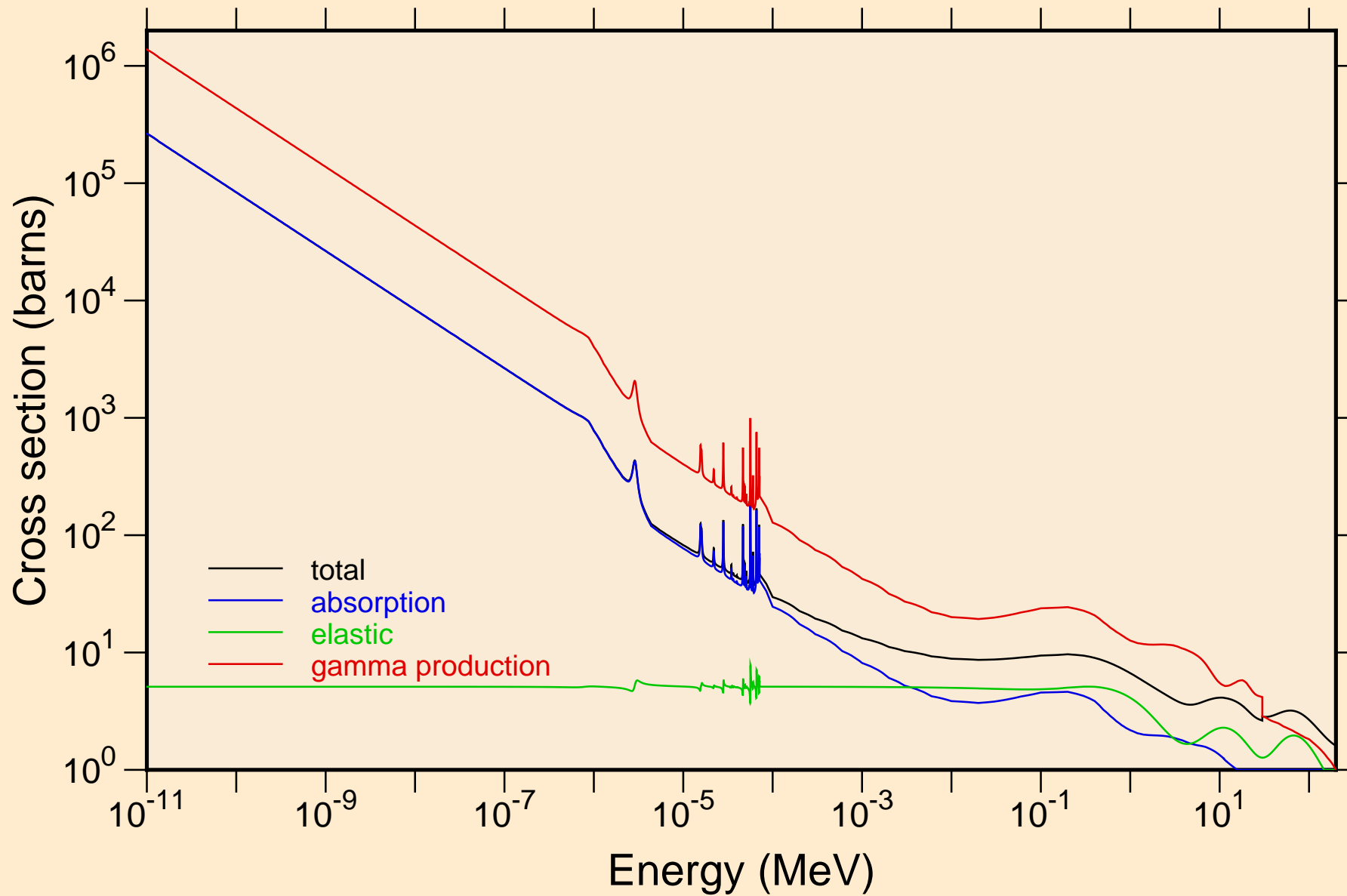
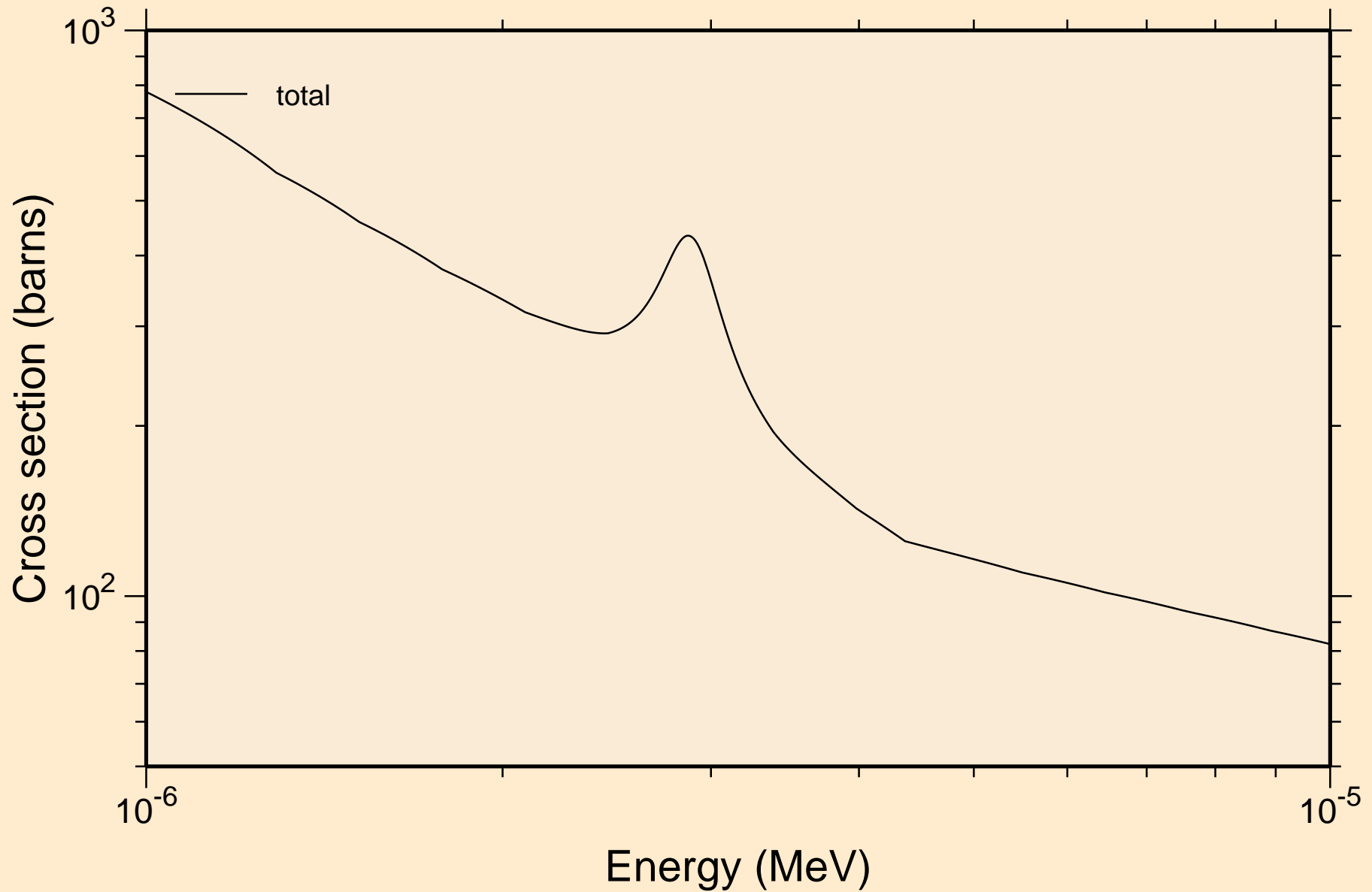


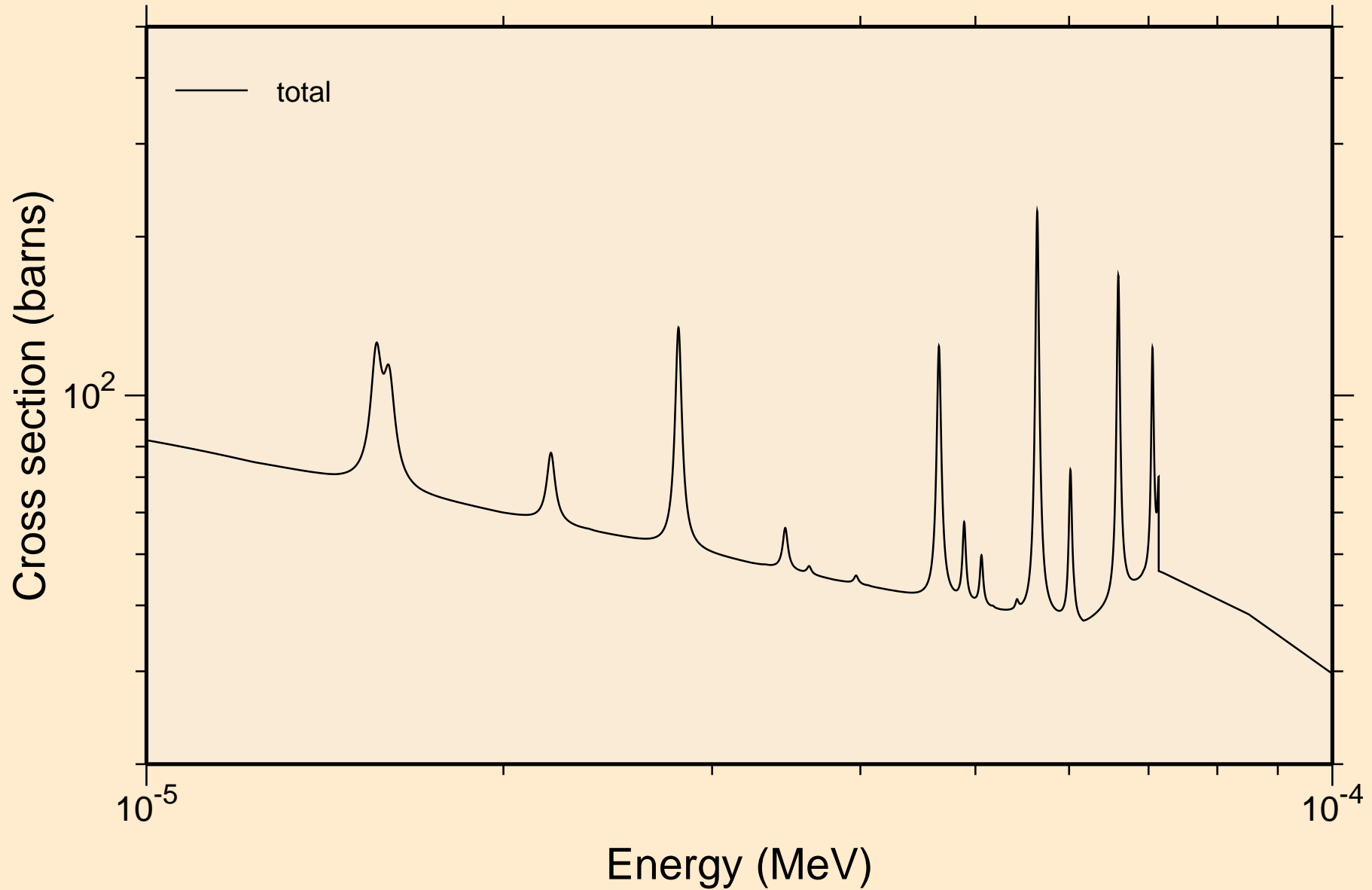
TC090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Principal cross sections



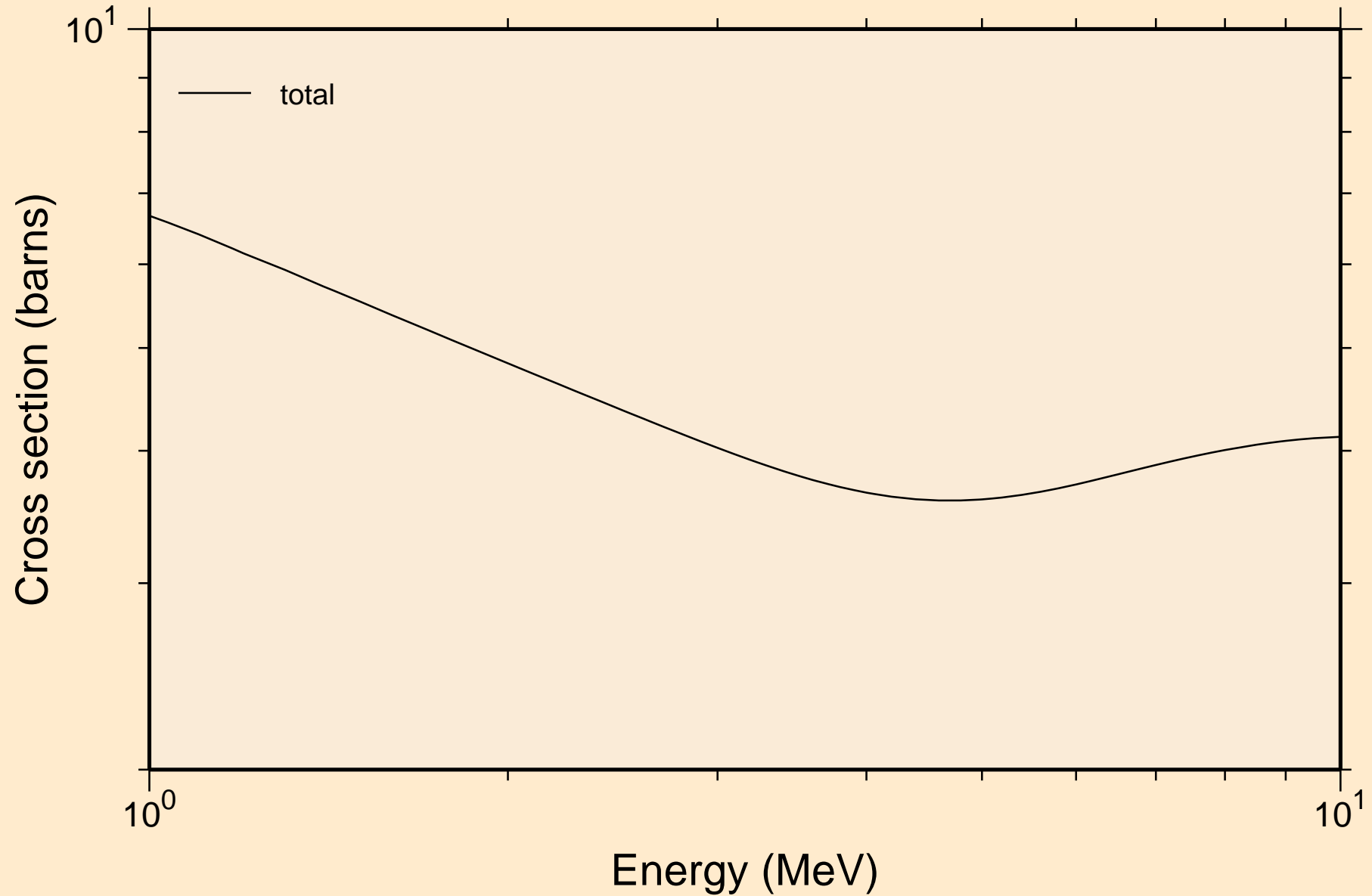
TC090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



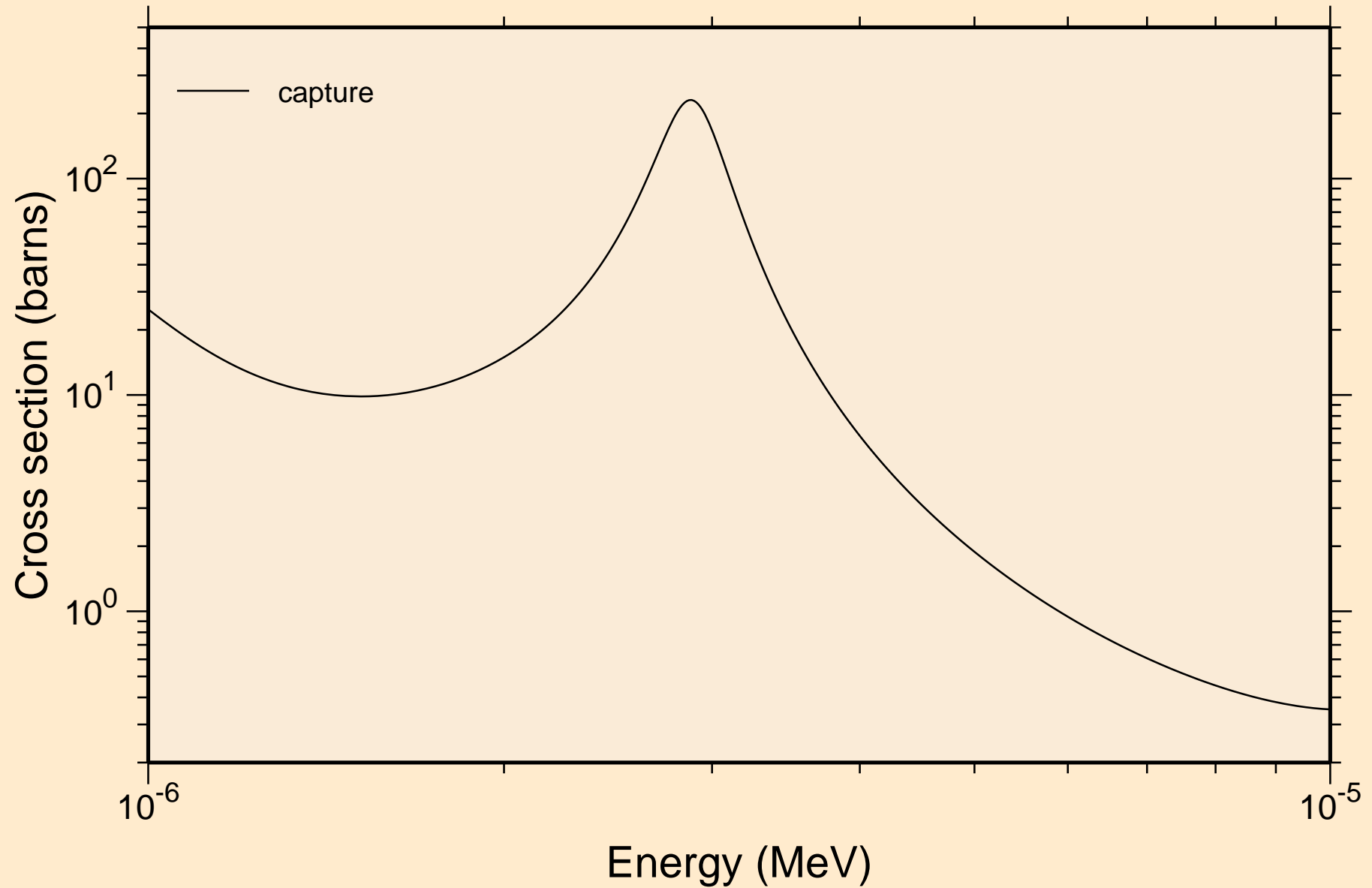
TC090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



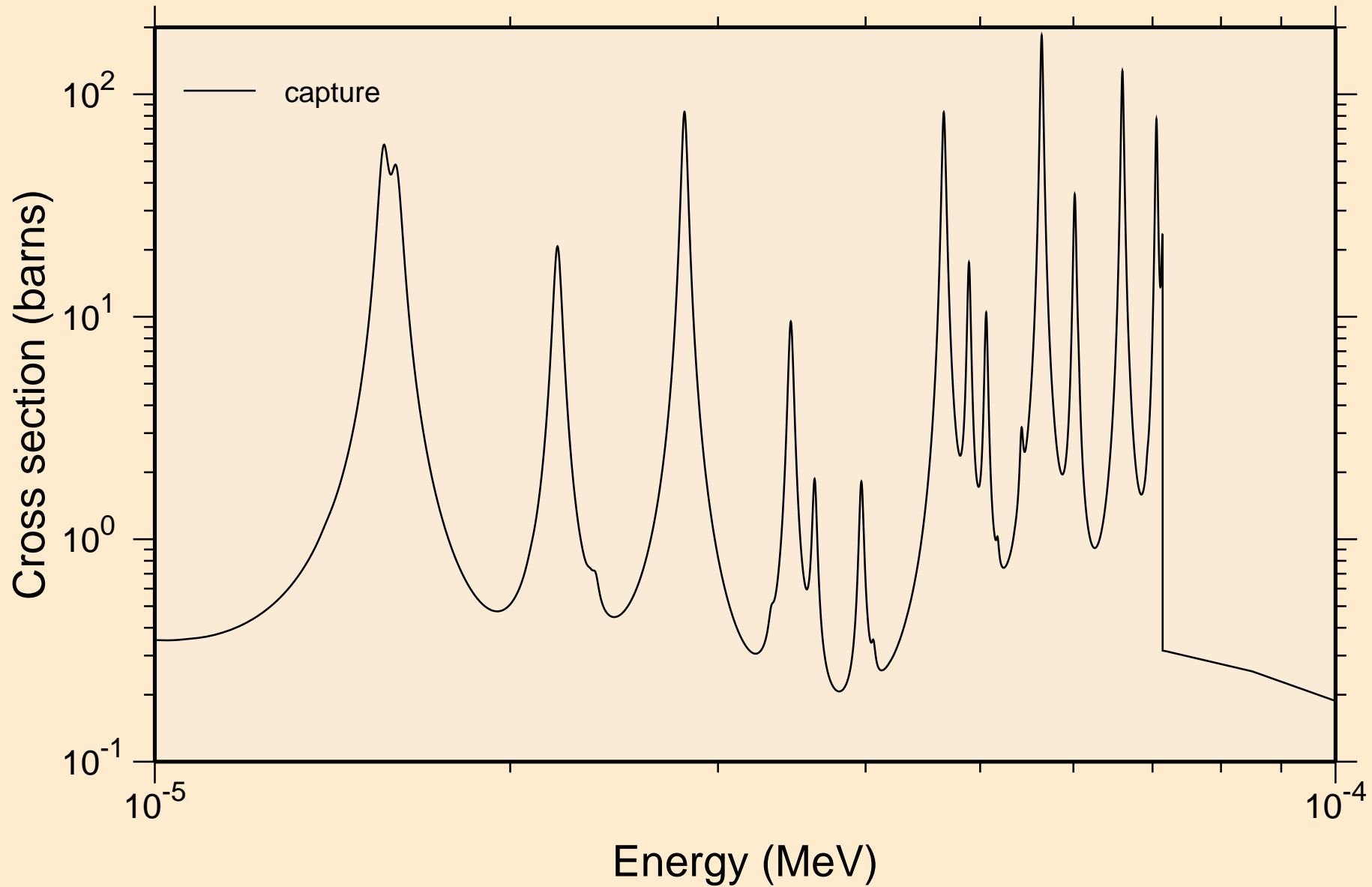
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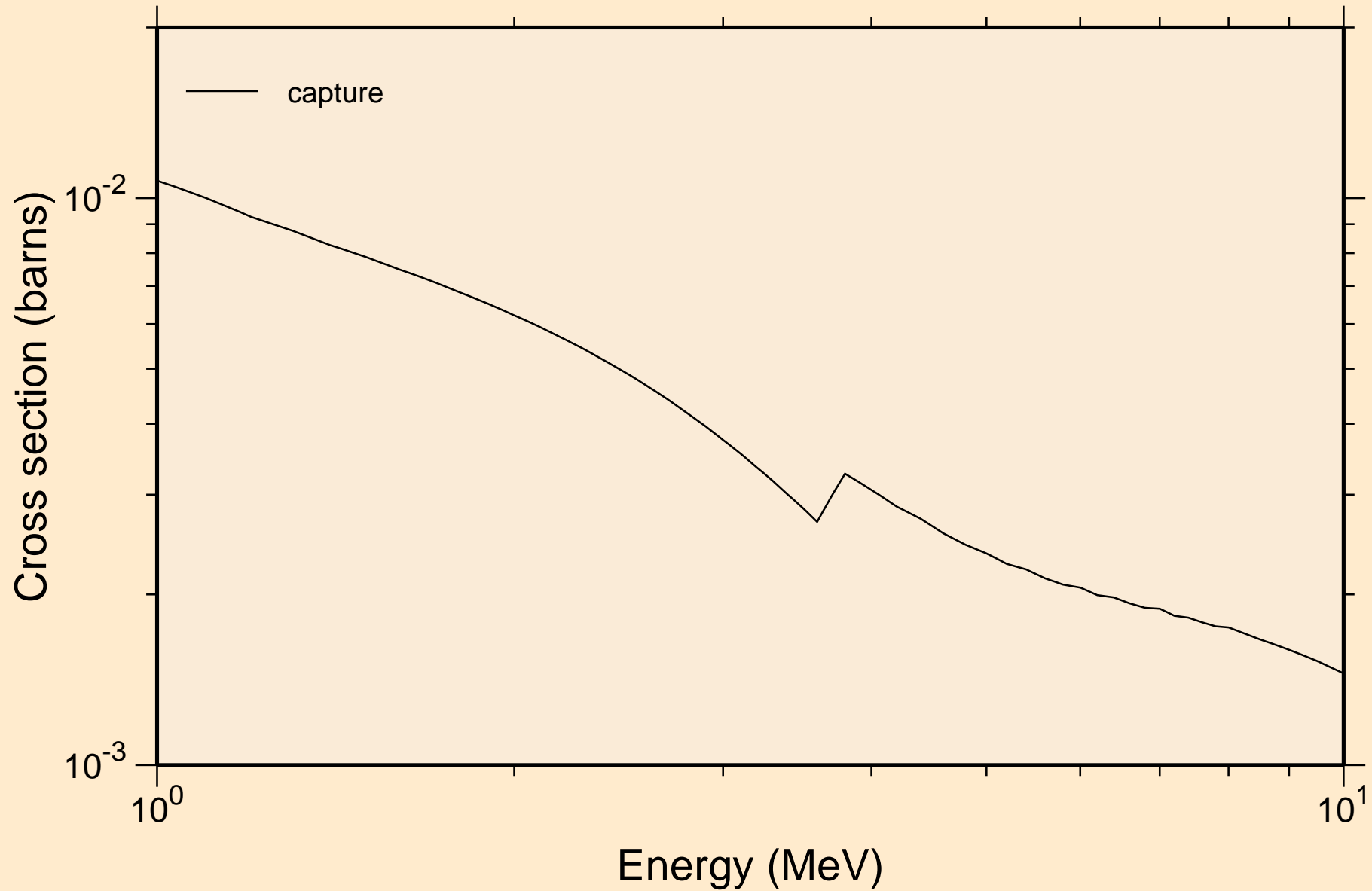
TC090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



TC090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

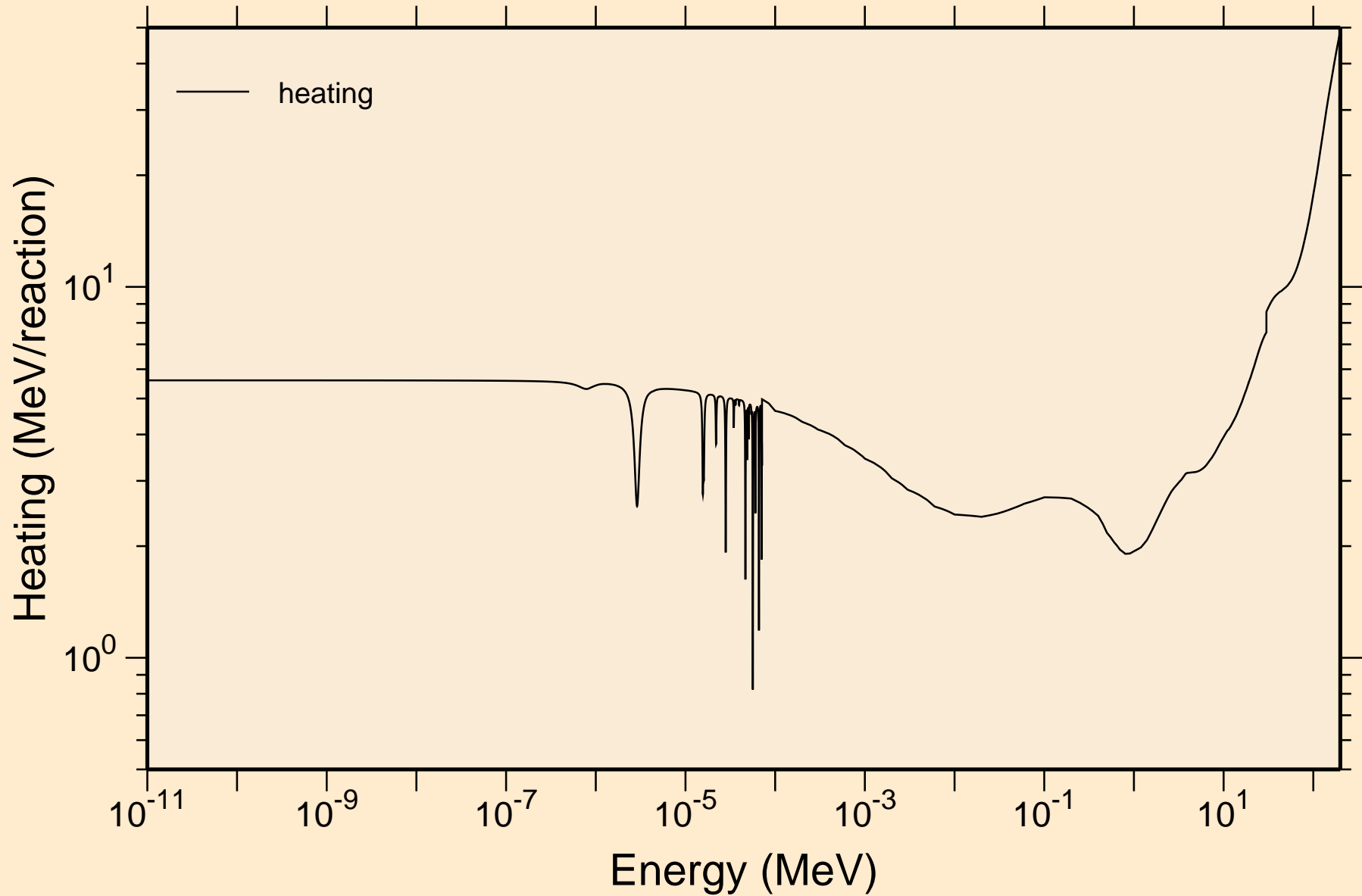


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resonance absorption cross sections



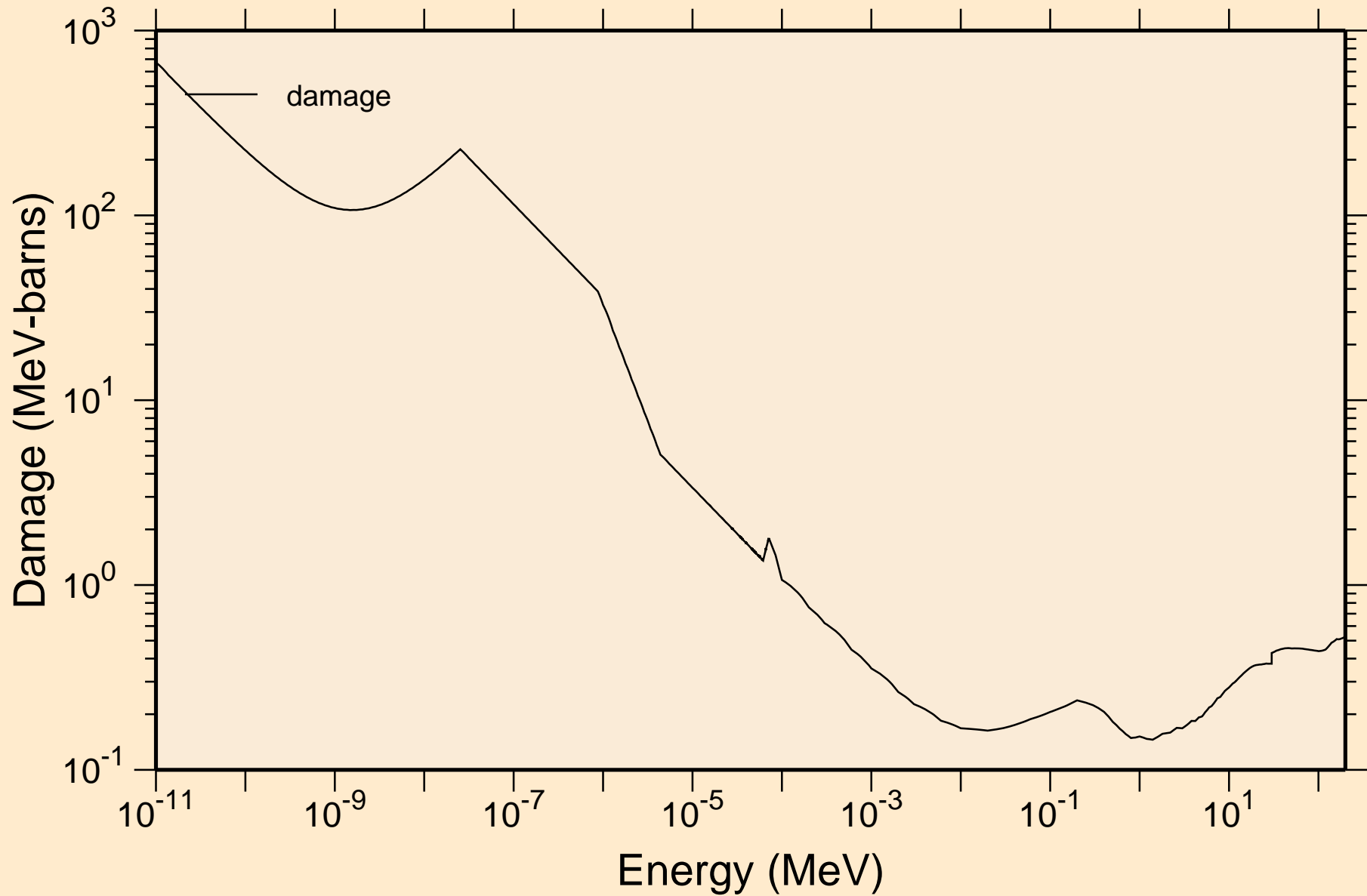
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## Heating

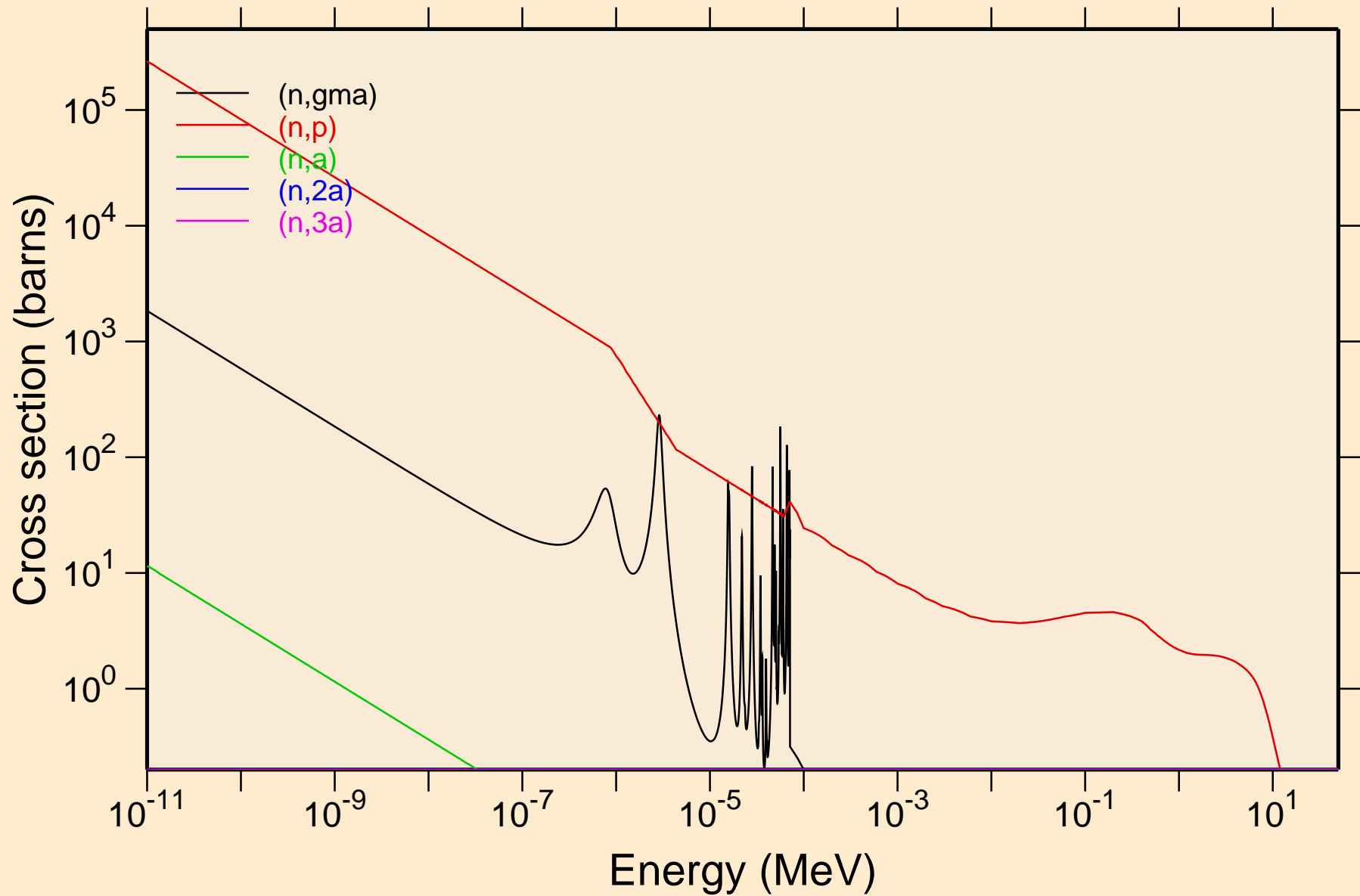




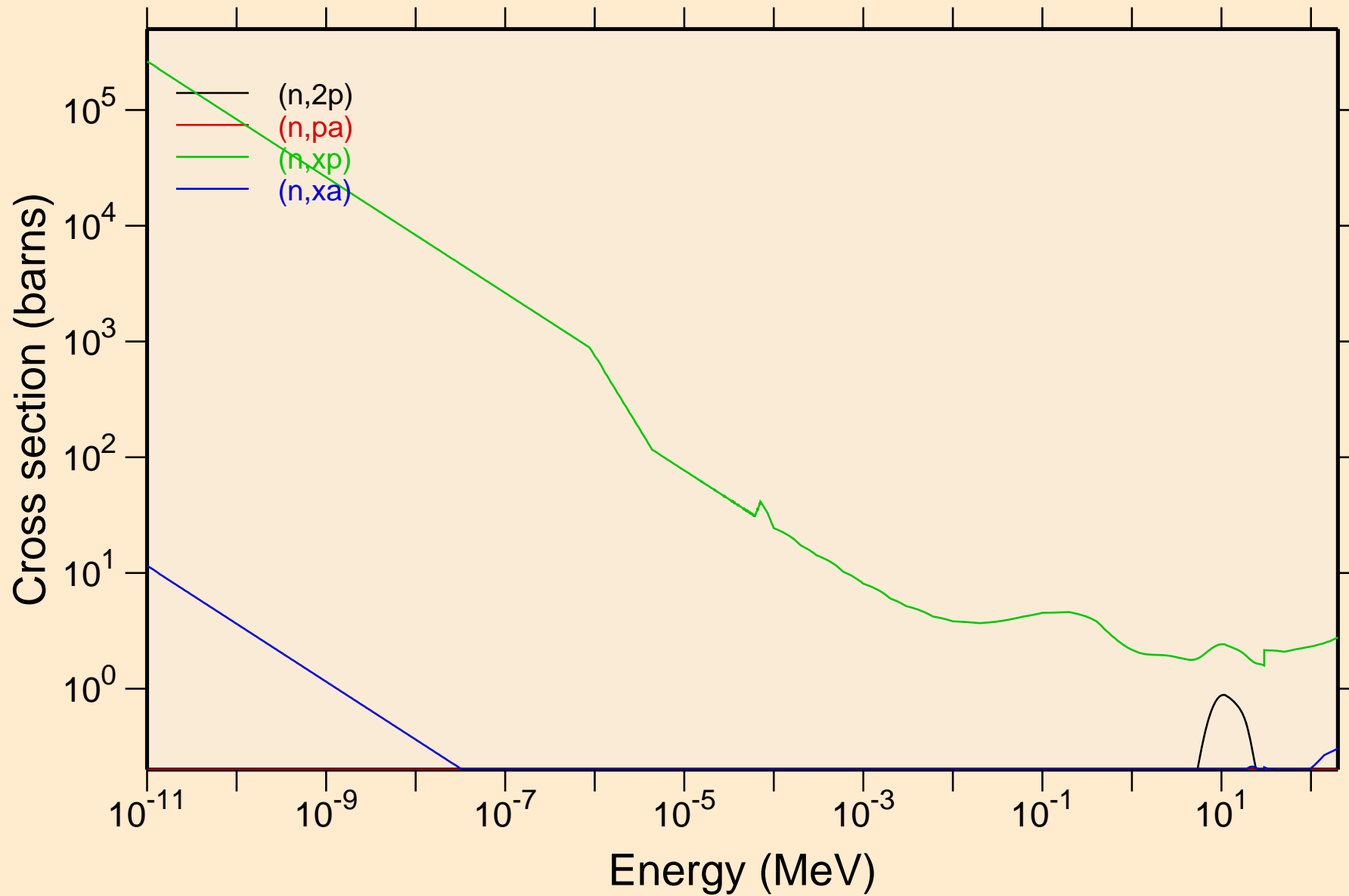
TC090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Damage



TC090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

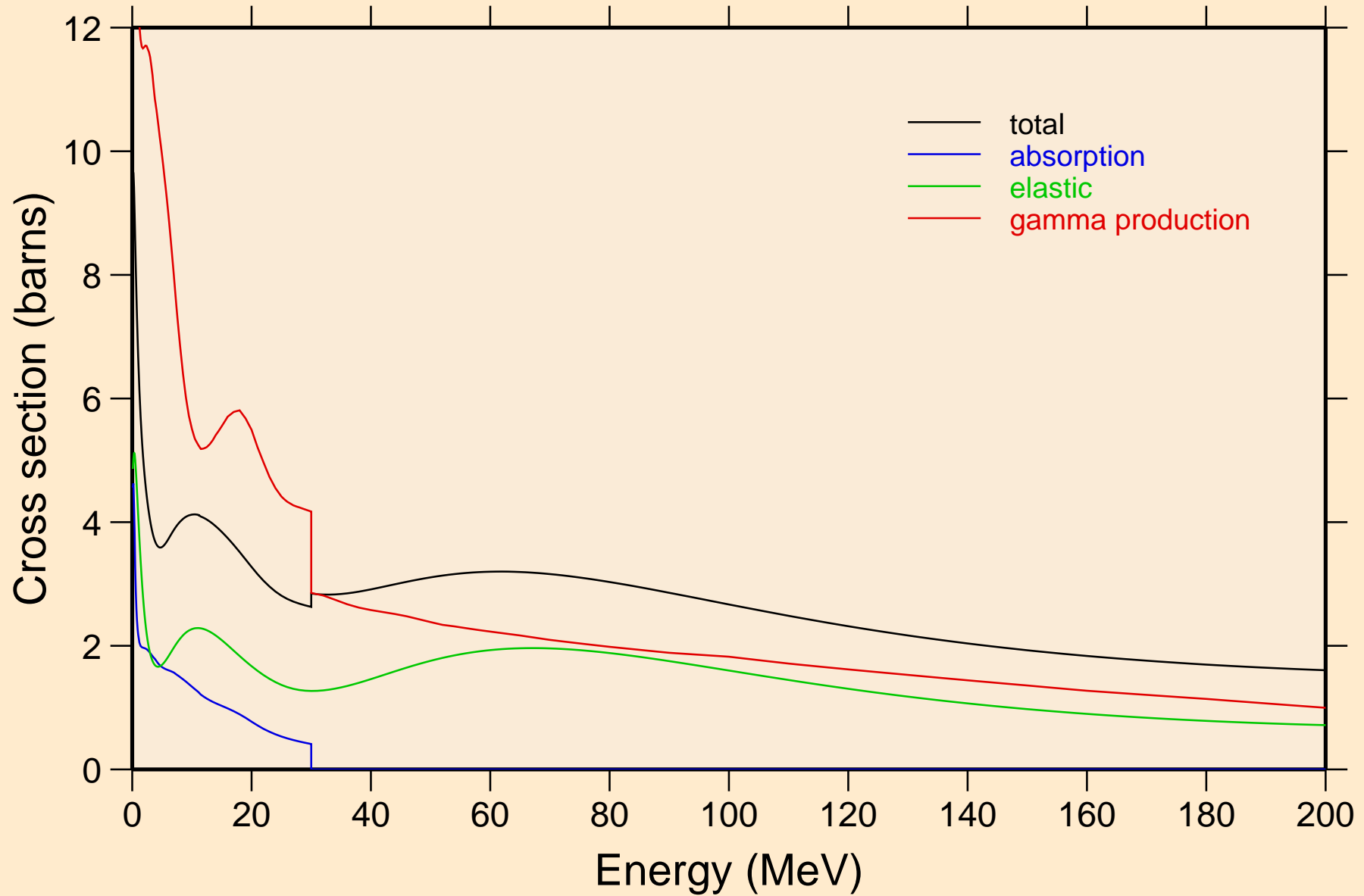


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Non-threshold reactions



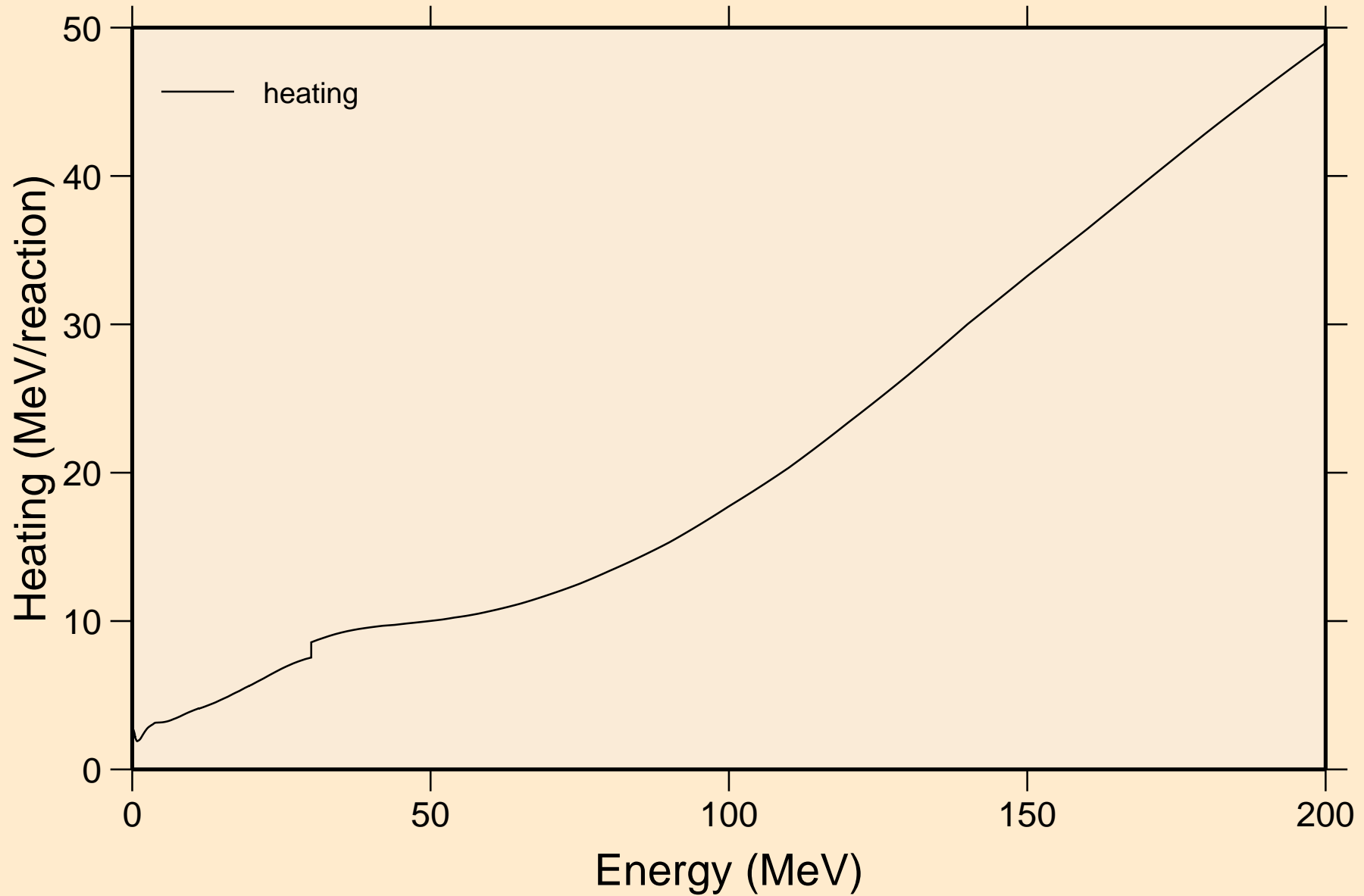
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## Principal cross sections

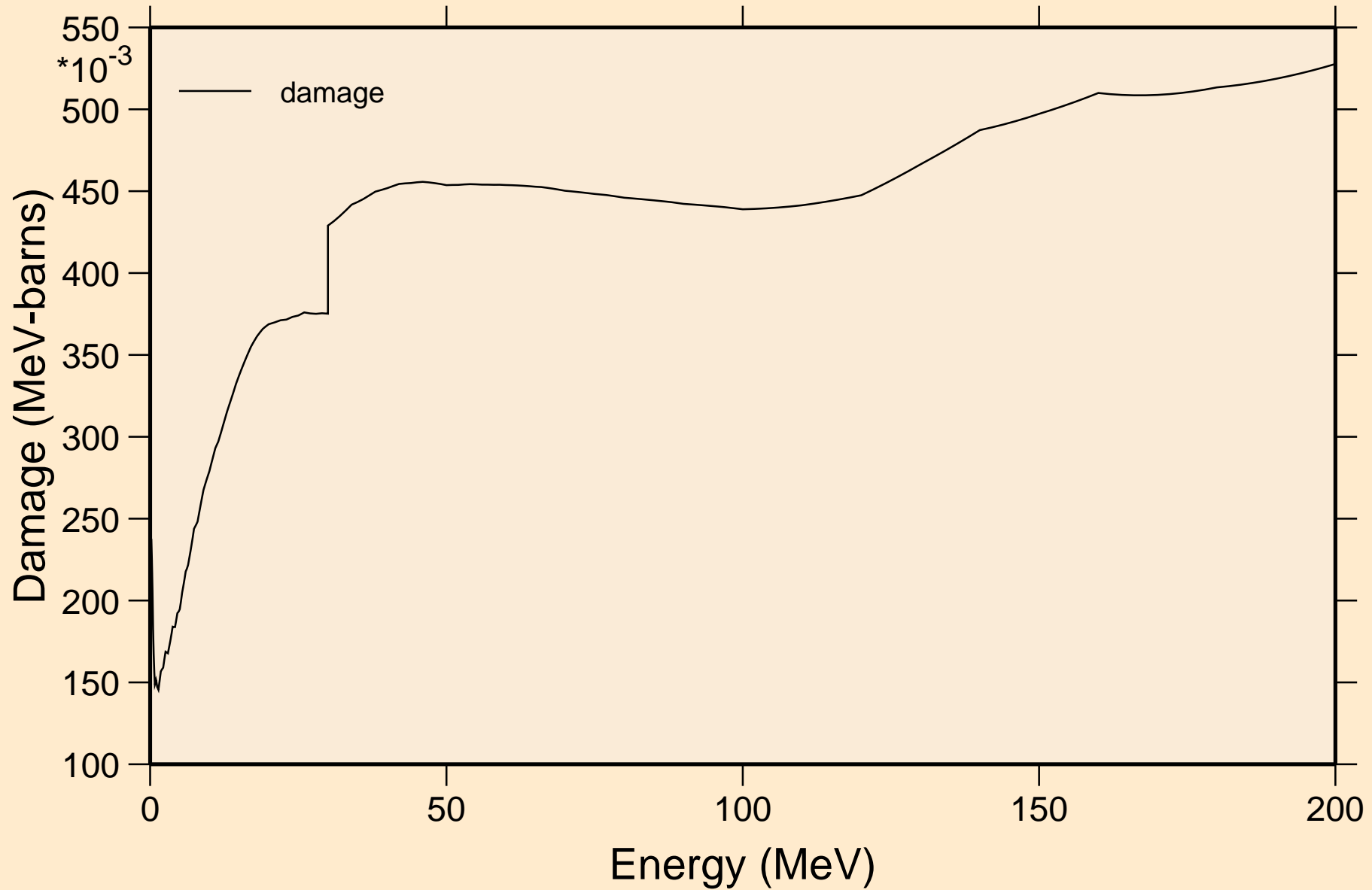


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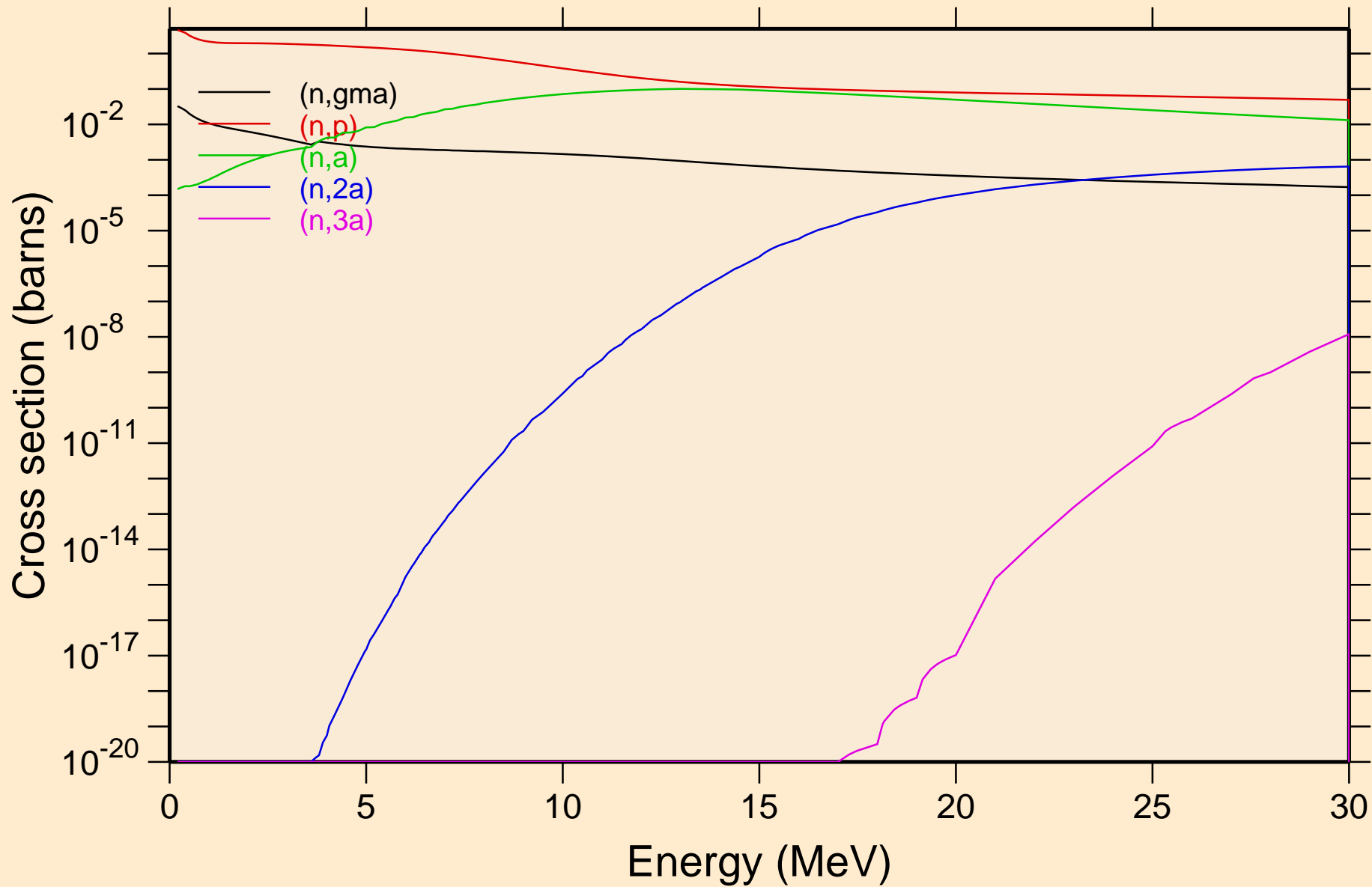
## Heating



