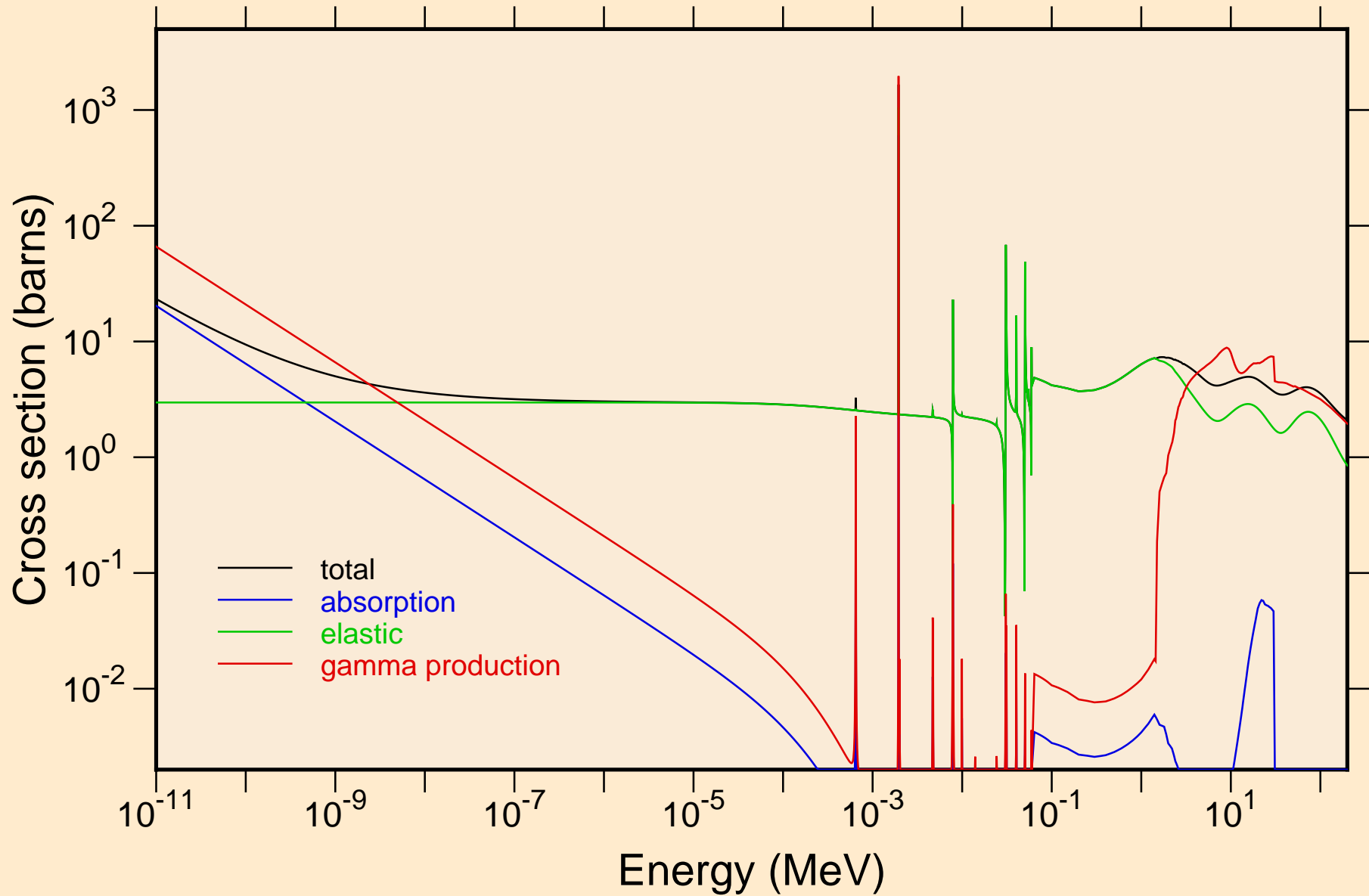
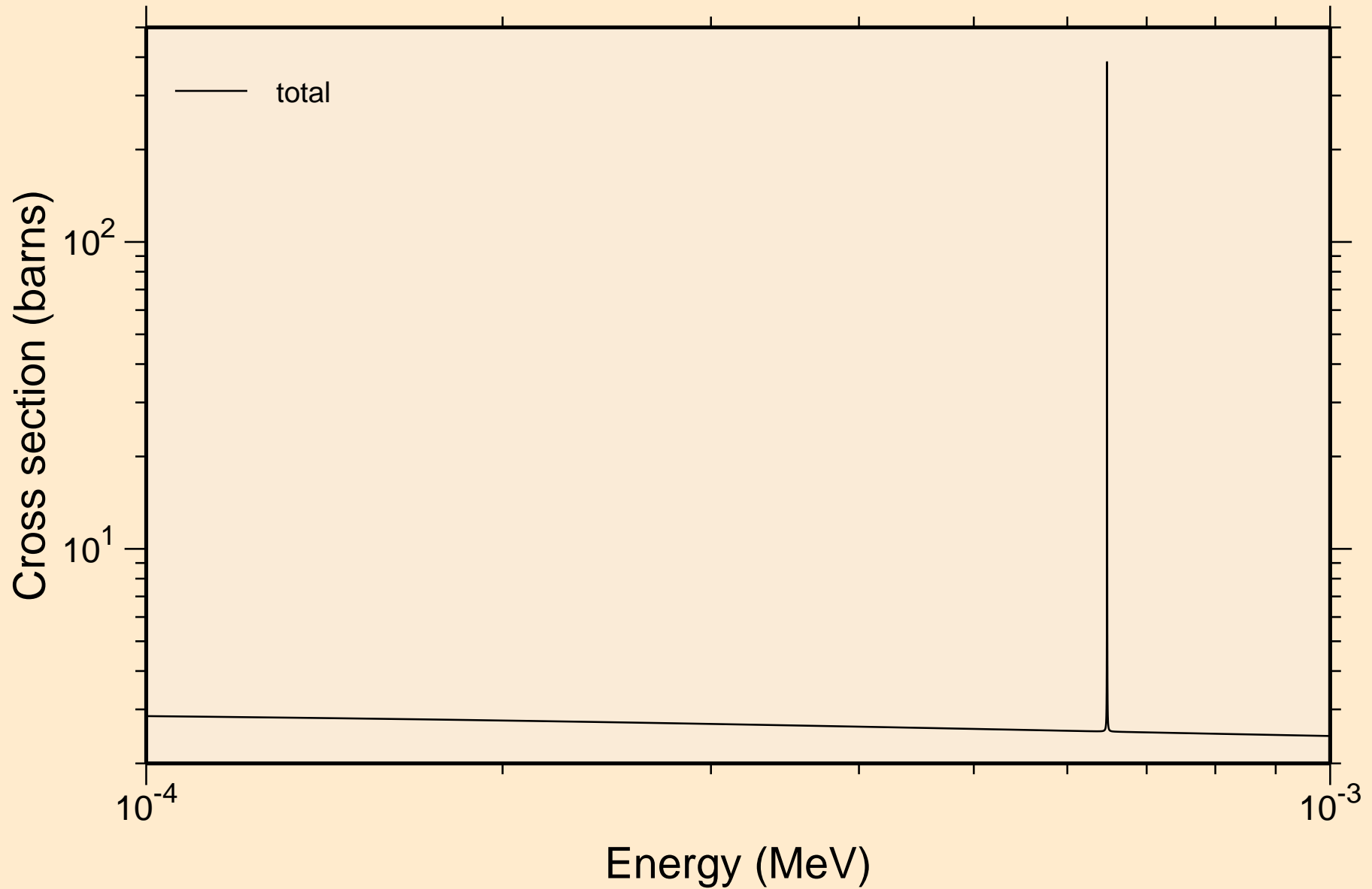


# BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

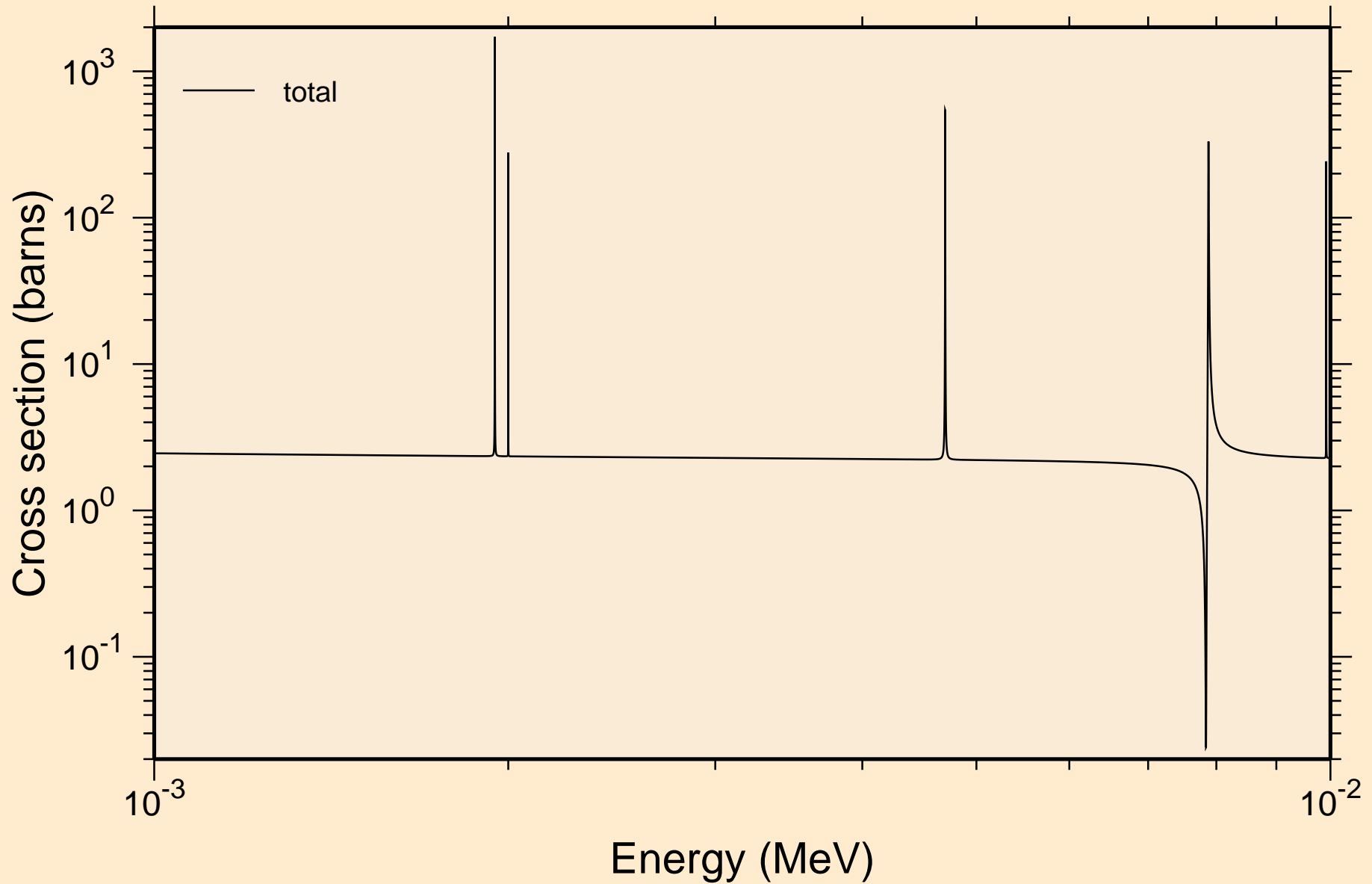
## Principal cross sections



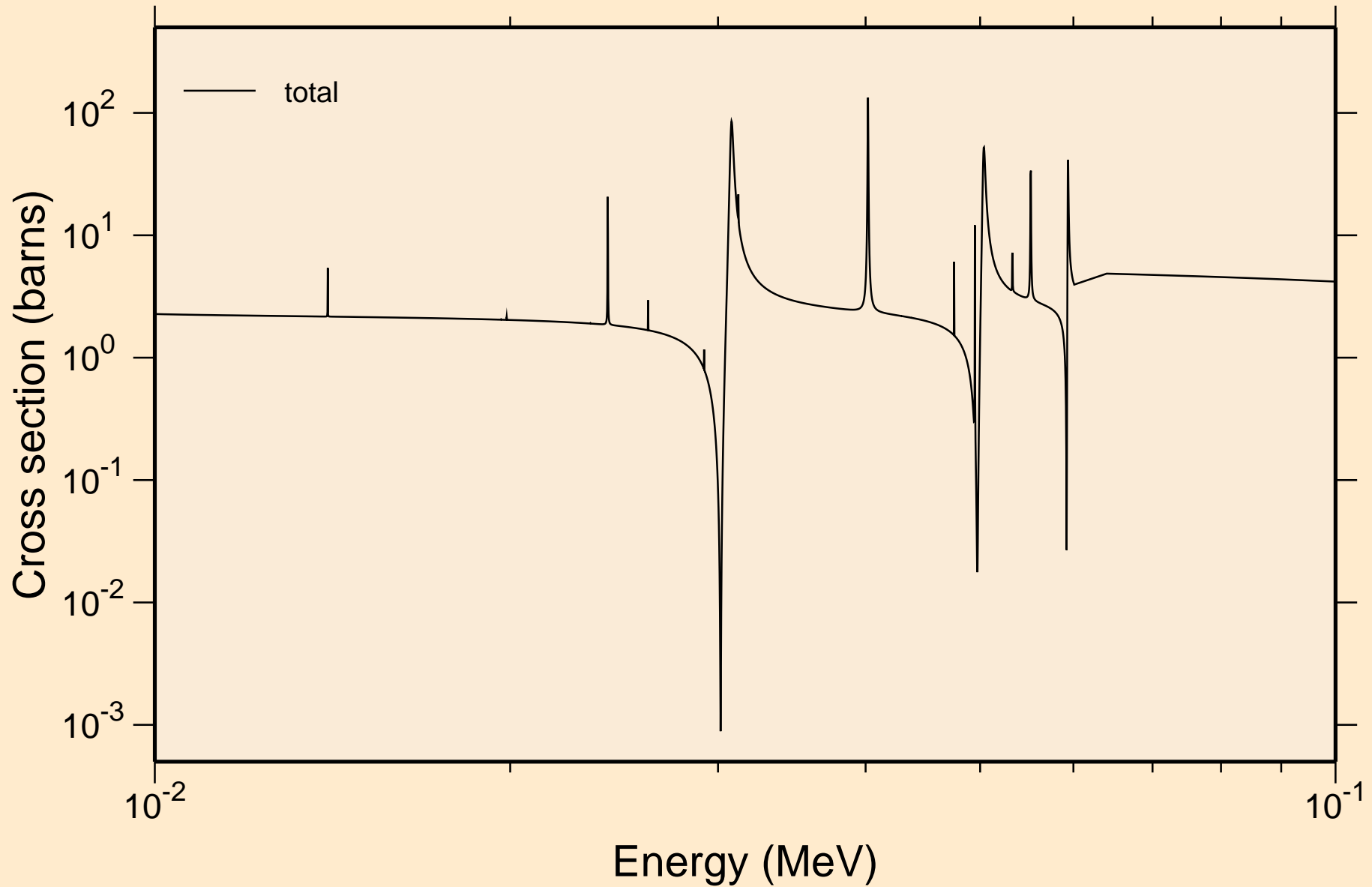
BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



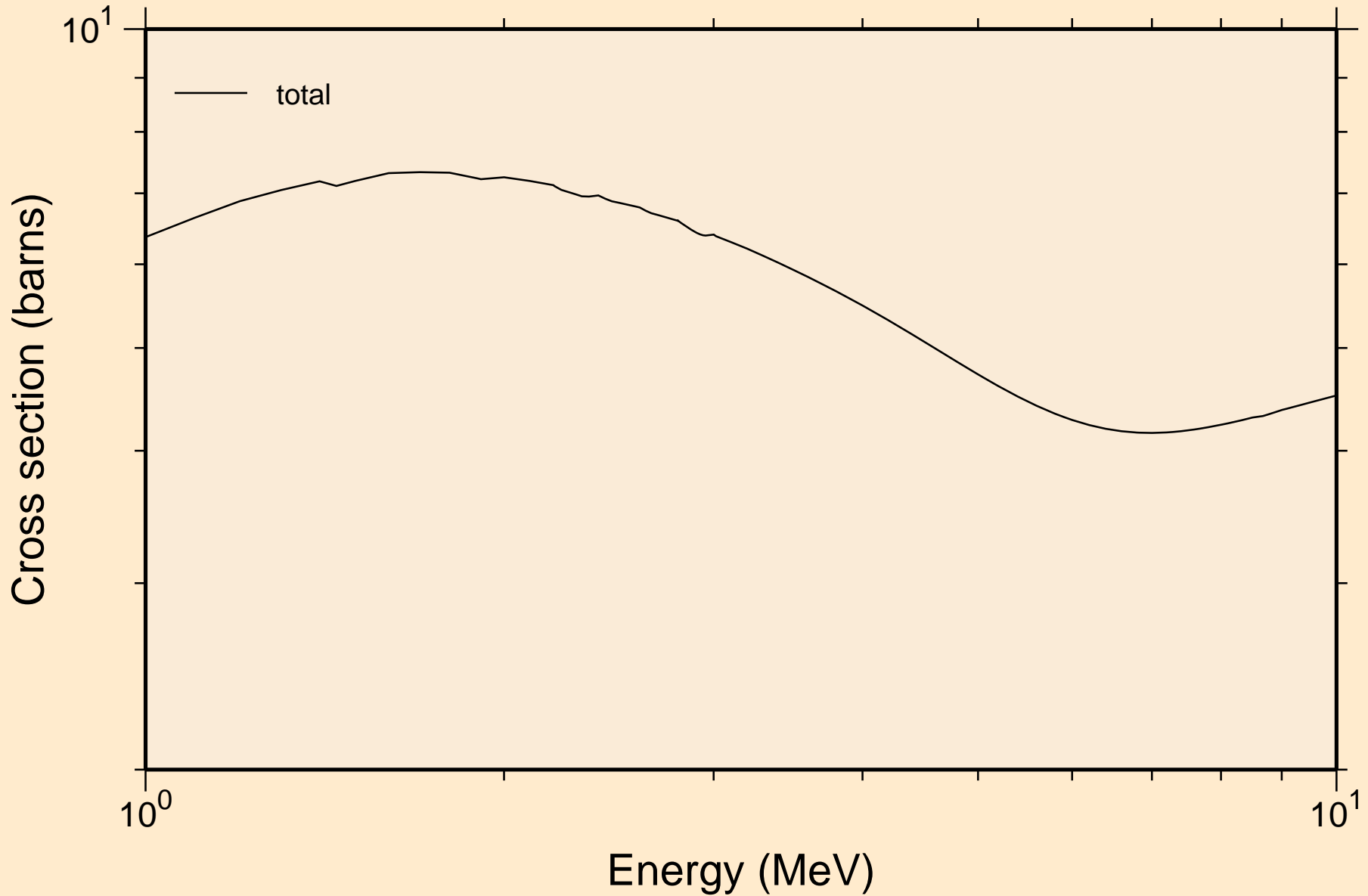
BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



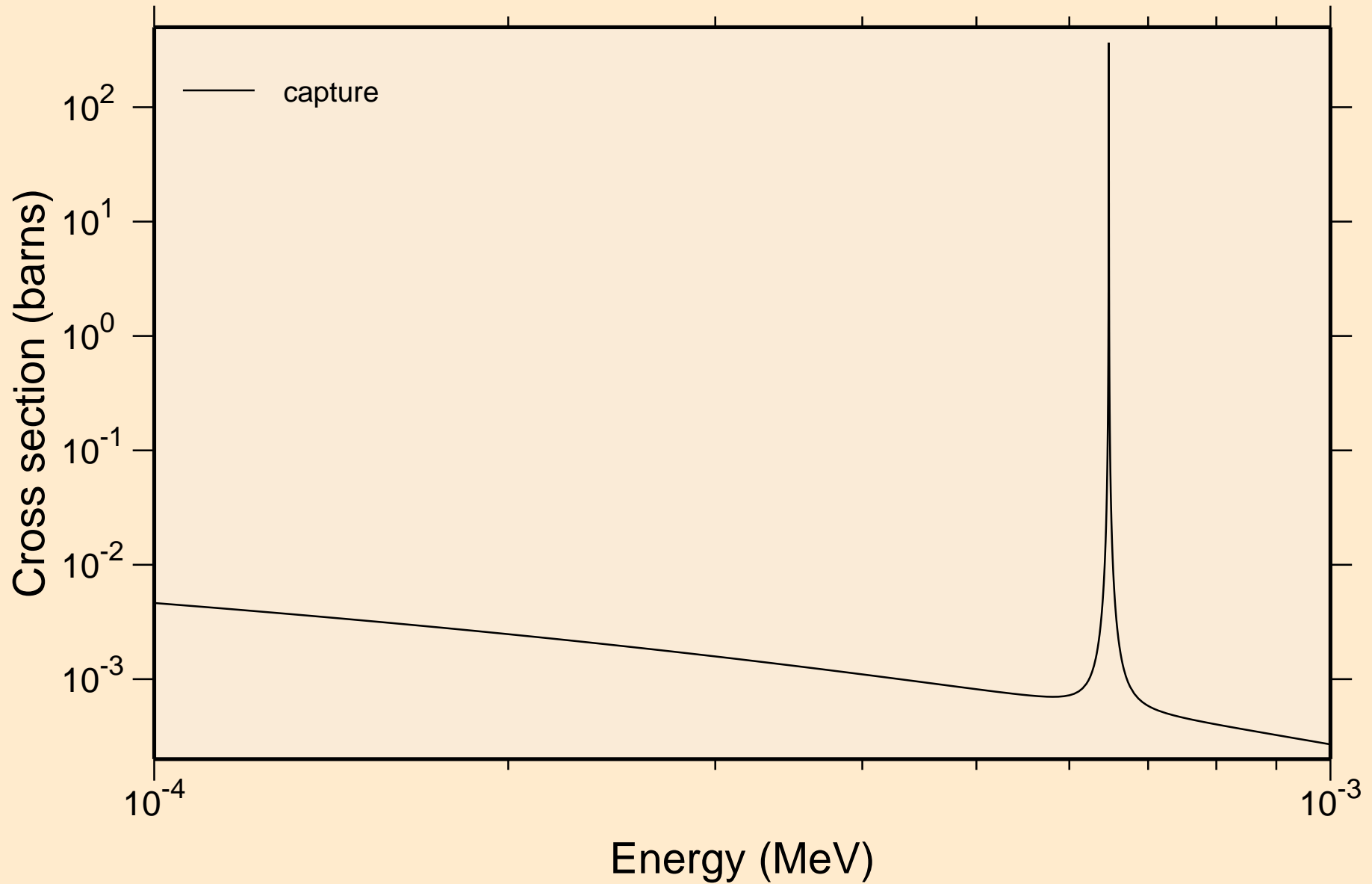
BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



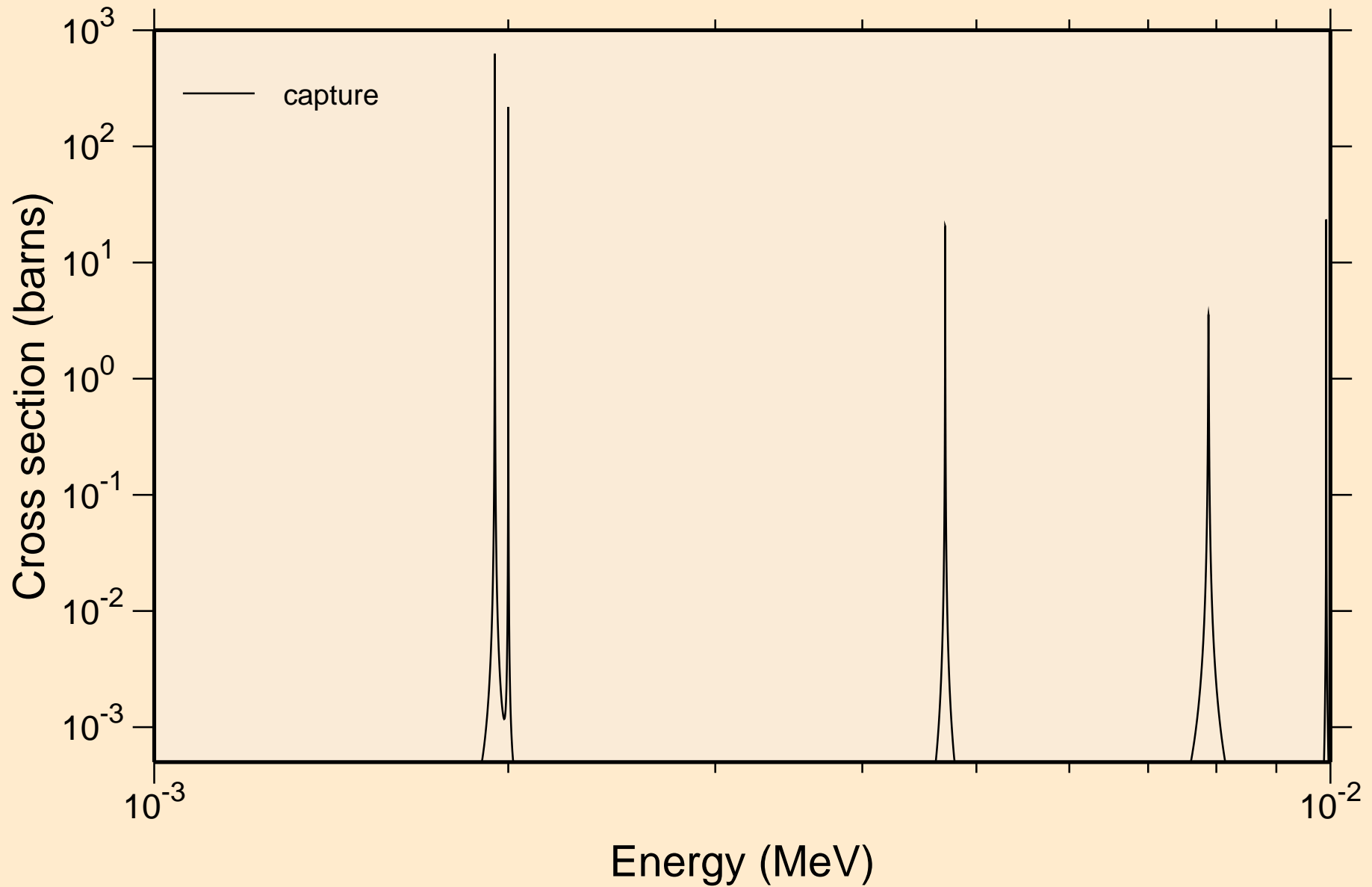
BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



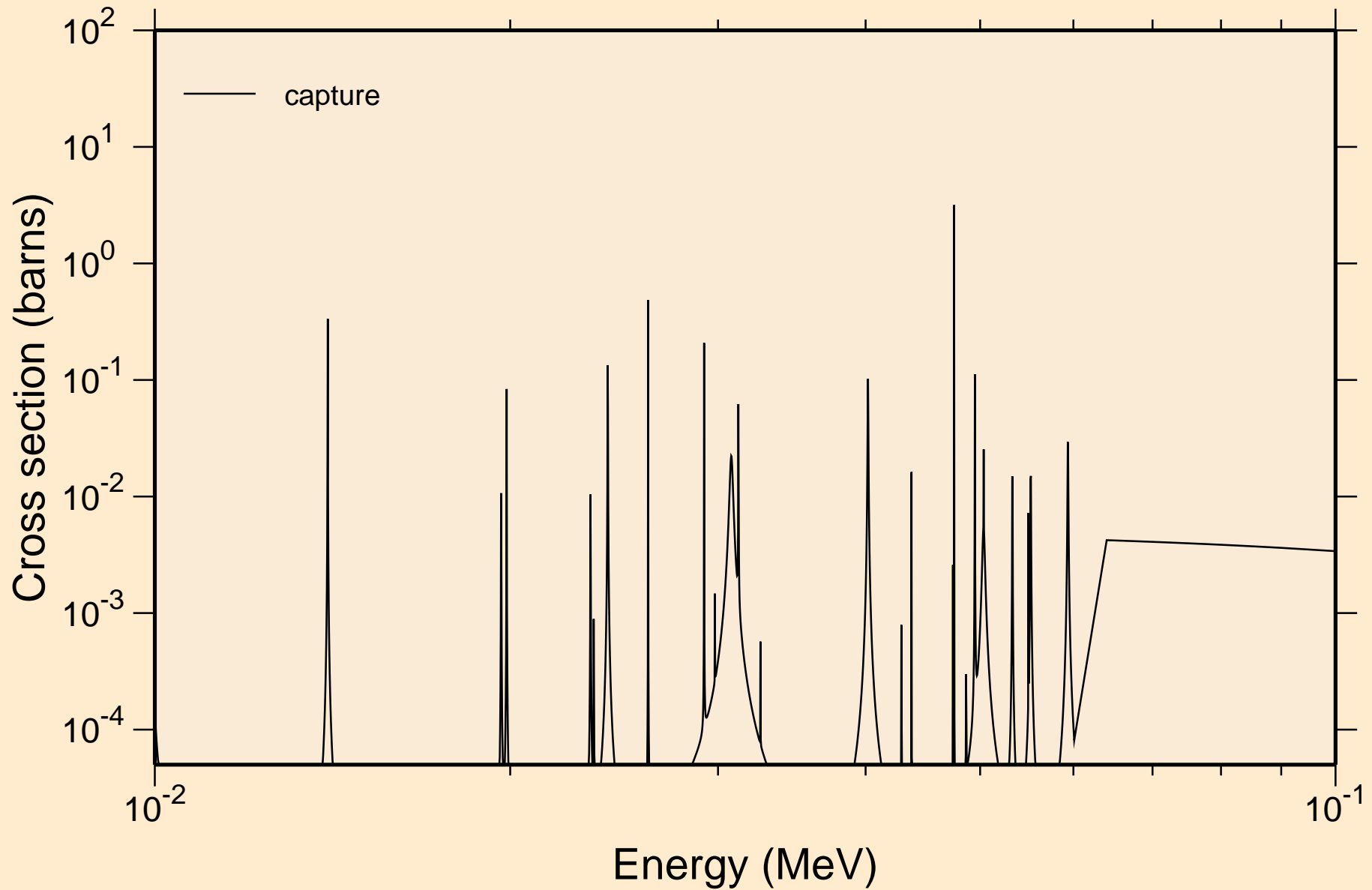
BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

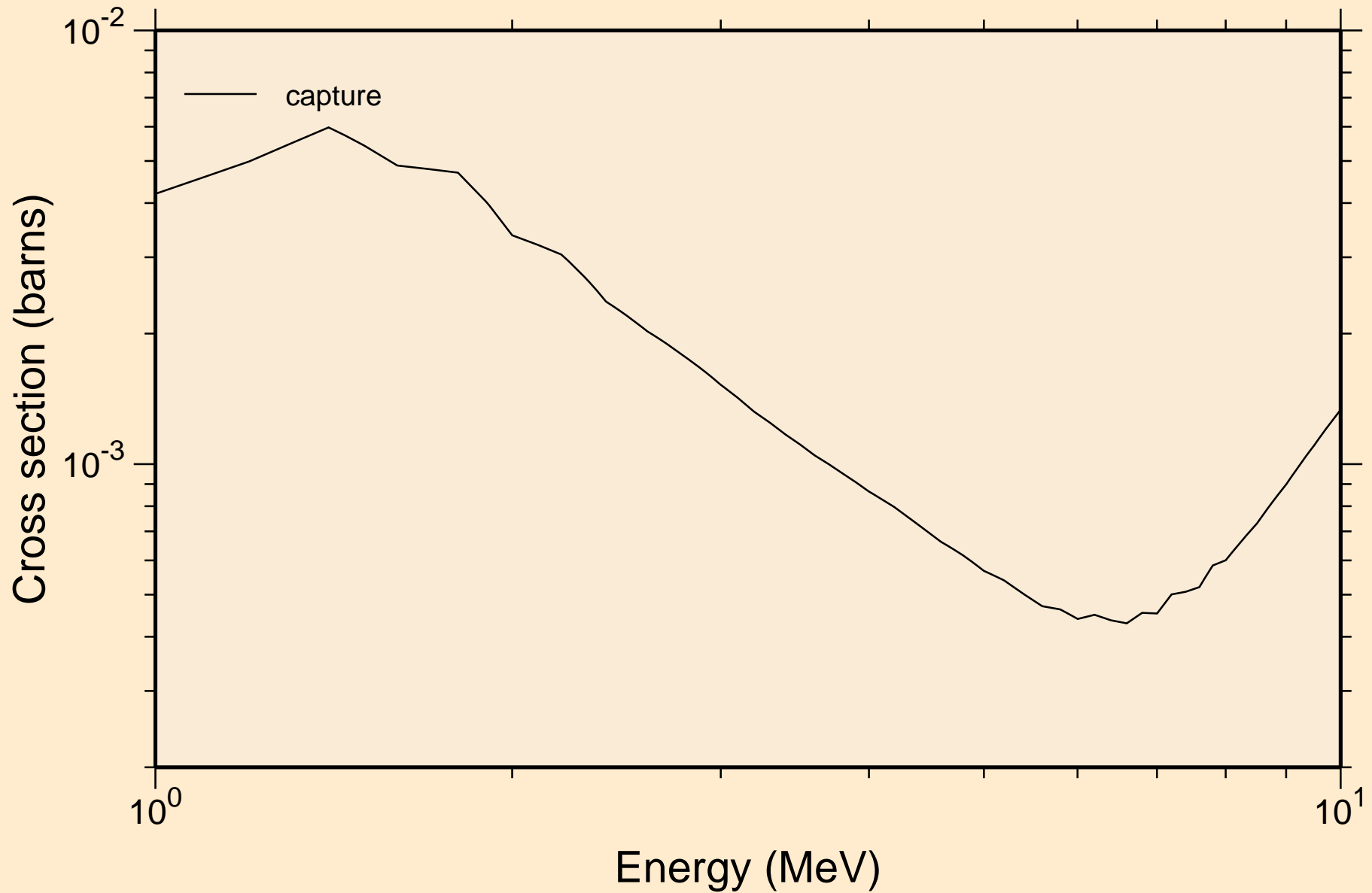


BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

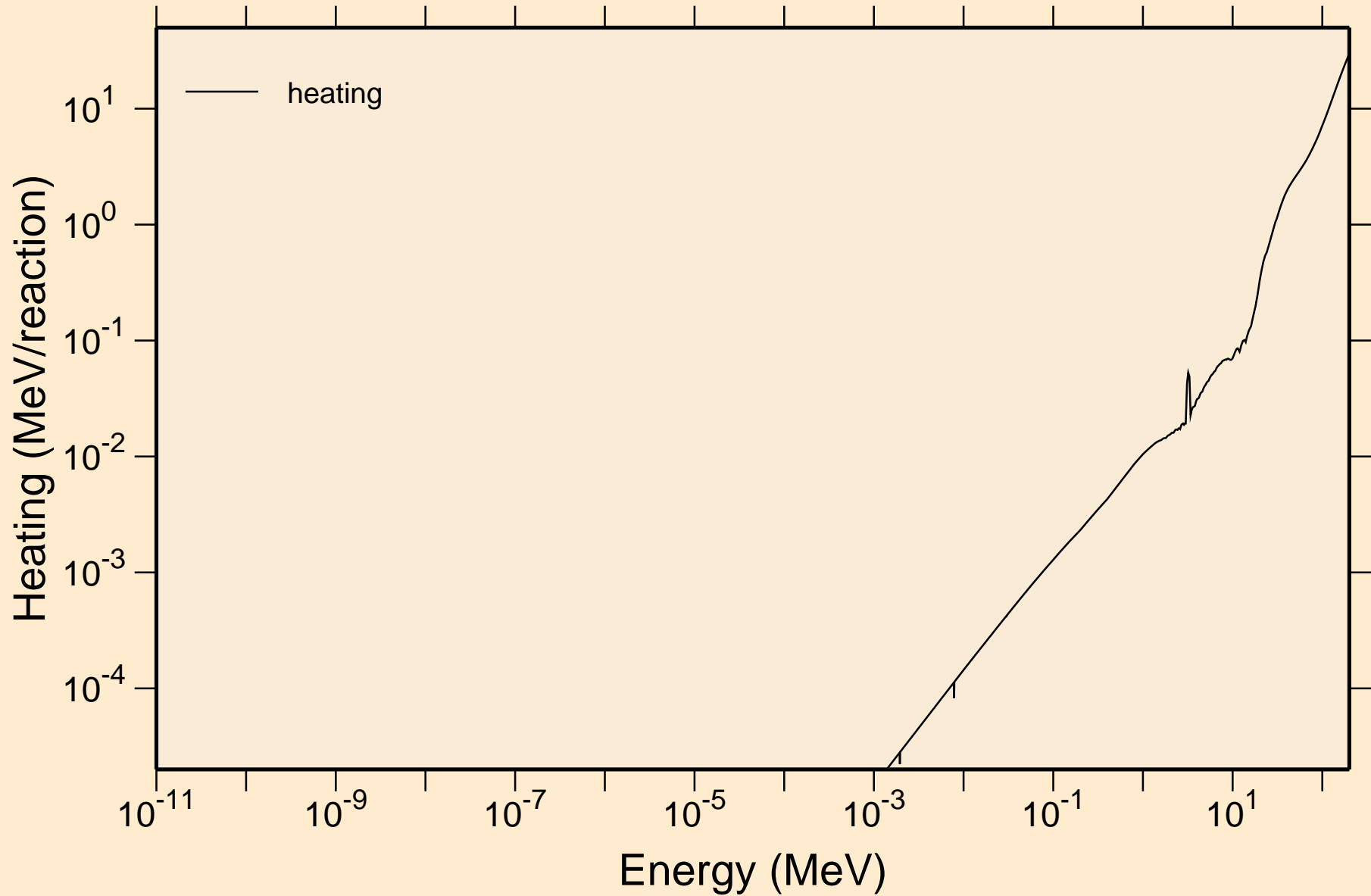




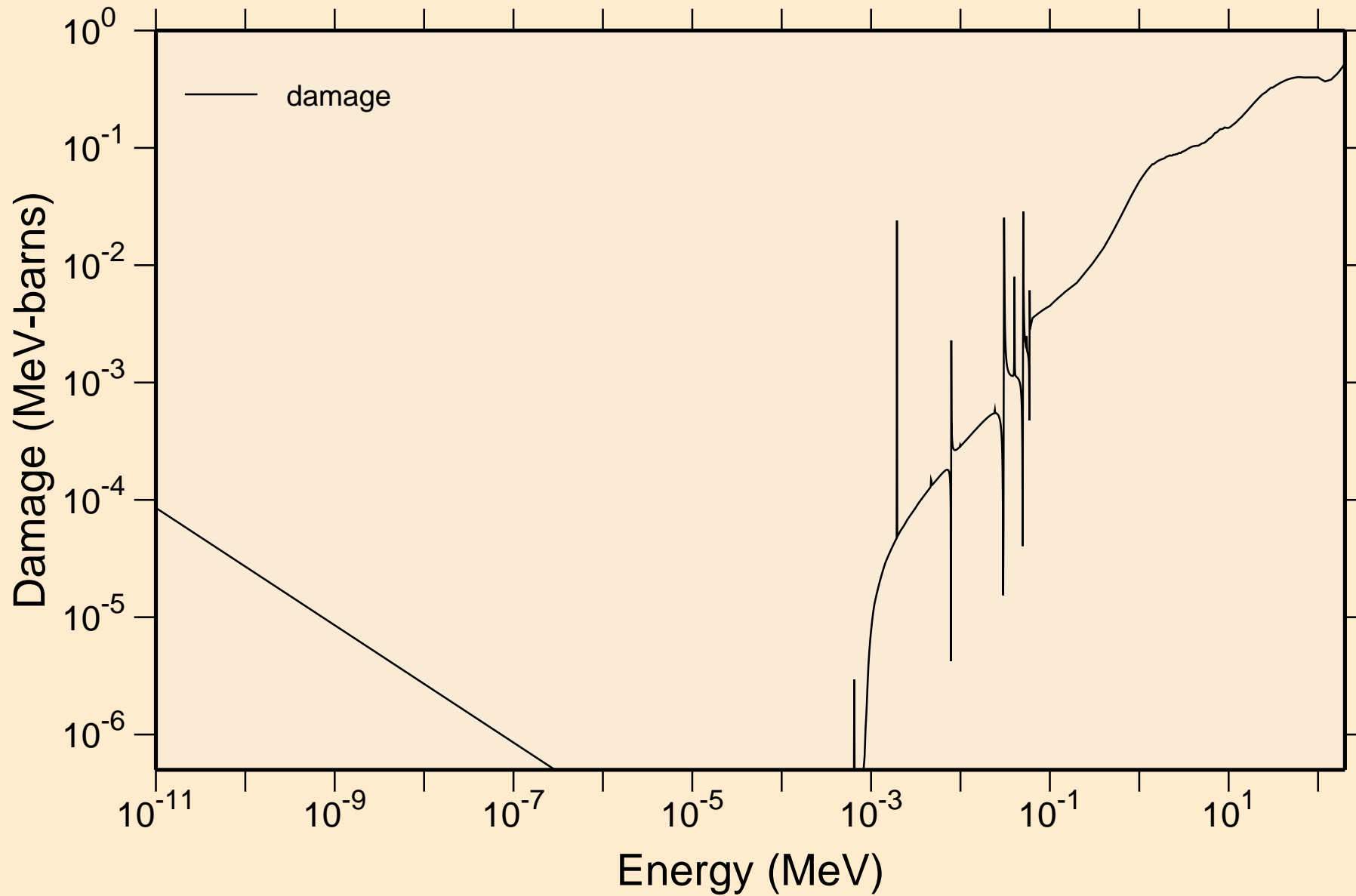
BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



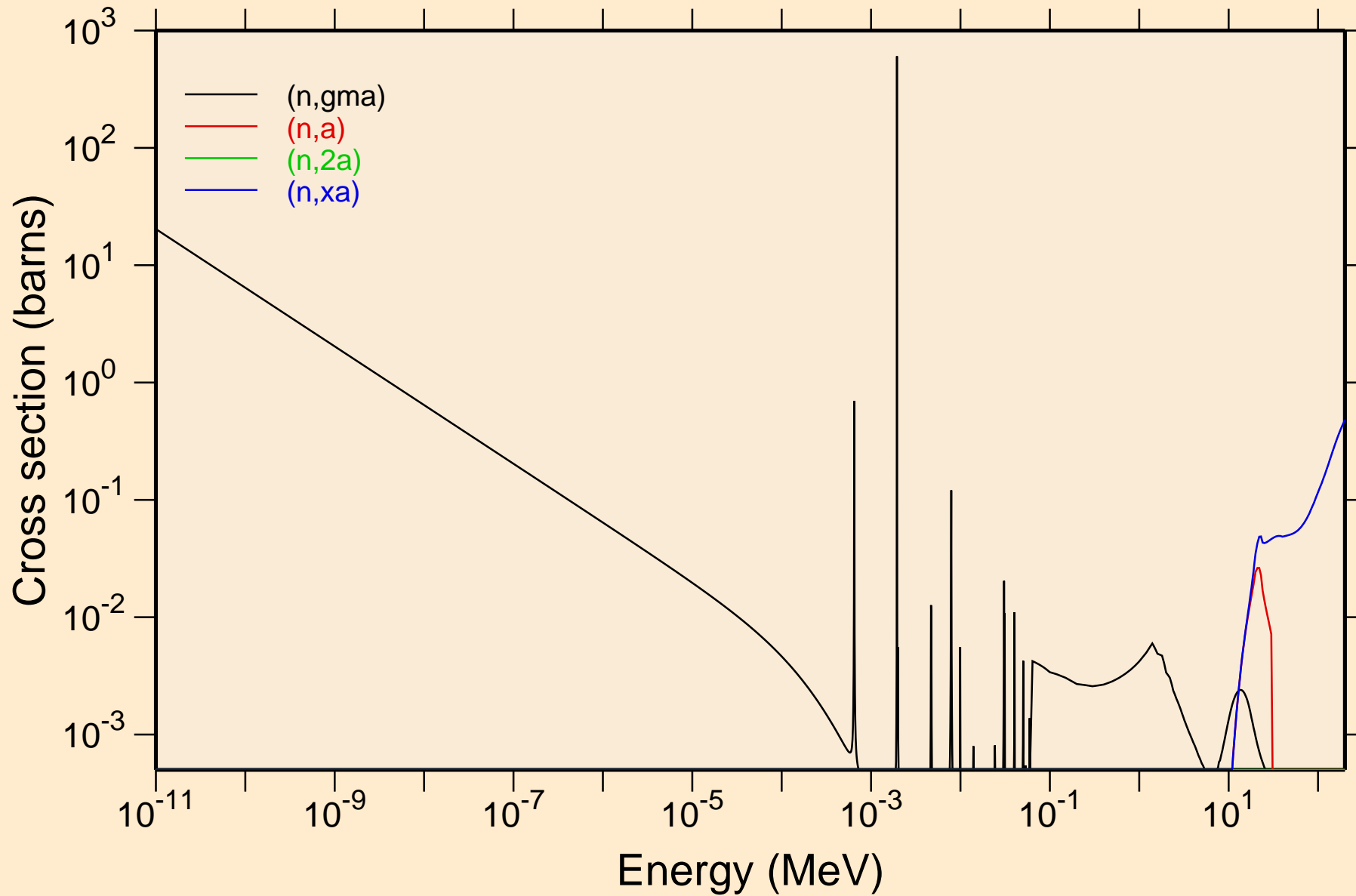
BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Heating



BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Damage

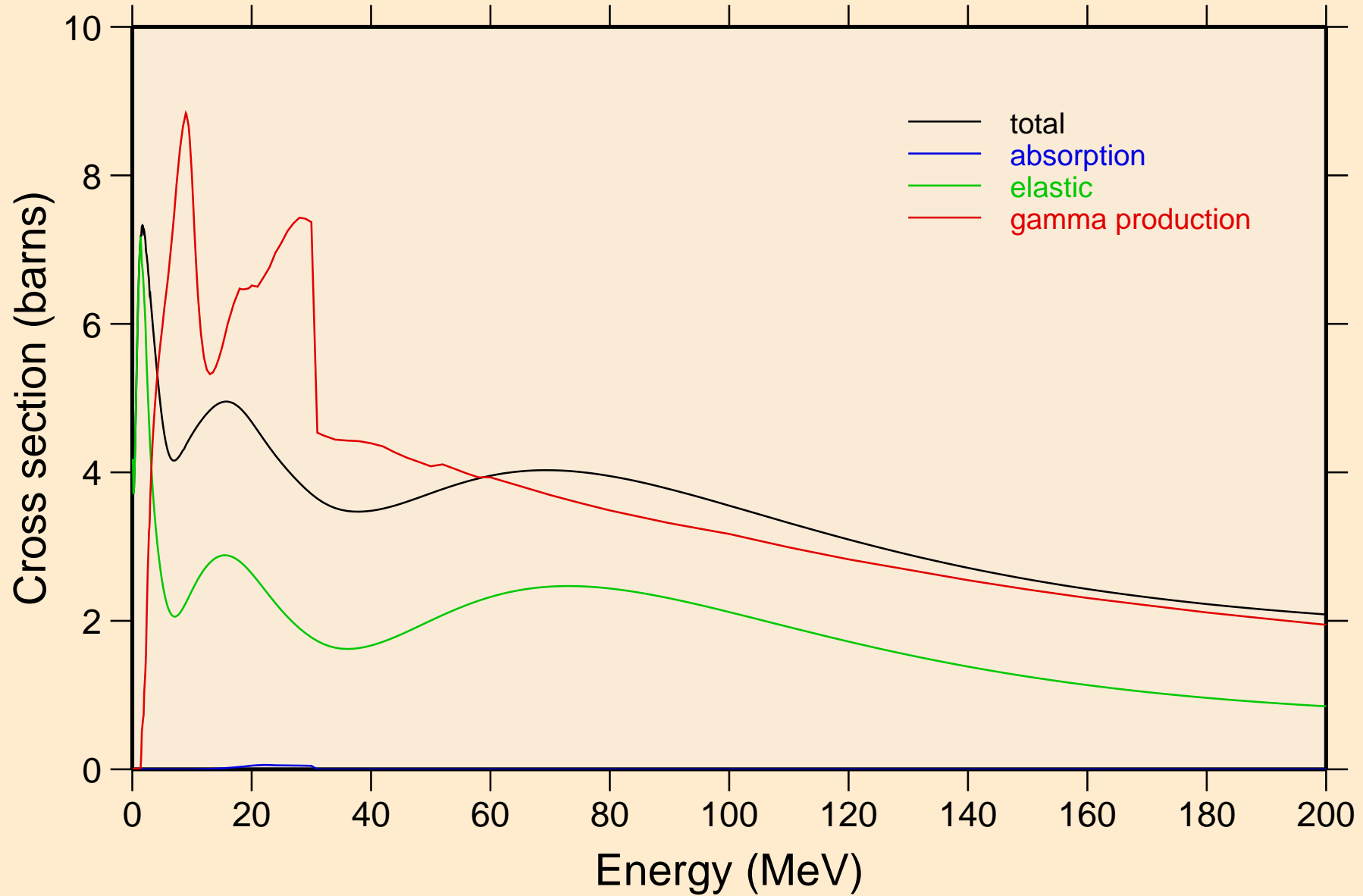


BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



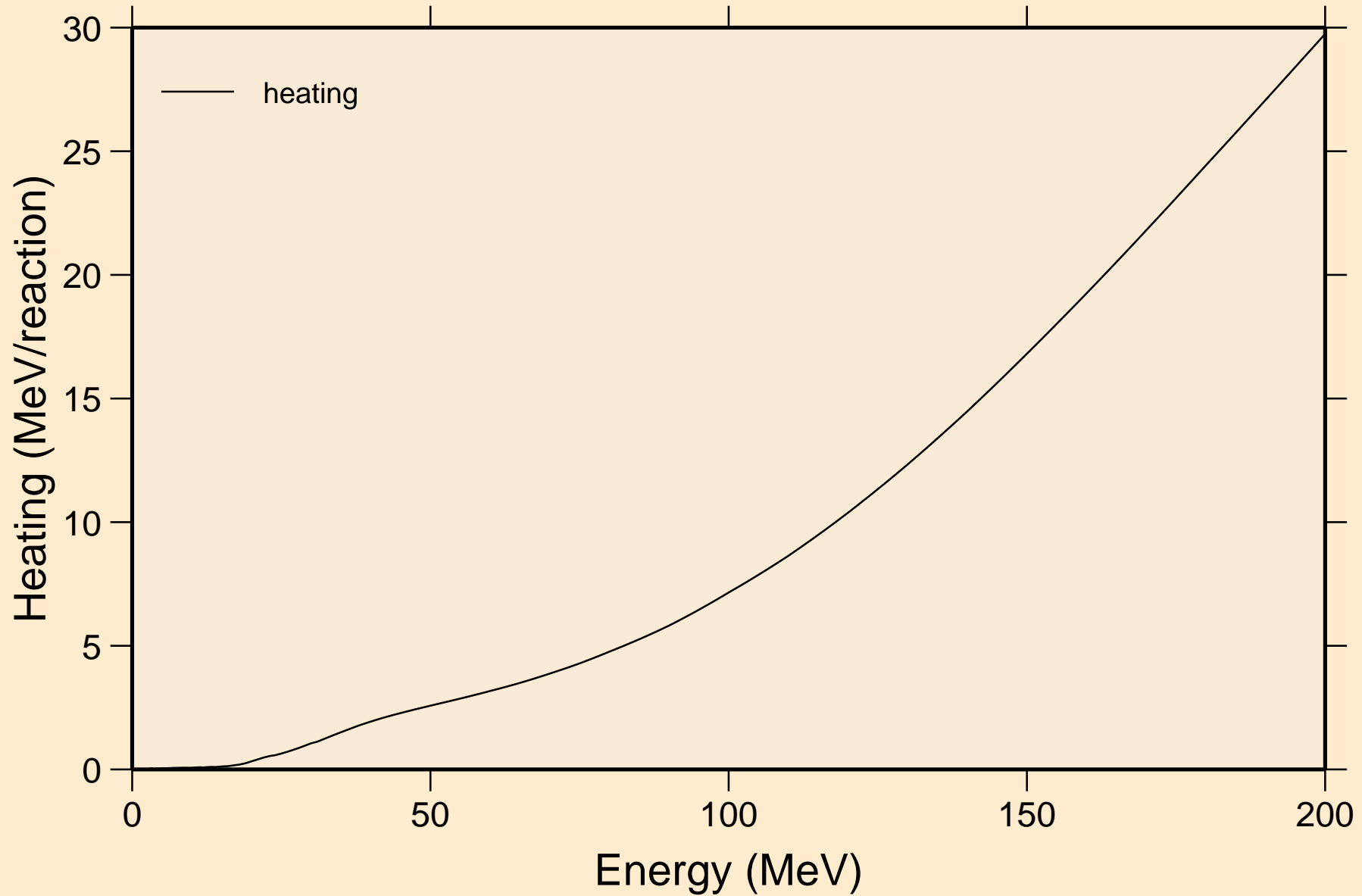
# BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections

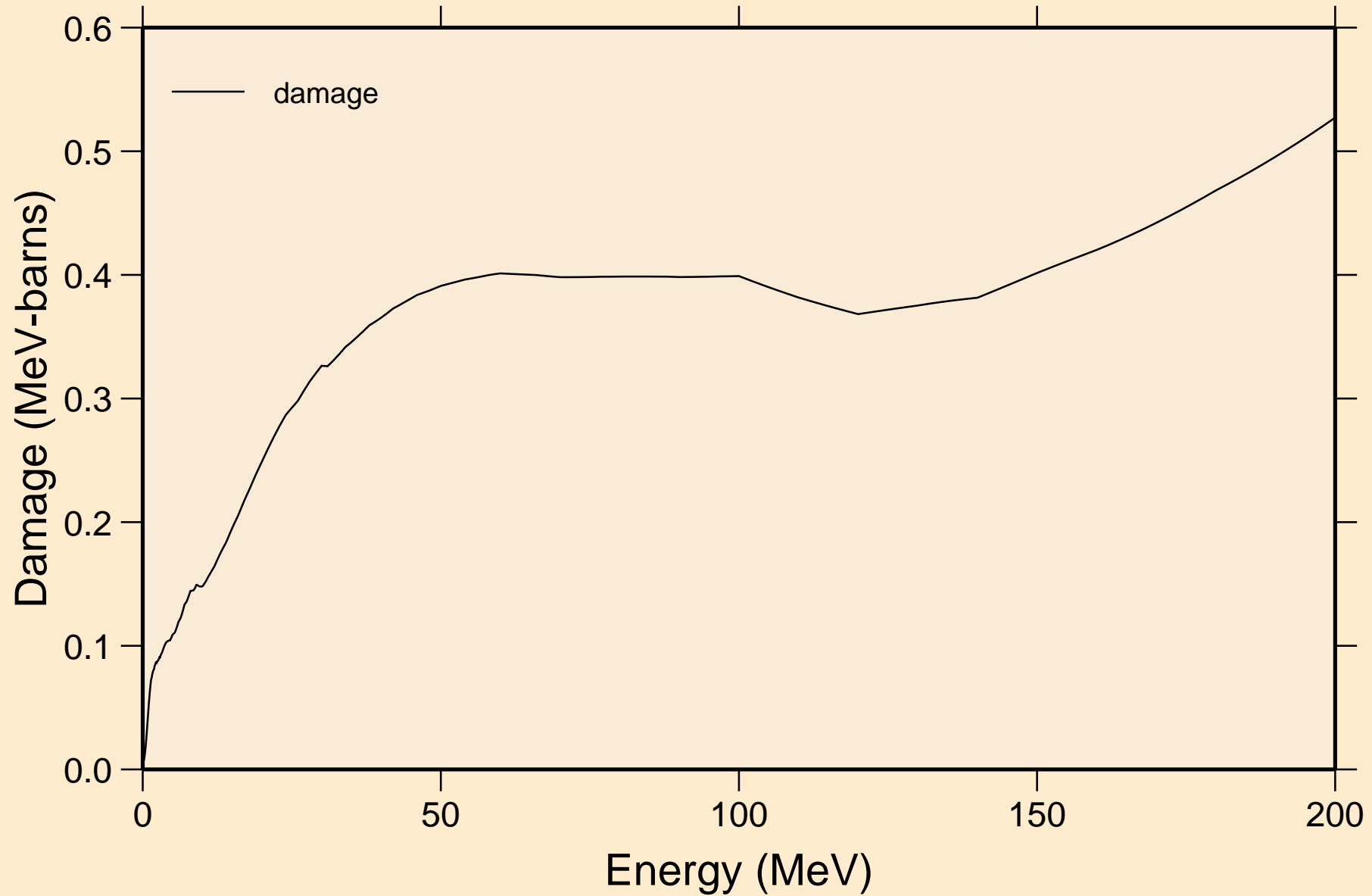


# BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Heating

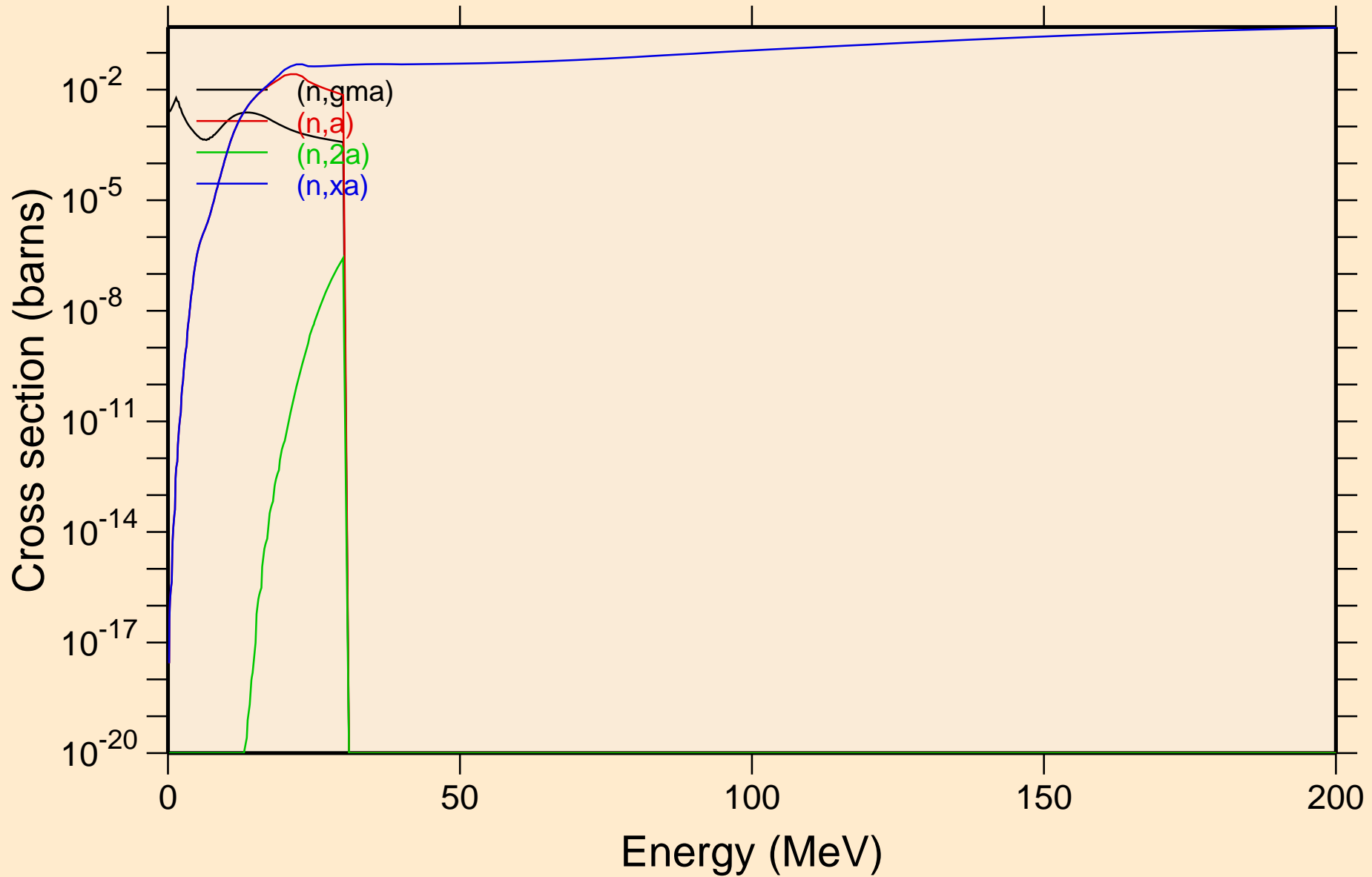


BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Damage



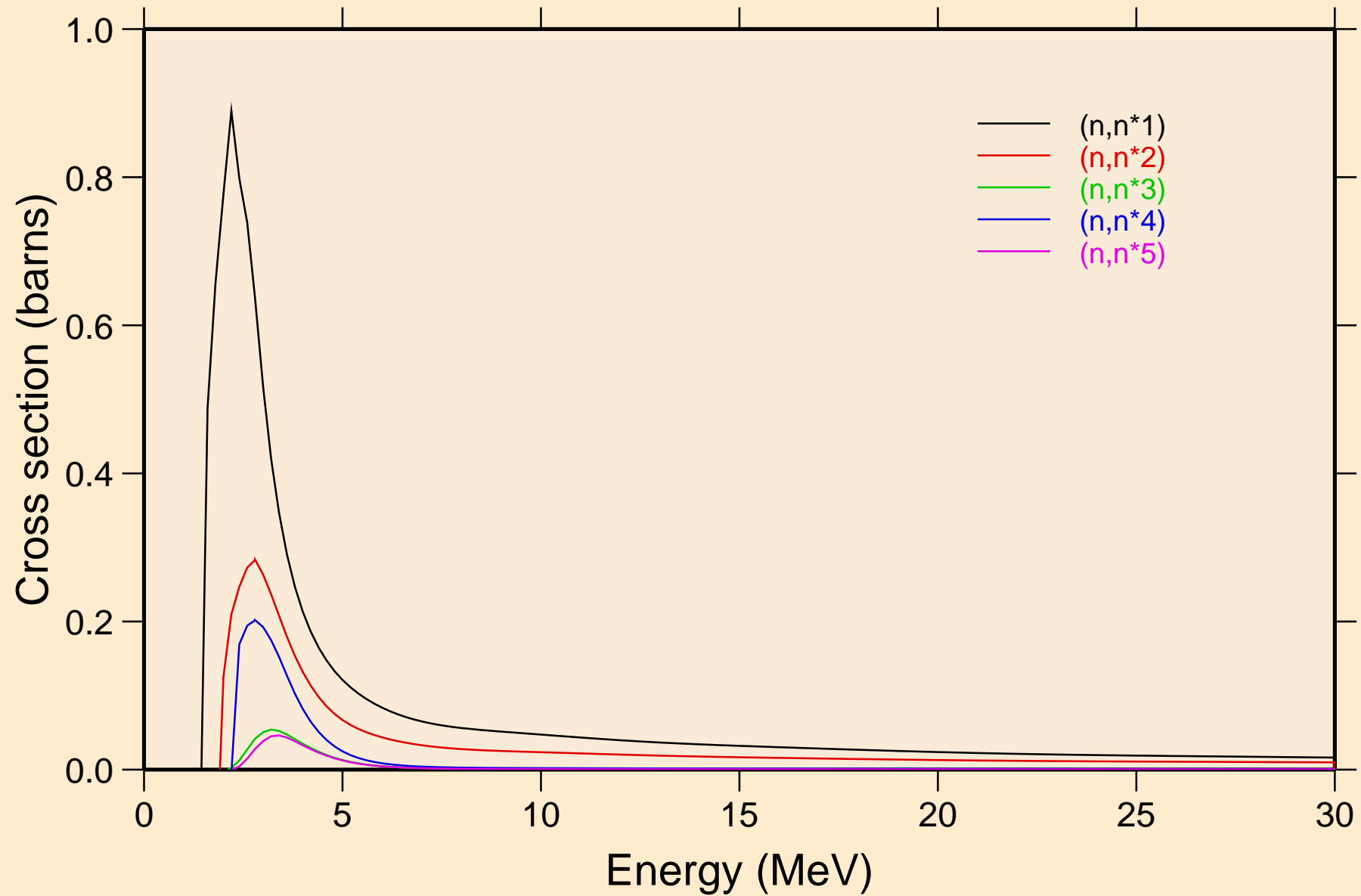
# BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Non-threshold reactions

