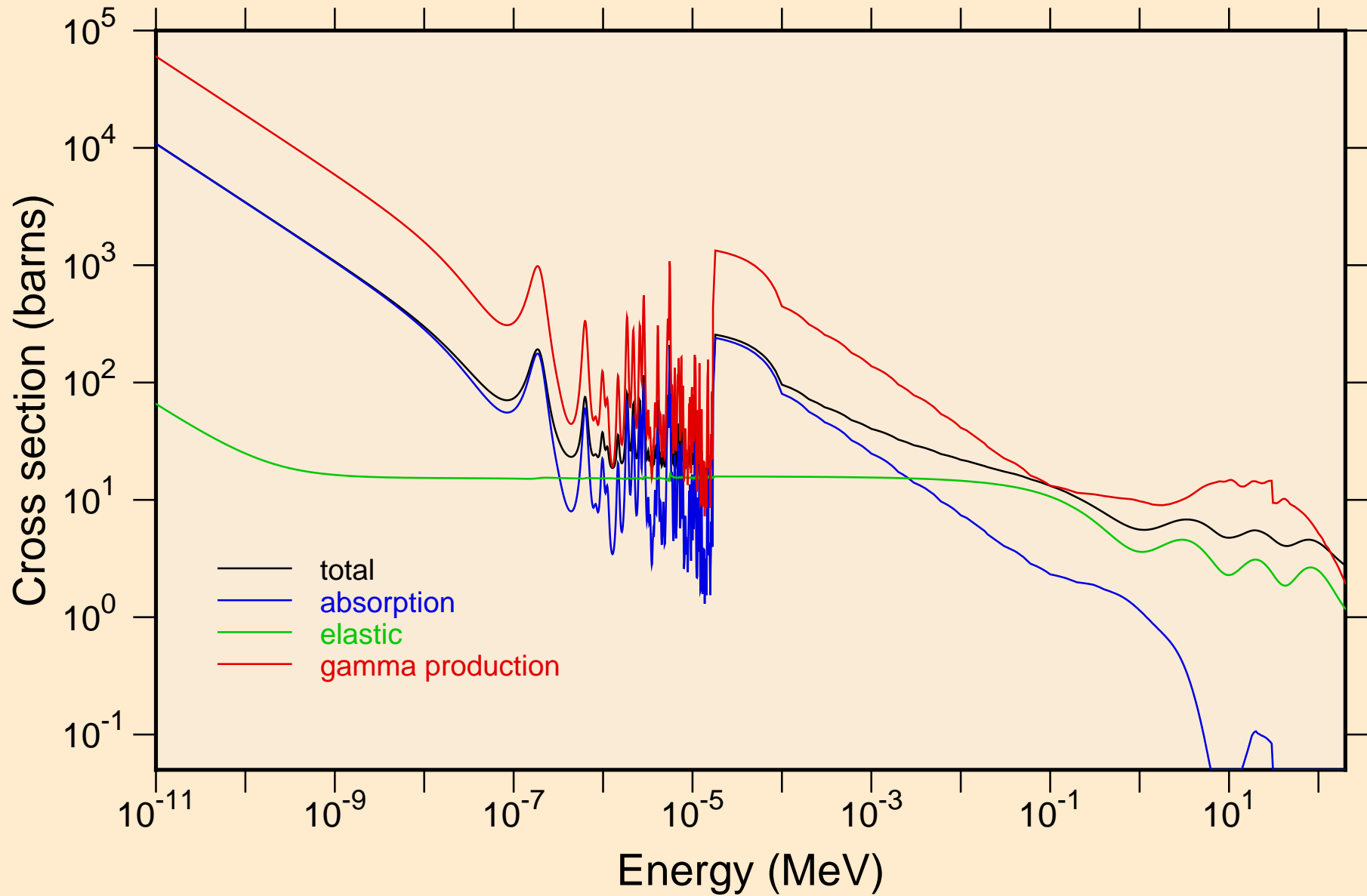
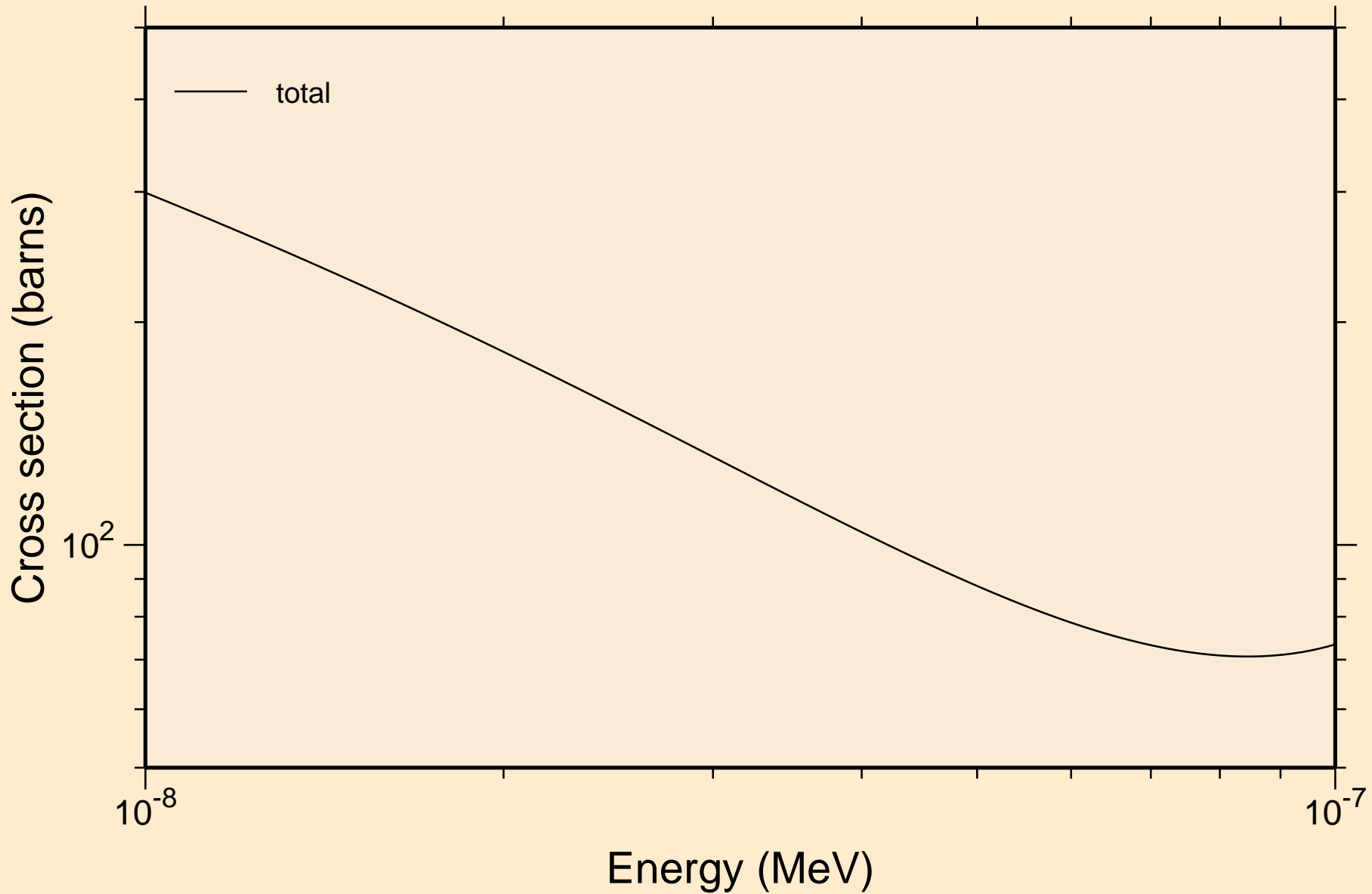


# IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

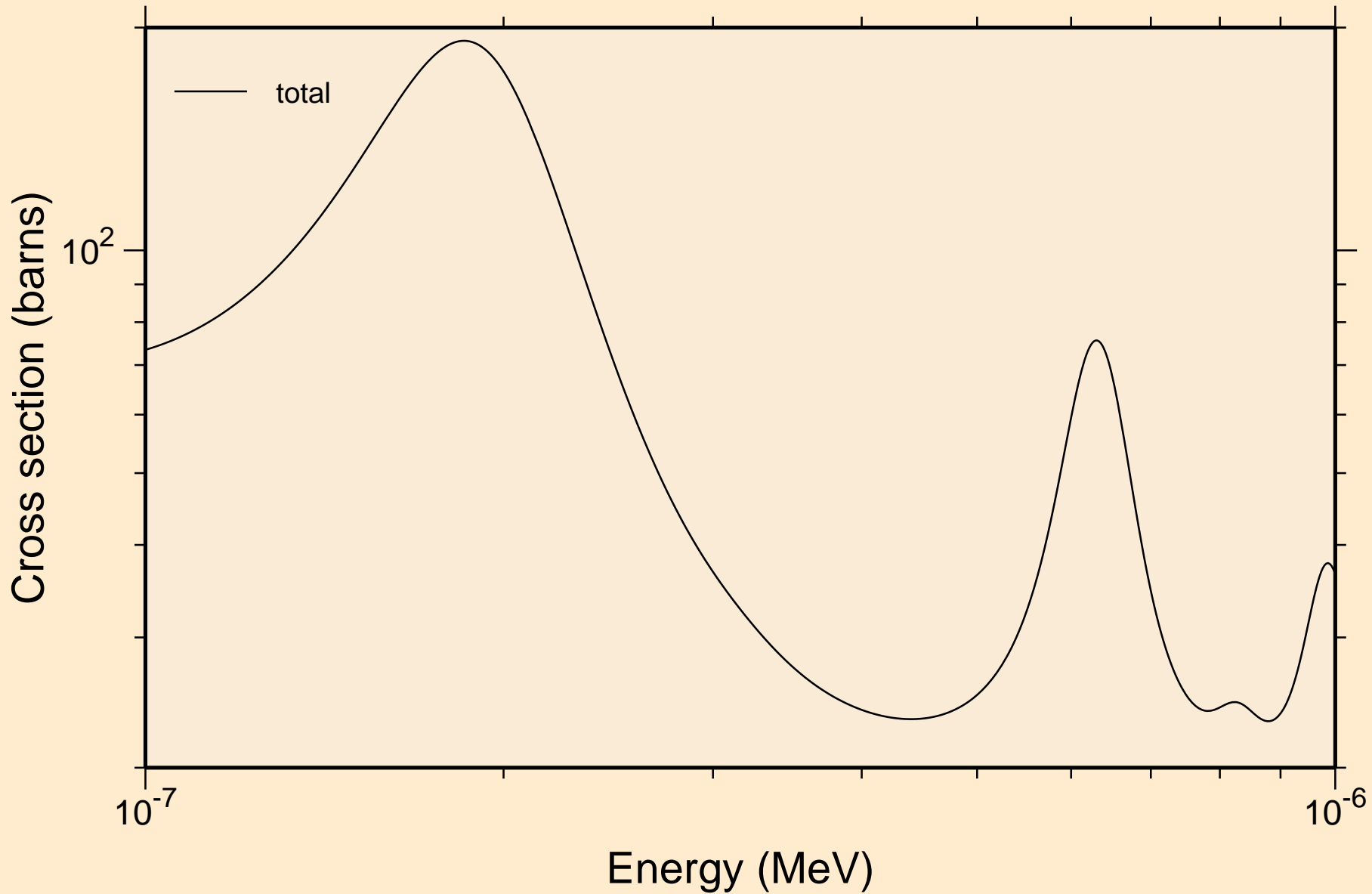
## Principal cross sections



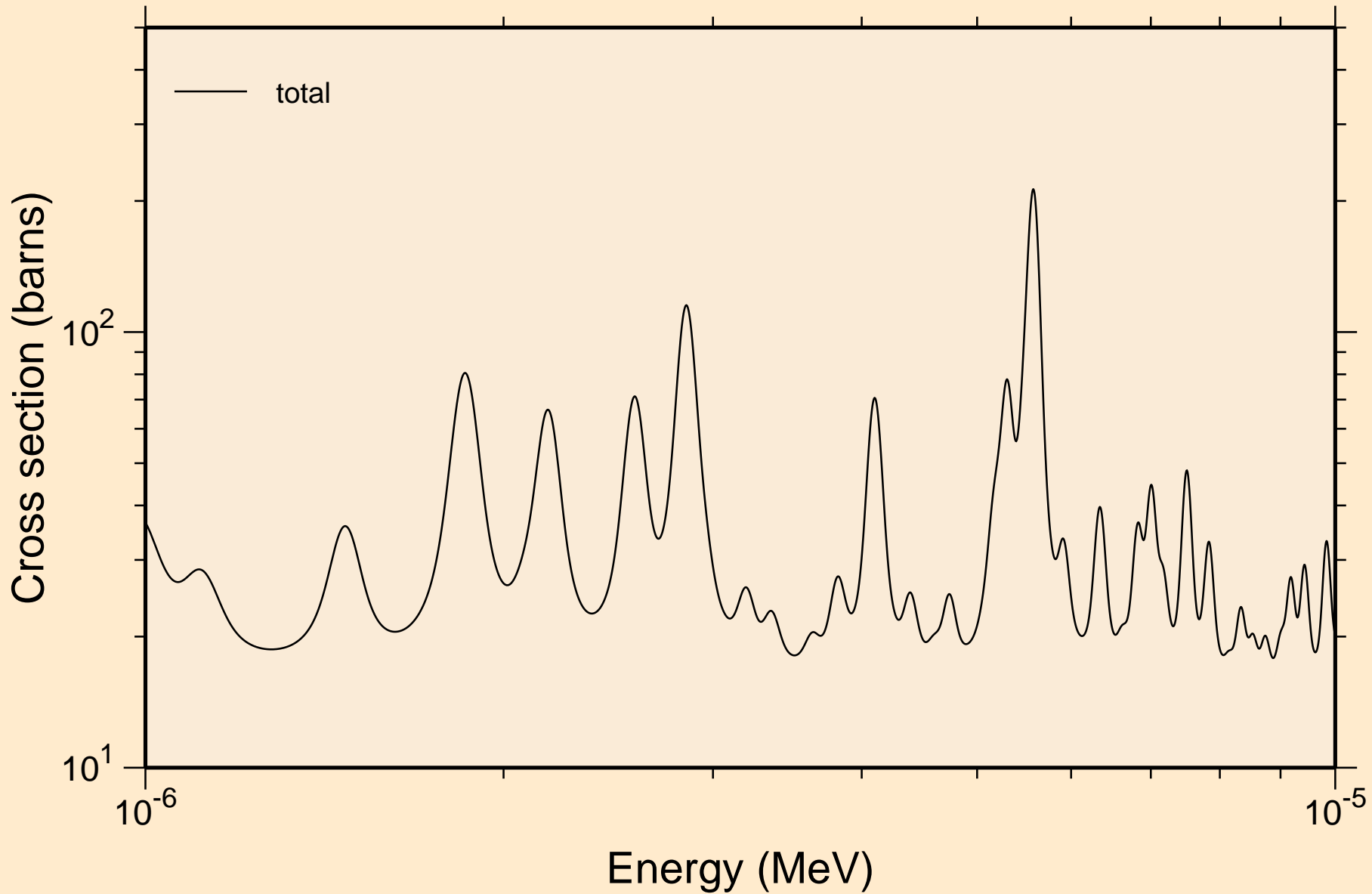
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resonance total cross section



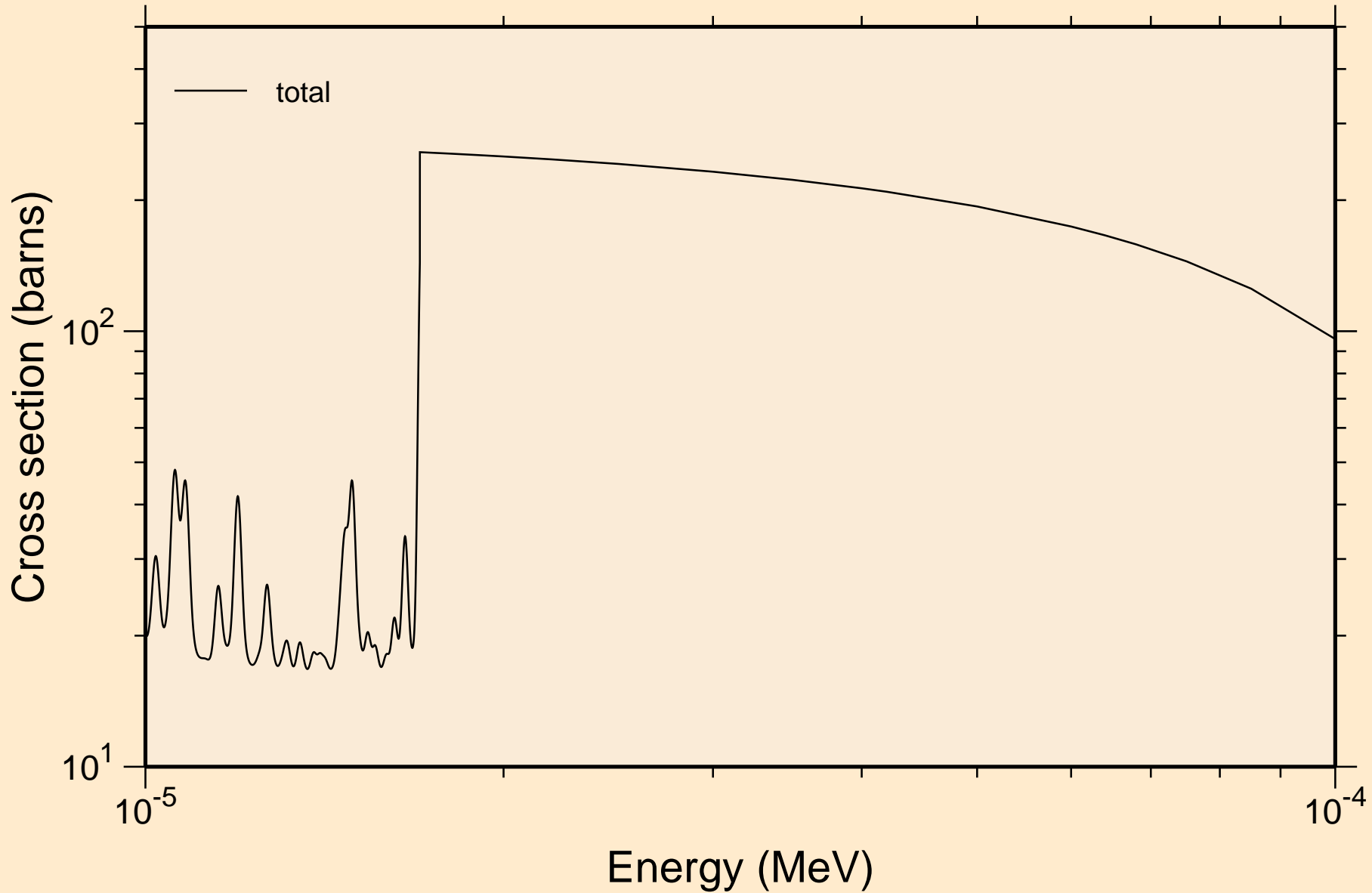
IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



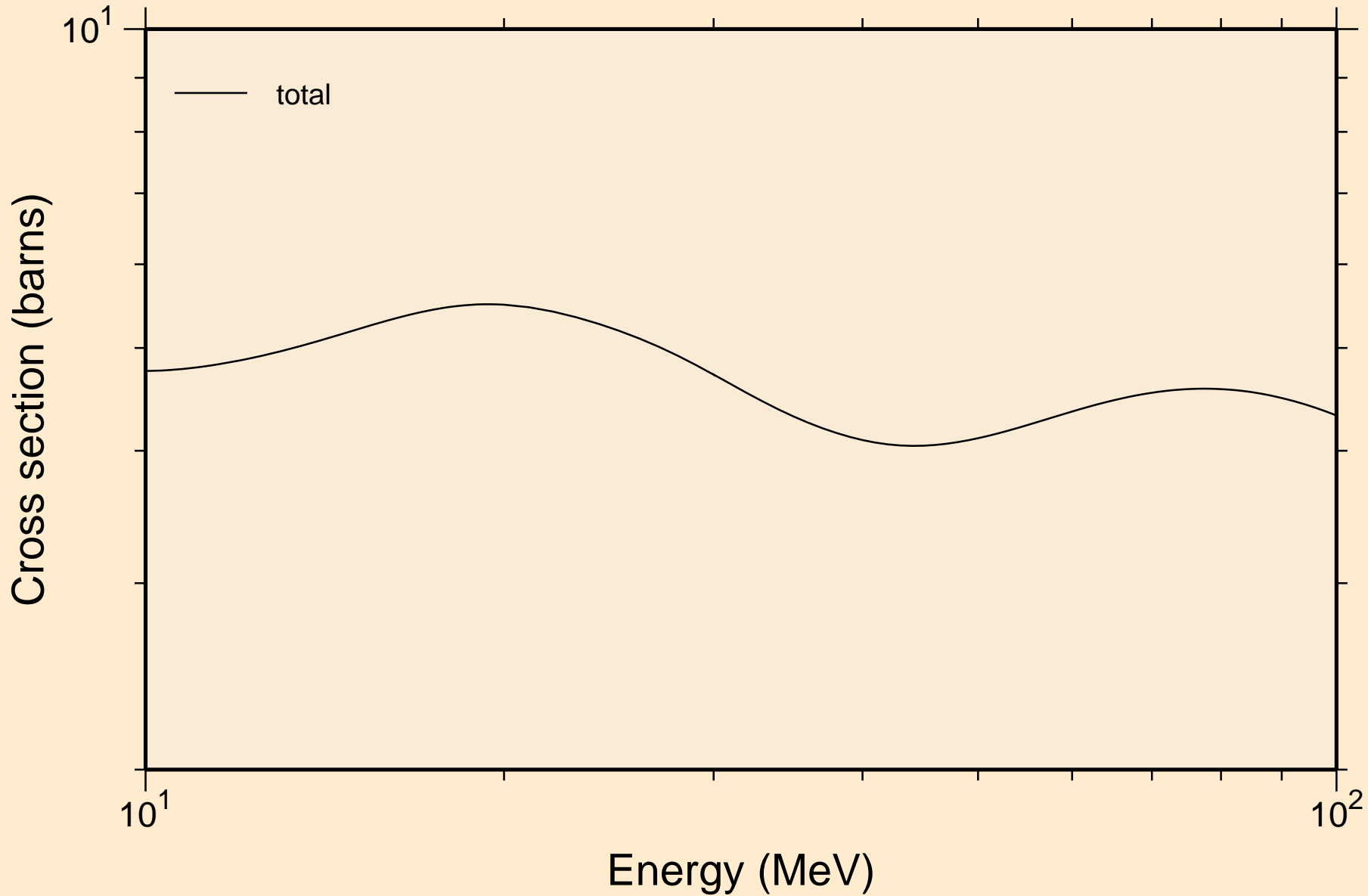
IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



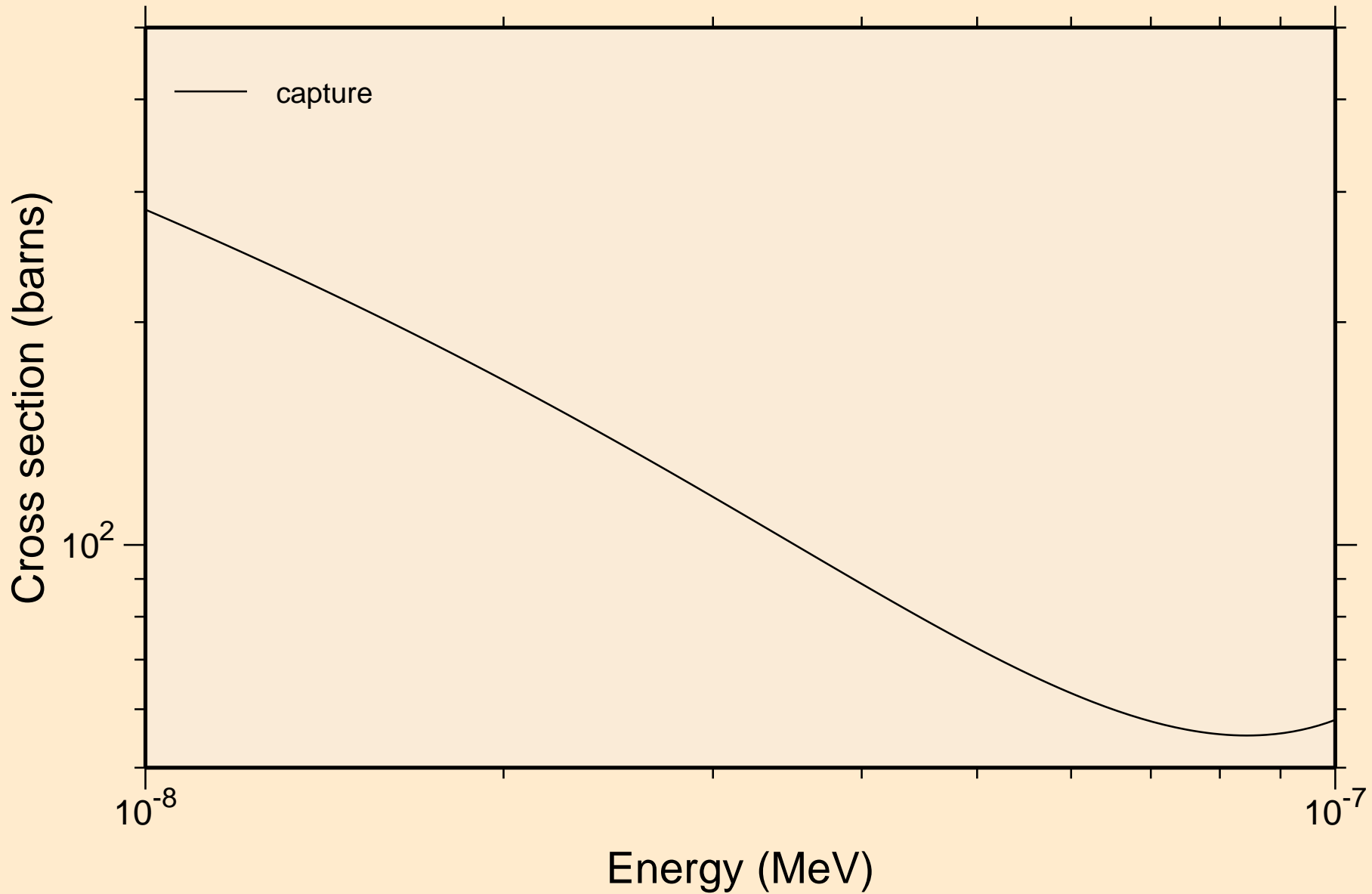
IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



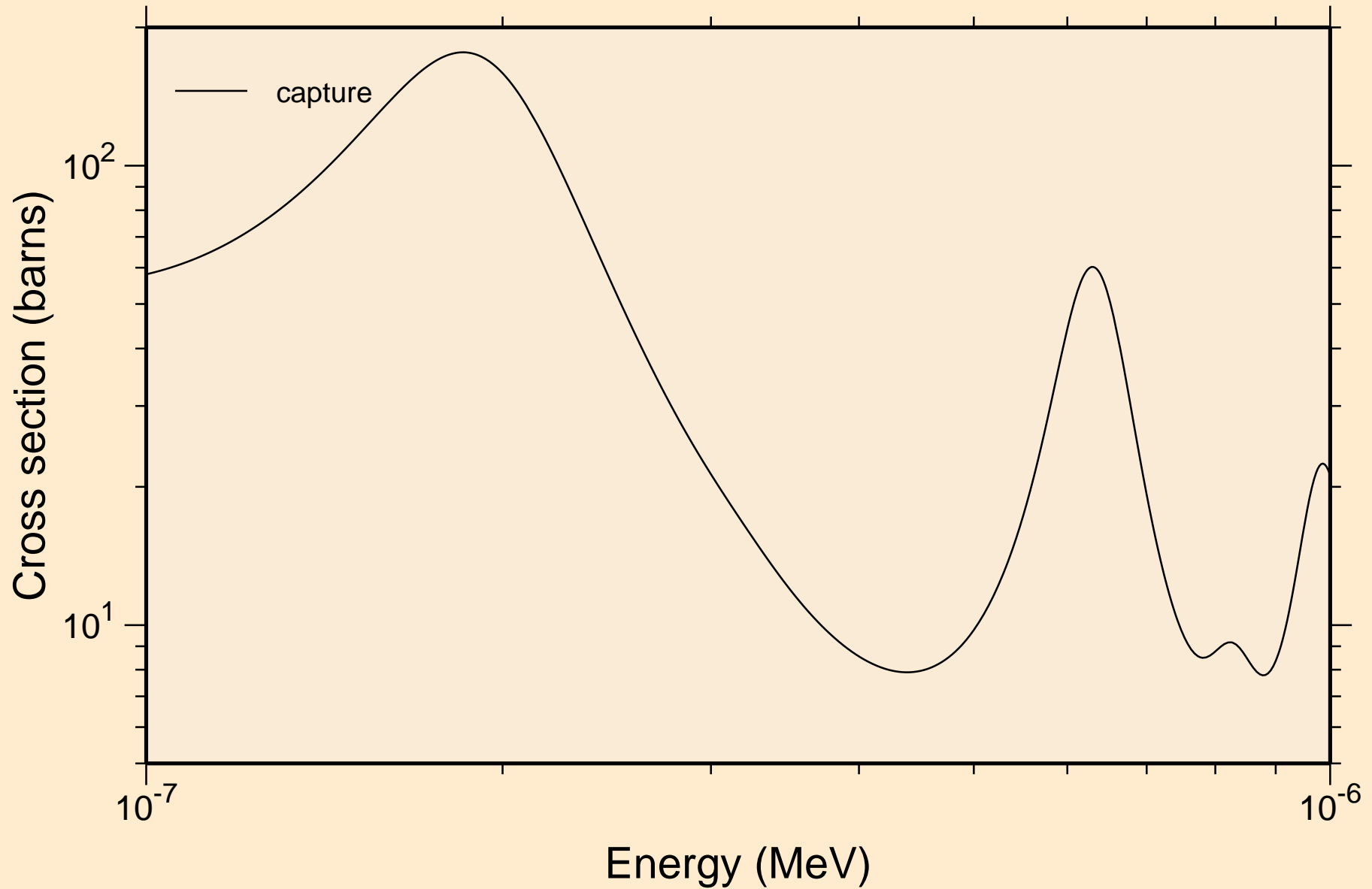
IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections

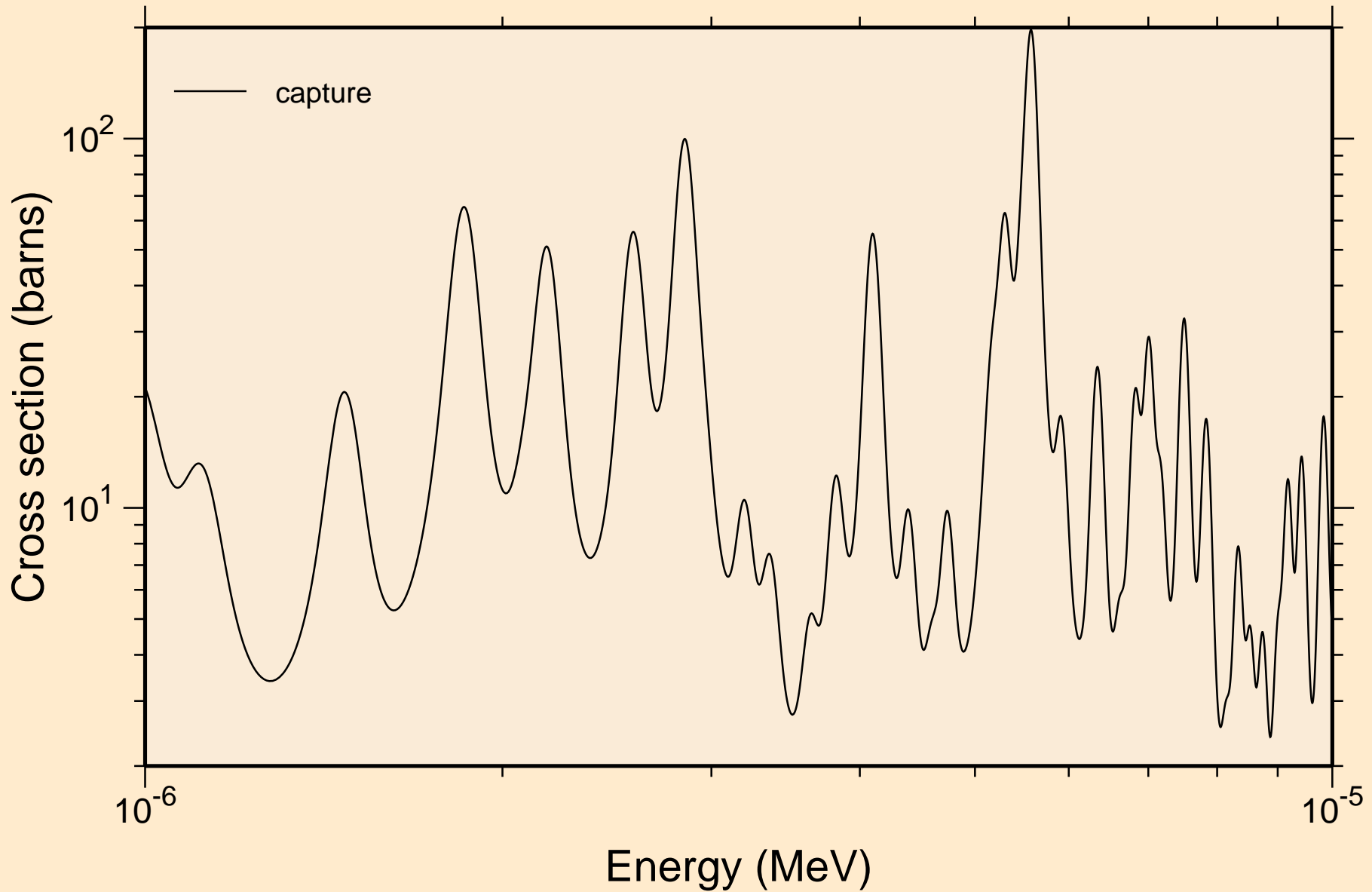


IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections

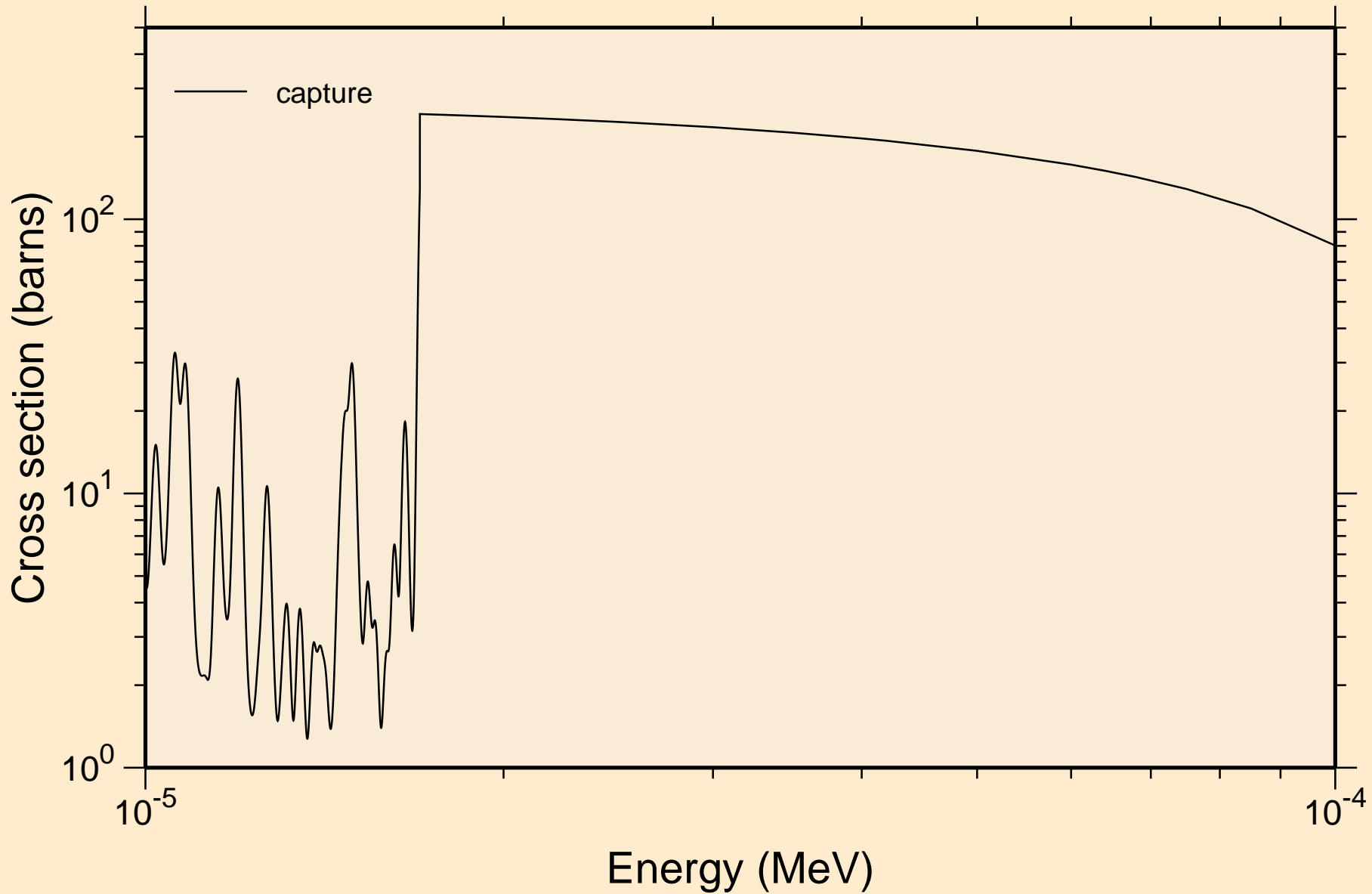




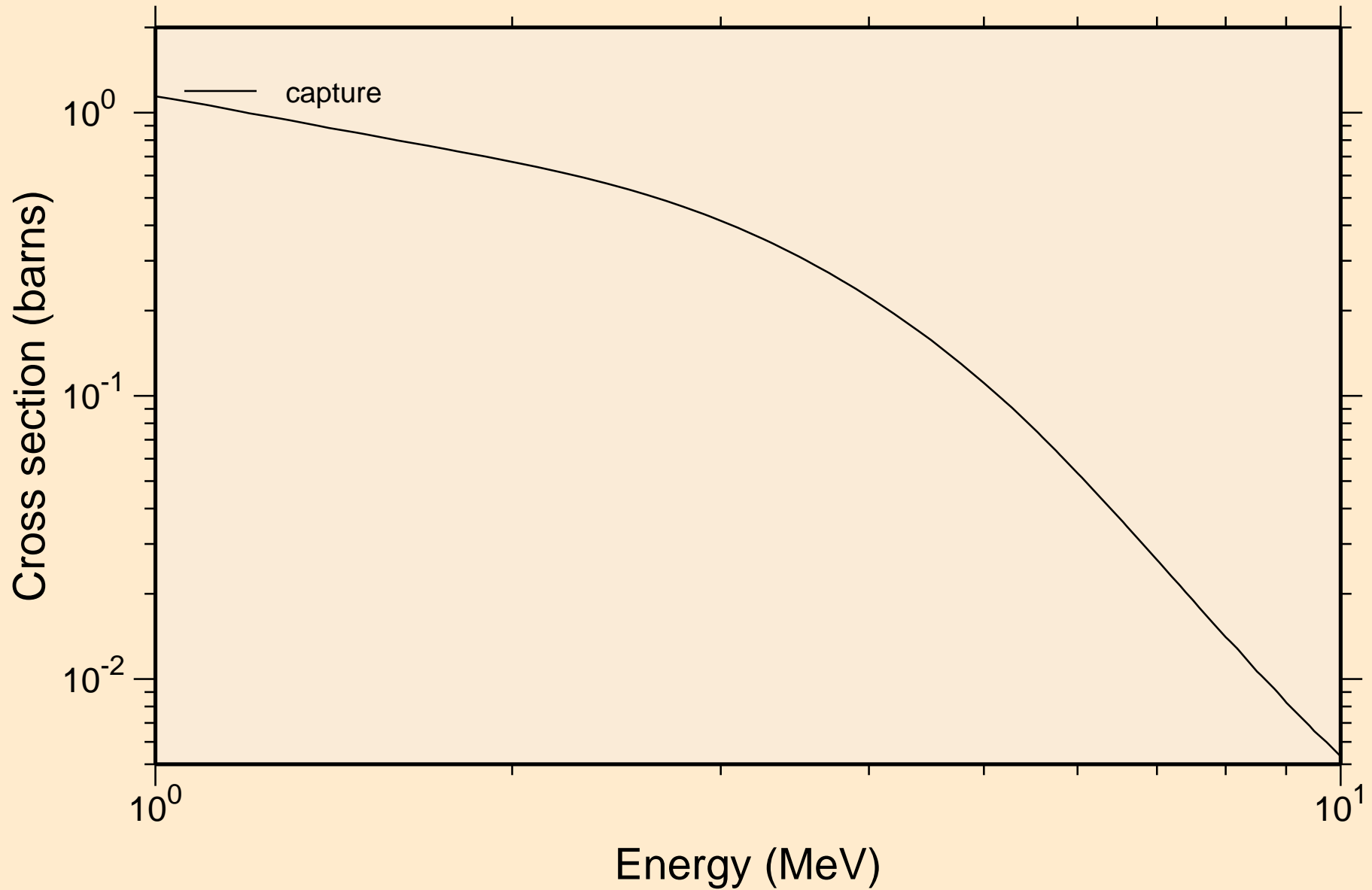
IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



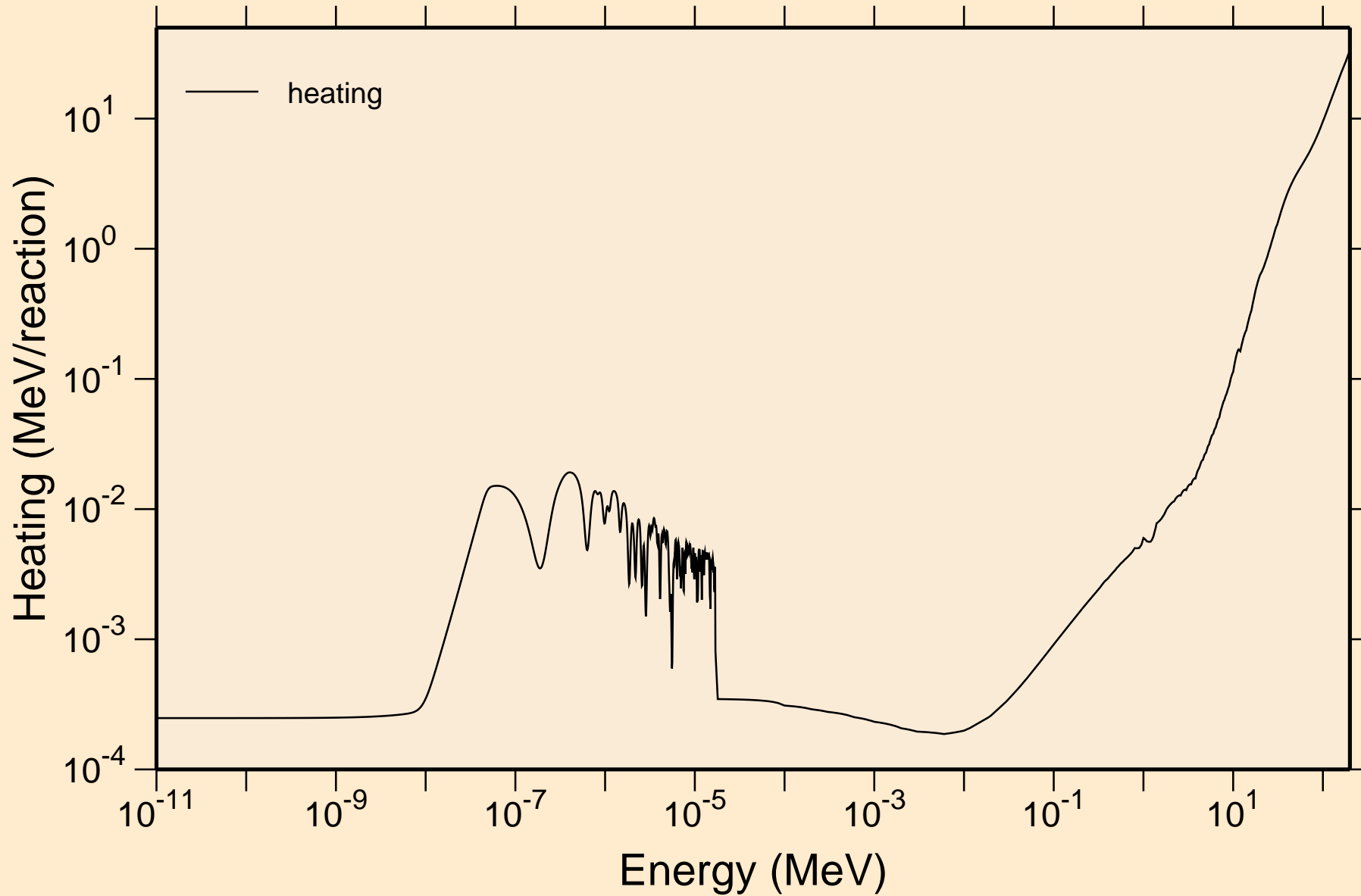
IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



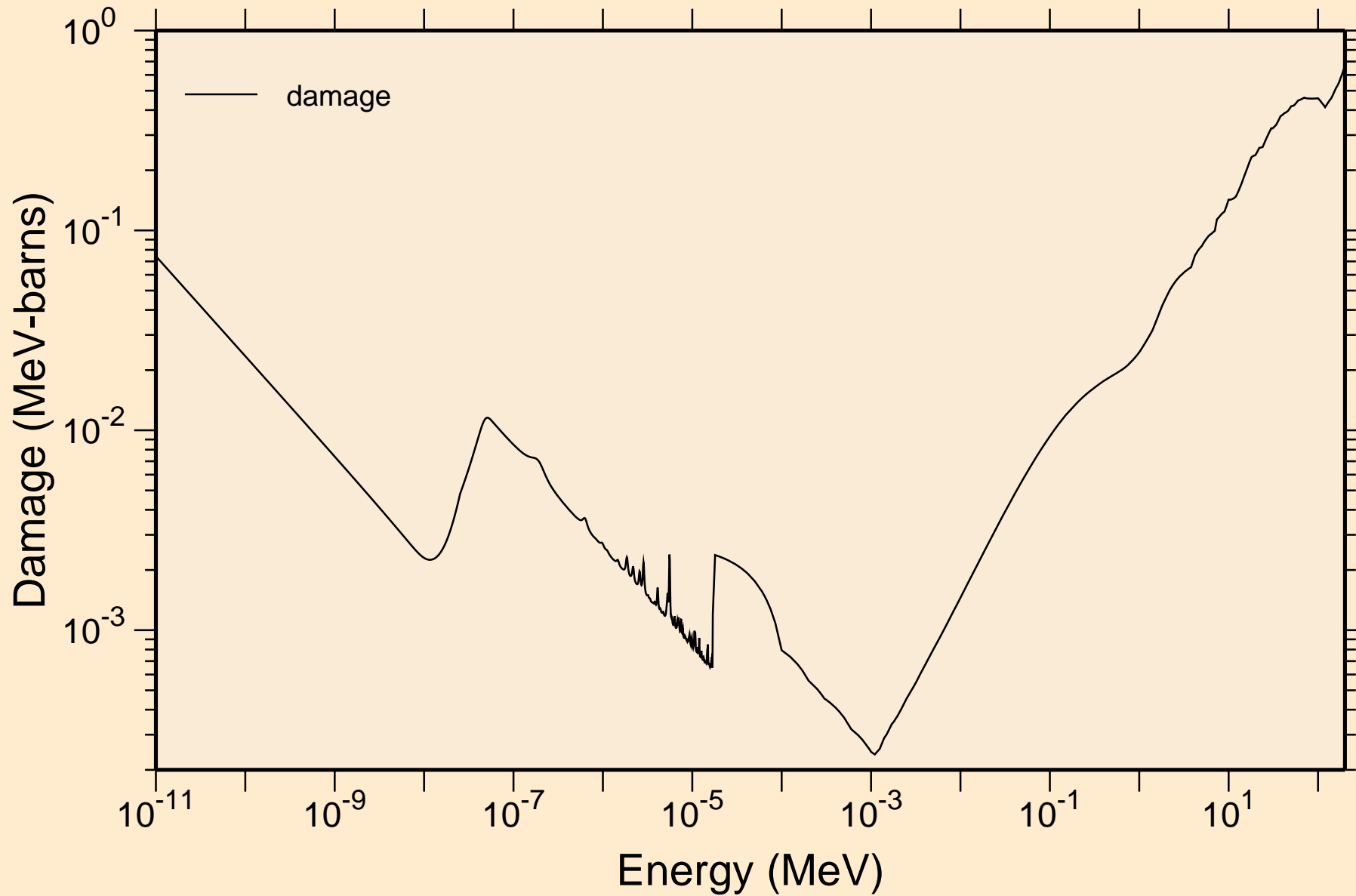
IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Heating

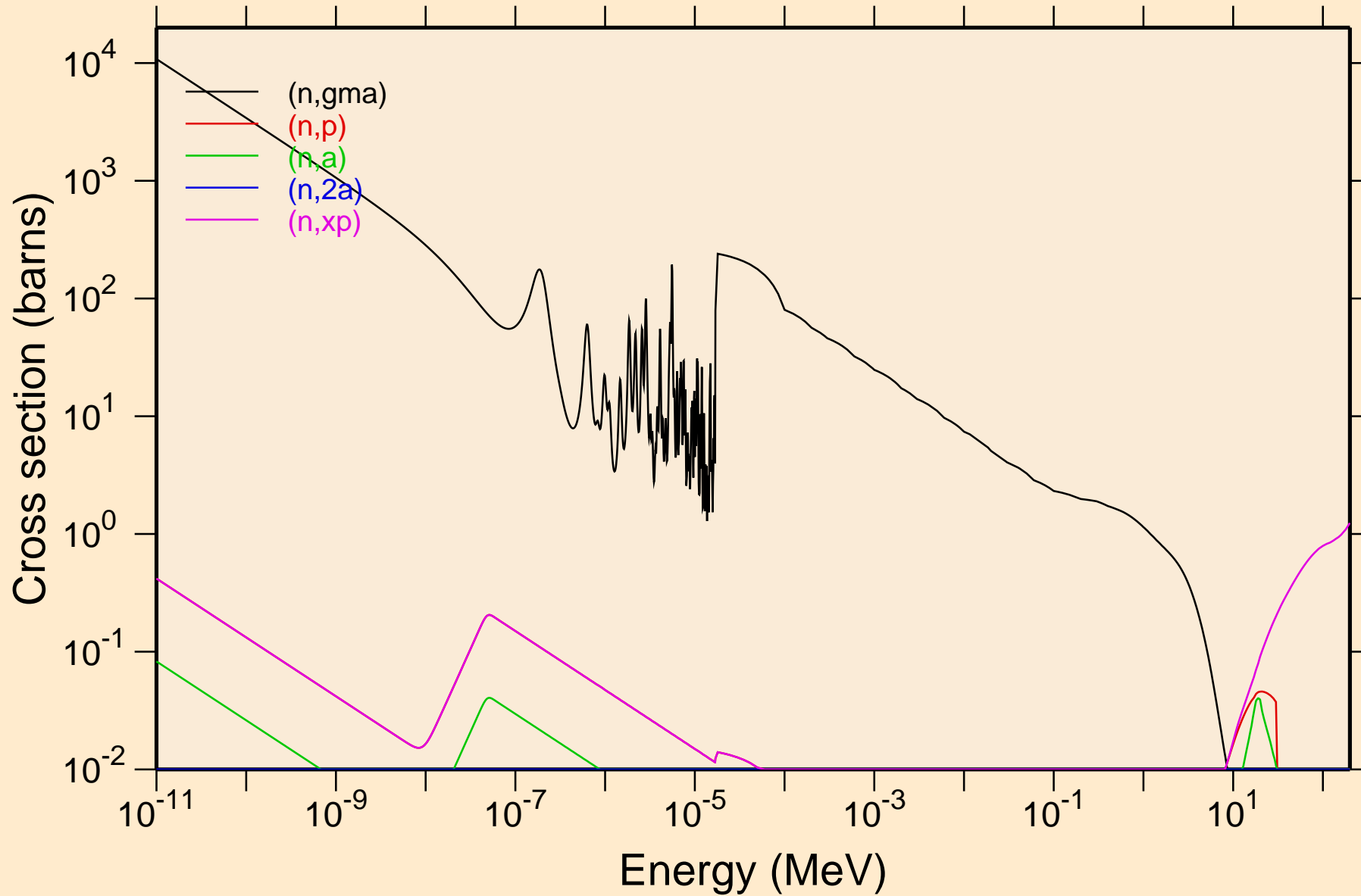


IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Damage

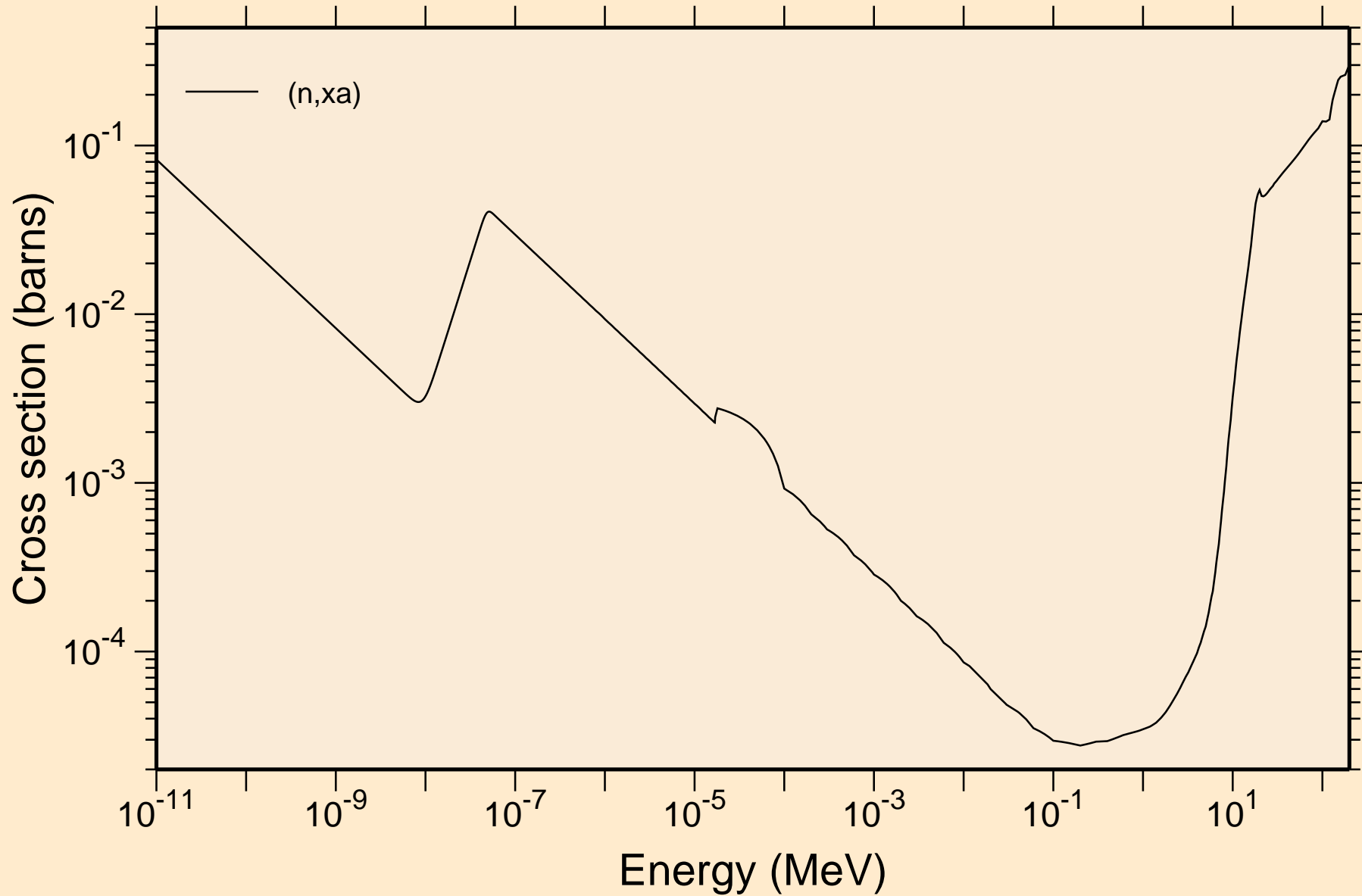


# IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

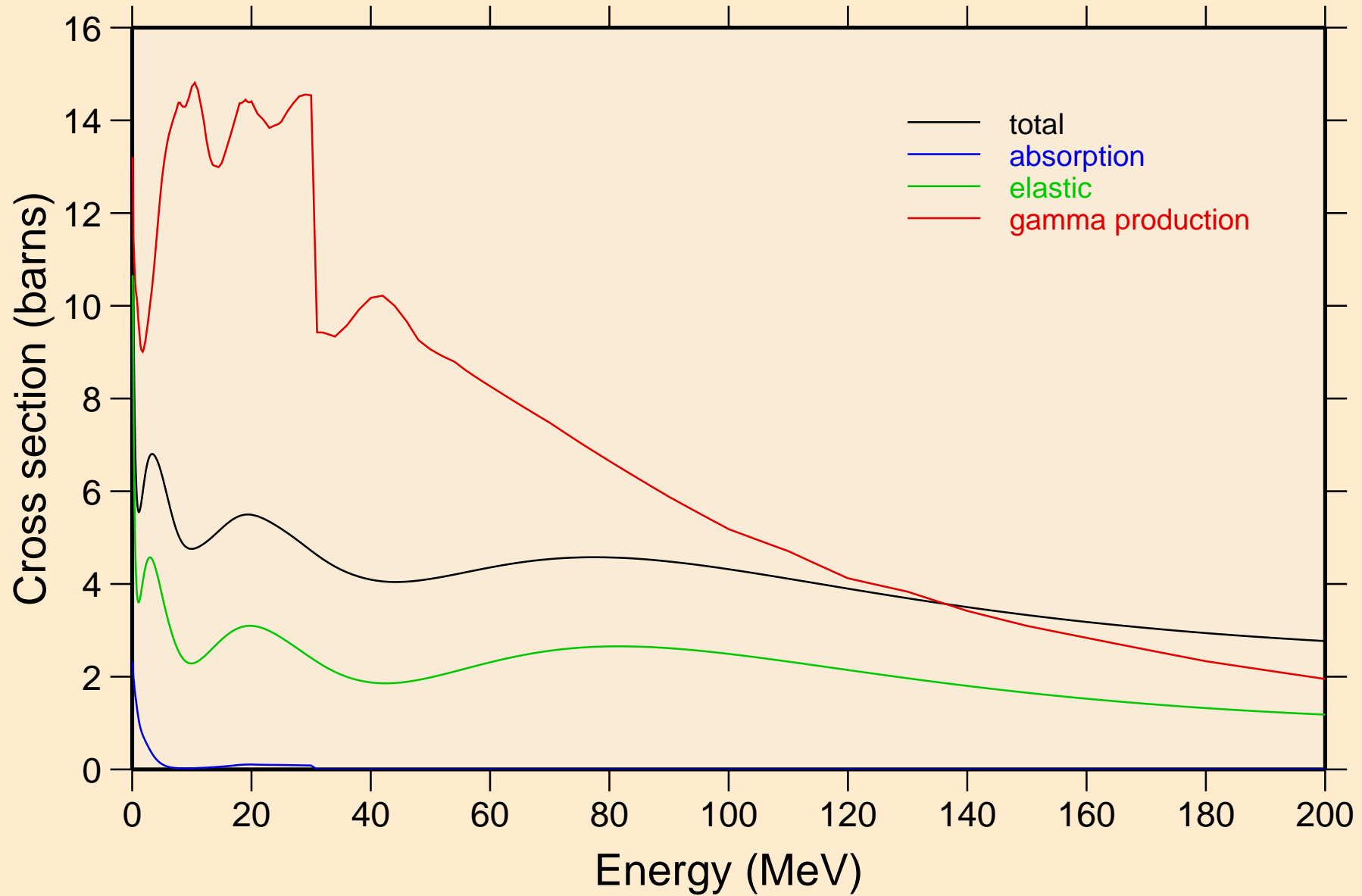
## Non-threshold reactions



IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions



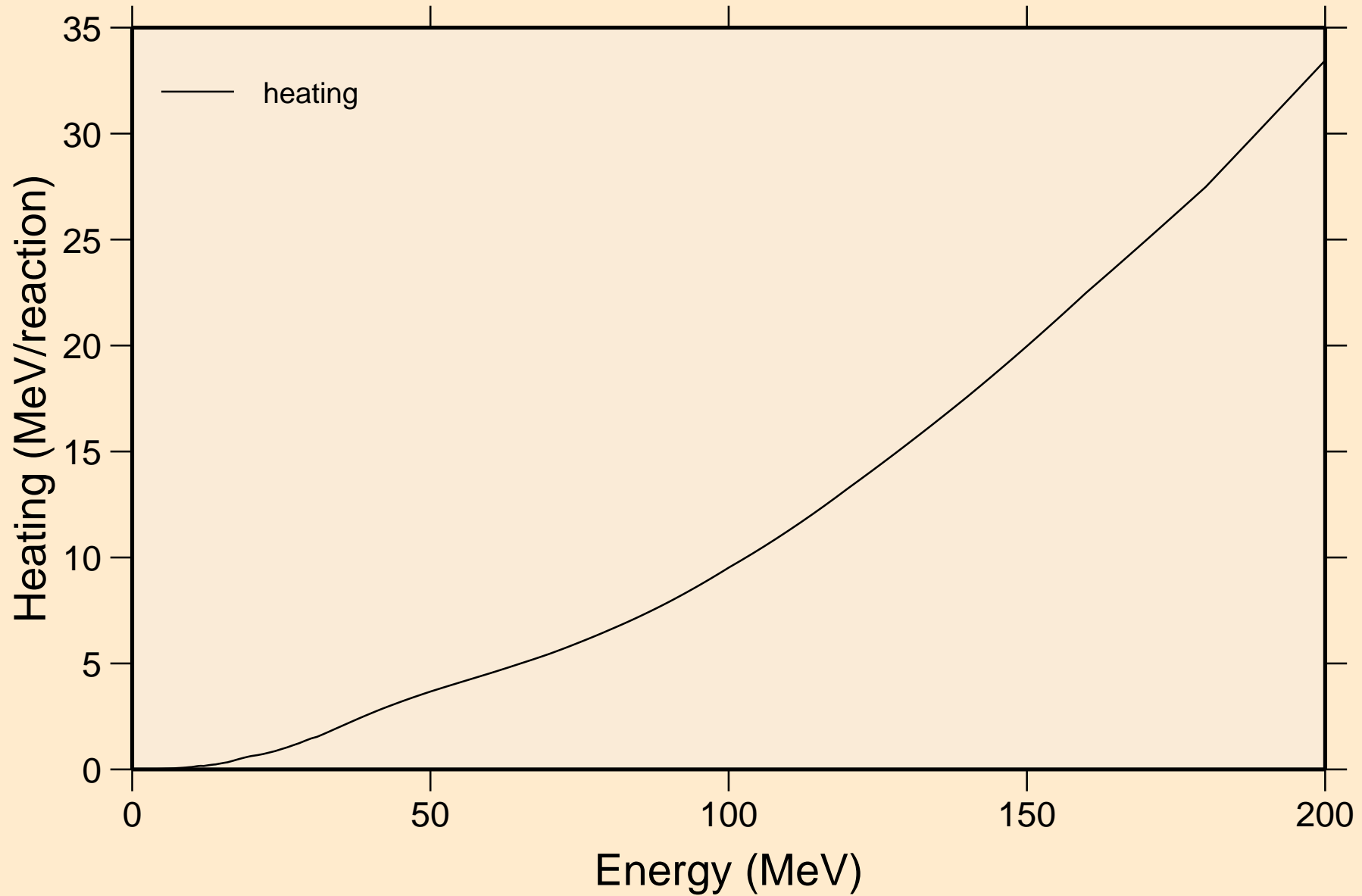
IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Principal cross sections



