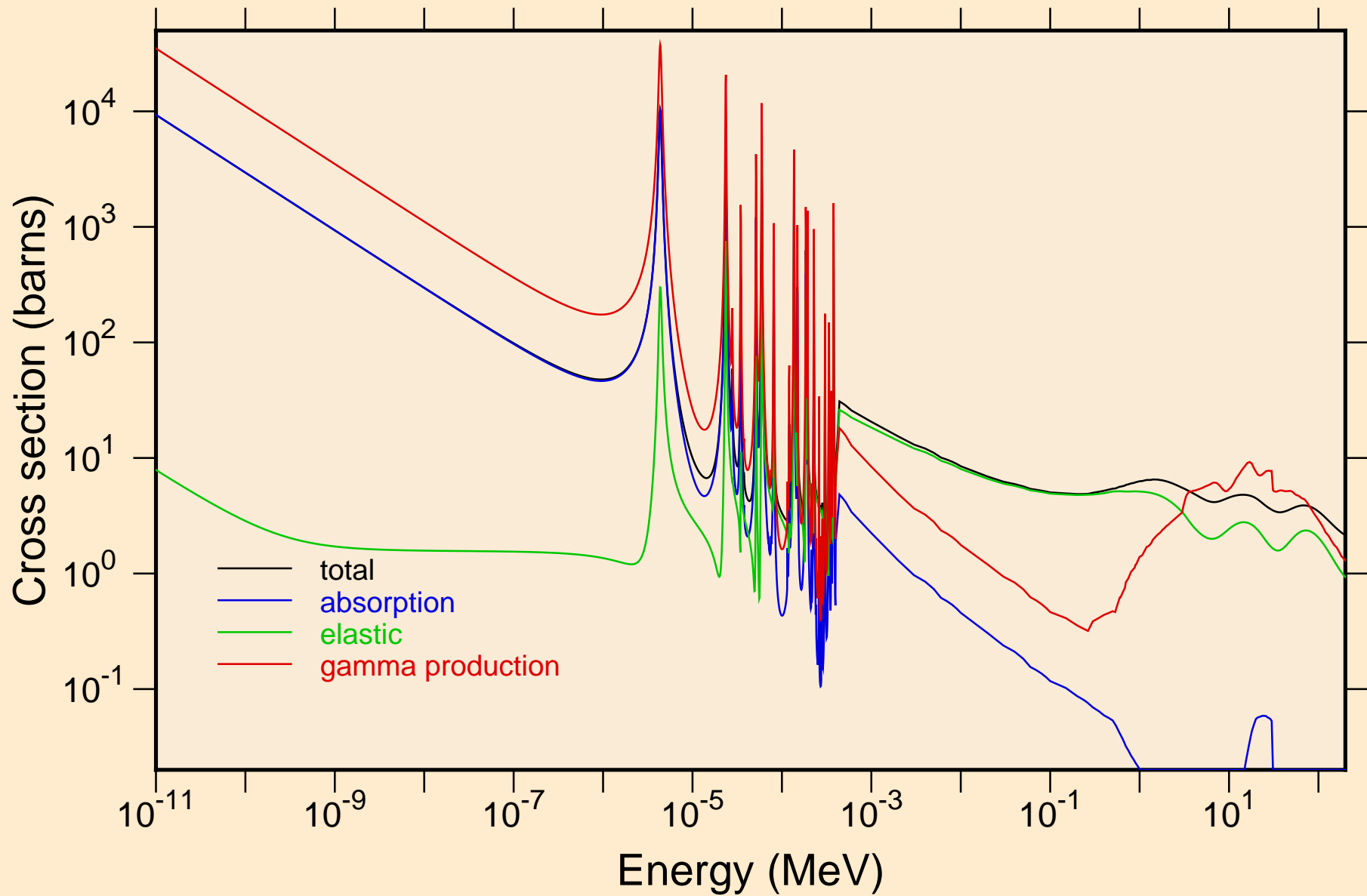
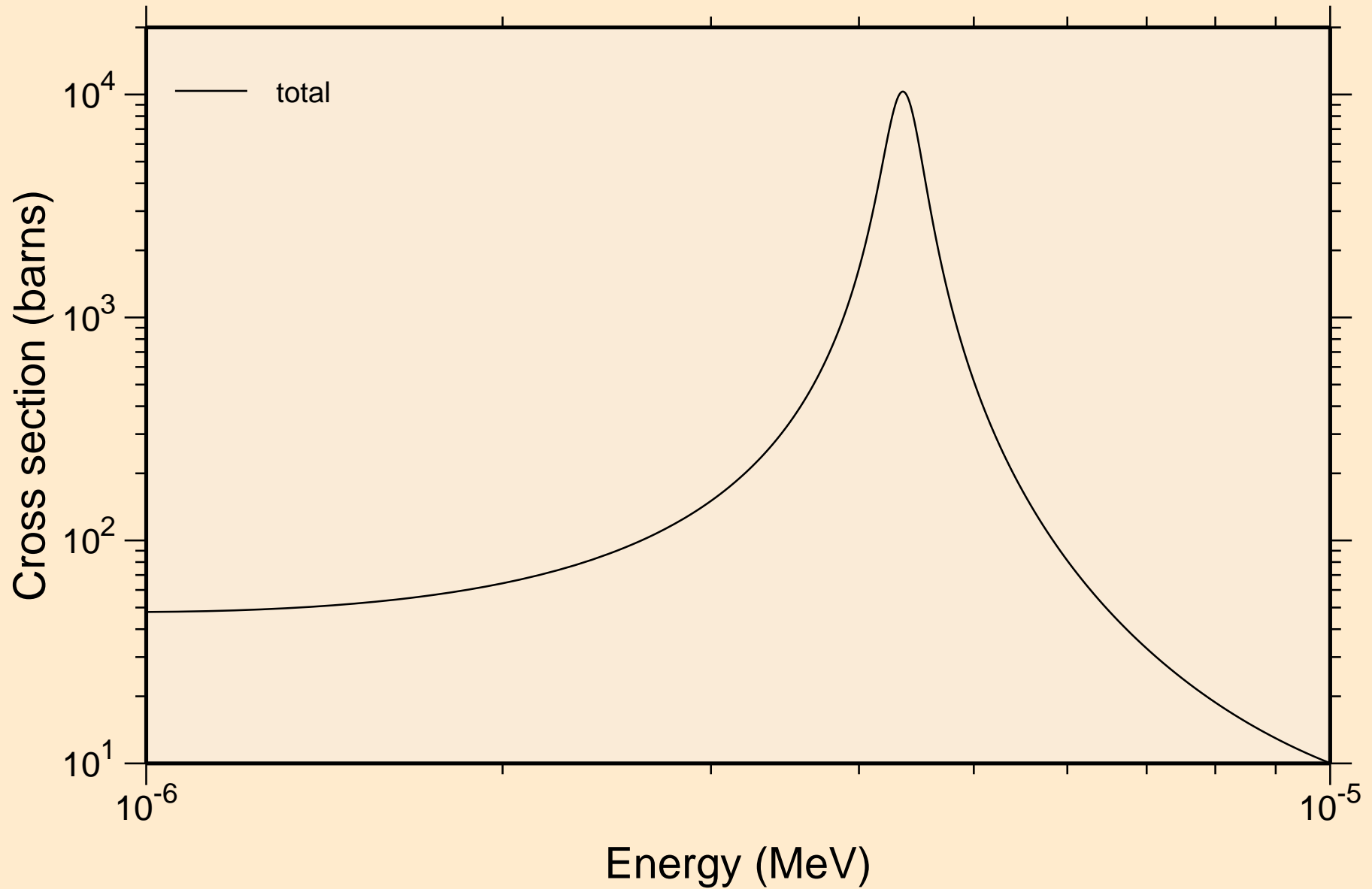


# XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

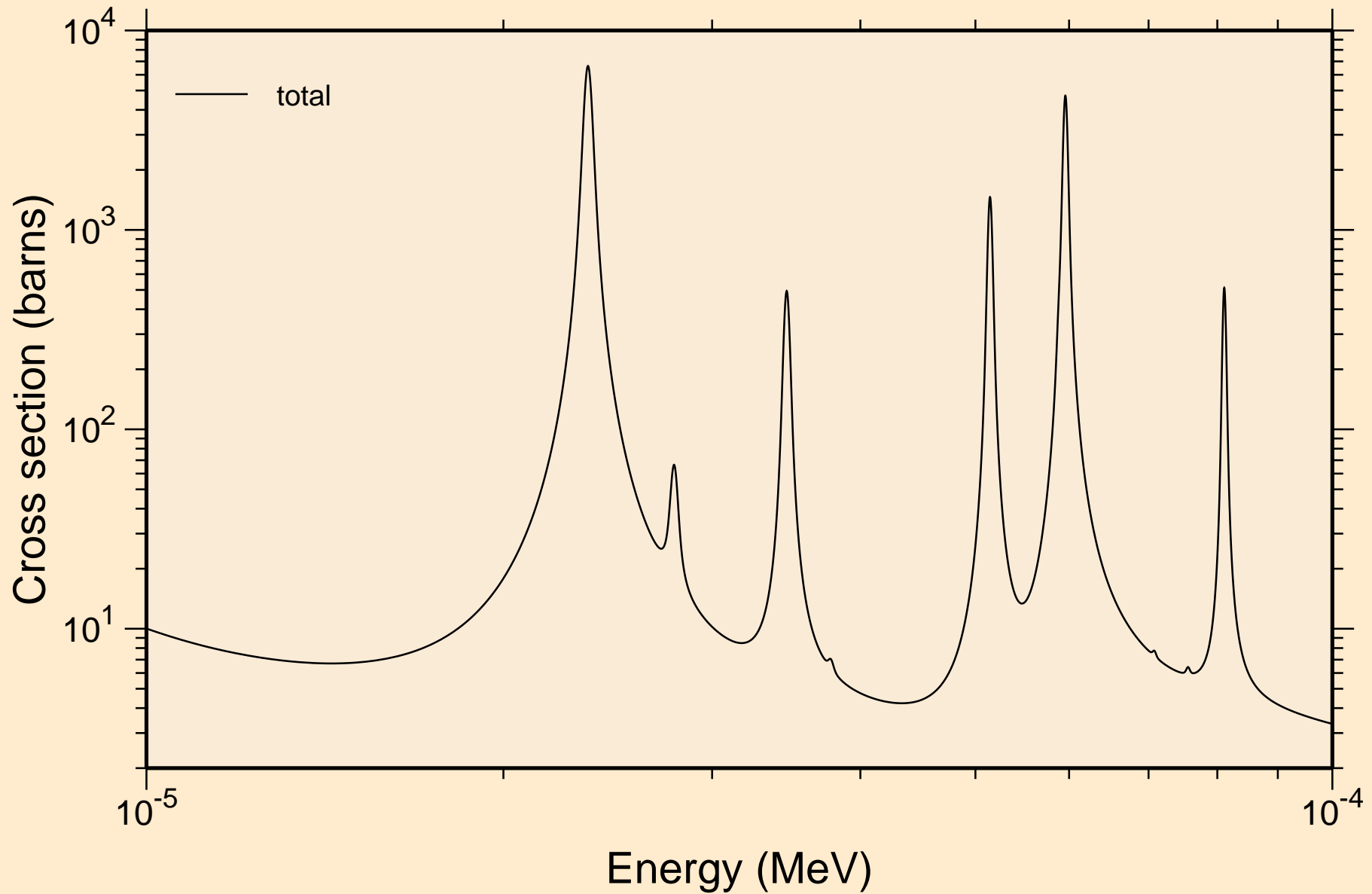
## Principal cross sections



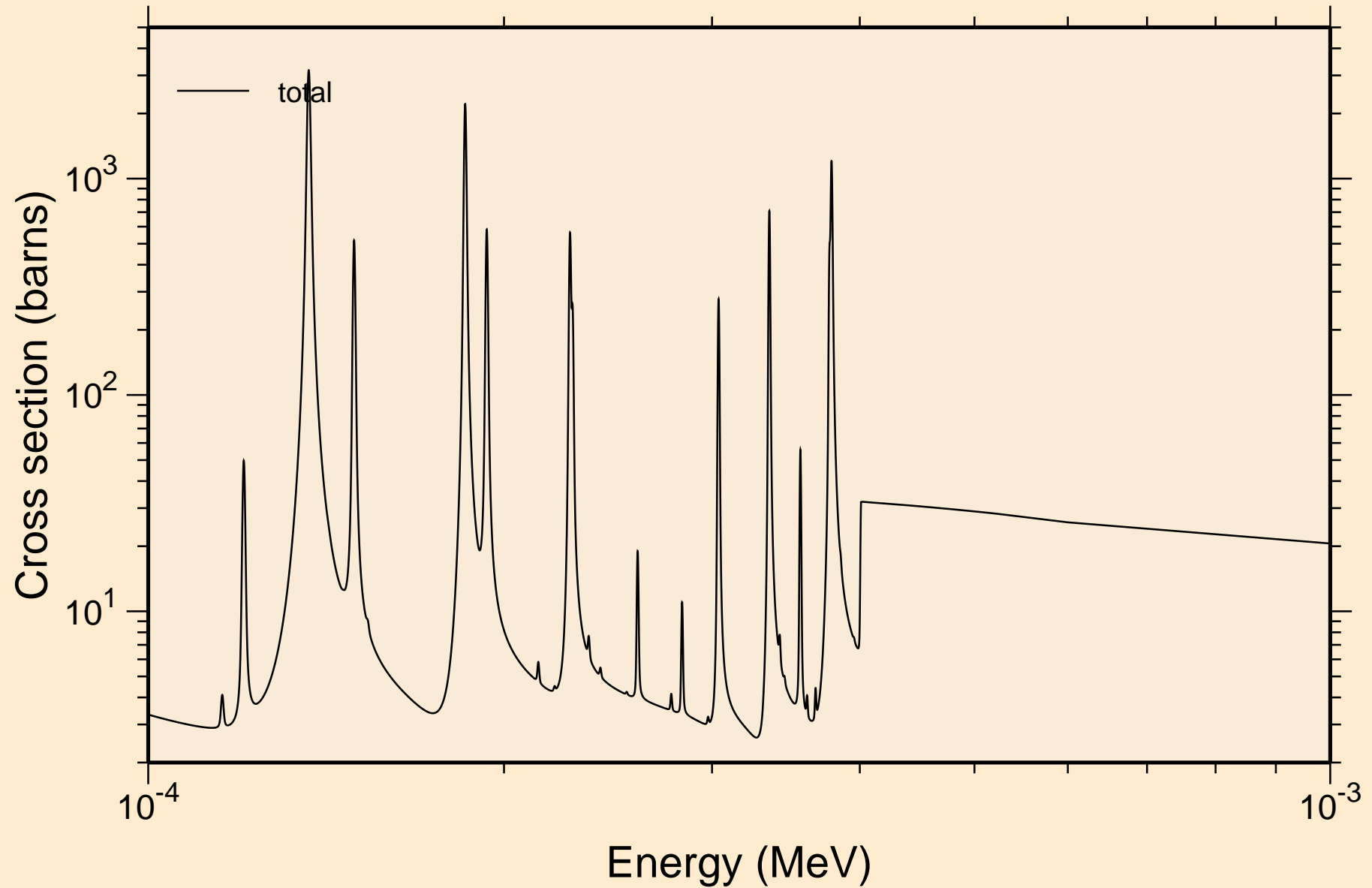
XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



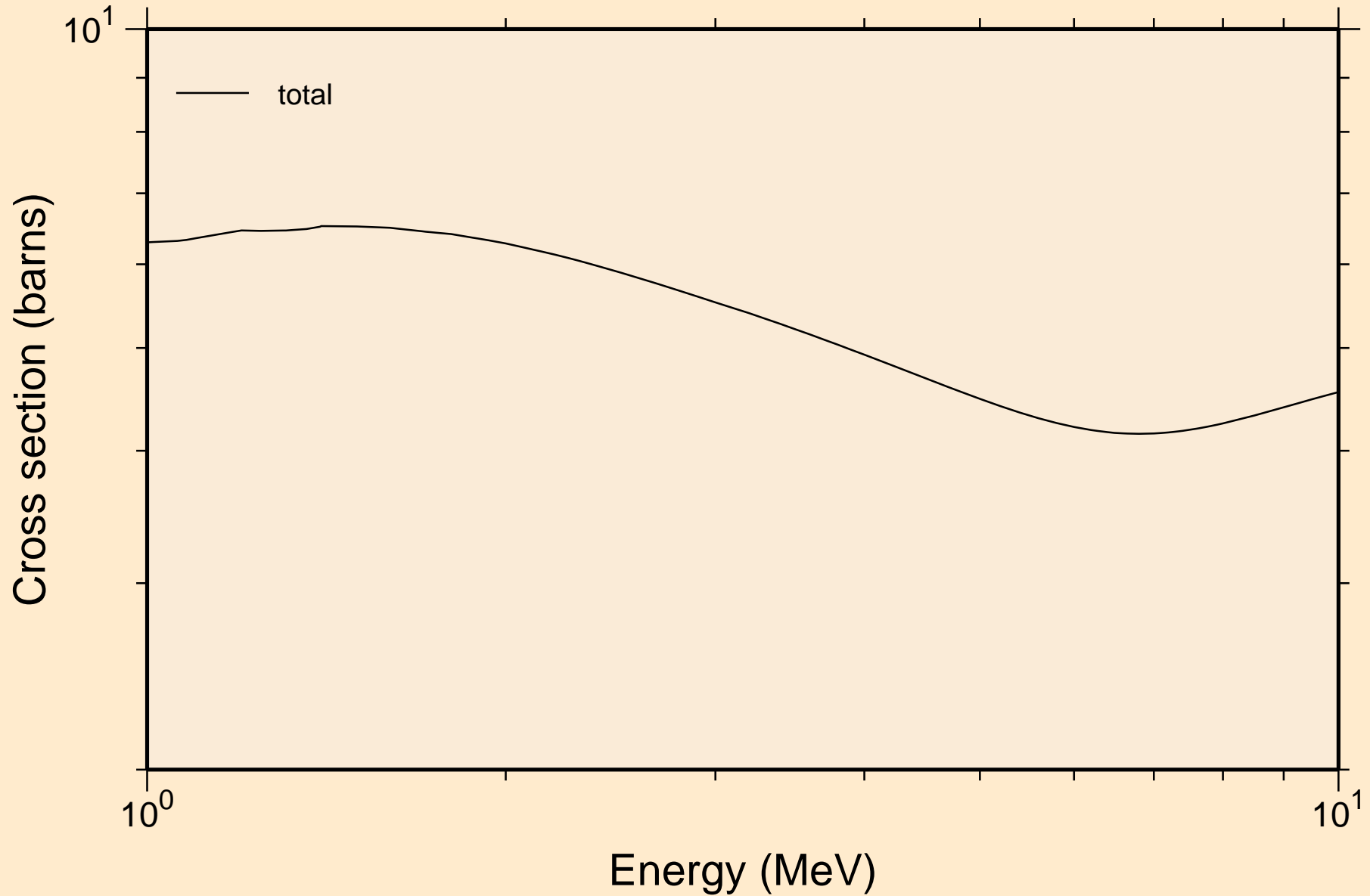
XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



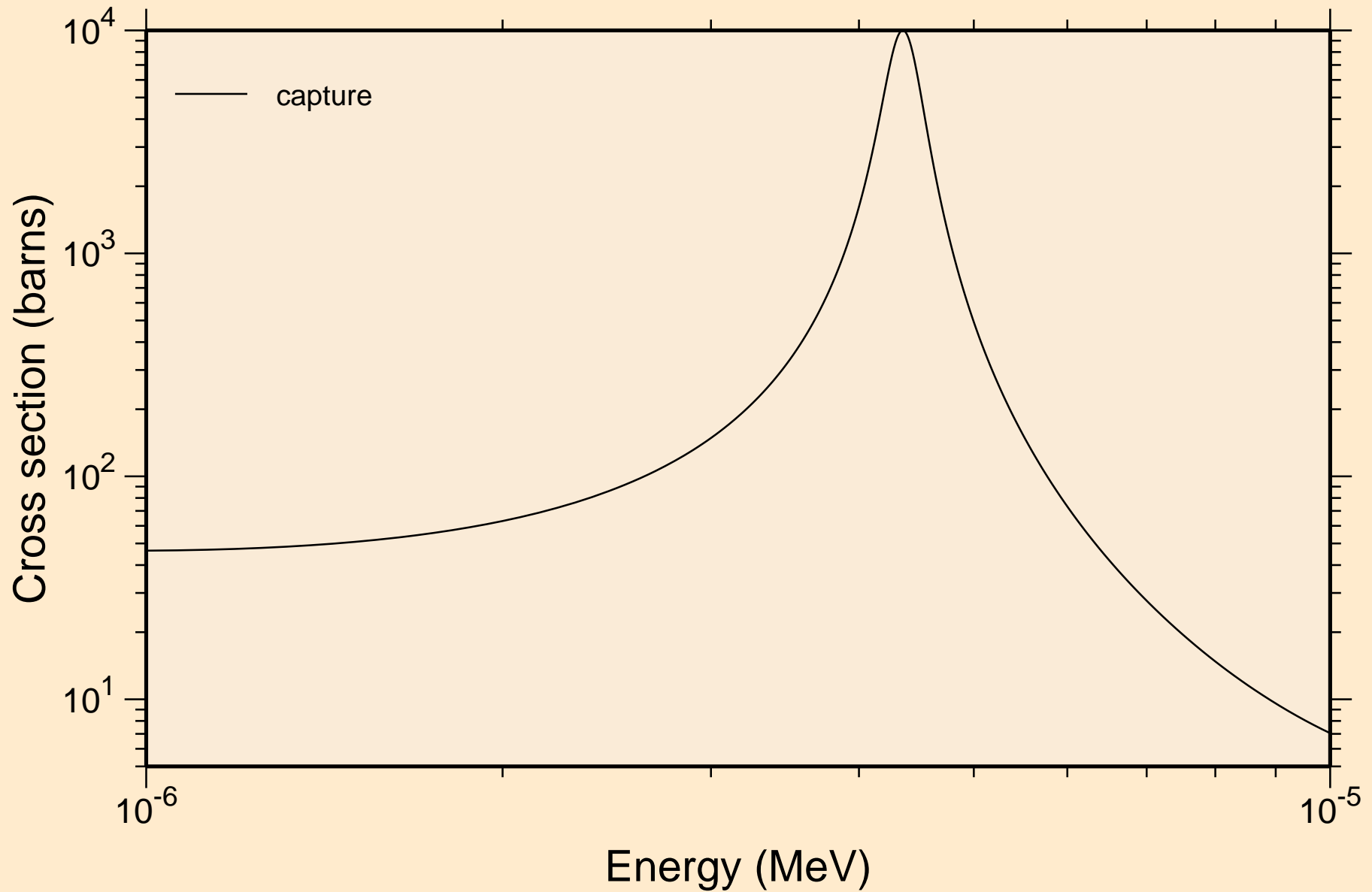
XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



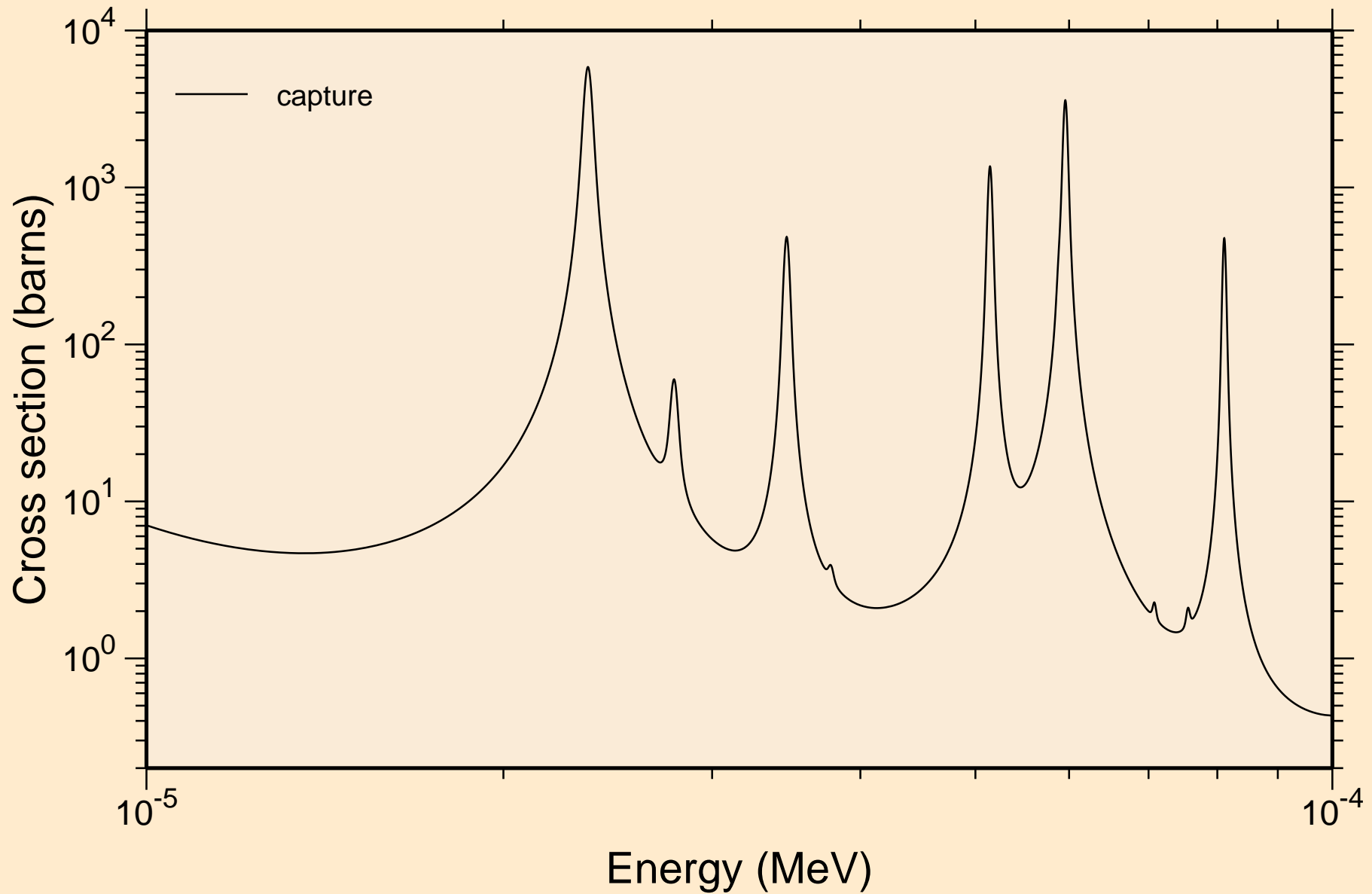
XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



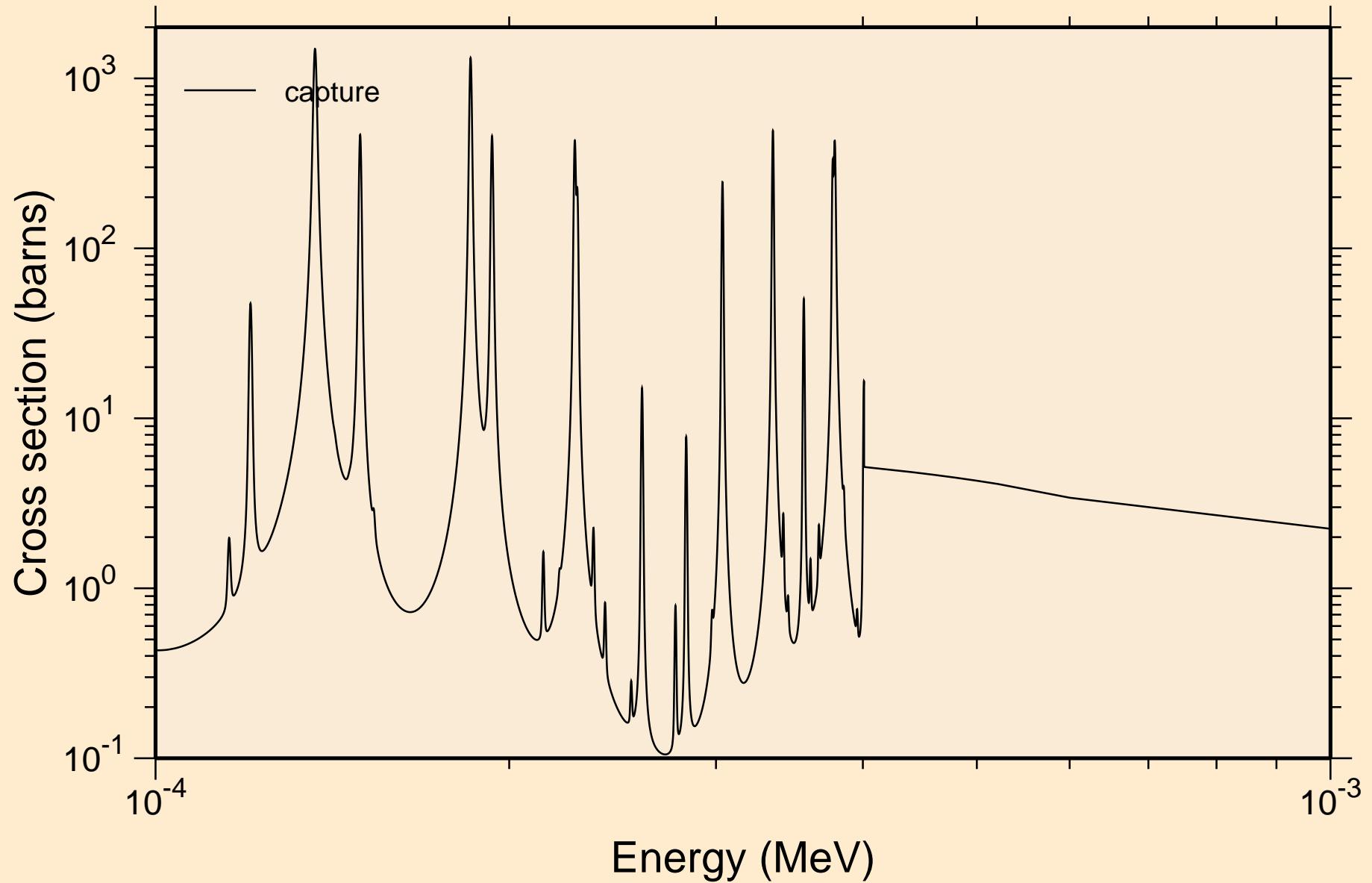
XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections