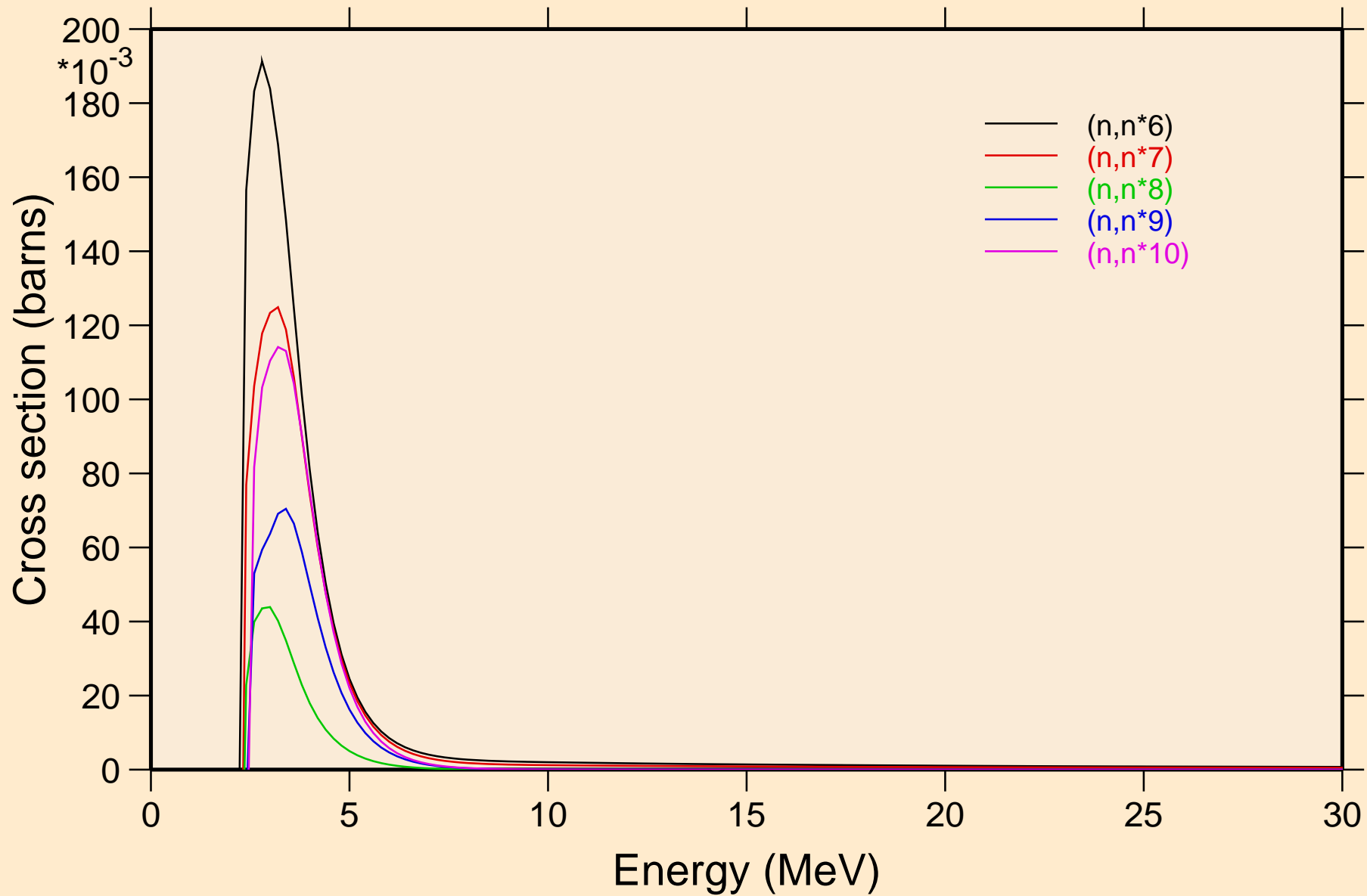




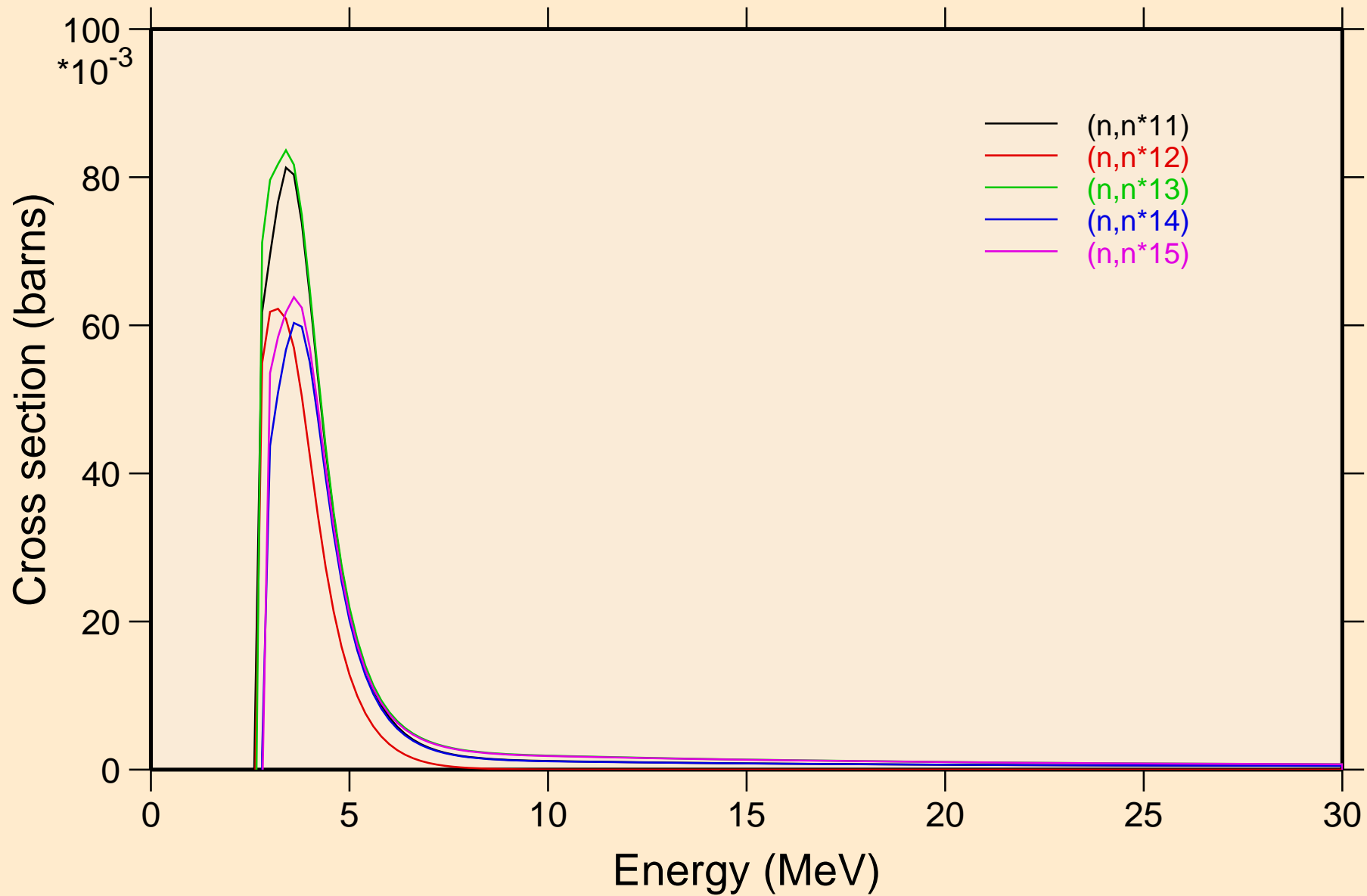
BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



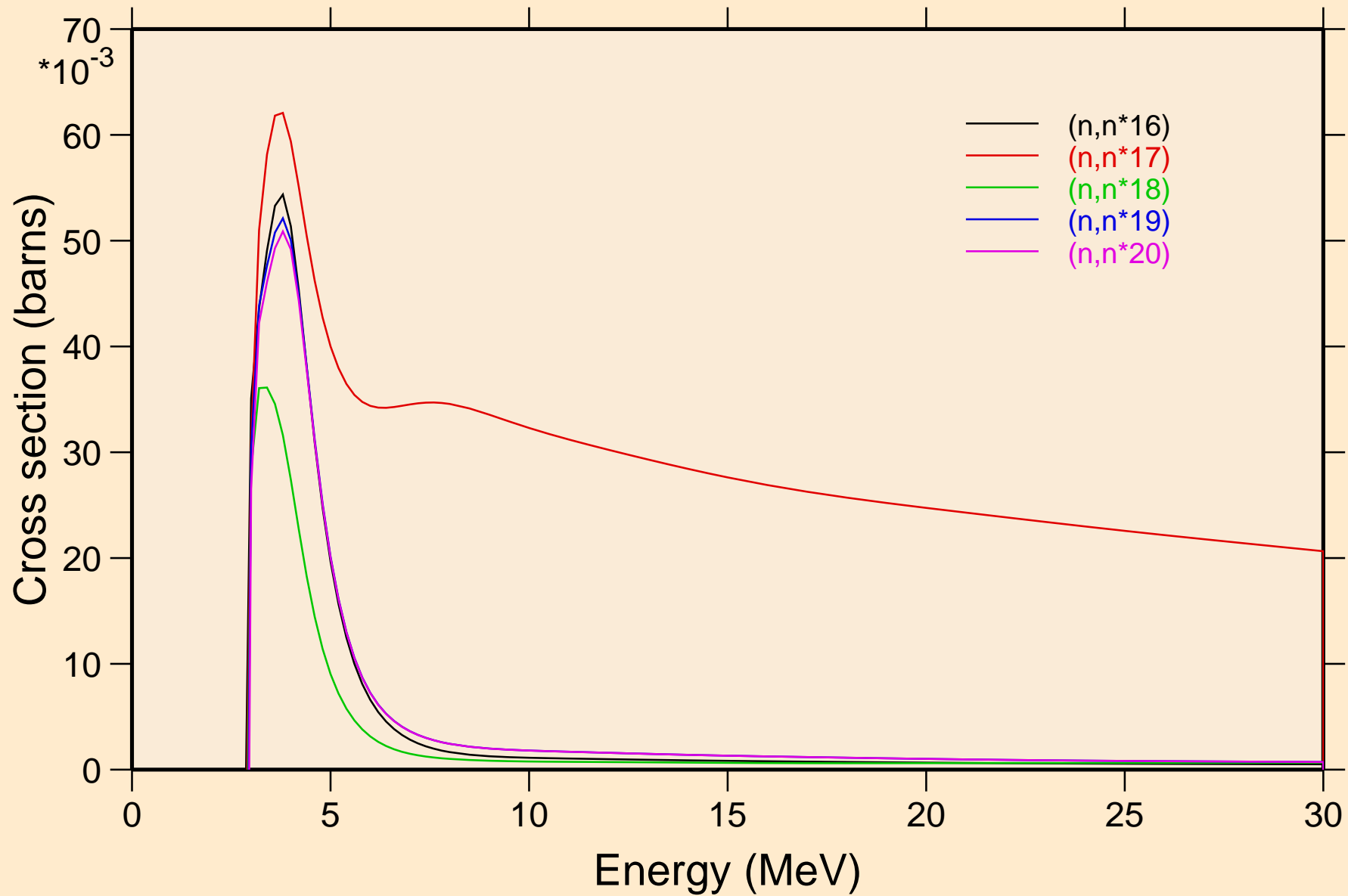
BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



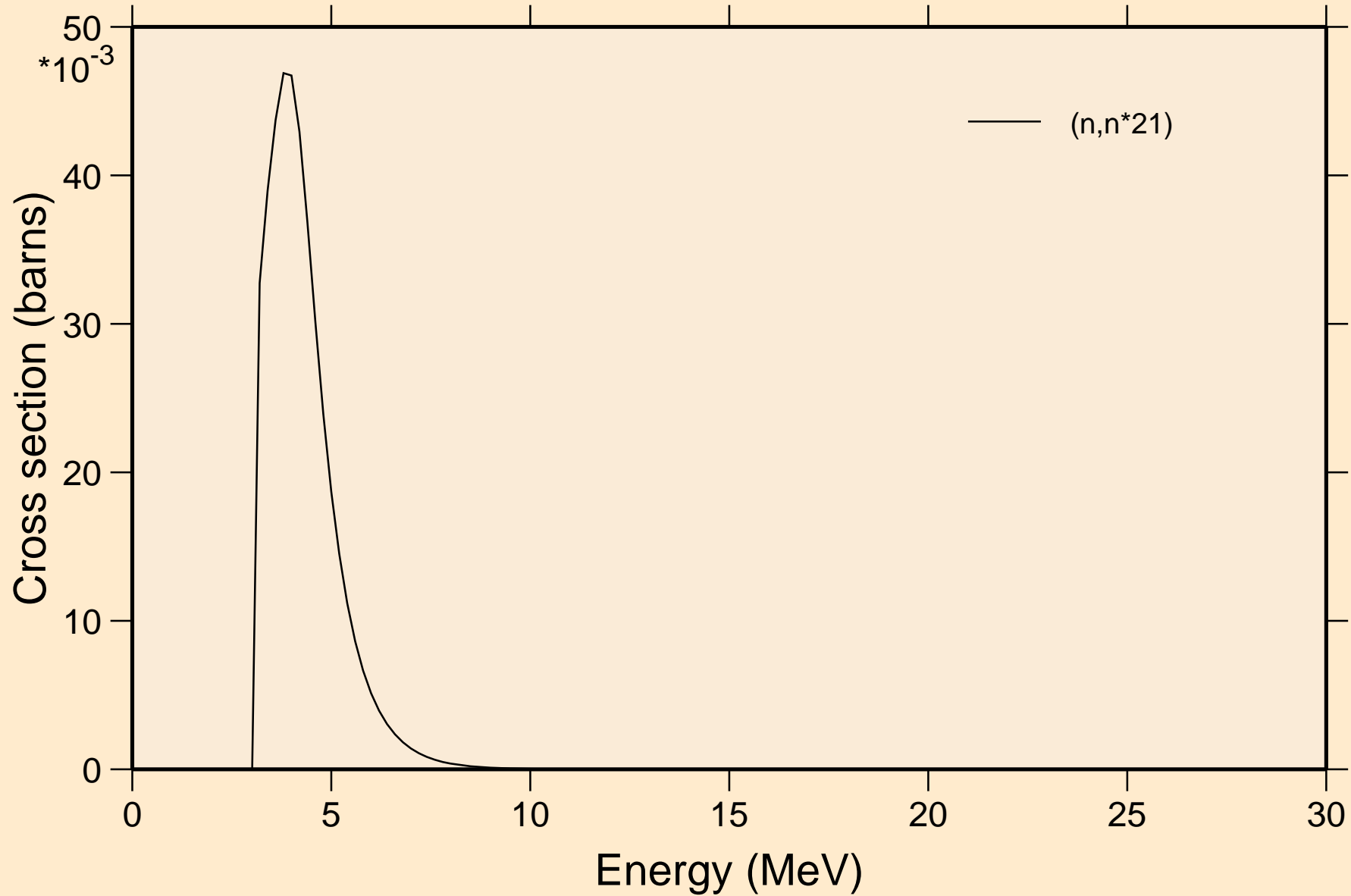
BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



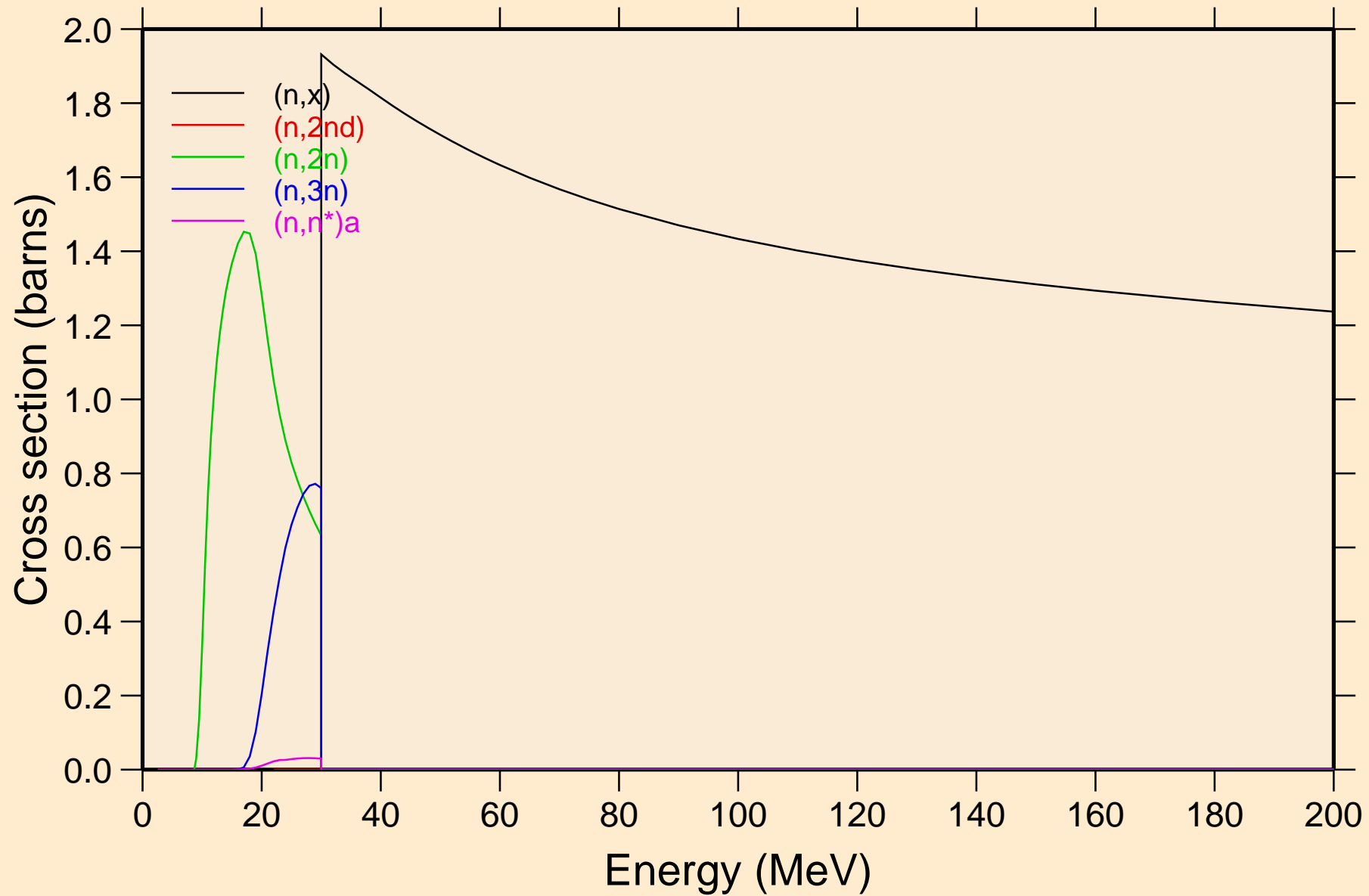
BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



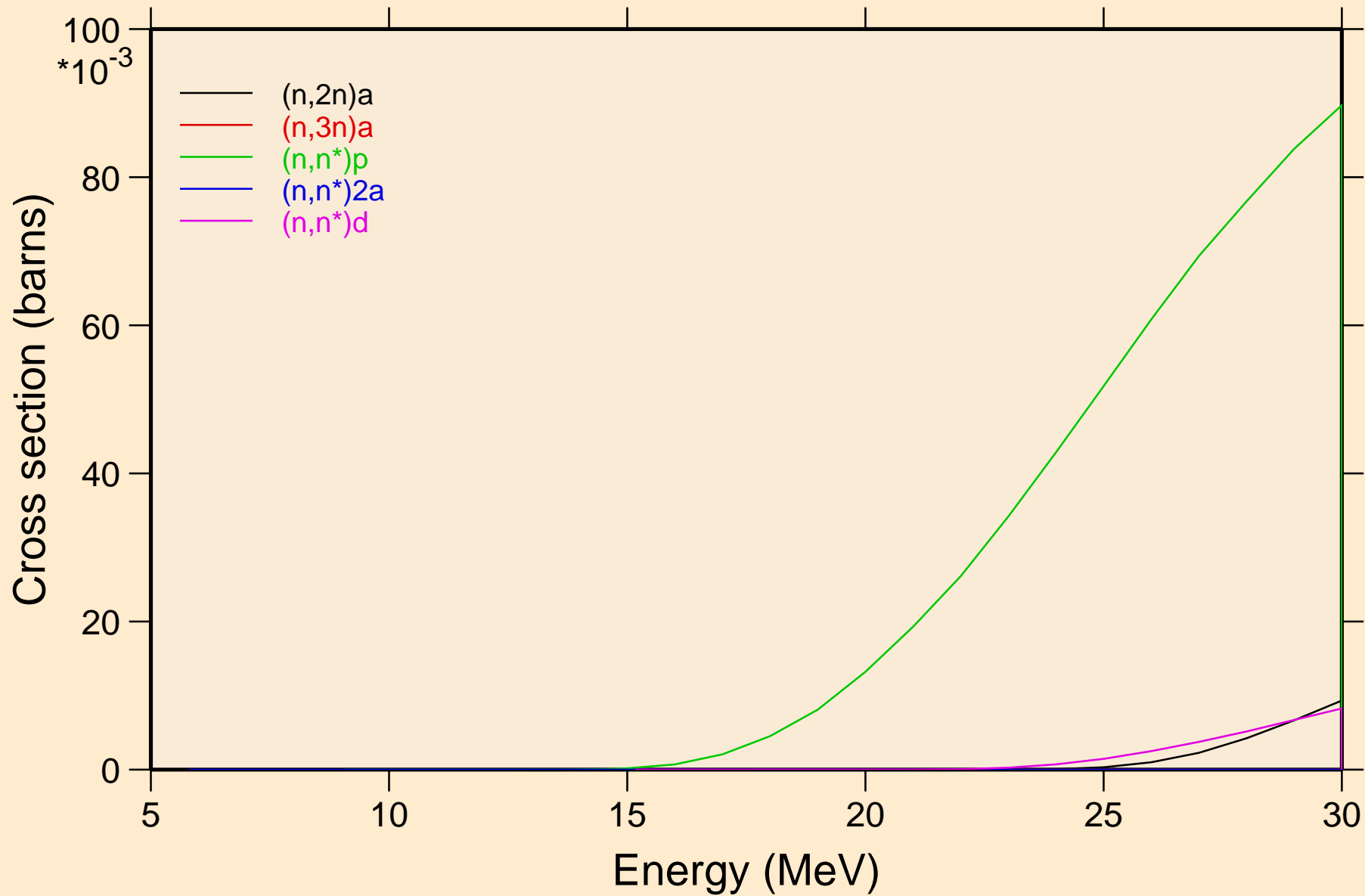
BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



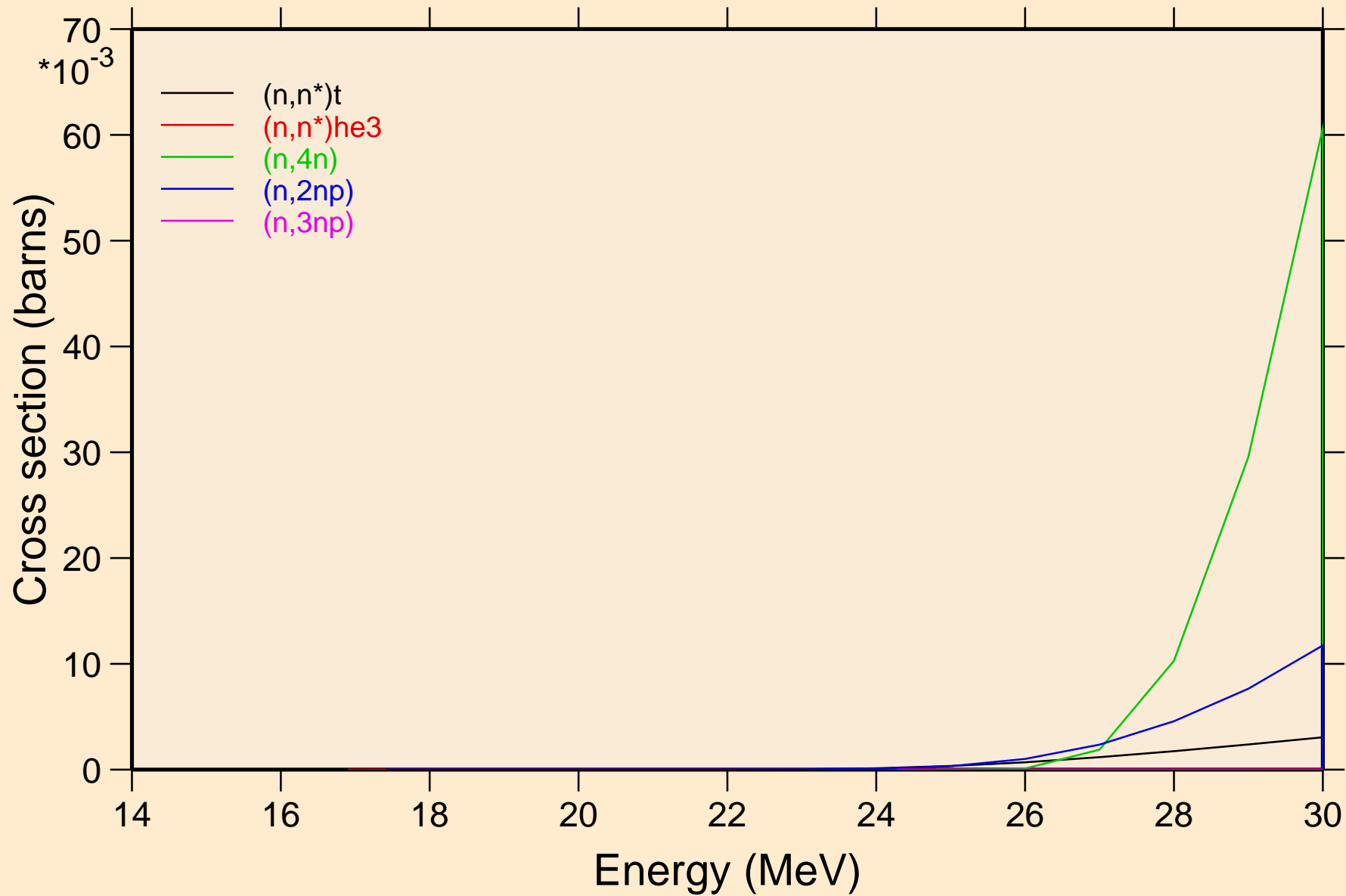
BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

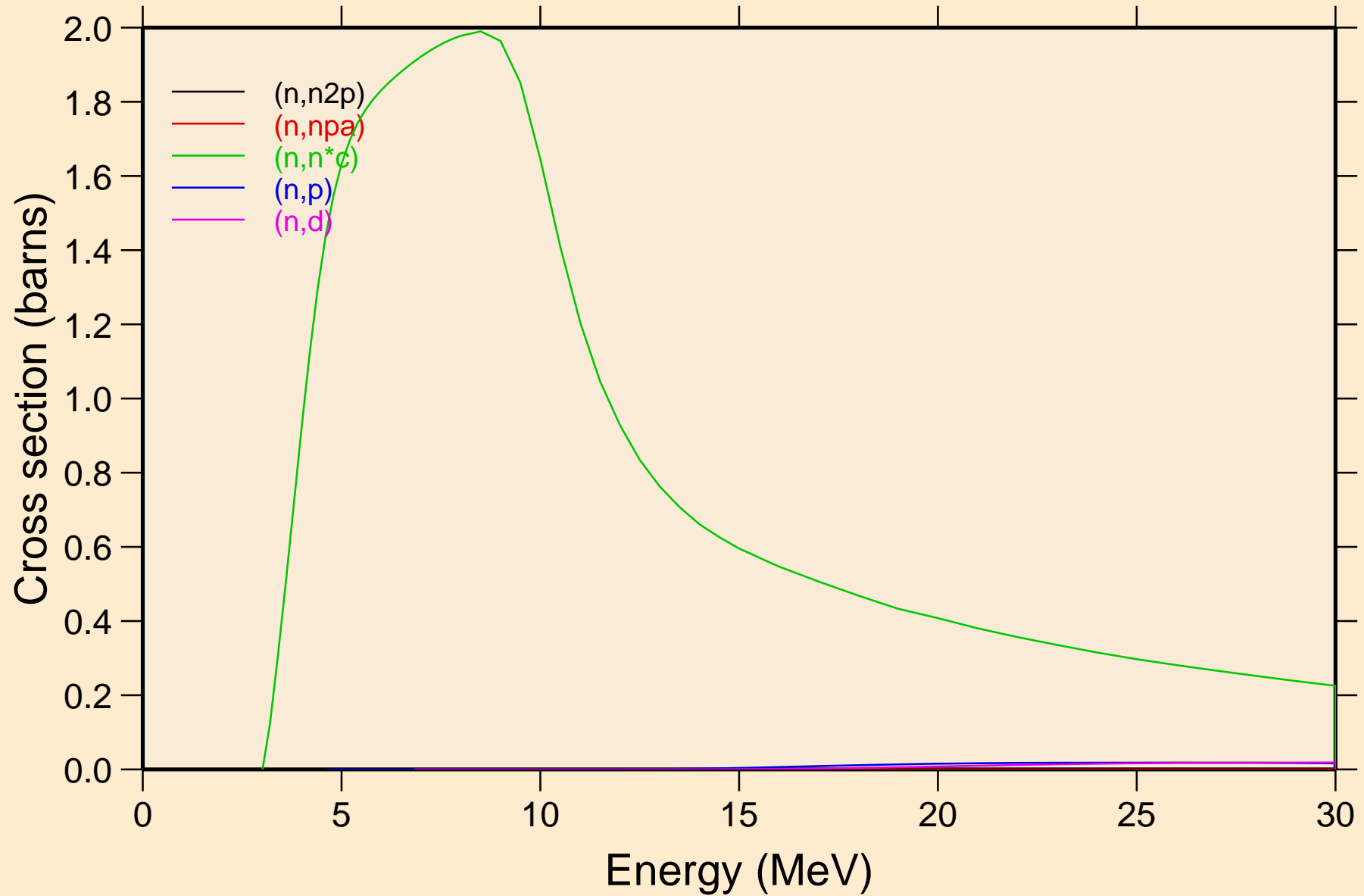


BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



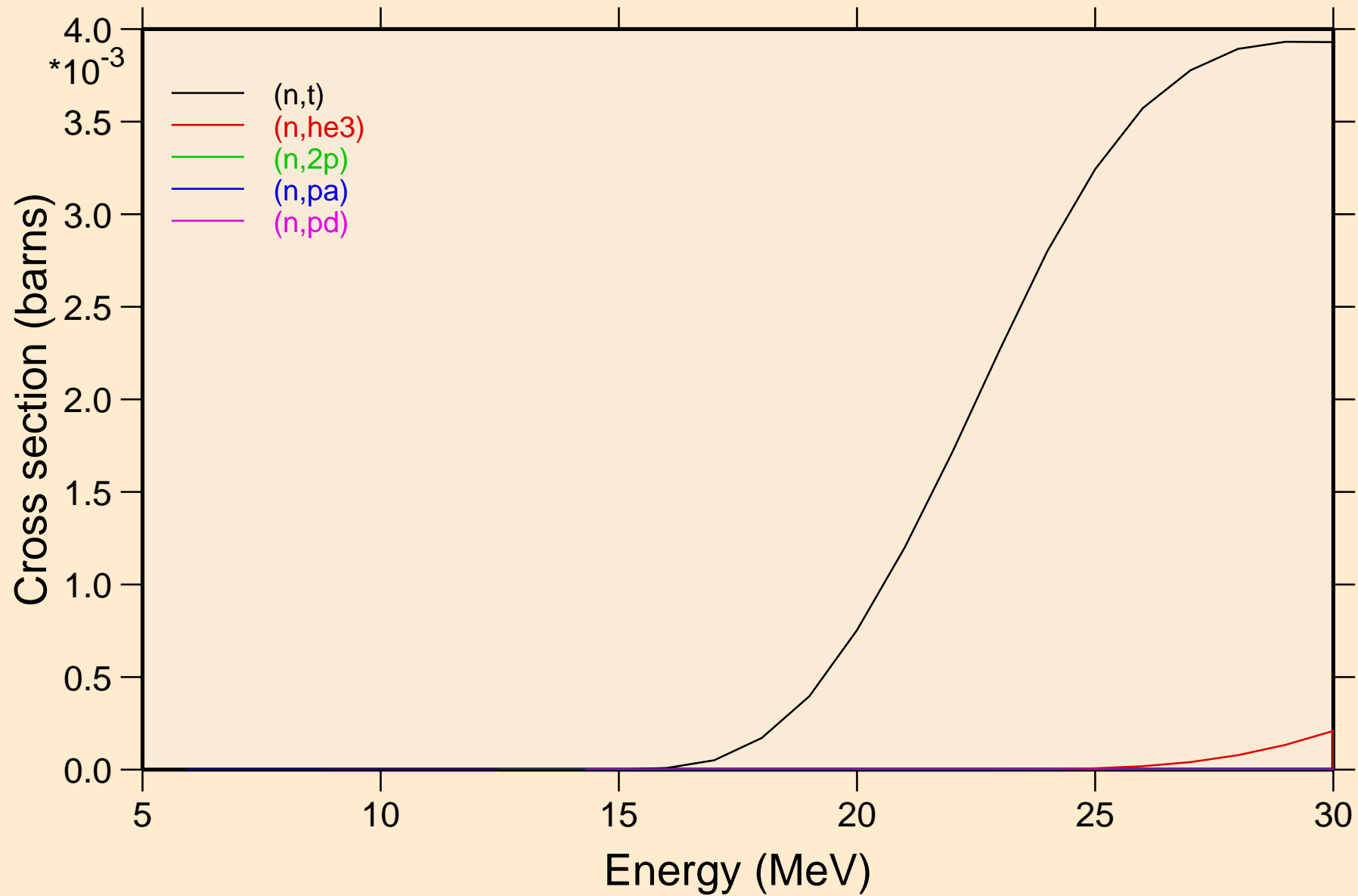


BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

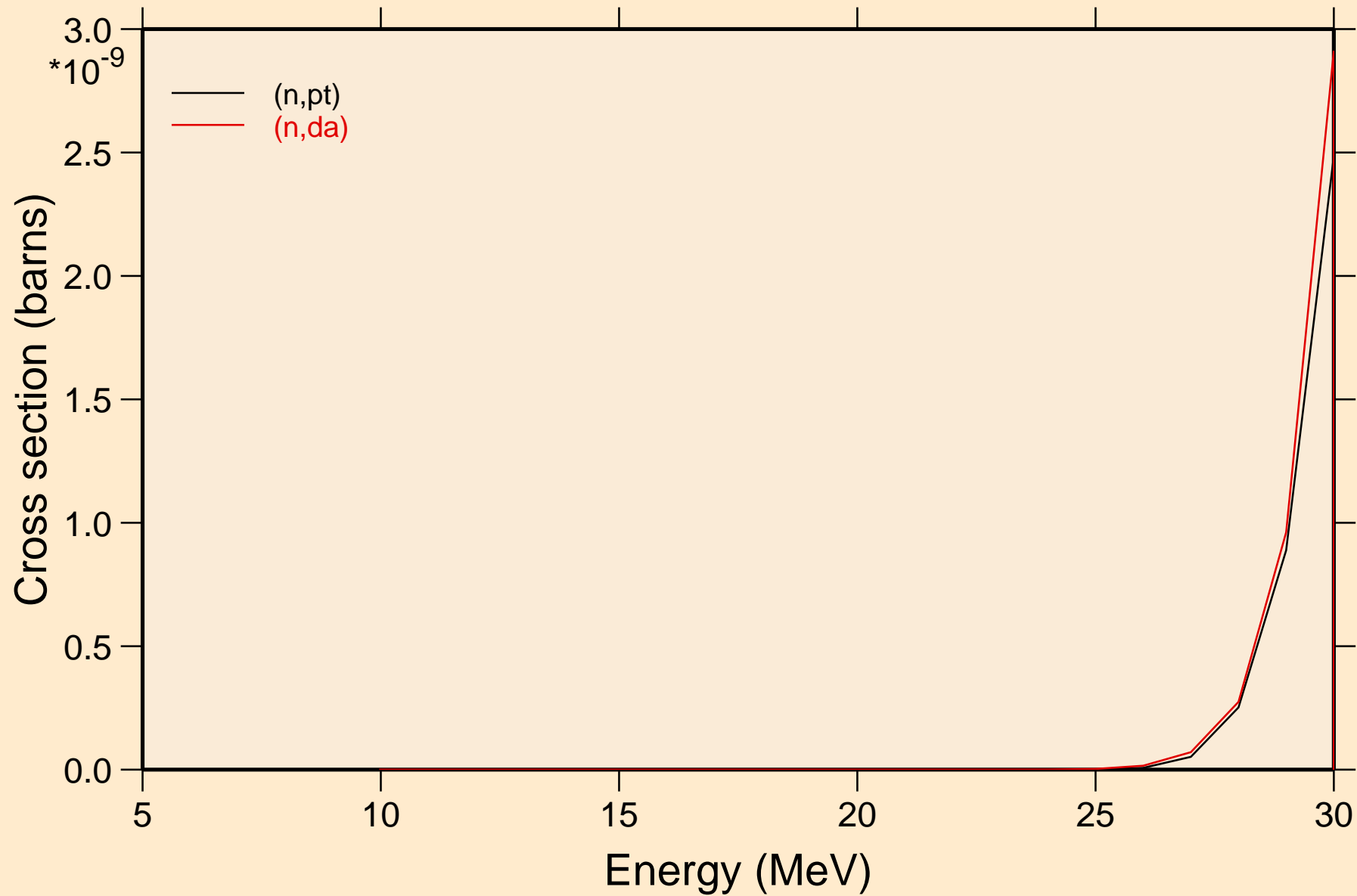


# BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

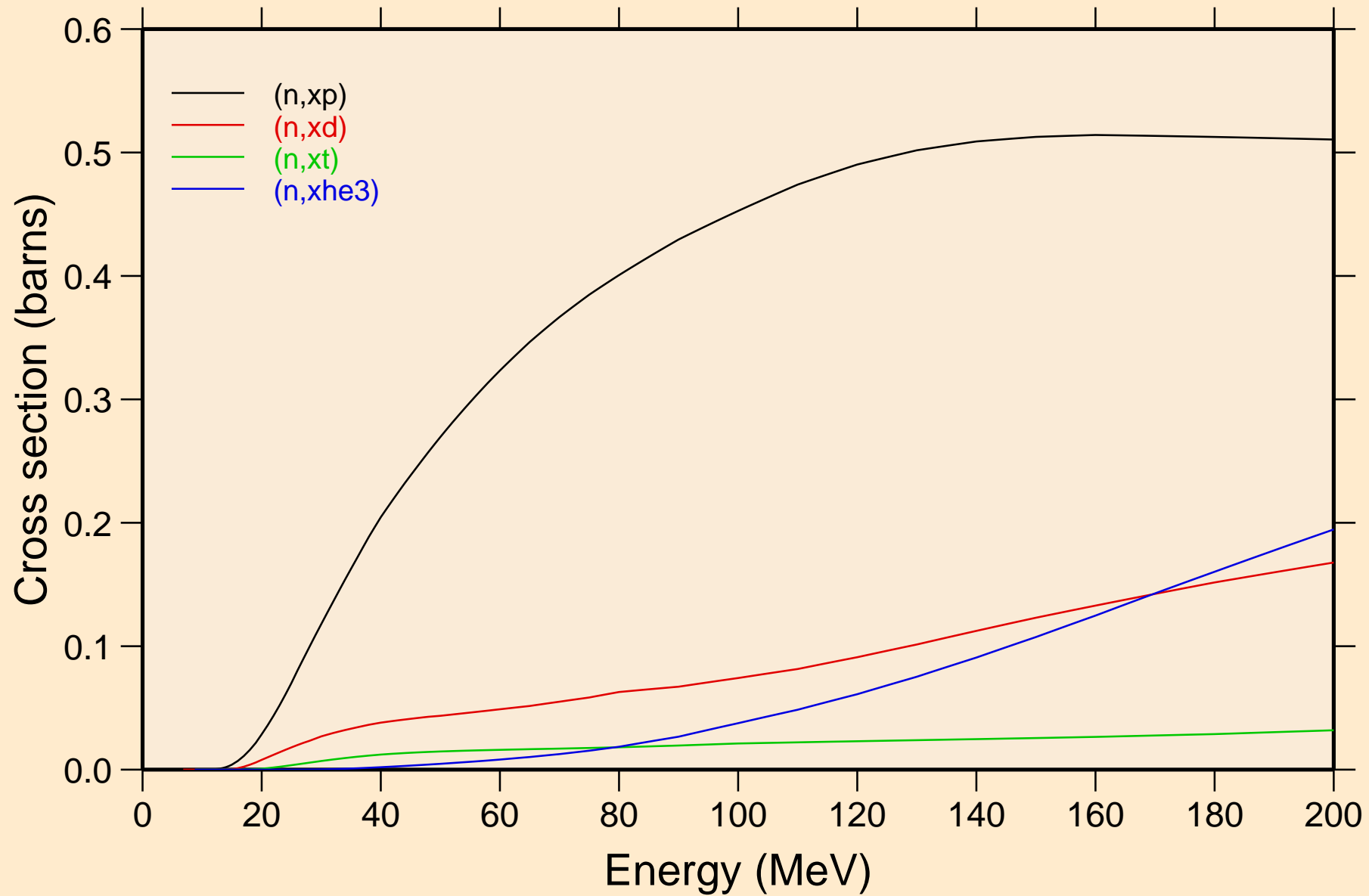
## Threshold reactions



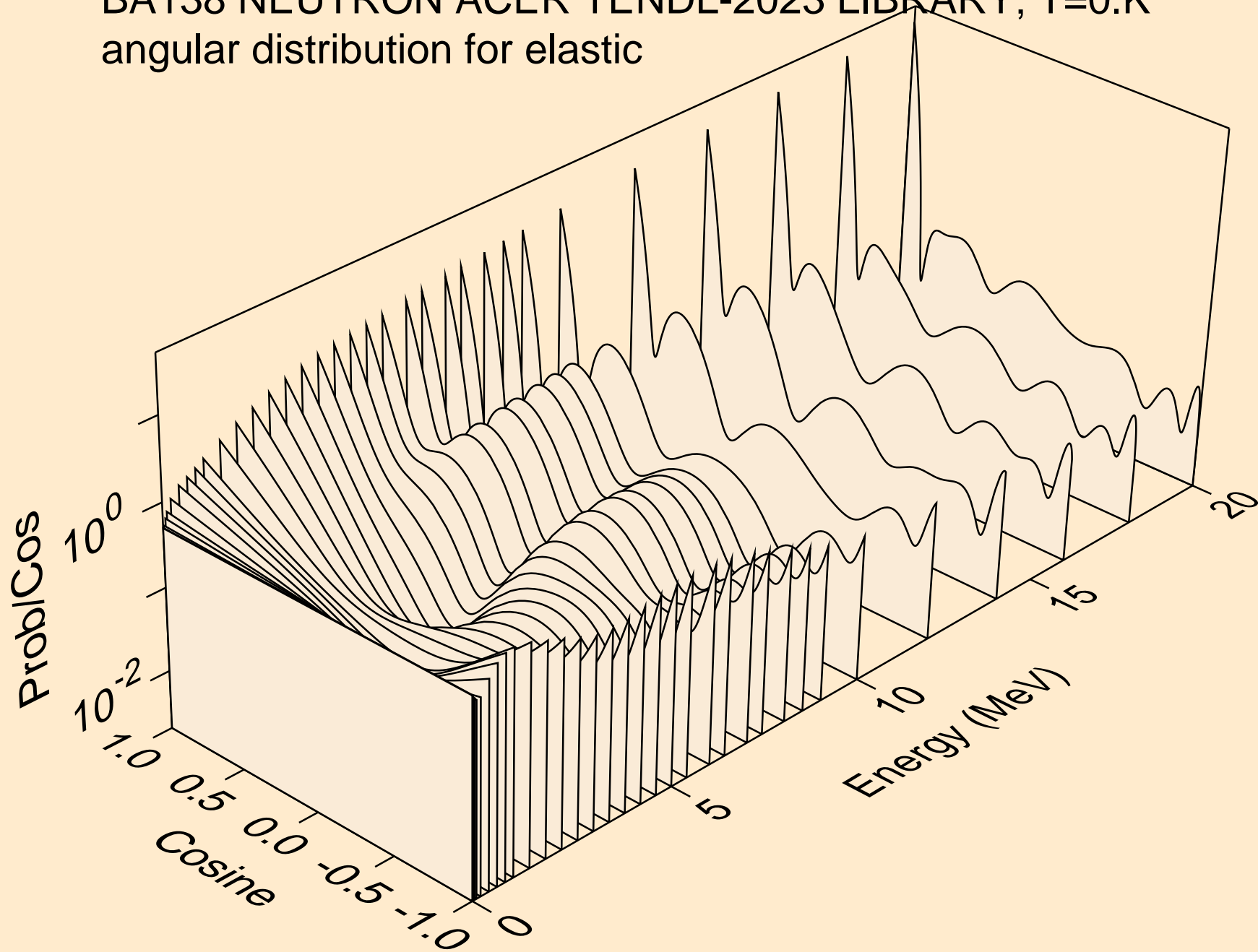
BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



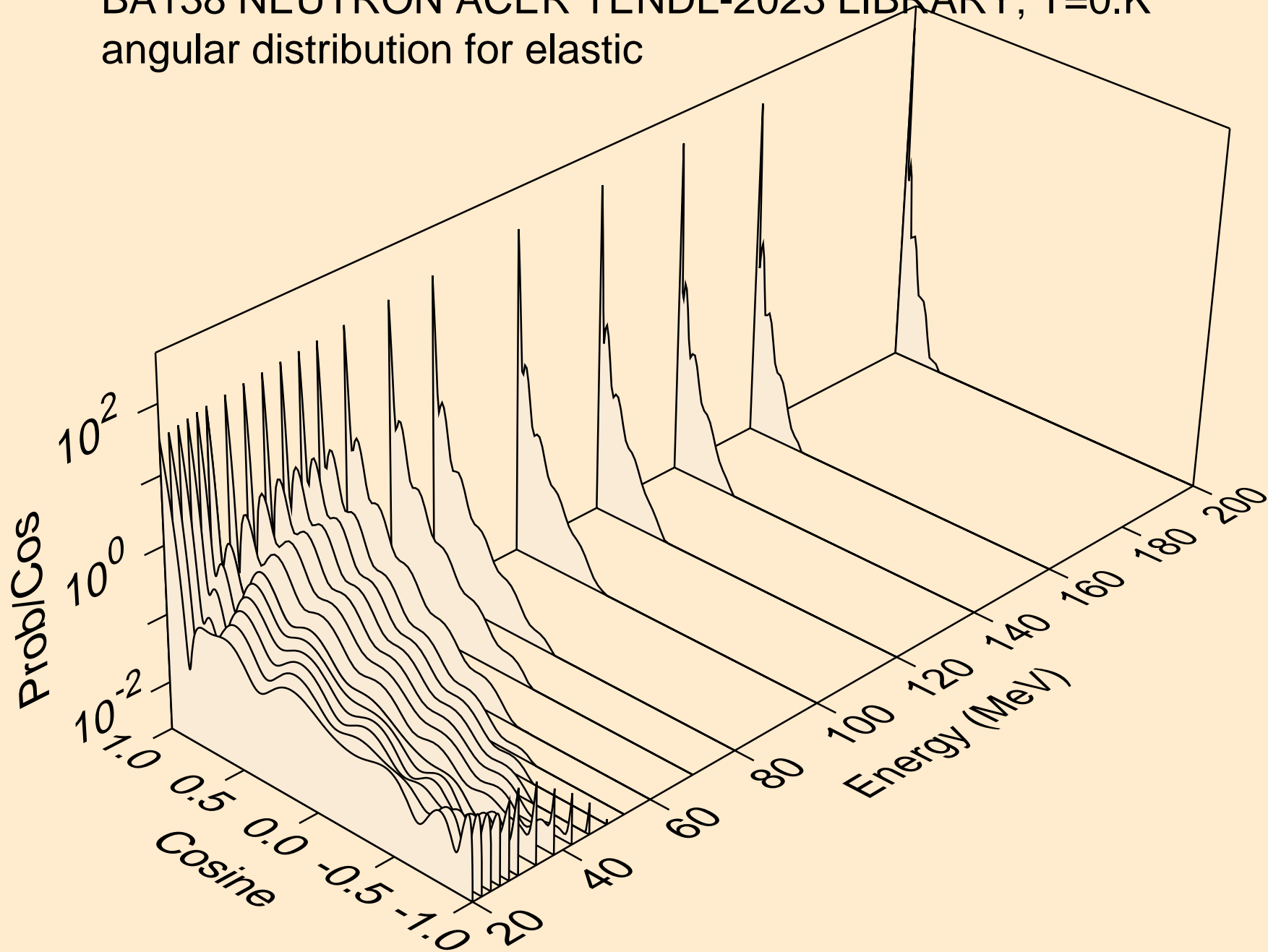
BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



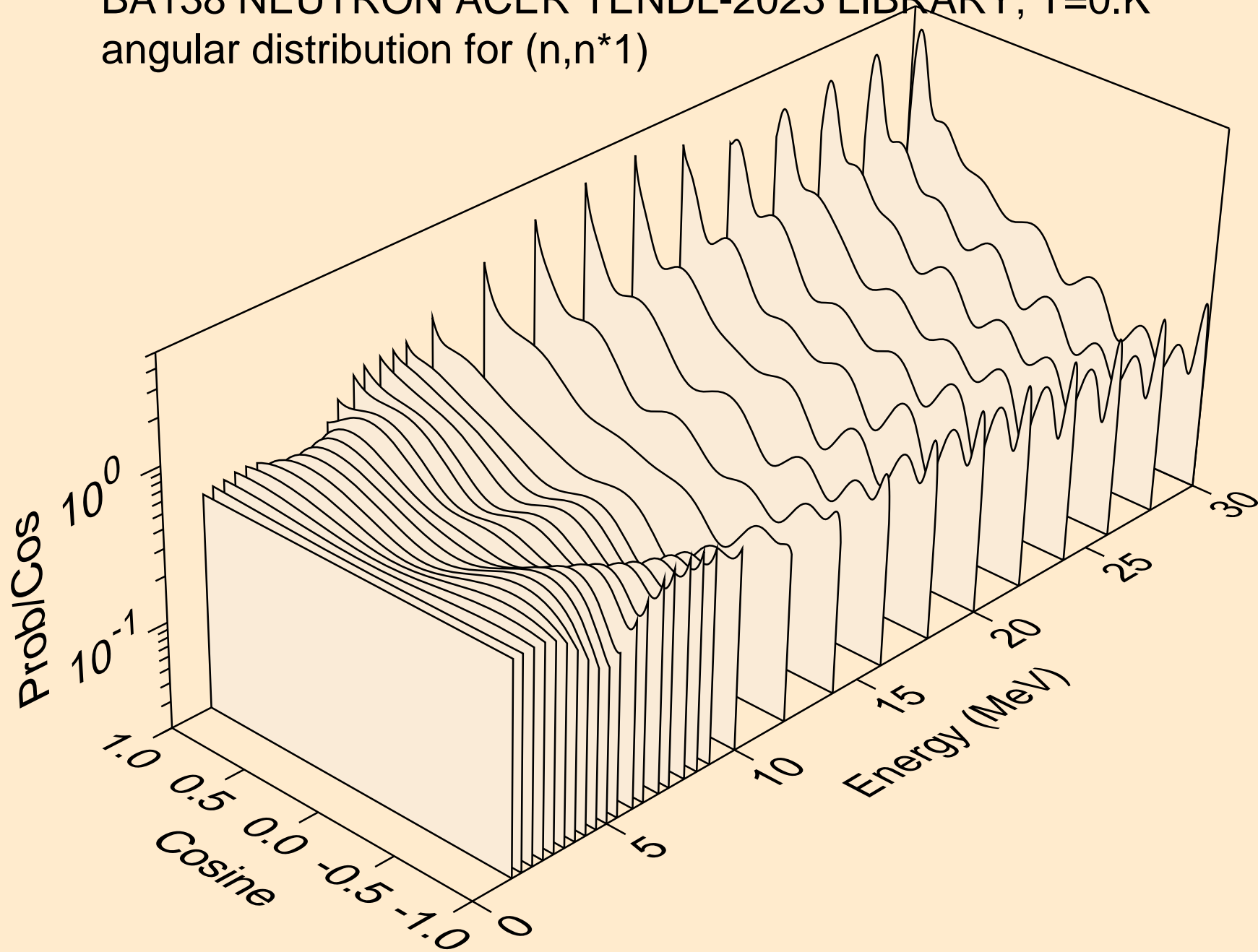
BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



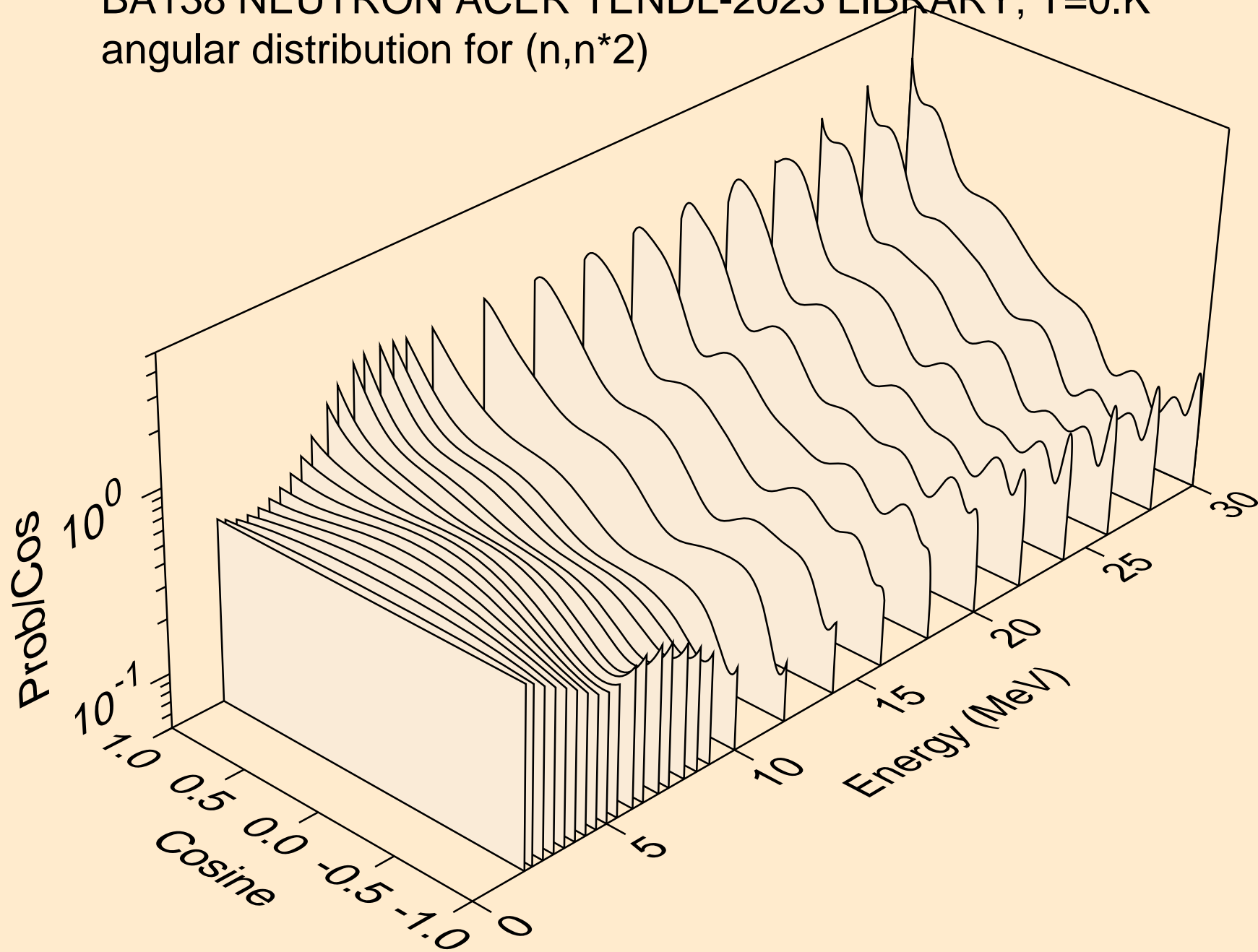
BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*1)

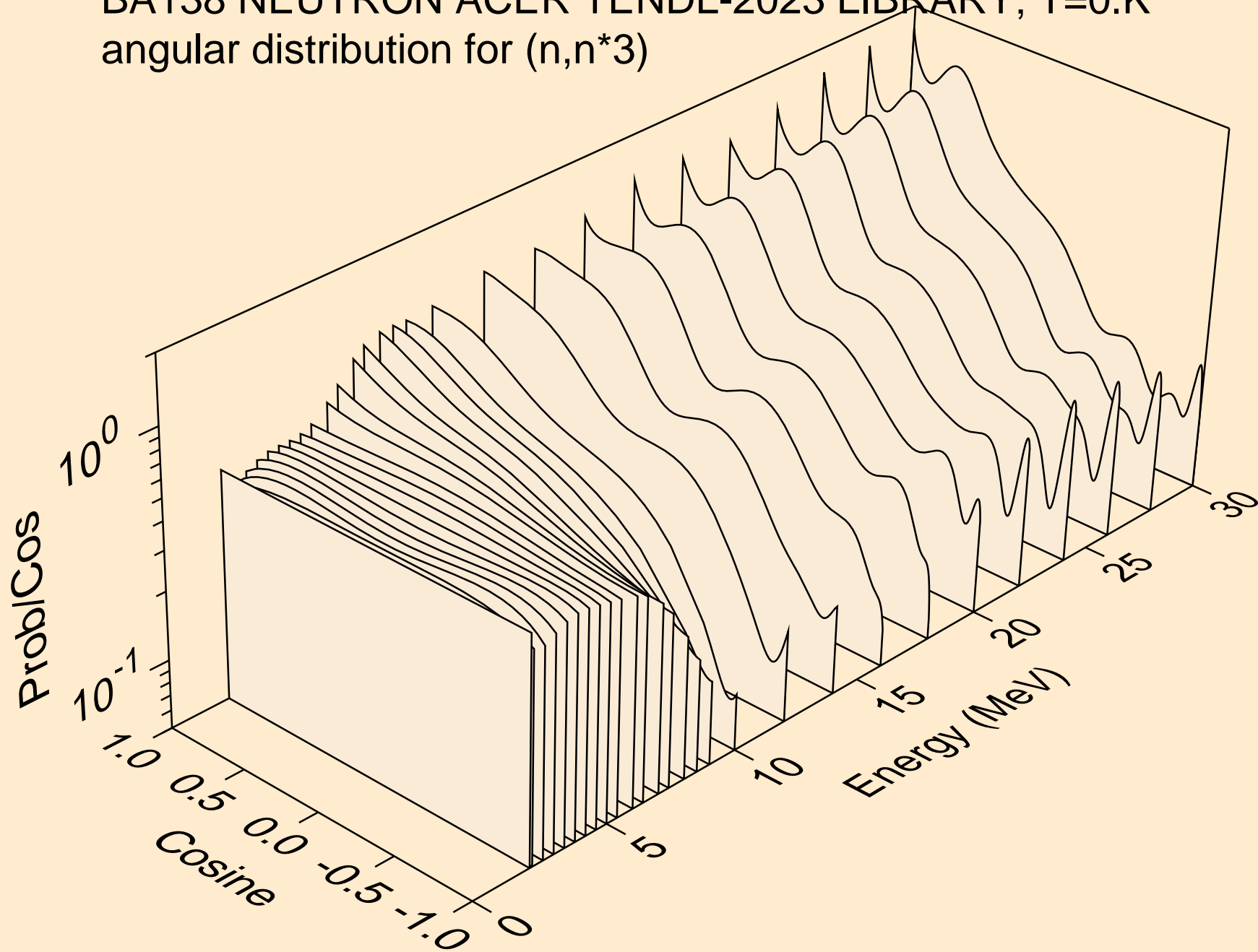


BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*2)

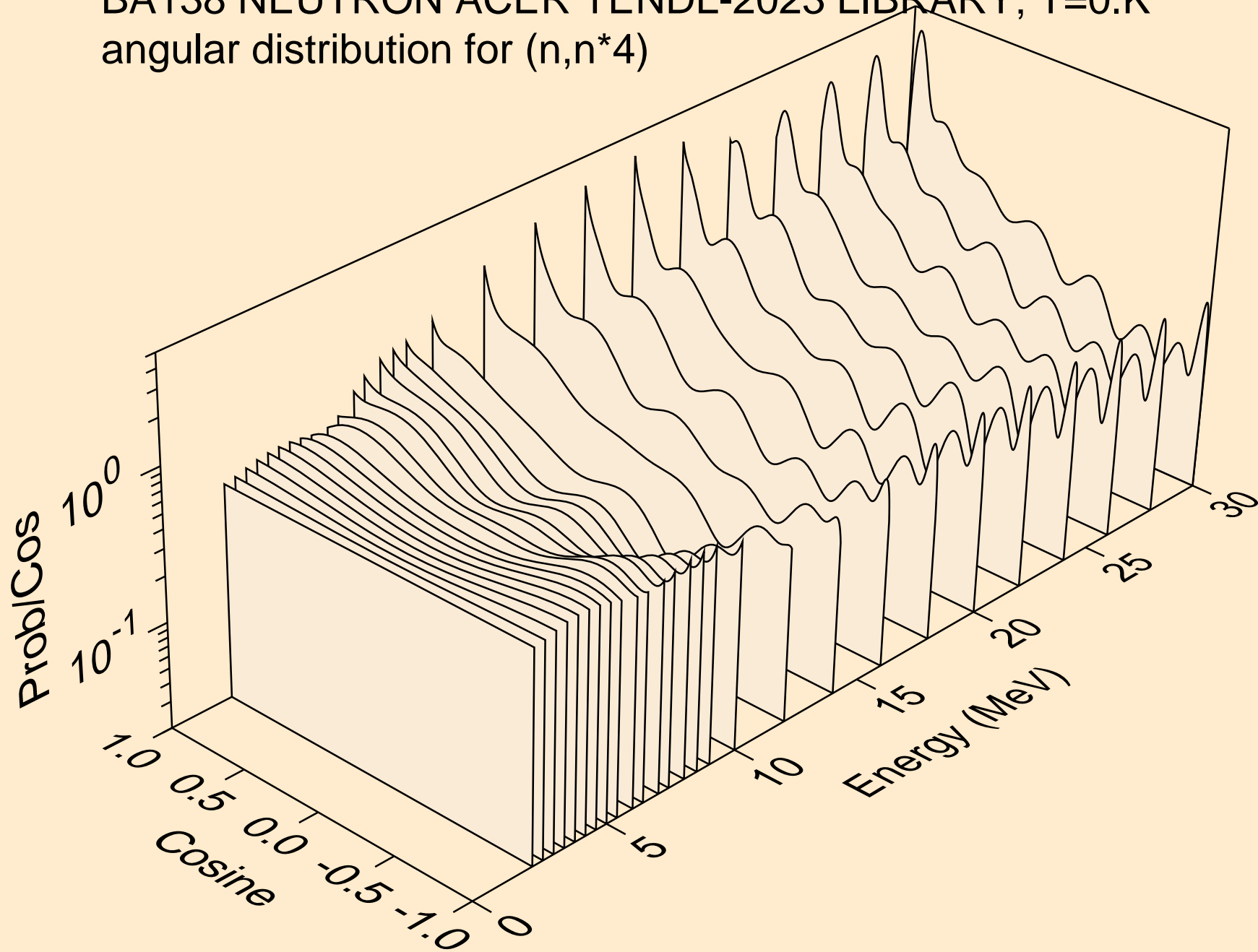




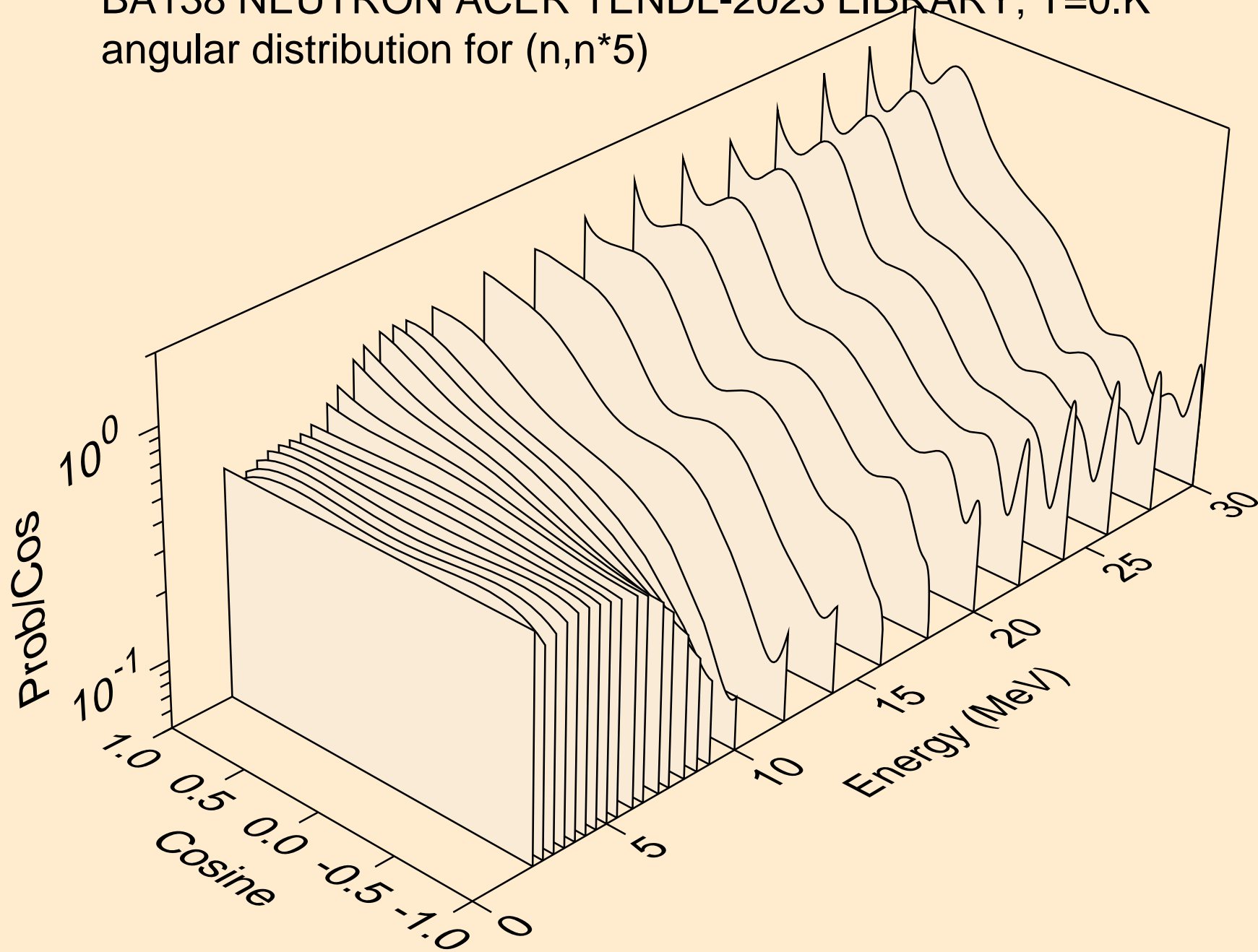
BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*3)



