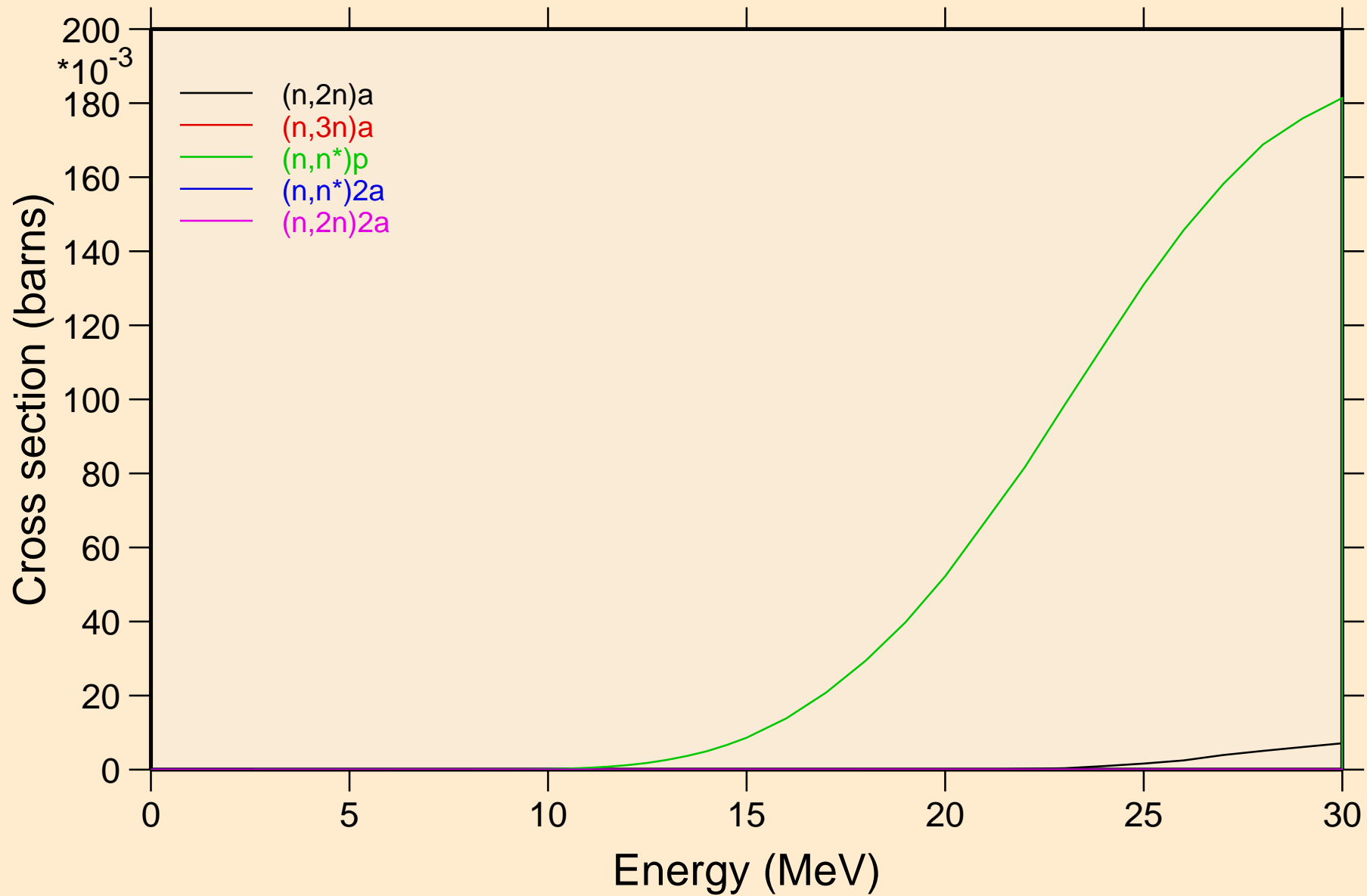
RF255 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



RF255 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions

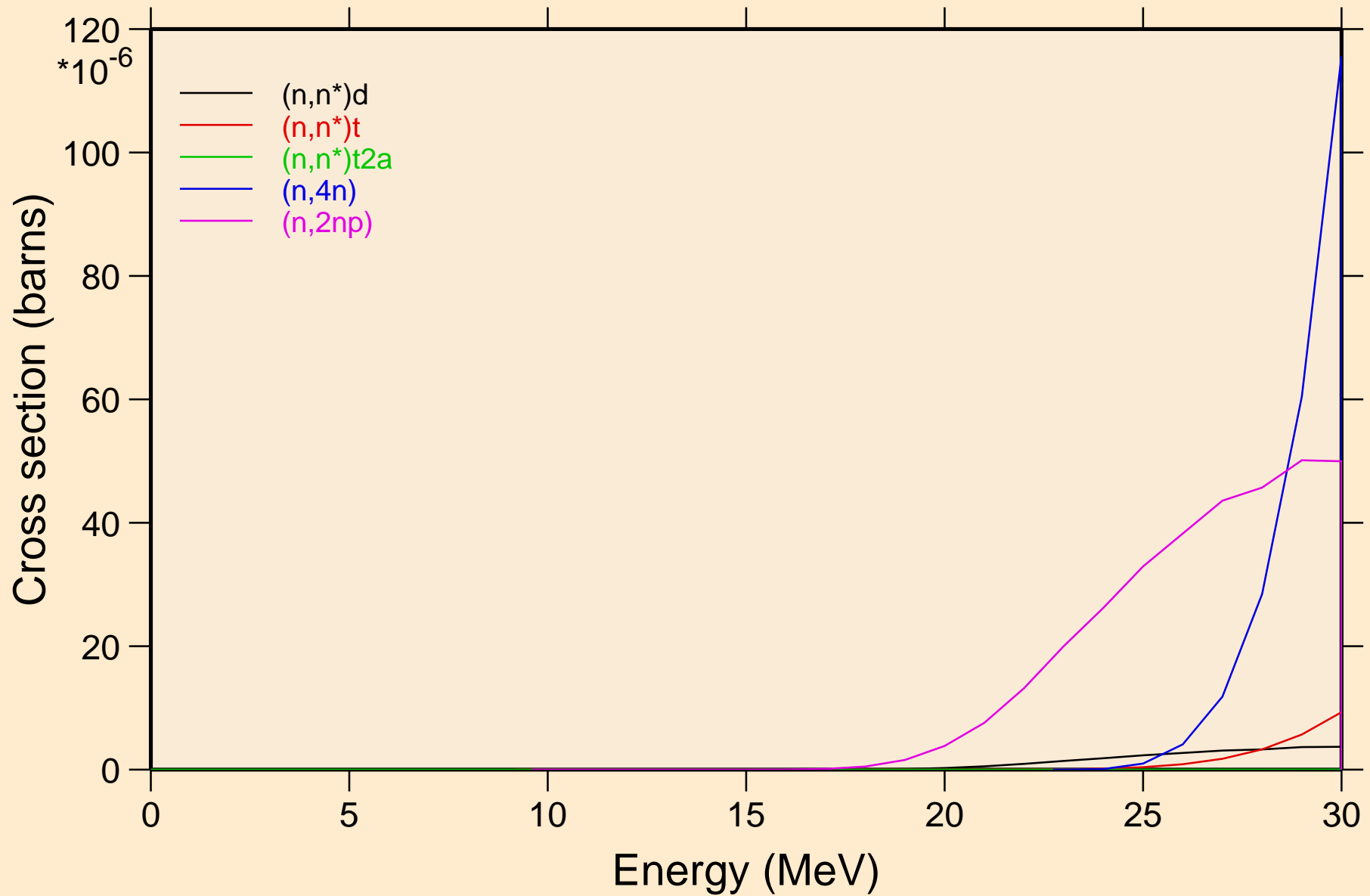


RF255 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions

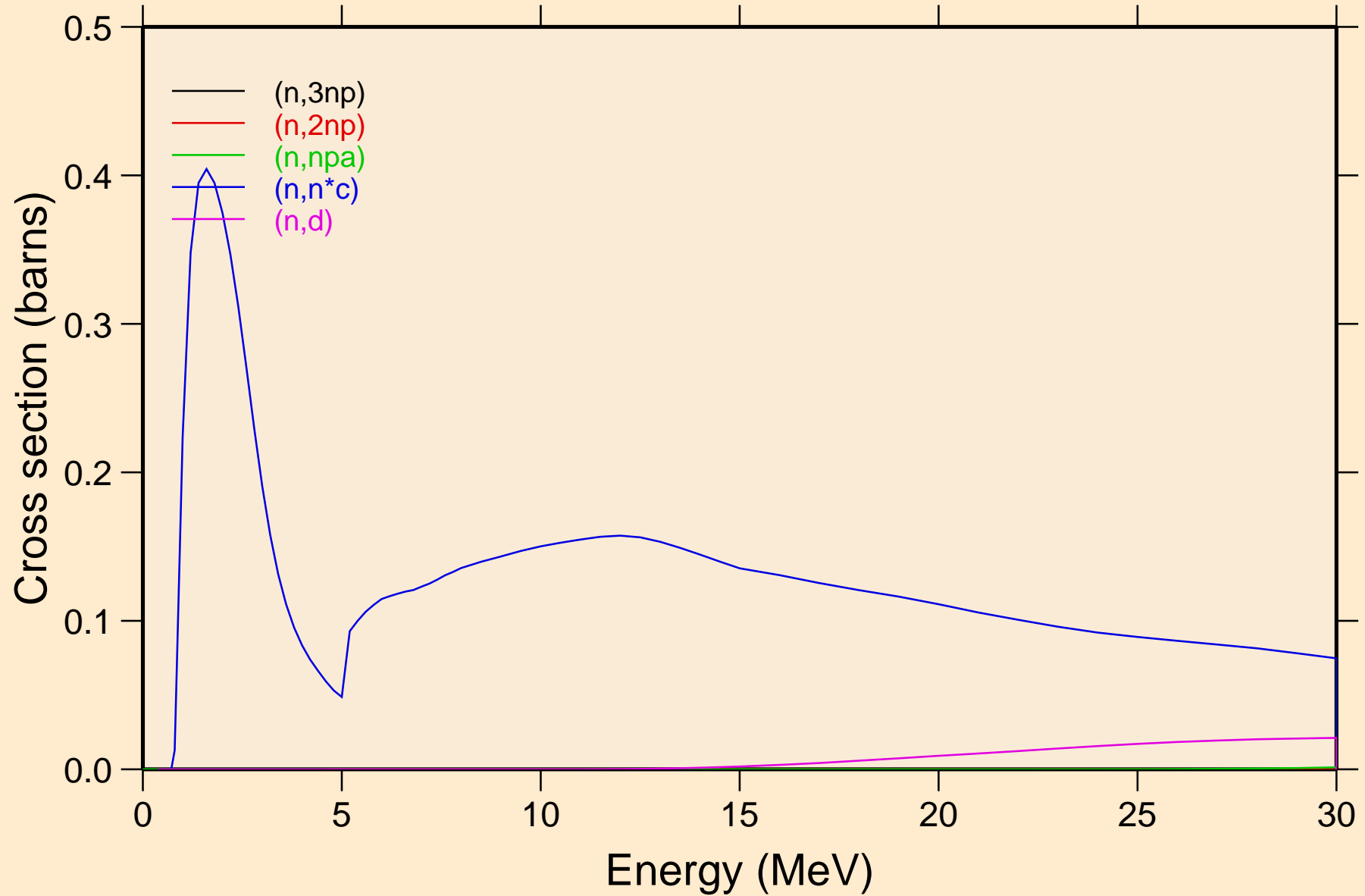




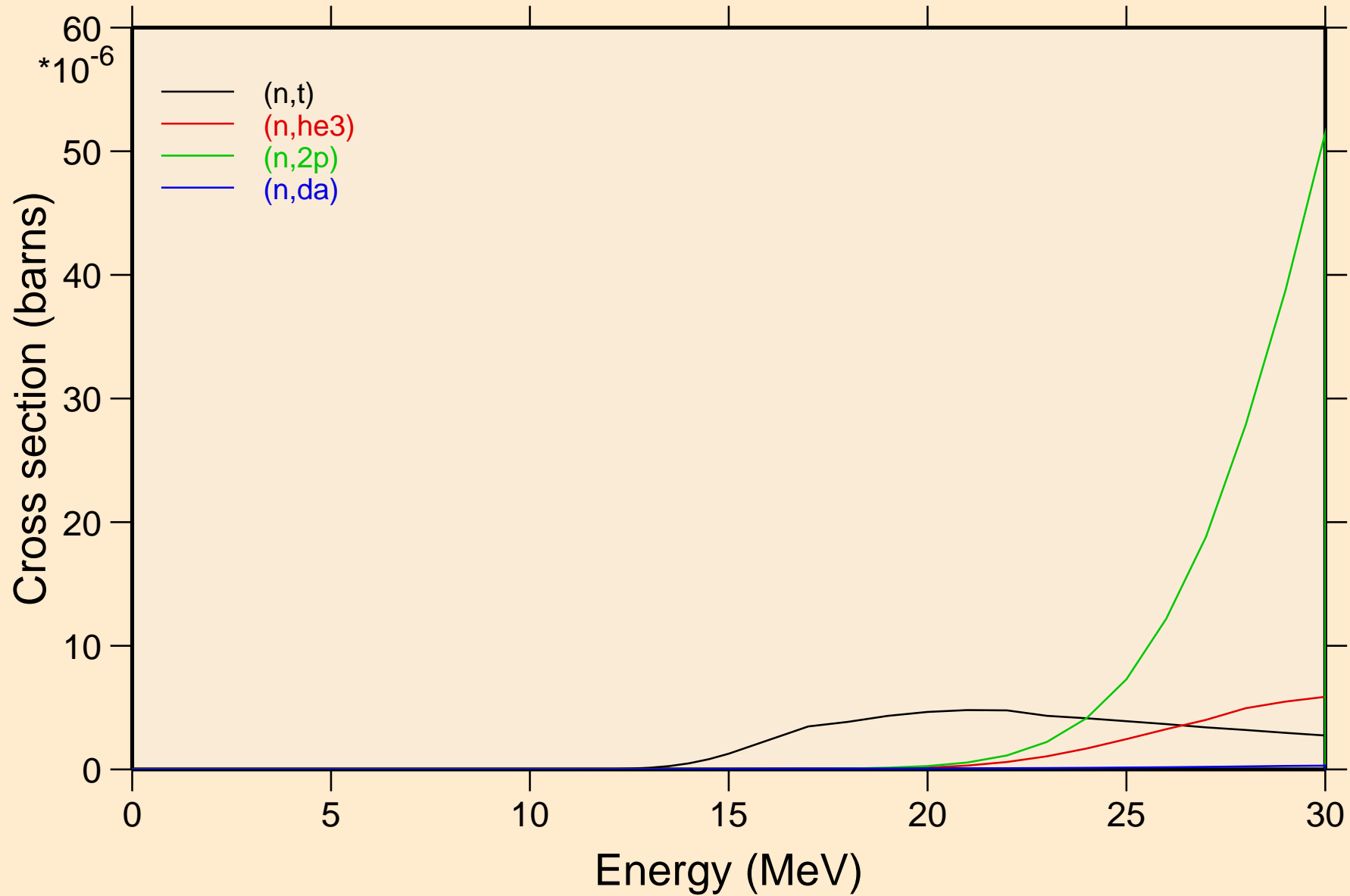
RF255 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



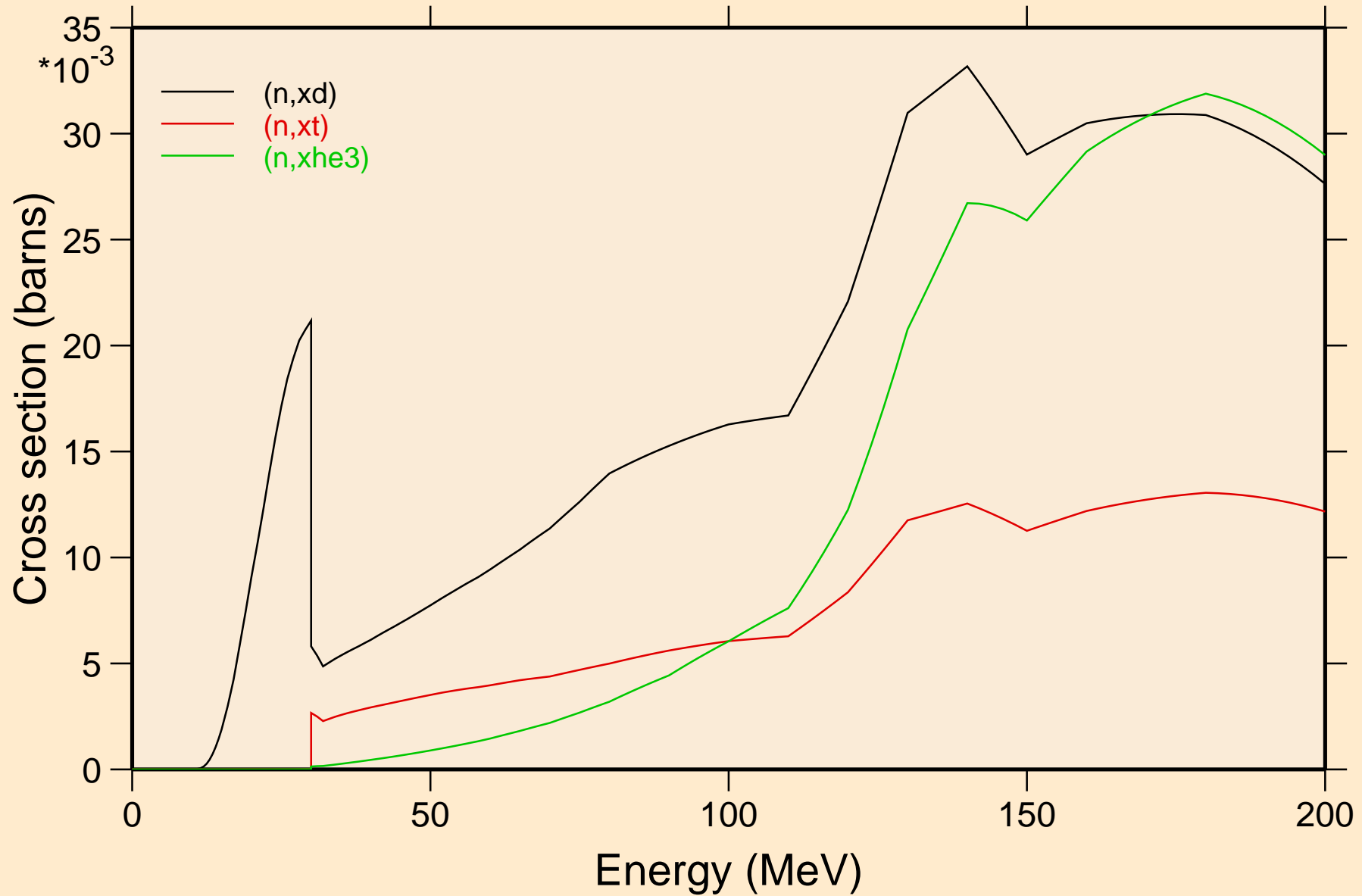
RF255 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



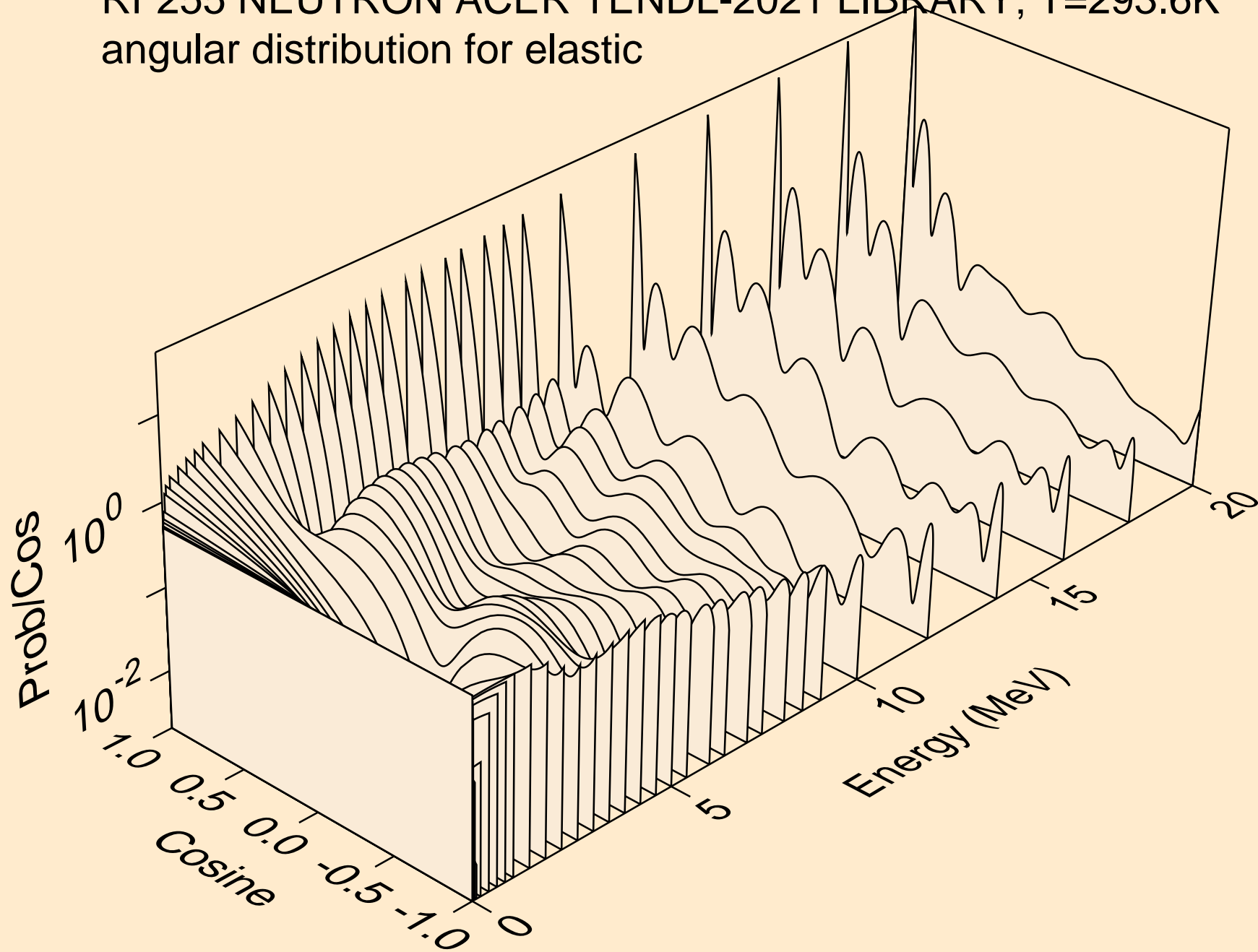
RF255 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



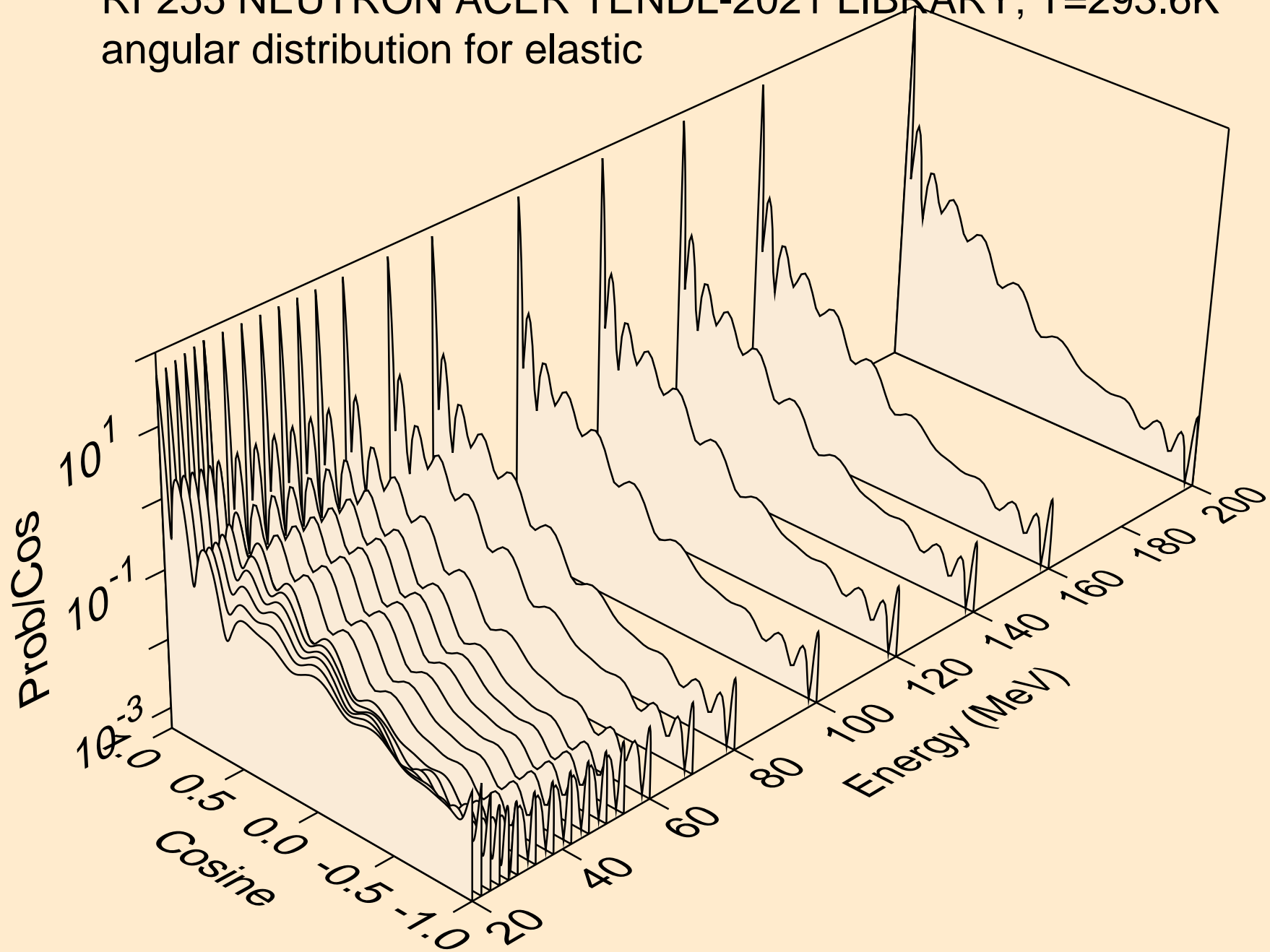
RF255 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



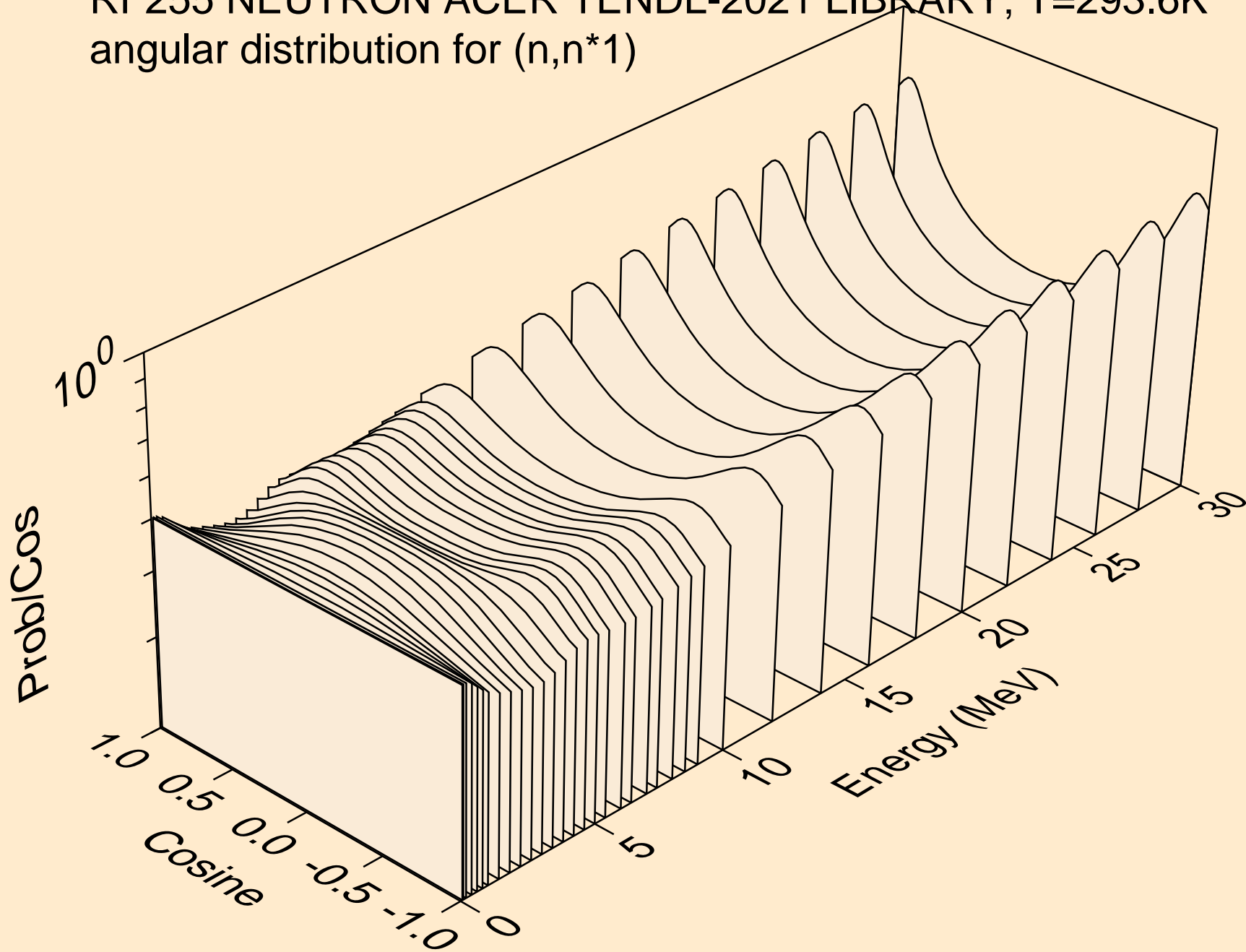
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angular distribution for elastic



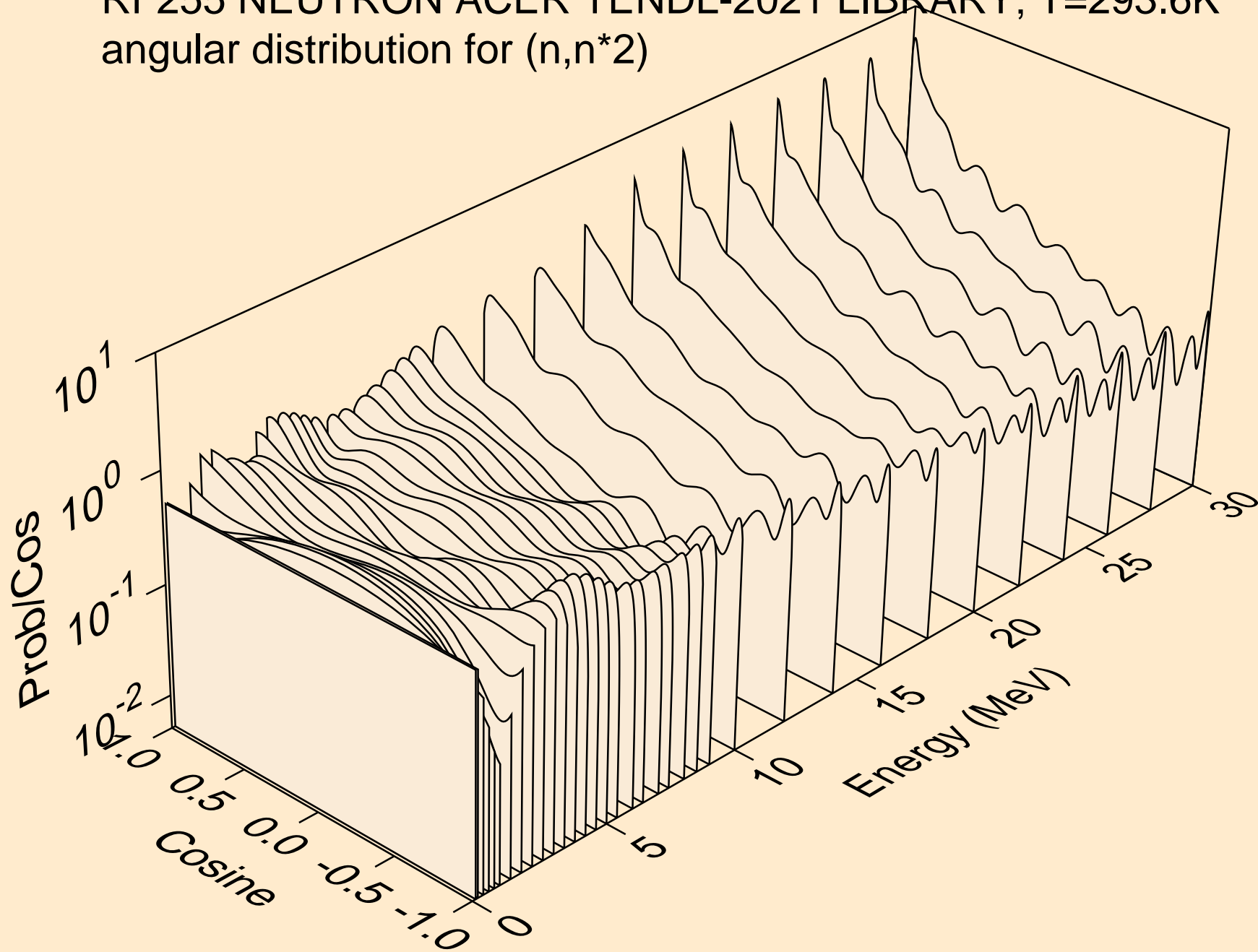
RF255 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for elastic



RF255 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*1)

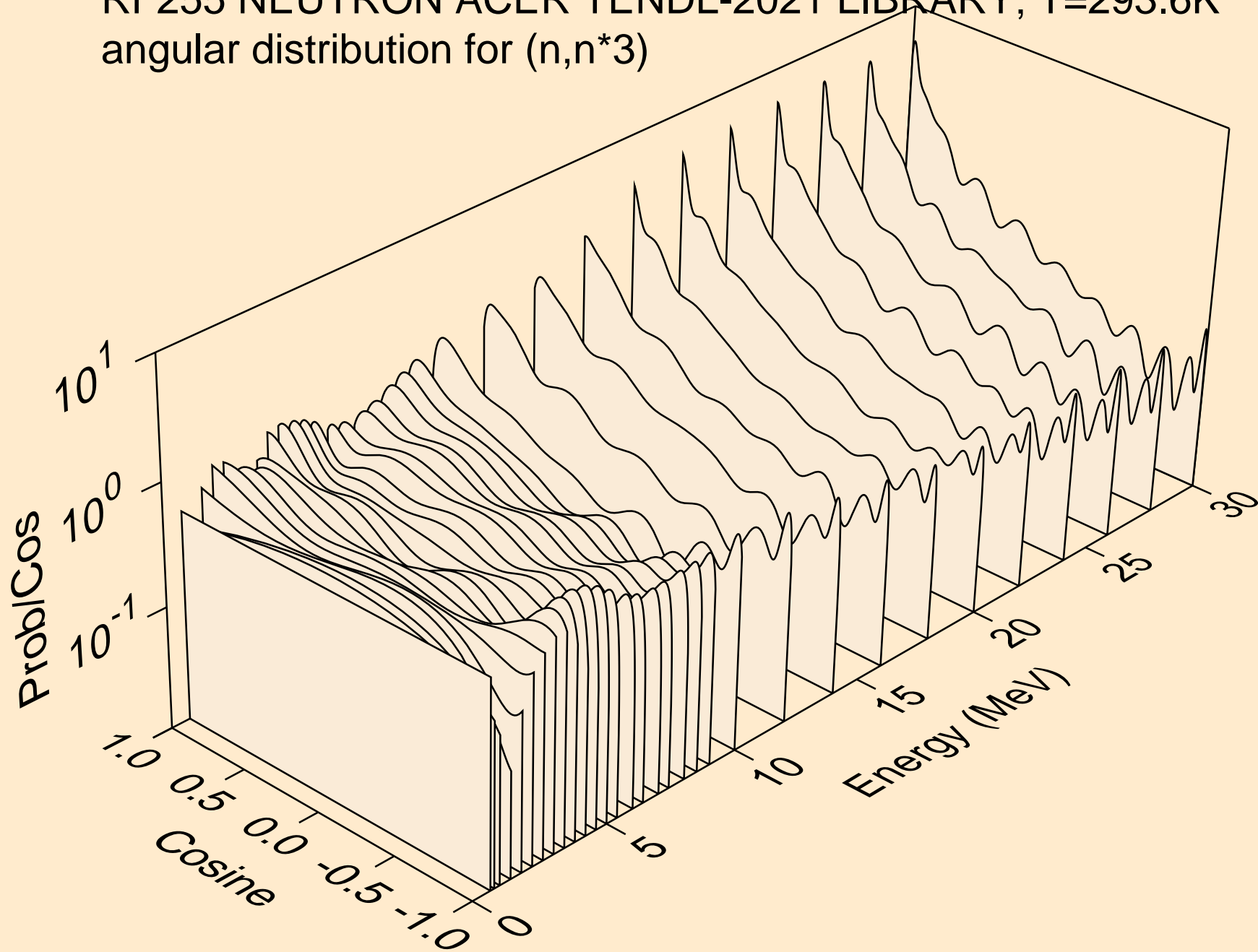


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angular distribution for (n,n\*2)

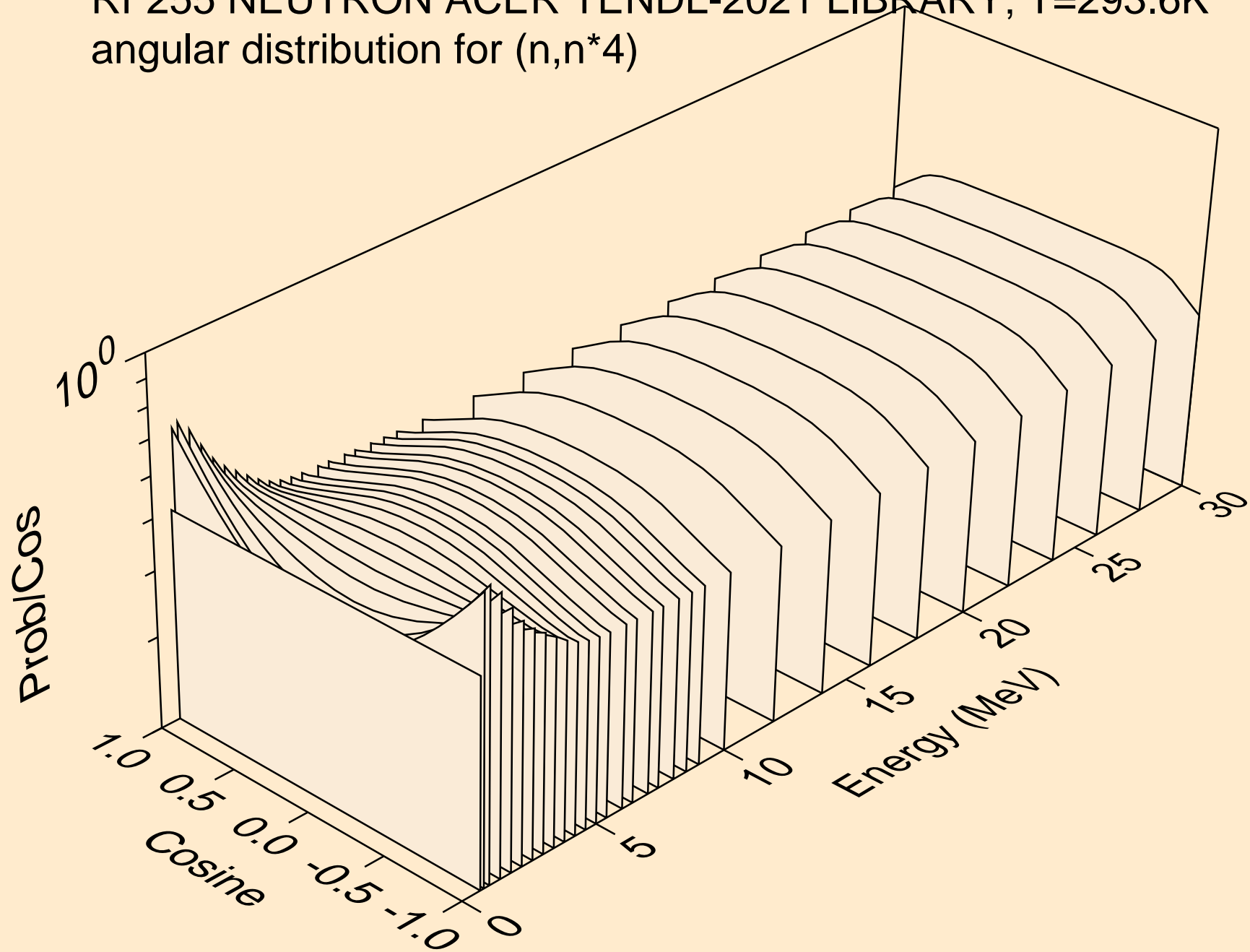




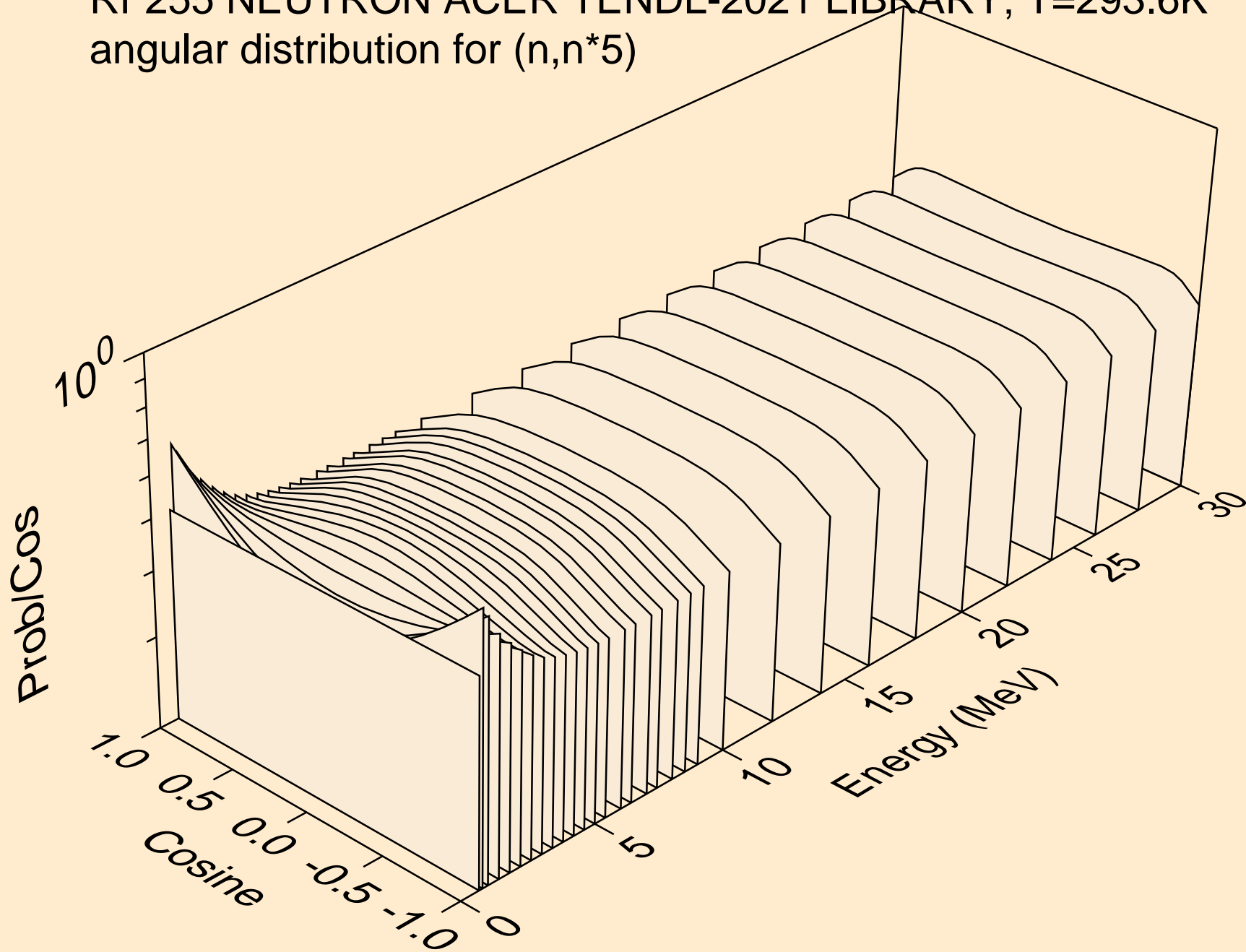
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angular distribution for (n,n\*3)



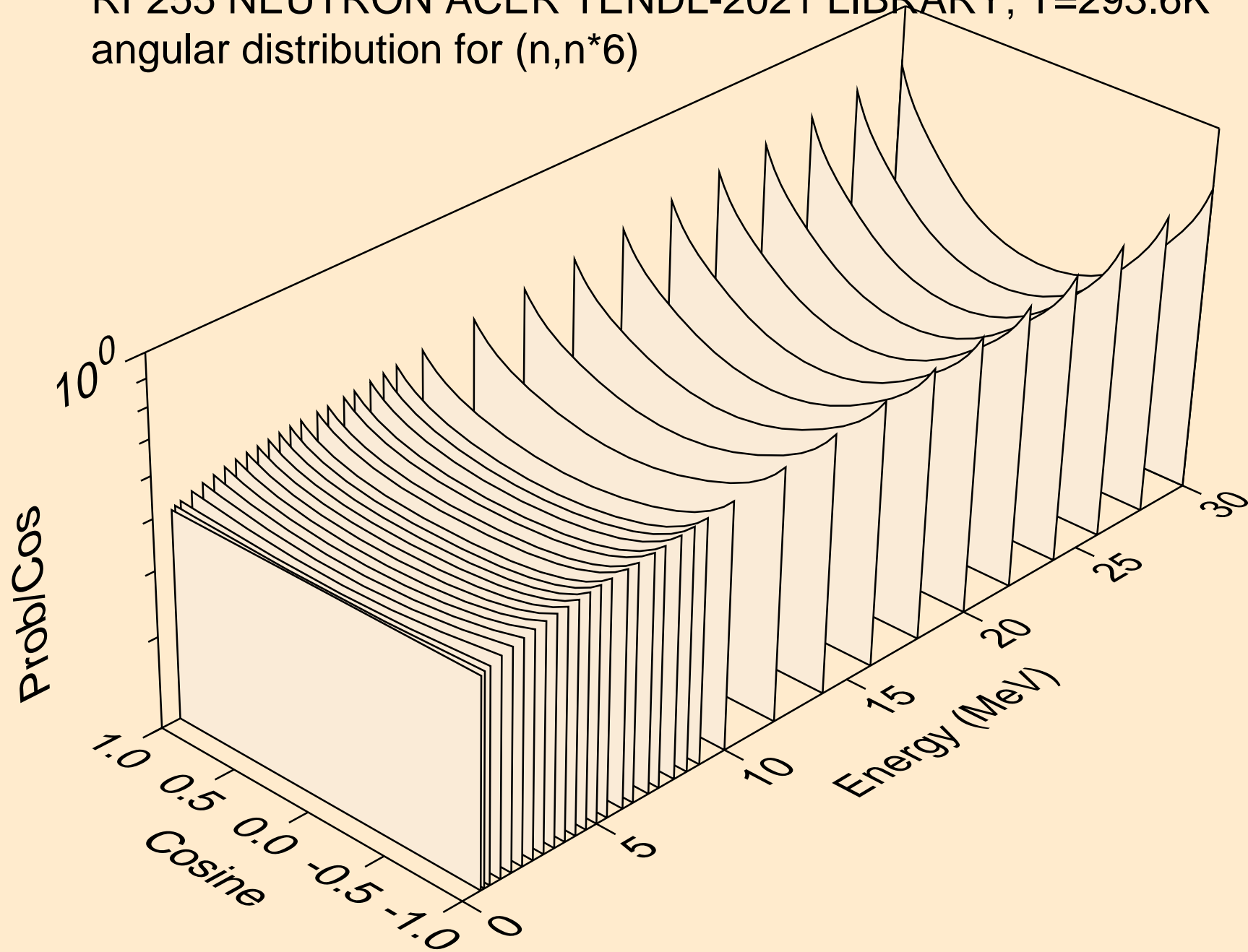
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angular distribution for (n,n\*4)



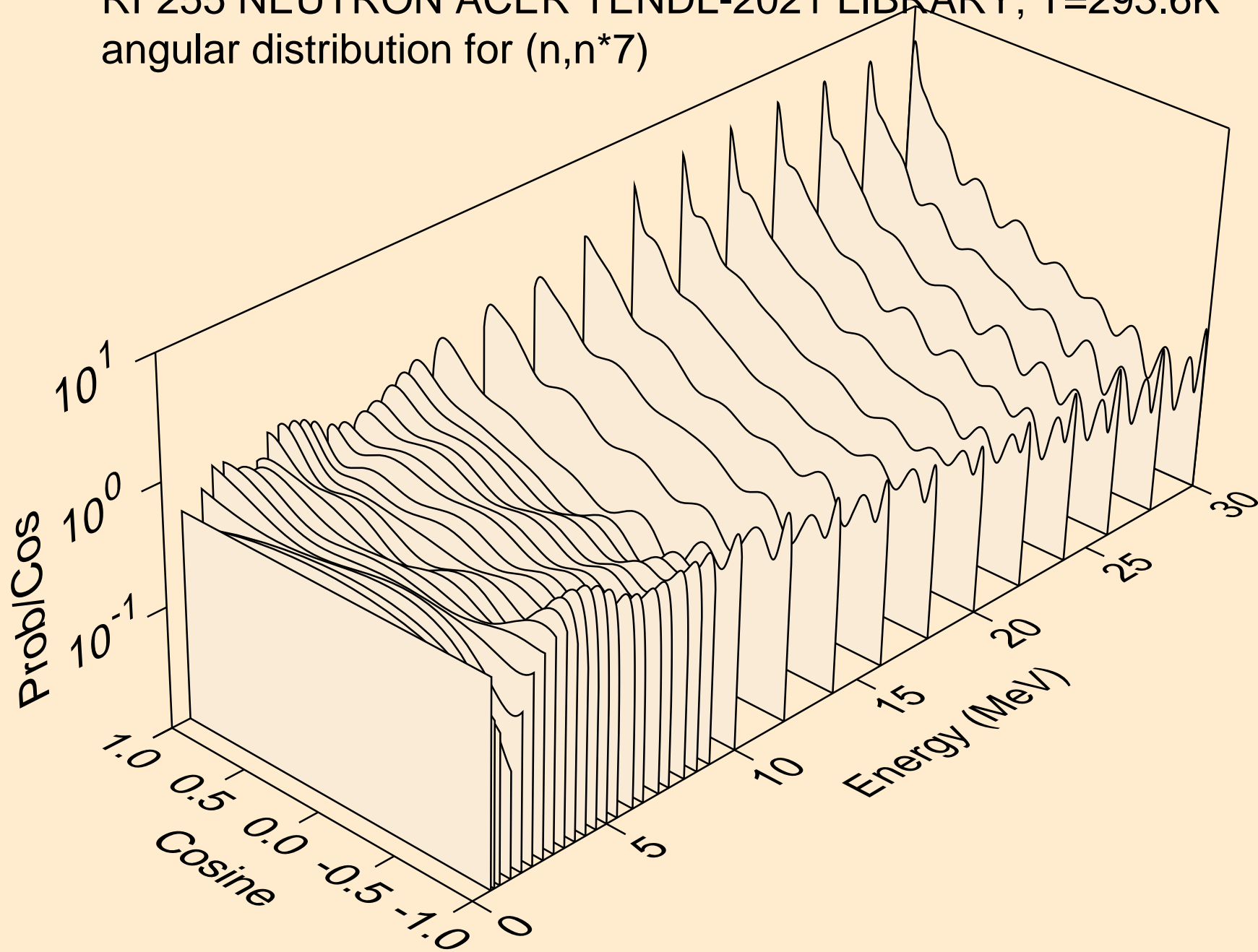
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angular distribution for (n,n\*5)



