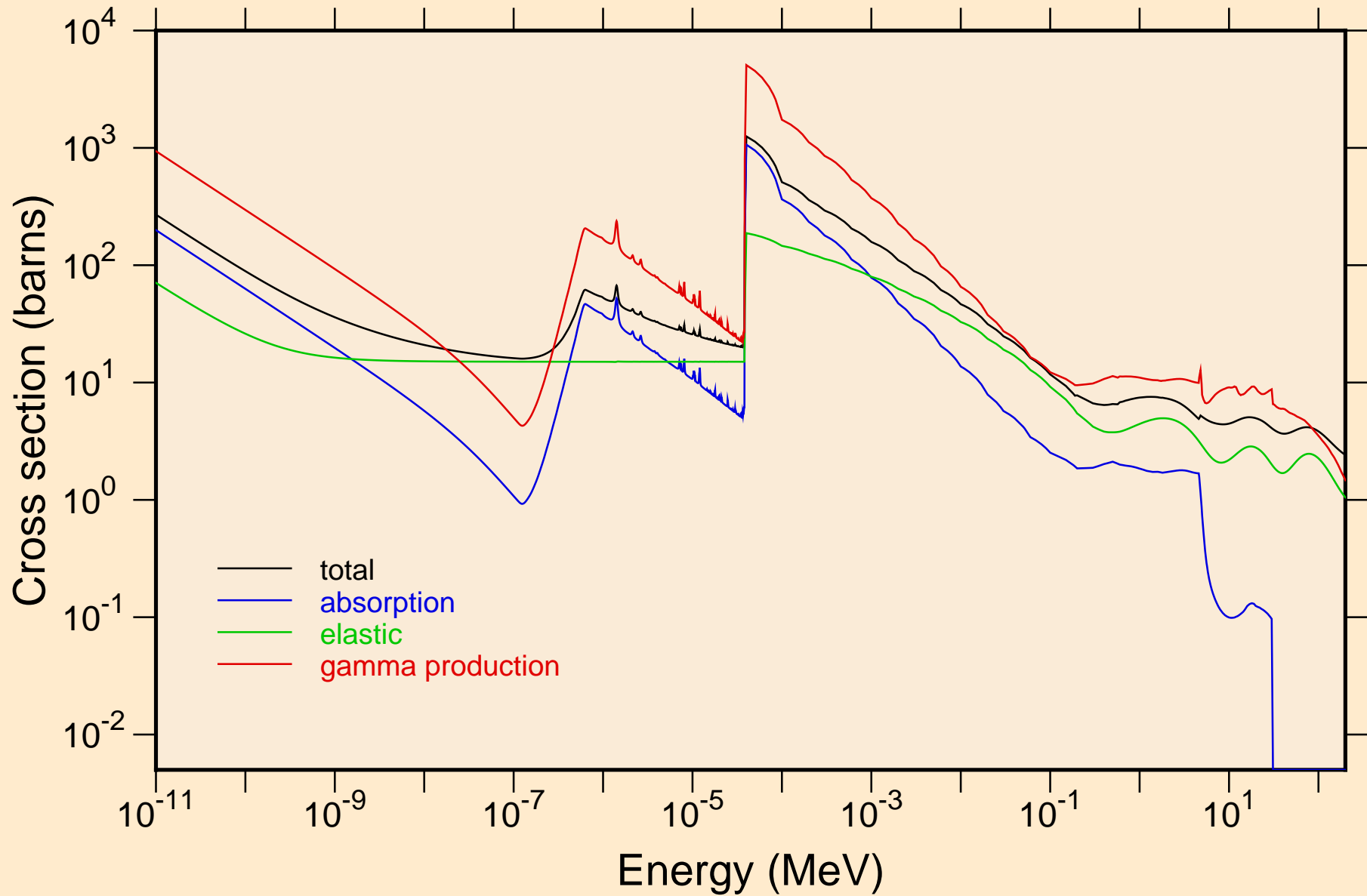
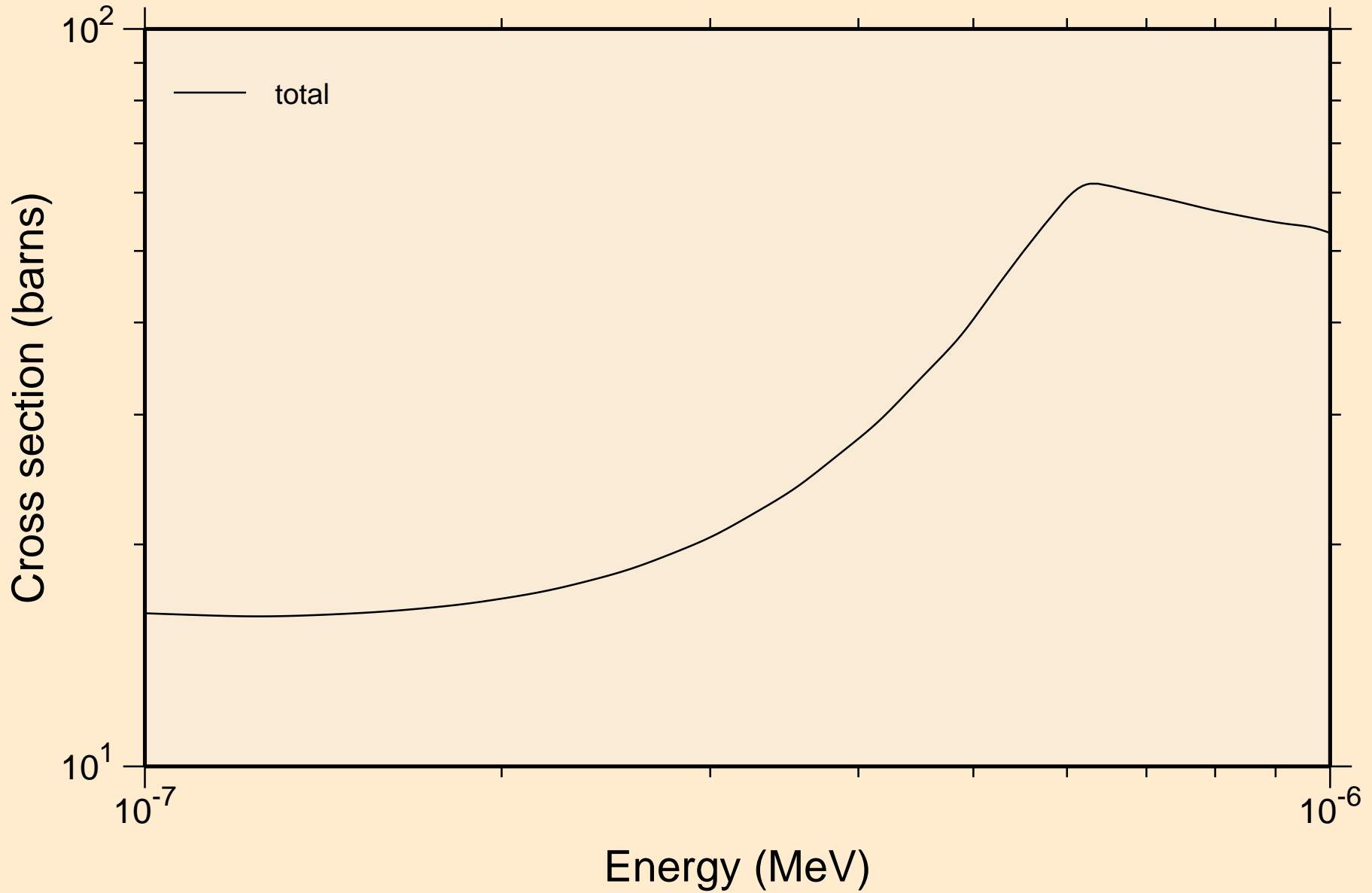


# HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

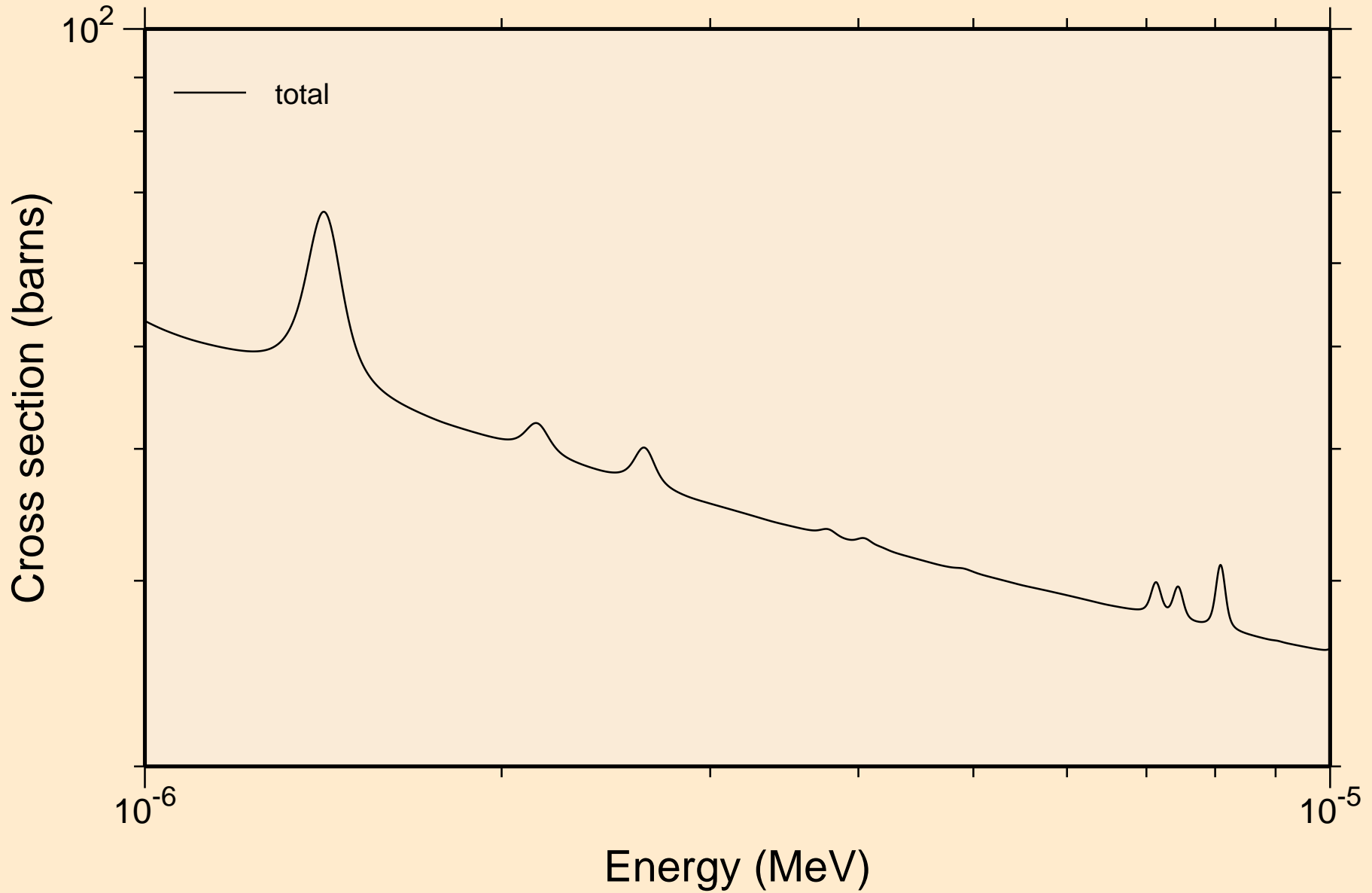
## Principal cross sections



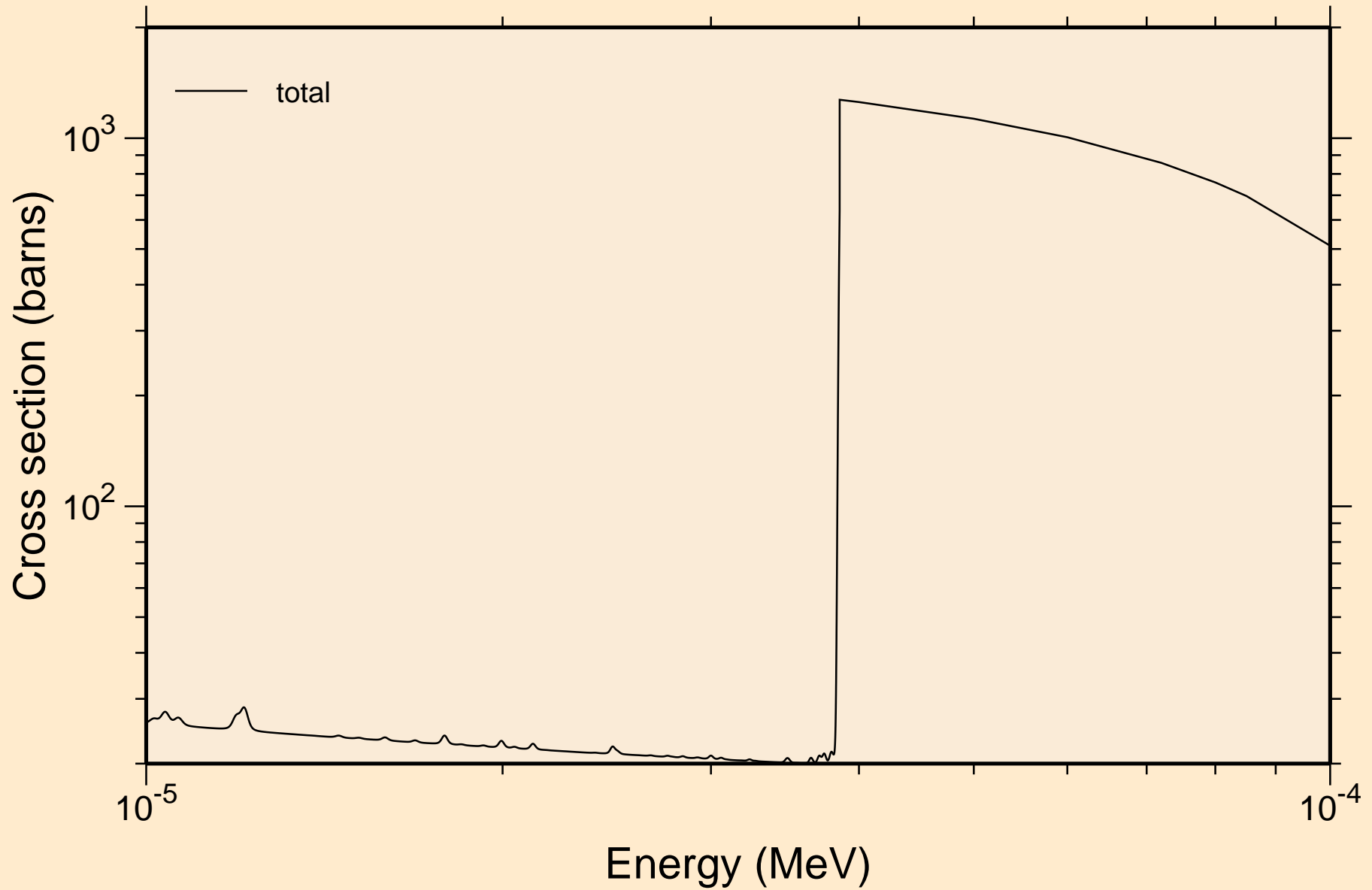
HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



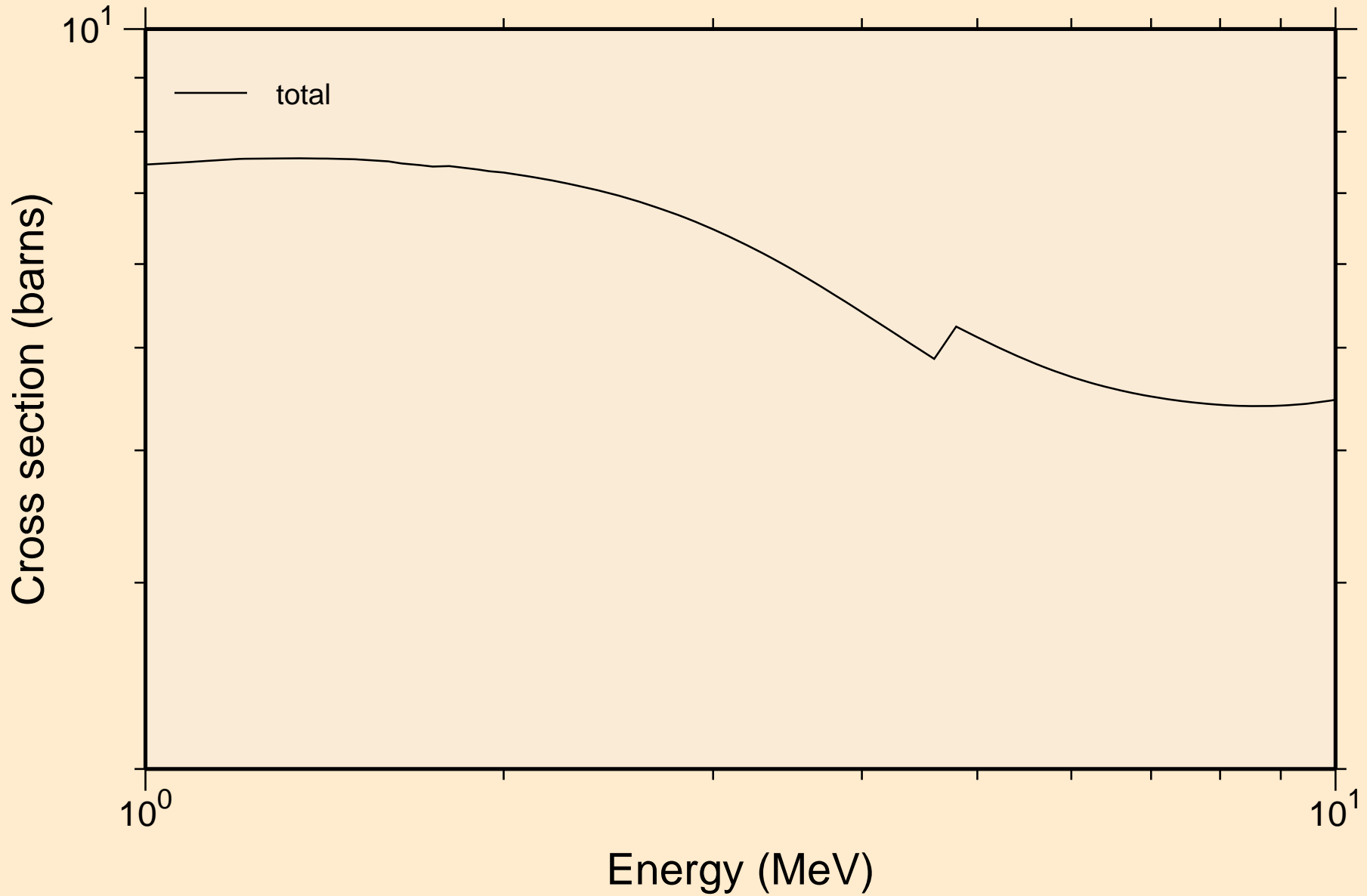
HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



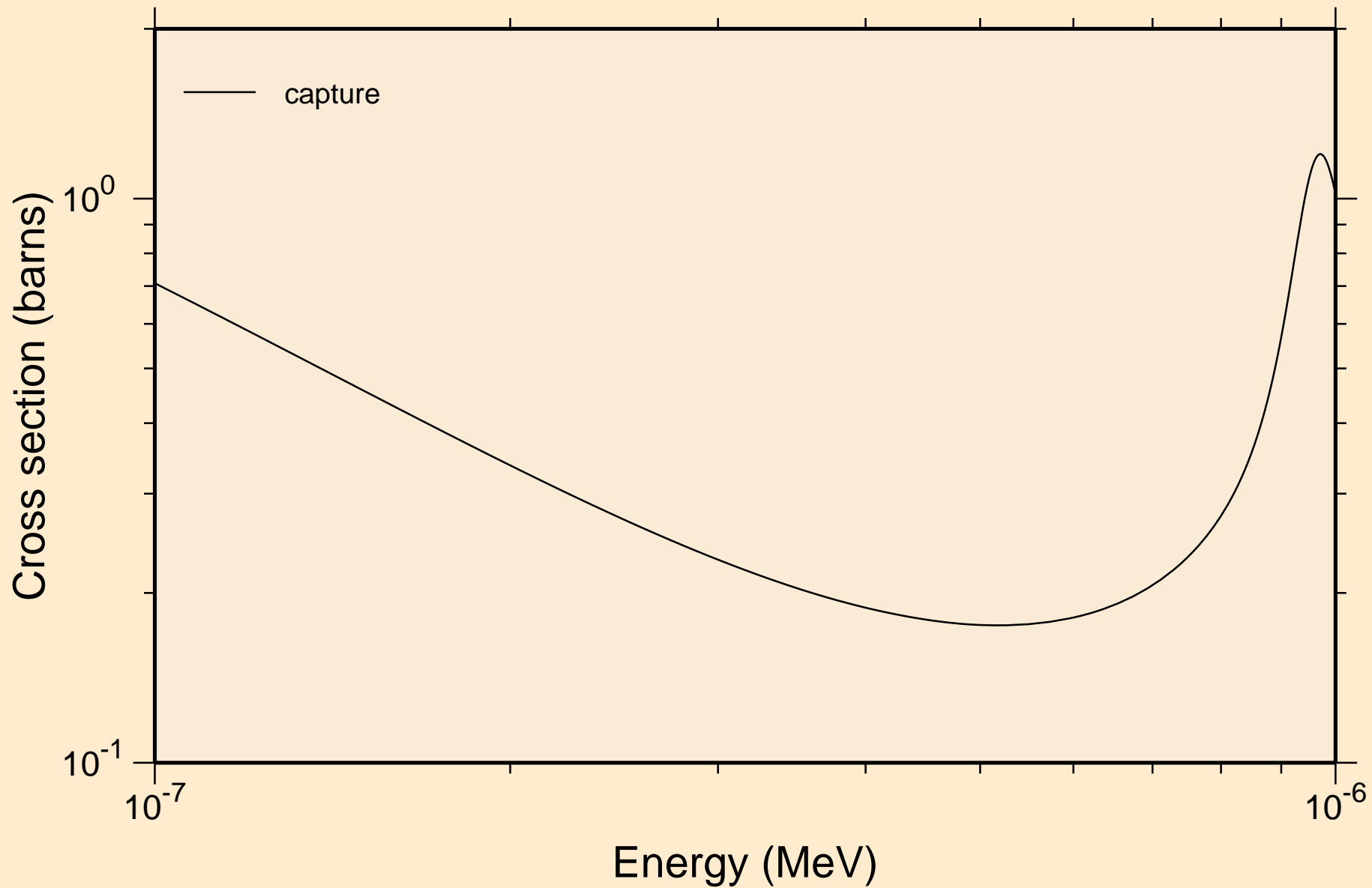
HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



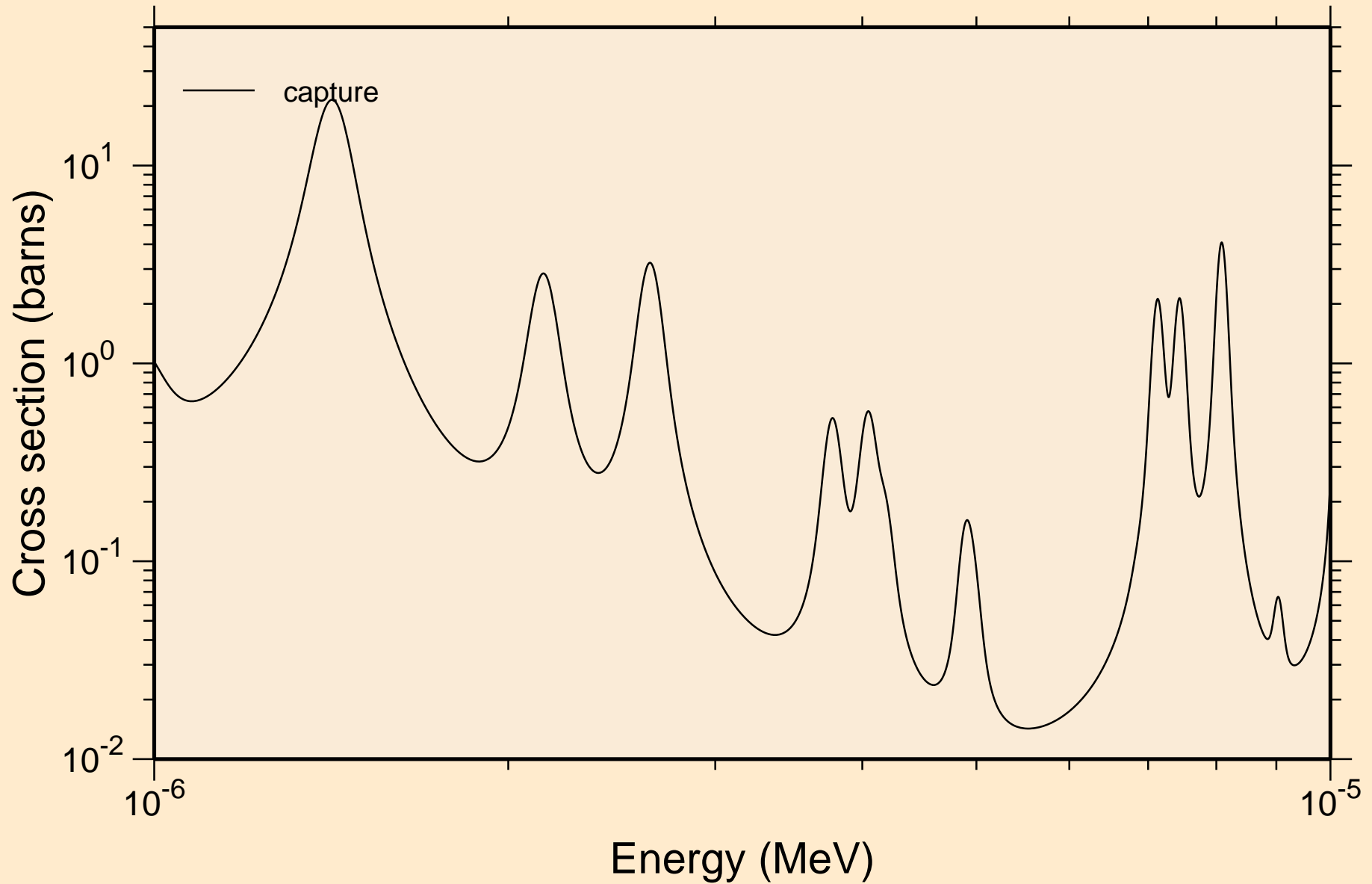
HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



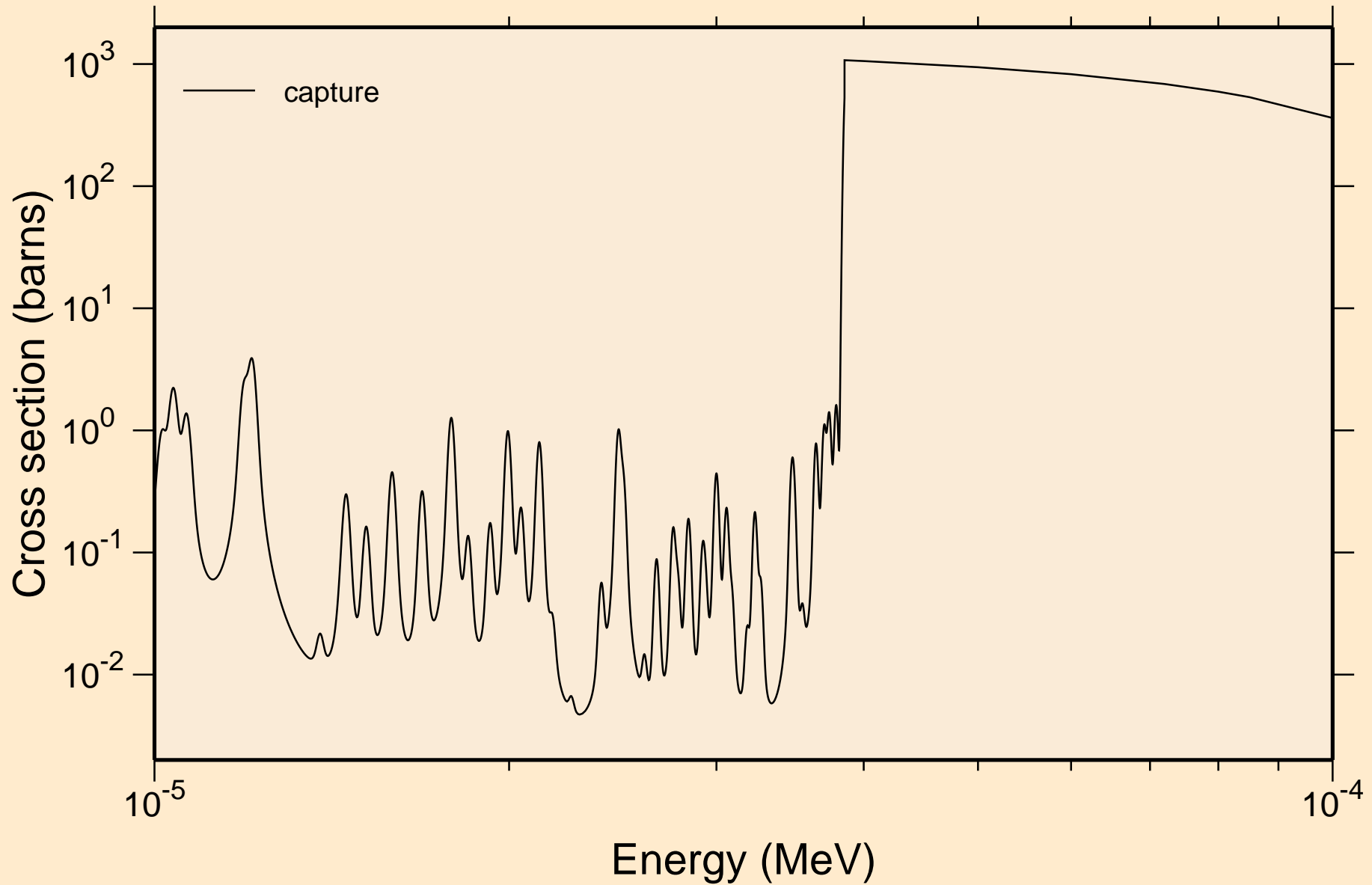
HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections

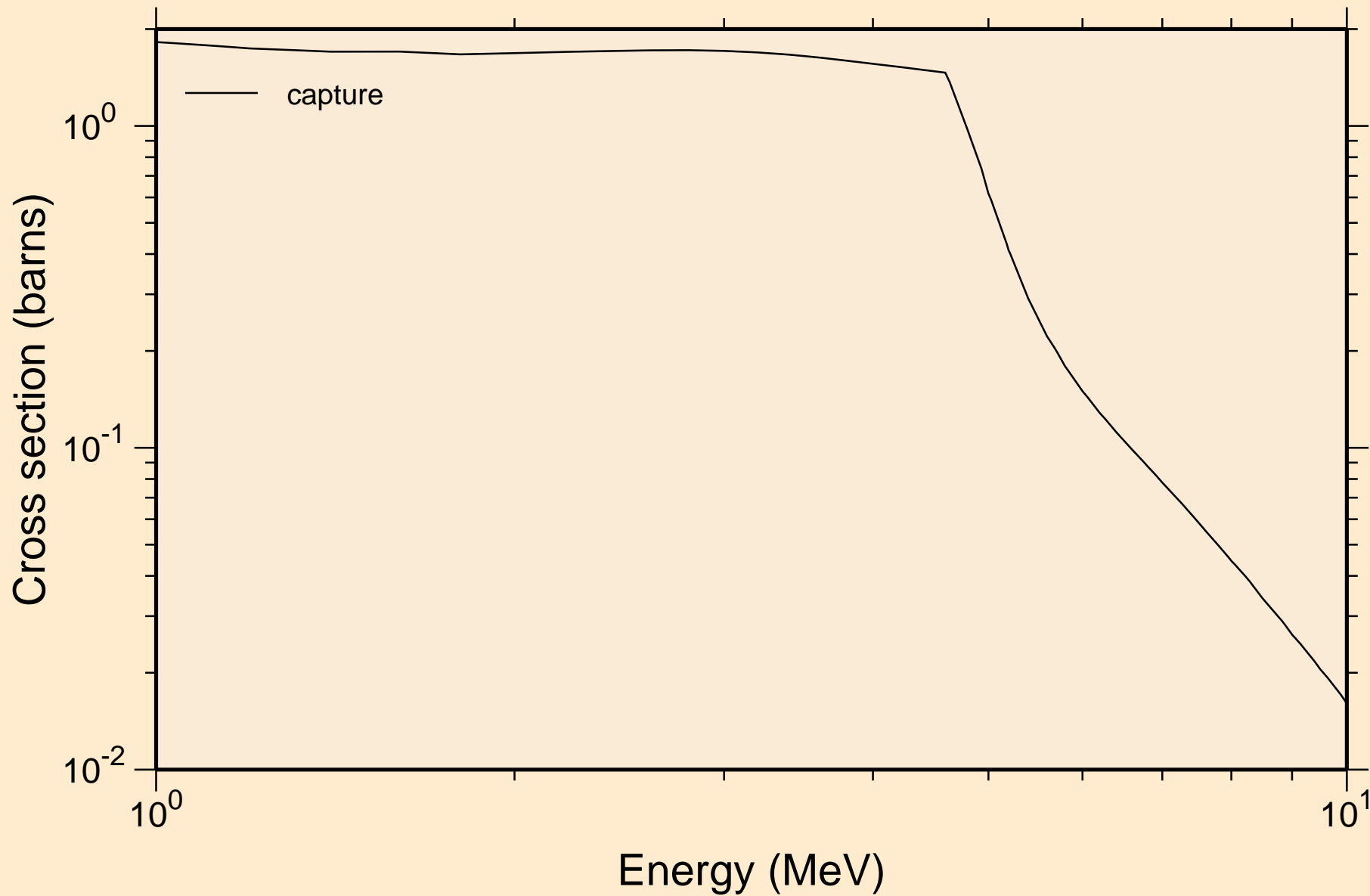


HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections

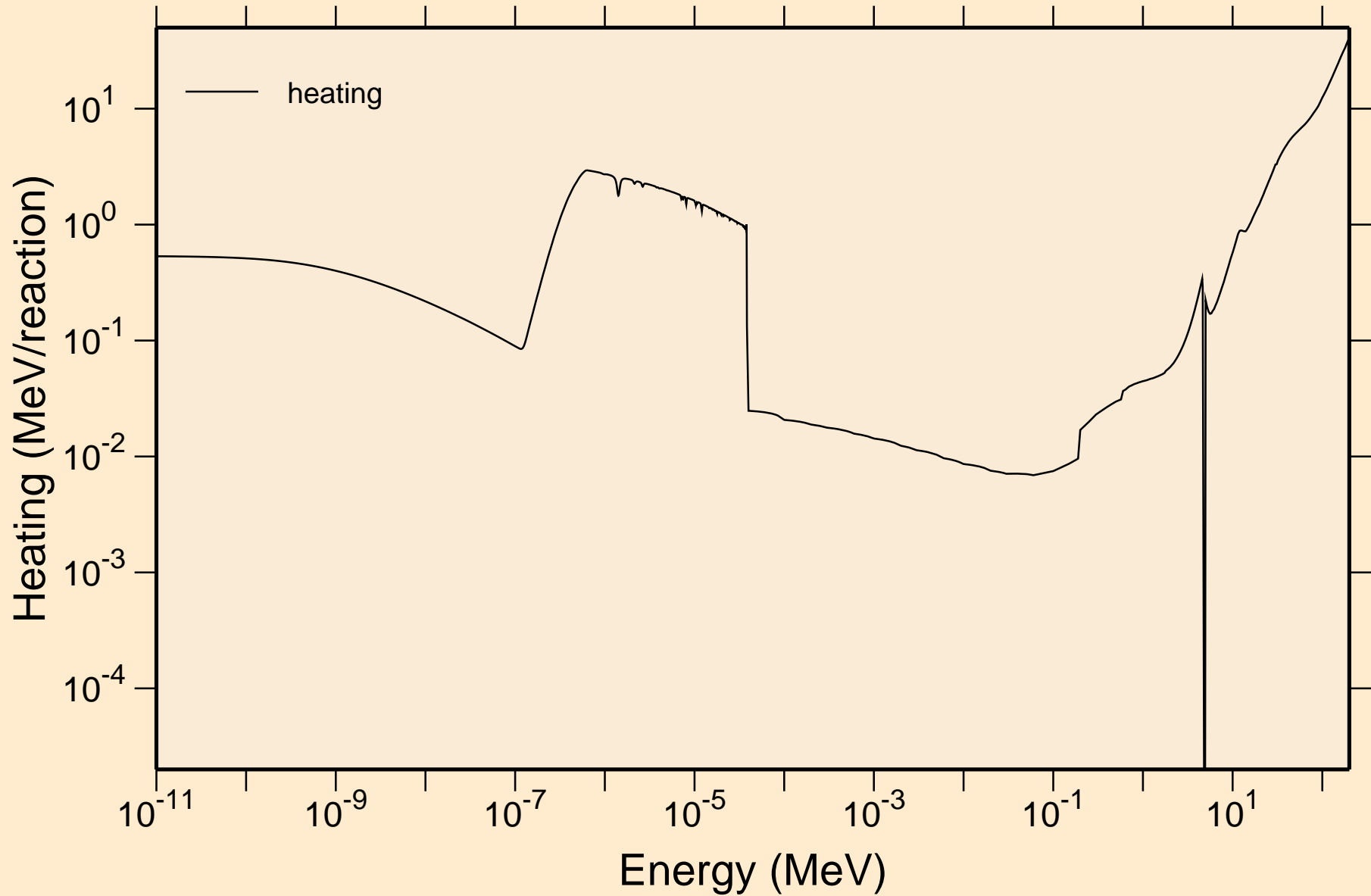




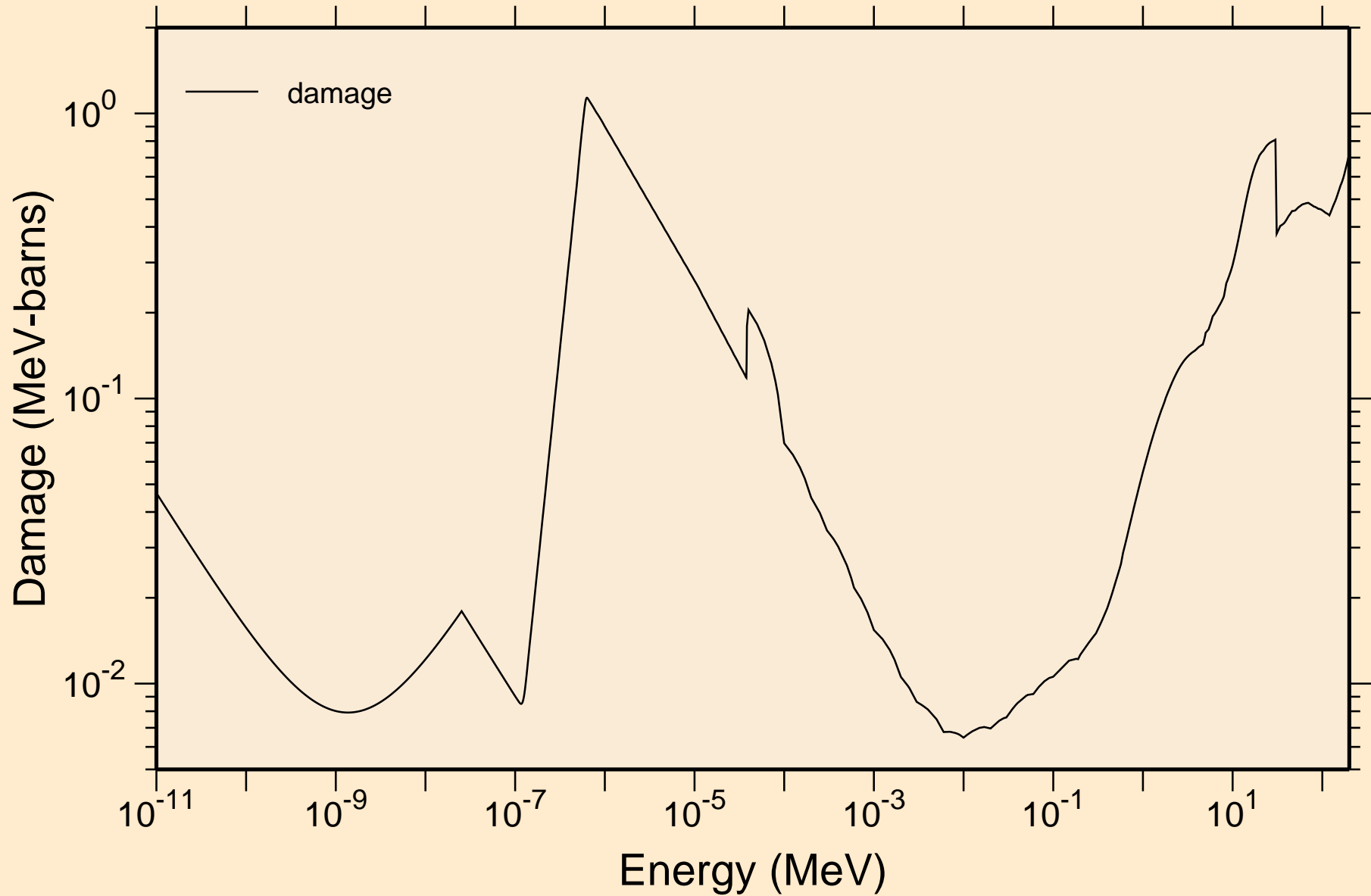
HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



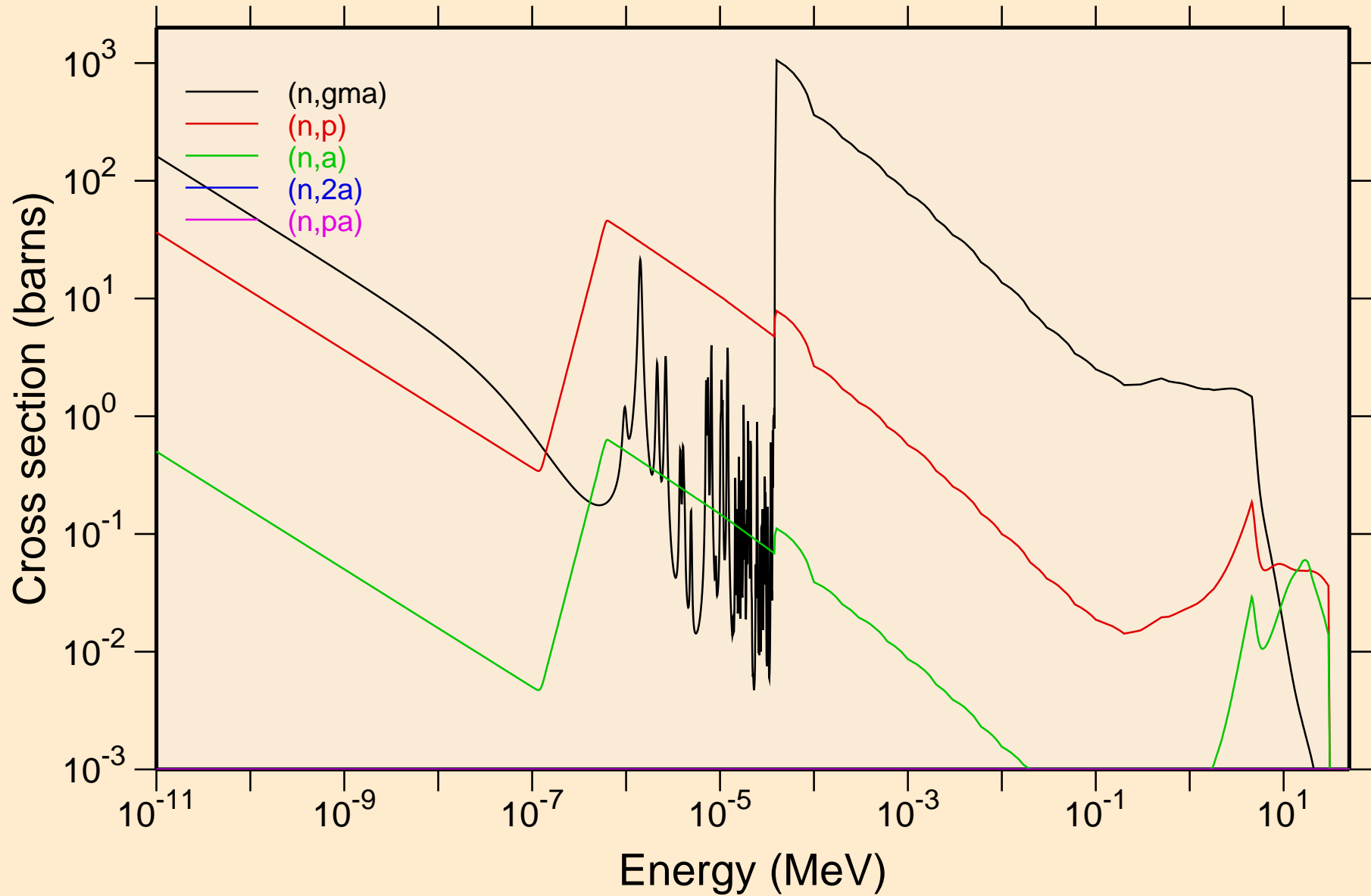
HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Heating



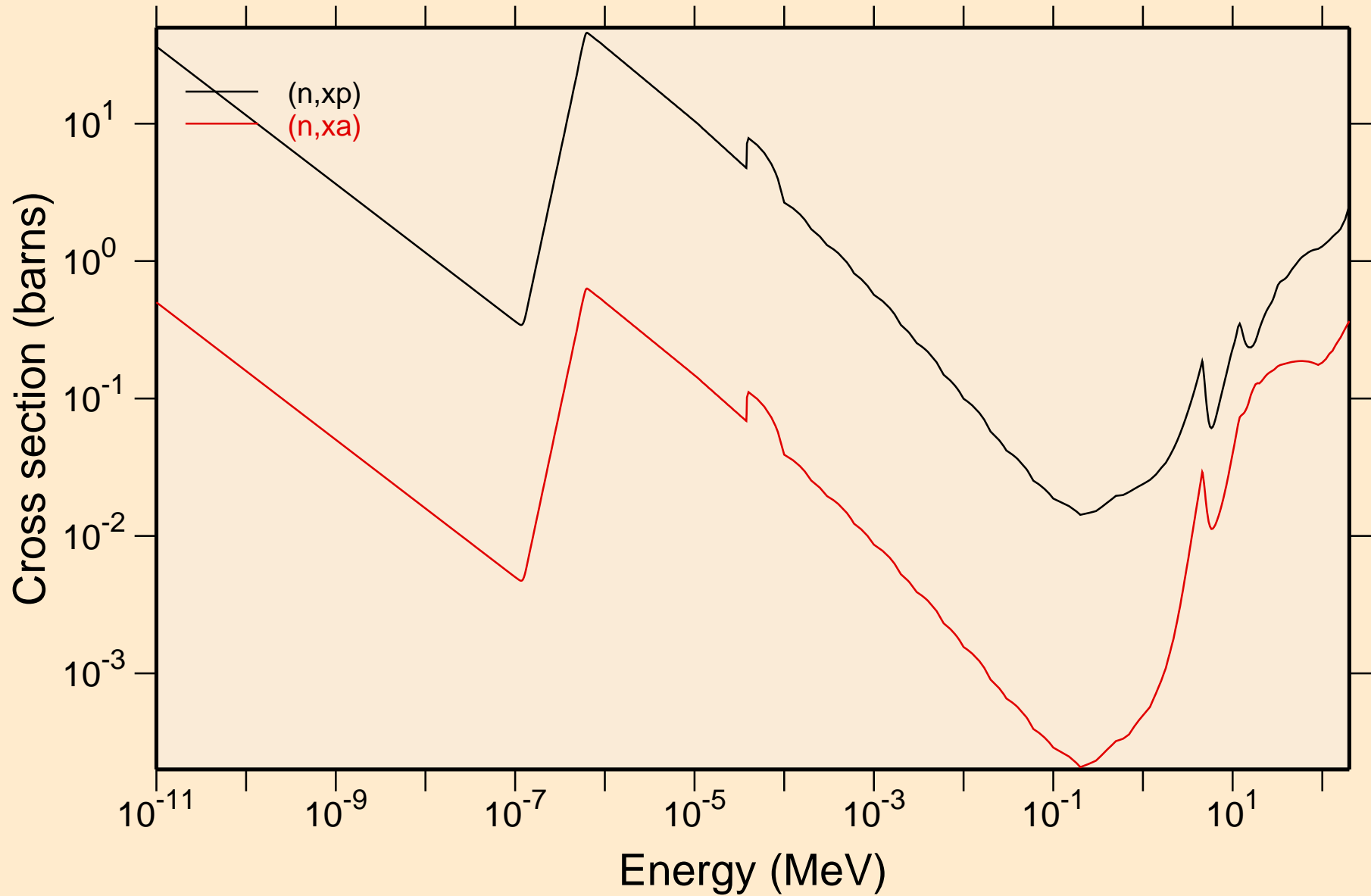
HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Damage



HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions

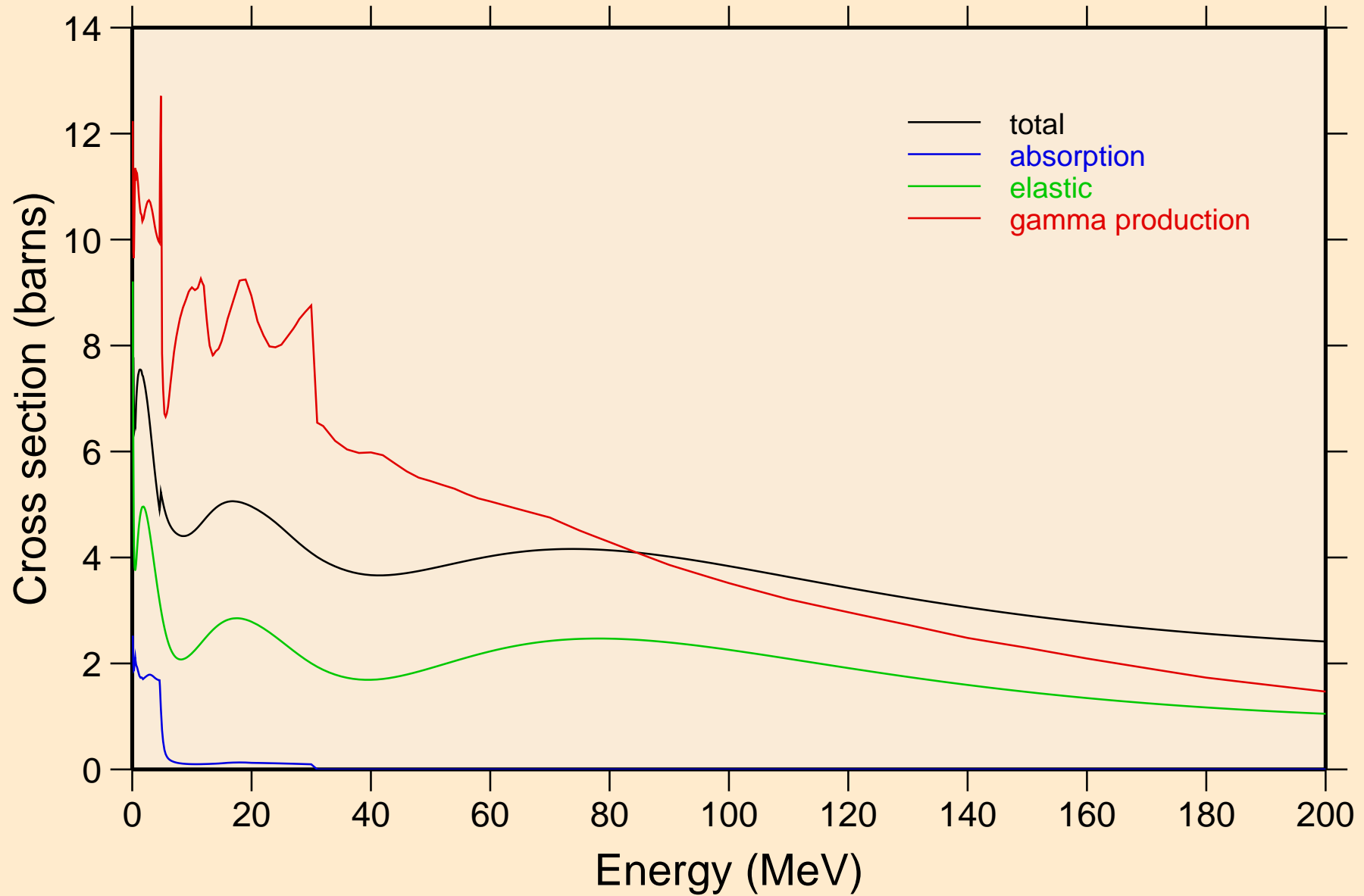


HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions

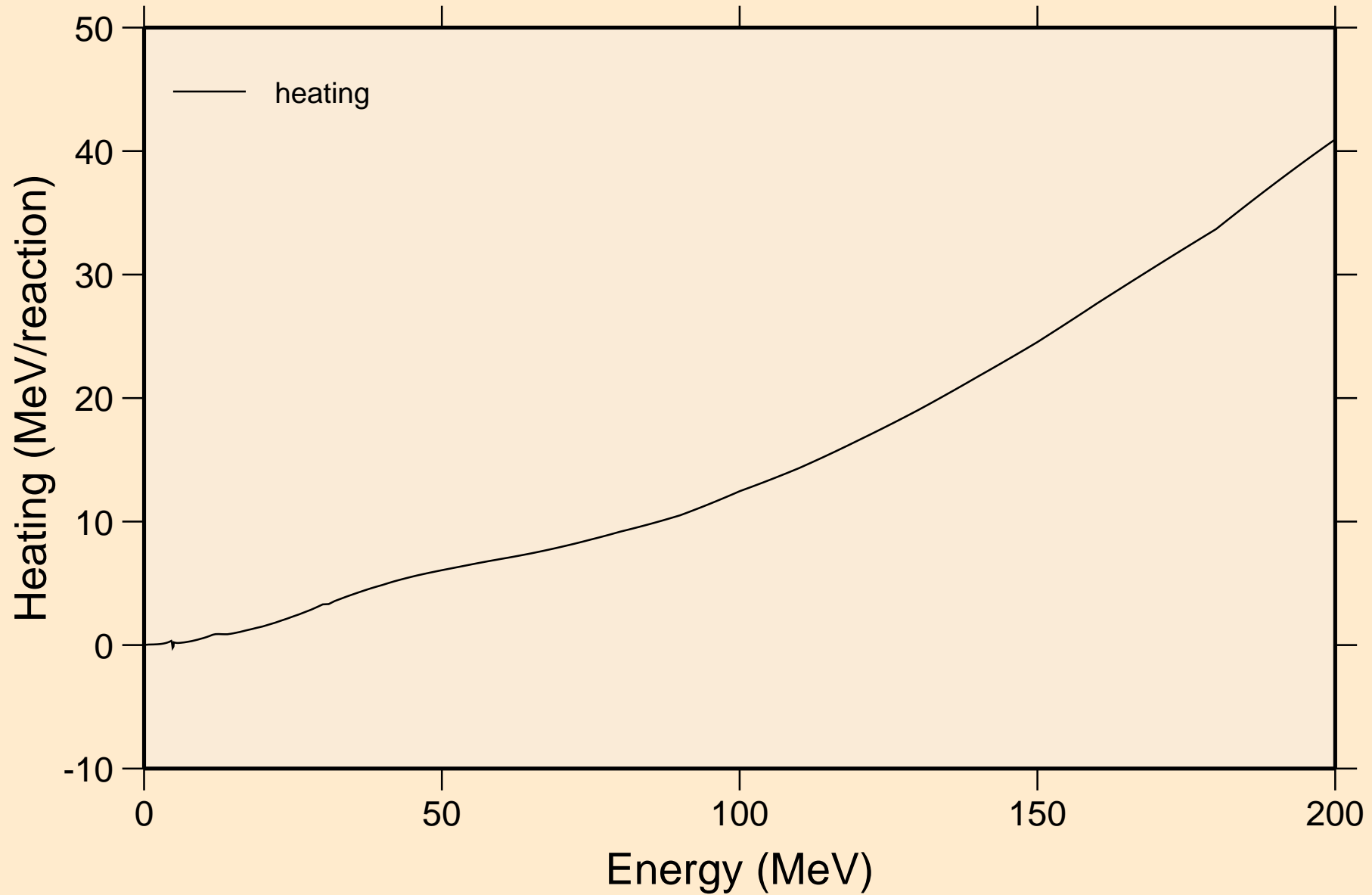


# HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

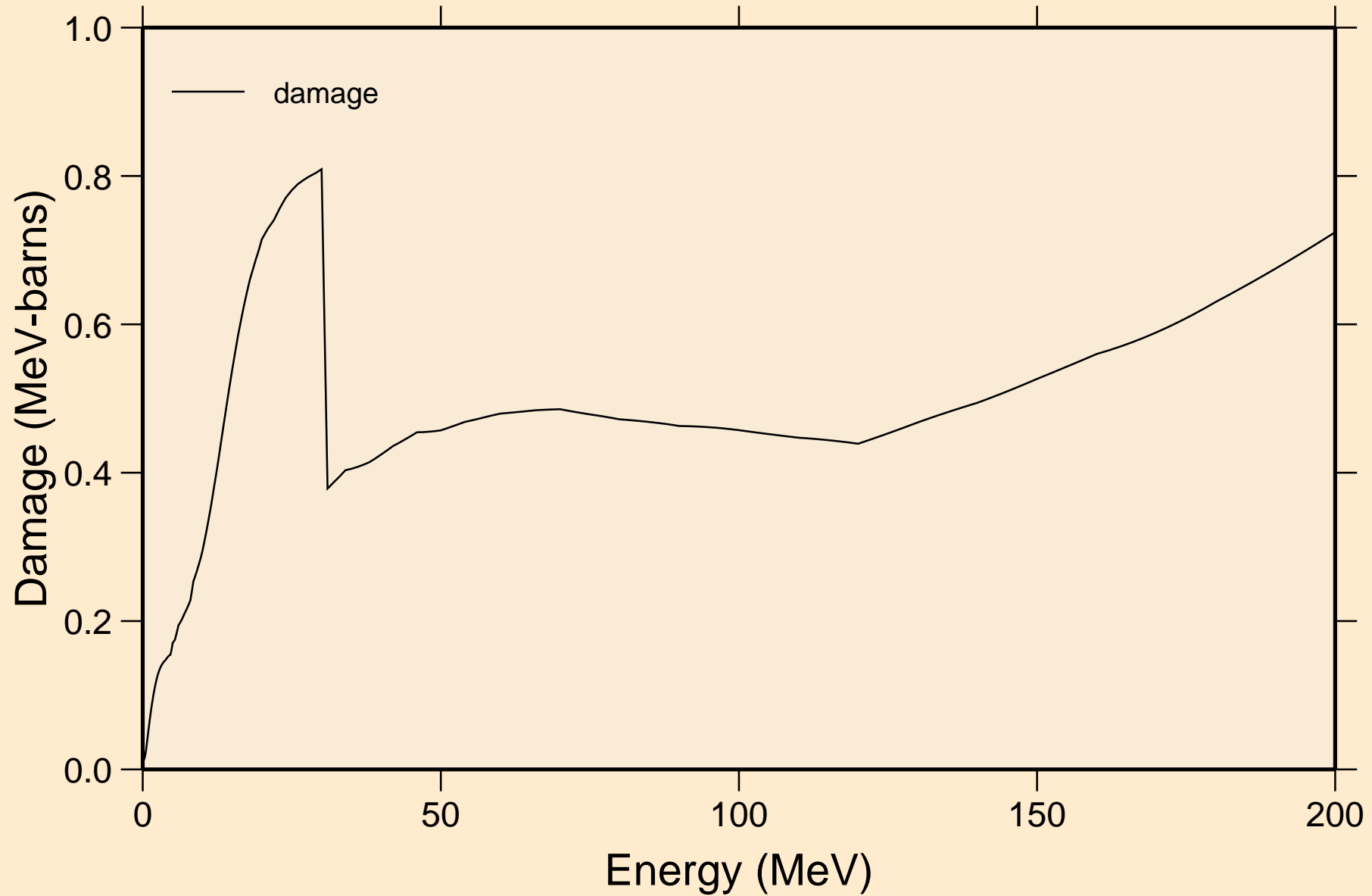
## Principal cross sections



HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Heating



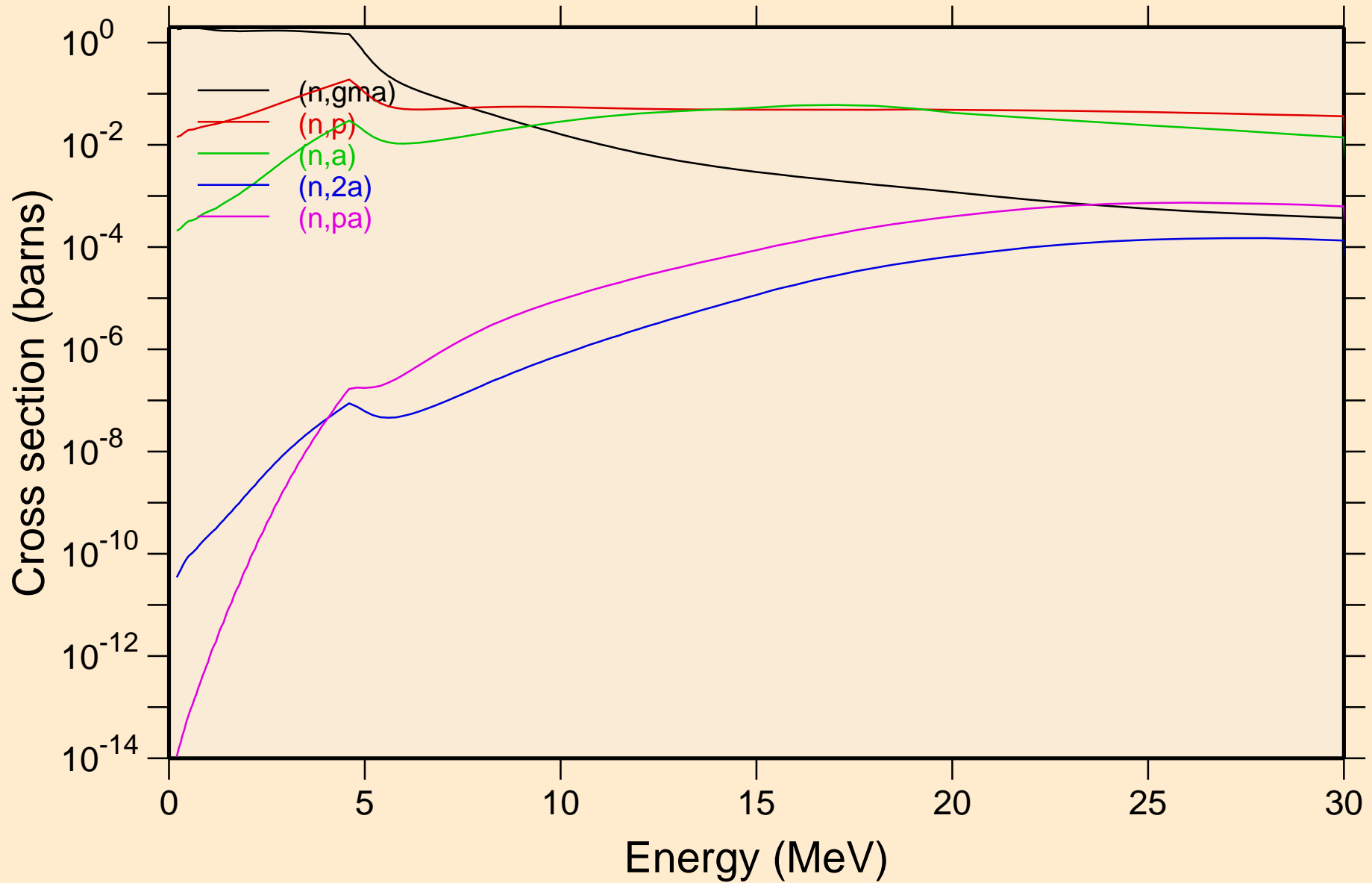
HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Damage



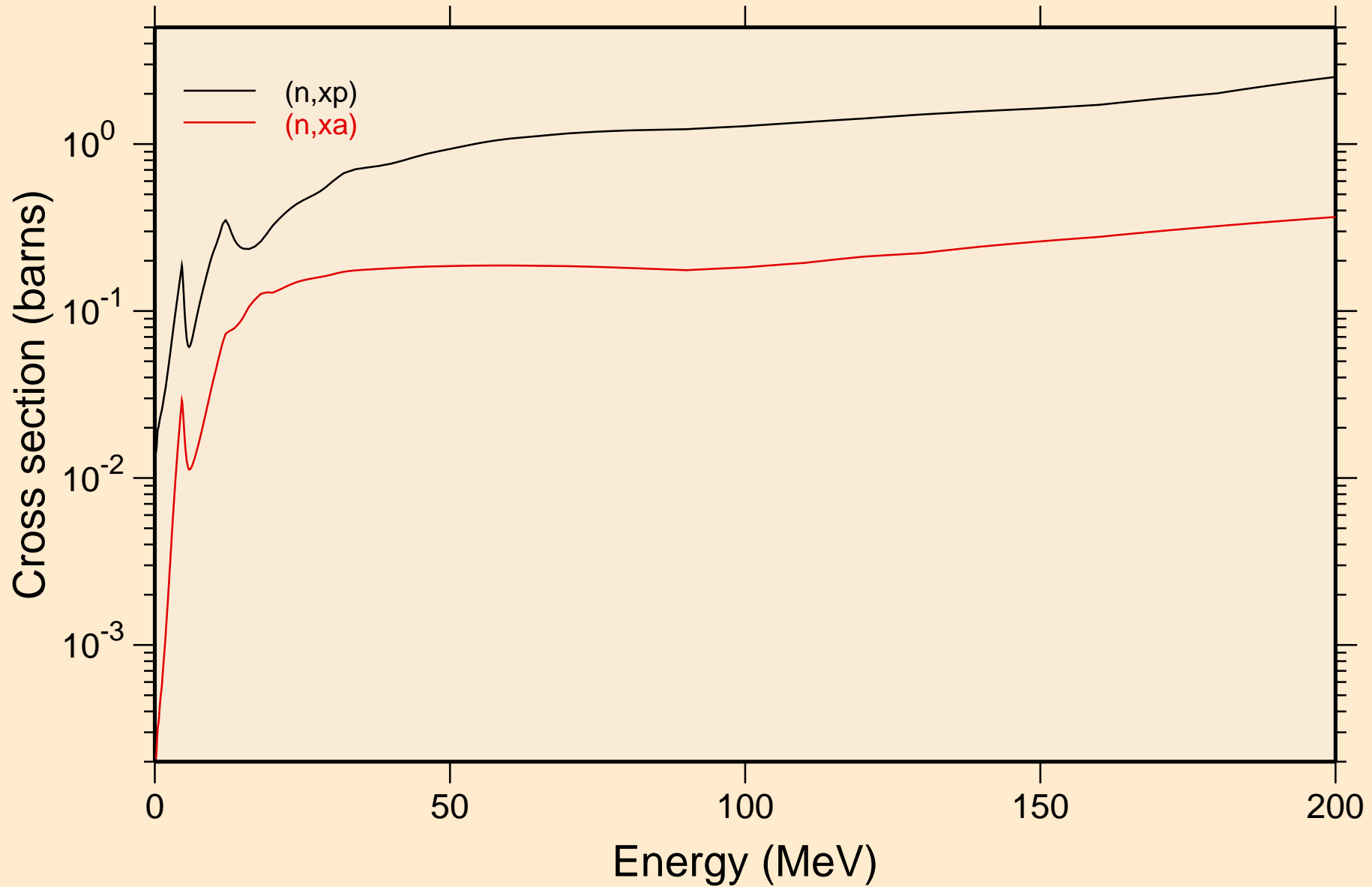


# HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

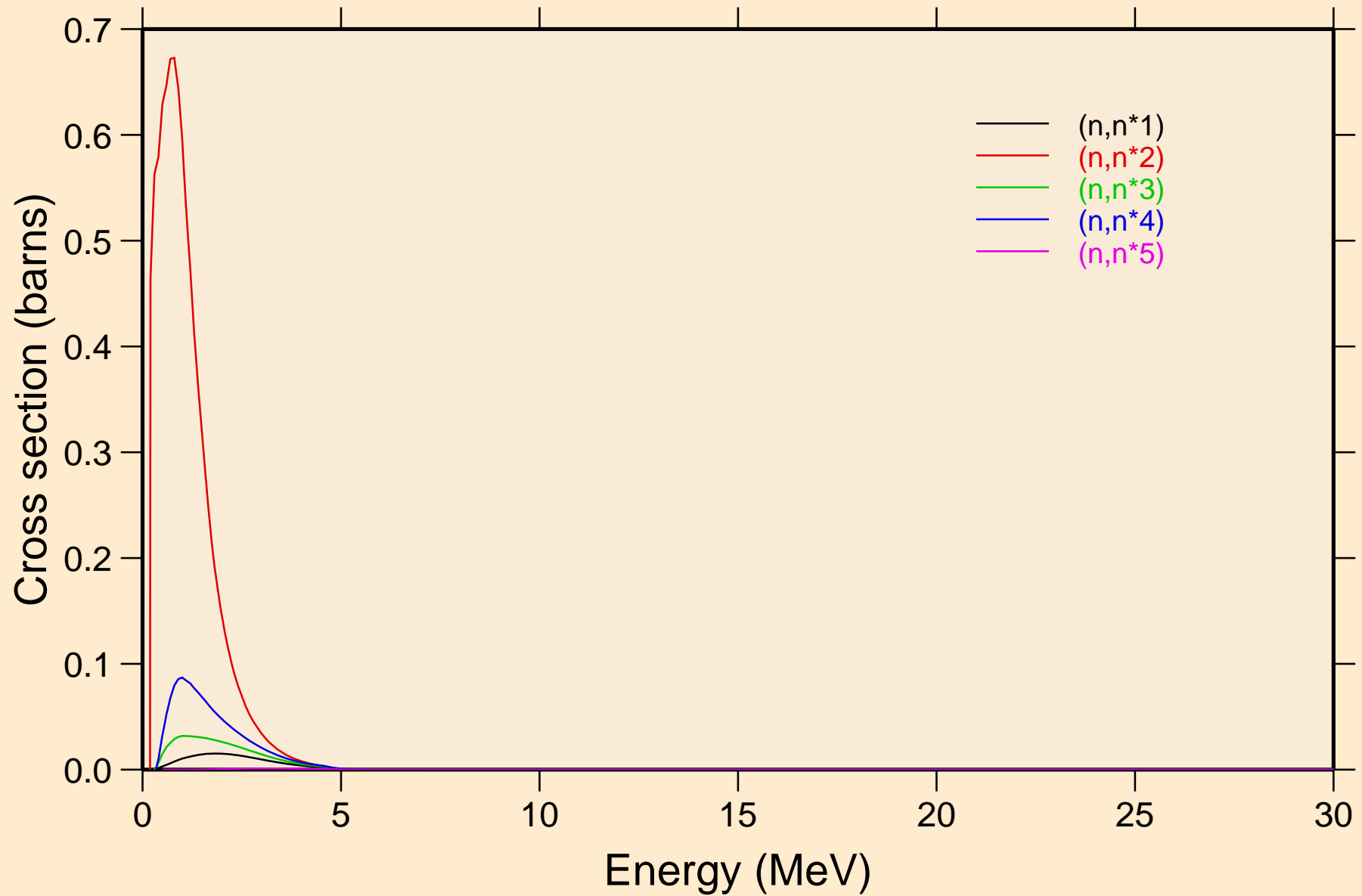
## Non-threshold reactions



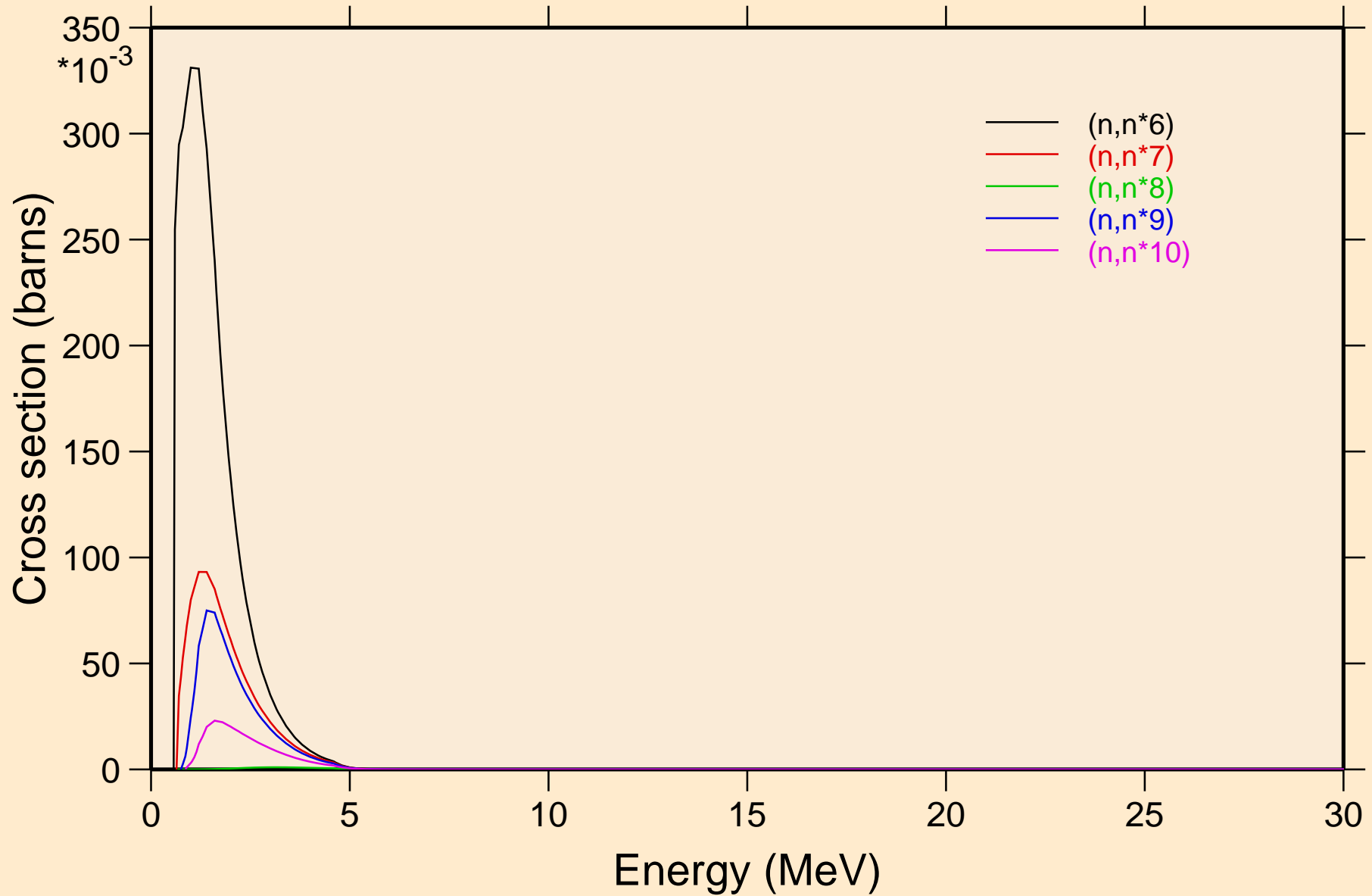
HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions