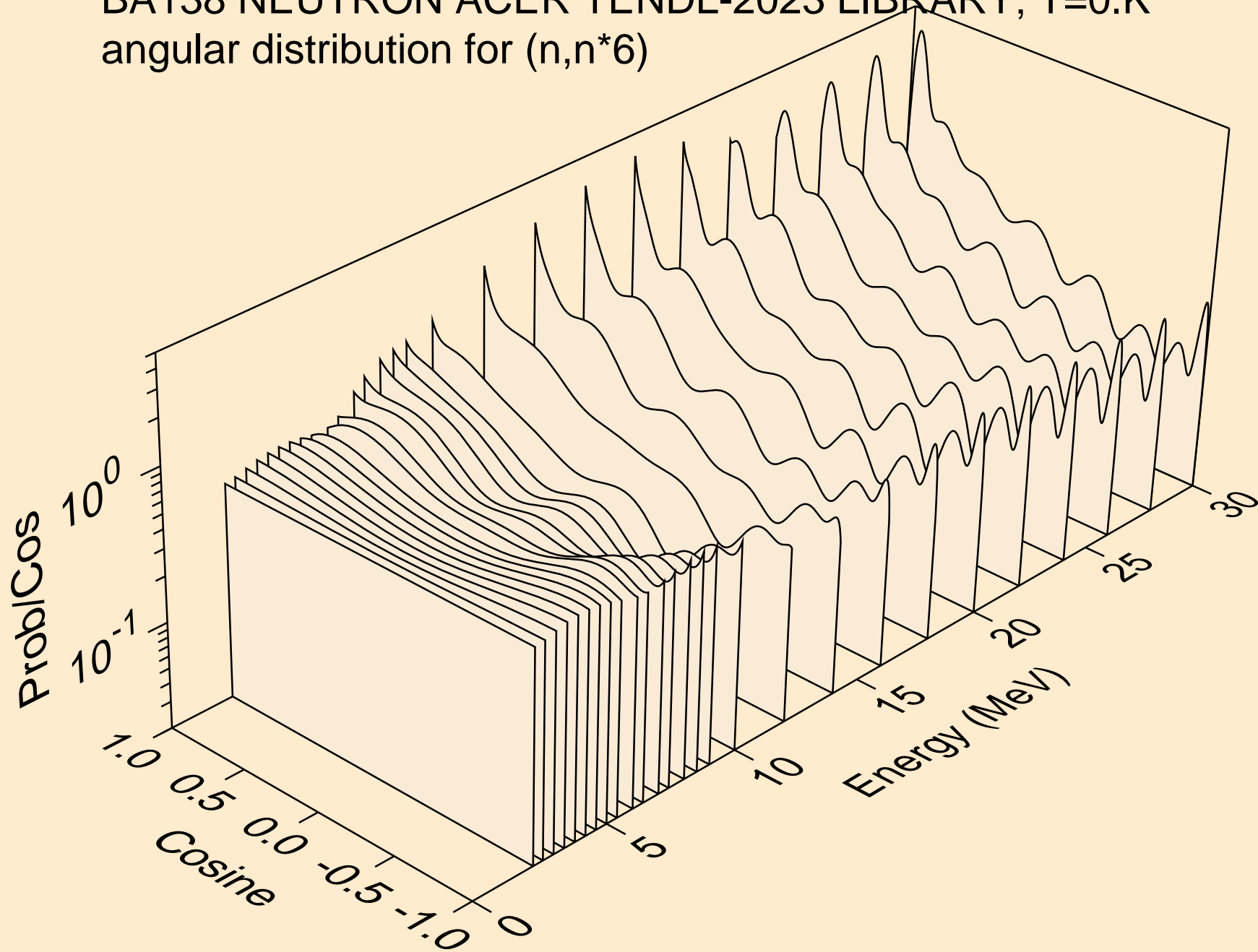
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angular distribution for (n,n\*4)



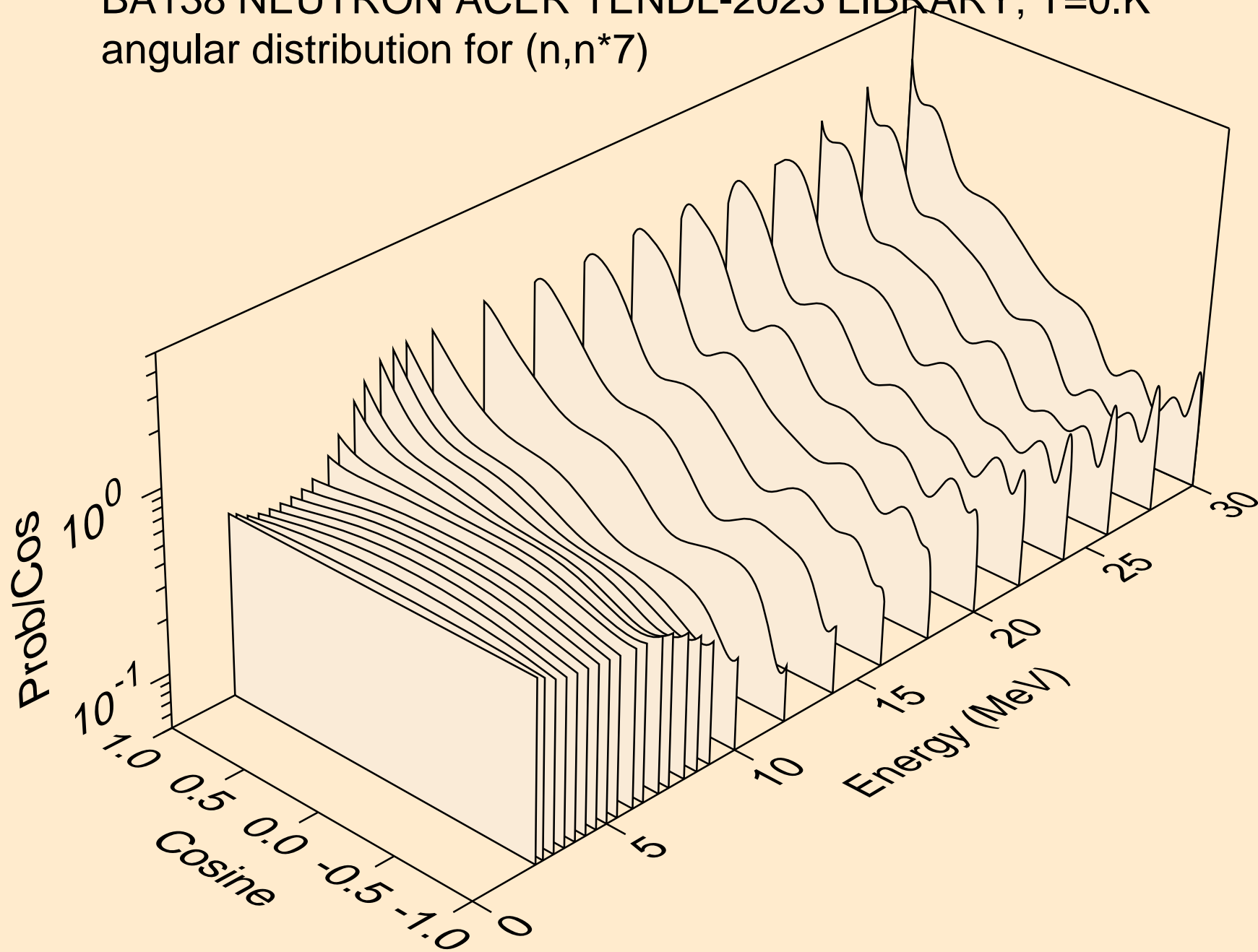
BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*5)



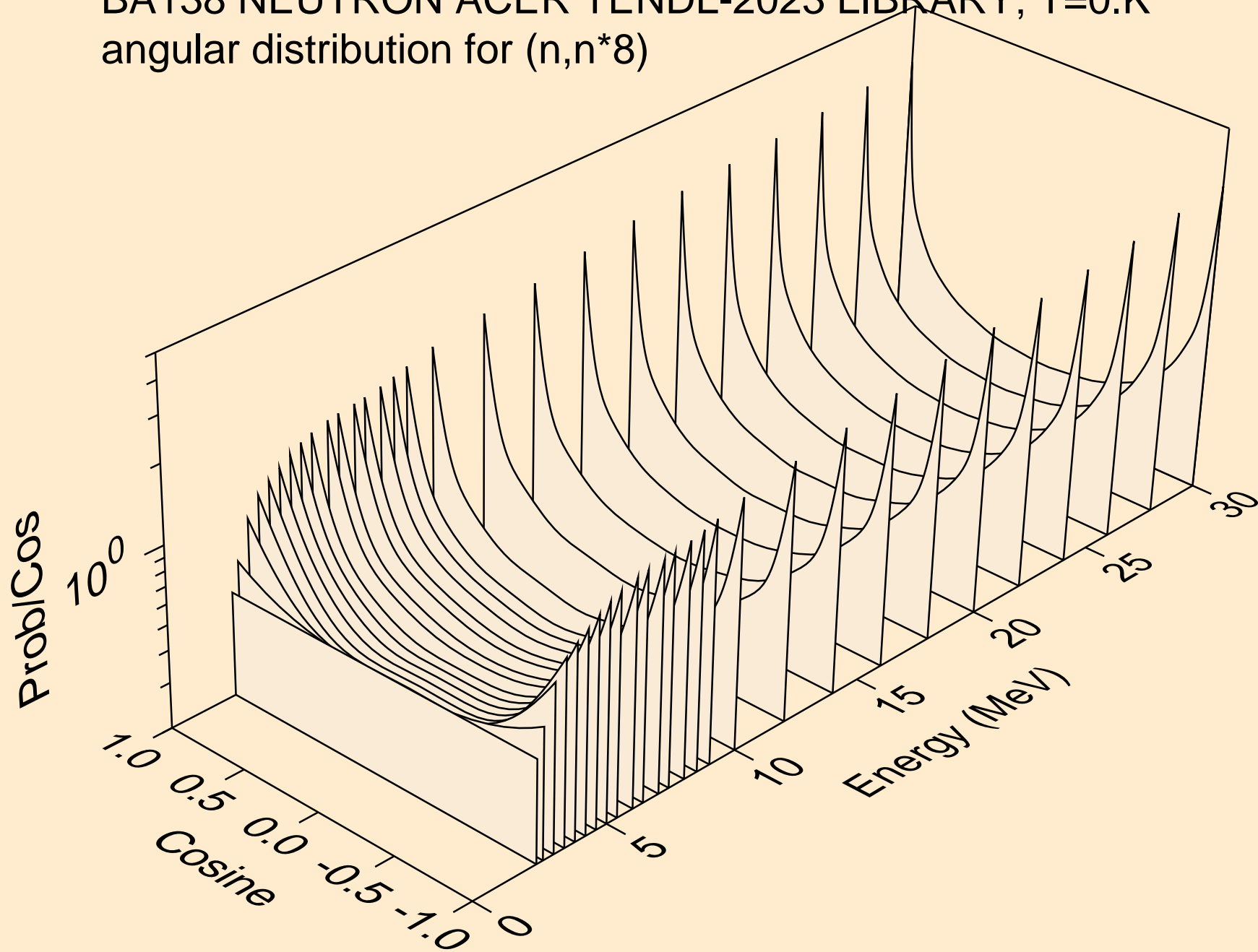
BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*6)



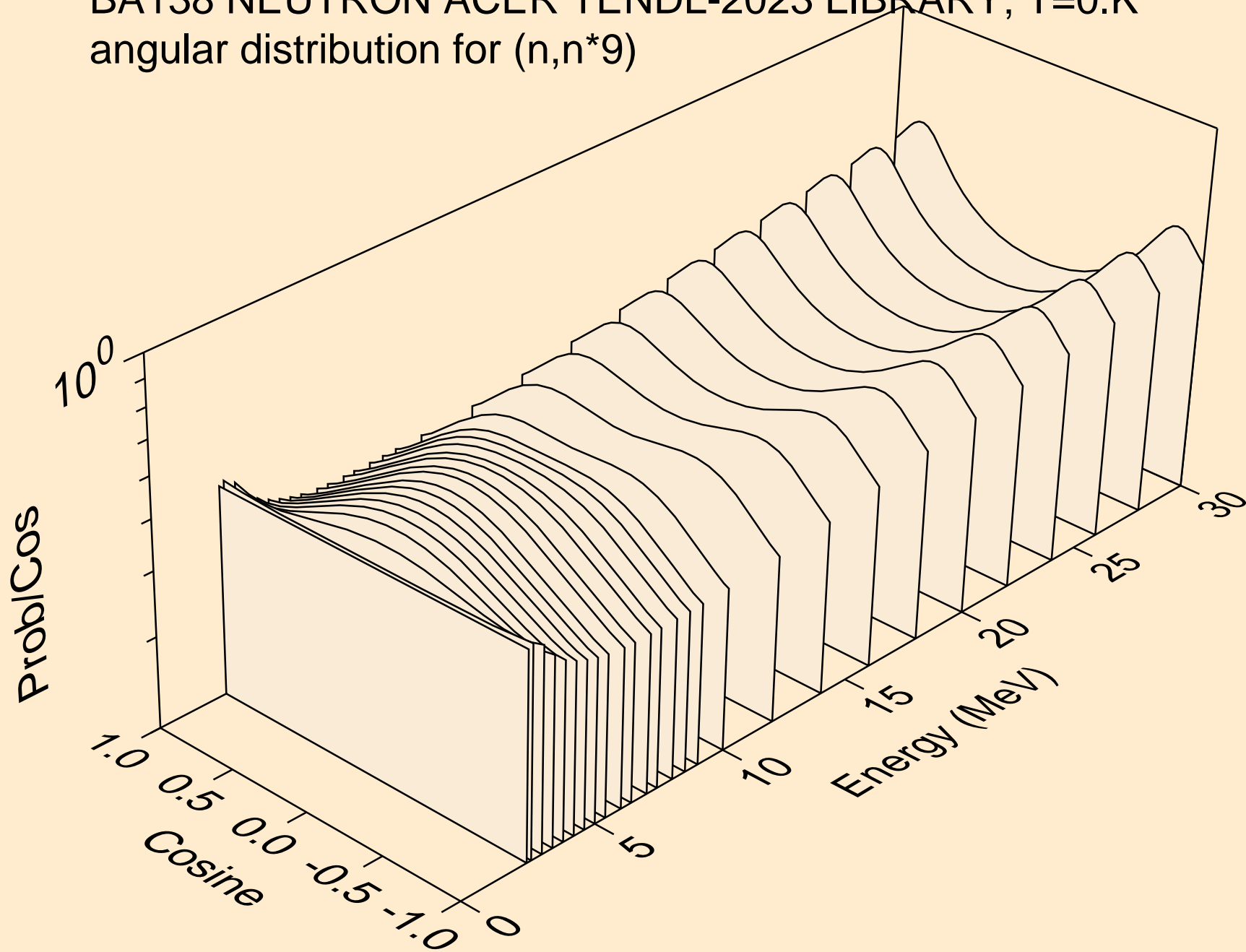
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angular distribution for (n,n\*7)



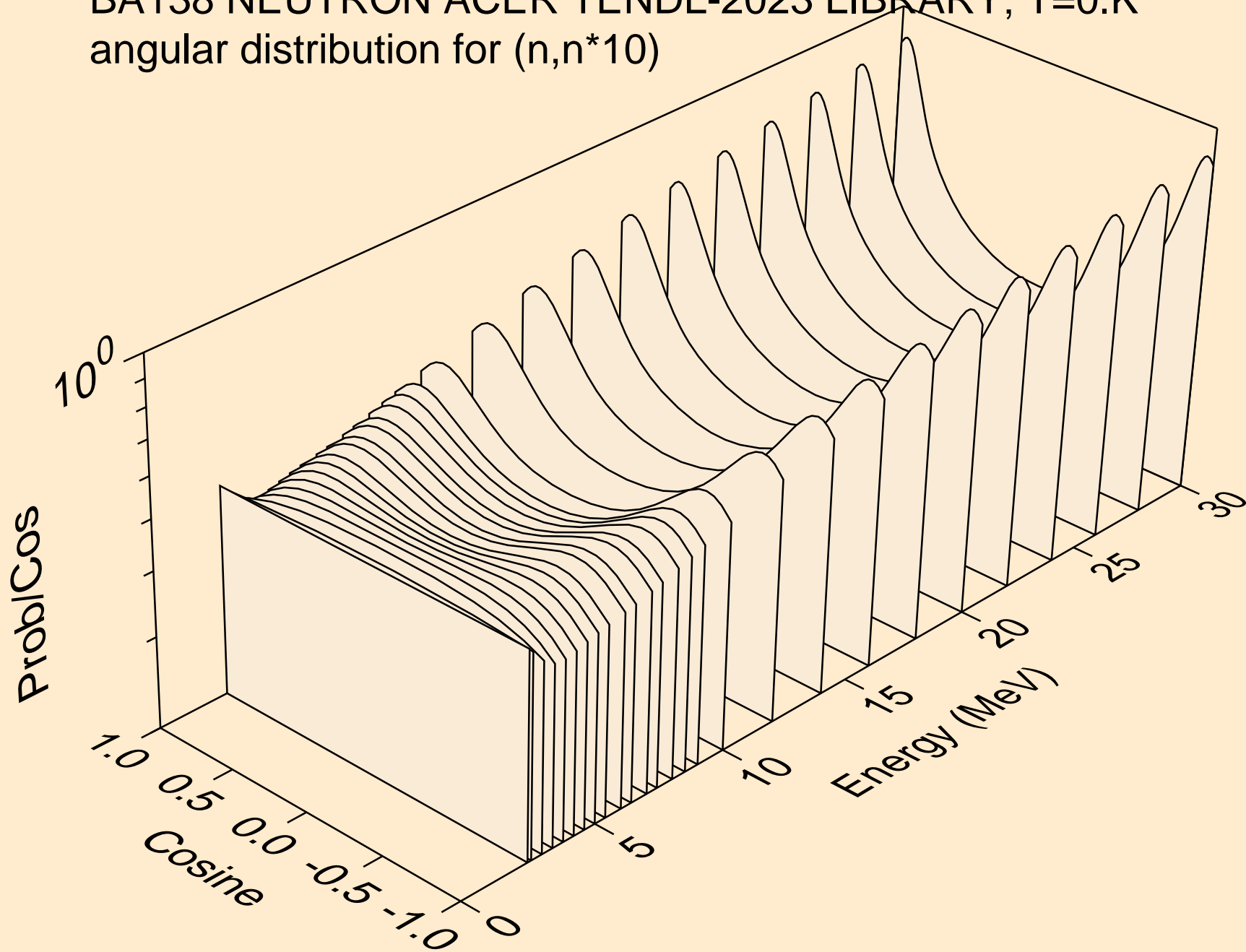
BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*8)



BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*9)

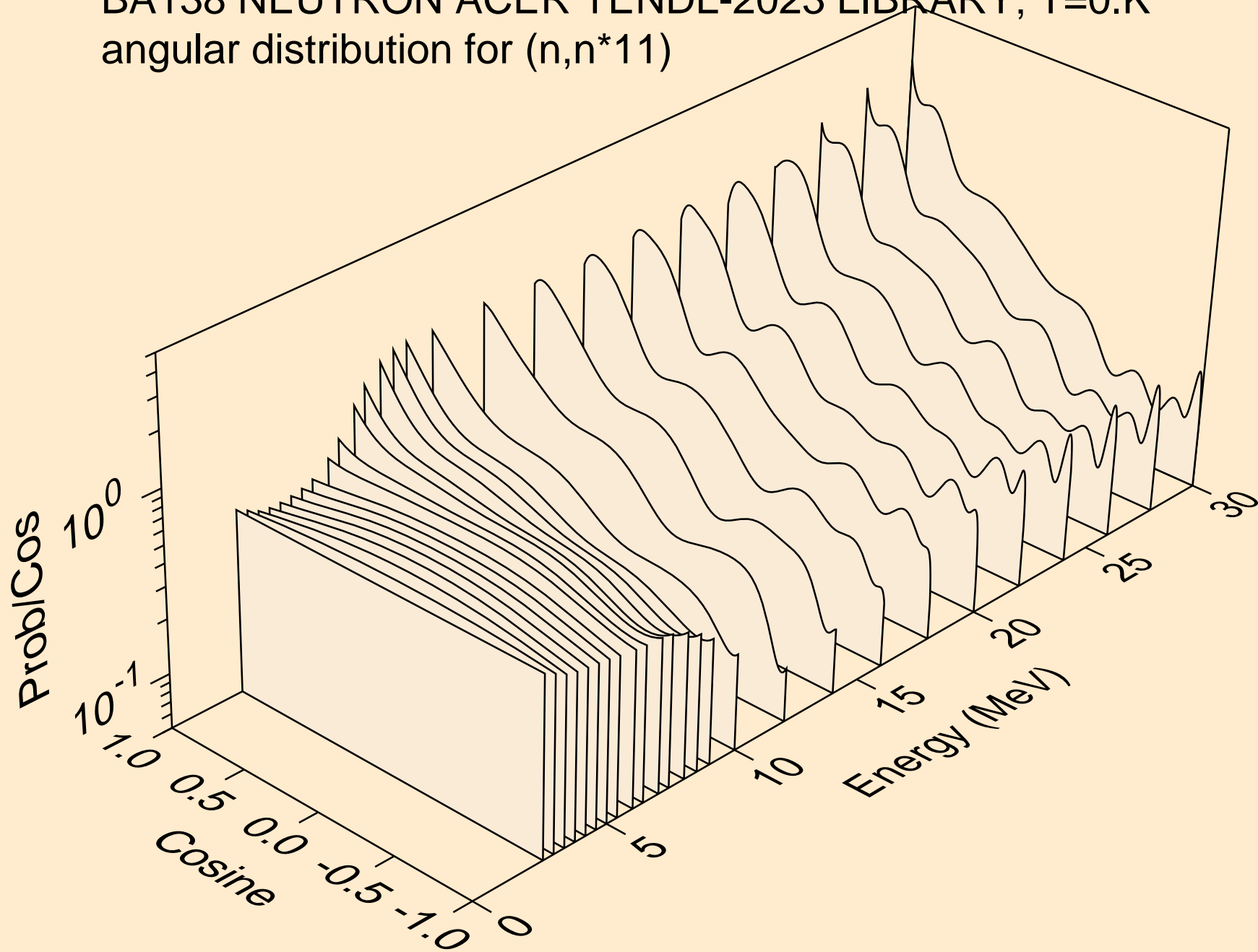


BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*10)

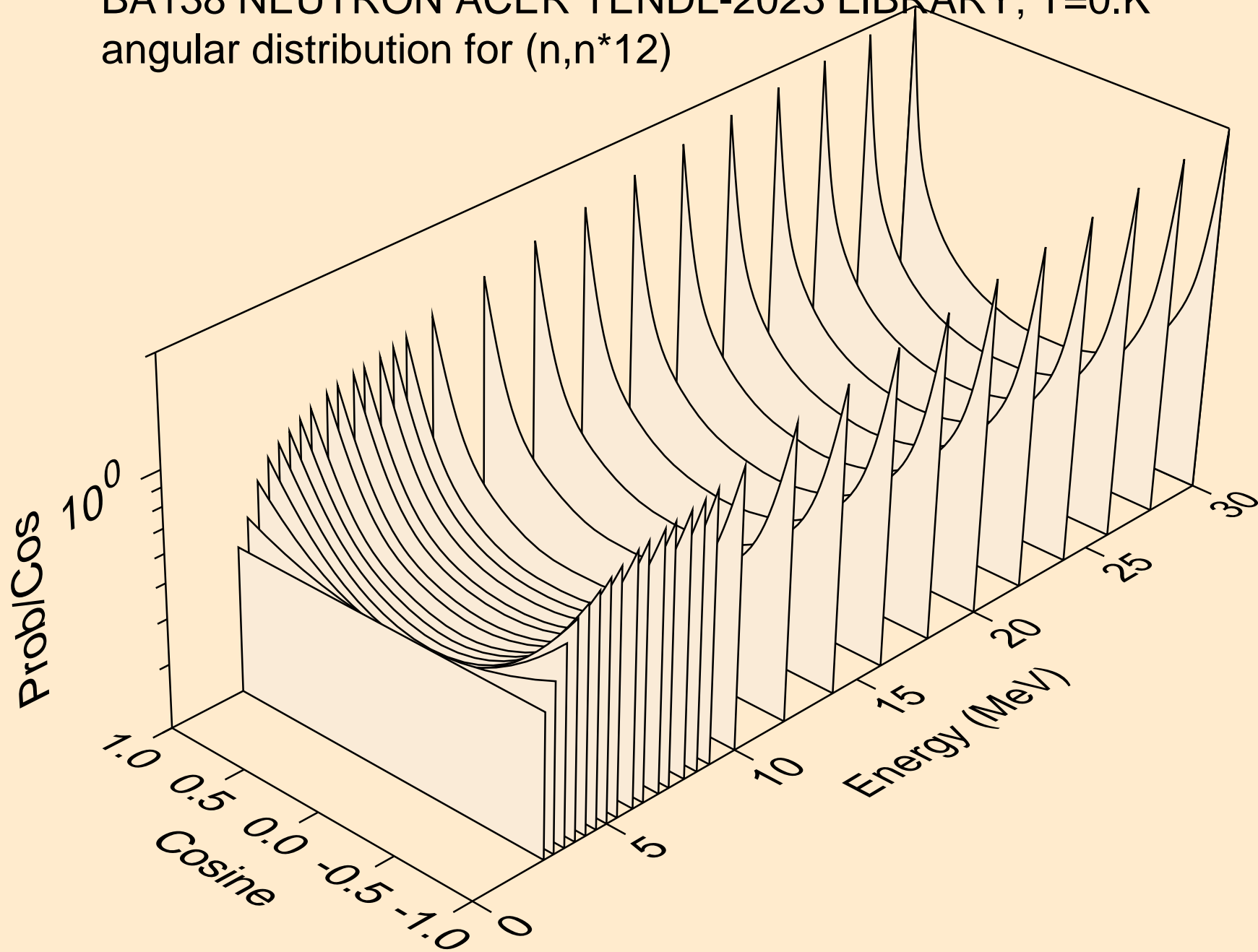




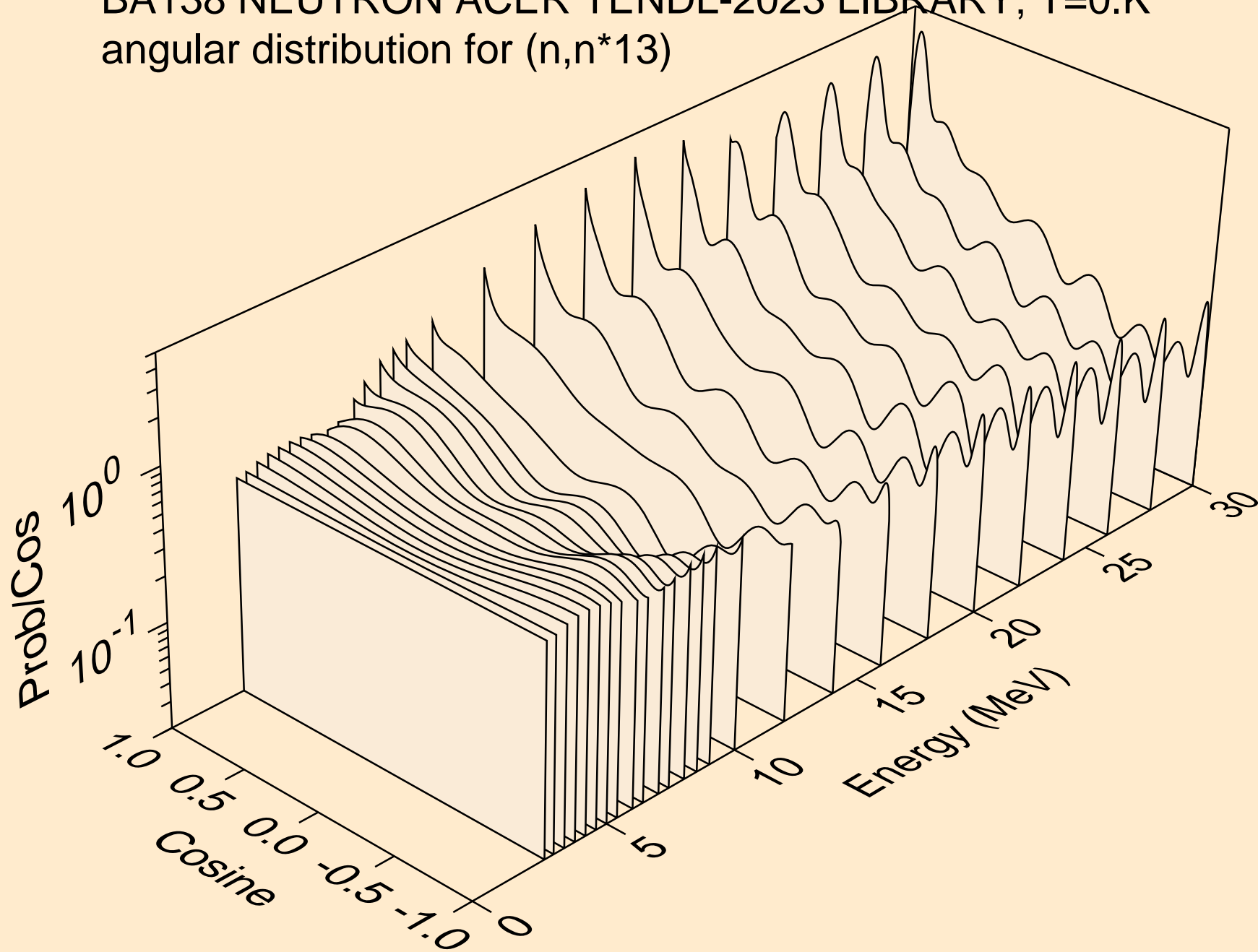
BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*11)



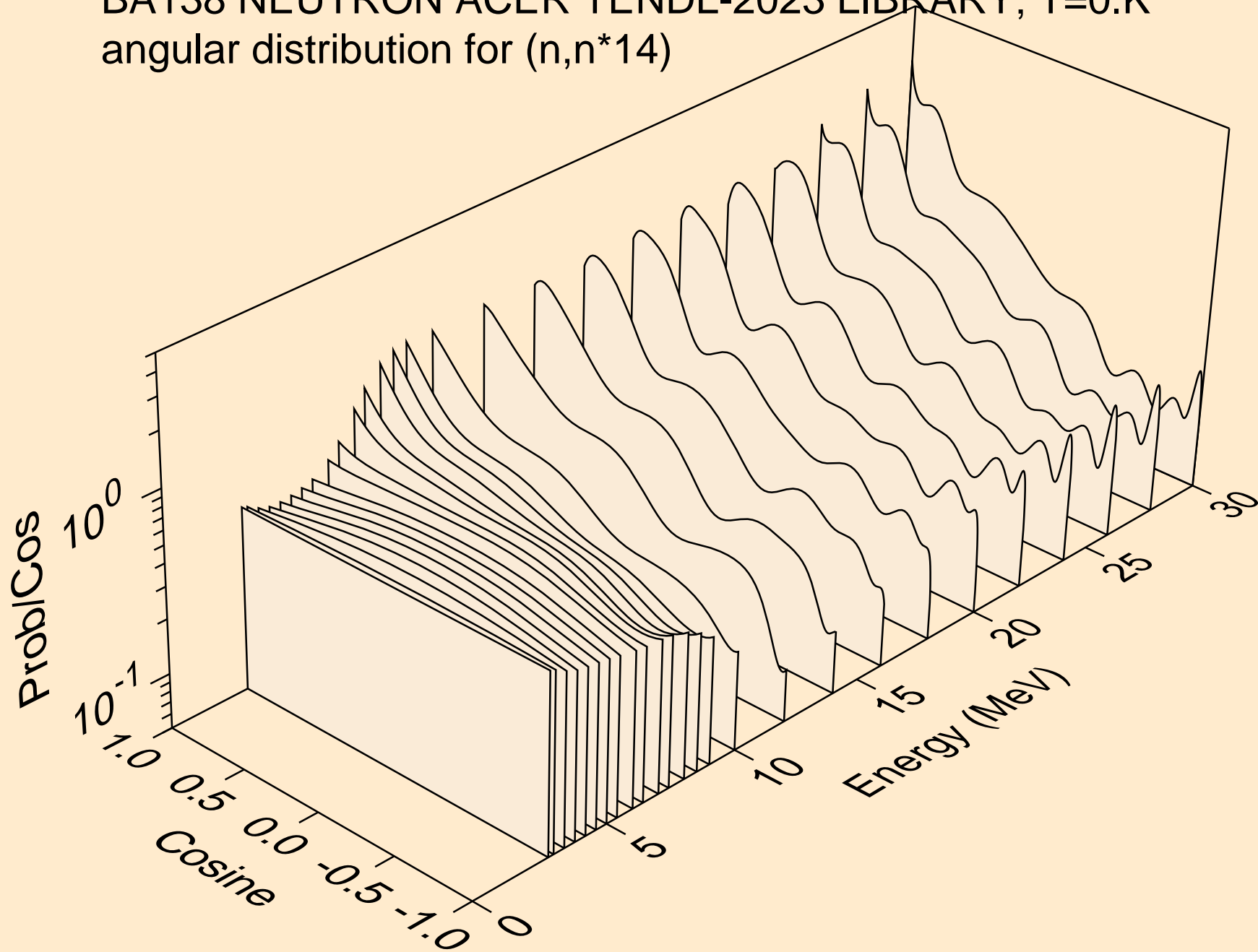
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angular distribution for (n,n\*12)



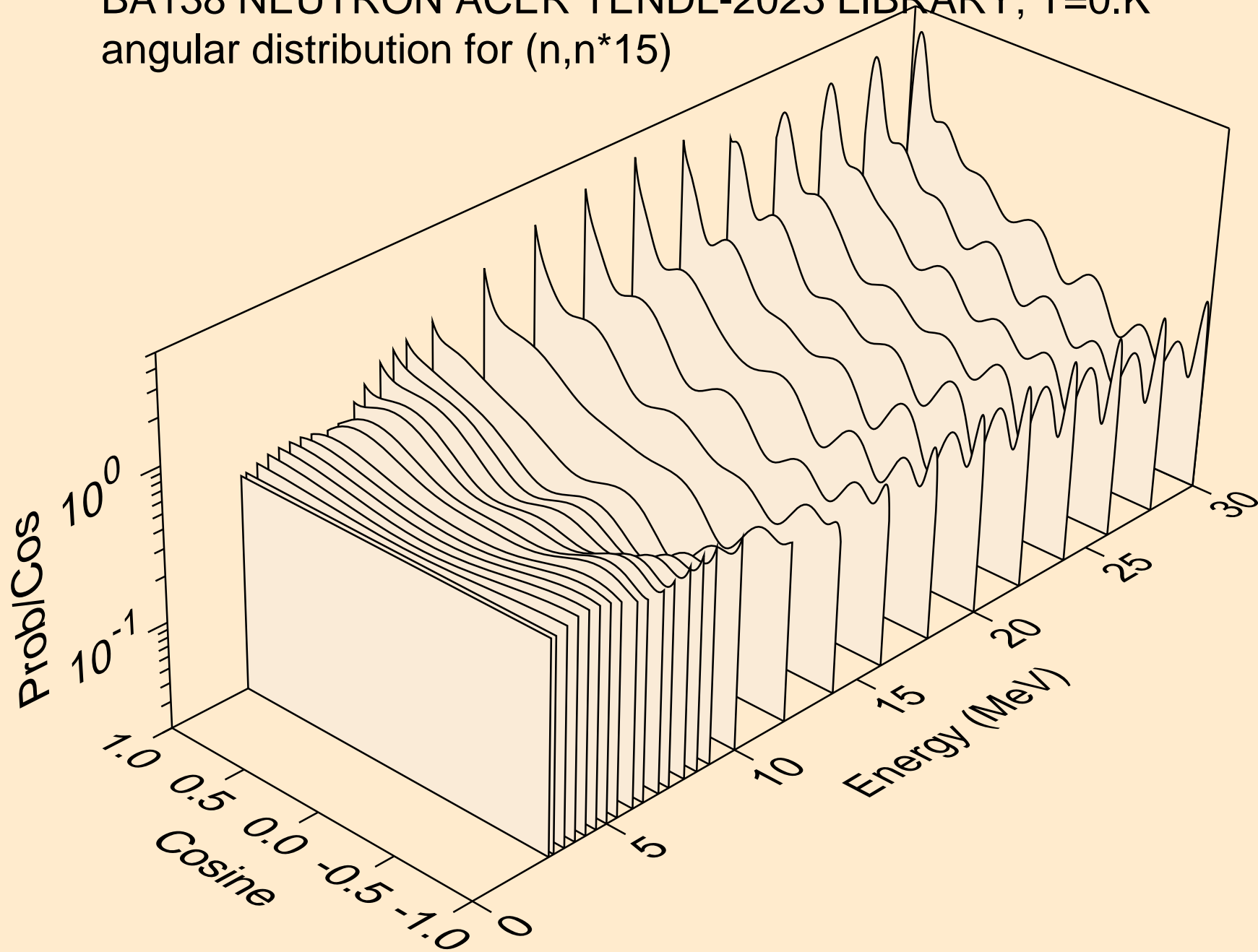
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angular distribution for (n,n\*13)



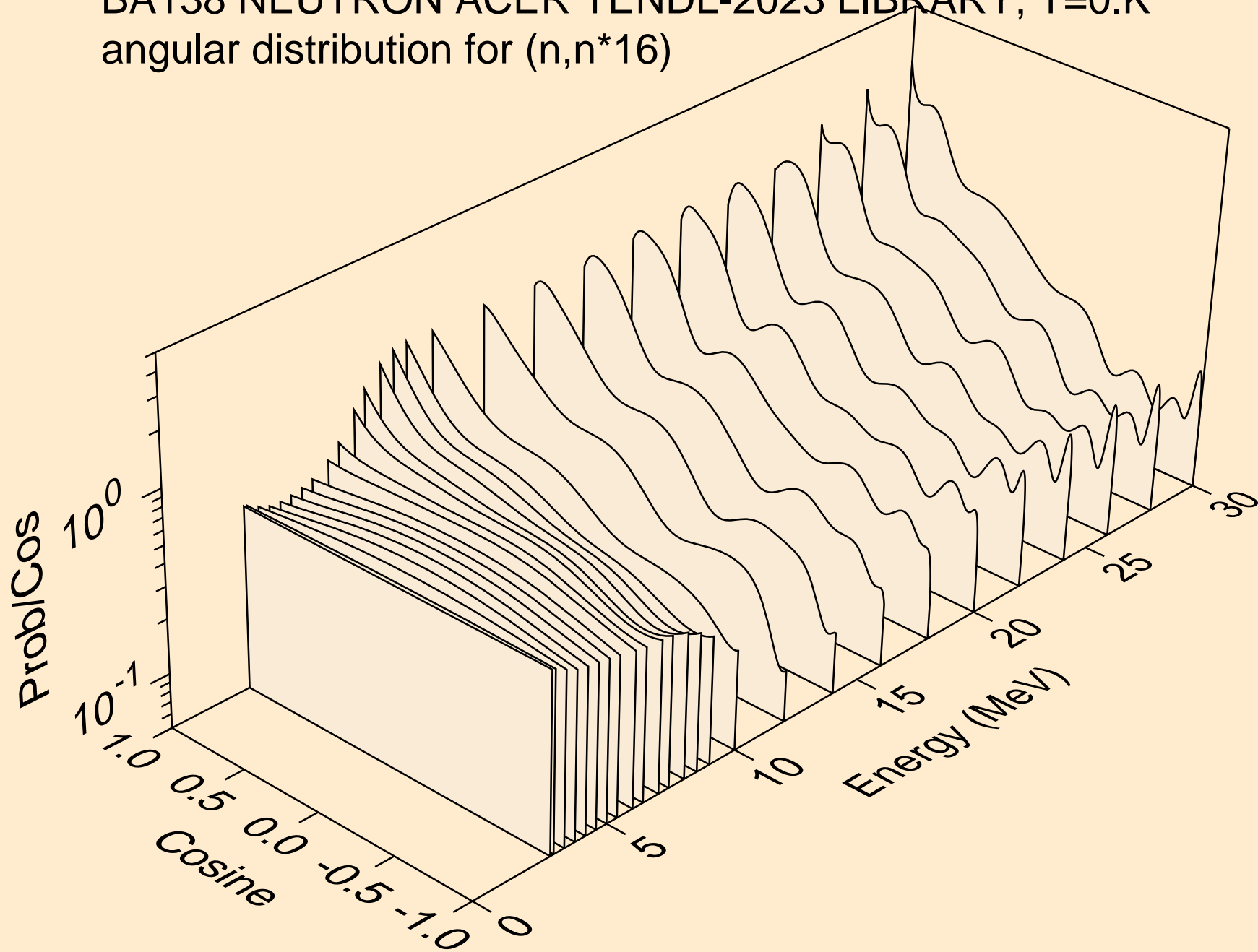
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angular distribution for (n,n\*14)



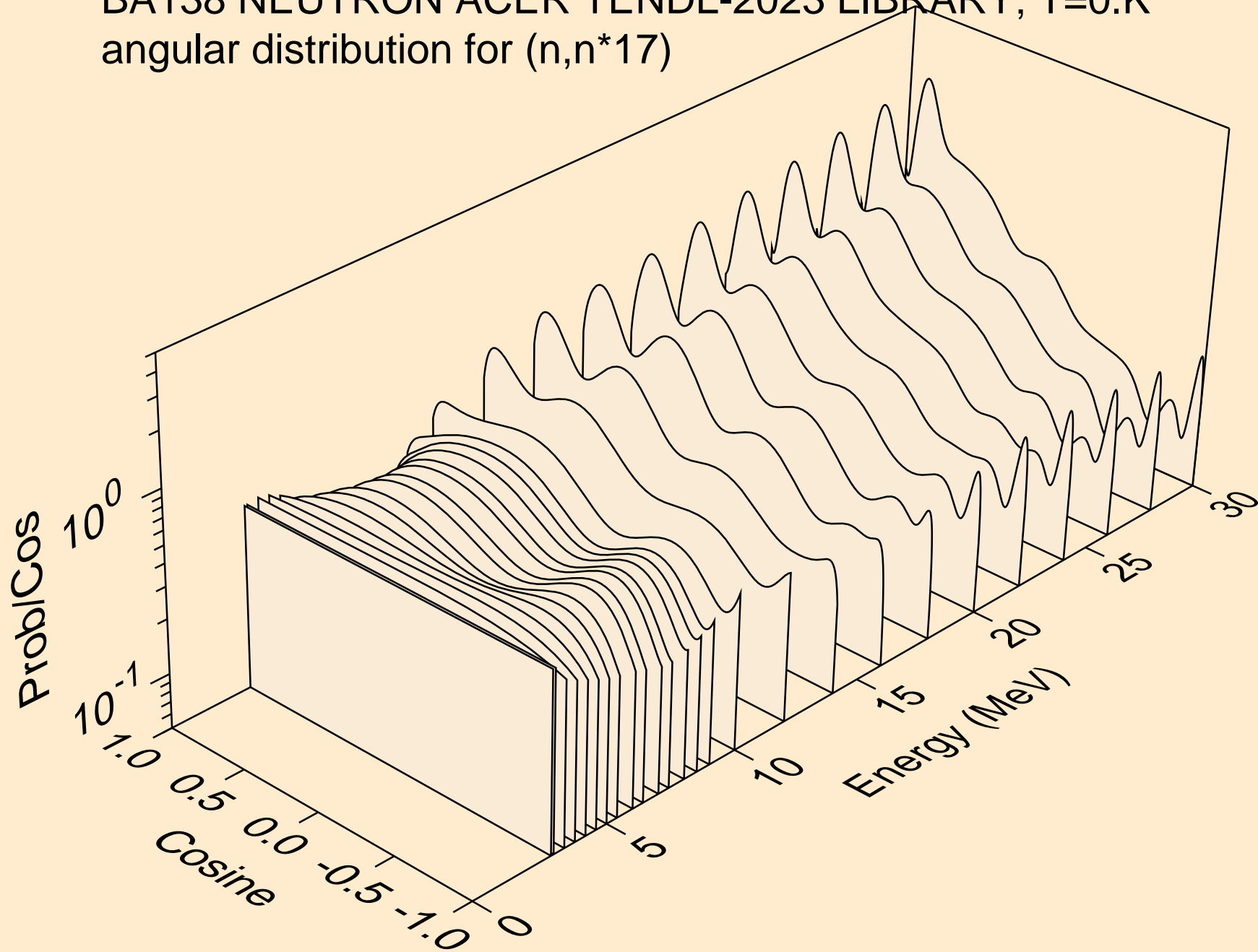
BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*15)



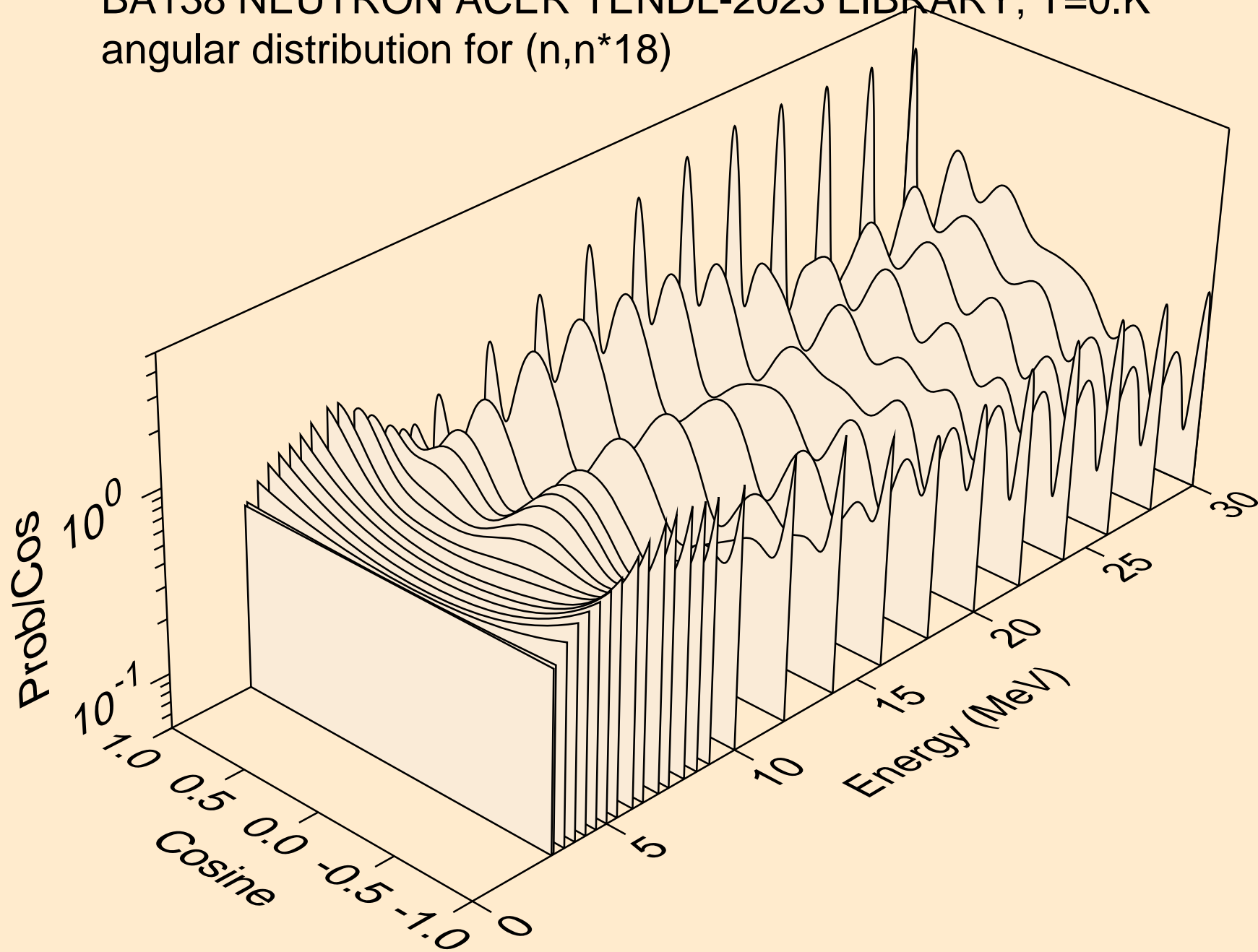
BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*16)



BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*17)

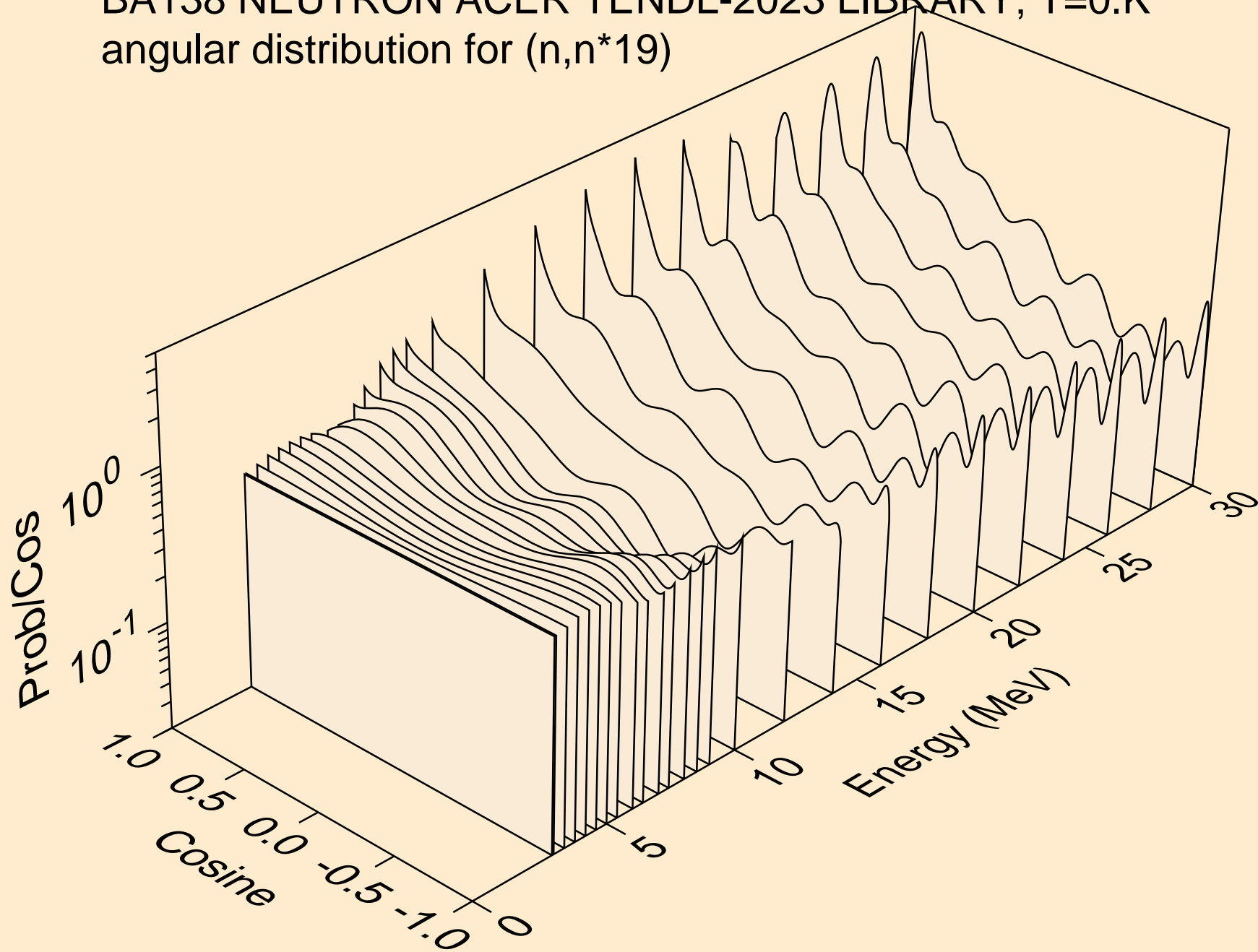


BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*18)

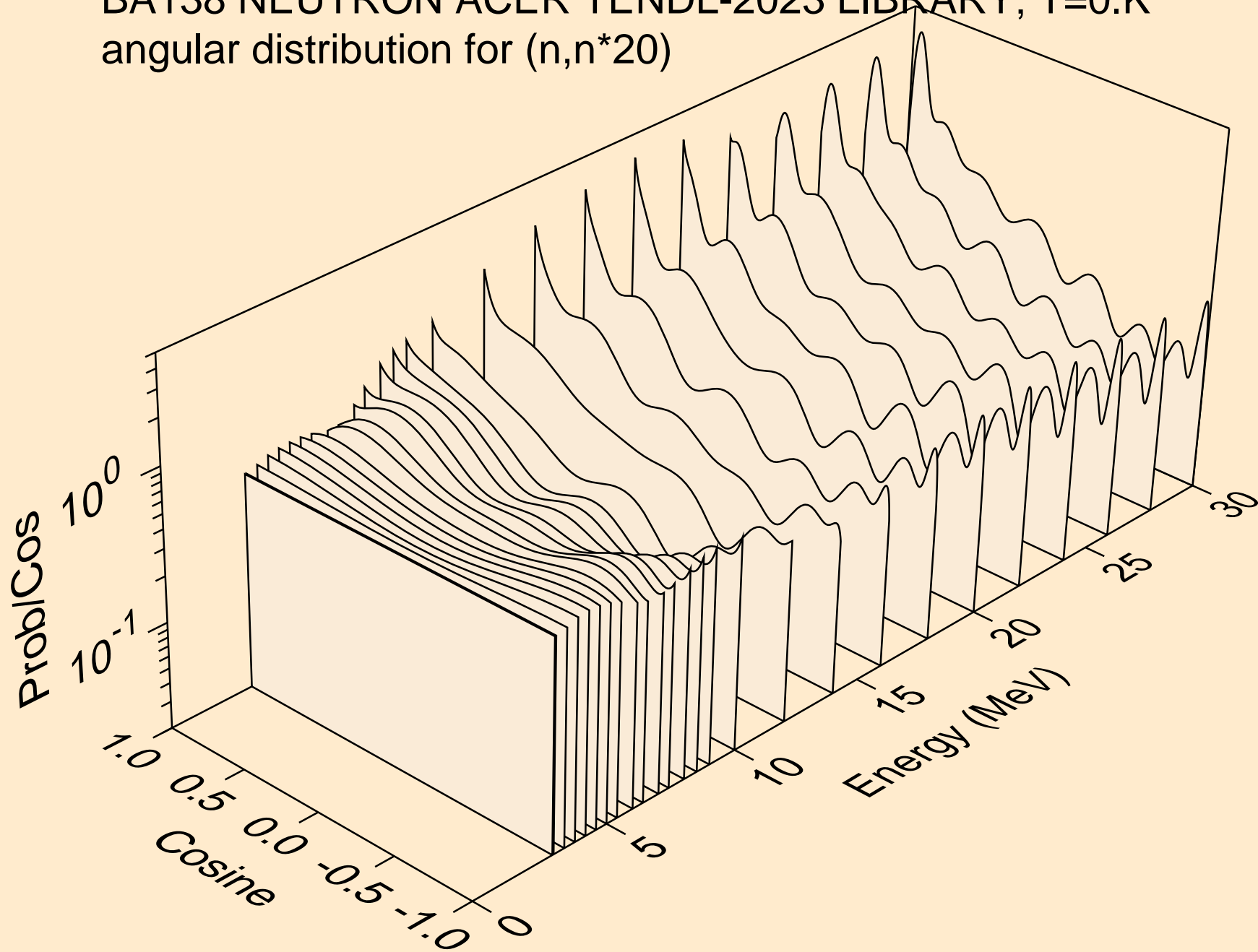




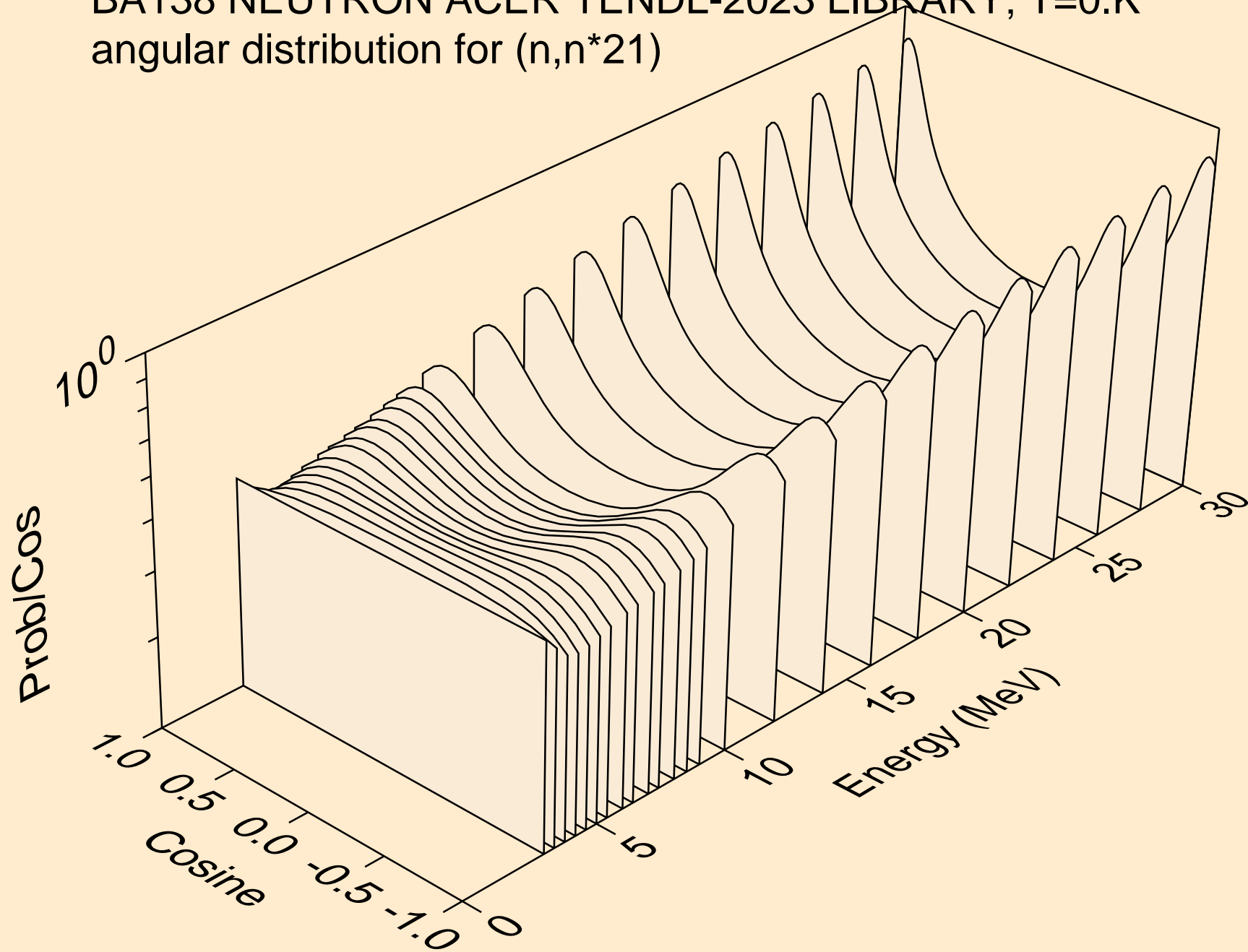
BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*19)



