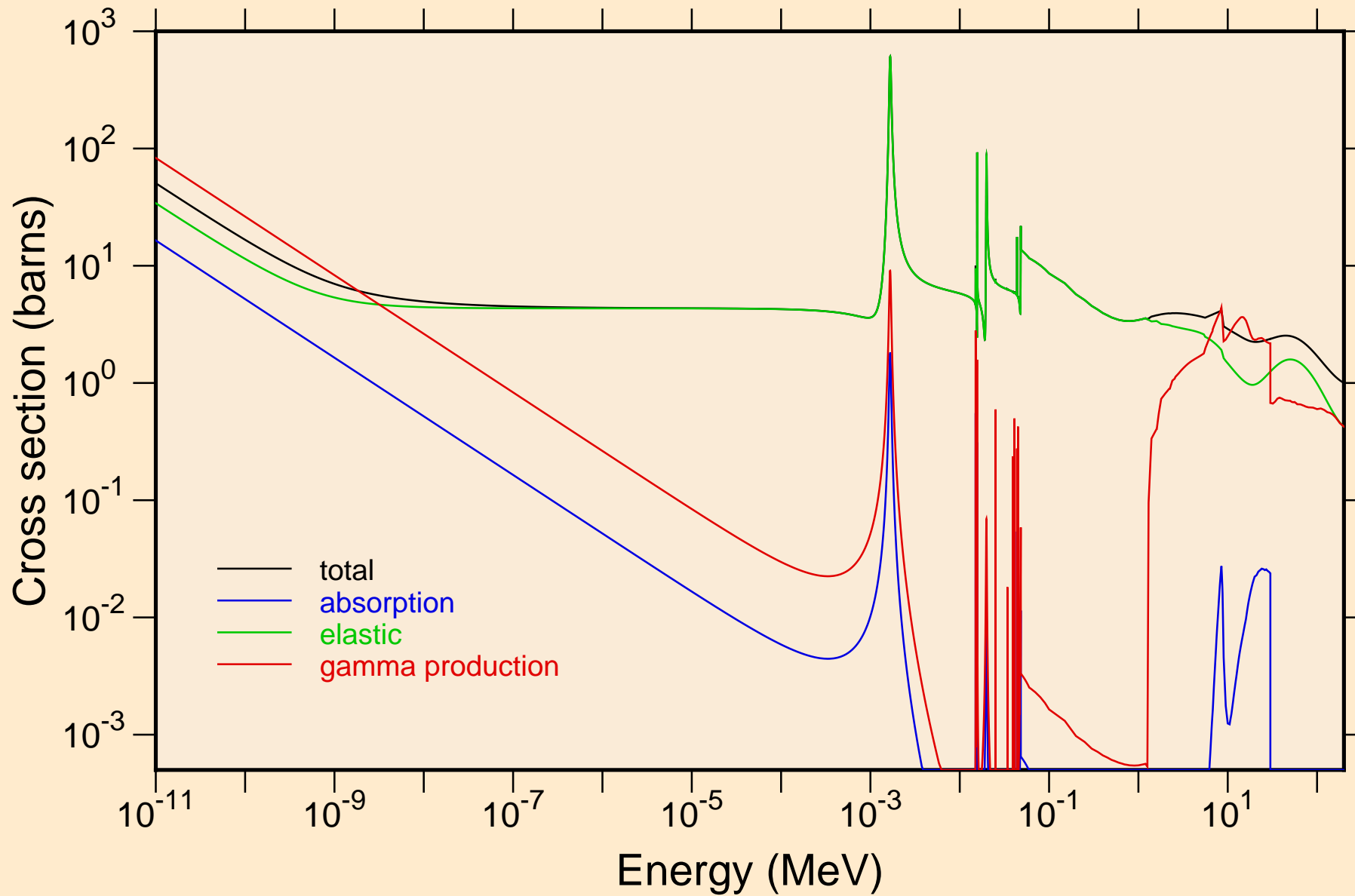
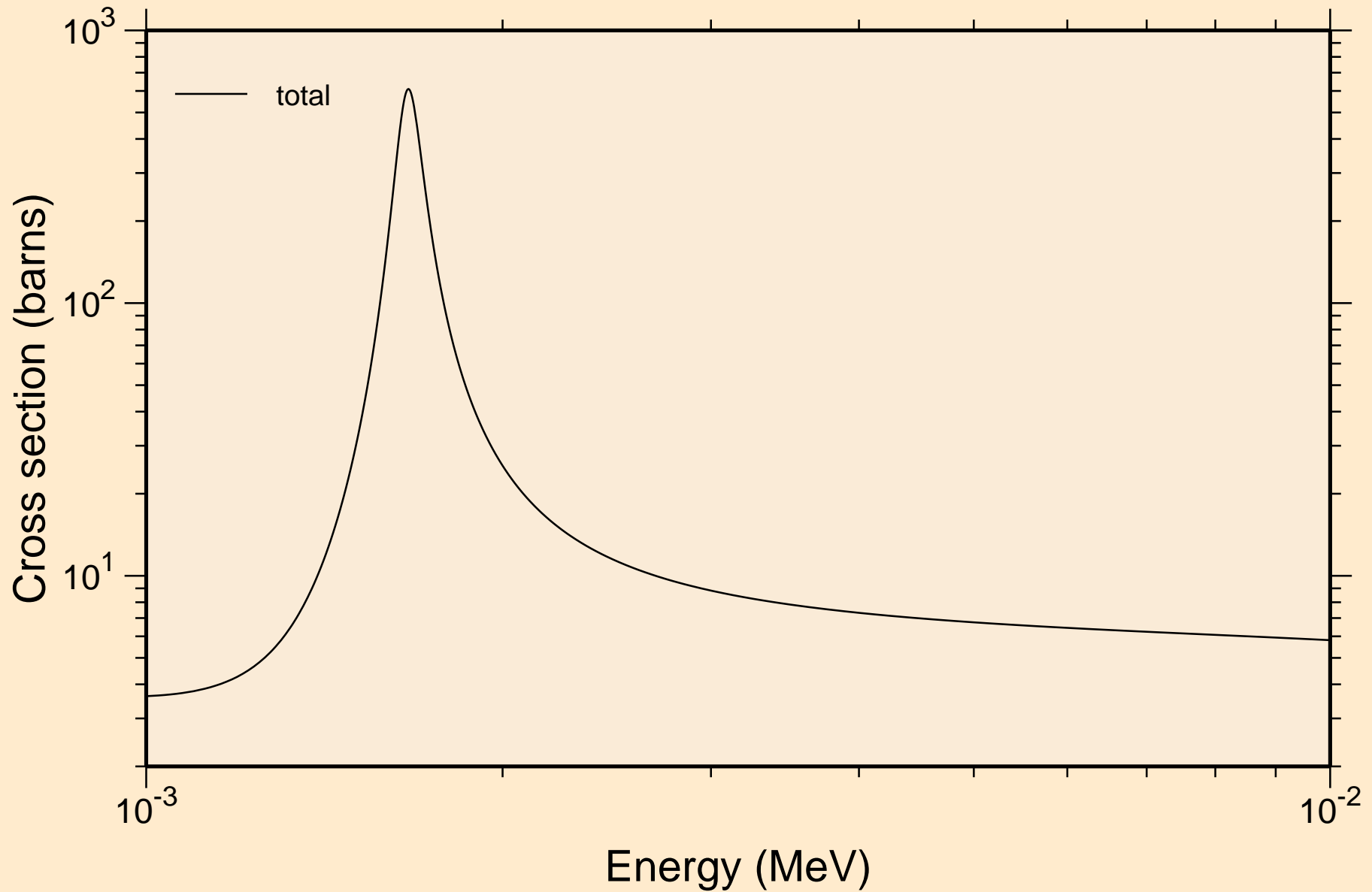


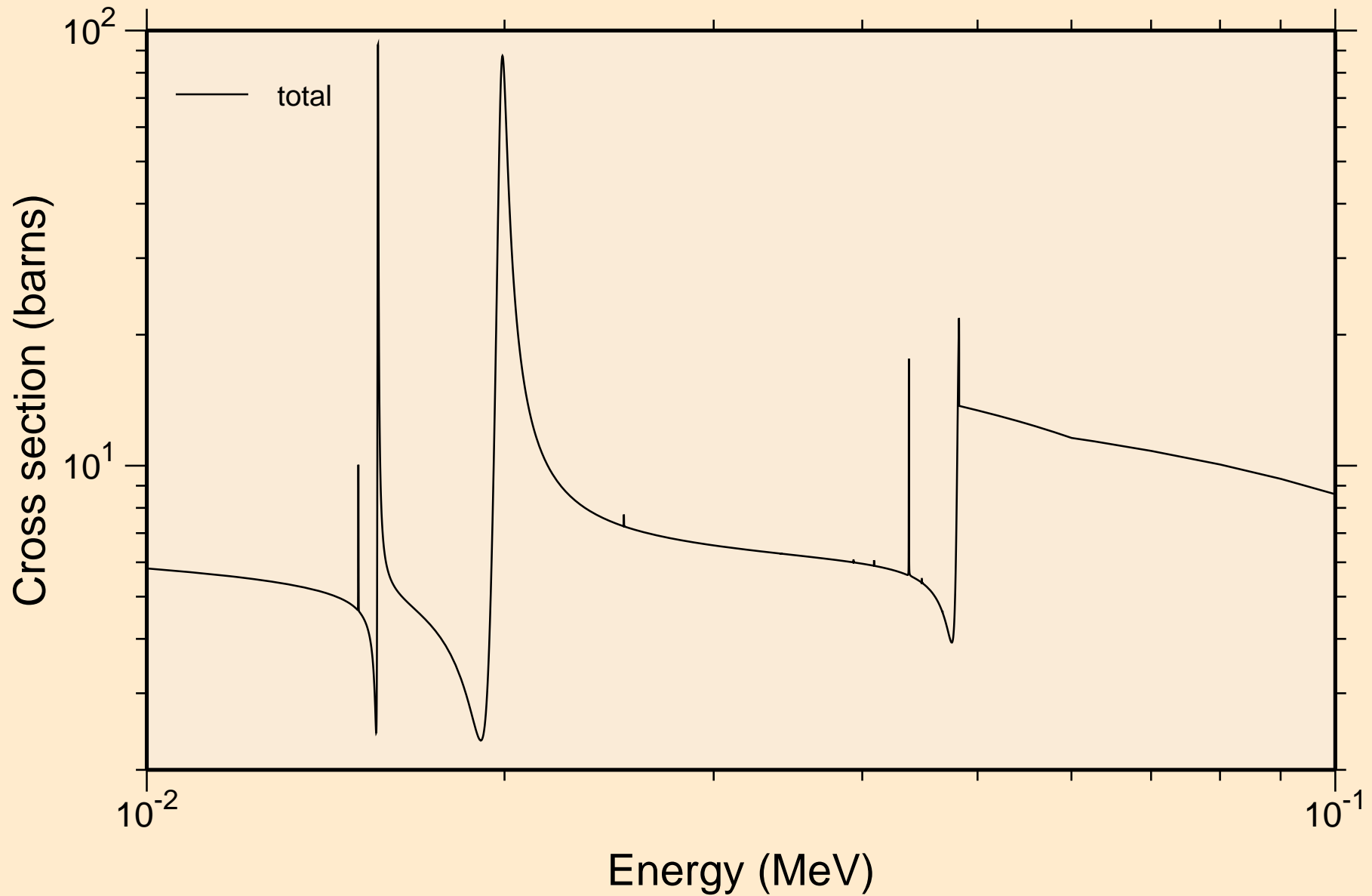
TI053 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Principal cross sections



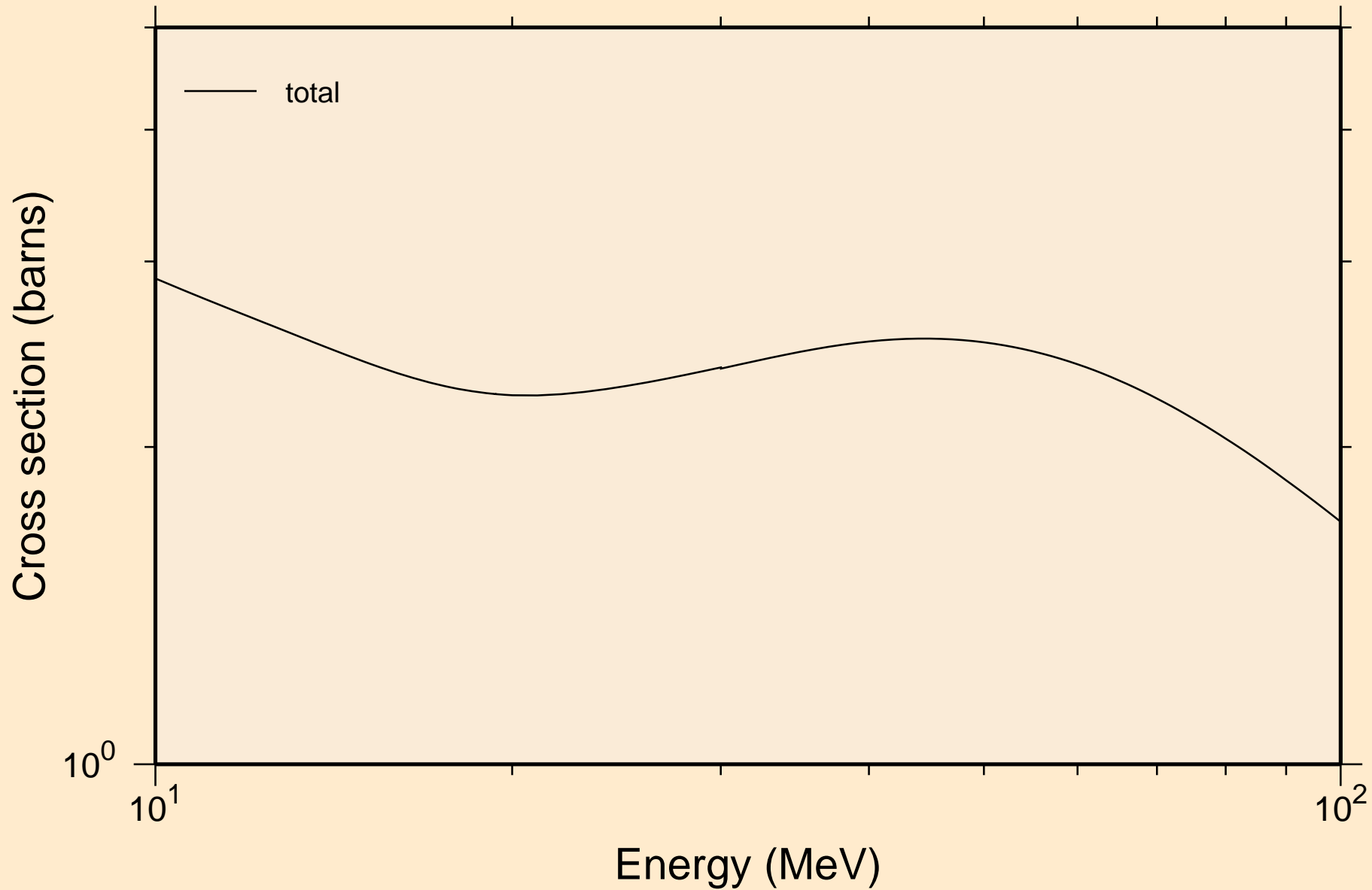
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resonance total cross section



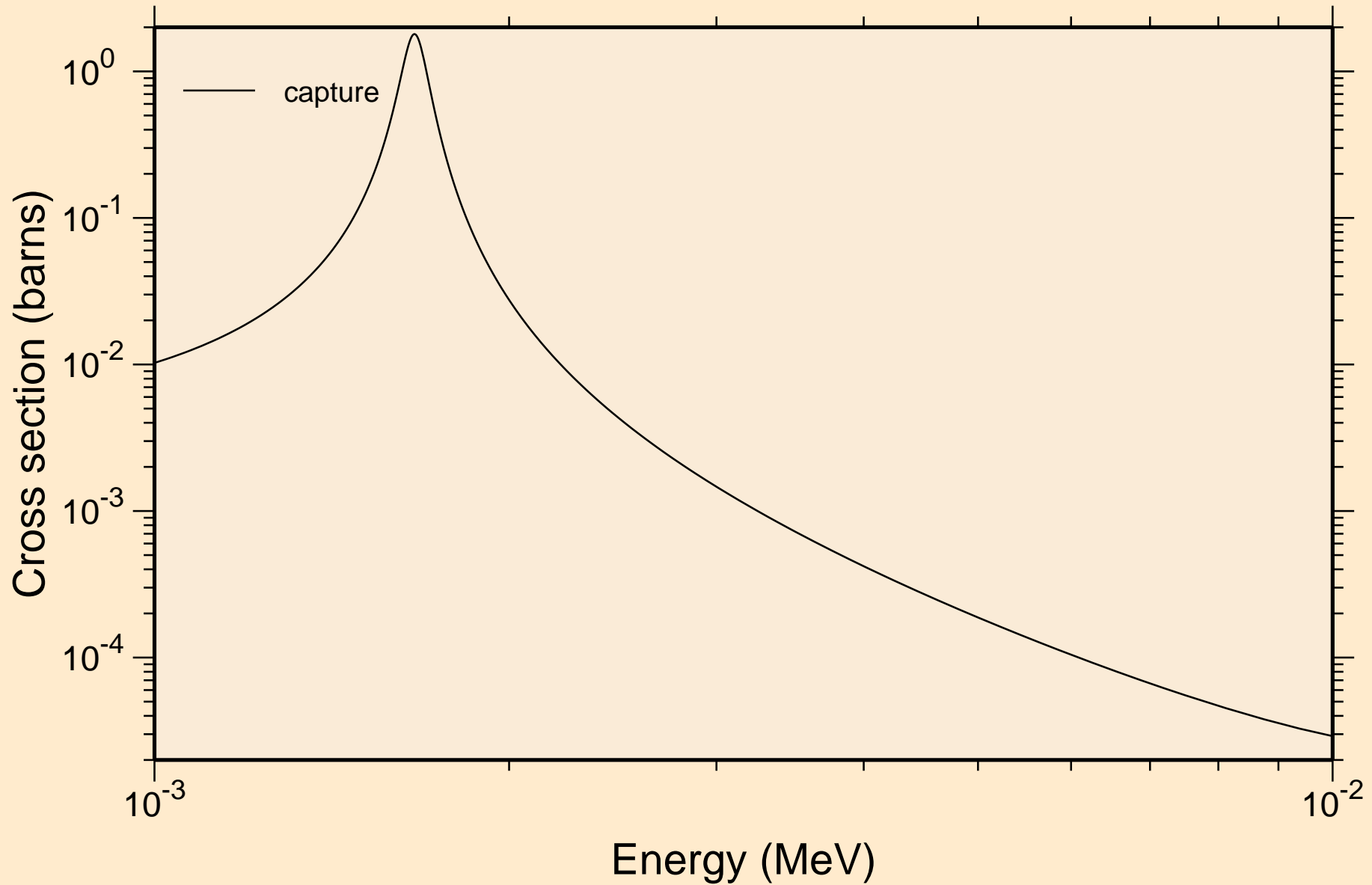
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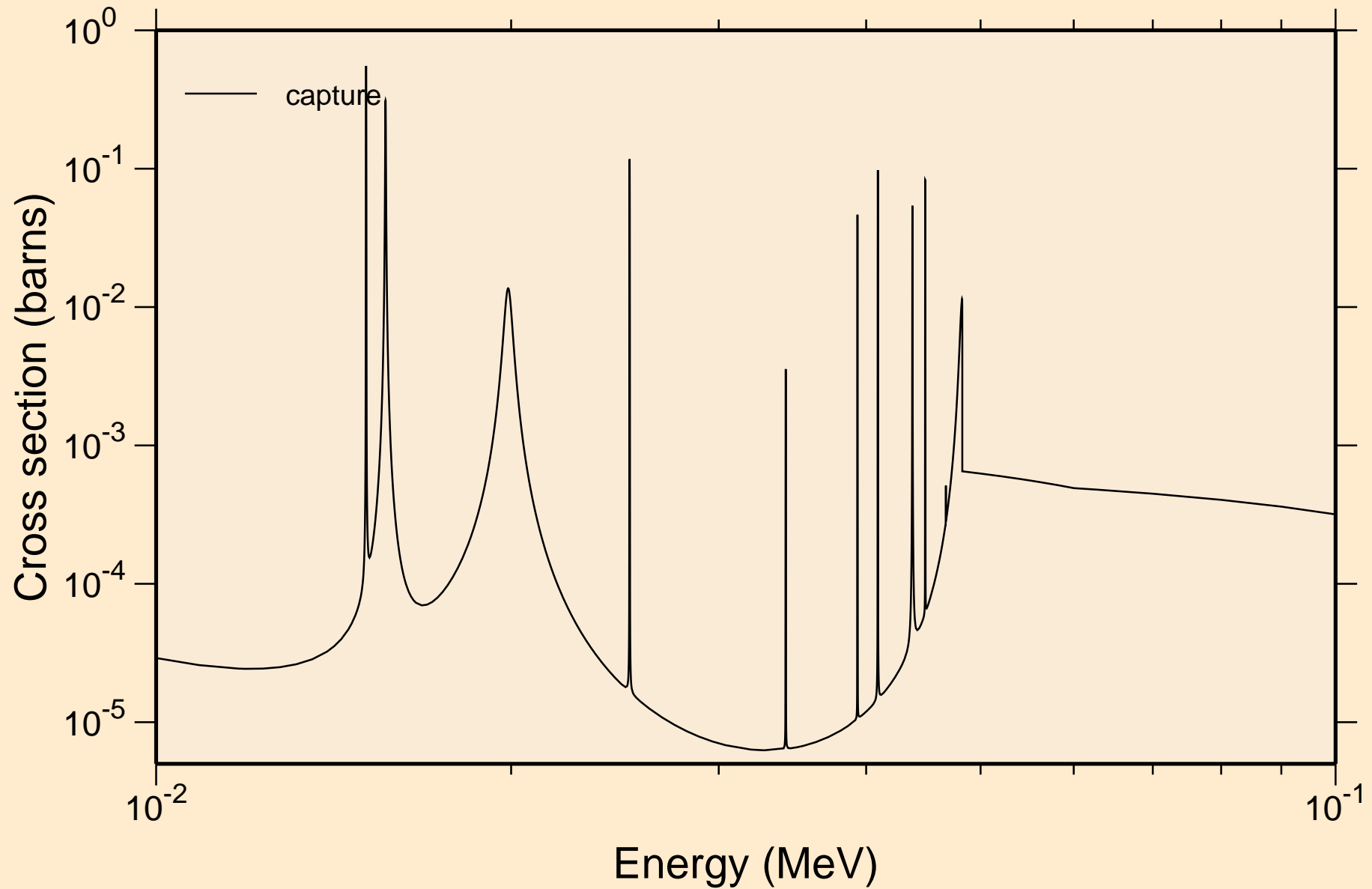
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resonance total cross section



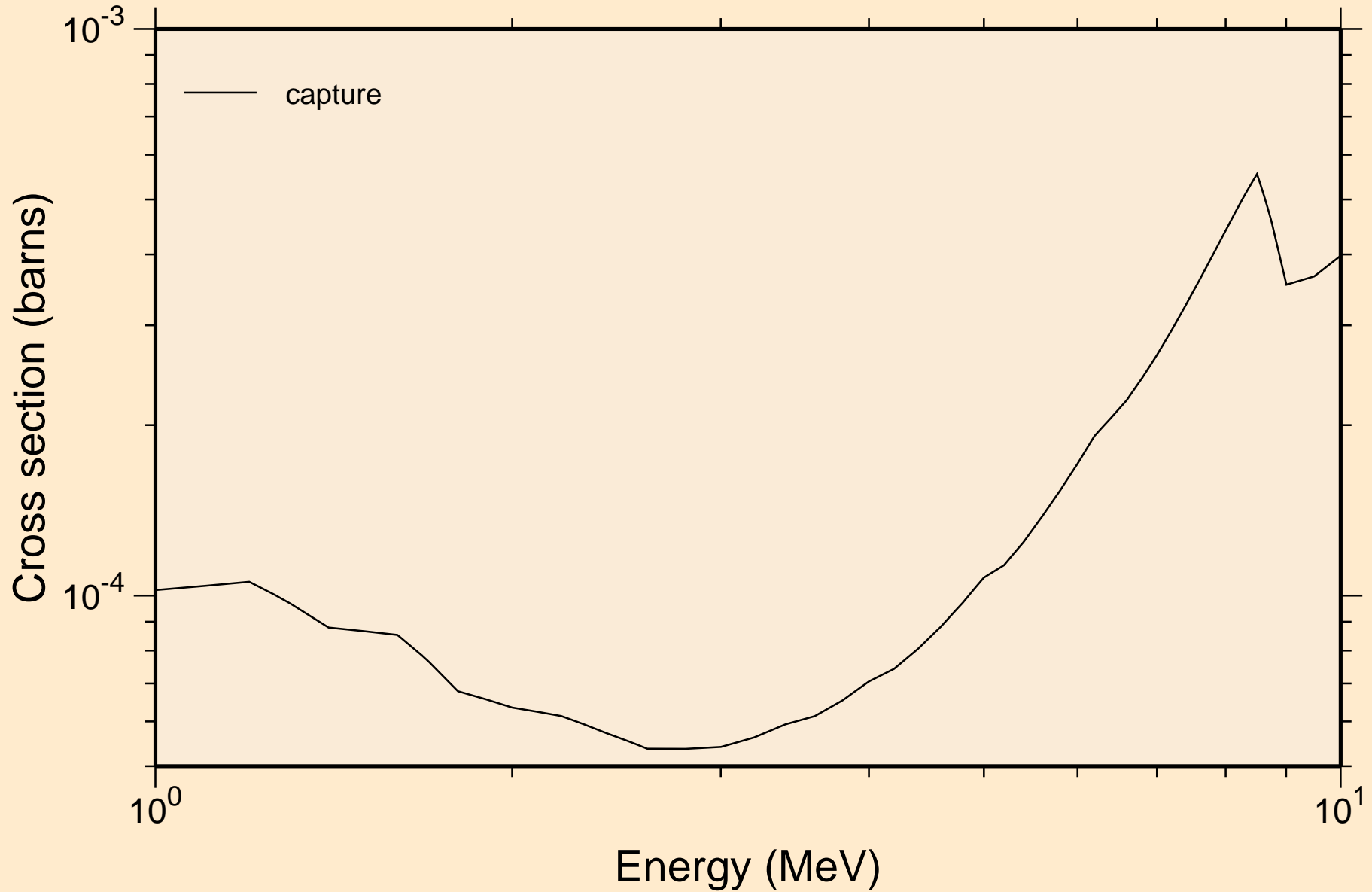
TI053 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



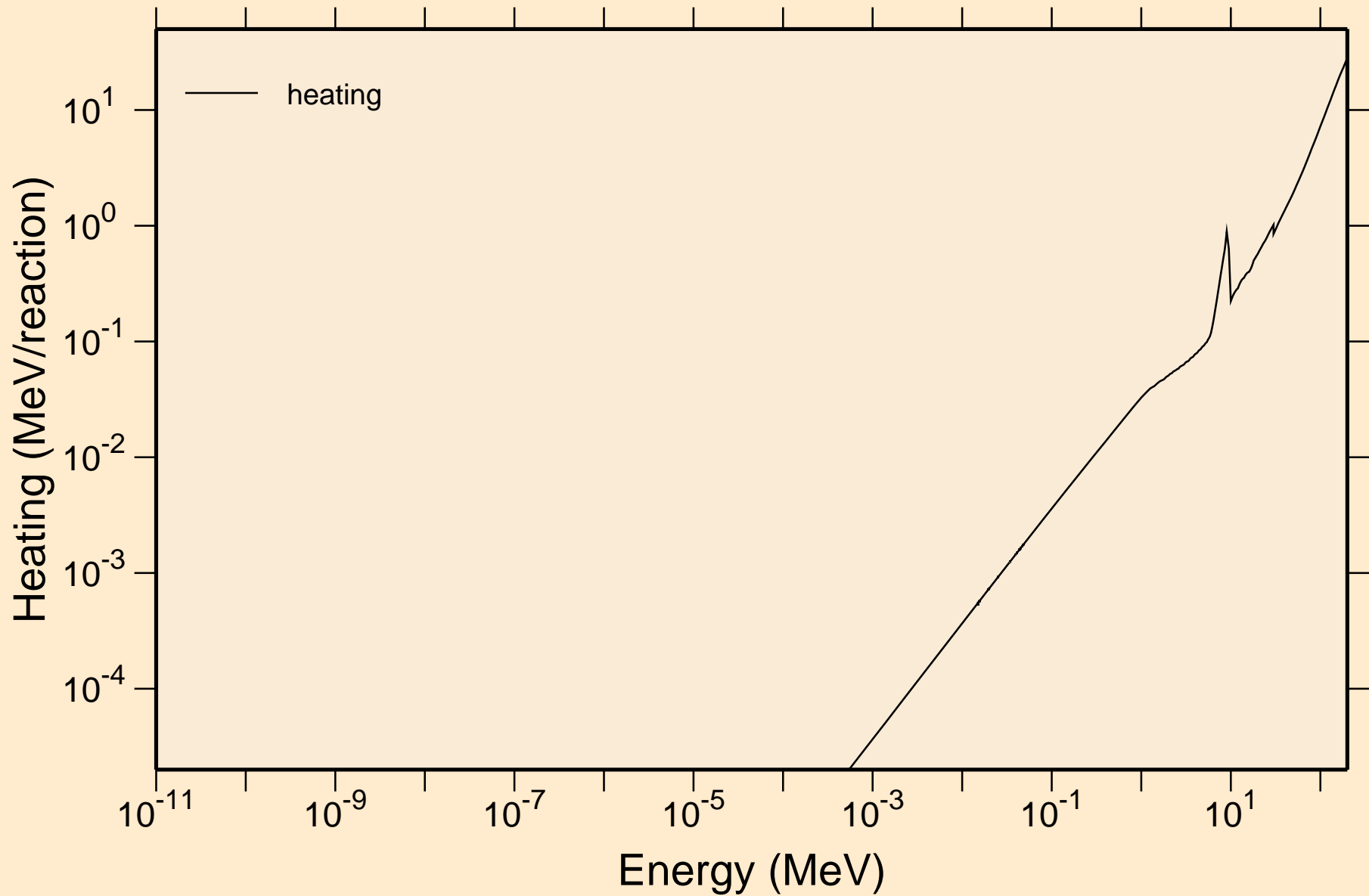
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resonance absorption cross sections



TI053 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections

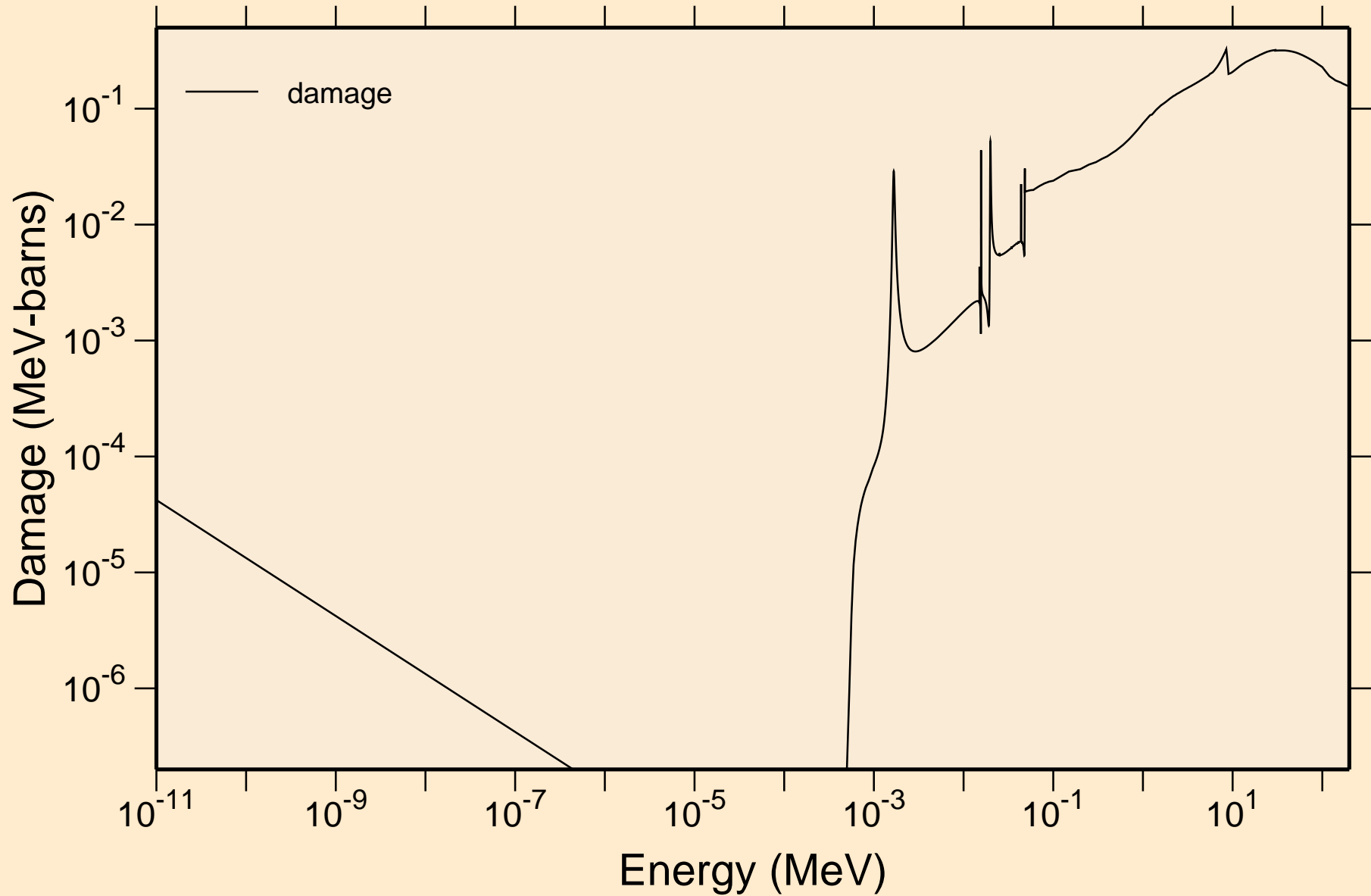


TI053 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Heating

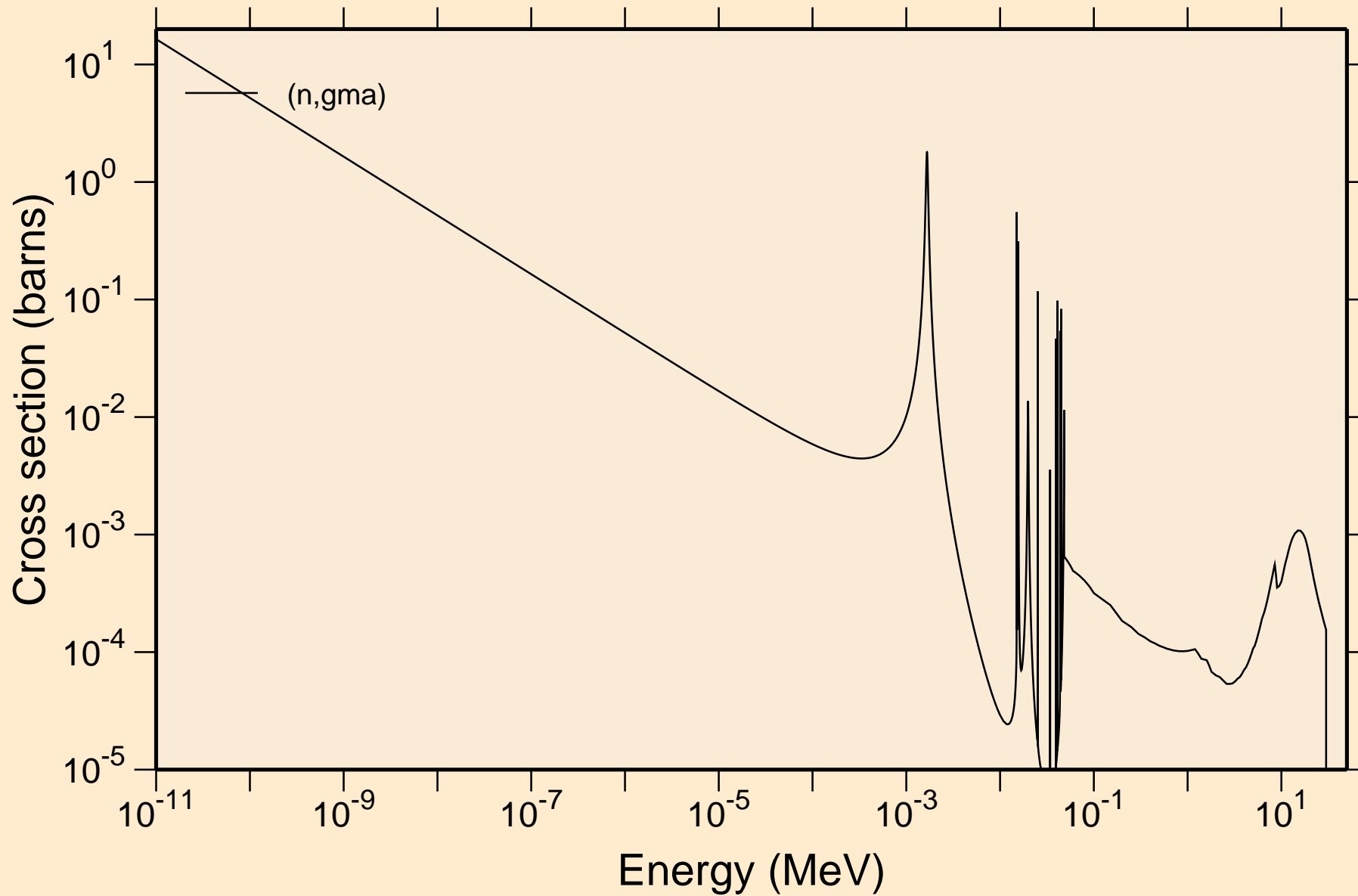




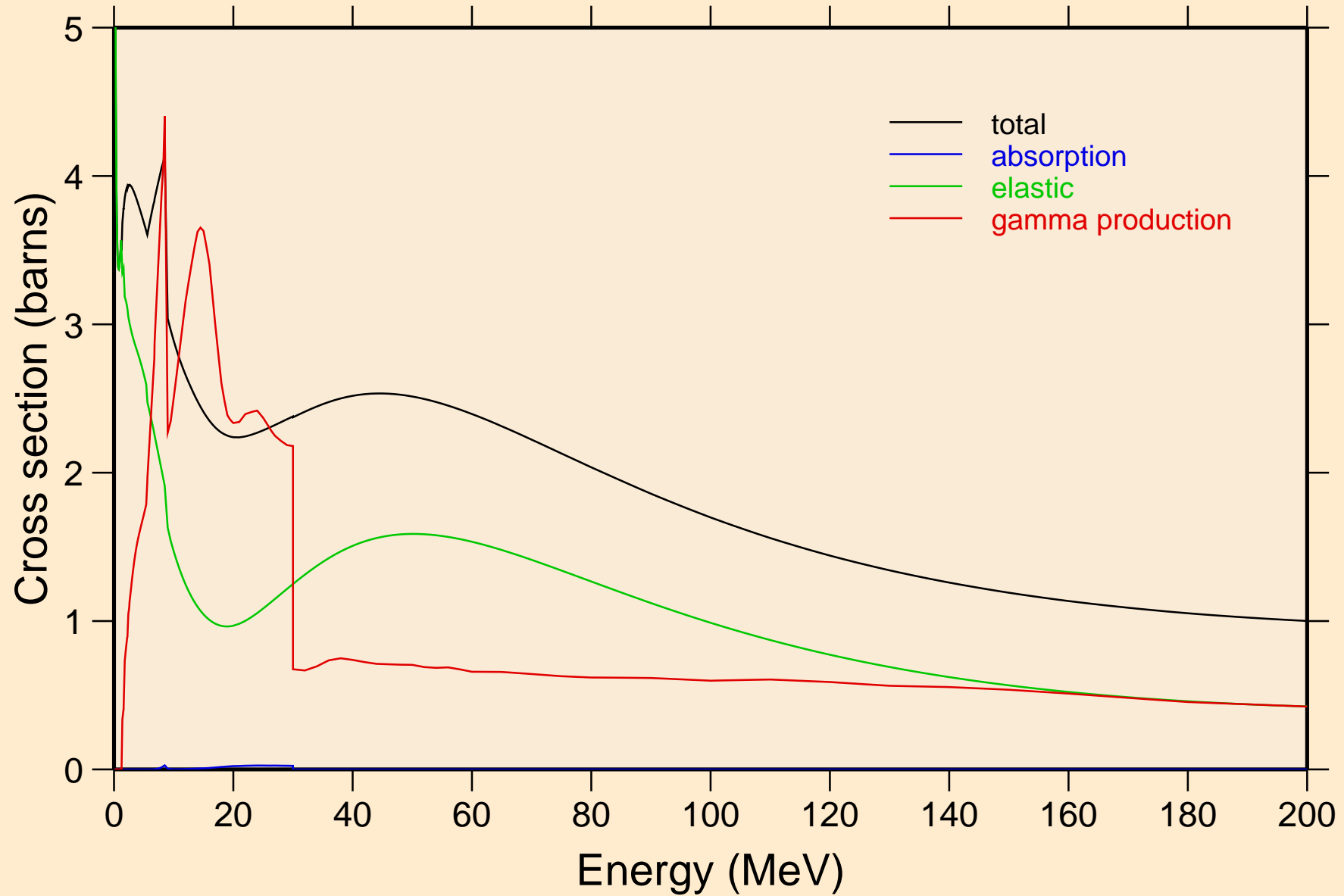
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Damage



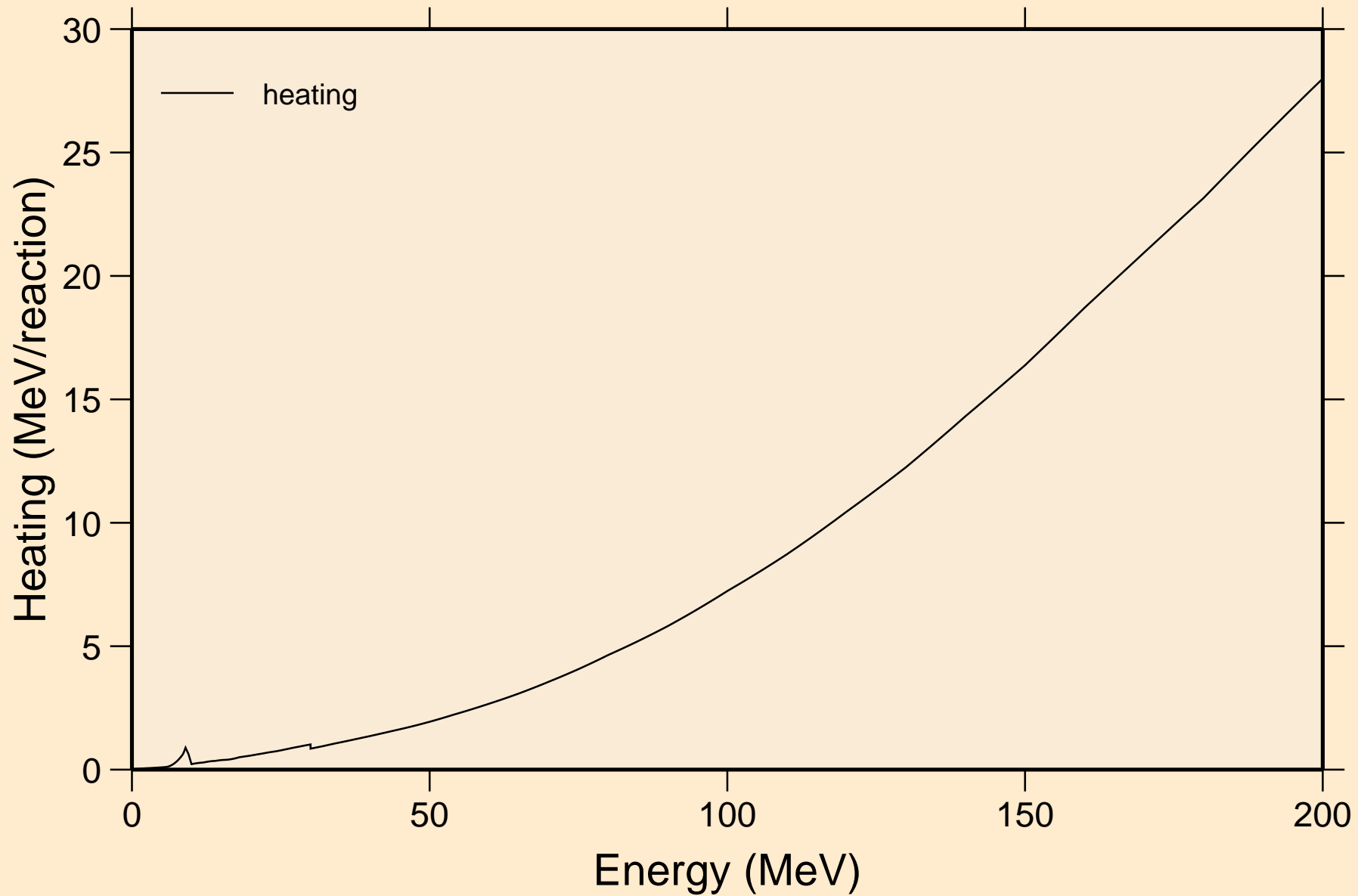
TI053 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions



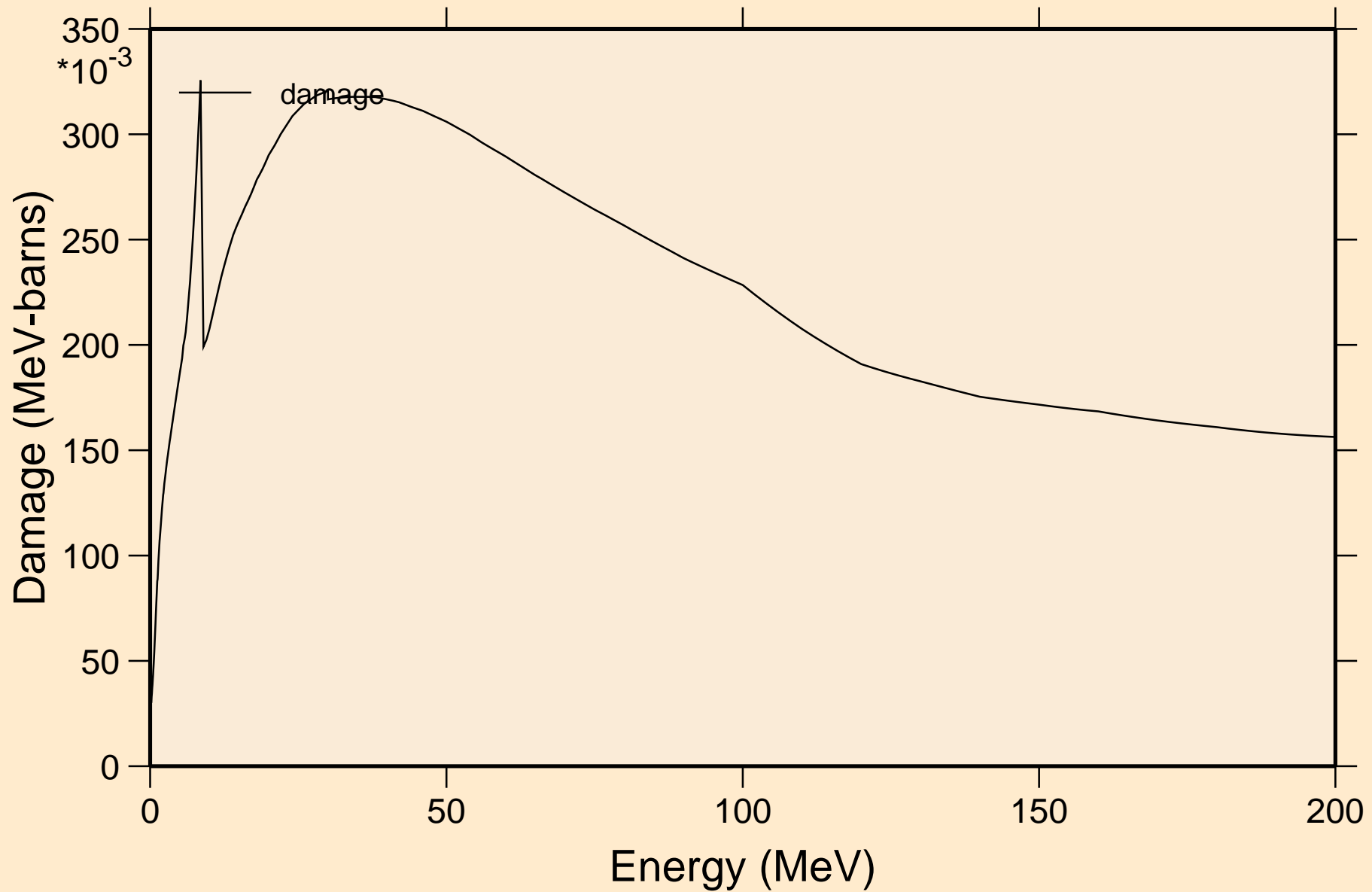
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Principal cross sections



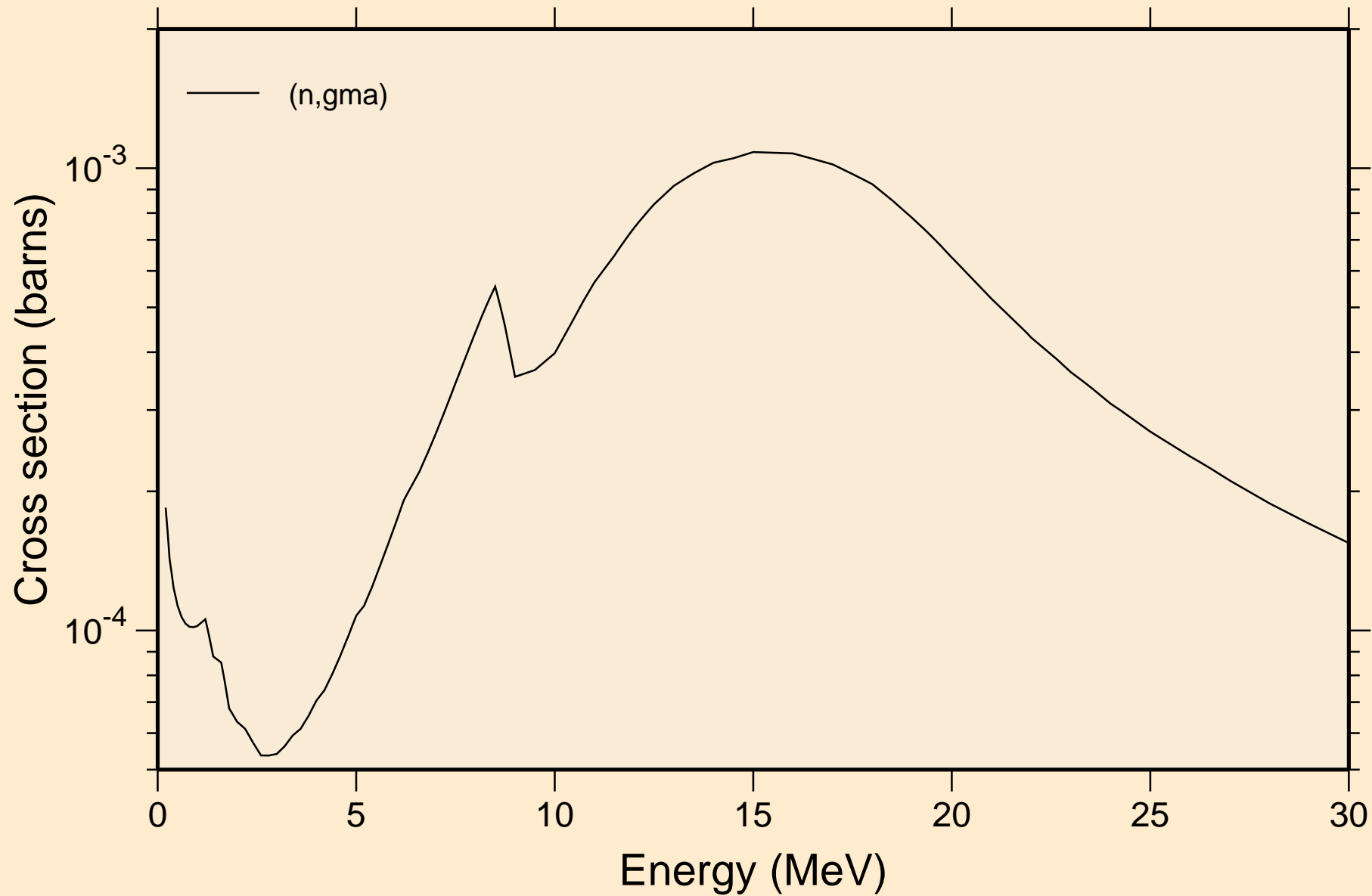
TI053 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Heating



