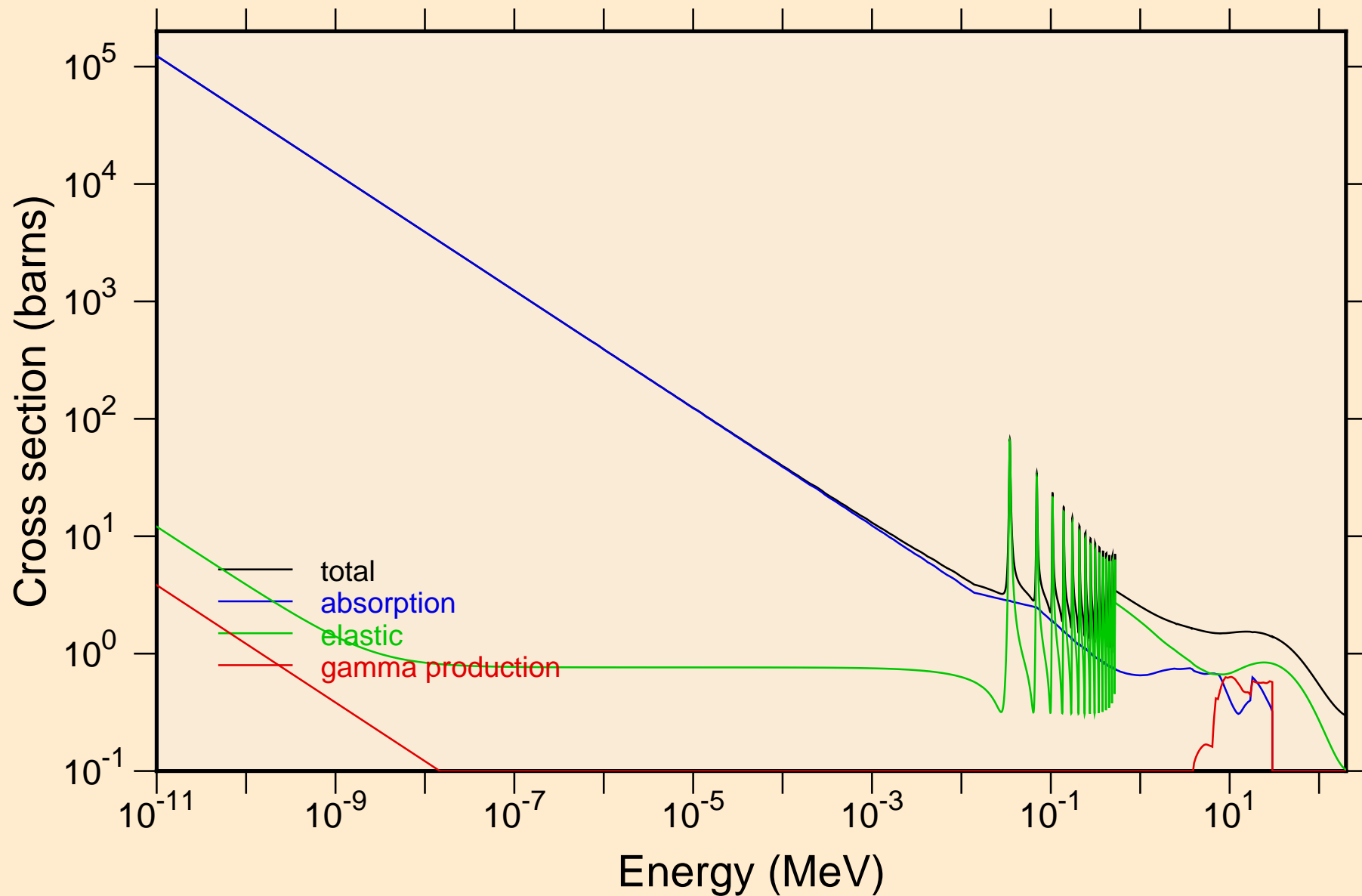
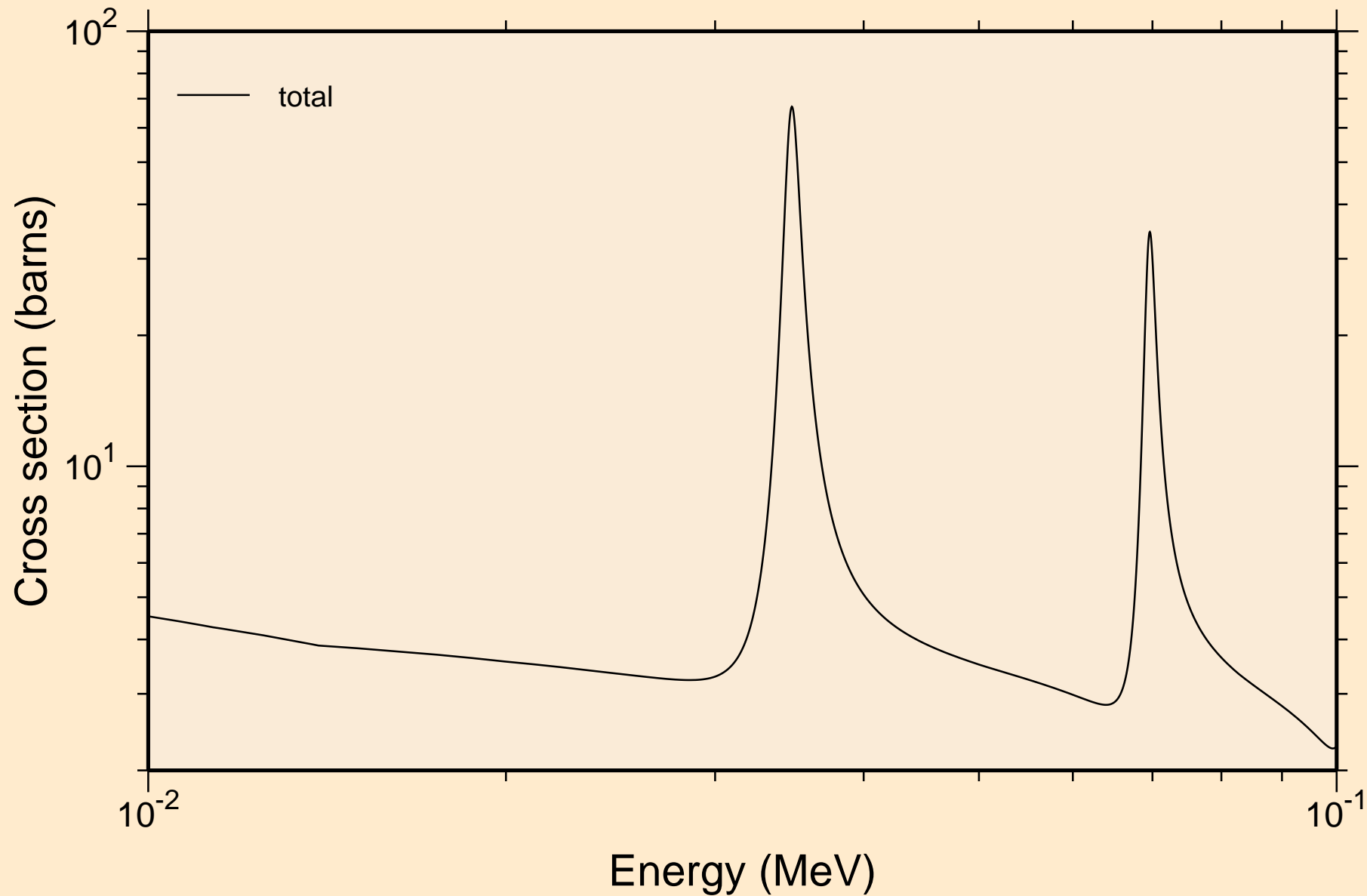


# N013 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

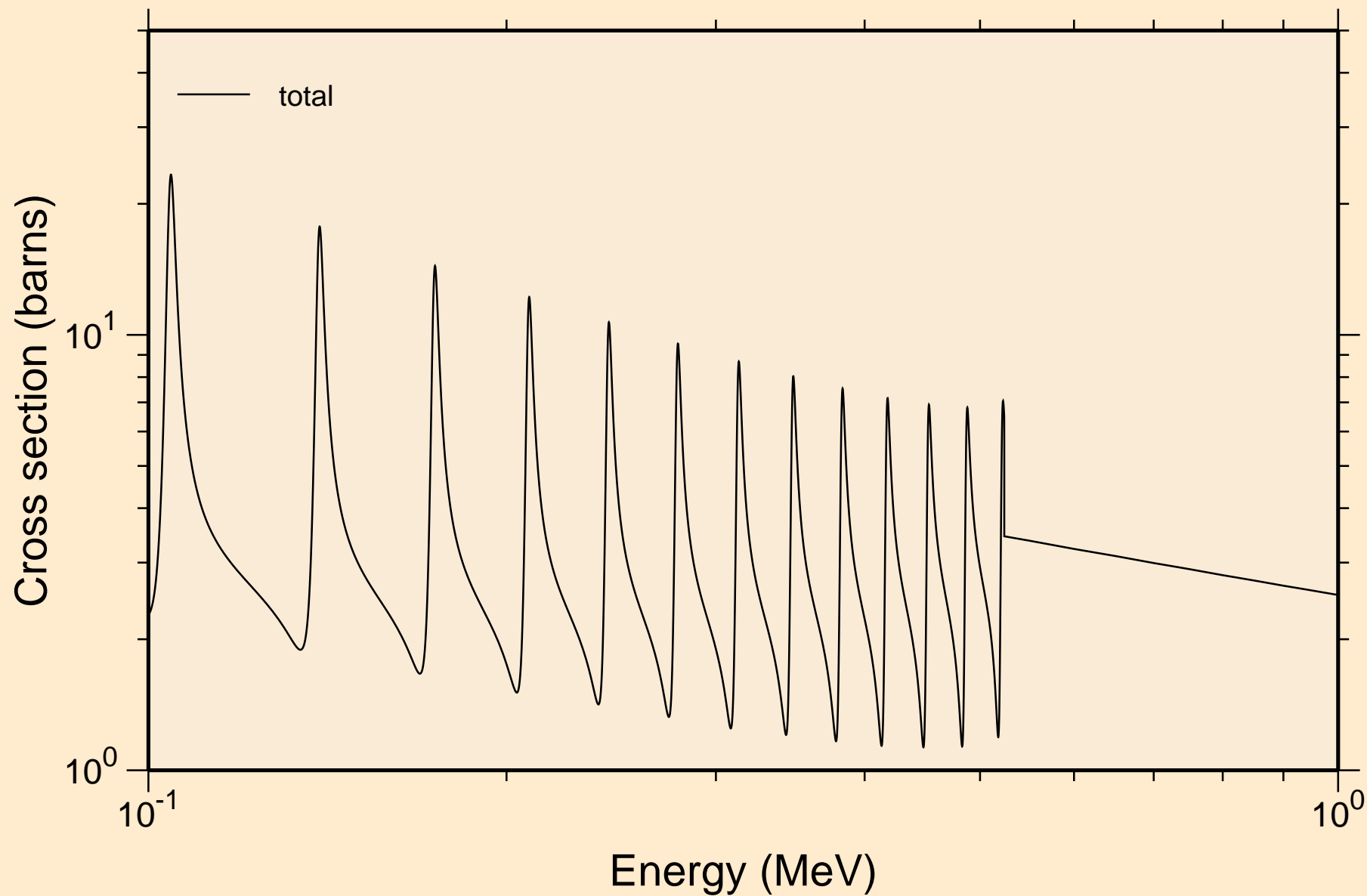
## Principal cross sections



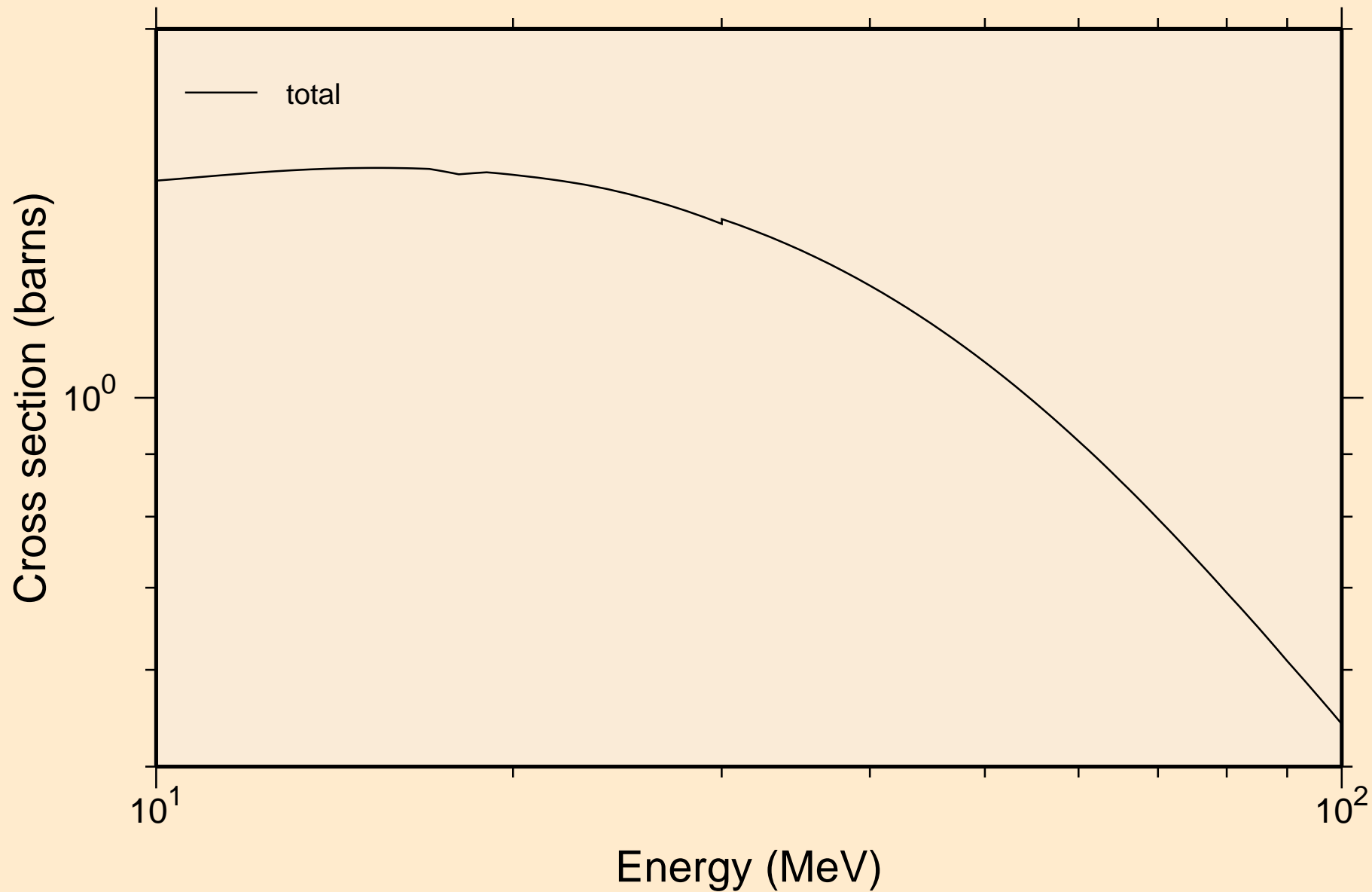
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resonance total cross section



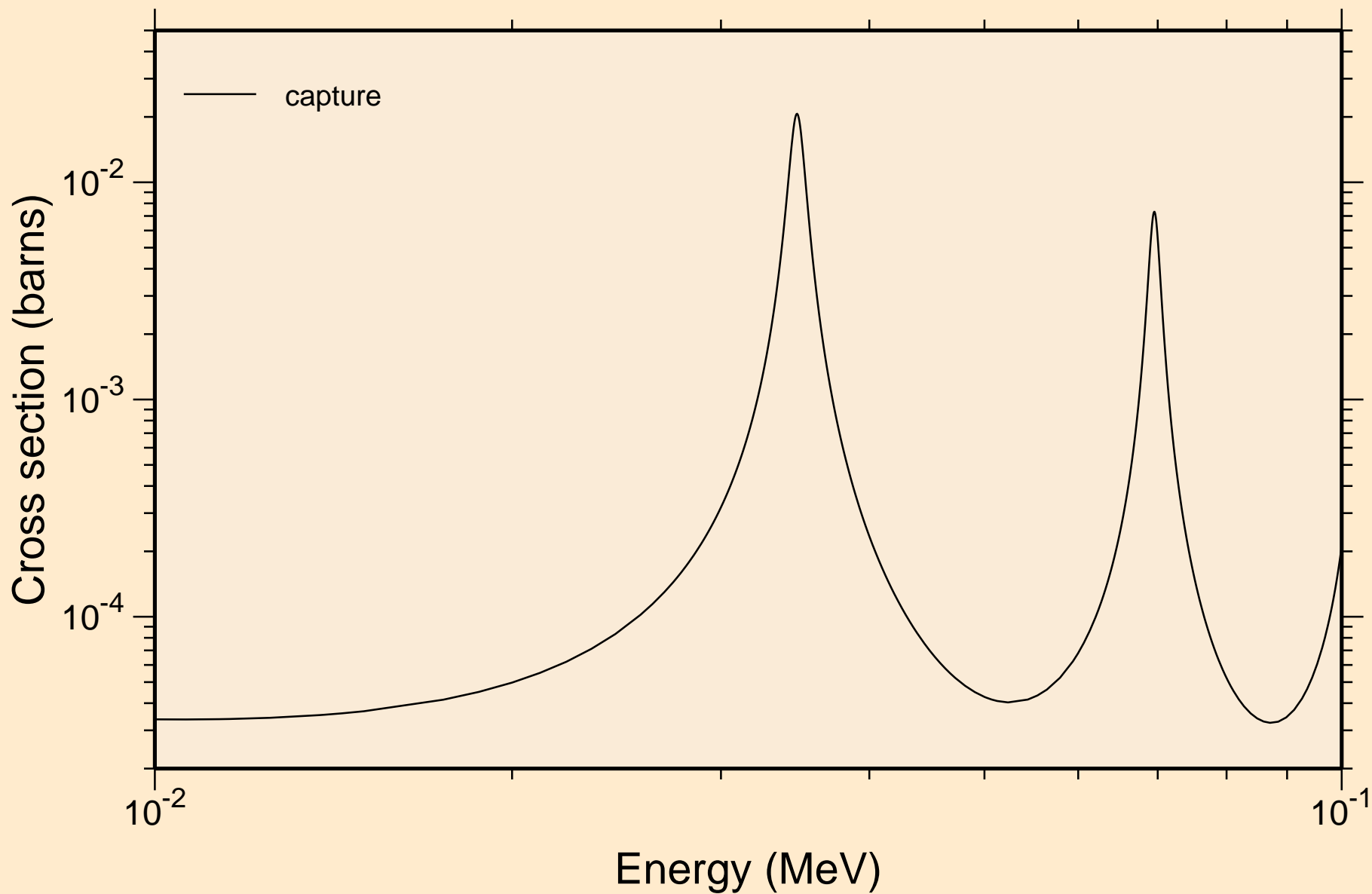
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resonance total cross section



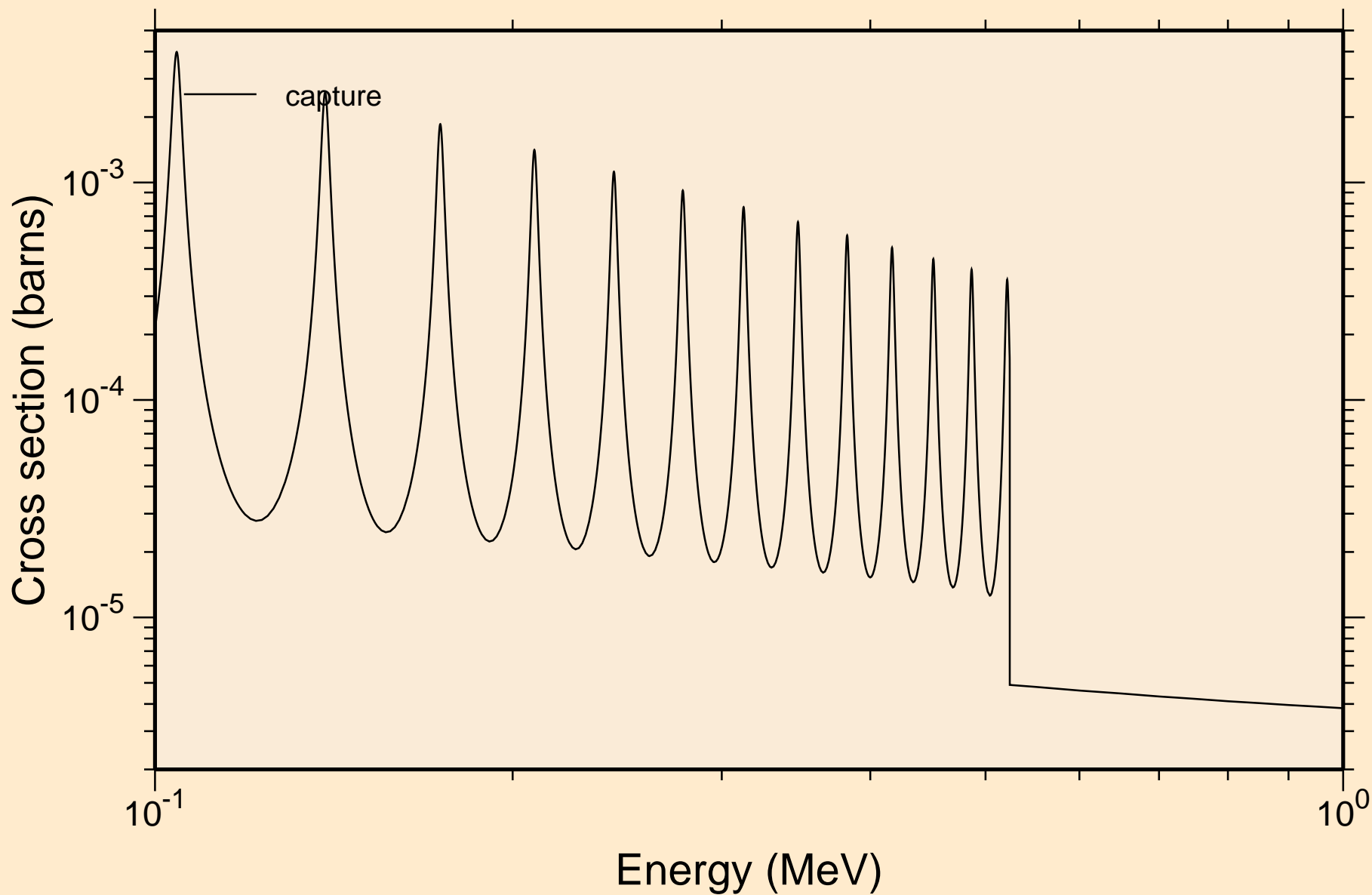
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resonance total cross section



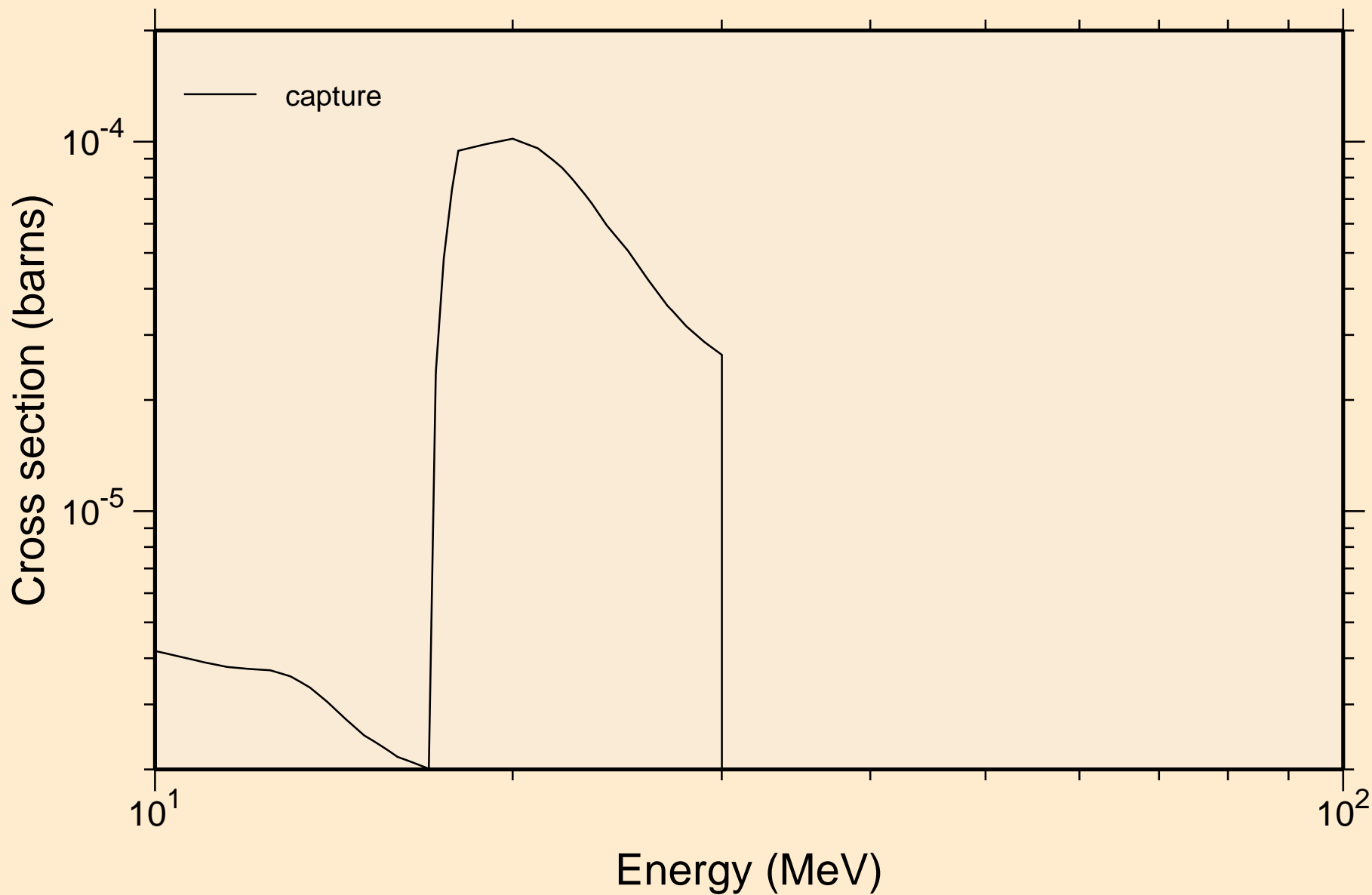
N013 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



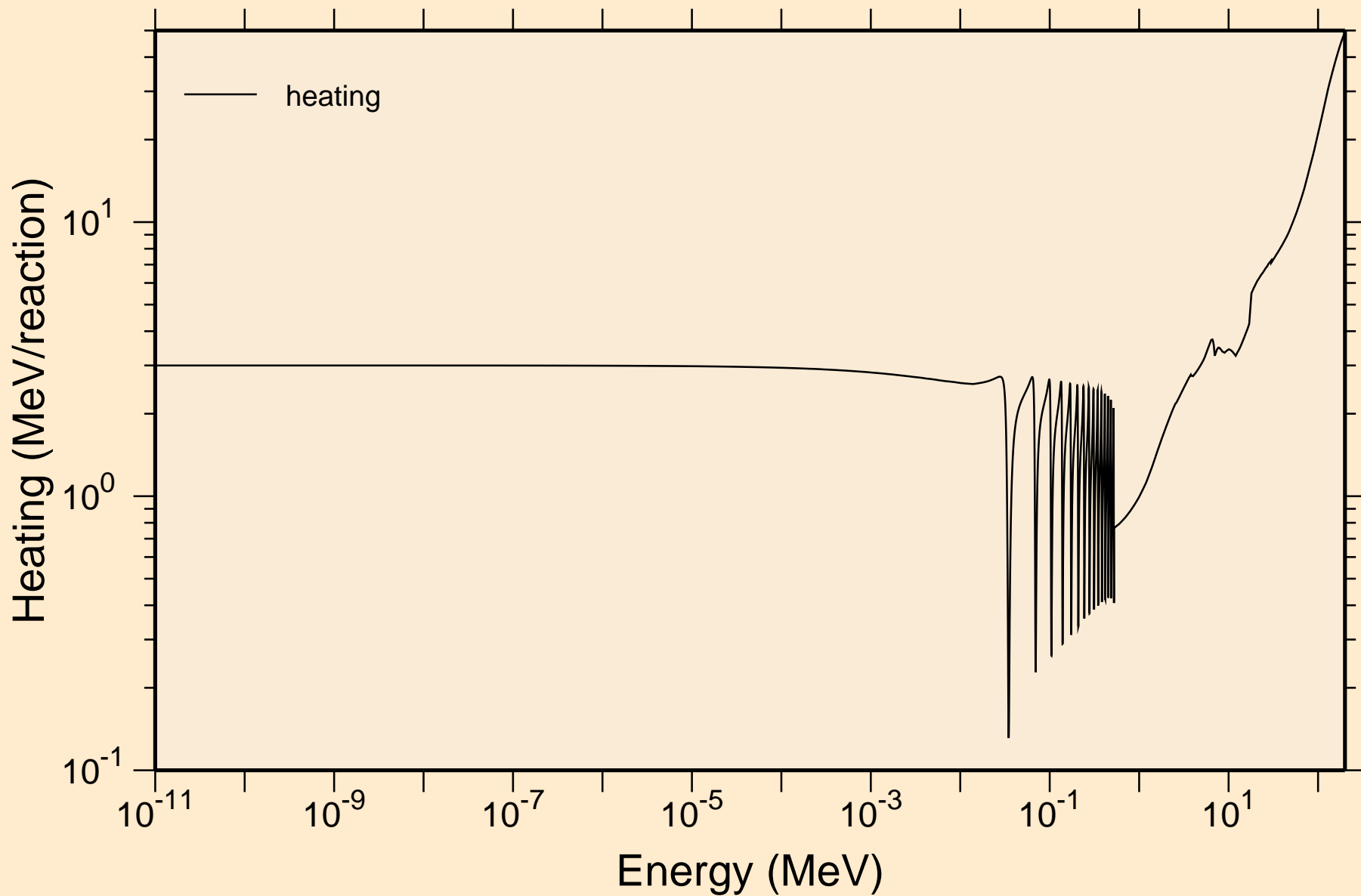
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resonance absorption cross sections



N013 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections

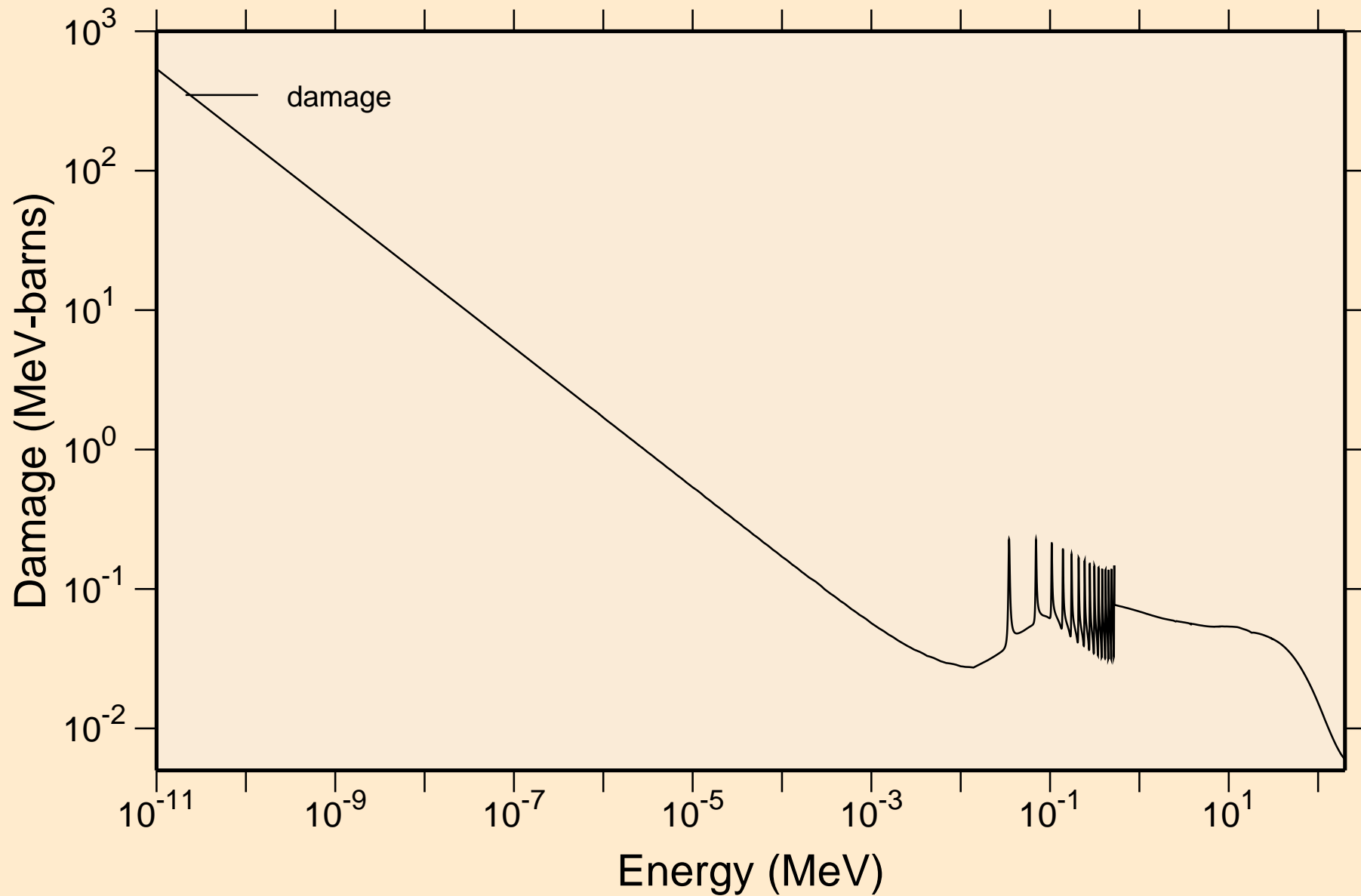


N013 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating

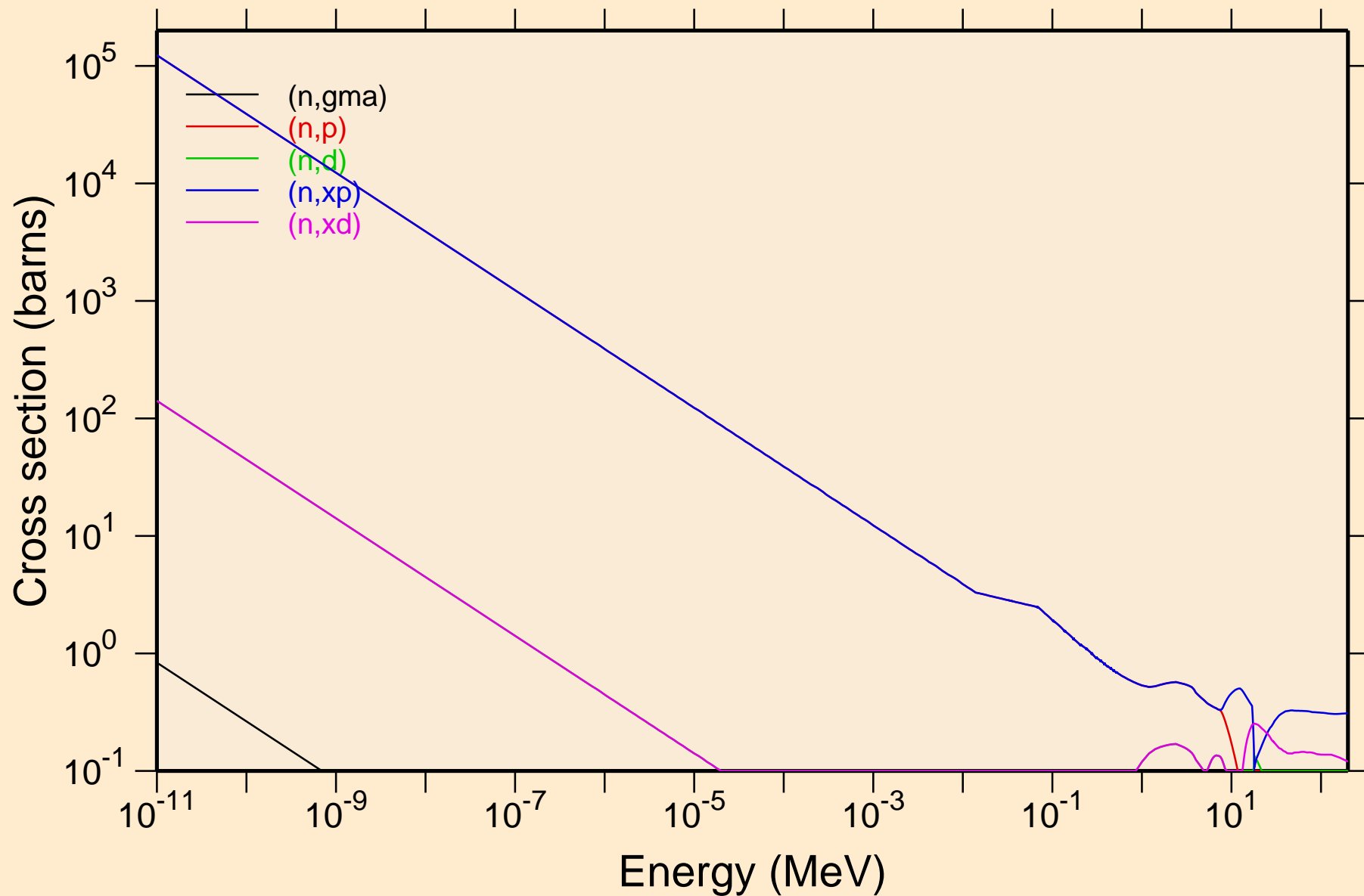




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Damage

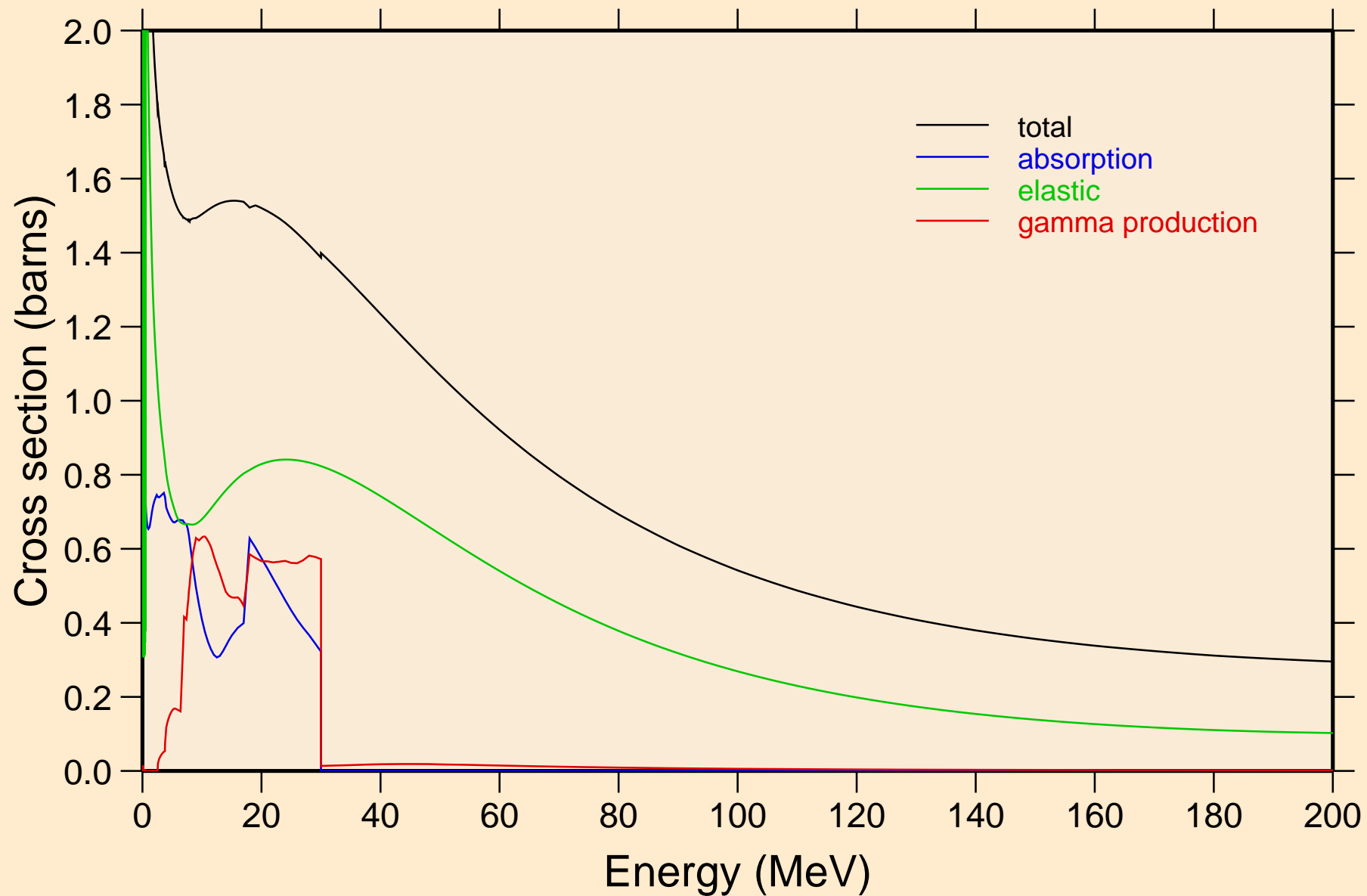


N013 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions

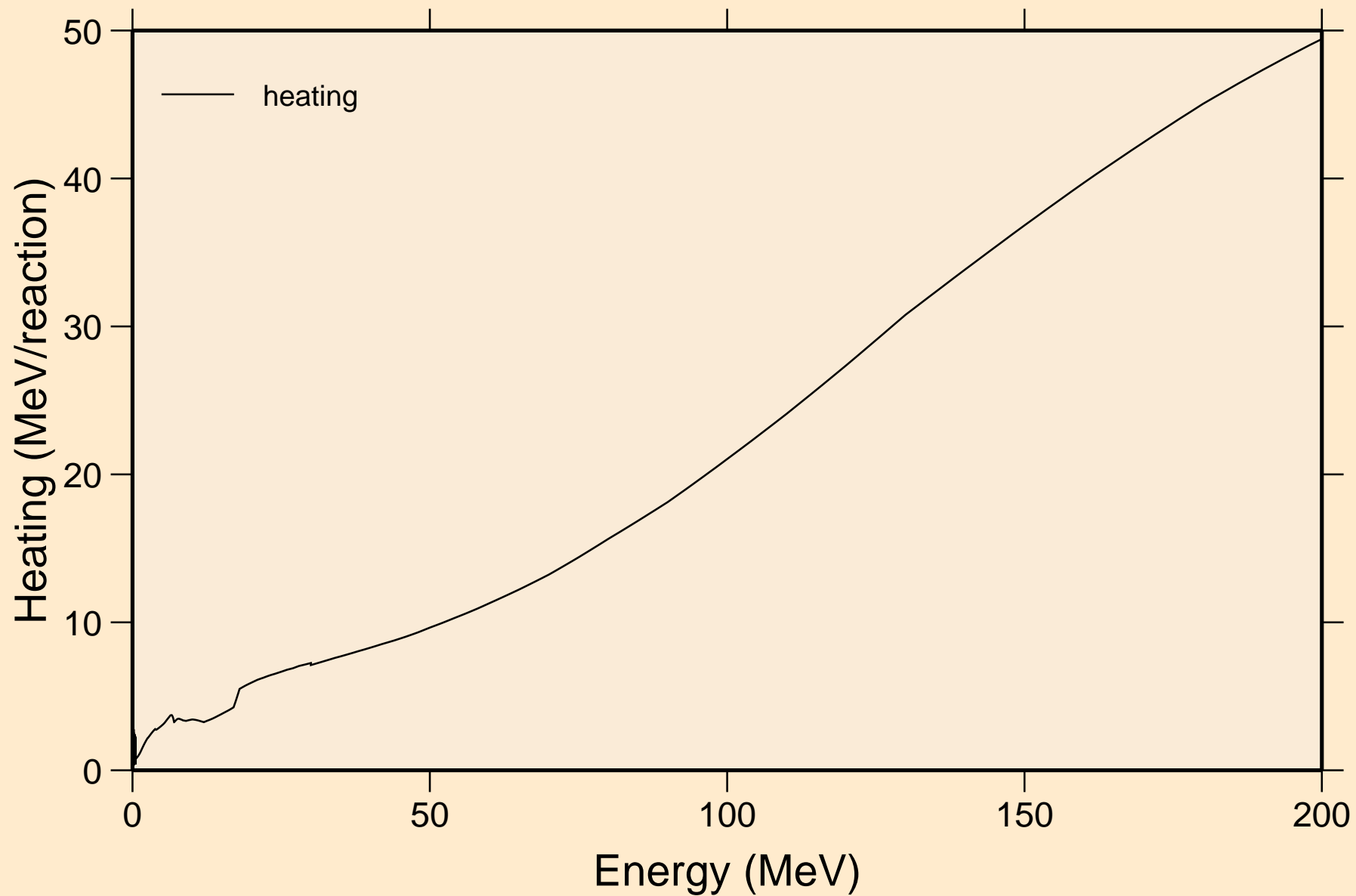


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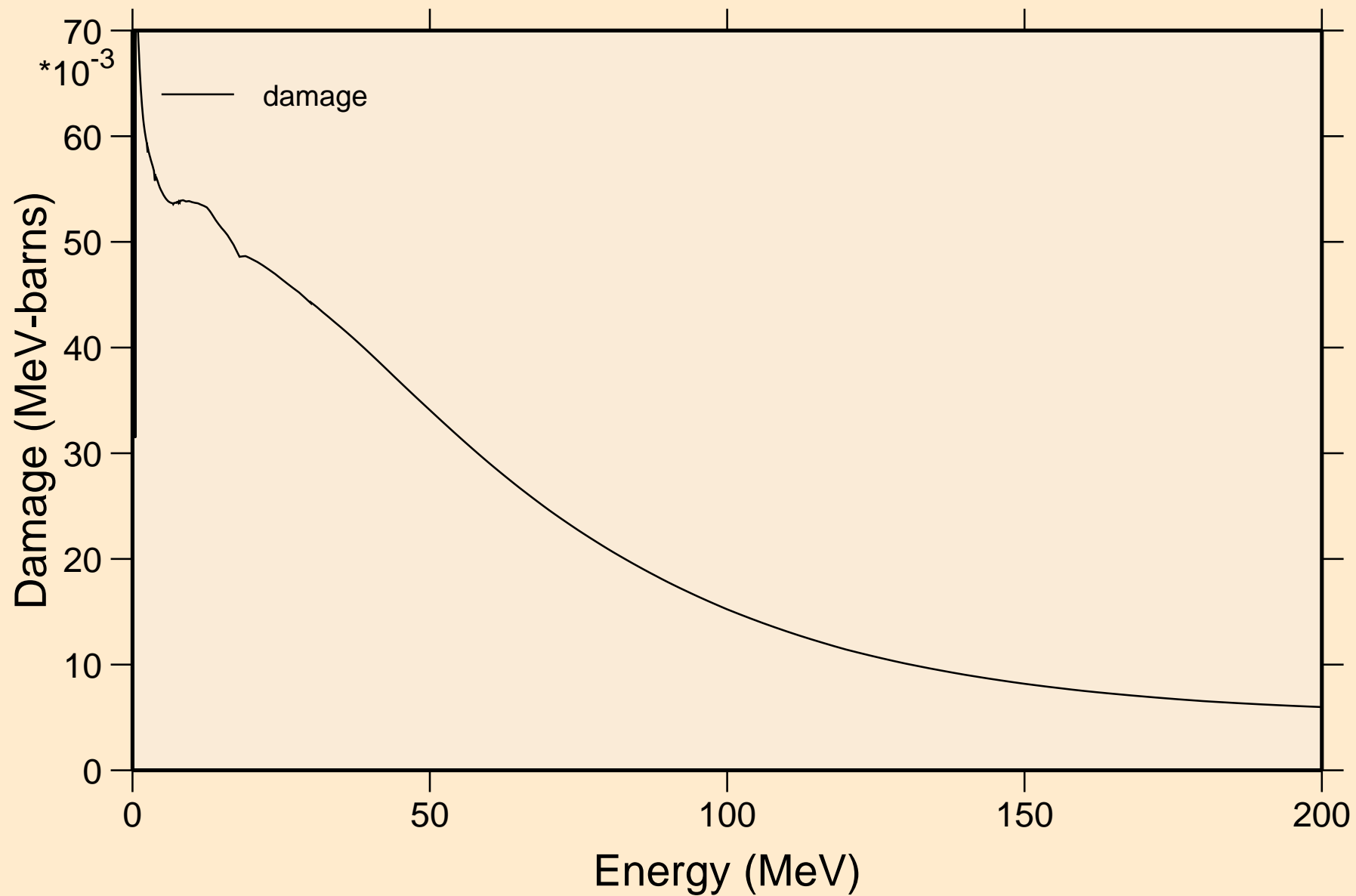
## Principal cross sections