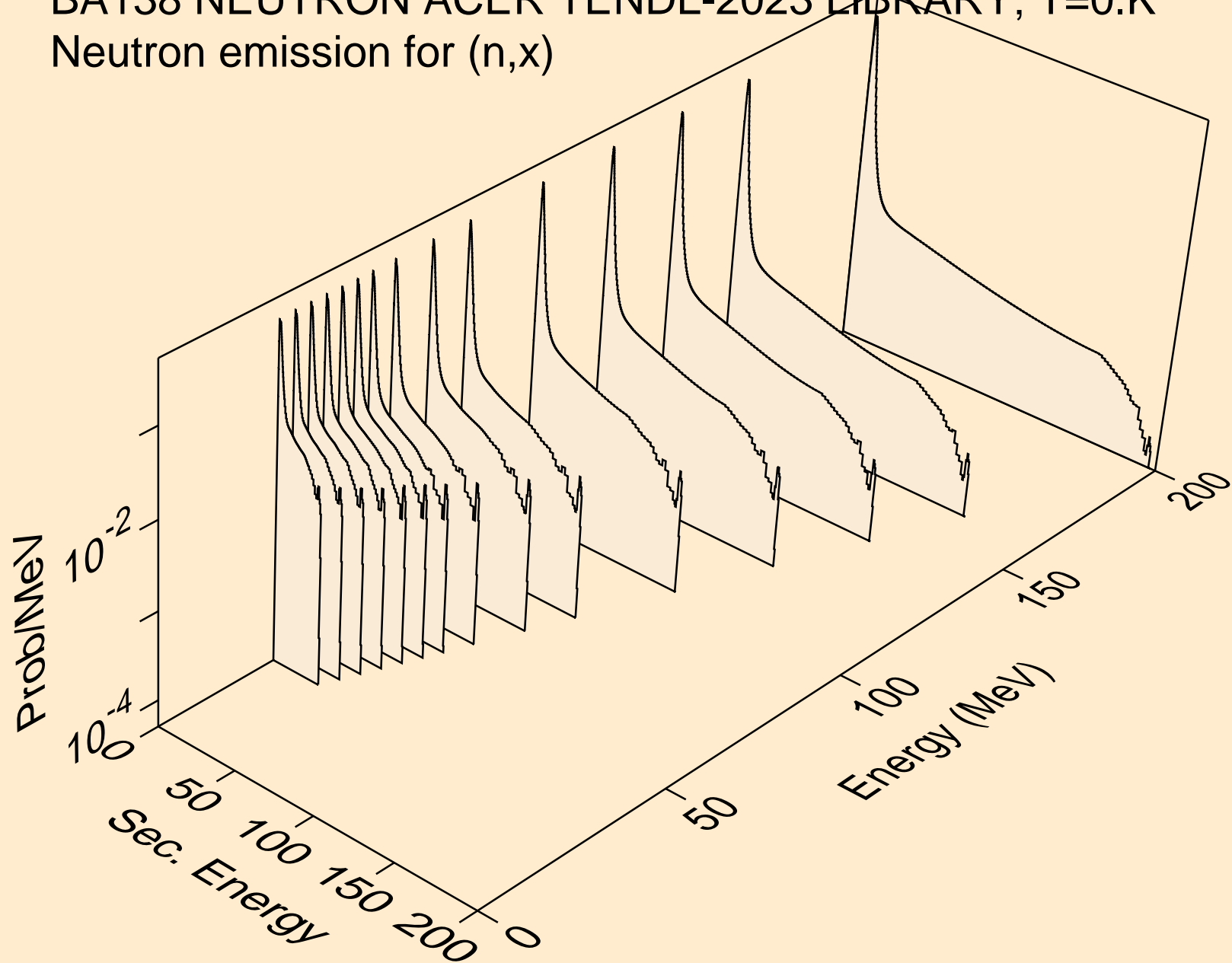
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angular distribution for (n,n\*20)



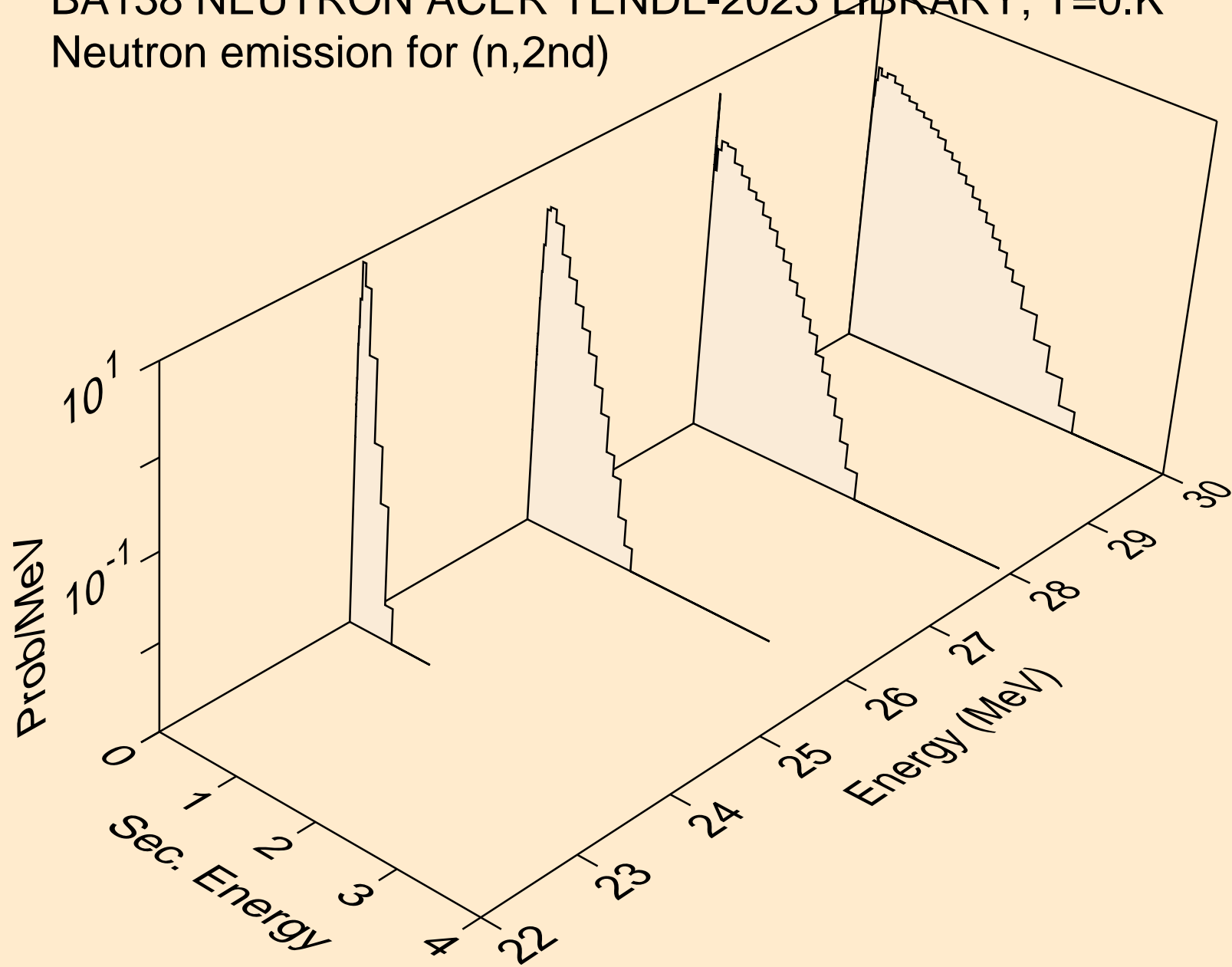
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angular distribution for (n,n\*21)



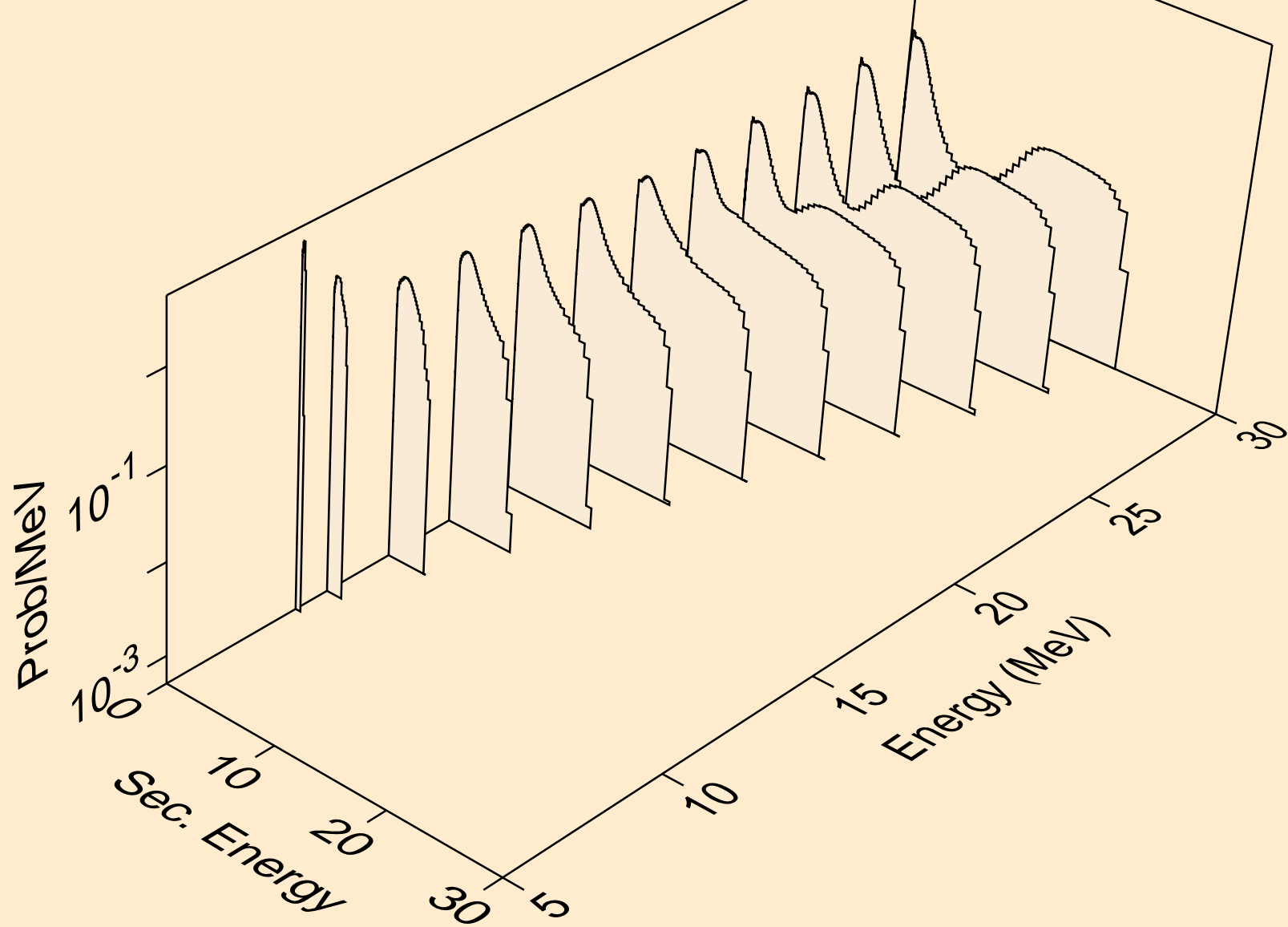
BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,x)



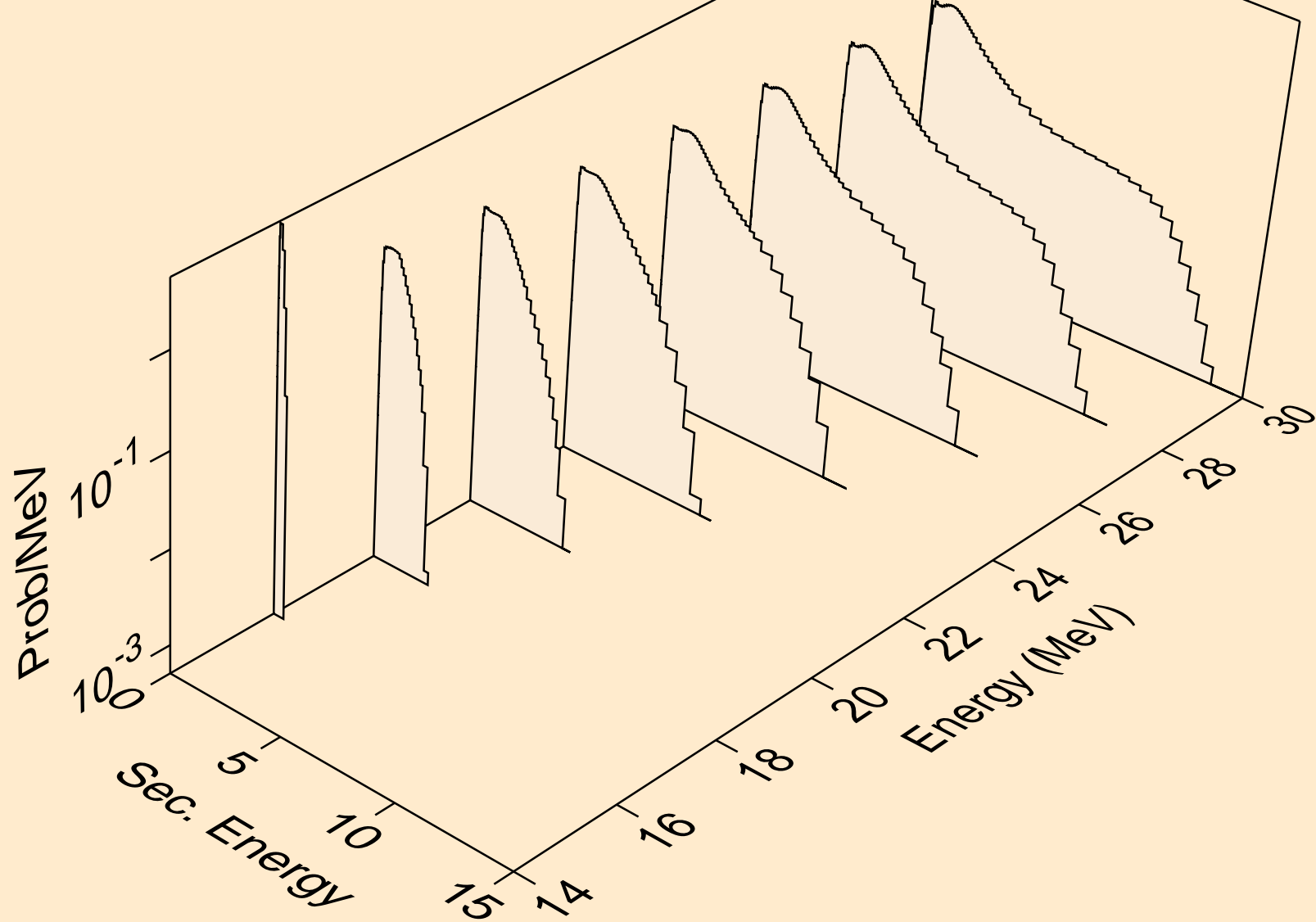
BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



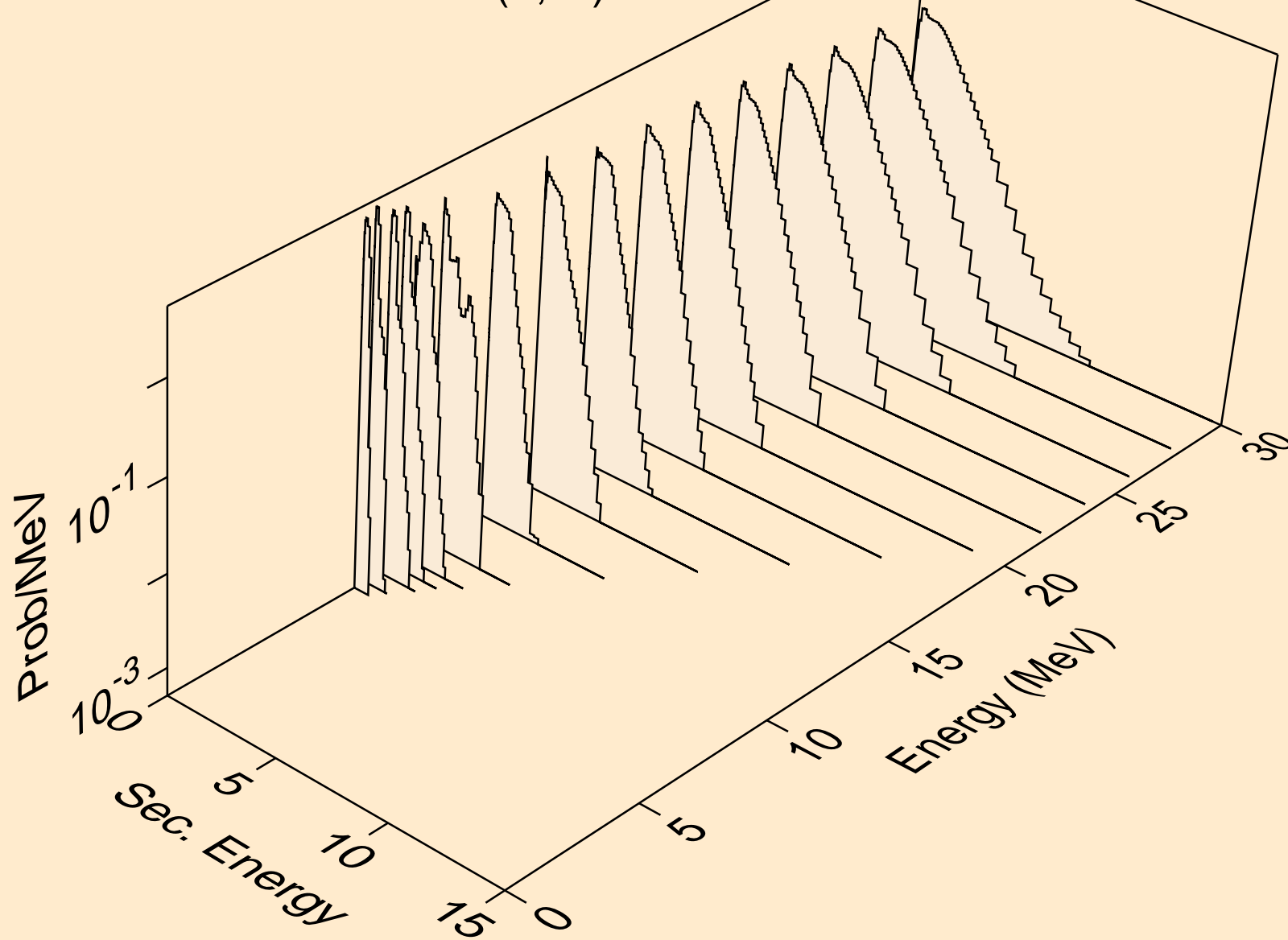
BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)



BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)

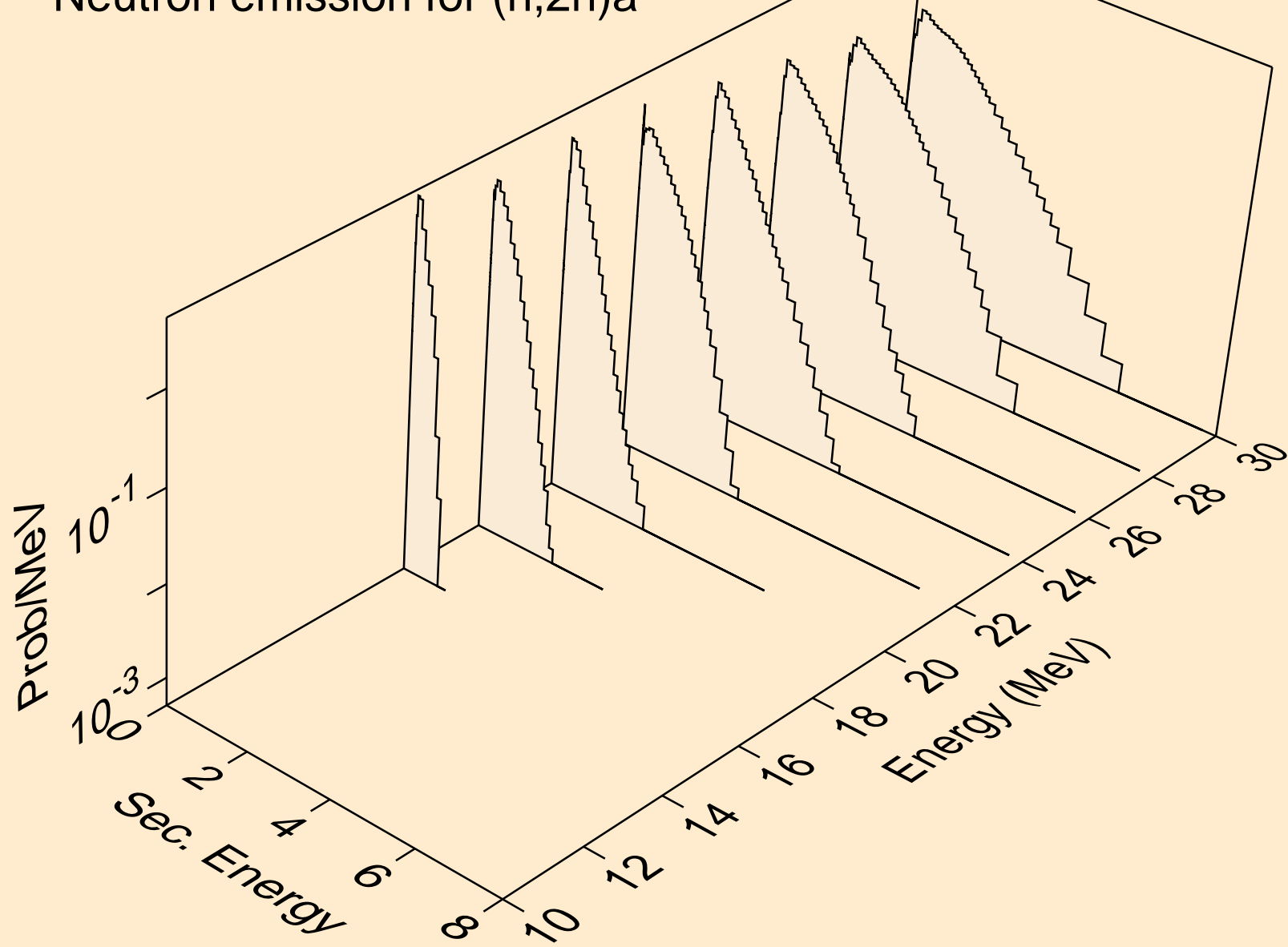


BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a

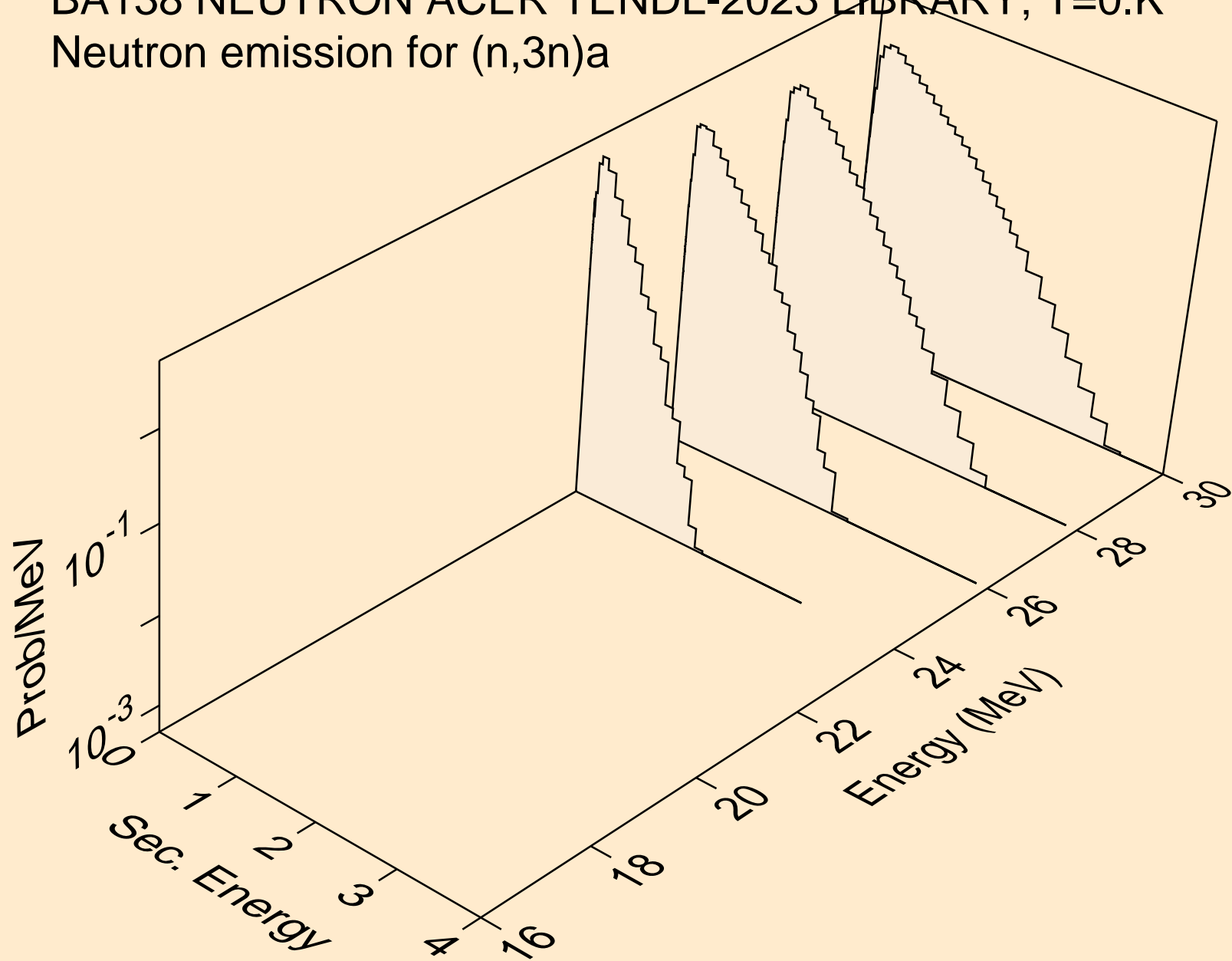




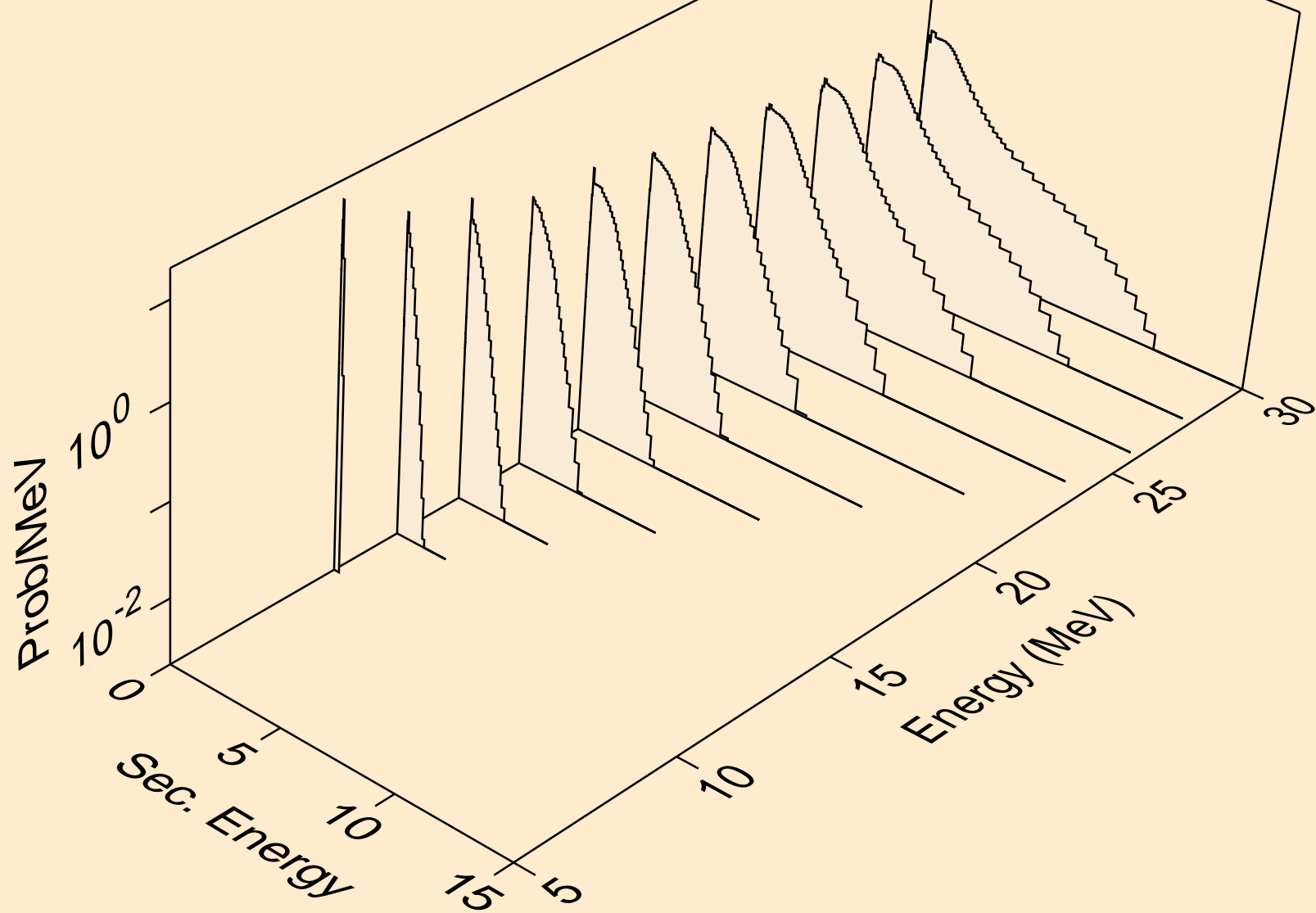
BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)<sub>a</sub>



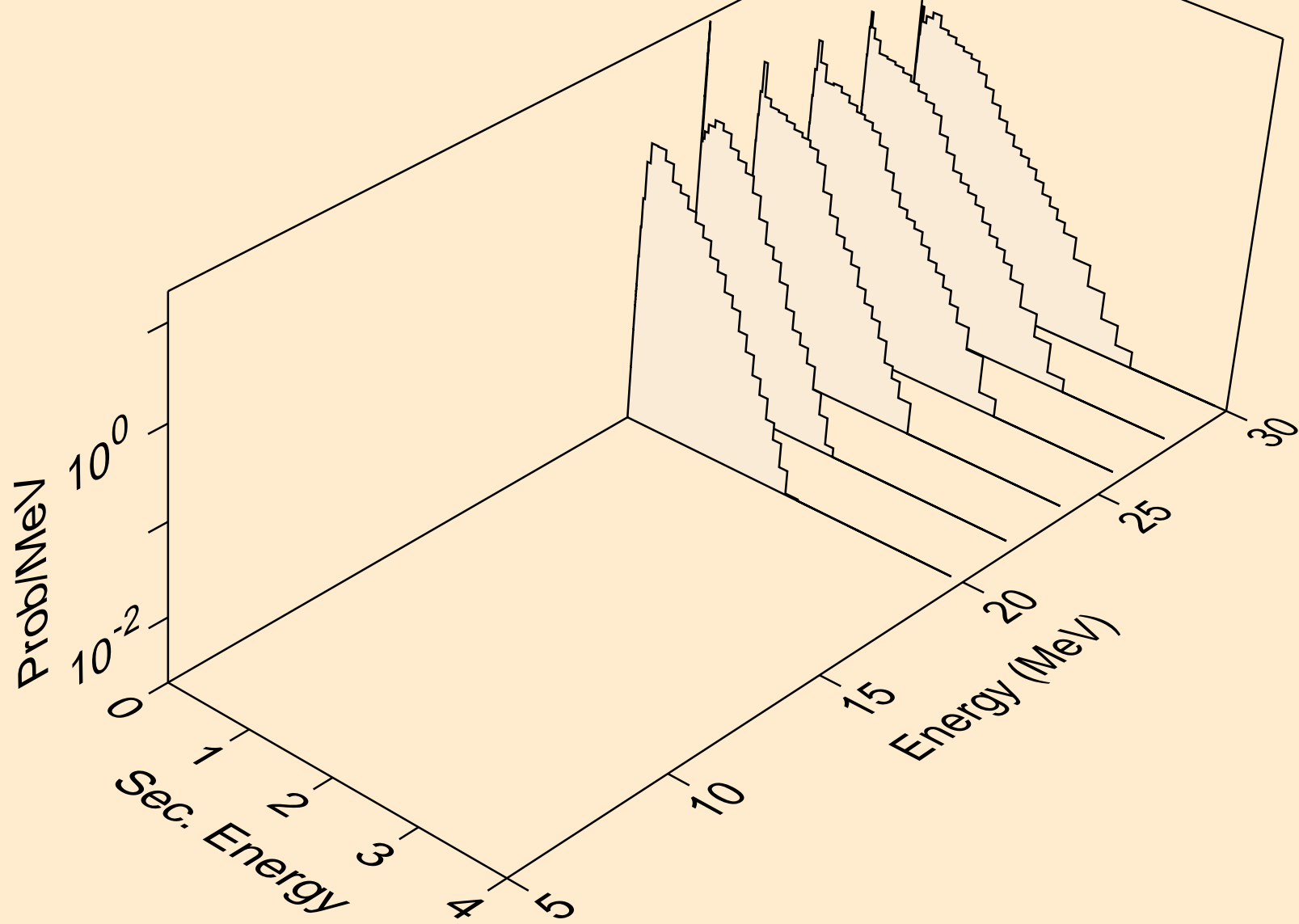
BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)a



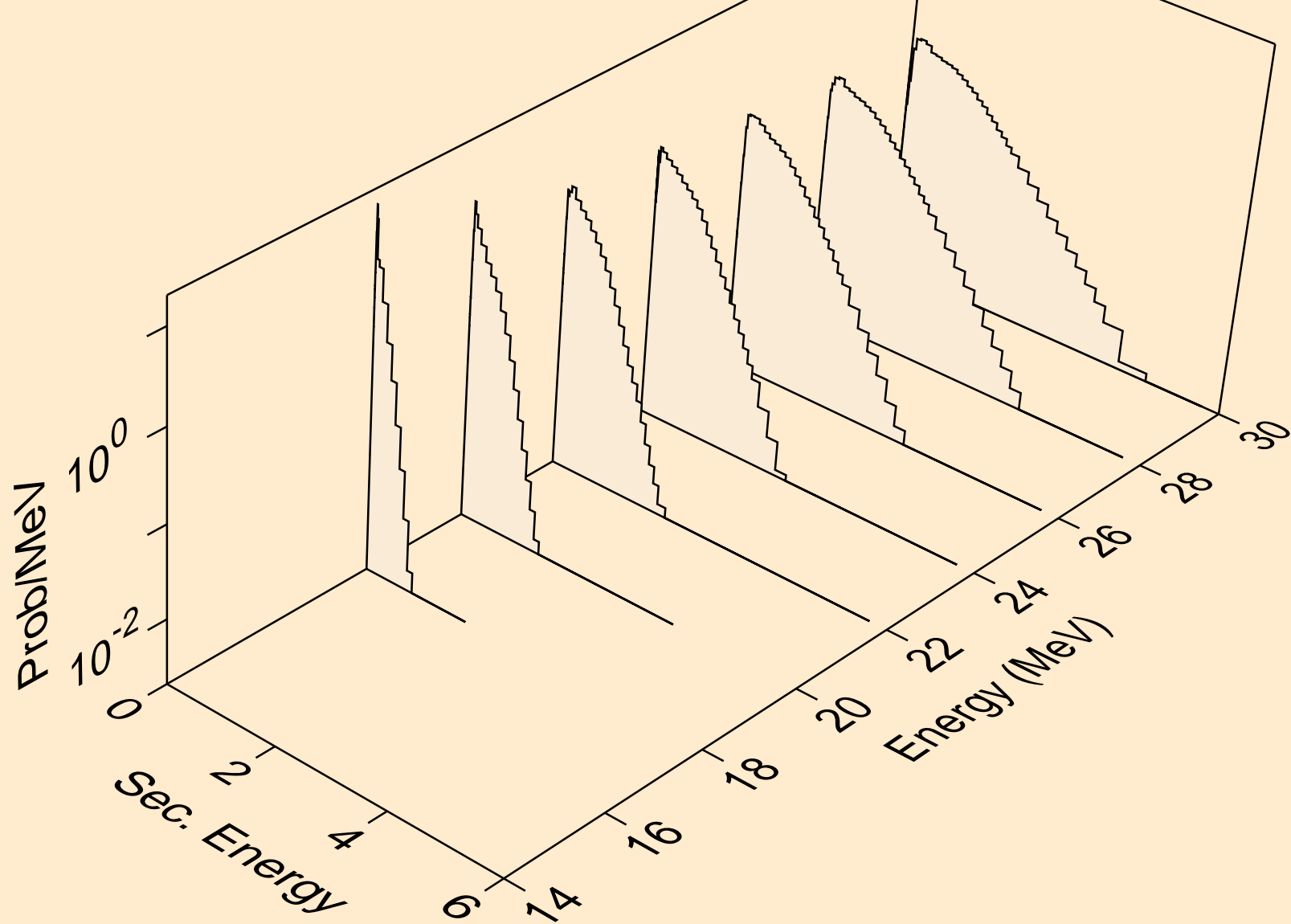
BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



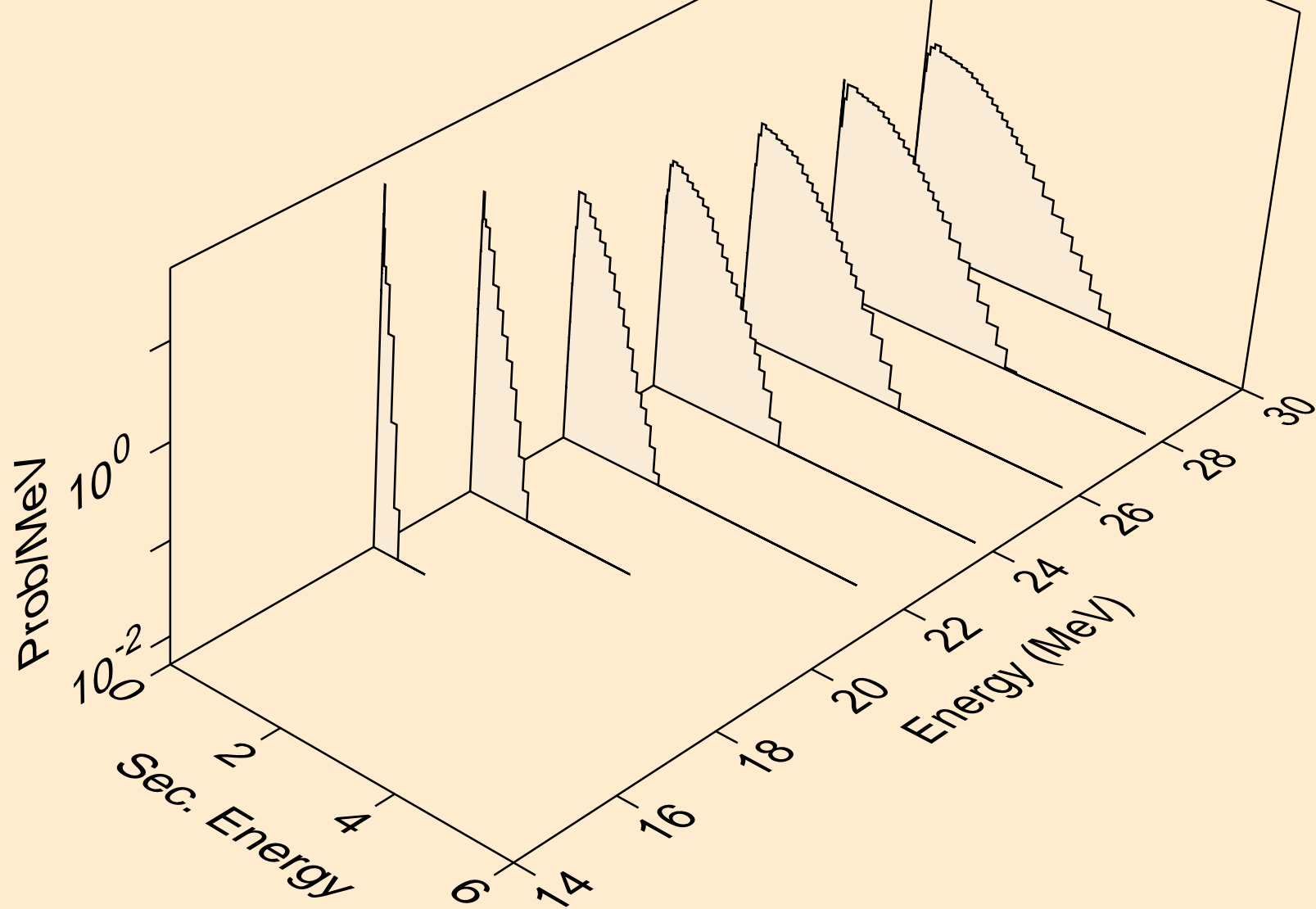
BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)2a



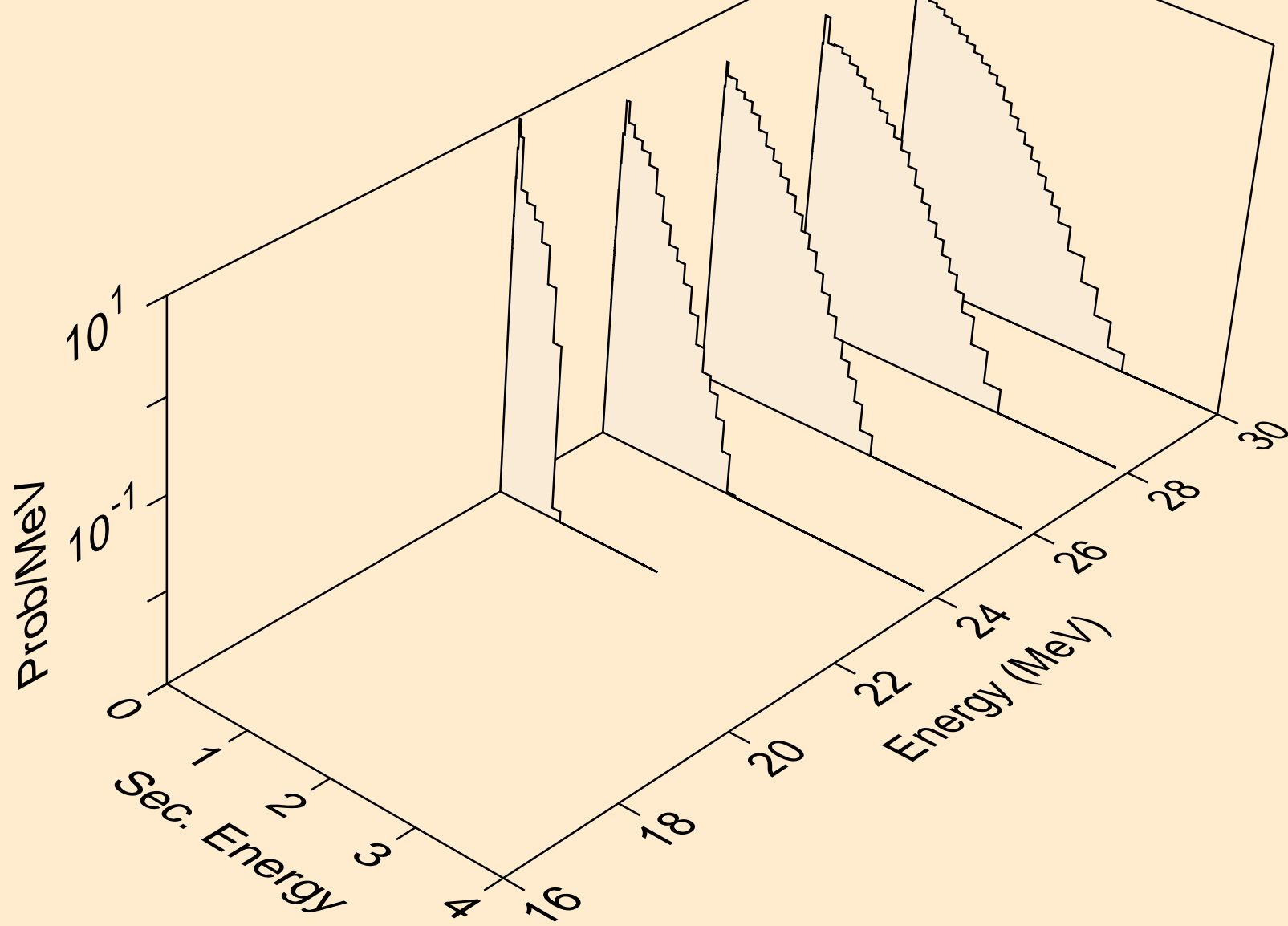
BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d



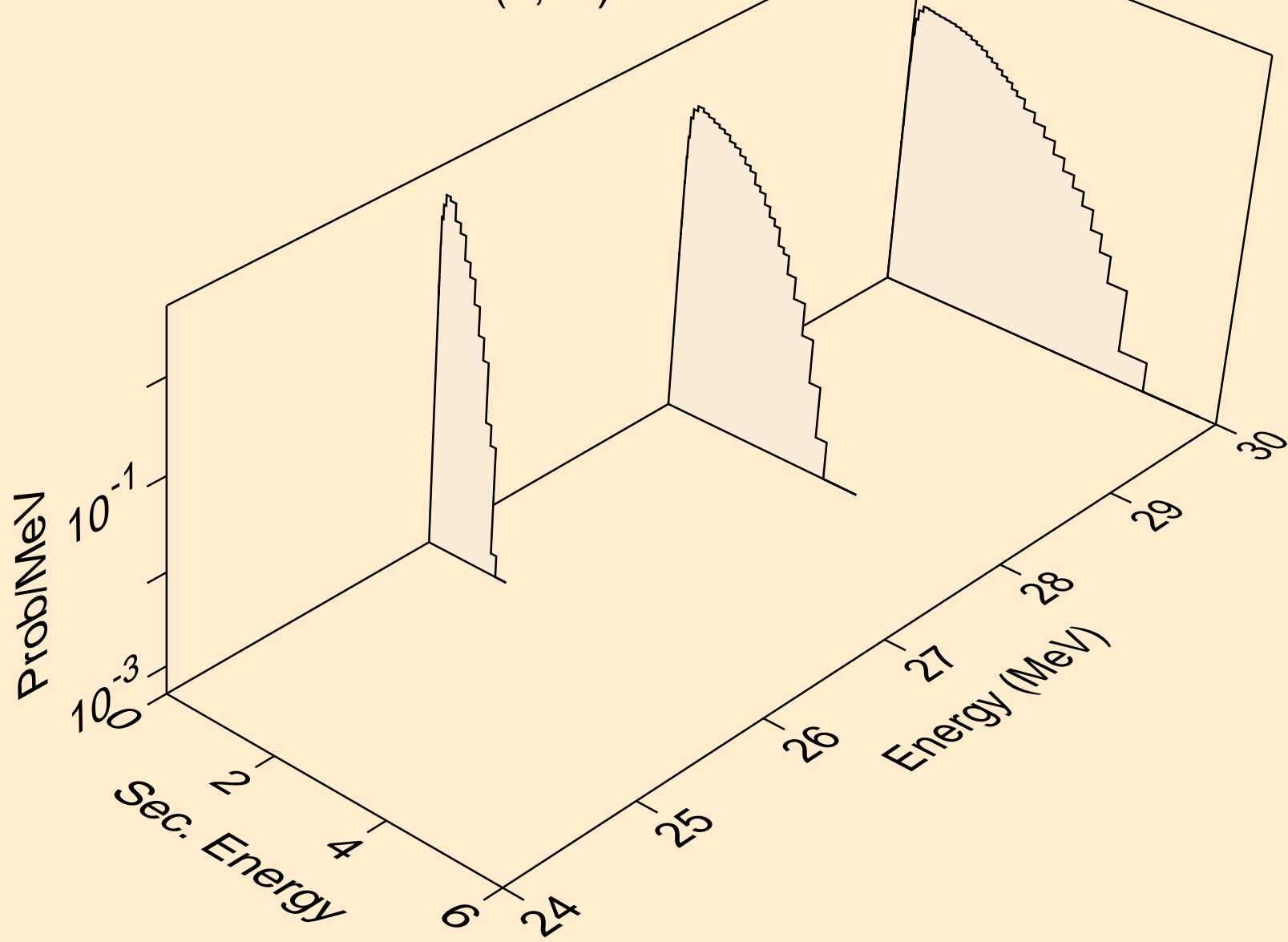
BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3

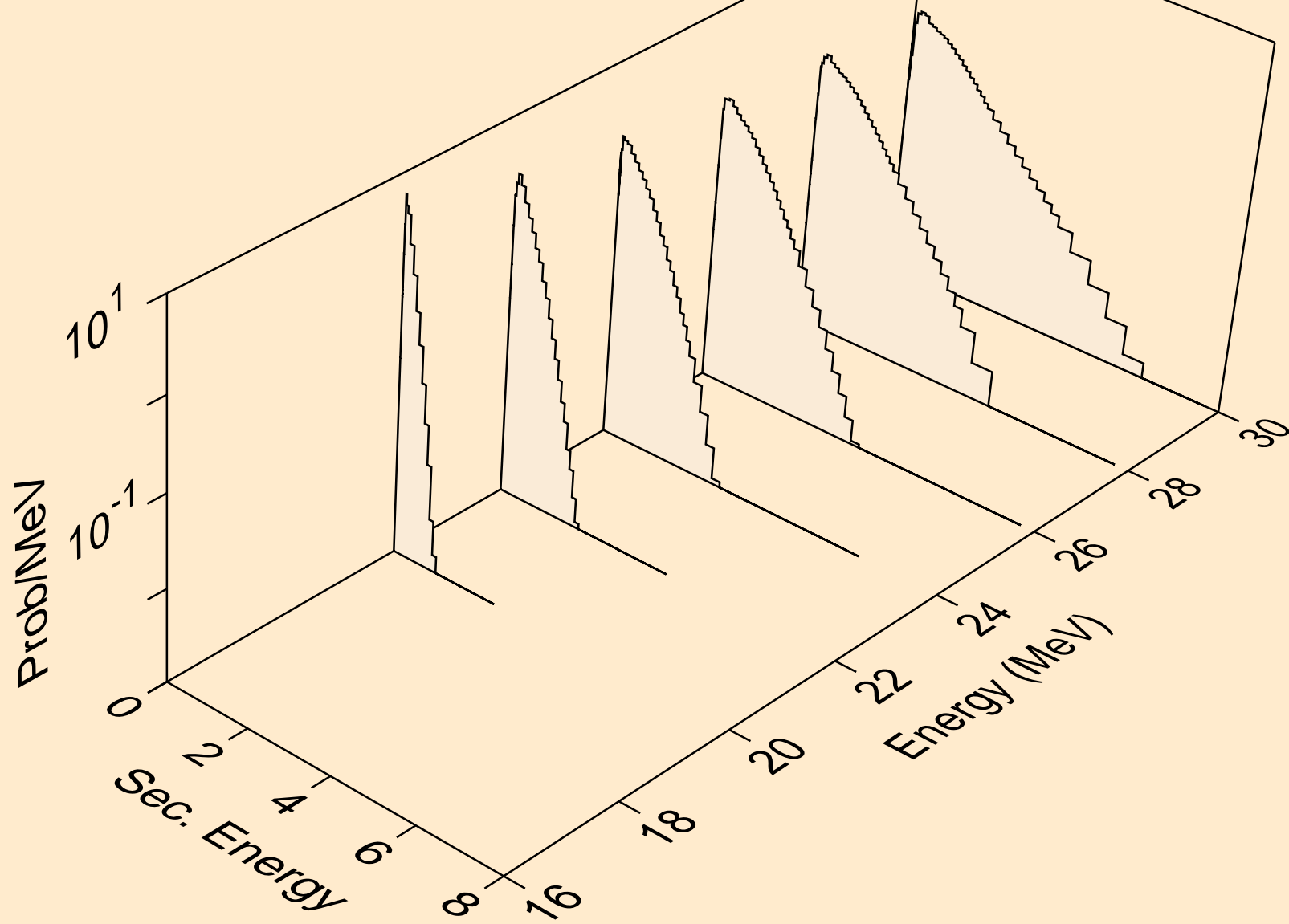


BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,4n)

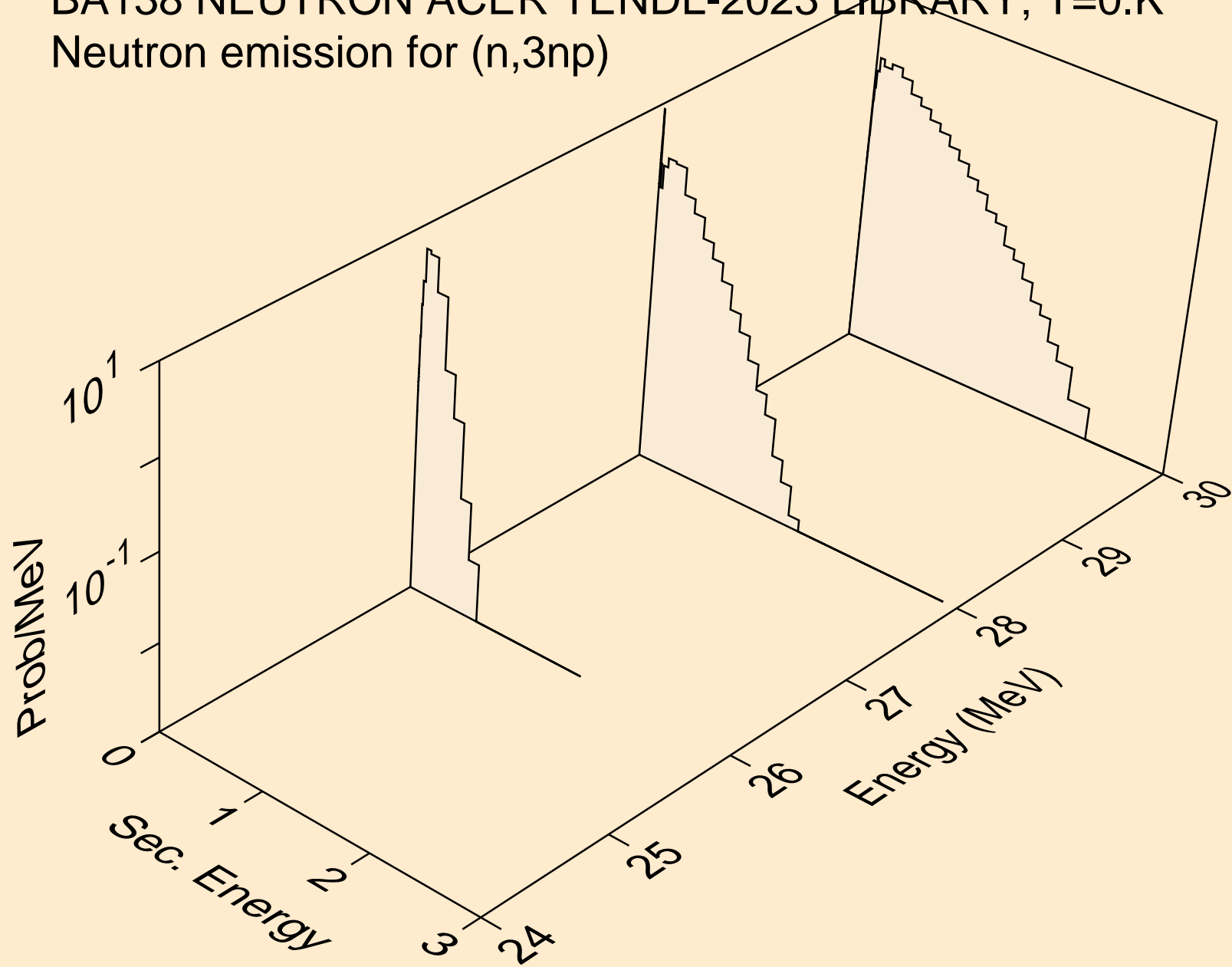




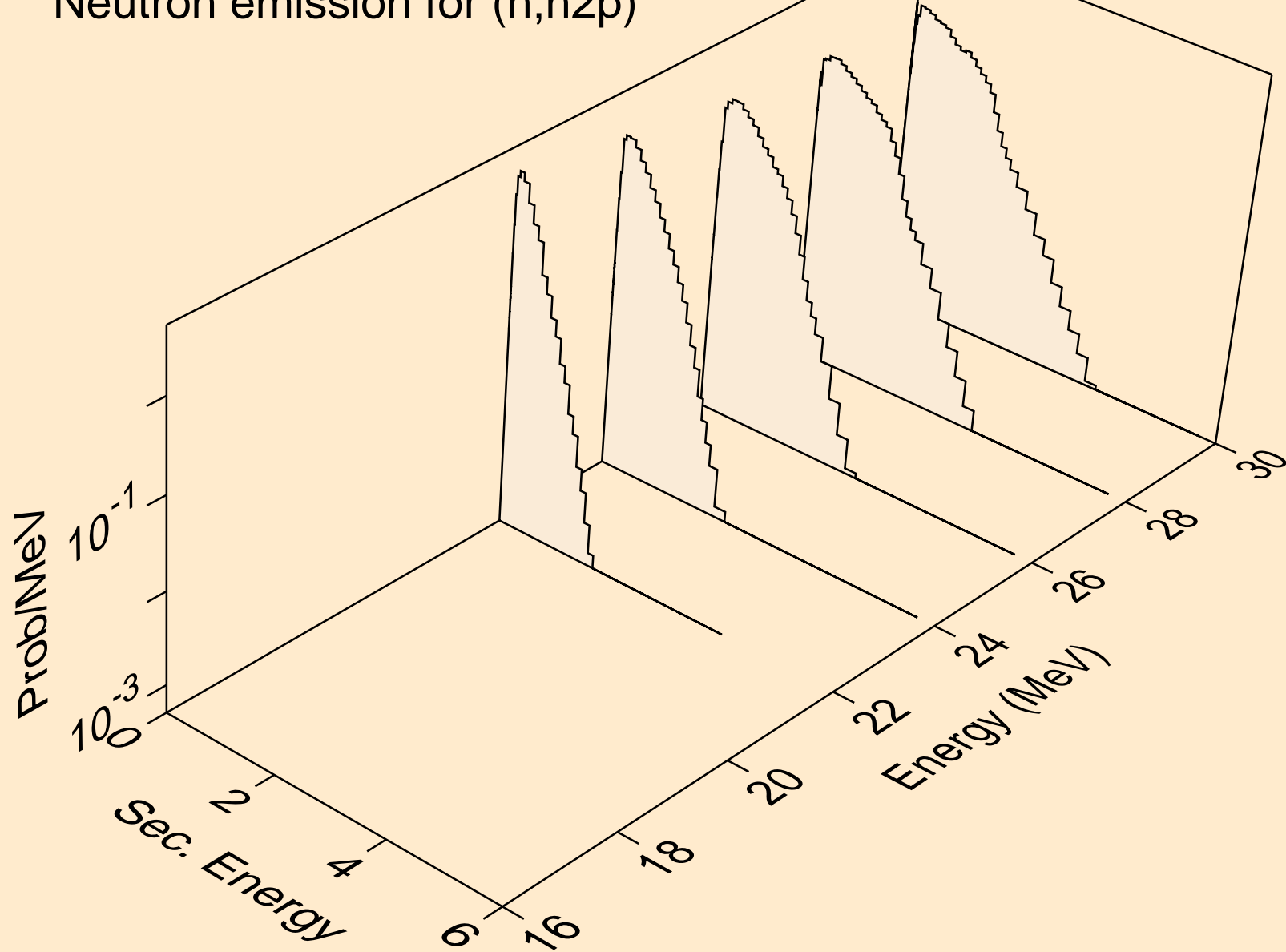
BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2np)



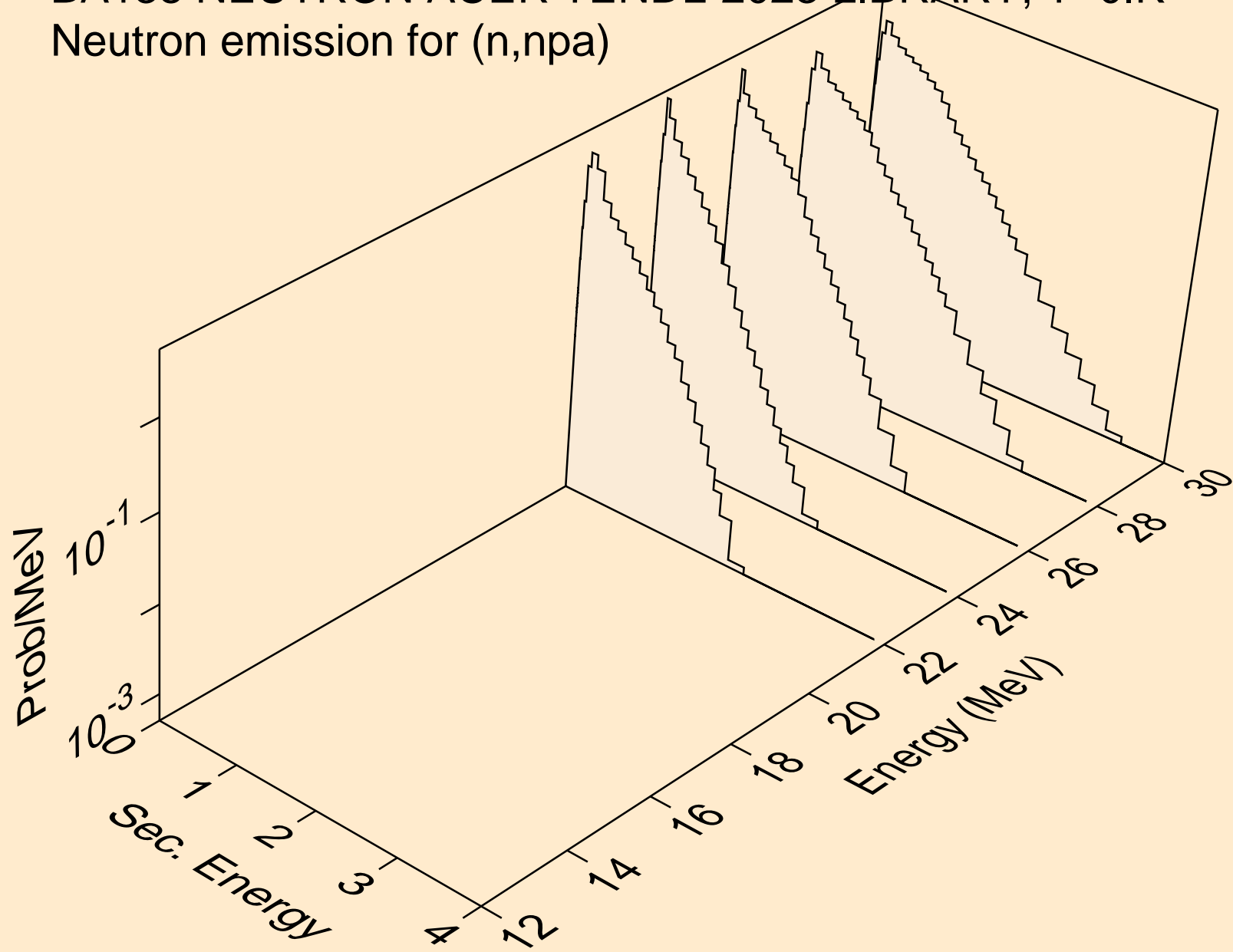
BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3np)



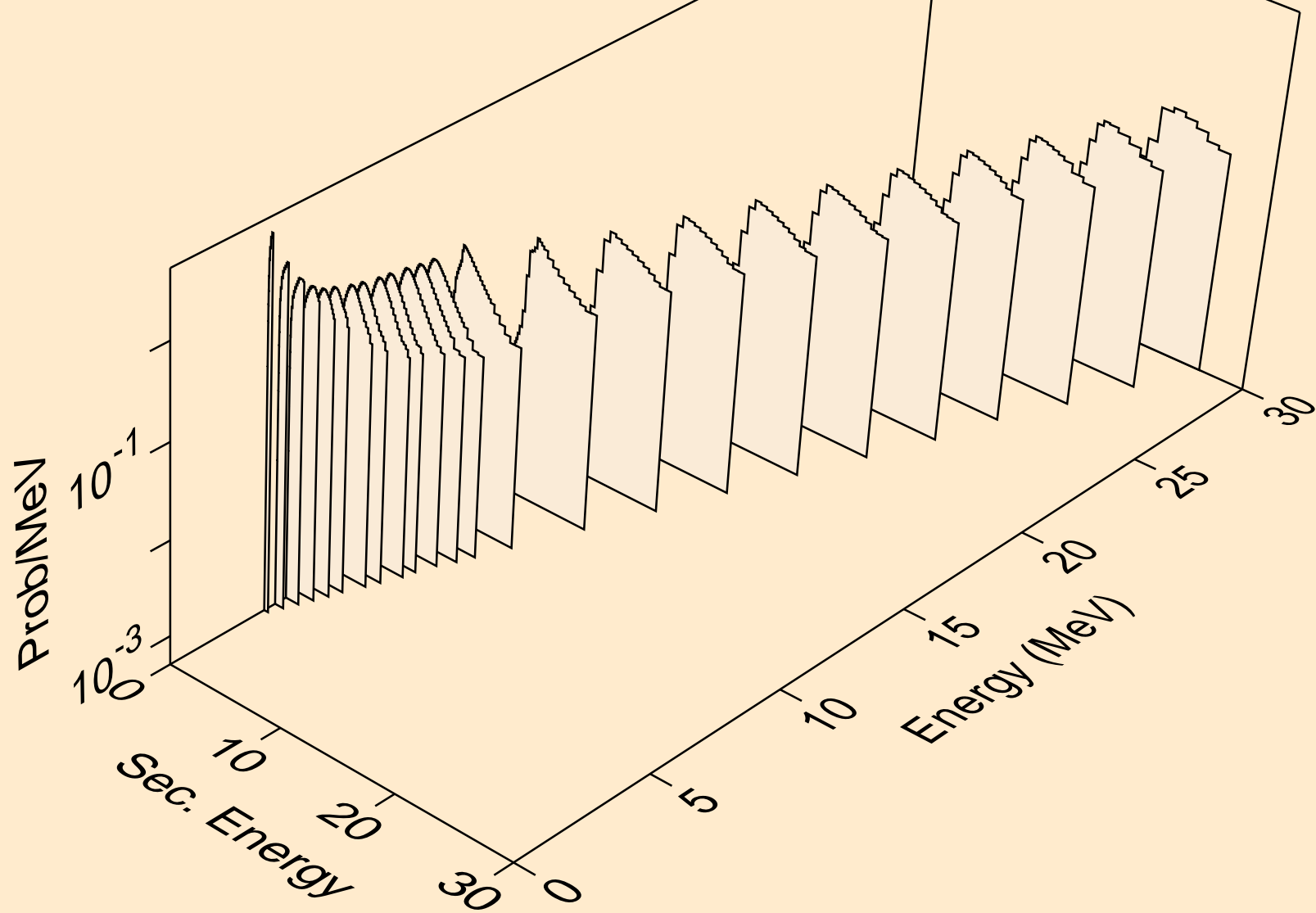
BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n2p)