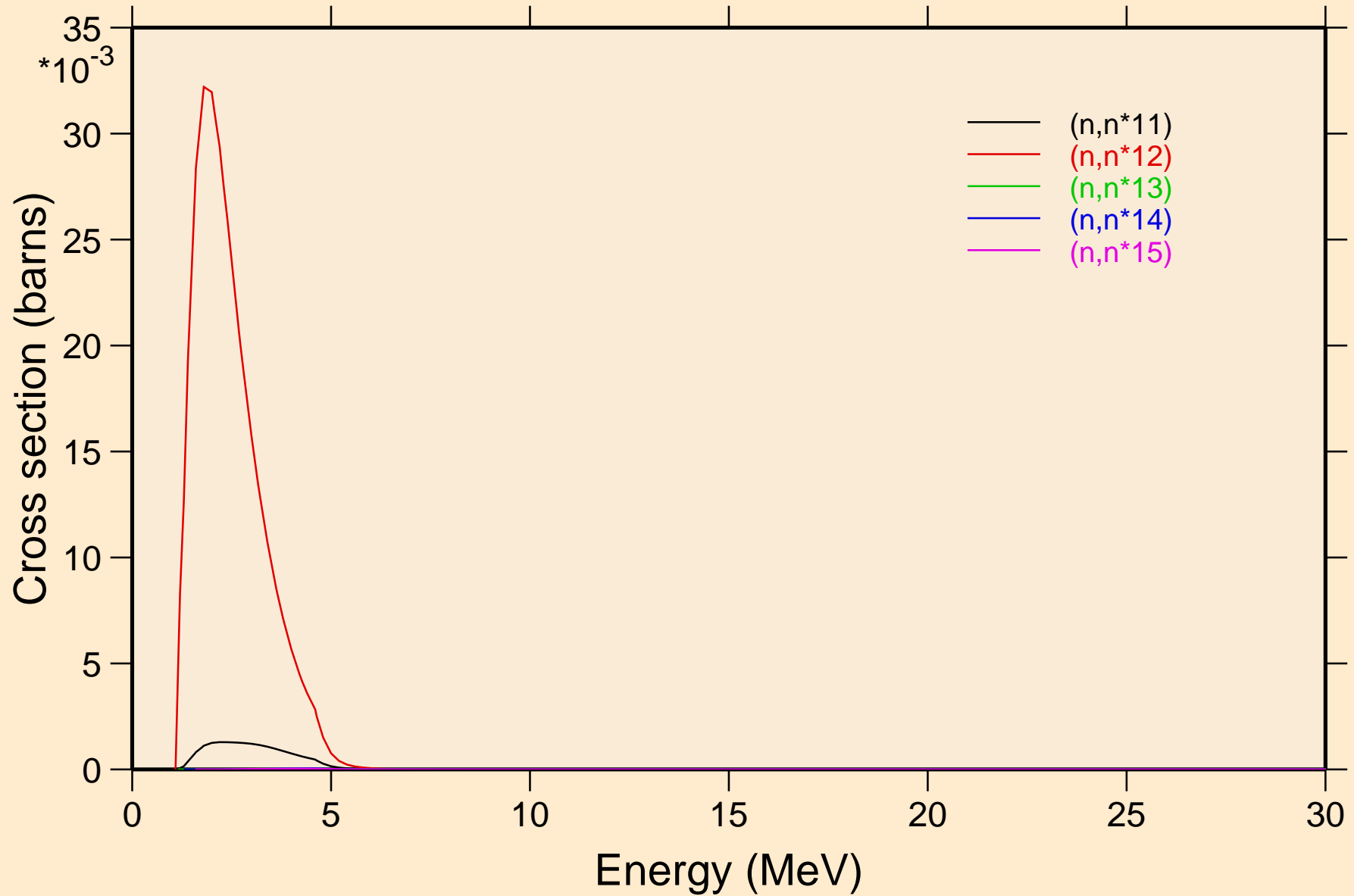
HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



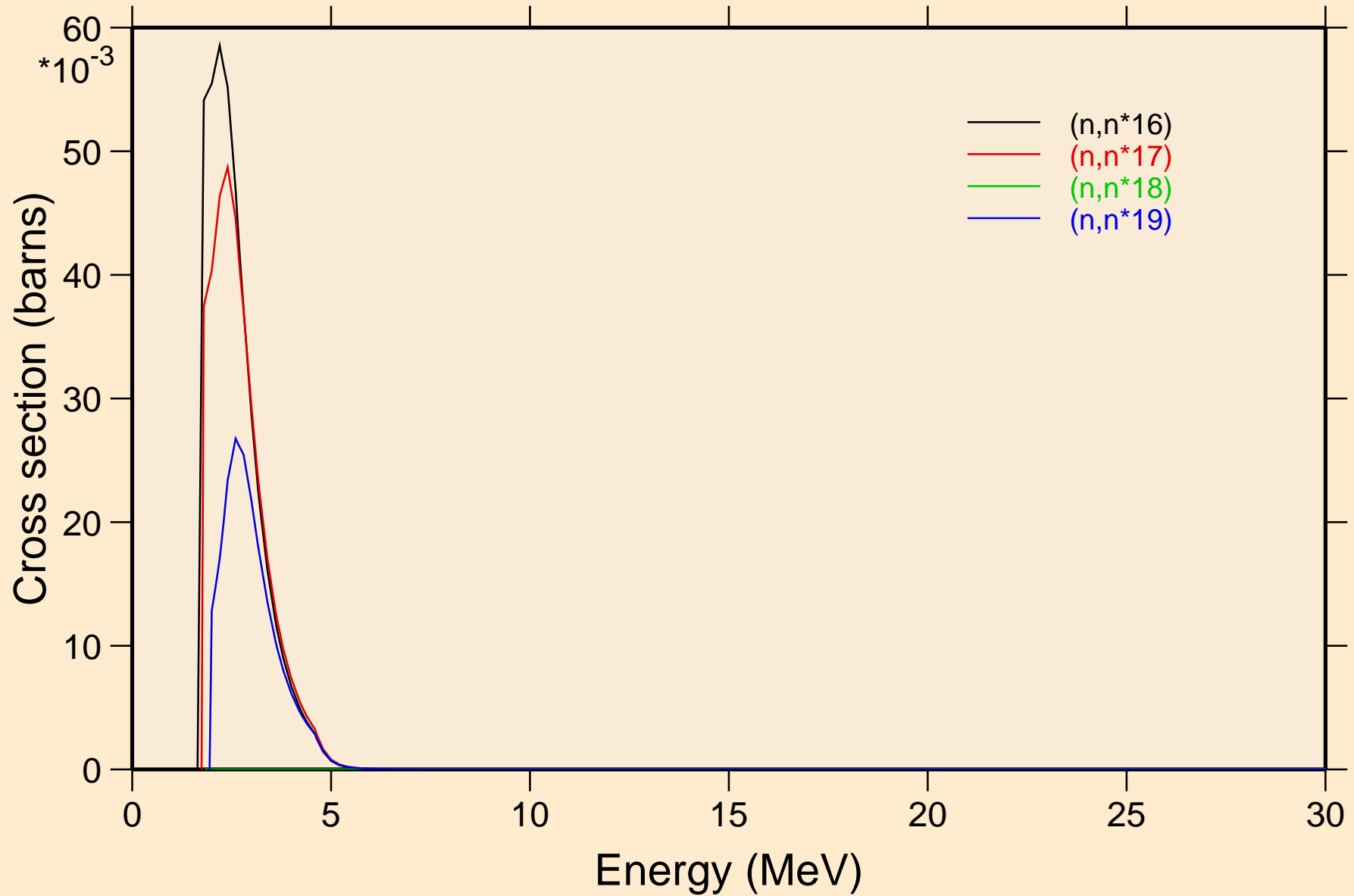
HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels

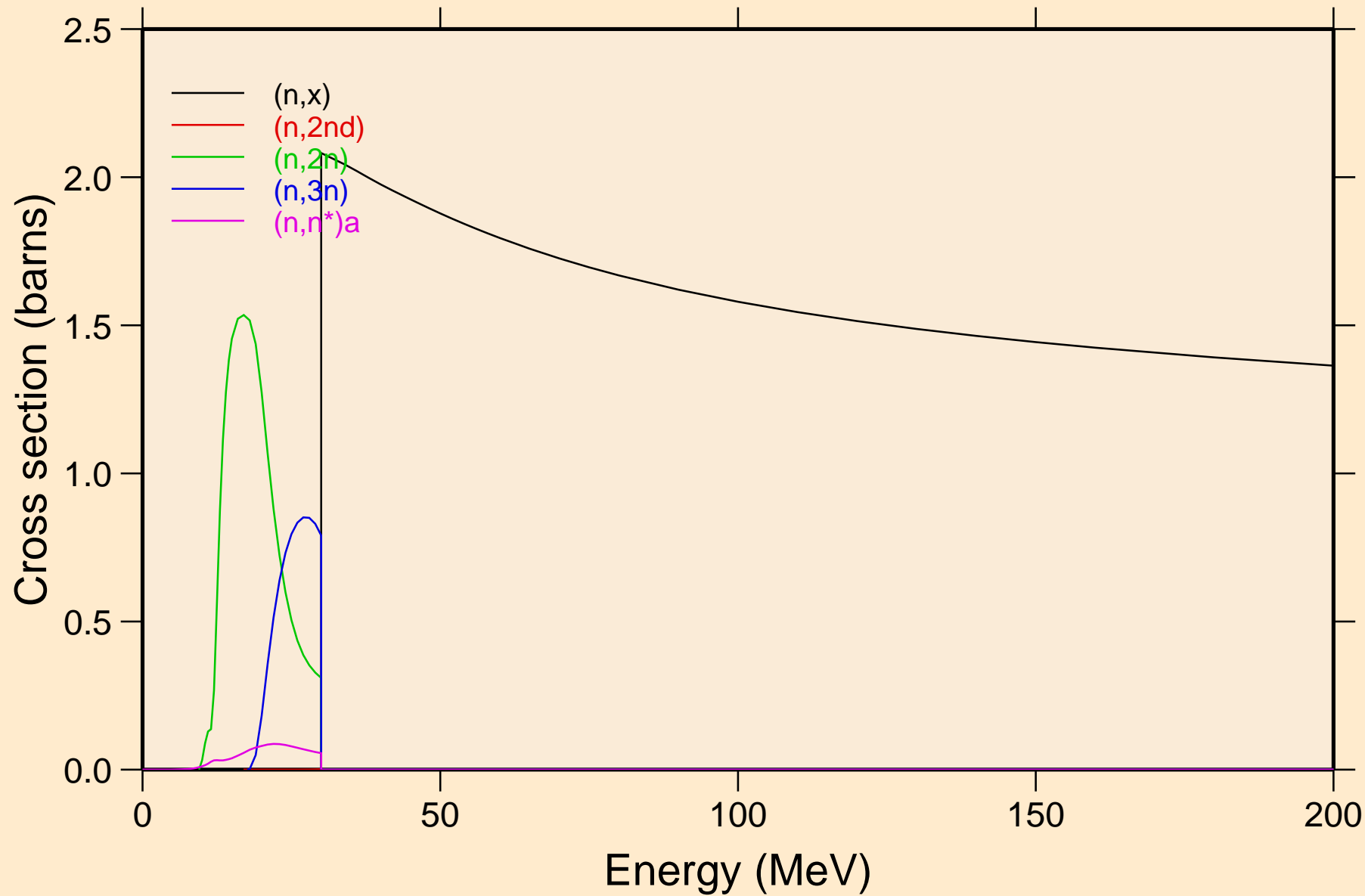


HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels

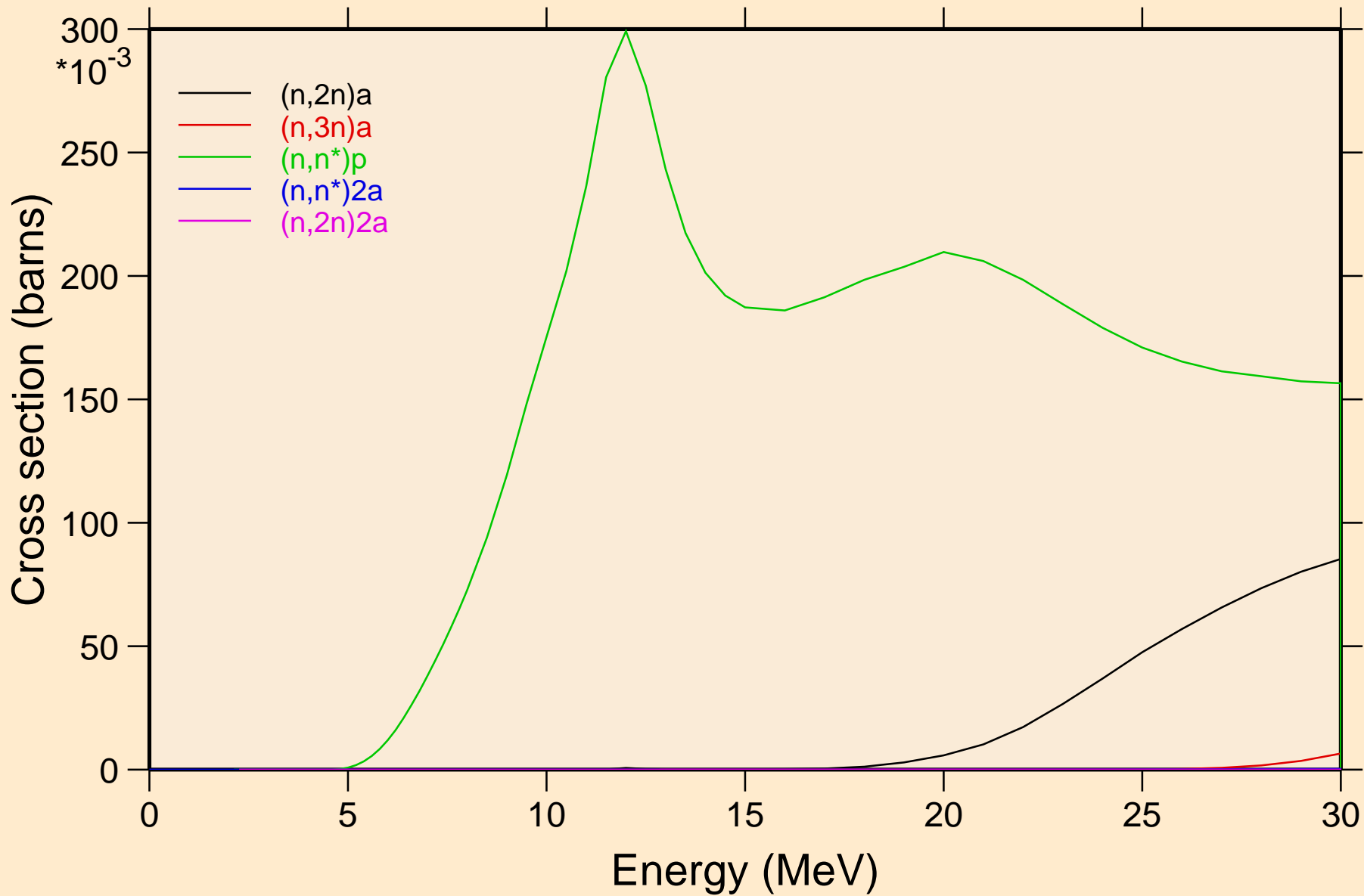


# HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Threshold reactions



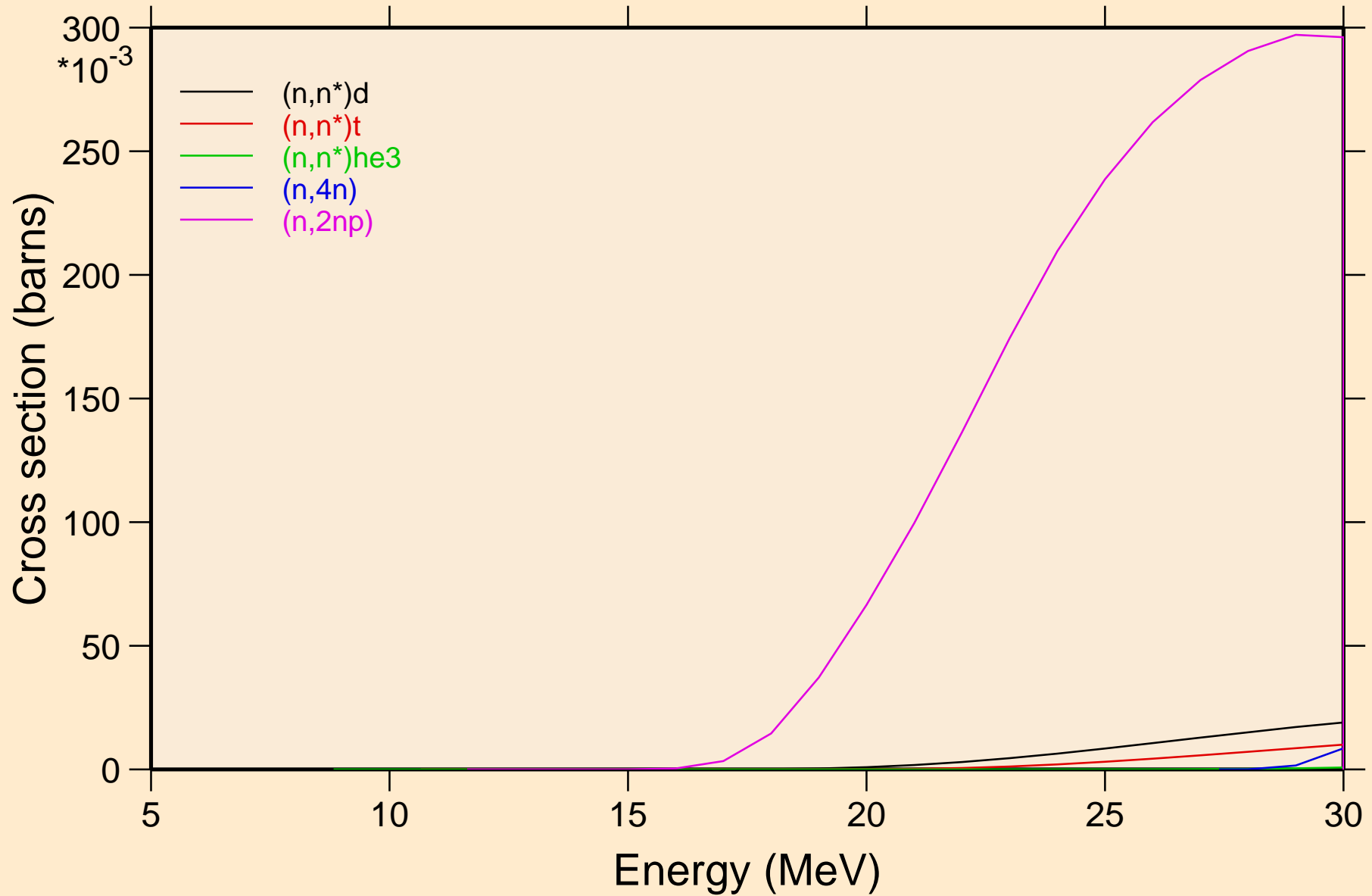
HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions





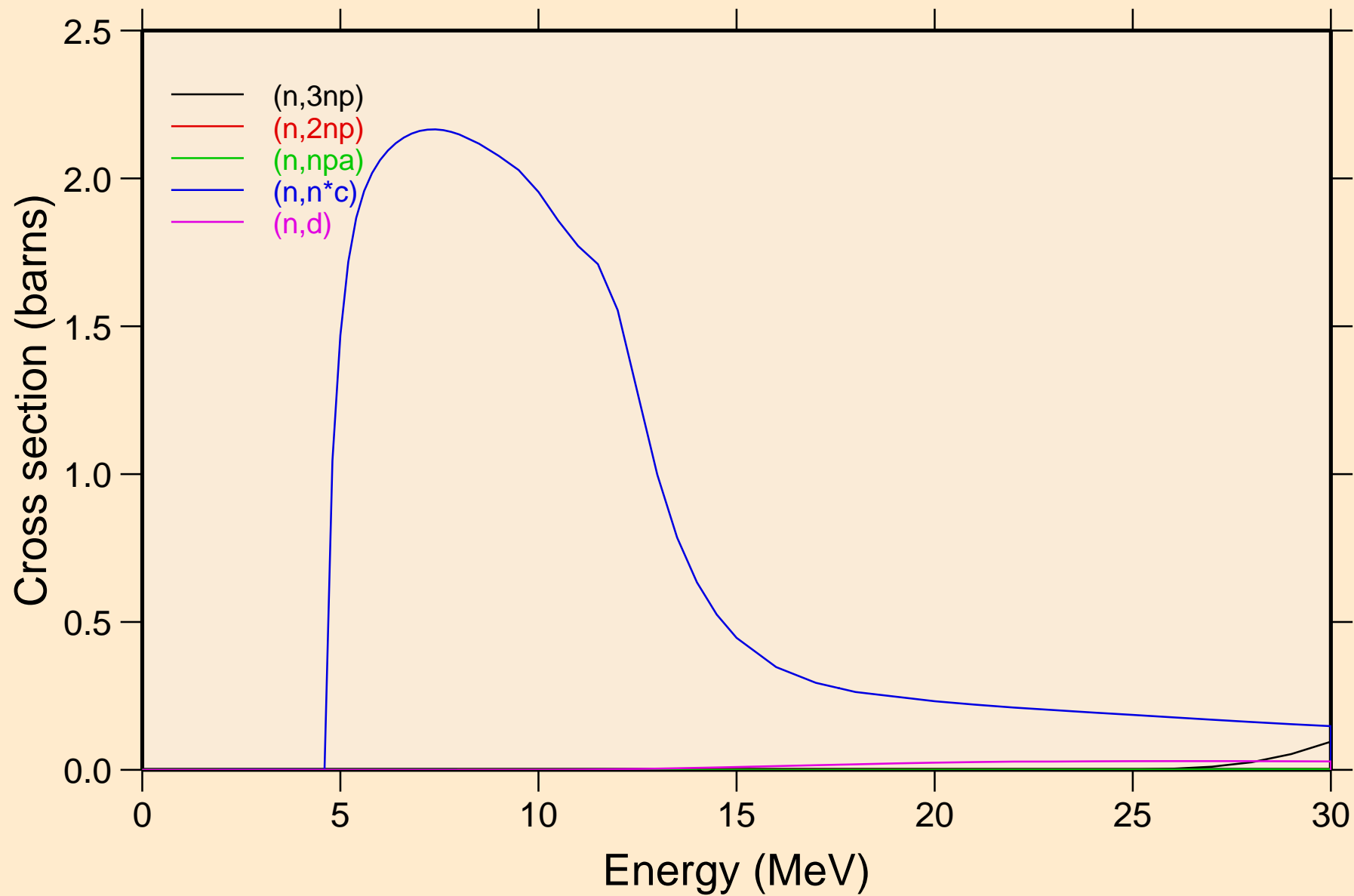
# HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Threshold reactions

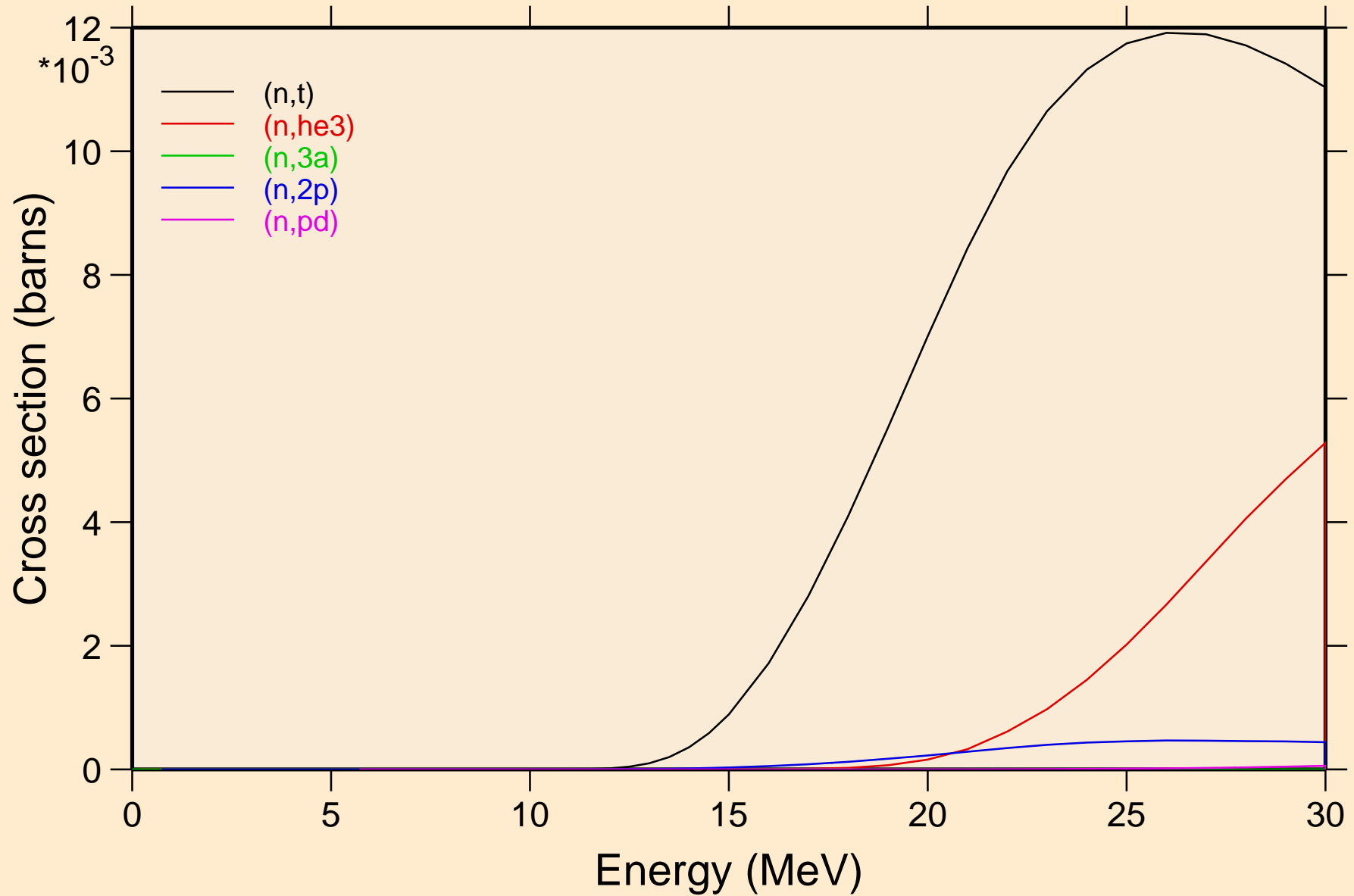


# HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

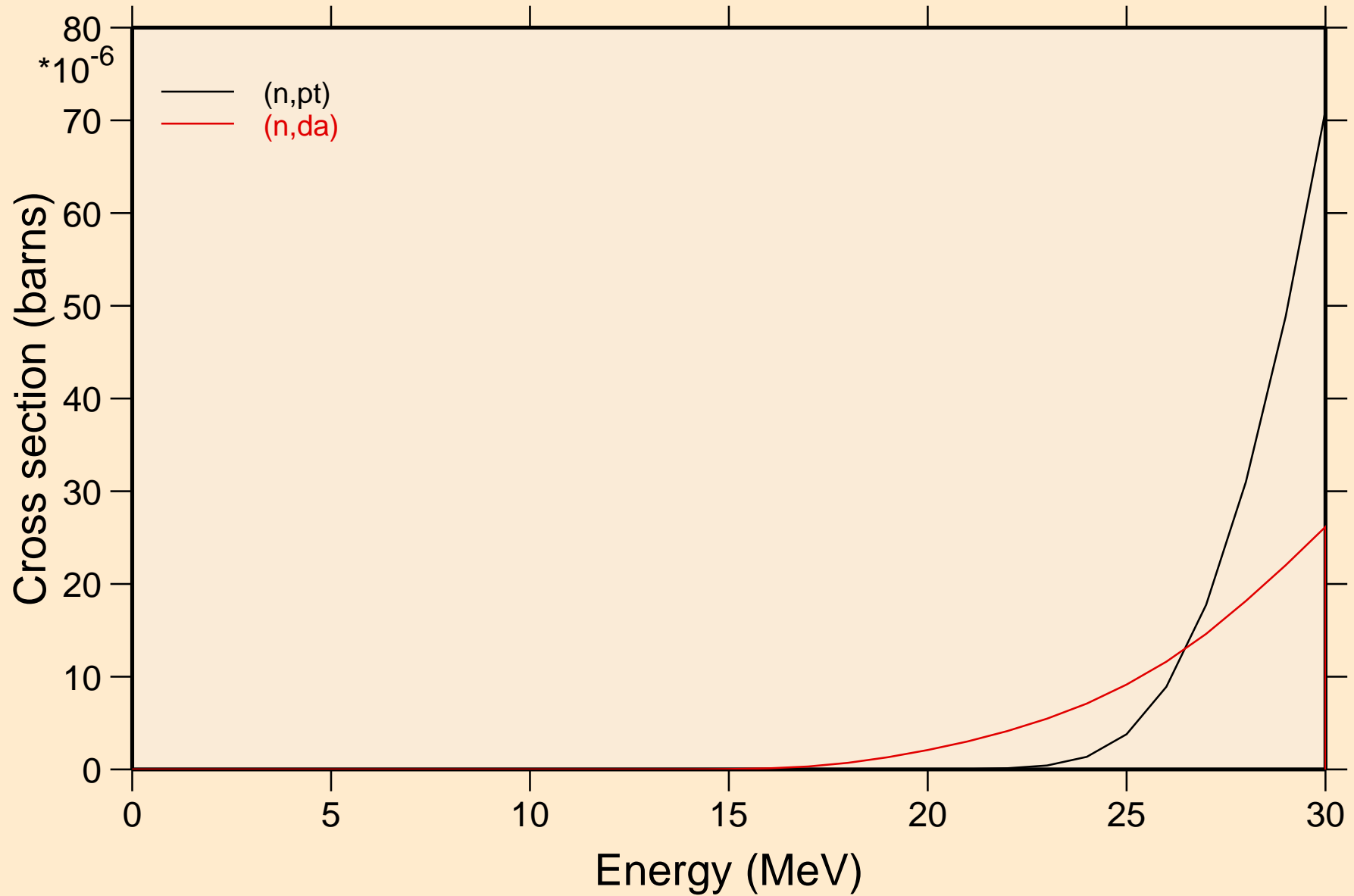
## Threshold reactions



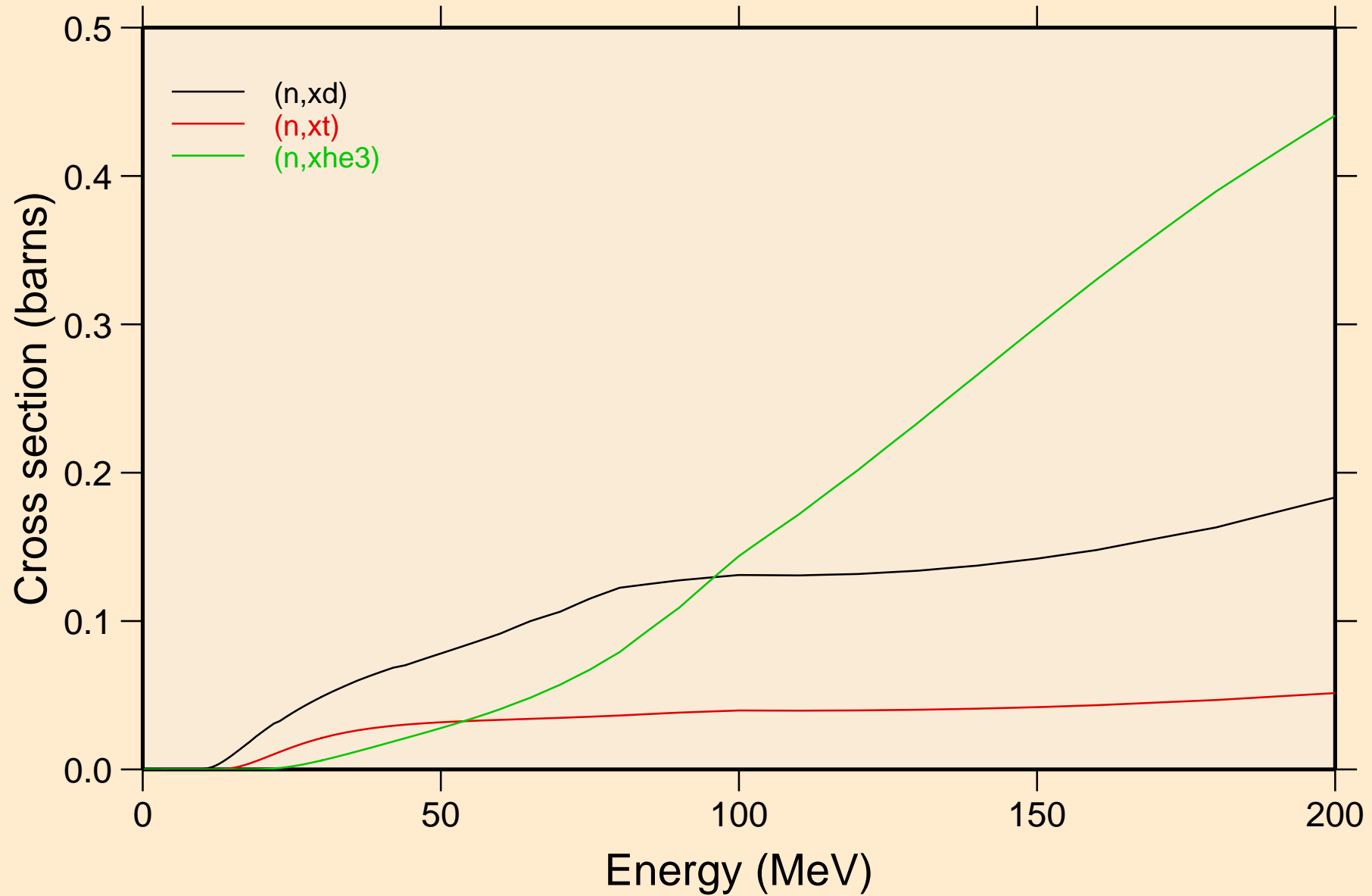
HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



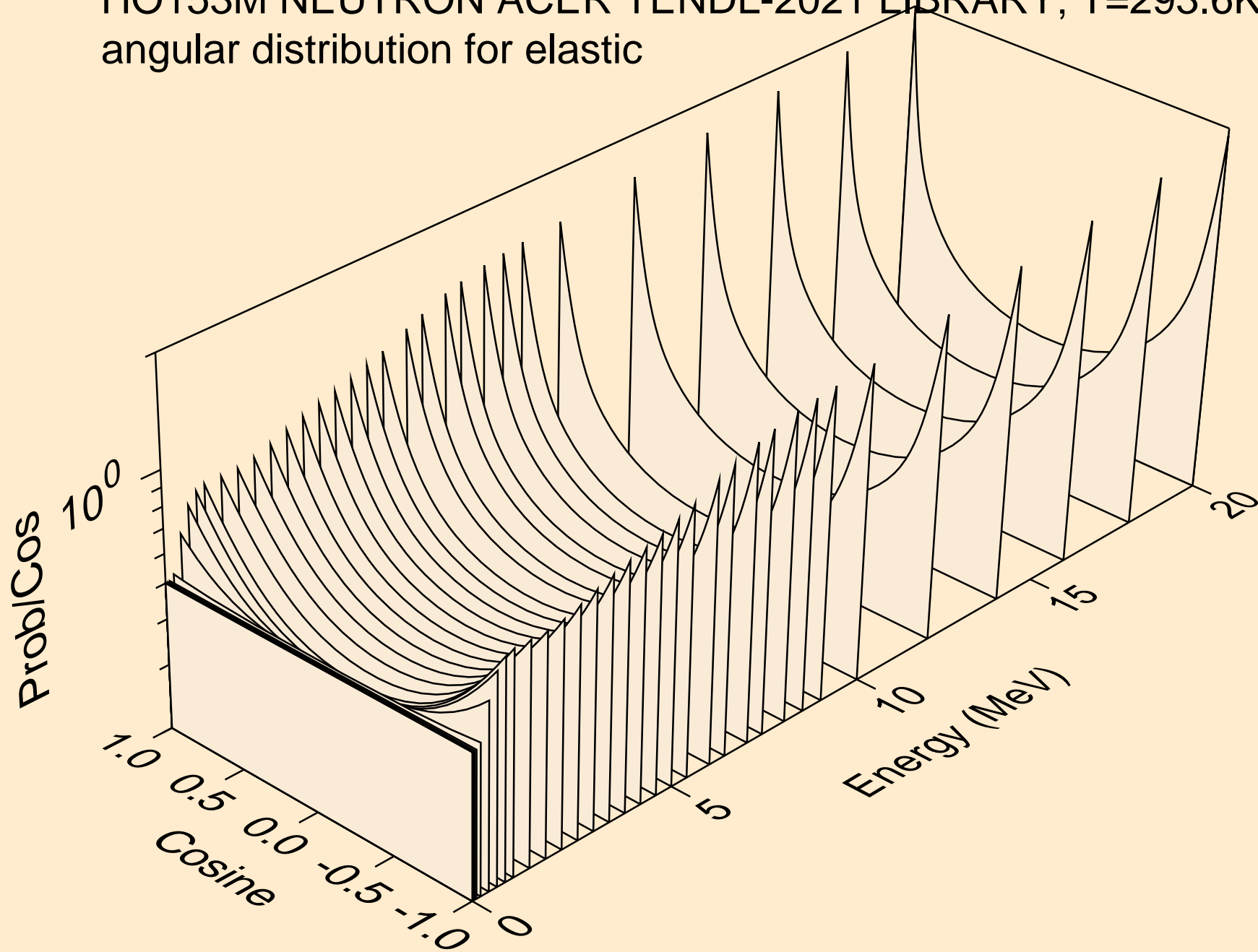
HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



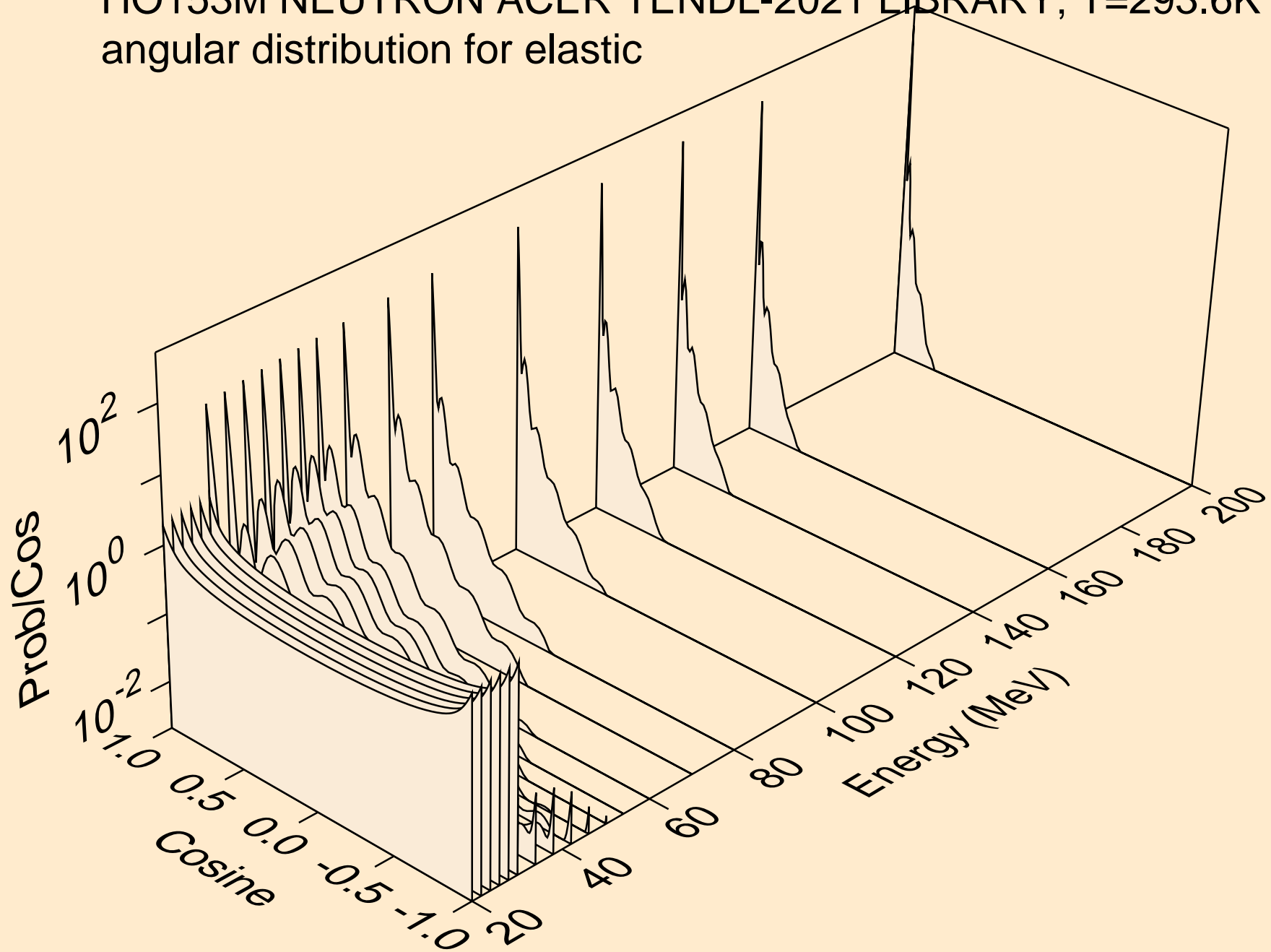
HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



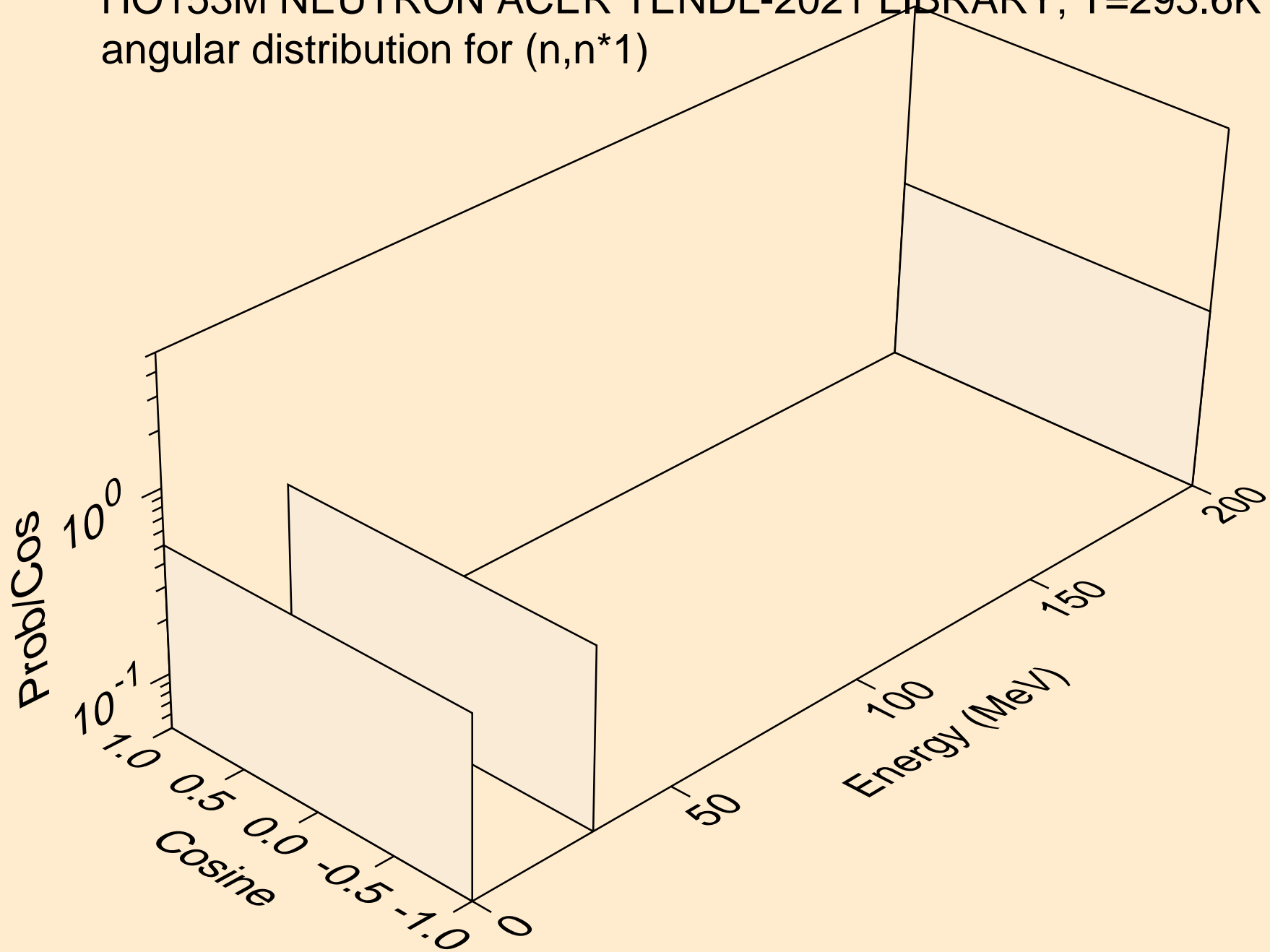
HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for elastic



HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for elastic

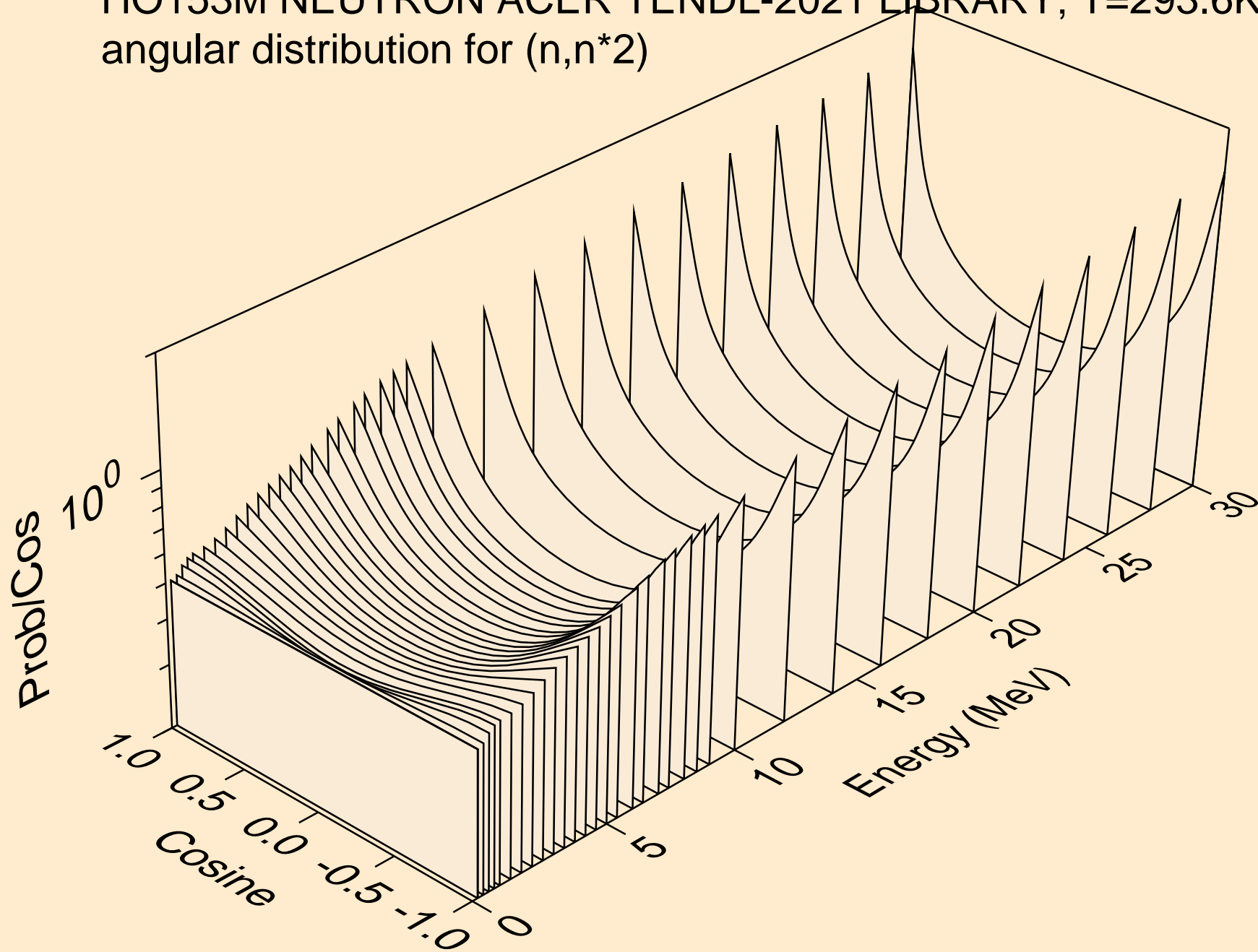


HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*1)

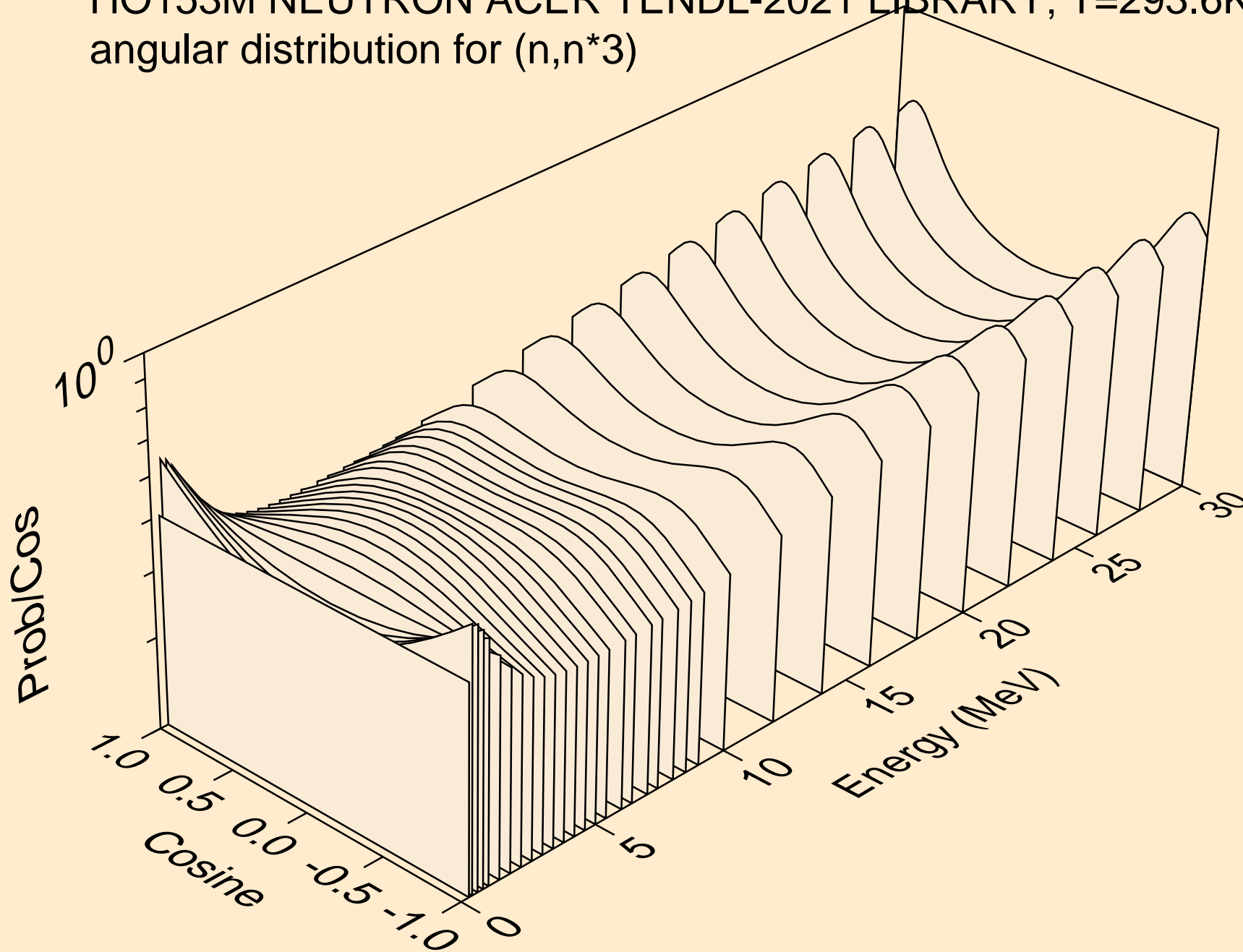




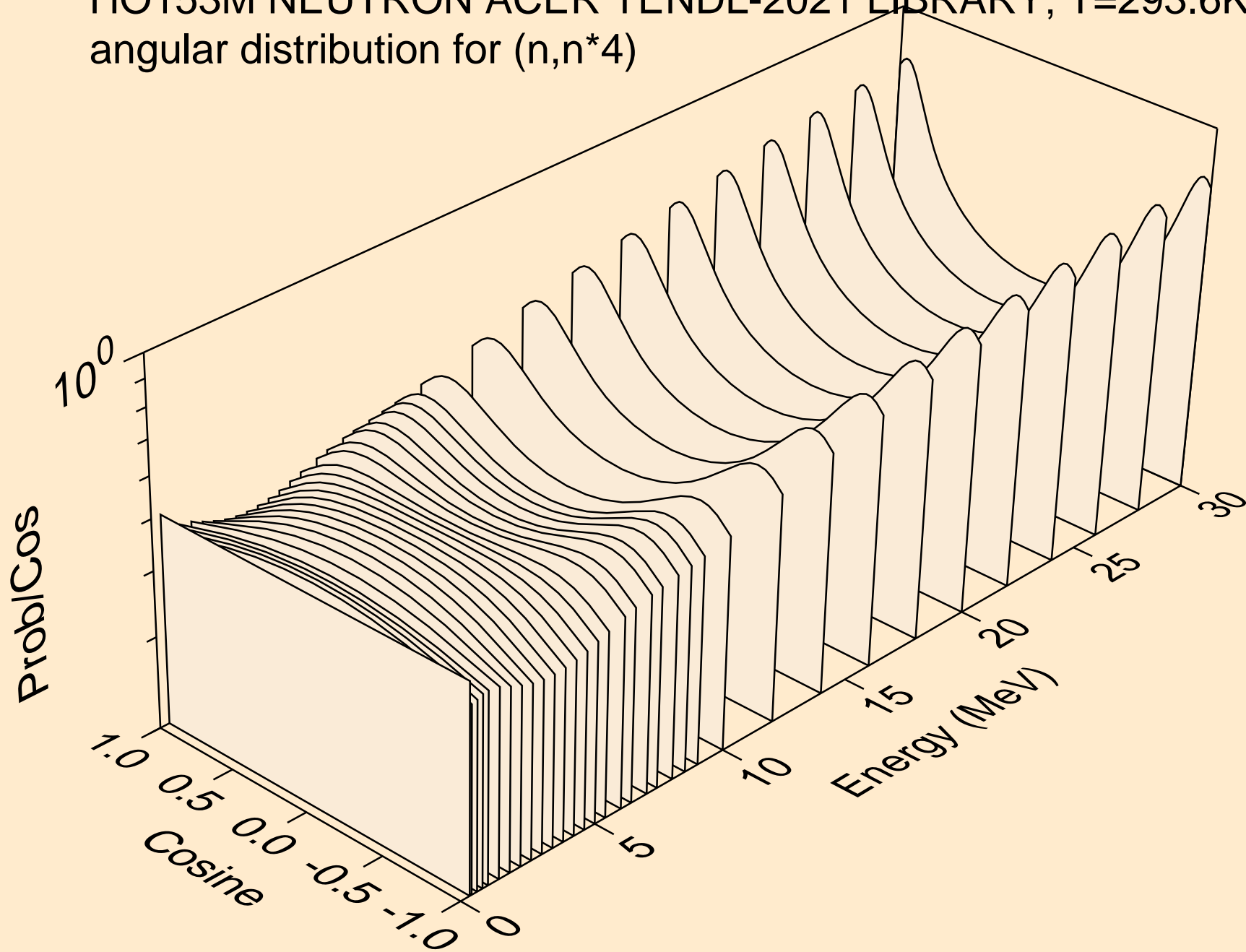
HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*2)



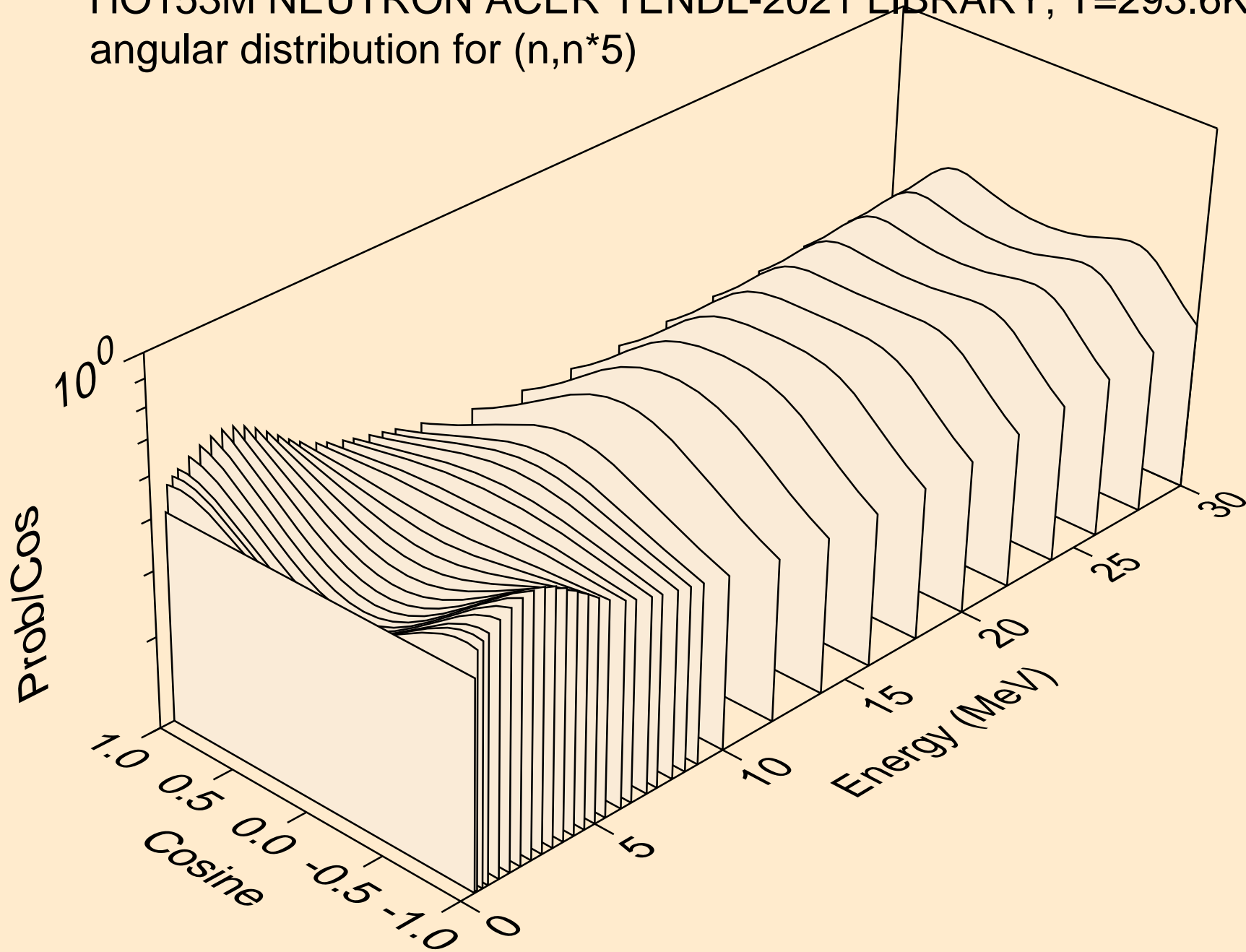
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angular distribution for (n,n\*3)



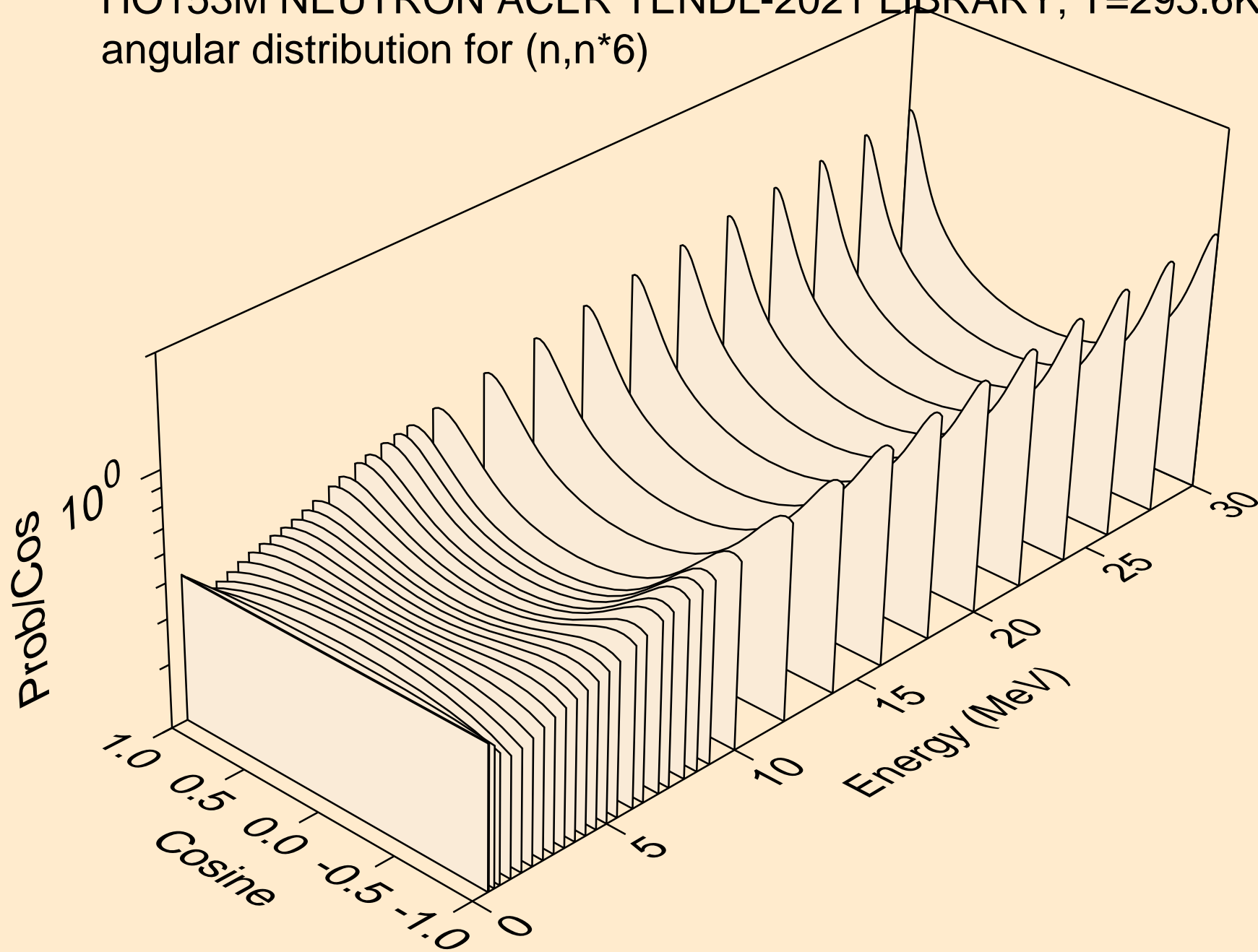
HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*4)



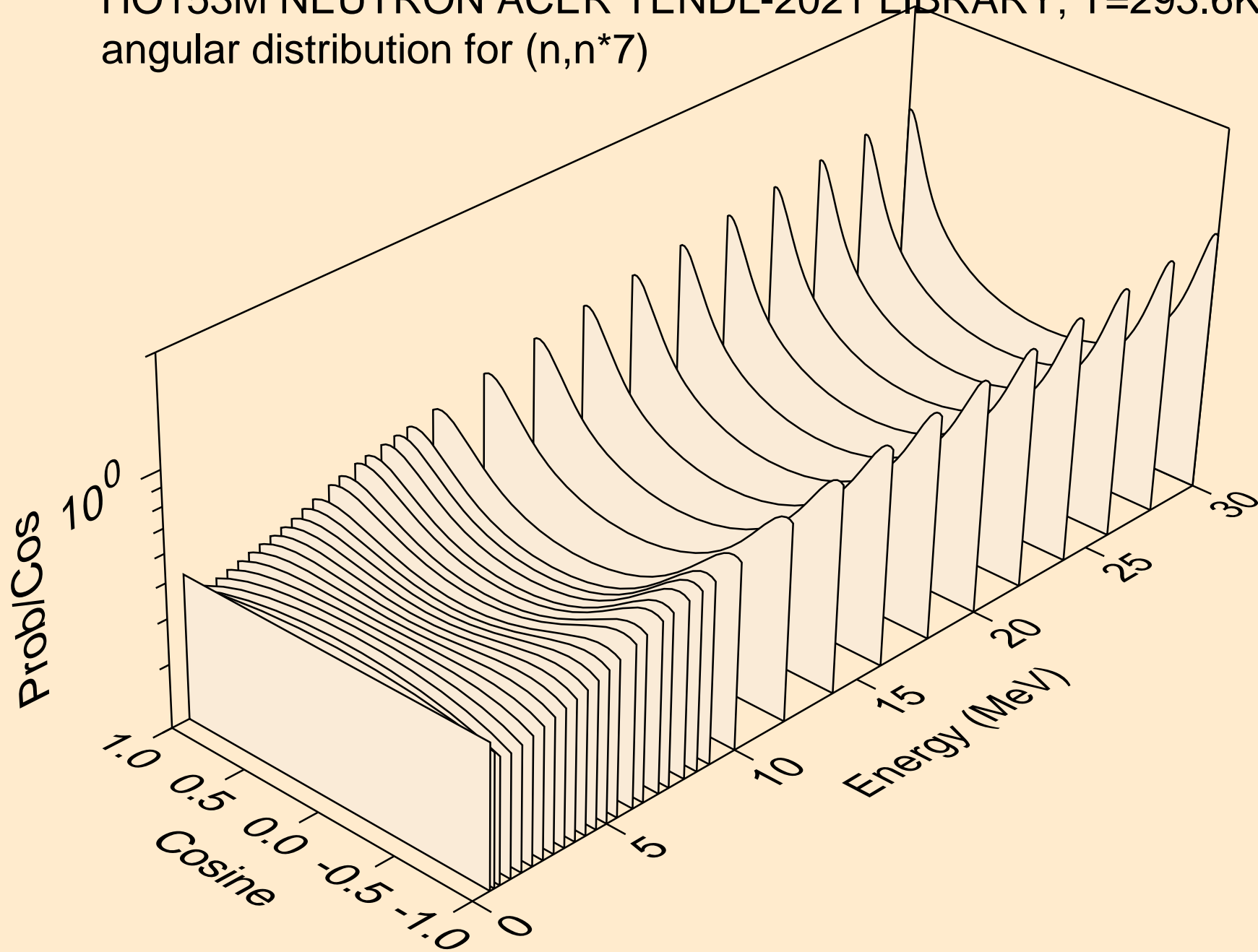
HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*5)



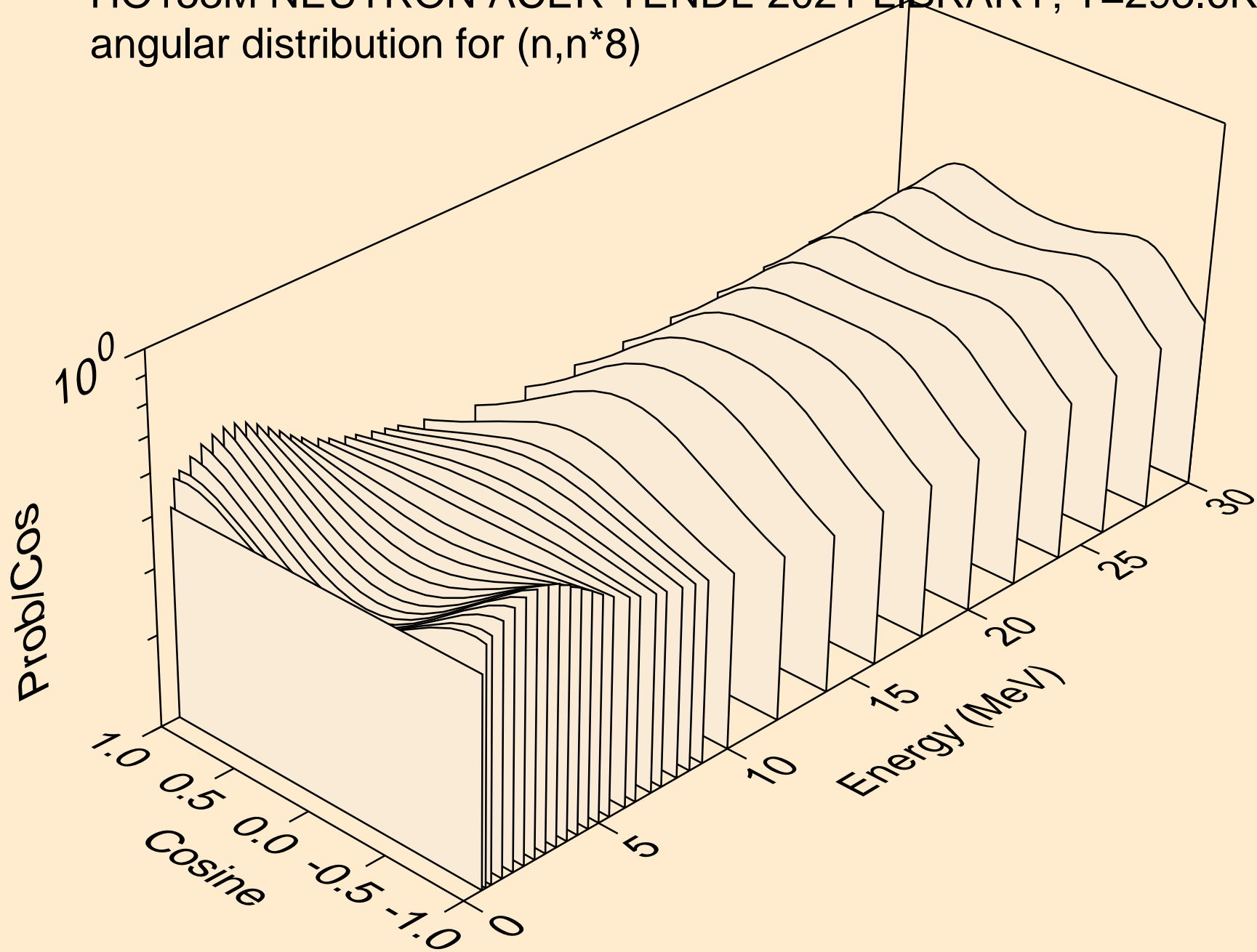
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angular distribution for (n,n\*6)



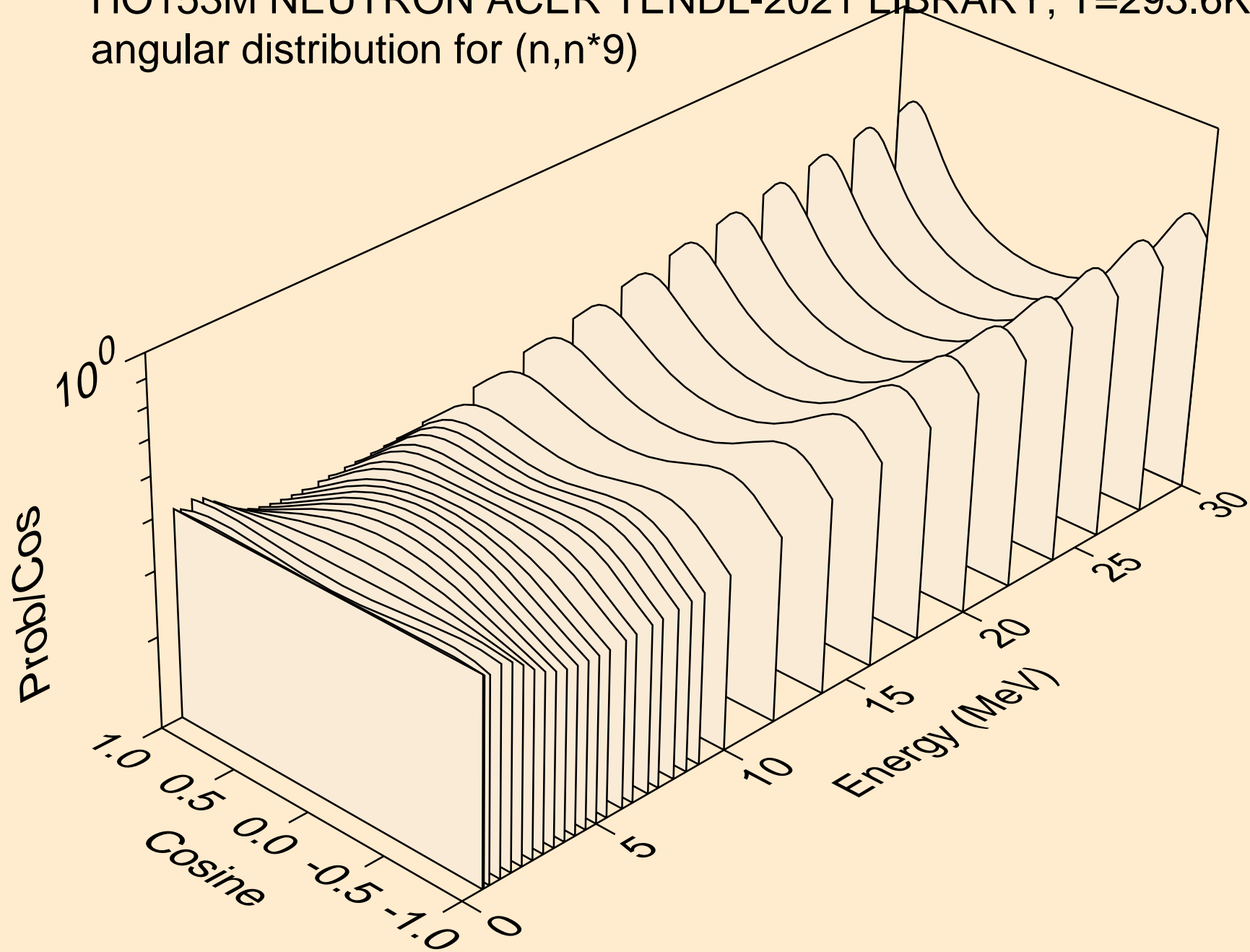
HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*7)



HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*8)

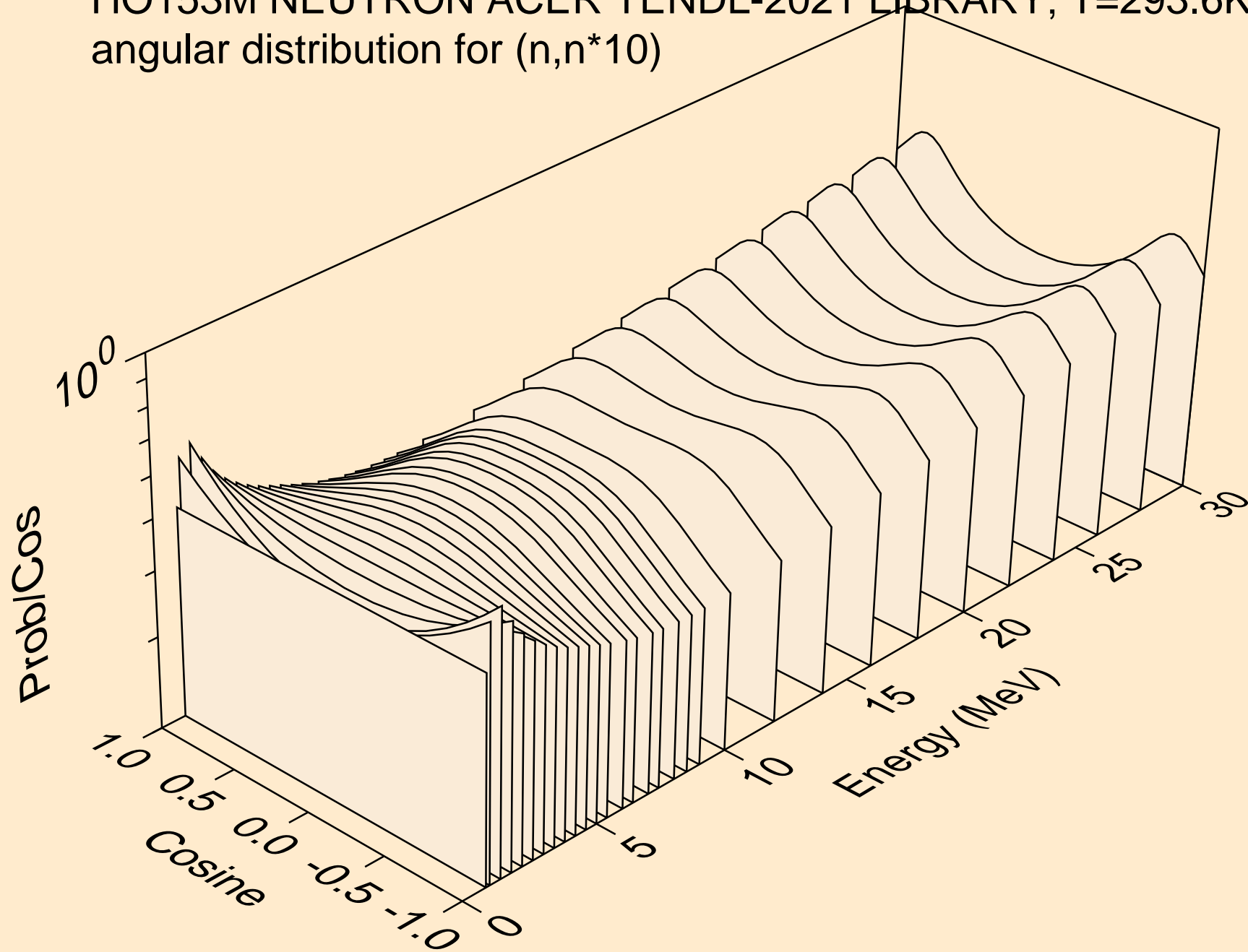


HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*9)

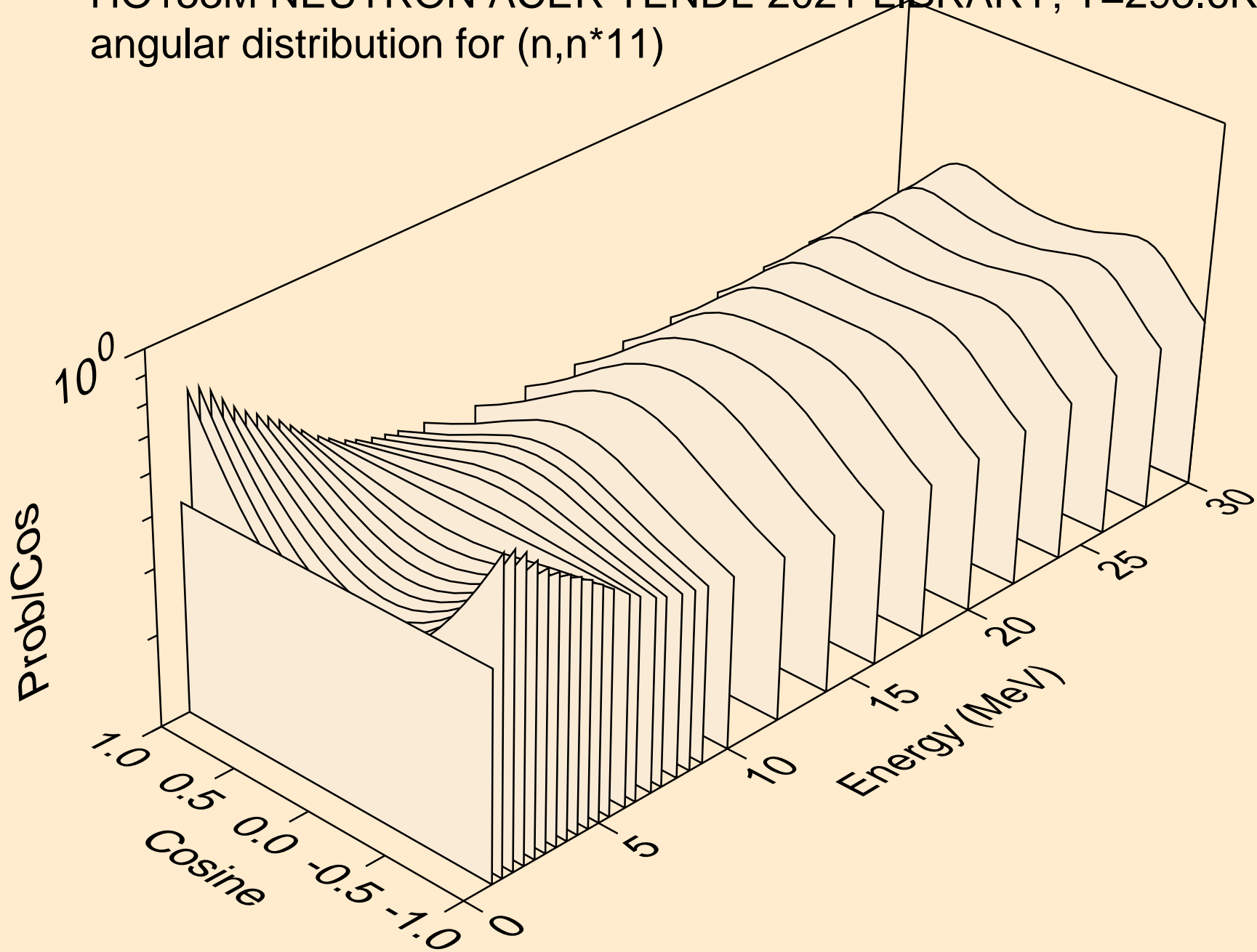




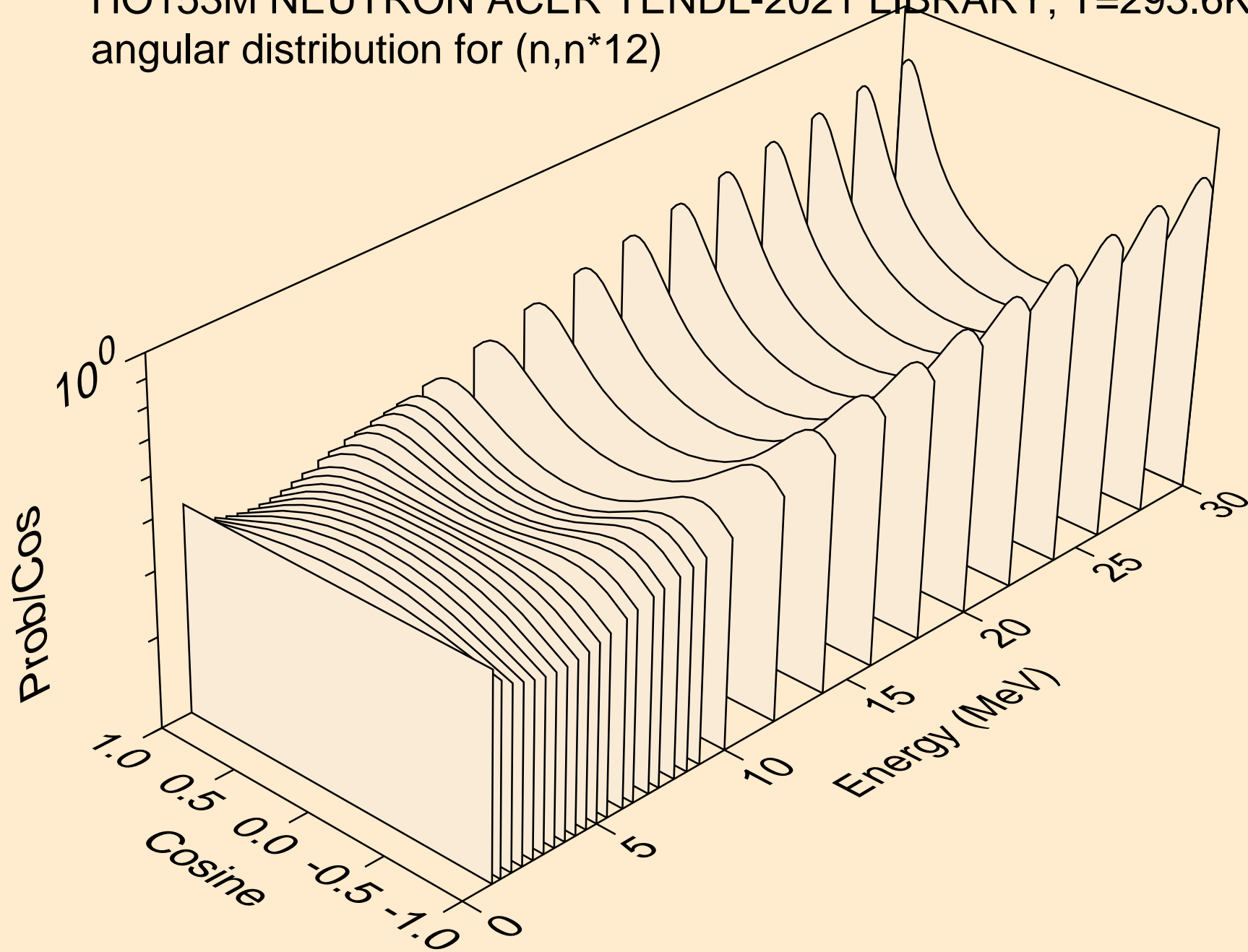
HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*10)



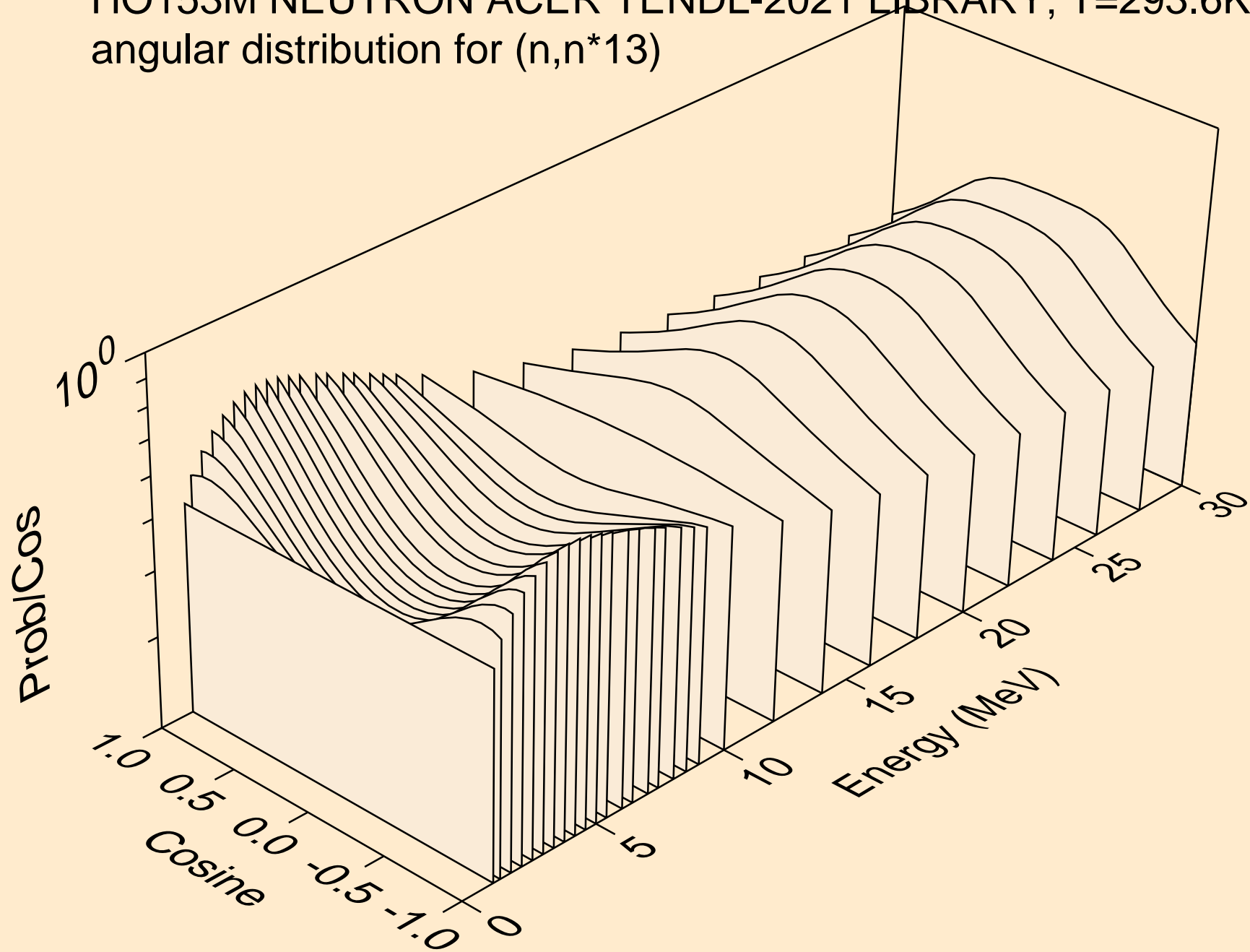
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angular distribution for (n,n\*11)



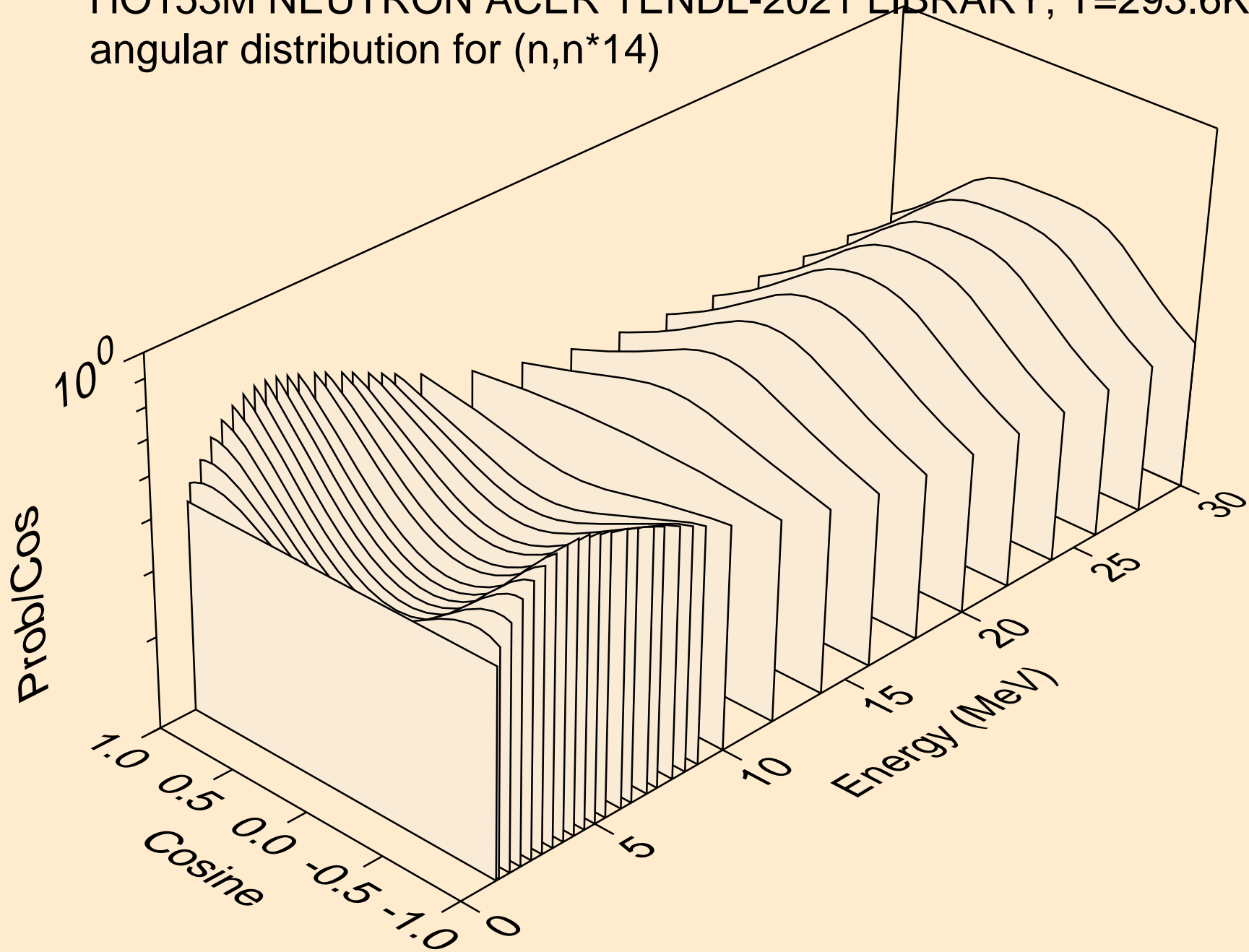
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angular distribution for (n,n\*12)



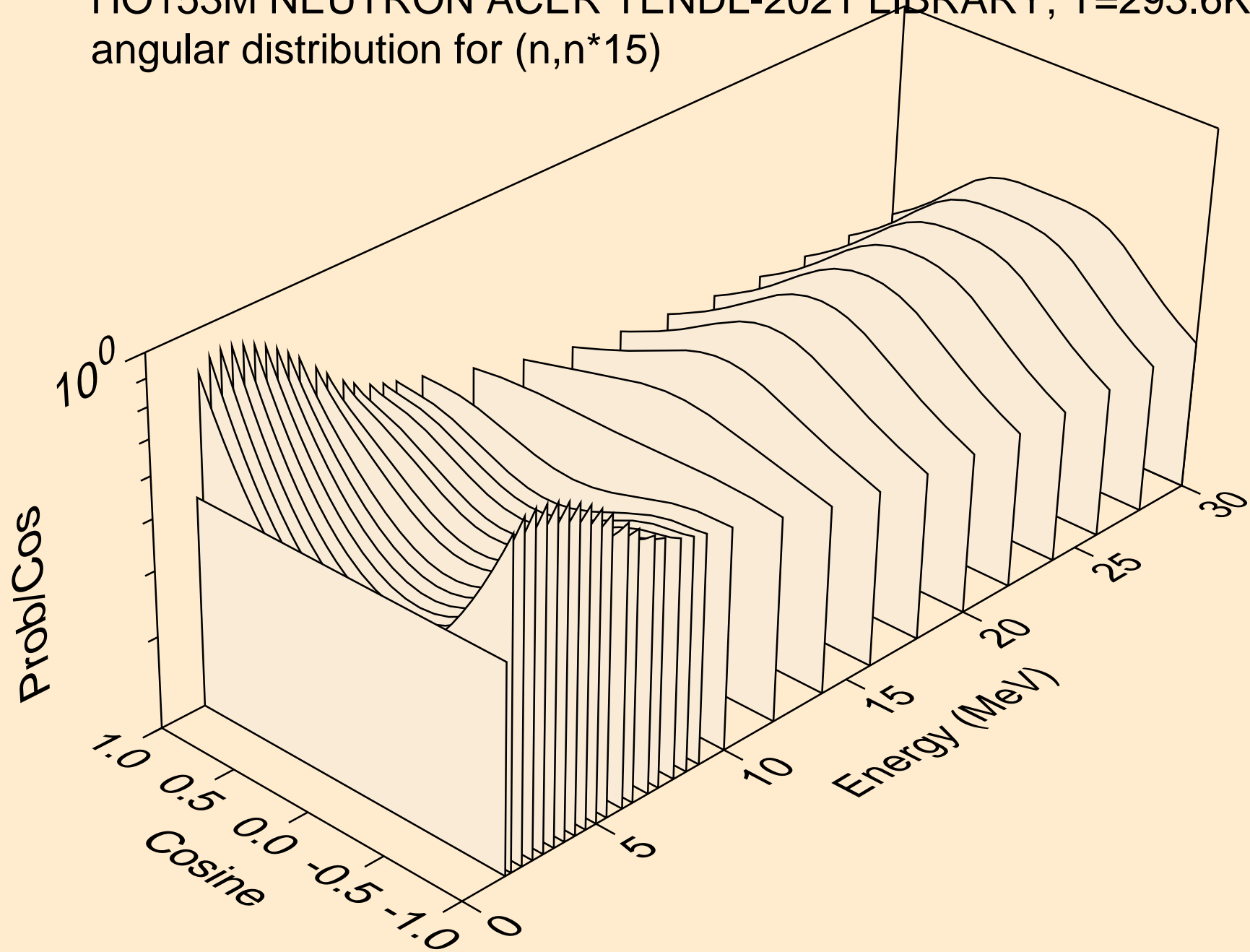
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angular distribution for (n,n\*13)



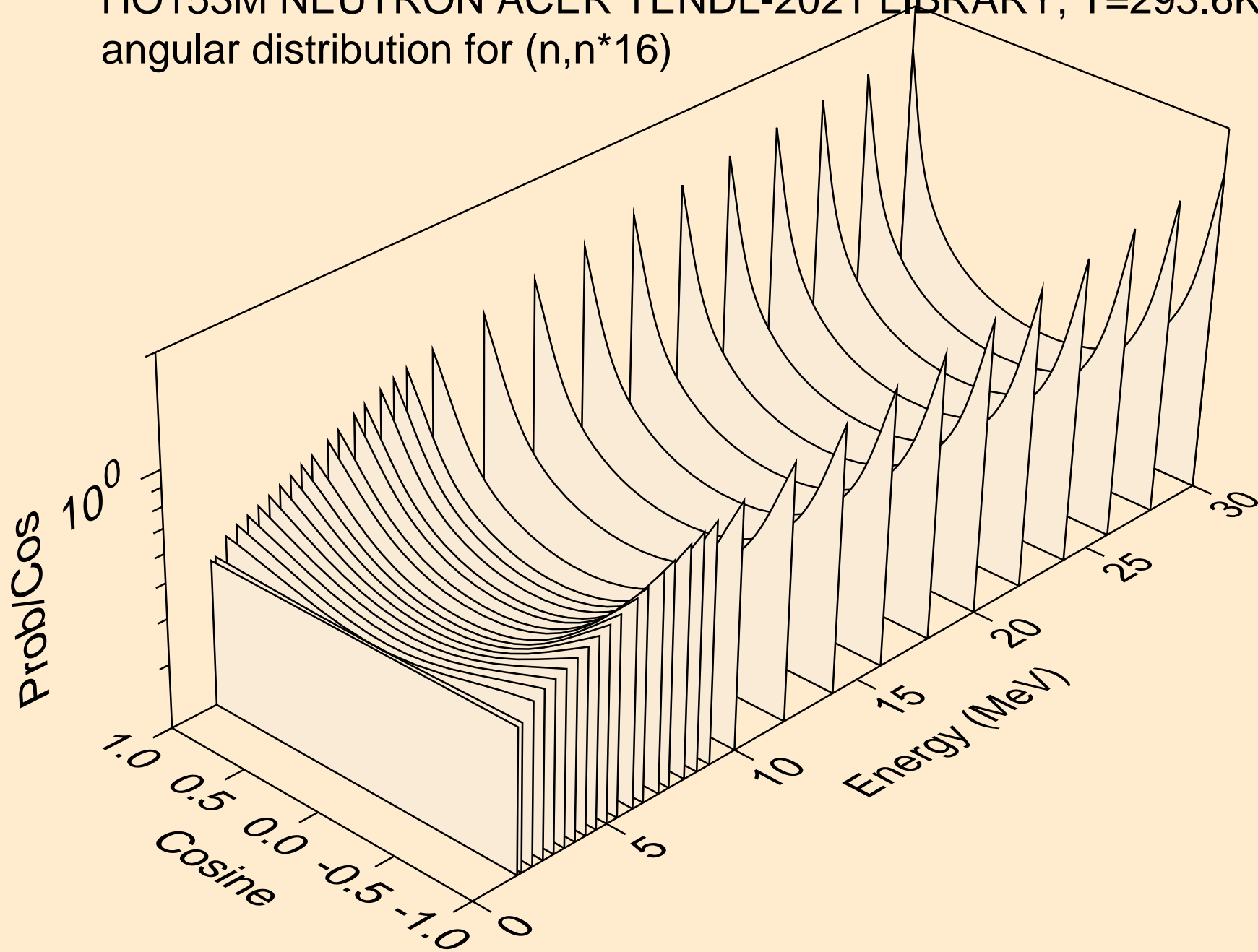
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angular distribution for (n,n\*14)



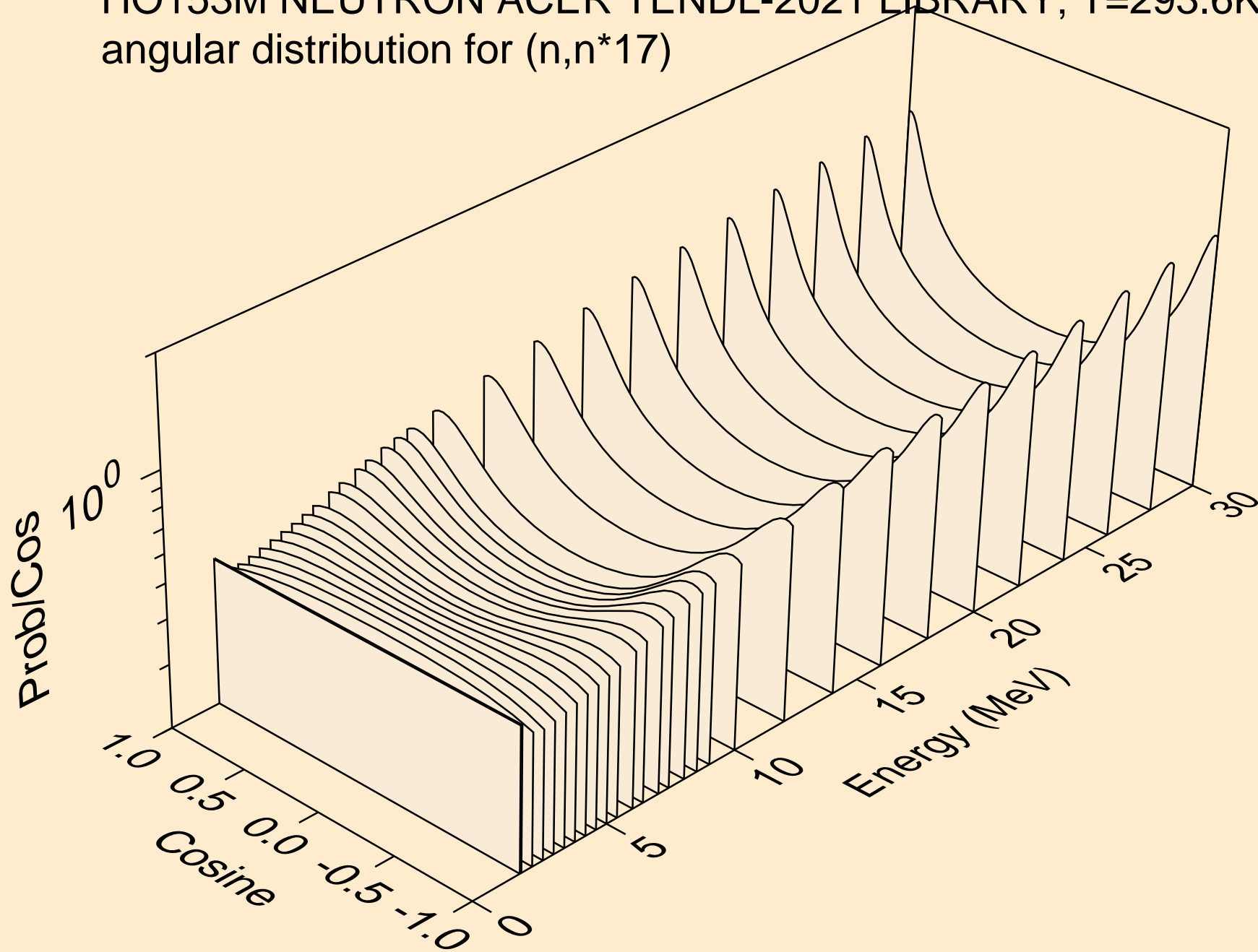
HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*15)



HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*16)

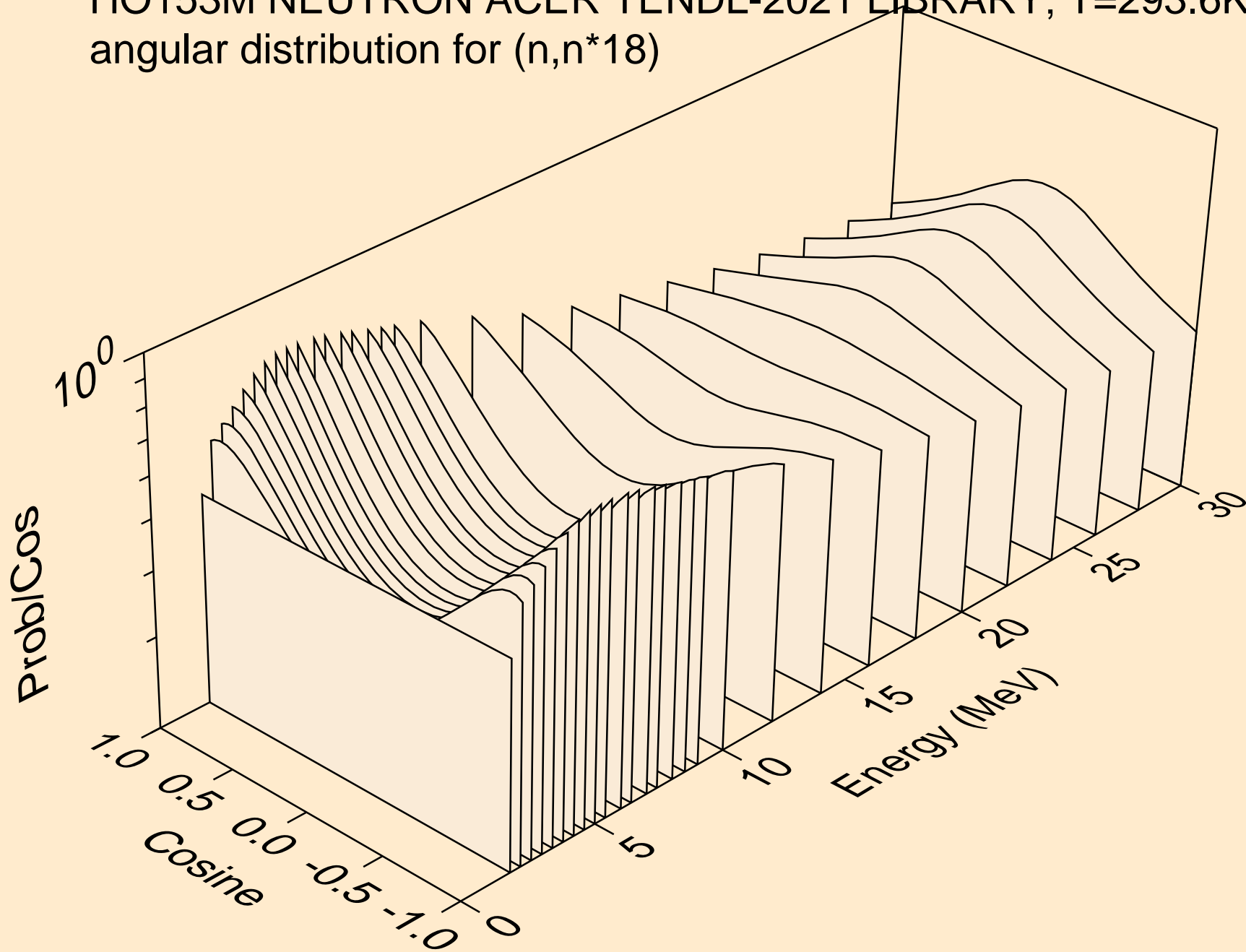


HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*17)

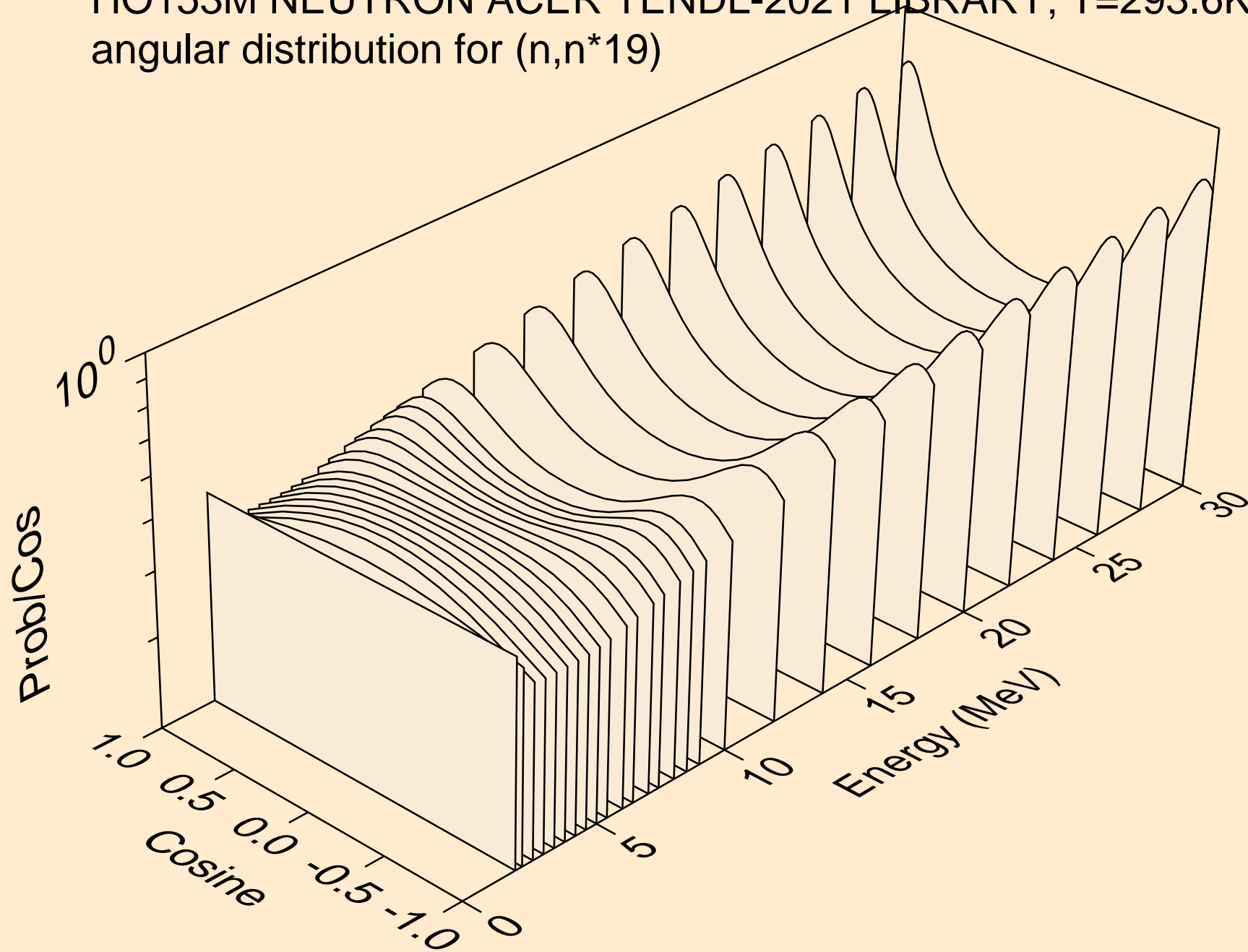




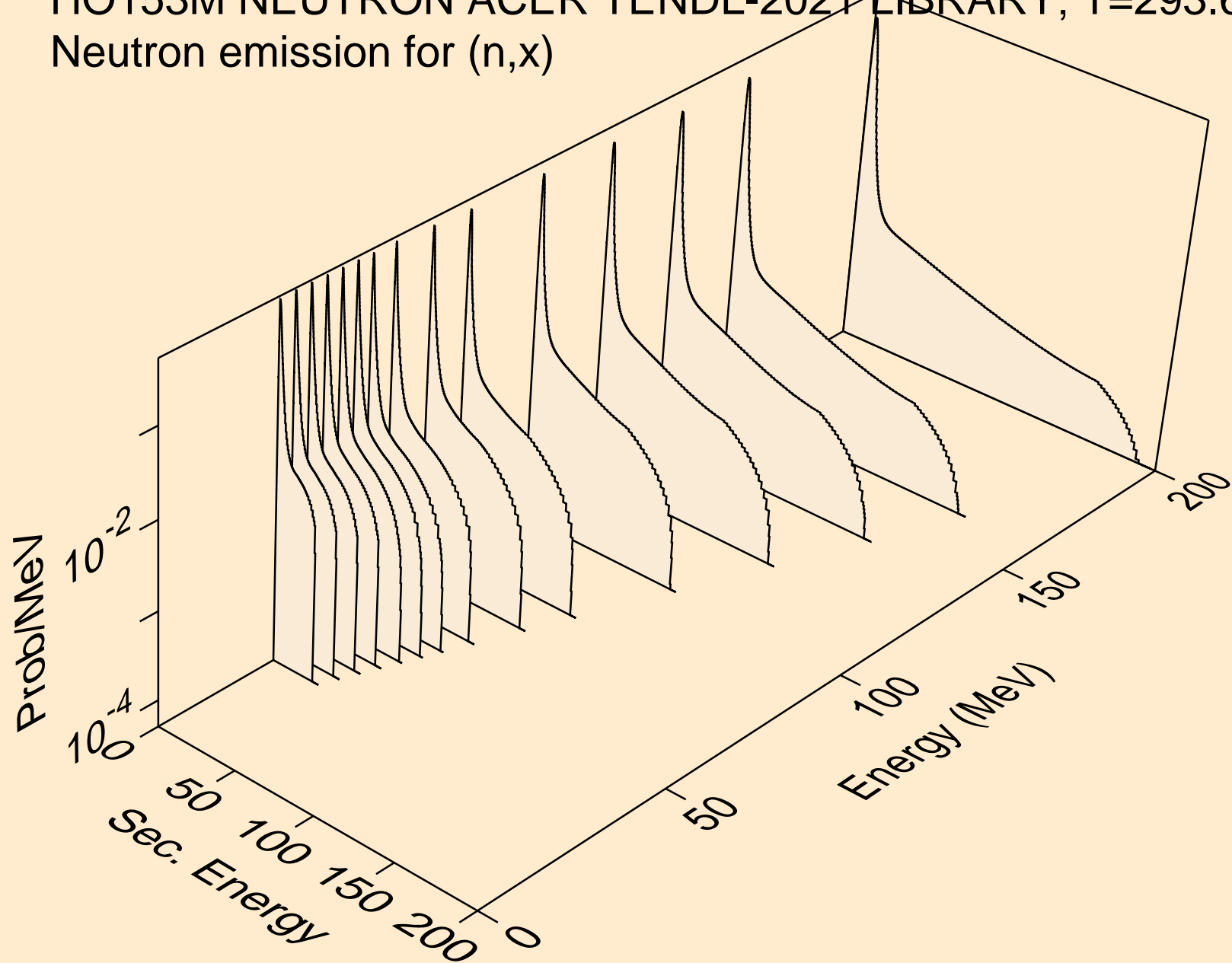
HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*18)



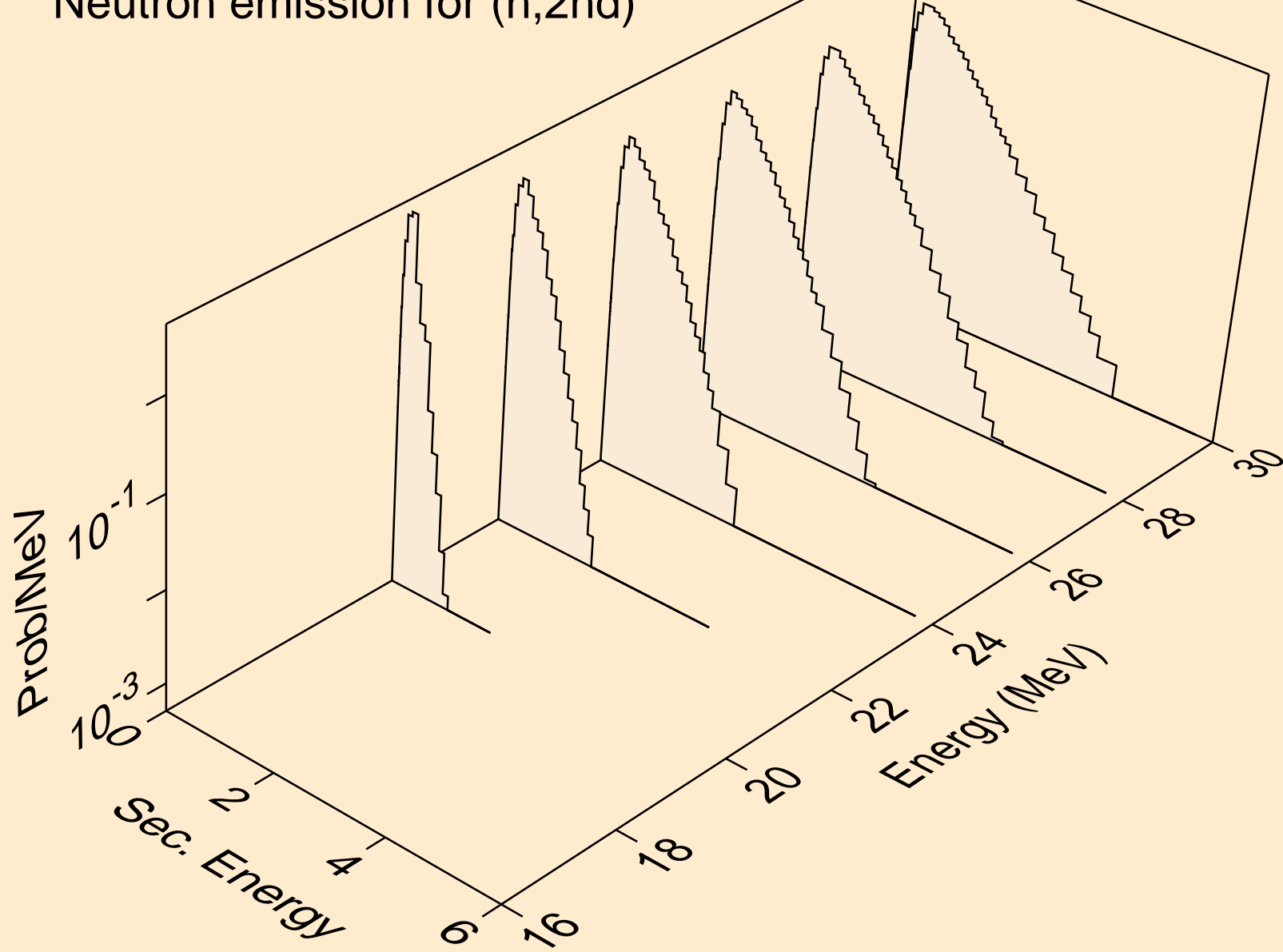
HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*19)



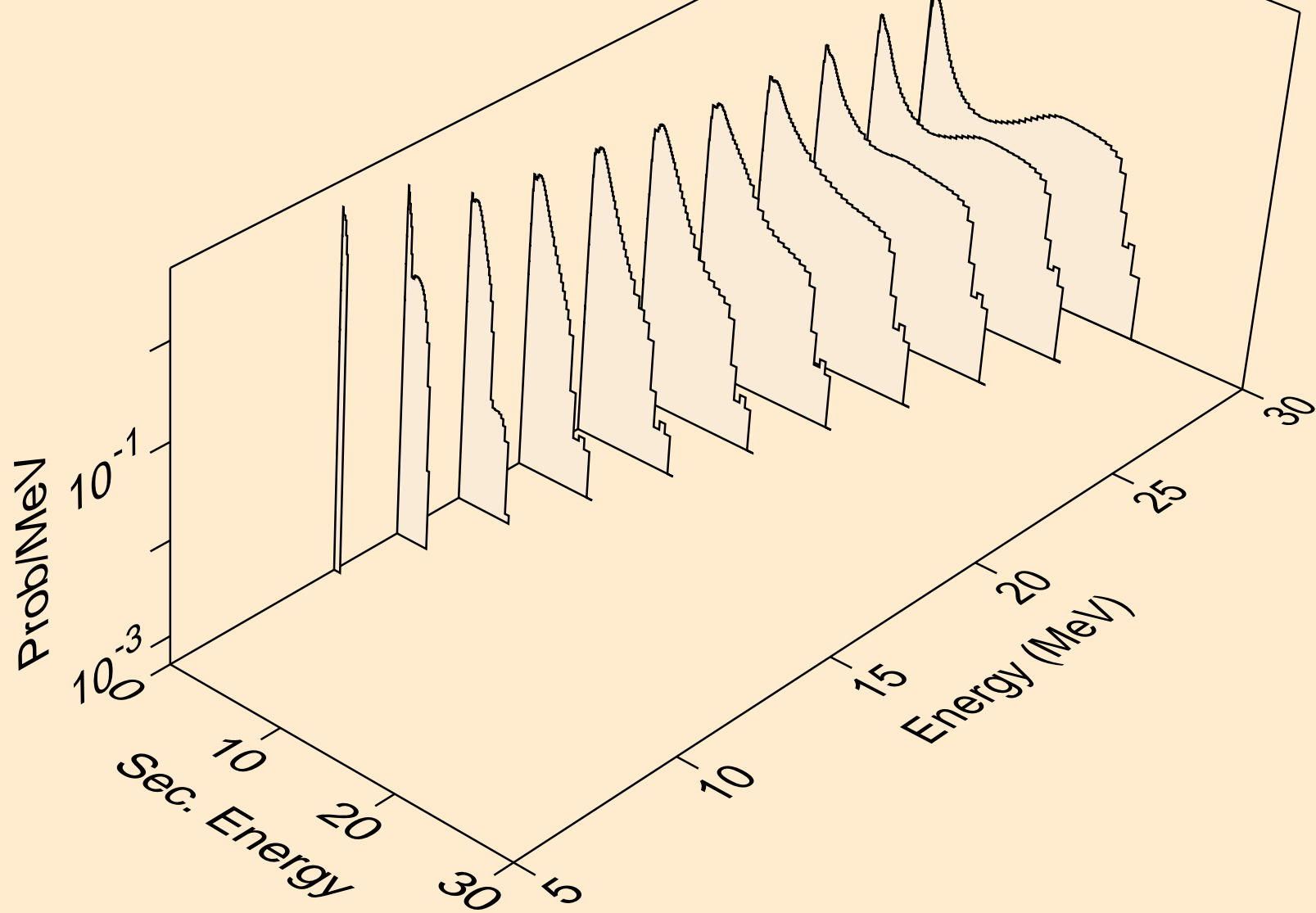
HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,x)



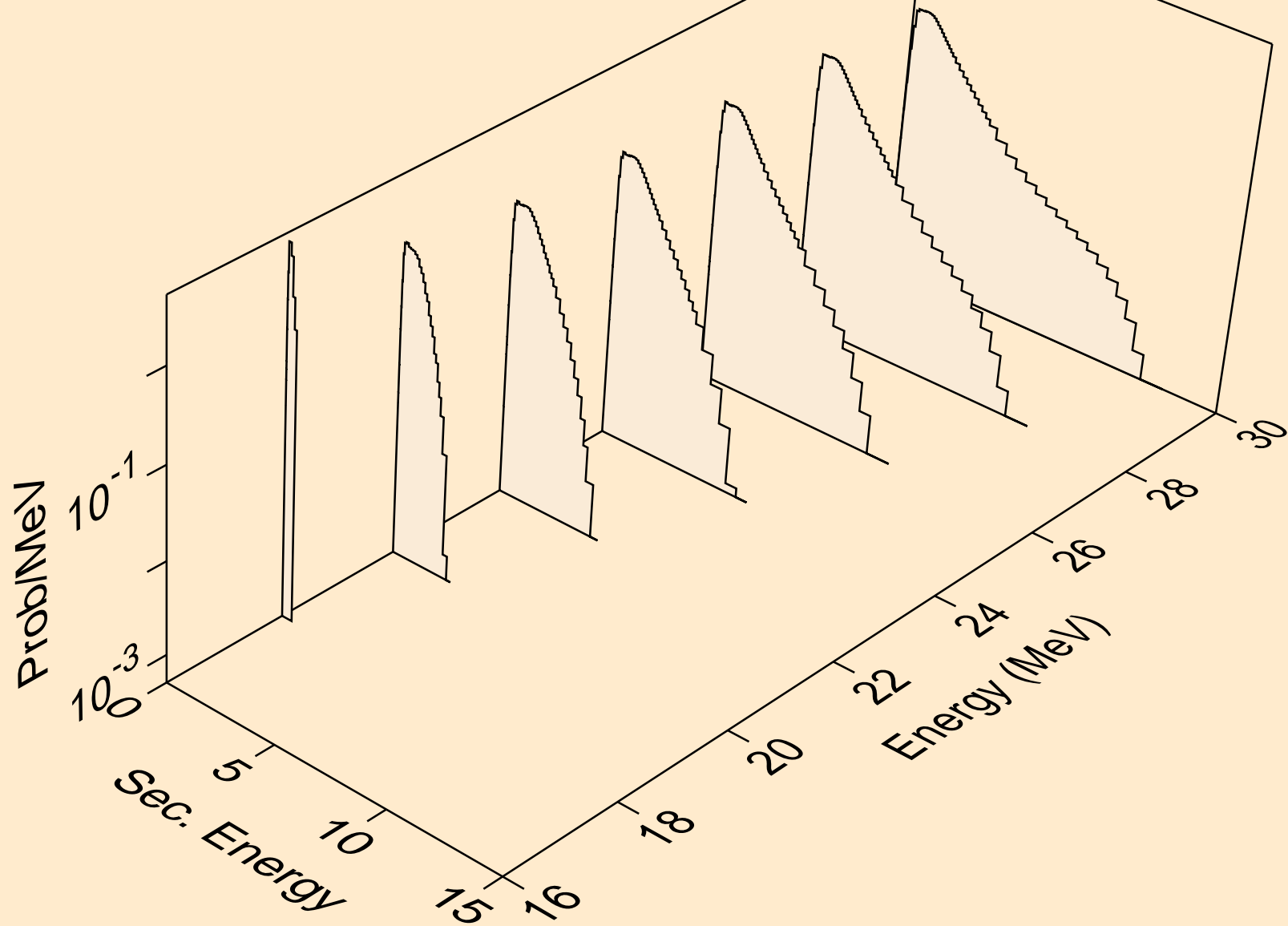
HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2nd)



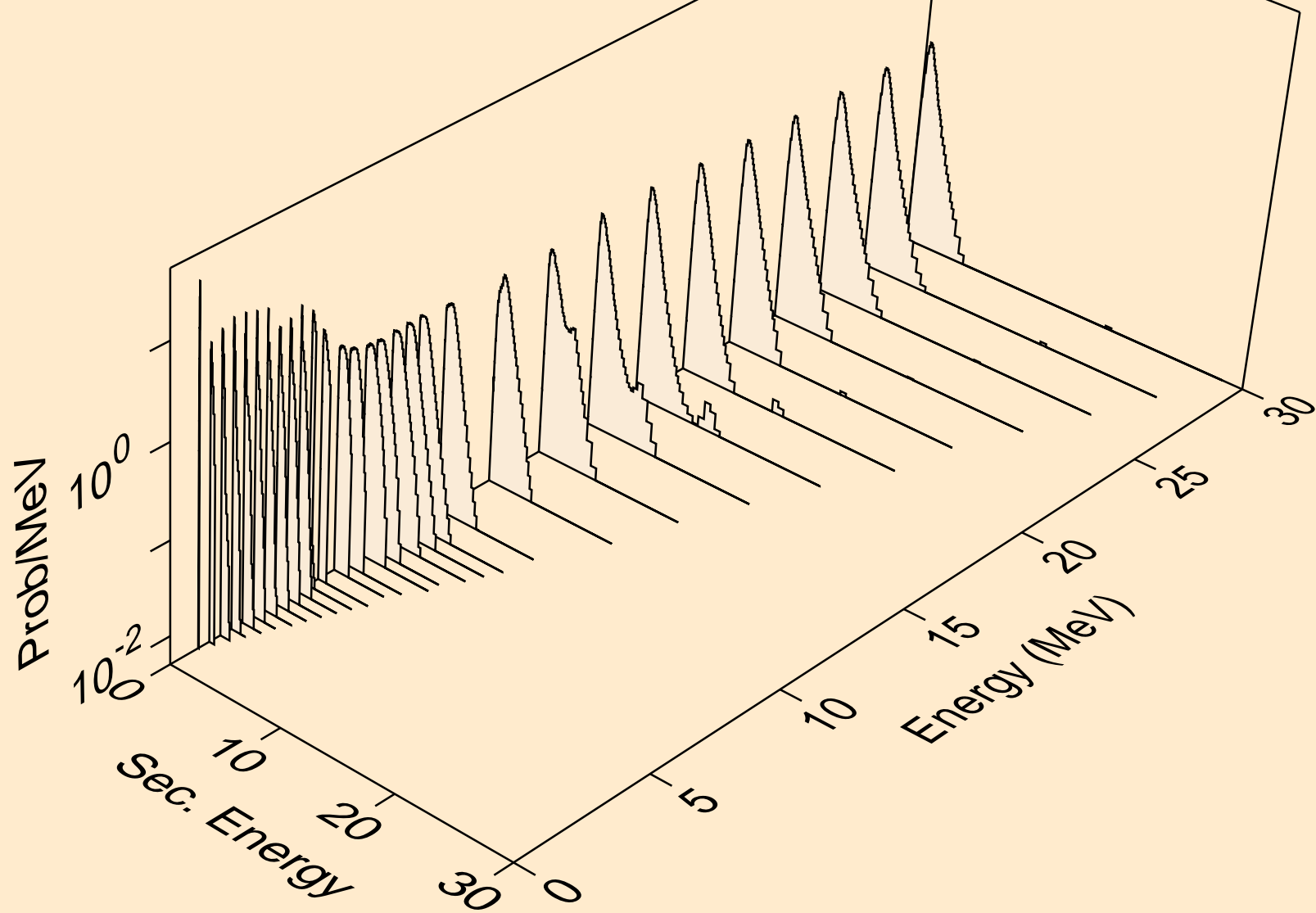
HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)



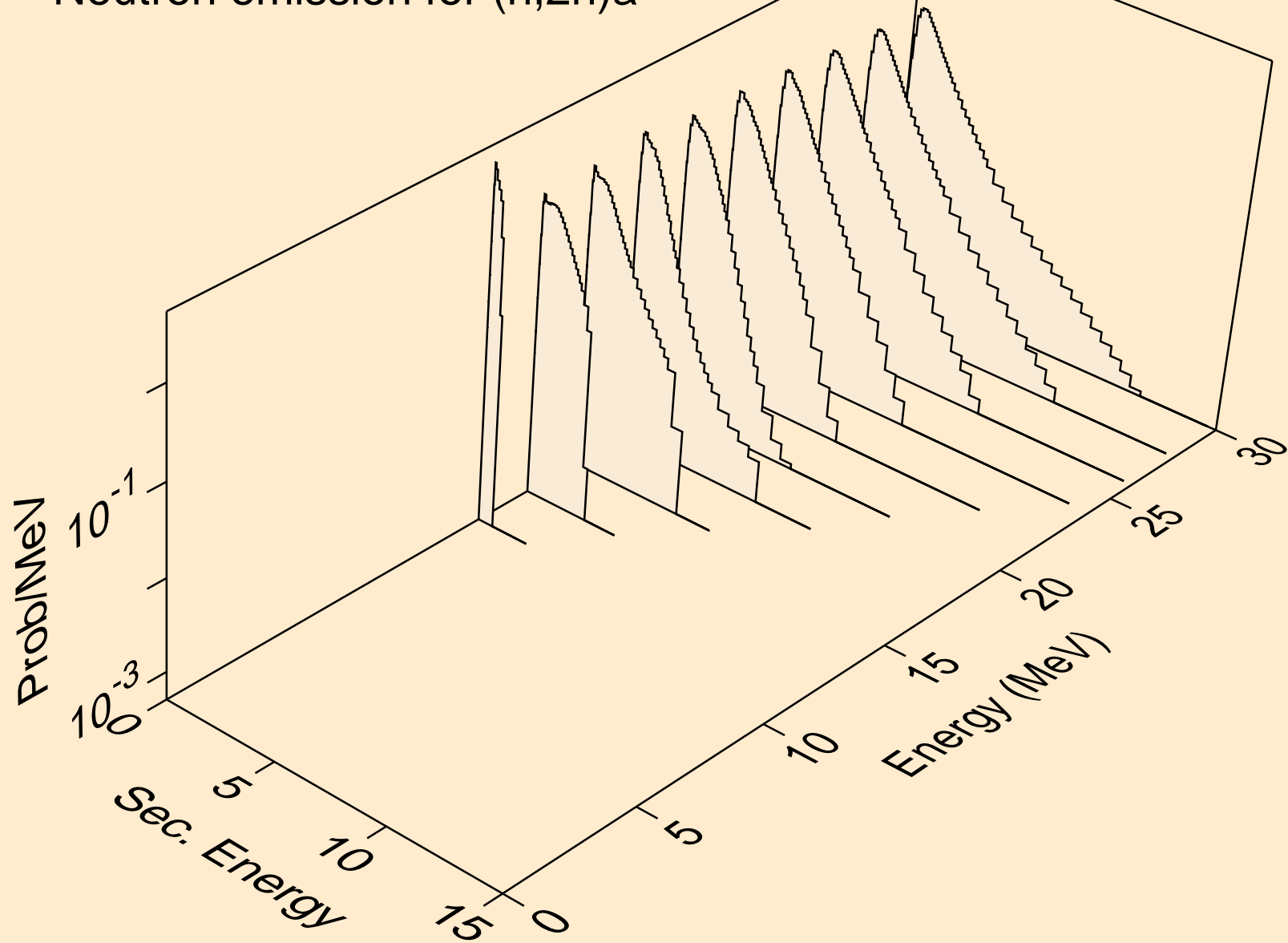
HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3n)



HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)a

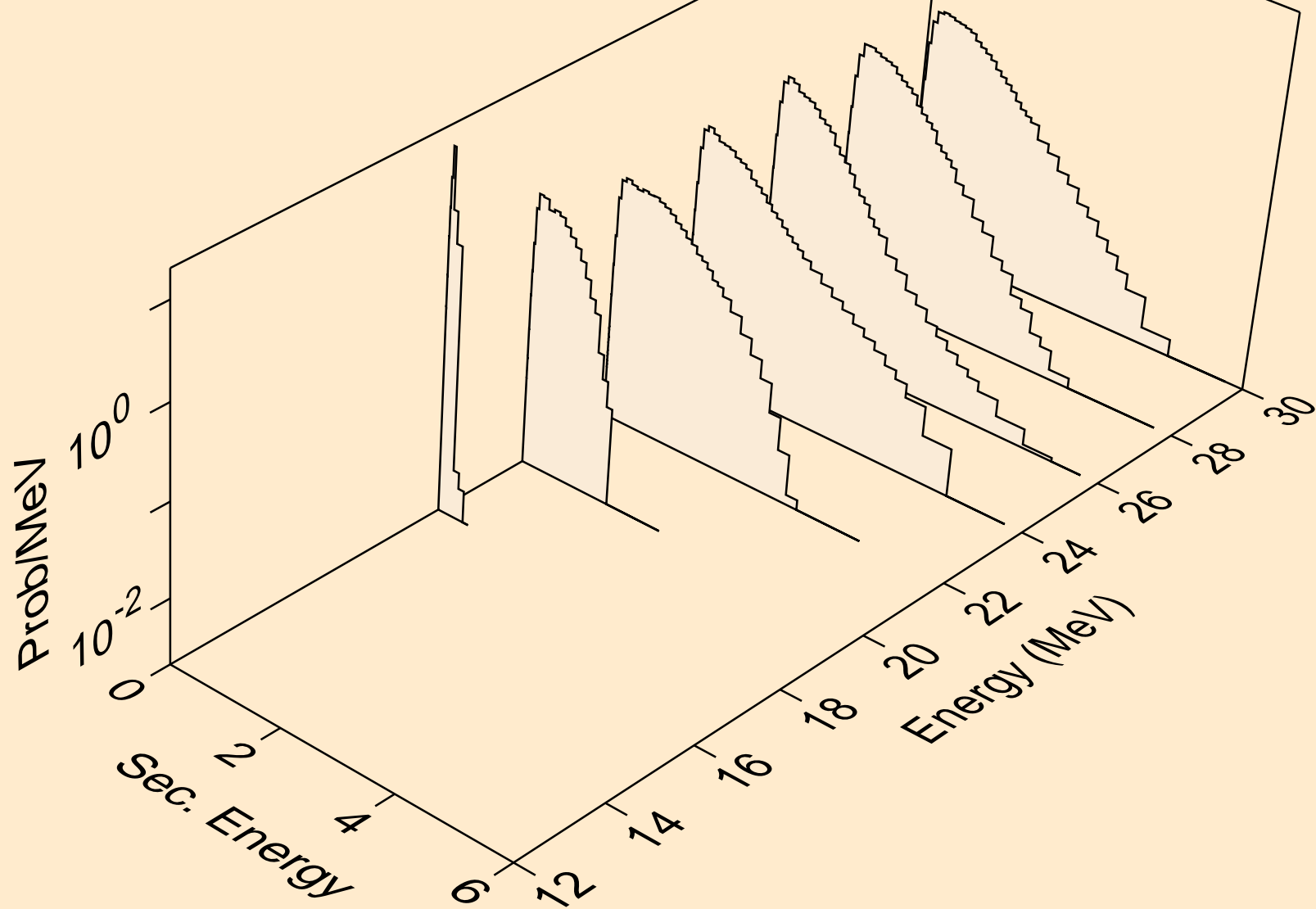


HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)a

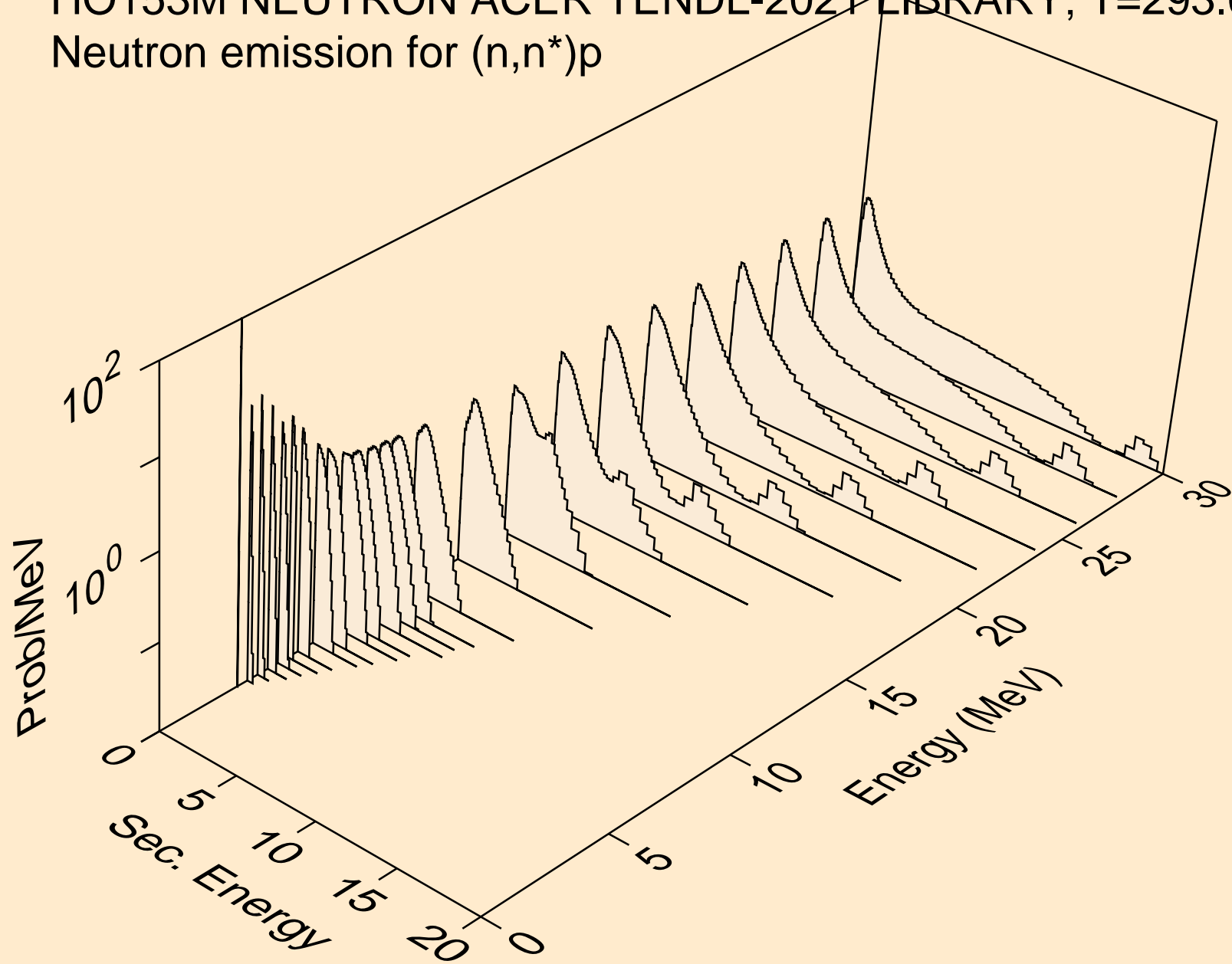




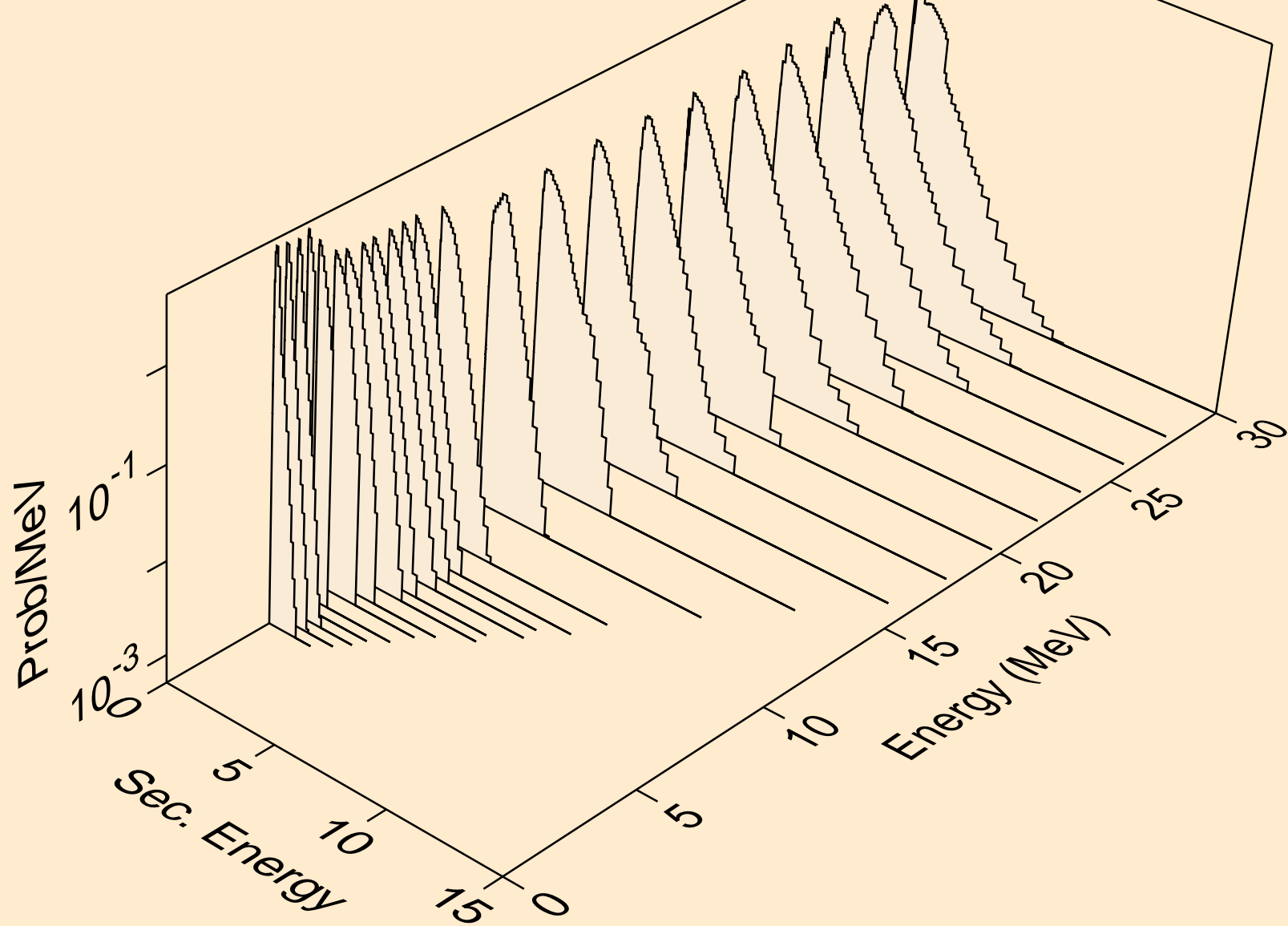
HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3n)a



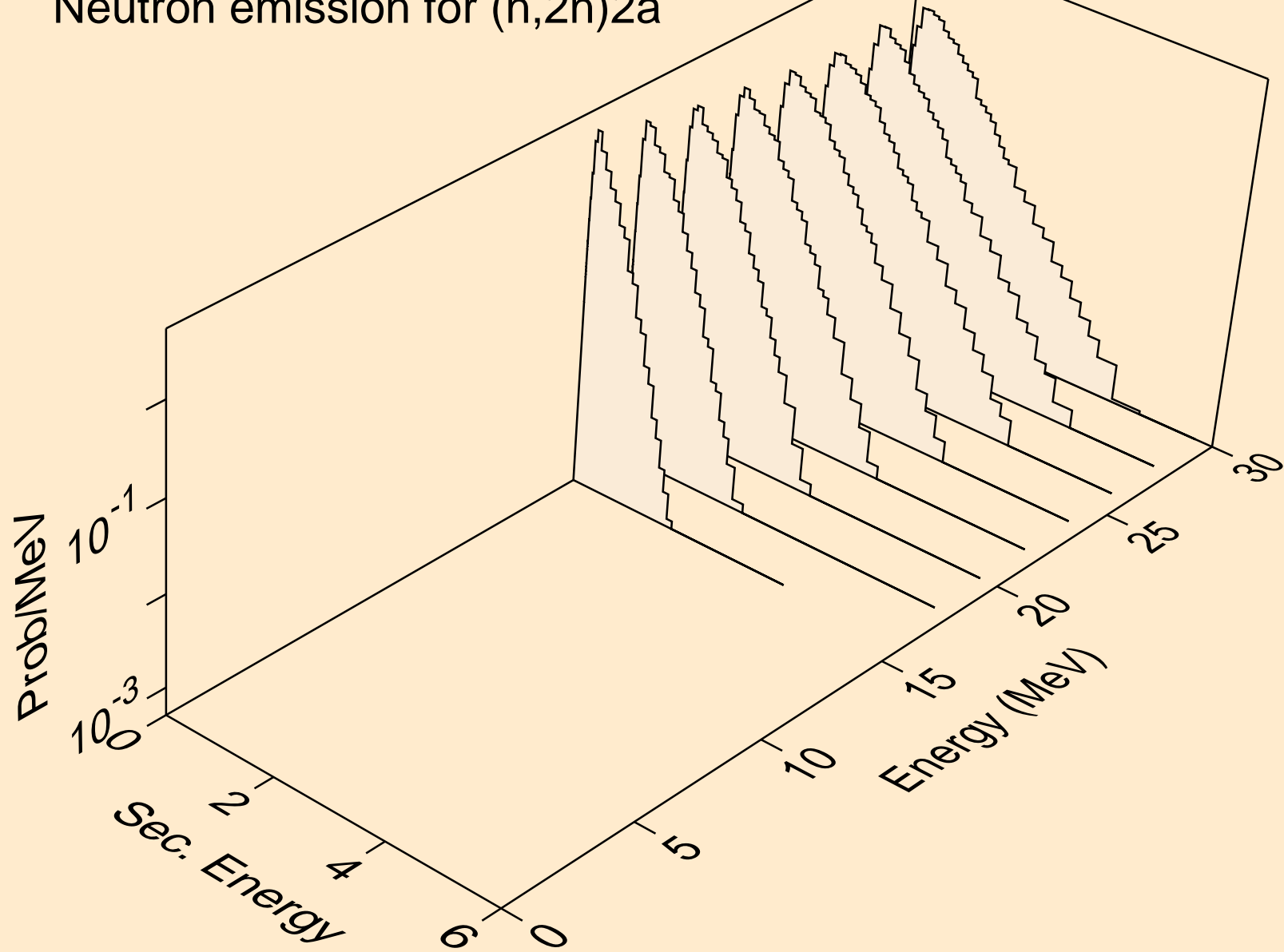
HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)p