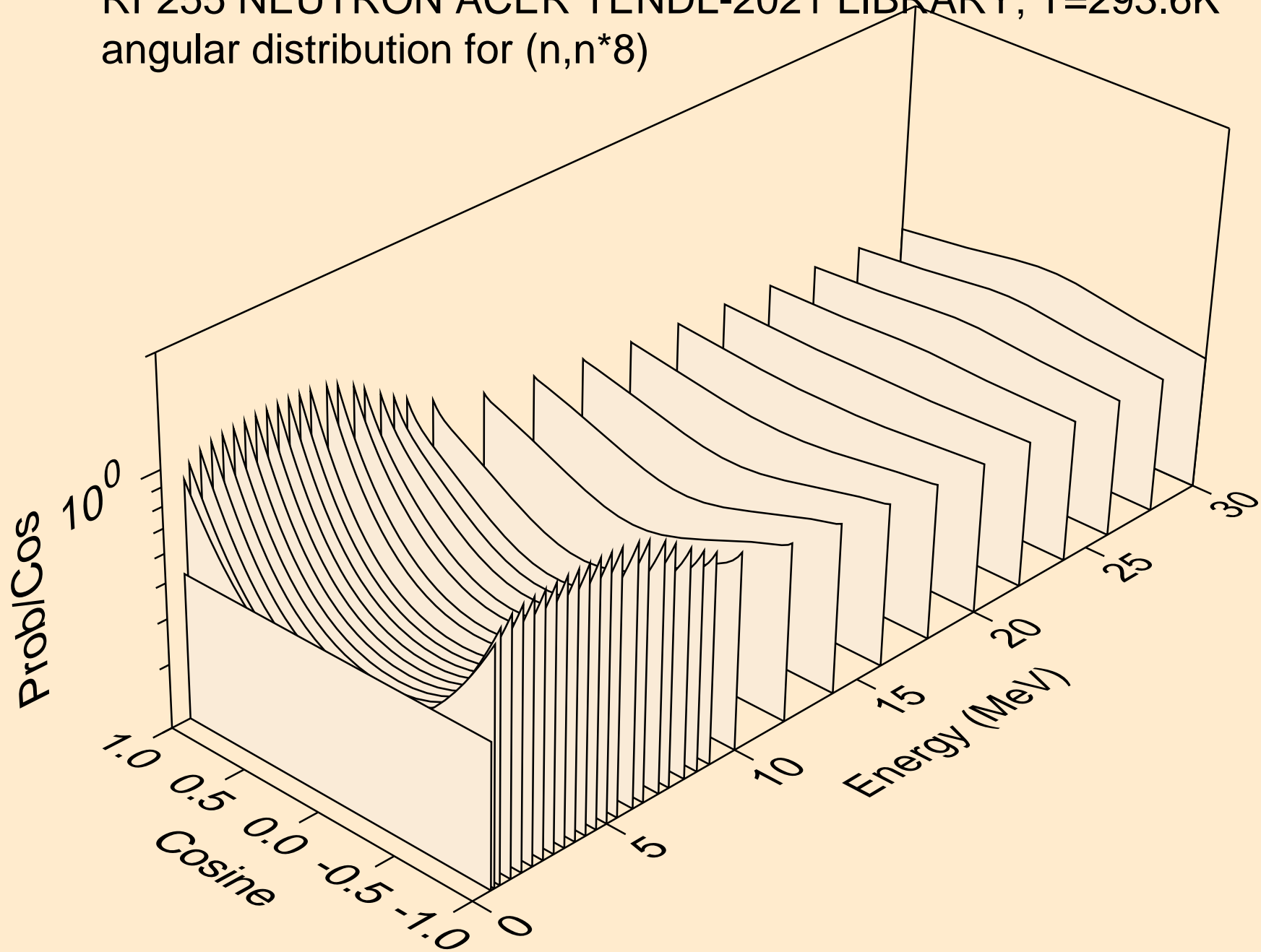
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angular distribution for (n,n\*6)



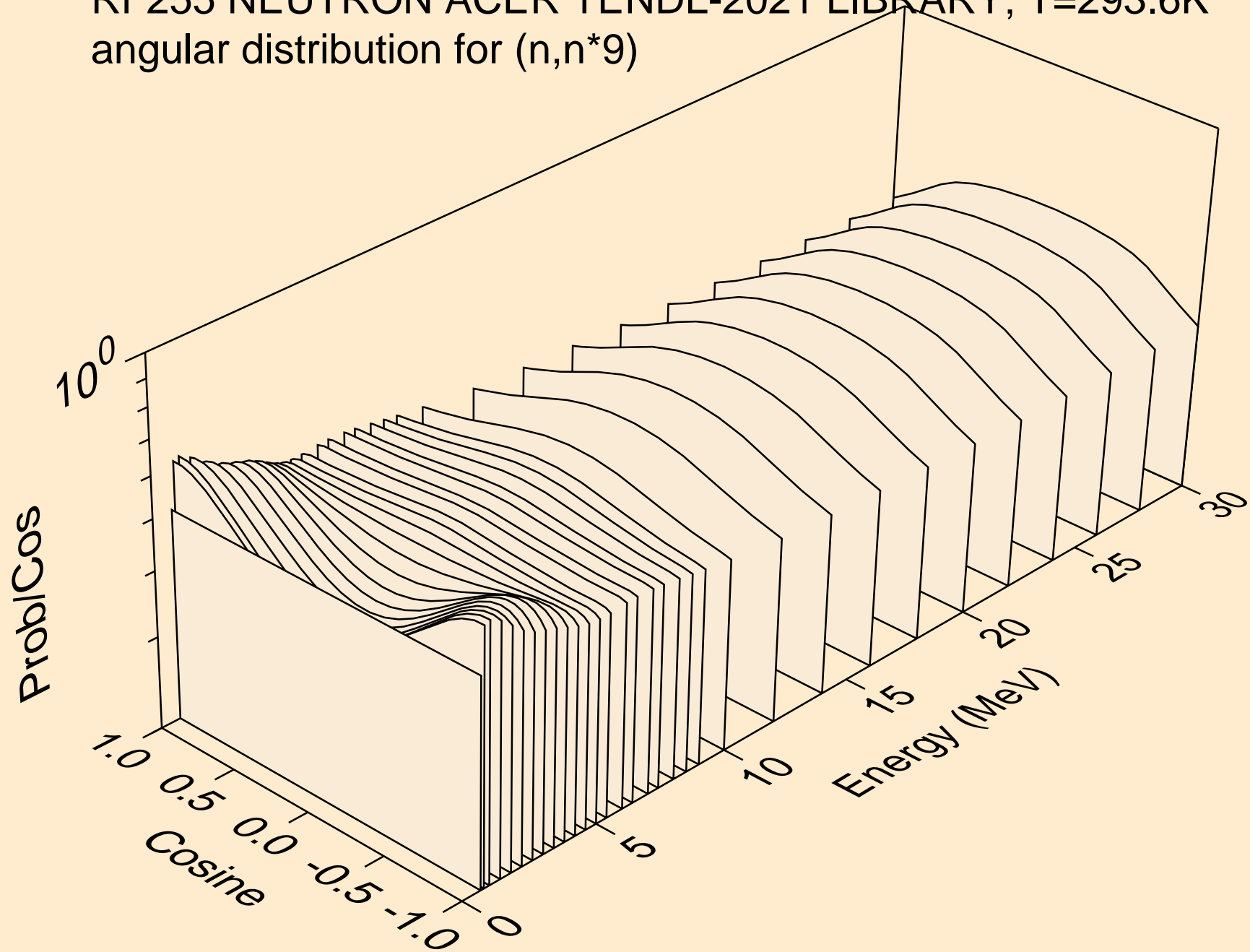
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angular distribution for (n,n\*7)



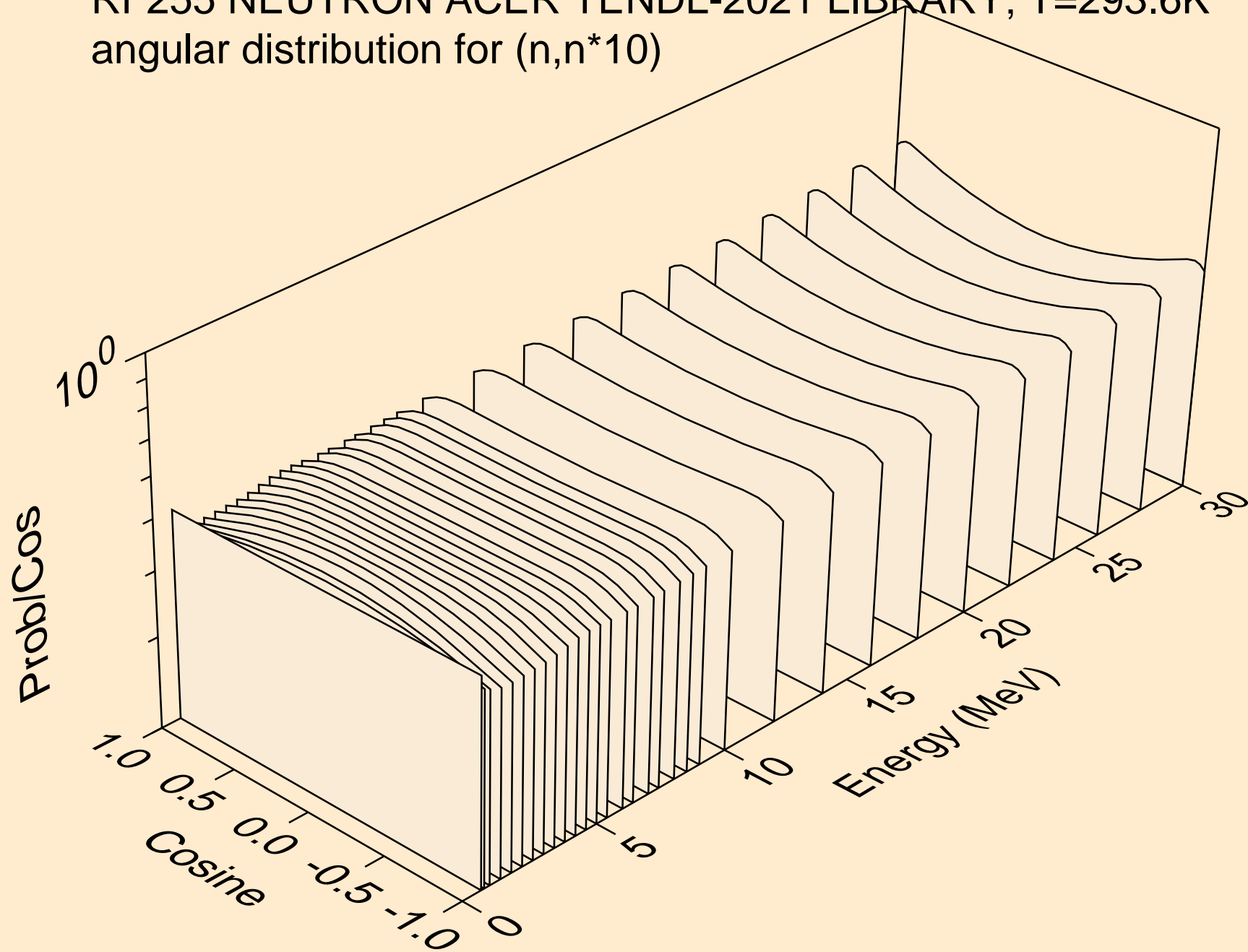
RF255 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*8)



RF255 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*9)

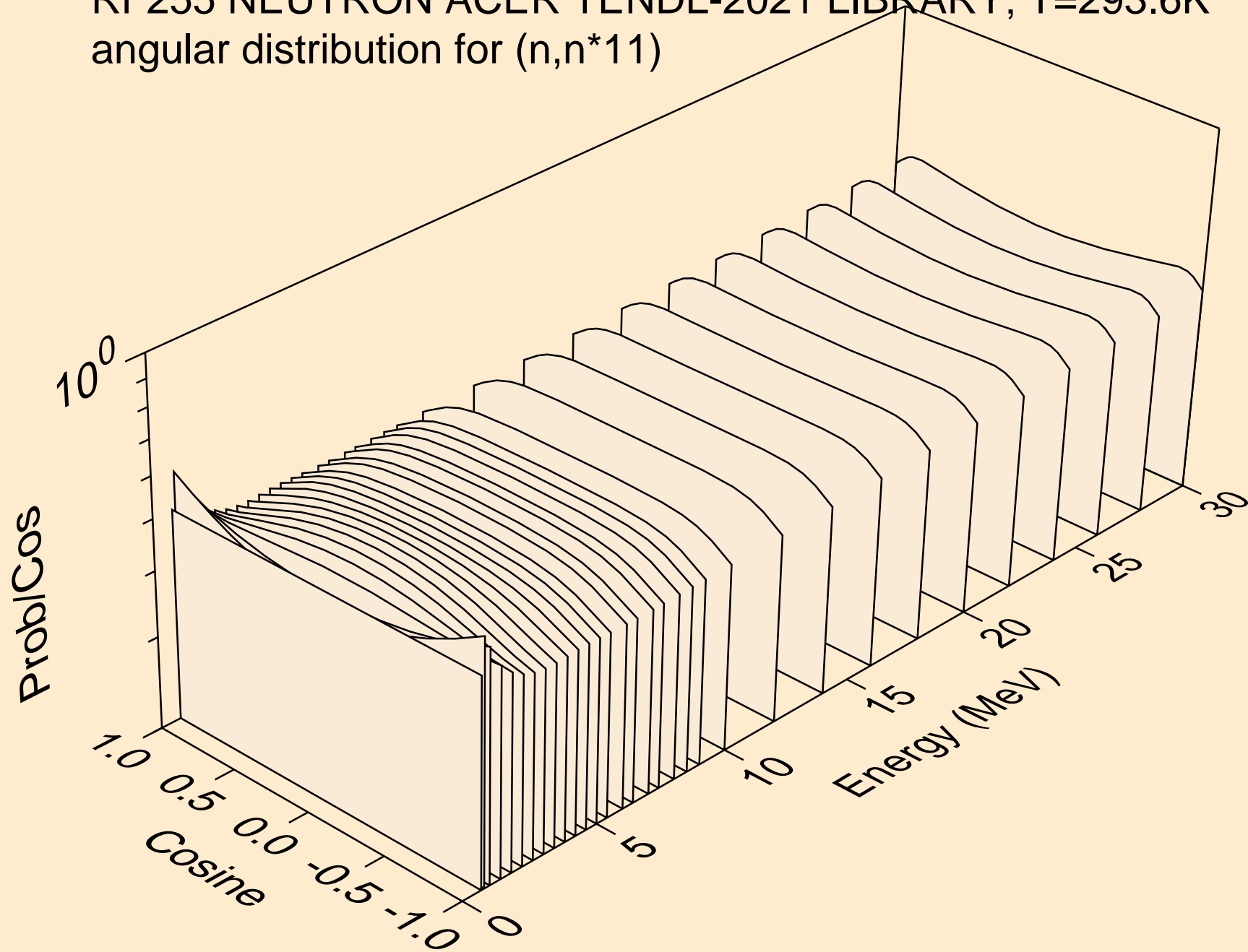


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angular distribution for (n,n\*10)

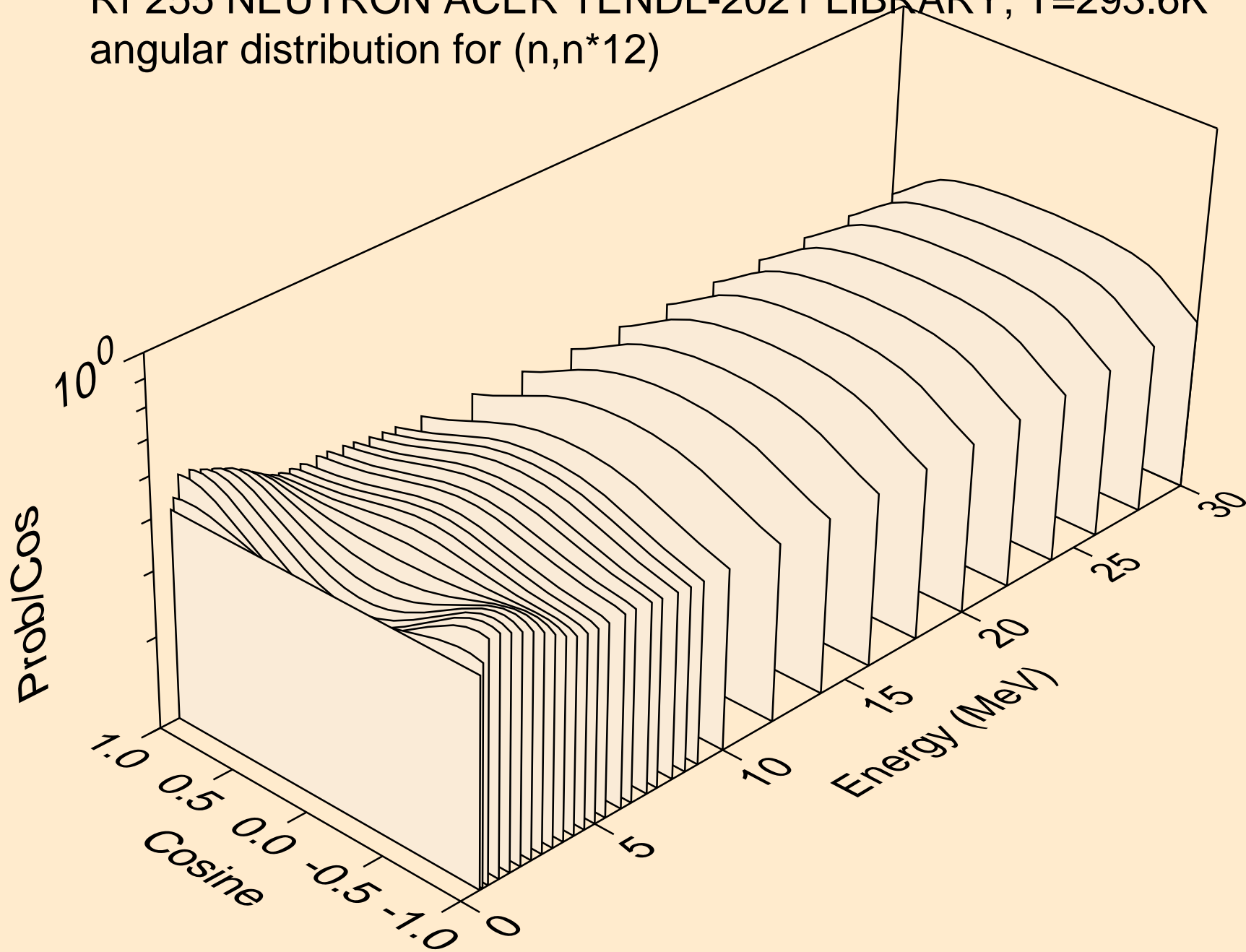




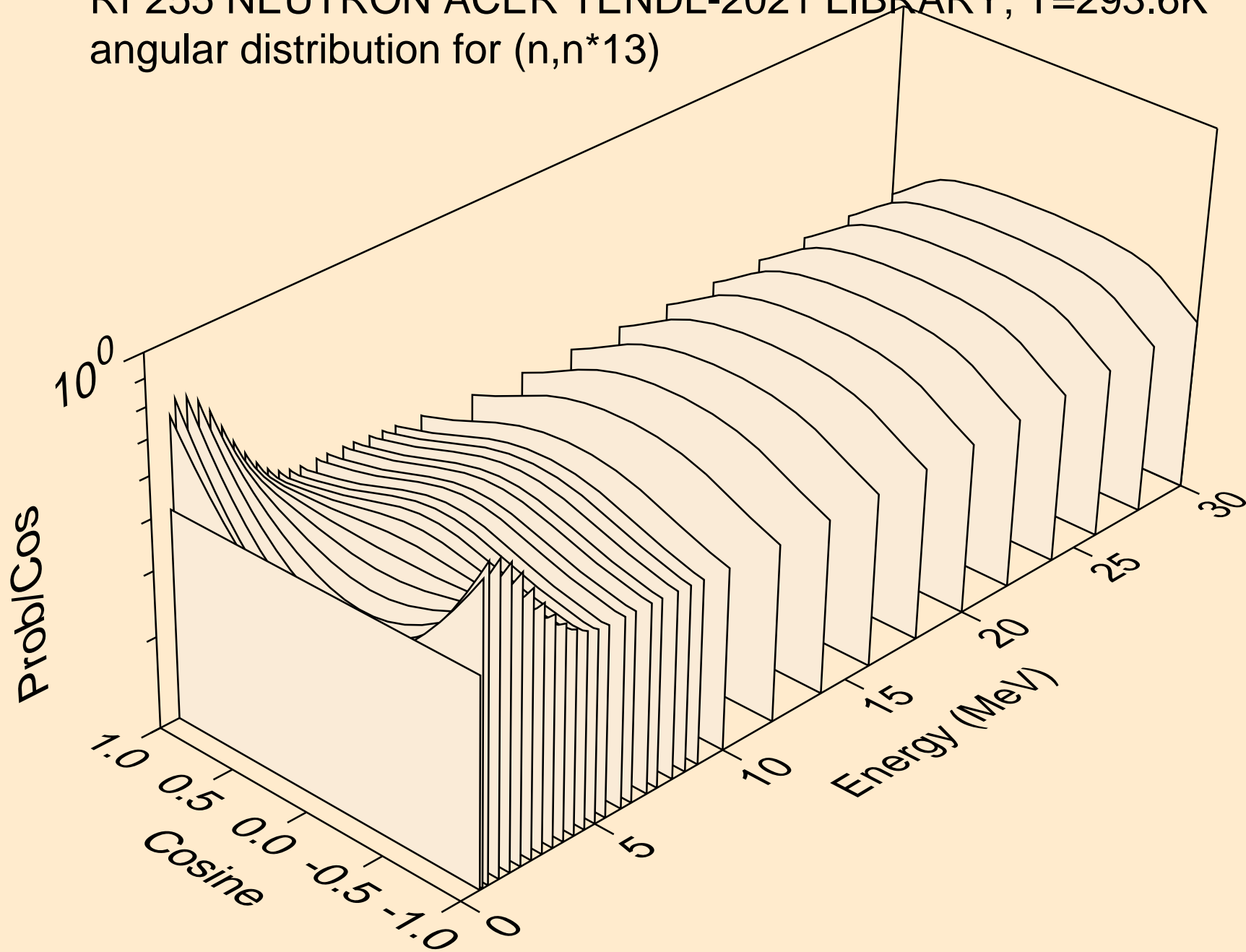
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angular distribution for (n,n\*11)



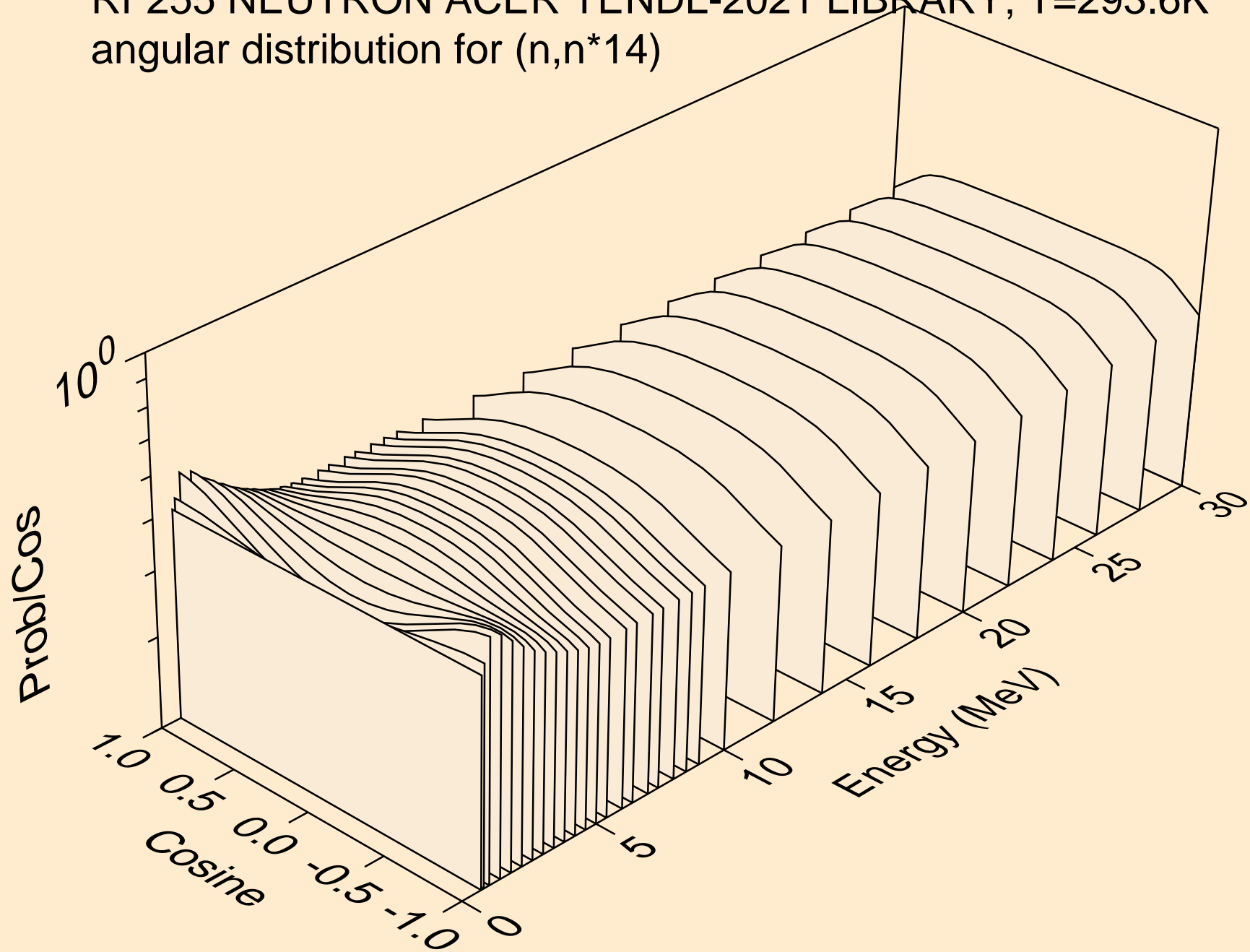
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angular distribution for (n,n\*12)



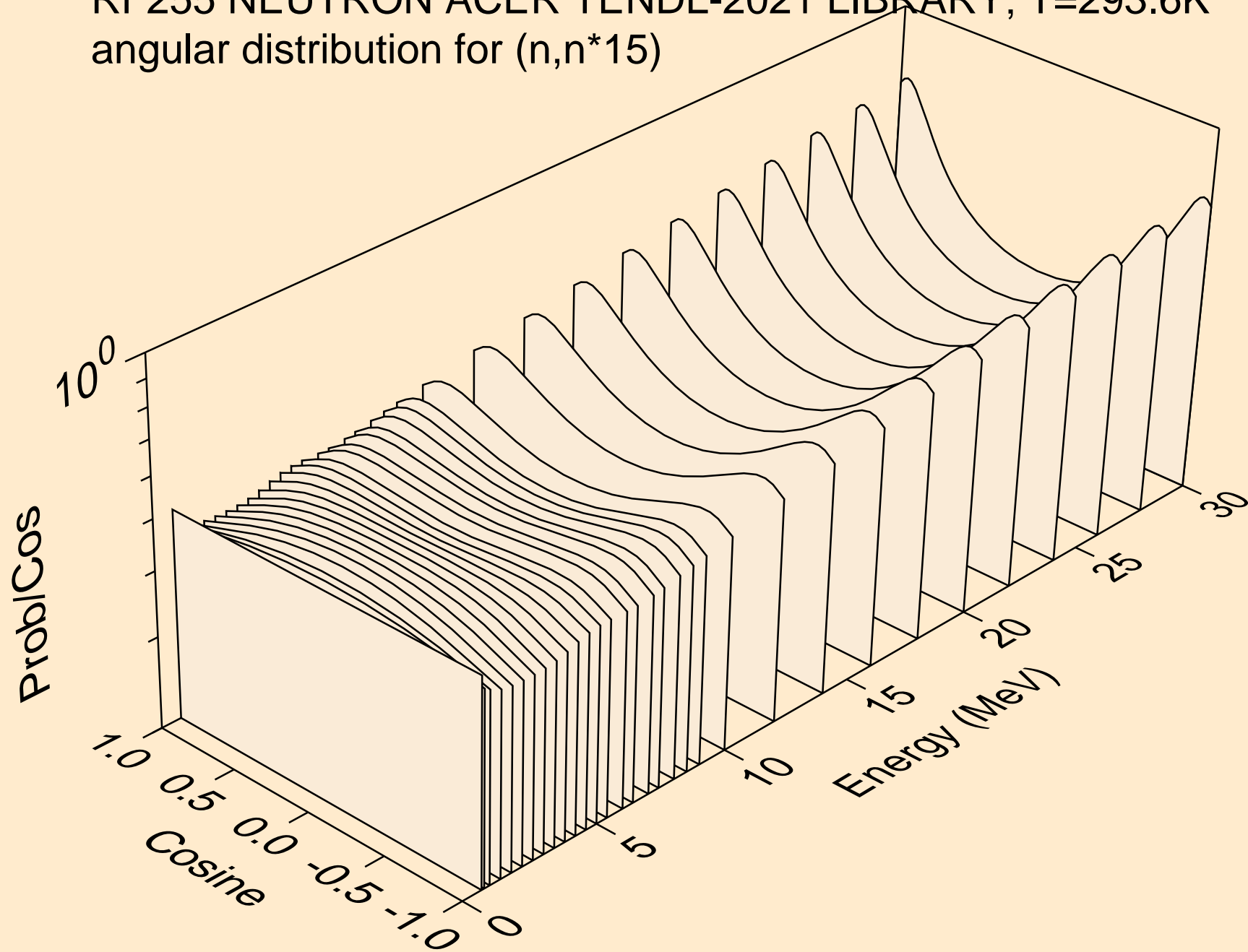
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angular distribution for (n,n\*13)



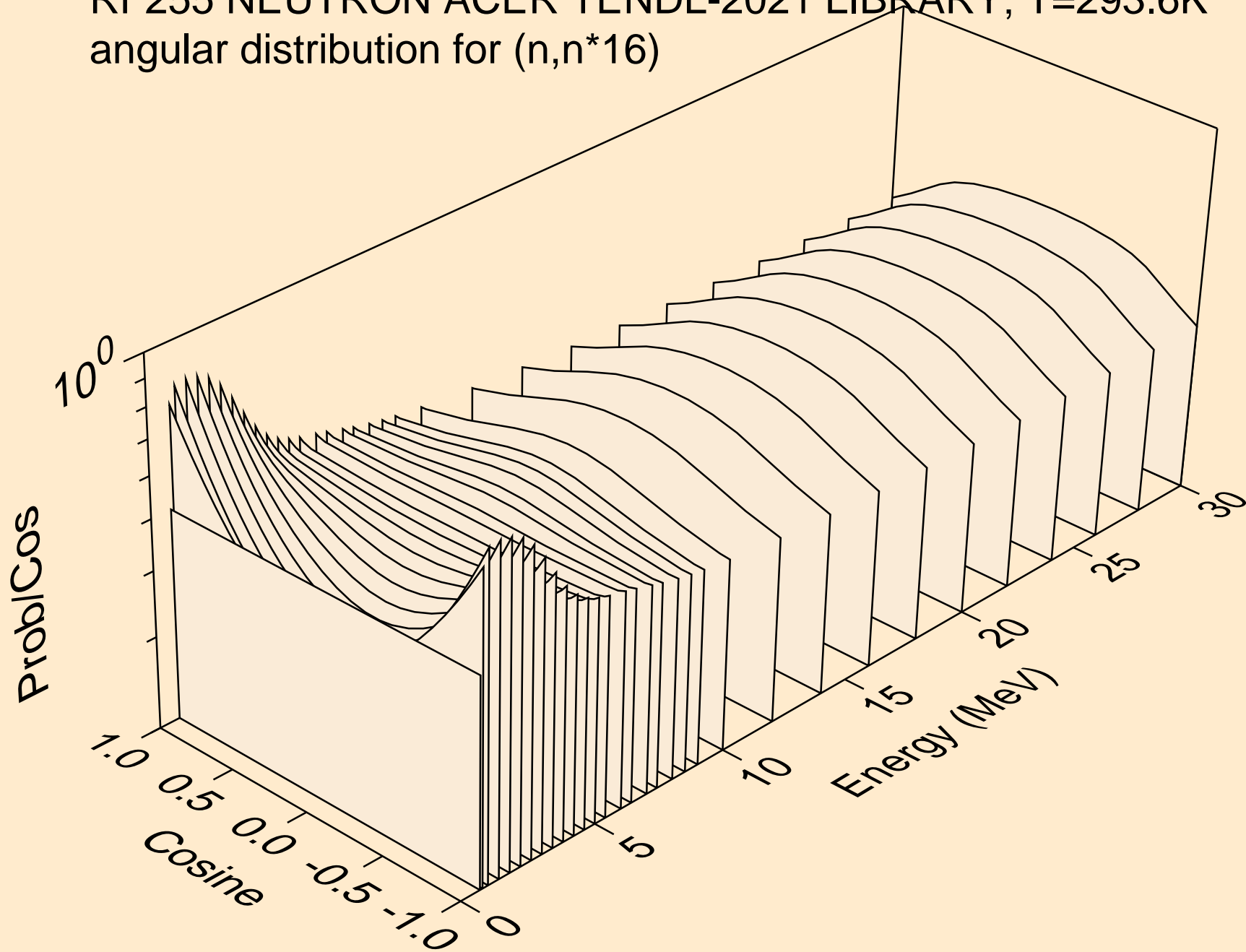
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angular distribution for (n,n\*14)



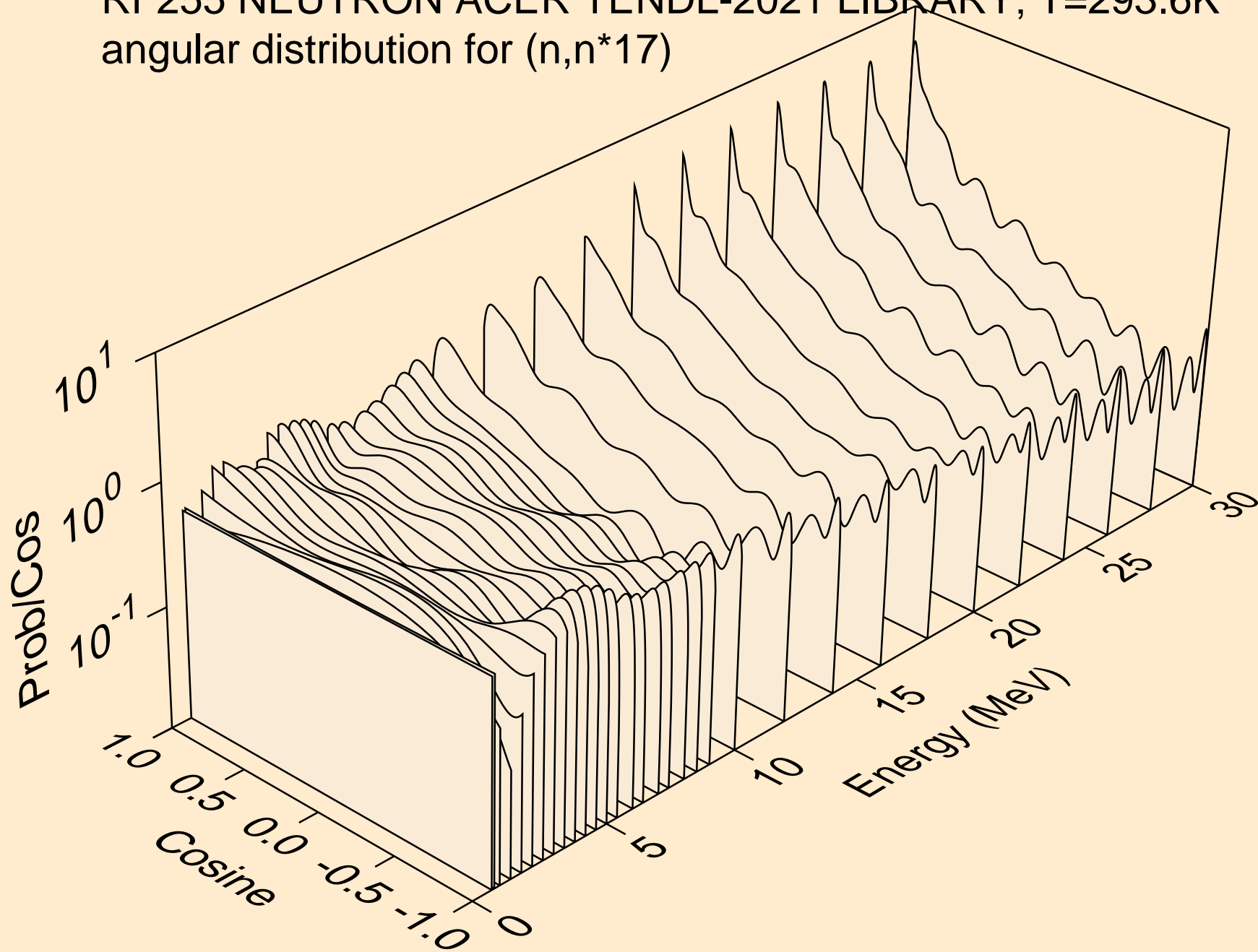
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angular distribution for (n,n\*15)



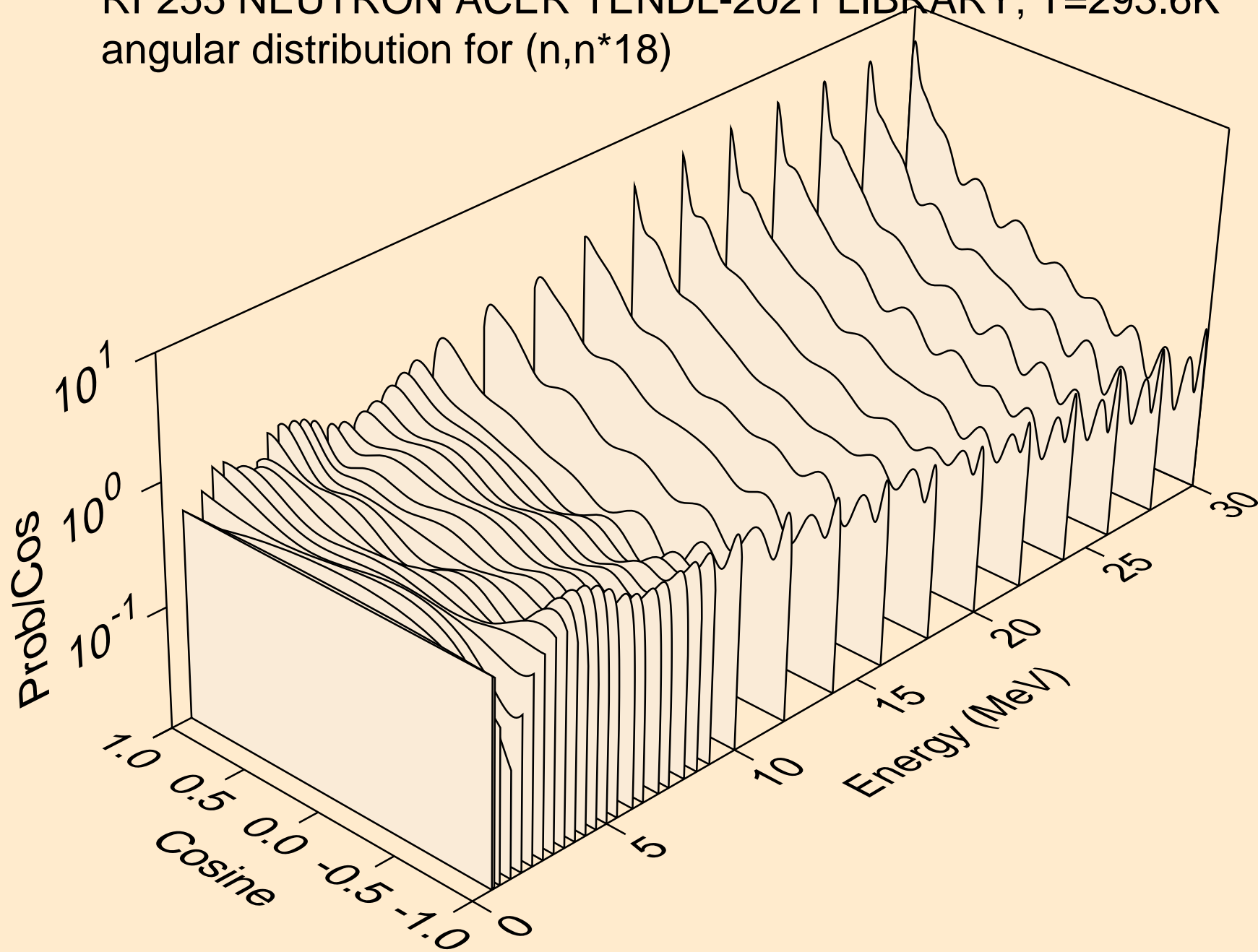
RF255 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*16)



RF255 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*17)

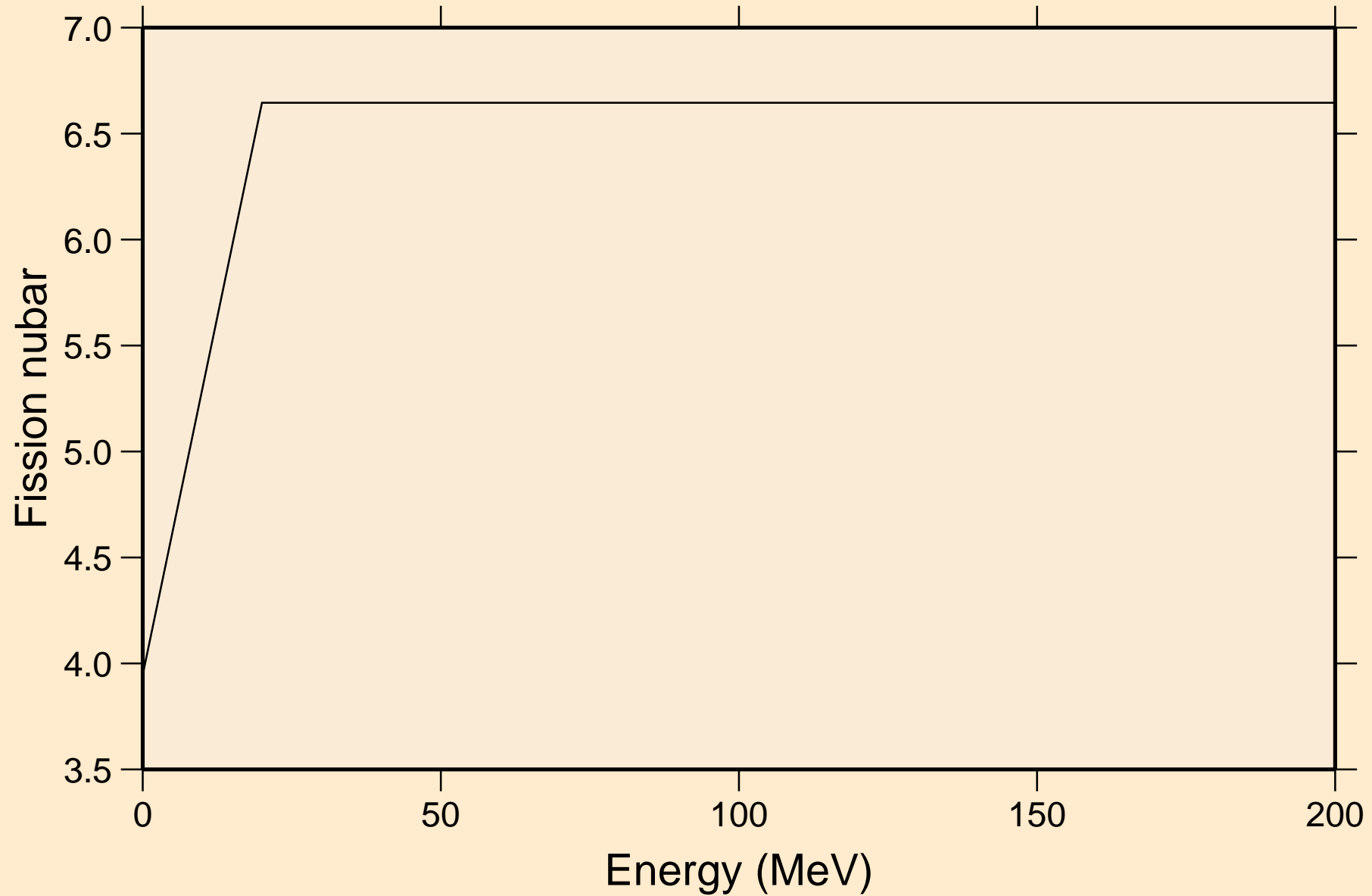


RF255 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*18)

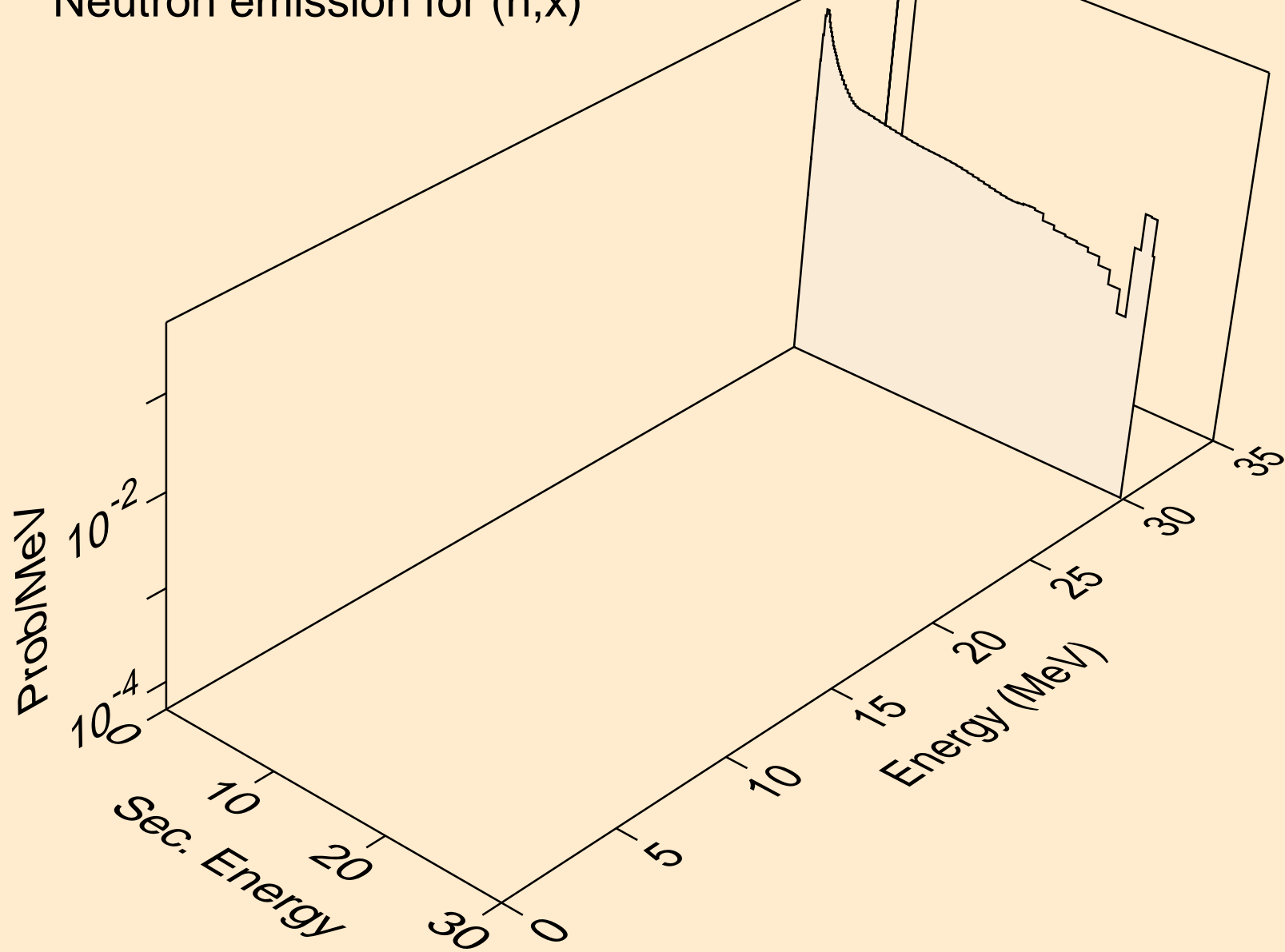




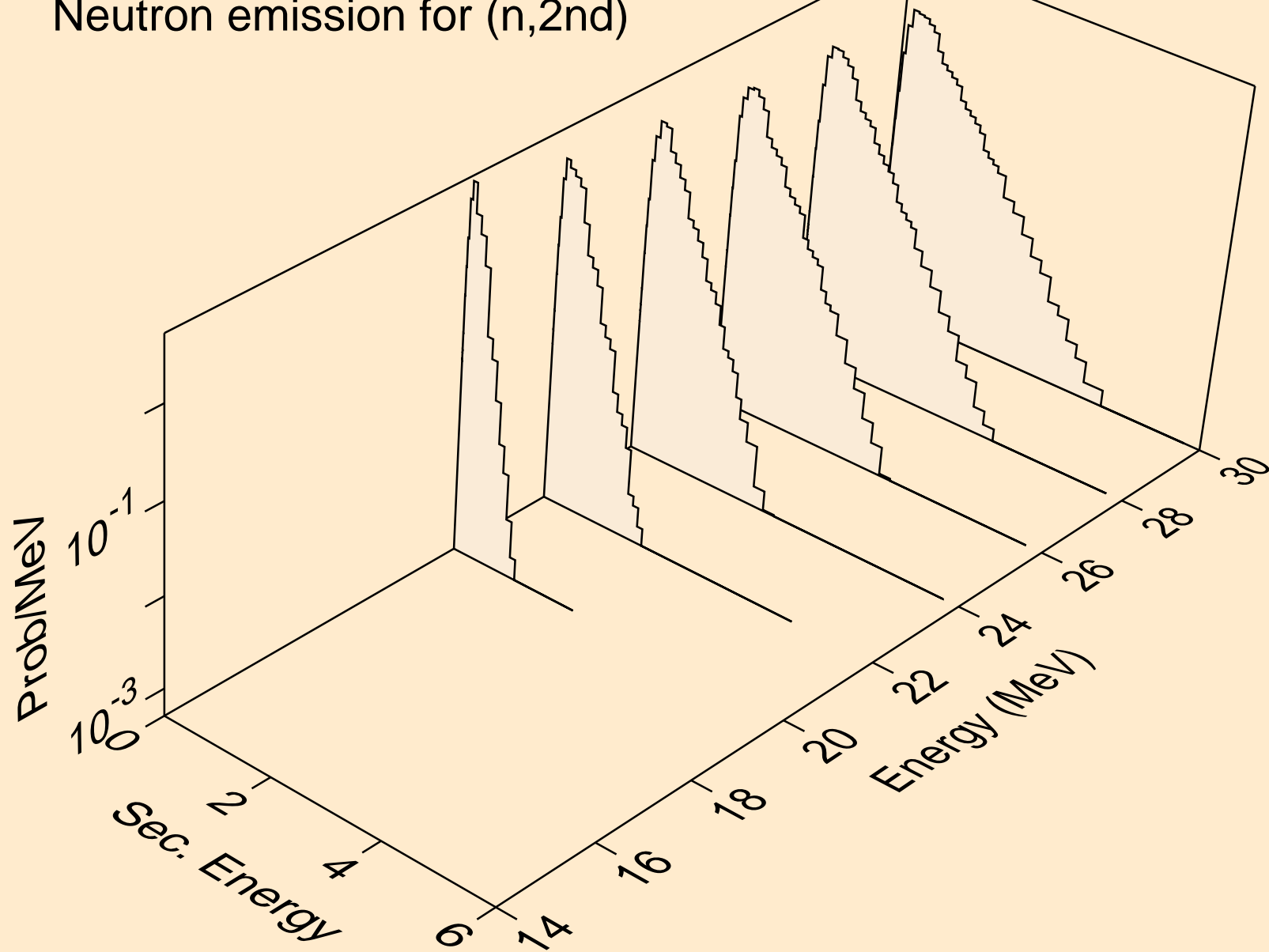
RF255 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Total fission nubar