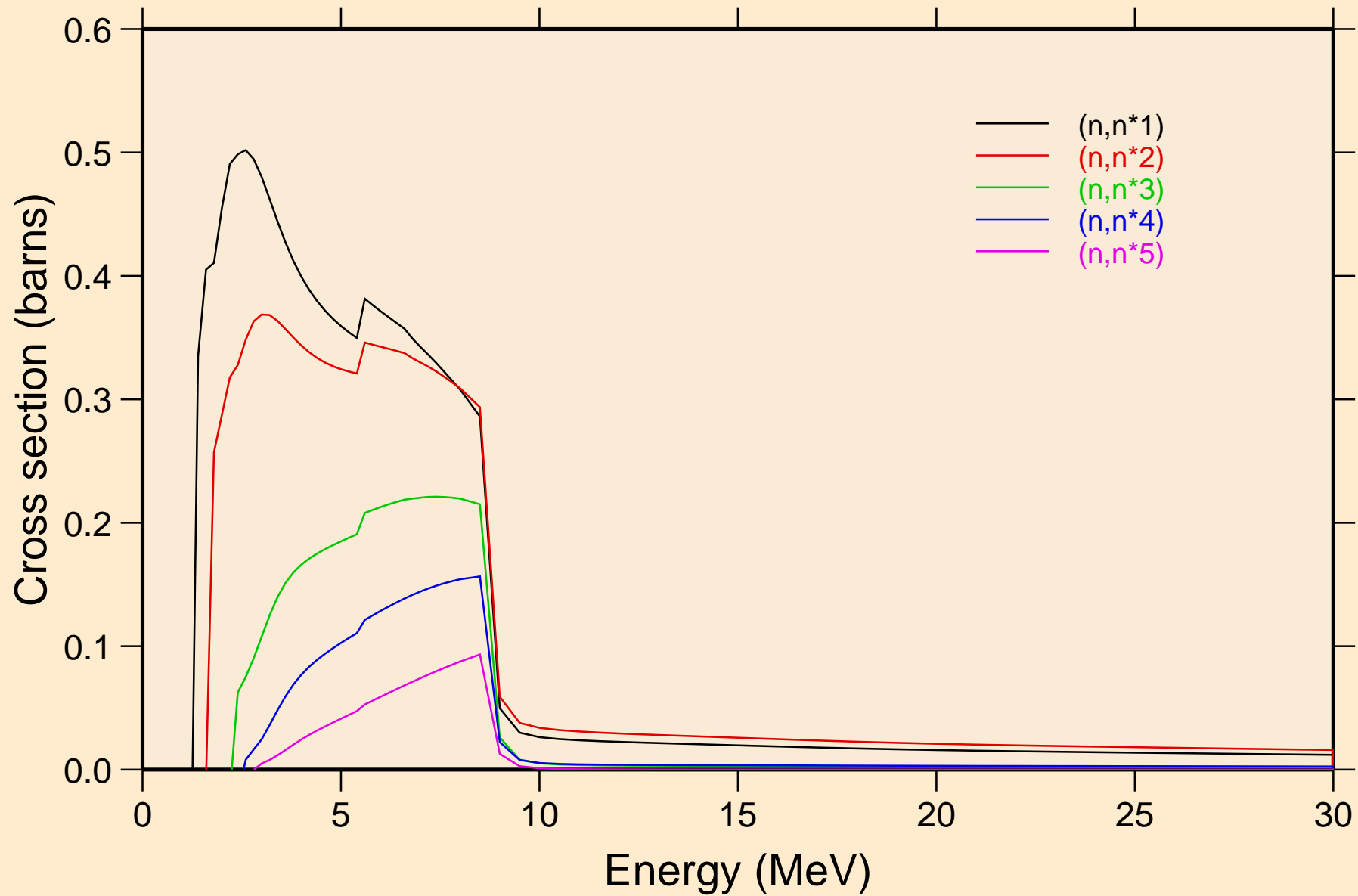
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Damage



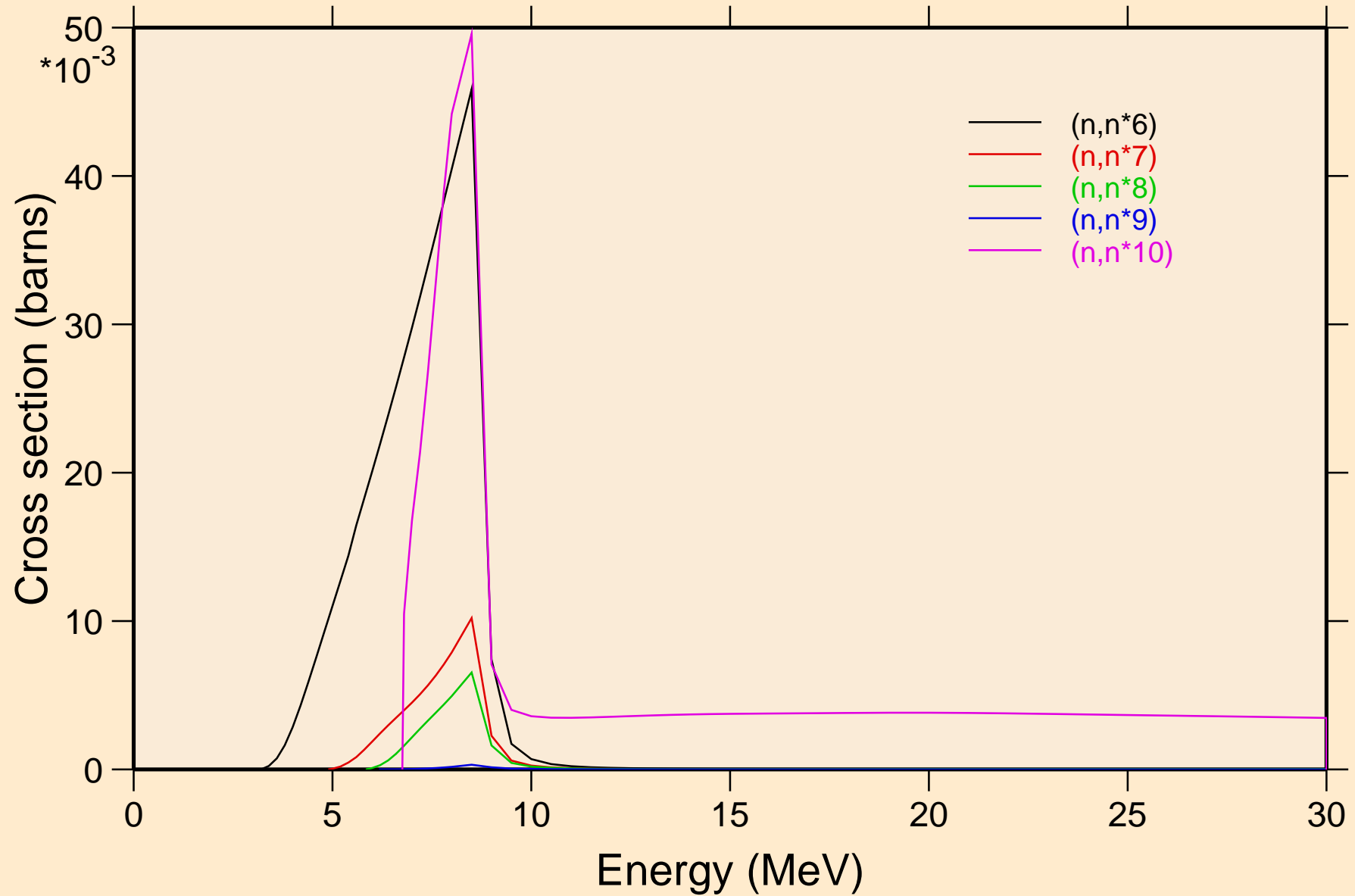
TI053 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions



TI053 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels

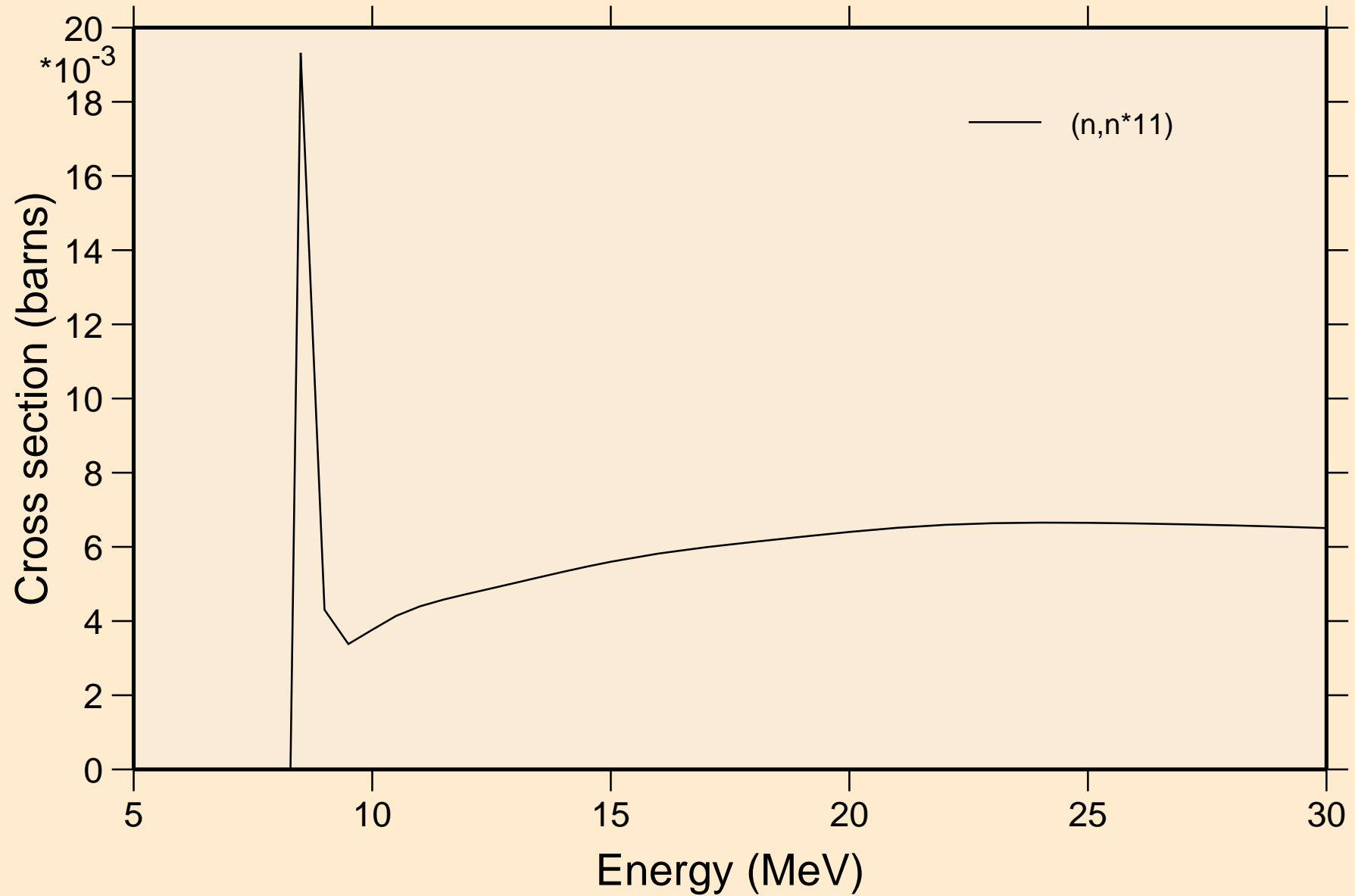


TI053 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels

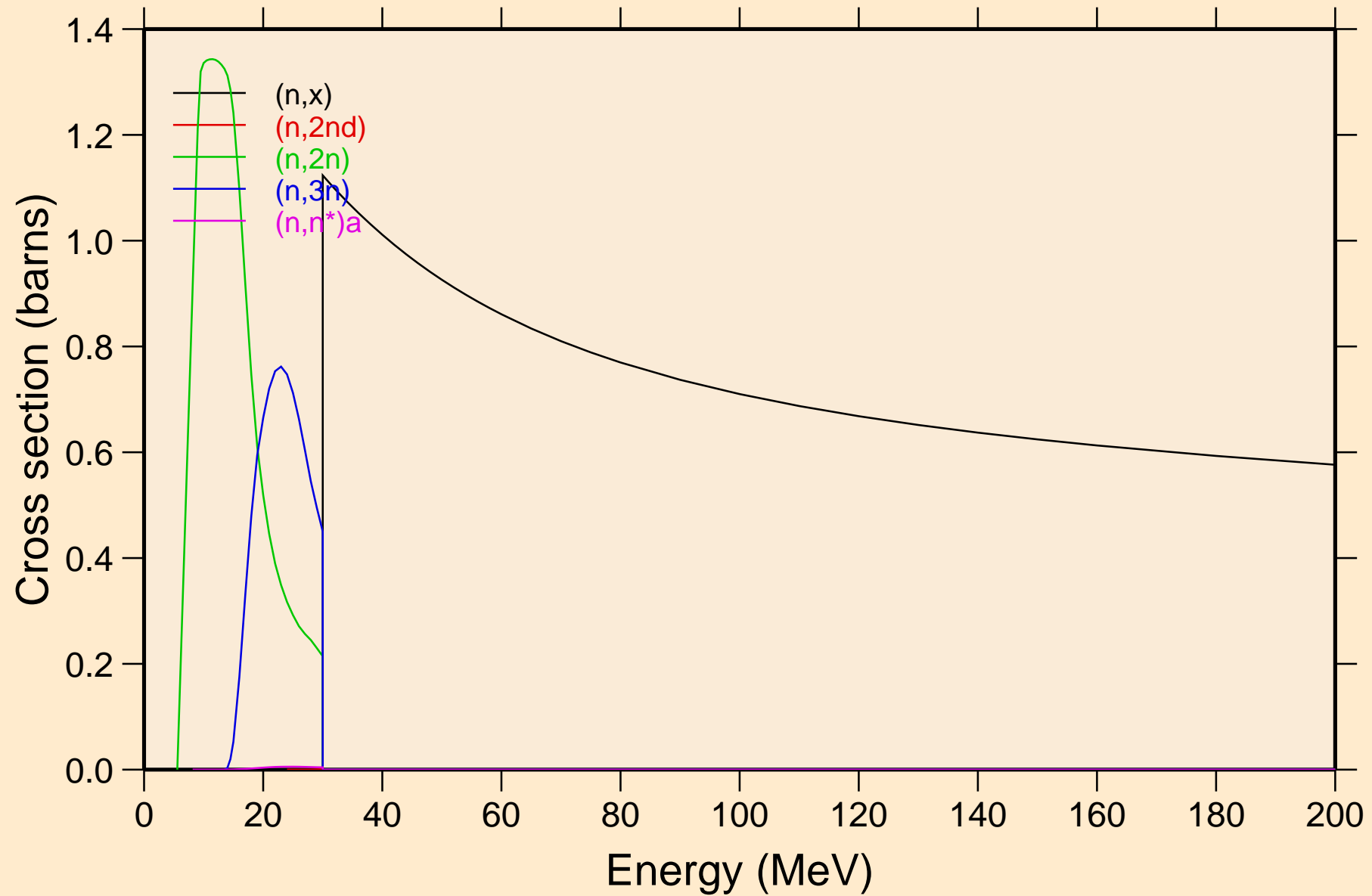




TI053 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels

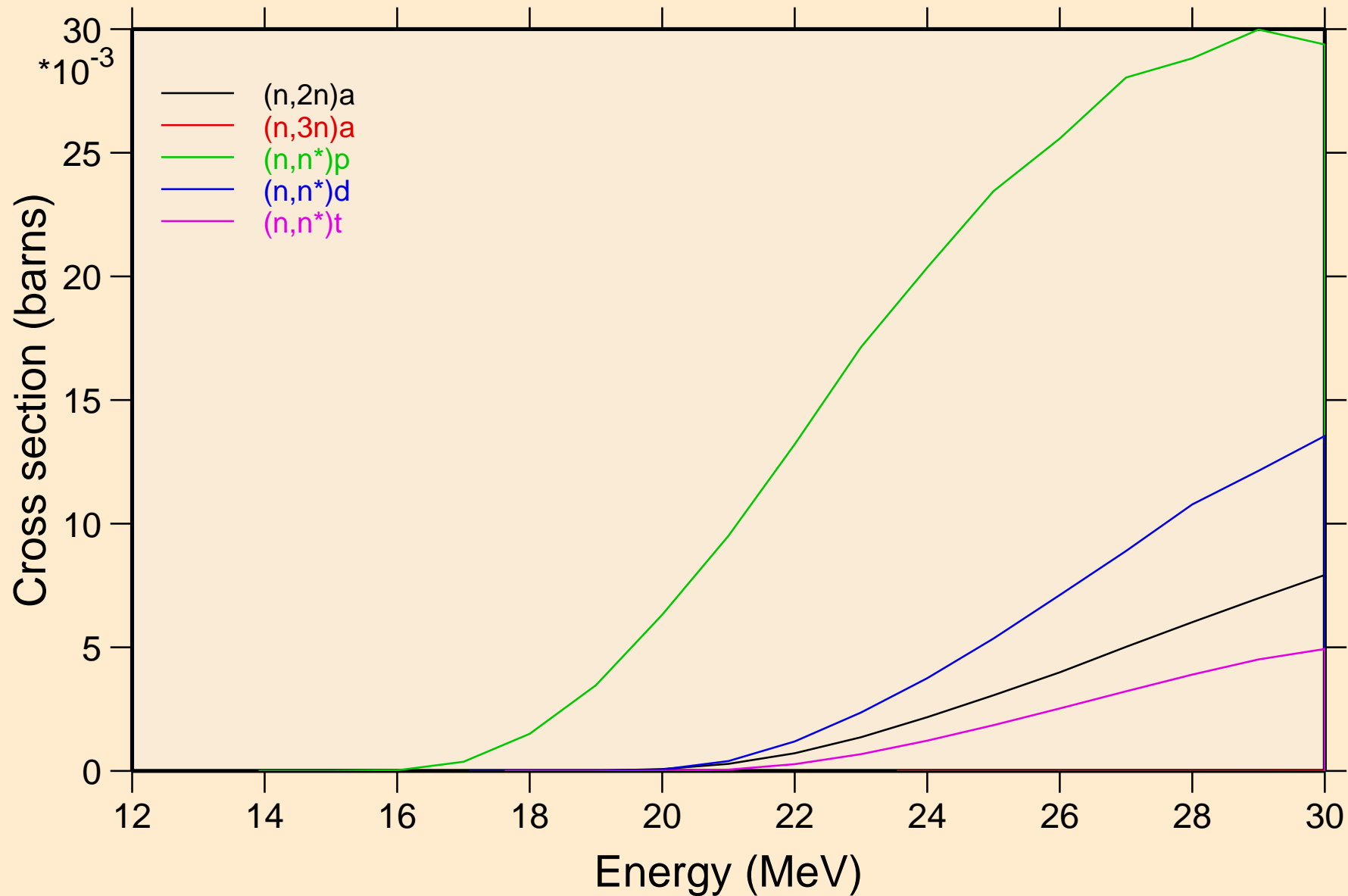


TI053 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions

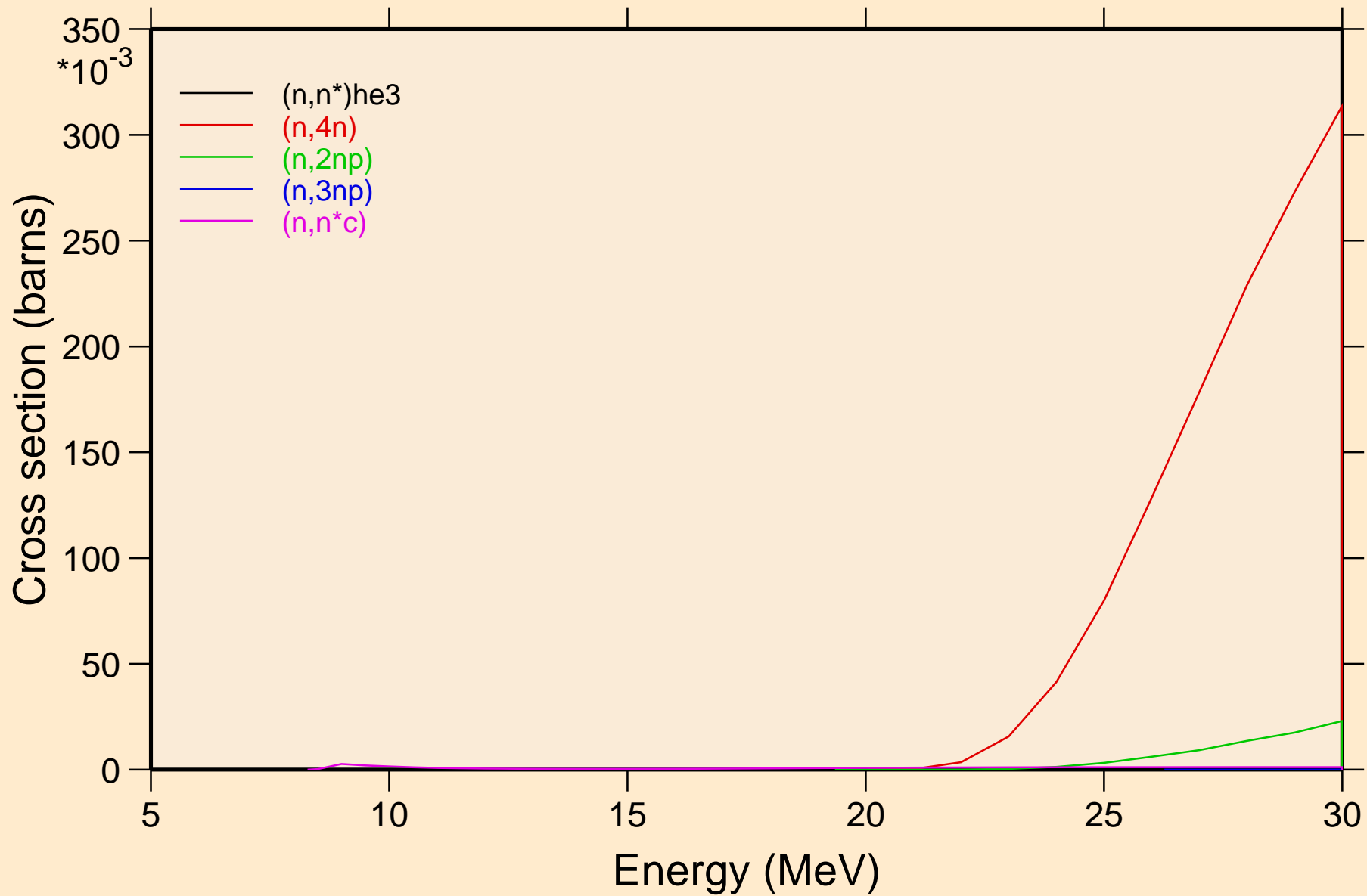


# TI053 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

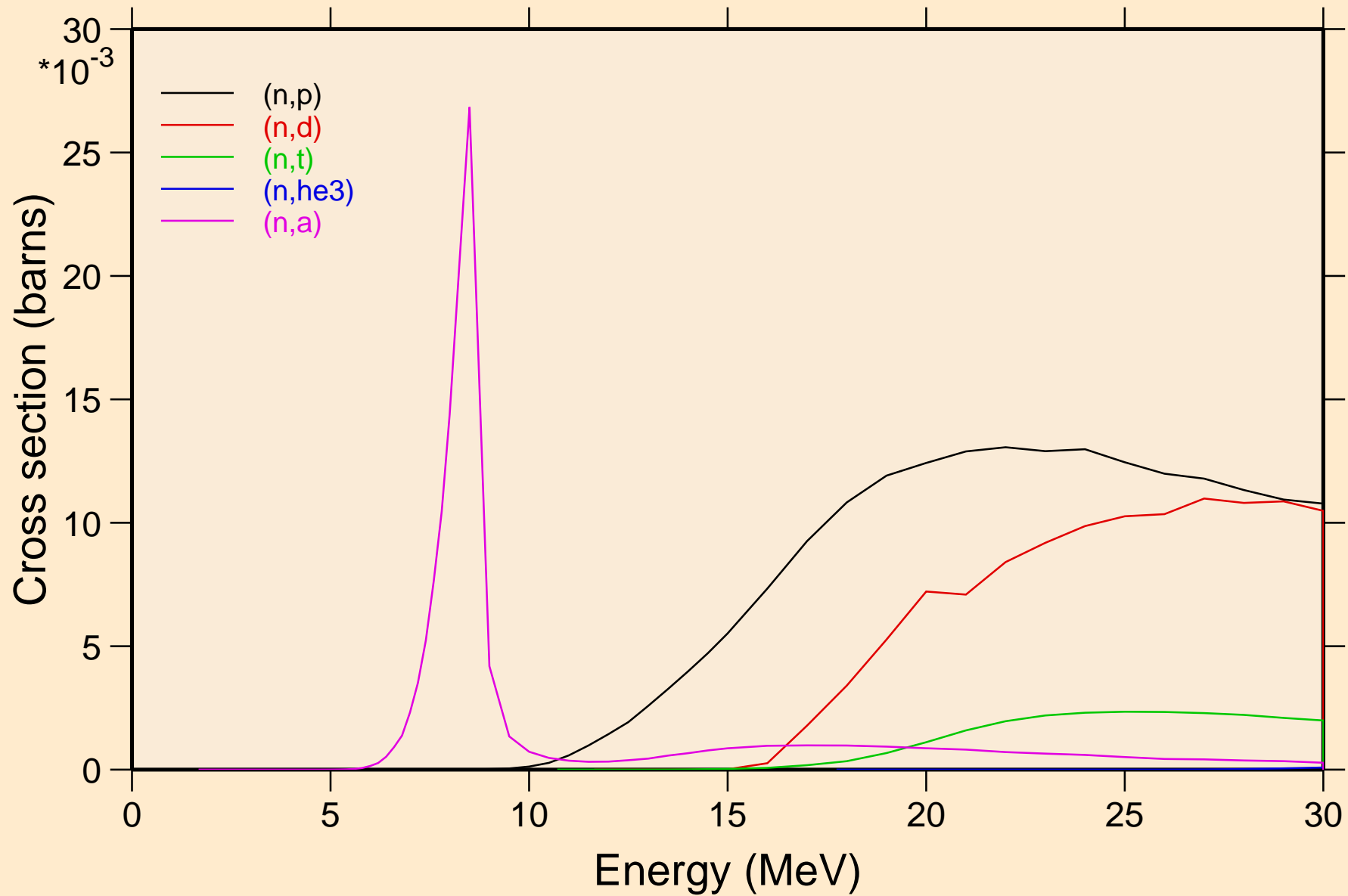
## Threshold reactions



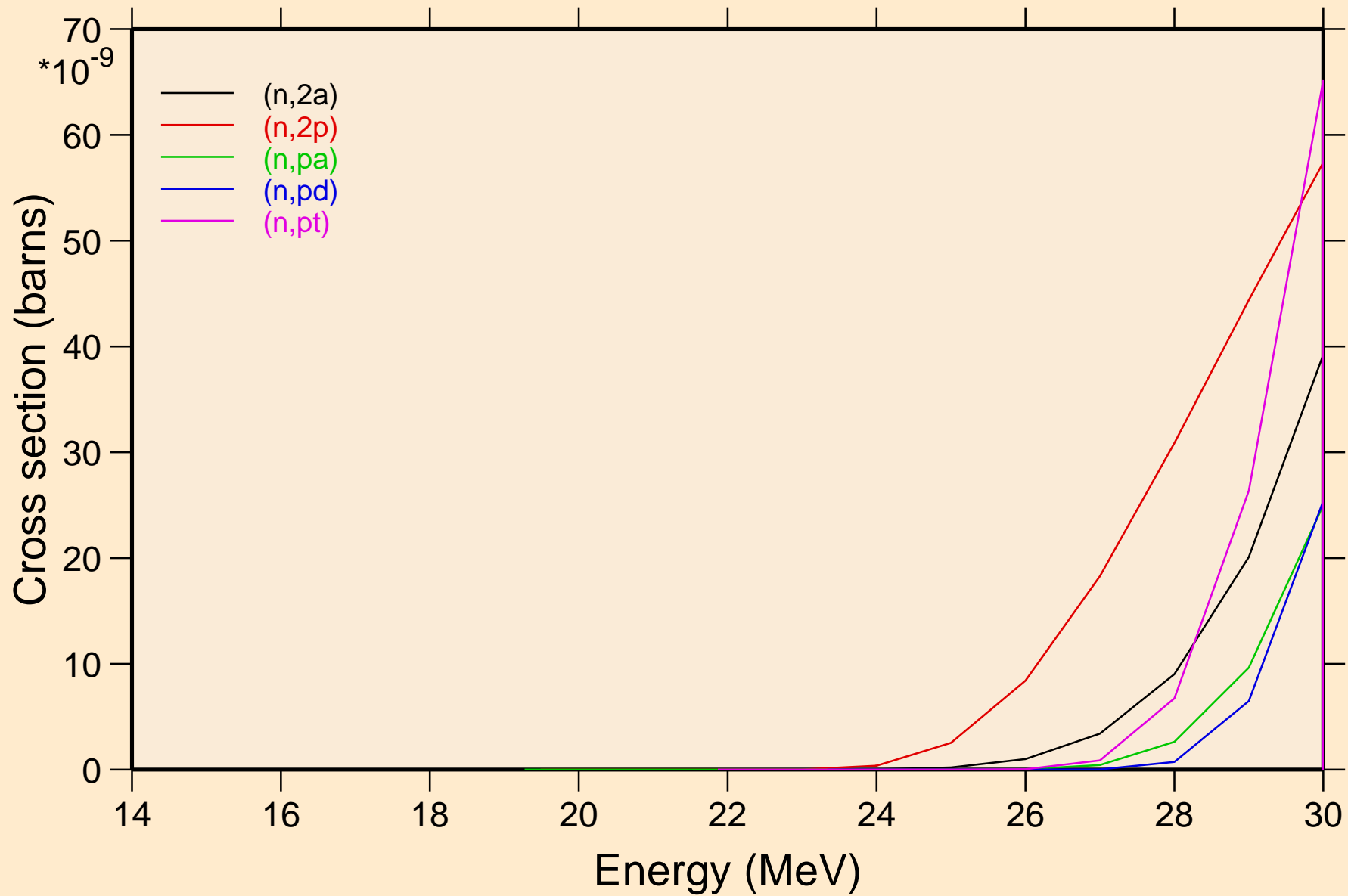
TI053 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



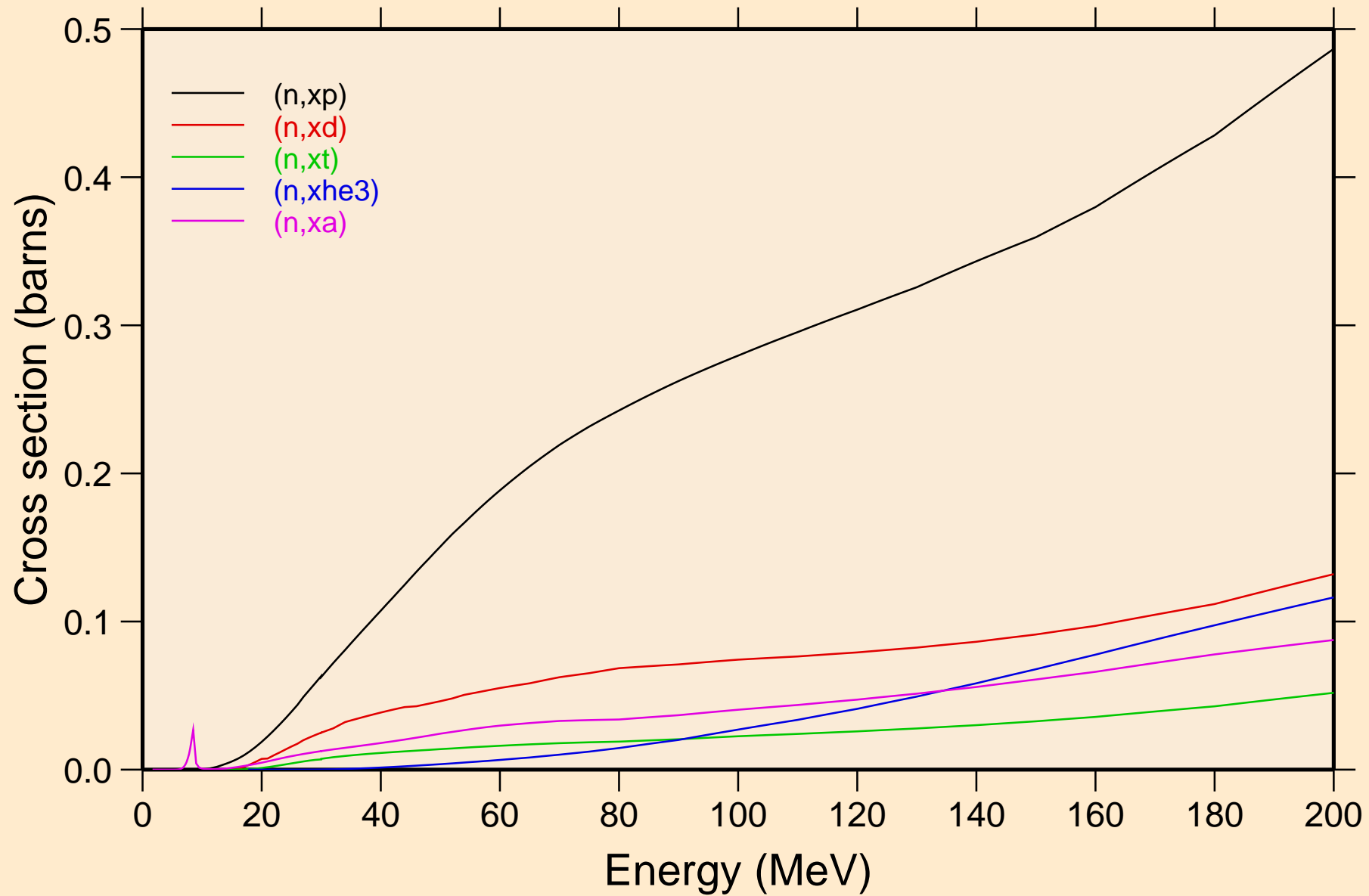
TI053 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



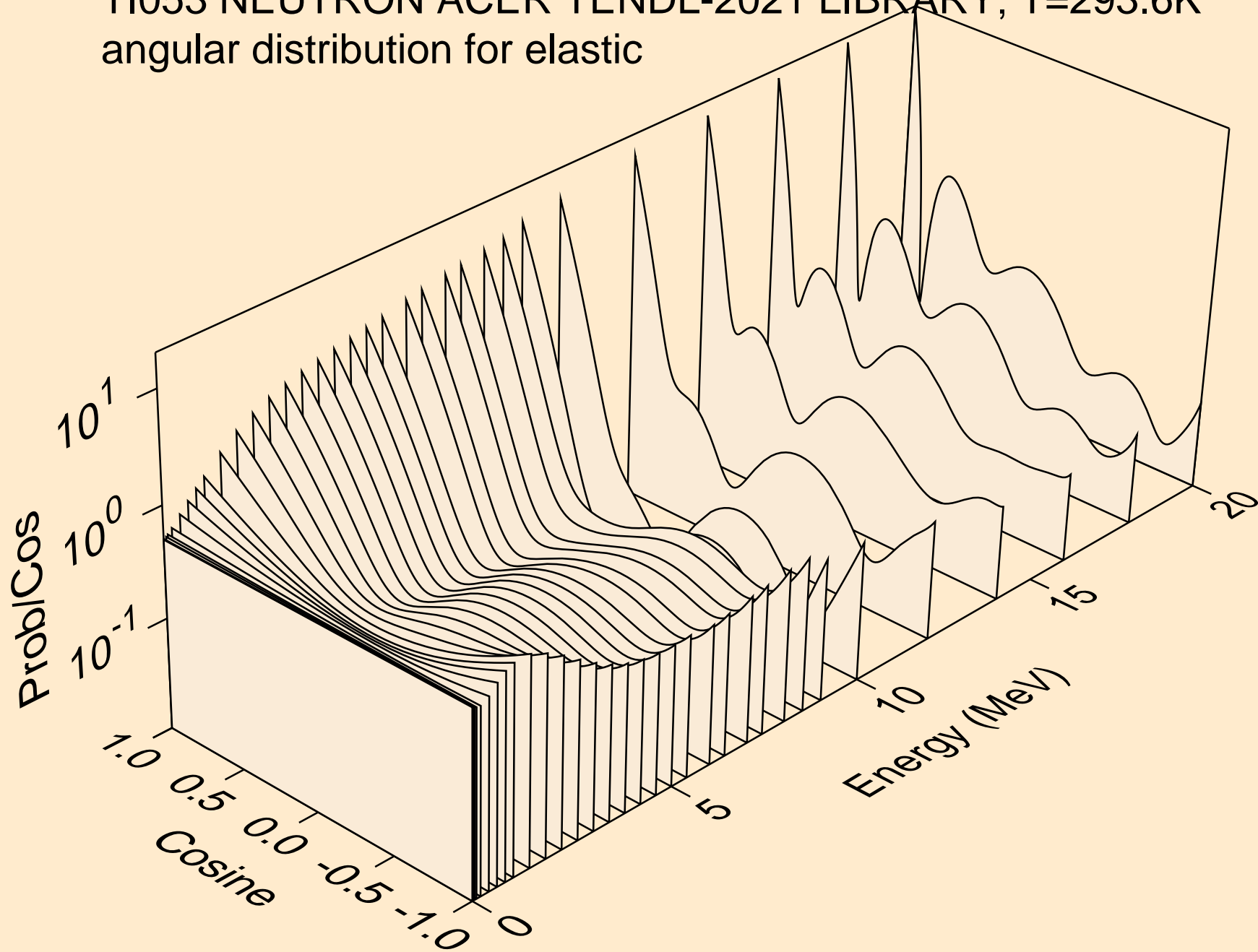
TI053 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



TI053 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions

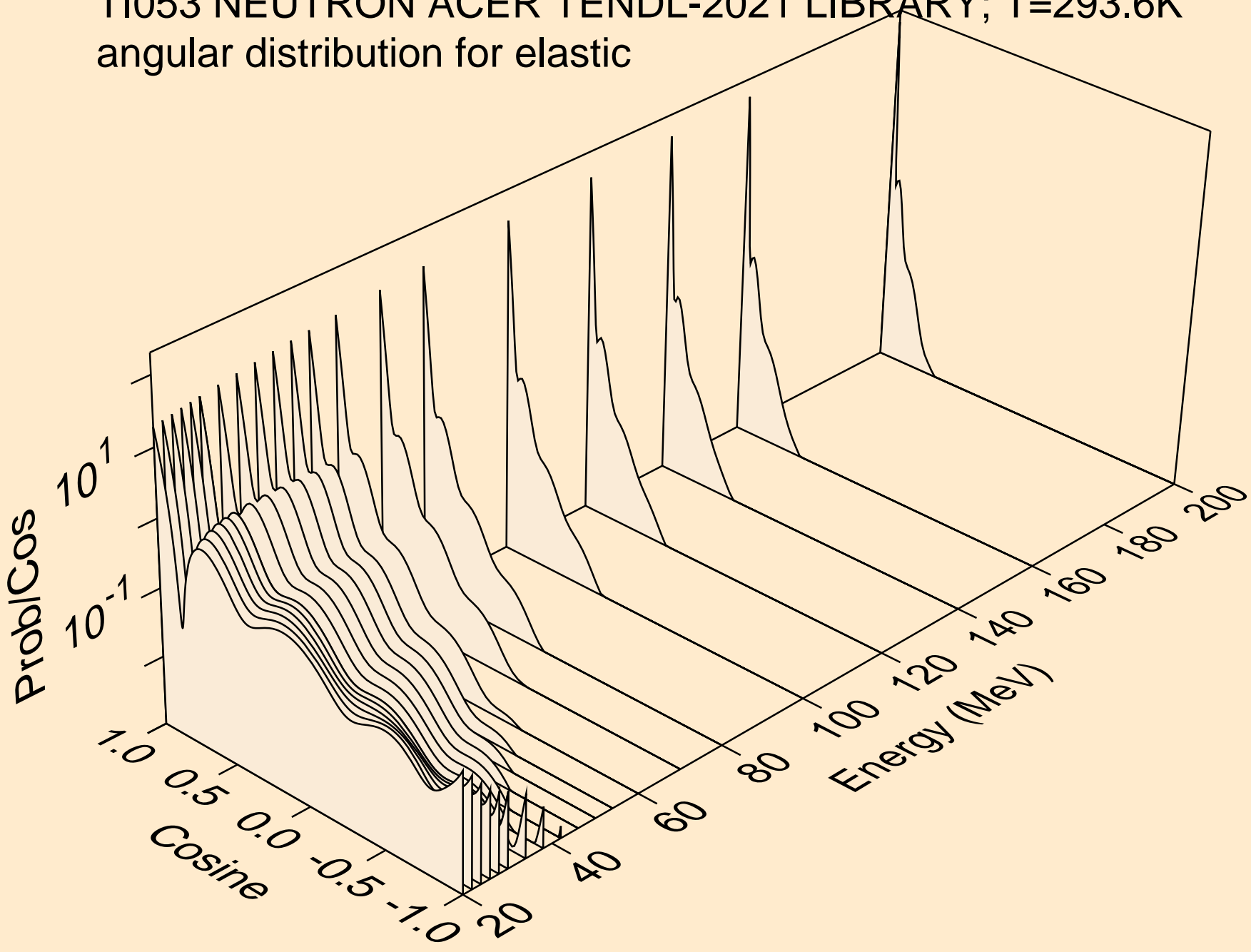


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angular distribution for elastic

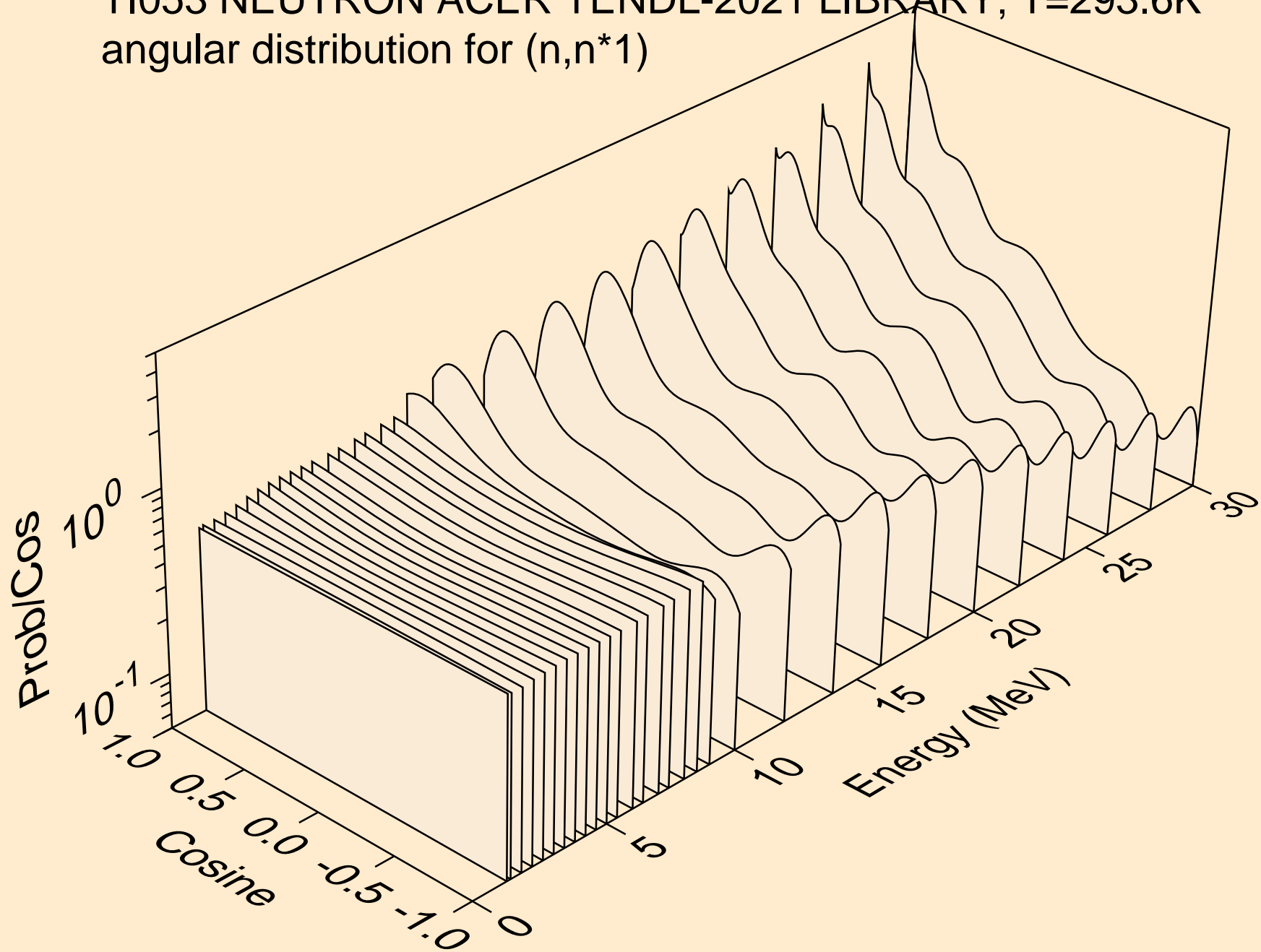




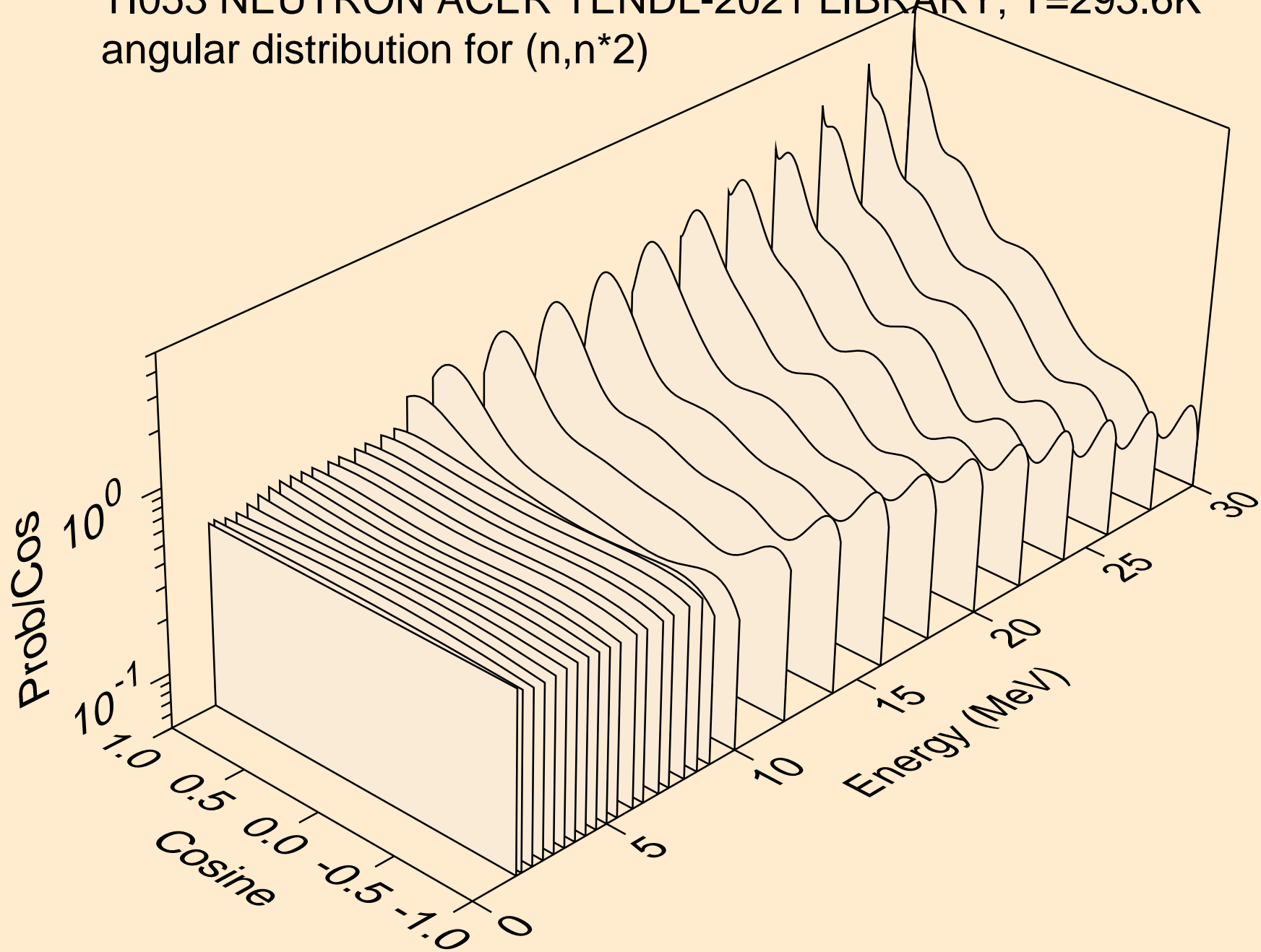
TI053 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for elastic