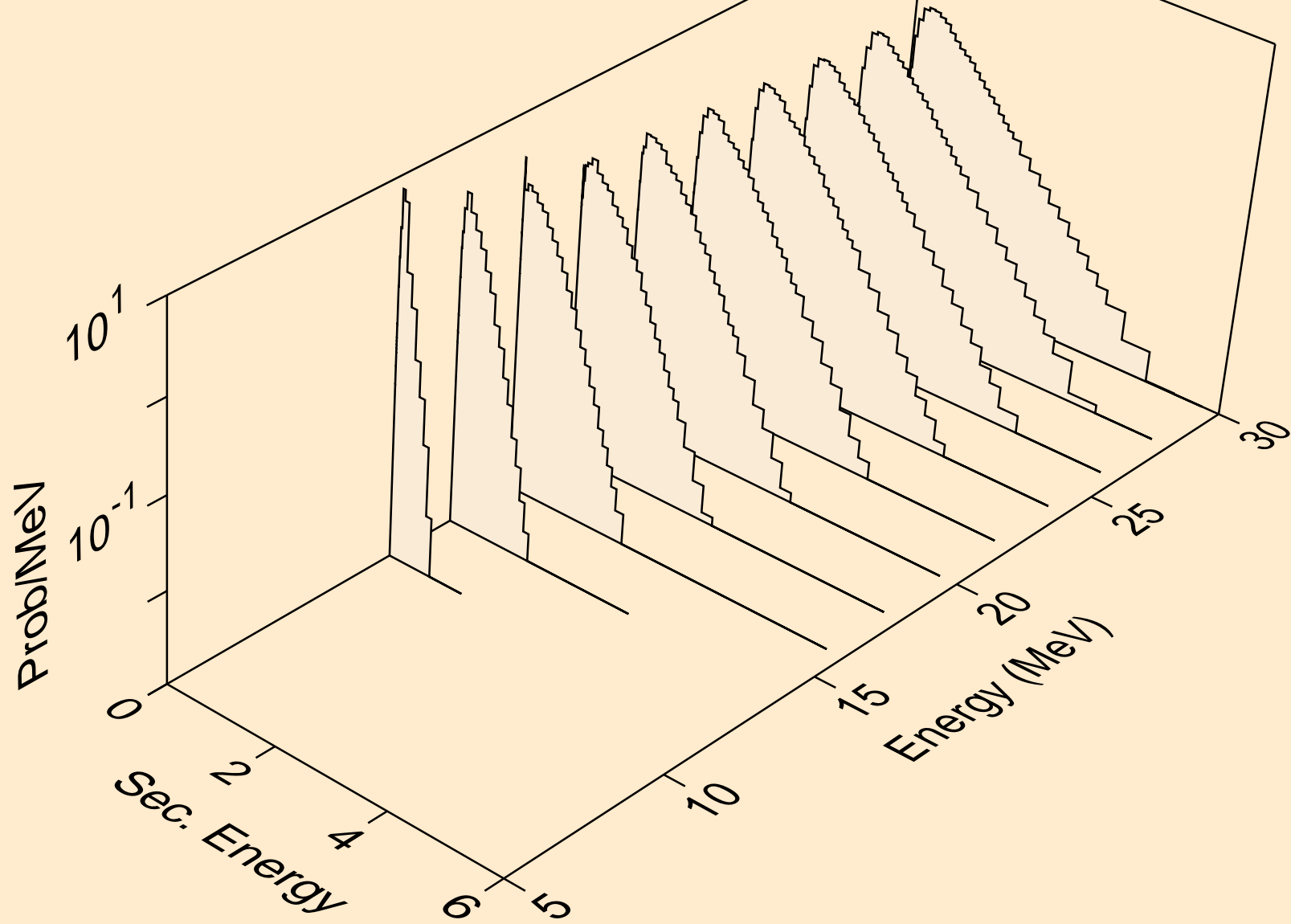
HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)2a



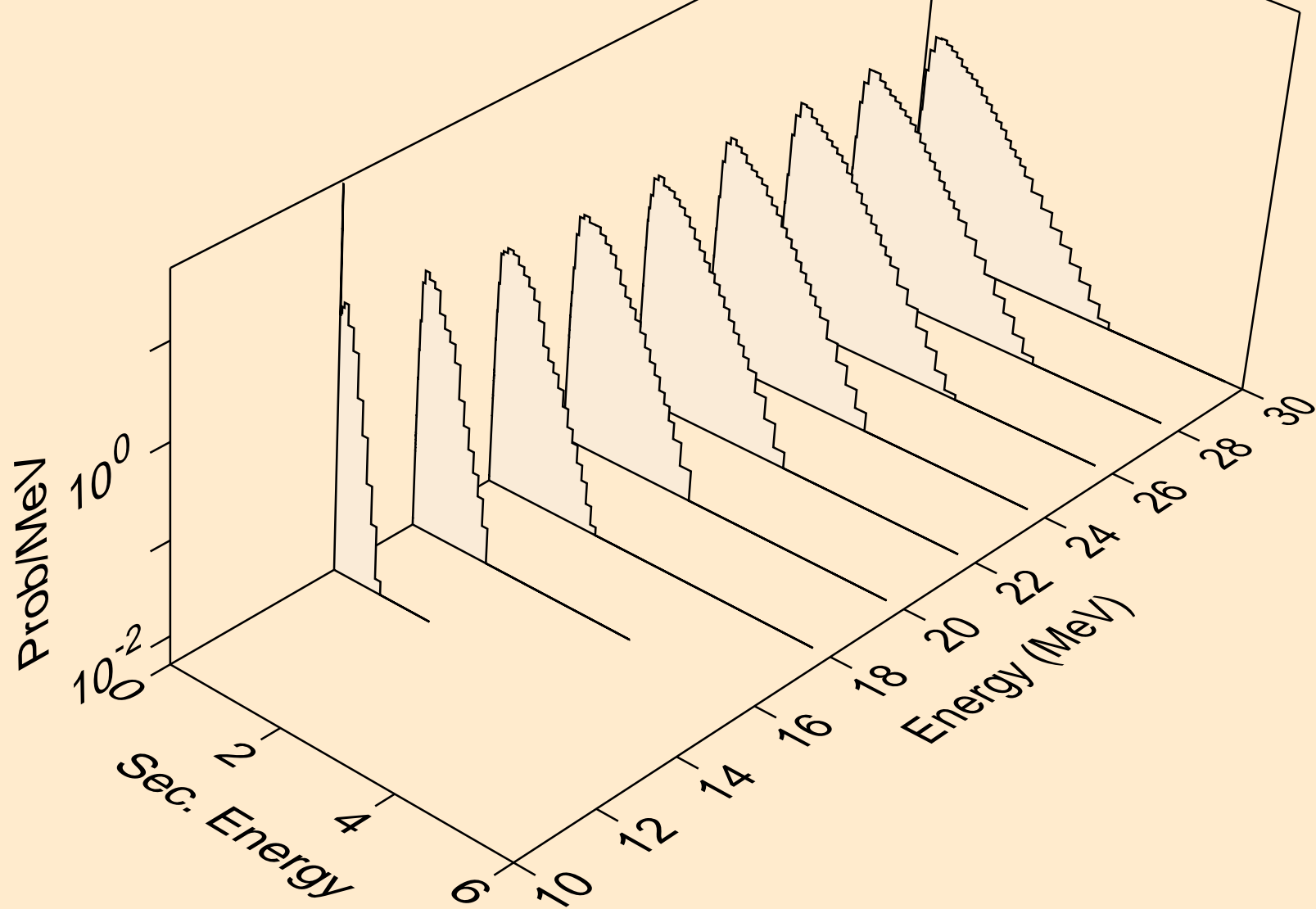
HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)2a



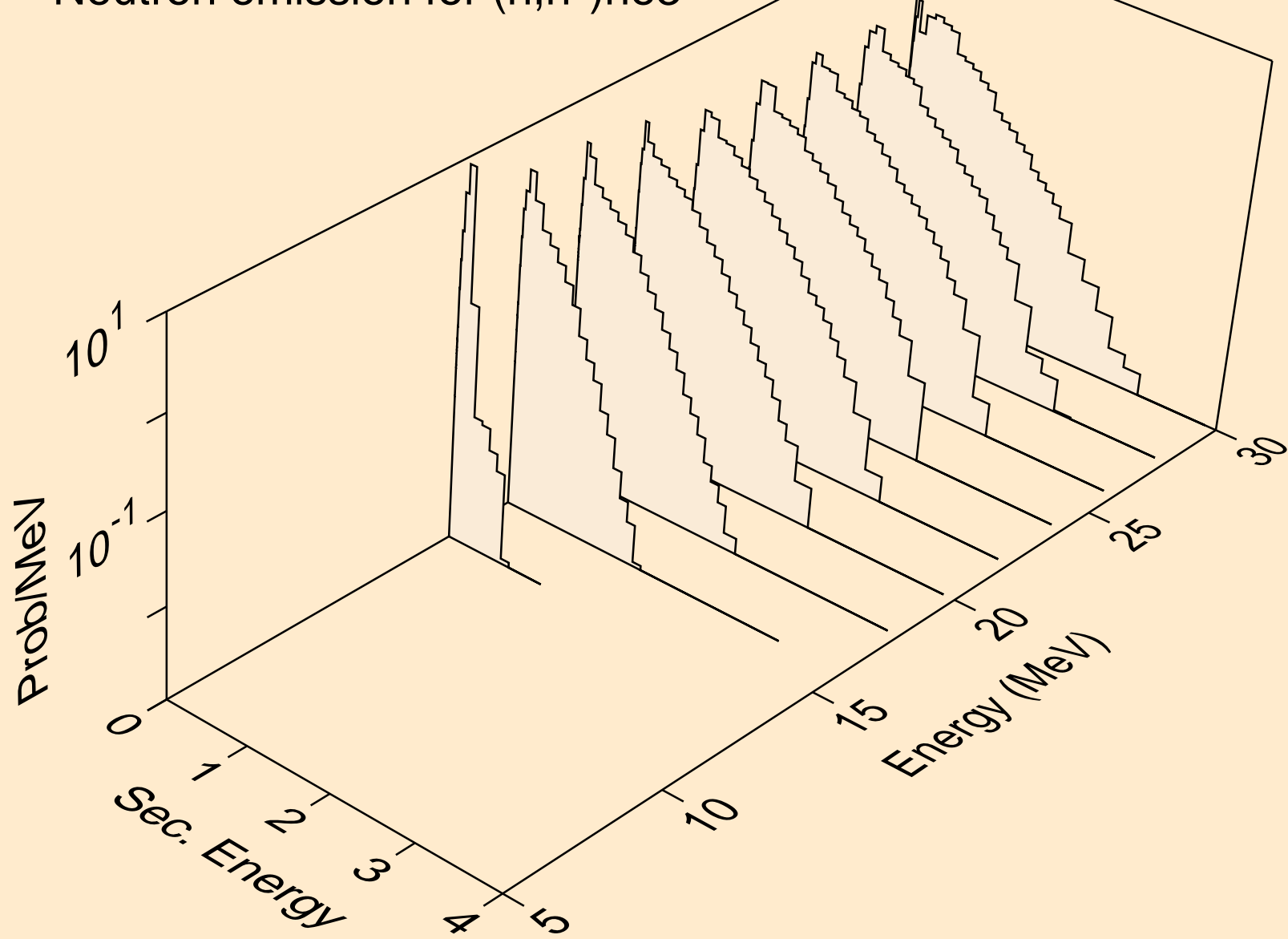
HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)d



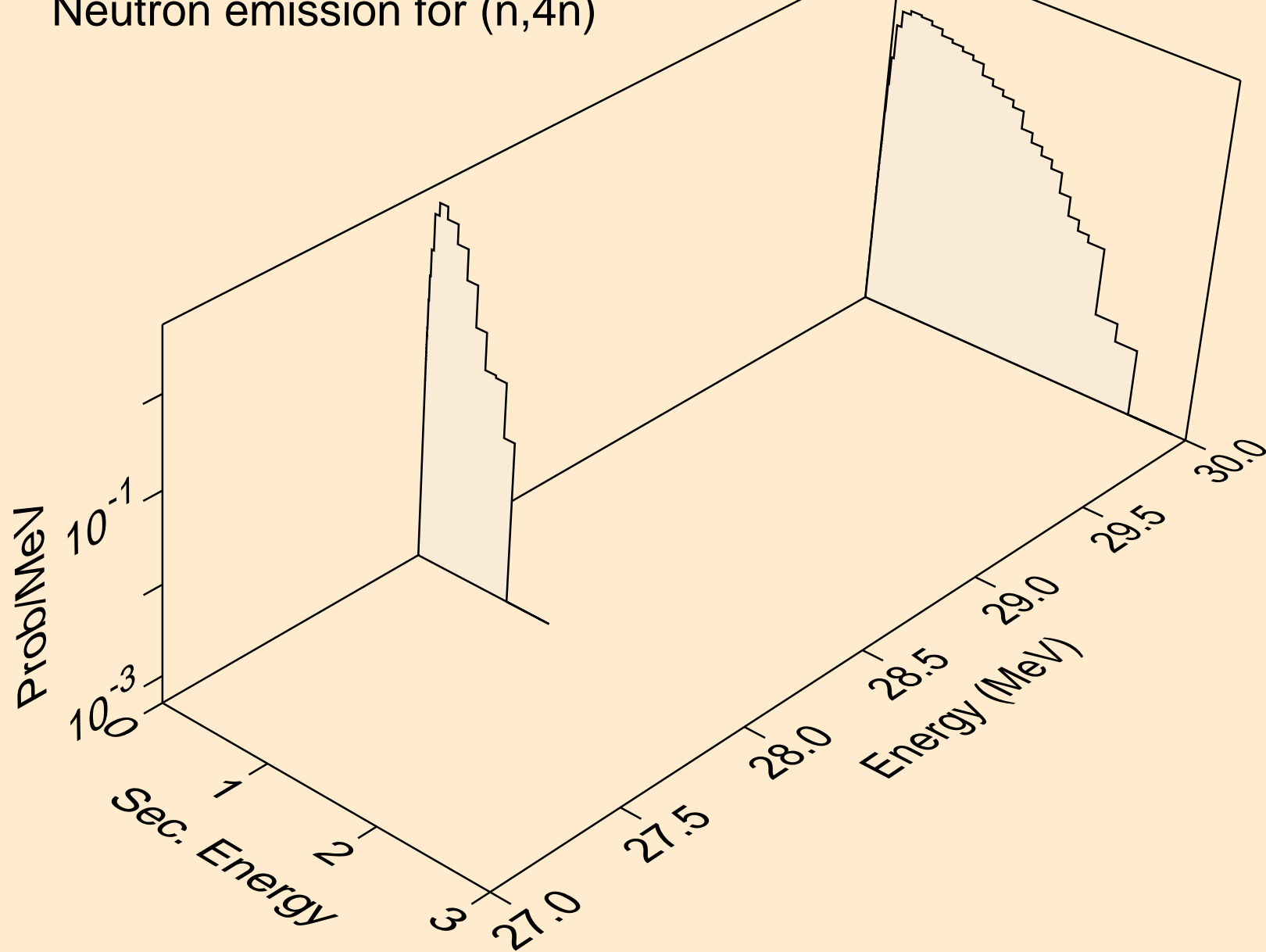
HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)t



HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)he3

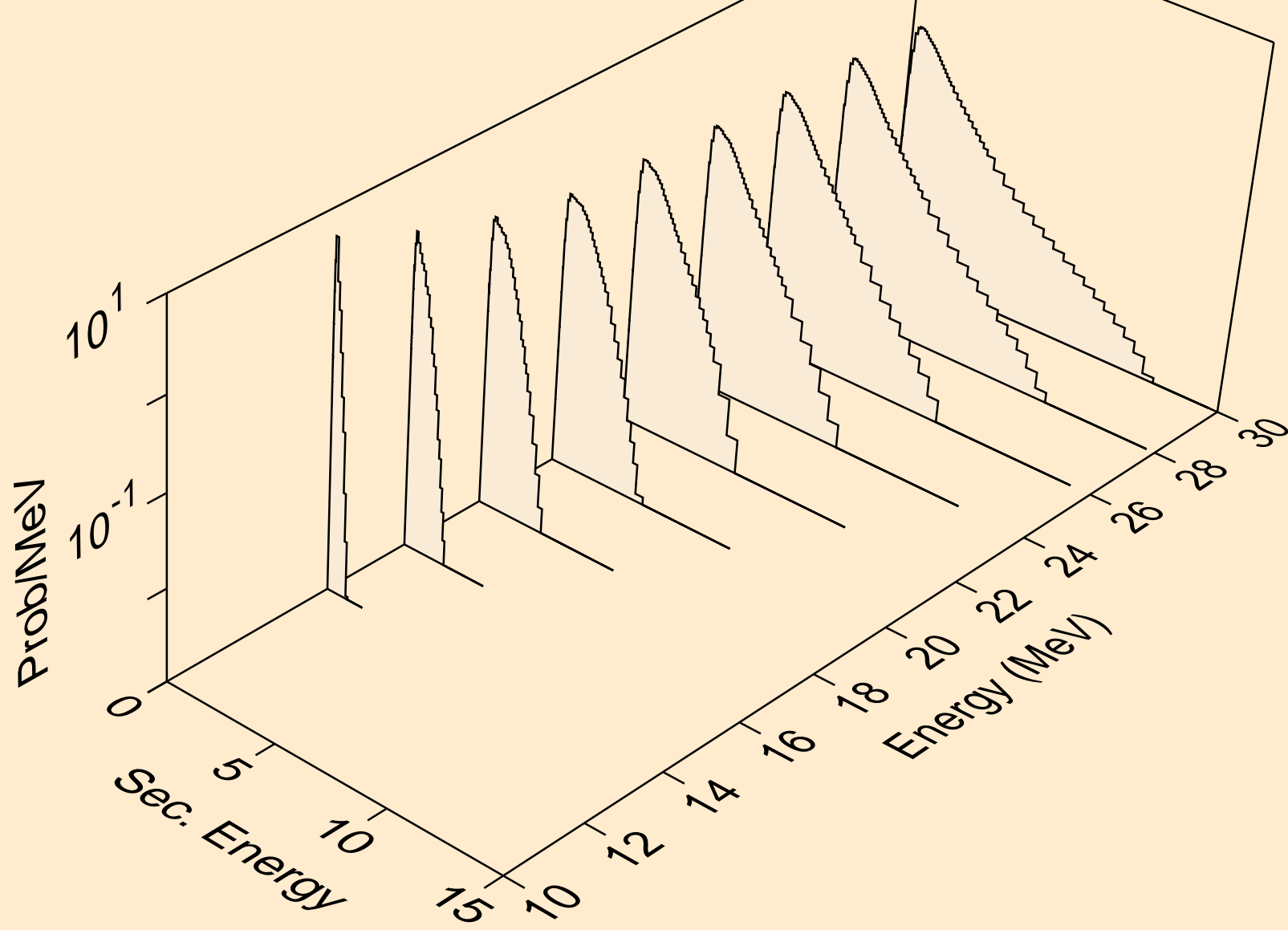


HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,4n)

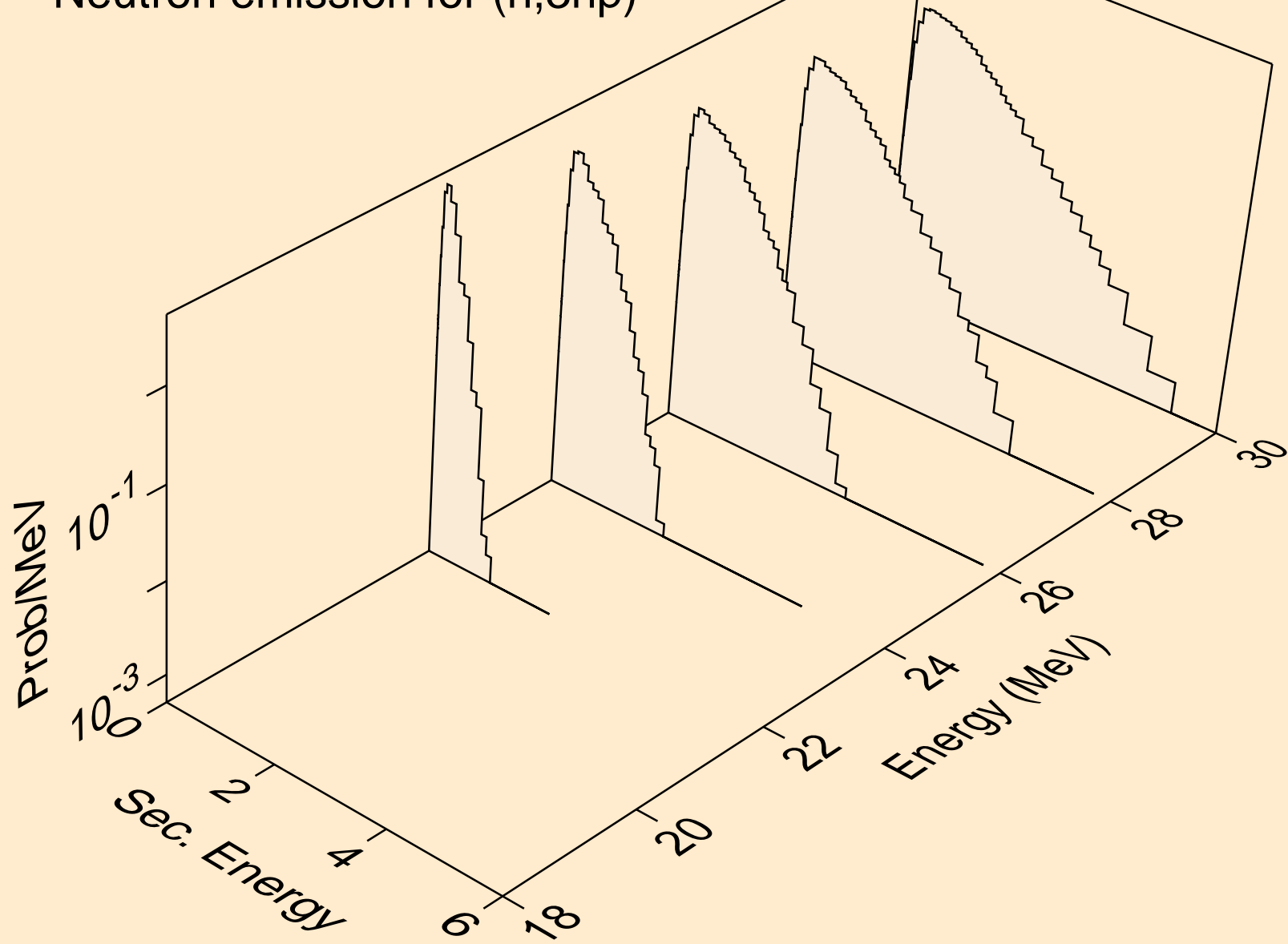




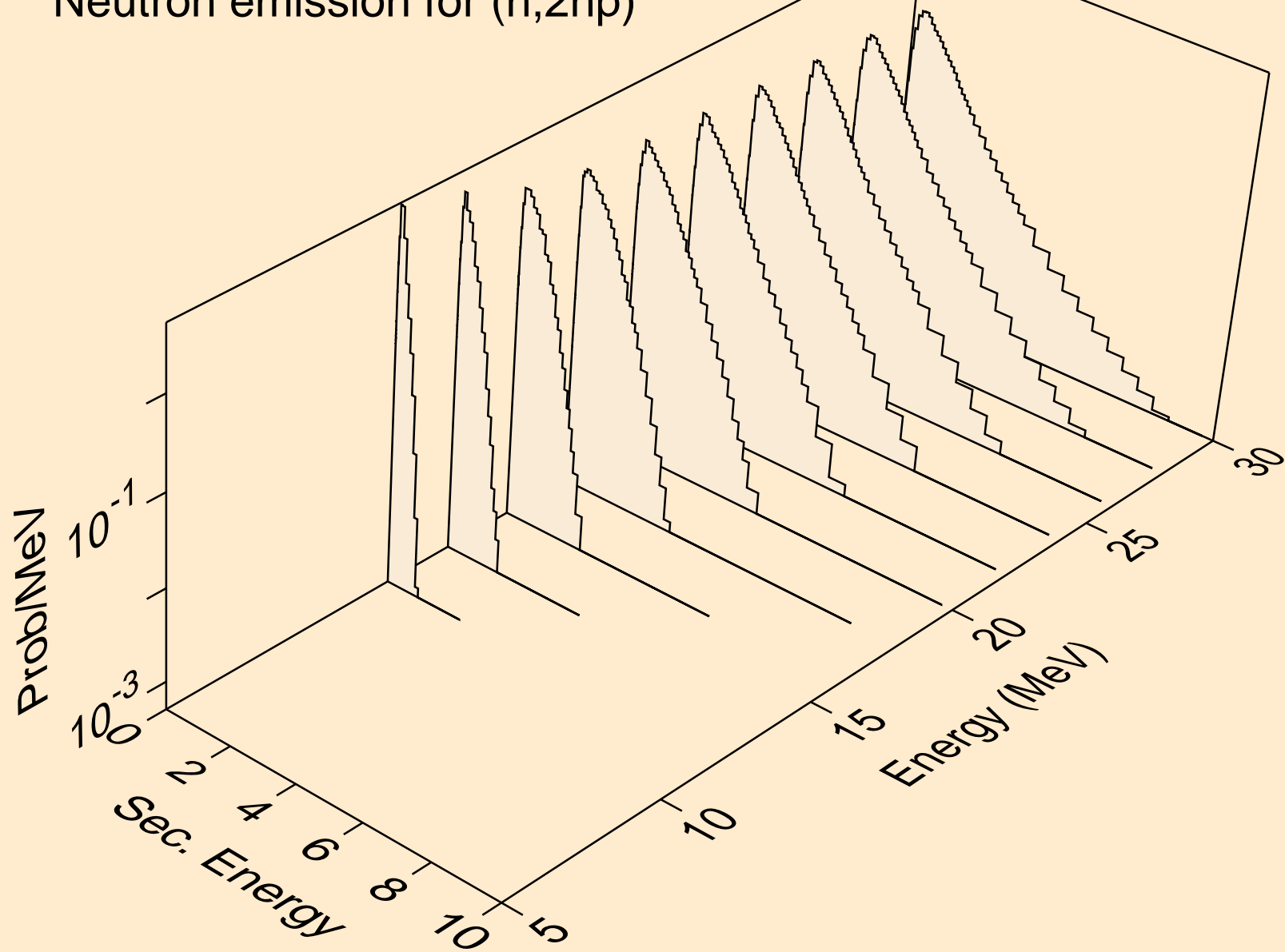
HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2np)



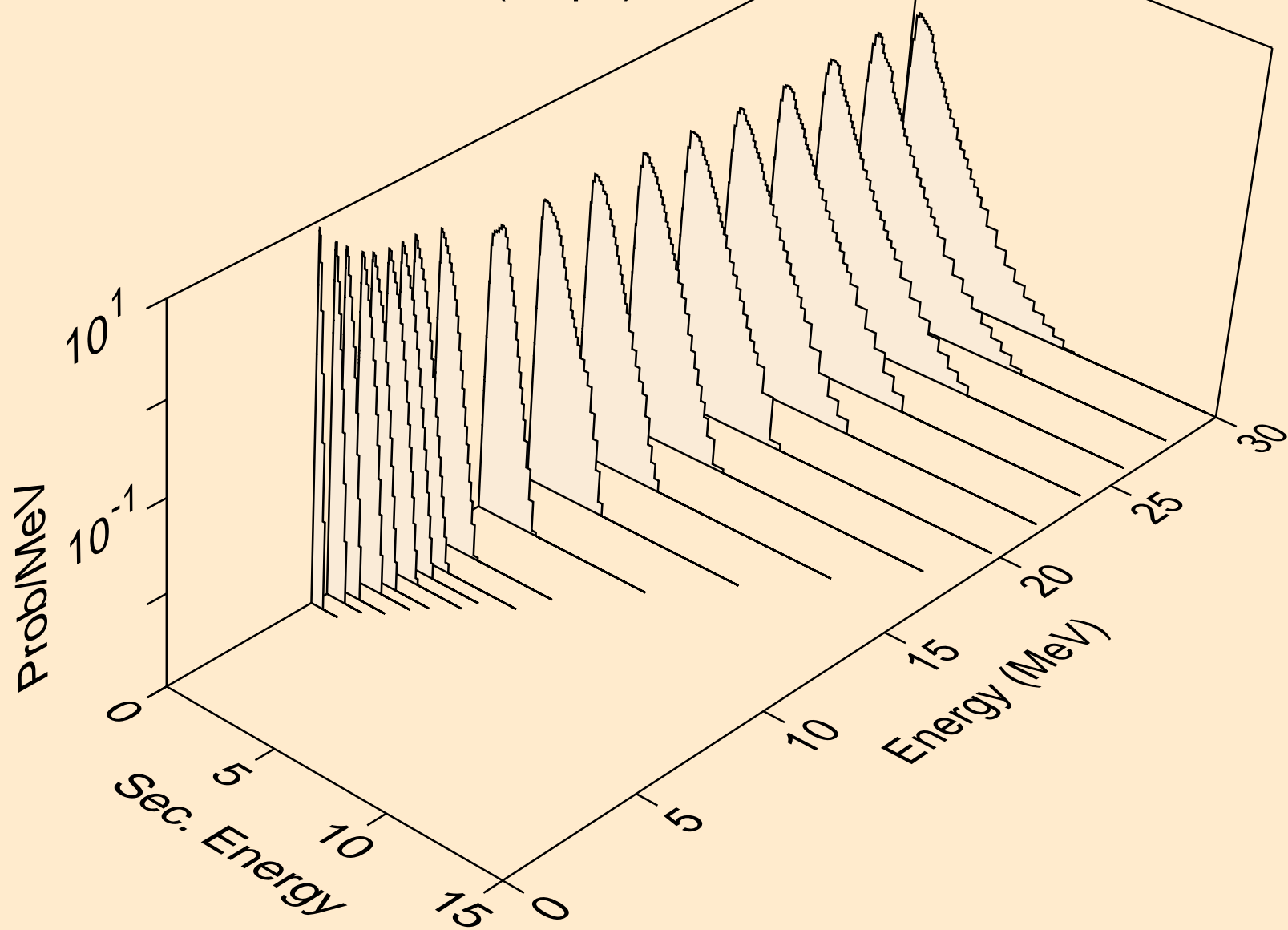
HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3np)



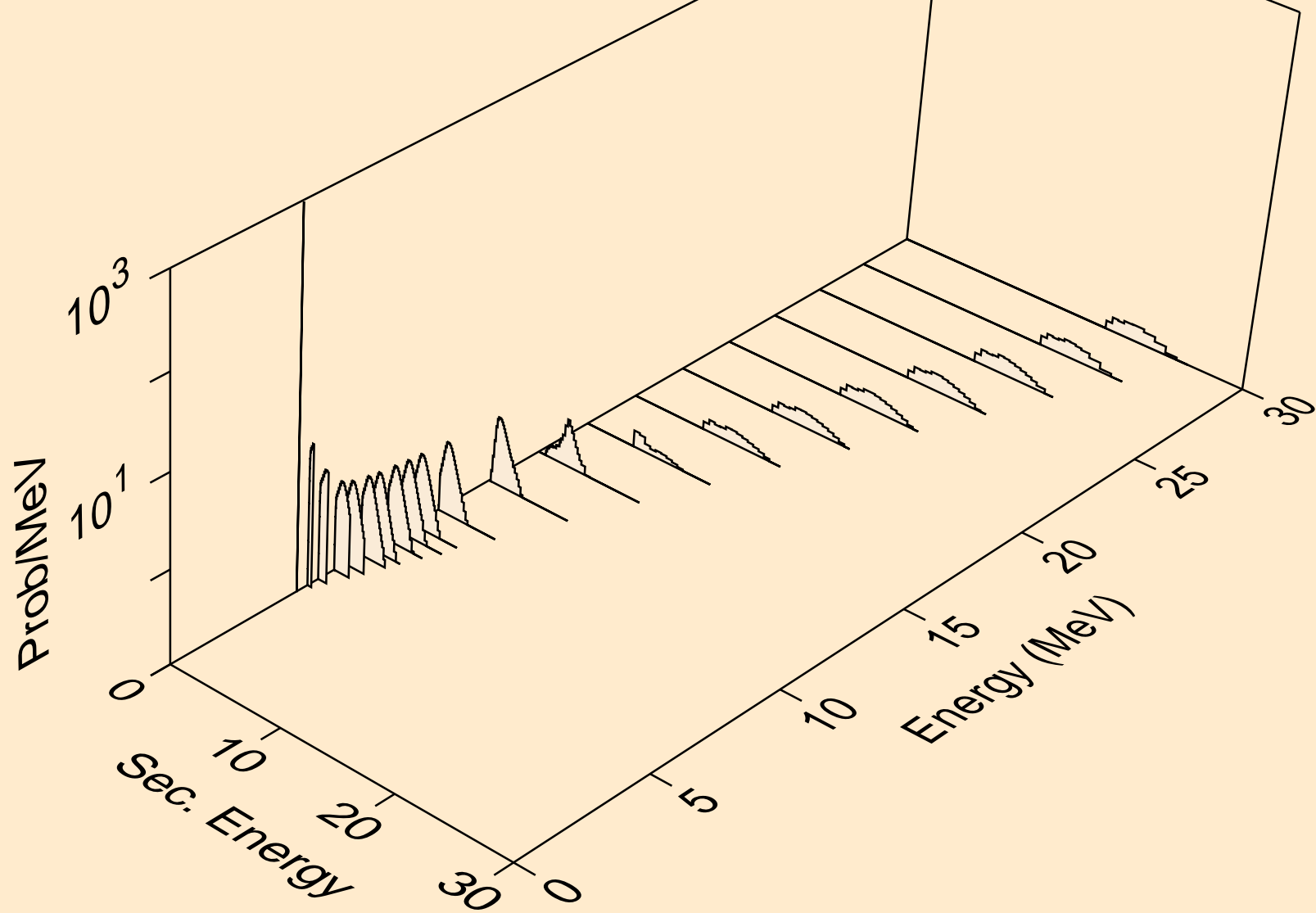
HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2np)



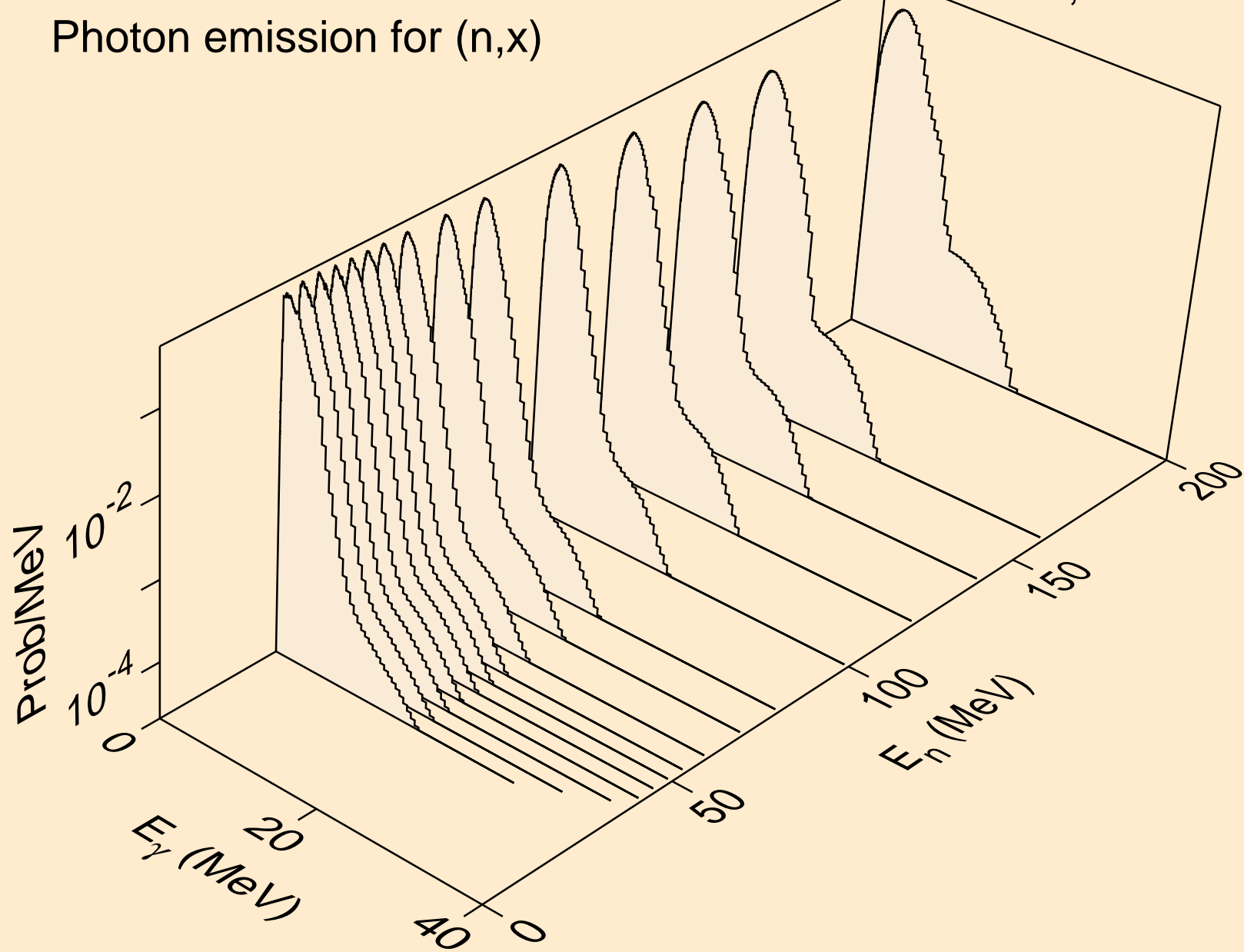
HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,npa)



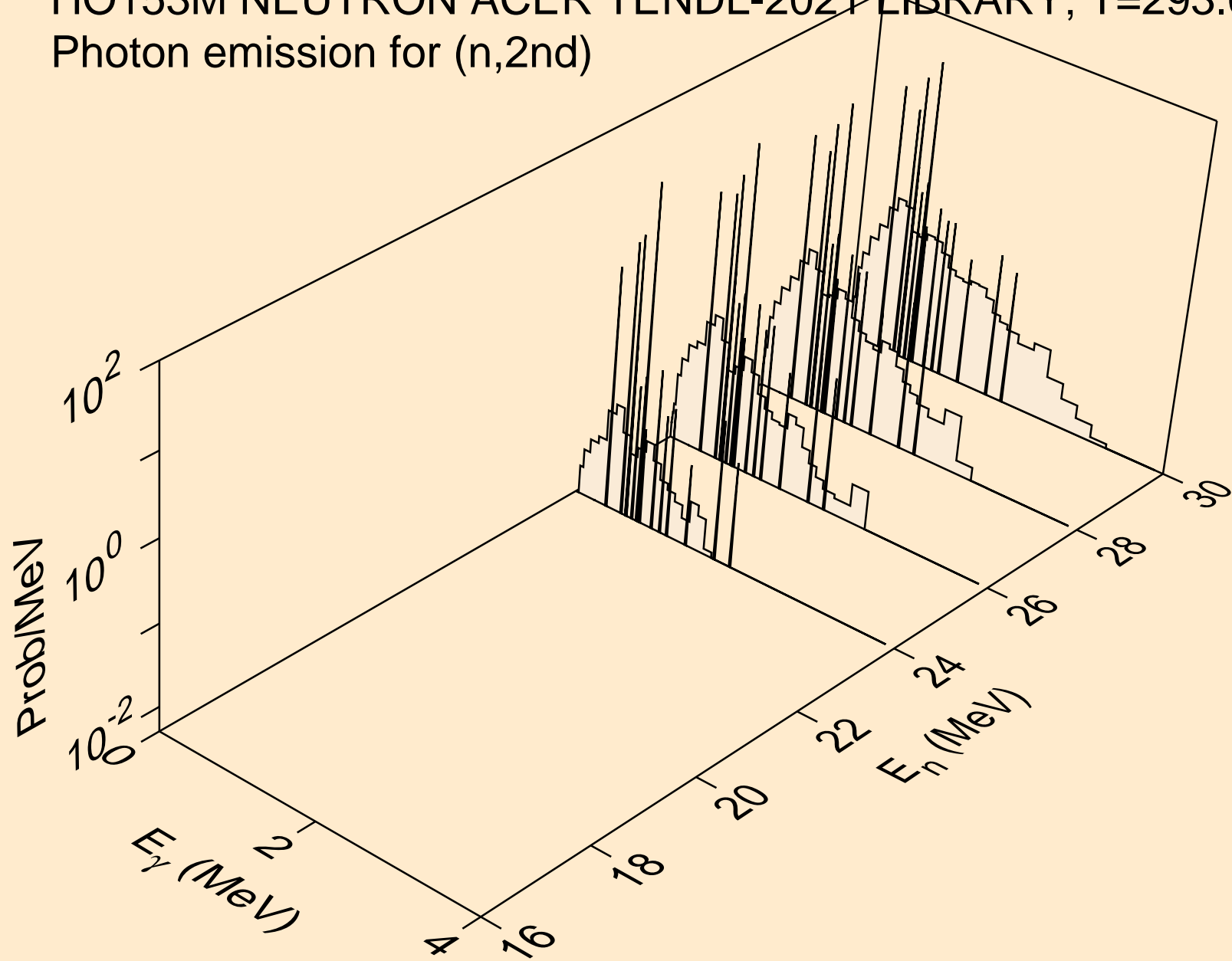
HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*c)



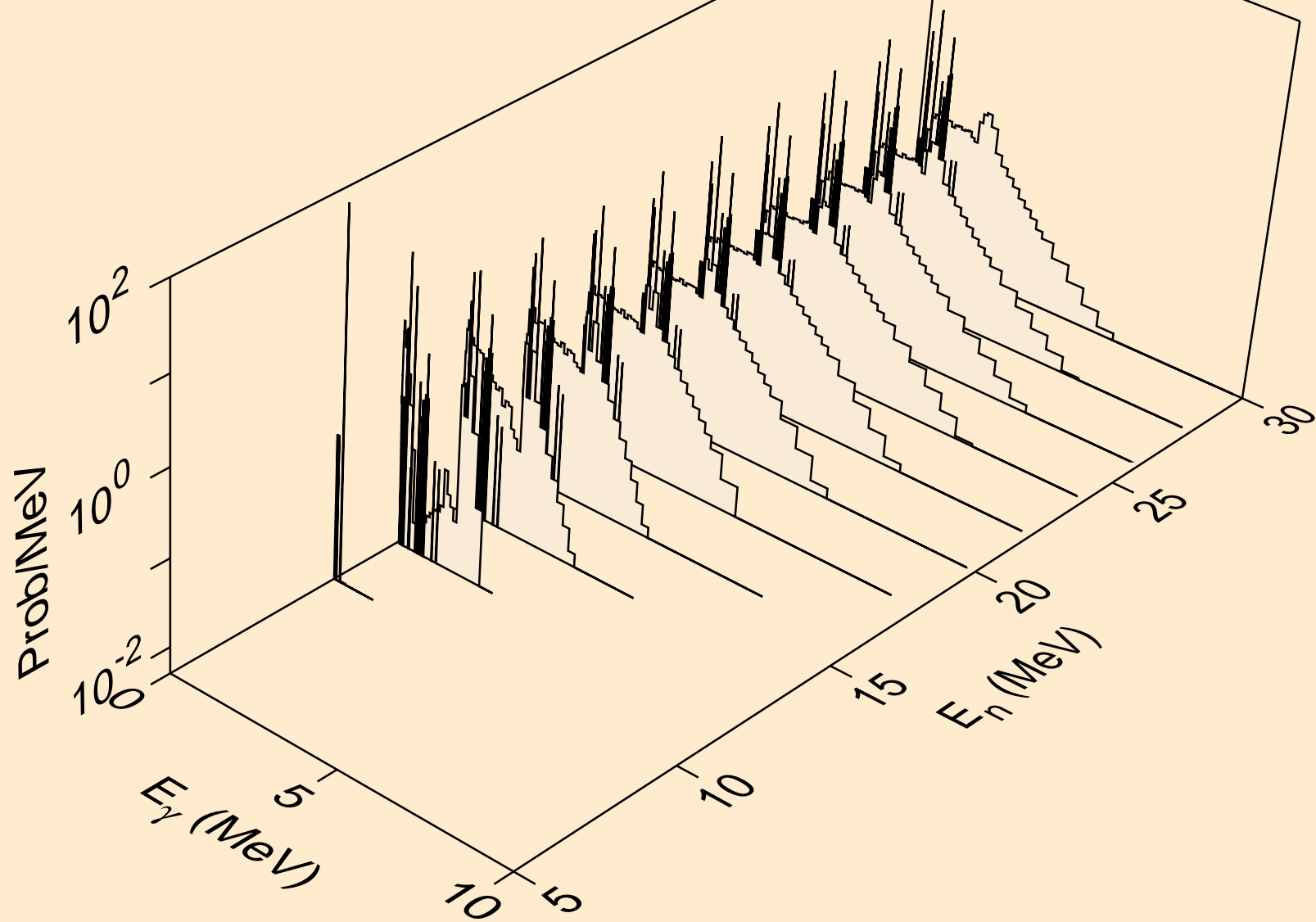
HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,x)



HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2nd)

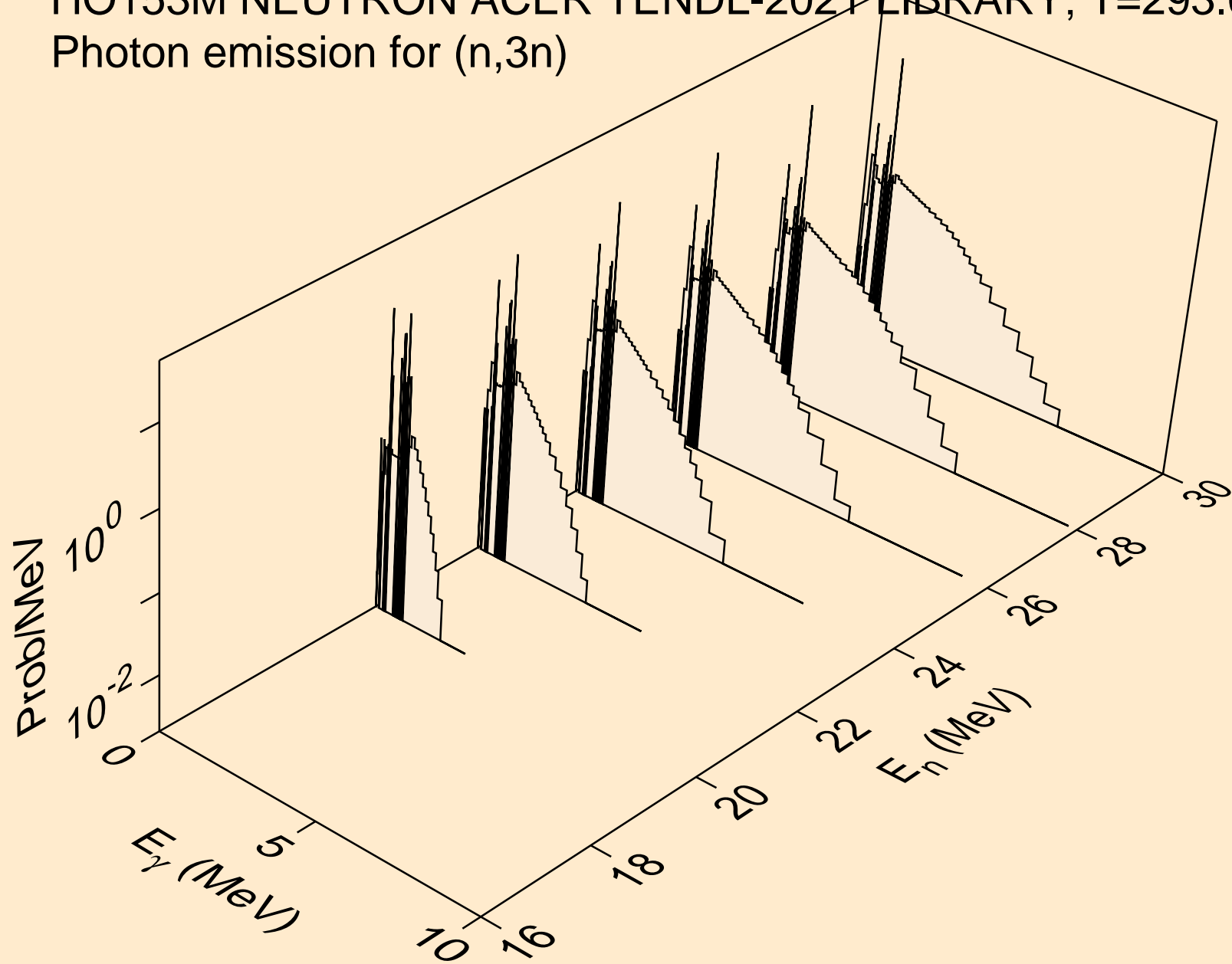


HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2n)

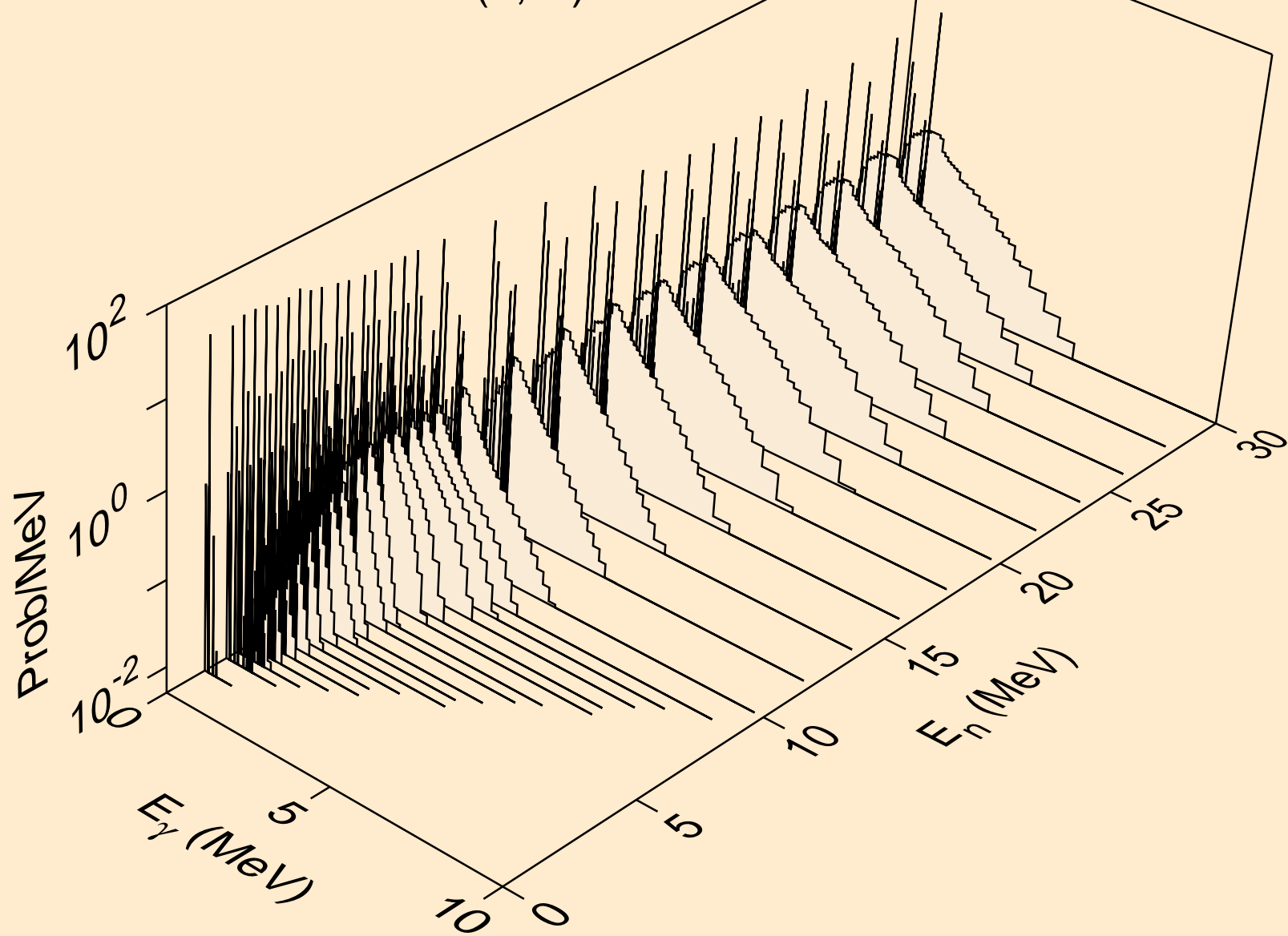




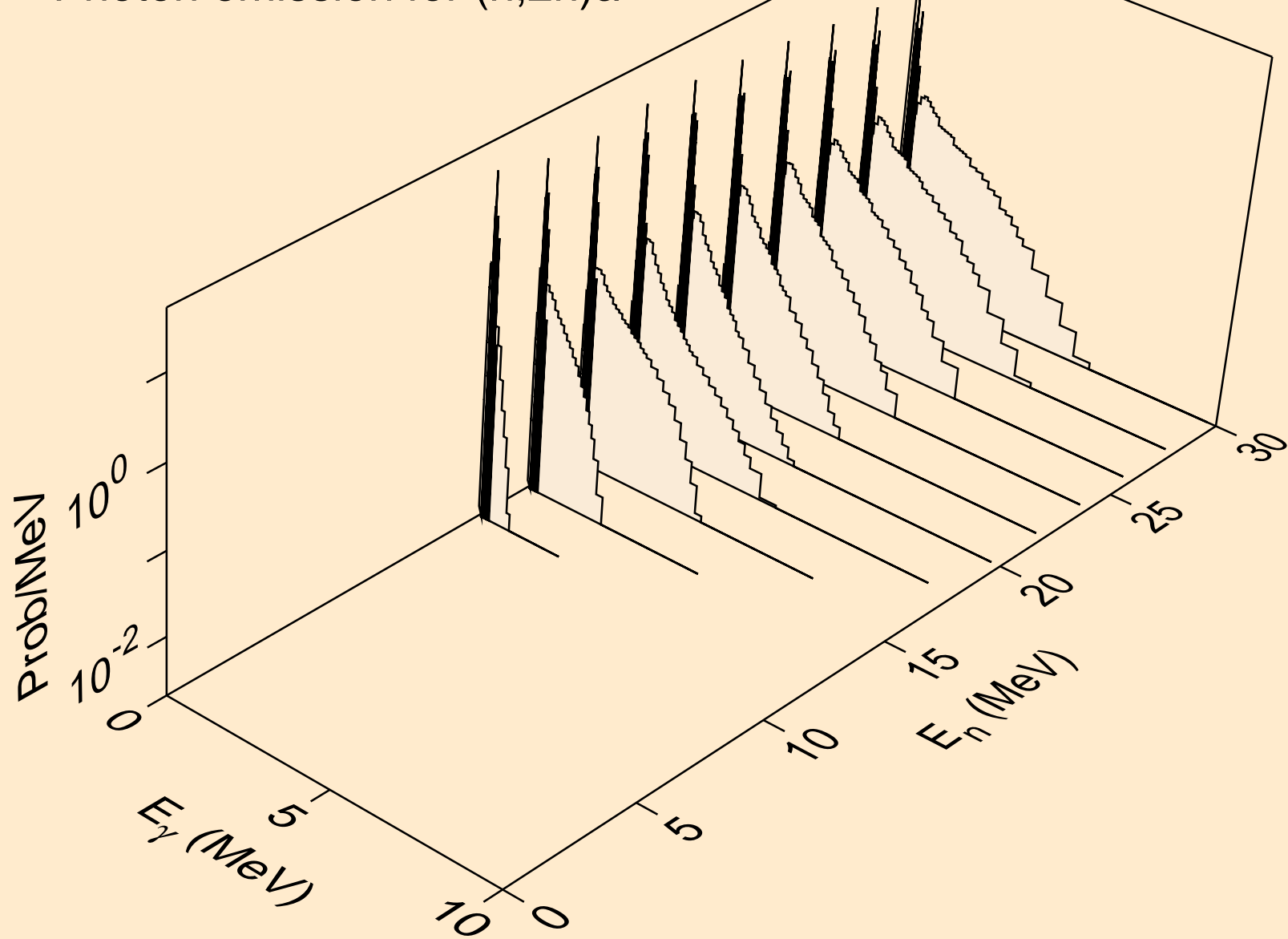
HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3n)



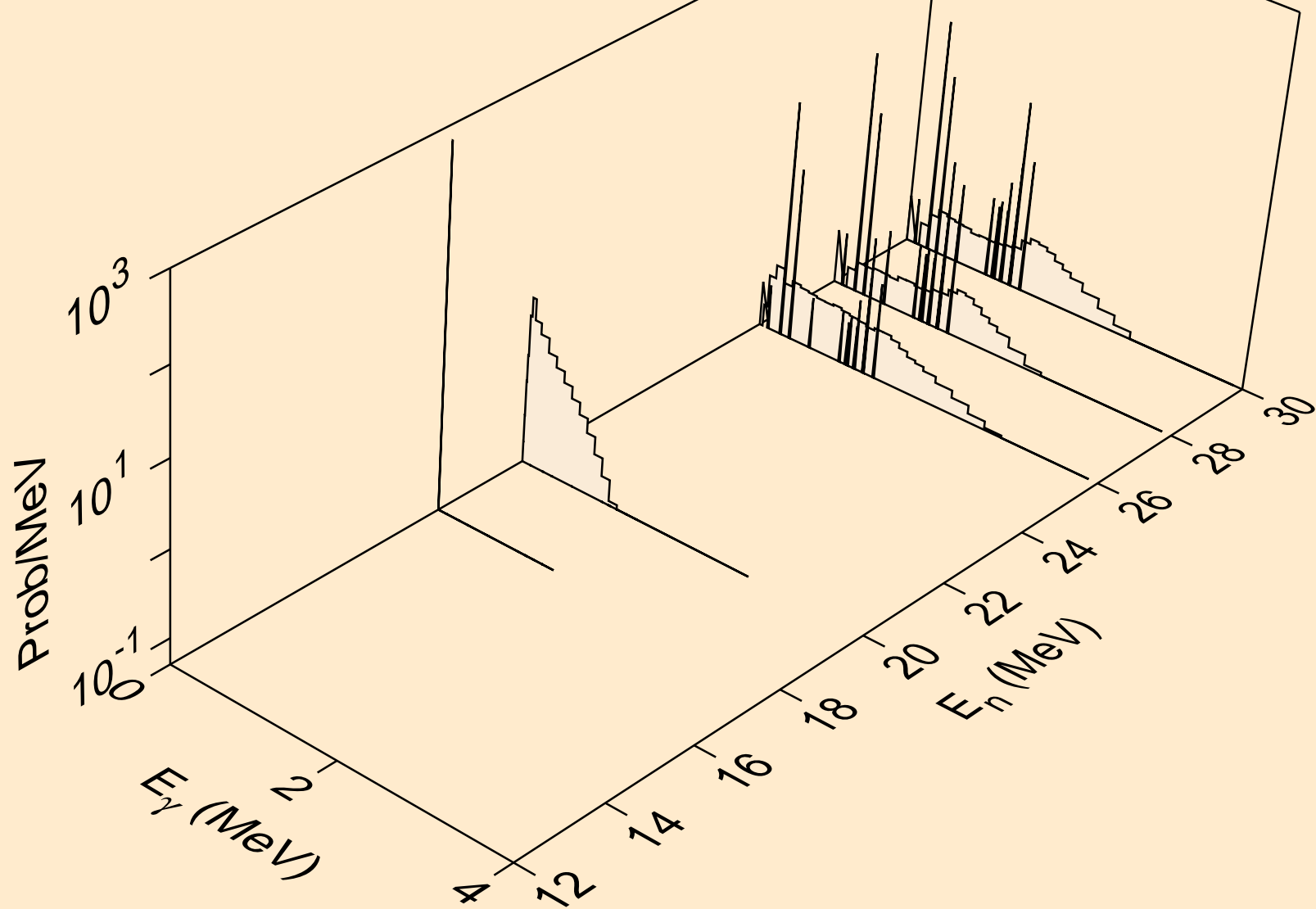
HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)a



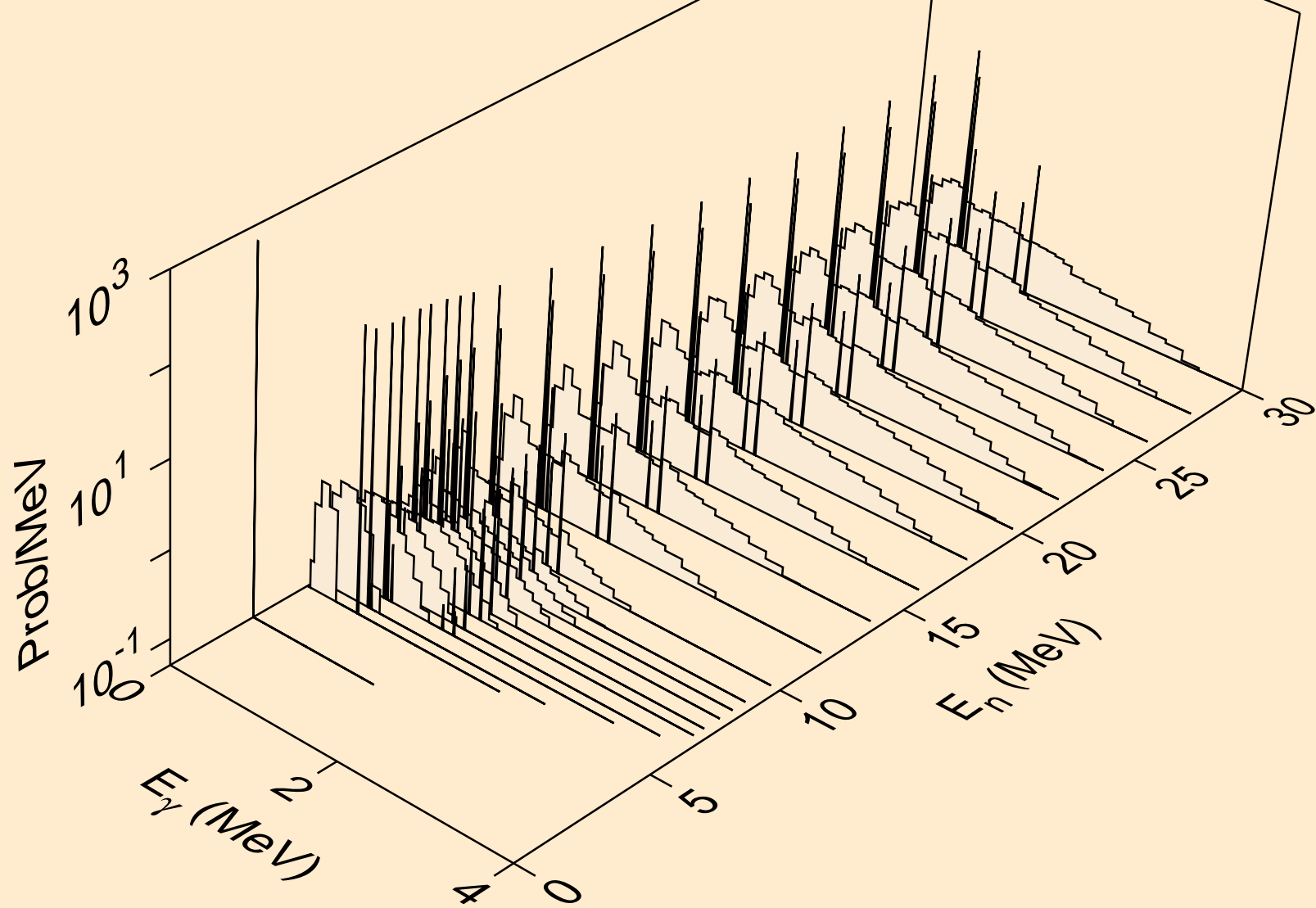
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Photon emission for (n,2n)a



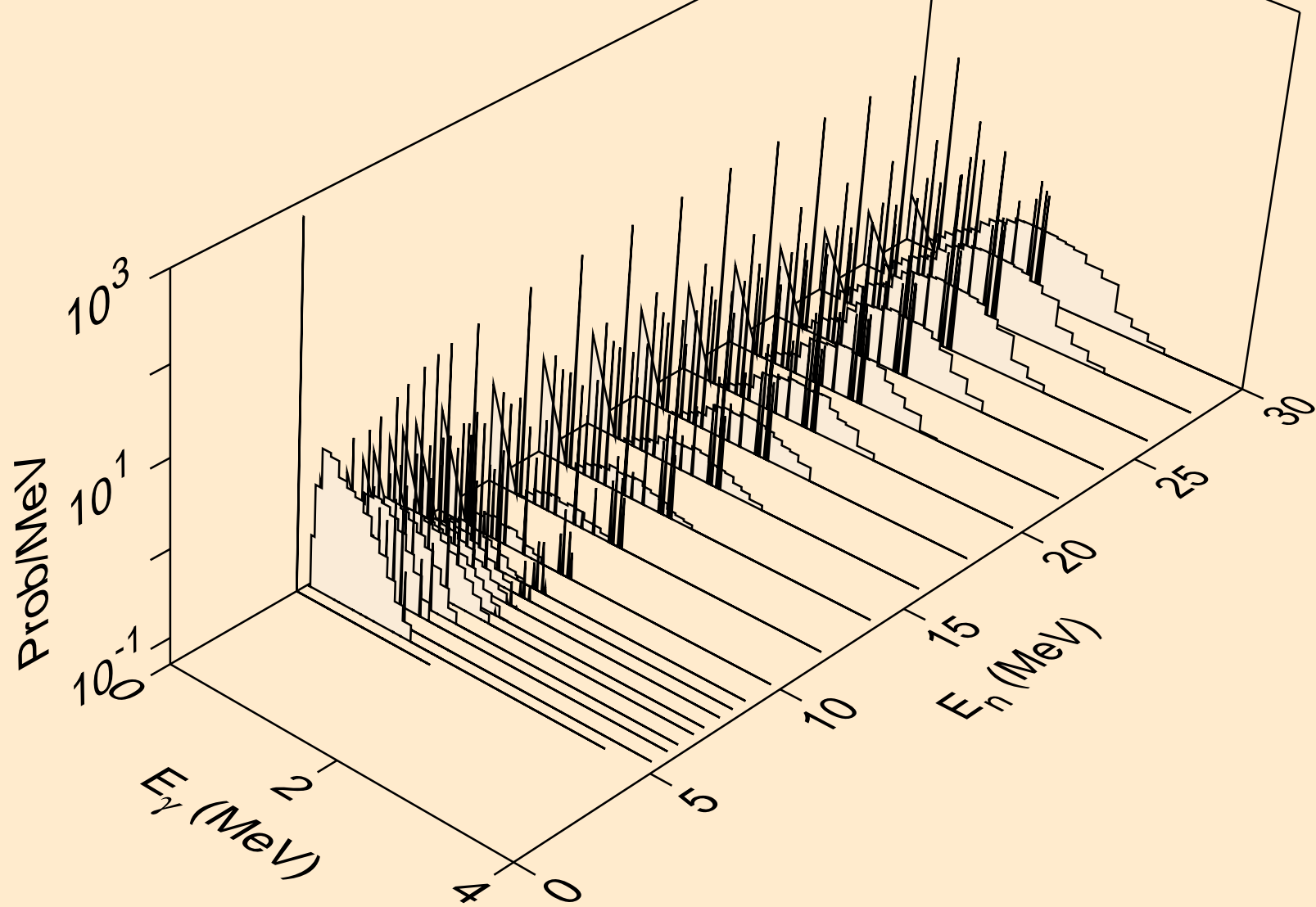
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Photon emission for (n,3n)a



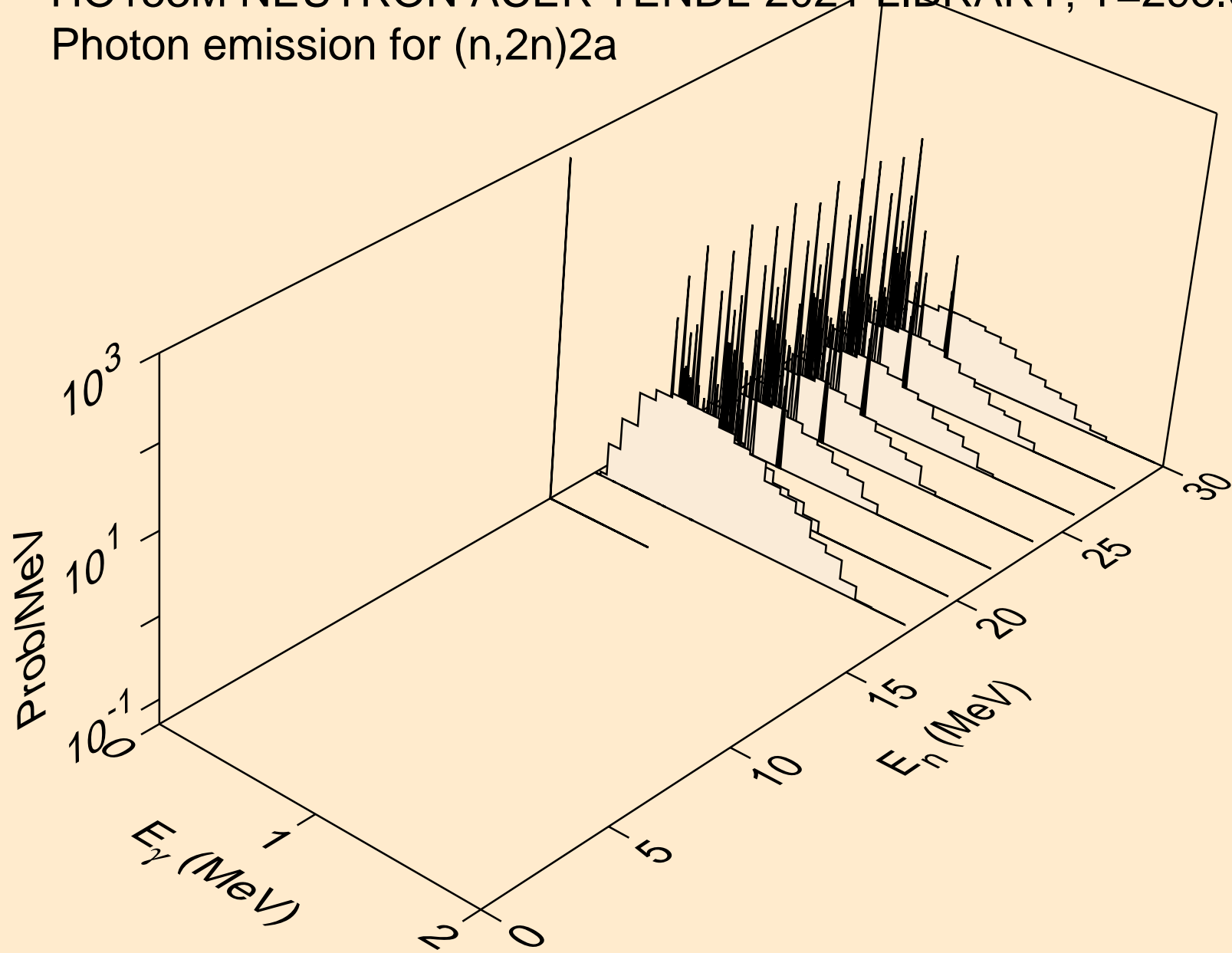
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Photon emission for (n,n\*)p