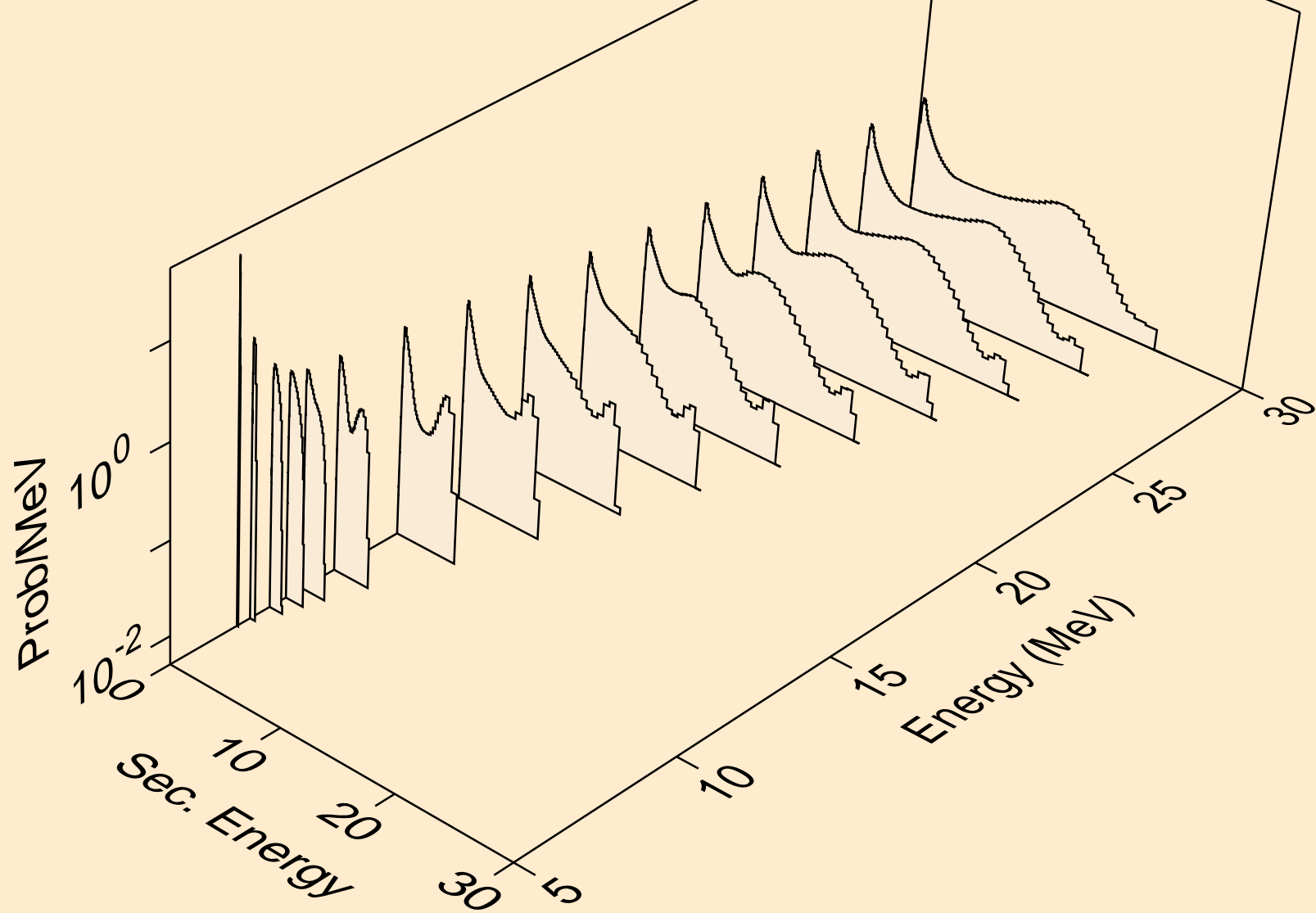
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Neutron emission for (n,x)



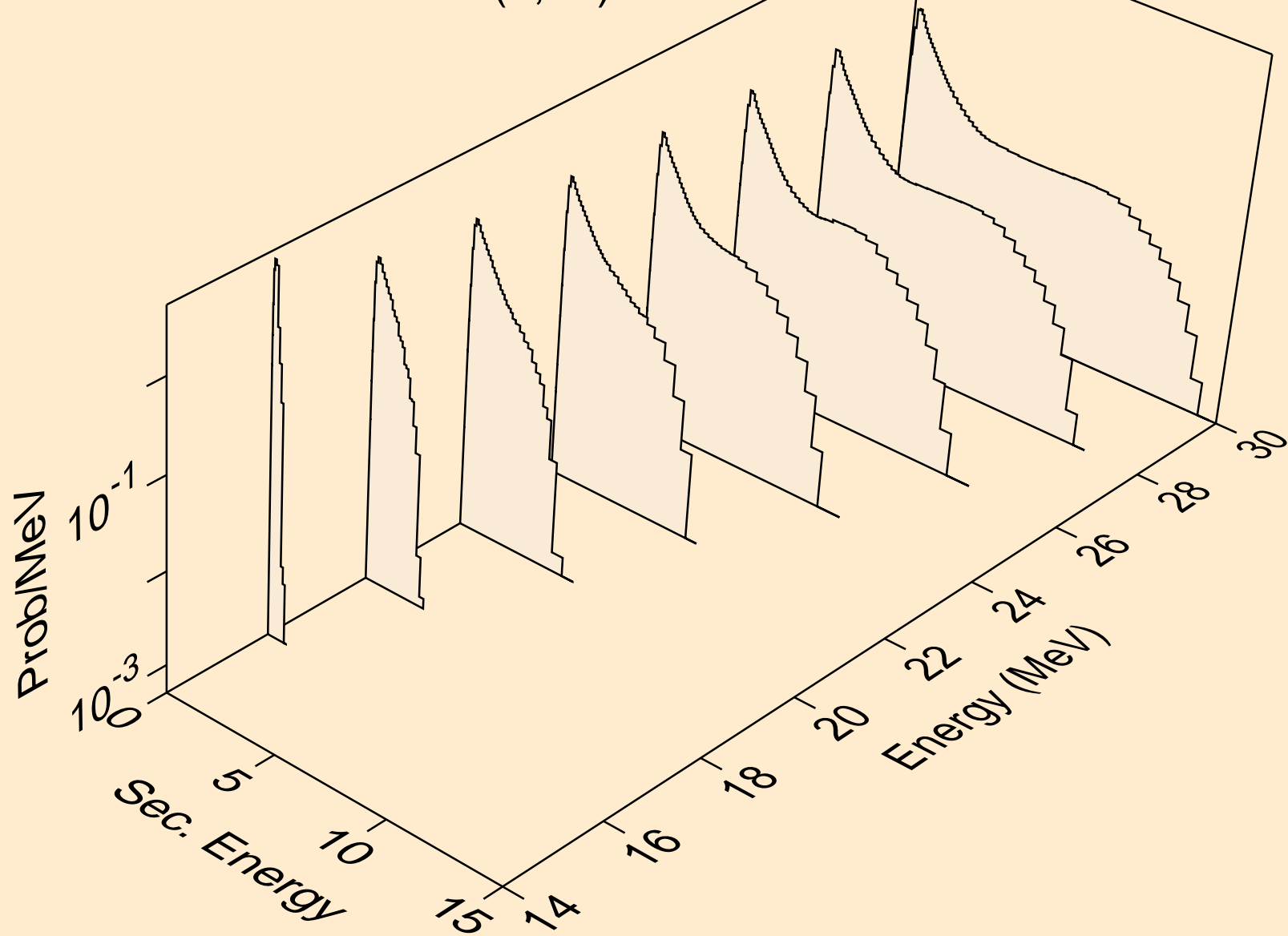
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Neutron emission for (n,2nd)



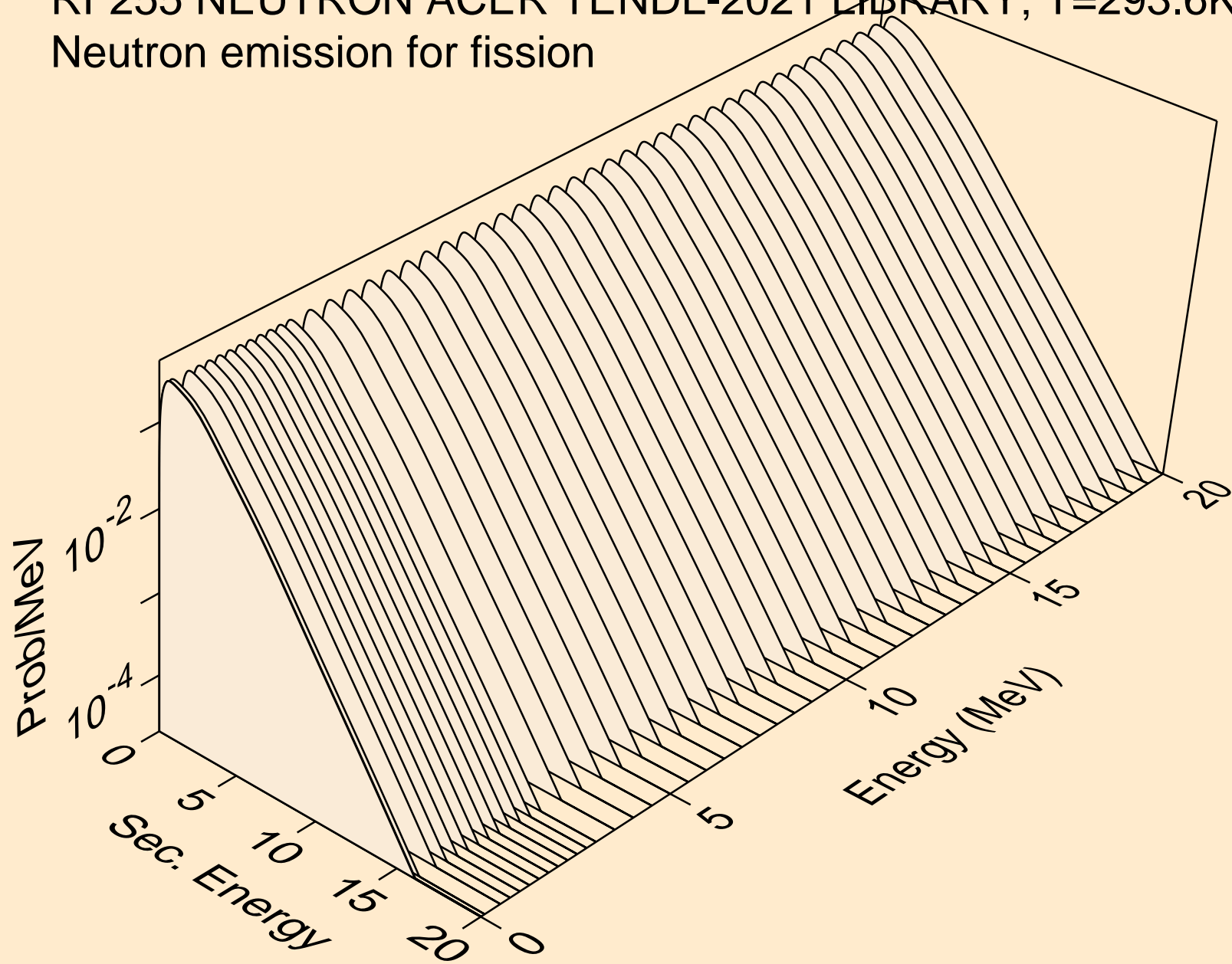
RF255 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)



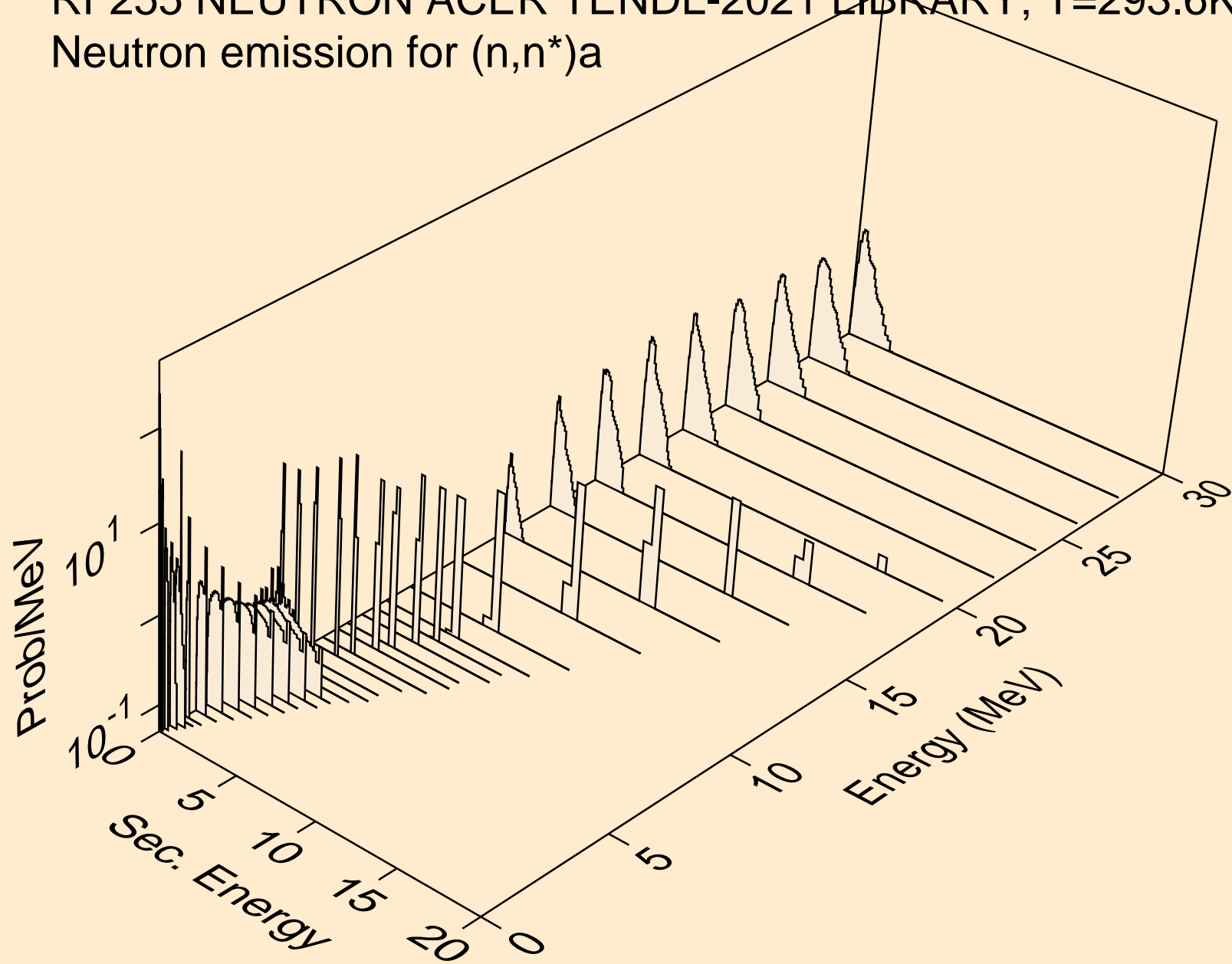
RF255 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3n)



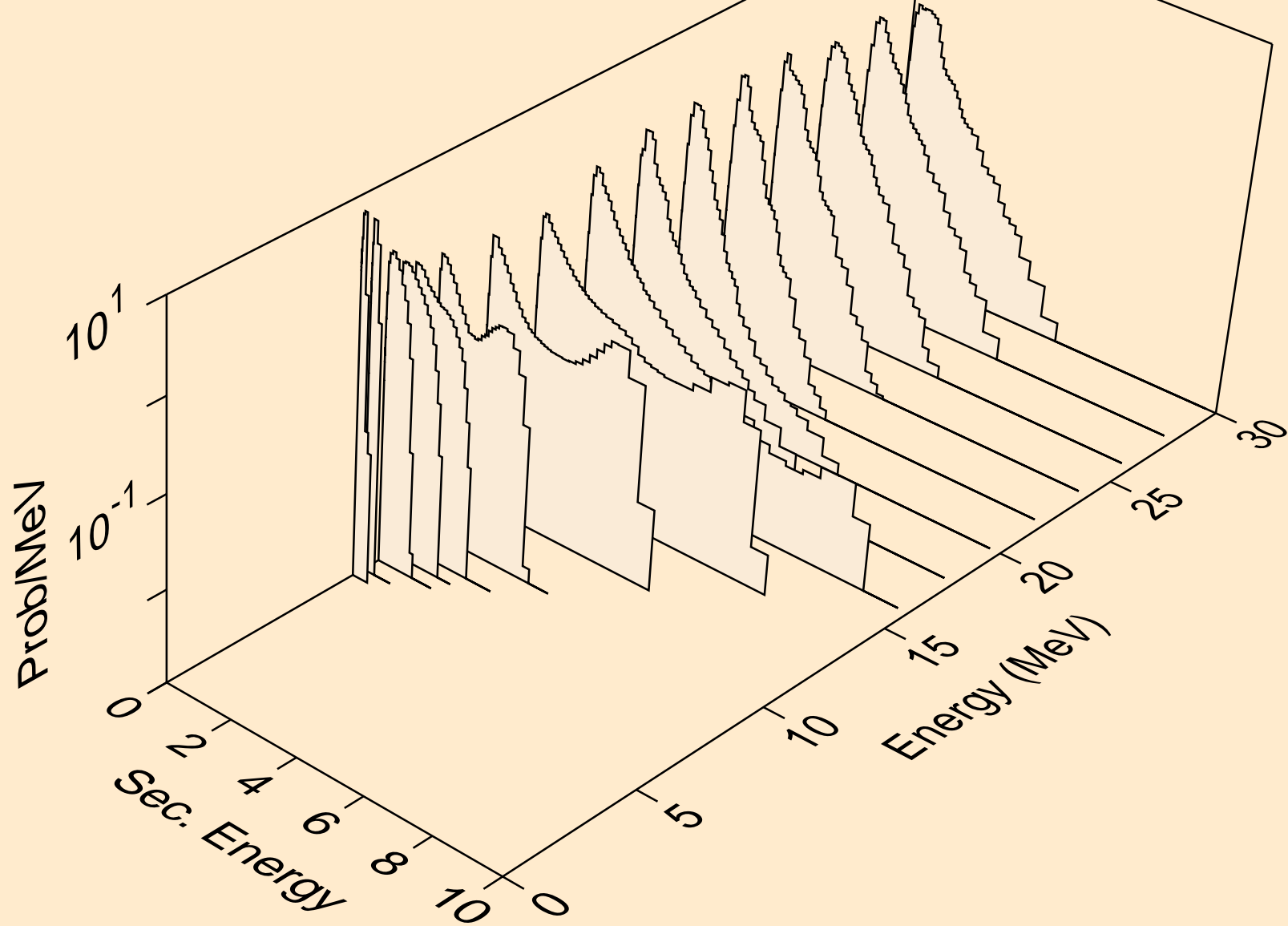
RF255 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for fission



RF255 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)a

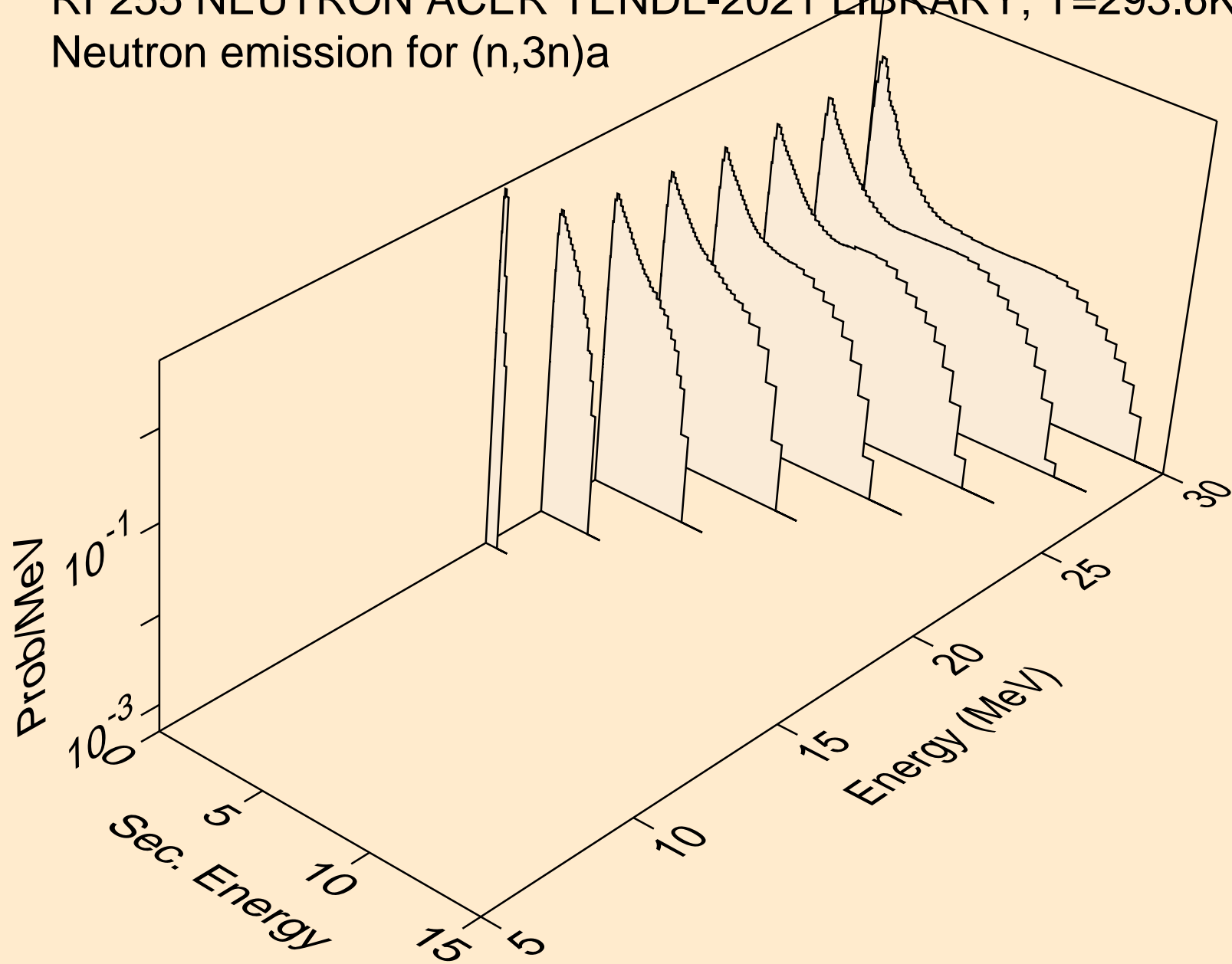


RF255 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)<sub>a</sub>

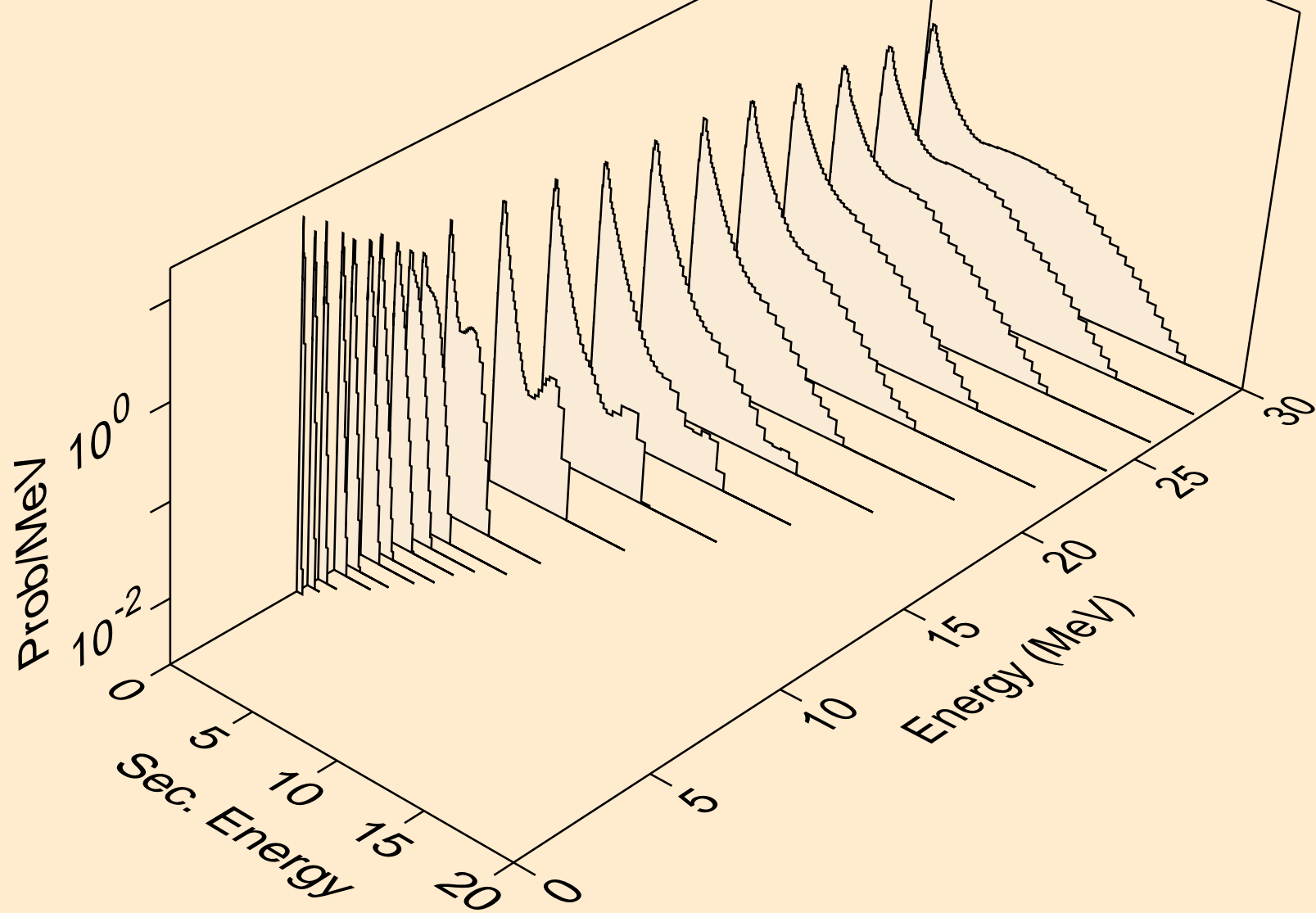




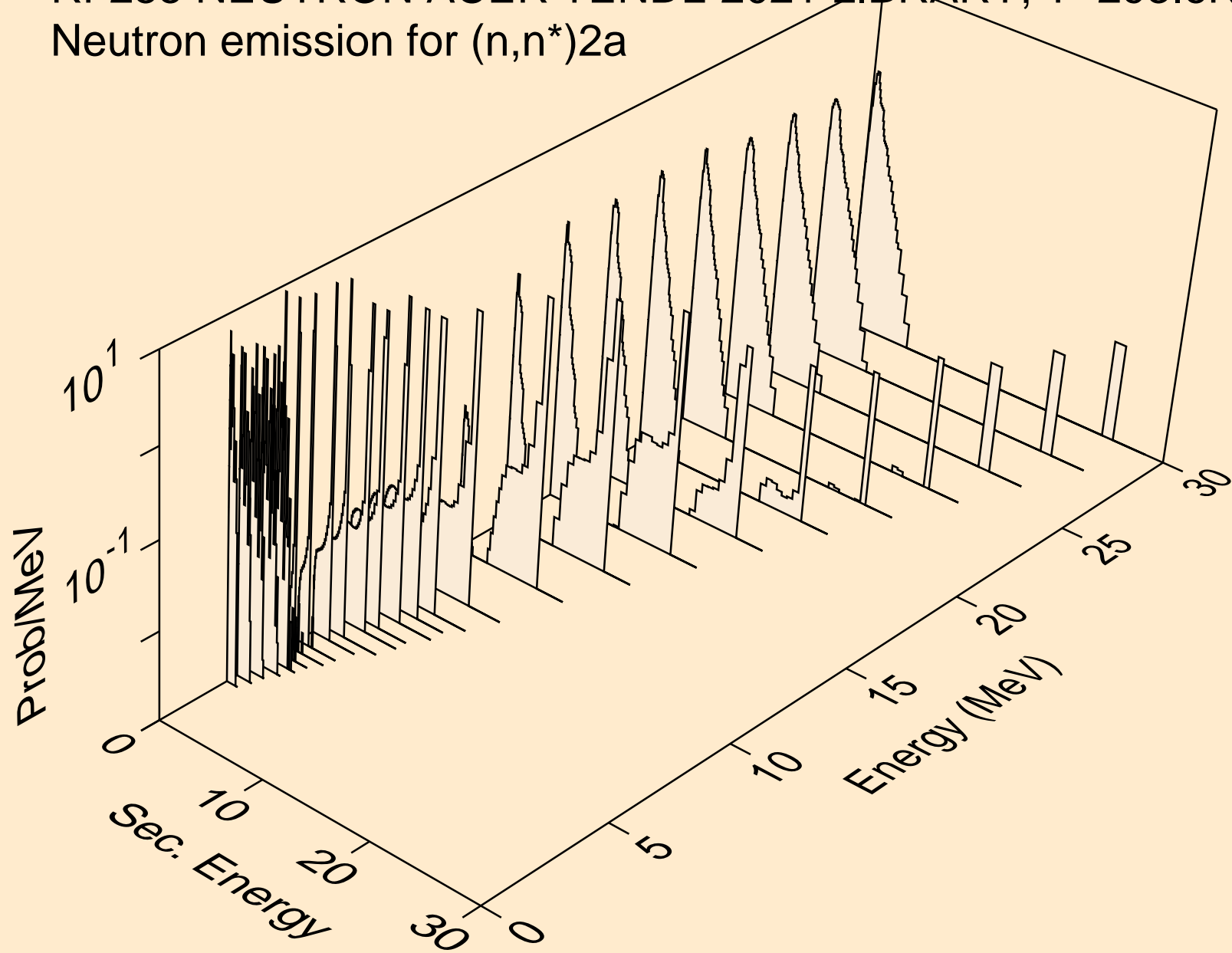
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Neutron emission for (n,3n)a



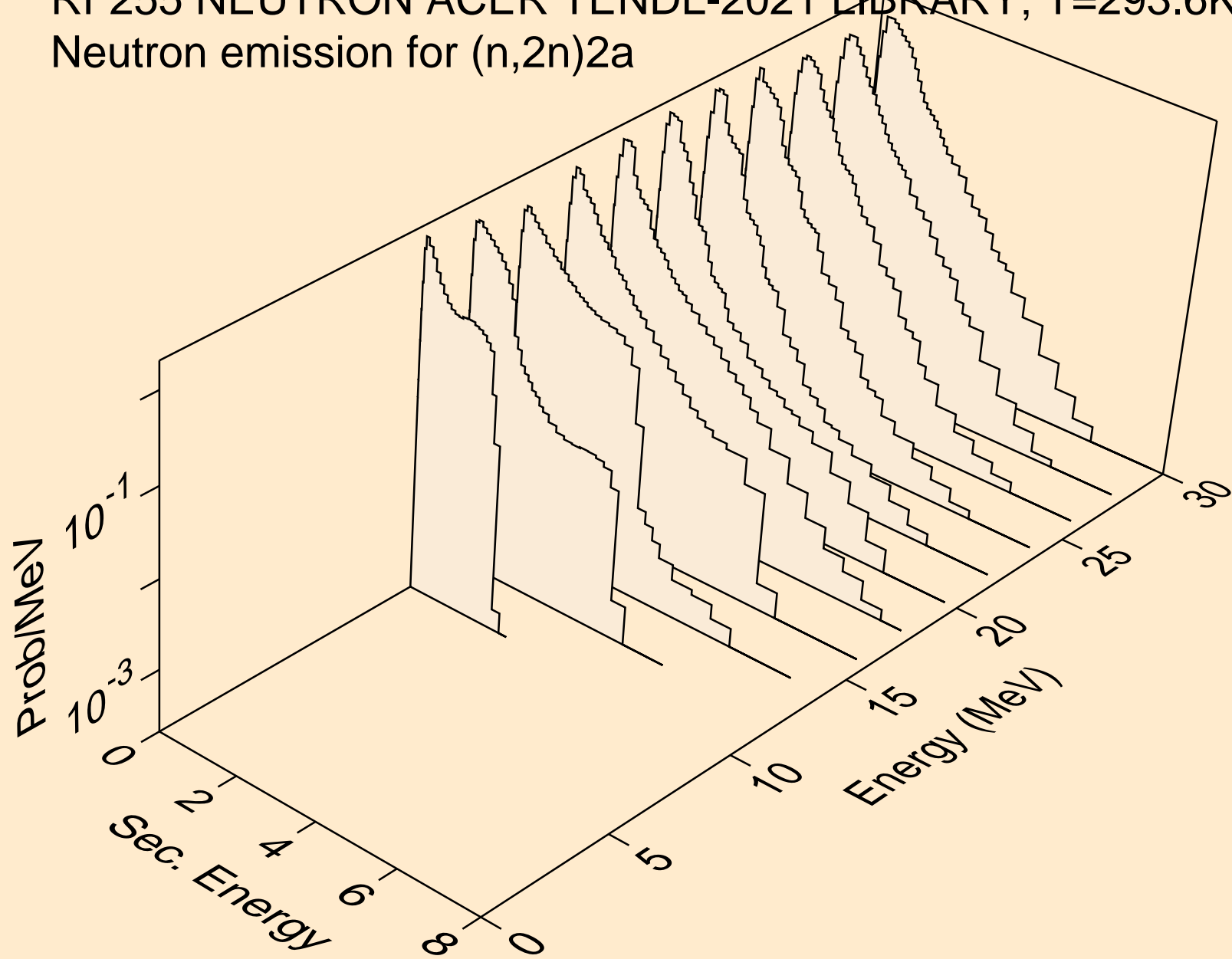
RF255 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)p



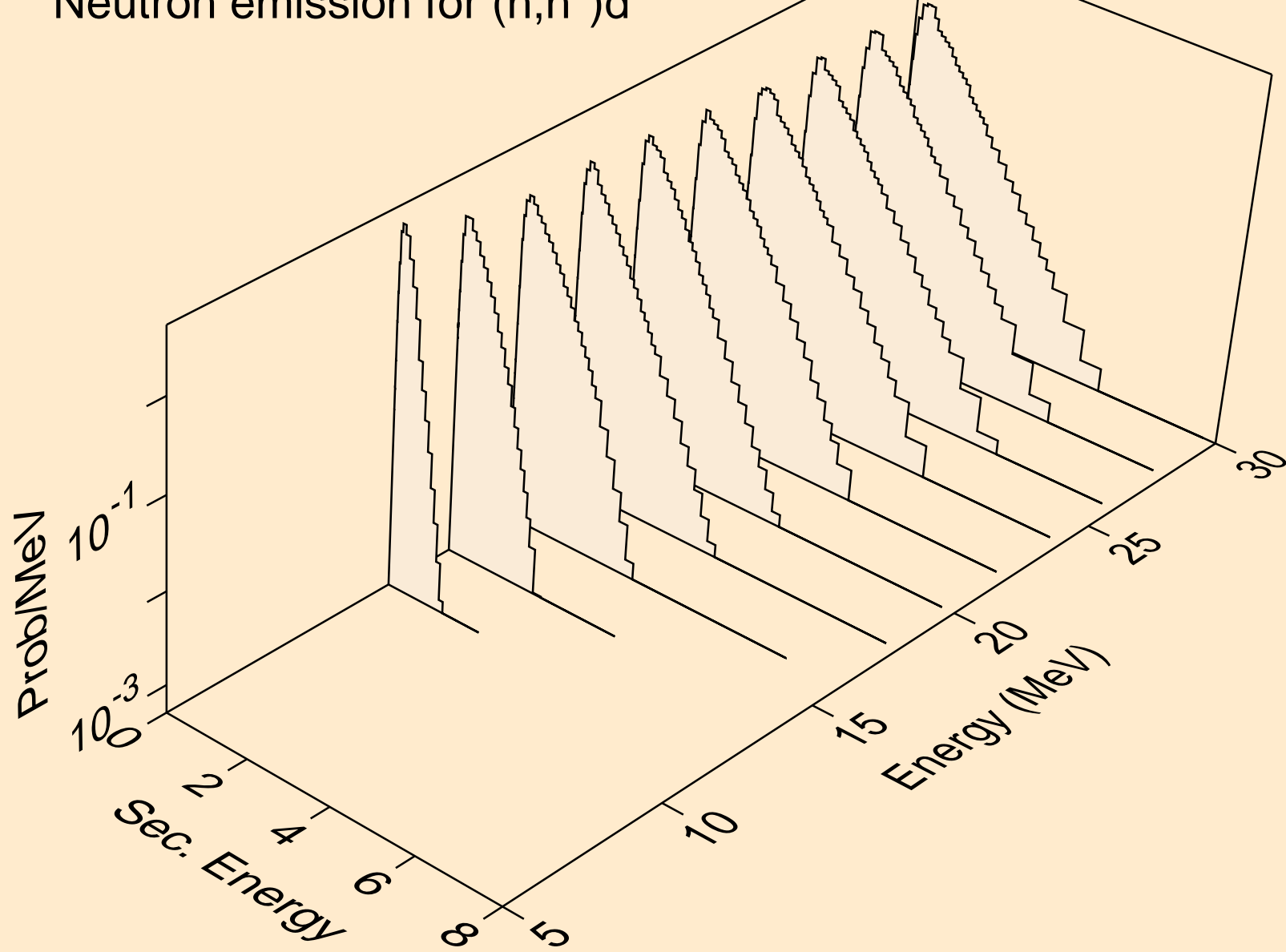
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Neutron emission for (n,n\*)2a



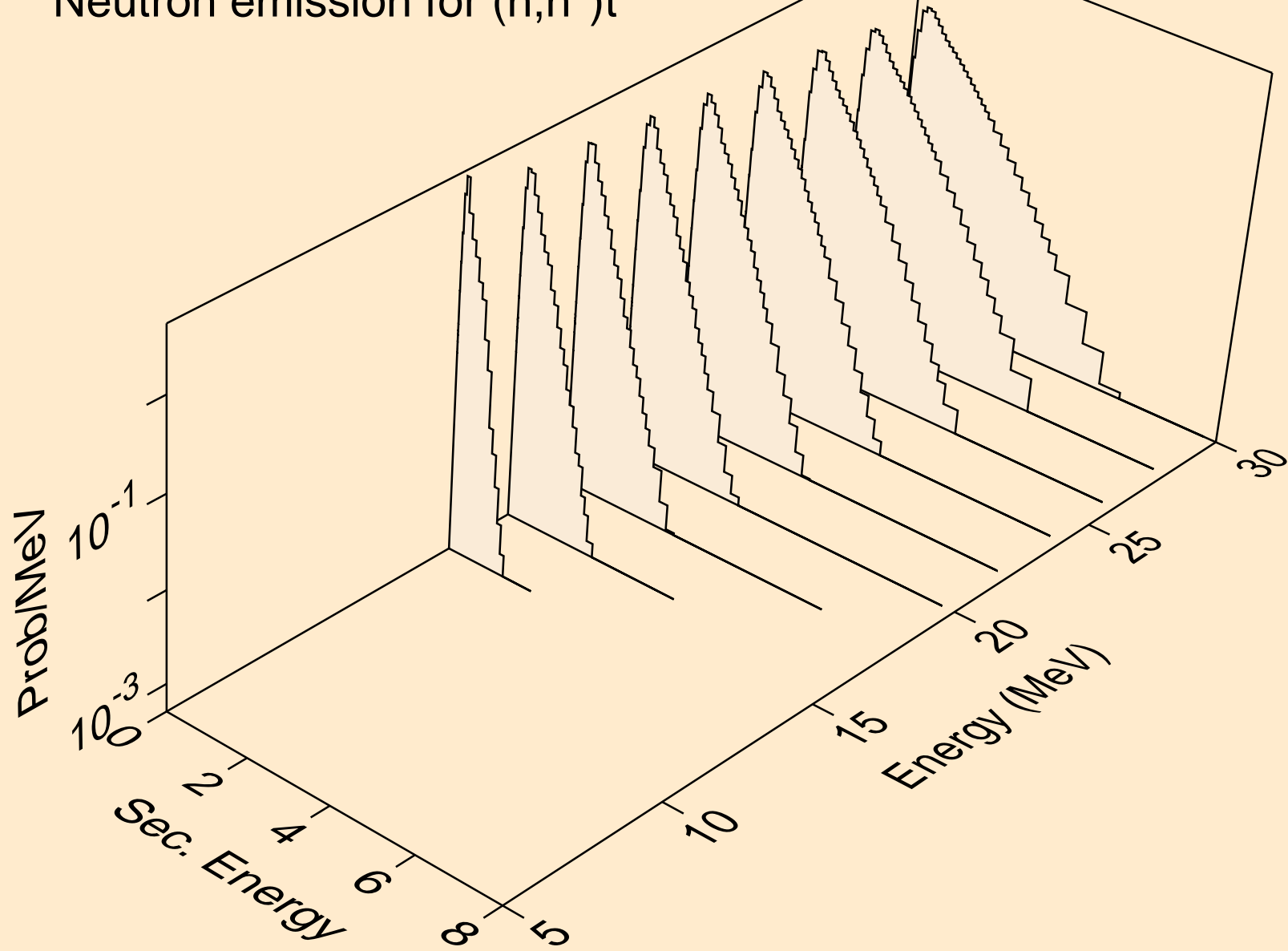
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Neutron emission for (n,2n)2a



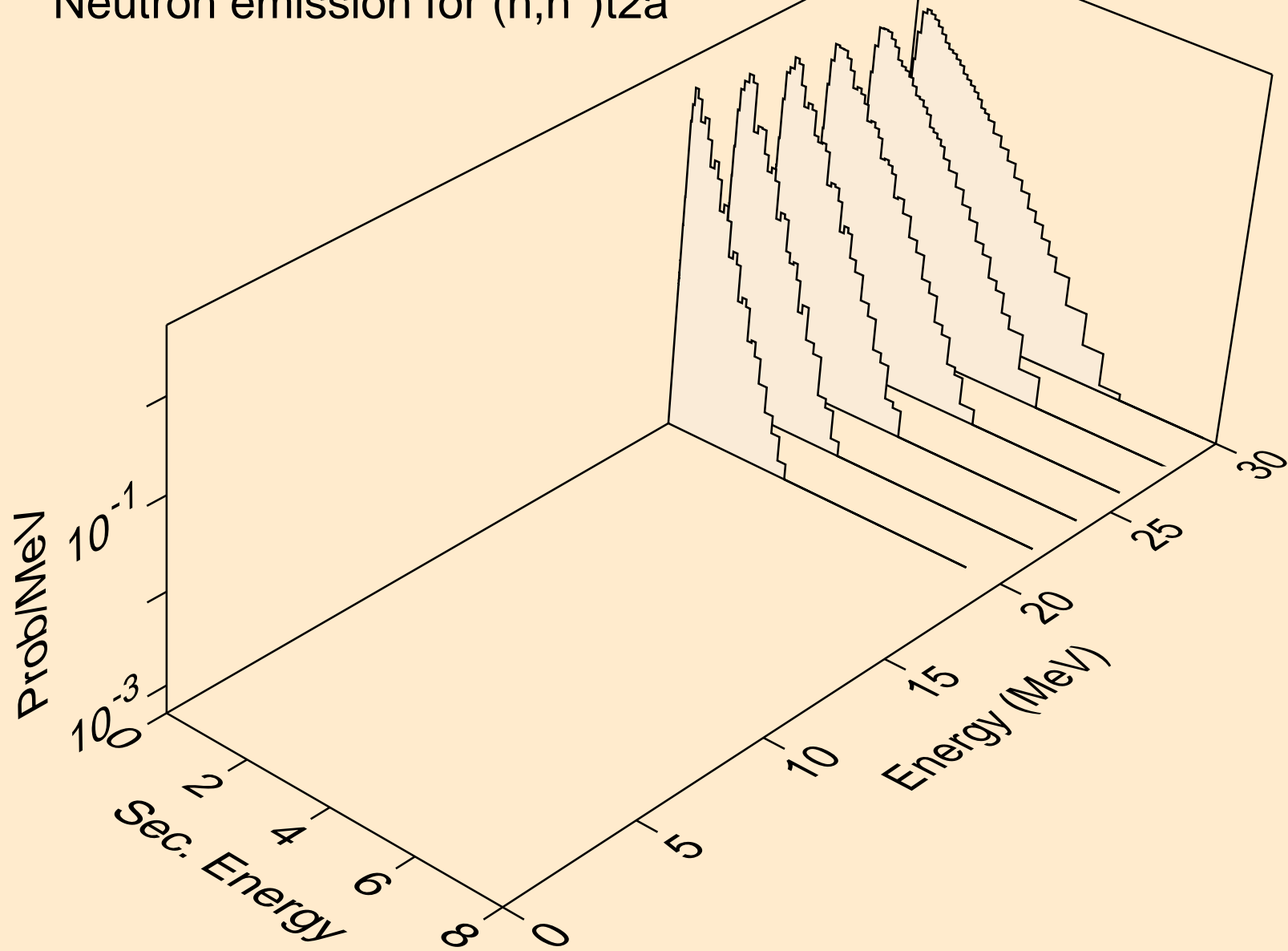
RF255 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)d



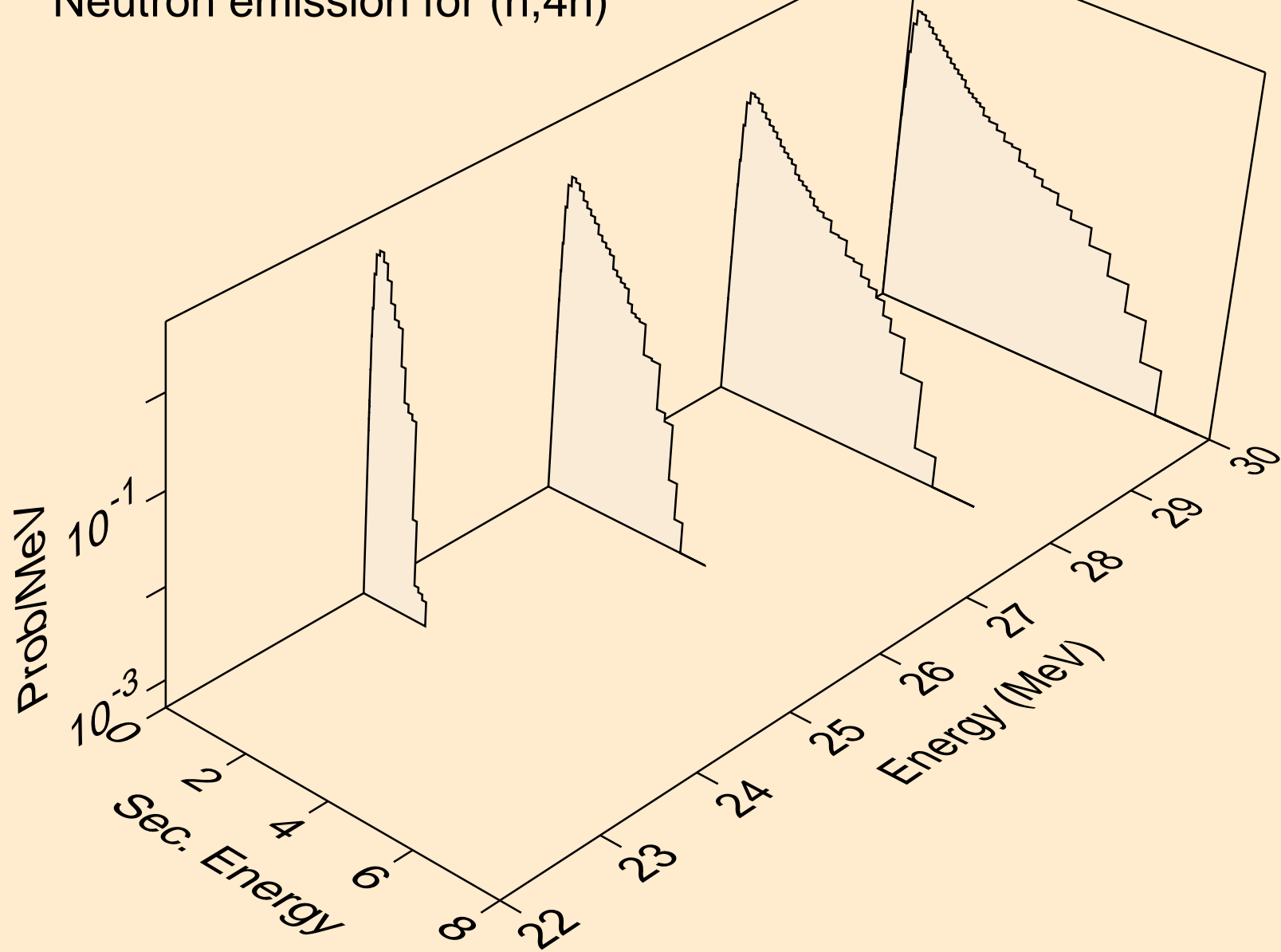
RF255 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)t



RF255 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)t2a

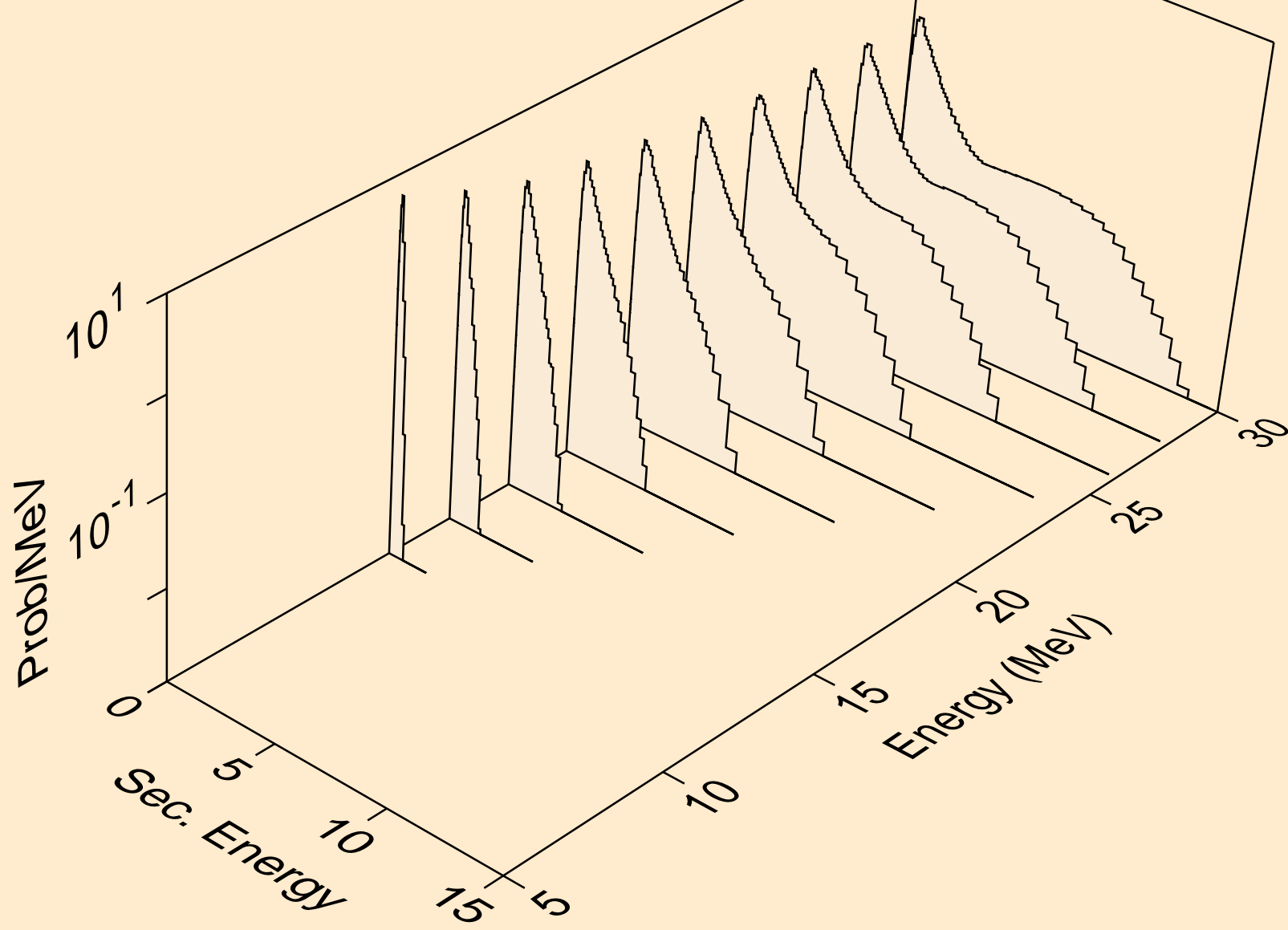


RF255 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,4n)