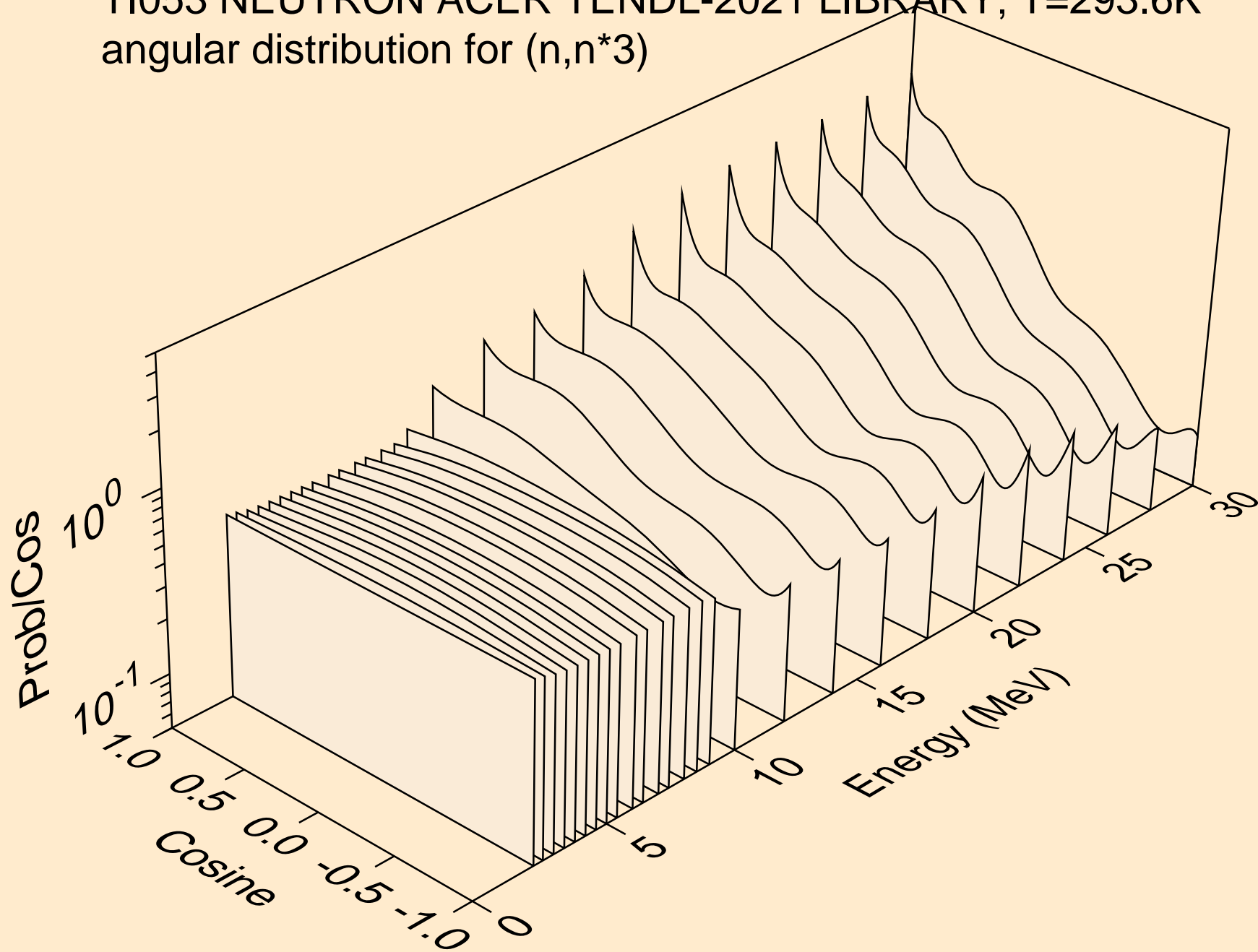
TI053 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*1)



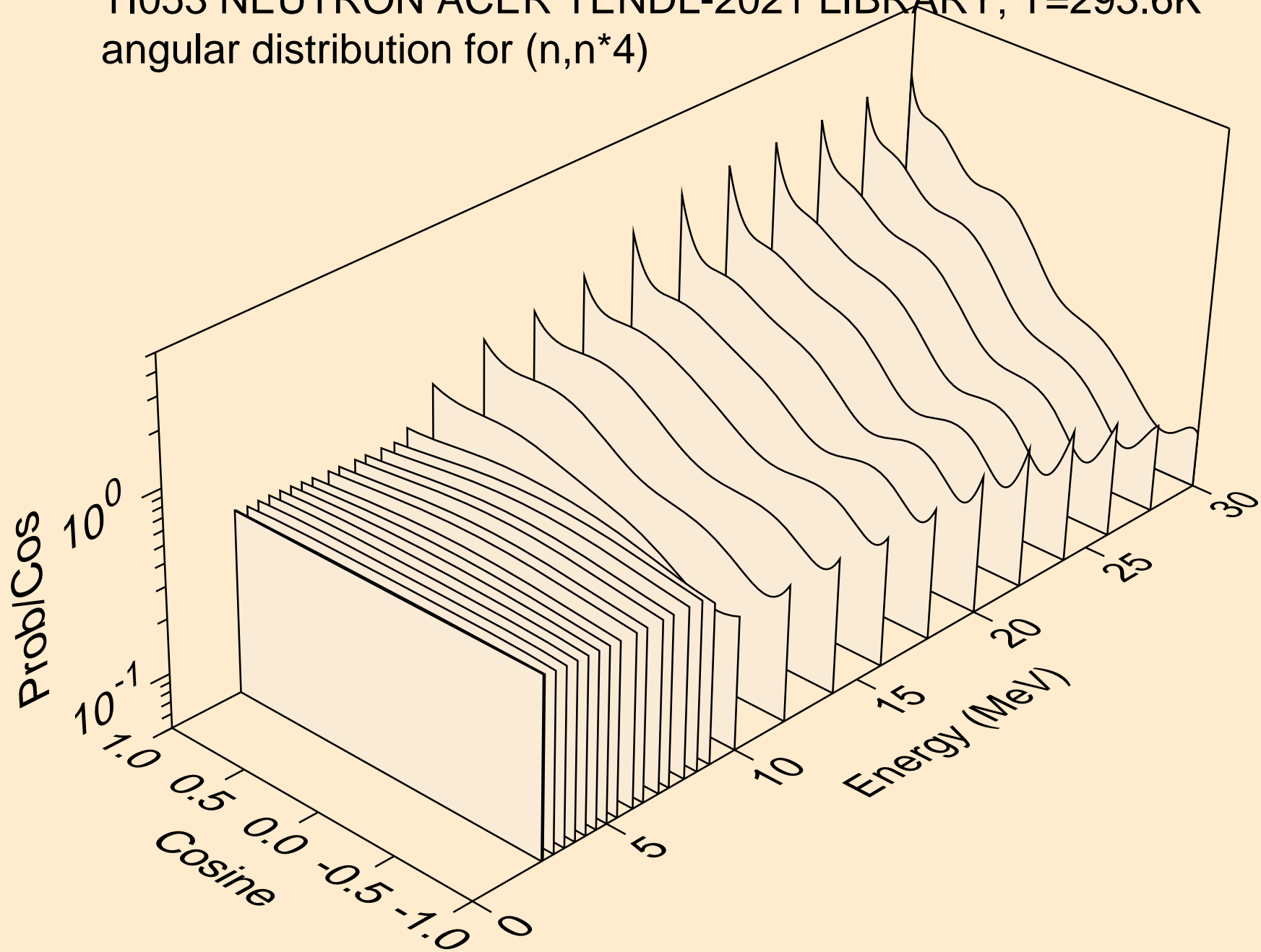
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angular distribution for (n,n\*2)



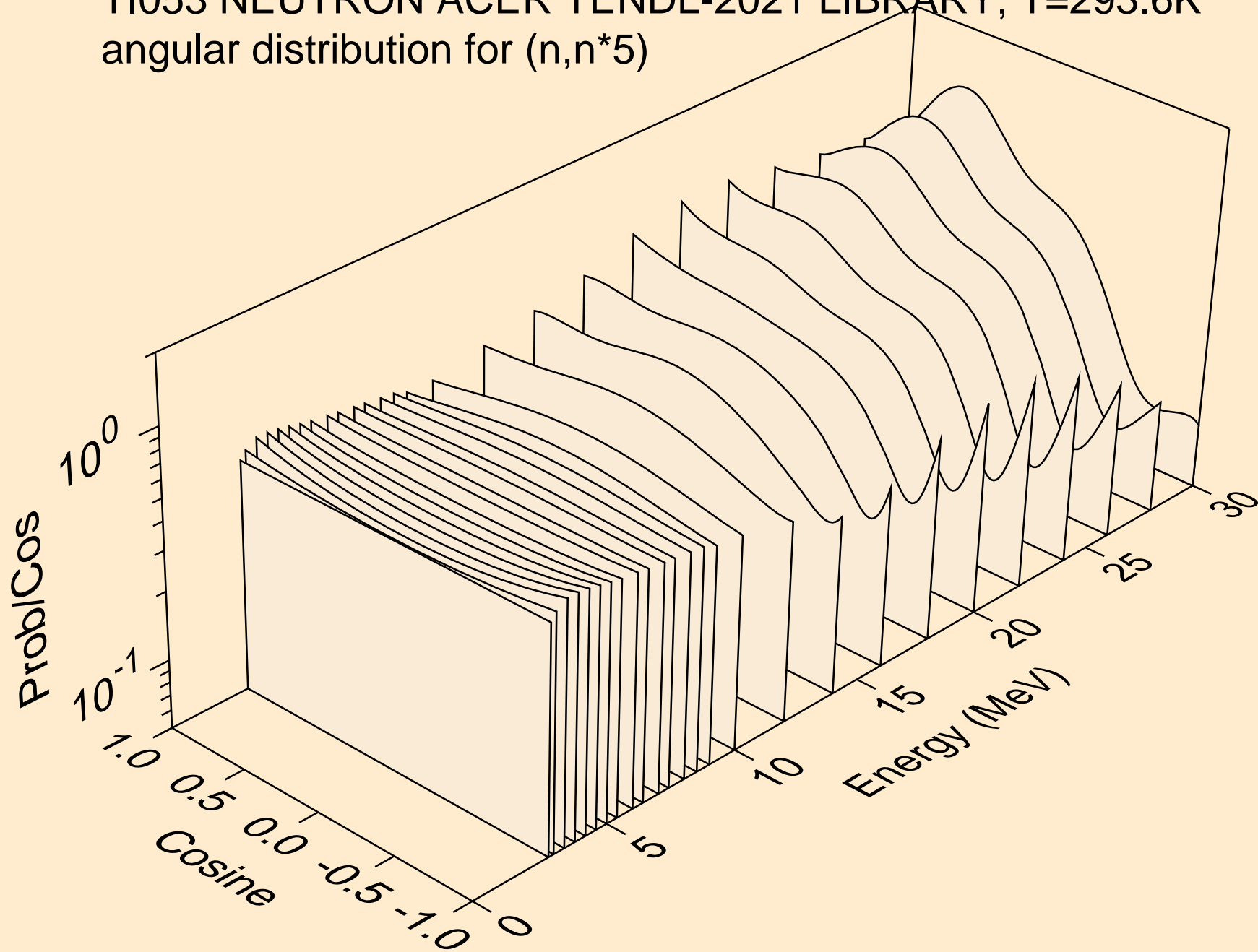
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angular distribution for (n,n\*3)



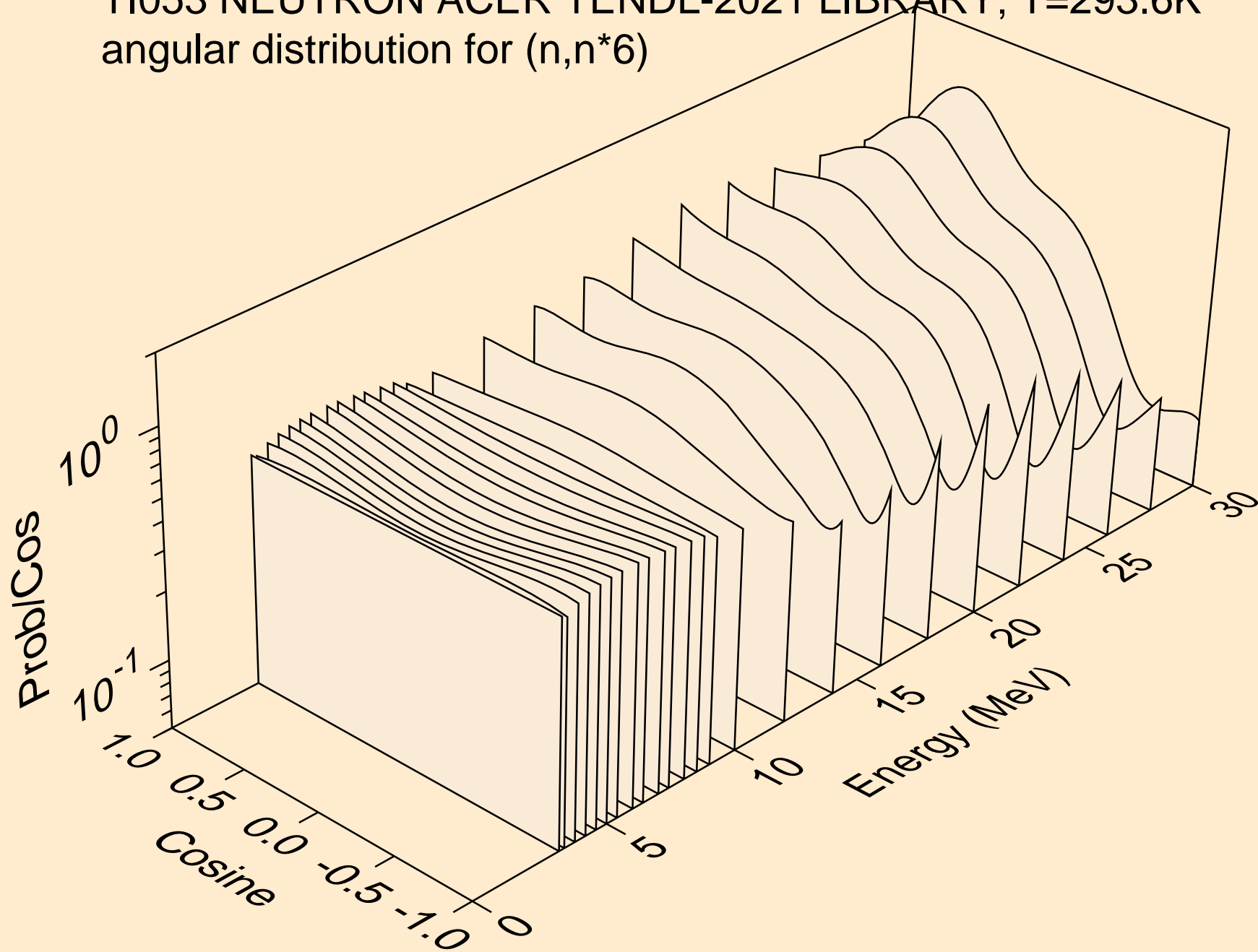
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angular distribution for (n,n\*4)



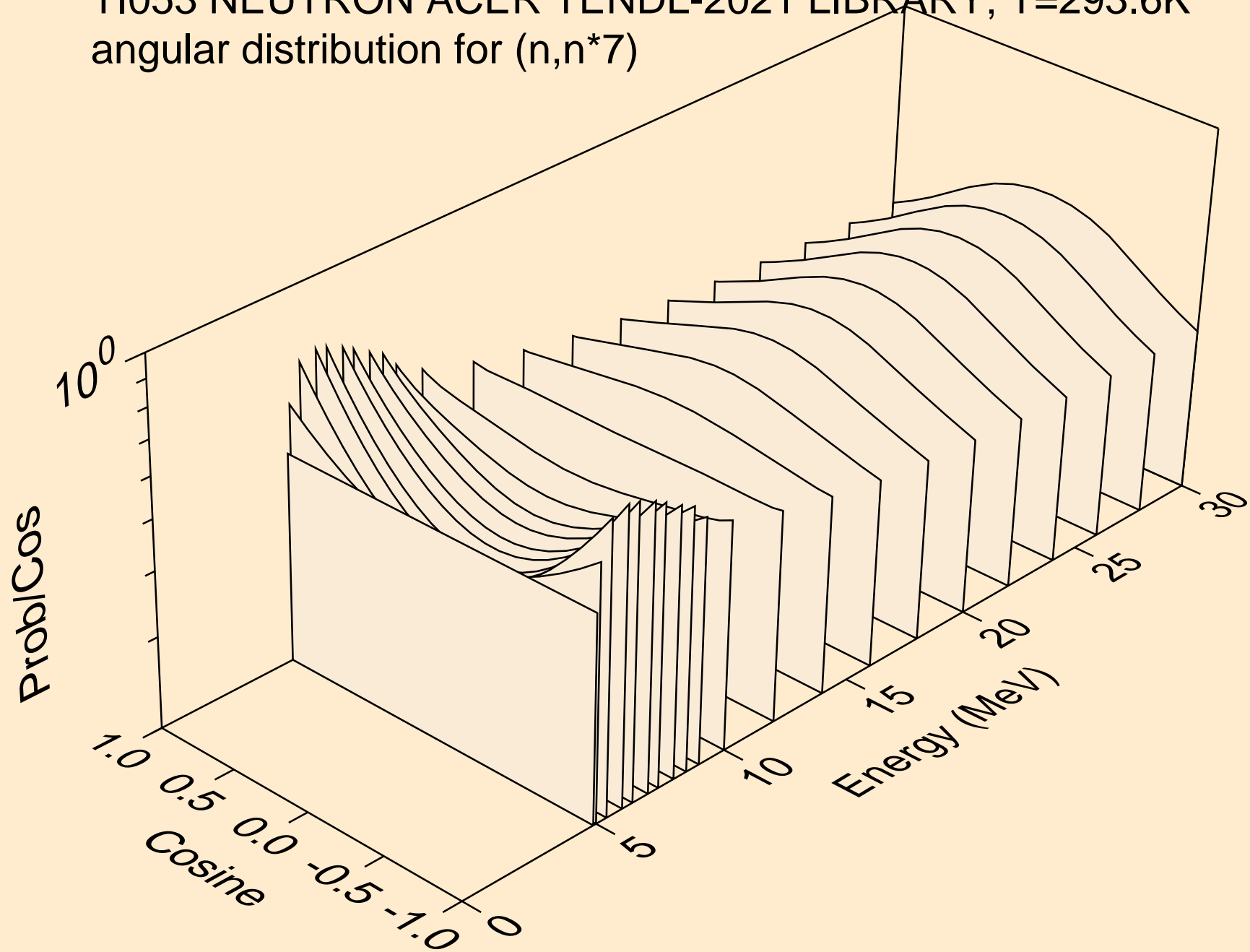
TI053 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*5)



TI053 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*6)

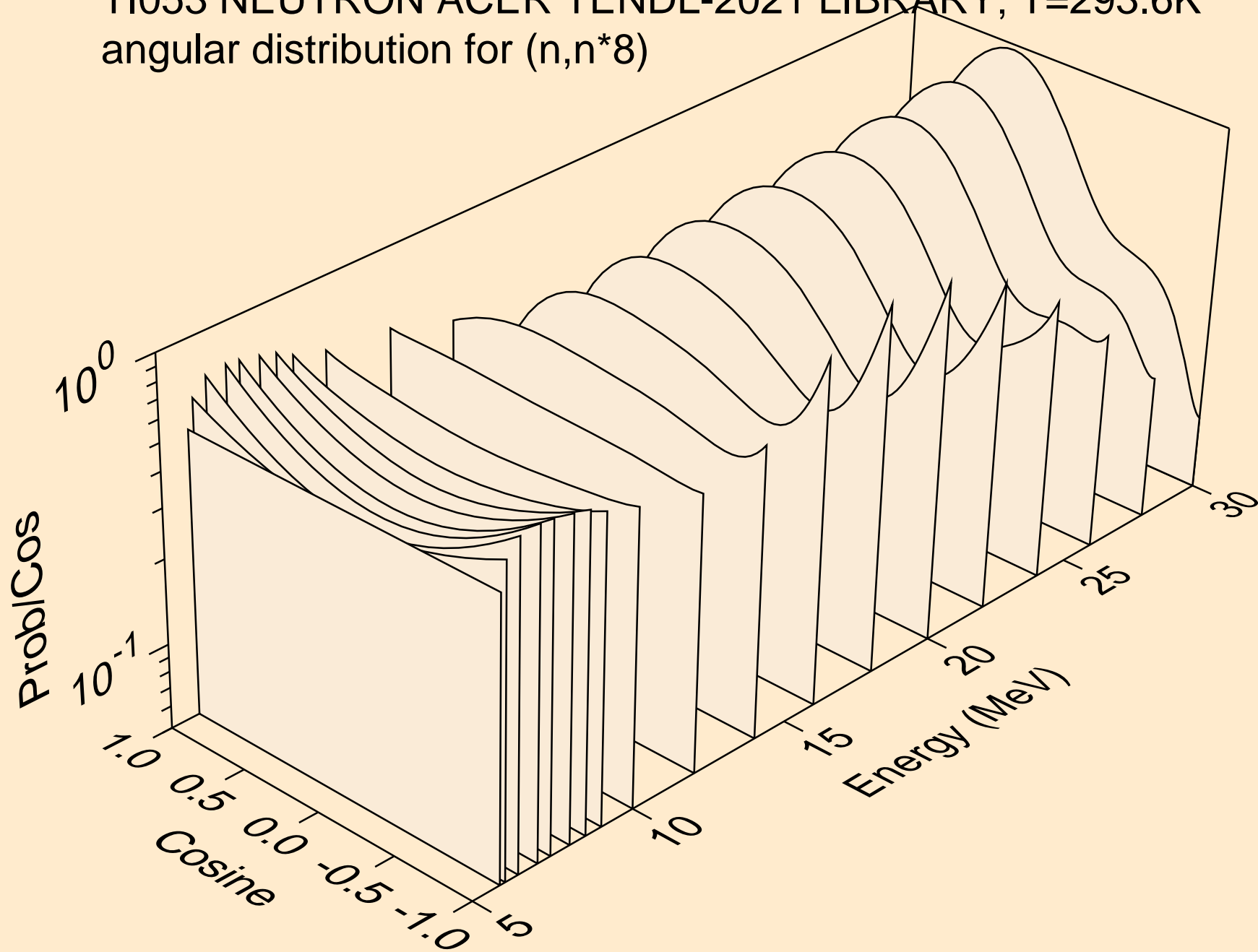


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angular distribution for (n,n\*7)

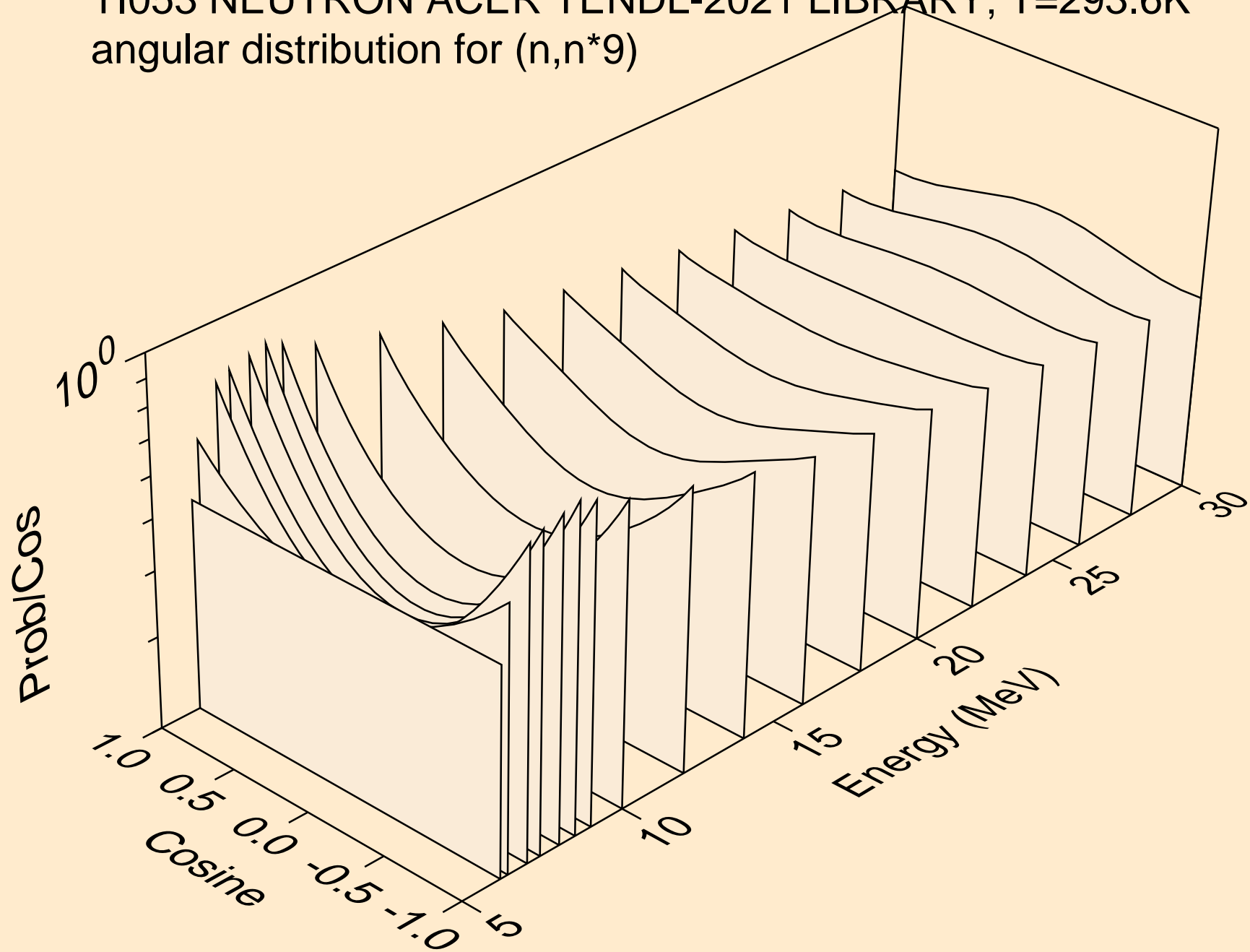




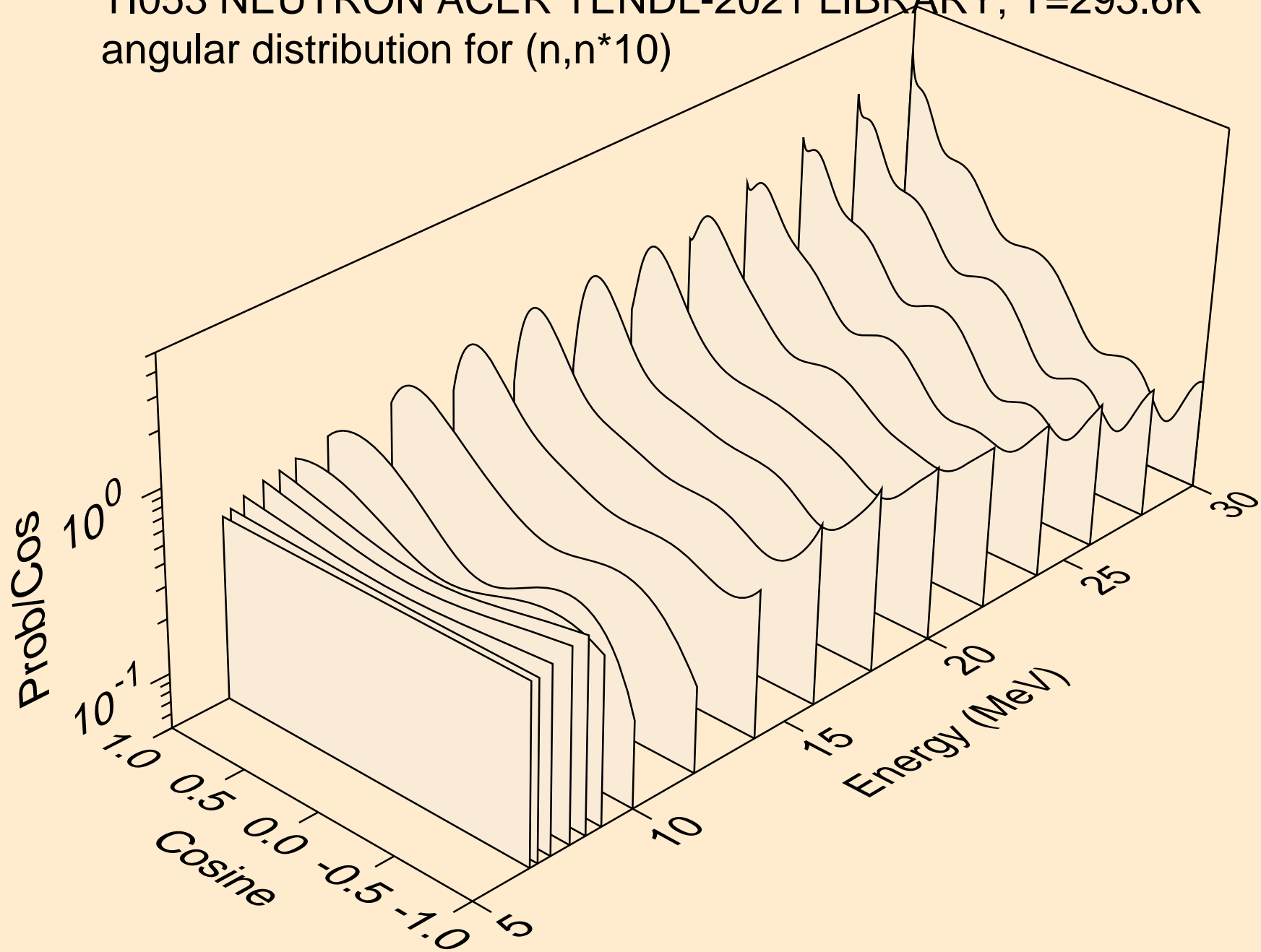
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angular distribution for (n,n\*8)



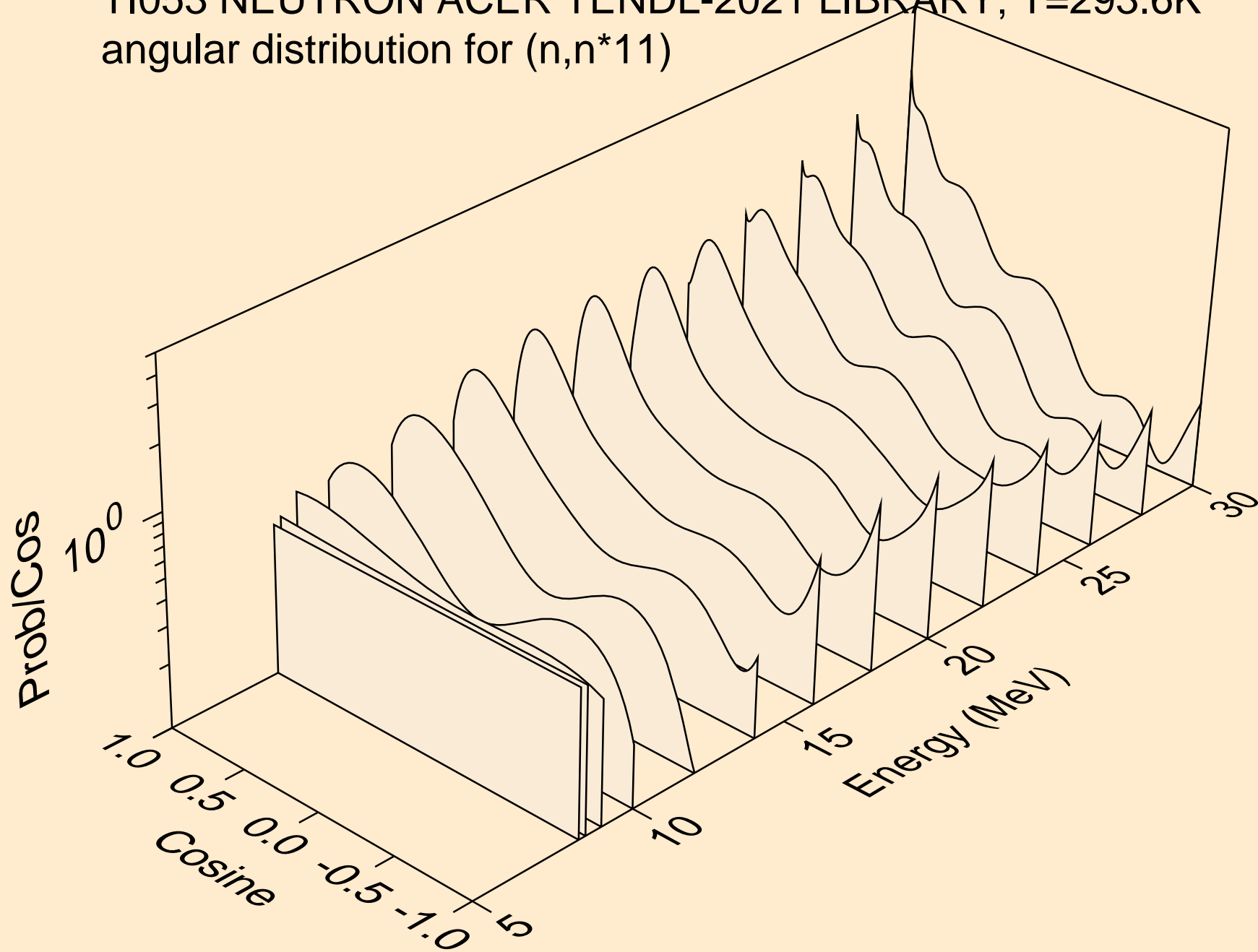
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angular distribution for (n,n\*9)



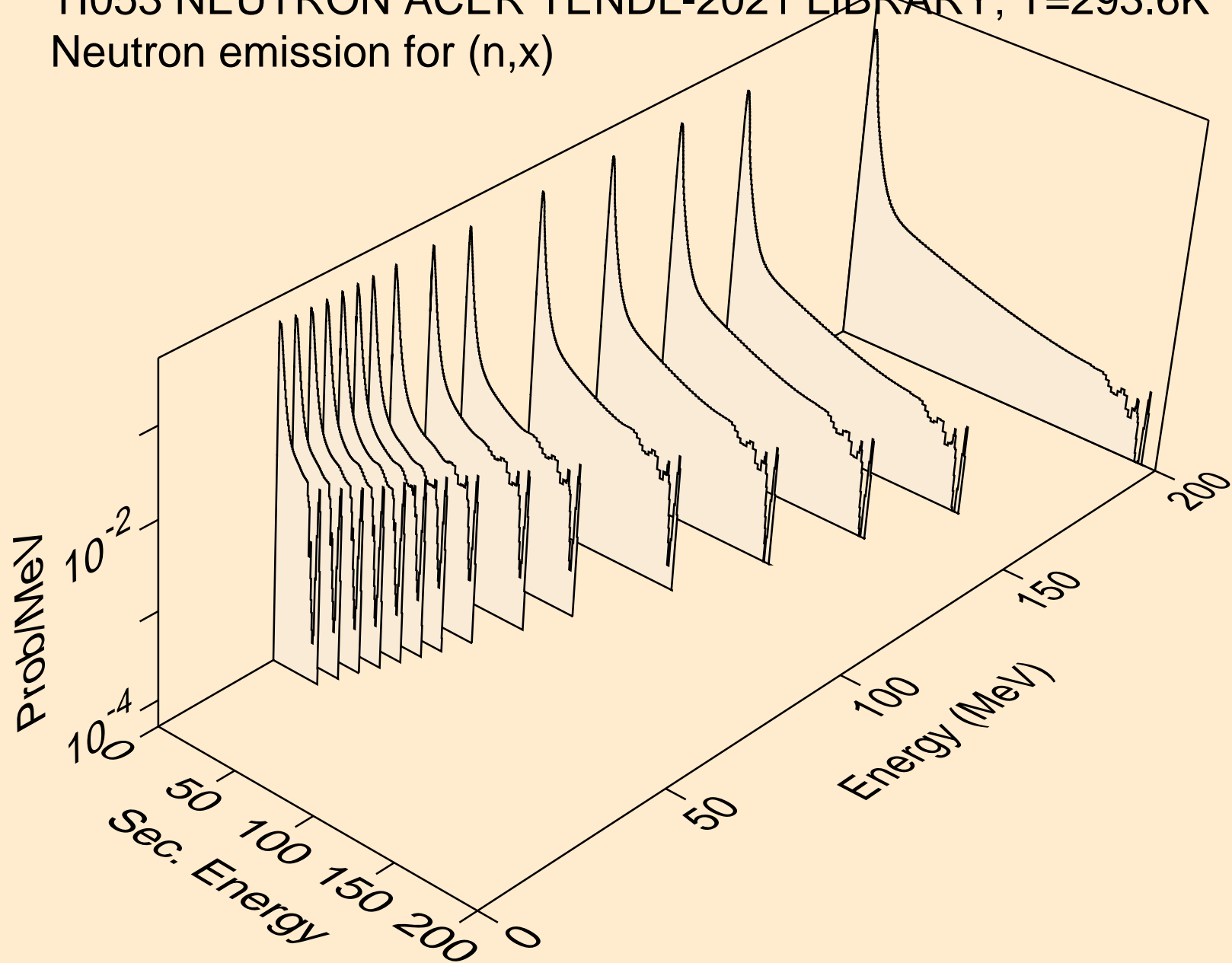
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angular distribution for (n,n\*10)



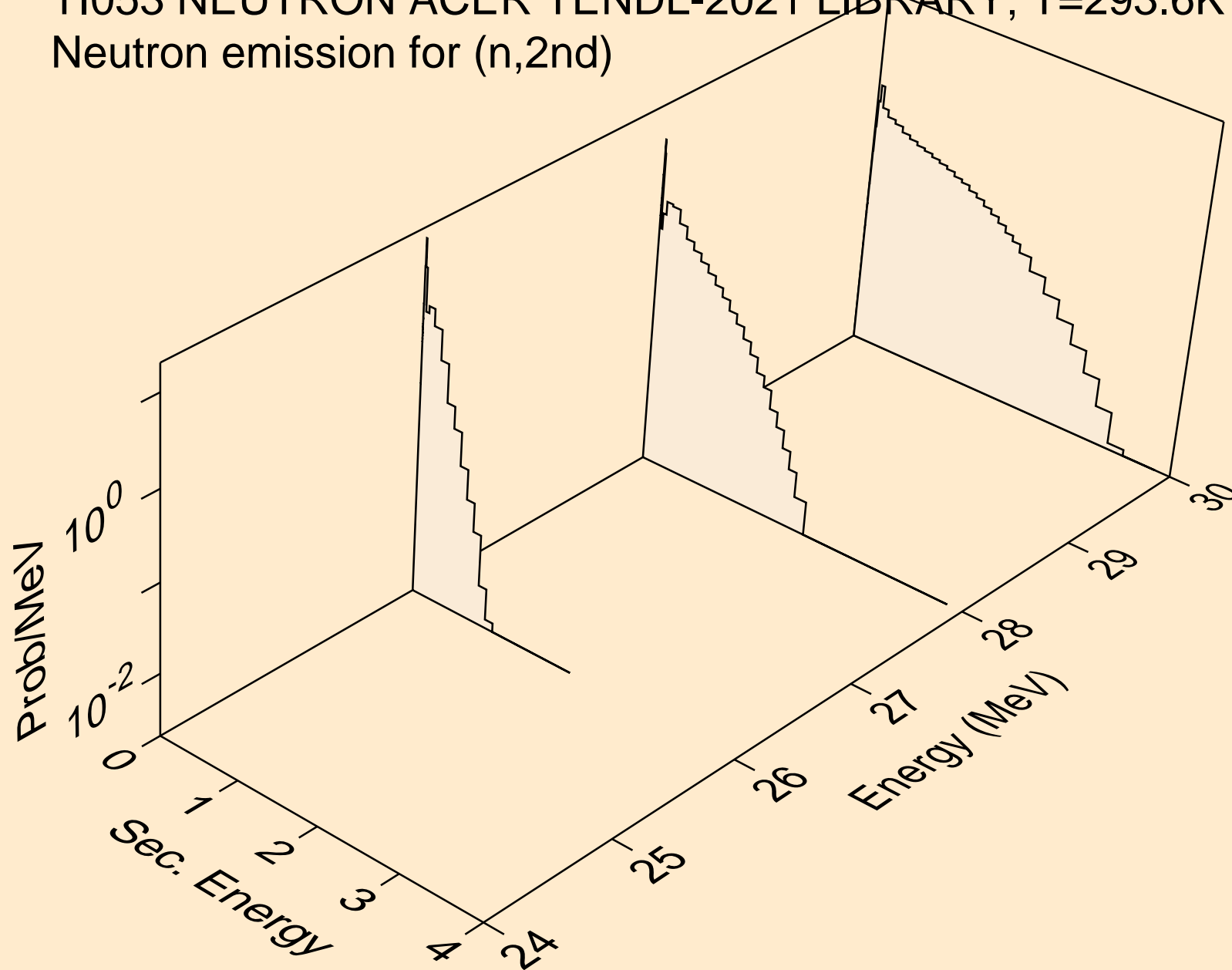
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angular distribution for (n,n\*11)



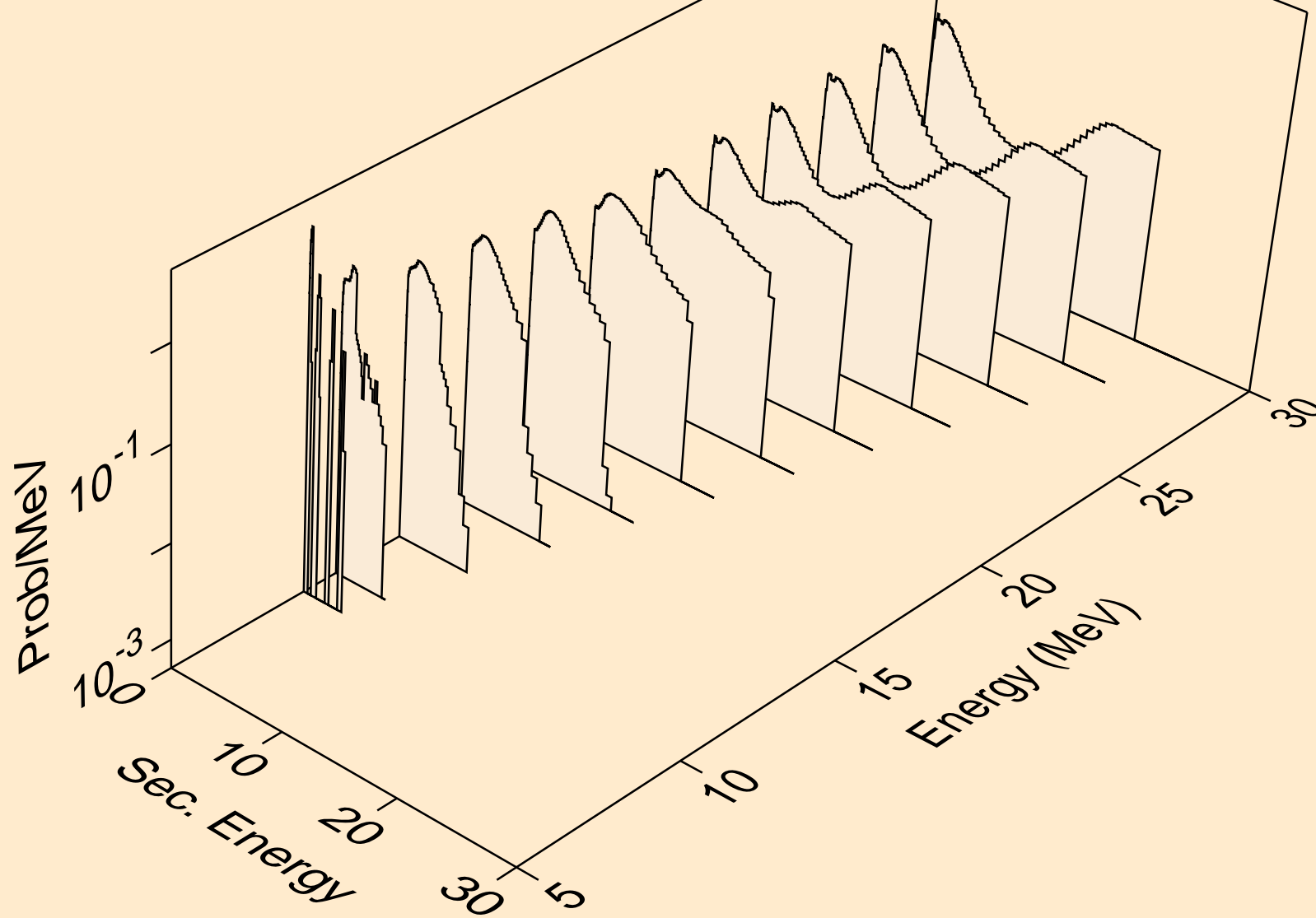
TI053 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,x)



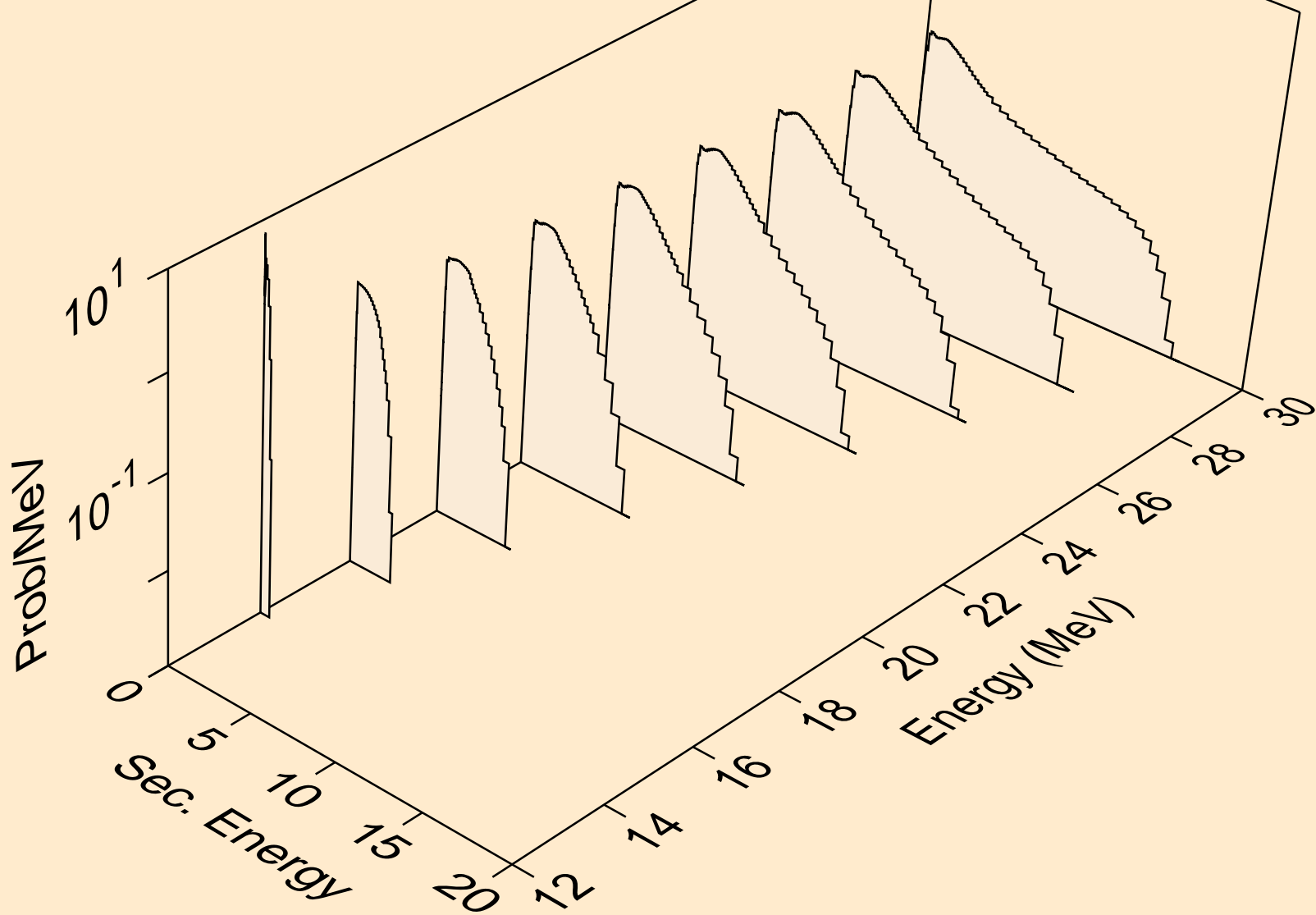
TI053 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2nd)



TI053 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)

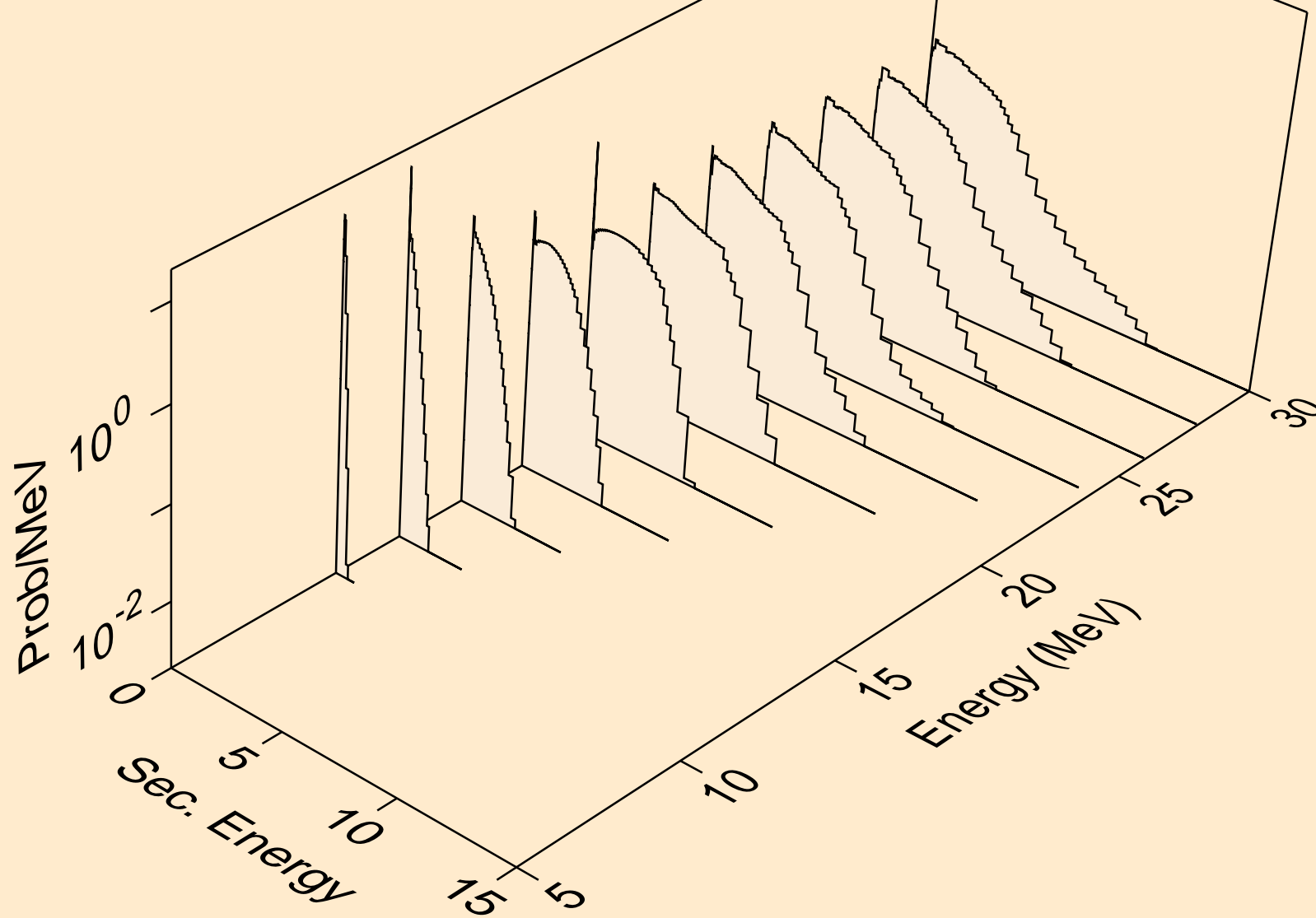


TI053 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3n)