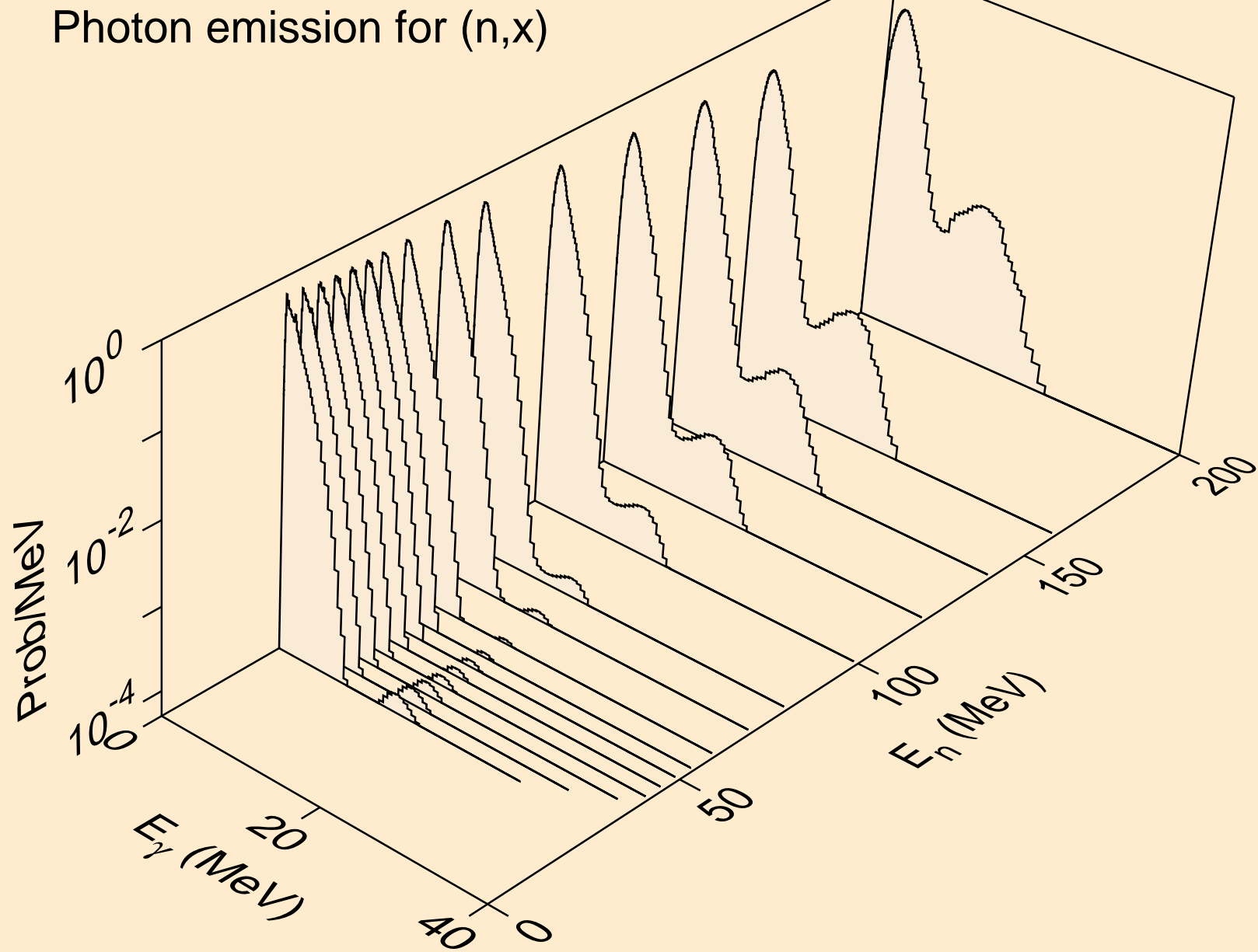
BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,npa)



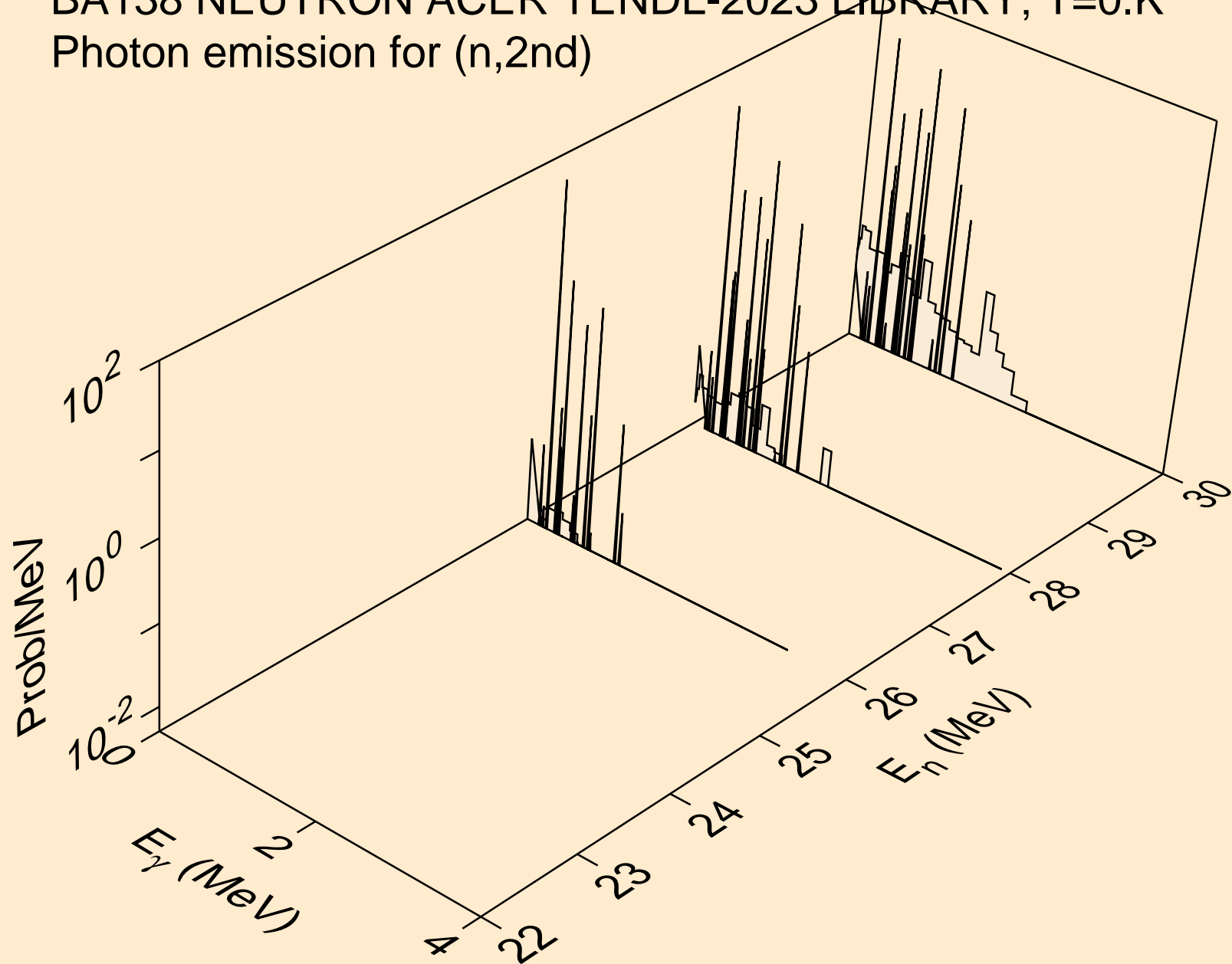
BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)



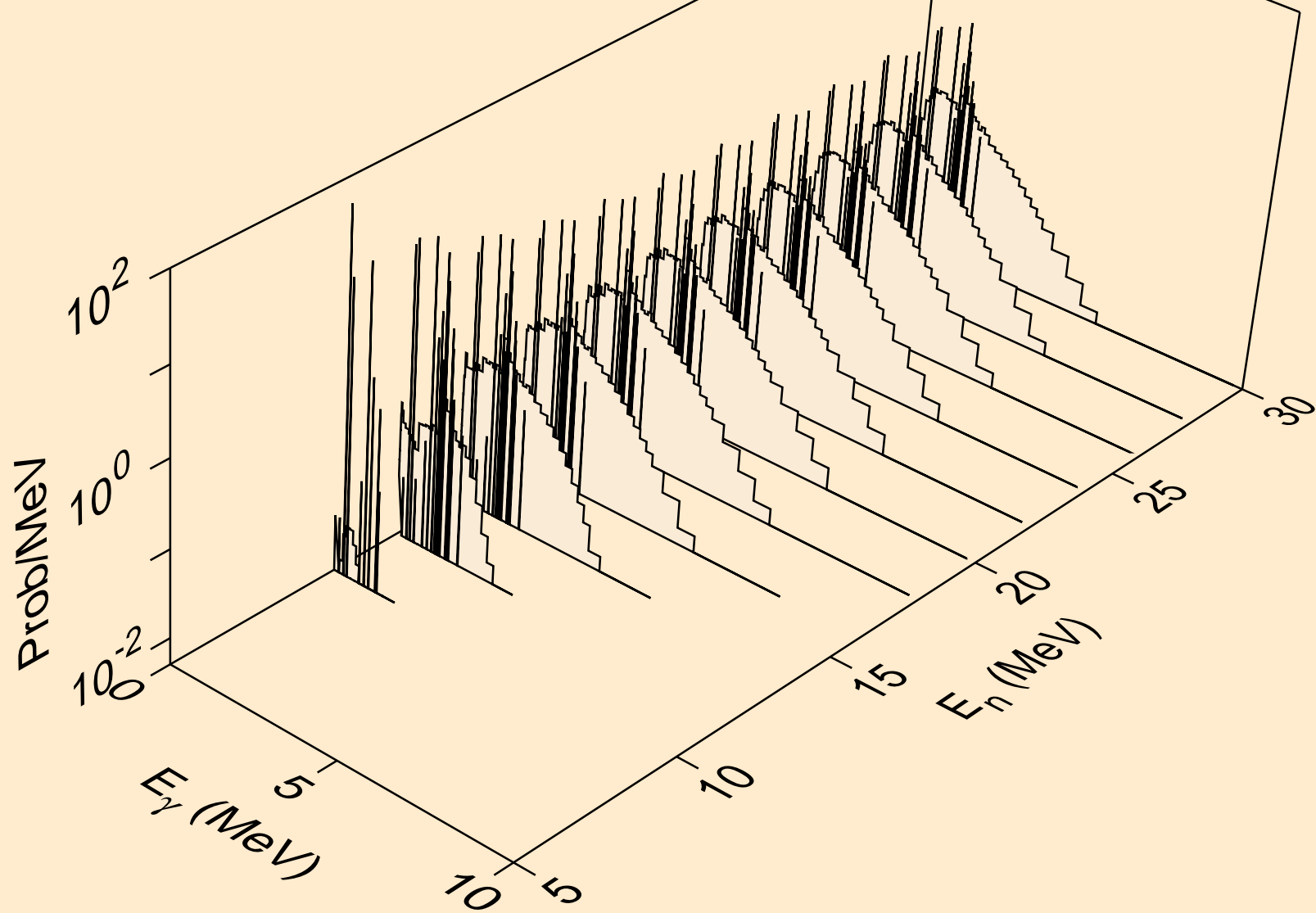
BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,x)



BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)

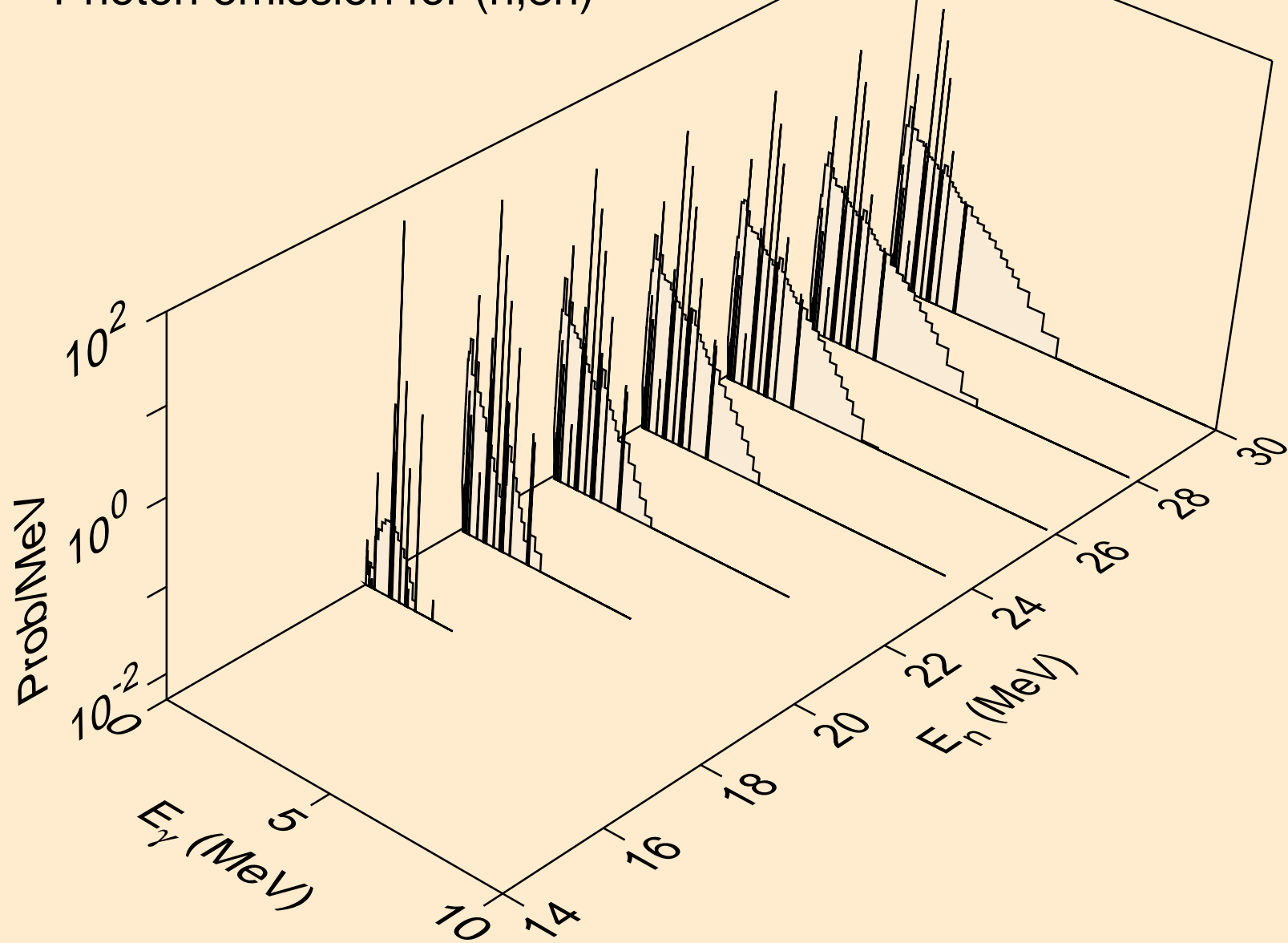


BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)

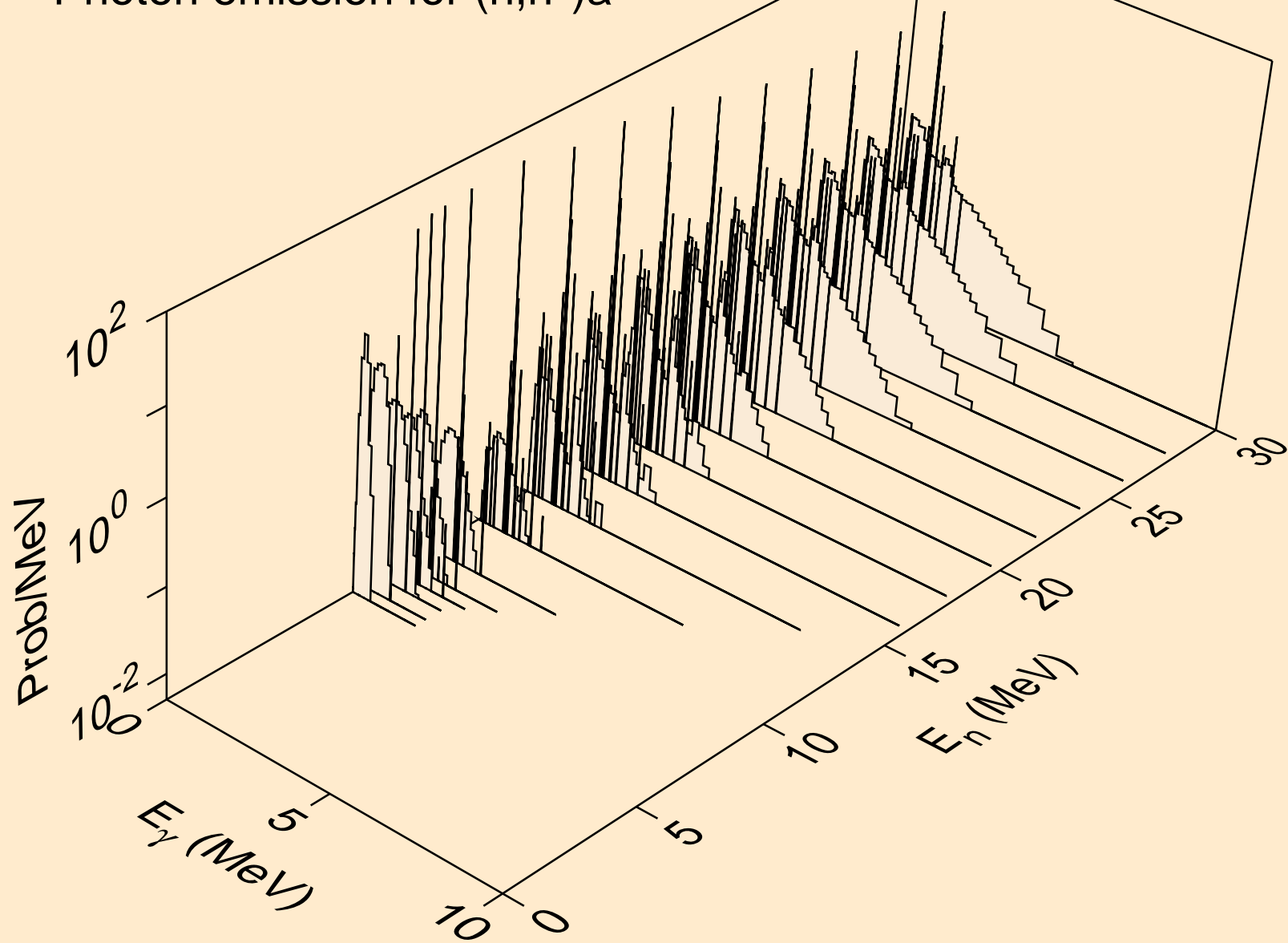




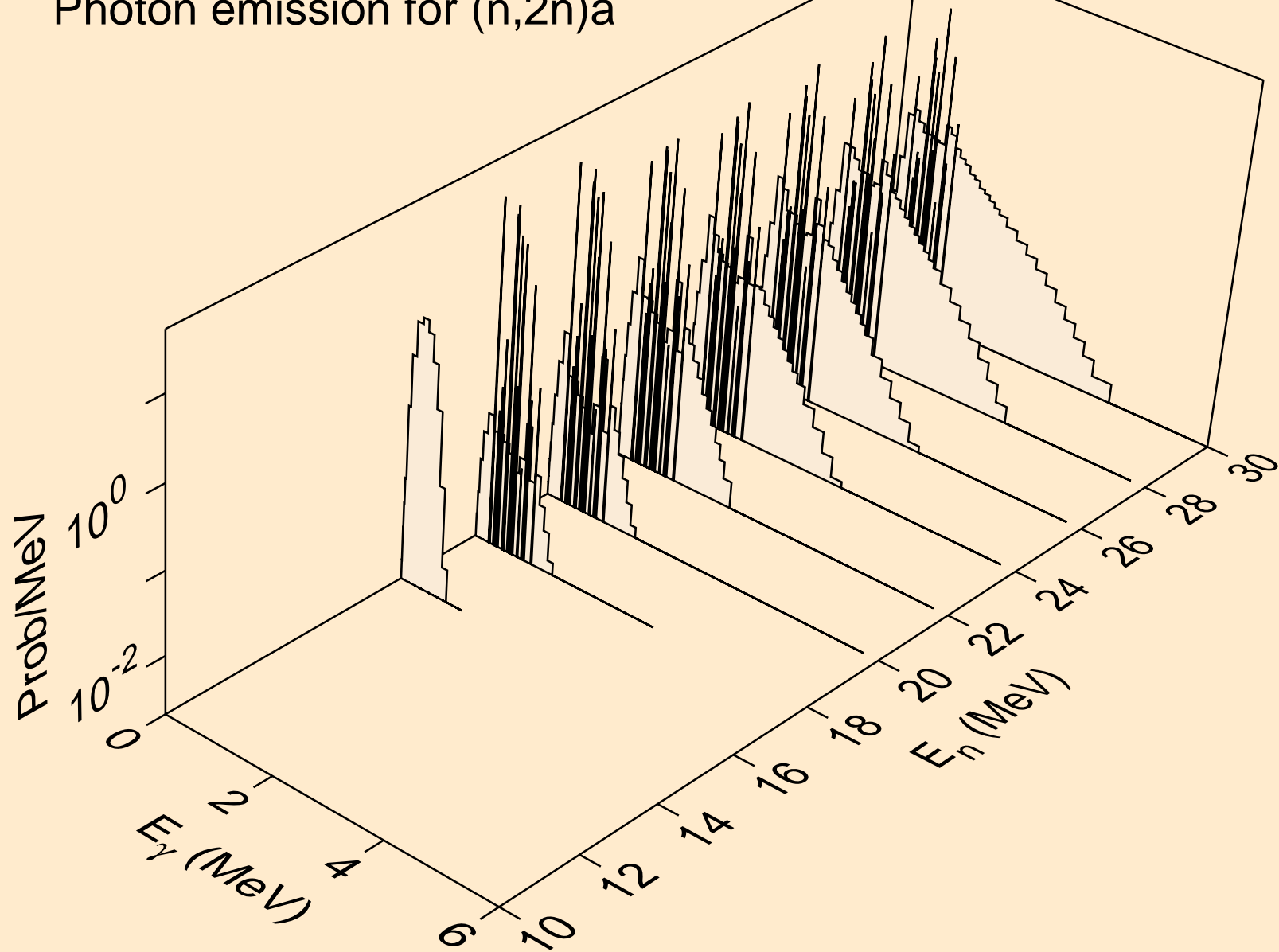
BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



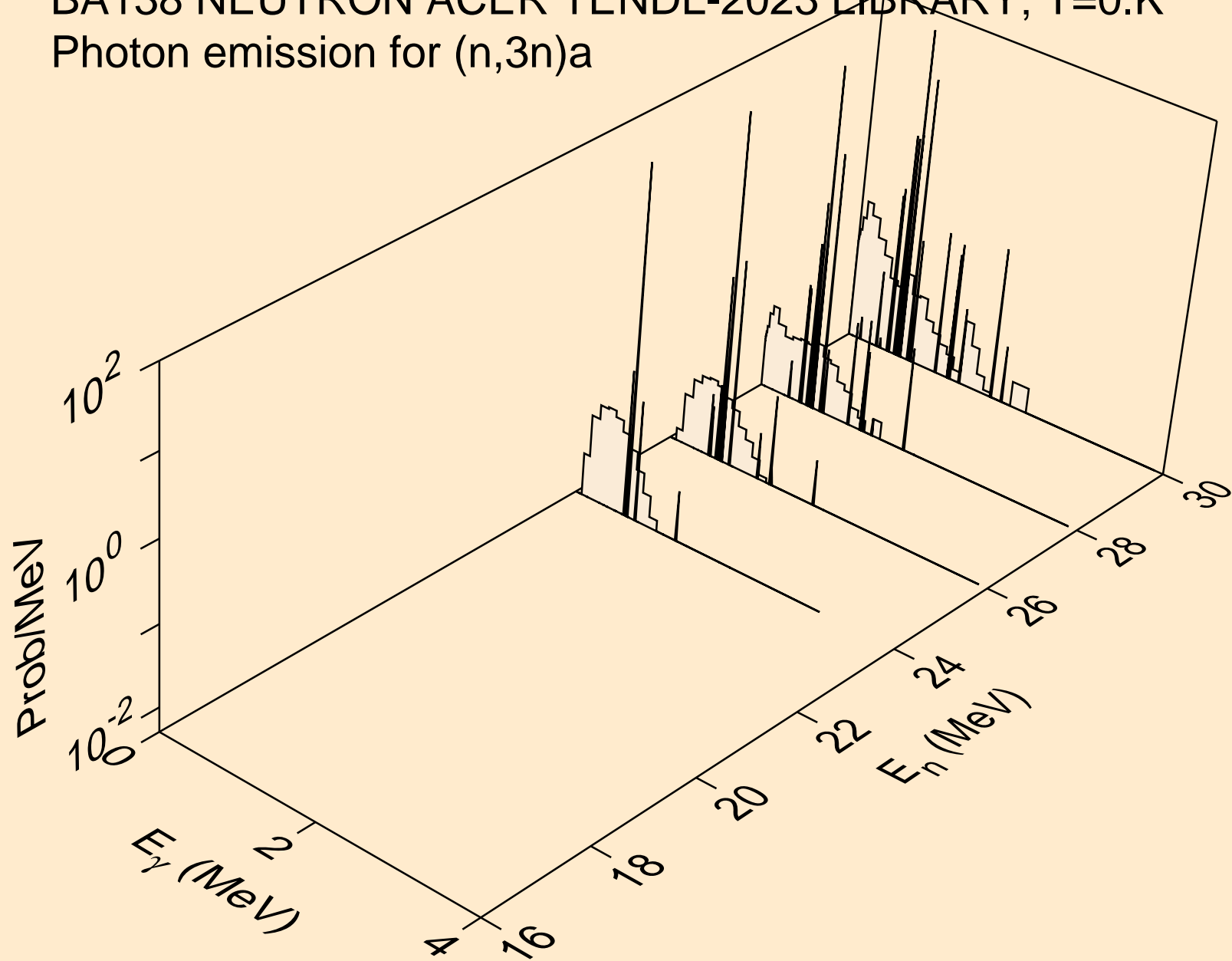
BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



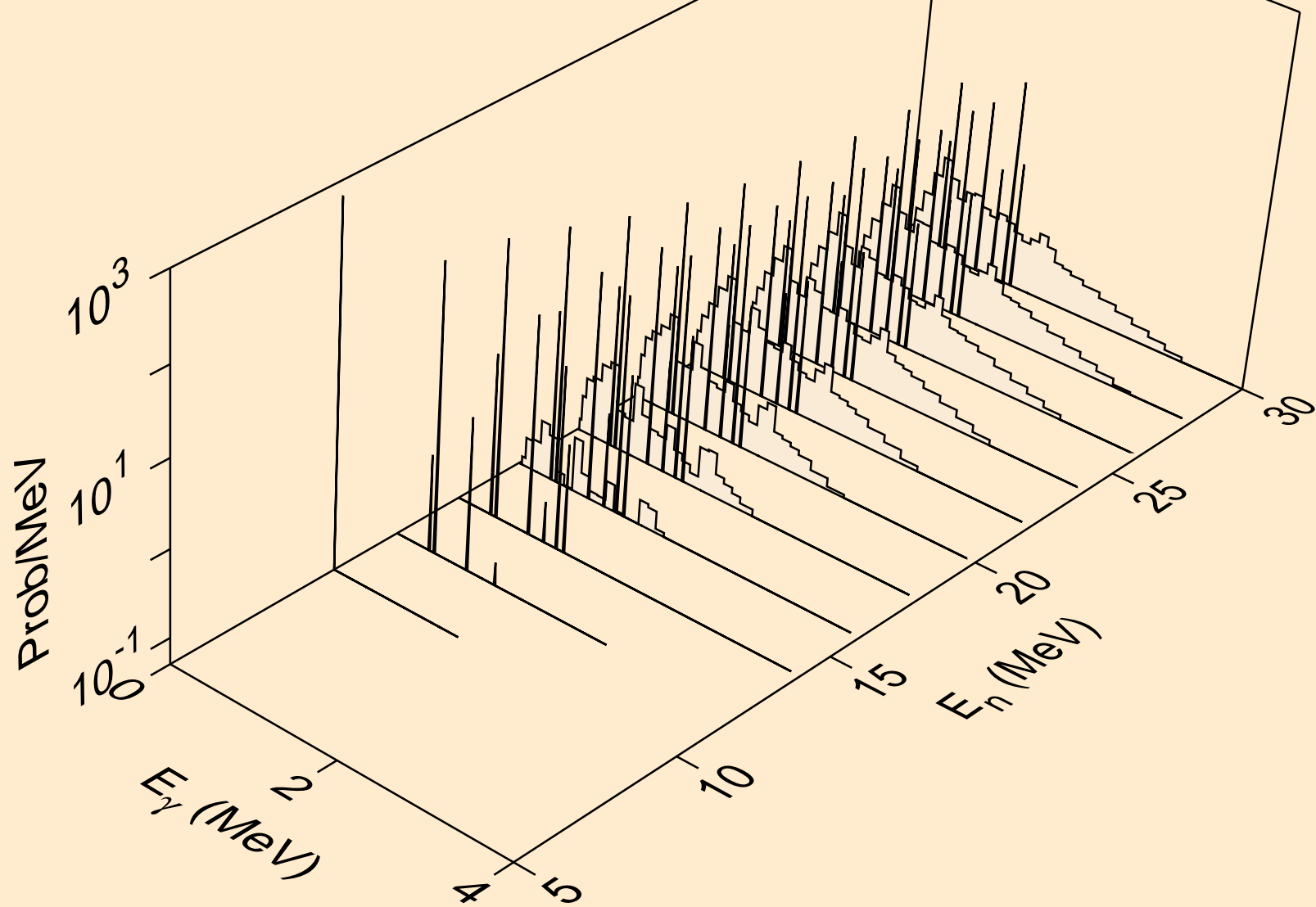
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Photon emission for (n,2n)a



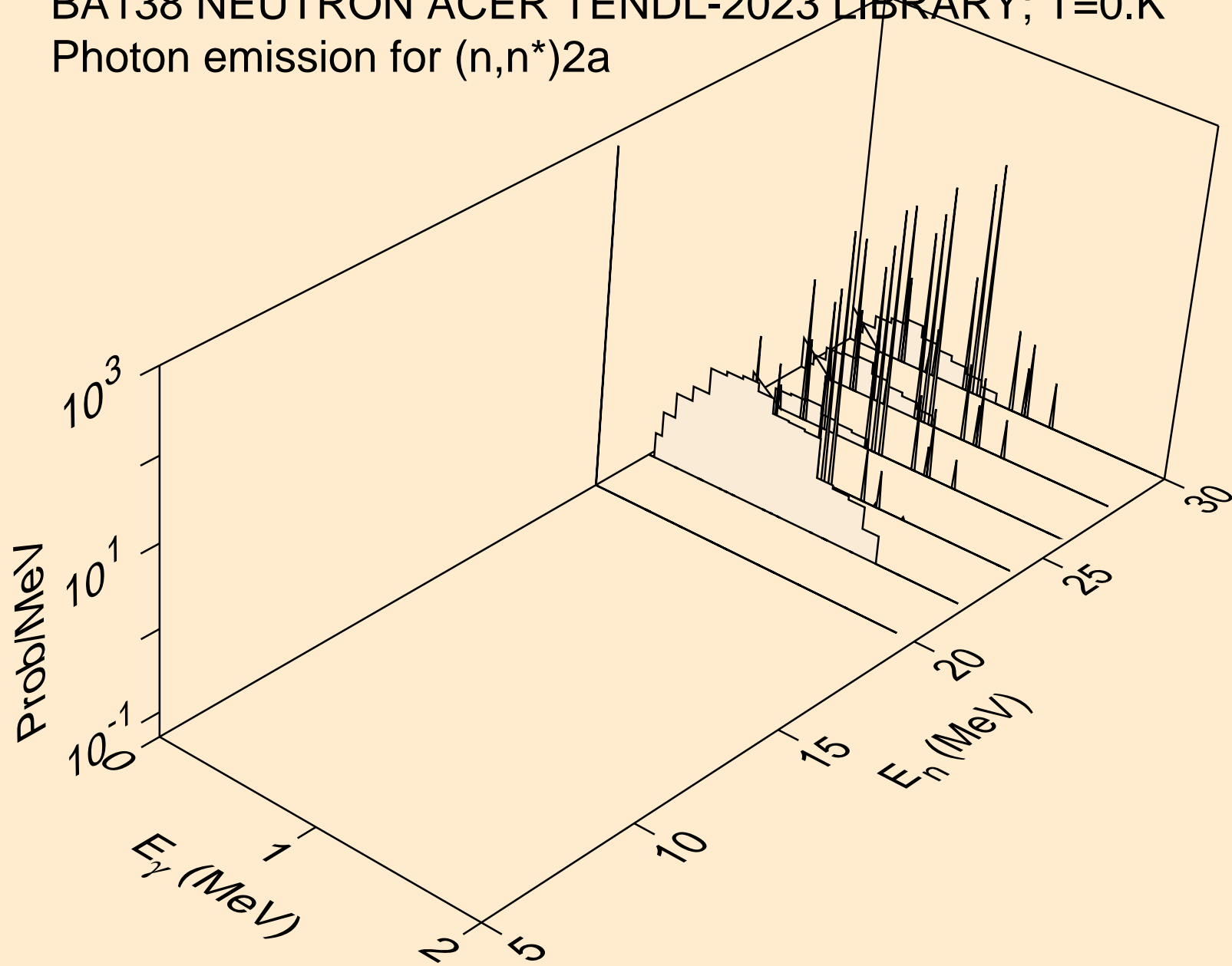
BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)a



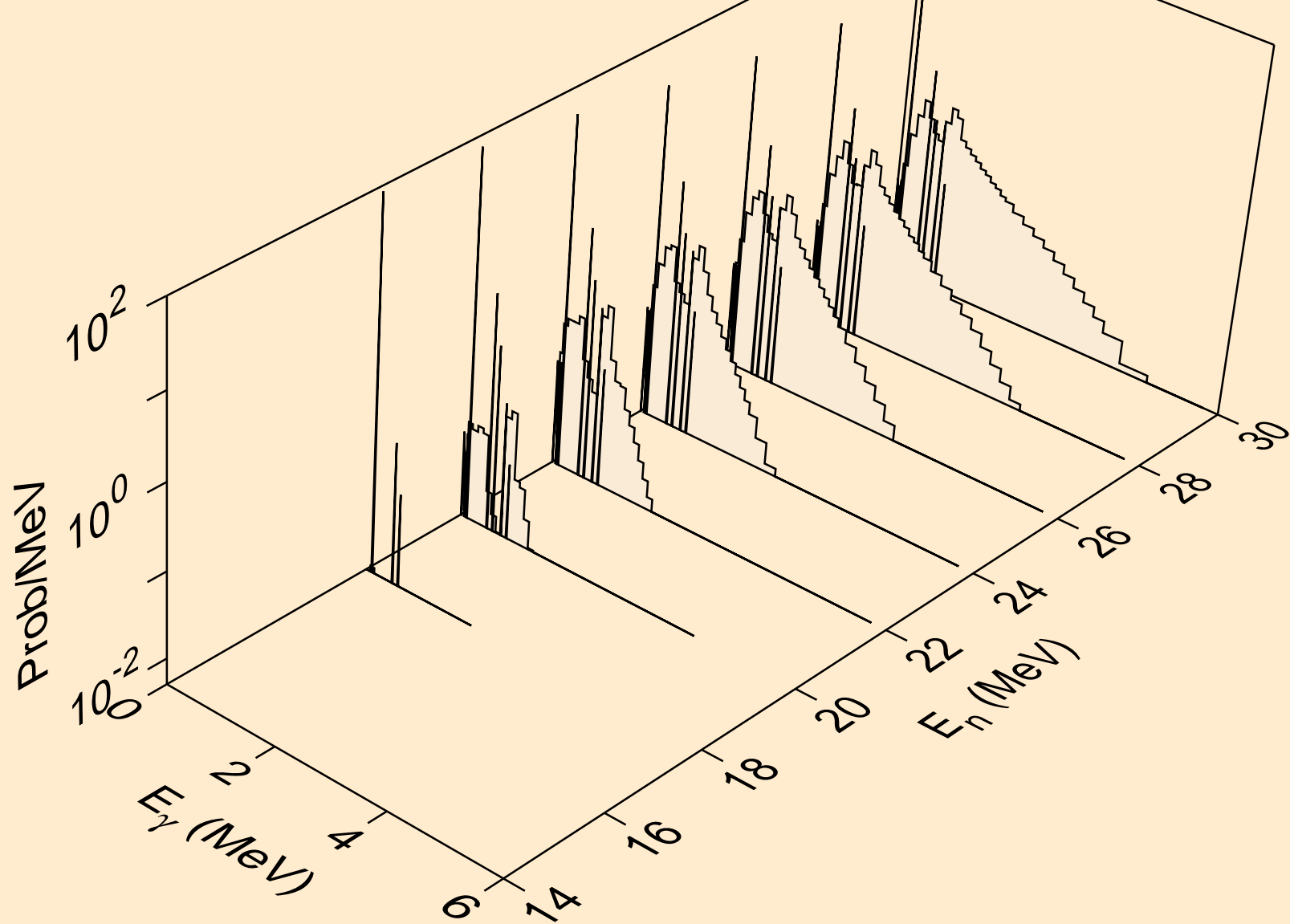
BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



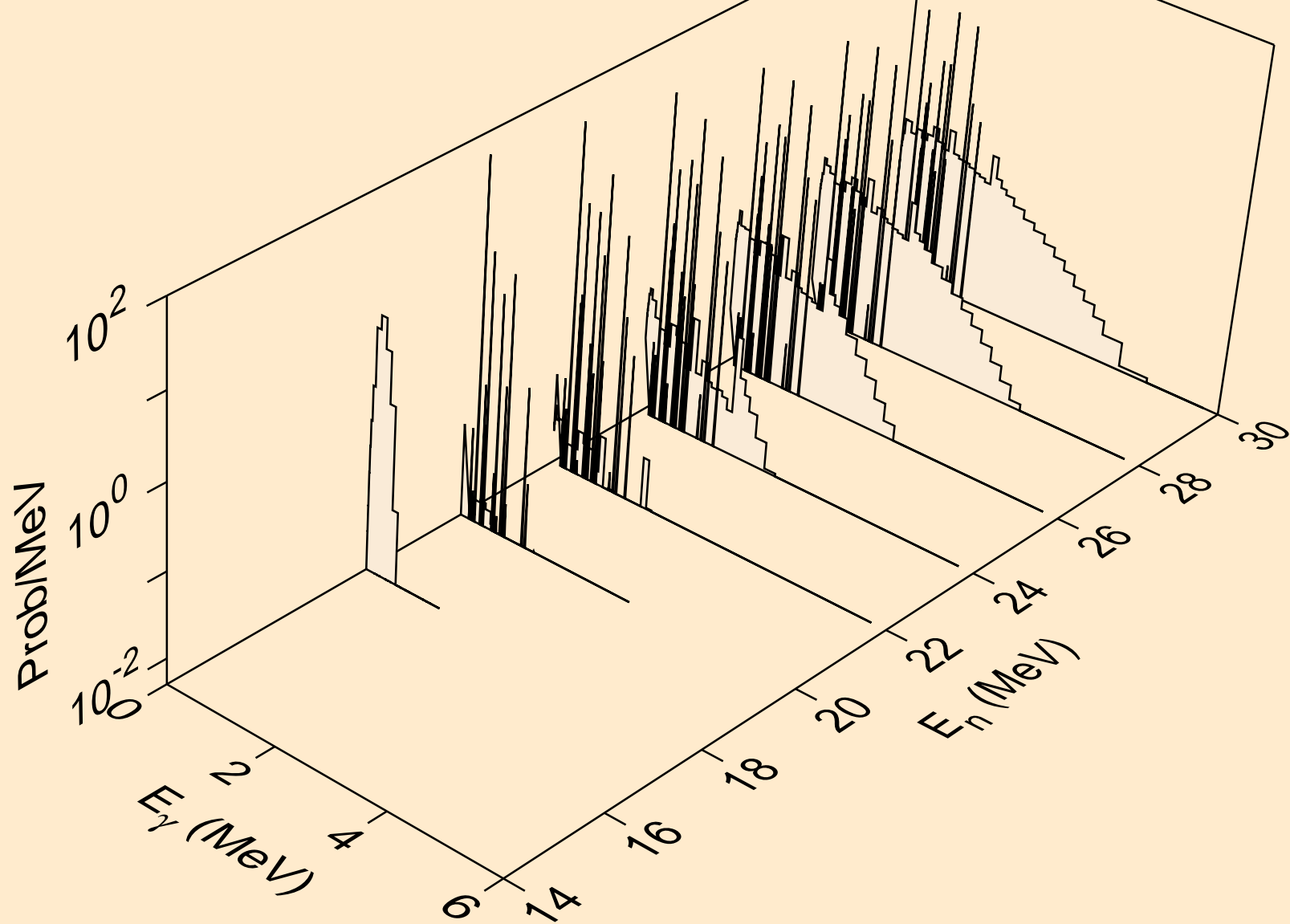
BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d

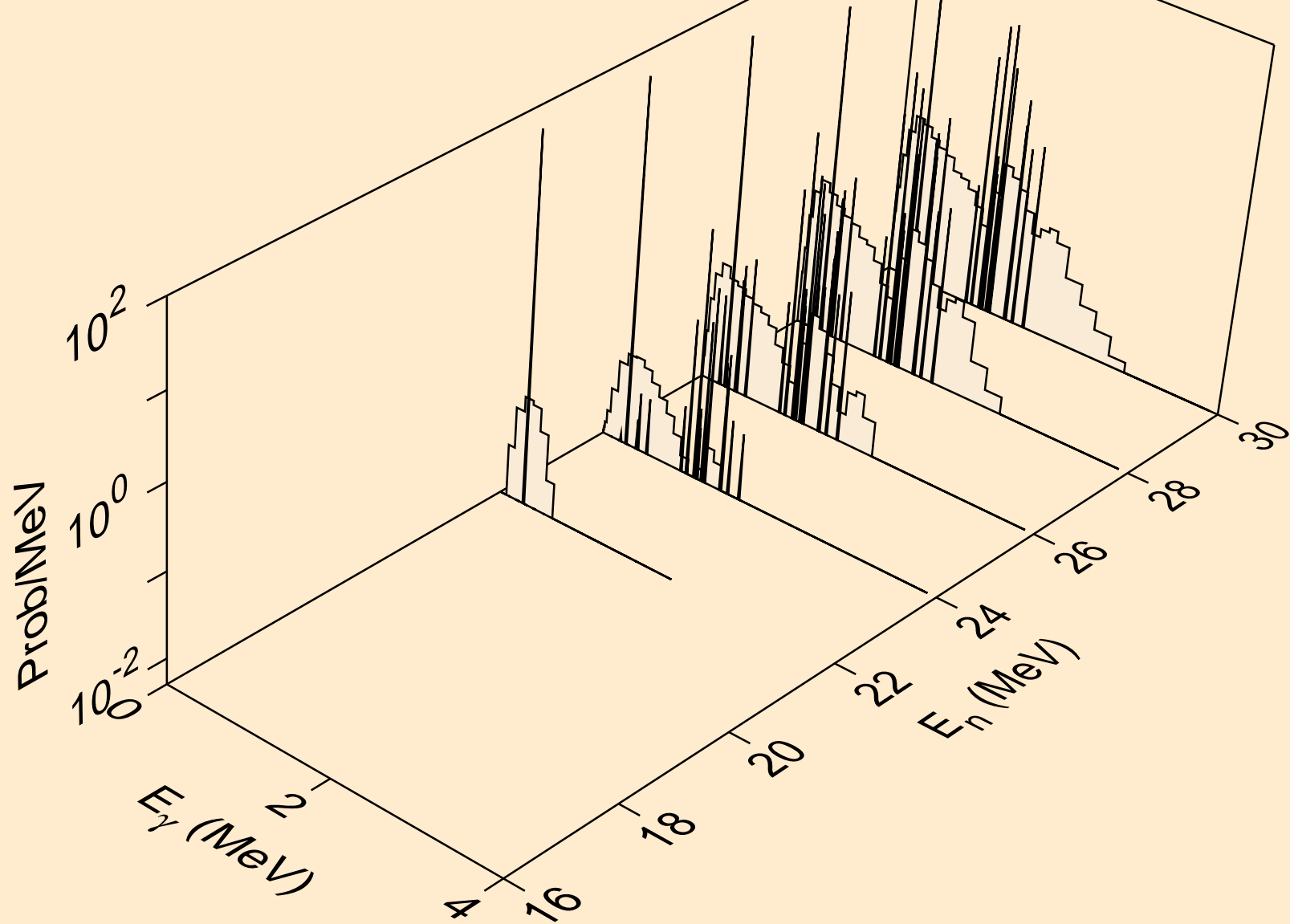


BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t

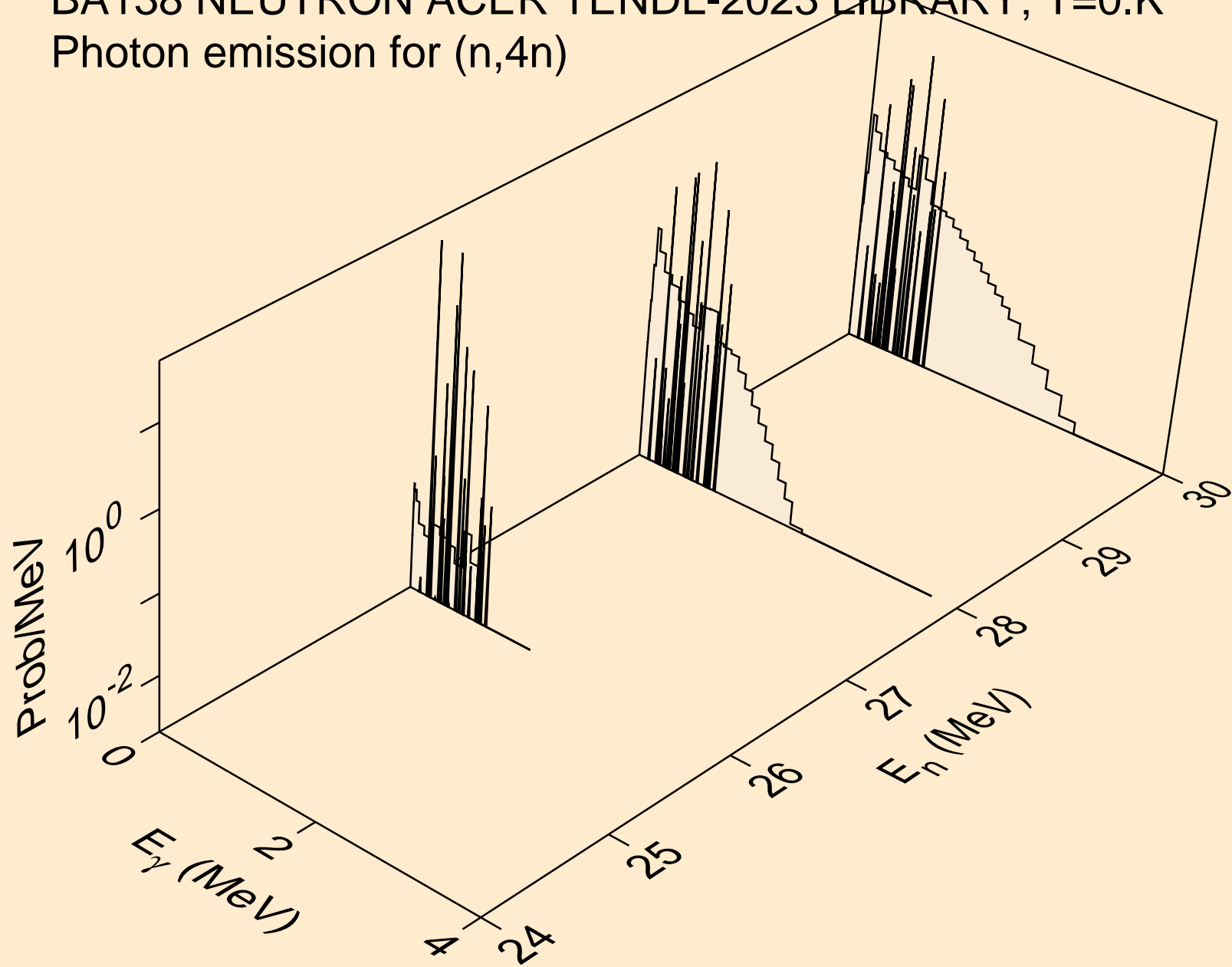




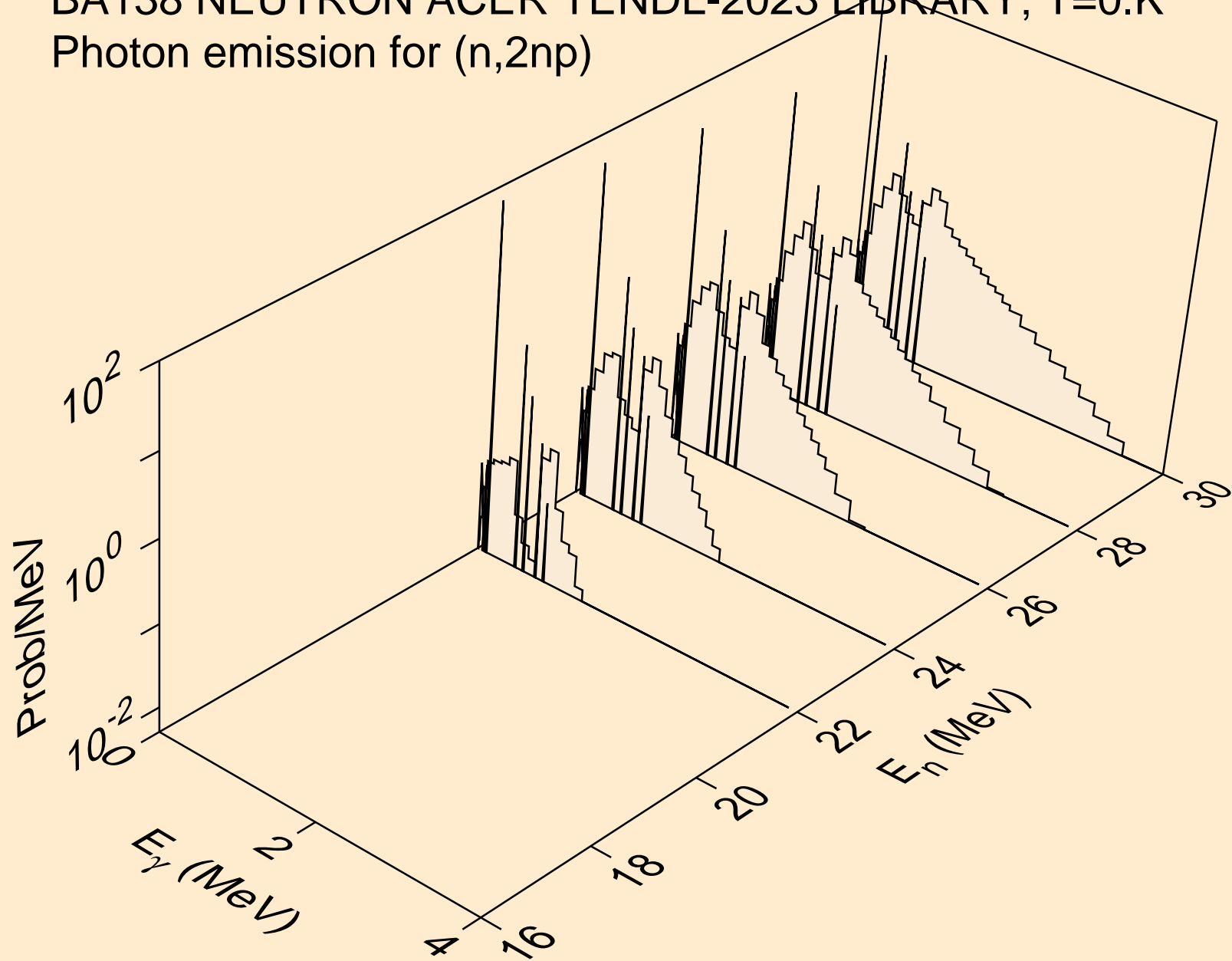
BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



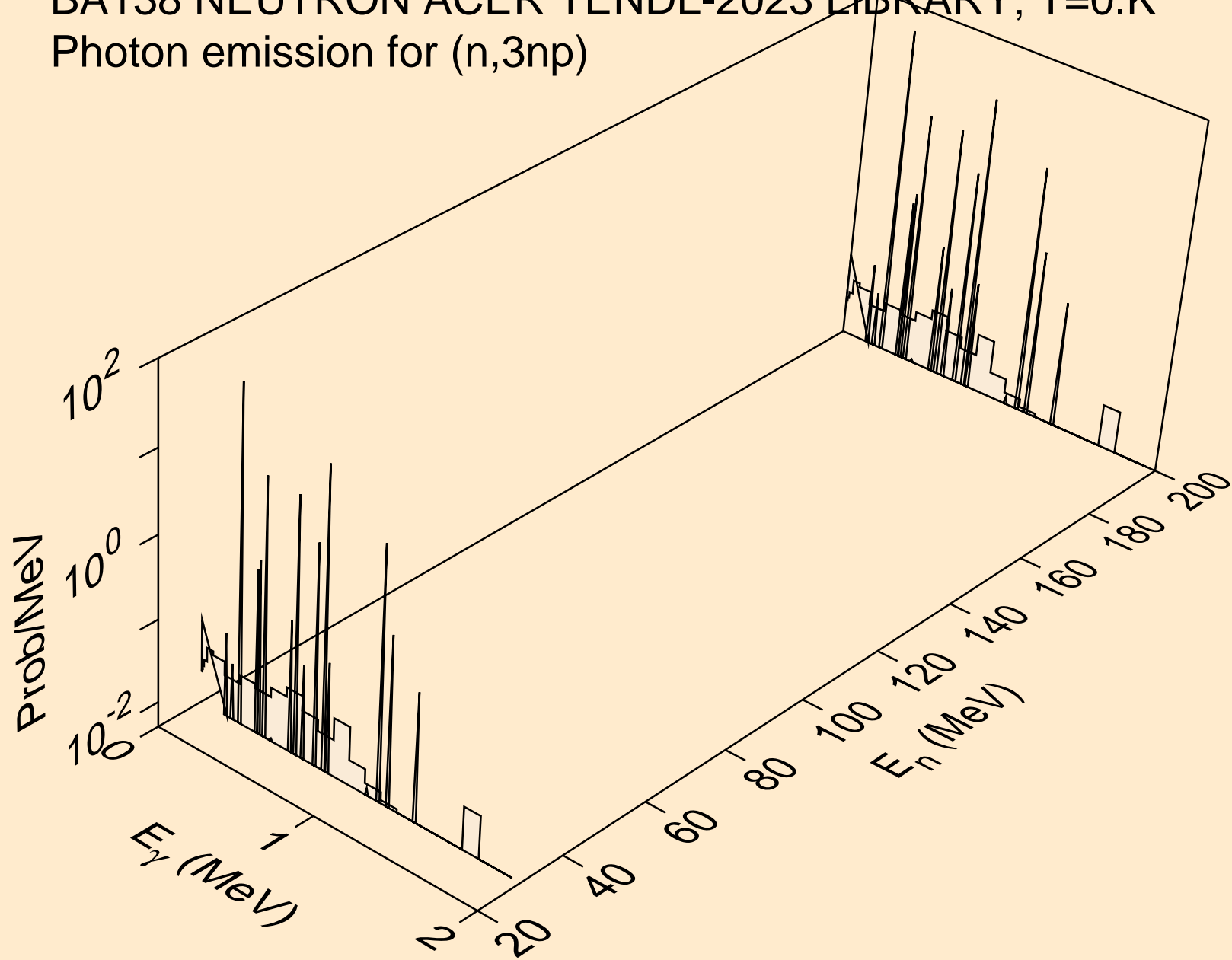
BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,4n)



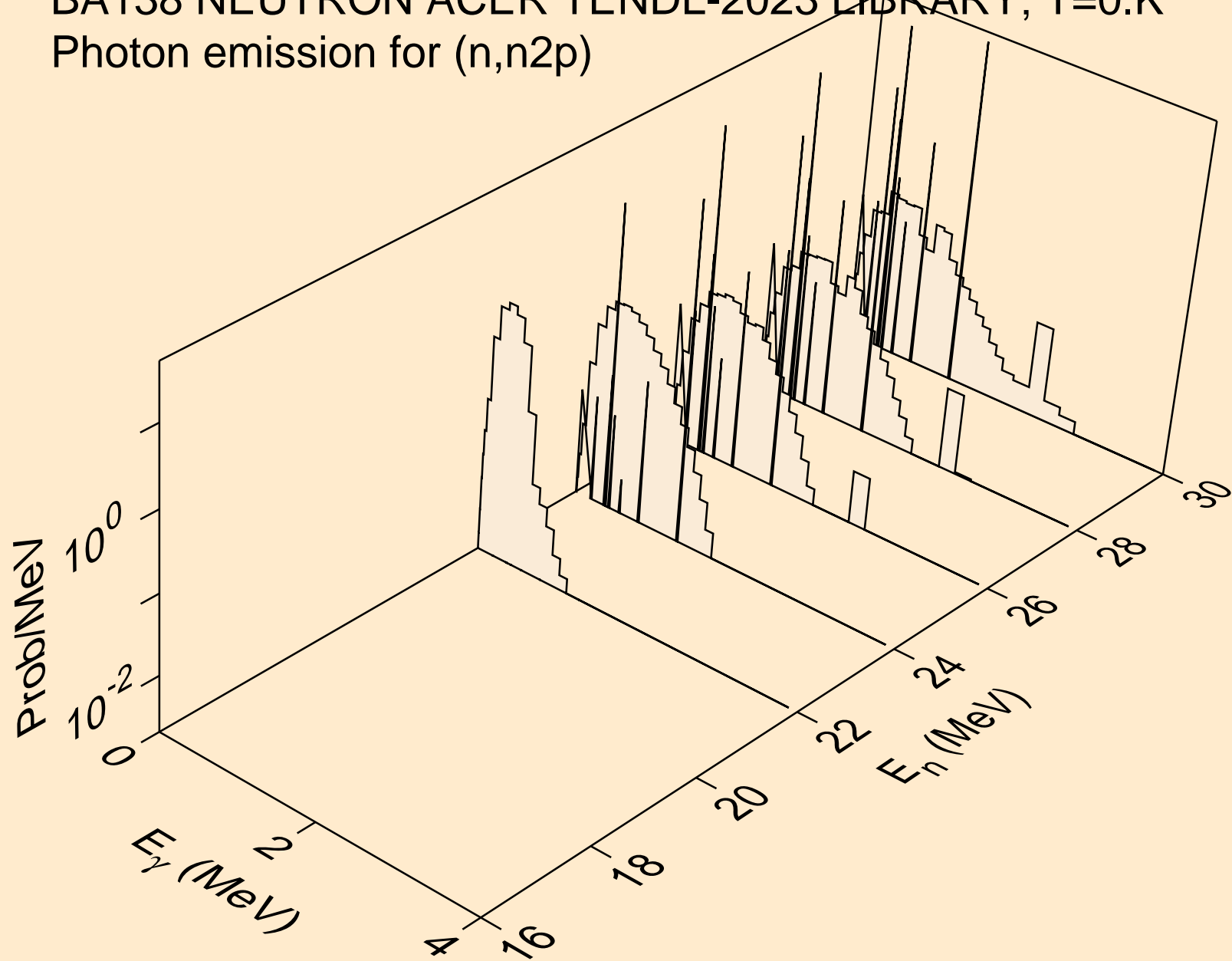
BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)



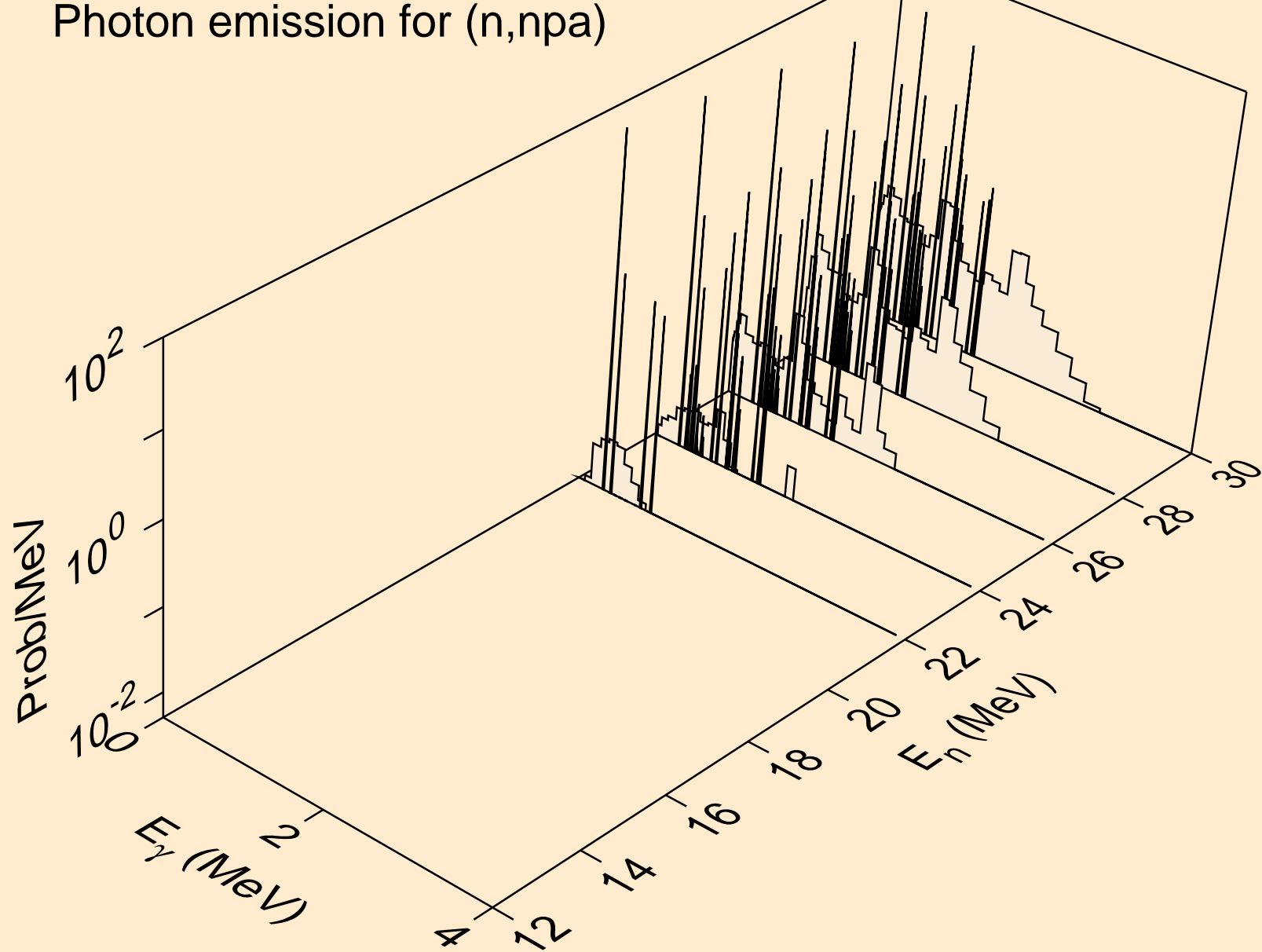
BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3np)