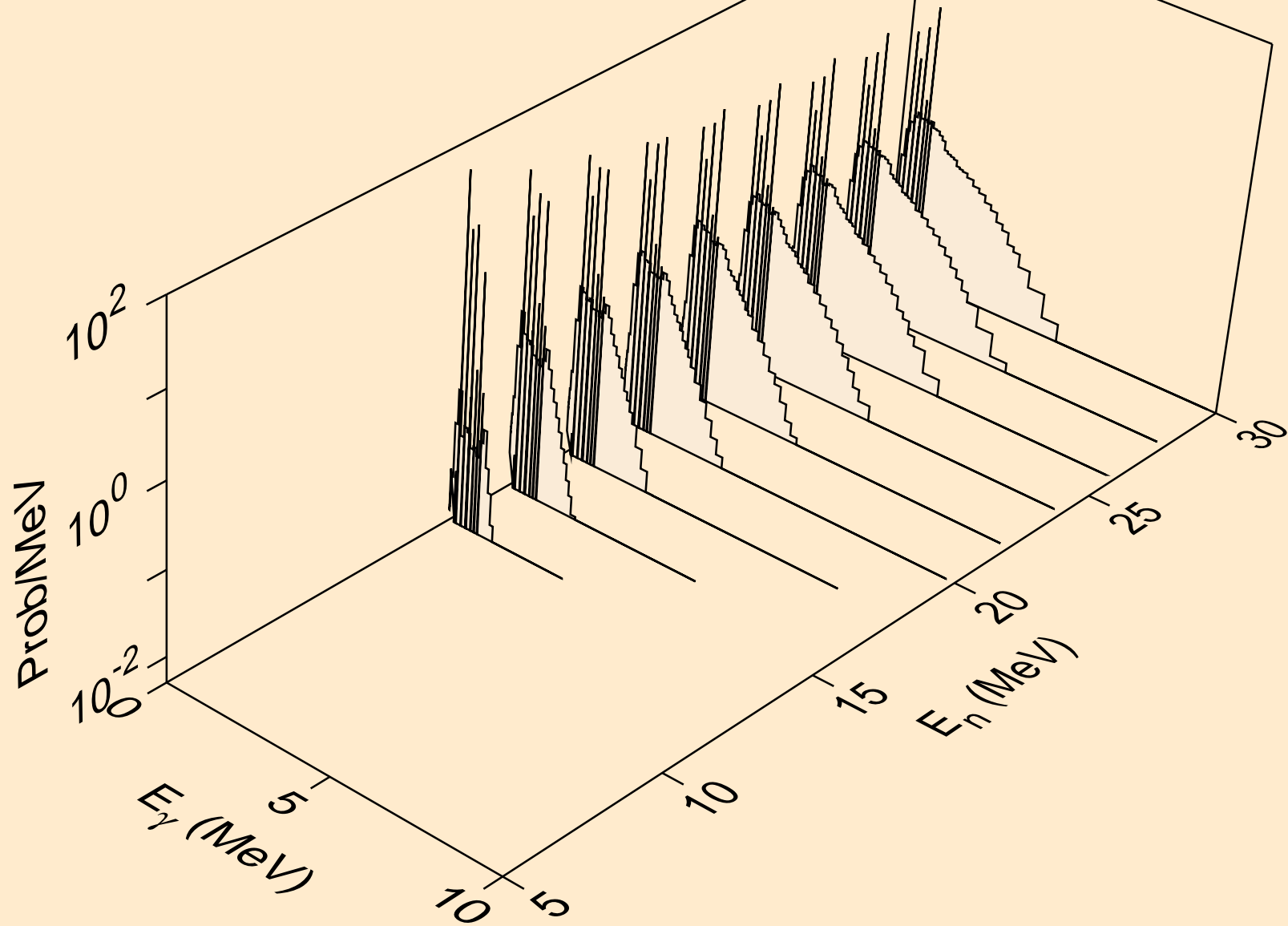
HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)2a



HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2n)2a

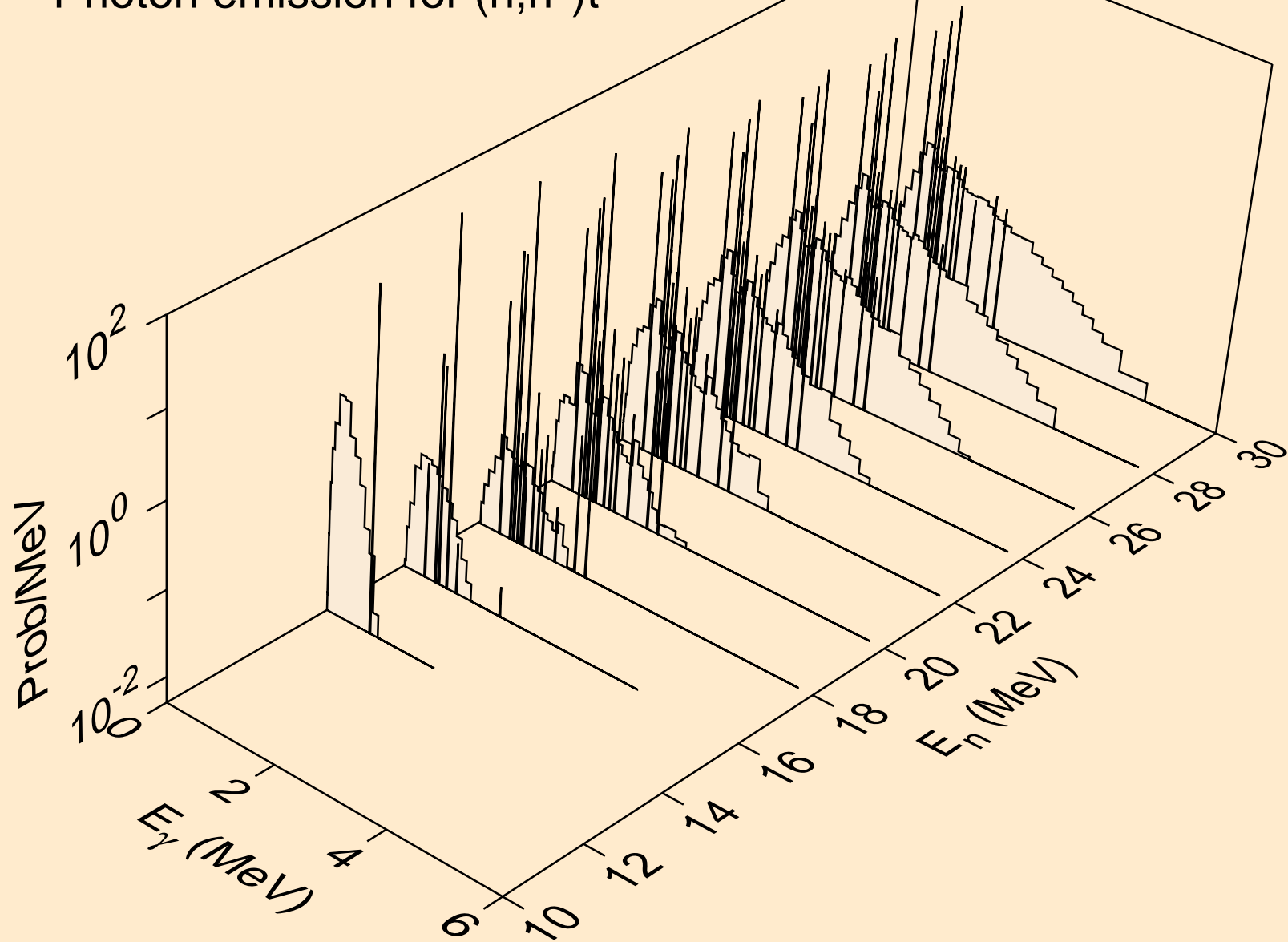


HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)d

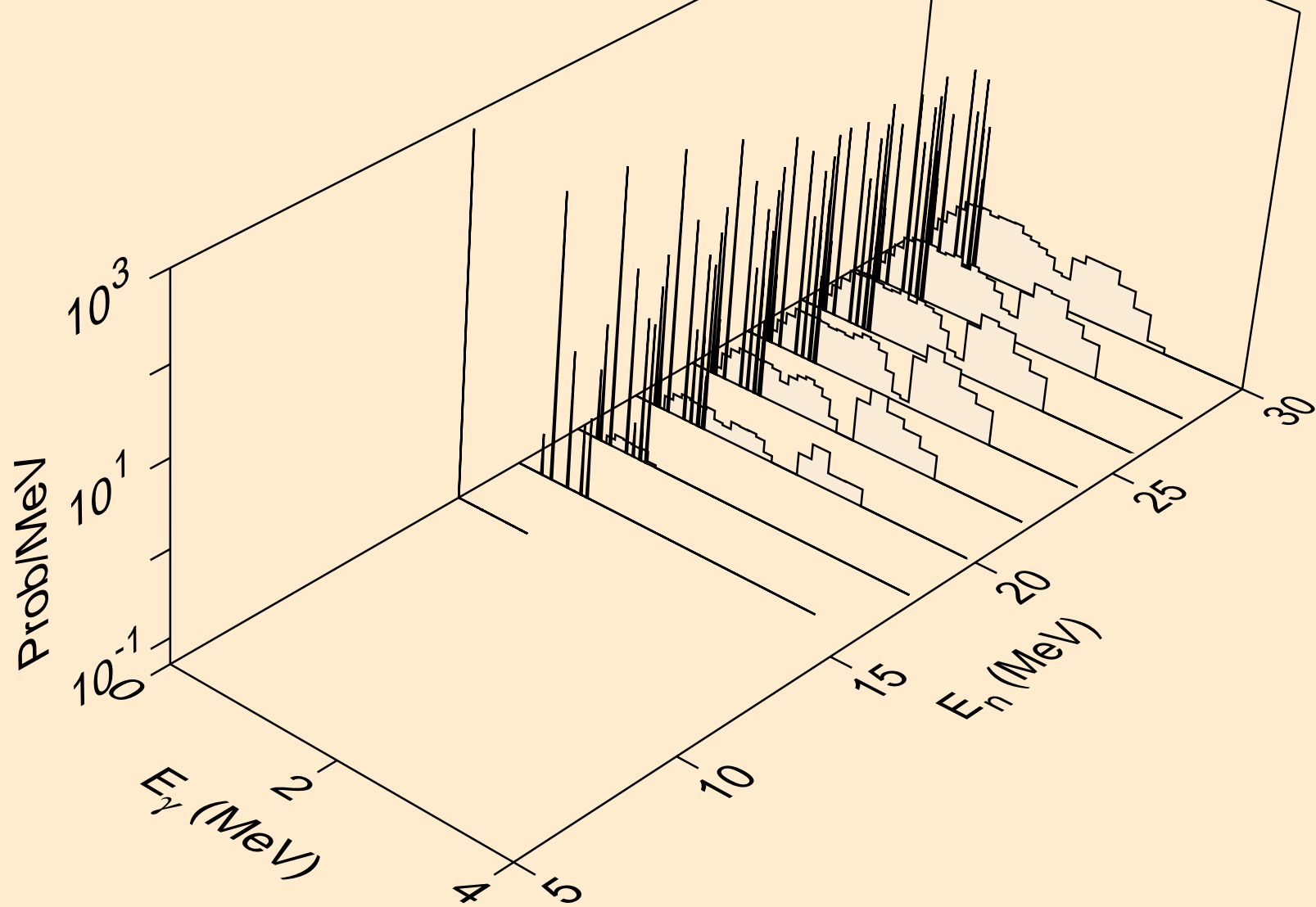




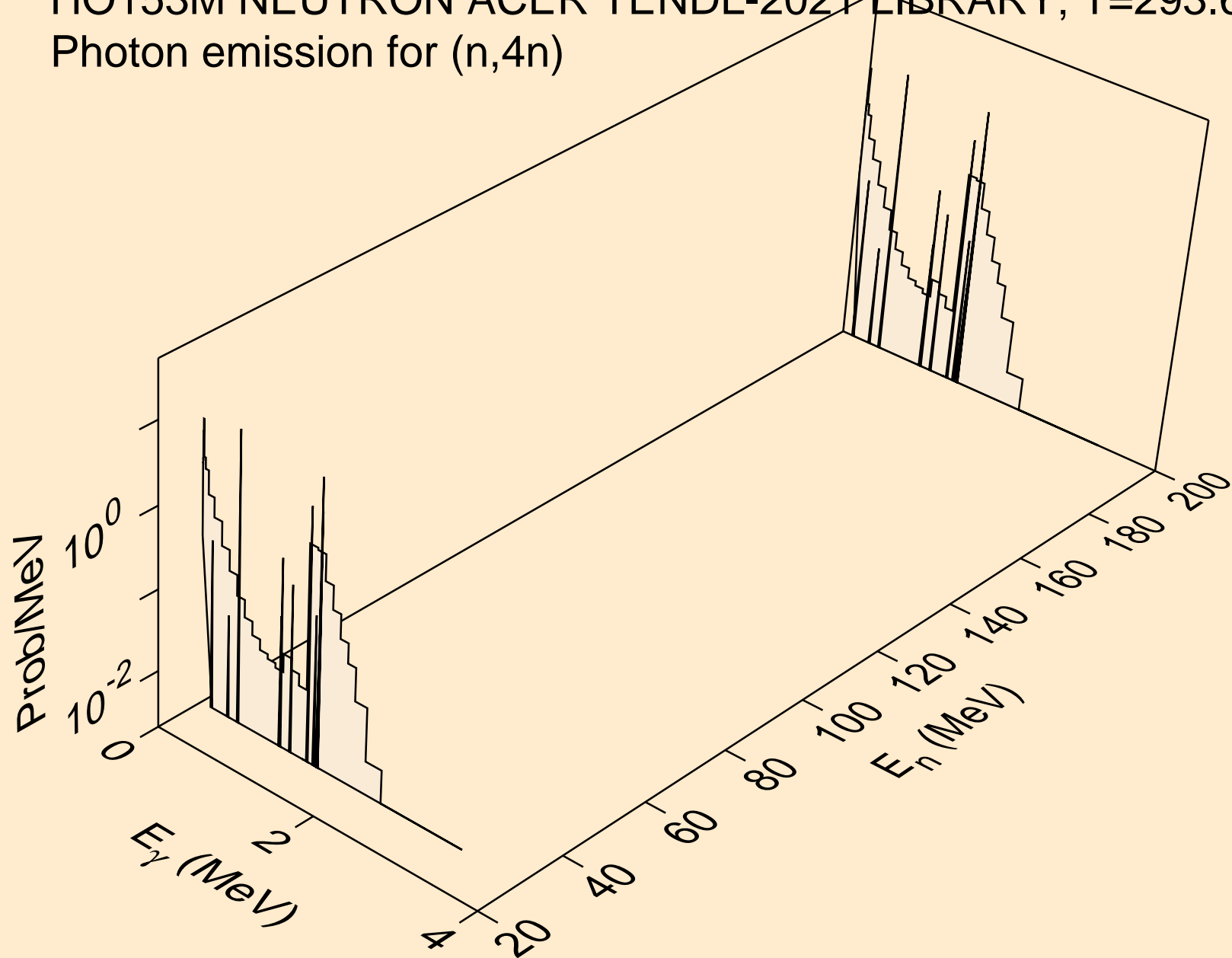
HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)t



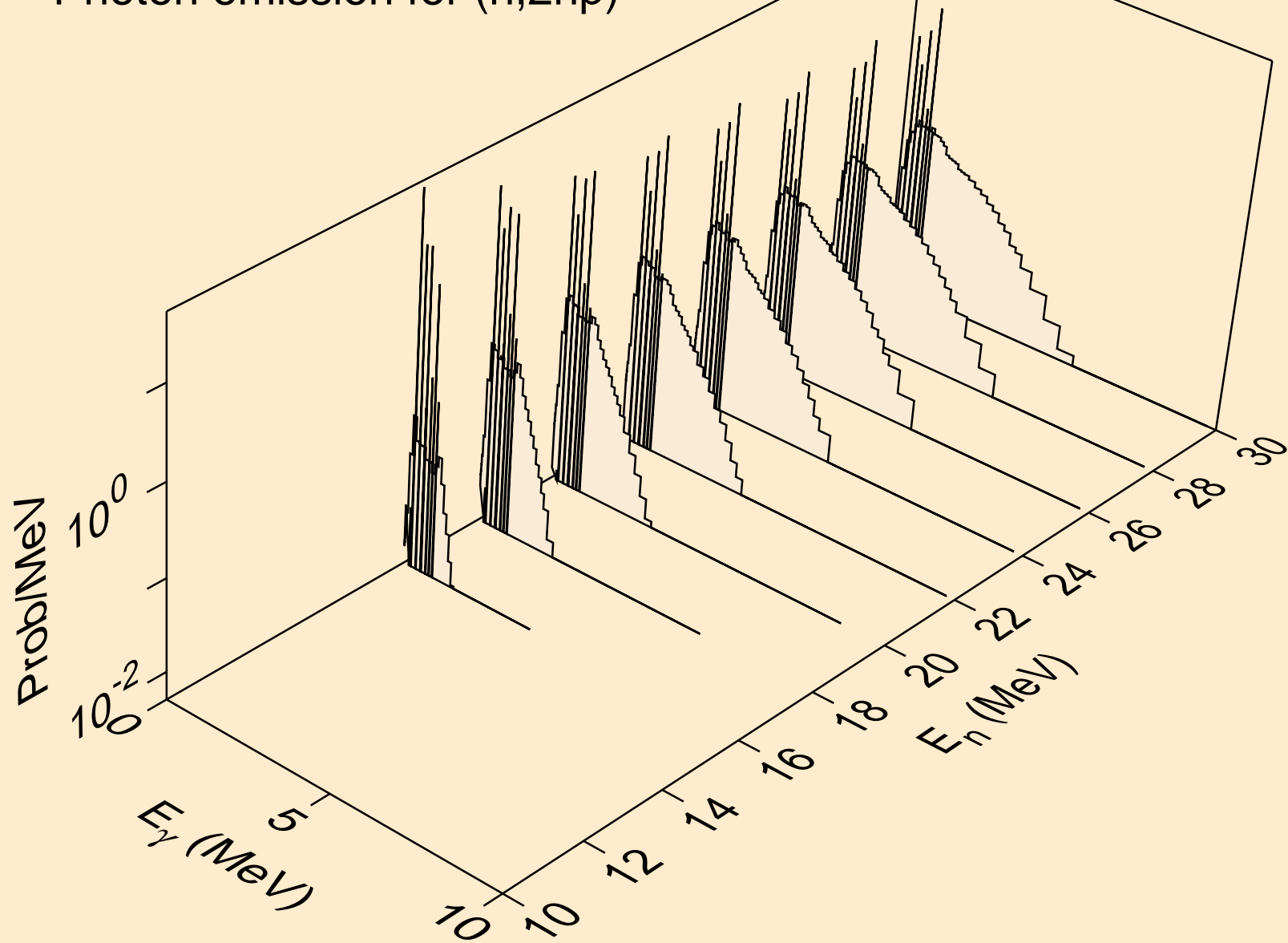
HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)he3



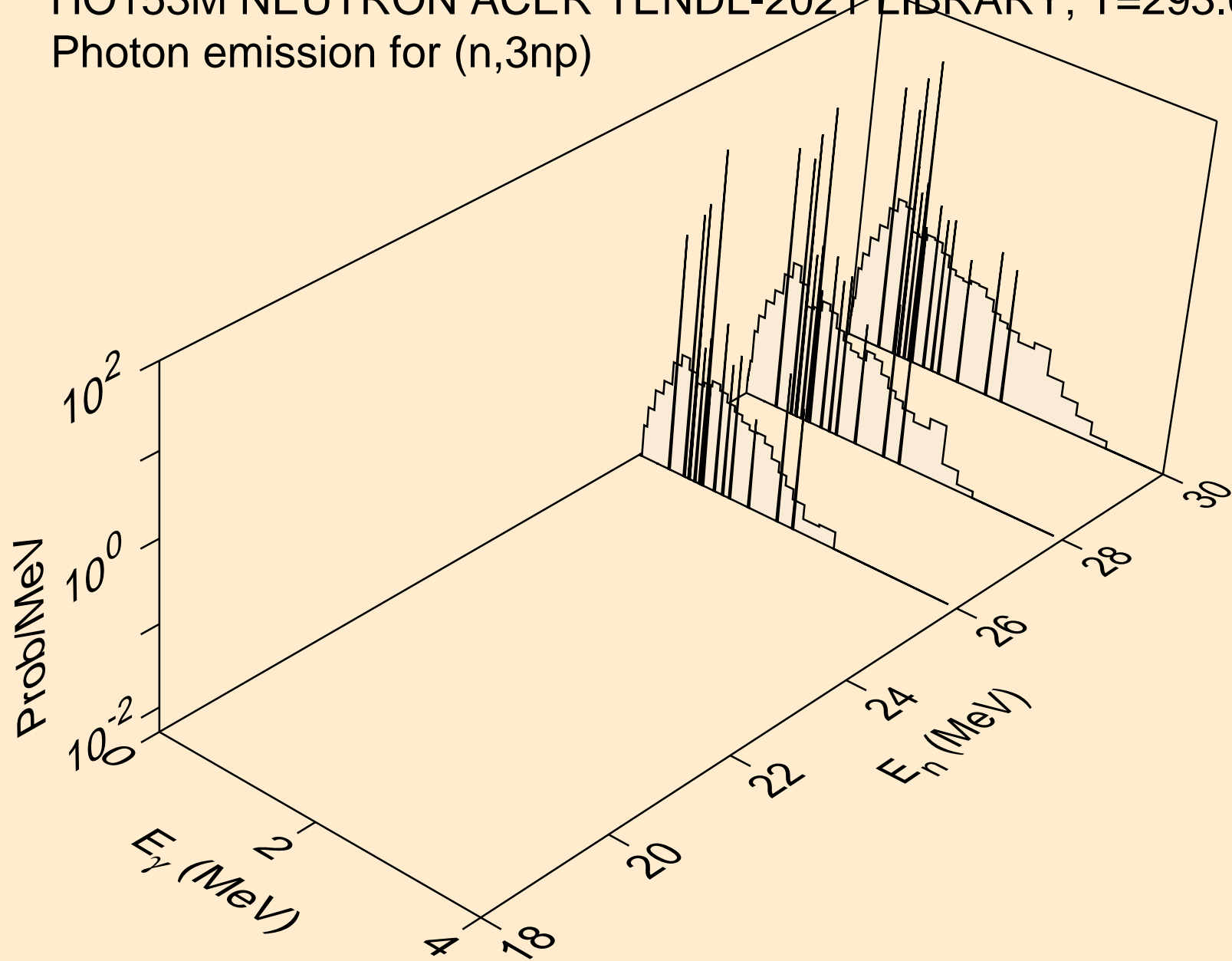
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Photon emission for (n,4n)



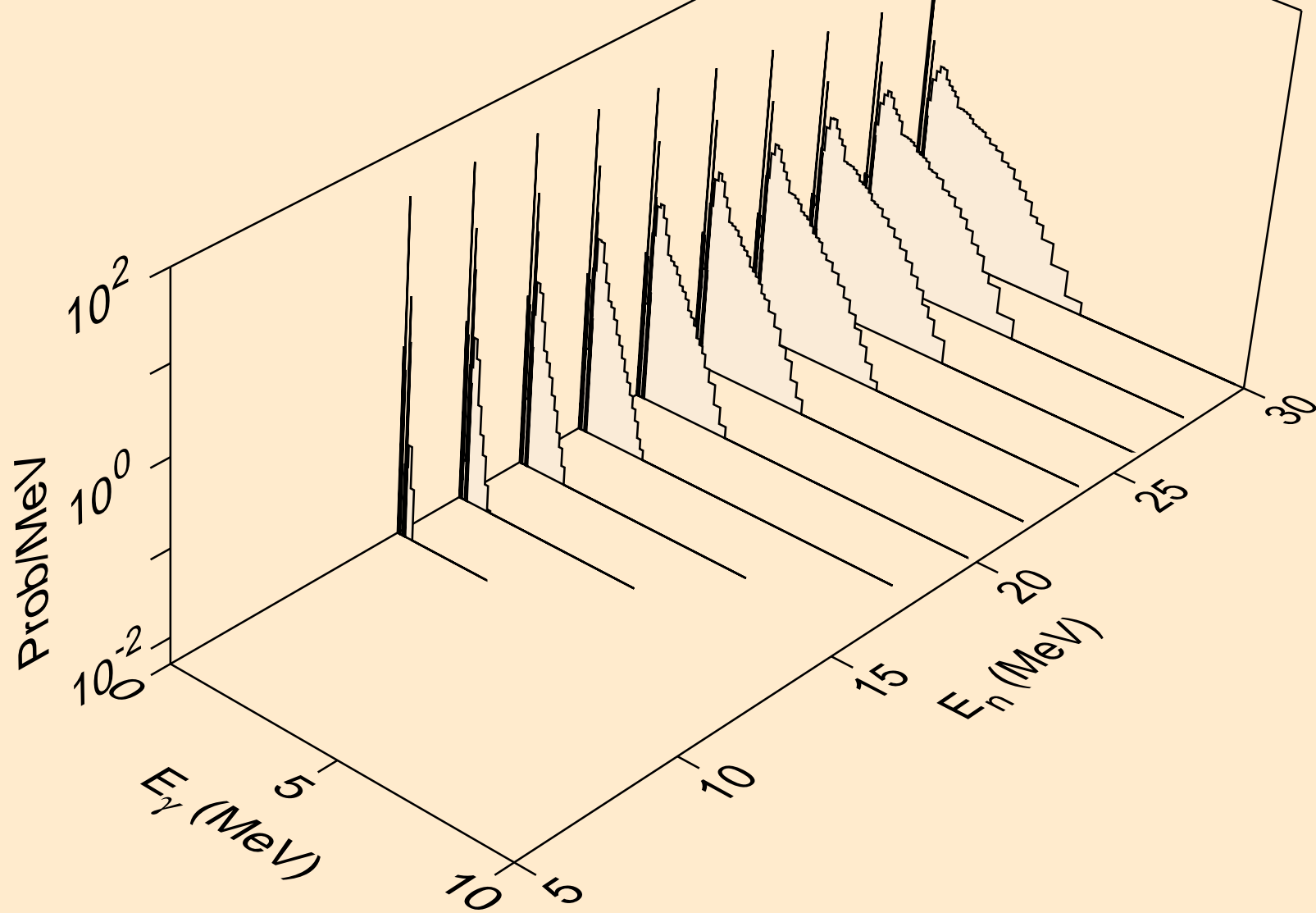
HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2np)



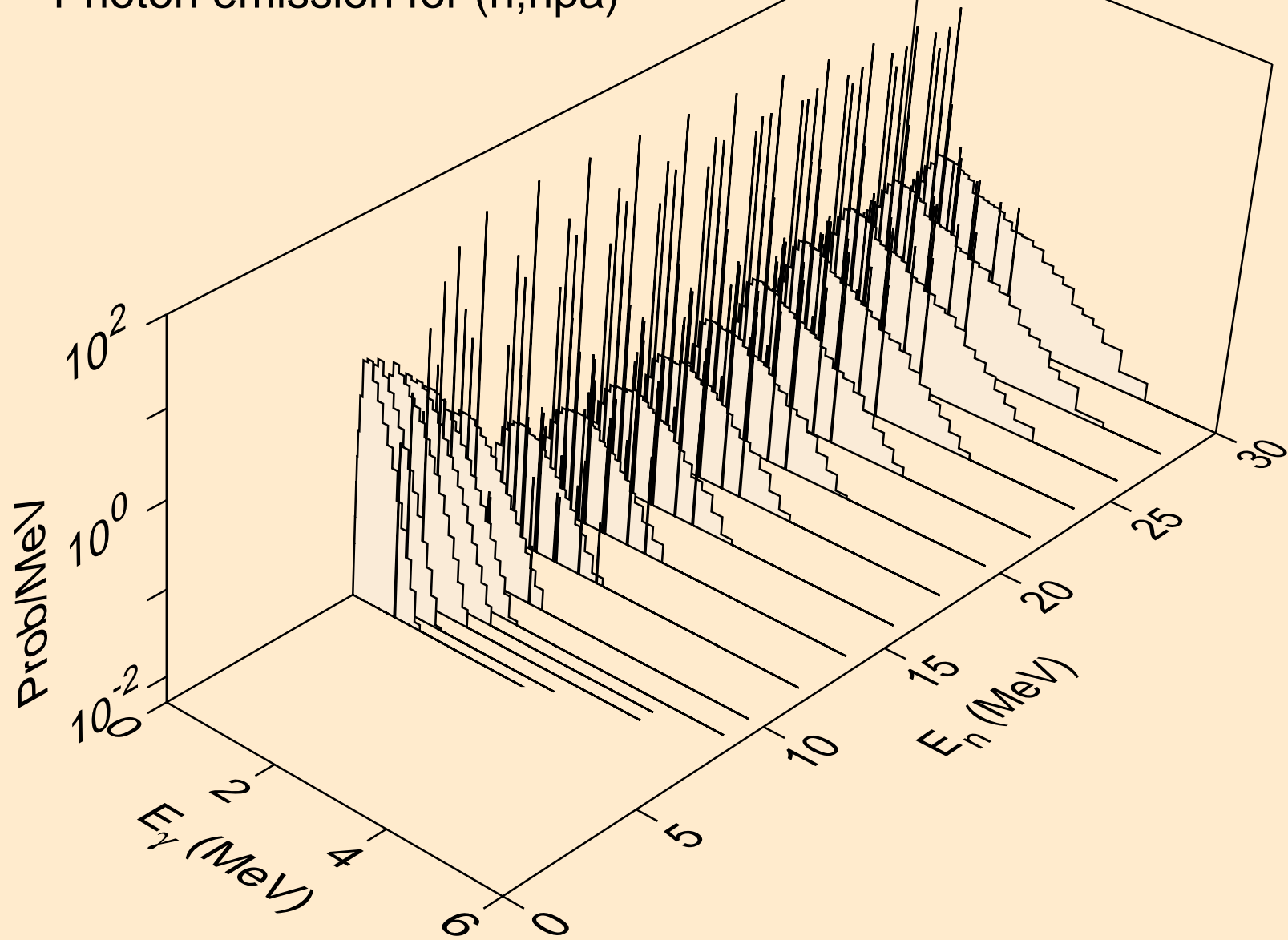
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Photon emission for (n,3np)



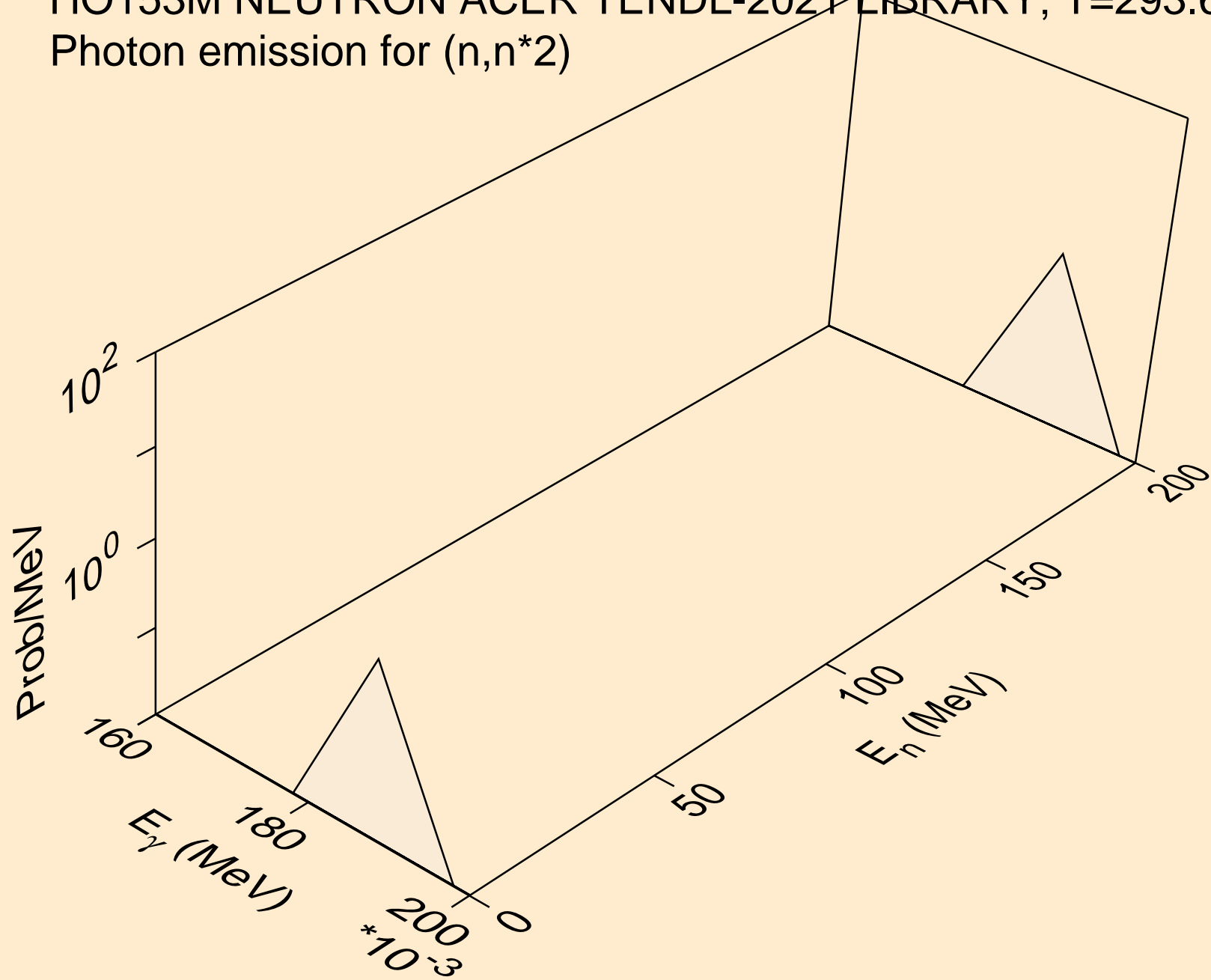
HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2np)



HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,npa)

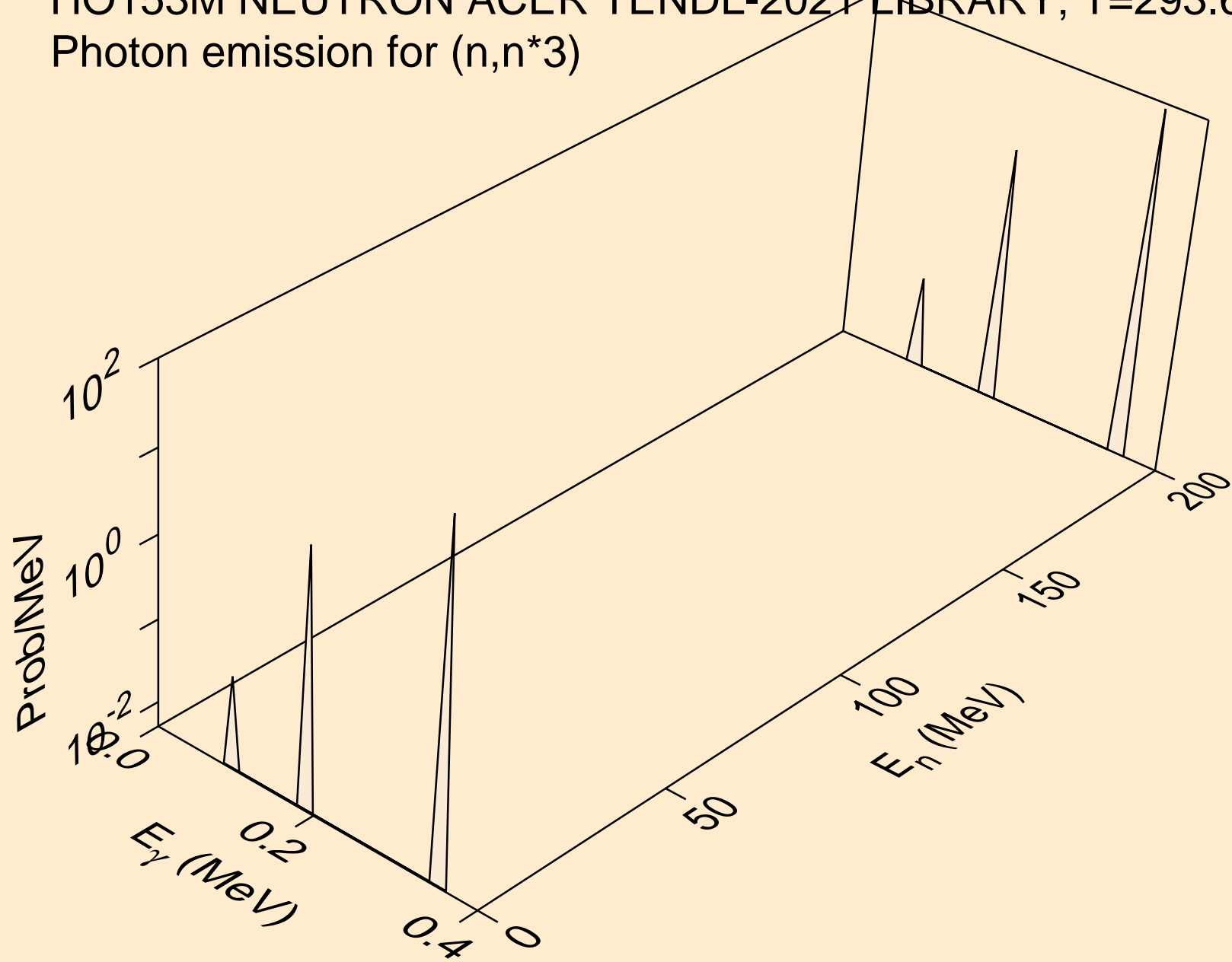


HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*2)

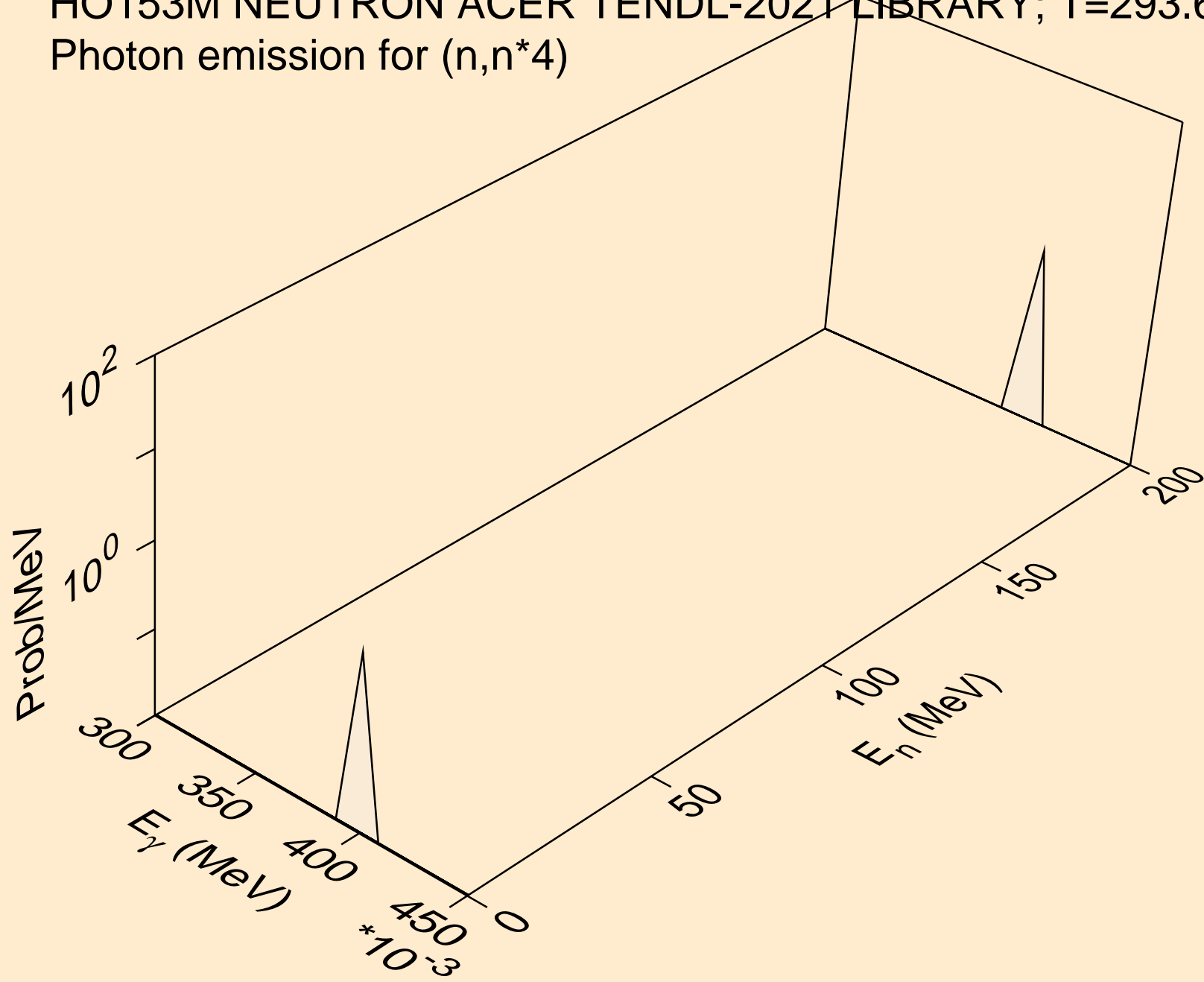




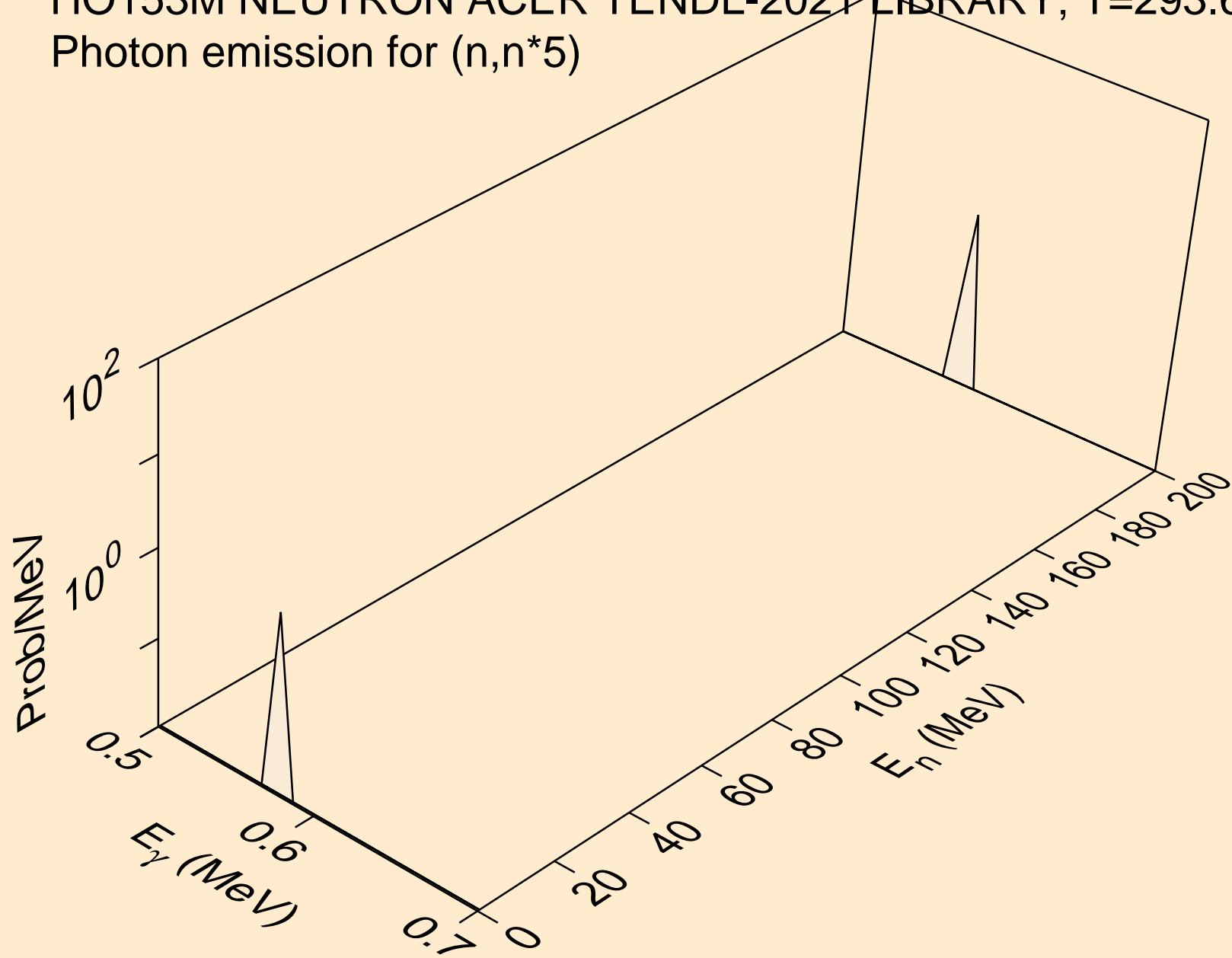
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Photon emission for (n,n\*3)



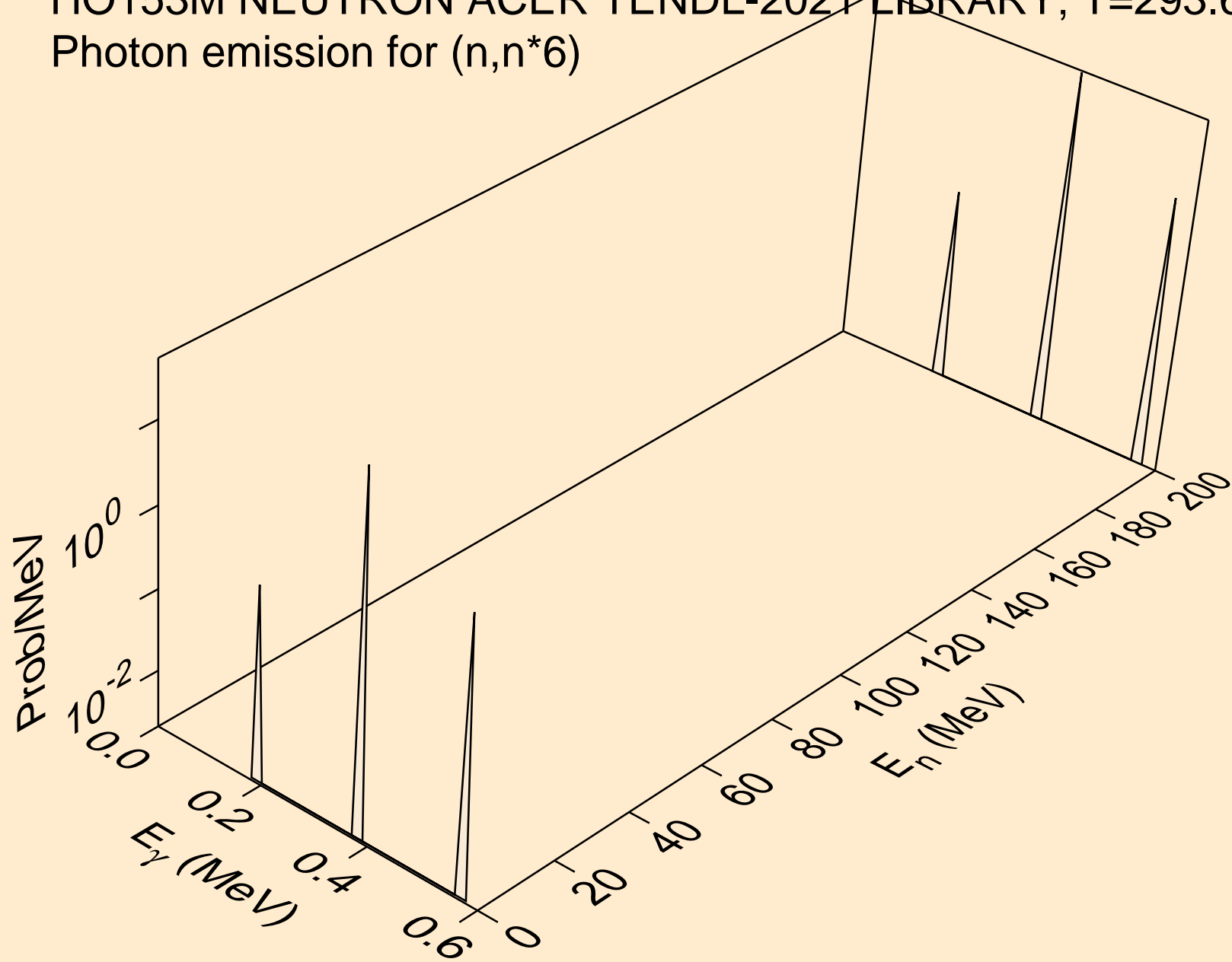
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Photon emission for (n,n\*4)



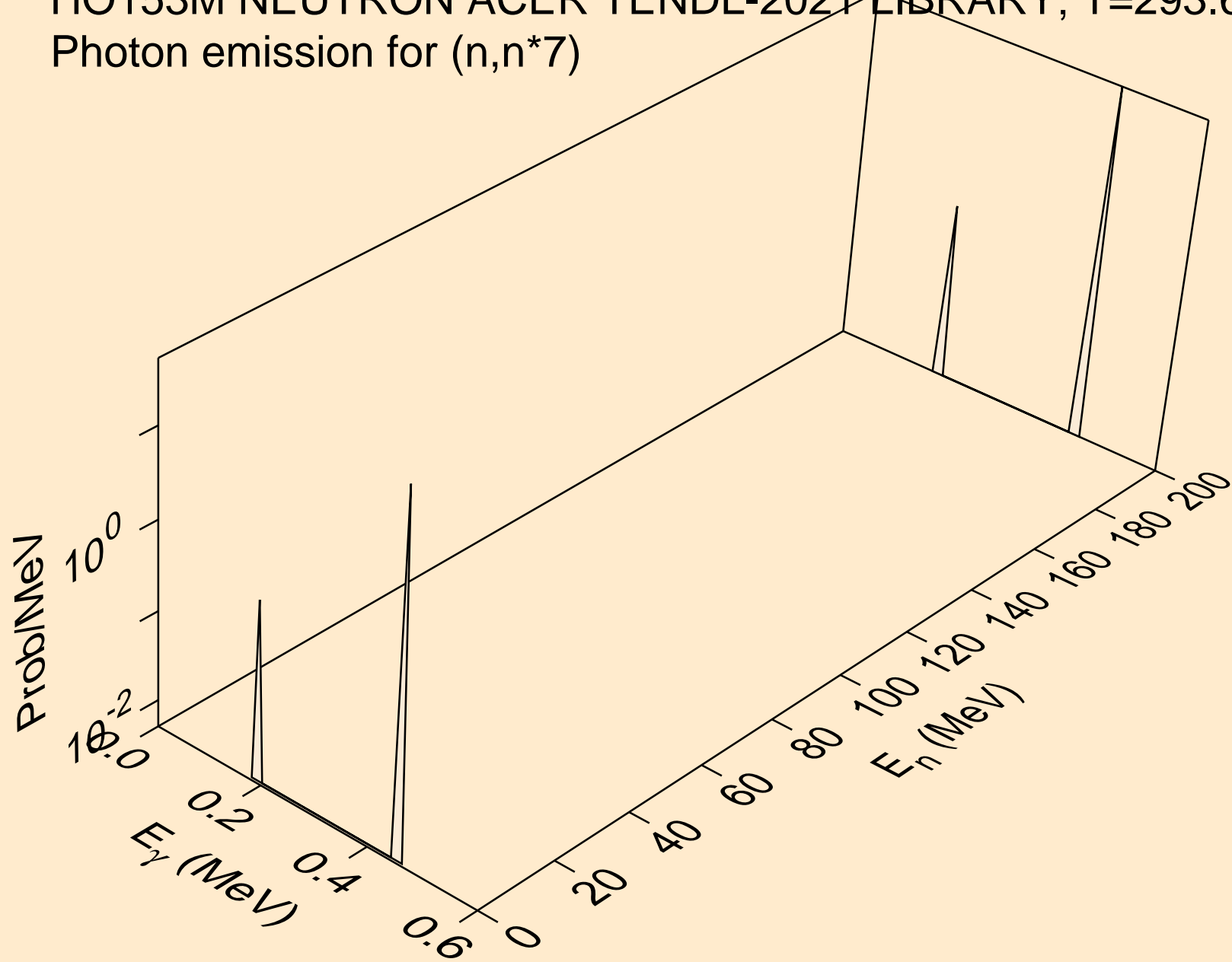
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Photon emission for (n,n\*5)



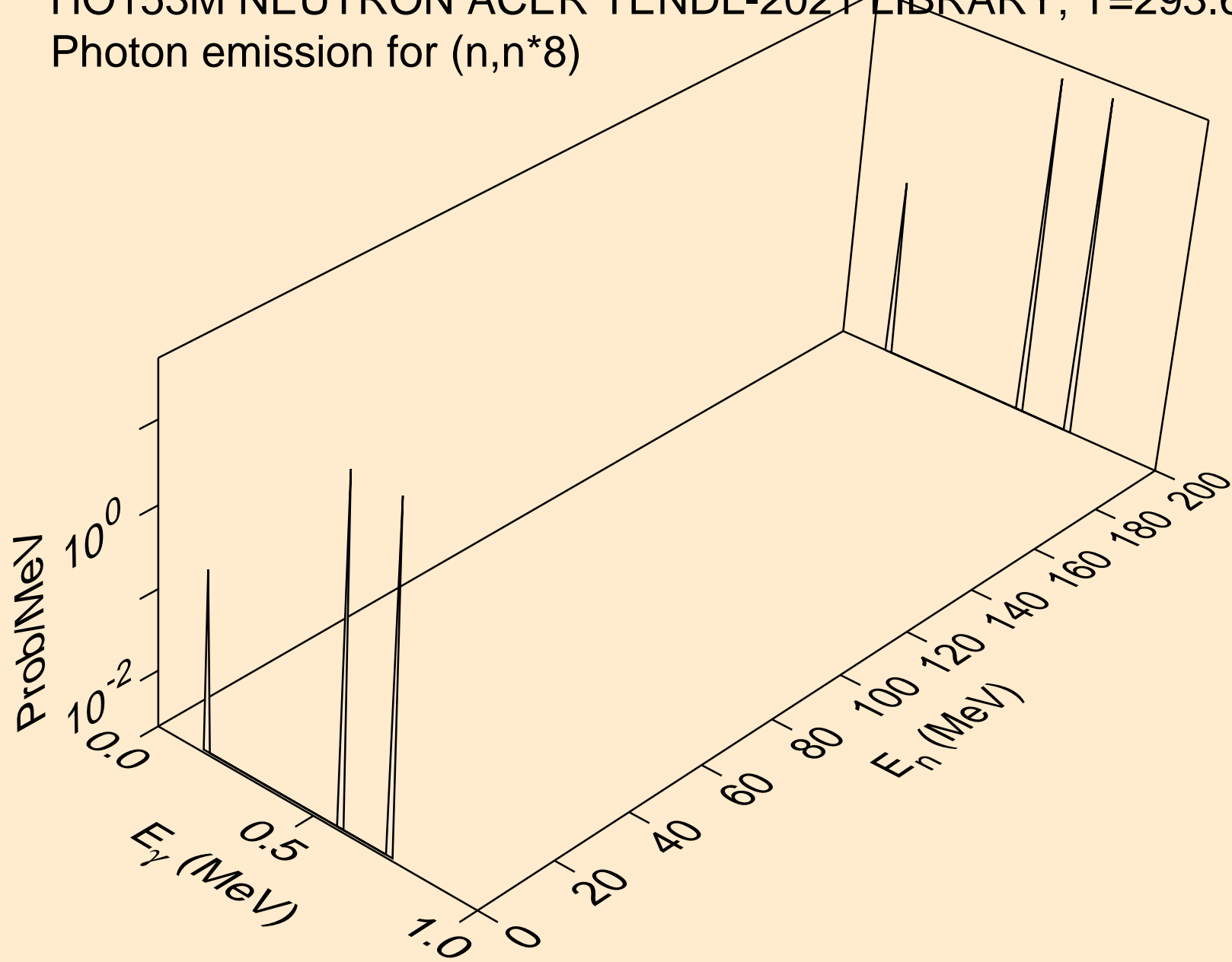
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Photon emission for (n,n\*6)



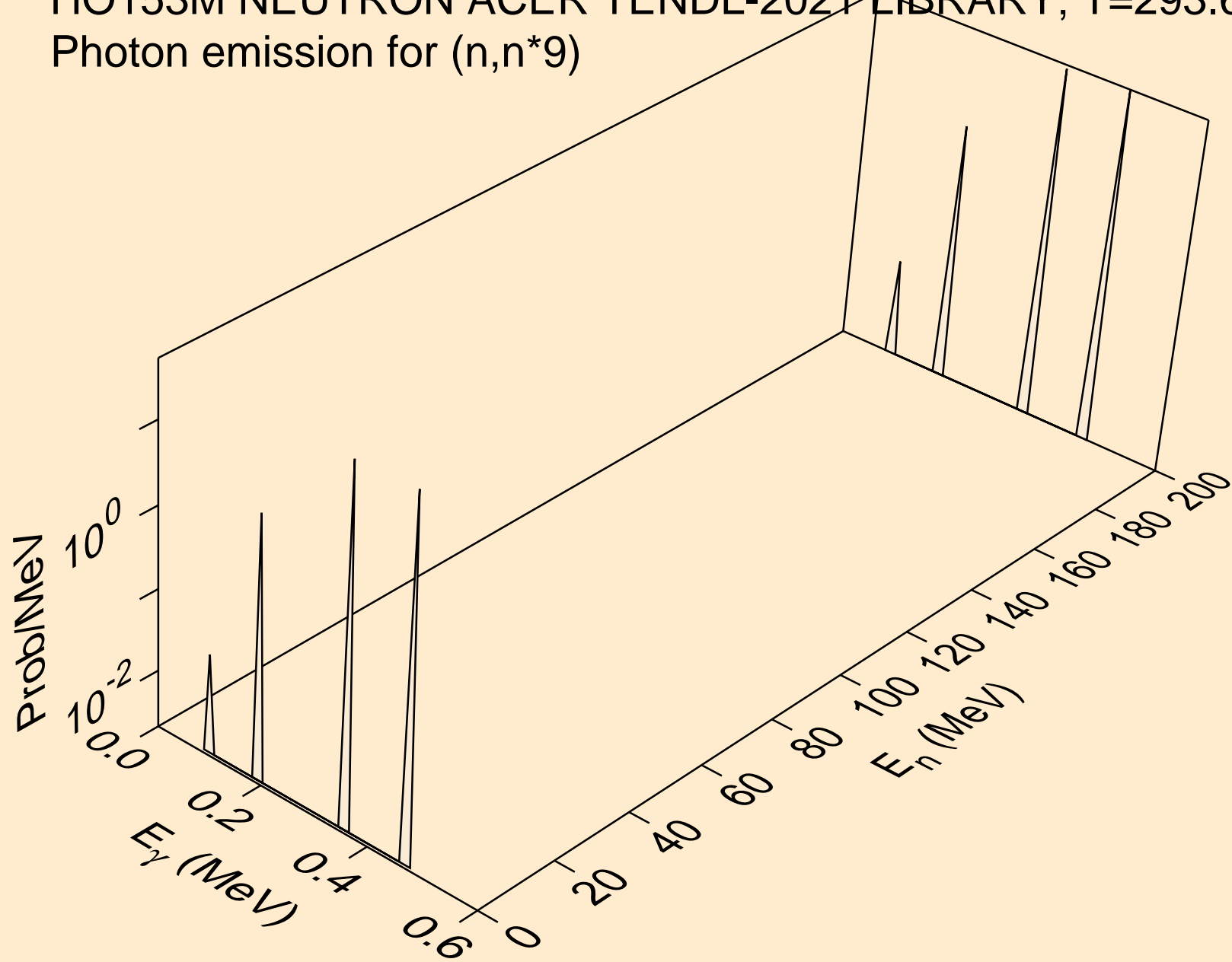
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Photon emission for (n,n\*7)



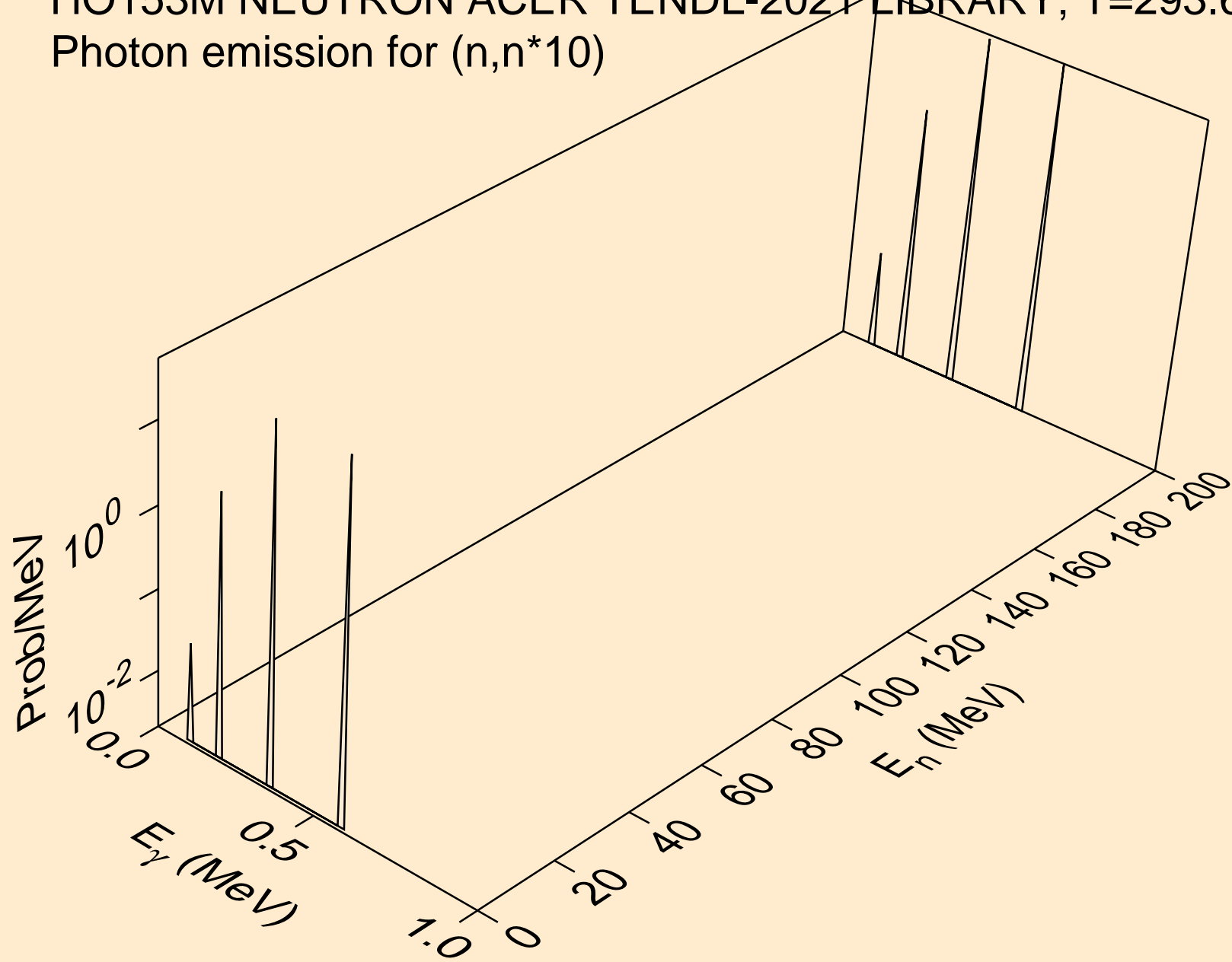
HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*8)



HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*9)

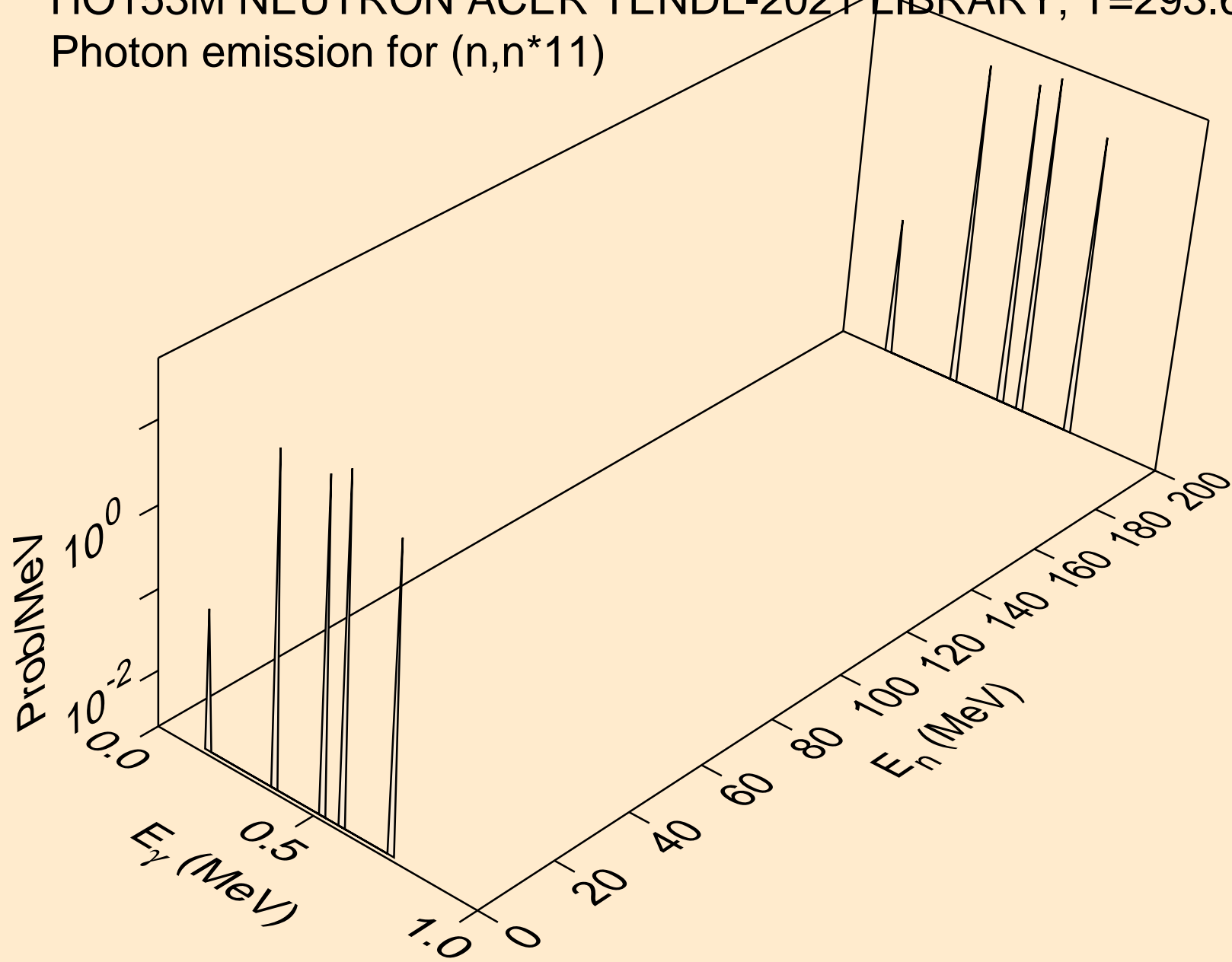


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Photon emission for (n,n\*10)

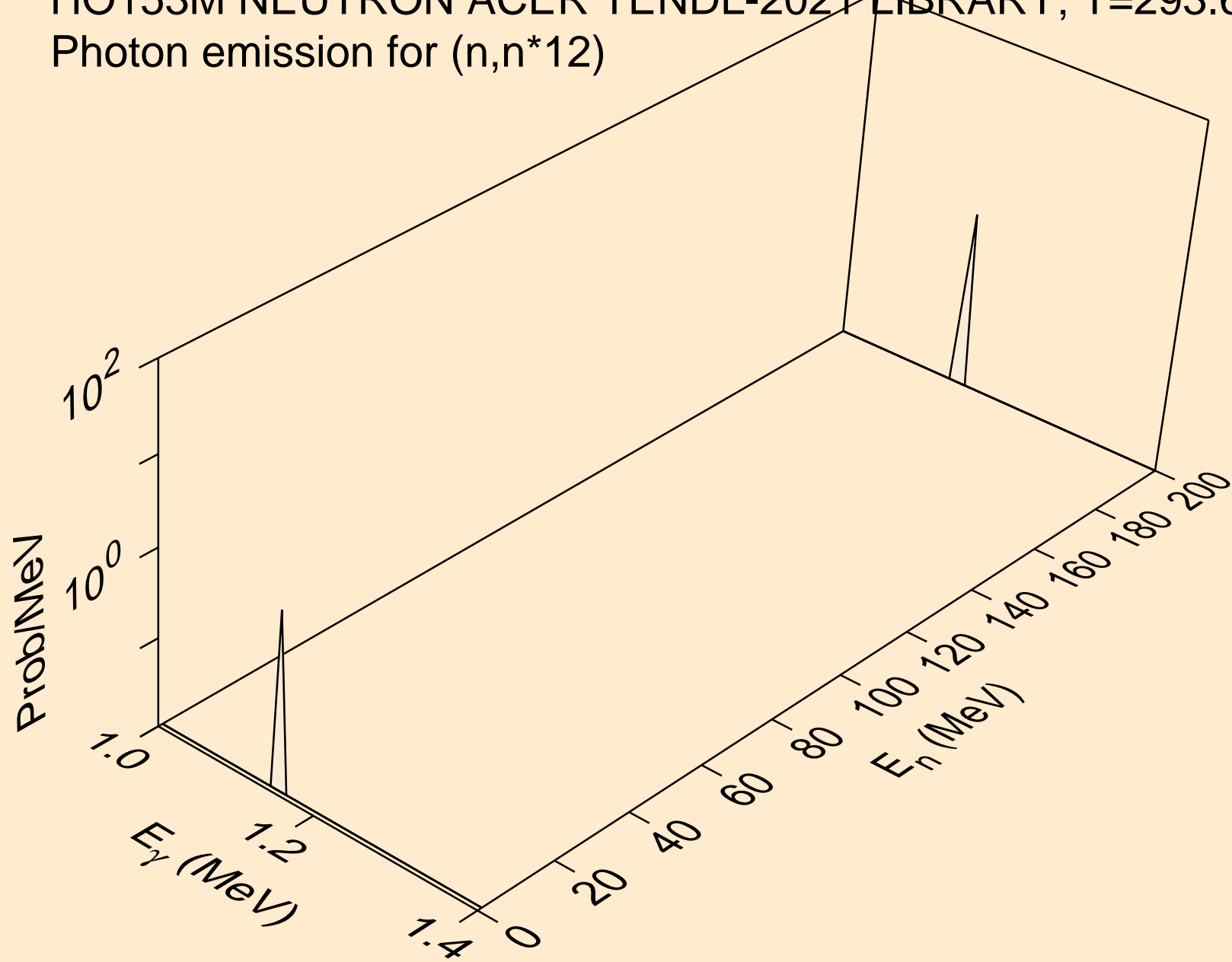




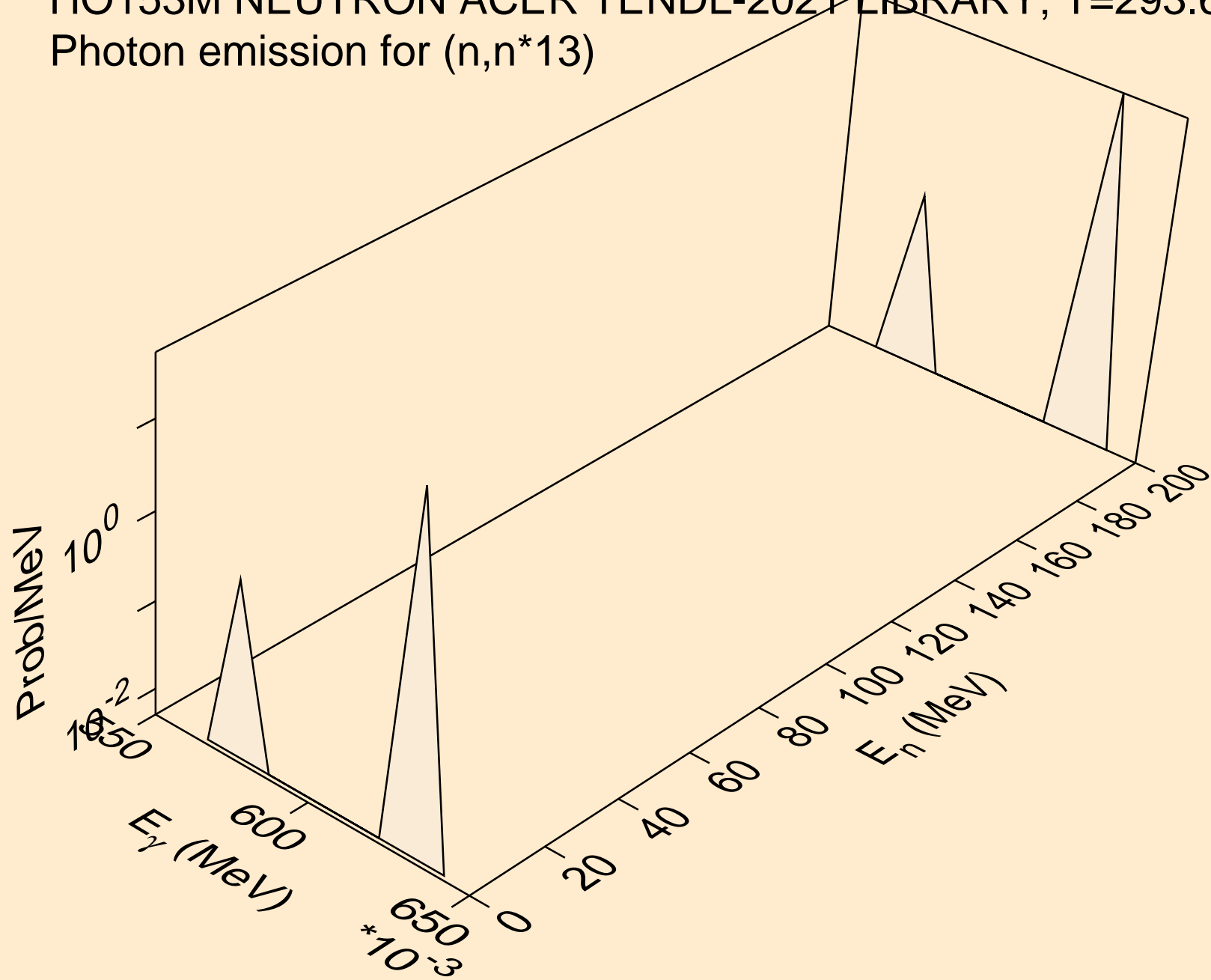
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Photon emission for (n,n\*11)