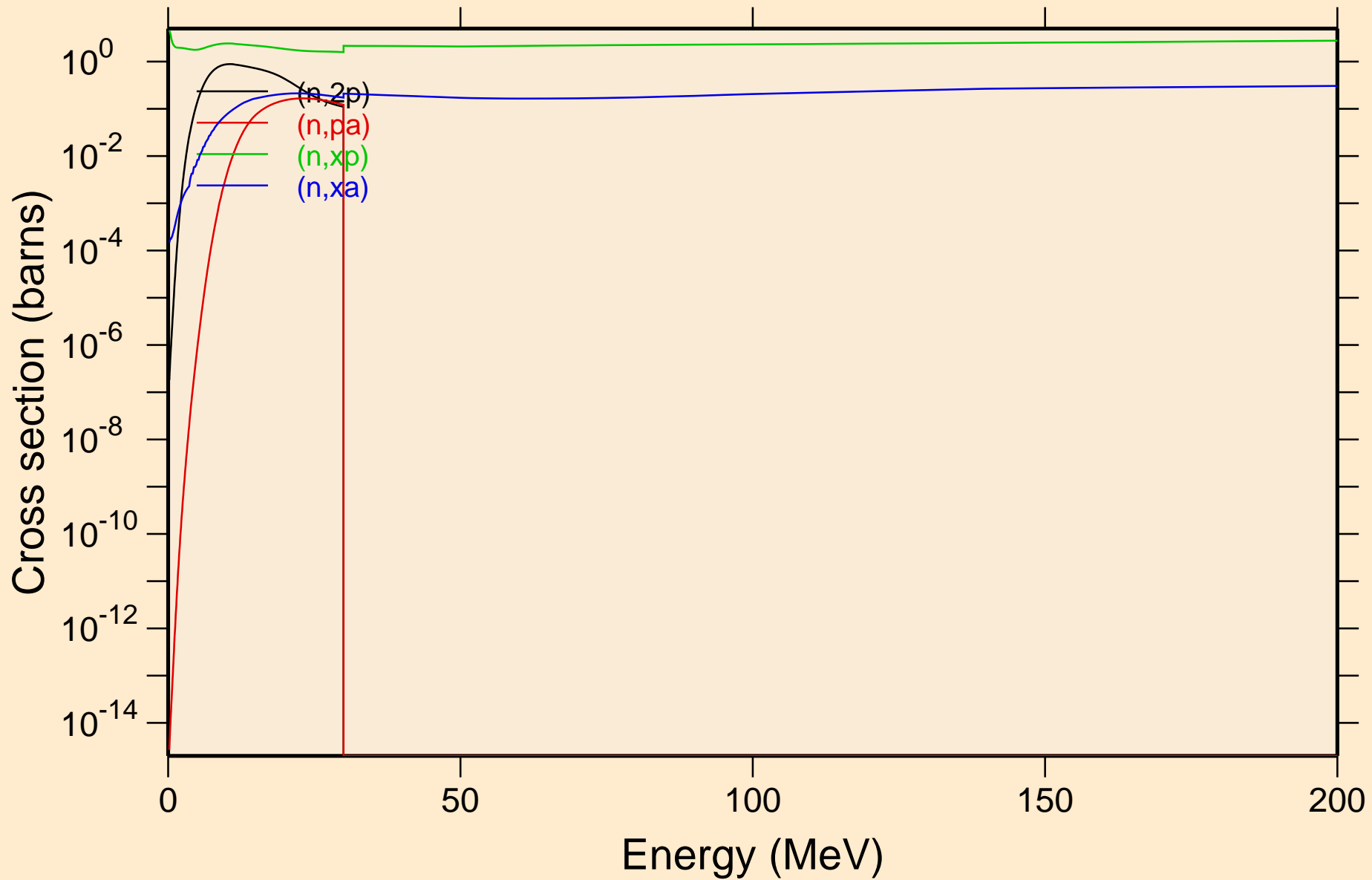
TC090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Damage



TC090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

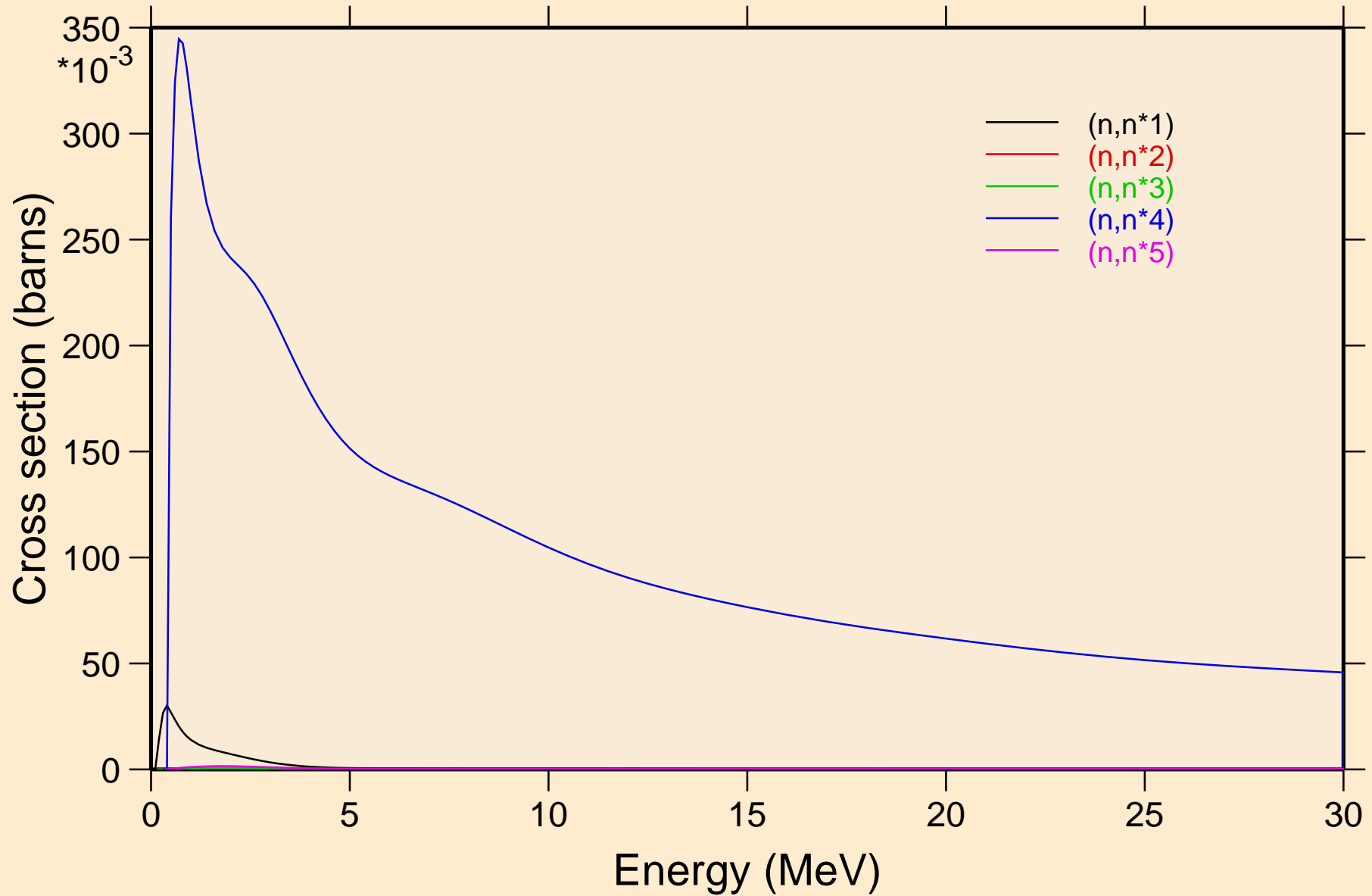


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Non-threshold reactions

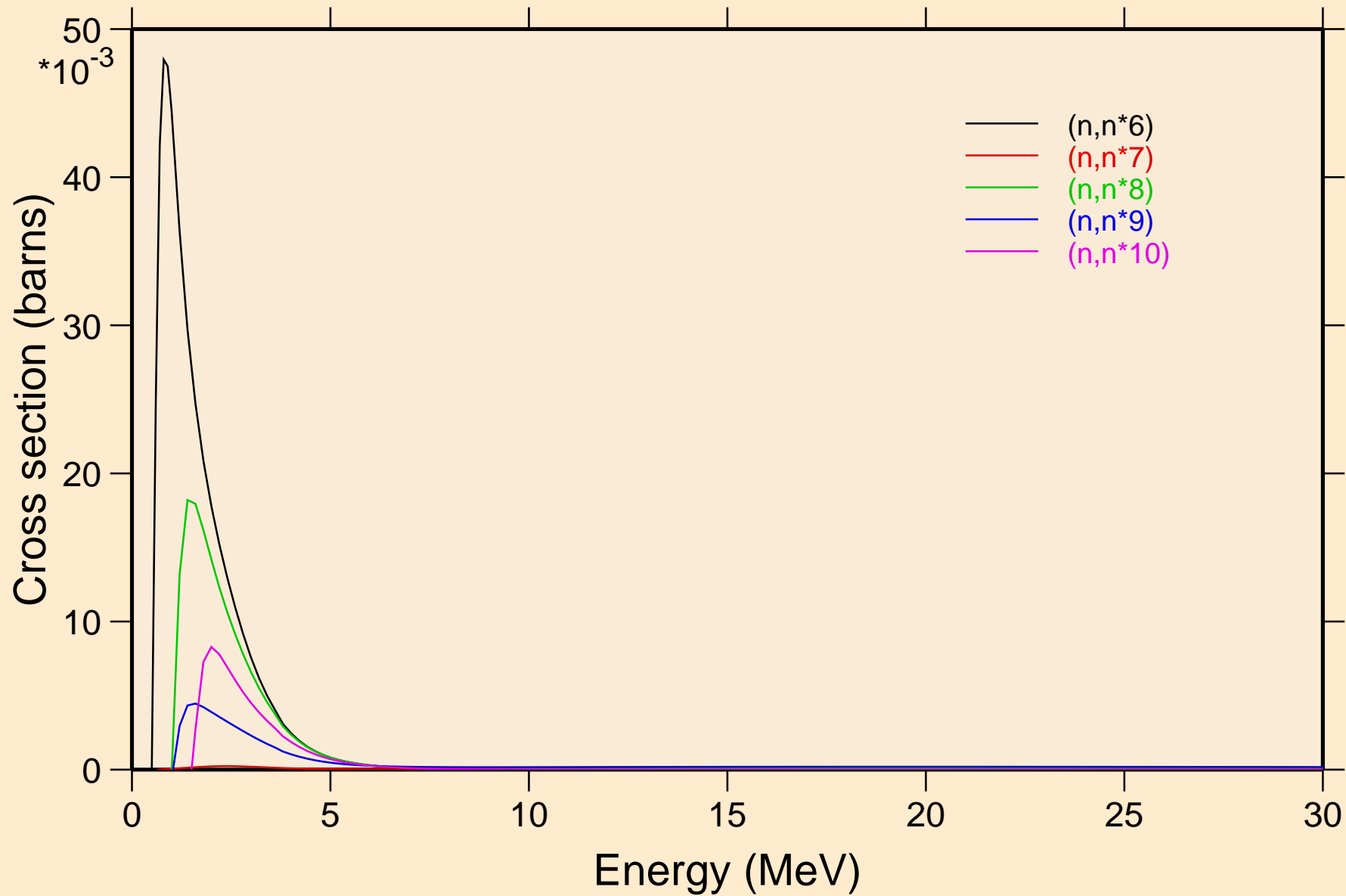




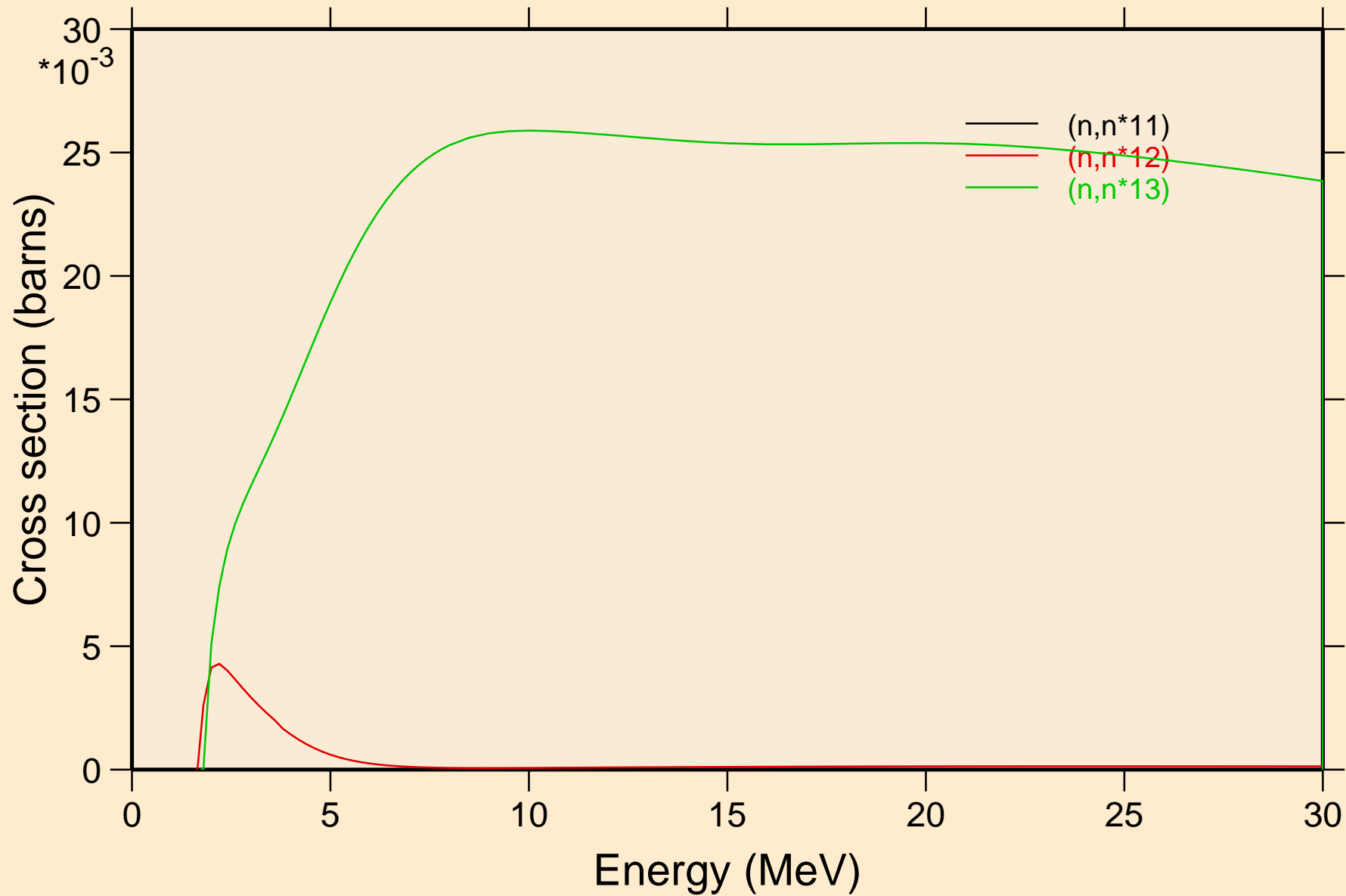
TC090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



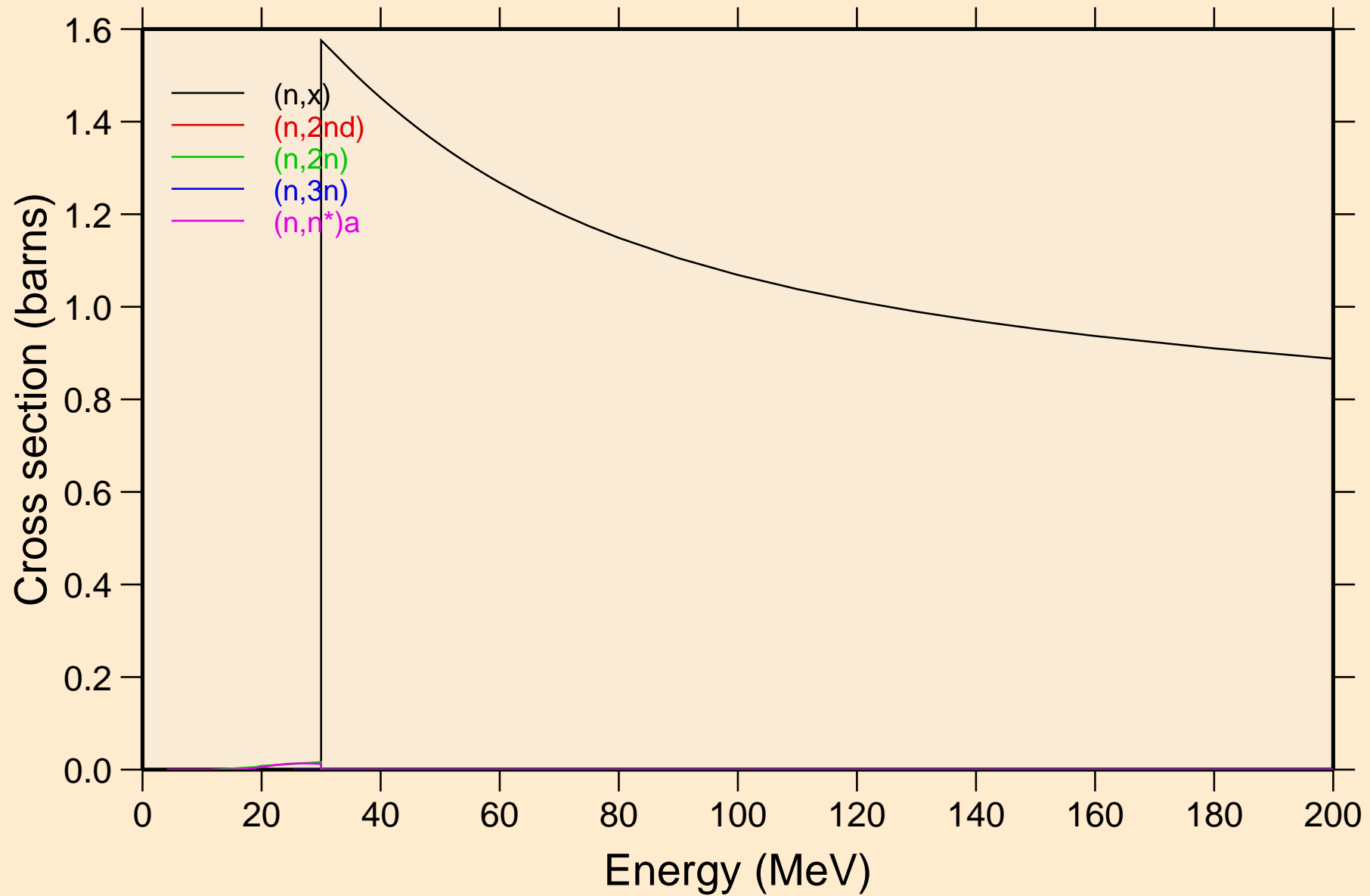
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Inelastic levels



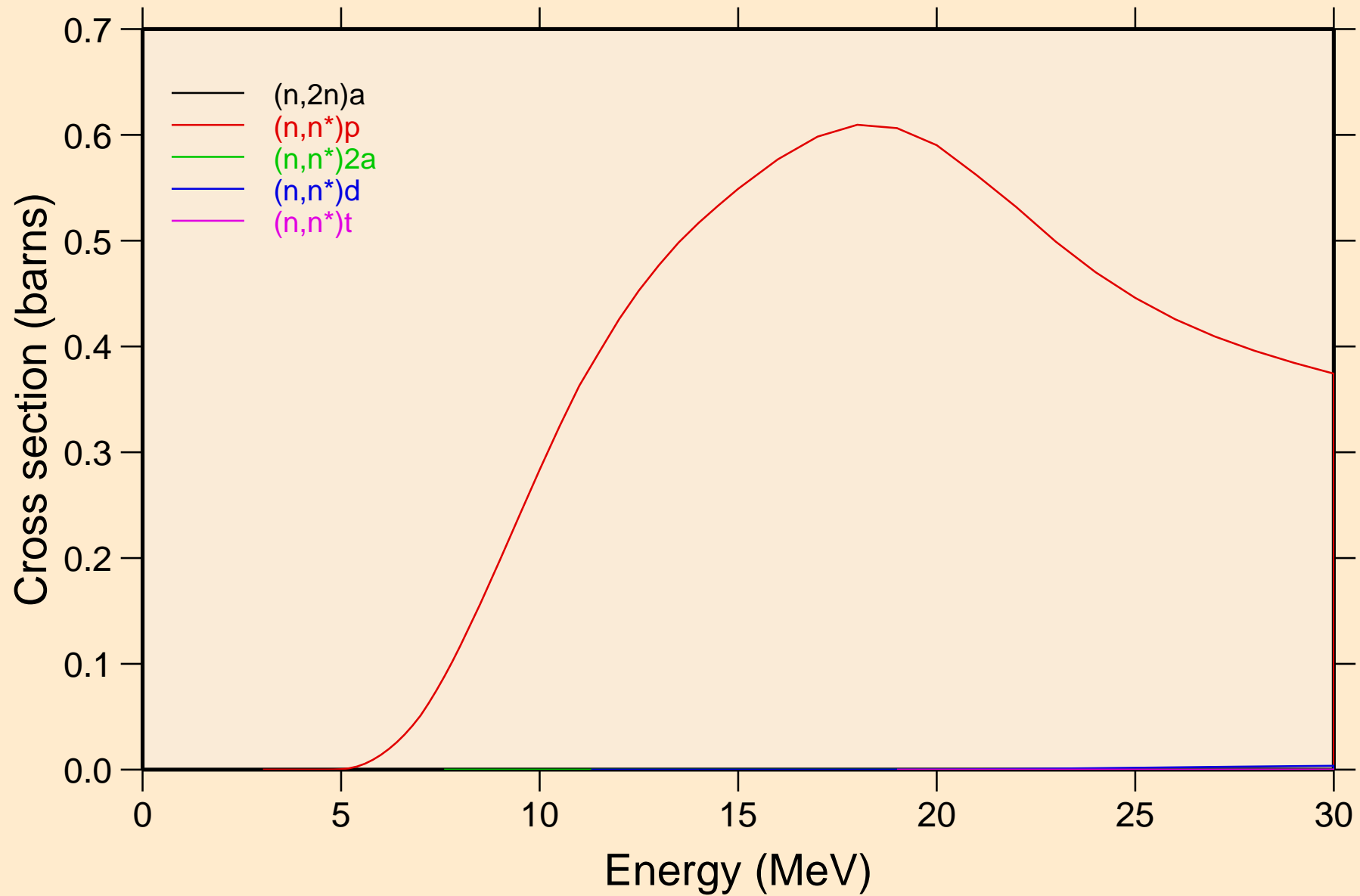
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Inelastic levels



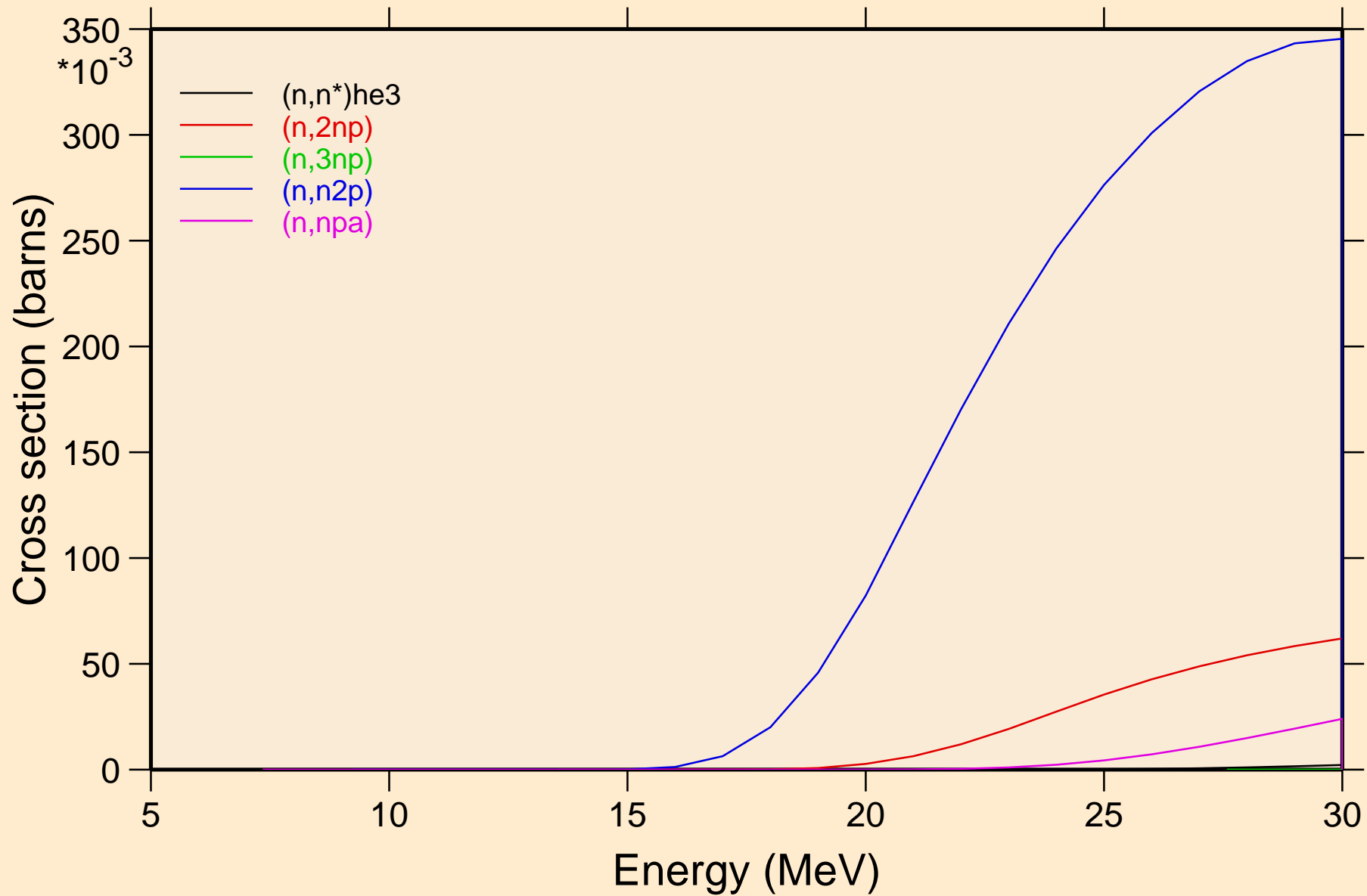
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Threshold reactions



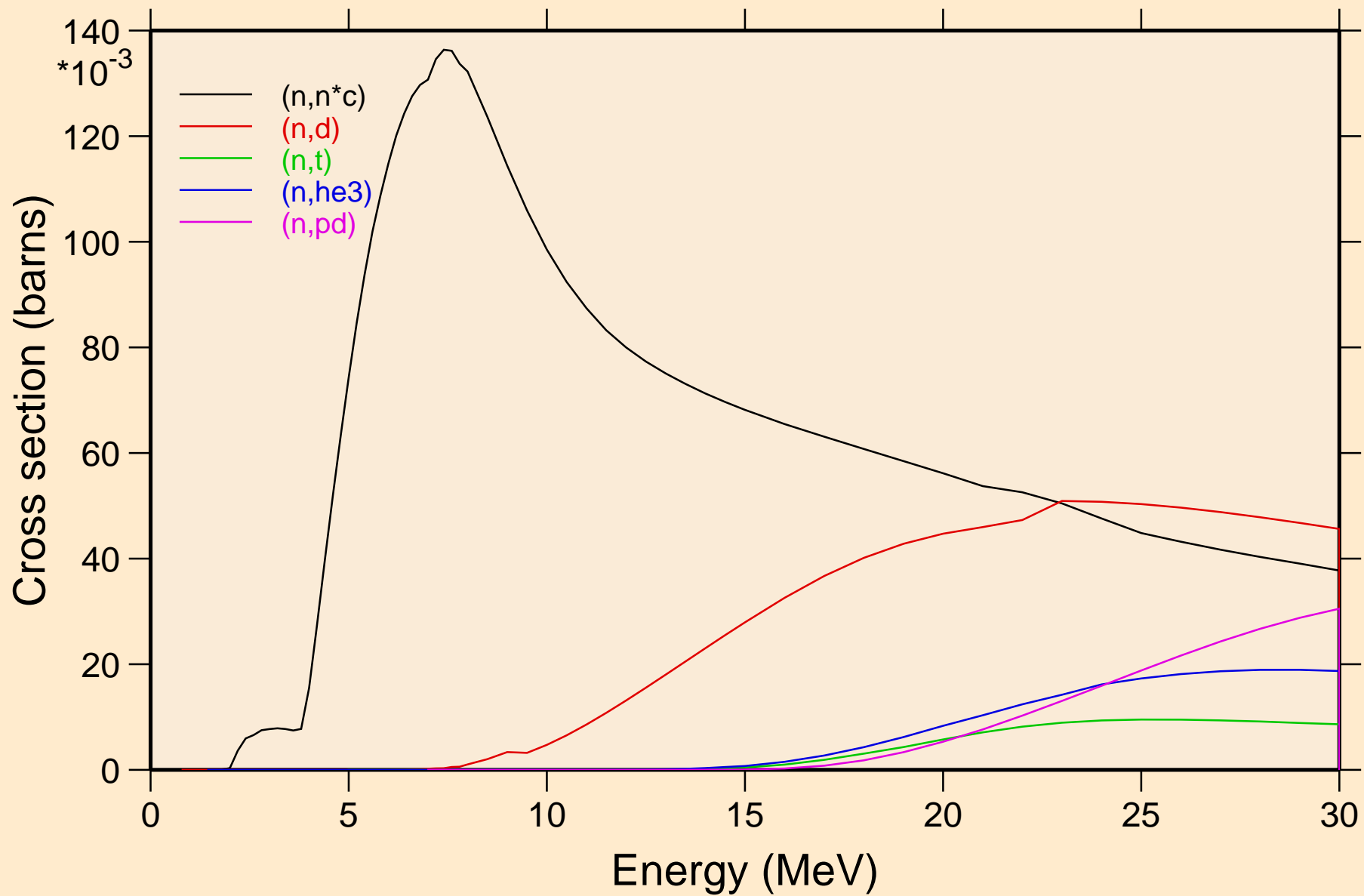
TC090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



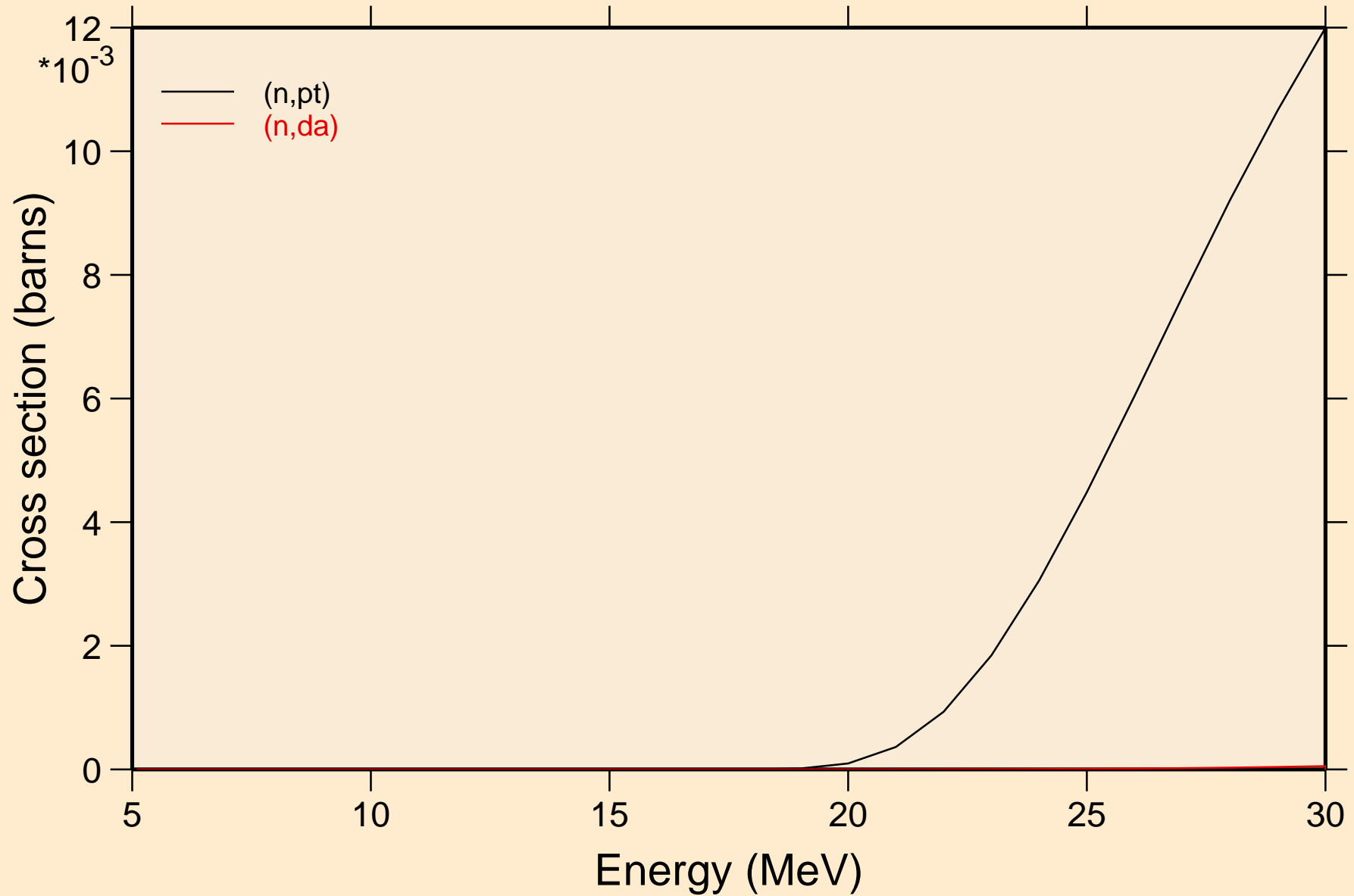
TC090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



TC090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

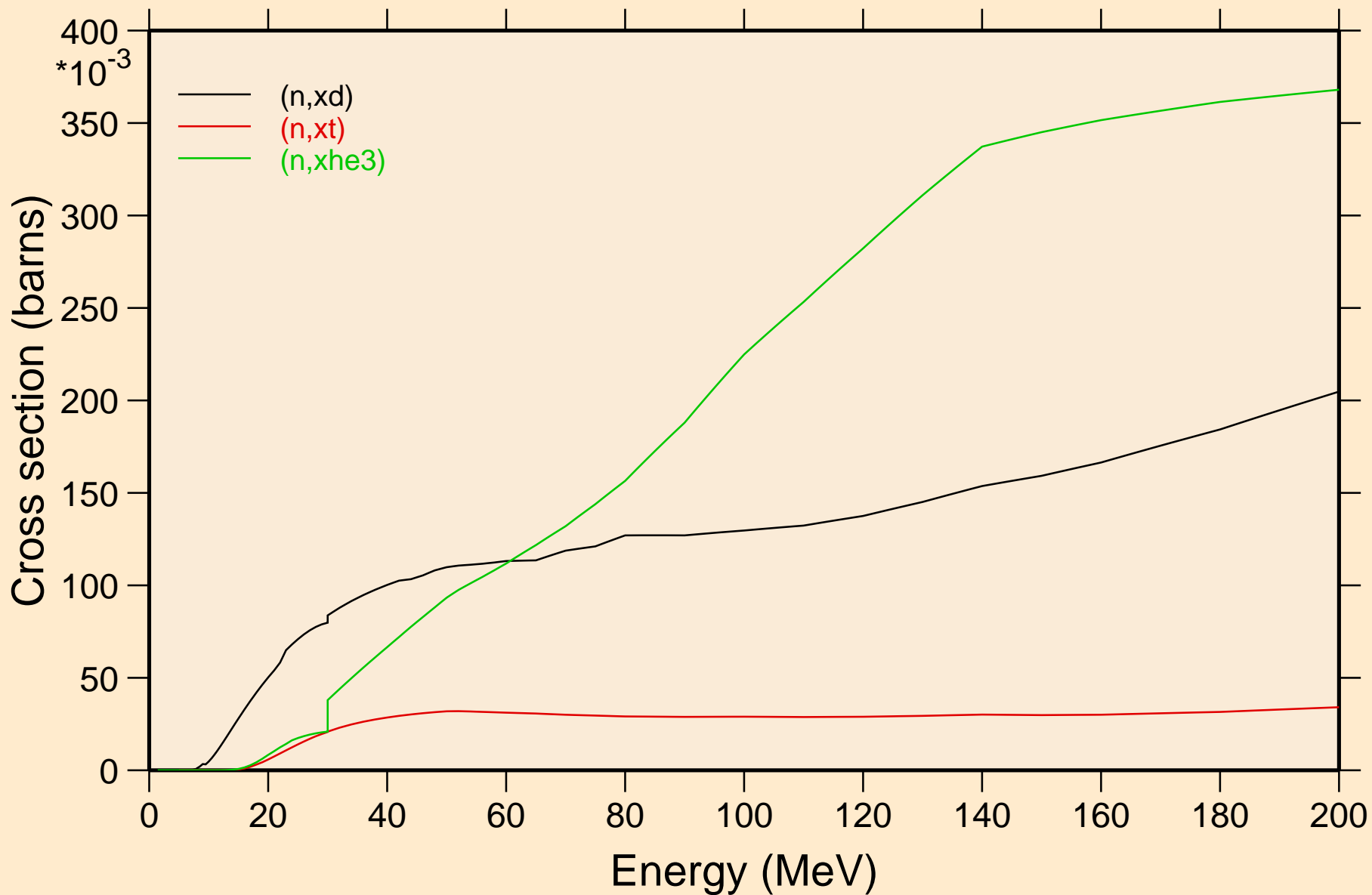


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Threshold reactions

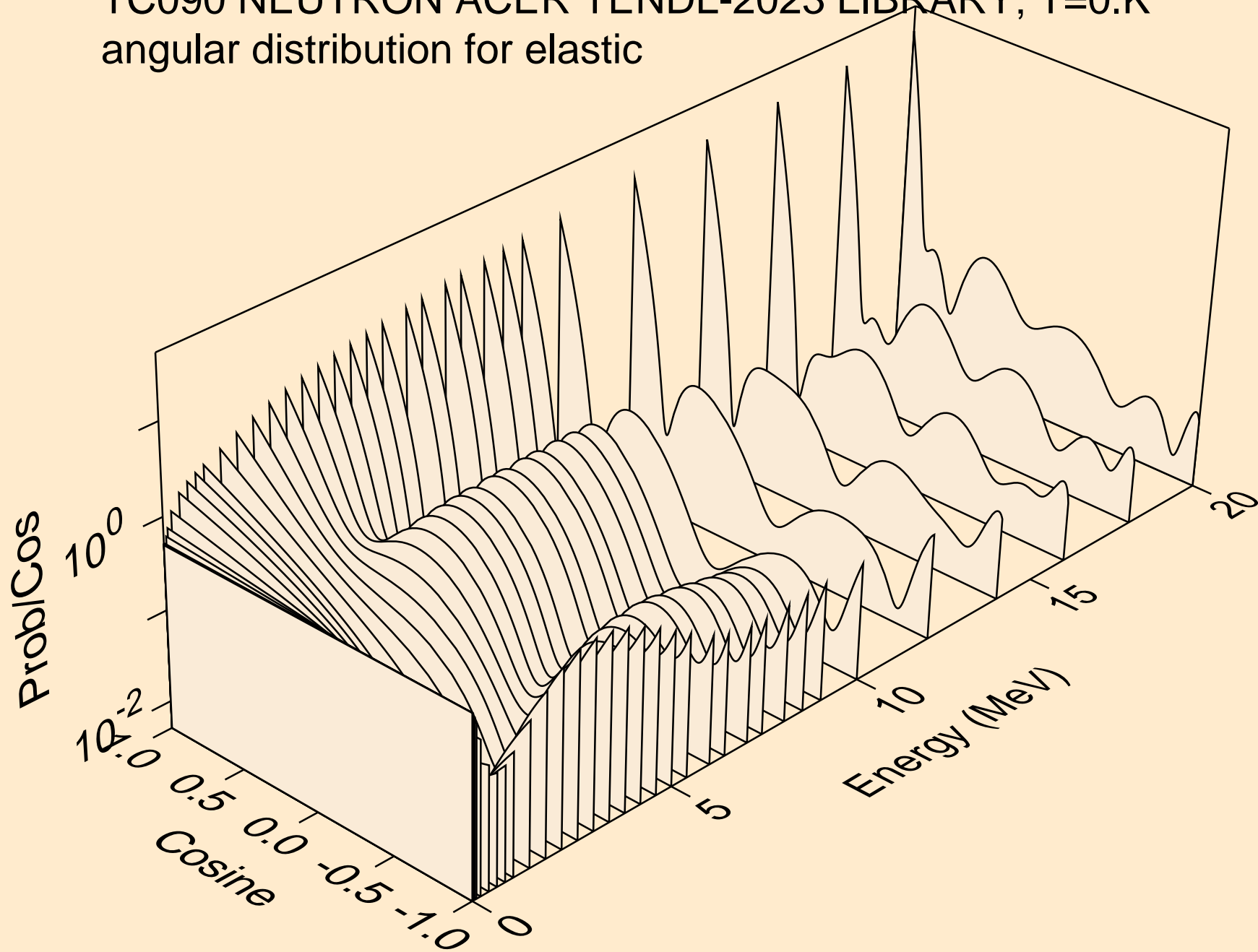




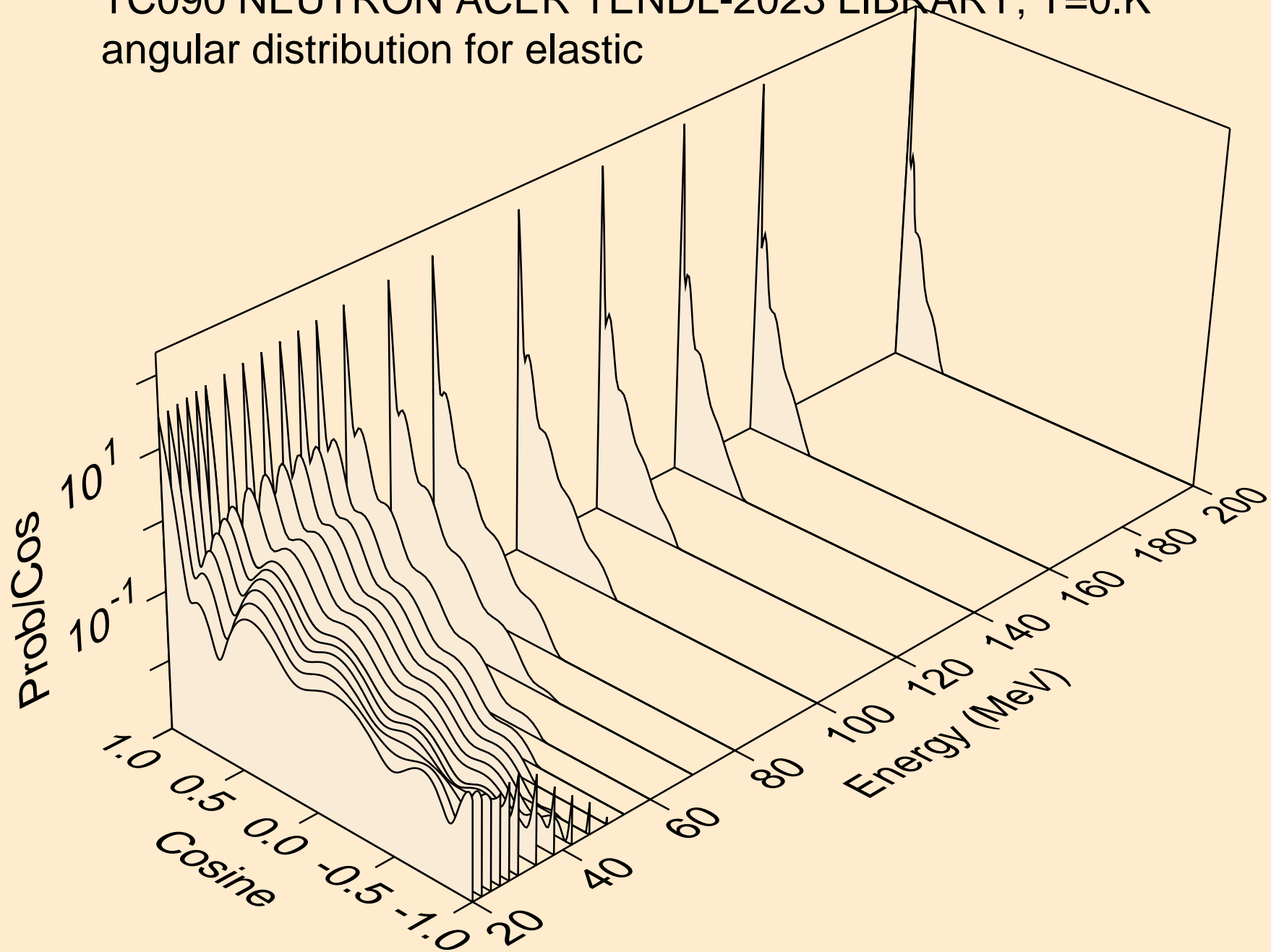
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Threshold reactions



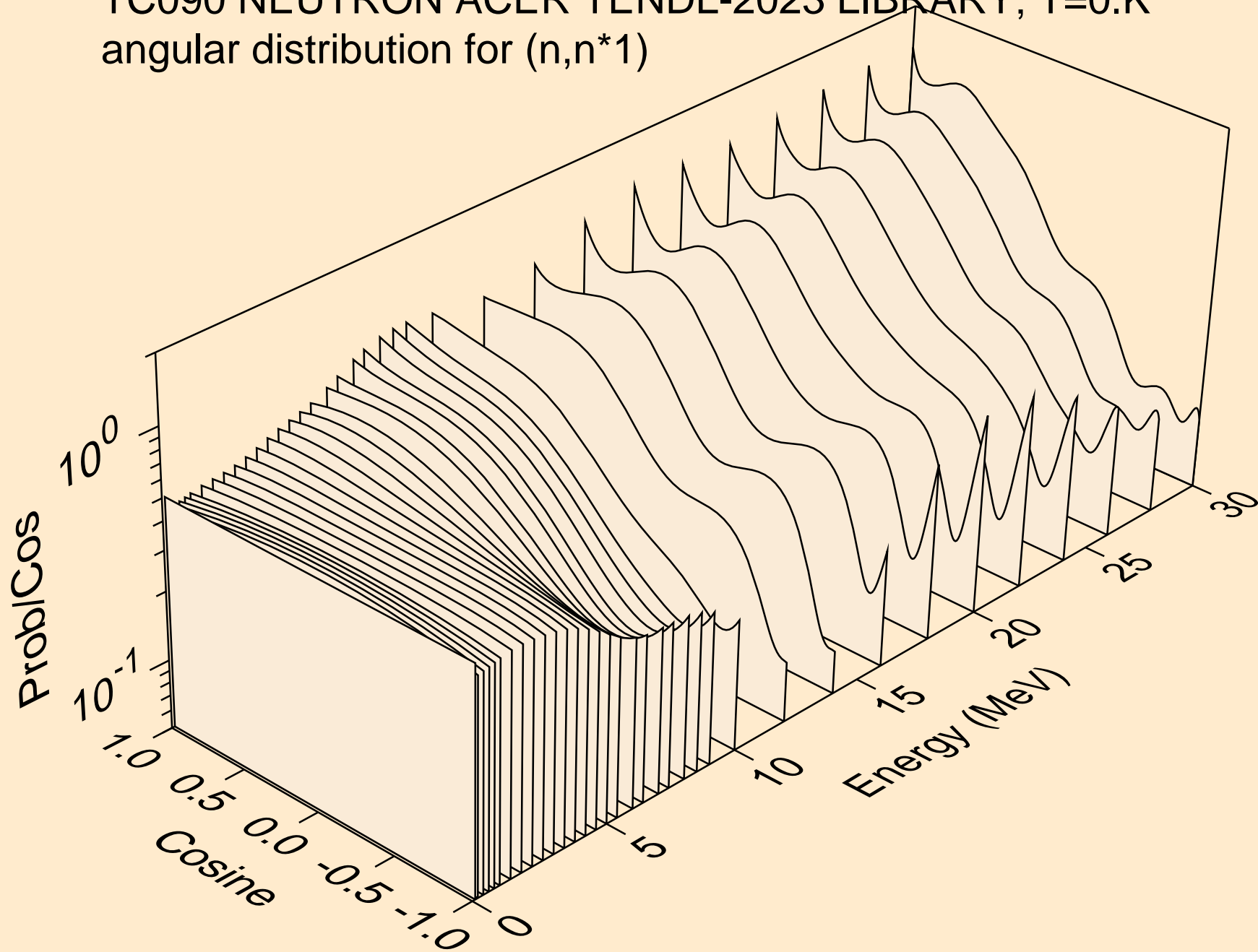
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angular distribution for elastic



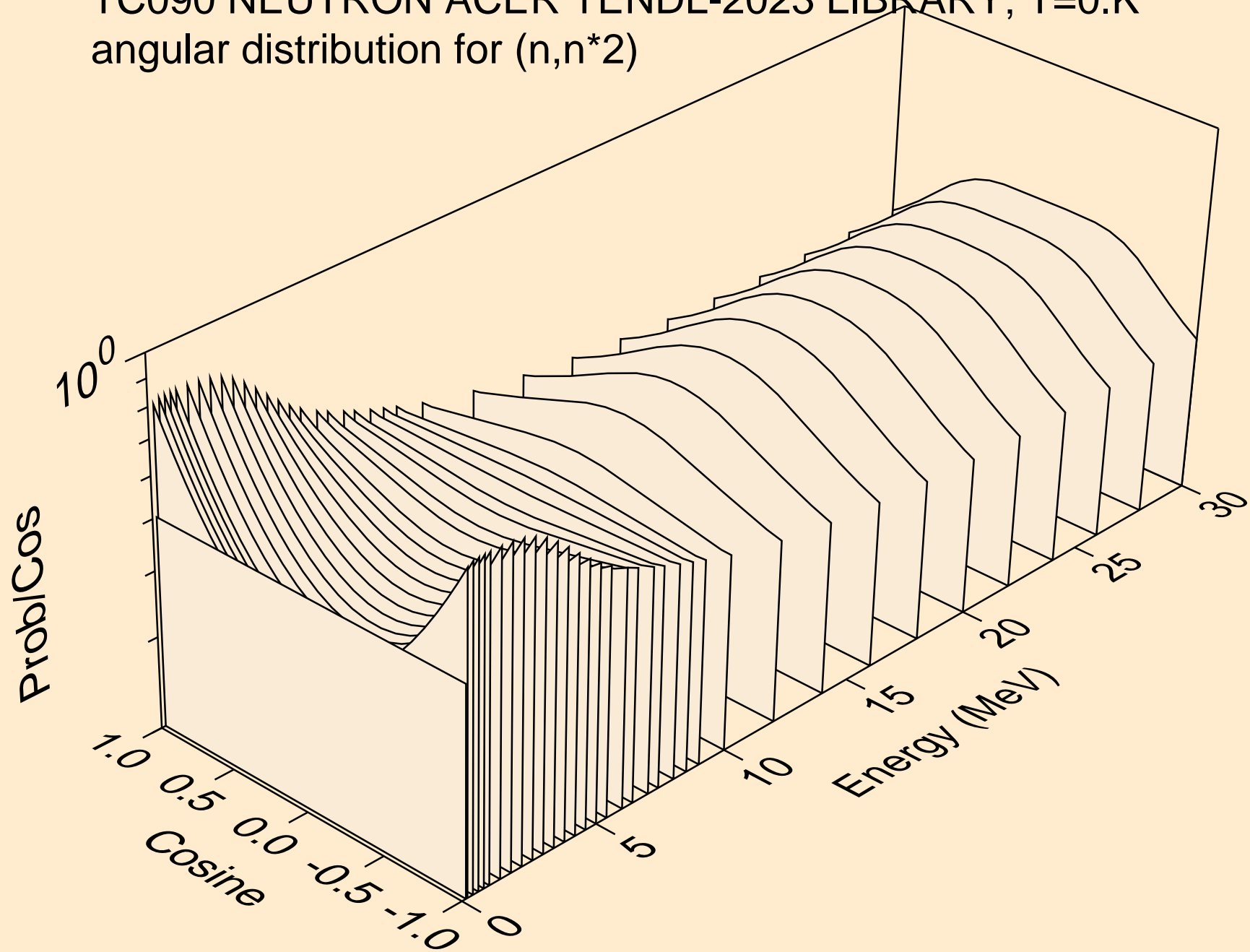
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angular distribution for elastic



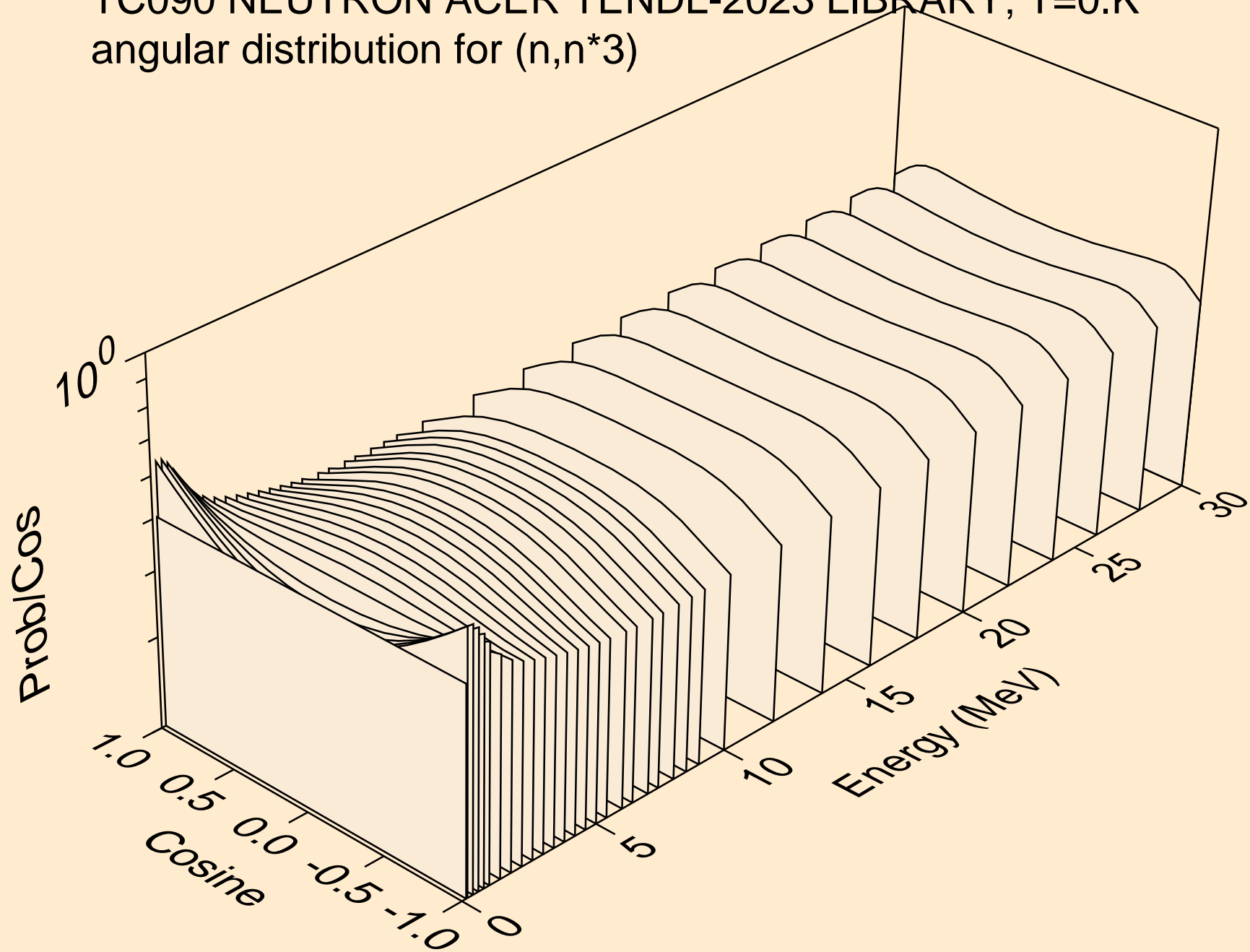
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angular distribution for (n,n\*1)



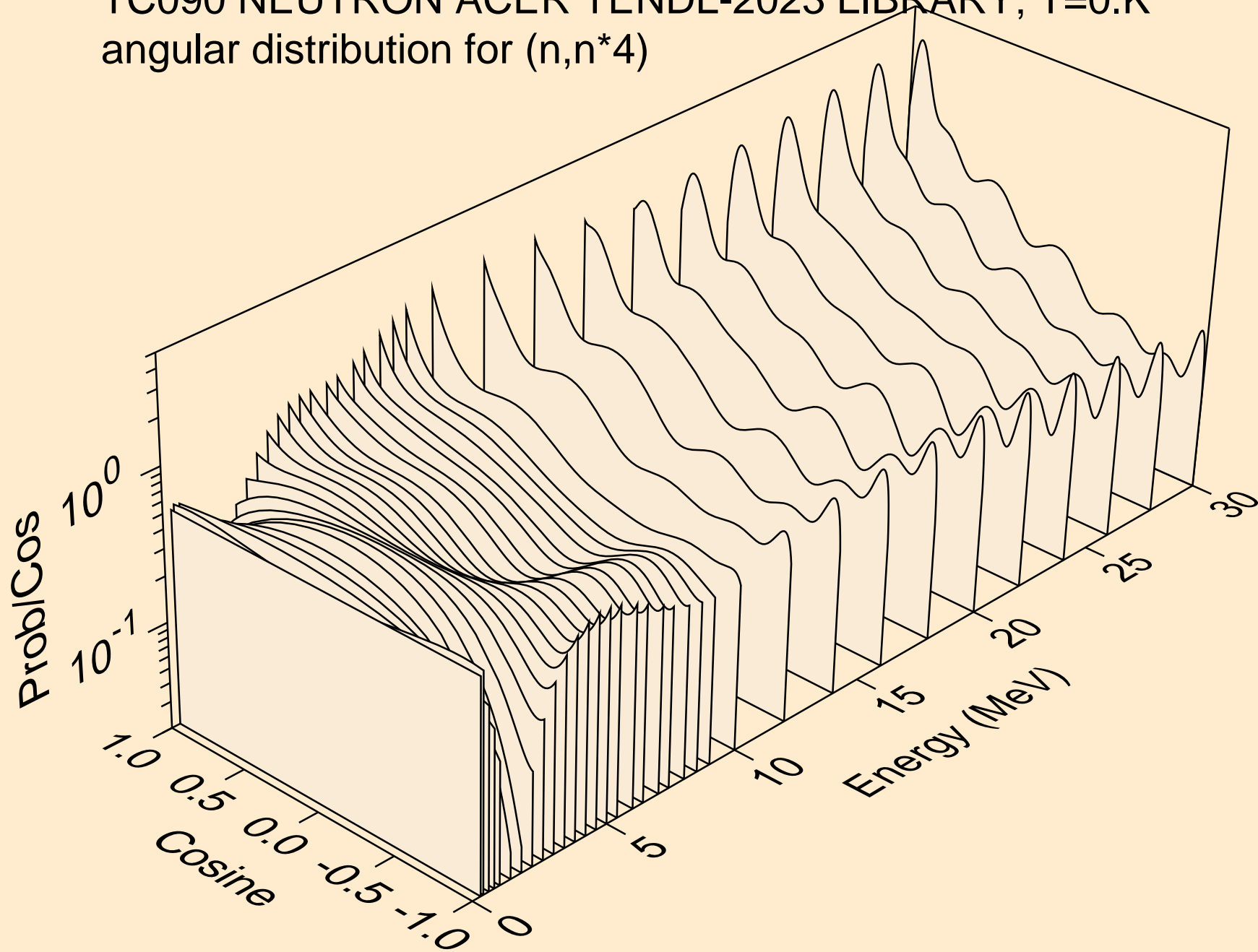
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angular distribution for (n,n\*2)