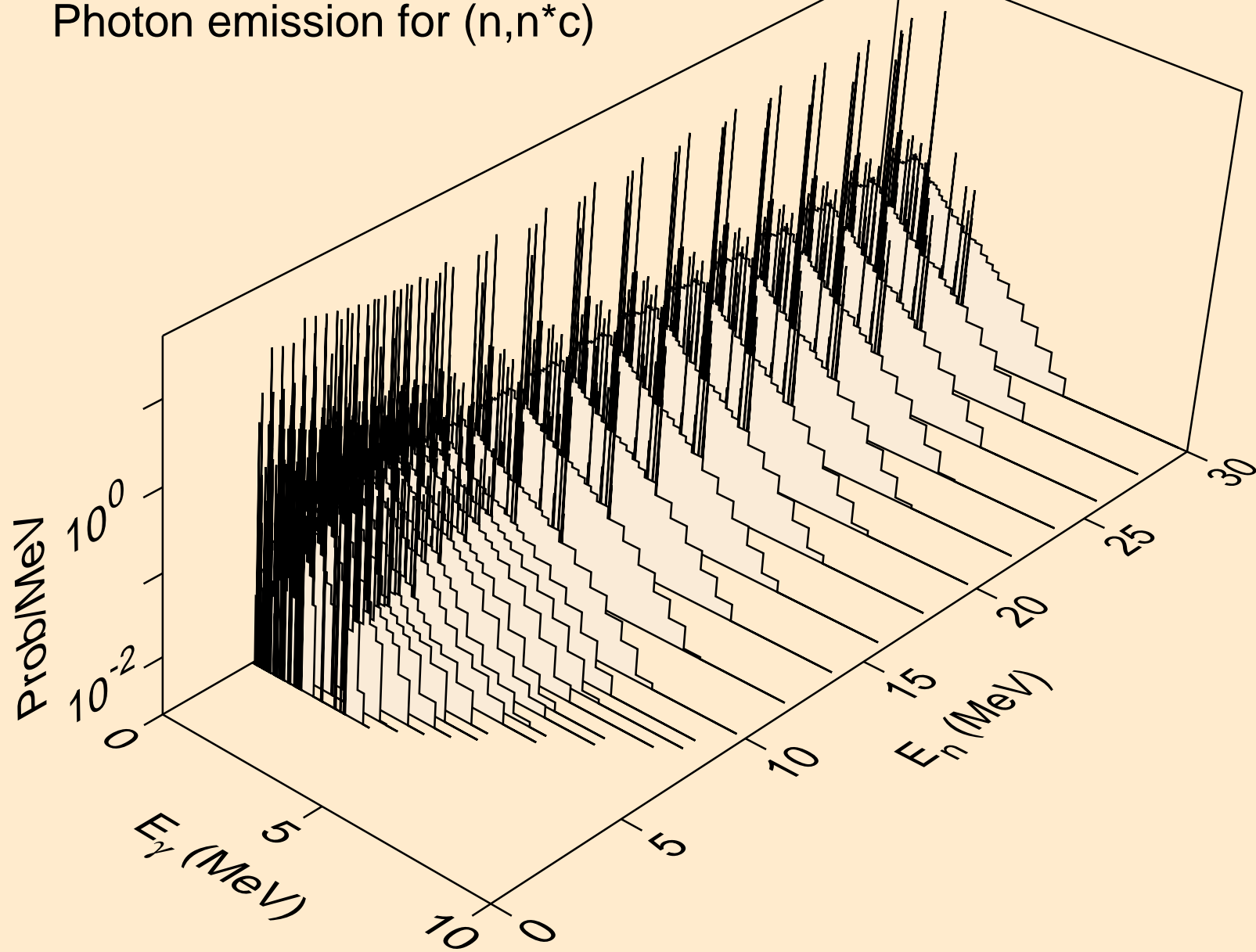
BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)



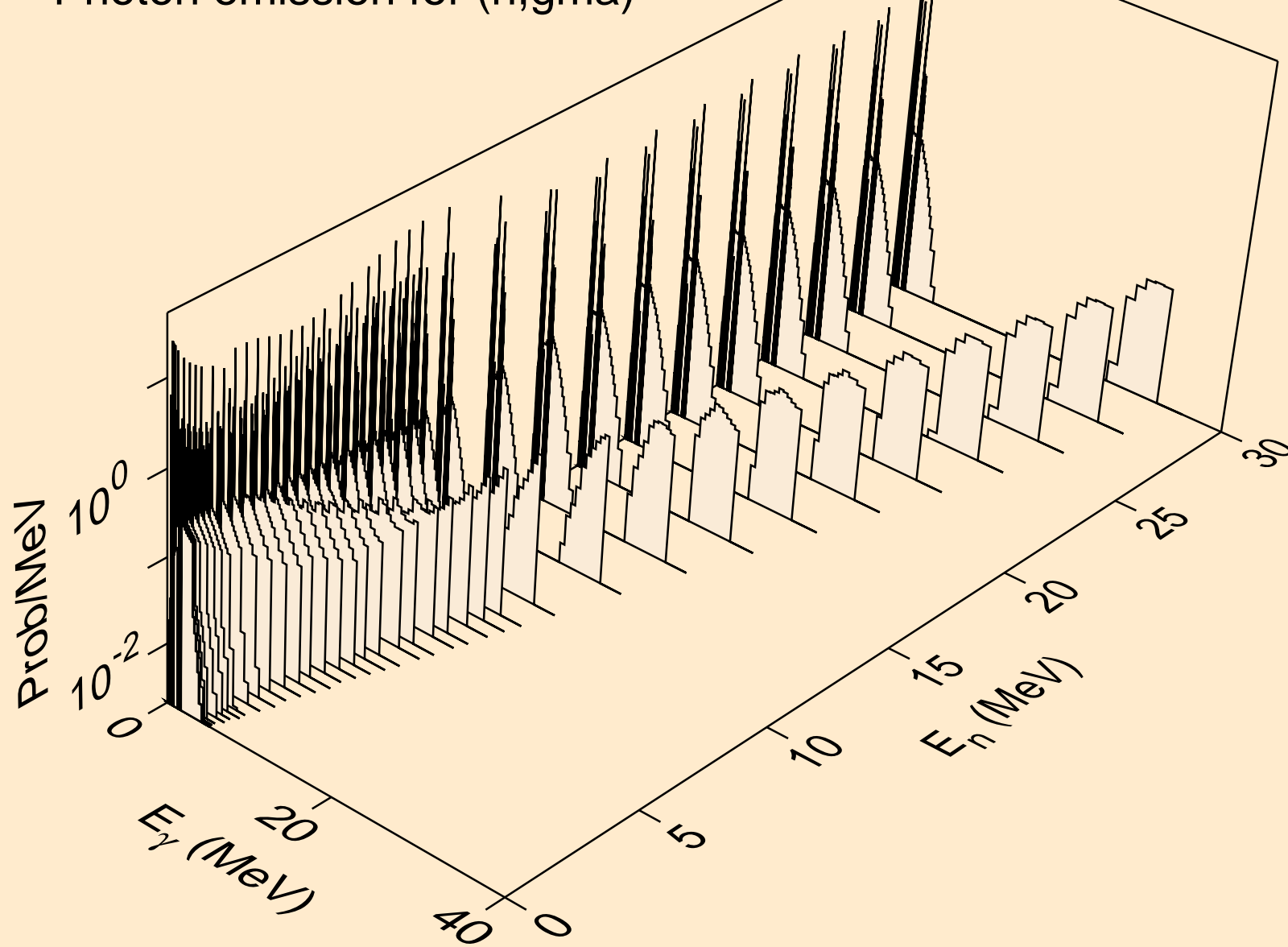
BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,npa)



BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*c)

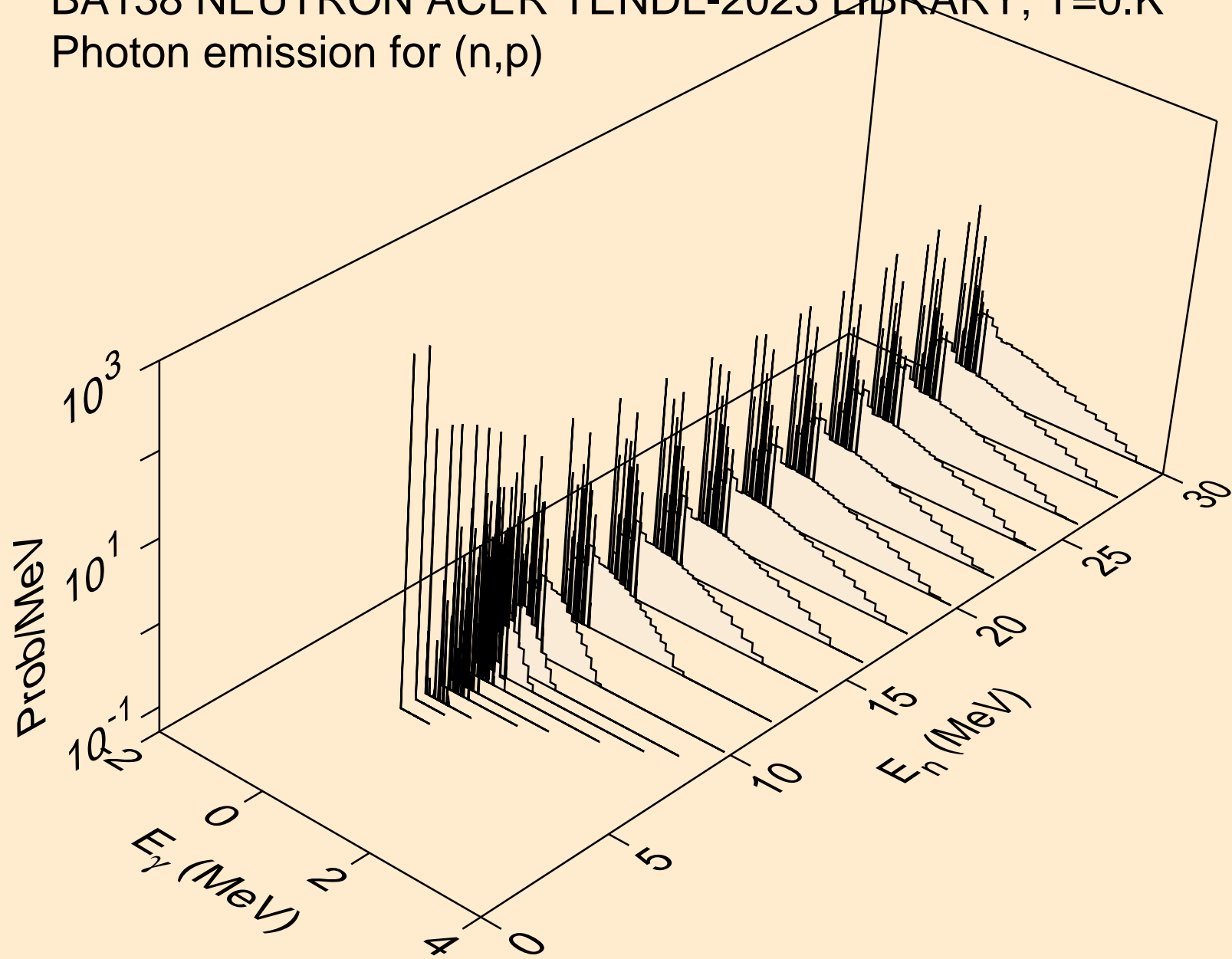


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Photon emission for (n,gma)

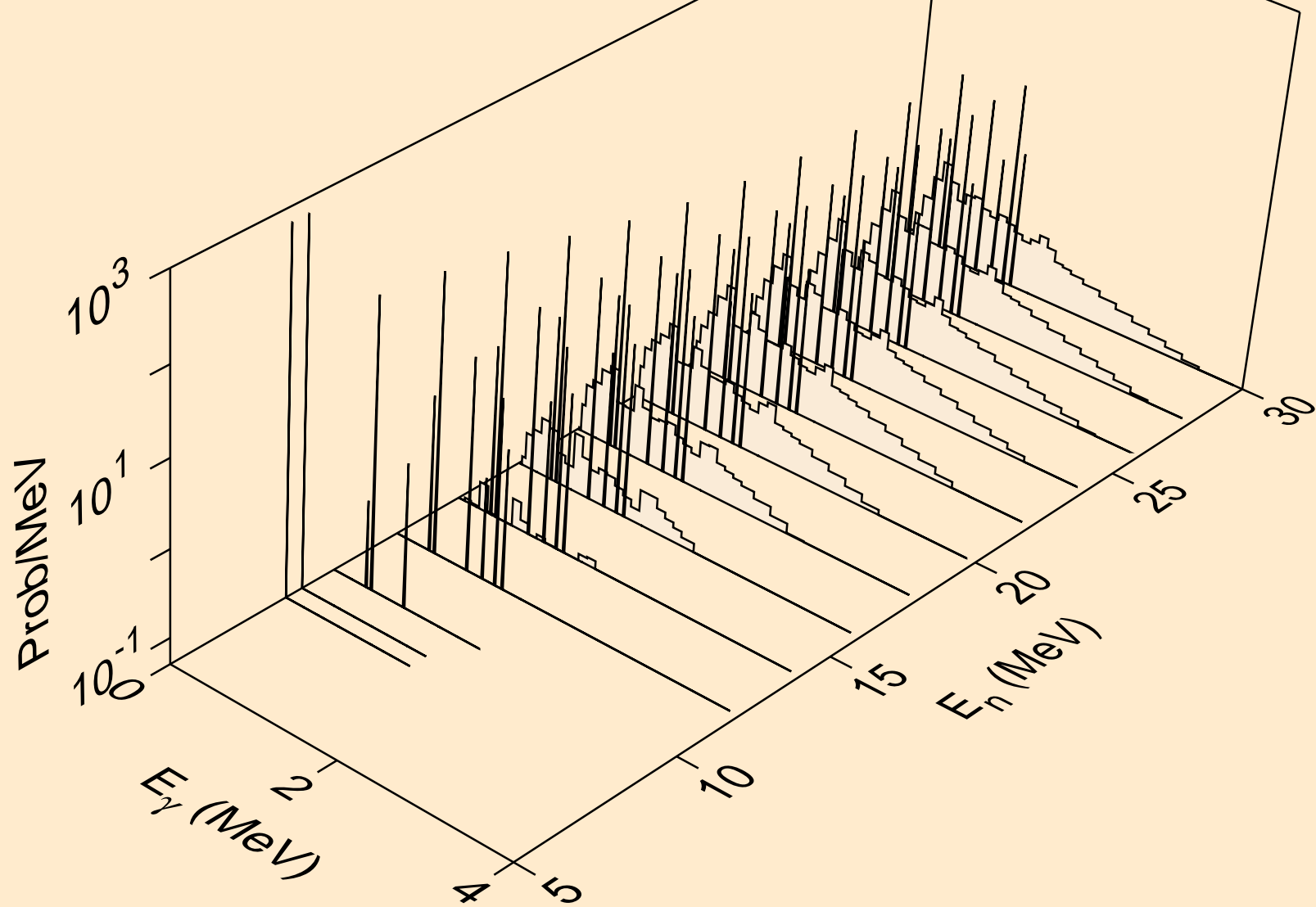




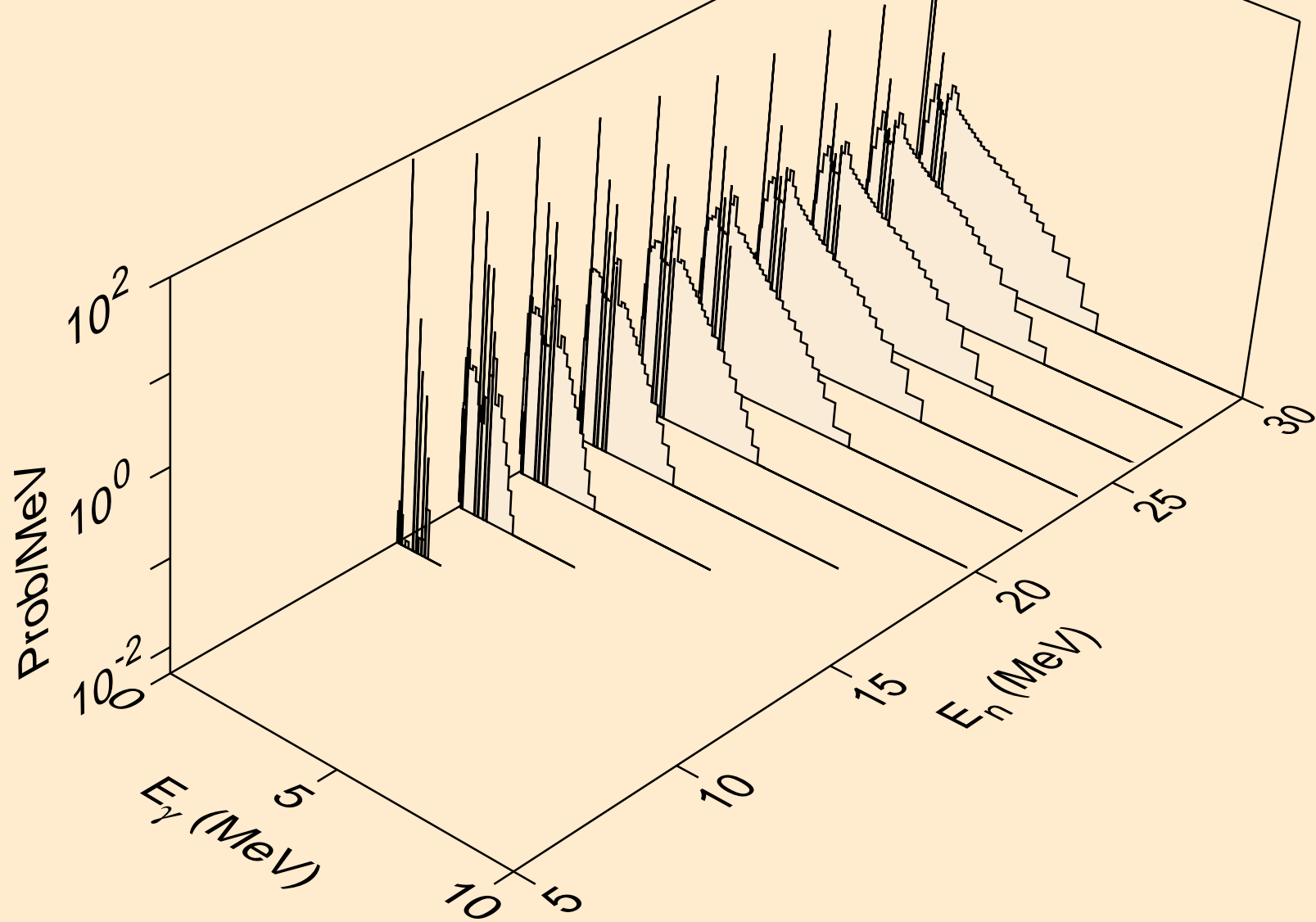
BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)



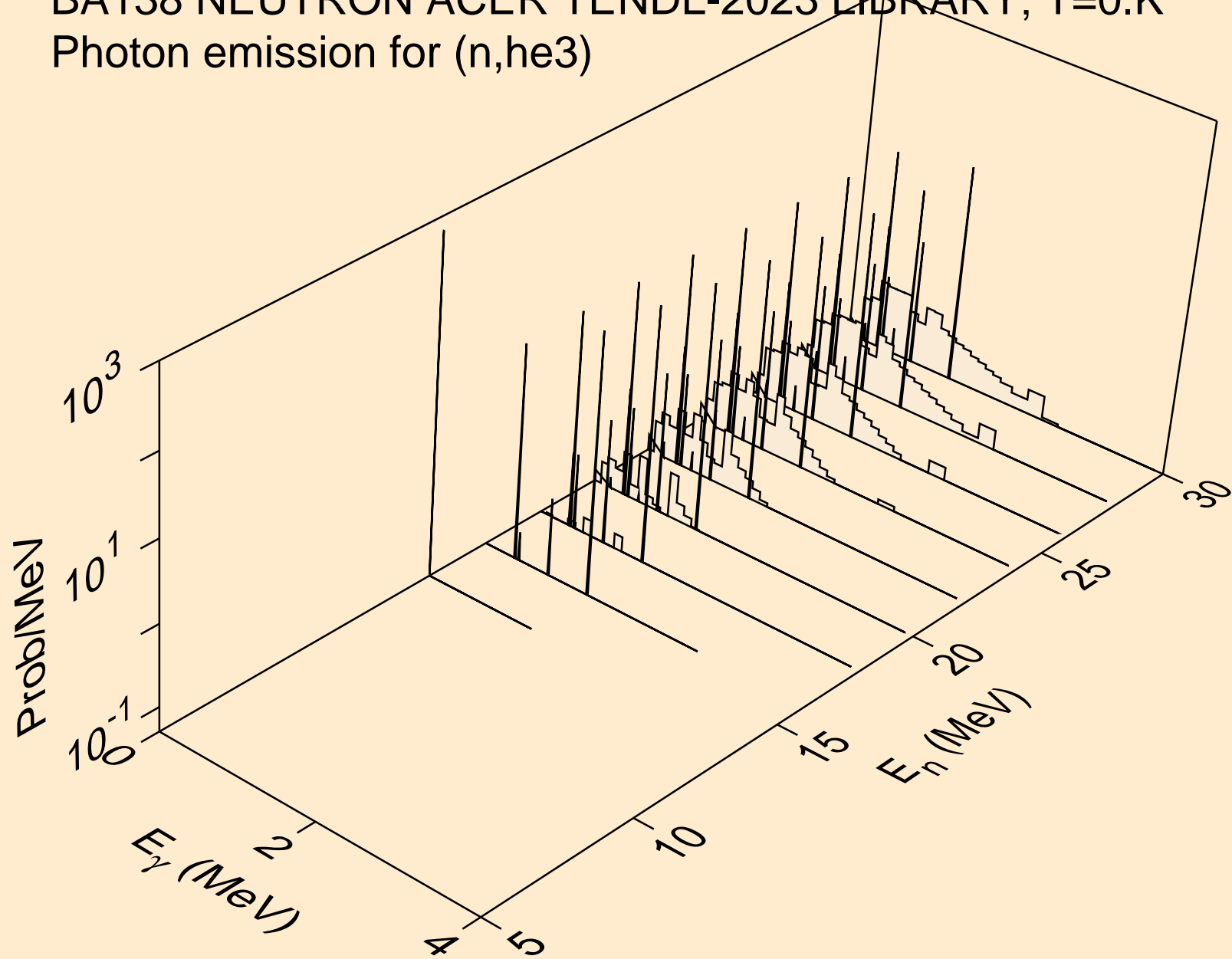
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Photon emission for (n,d)



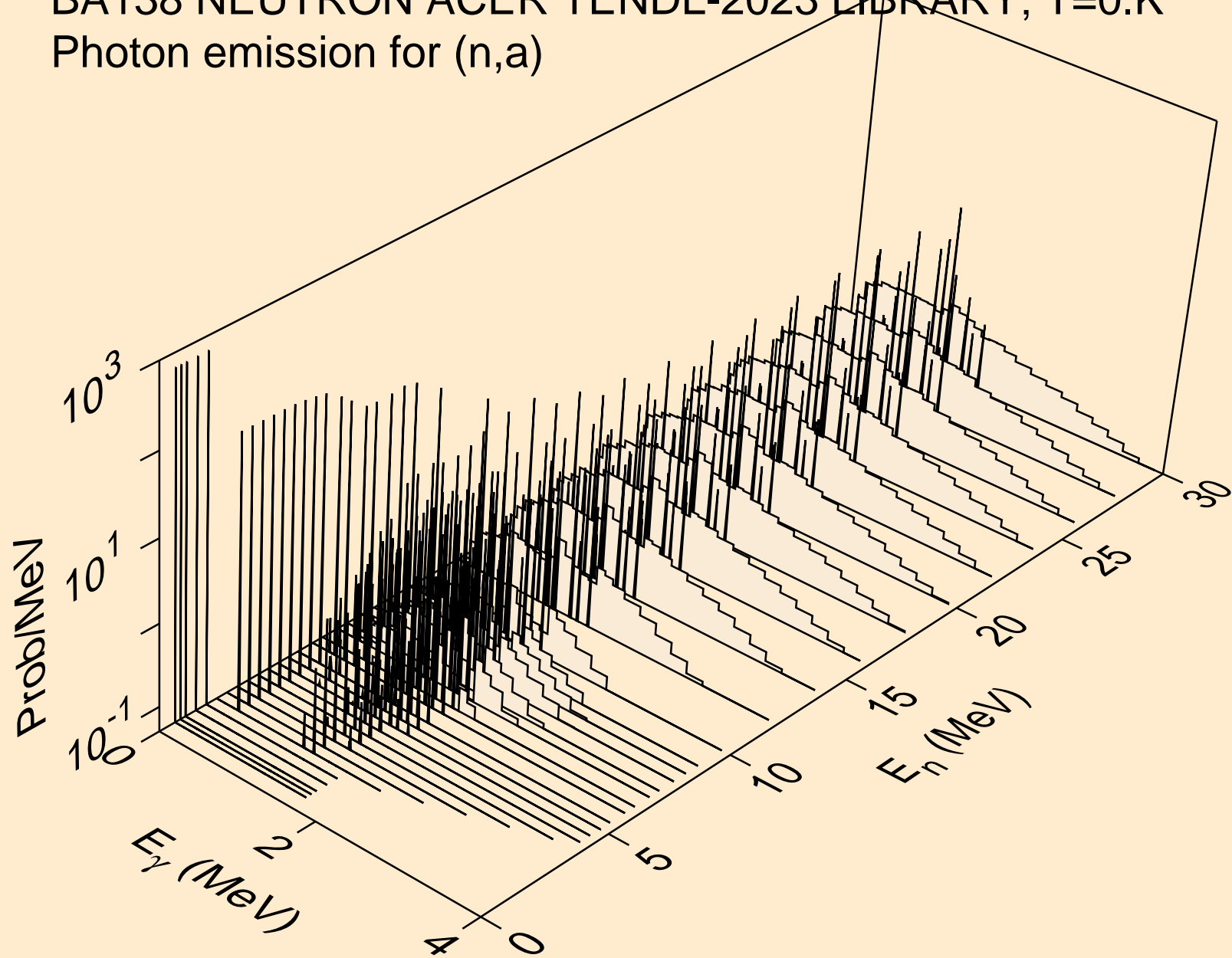
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Photon emission for (n,t)



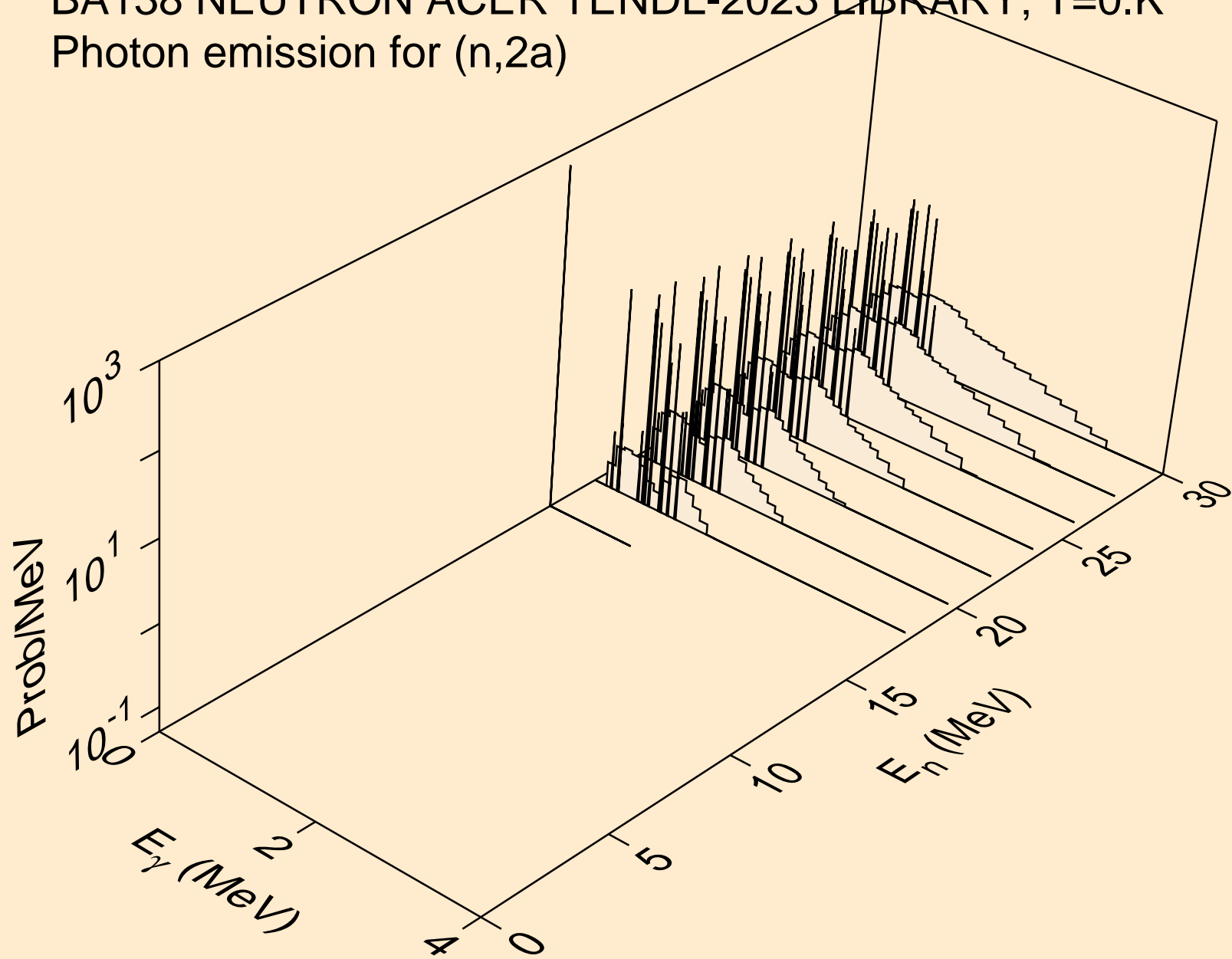
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Photon emission for (n,he3)



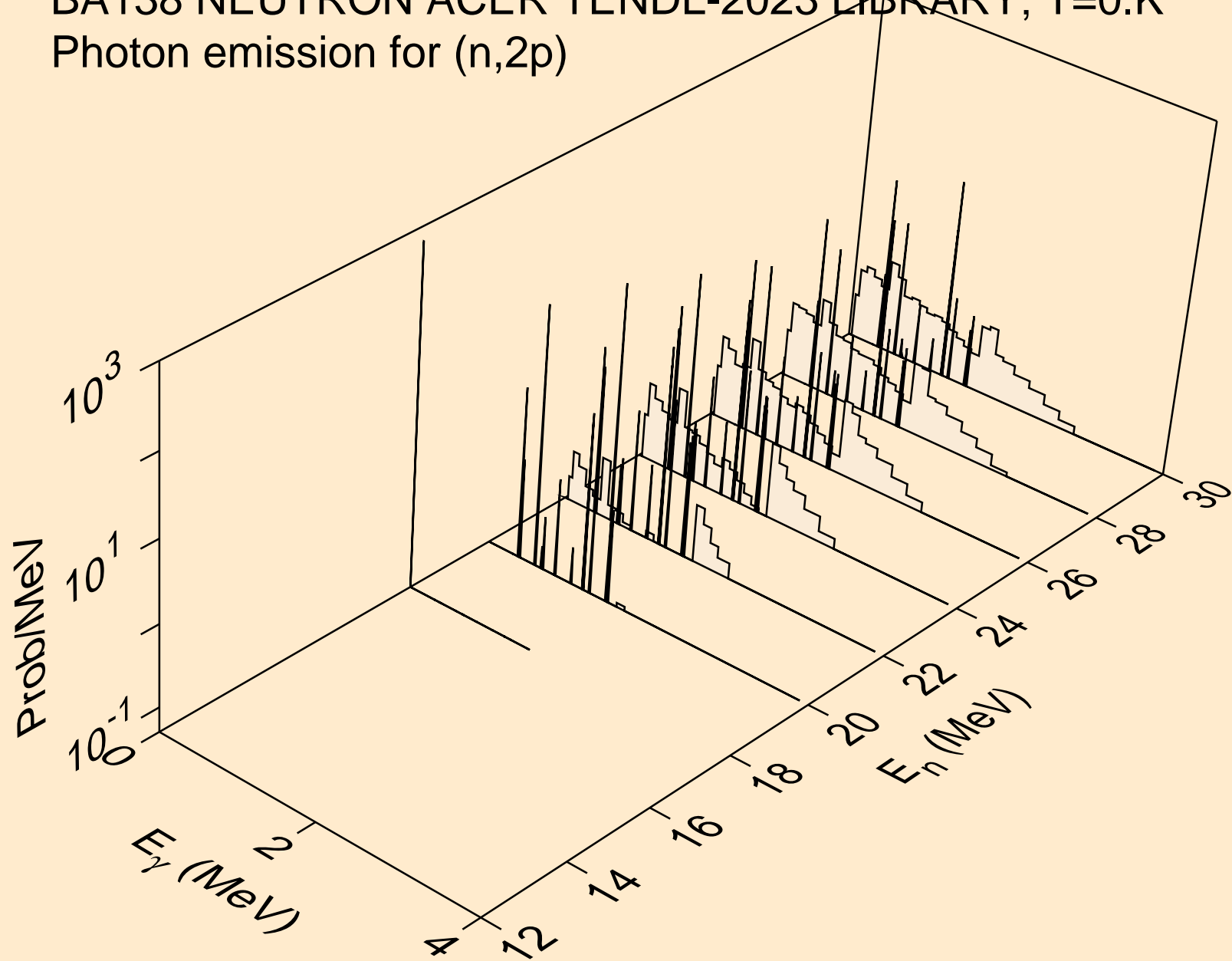
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Photon emission for (n,a)



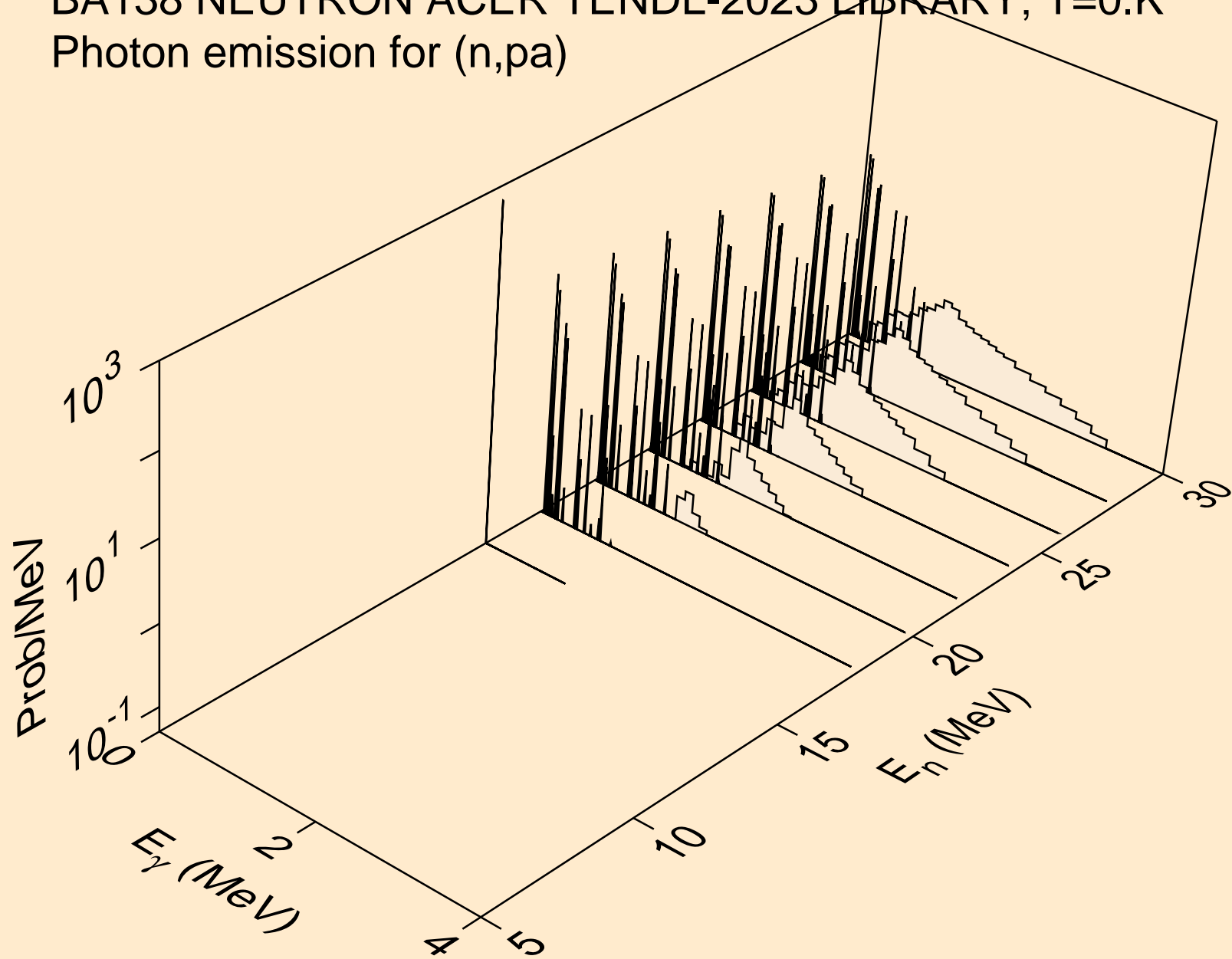
BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2a)



BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)

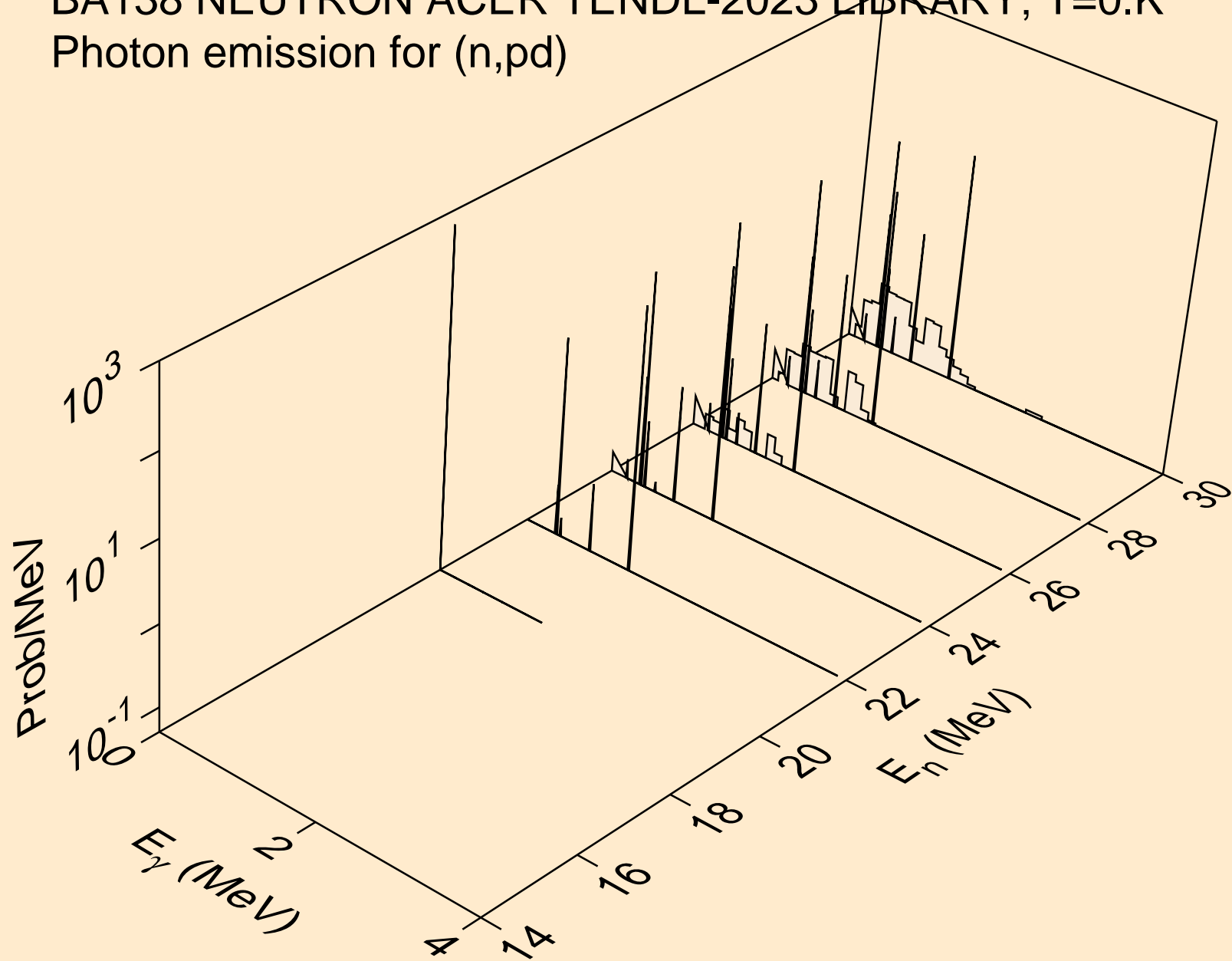


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Photon emission for (n,p $\alpha$ )

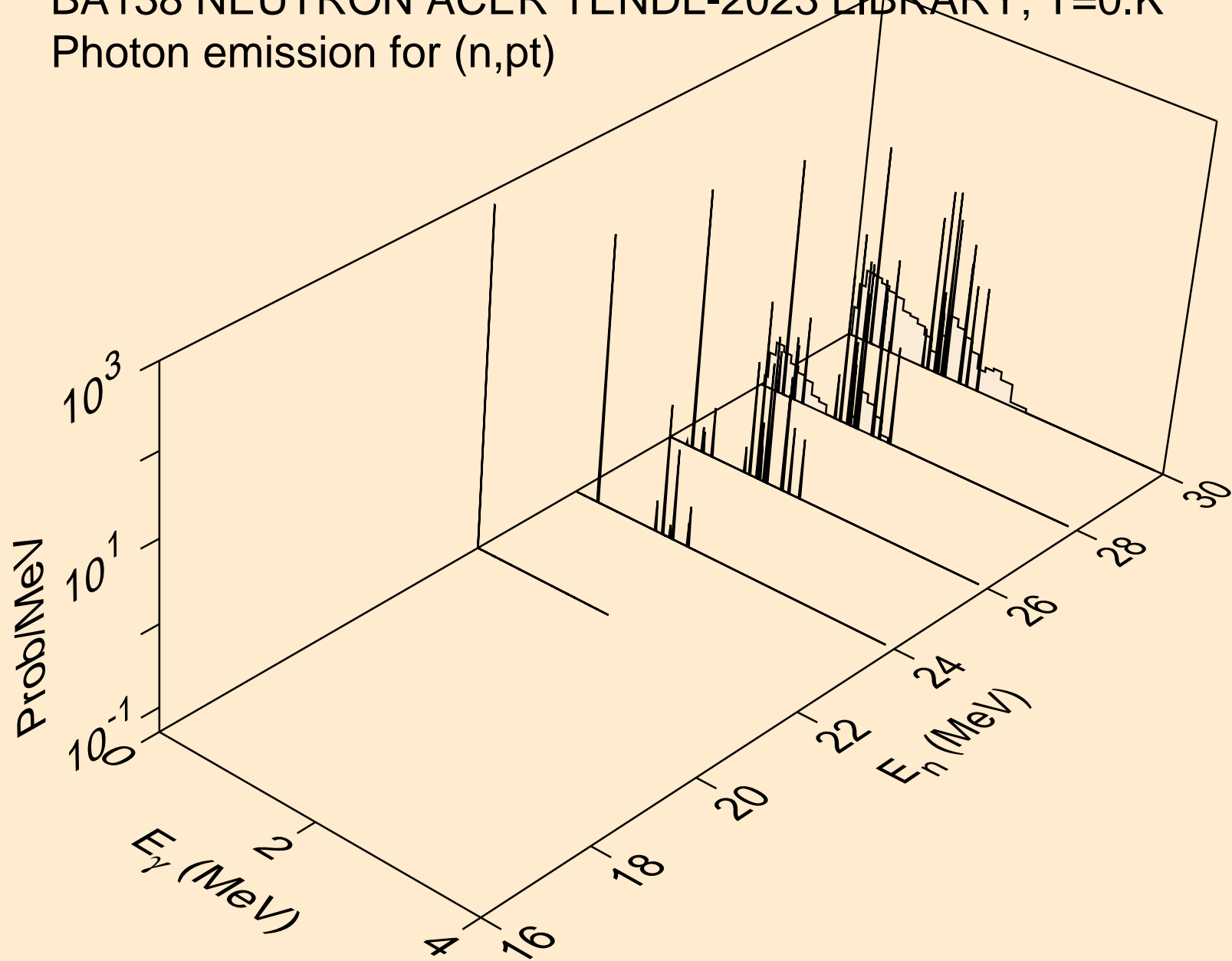




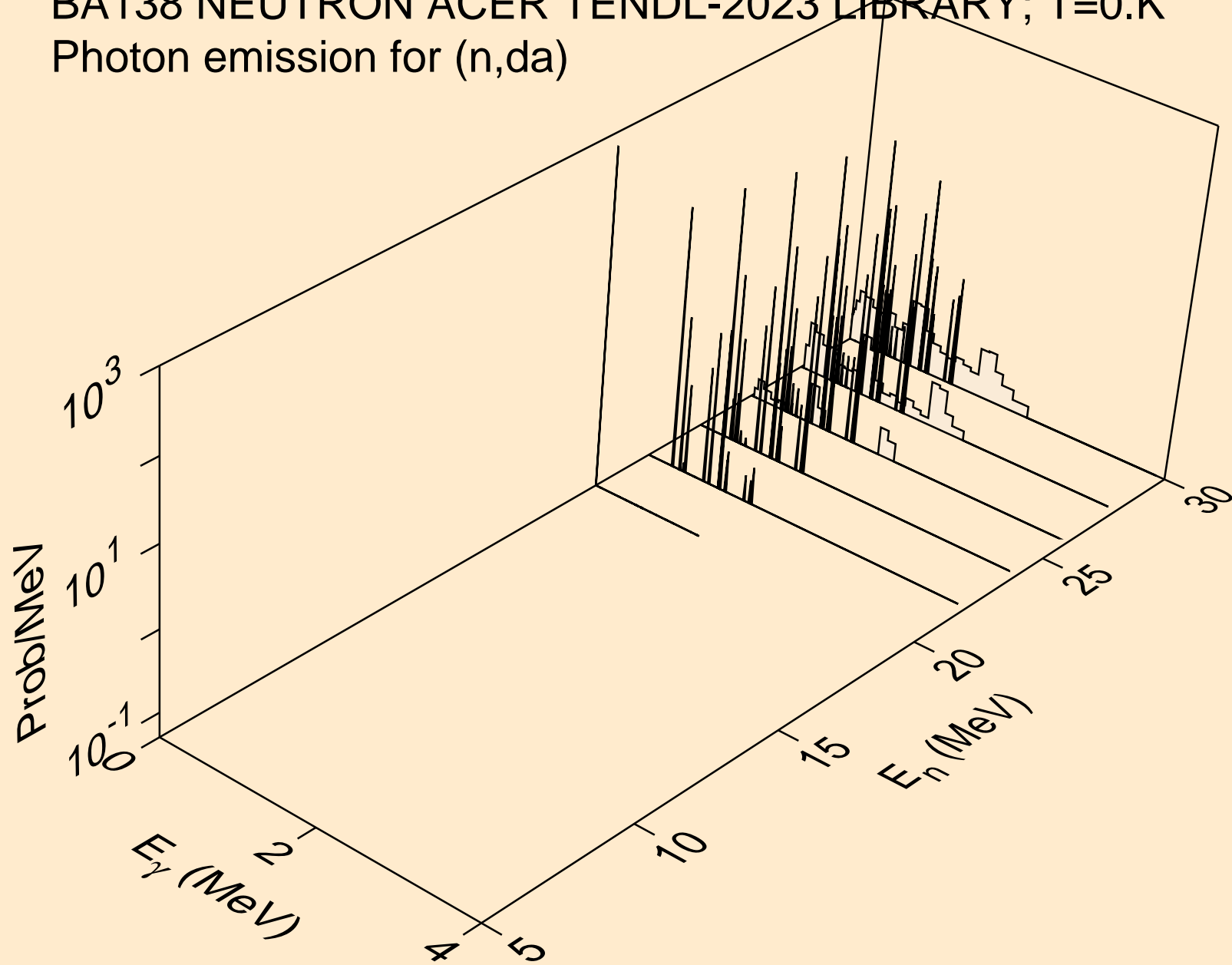
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Photon emission for (n,pd)



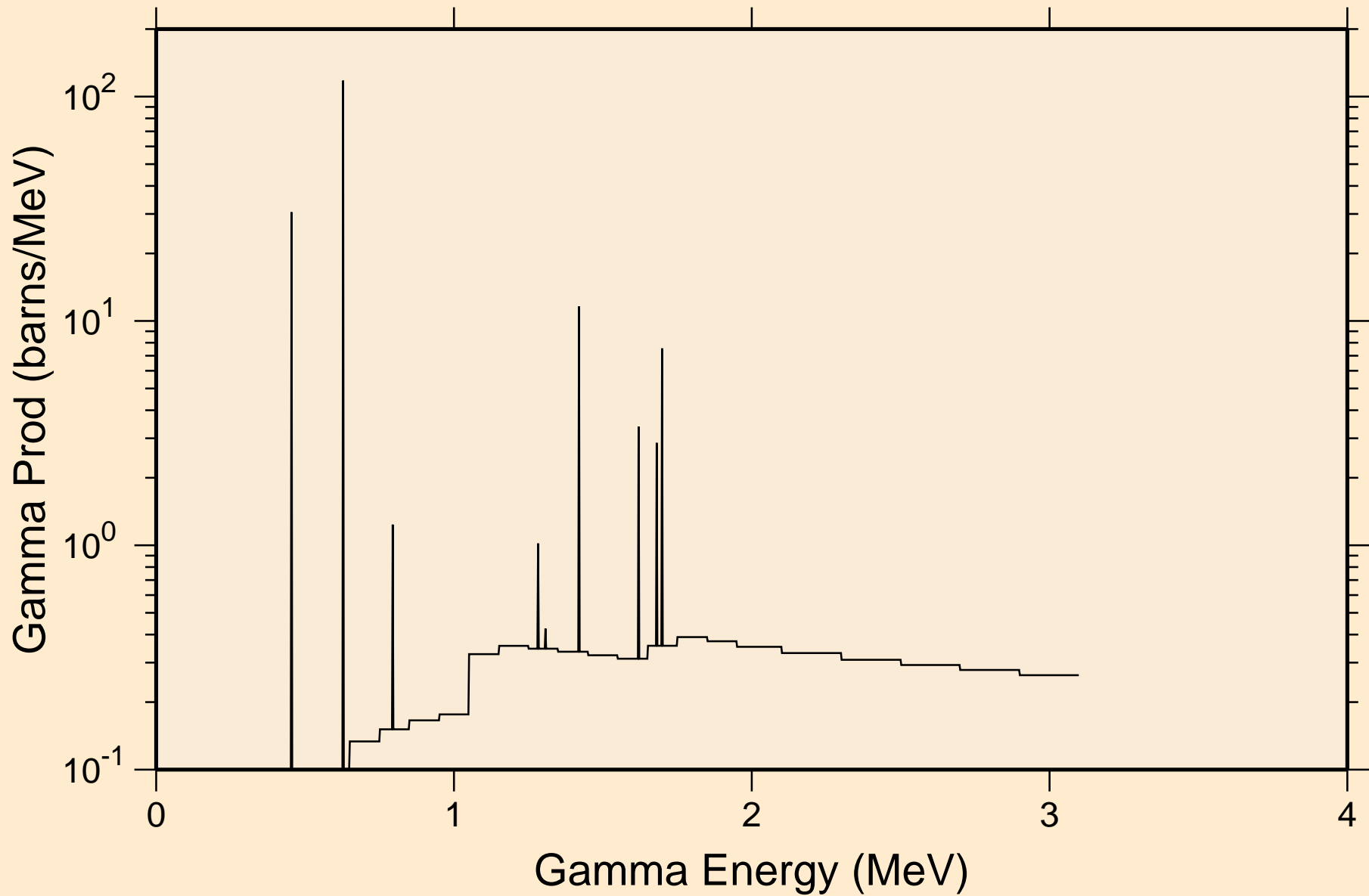
BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)



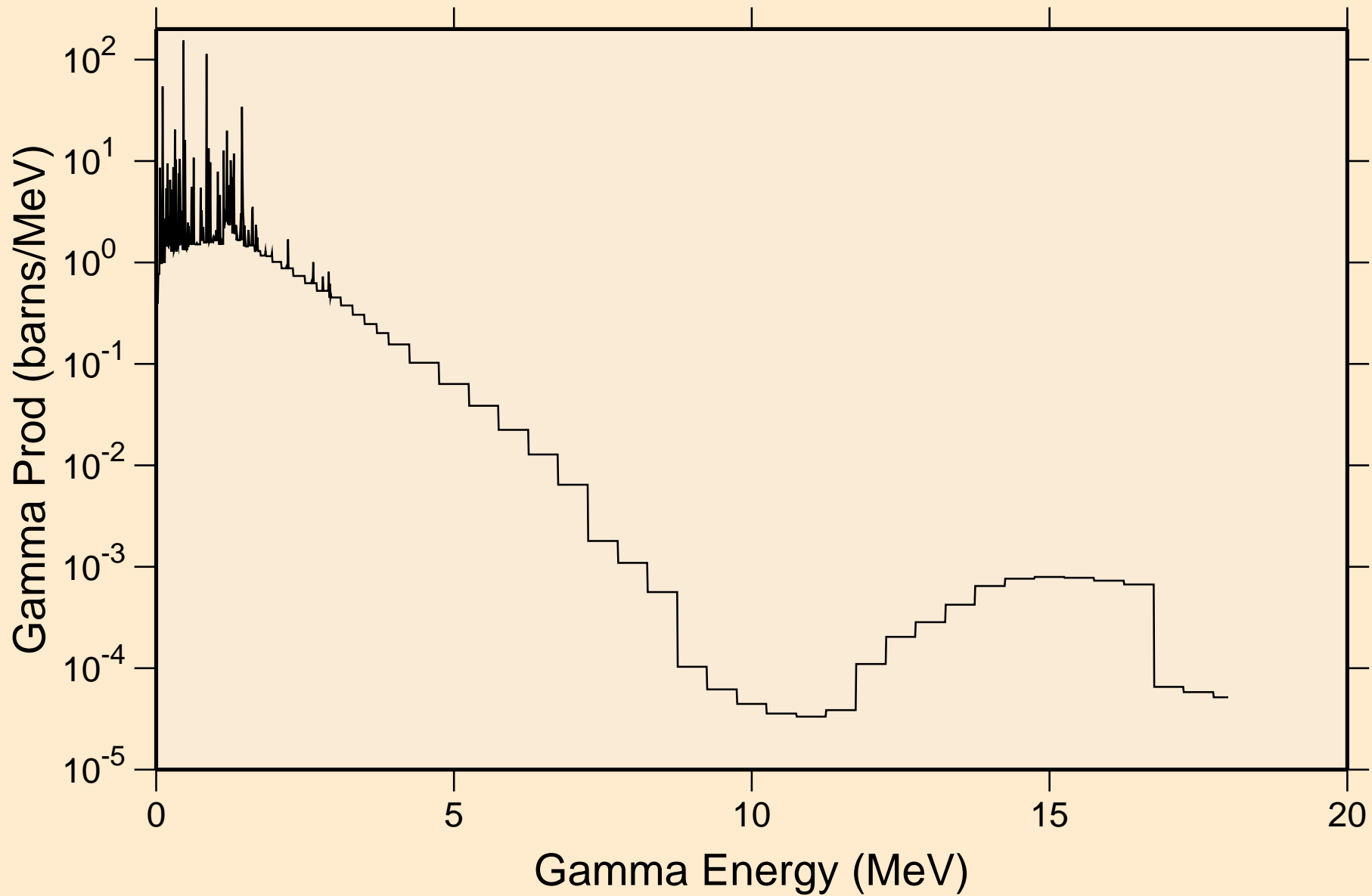
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Photon emission for (n,da)



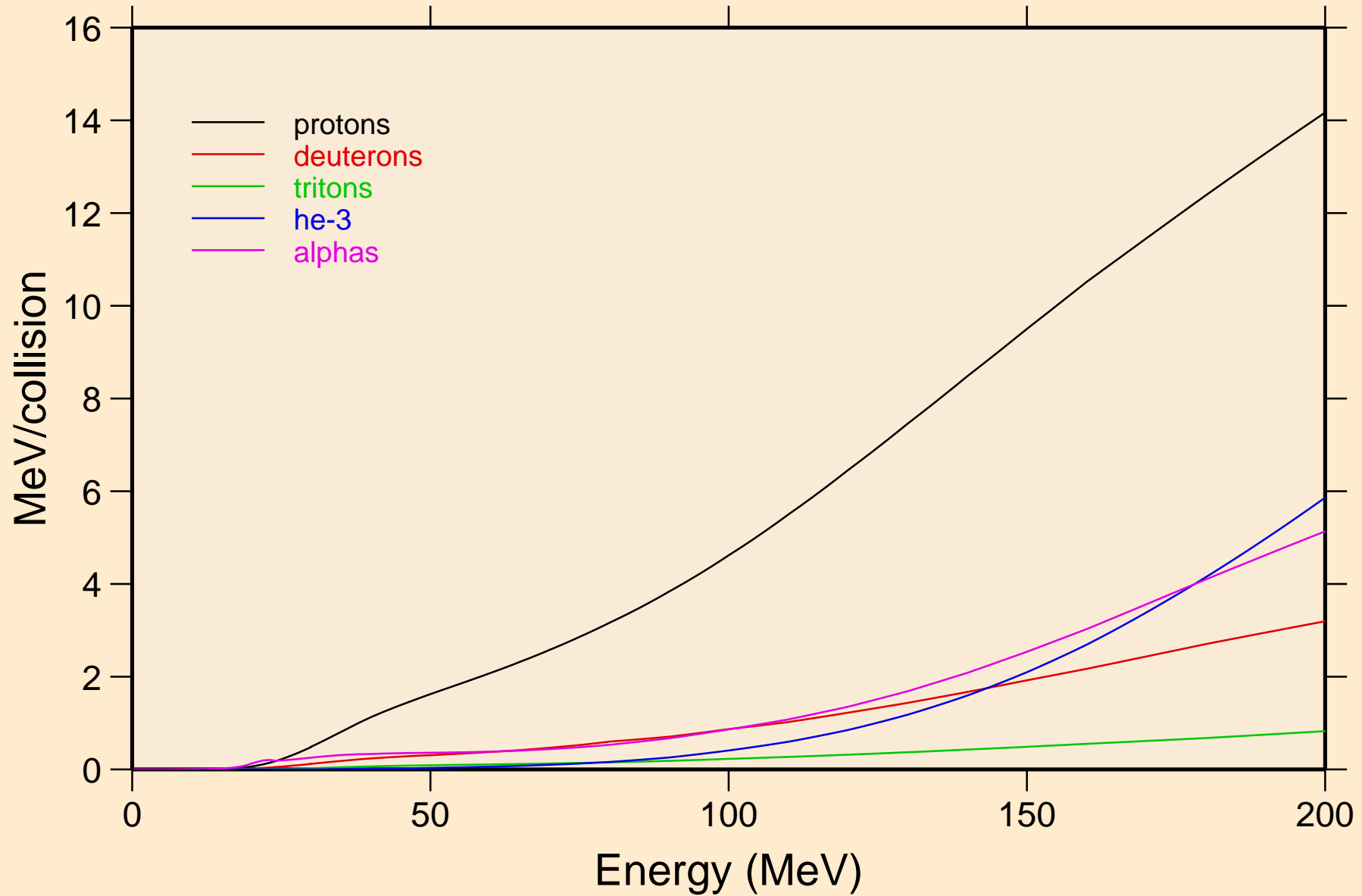
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thermal capture photon spectrum



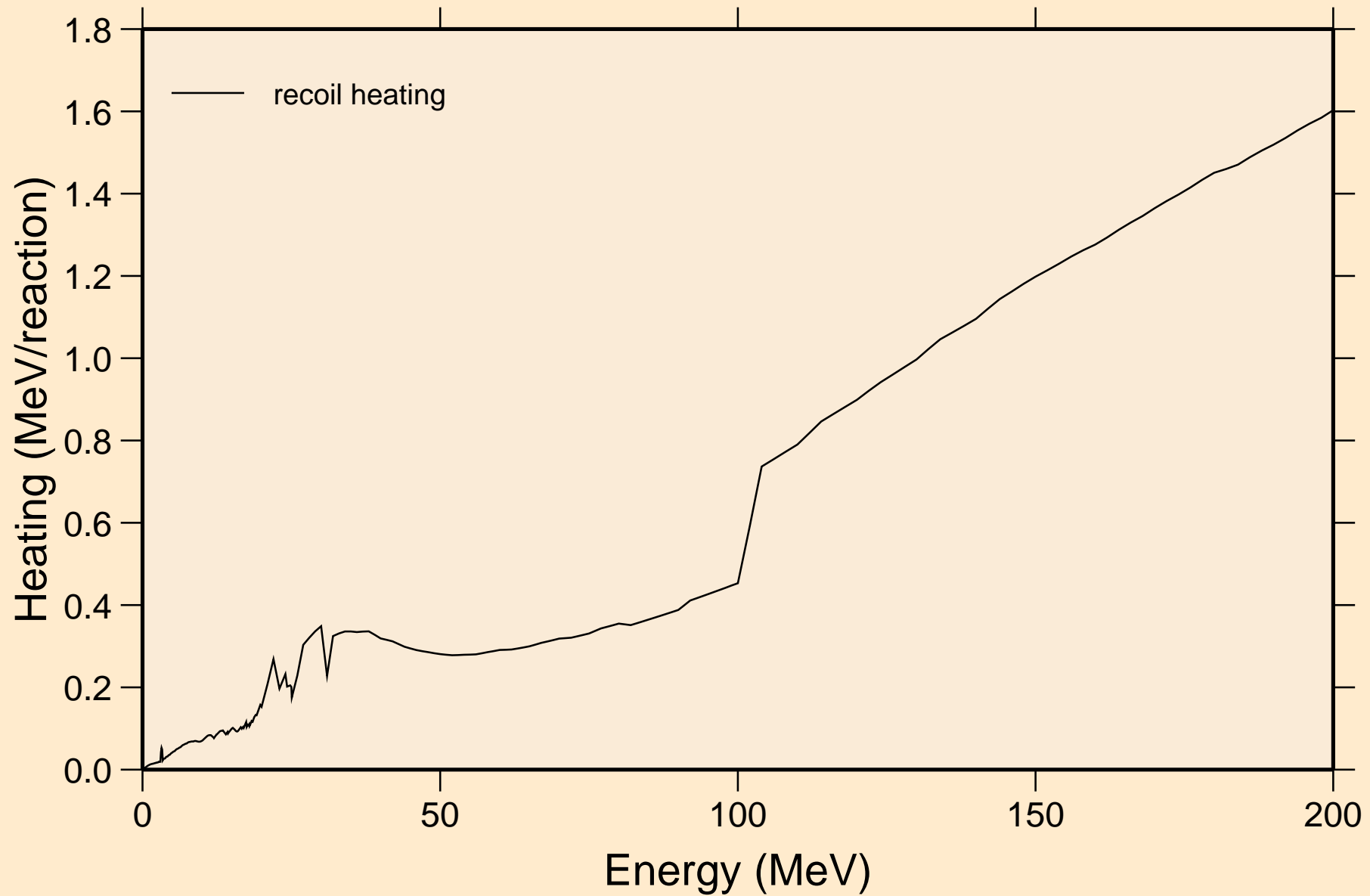
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14 MeV photon spectrum