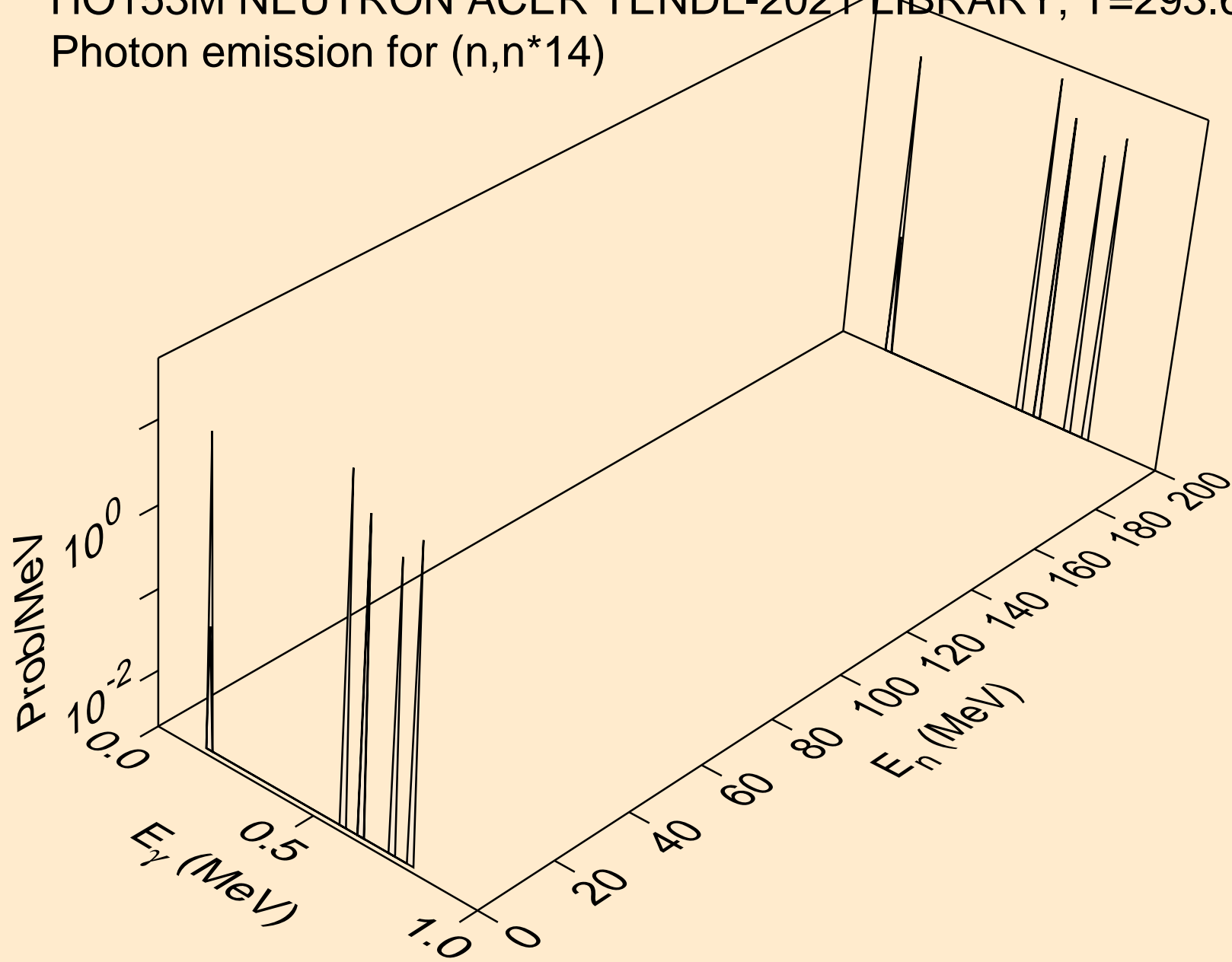
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Photon emission for (n,n\*12)



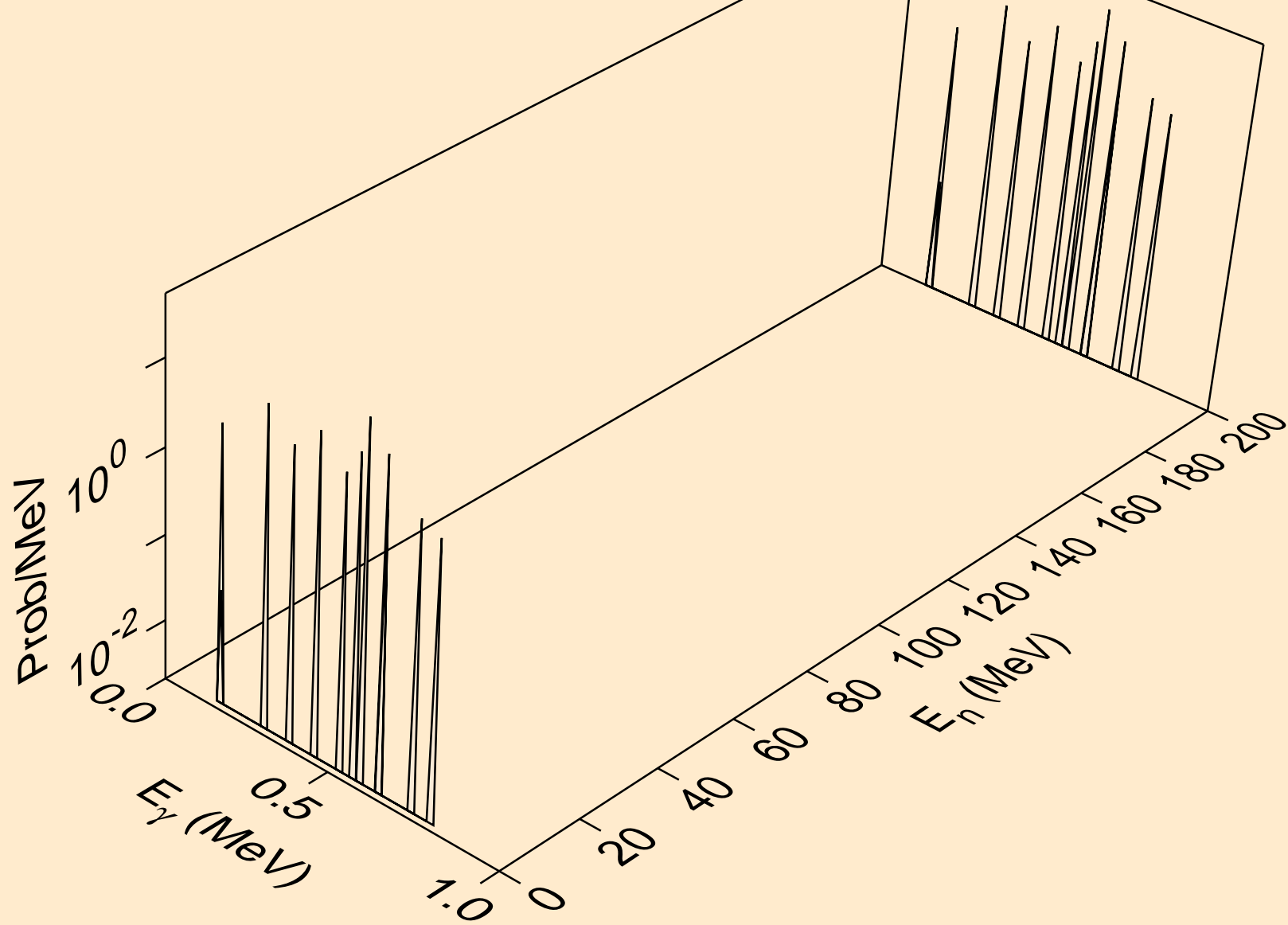
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Photon emission for (n,n\*13)



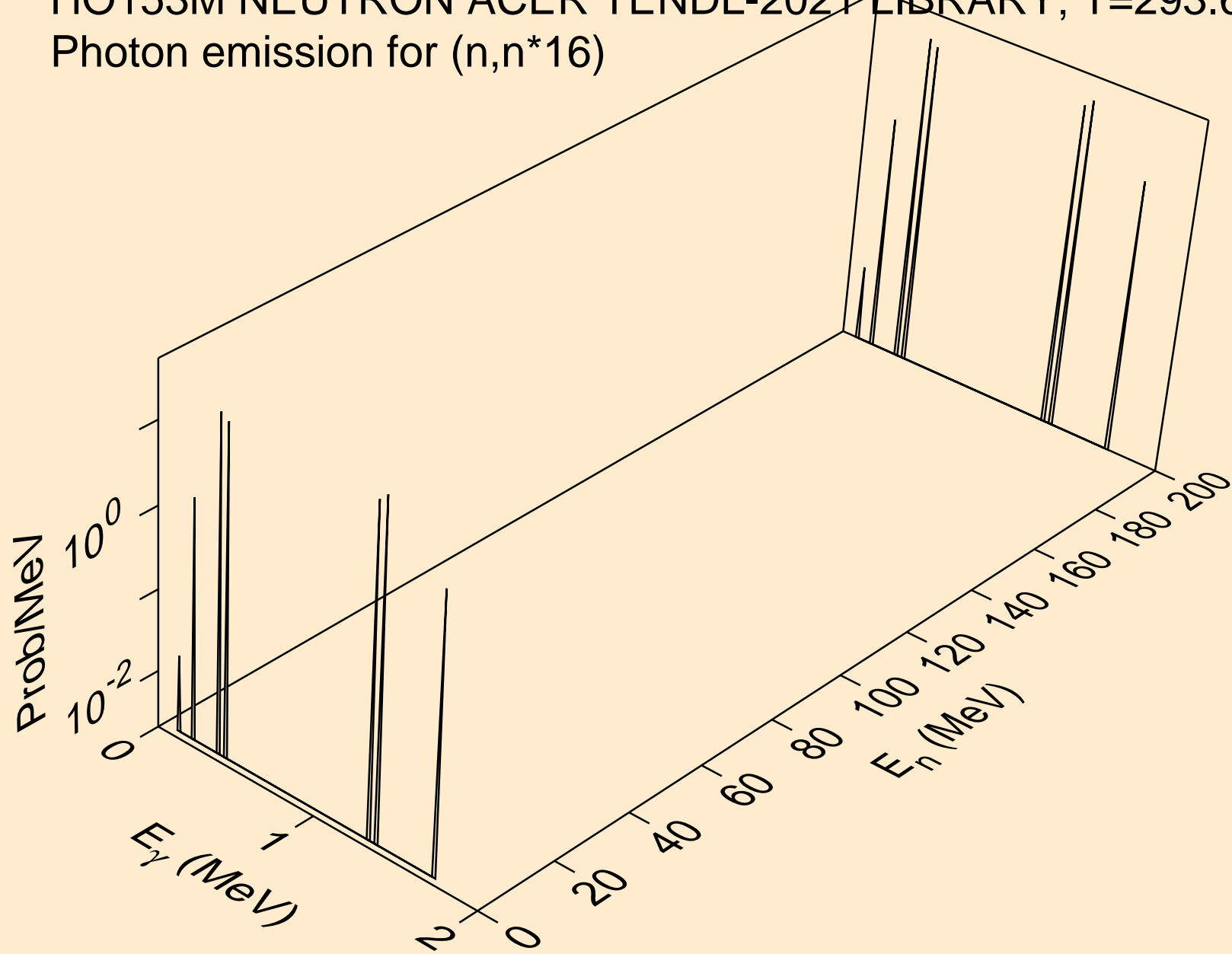
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Photon emission for (n,n\*14)



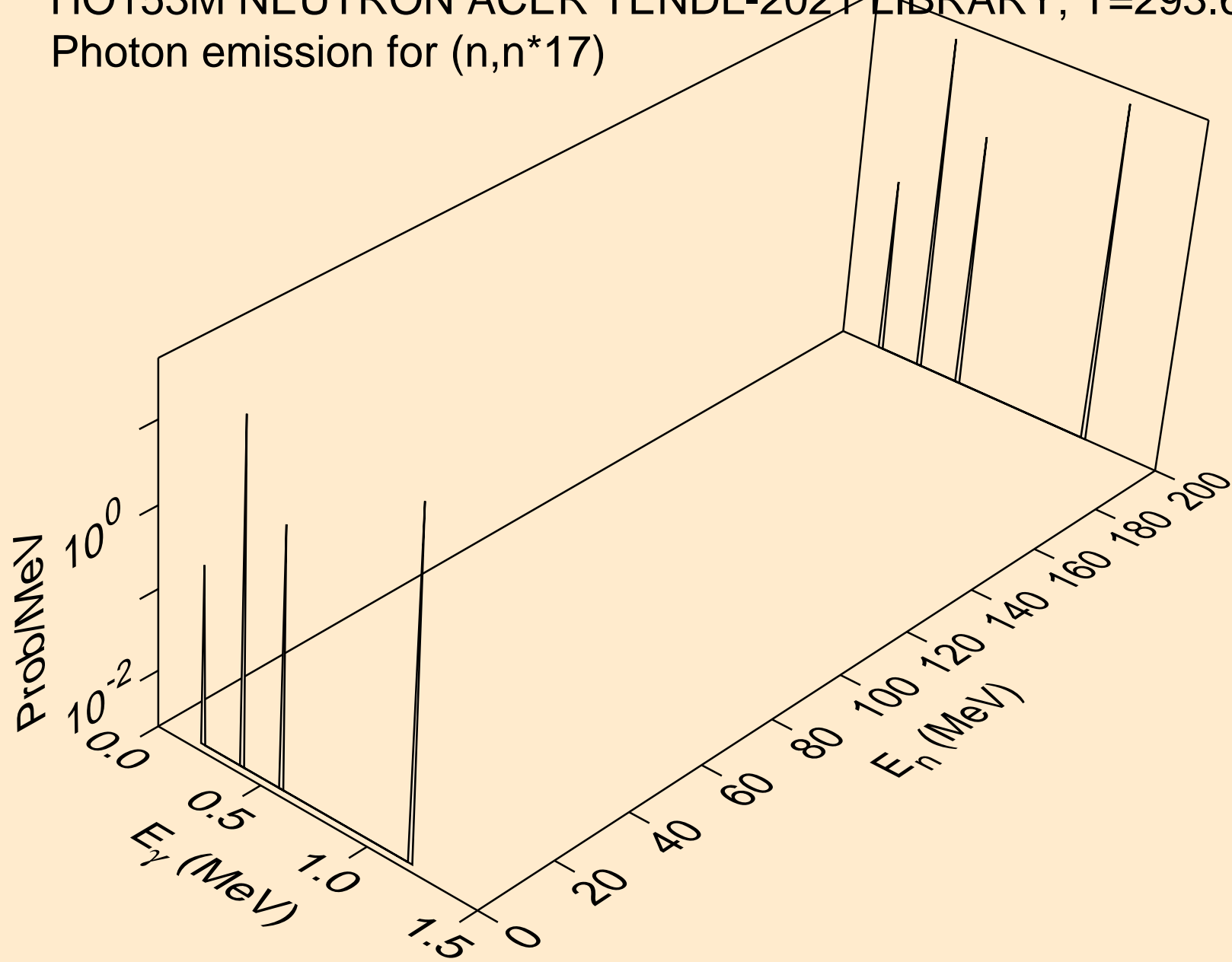
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Photon emission for (n,n\*15)



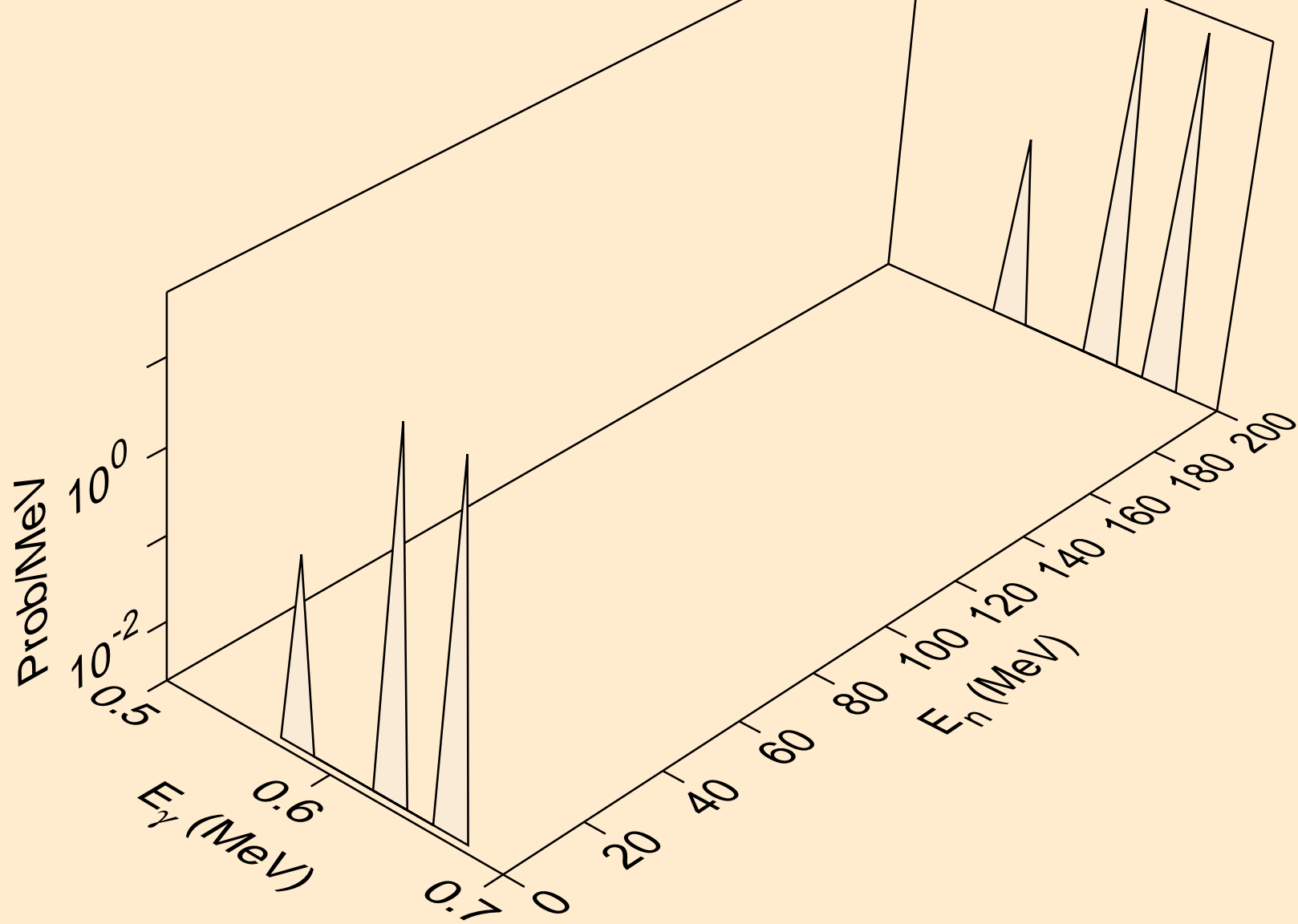
HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*16)



HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*17)

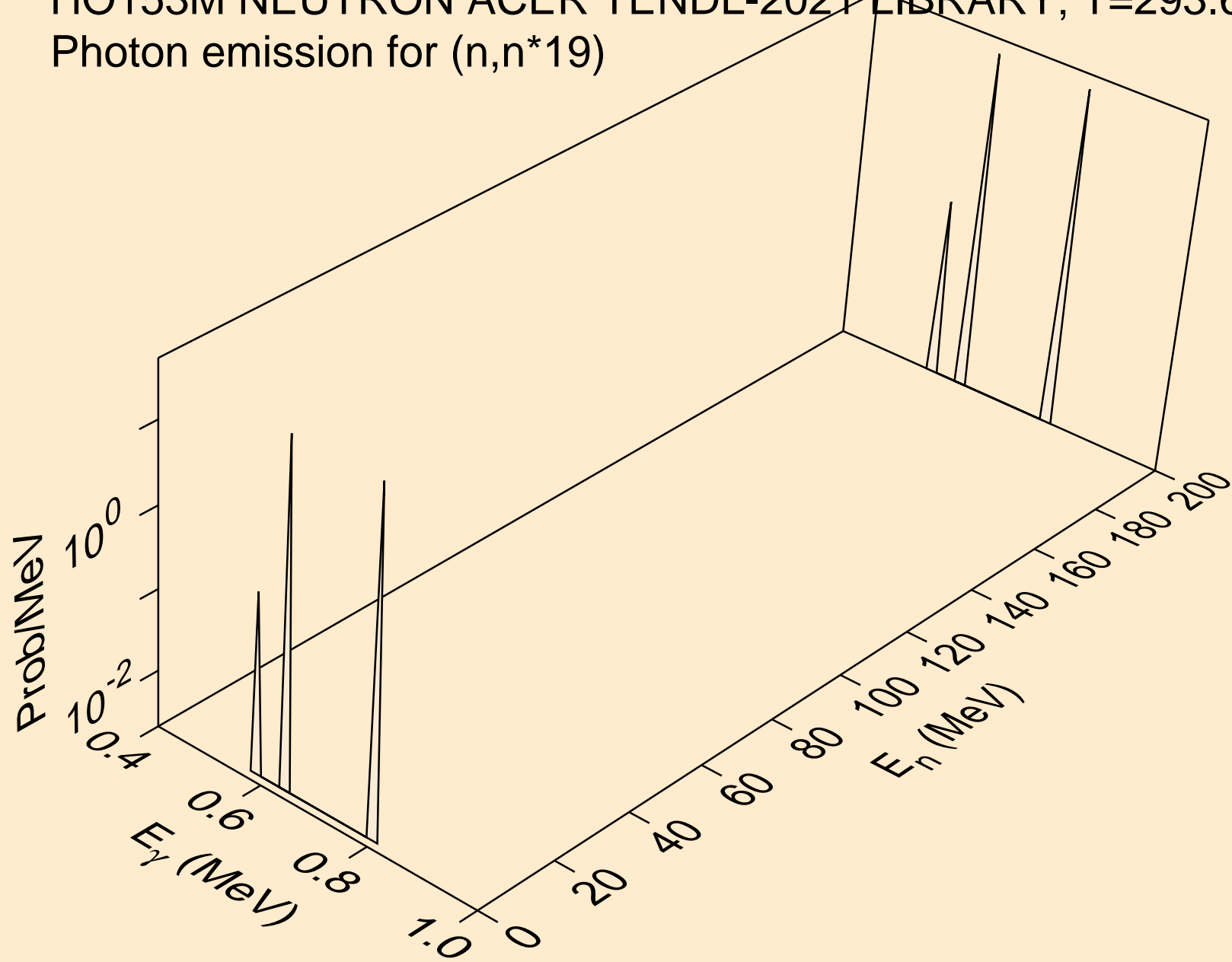


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Photon emission for (n,n\*18)

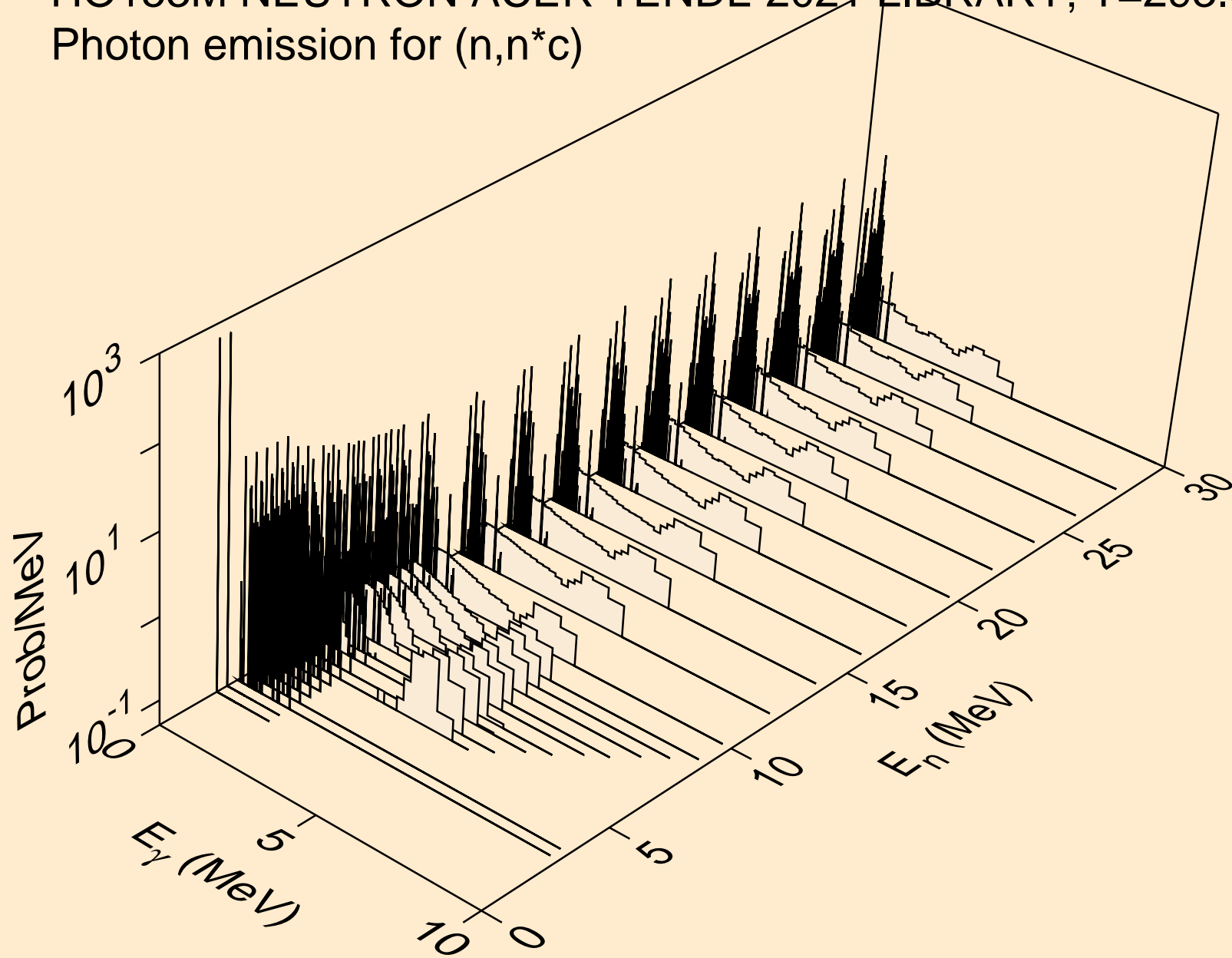




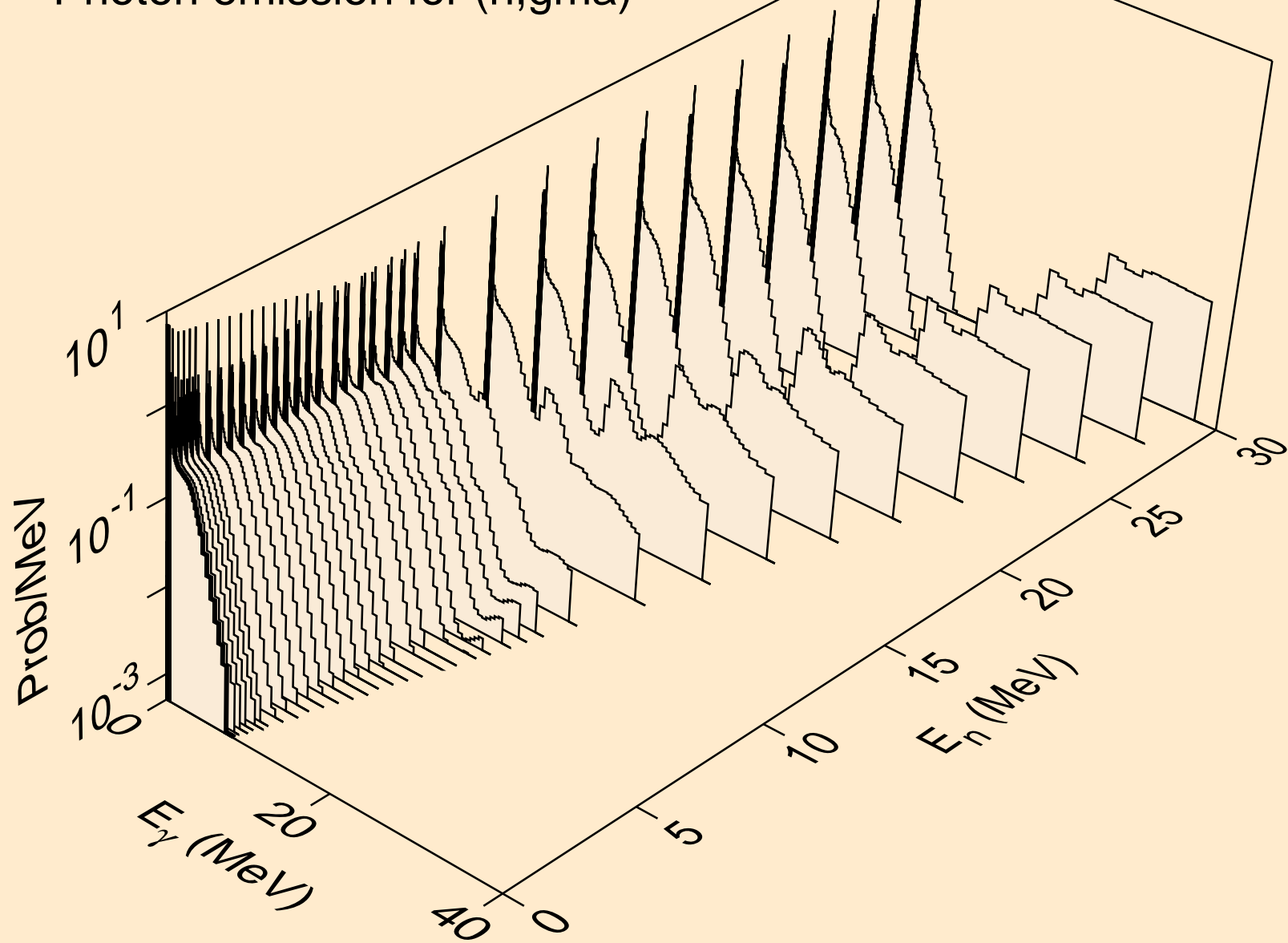
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Photon emission for (n,n\*19)



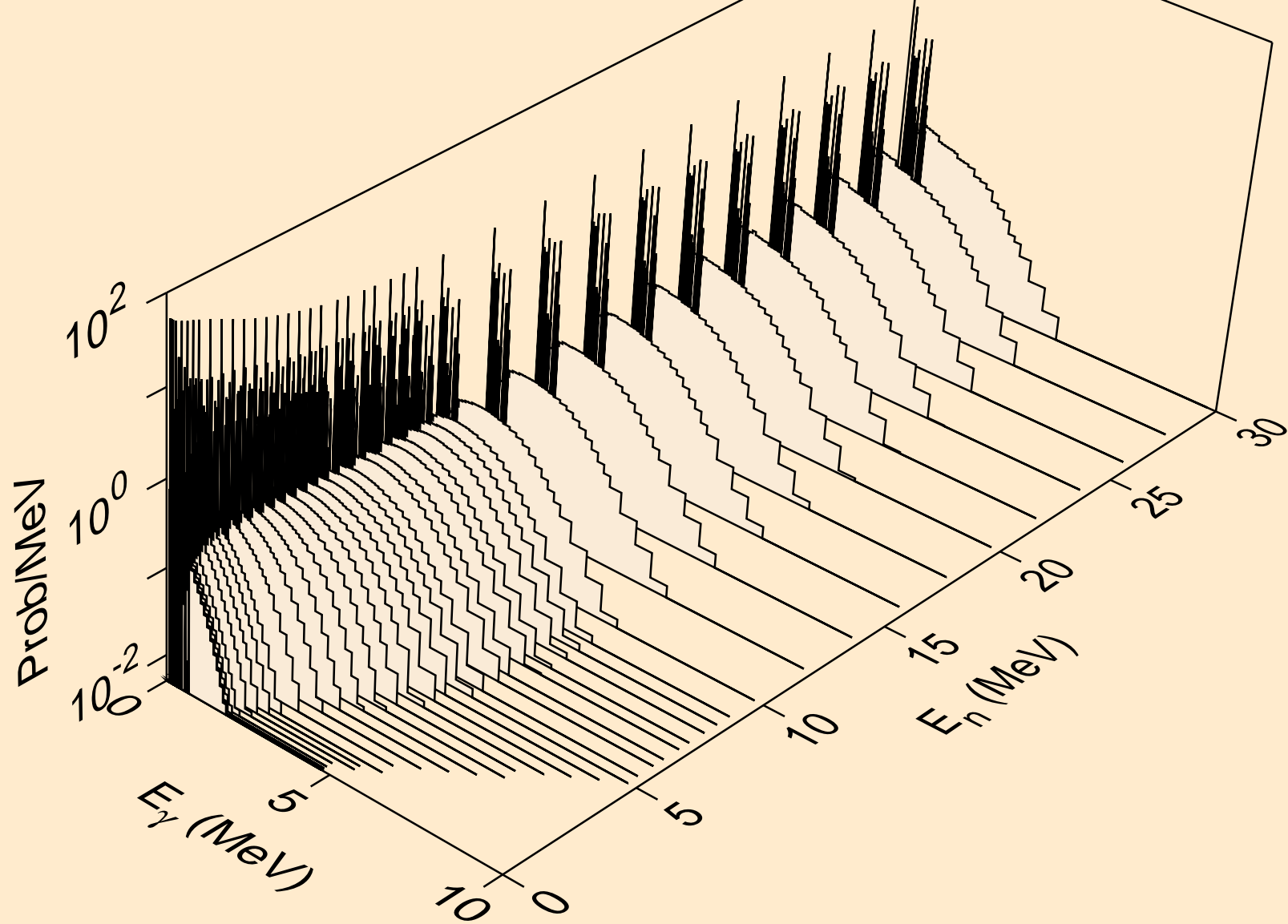
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Photon emission for (n,n\*c)



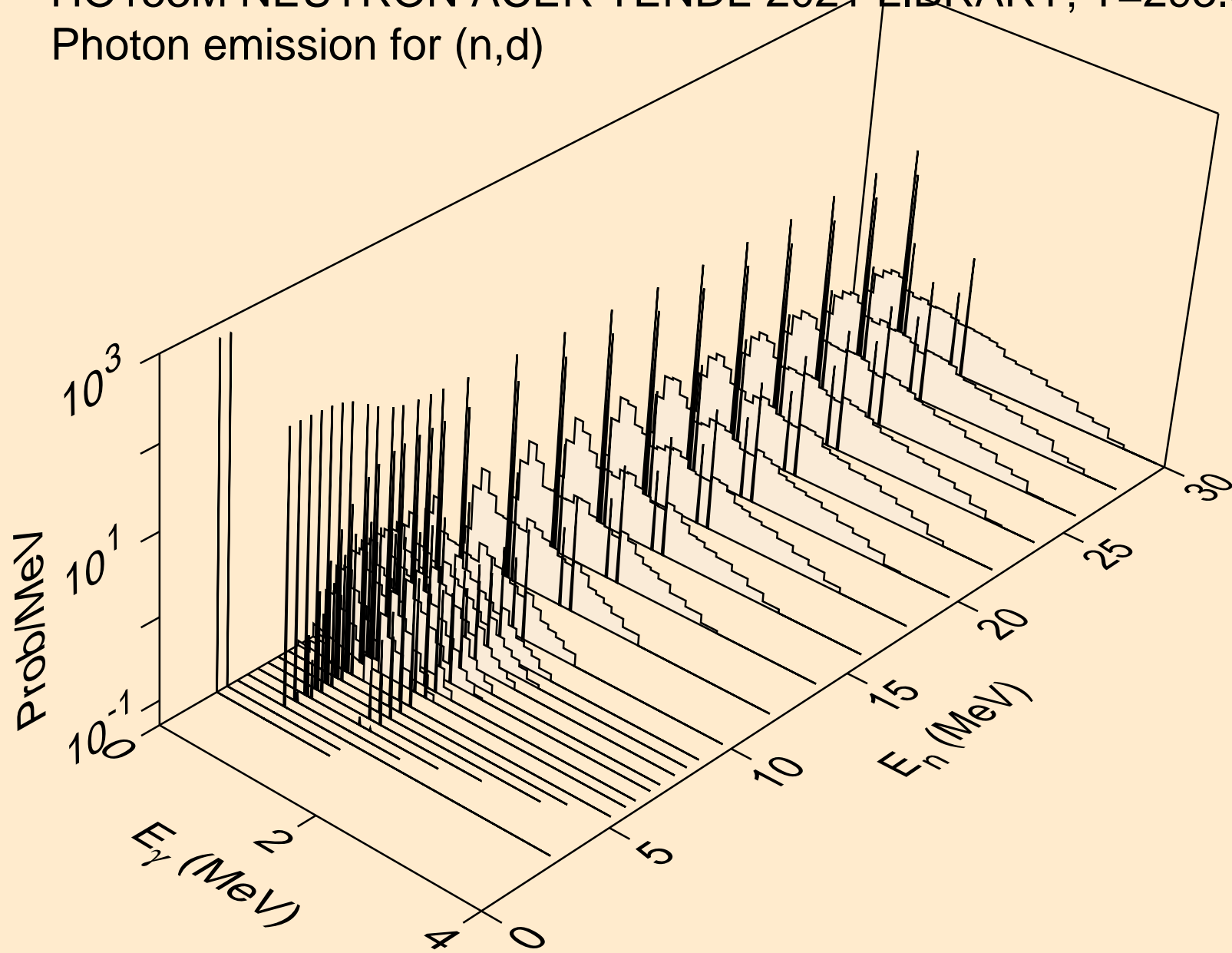
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Photon emission for (n,gma)



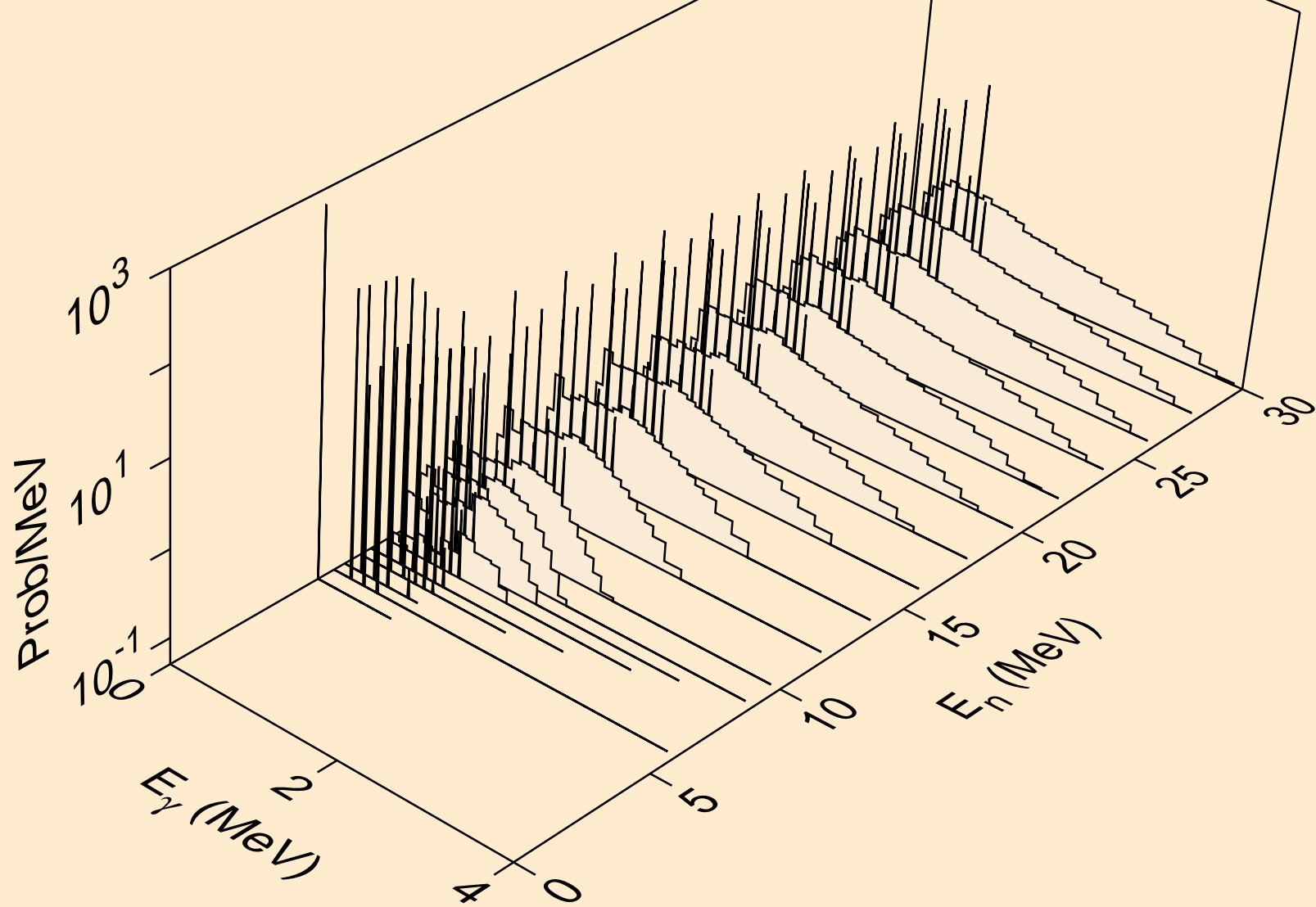
HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,p)



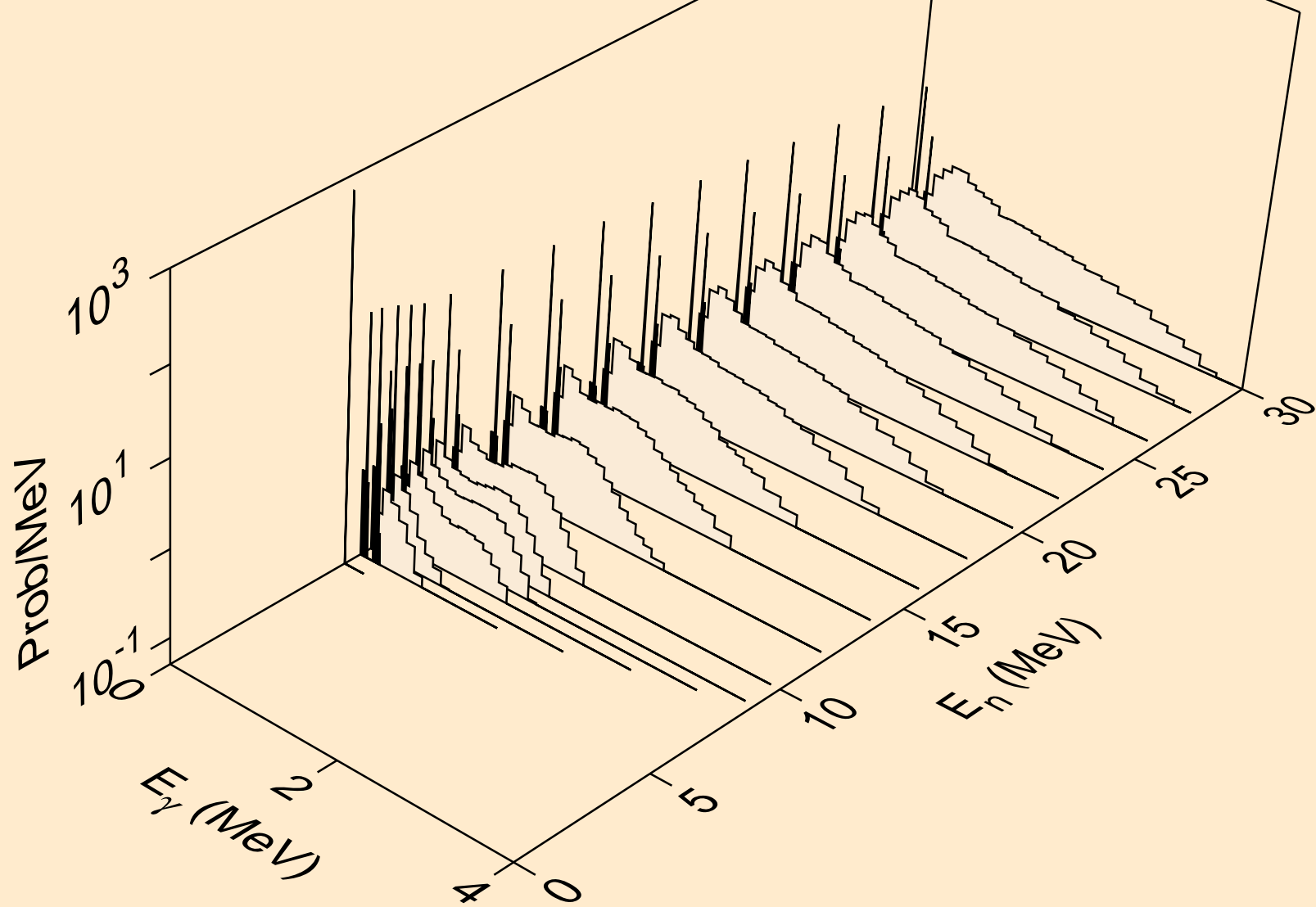
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Photon emission for (n,d)



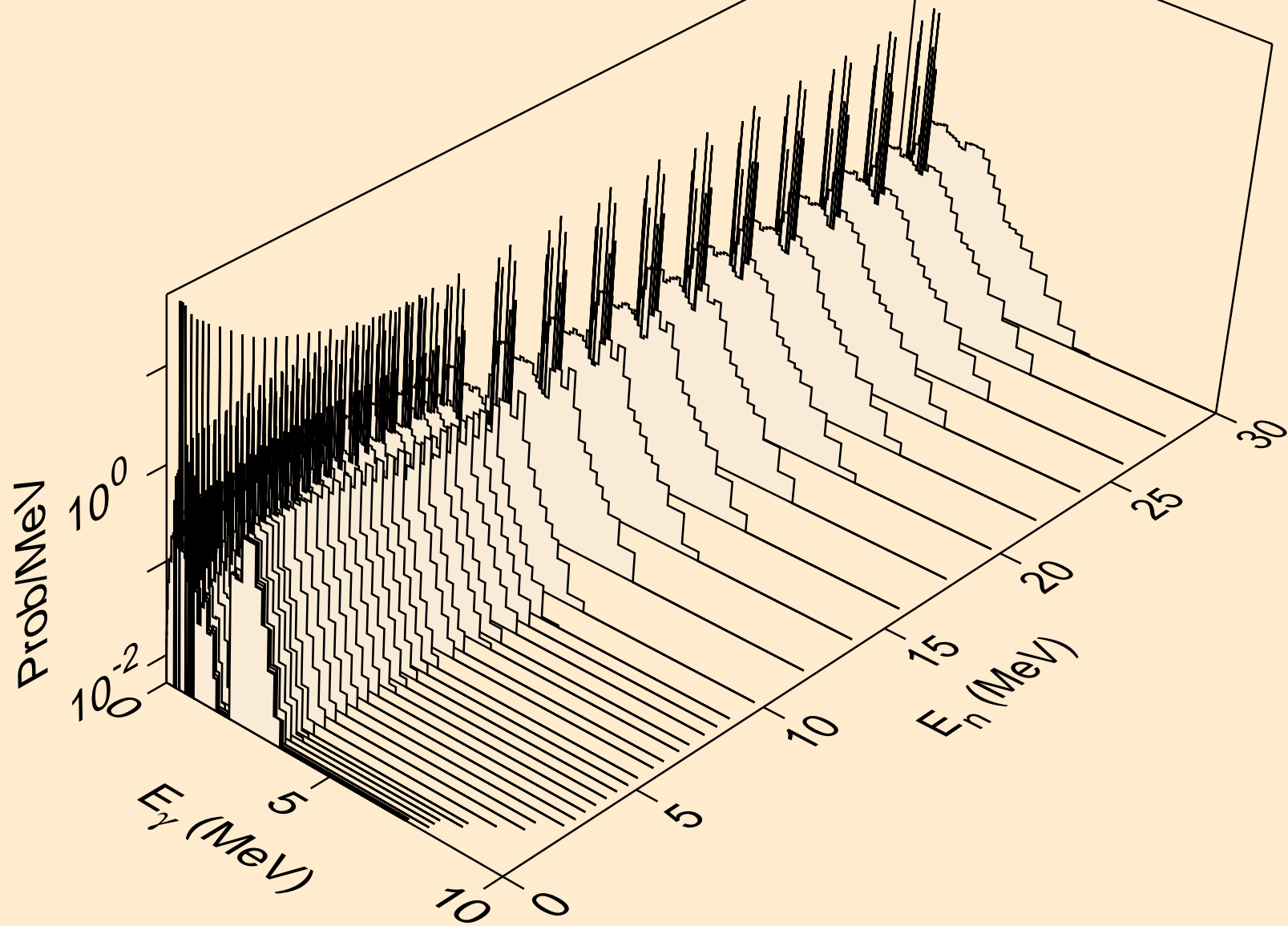
HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,t)



HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,he3)

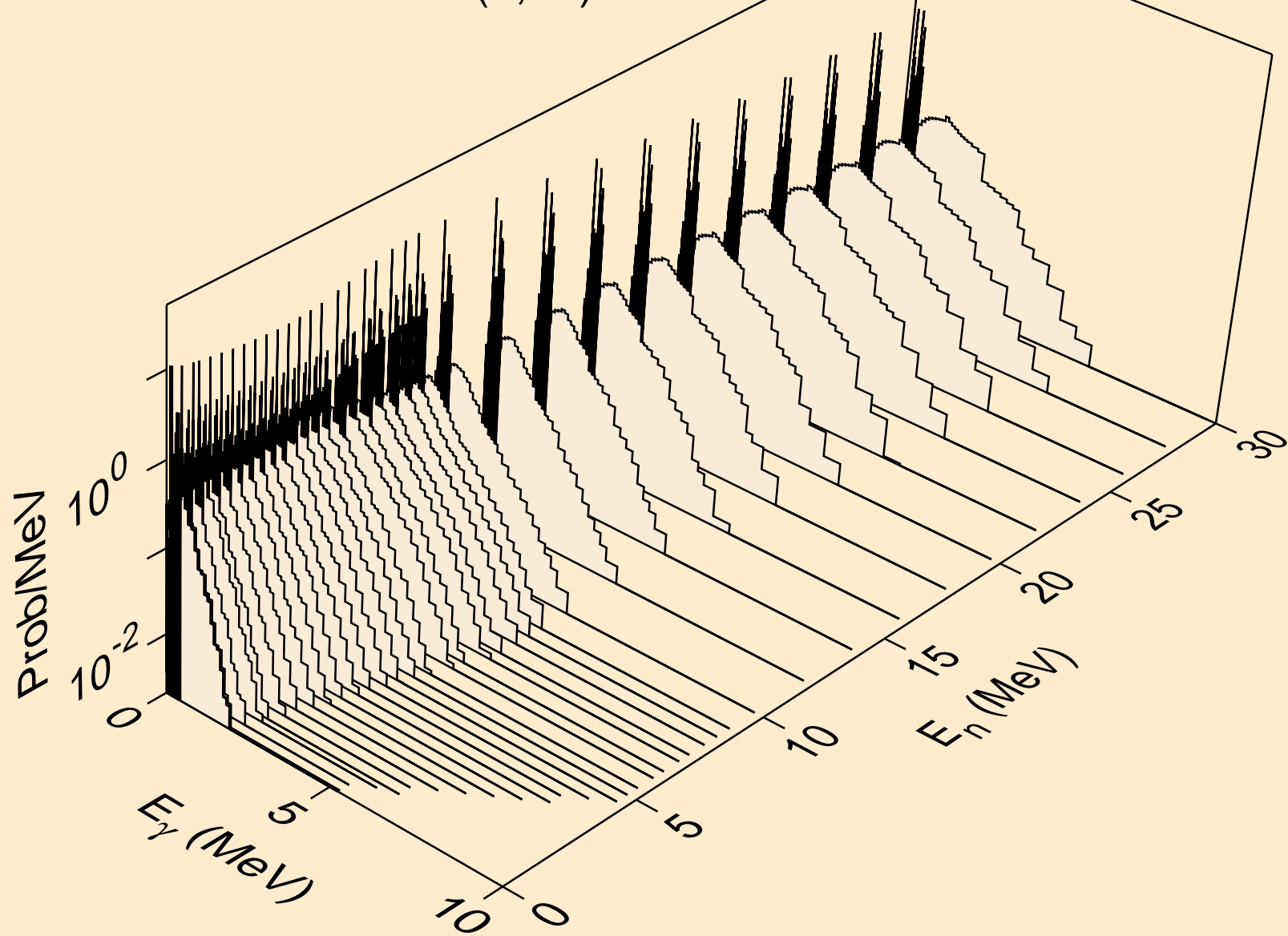


HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,a)

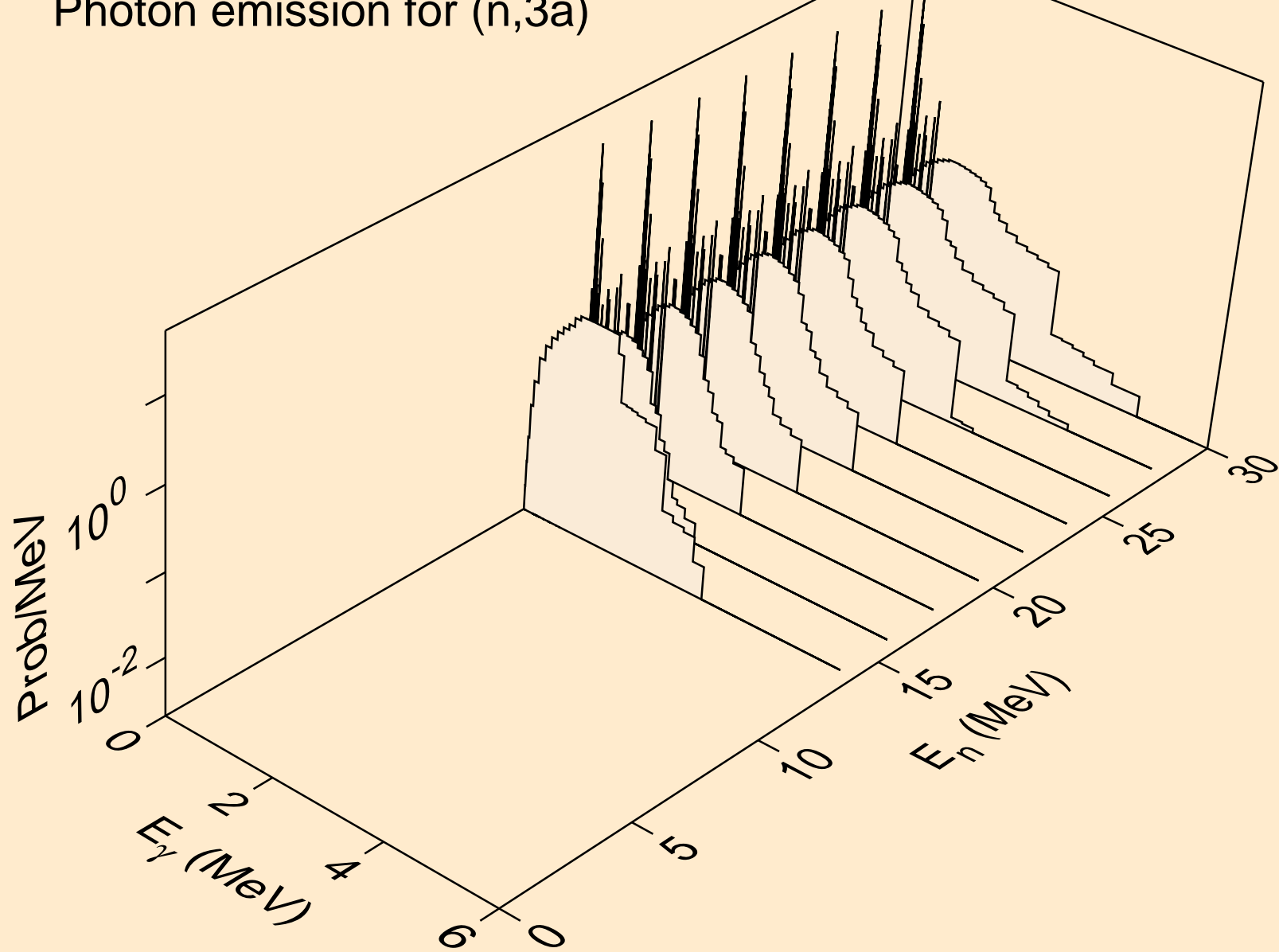




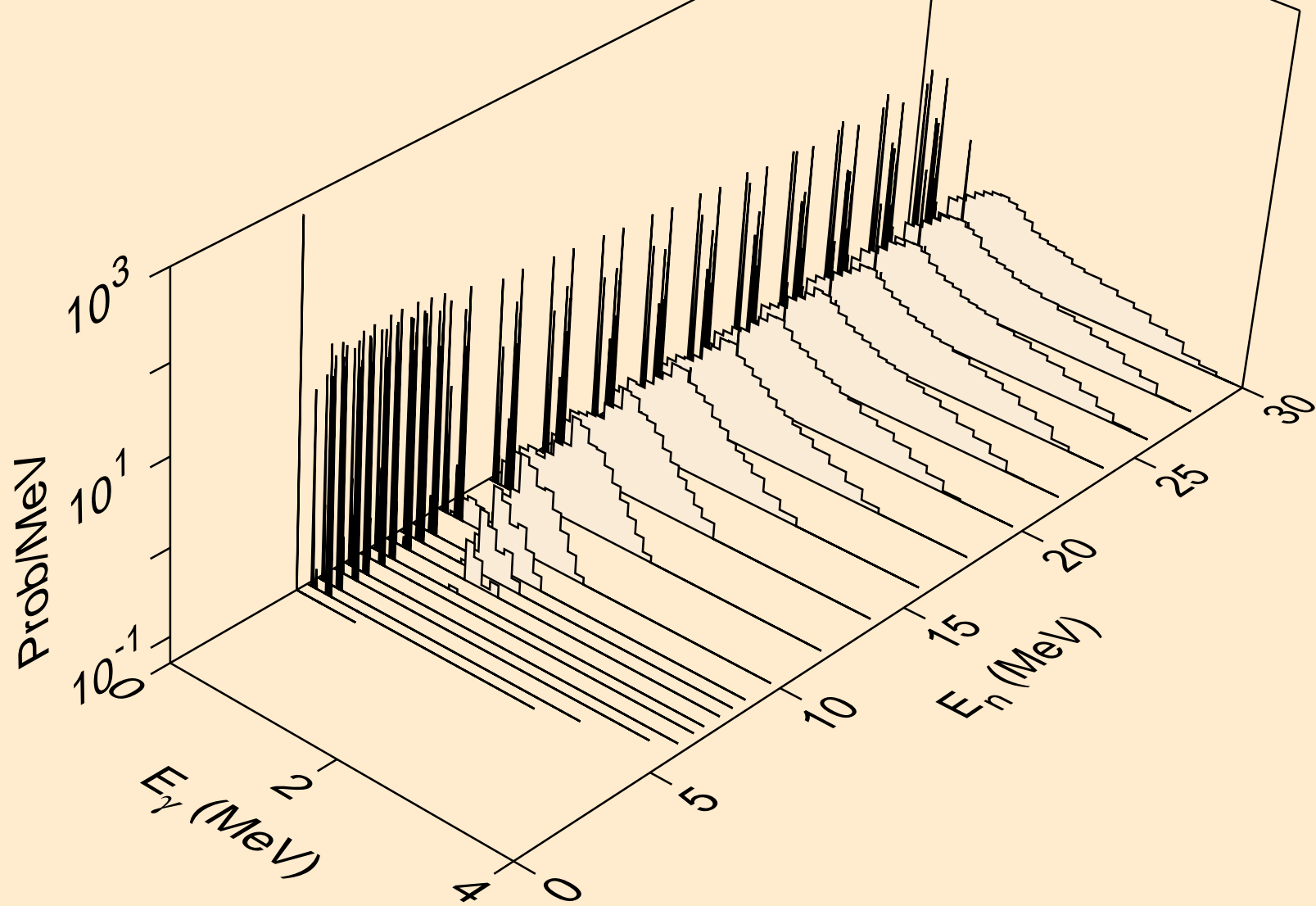
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Photon emission for (n,2a)



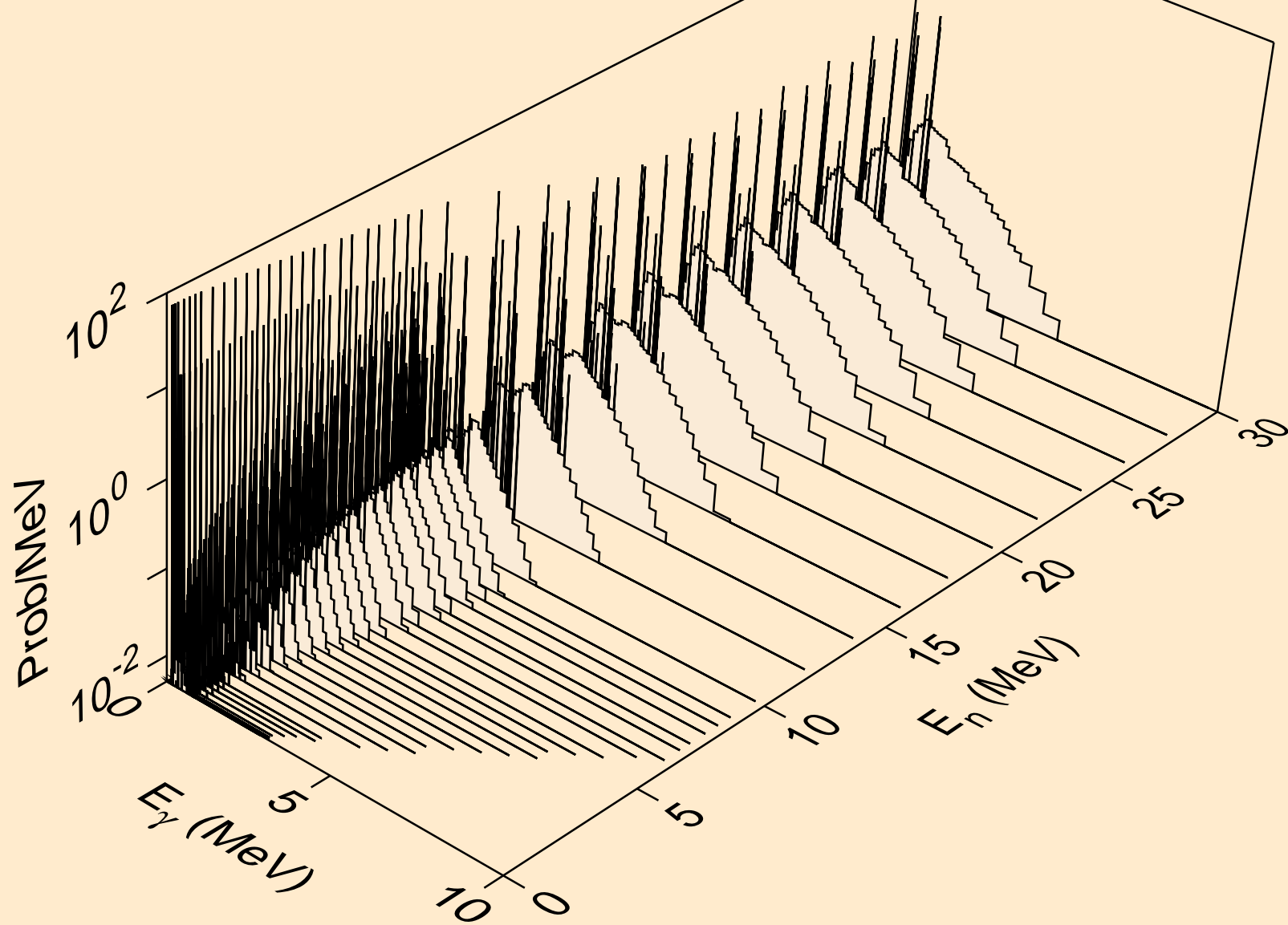
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Photon emission for (n,3a)



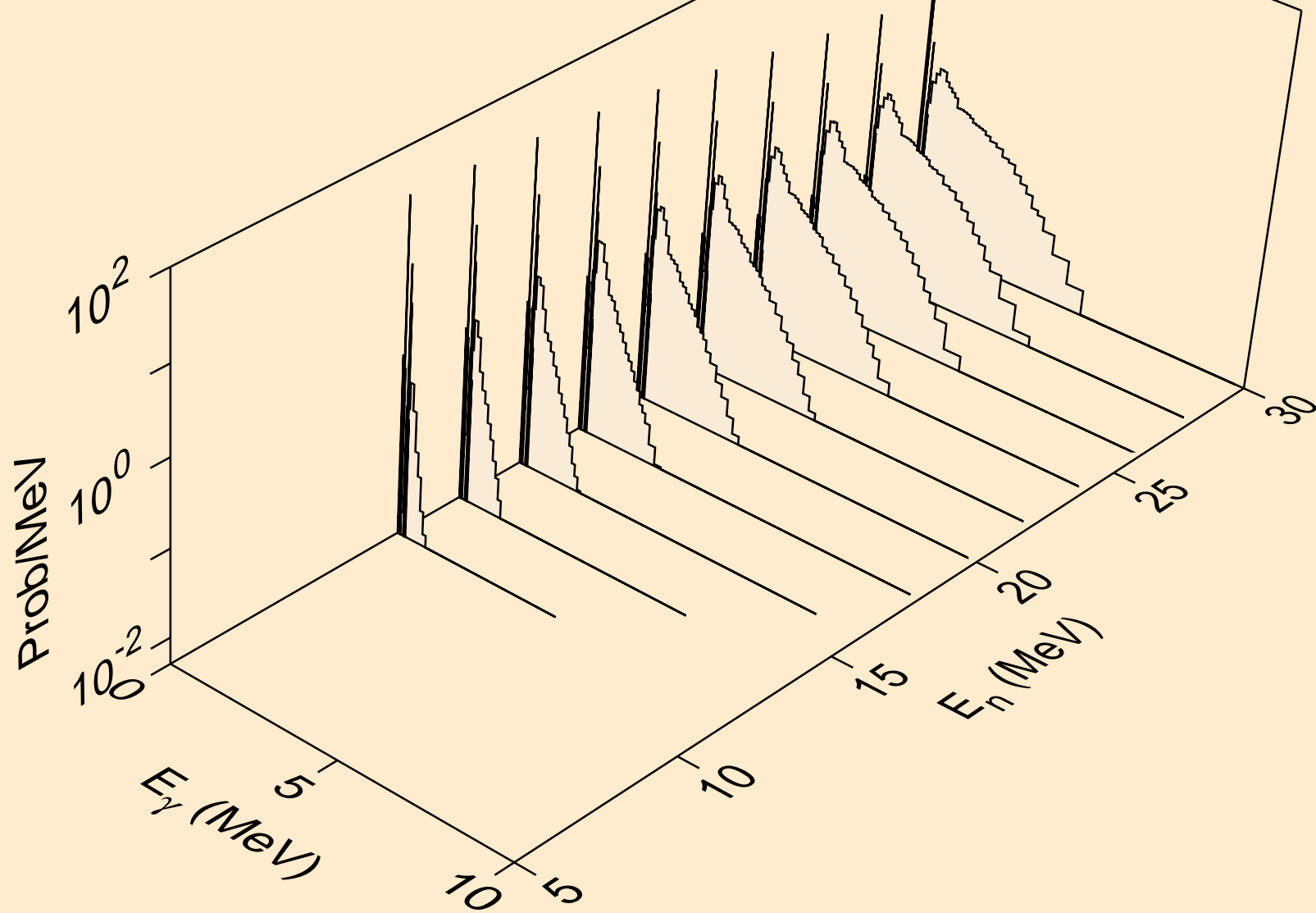
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Photon emission for (n,2p)



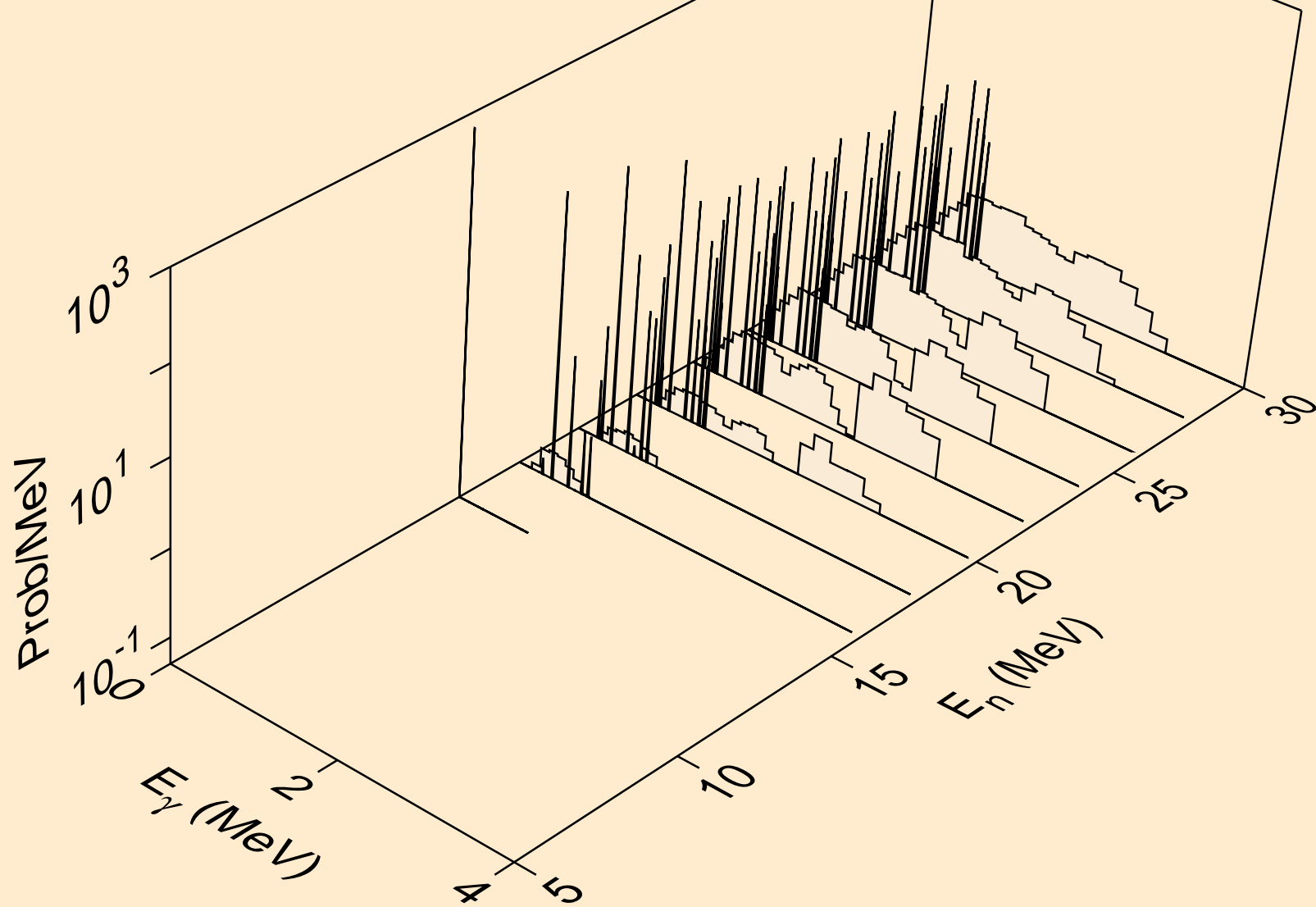
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Photon emission for (n,p)



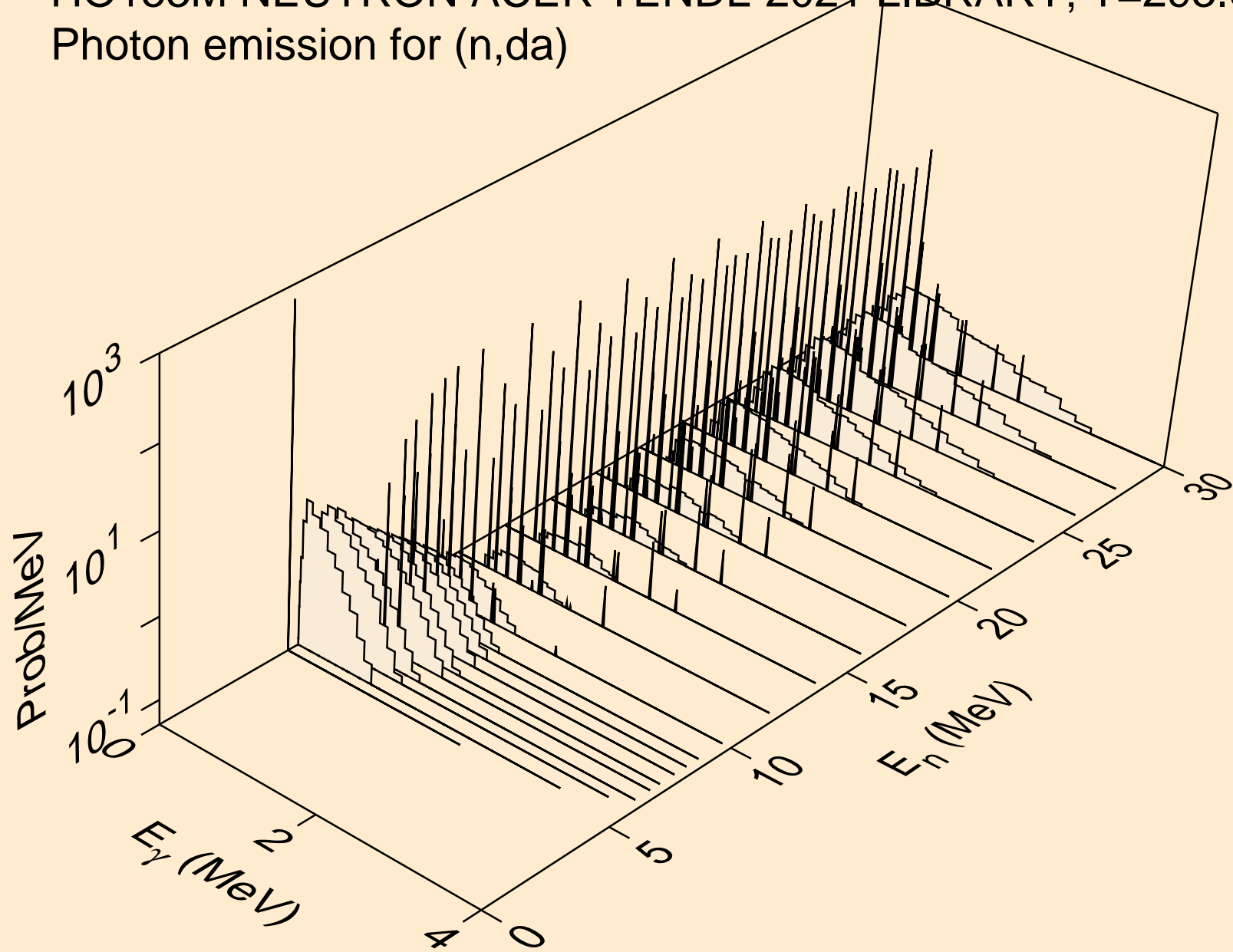
HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,pd)