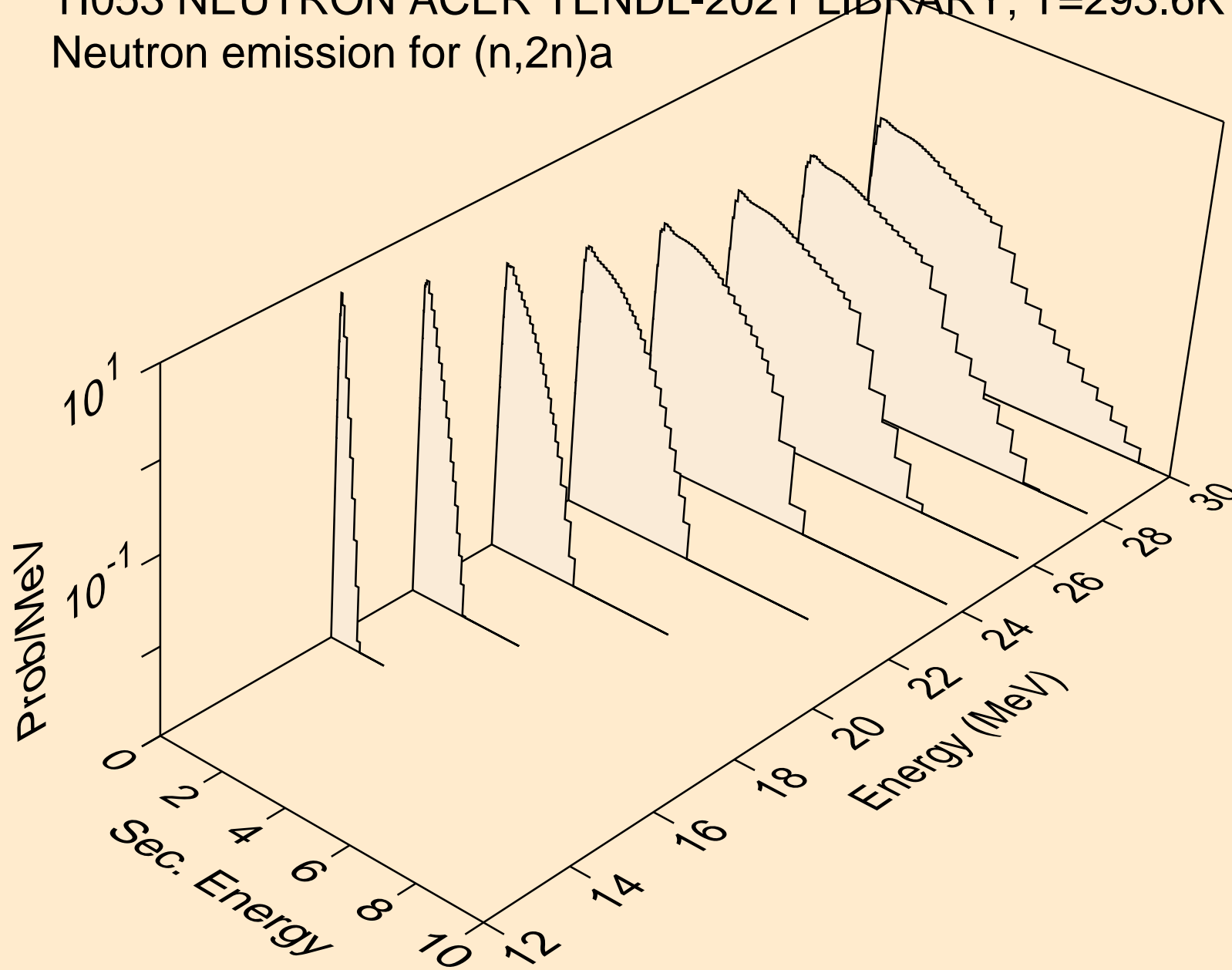




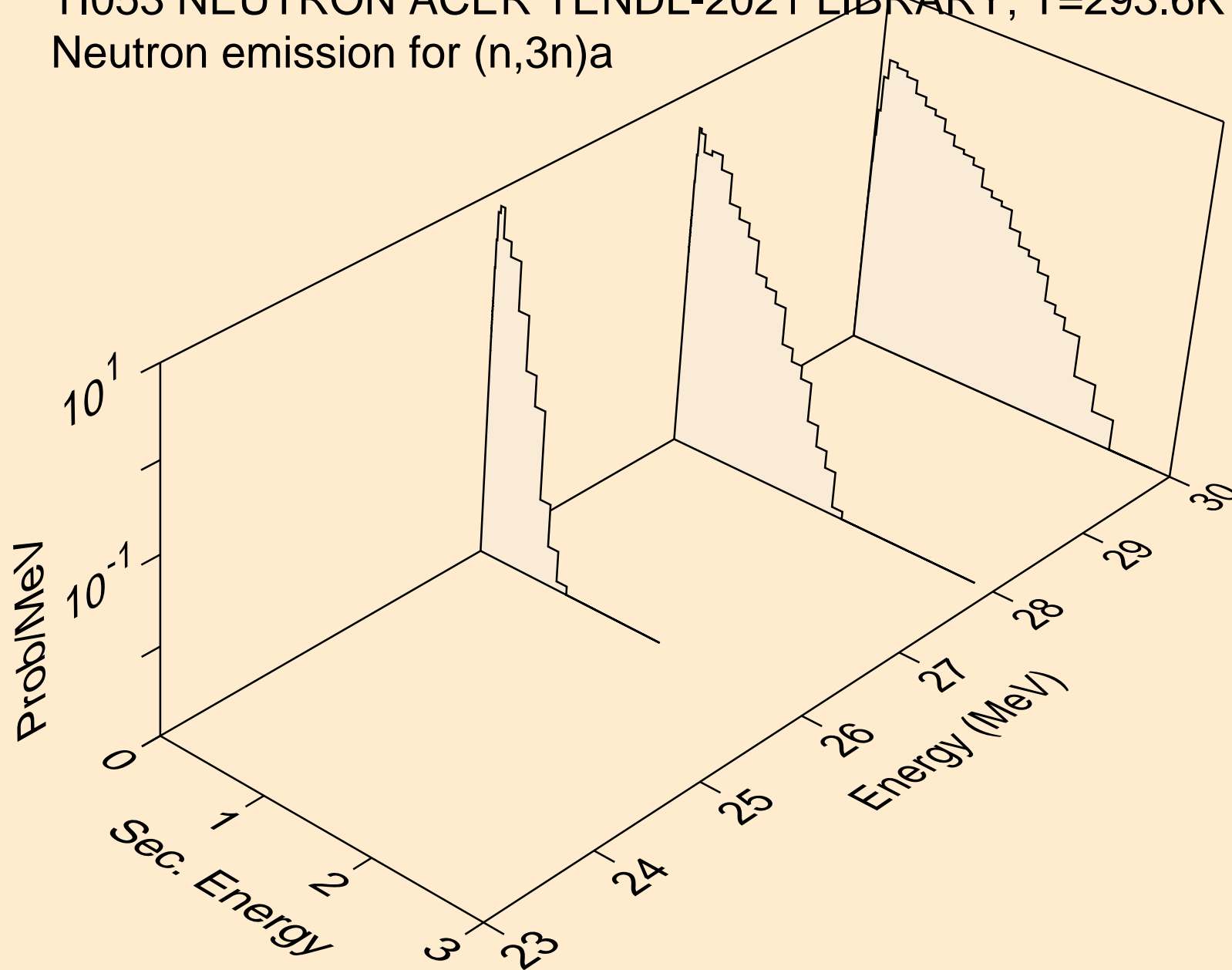
TI053 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)a



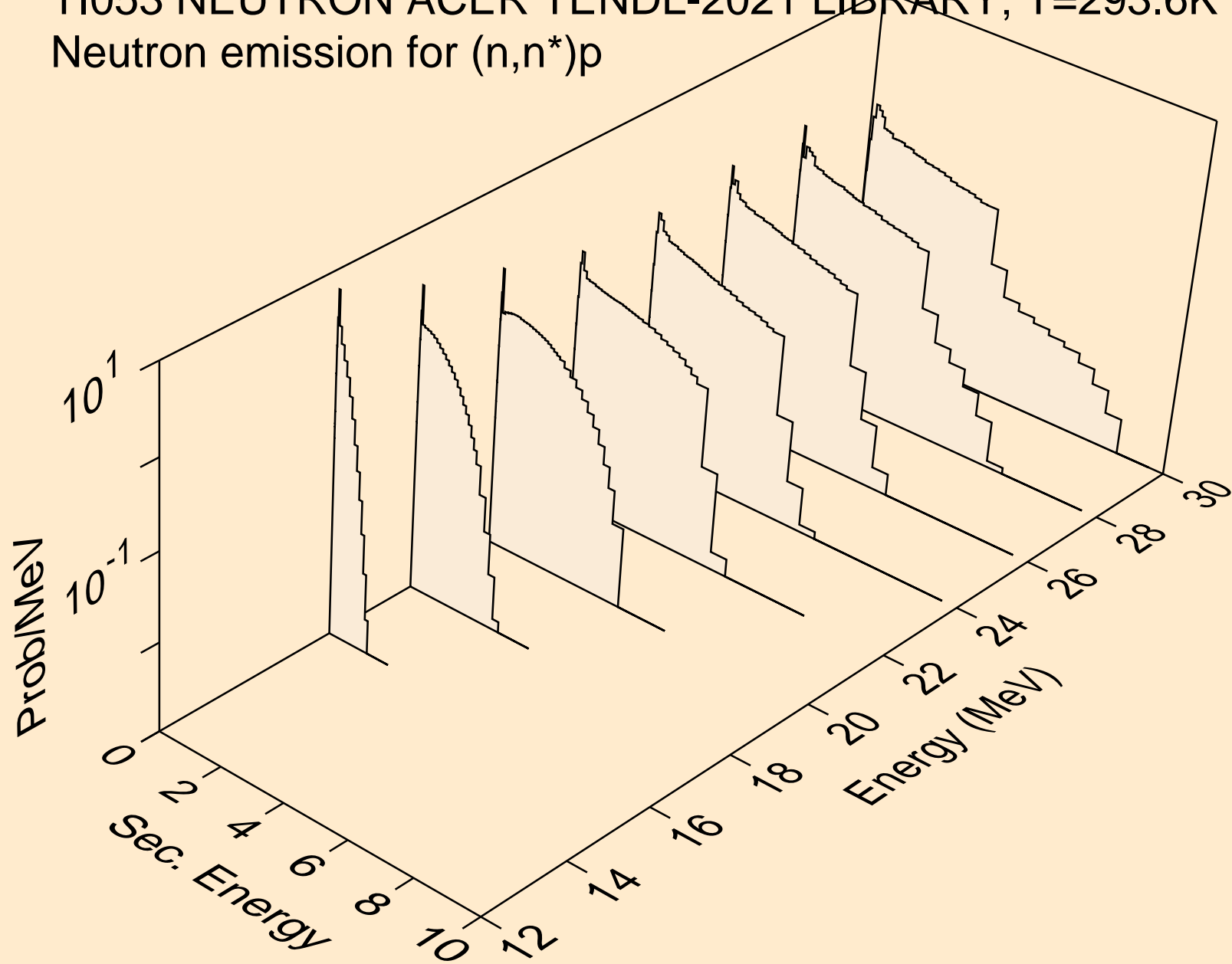
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Neutron emission for (n,2n)a



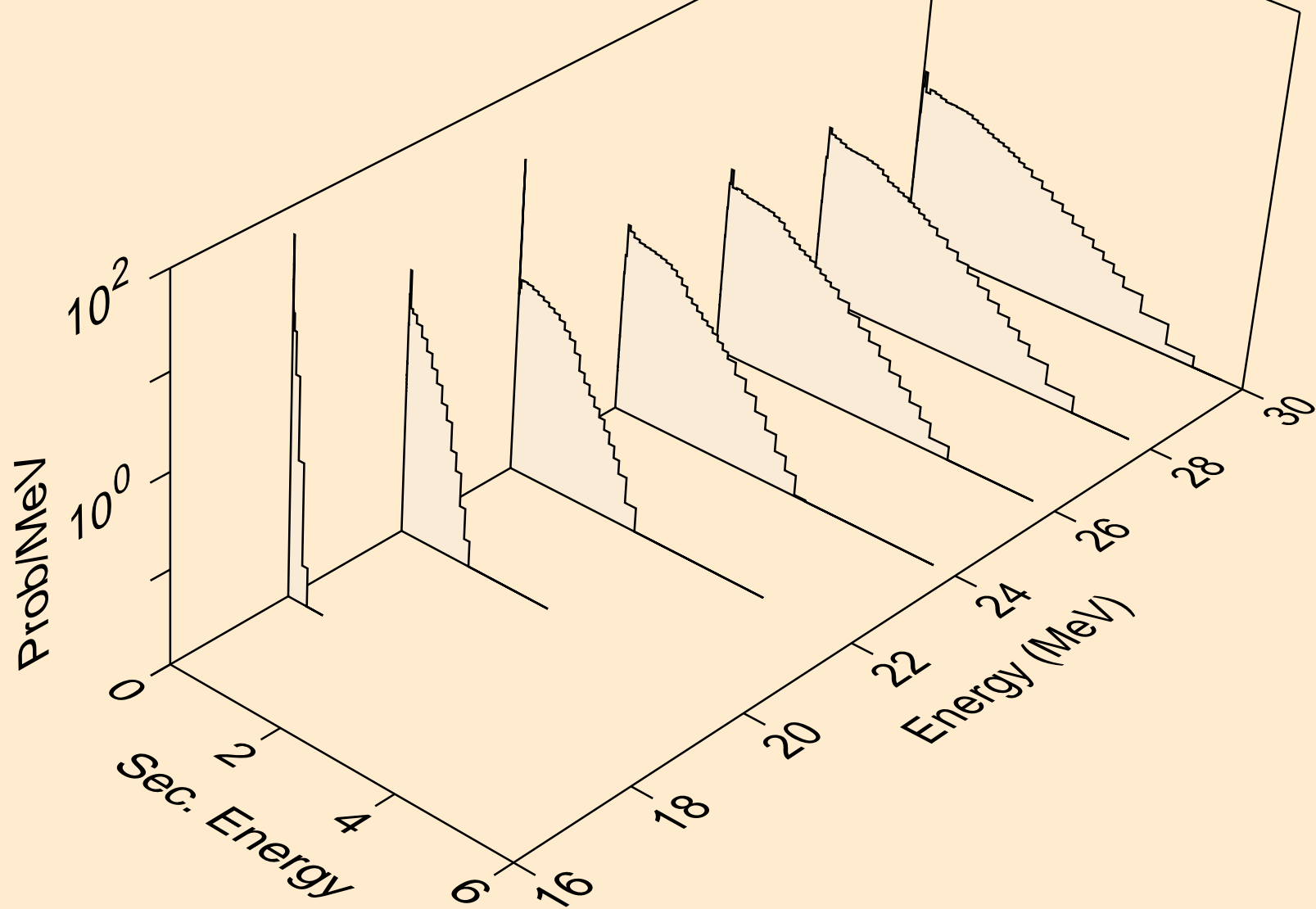
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Neutron emission for (n,3n)a



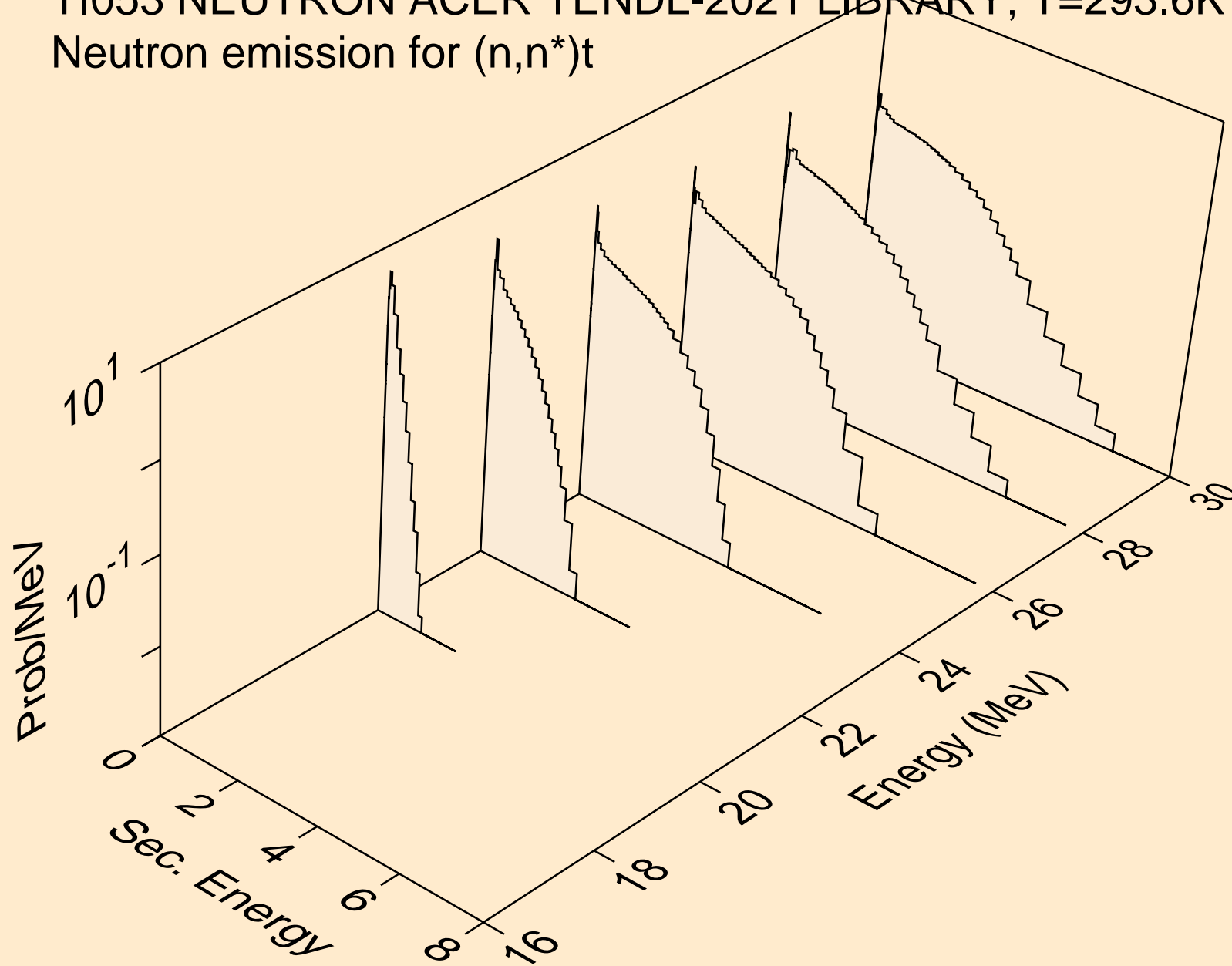
TI053 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)p



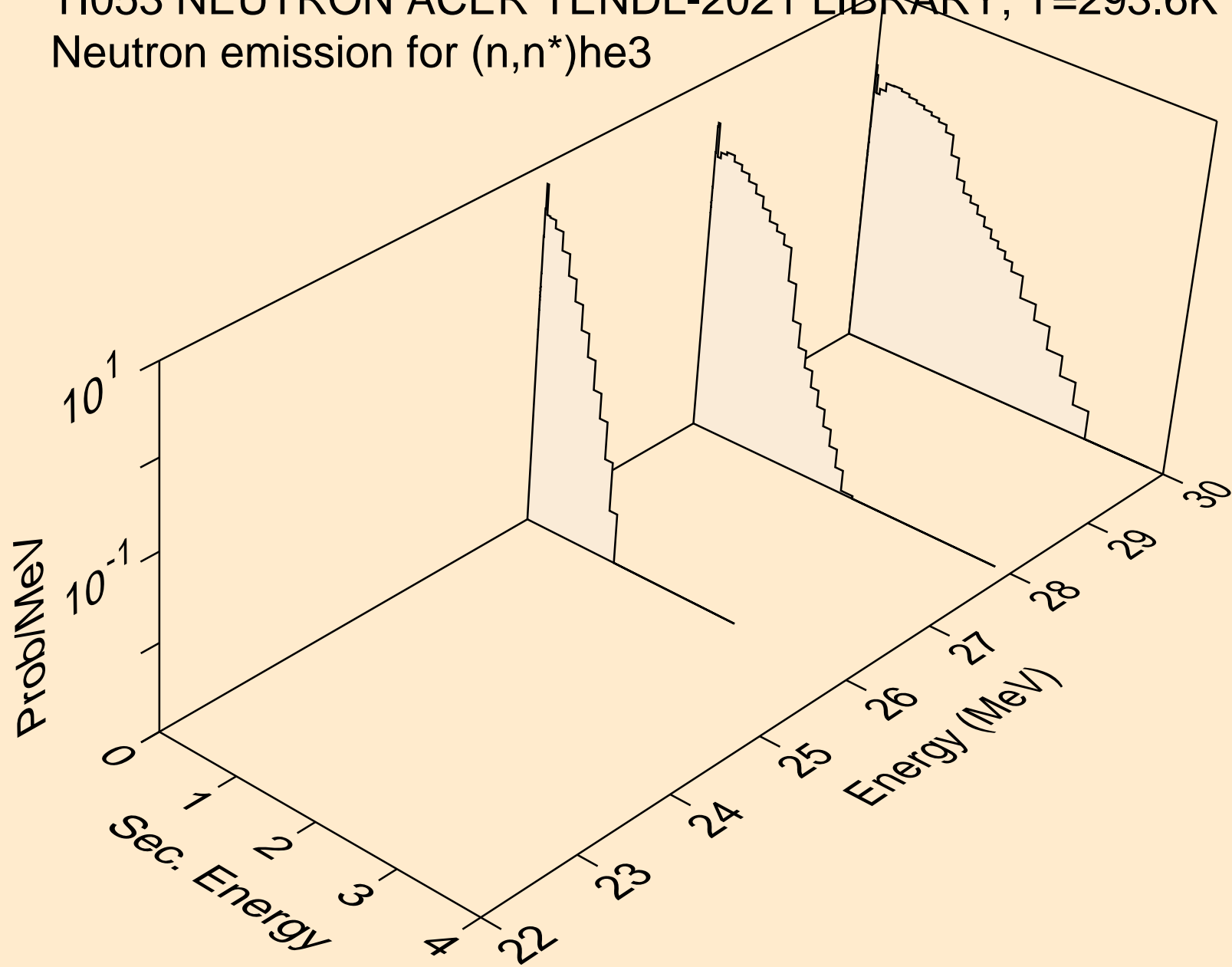
TI053 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)d



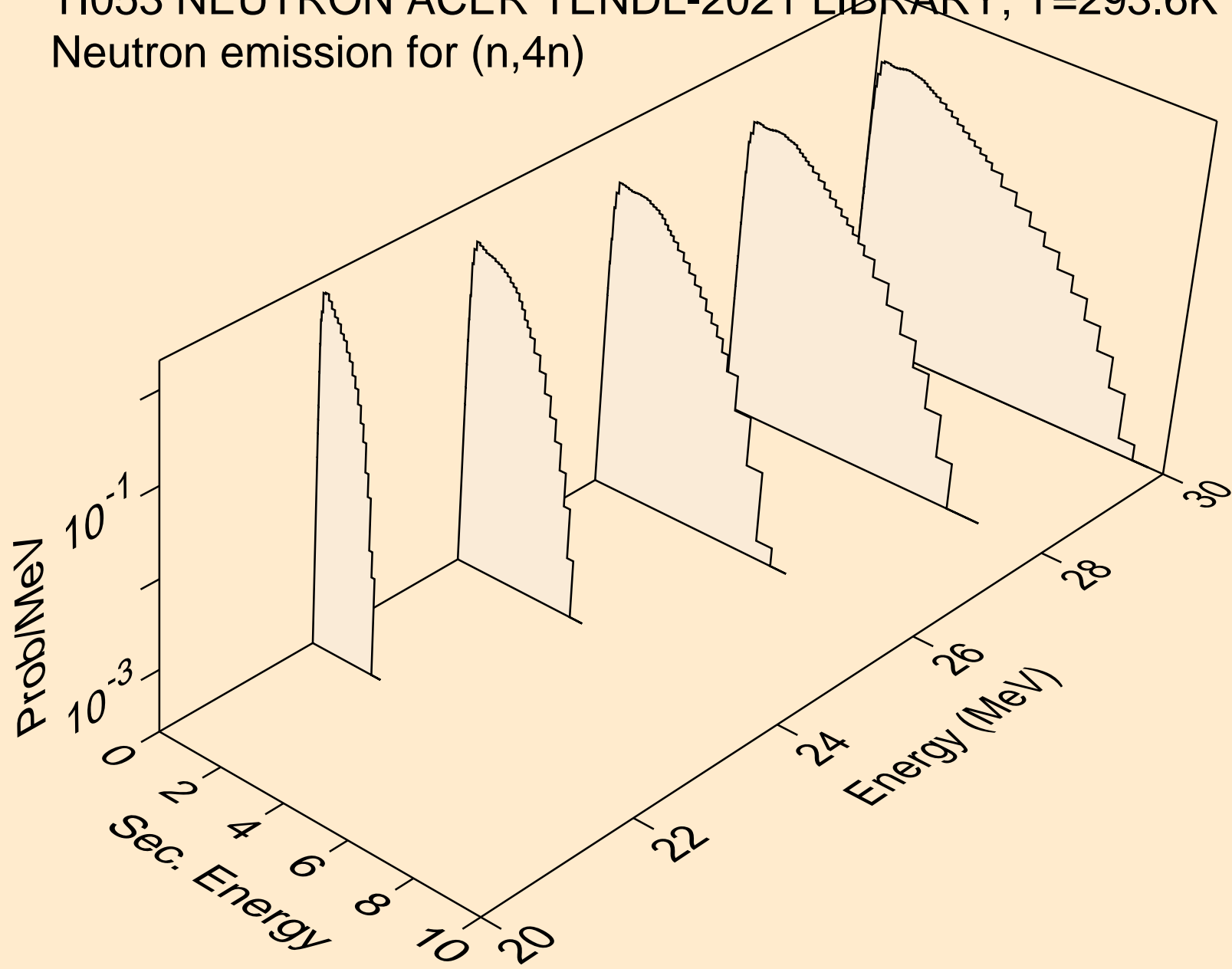
TI053 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)t



TI053 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)he3

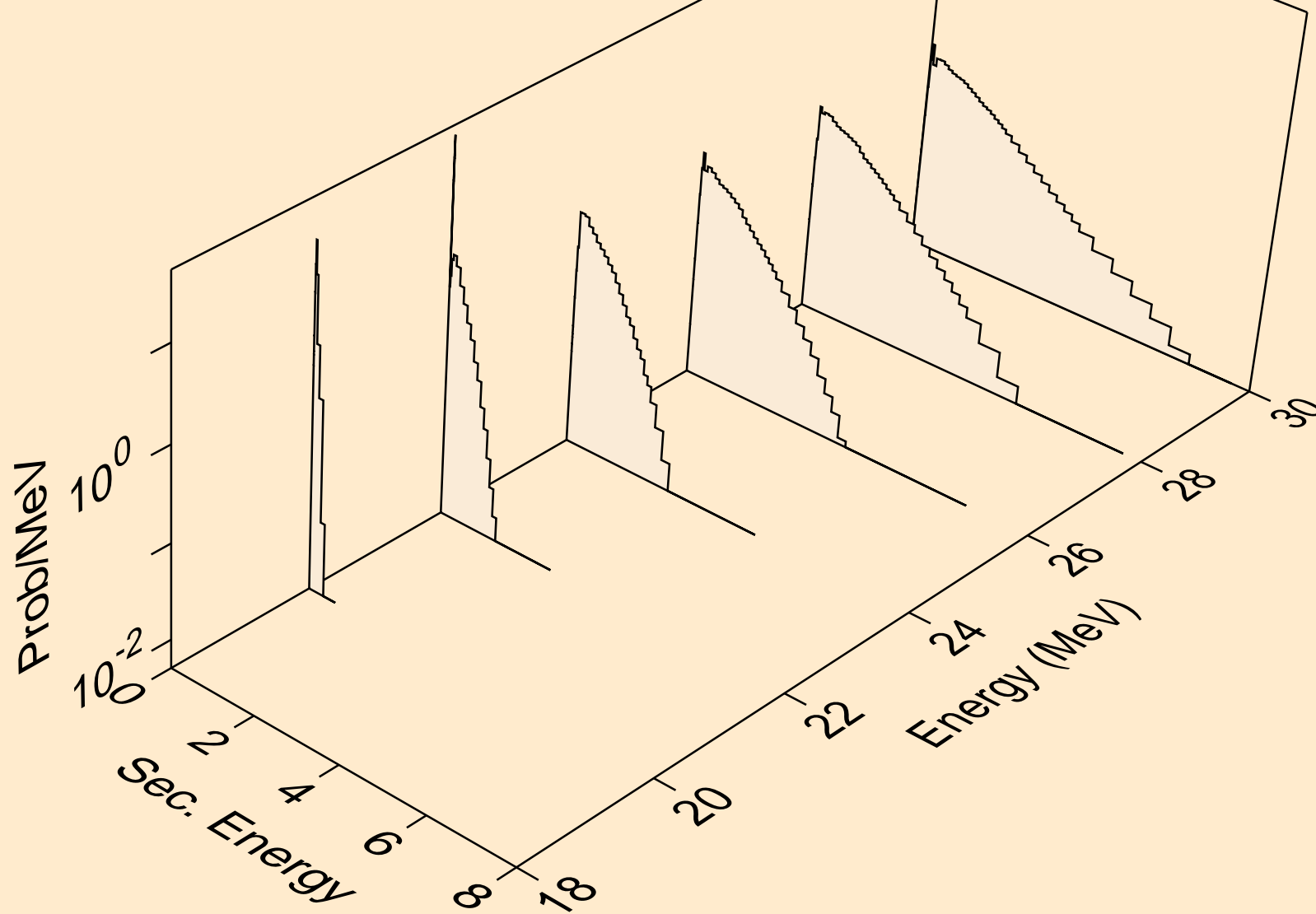


TI053 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,4n)

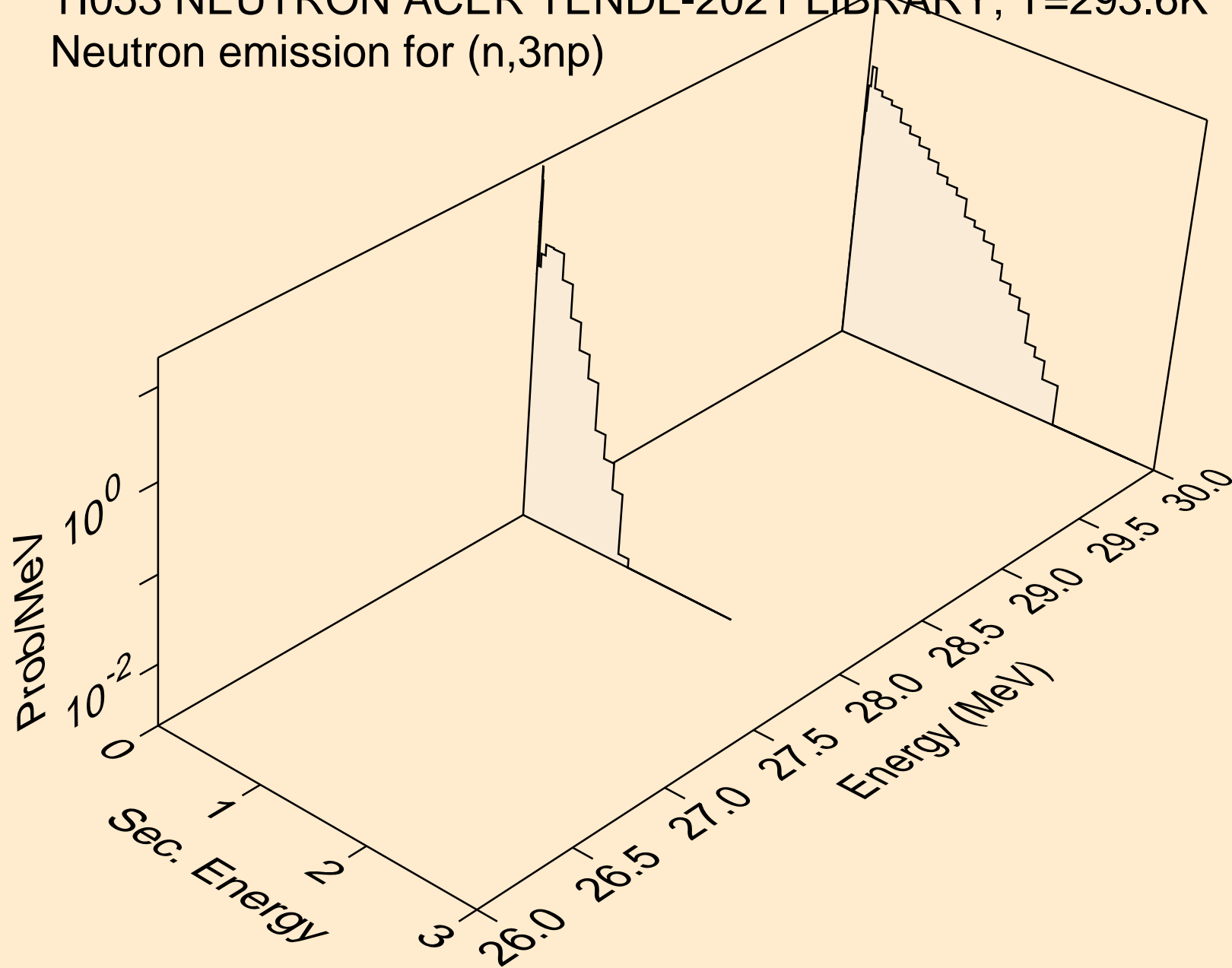




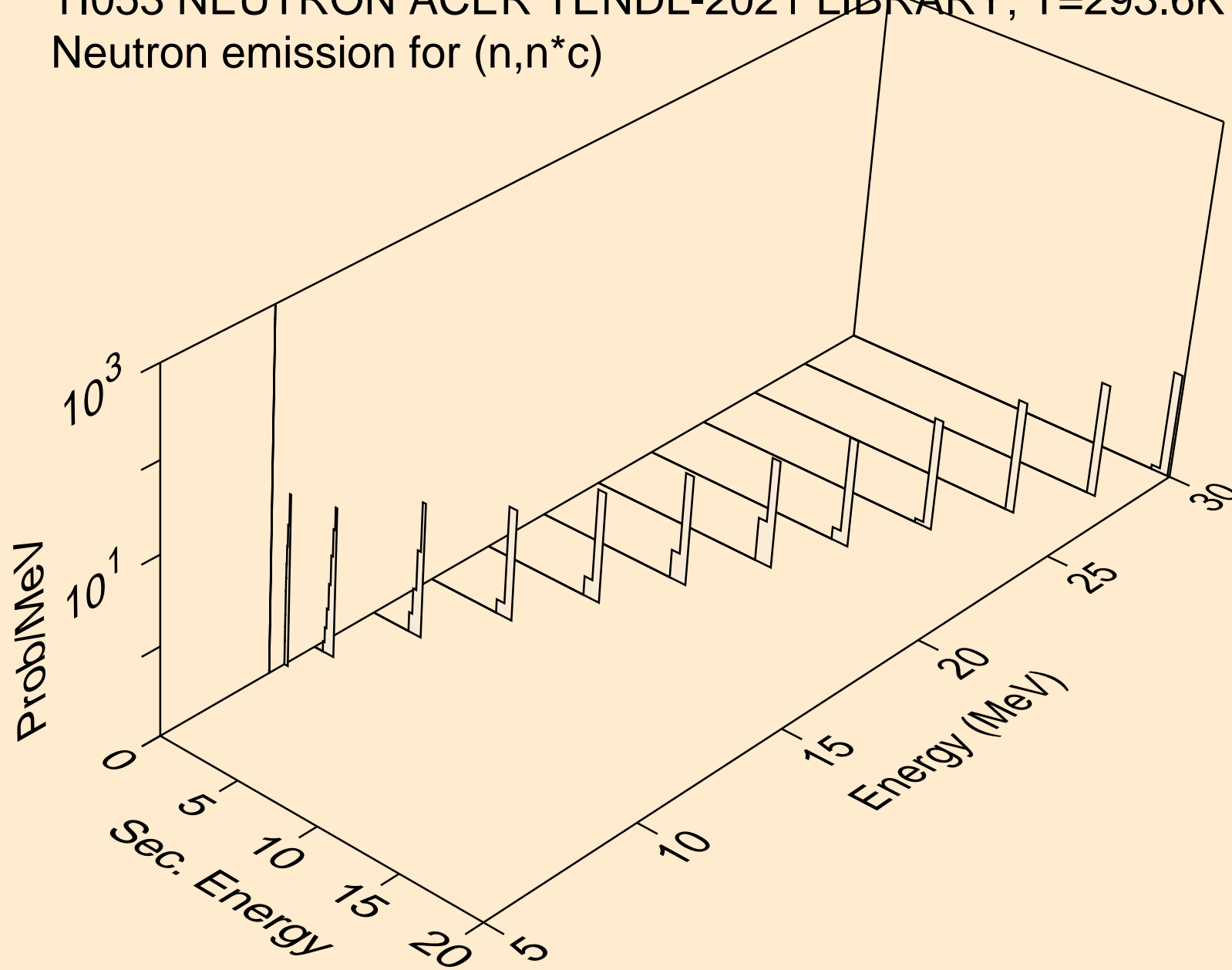
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Neutron emission for (n,2np)



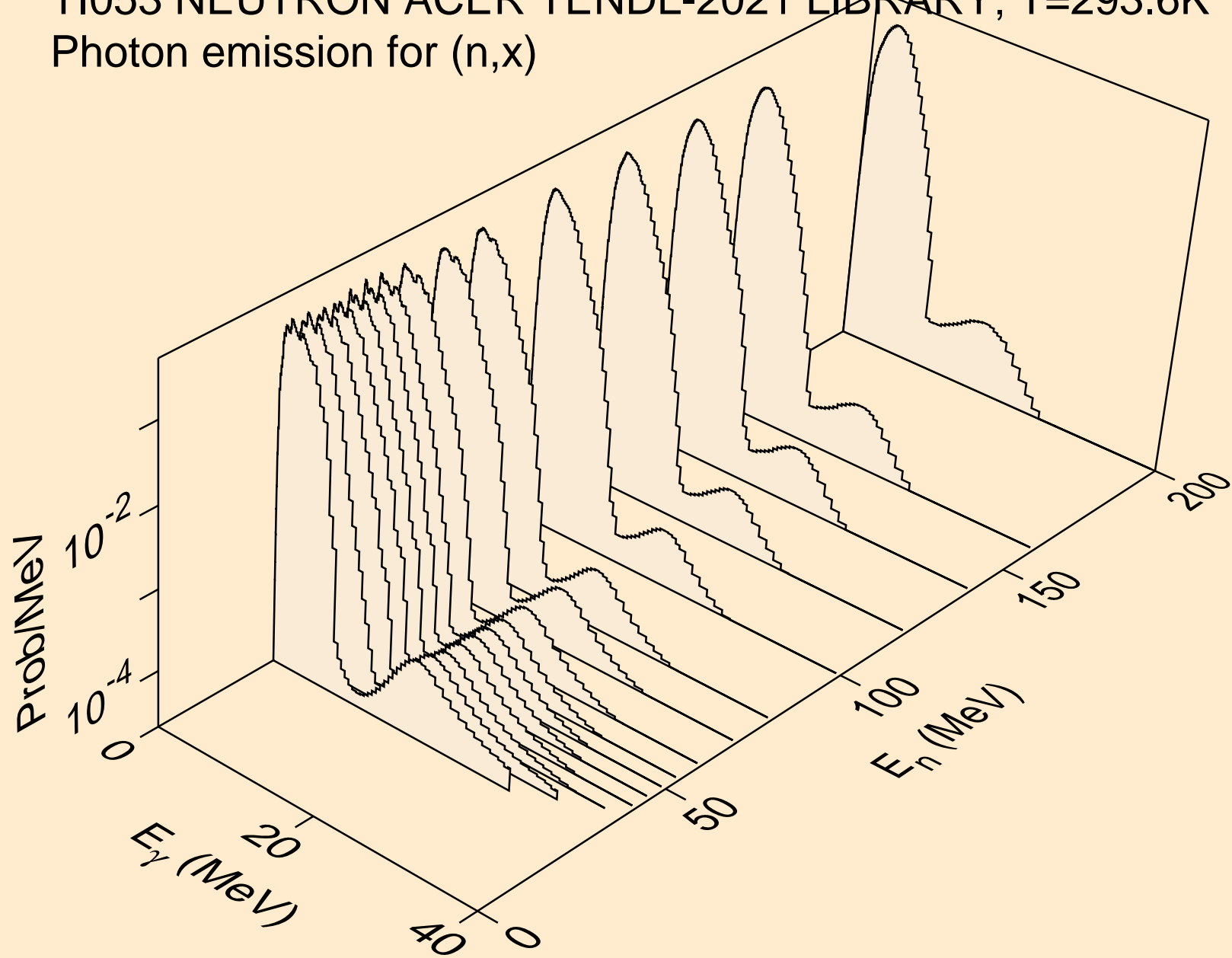
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Neutron emission for (n,3np)



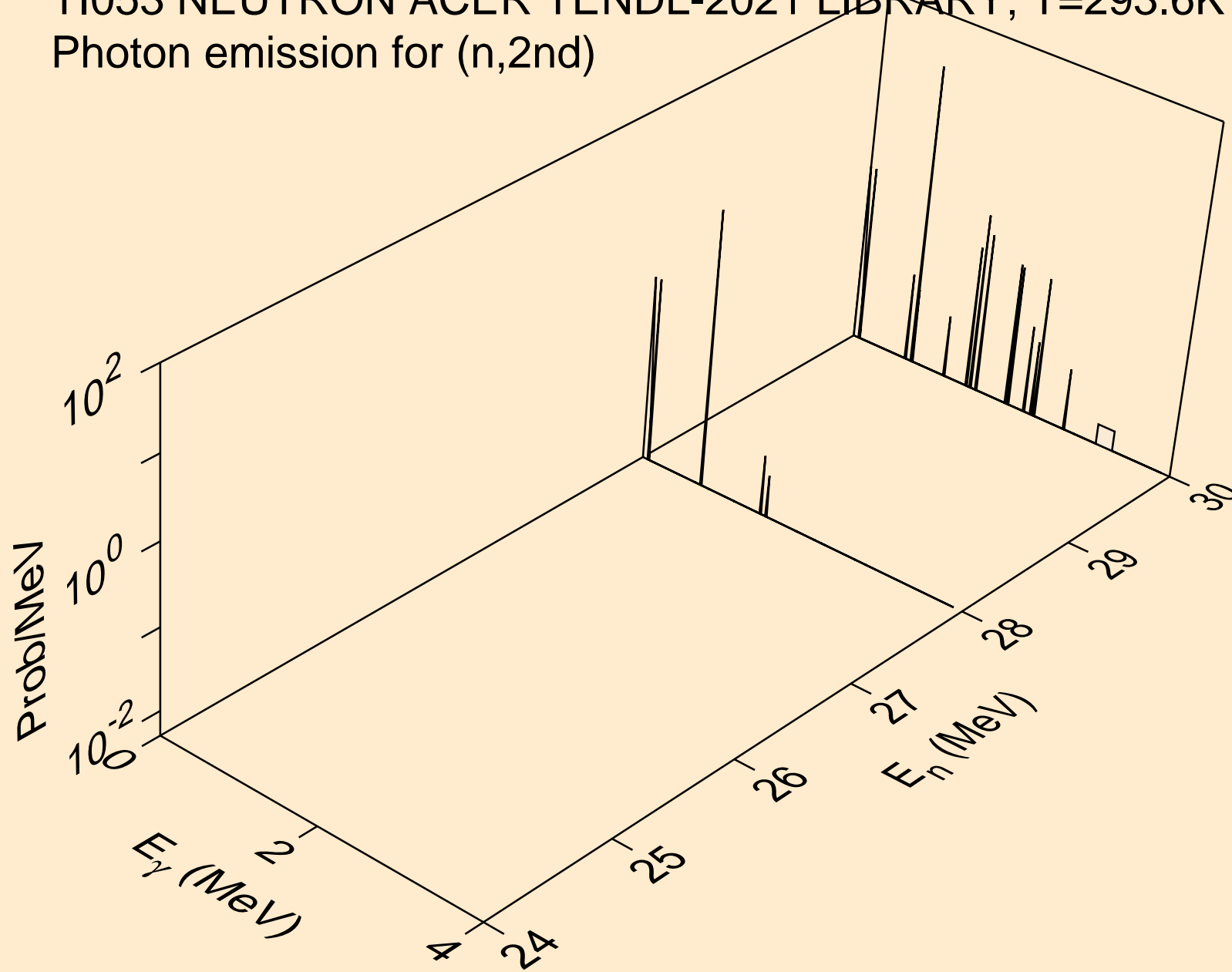
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Neutron emission for (n,n\*c)



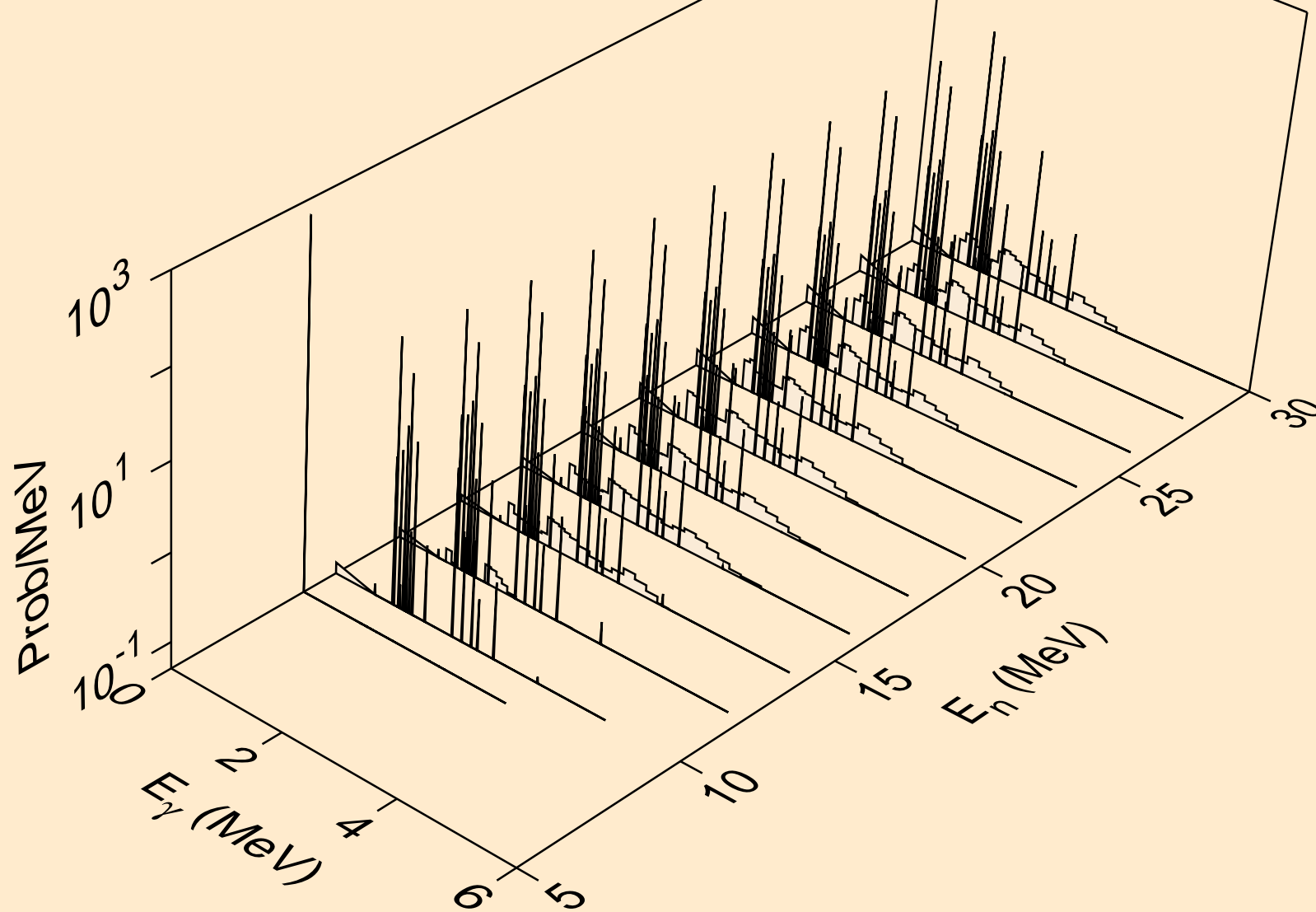
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Photon emission for (n,x)



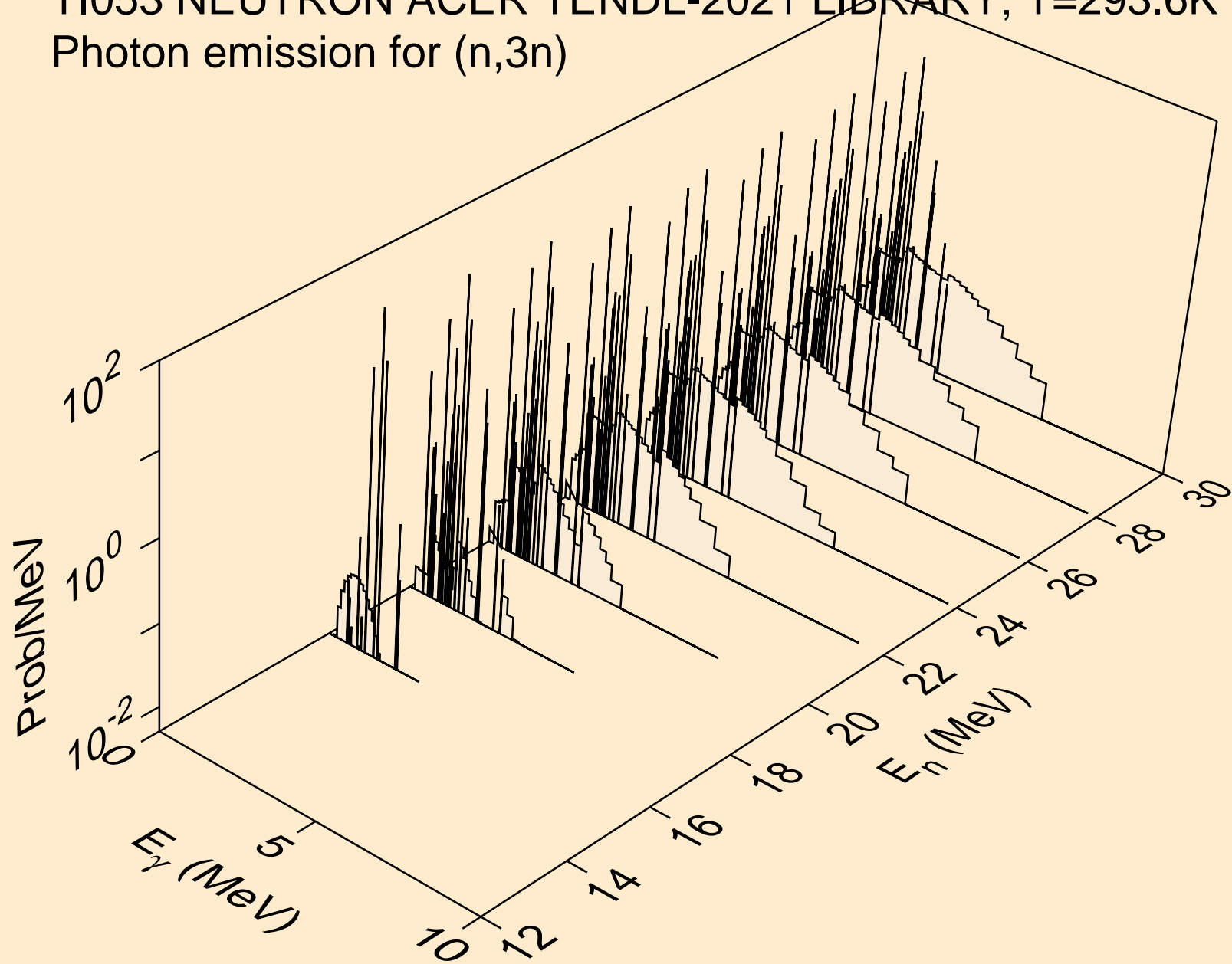
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Photon emission for (n,2nd)