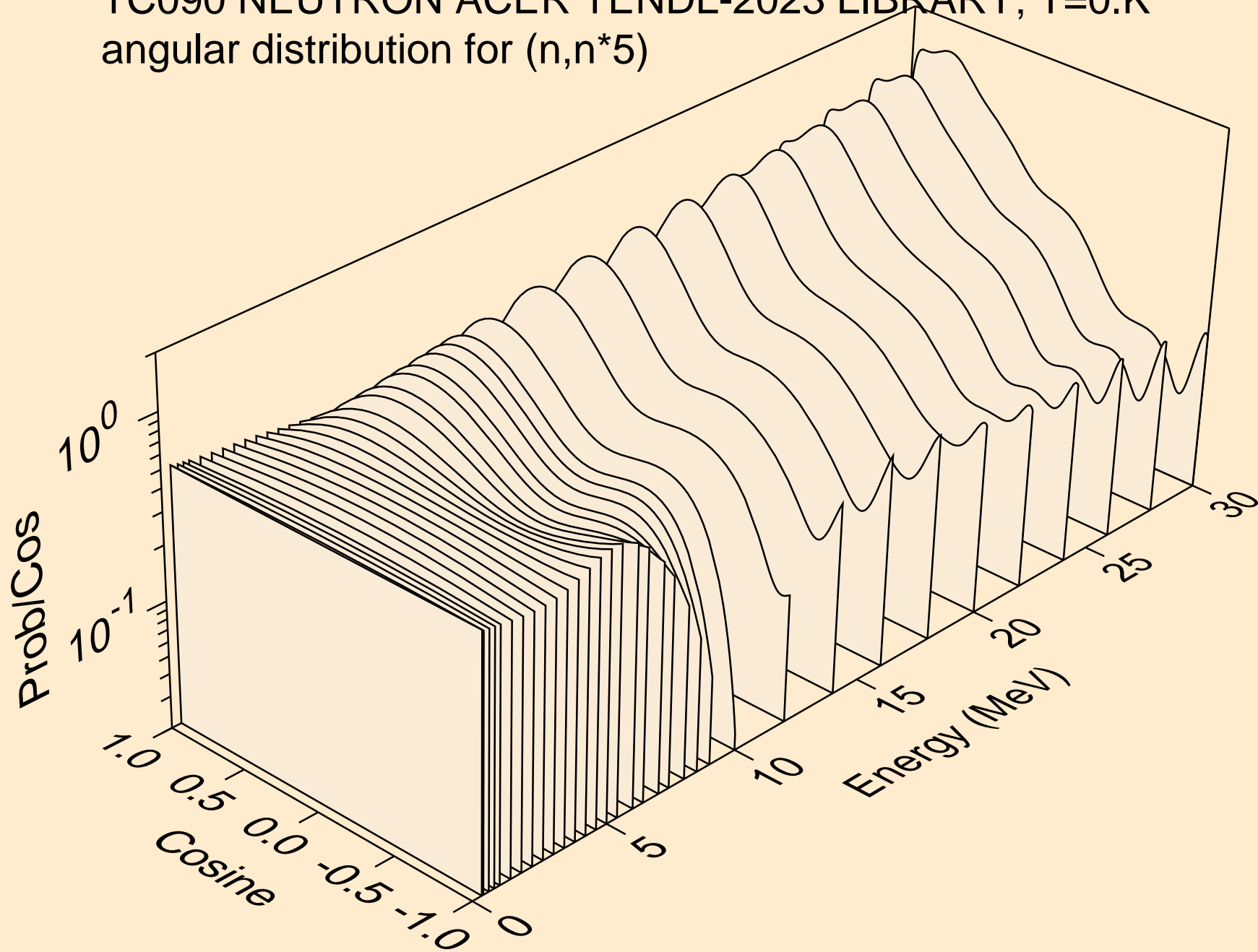
TC090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*3)



TC090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*4)

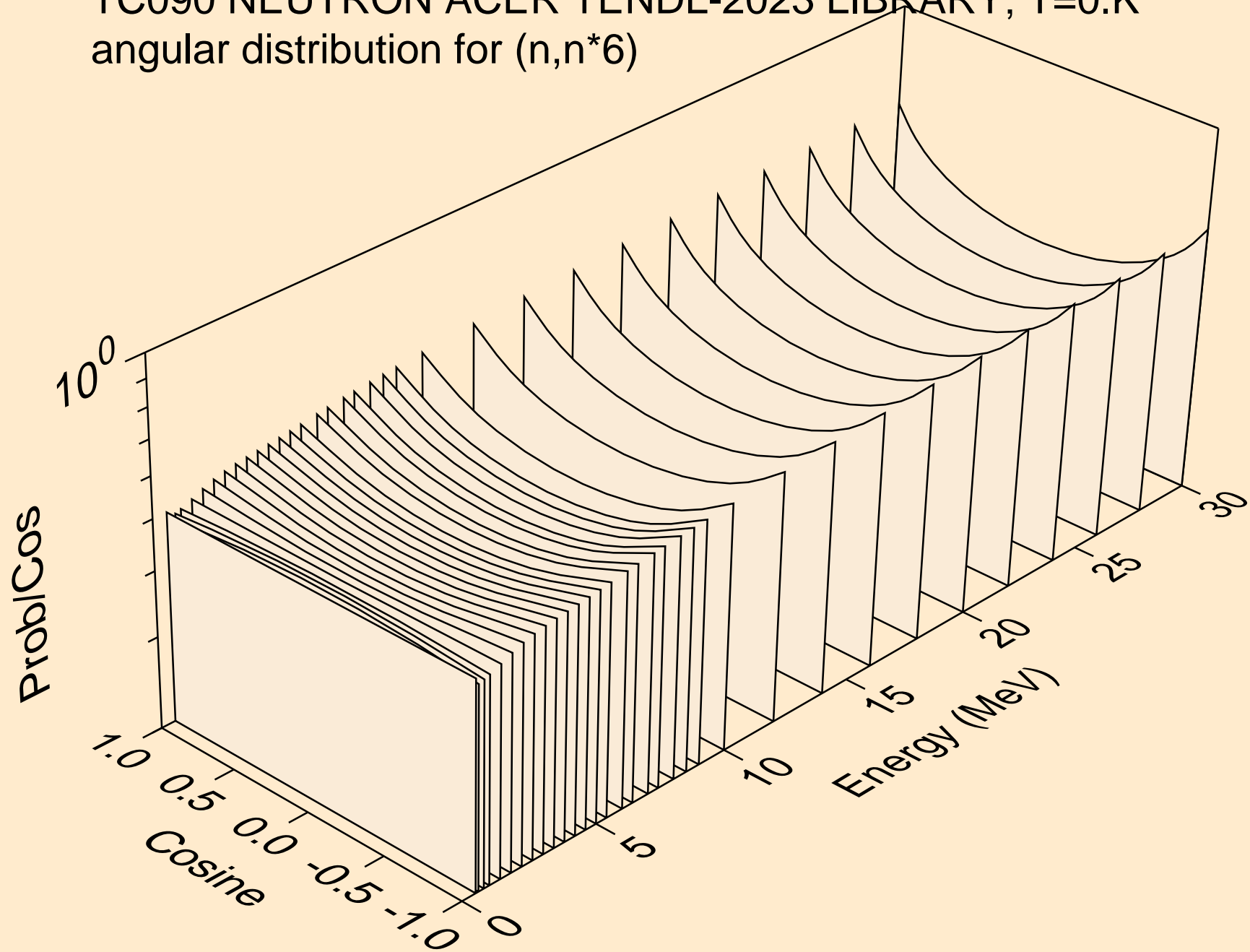


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angular distribution for (n,n\*5)

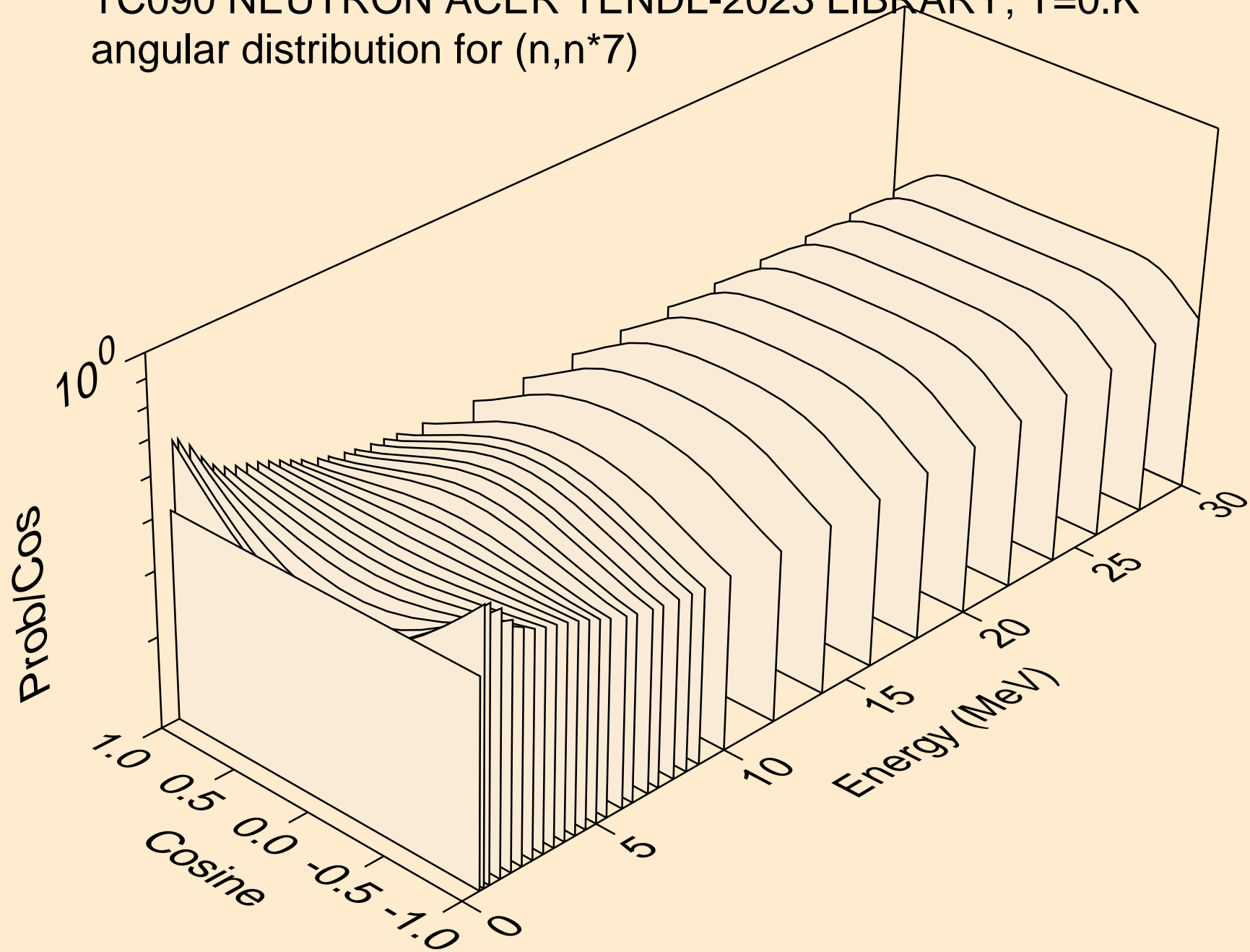




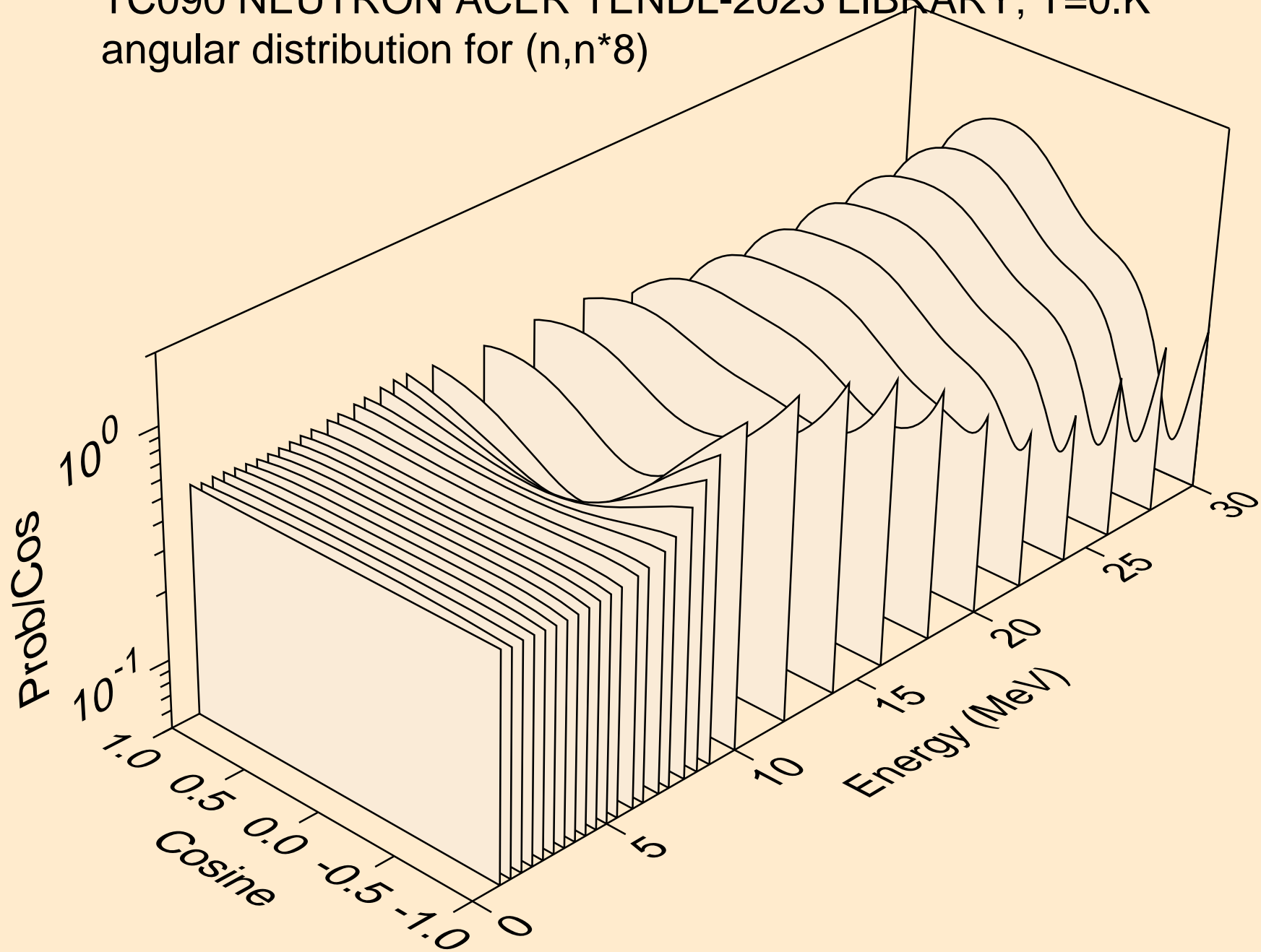
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angular distribution for (n,n\*6)



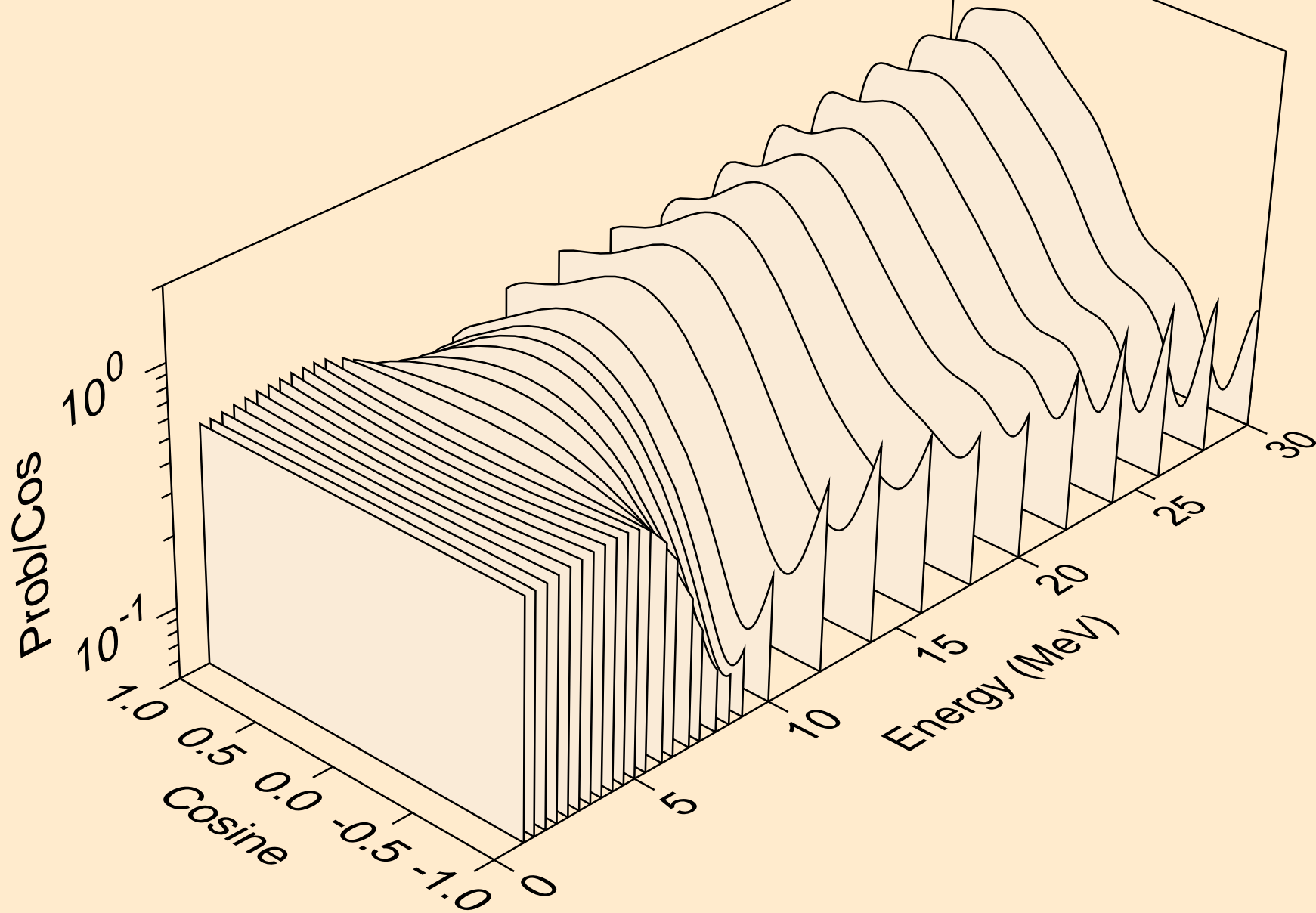
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angular distribution for (n,n\*7)



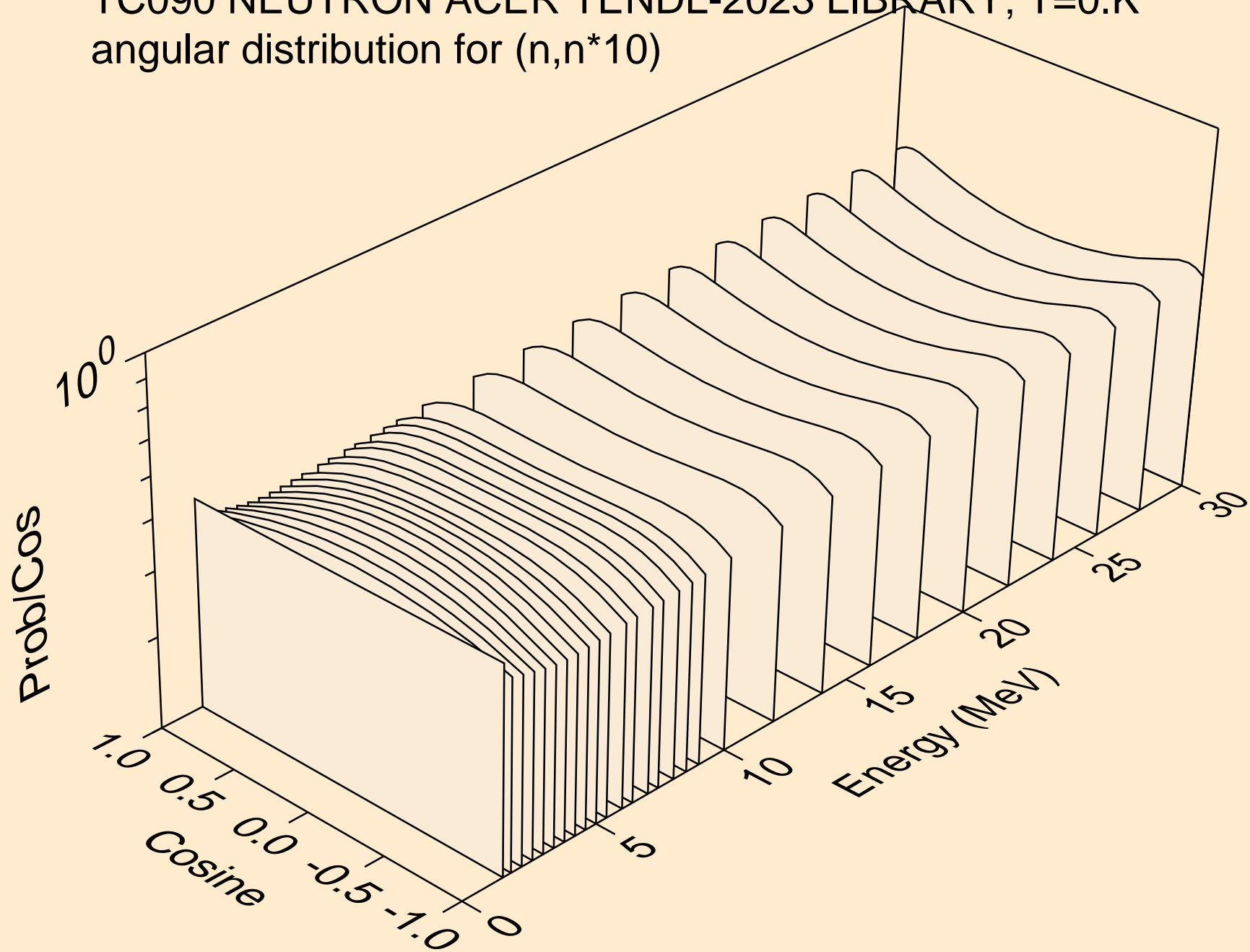
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angular distribution for (n,n\*8)



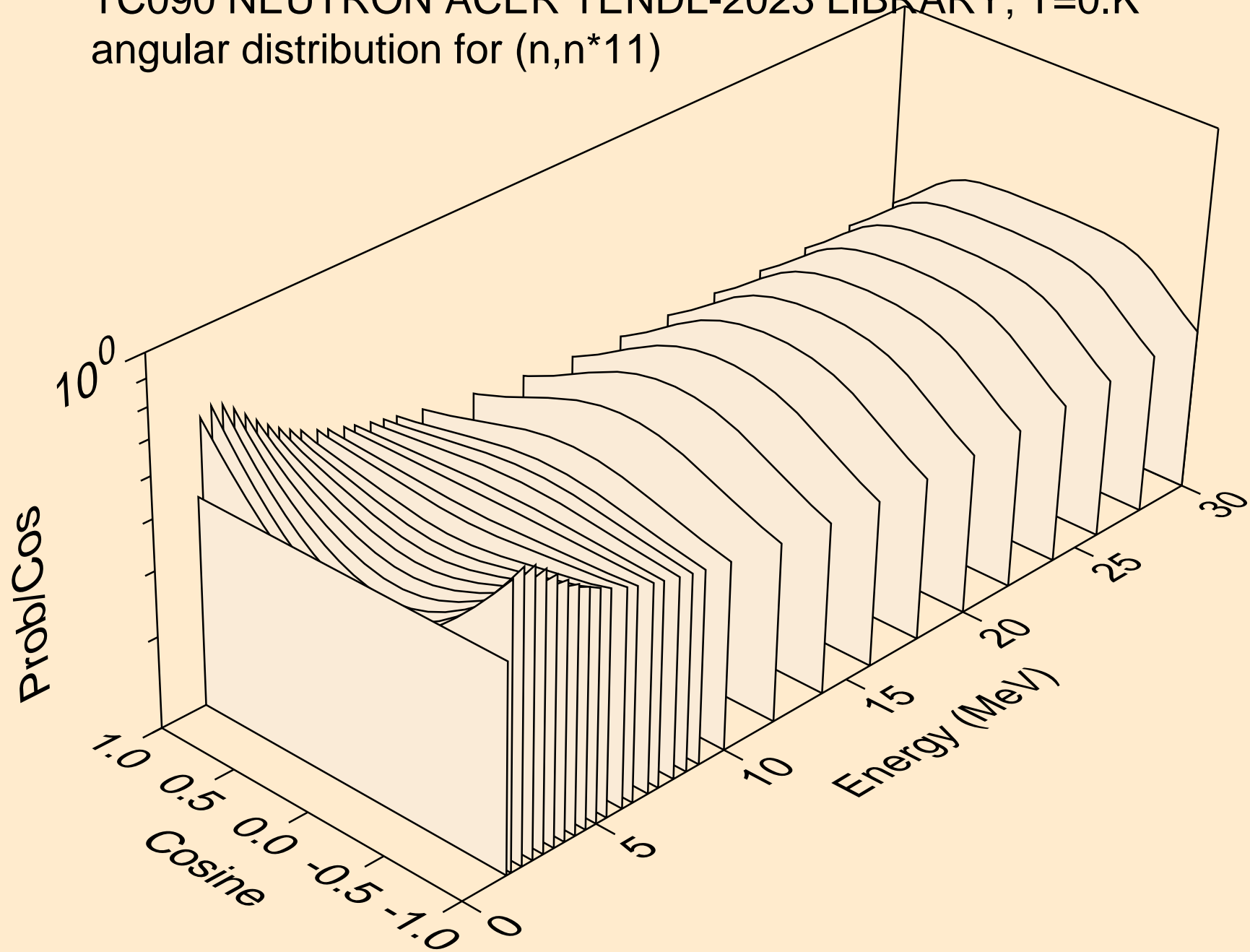
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angular distribution for (n,n\*9)



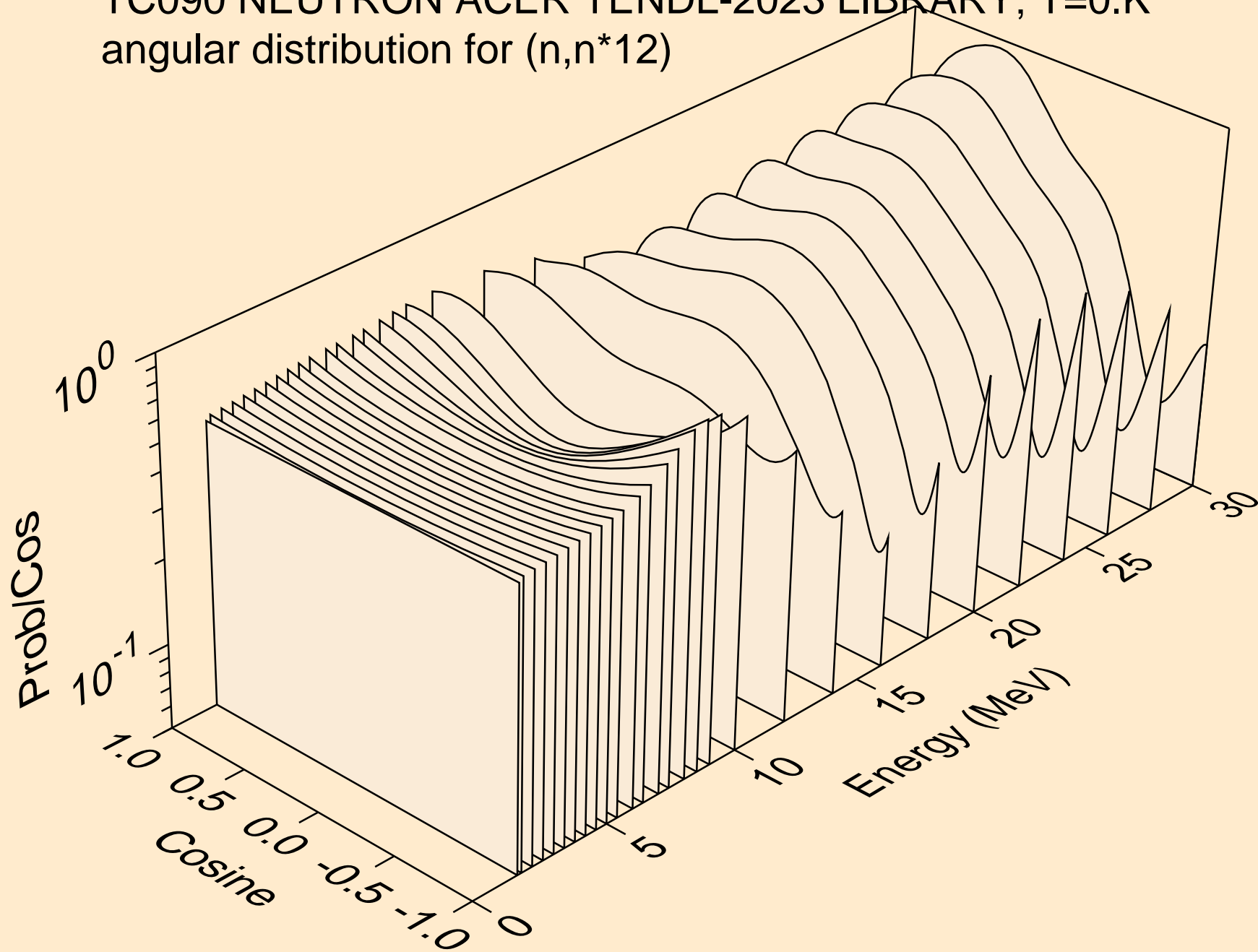
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angular distribution for (n,n\*10)



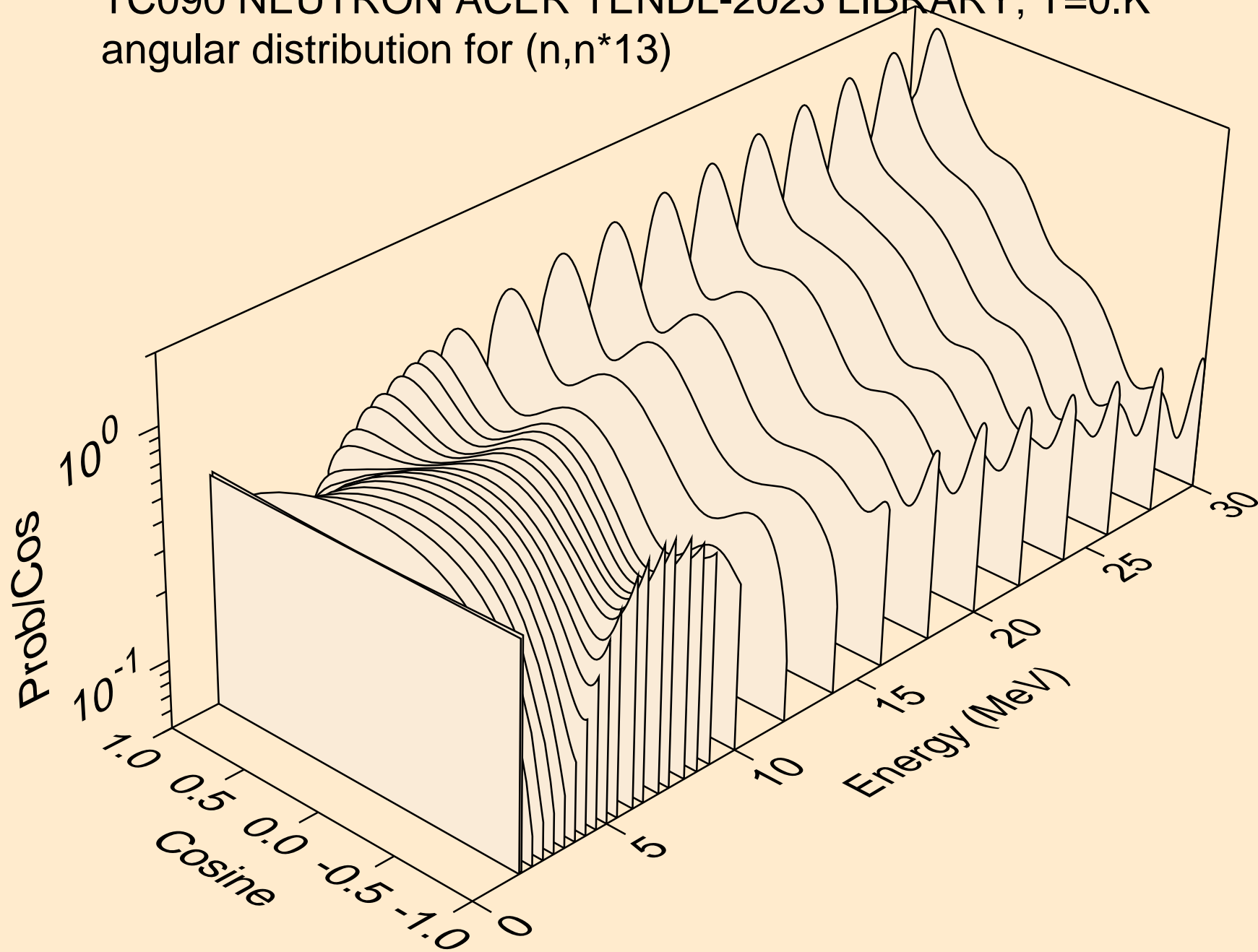
TC090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*11)



TC090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*12)

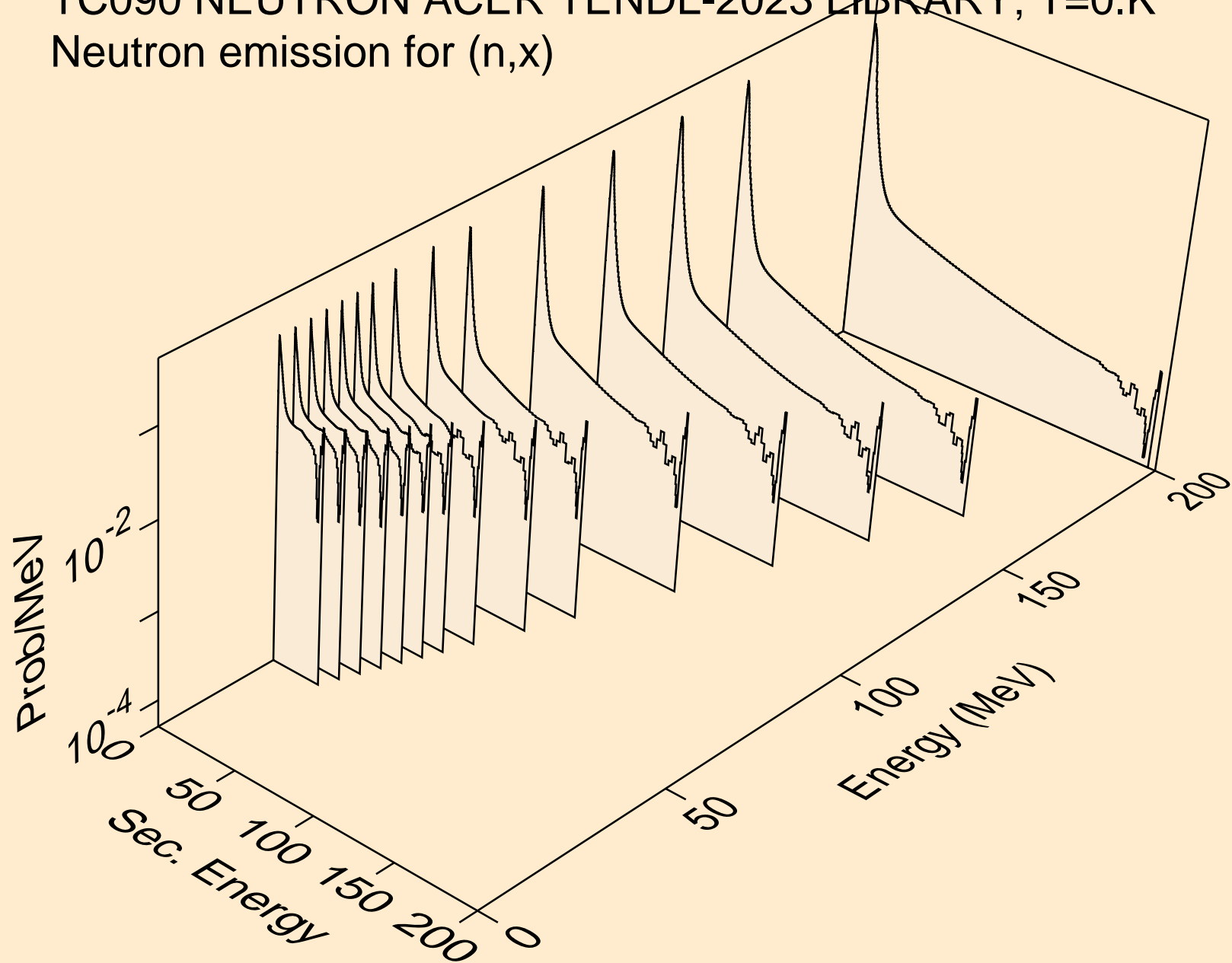


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angular distribution for (n,n\*13)

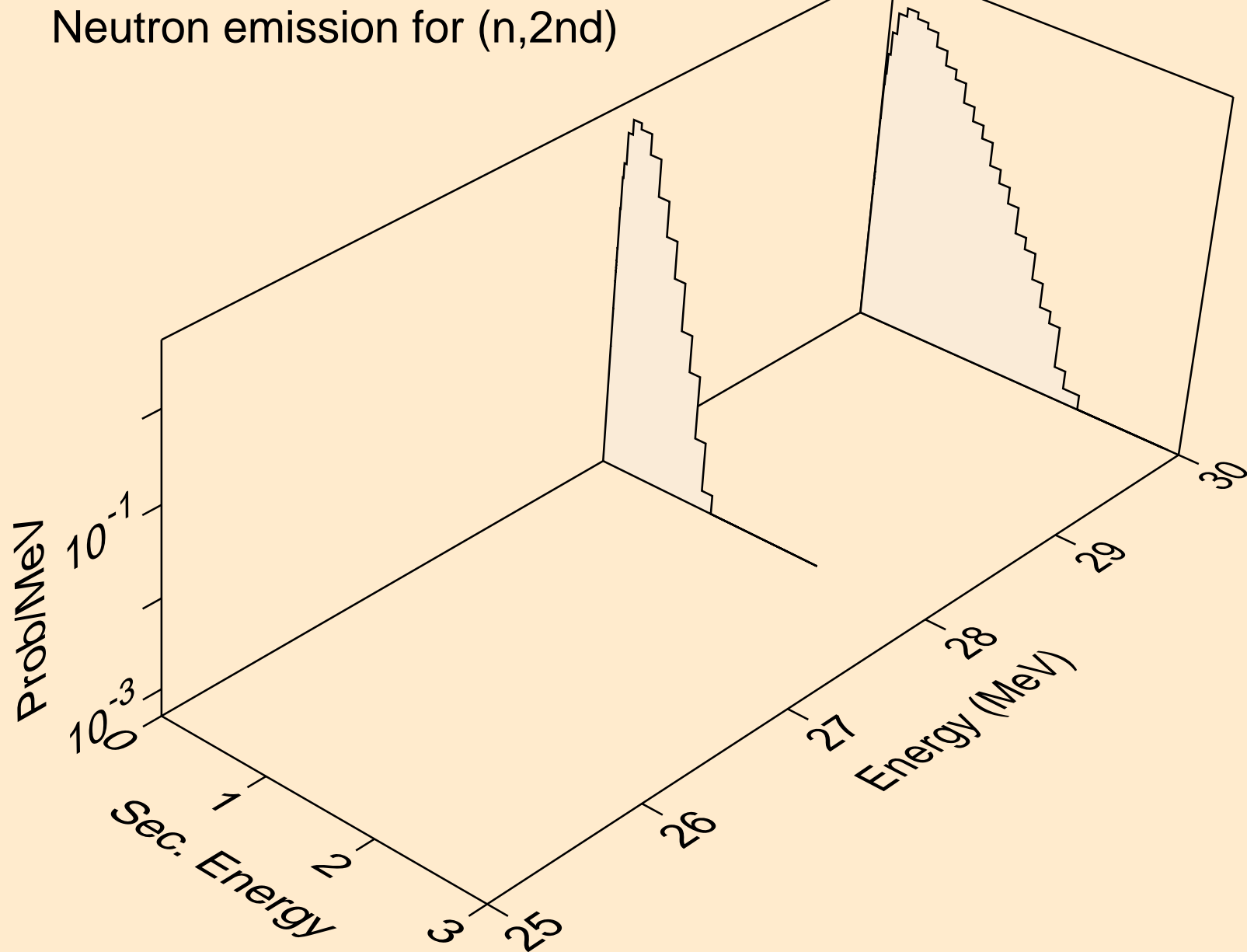




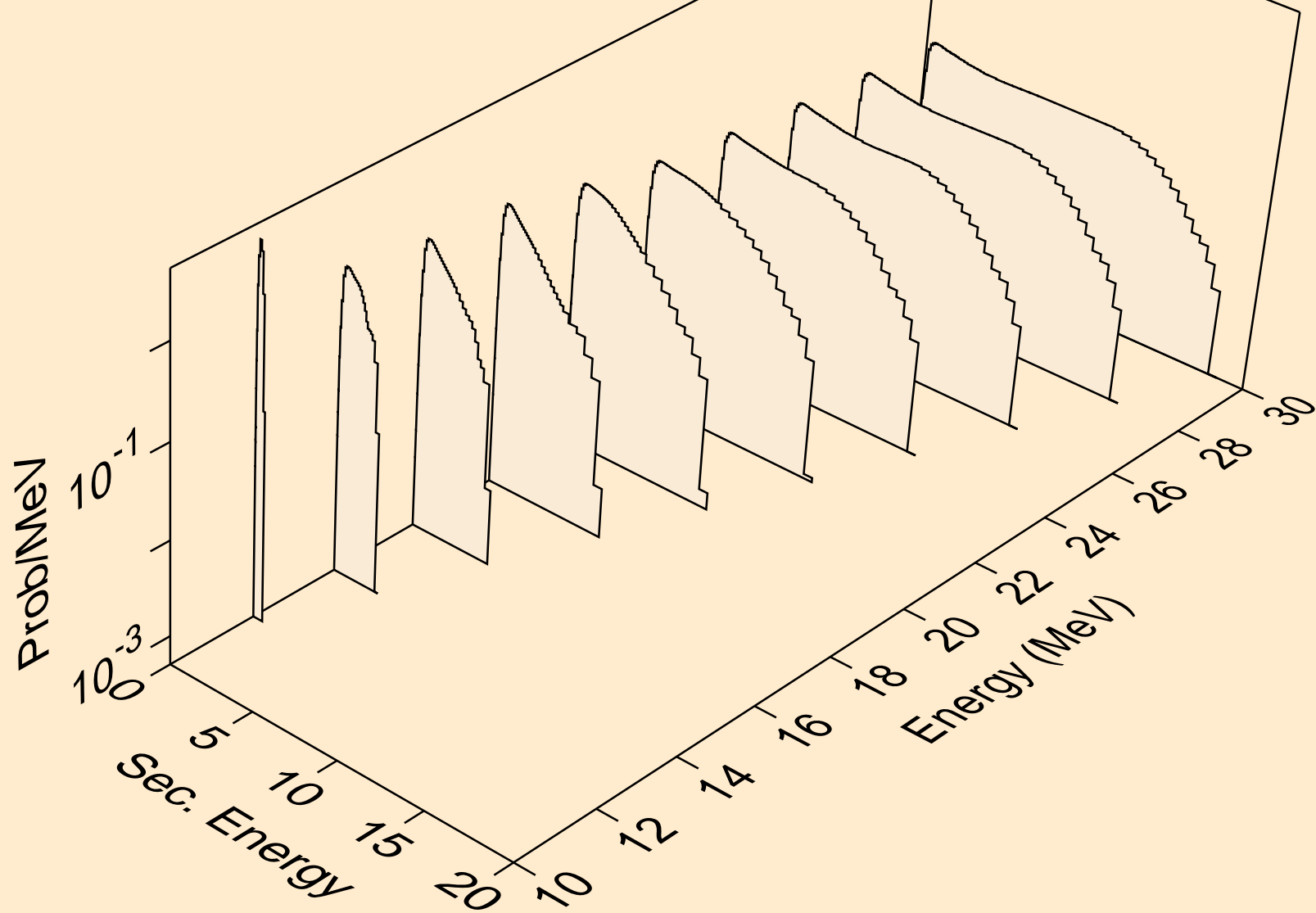
TC090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,x)



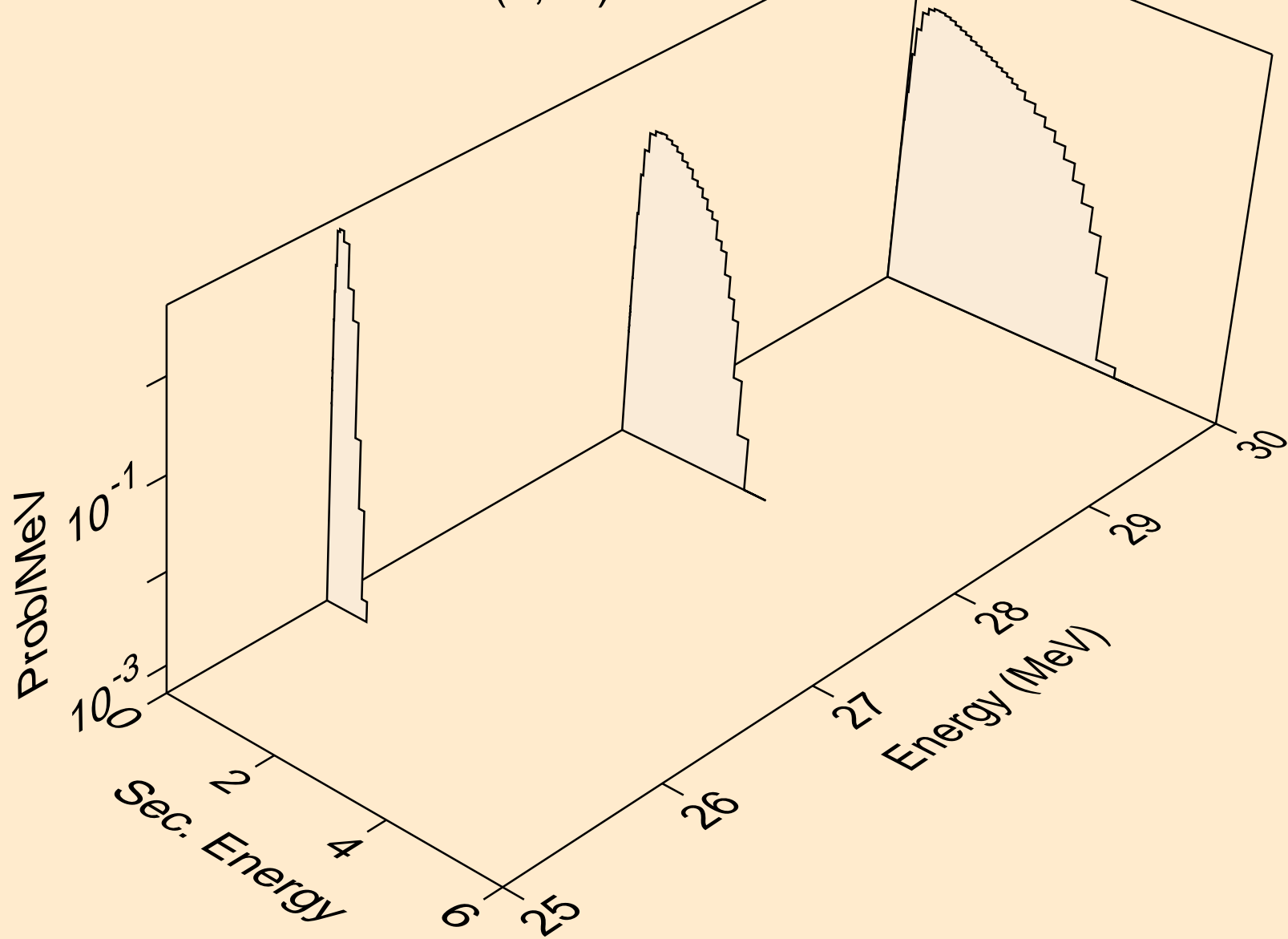
TC090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



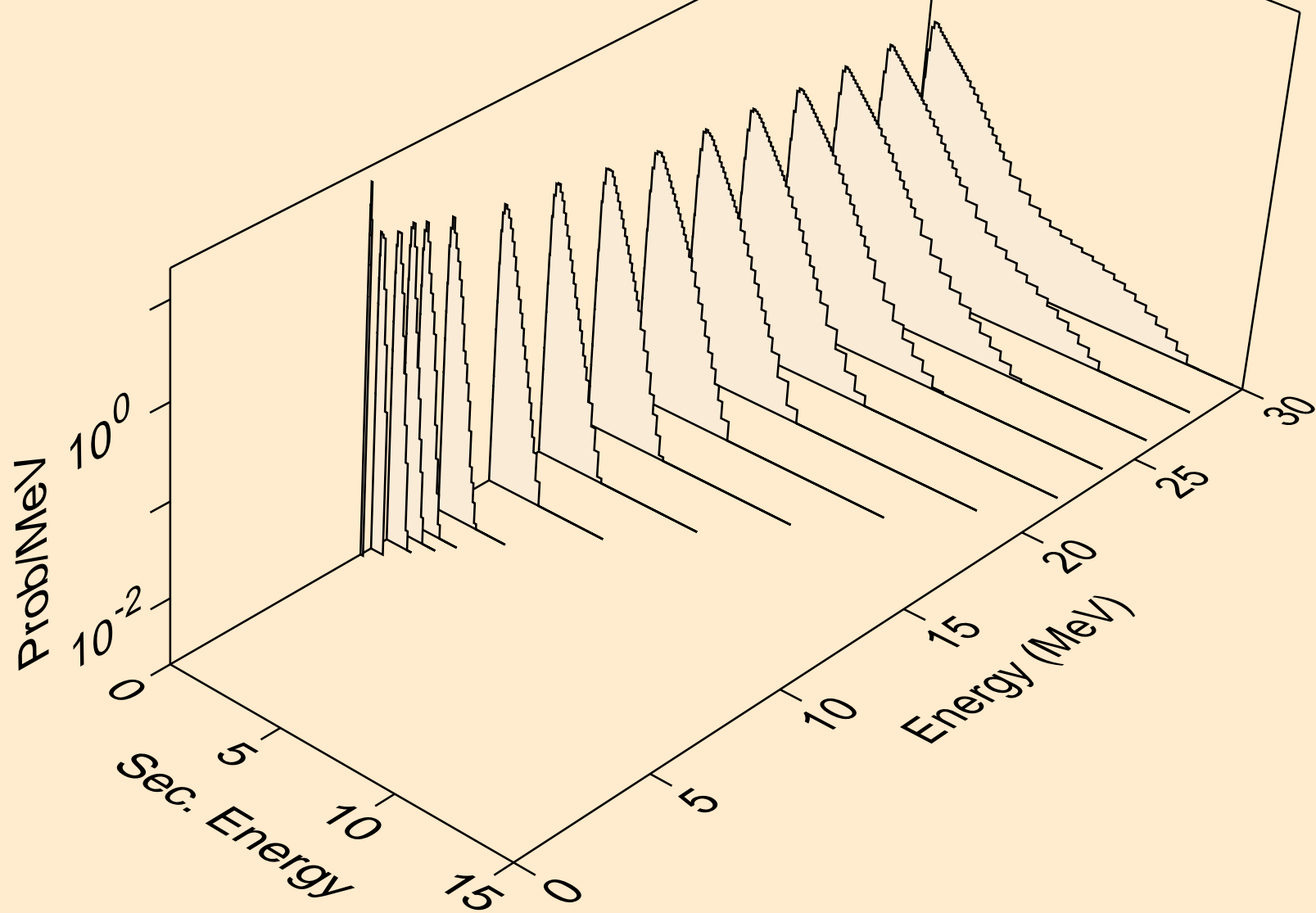
TC090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)



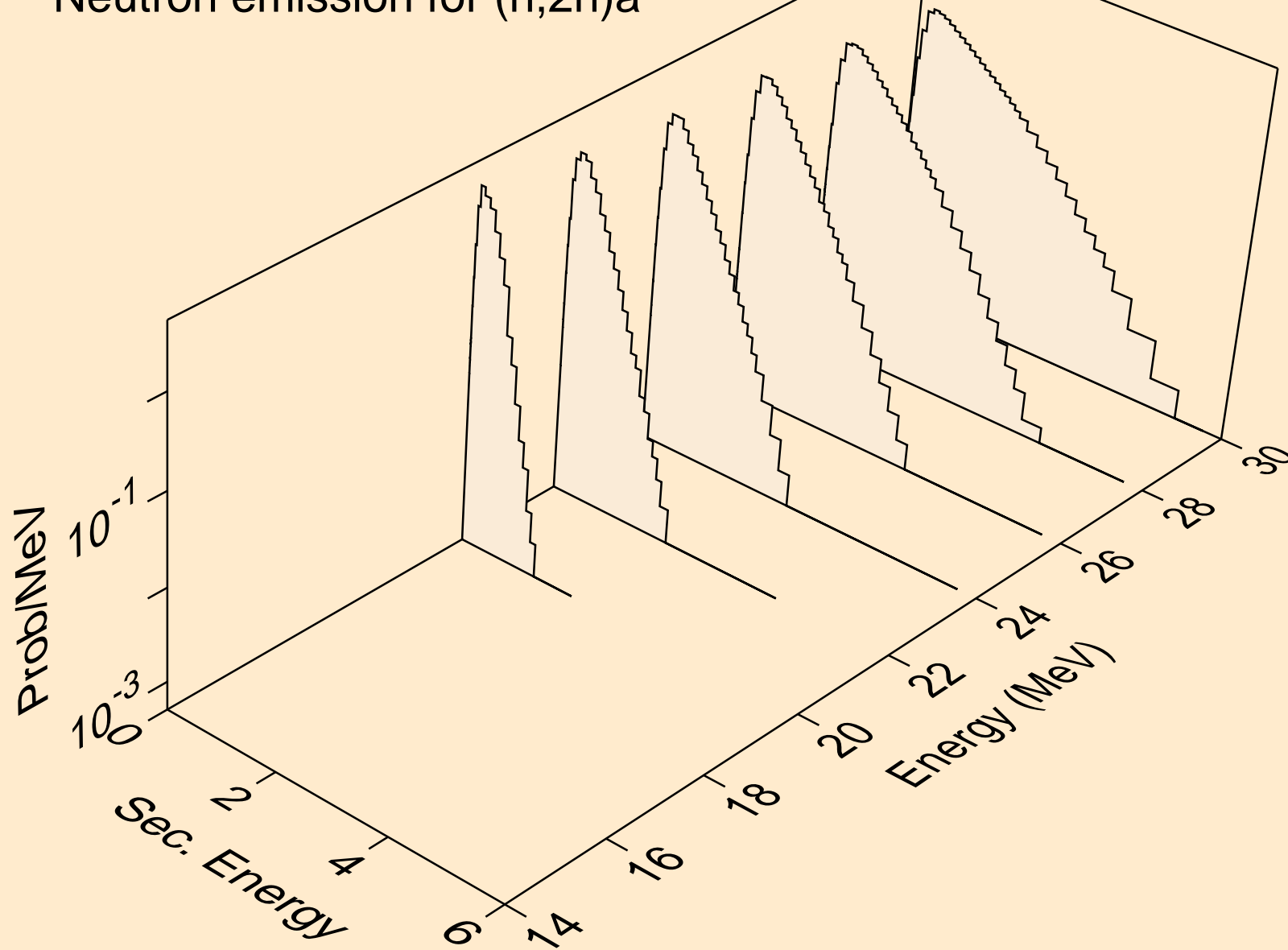
TC090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)