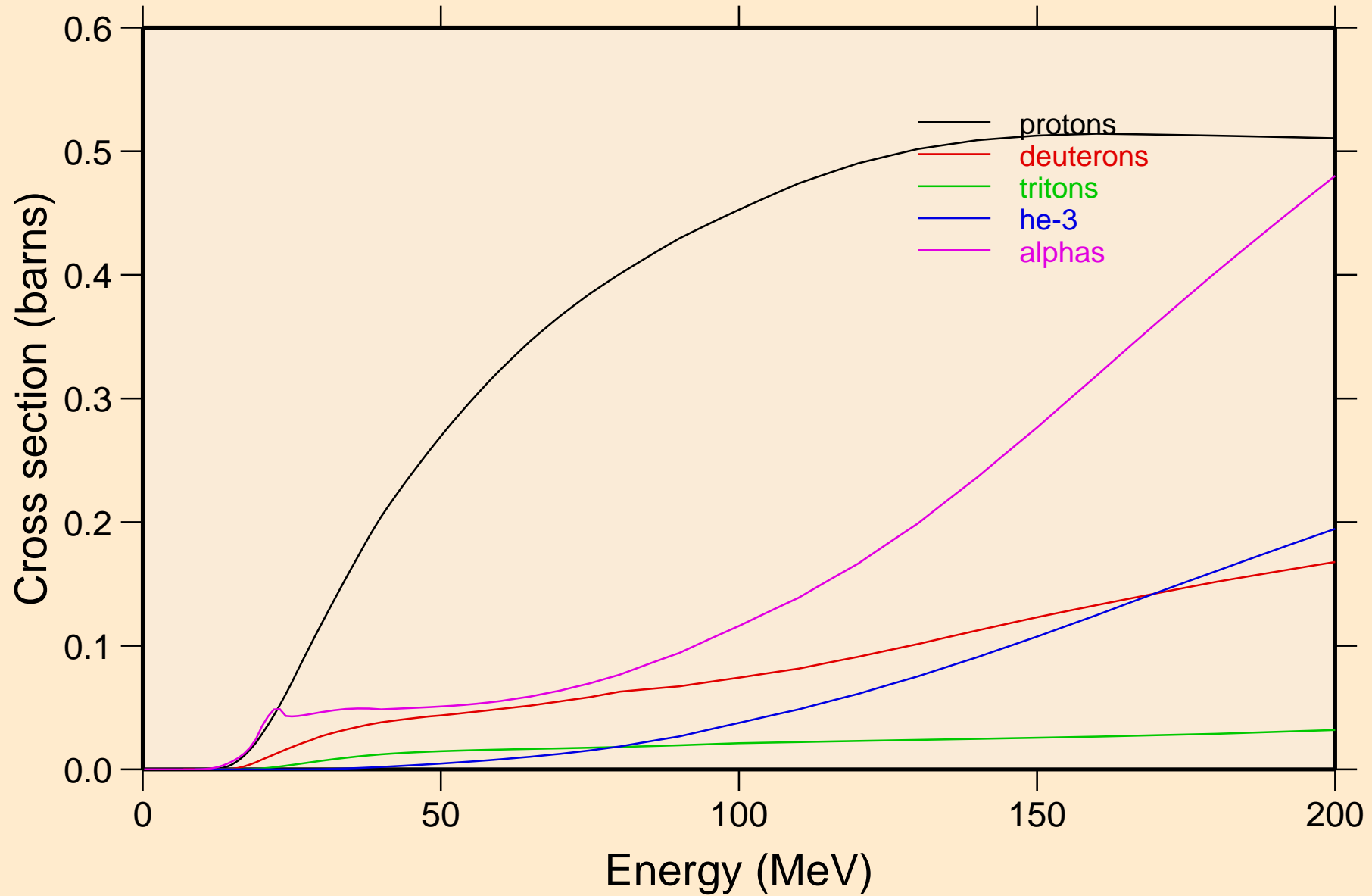
BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Particle heating contributions



BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating

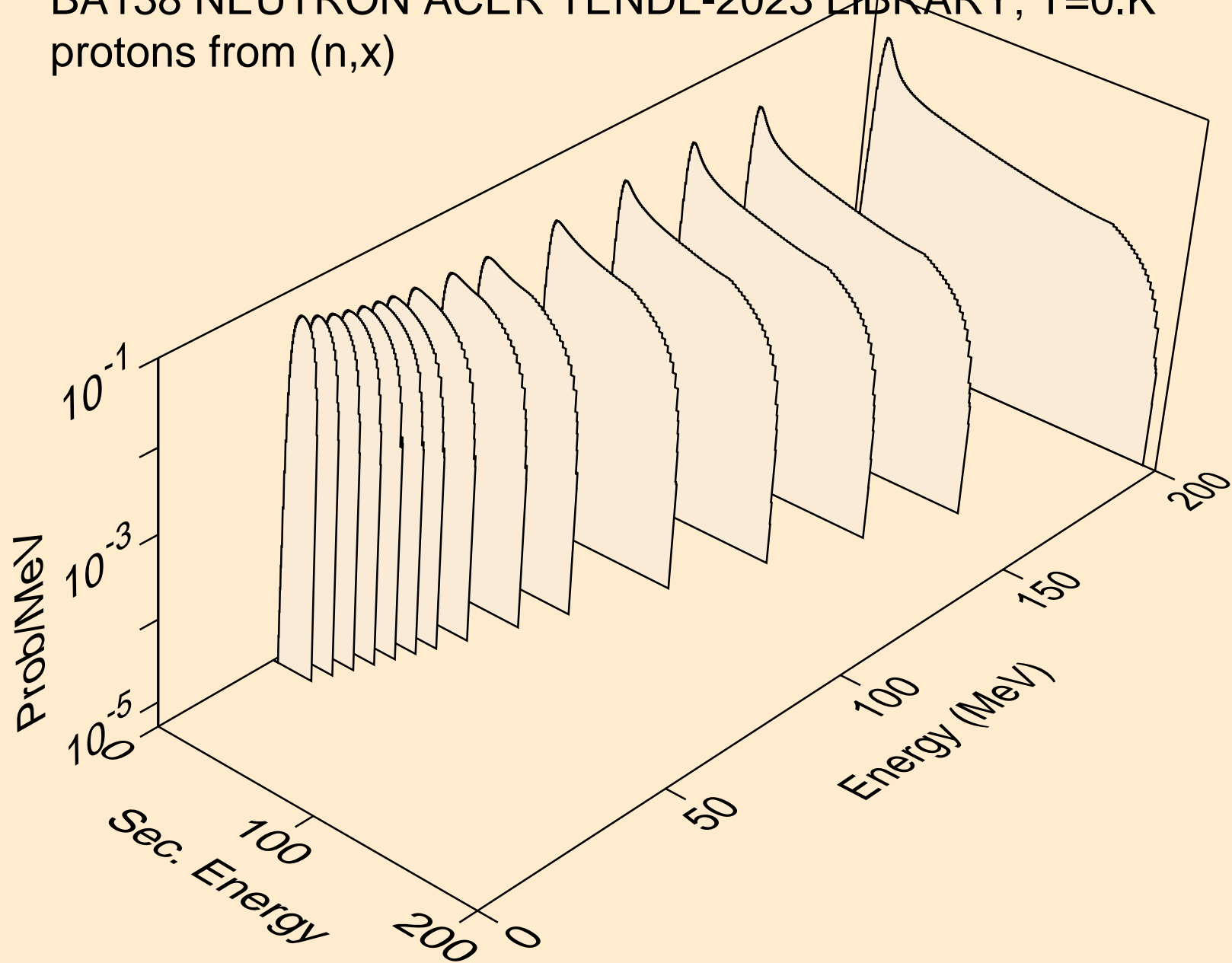


BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Particle production cross sections

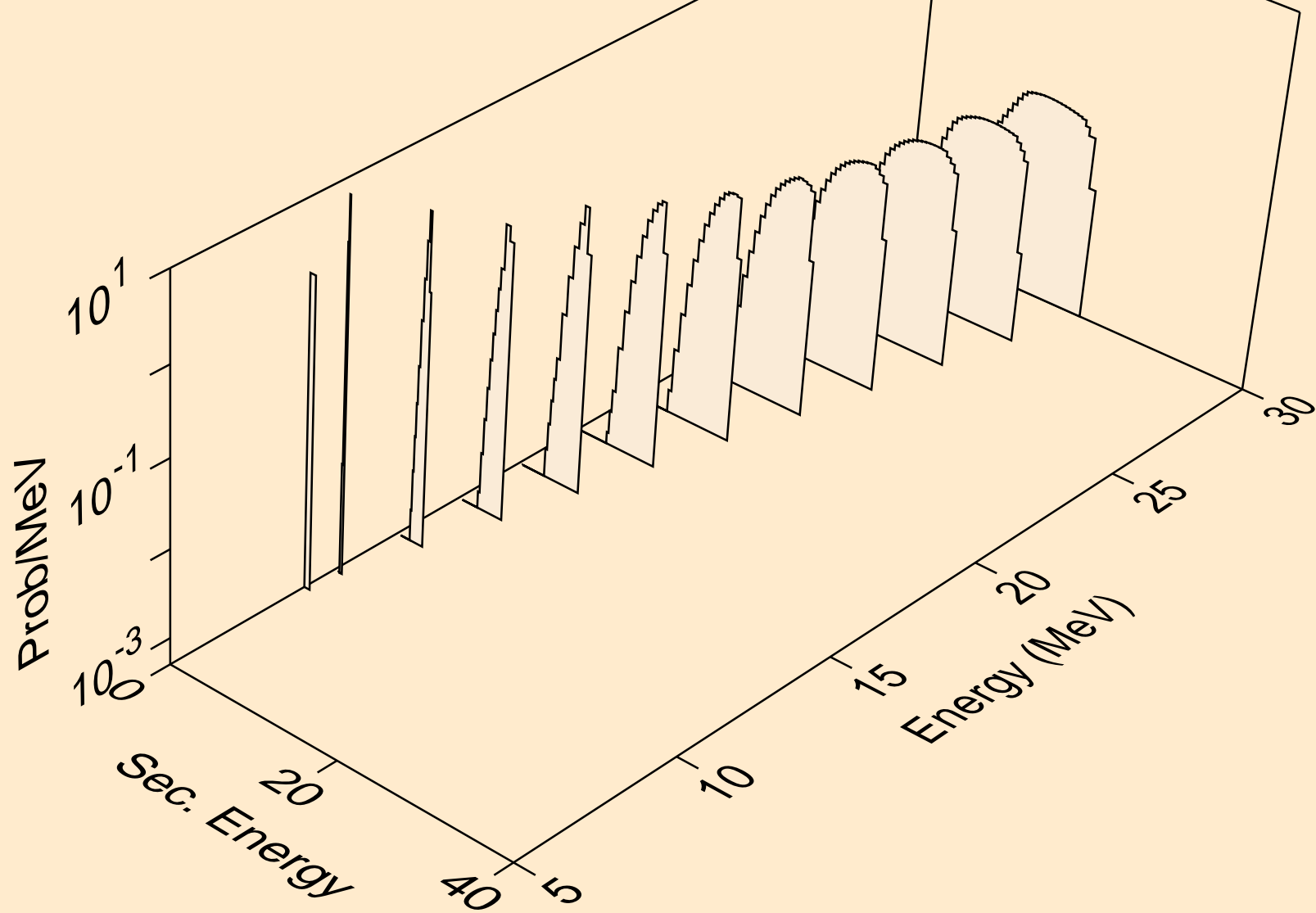




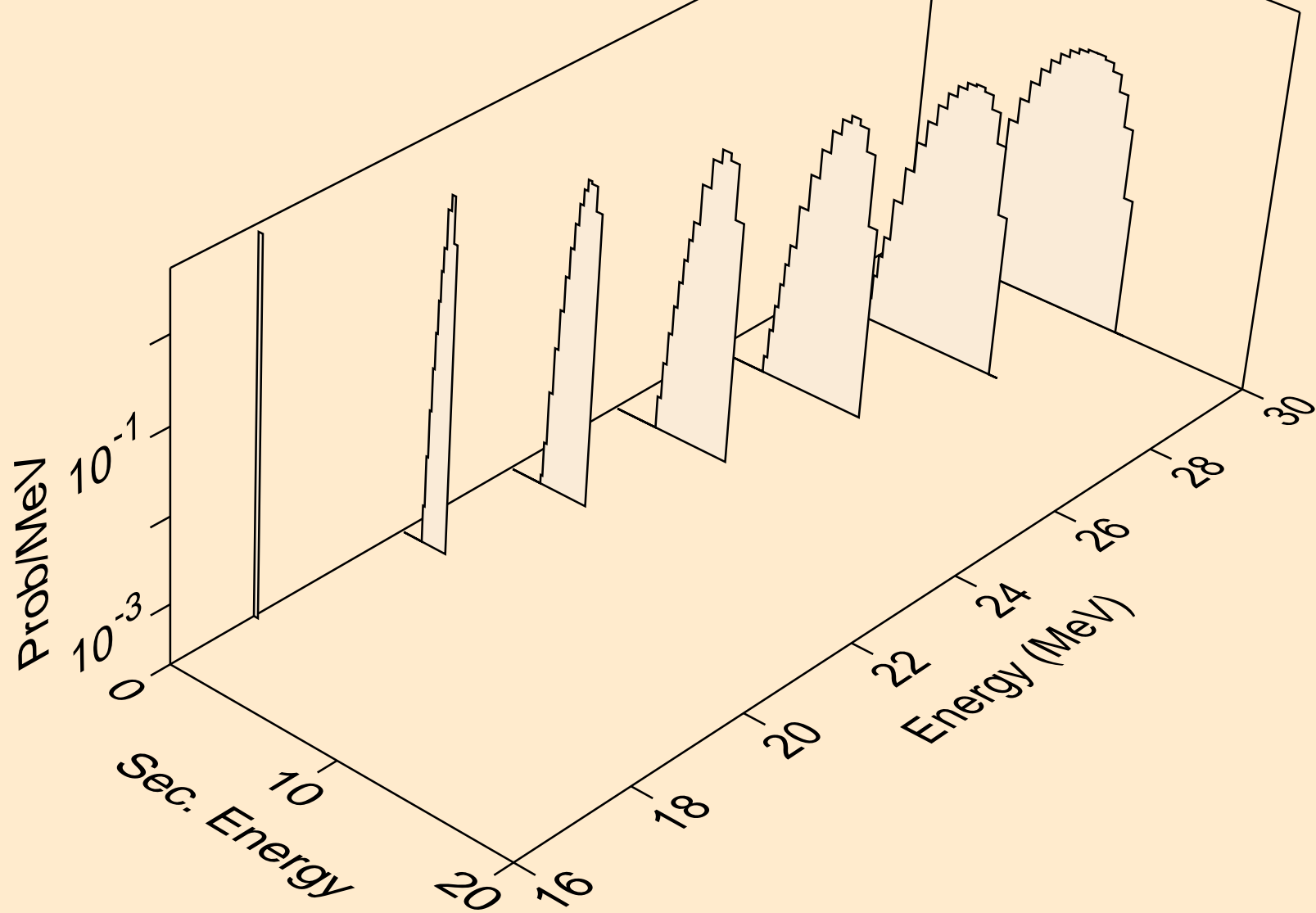
BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,x)



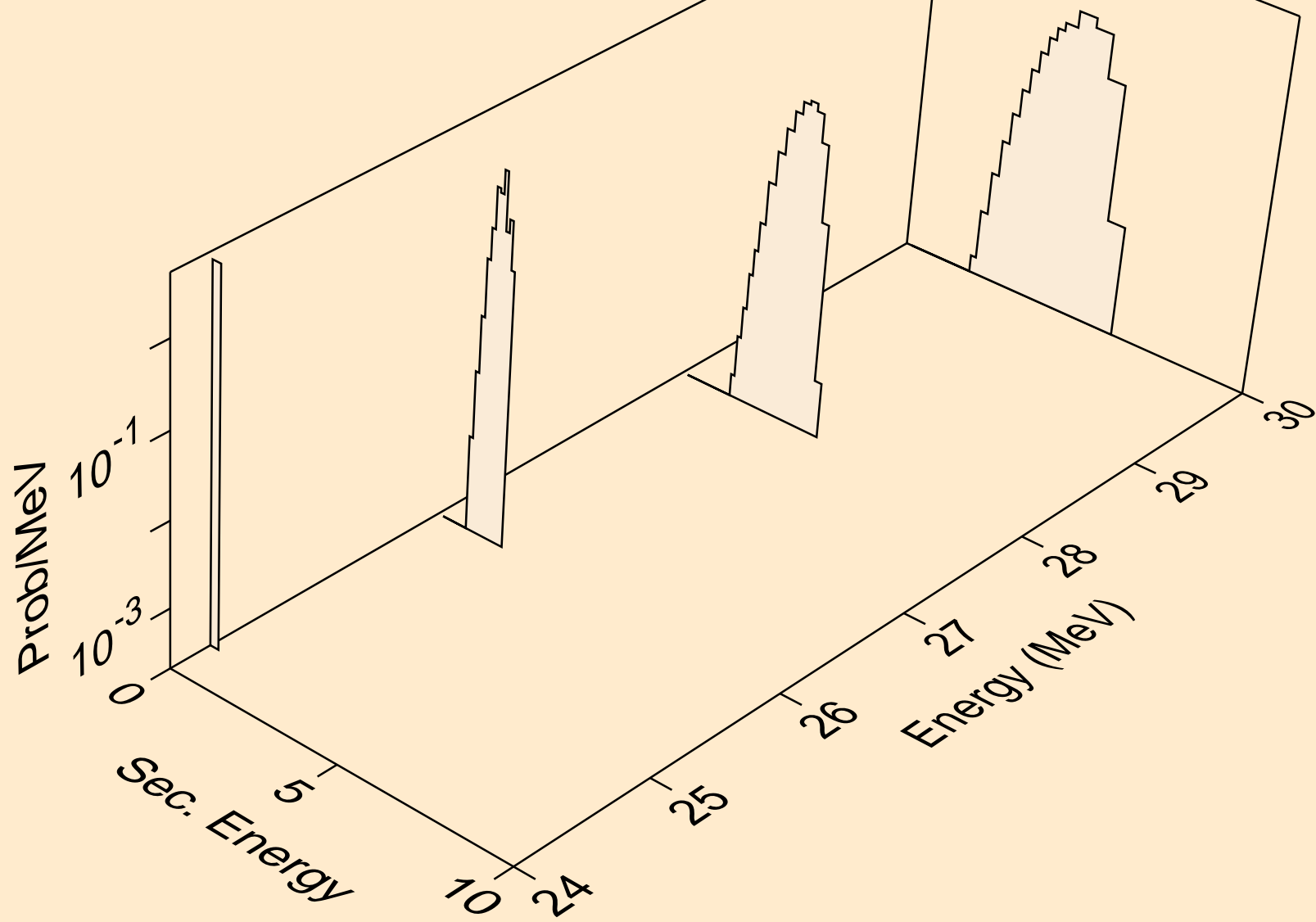
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protons from (n,n\*)p



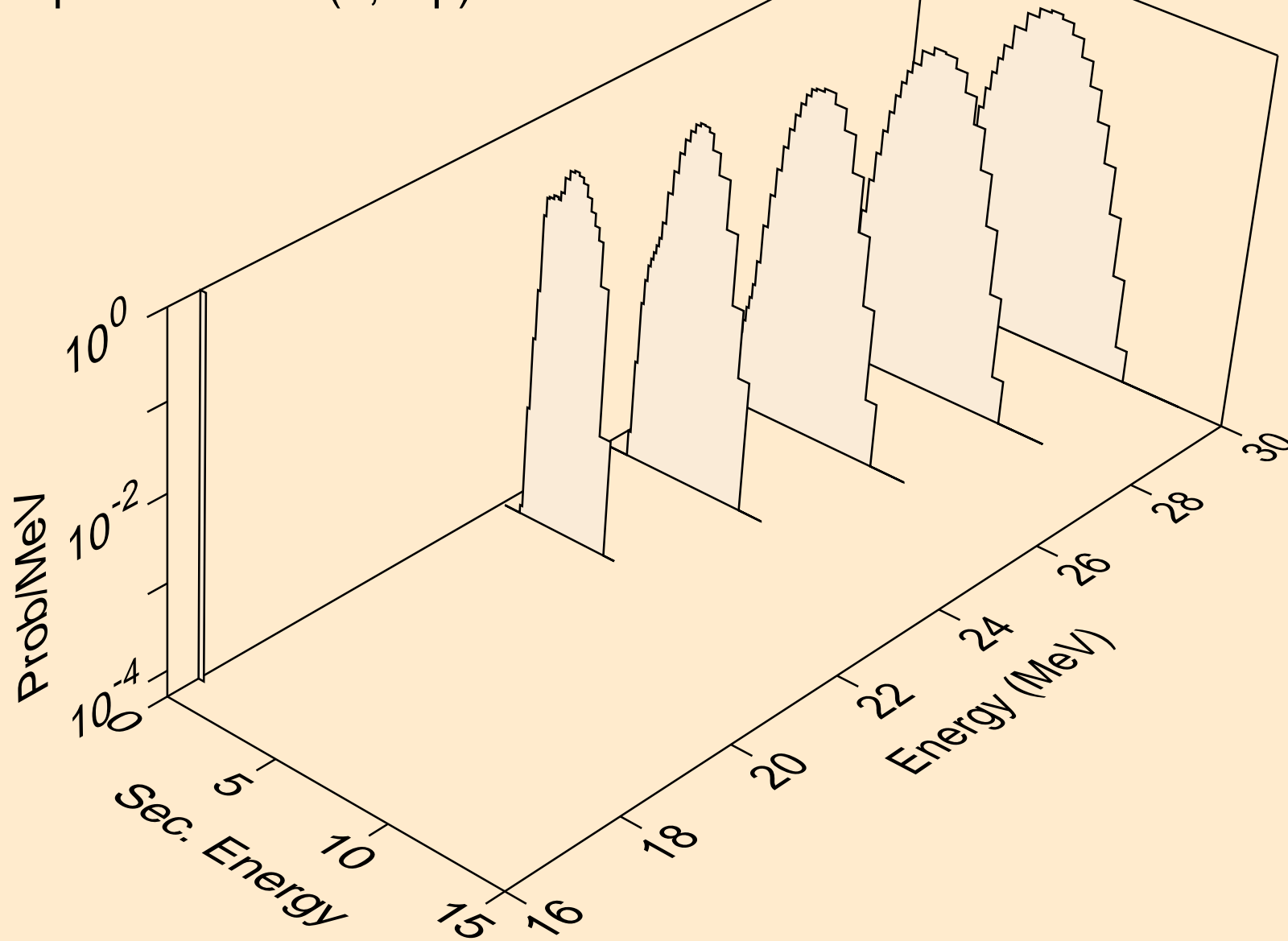
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protons from (n,2np)



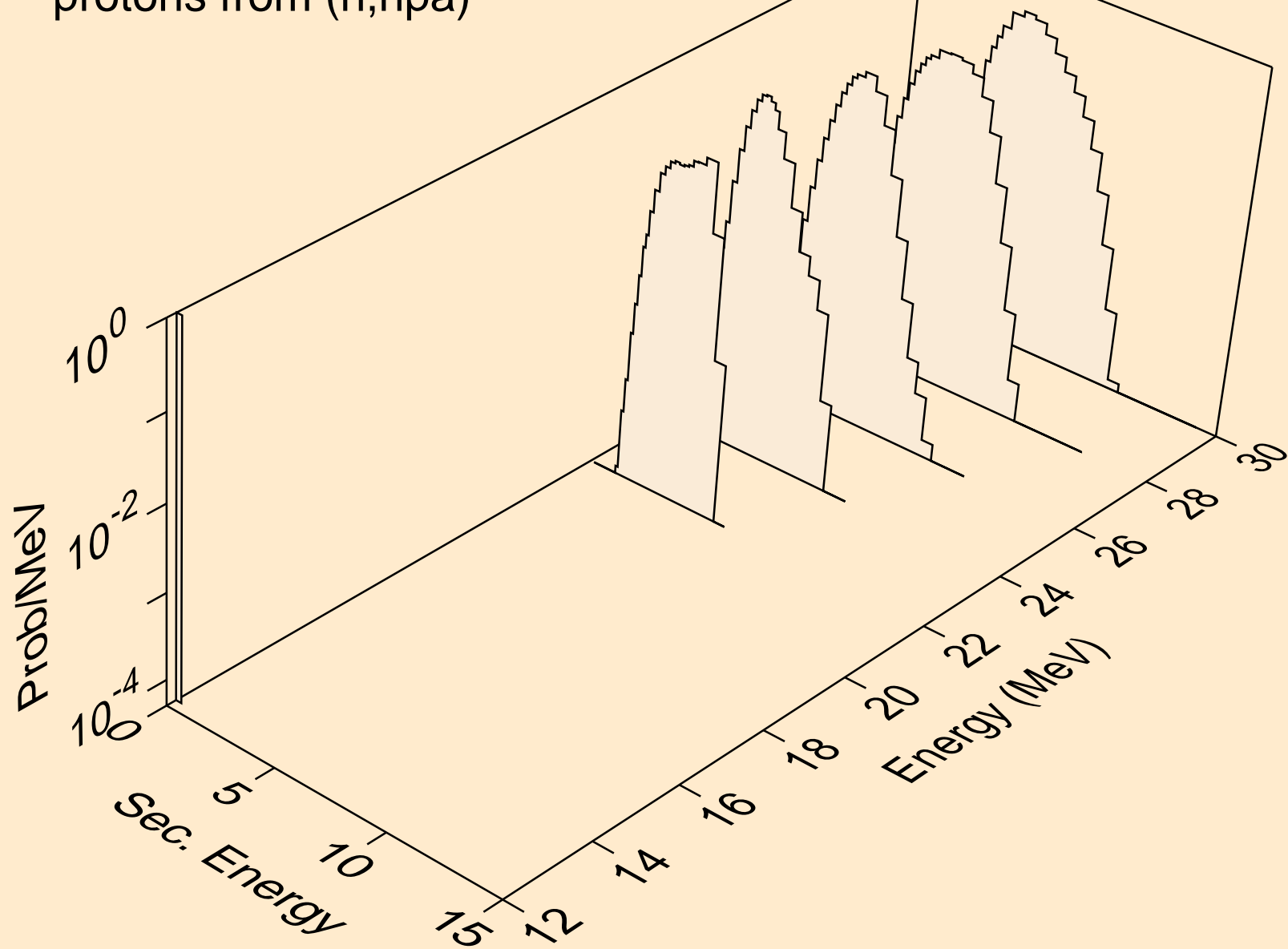
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protons from (n,3np)



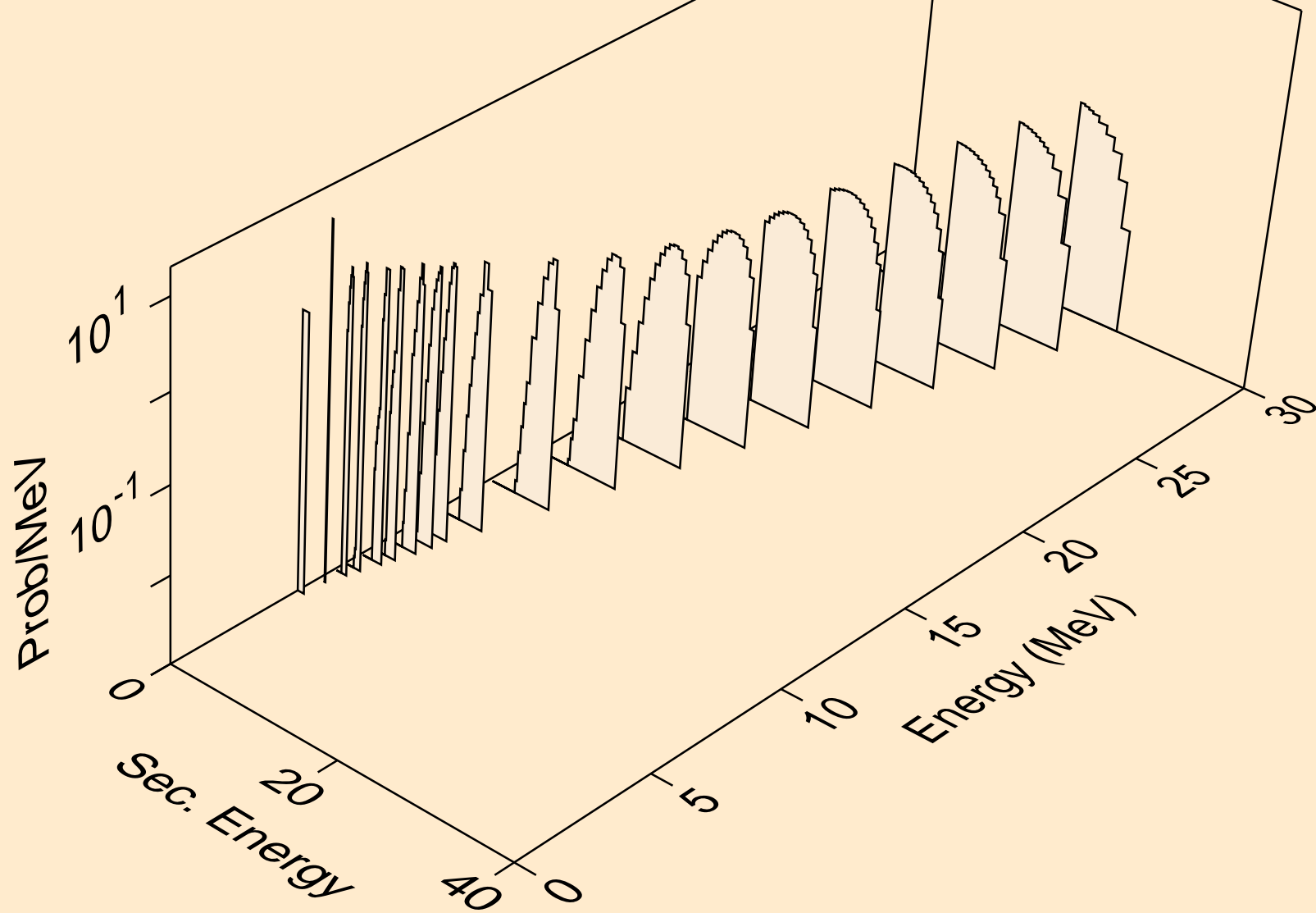
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protons from (n,n2p)



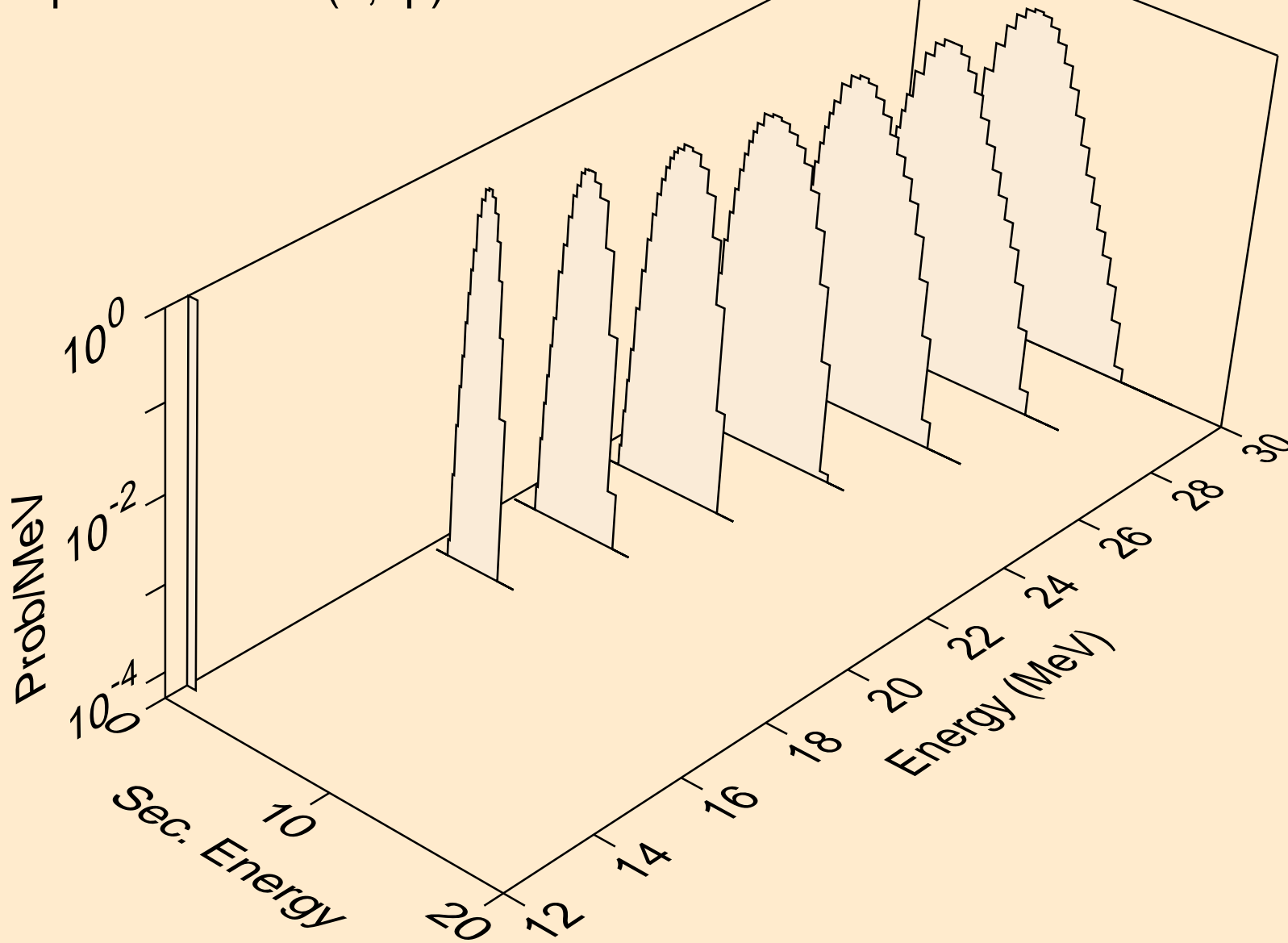
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protons from (n,npa)



BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
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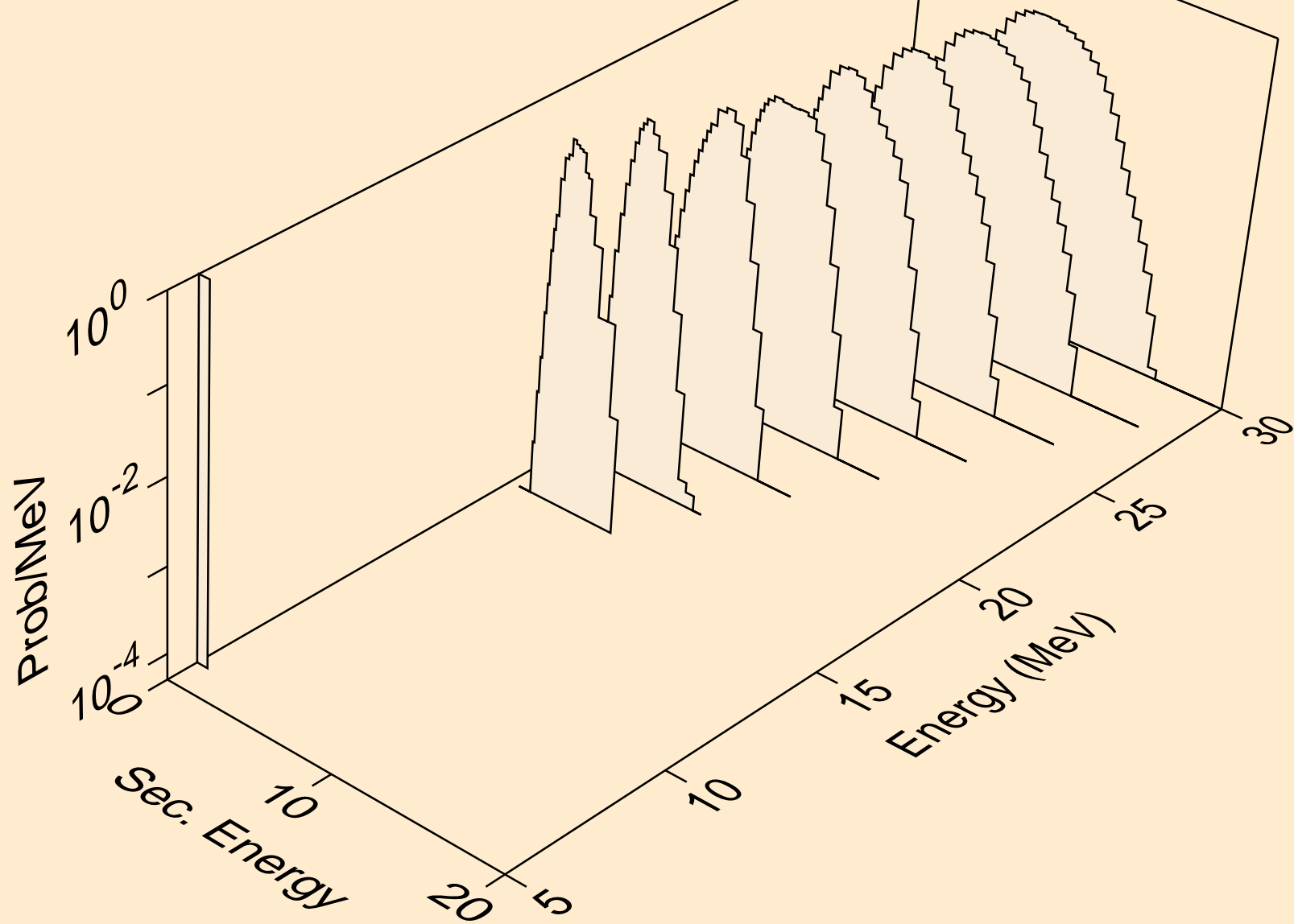


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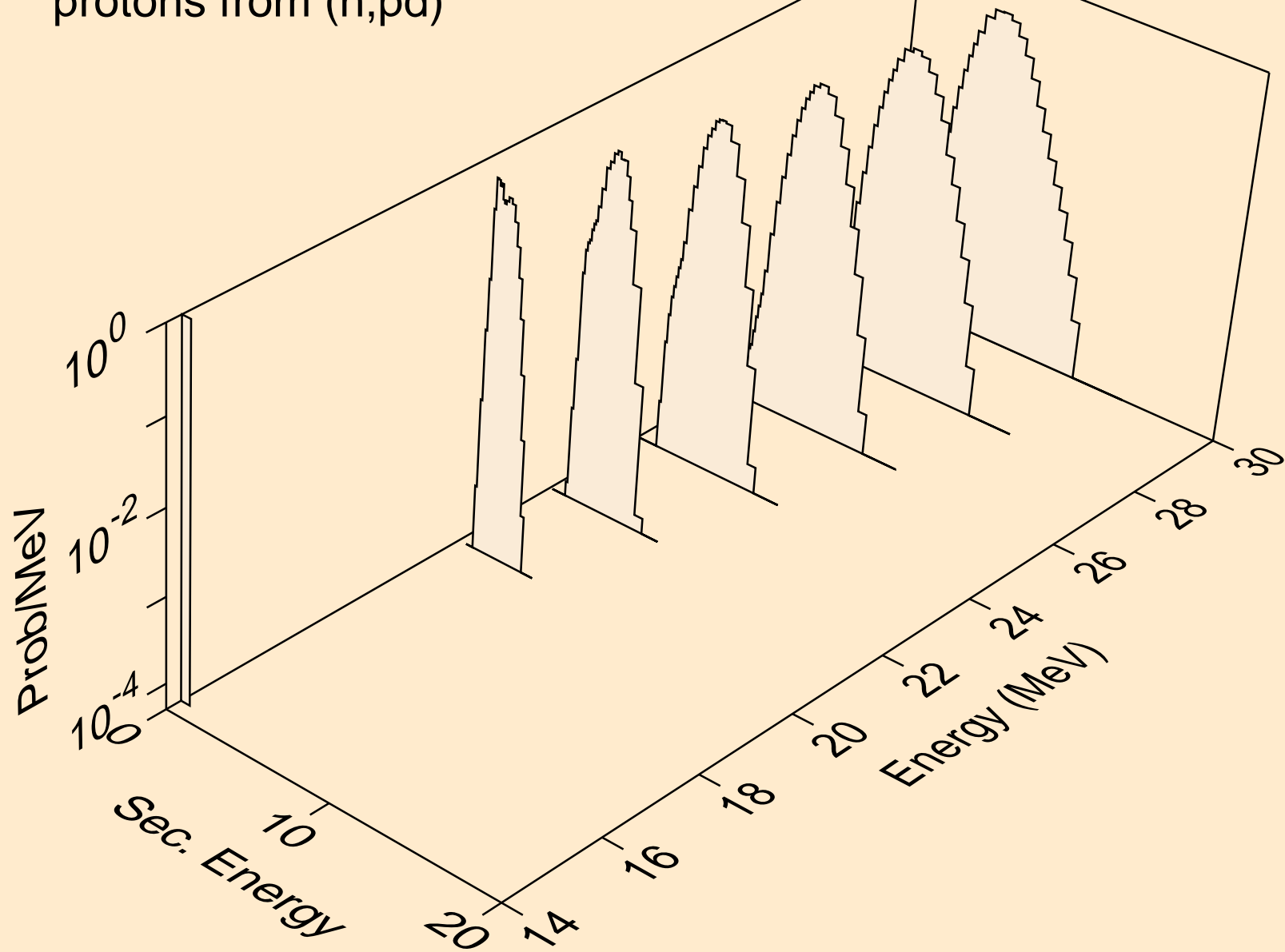




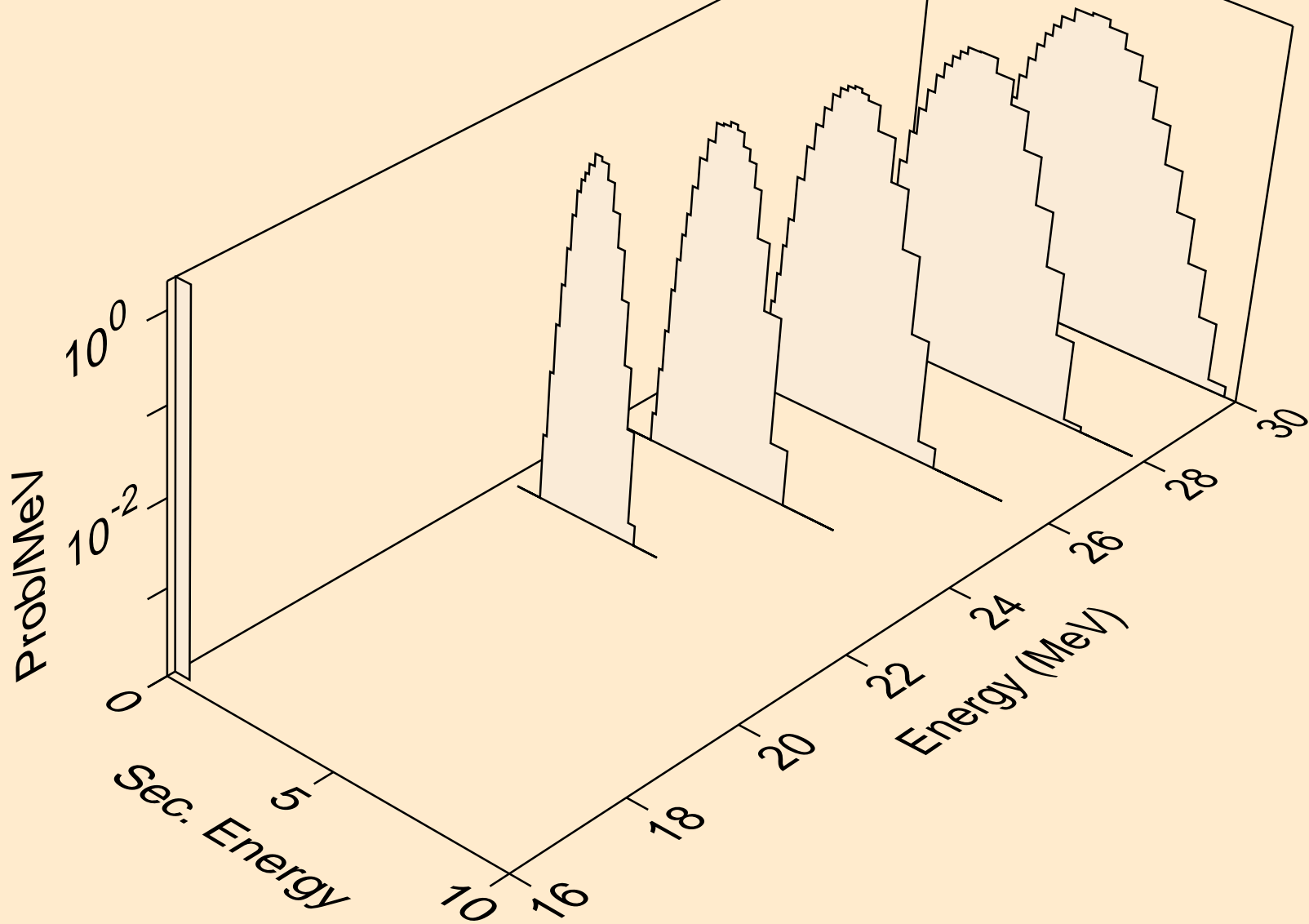
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protons from (n,pa)



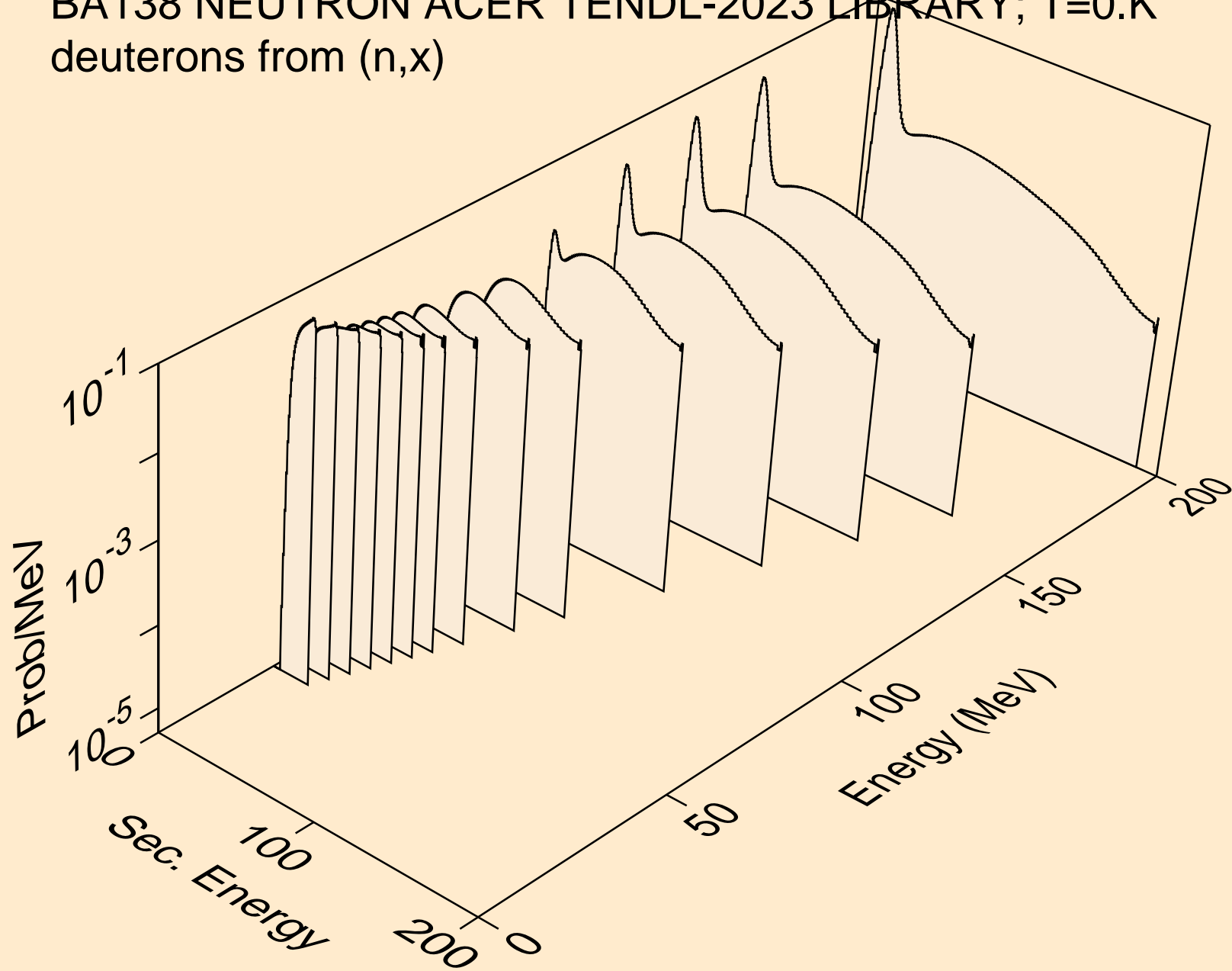
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protons from (n,pd)



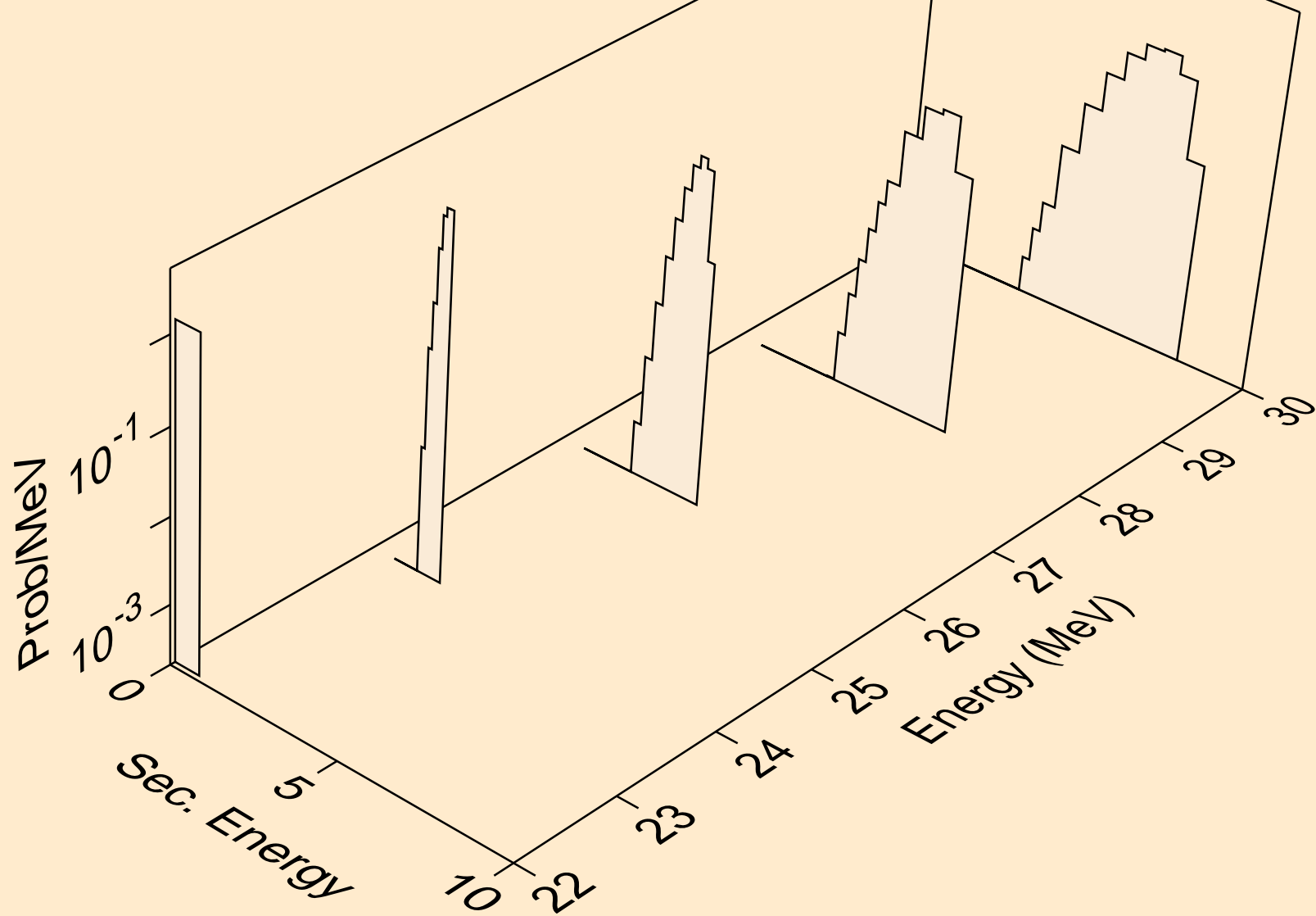
BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,pt)



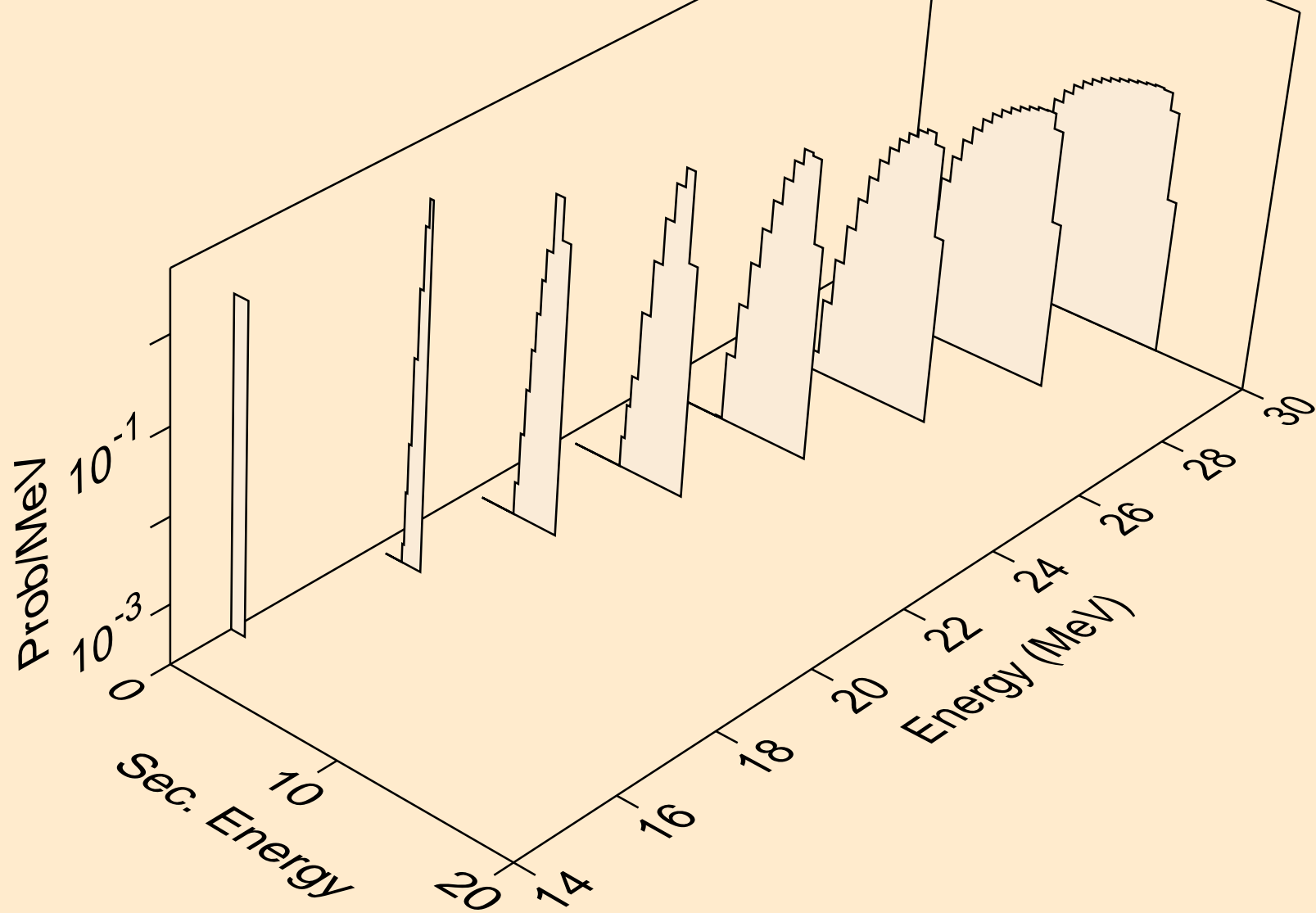
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deuterons from (n,x)



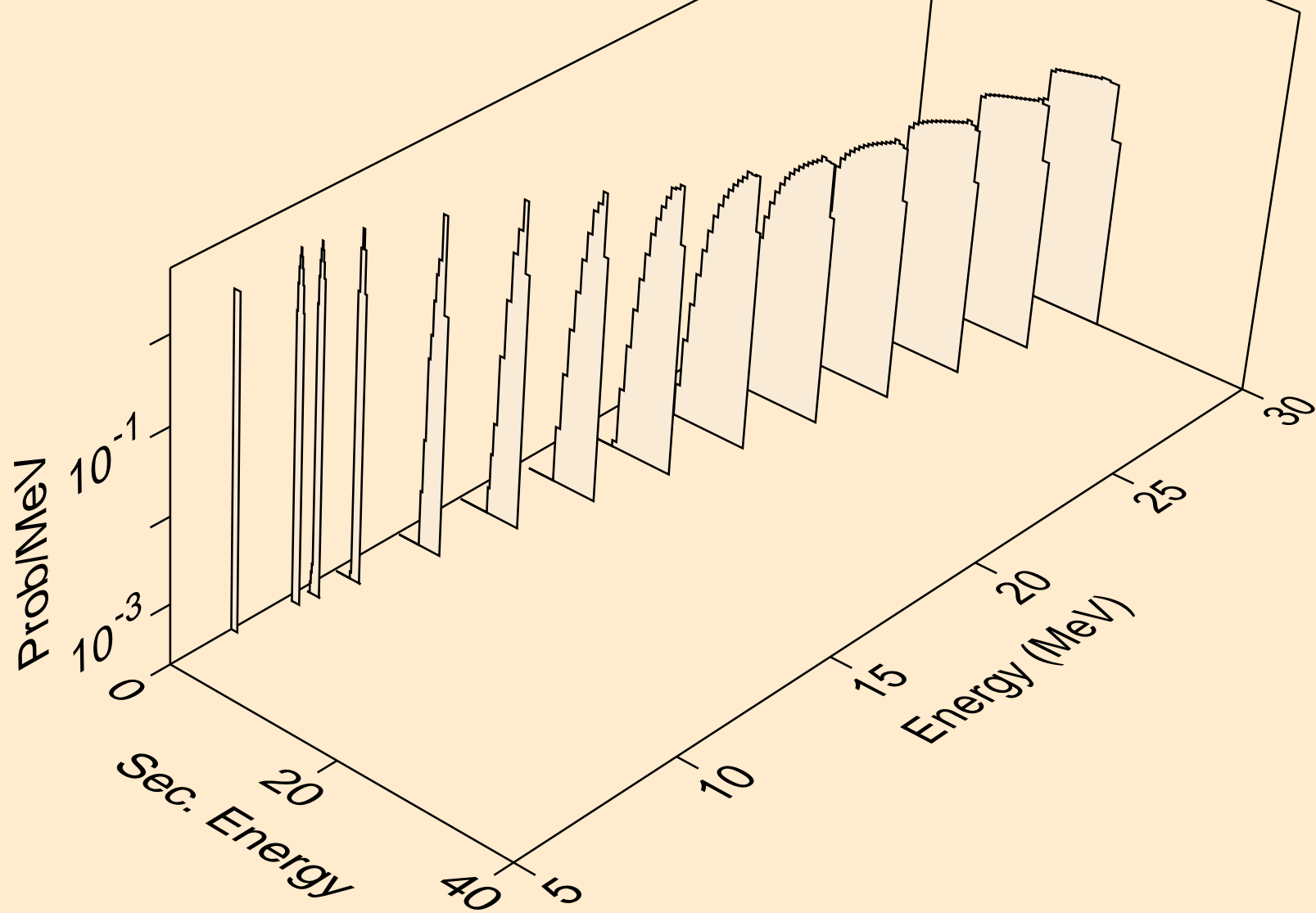
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deuterons from (n,2nd)



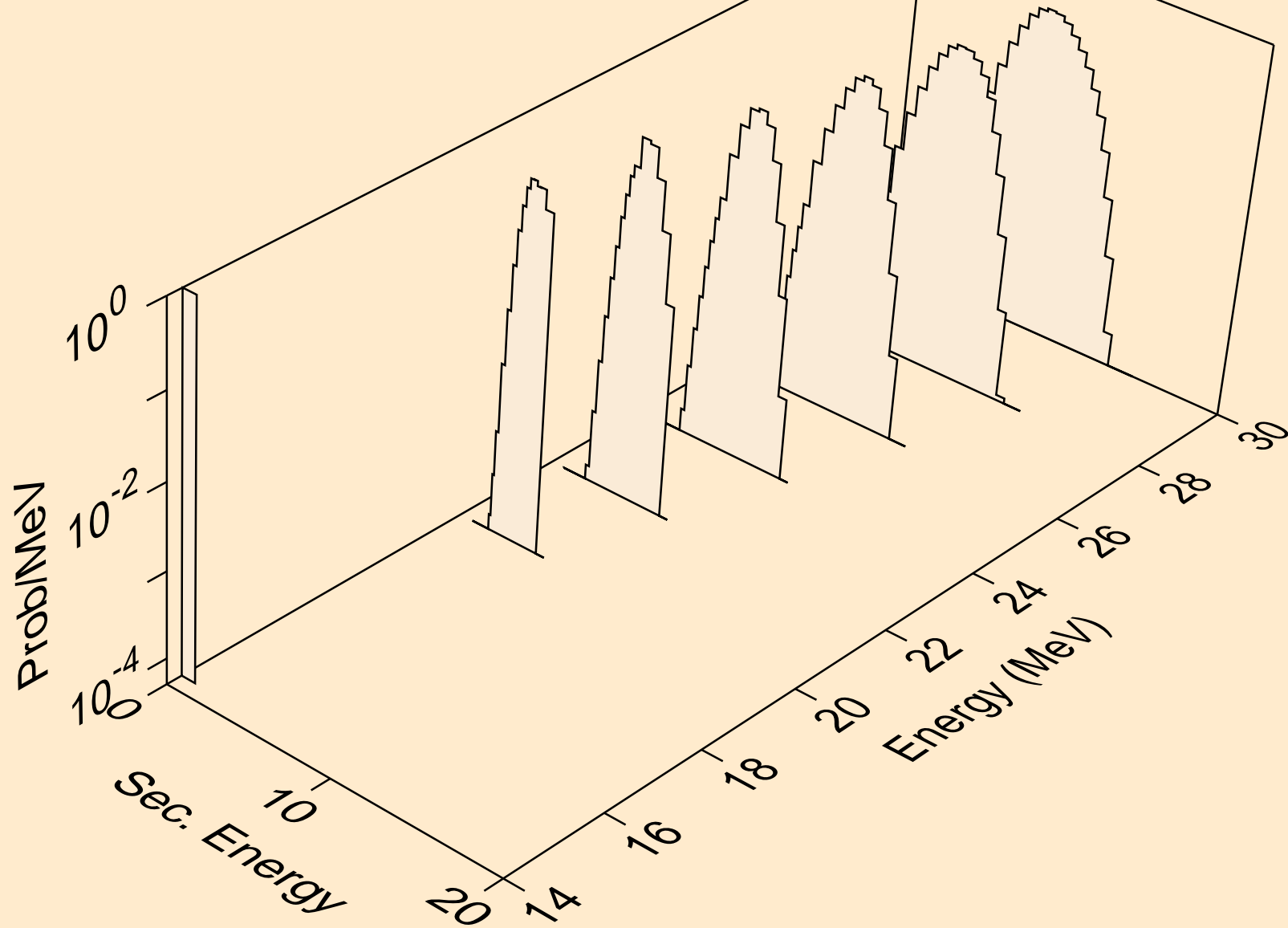
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deuterons from (n,n\*)d



BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,d)

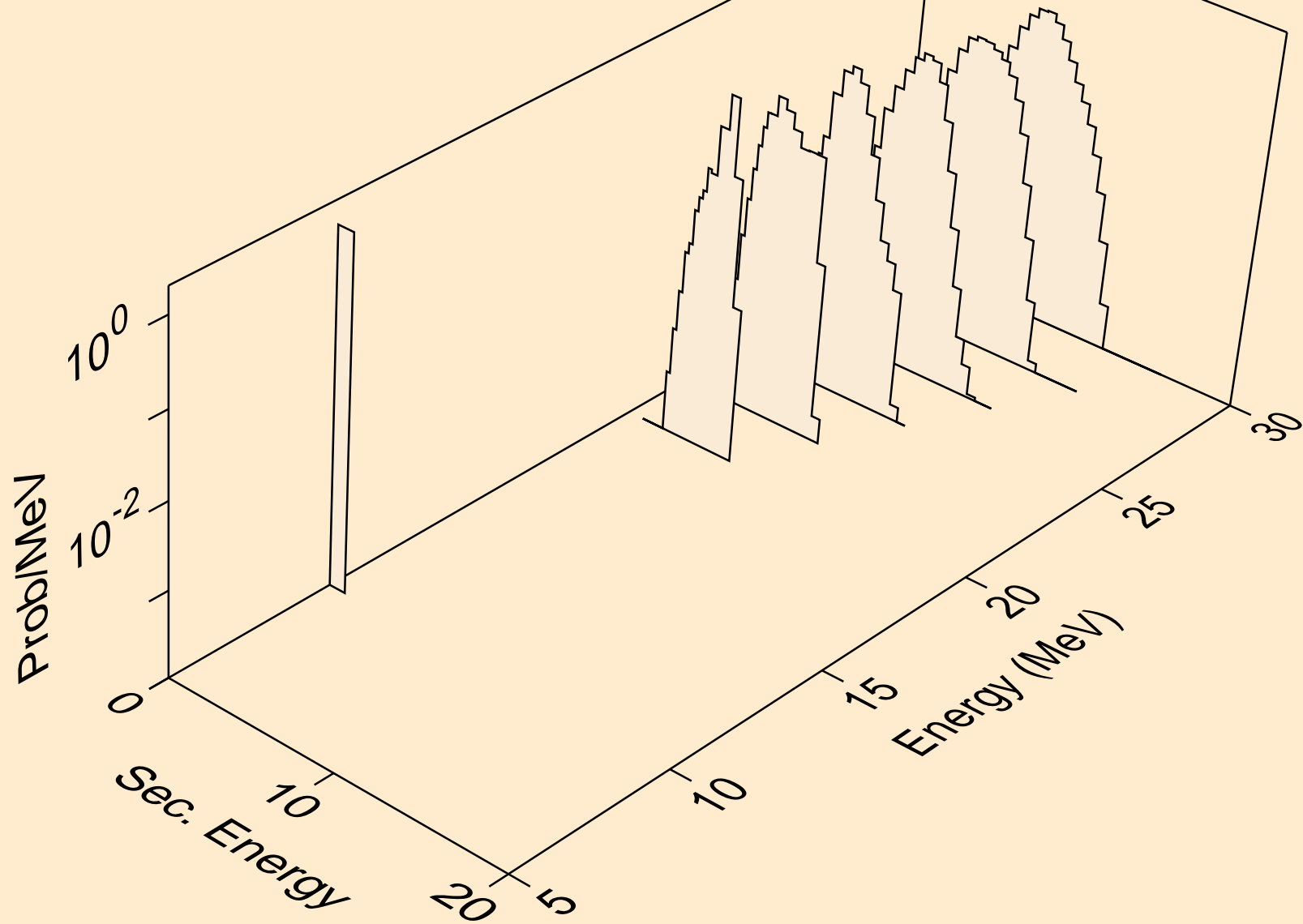


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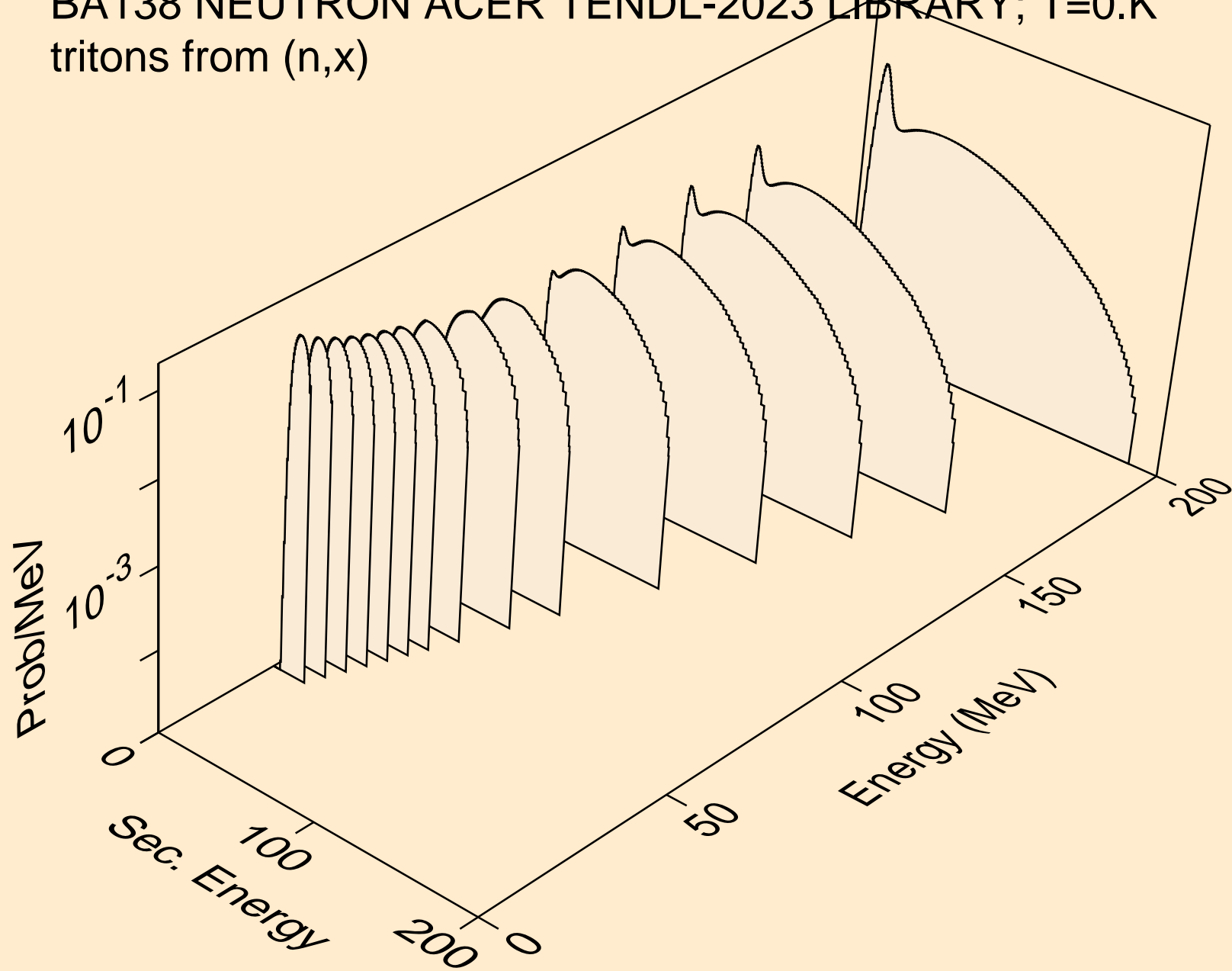




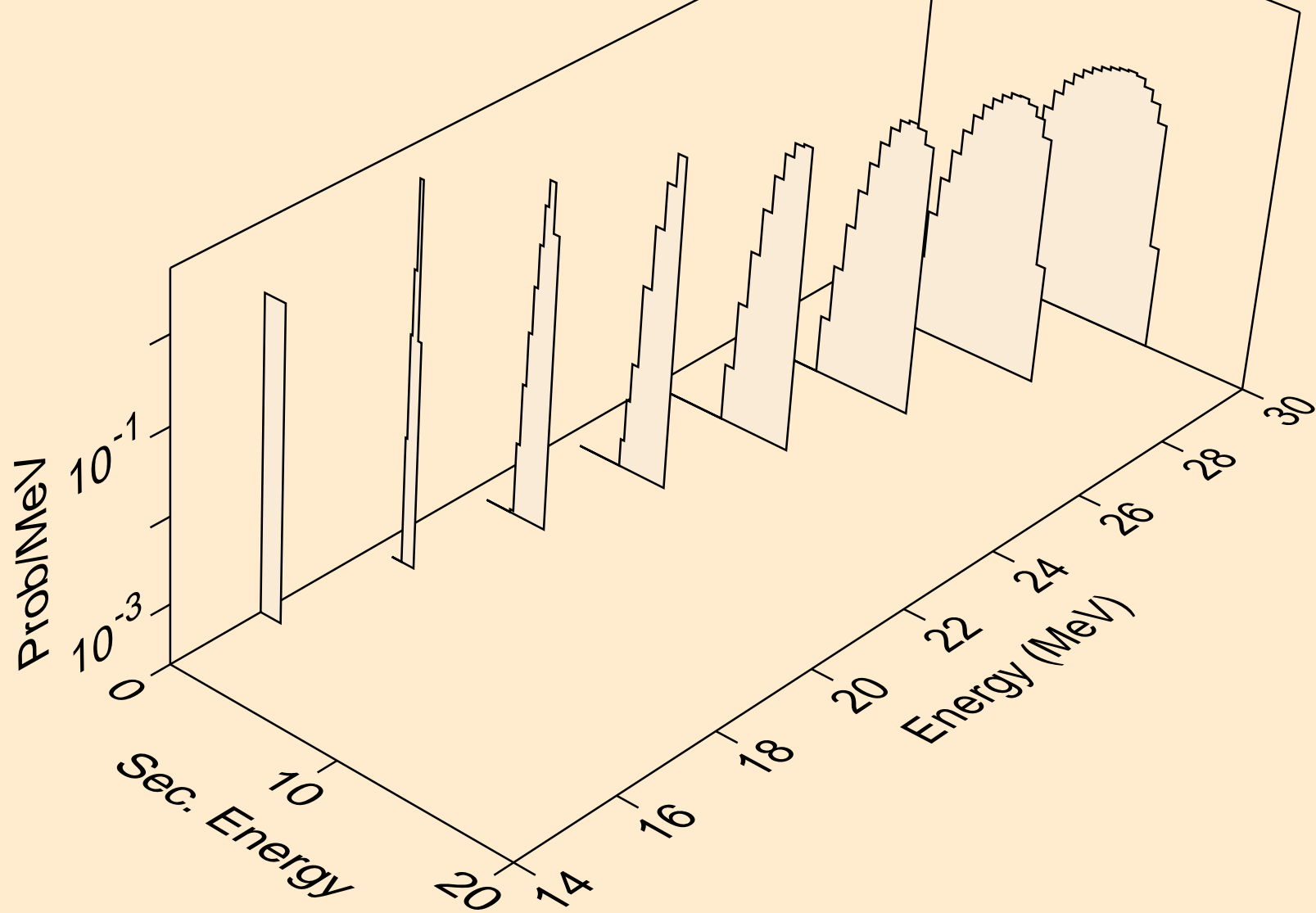
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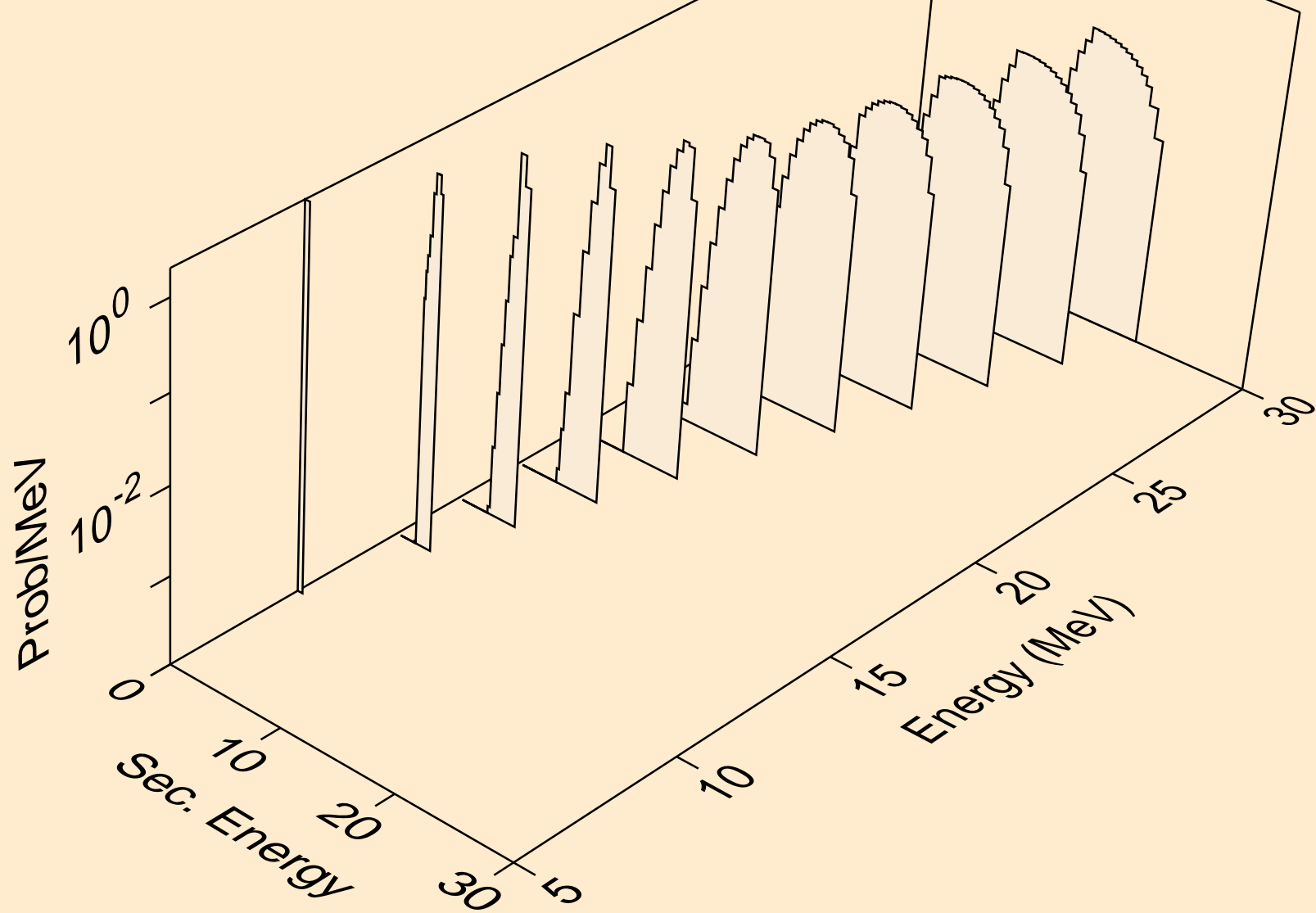
BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,x)



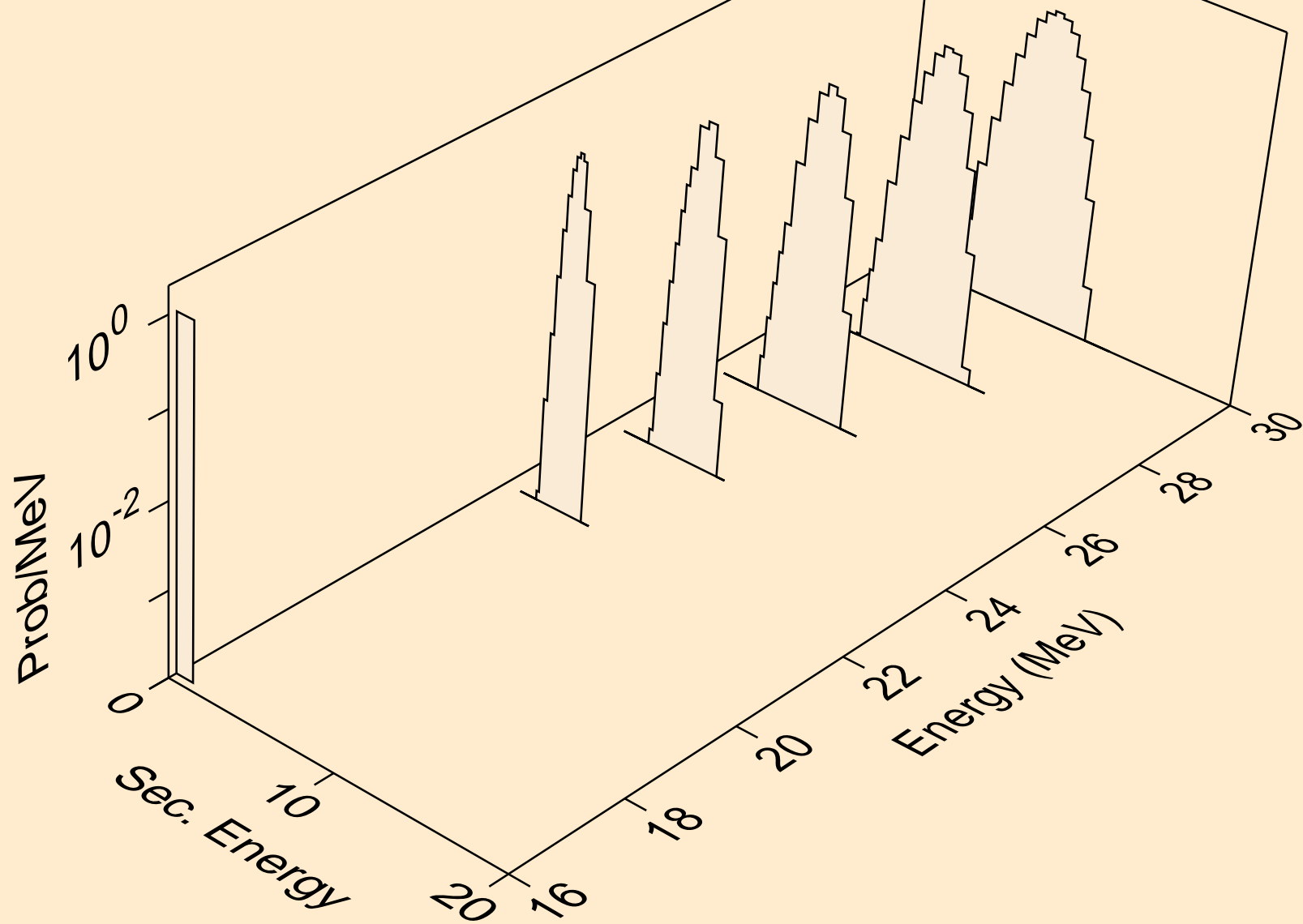
BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,n\*)t



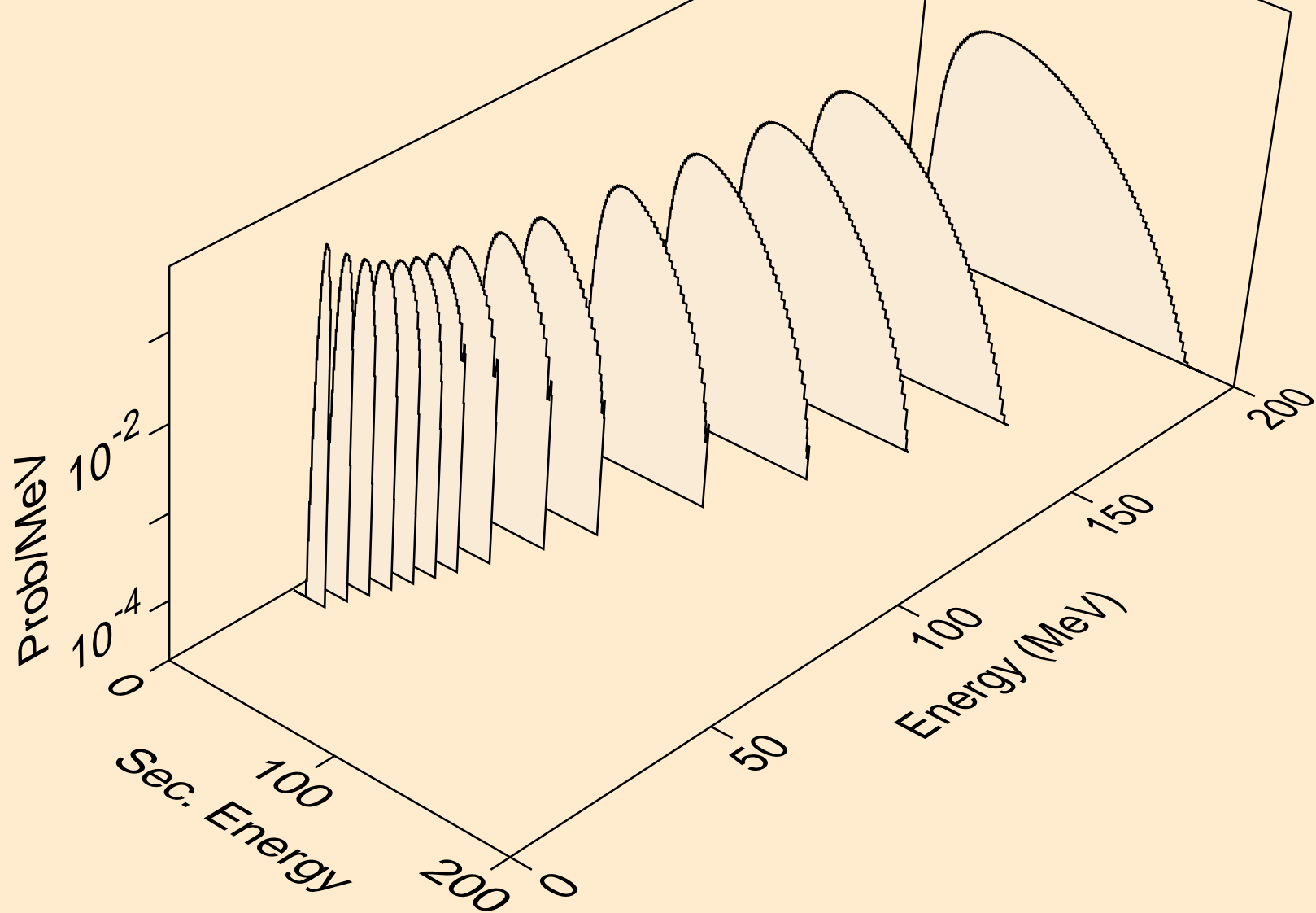
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tritons from (n,t)



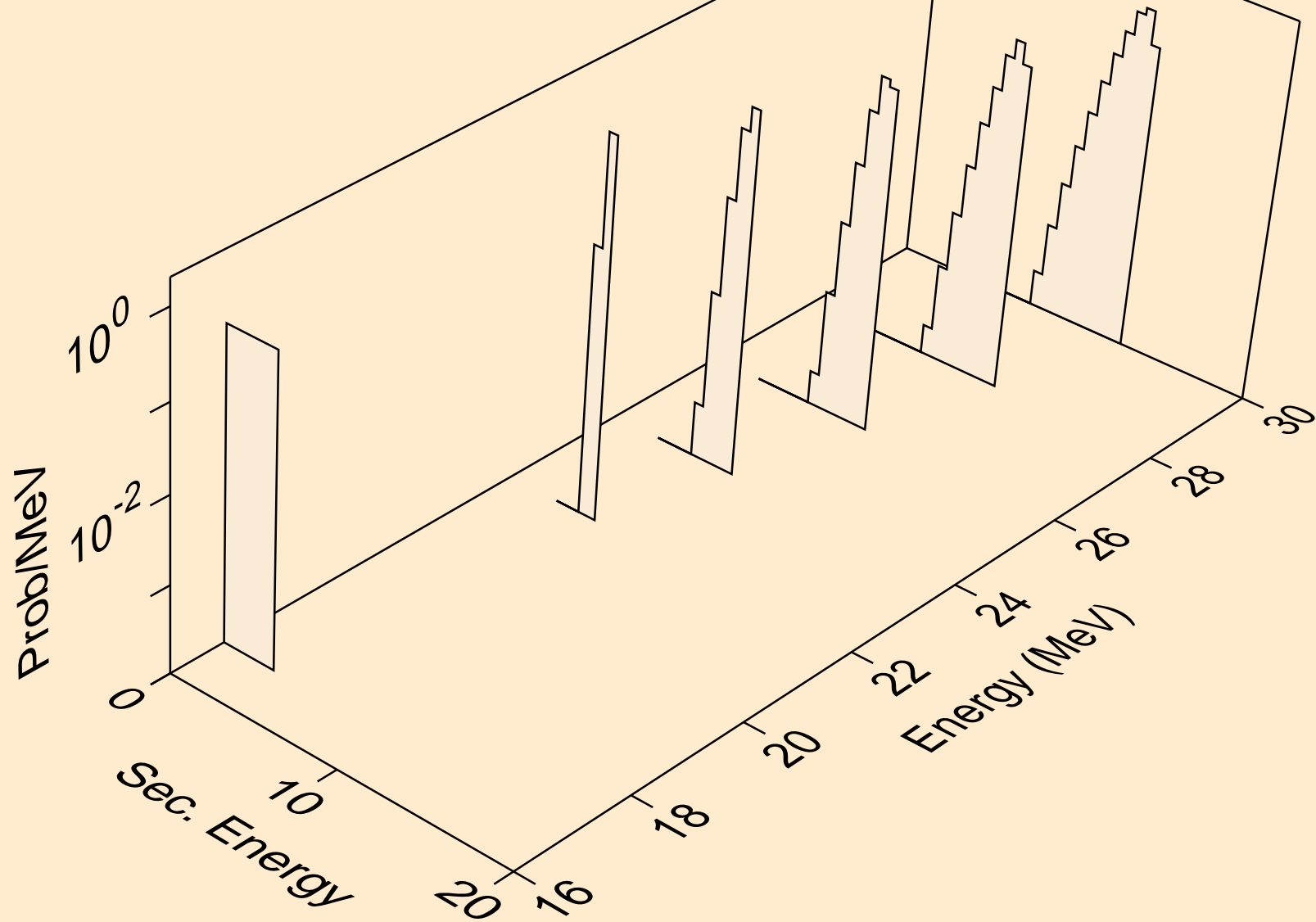
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tritons from (n,pt)



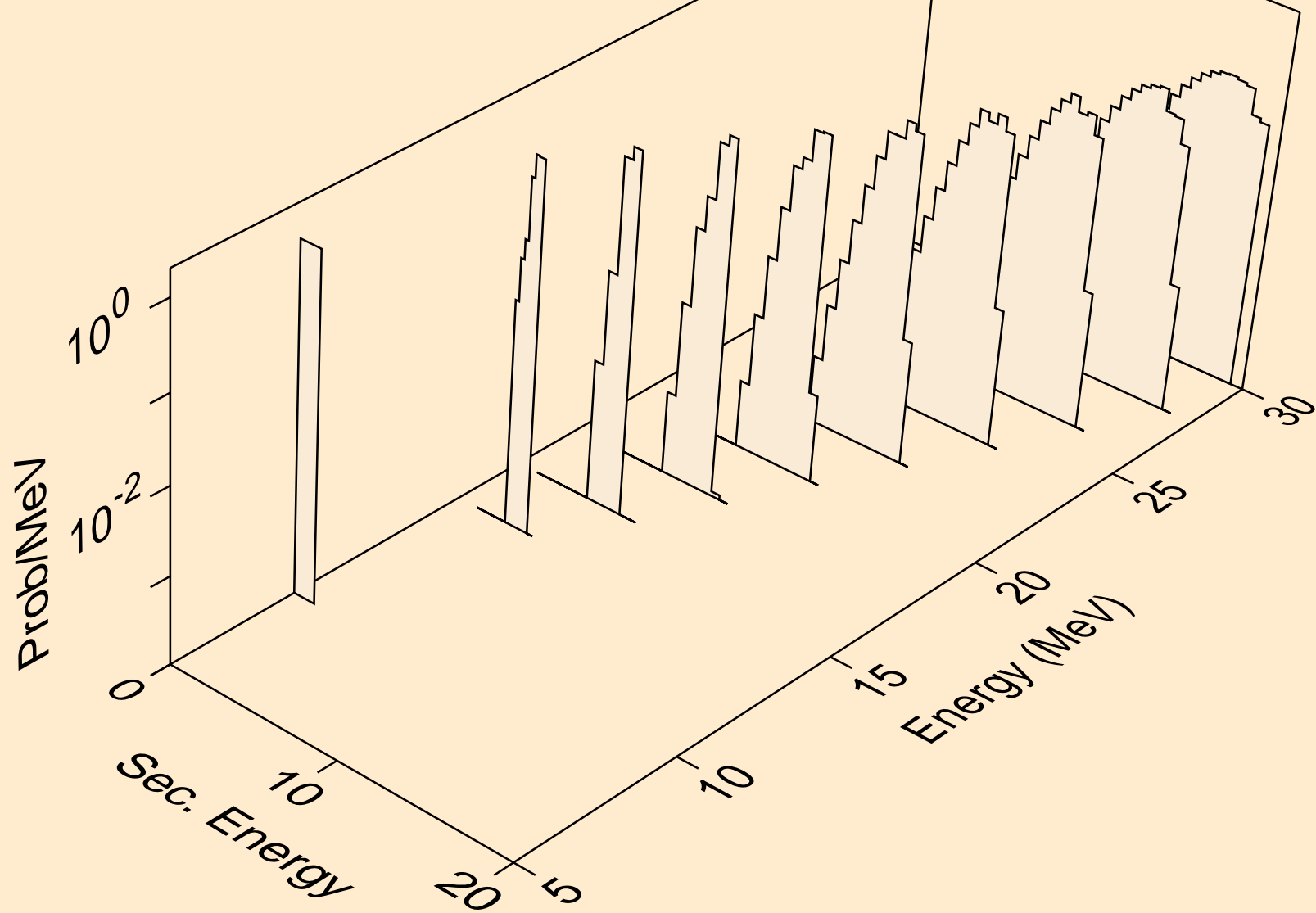
BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,x)



BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,n\*)he3

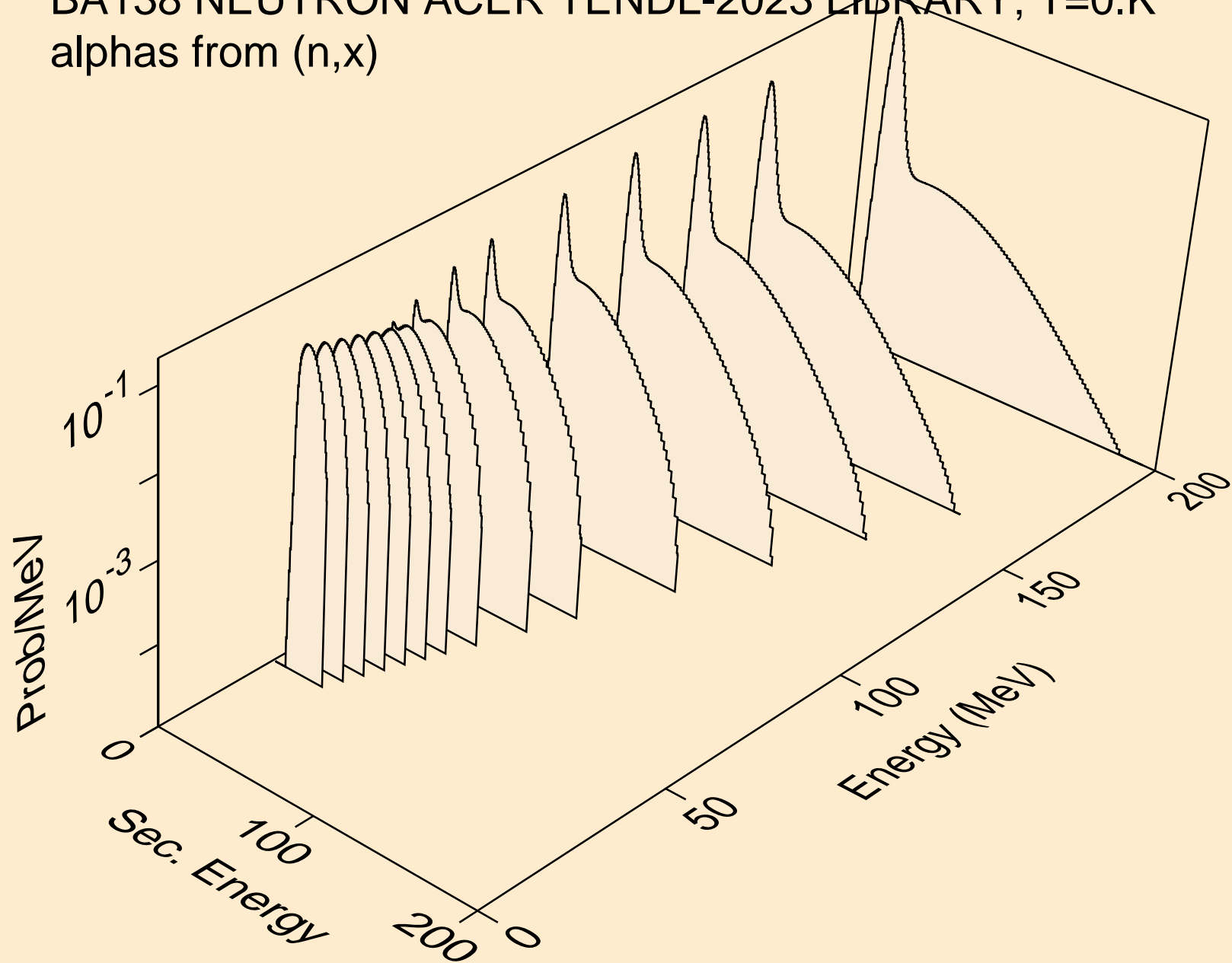


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he3s from (n,he3)

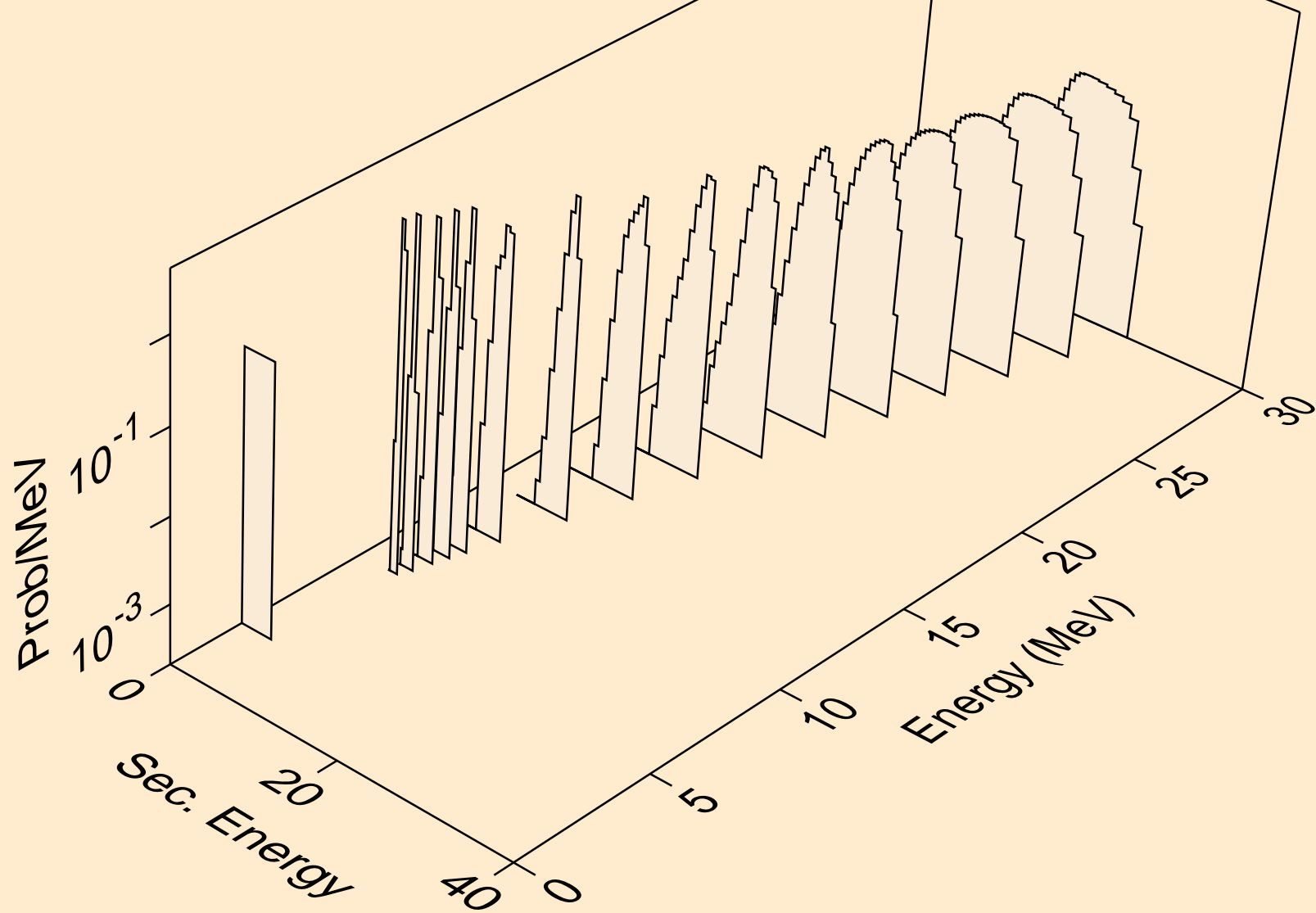




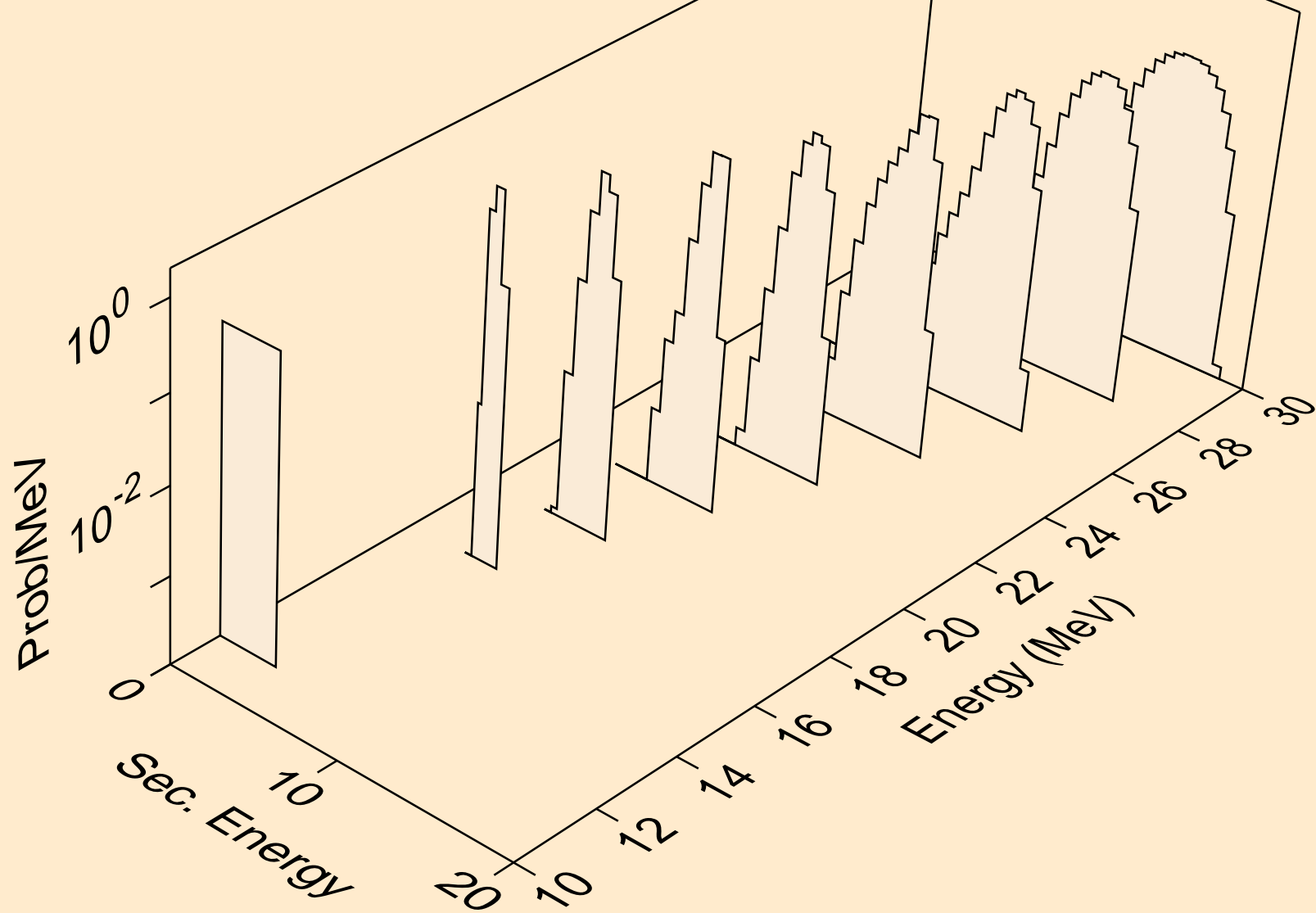
BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,x)



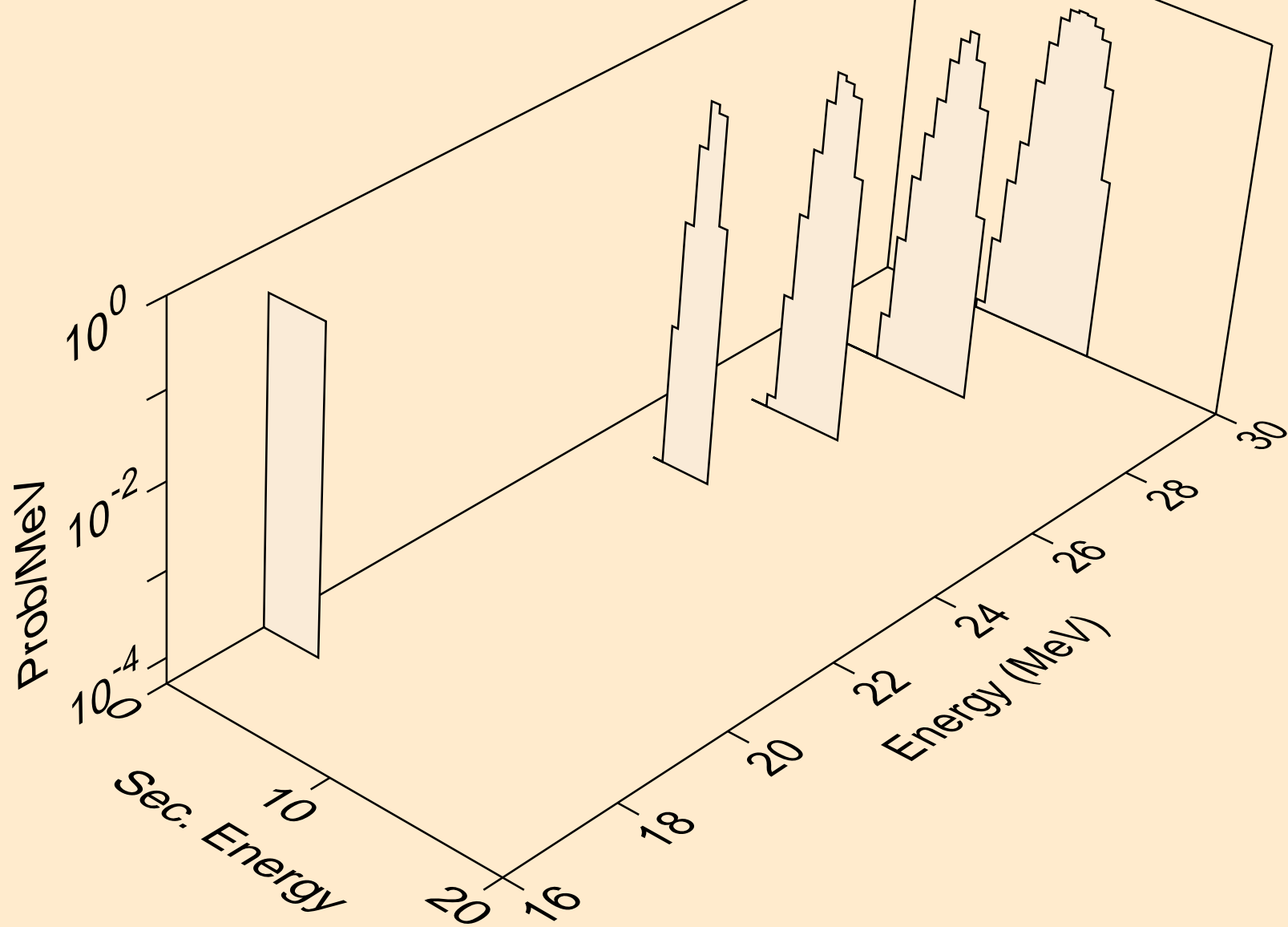
BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)a



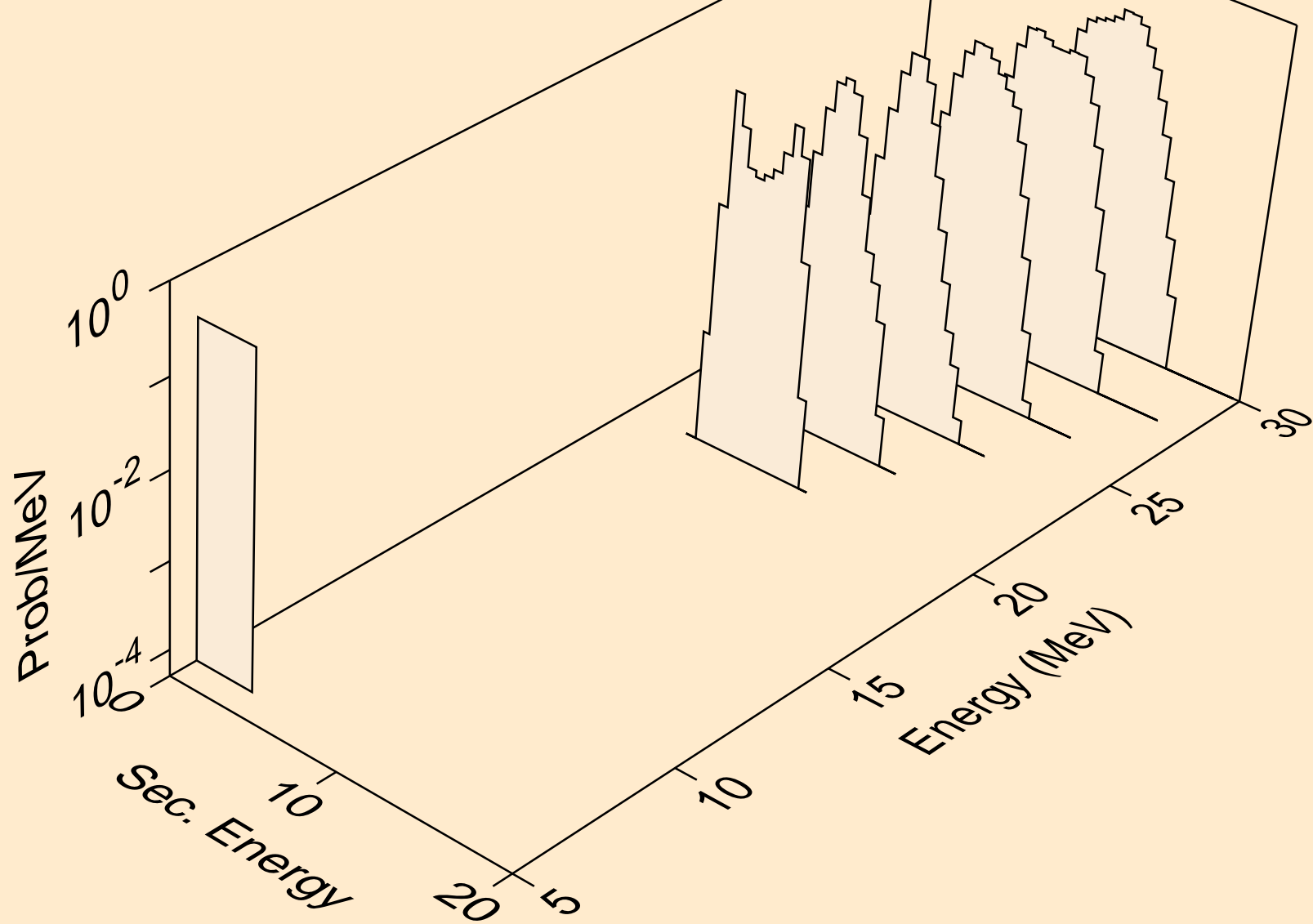
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alphas from (n,2n)a



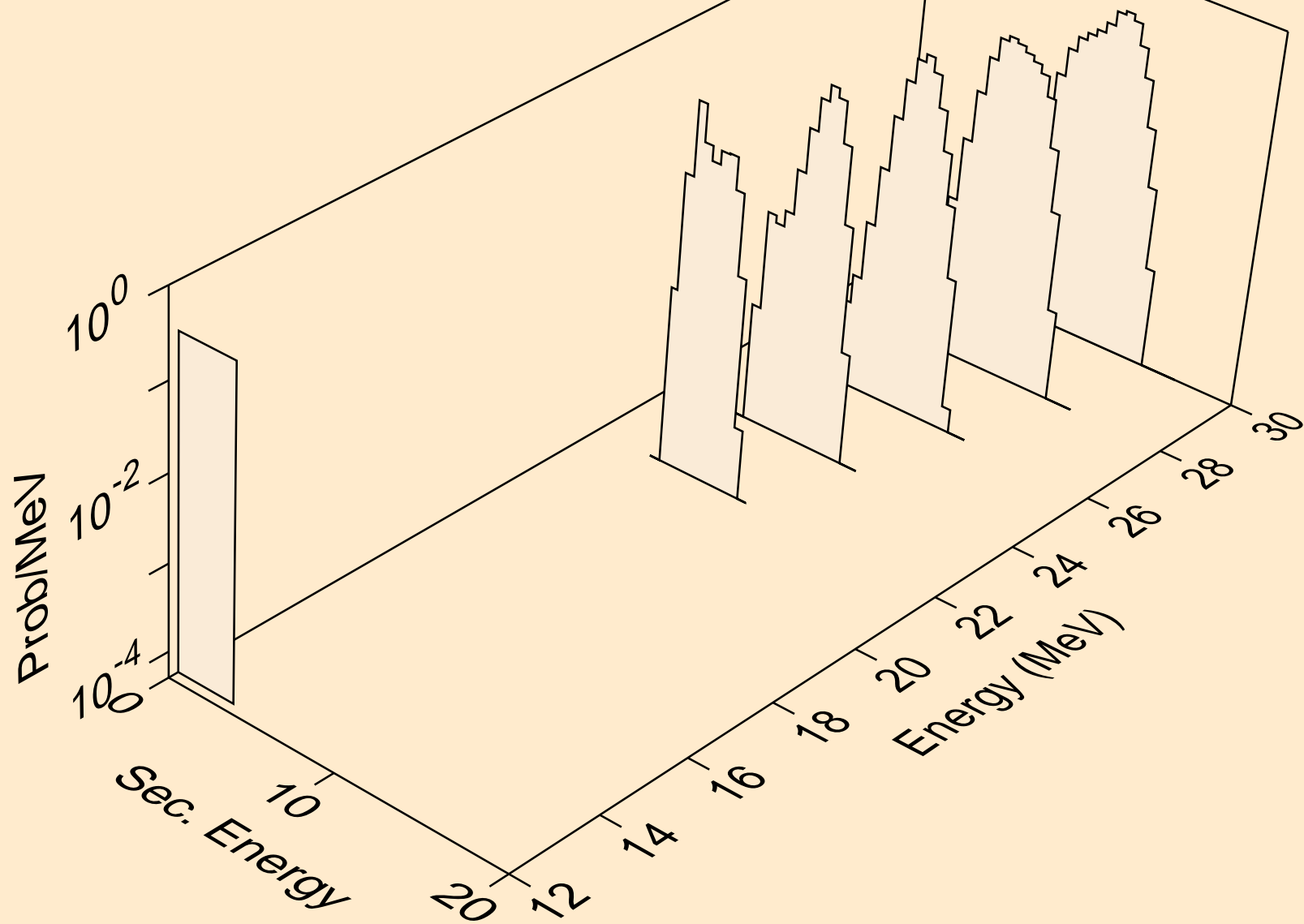
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alphas from (n,3n)a



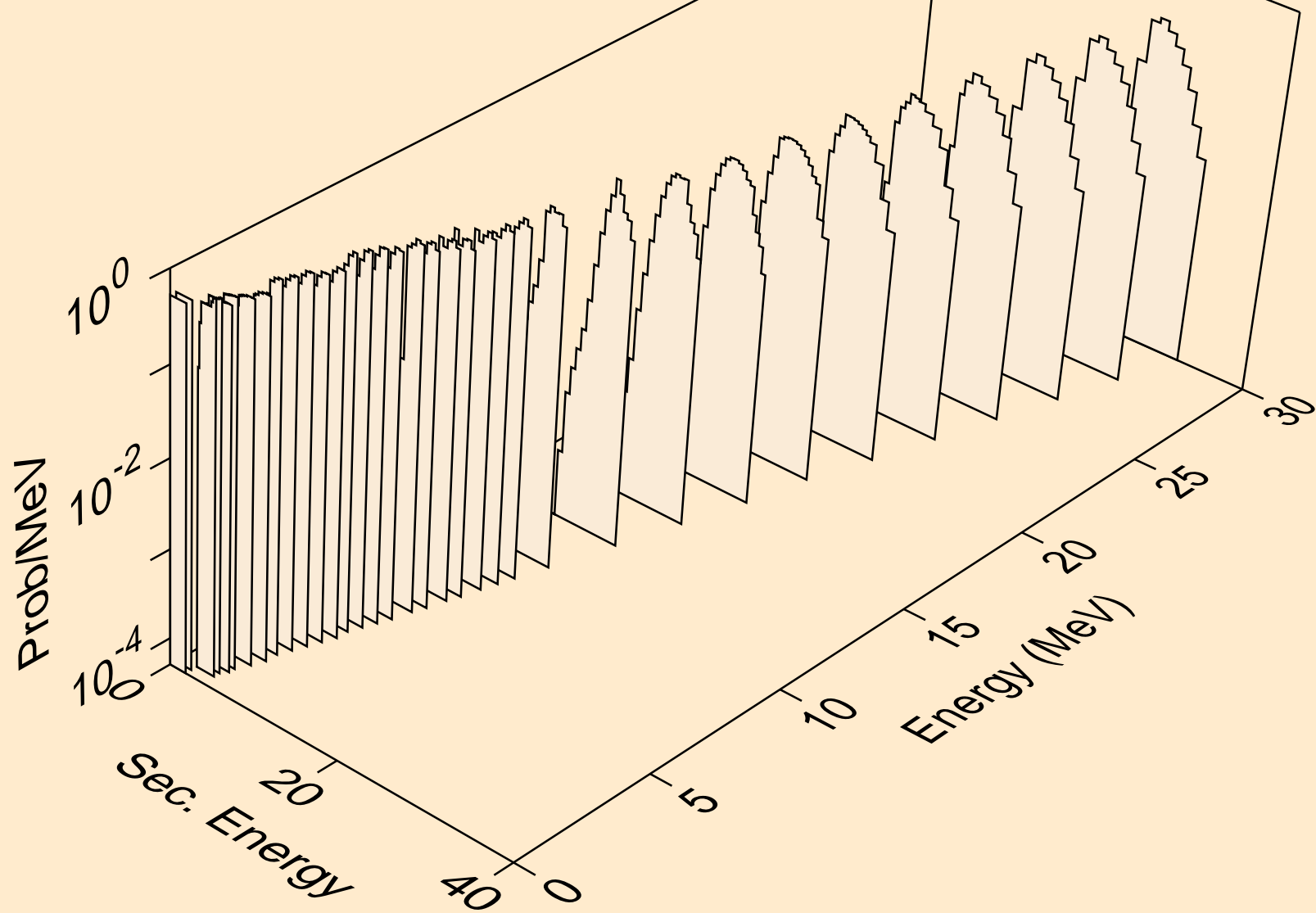
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alphas from (n,n\*)2a



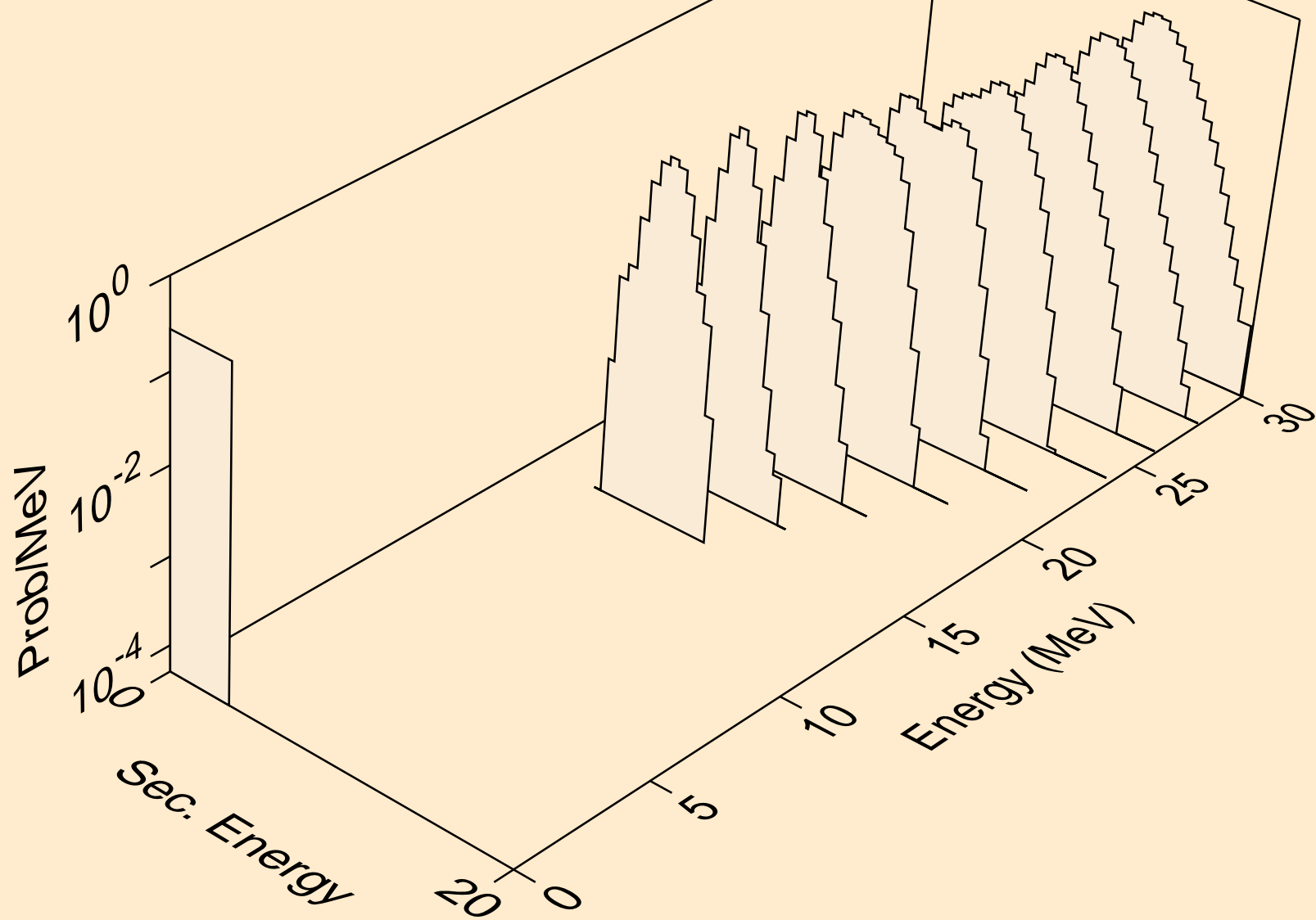
BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,npa)



BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,a)

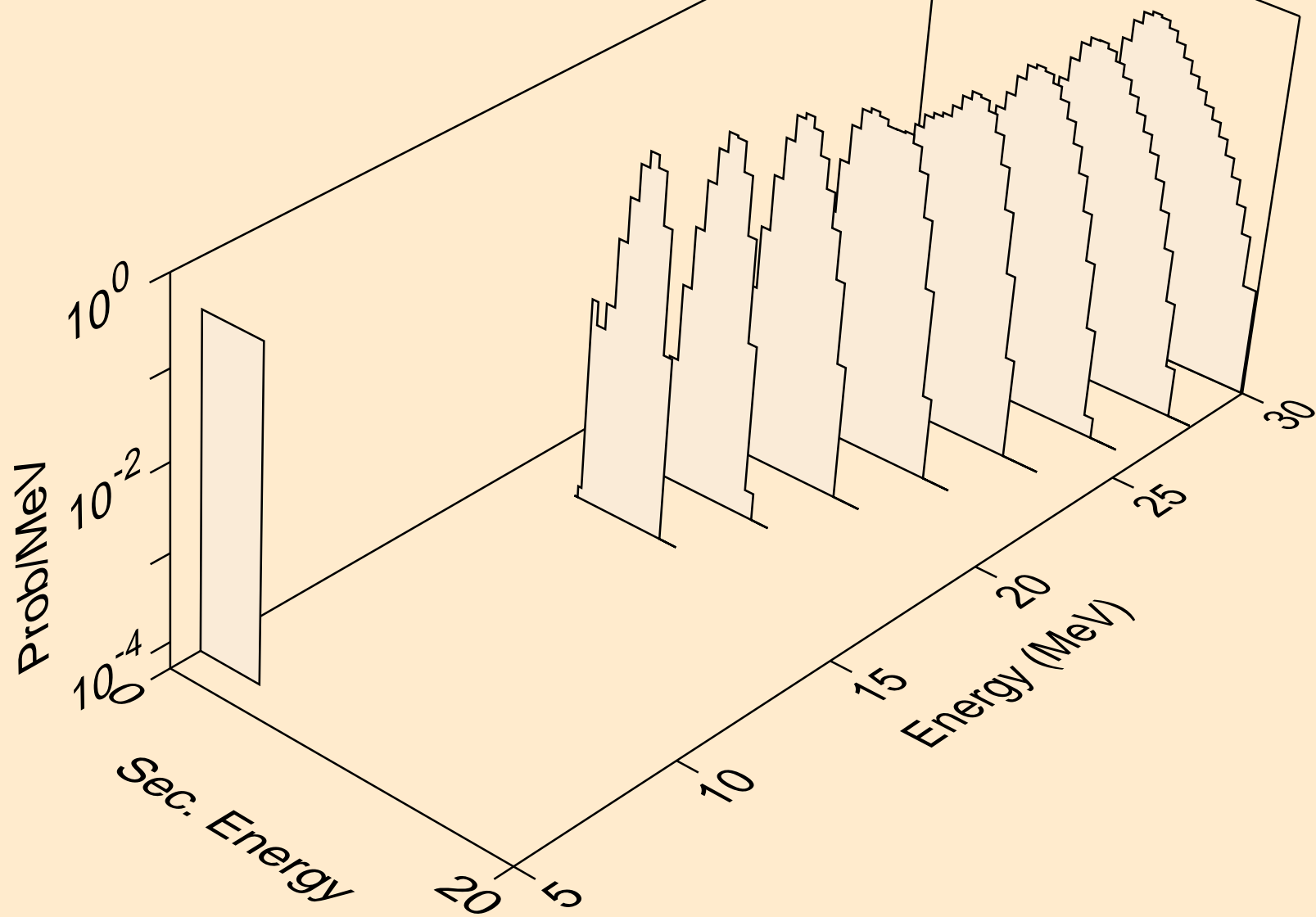


BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2a)





BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,pa)



BA138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,da)