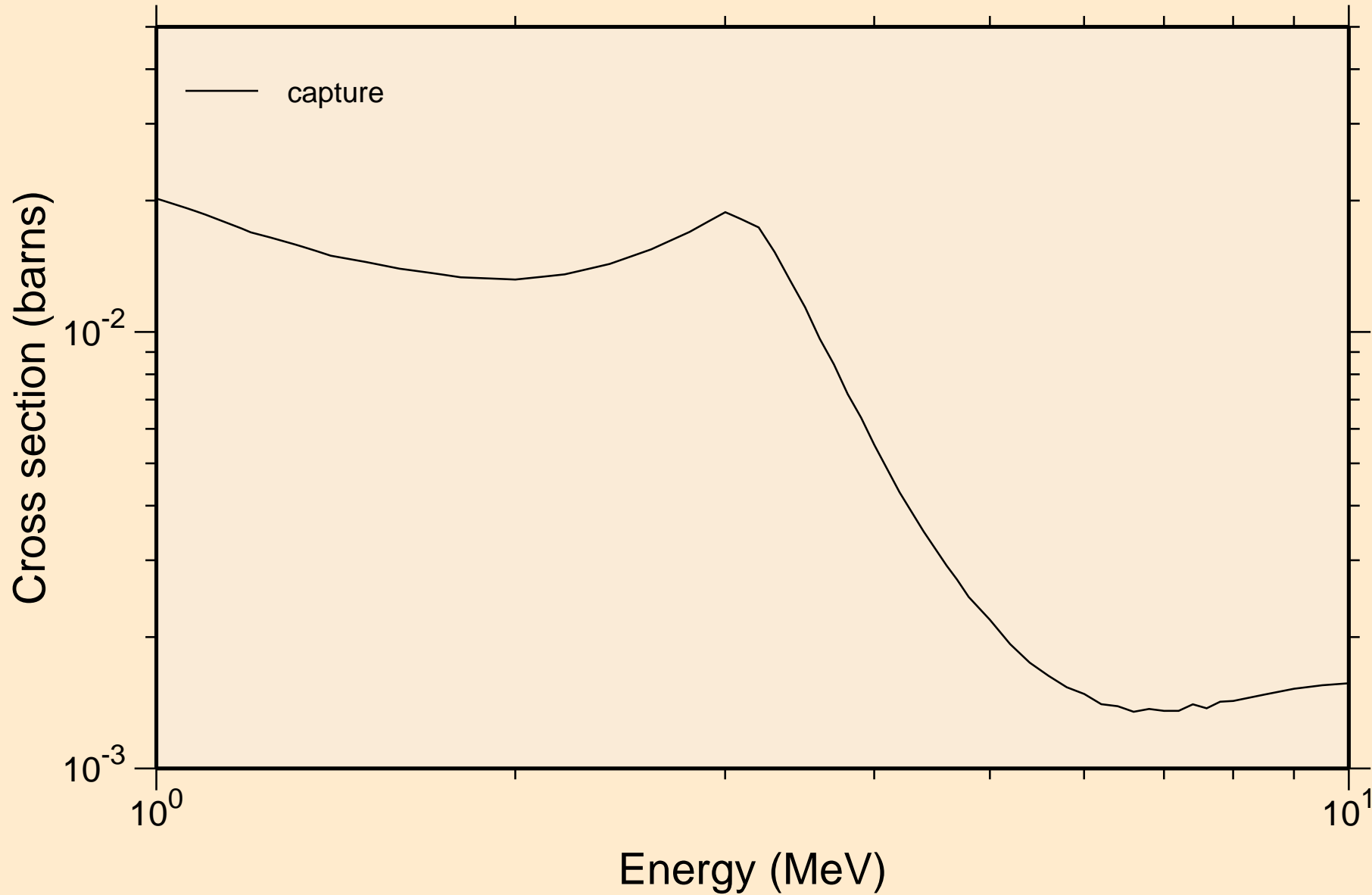


XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections

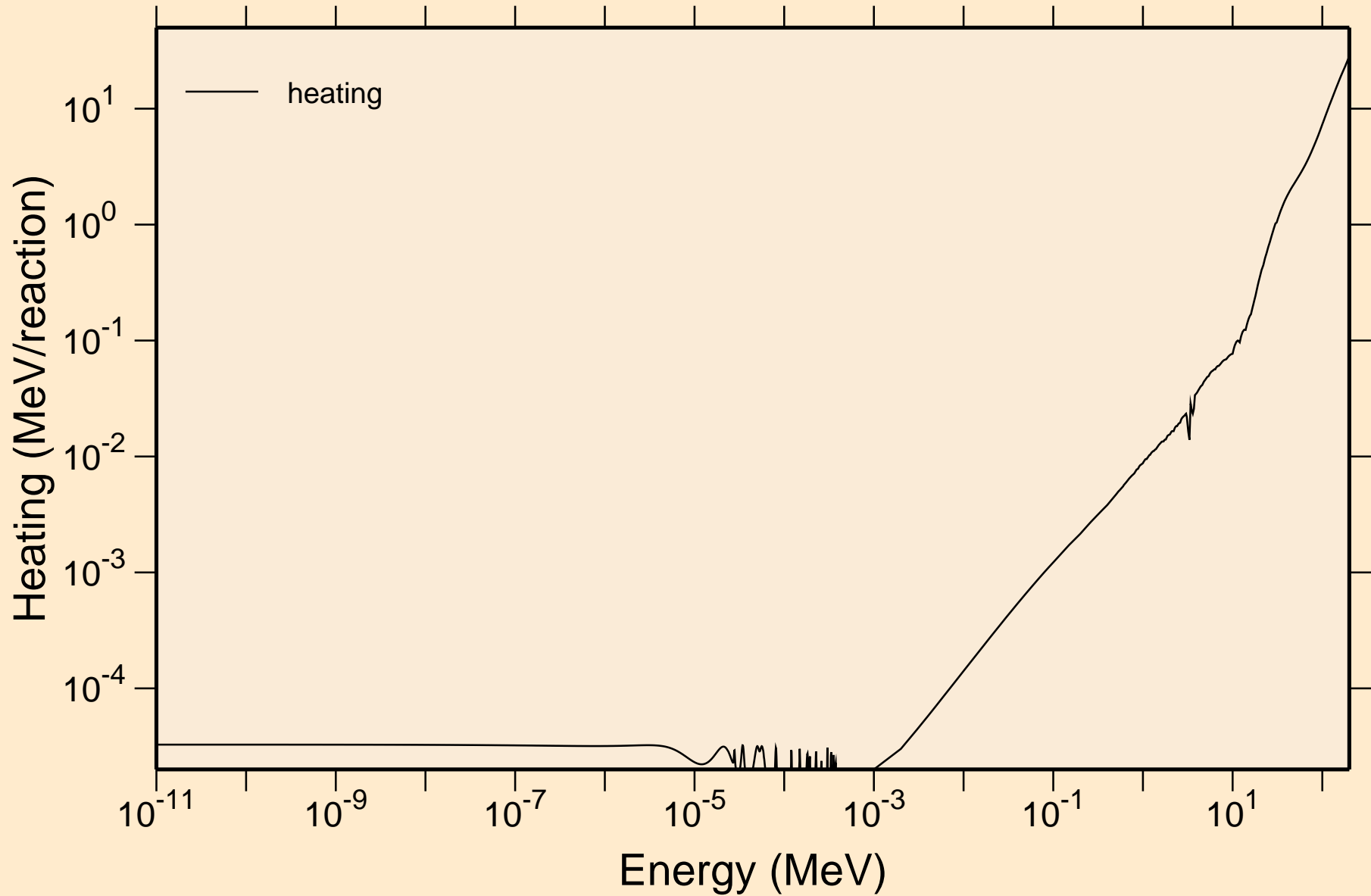




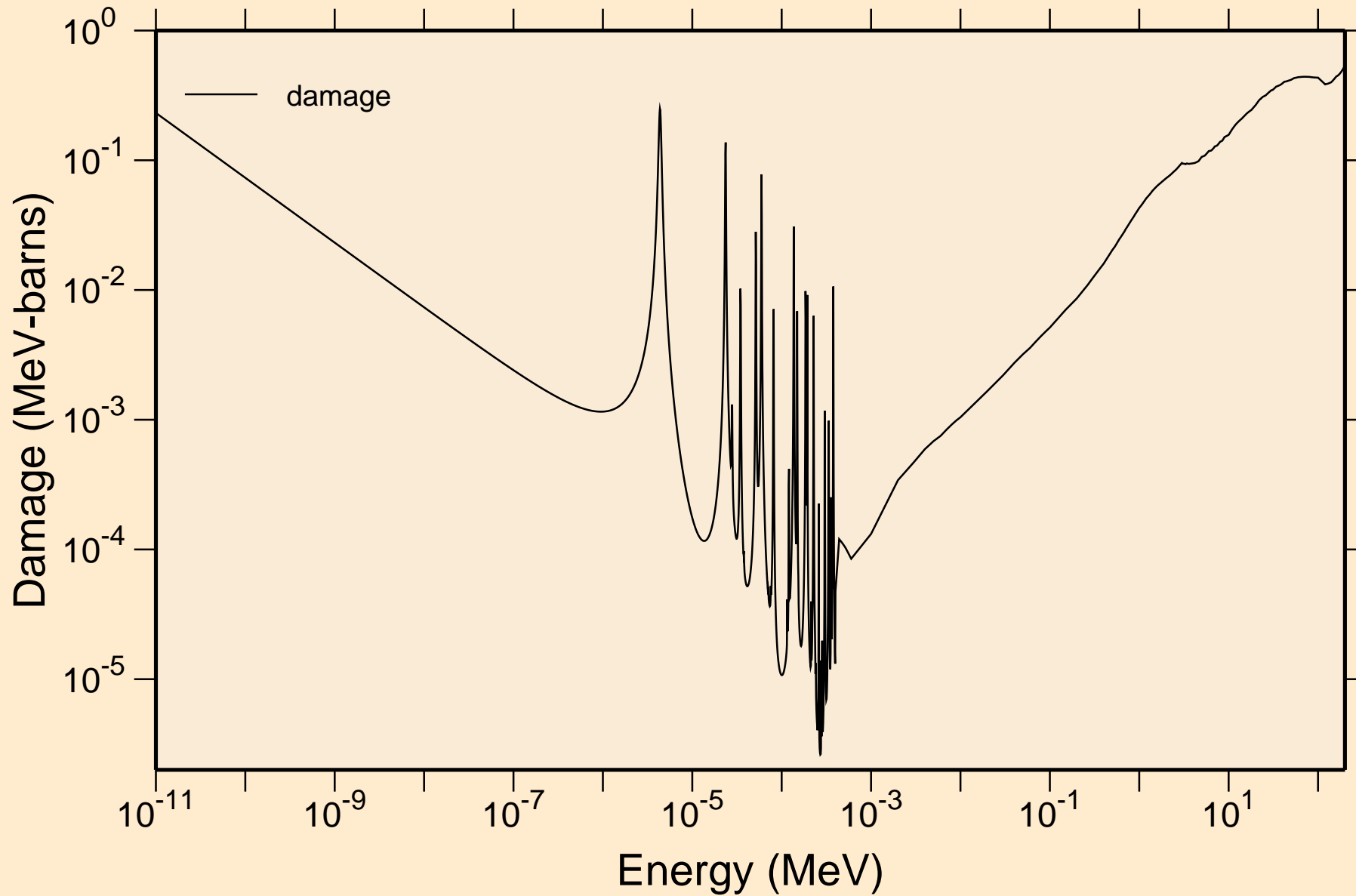
XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Heating

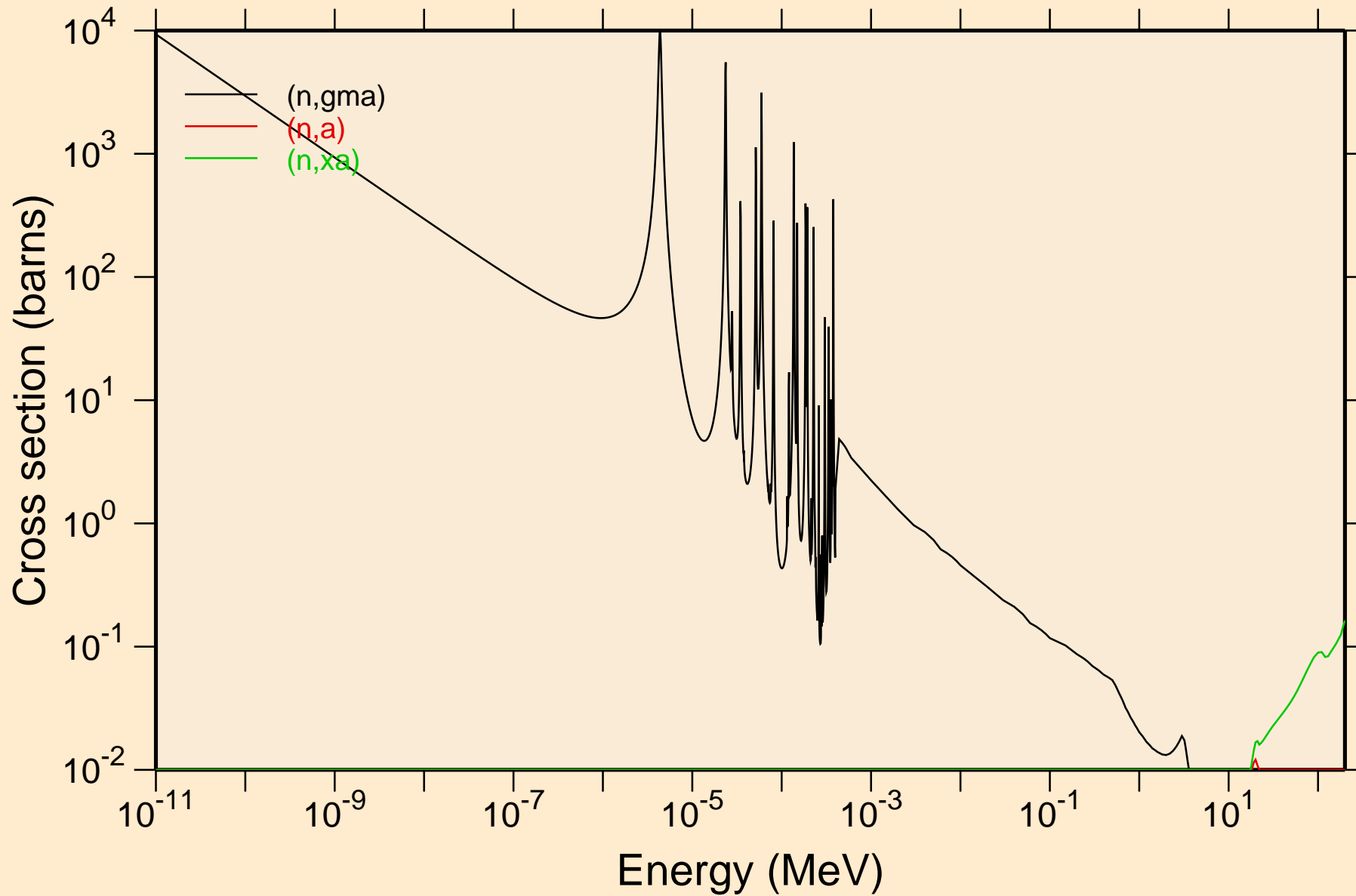


XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Damage

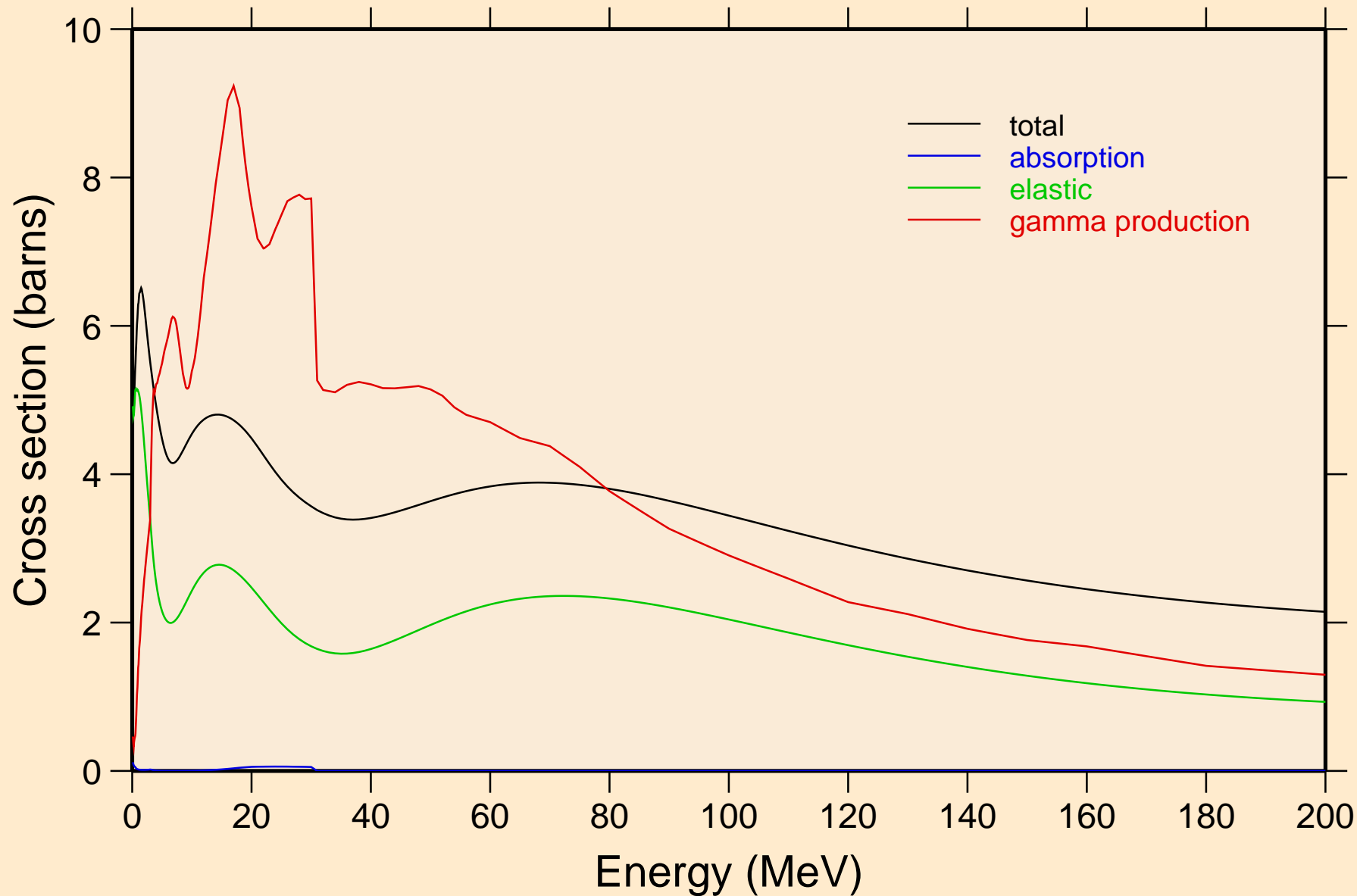


# XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

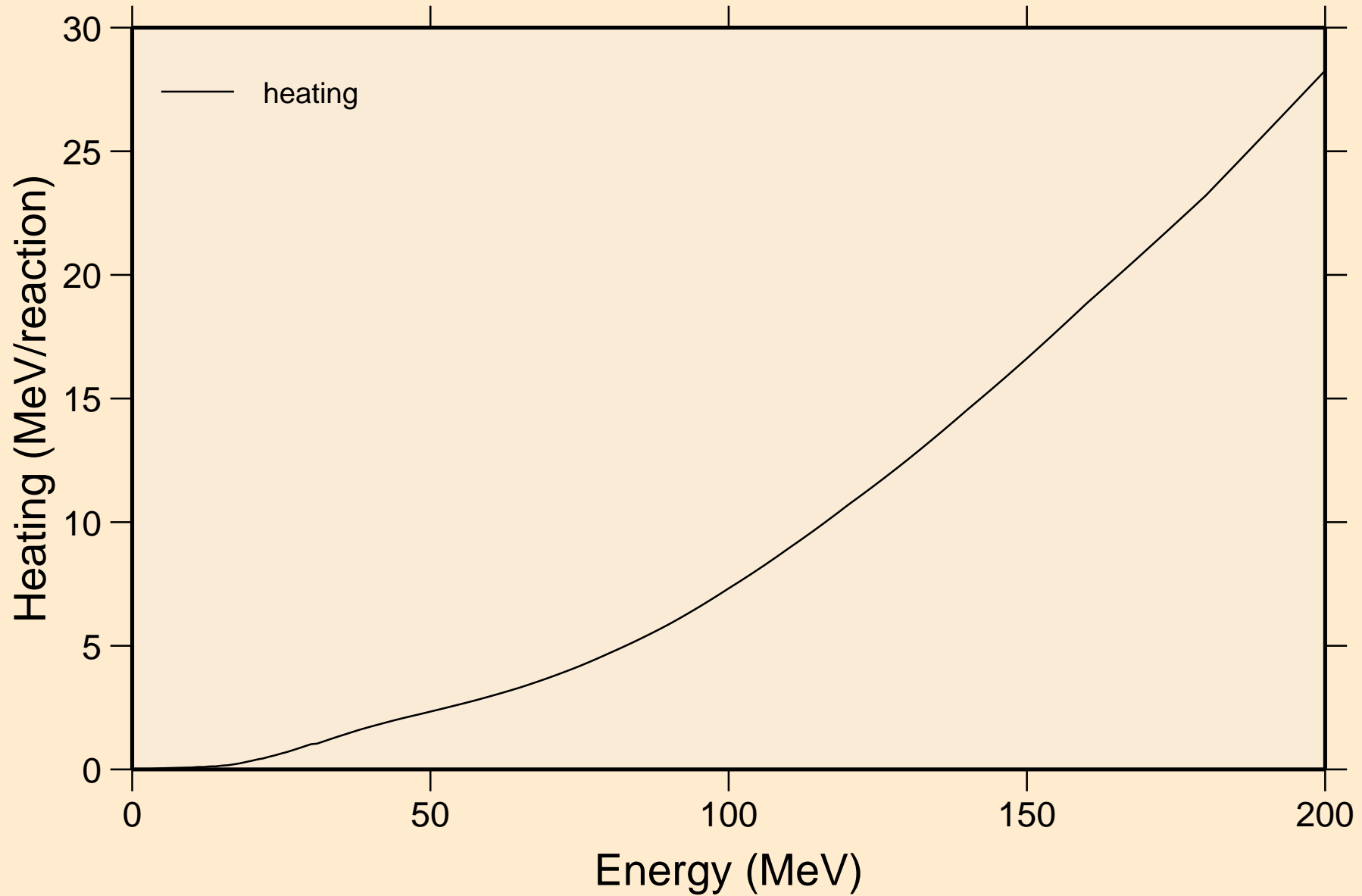
## Non-threshold reactions



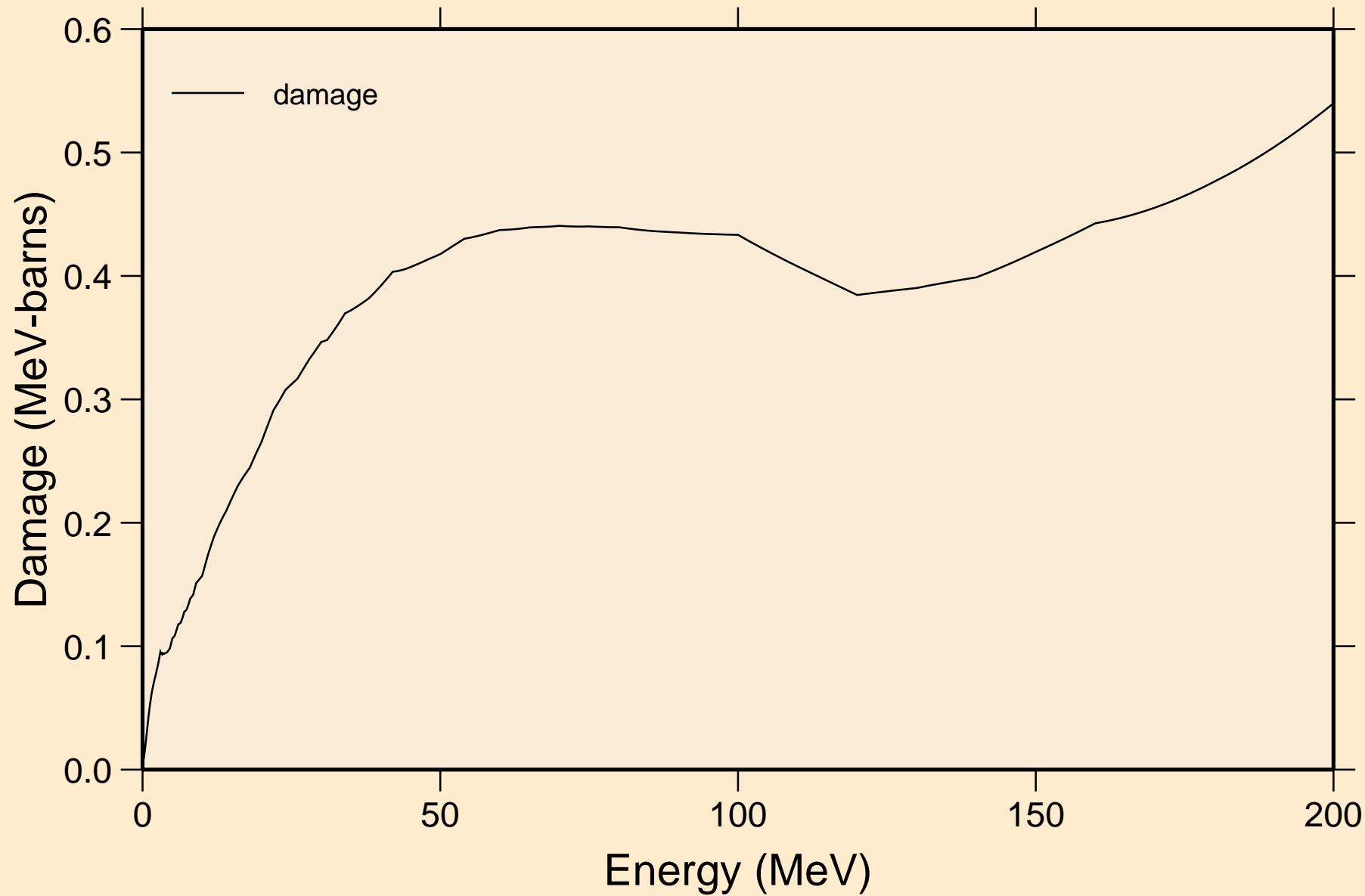
XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Principal cross sections