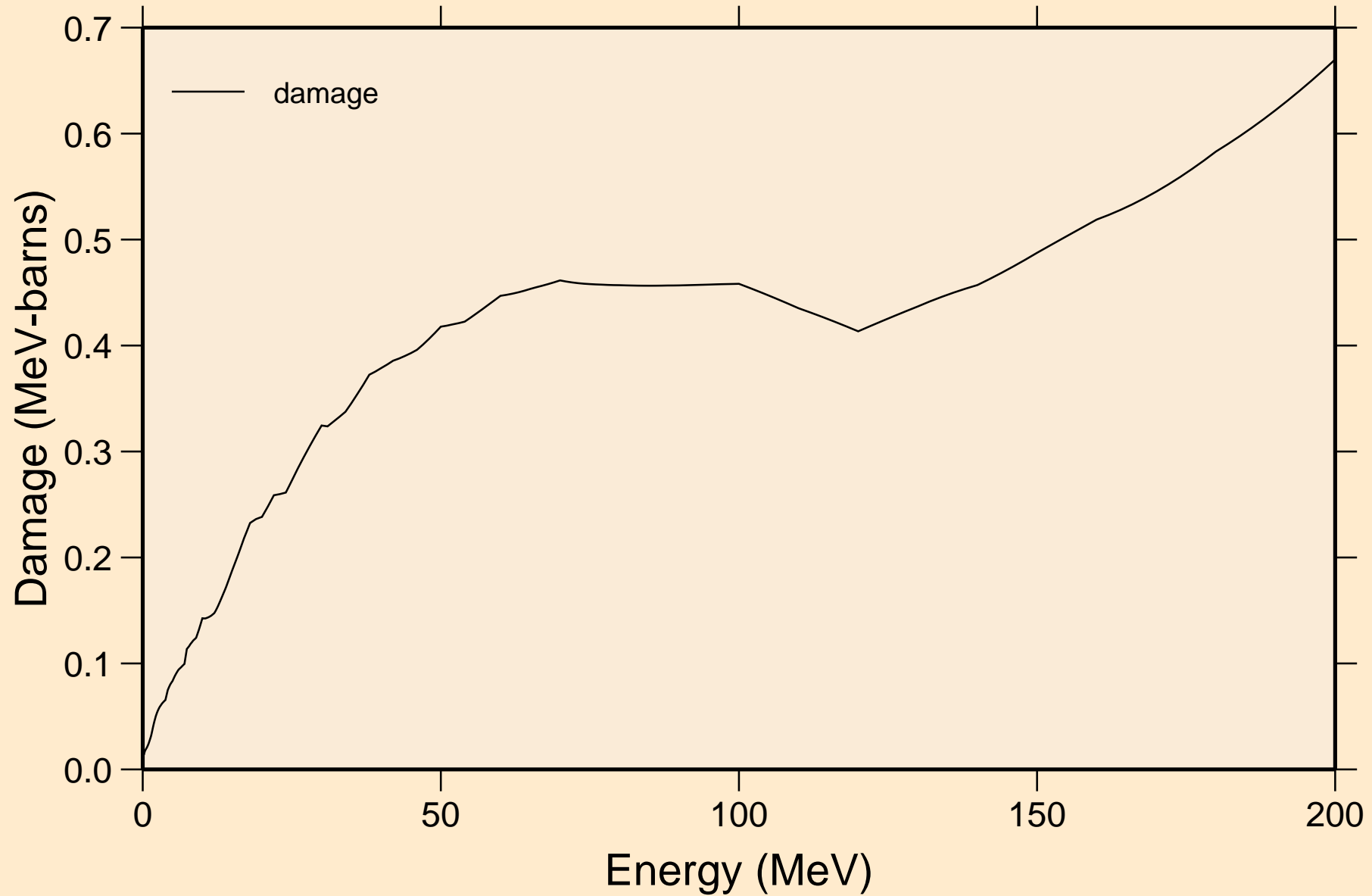


IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

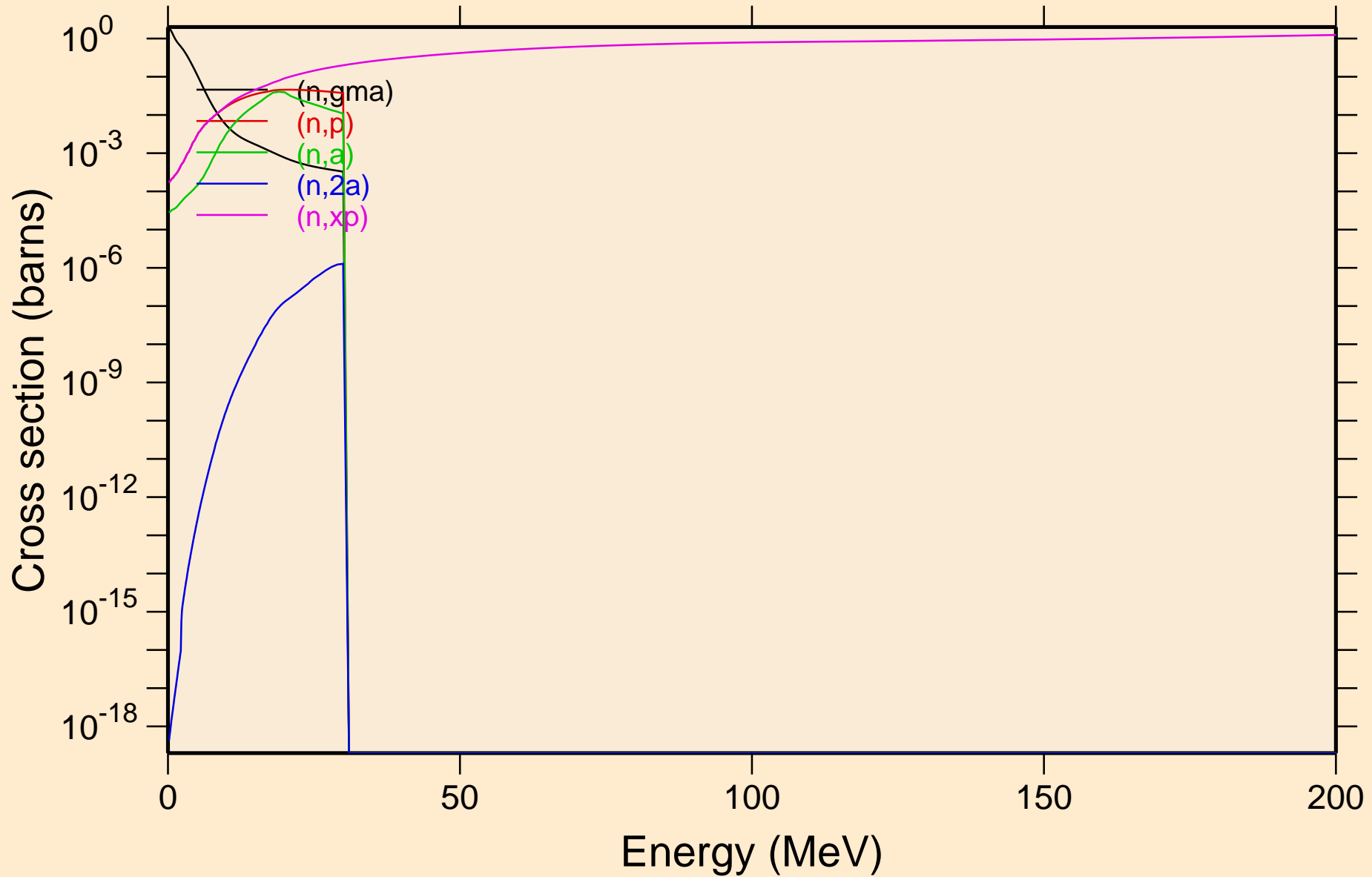
Heating



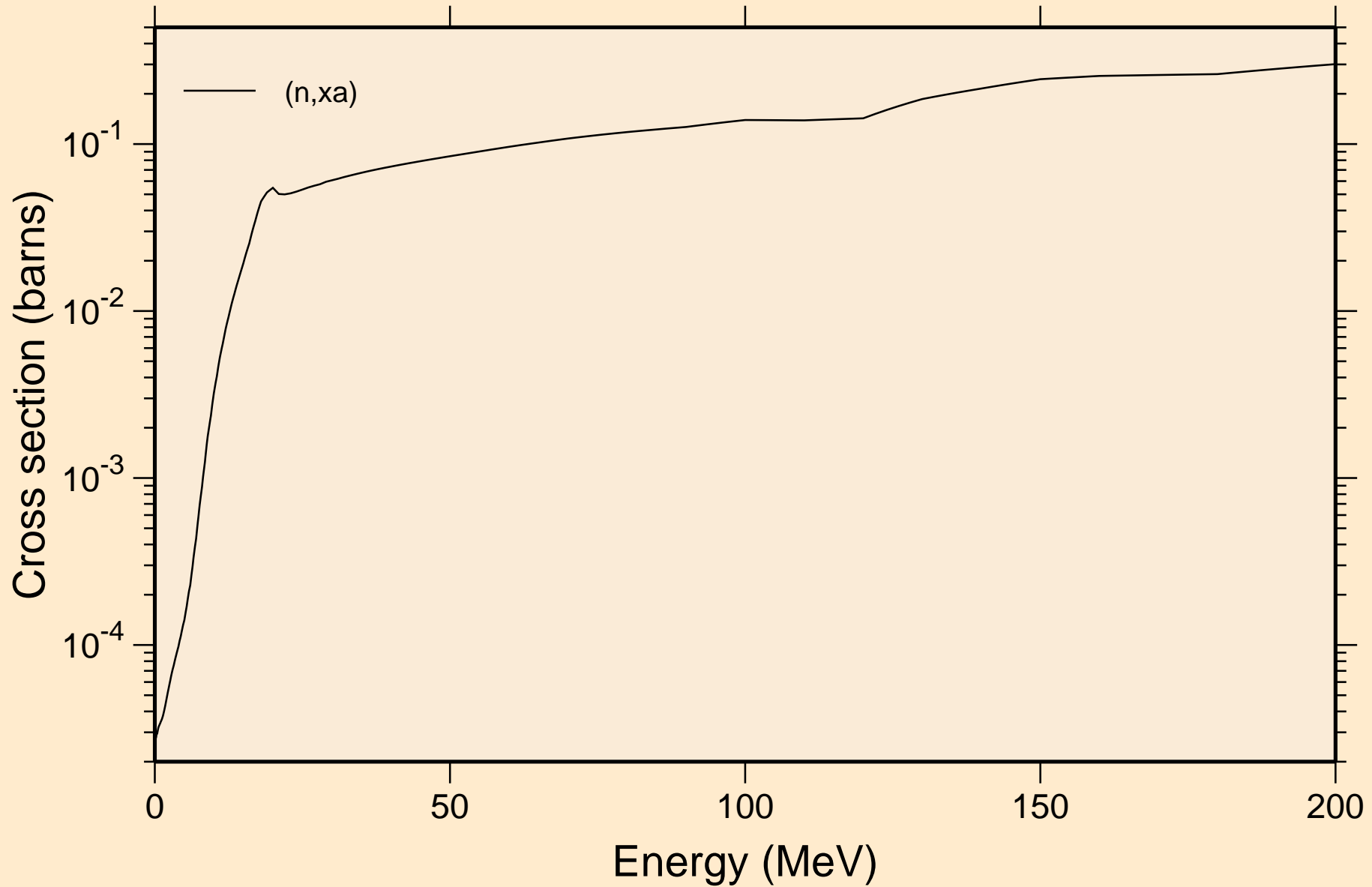
IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Damage



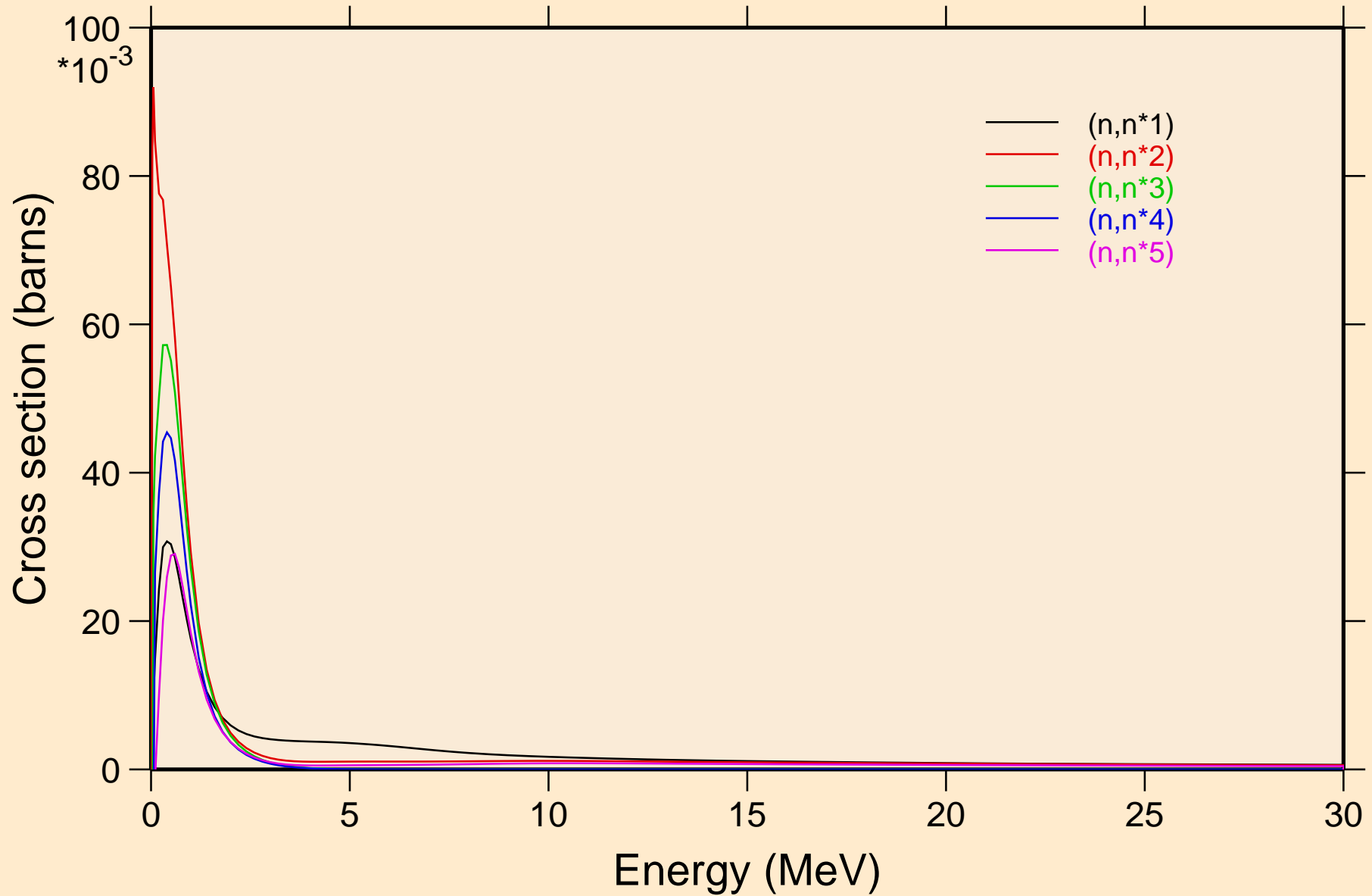
IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions



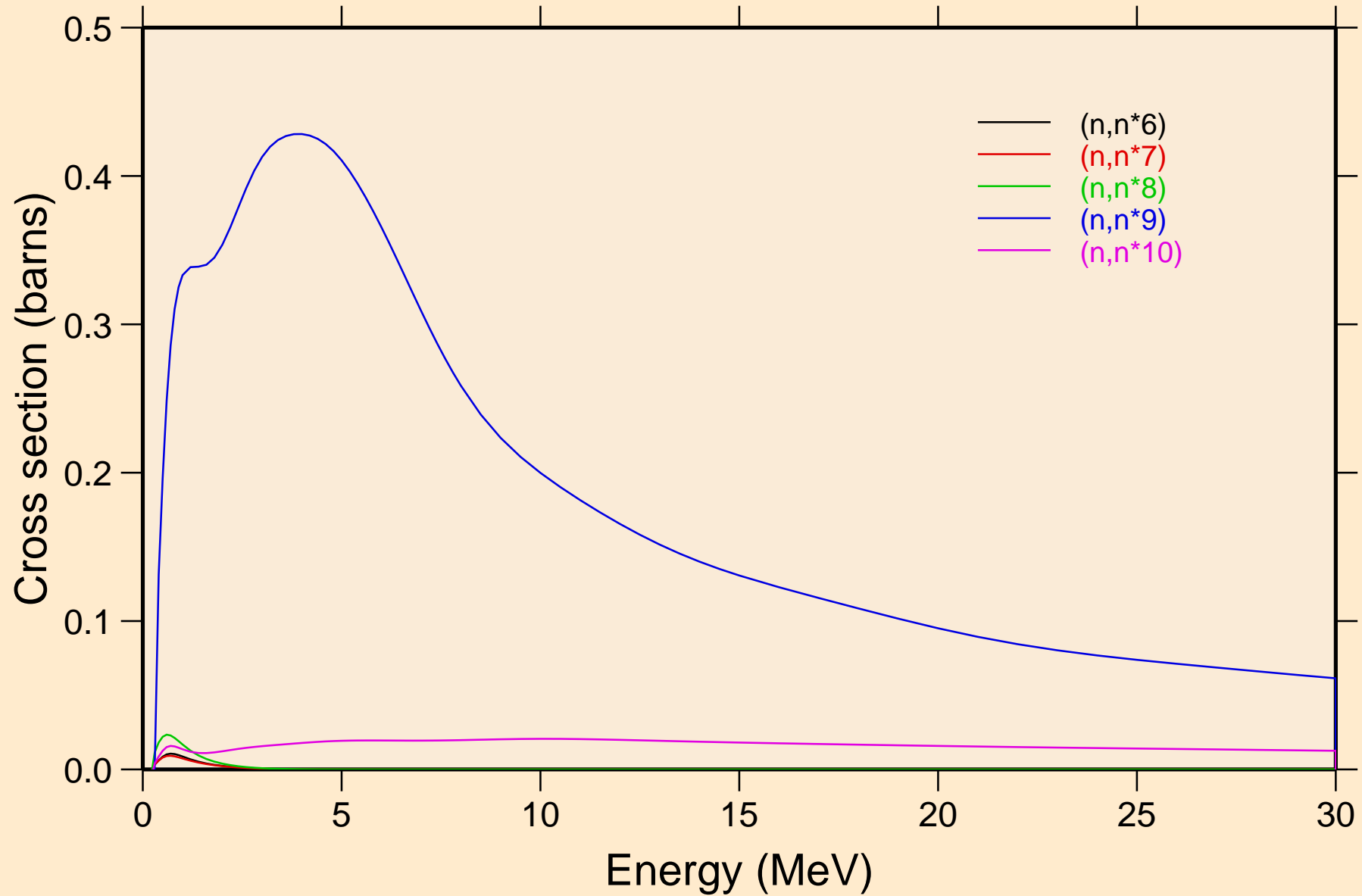
IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions



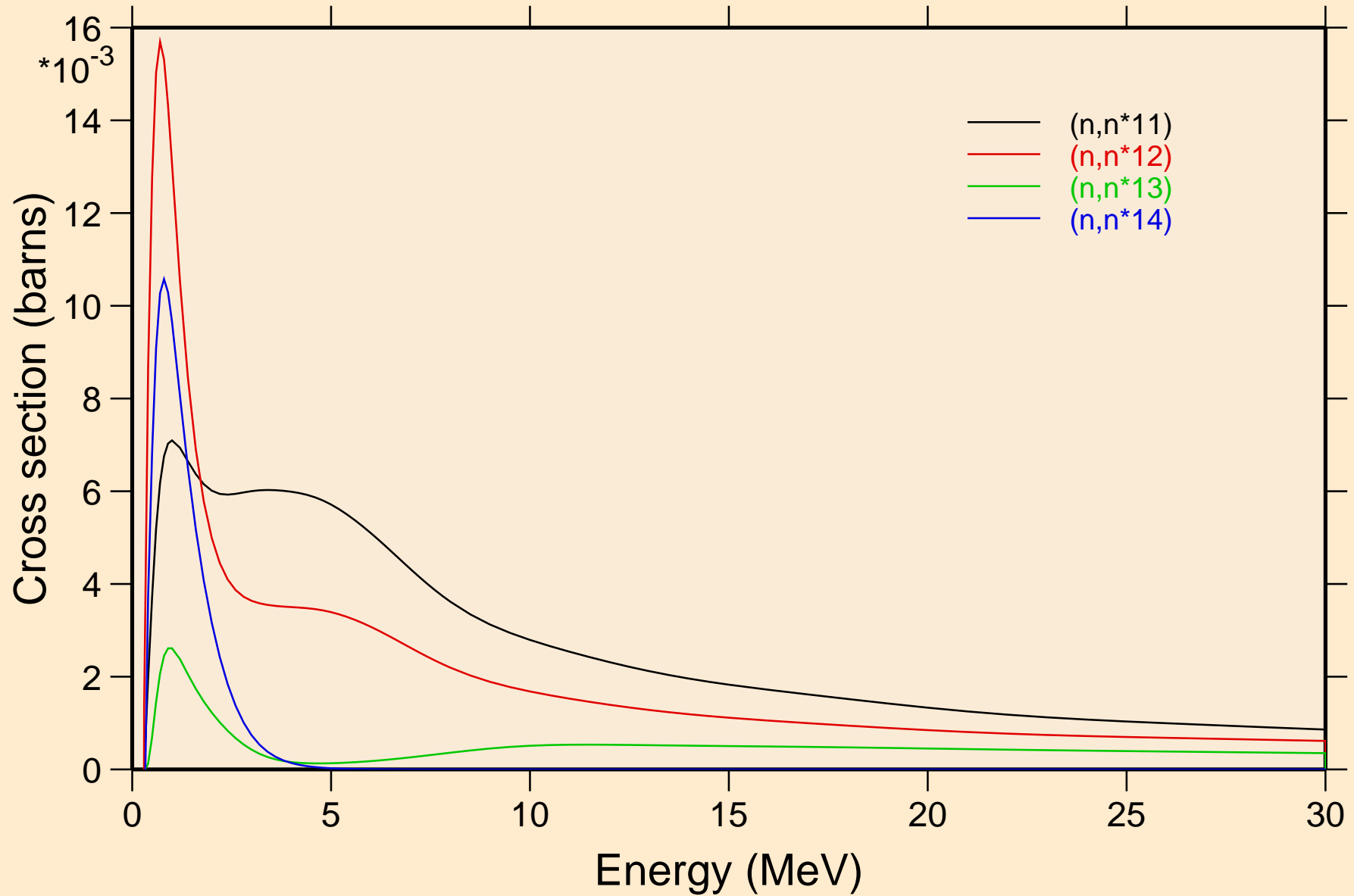
IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



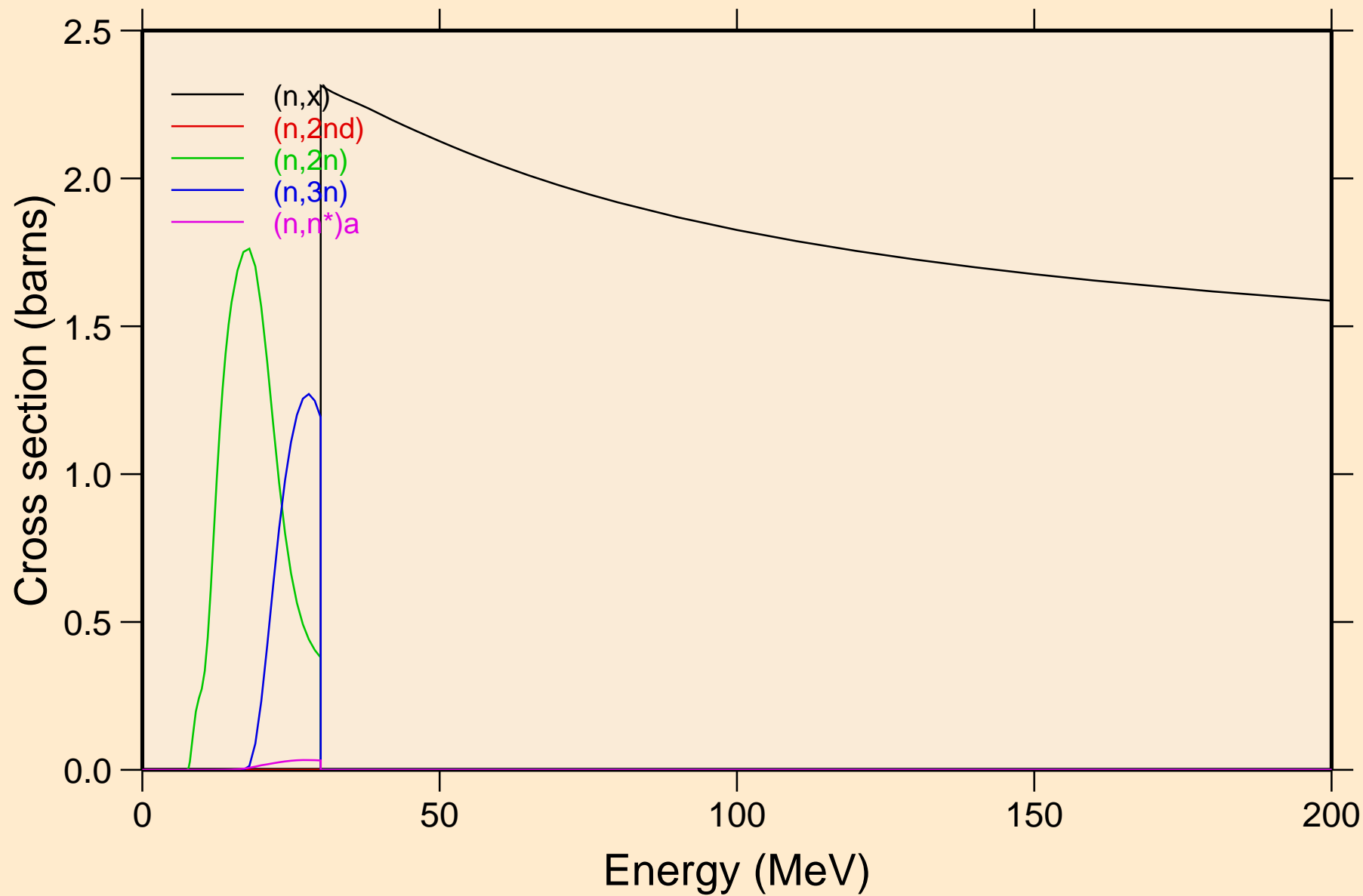
IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels

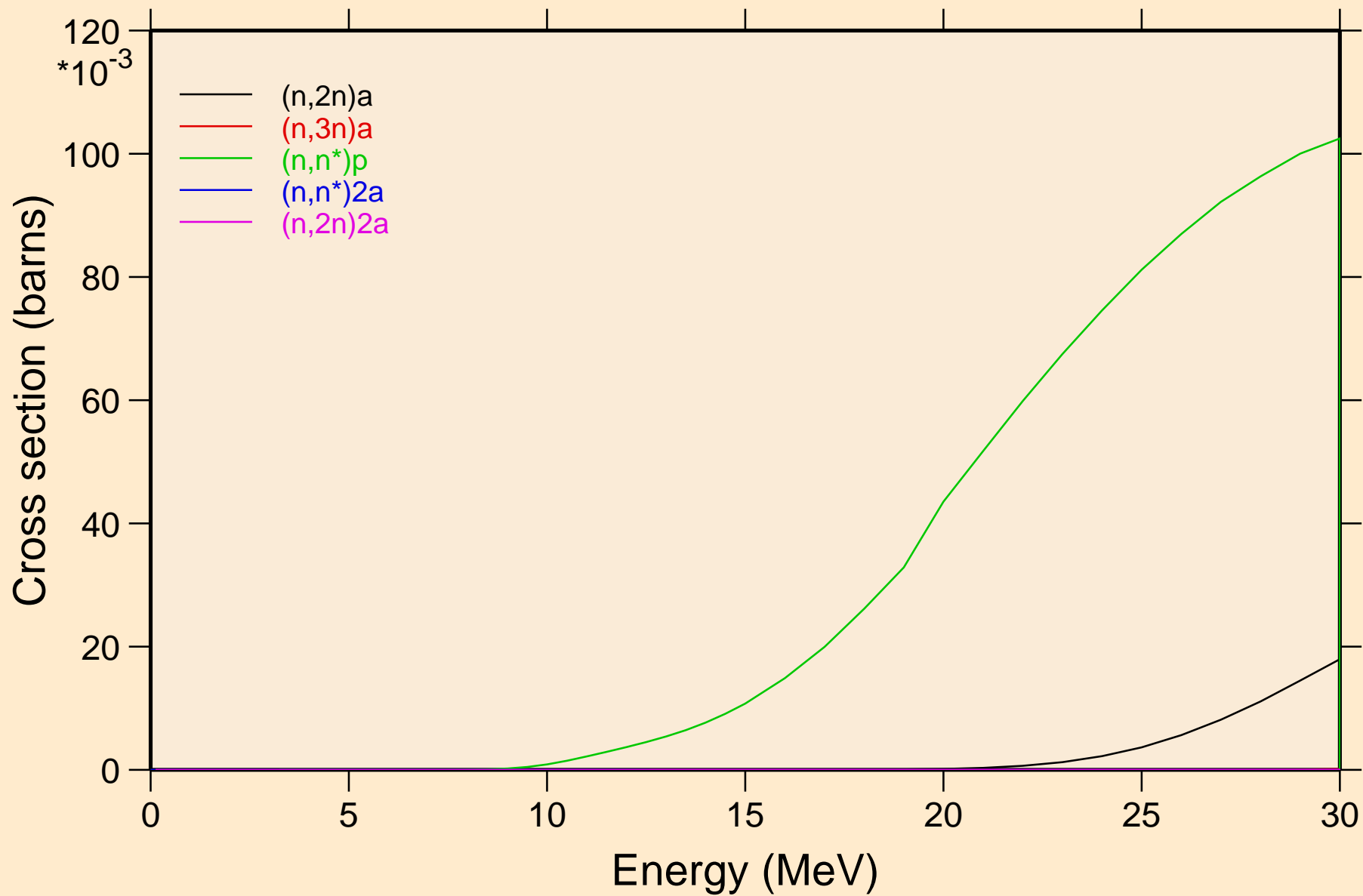


IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



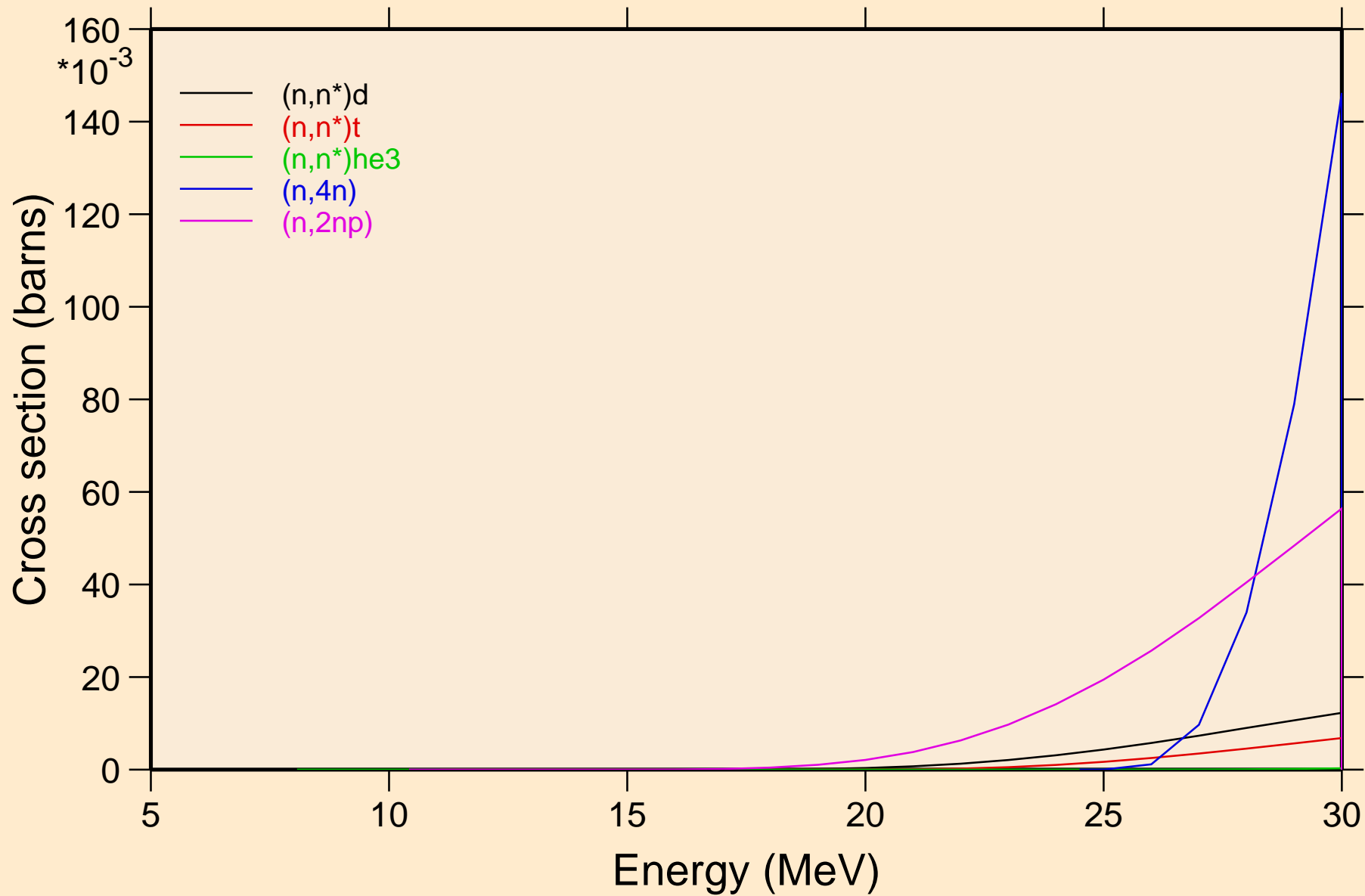


IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions

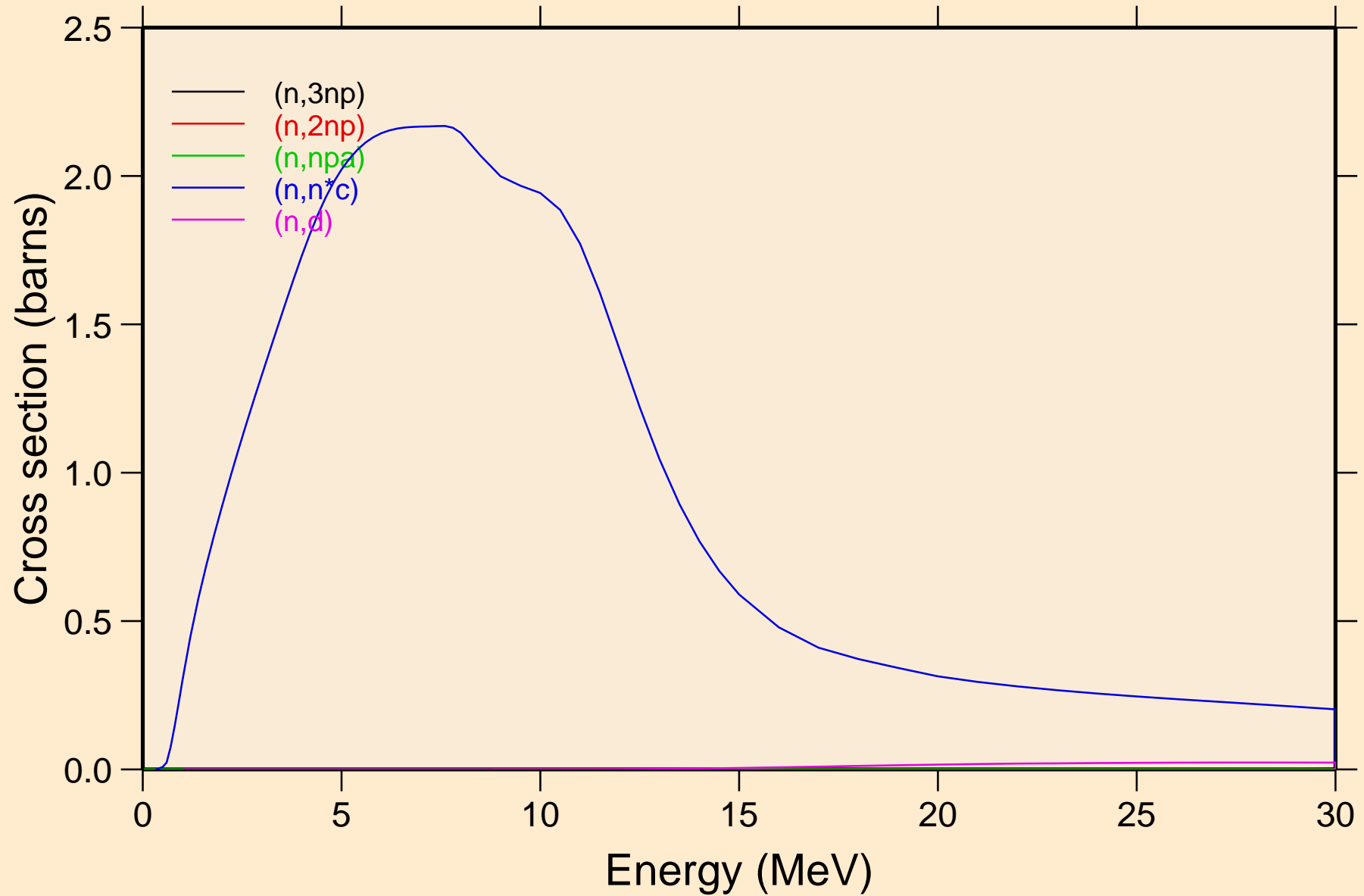


# IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

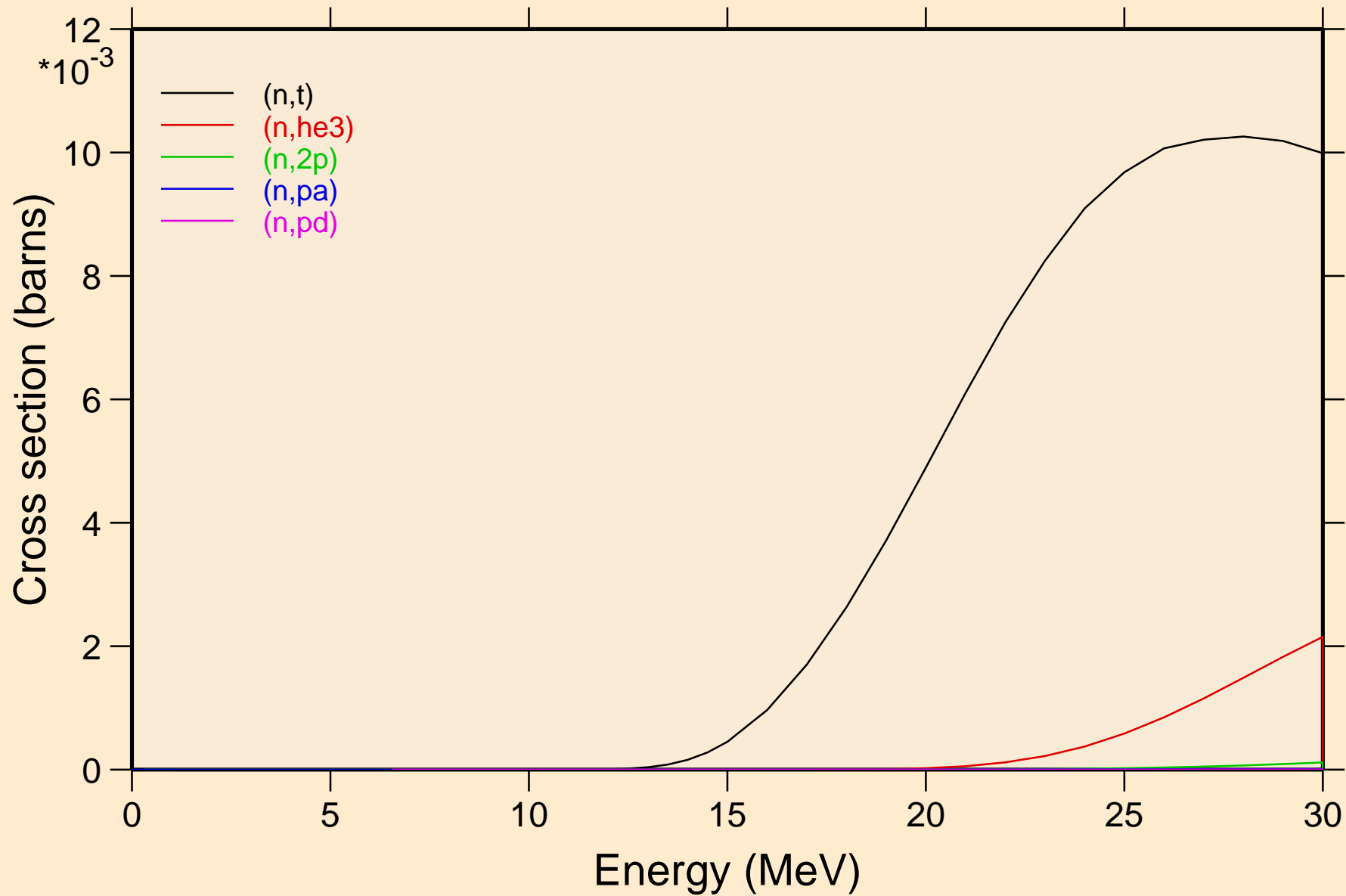
## Threshold reactions



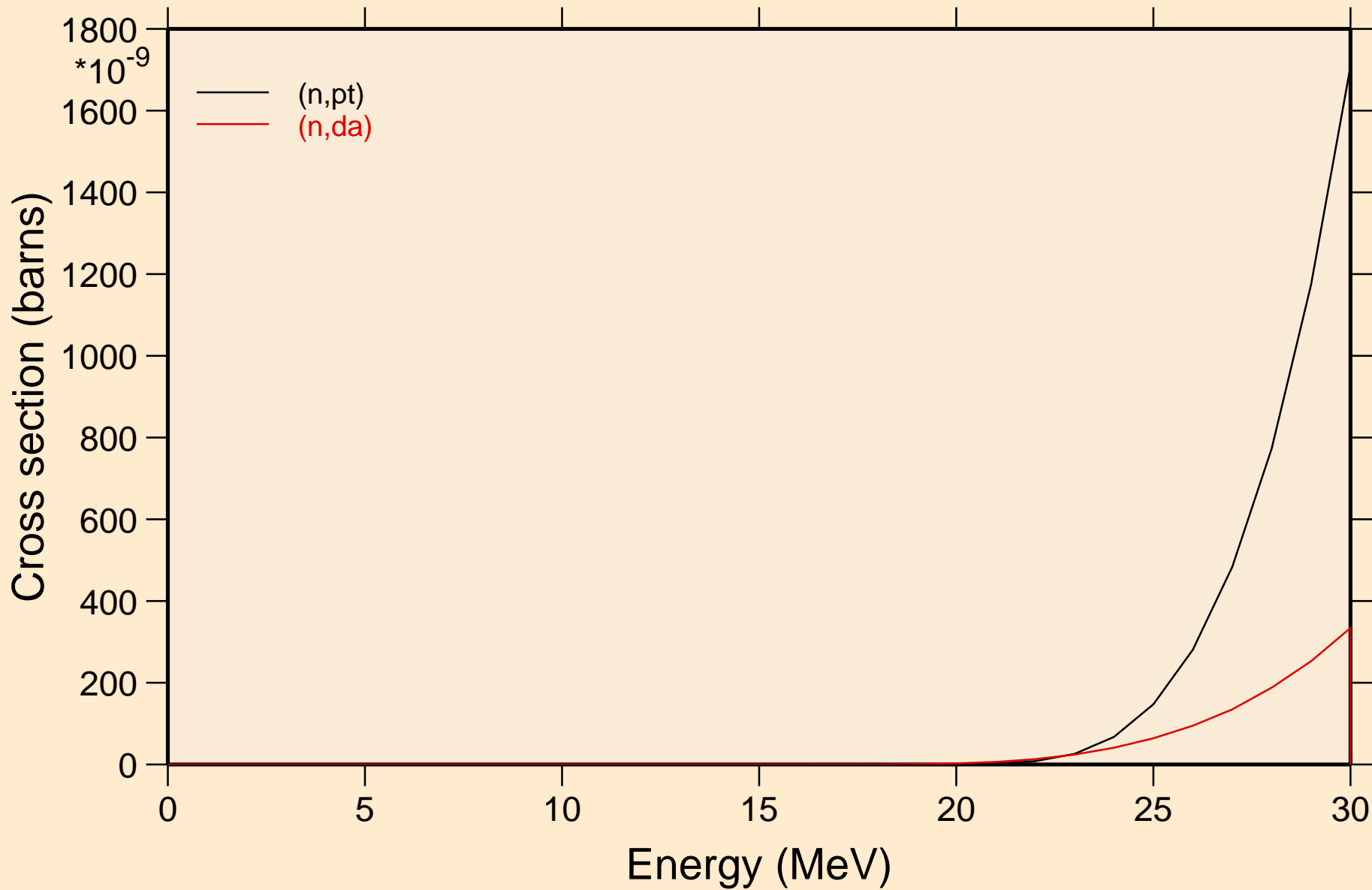
IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



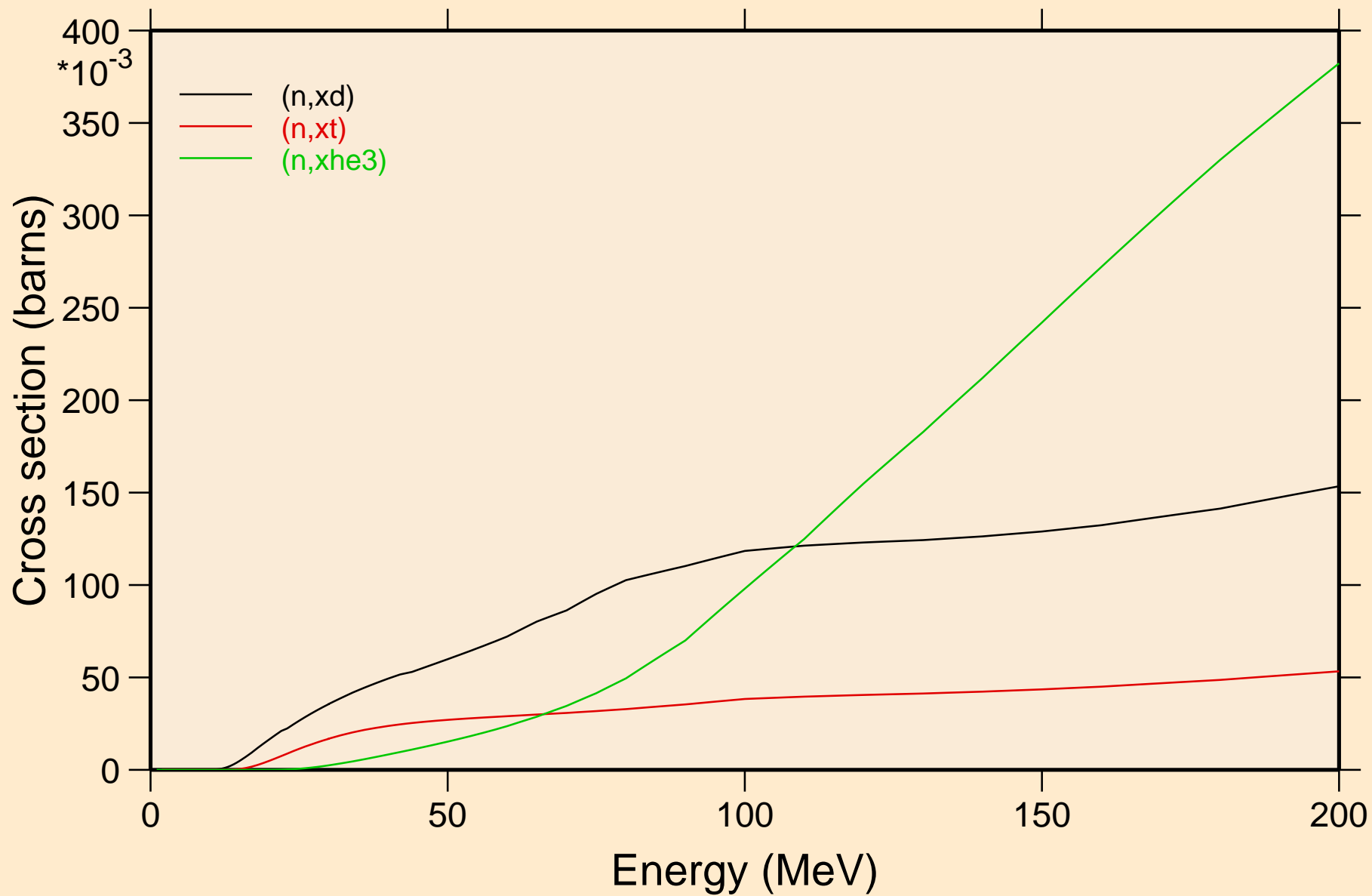
IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



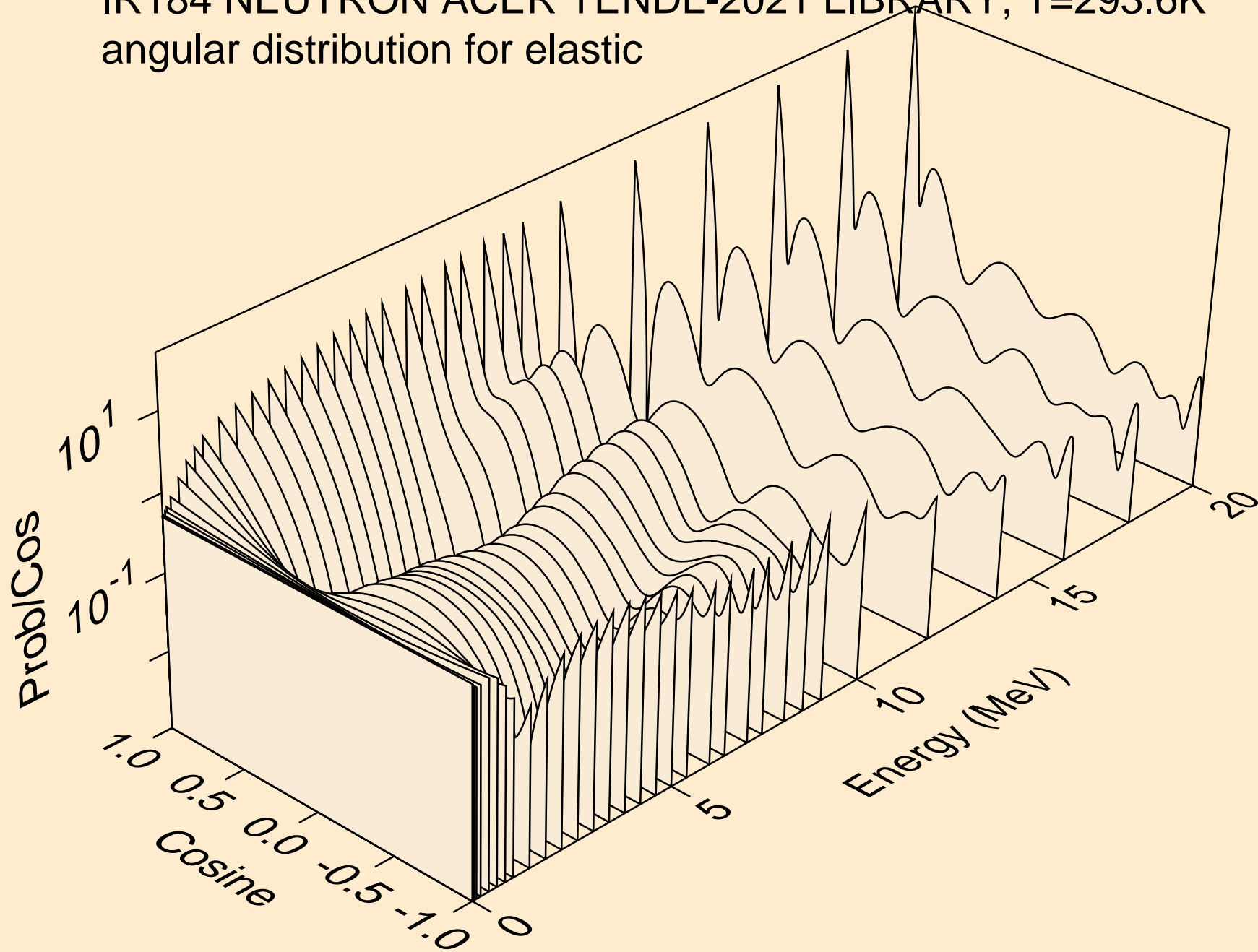
IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



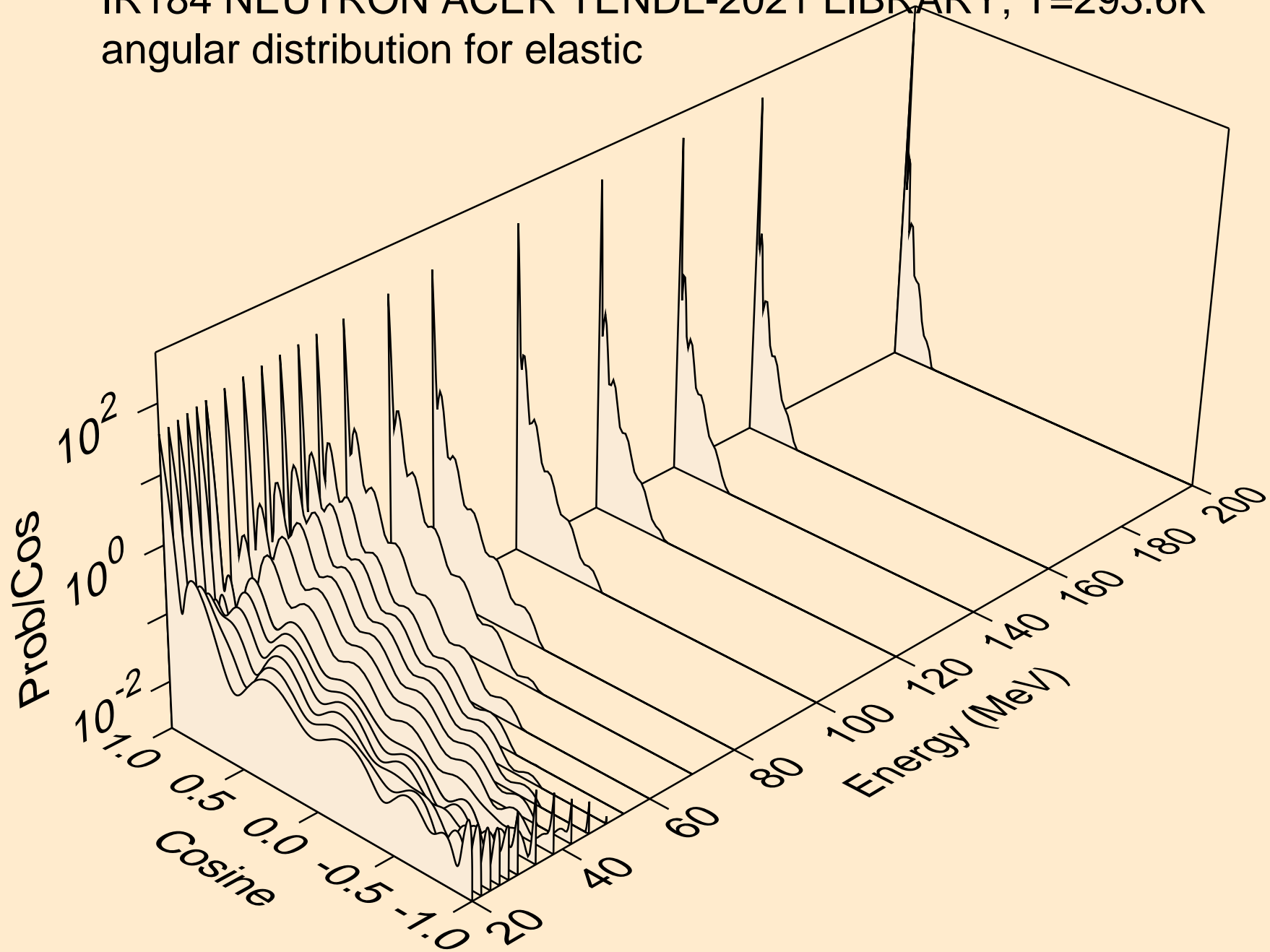
IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for elastic

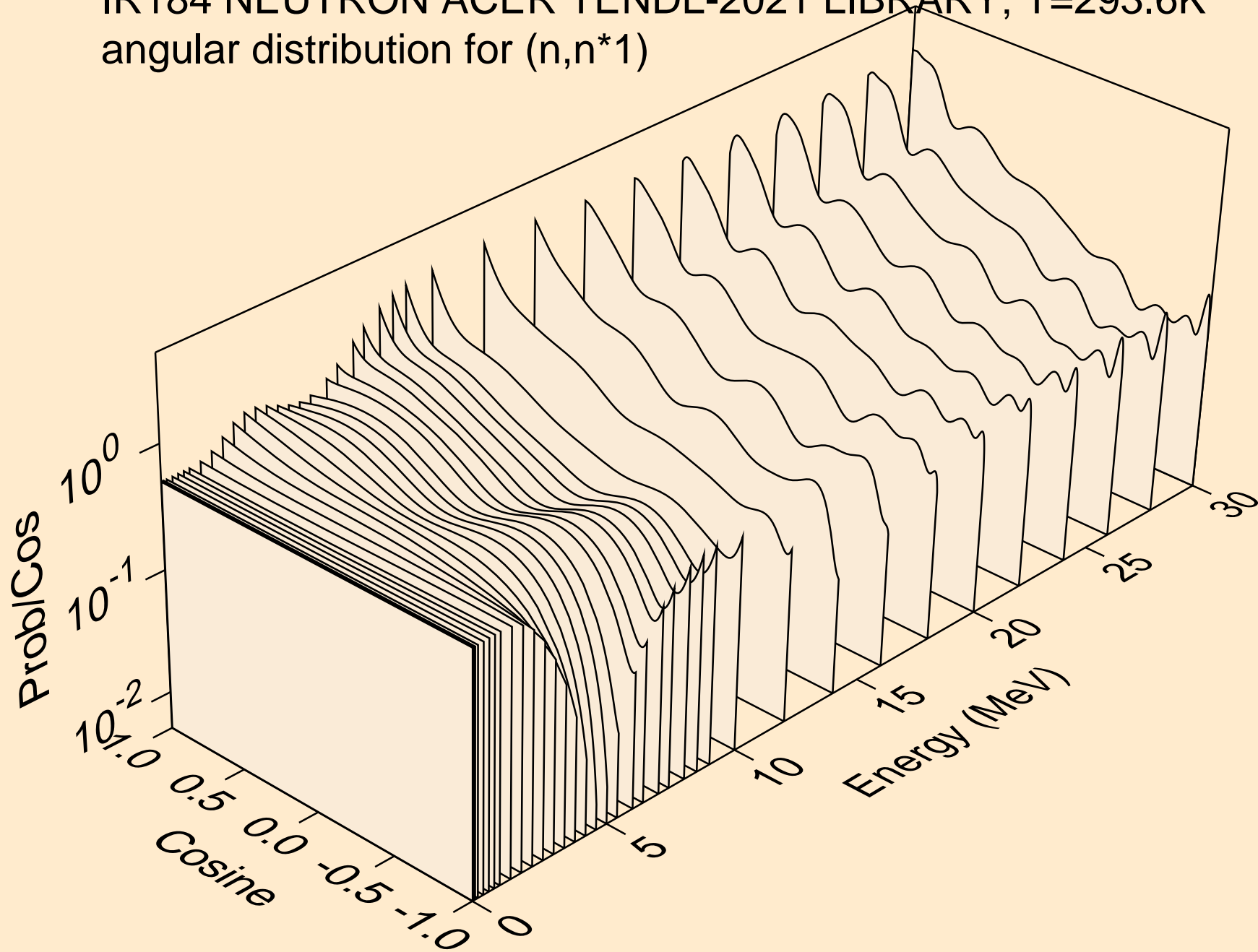


IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for elastic

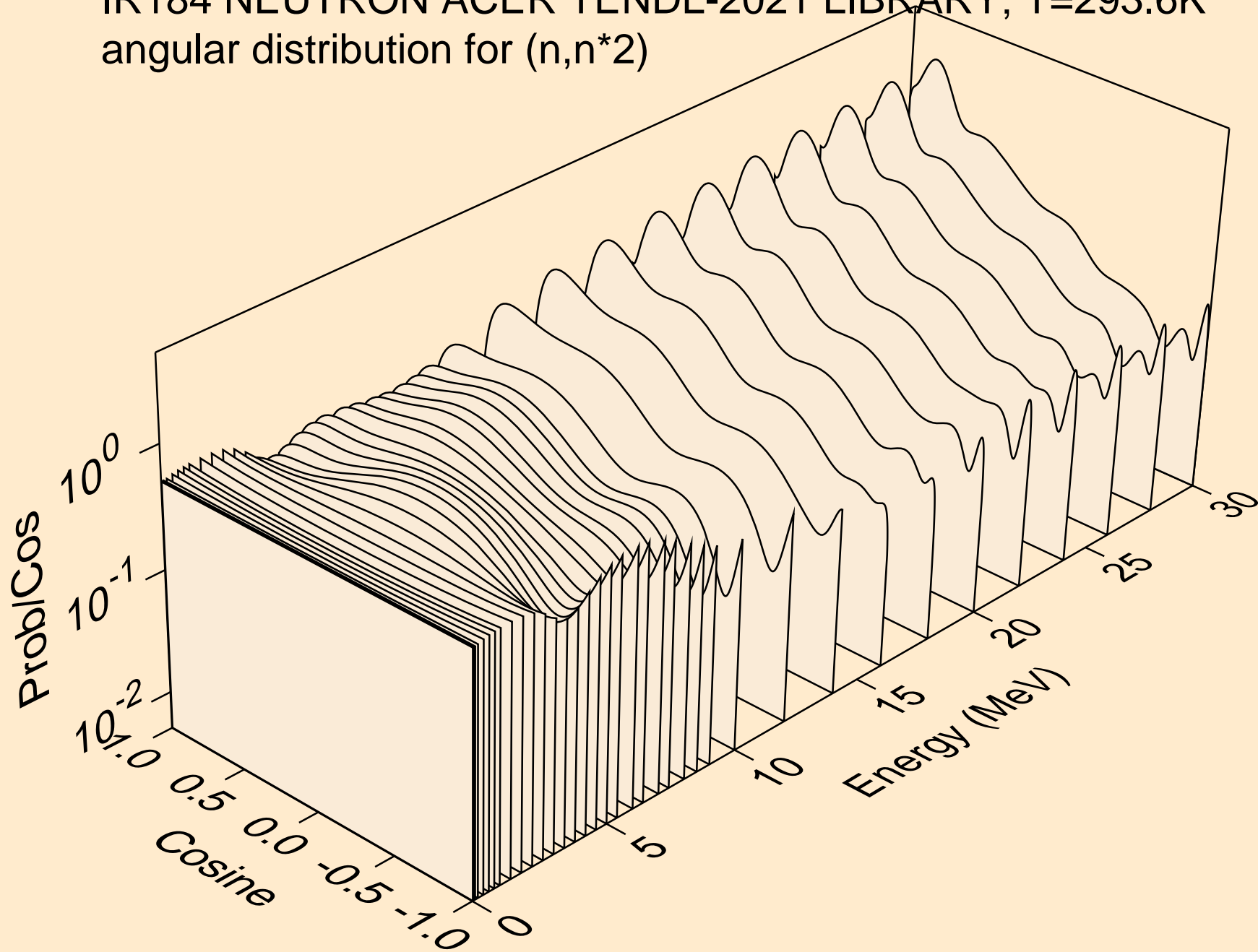




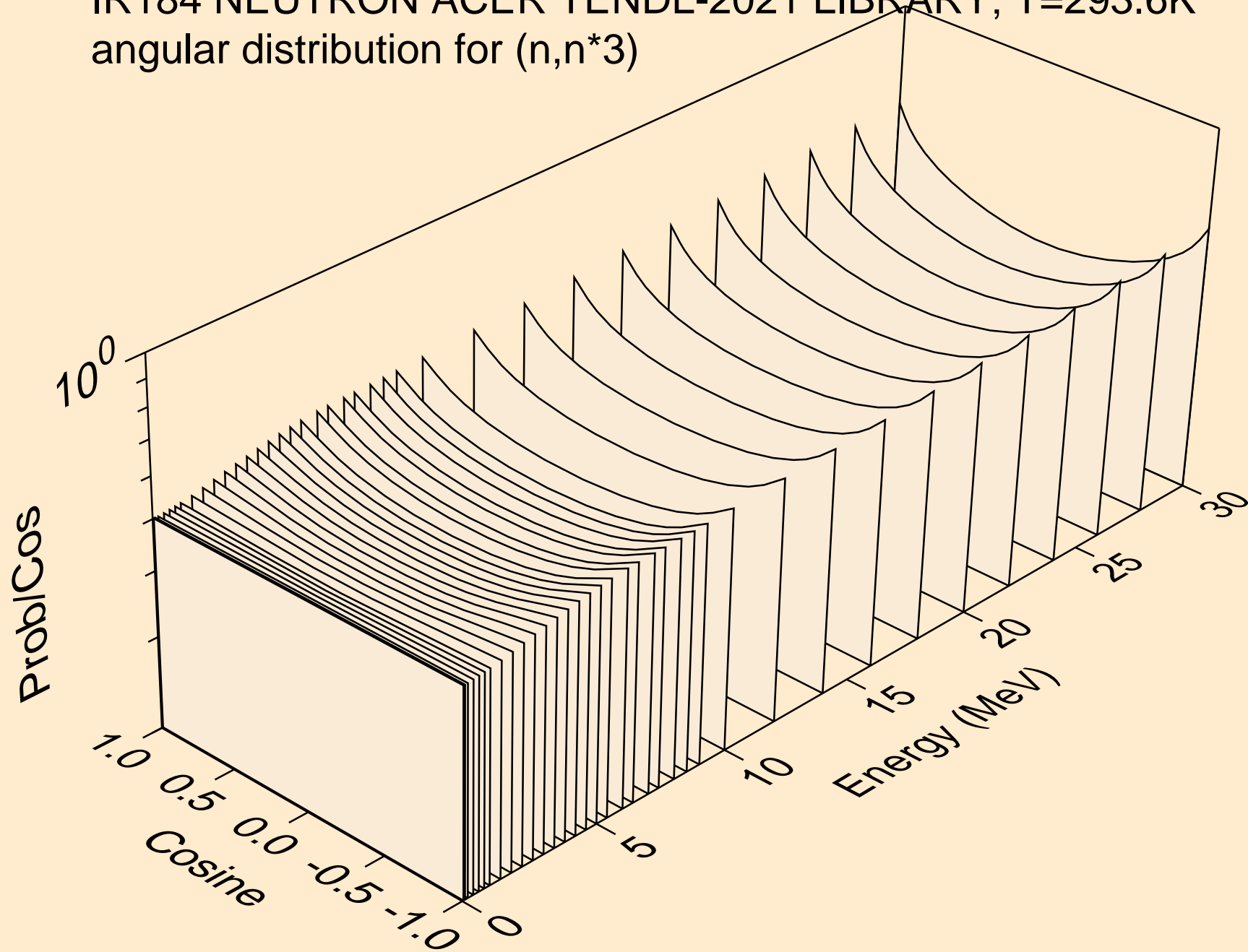
IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*1)