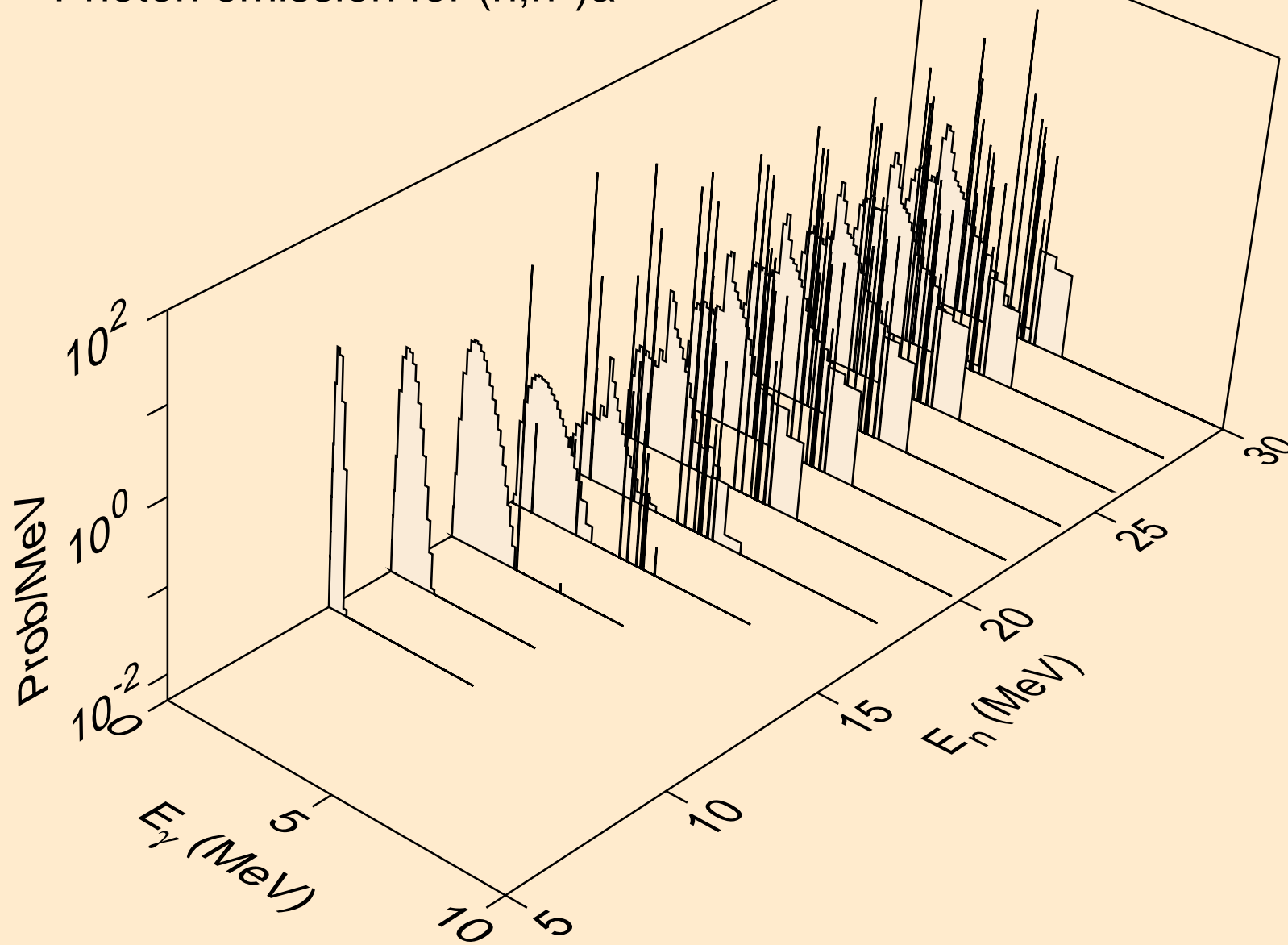
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Photon emission for (n,2n)



TI053 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3n)

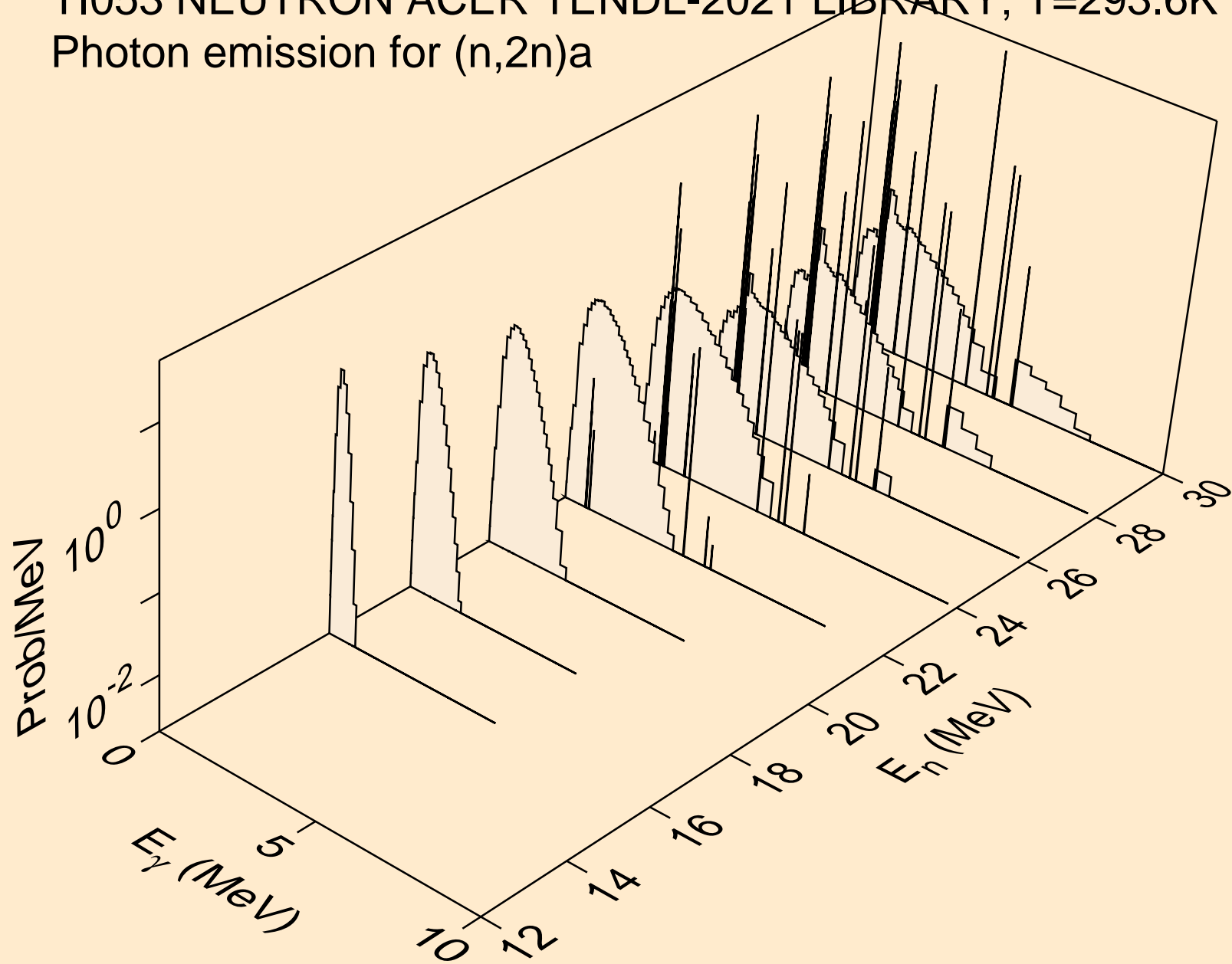


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Photon emission for (n,n\*)a

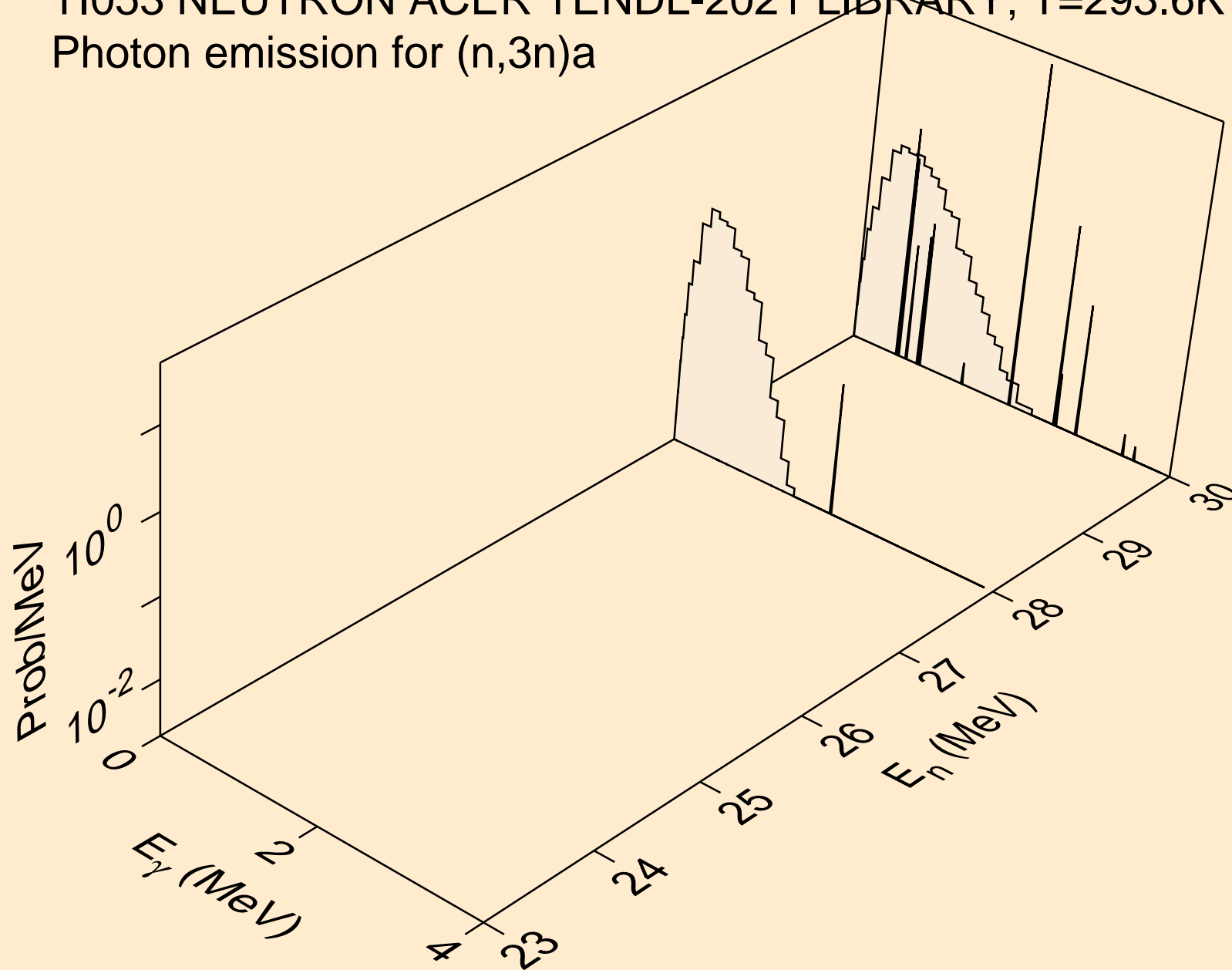




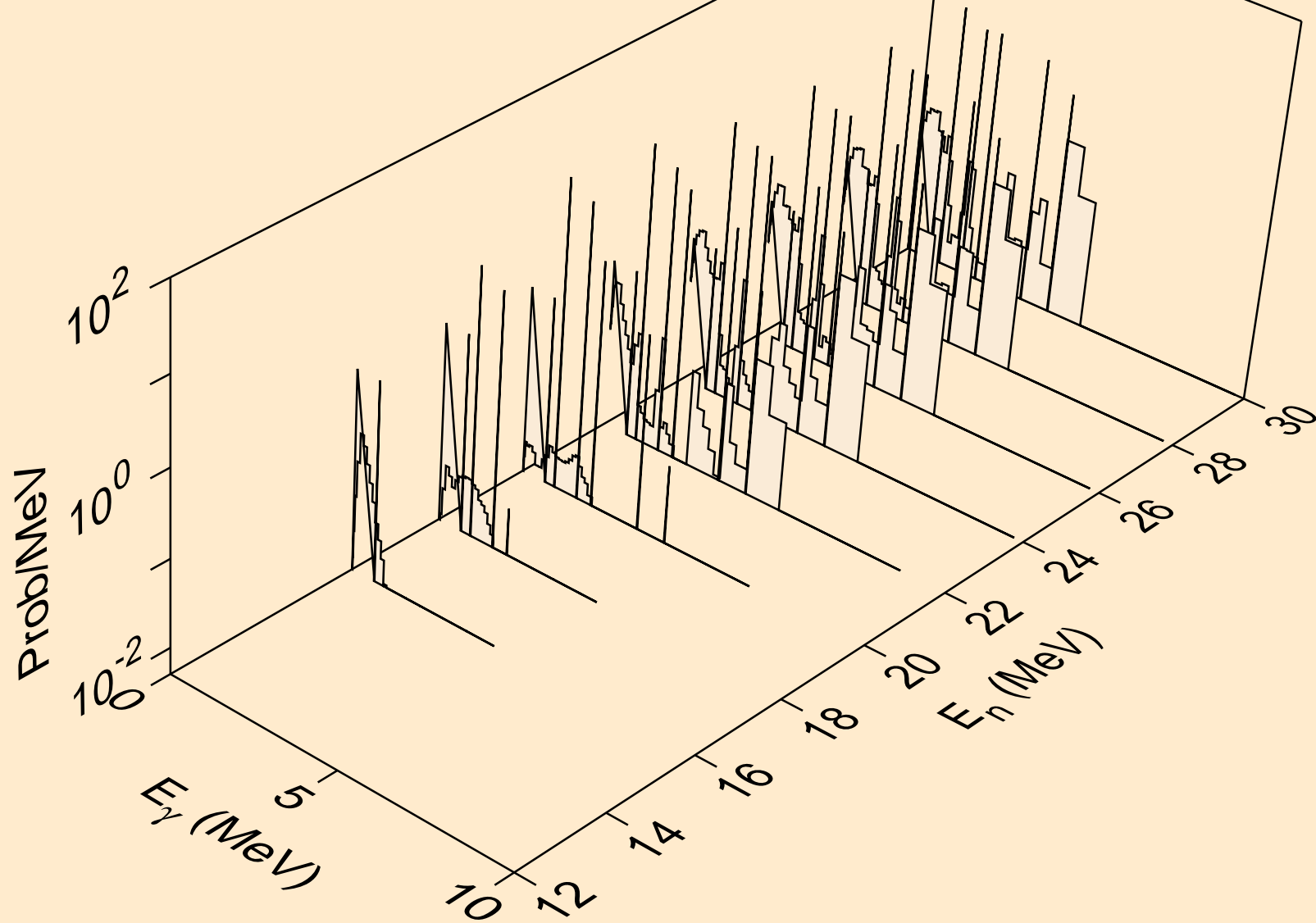
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Photon emission for (n,2n)a



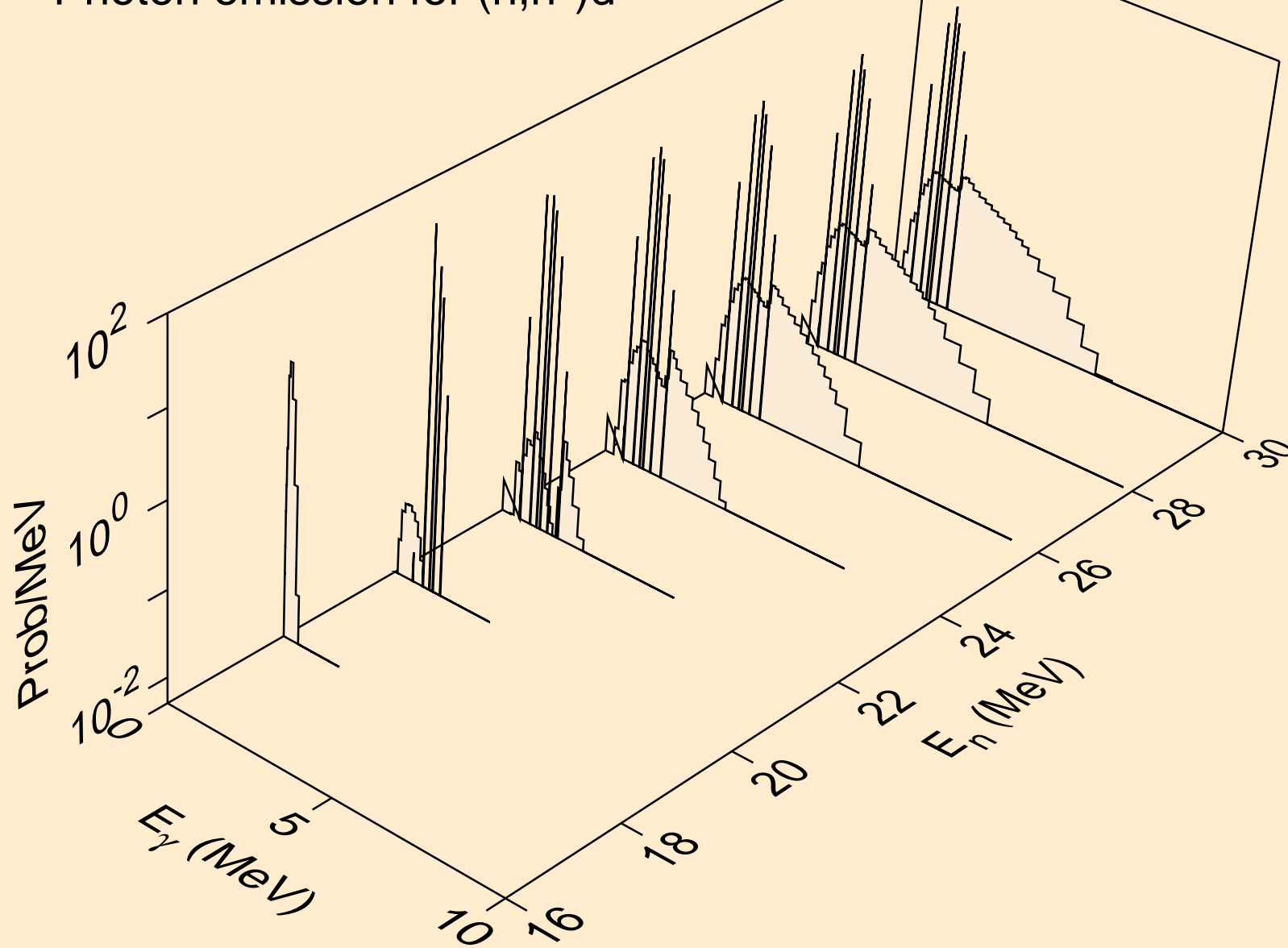
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Photon emission for (n,3n)a



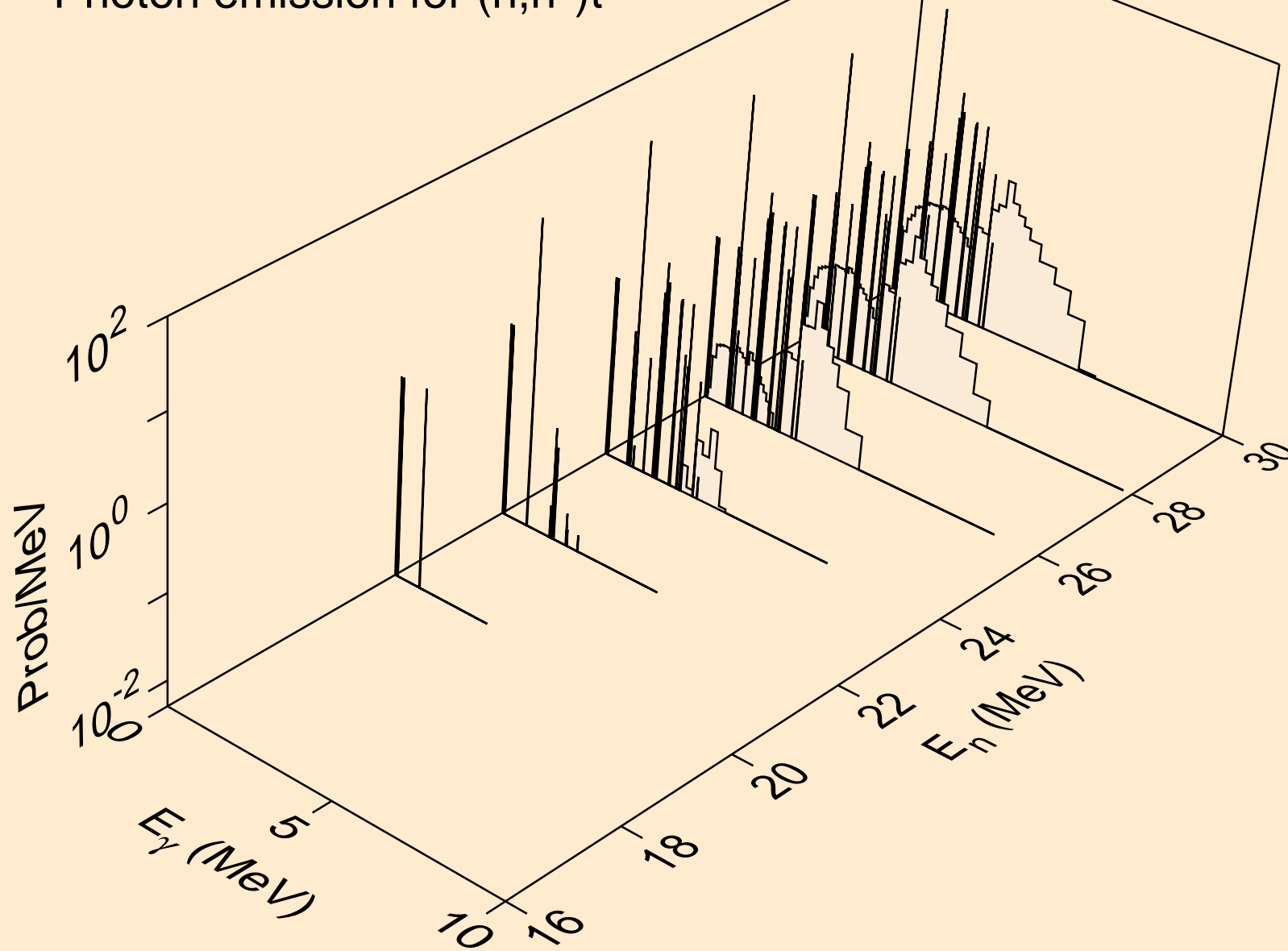
TI053 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)p



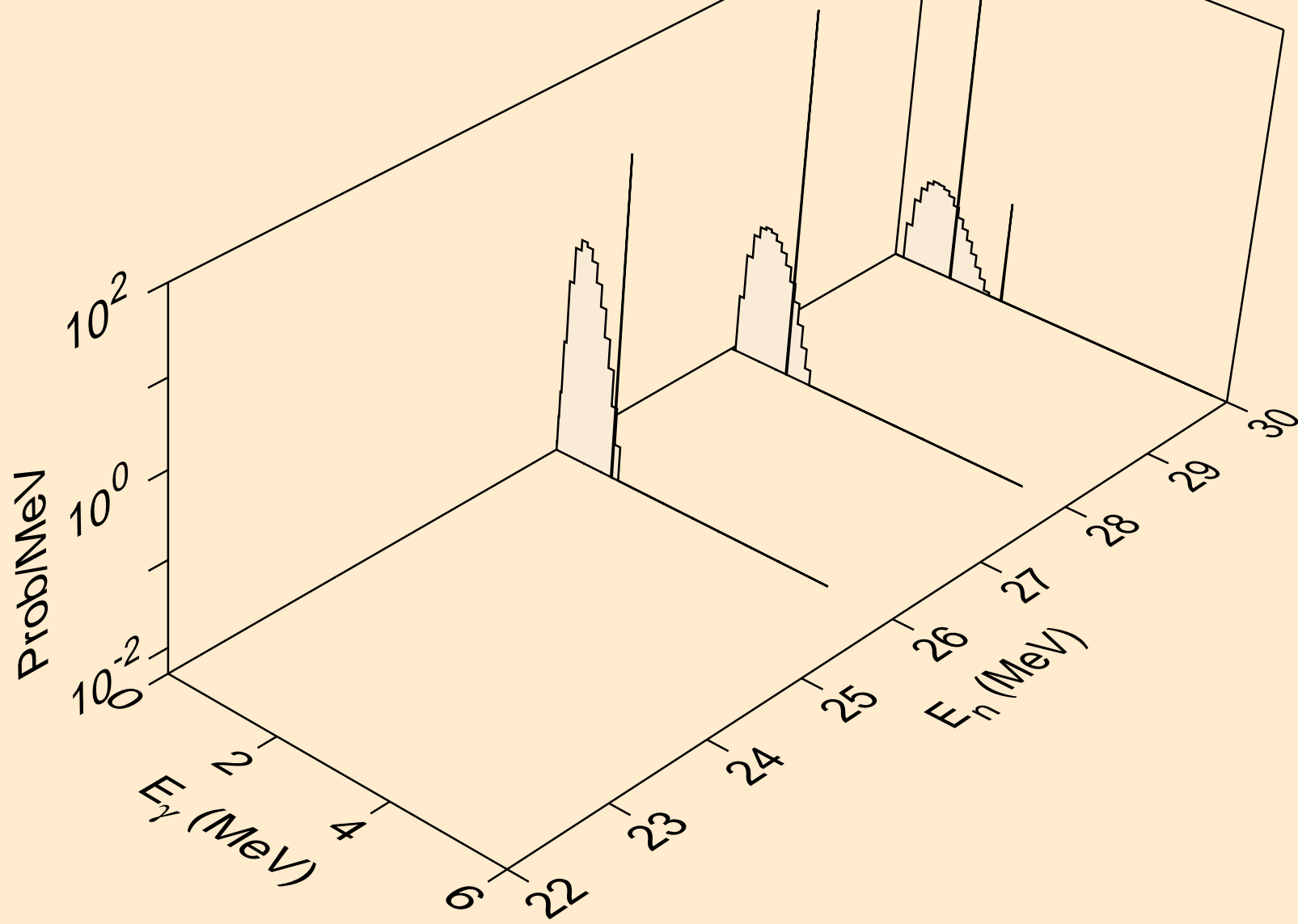
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Photon emission for (n,n\*)d



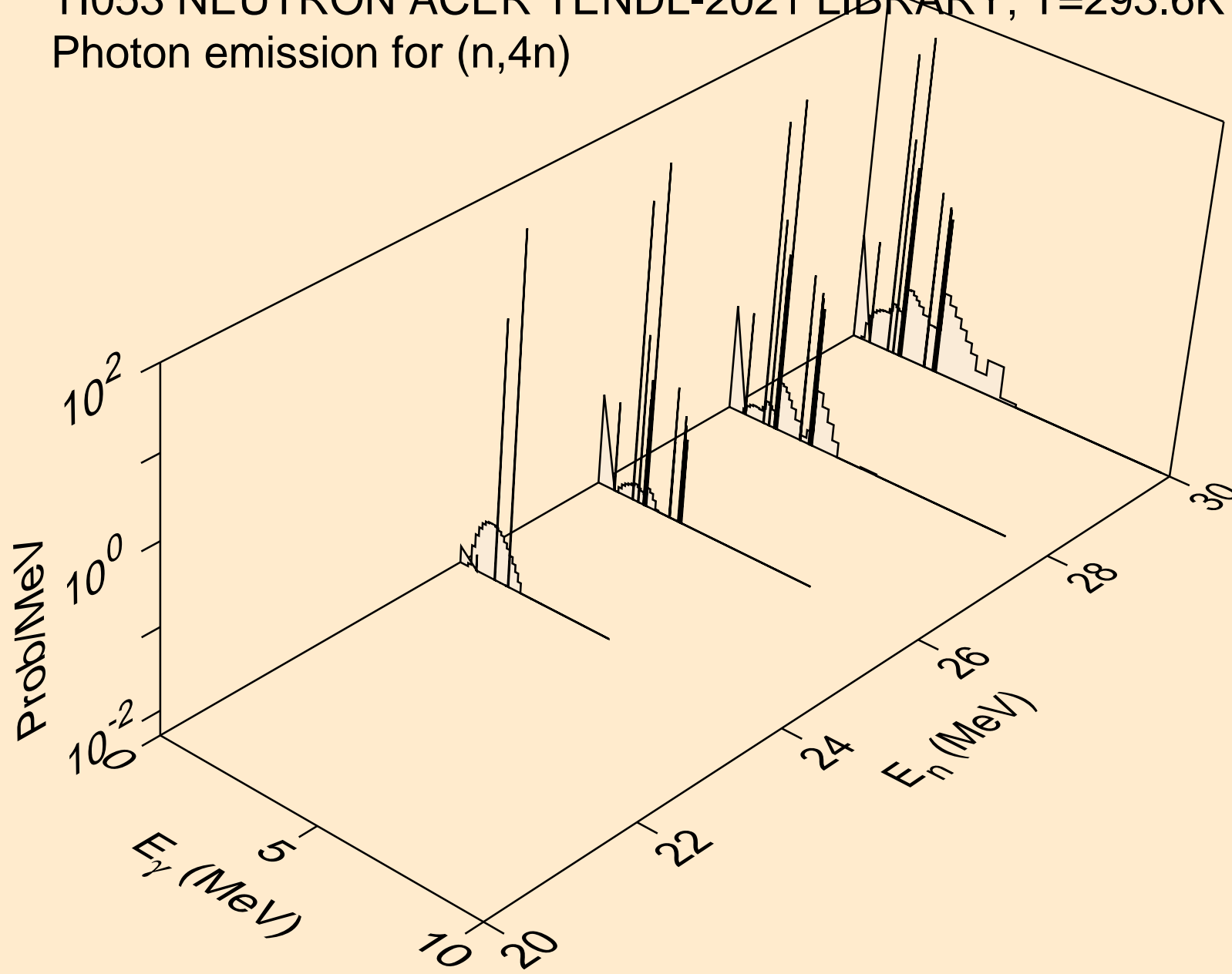
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Photon emission for (n,n\*)t



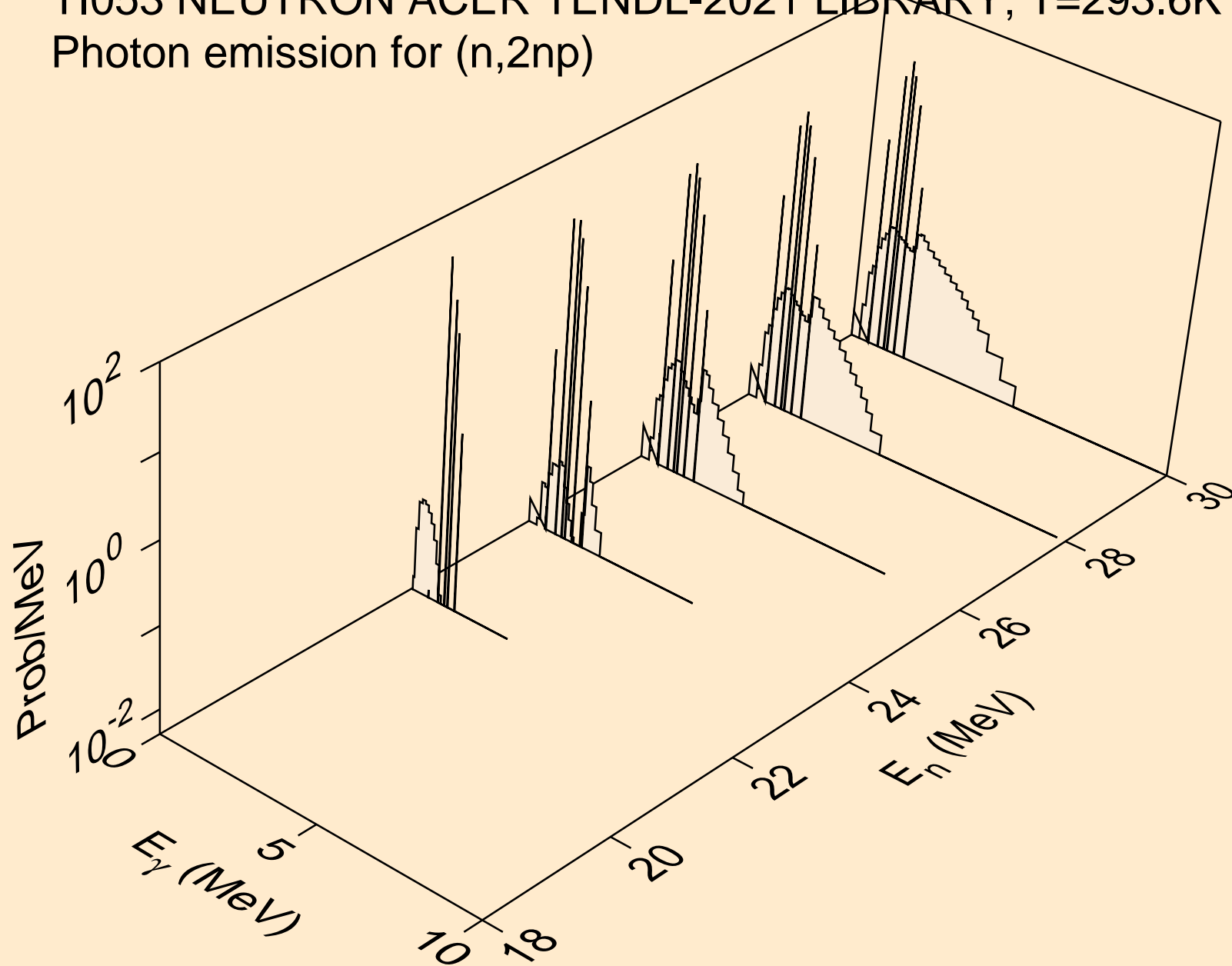
TI053 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)he3



TI053 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,4n)

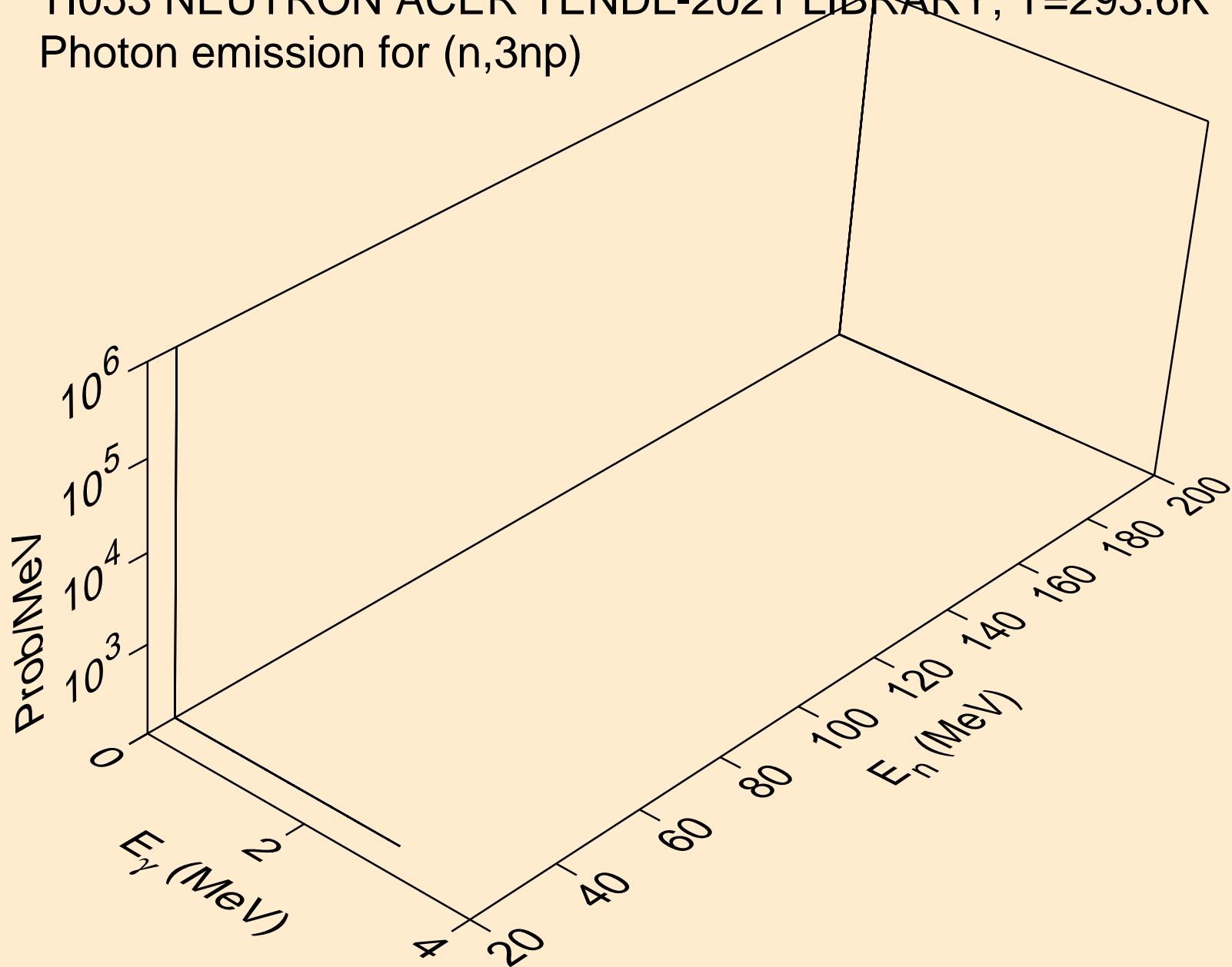


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Photon emission for (n,2np)

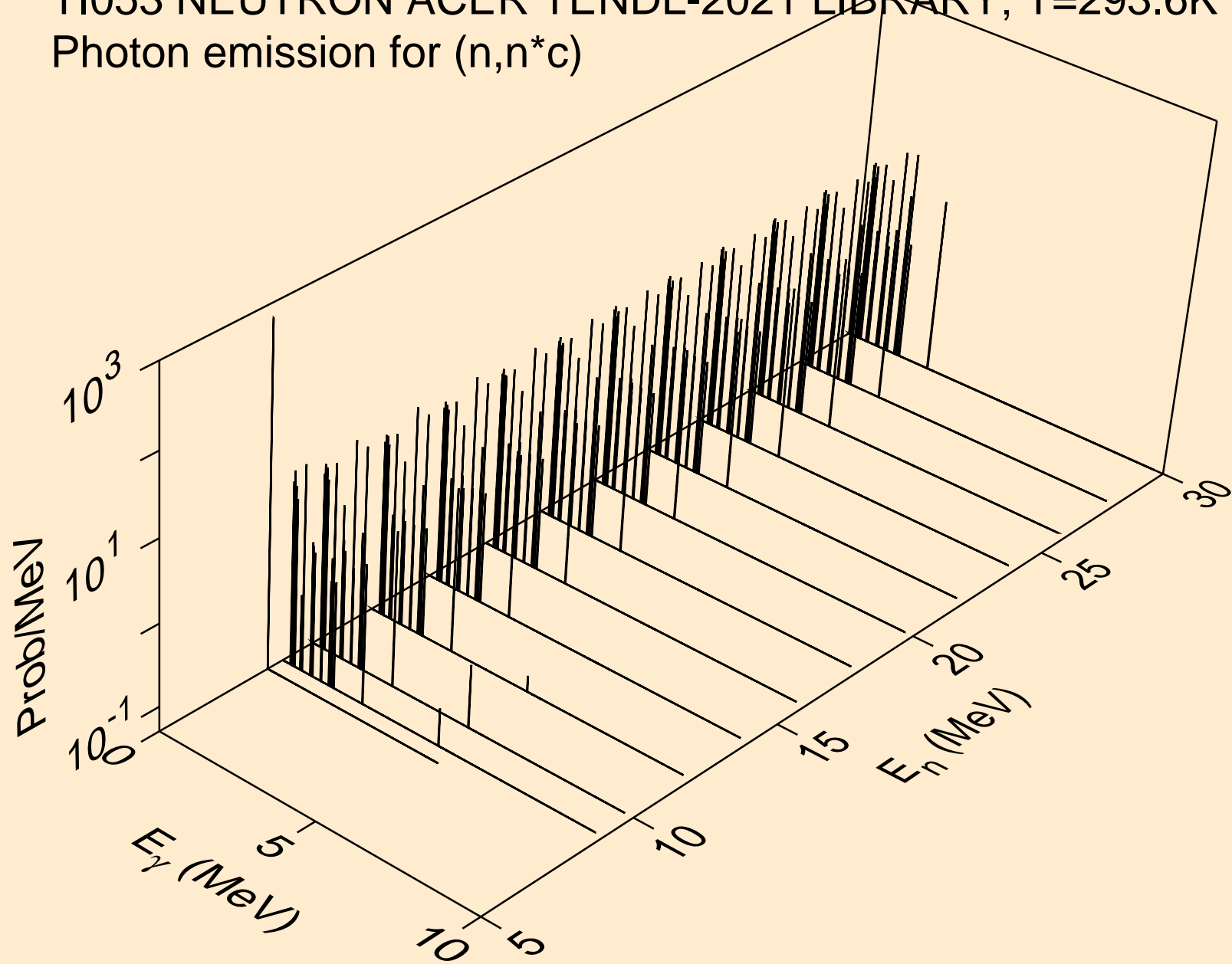




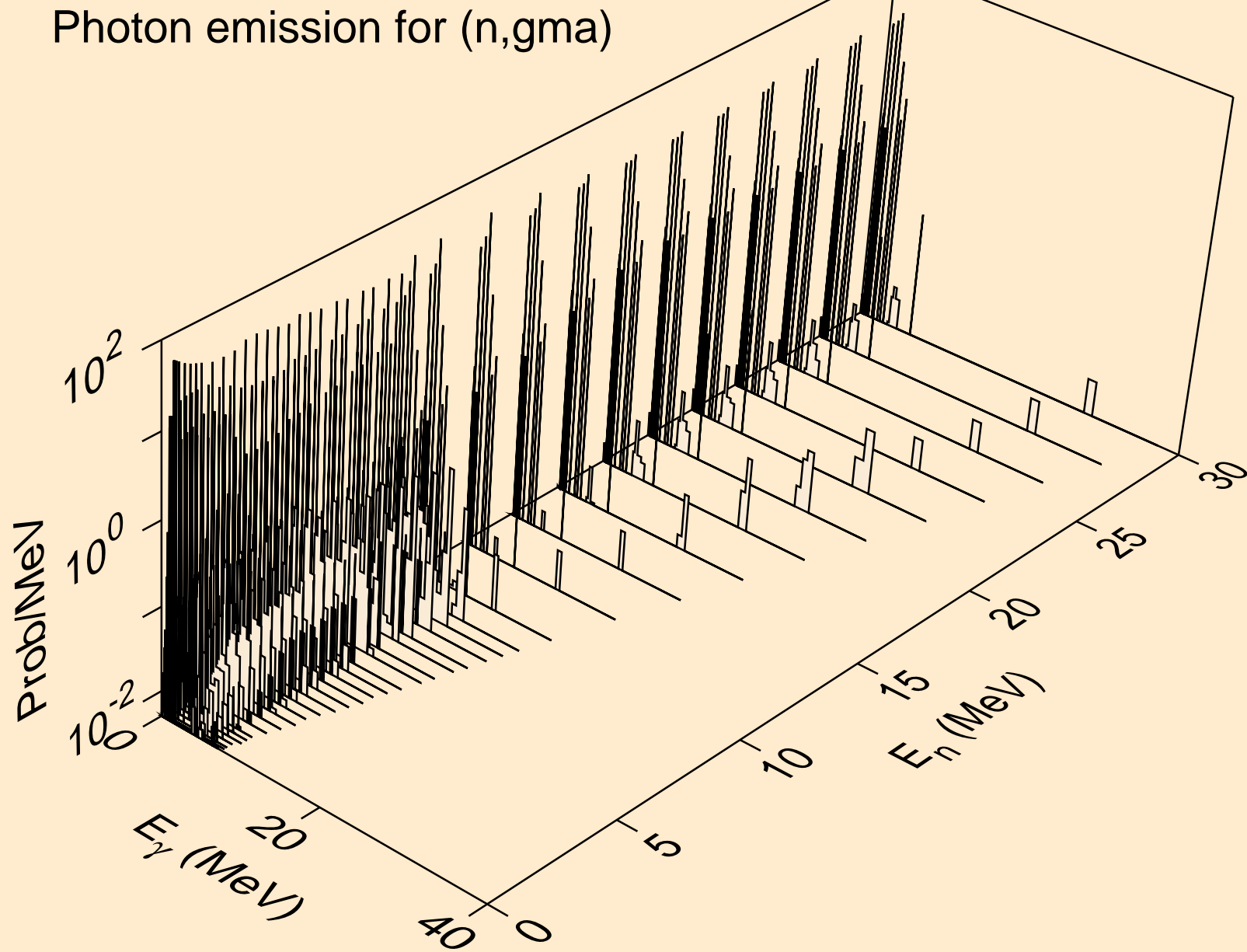
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Photon emission for (n,3np)



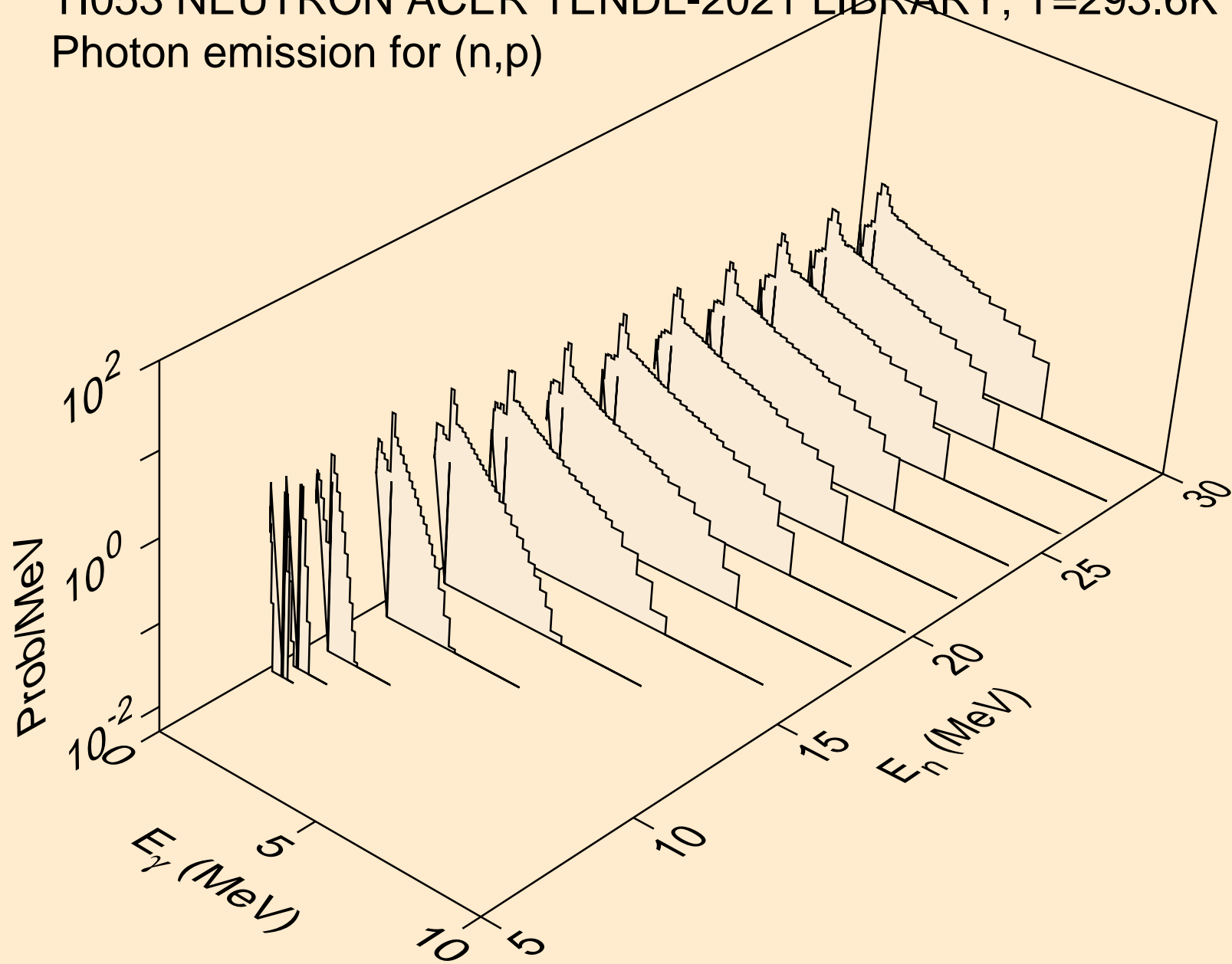
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Photon emission for (n,n\*c)