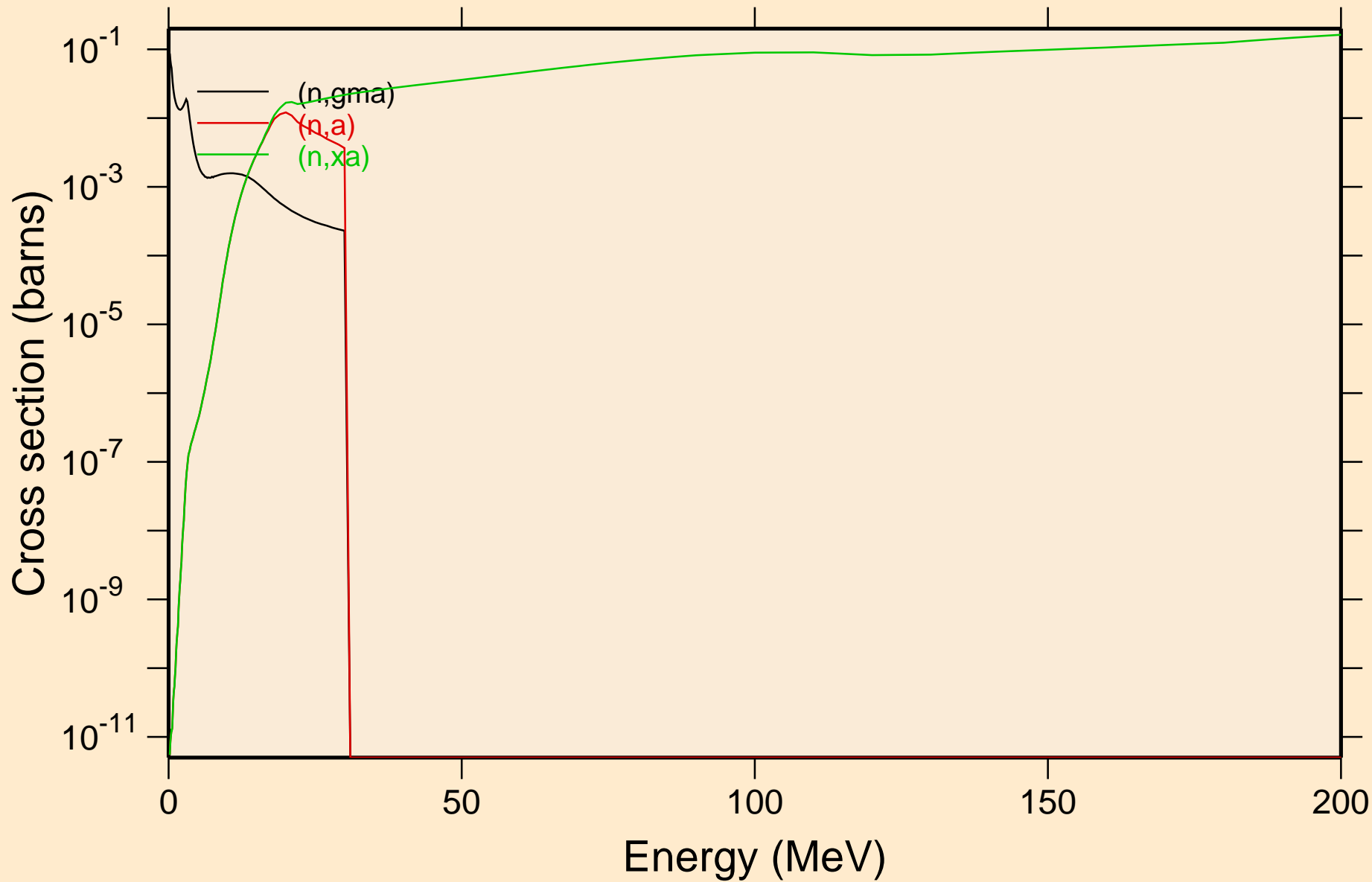
XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Heating



XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Damage

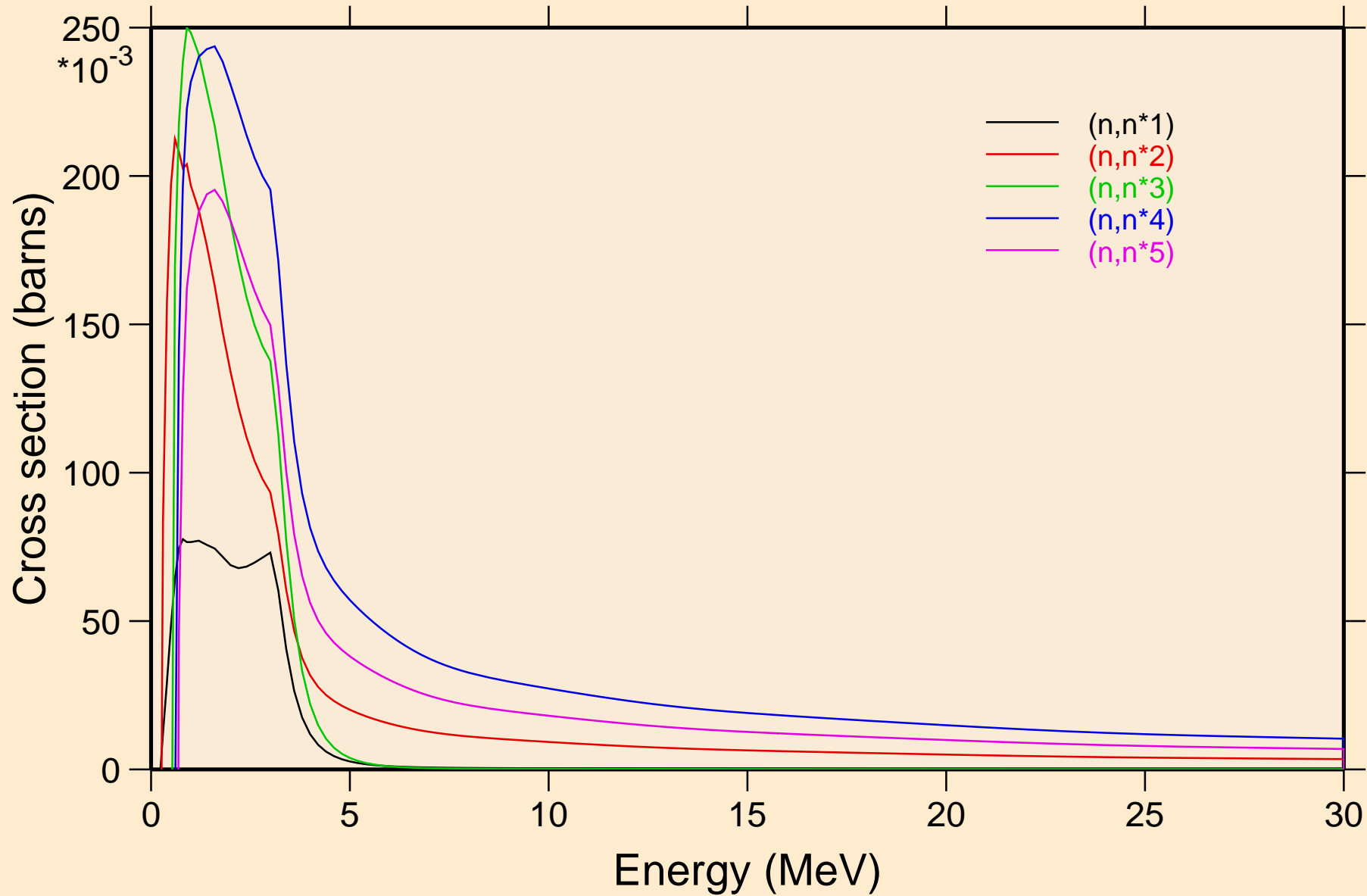


XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions

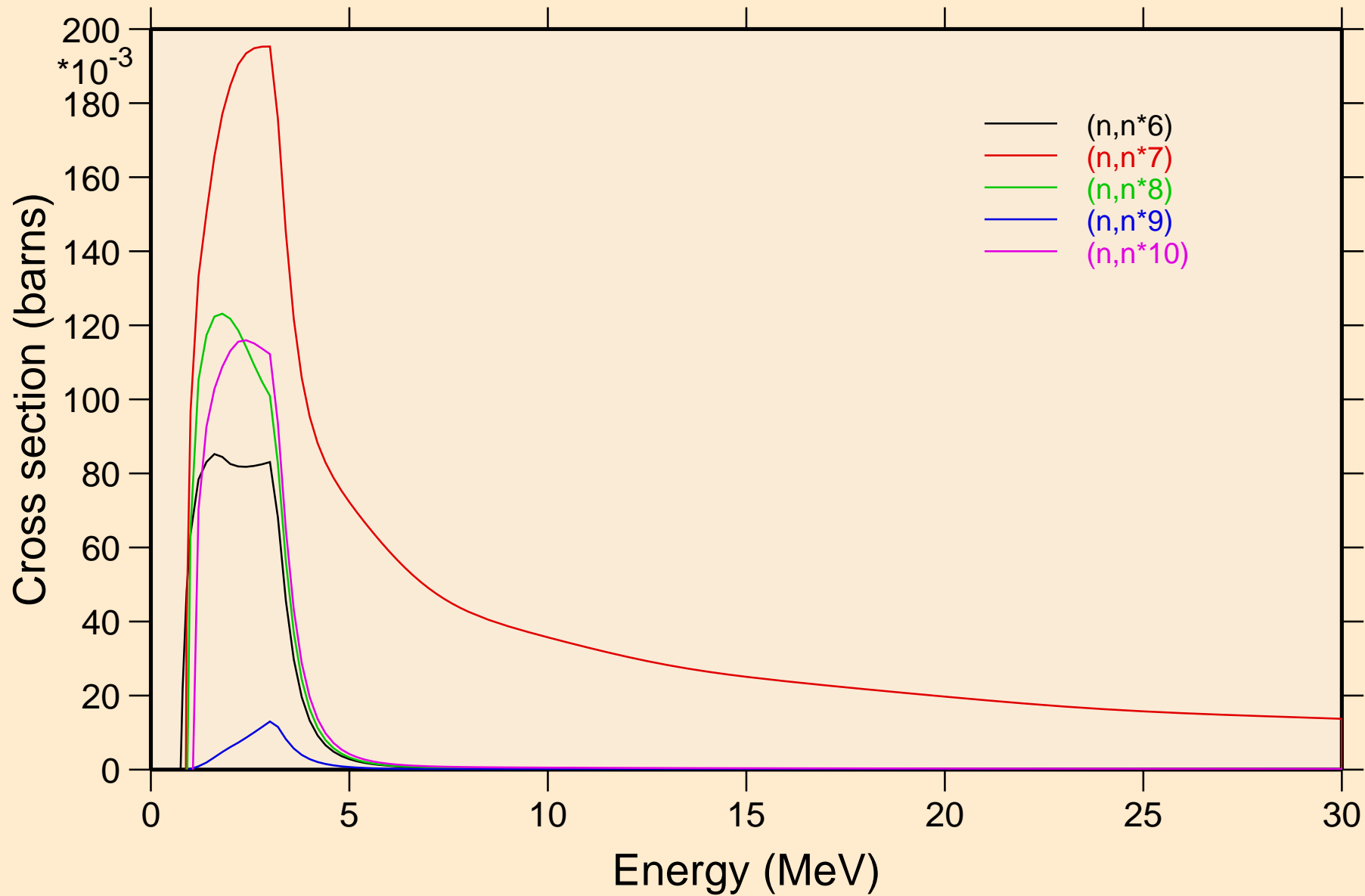




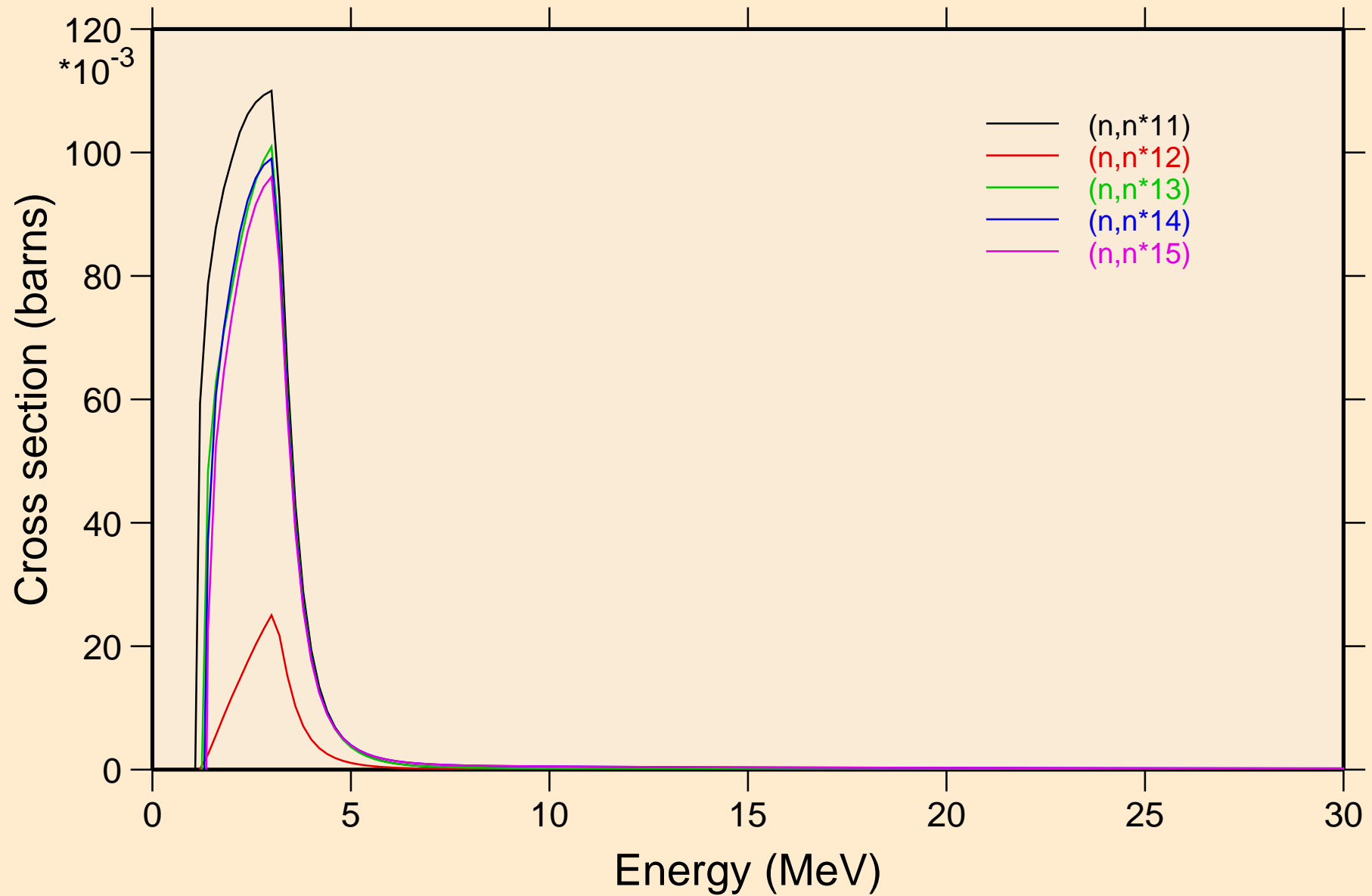
XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



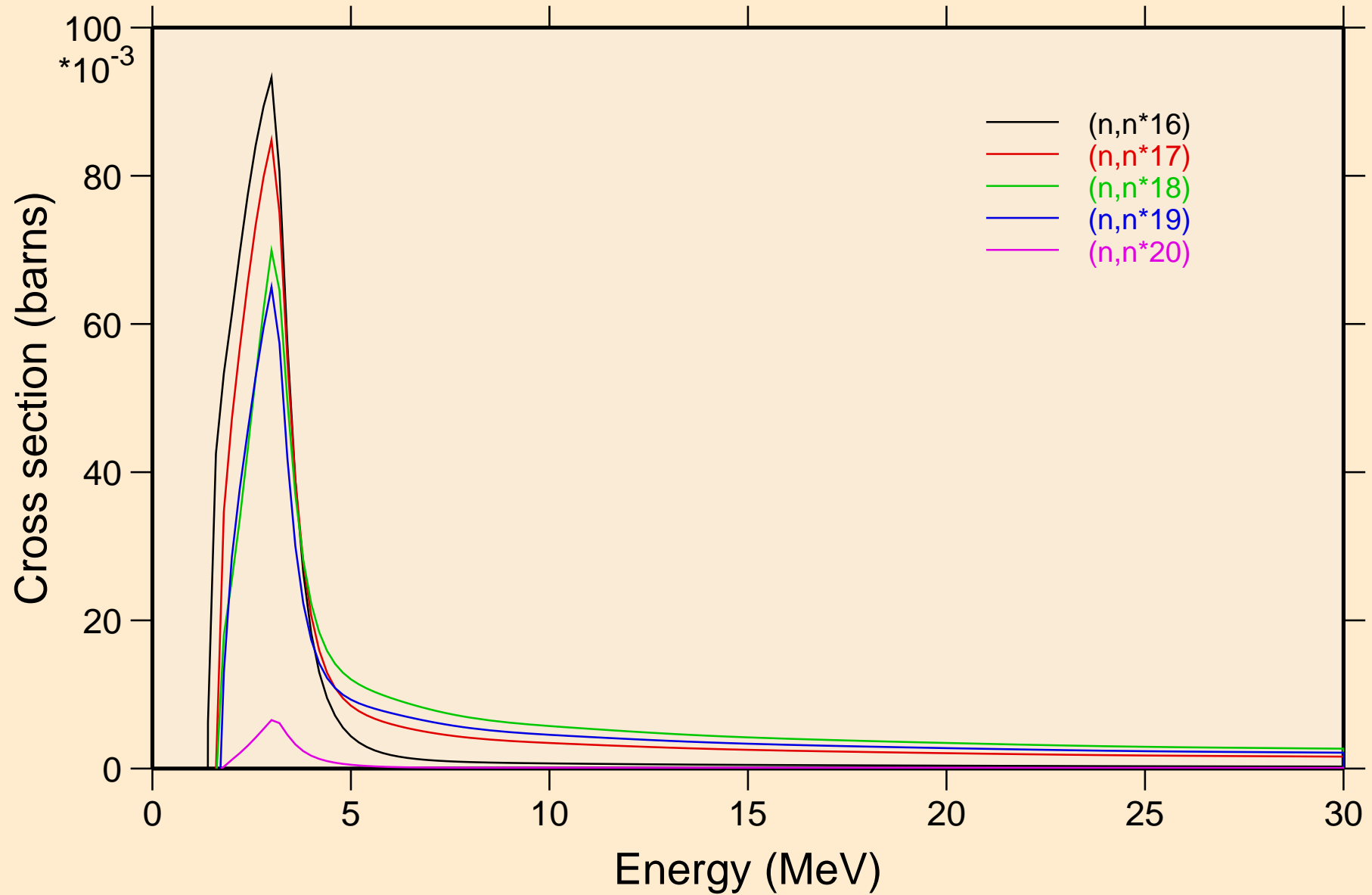
XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



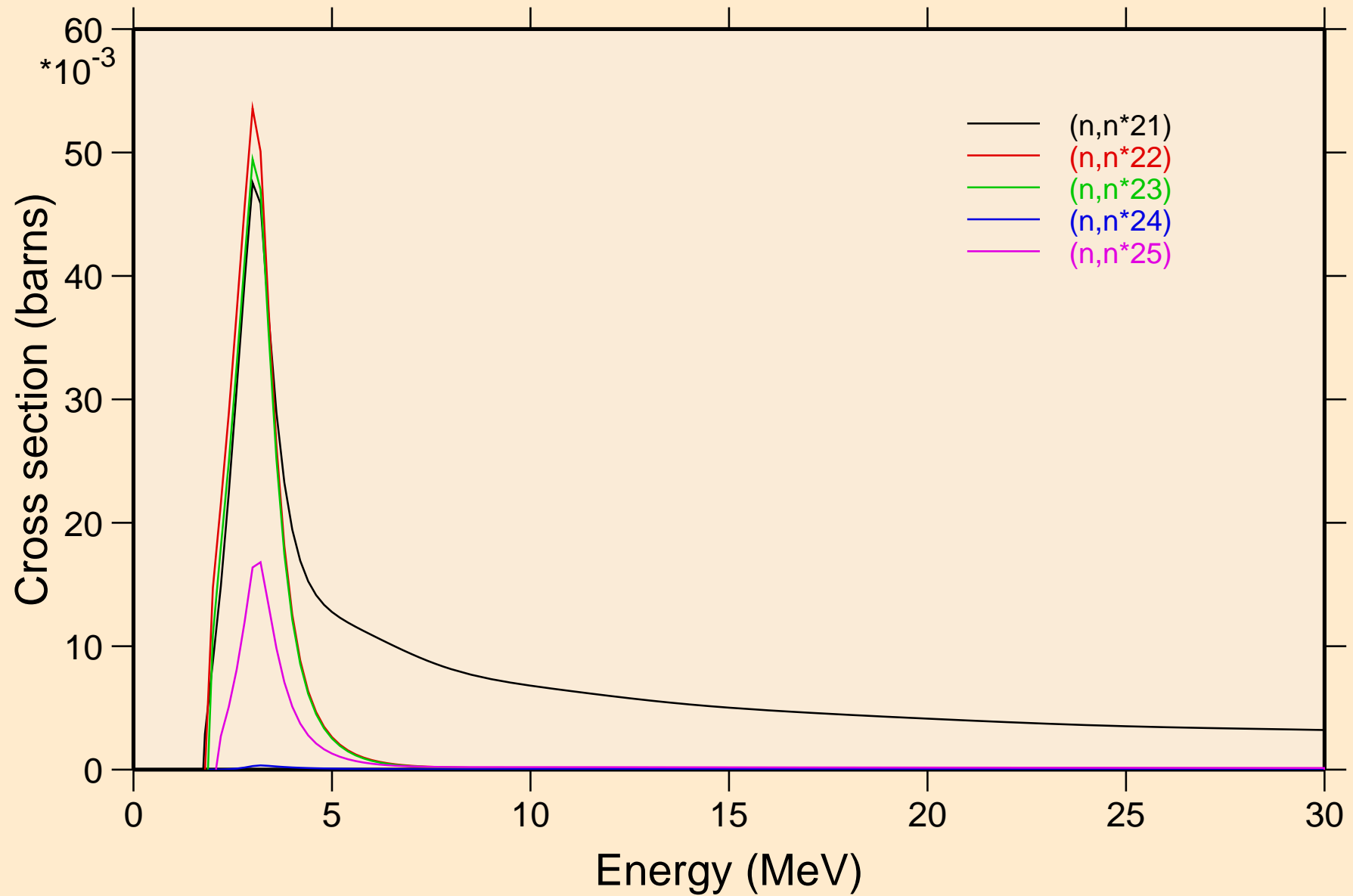
XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



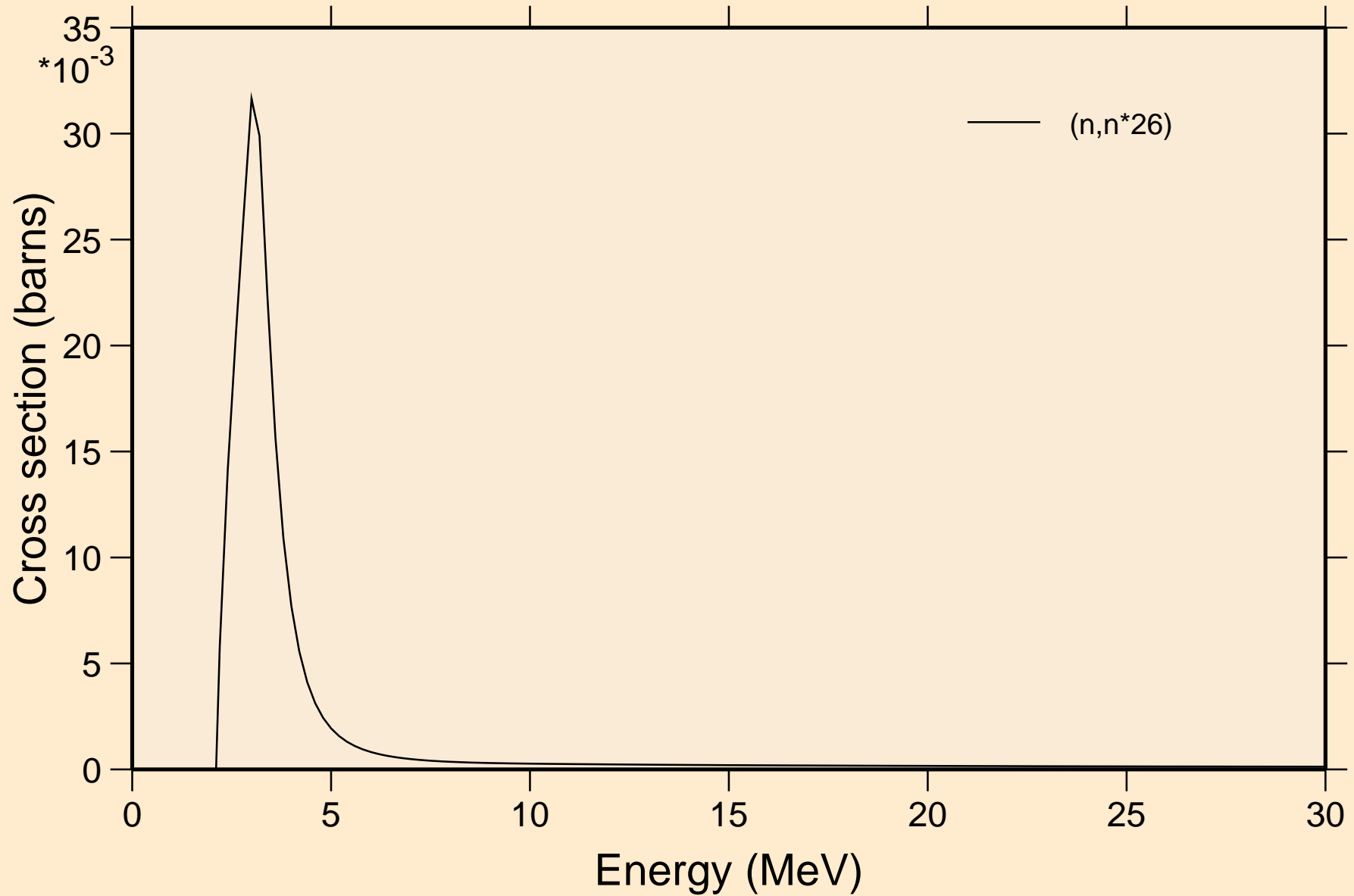
XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



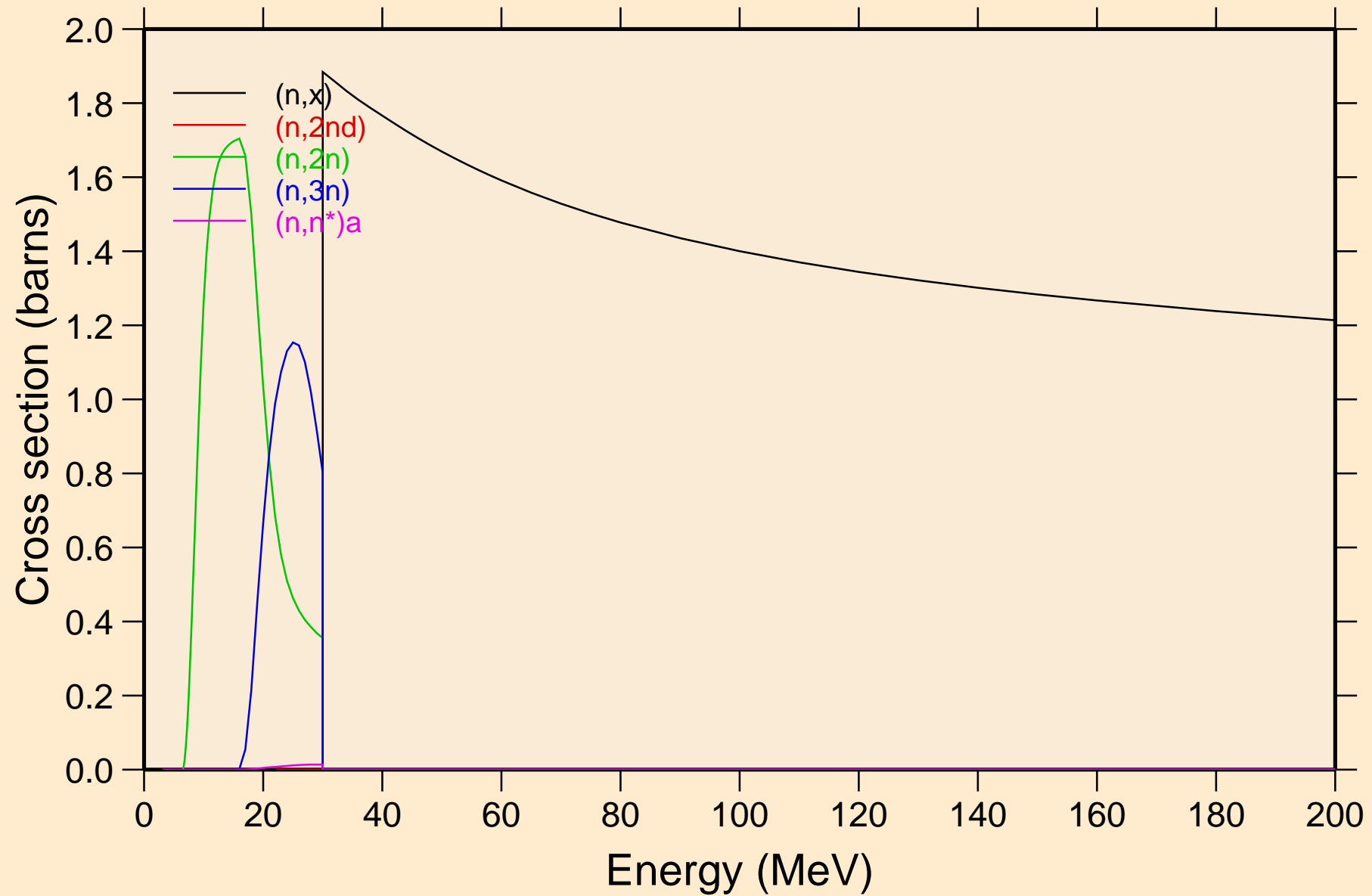
XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