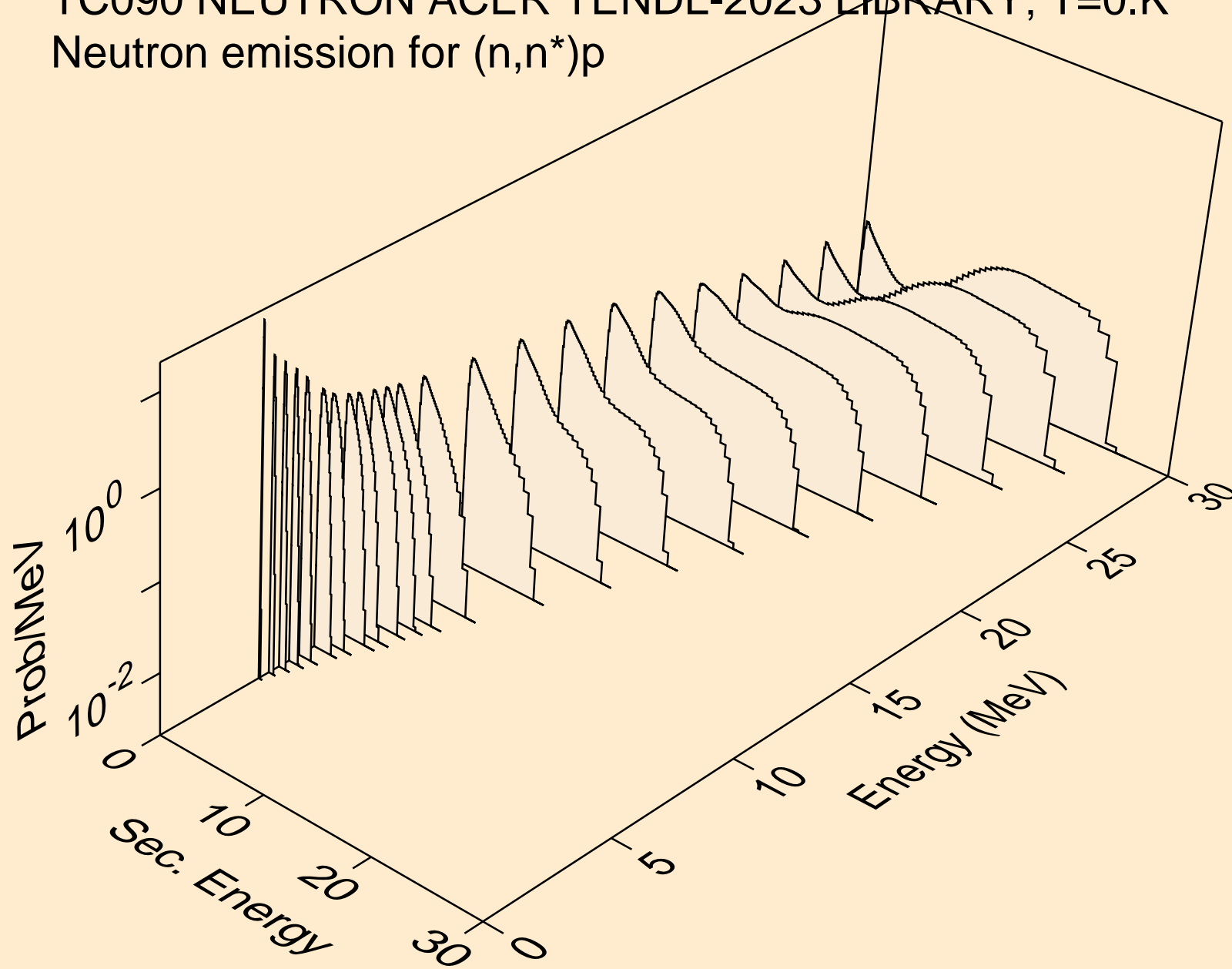
TC090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



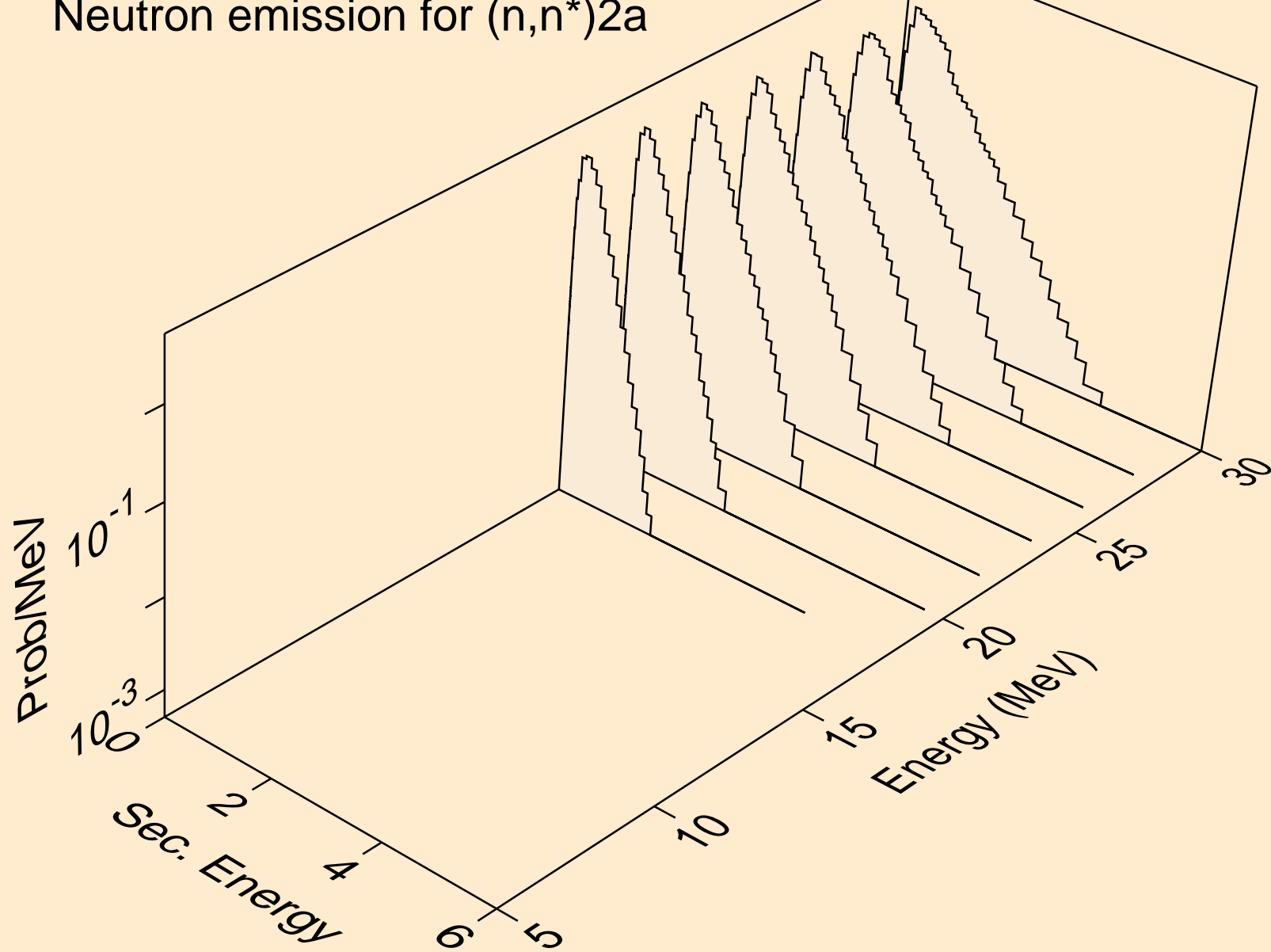
TC090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)a



TC090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p

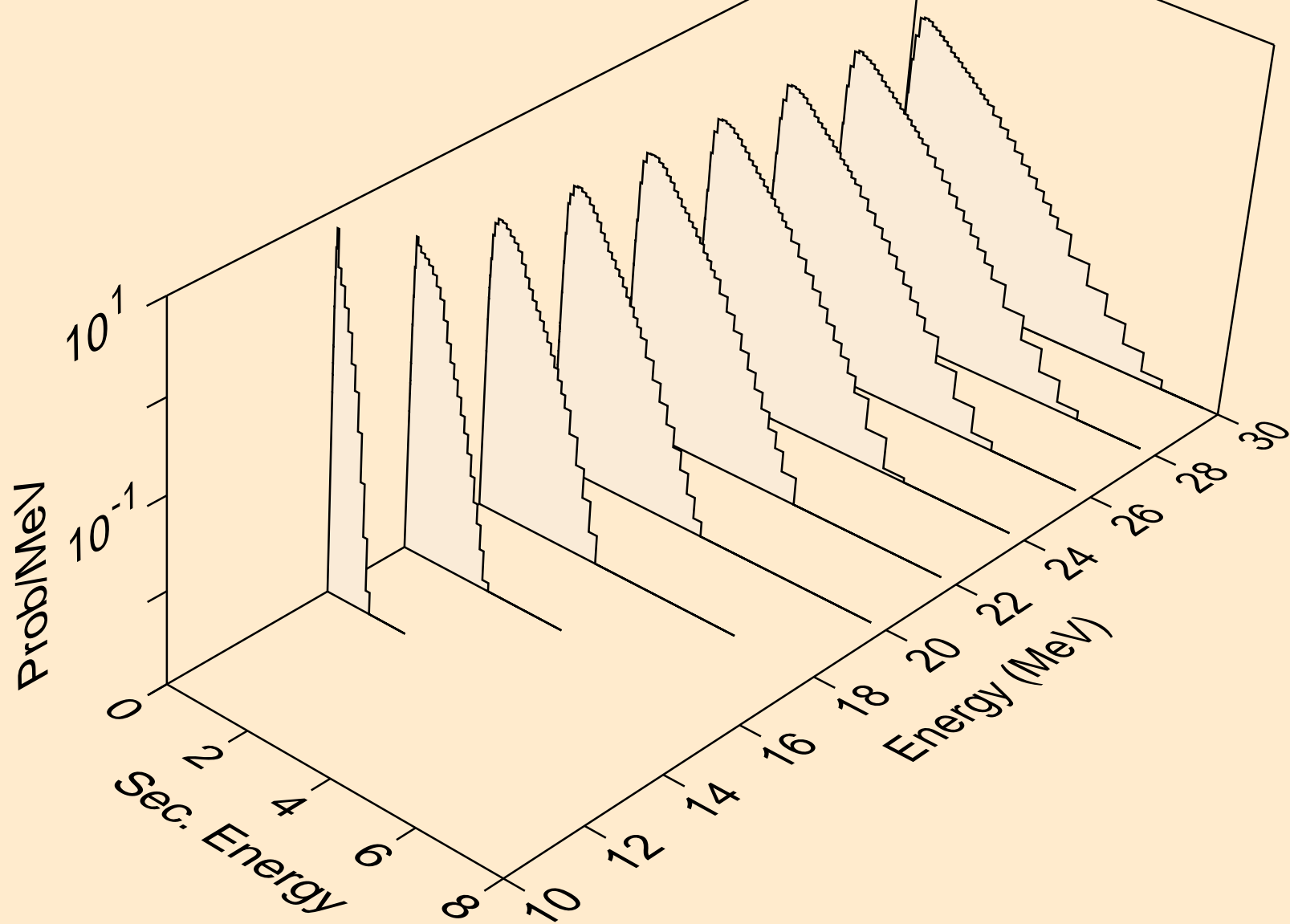


TC090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)2a

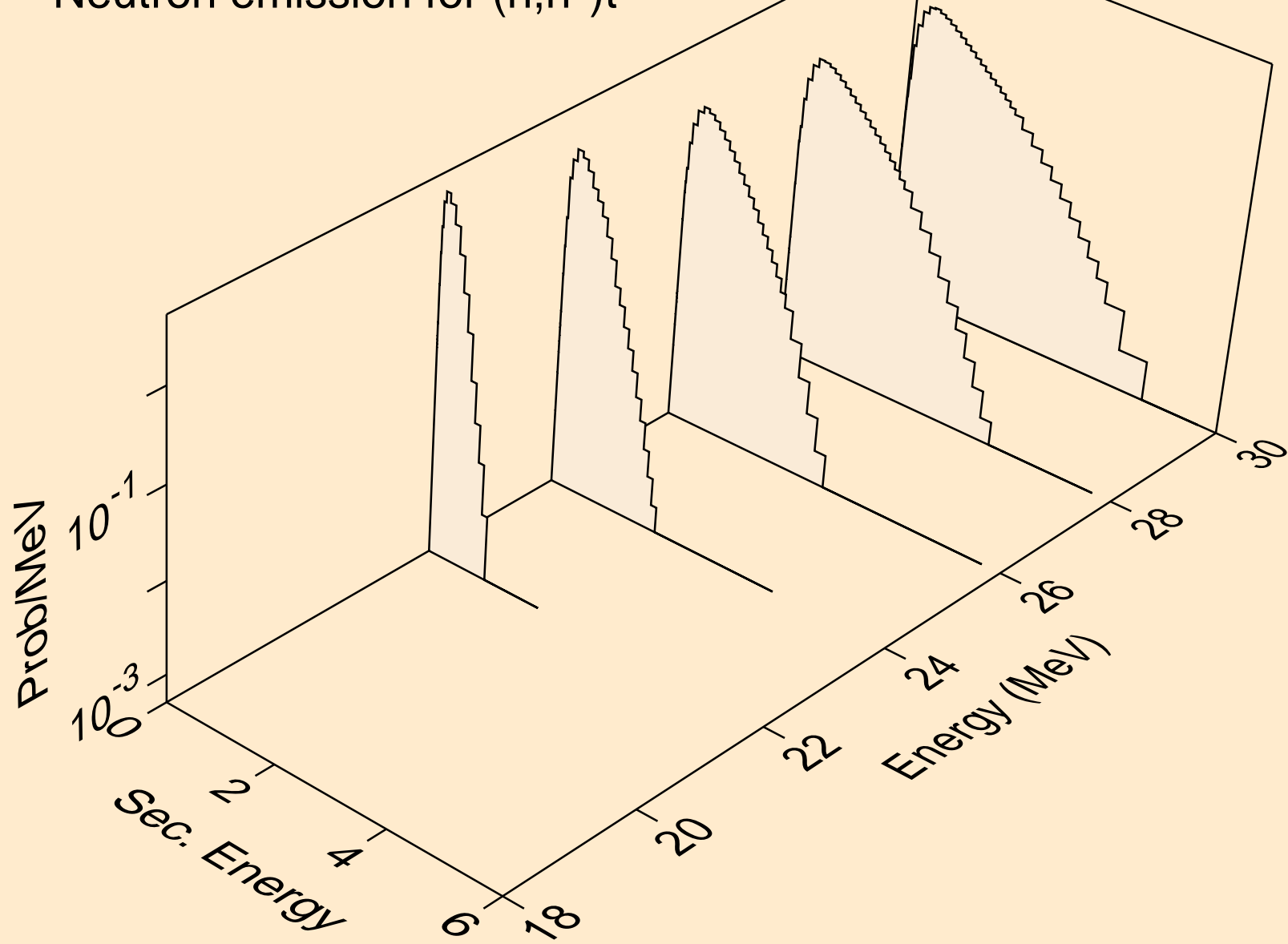




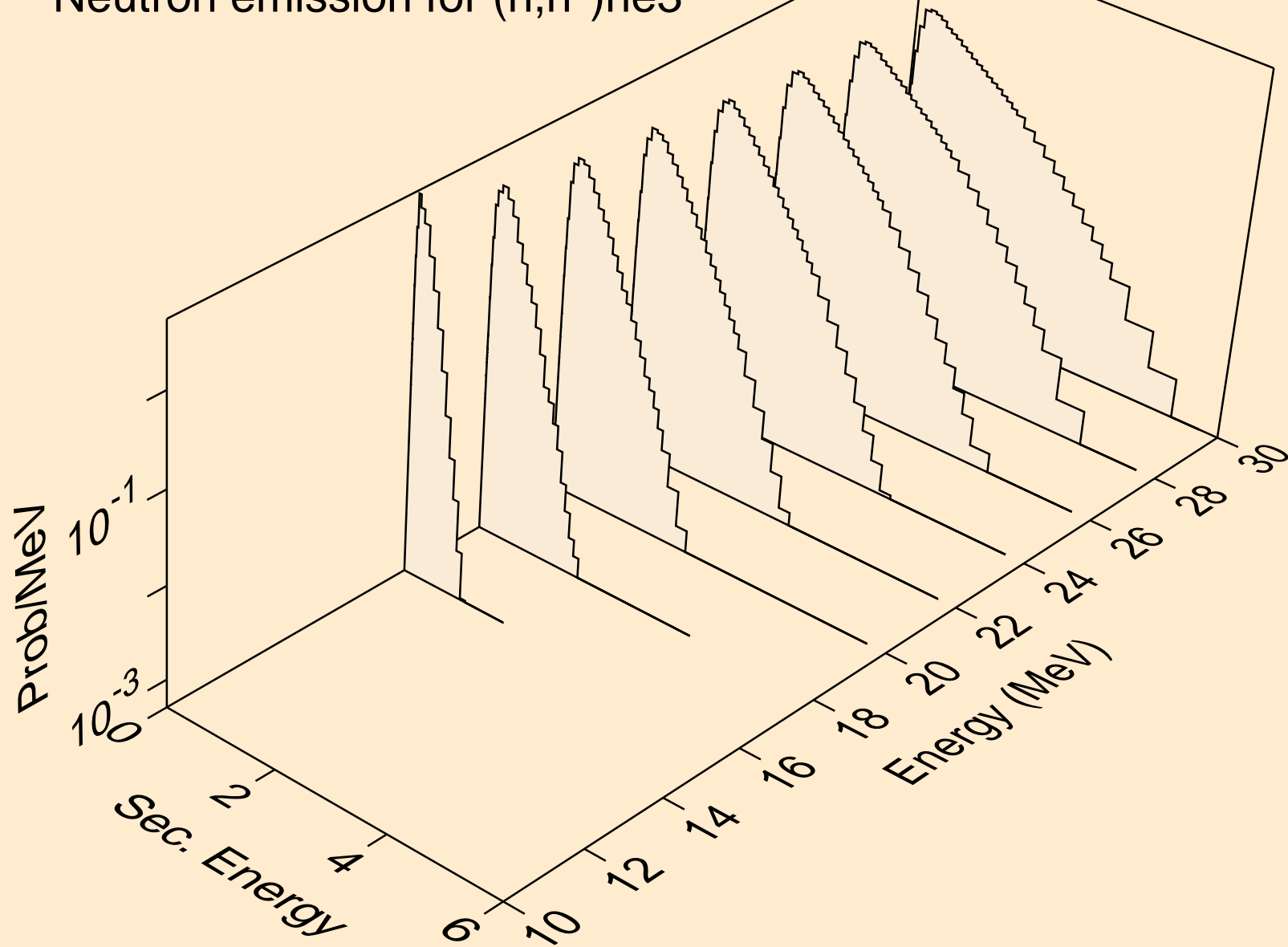
TC090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d



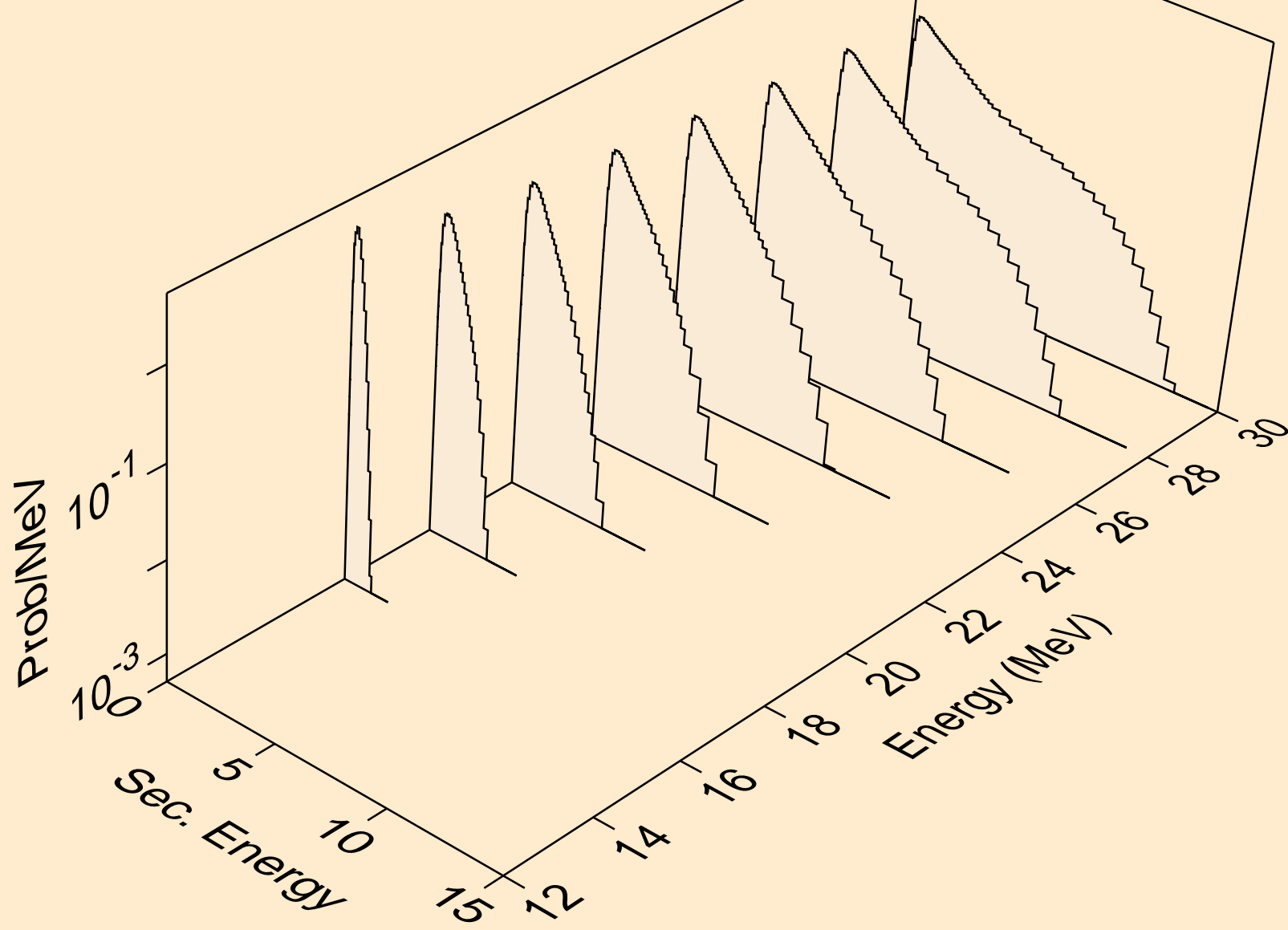
TC090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



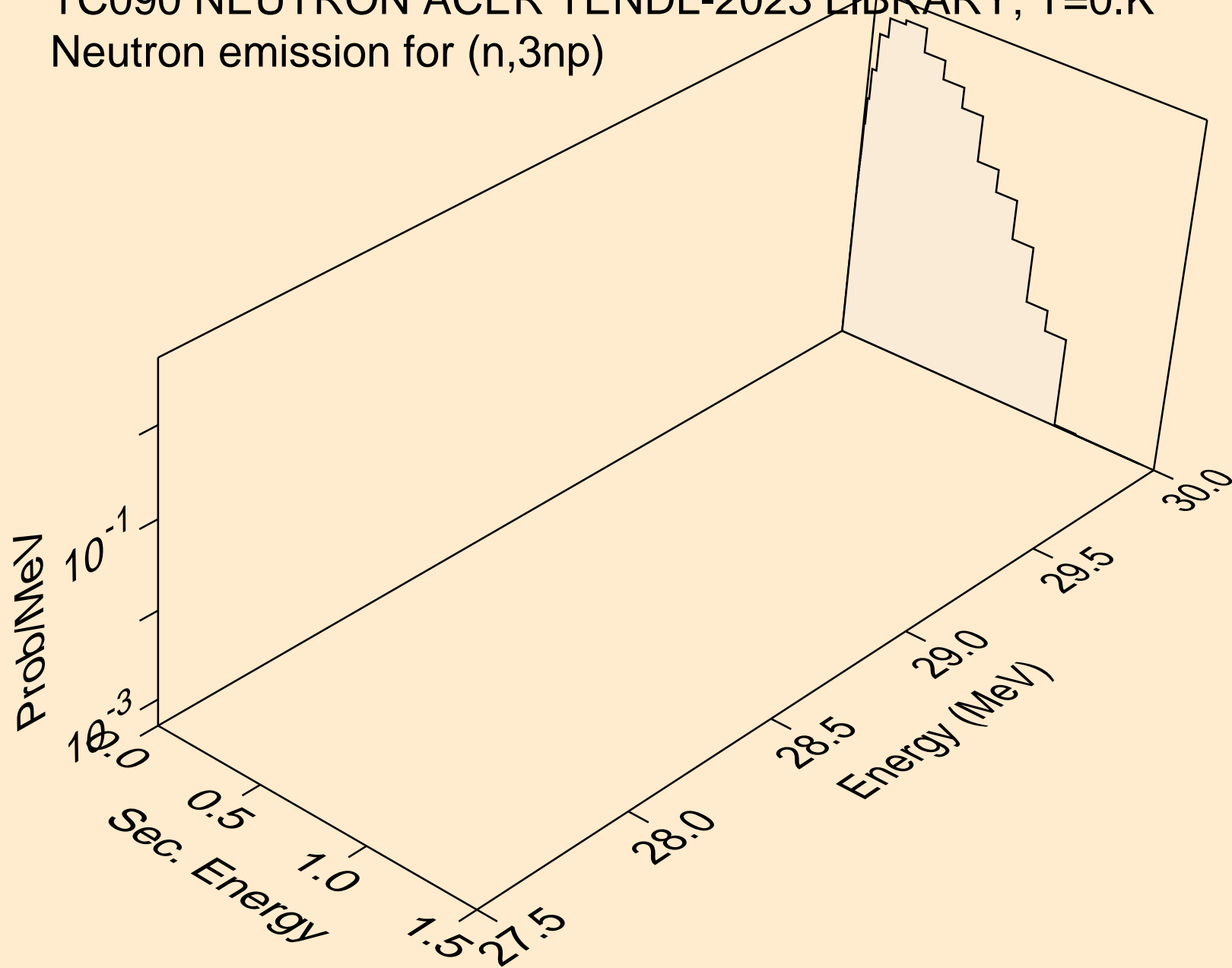
TC090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



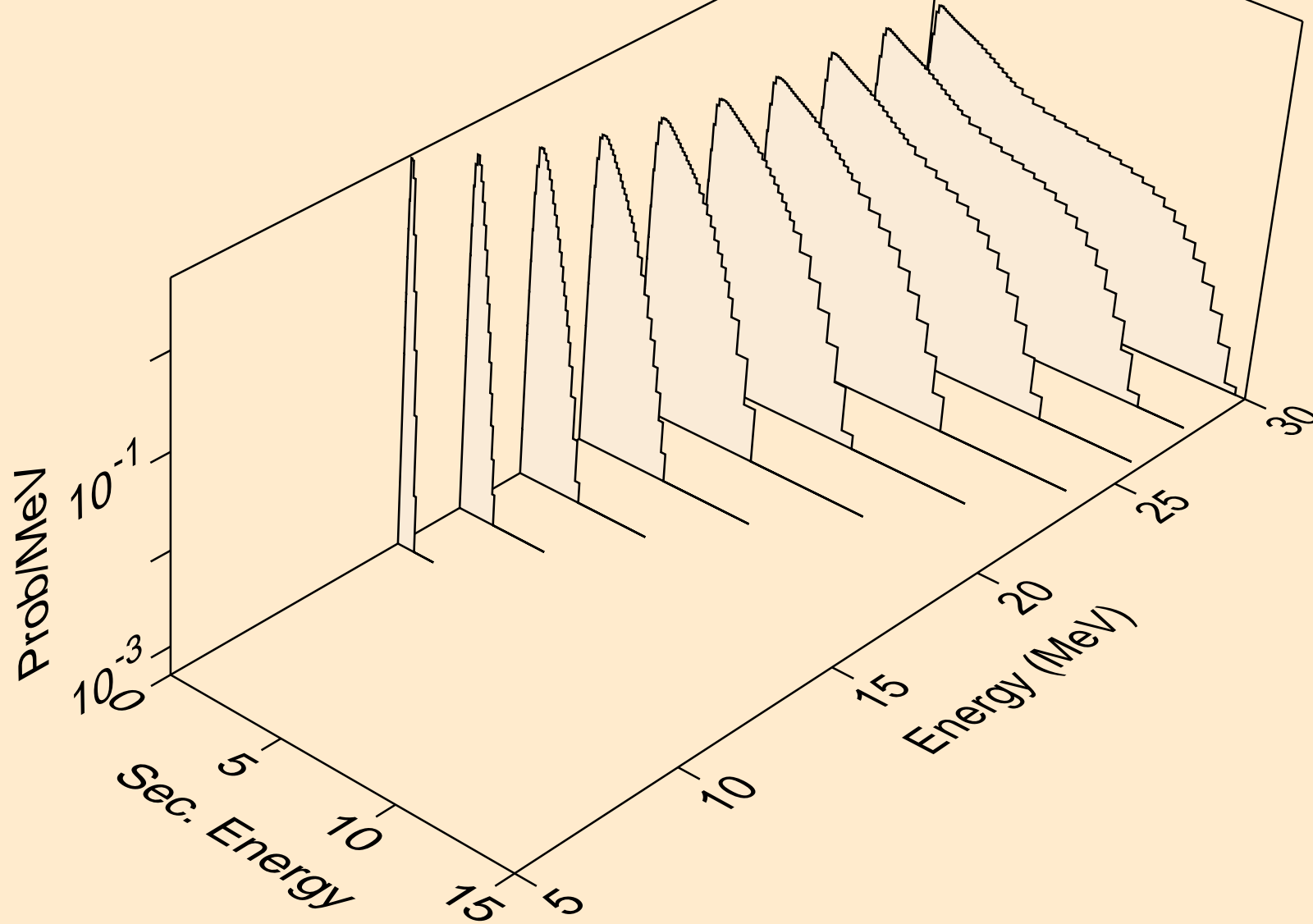
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Neutron emission for (n,2np)



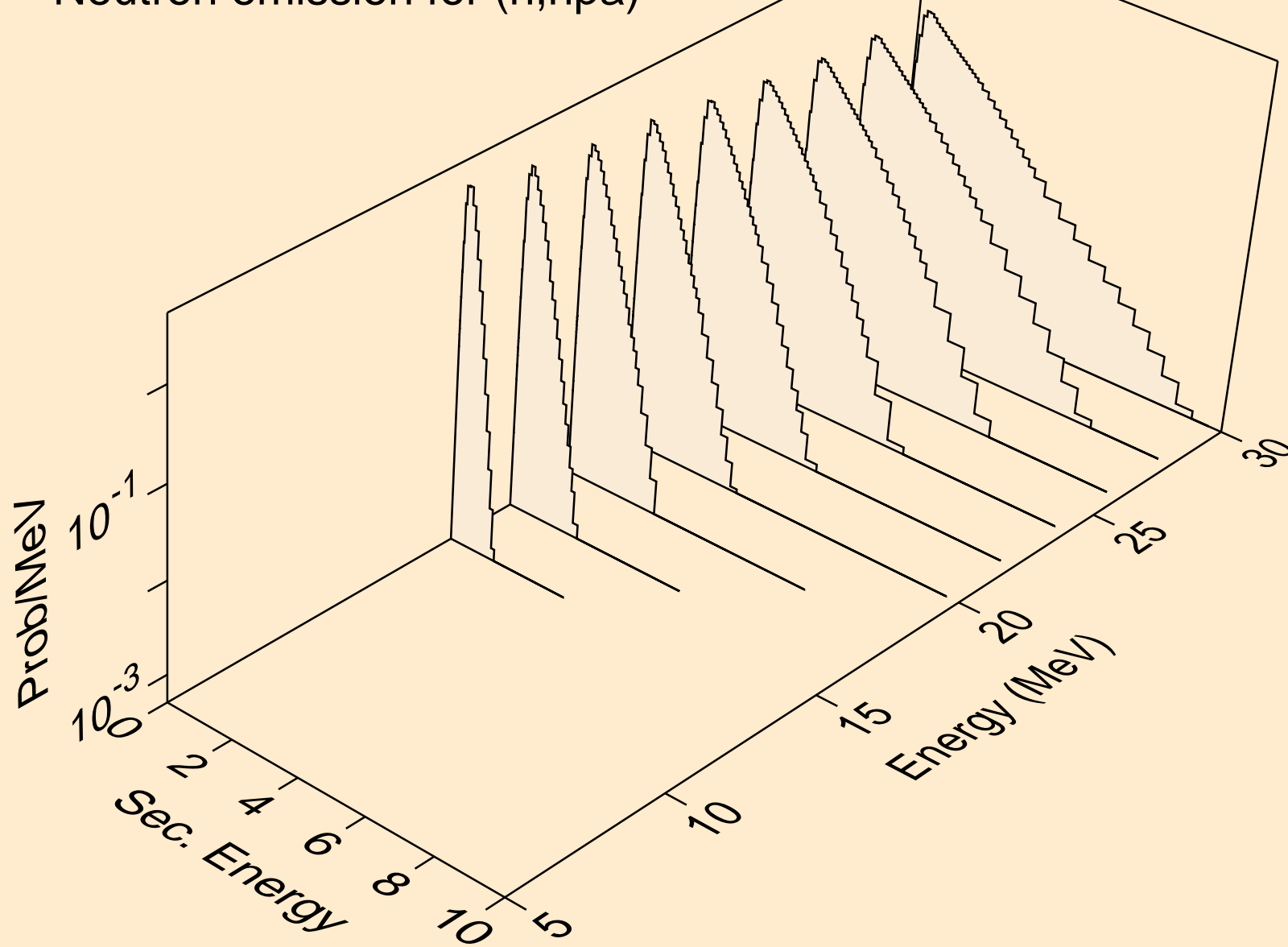
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Neutron emission for (n,3np)



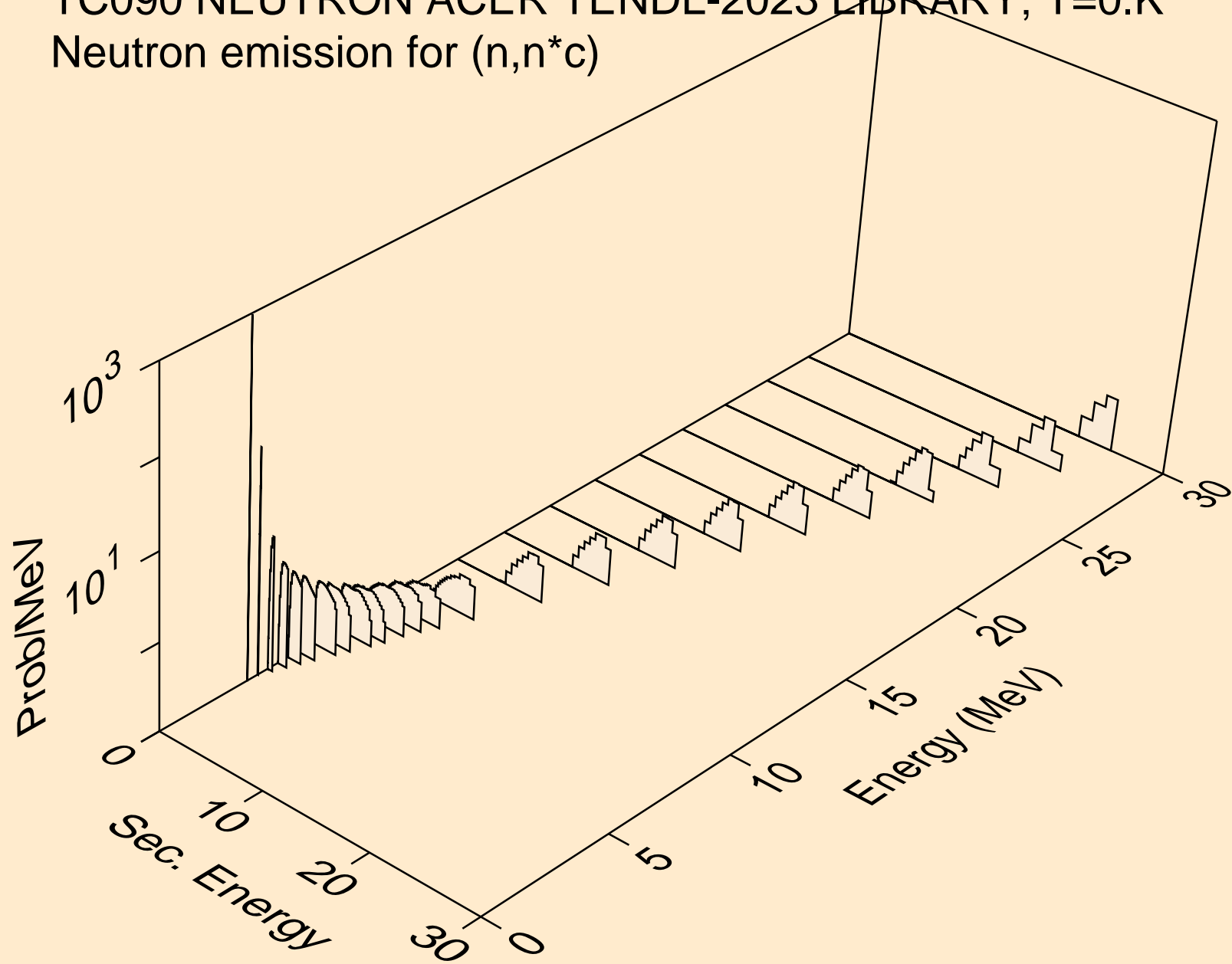
TC090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n2p)



TC090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,npa)

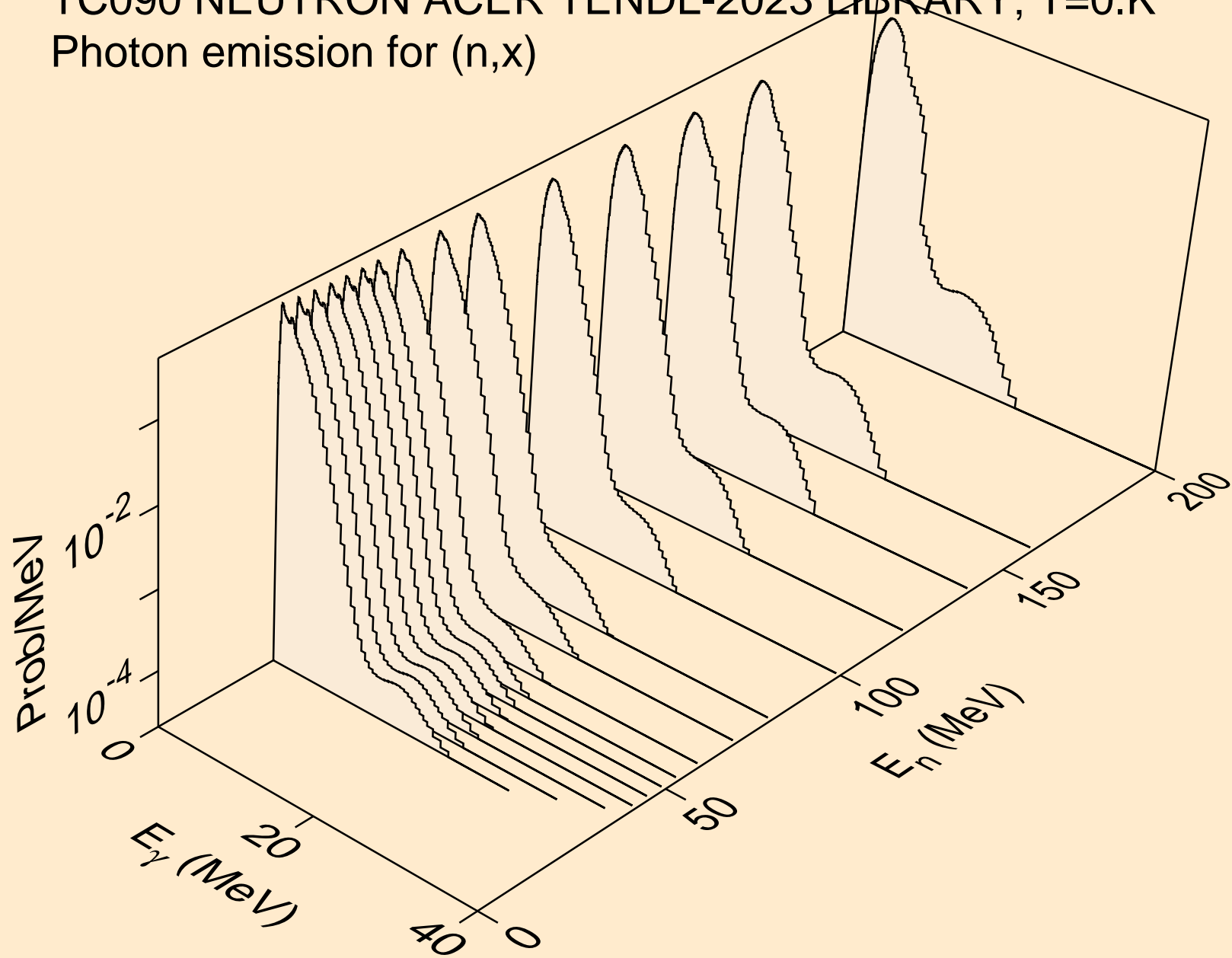


TC090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)

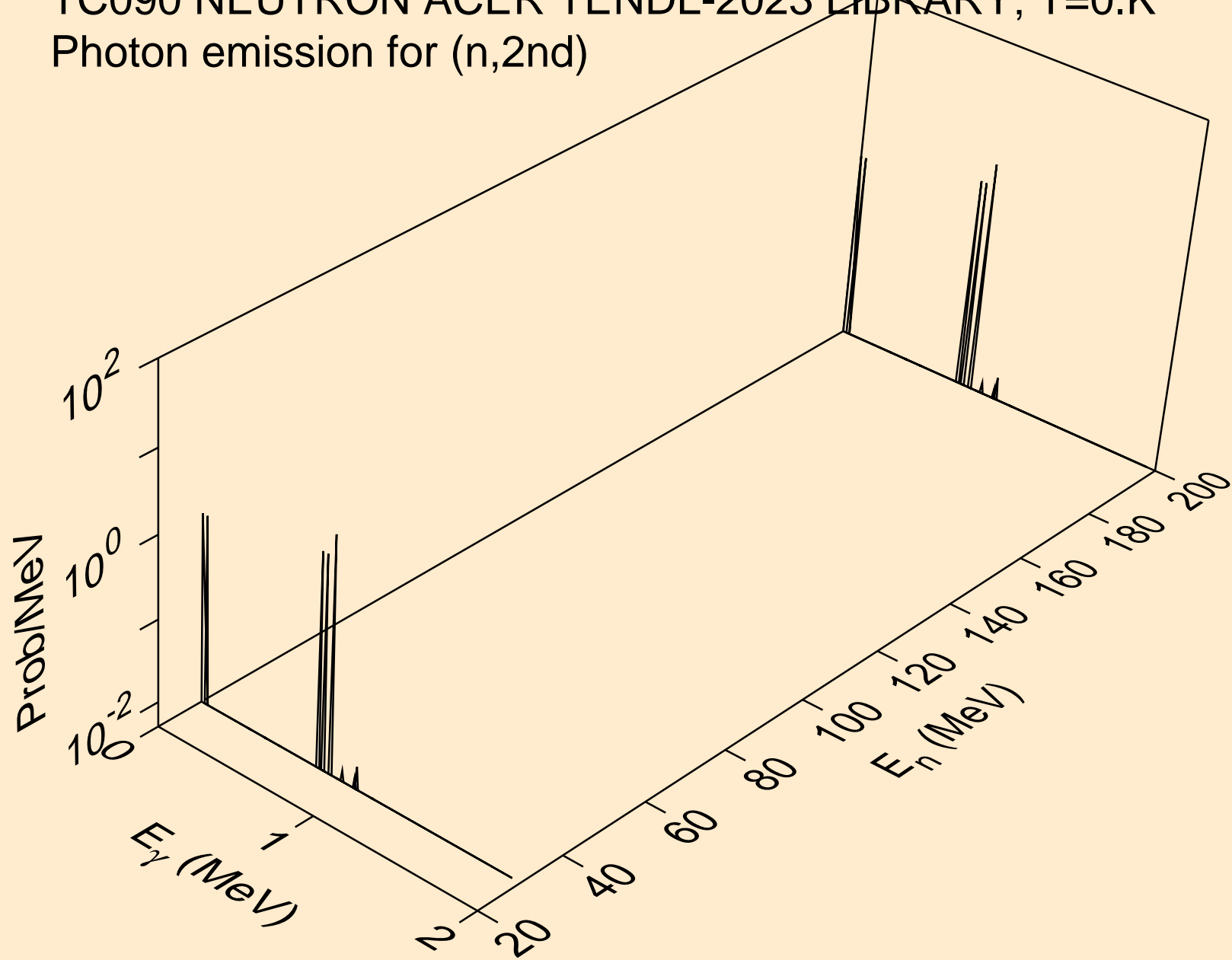




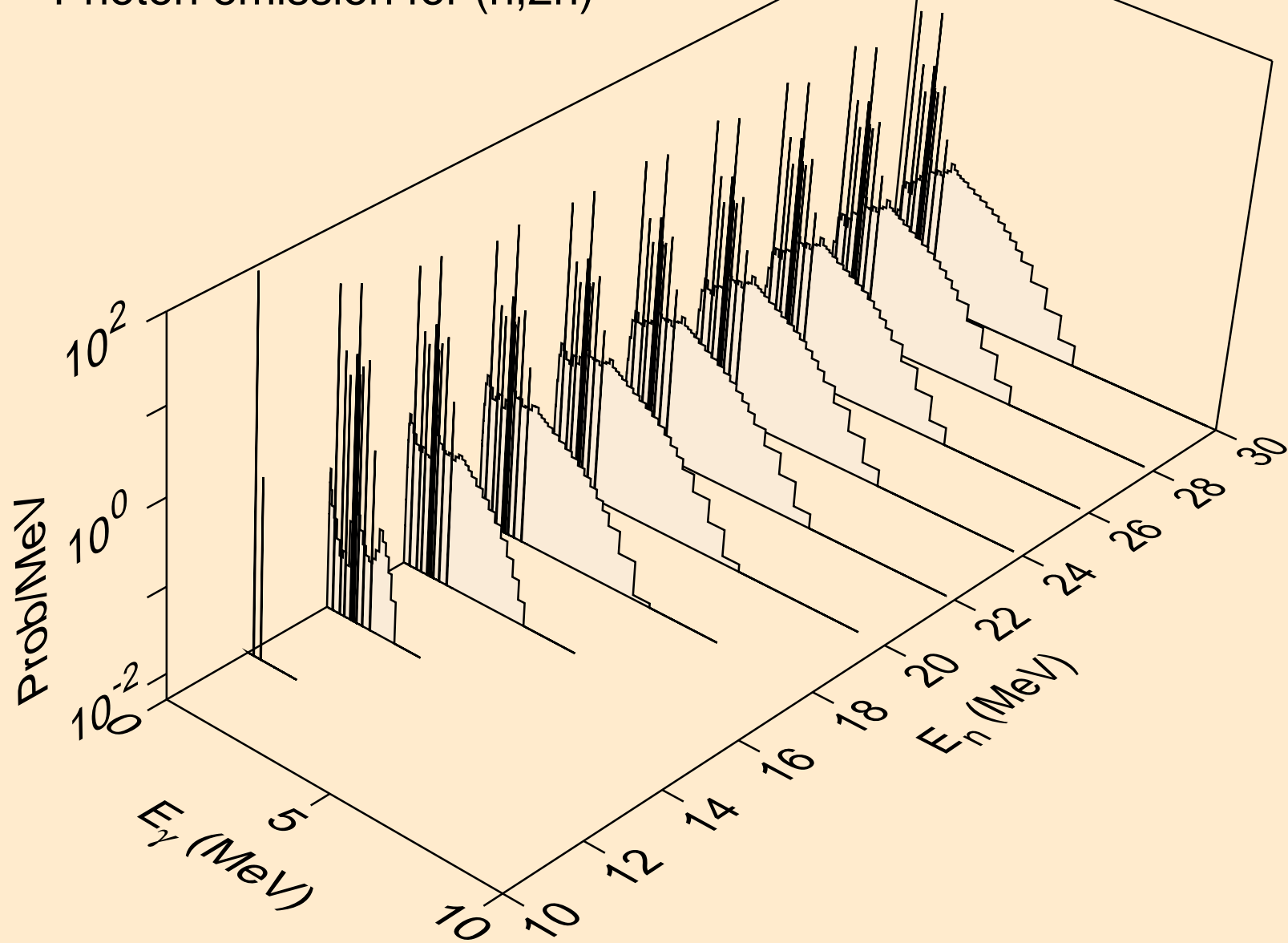
TC090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,x)



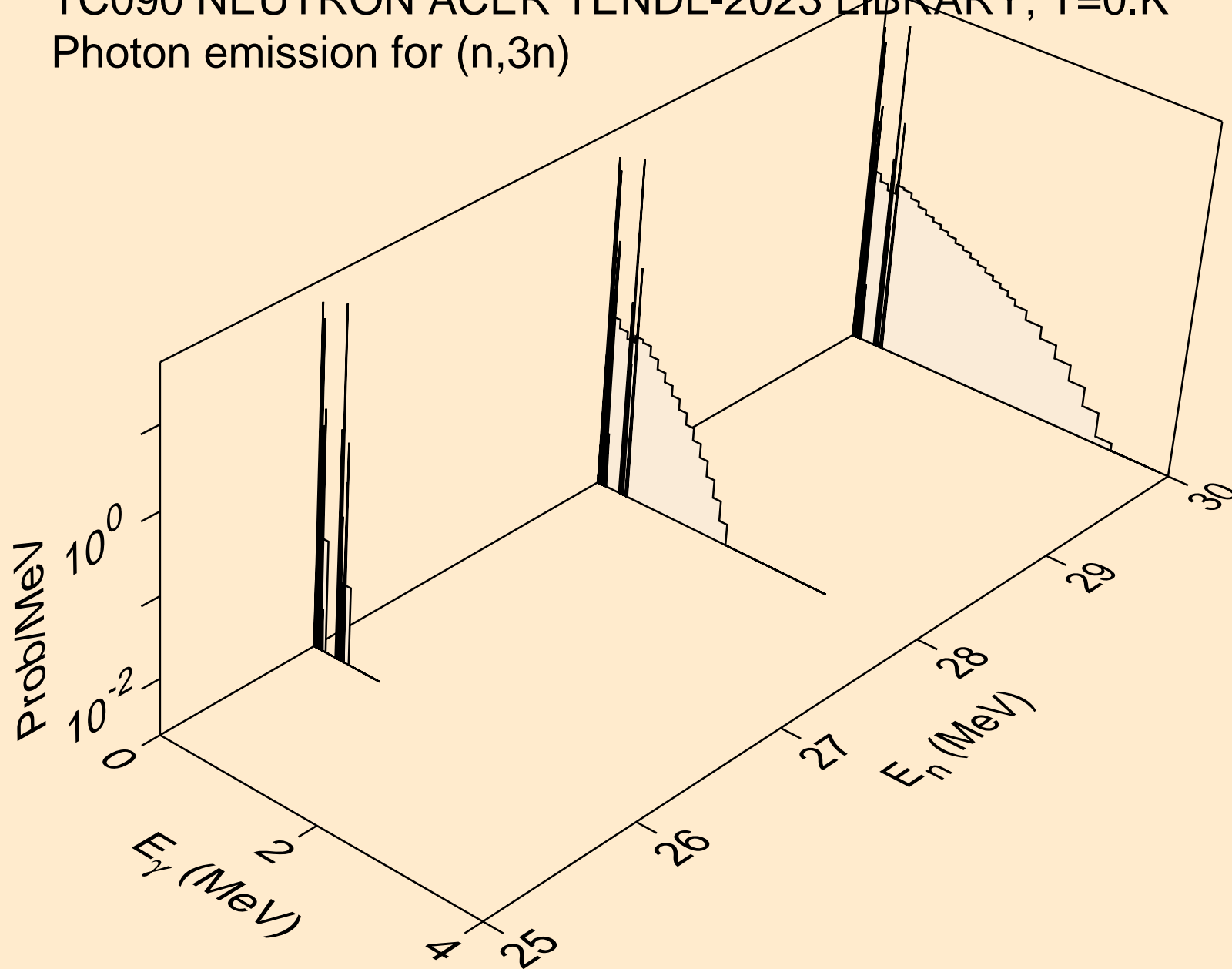
TC090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



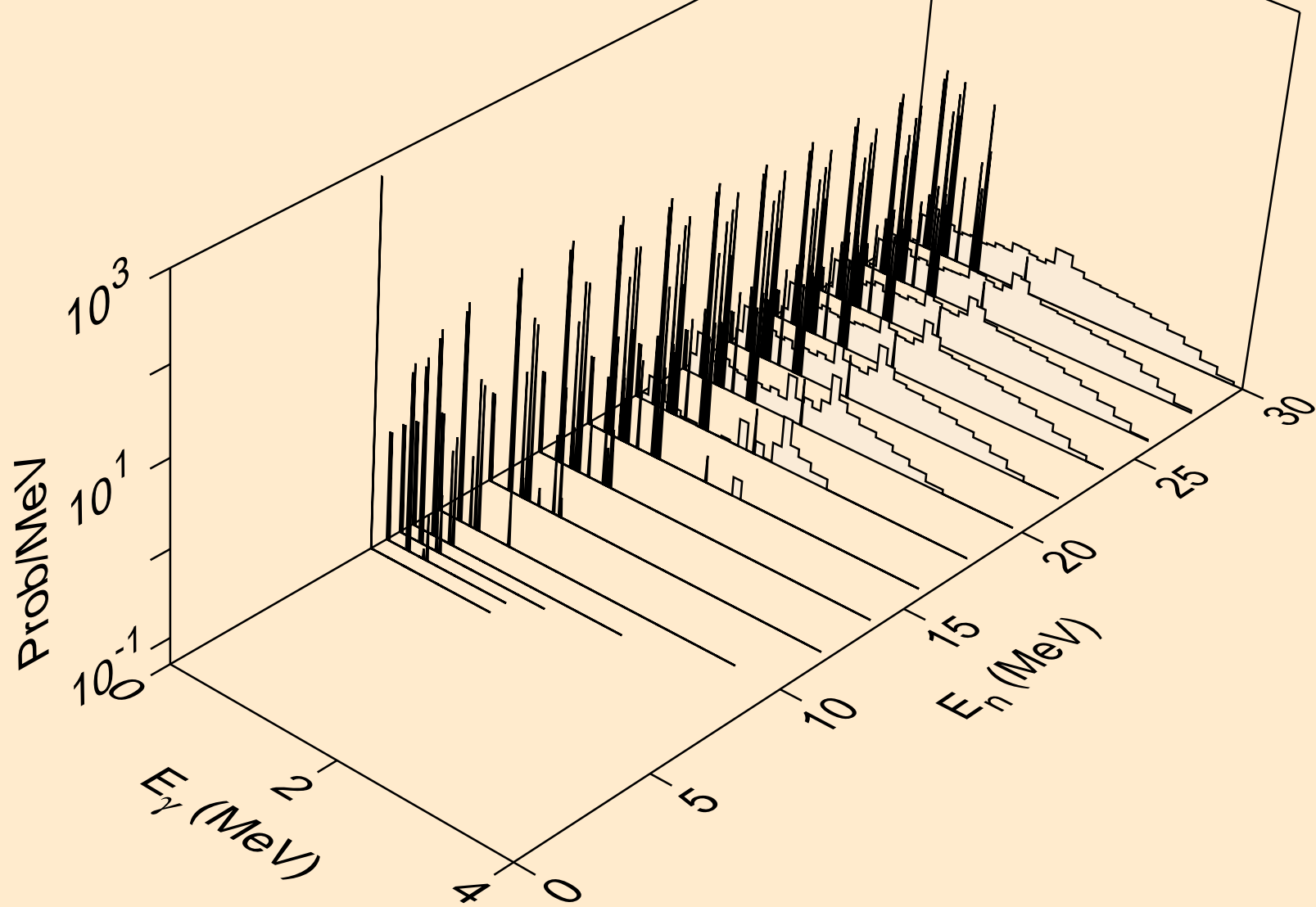
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Photon emission for (n,2n)