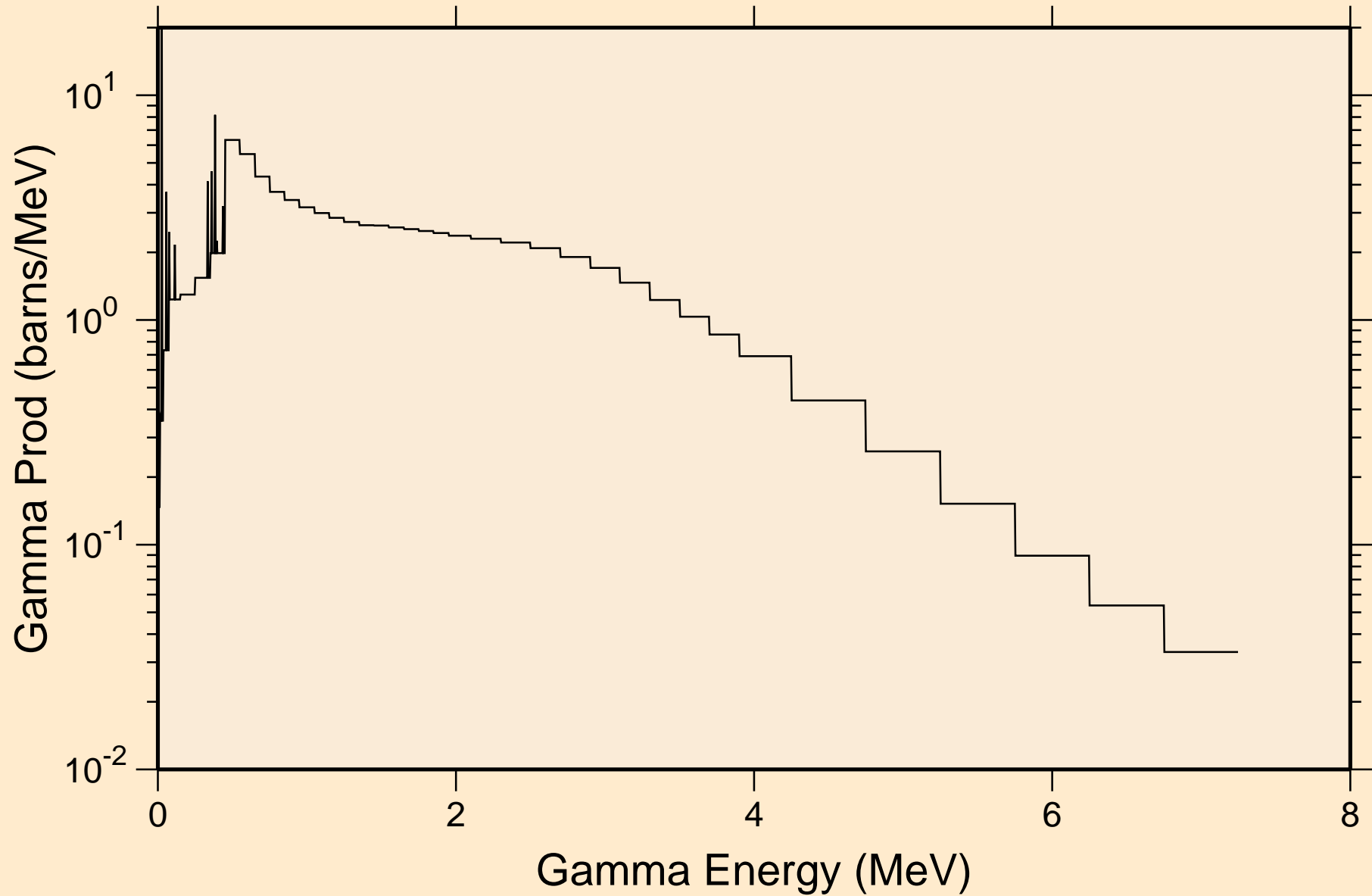
HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,pt)



HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,da)

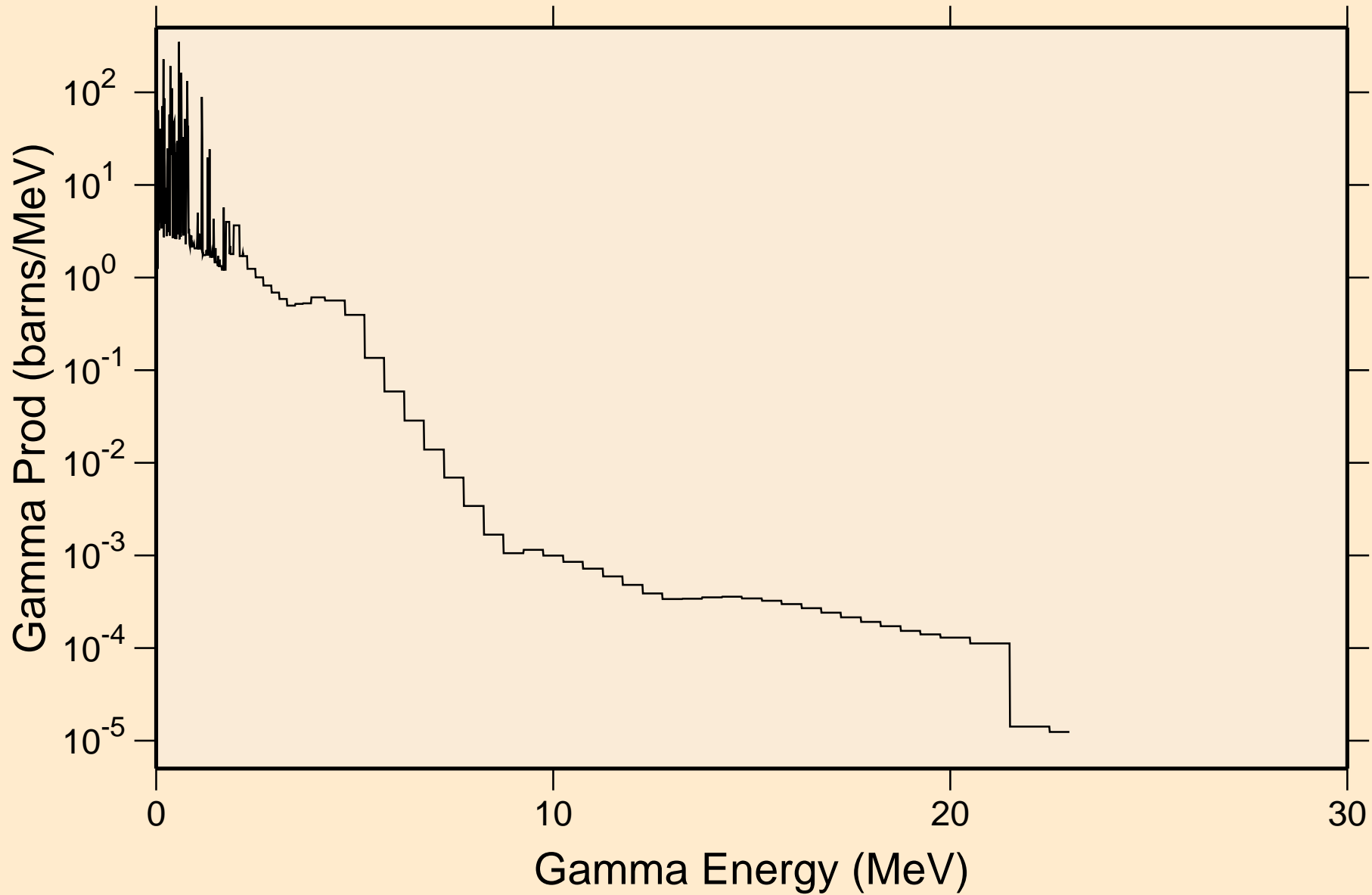


HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
thermal capture photon spectrum



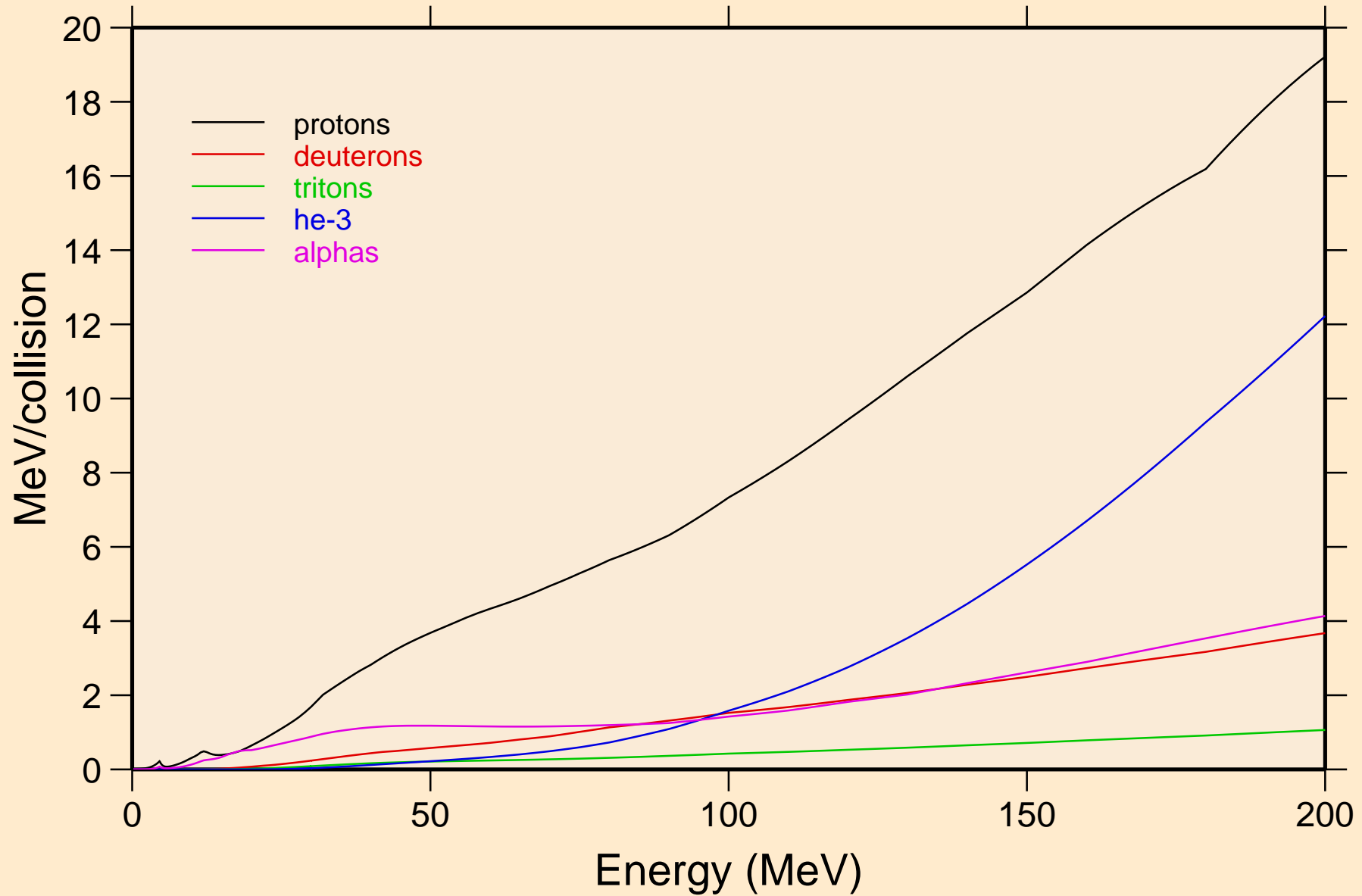


HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
14 MeV photon spectrum

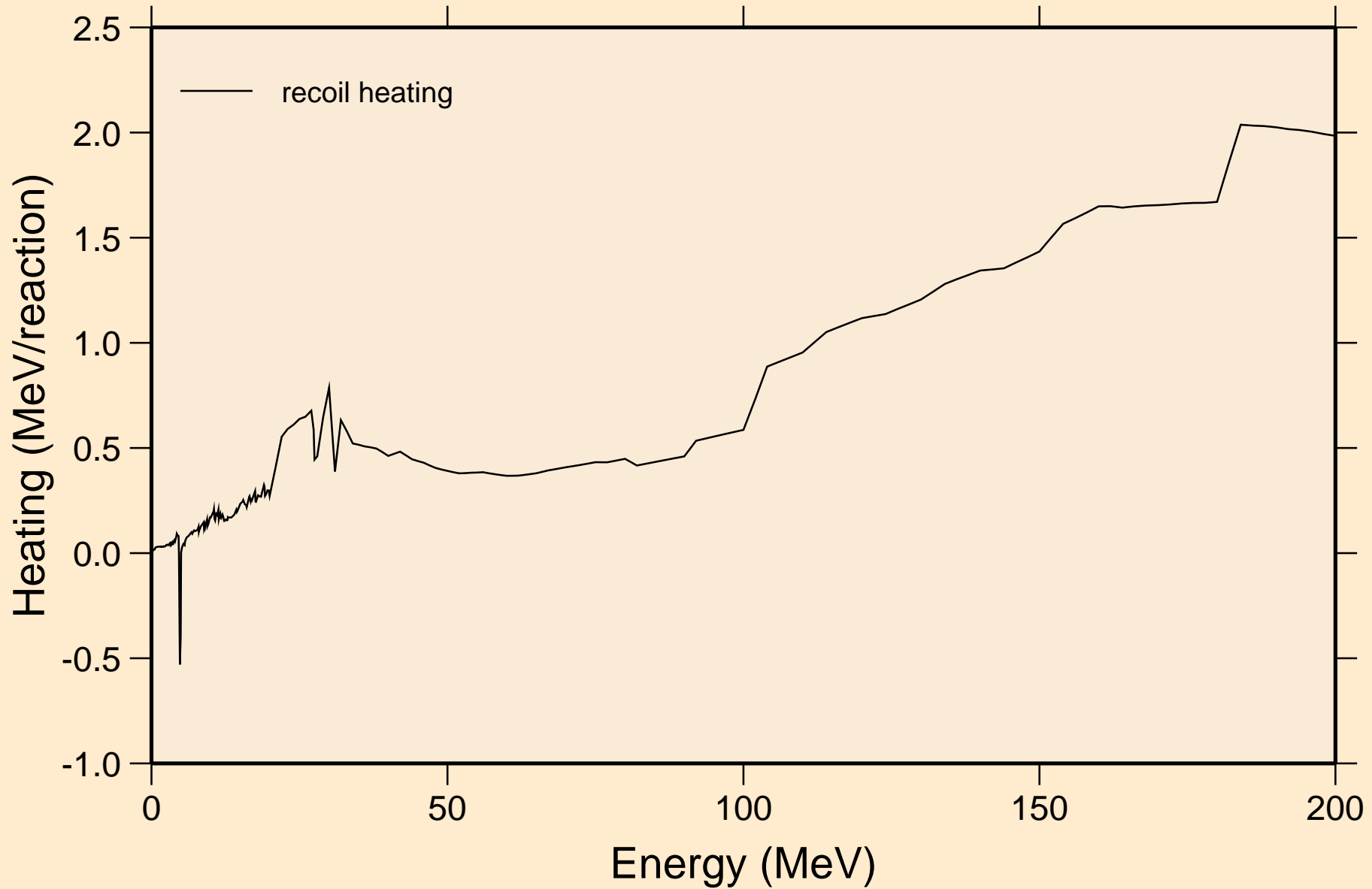


# HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

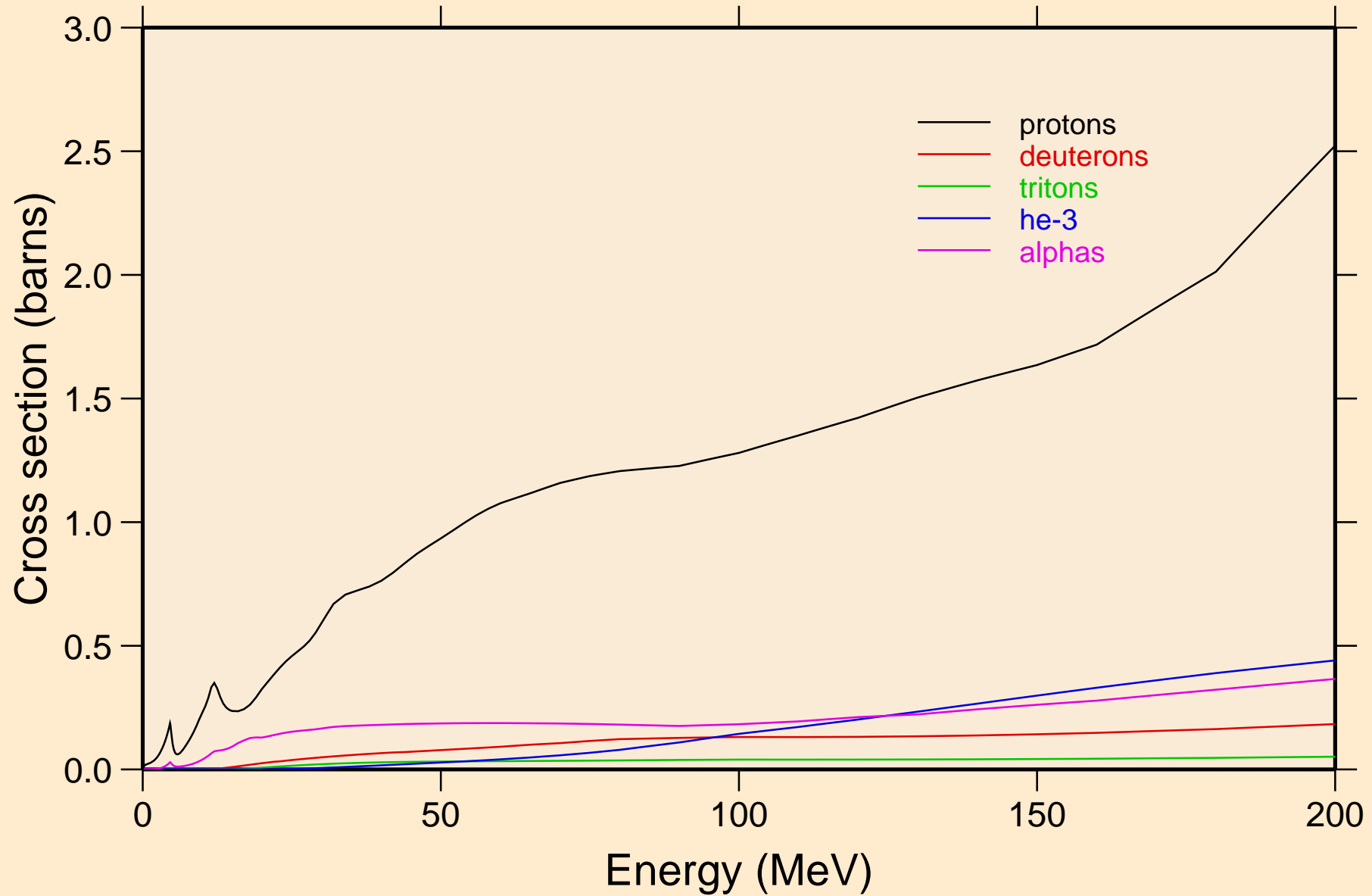
## Particle heating contributions



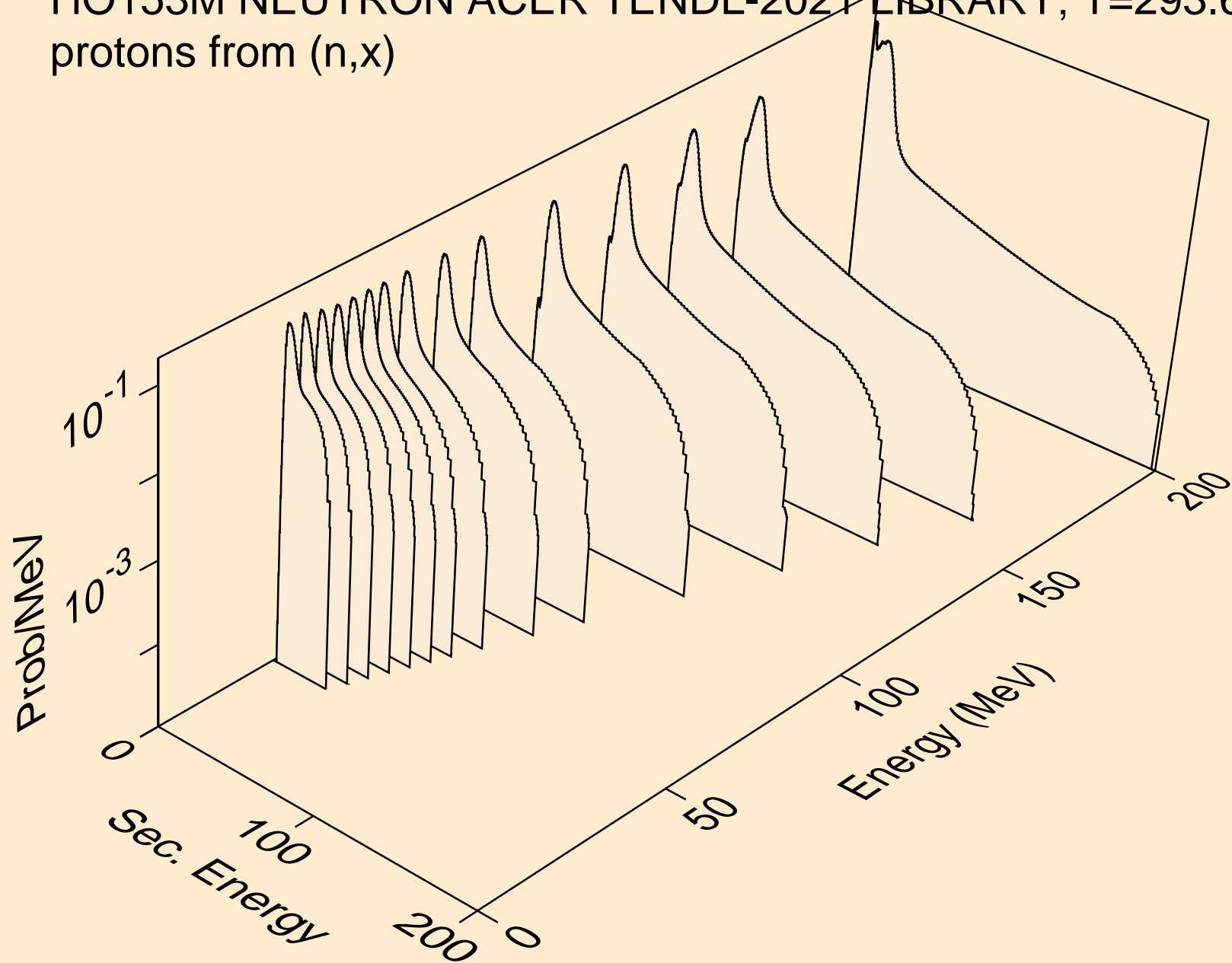
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Recoil Heating



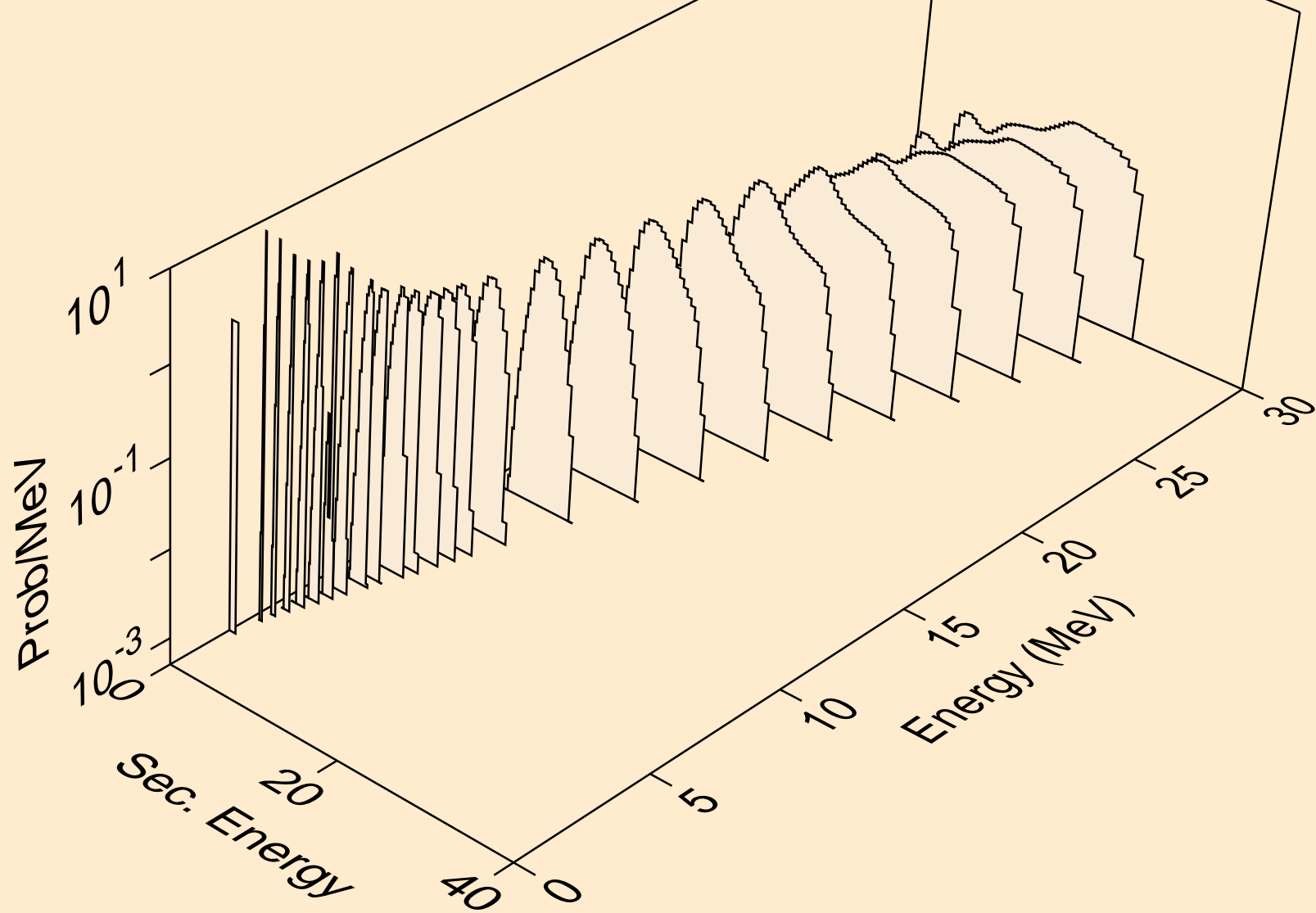
HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Particle production cross sections



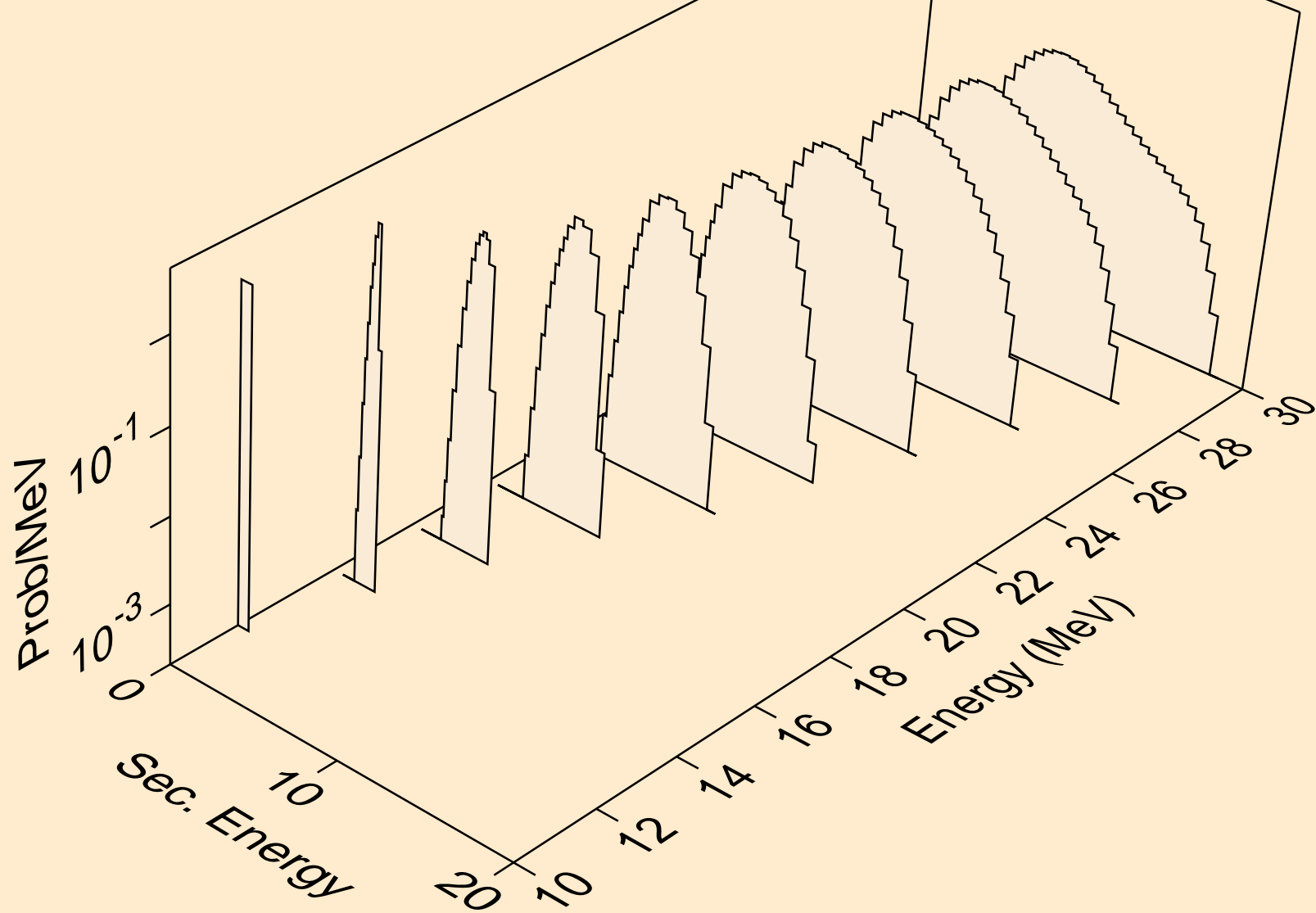
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protons from (n,x)



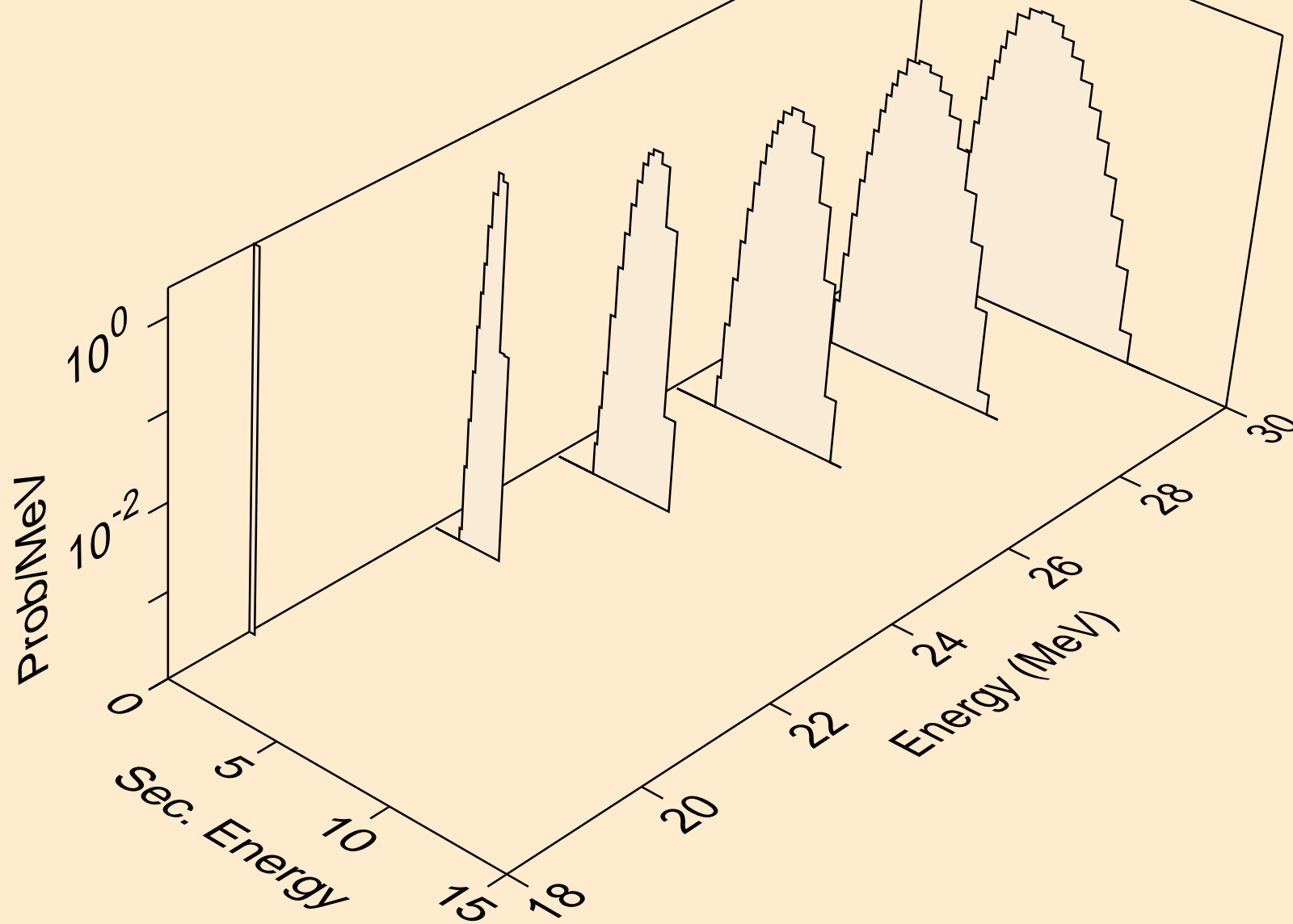
HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,n\*)p



HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,2np)

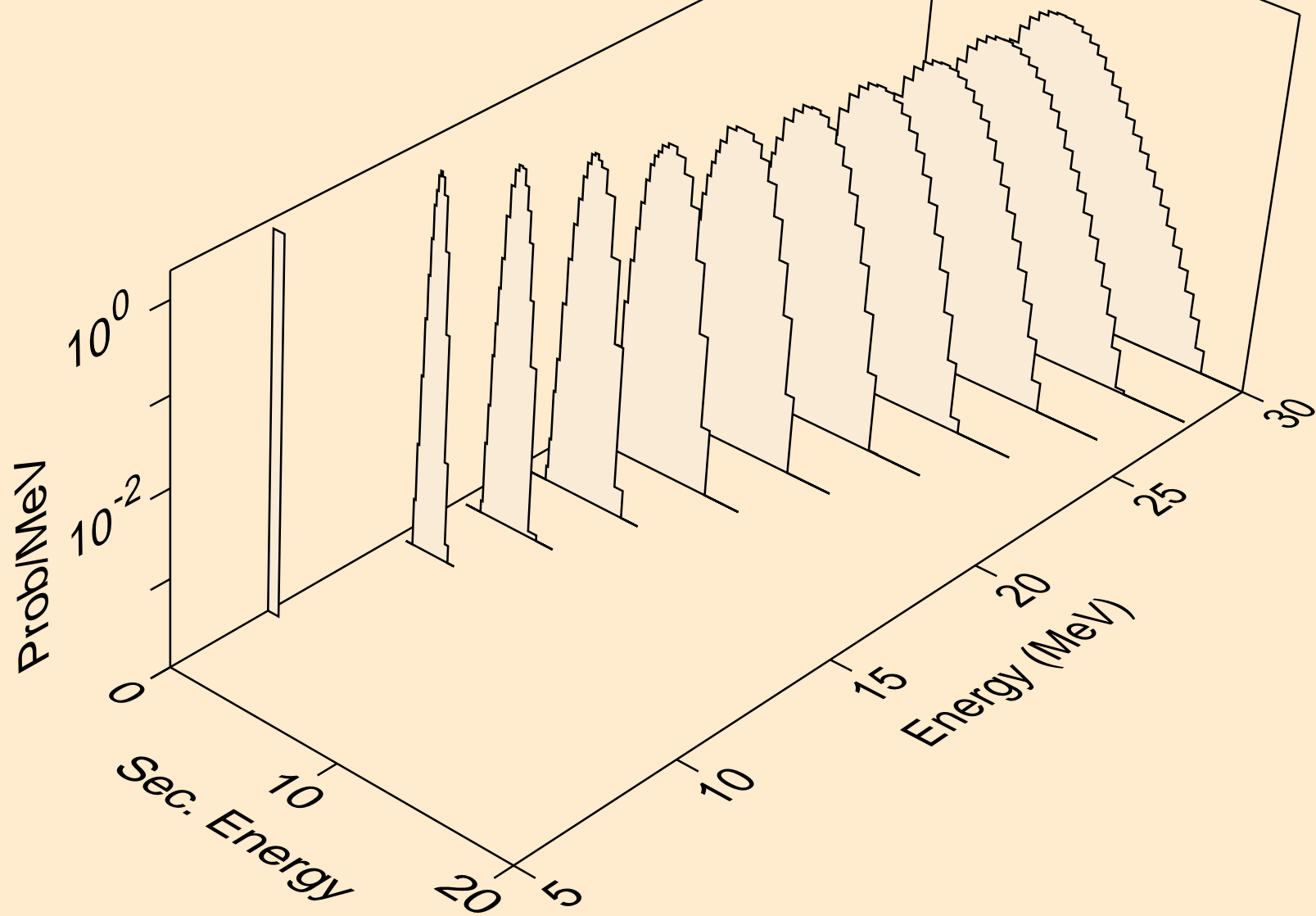


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protons from (n,3np)

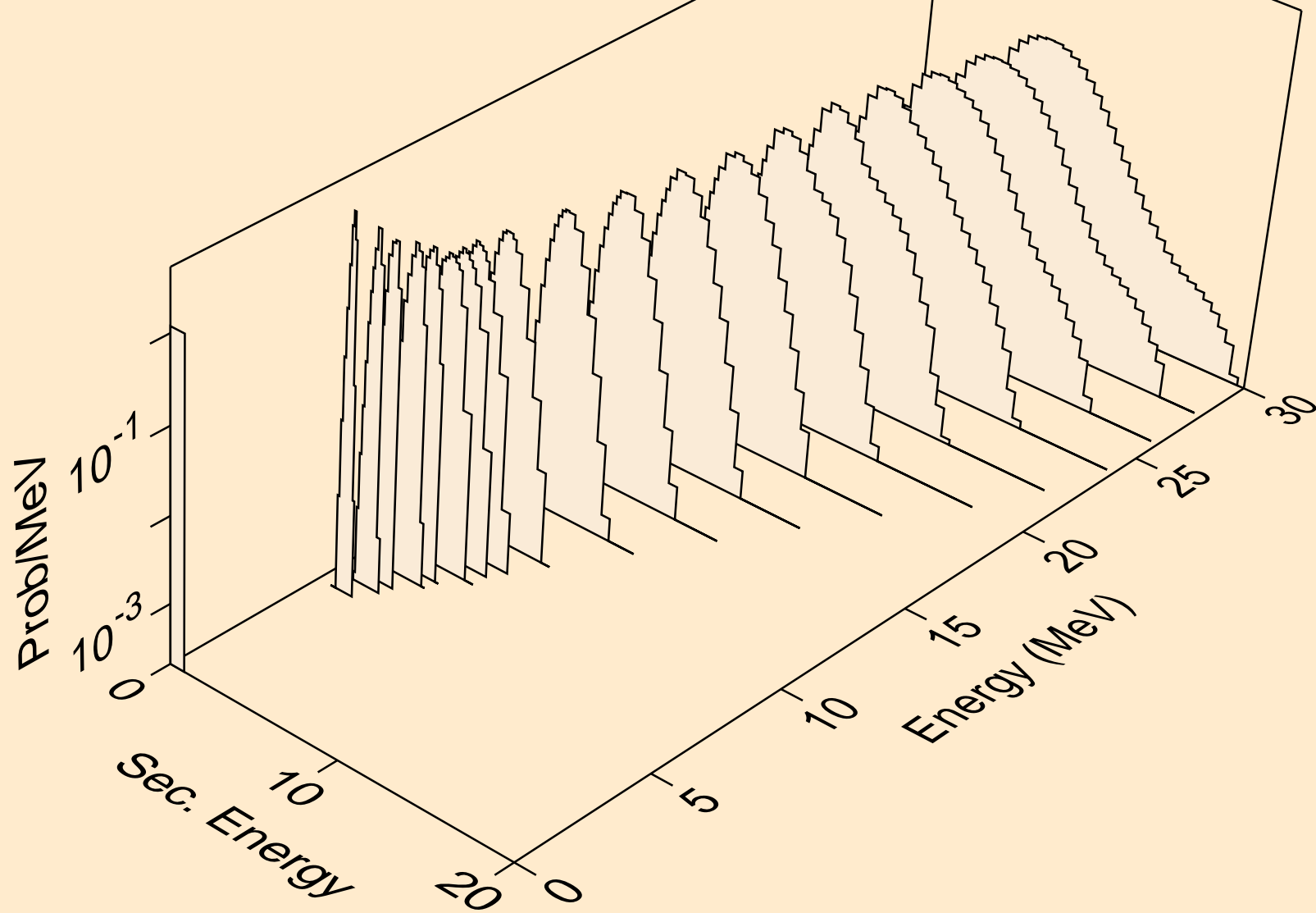




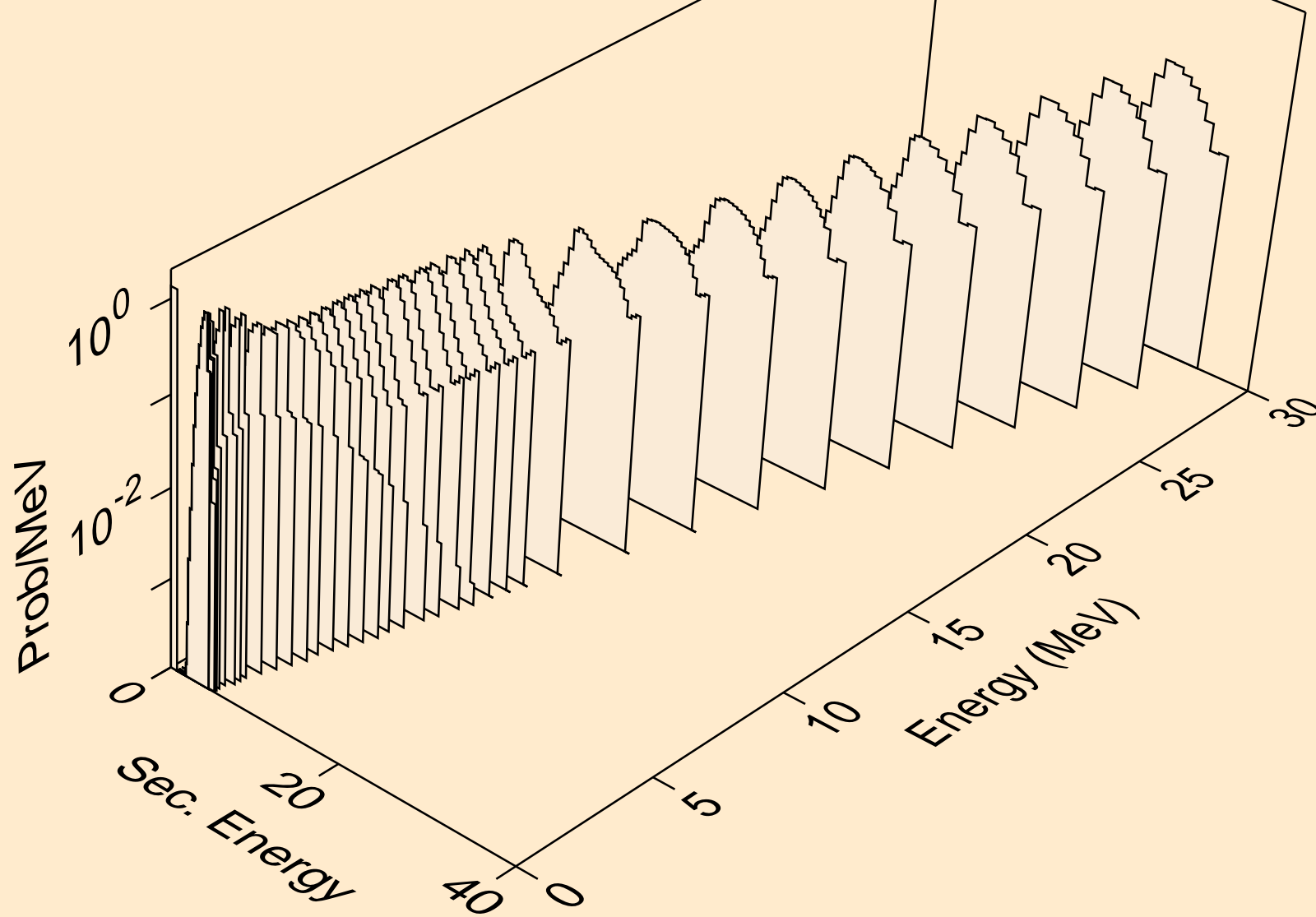
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protons from (n,2np)



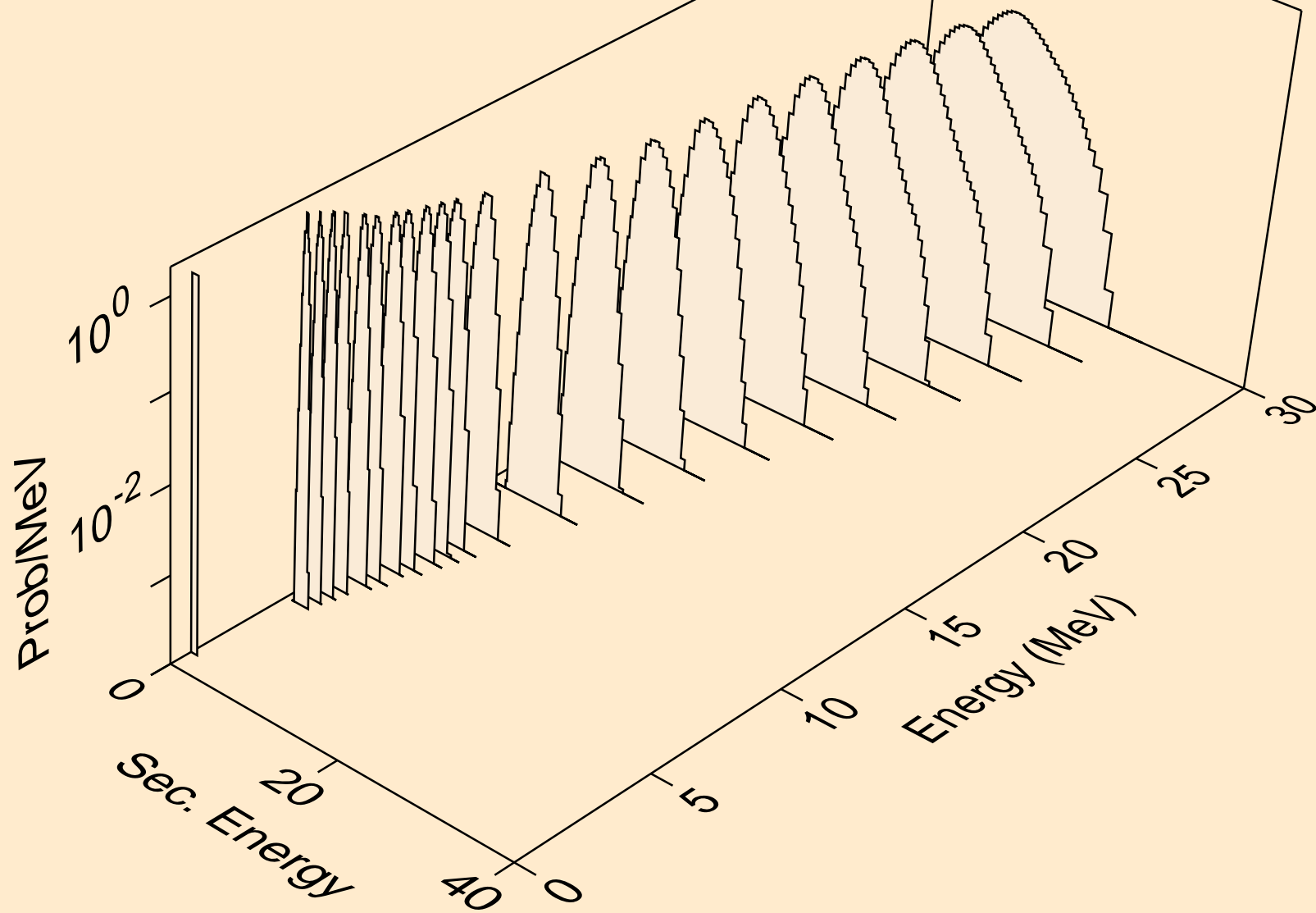
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protons from (n,npa)



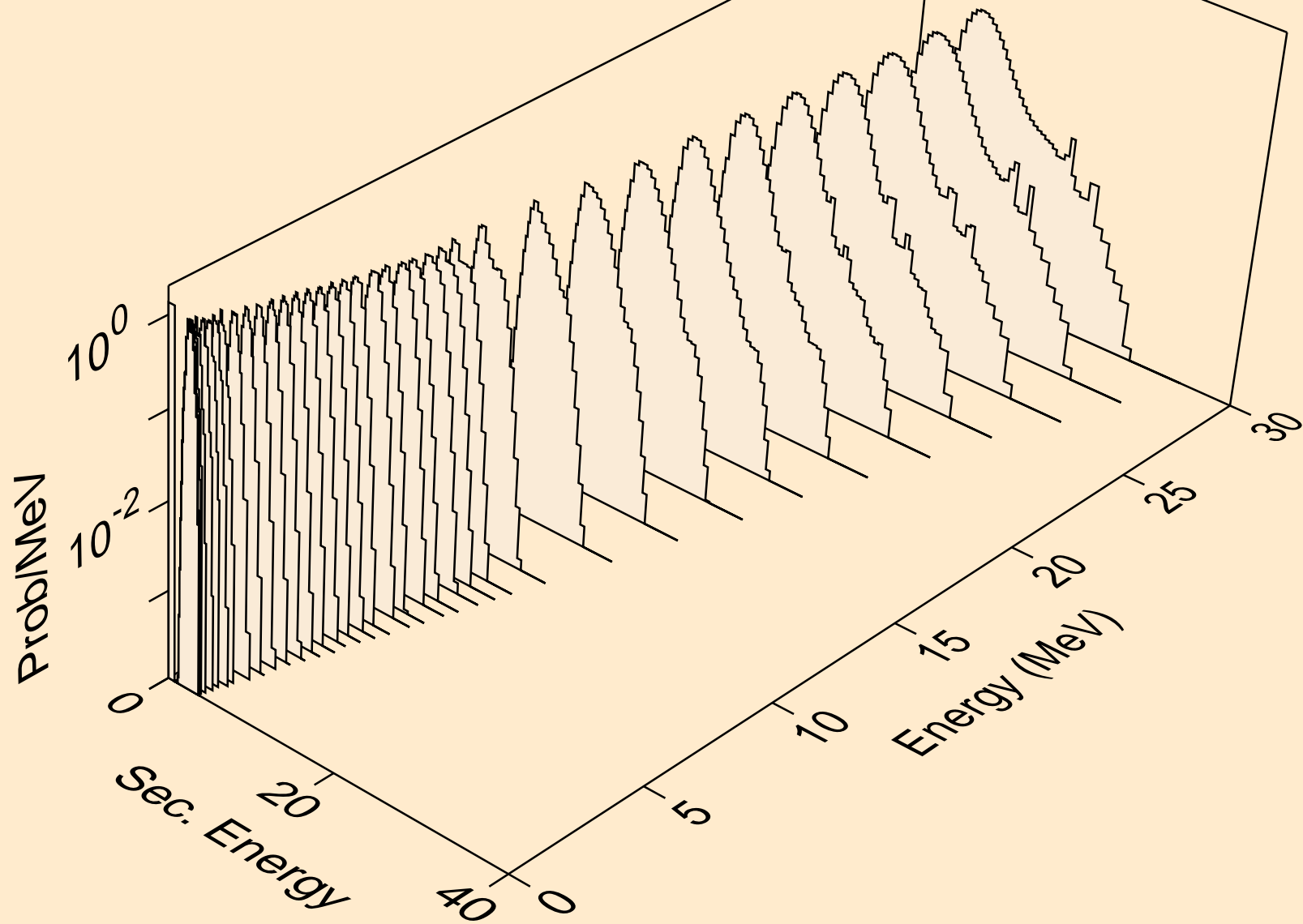
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protons from (n,p)



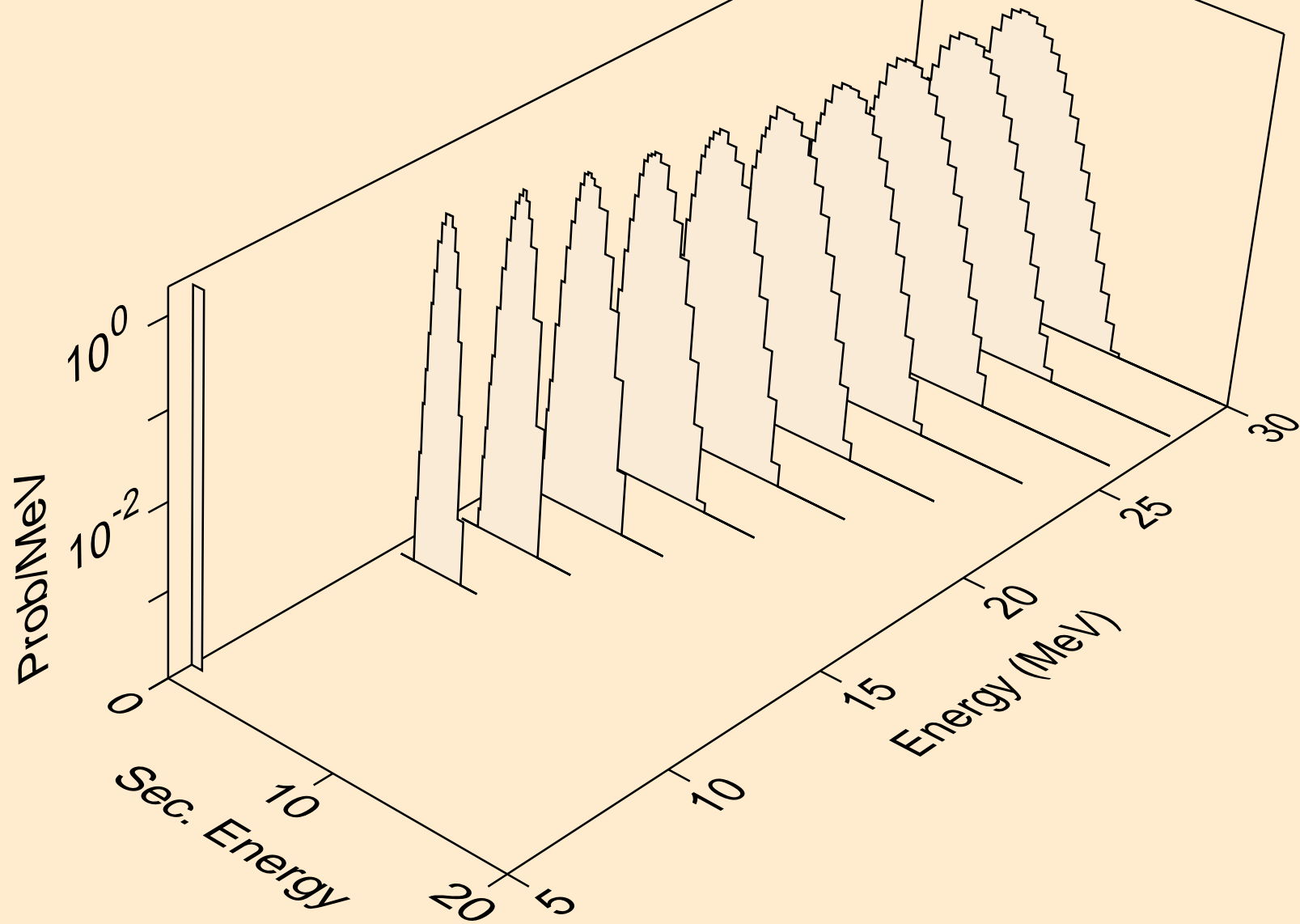
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protons from (n,2p)



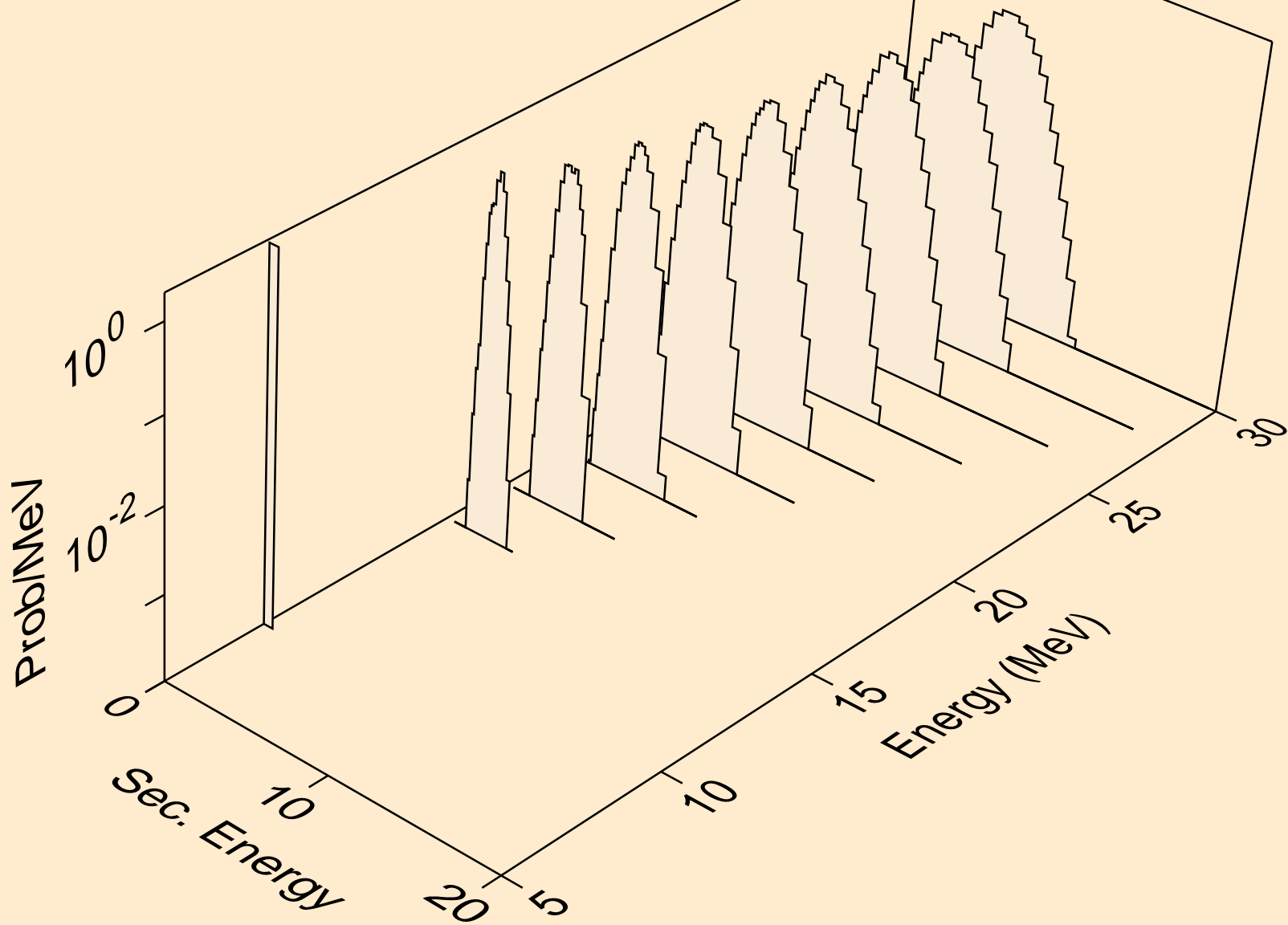
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protons from (n,p)



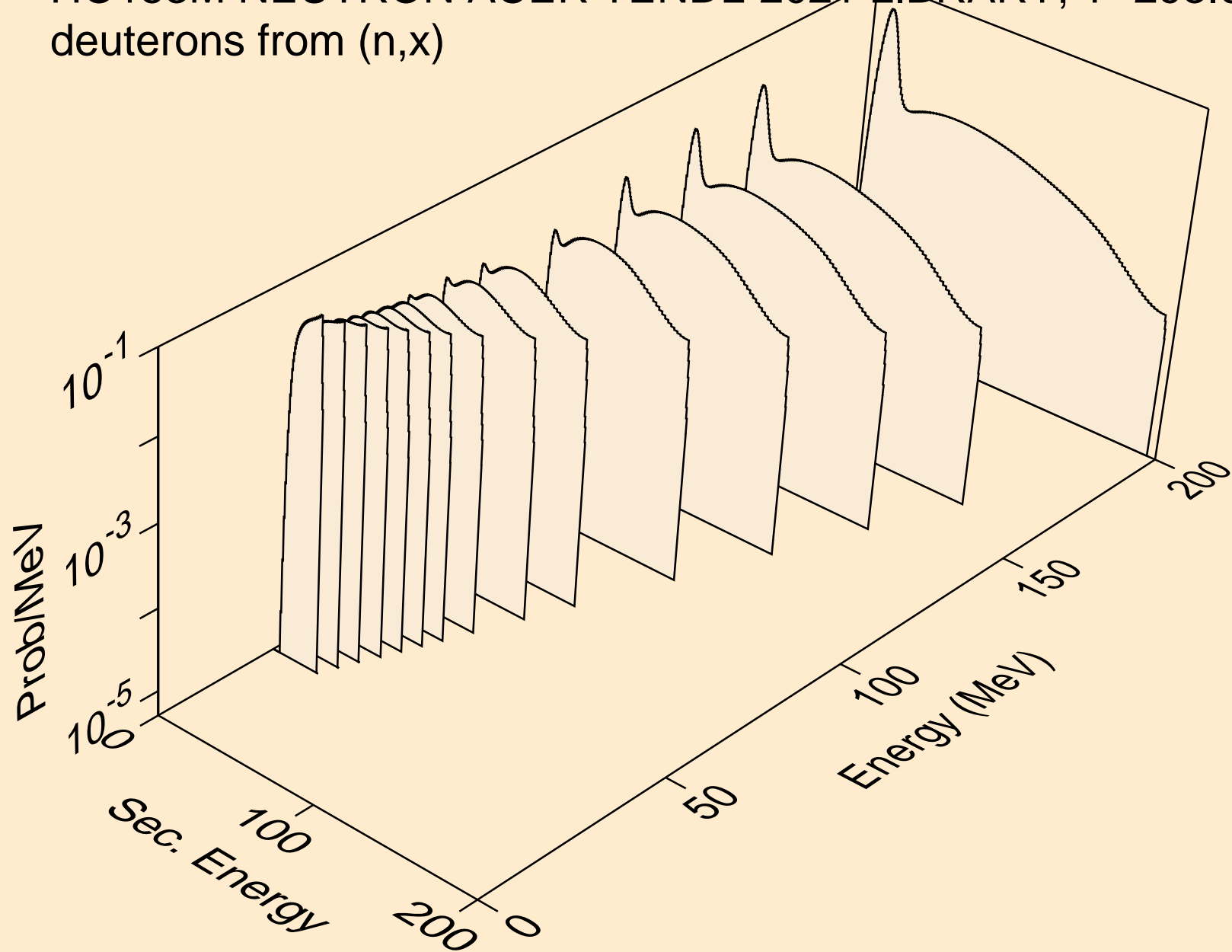
HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,pd)



HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,pt)

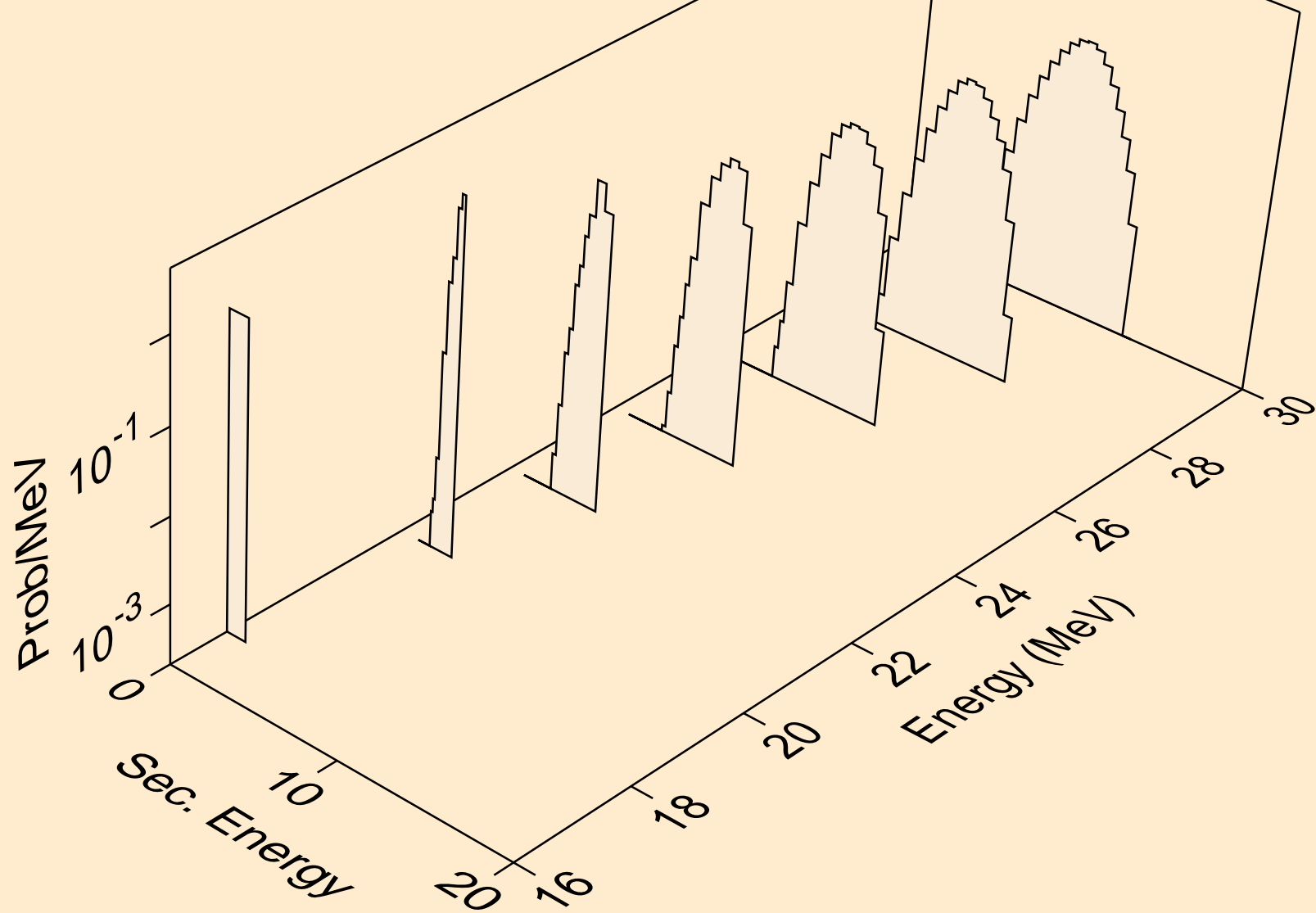


HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,x)

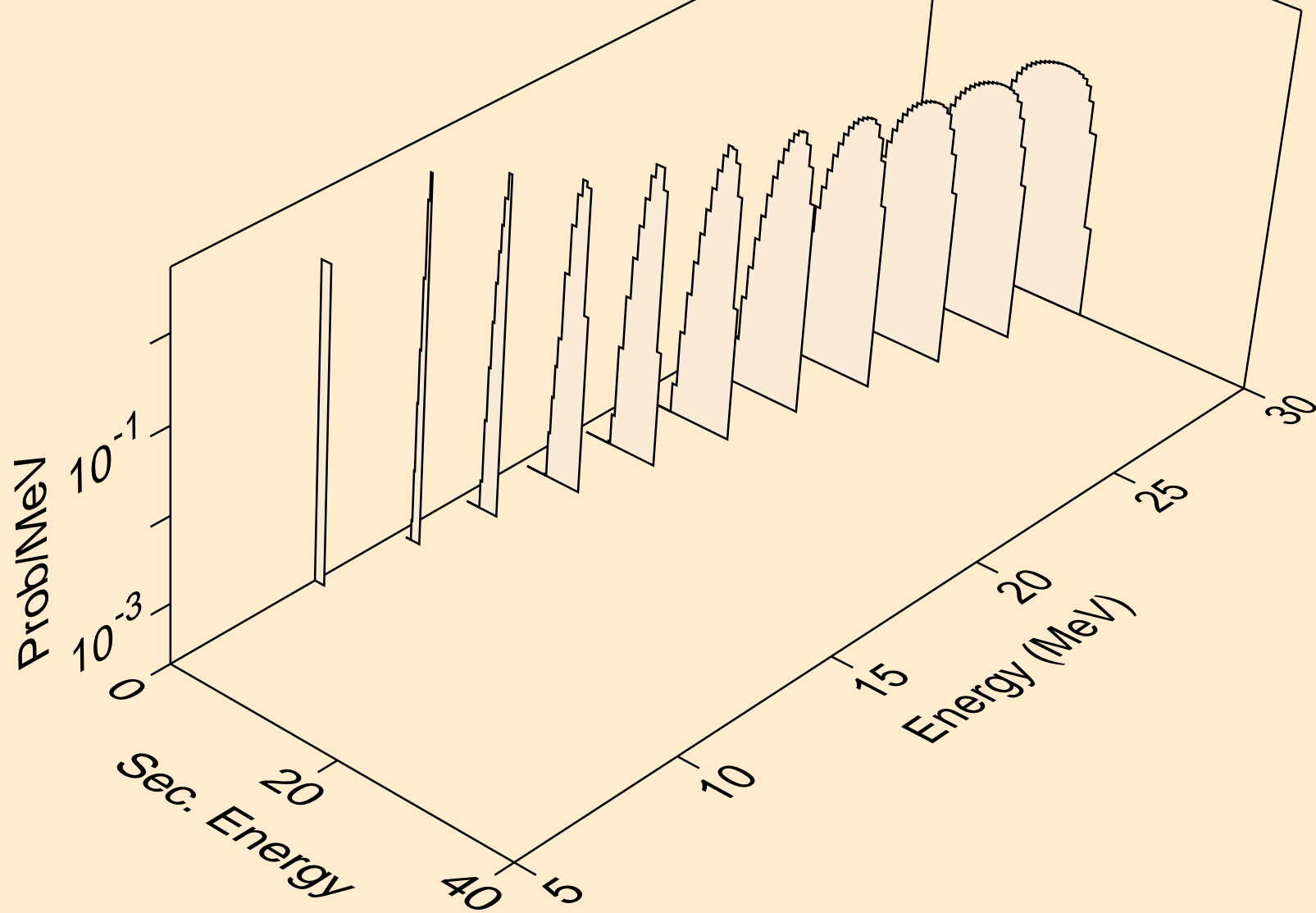




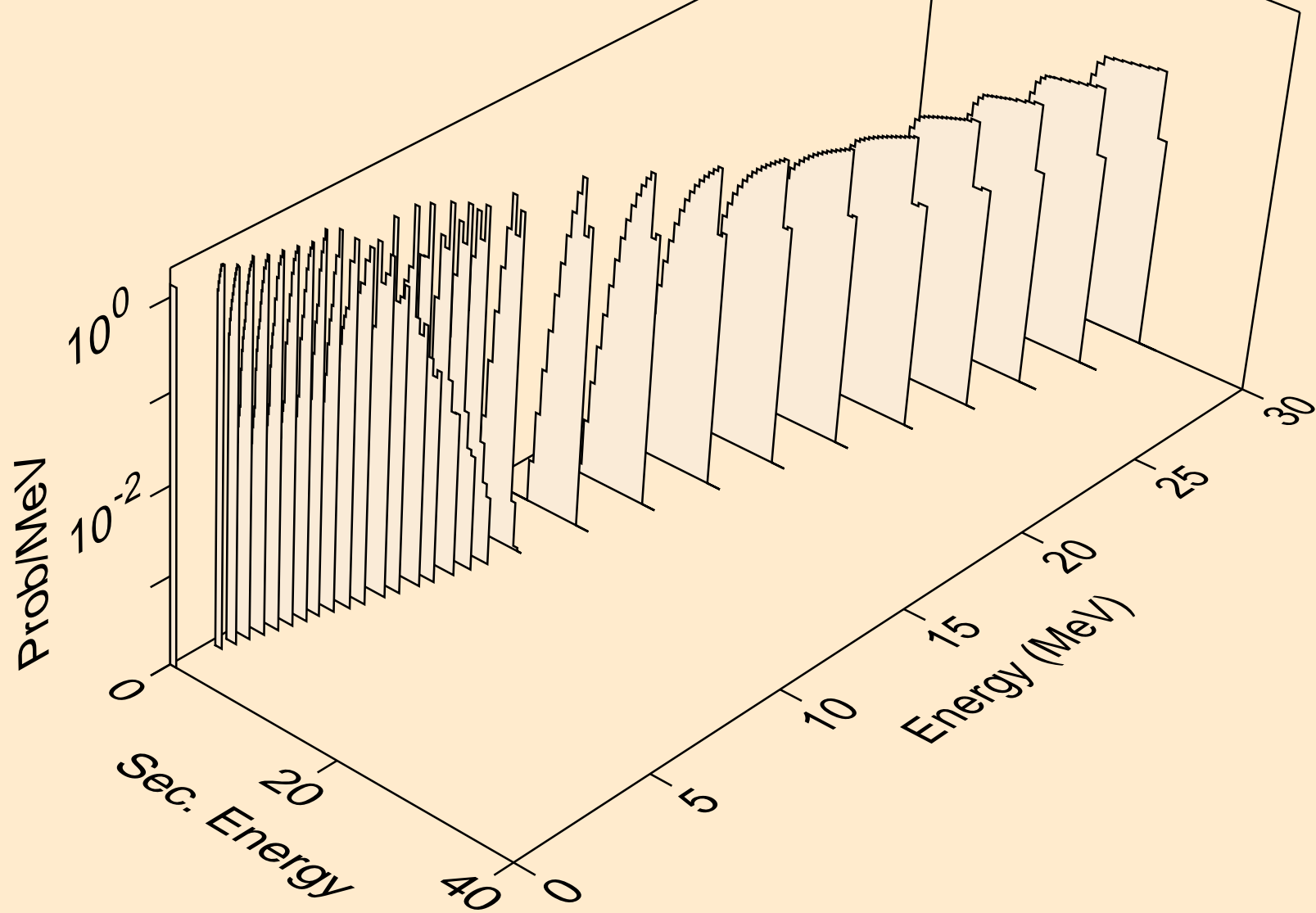
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deuterons from (n,2nd)