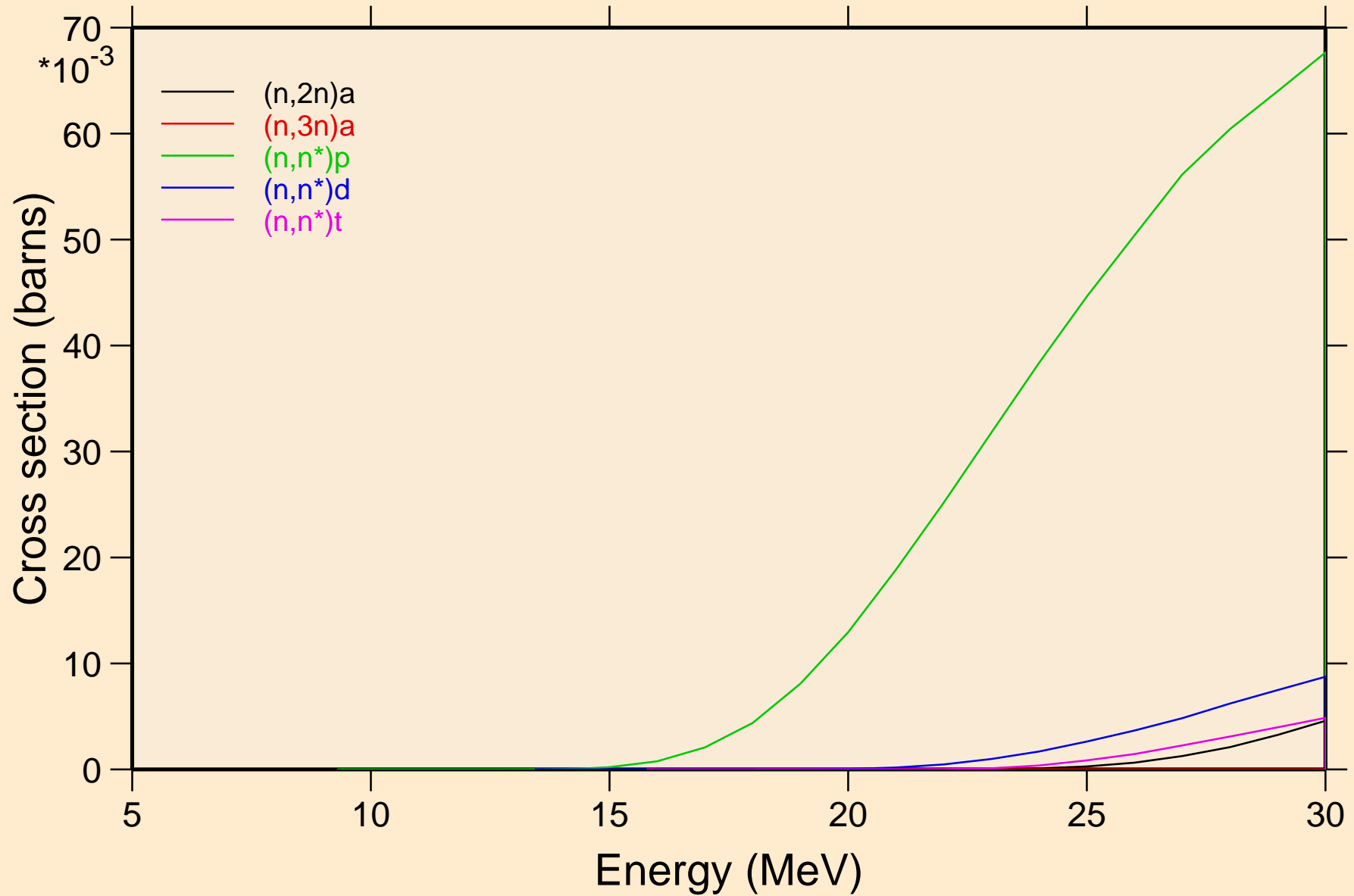
XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions

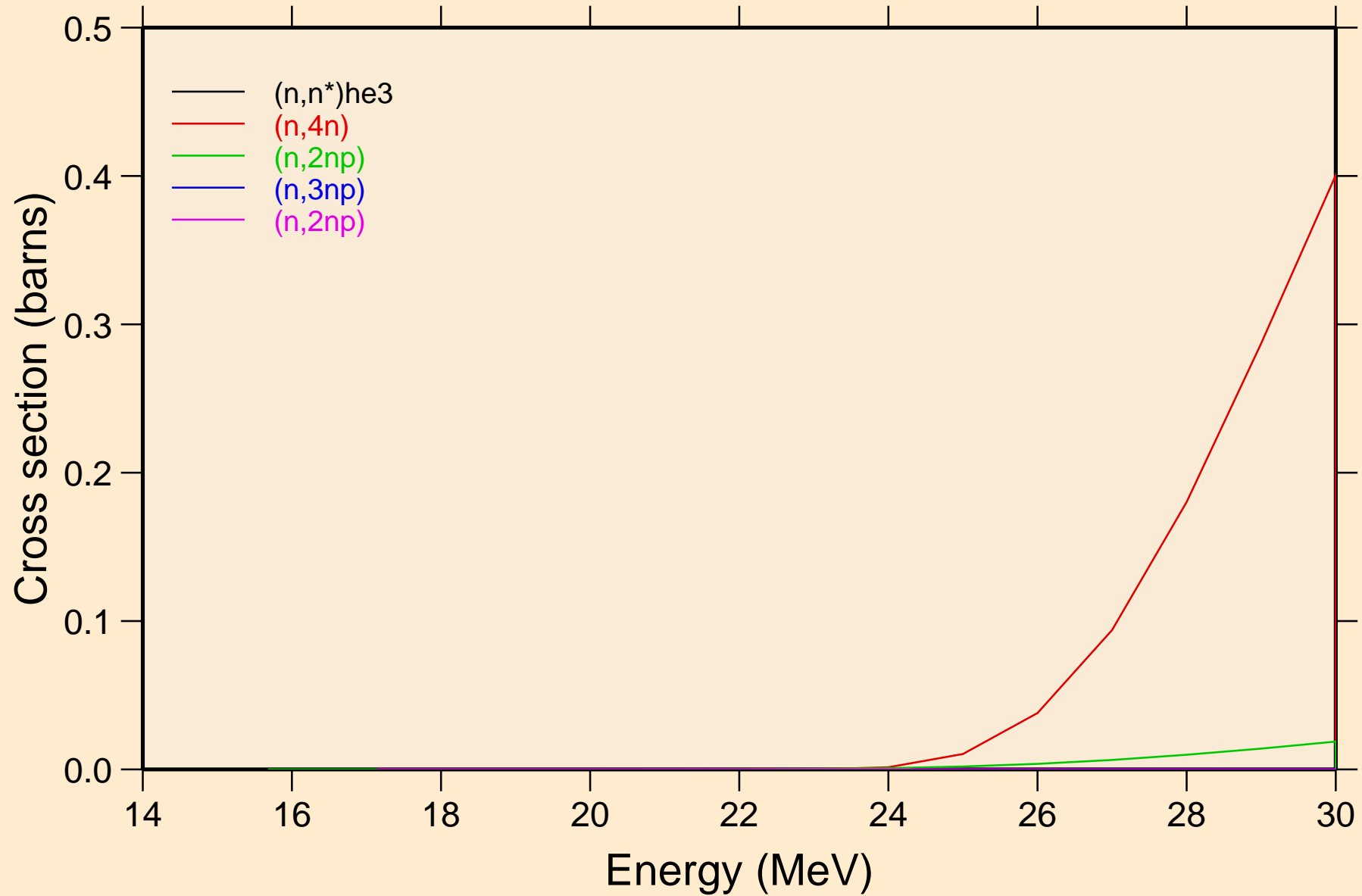


XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



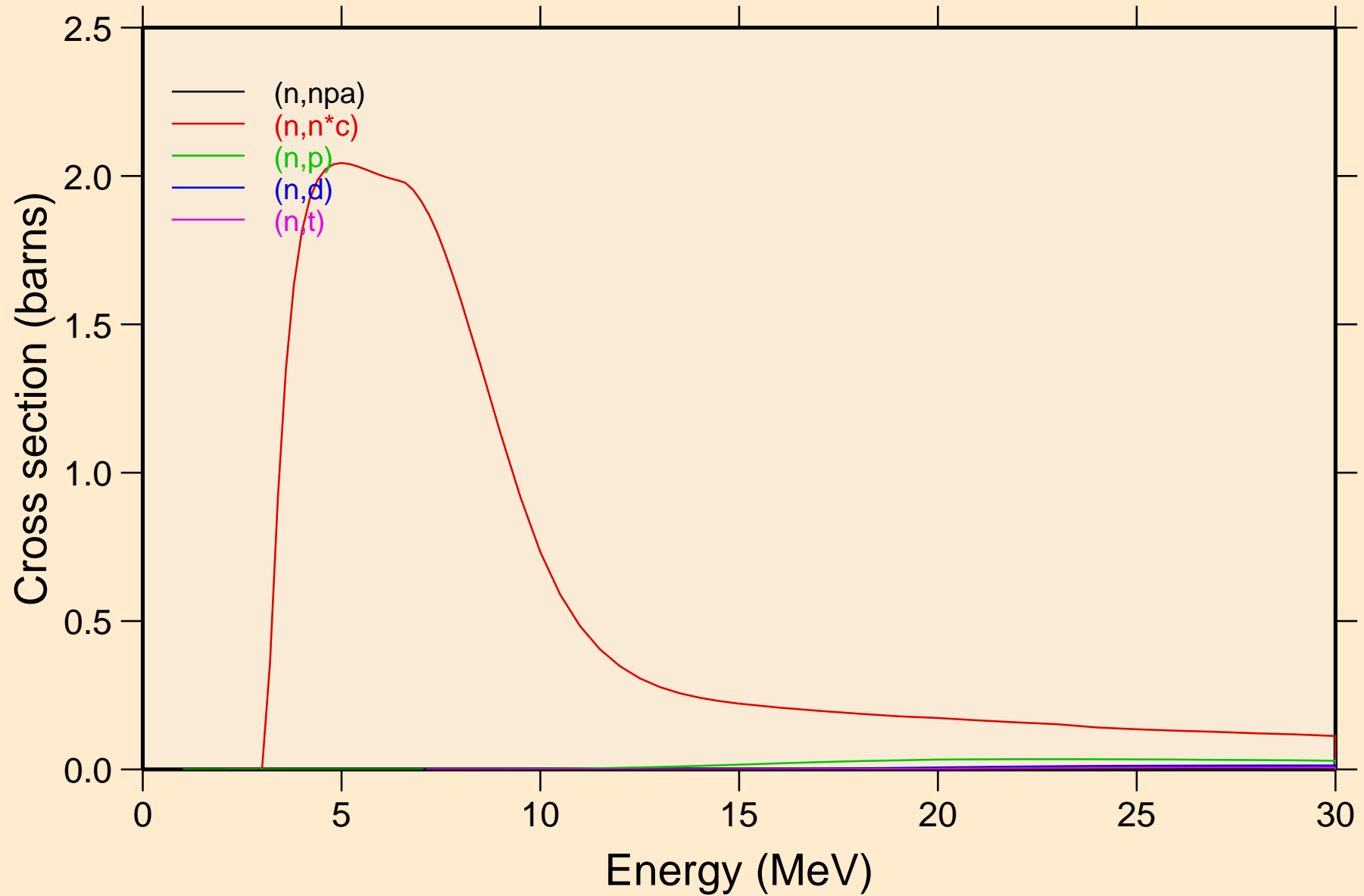


XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



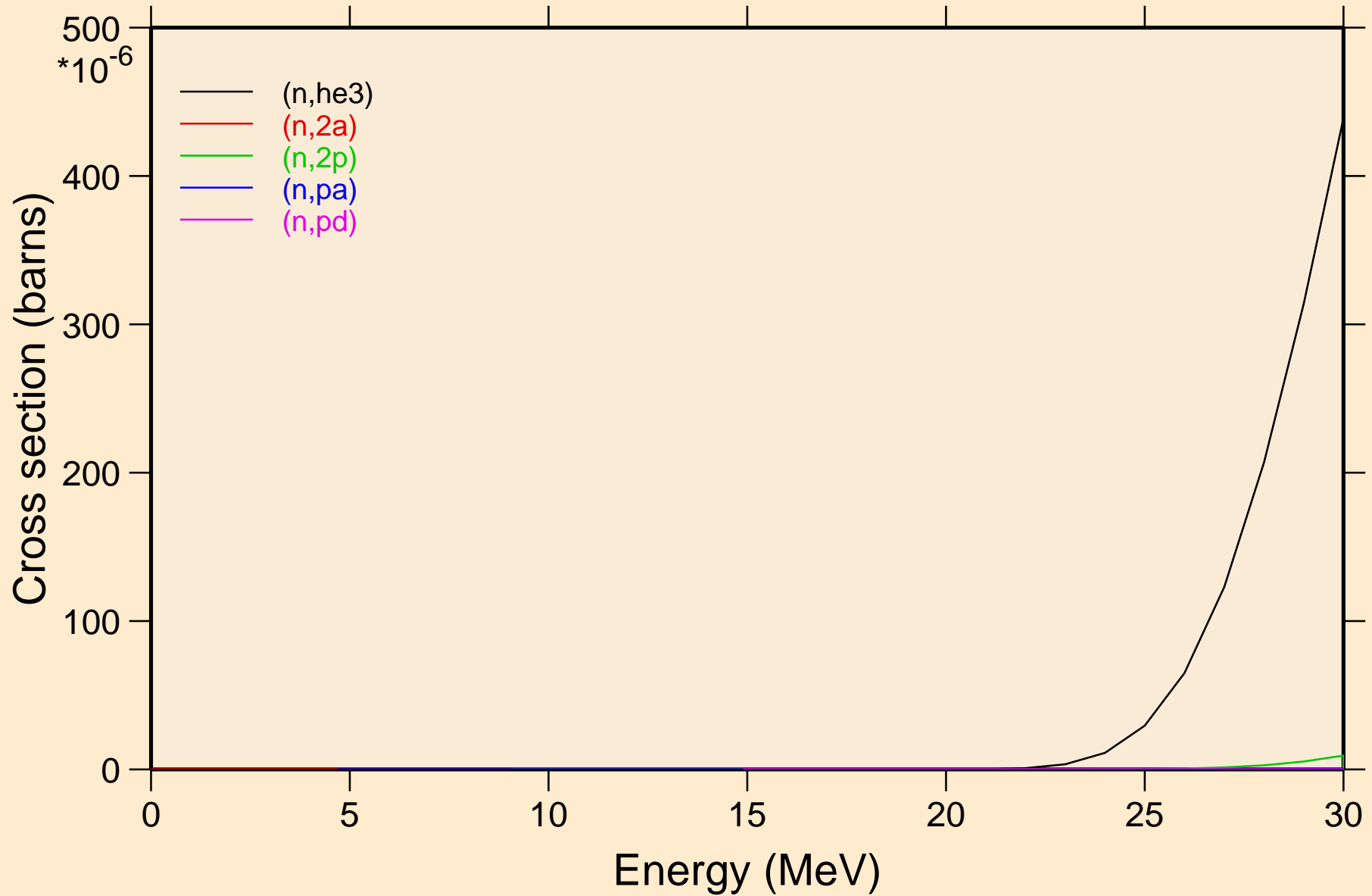
# XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Threshold reactions

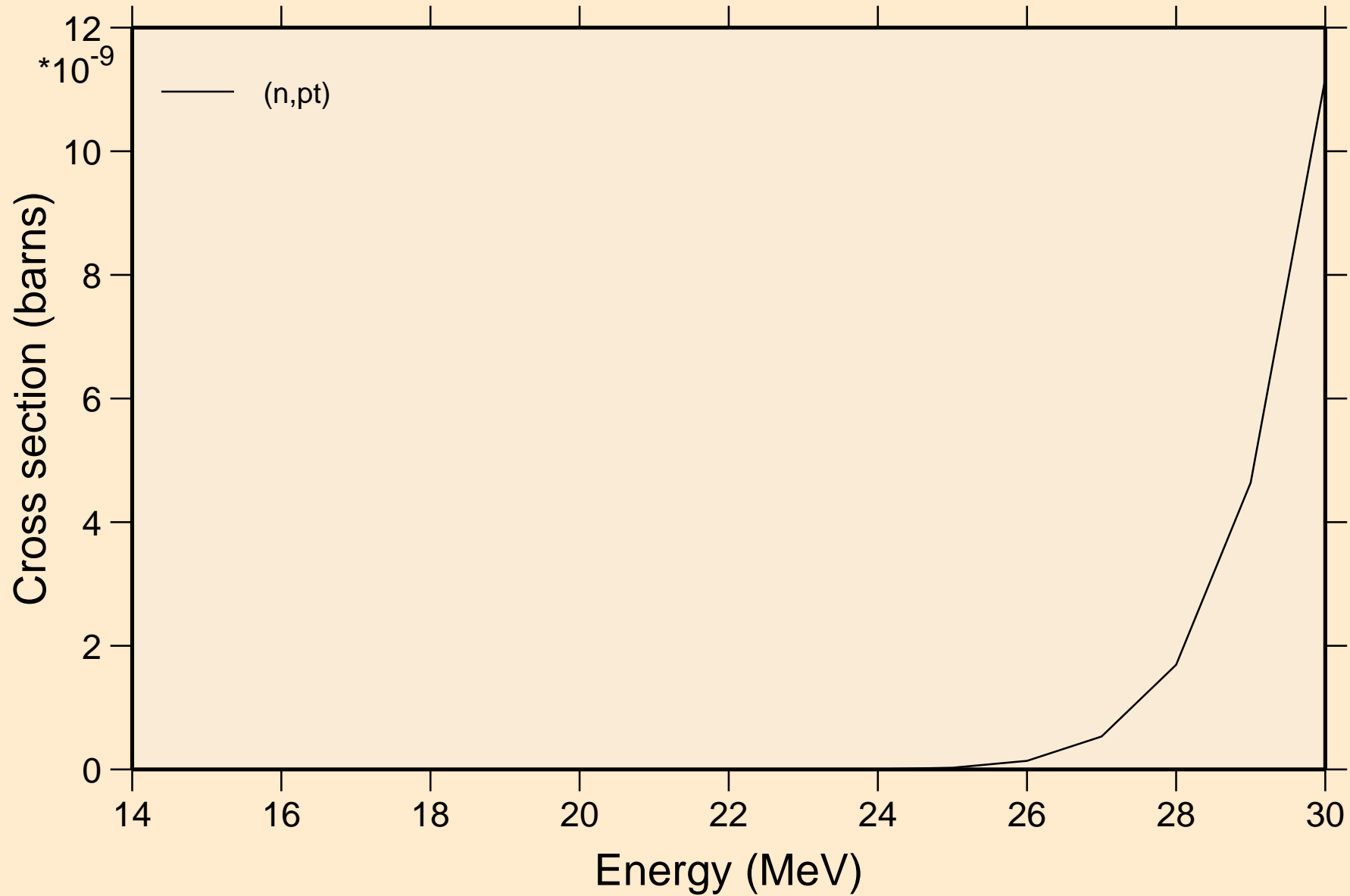


# XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

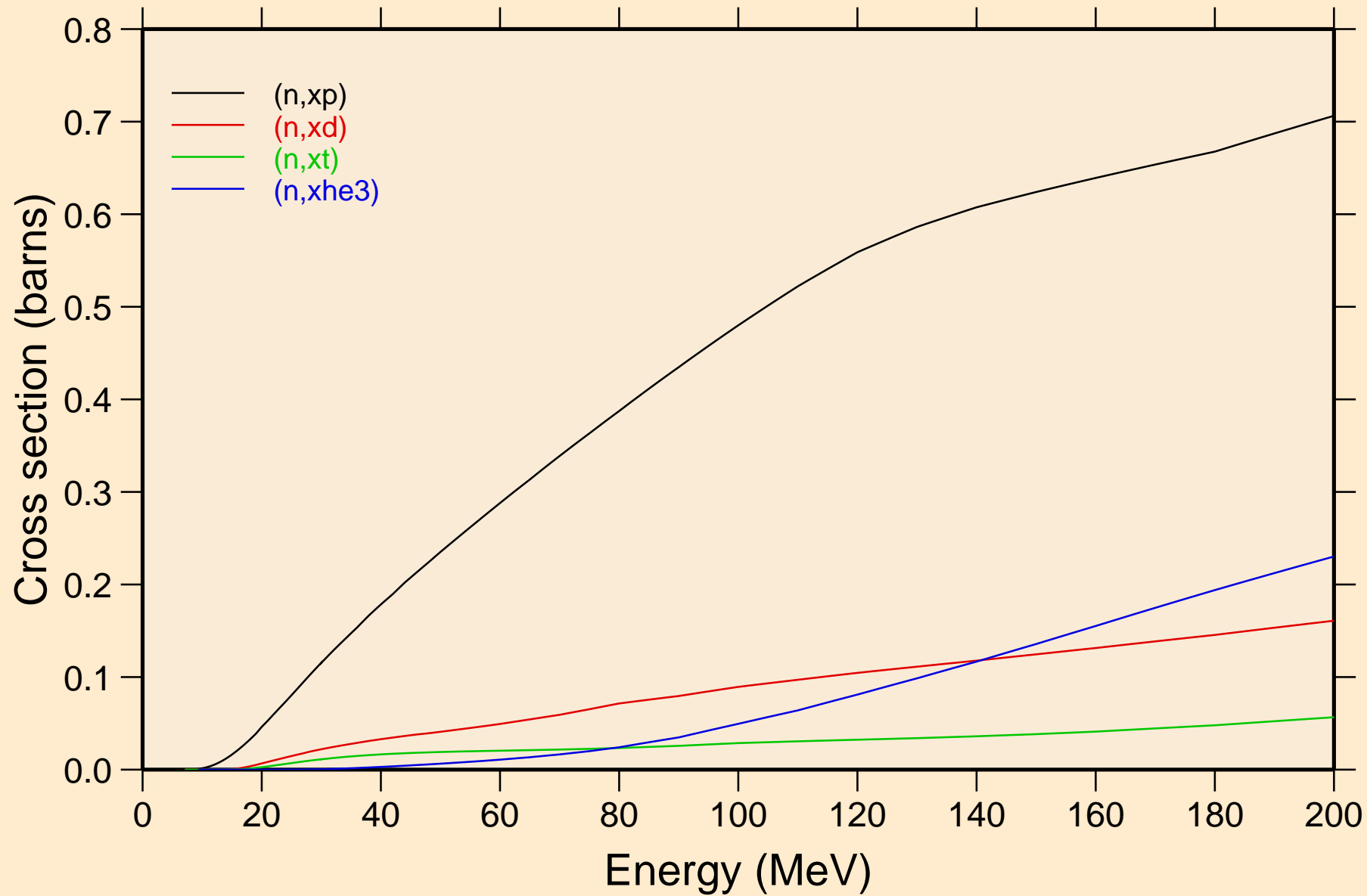
## Threshold reactions



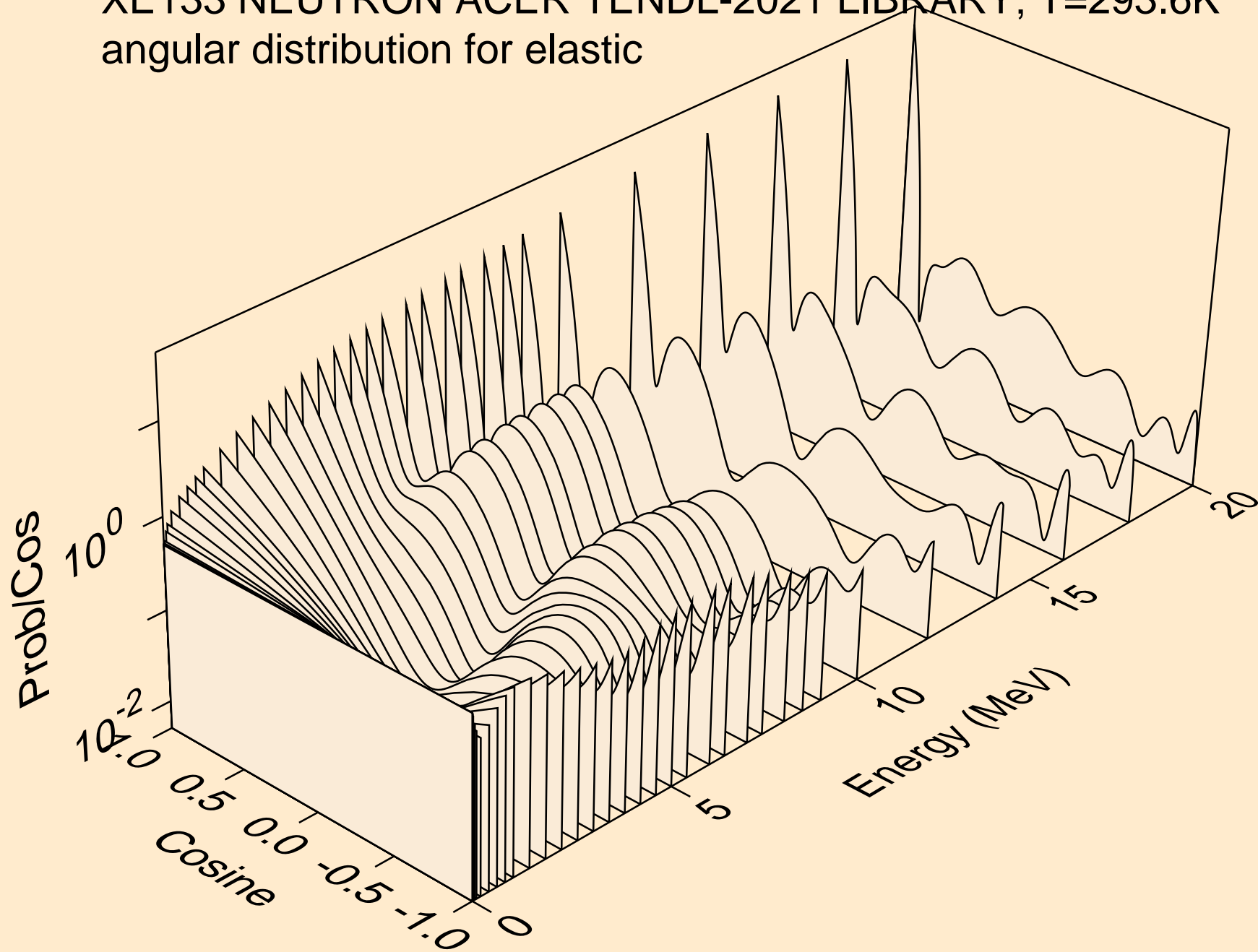
XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



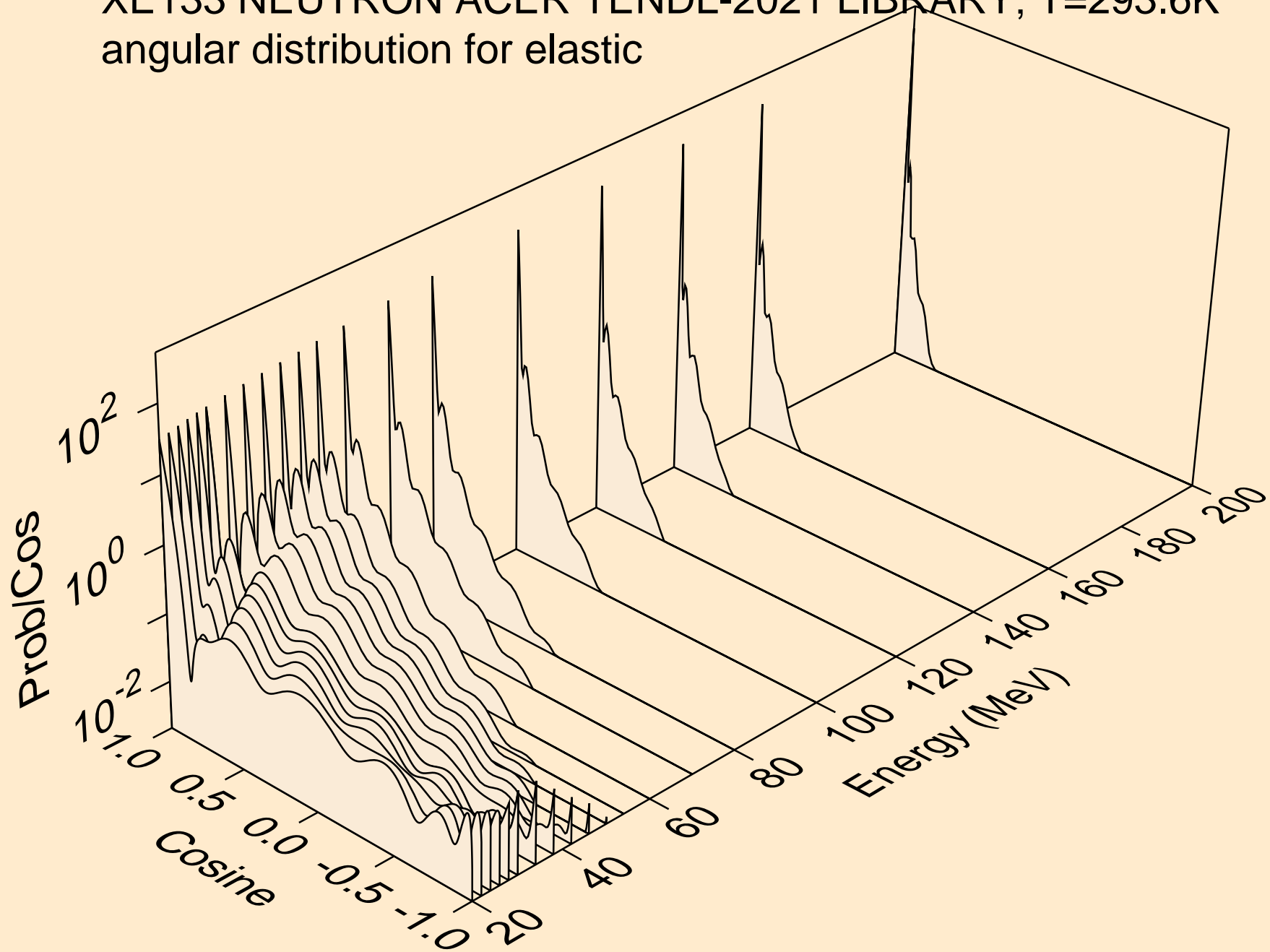
XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