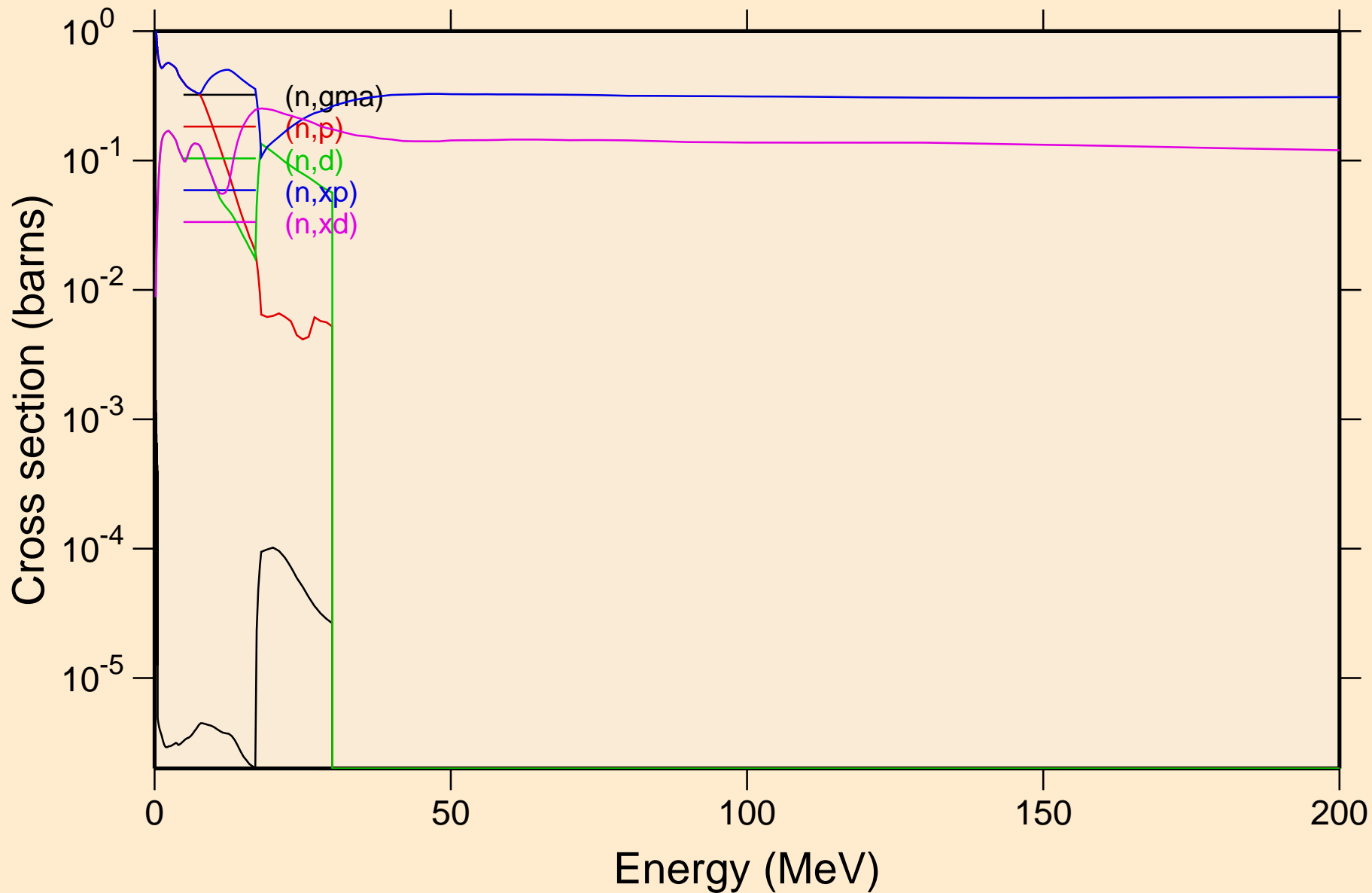
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Heating



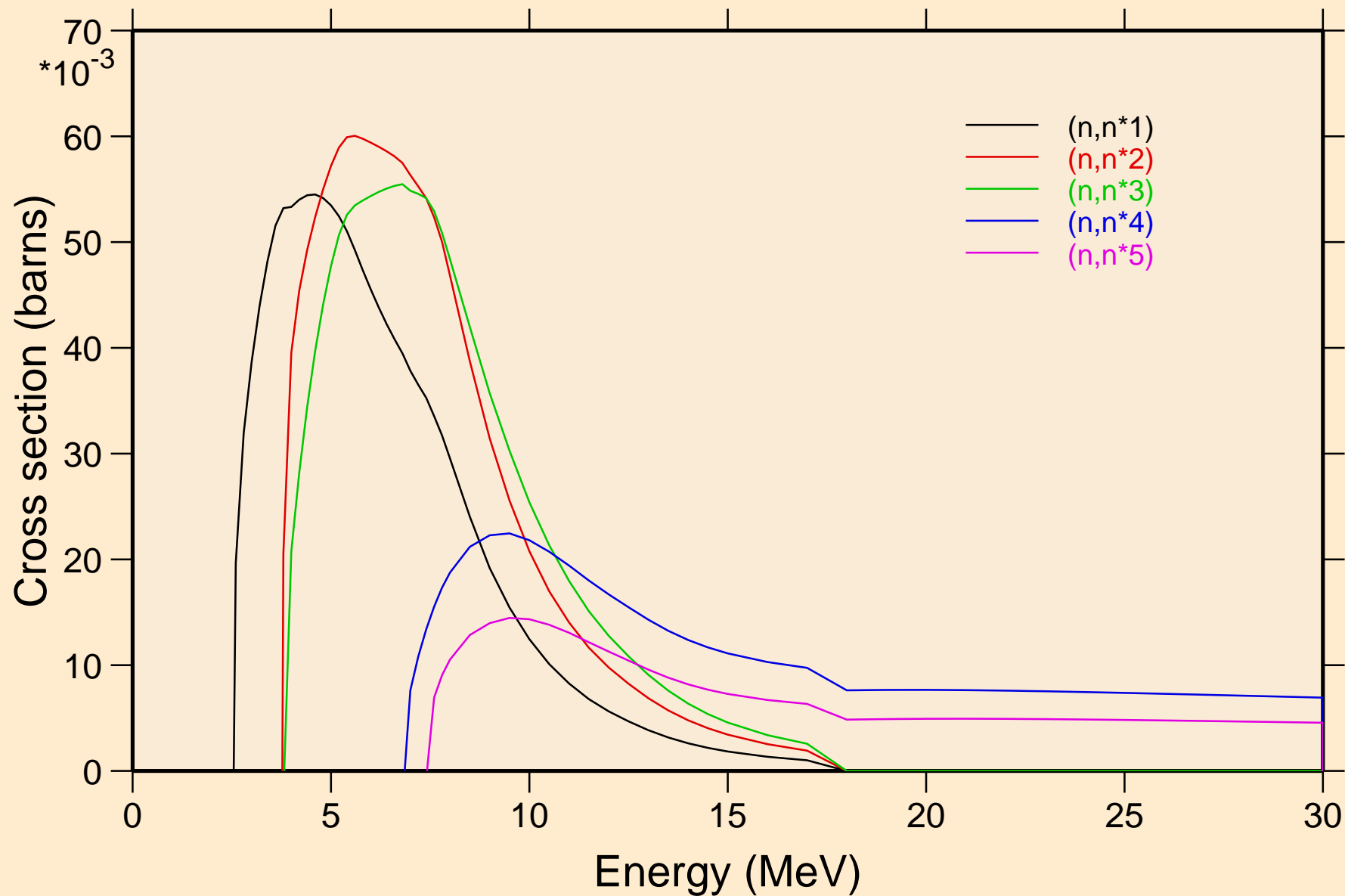
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Damage



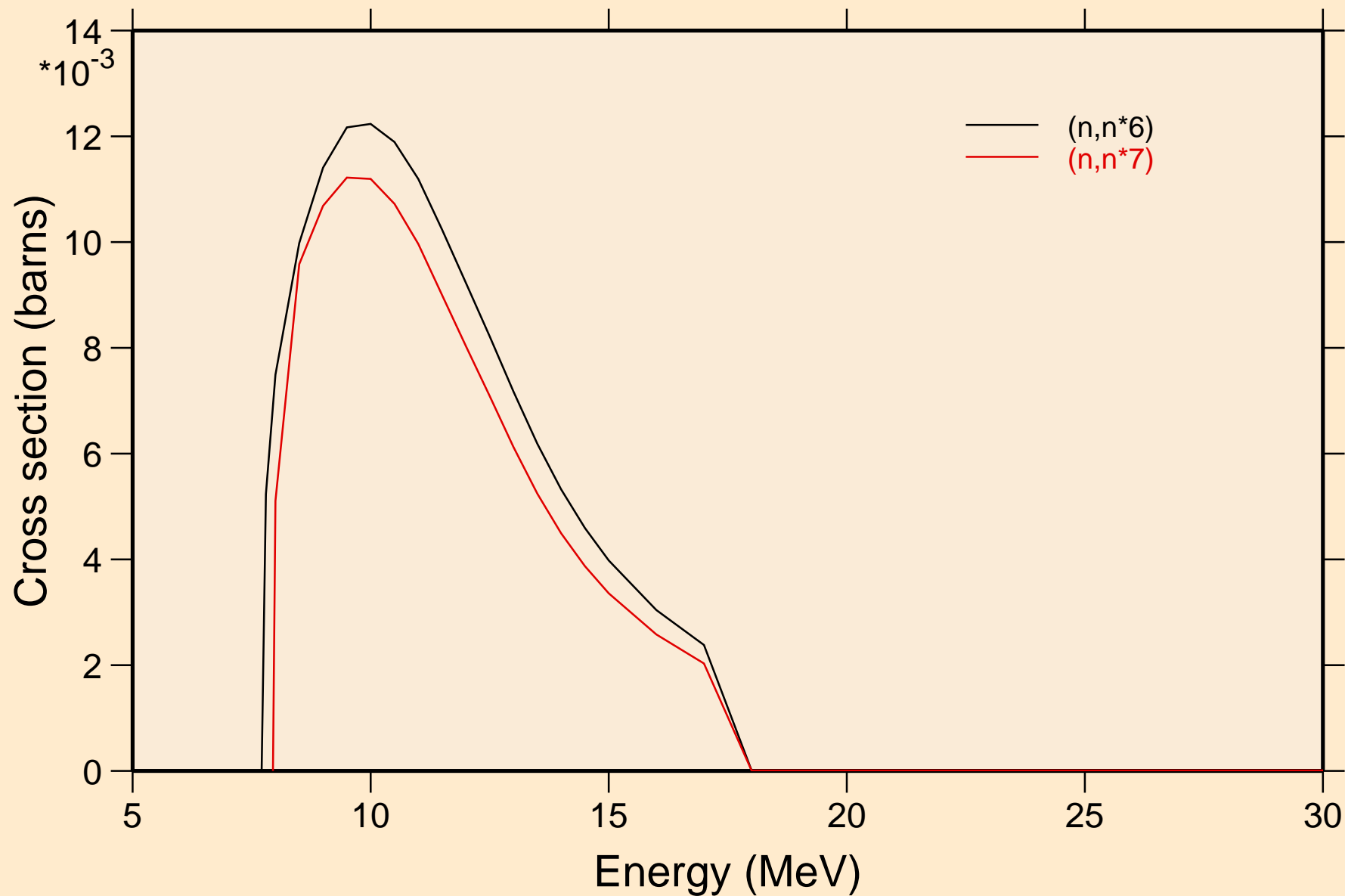
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Non-threshold reactions



N013 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels

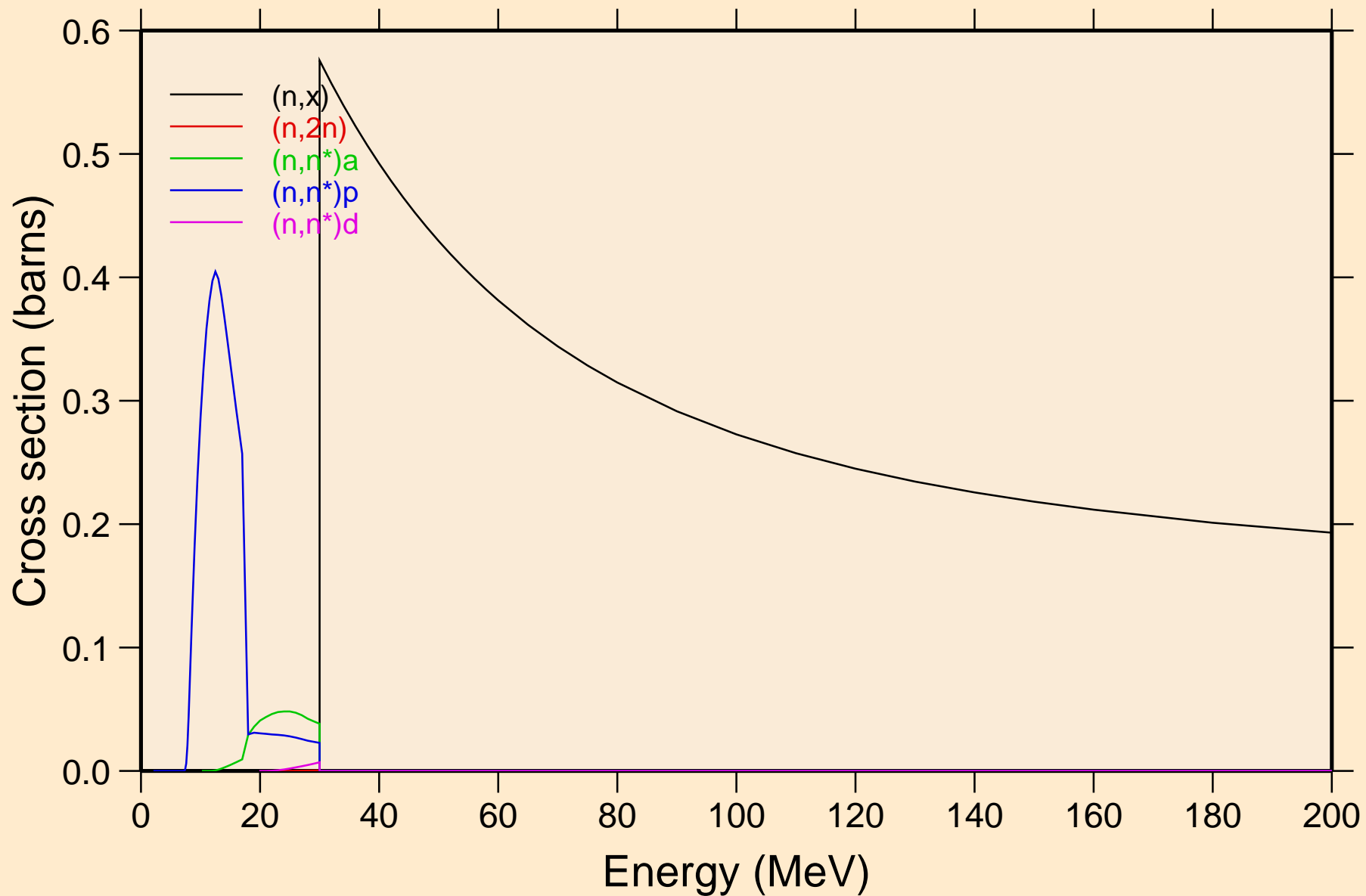


N013 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels

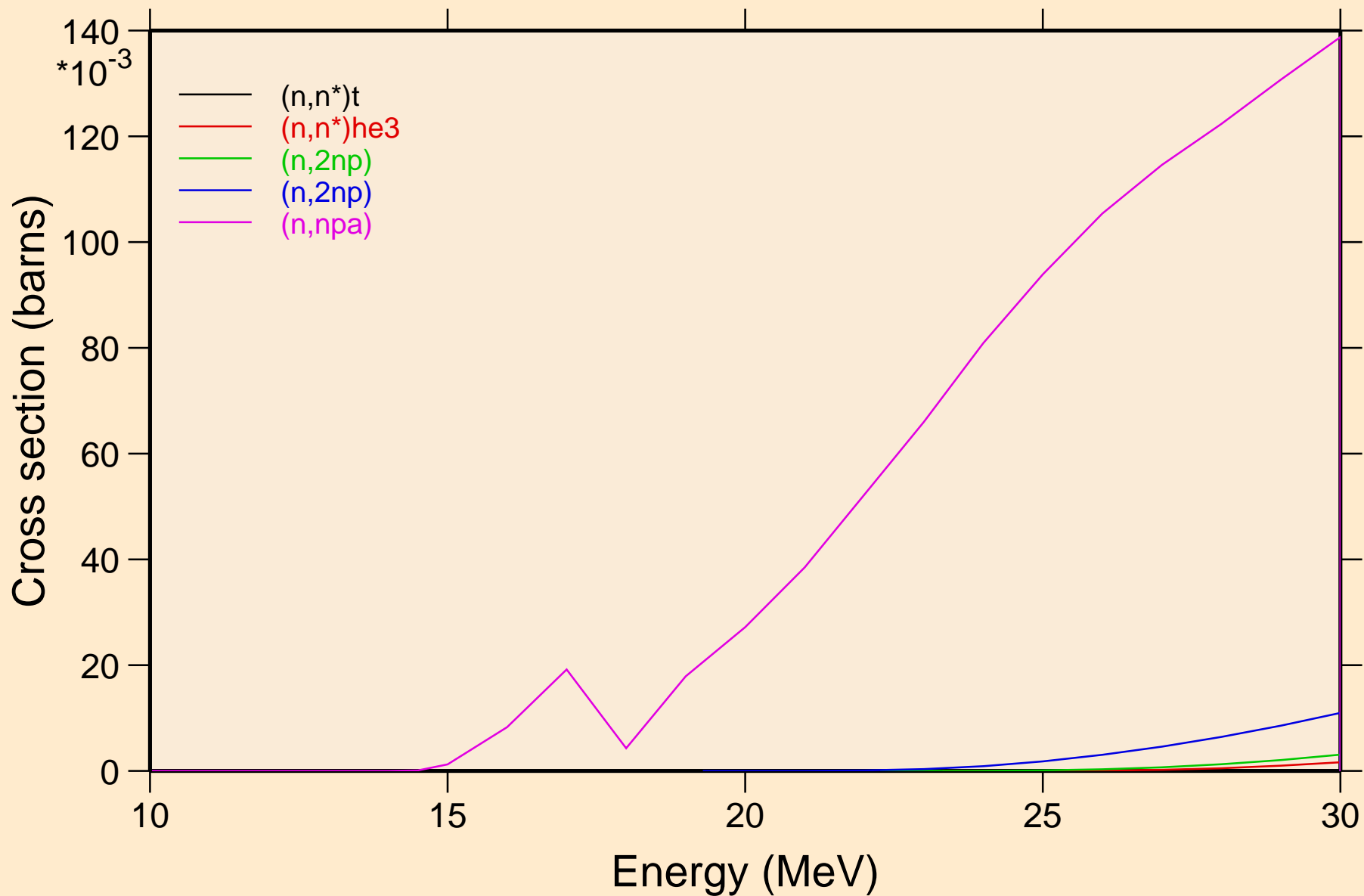




N013 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

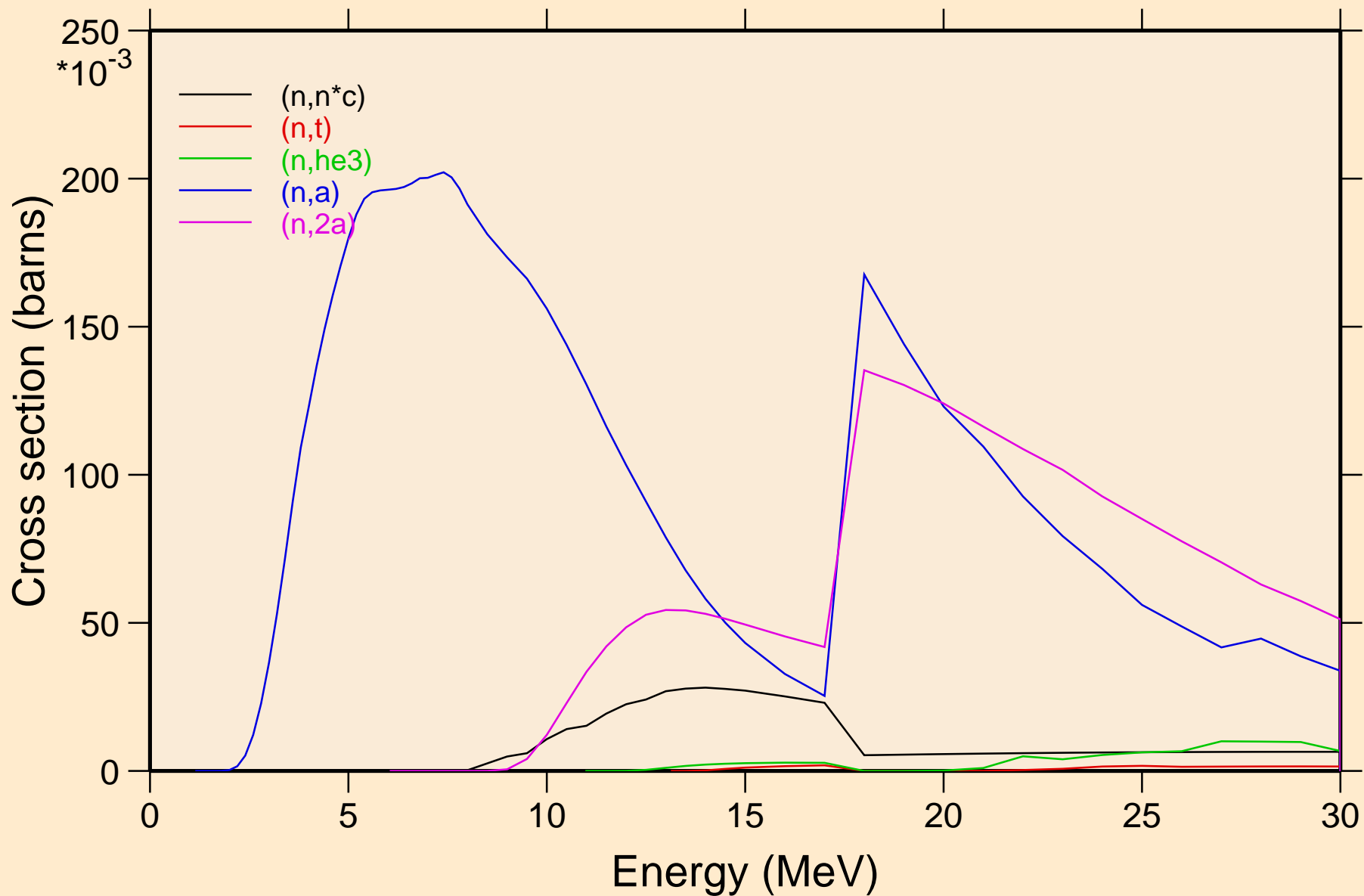


N013 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



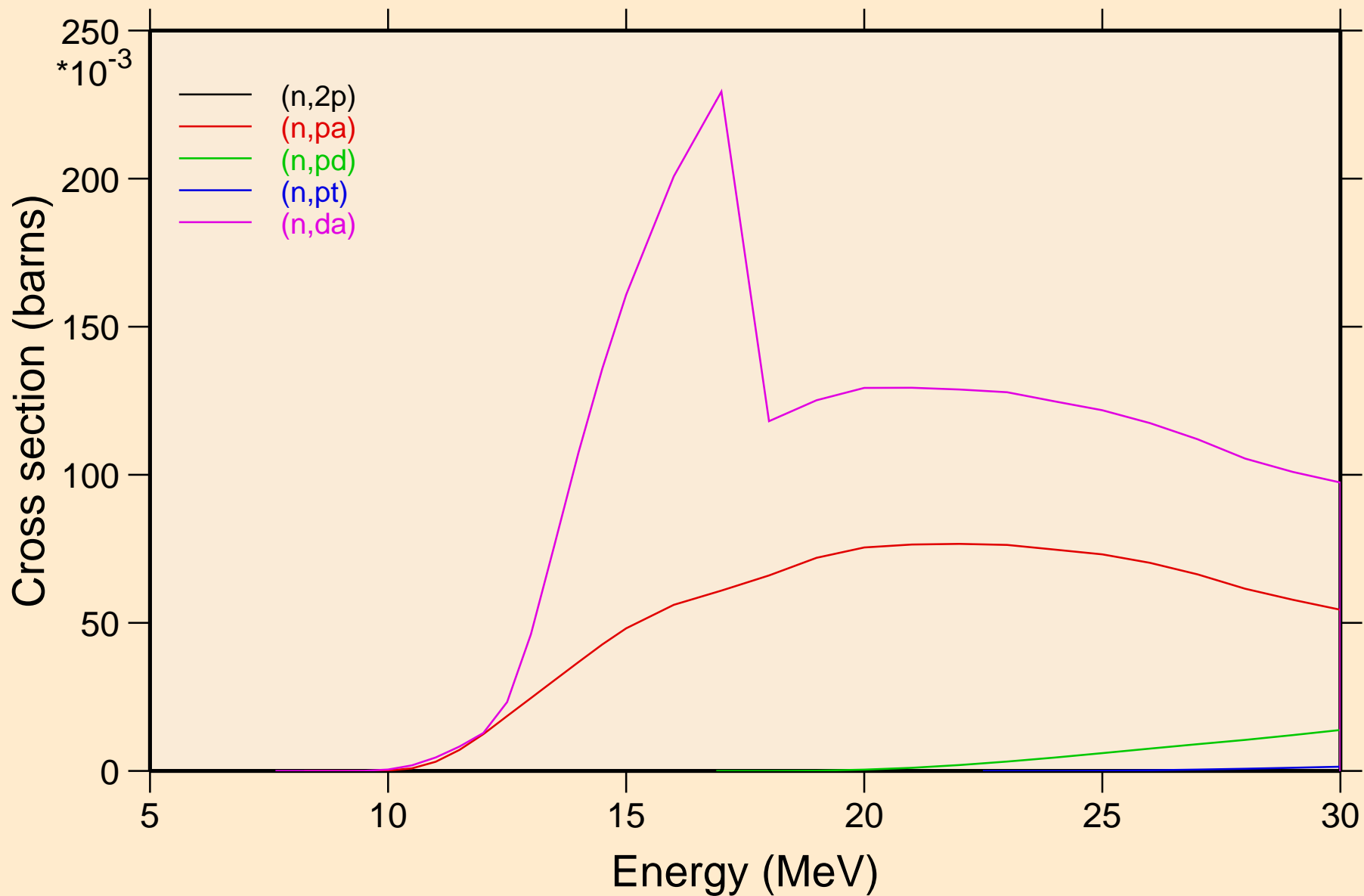
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## Threshold reactions

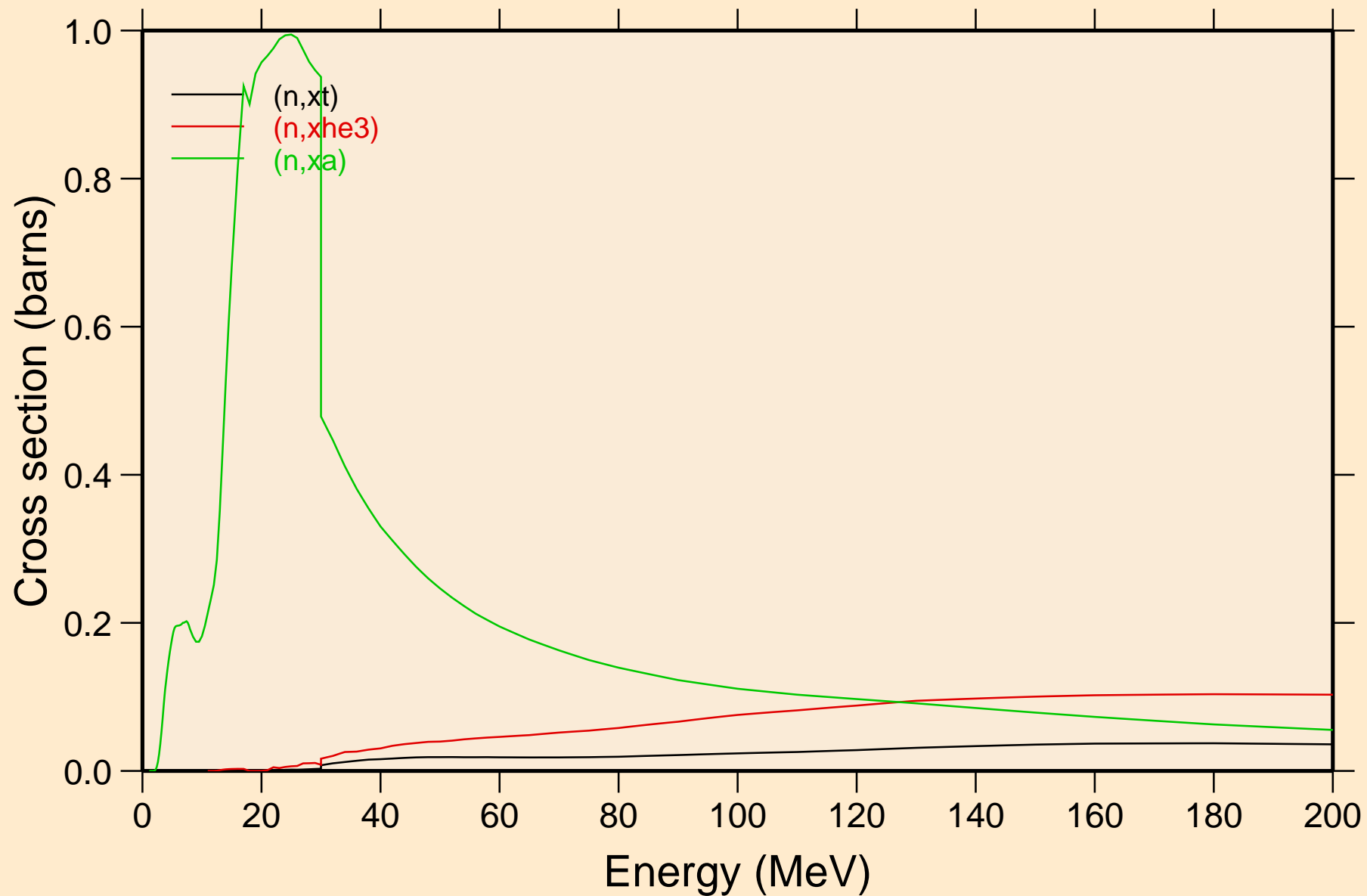


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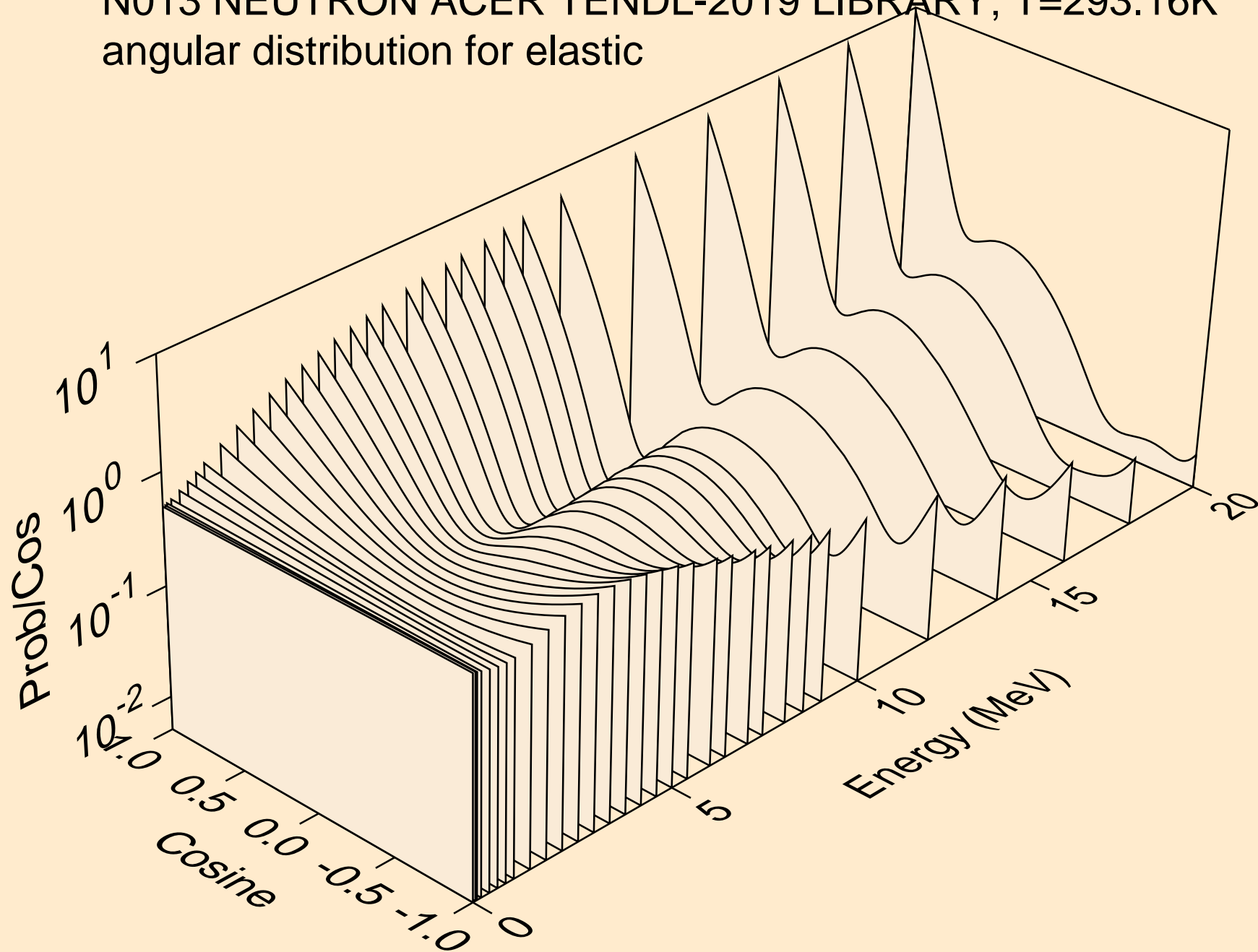
## Threshold reactions



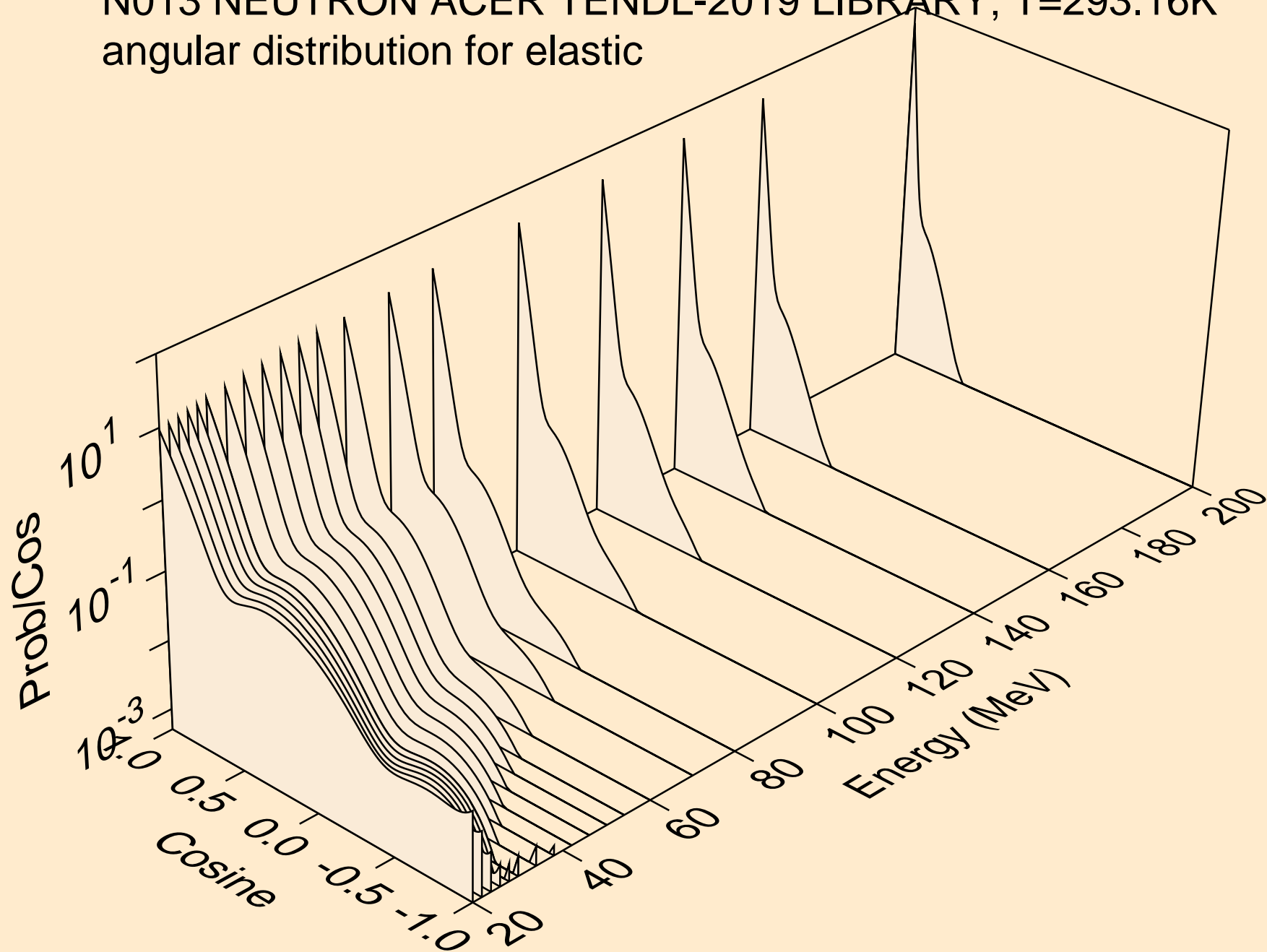
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Threshold reactions



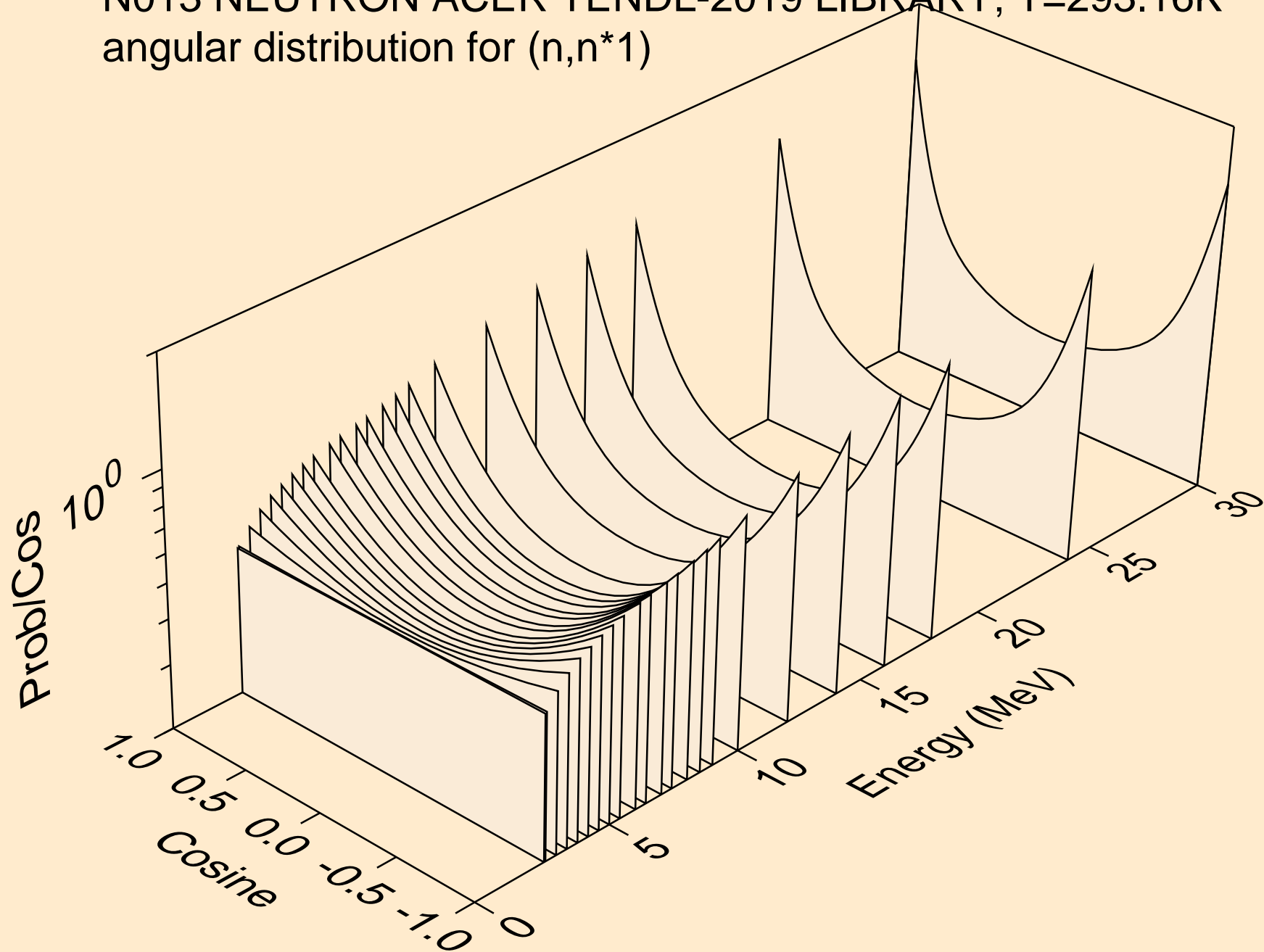
N013 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic