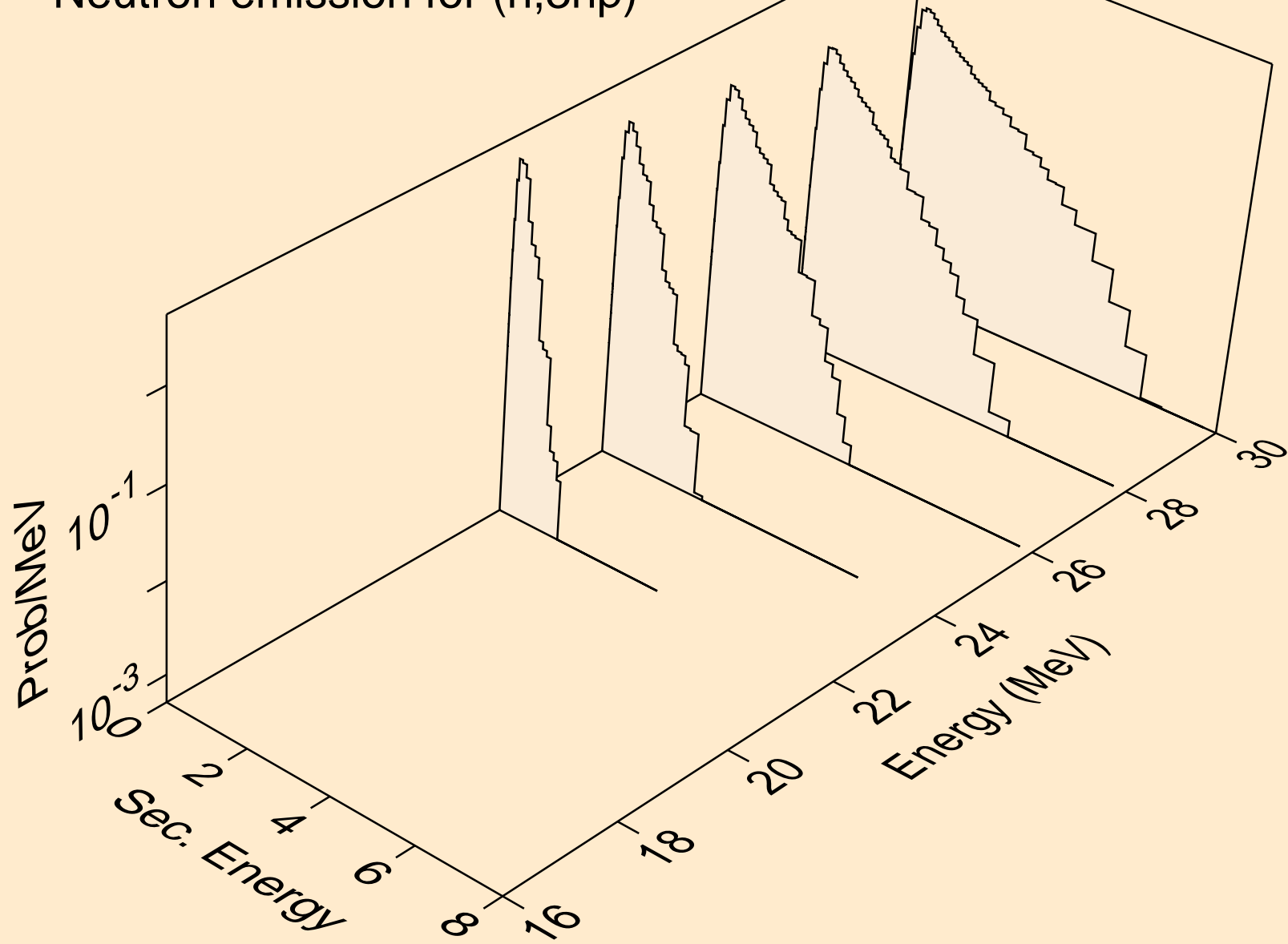




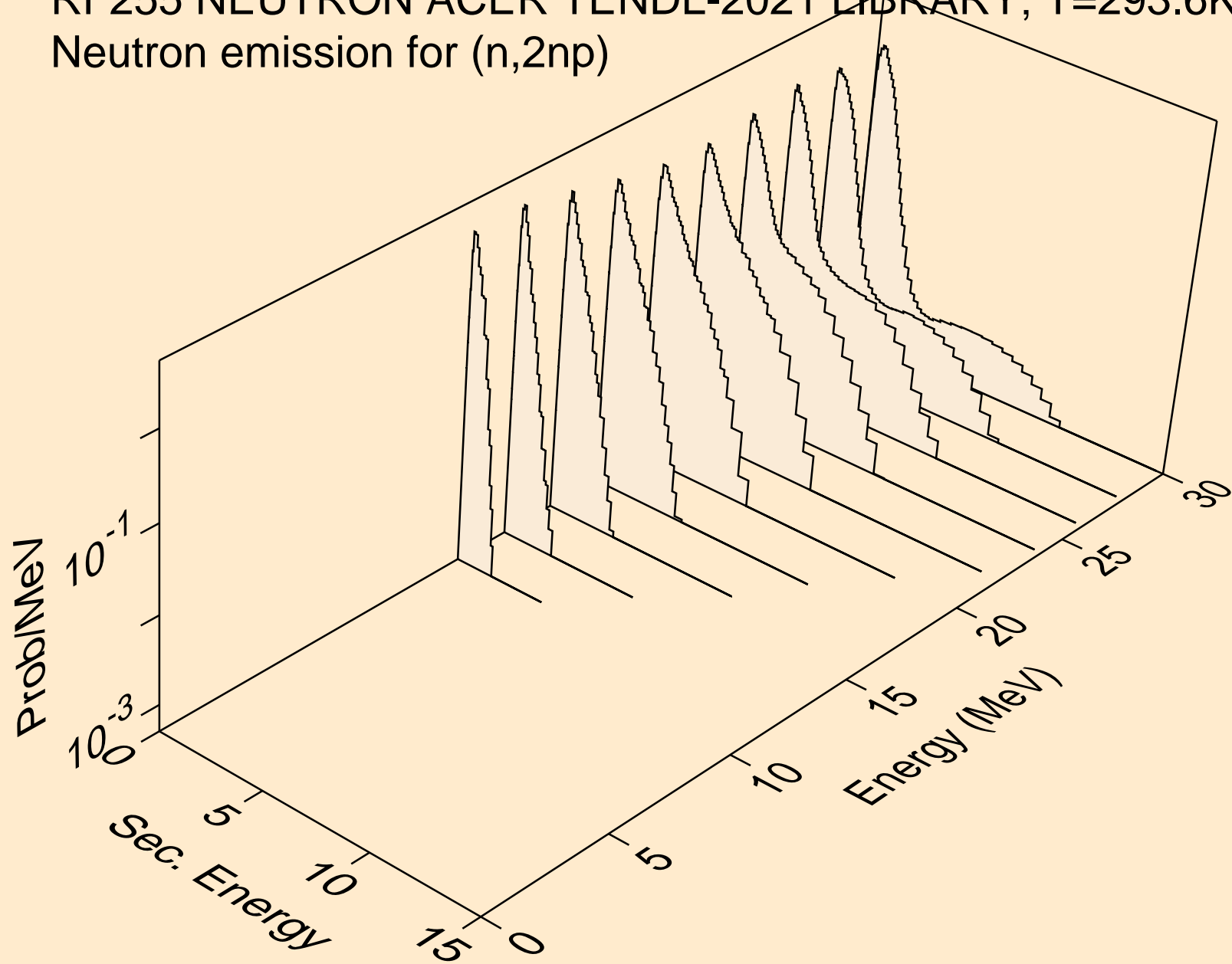
RF255 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2np)



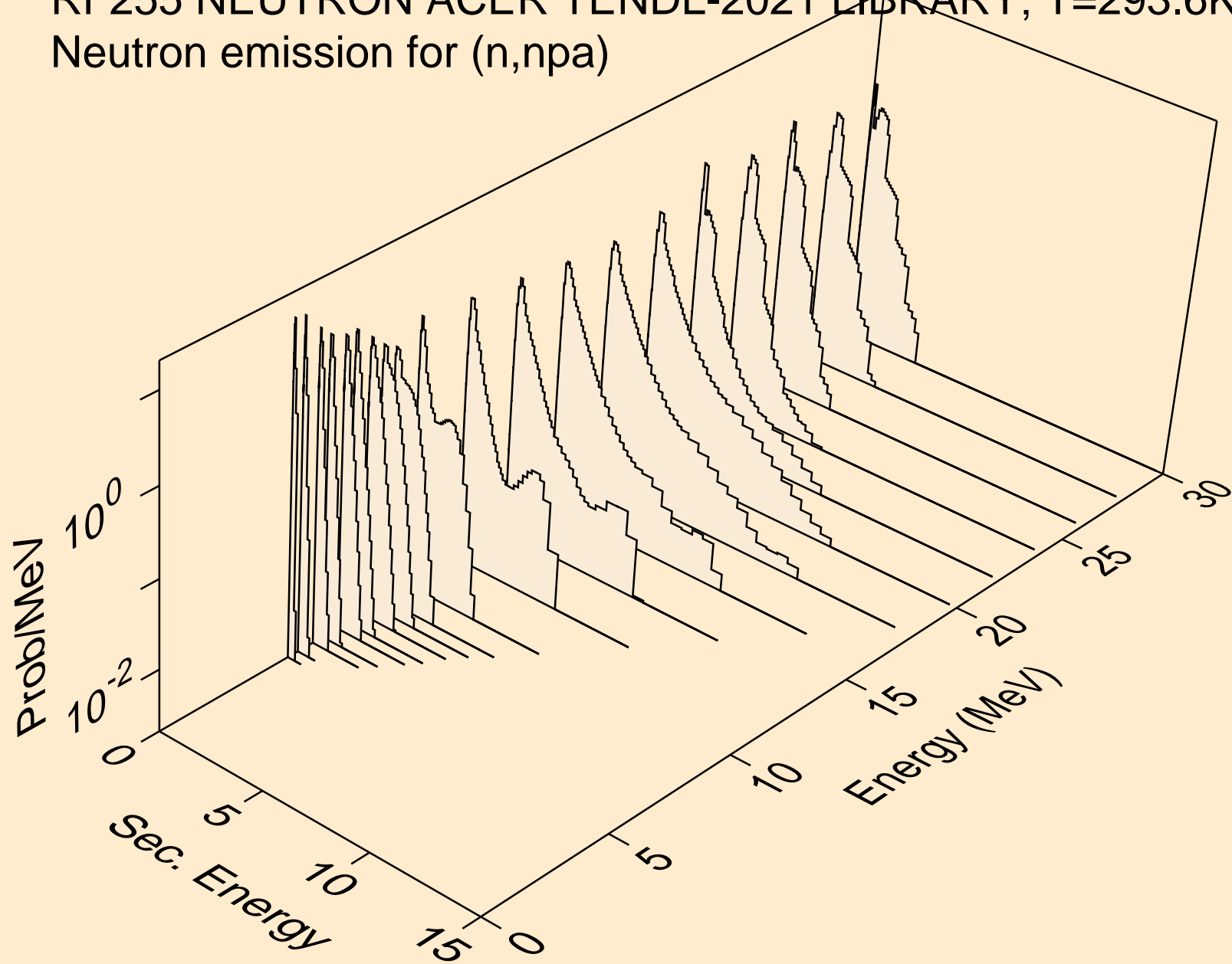
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Neutron emission for (n,3np)



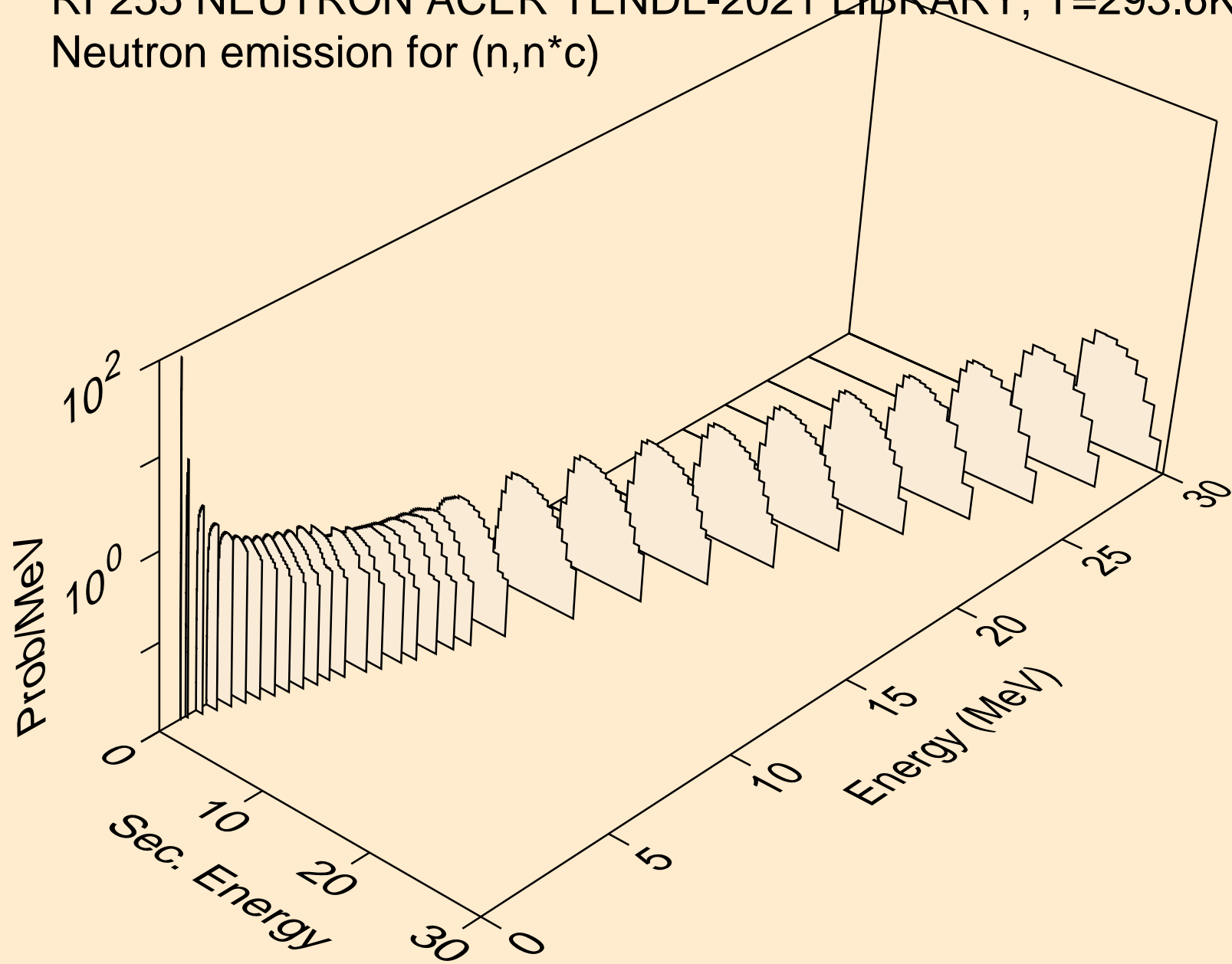
RF255 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2np)



RF255 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,npa)

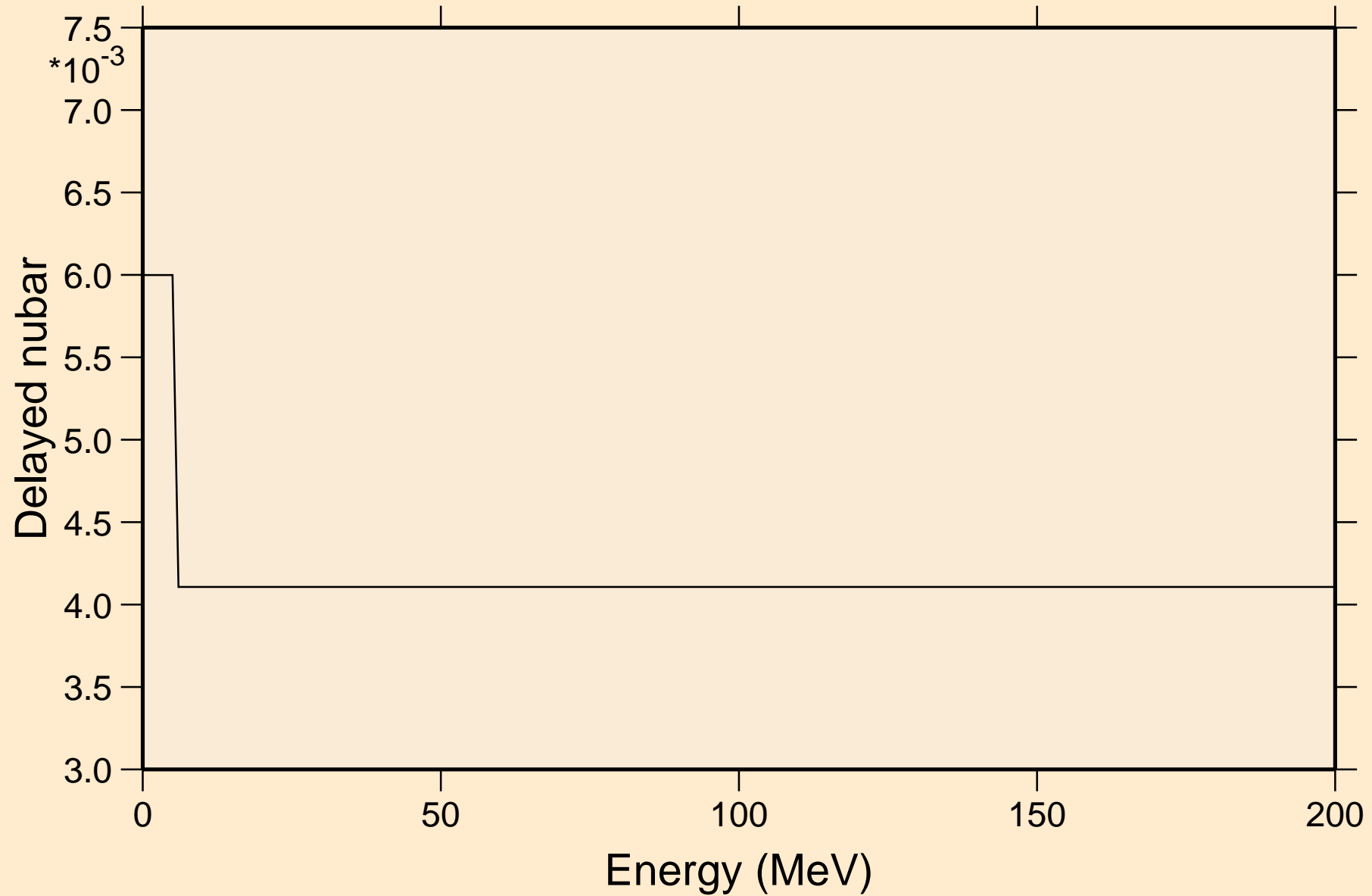


RF255 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*c)



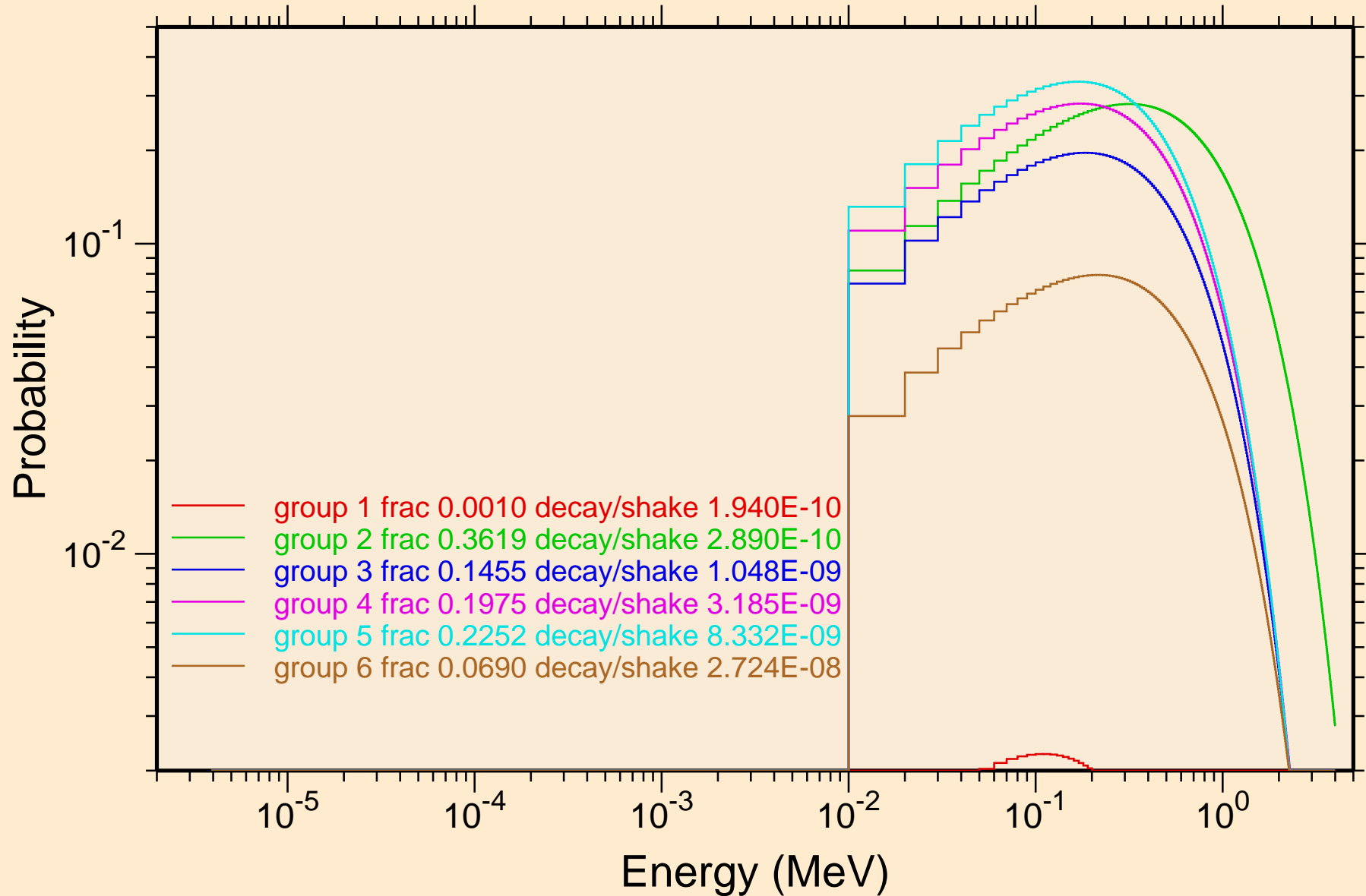
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Delayed nubar

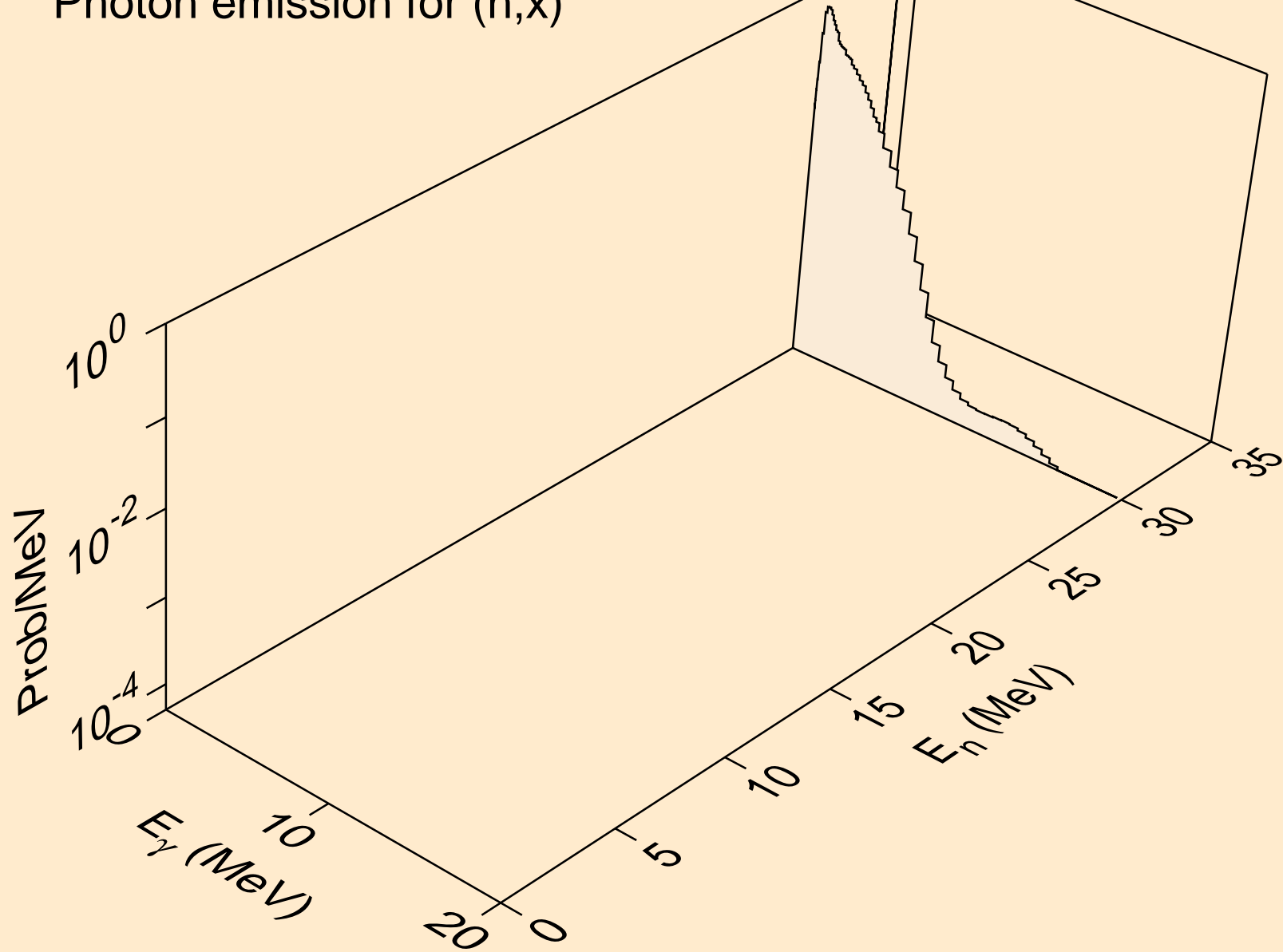


# RF255 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Delayed neutron spectra

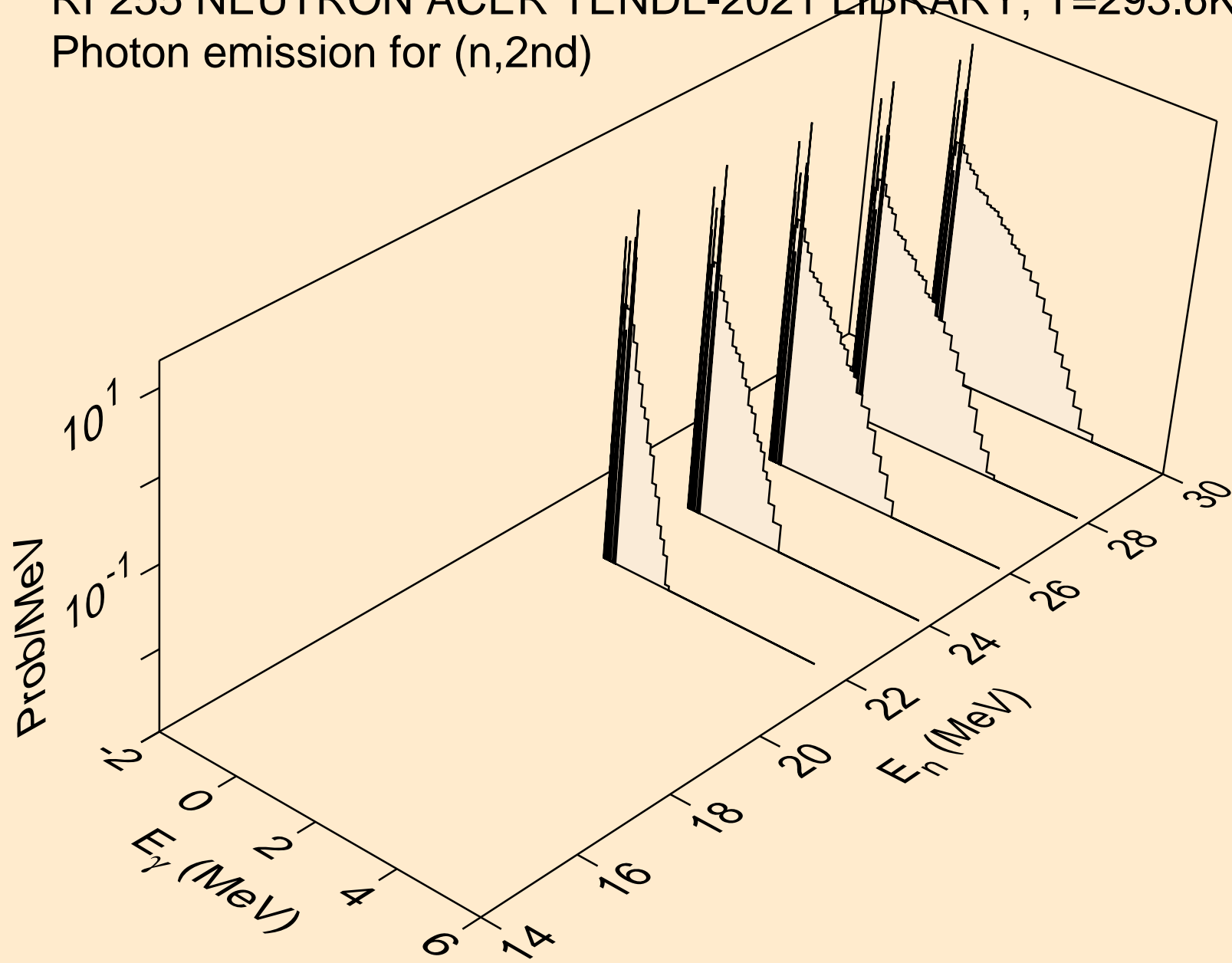


RF255 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,x)

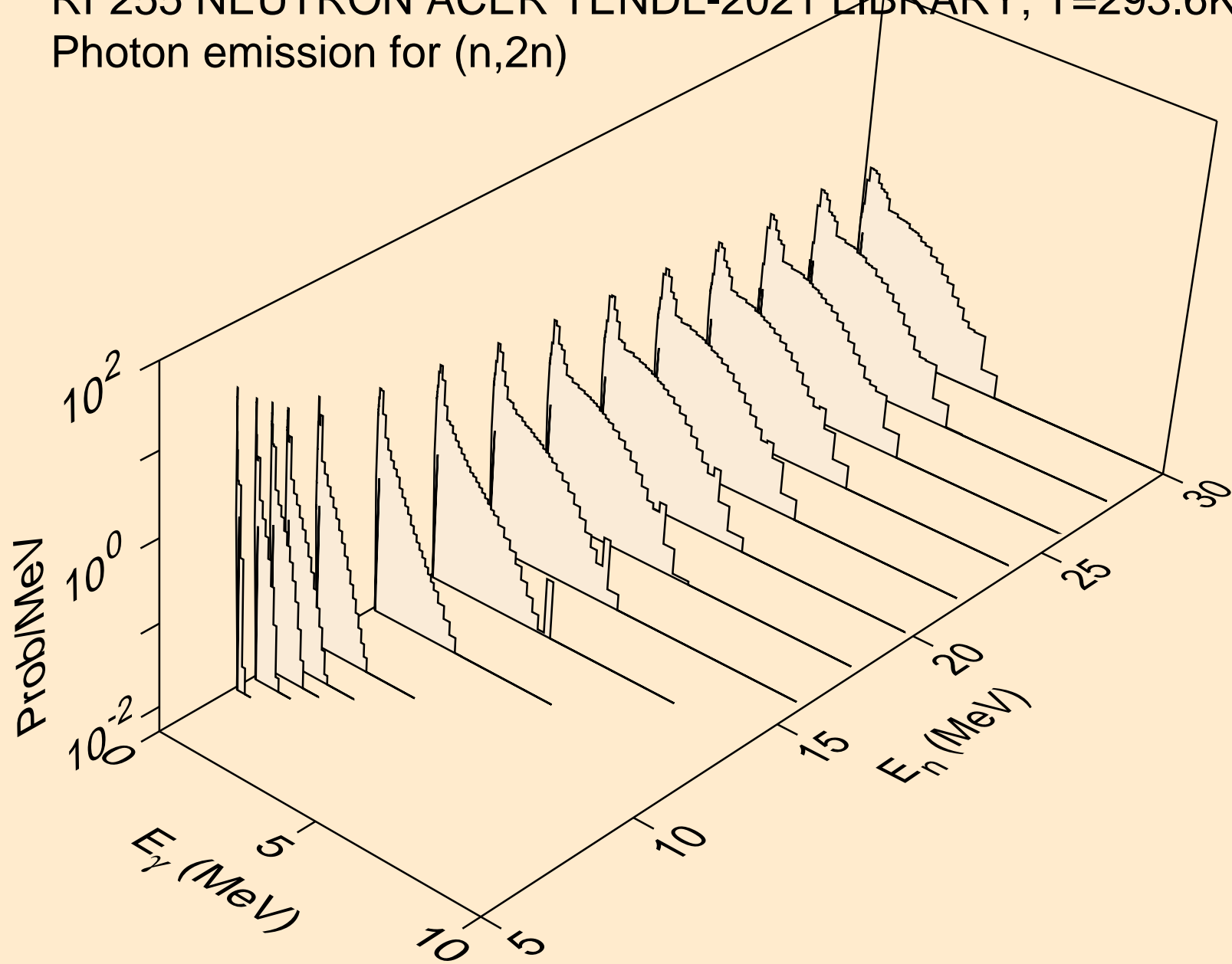




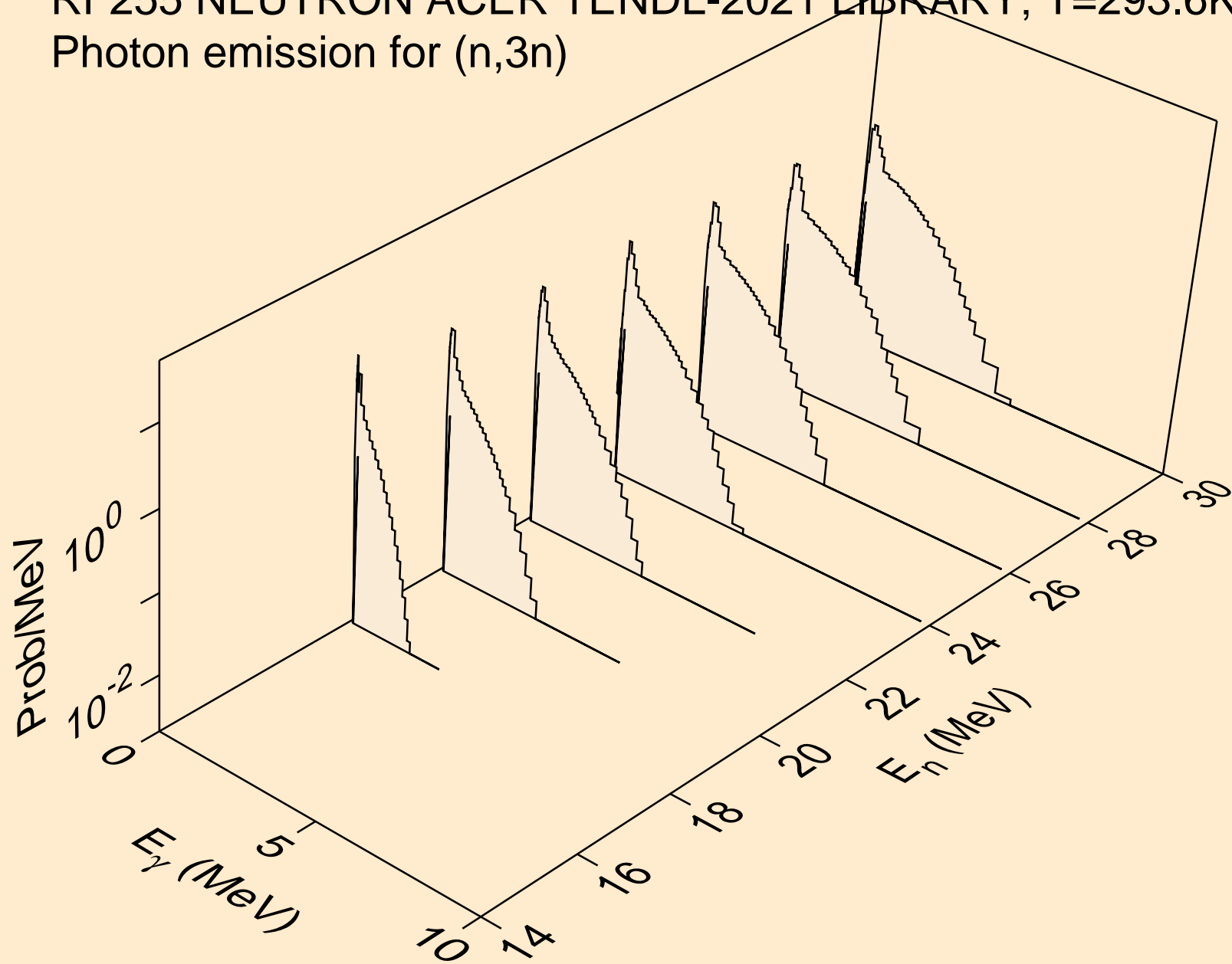
RF255 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2nd)



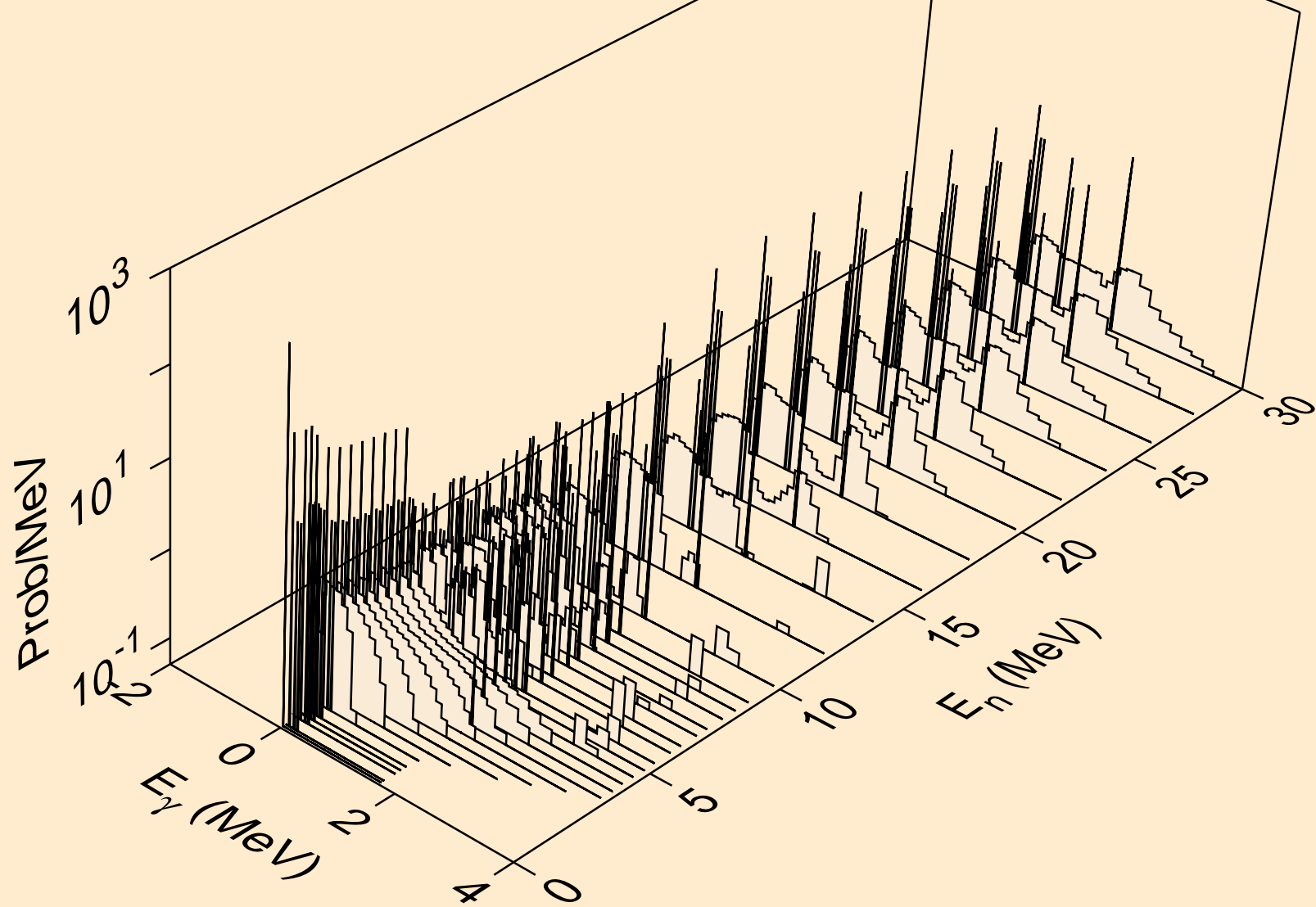
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Photon emission for (n,2n)



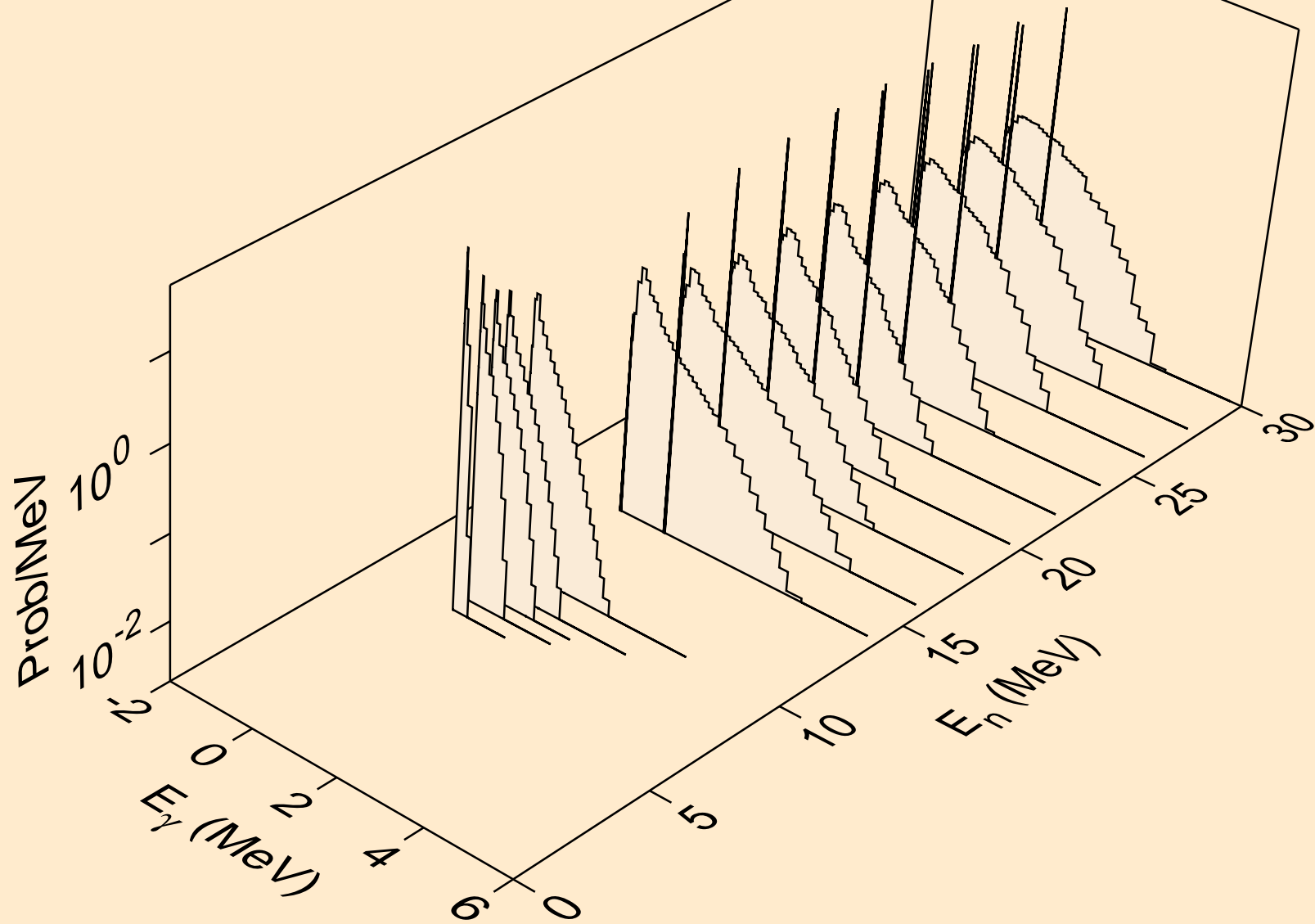
RF255 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3n)



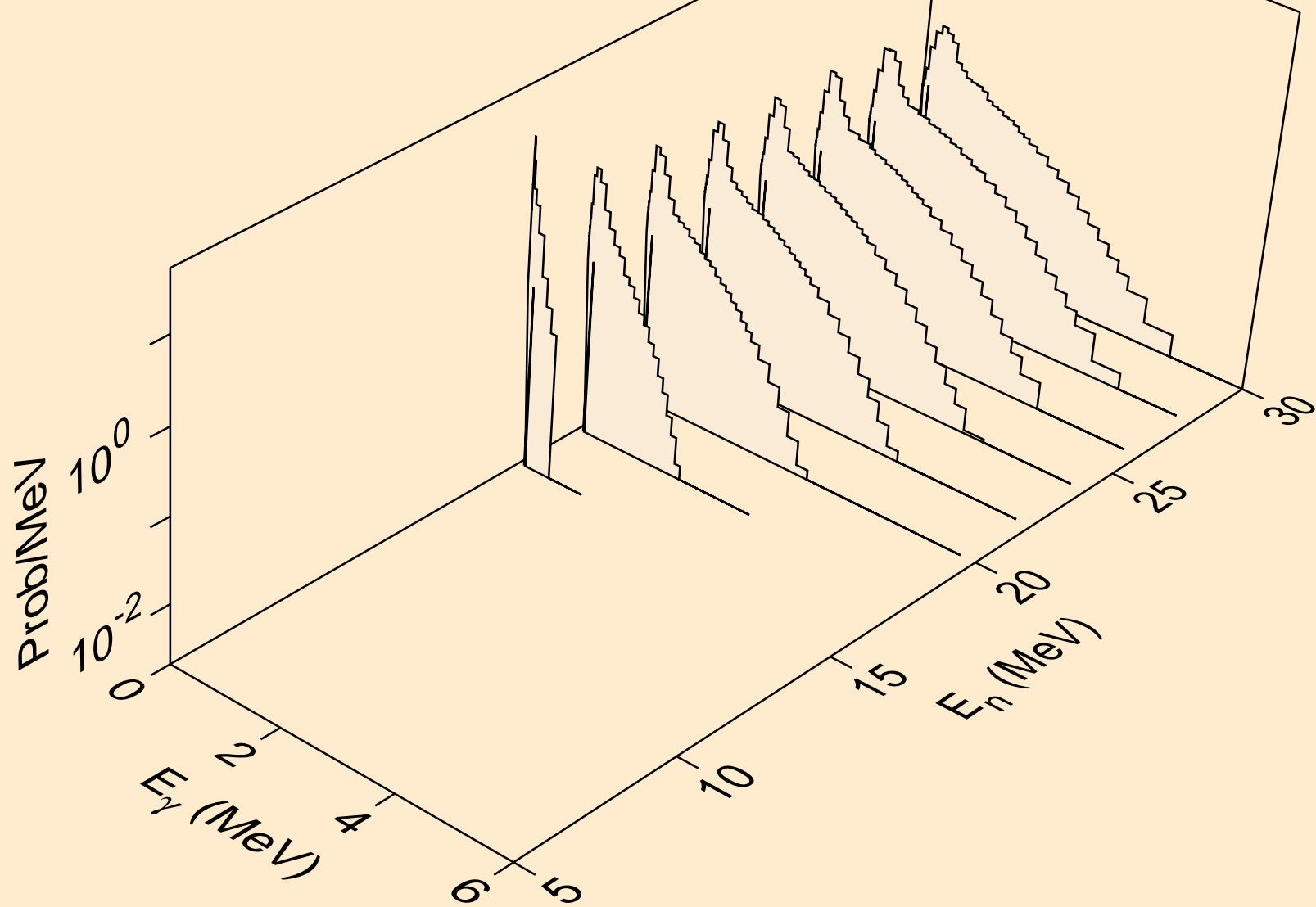
RF255 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)a



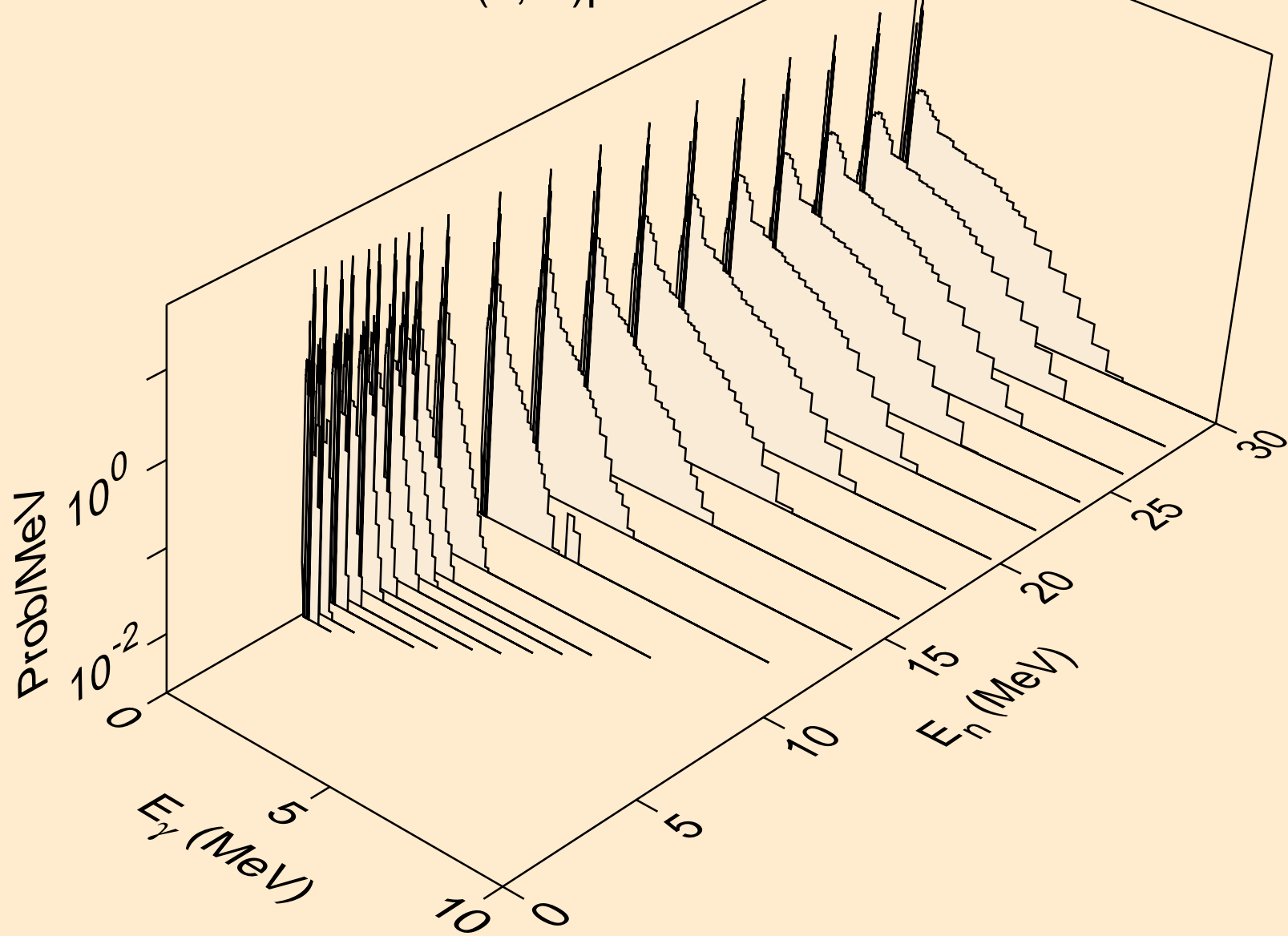
RF255 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2n)a



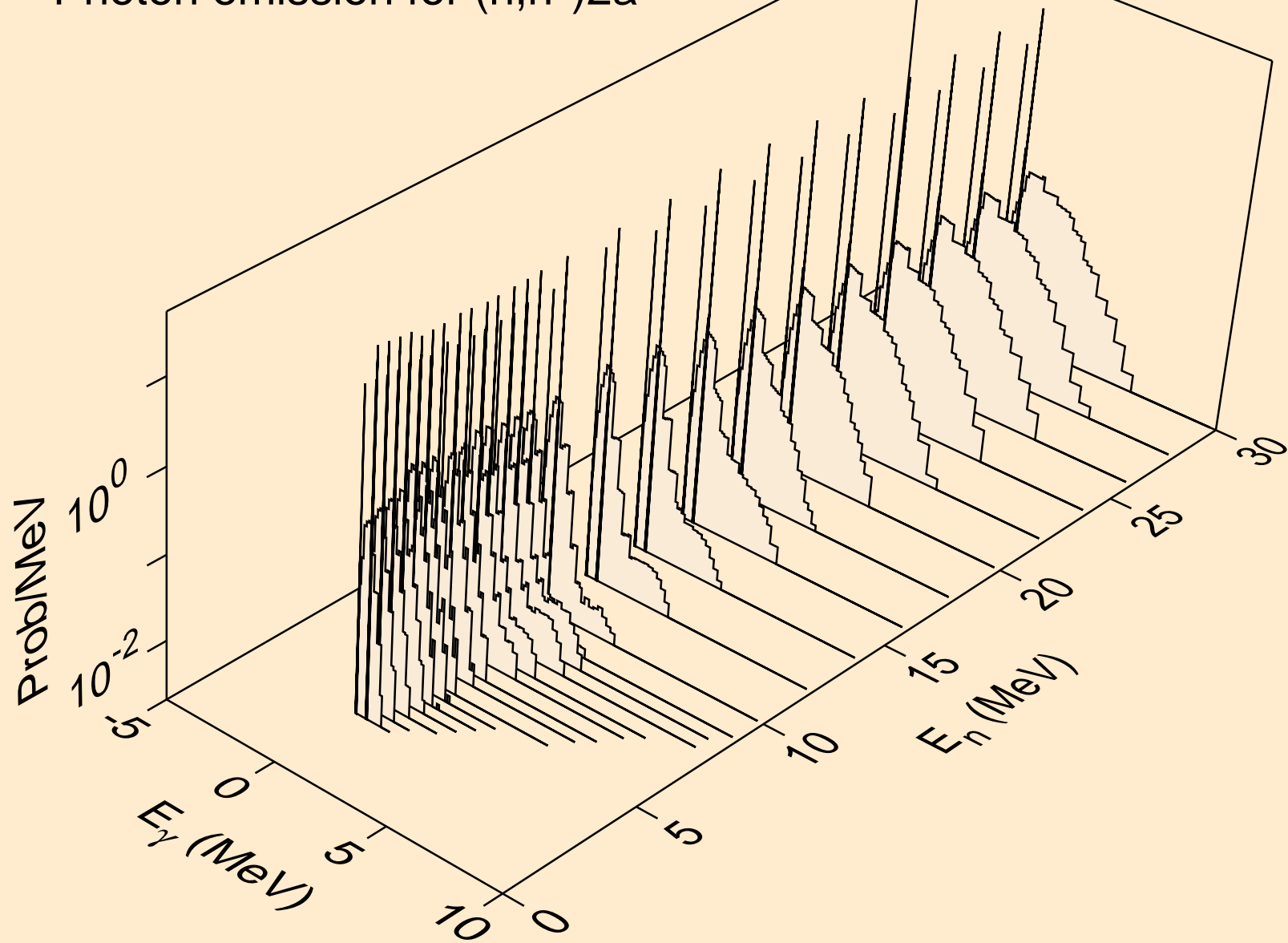
RF255 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3n)a