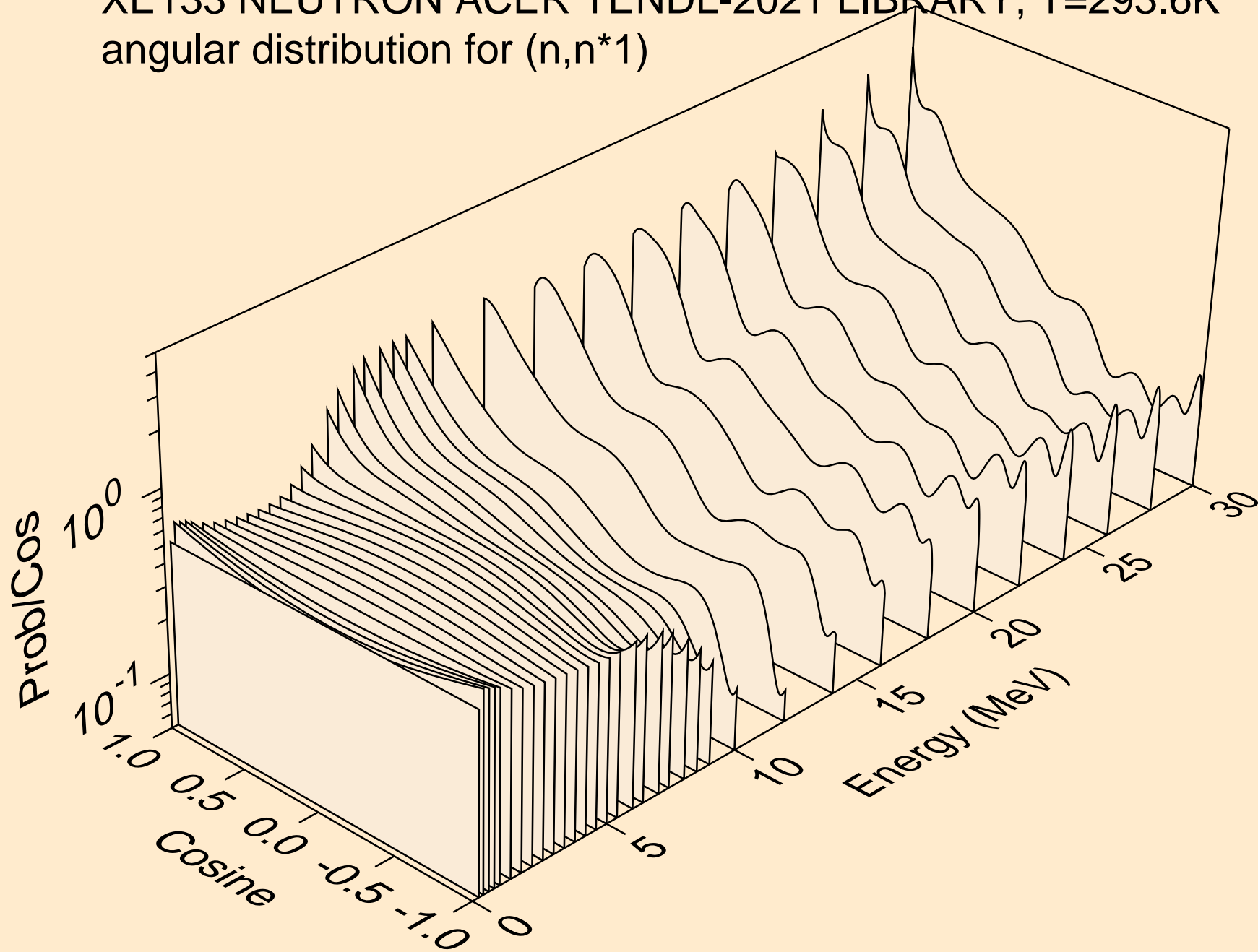
XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for elastic



XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for elastic

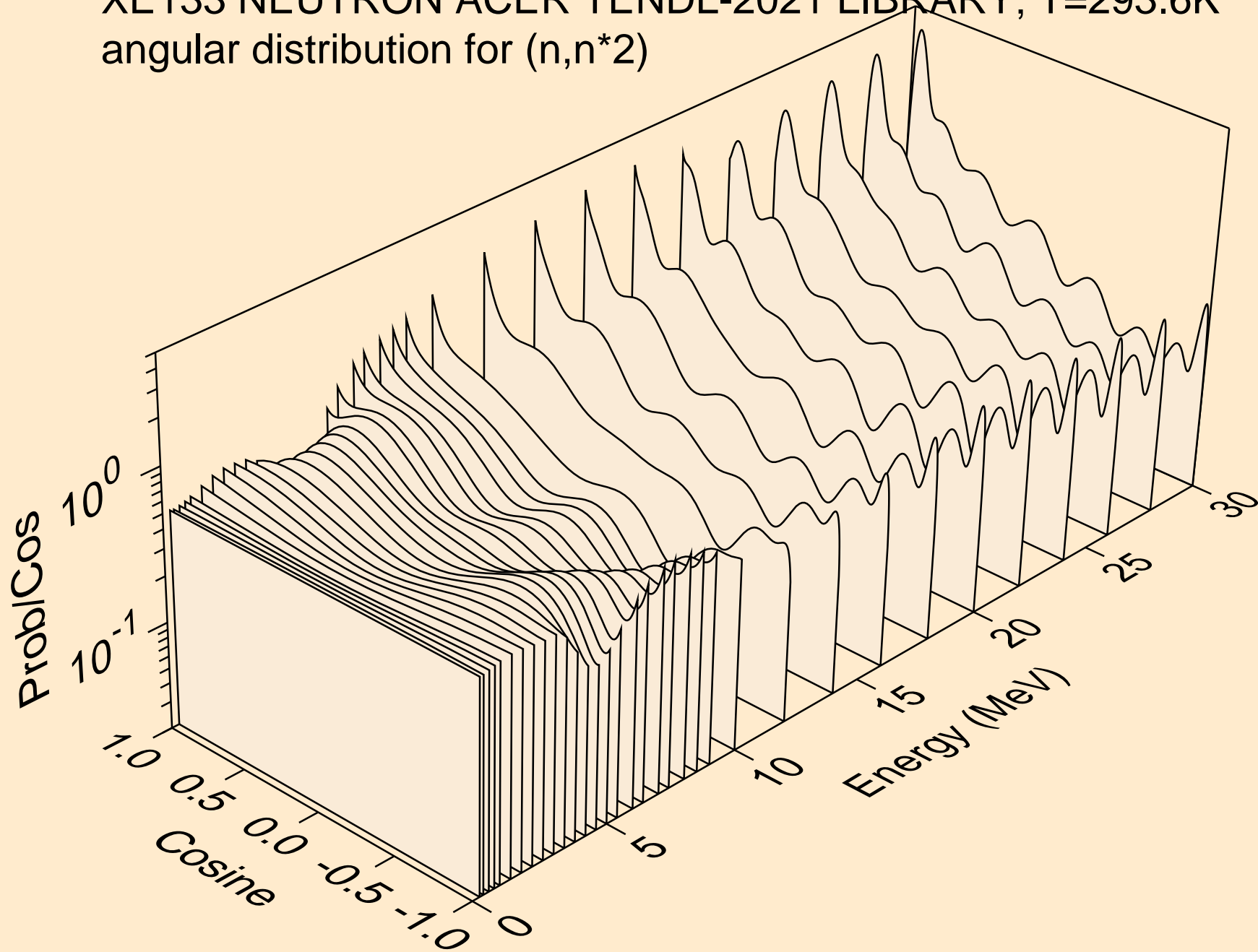


XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*1)

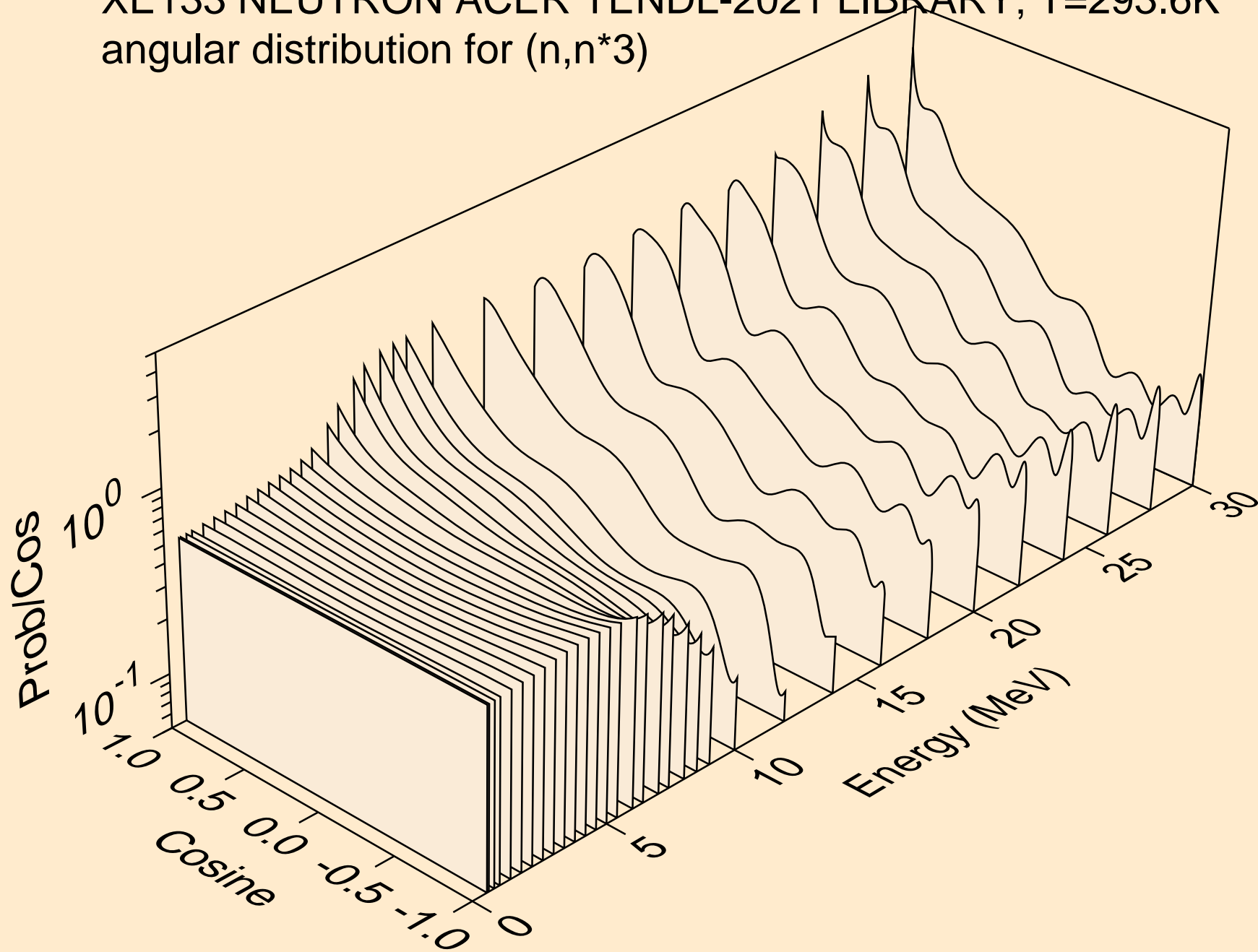




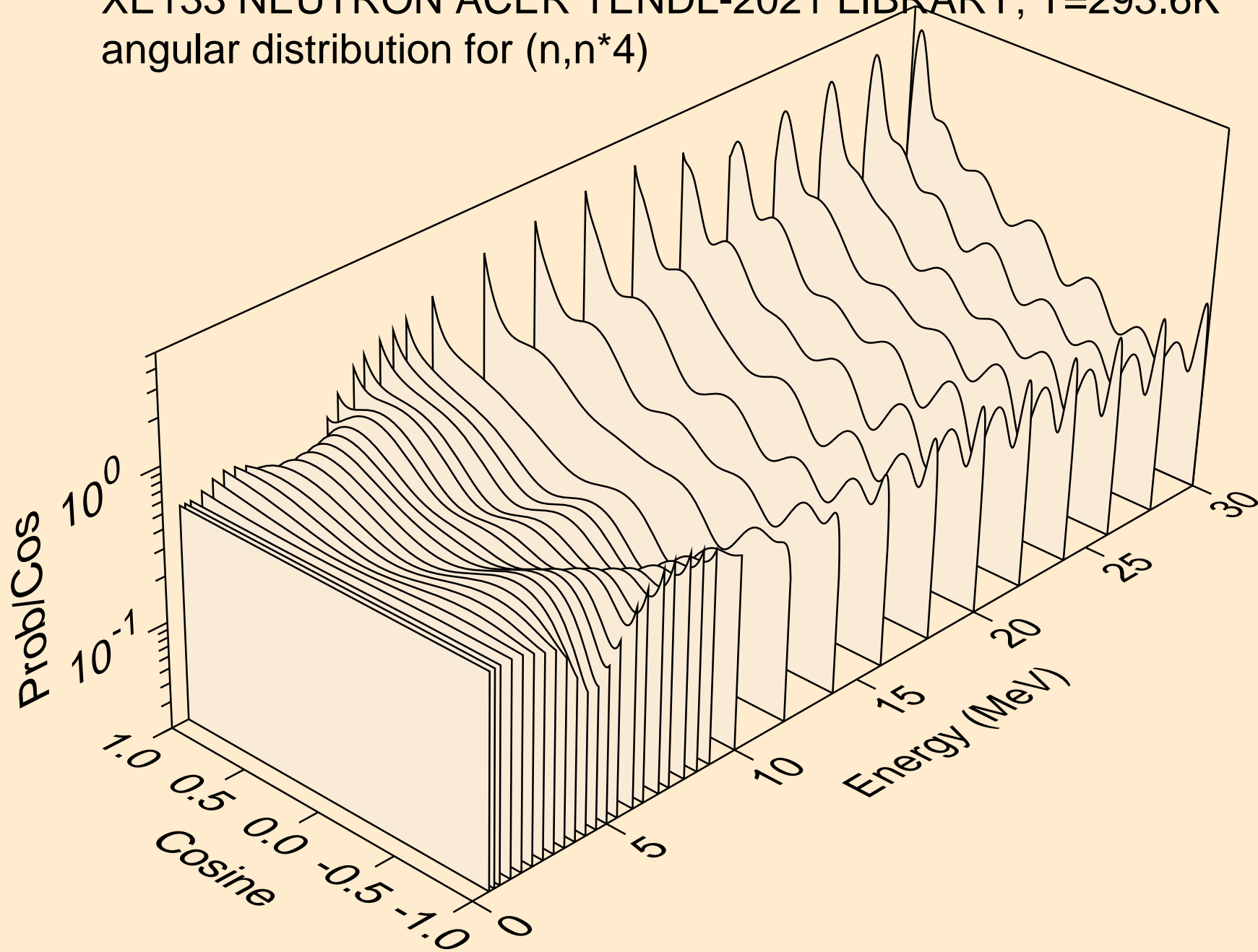
XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*2)



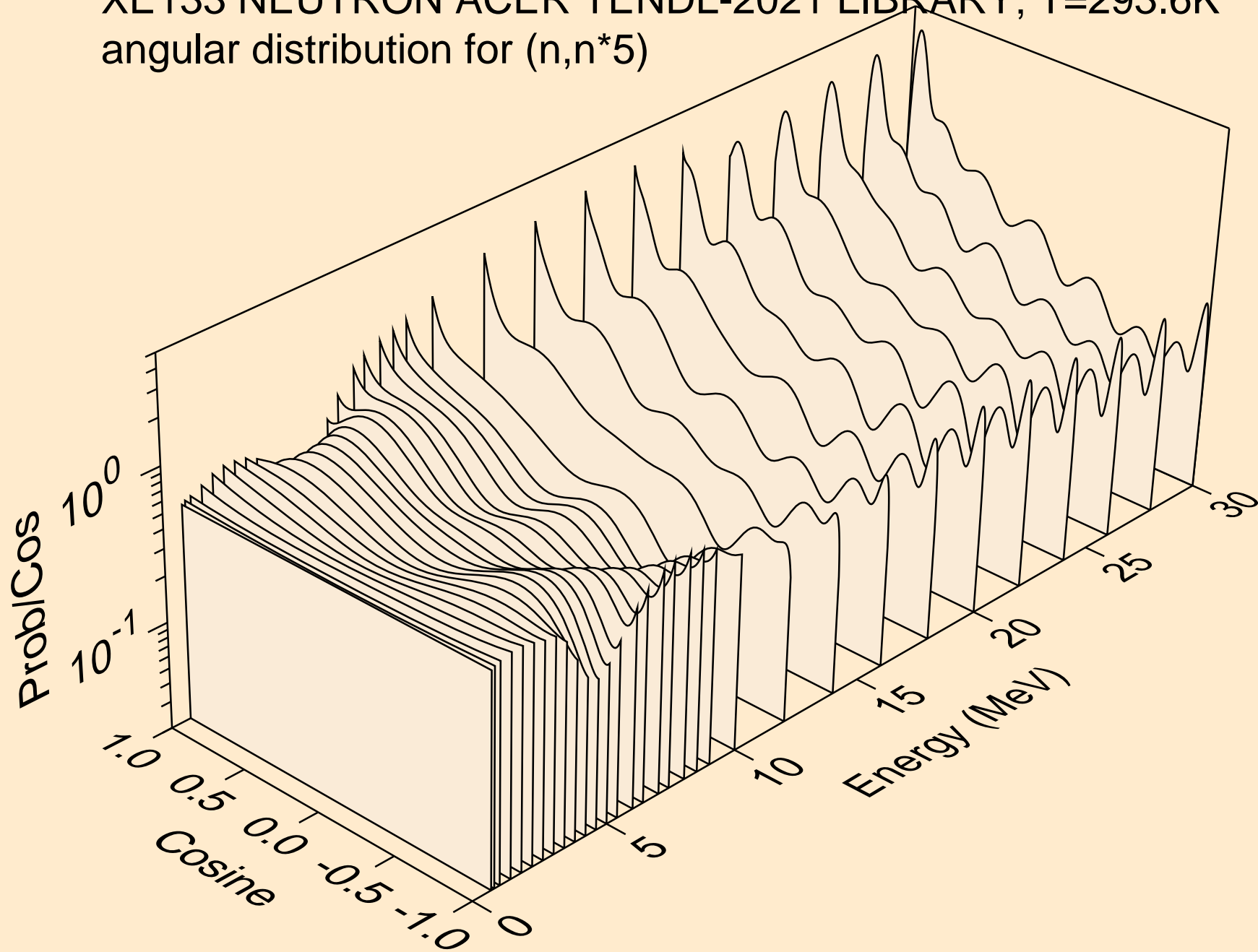
XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*3)



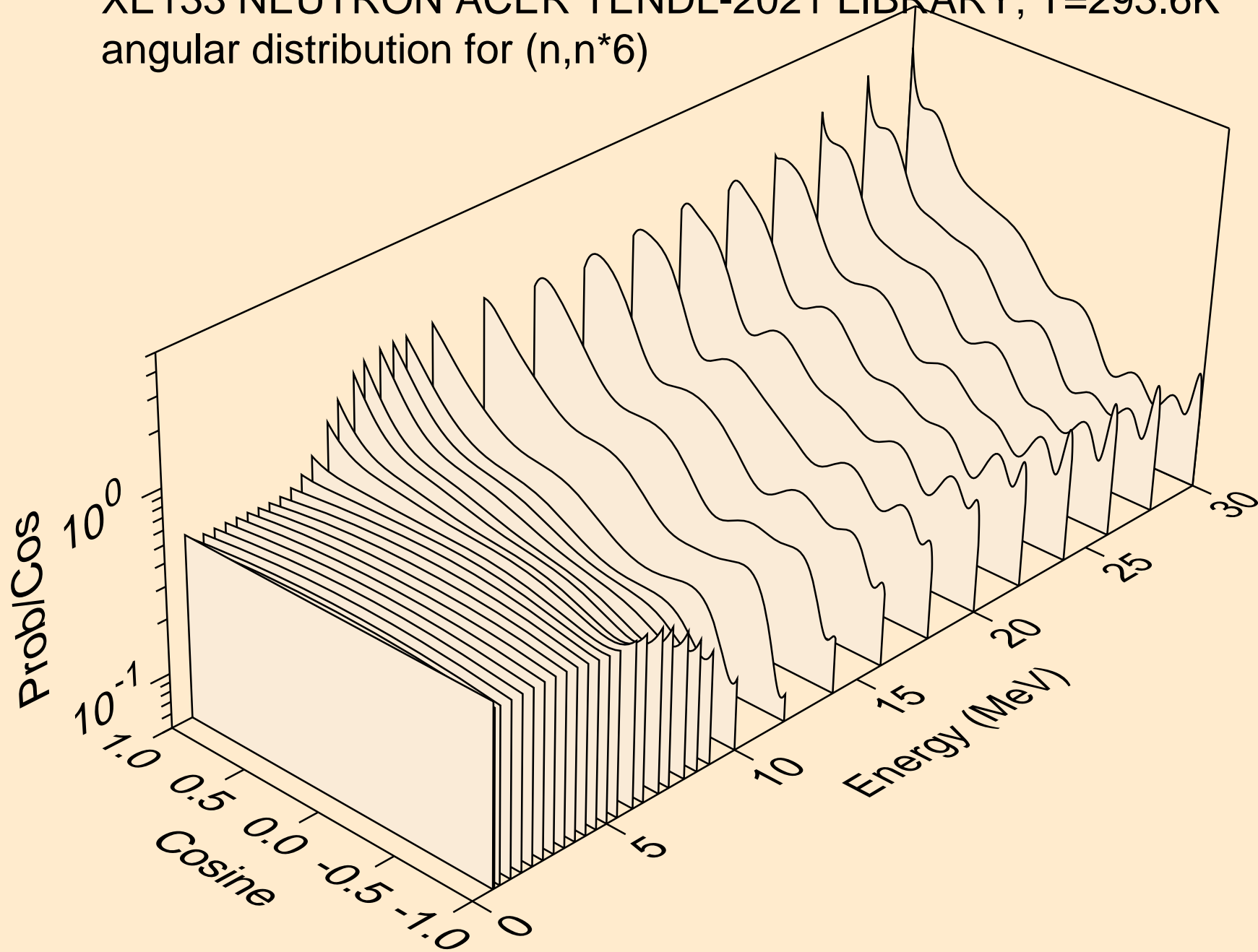
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angular distribution for (n,n\*4)



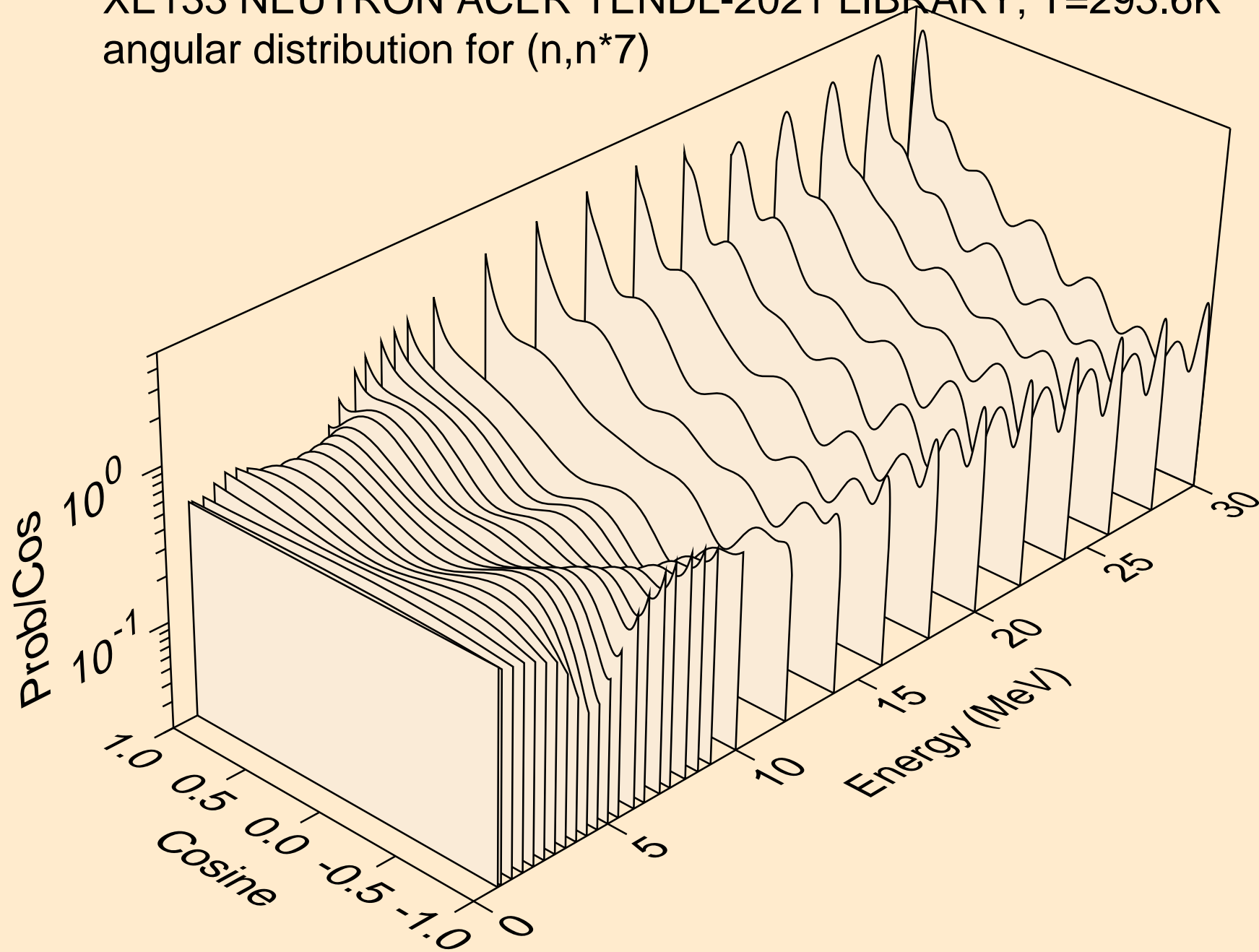
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angular distribution for (n,n\*5)



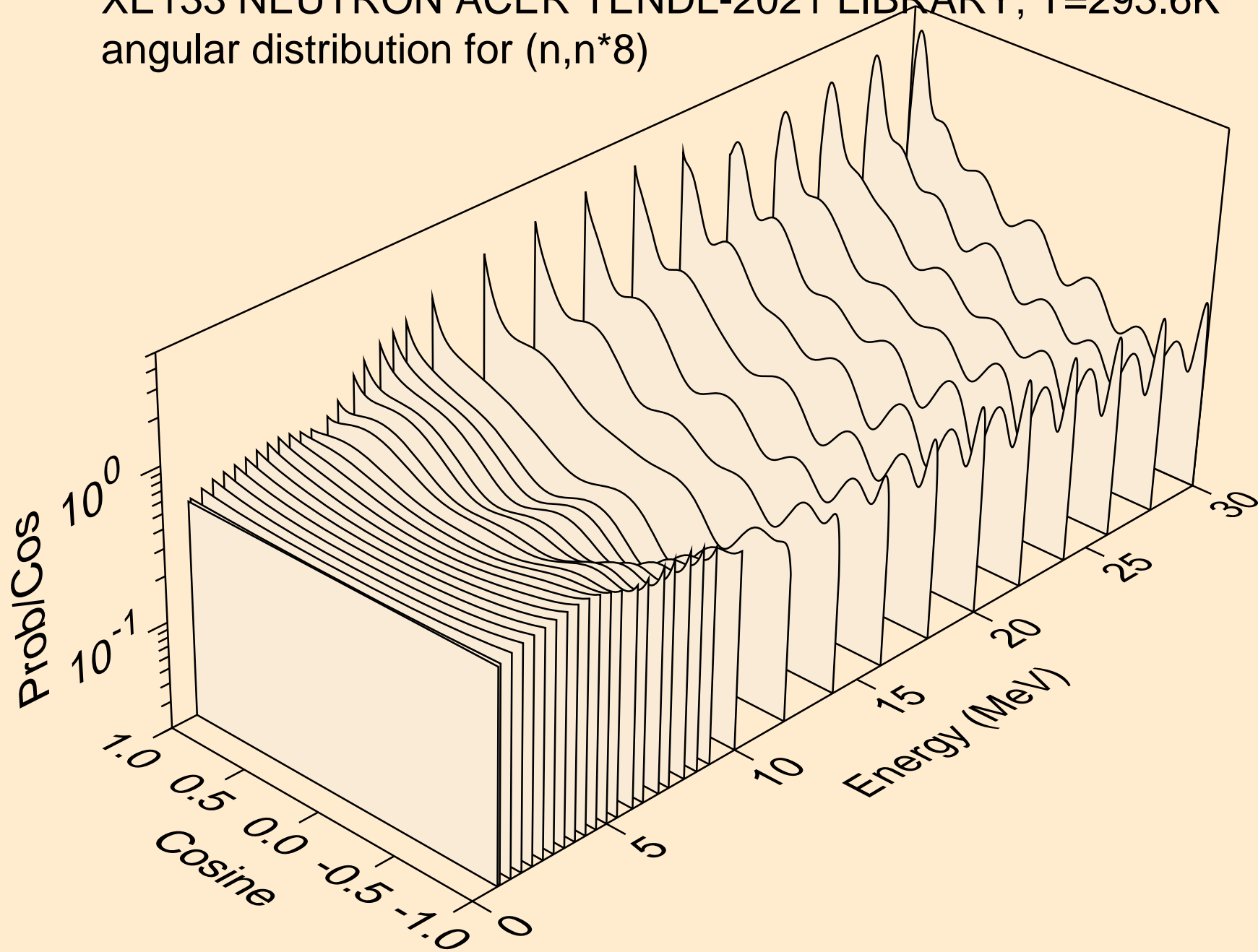
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angular distribution for (n,n\*6)