N013 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic

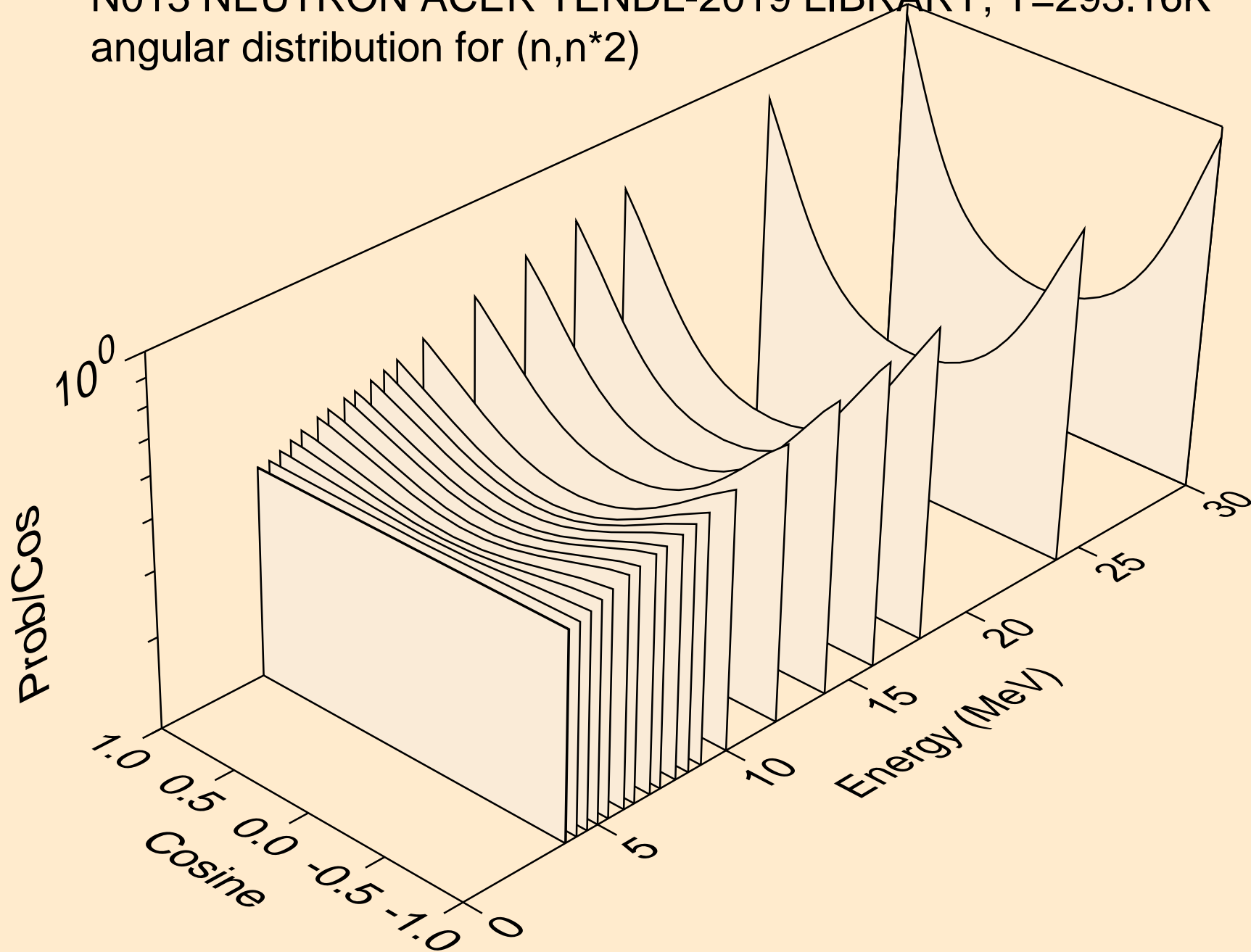


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angular distribution for (n,n\*1)

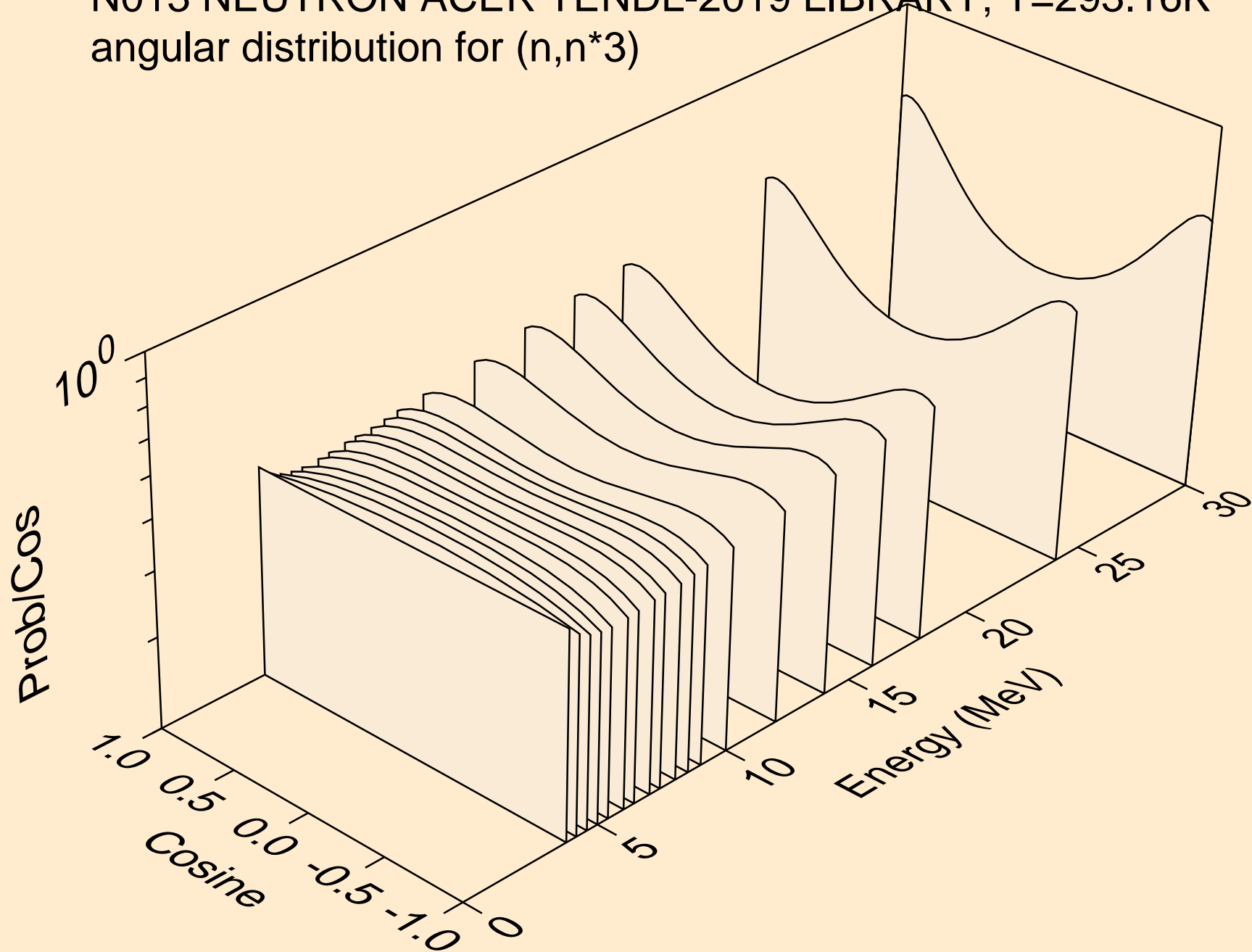




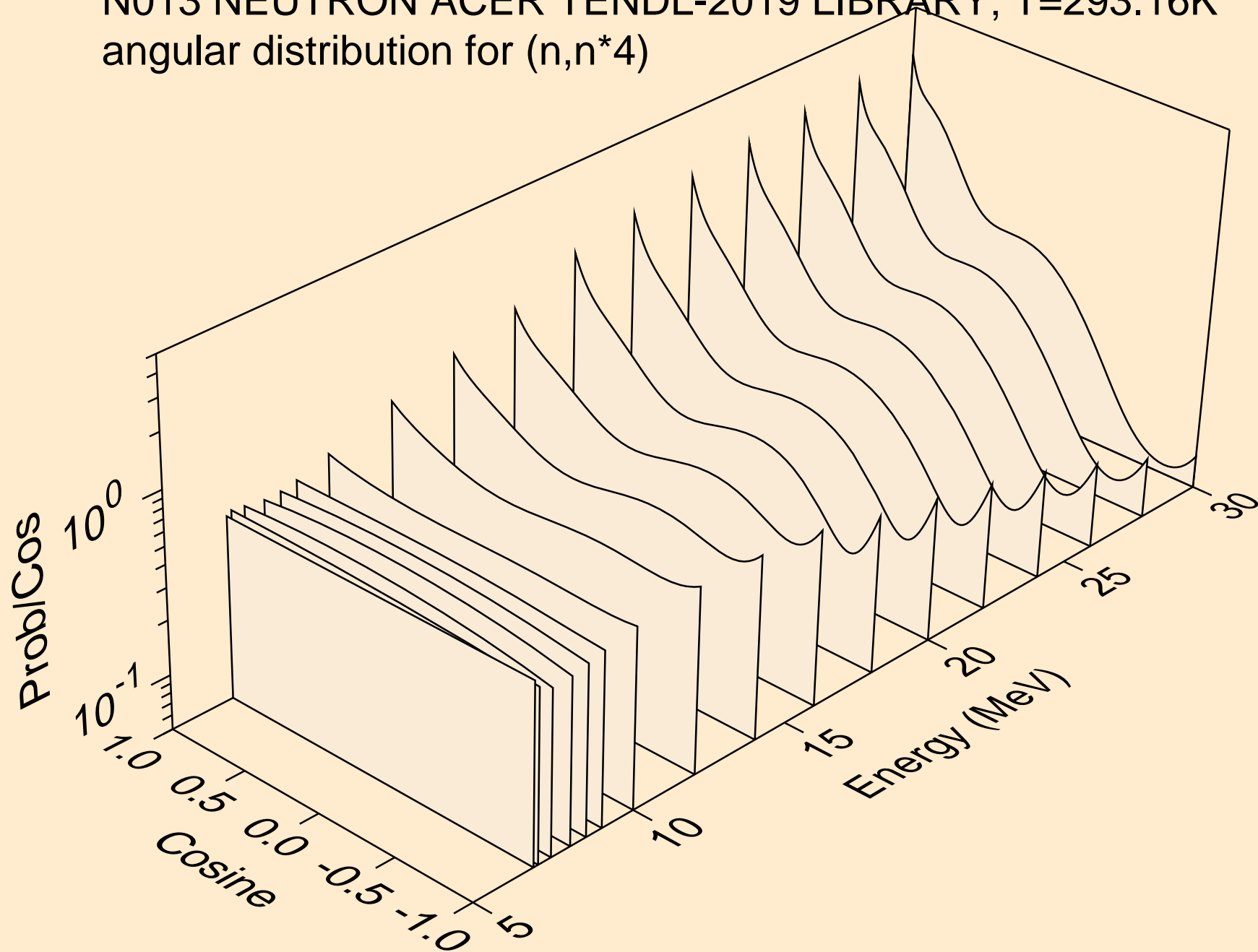
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angular distribution for (n,n\*2)



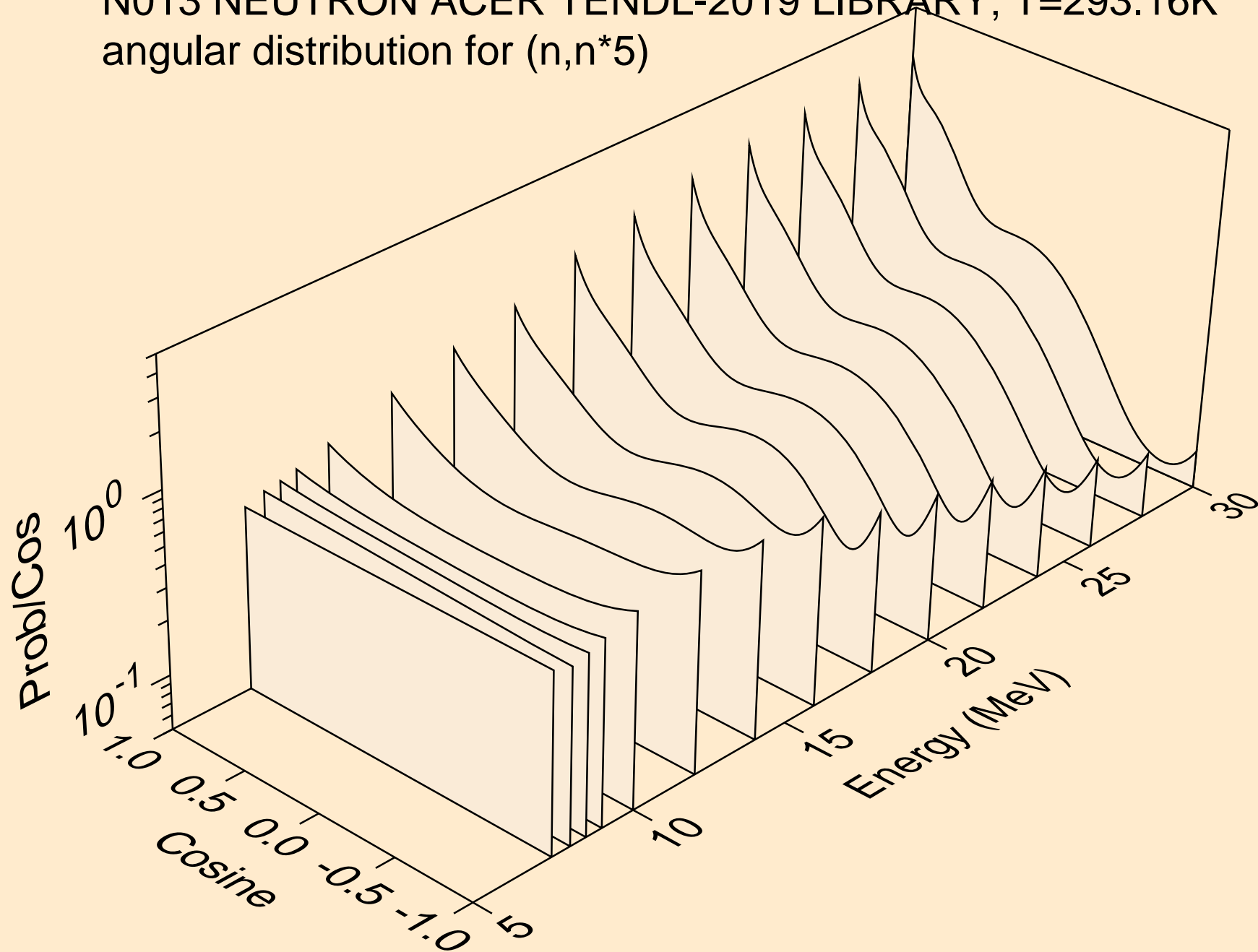
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angular distribution for (n,n\*3)



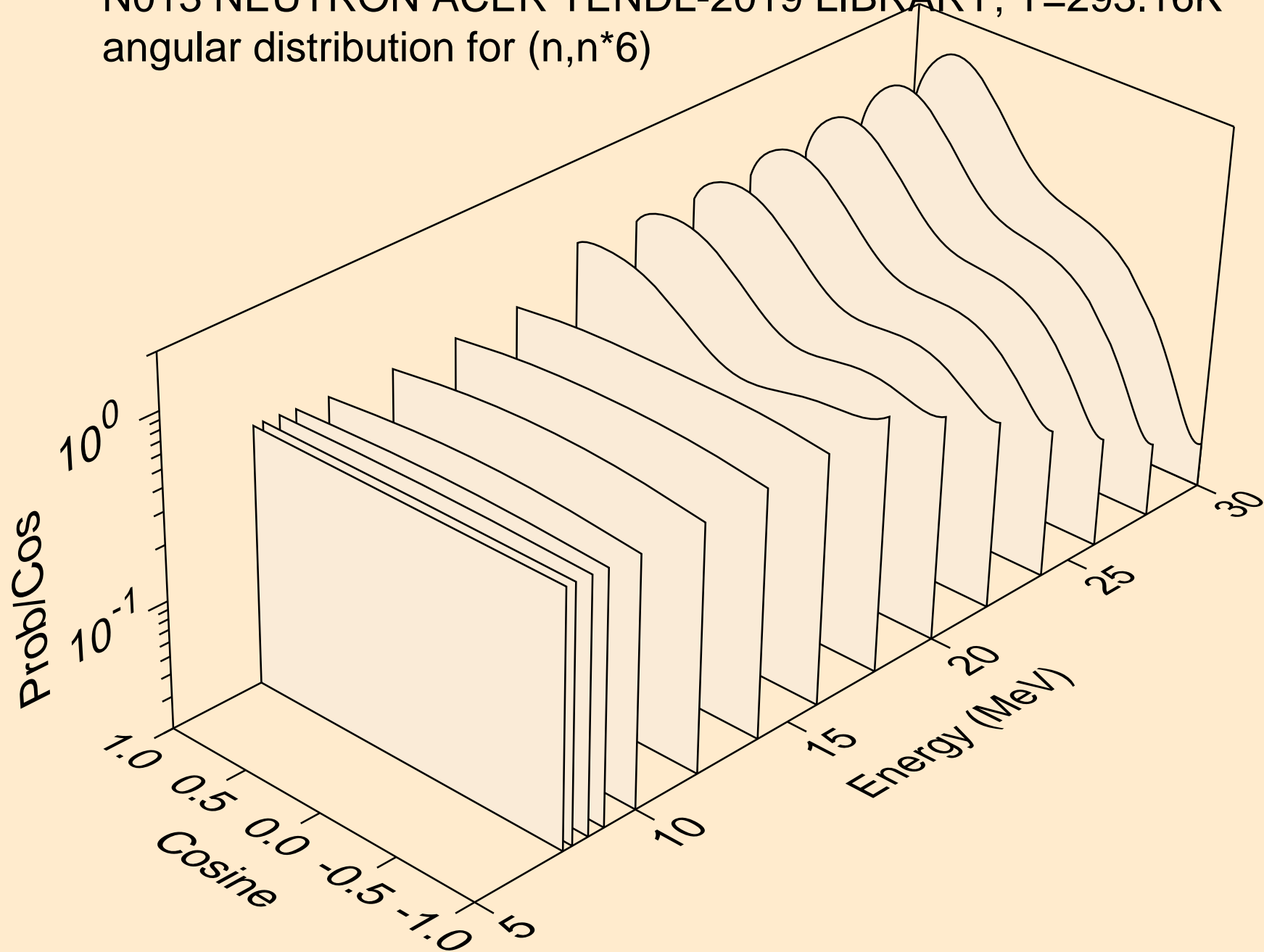
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angular distribution for (n,n\*4)



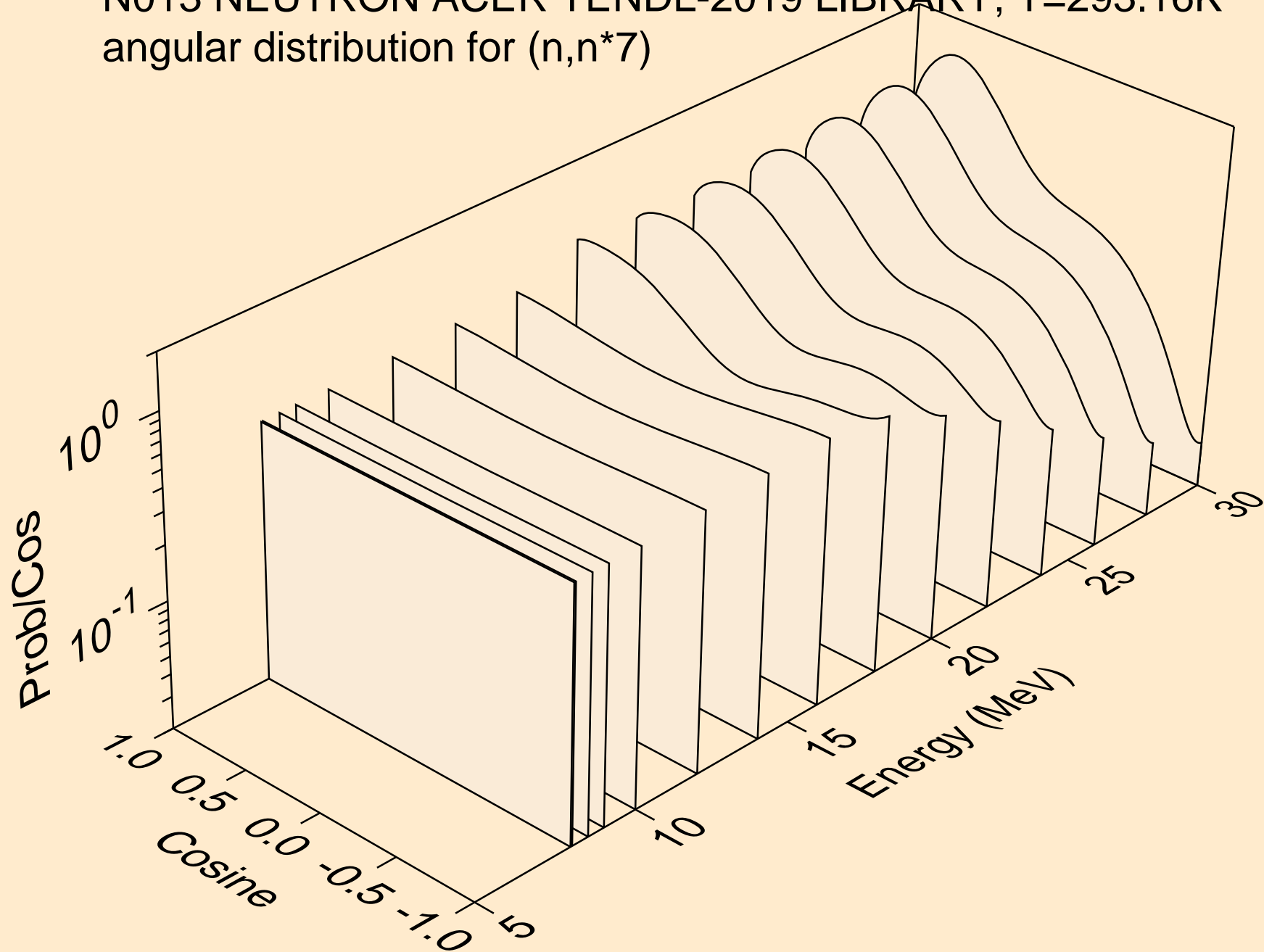
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angular distribution for (n,n\*5)



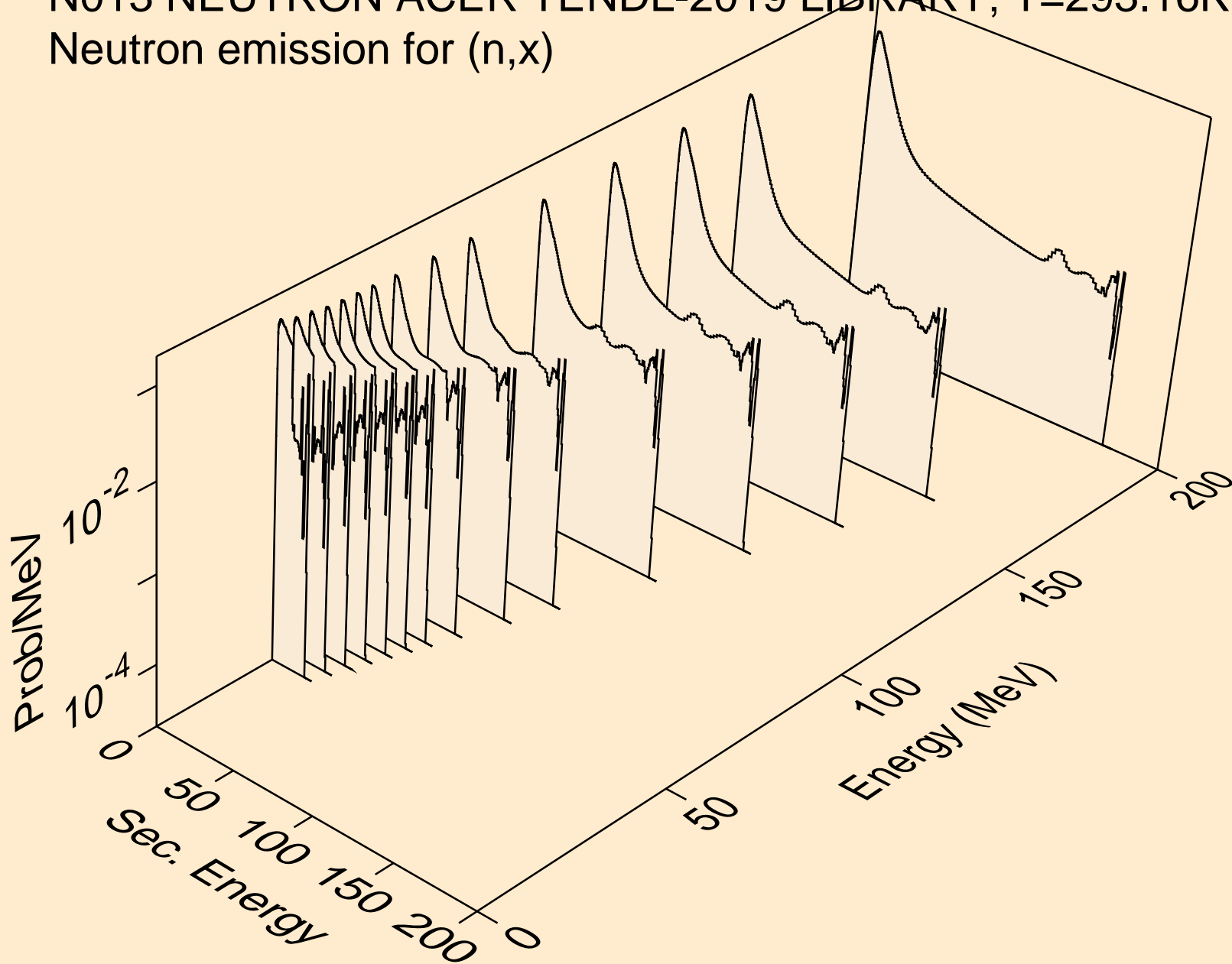
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angular distribution for (n,n\*6)



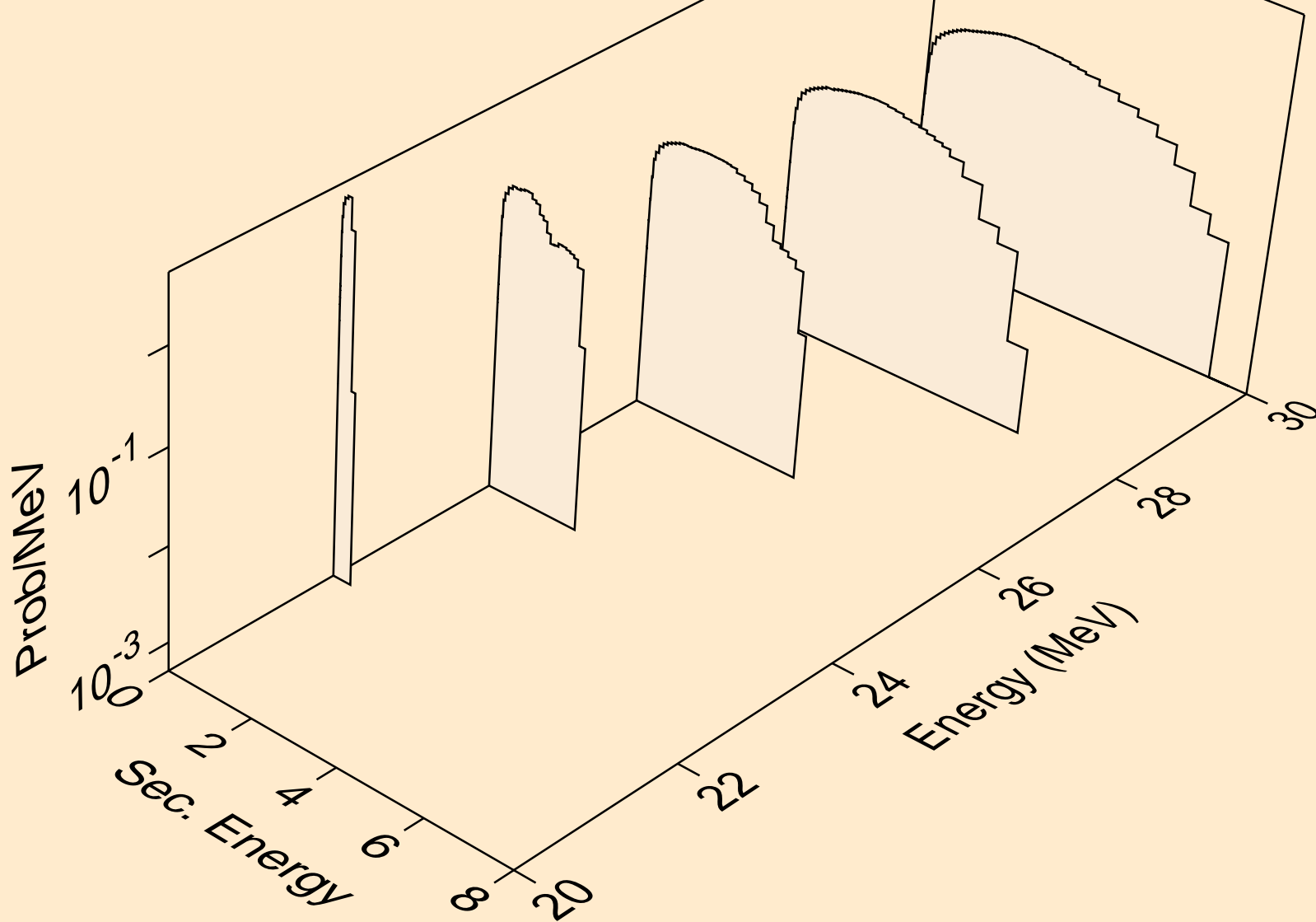
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angular distribution for (n,n\*7)



N013 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,x)

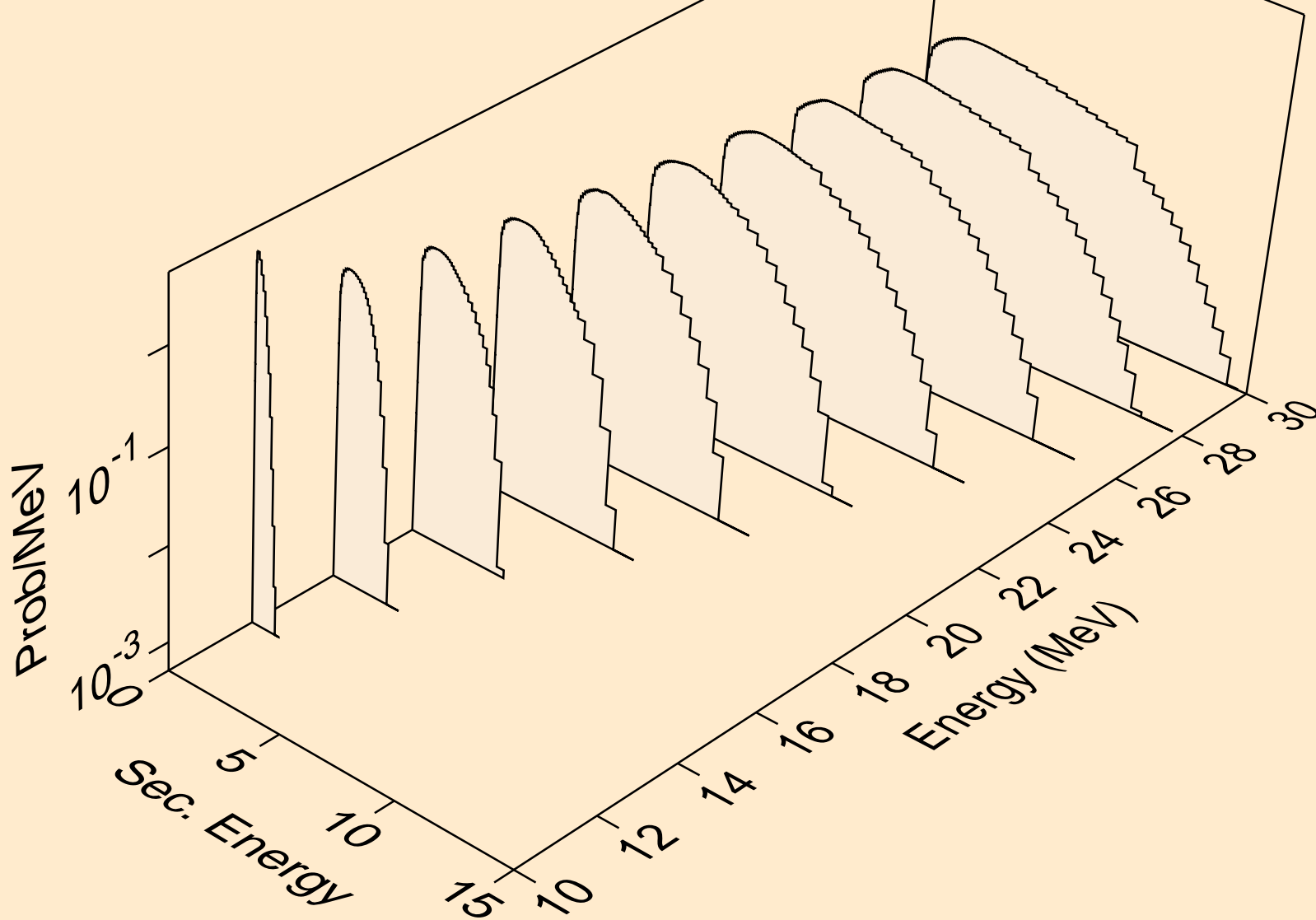


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Neutron emission for (n,2n)

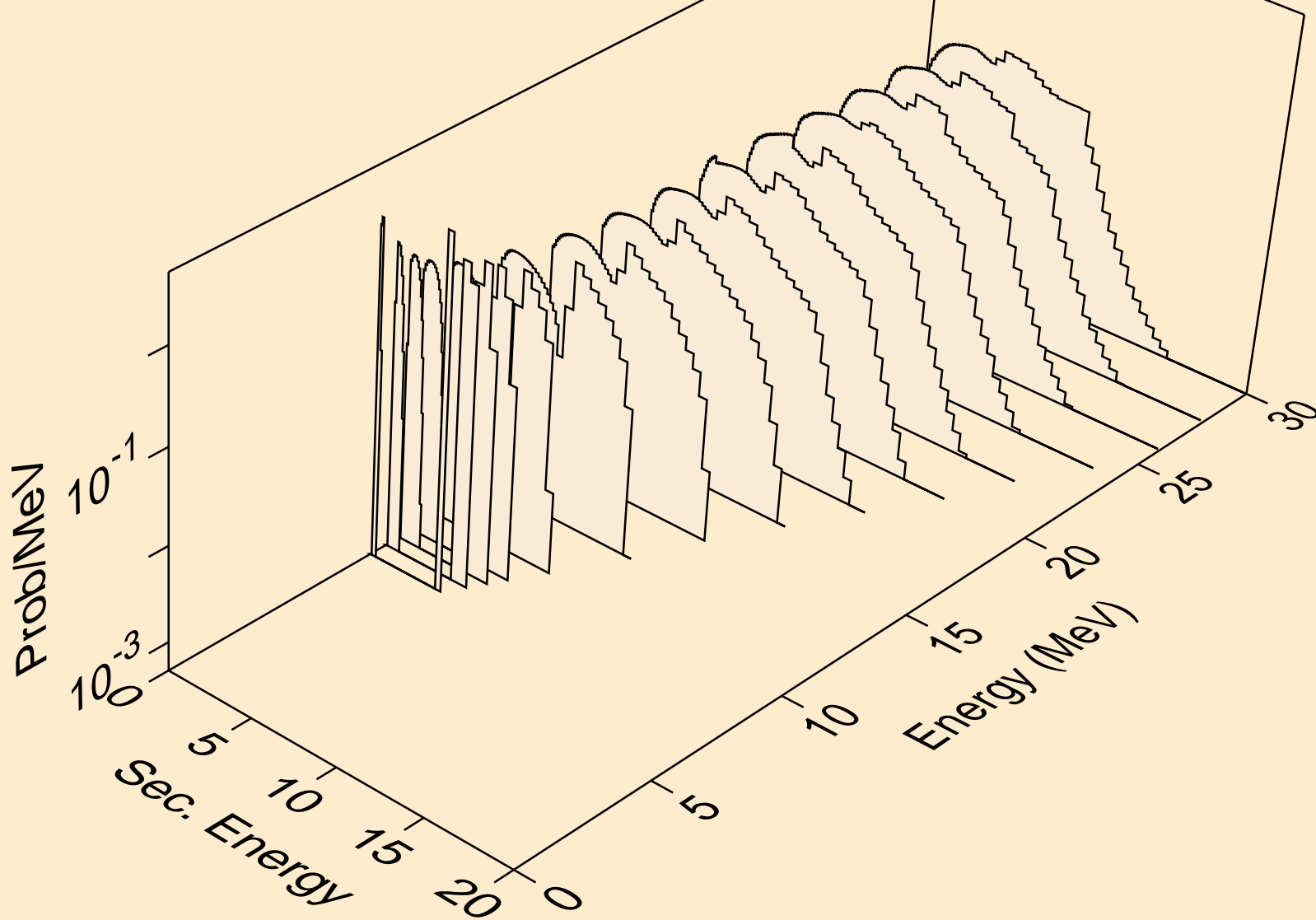




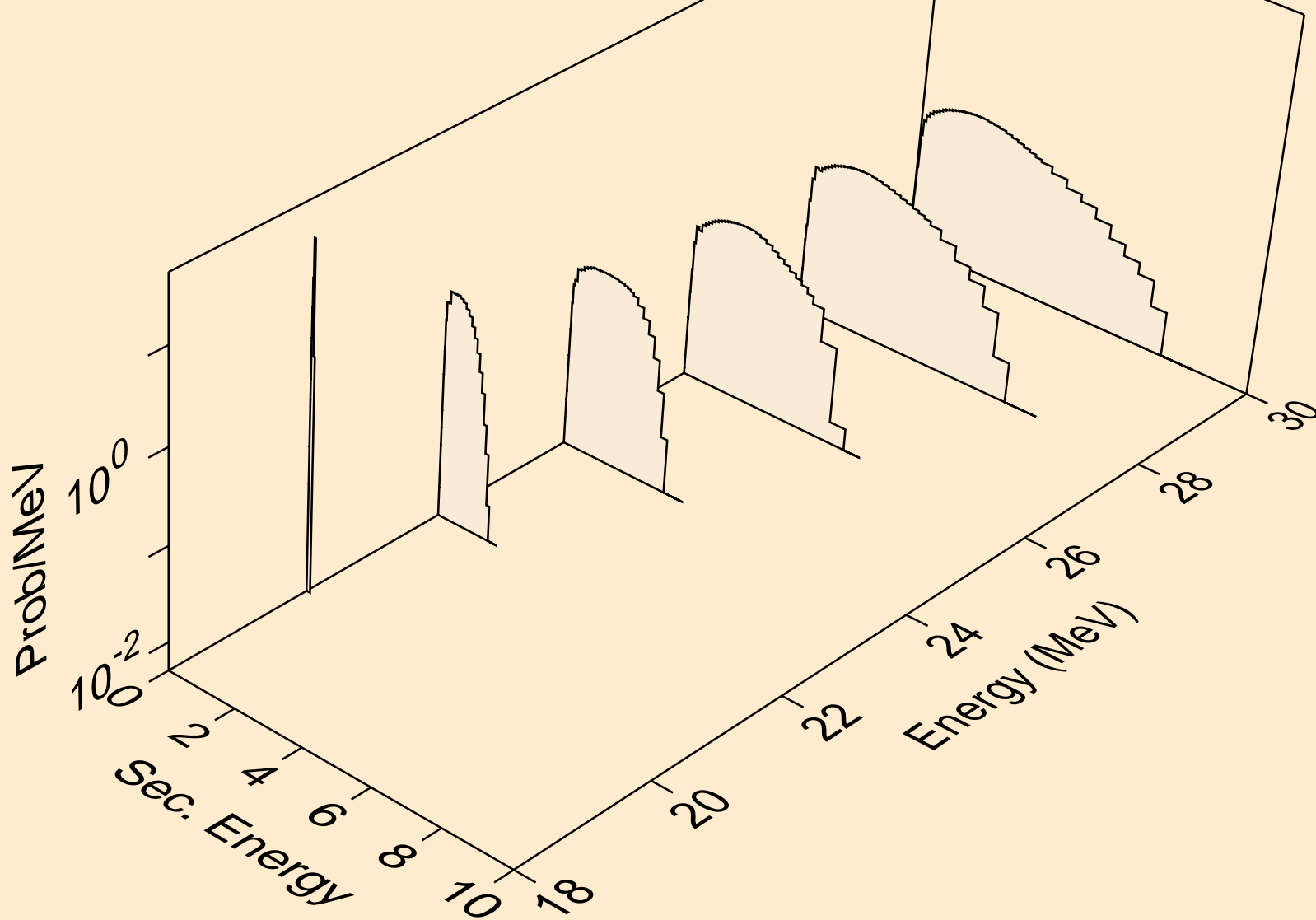
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Neutron emission for (n,n\*)a



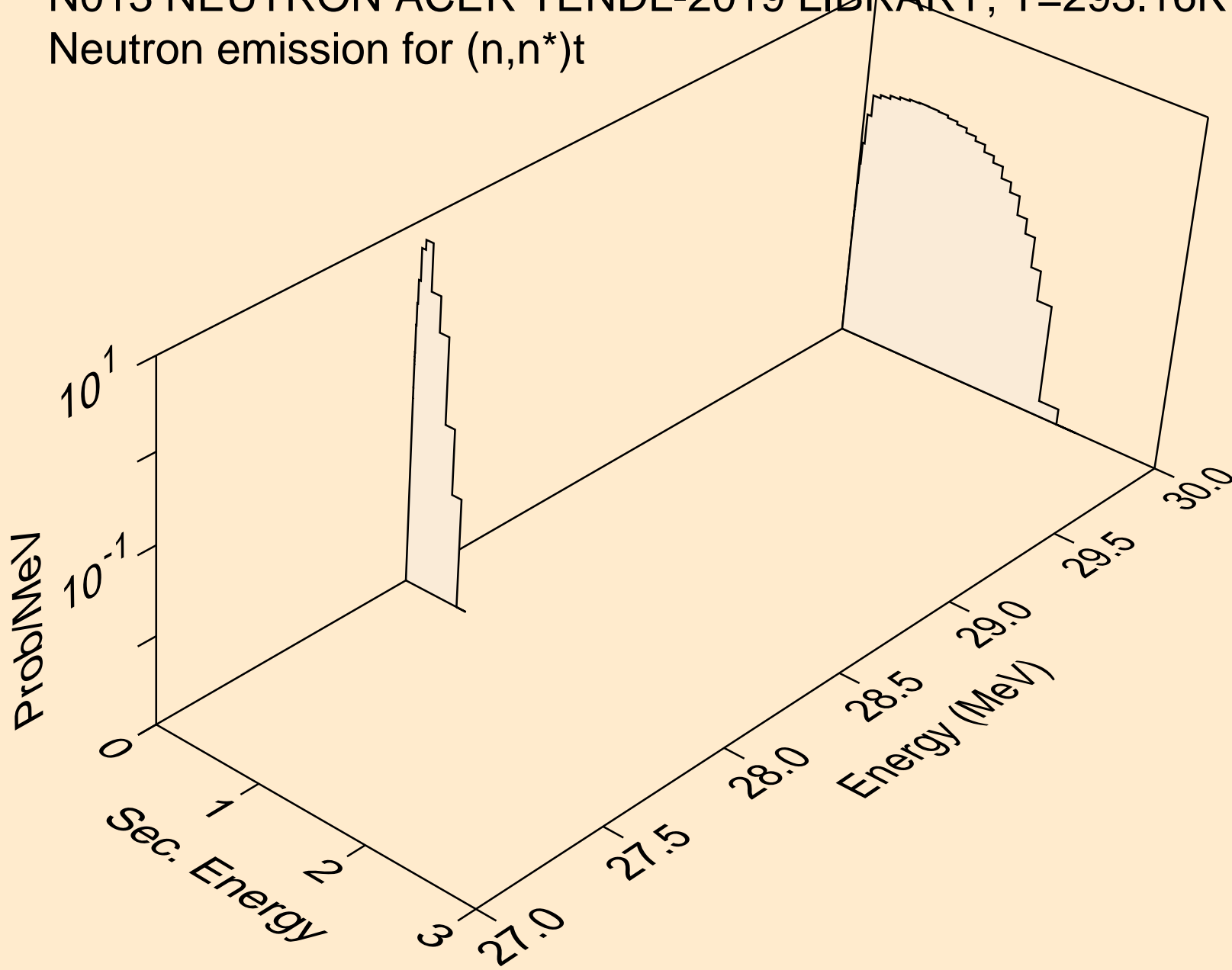
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Neutron emission for (n,n\*)p