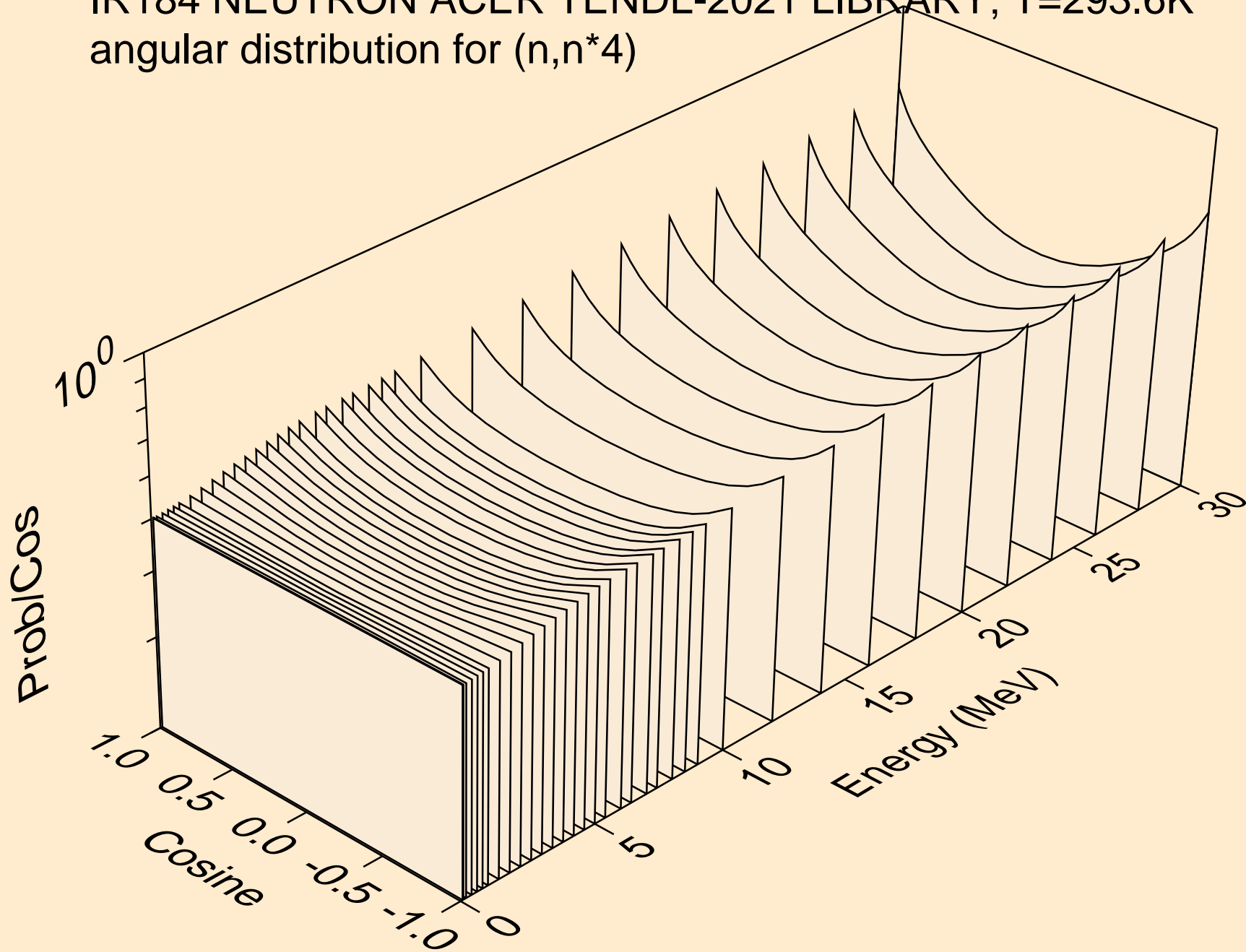
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angular distribution for (n,n\*2)



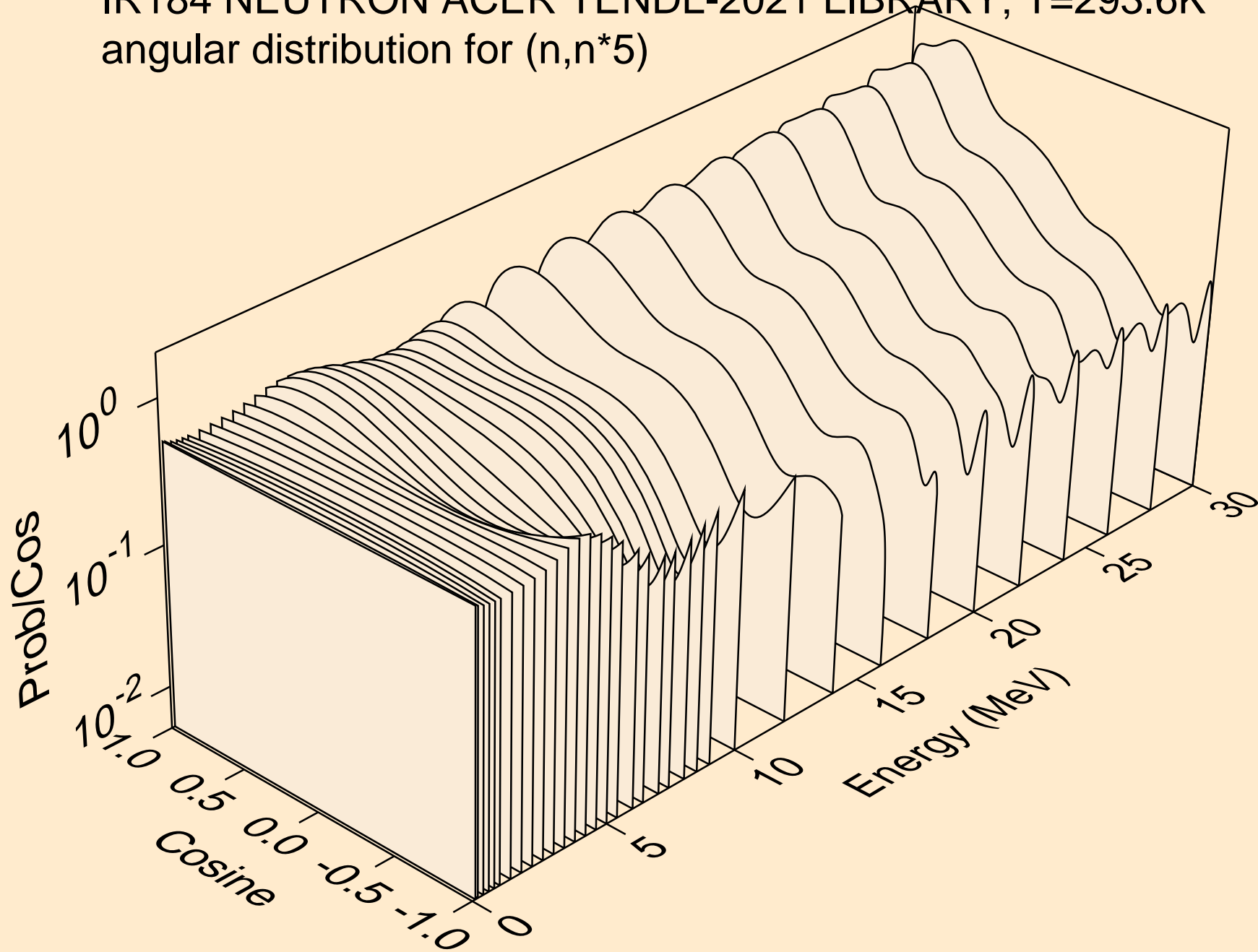
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angular distribution for (n,n\*3)



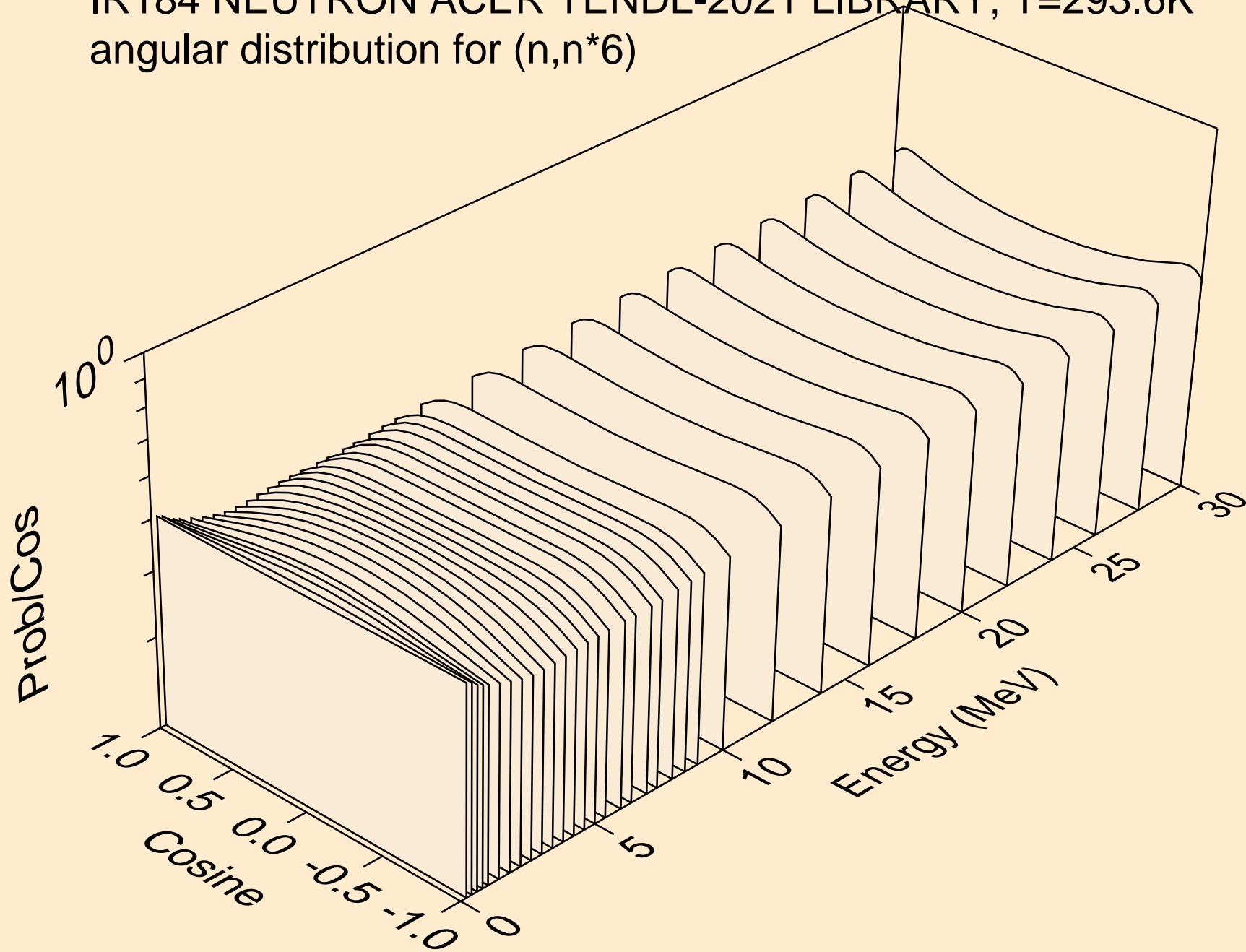
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angular distribution for (n,n\*4)



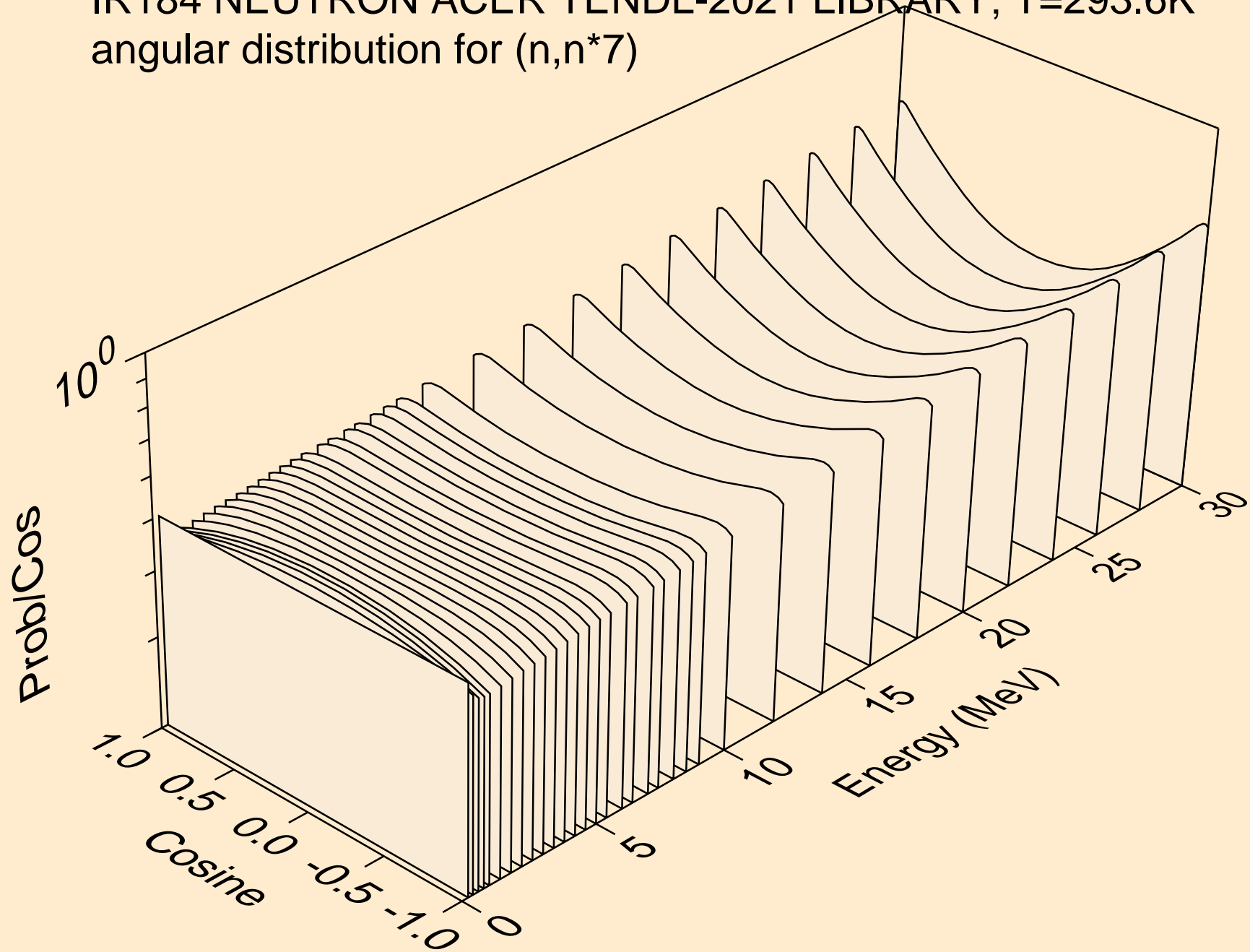
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angular distribution for (n,n\*5)



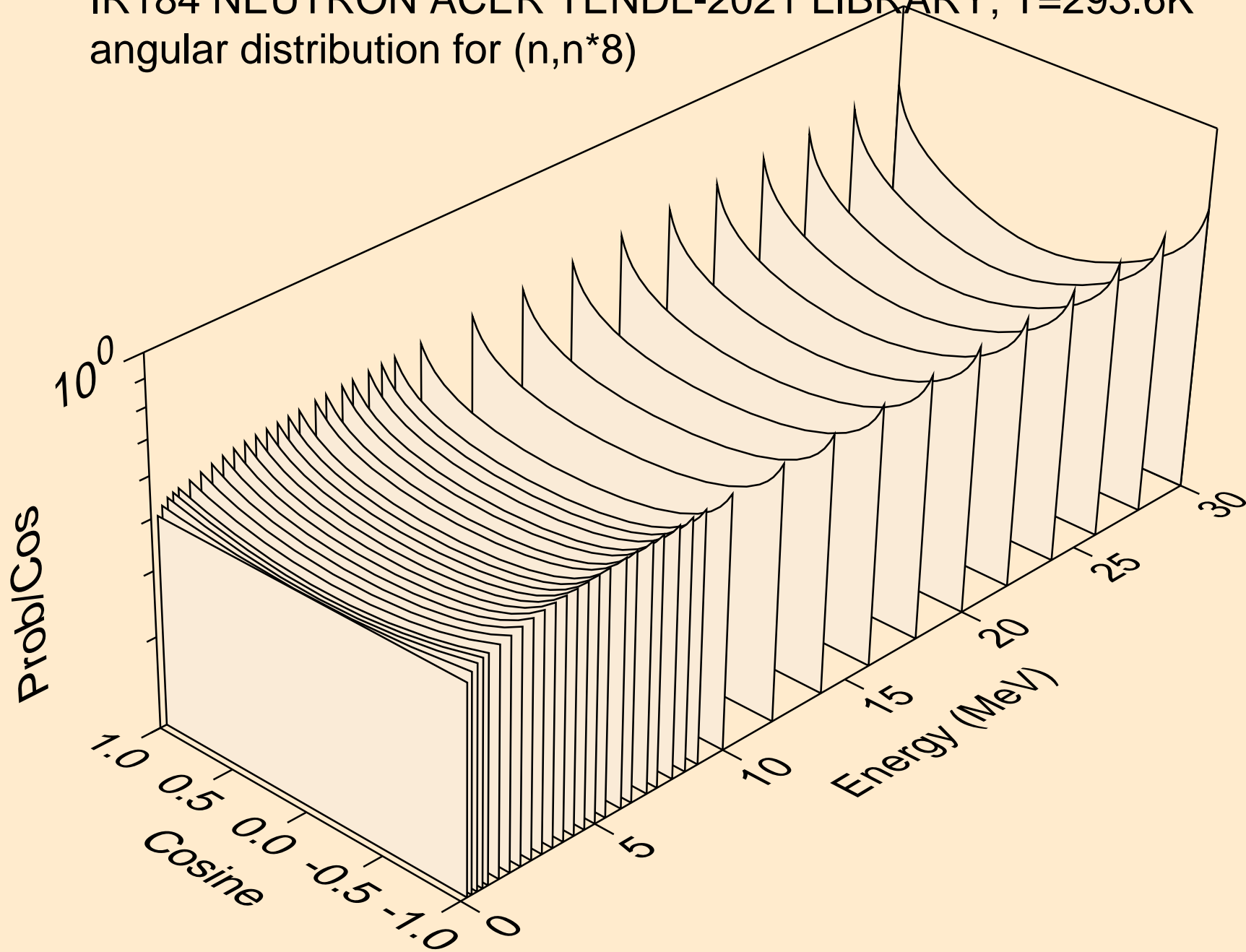
IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*6)



IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*7)

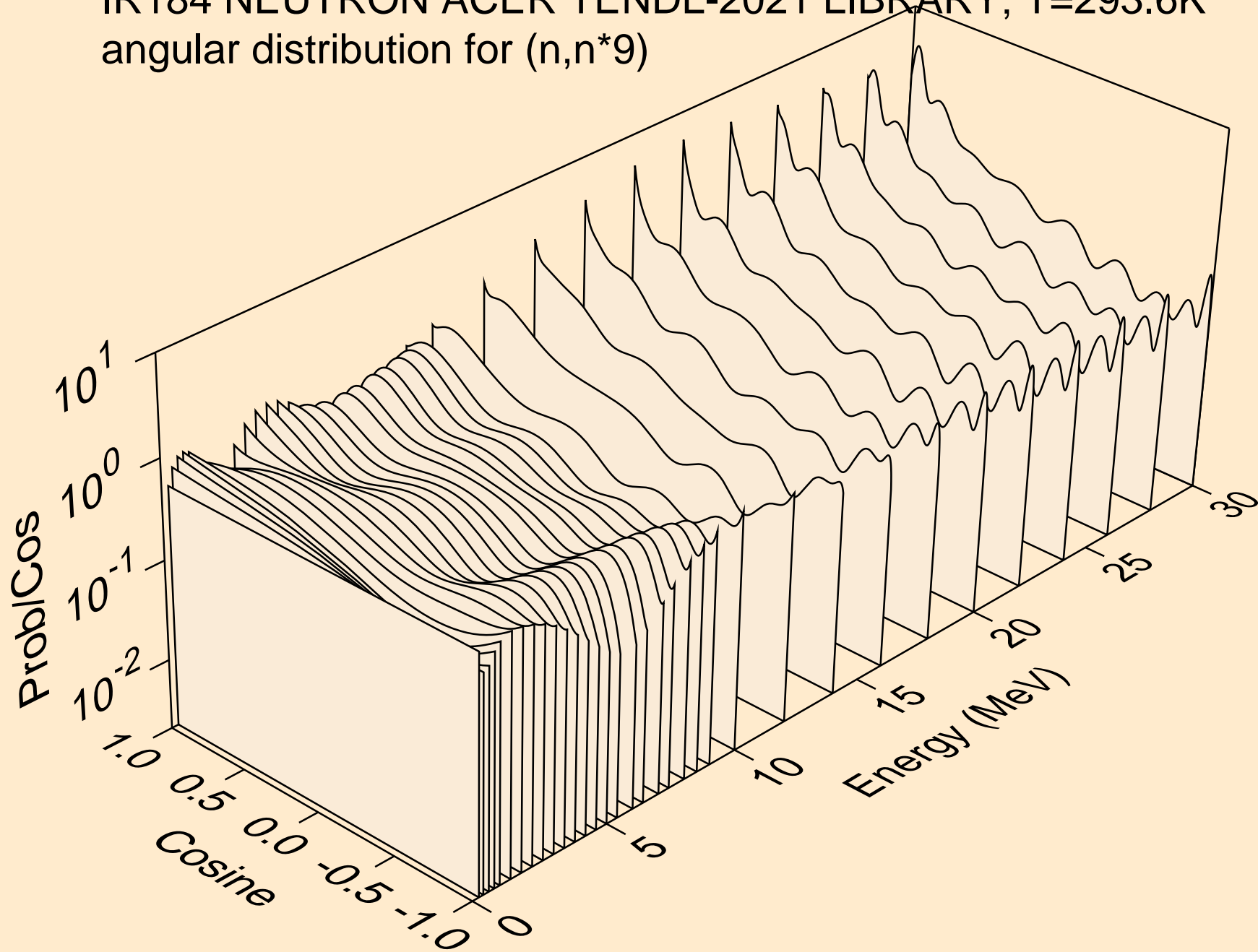


IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*8)

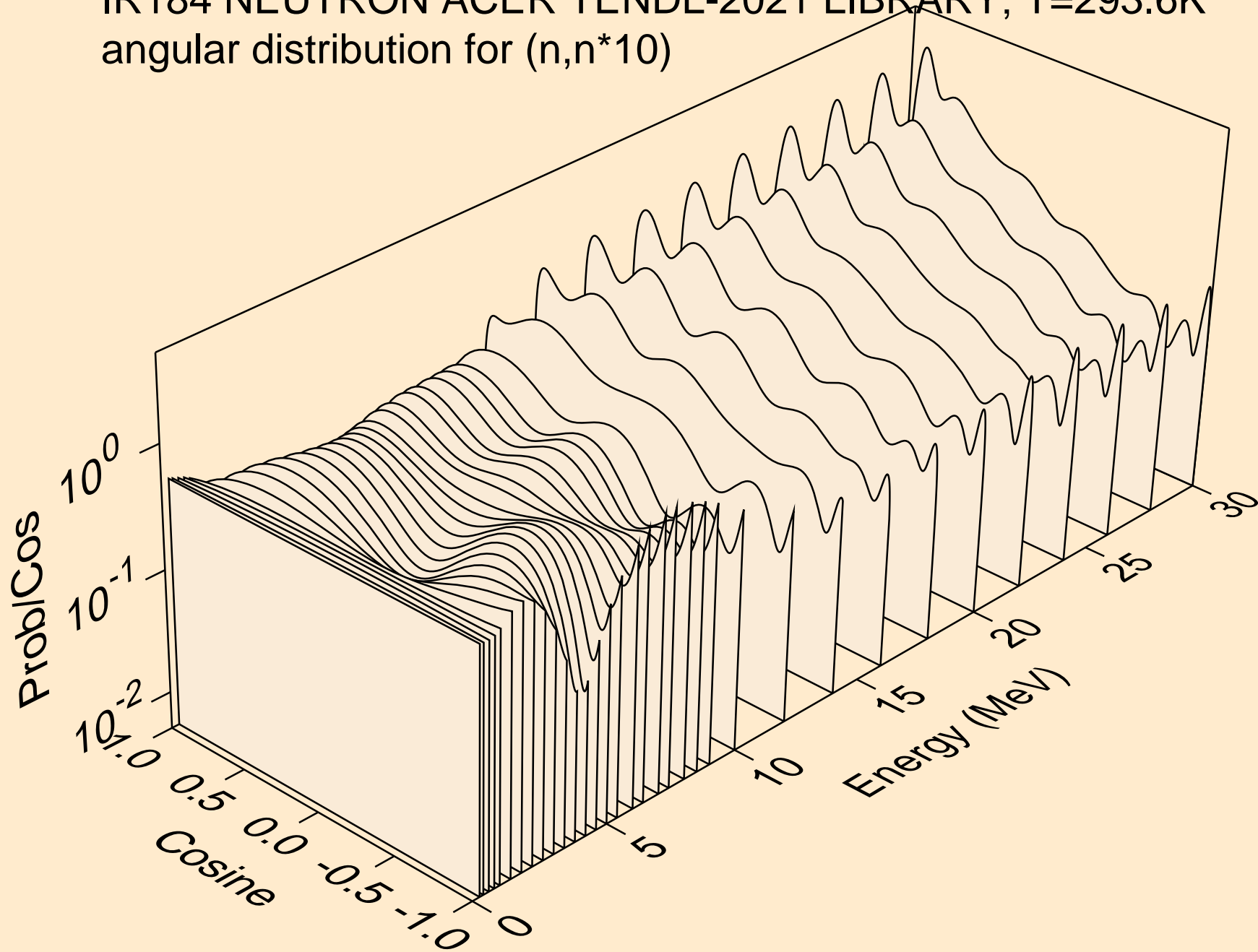




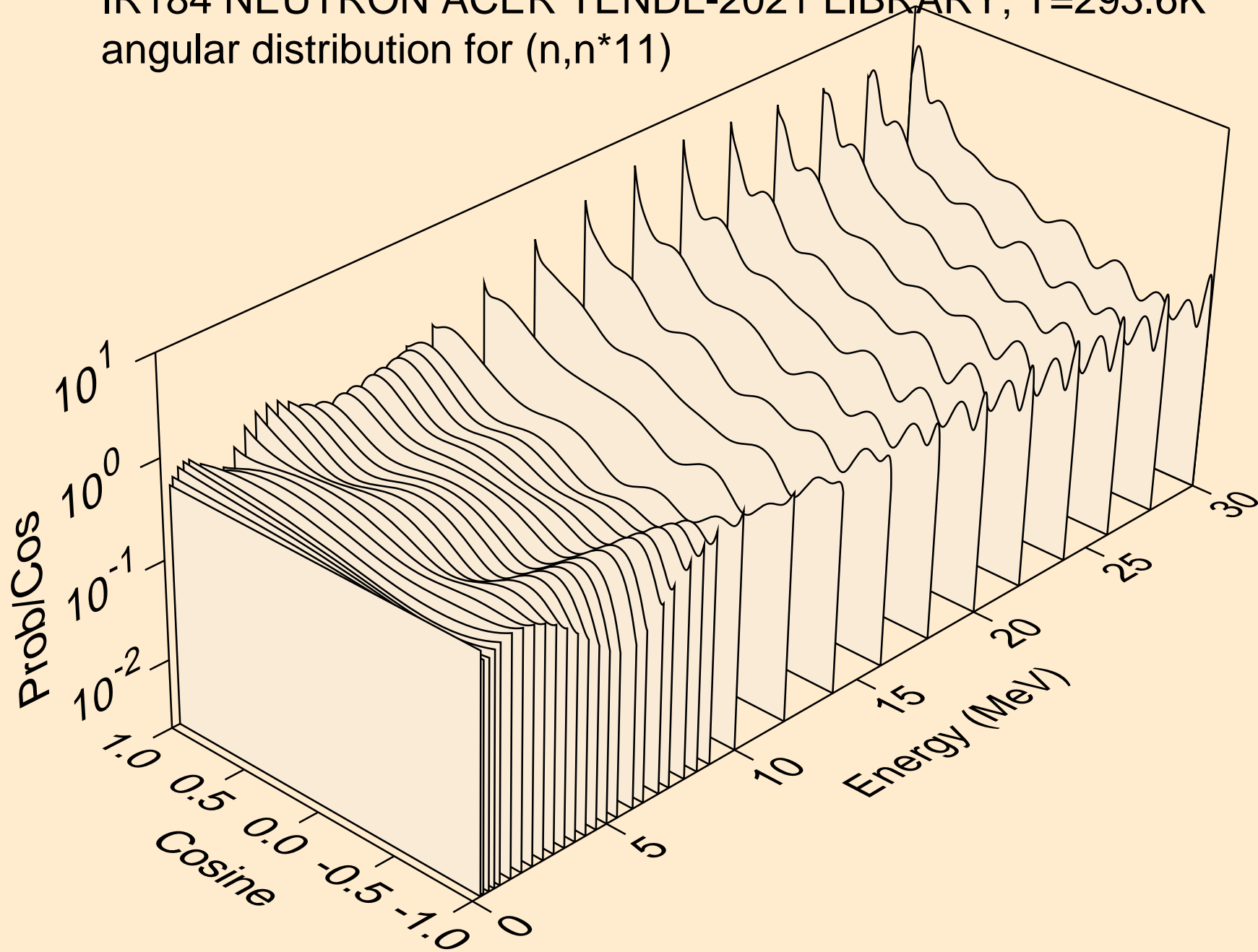
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angular distribution for (n,n\*9)



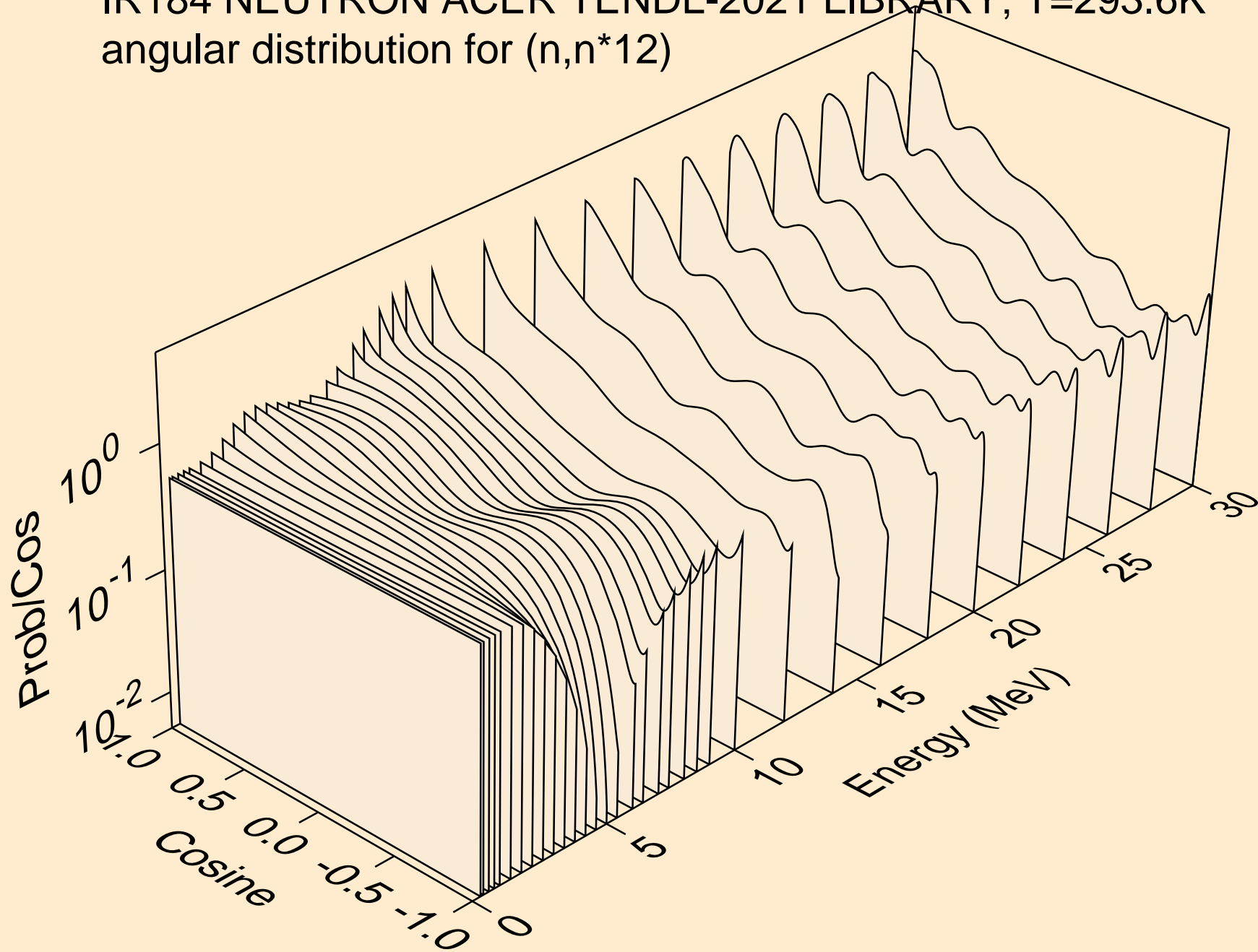
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angular distribution for (n,n\*10)



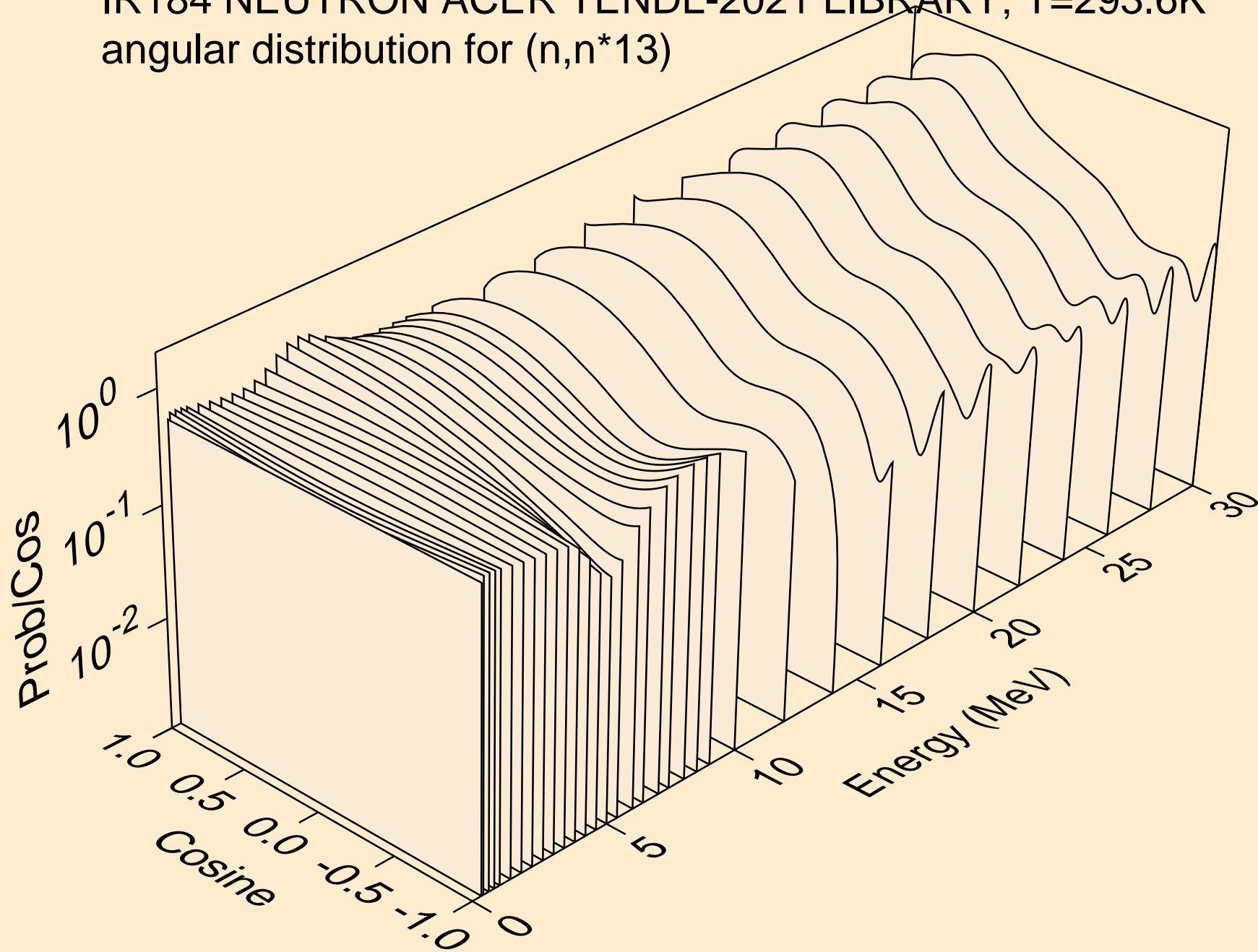
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angular distribution for (n,n\*11)



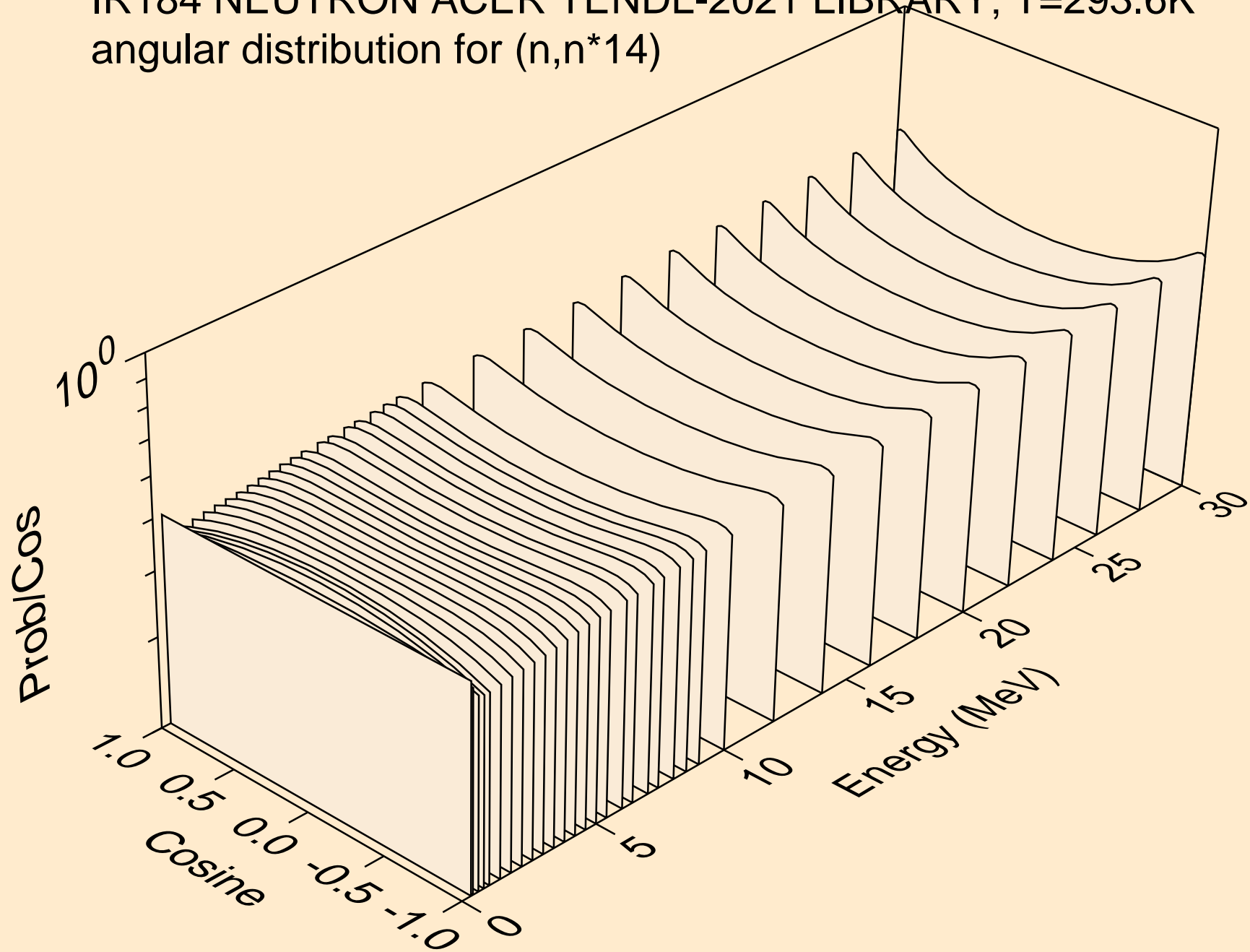
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angular distribution for (n,n\*12)



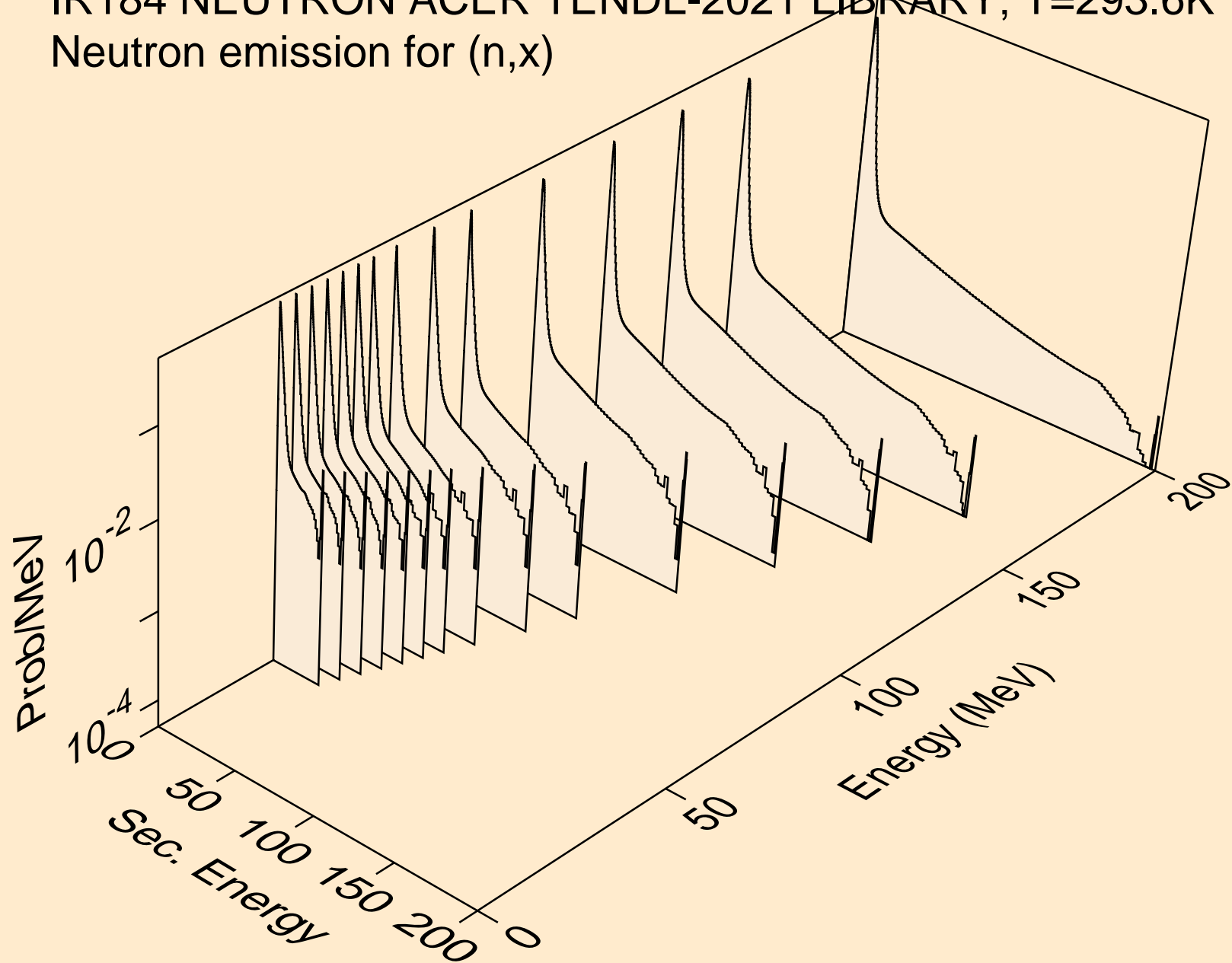
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angular distribution for (n,n\*13)



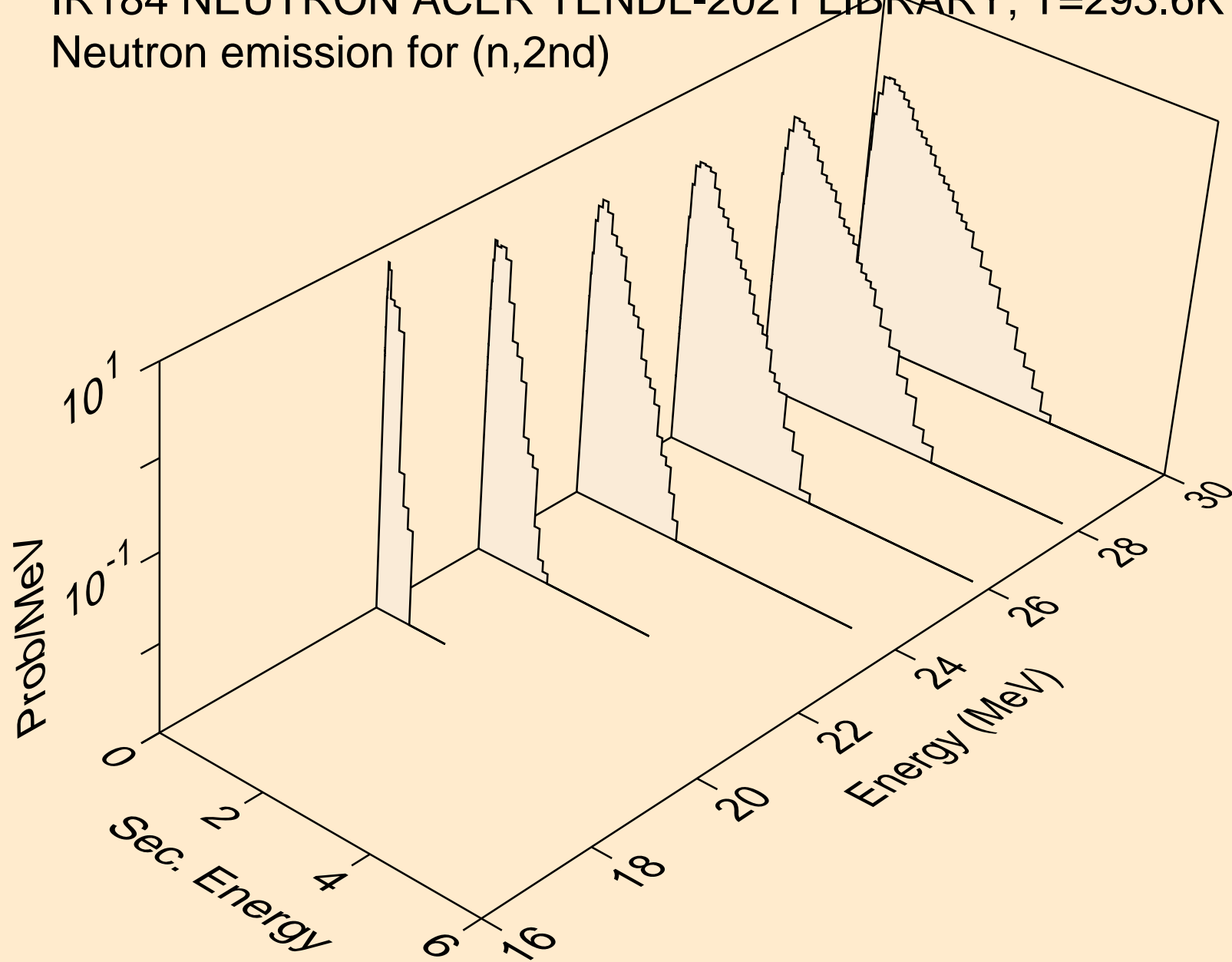
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angular distribution for (n,n\*14)



IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,x)

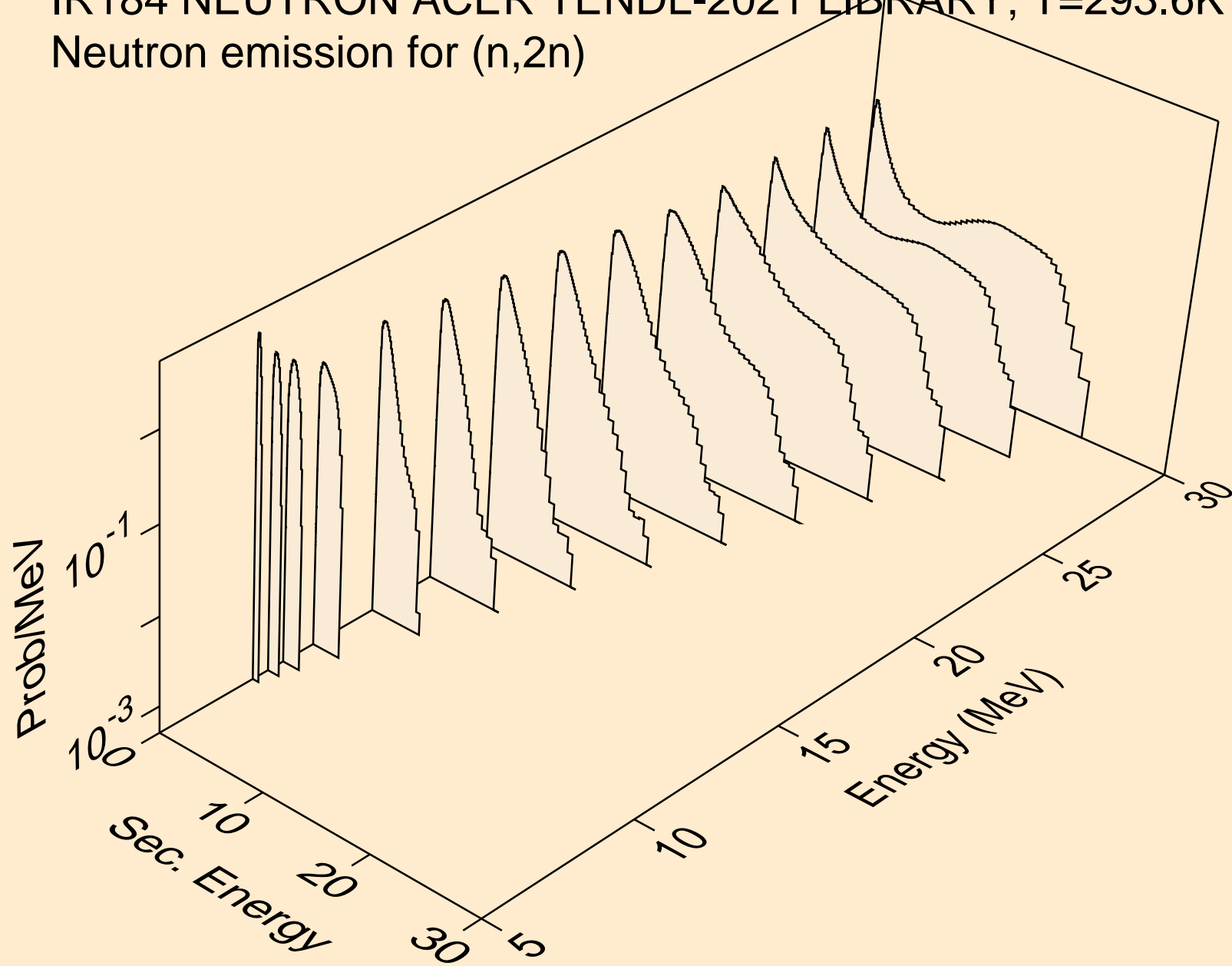


IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2nd)

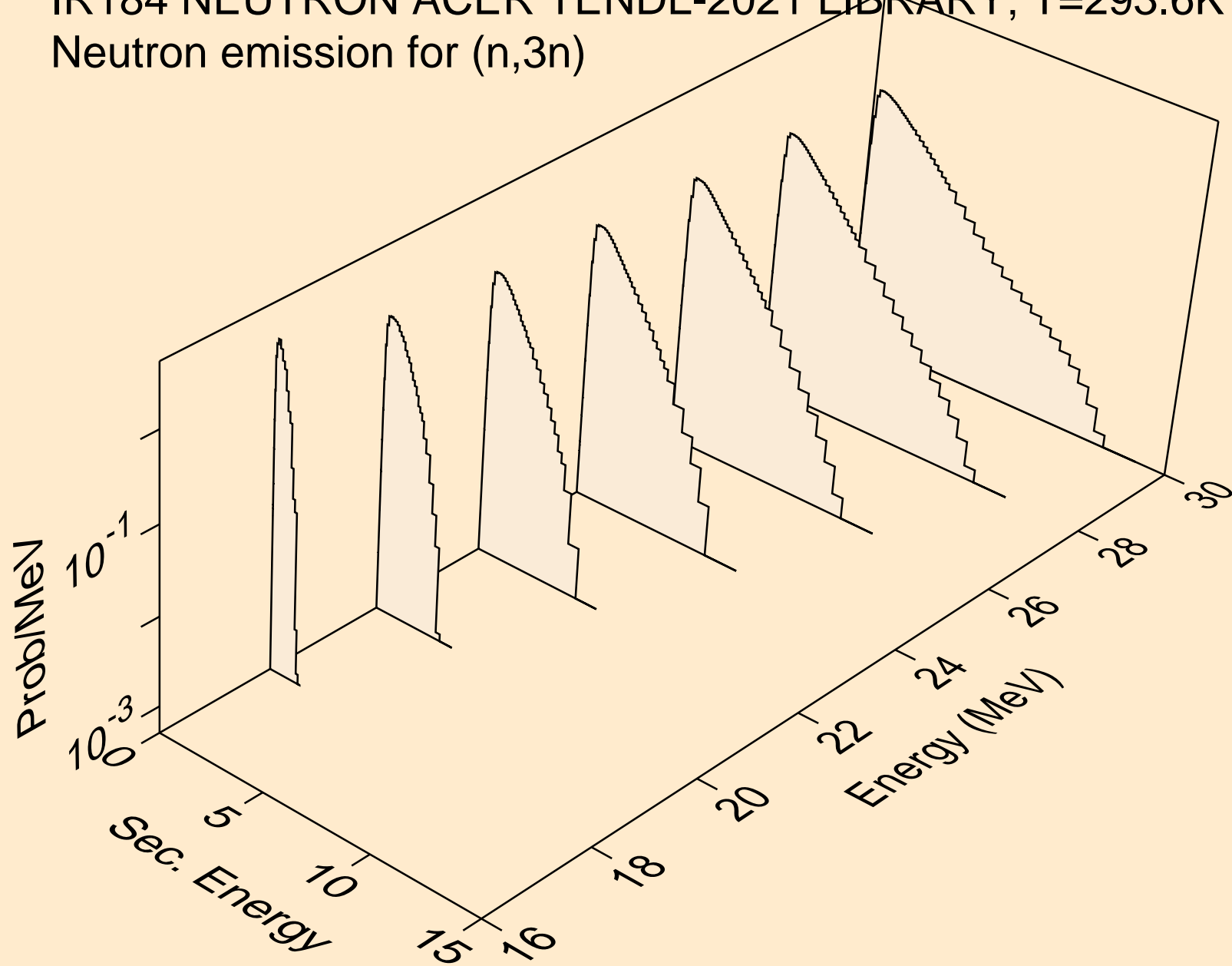




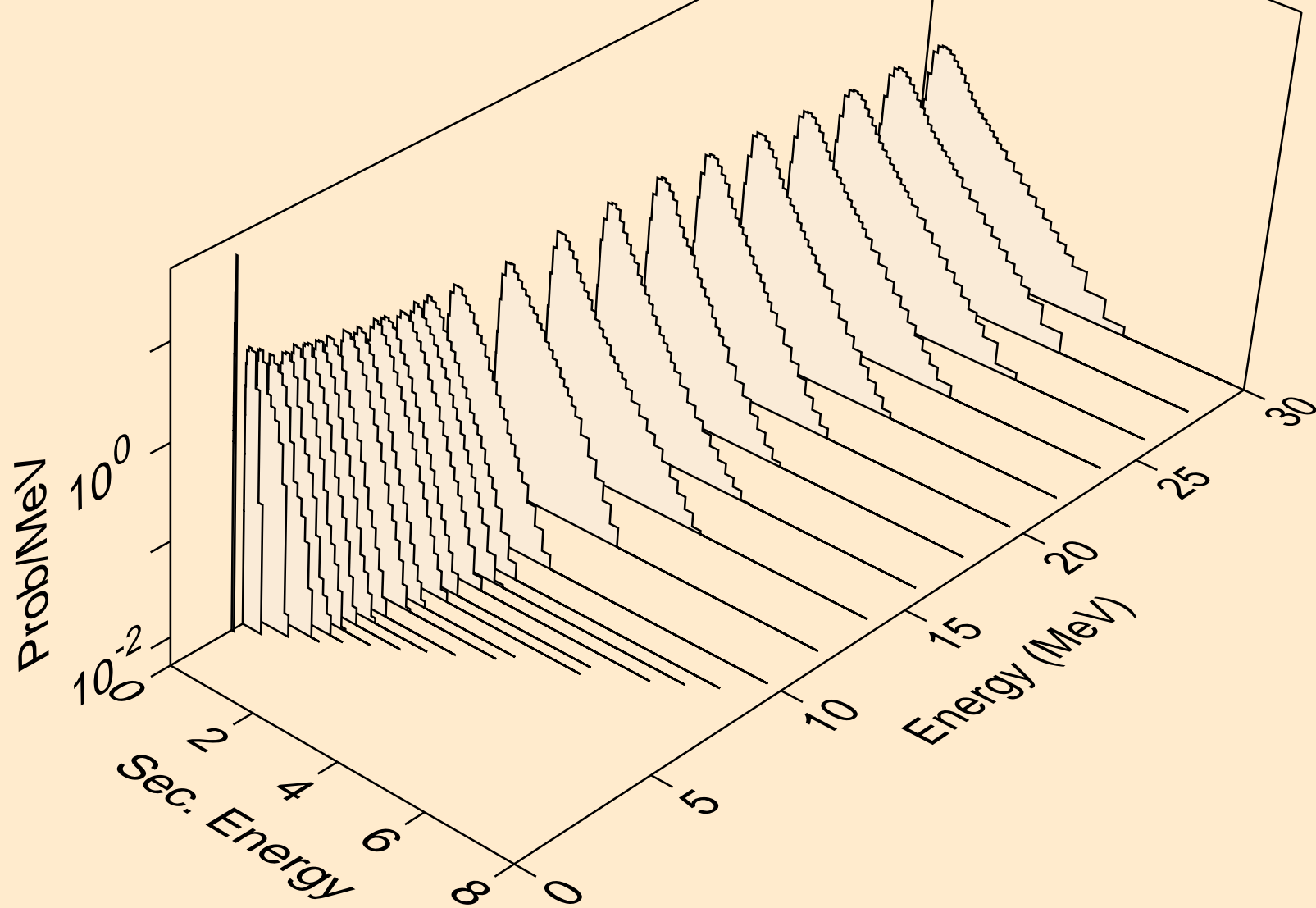
IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)