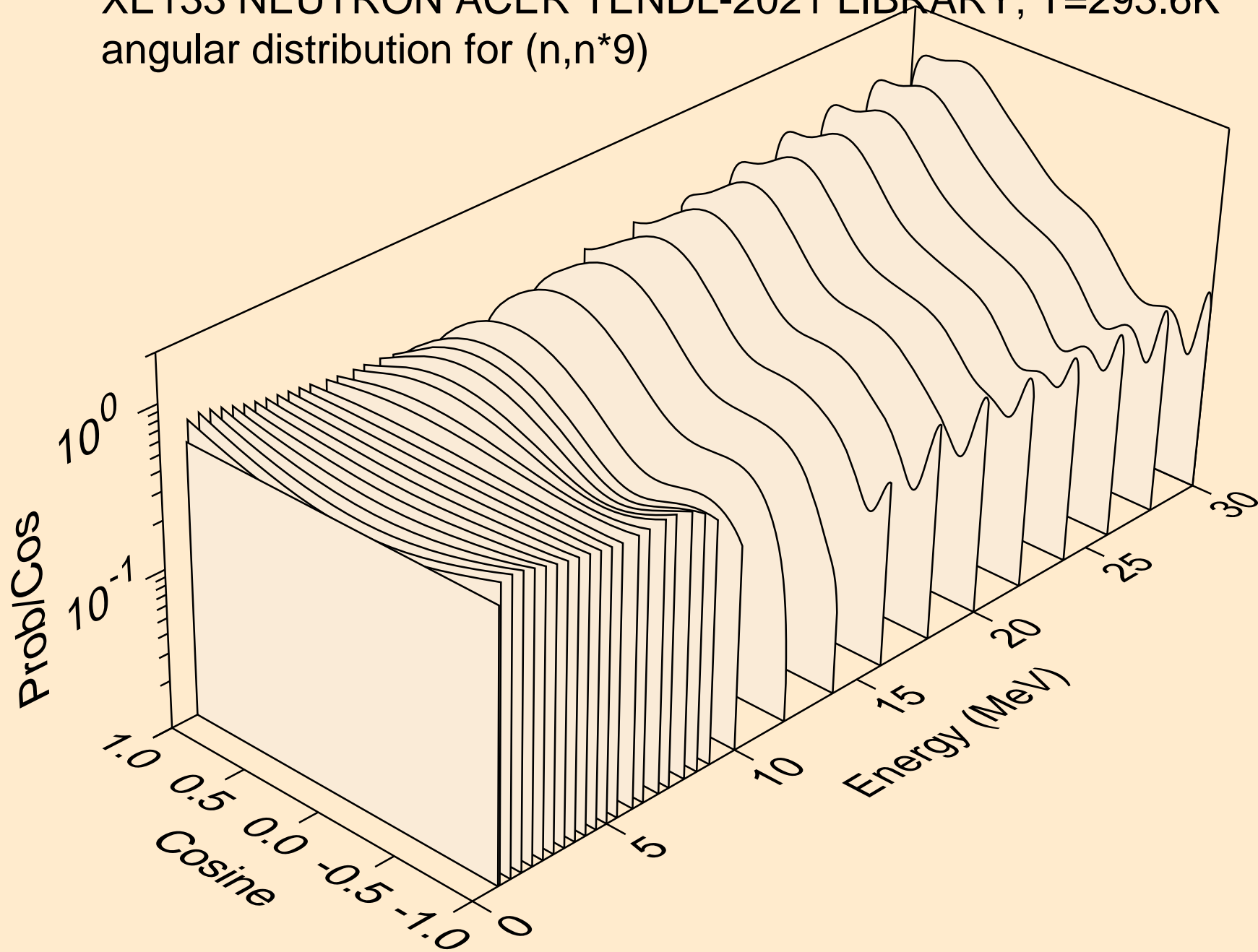
XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*7)



XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*8)

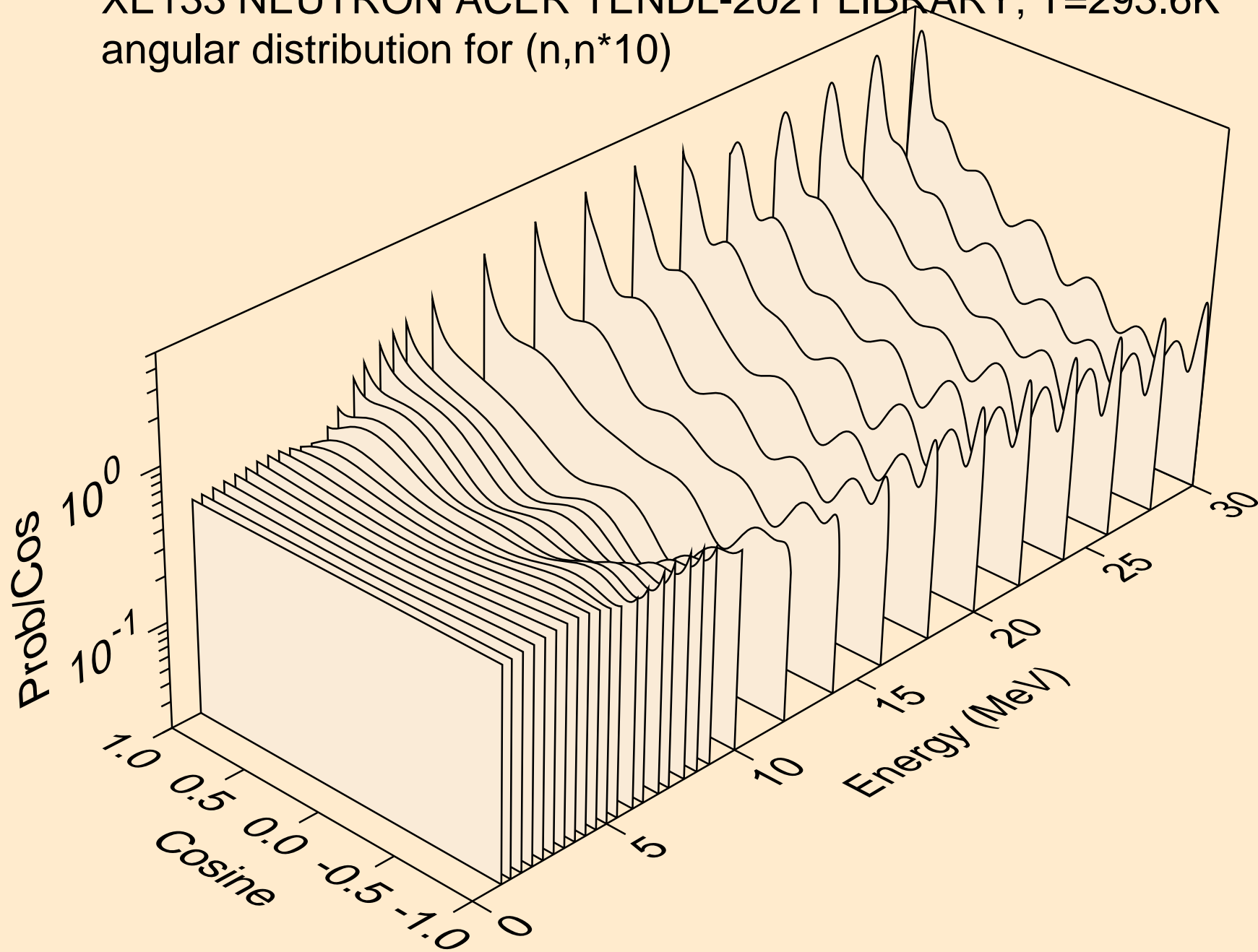


XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*9)

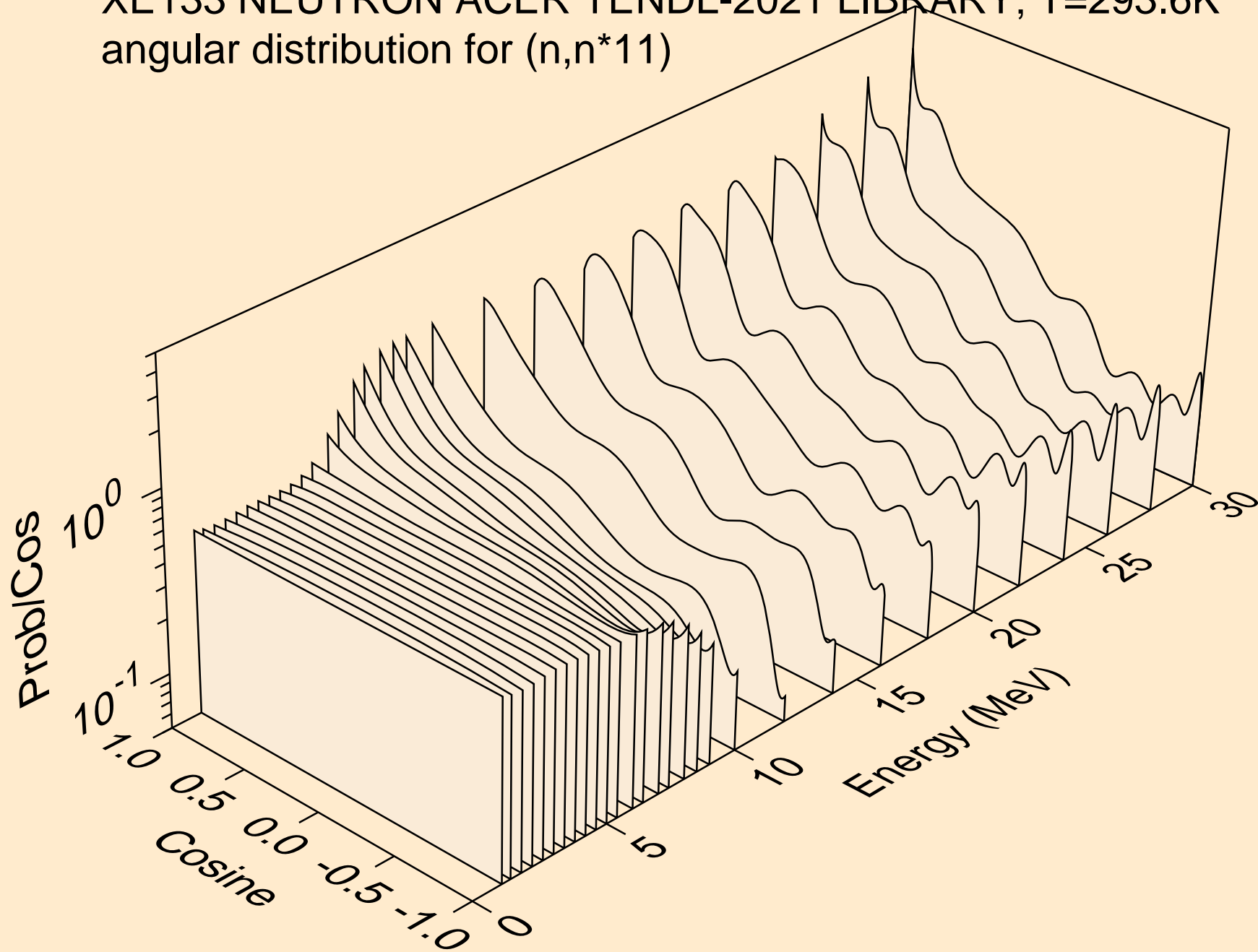




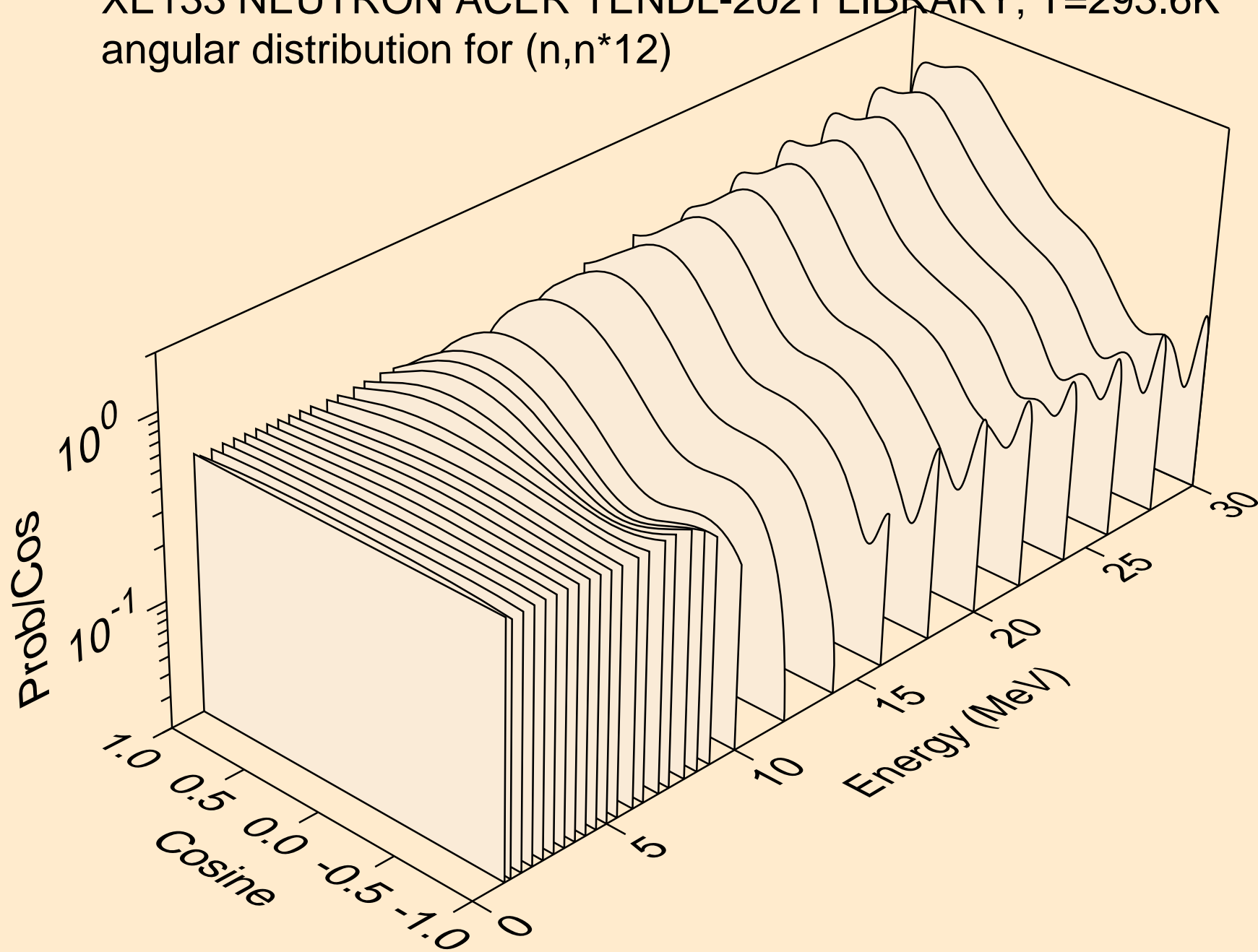
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angular distribution for (n,n\*10)



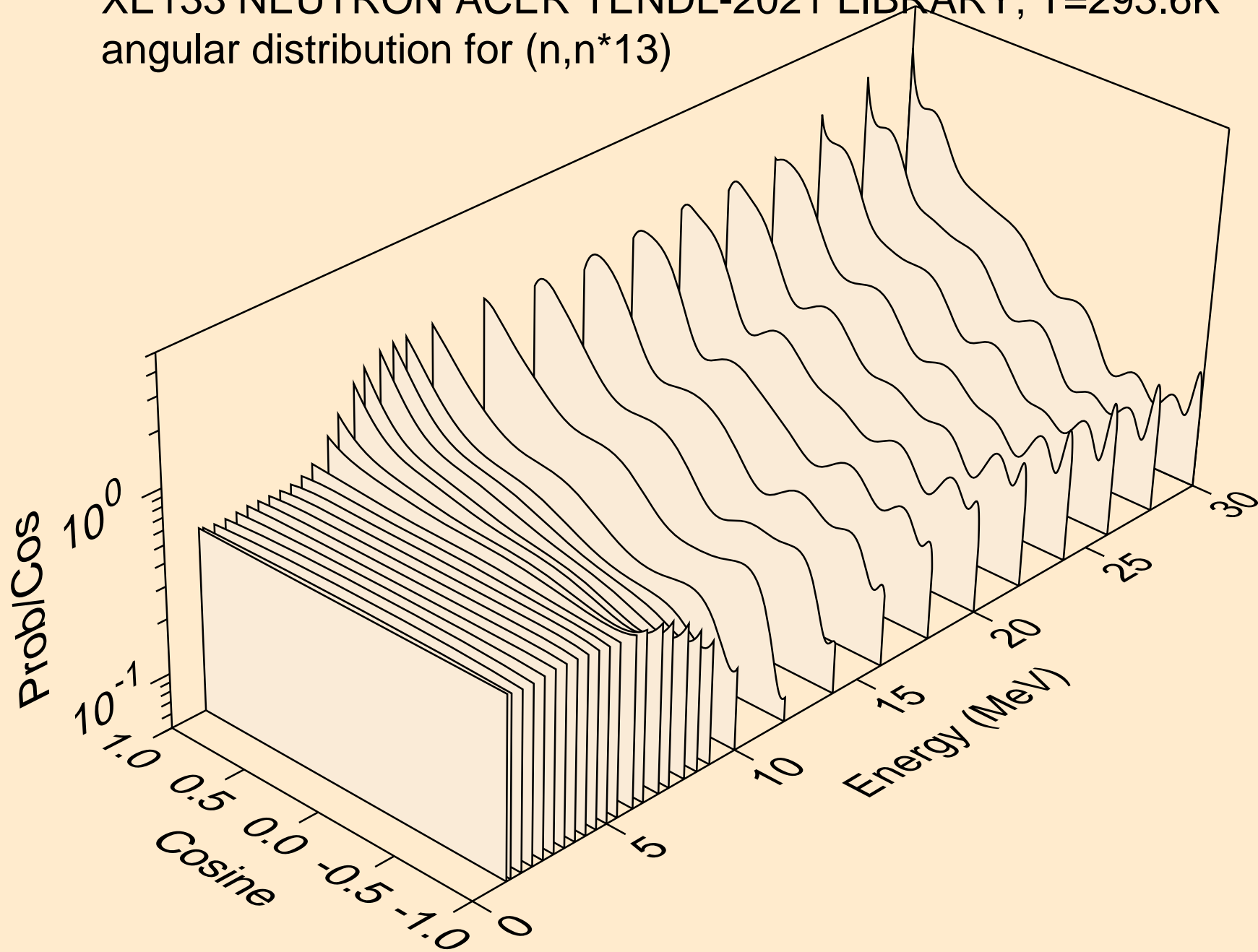
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angular distribution for (n,n\*11)



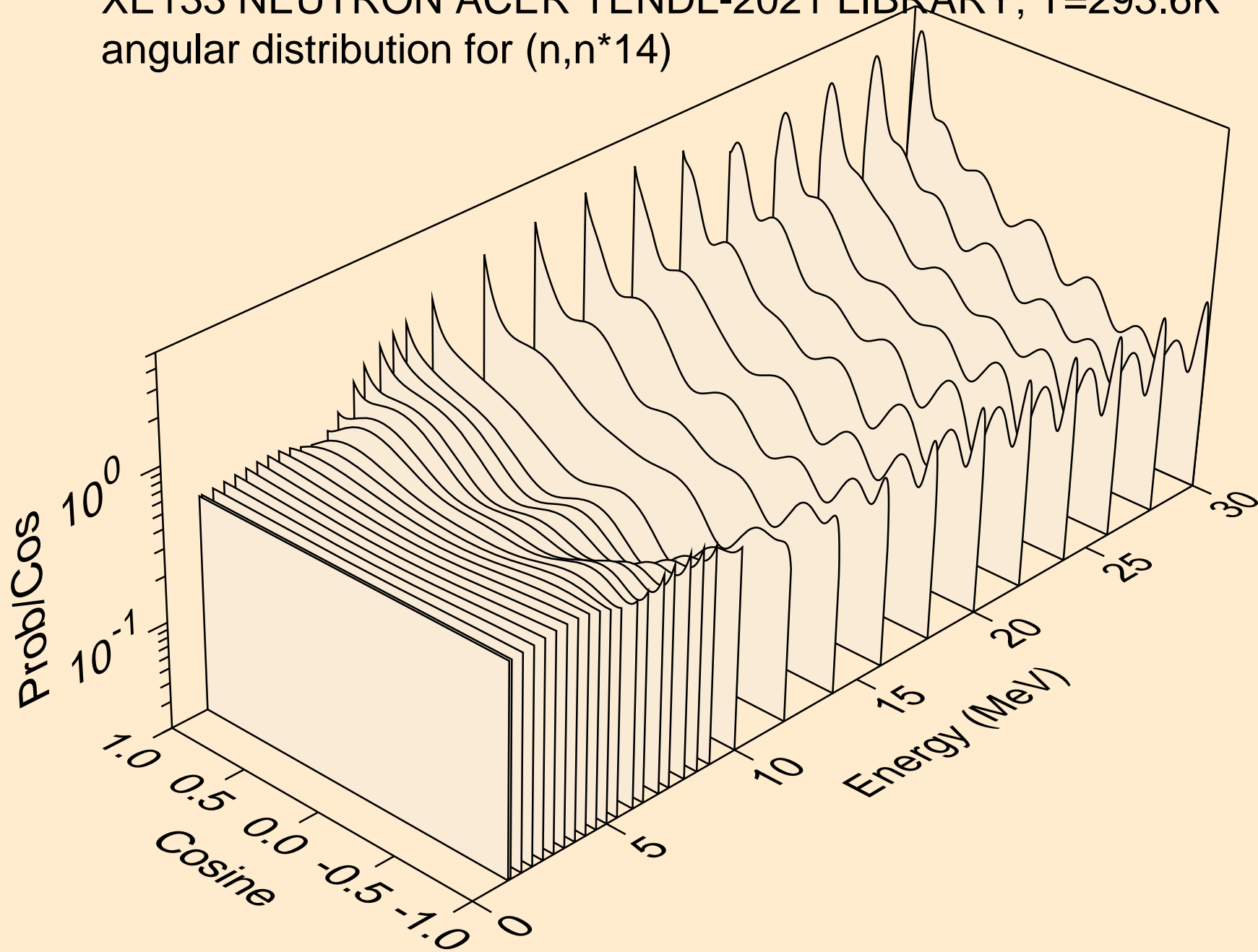
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angular distribution for (n,n\*12)



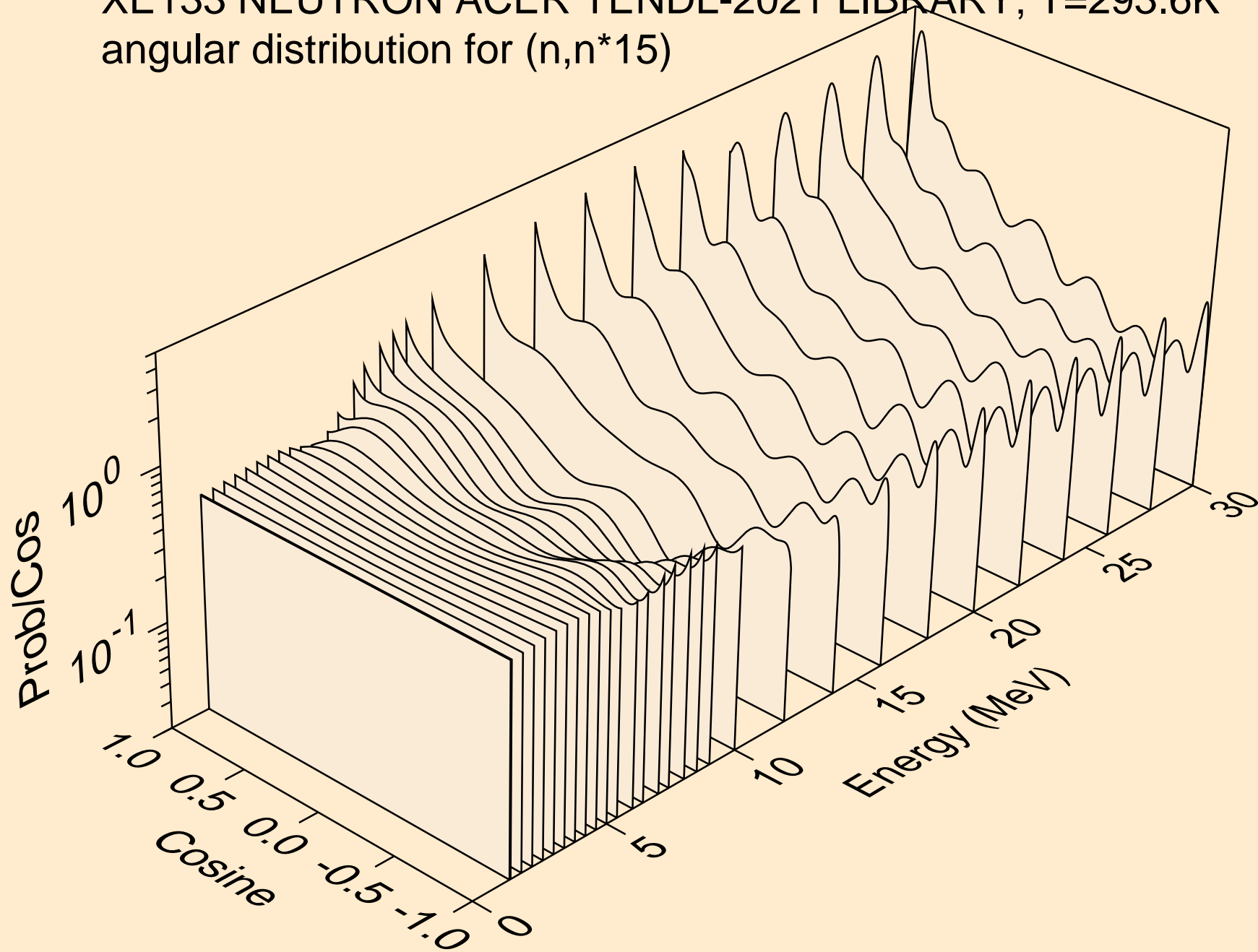
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angular distribution for (n,n\*13)