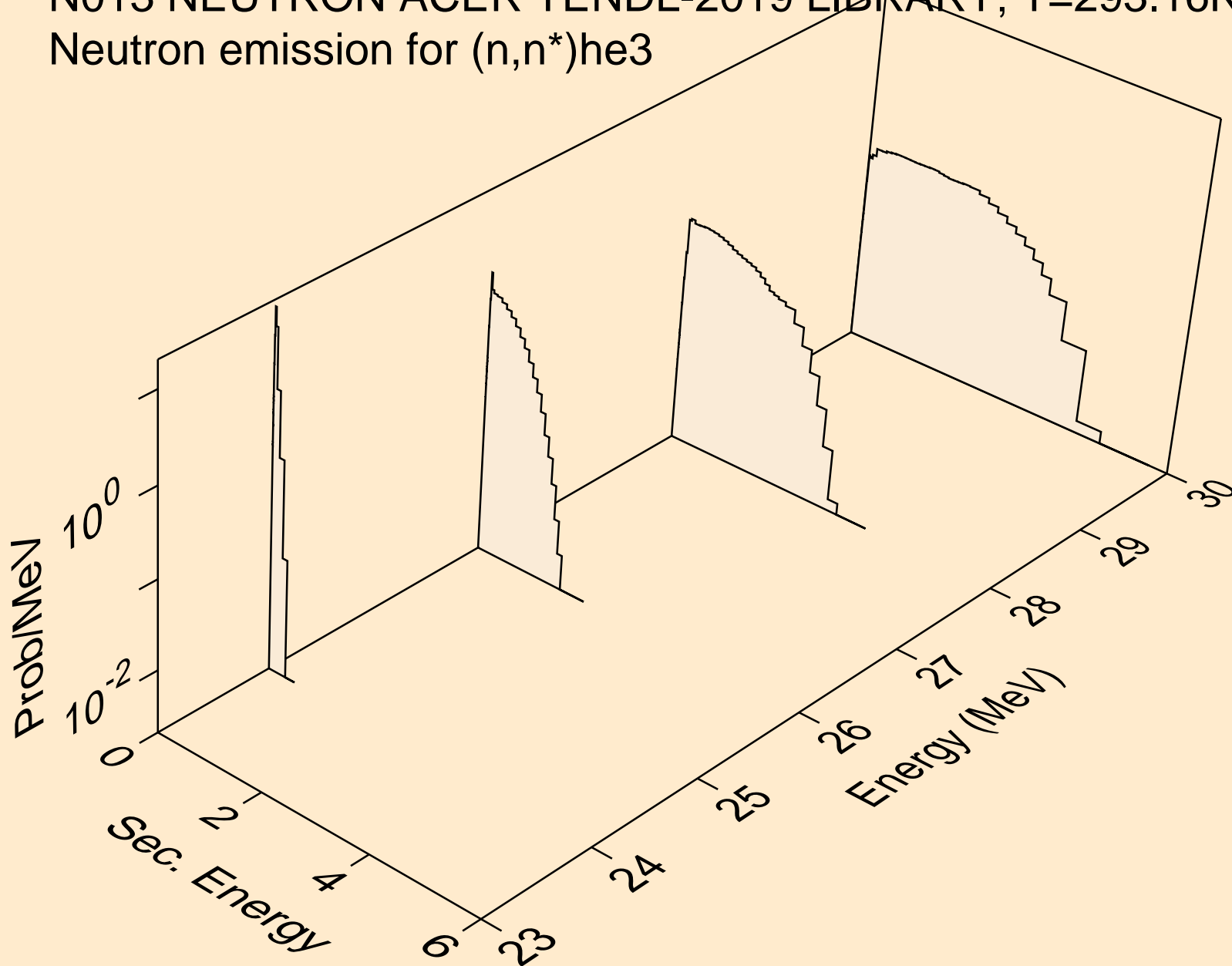
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Neutron emission for (n,n\*)d



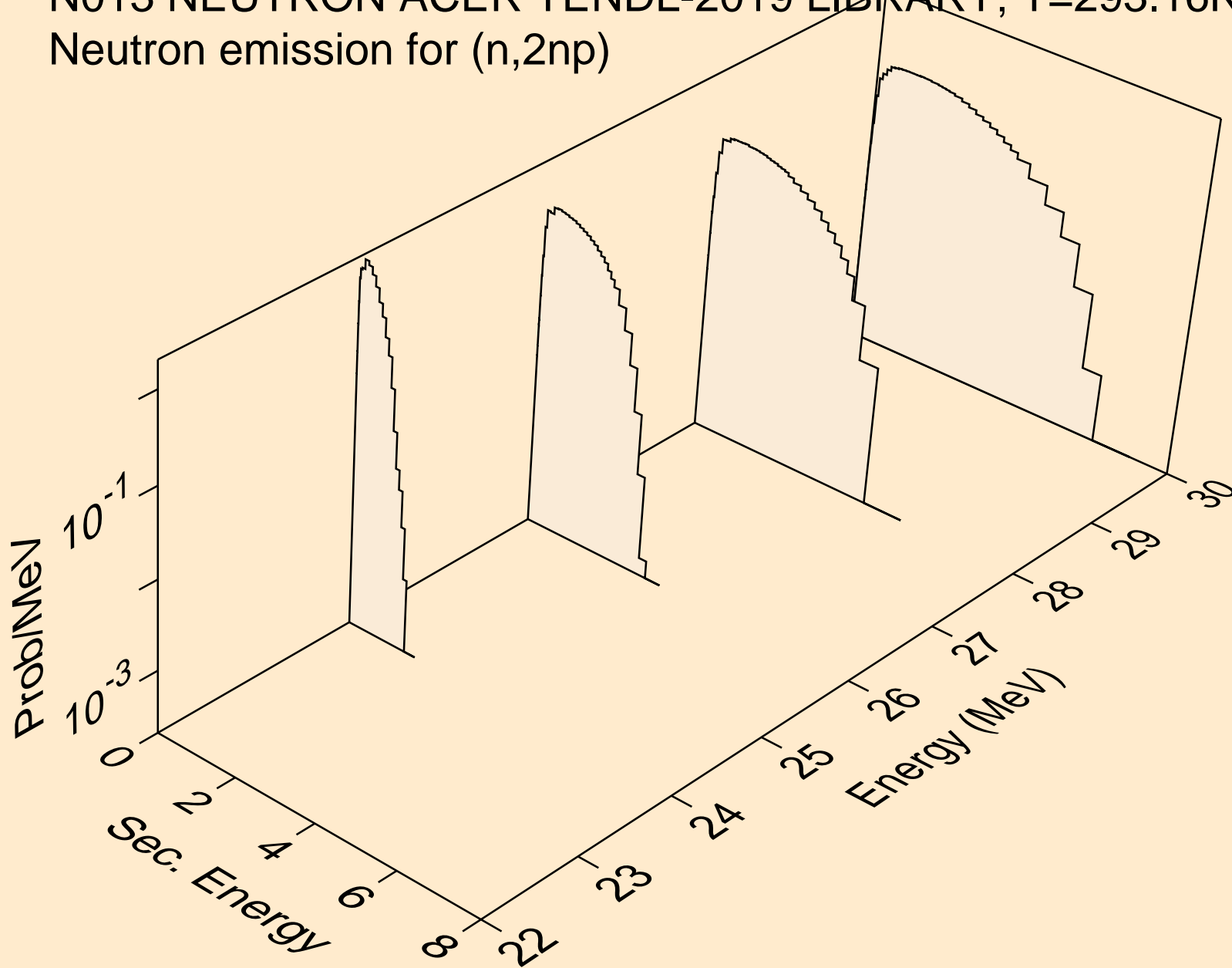
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Neutron emission for (n,n\*)t



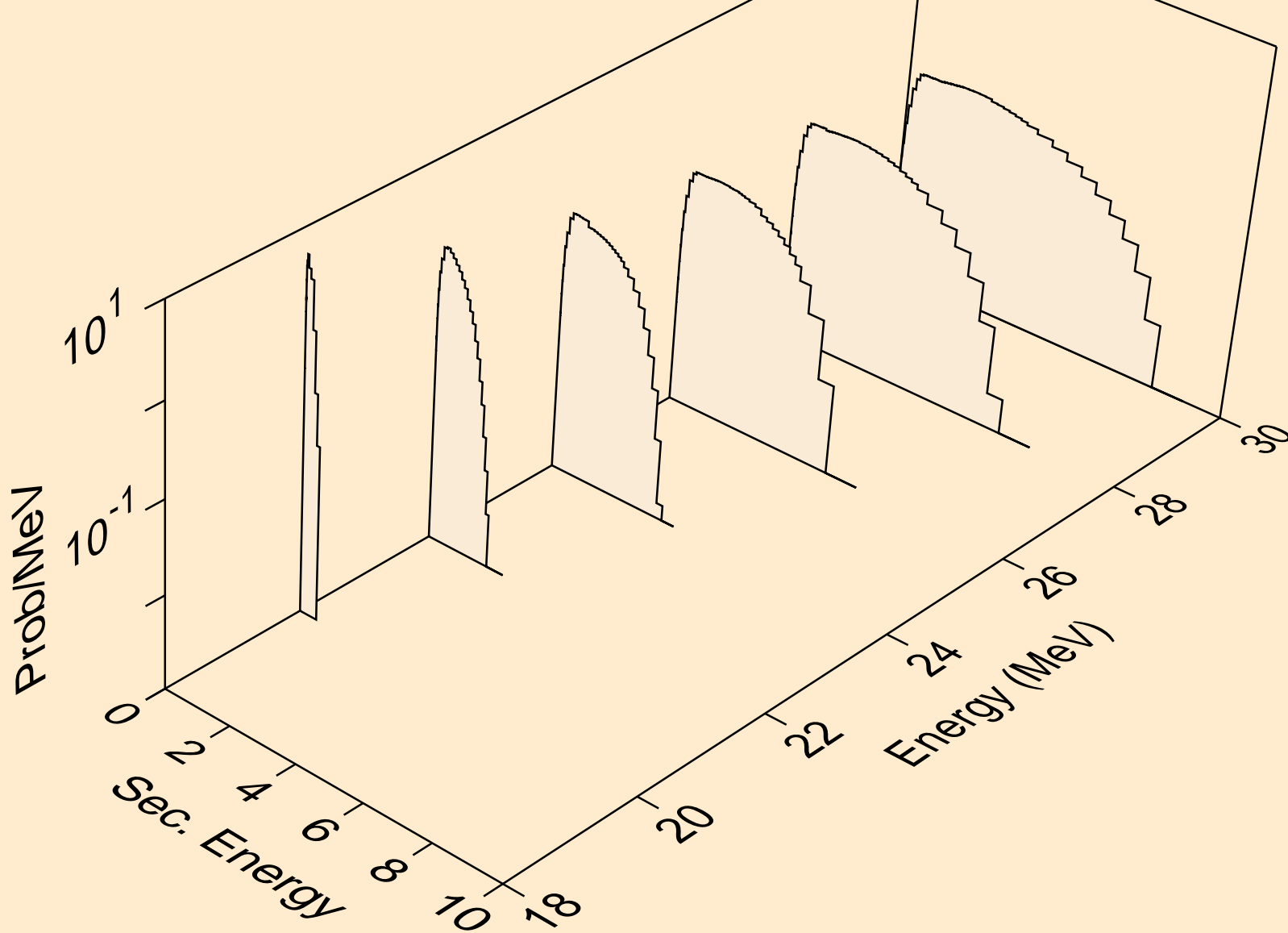
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Neutron emission for (n,n\*)he3



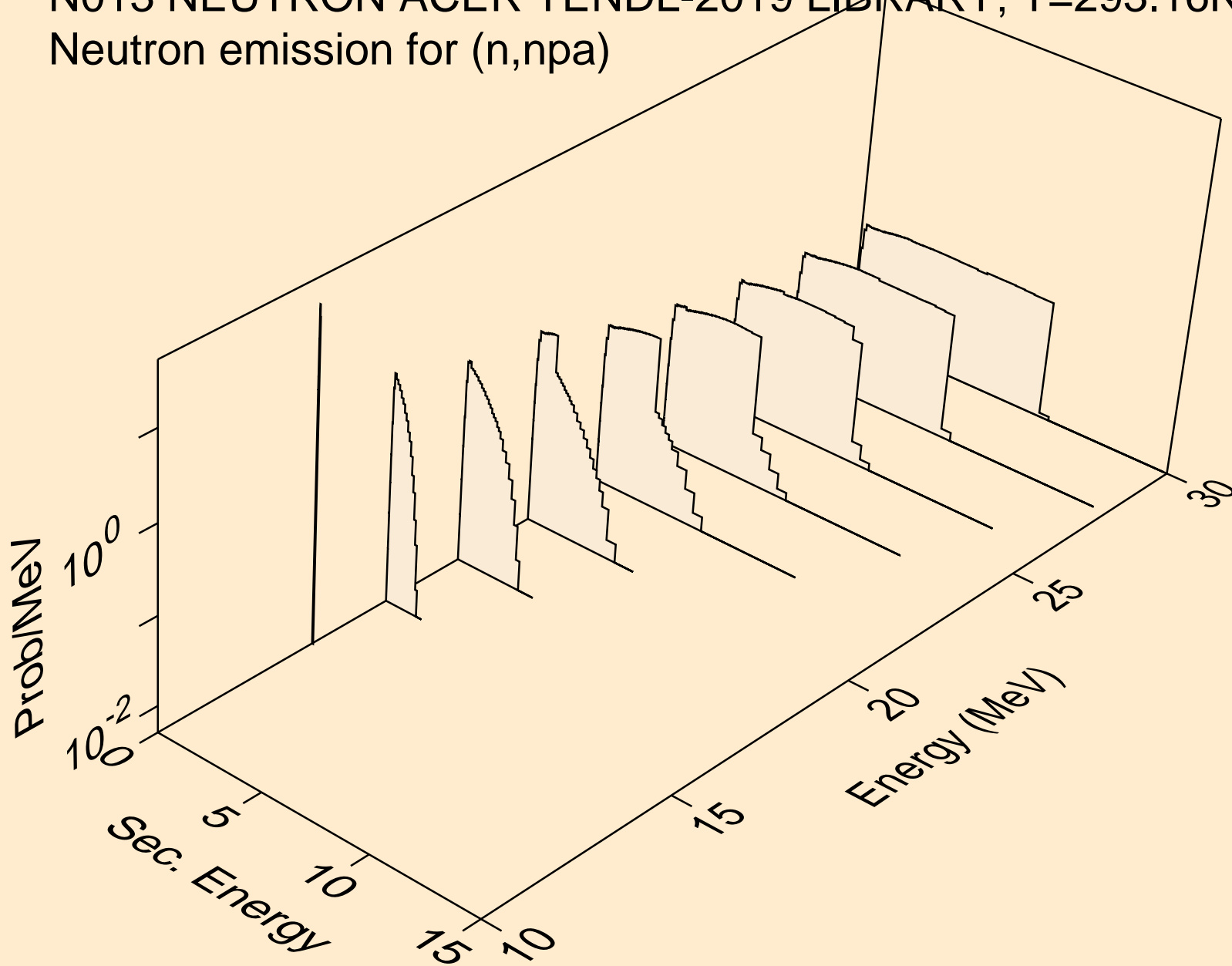
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Neutron emission for (n,2np)



N013 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2np)

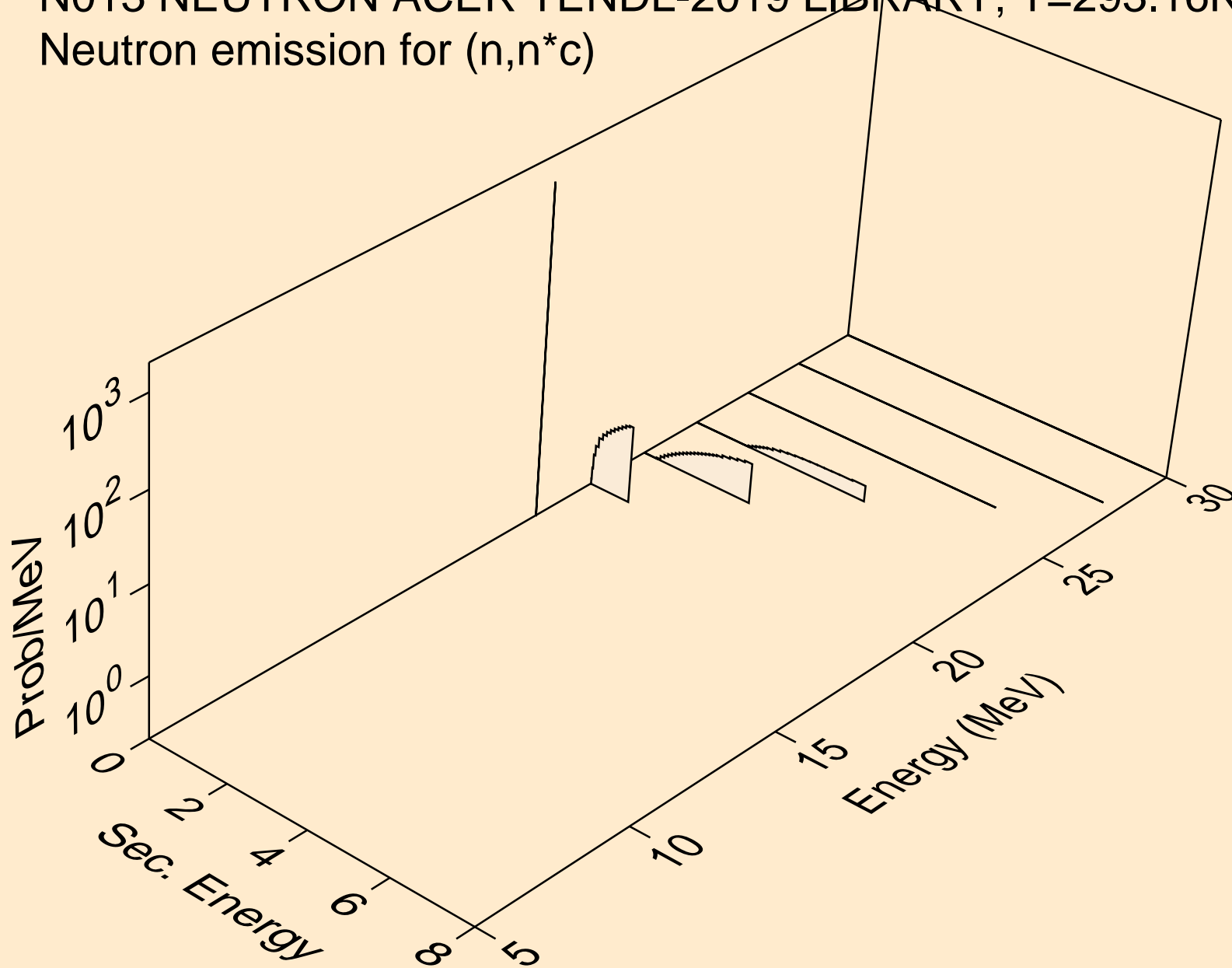


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Neutron emission for (n,npa)

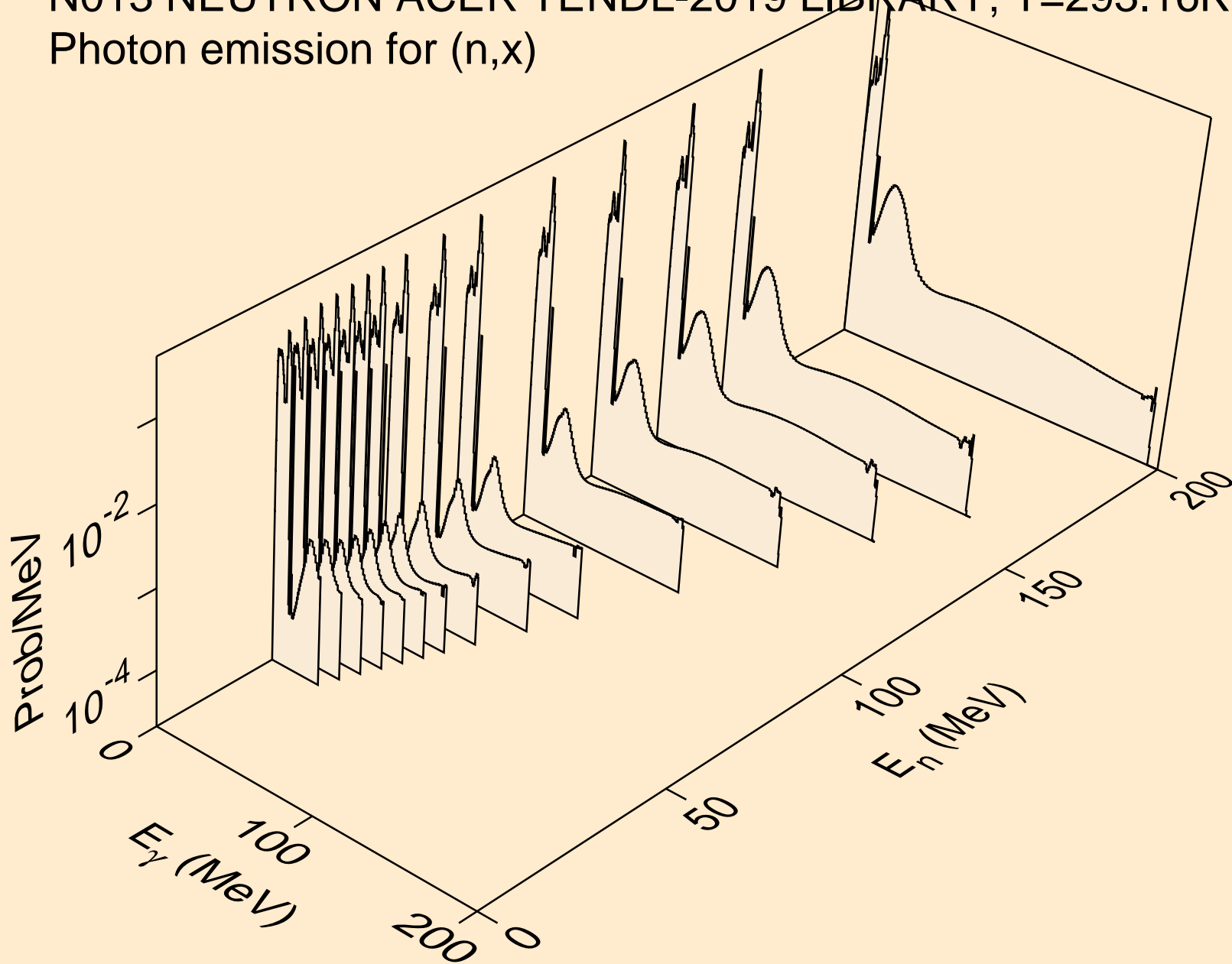




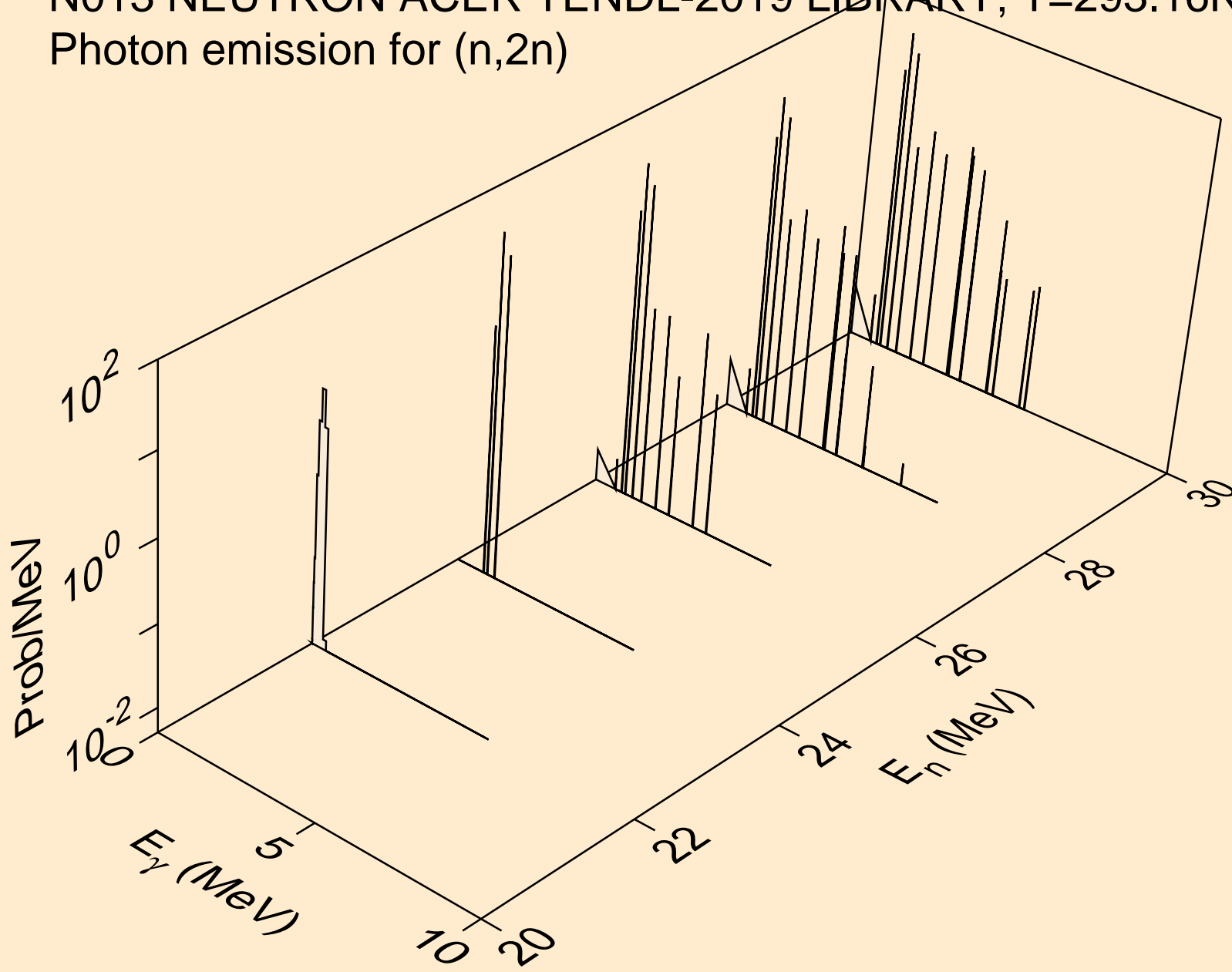
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Neutron emission for (n,n\*c)



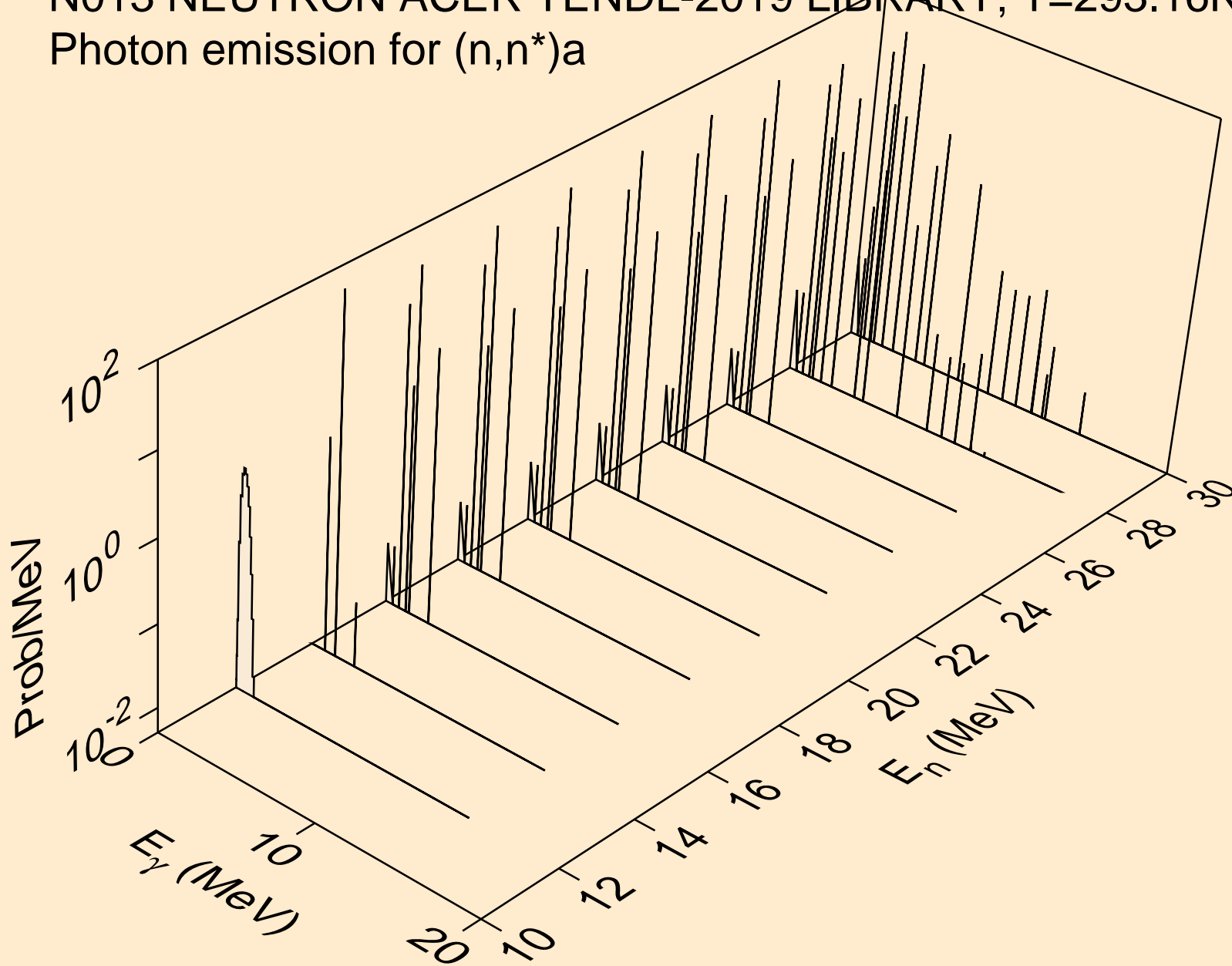
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Photon emission for (n,x)



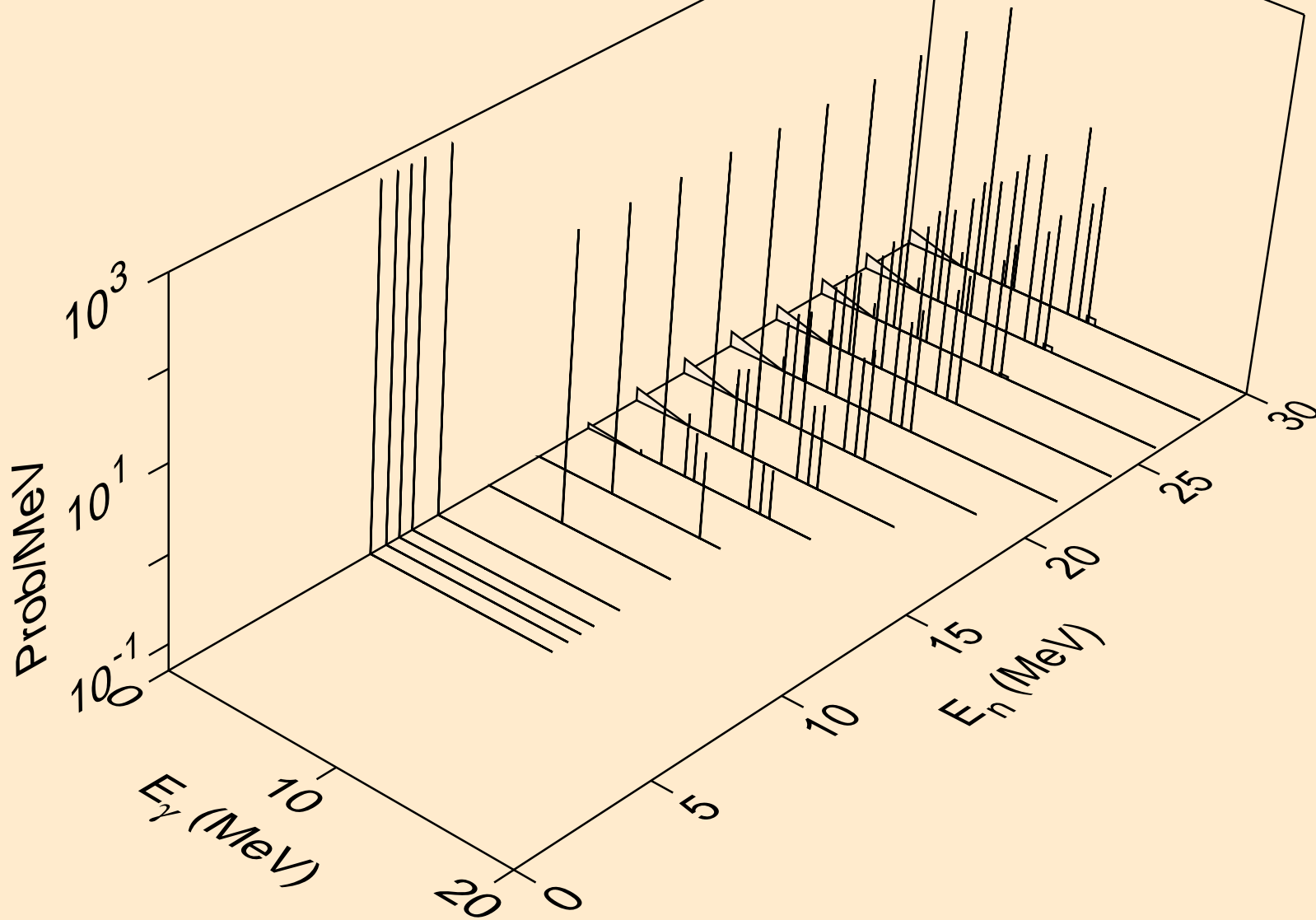
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Photon emission for (n,2n)



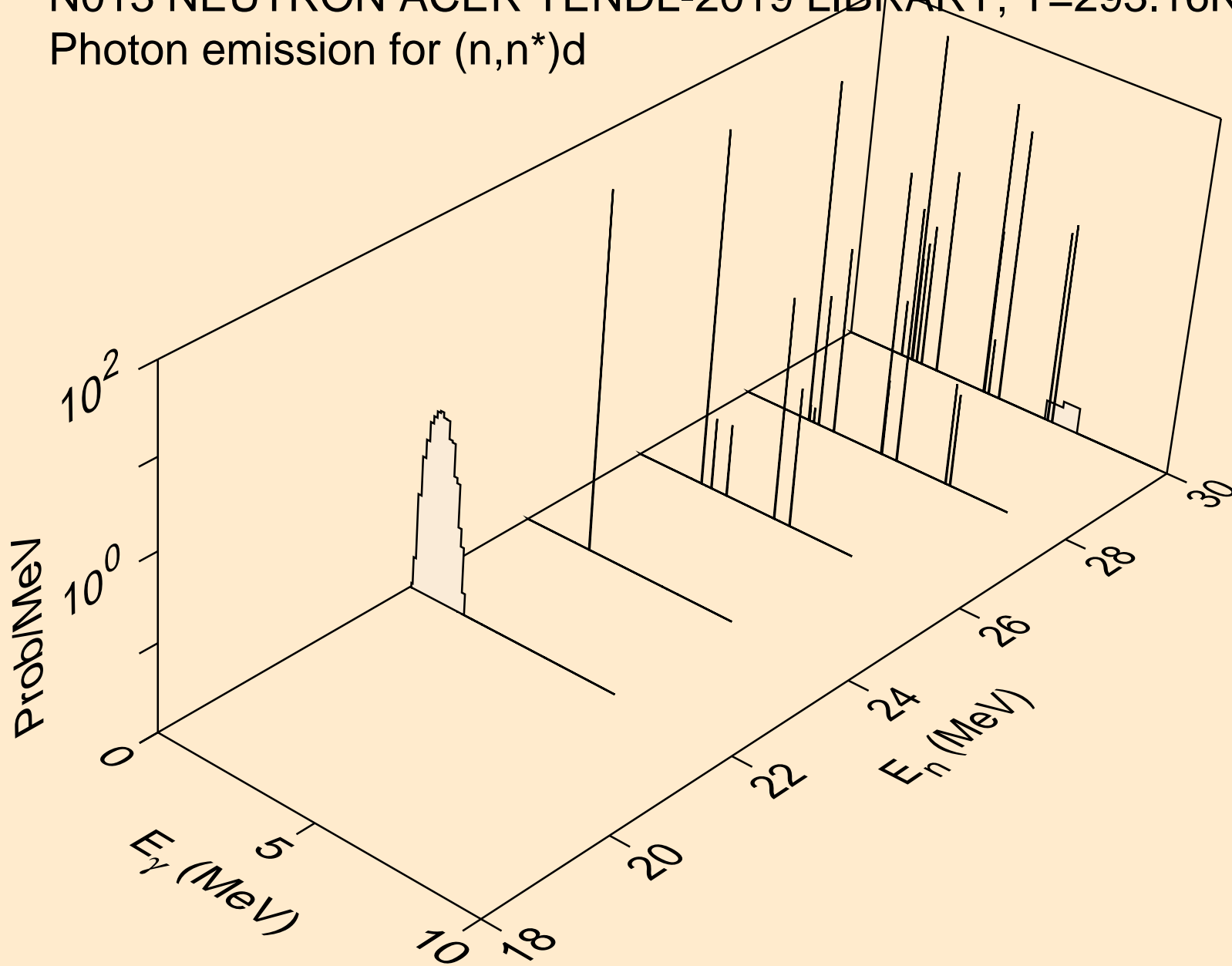
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Photon emission for (n,n\*)a



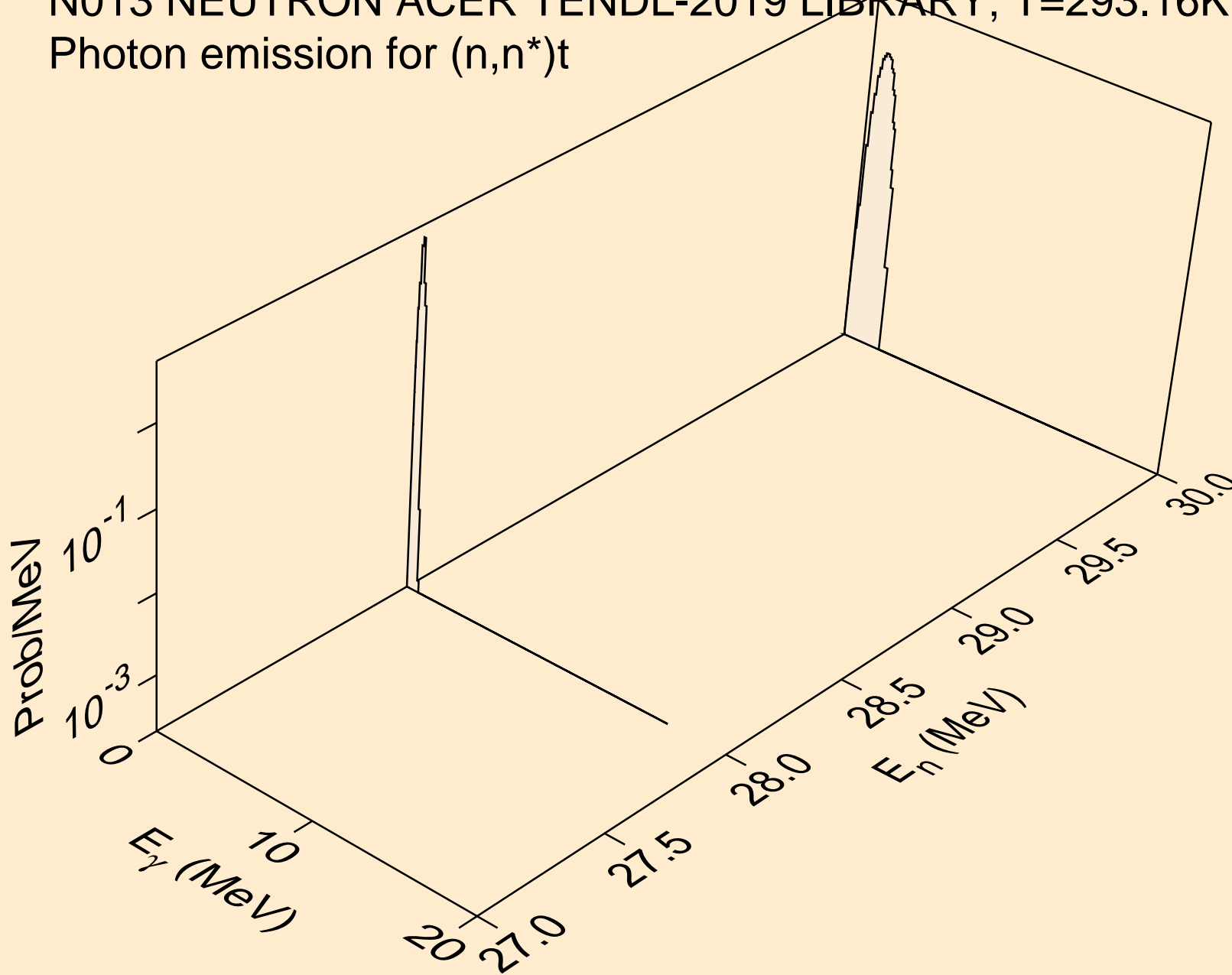
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Photon emission for (n,n\*)p



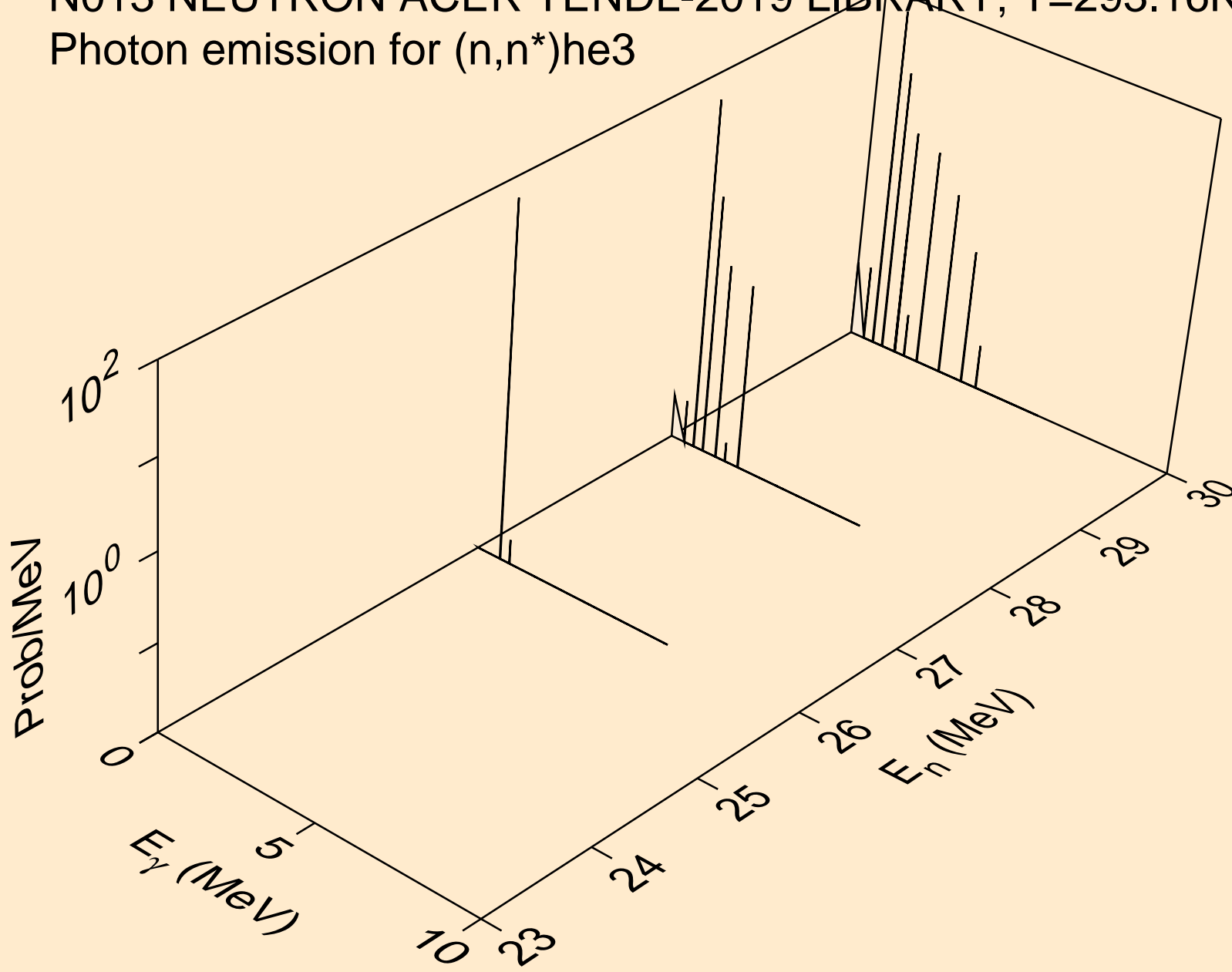
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Photon emission for (n,n\*)d