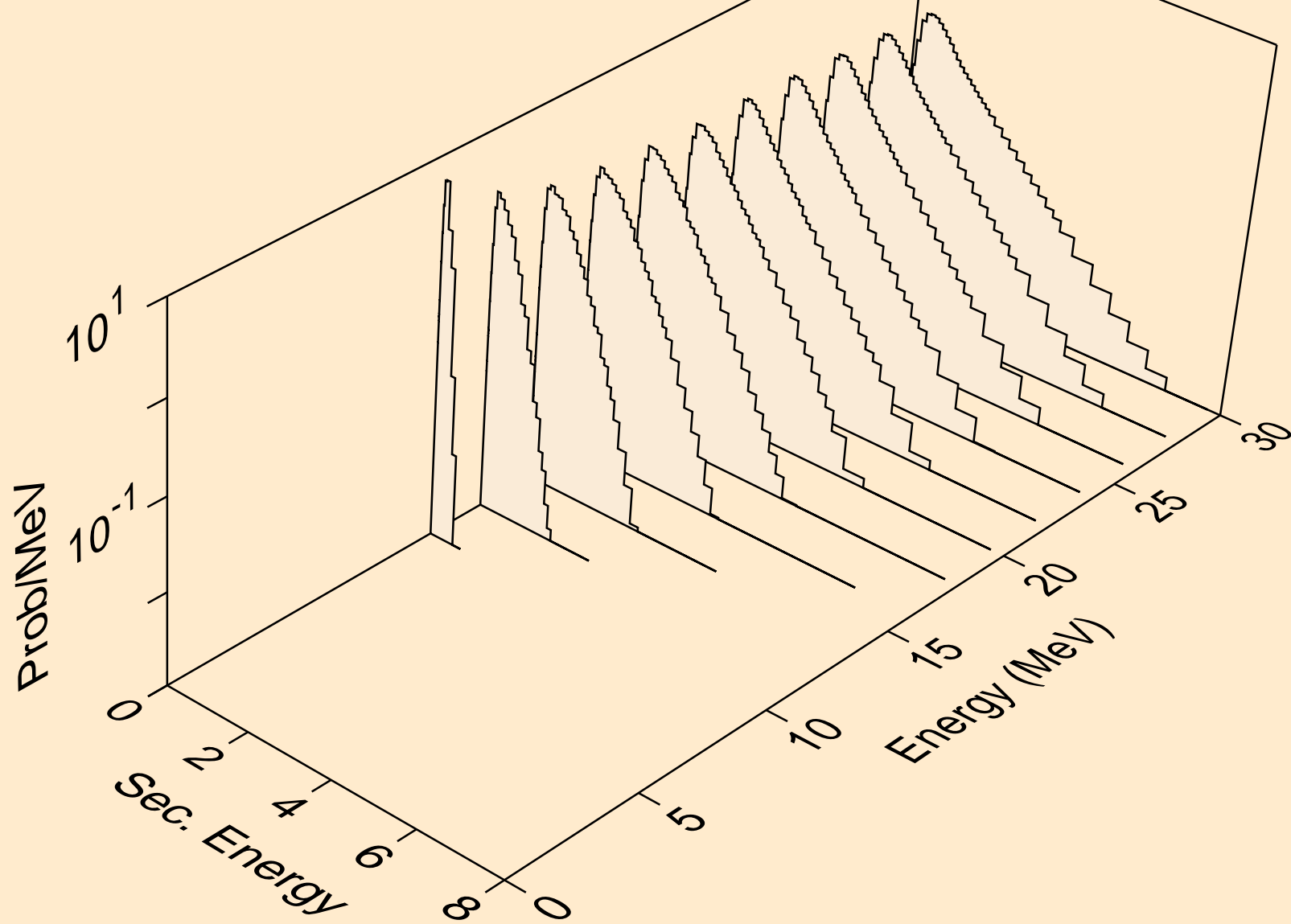
IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3n)



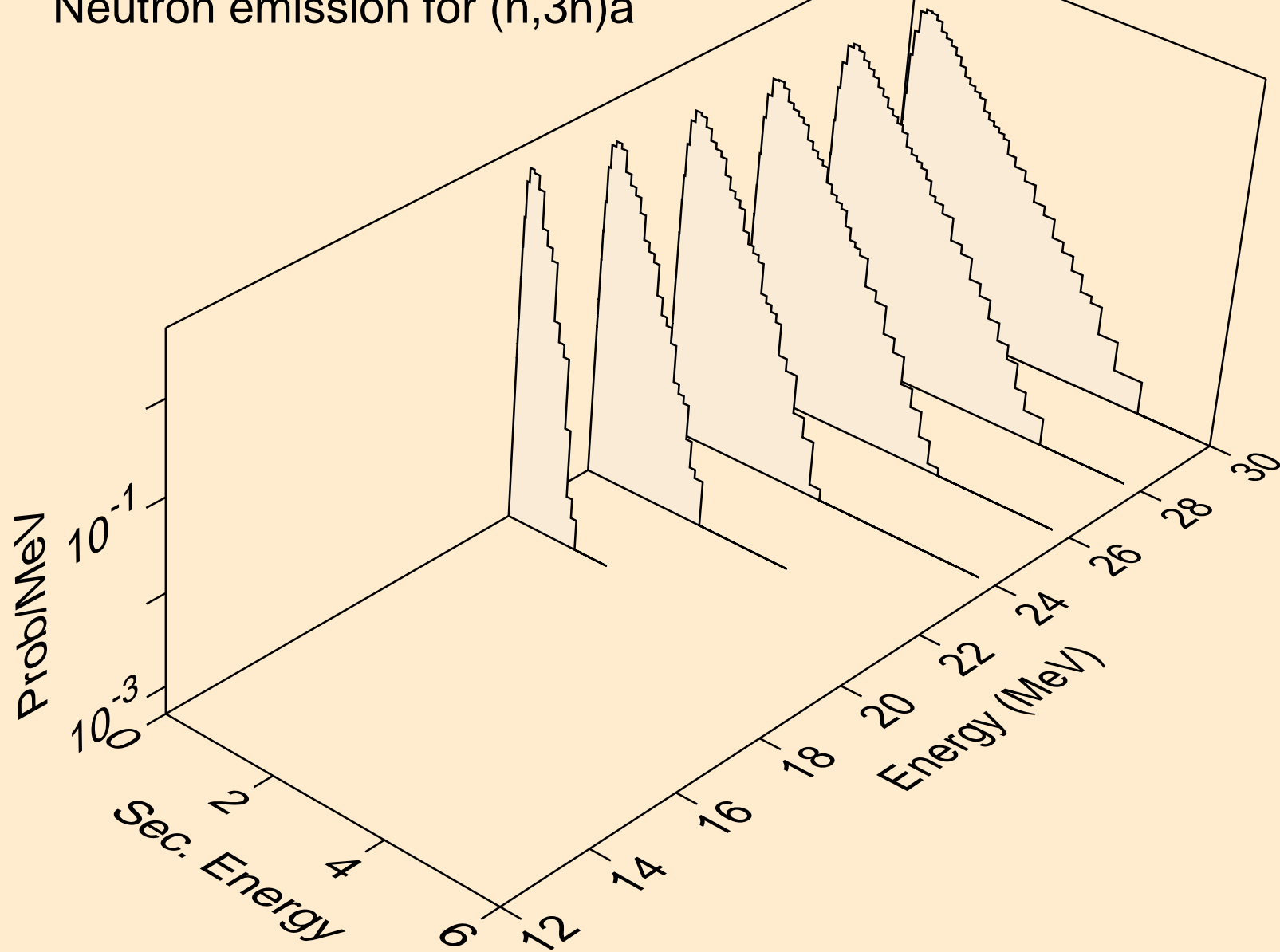
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Neutron emission for (n,n\*)a



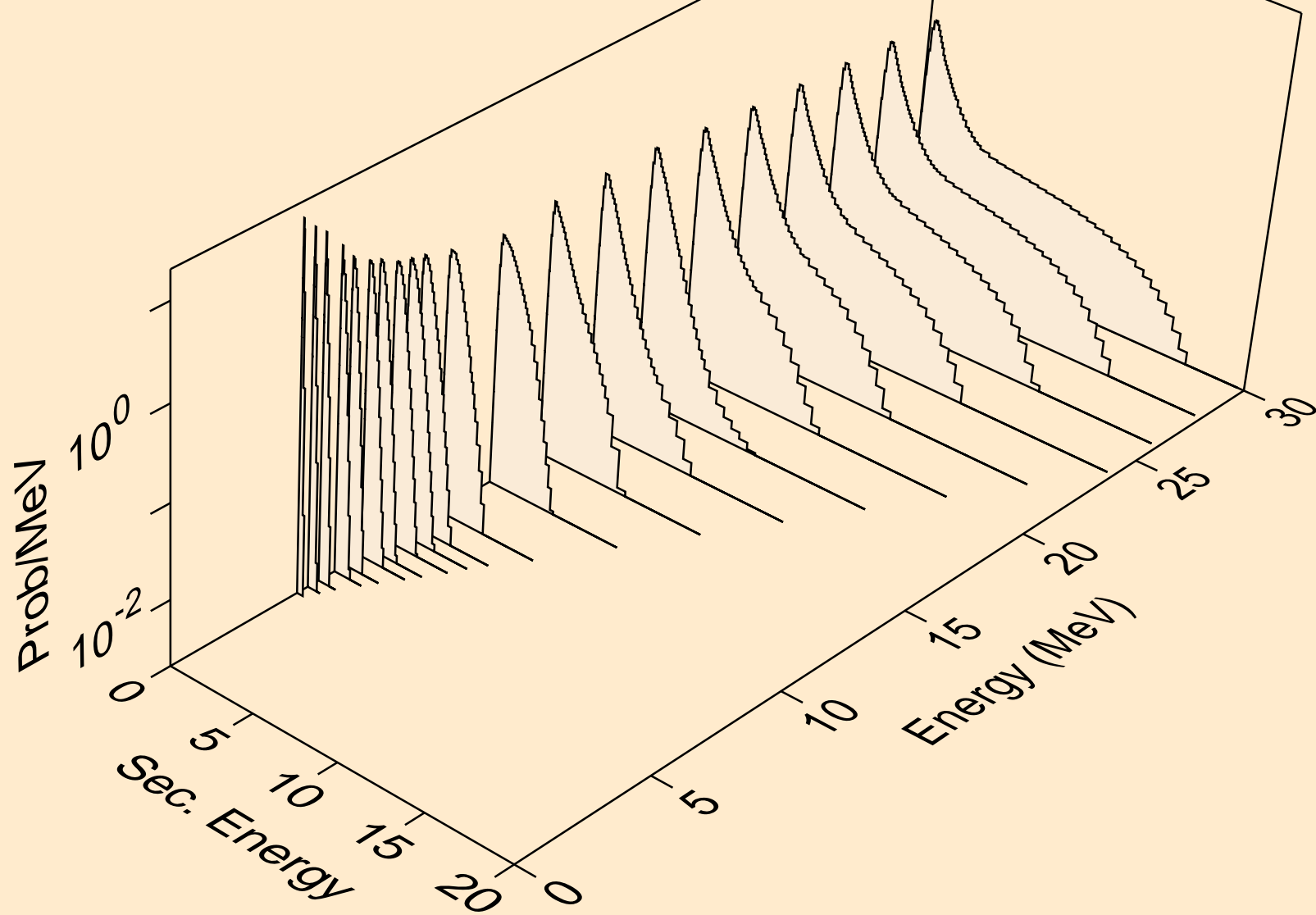
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Neutron emission for (n,2n)a



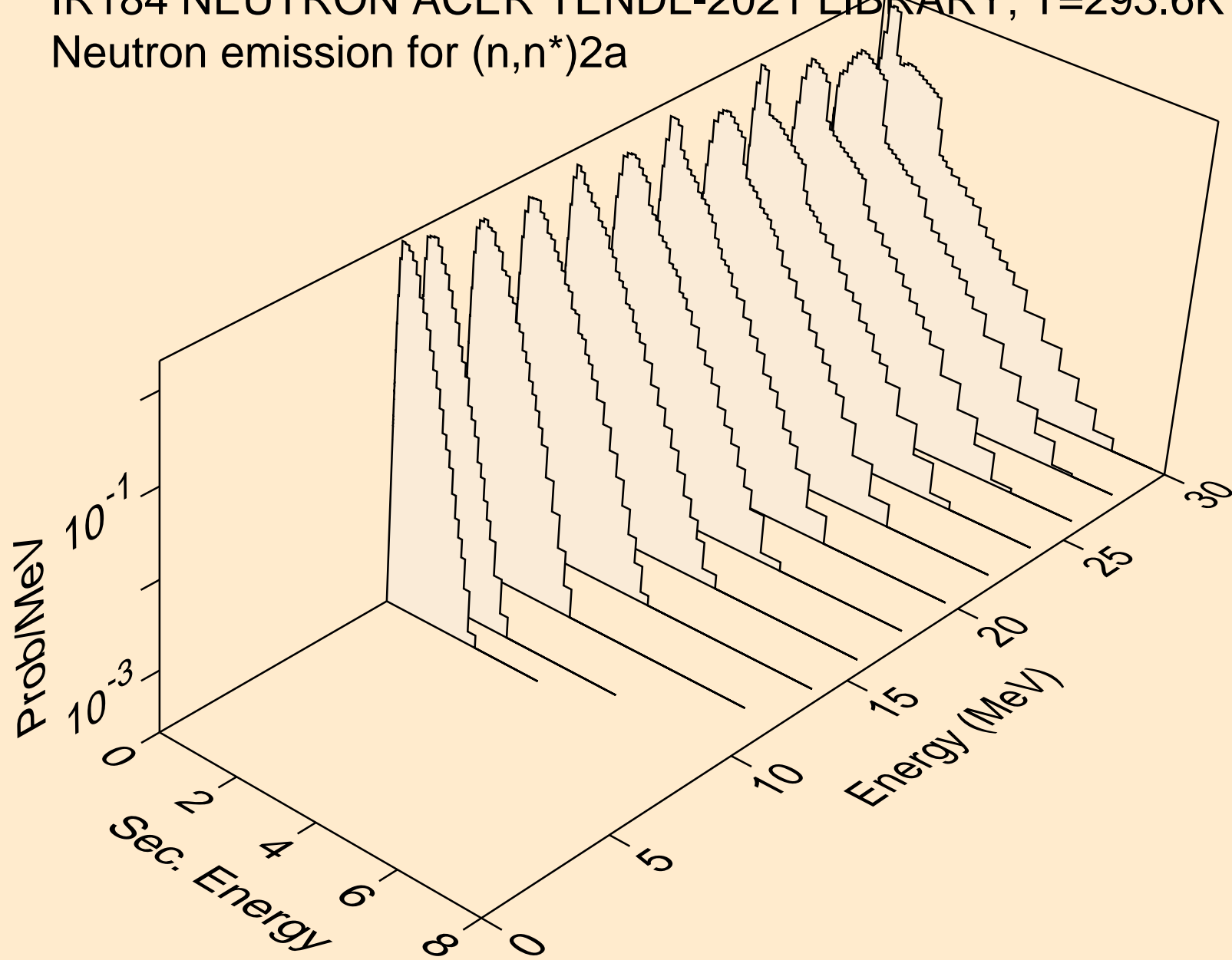
IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3n)a



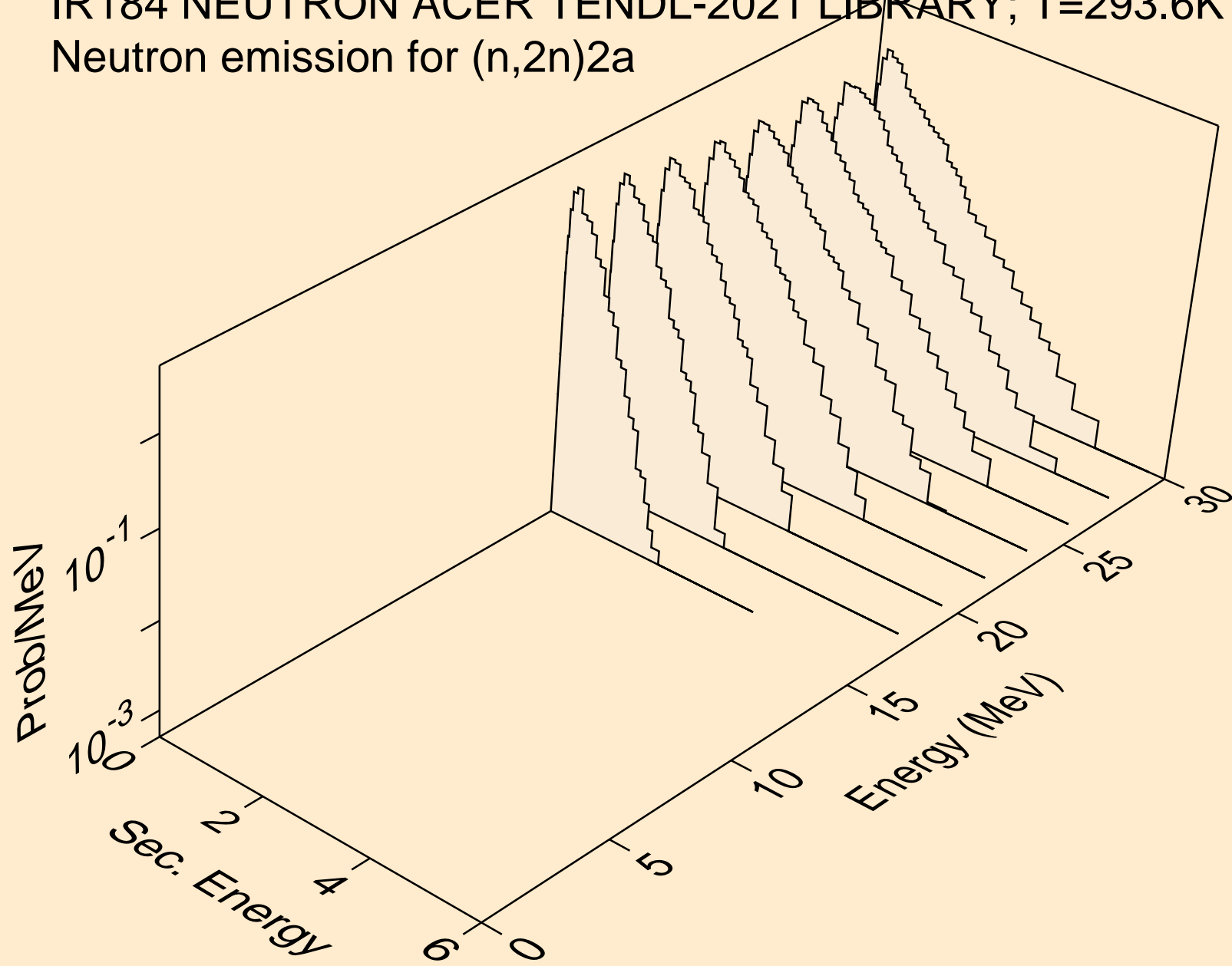
IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)p



IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)2a

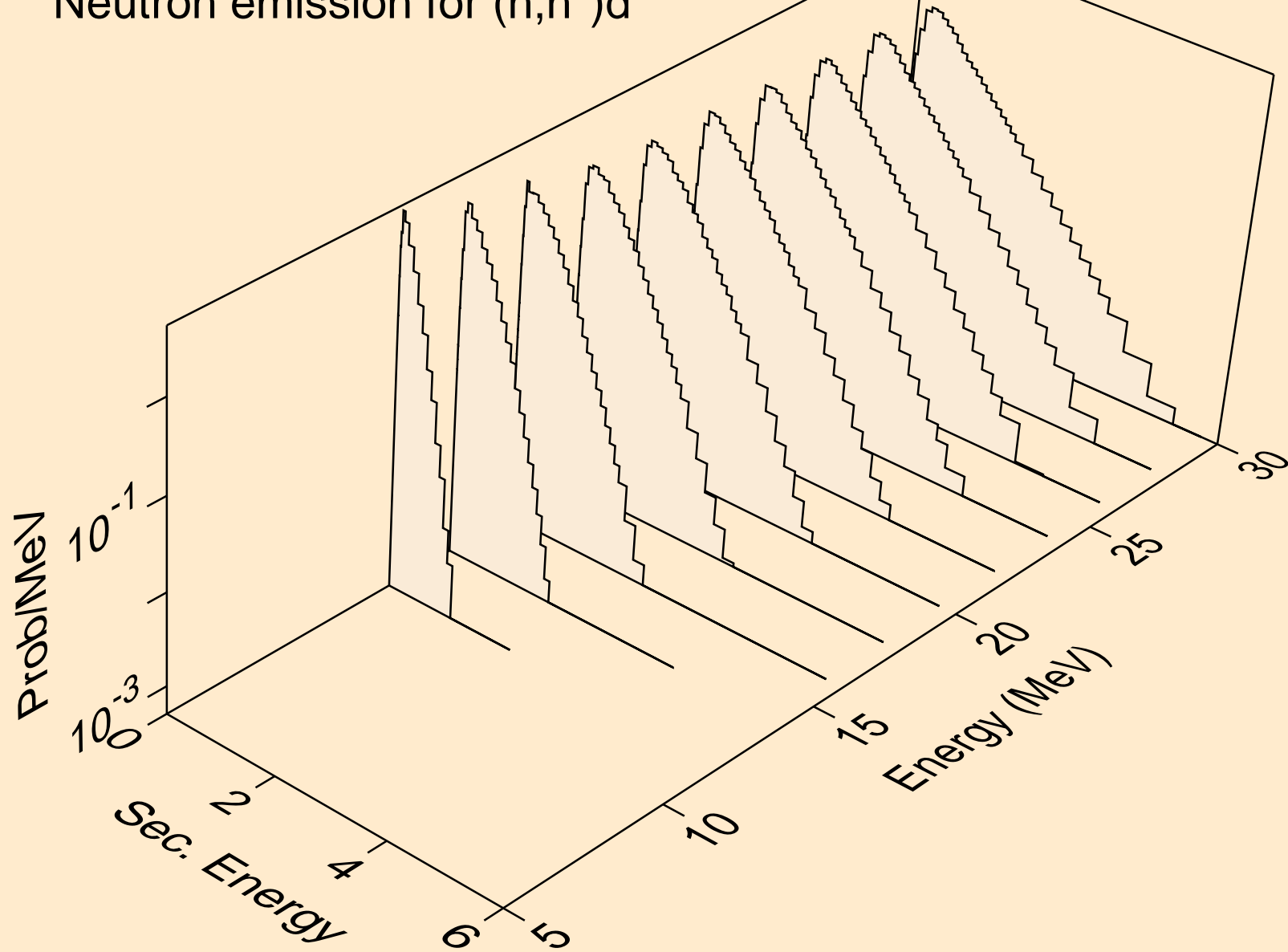


IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)2a

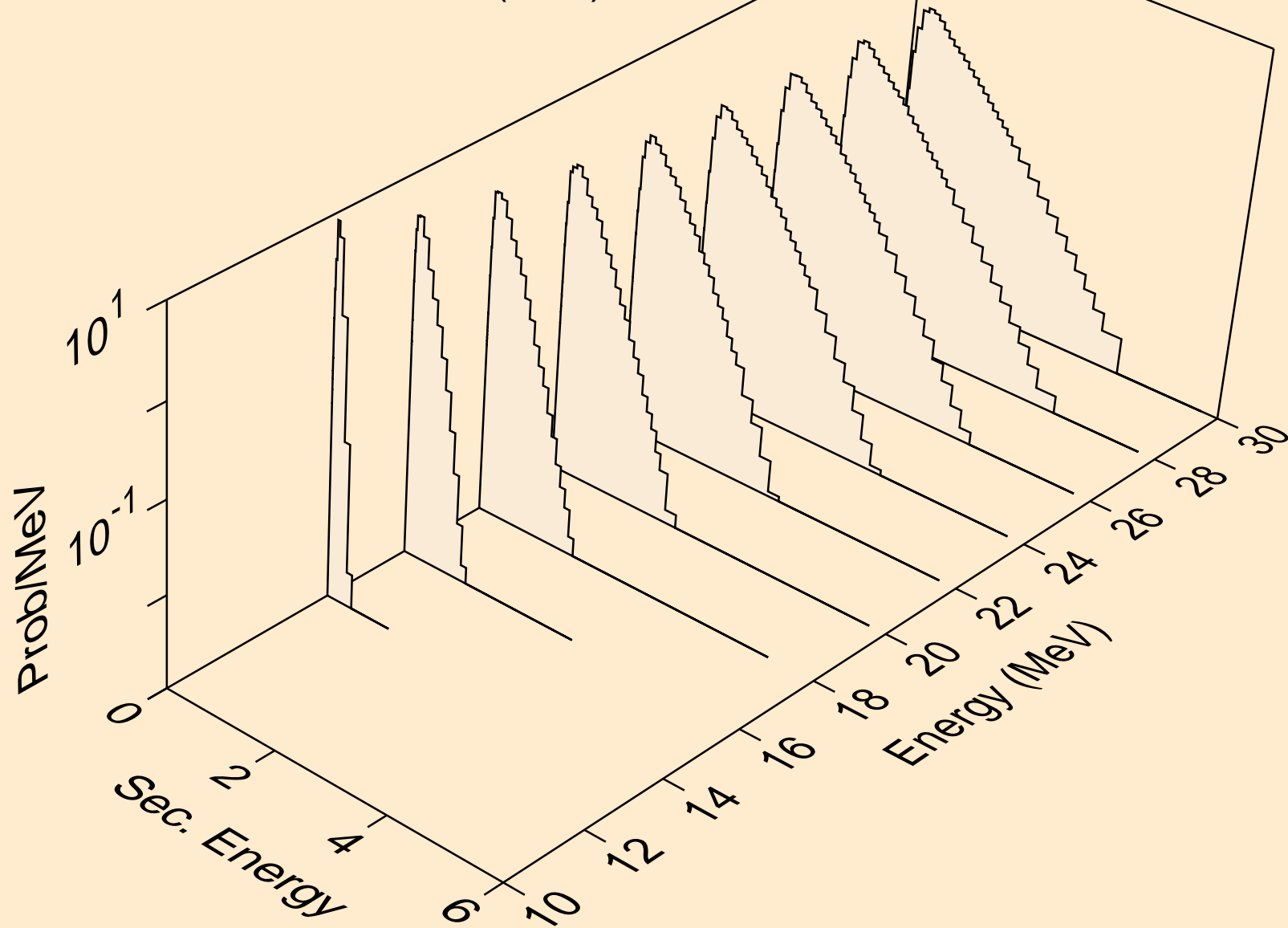




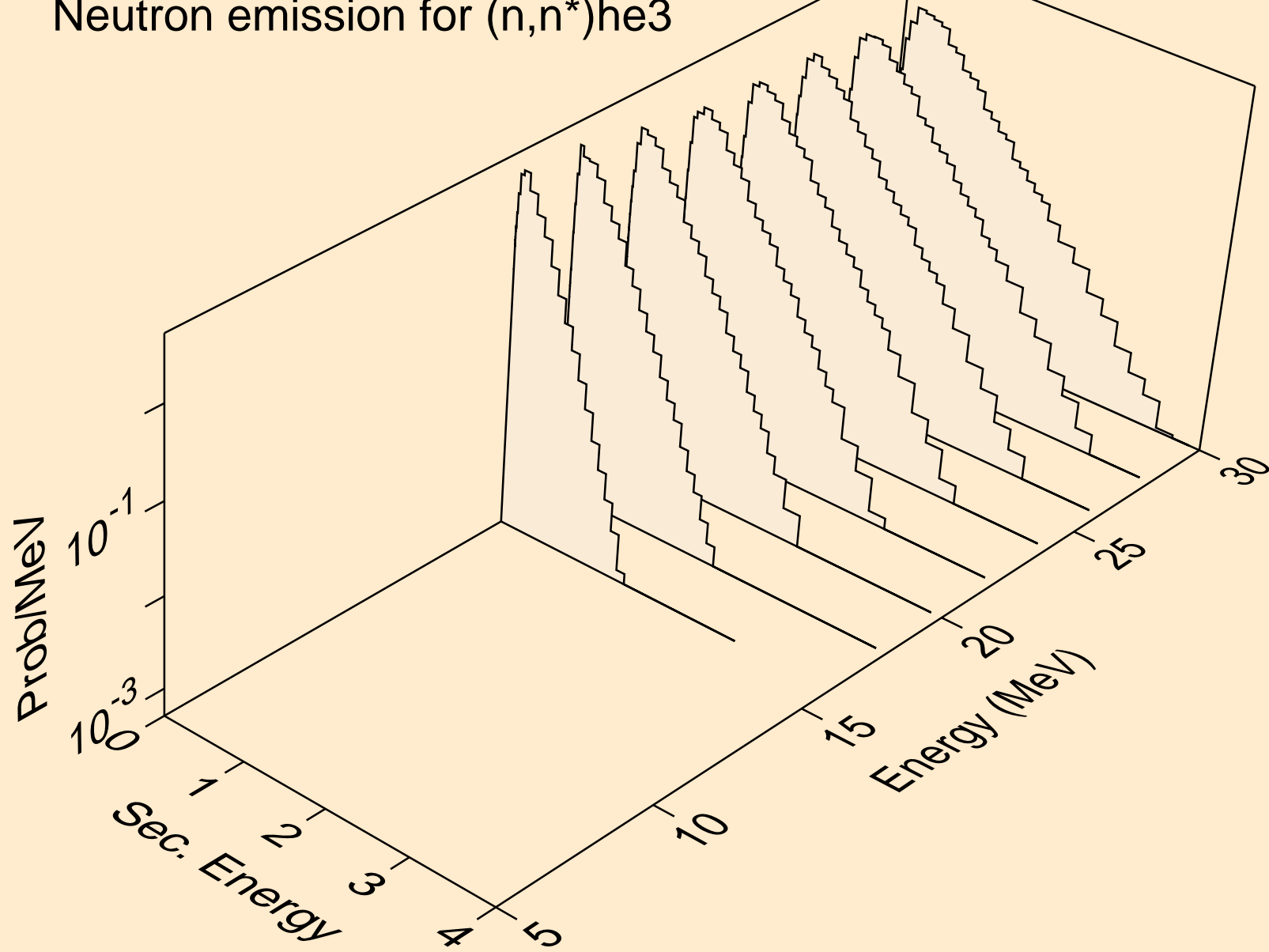
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Neutron emission for (n,n\*)d



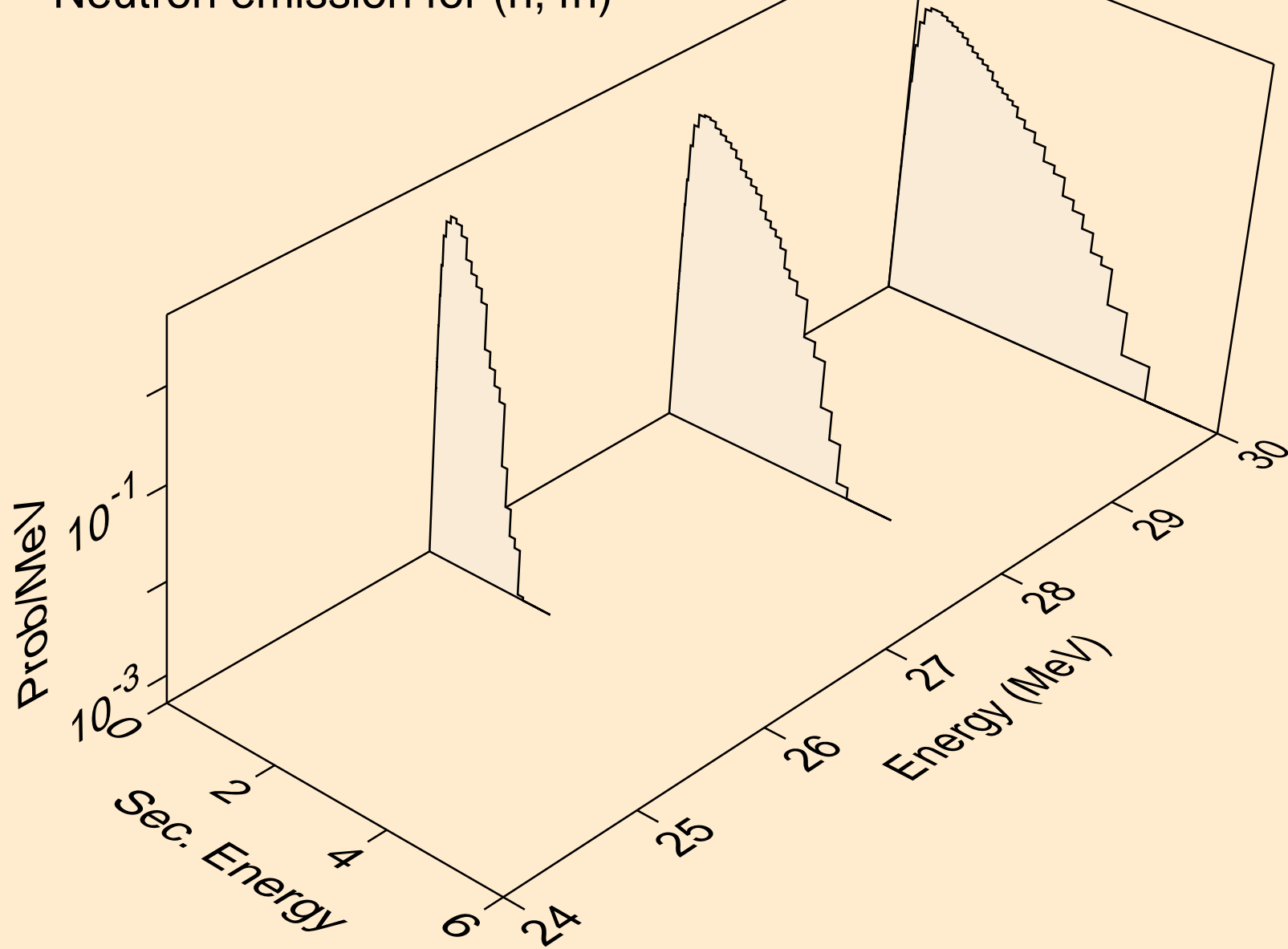
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Neutron emission for (n,n\*)t



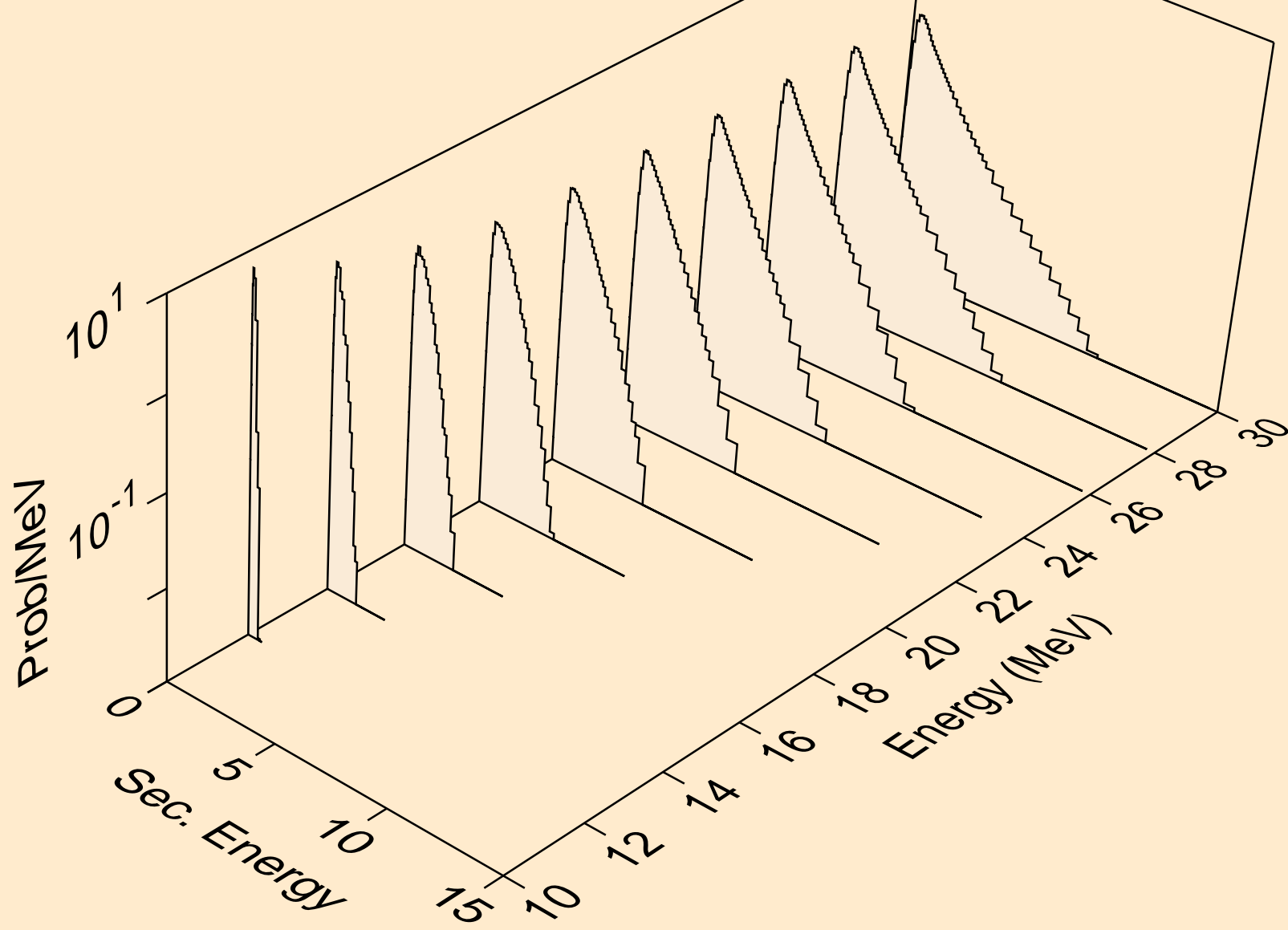
IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)he3



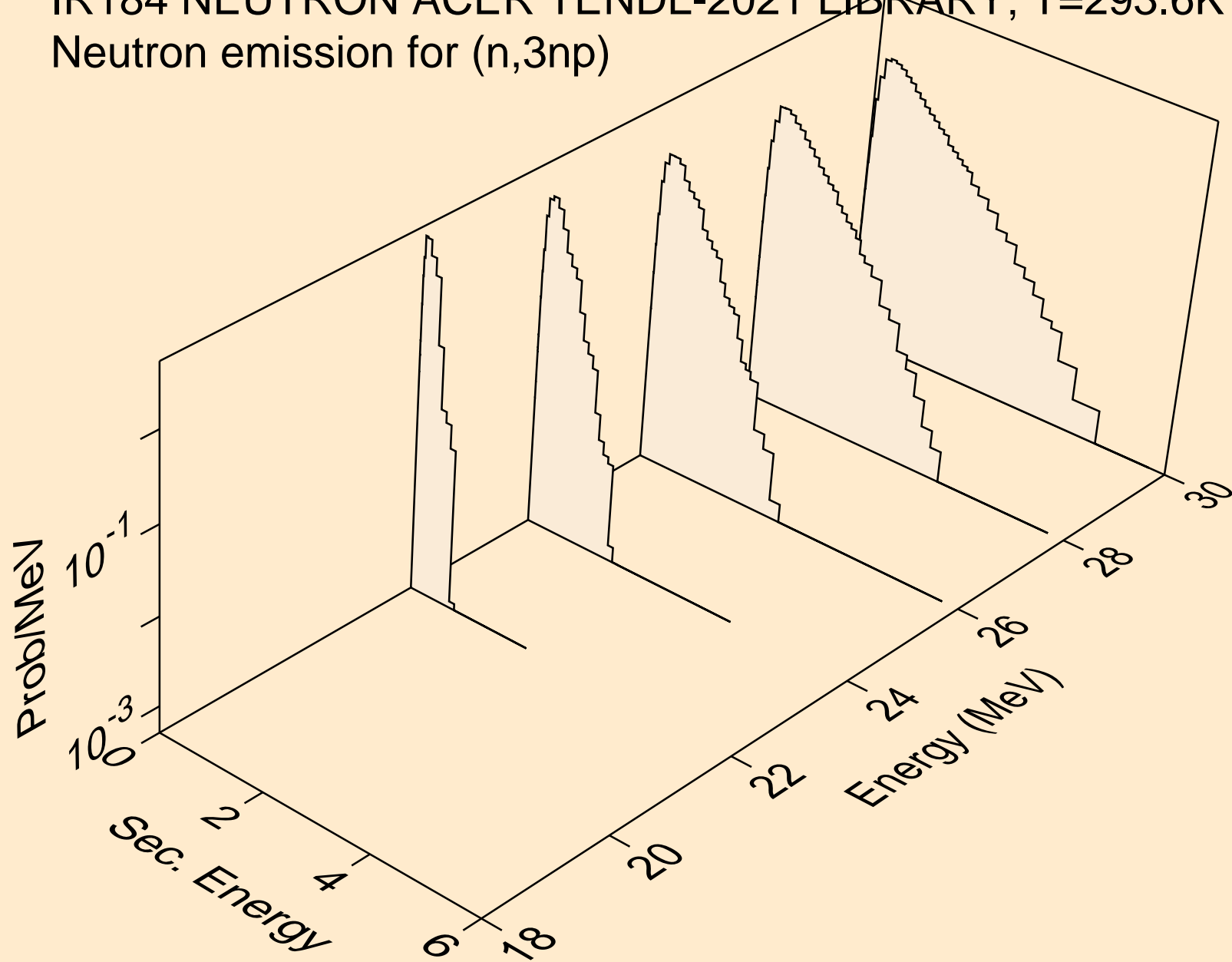
IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,4n)



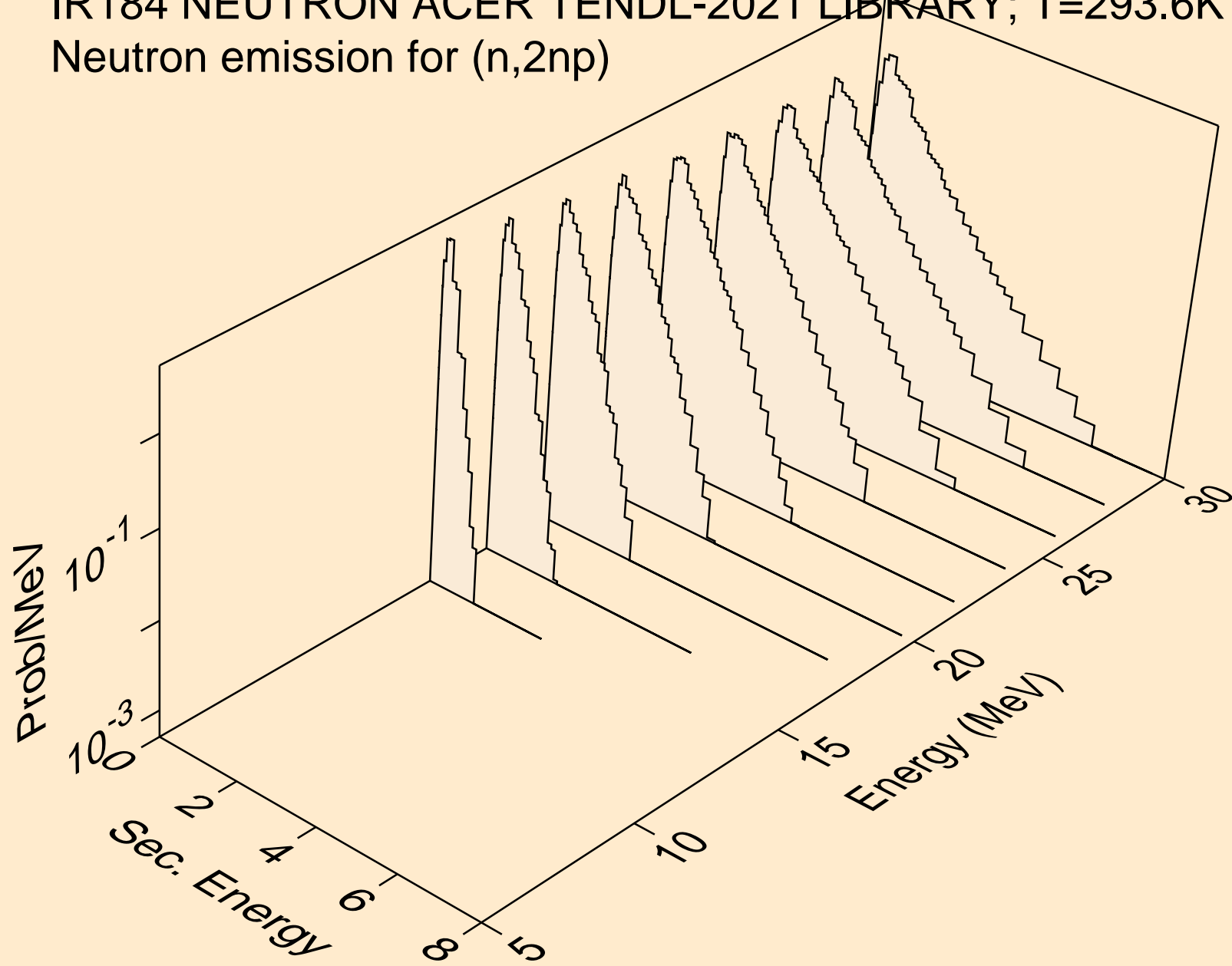
IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2np)



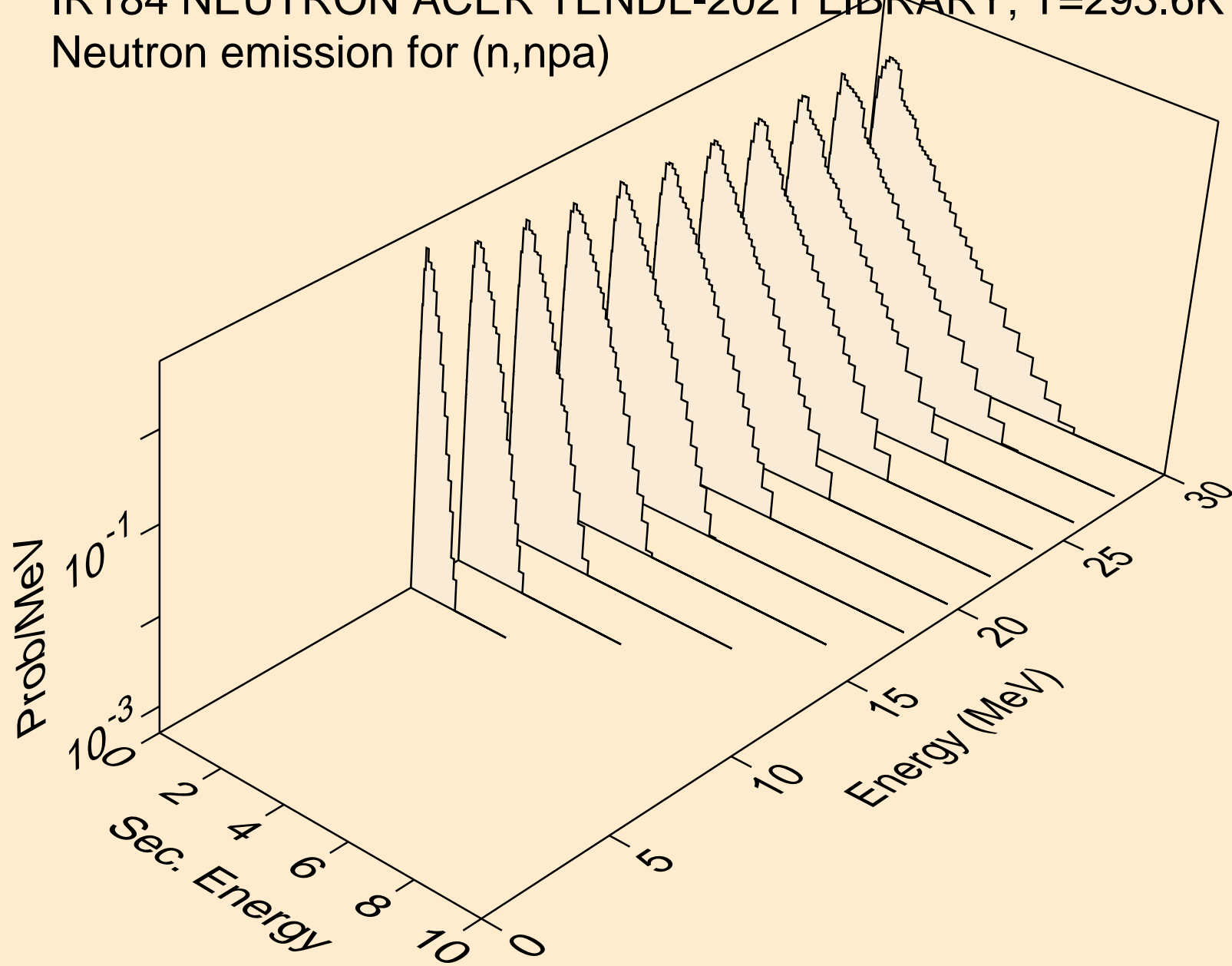
IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3np)



IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2np)

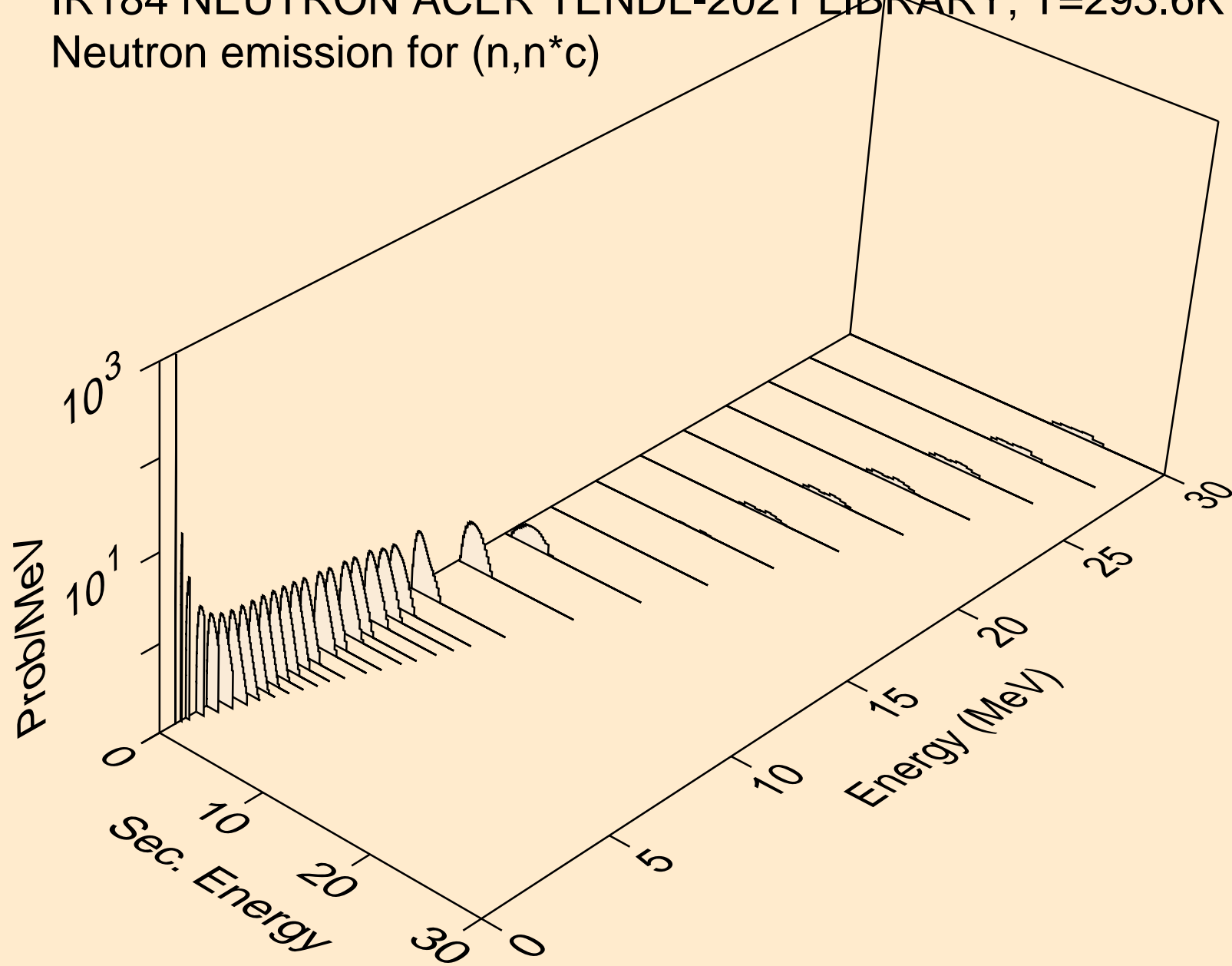


IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,npa)

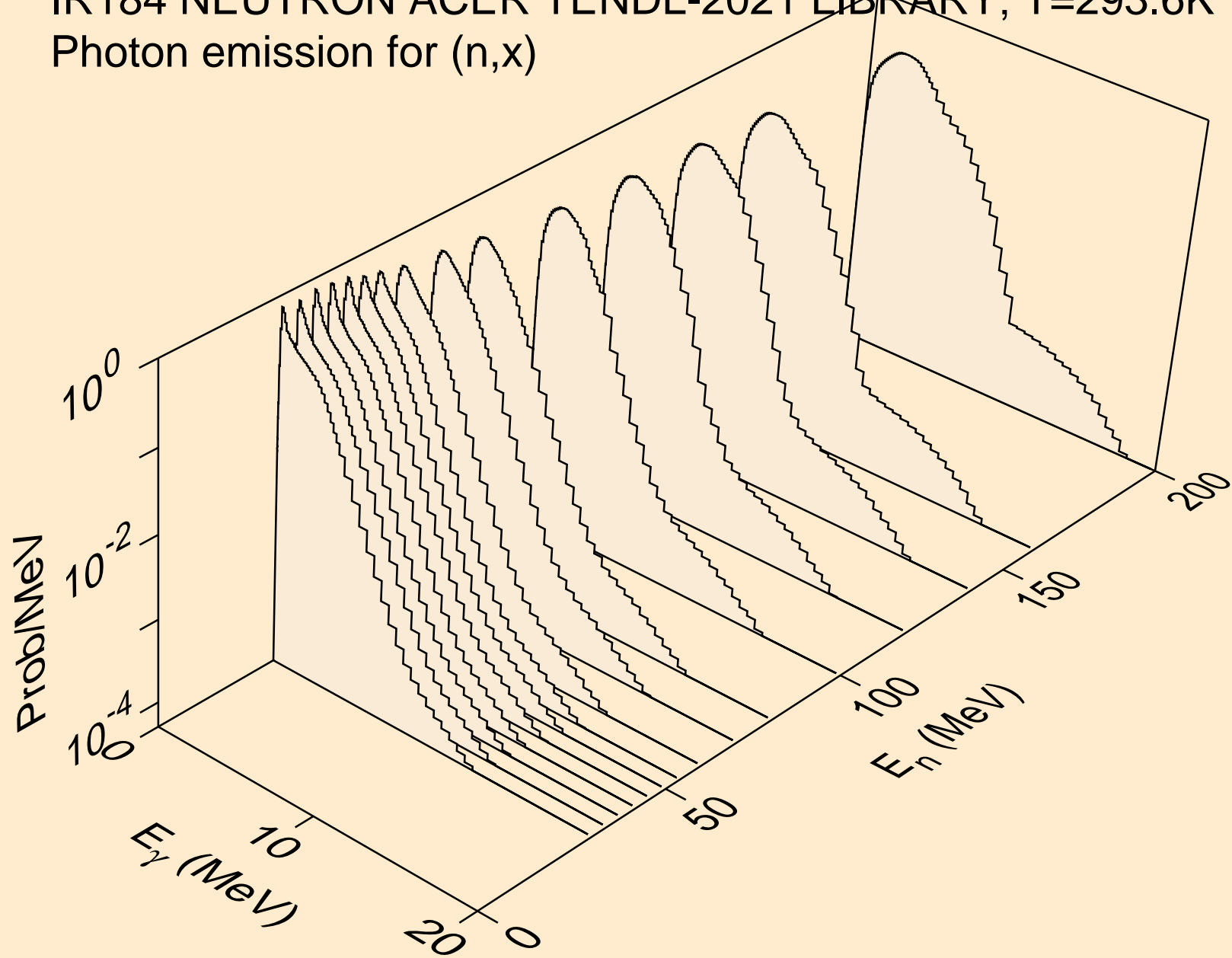




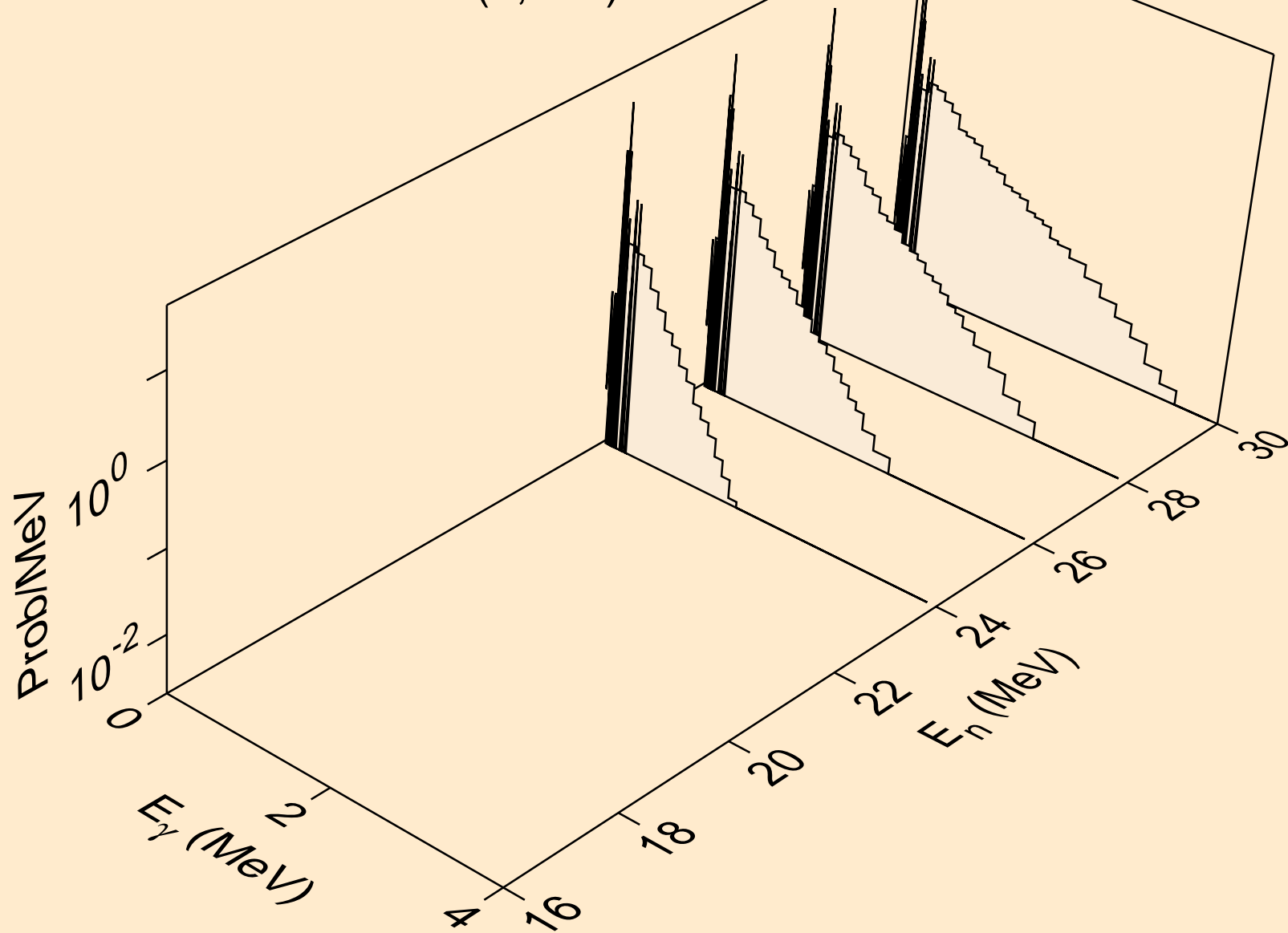
IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*c)