RF255 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)p

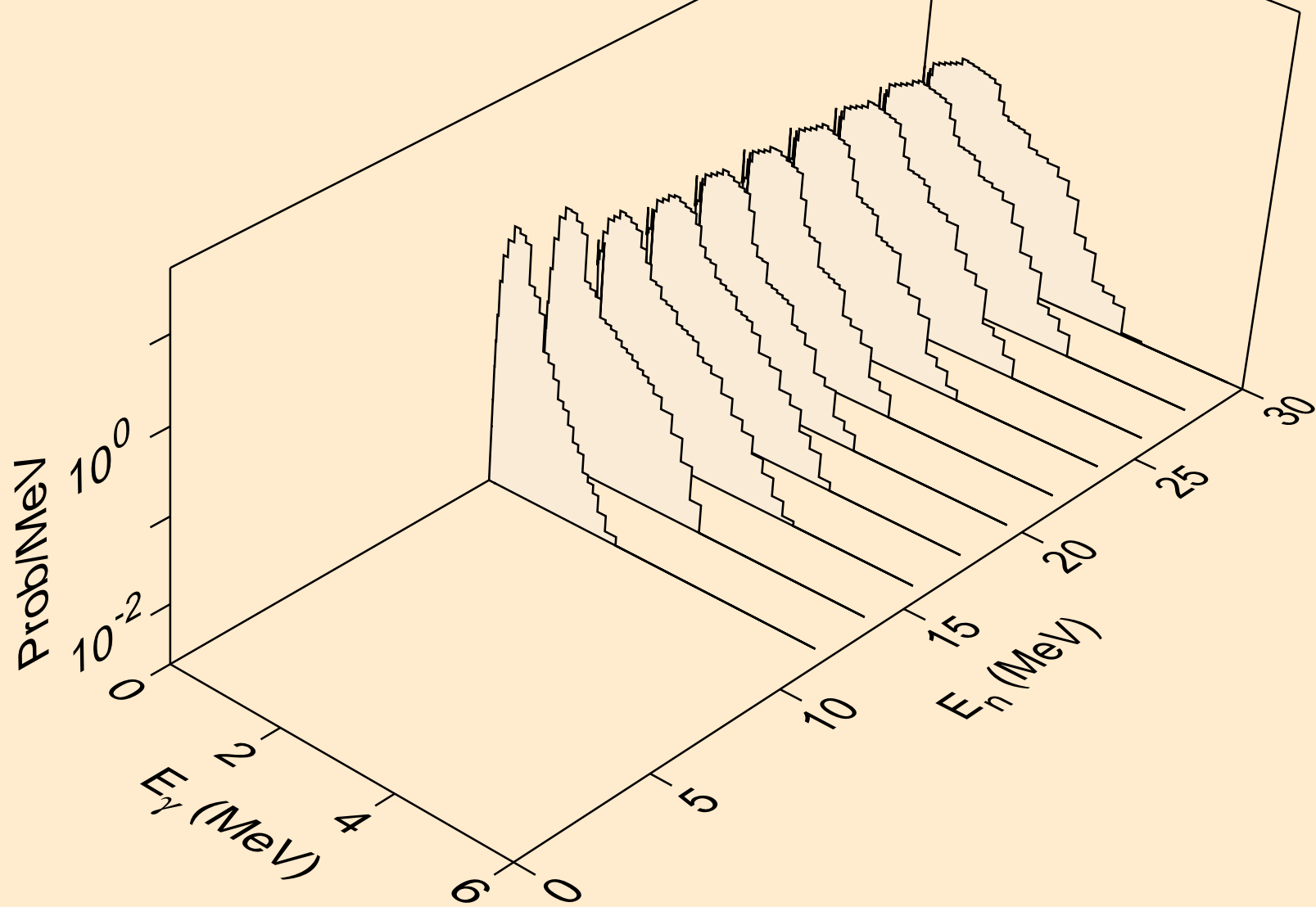


RF255 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)2a

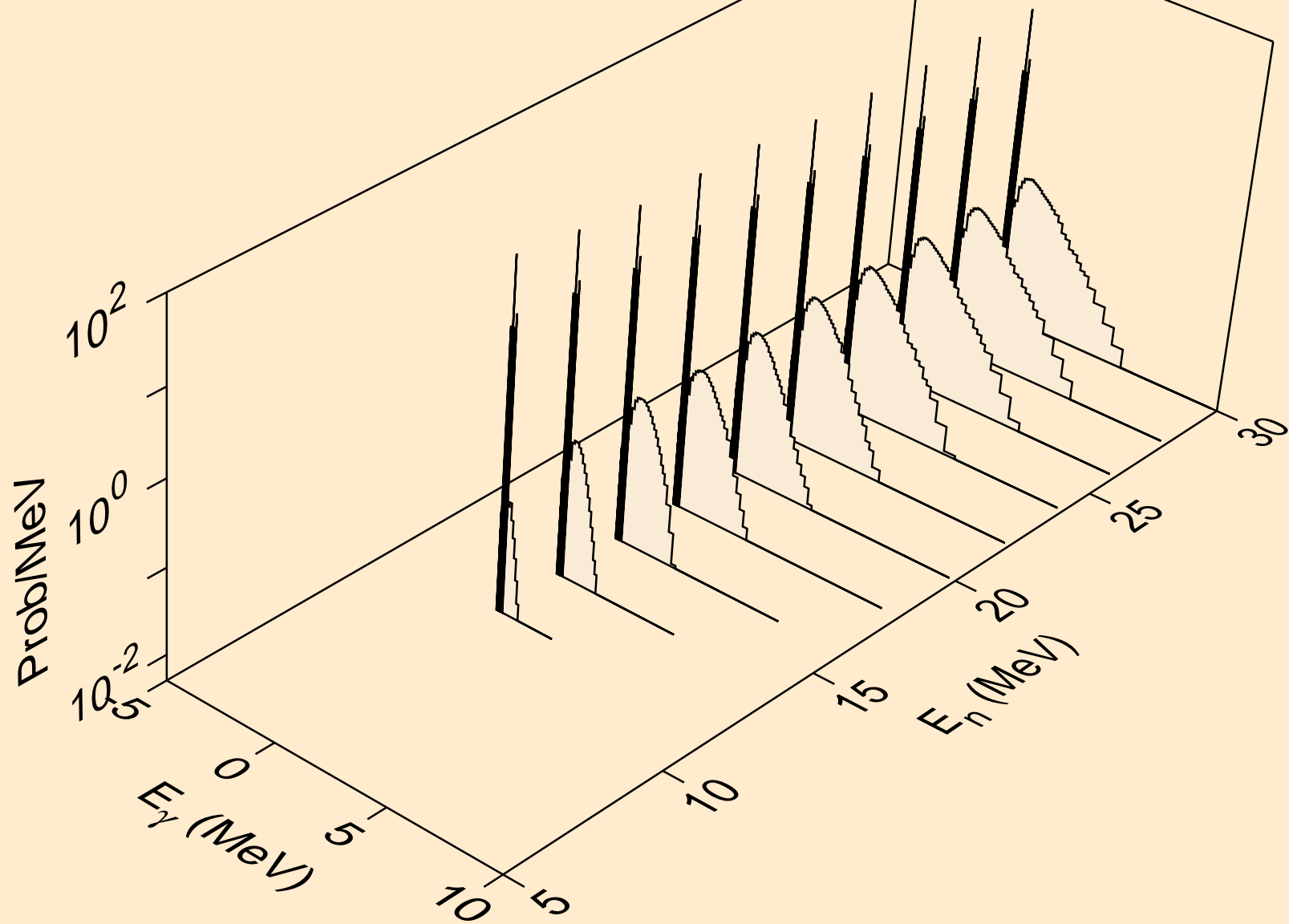




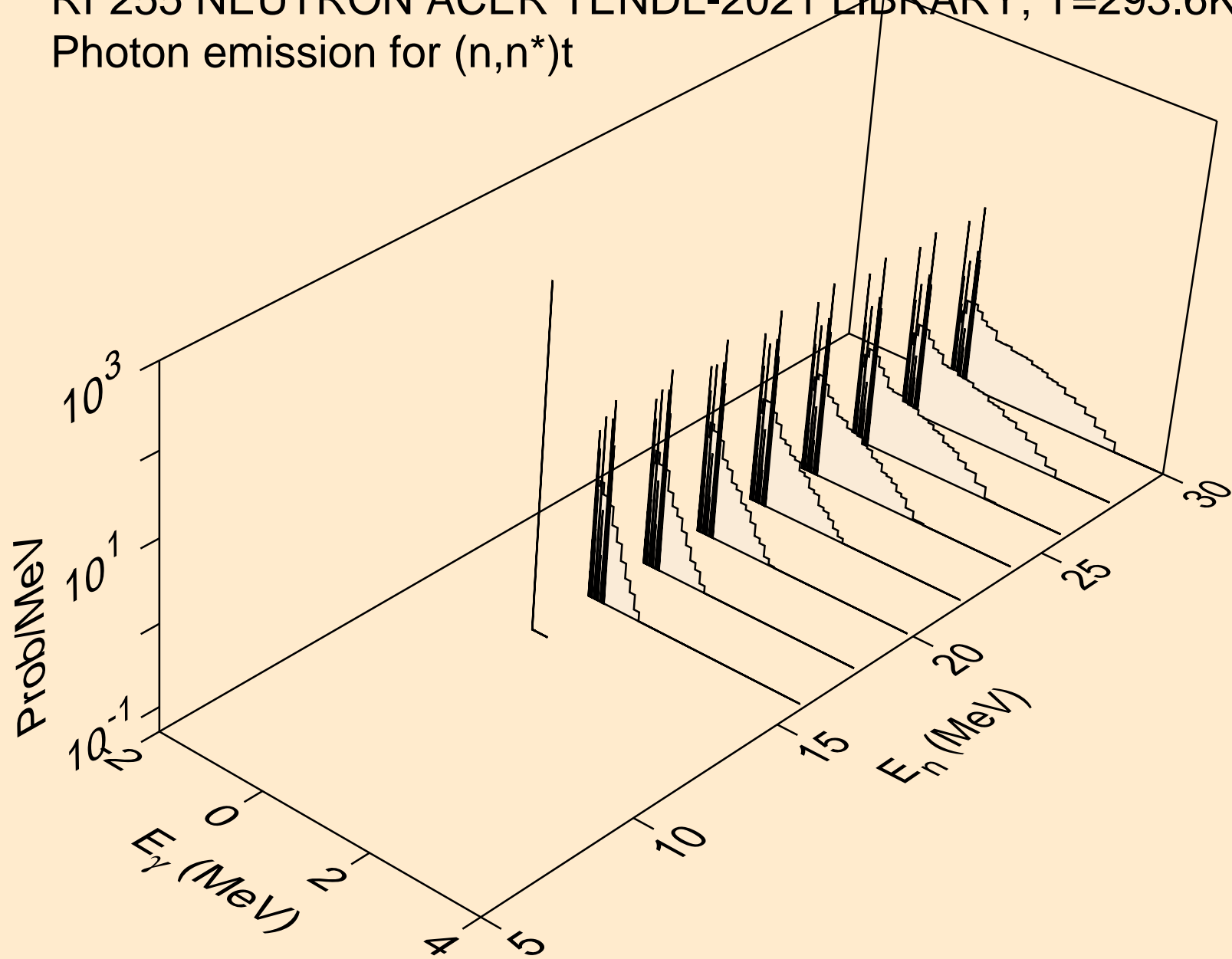
RF255 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2n)2a



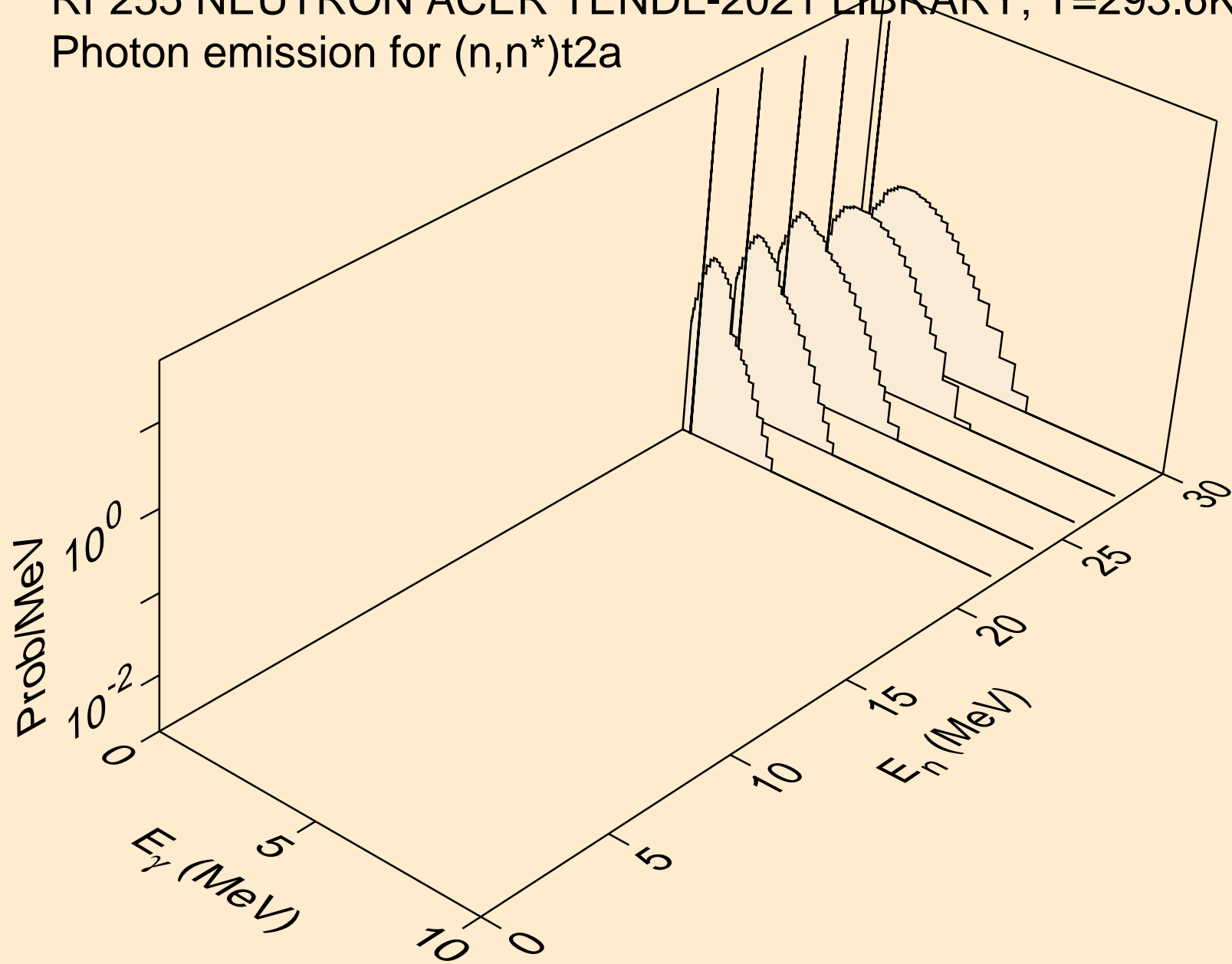
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Photon emission for (n,n\*)d



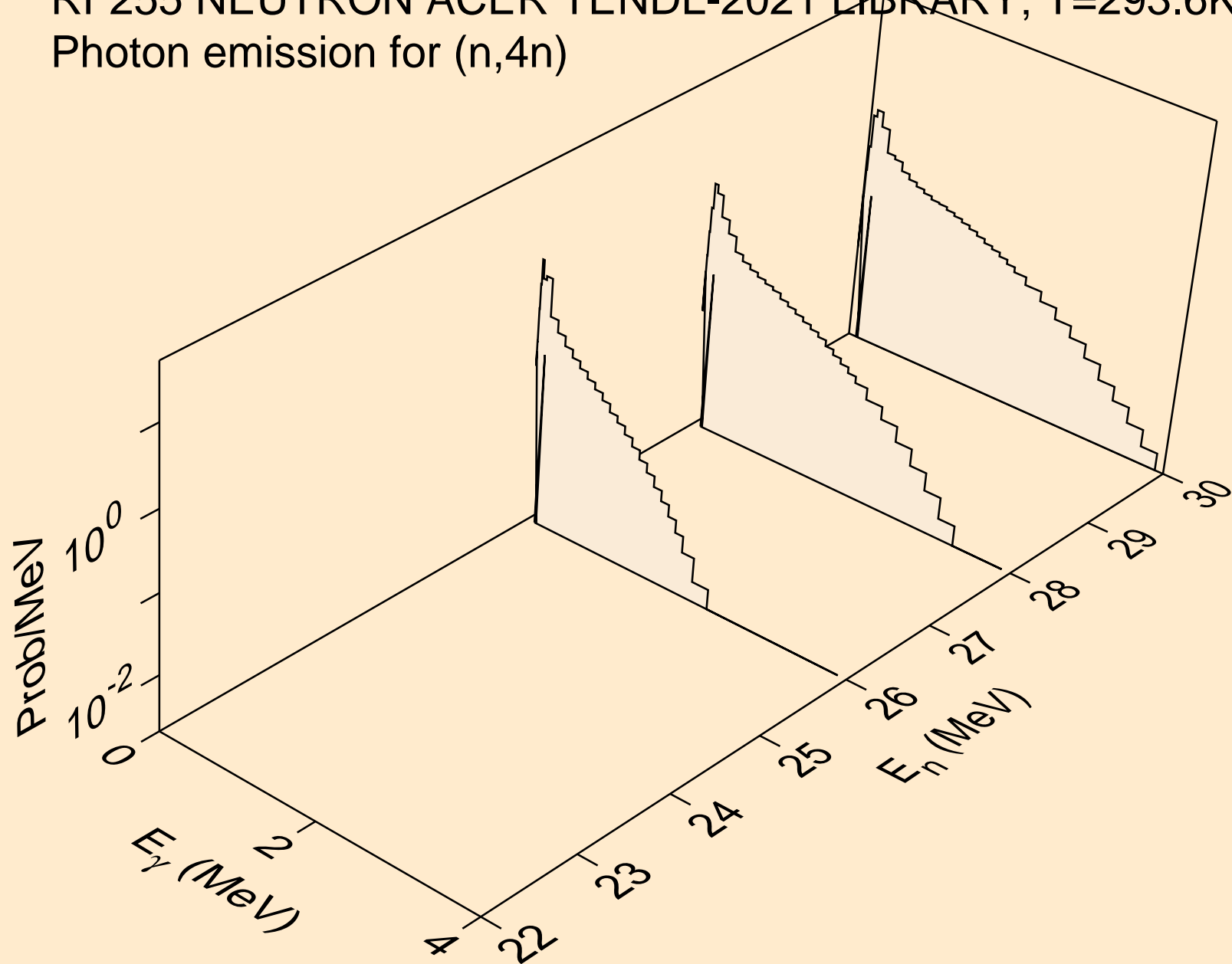
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Photon emission for (n,n\*)t



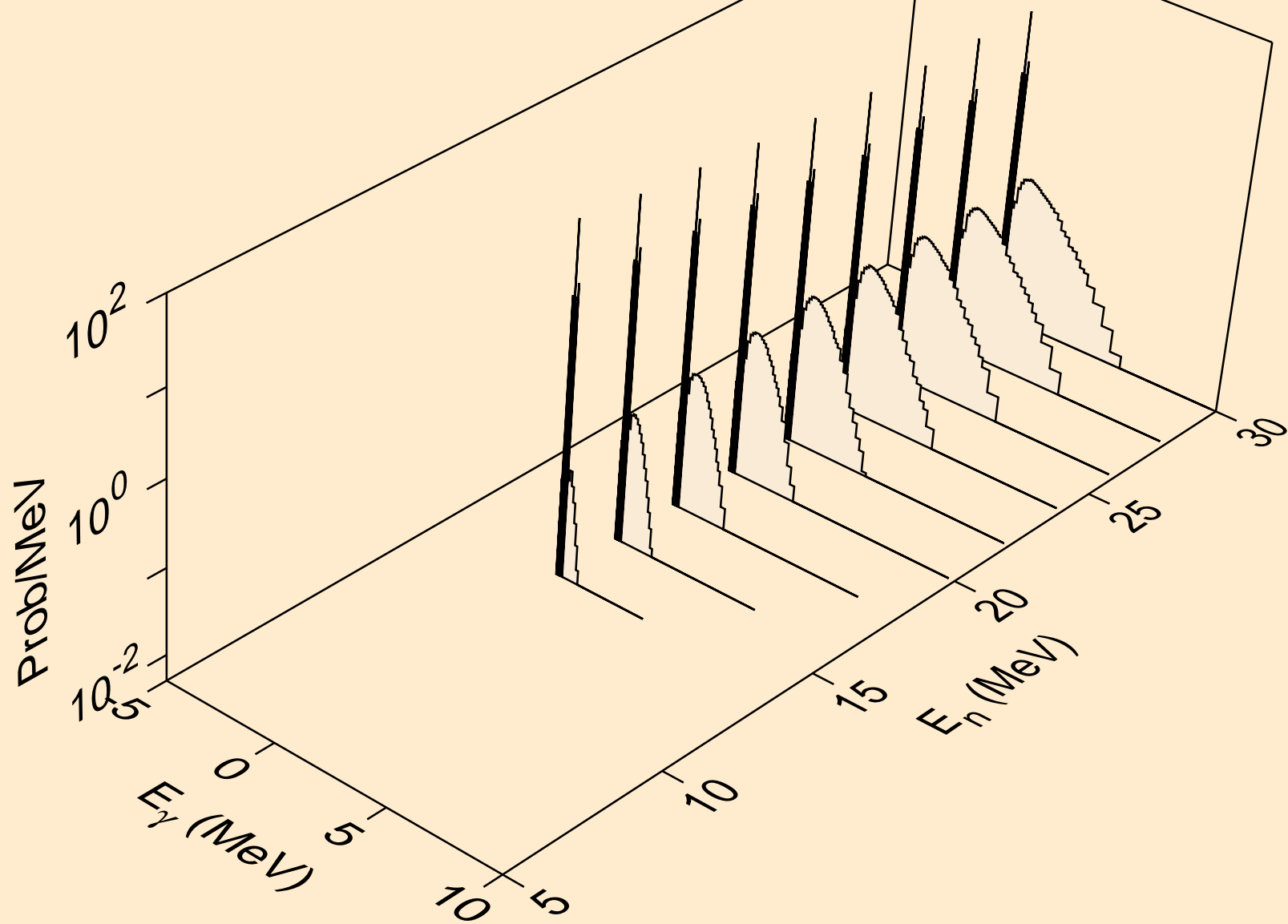
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Photon emission for (n,n\*)t2a



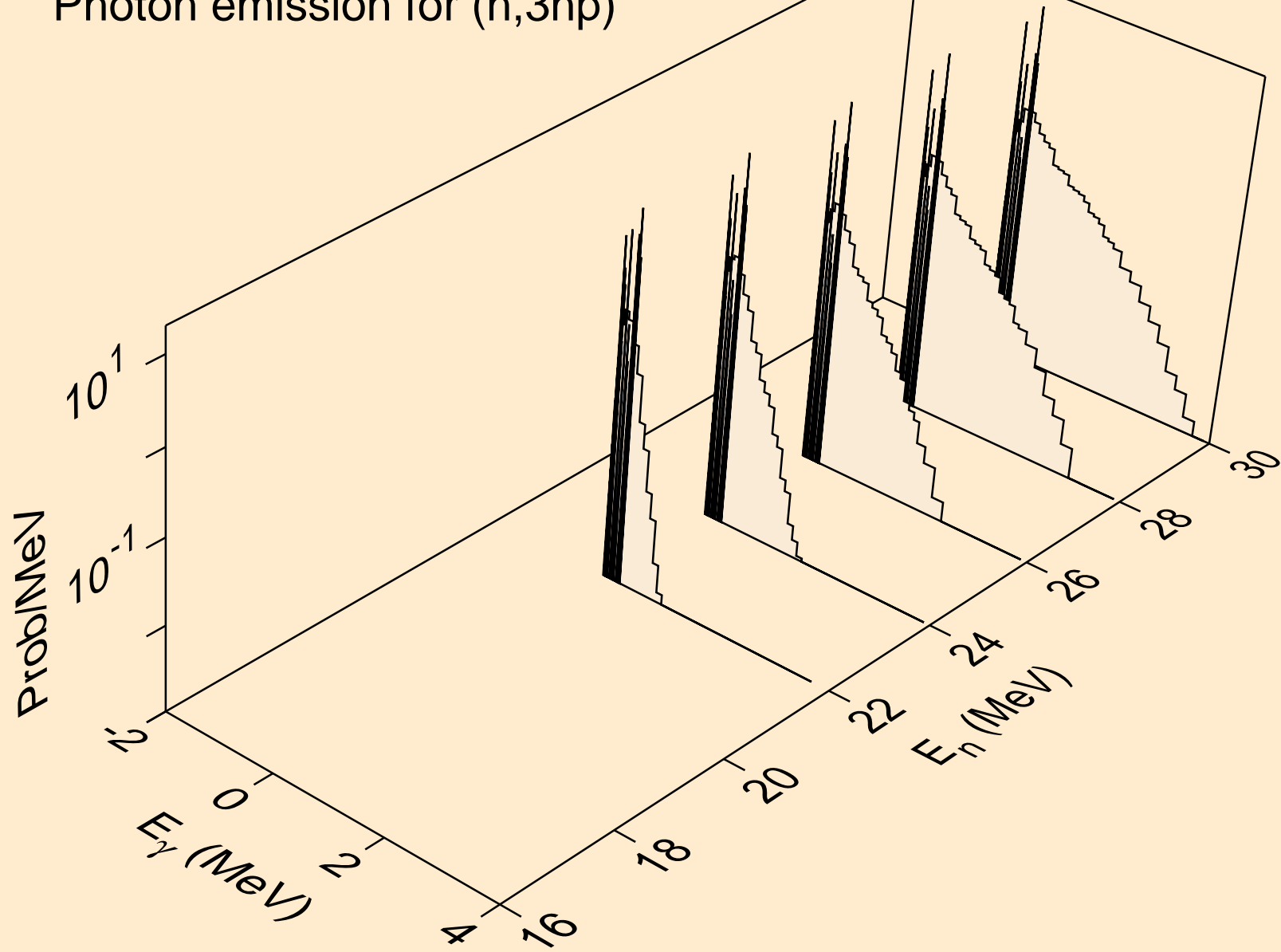
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Photon emission for (n,4n)



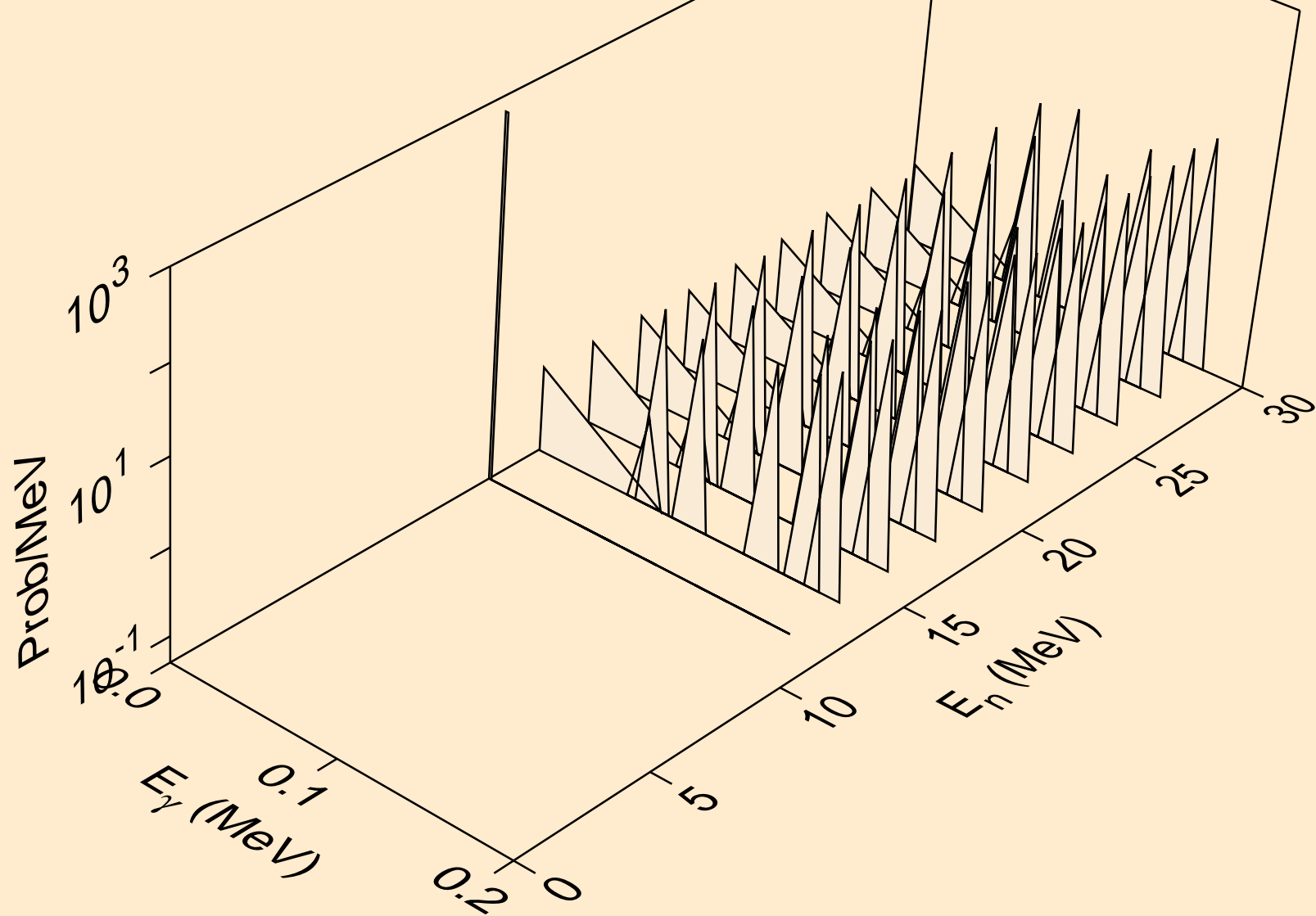
RF255 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2np)



RF255 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3np)

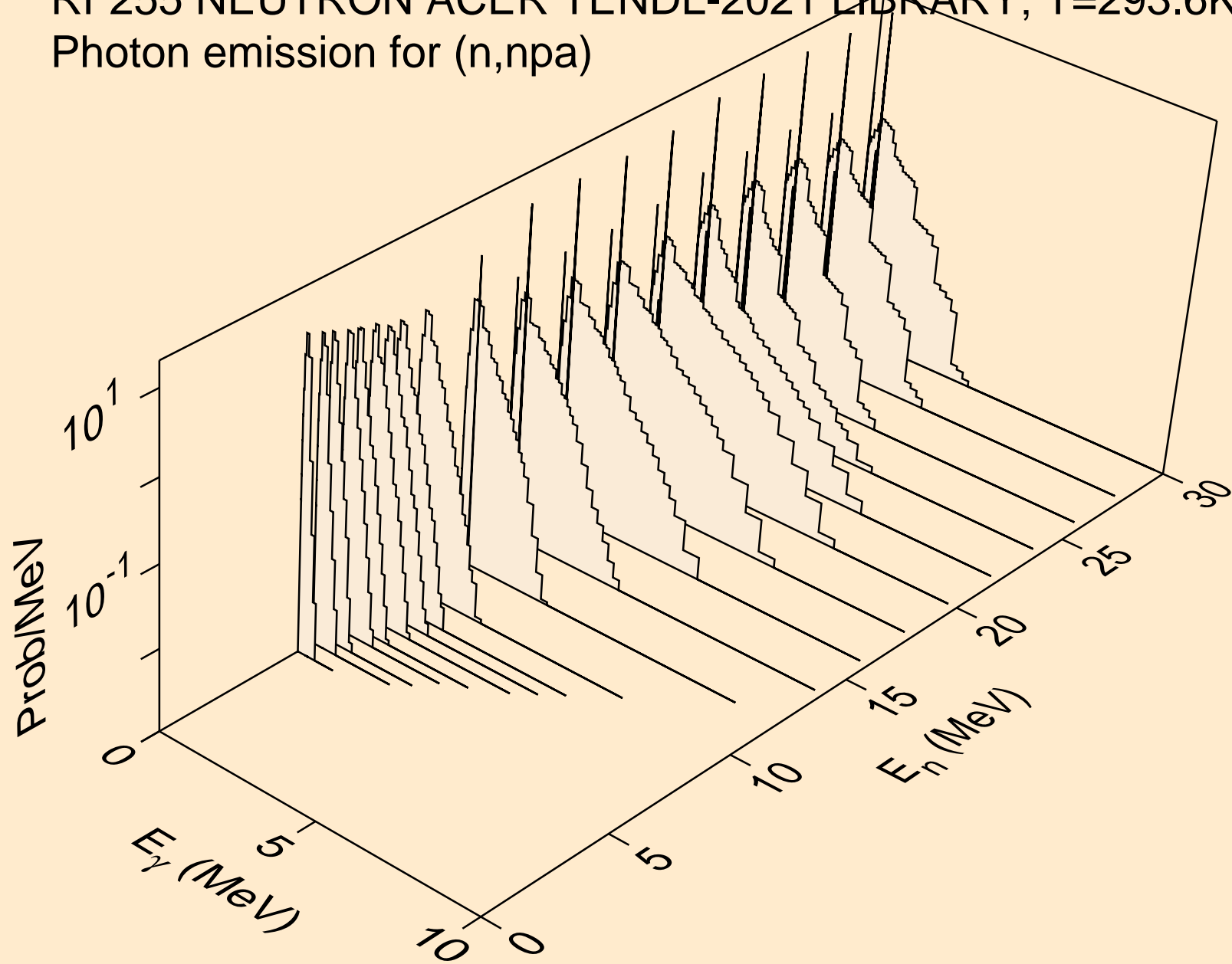


RF255 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2np)

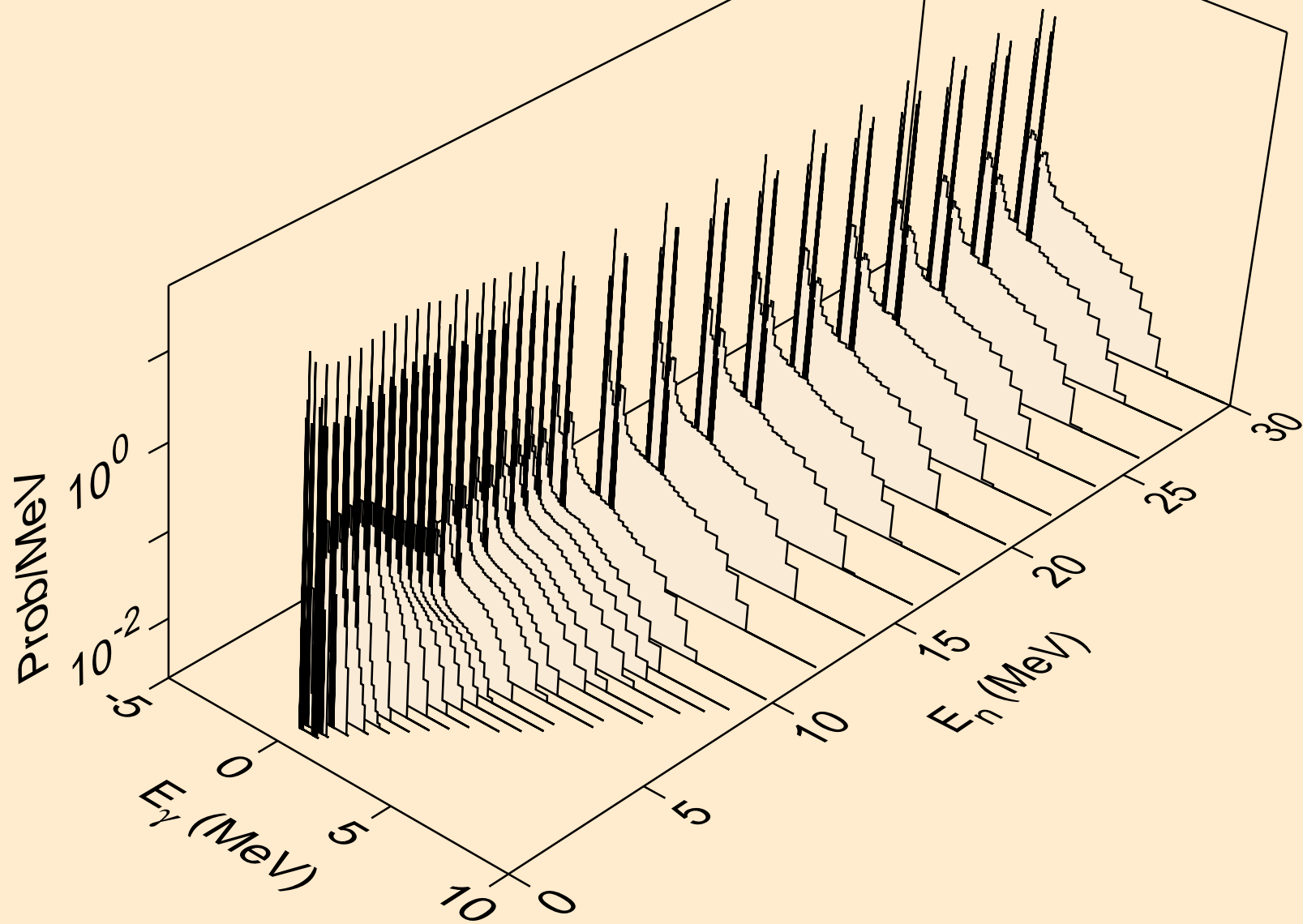




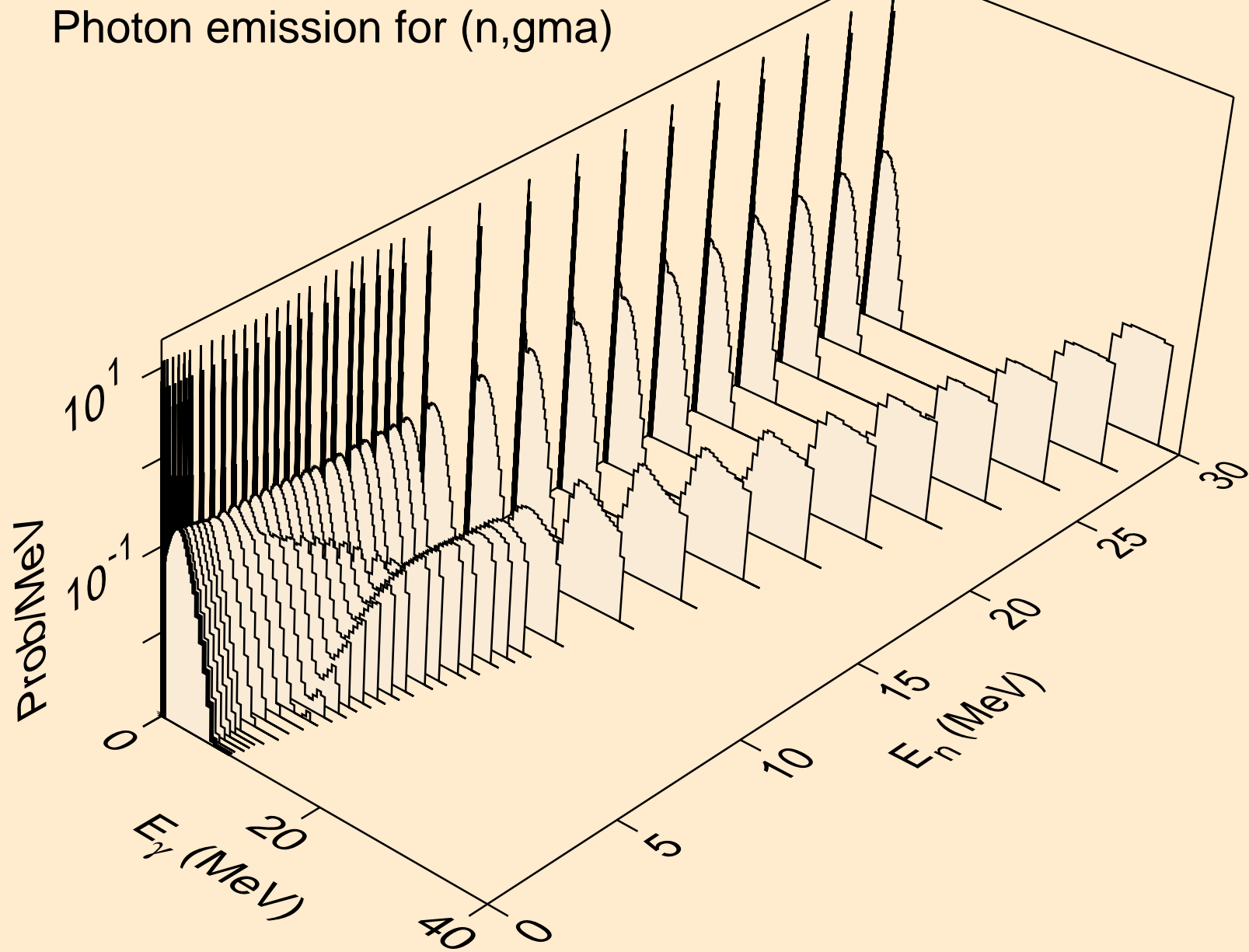
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Photon emission for (n,npa)



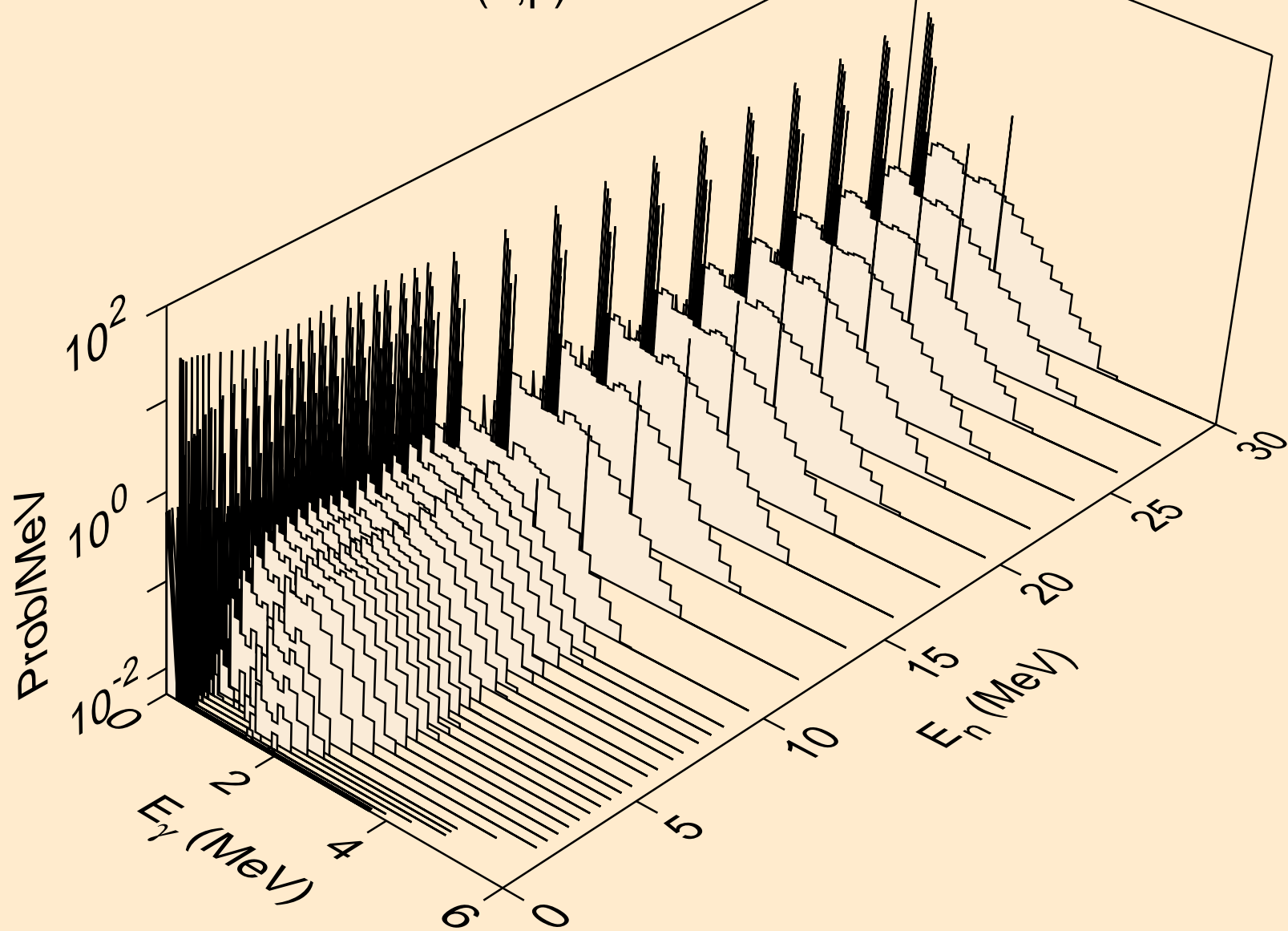
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Photon emission for (n,n\*c)



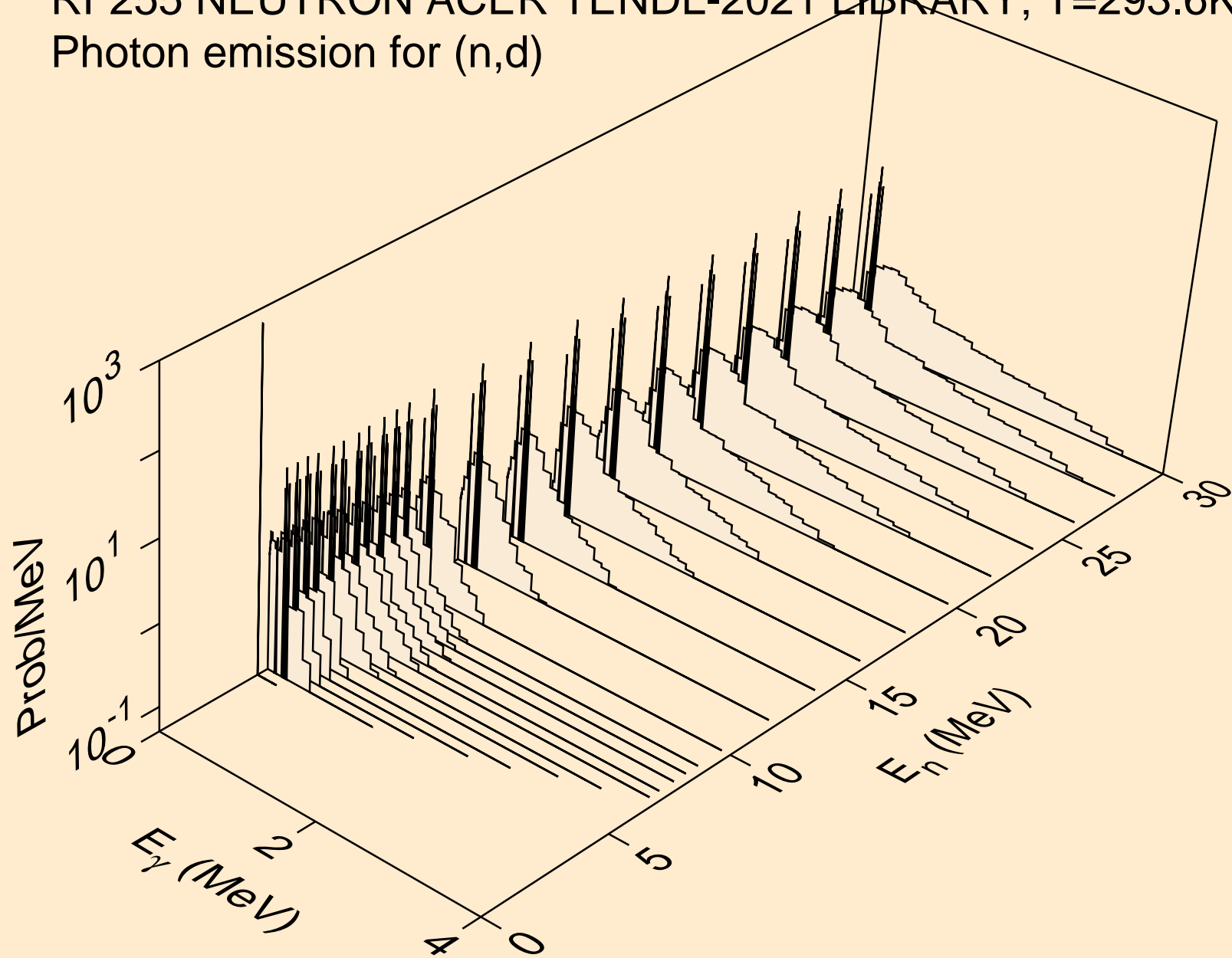
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Photon emission for (n,gma)



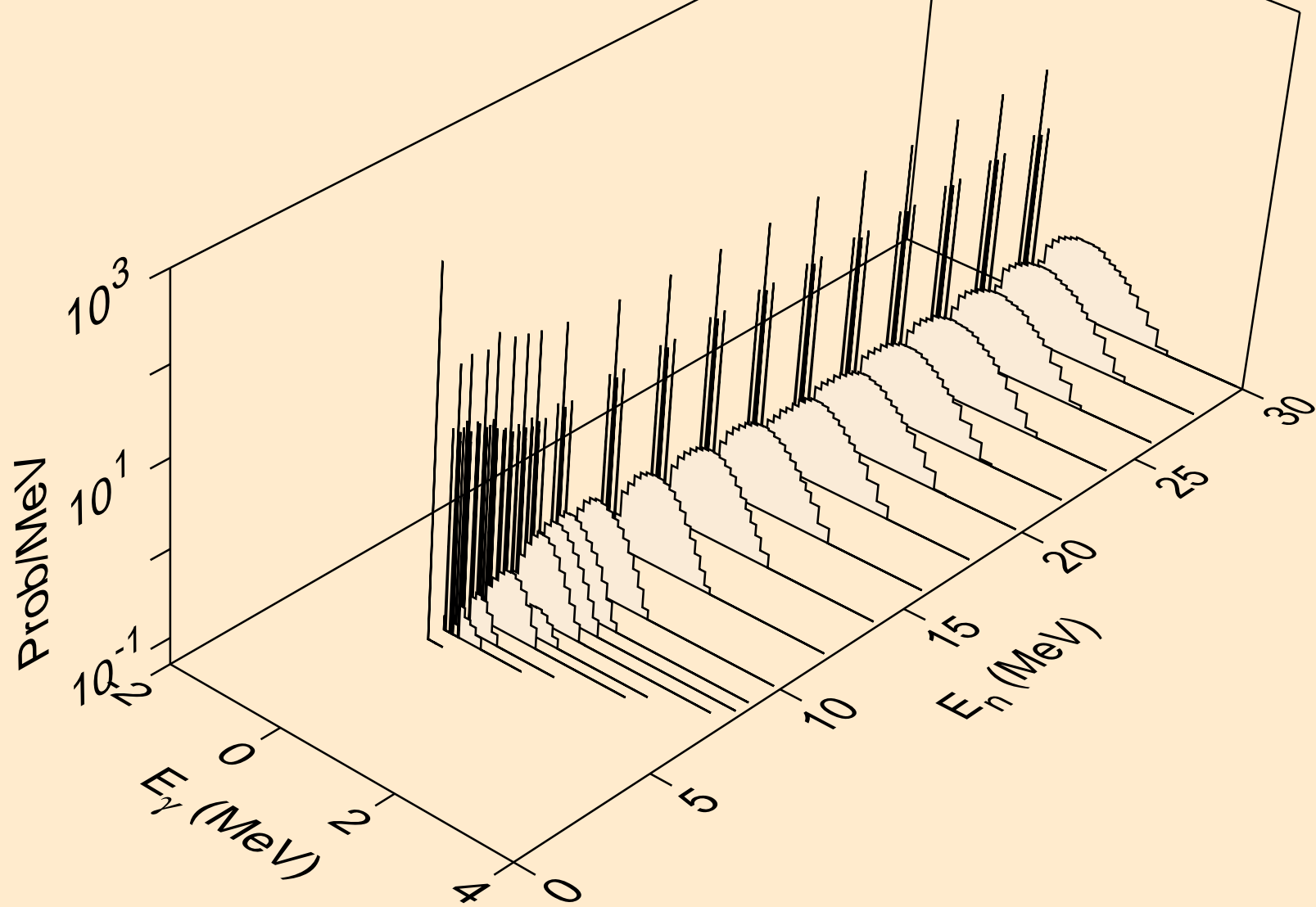
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Photon emission for (n,p)