N013 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)t

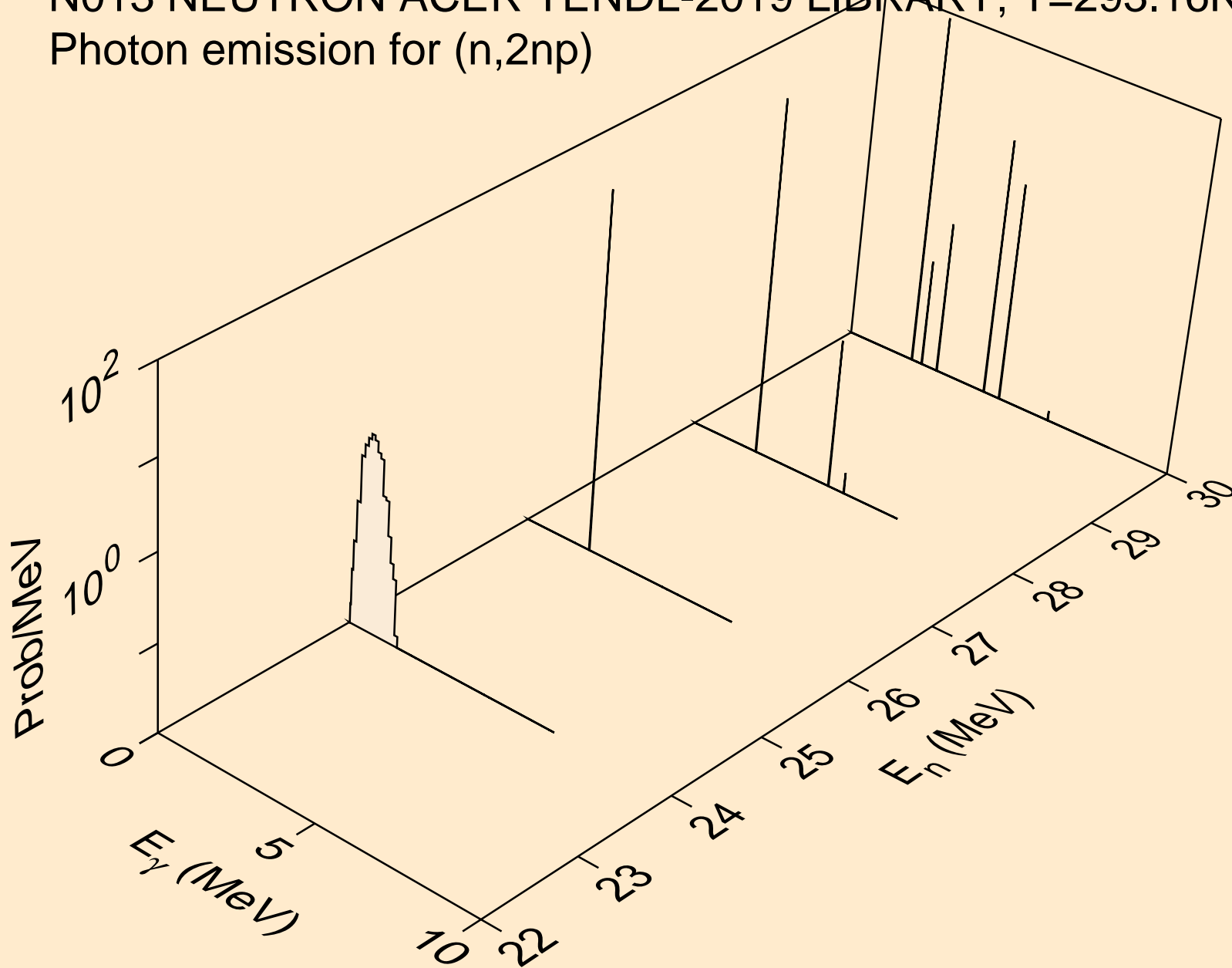


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Photon emission for (n,n\*)he3

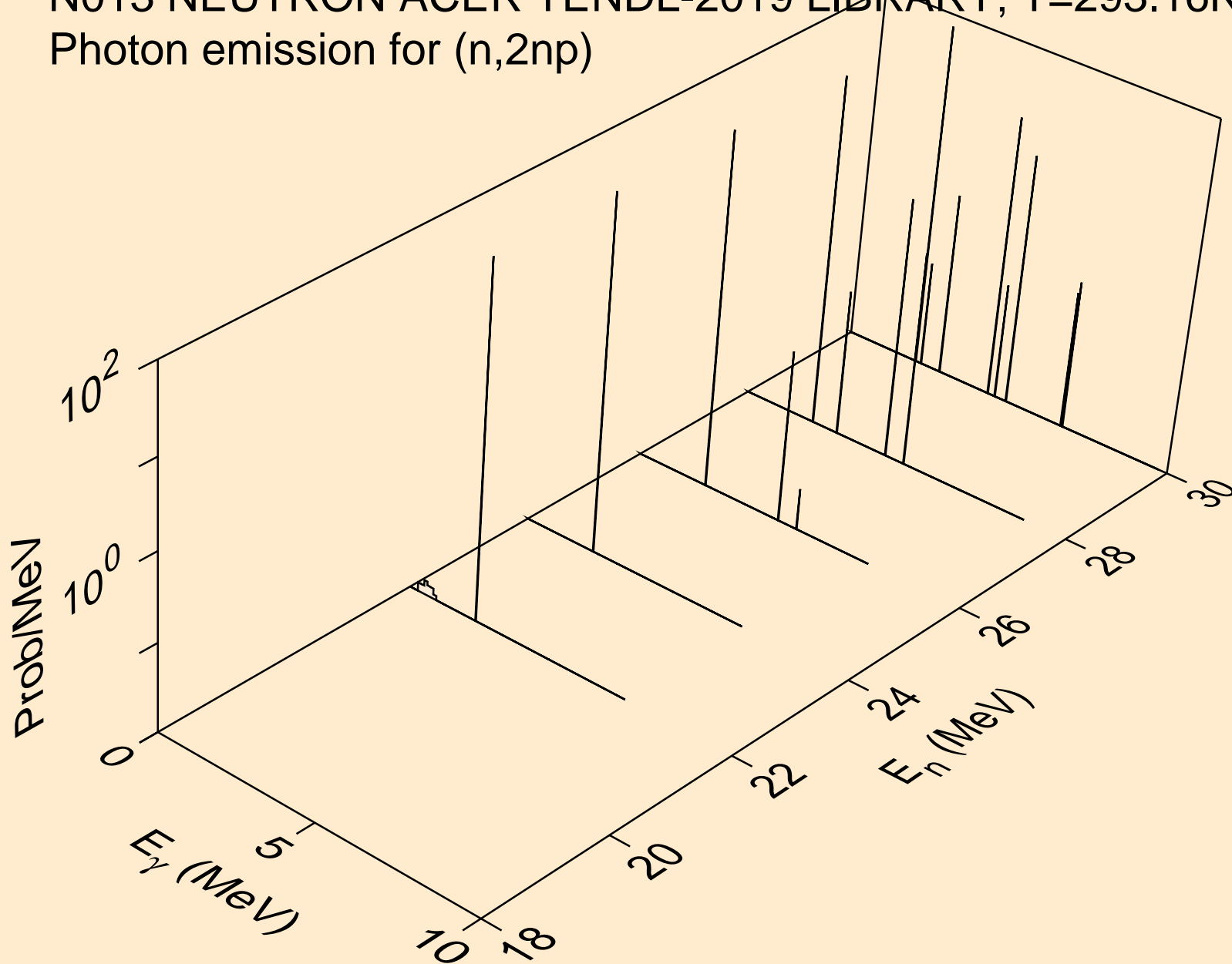




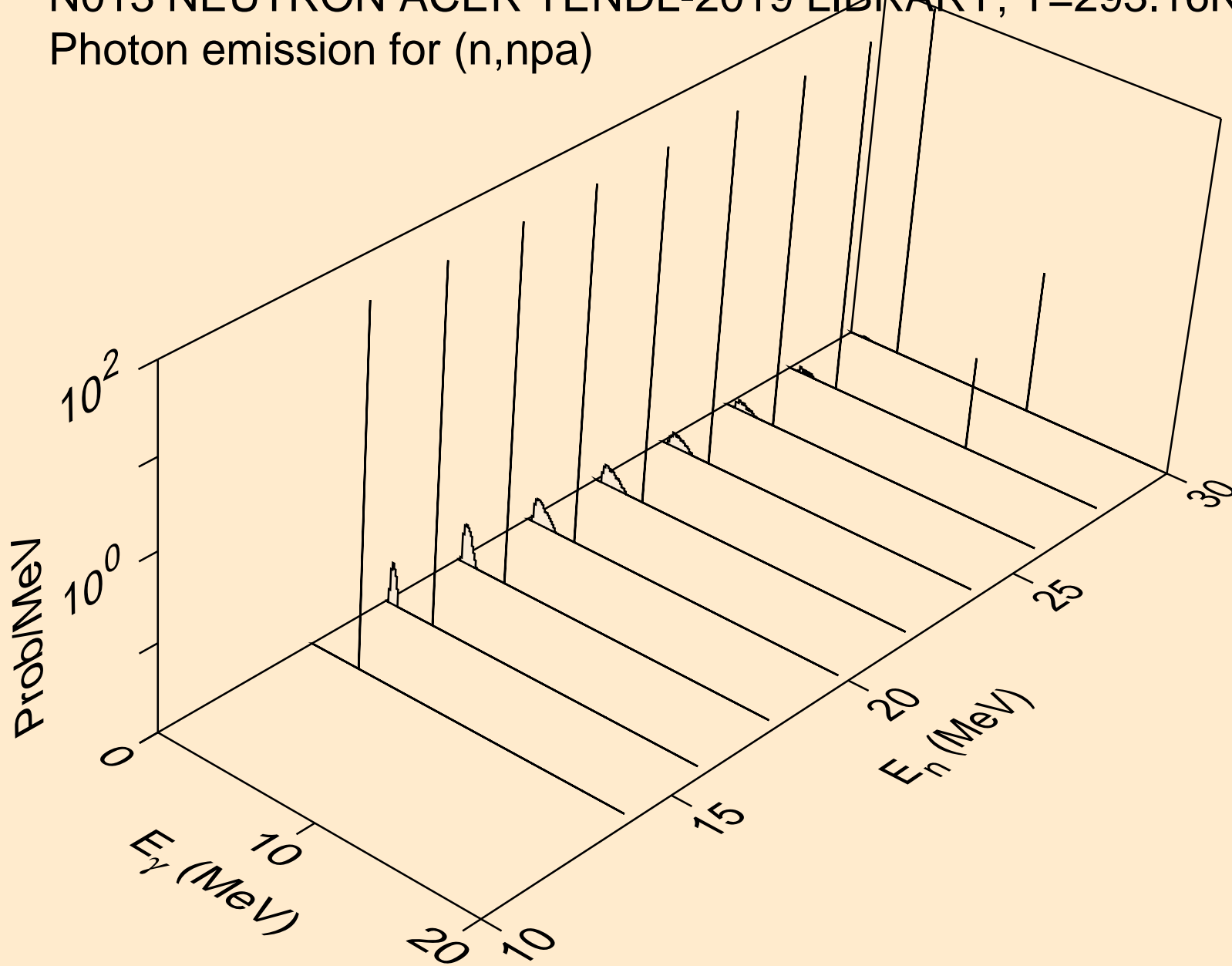
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Photon emission for (n,2np)



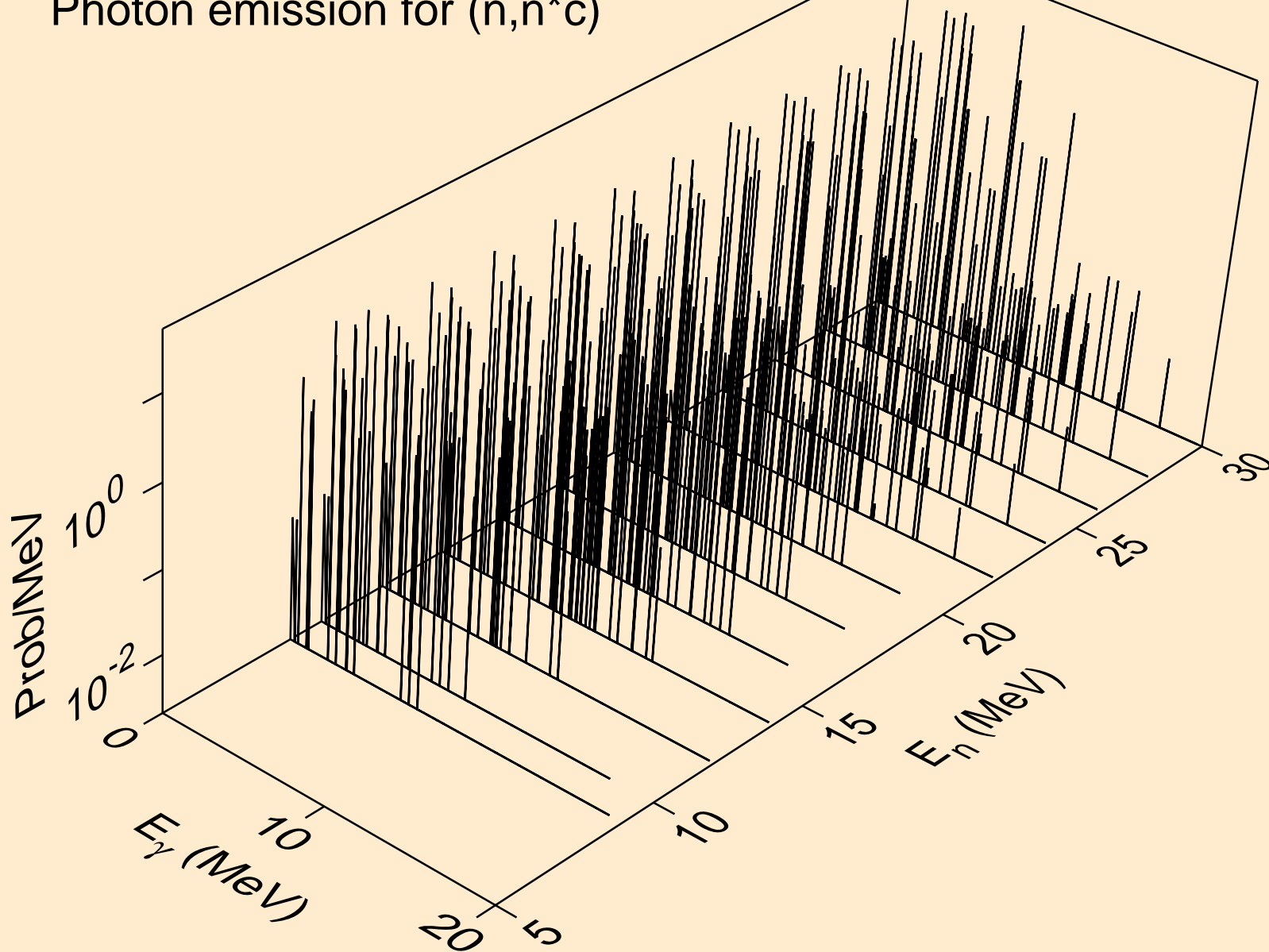
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Photon emission for (n,2np)



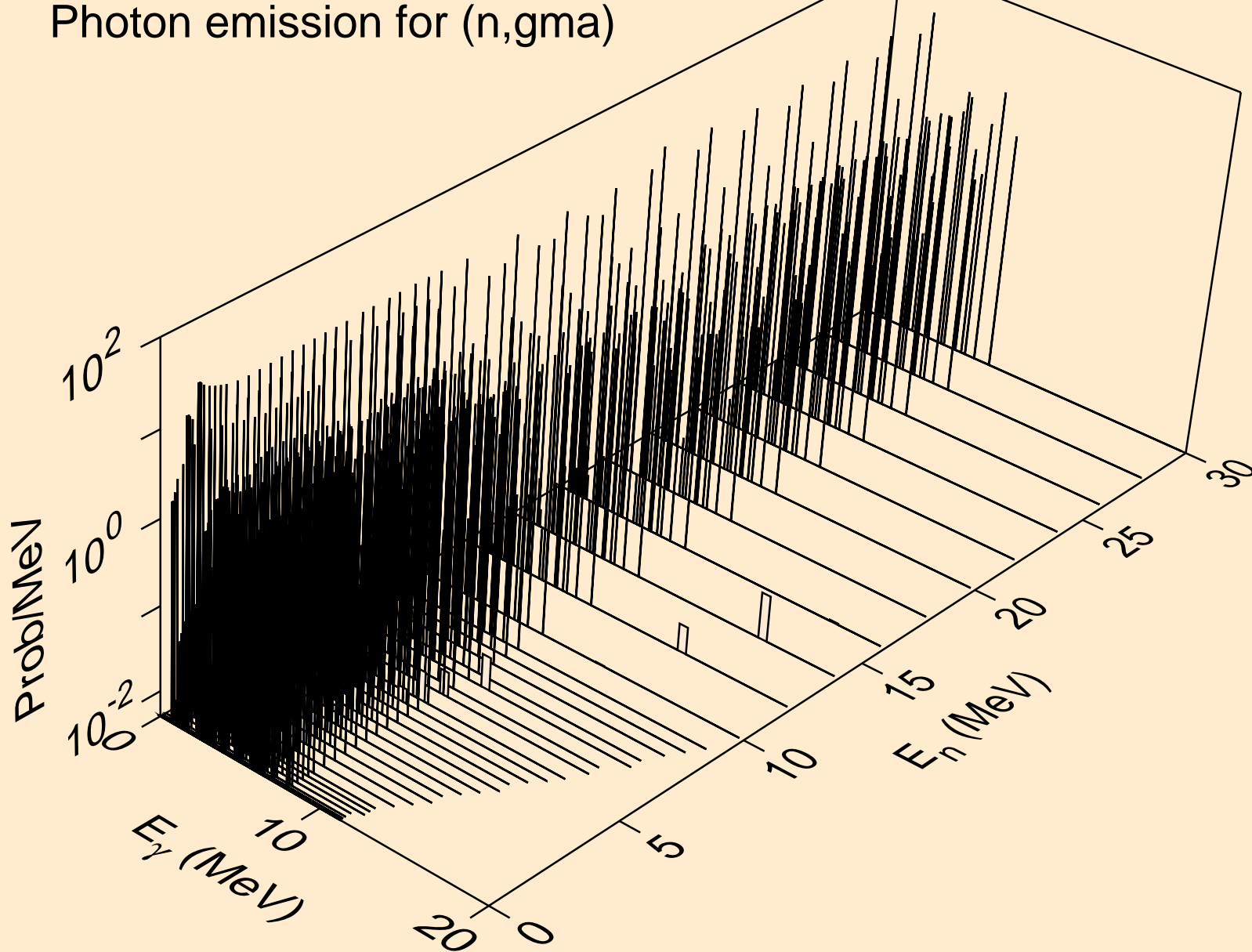
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Photon emission for (n,npa)



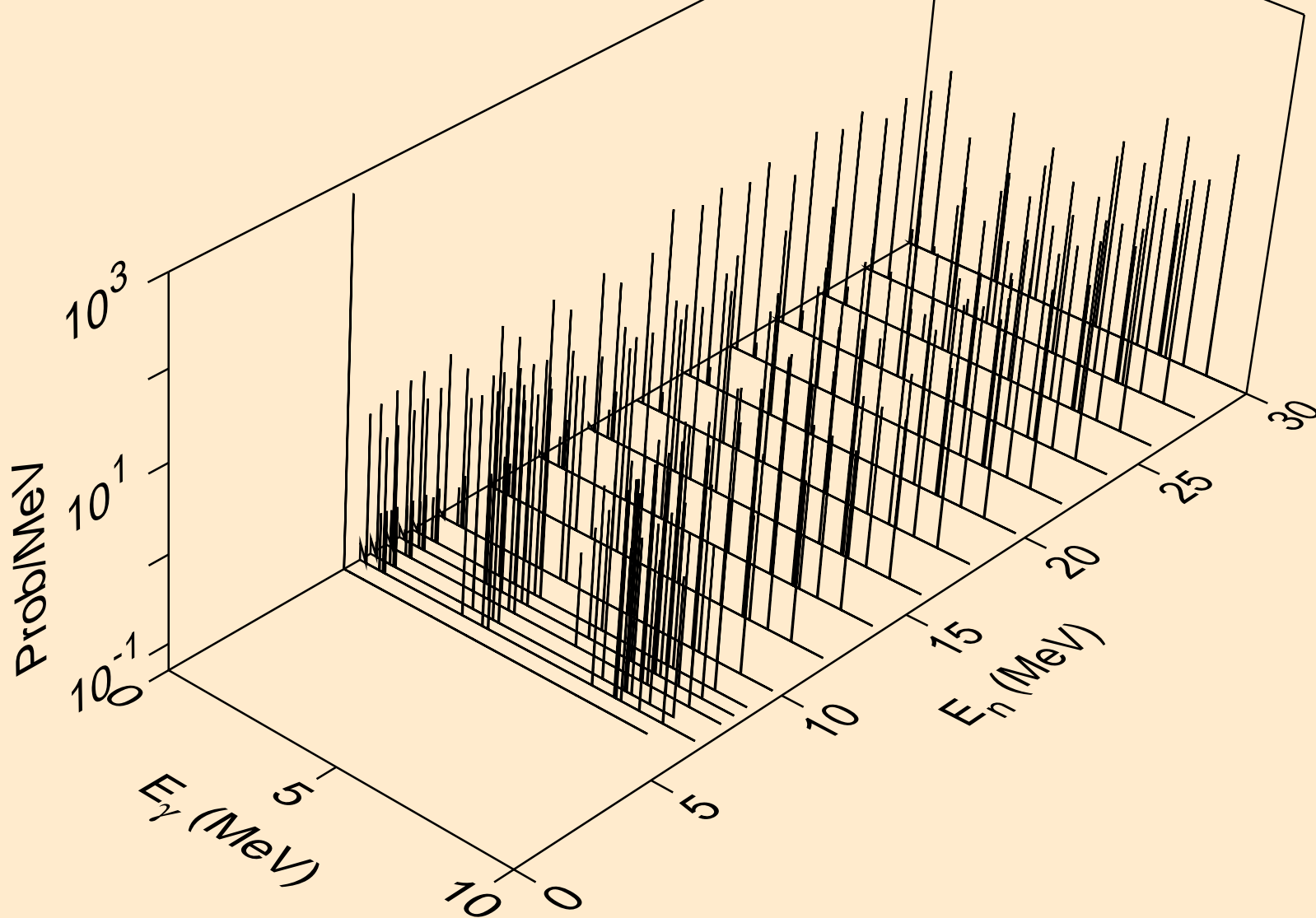
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Photon emission for (n,n\*c)



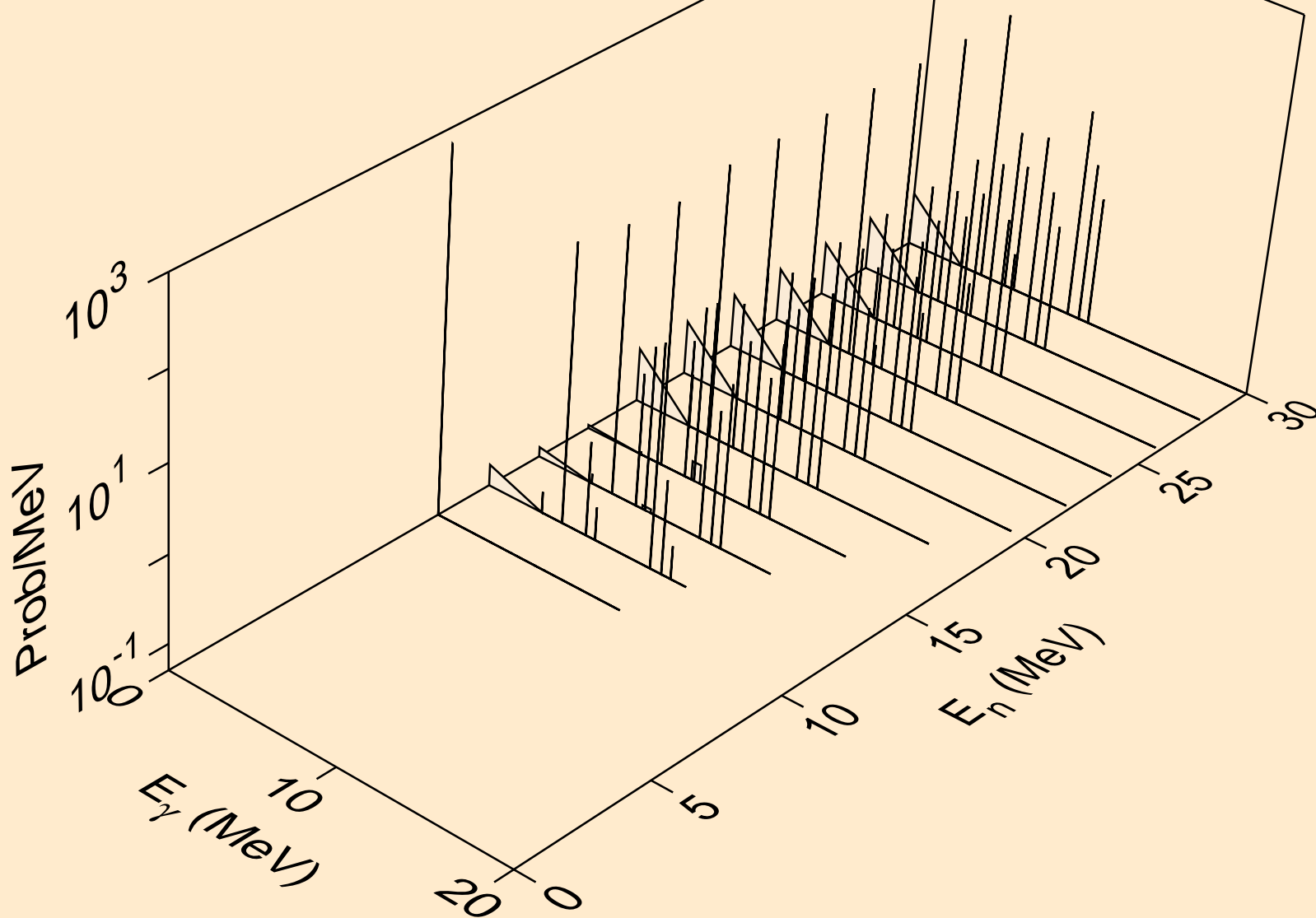
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Photon emission for (n,gma)



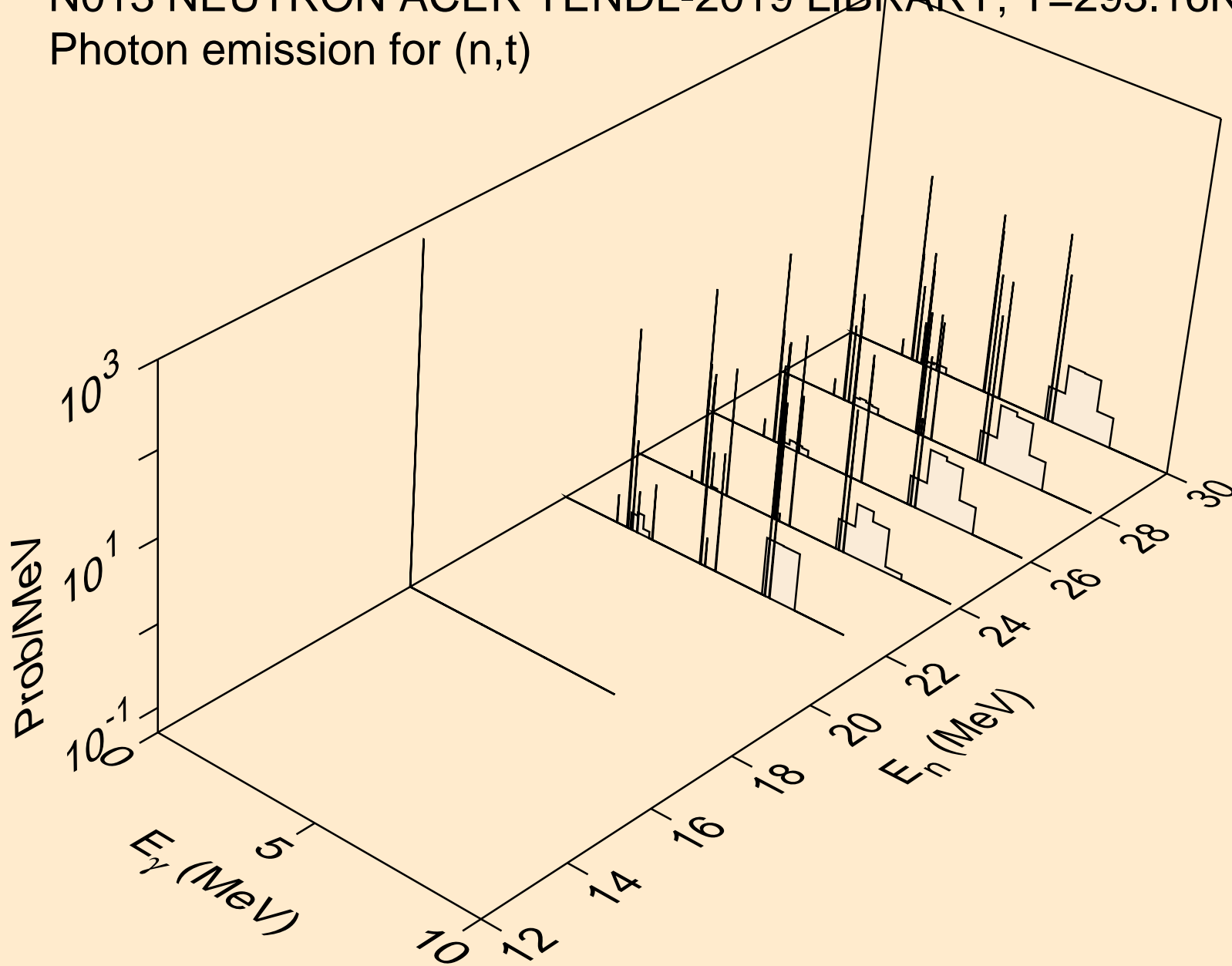
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Photon emission for (n,p)



N013 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,d)

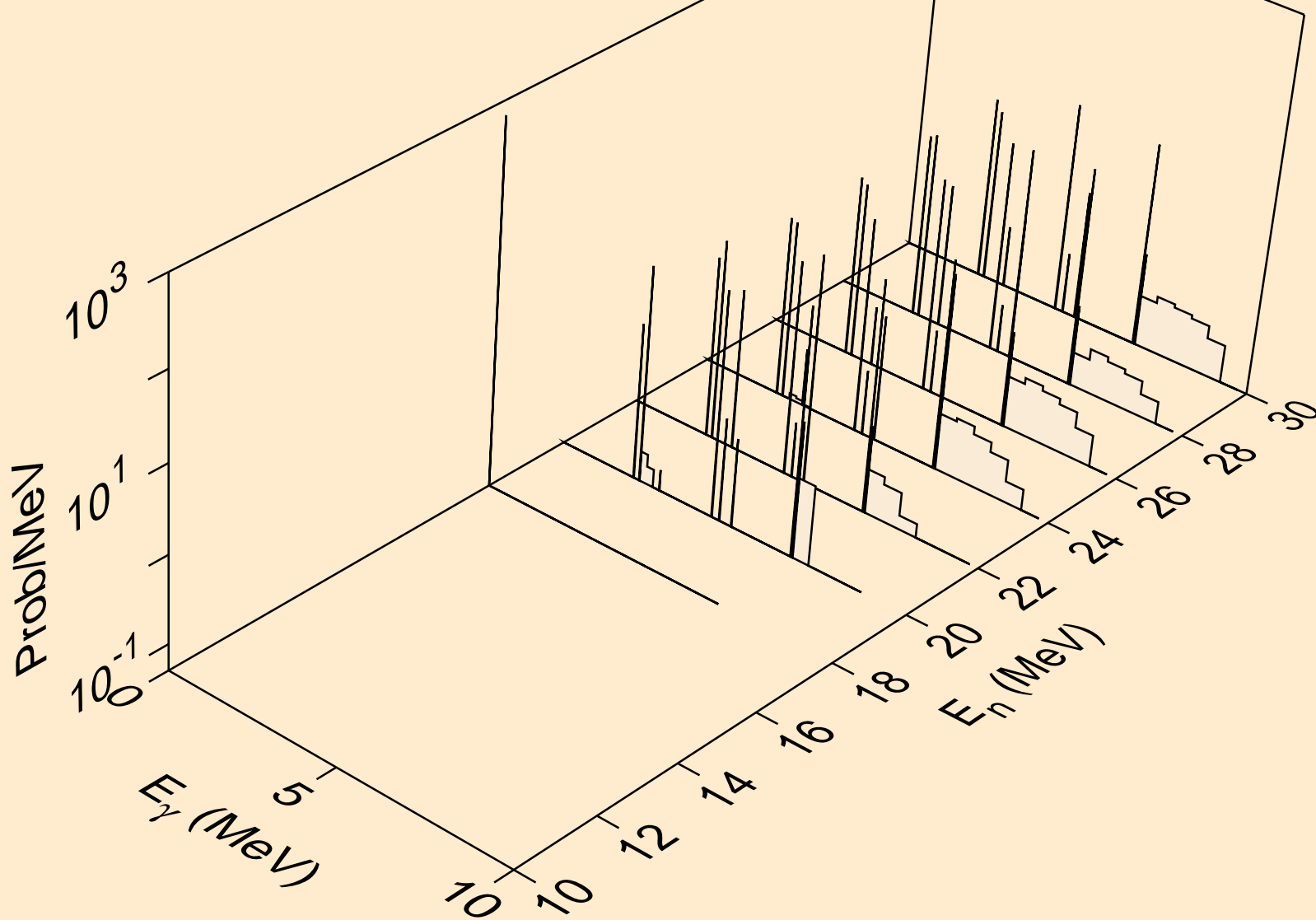


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Photon emission for (n,t)

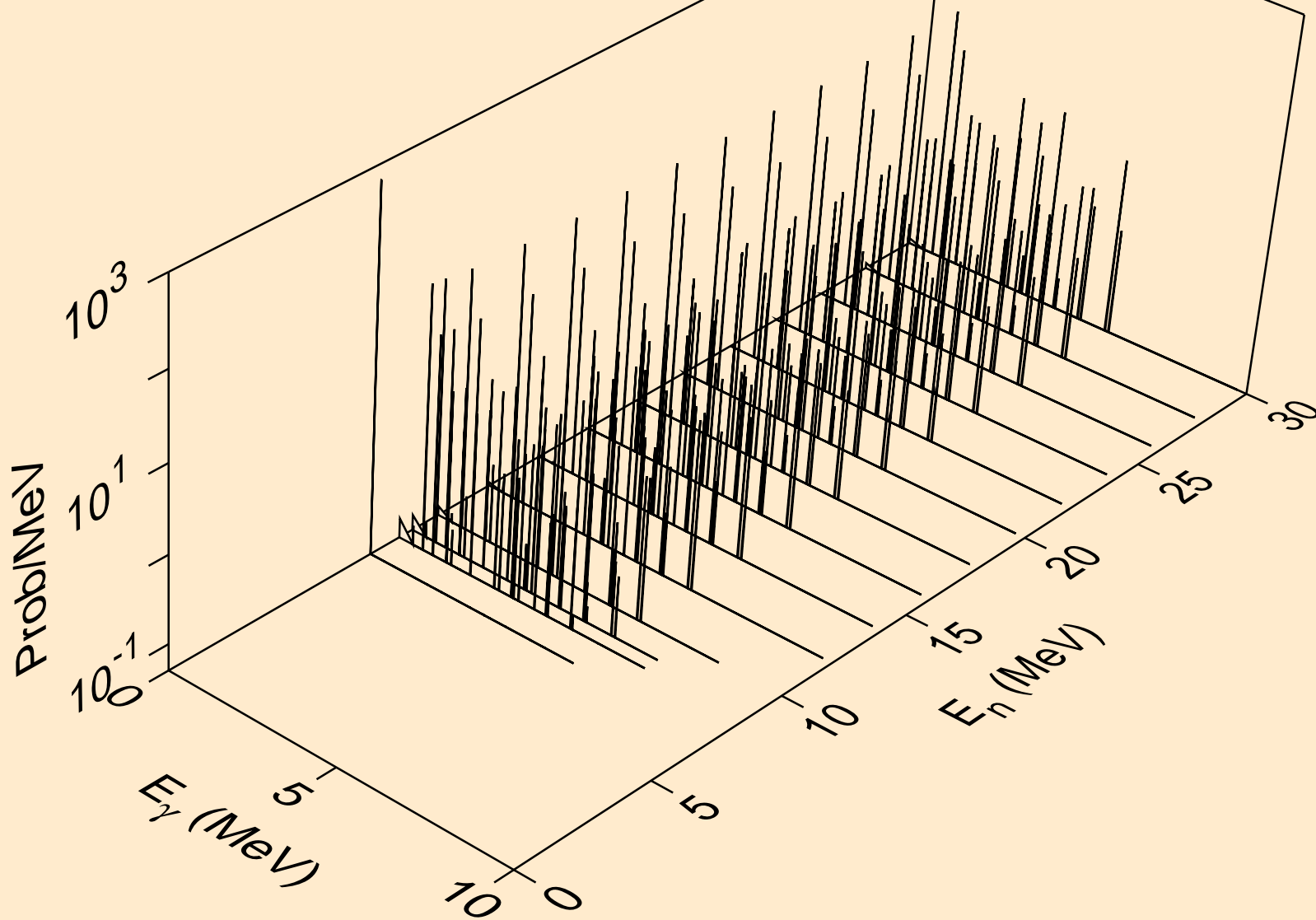




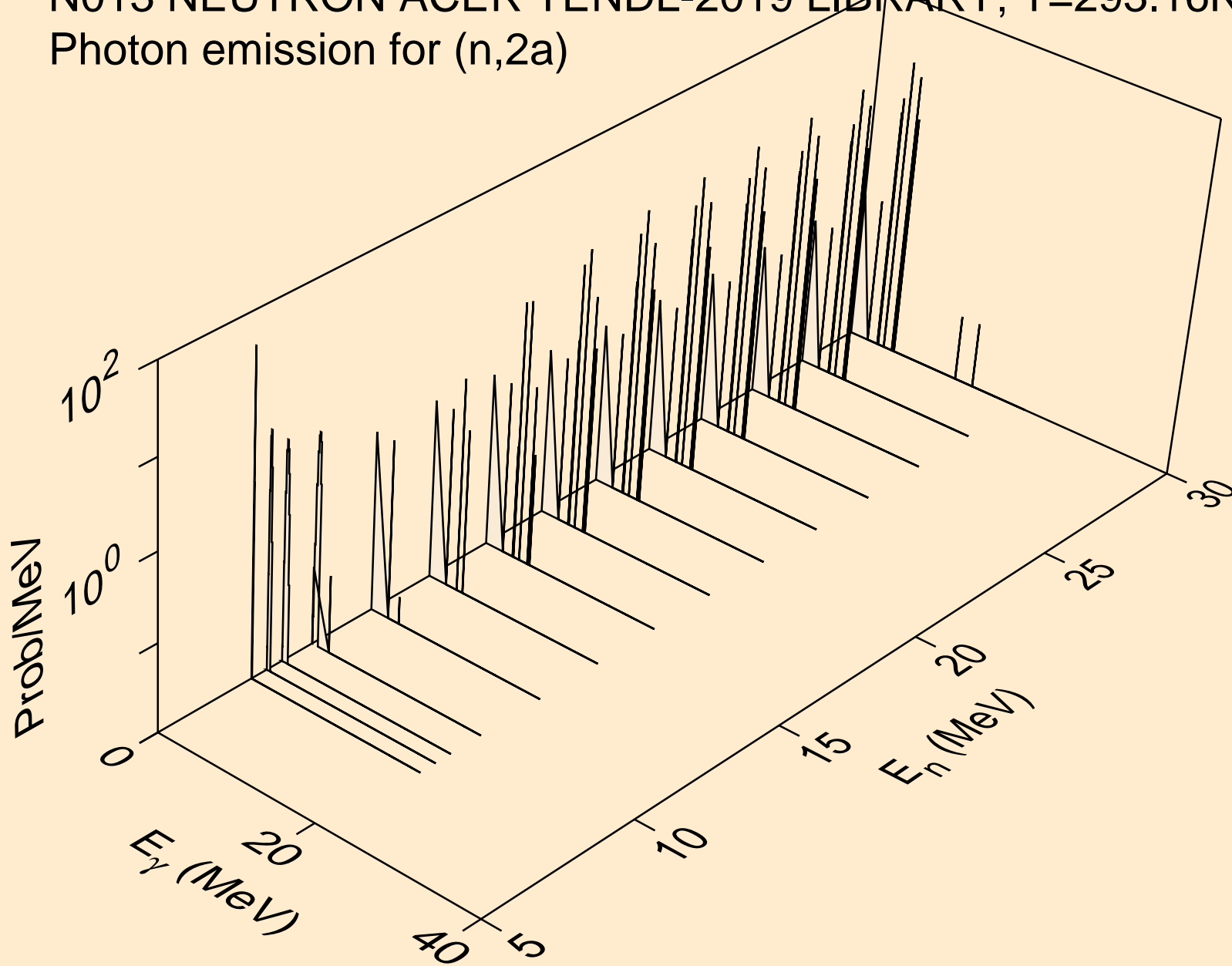
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Photon emission for (n,he3)



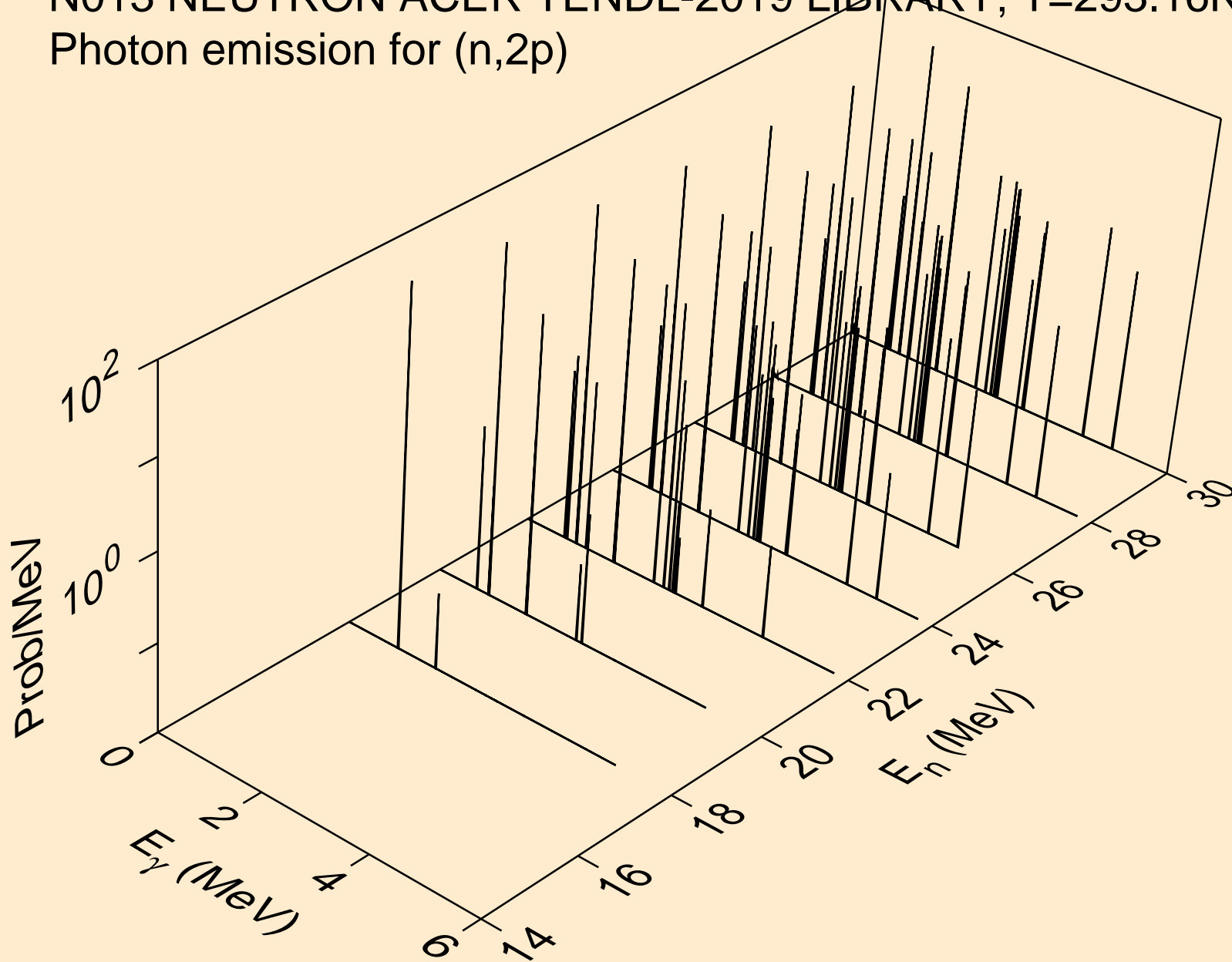
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Photon emission for (n,a)



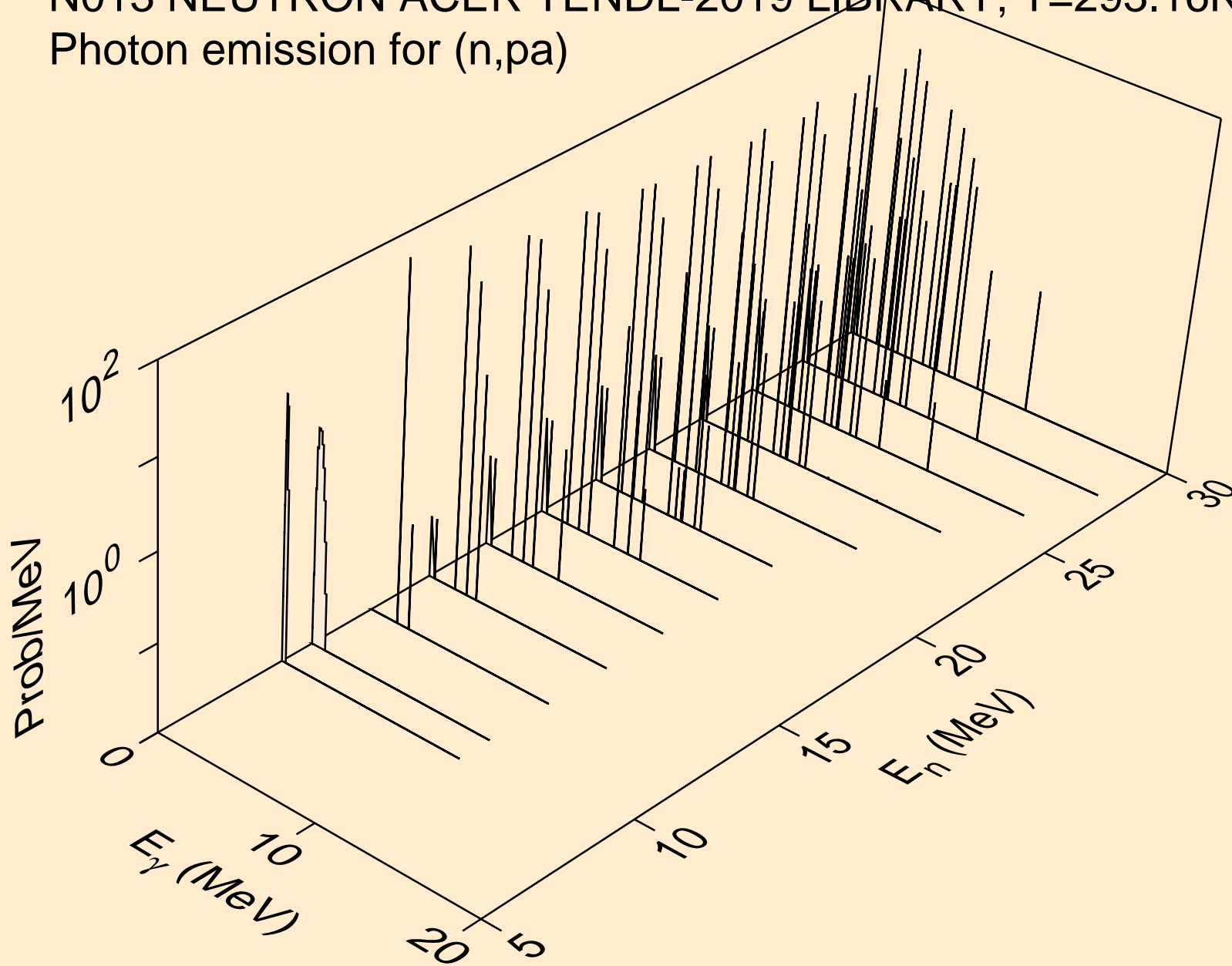
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Photon emission for (n,2a)