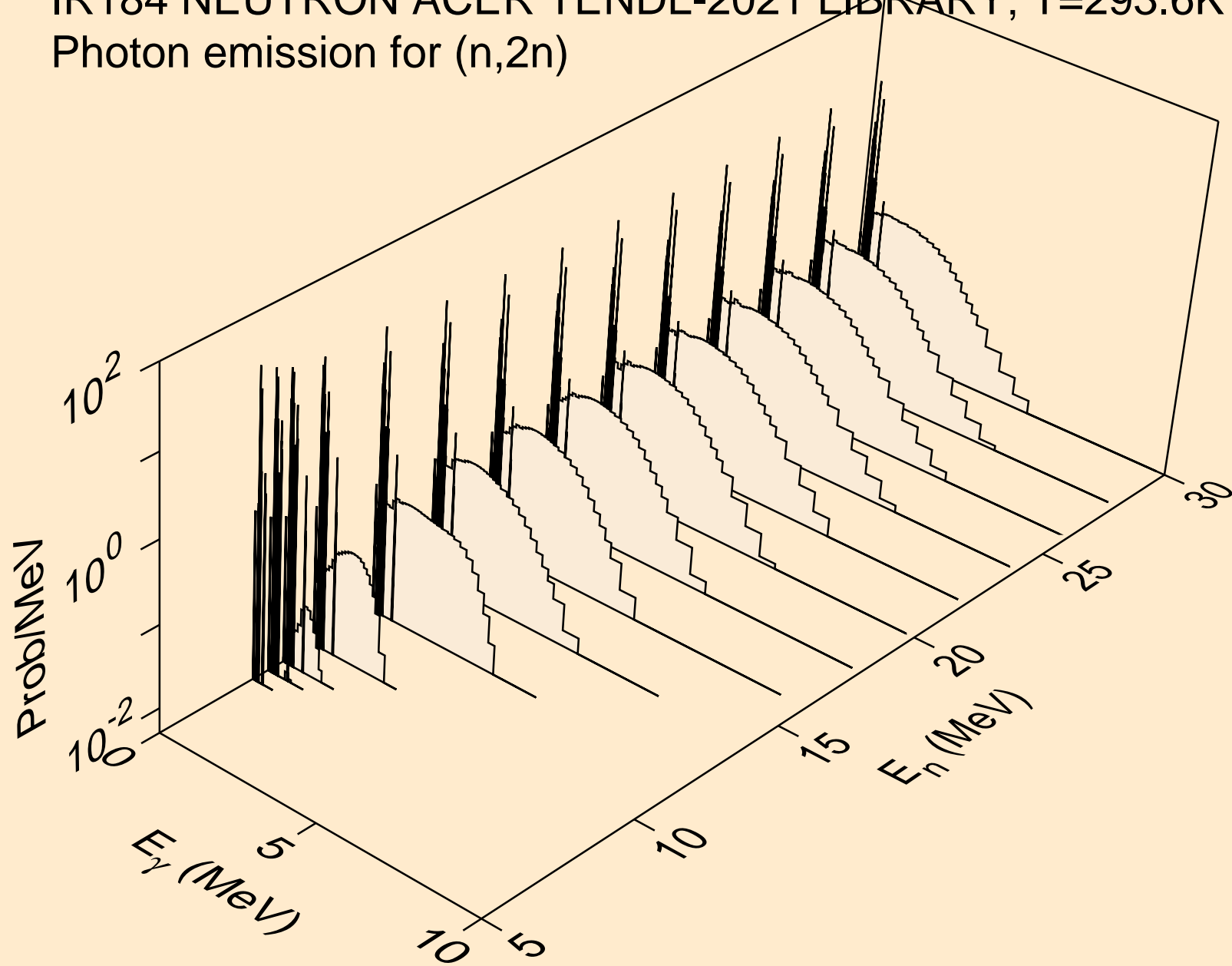
IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,x)



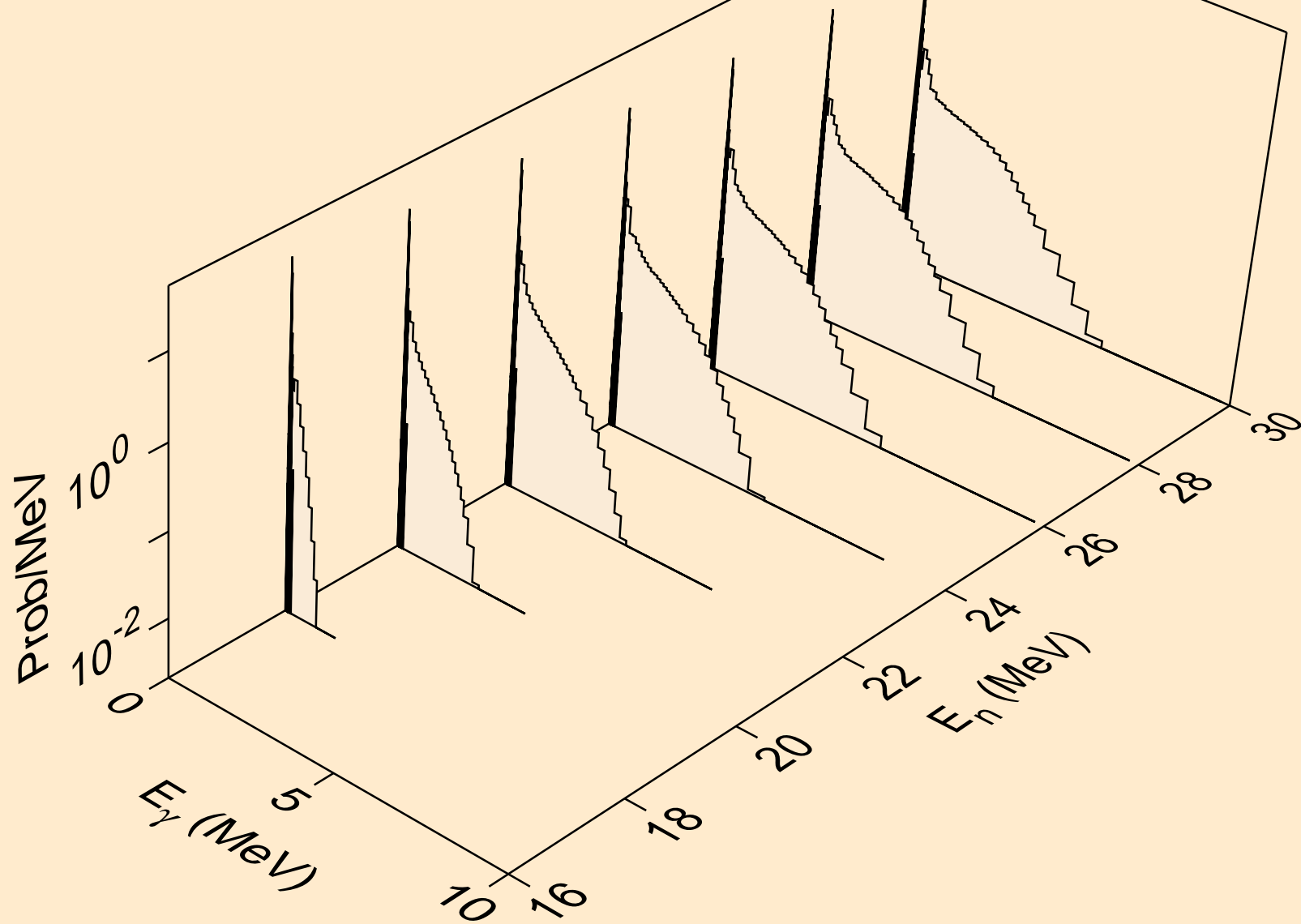
IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2nd)



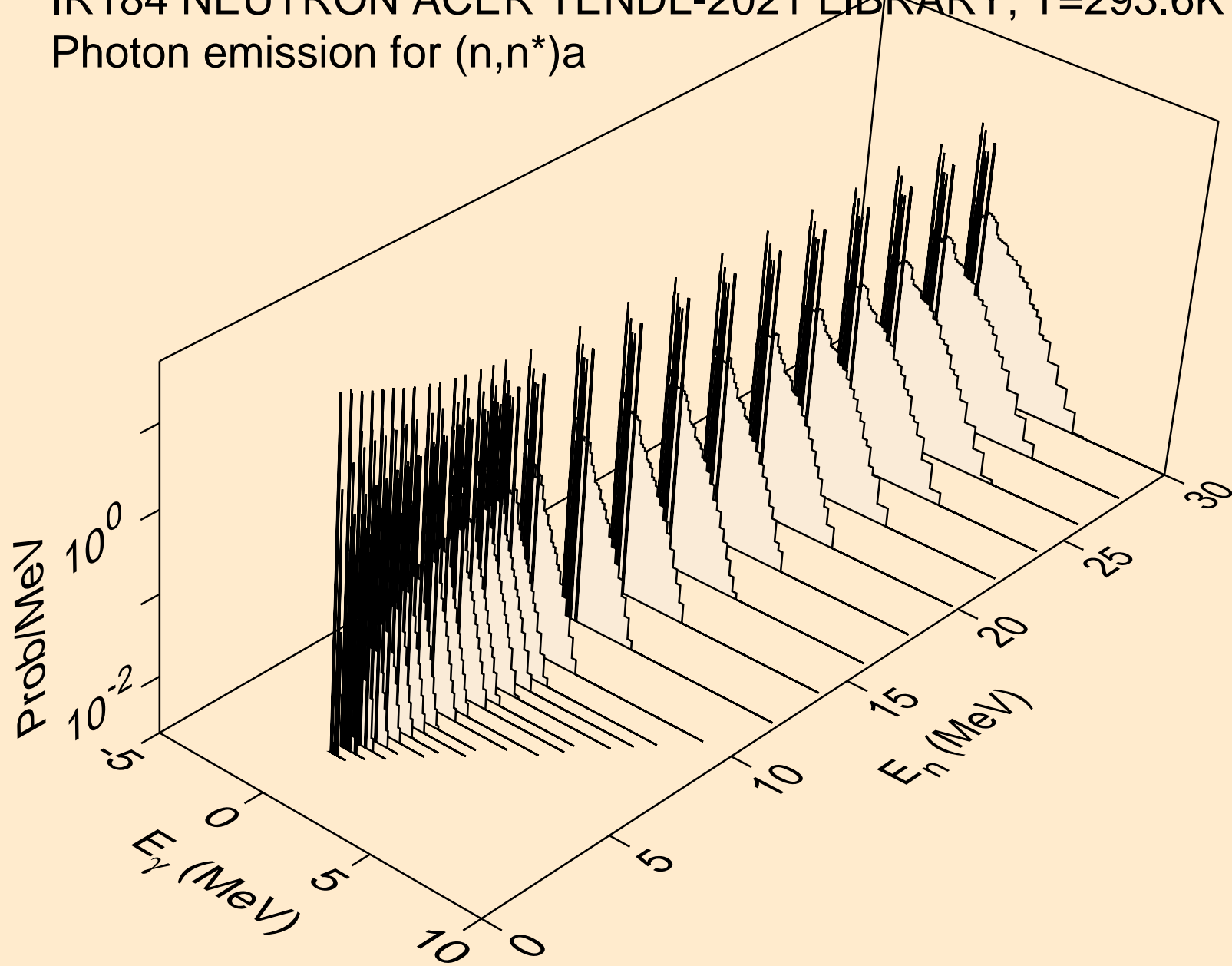
IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2n)



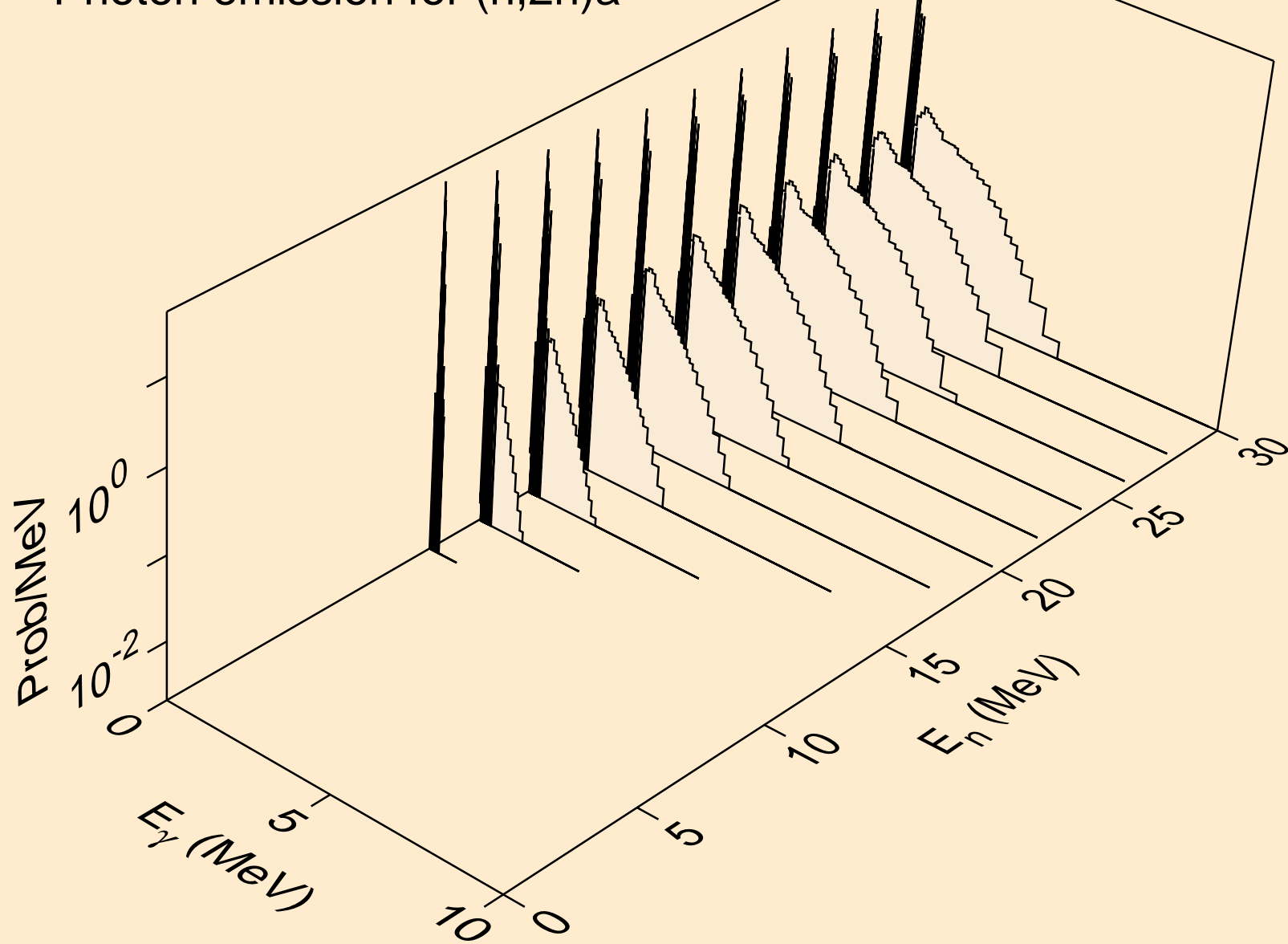
IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3n)



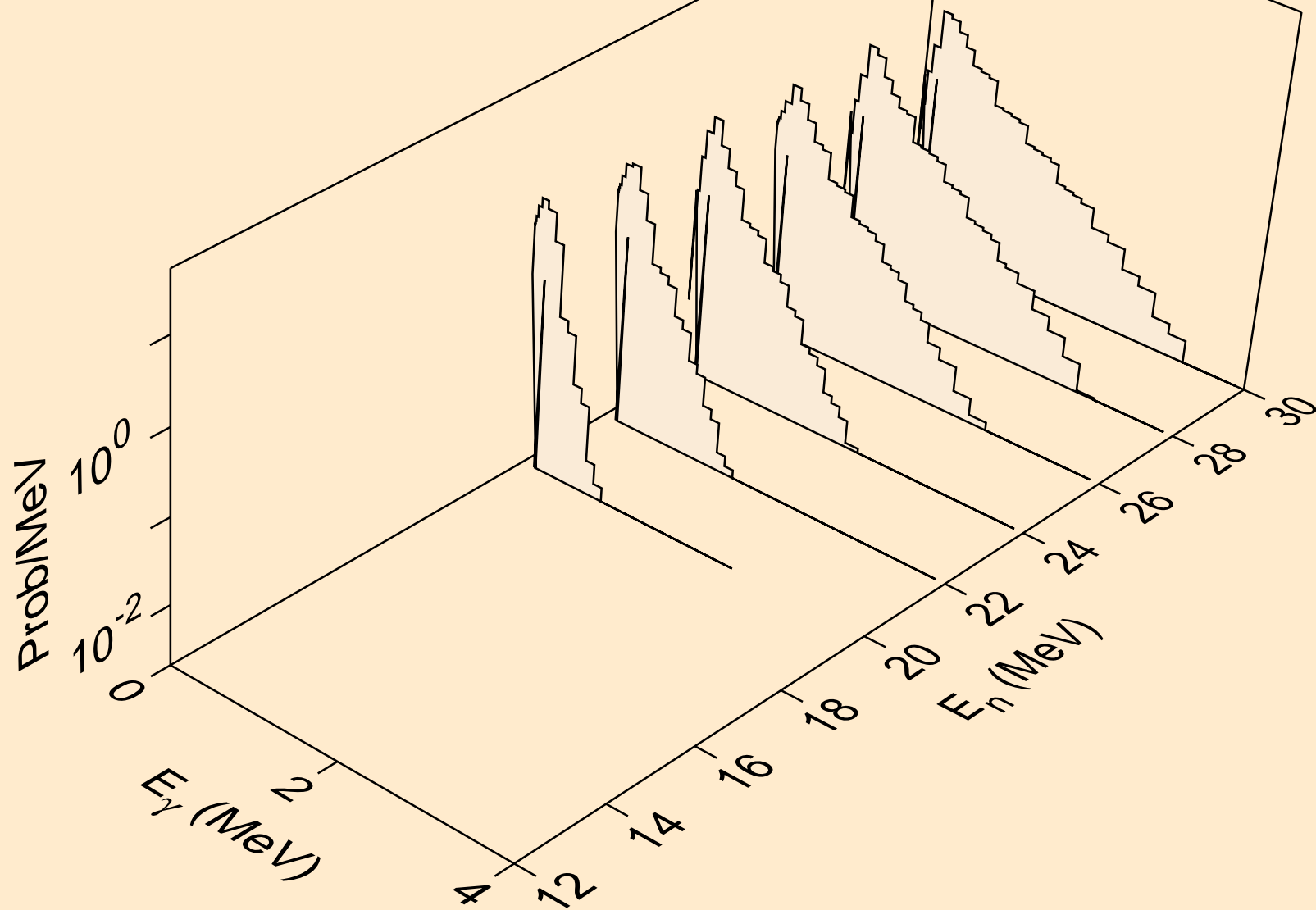
IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)a



IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2n)a

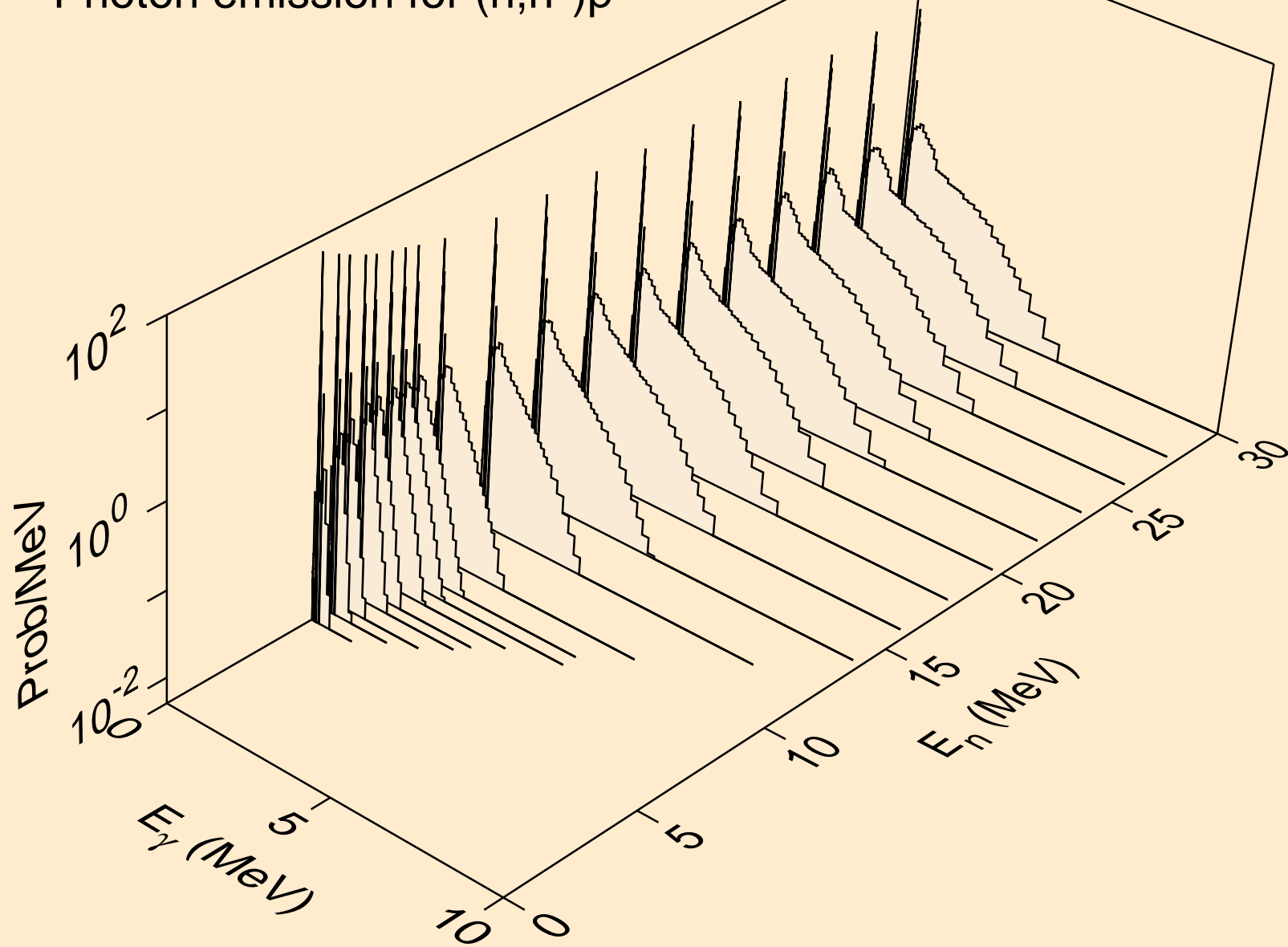


IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3n)a

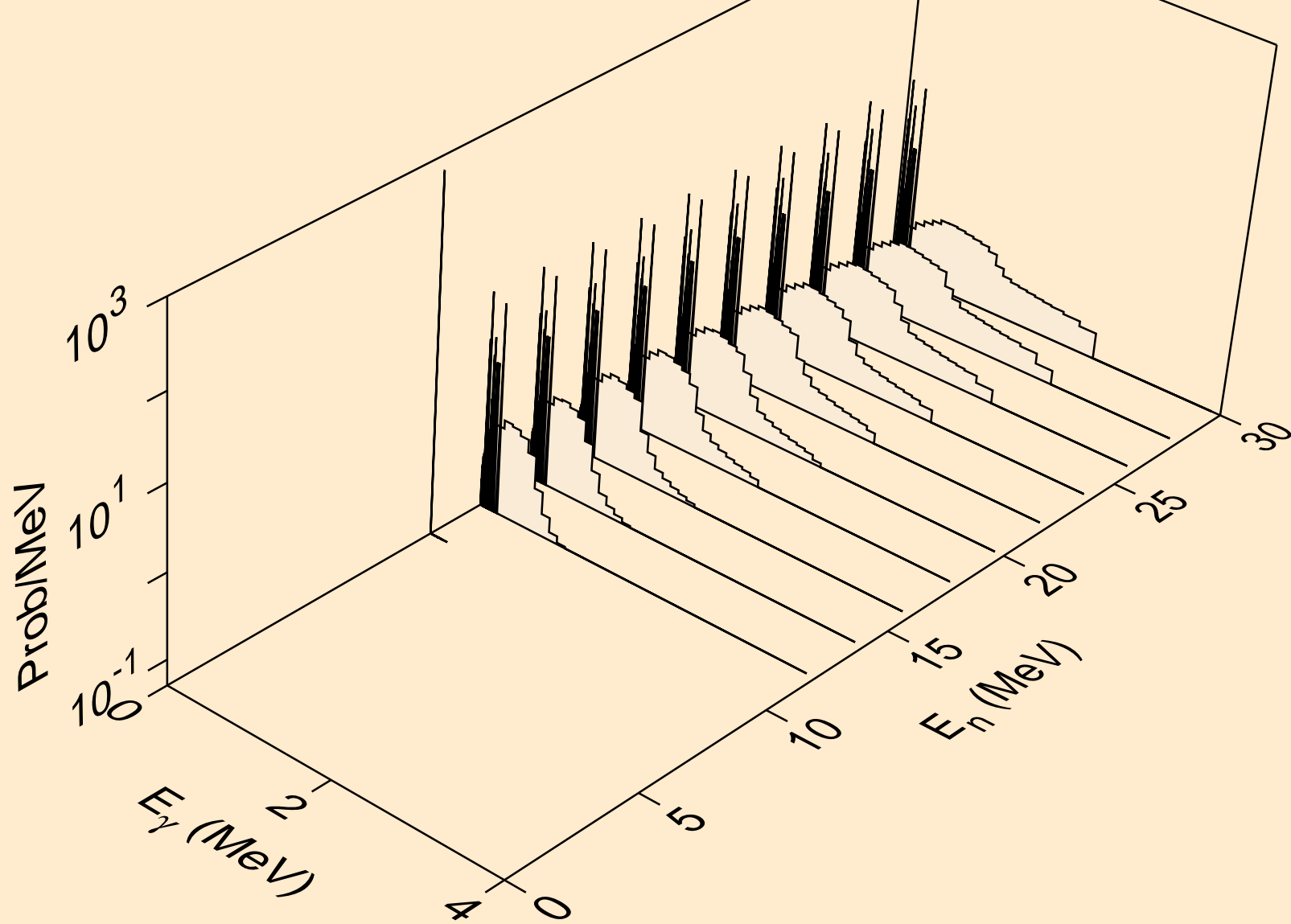




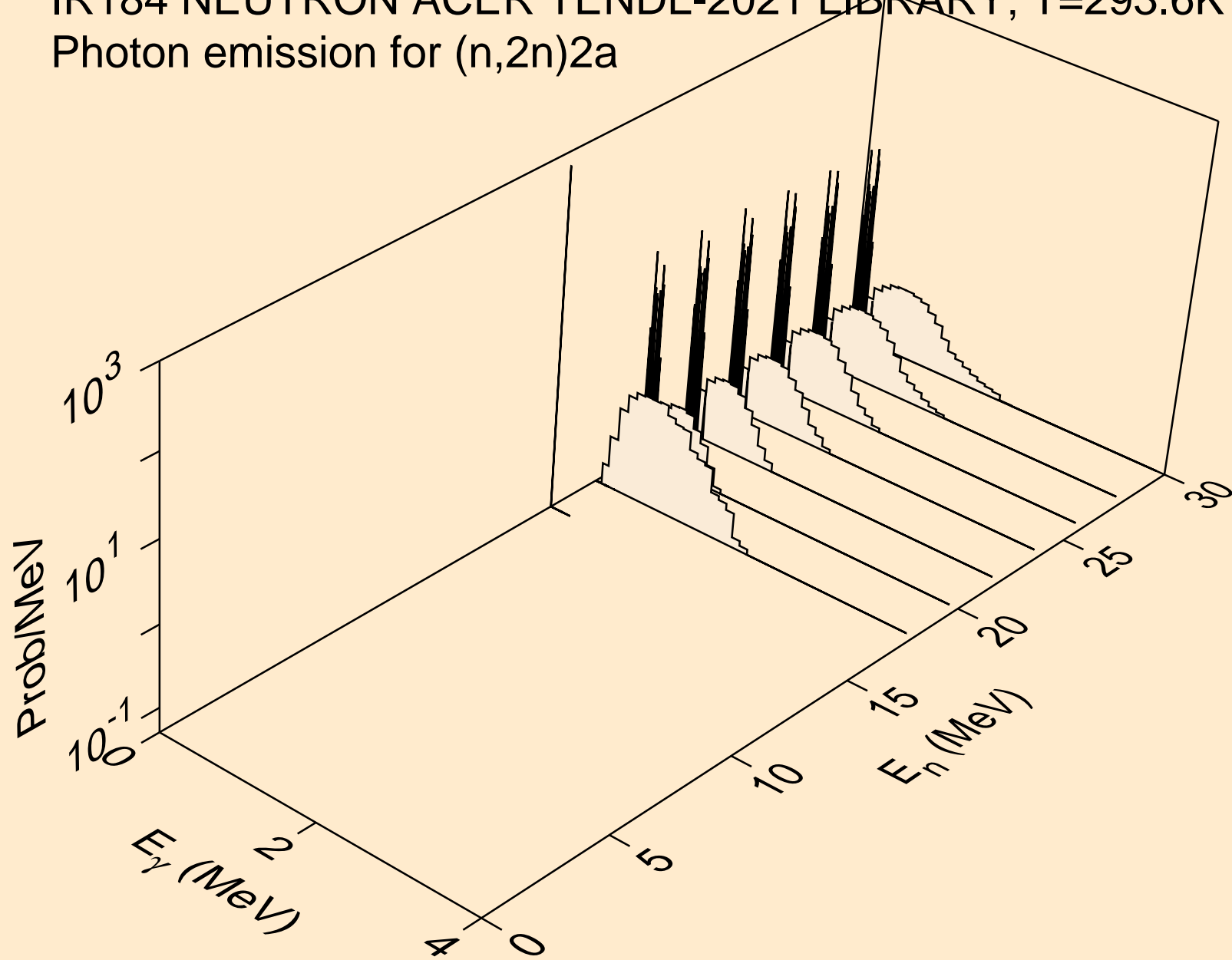
IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)p



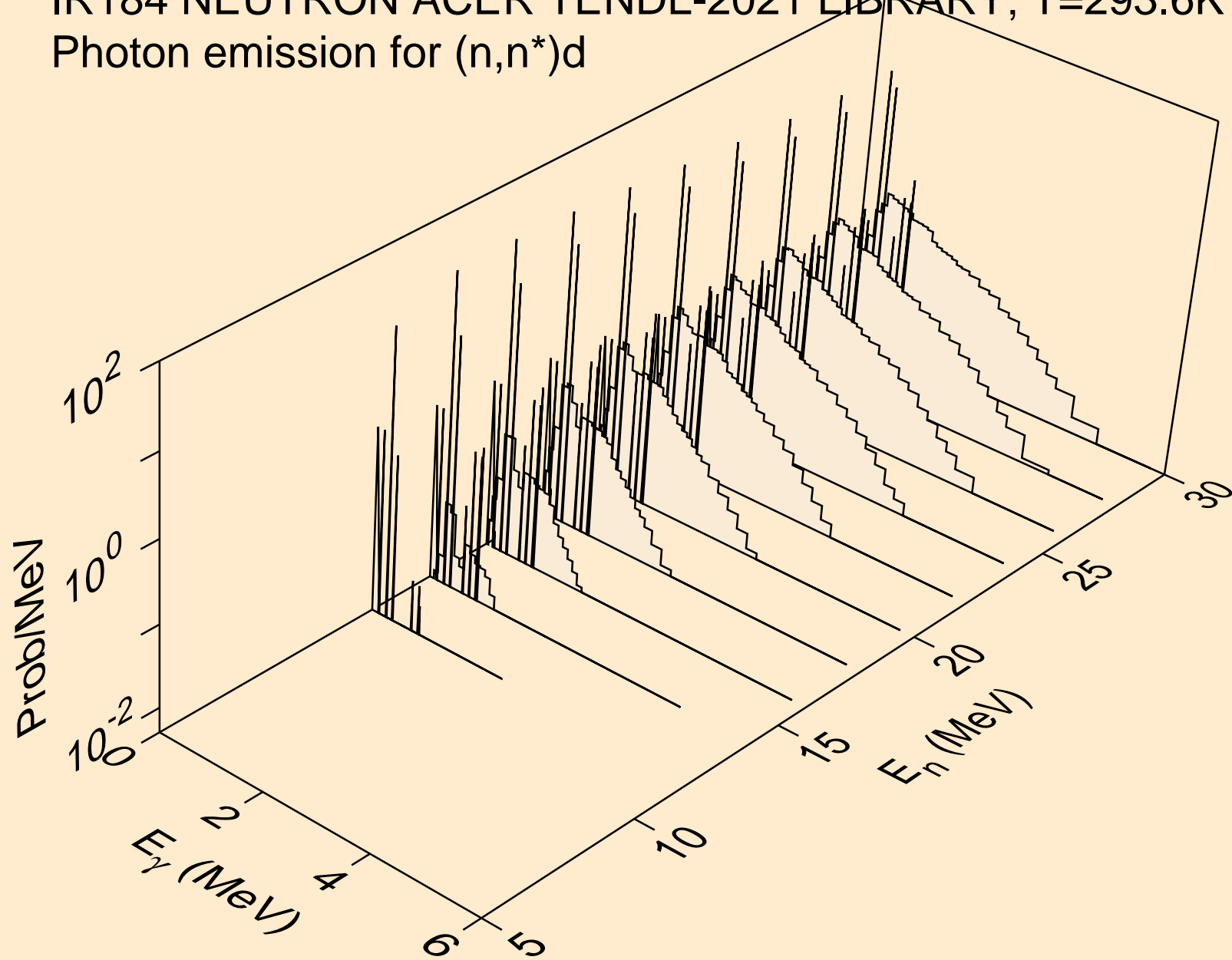
IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)2a



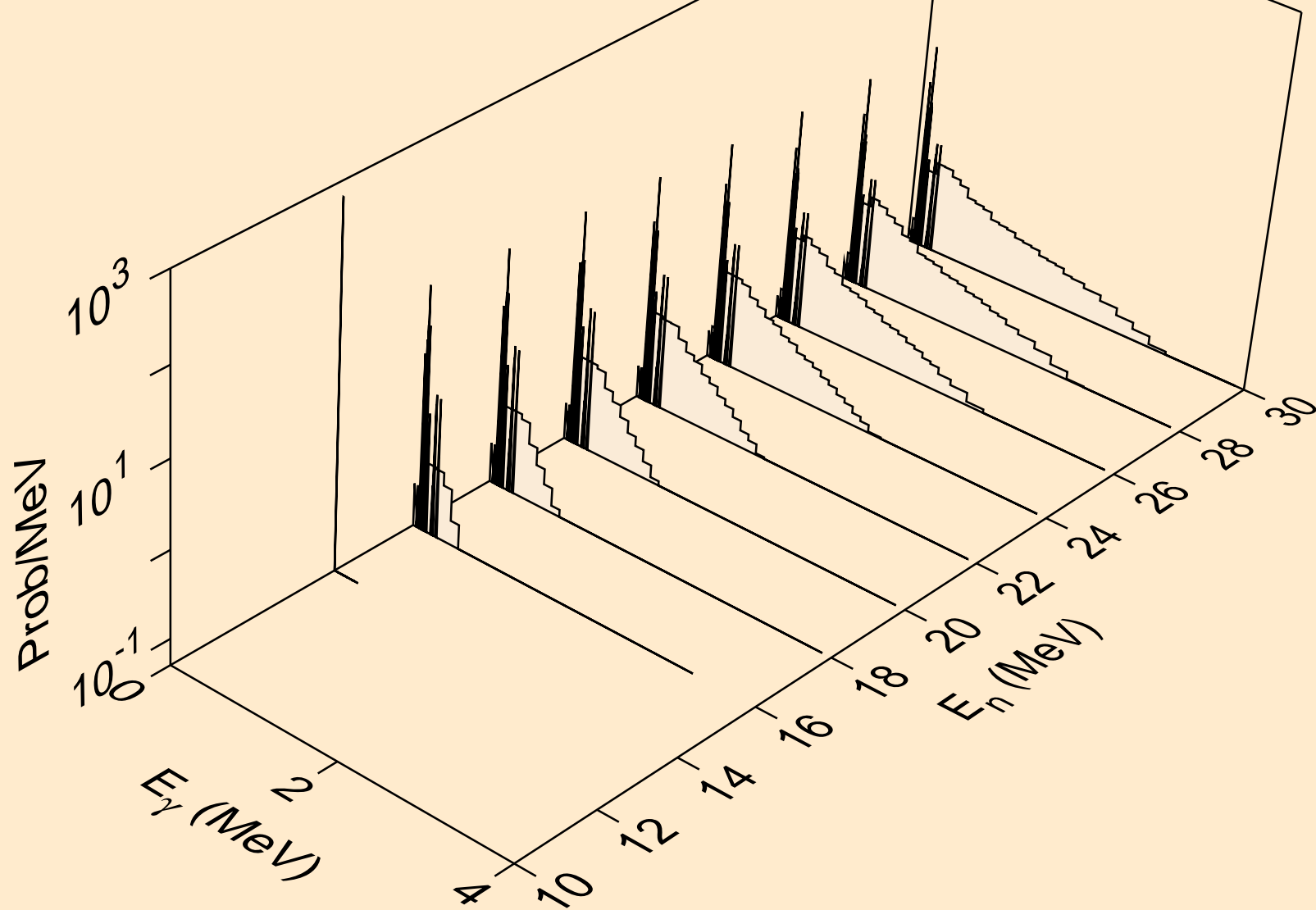
IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2n)2a



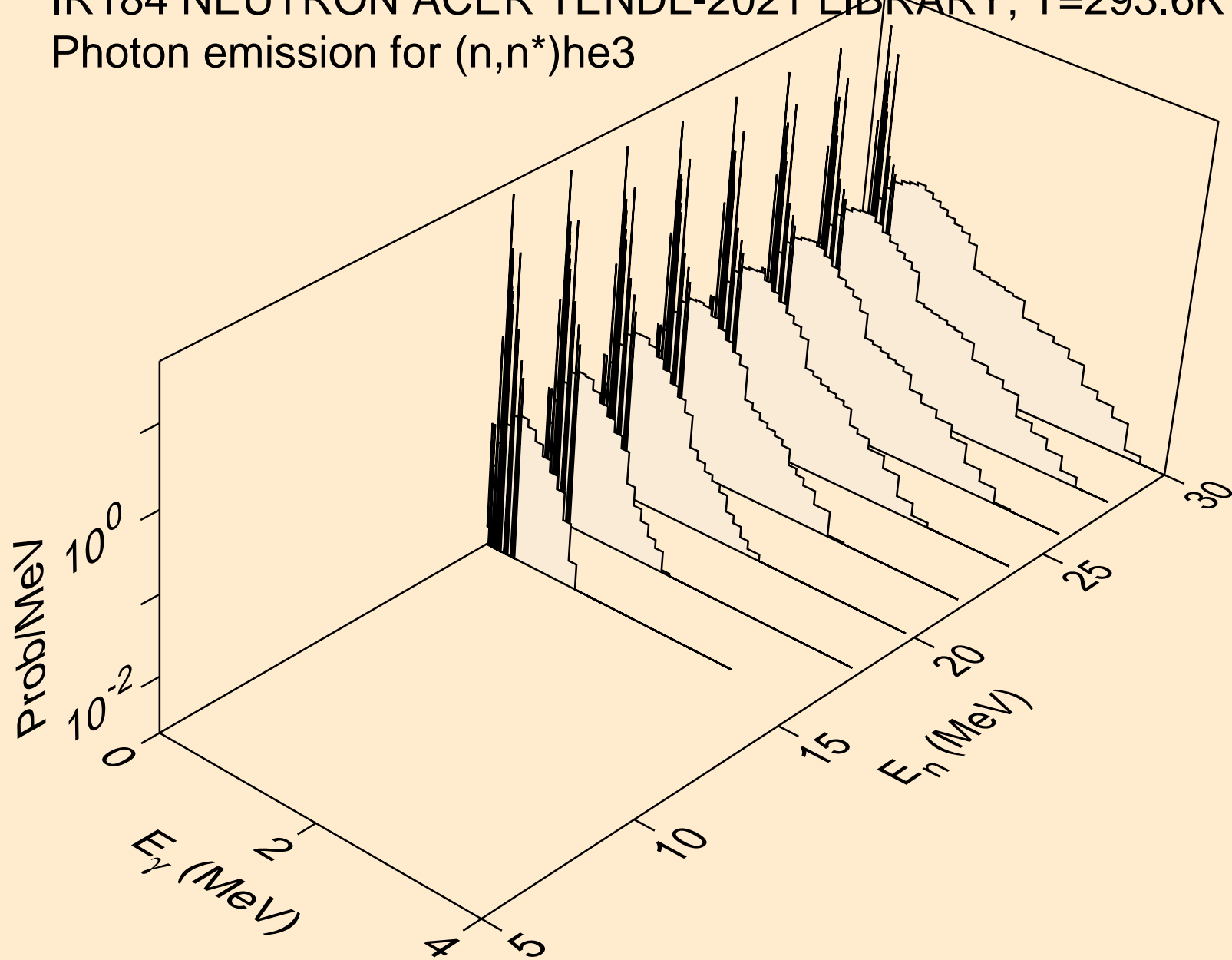
IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)d



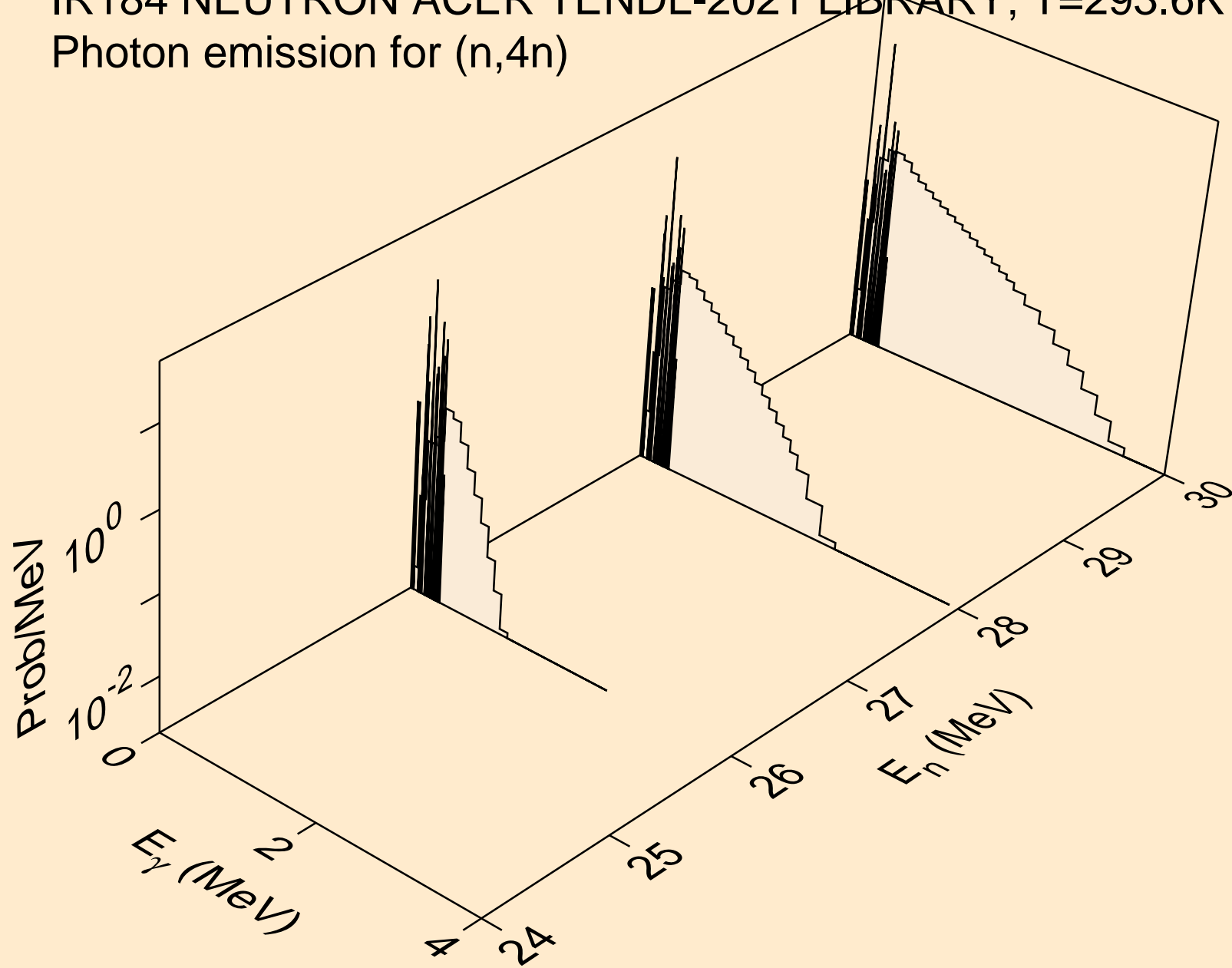
IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)t



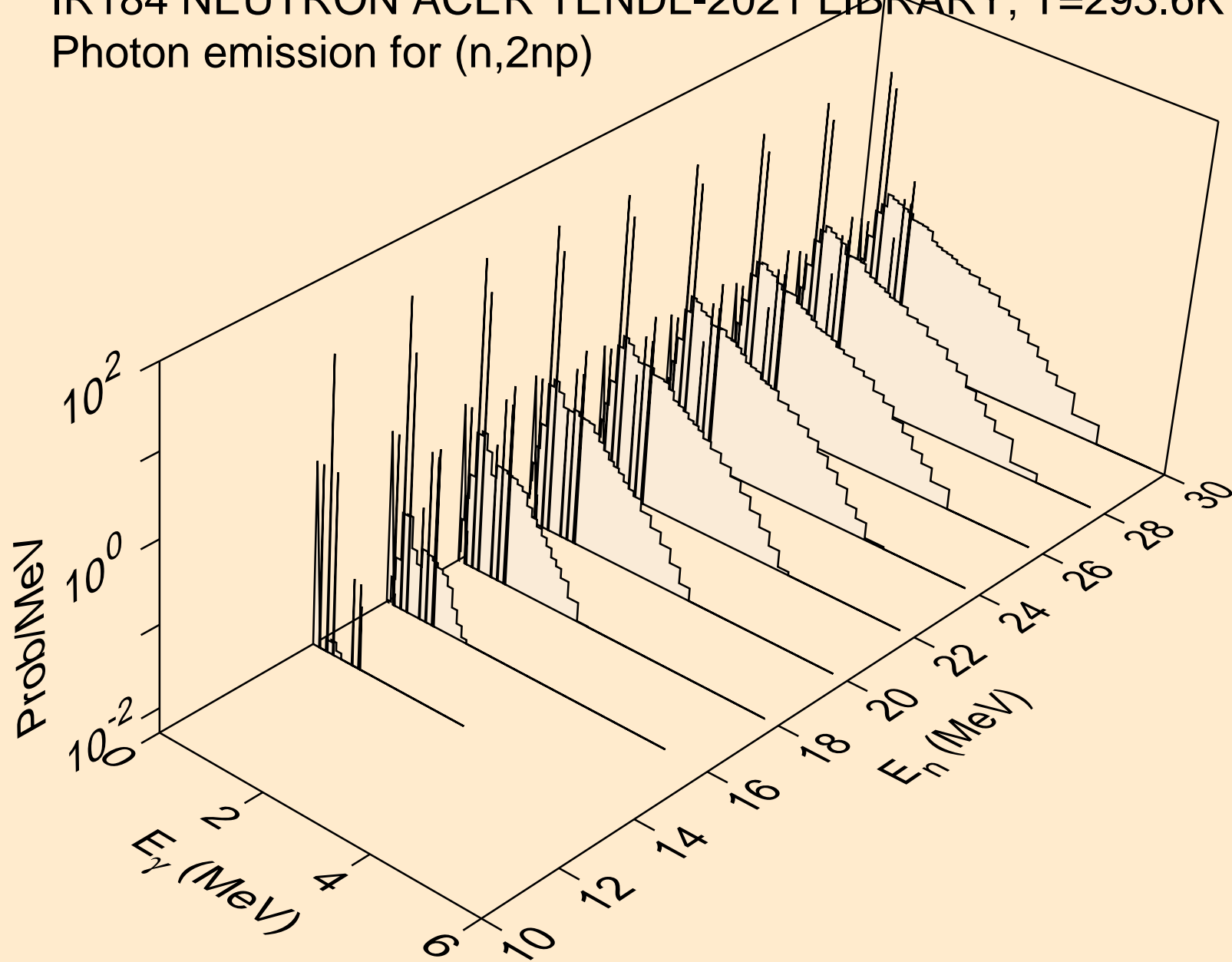
IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)he3



IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,4n)

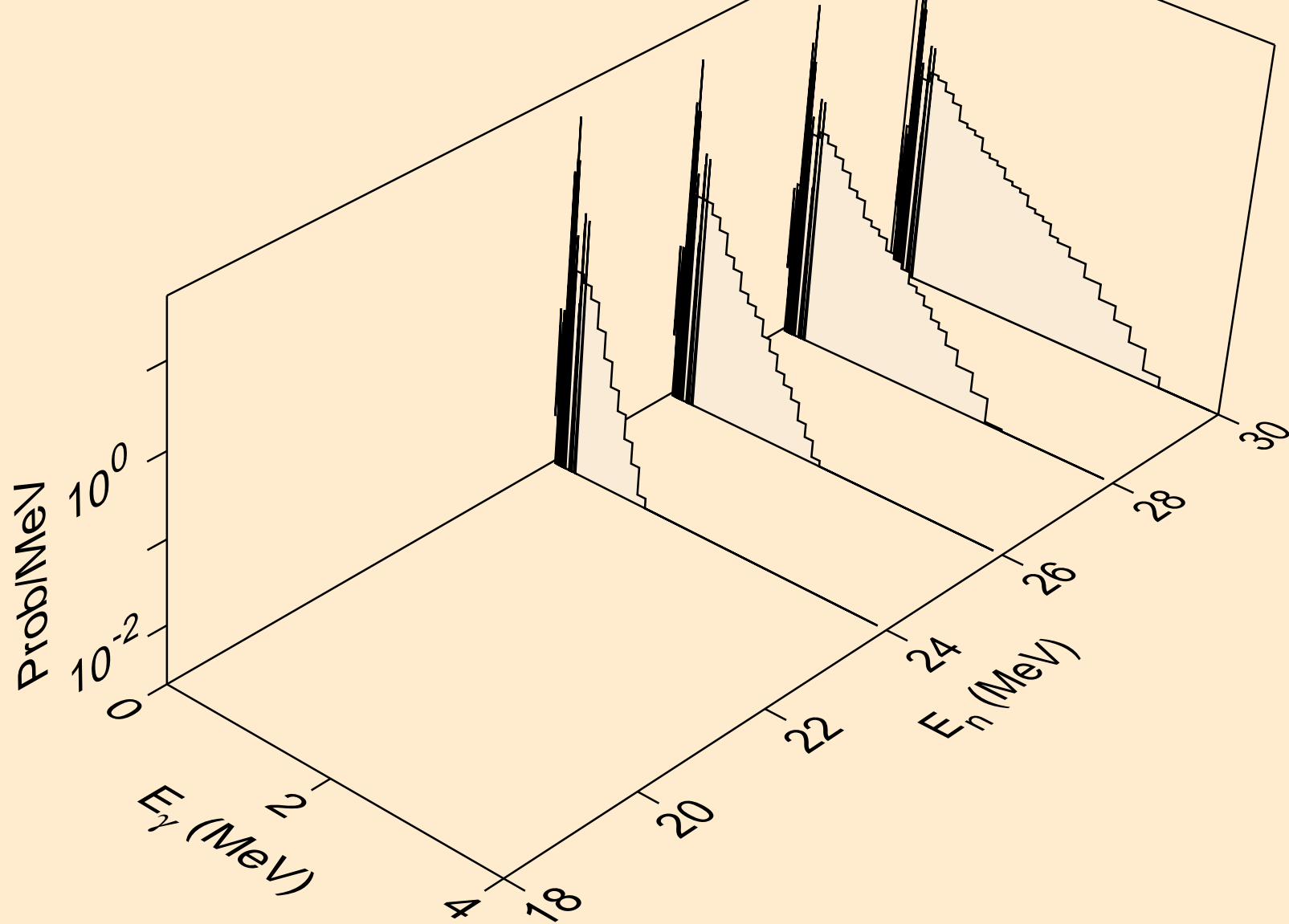


IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2np)

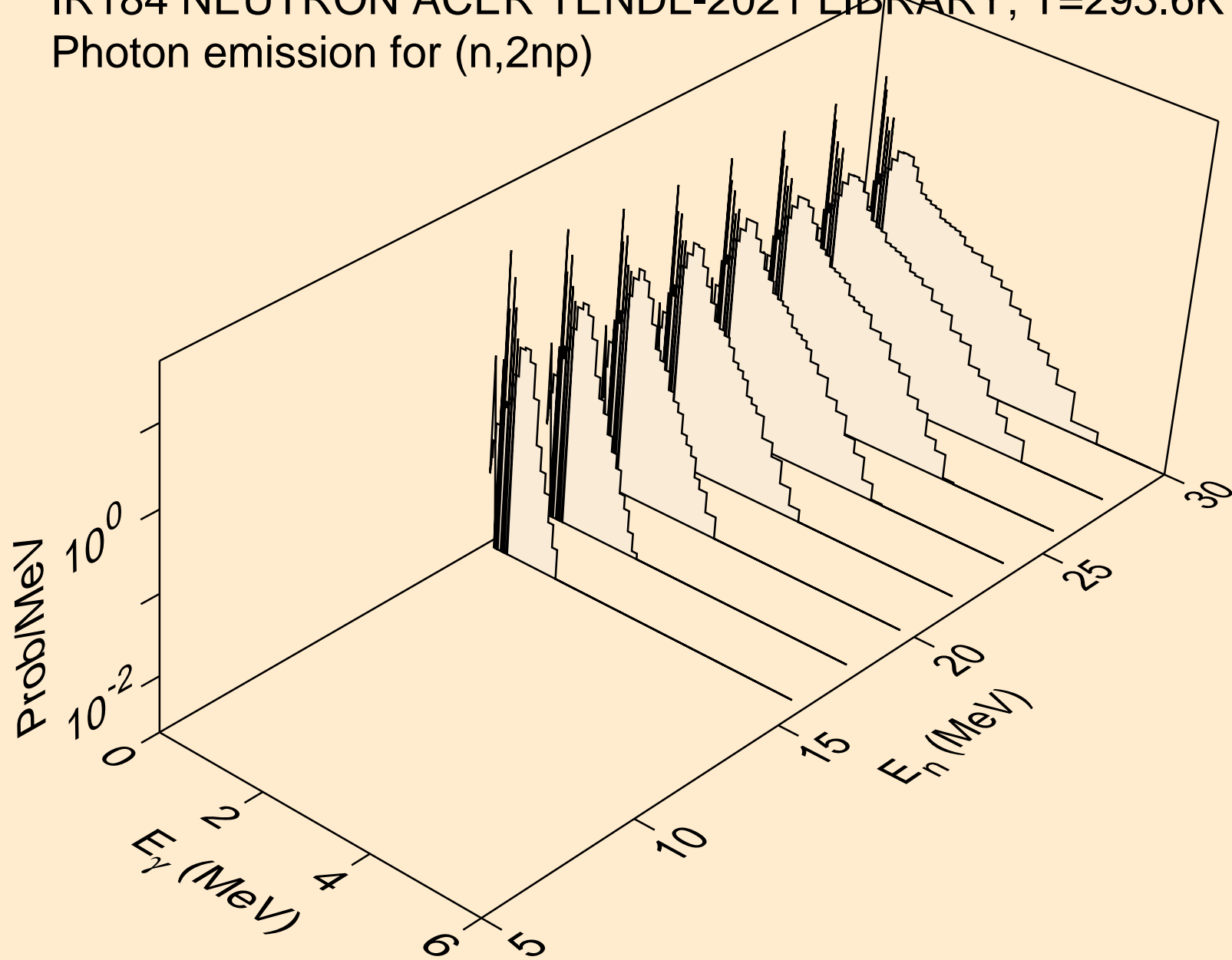




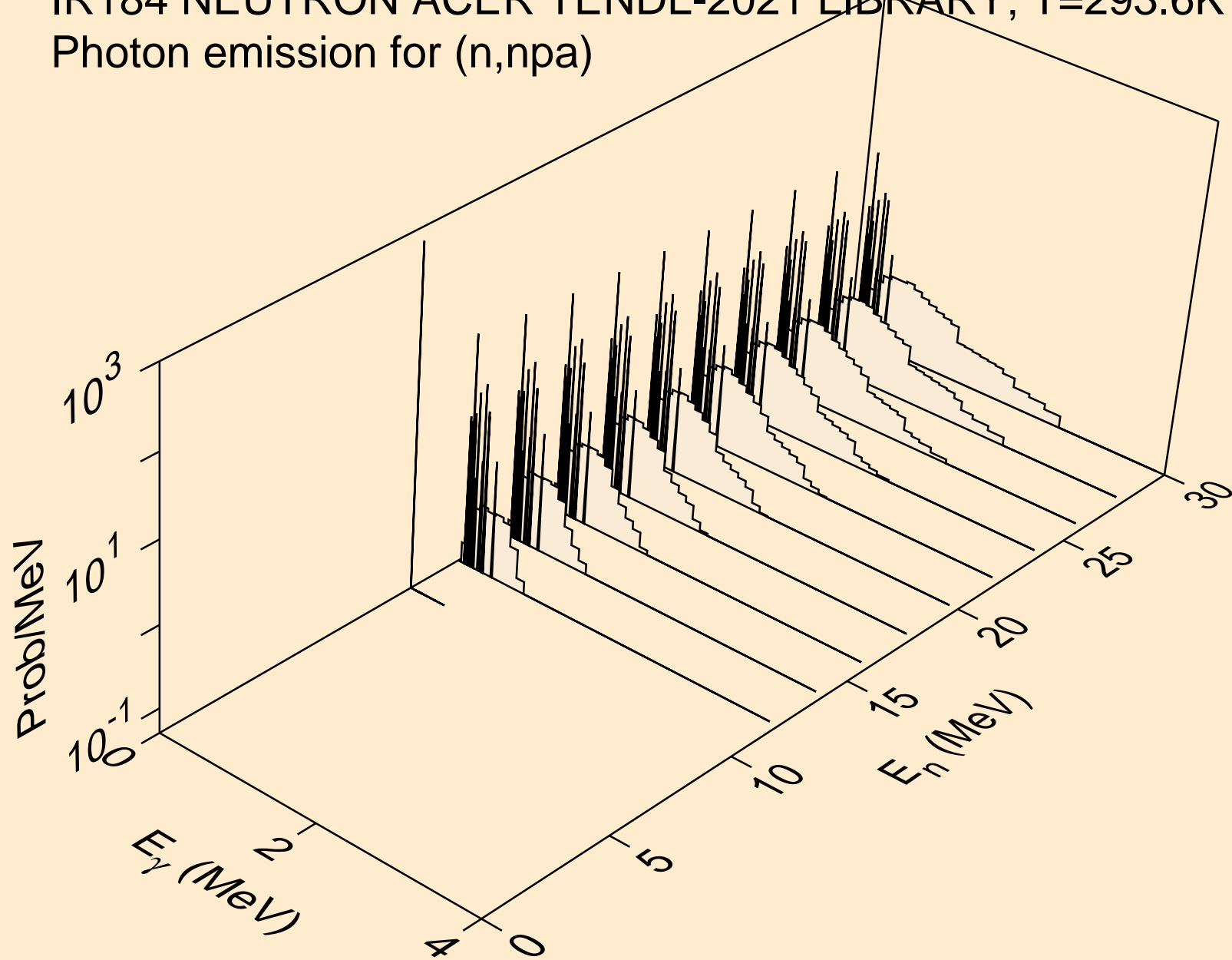
IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3np)



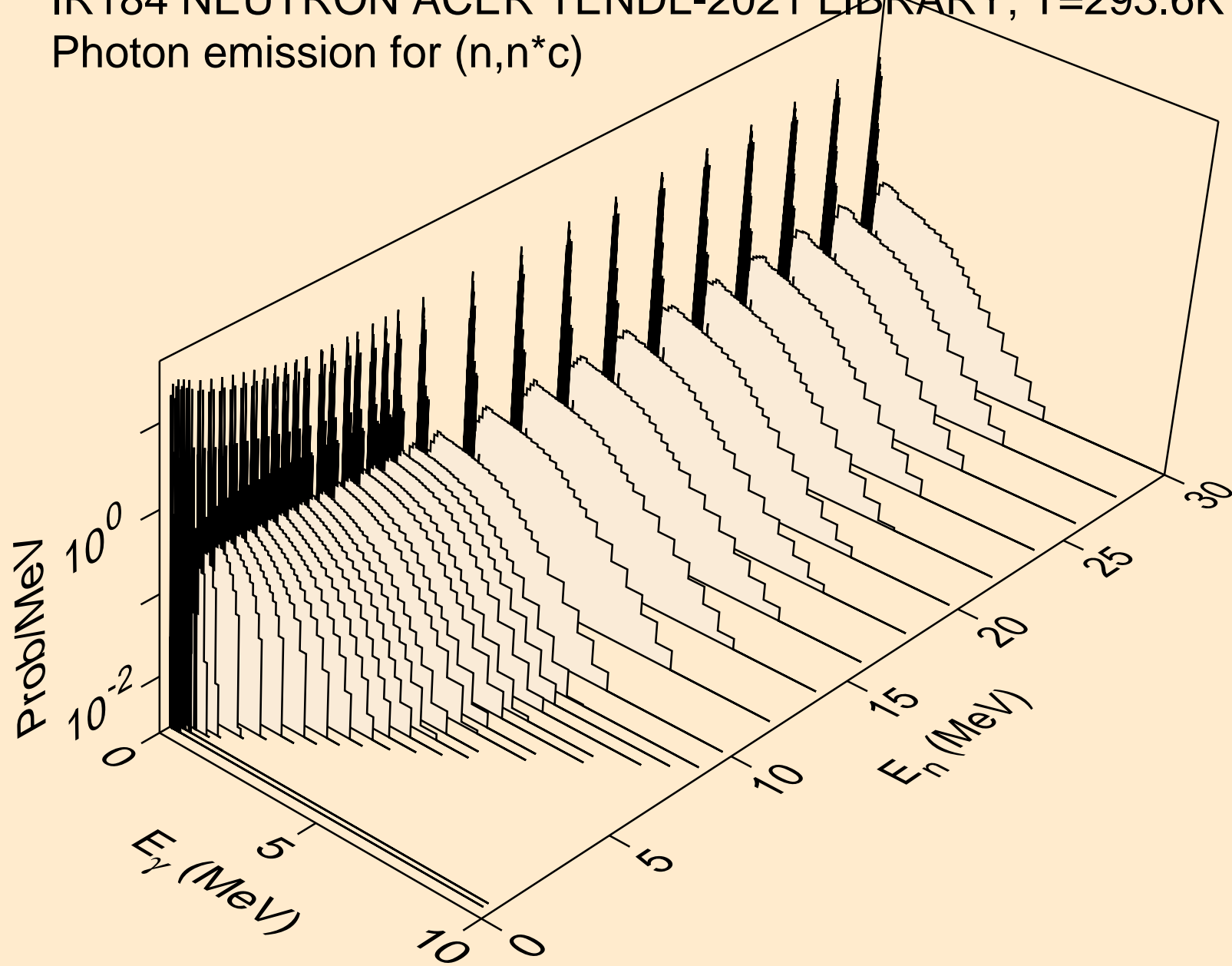
IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2np)