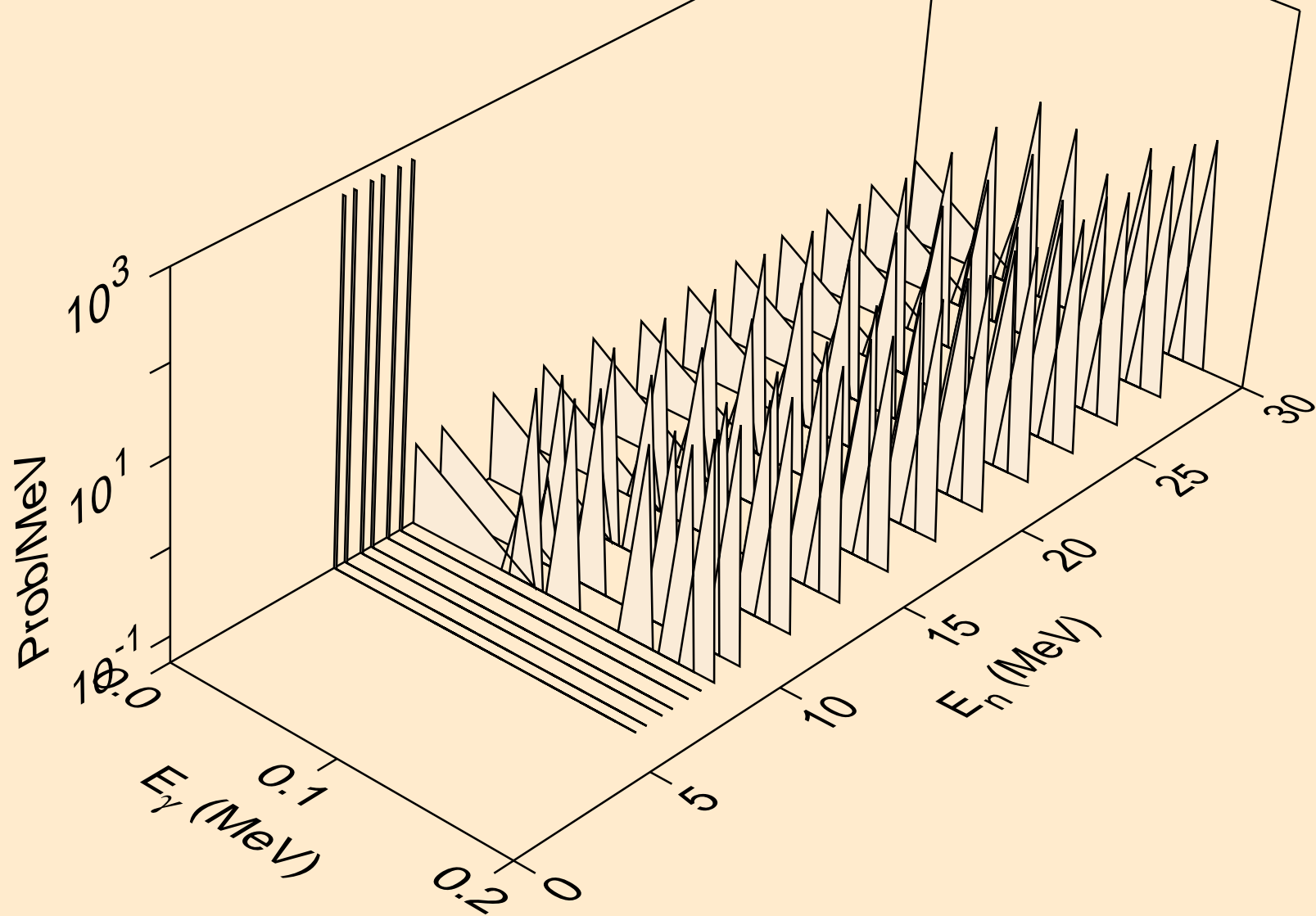
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Photon emission for (n,d)



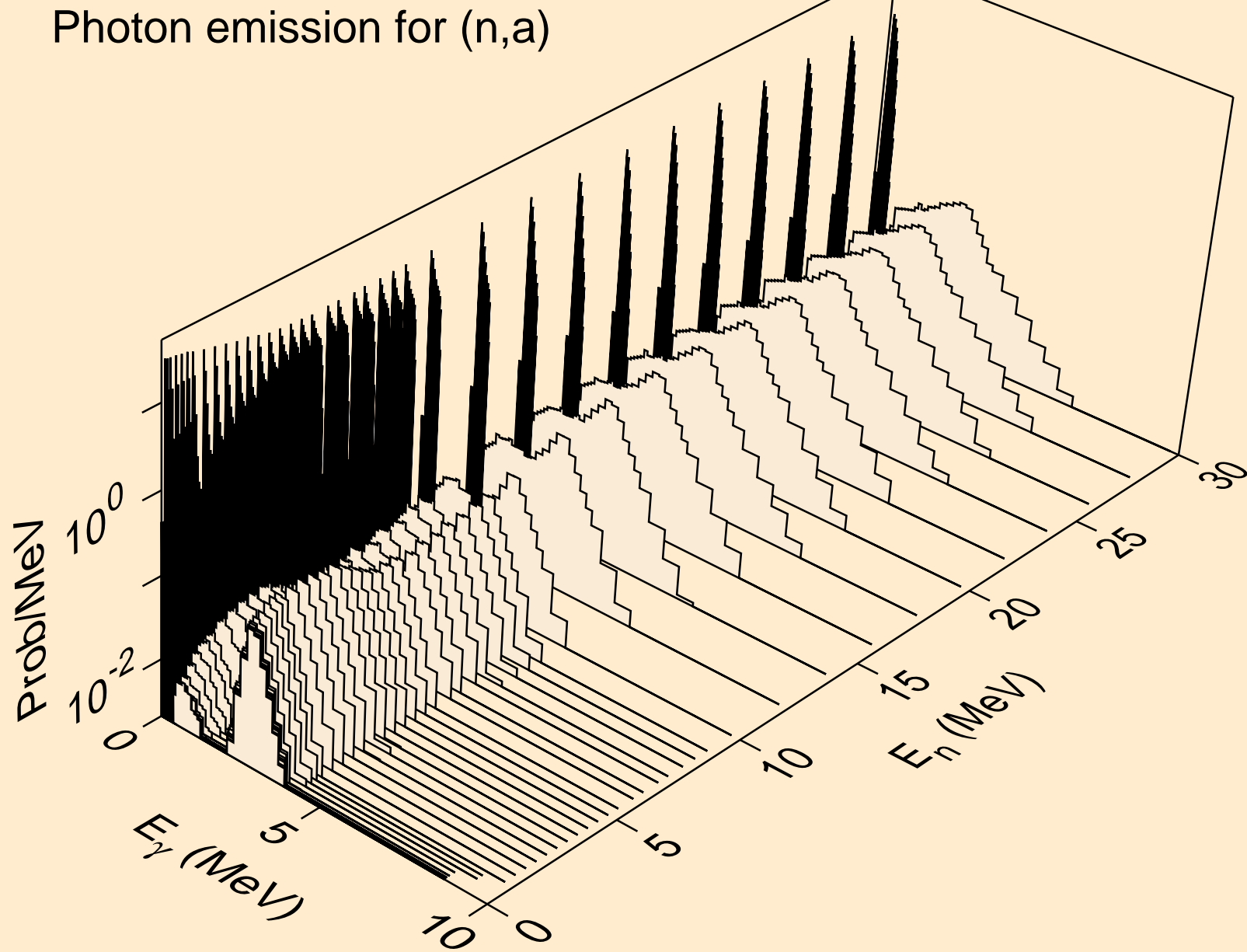
RF255 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,t)



RF255 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,he3)

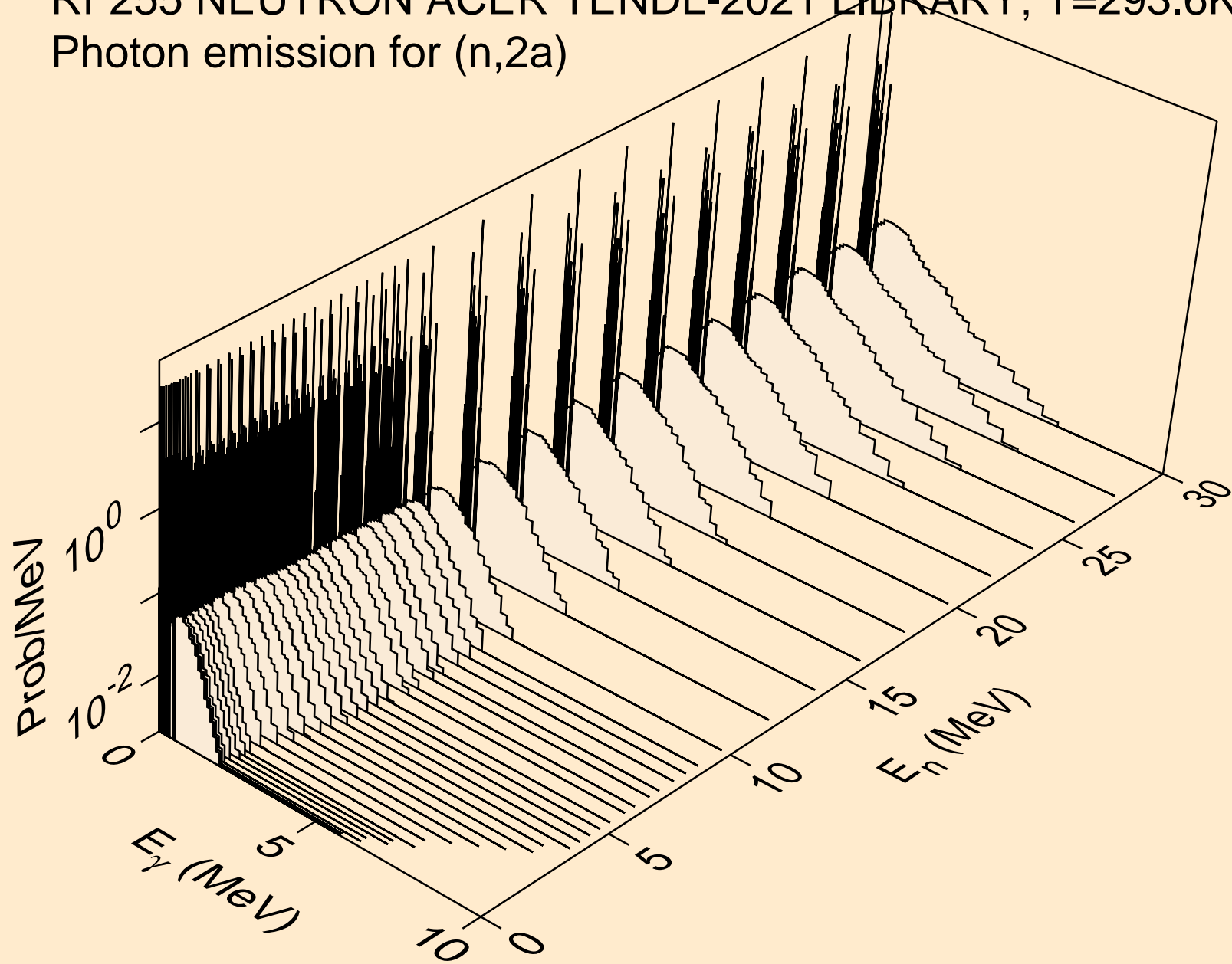


RF255 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,a)

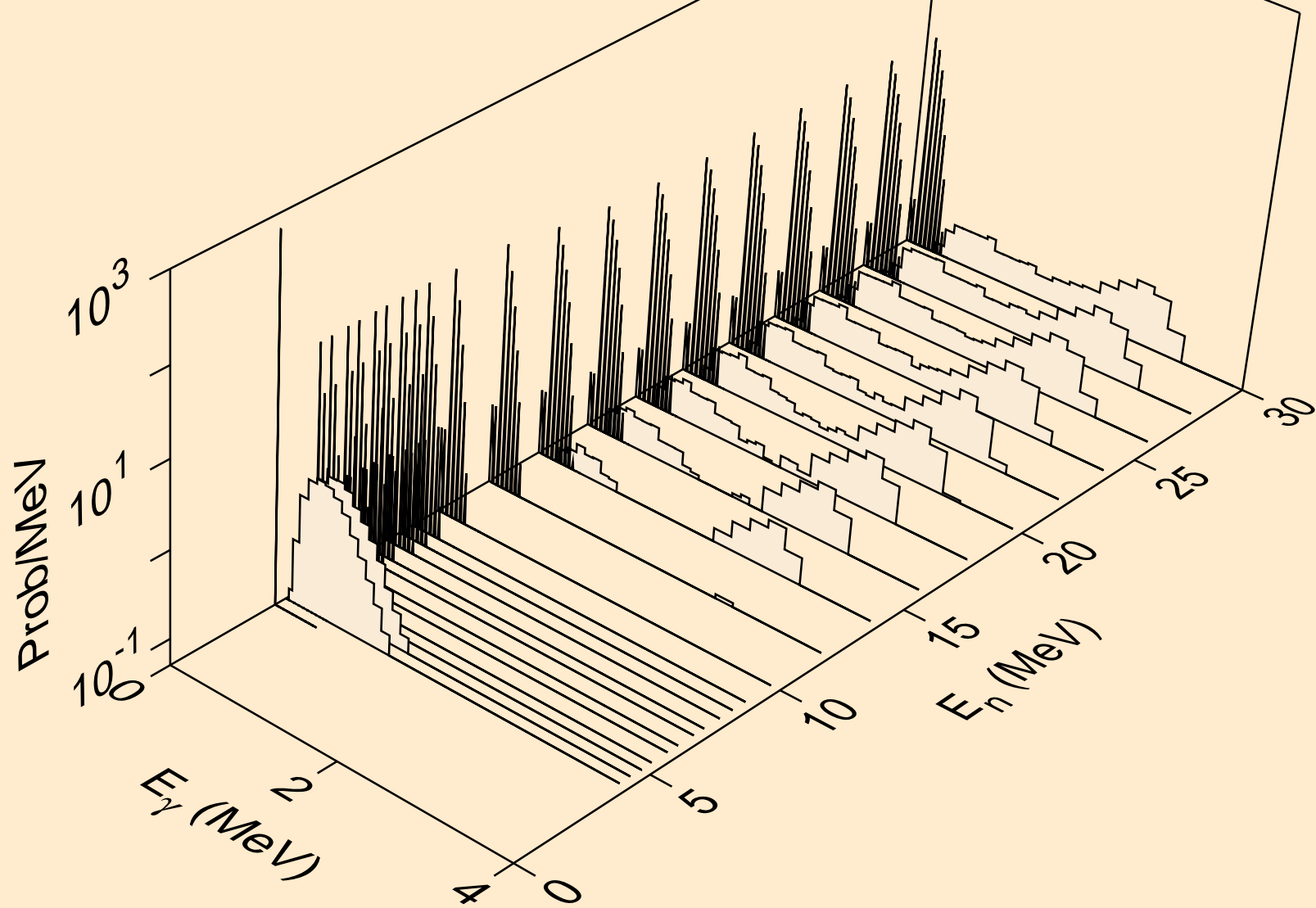




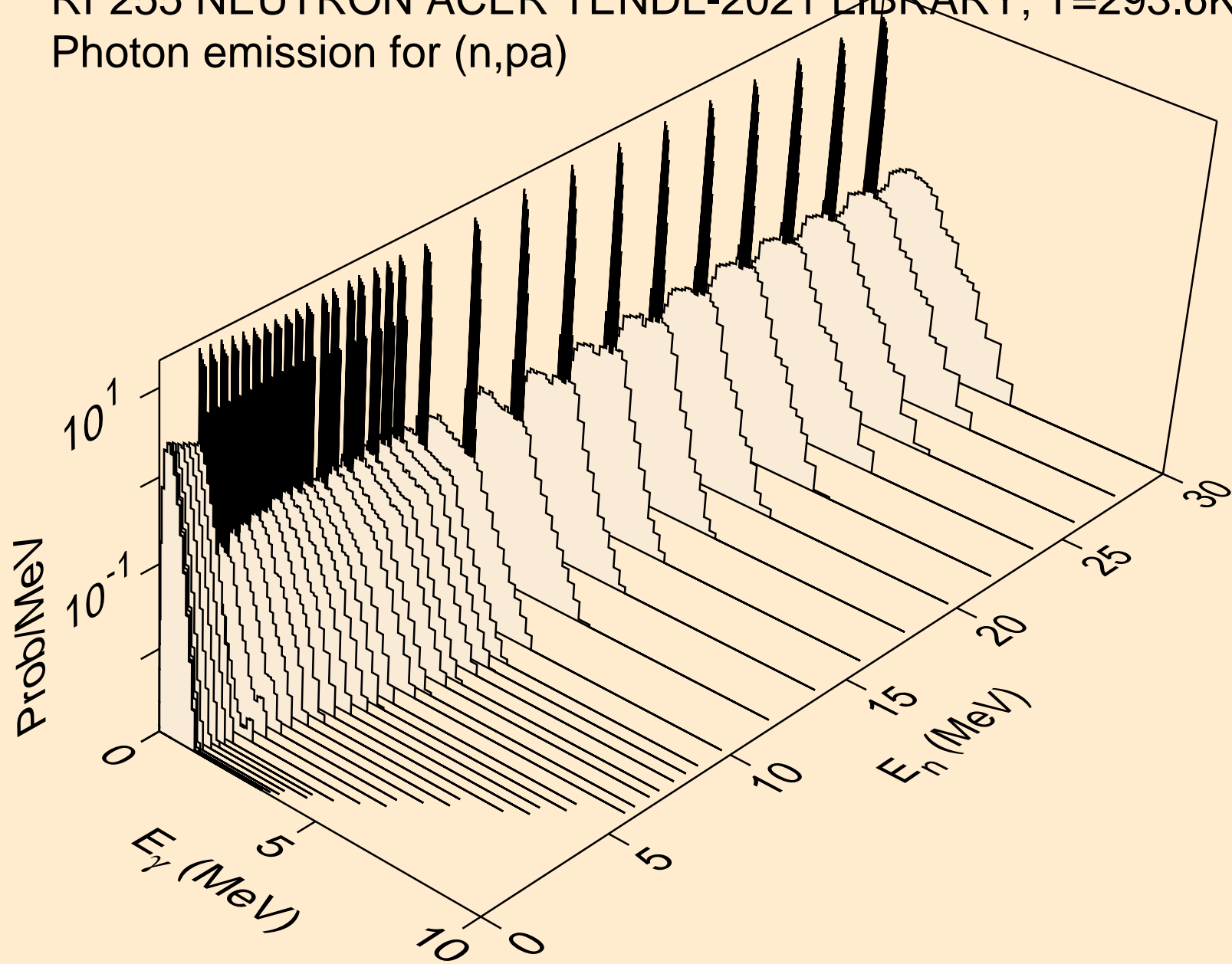
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Photon emission for (n,2a)



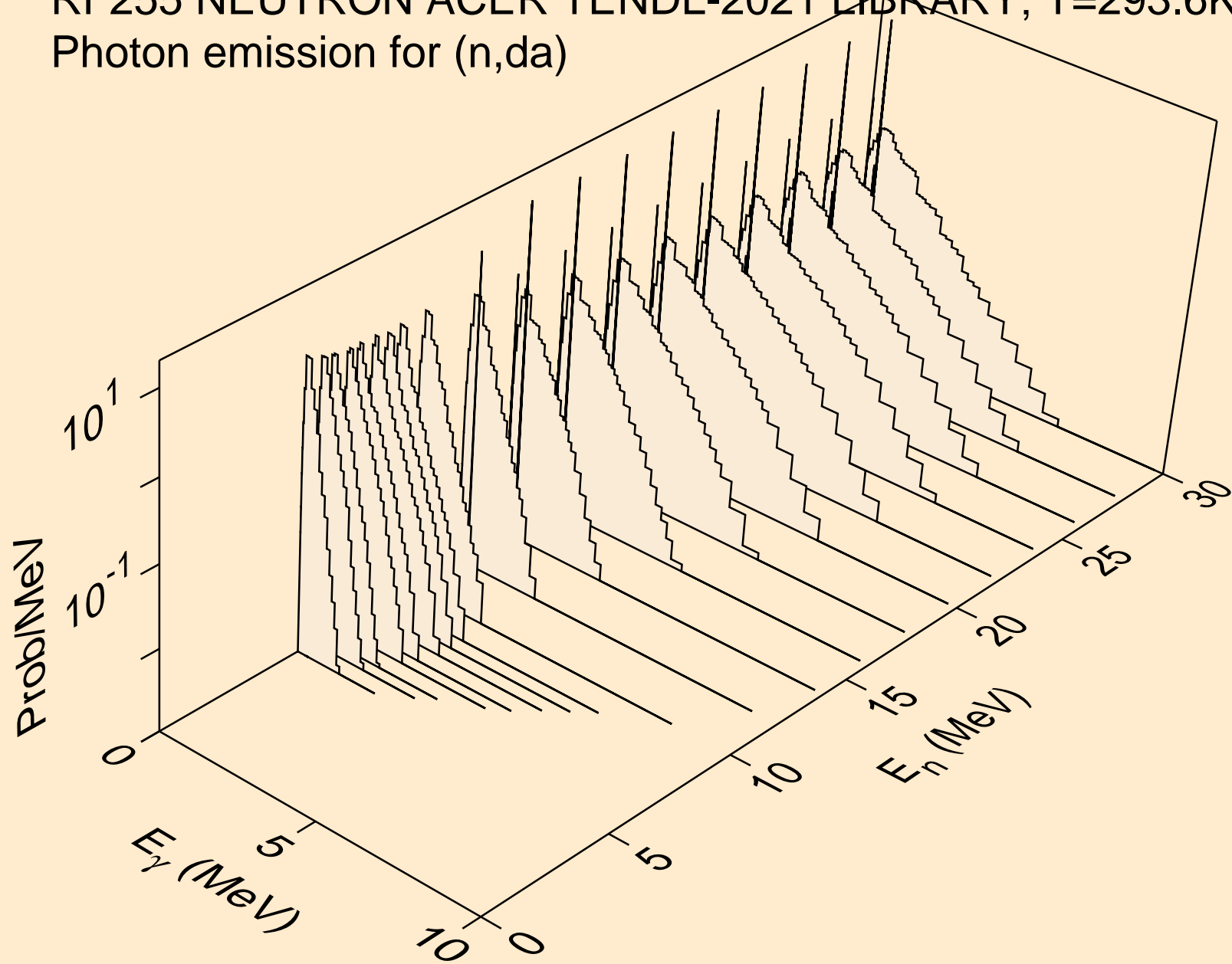
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Photon emission for (n,2p)



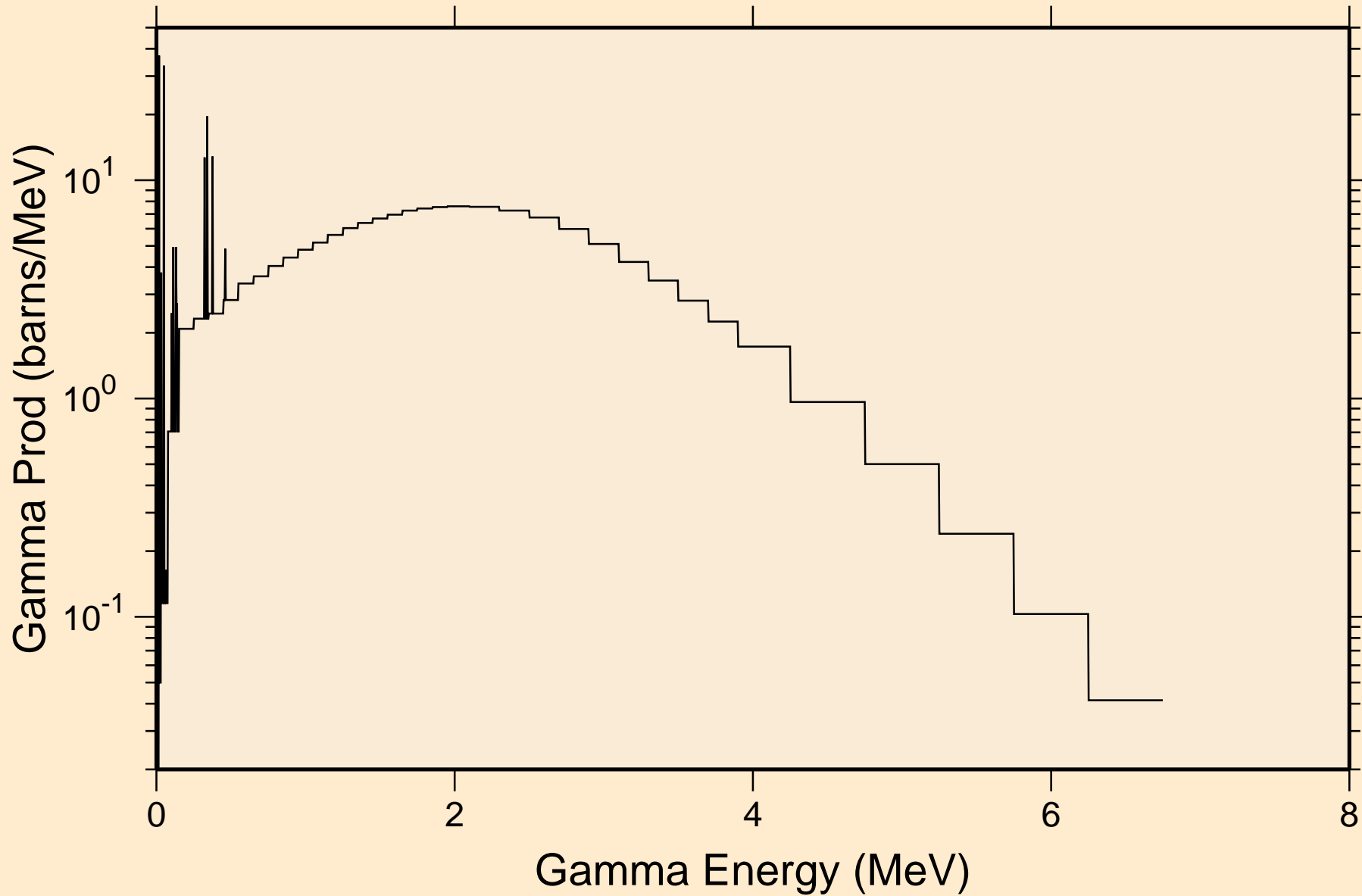
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Photon emission for (n,p $\alpha$ )



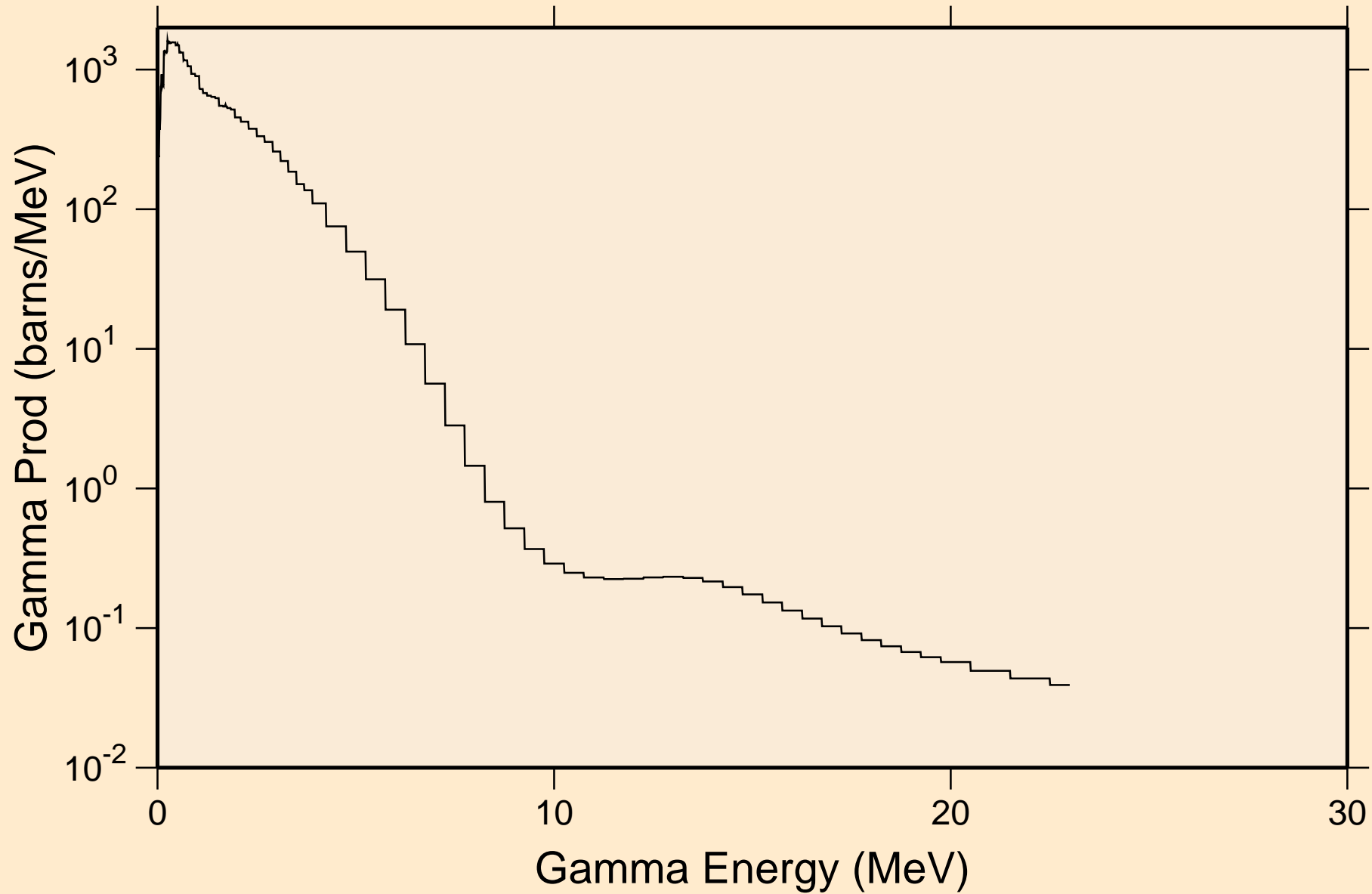
RF255 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,da)



RF255 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
thermal capture photon spectrum

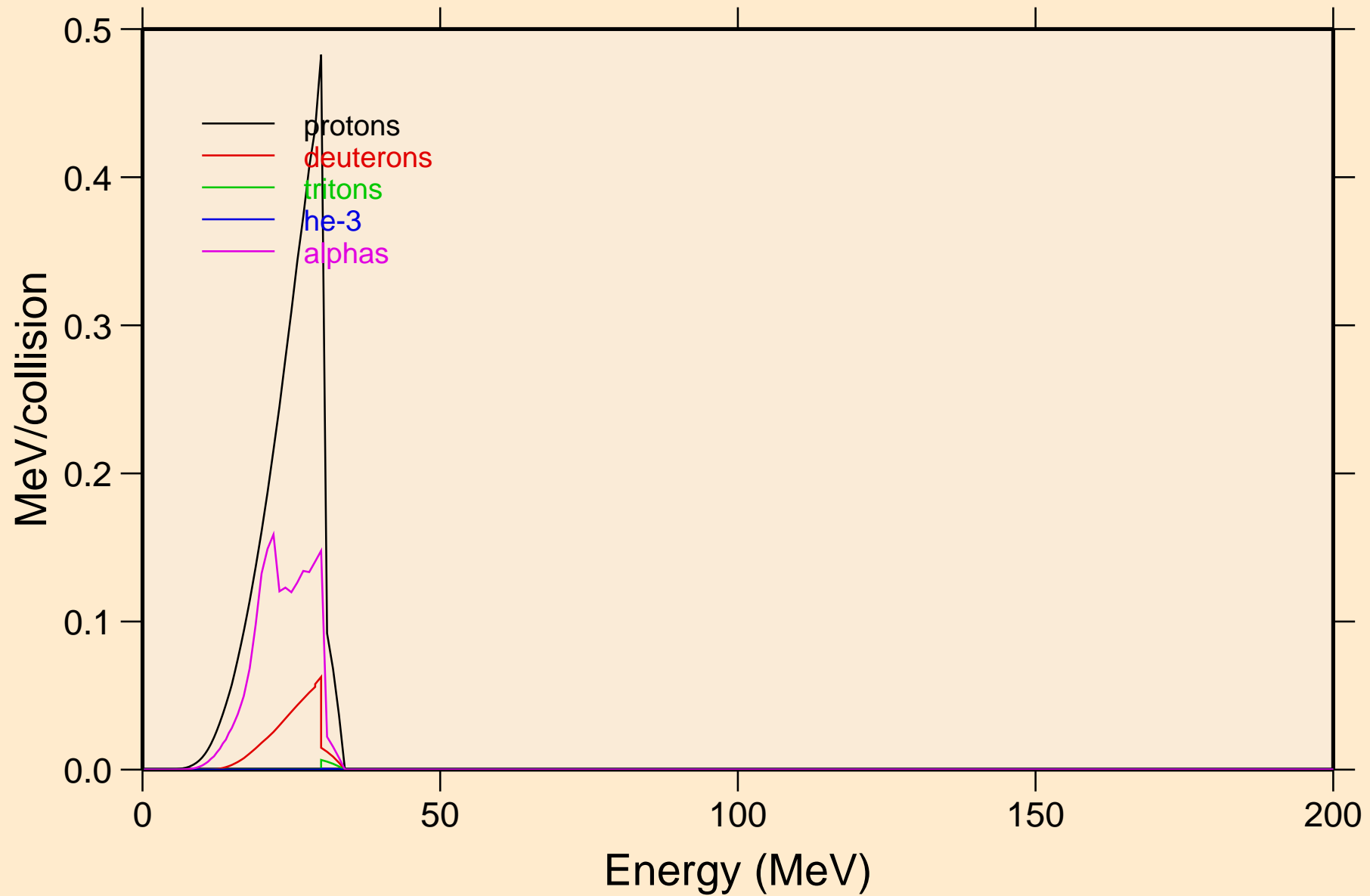


RF255 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
14 MeV photon spectrum

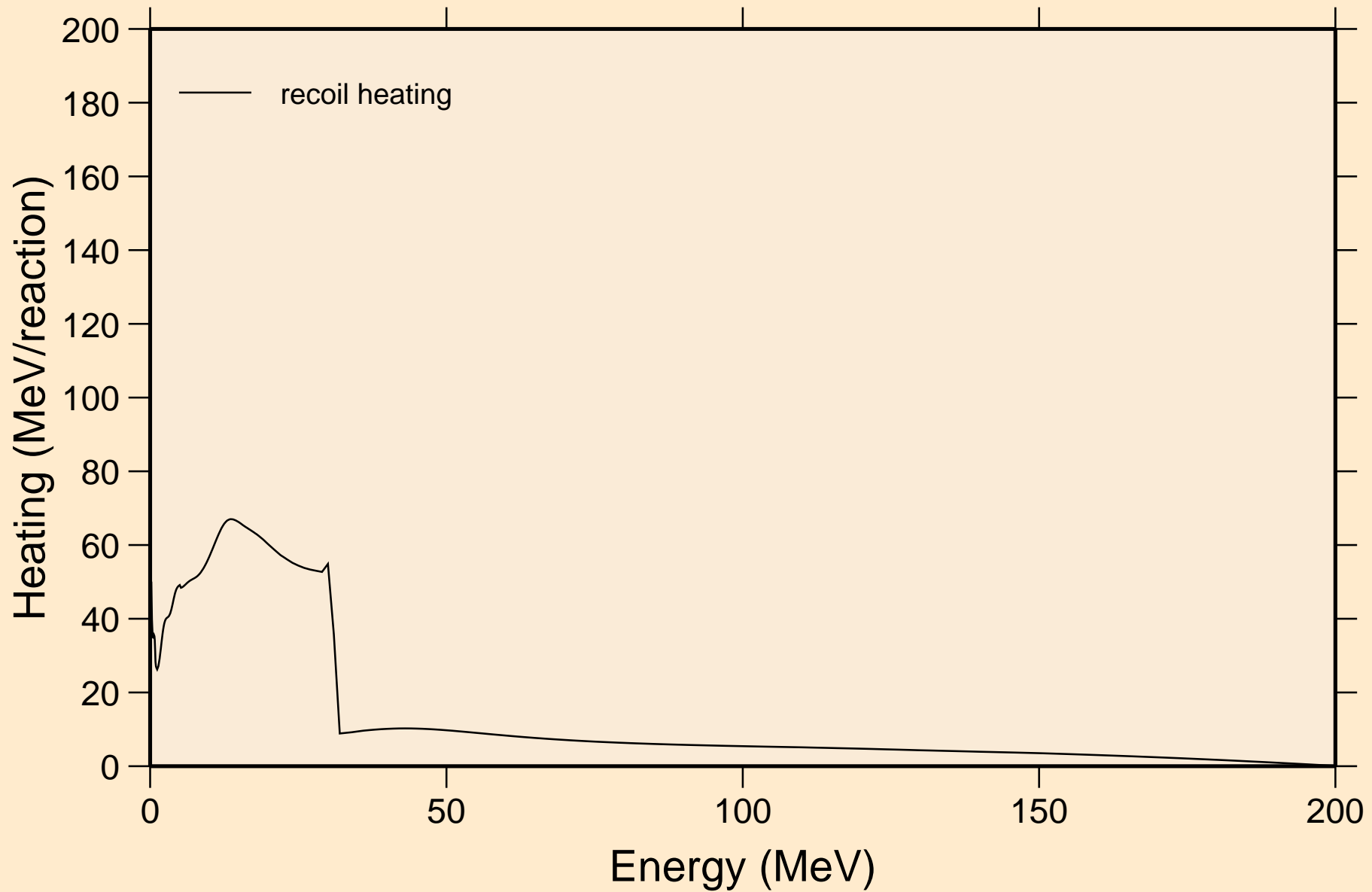


# RF255 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Particle heating contributions



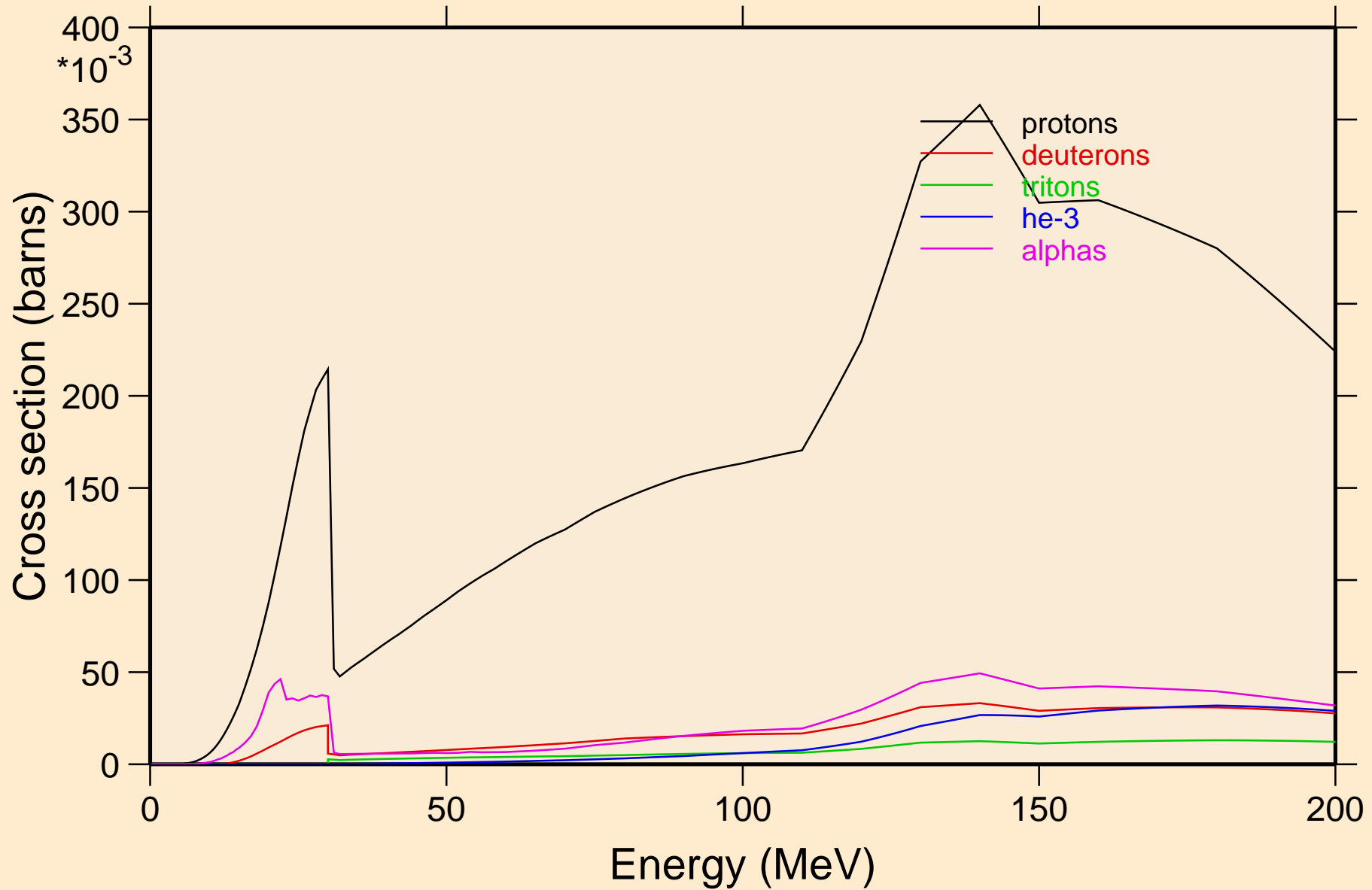
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Recoil Heating



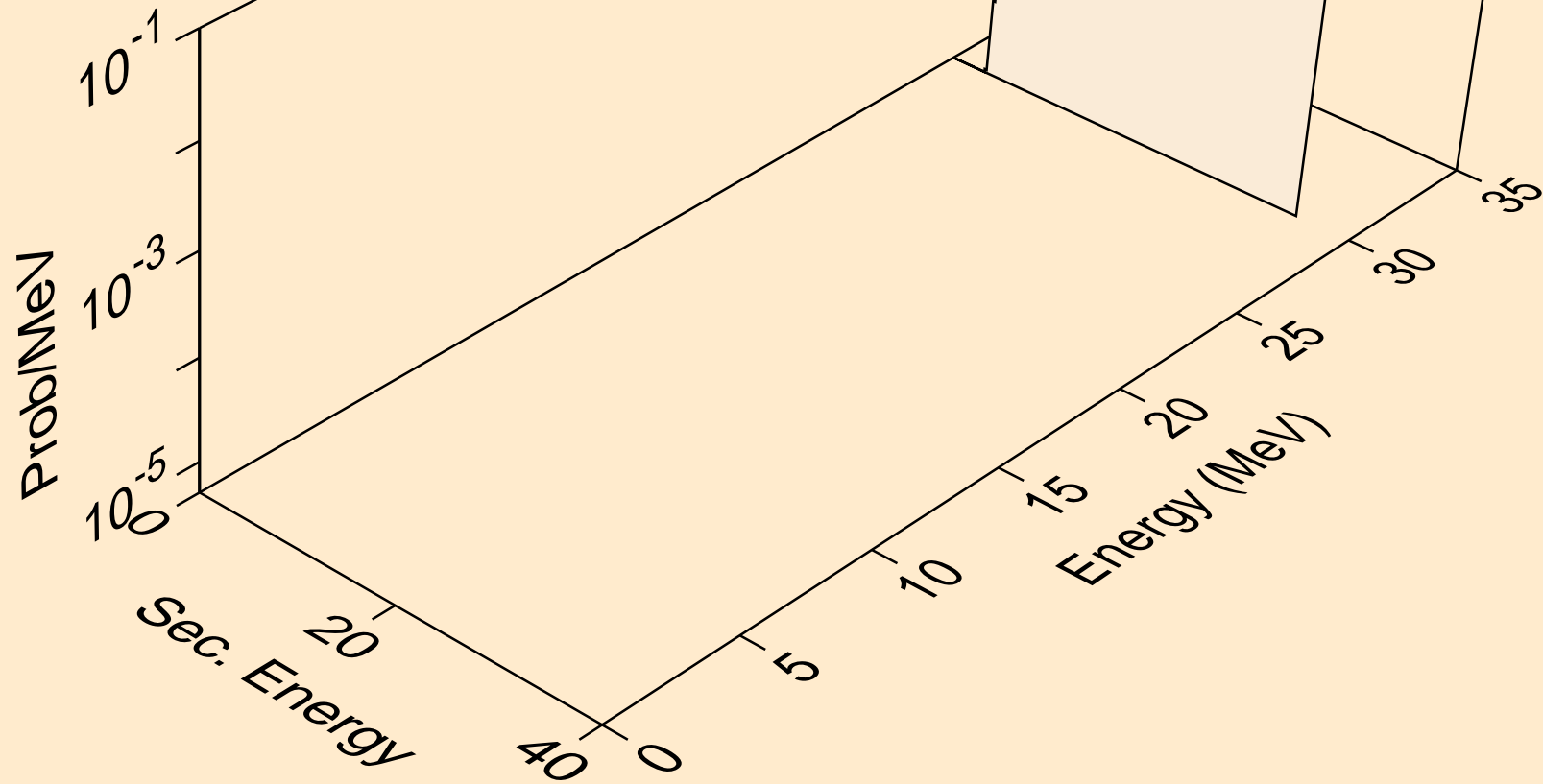


# RF255 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

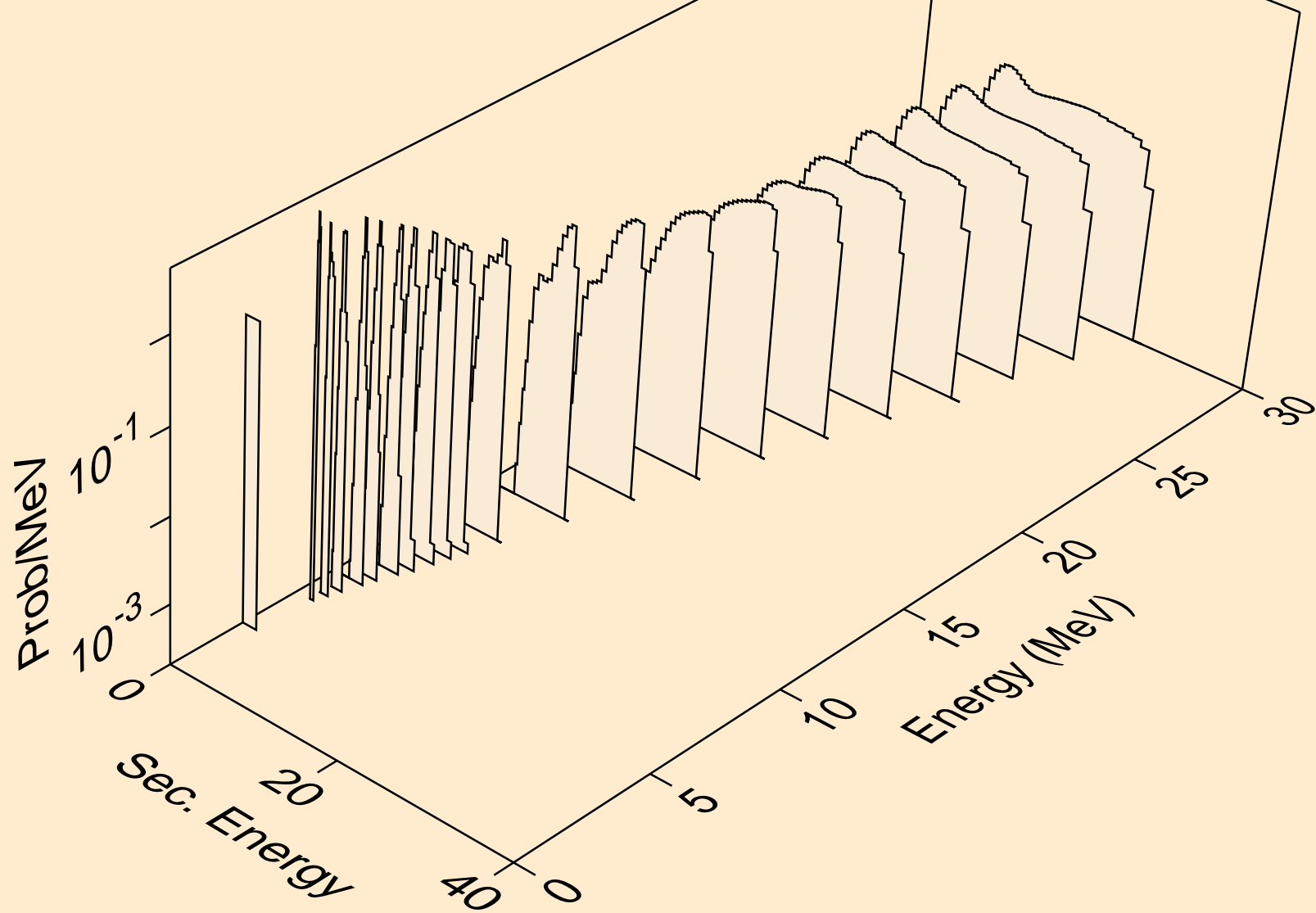
## Particle production cross sections



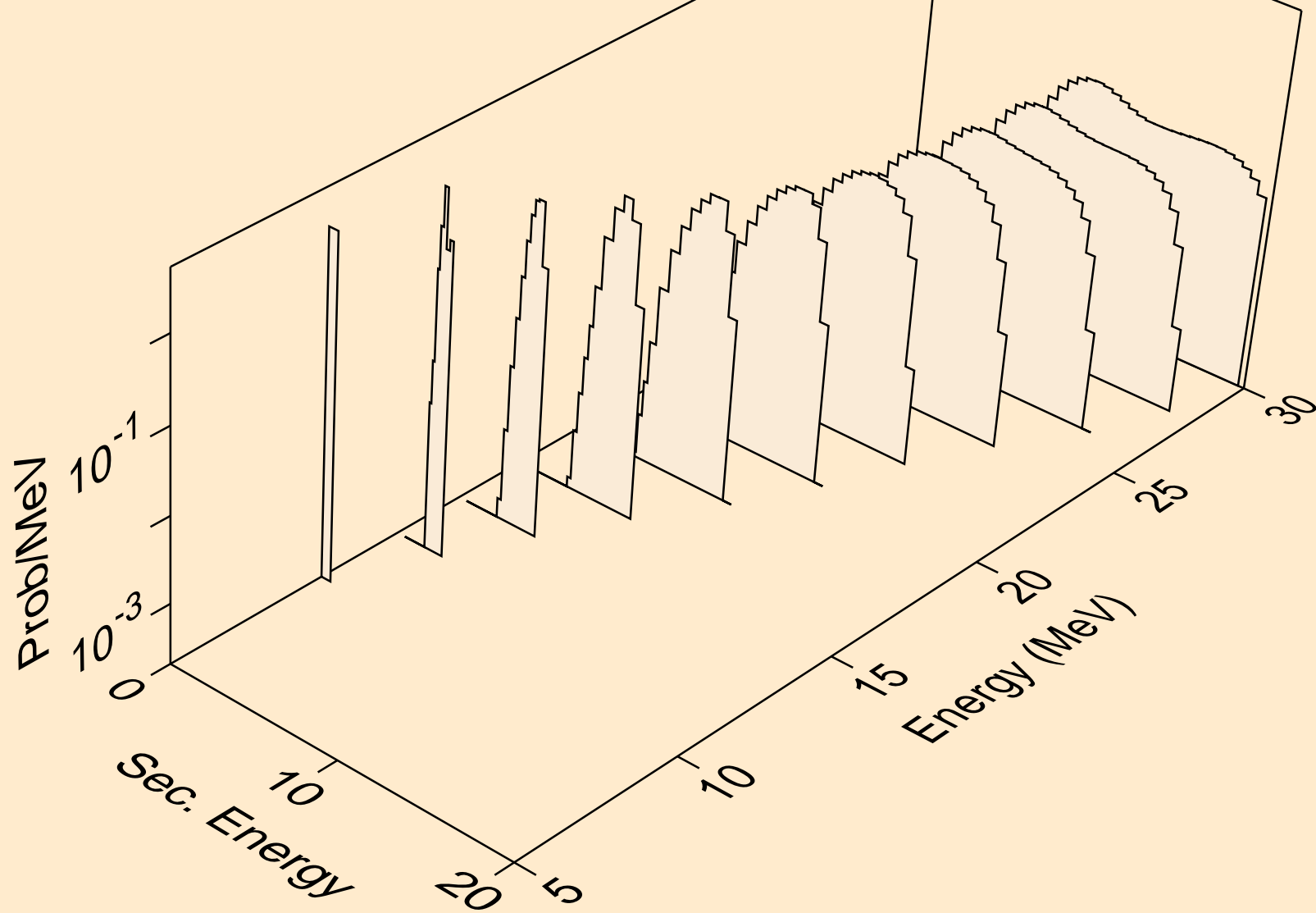
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protons from (n,x)