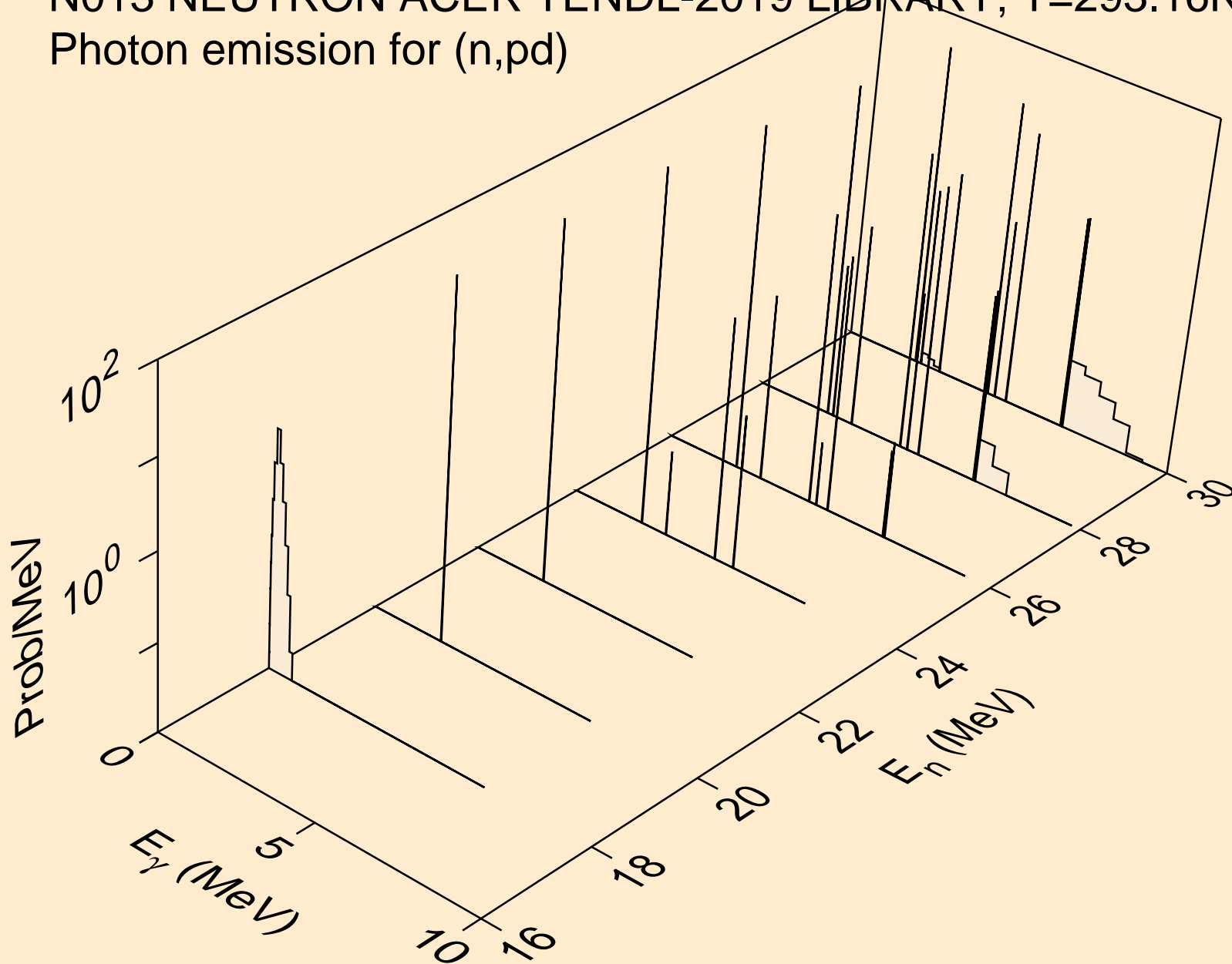
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Photon emission for (n,2p)



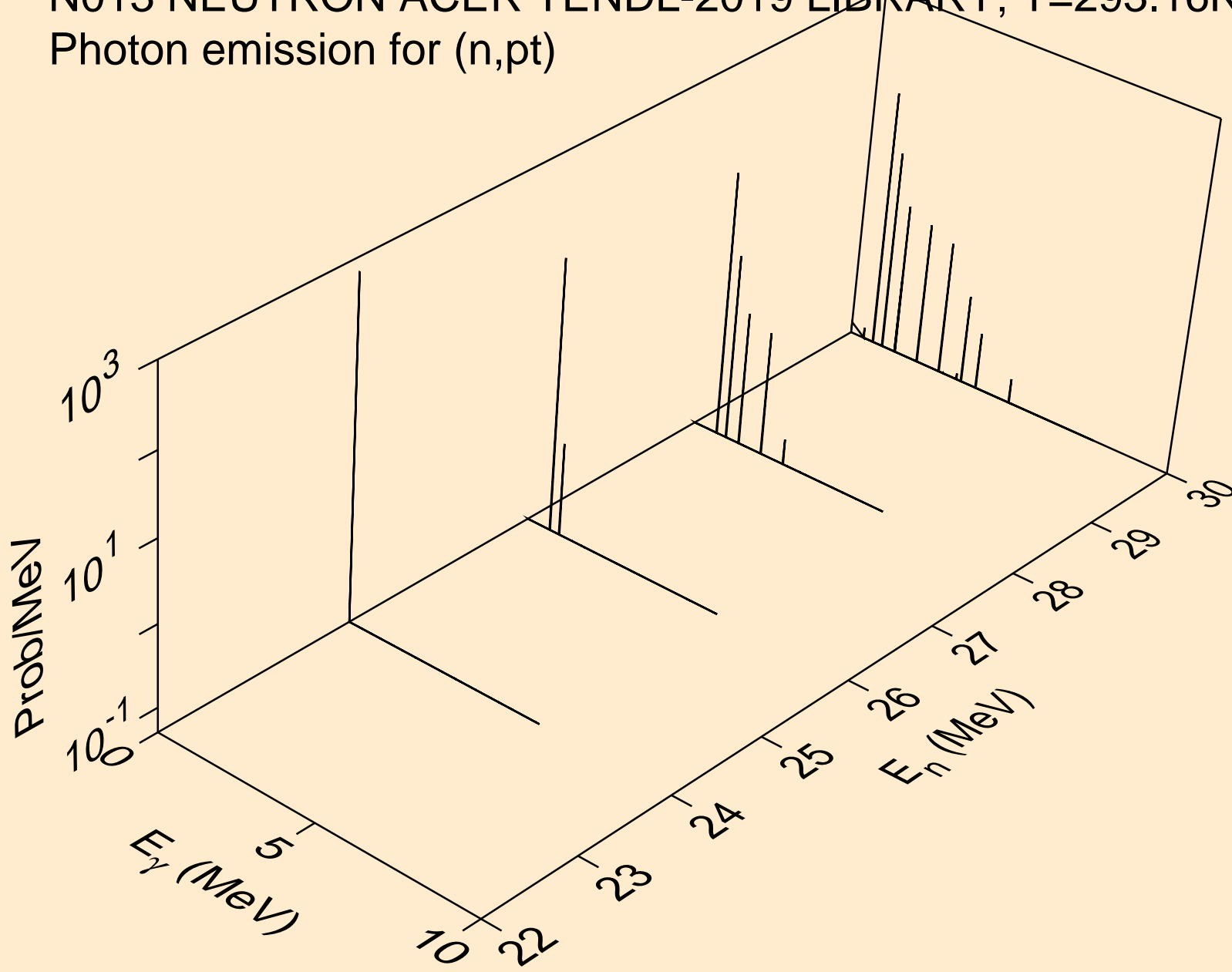
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Photon emission for (n,p $\alpha$ )



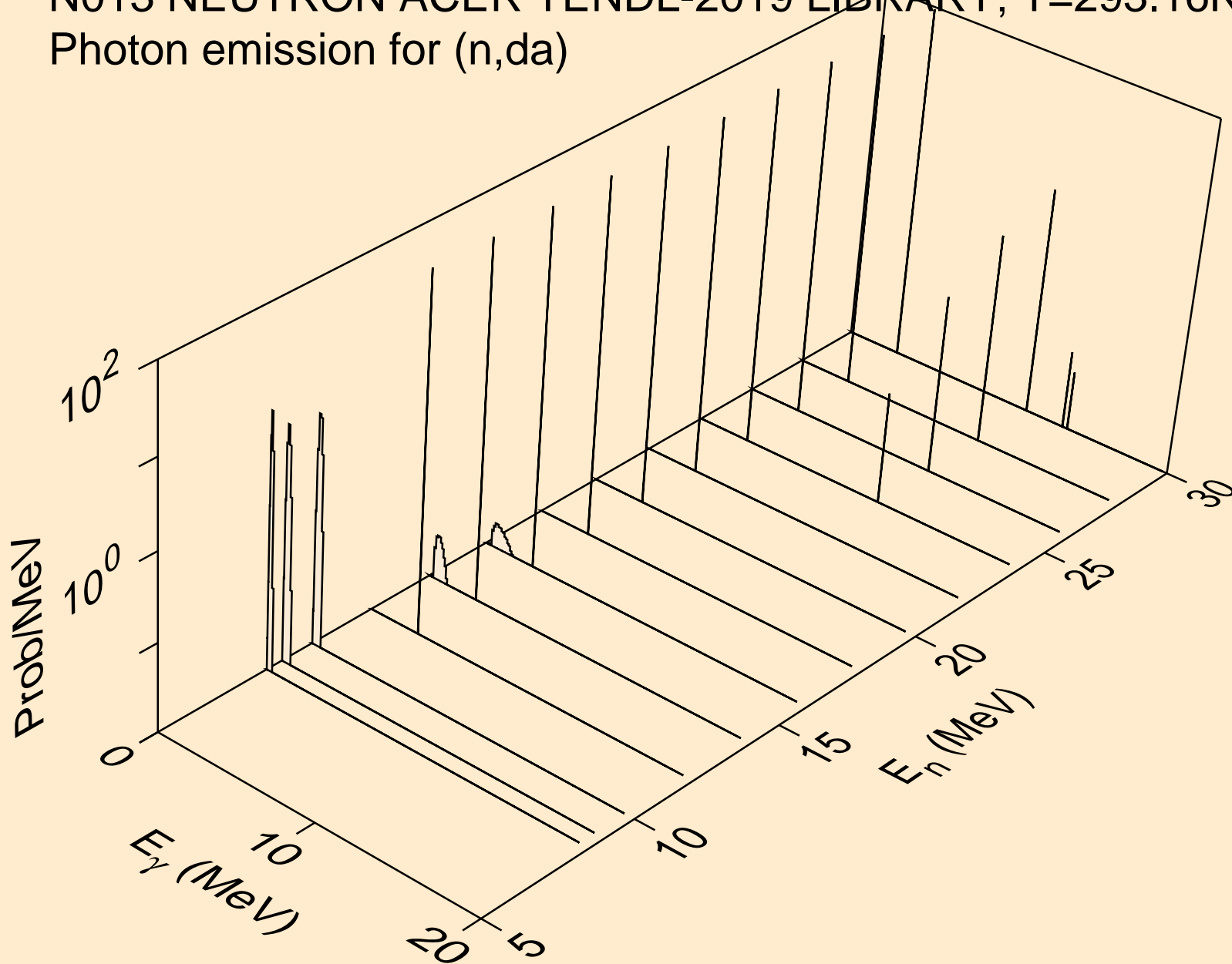
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Photon emission for (n,pd)



N013 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,pt)

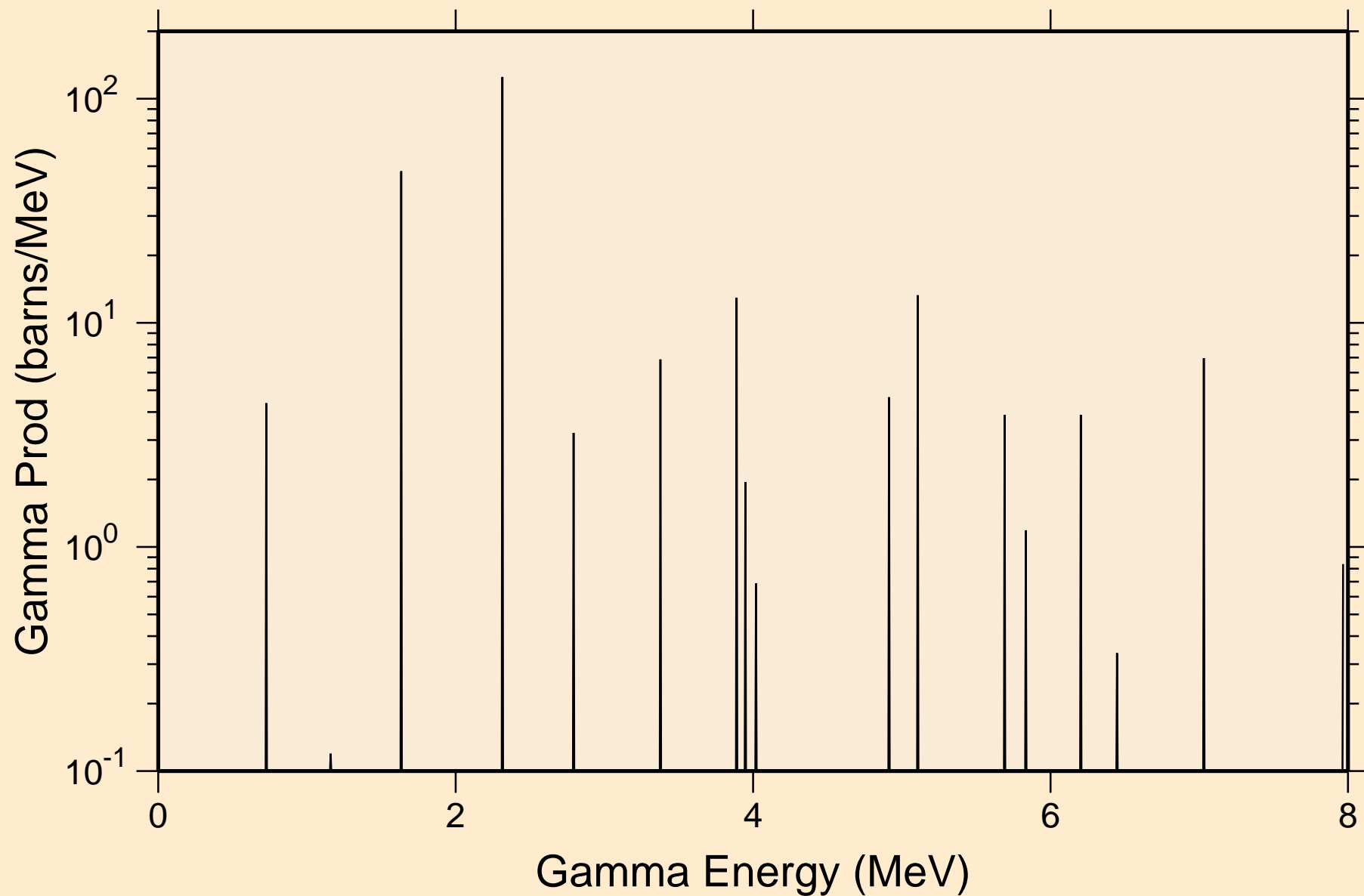


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Photon emission for (n,da)

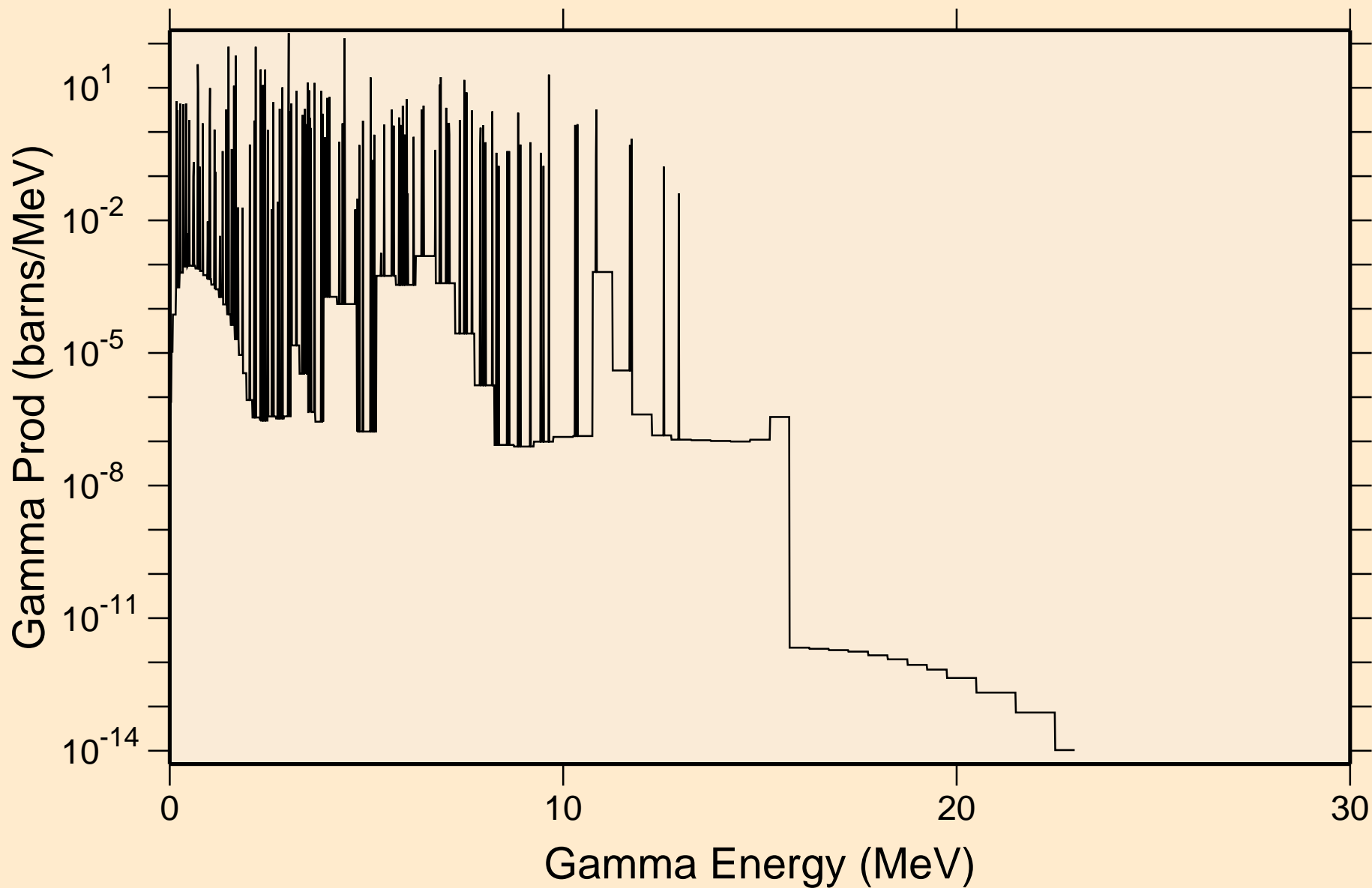




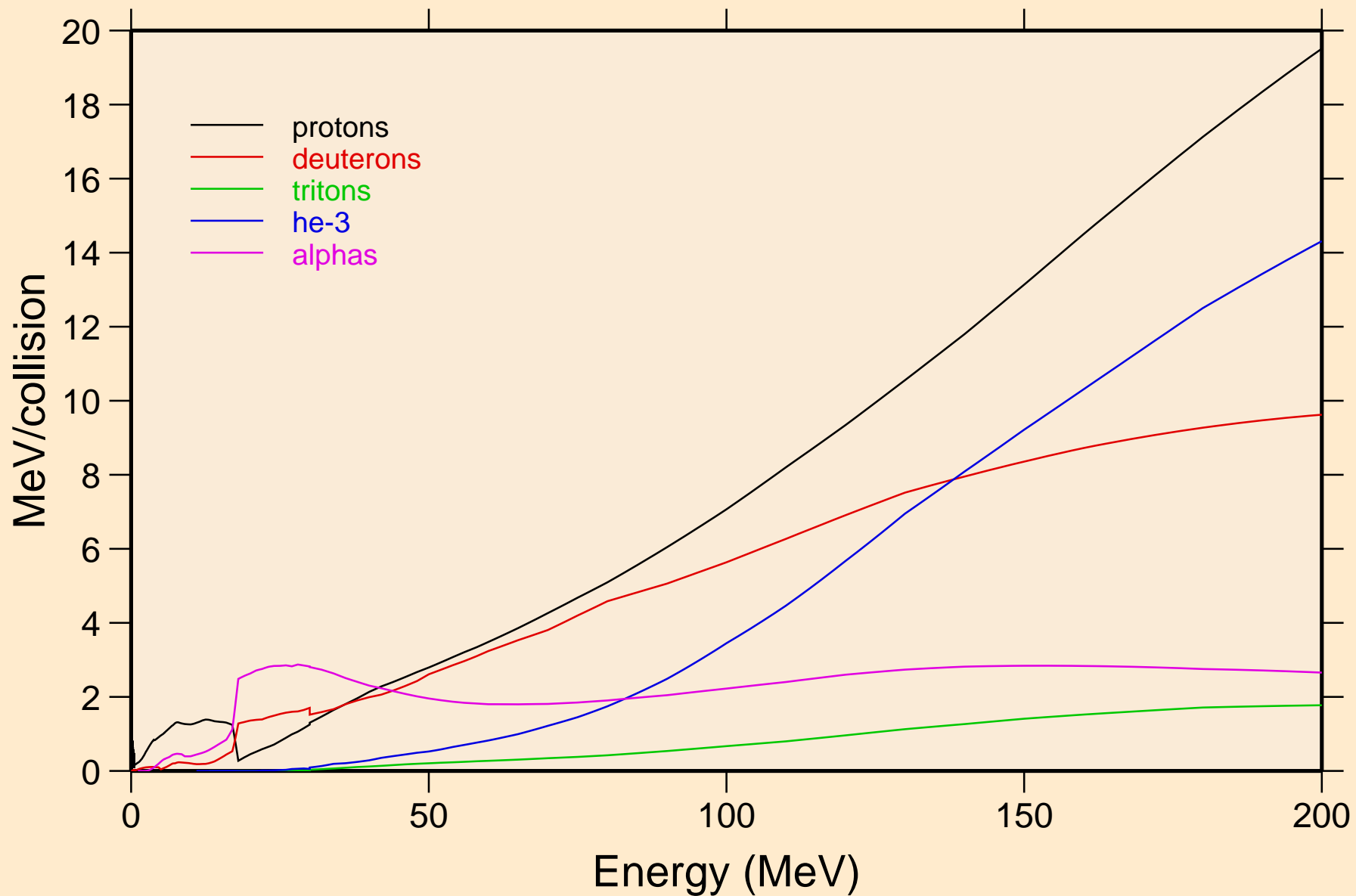
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thermal capture photon spectrum



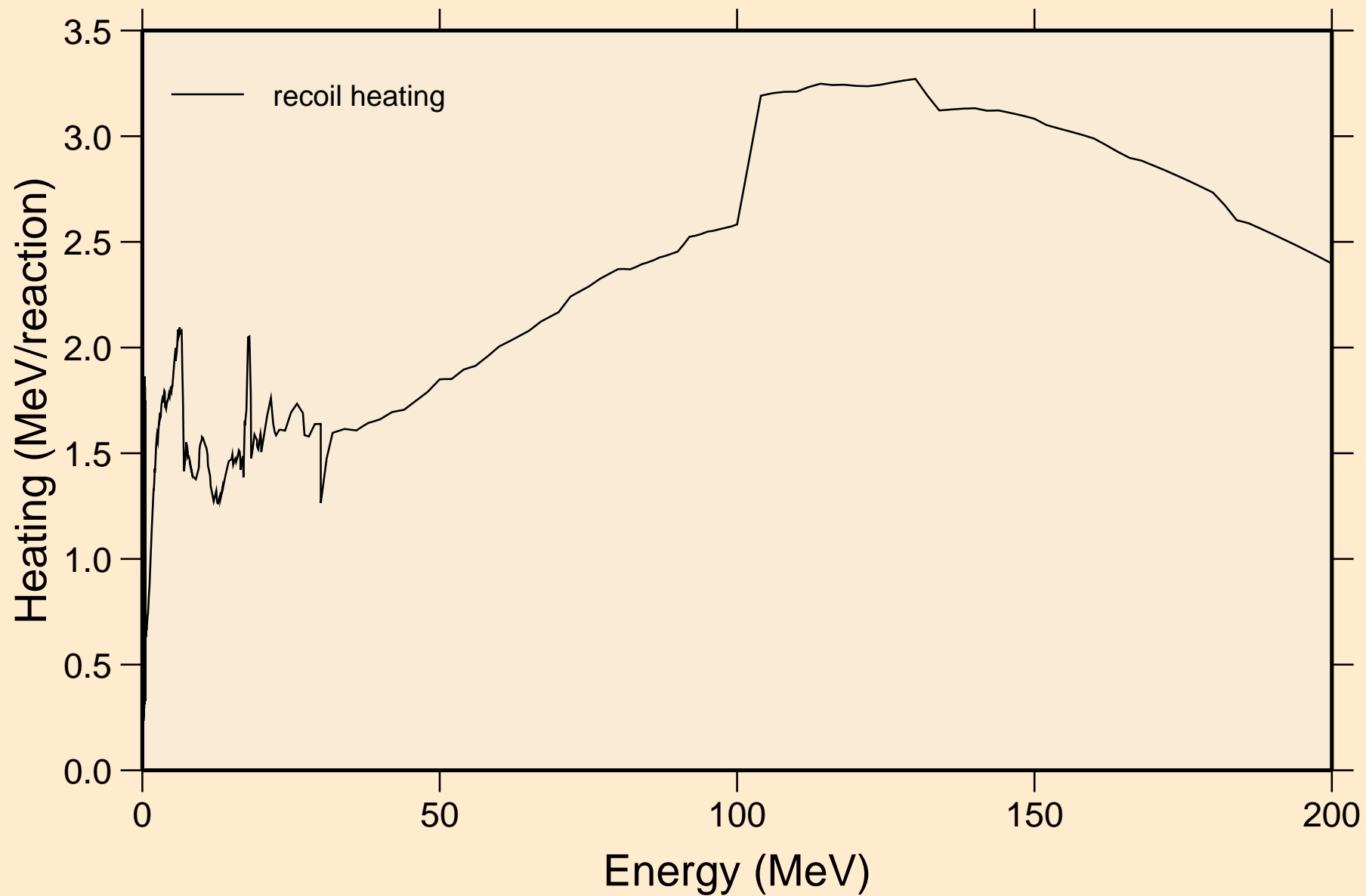
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14 MeV photon spectrum



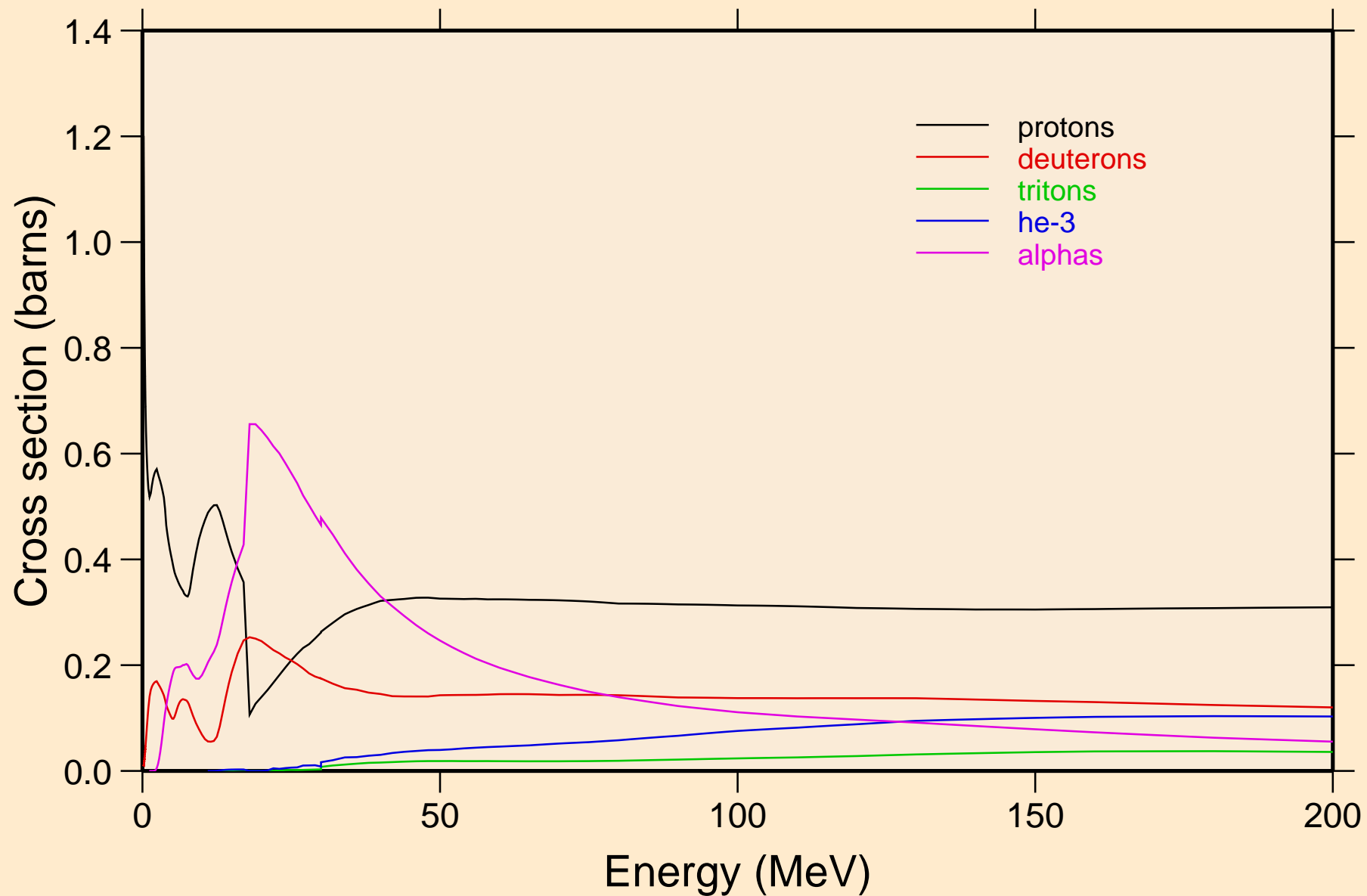
N013 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Particle heating contributions



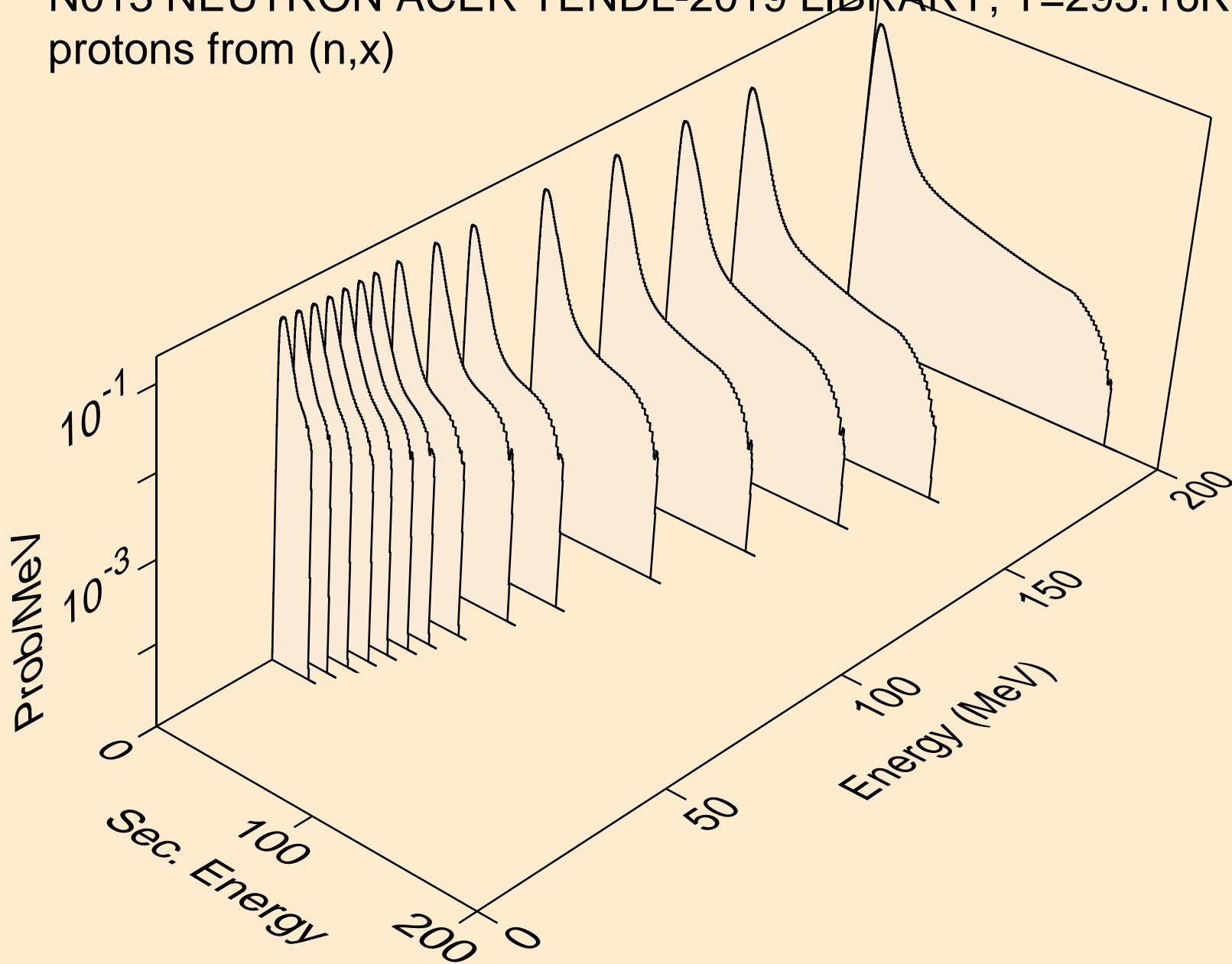
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Recoil Heating



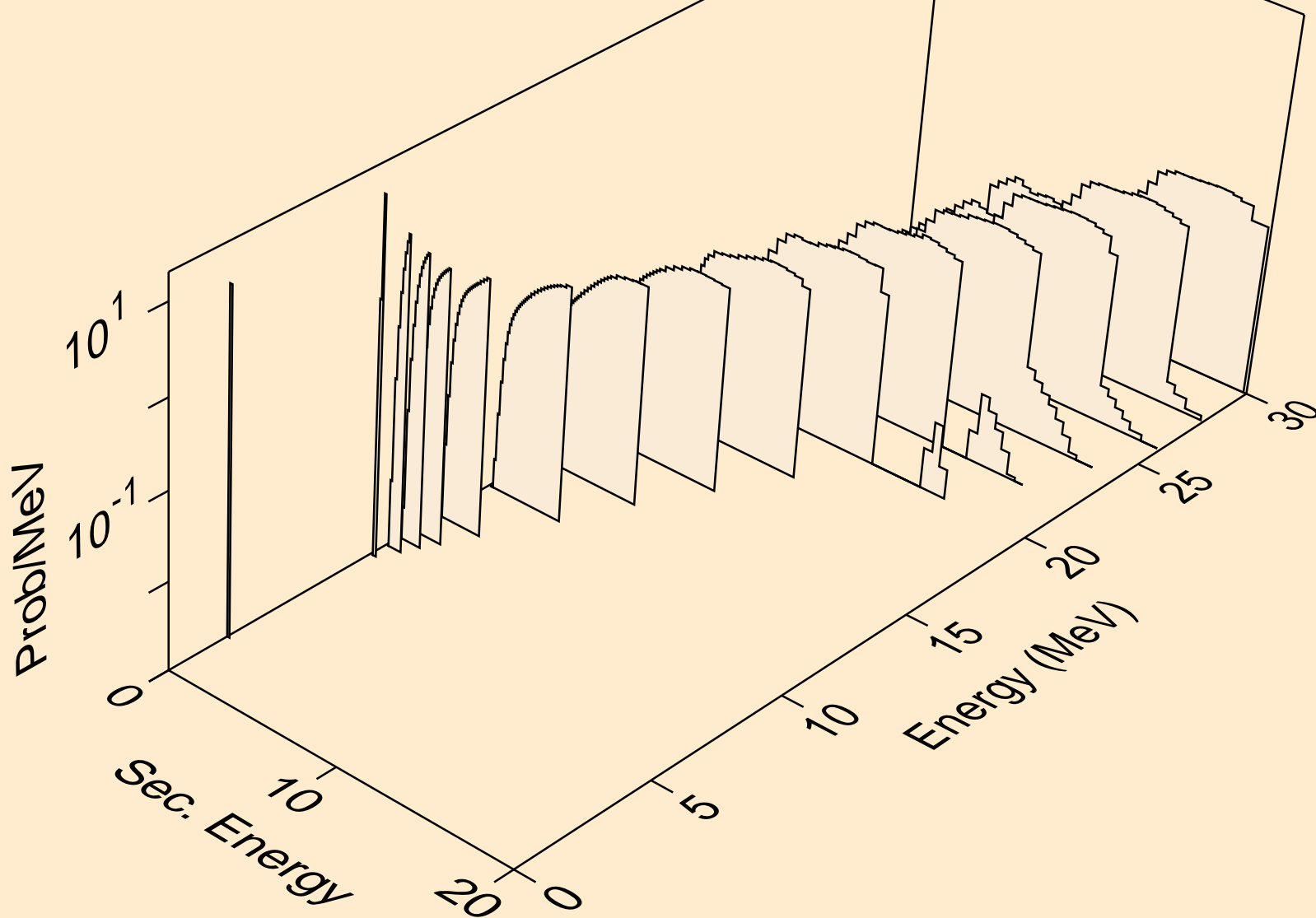
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Particle production cross sections



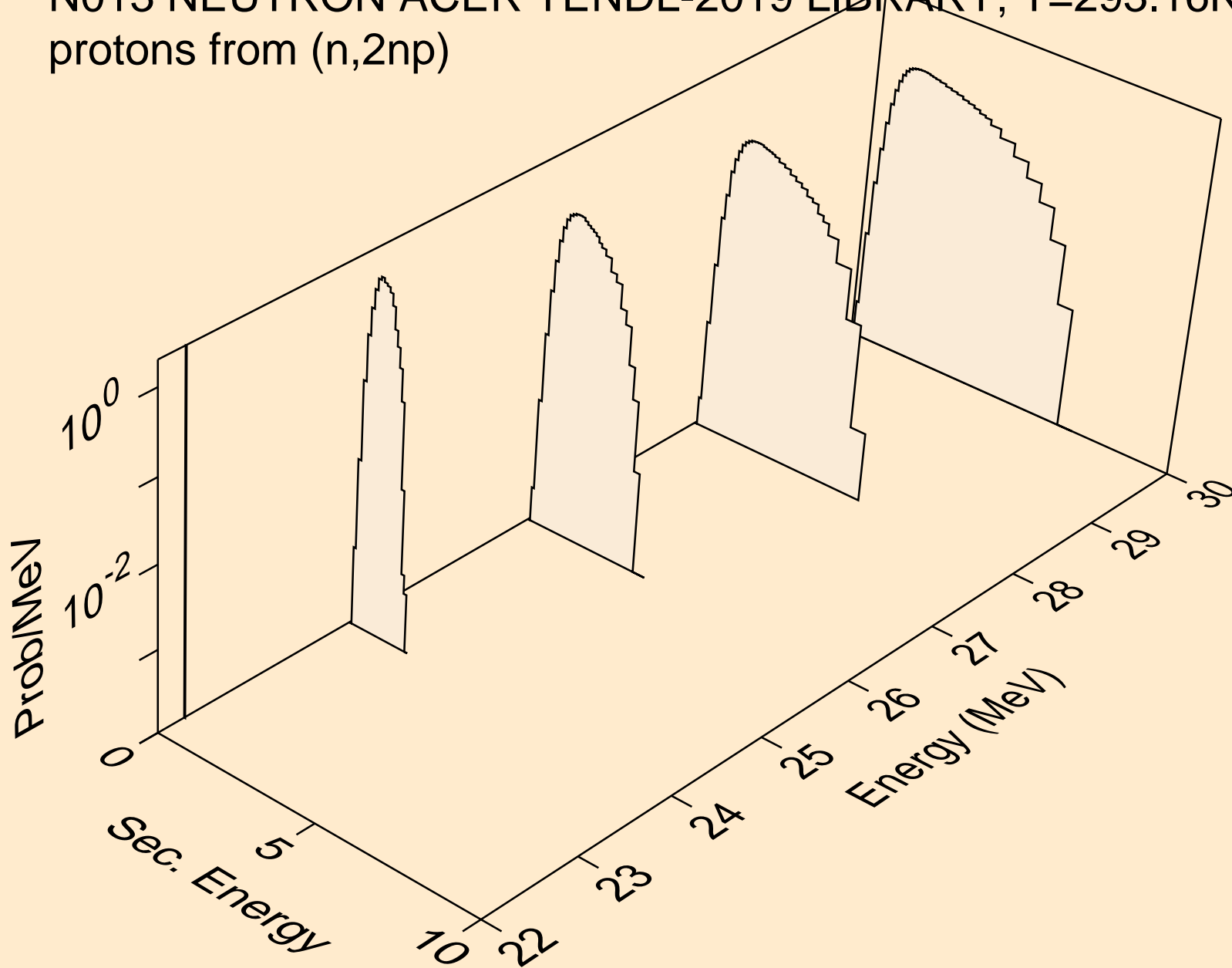
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protons from (n,x)