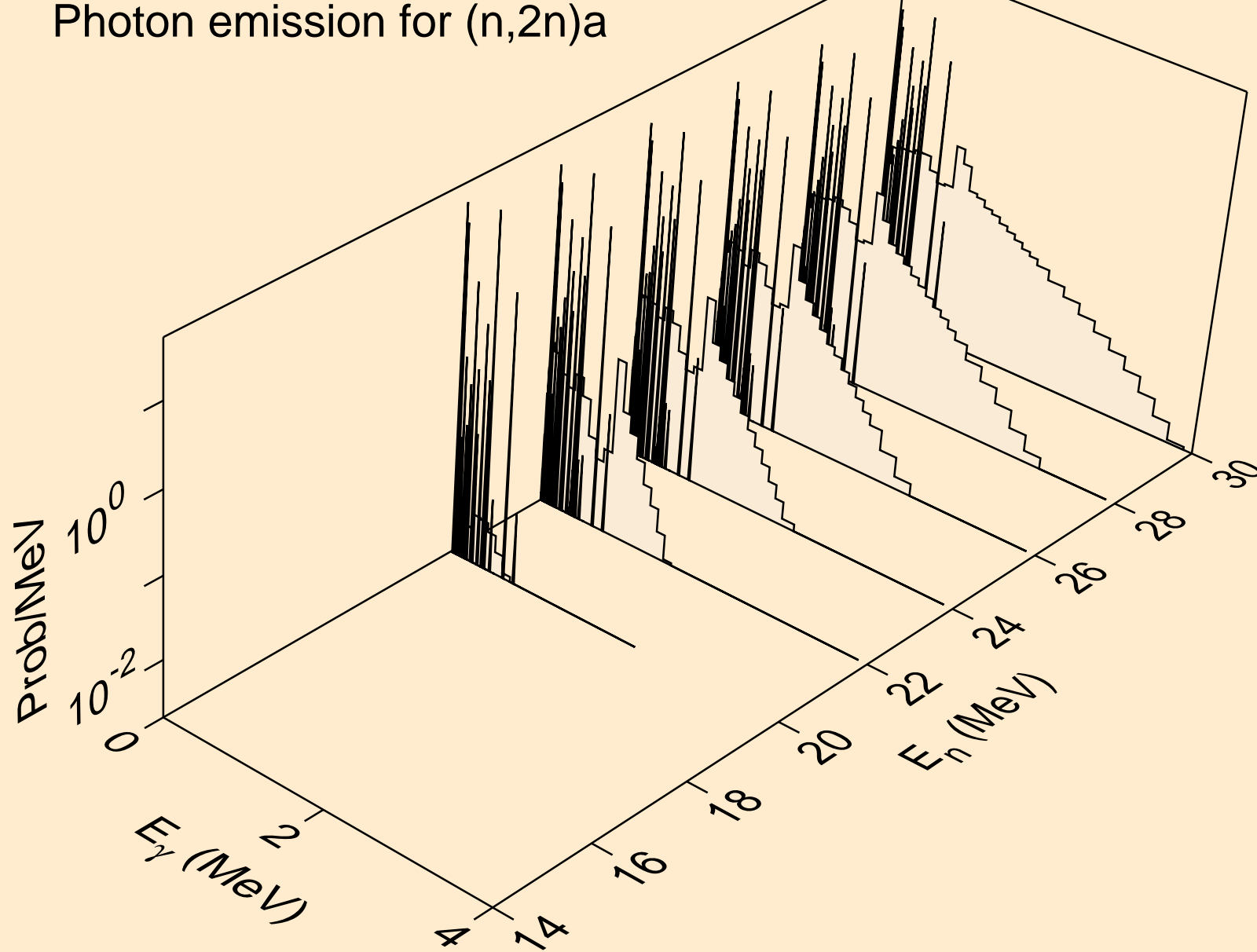
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Photon emission for (n,3n)



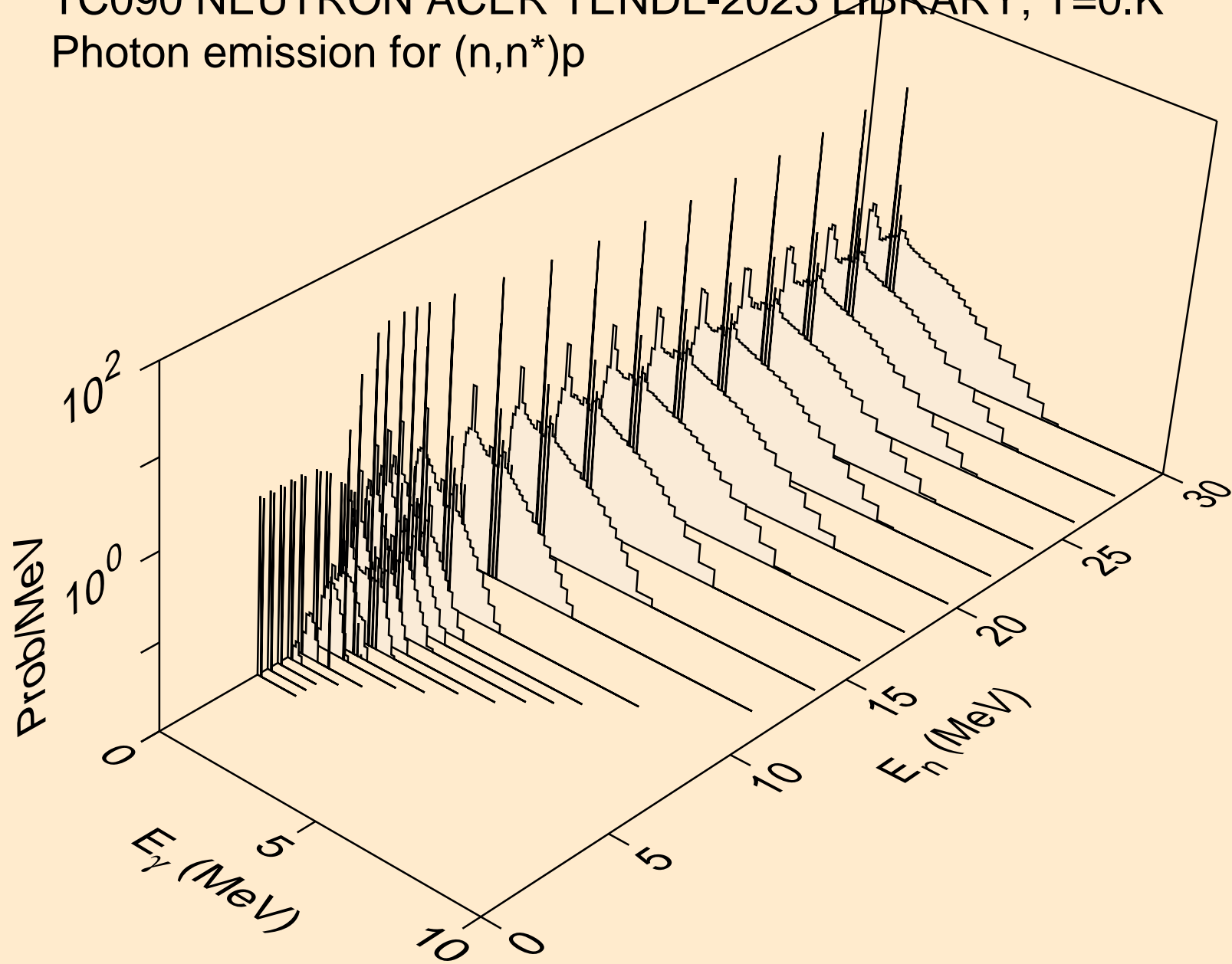
TC090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



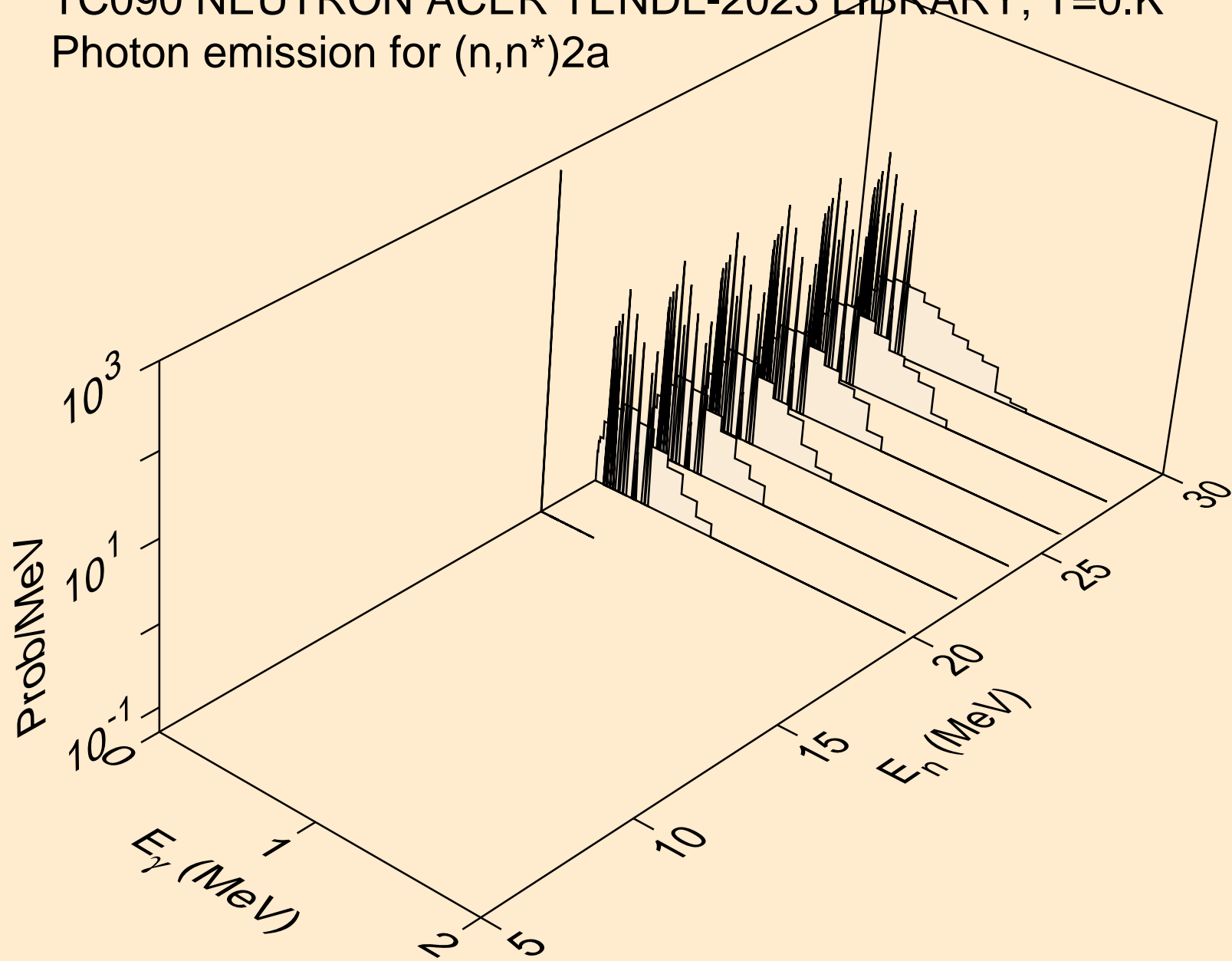
TC090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a



TC090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p

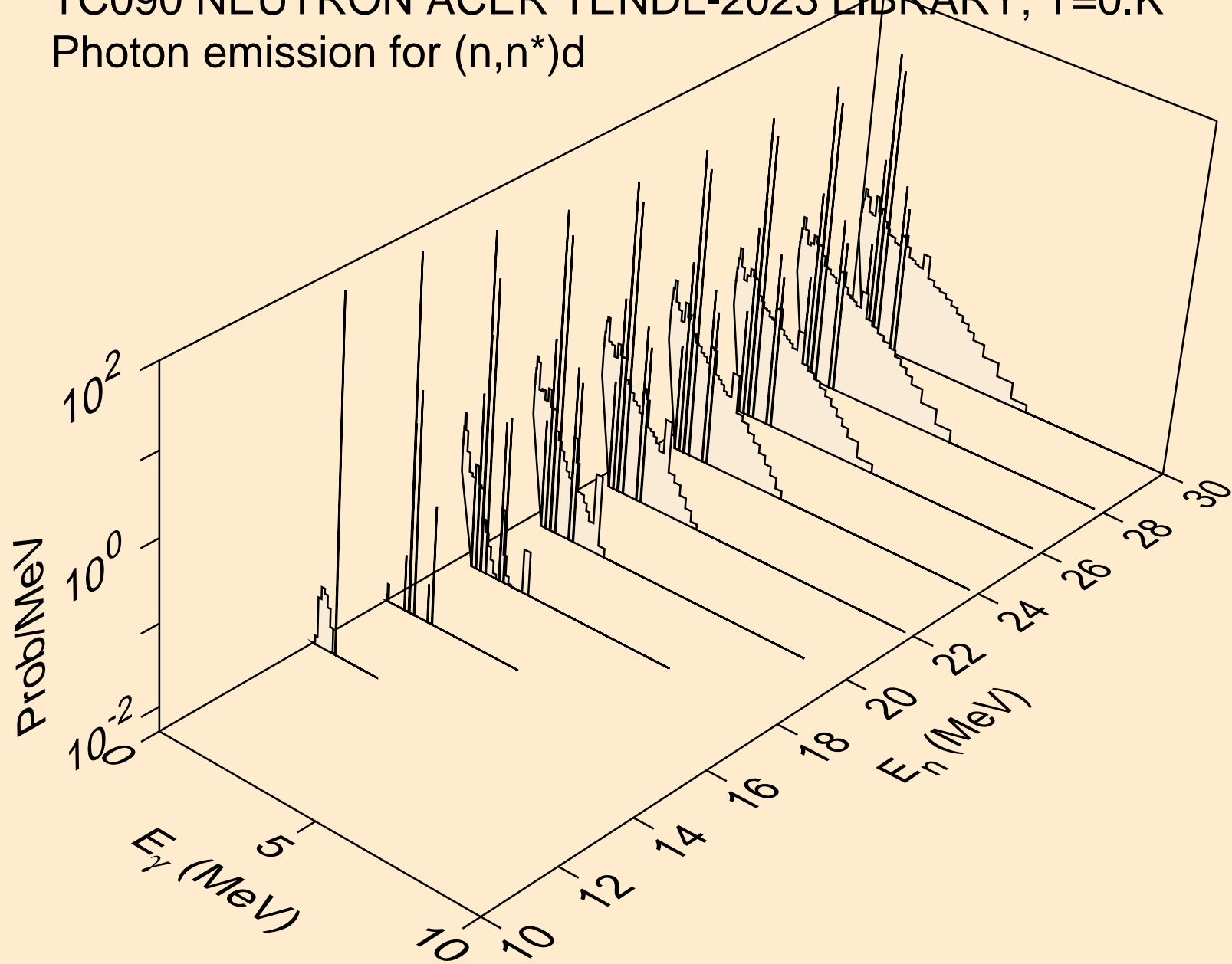


TC090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a

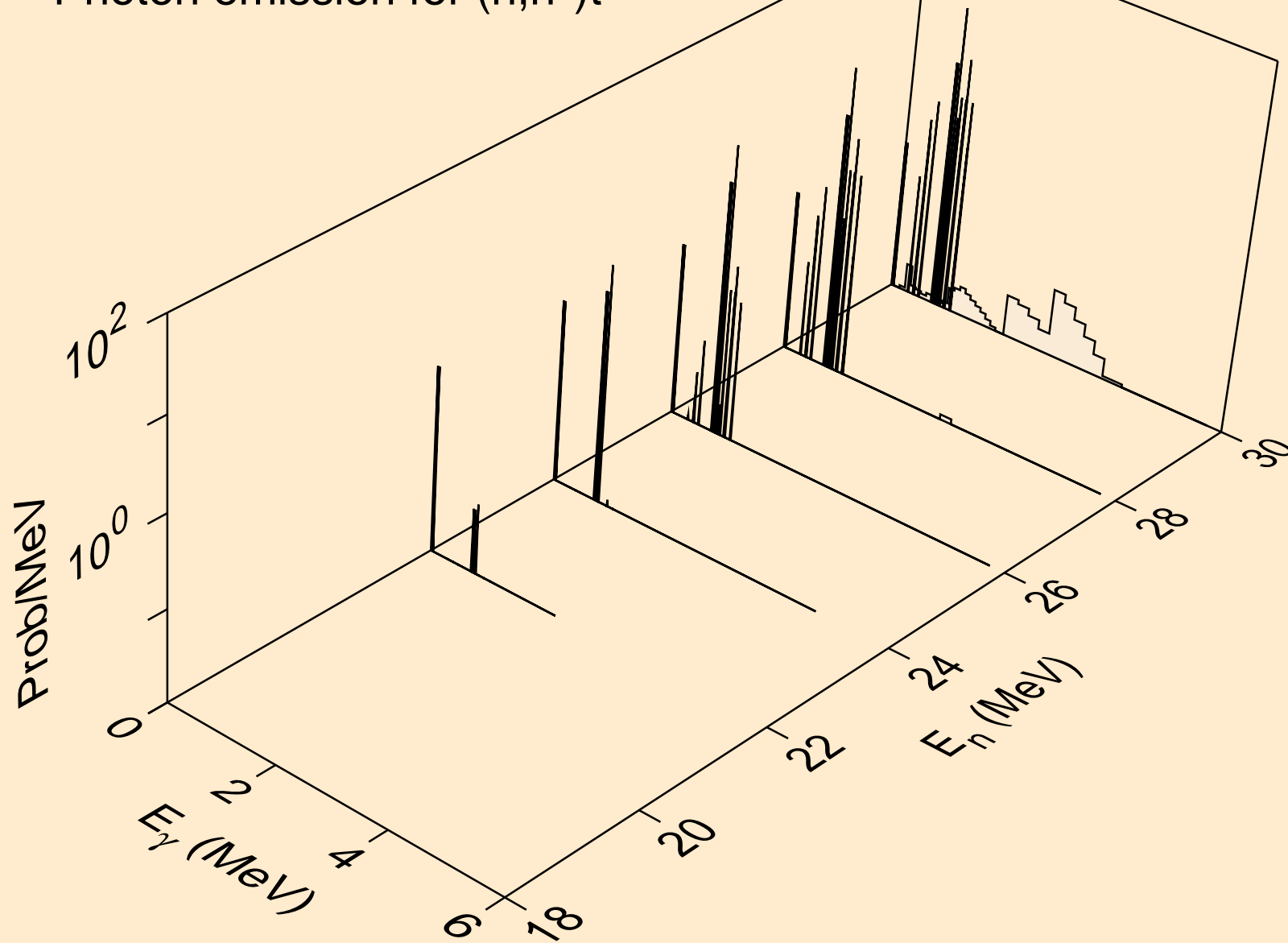




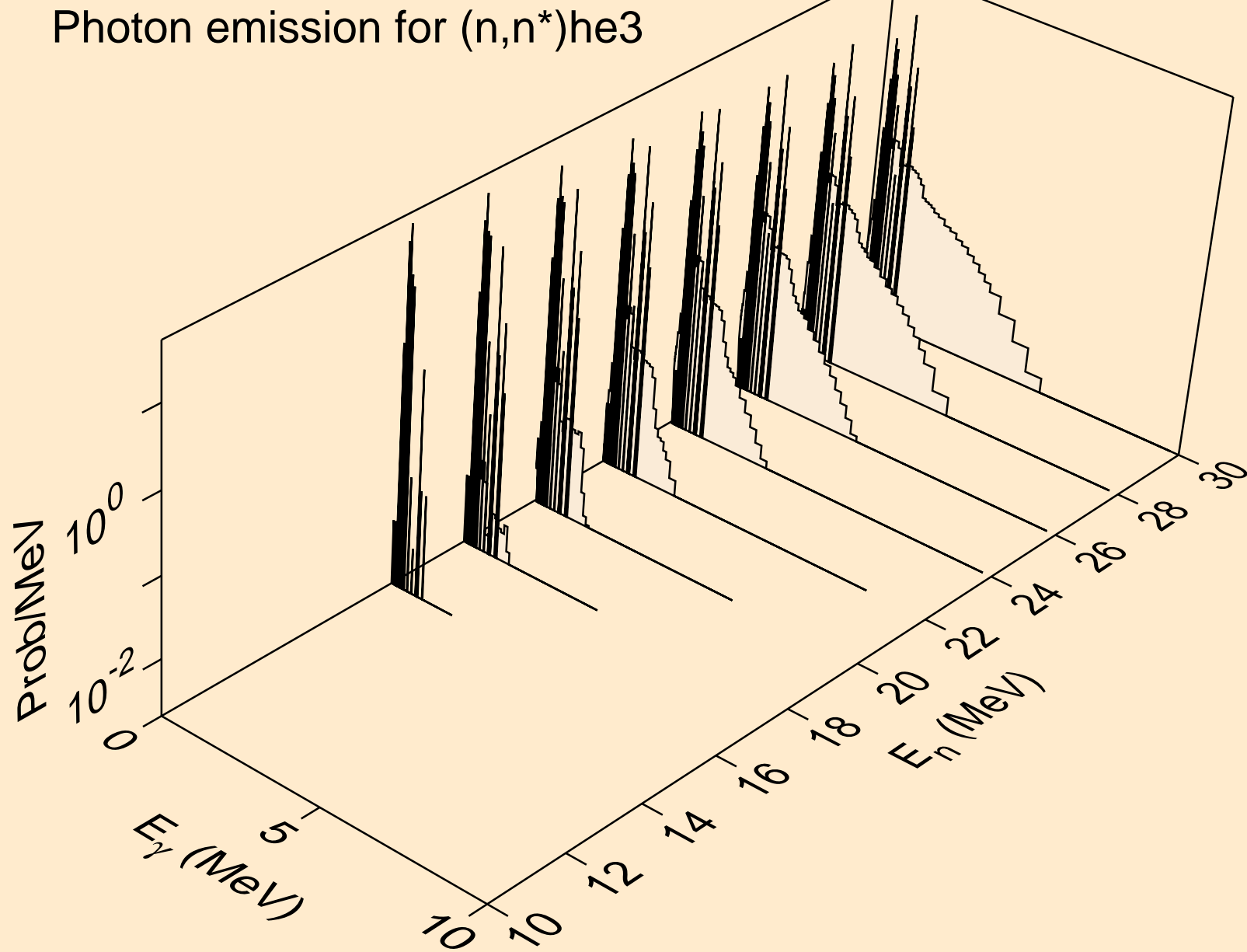
TC090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



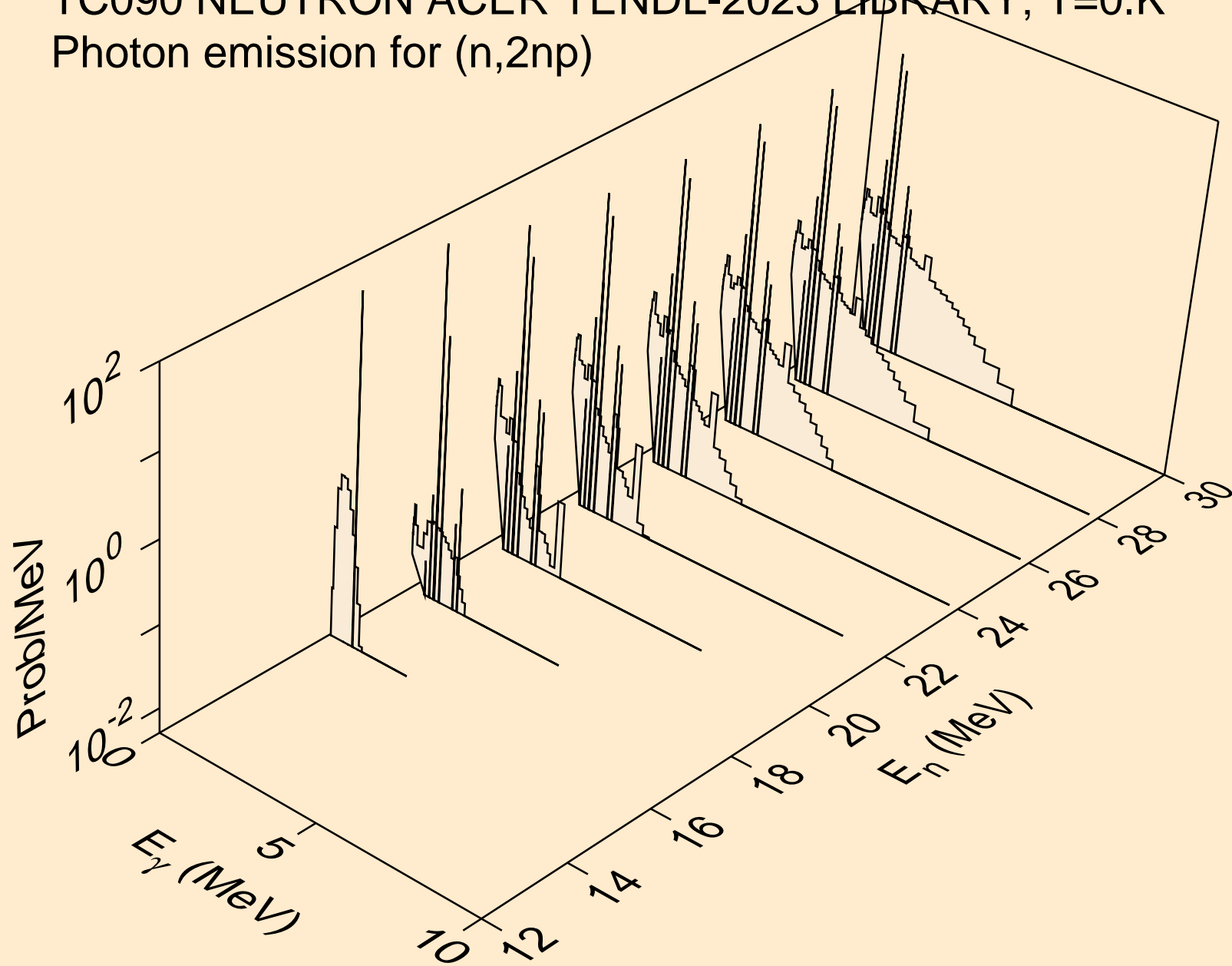
TC090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



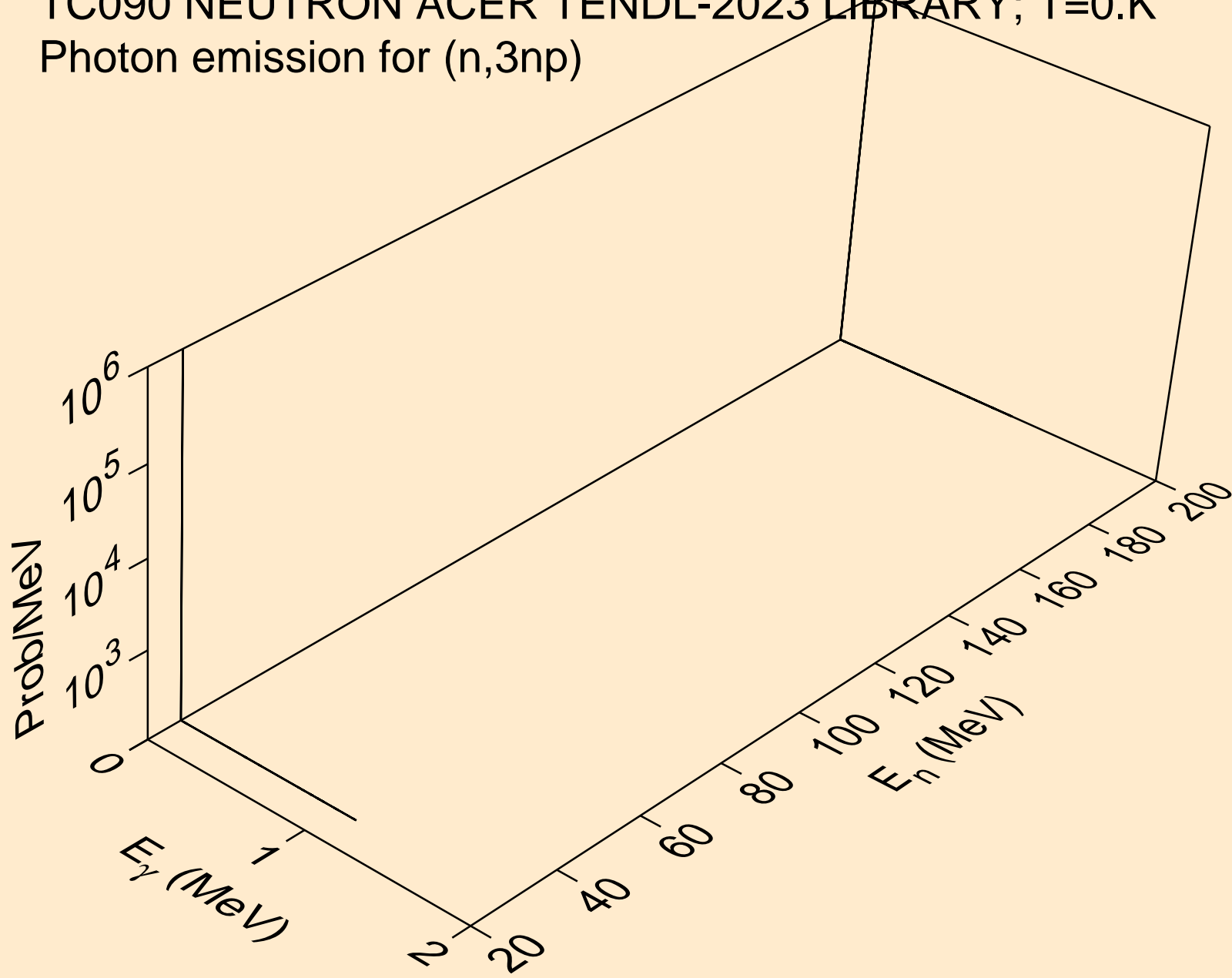
TC090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



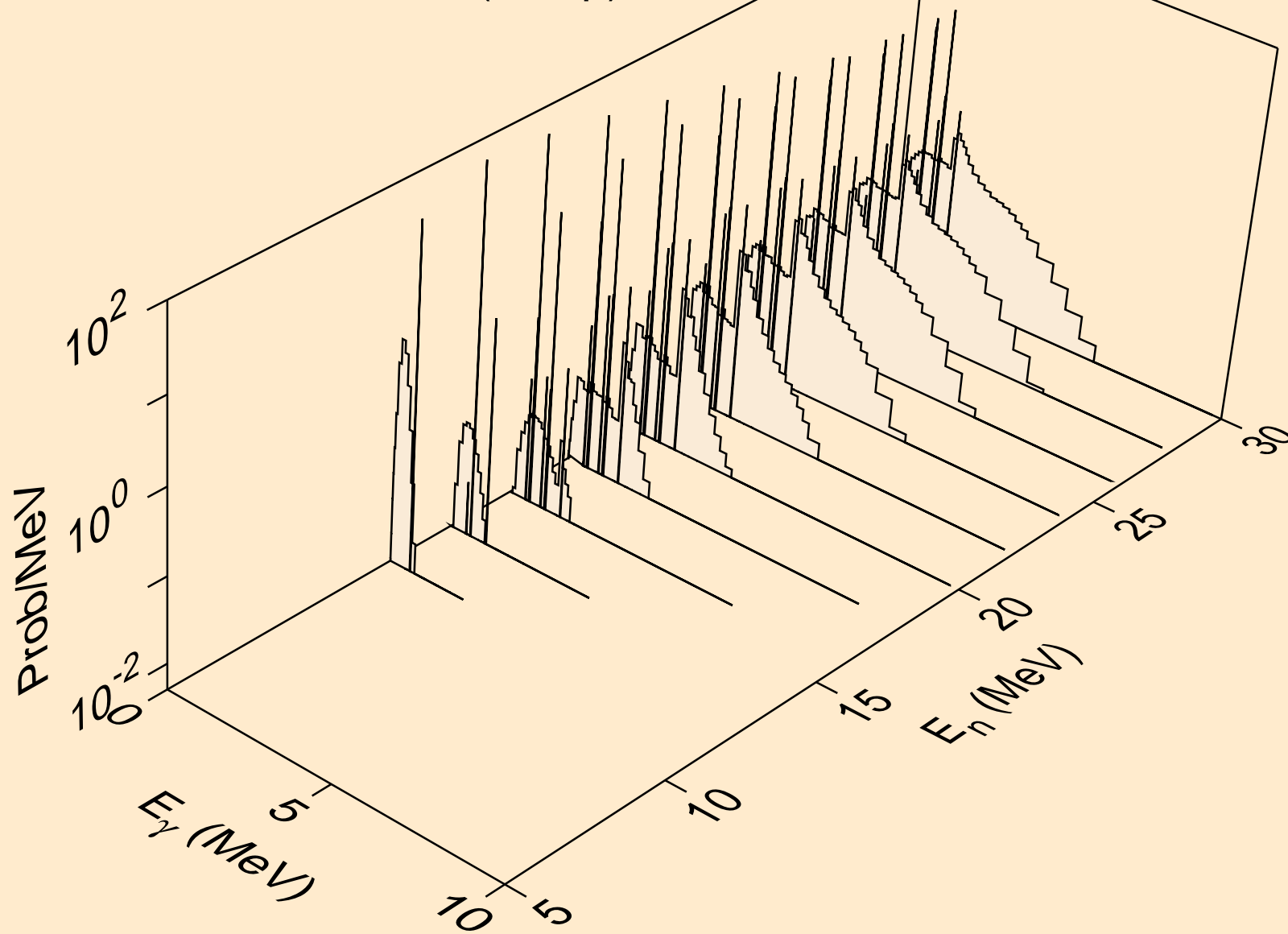
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Photon emission for (n,2np)



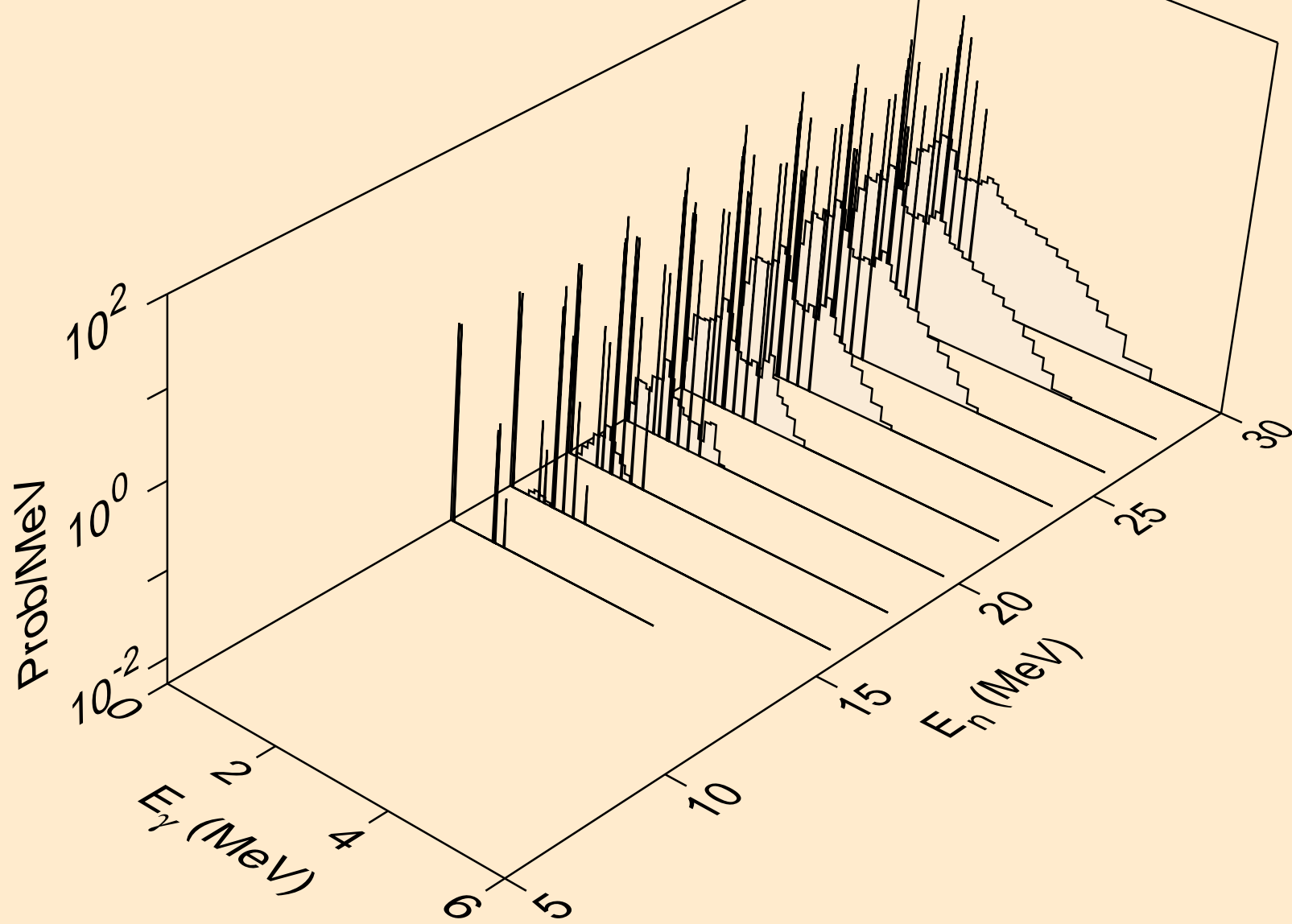
TC090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3np)



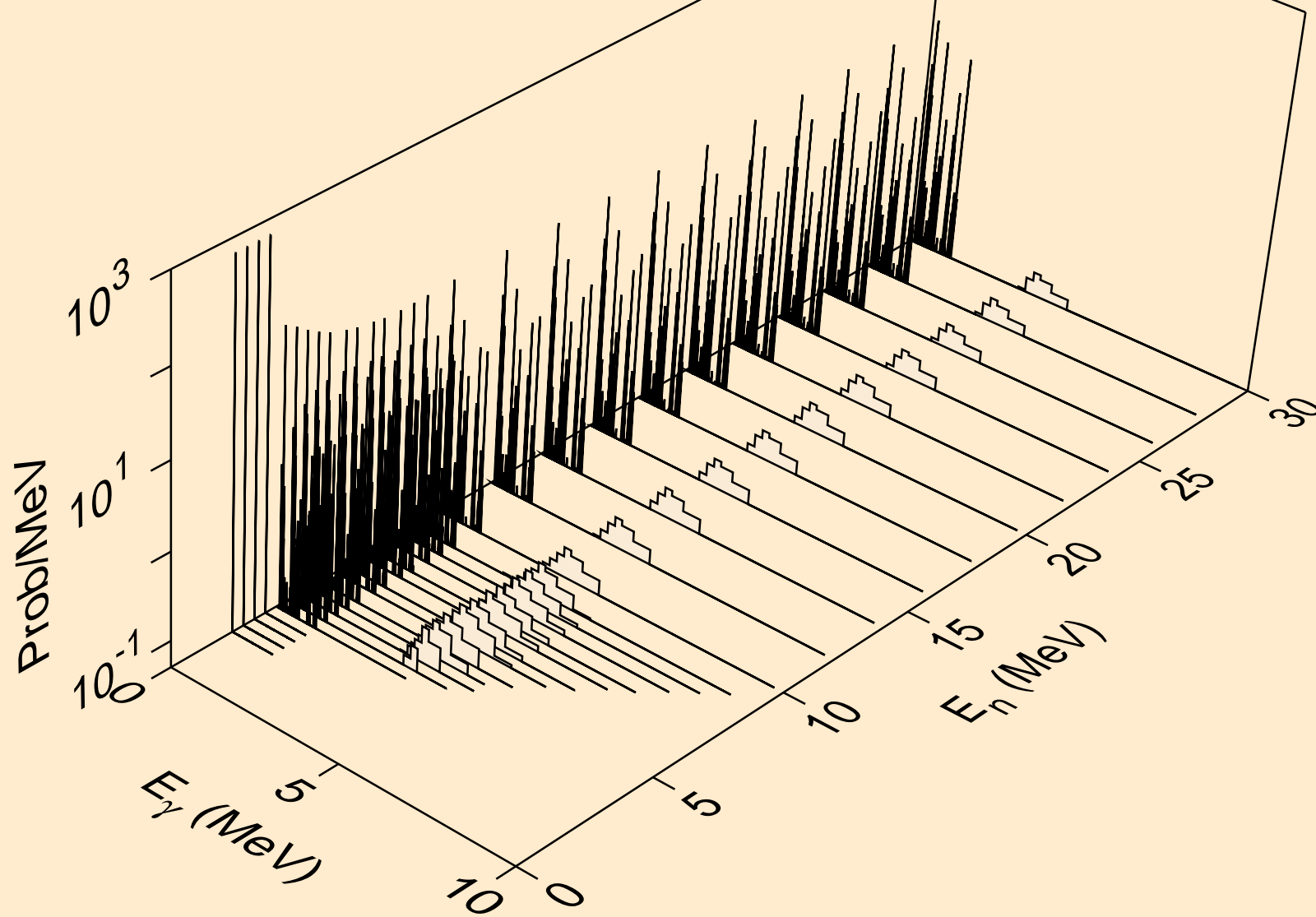
TC090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)



TC090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,npa)

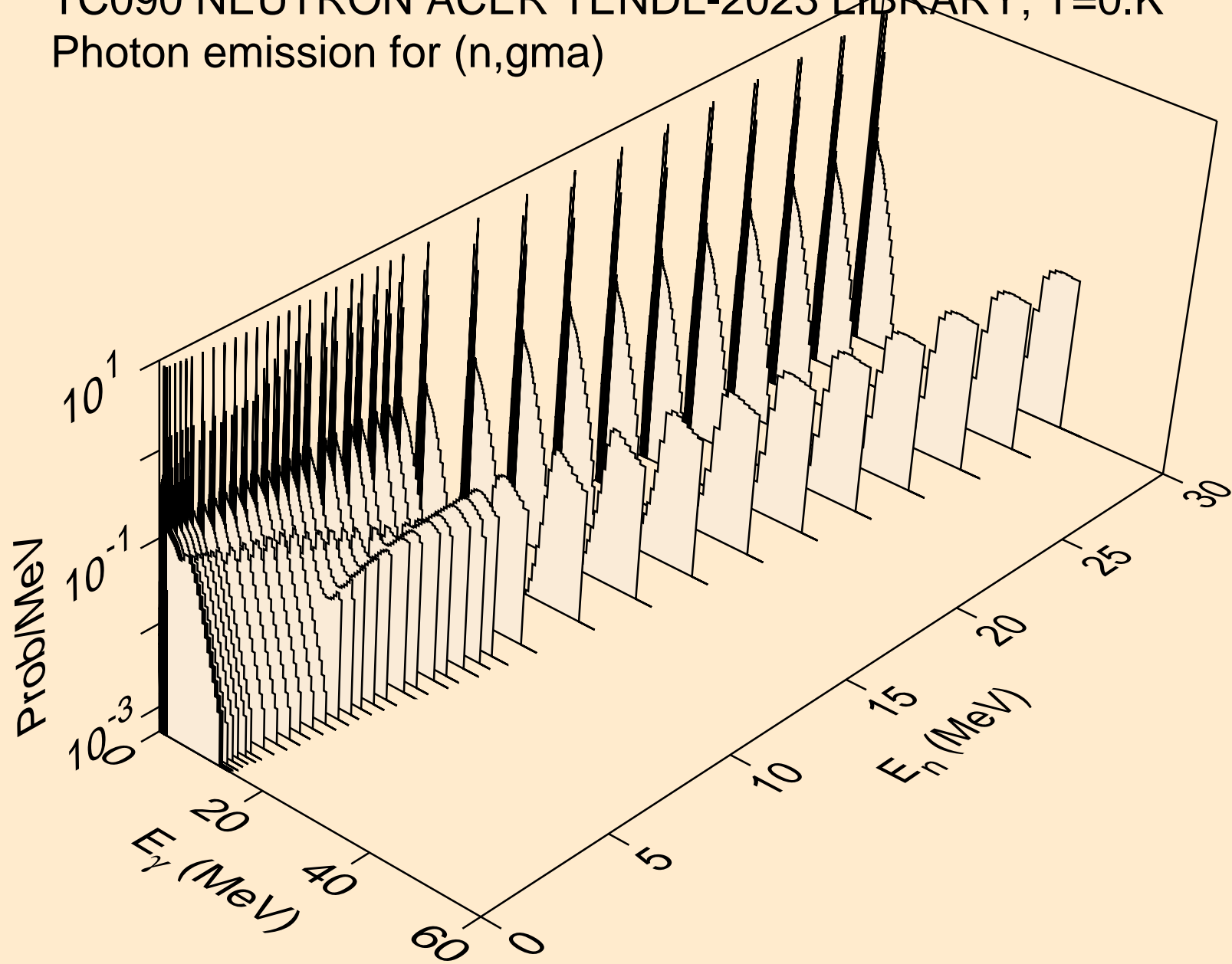


TC090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*c)

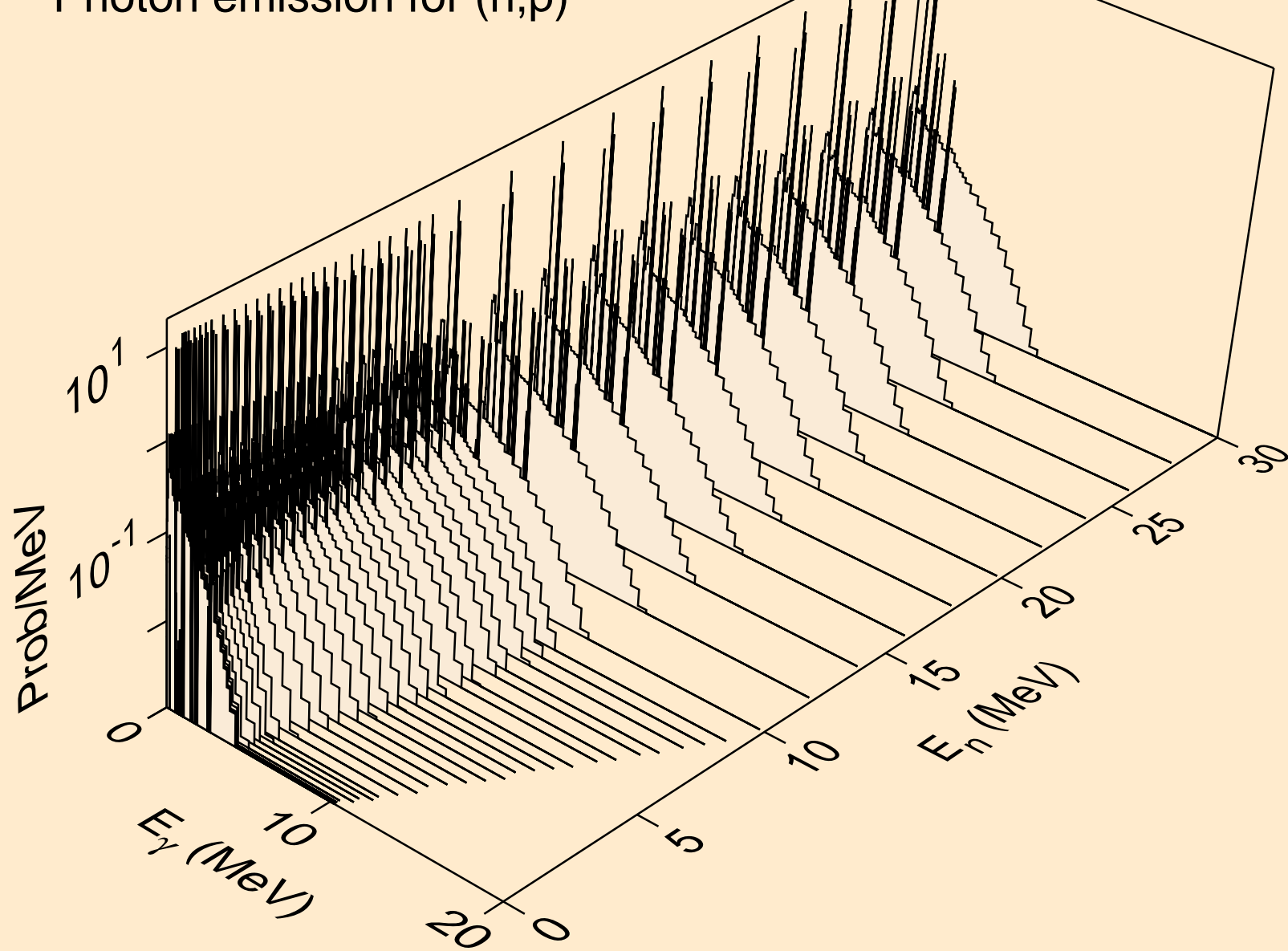




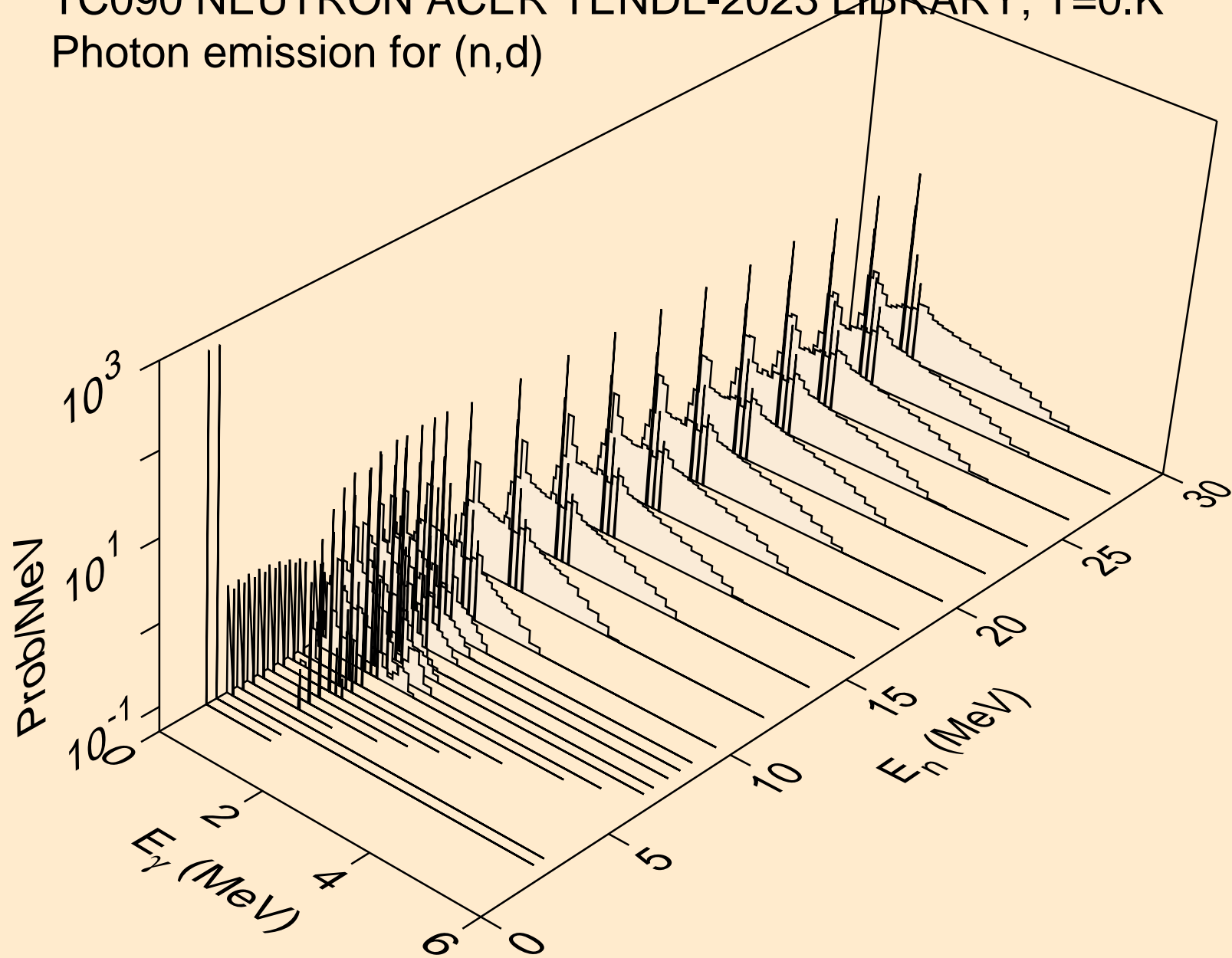
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Photon emission for (n,gma)



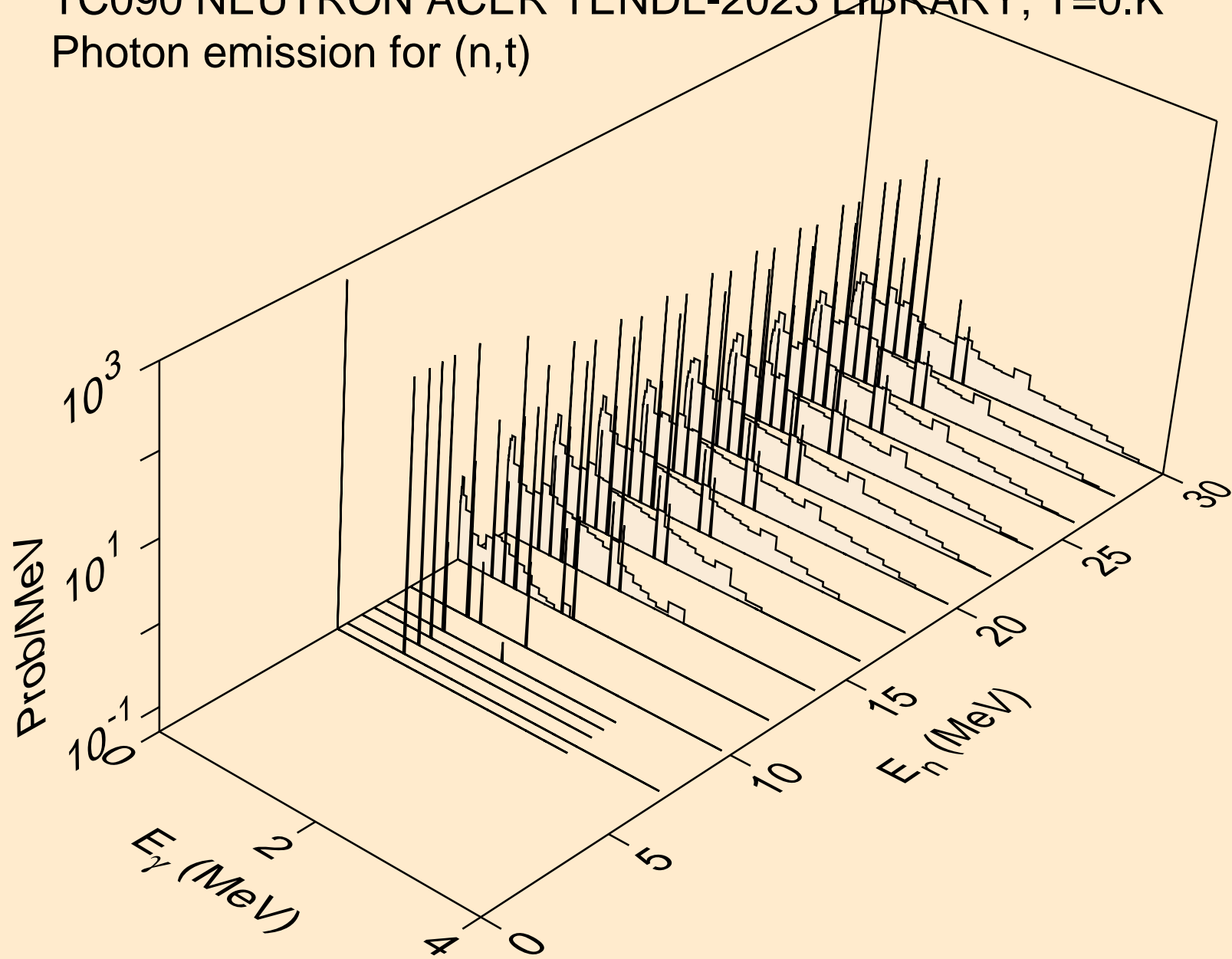
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Photon emission for (n,p)



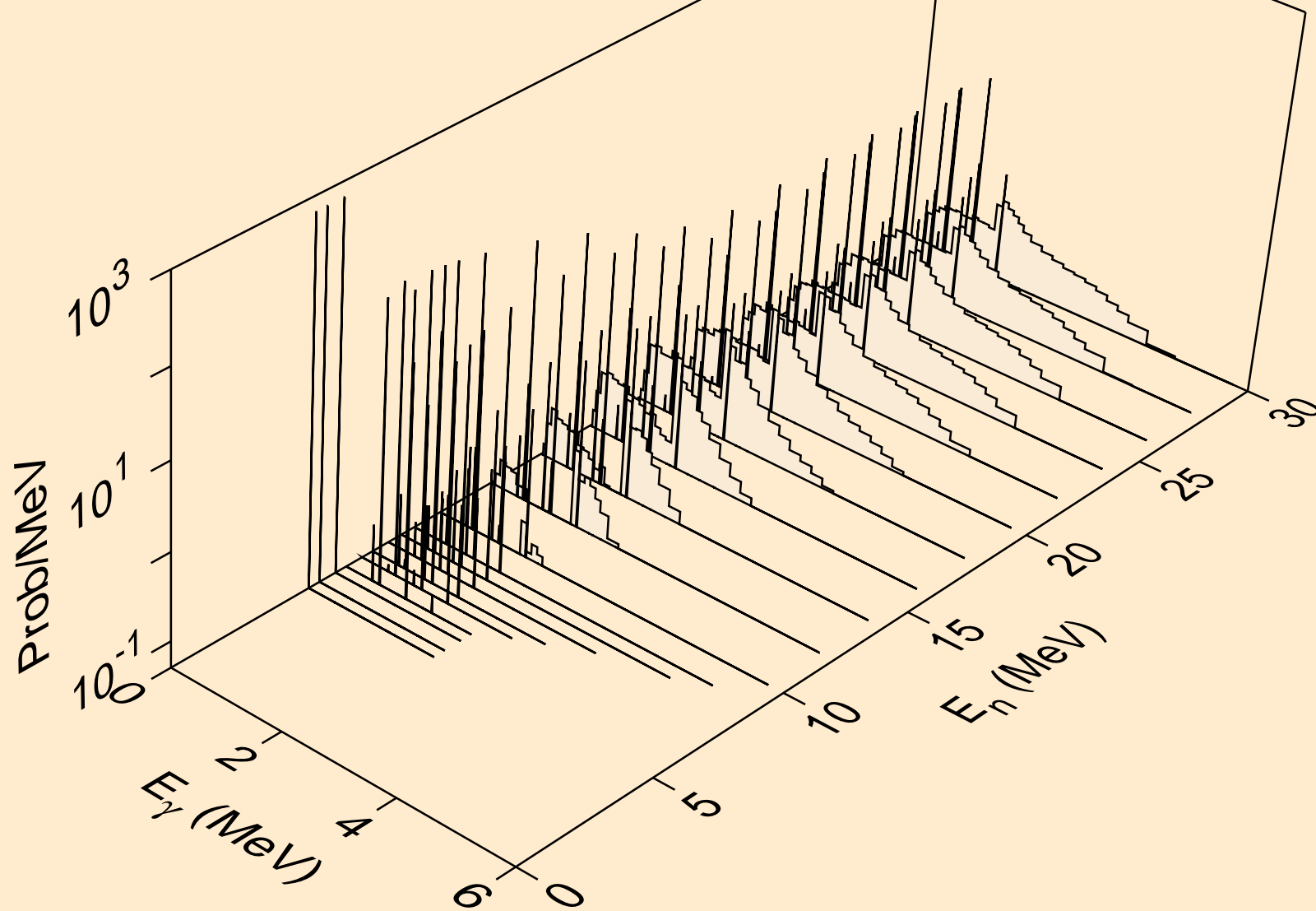
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Photon emission for (n,d)