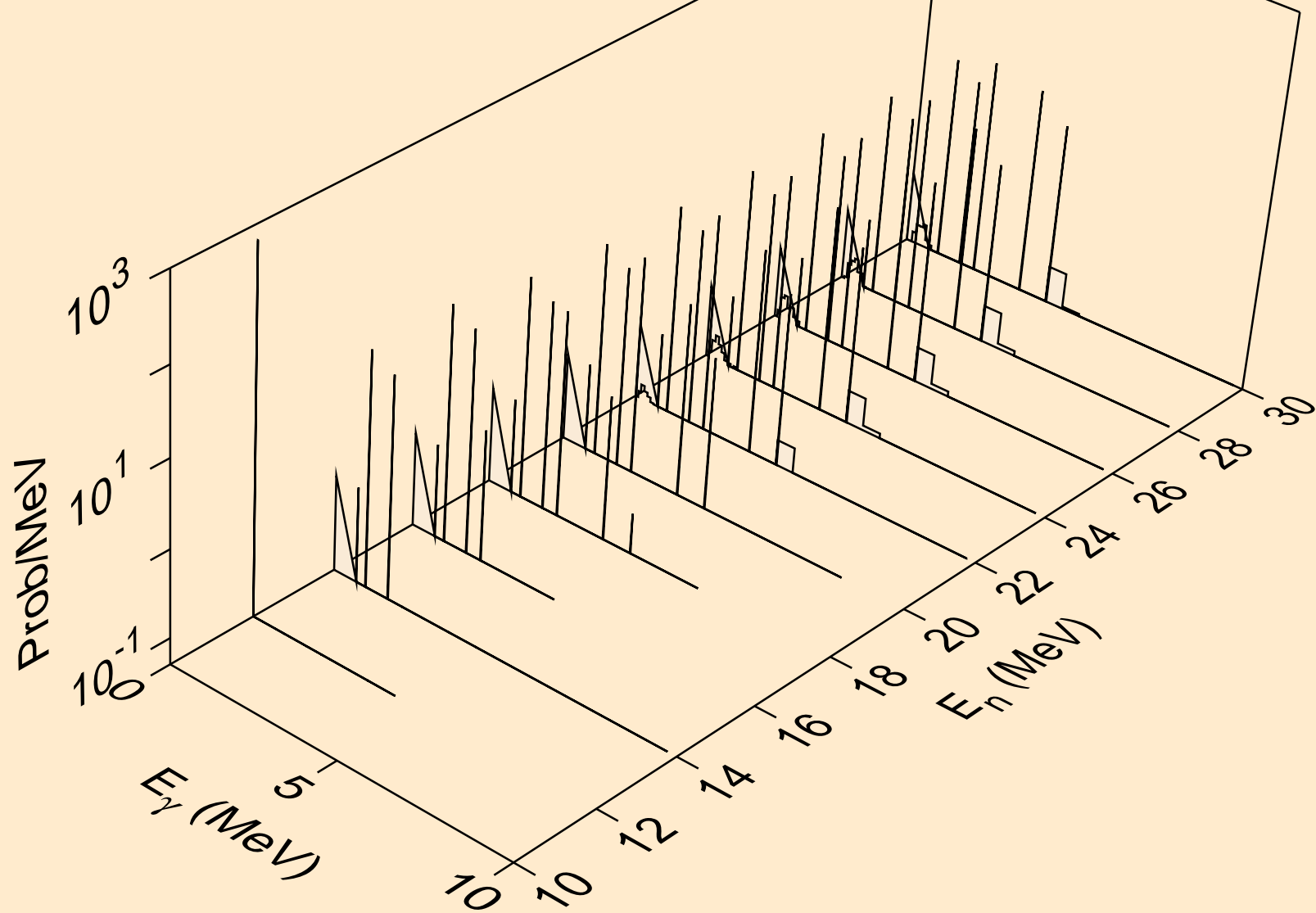
TI053 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,gma)



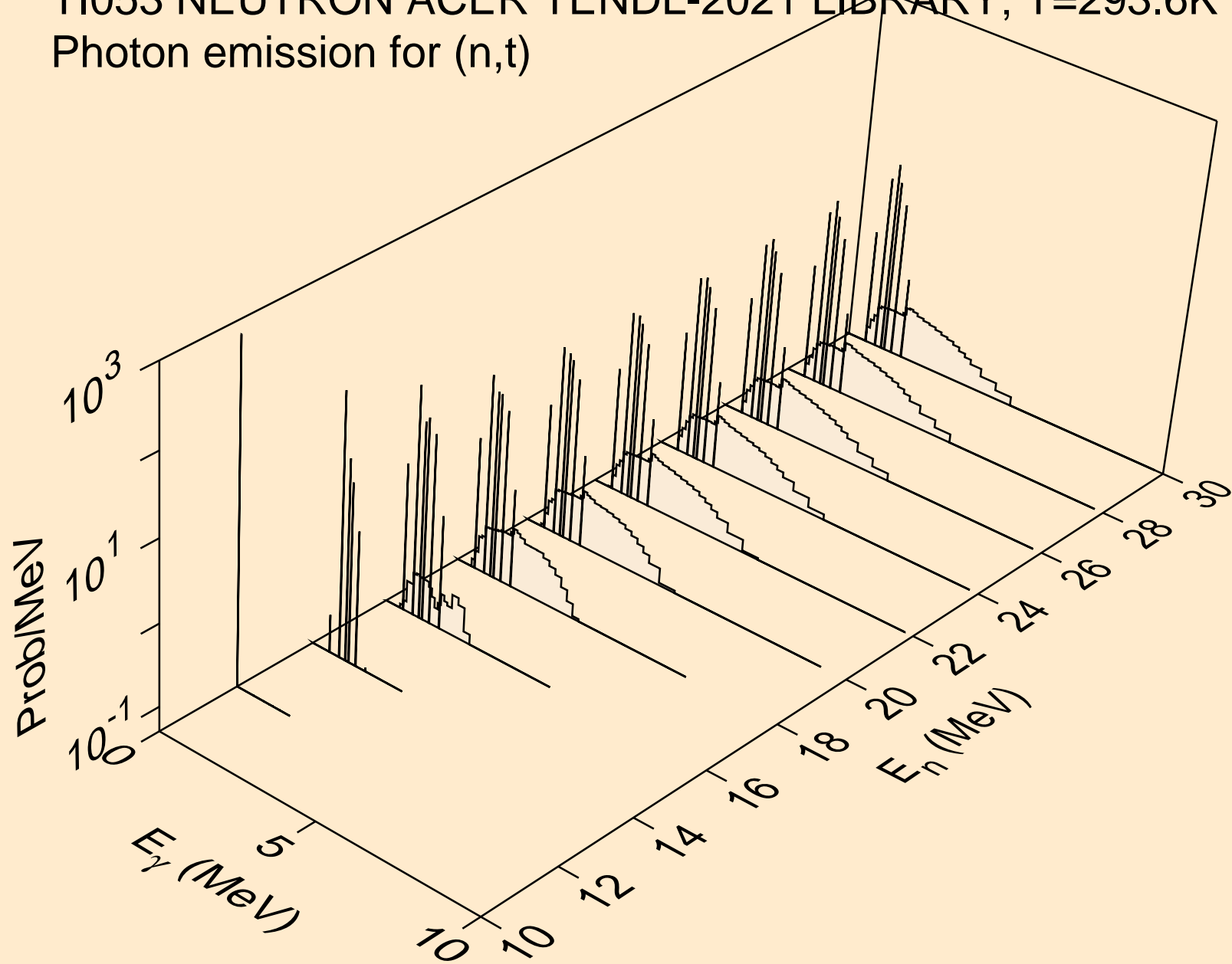
TI053 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,p)



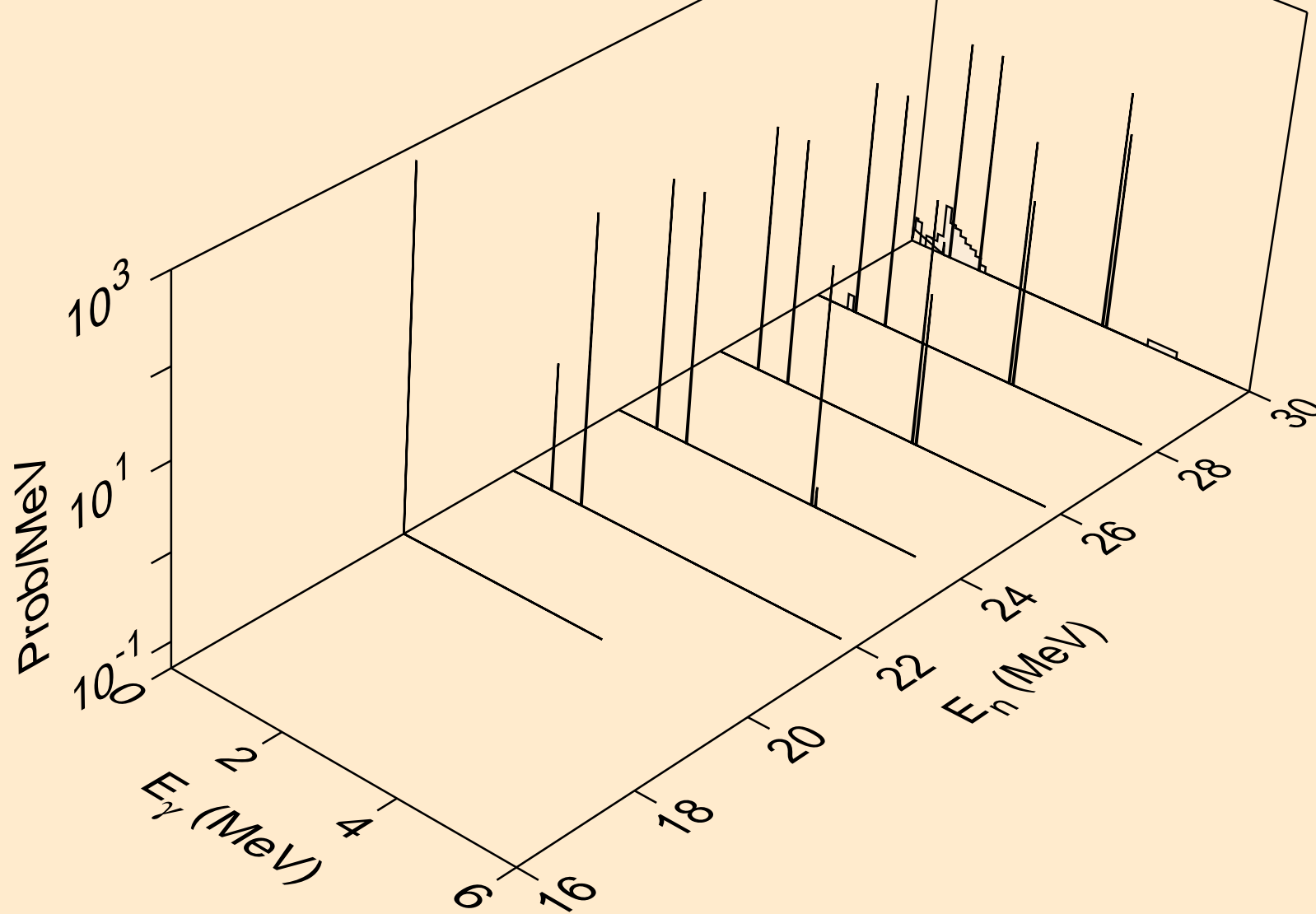
TI053 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,d)



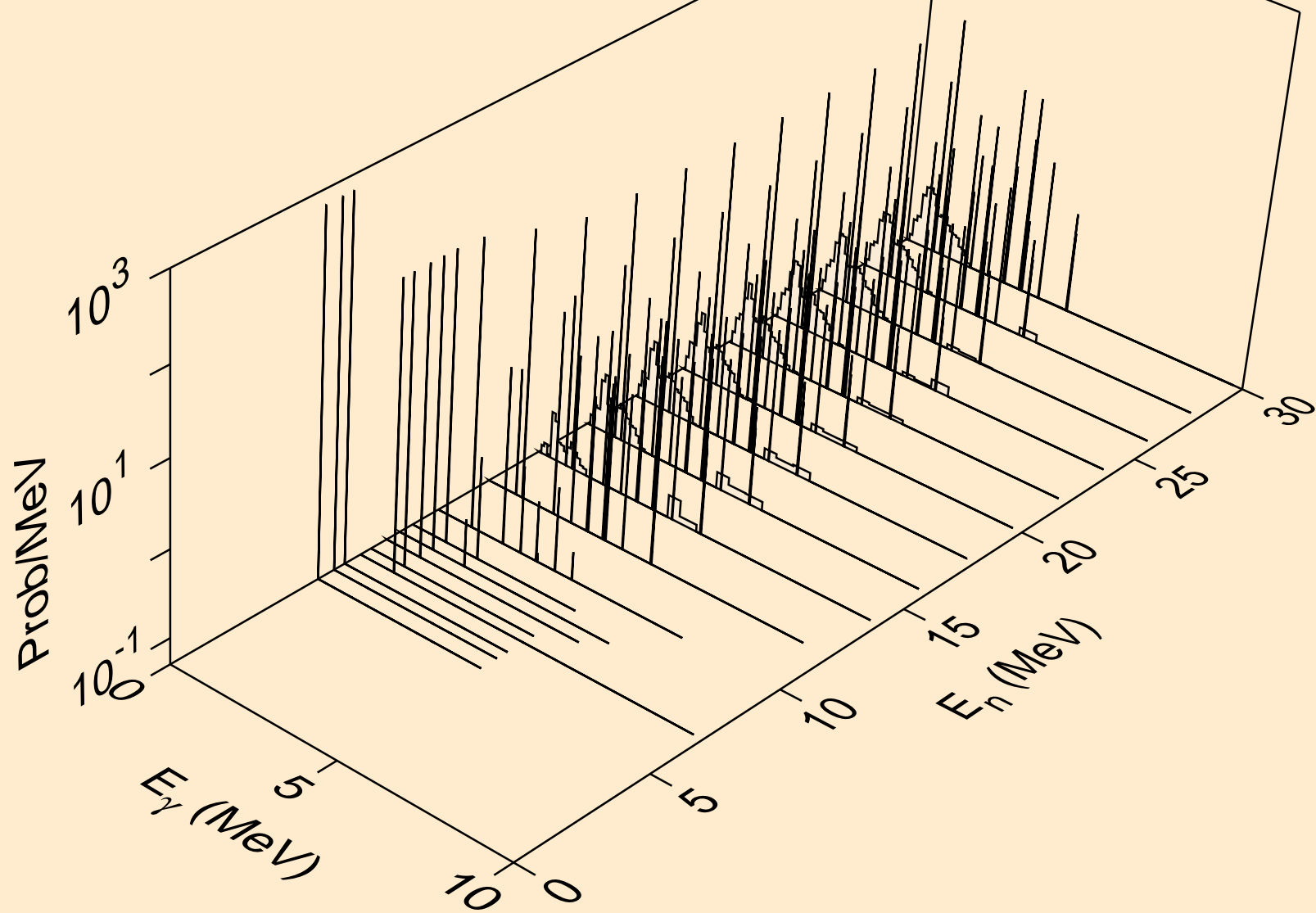
TI053 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,t)



TI053 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,he3)

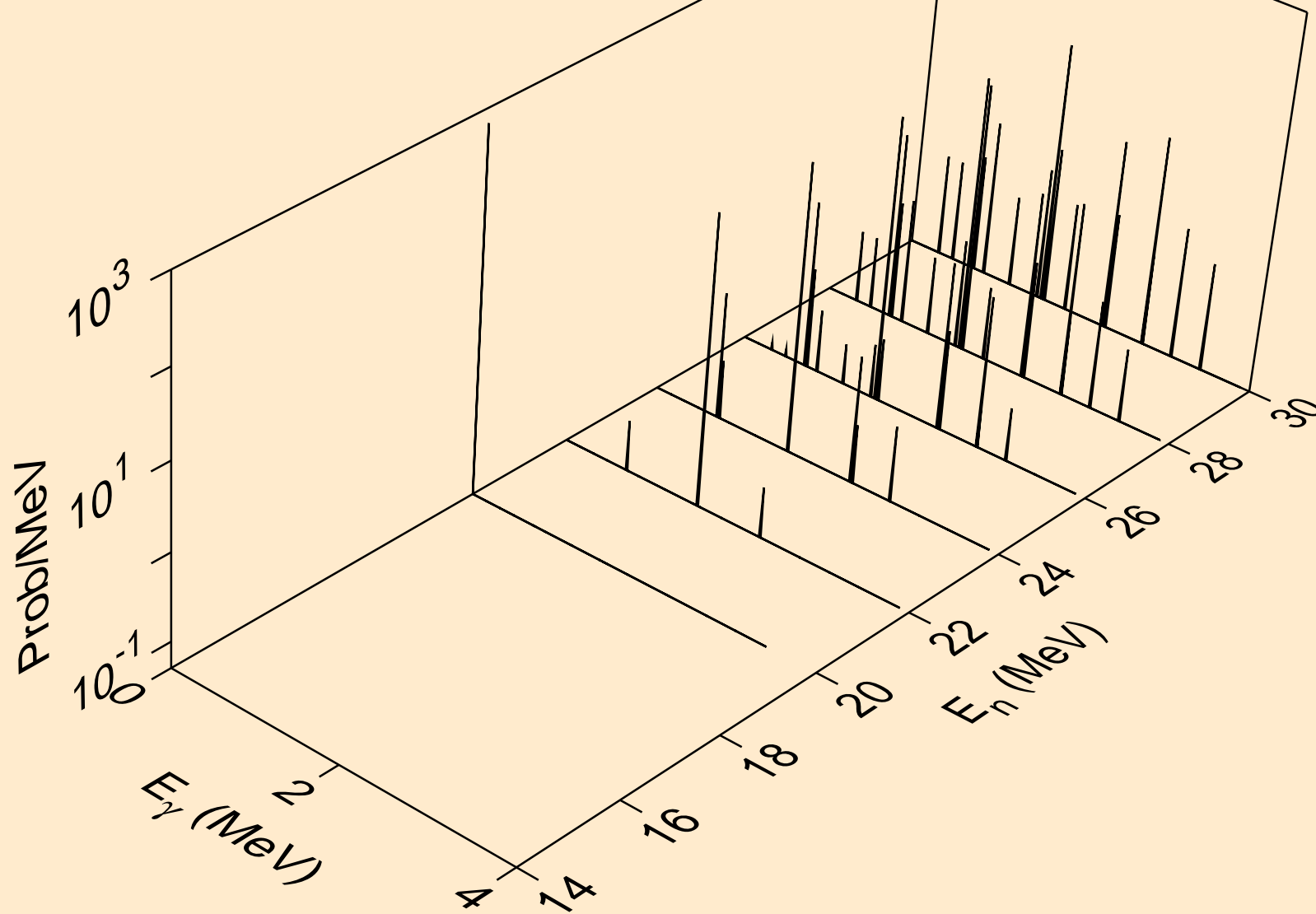


TI053 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,a)

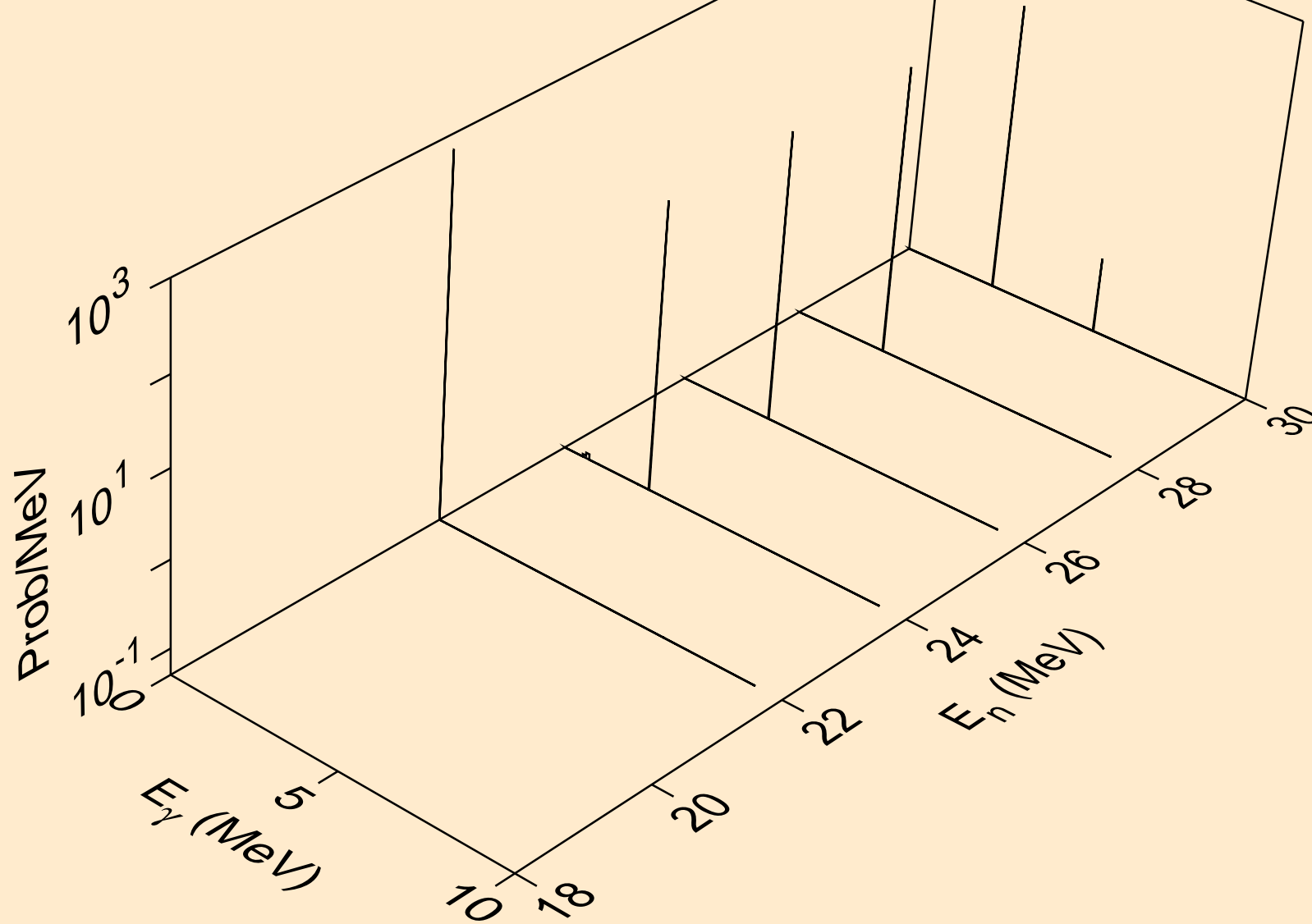




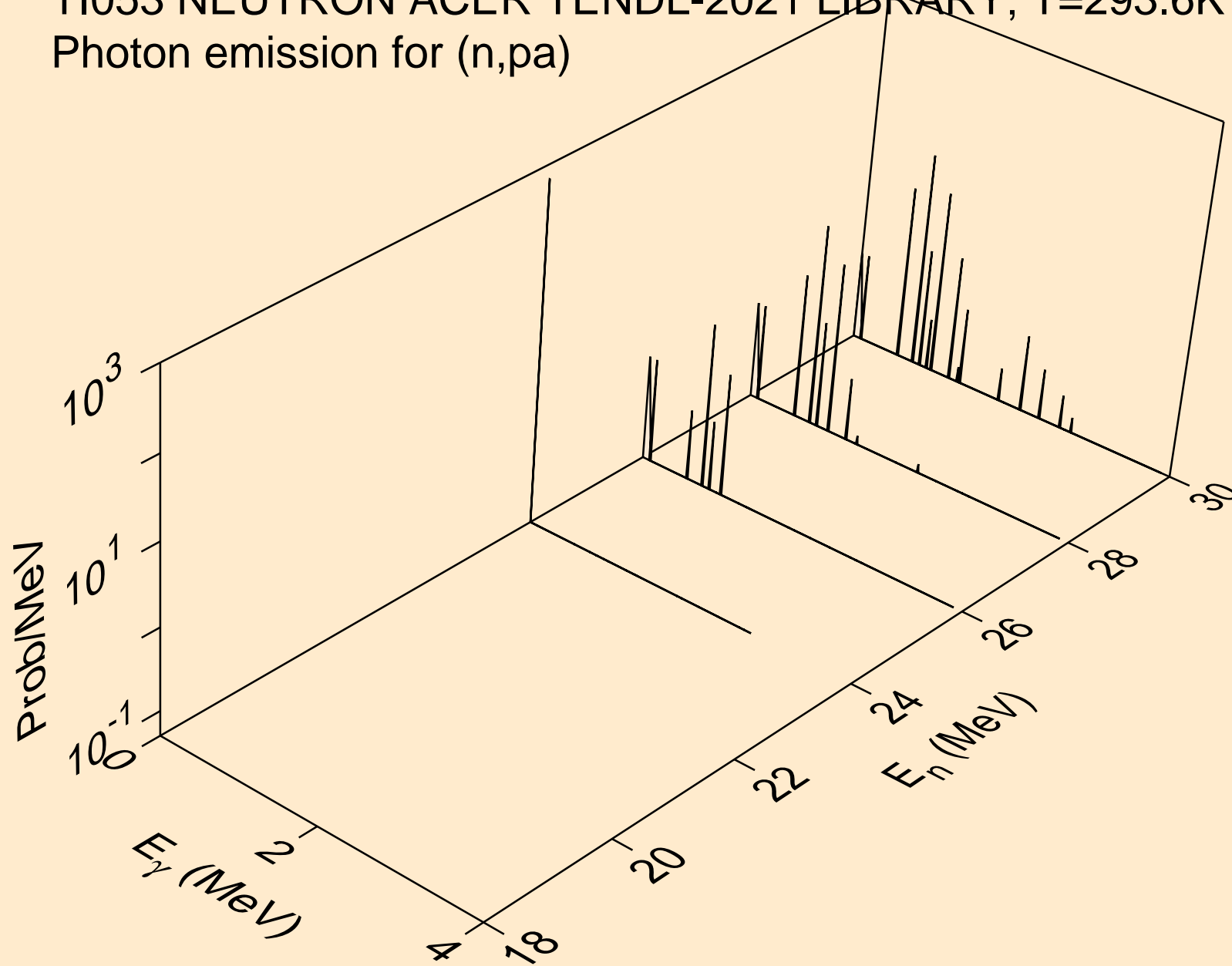
TI053 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2a)



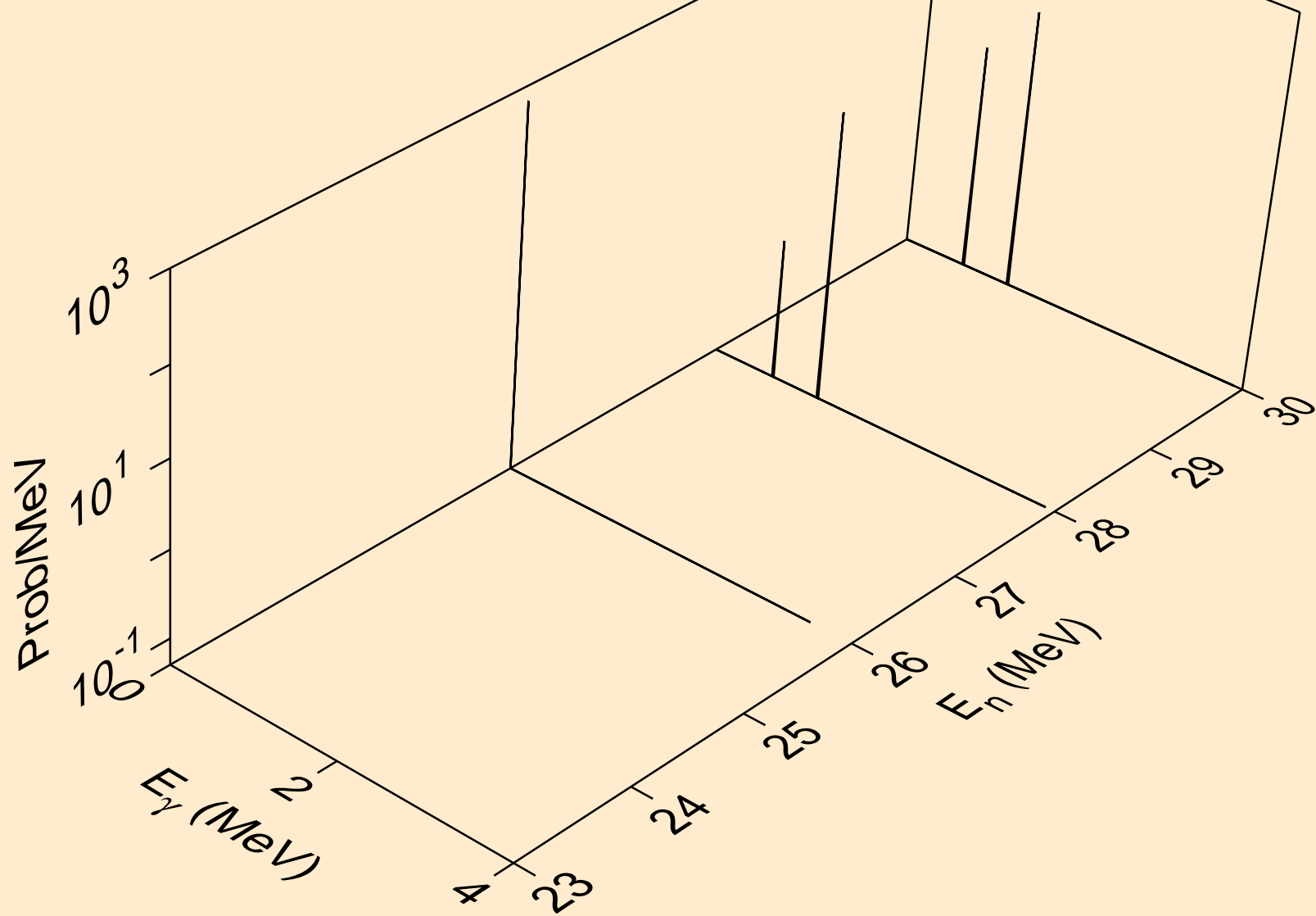
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Photon emission for (n,2p)



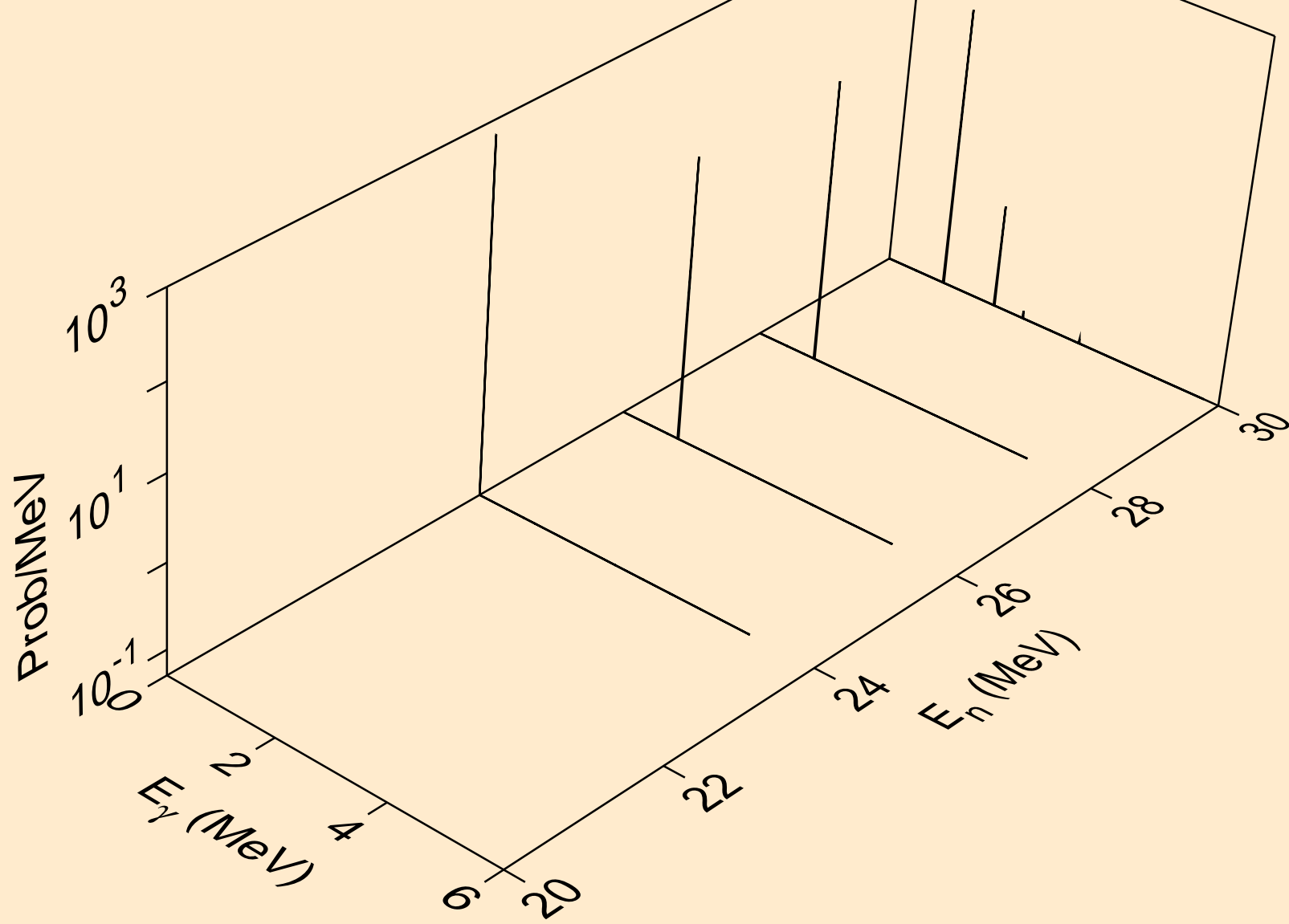
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Photon emission for (n,p $\alpha$ )



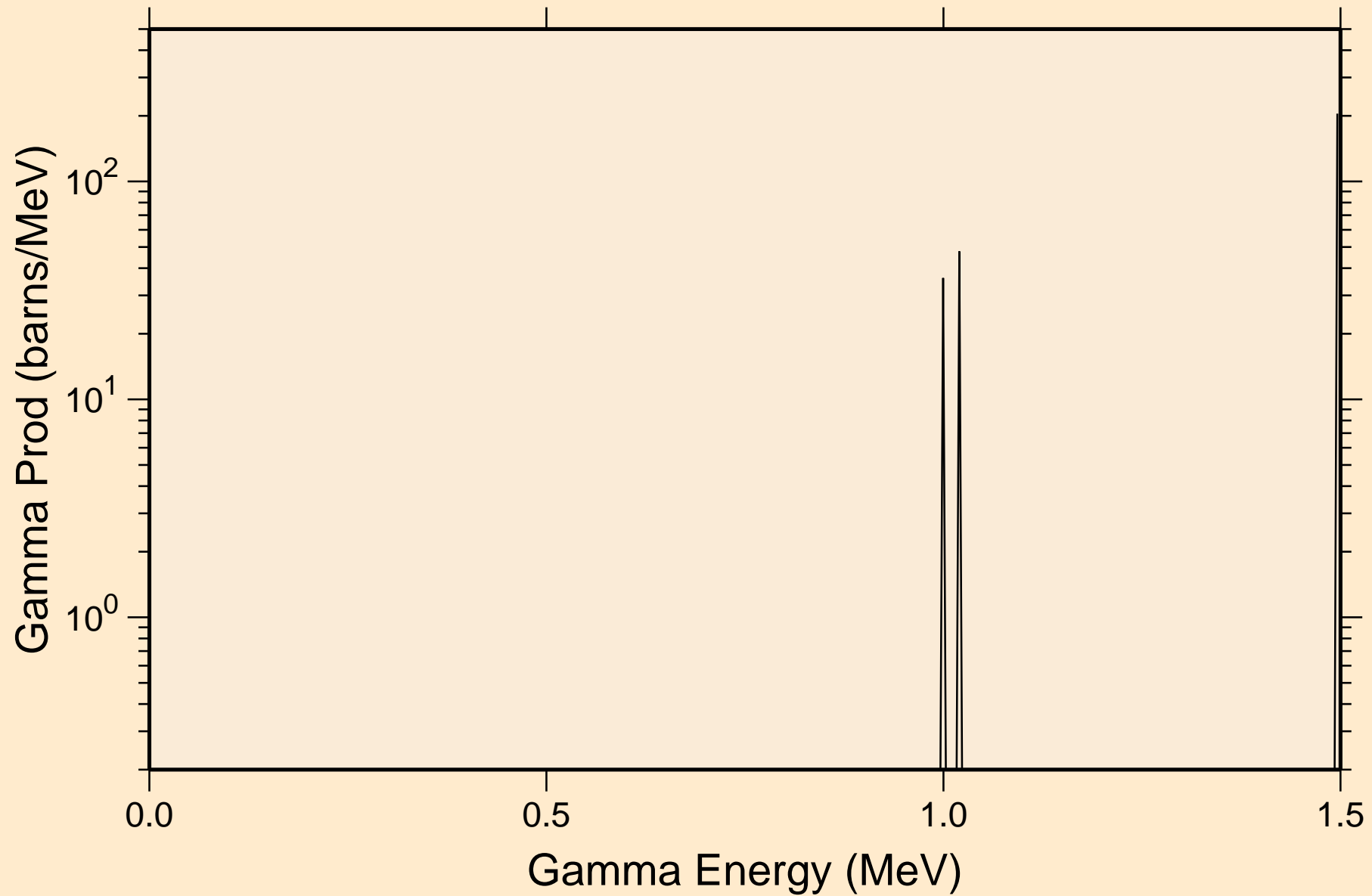
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Photon emission for (n,pd)



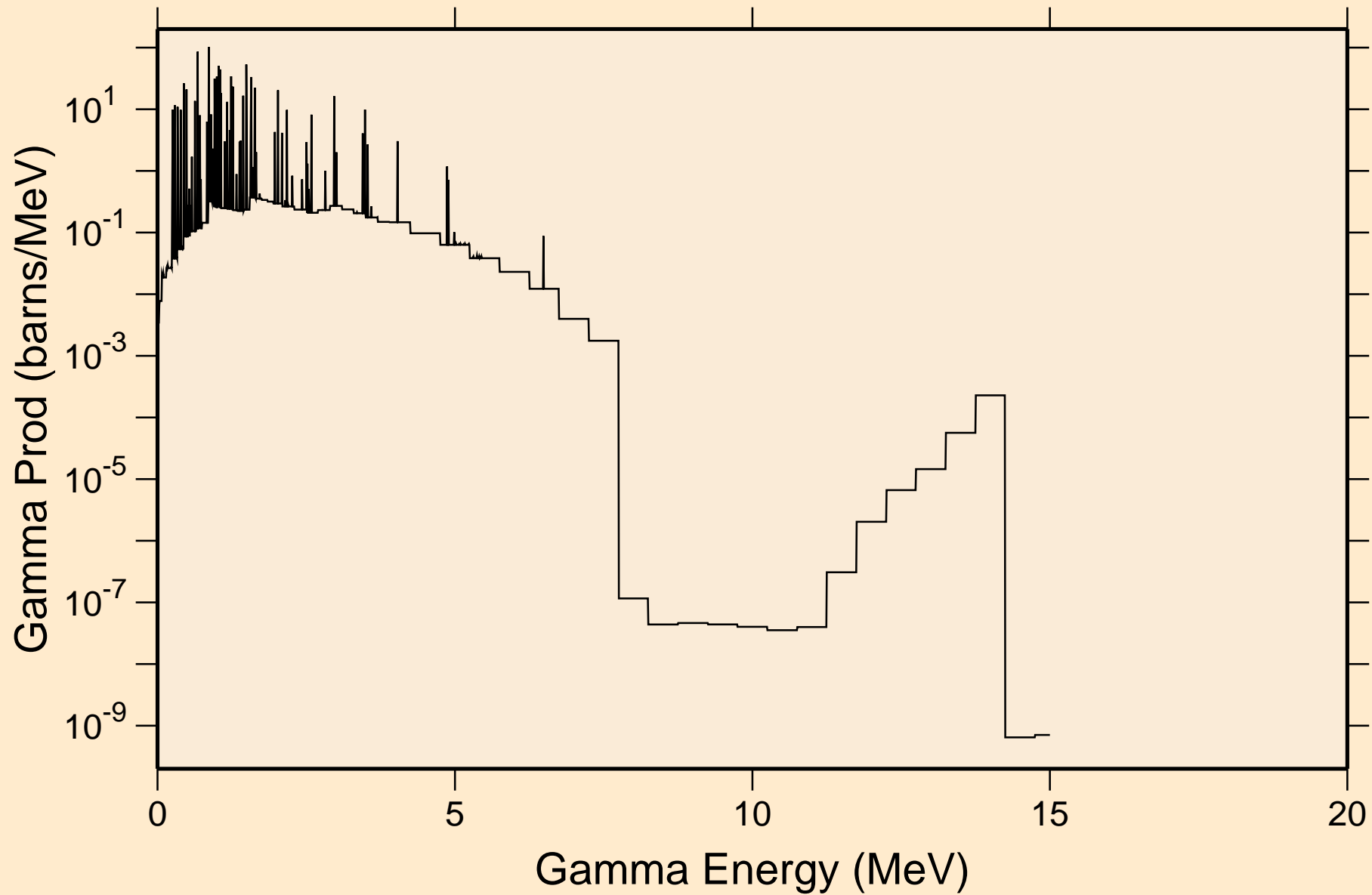
TI053 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,pt)



TI053 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
thermal capture photon spectrum

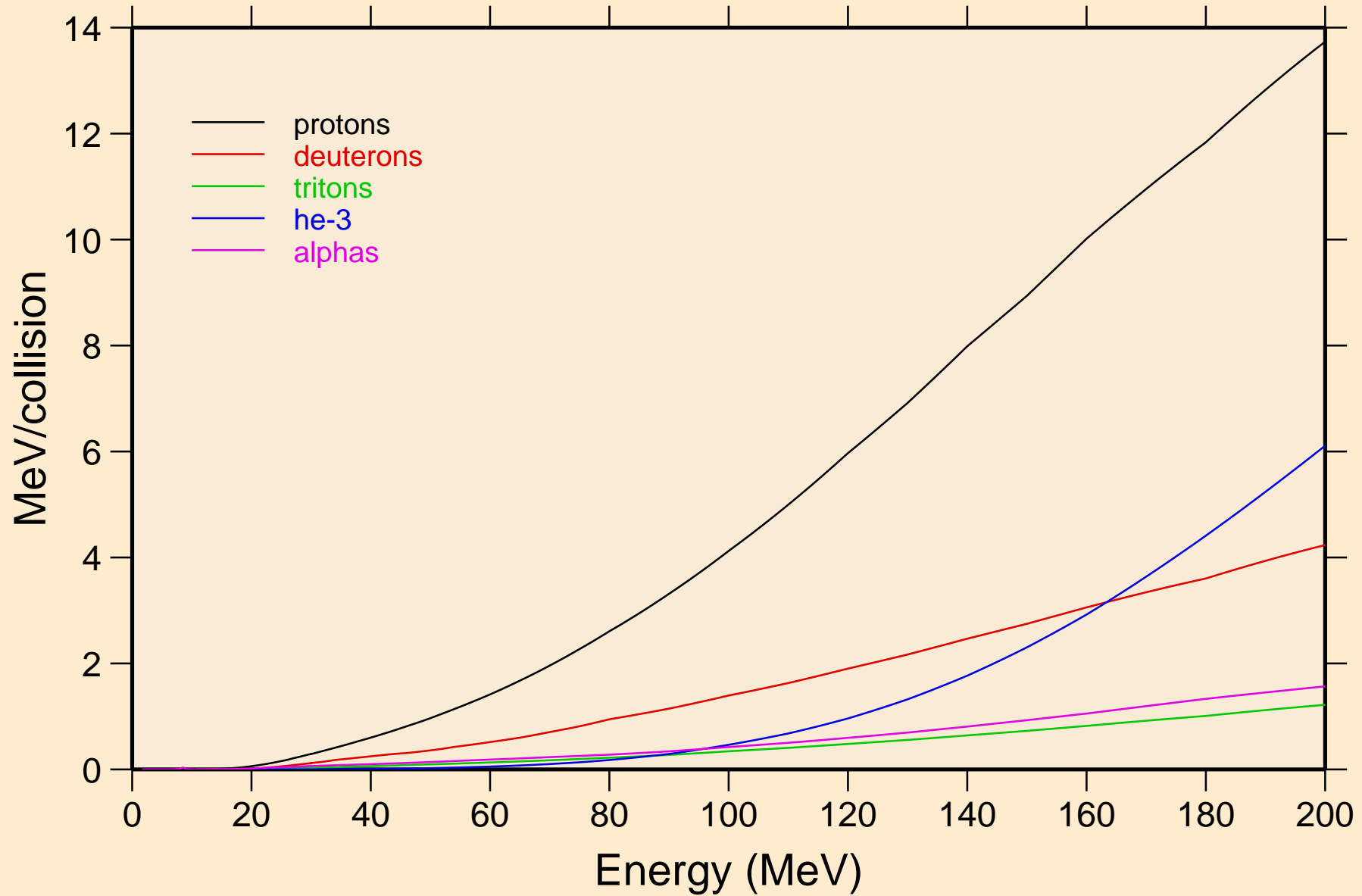


TI053 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
14 MeV photon spectrum



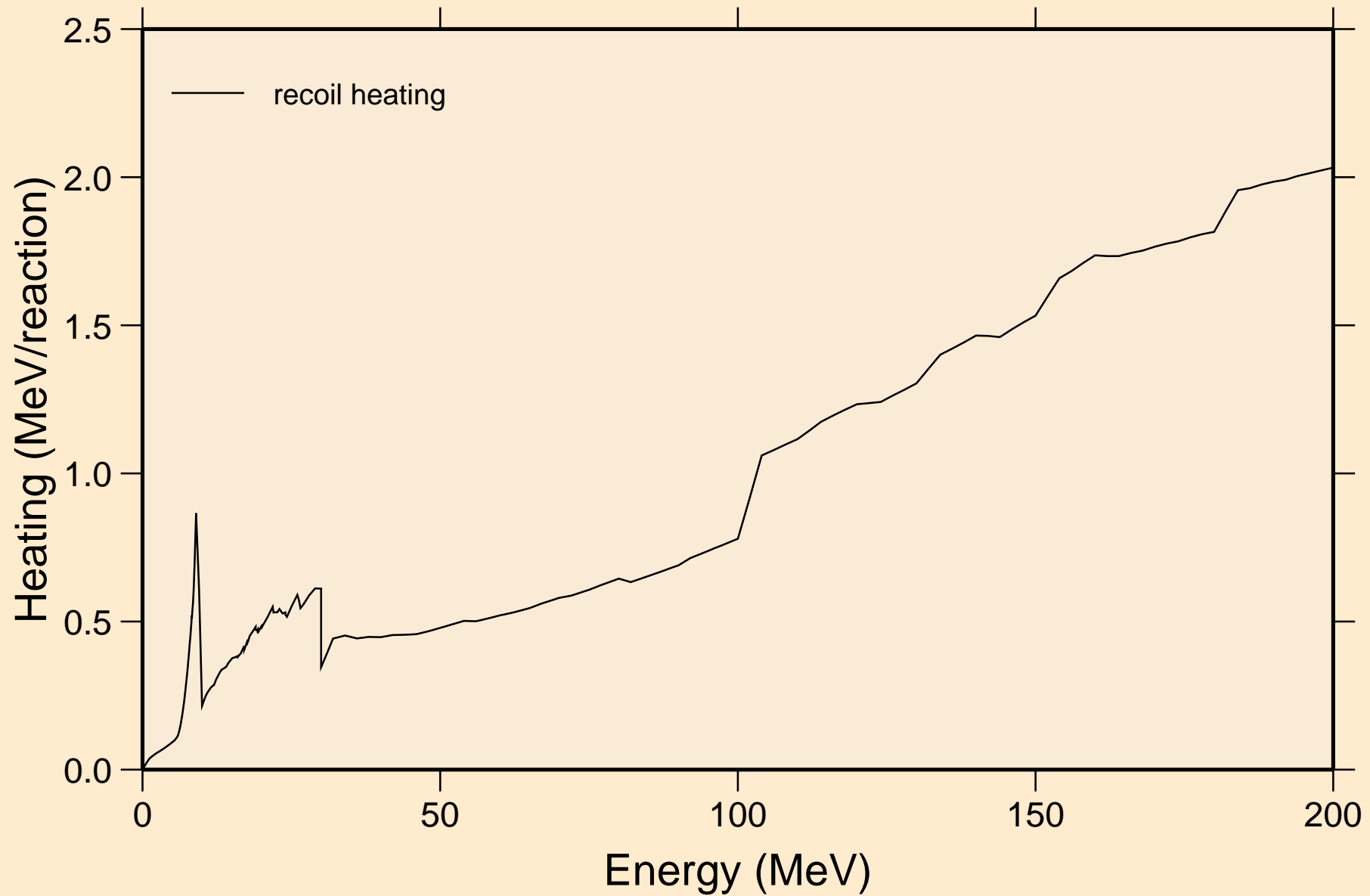
# TI053 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Particle heating contributions