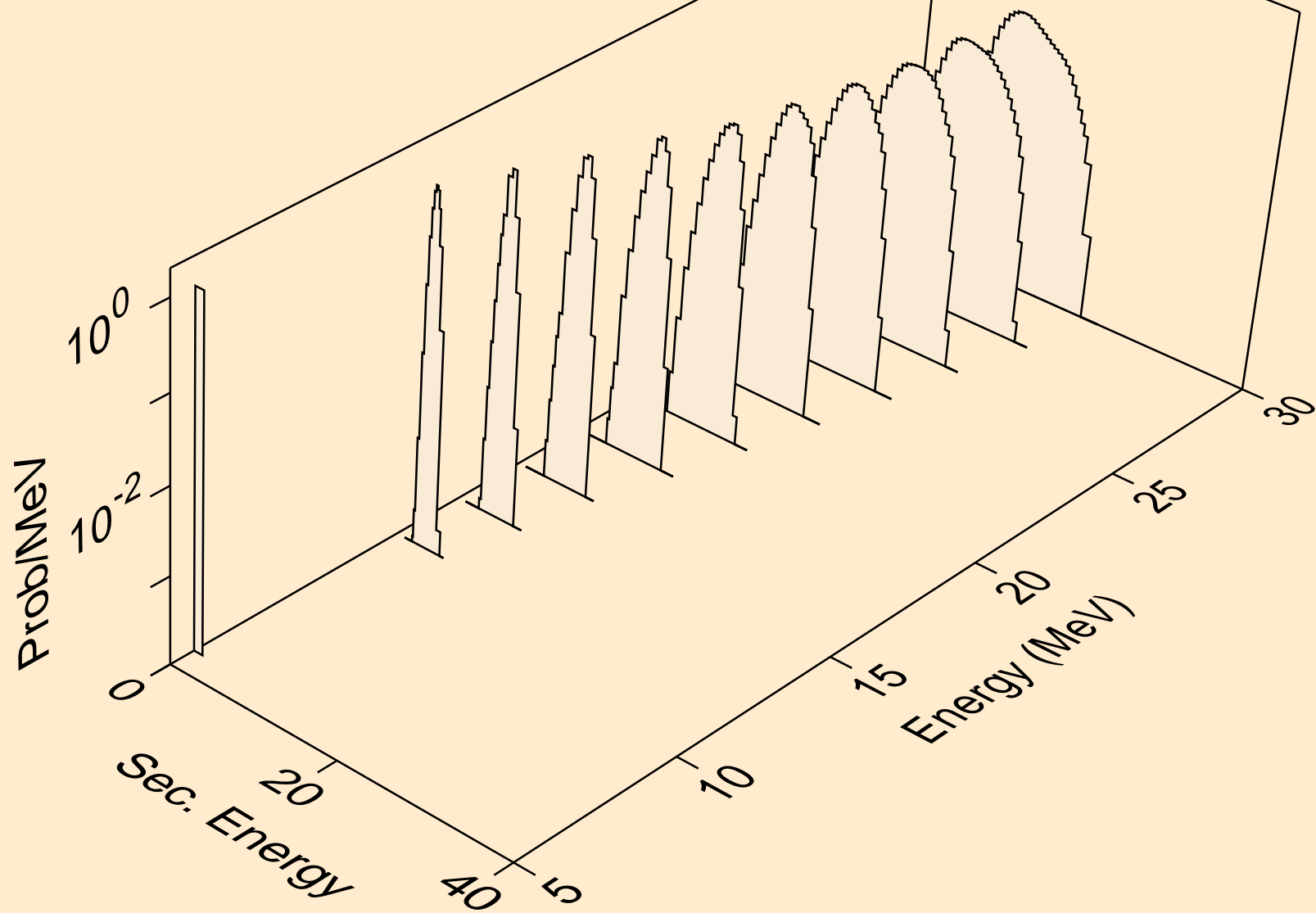
HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,n\*)d



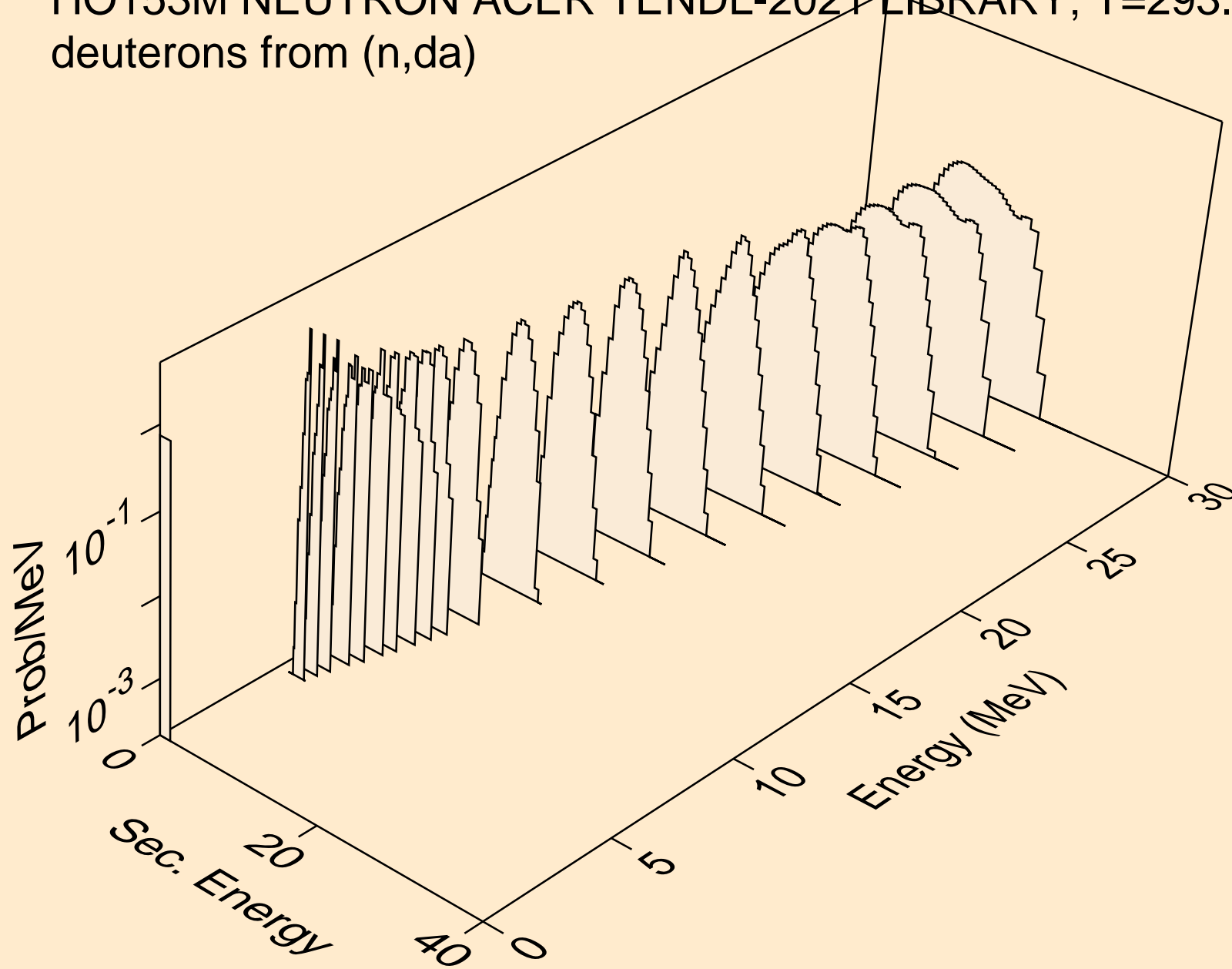
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deuterons from (n,d)



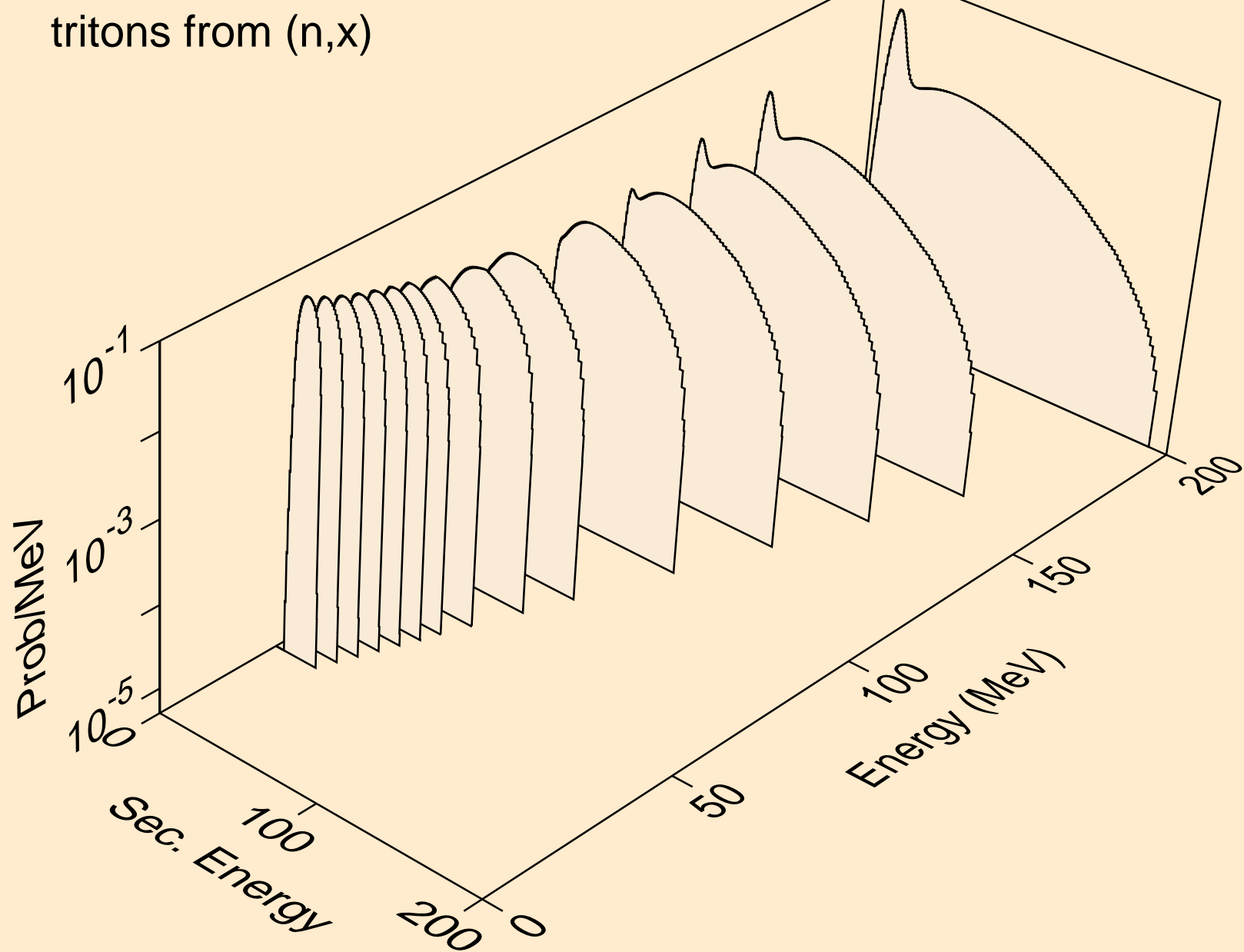
HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,pd)



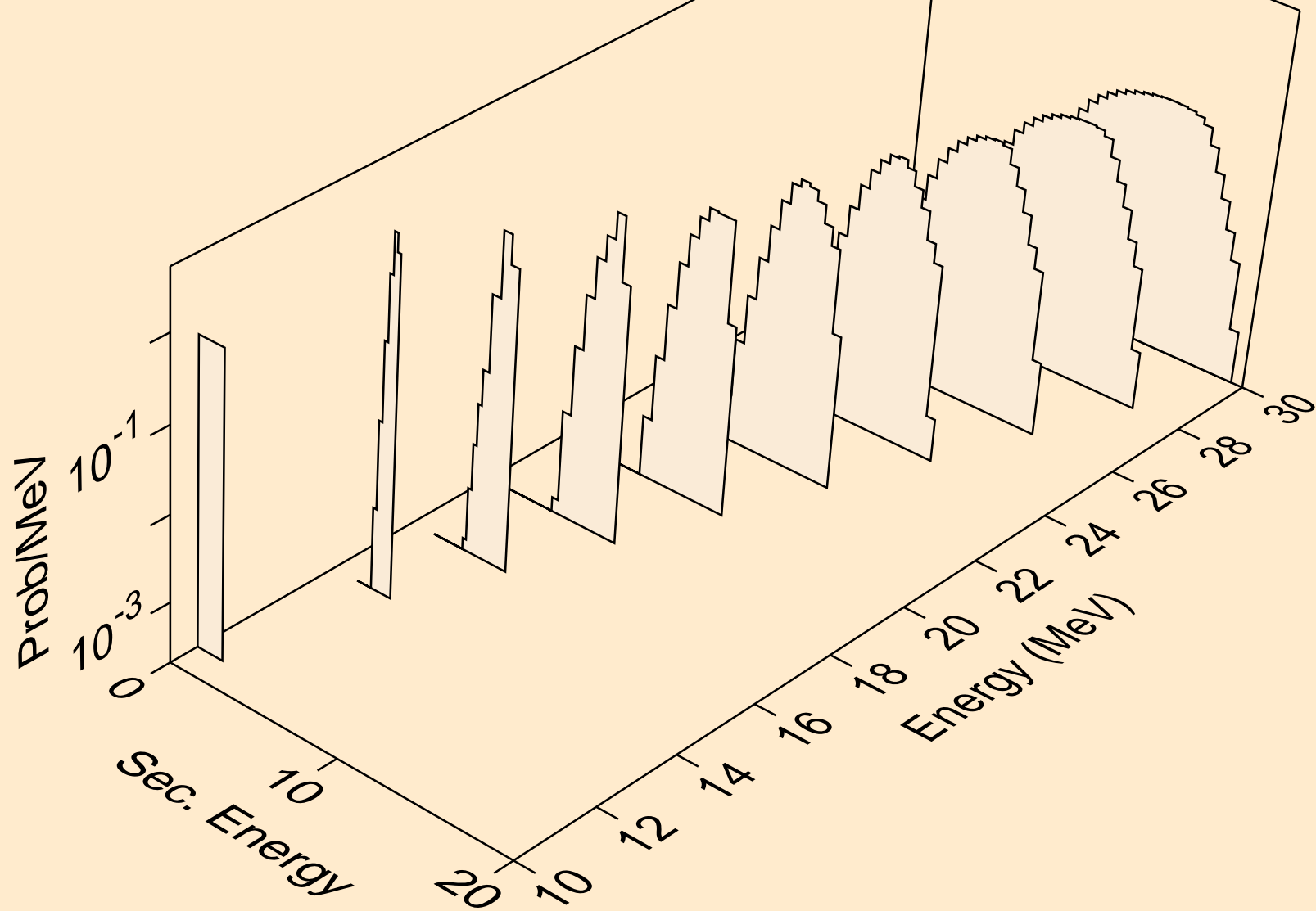
HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,da)



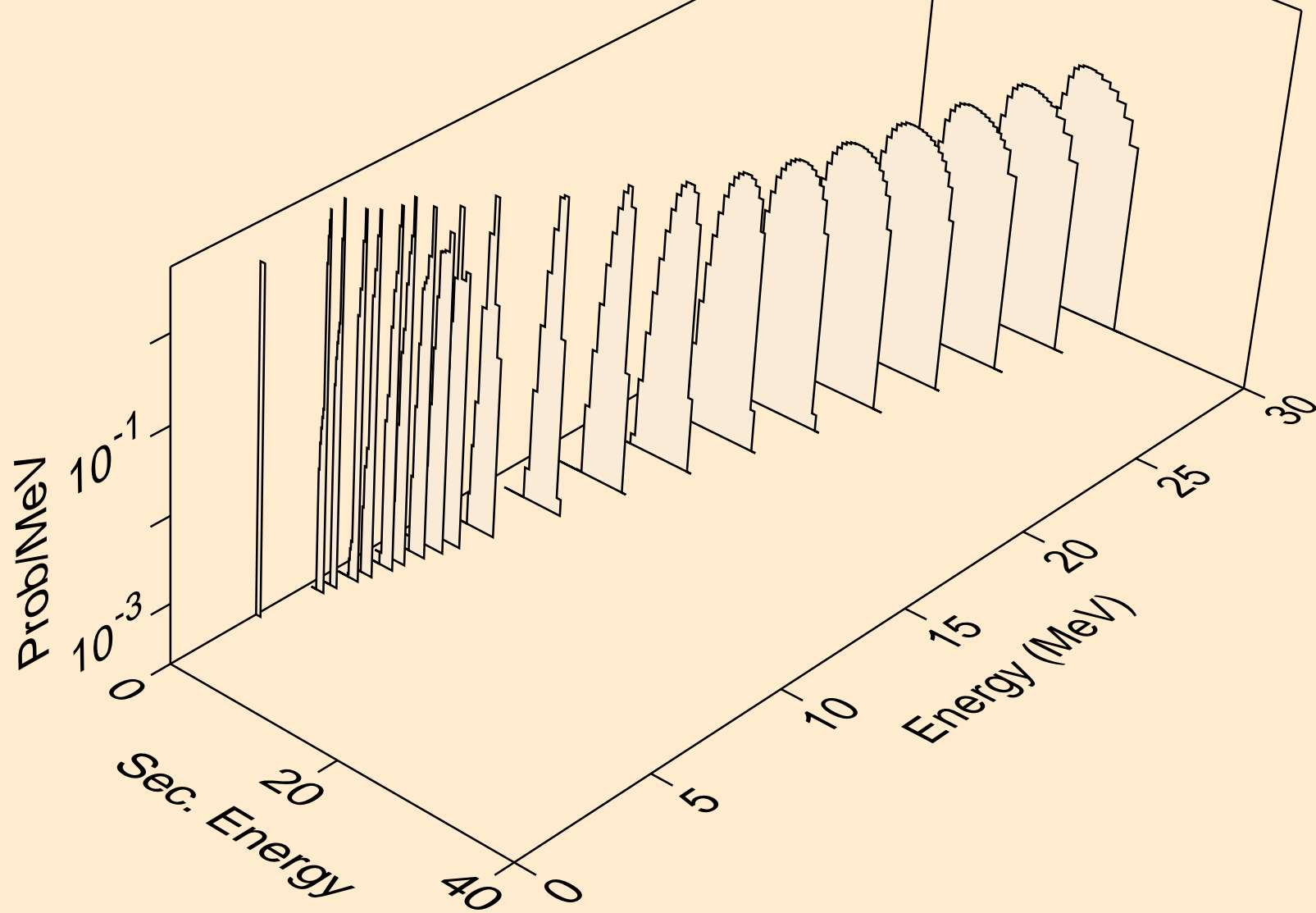
HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,x)



HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,n\*)t

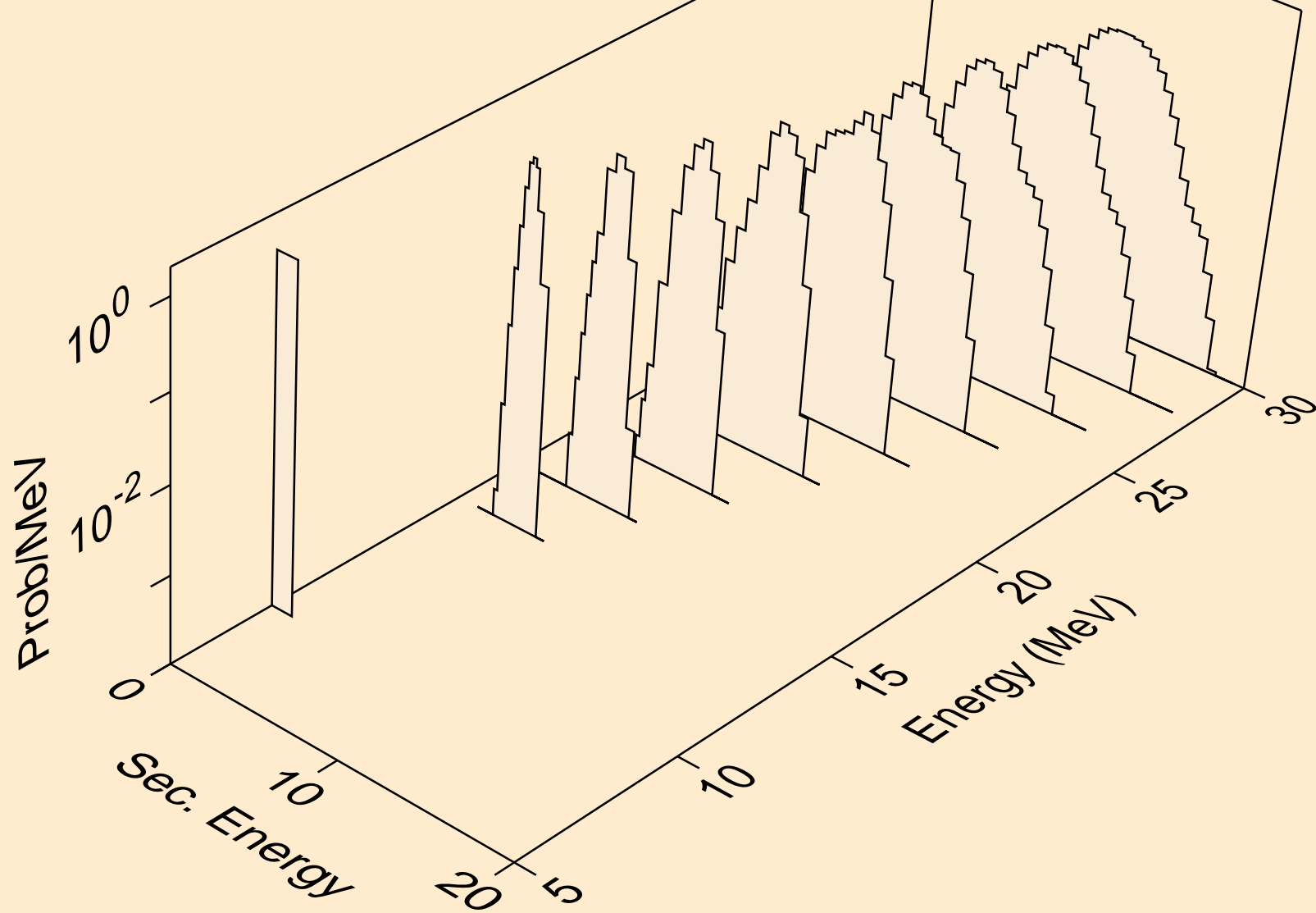


HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,t)

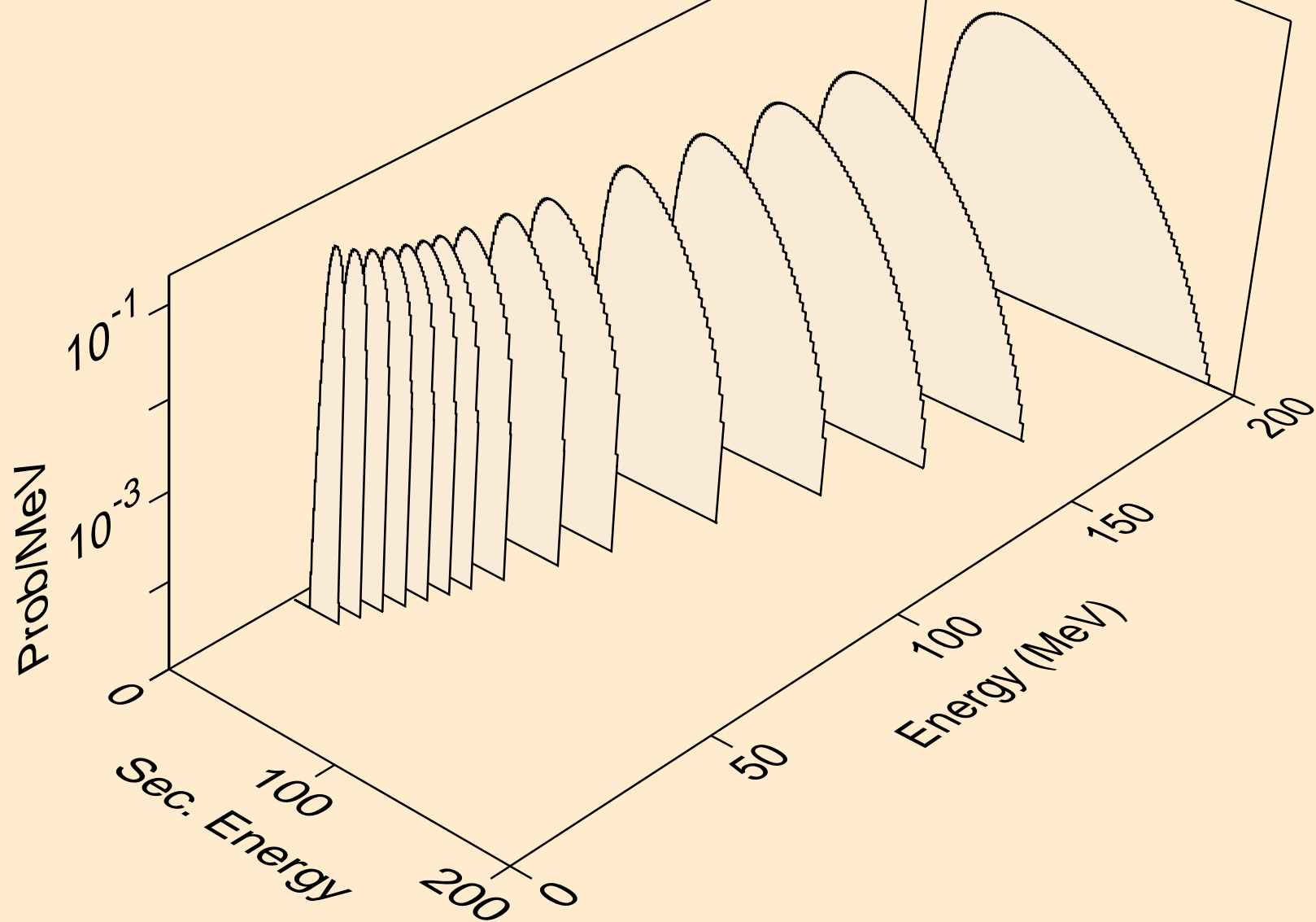




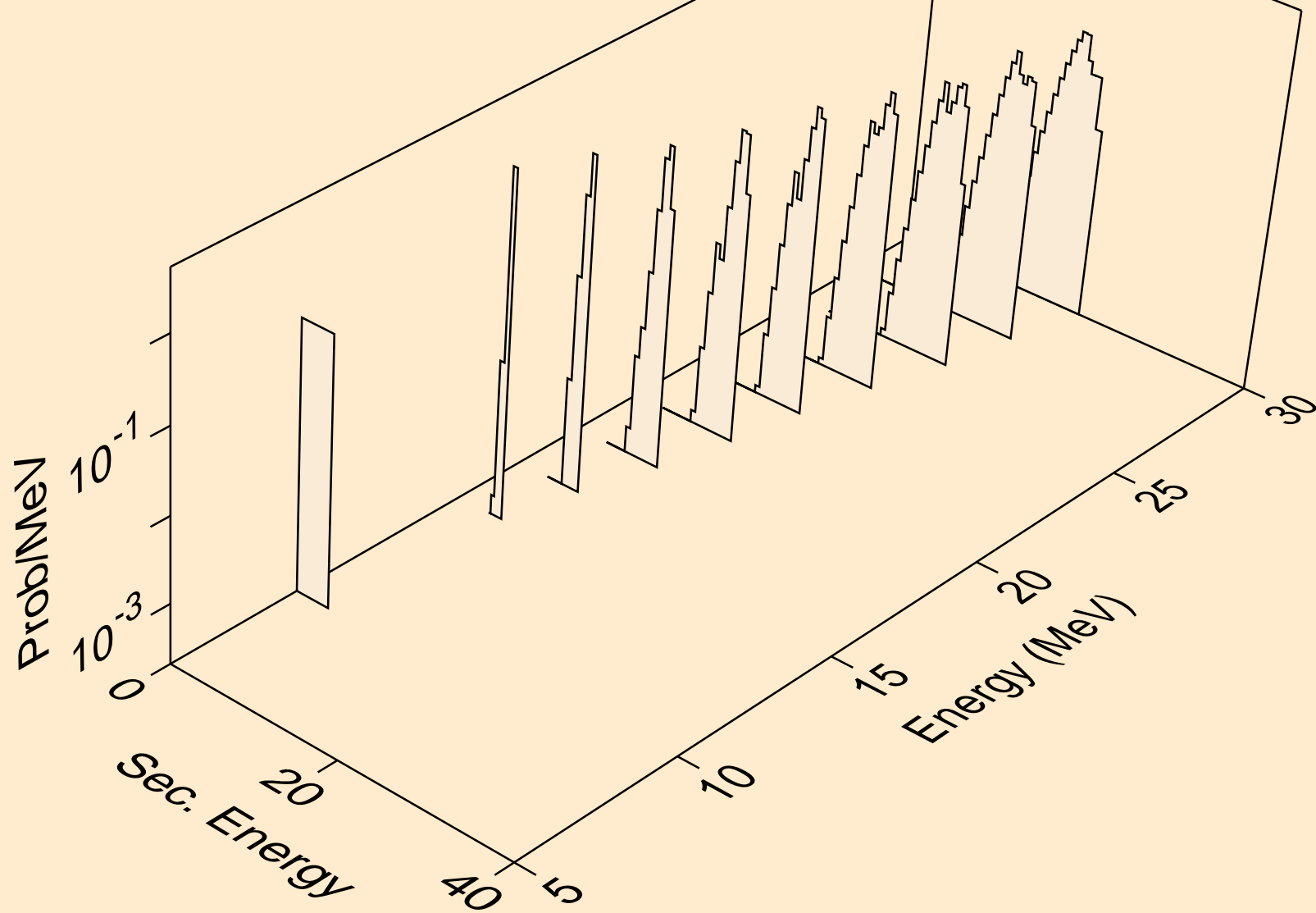
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tritons from (n,pt)



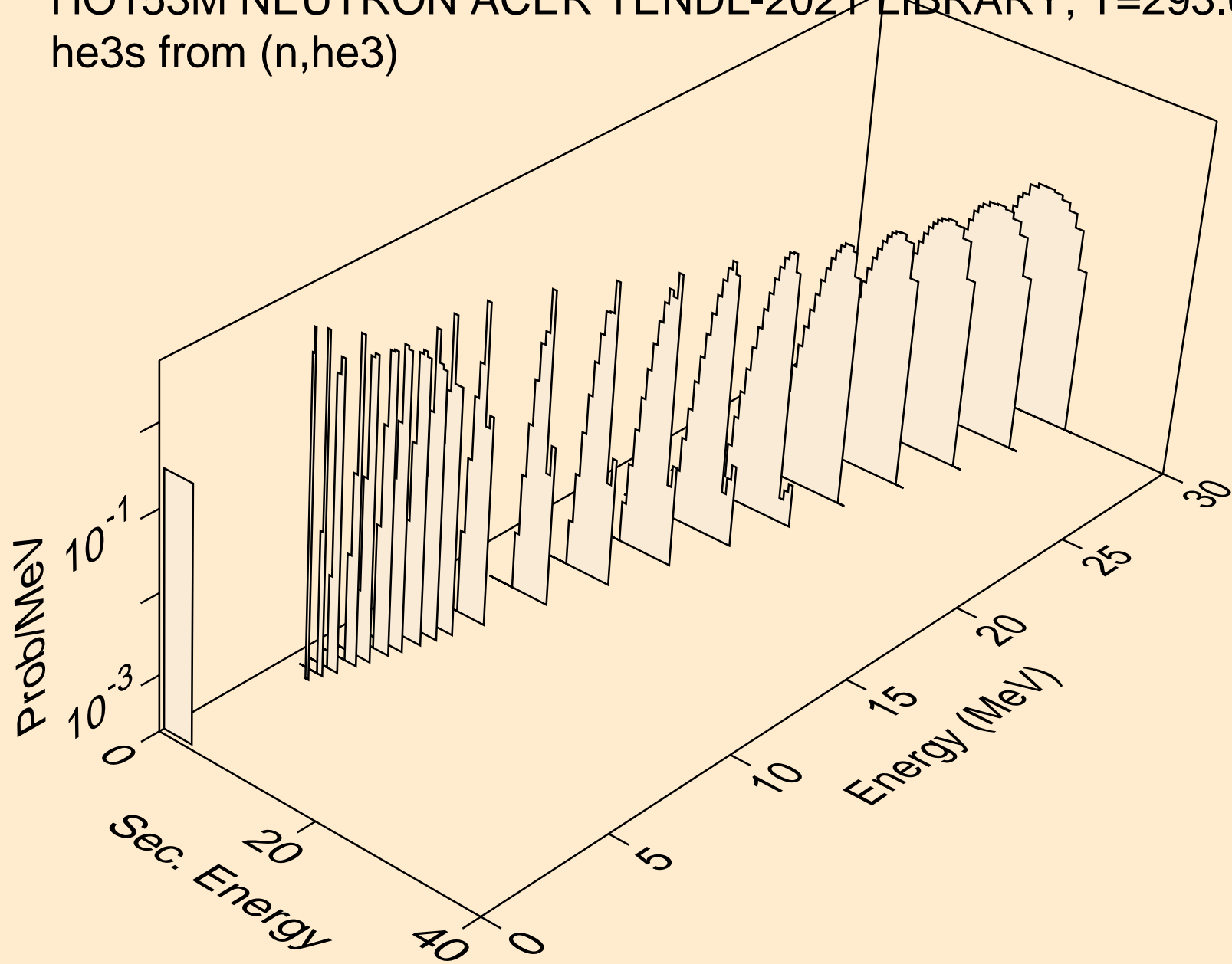
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he3s from (n,x)



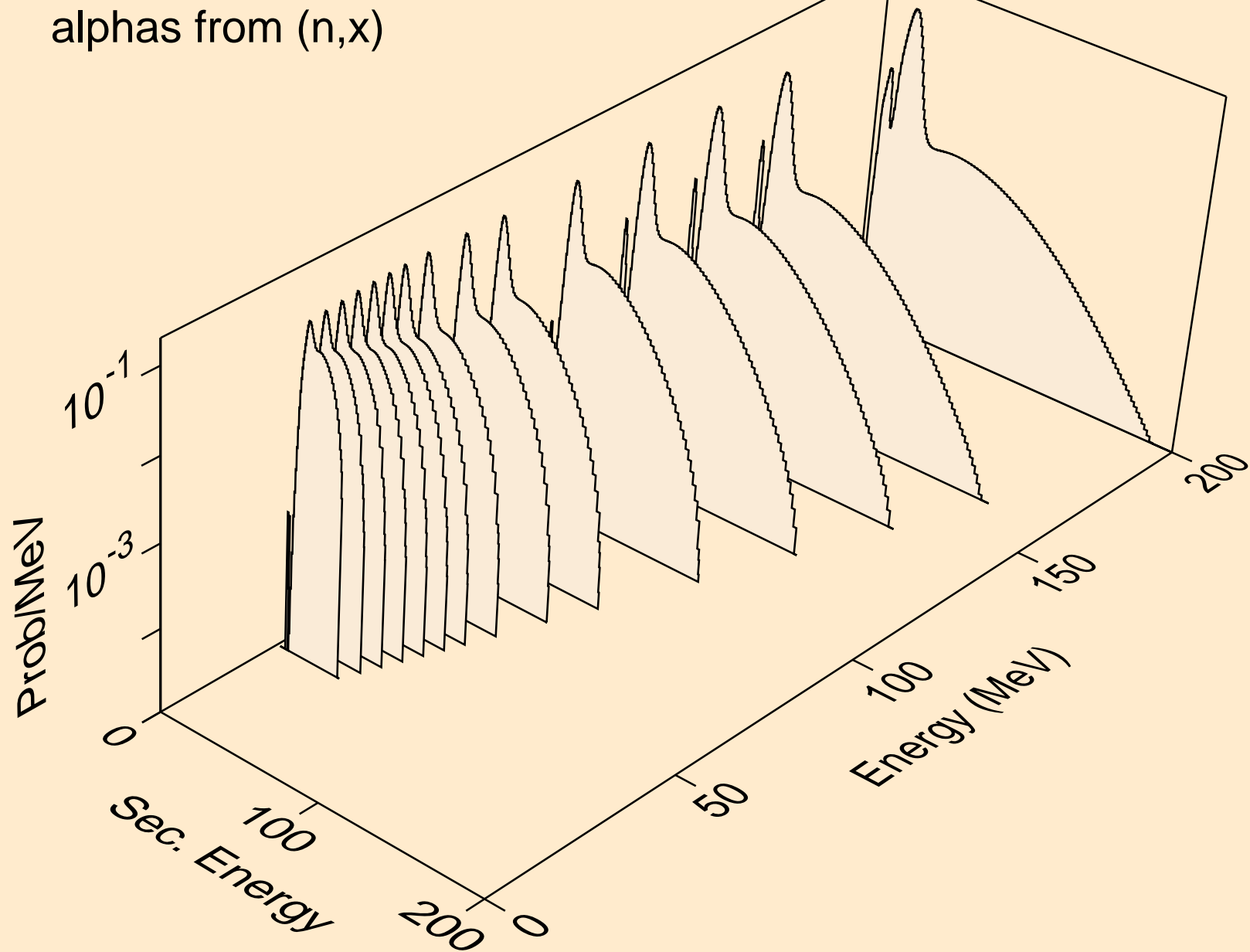
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he3s from (n,n\*)he3



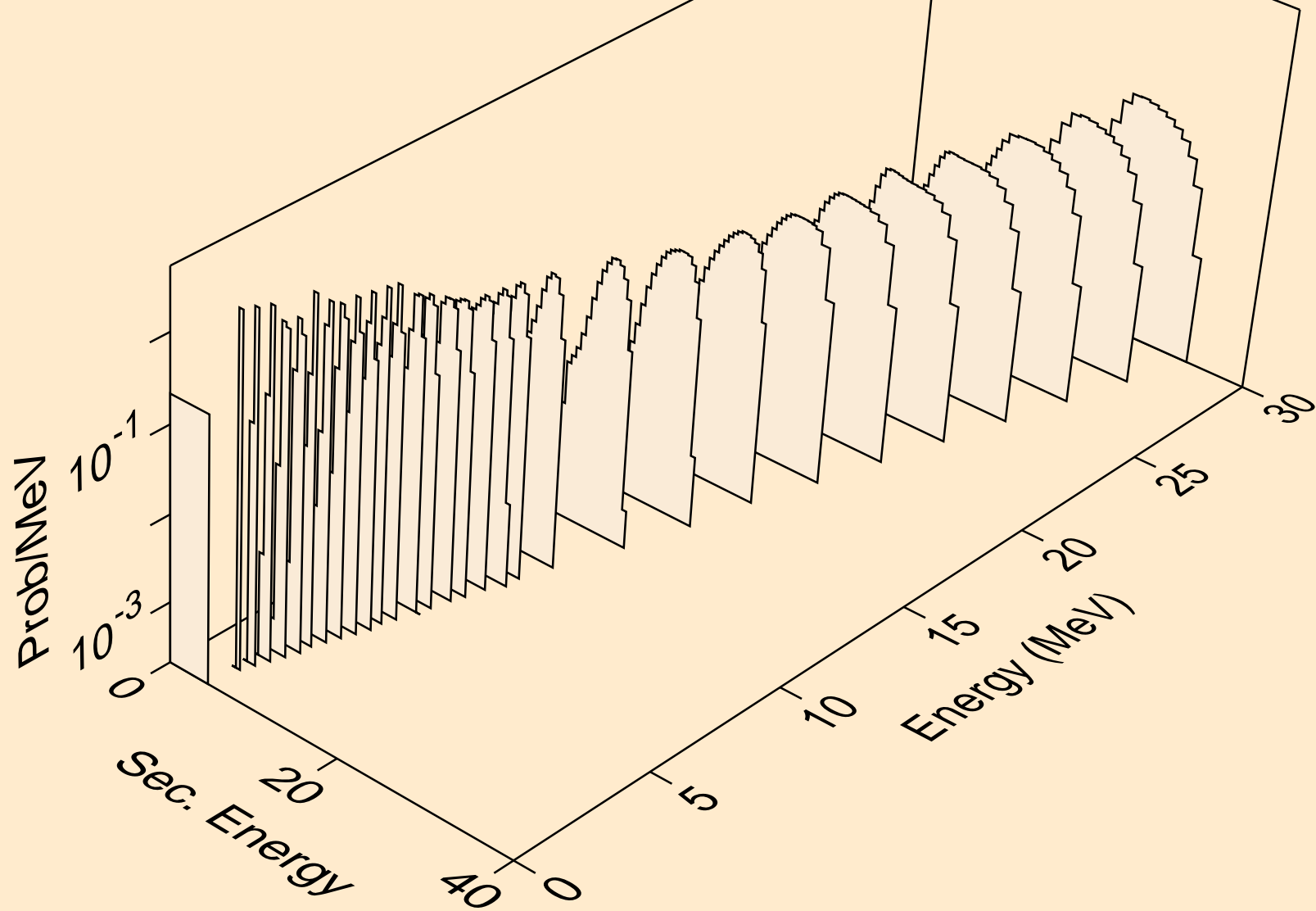
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he3s from (n,he3)



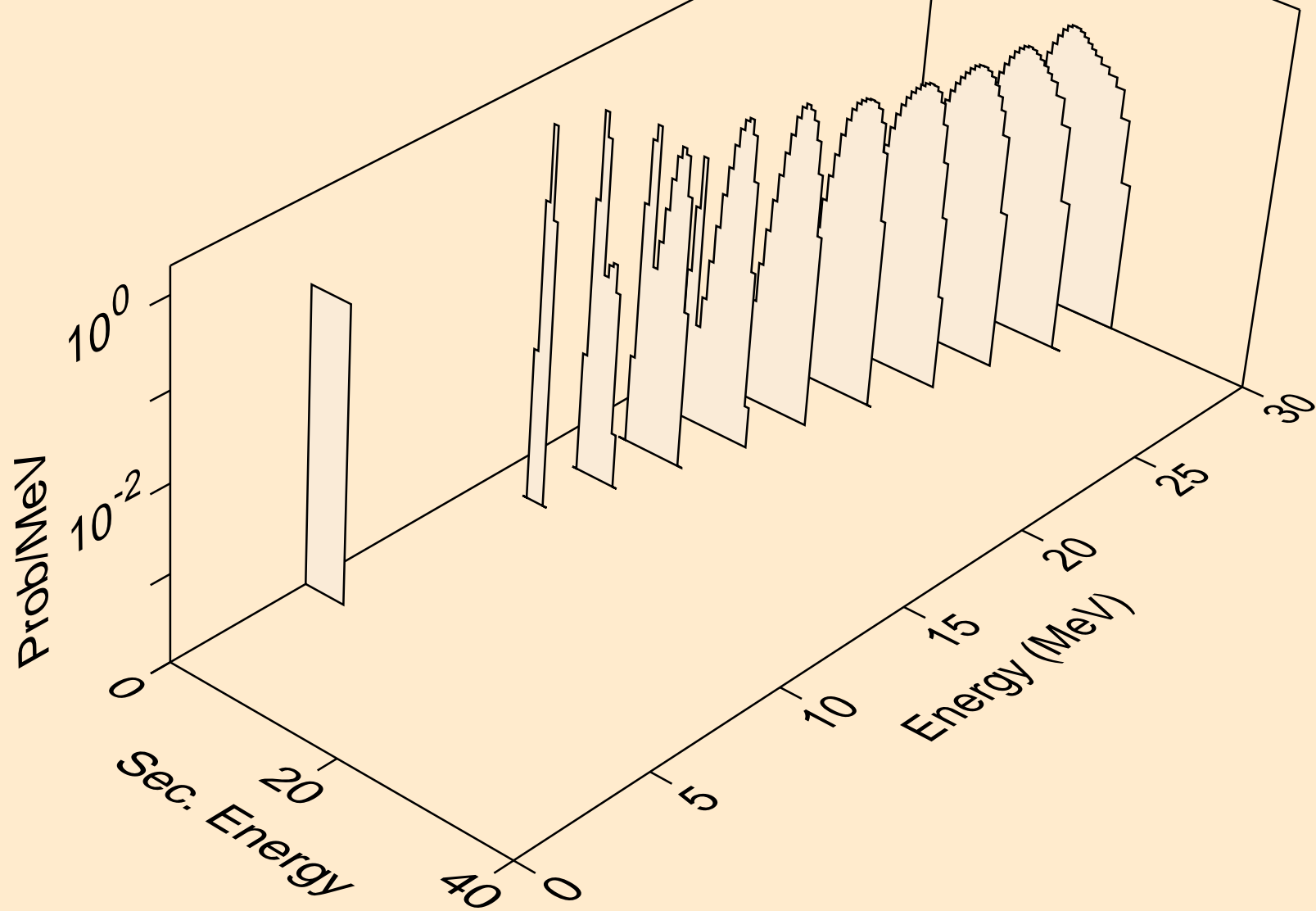
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alphas from (n,x)



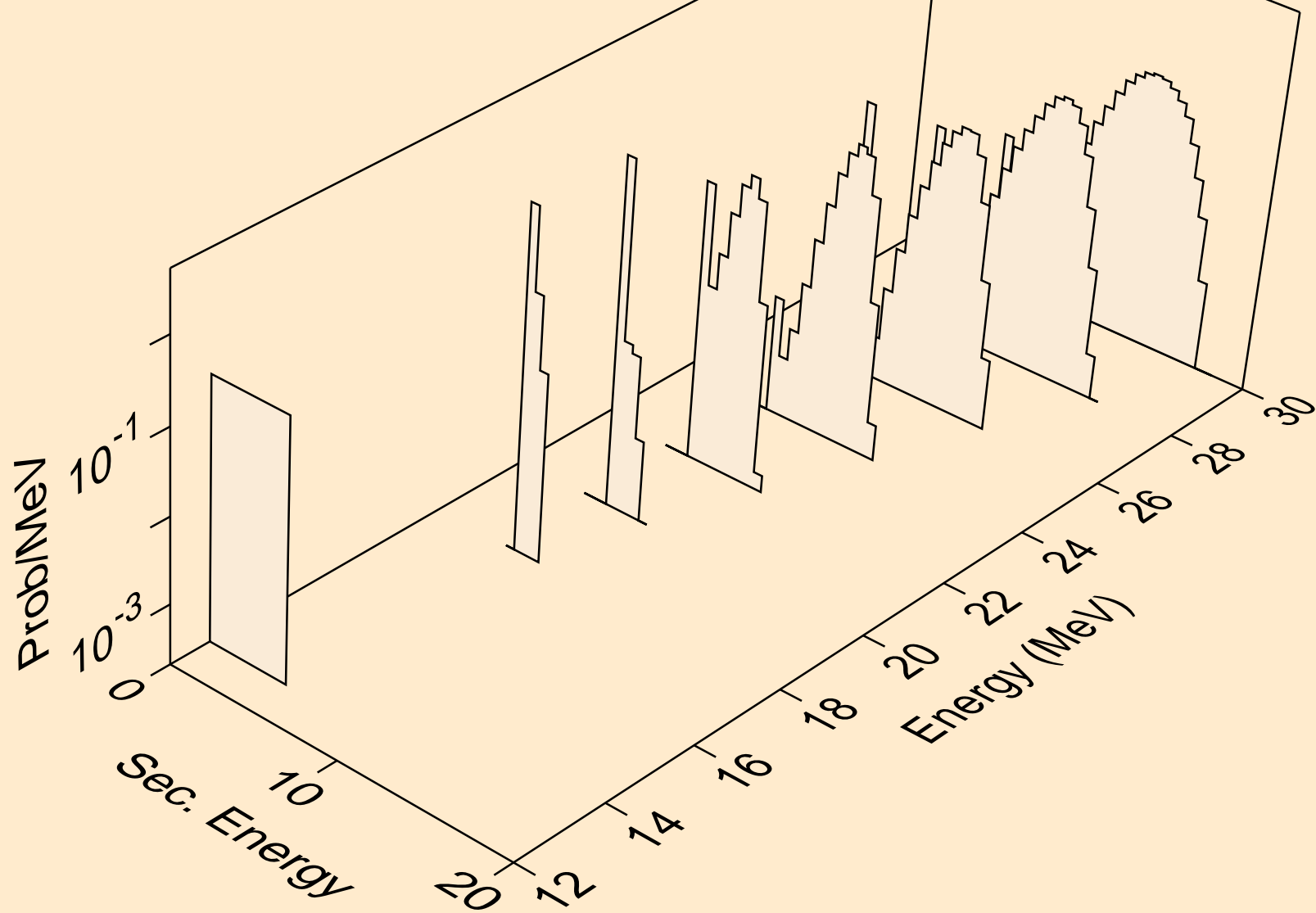
HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,n\*)a



HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2n)a

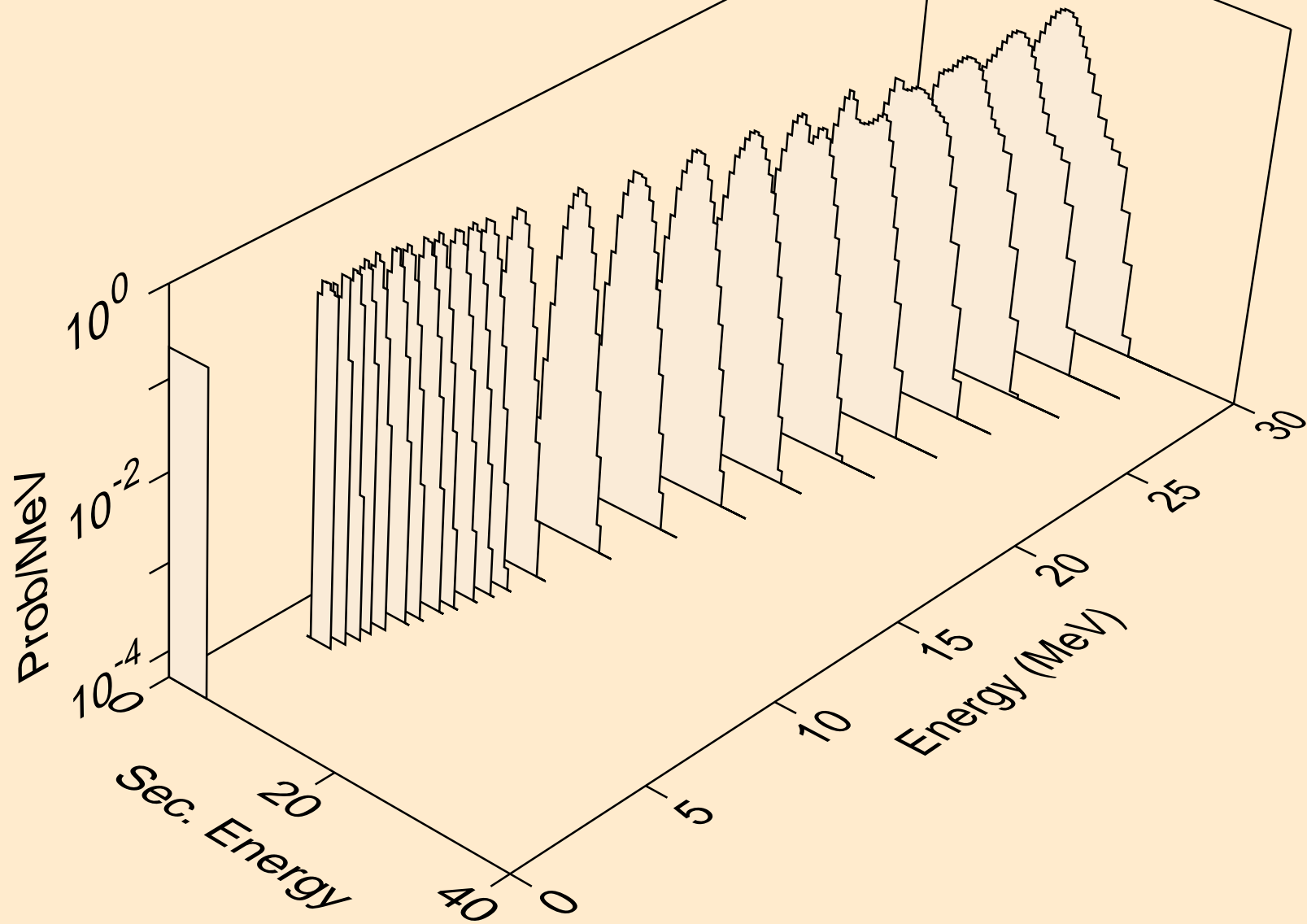


HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,3n)a

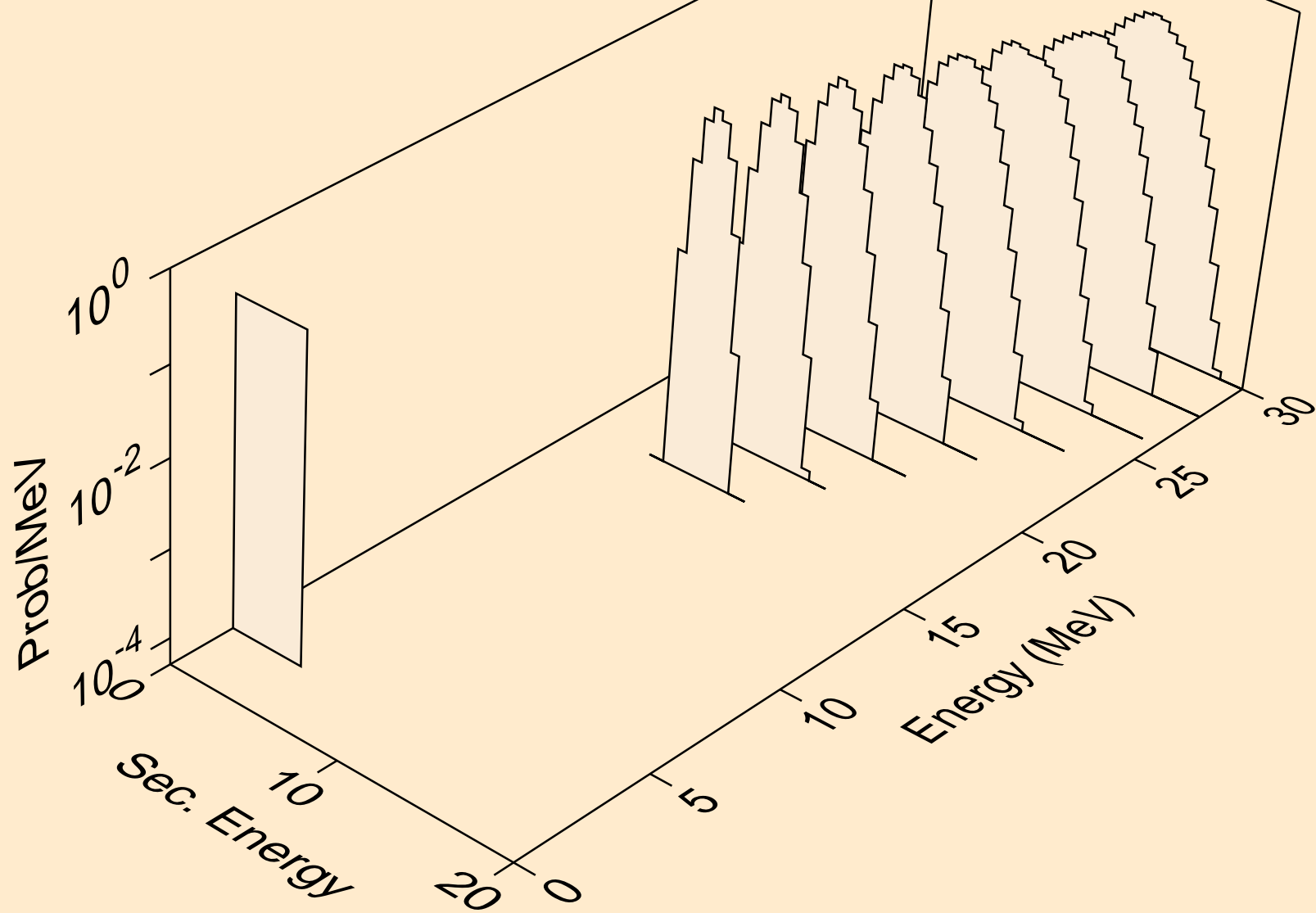




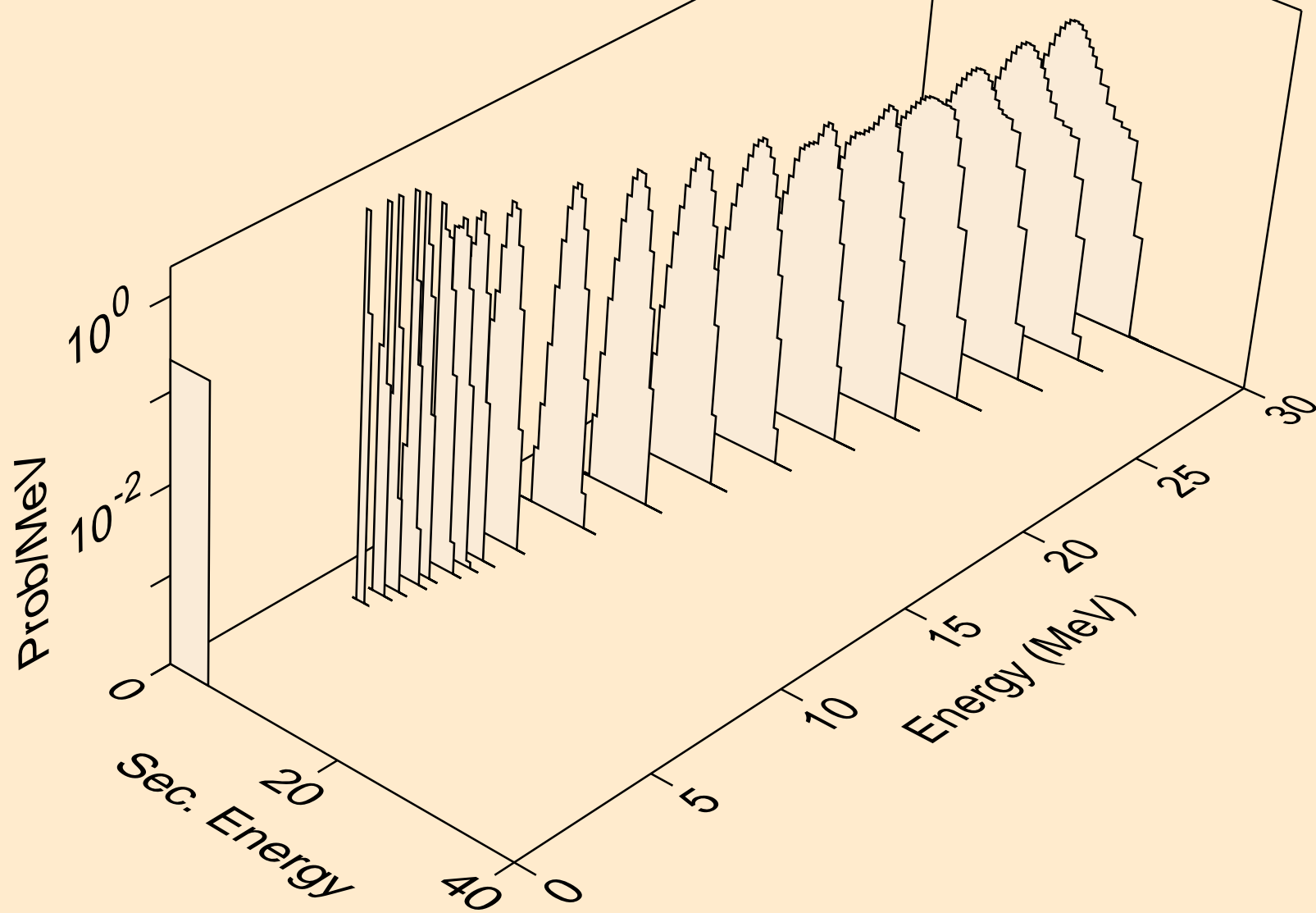
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alphas from (n,n\*)2a



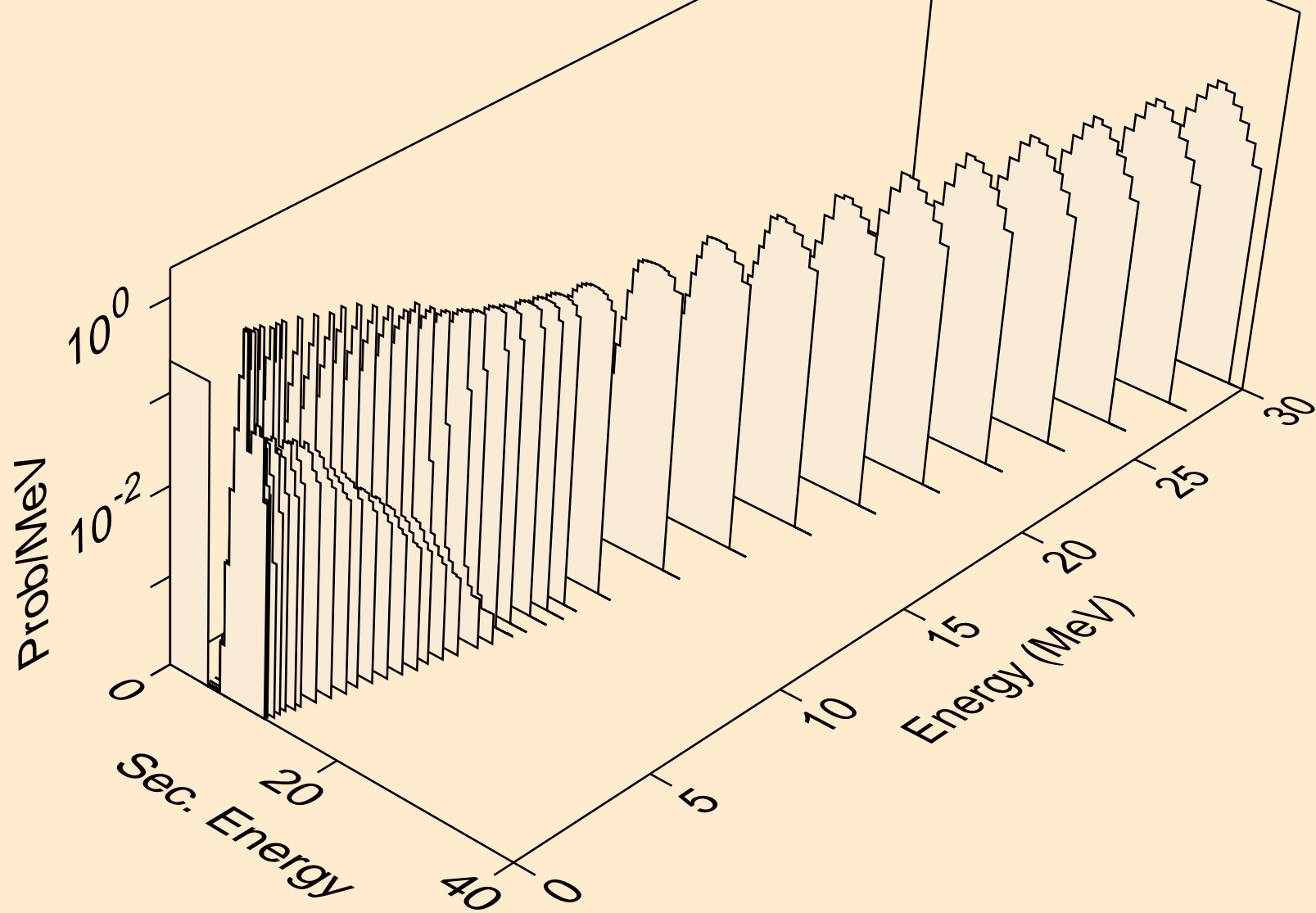
HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2n)2a



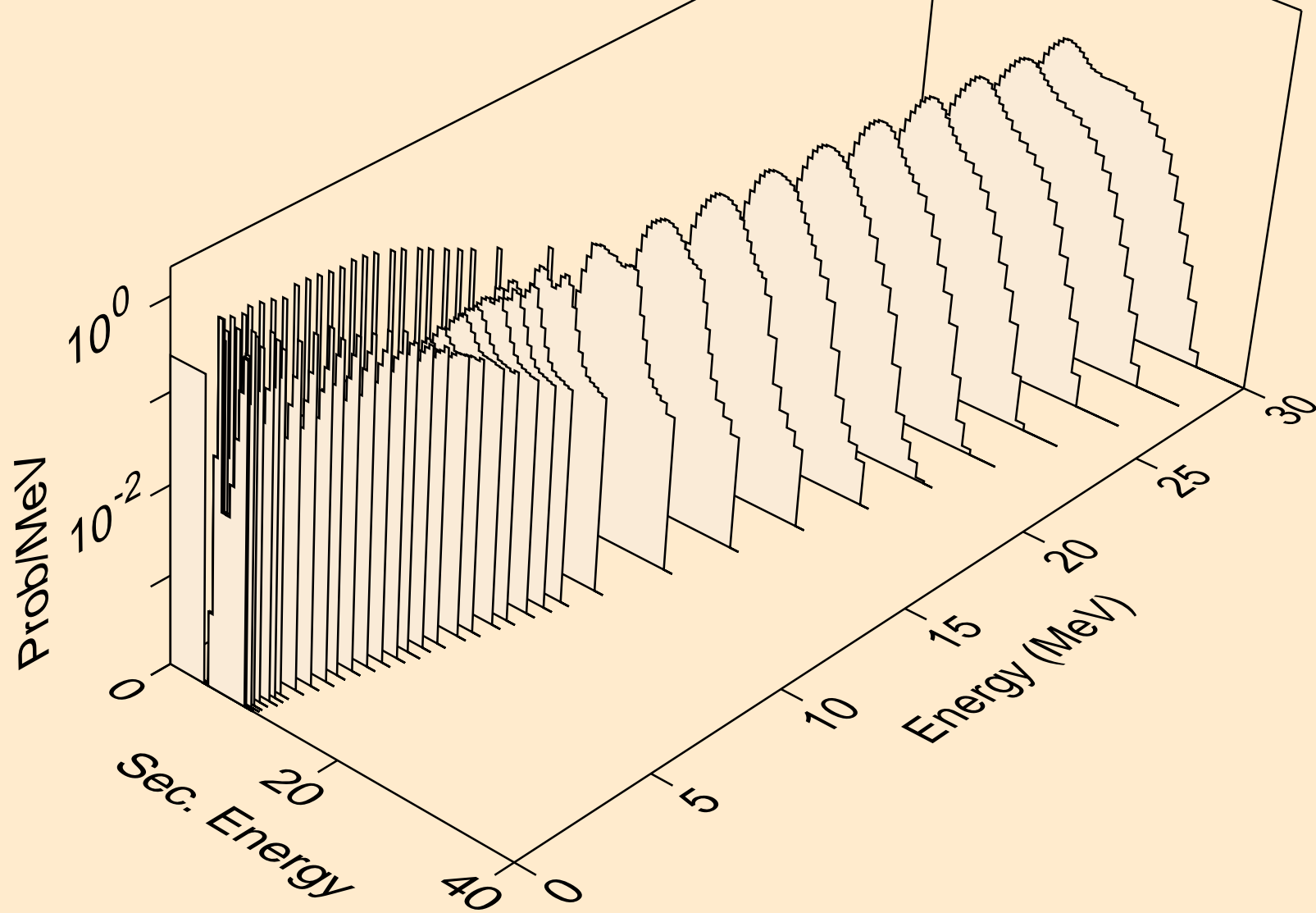
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alphas from (n,npa)



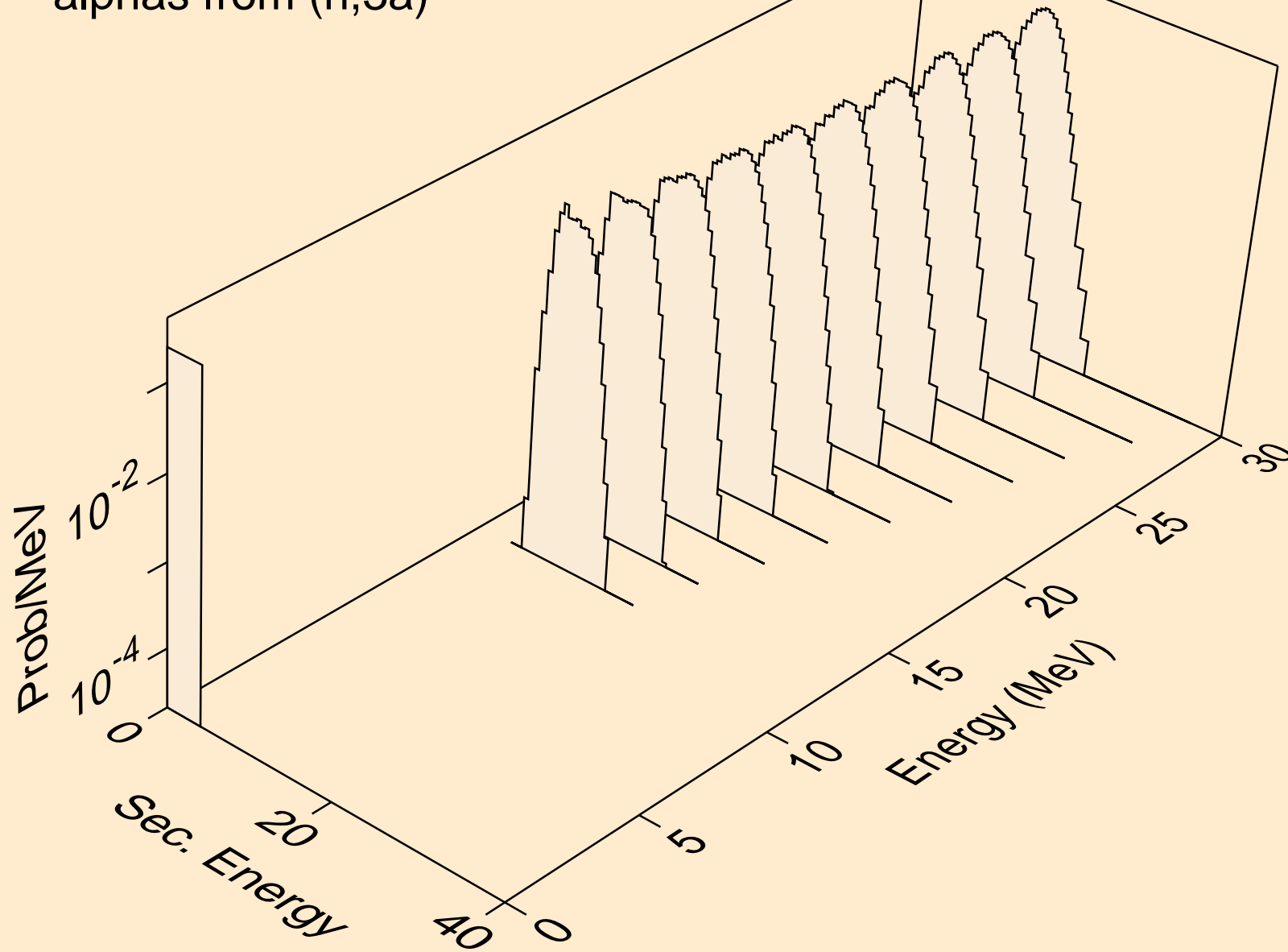
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alphas from (n,a)



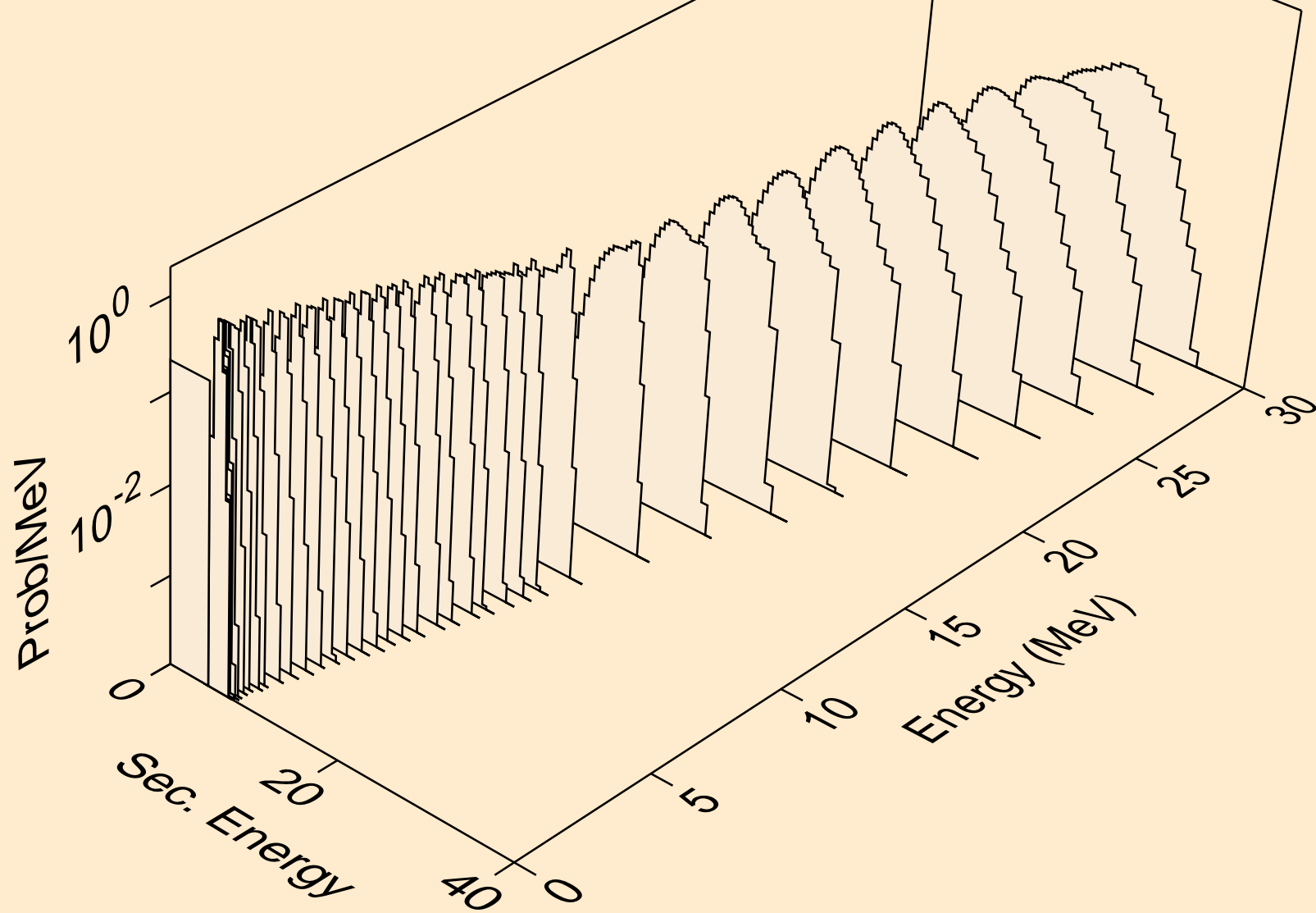
HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2a)



HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,3a)



HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,pa)



HO153M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,da)