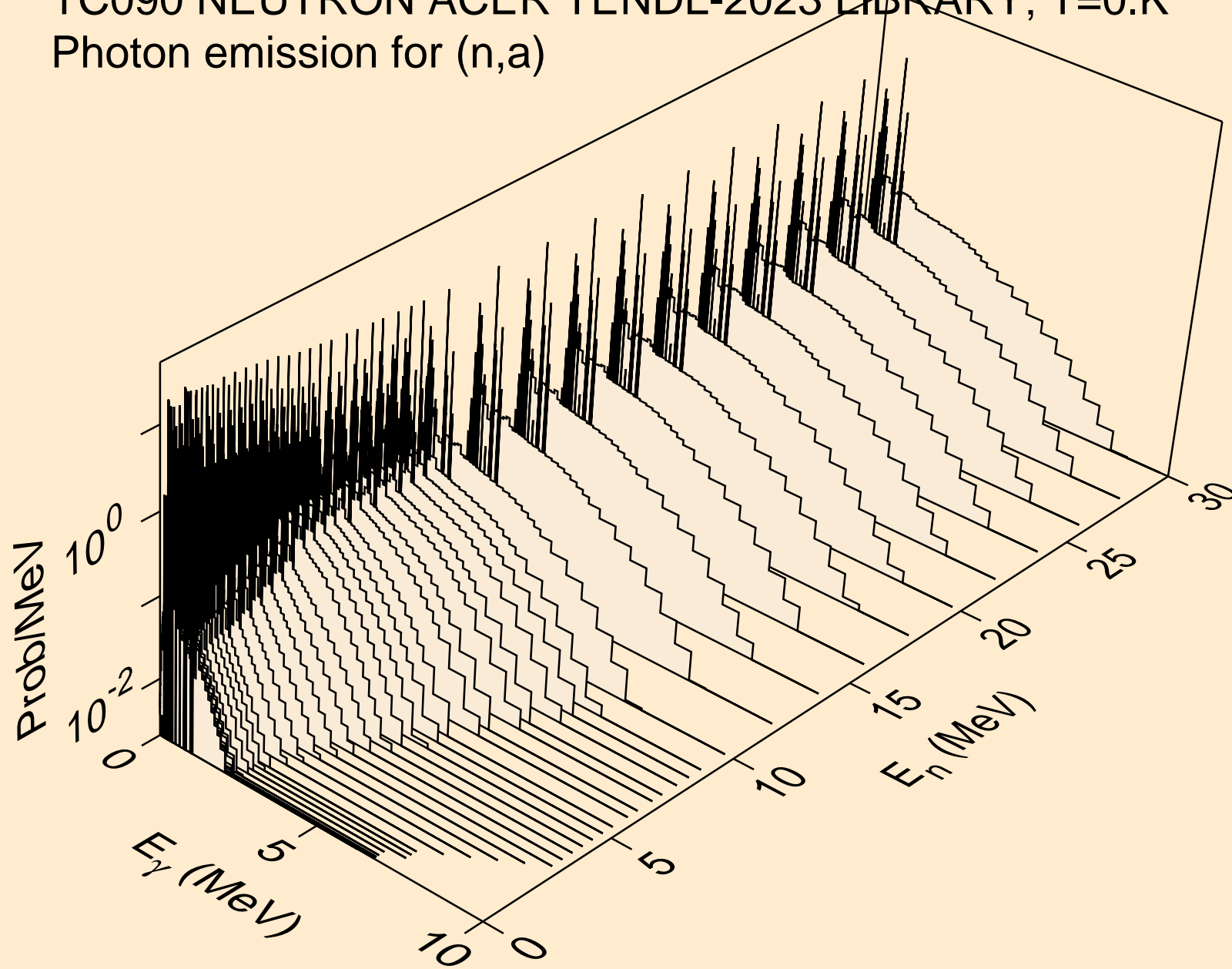
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Photon emission for (n,t)



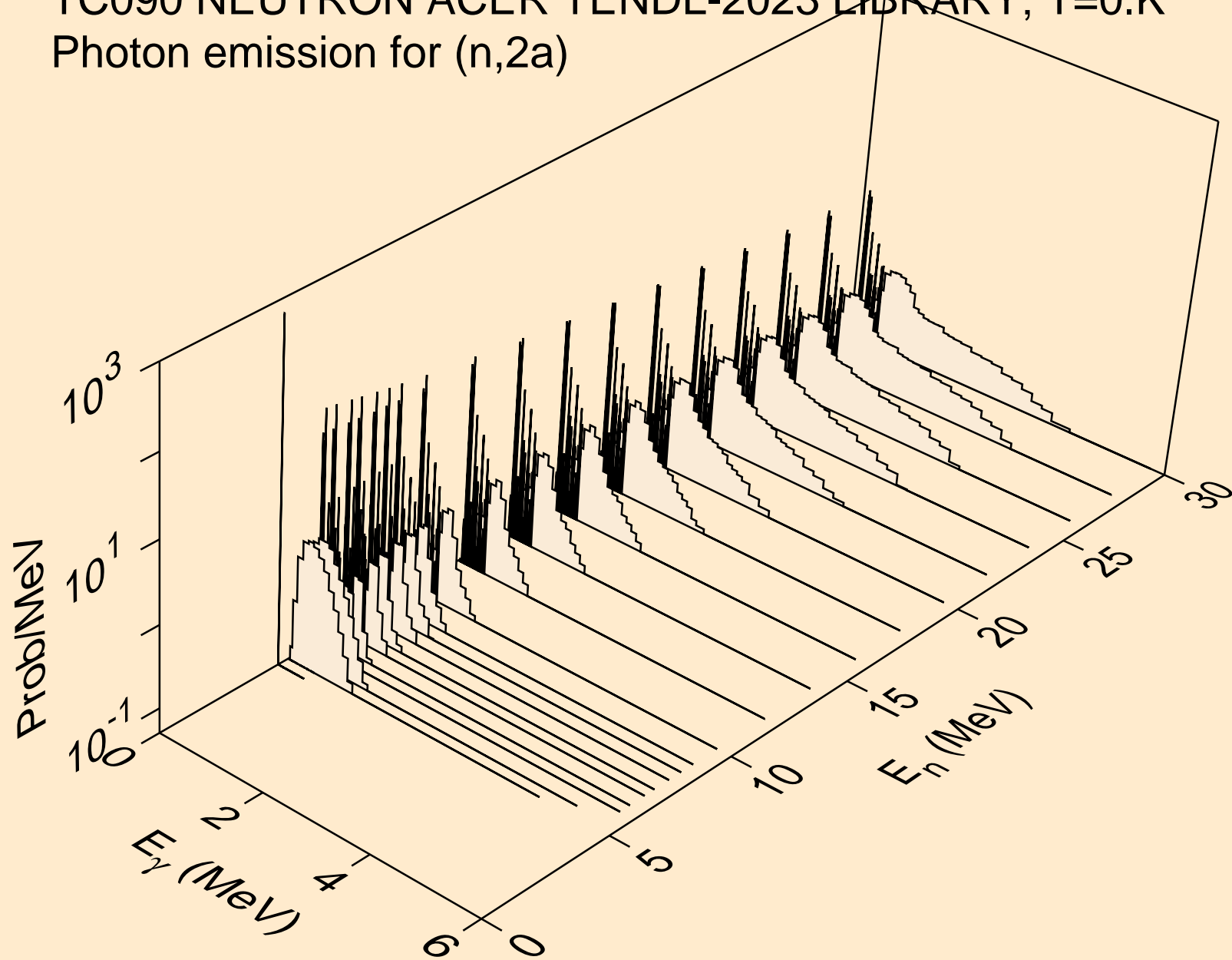
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Photon emission for (n,he3)



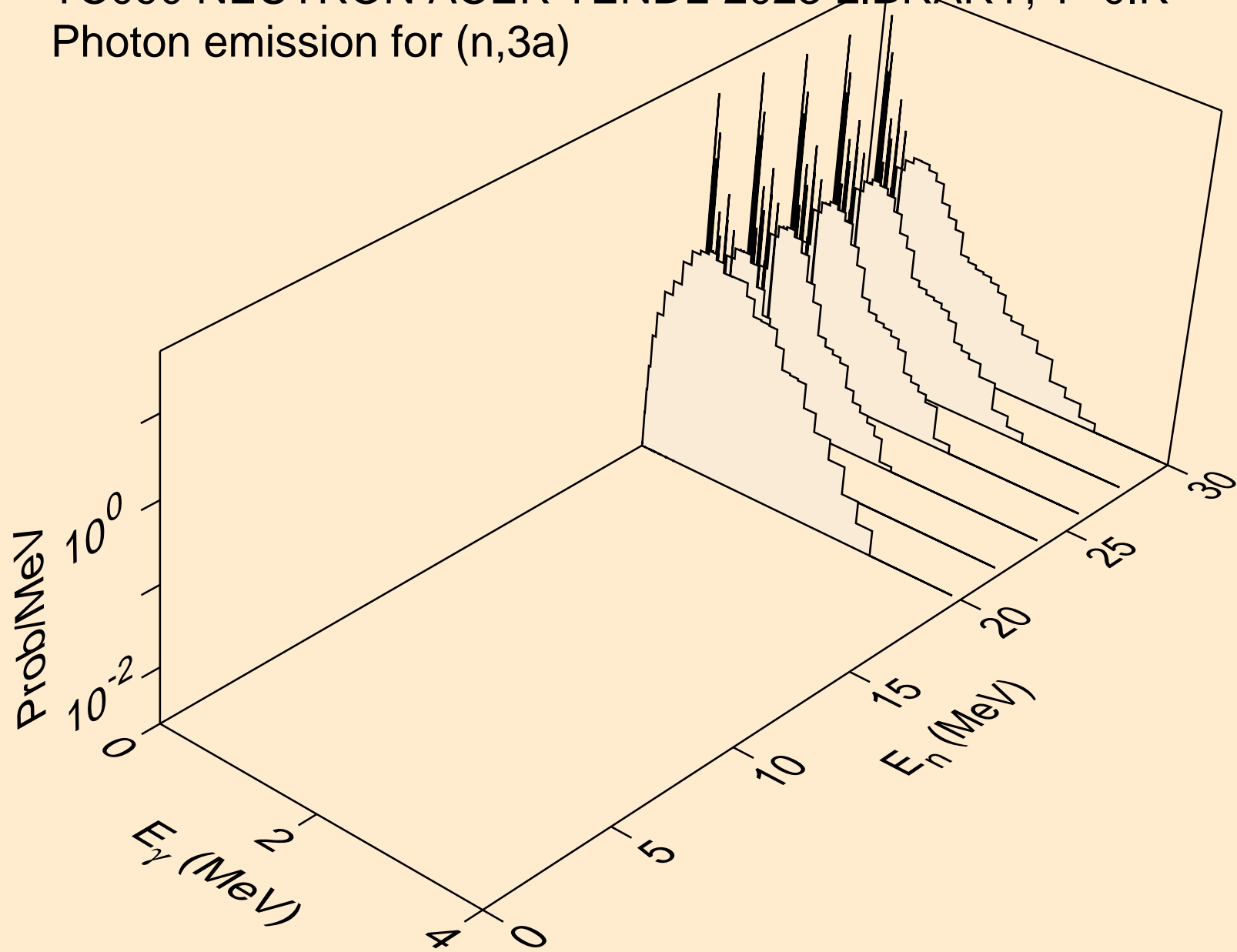
TC090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)



TC090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2a)

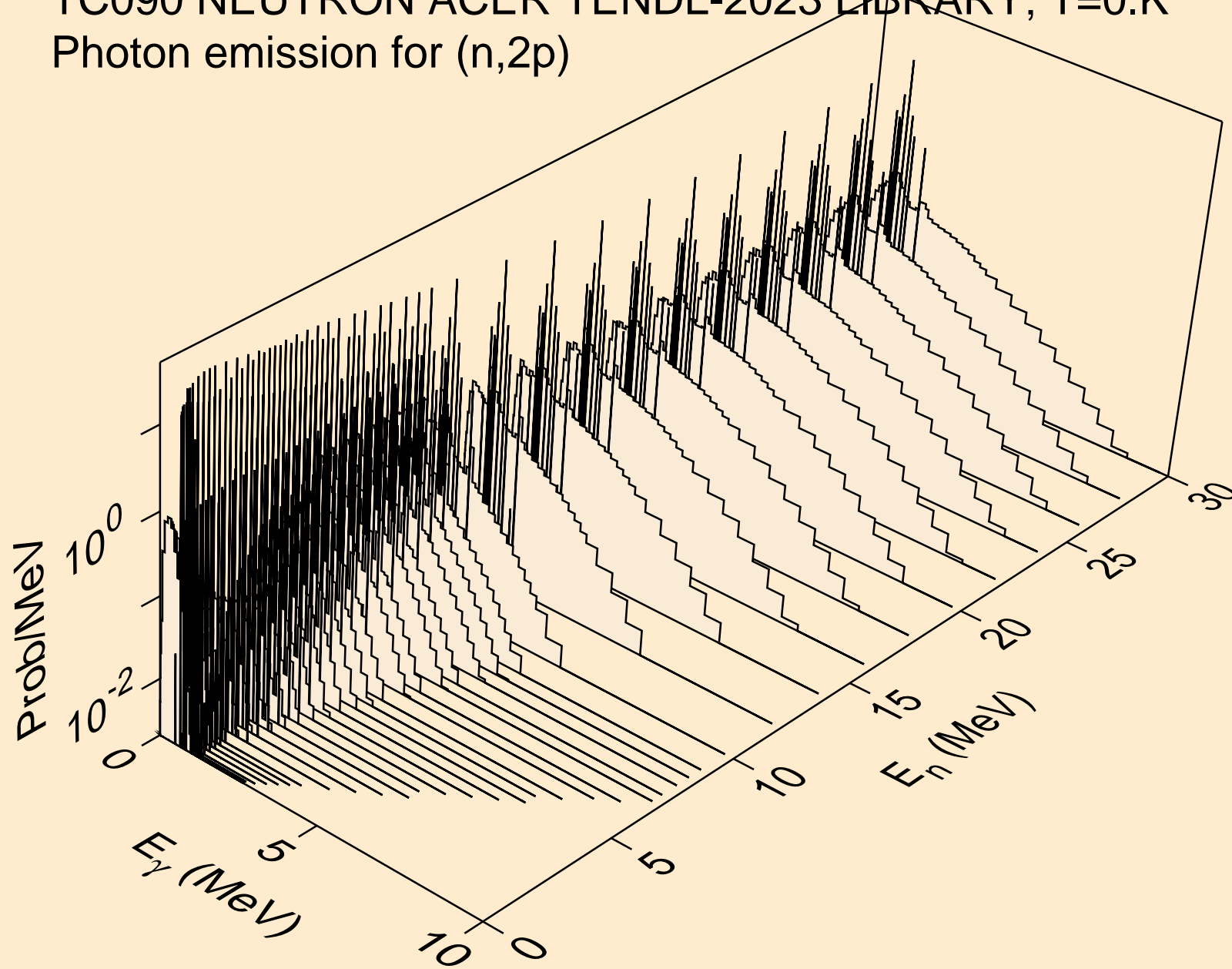


TC090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3a)

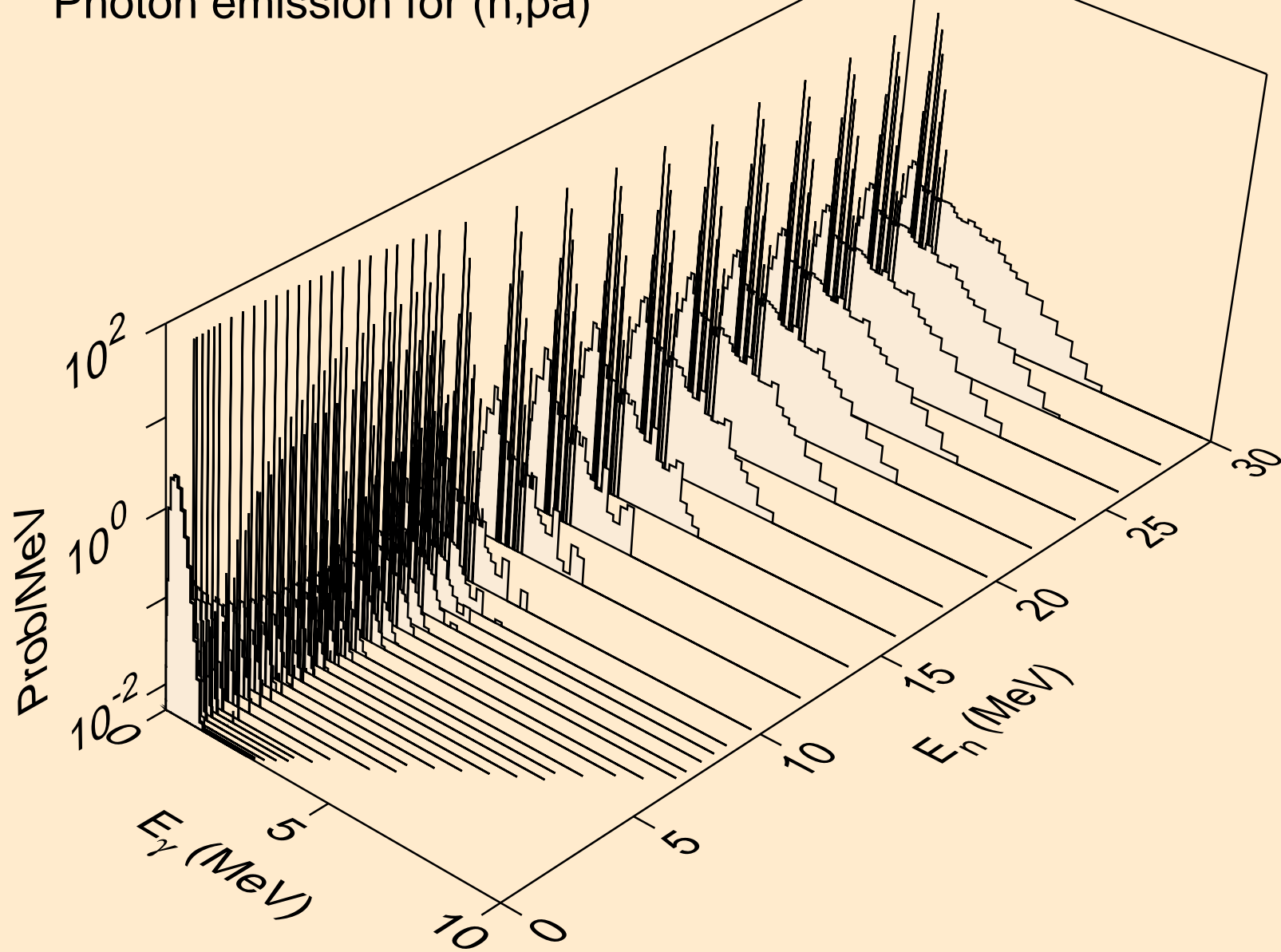




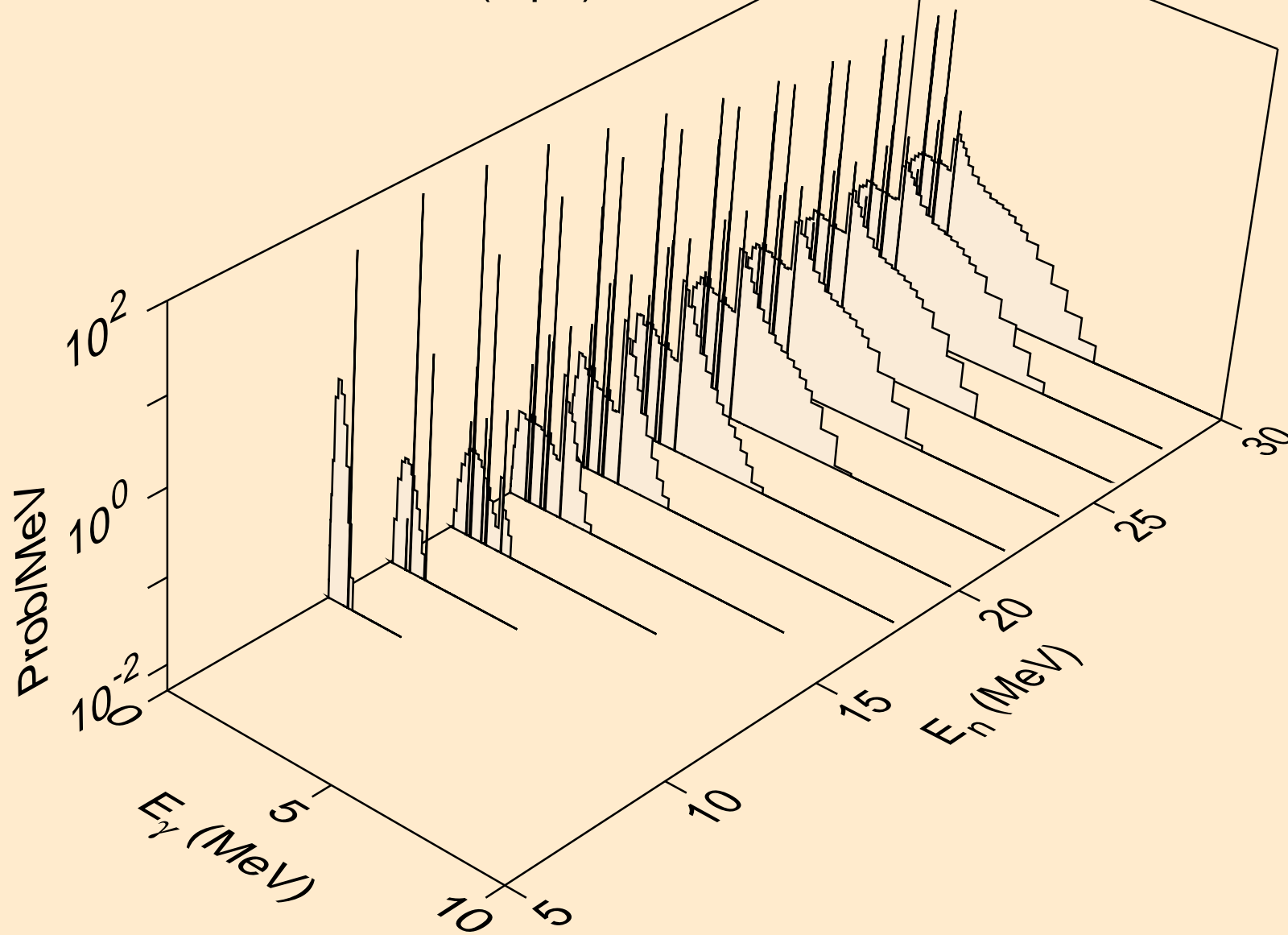
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Photon emission for (n,2p)



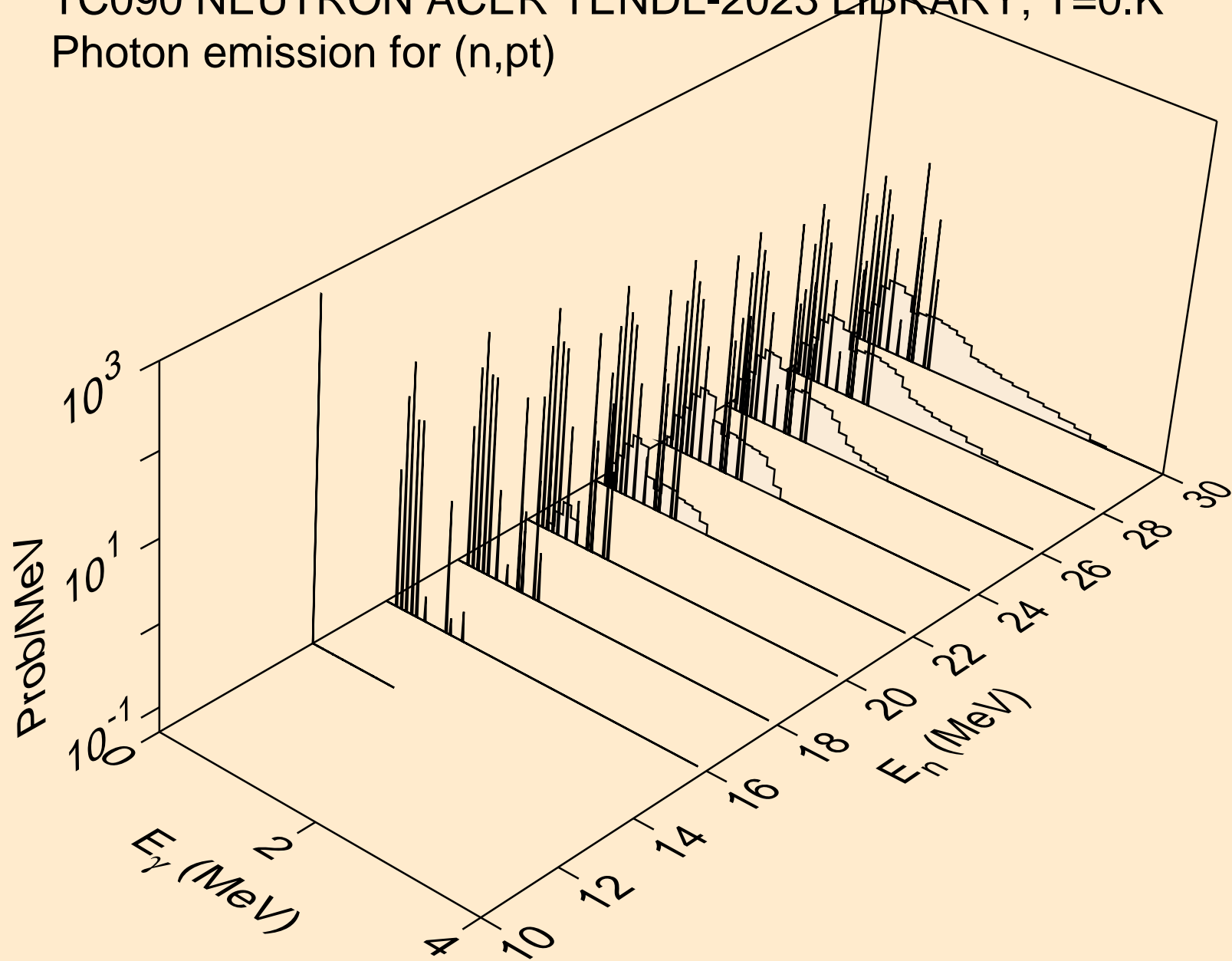
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Photon emission for (n,p $\alpha$ )



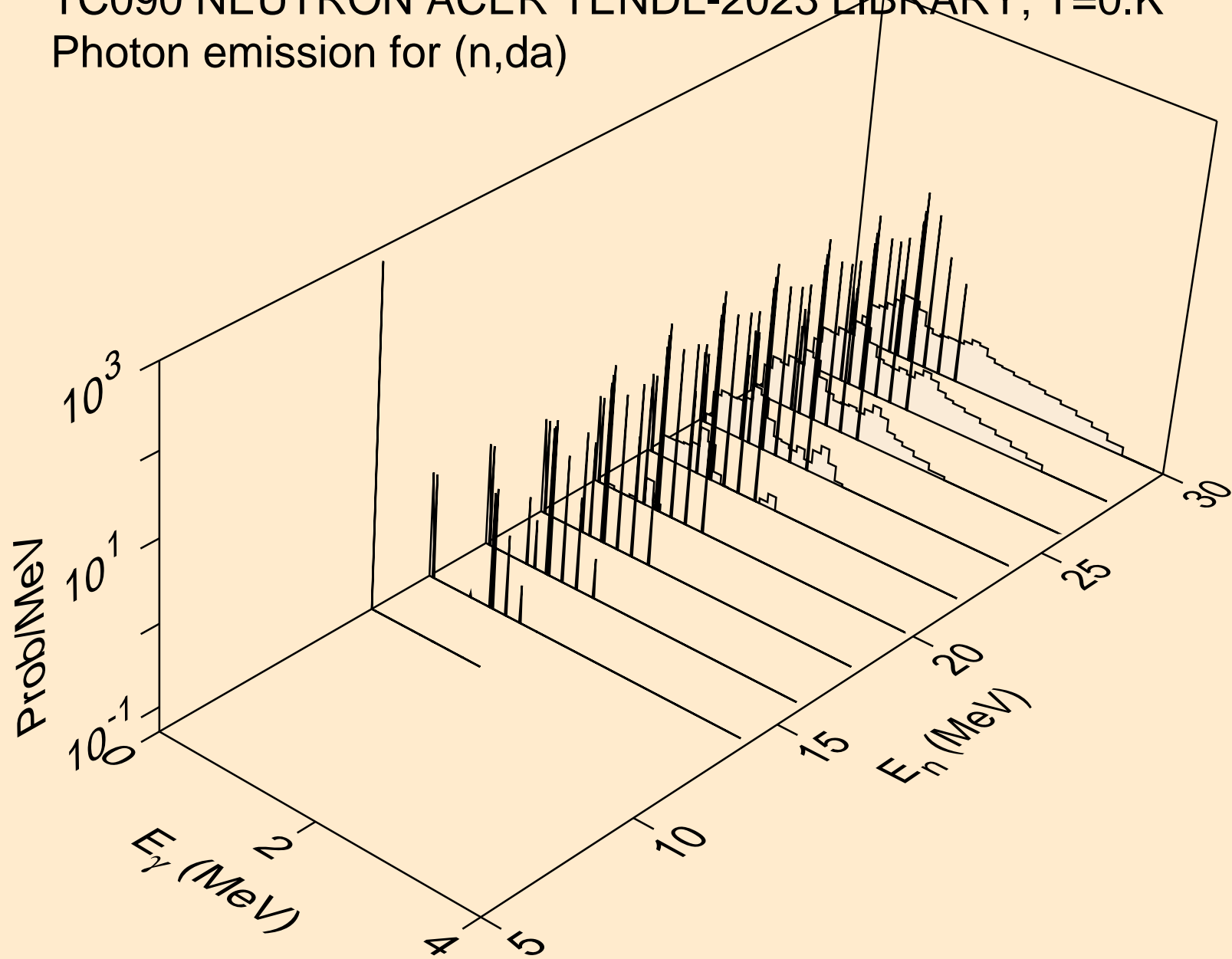
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Photon emission for (n,pd)



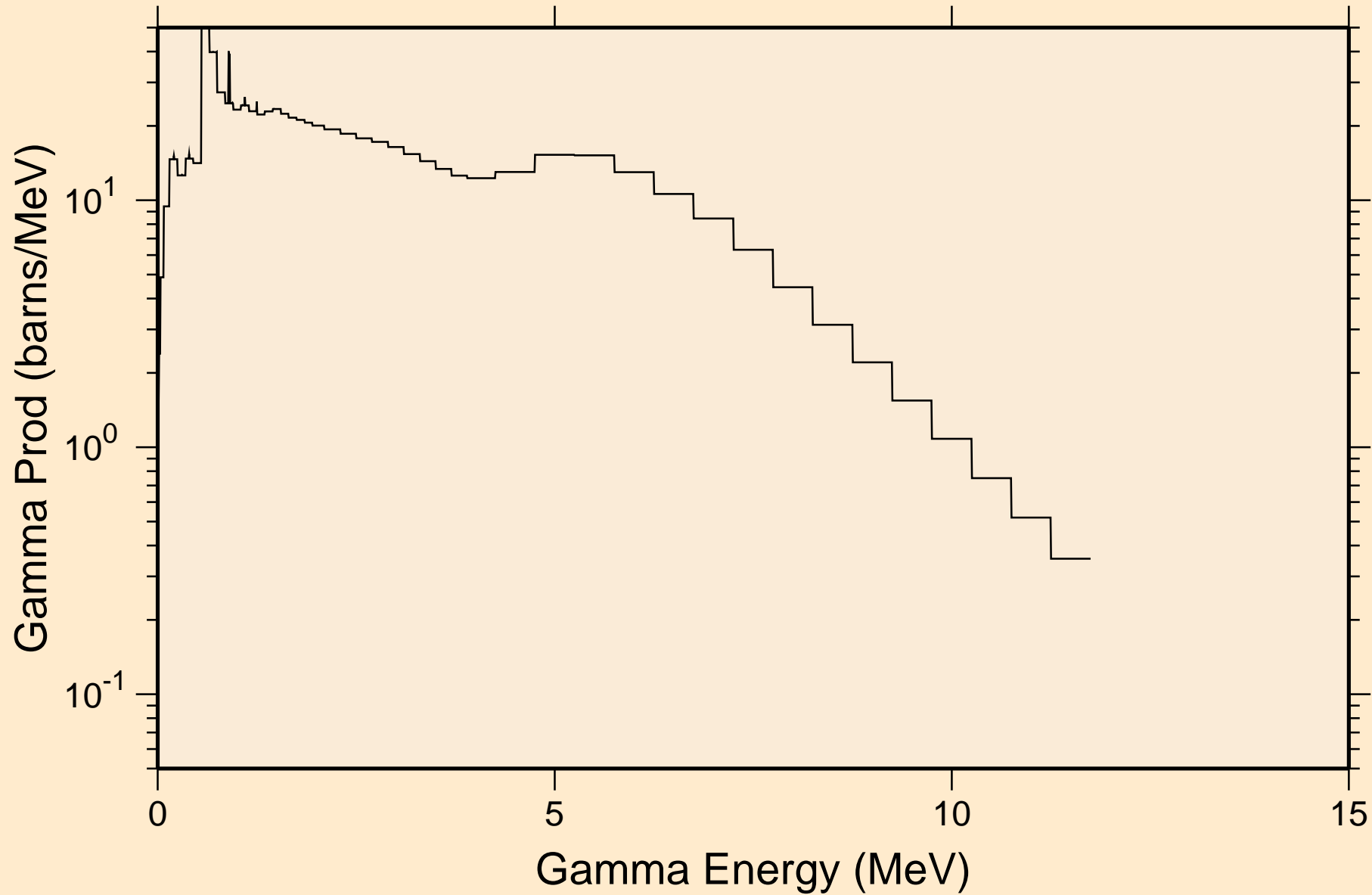
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Photon emission for (n,pt)



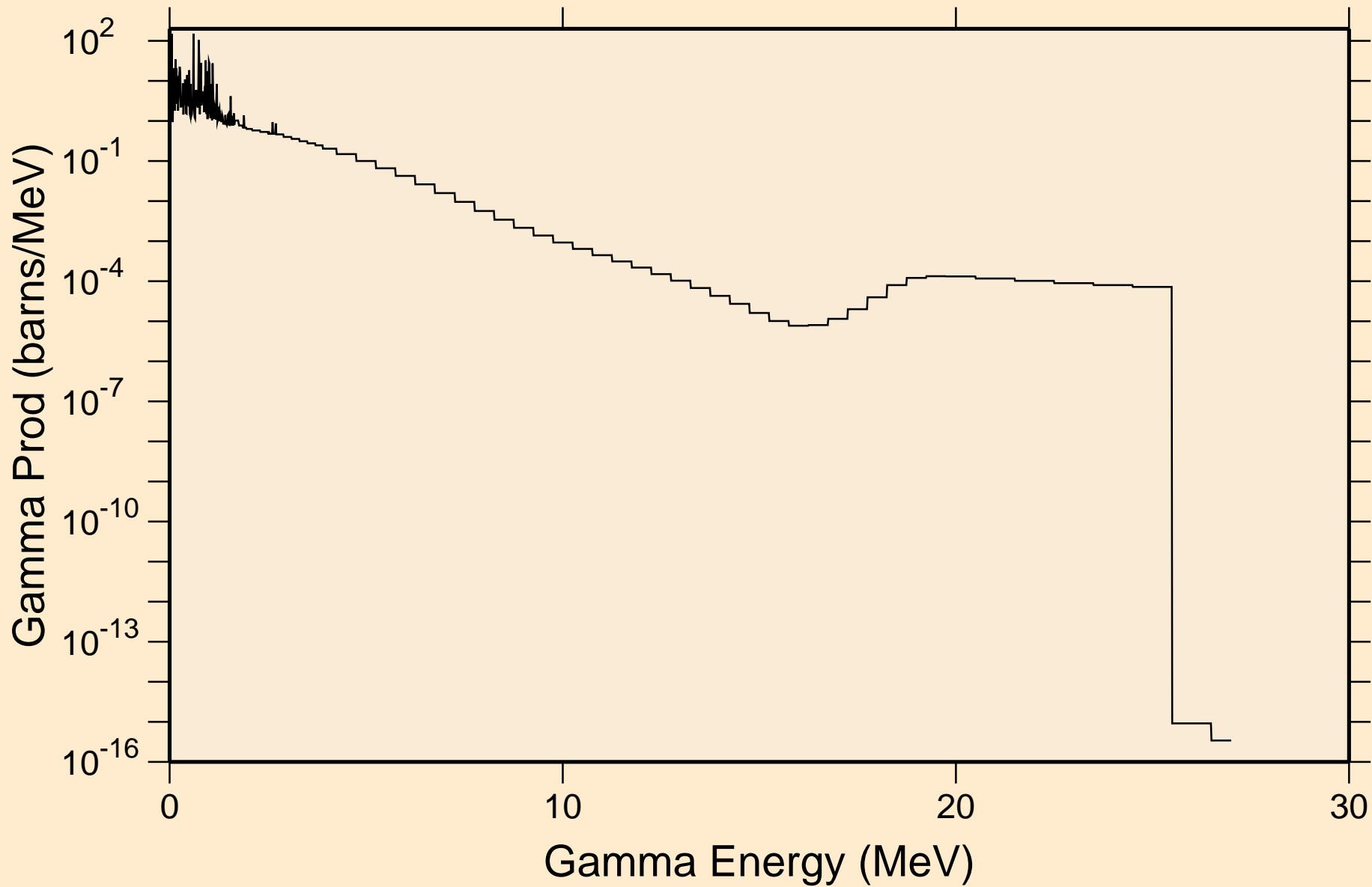
TC090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)



TC090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
thermal capture photon spectrum

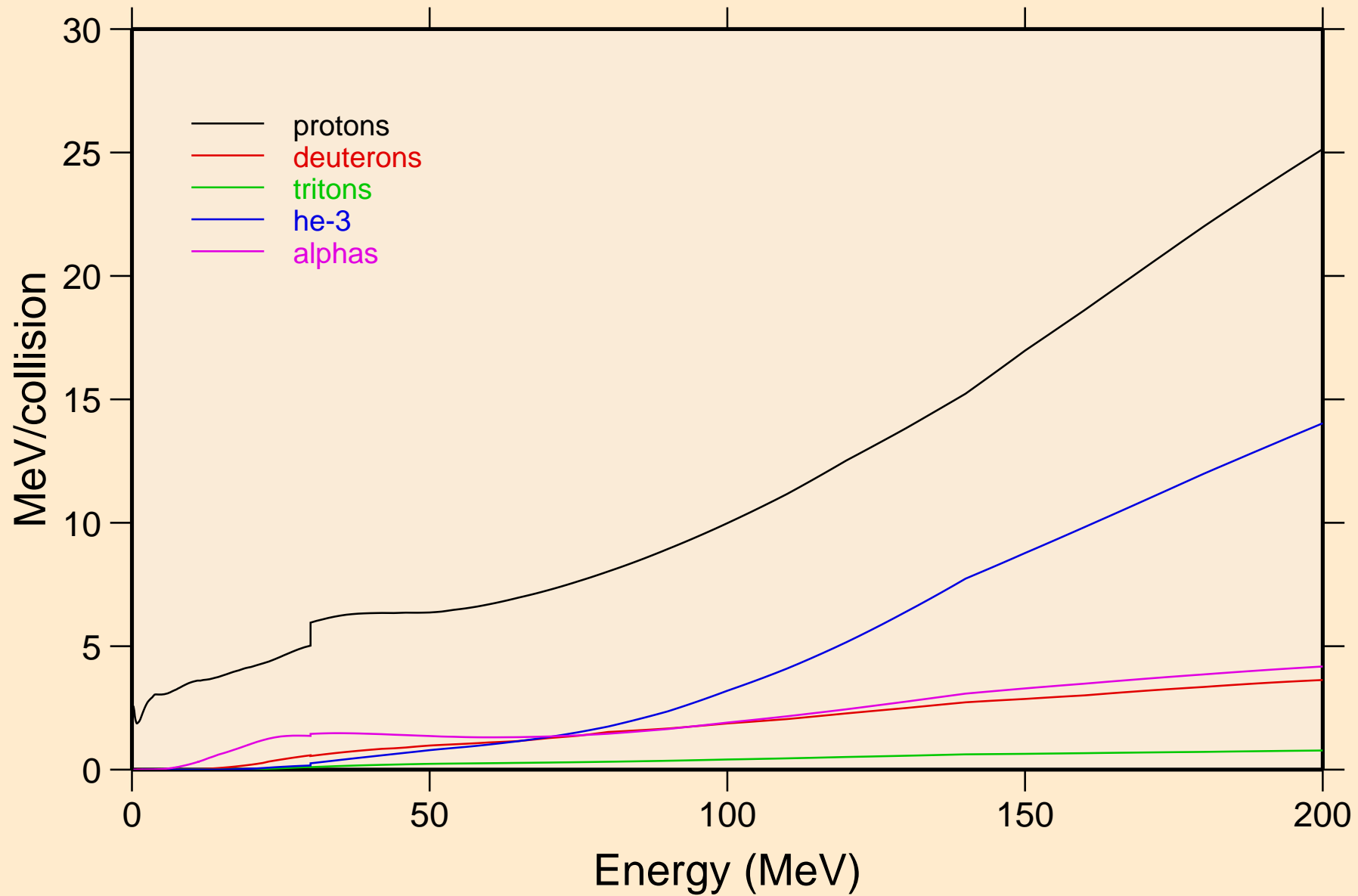


TC090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
14 MeV photon spectrum



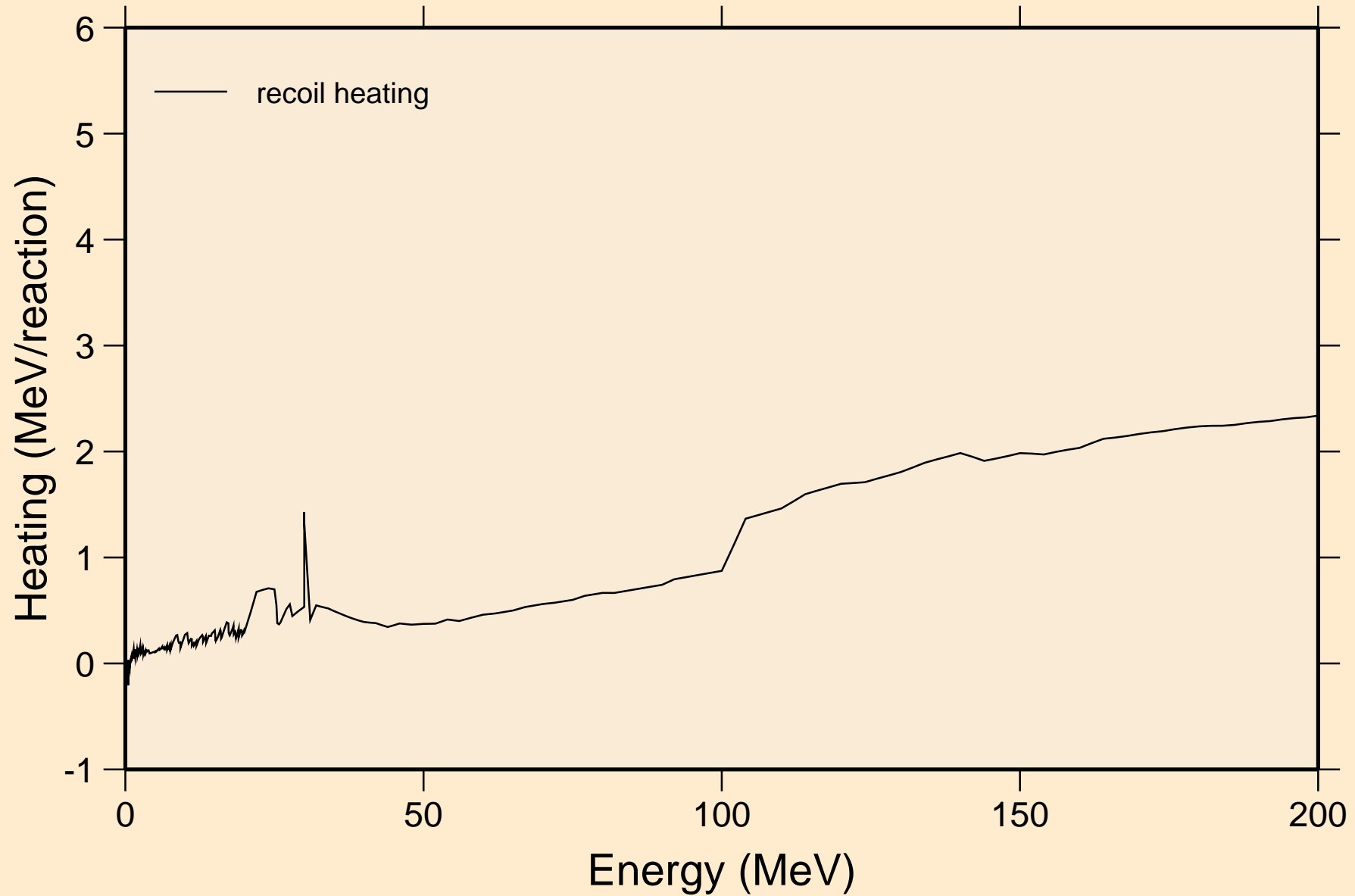
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## Particle heating contributions

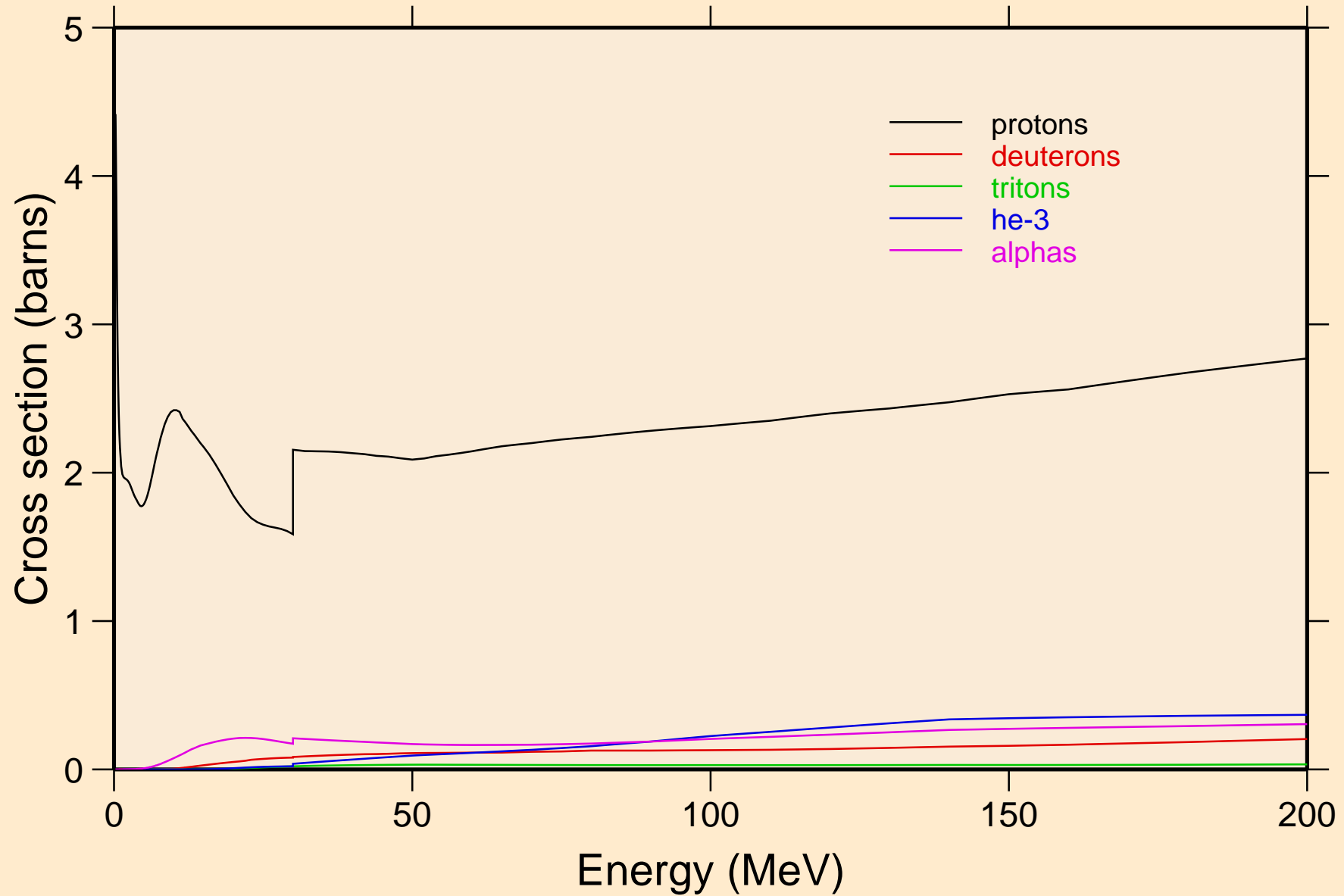




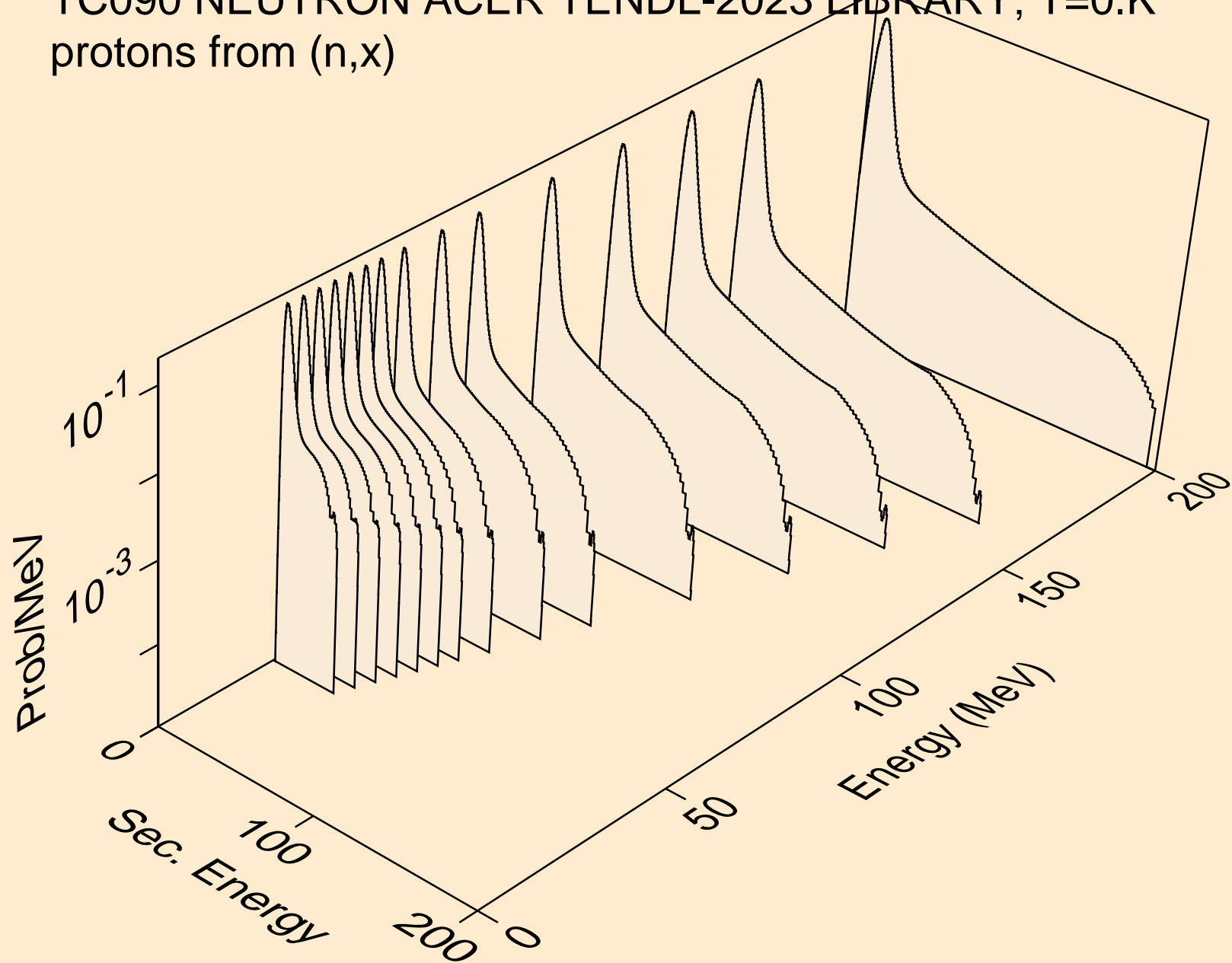
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Recoil Heating



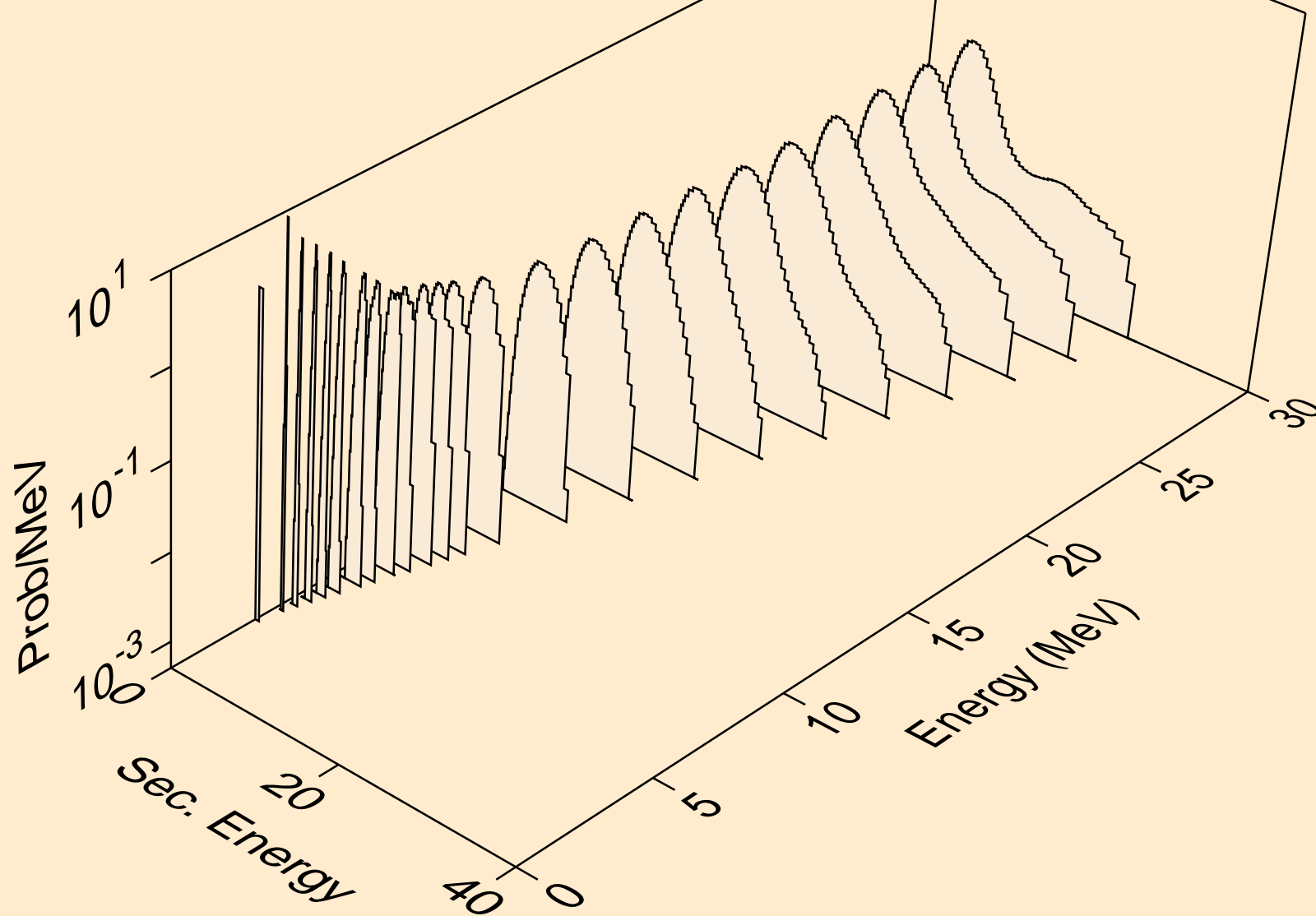
TC090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Particle production cross sections