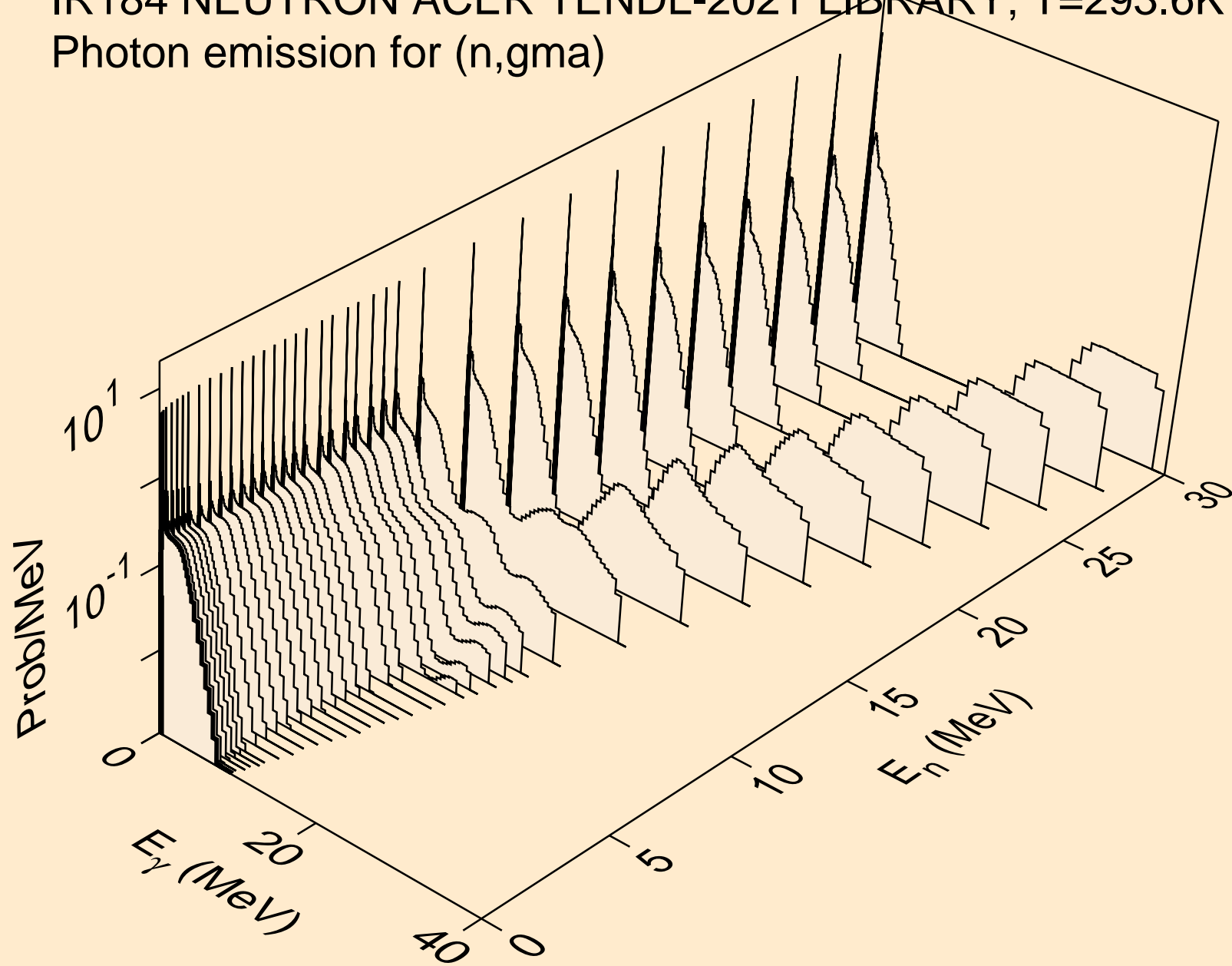
IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,npa)



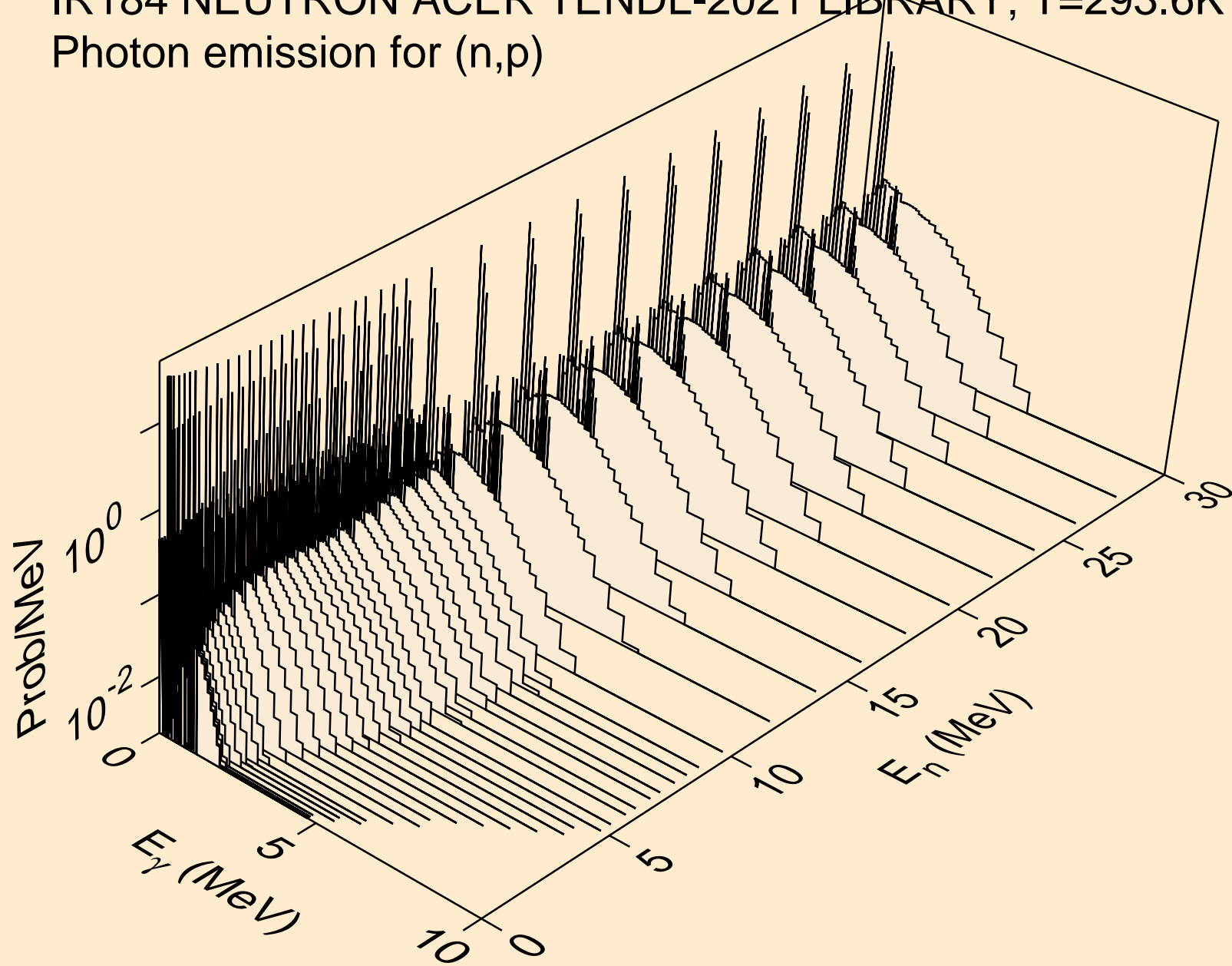
IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*c)



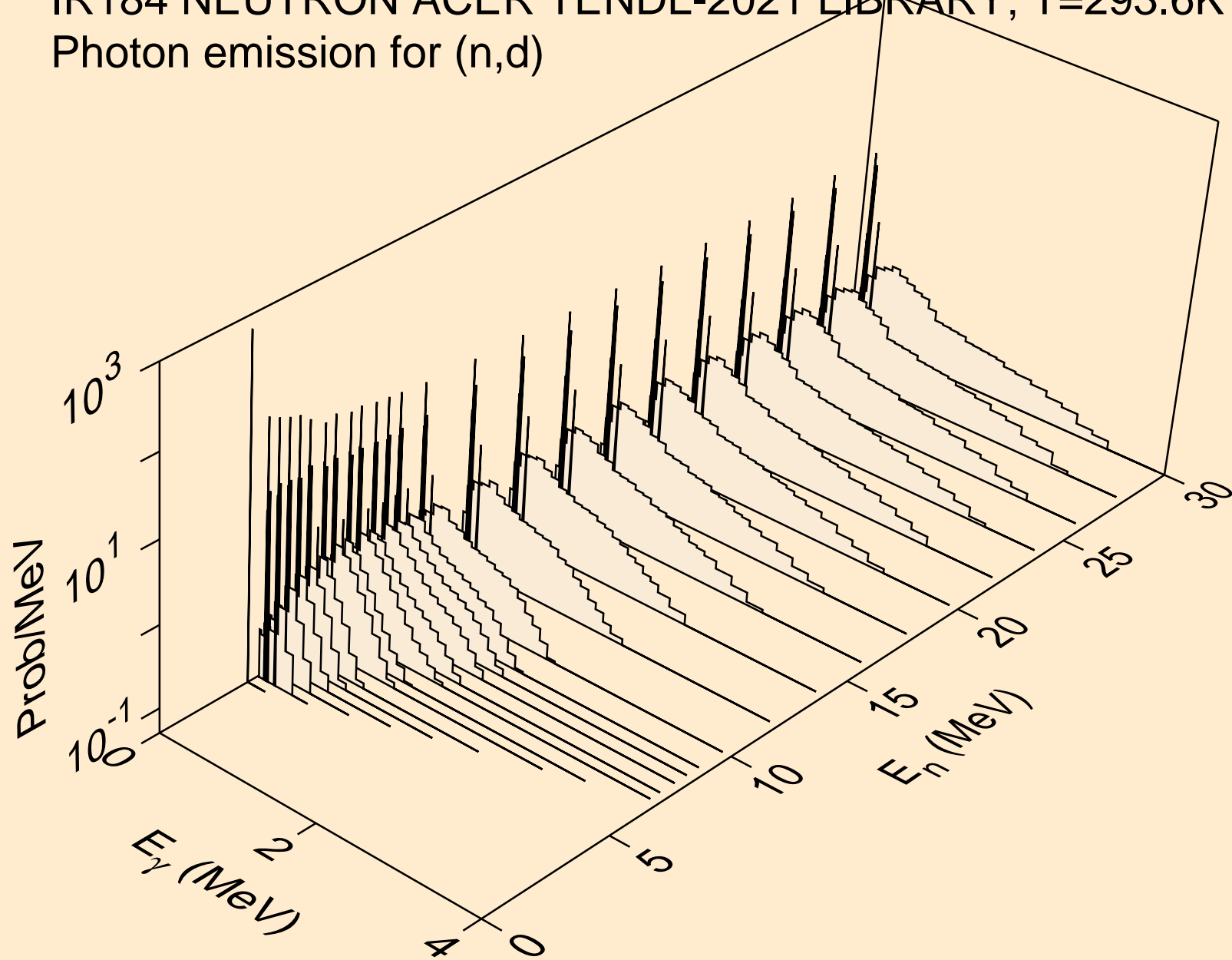
IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,gma)



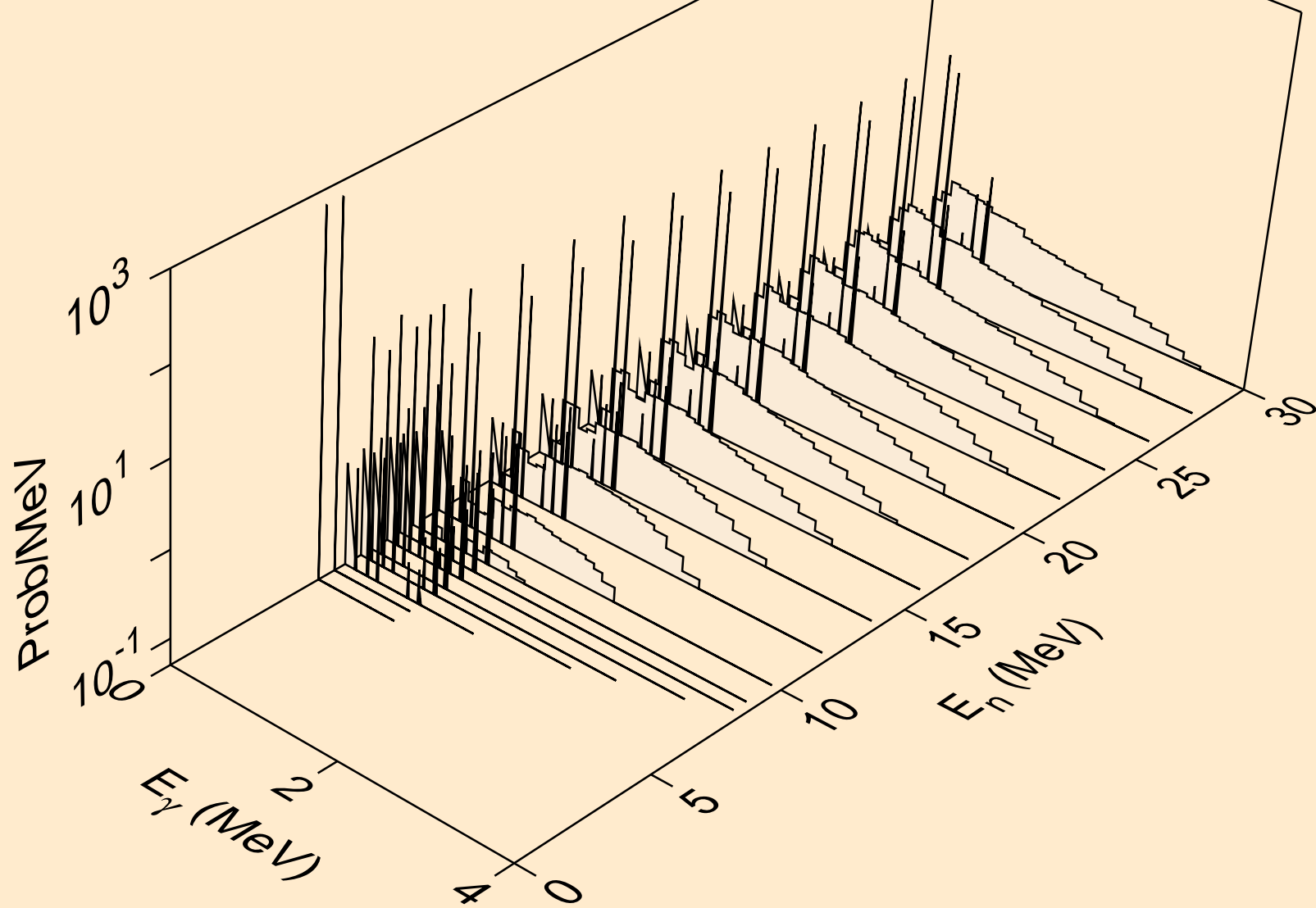
IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,p)



IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,d)

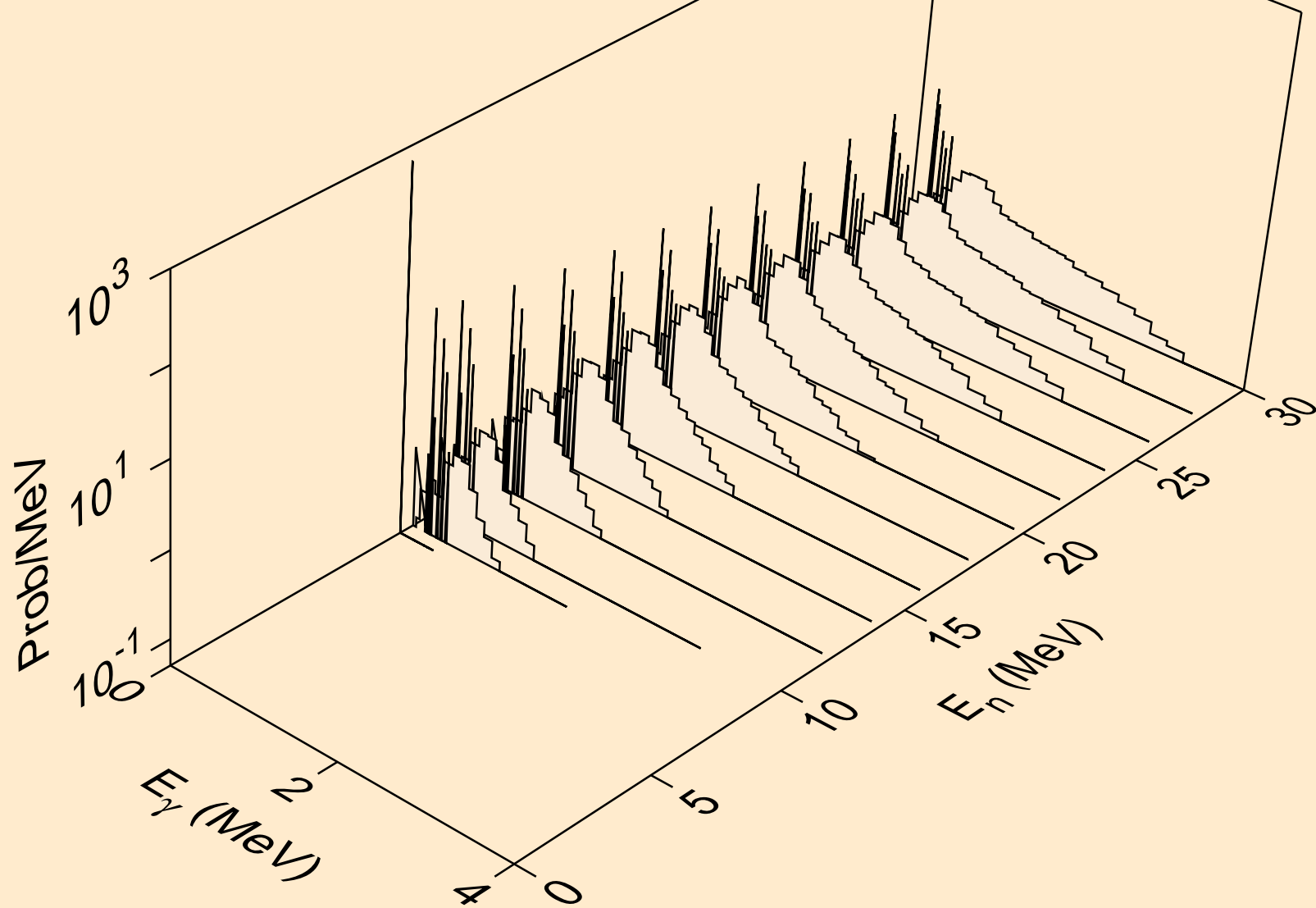


IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,t)

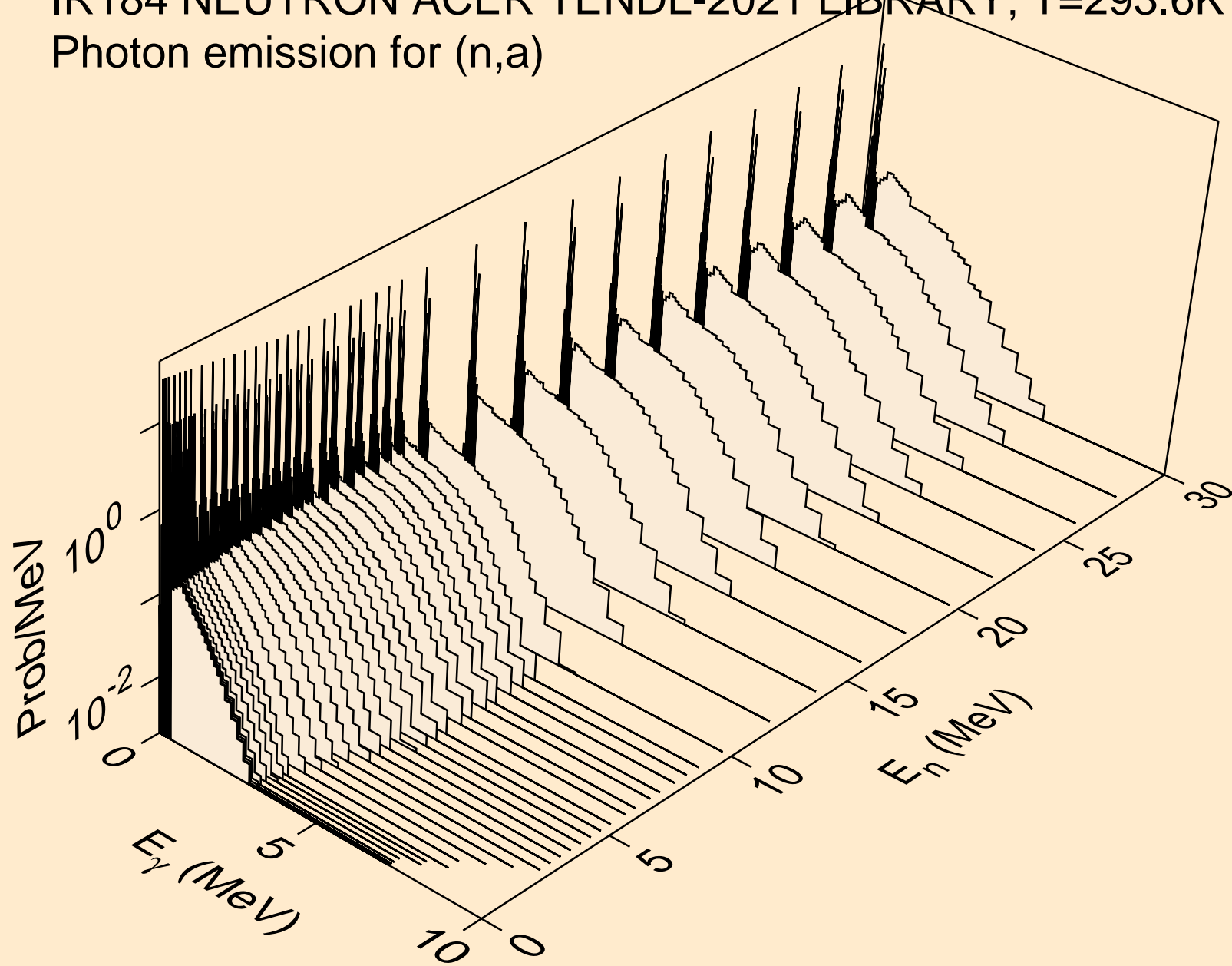




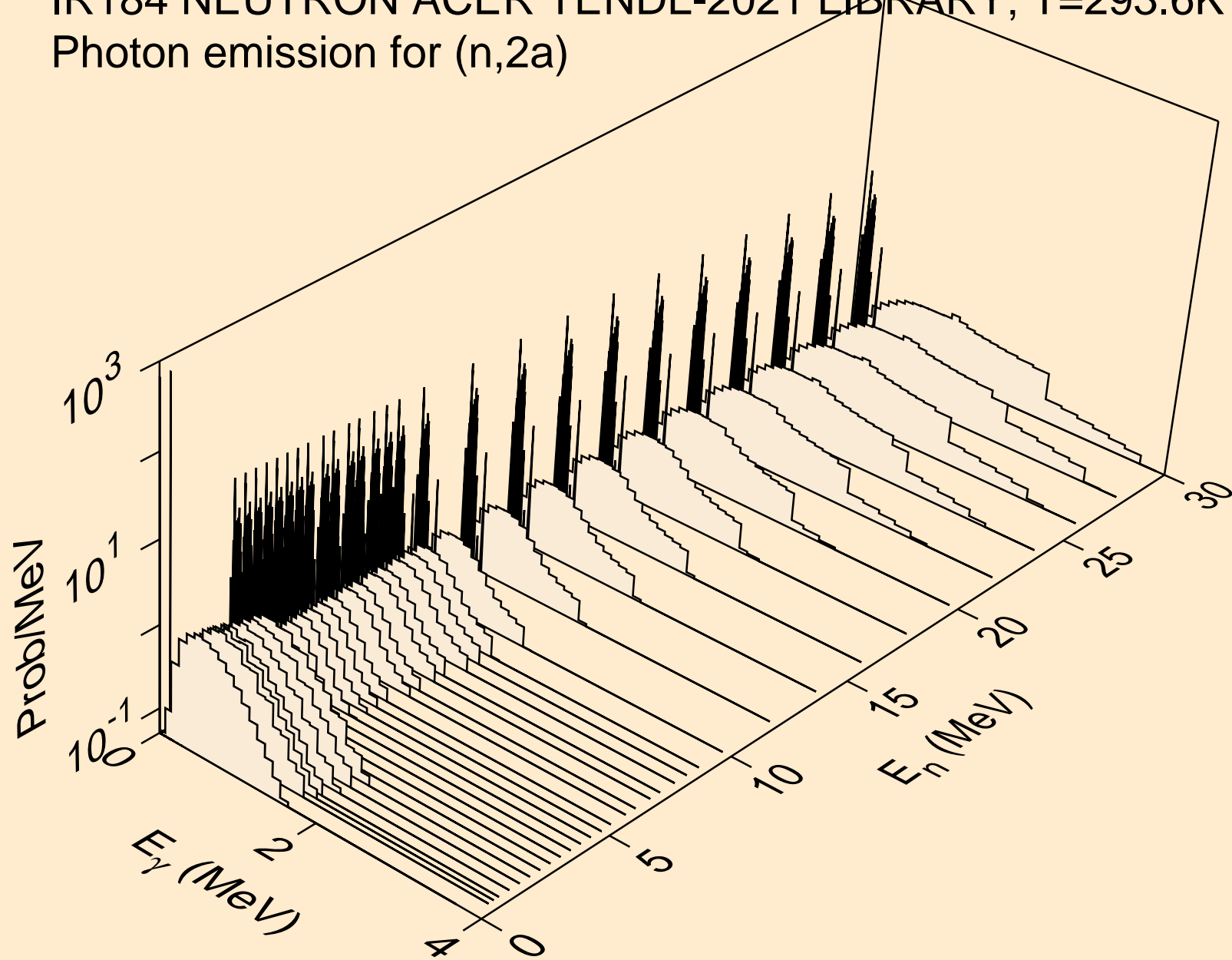
IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,he3)



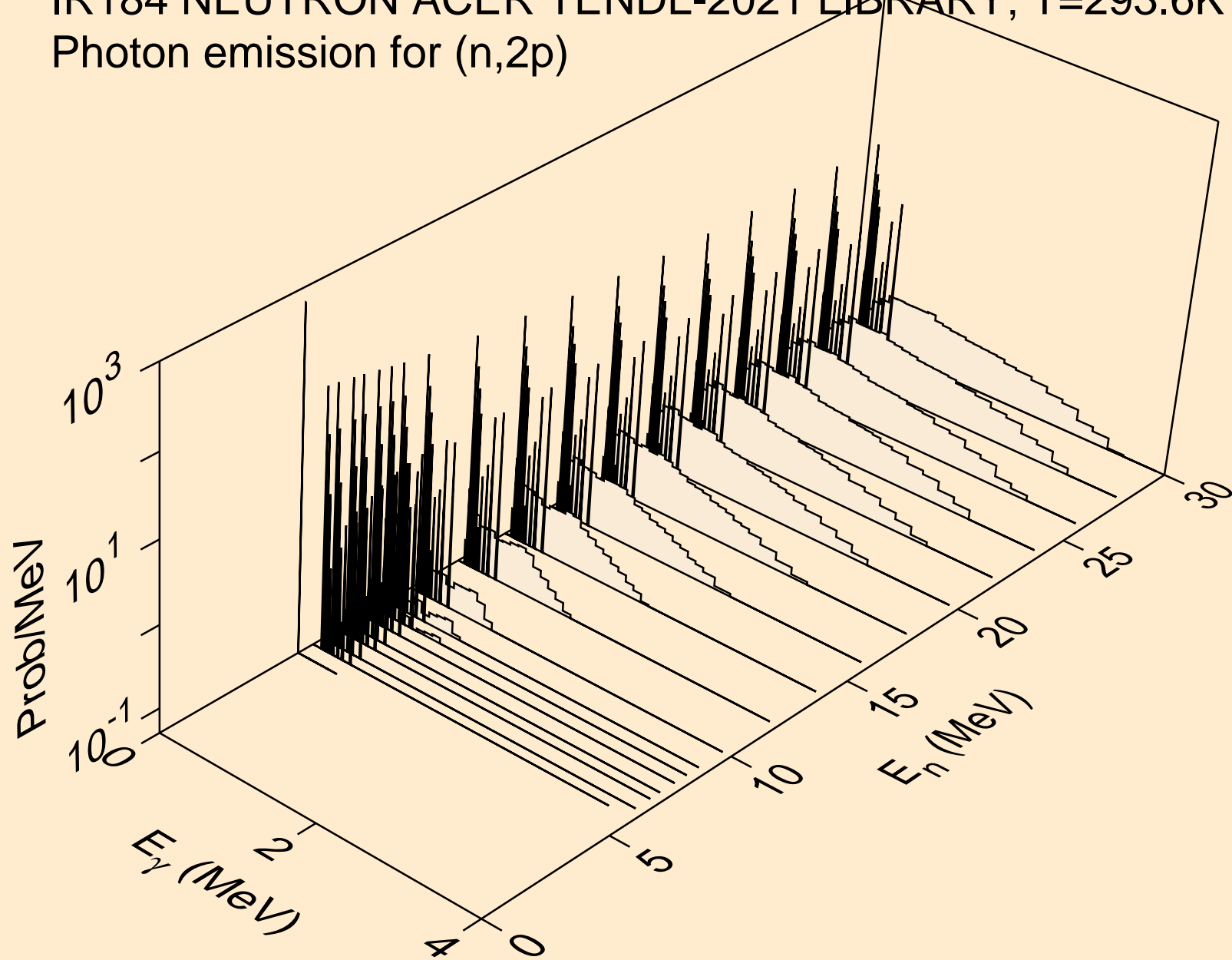
IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,a)



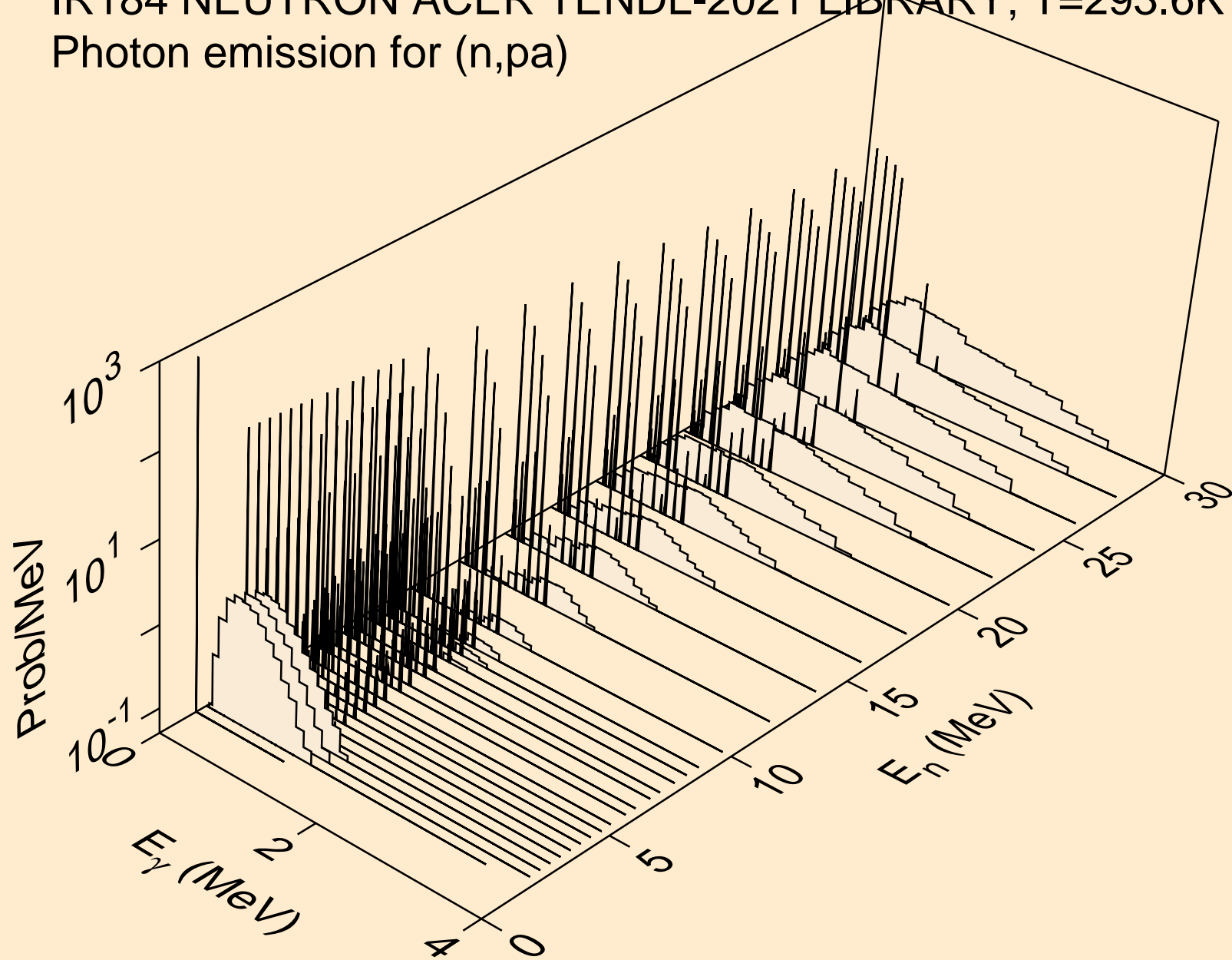
IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2a)



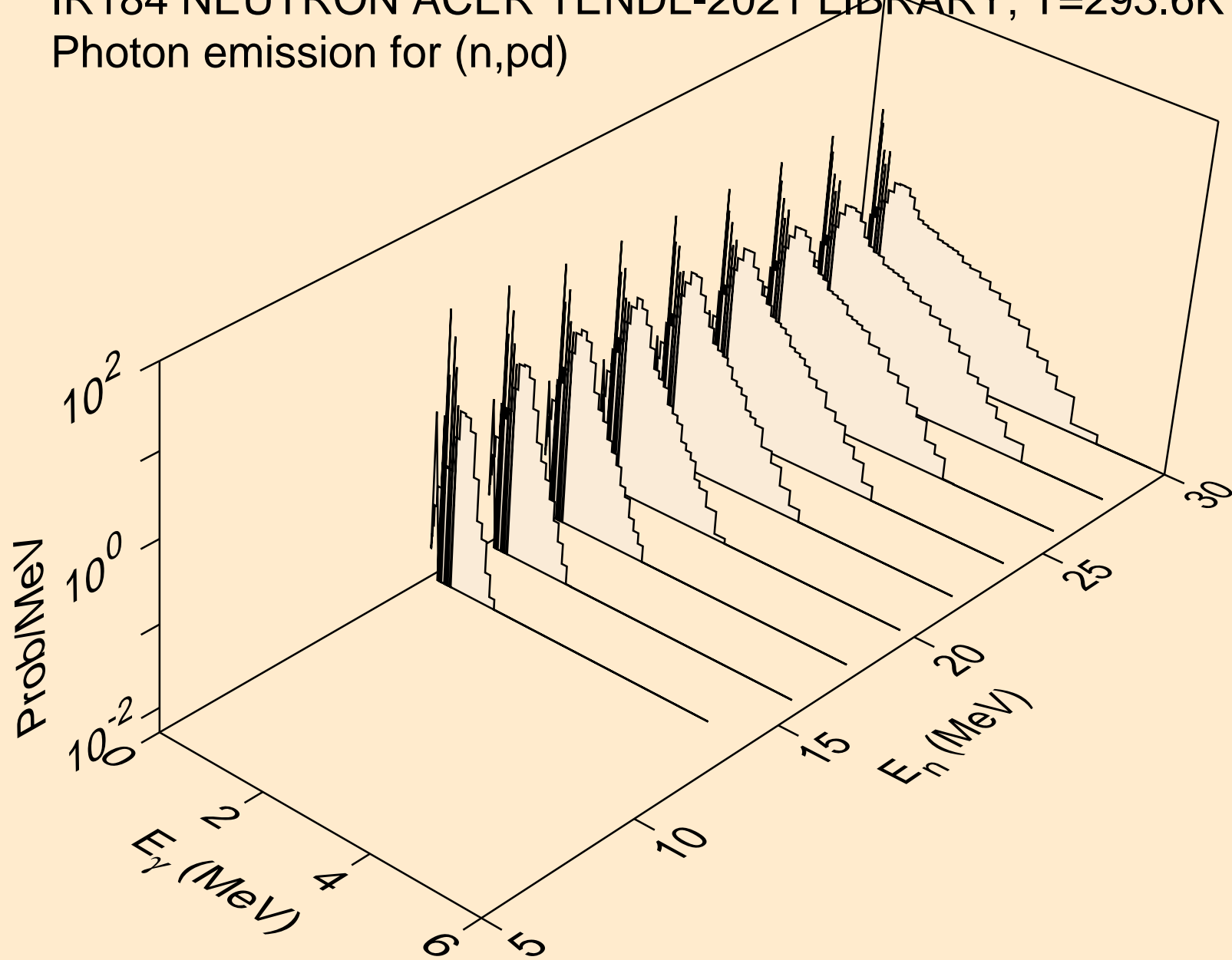
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Photon emission for (n,2p)



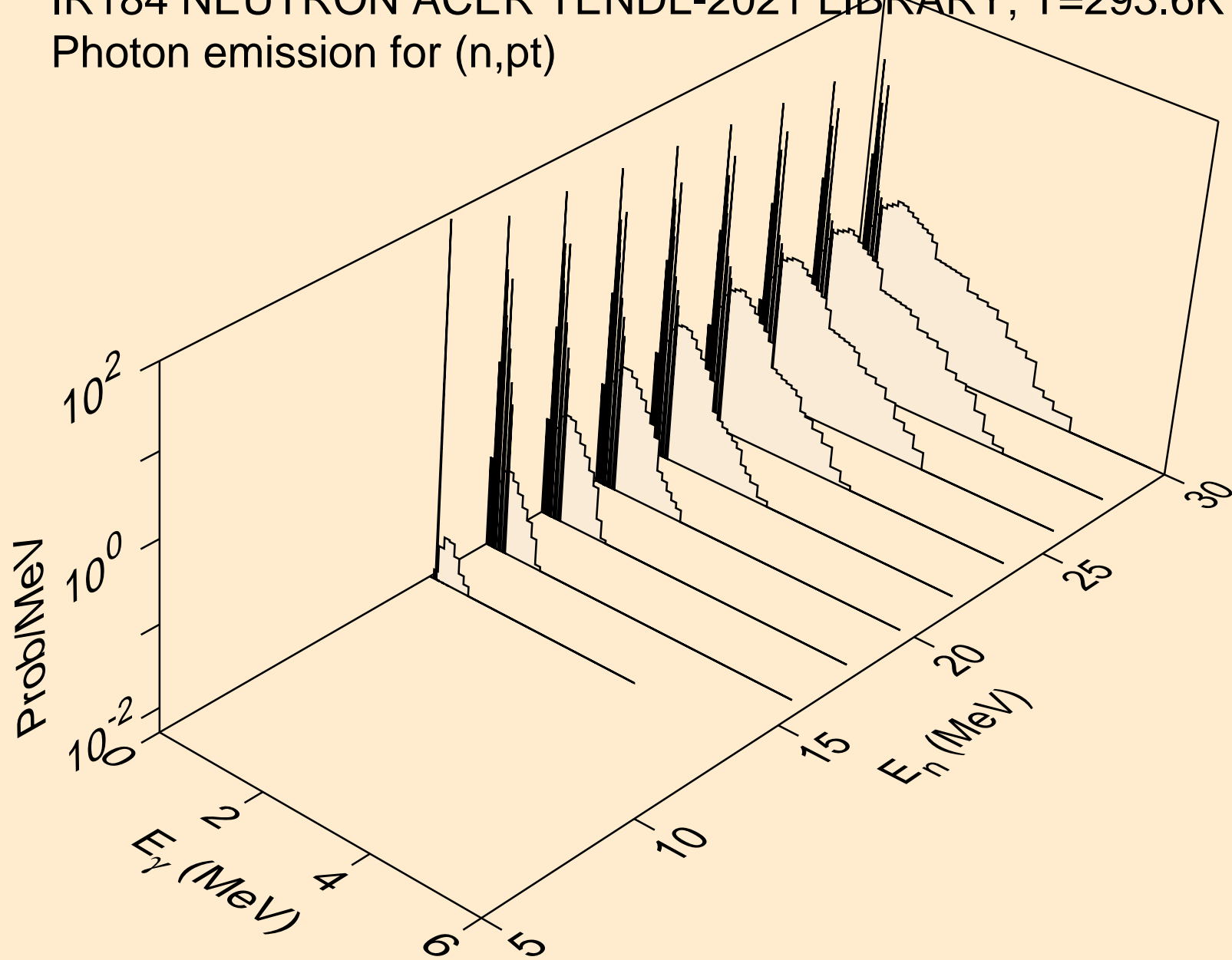
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Photon emission for (n,p)



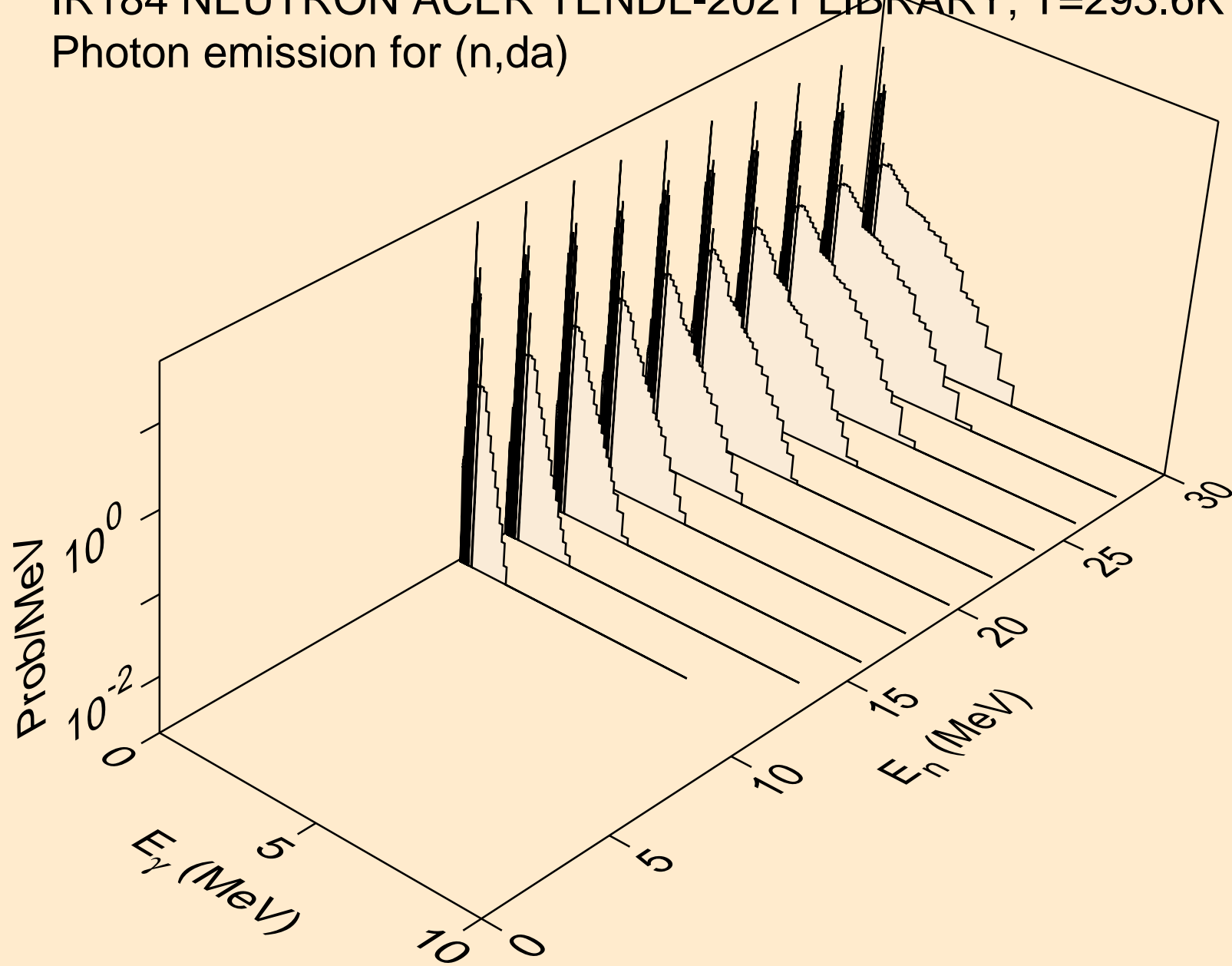
IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,pd)



IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,pt)

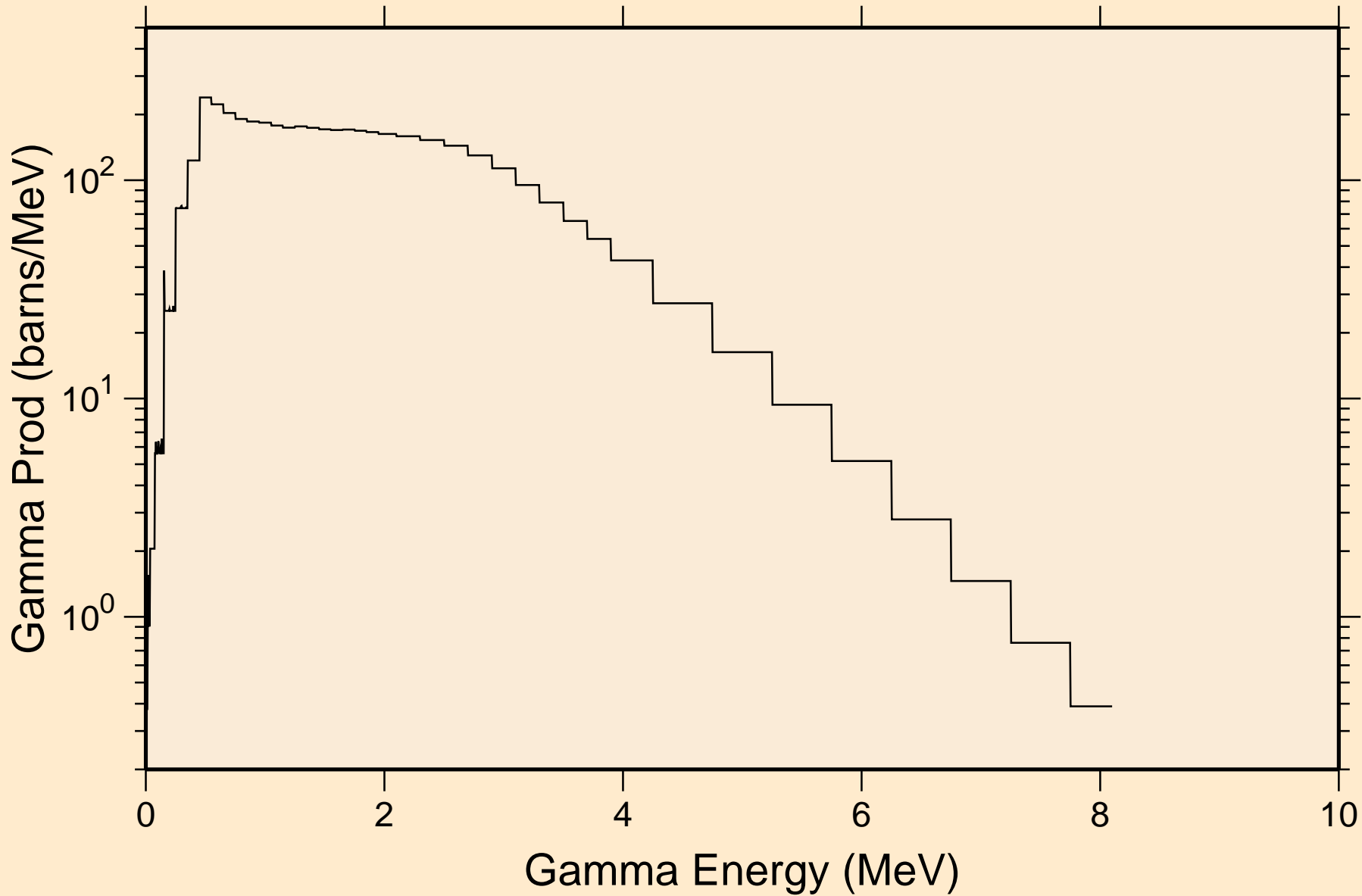


IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,da)

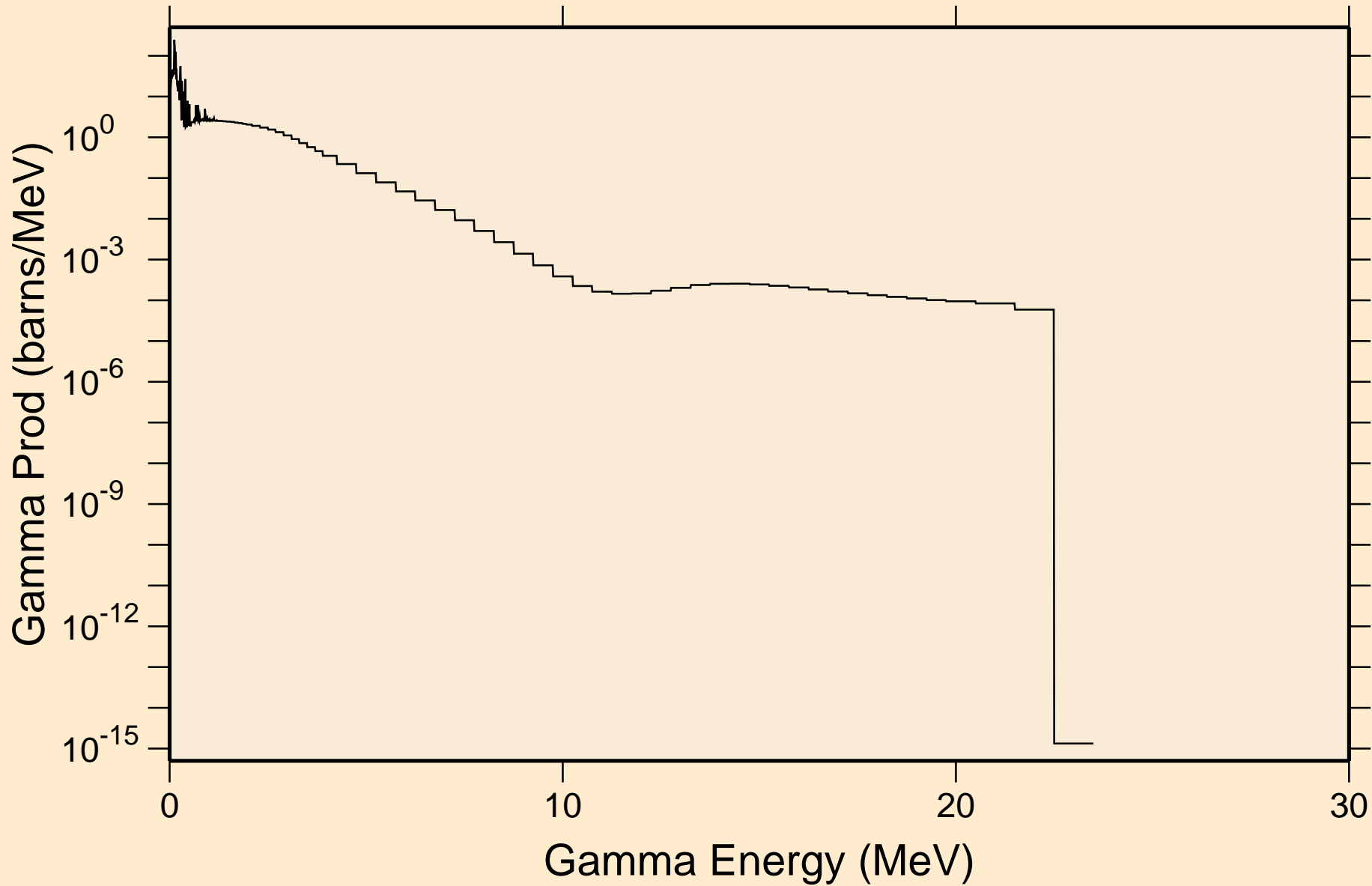




IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
thermal capture photon spectrum

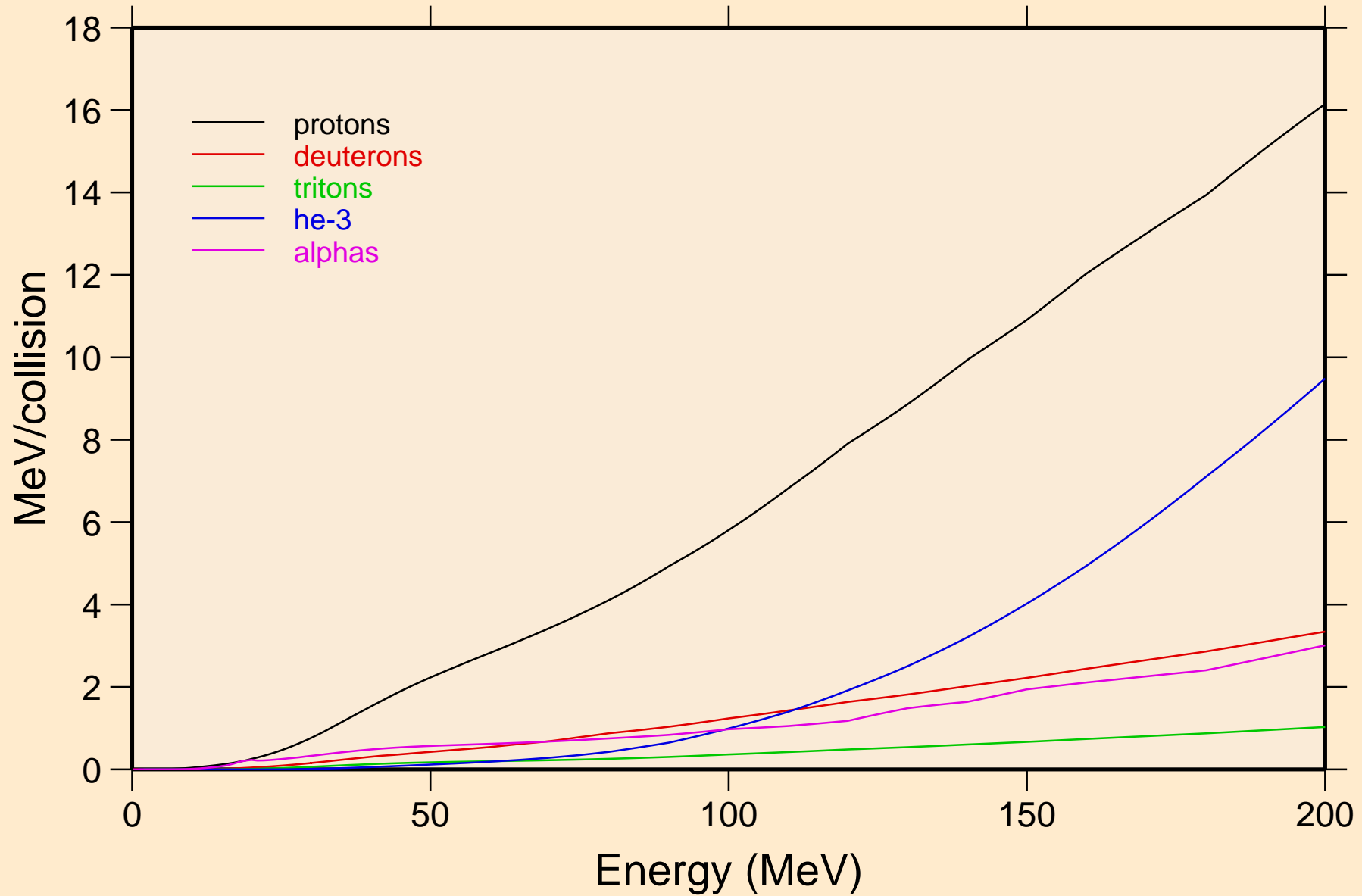


IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
14 MeV photon spectrum

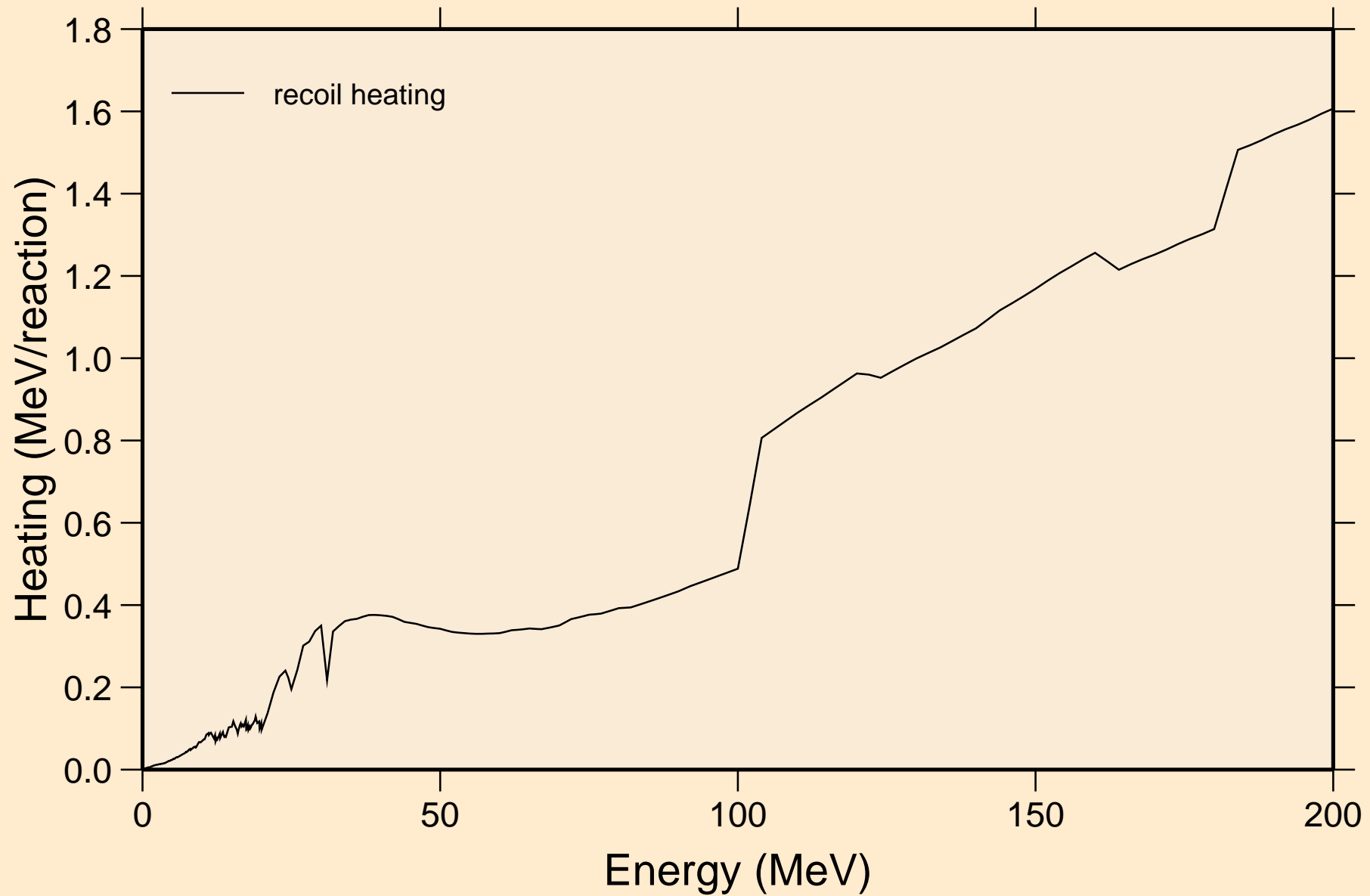


# IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

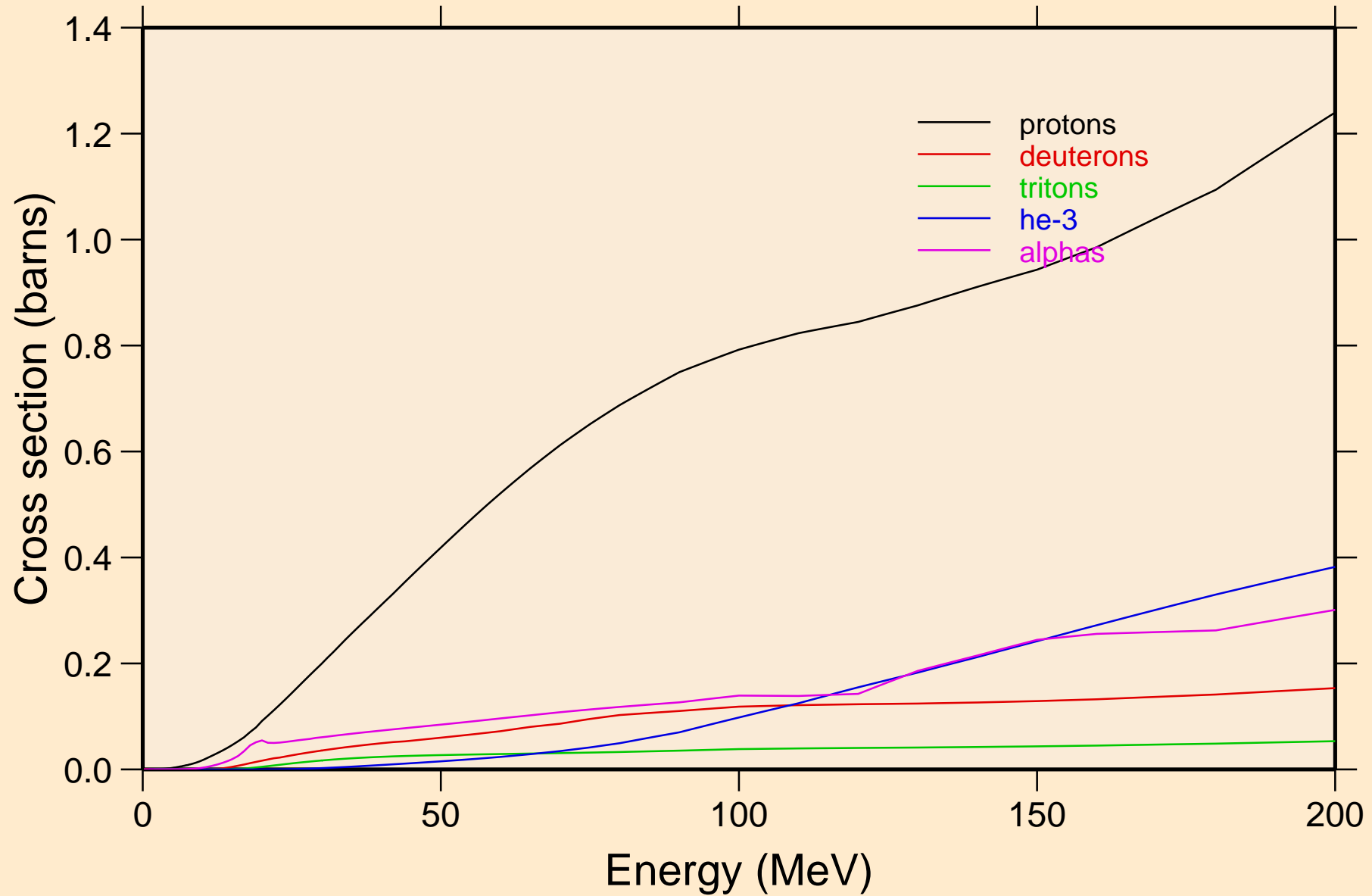
## Particle heating contributions



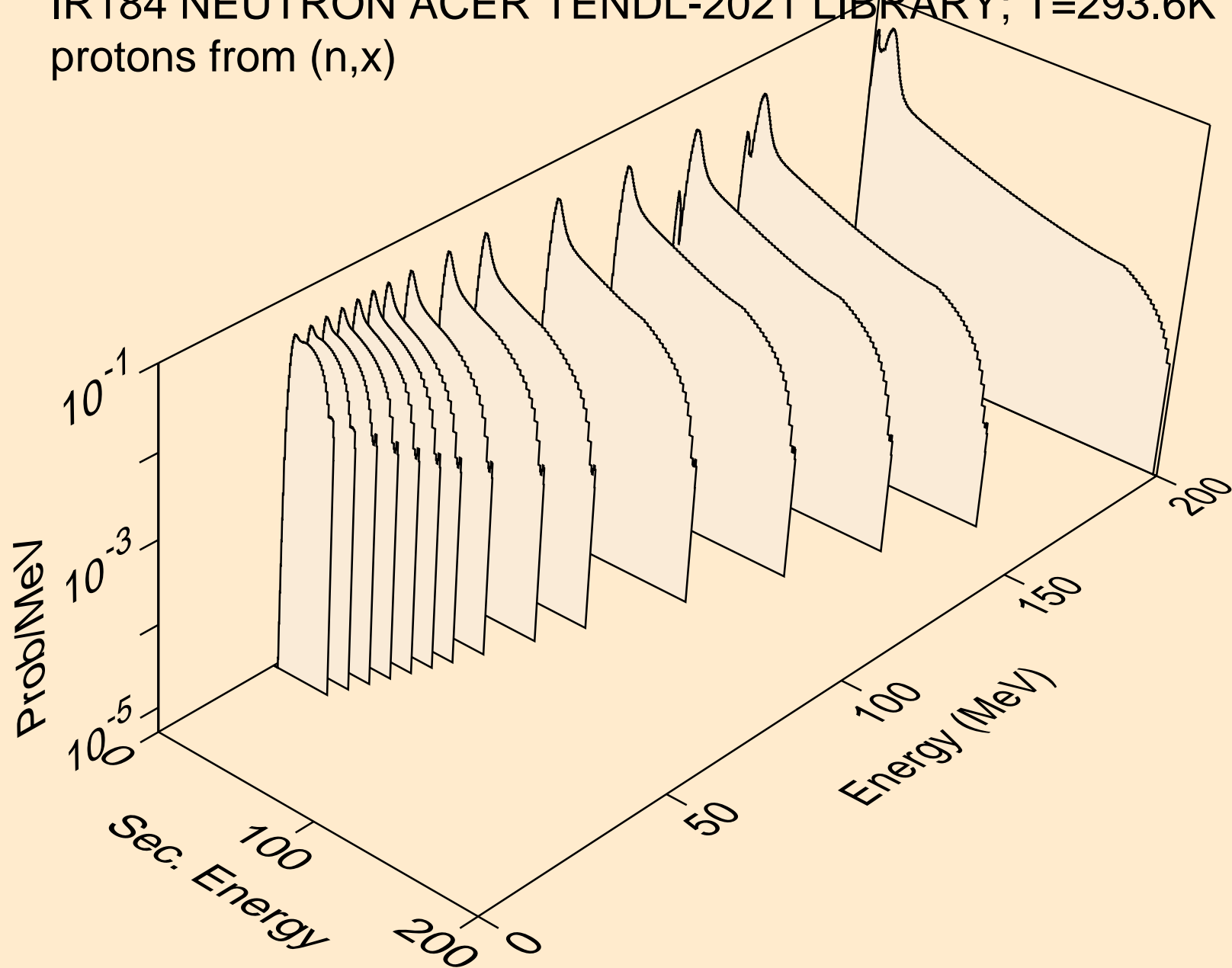
IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Recoil Heating