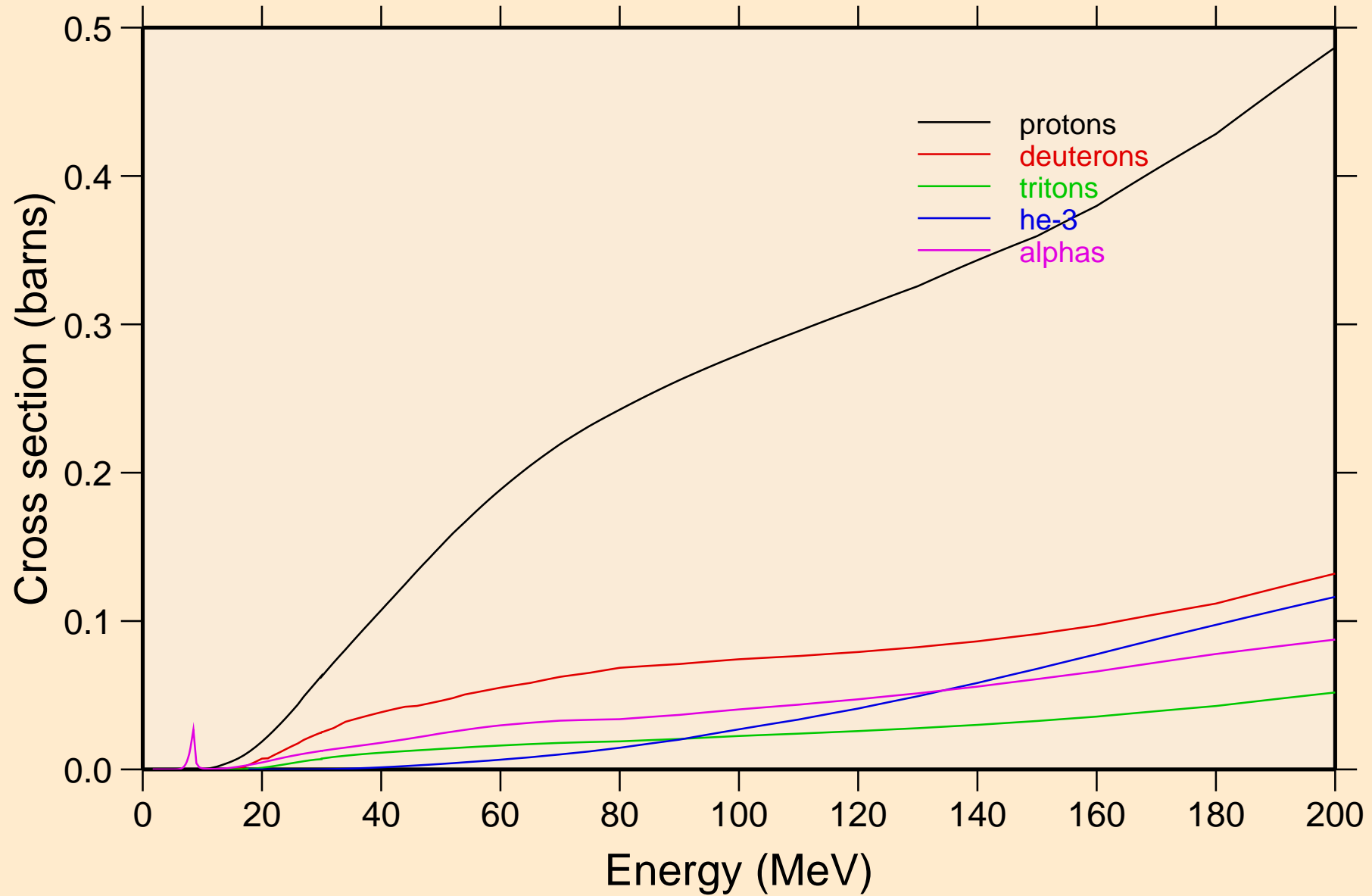




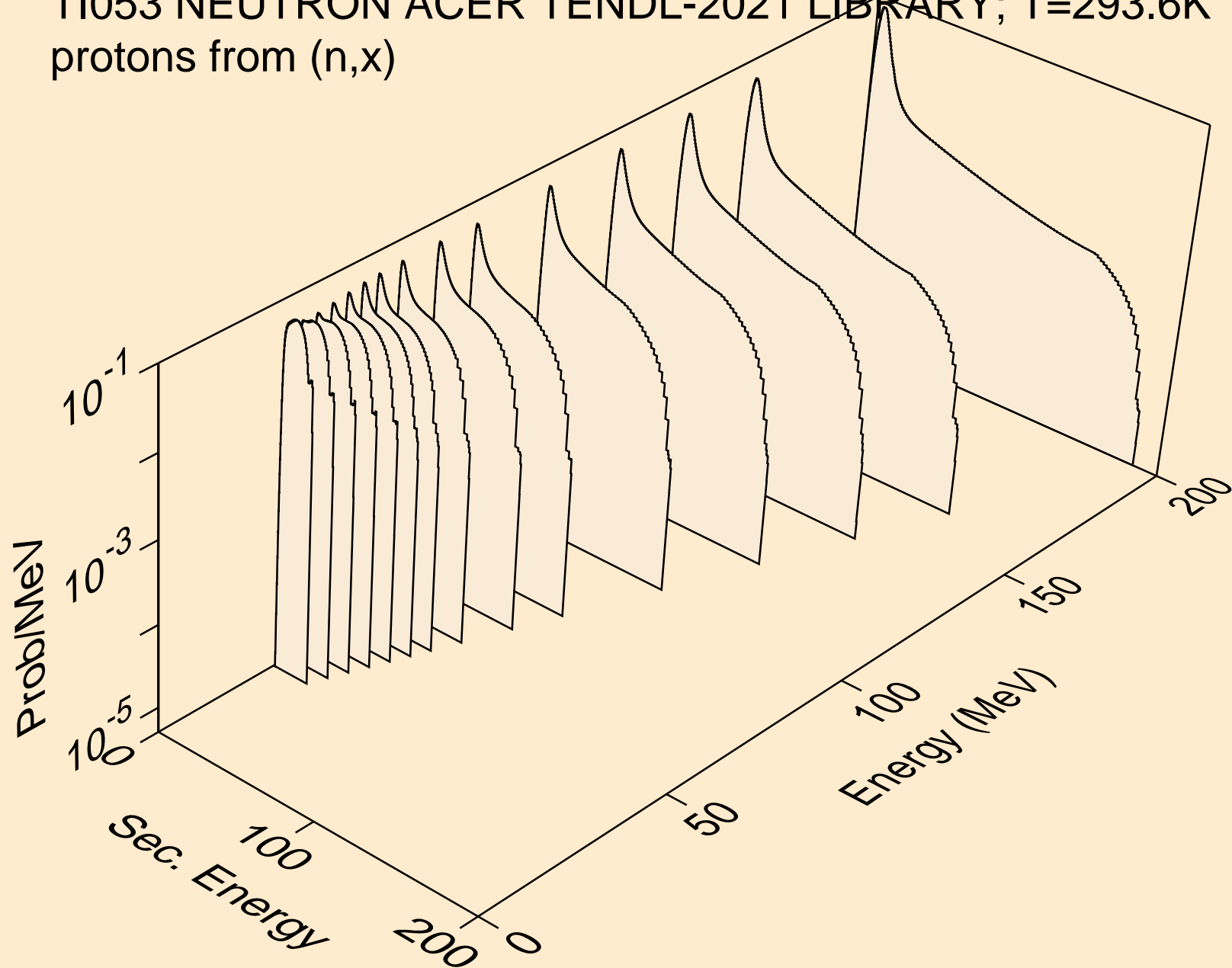
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Recoil Heating



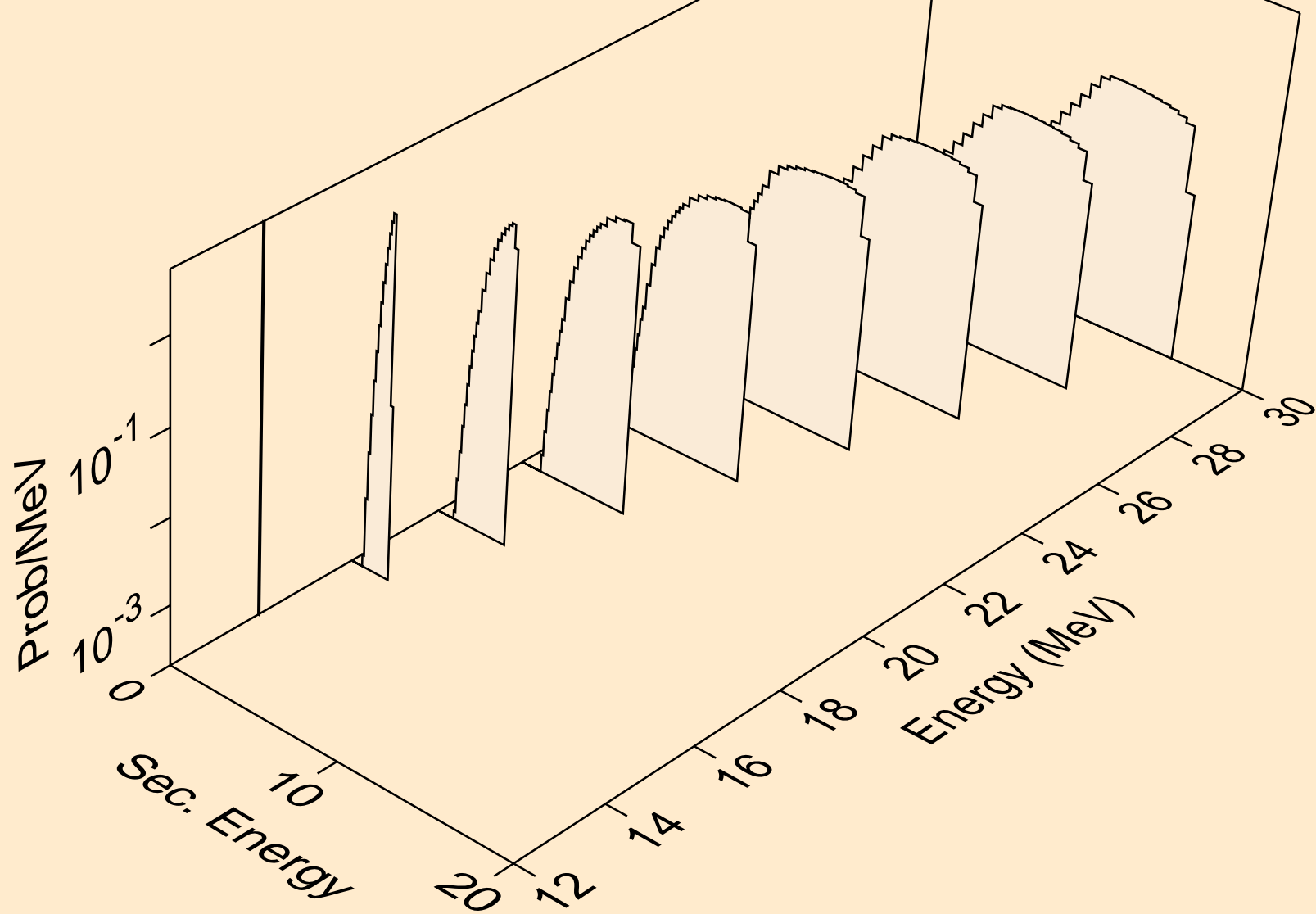
TI053 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Particle production cross sections



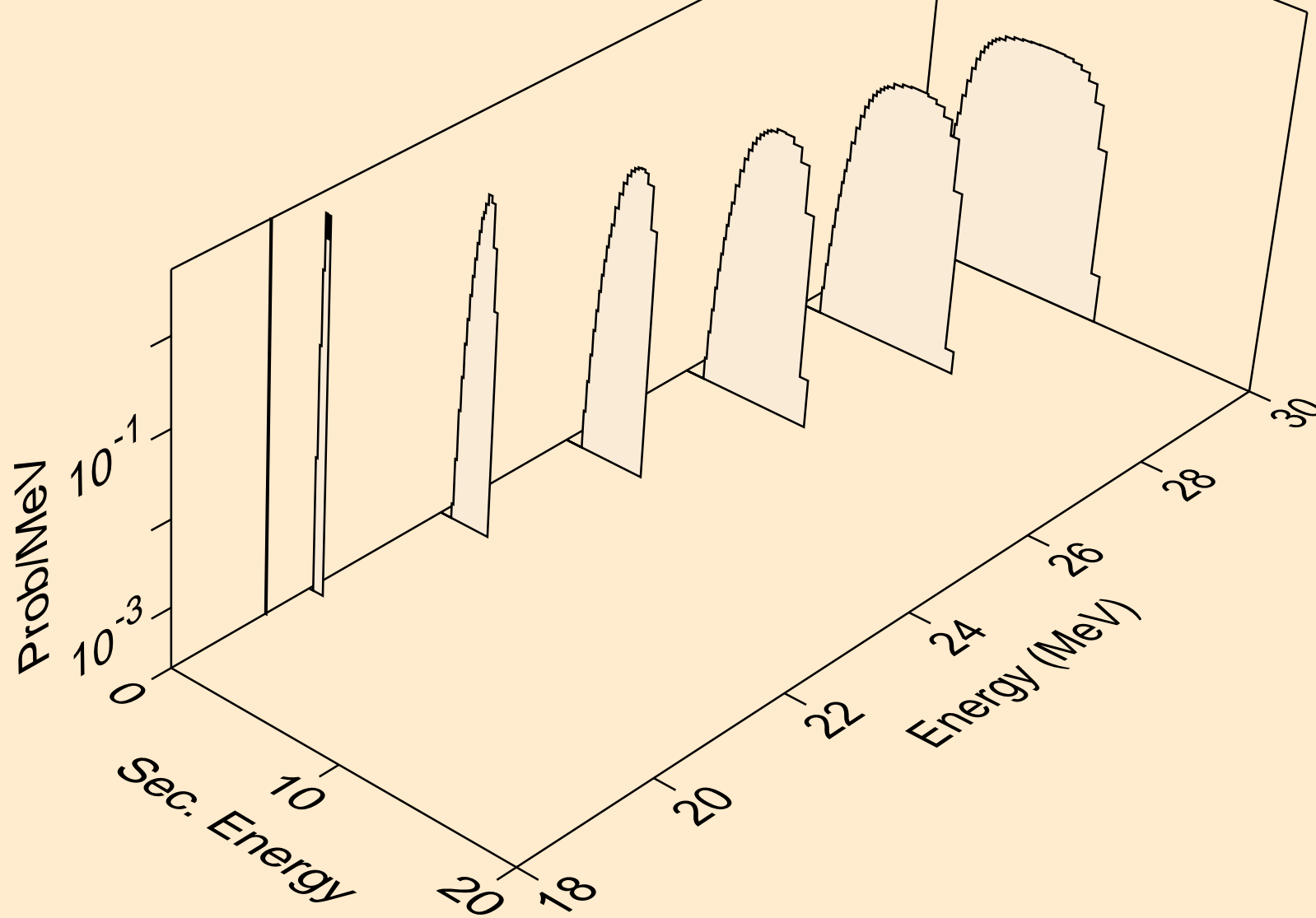
TI053 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,x)



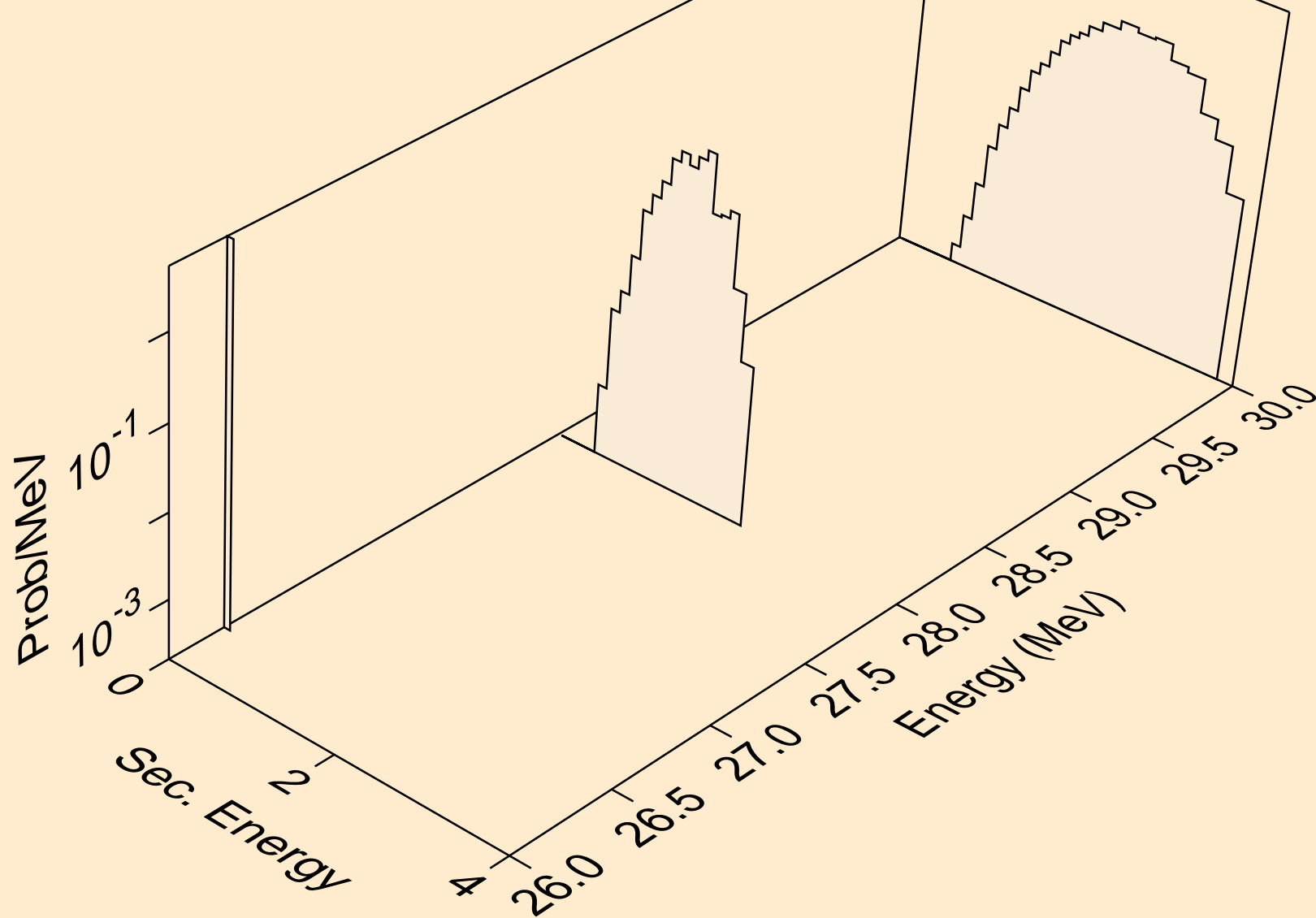
TI053 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,n\*)p



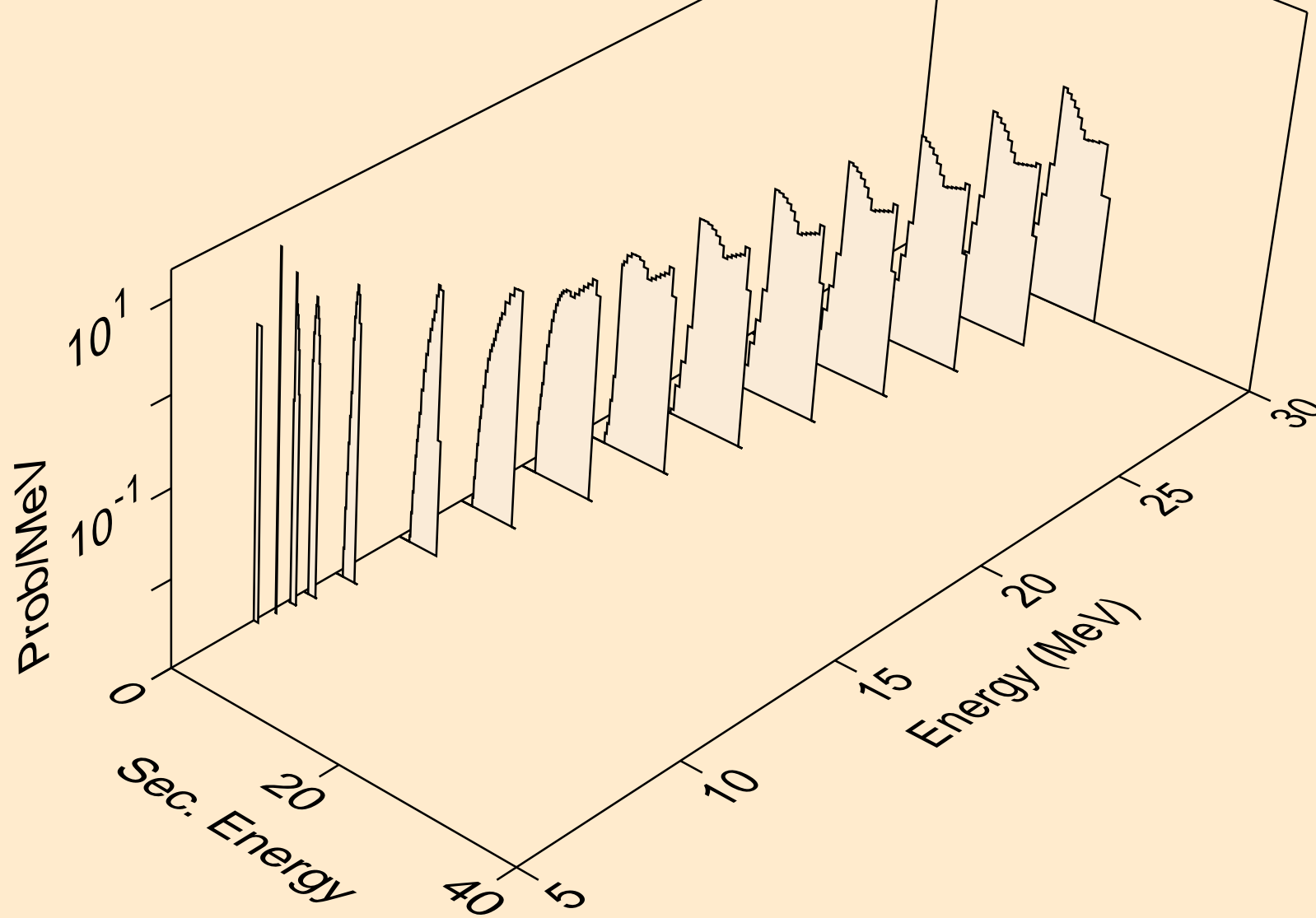
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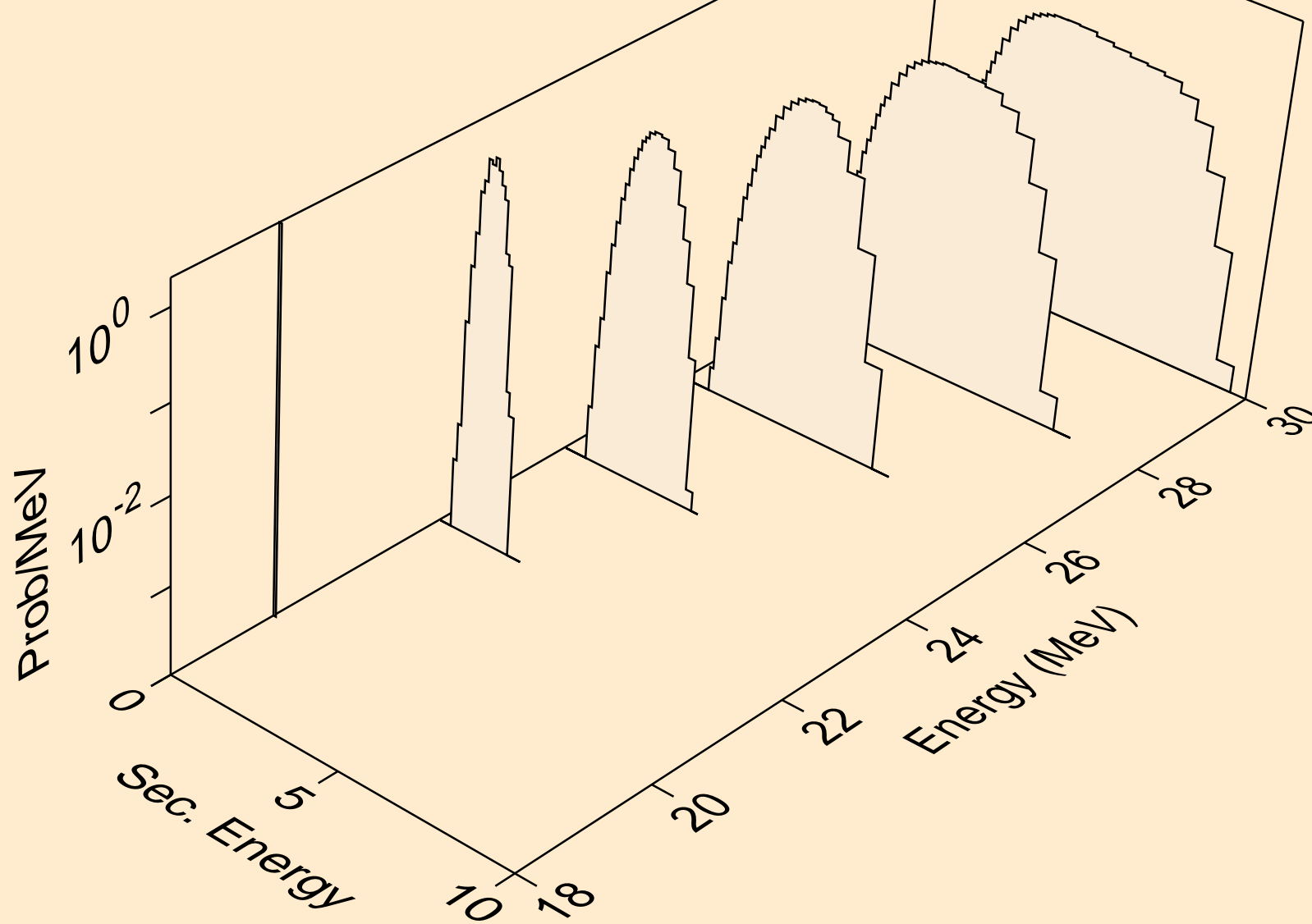
TI053 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,3np)



TI053 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,p)

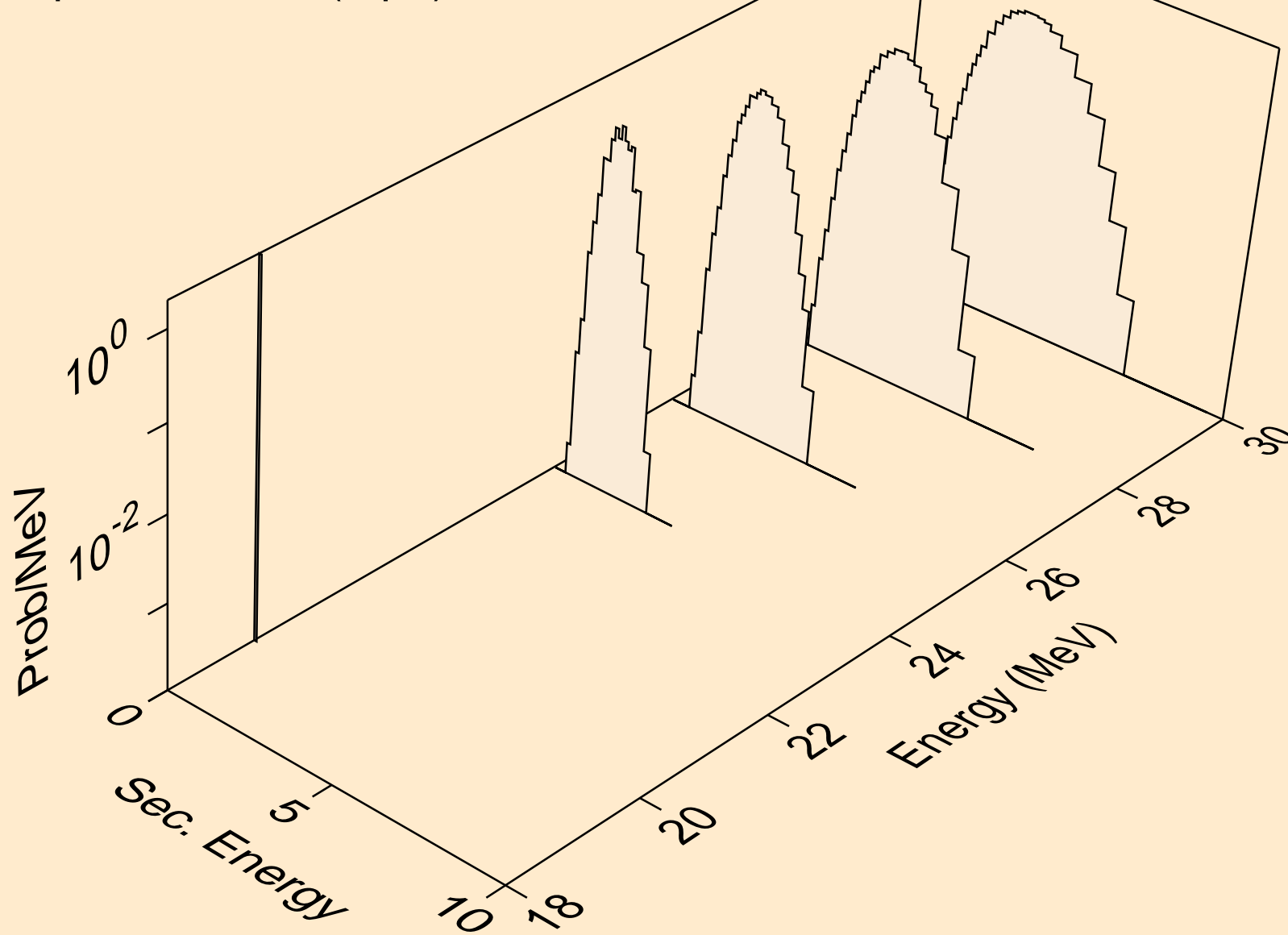


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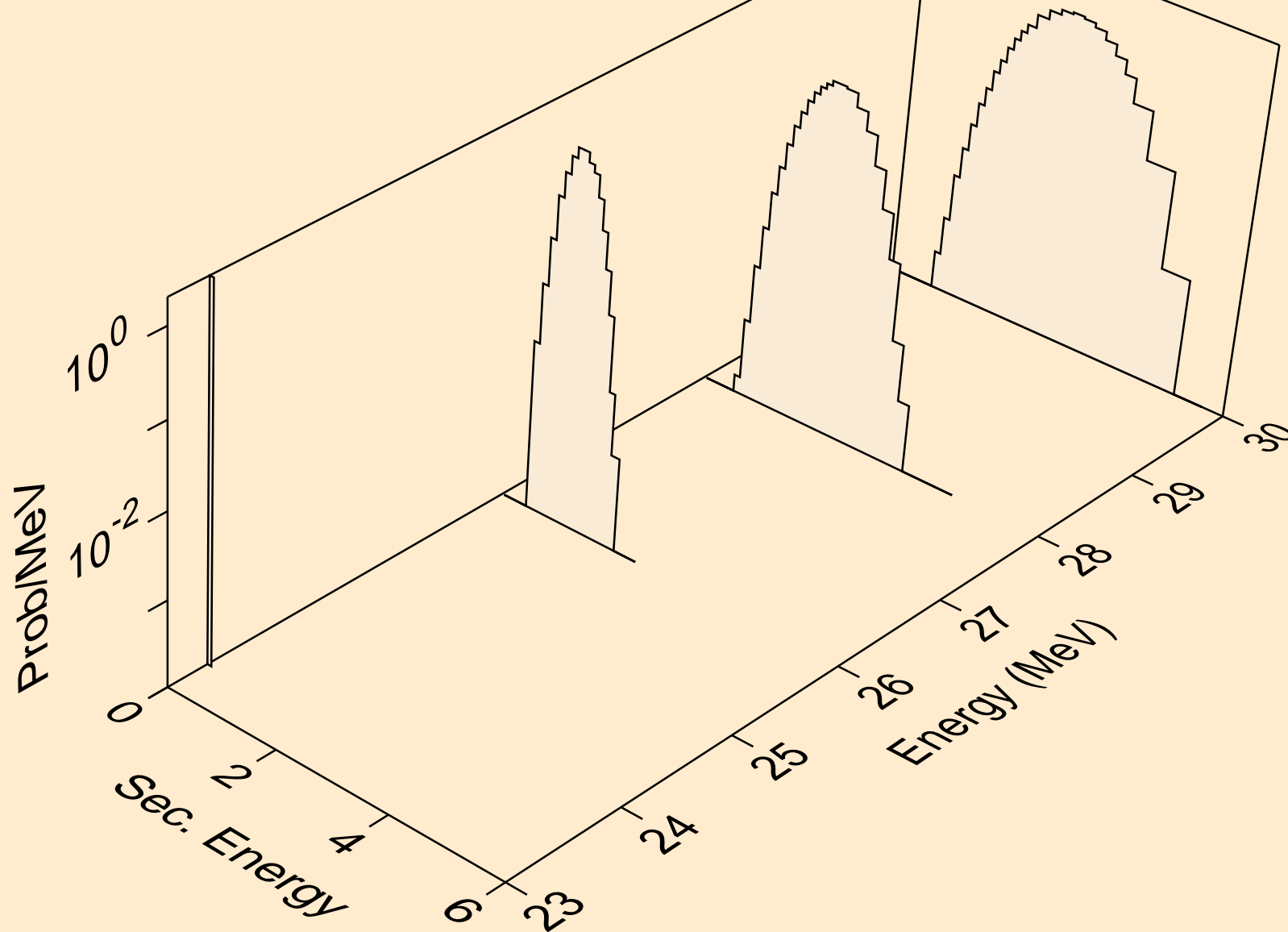




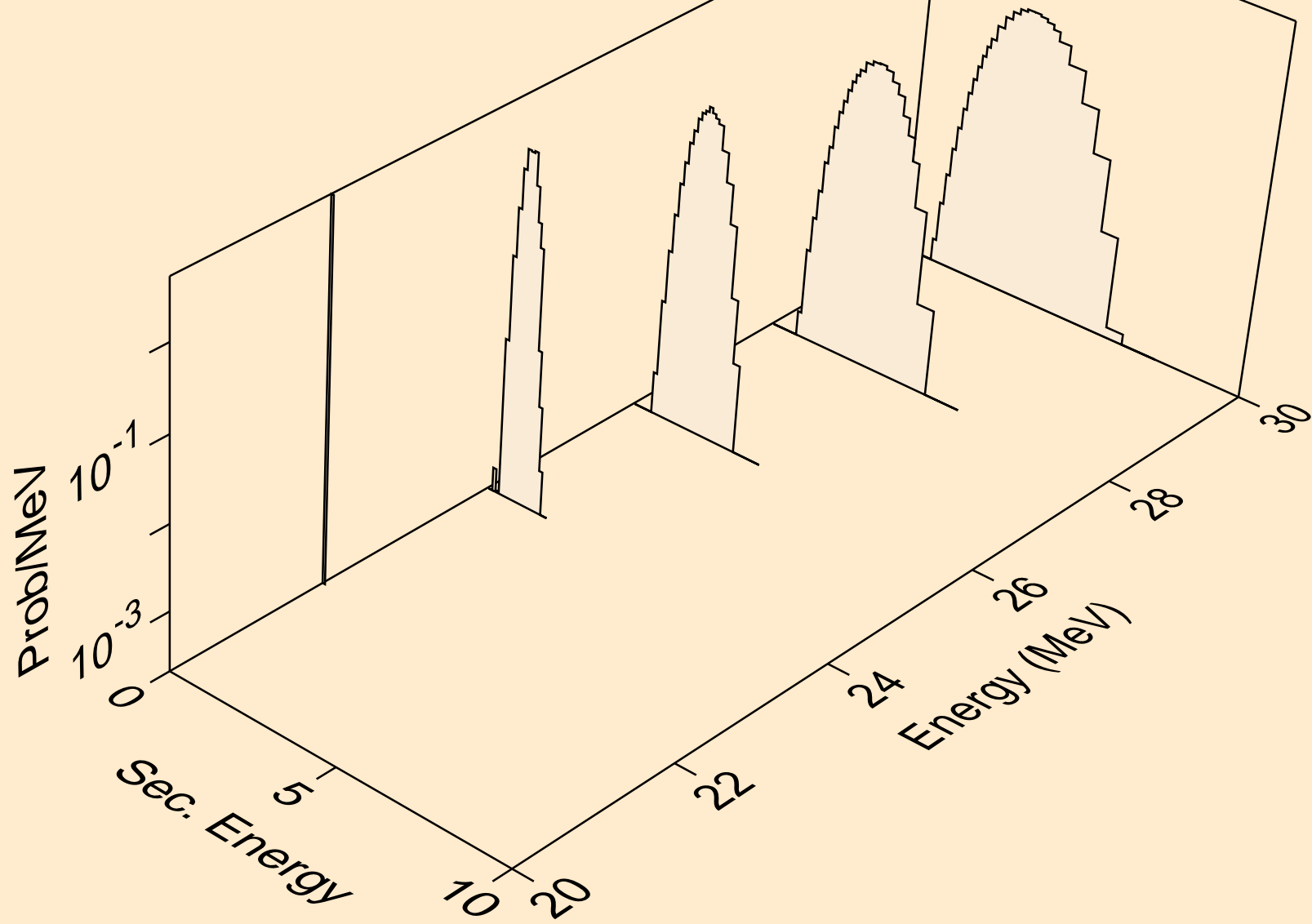
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protons from (n,pa)



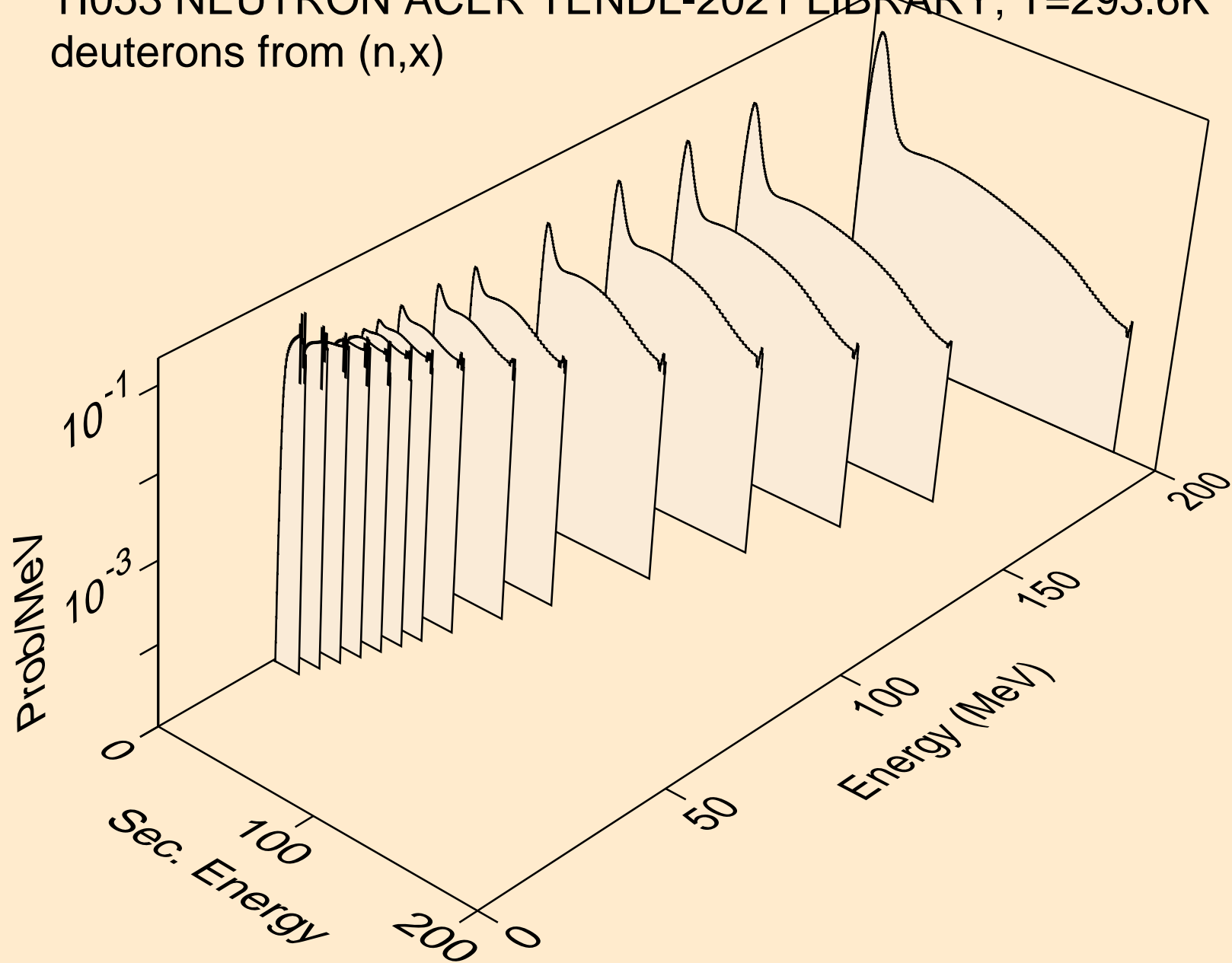
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protons from (n,pd)



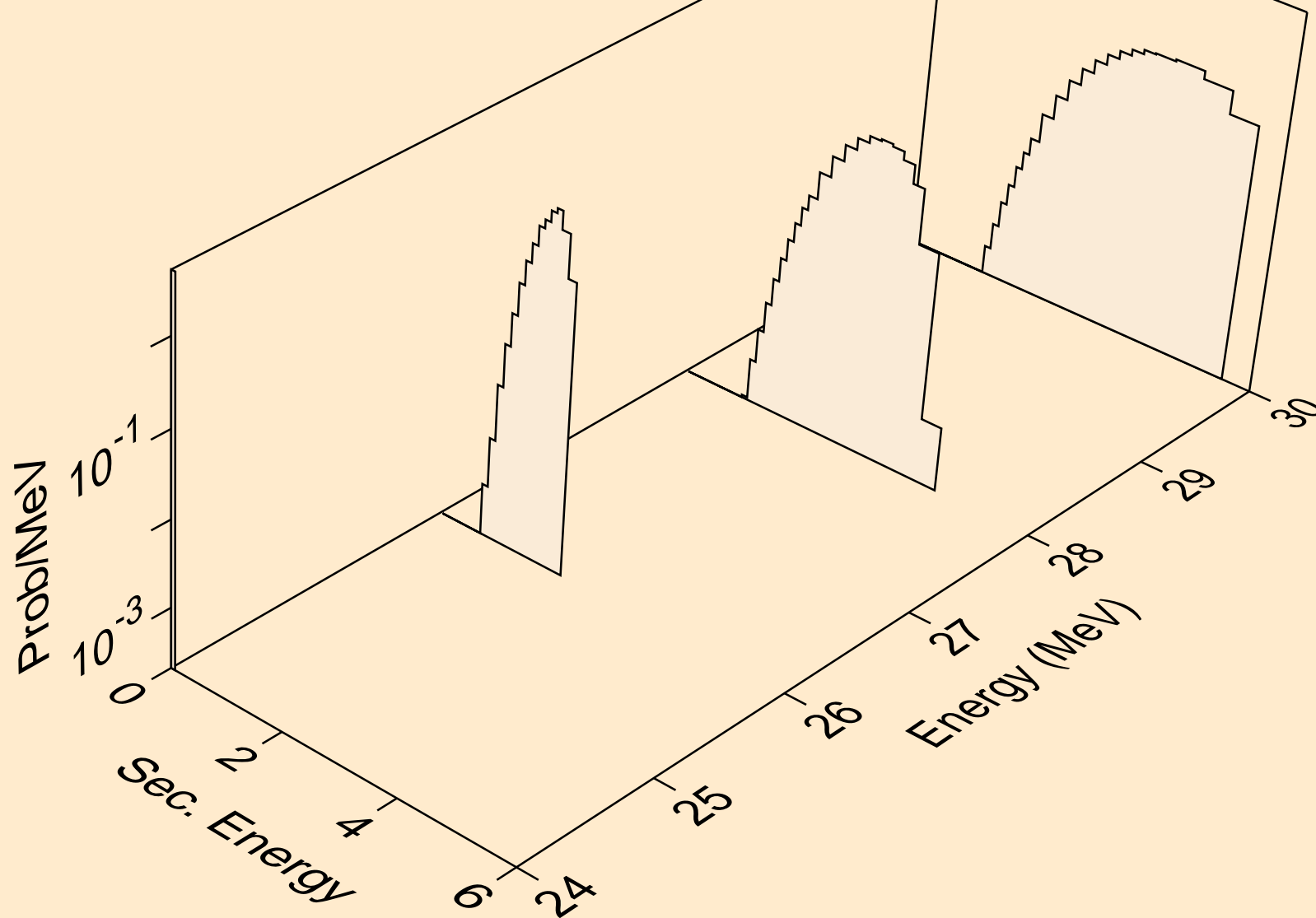
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protons from (n,pt)



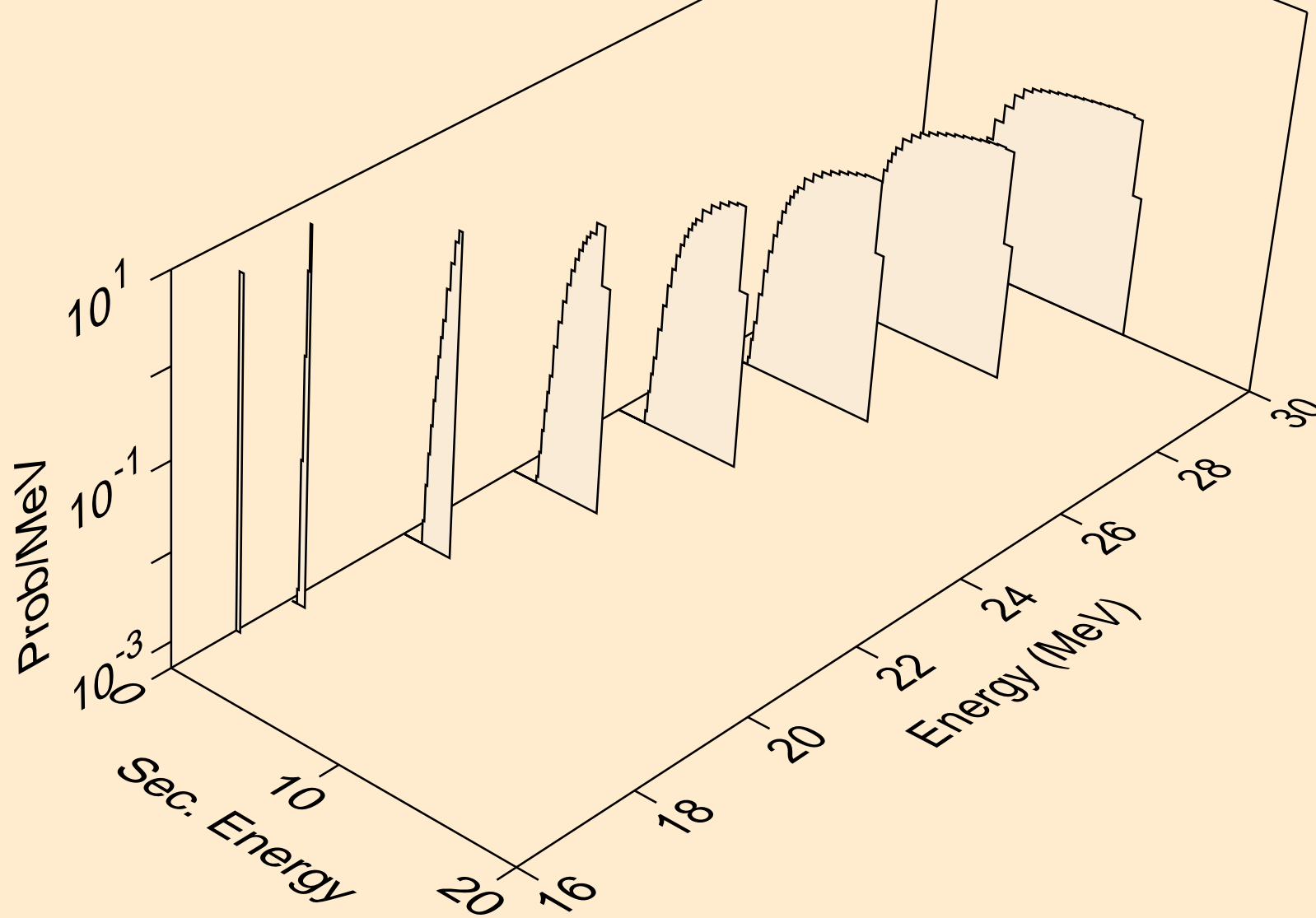
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deuterons from (n,x)



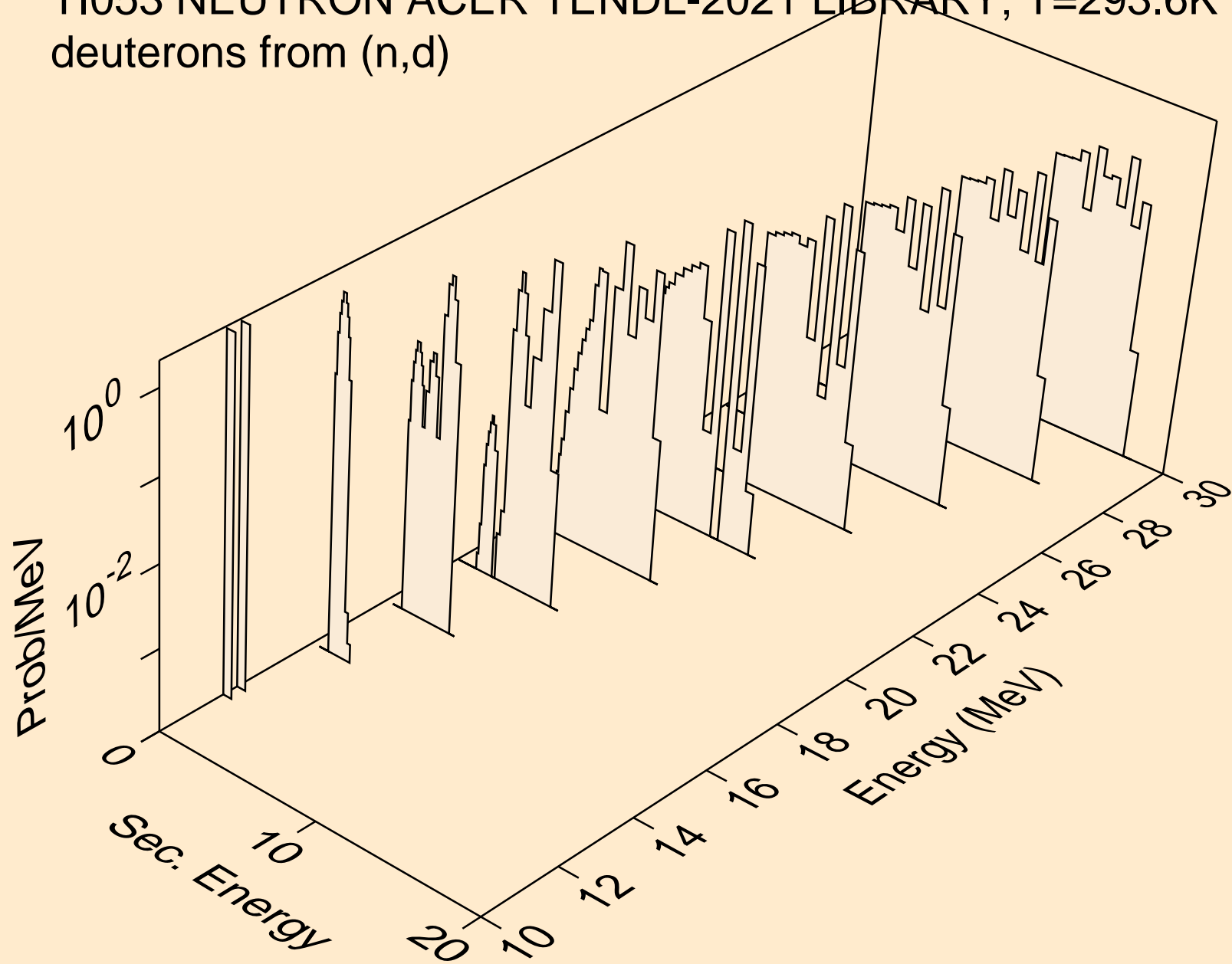
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deuterons from (n,2nd)