N013 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,n\*)p

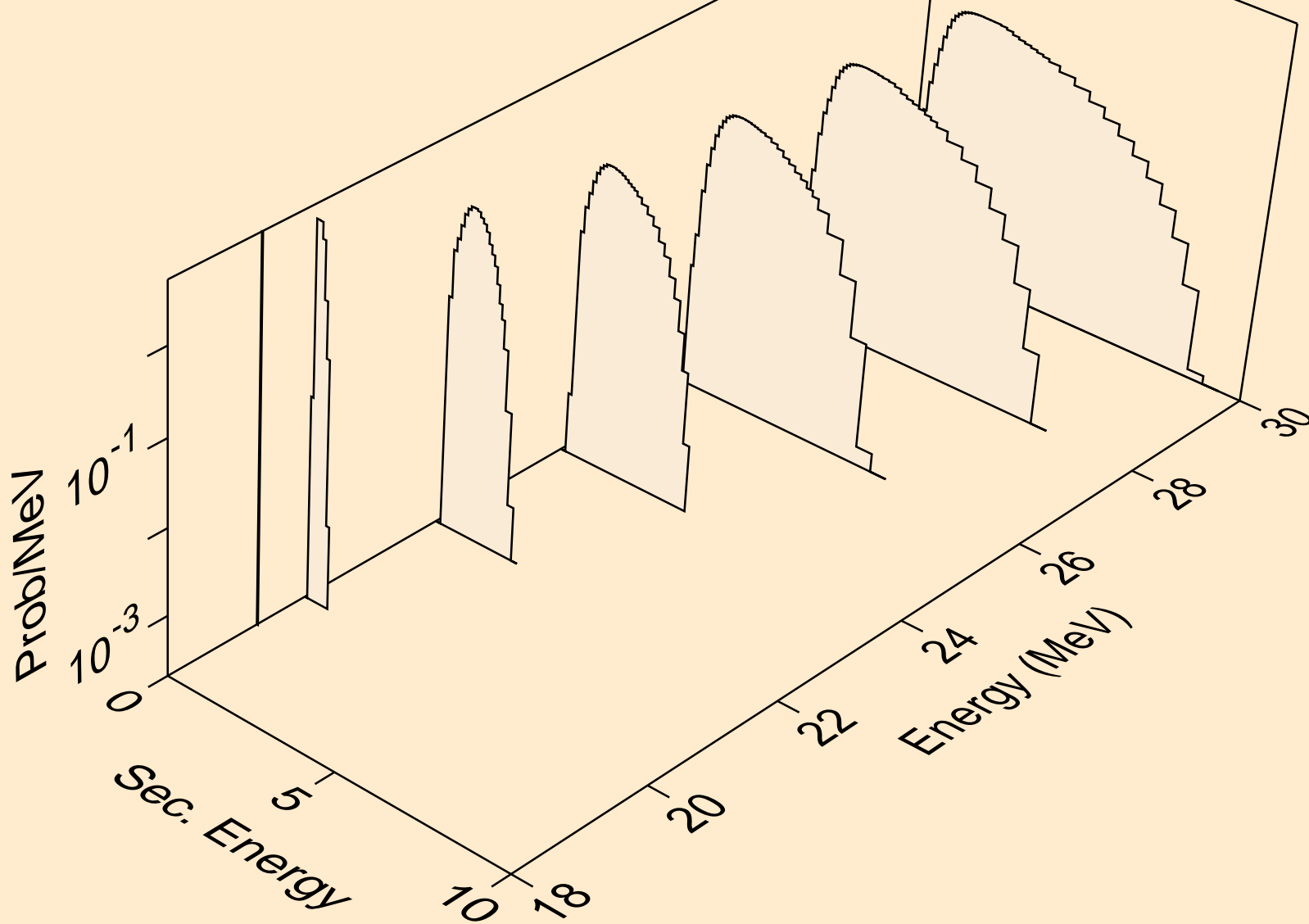


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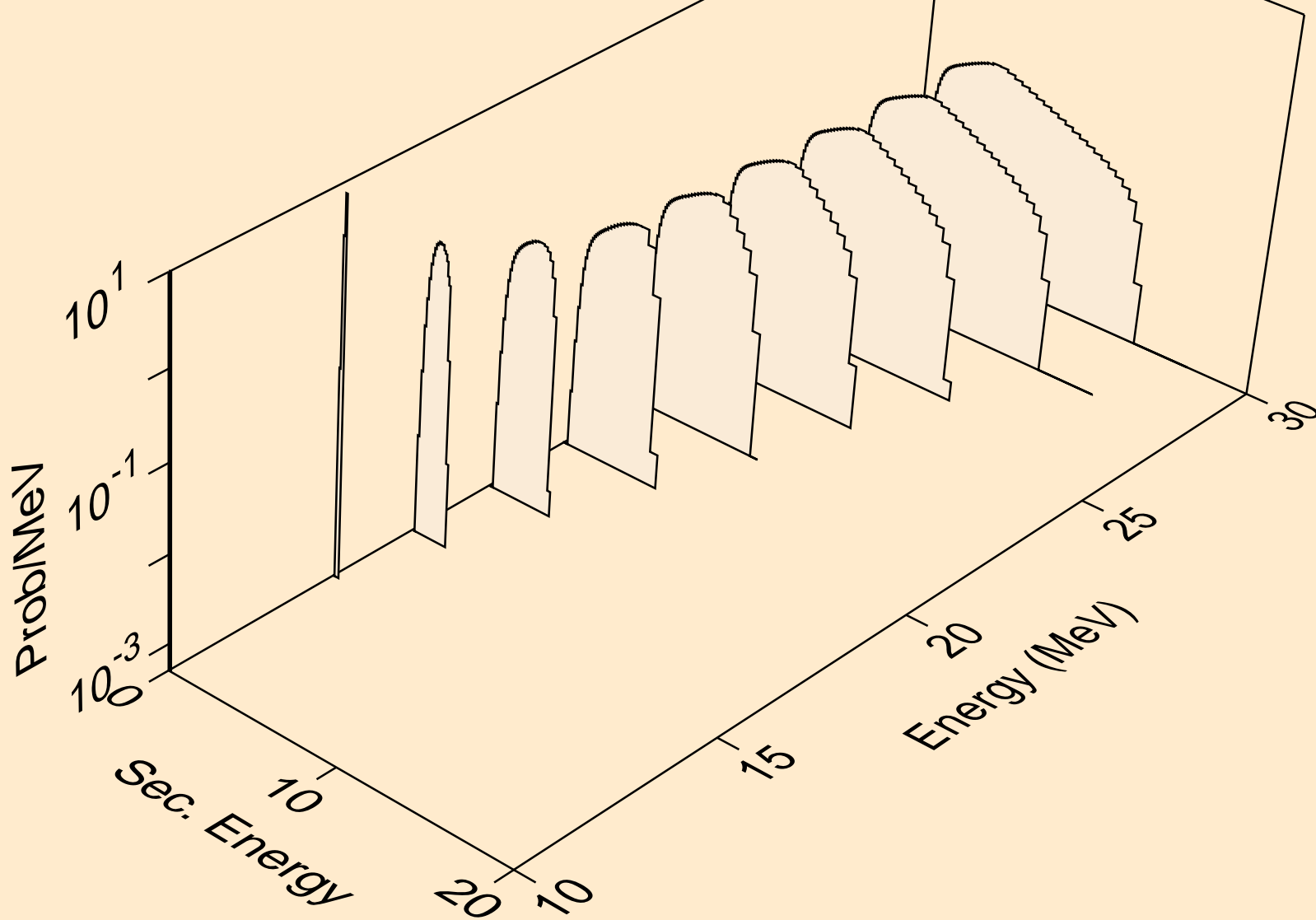




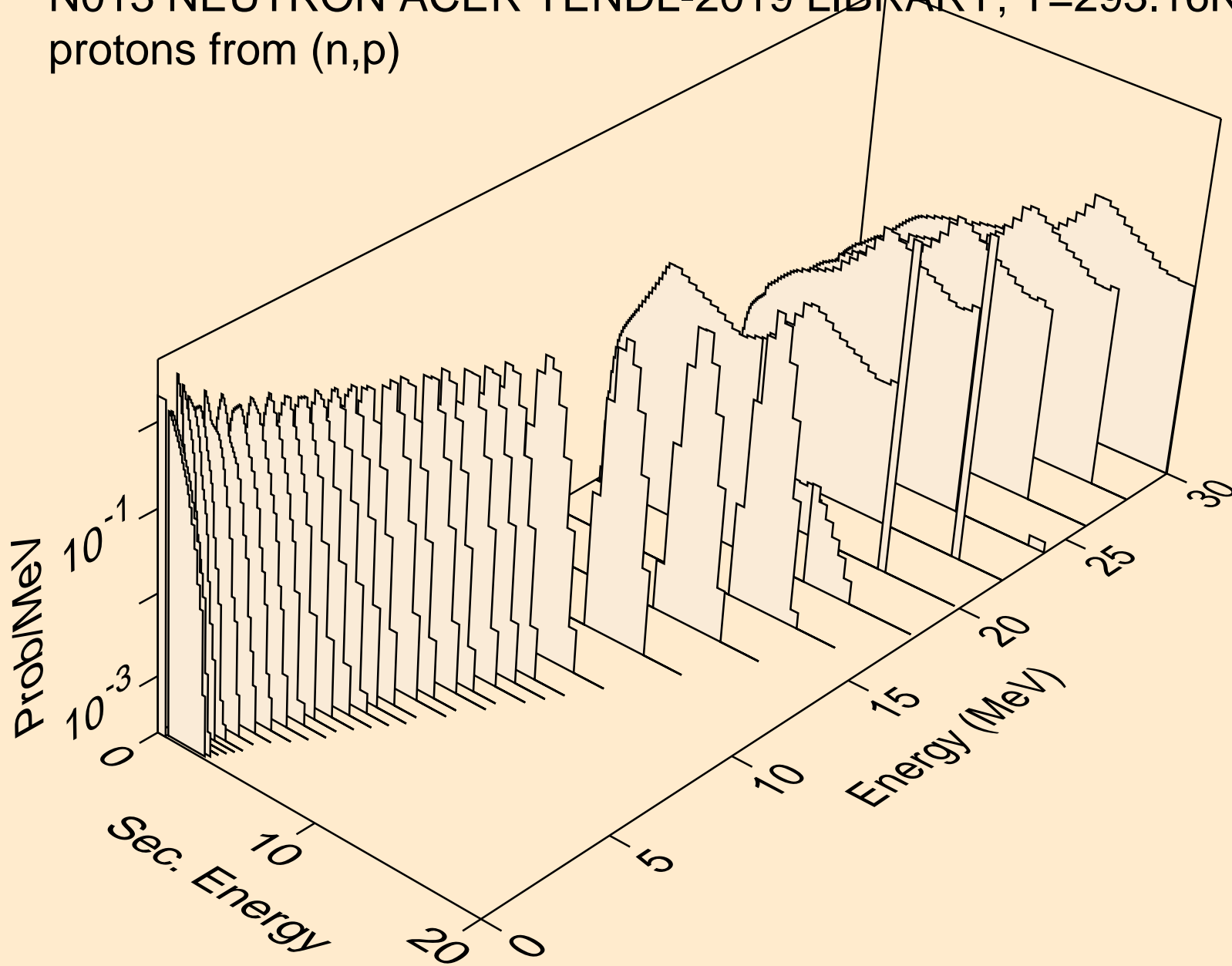
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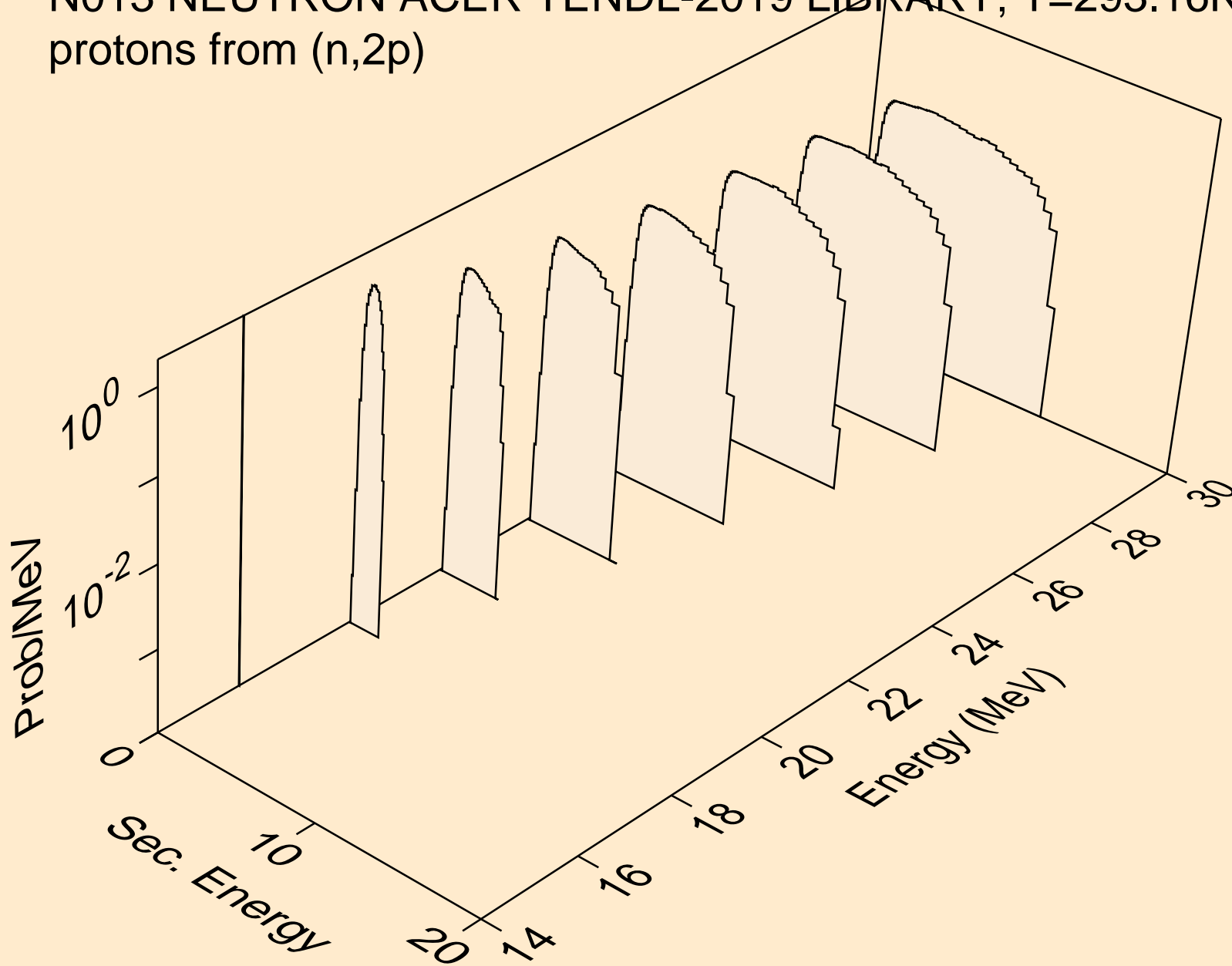
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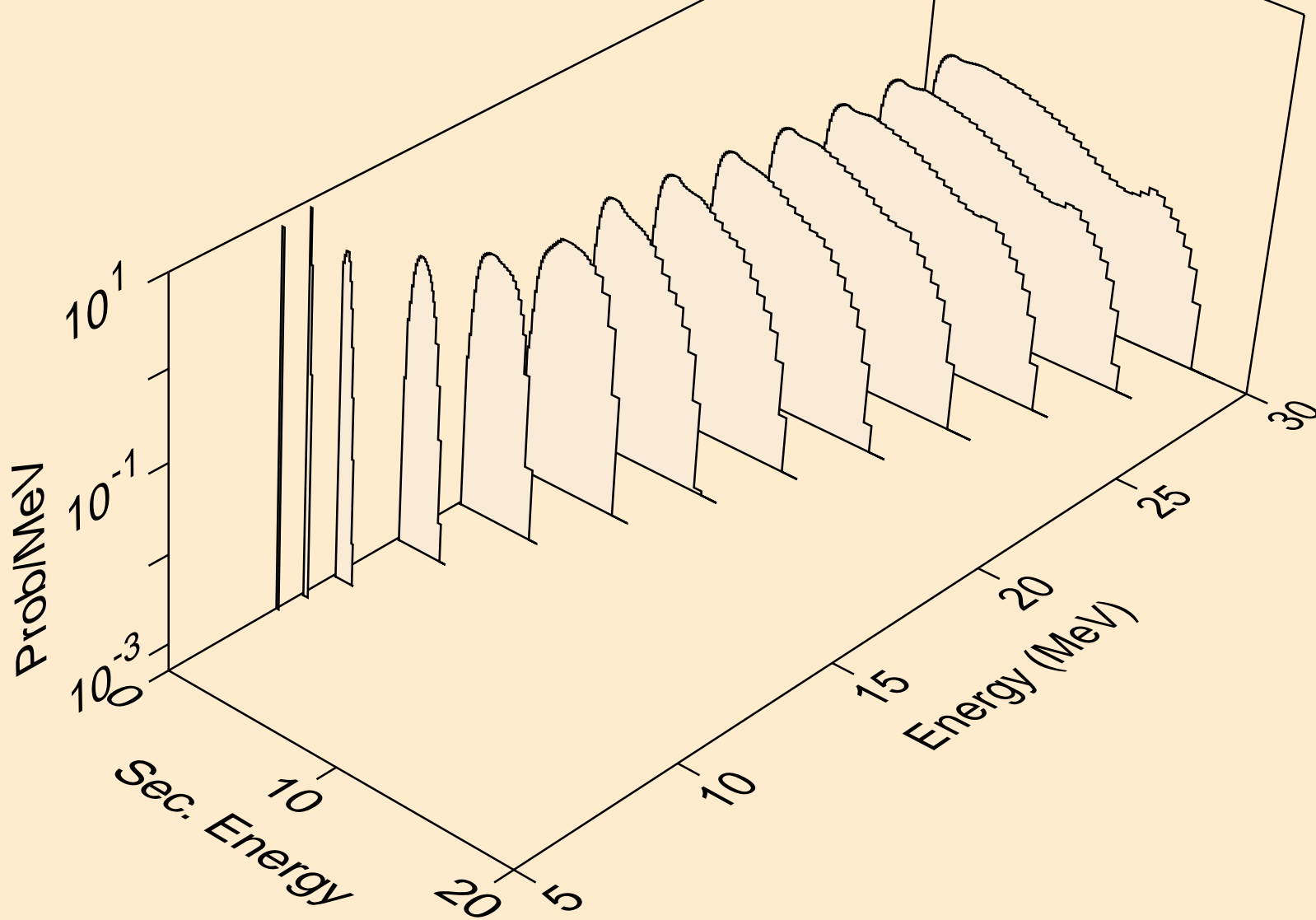
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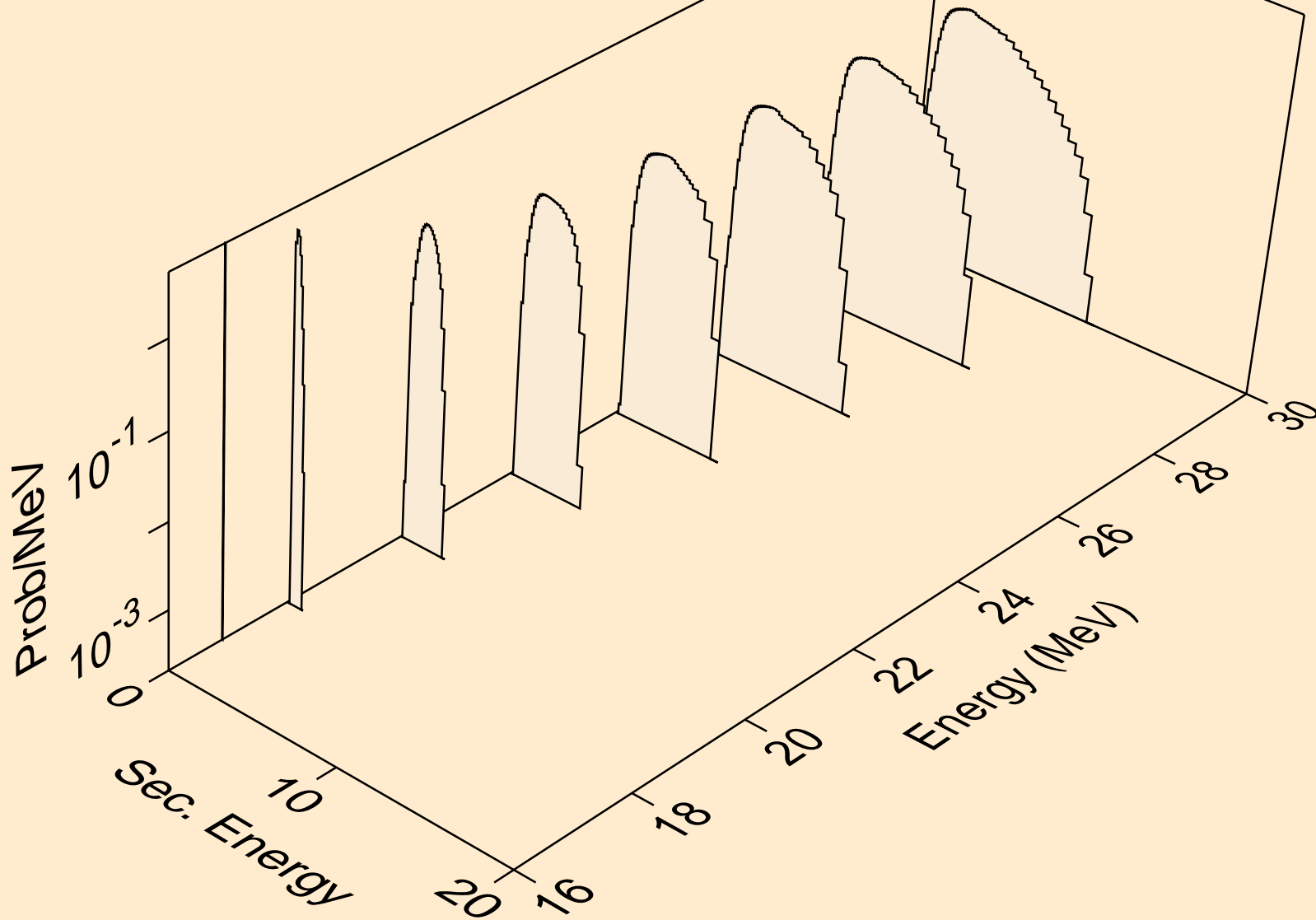
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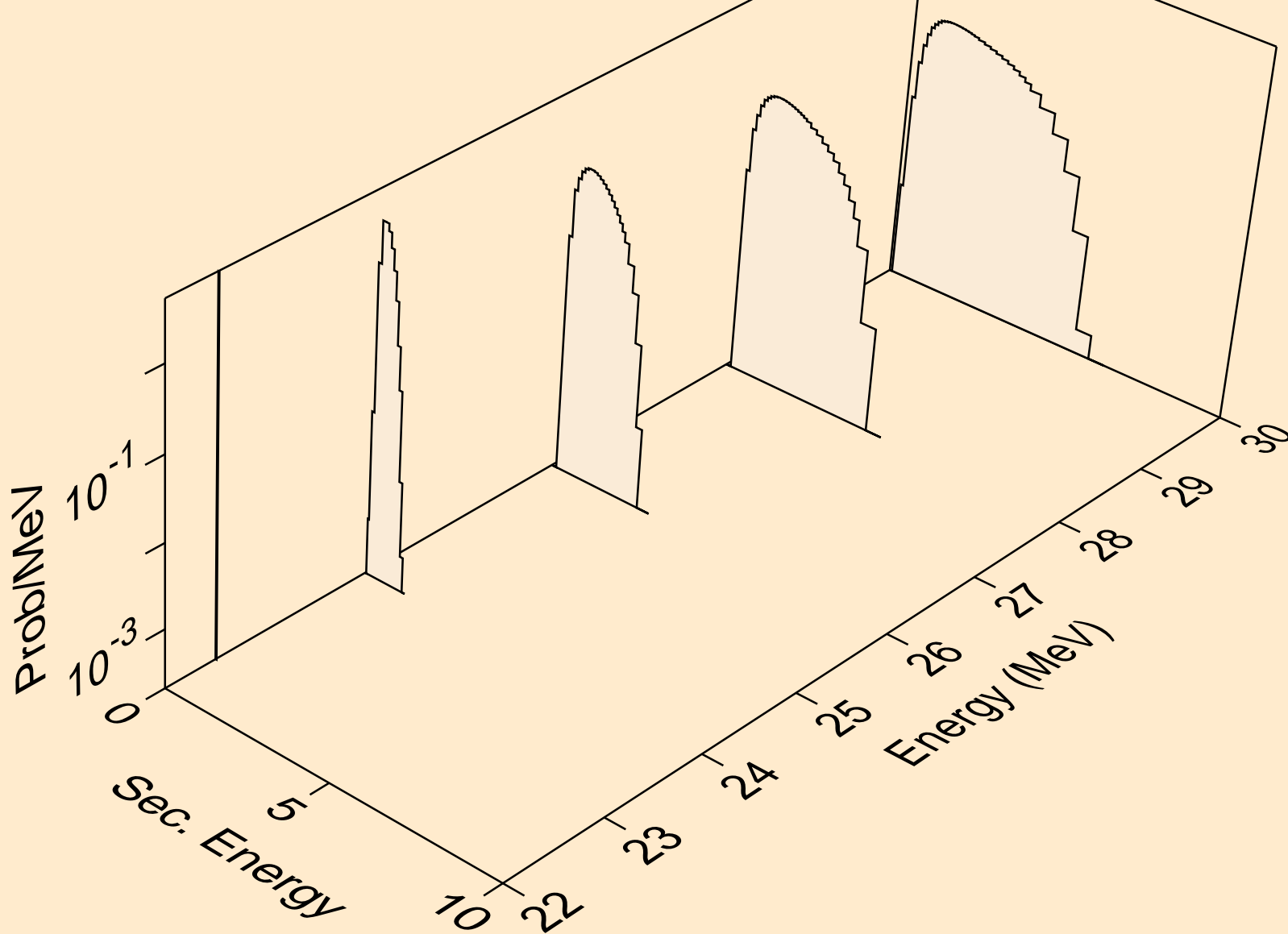
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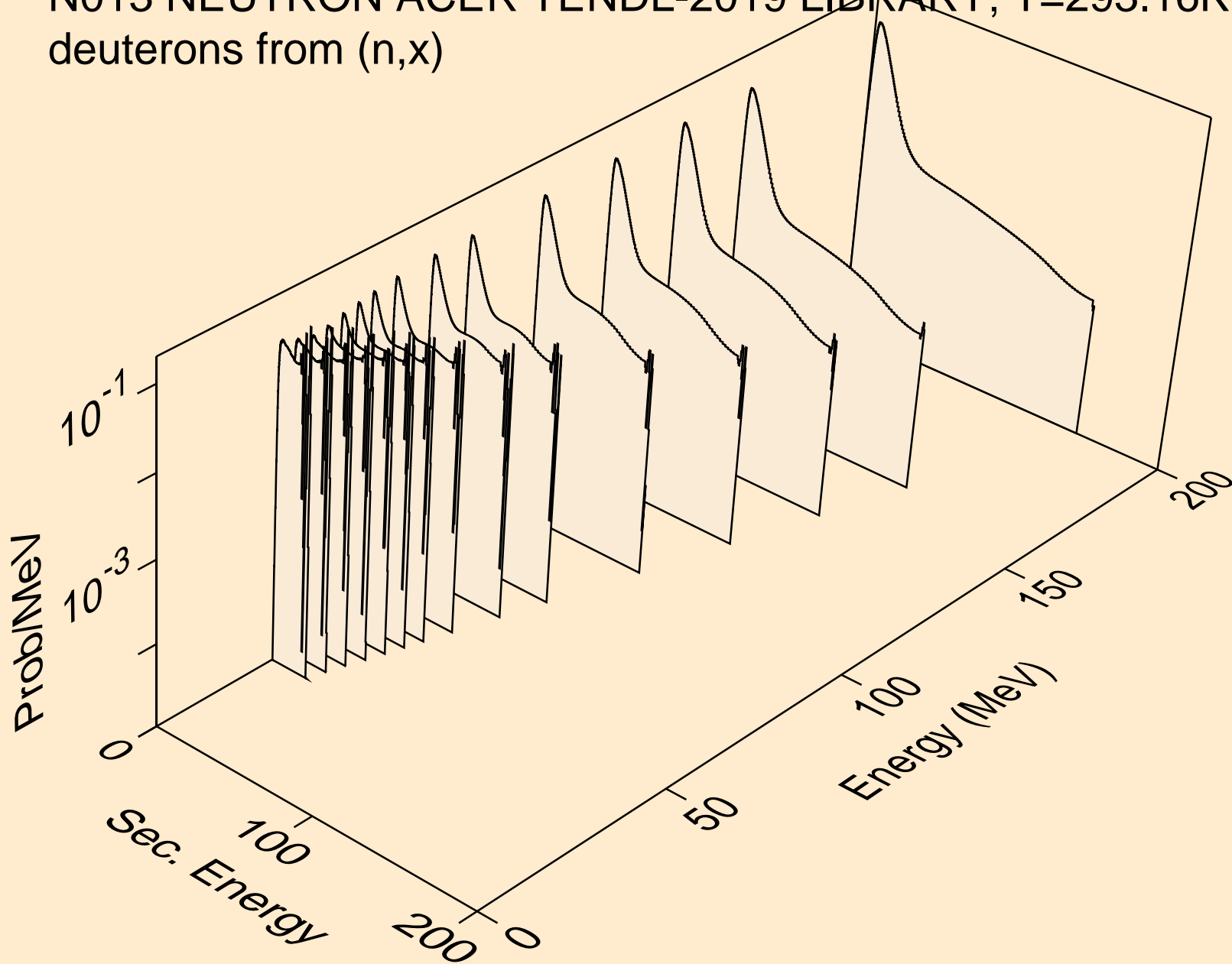
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protons from (n,pd)



N013 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,pt)

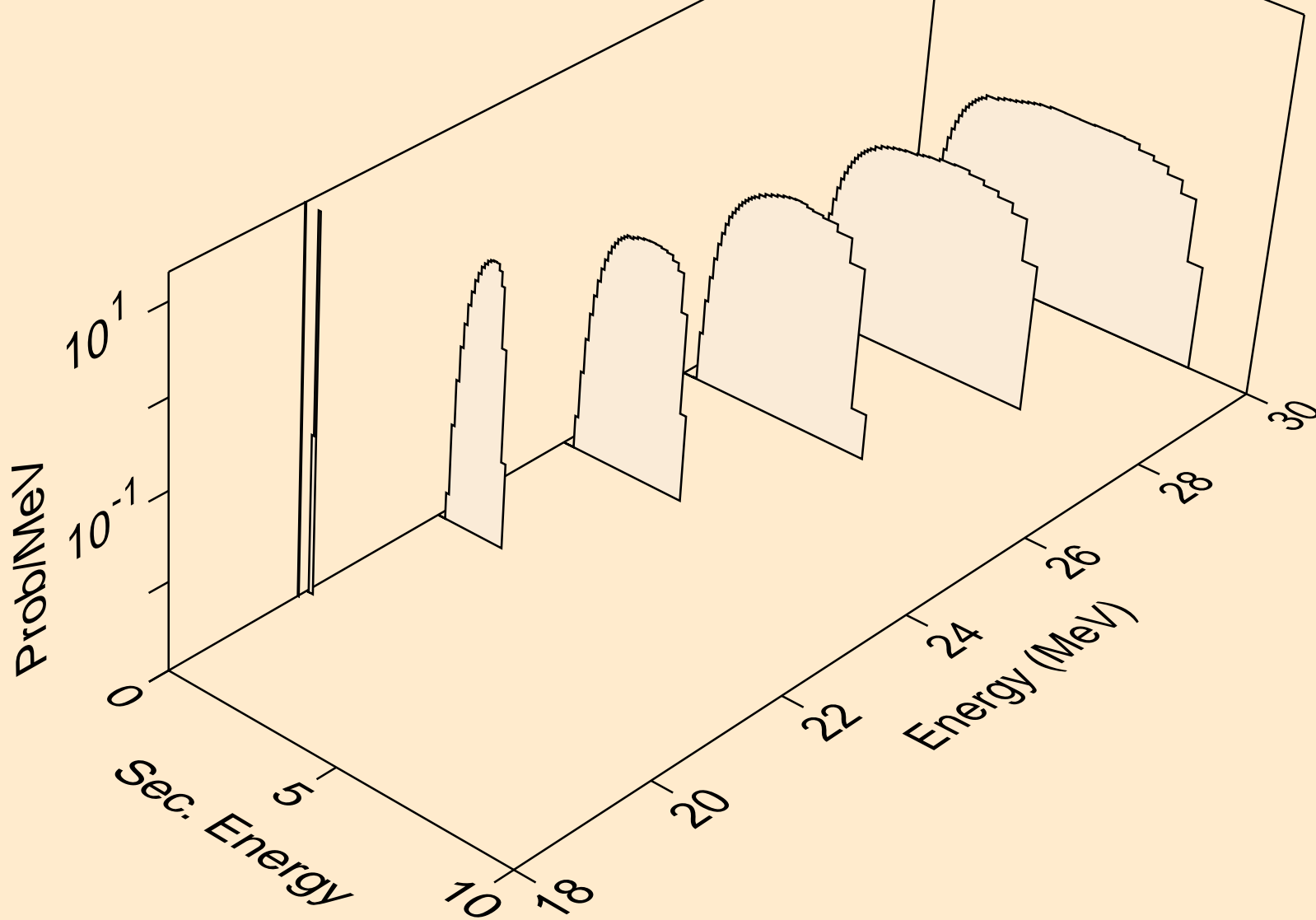


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deuterons from (n,x)

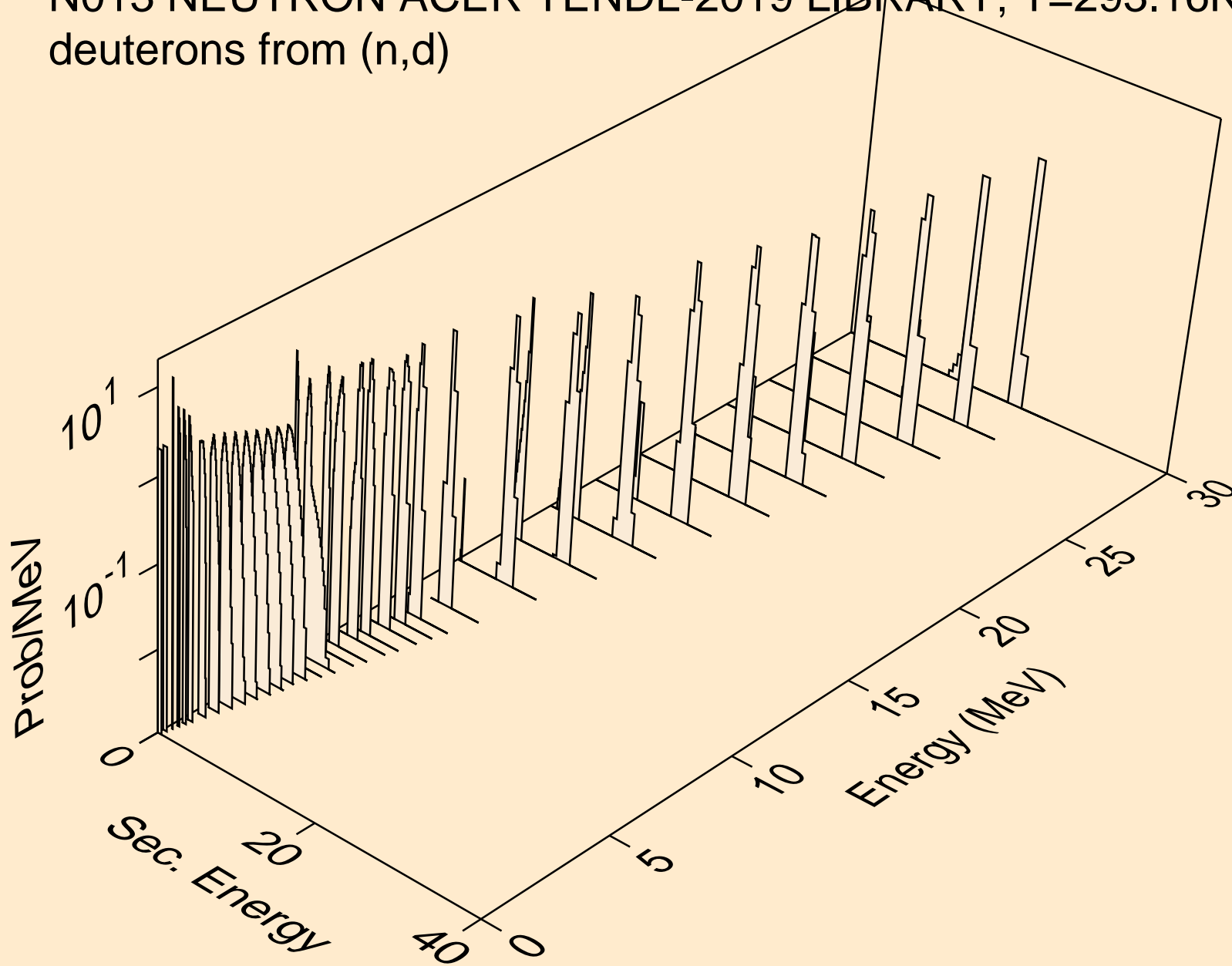




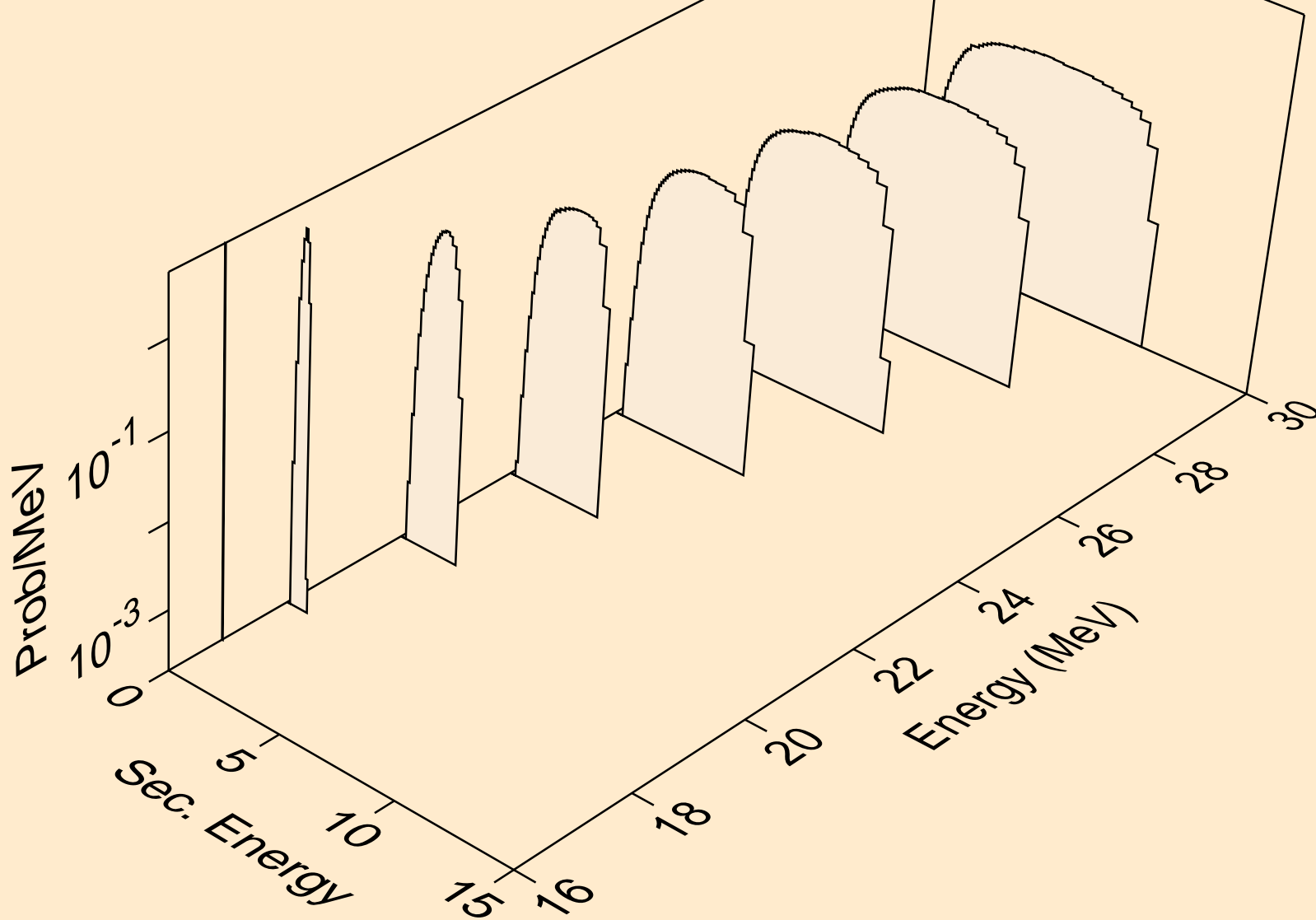
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deuterons from (n,n\*)d