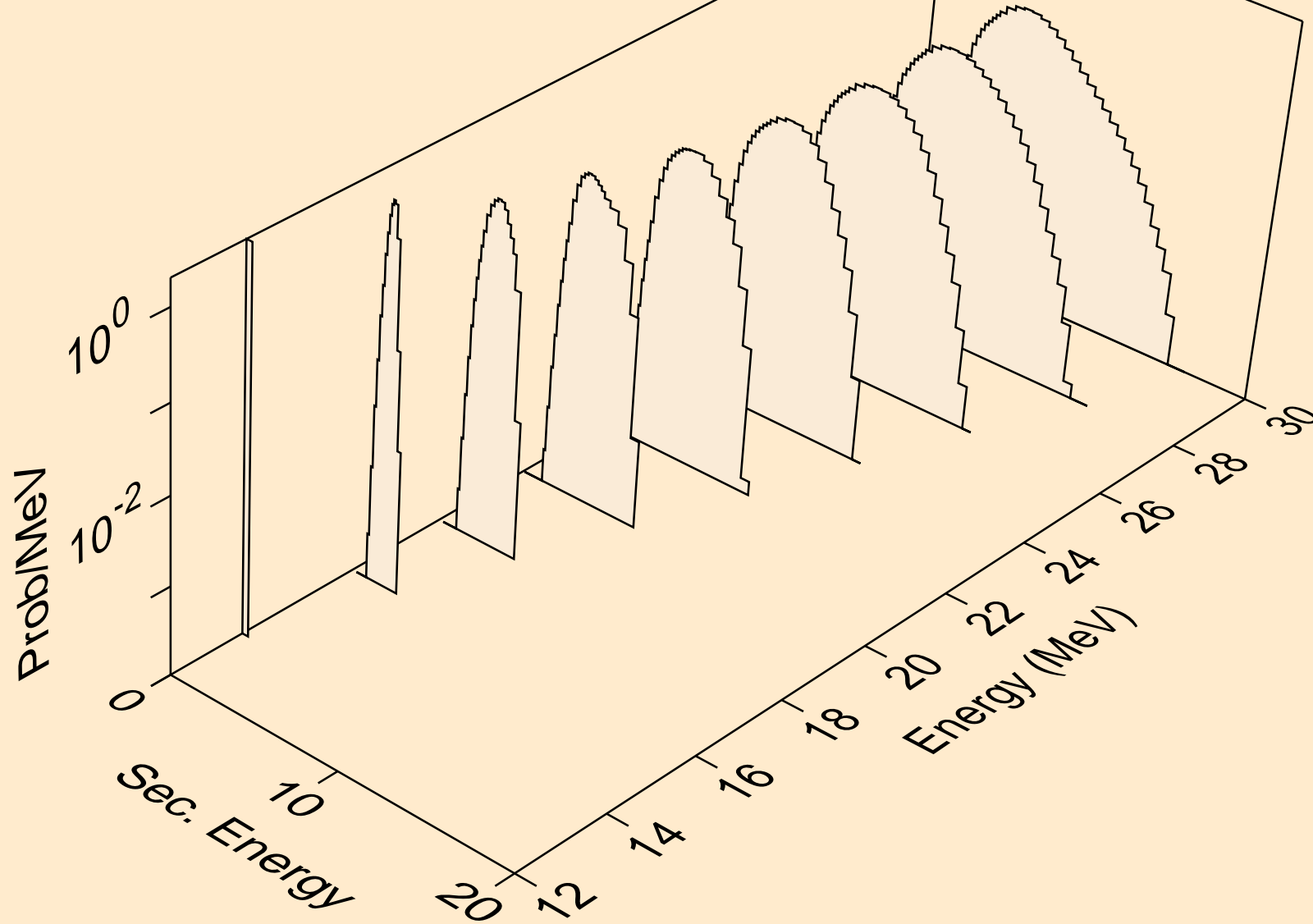
TC090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,x)



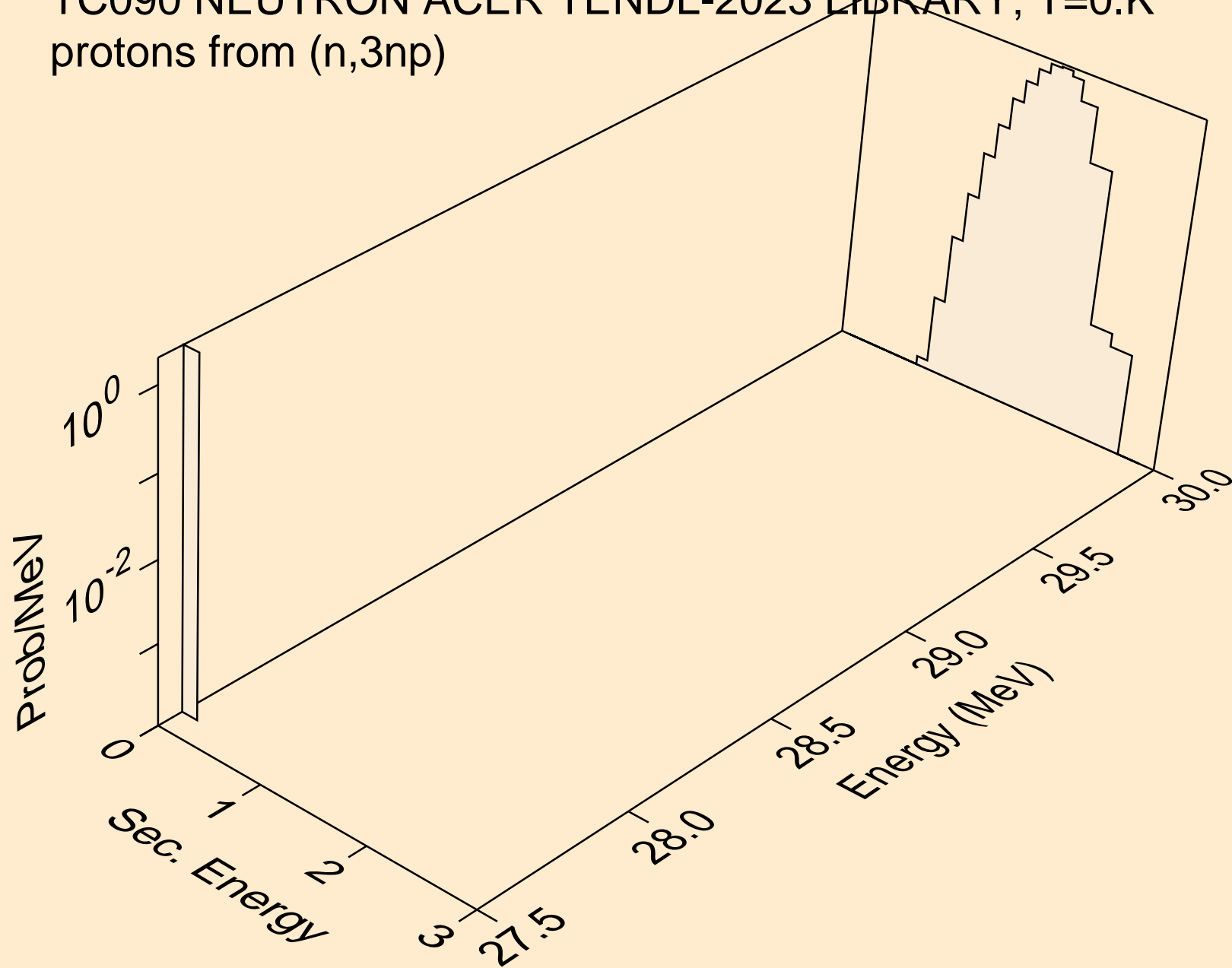
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protons from (n,n\*)p



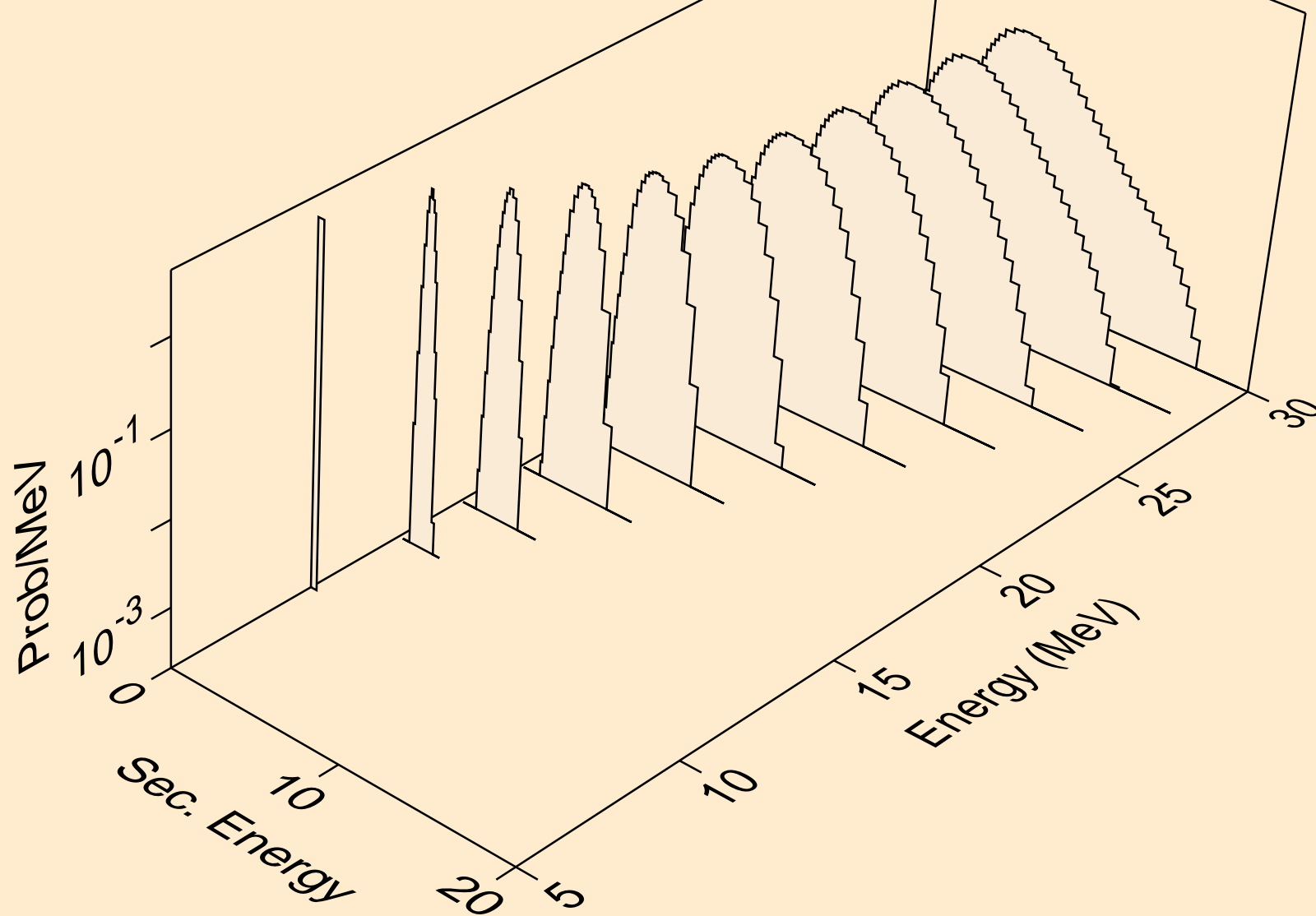
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protons from (n,2np)



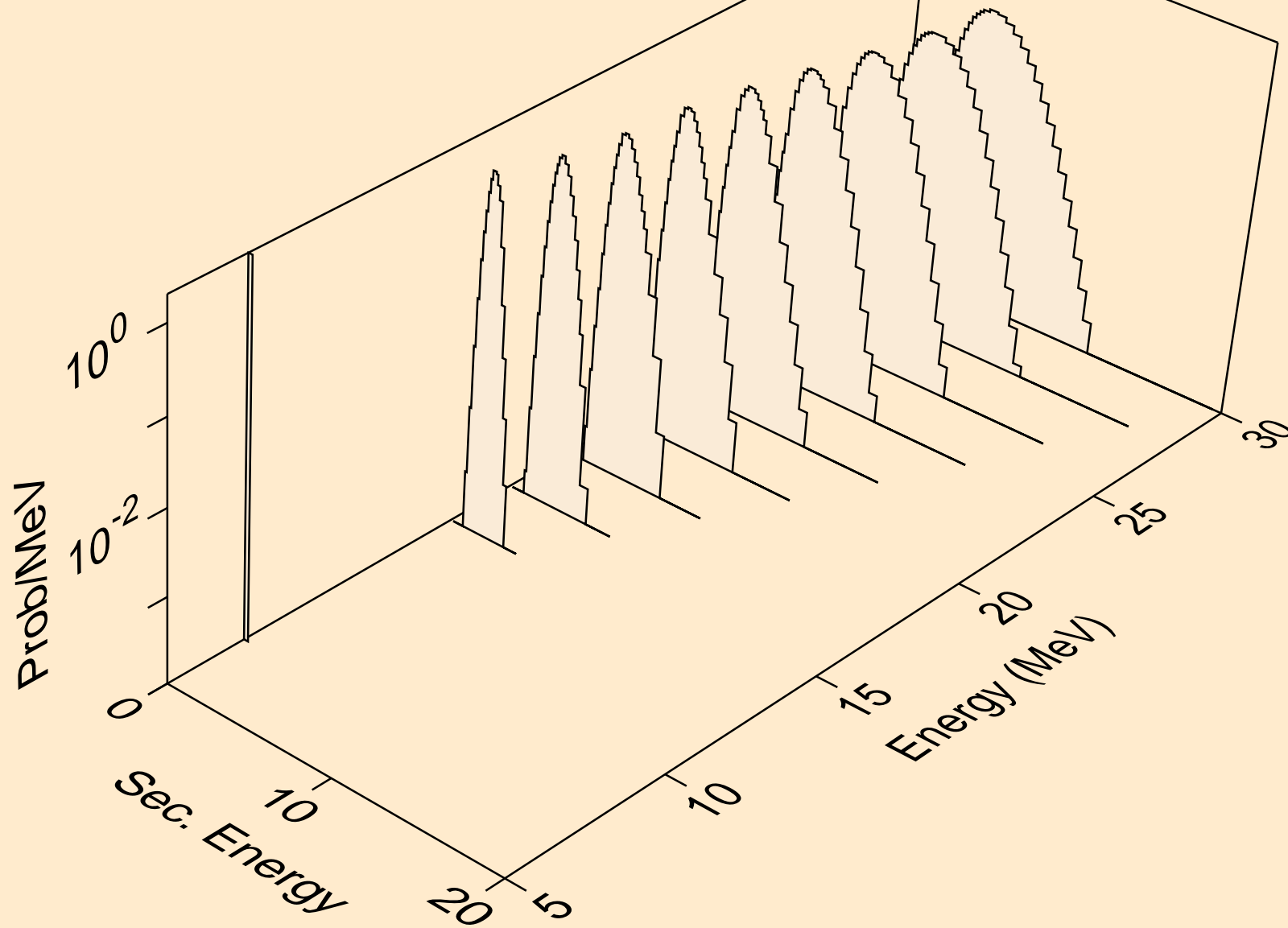
TC090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,3np)



TC090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n2p)

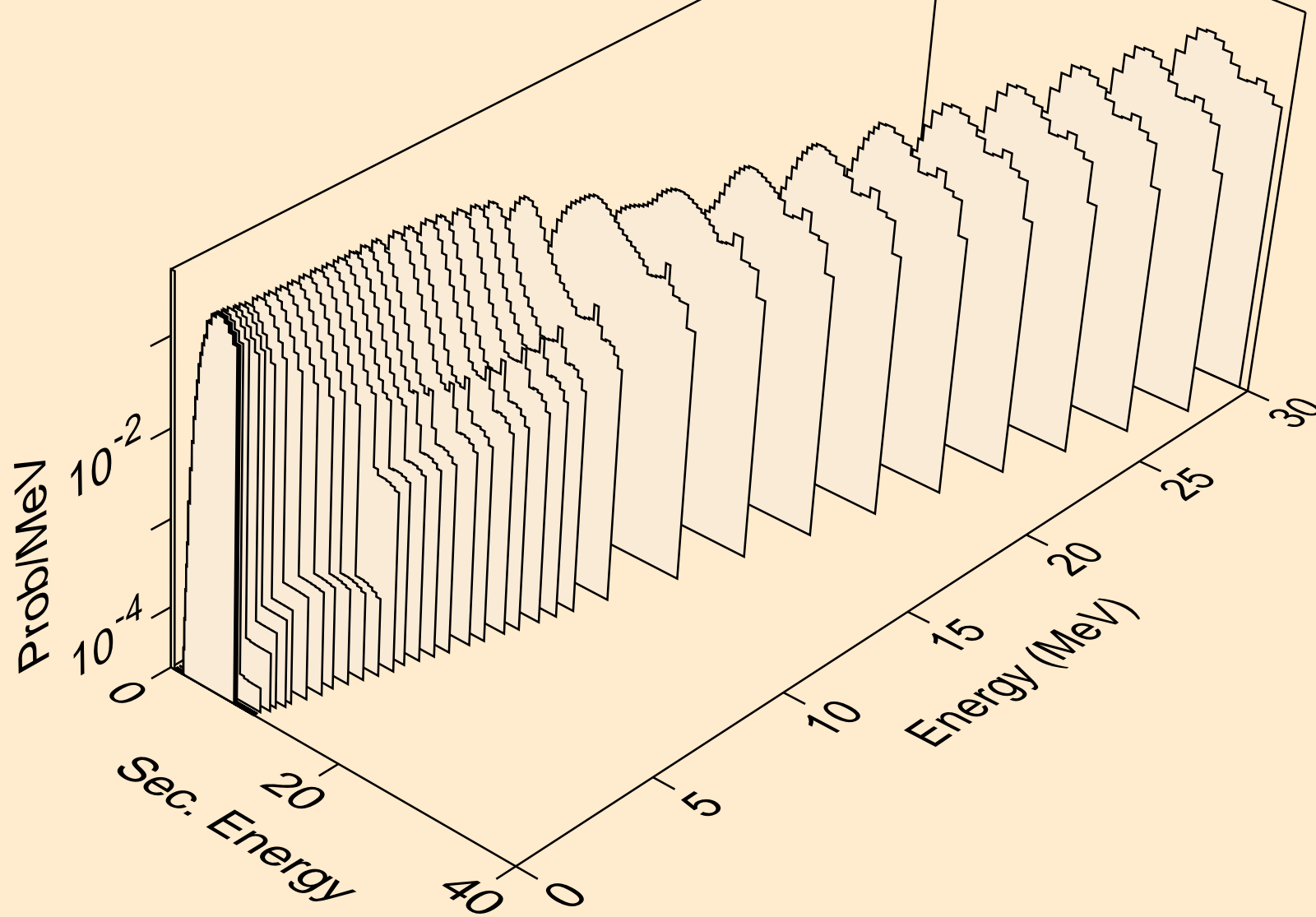


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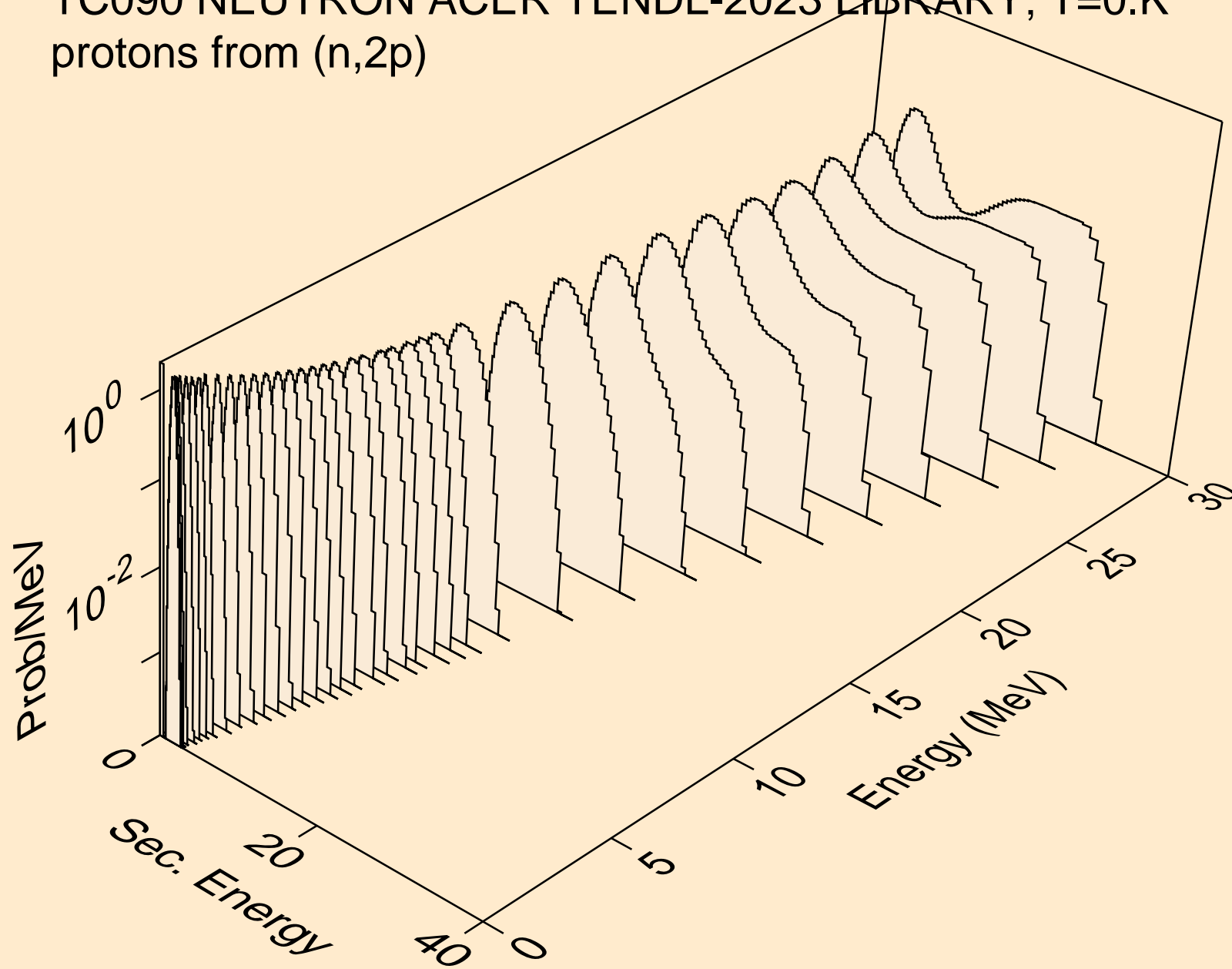




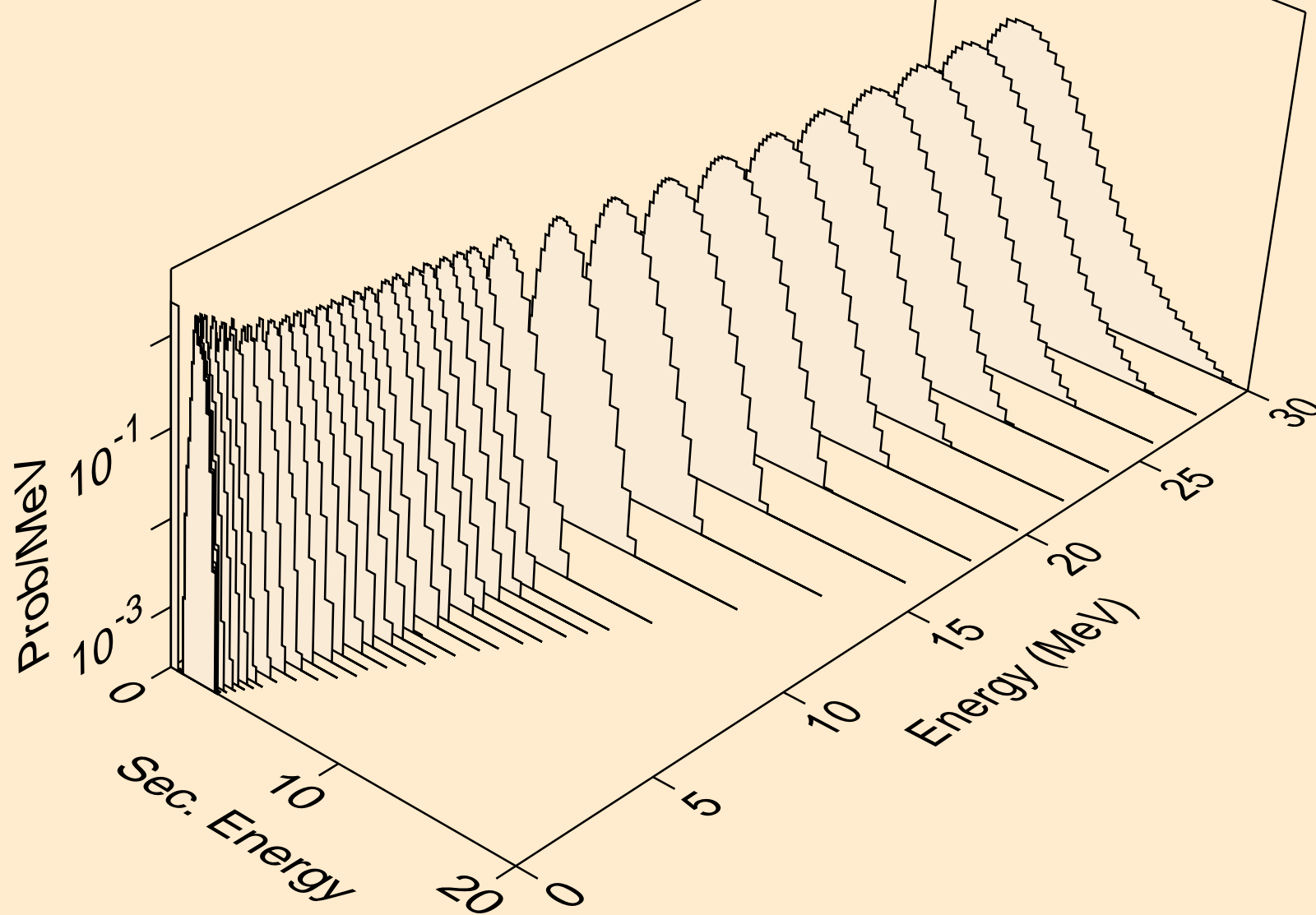
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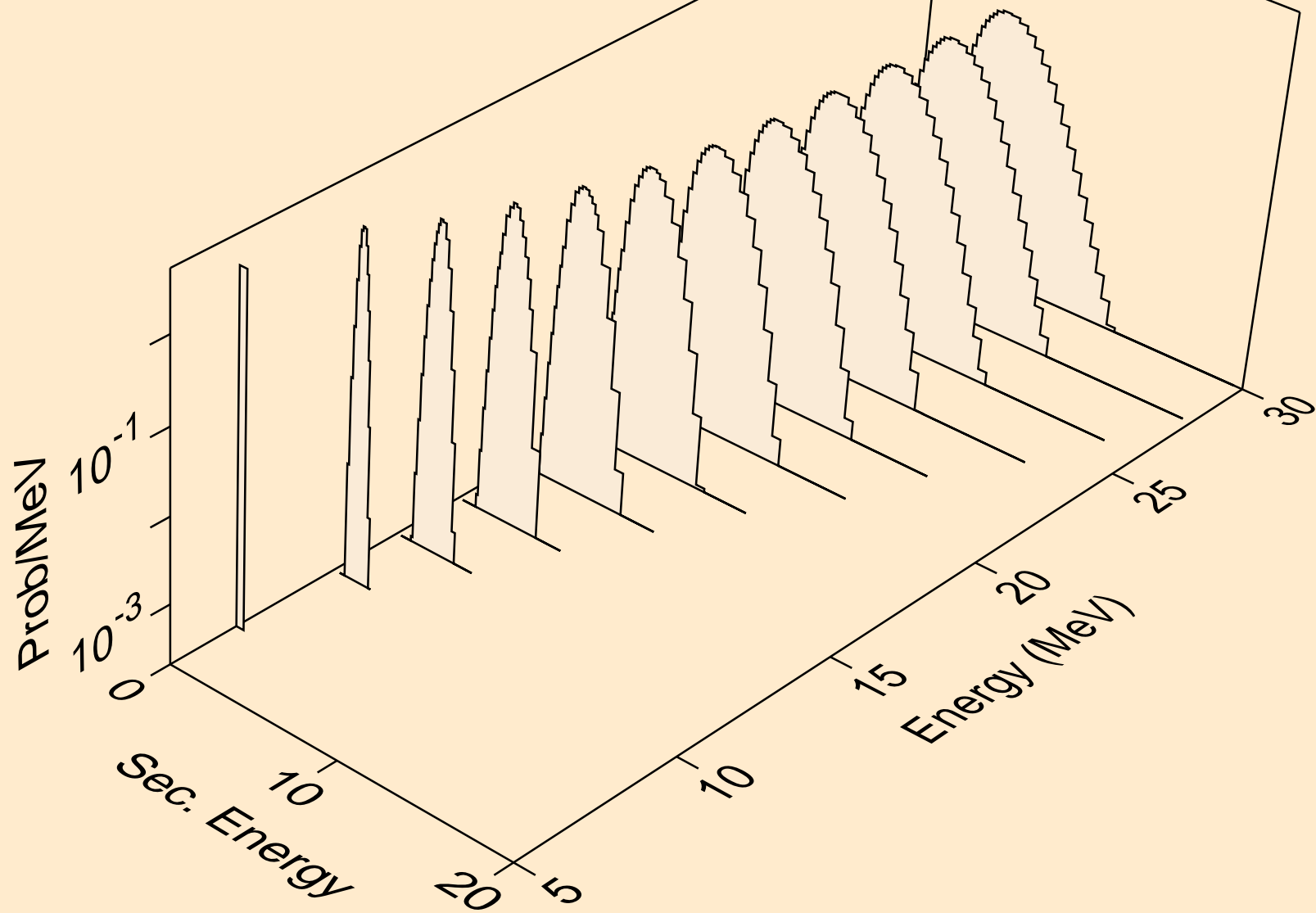
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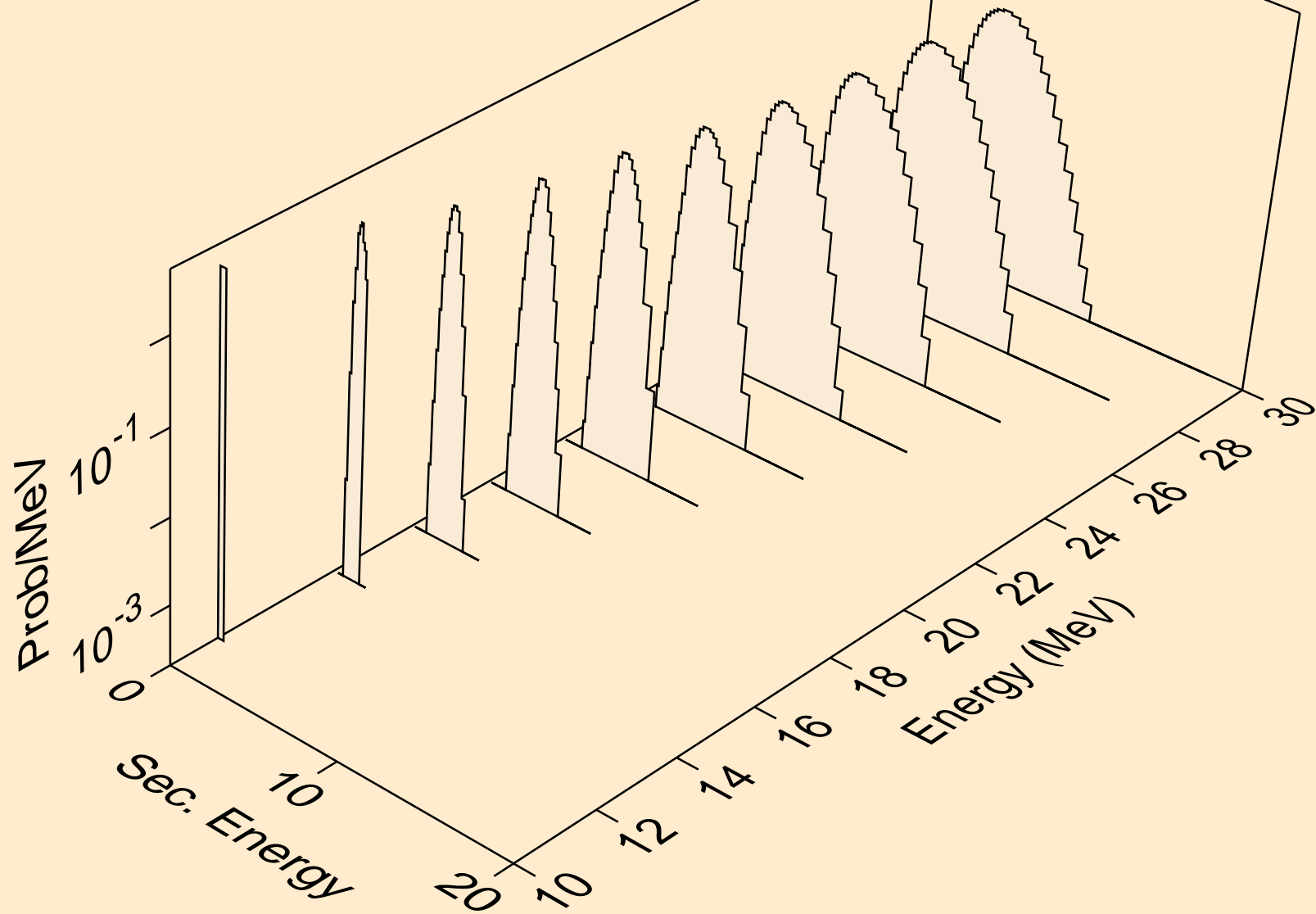
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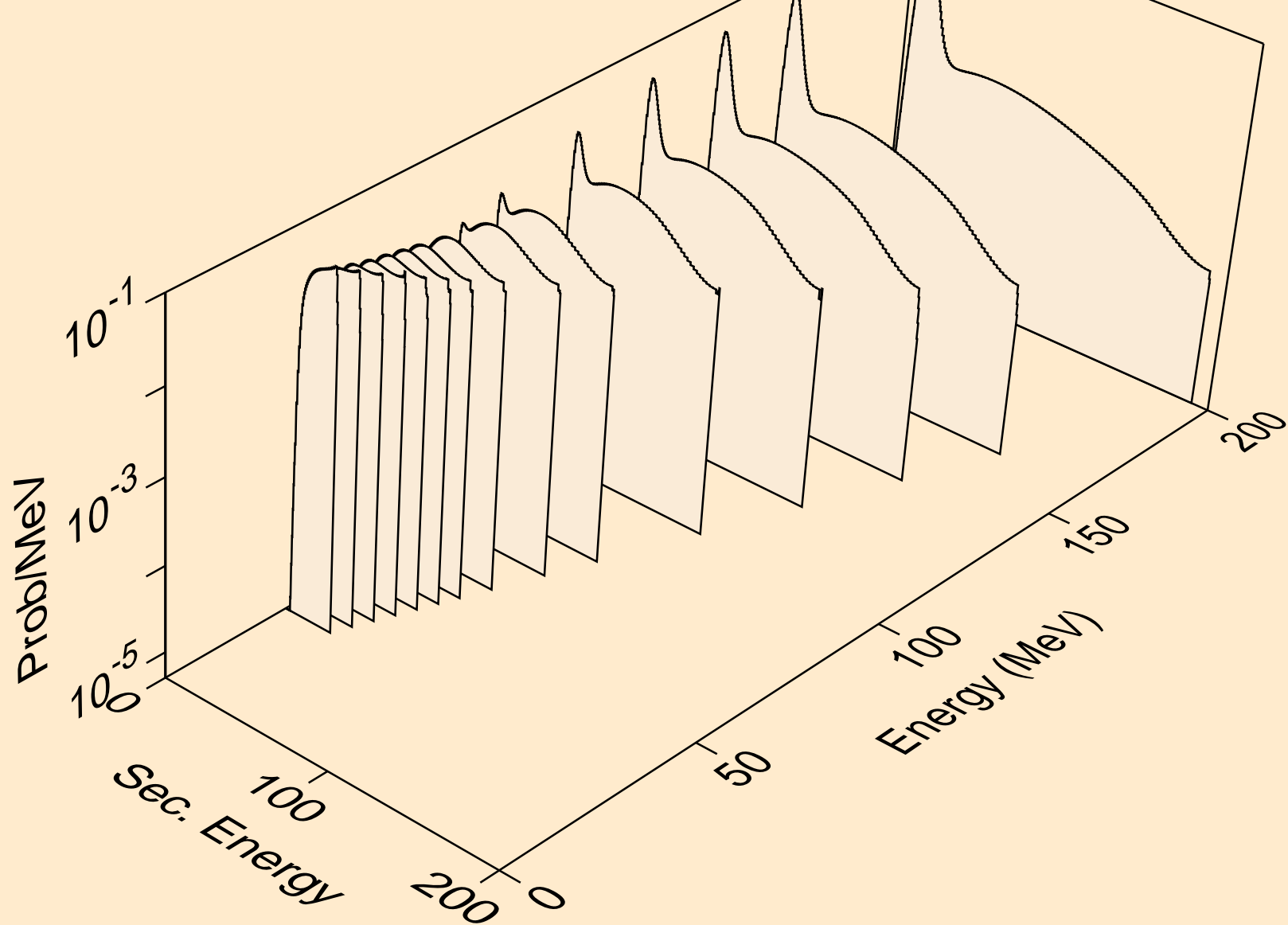
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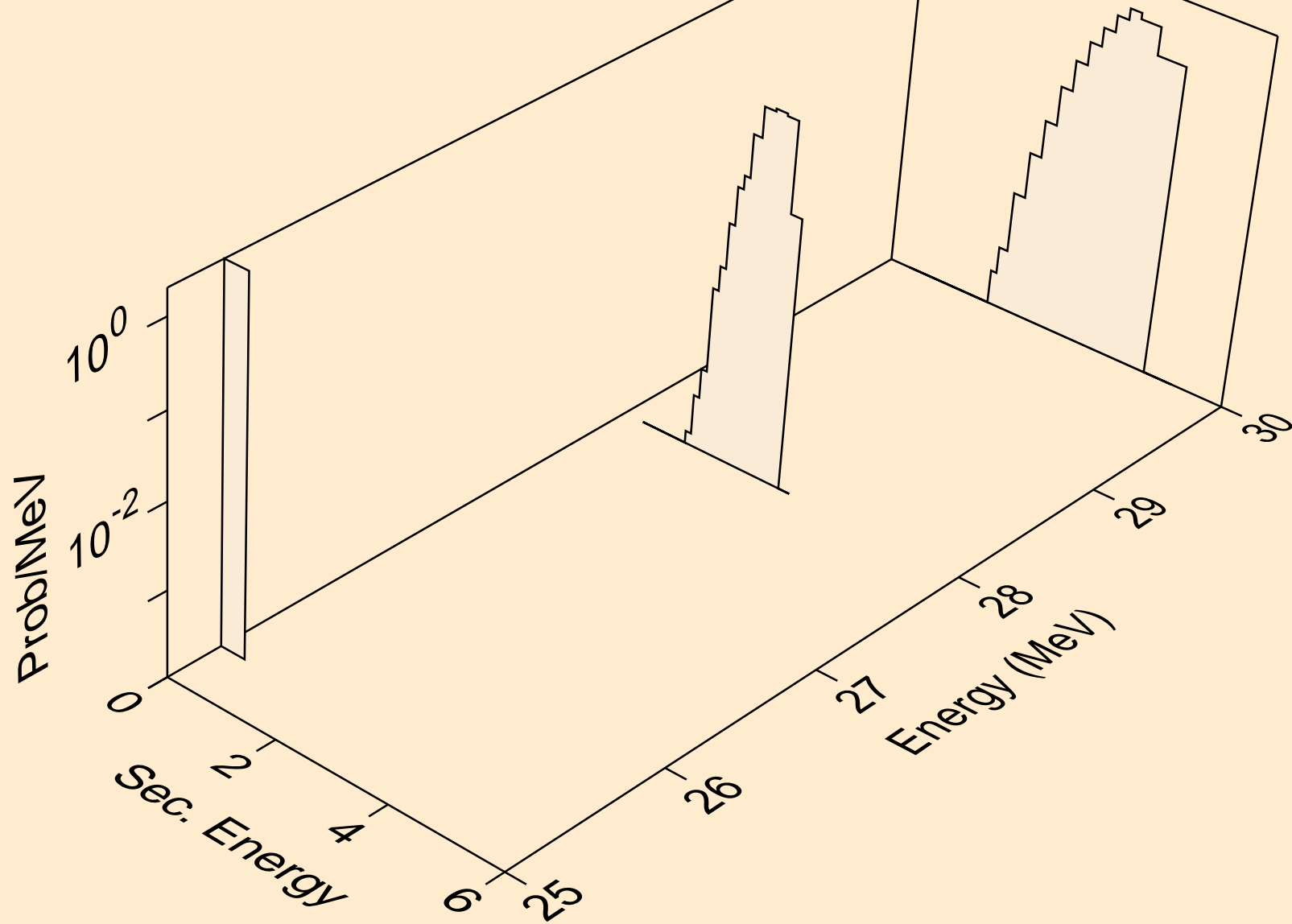
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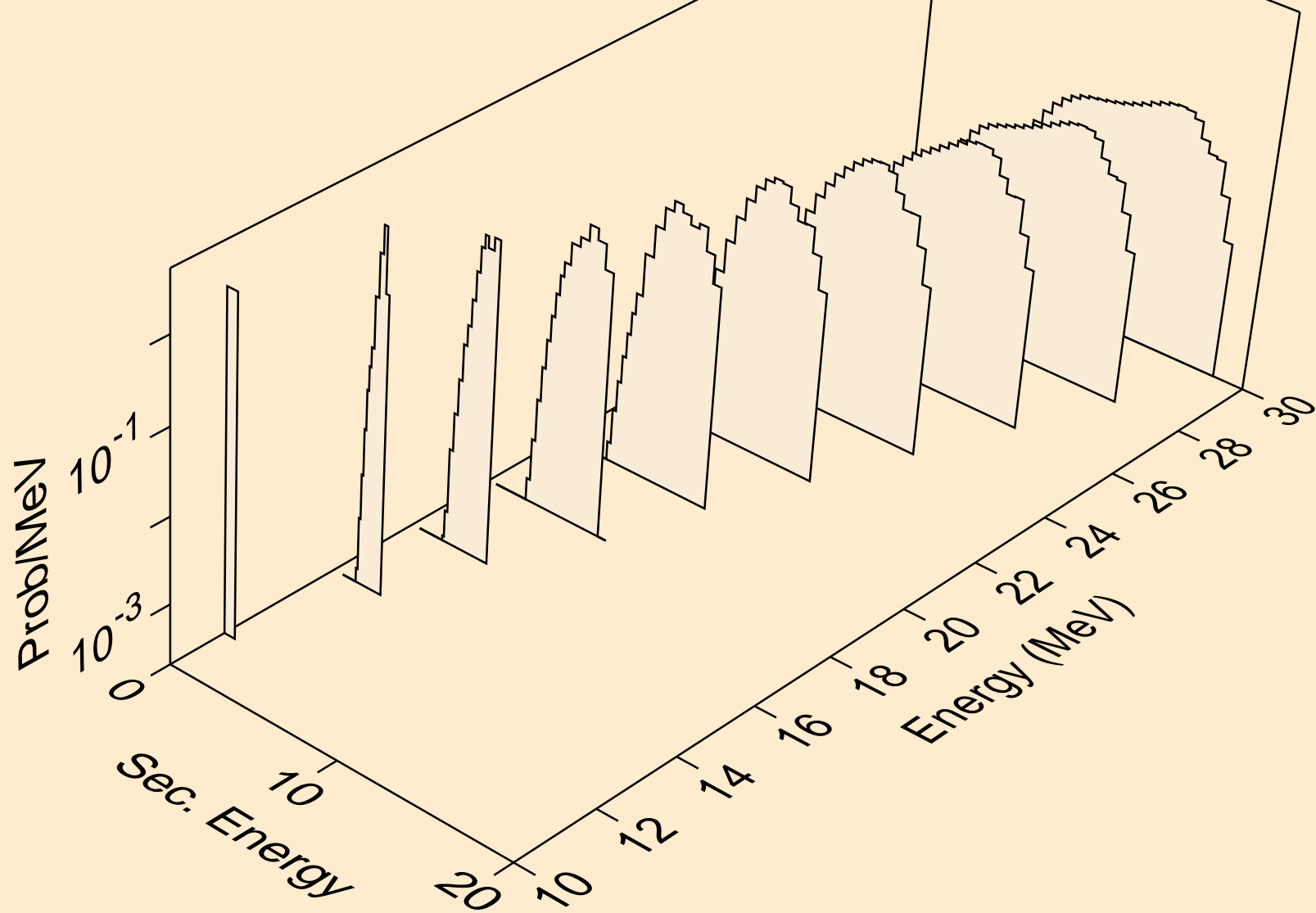
TC090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,x)



TC090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
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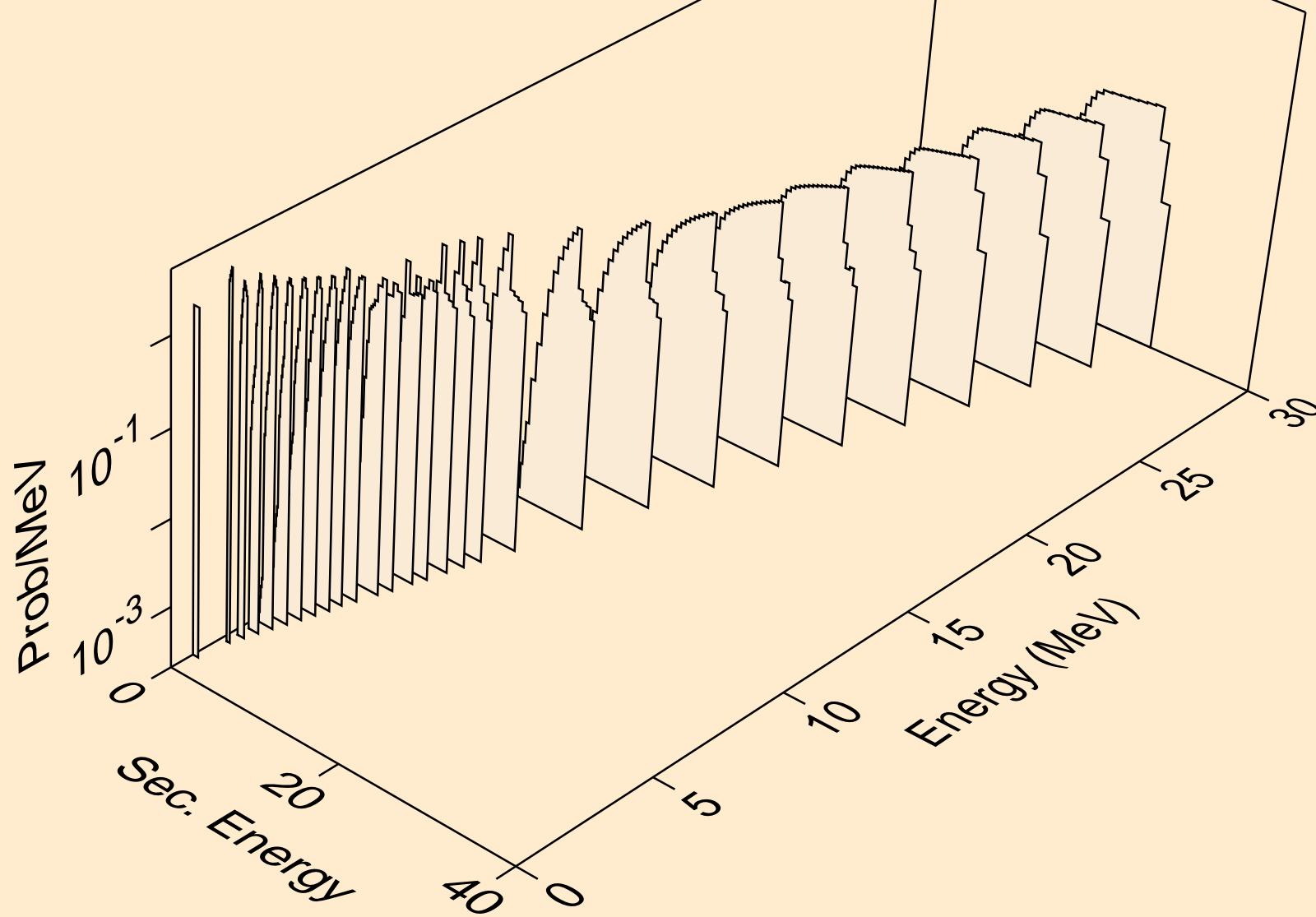


TC090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
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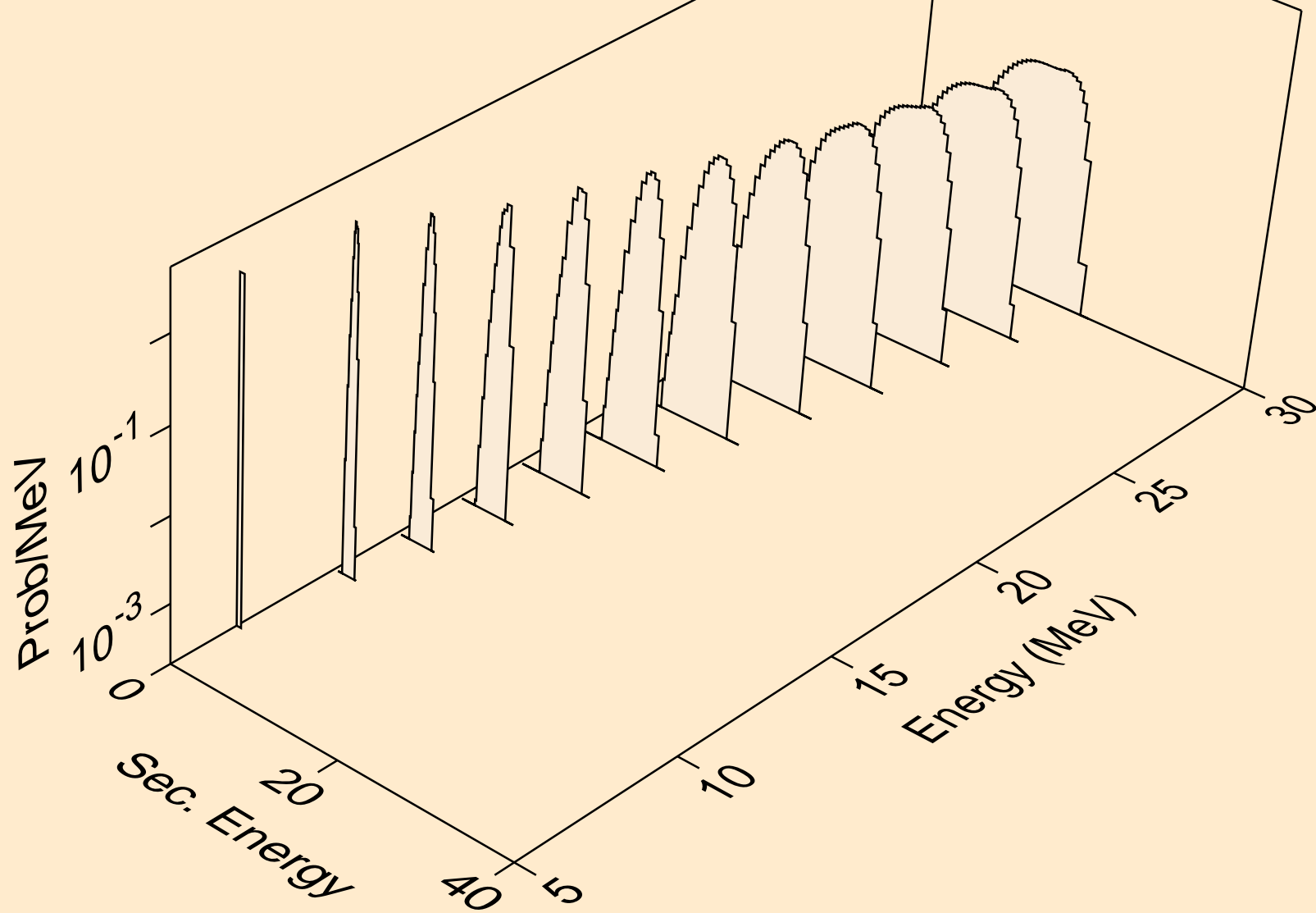