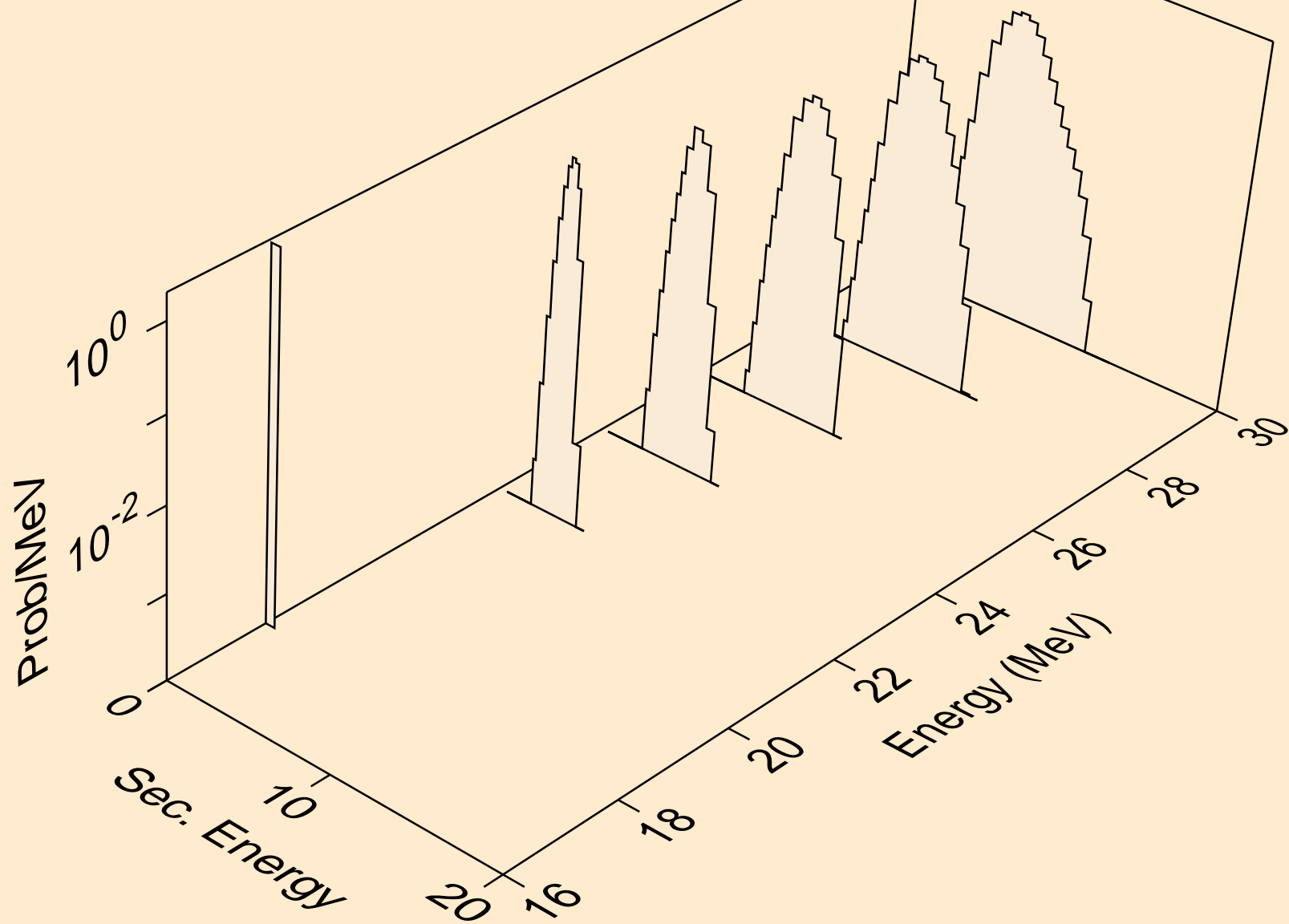
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protons from (n,n\*)p



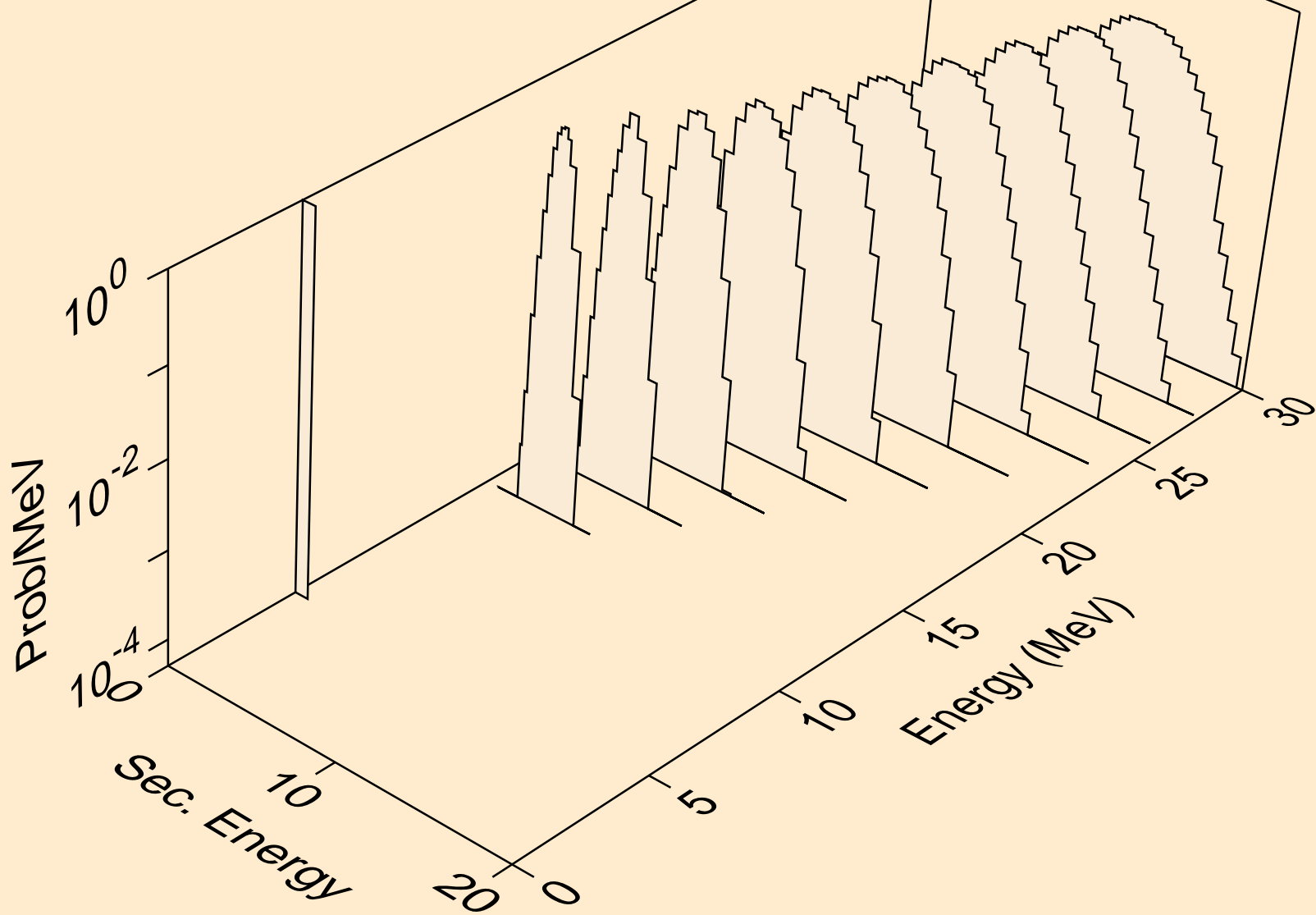
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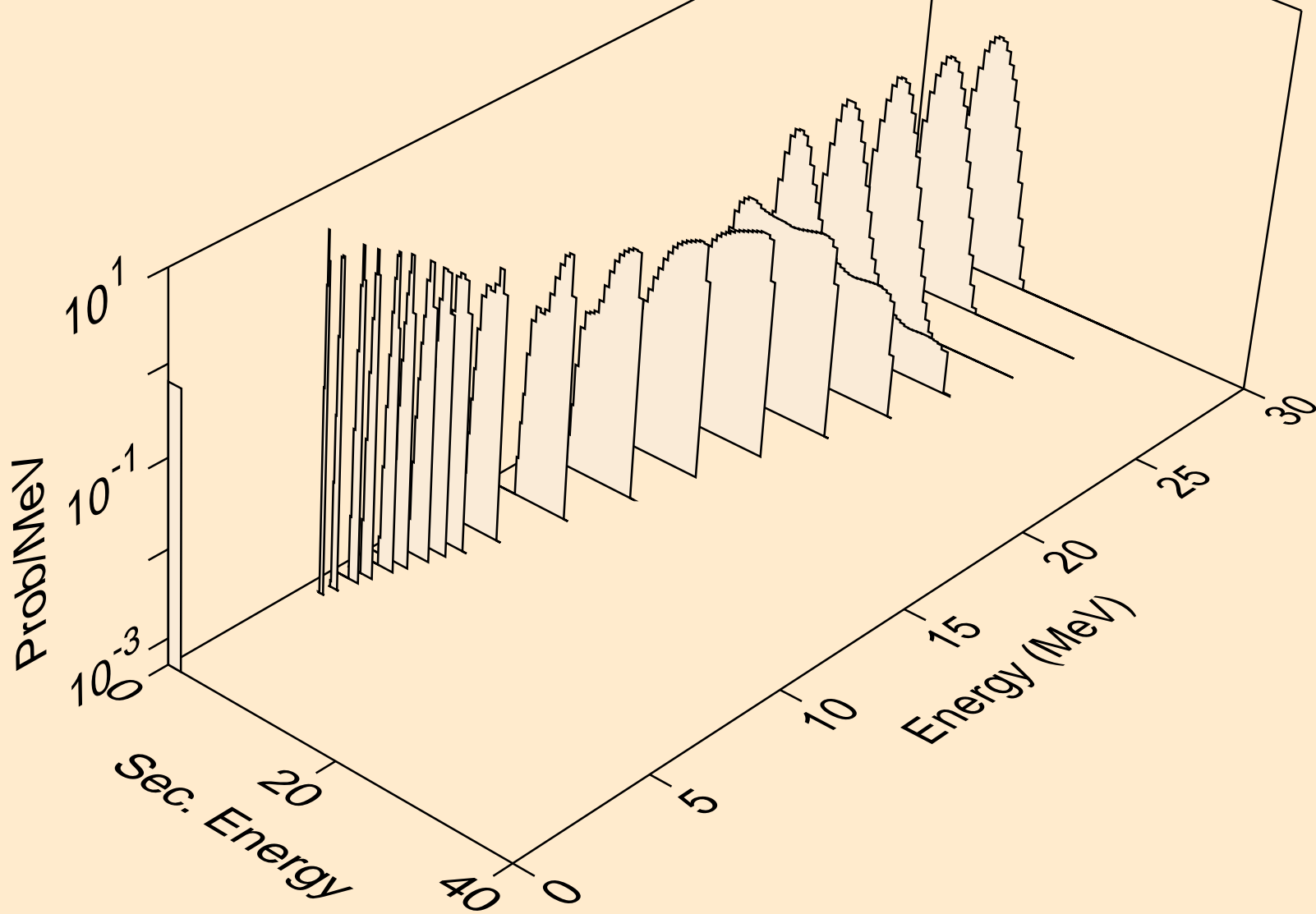
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protons from (n,3np)



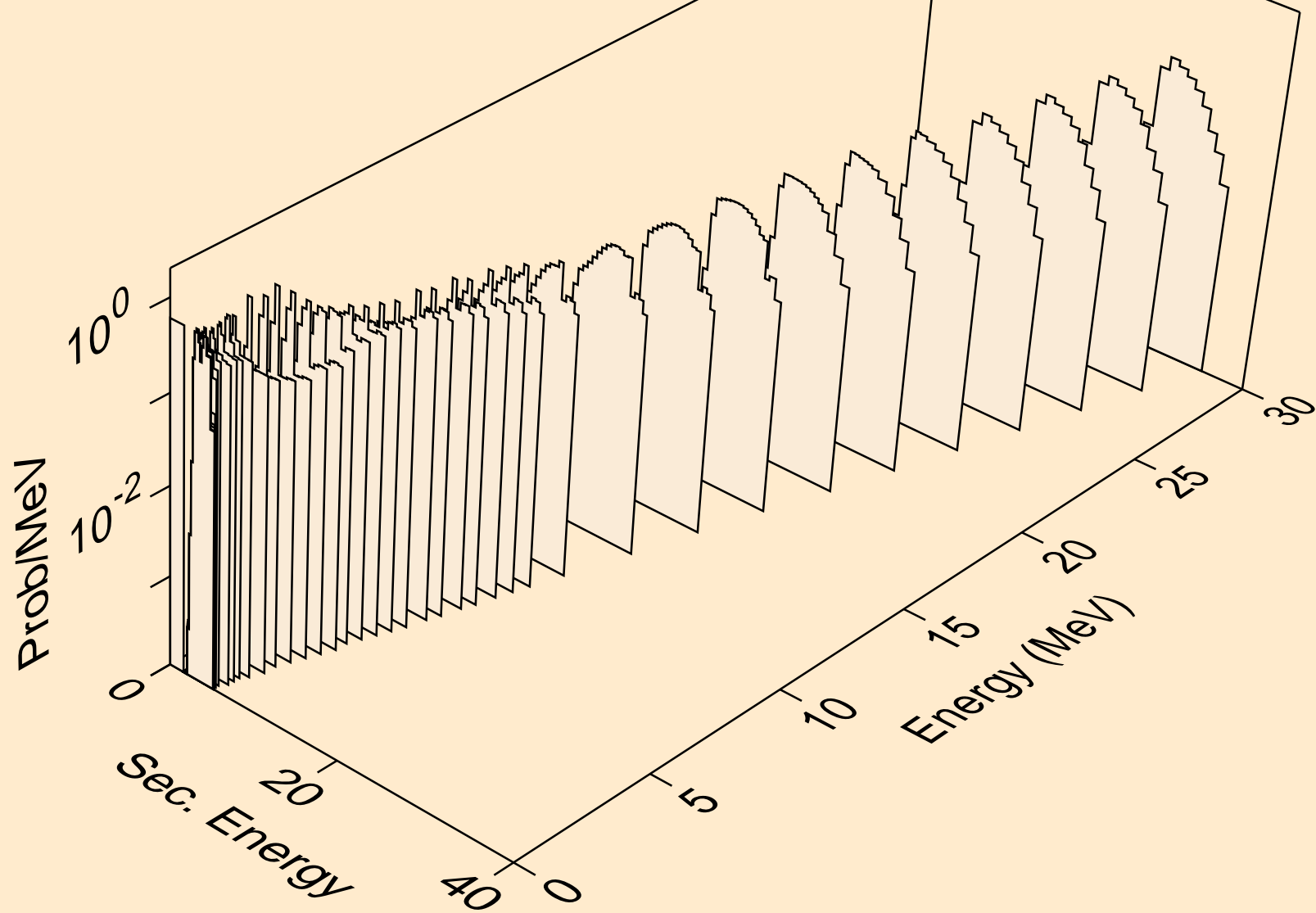
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protons from (n,2np)



RF255 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,npa)

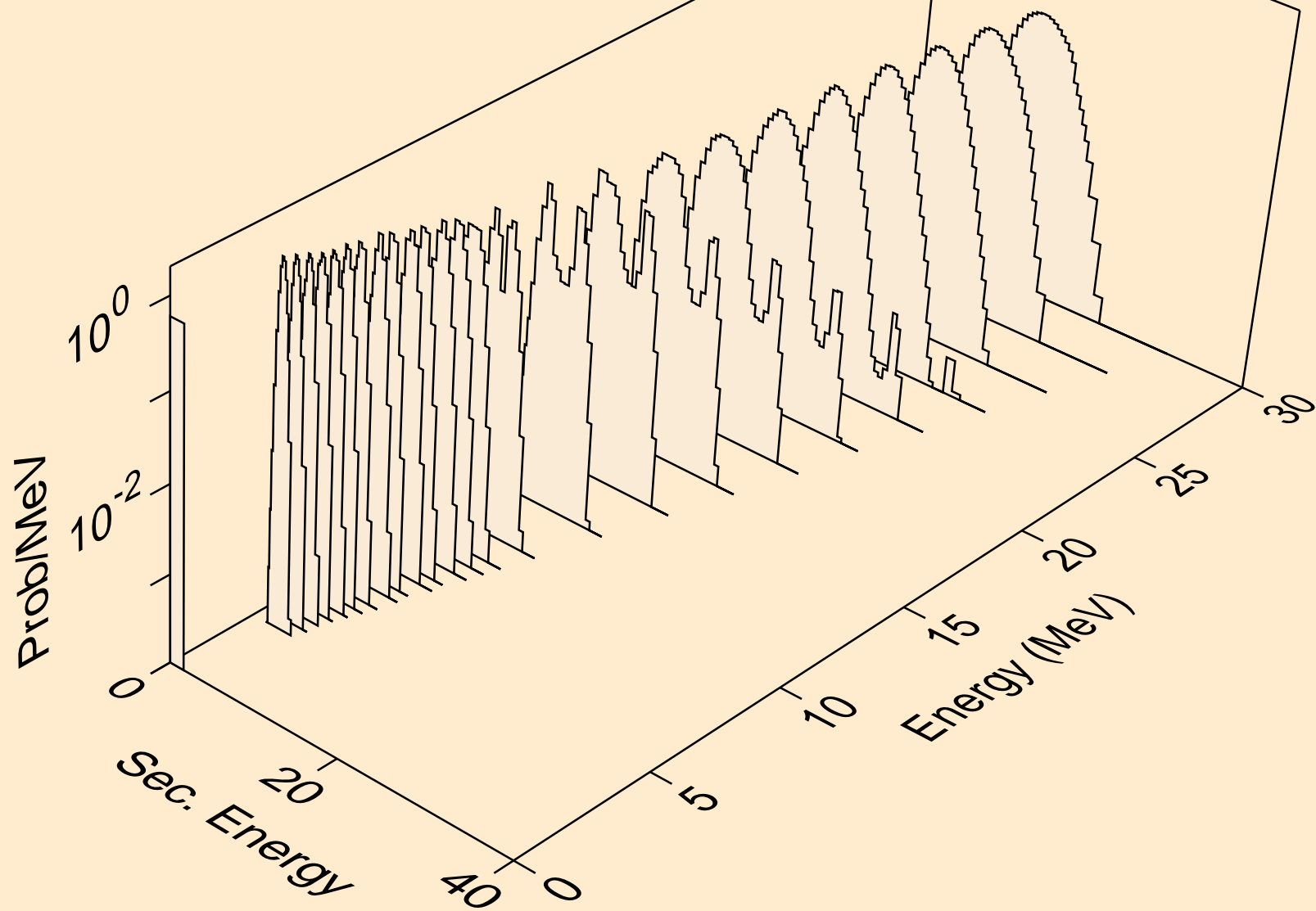


RF255 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
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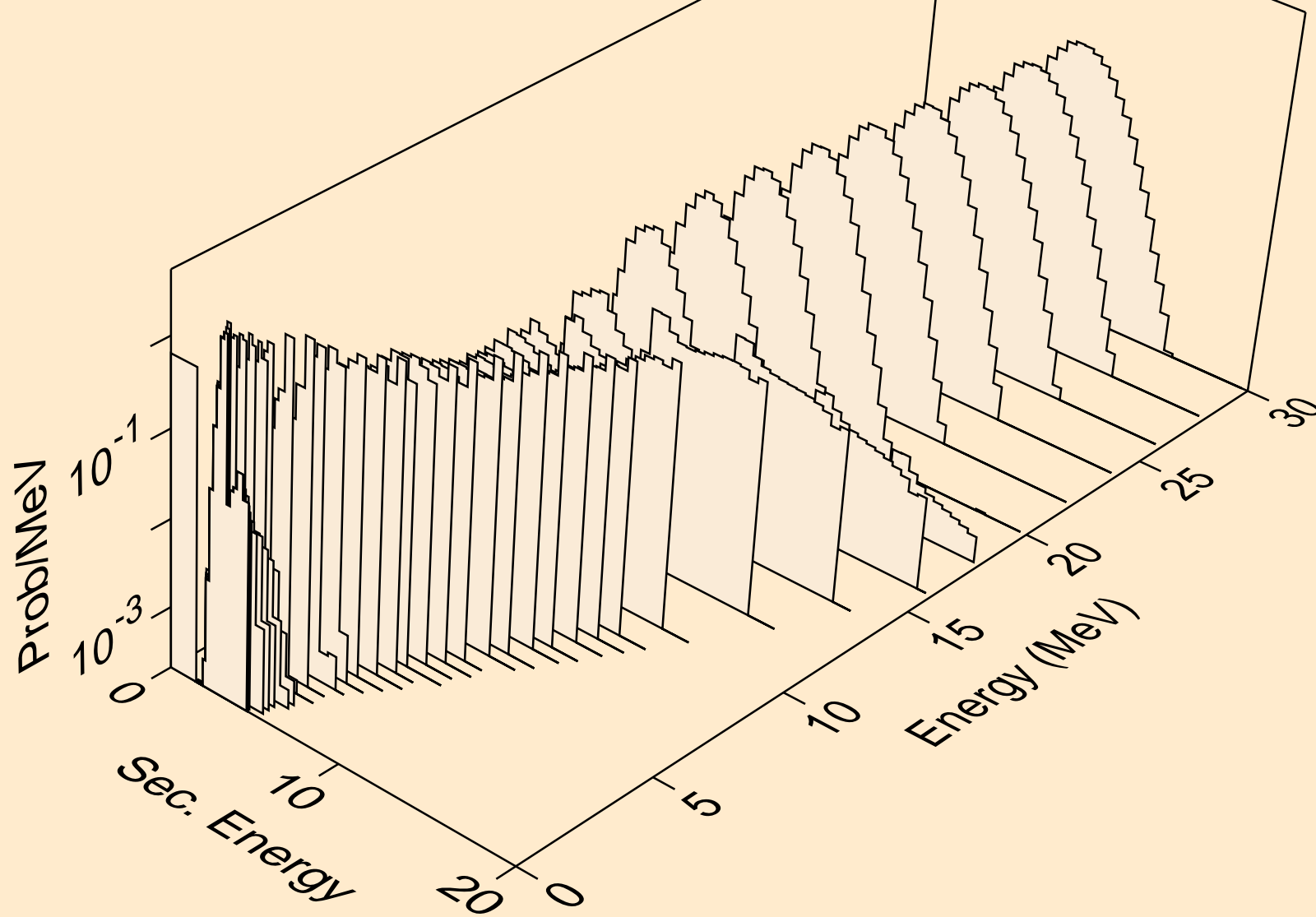




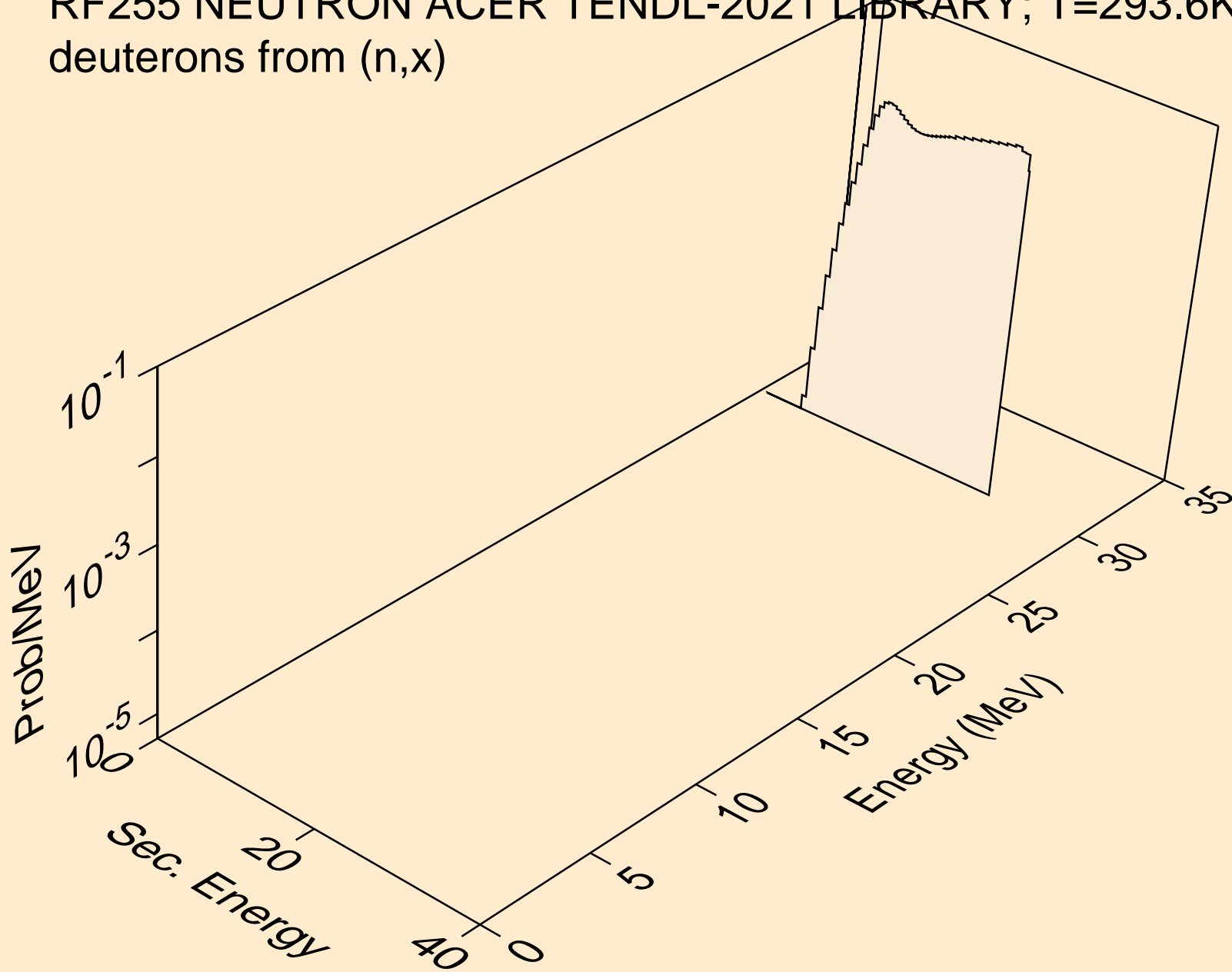
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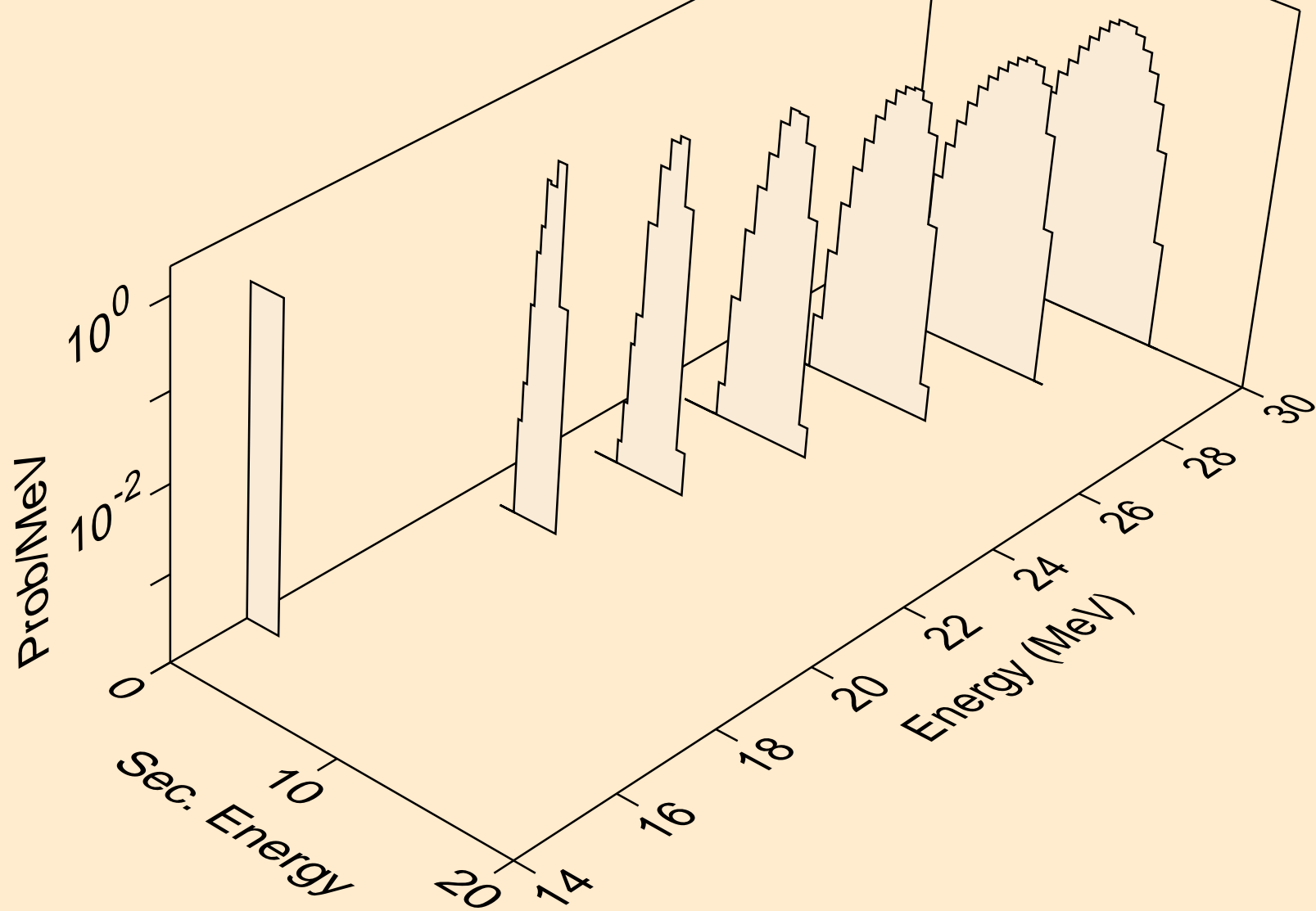
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protons from (n,p)



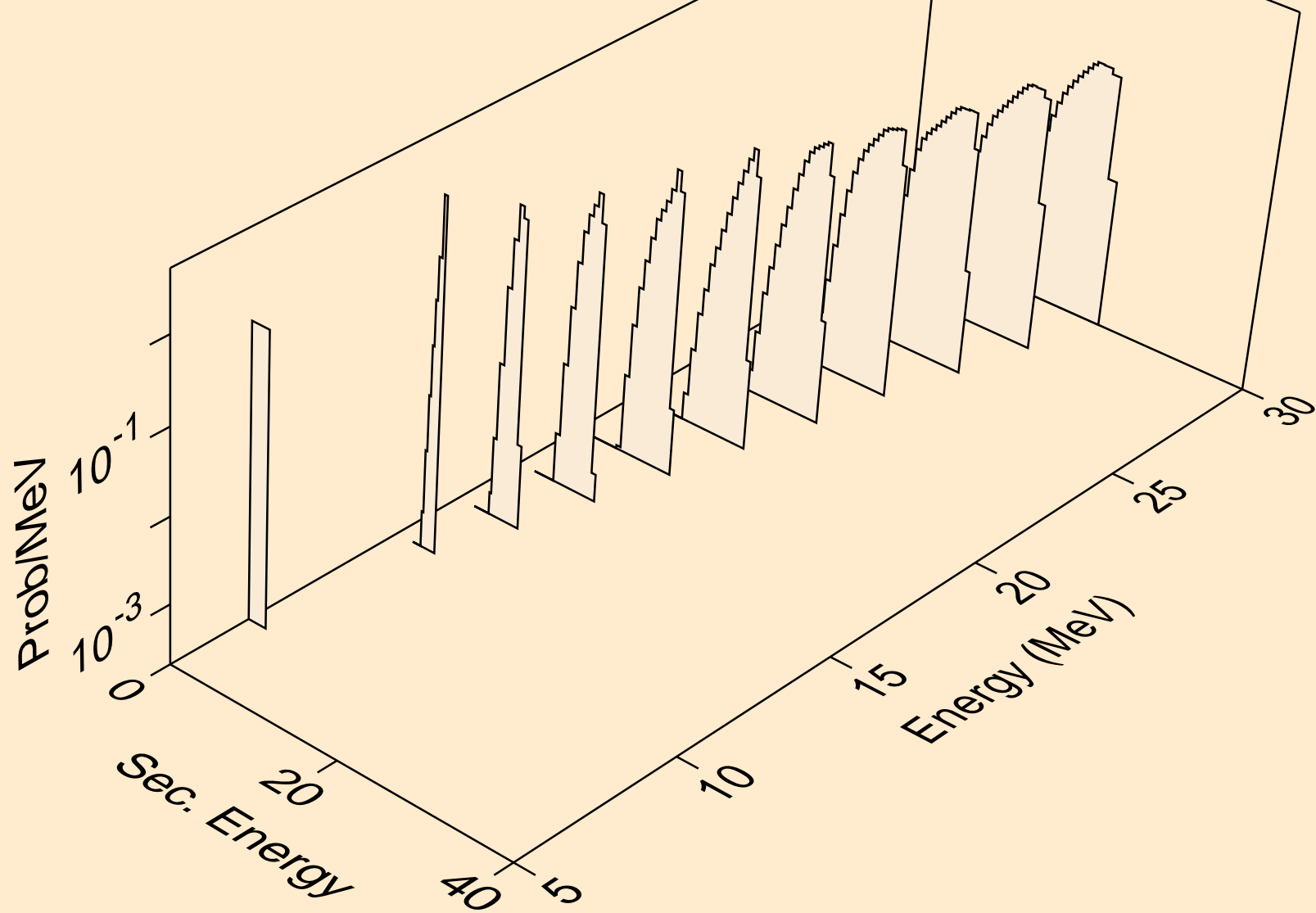
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deuterons from (n,x)



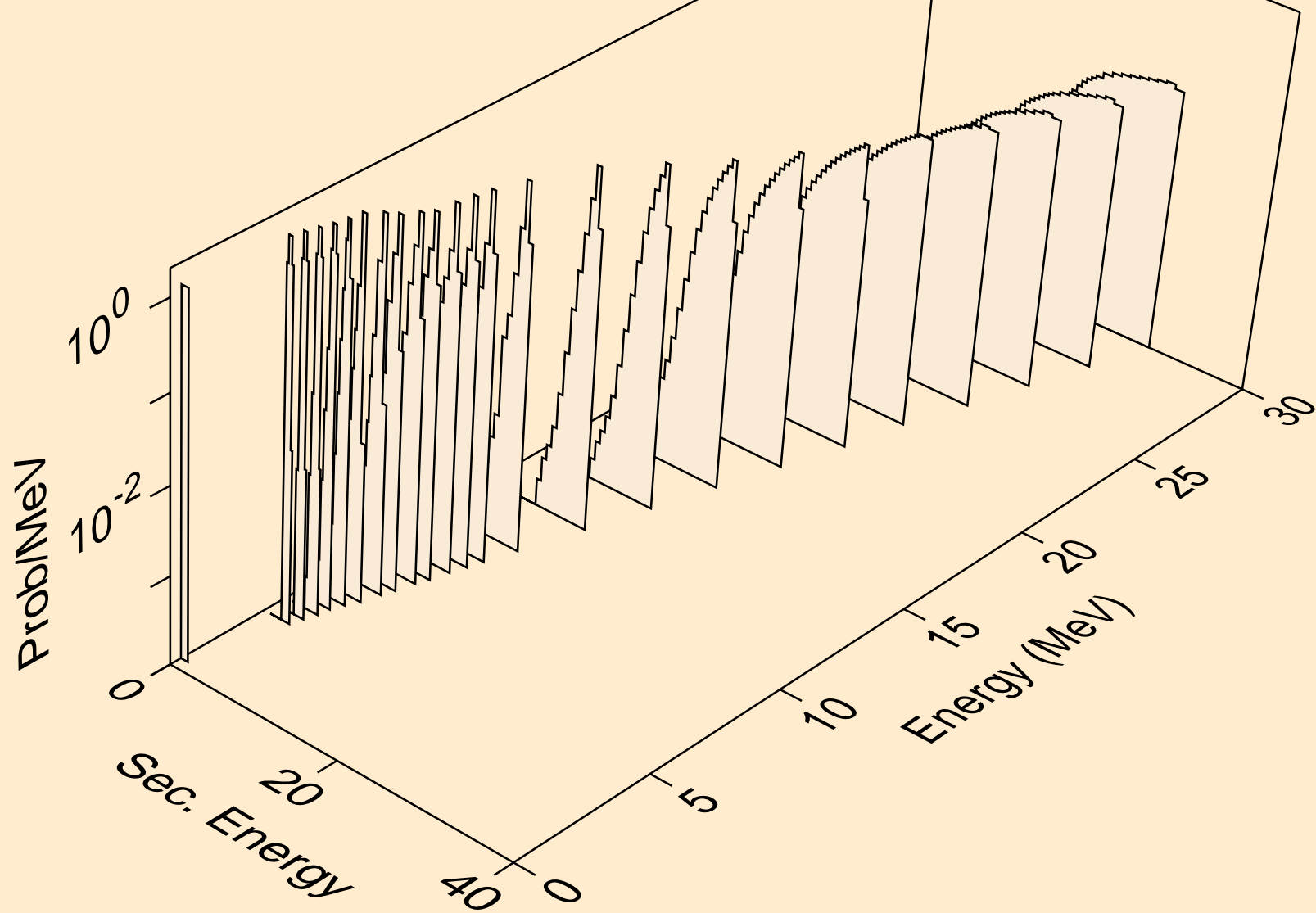
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deuterons from (n,2nd)



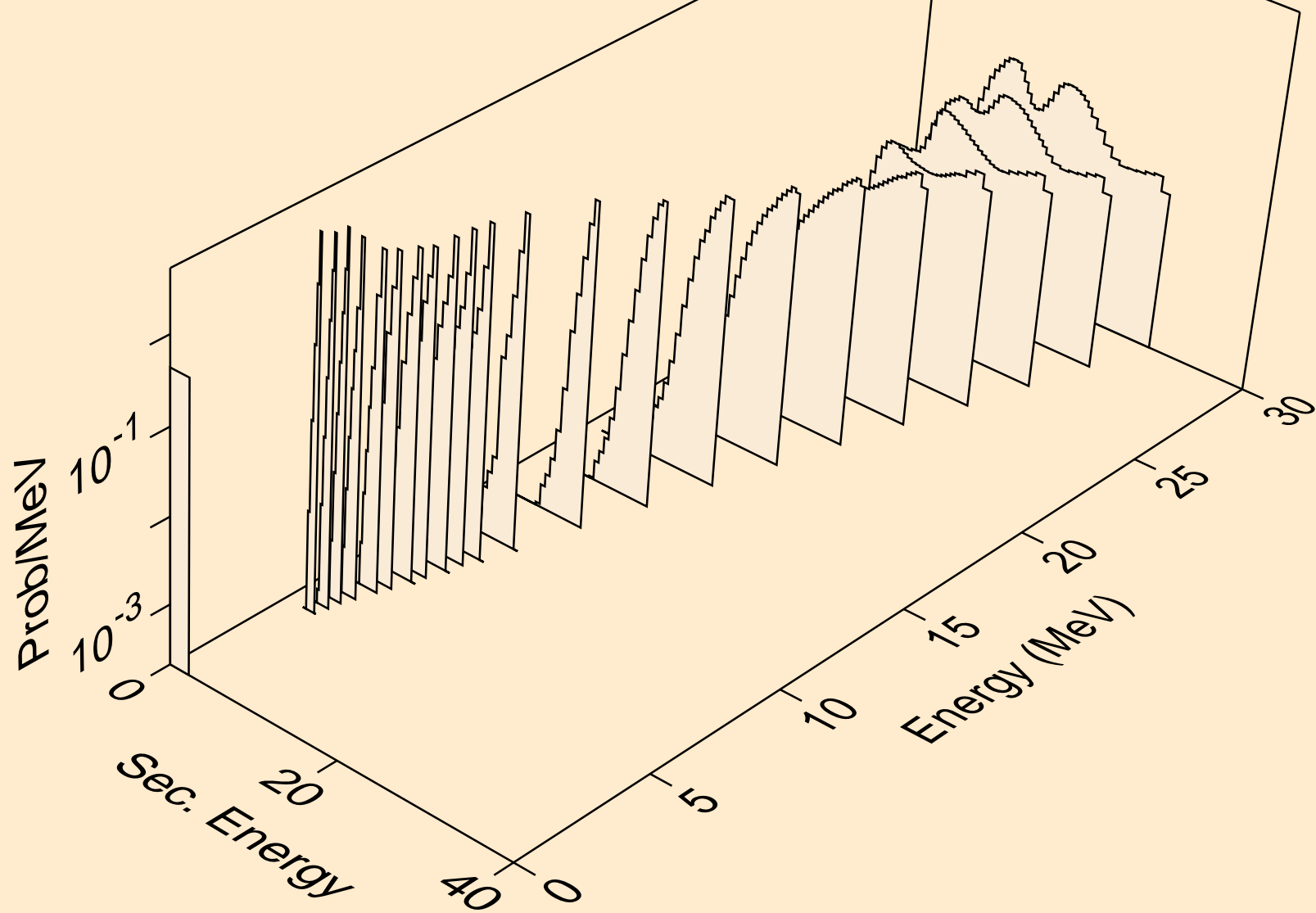
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deuterons from (n,n\*)d



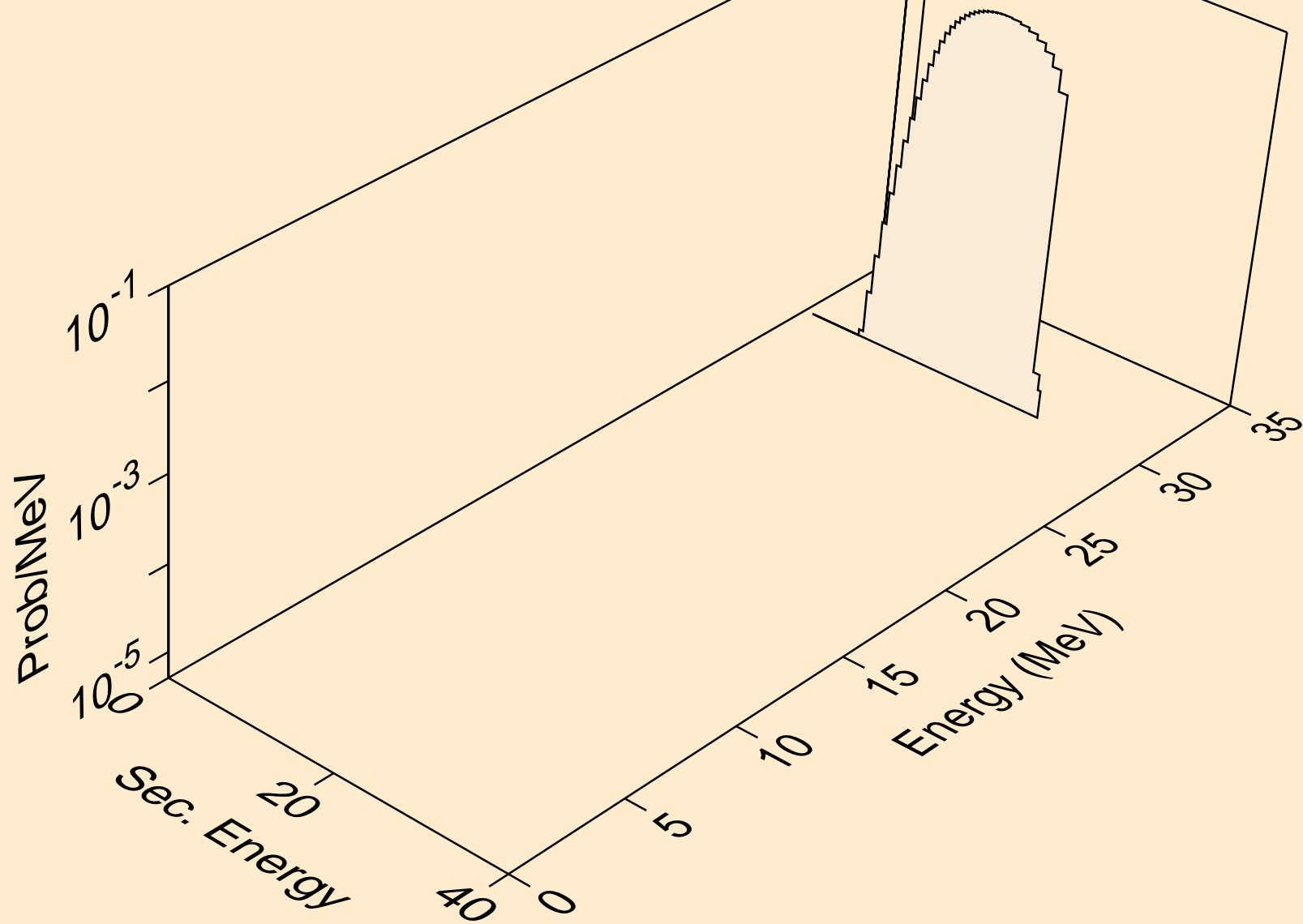
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deuterons from (n,d)



RF255 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,da)

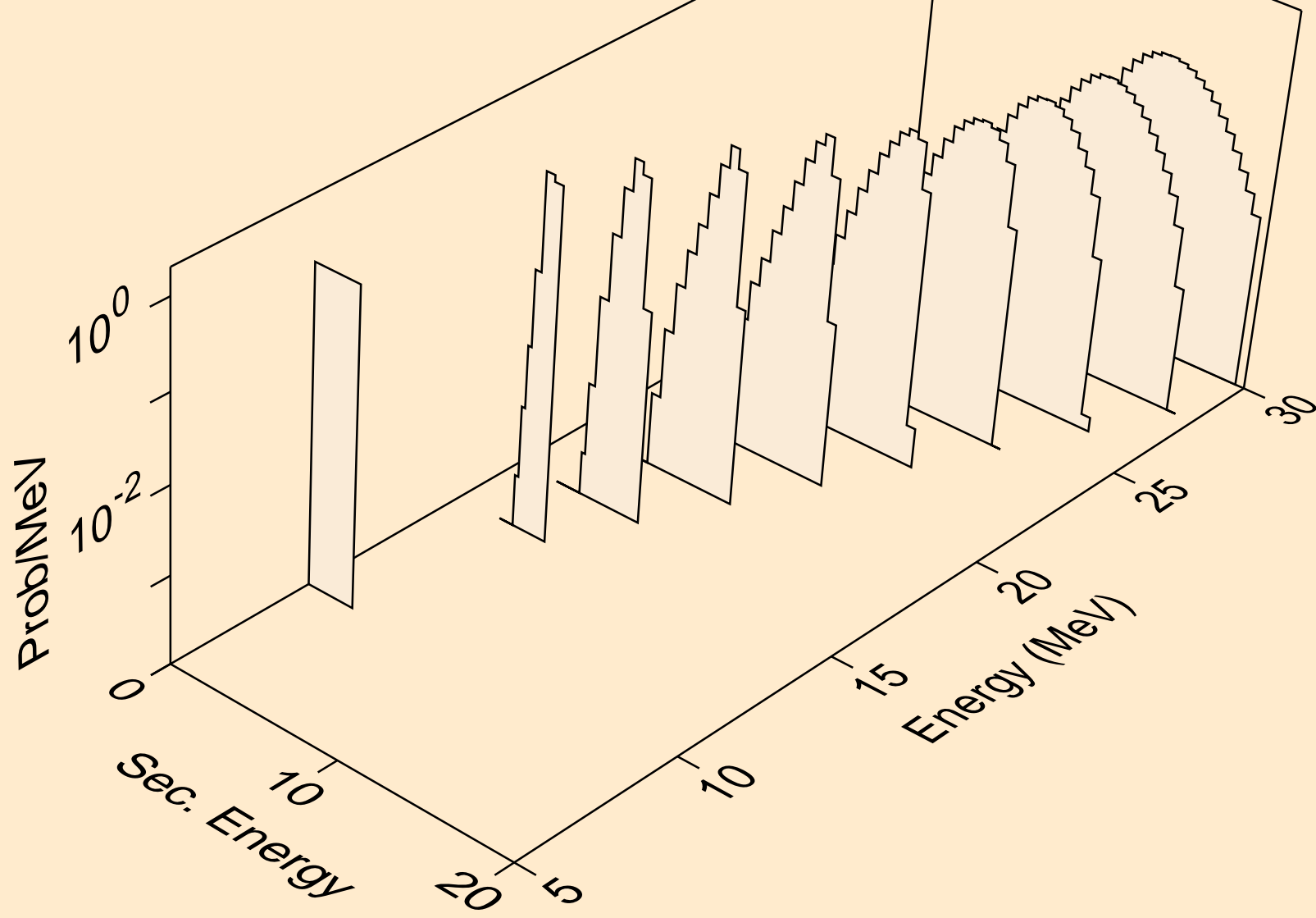


RF255 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,x)