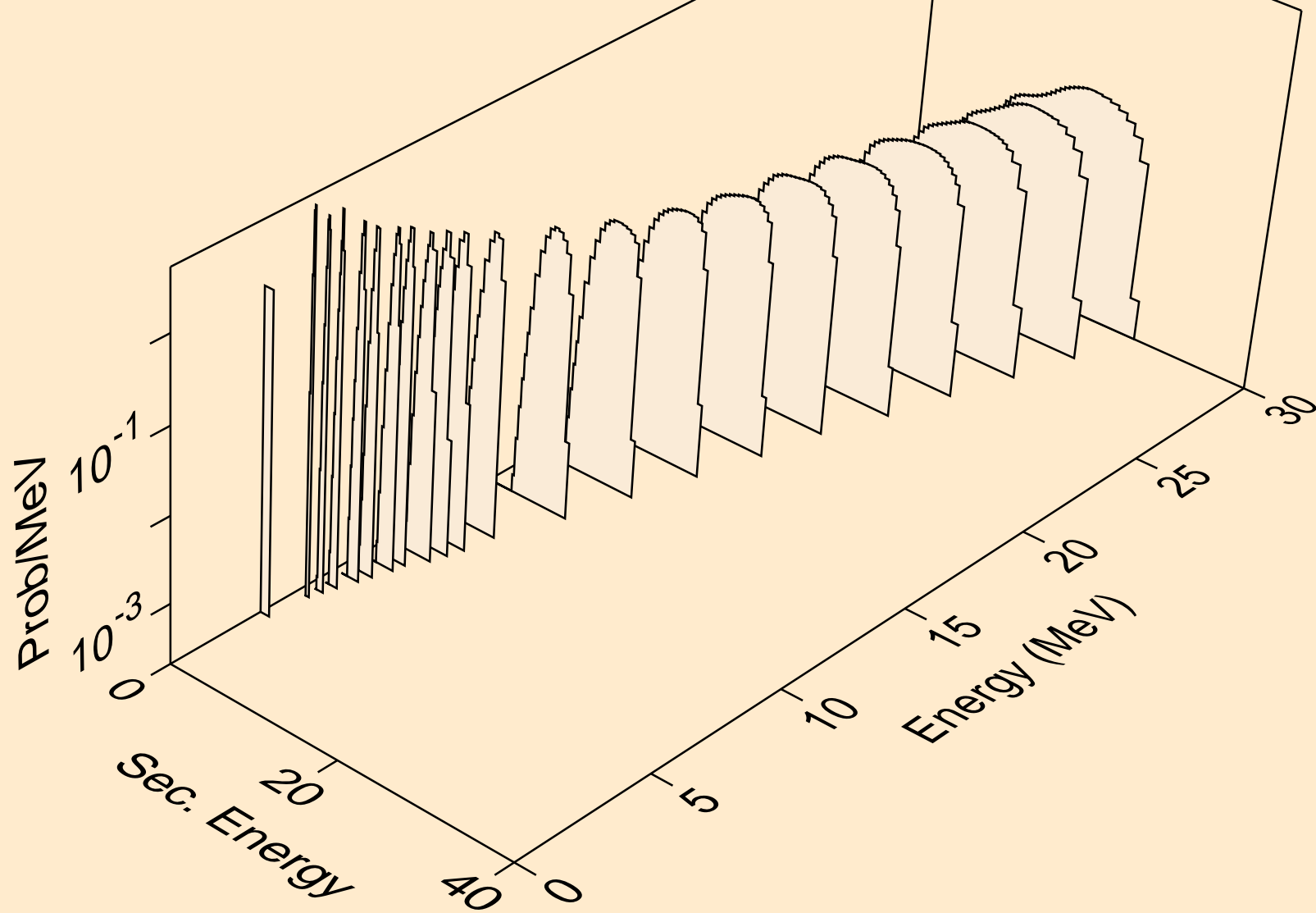
IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Particle production cross sections



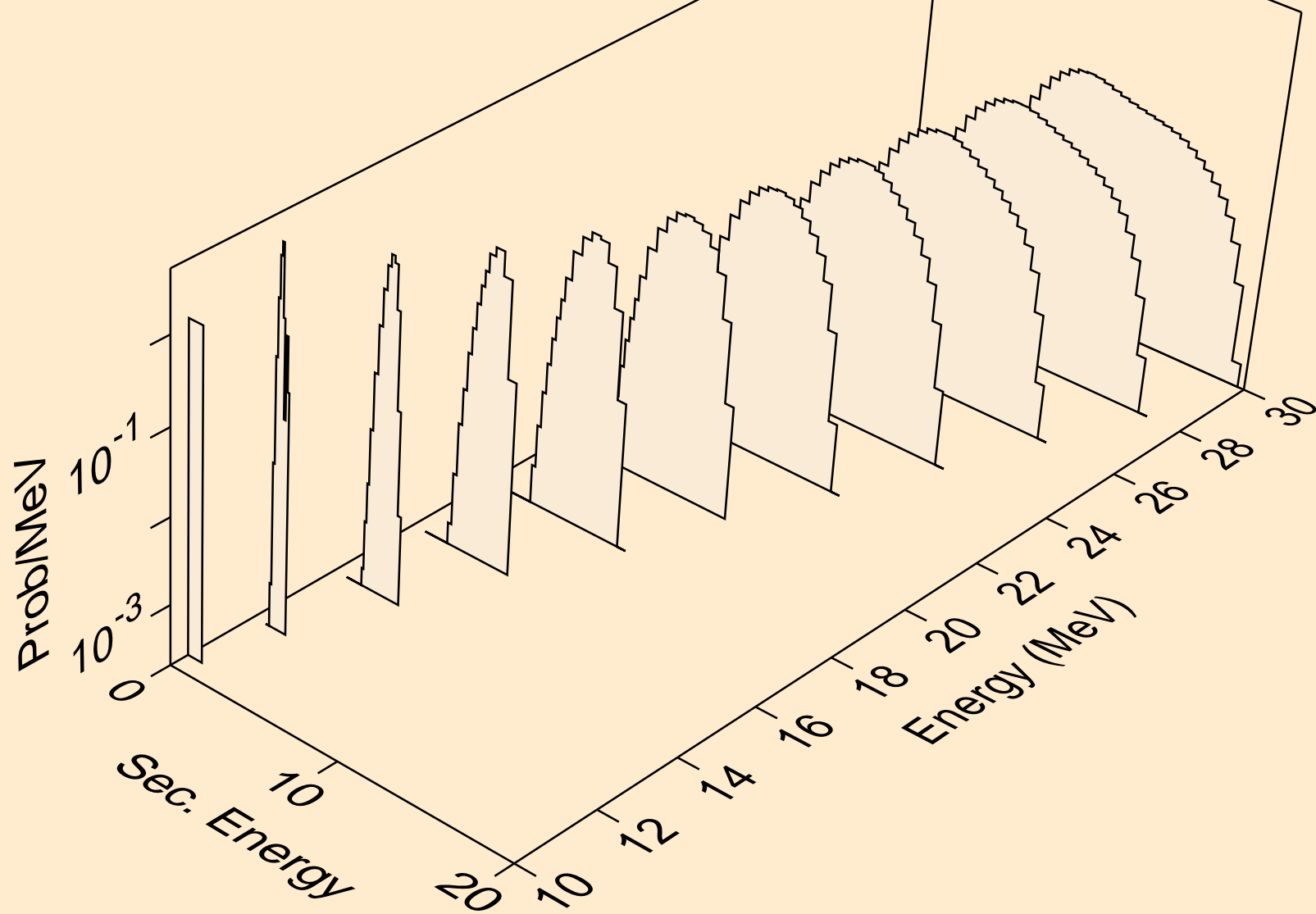
IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,x)



IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,n\*)p

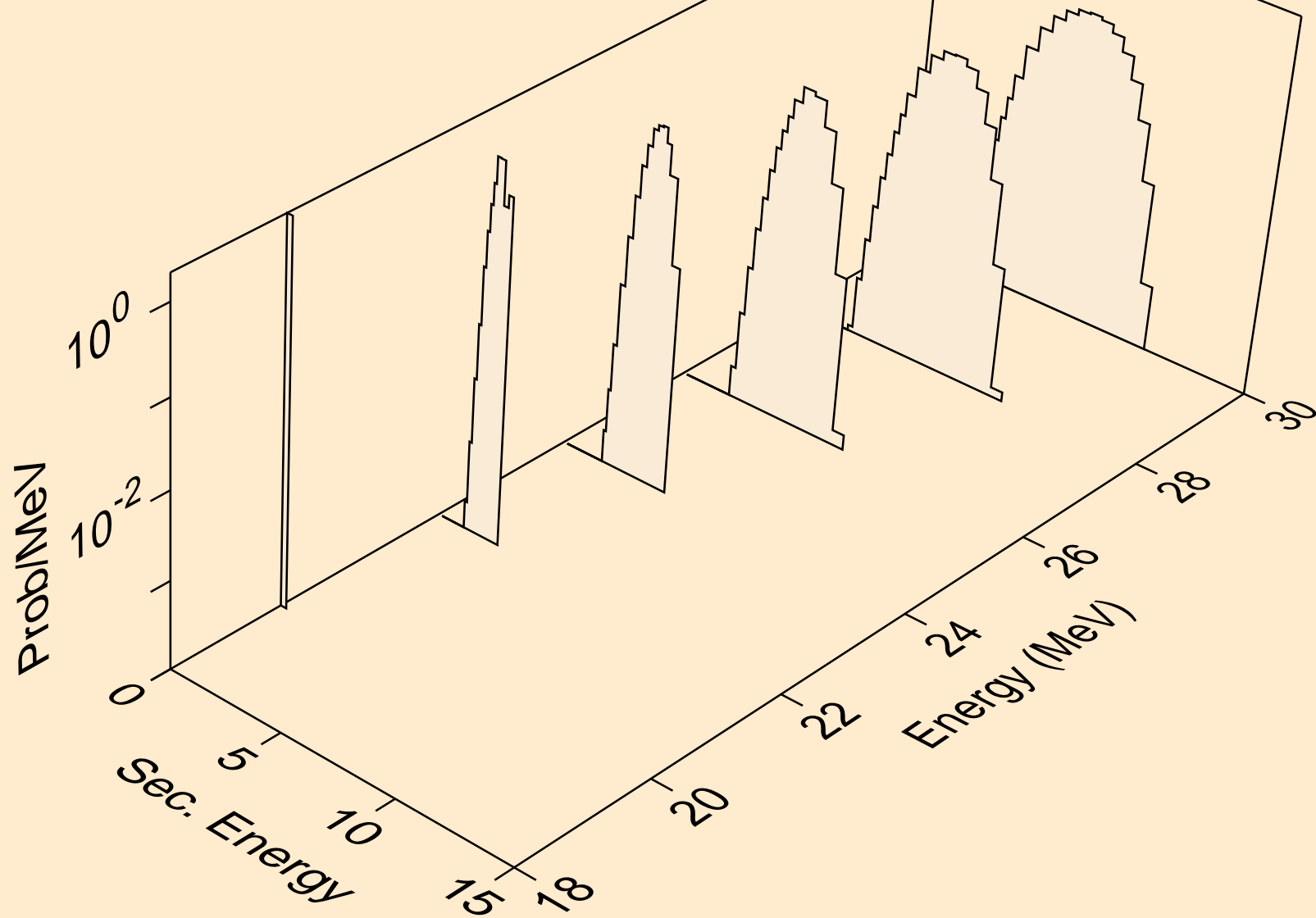


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protons from (n,2np)

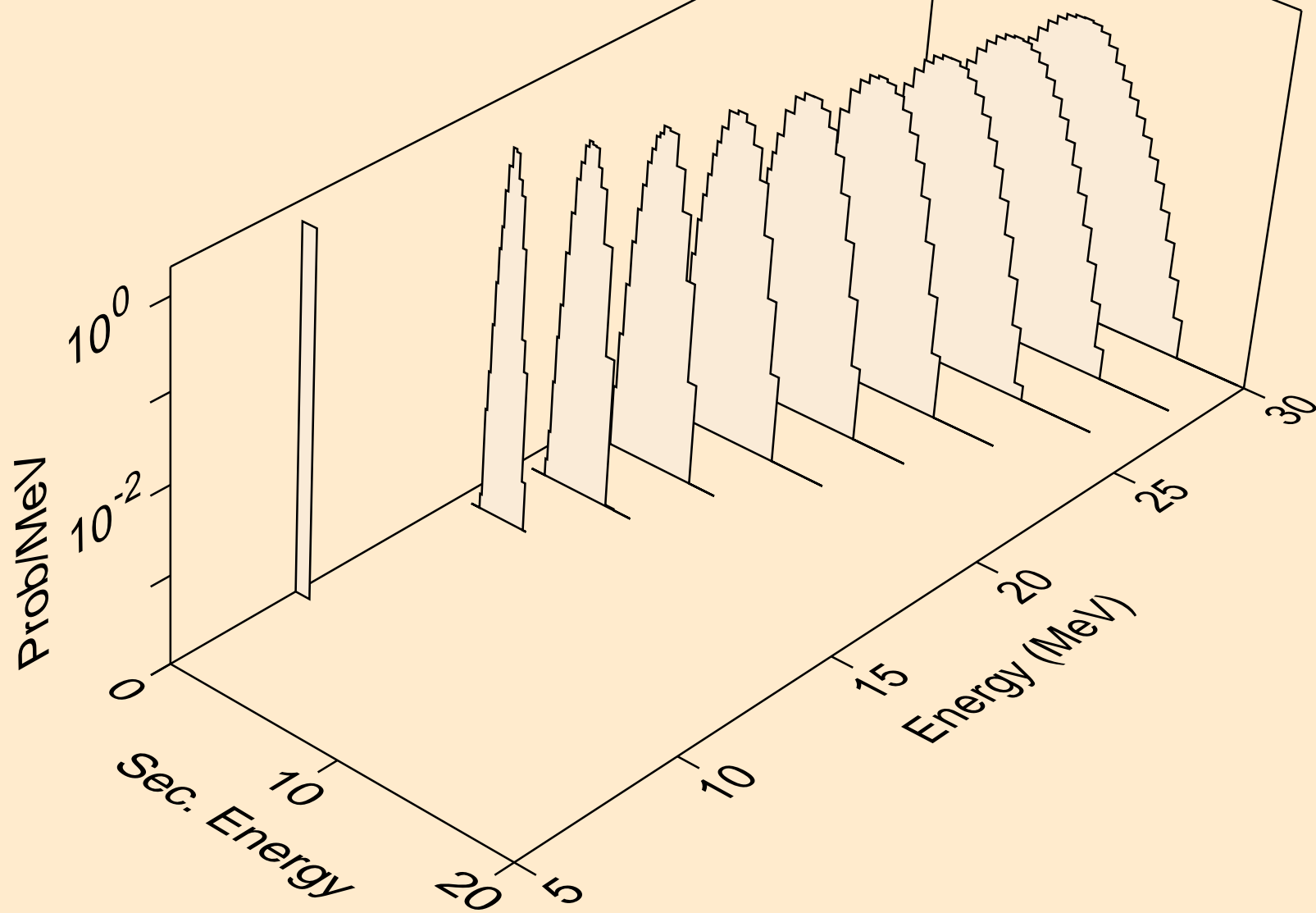




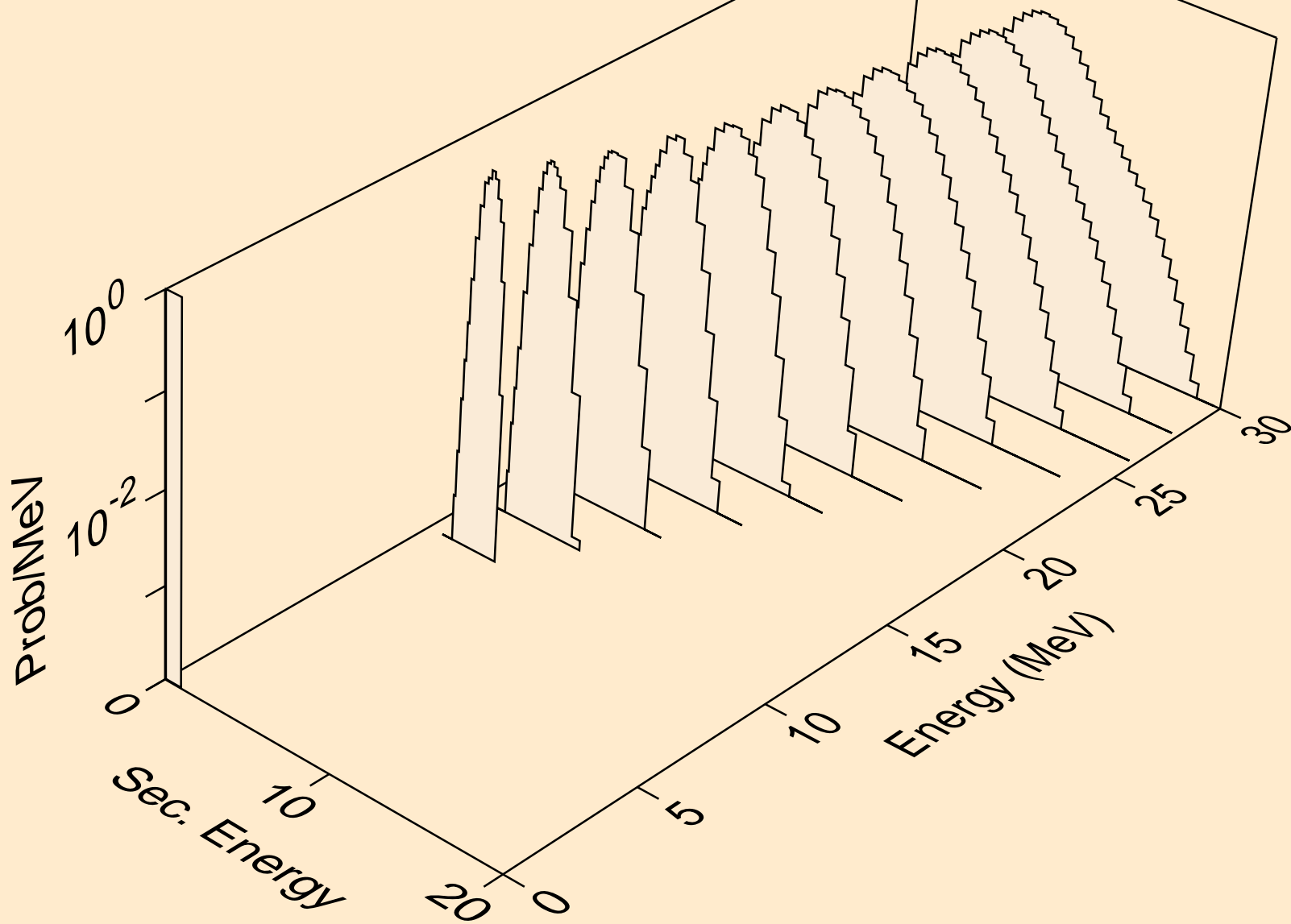
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protons from (n,3np)



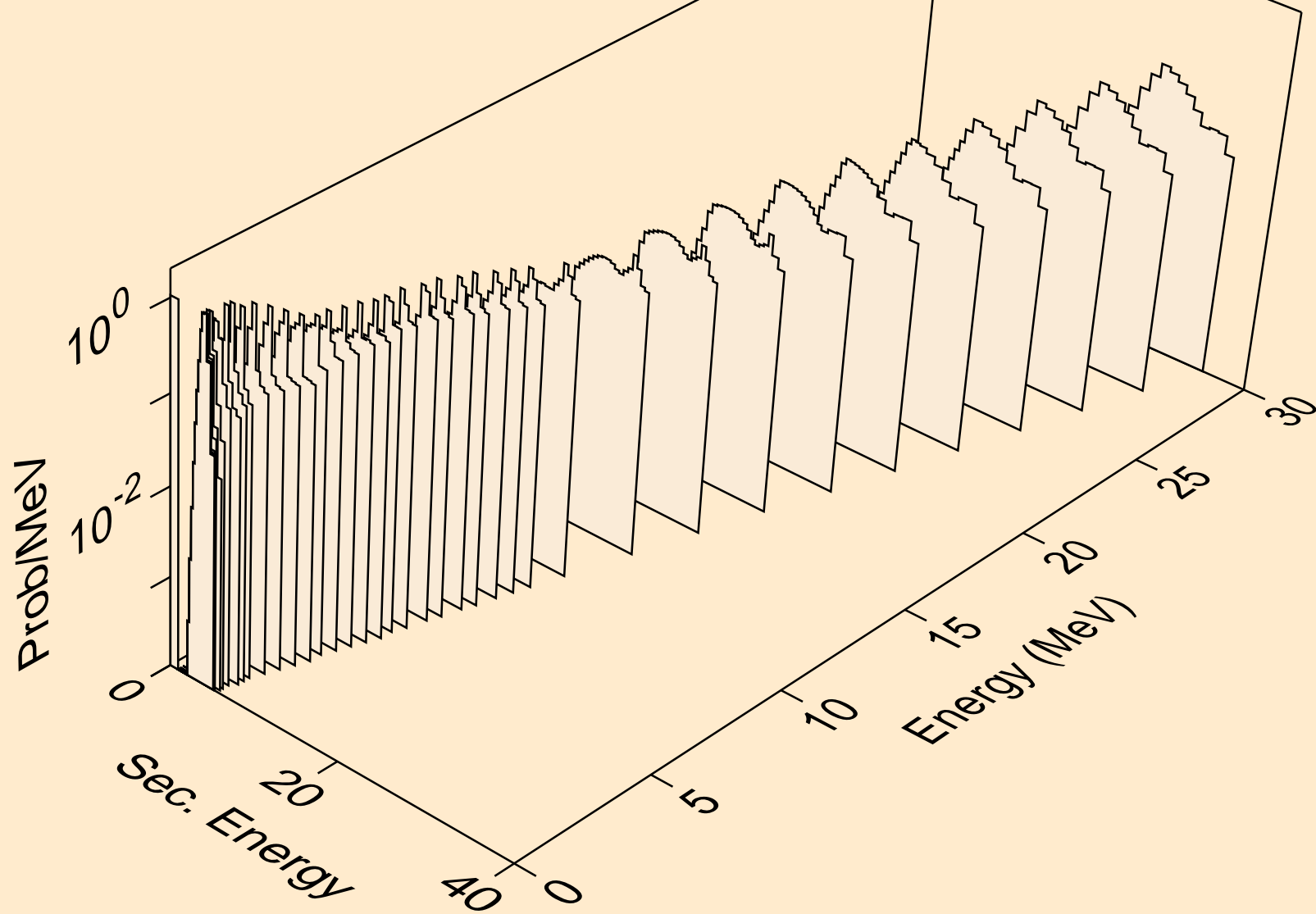
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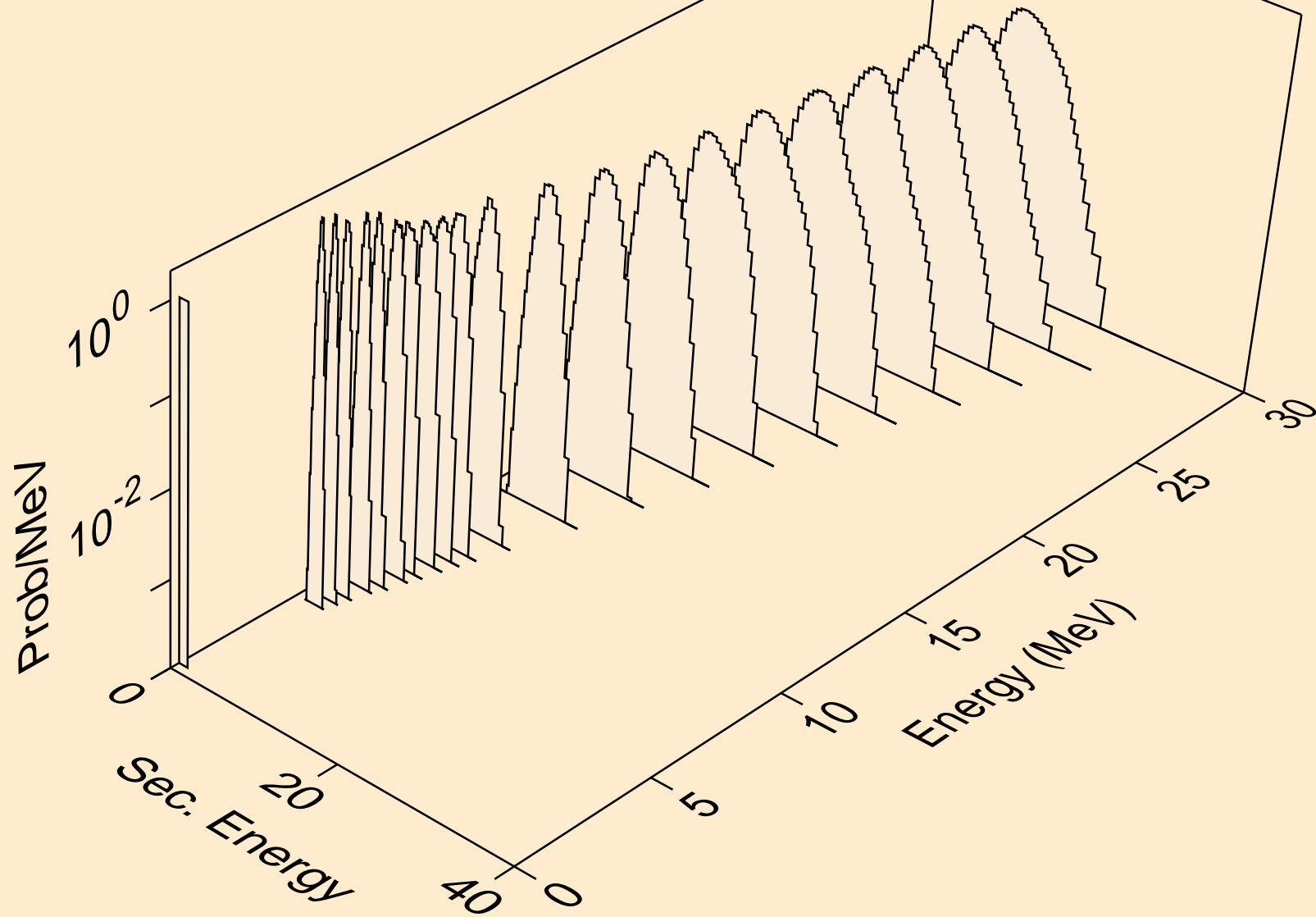
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protons from (n,npa)



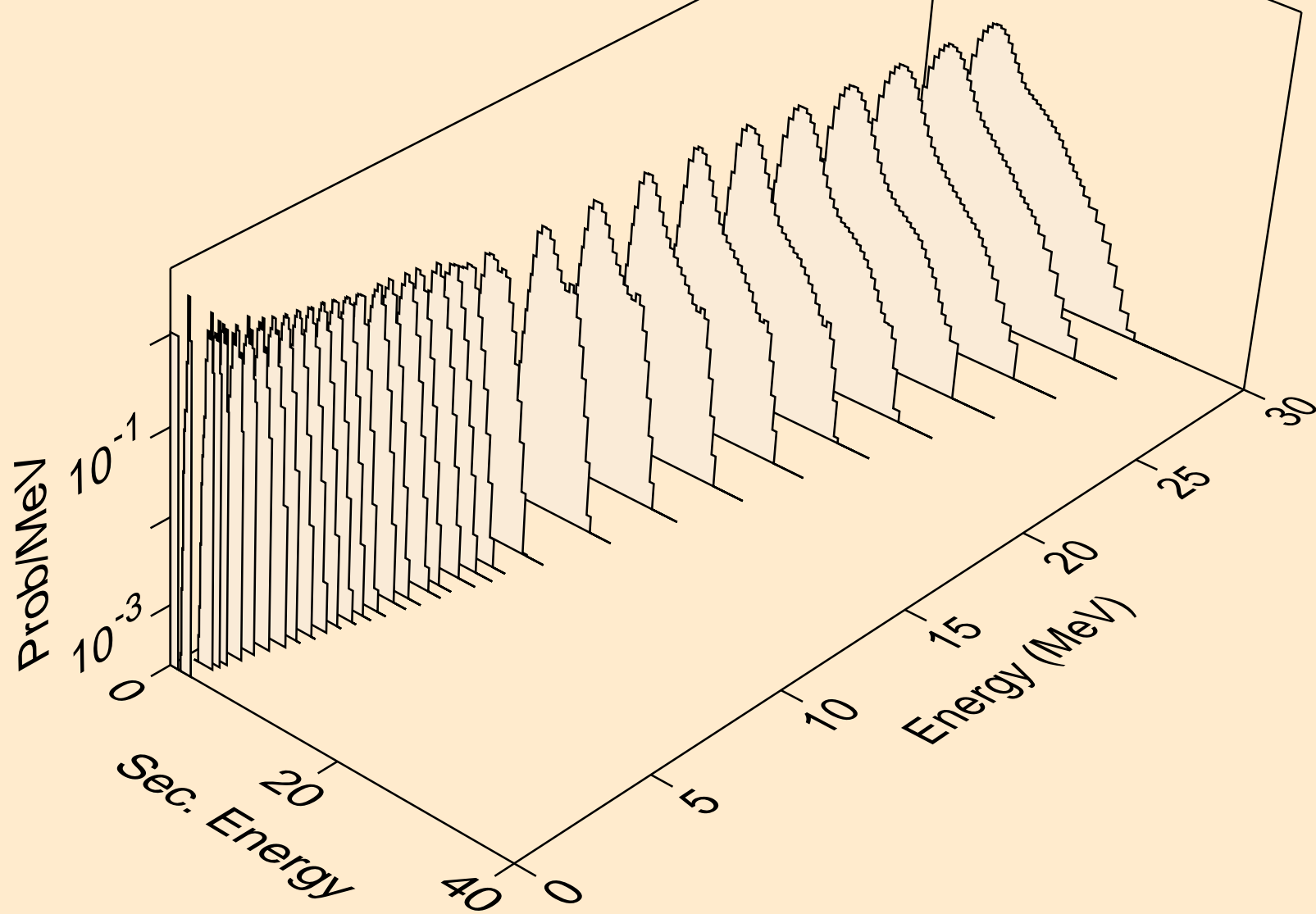
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protons from (n,p)



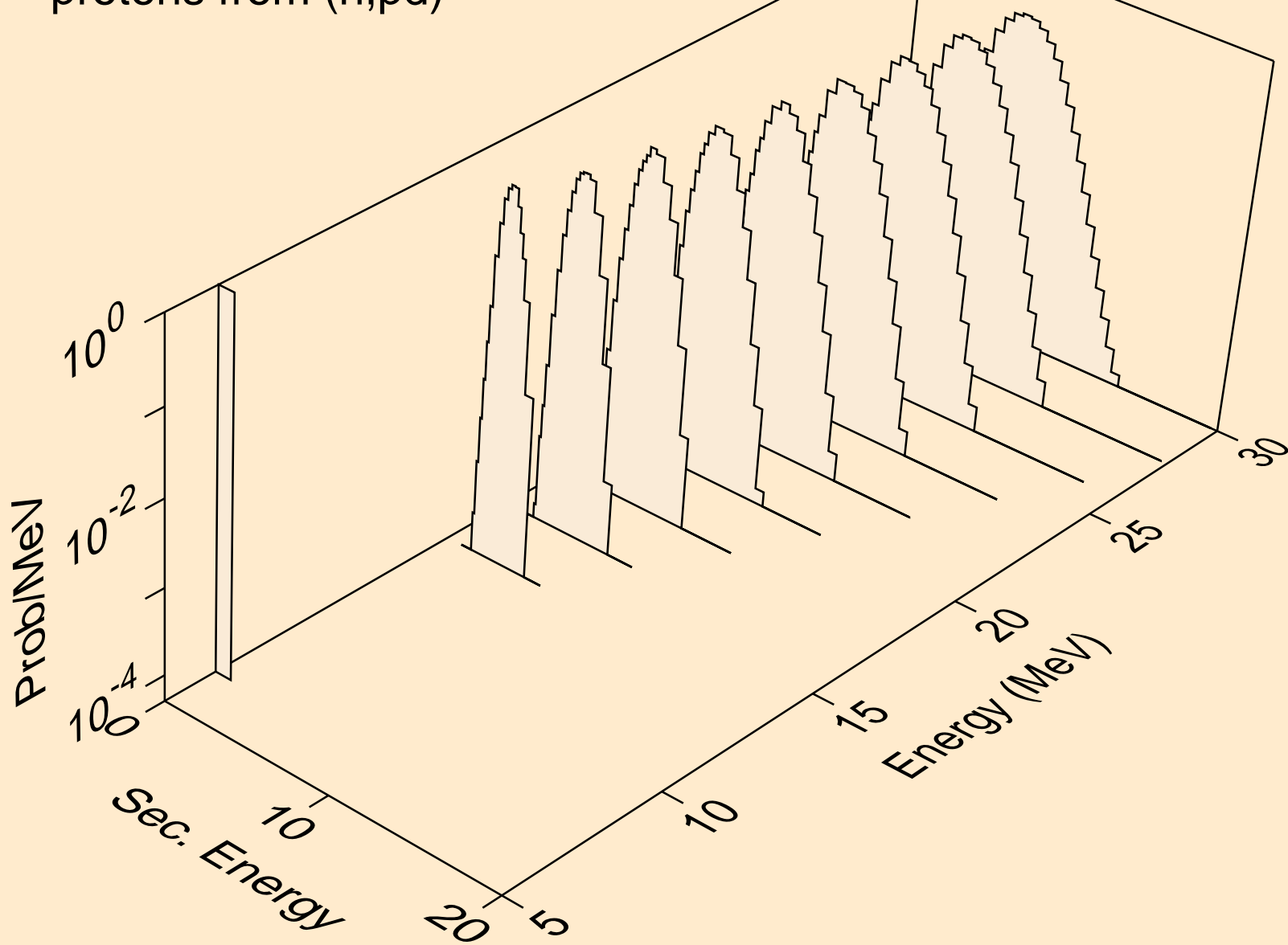
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protons from (n,2p)



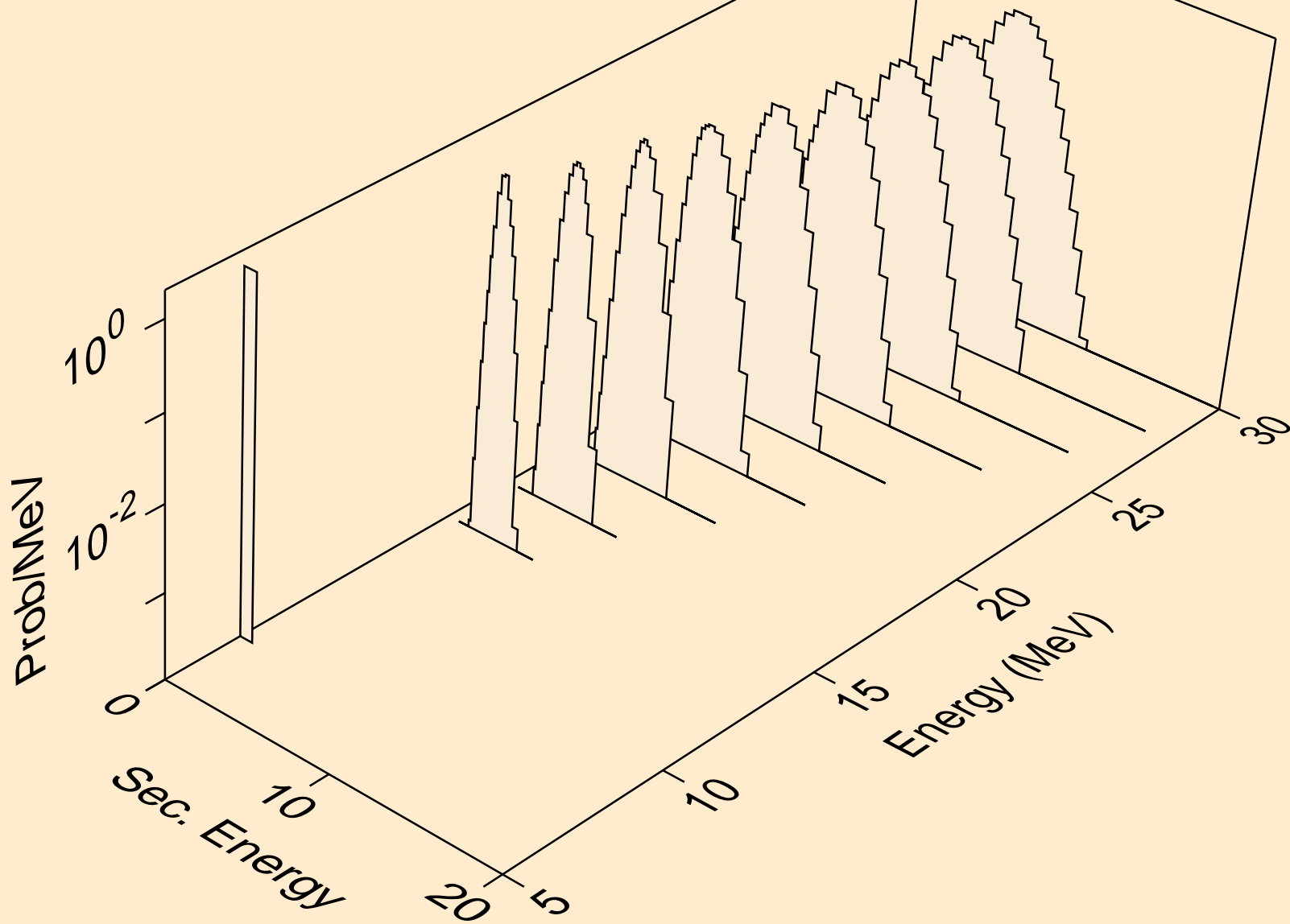
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protons from (n,p)



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protons from (n,pd)

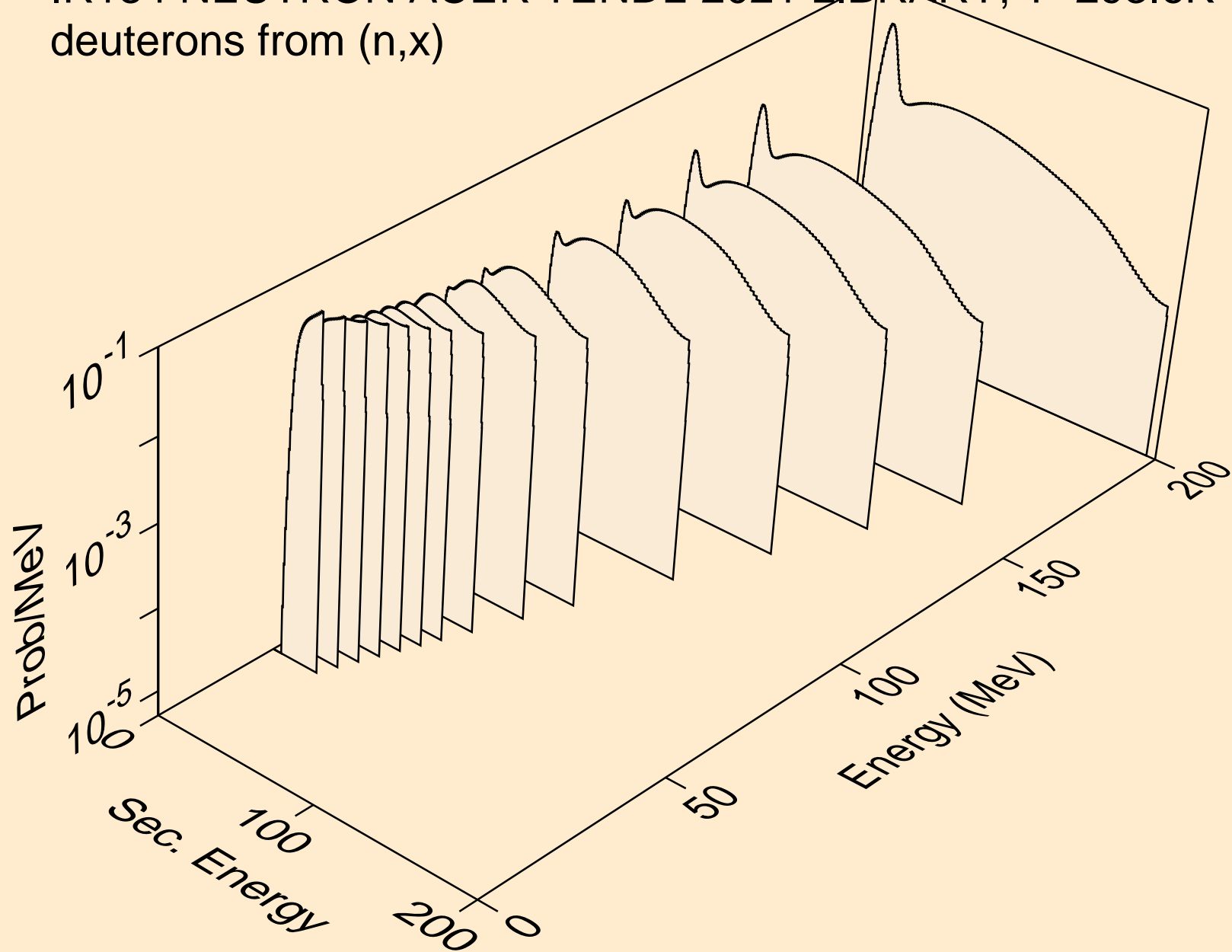


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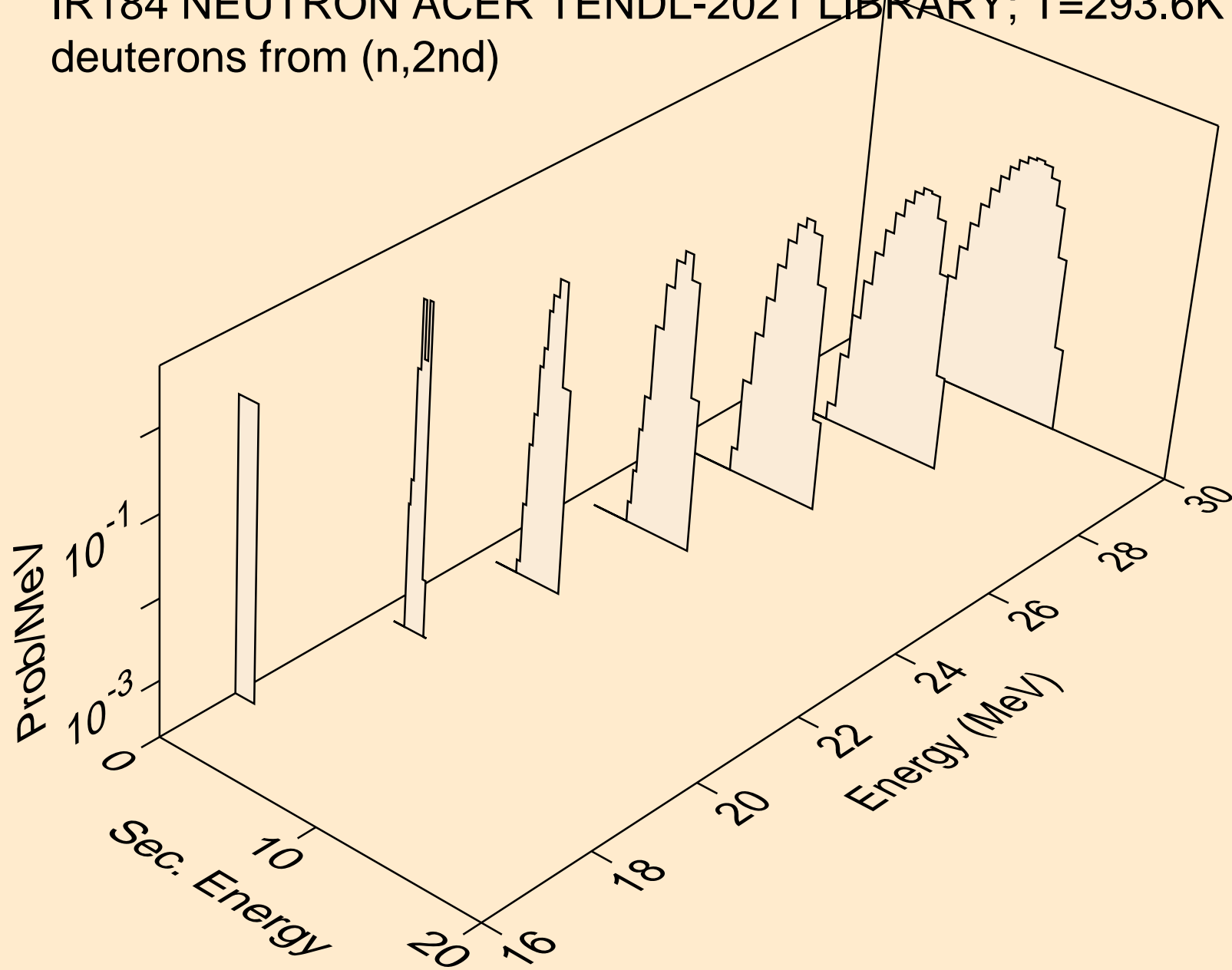




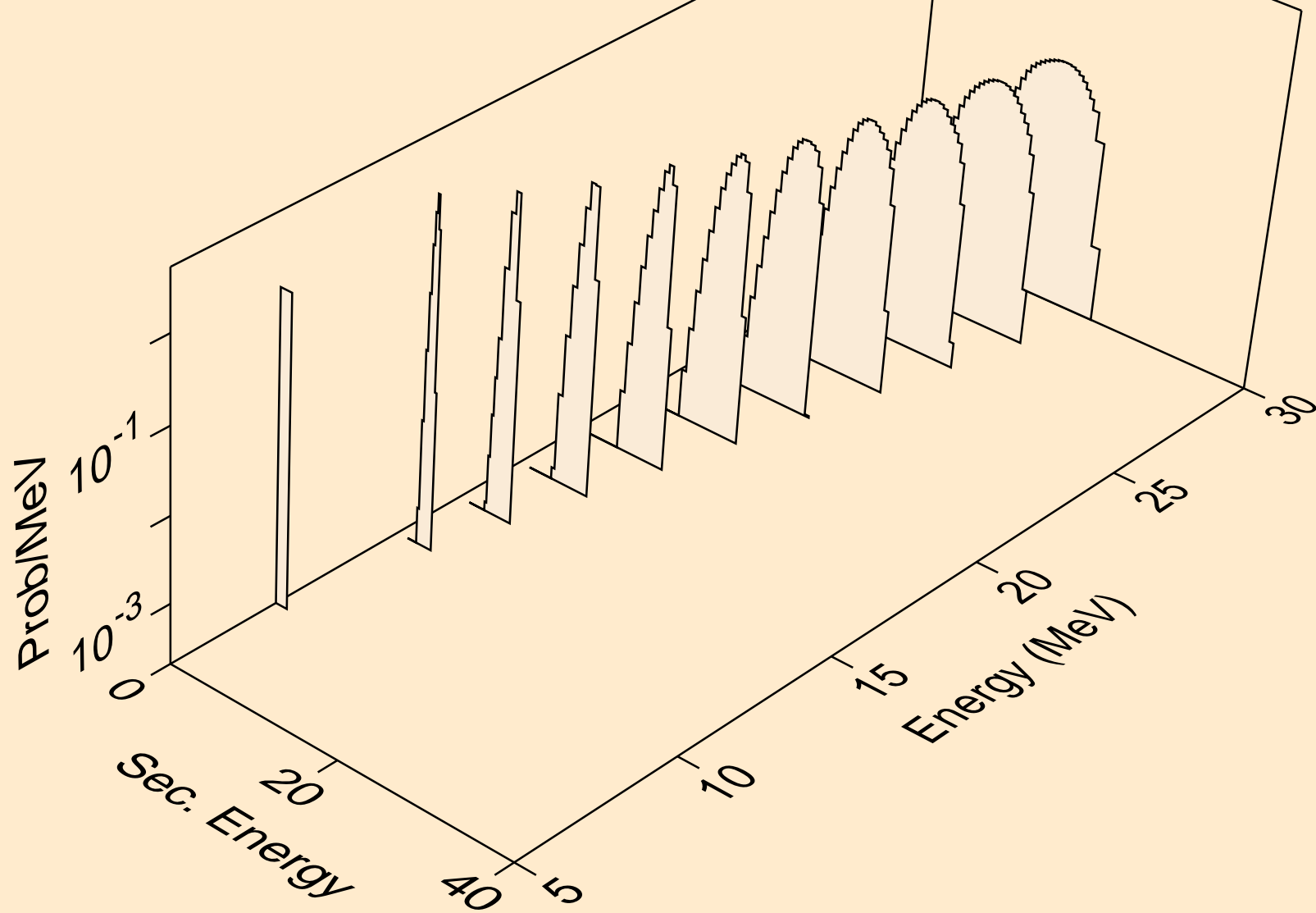
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deuterons from (n,x)



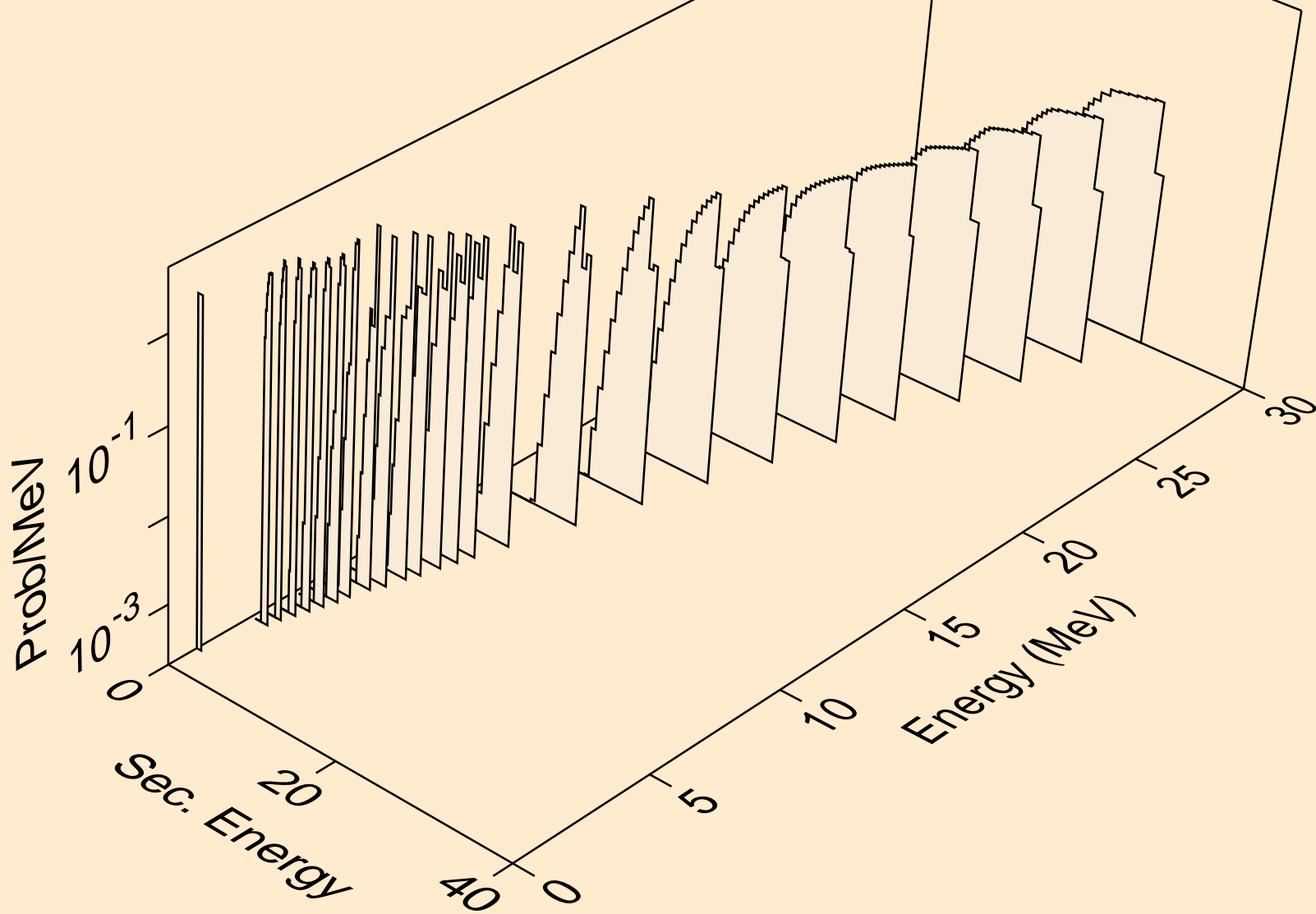
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deuterons from (n,2nd)



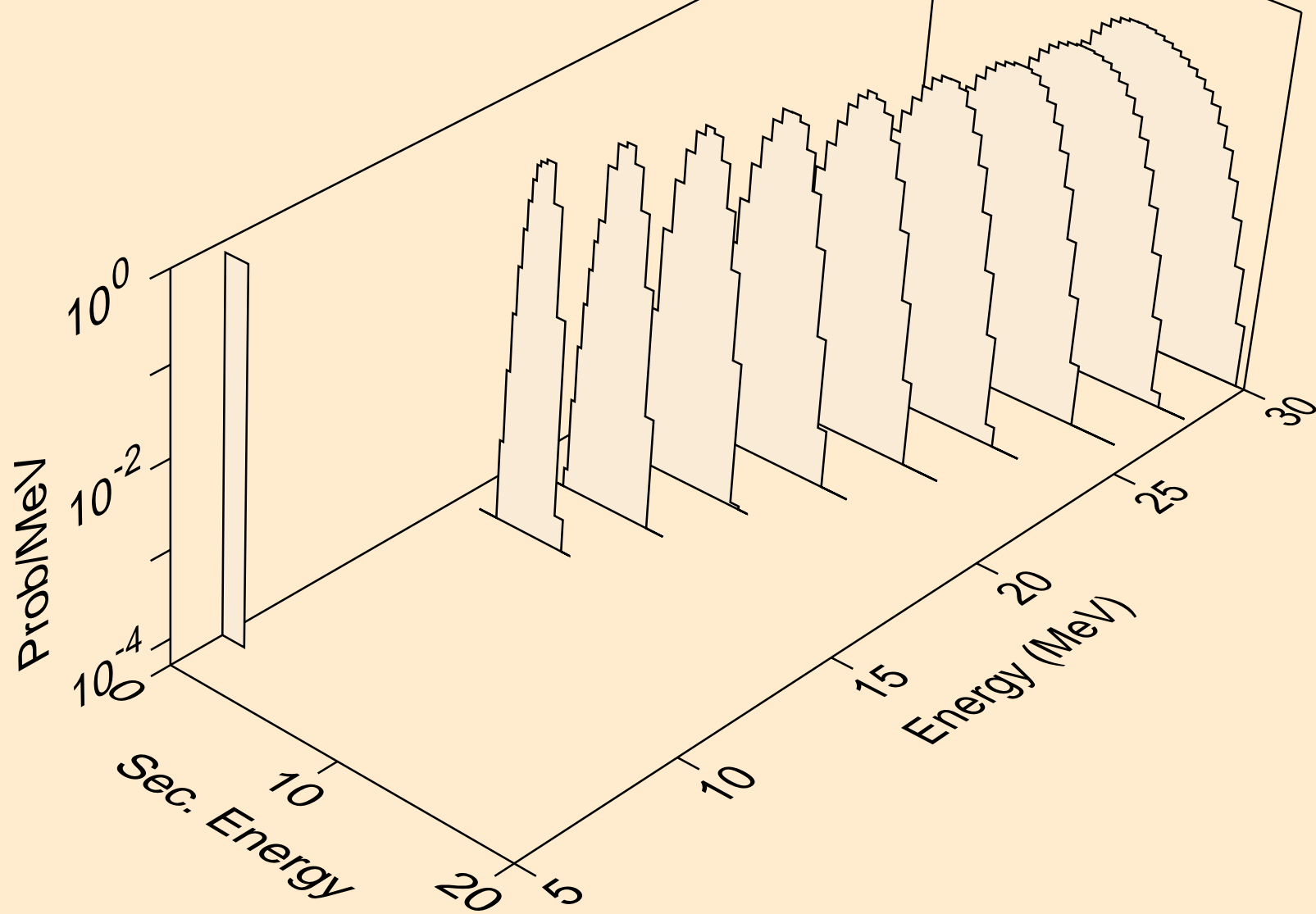
IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,n\*)d



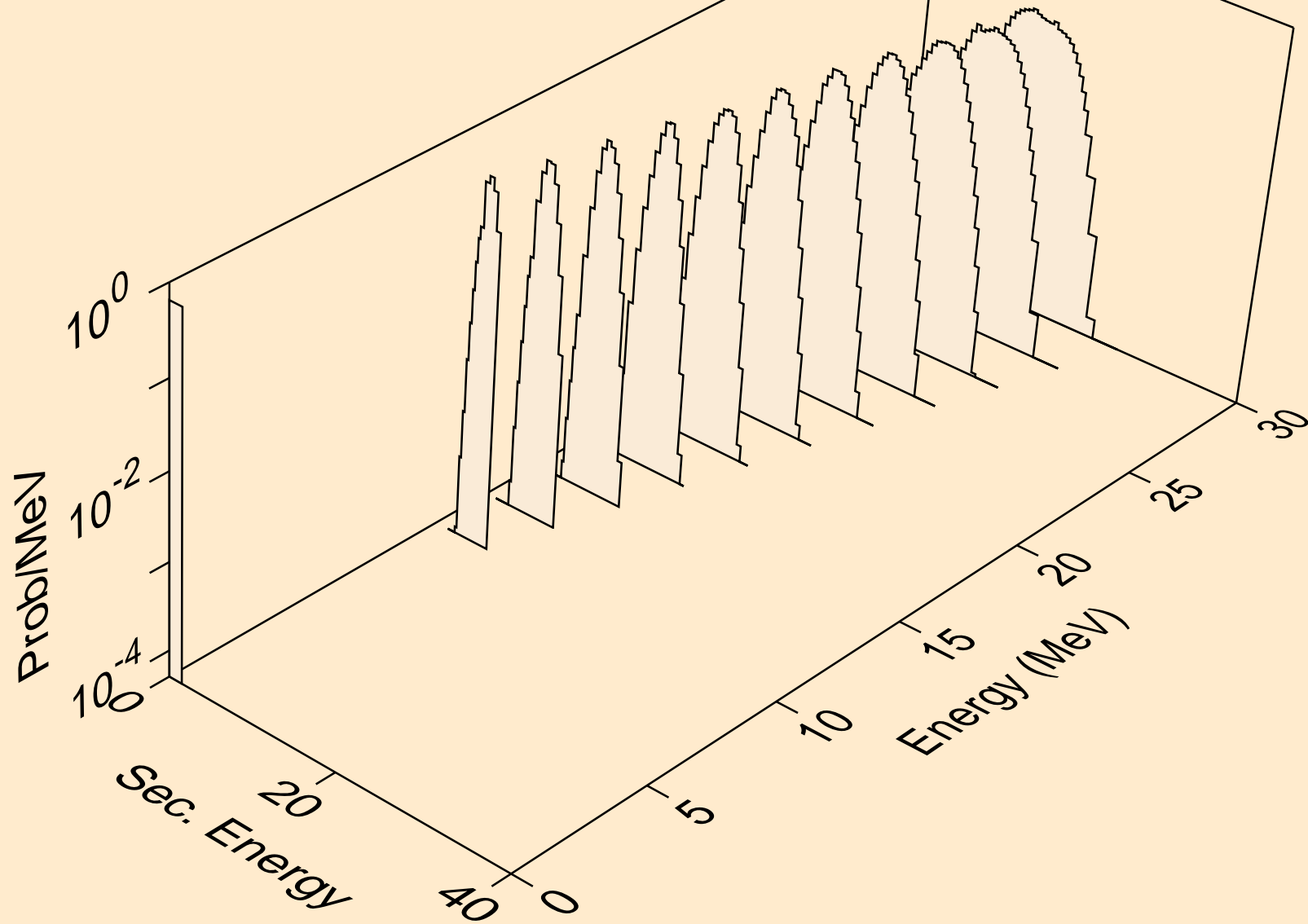
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deuterons from (n,d)