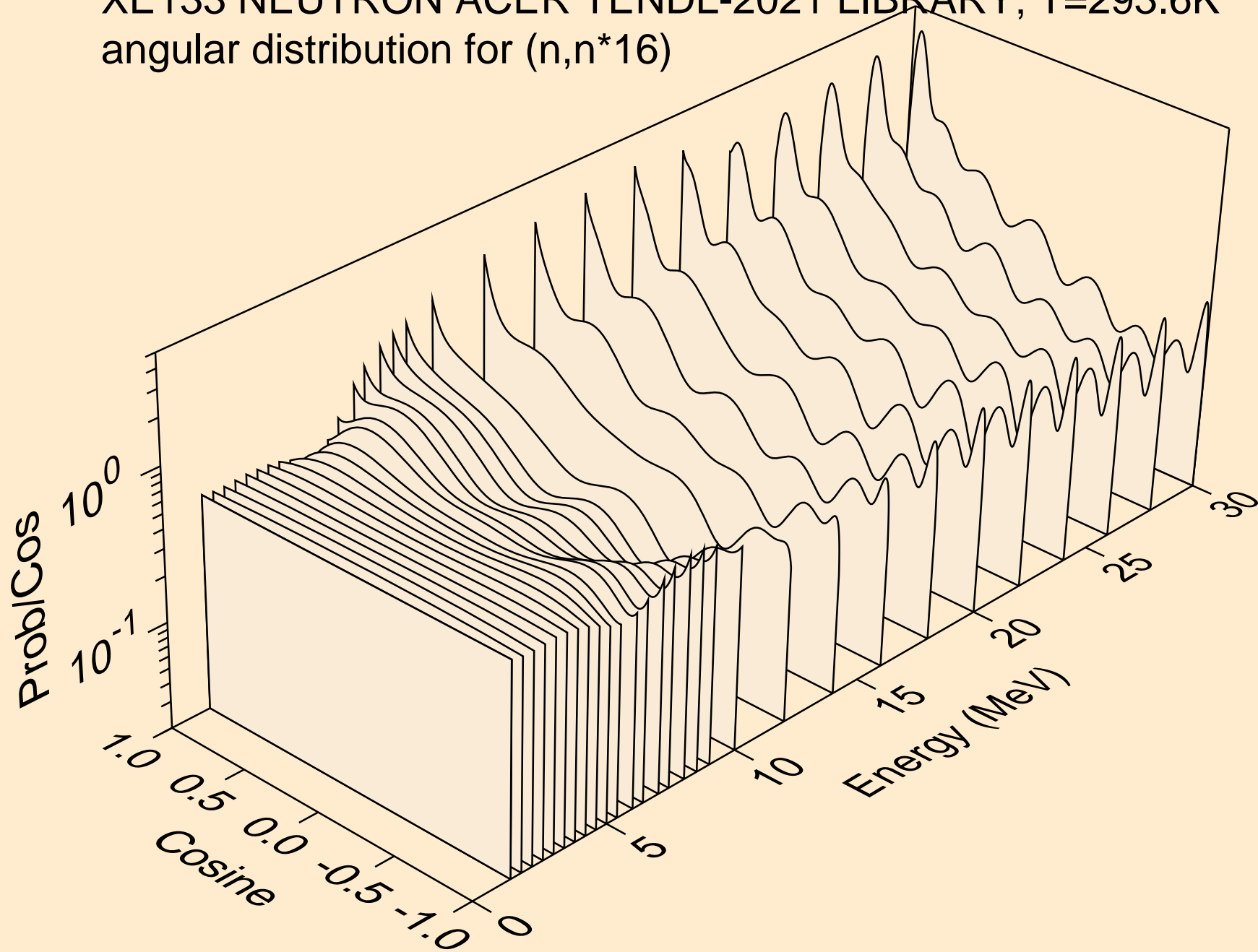
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angular distribution for (n,n\*14)



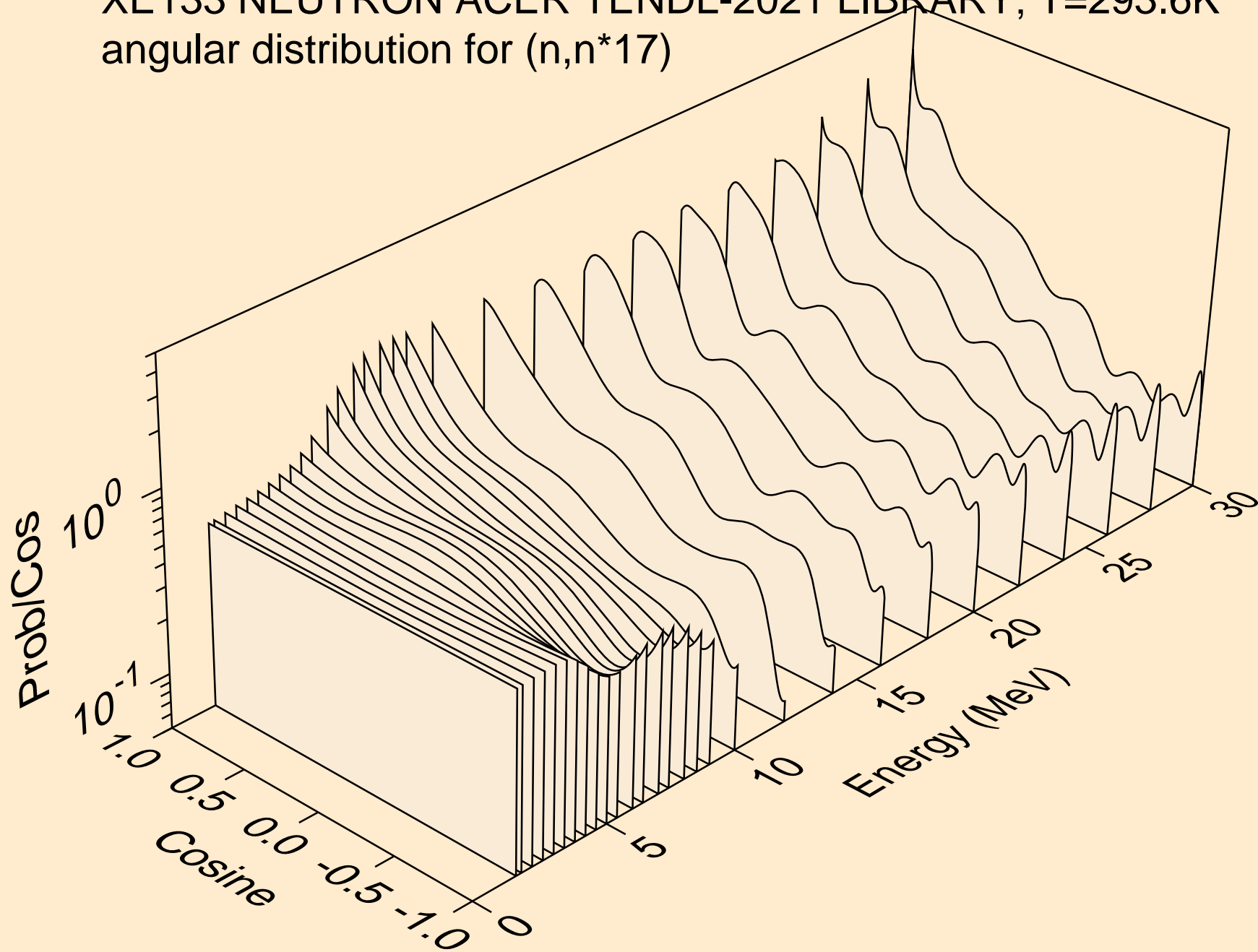
XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*15)



XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*16)

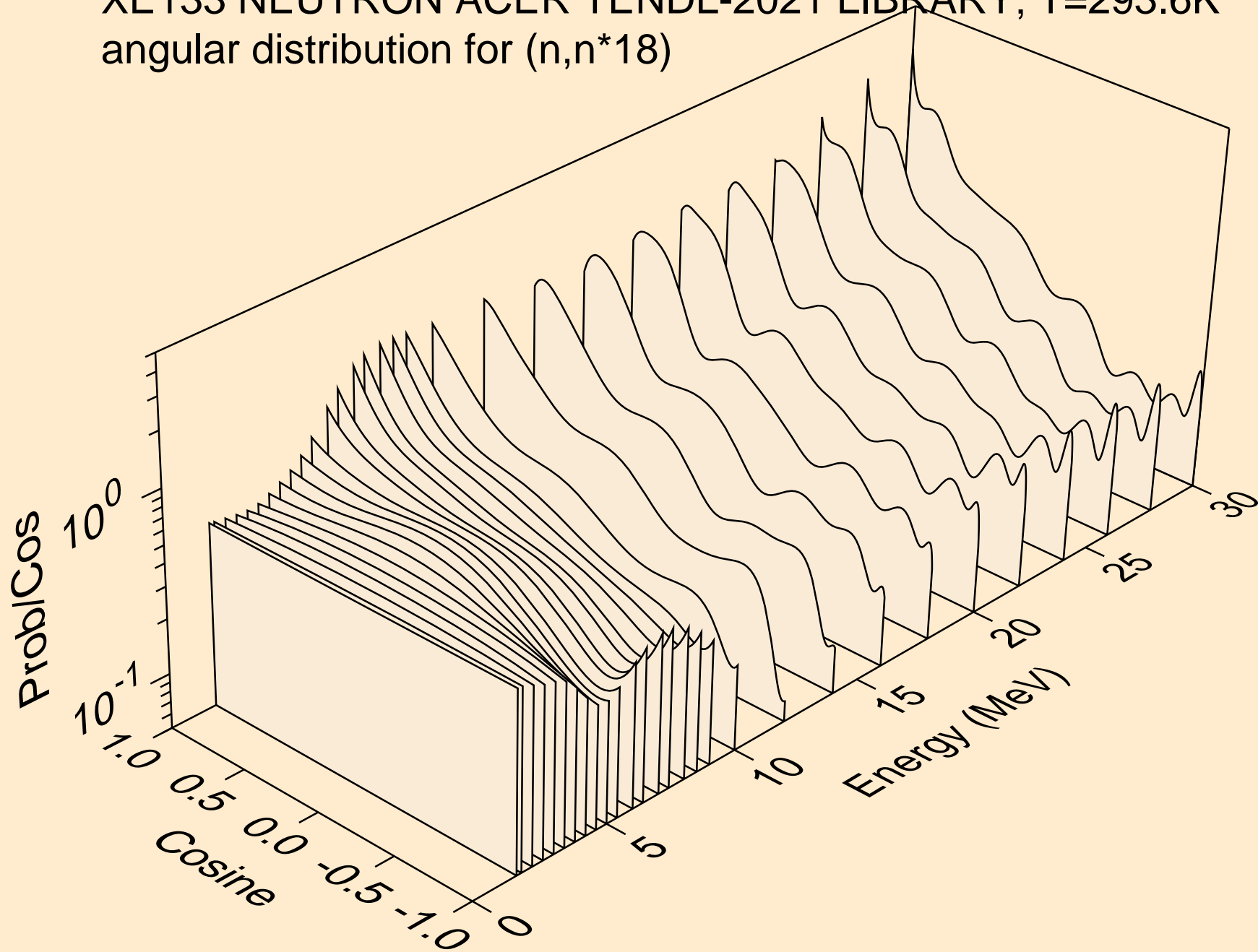


XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*17)

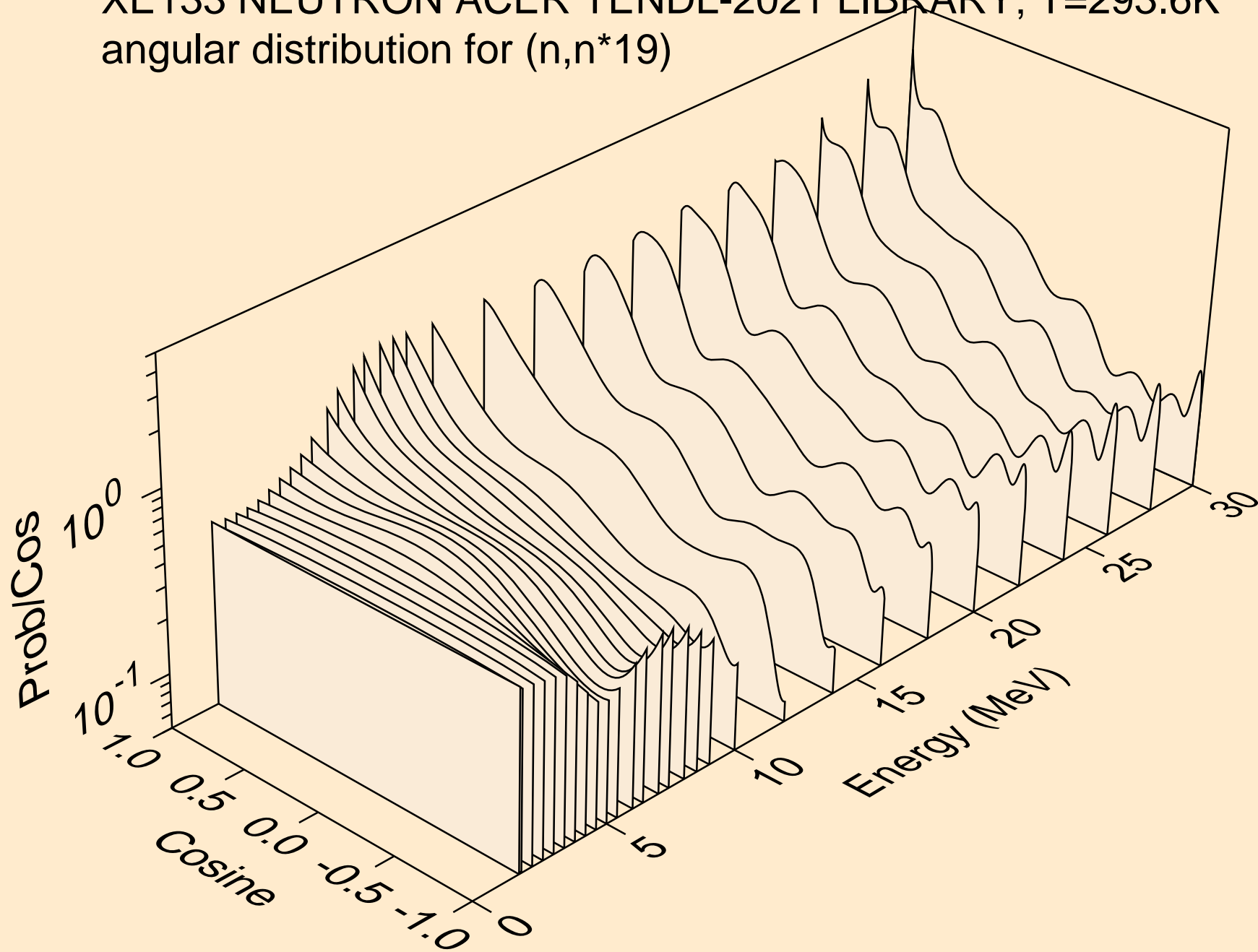




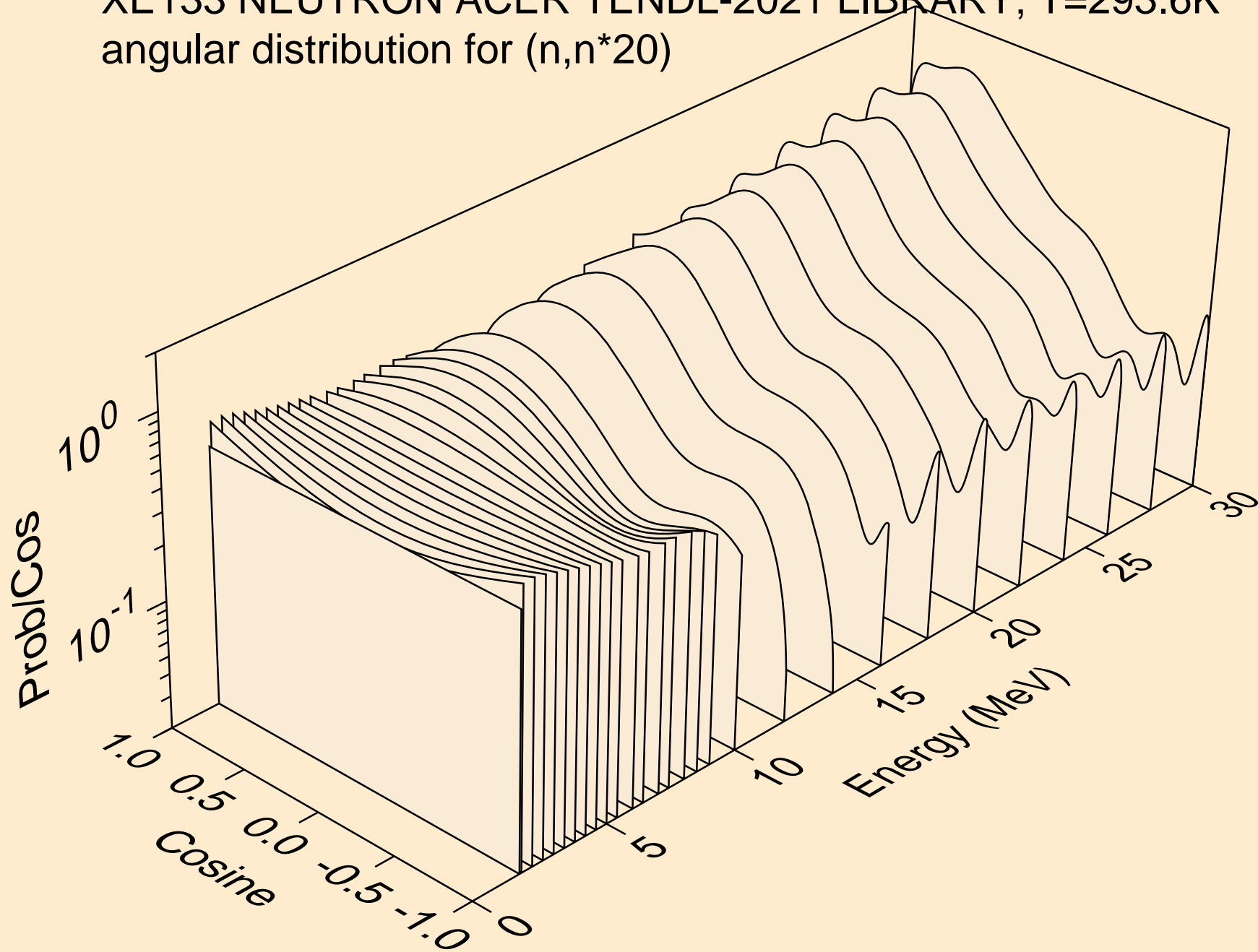
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angular distribution for (n,n\*18)



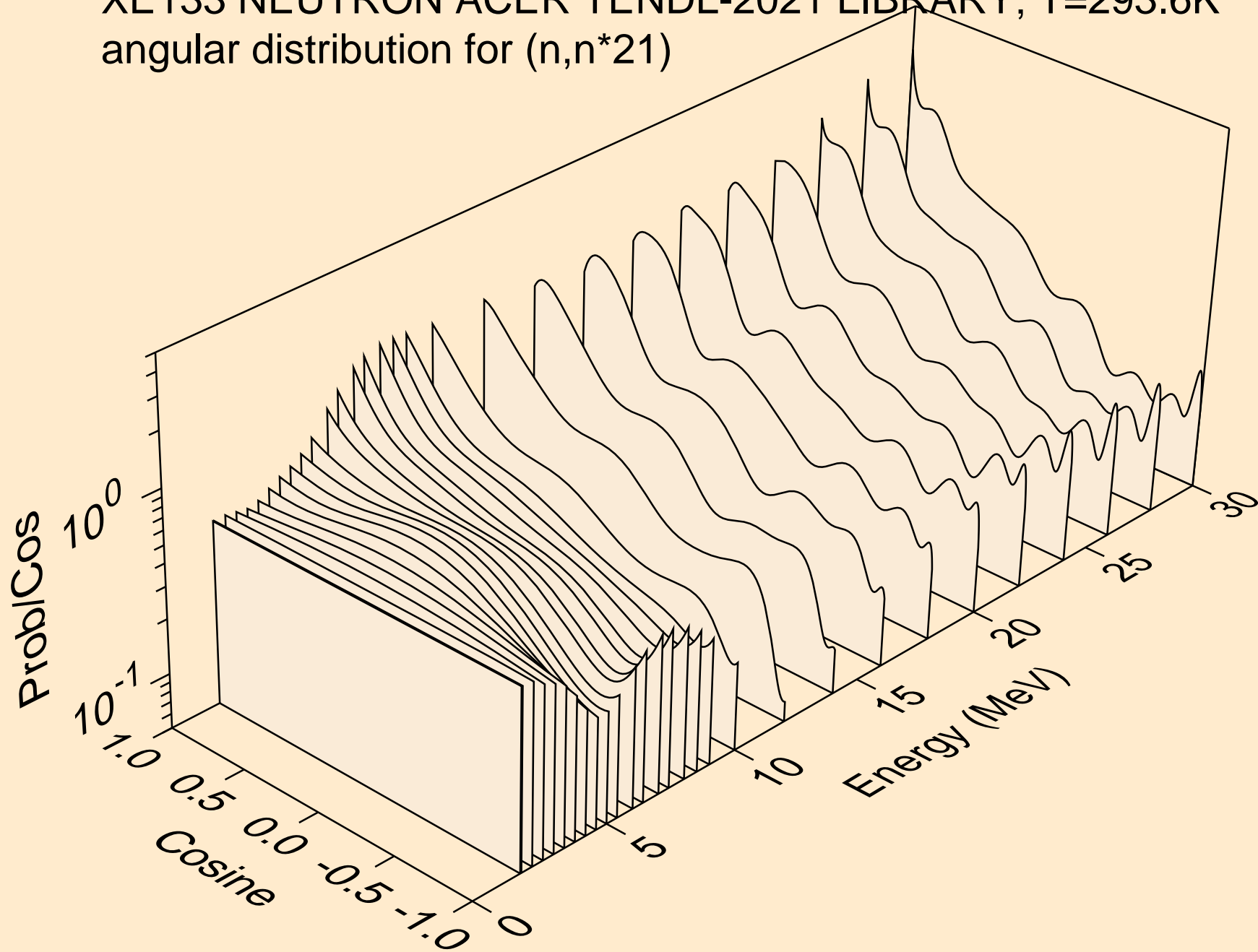
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angular distribution for (n,n\*19)



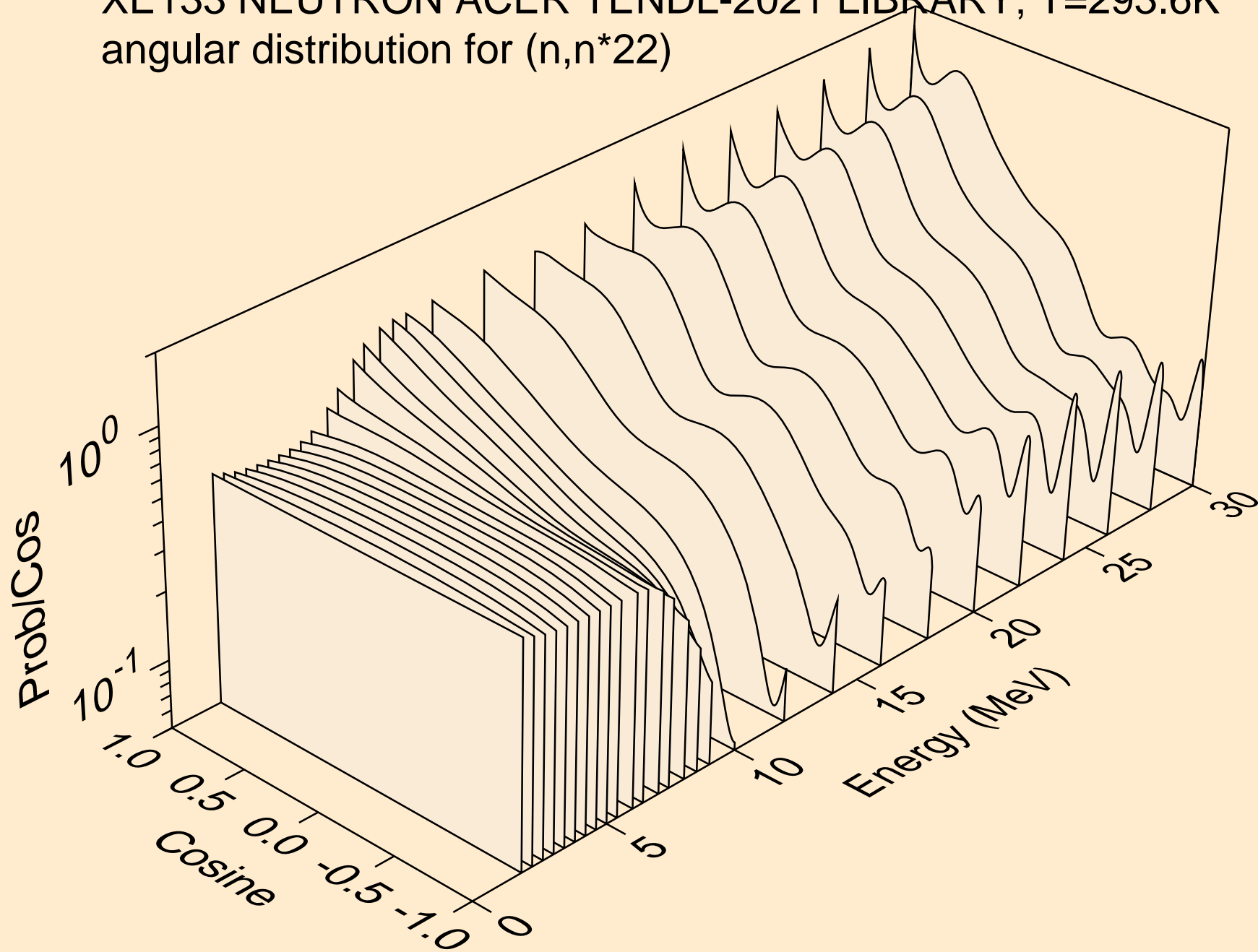
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angular distribution for (n,n\*20)



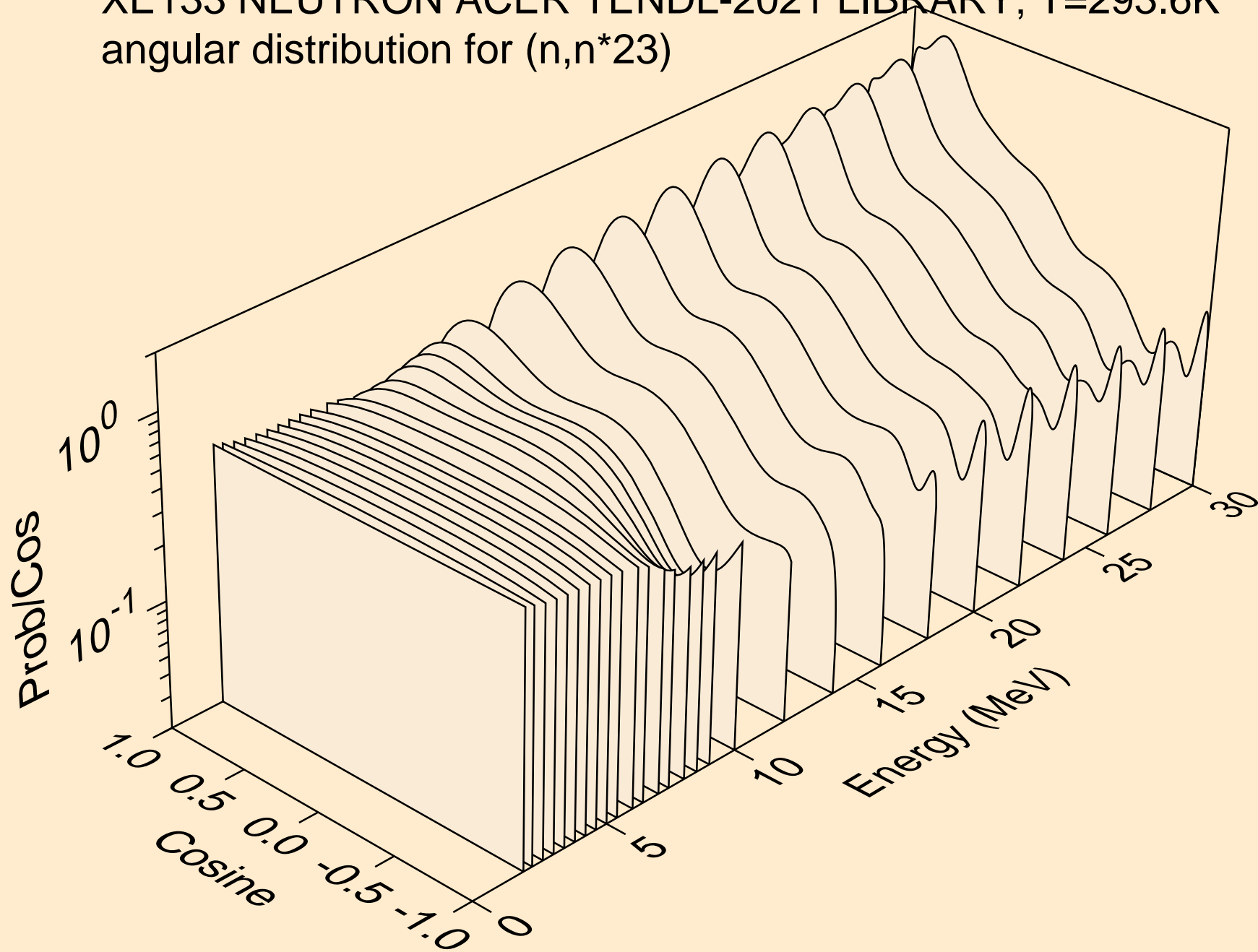
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angular distribution for (n,n\*21)