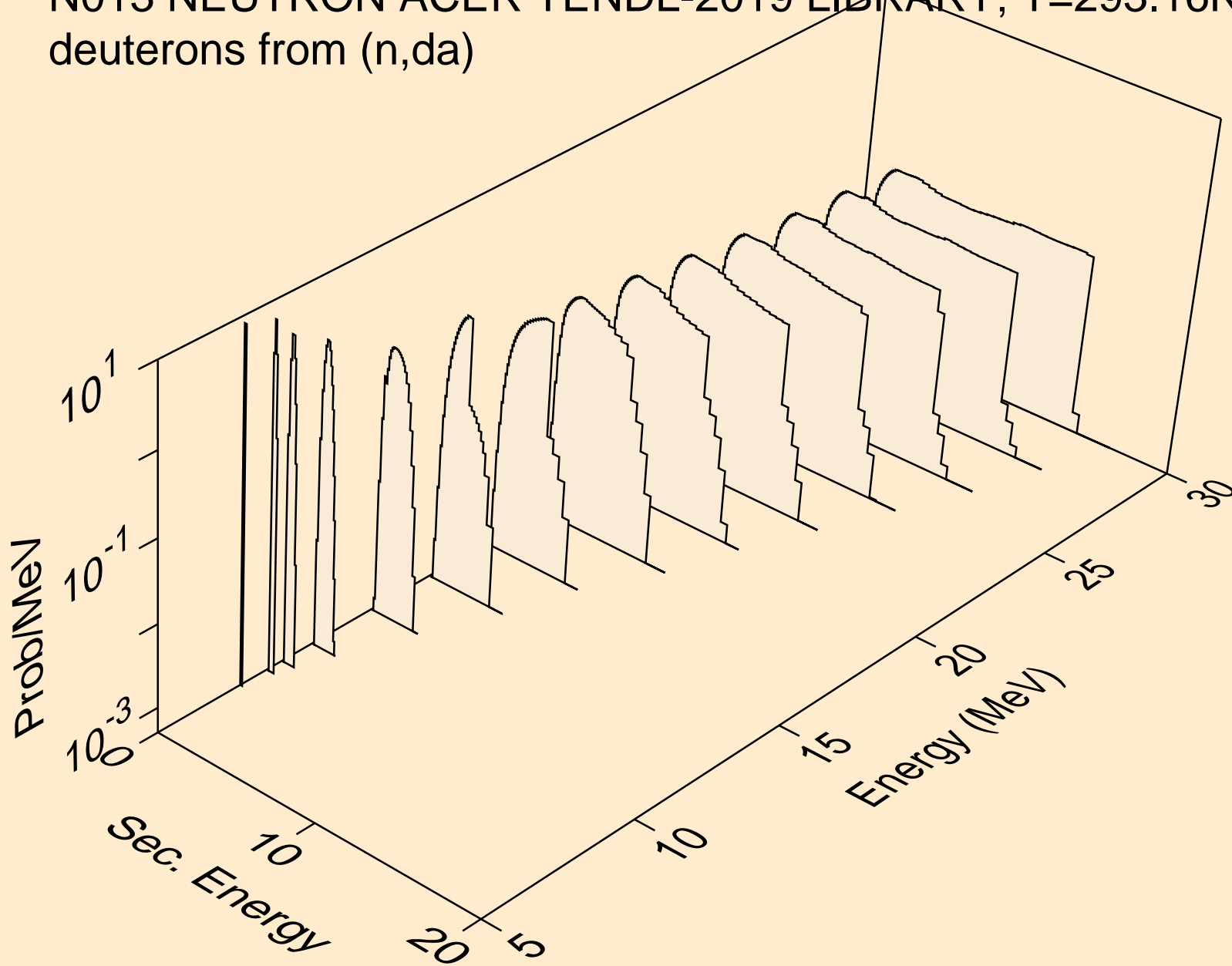
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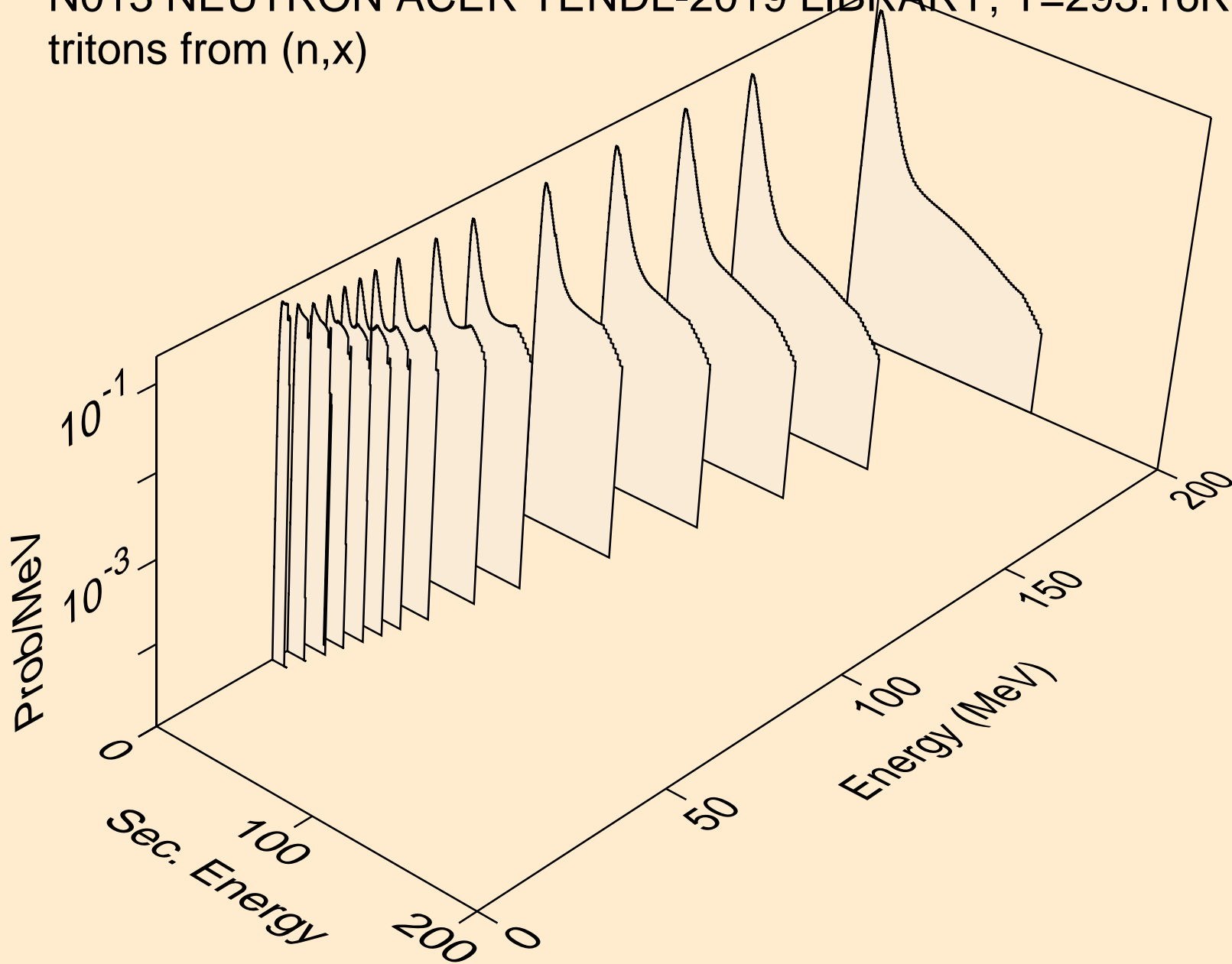
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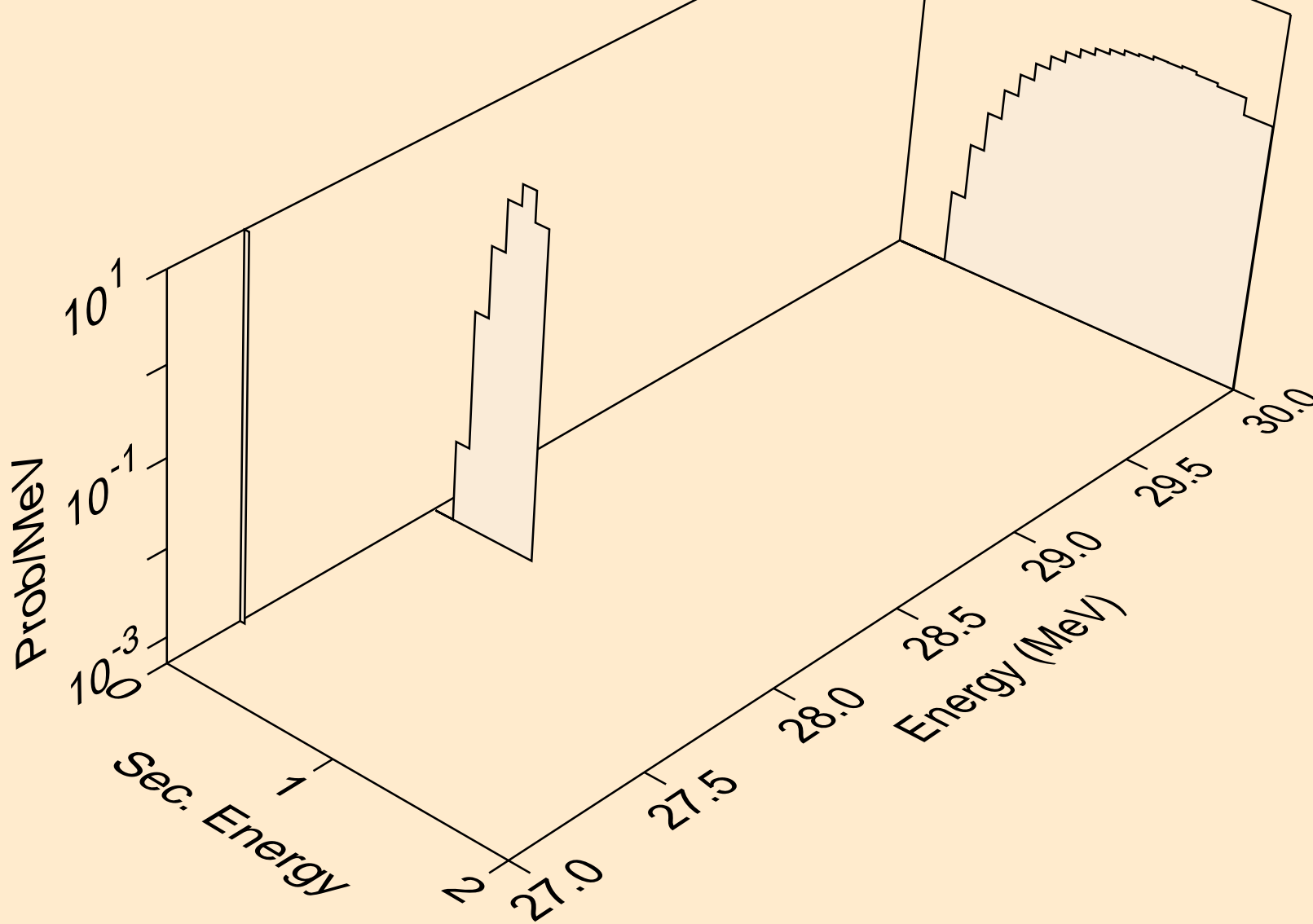
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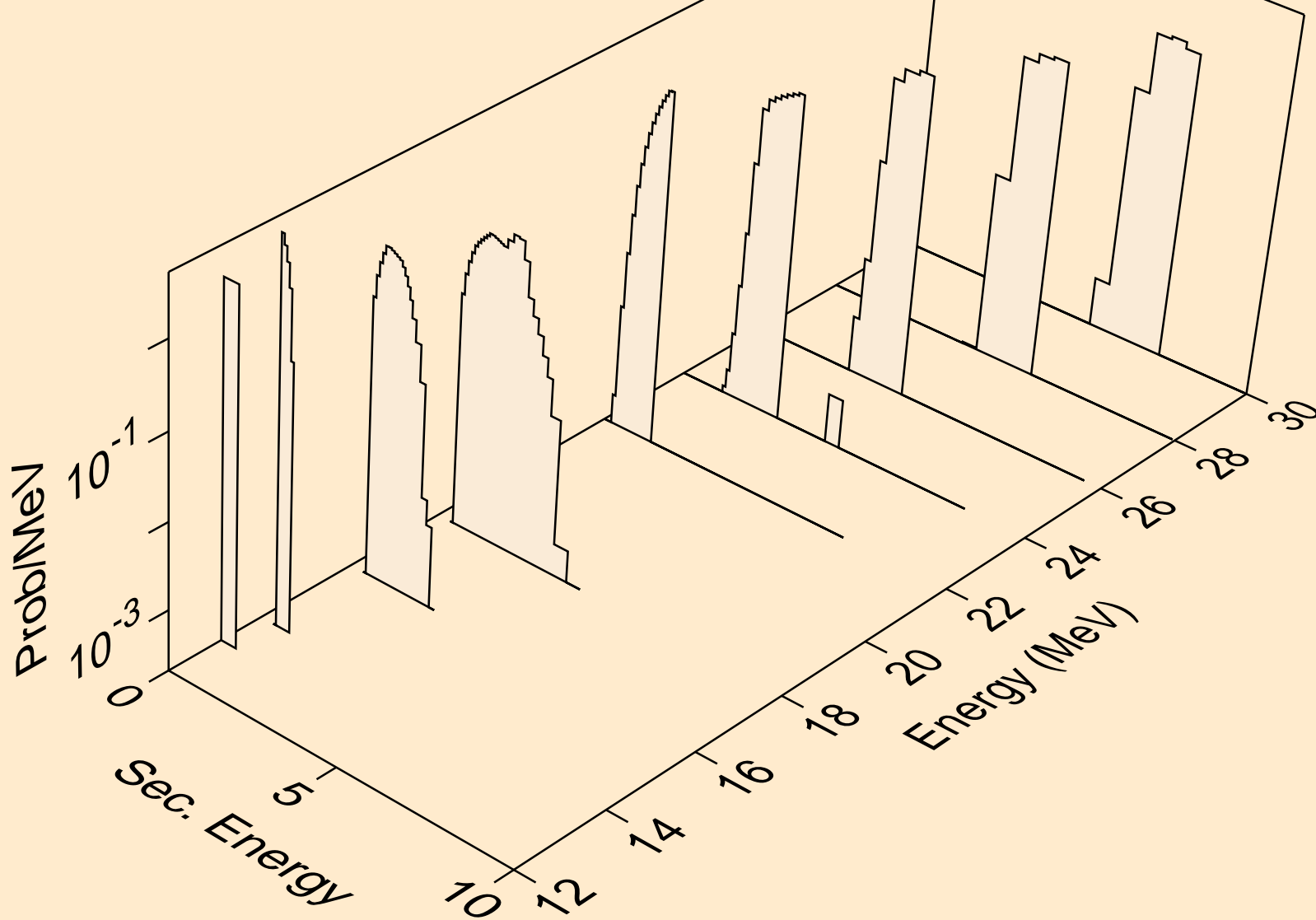
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tritons from (n,x)



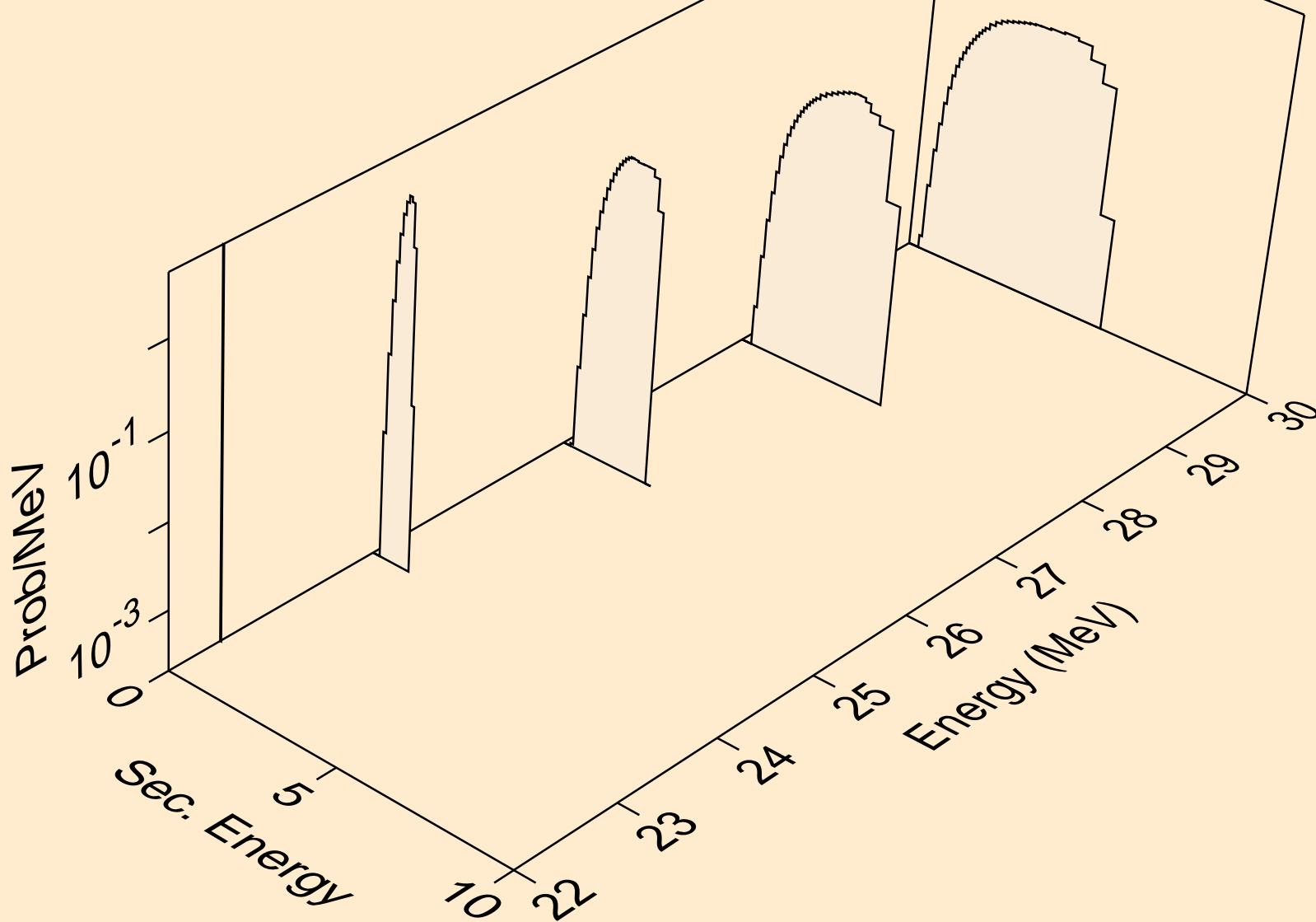
N013 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,n\*)t



N013 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,t)

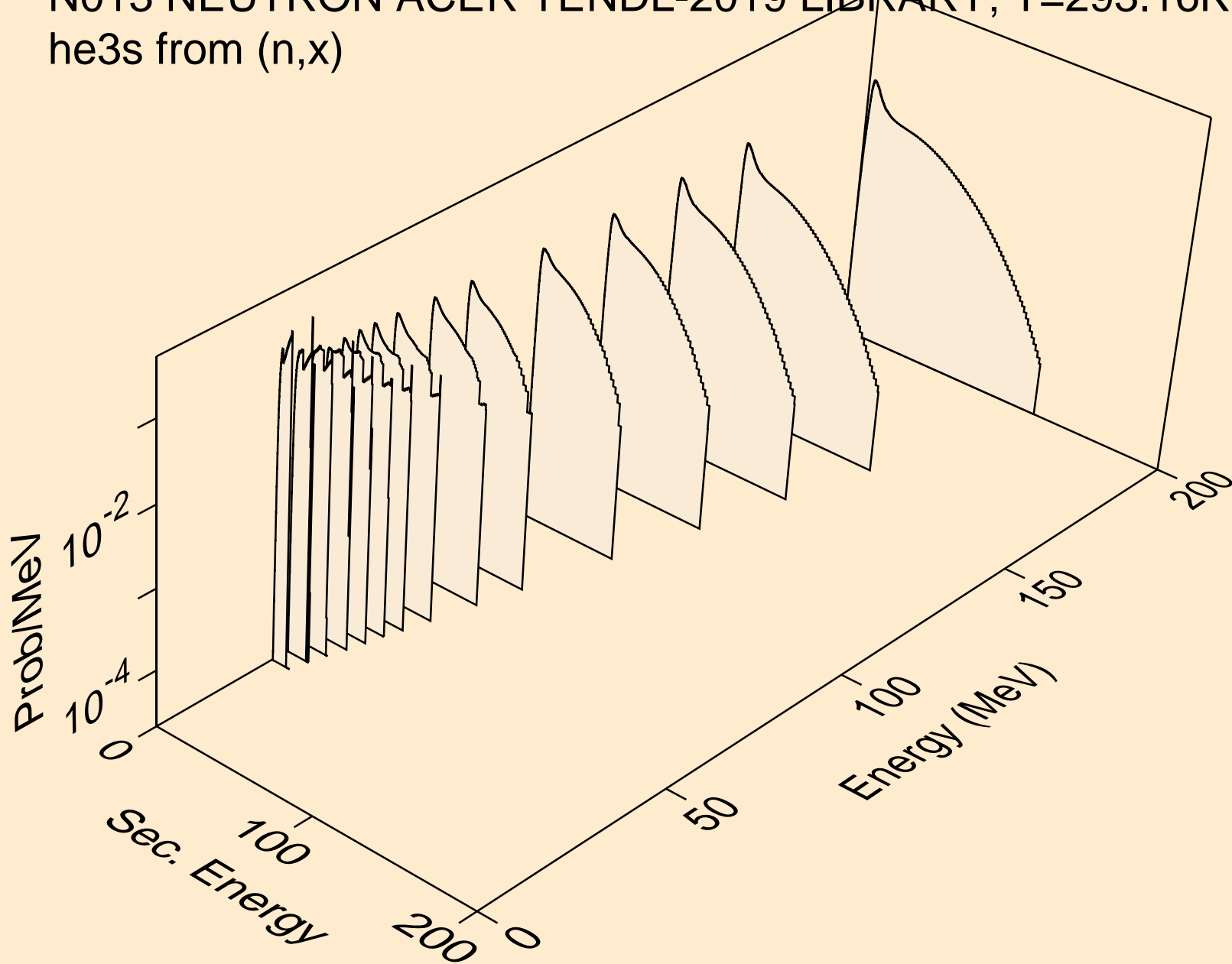


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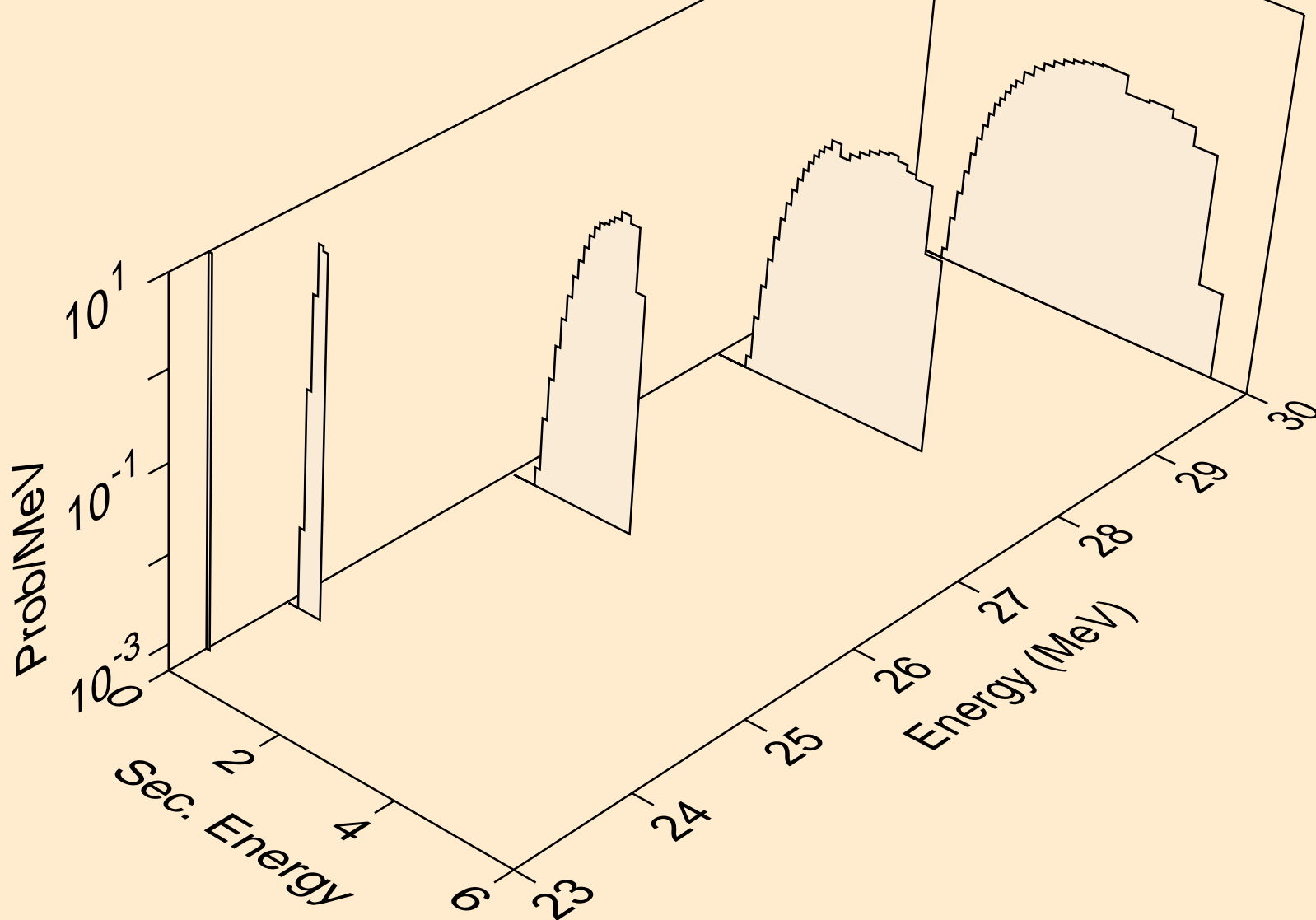




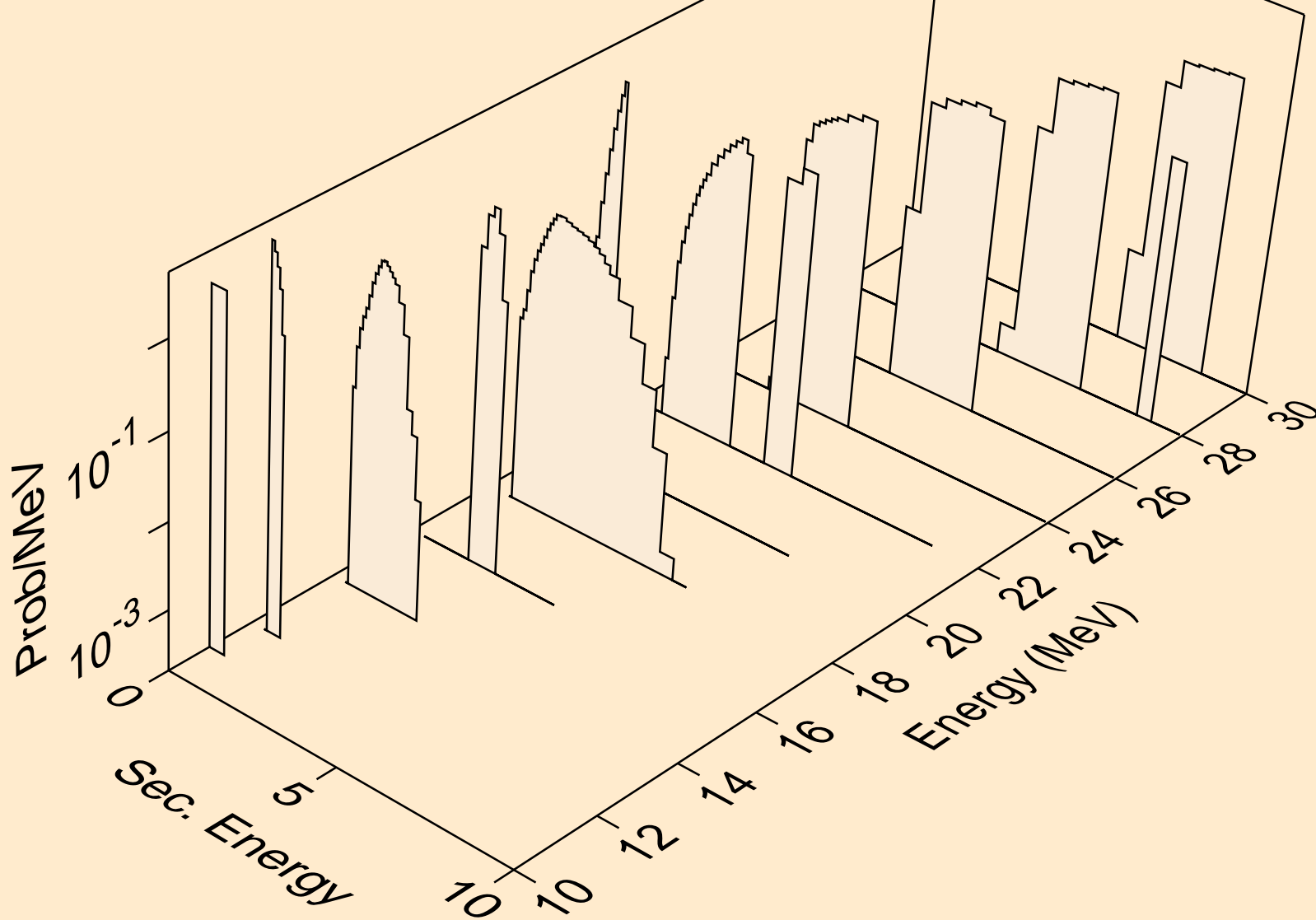
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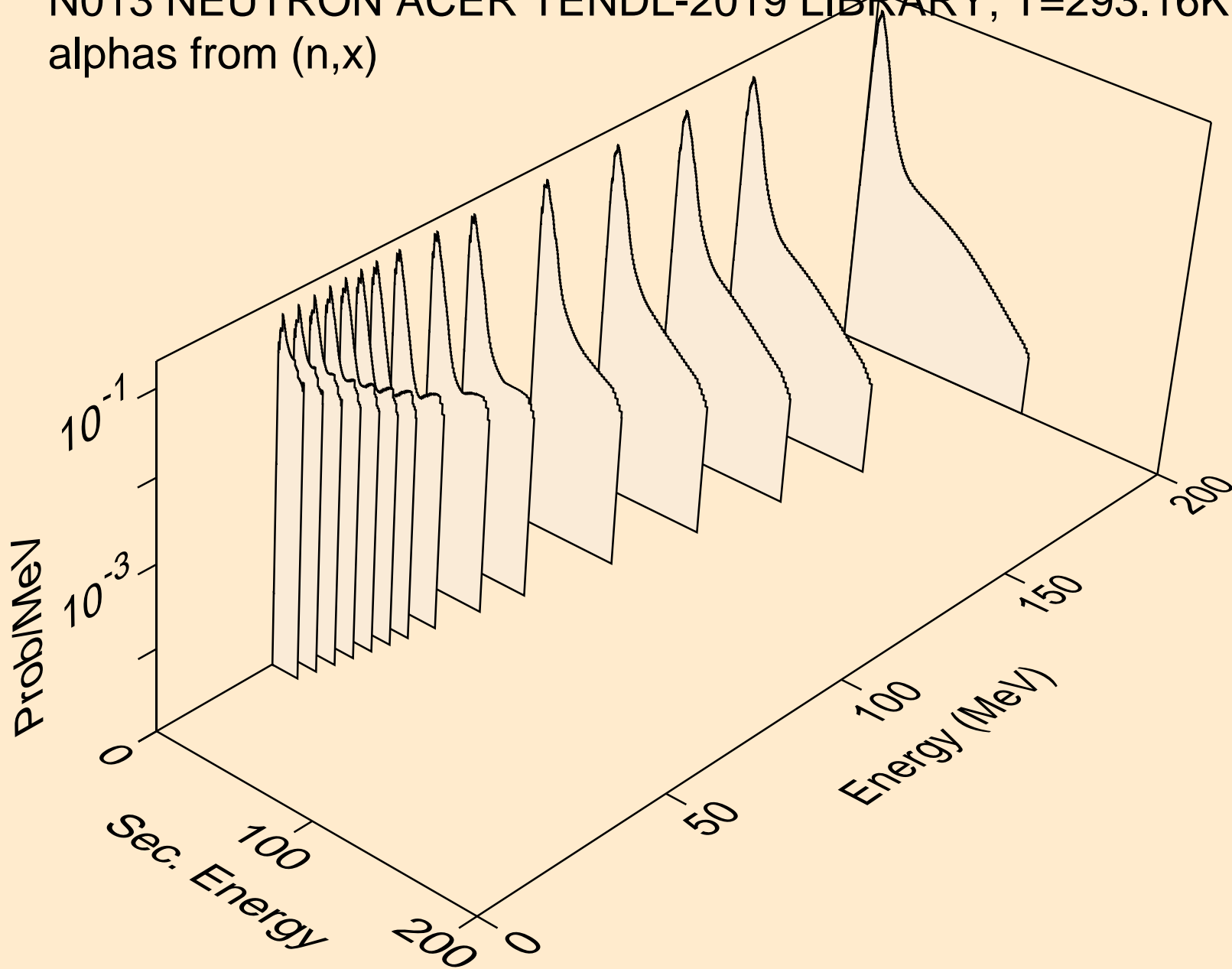
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he3s from (n,n\*)he3



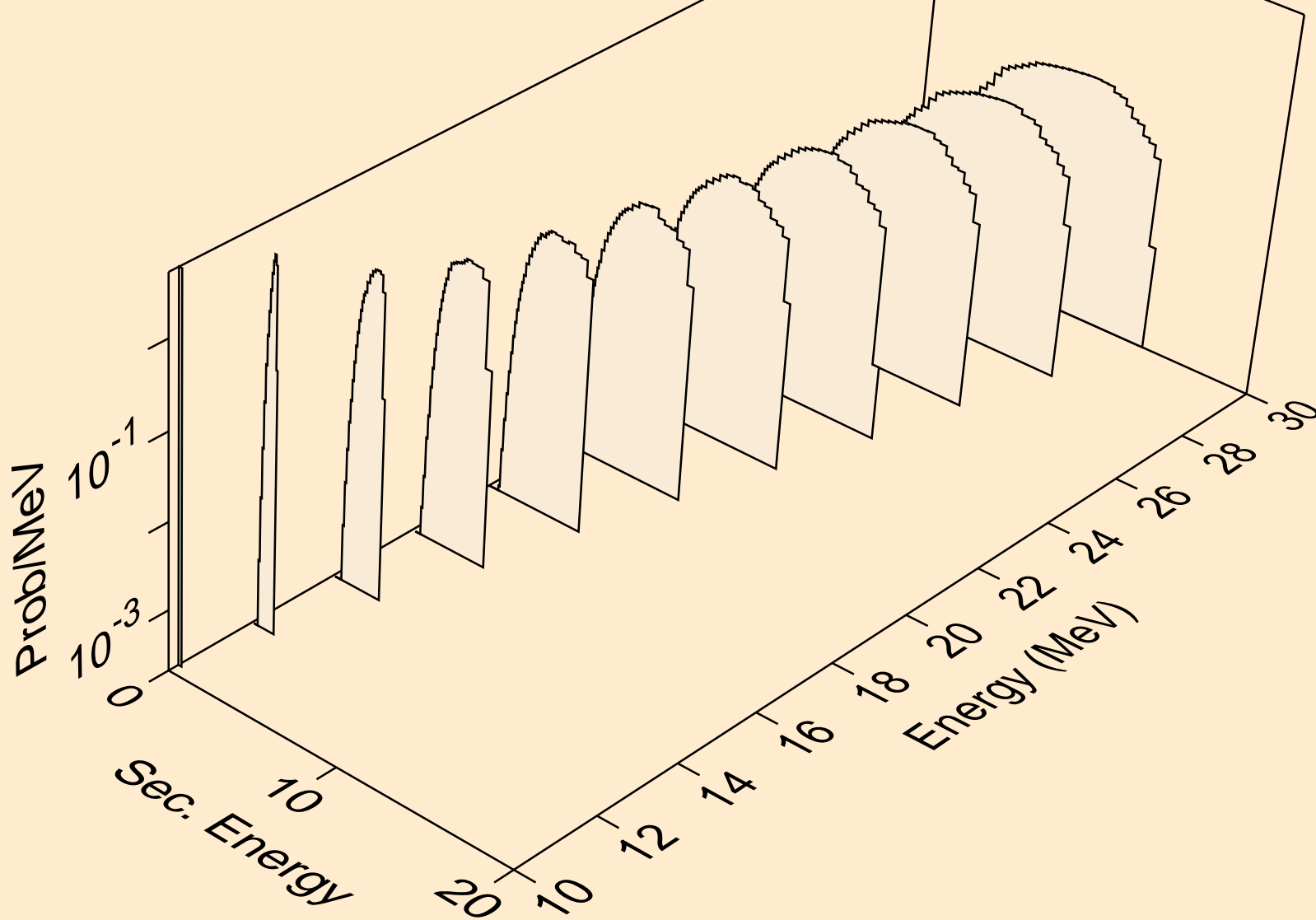
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he3s from (n,he3)



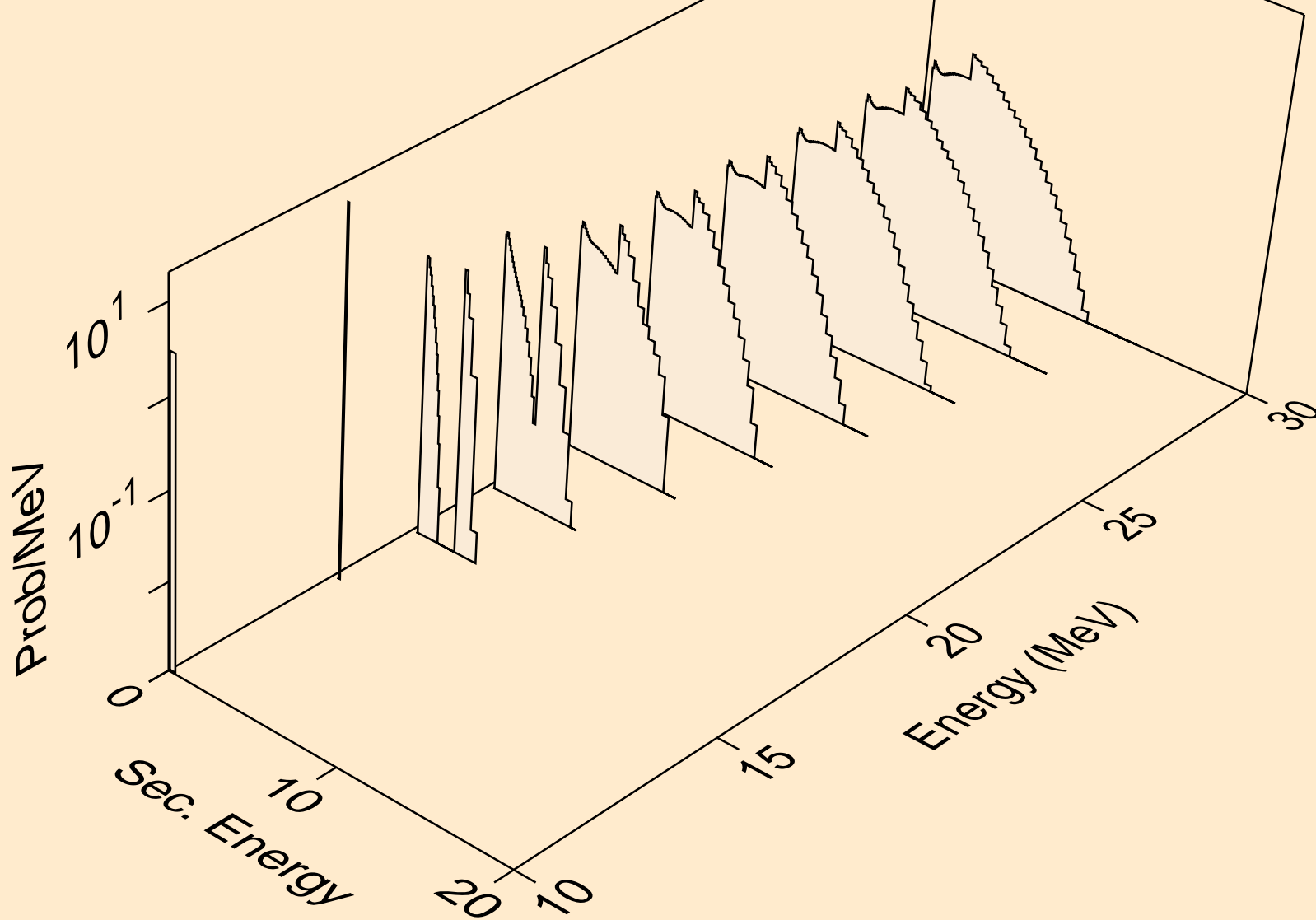
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alphas from (n,x)



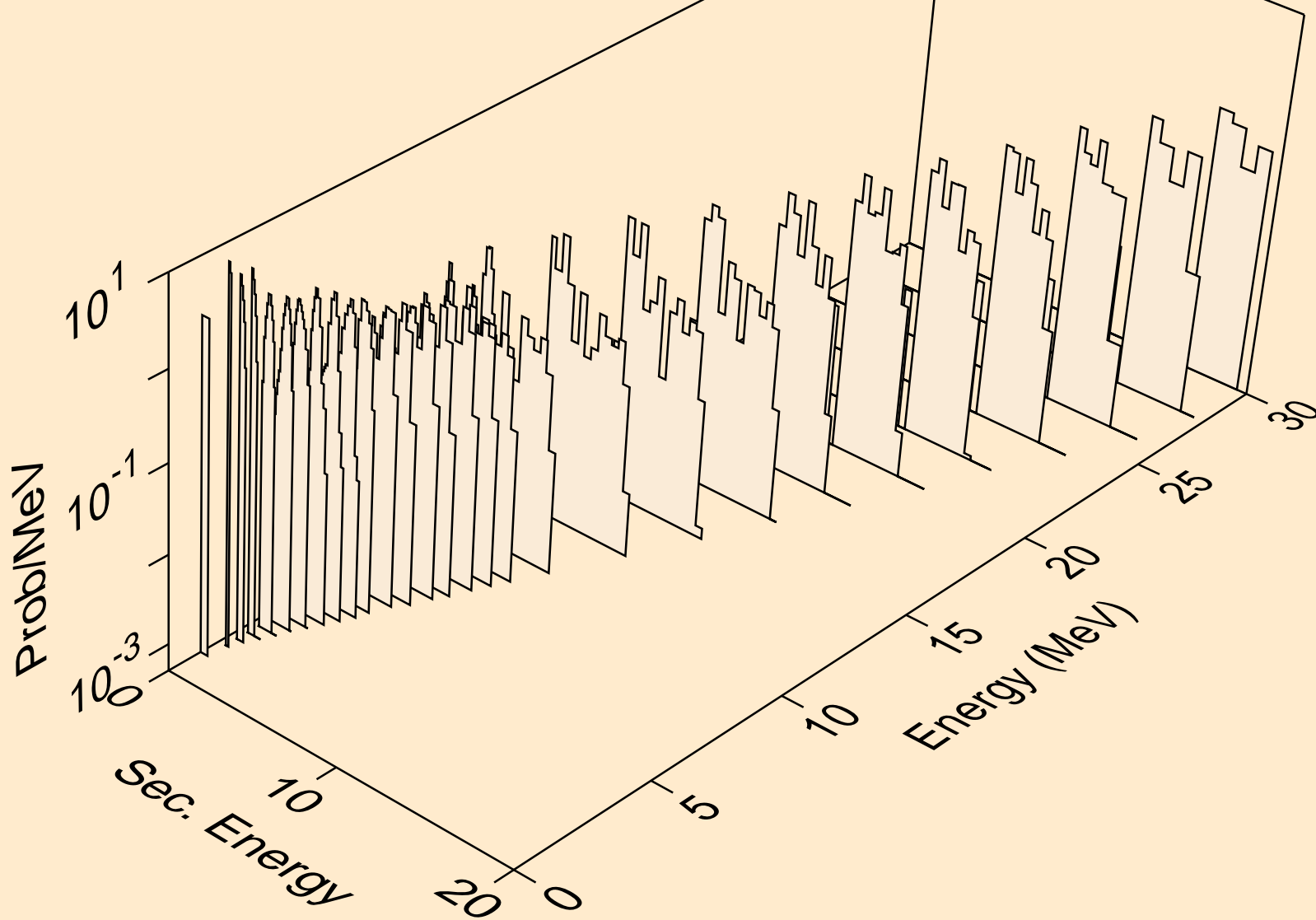
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alphas from (n,n\*)a



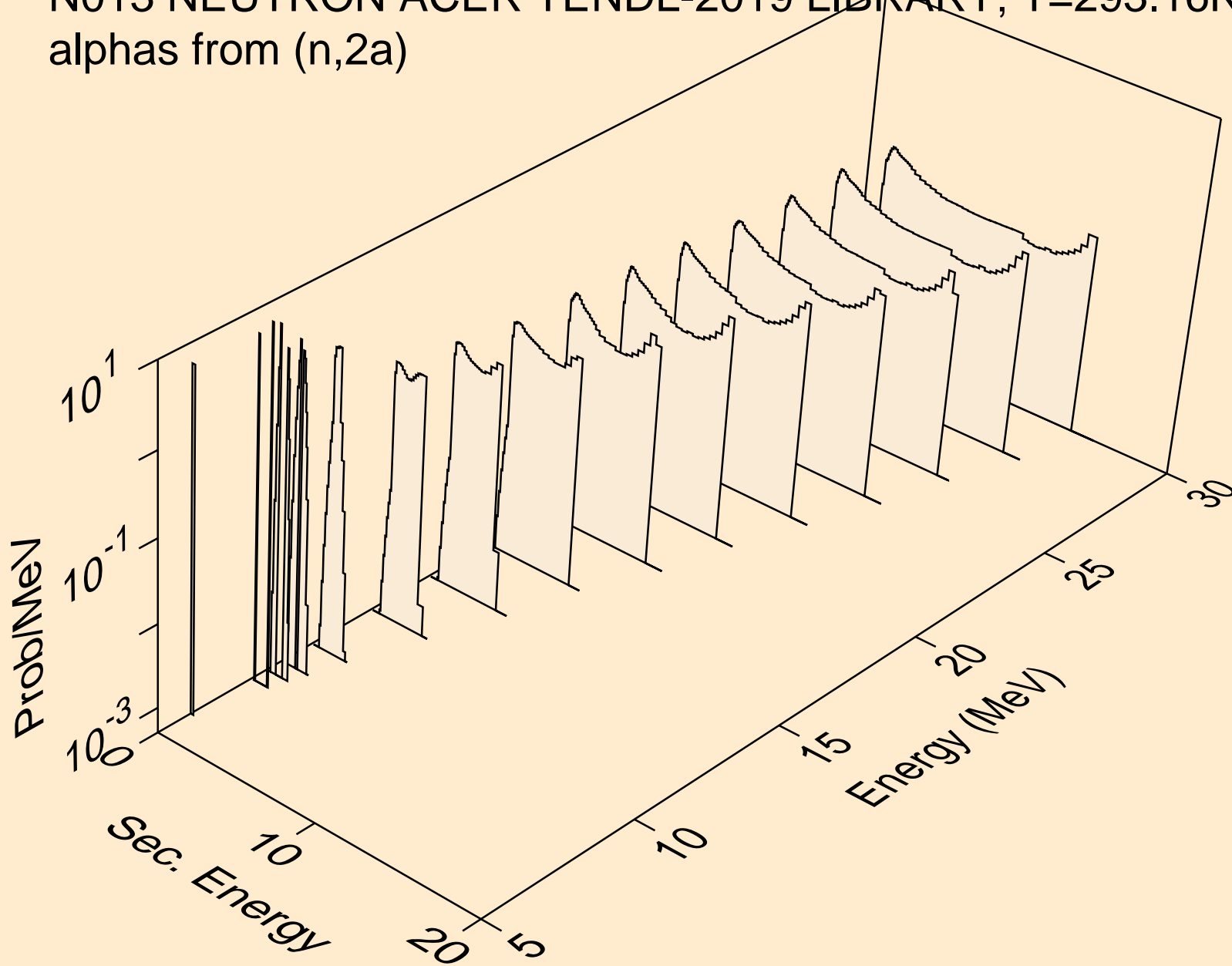
N013 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,npa)



N013 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,a)

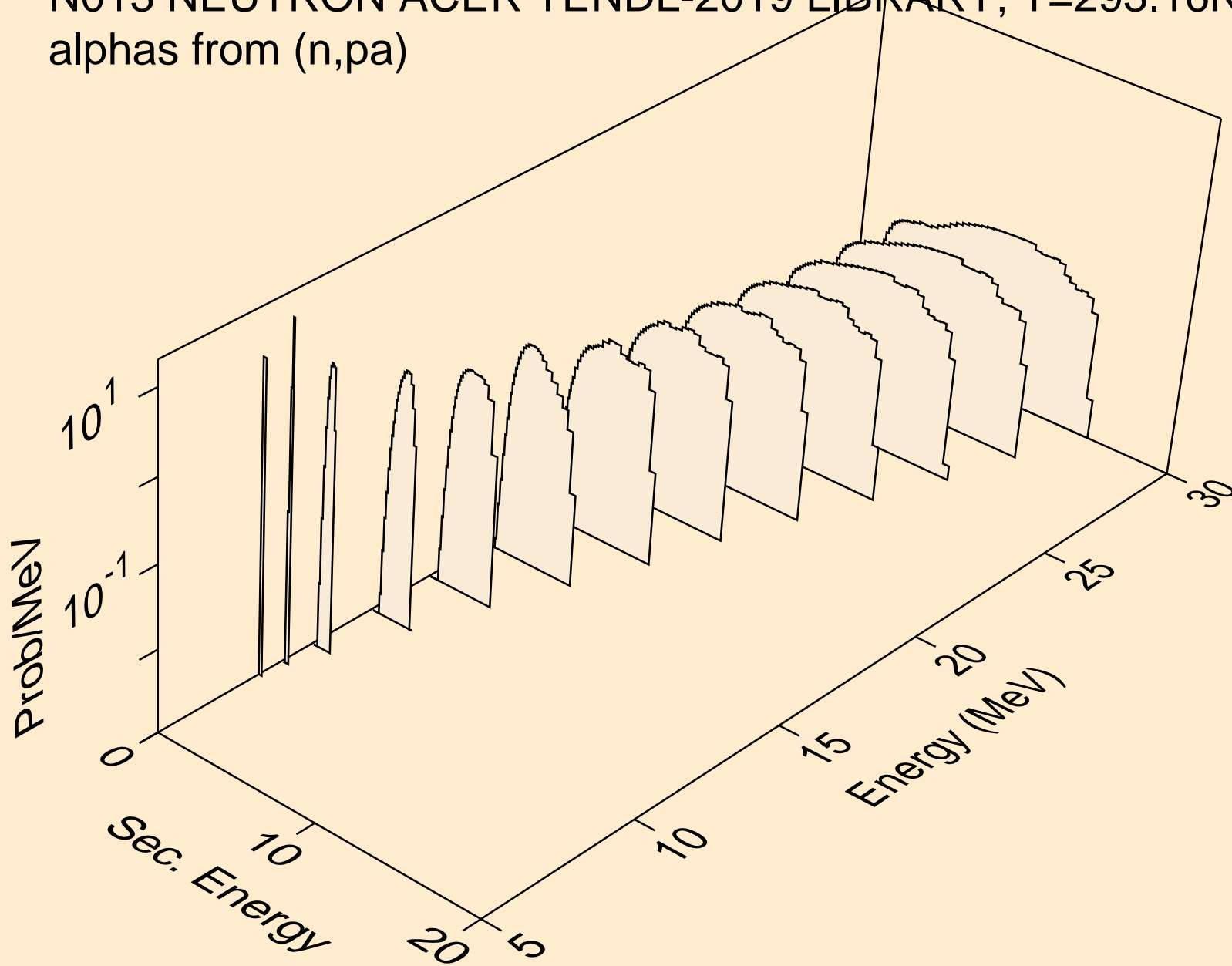


N013 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2a)





N013 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,pa)



N013 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,da)