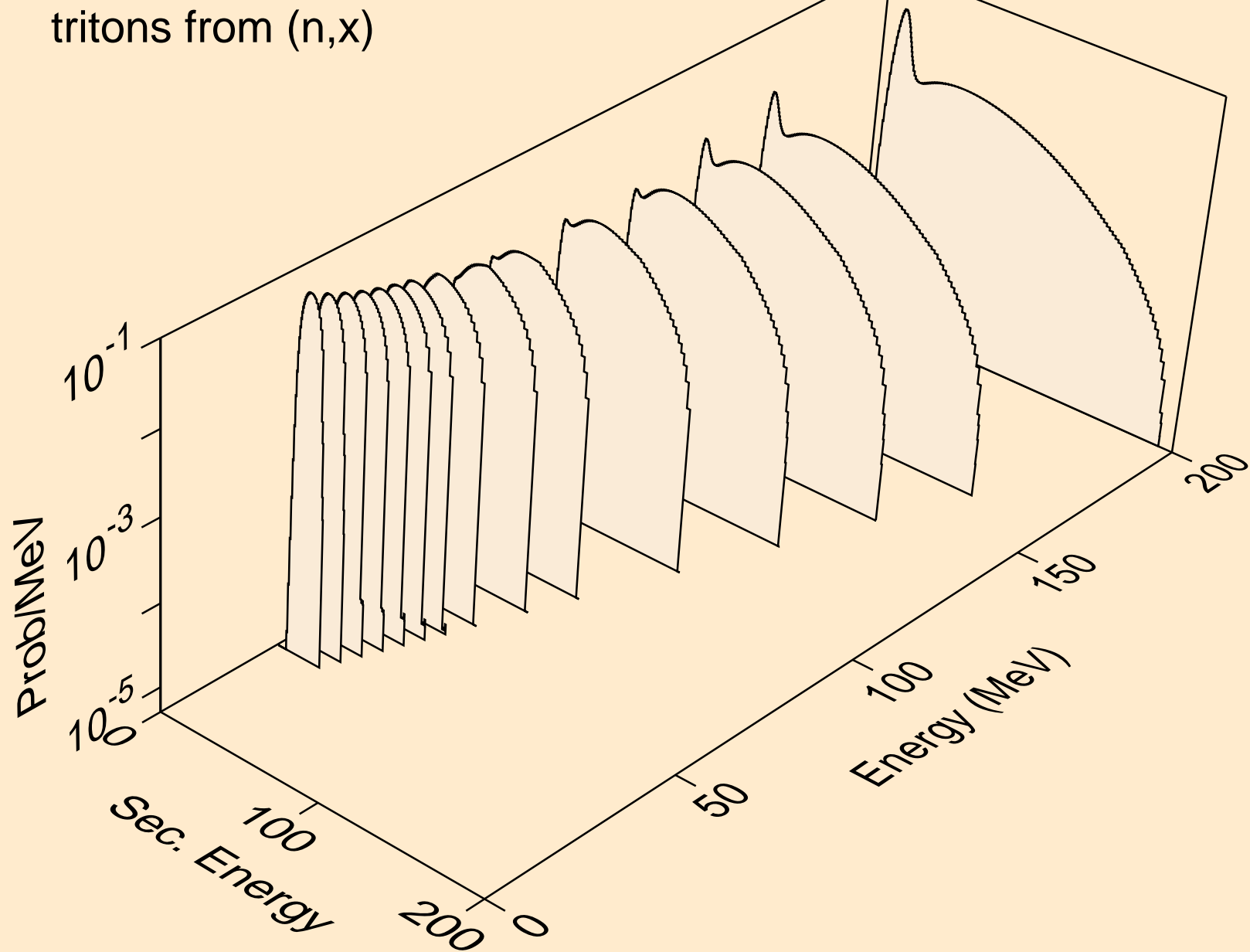
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deuterons from (n,pd)



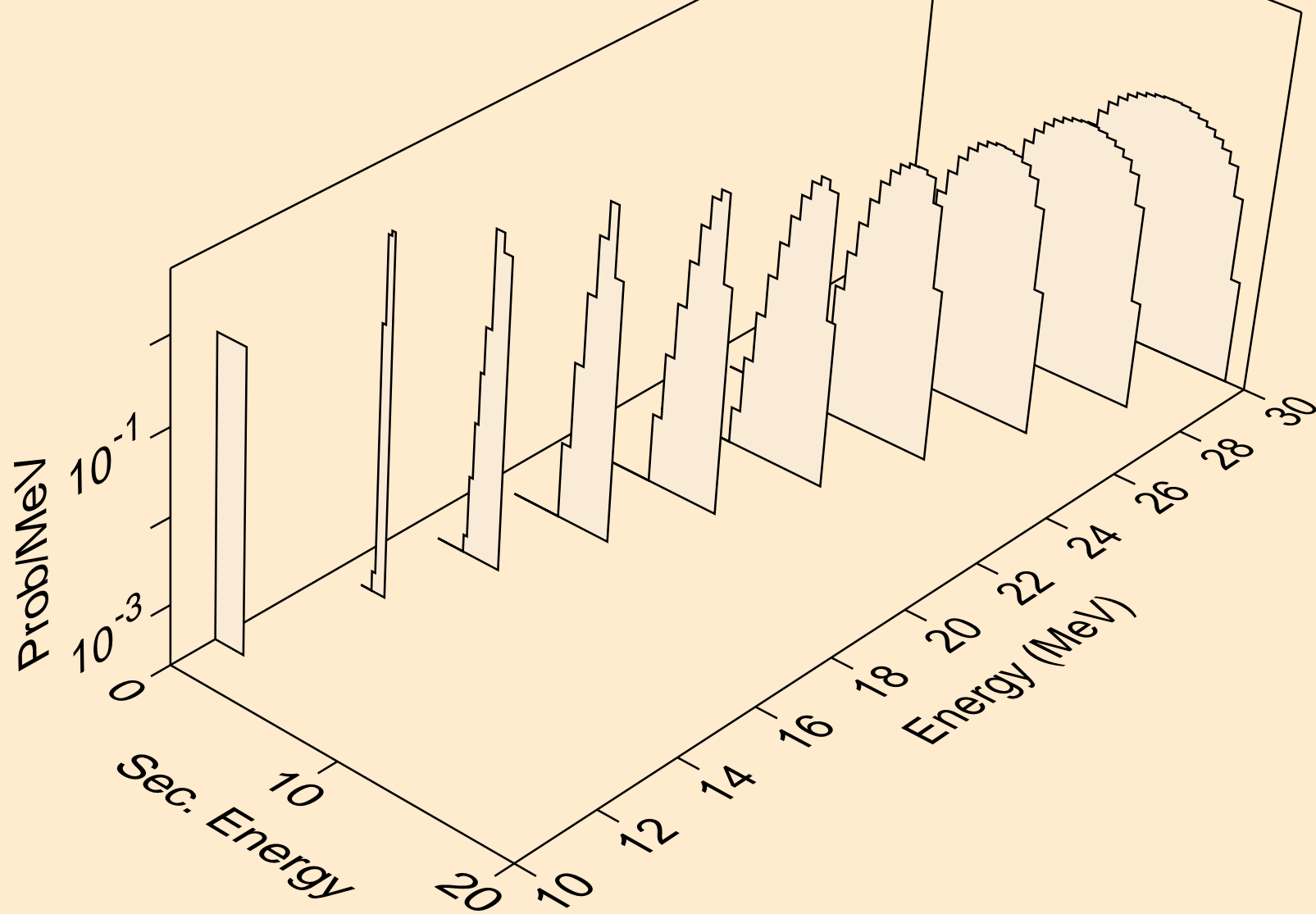
IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,da)



IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,x)

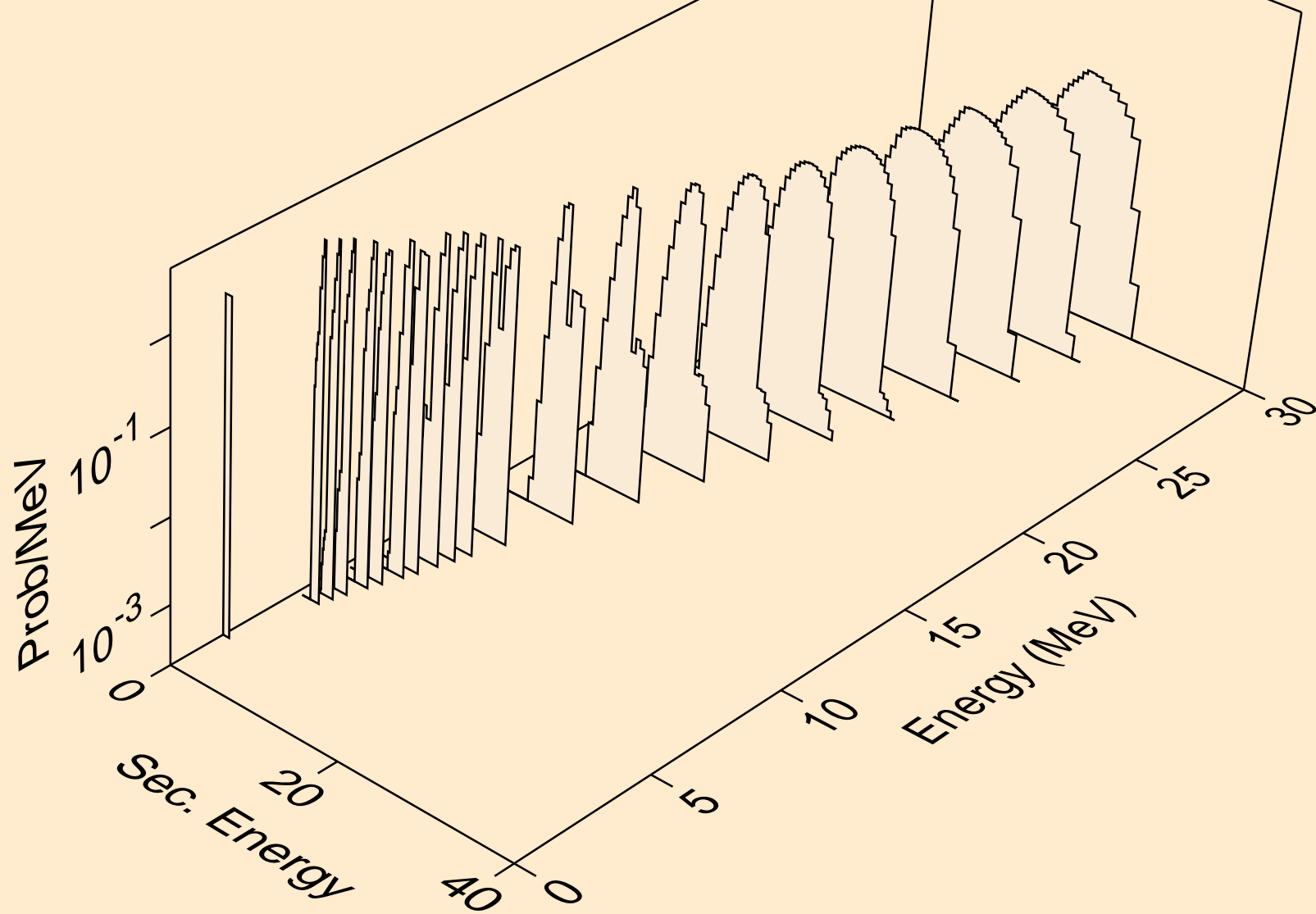


IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,n\*)t

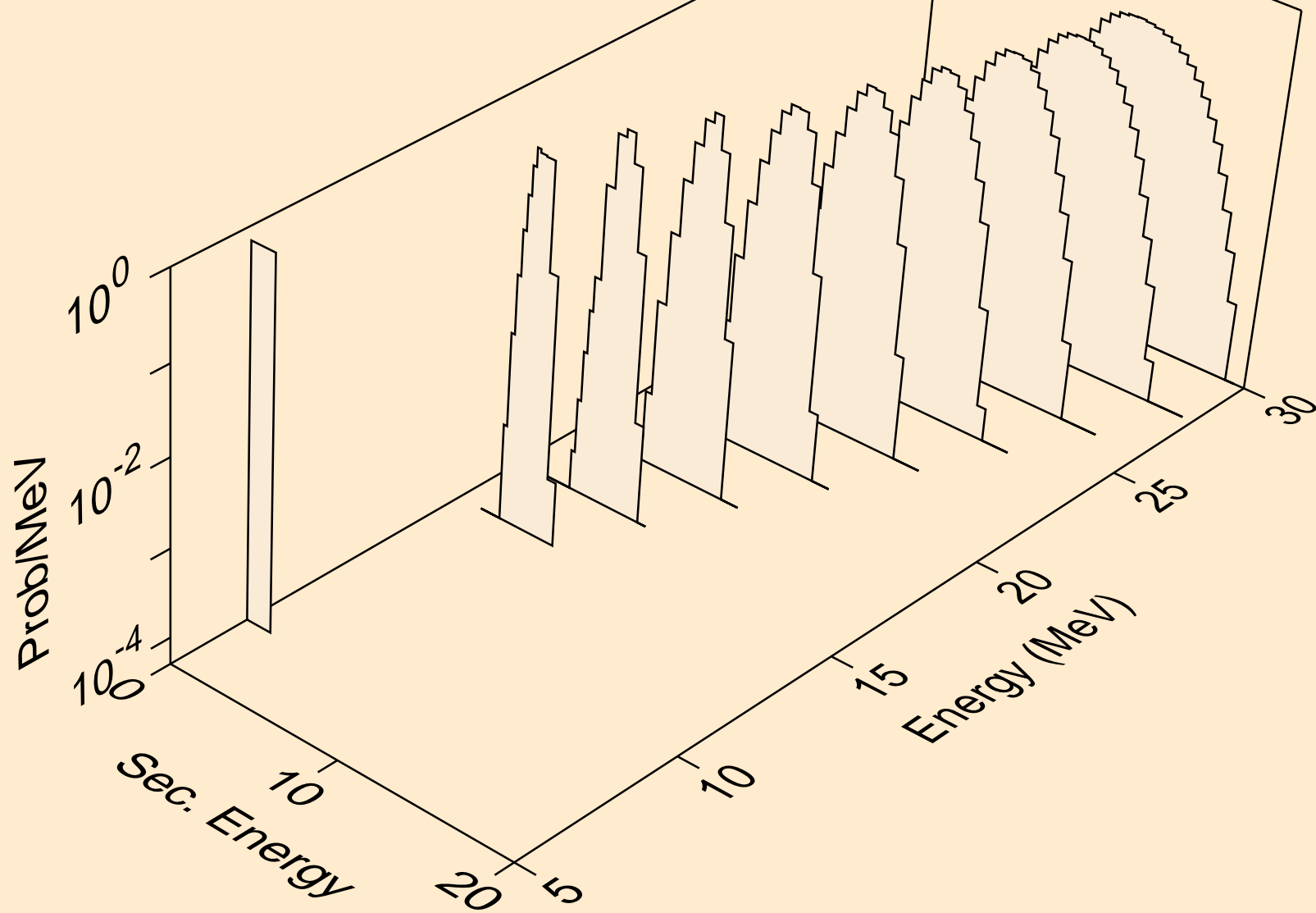




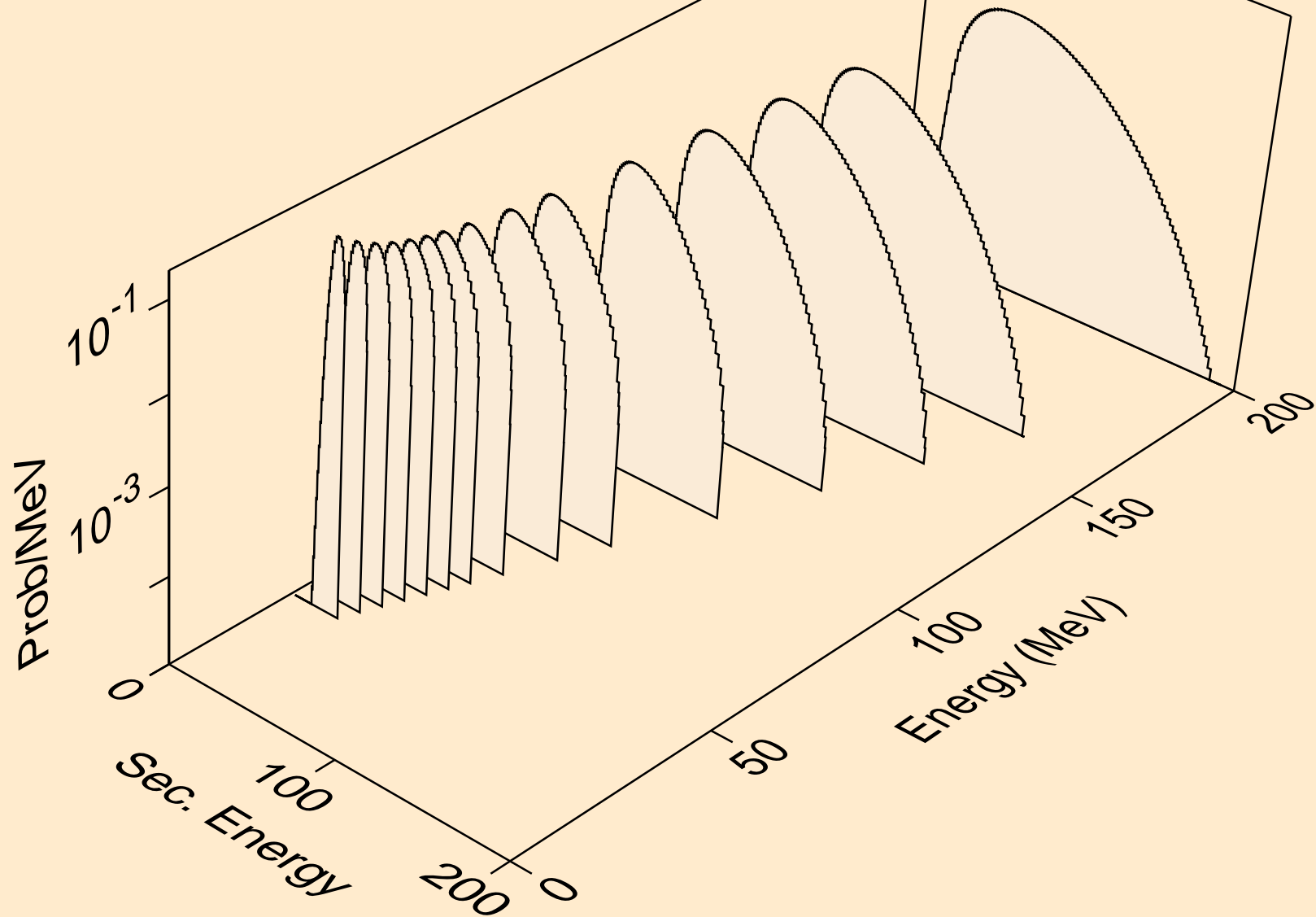
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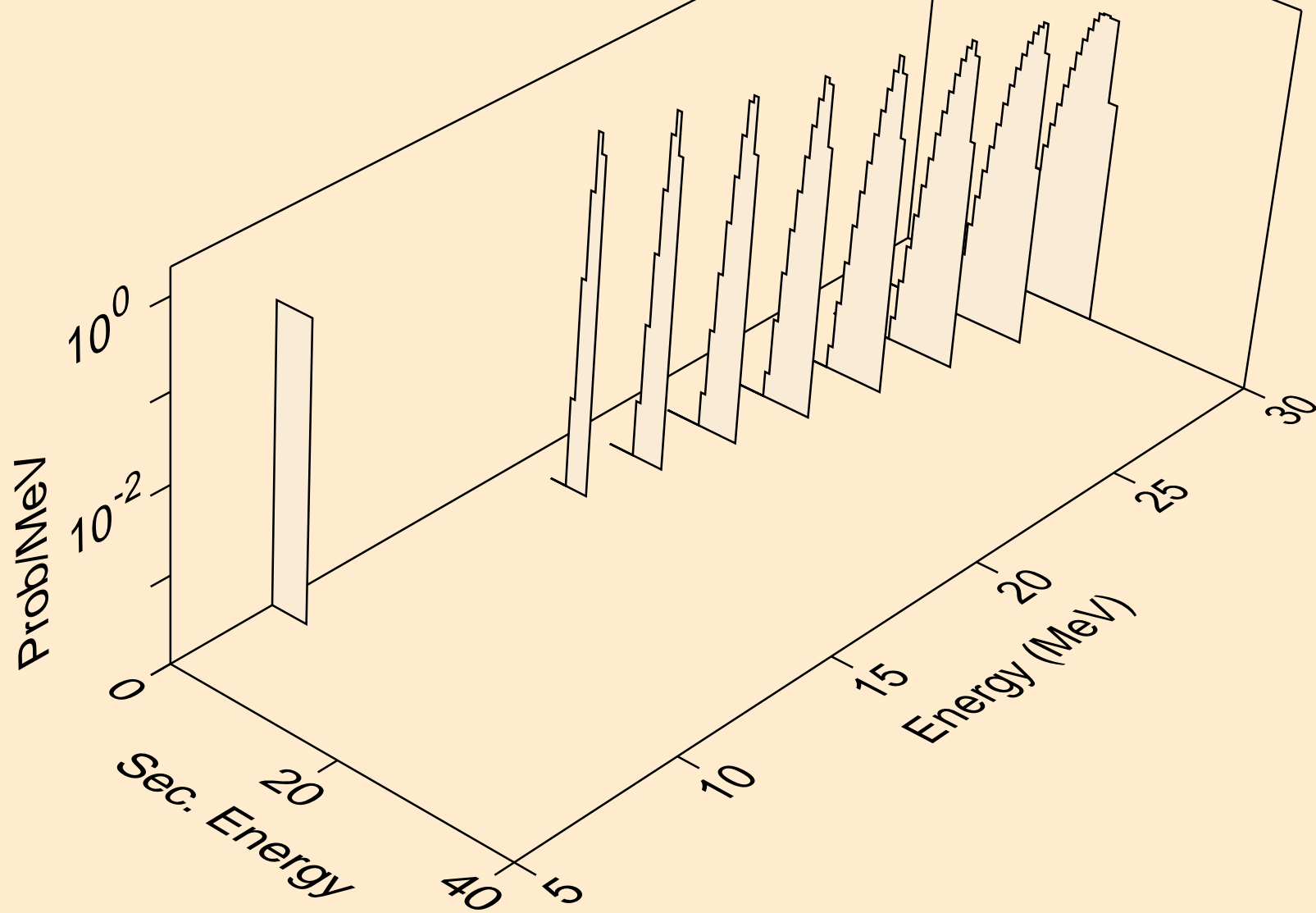
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tritons from (n,pt)



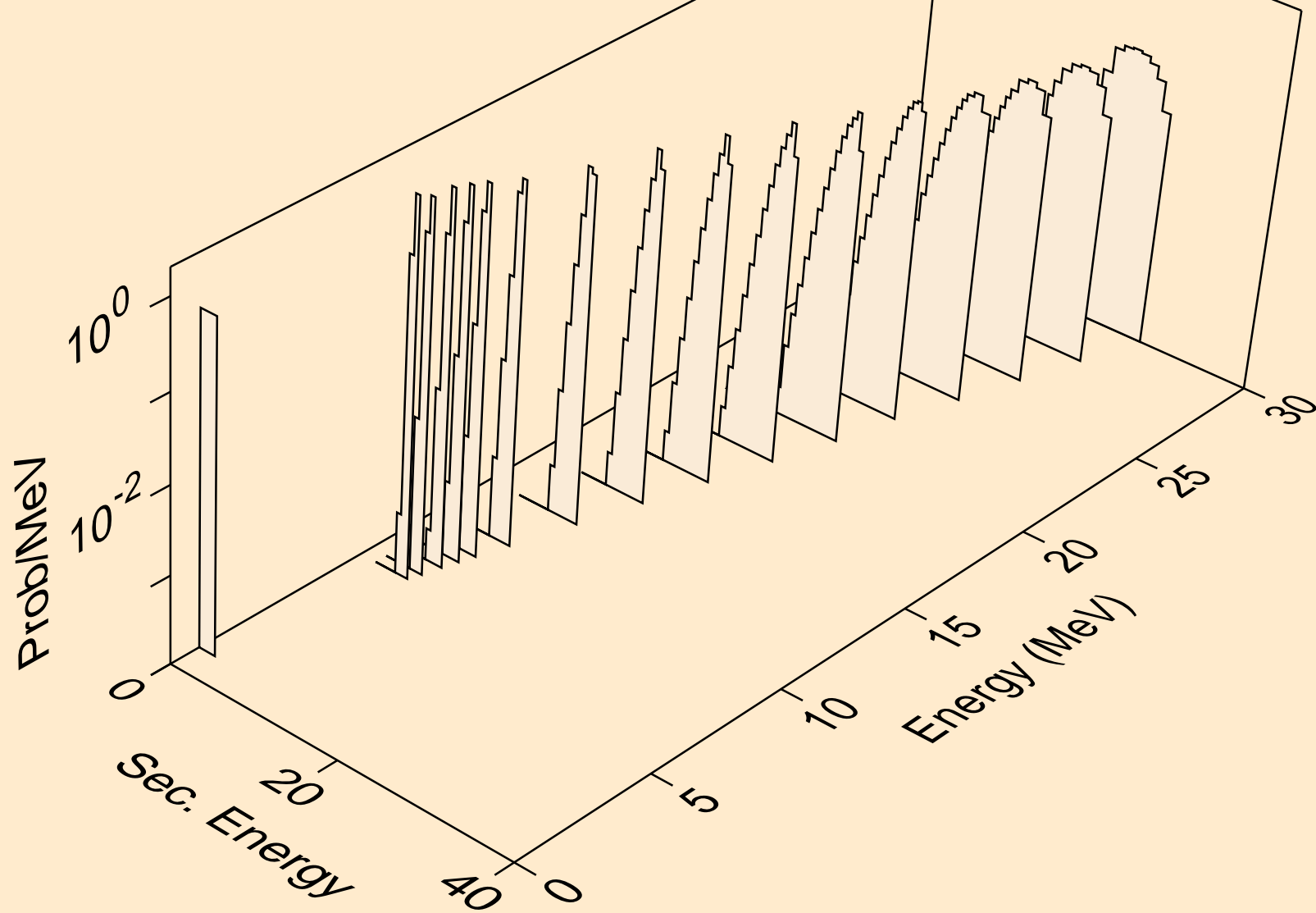
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he3s from (n,x)



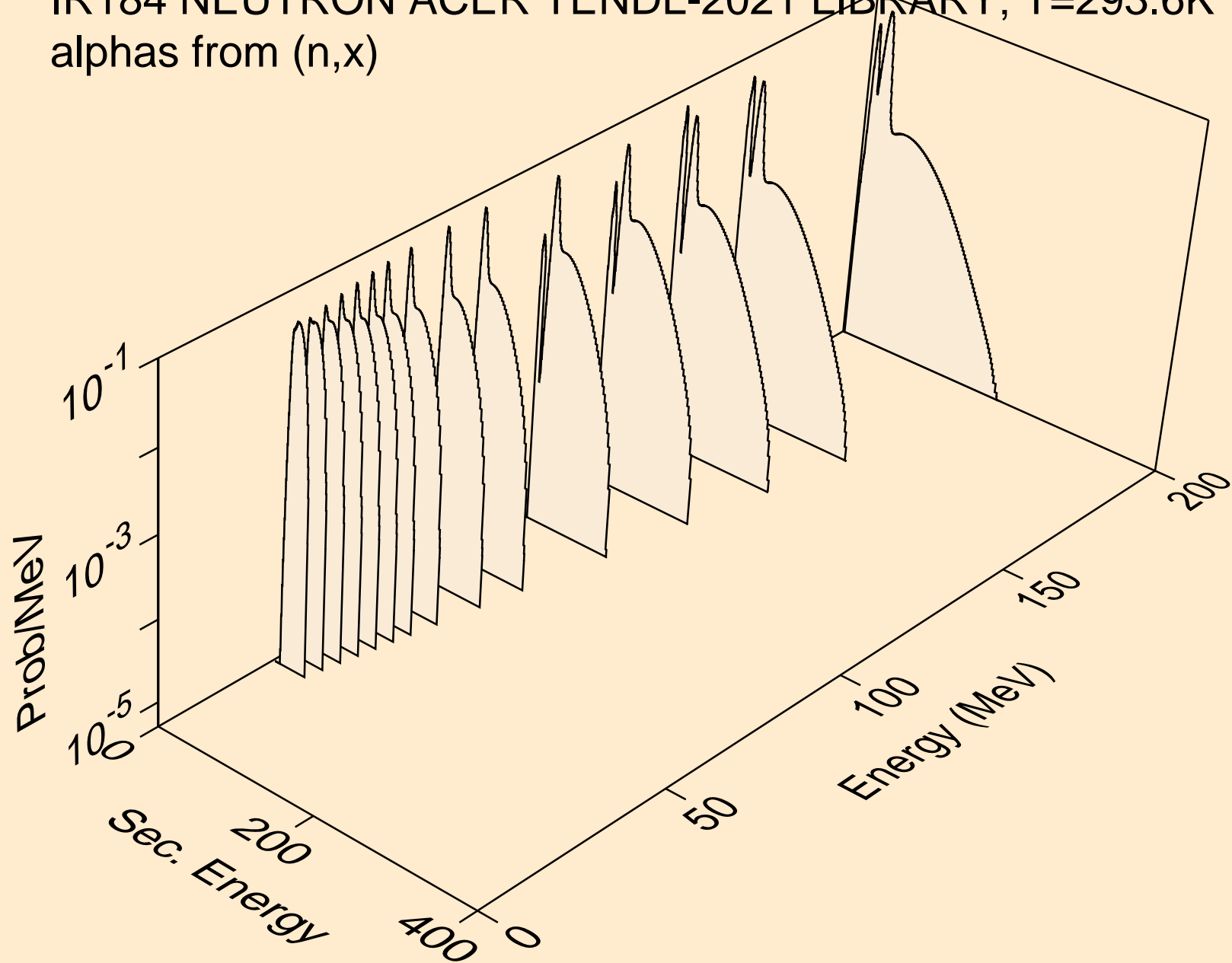
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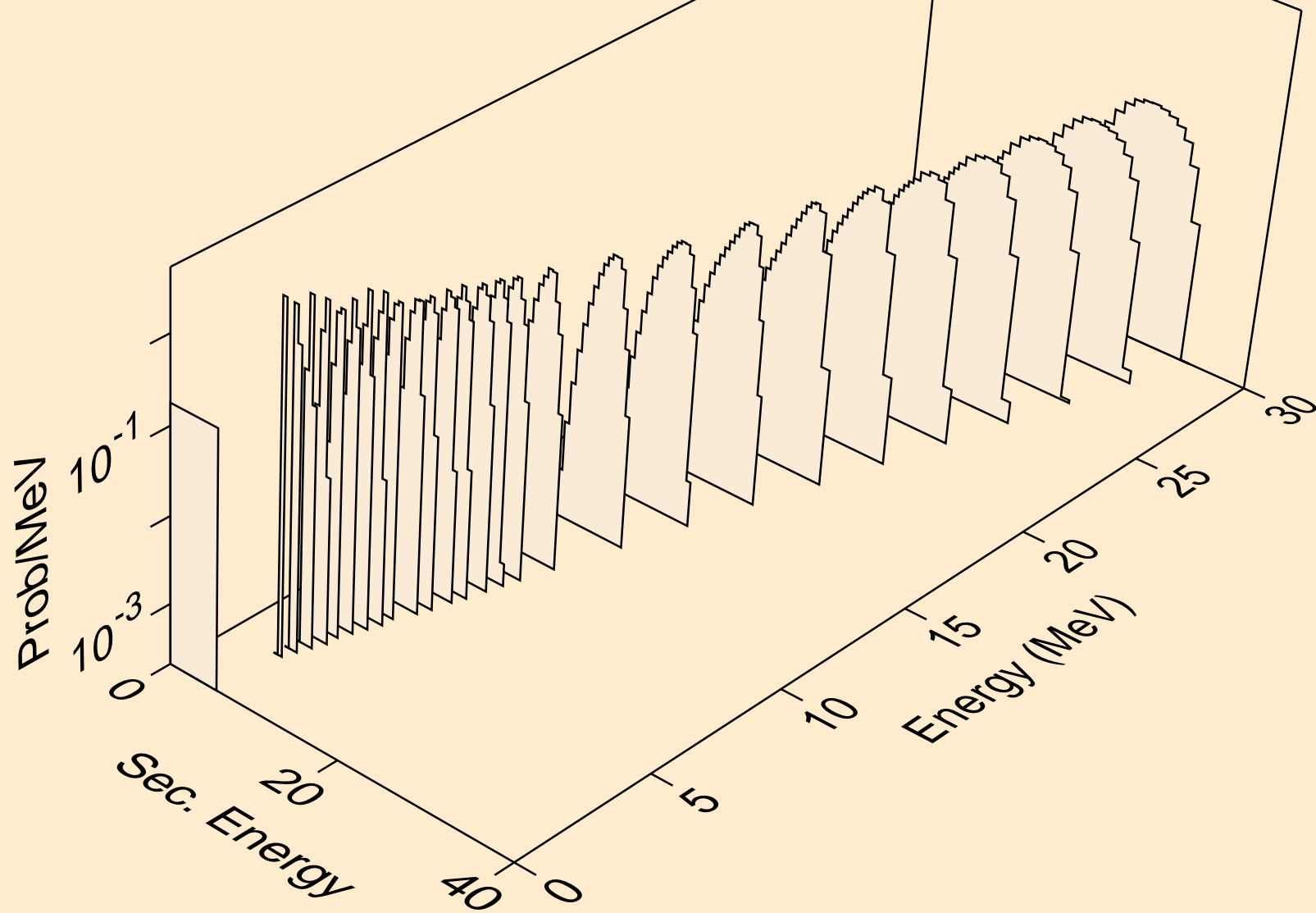
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he3s from (n,he3)



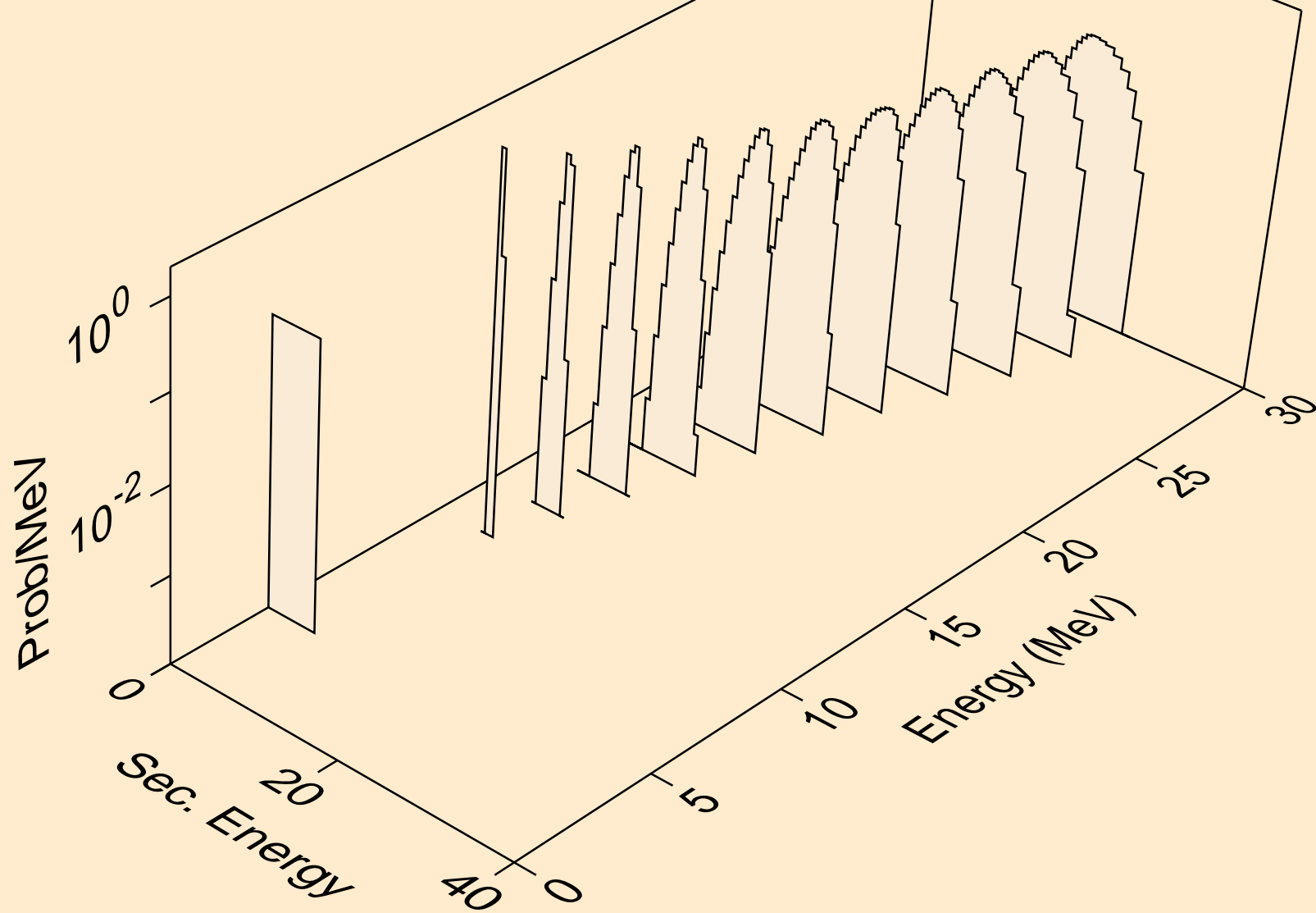
IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,x)



IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,n\*)a

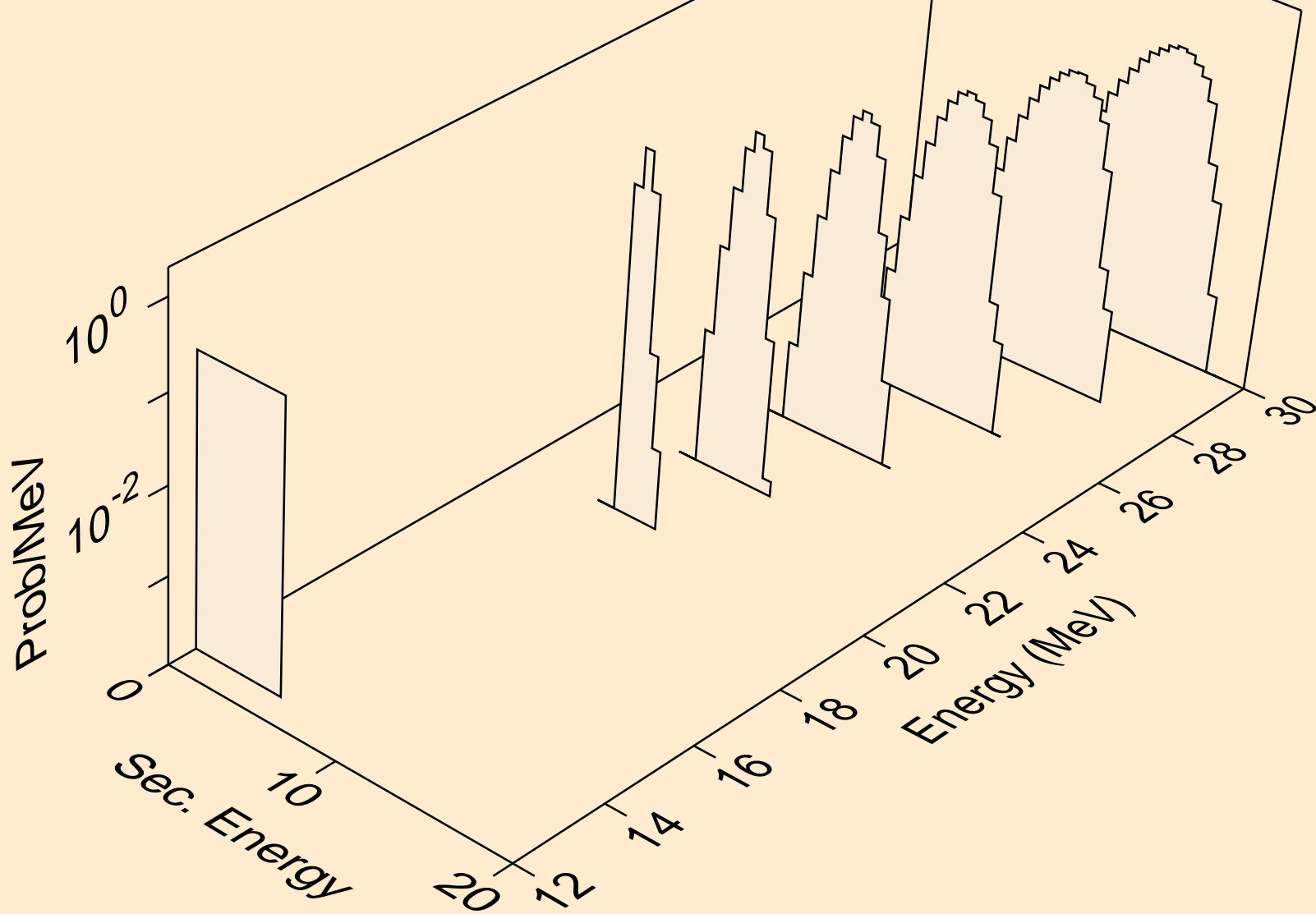


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alphas from (n,2n)a

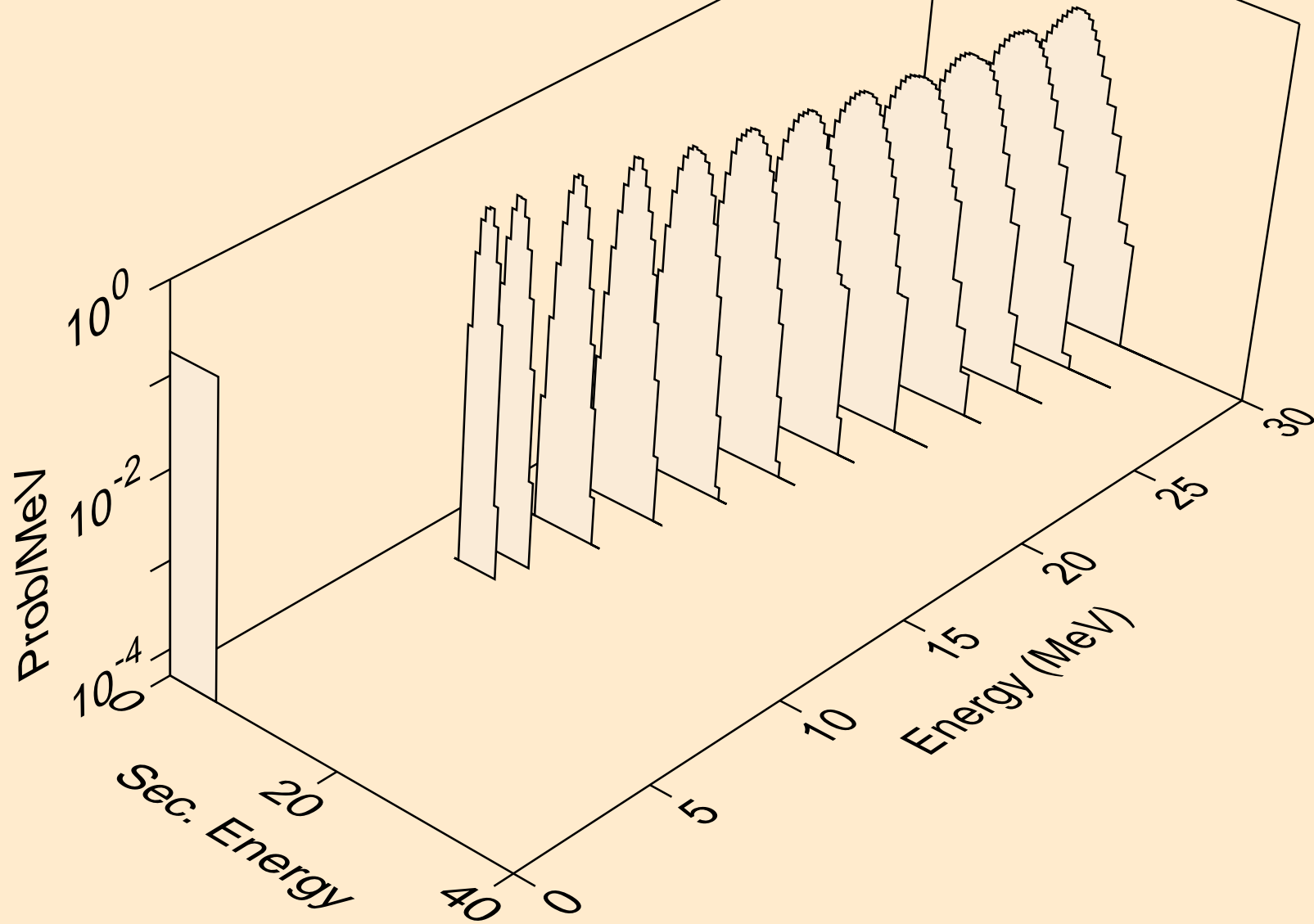




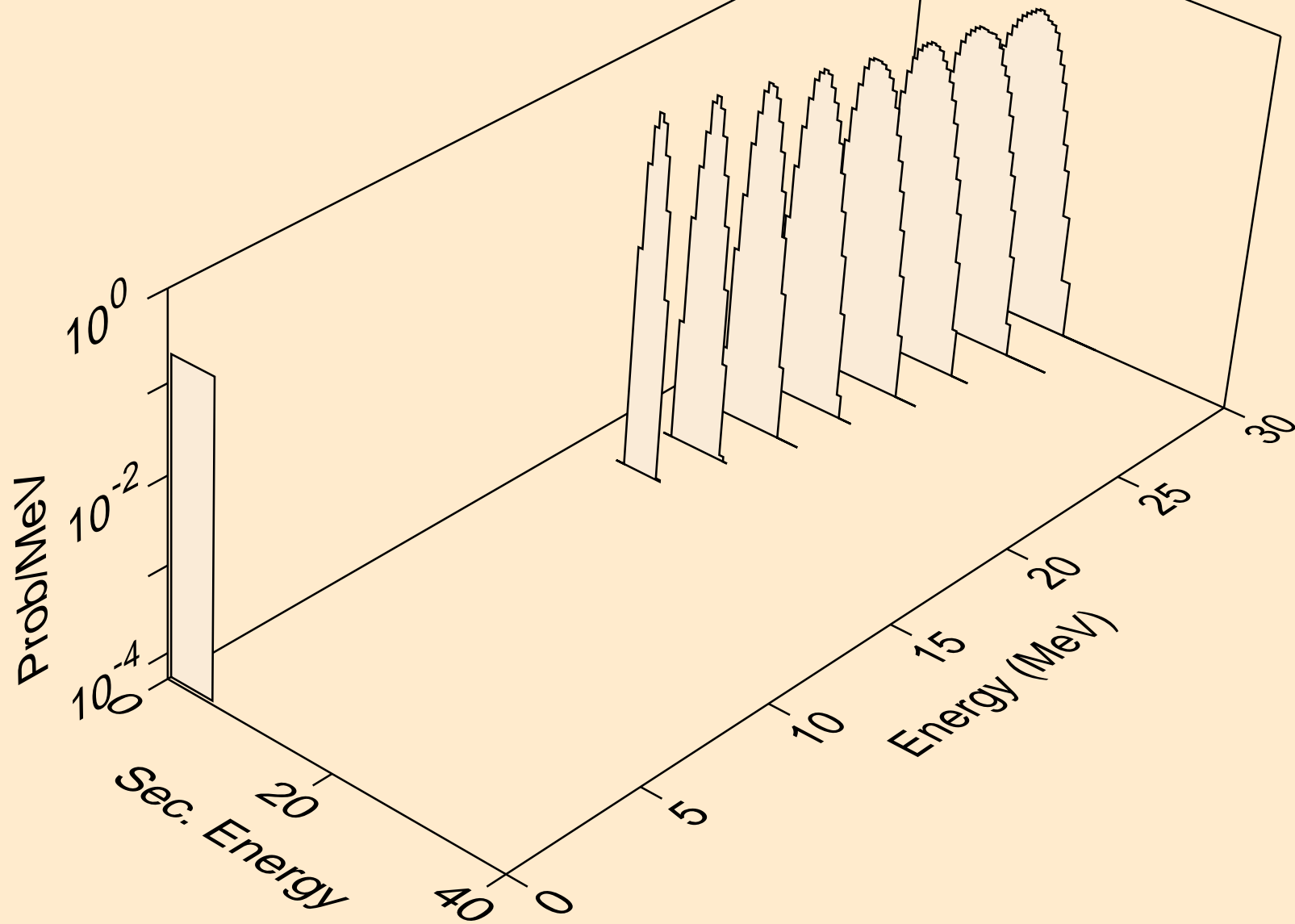
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alphas from (n,3n)a



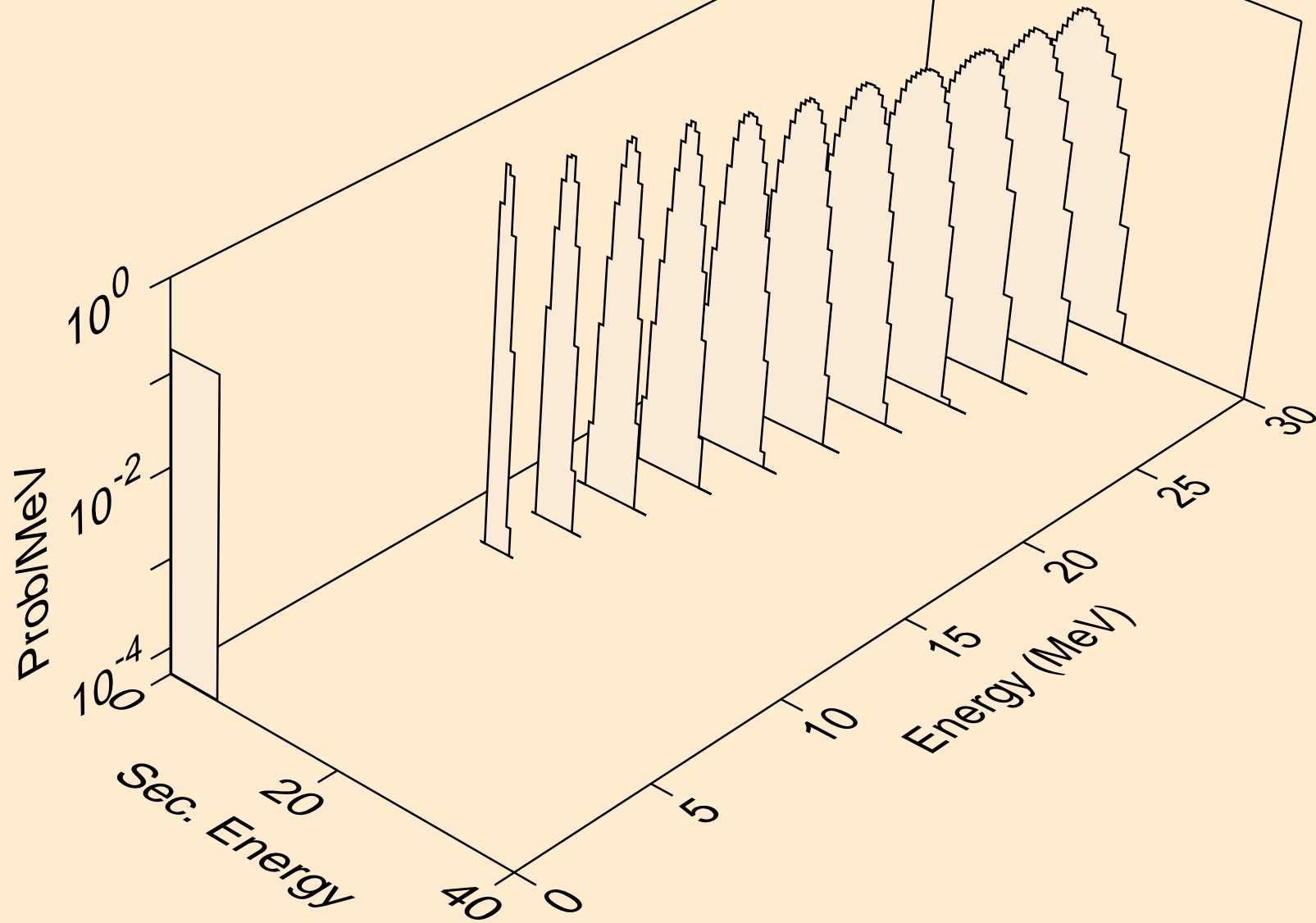
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alphas from (n,n\*)2a



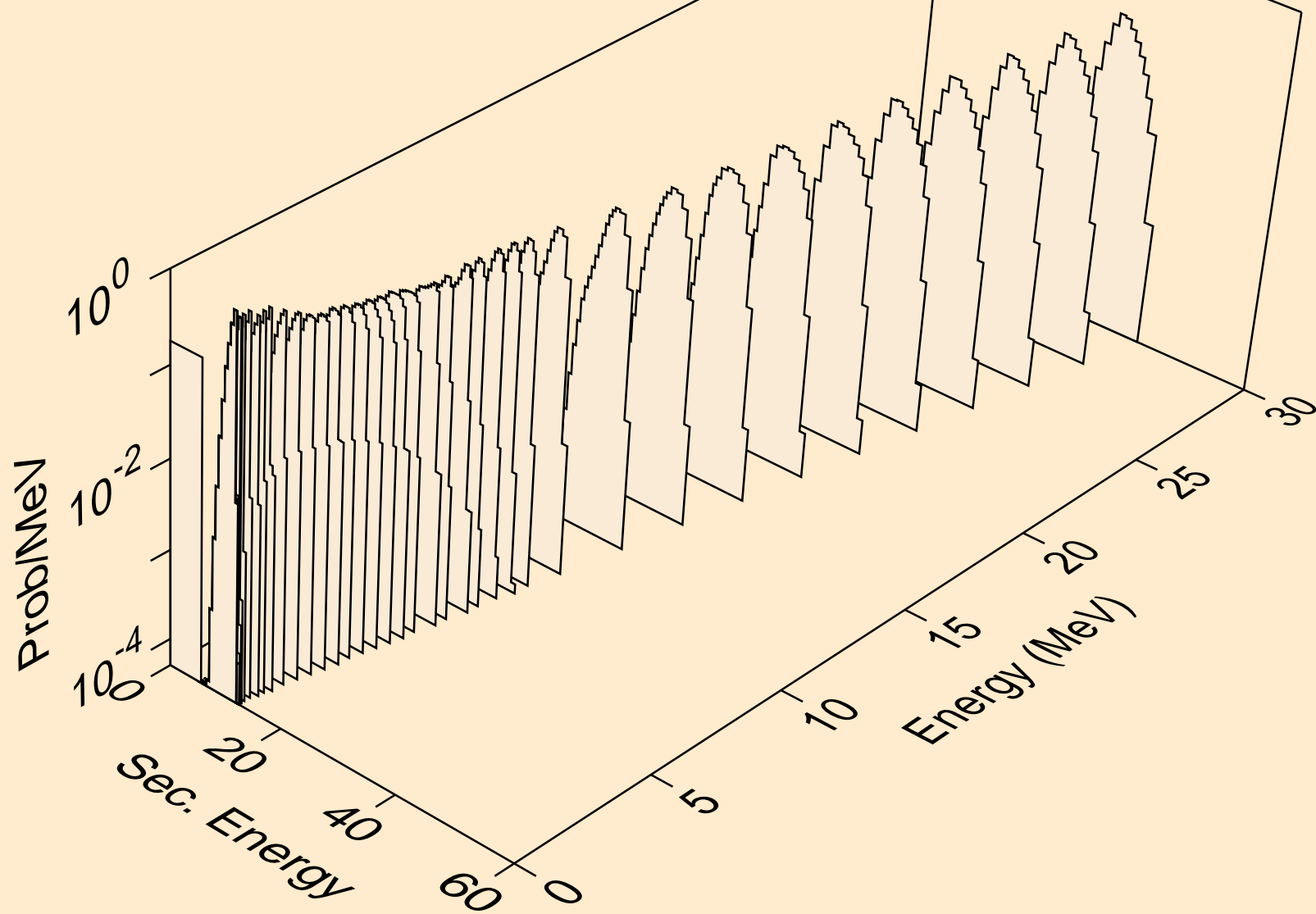
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alphas from (n,2n)2a



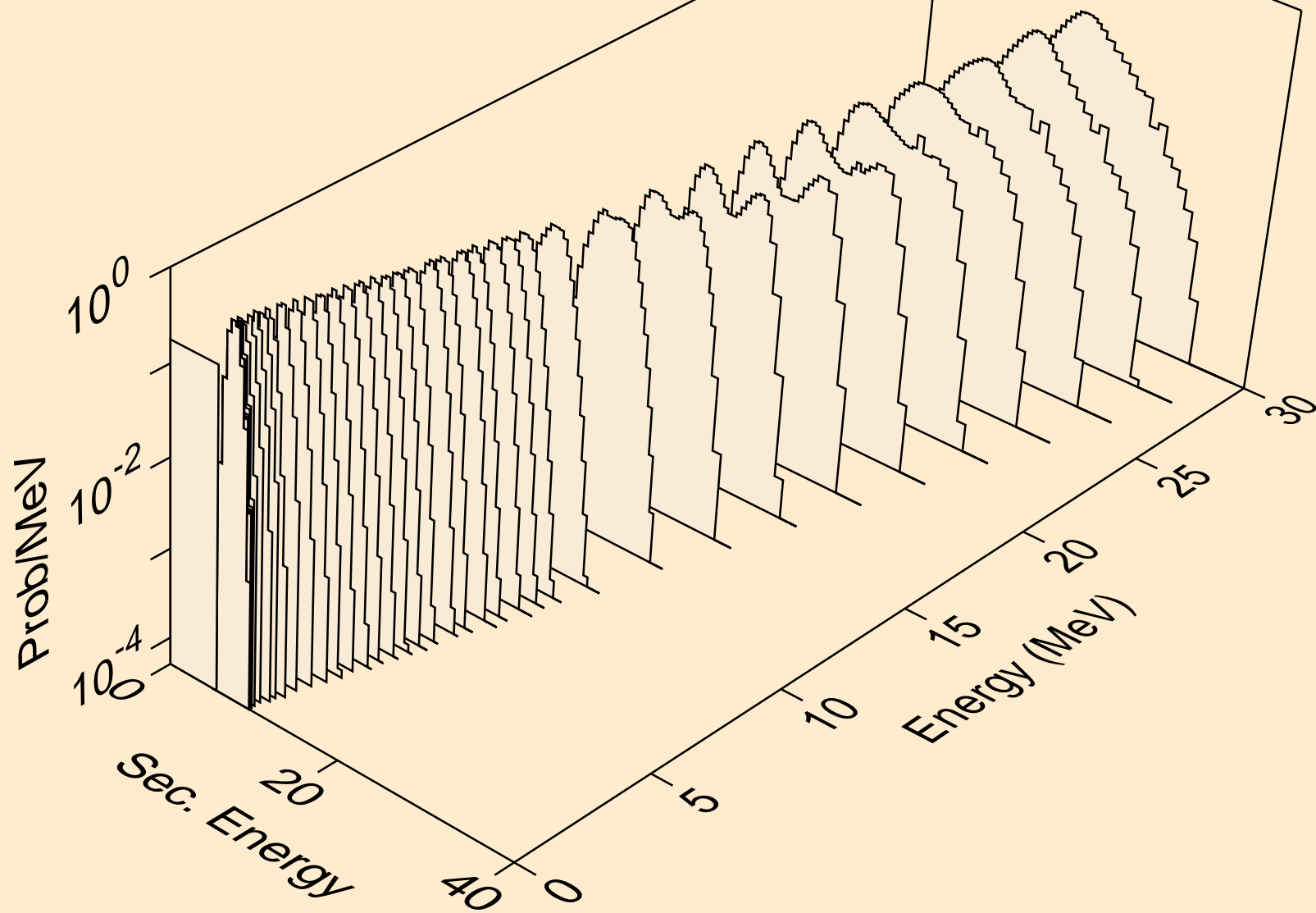
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alphas from (n,npa)



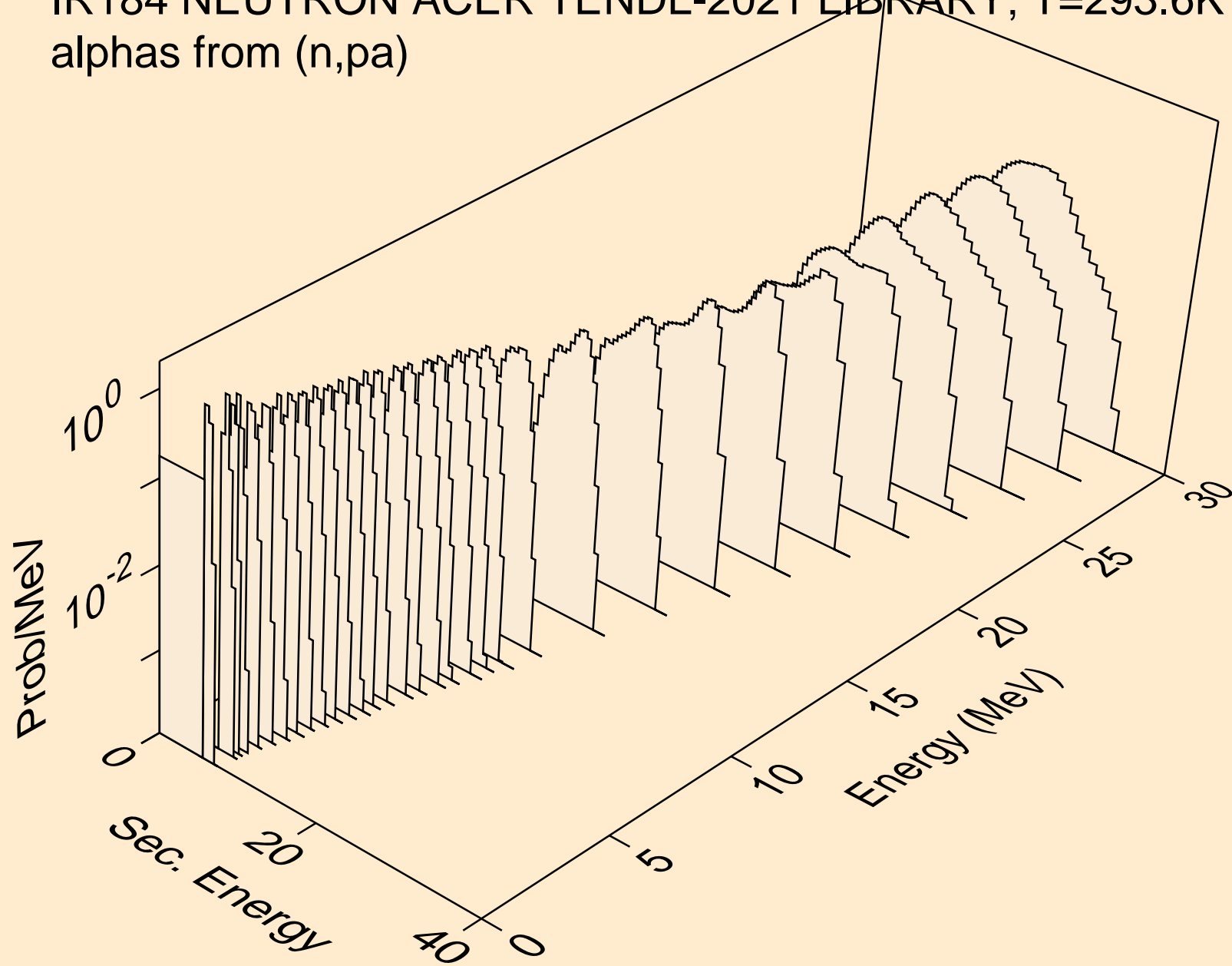
IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,a)



IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2a)



IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,pa)



IR184 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,da)