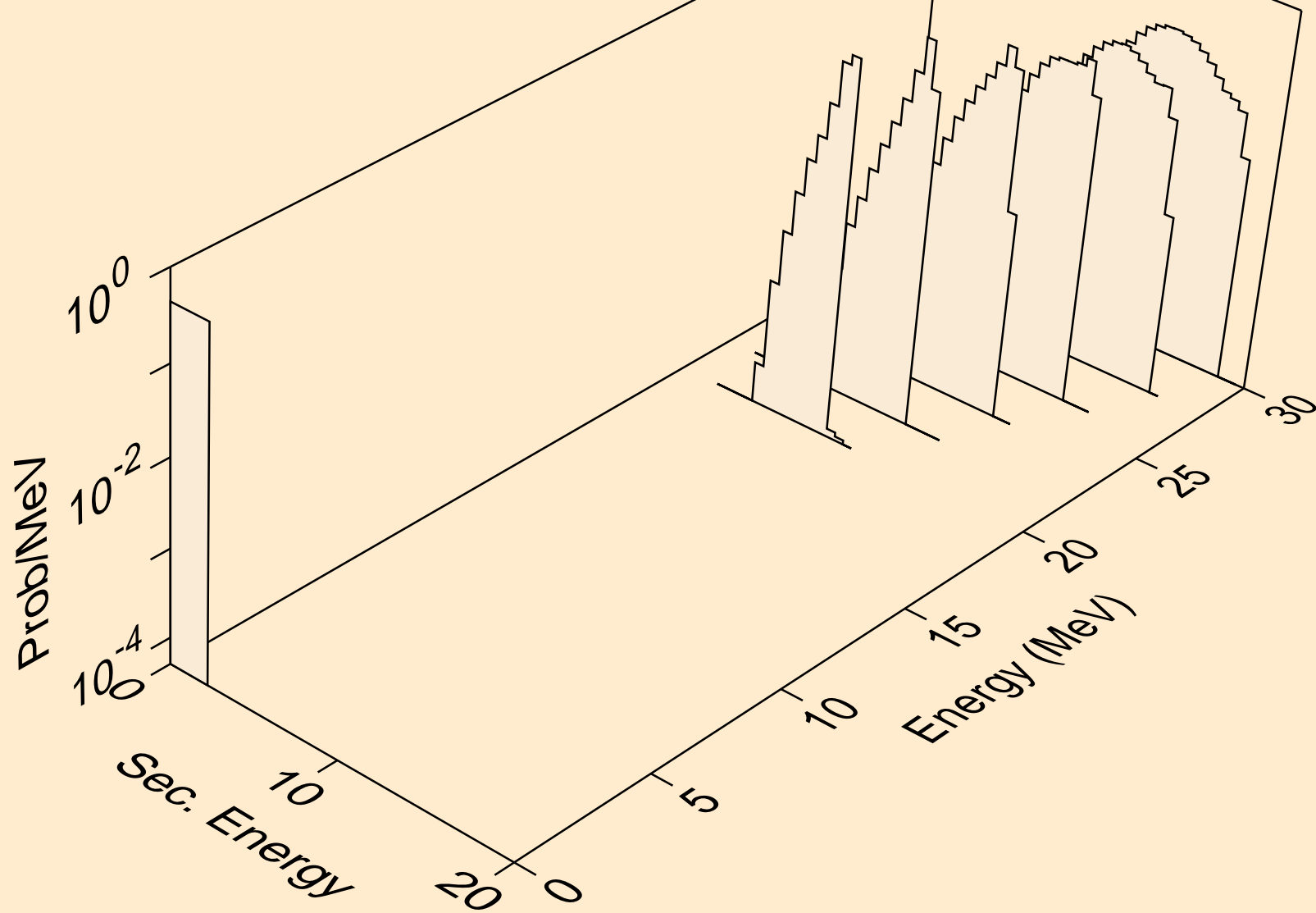




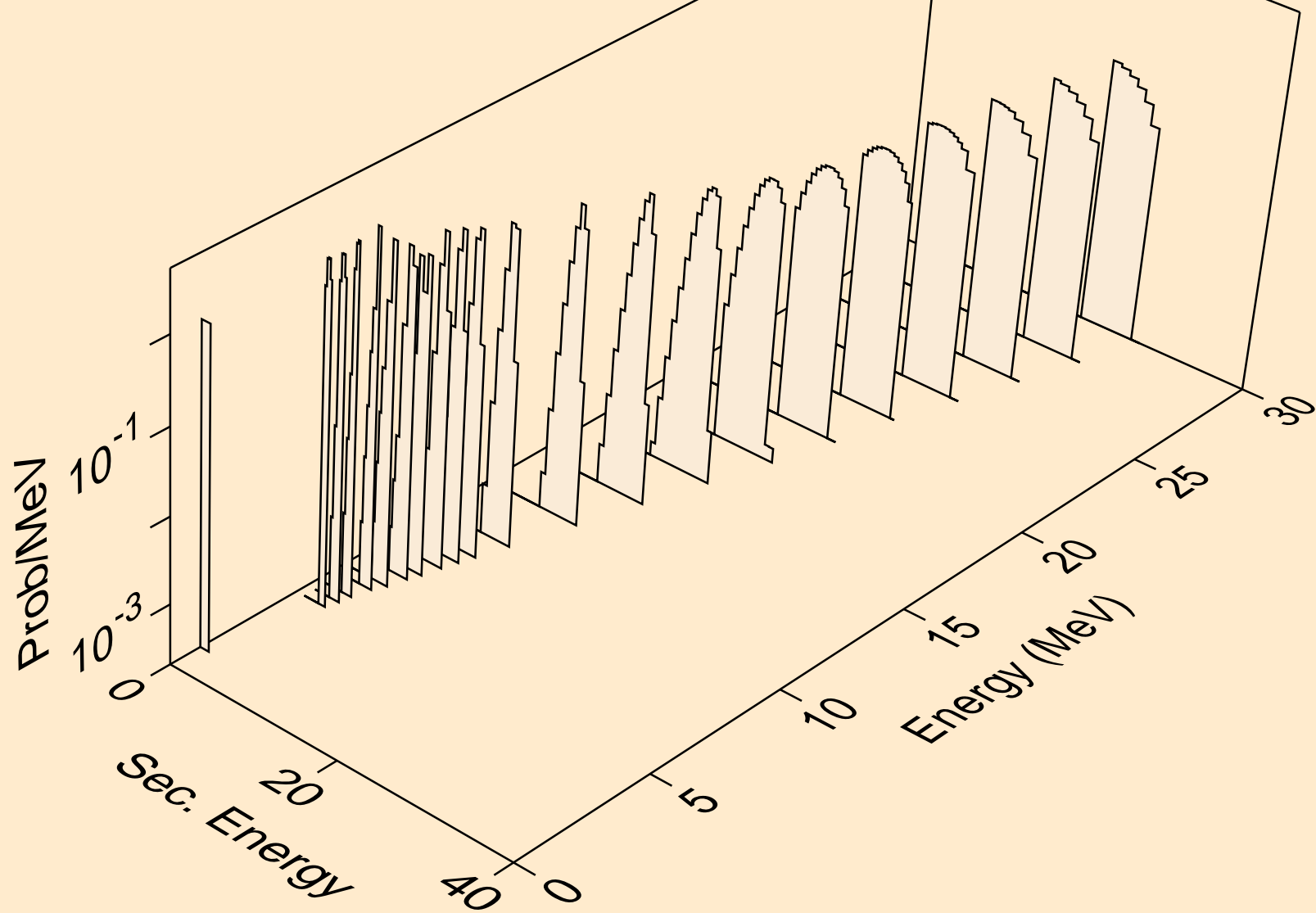
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tritons from (n,n\*)t



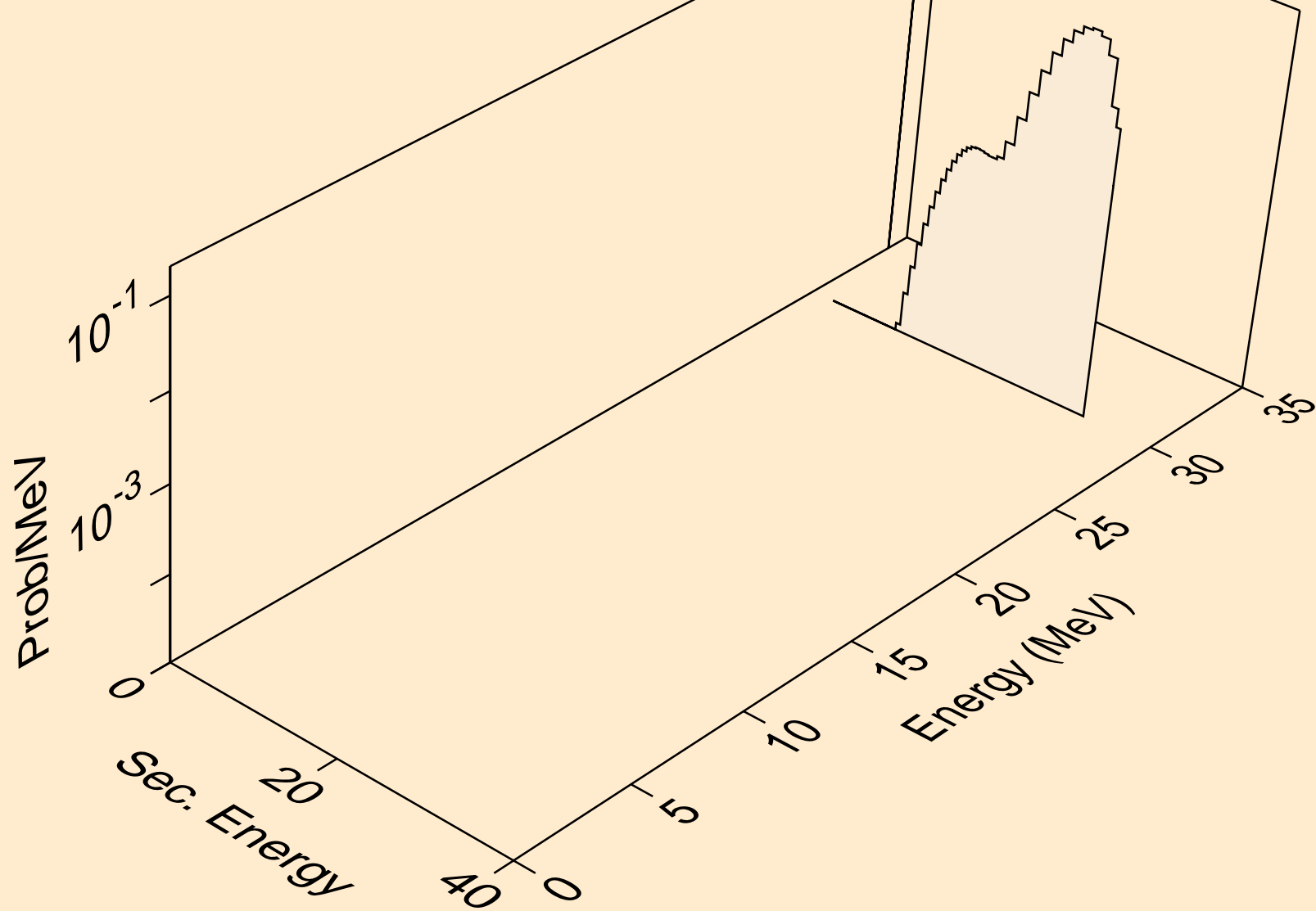
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tritons from (n,n\*)t2a



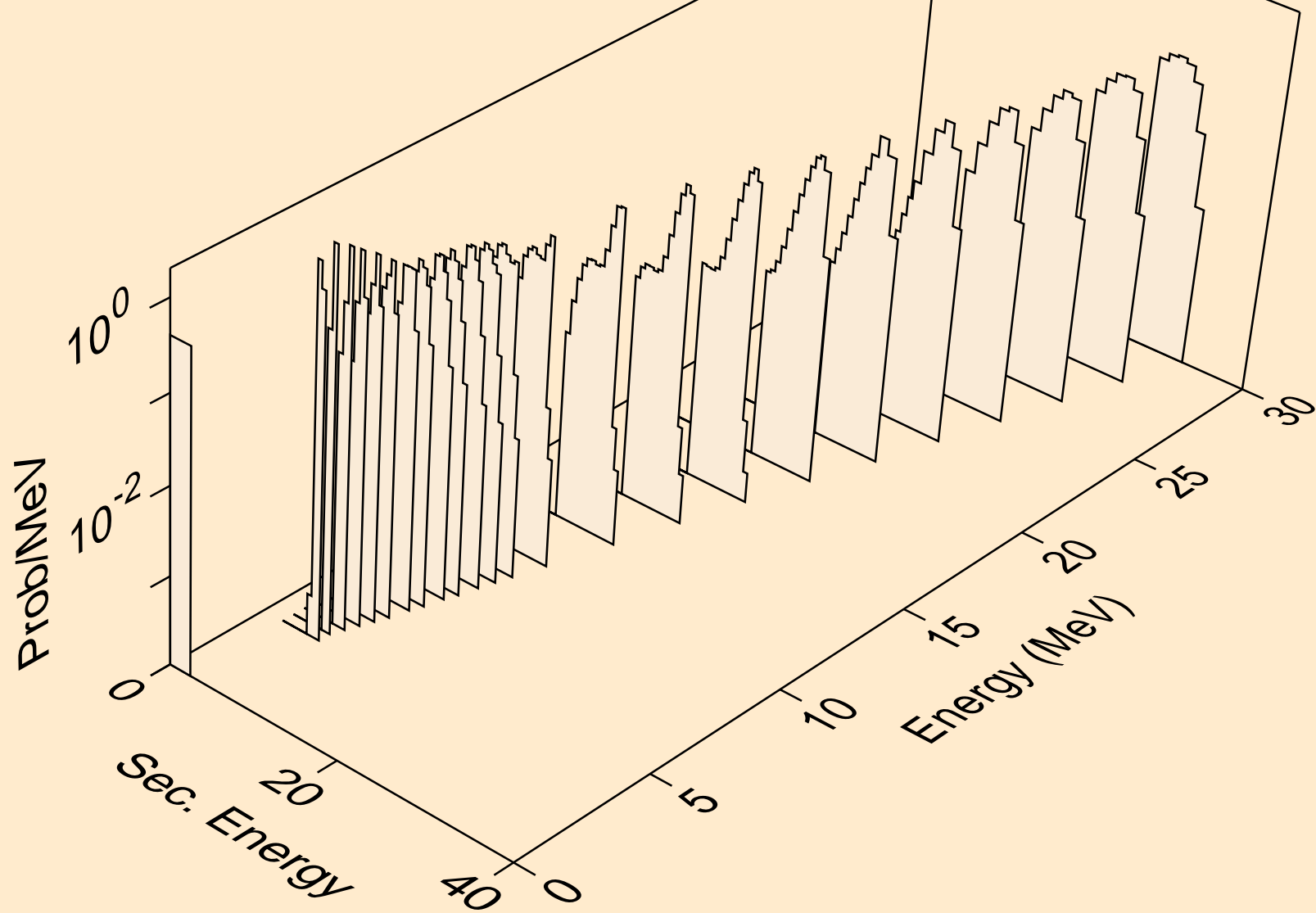
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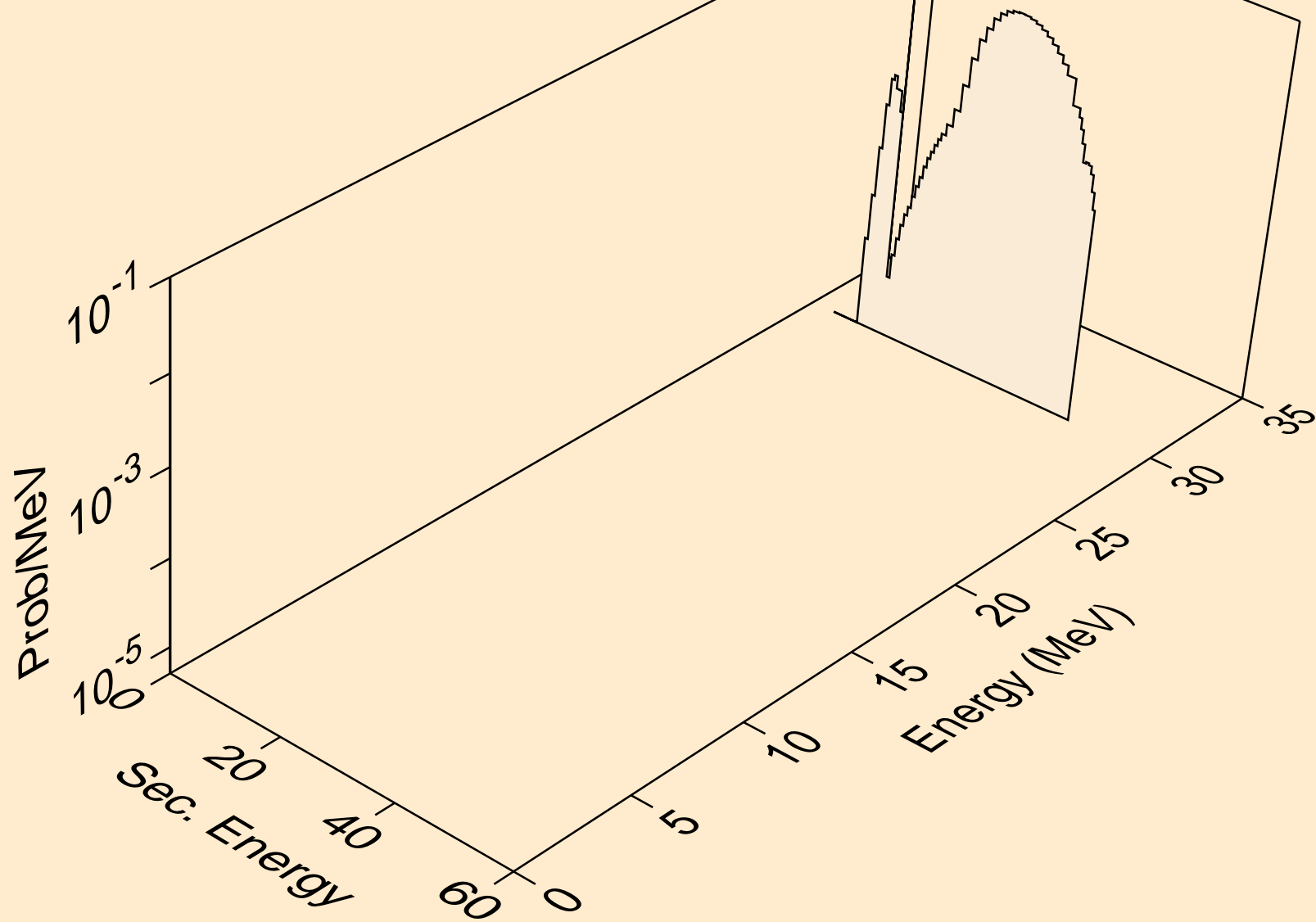
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he3s from (n,x)



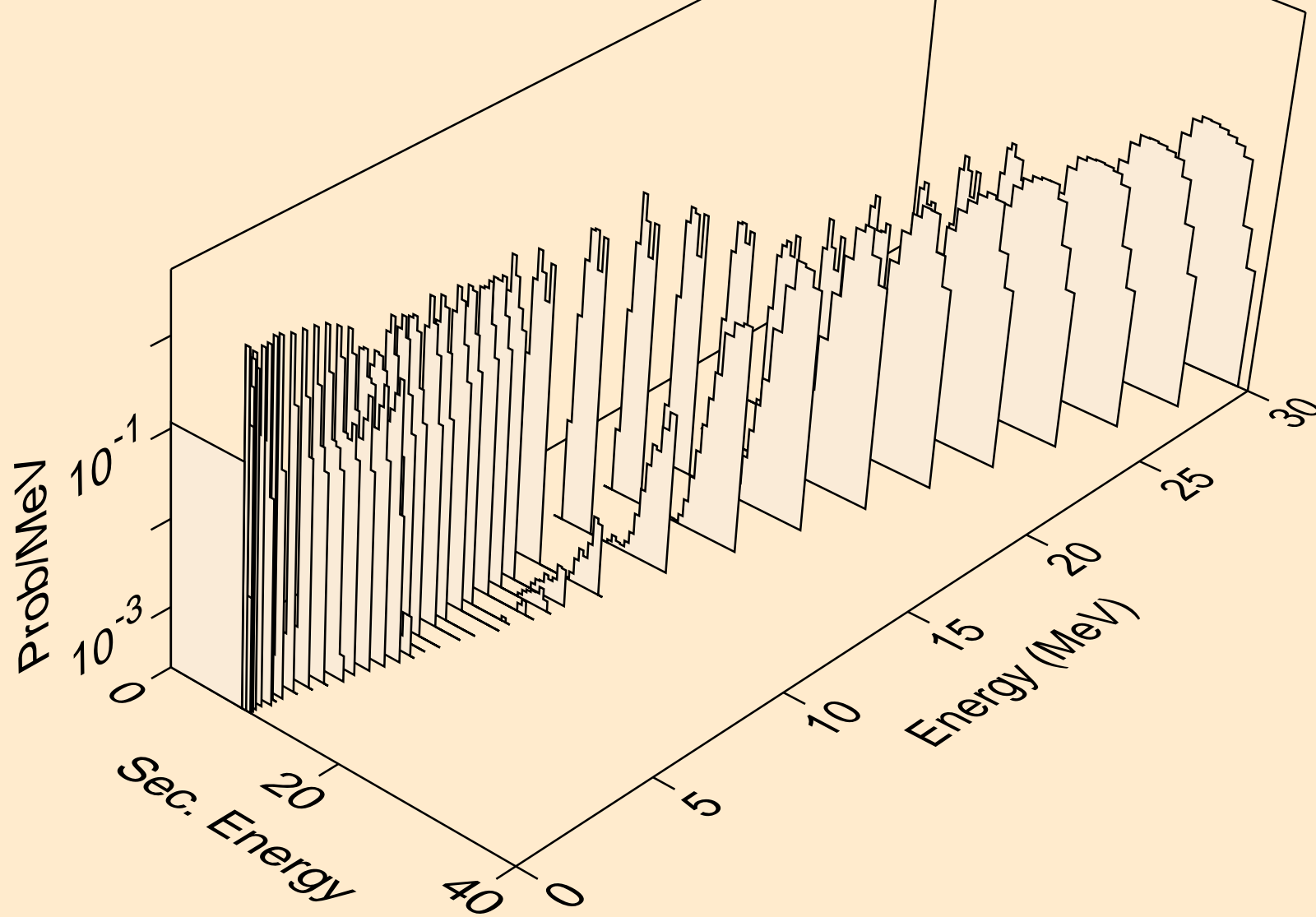
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he3s from (n,he3)



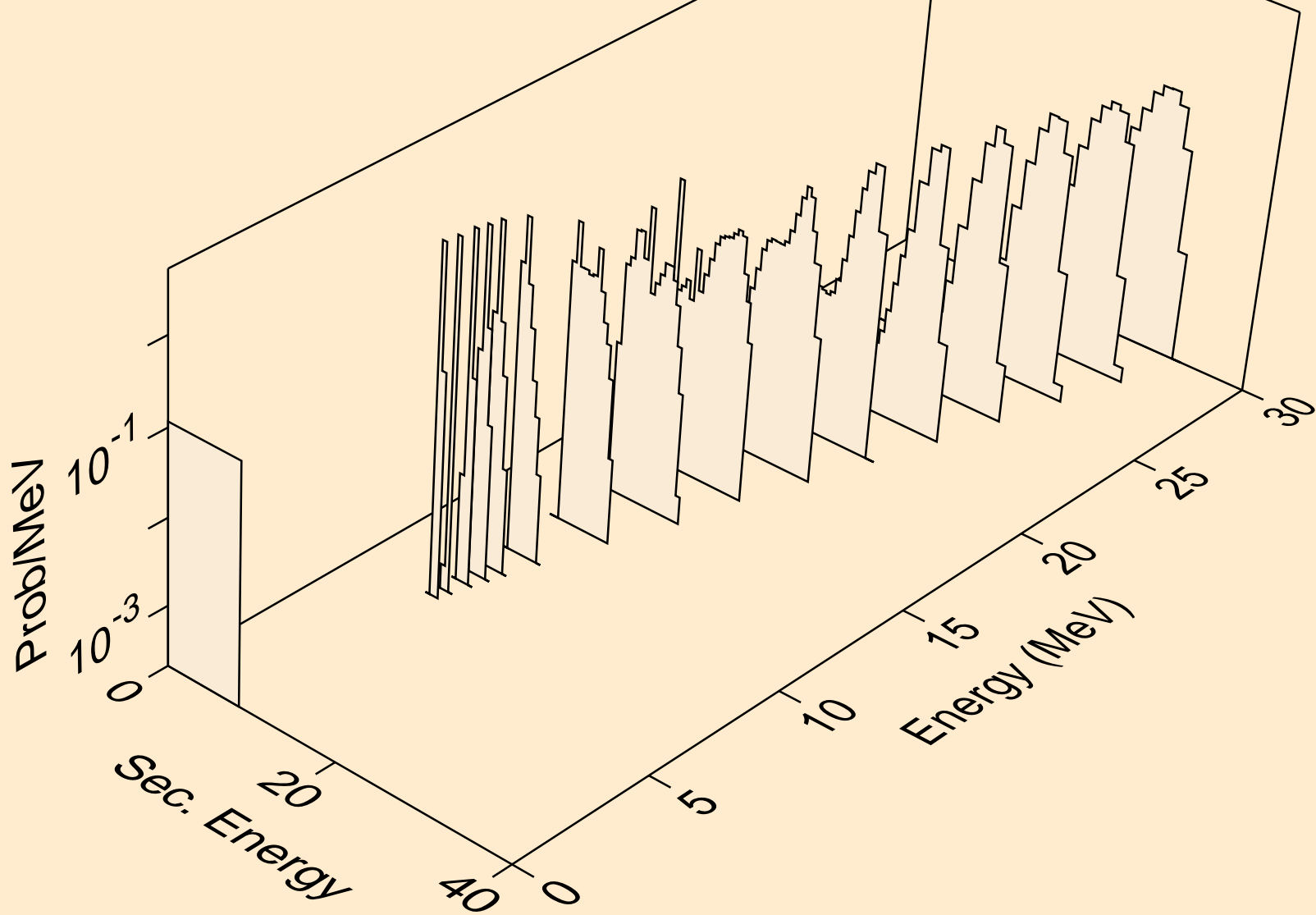
RF255 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,x)



RF255 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,n\*)a

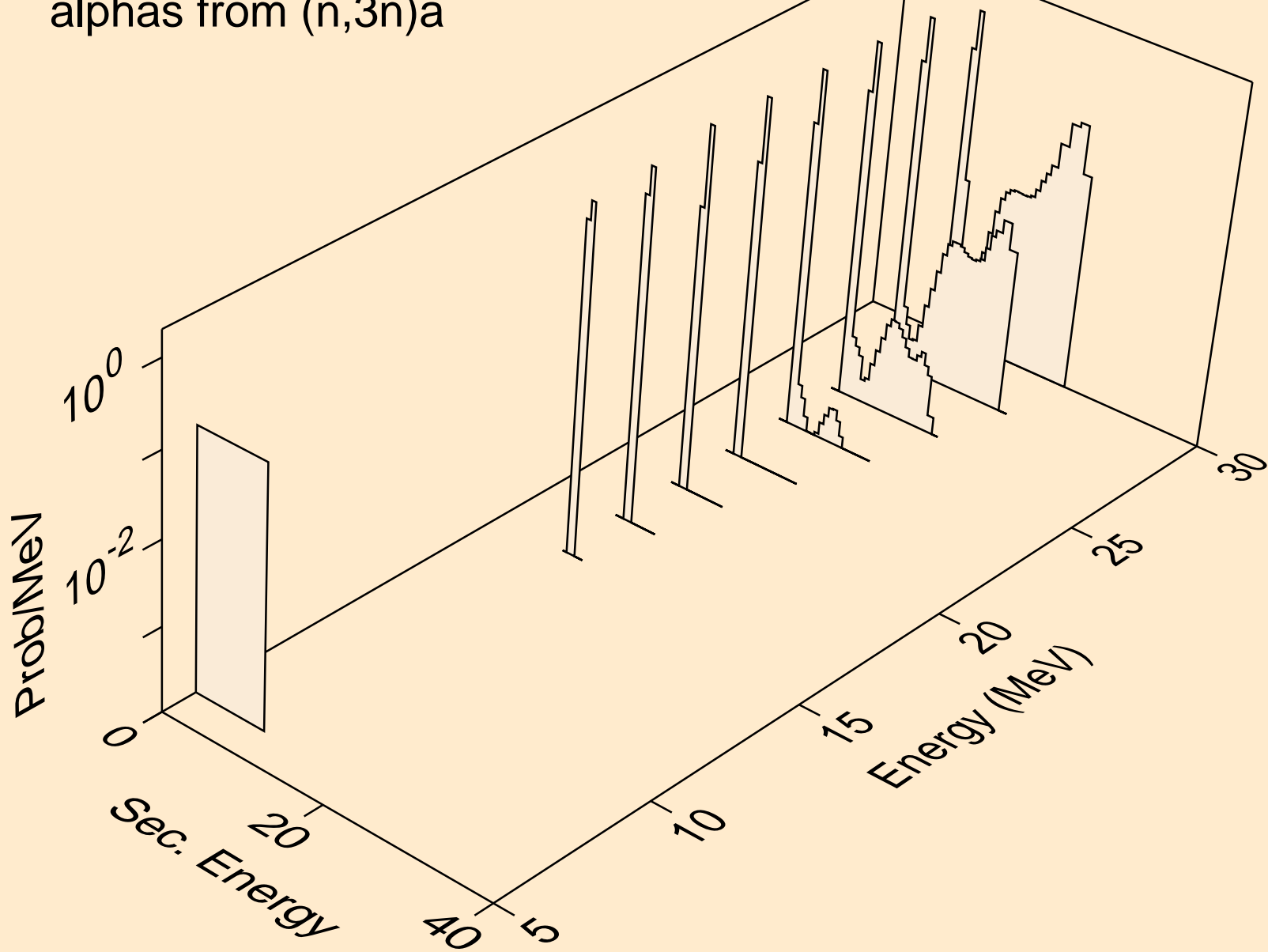


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alphas from (n,2n)a

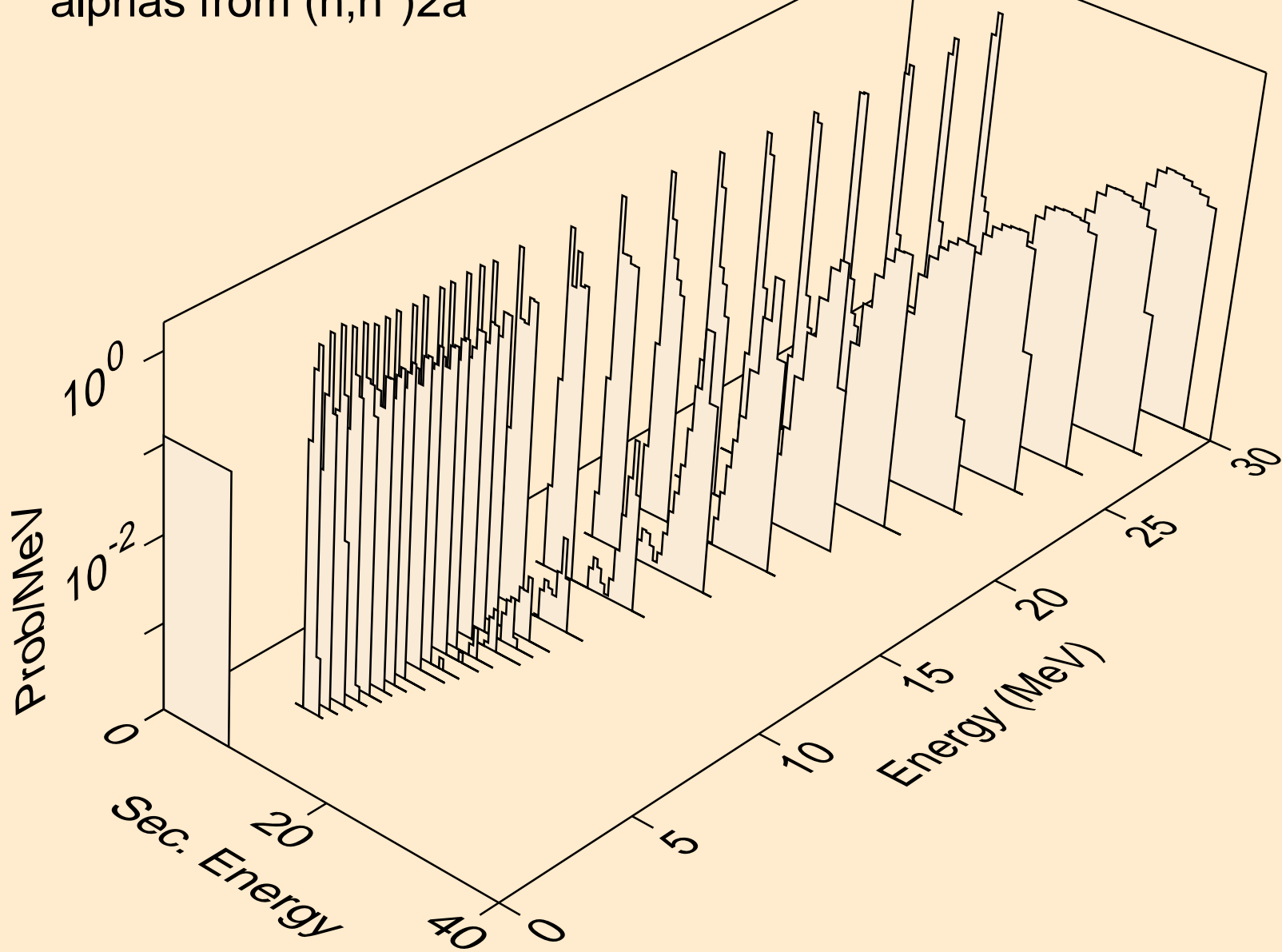




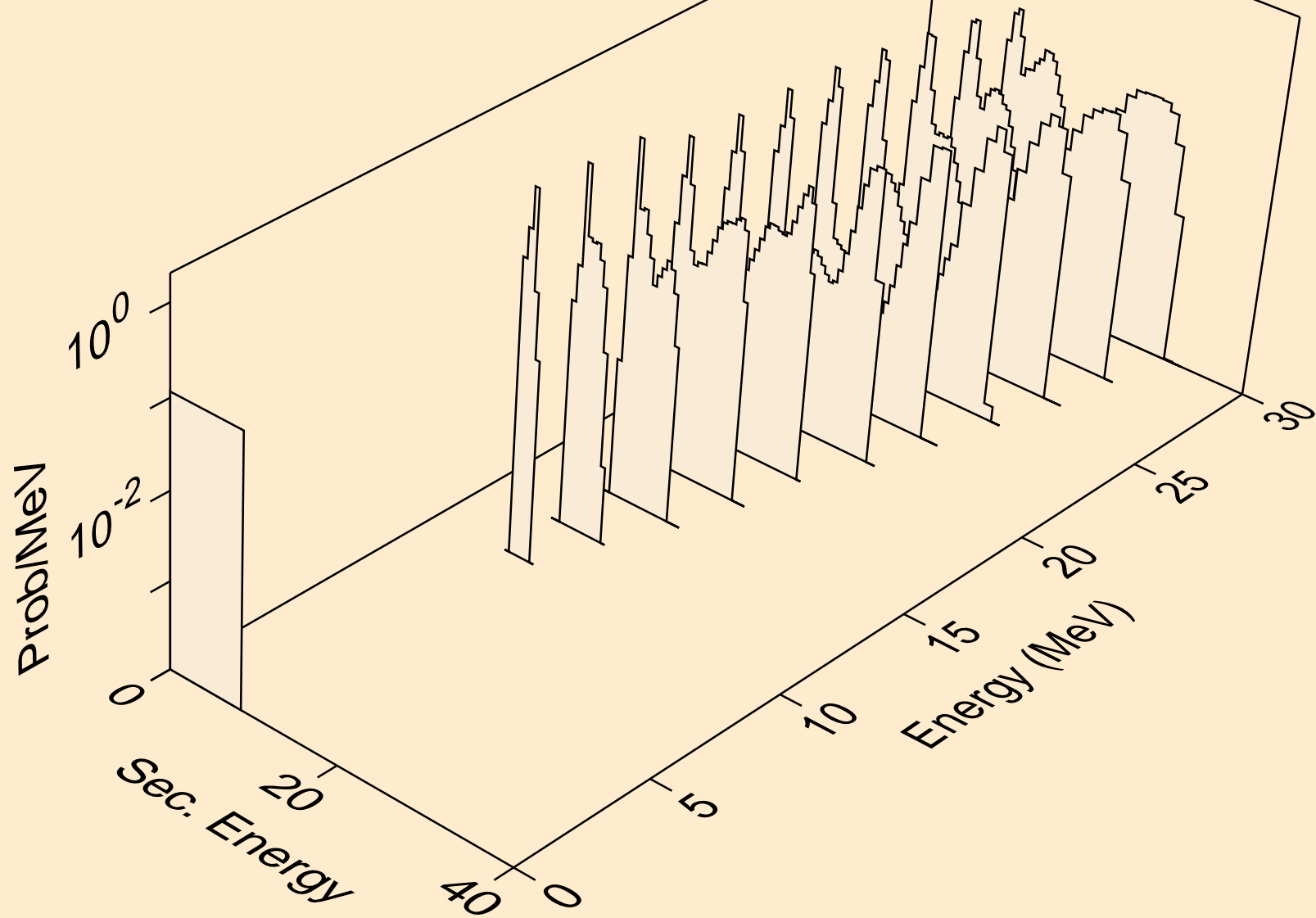
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alphas from (n,3n)a



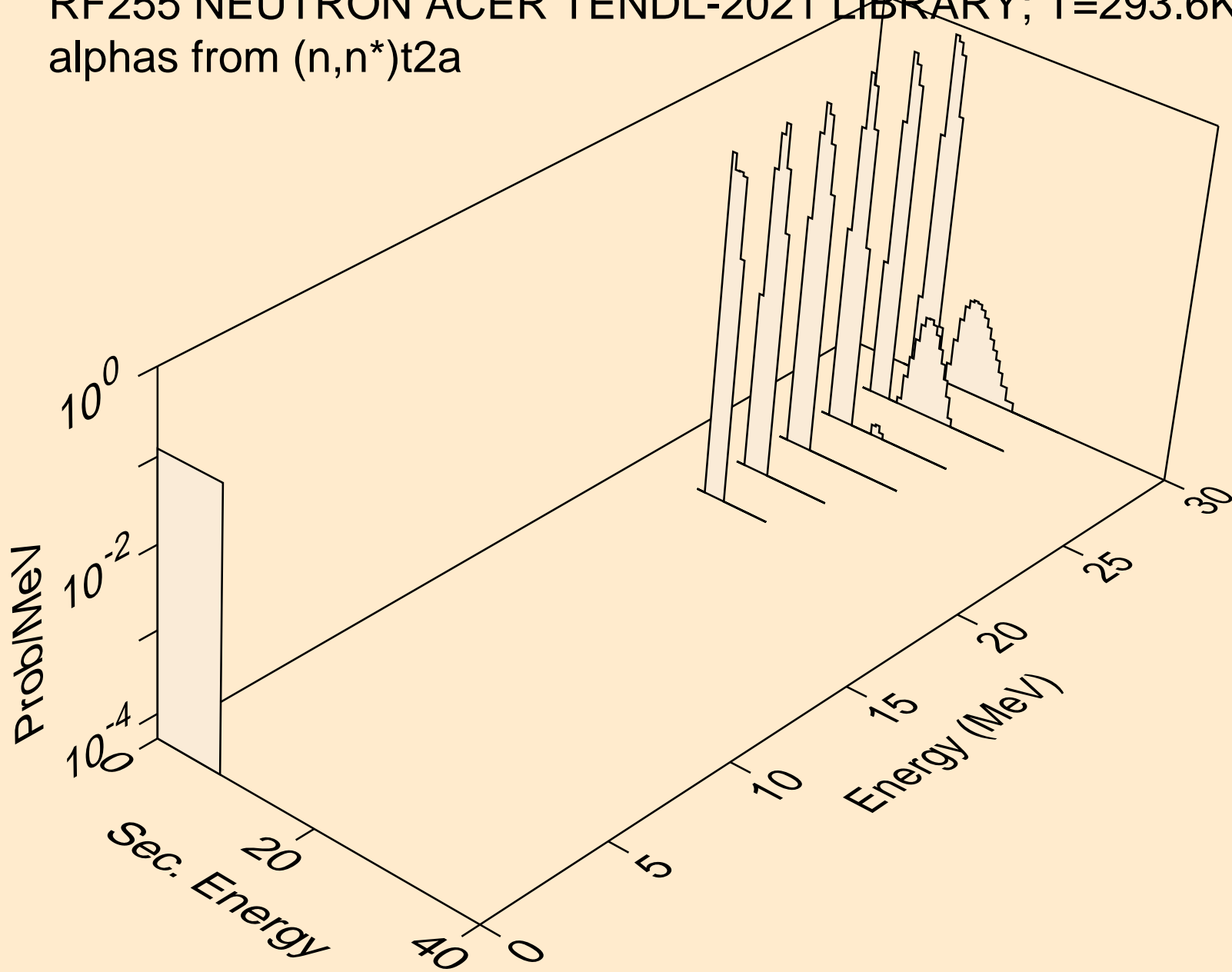
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alphas from (n,n\*)2a



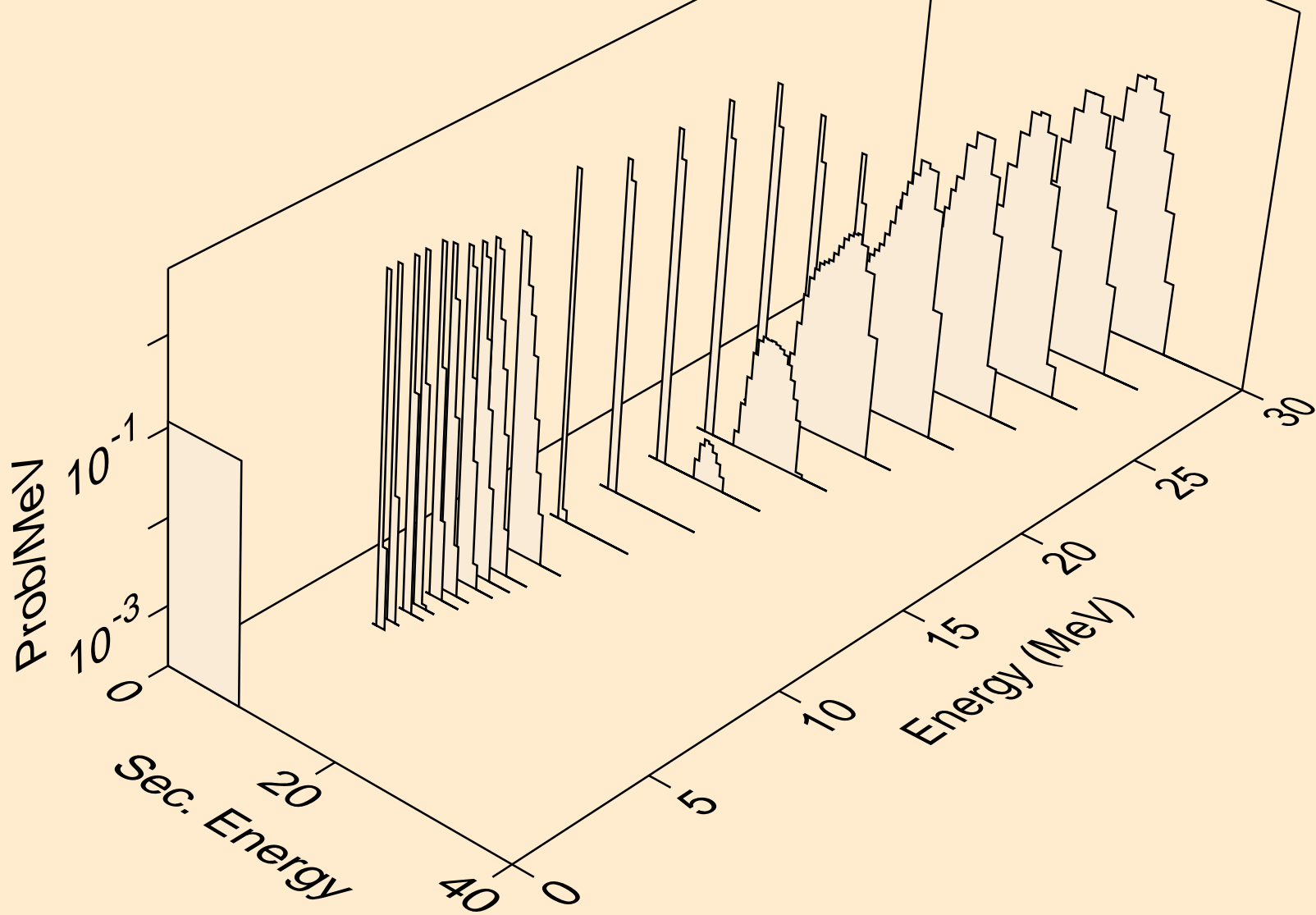
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alphas from (n,2n)2a



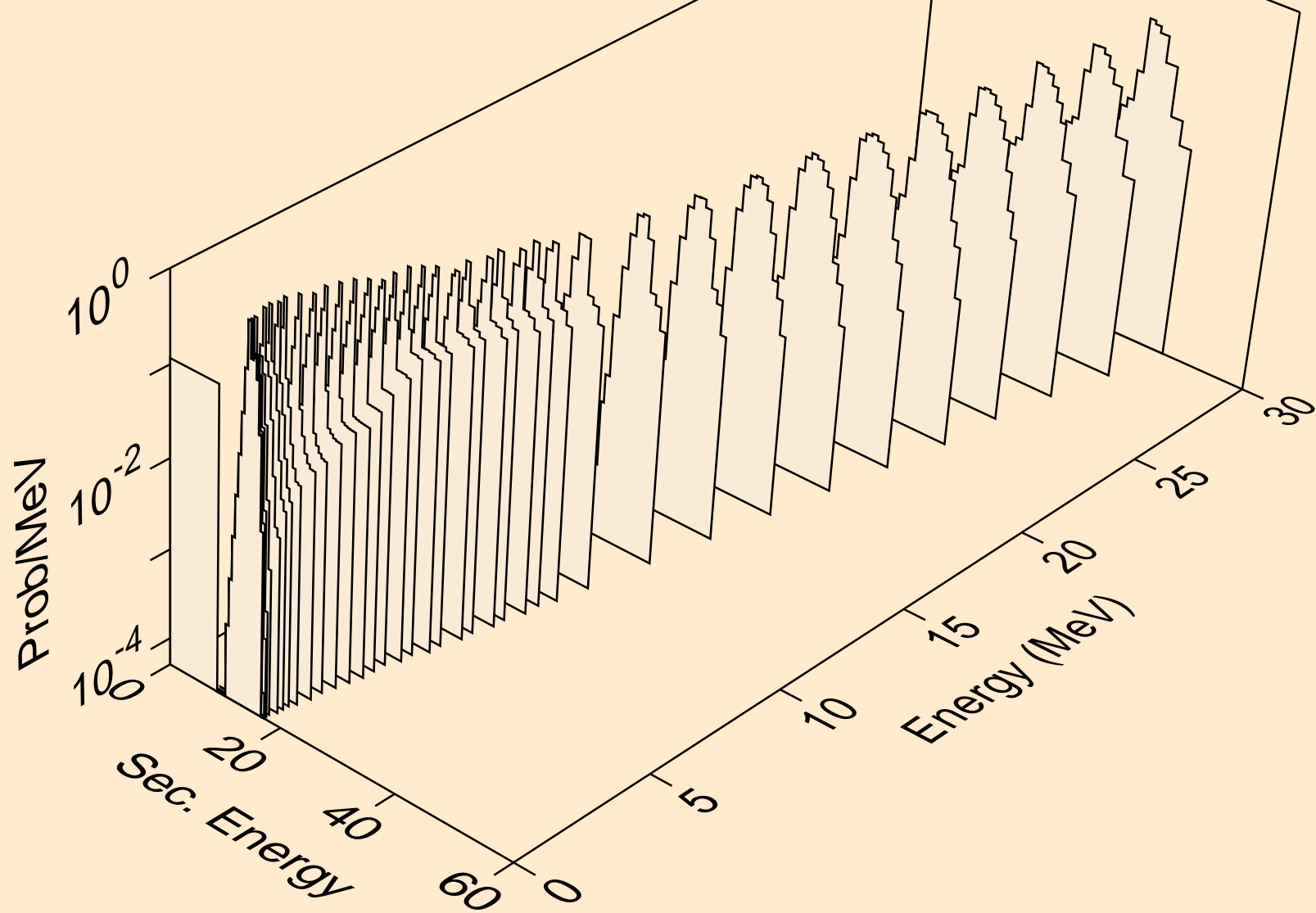
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alphas from (n,n\*)t2a



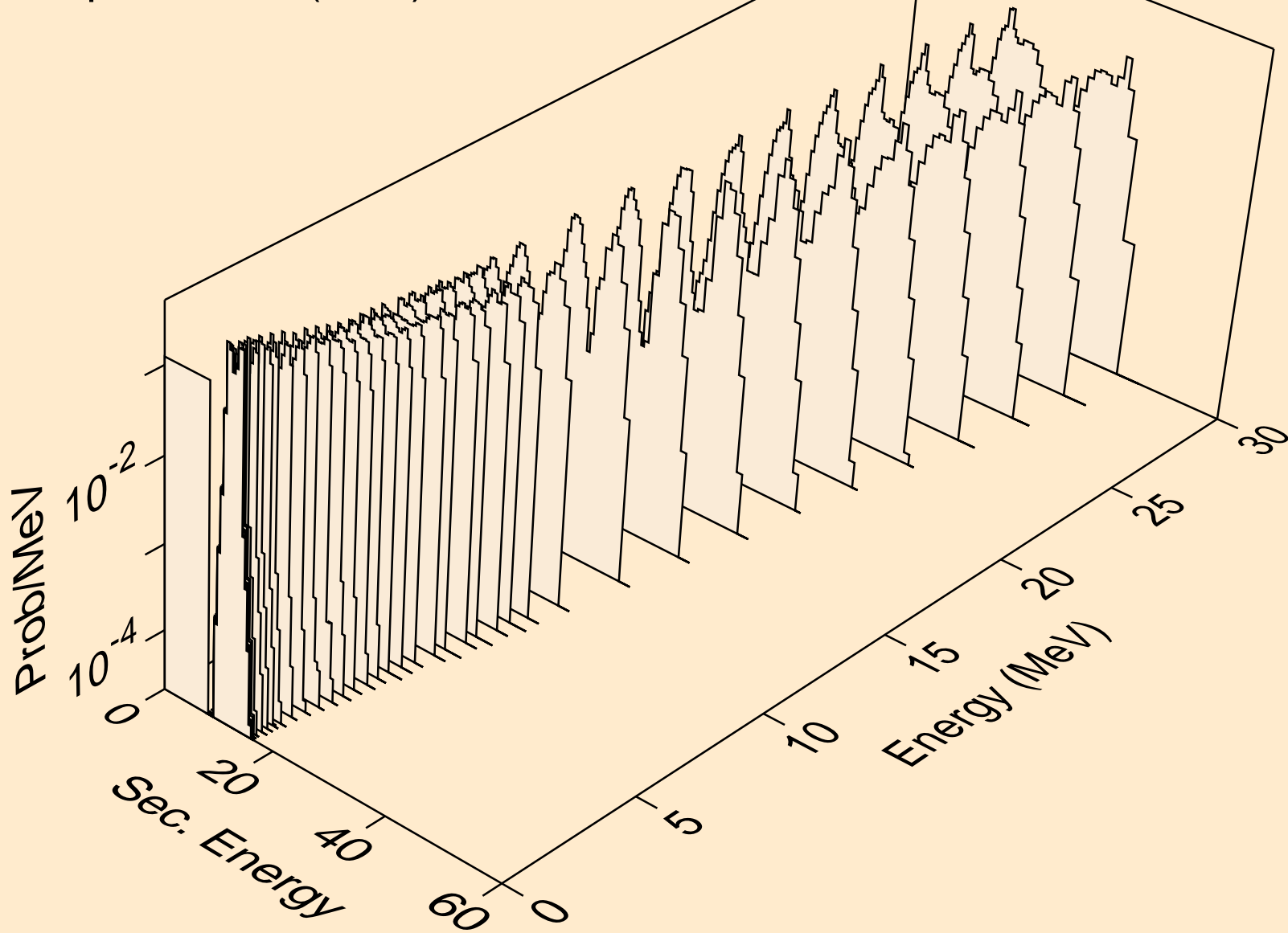
RF255 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,npa)



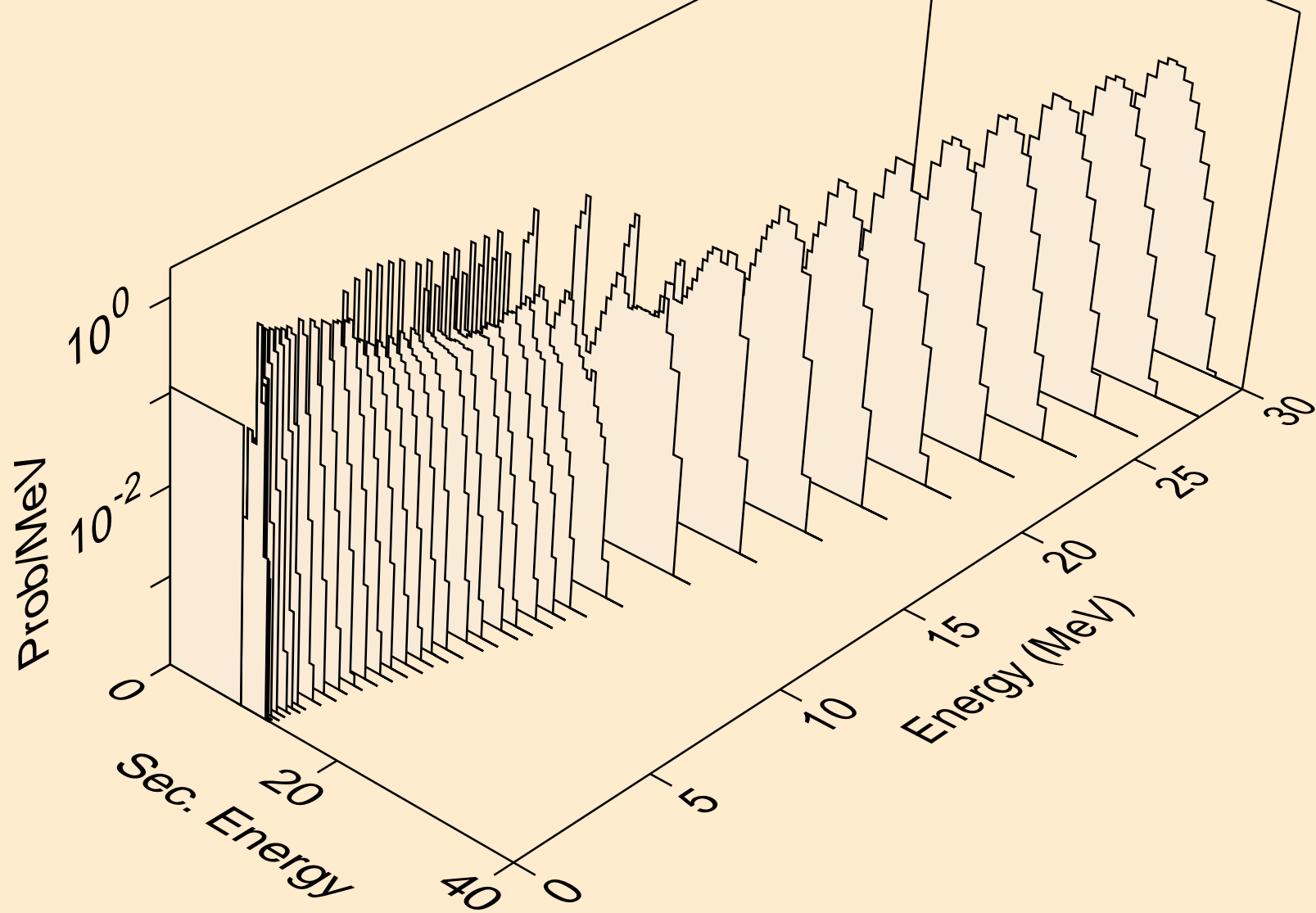
RF255 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,a)



RF255 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2a)



RF255 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,p)





RF255 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,da)