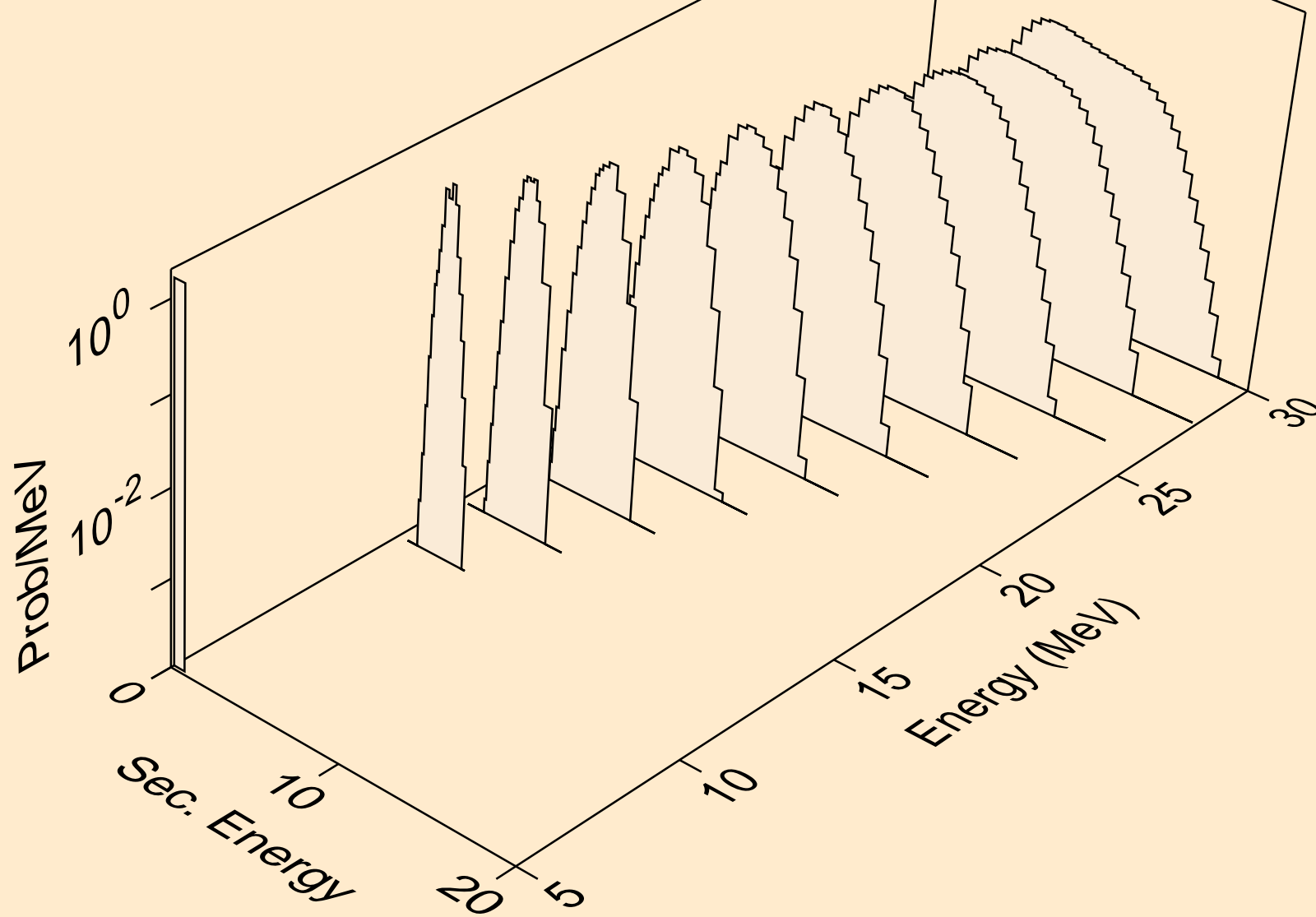
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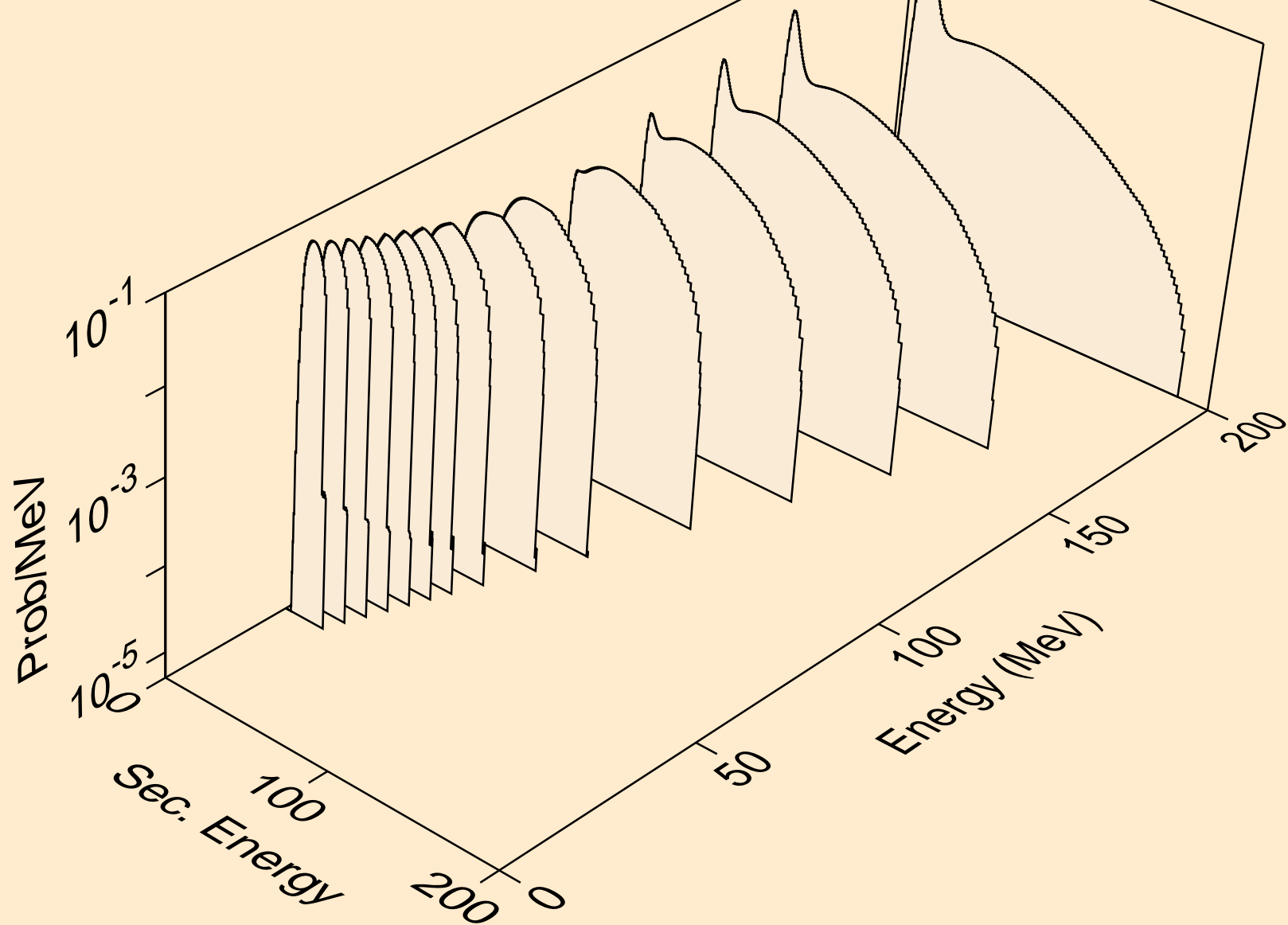
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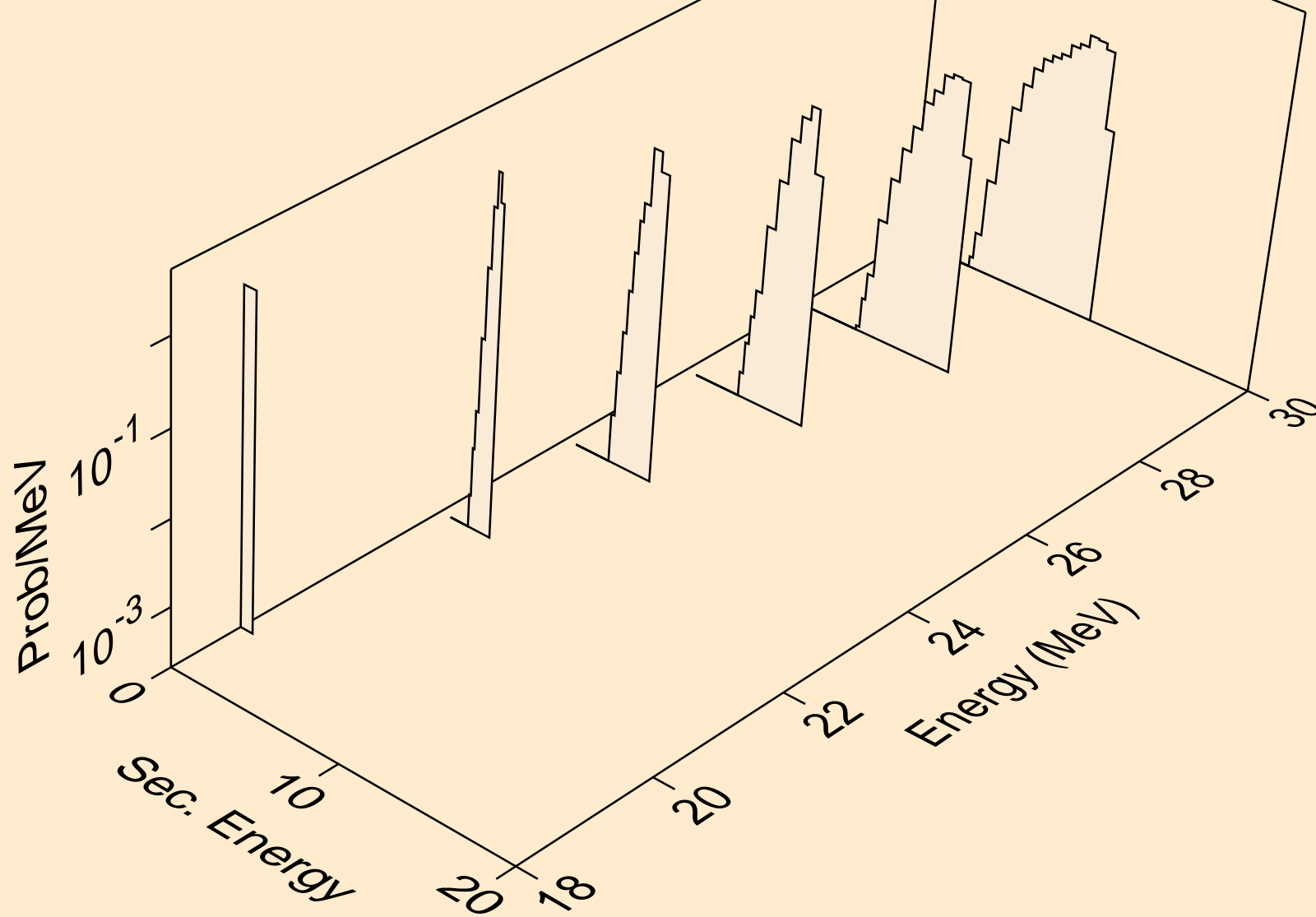
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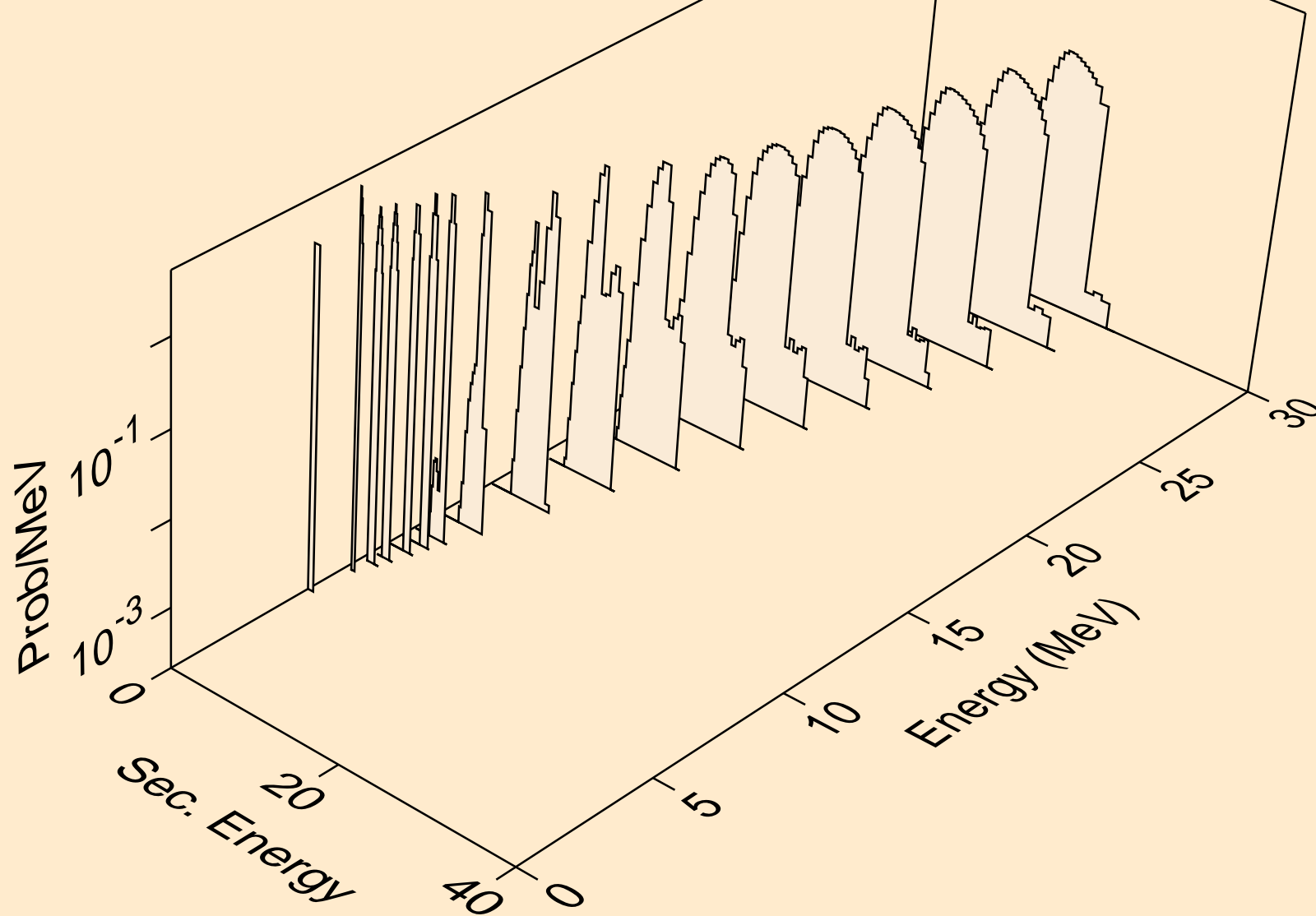
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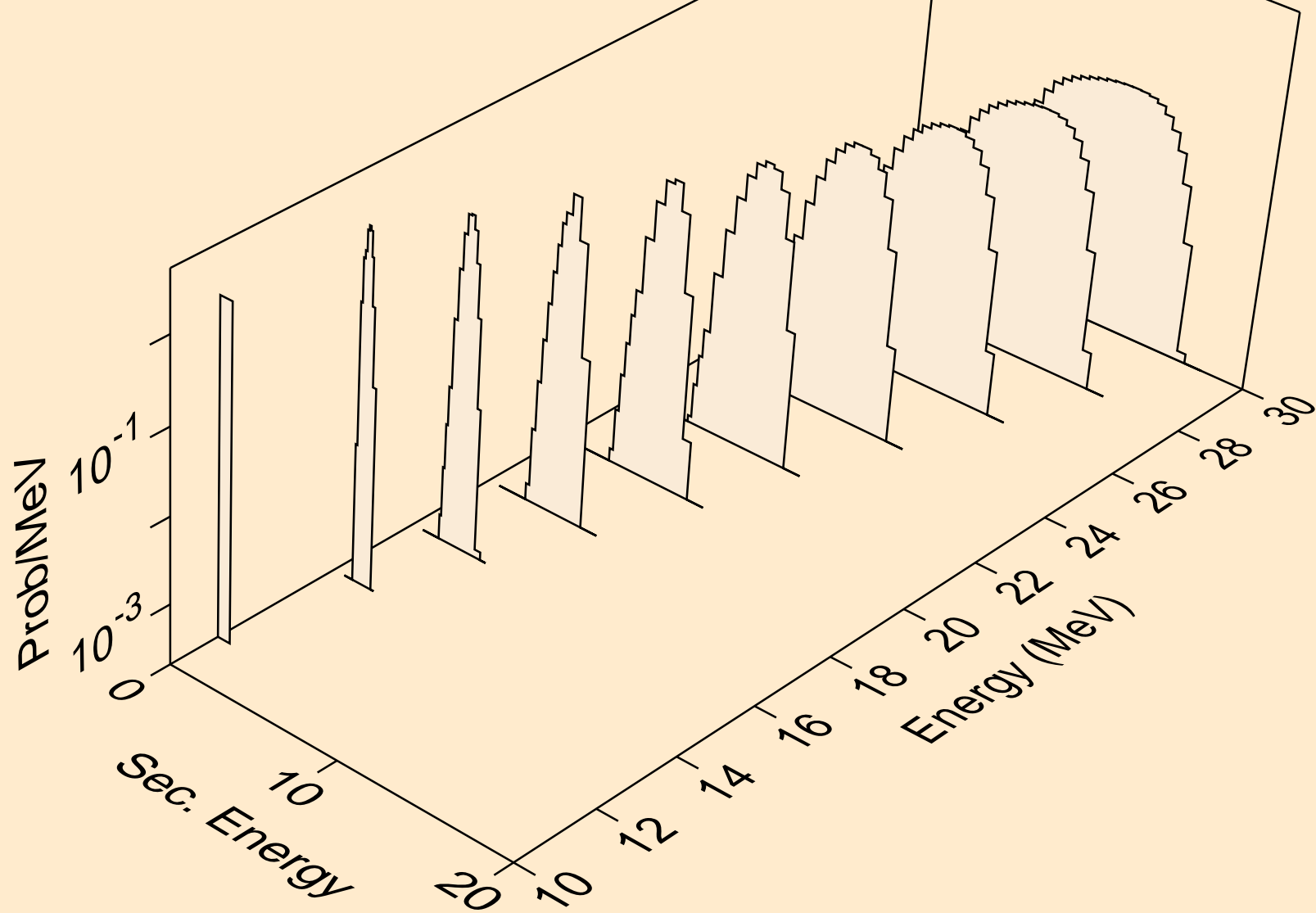
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tritons from (n,n\*)t



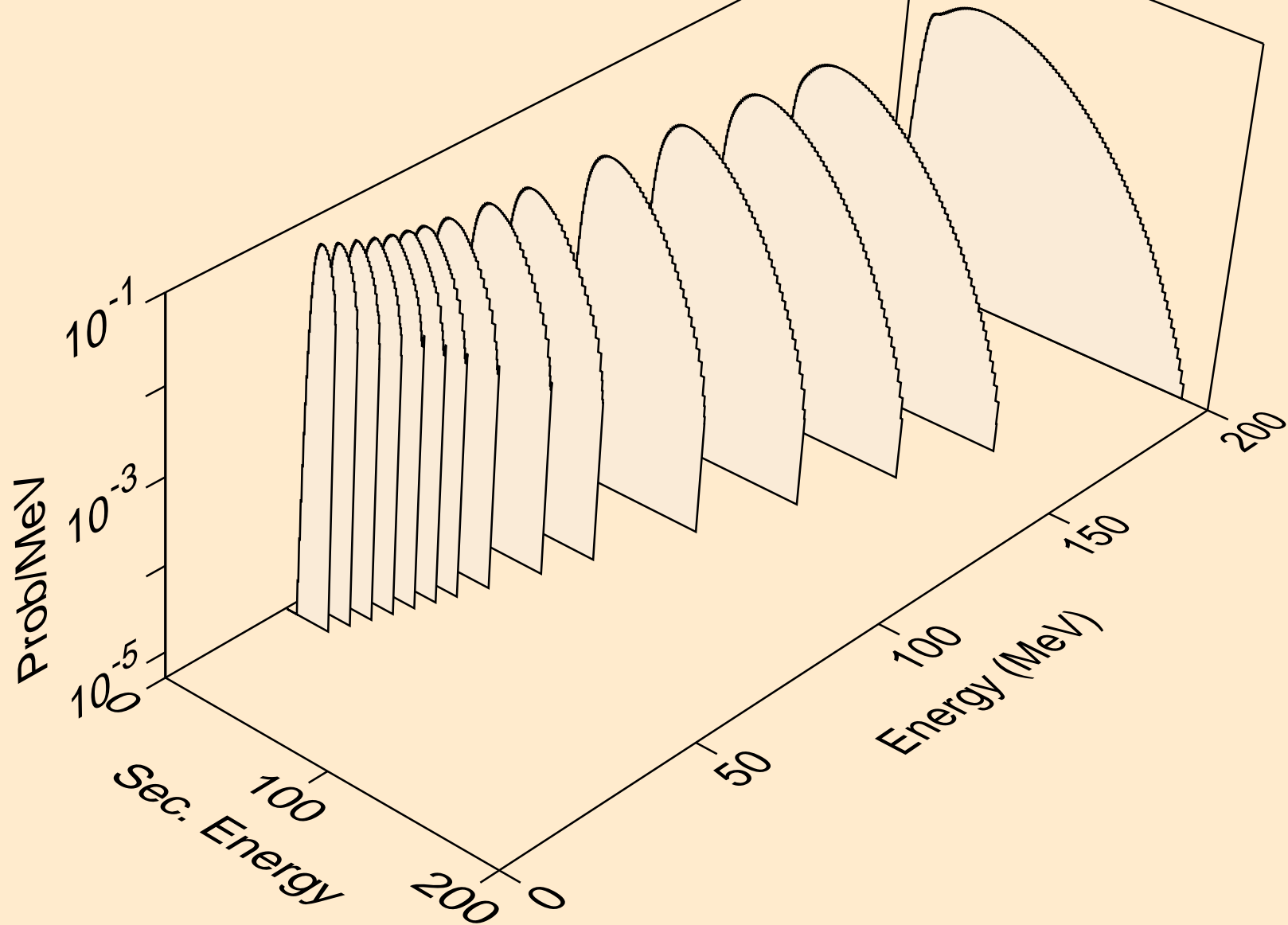
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tritons from (n,t)



TC090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,pt)

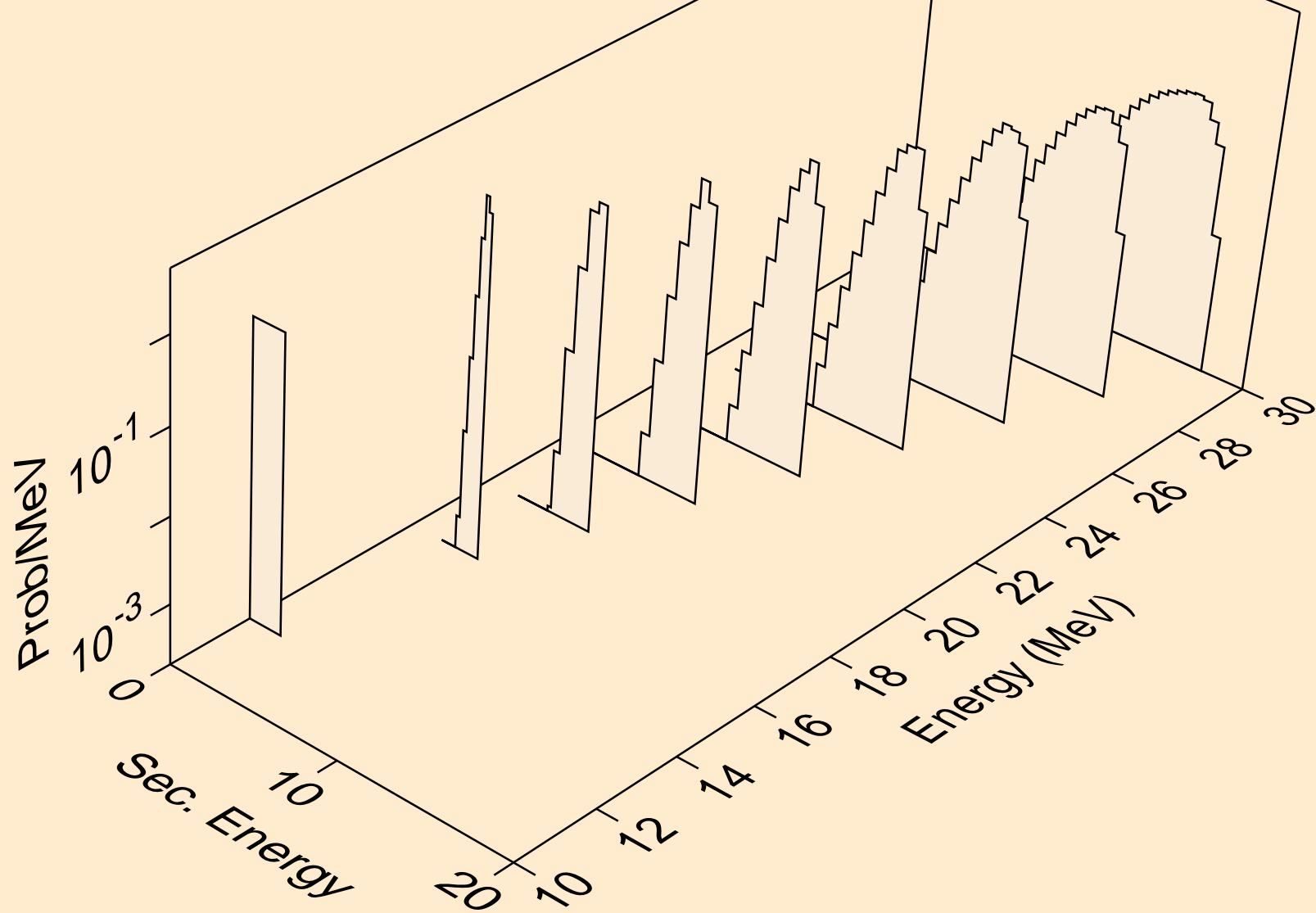


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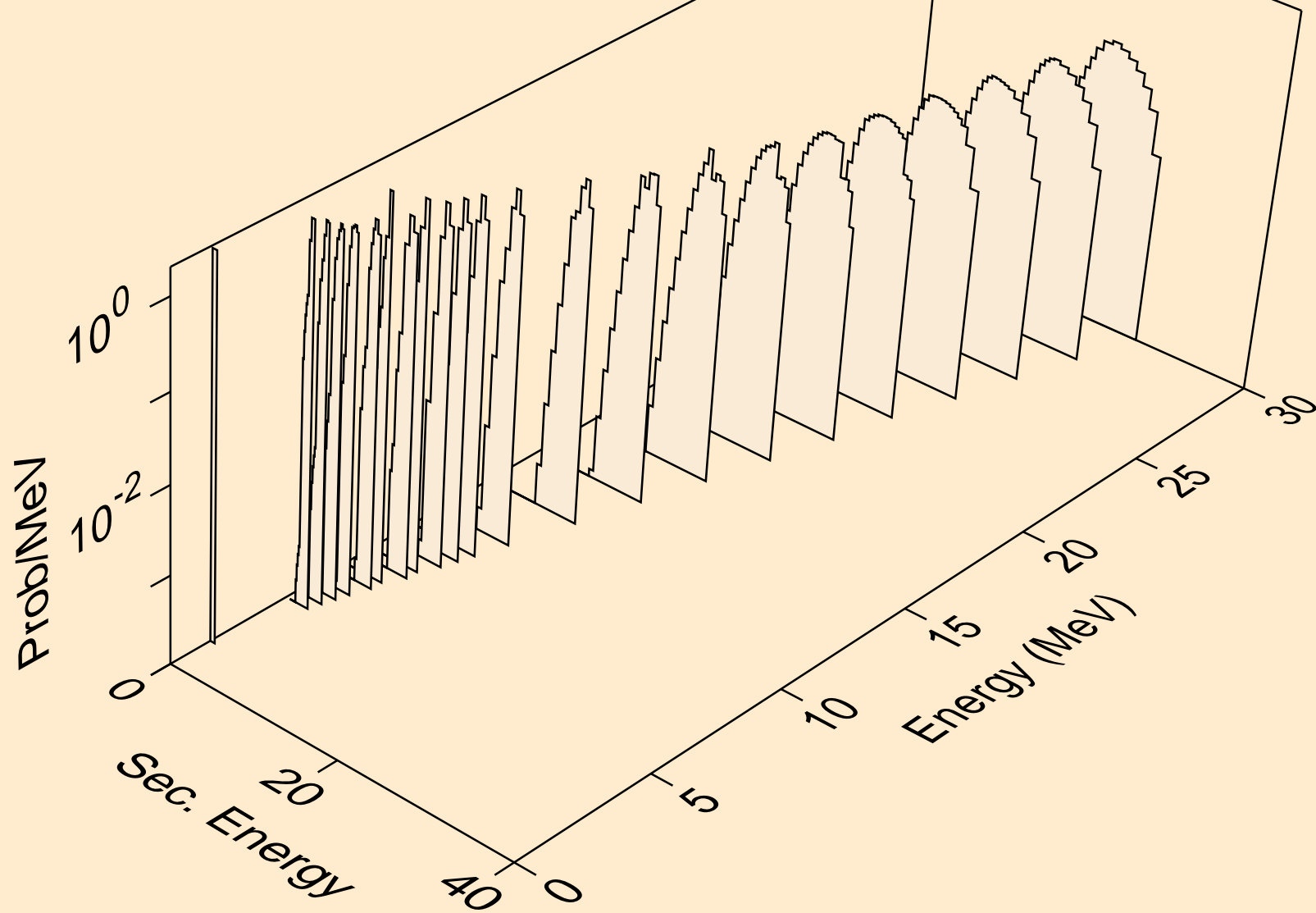




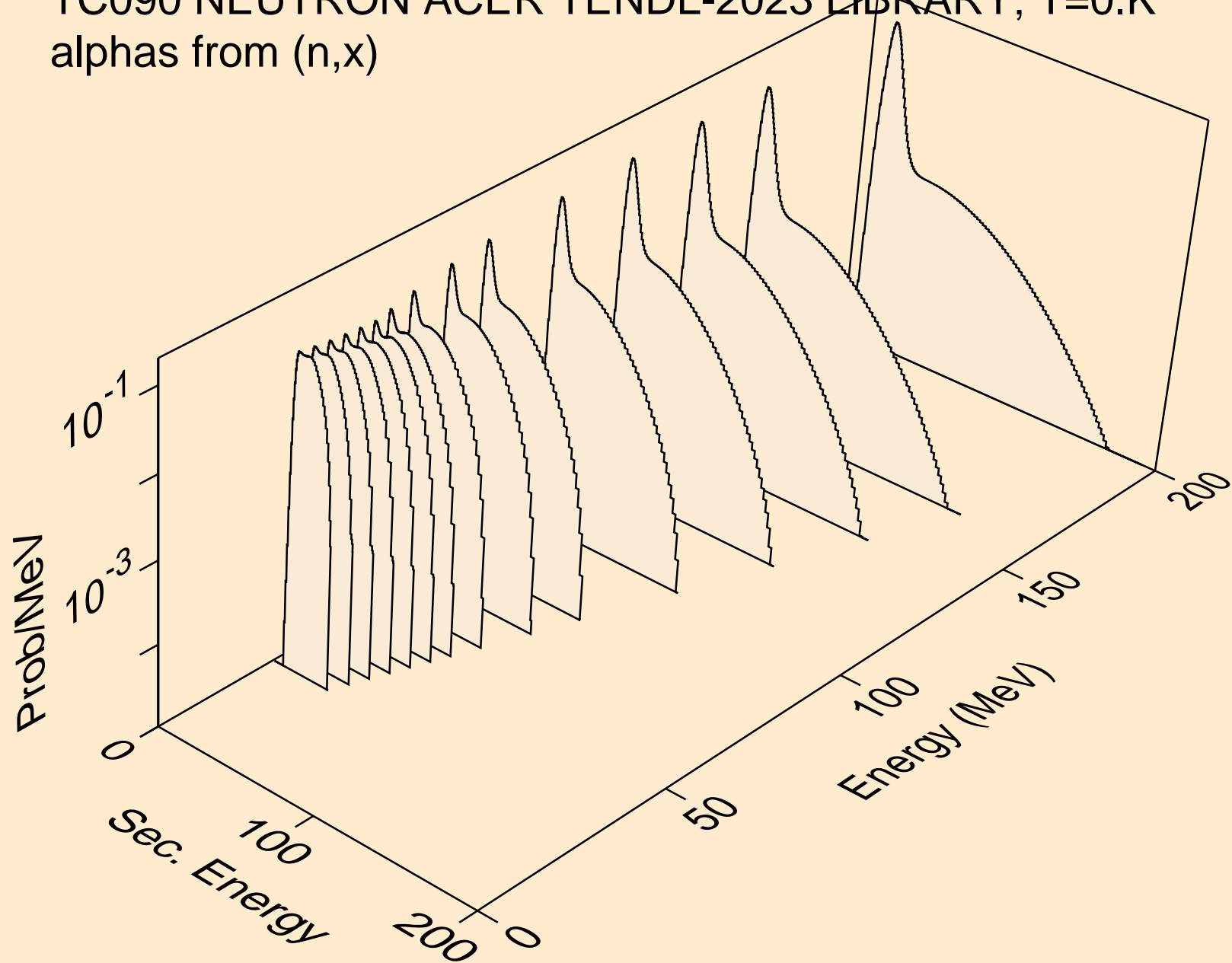
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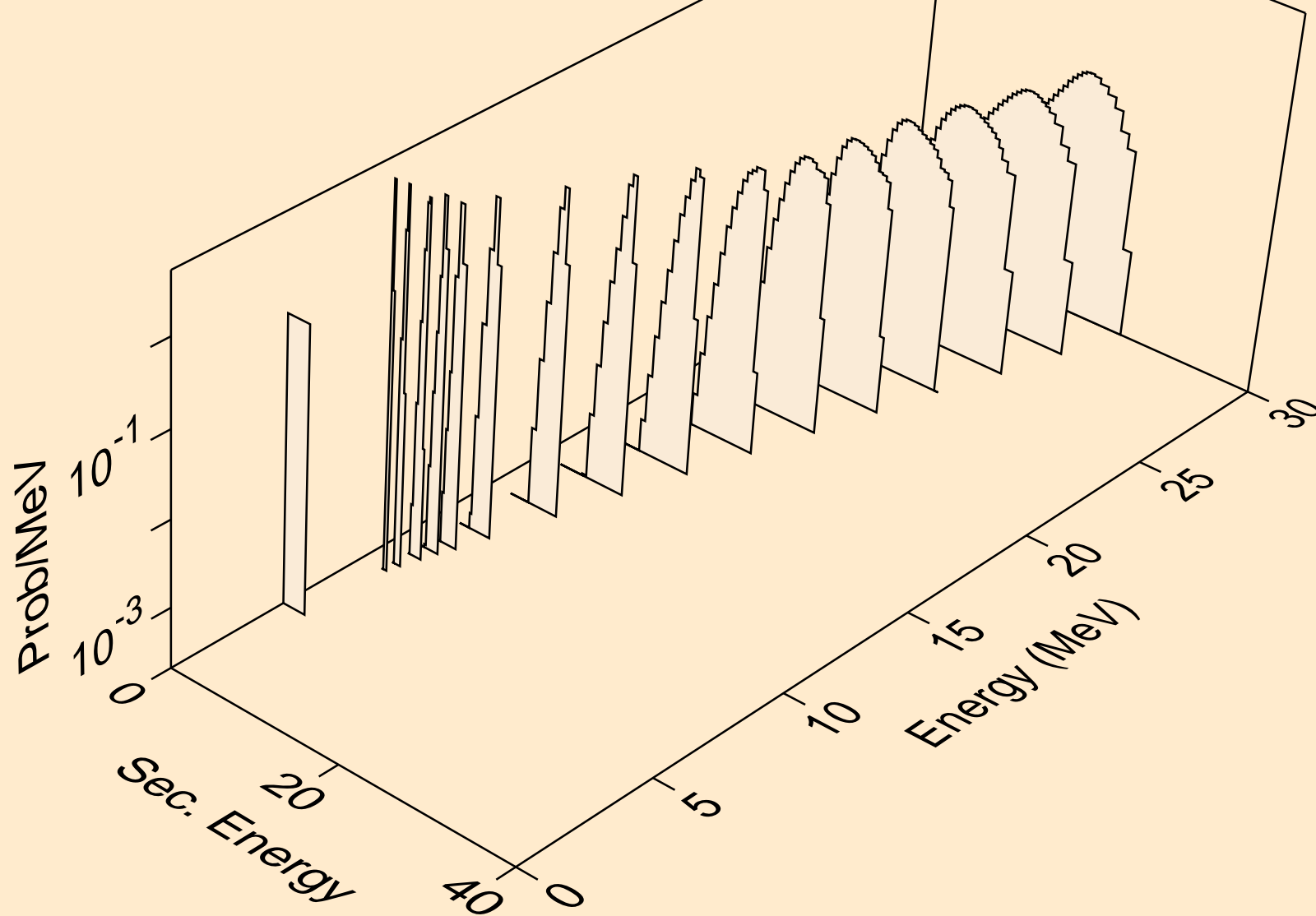
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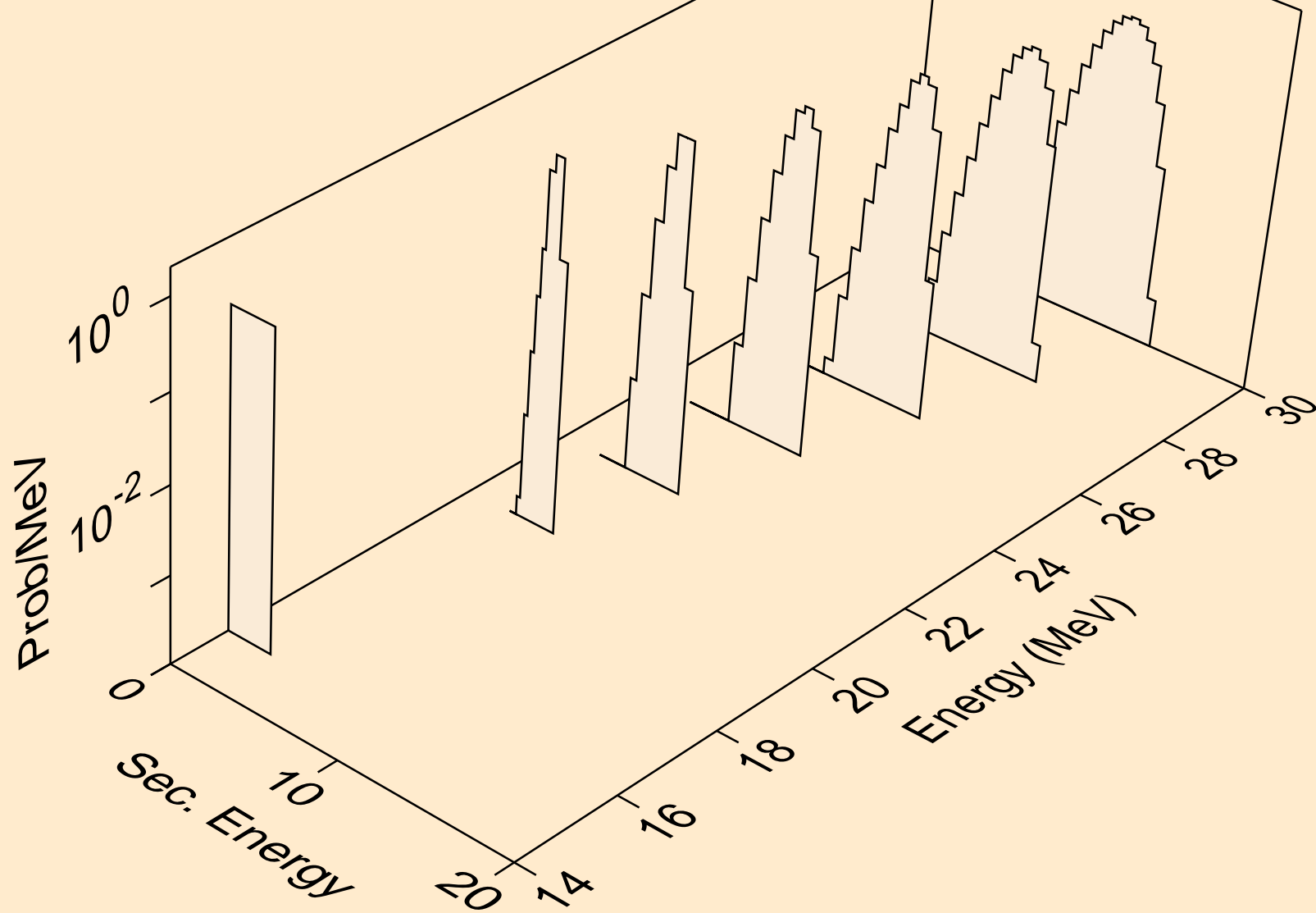
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alphas from (n,x)



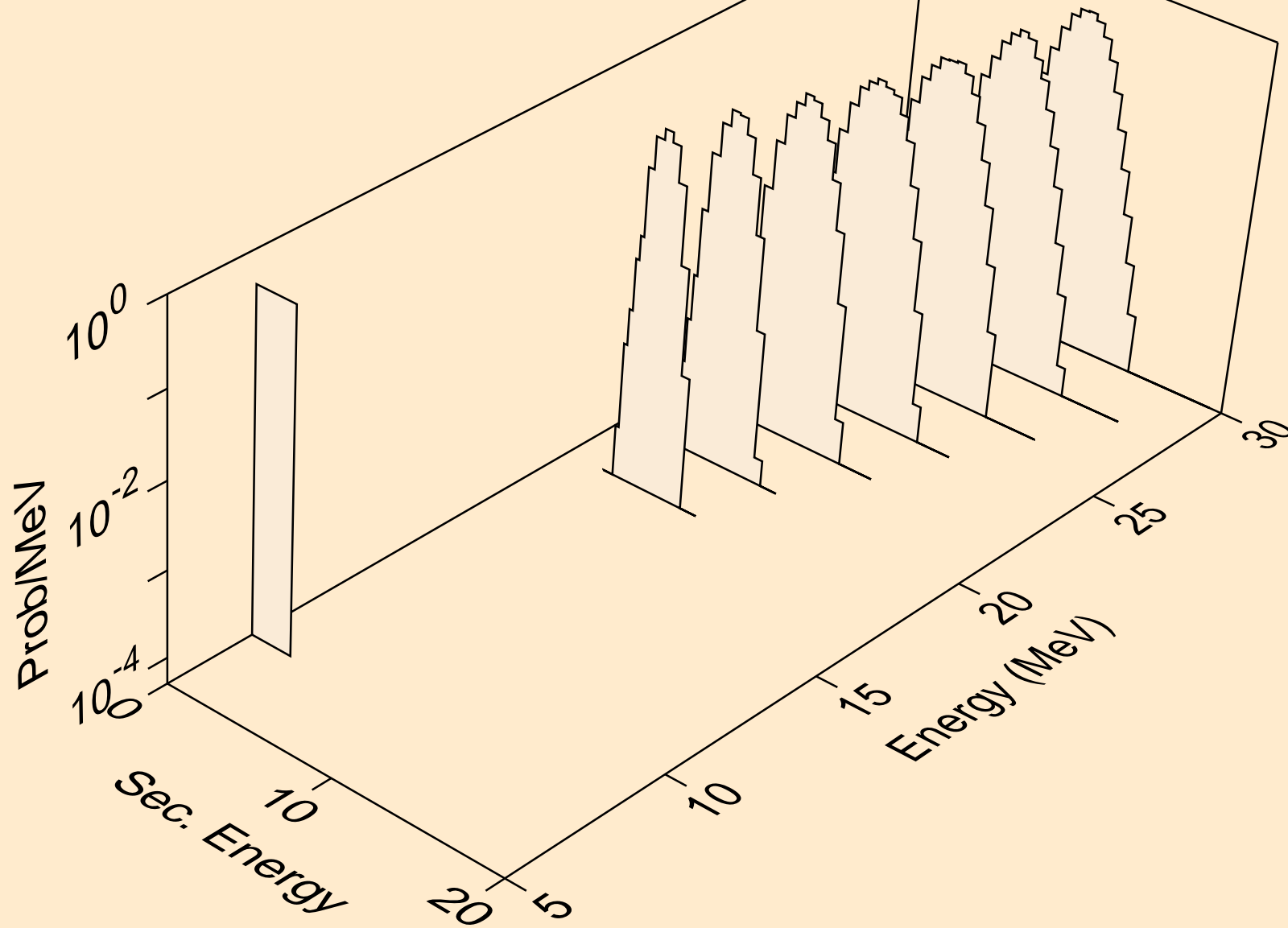
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alphas from (n,n\*)a



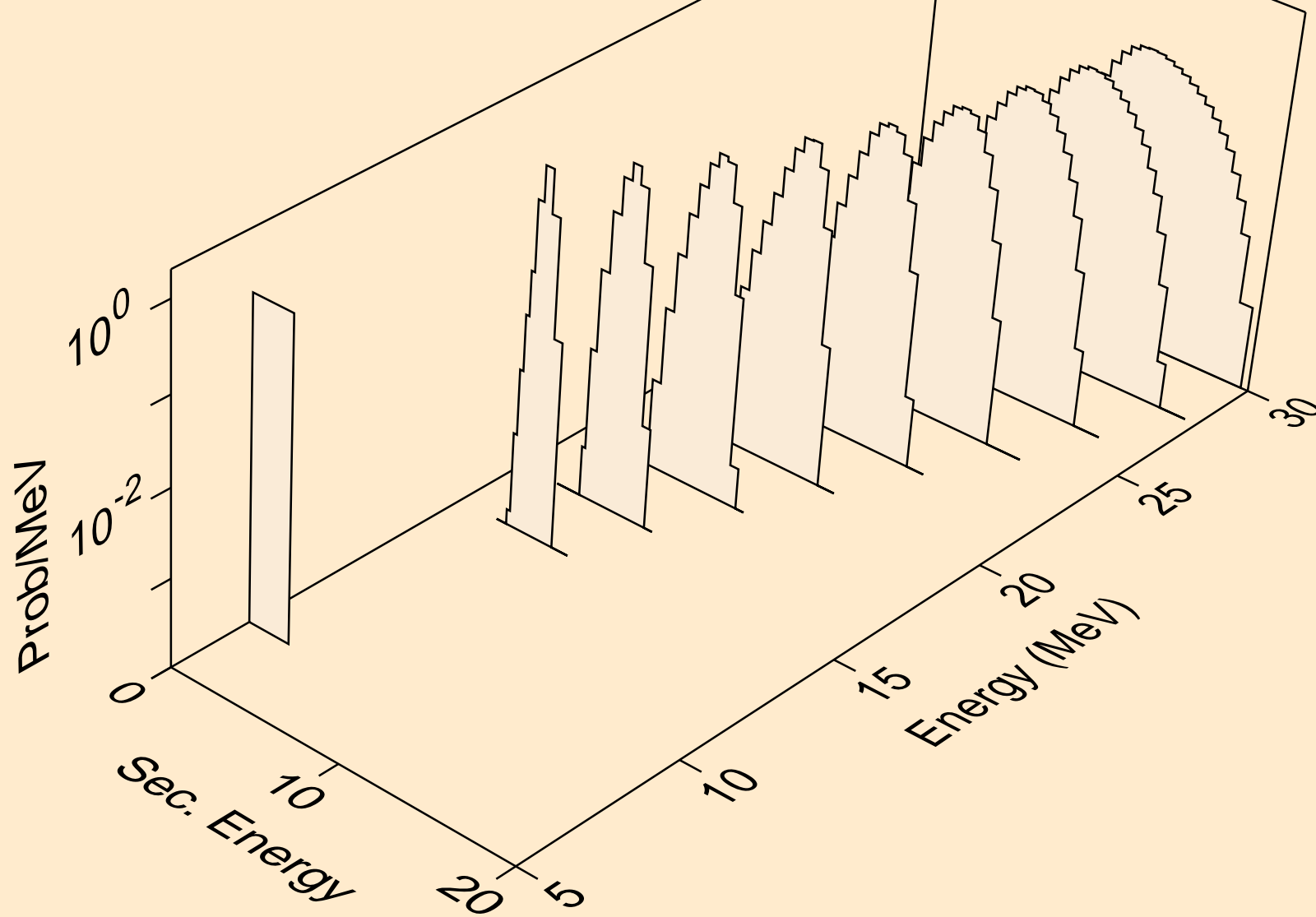
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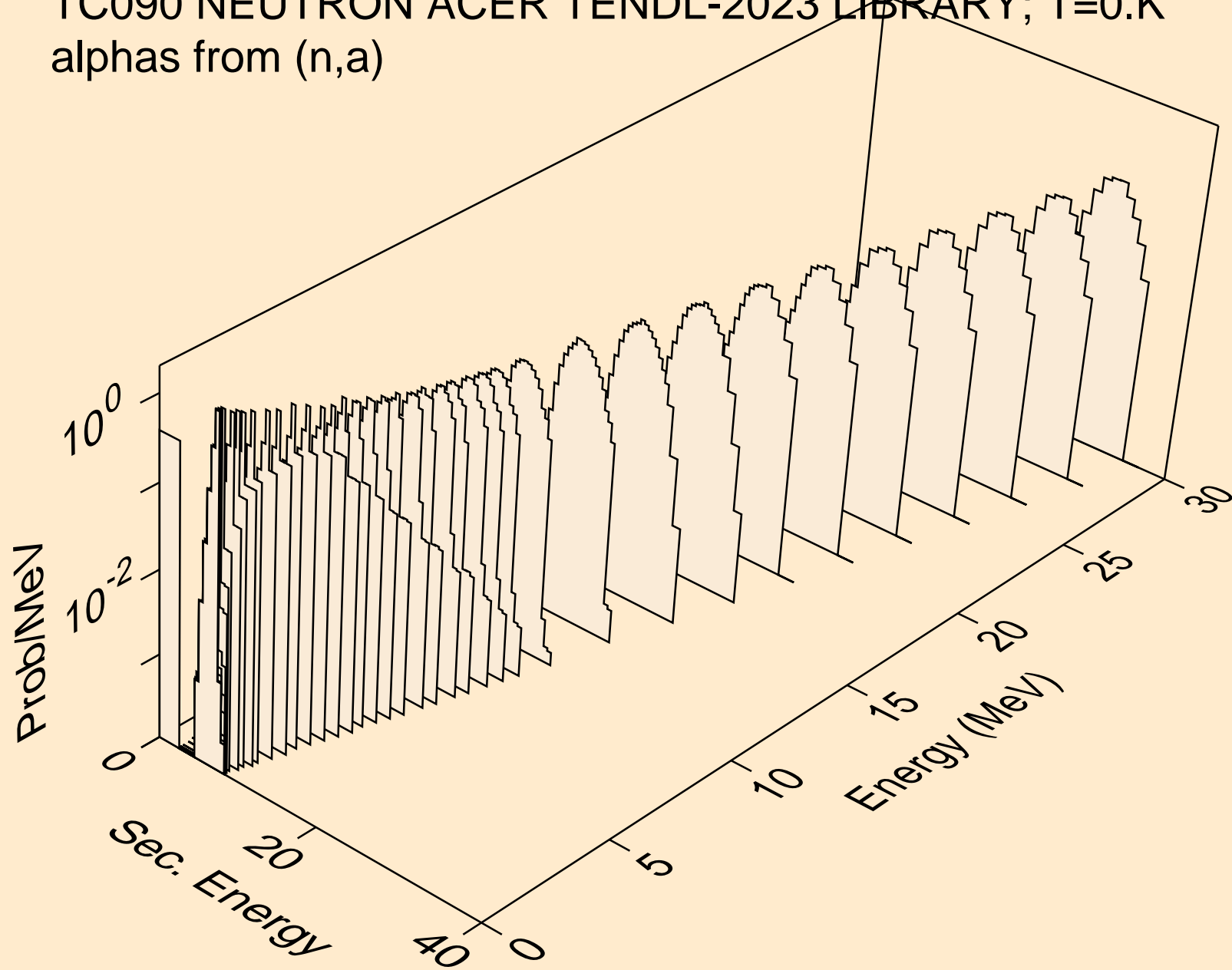
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alphas from (n,n\*)2a



TC090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
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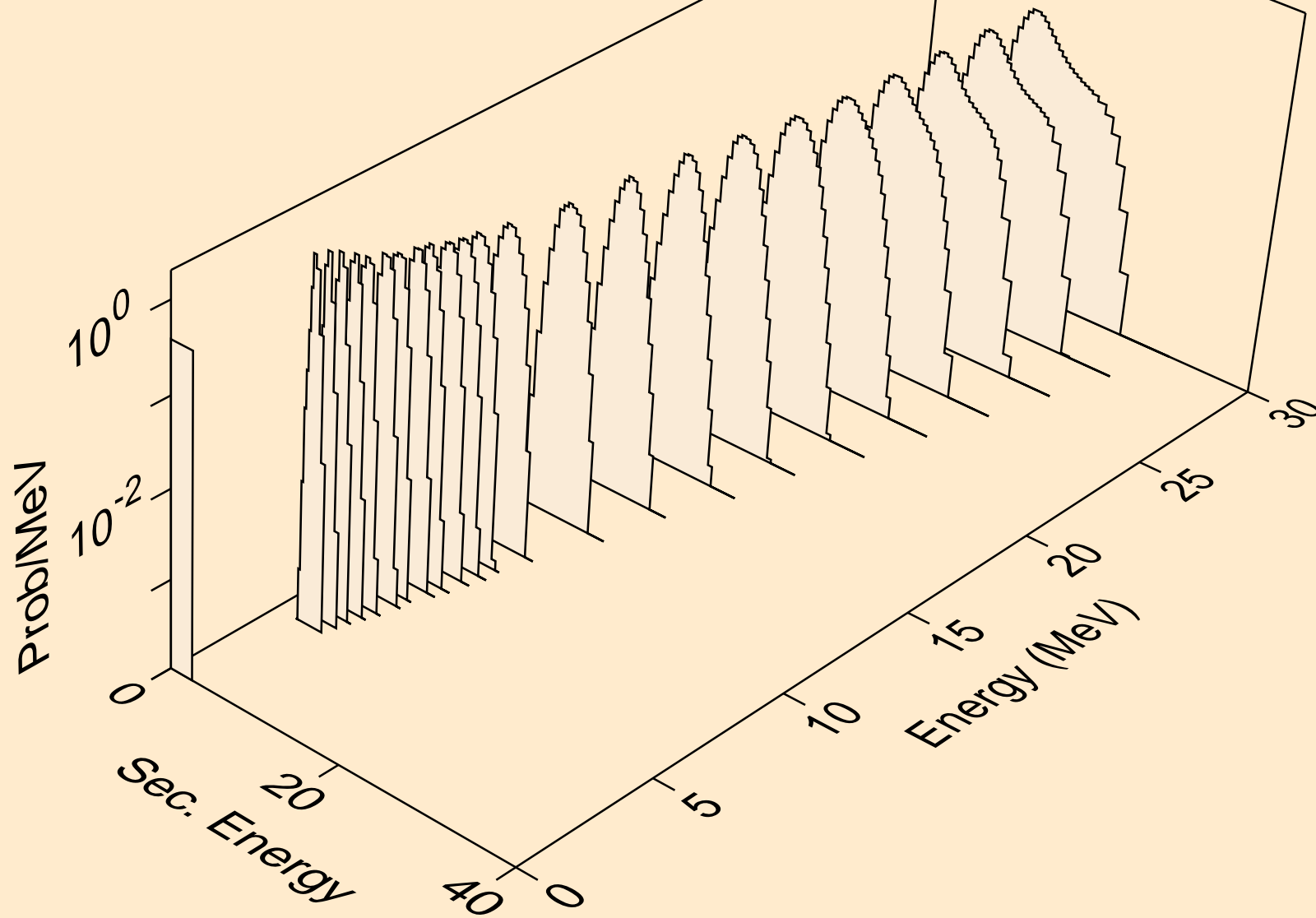


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alphas from (n,a)

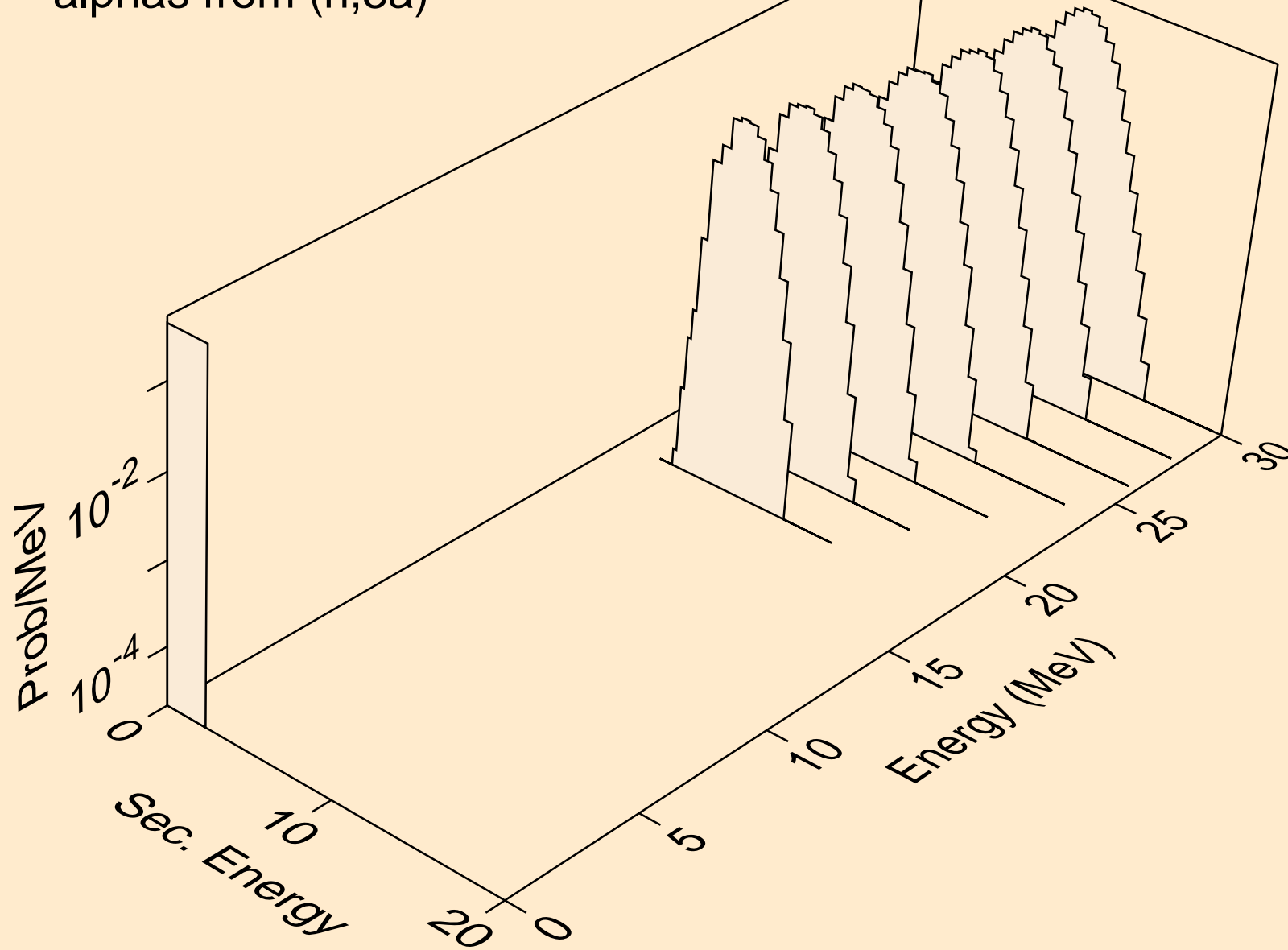




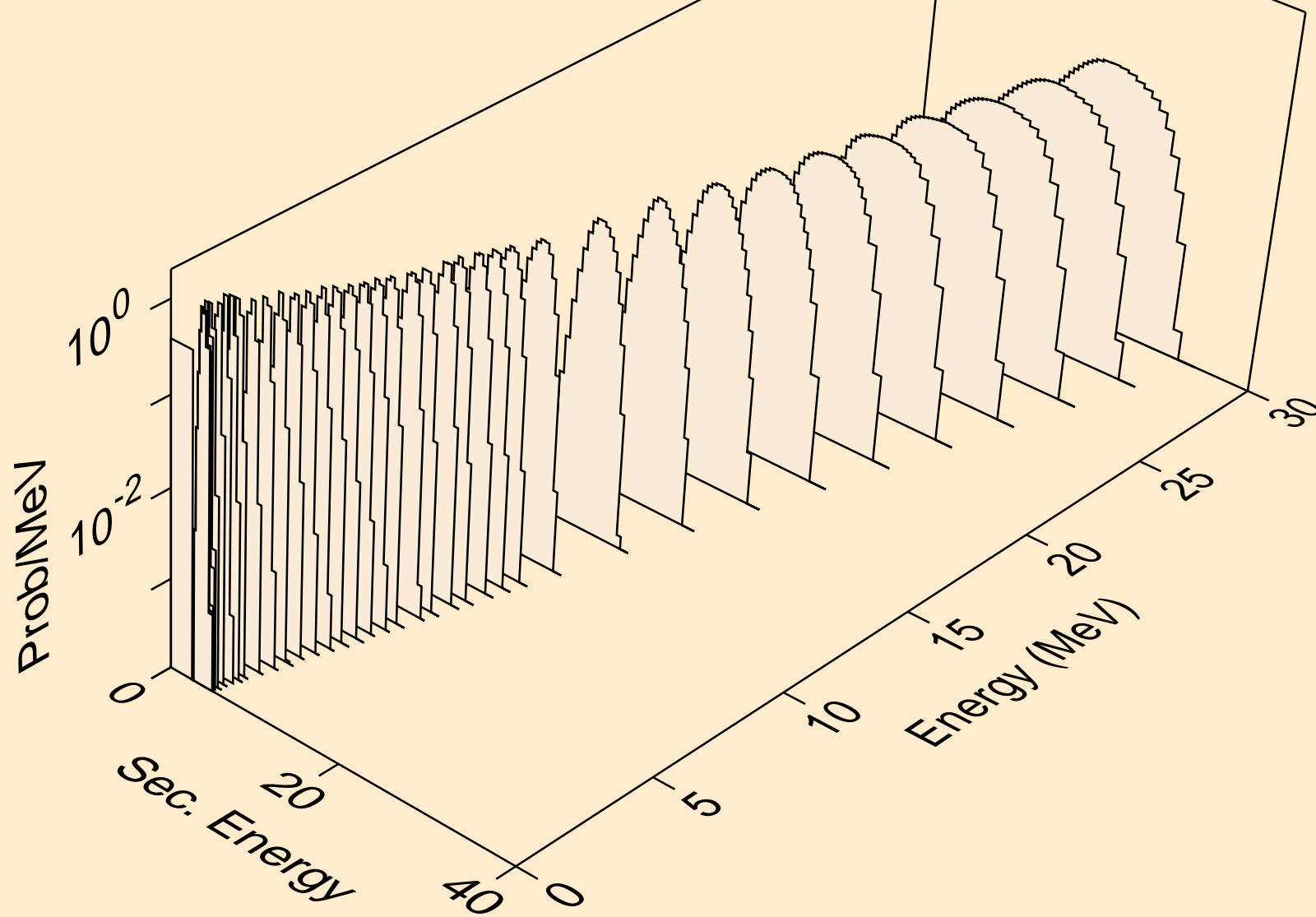
TC090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2a)



TC090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,3a)



TC090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,pa)



TC090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,da)