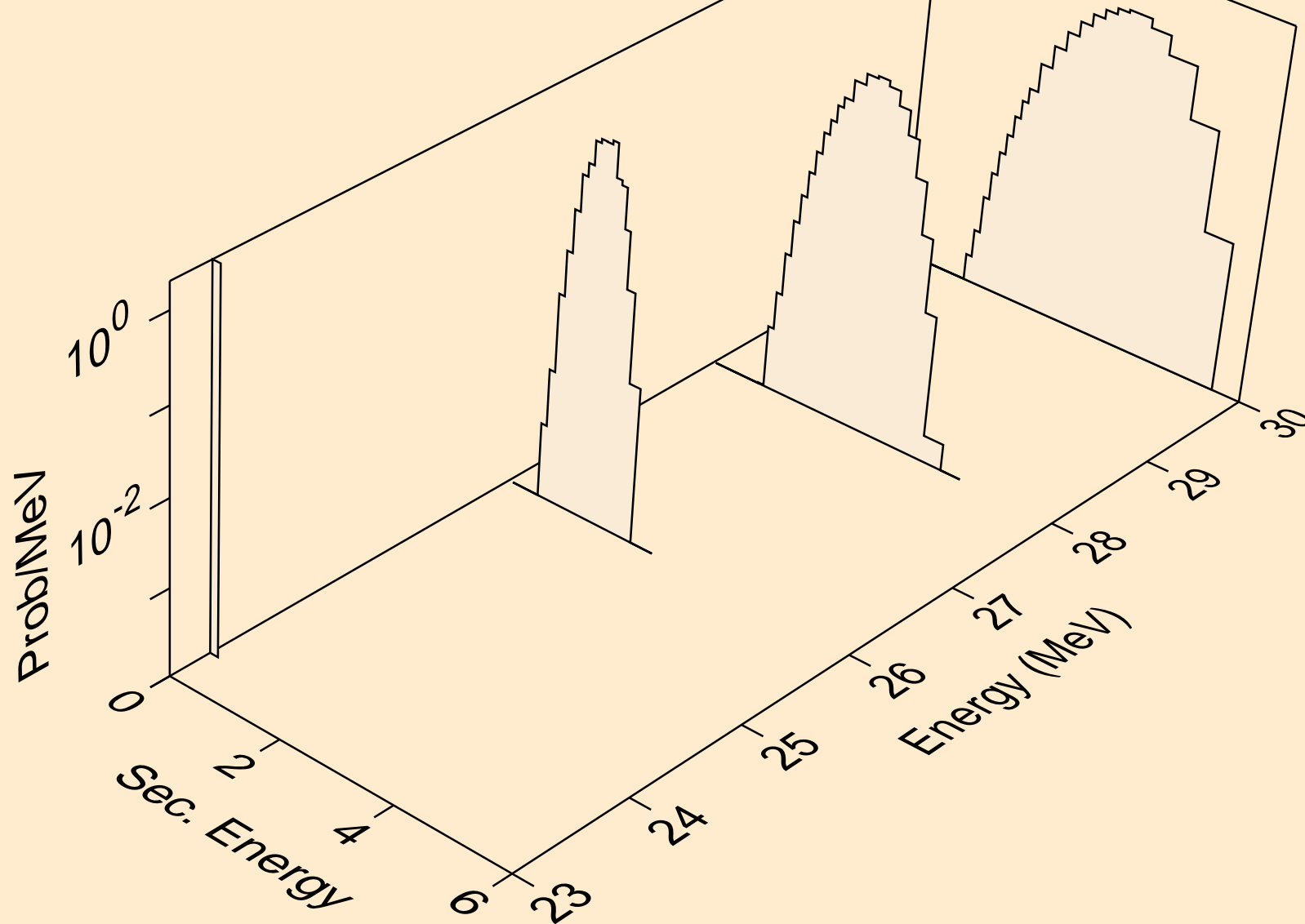
TI053 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,n\*)d



TI053 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
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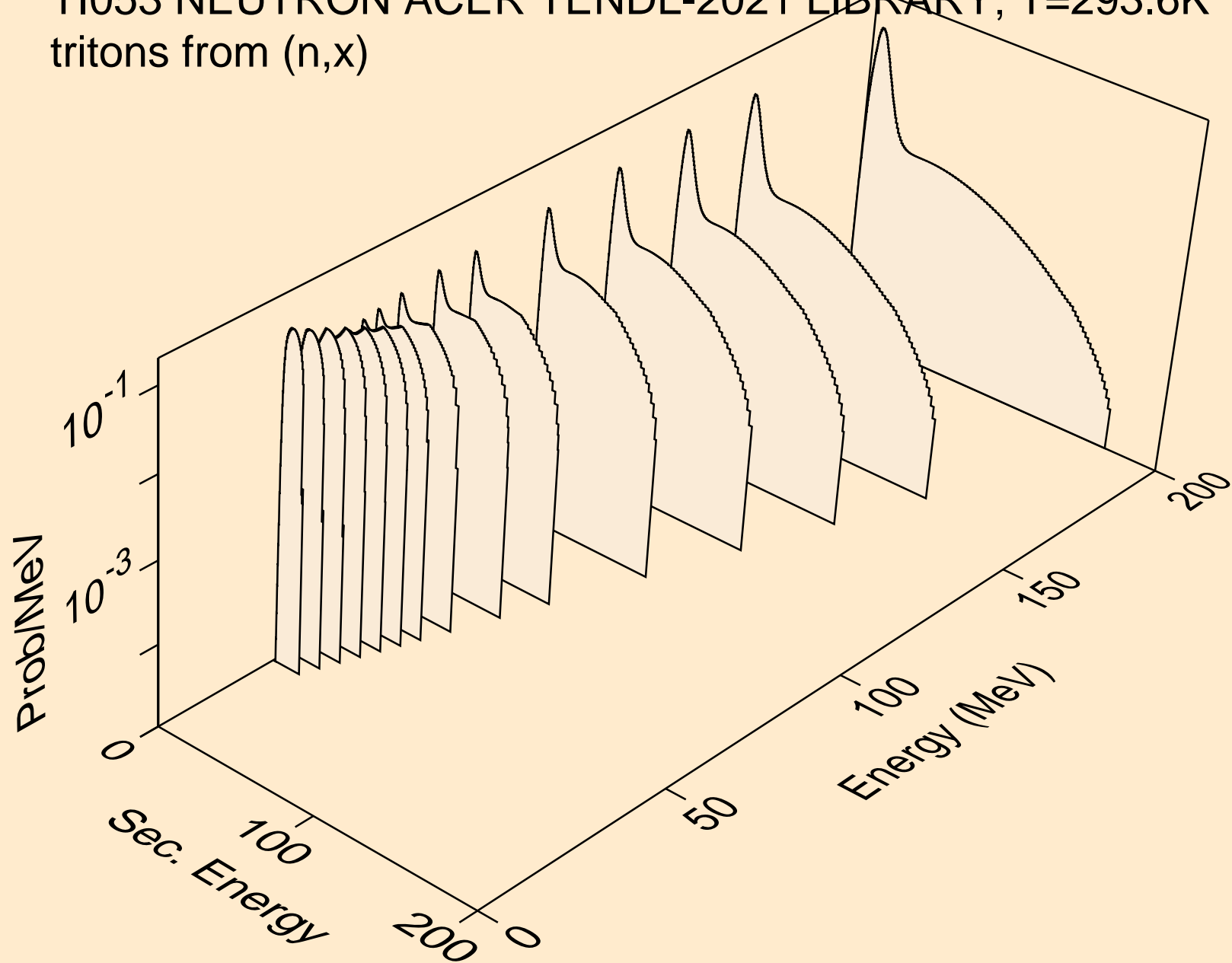


TI053 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,pd)

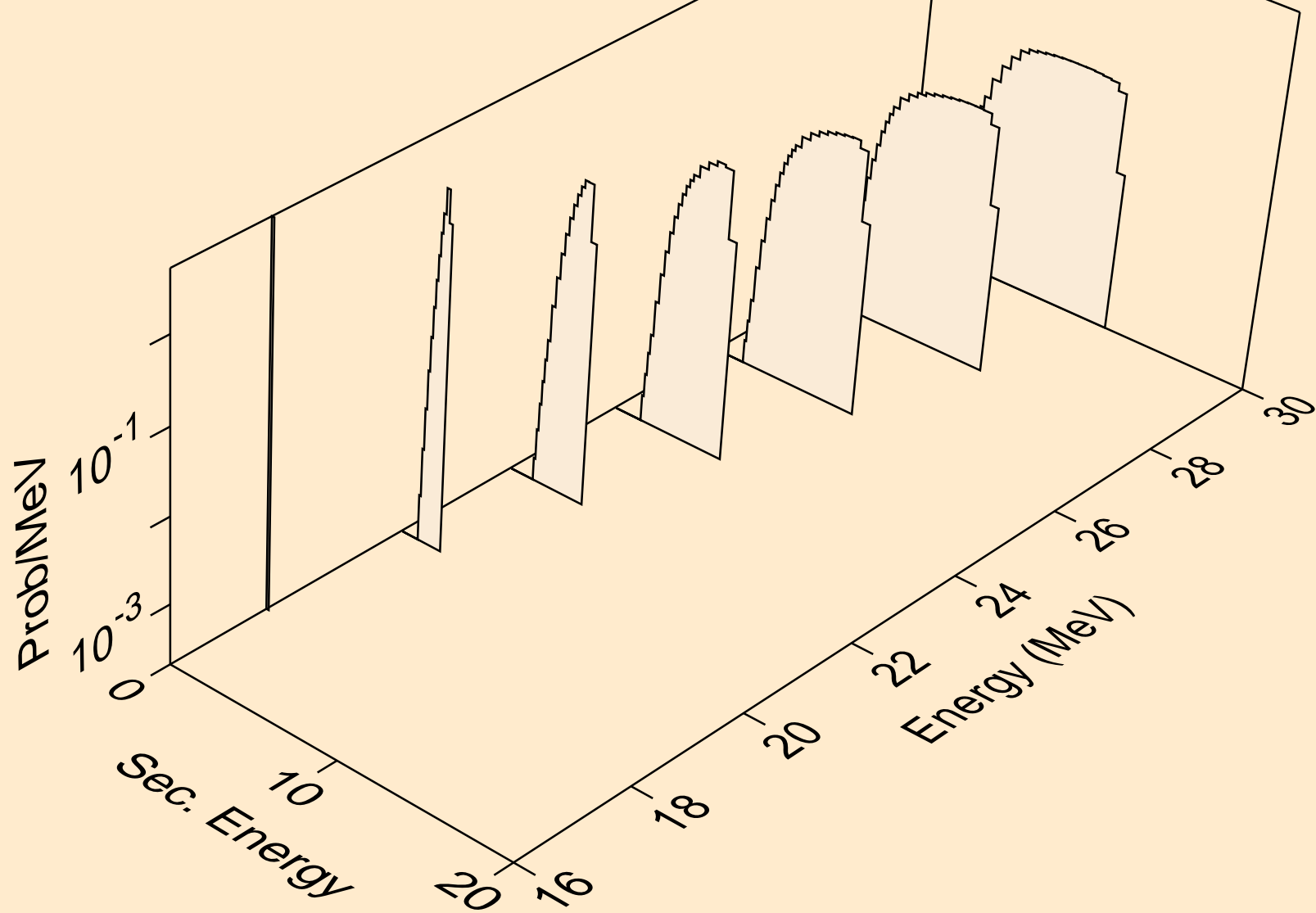




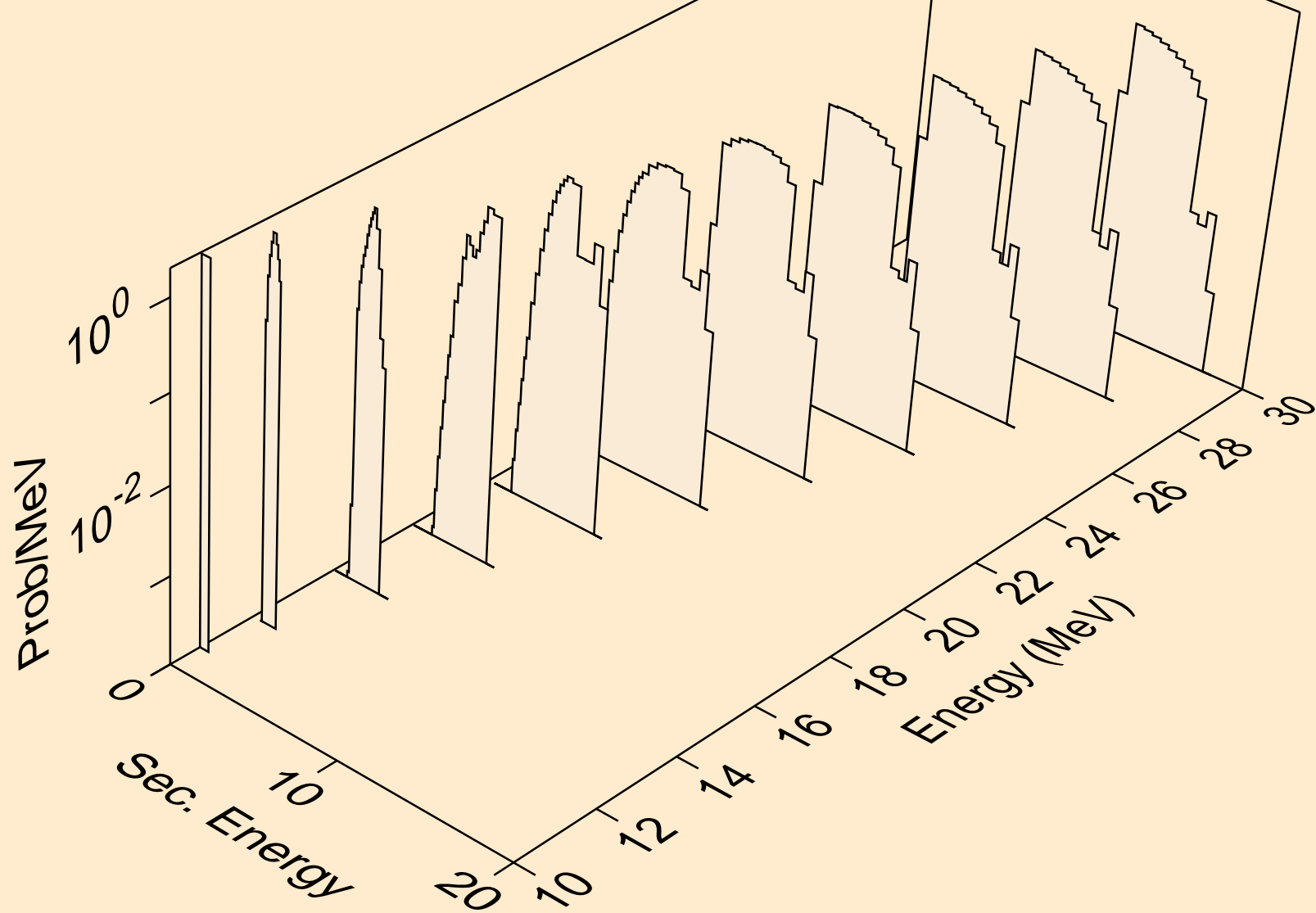
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tritons from (n,x)



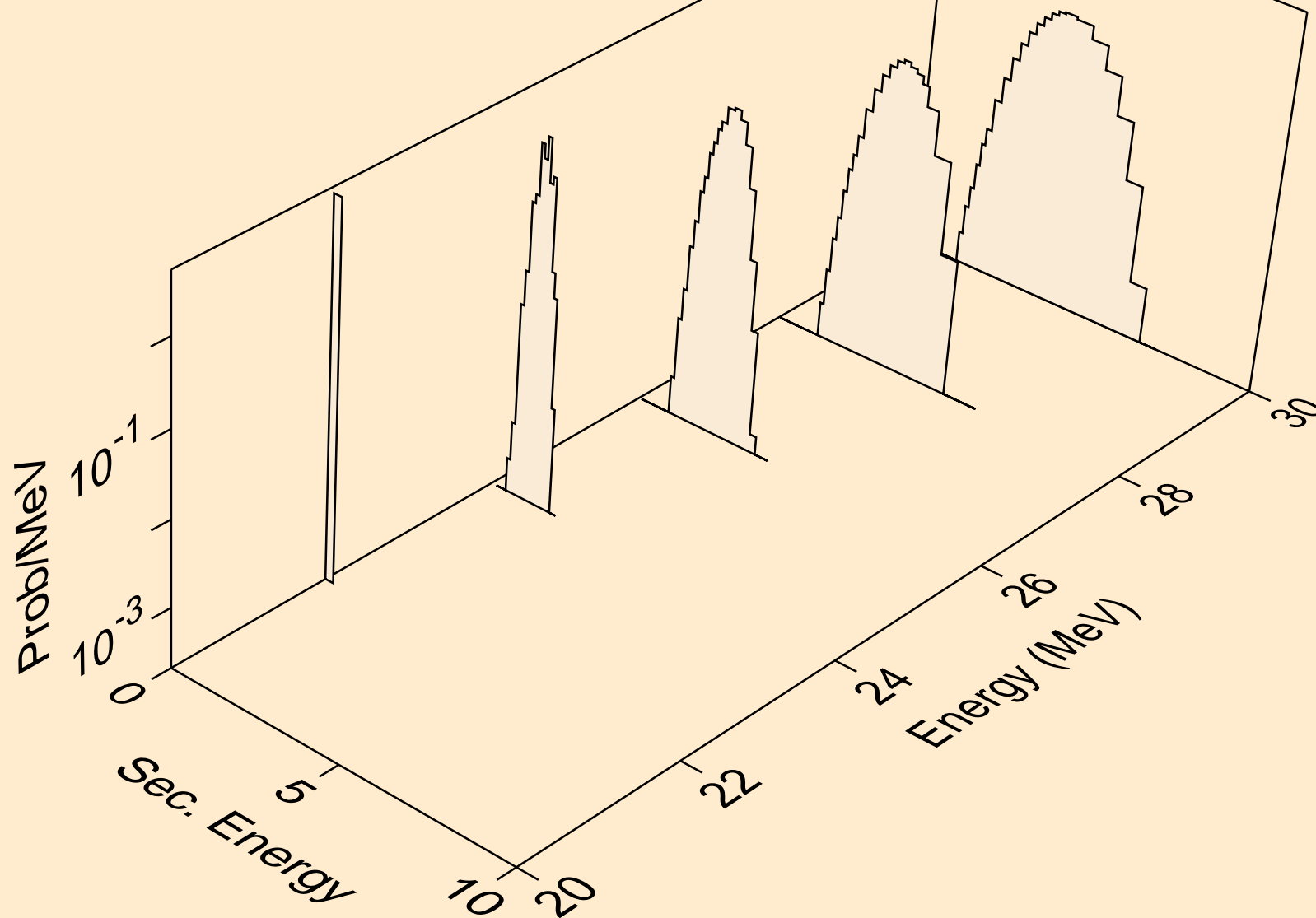
TI053 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,n\*)t



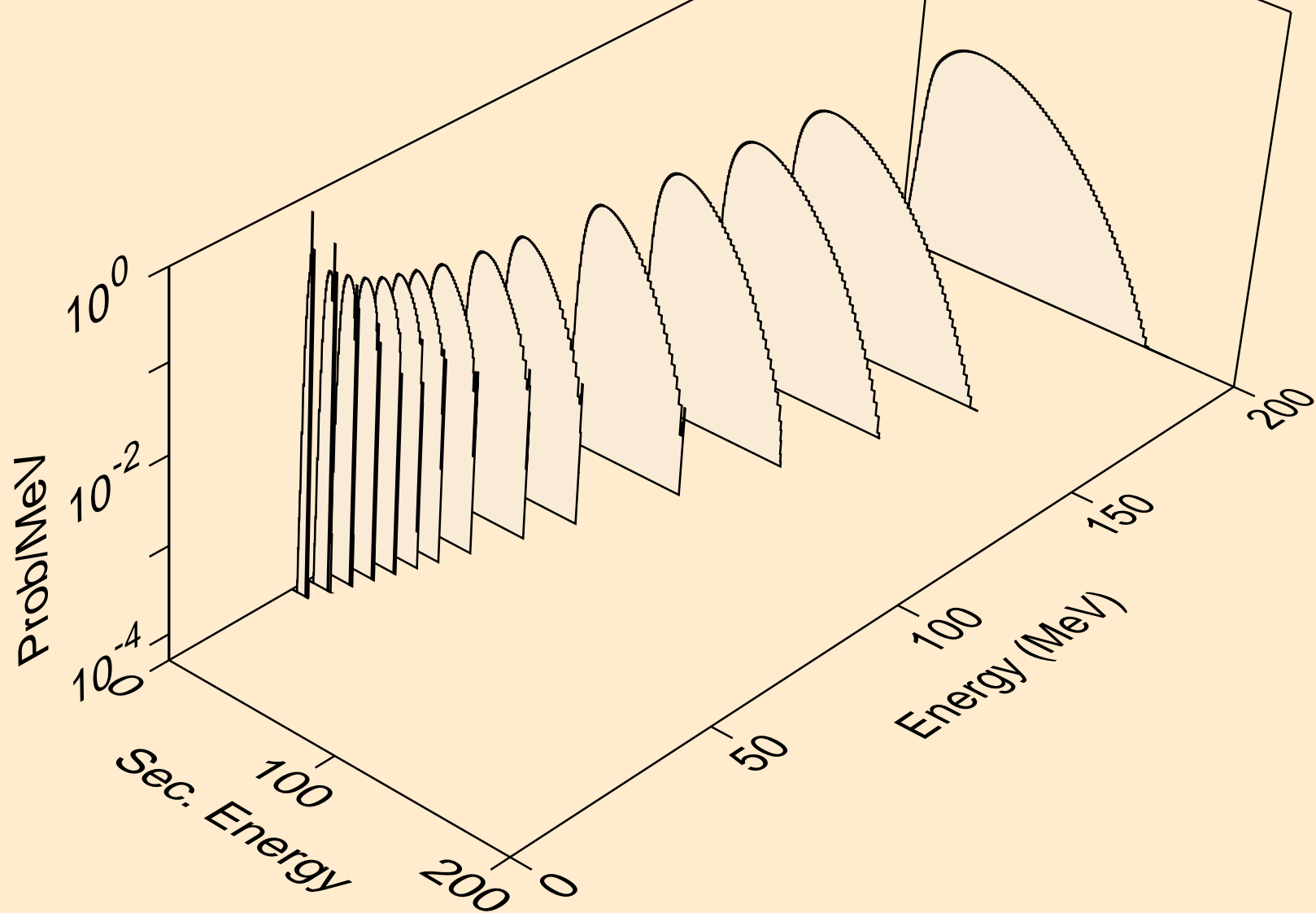
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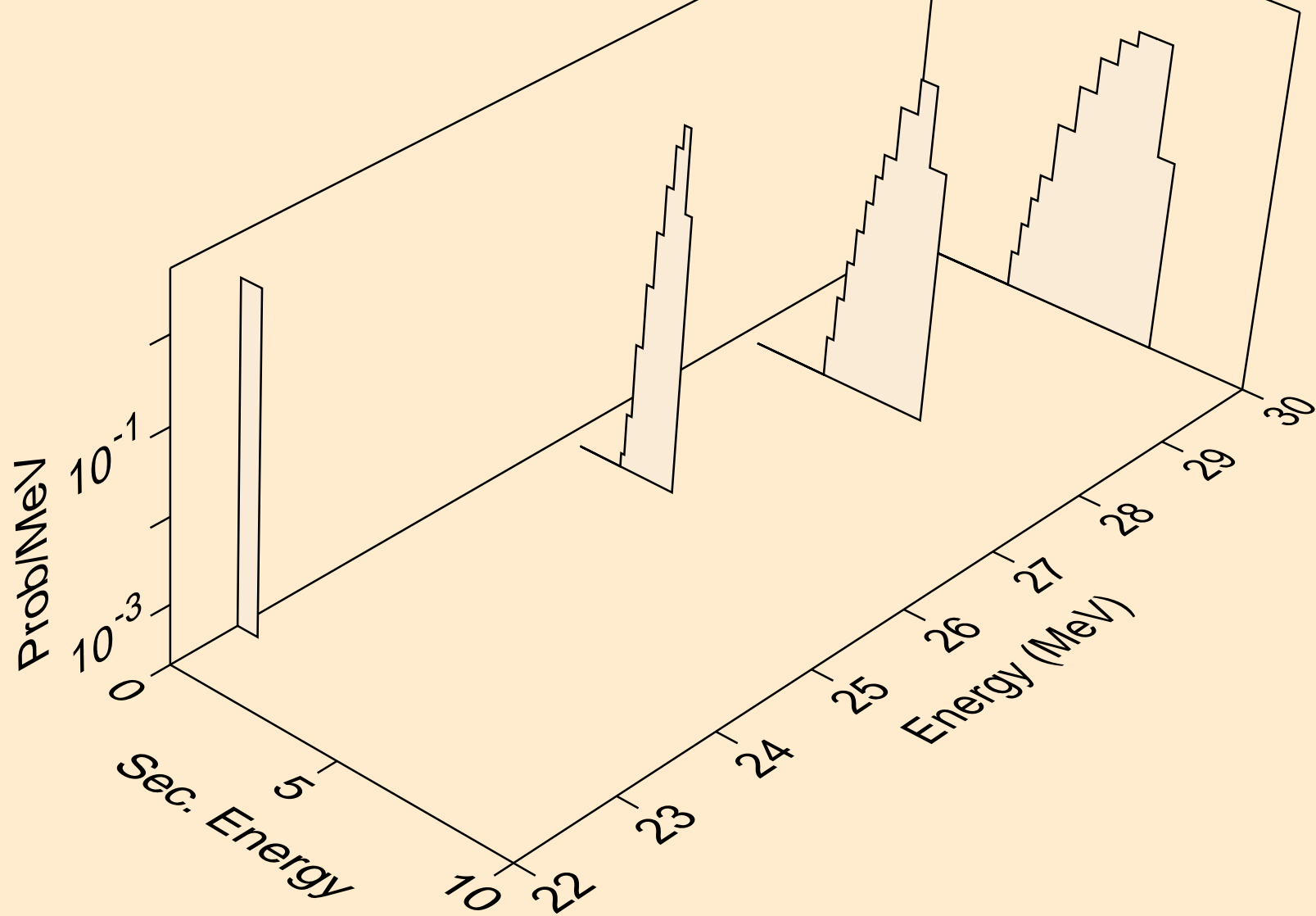
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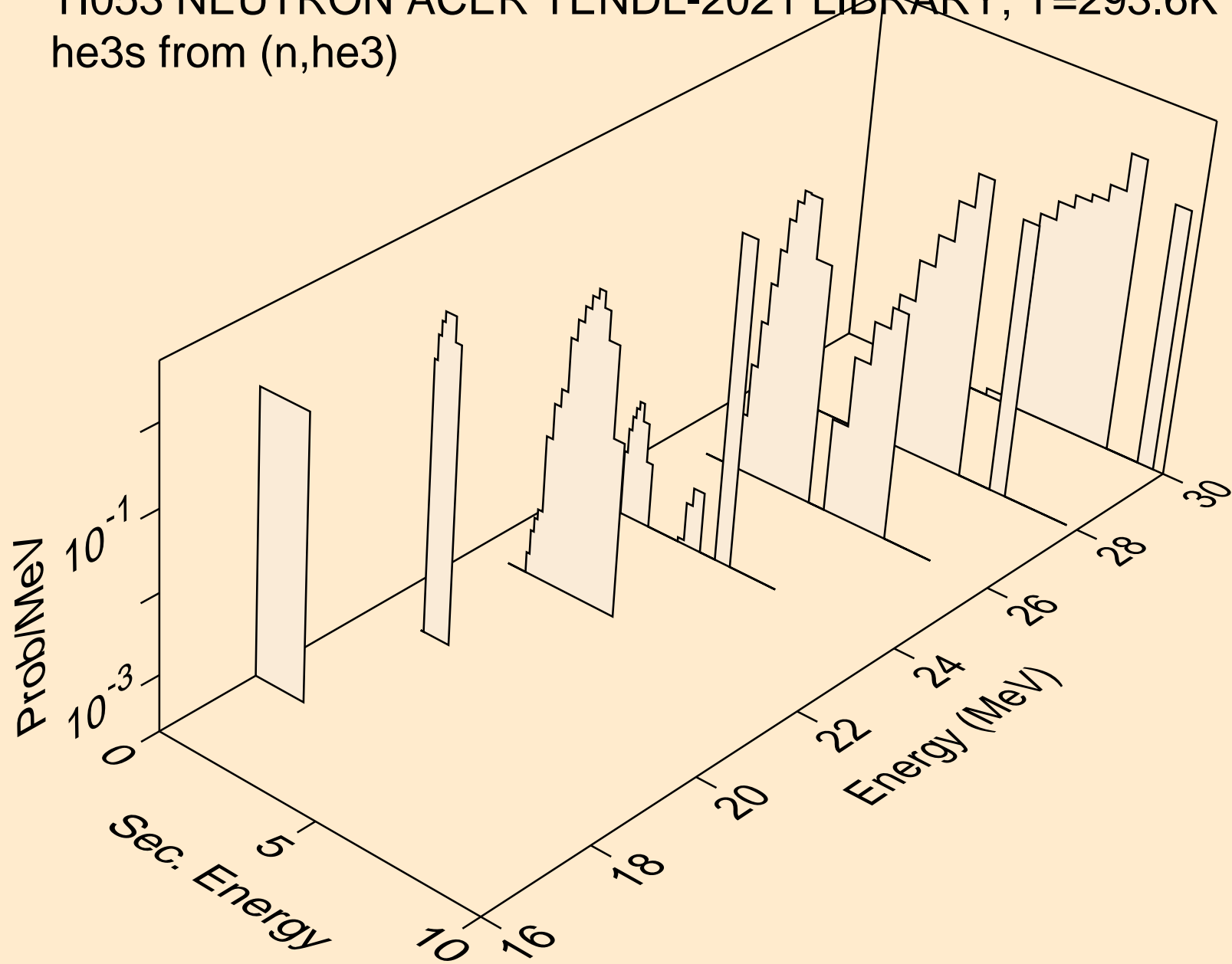
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he3s from (n,x)



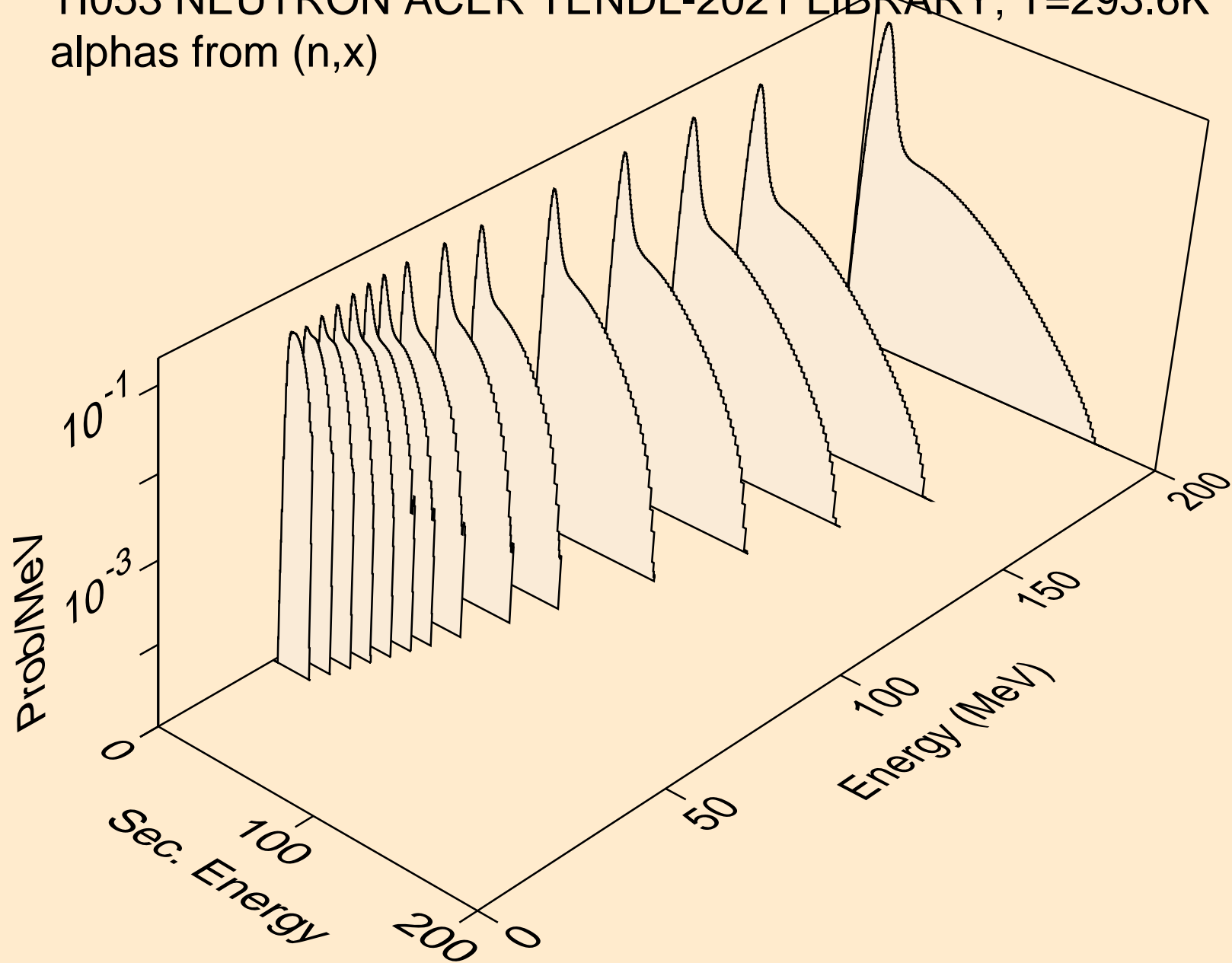
TI053 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
he3s from (n,n\*)he3



TI053 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
he3s from (n,he3)

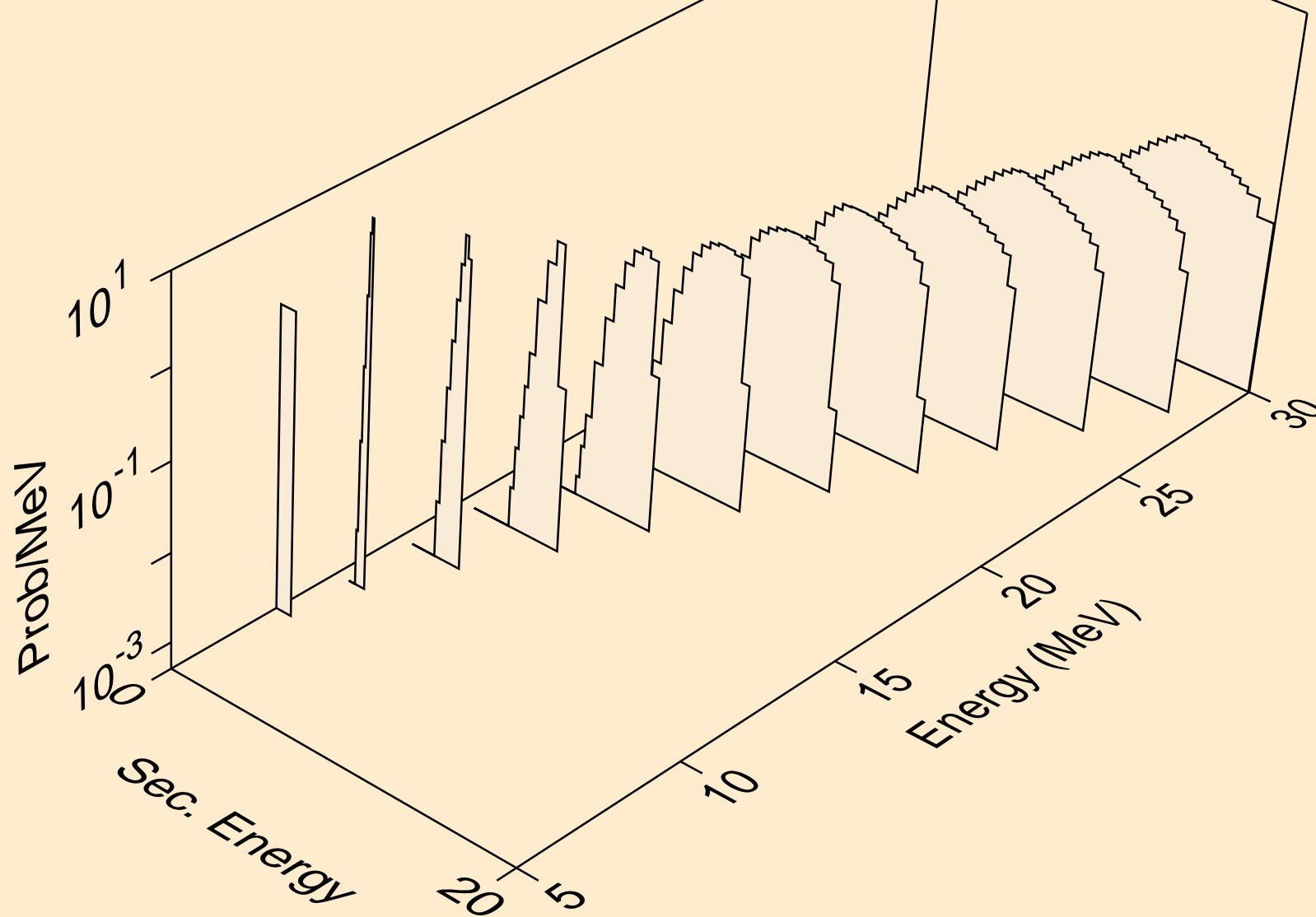


TI053 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,x)

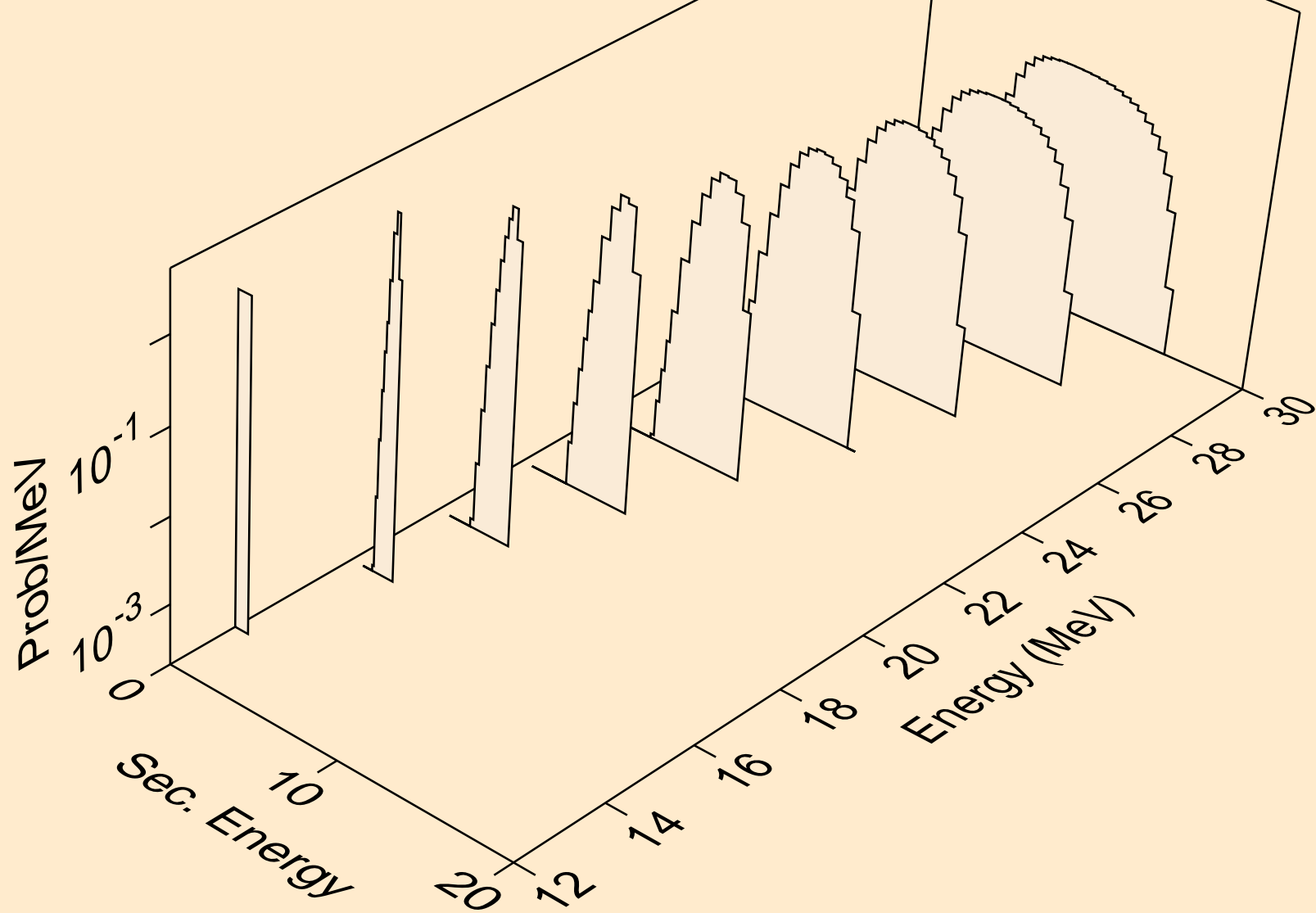




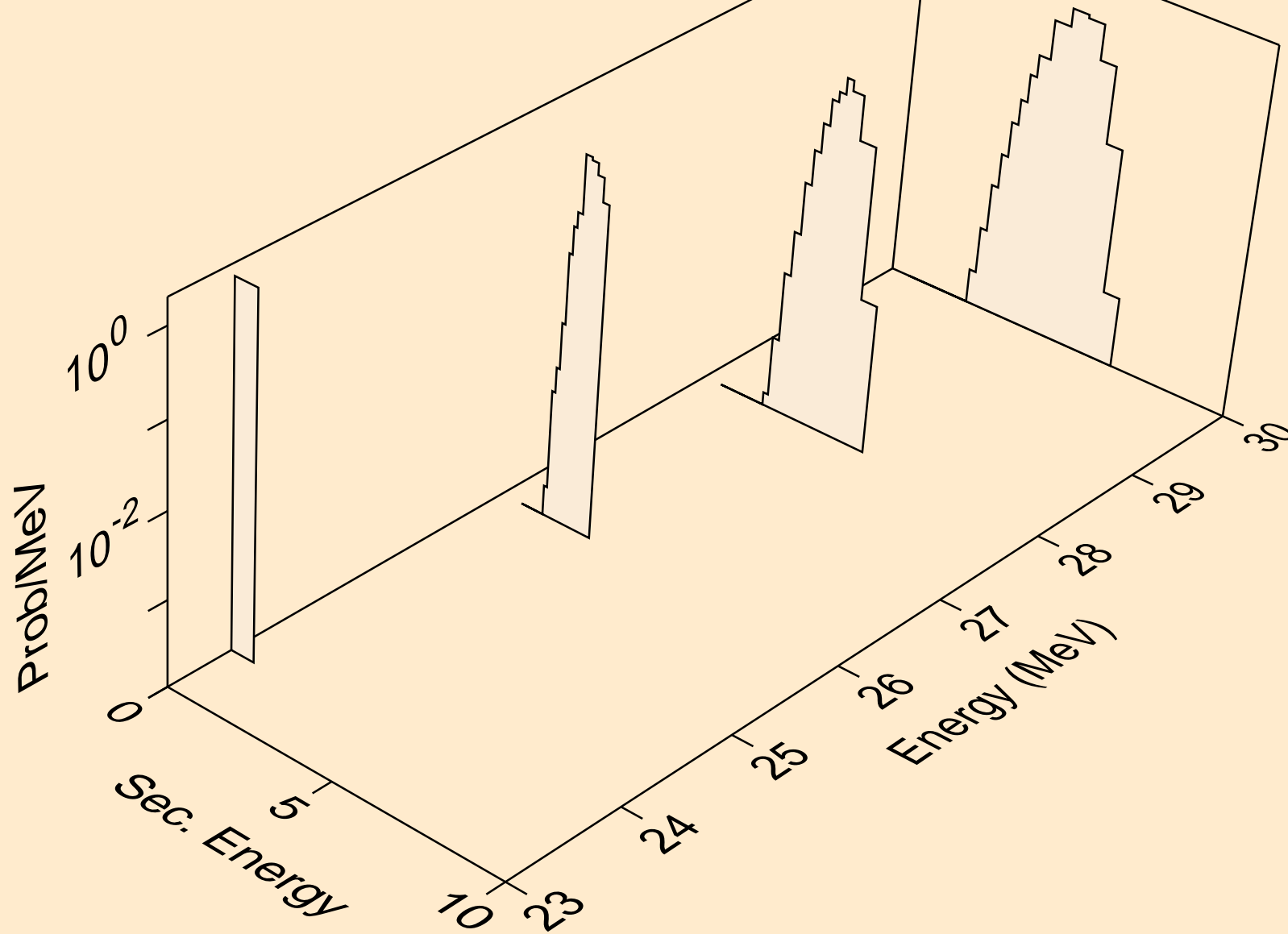
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alphas from (n,n\*)a



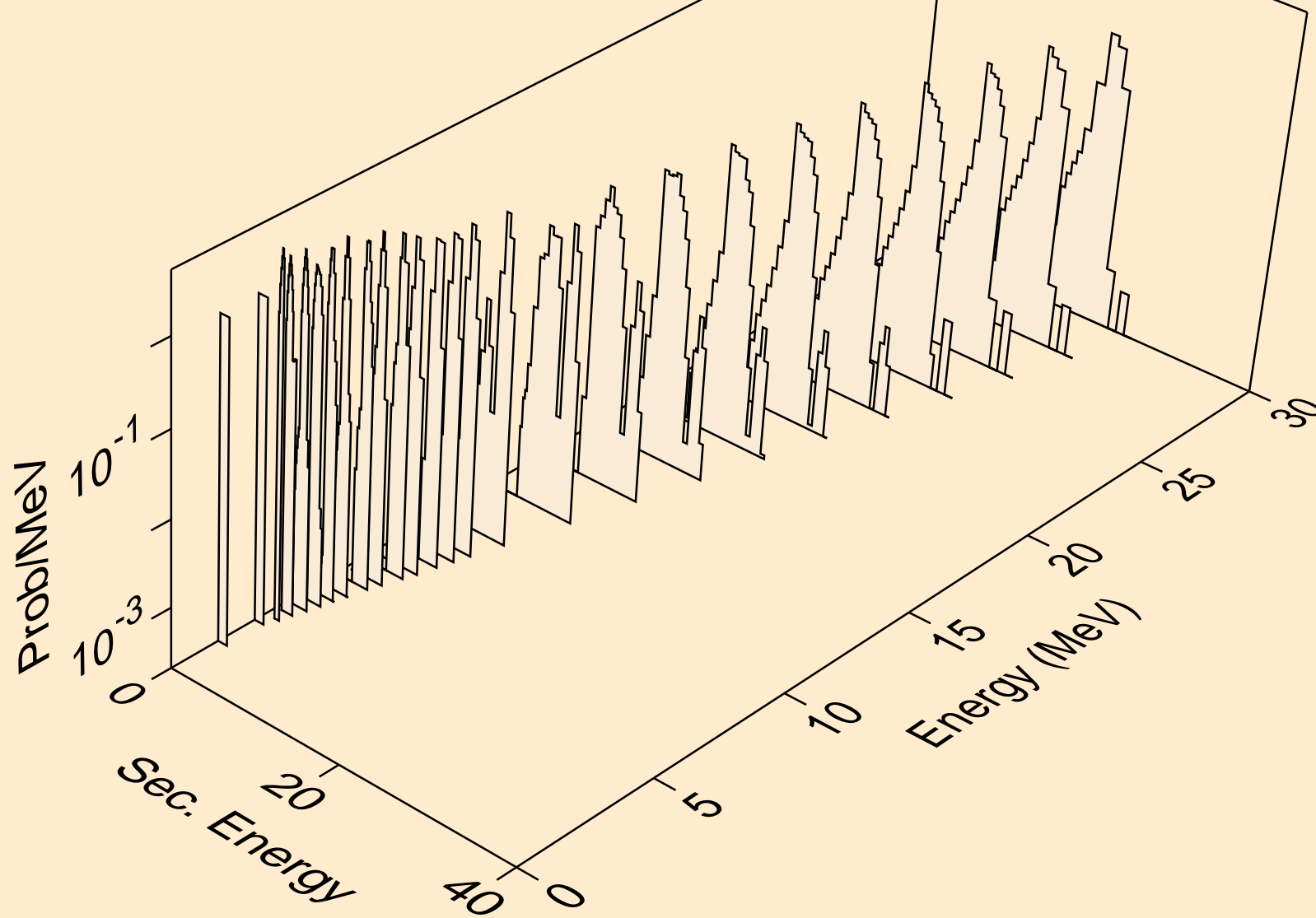
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alphas from (n,2n)a



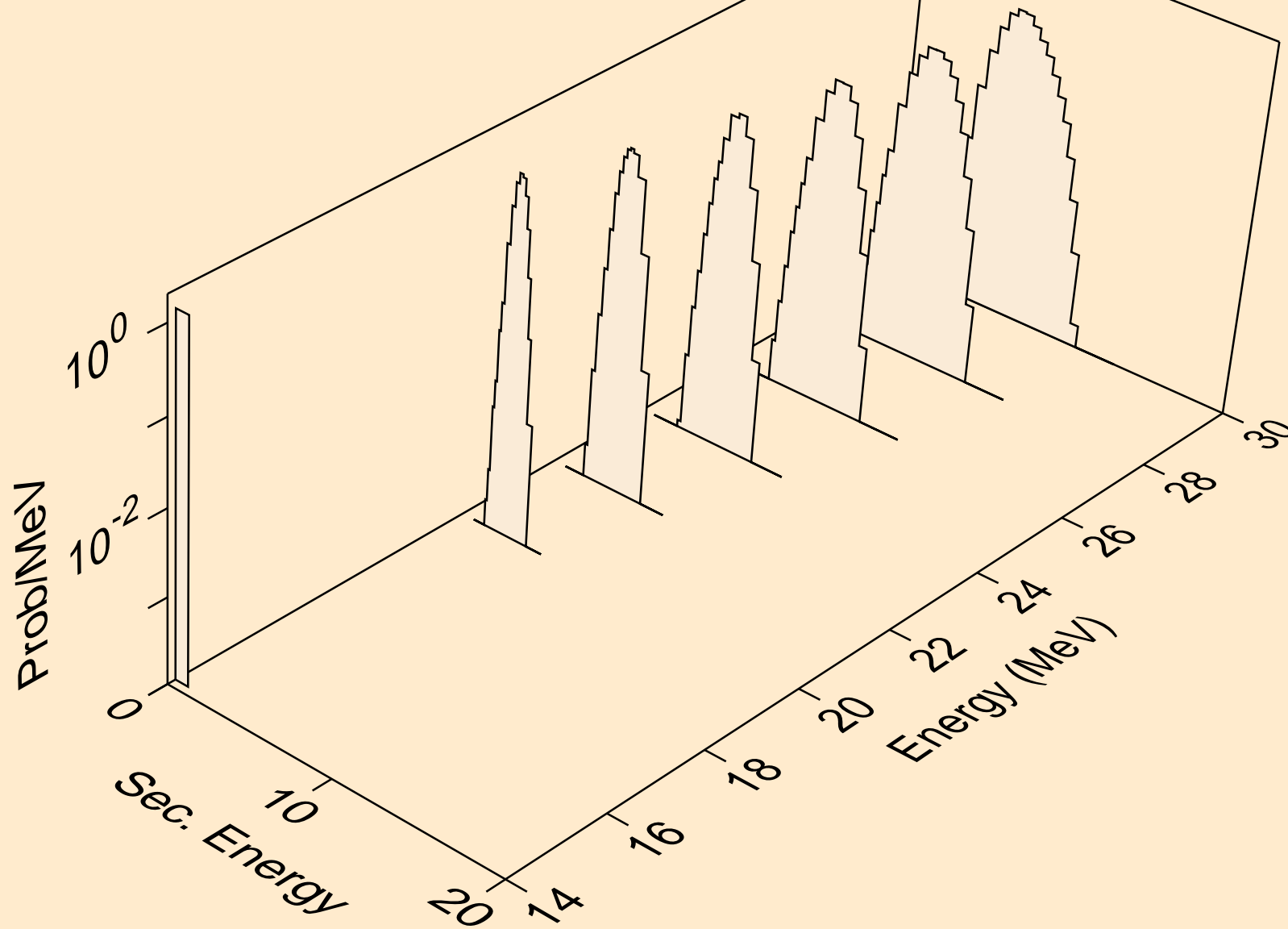
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alphas from (n,3n)a



TI053 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,a)



TI053 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2a)



TI053 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,pa)