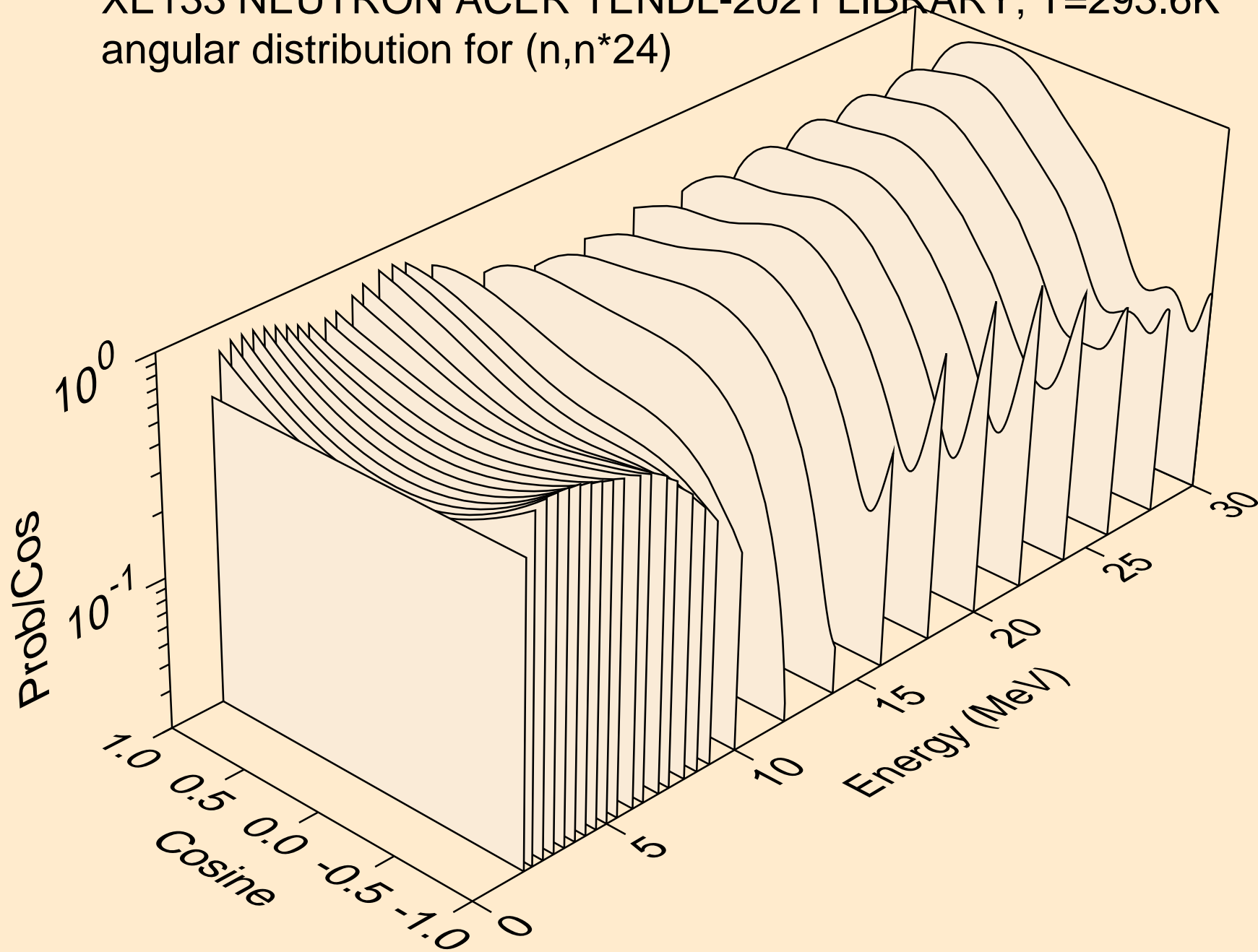
XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*22)



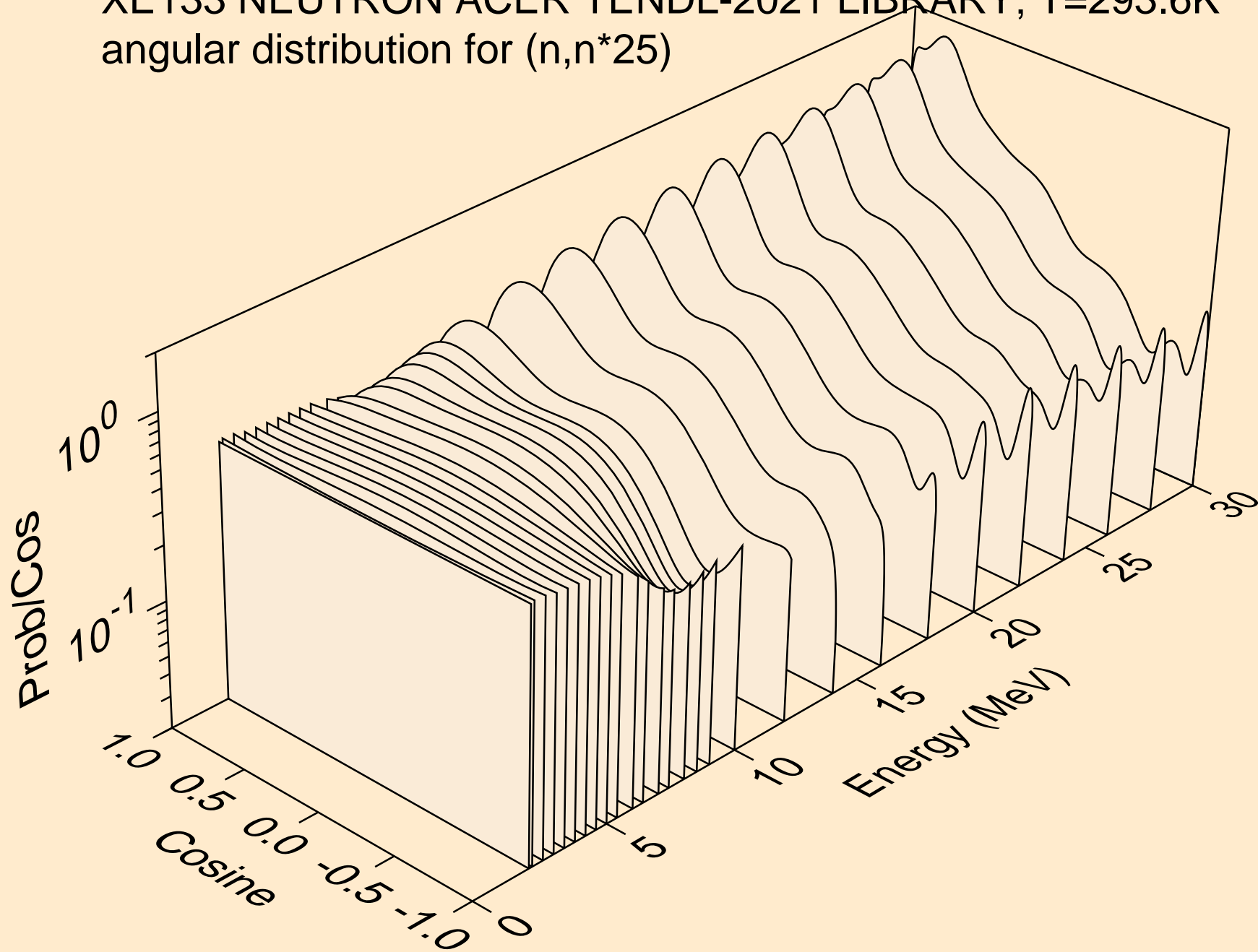
XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*23)



XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*24)

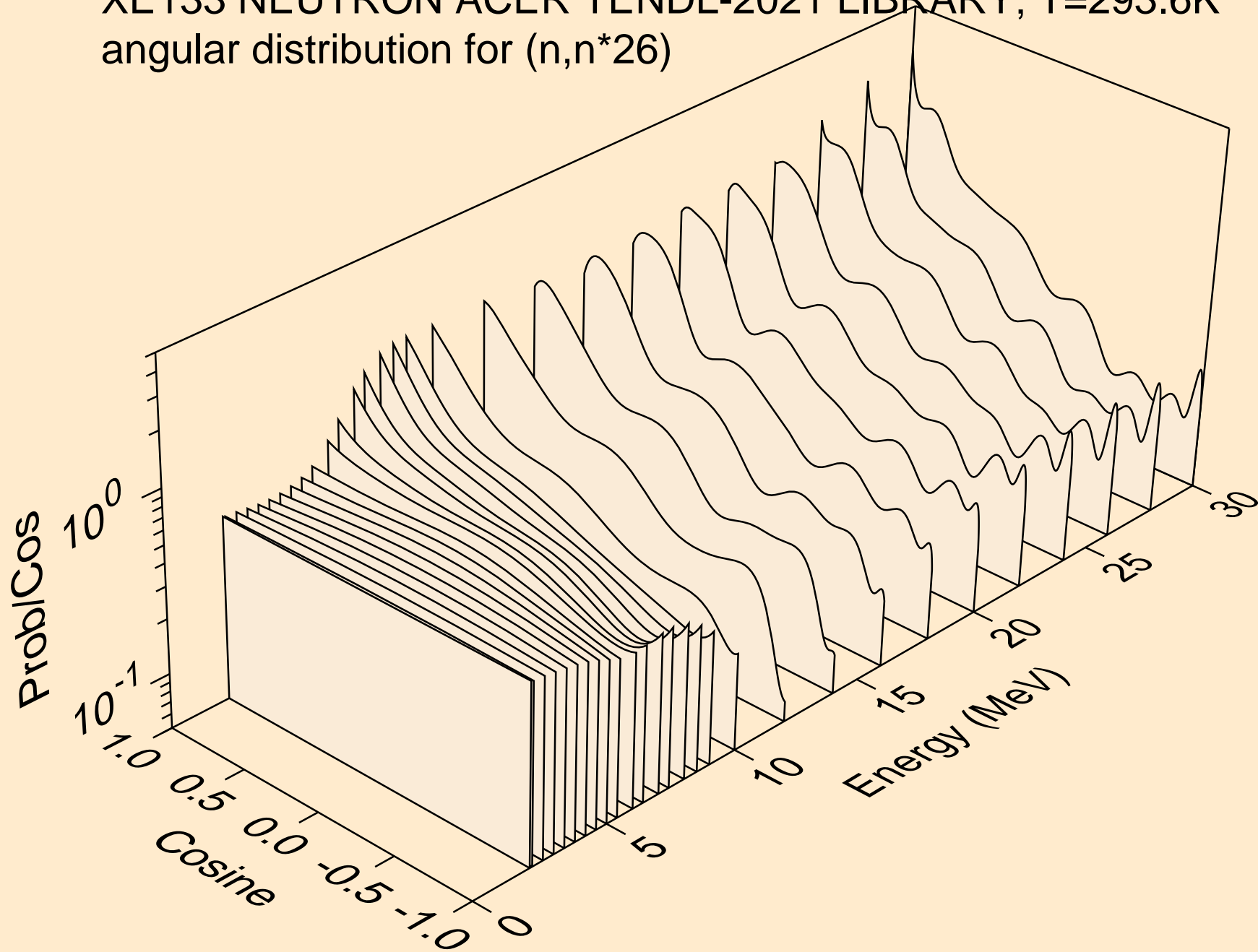


XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*25)

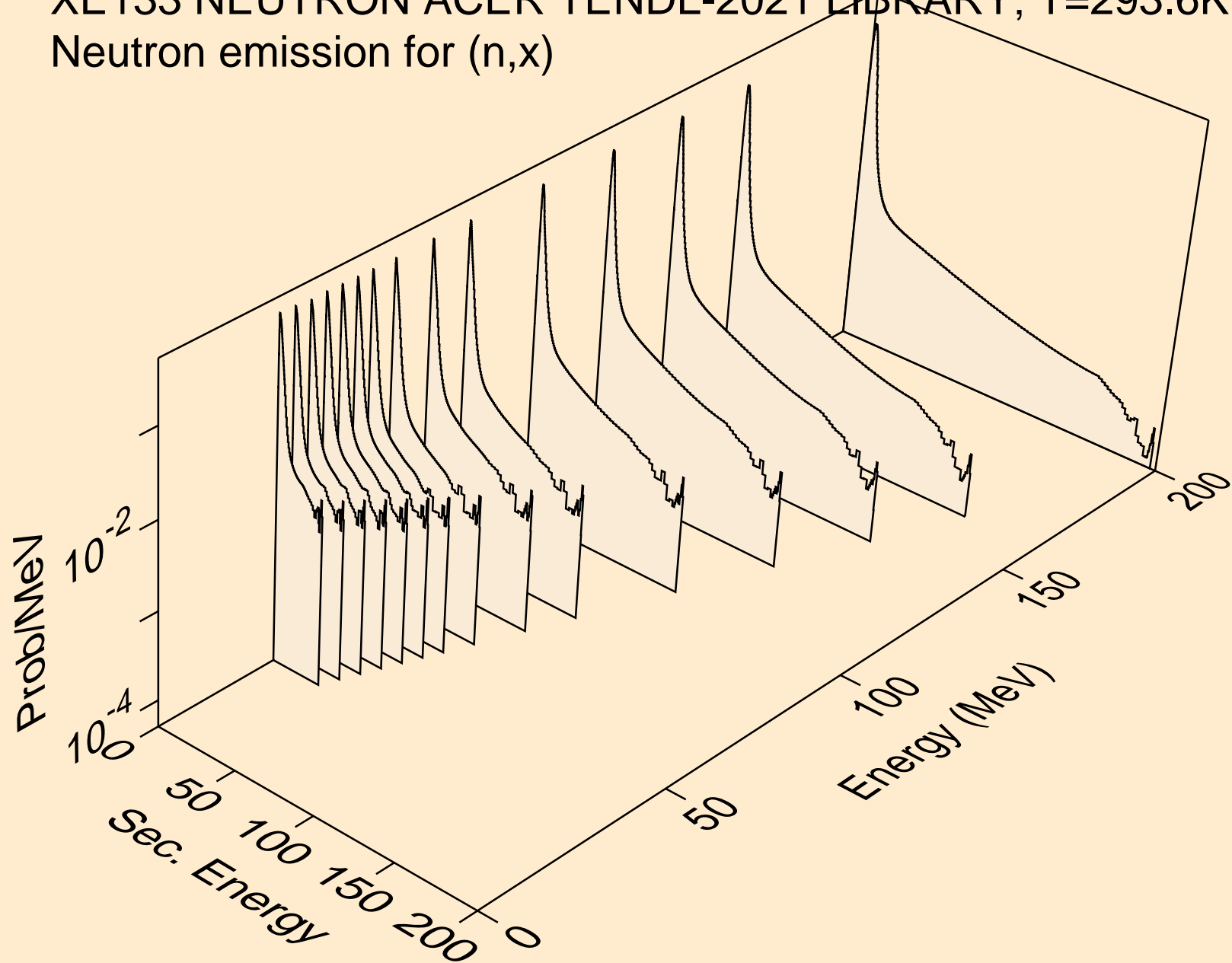




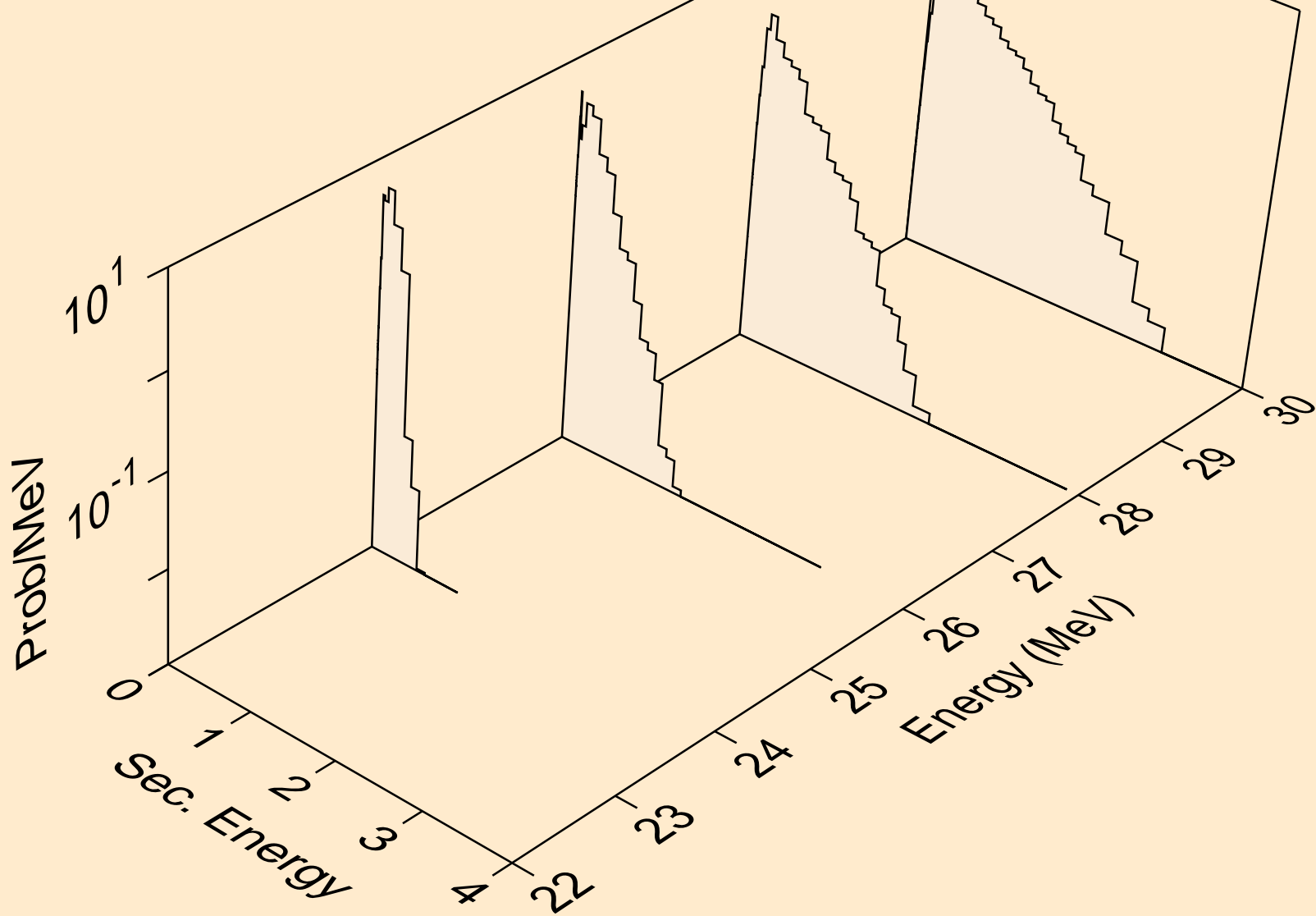
XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*26)



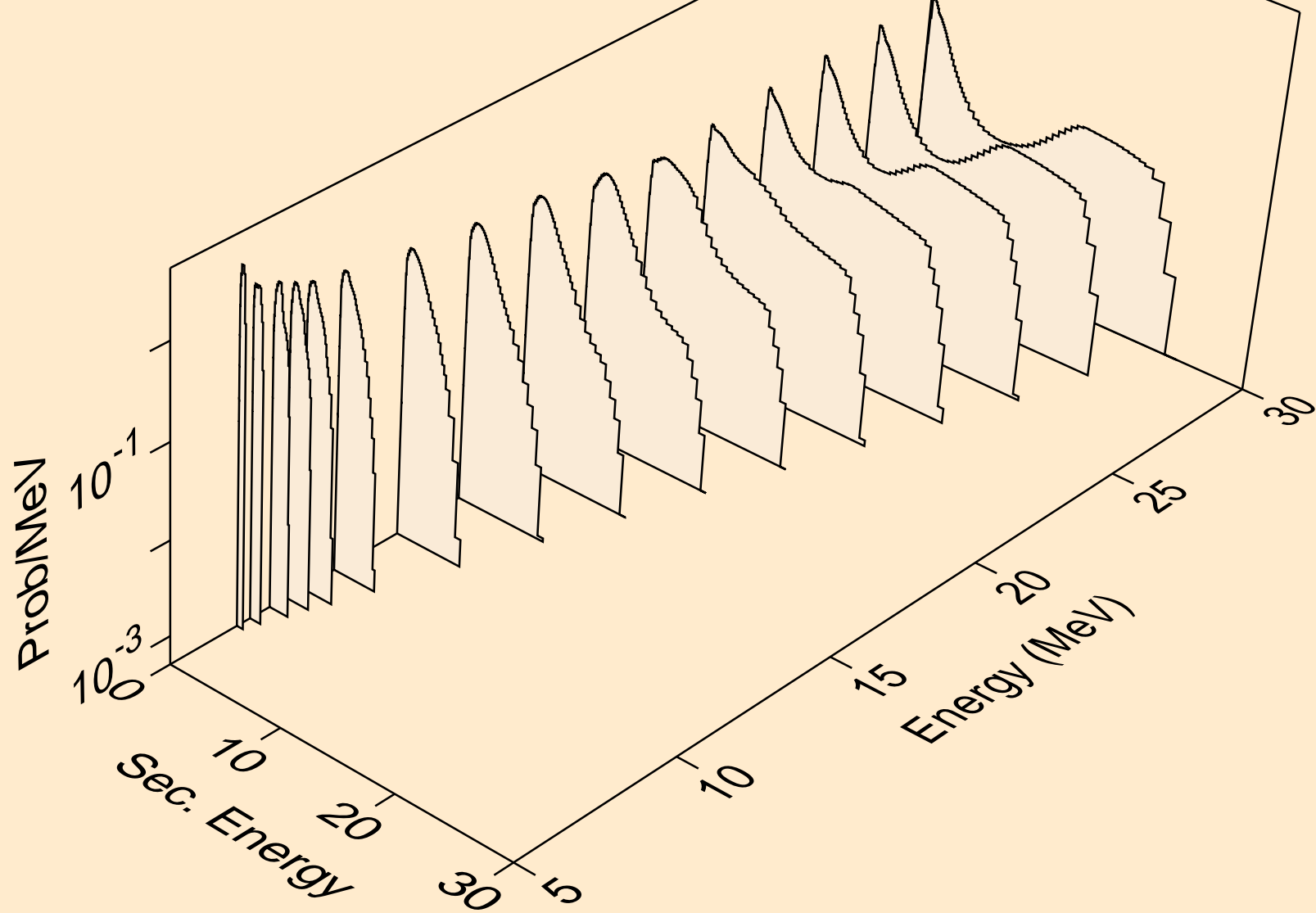
XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,x)



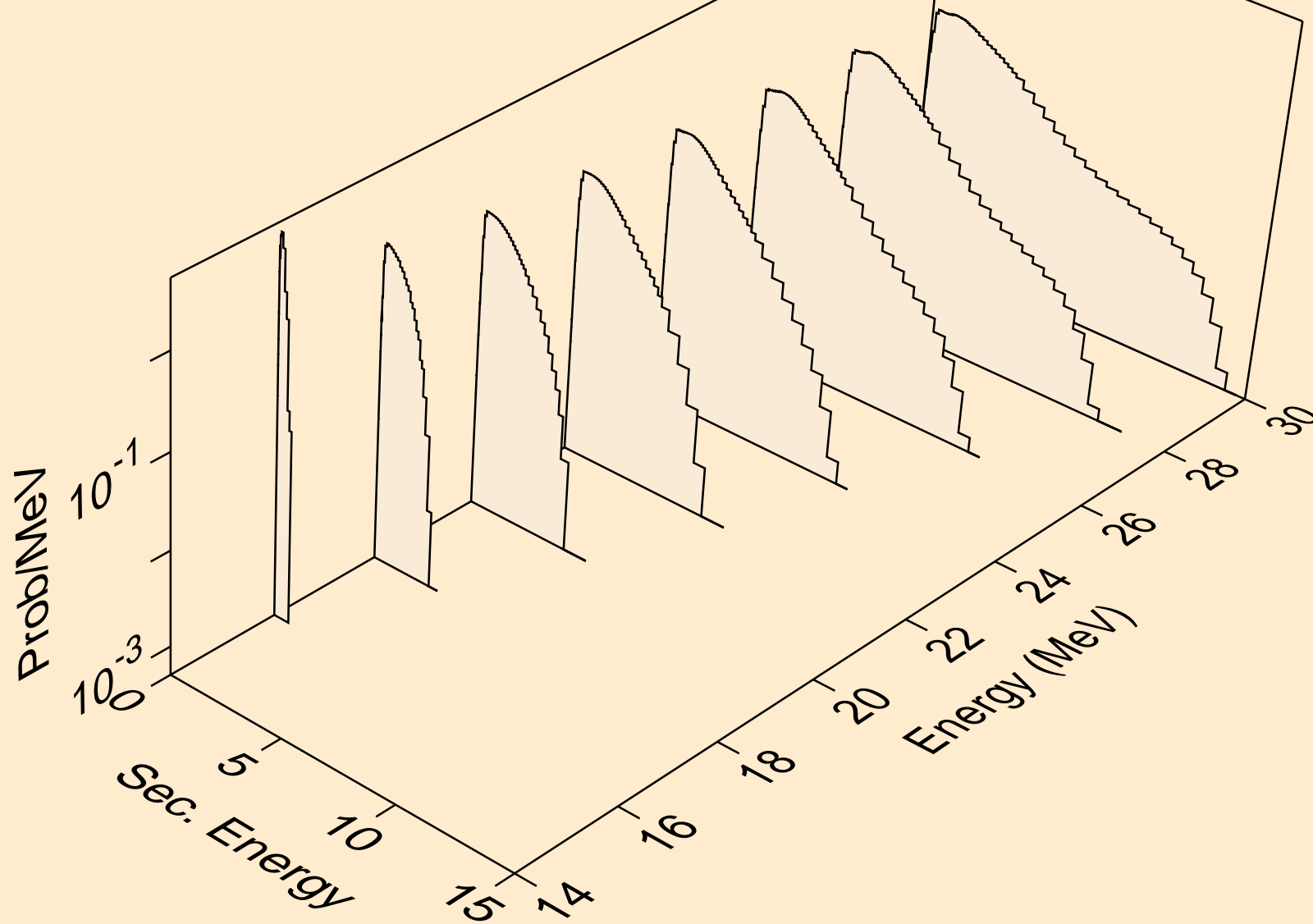
XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2nd)



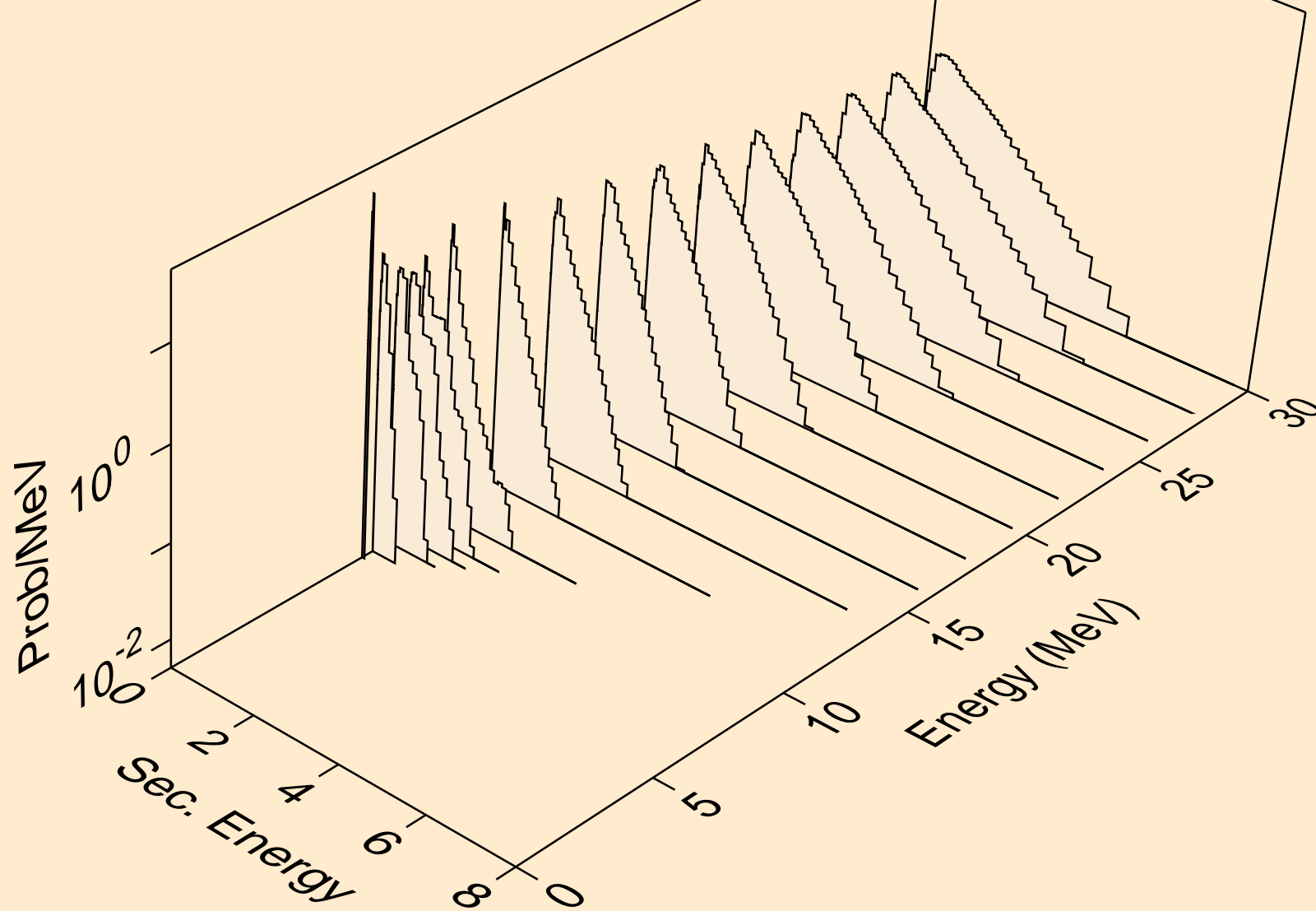
XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)



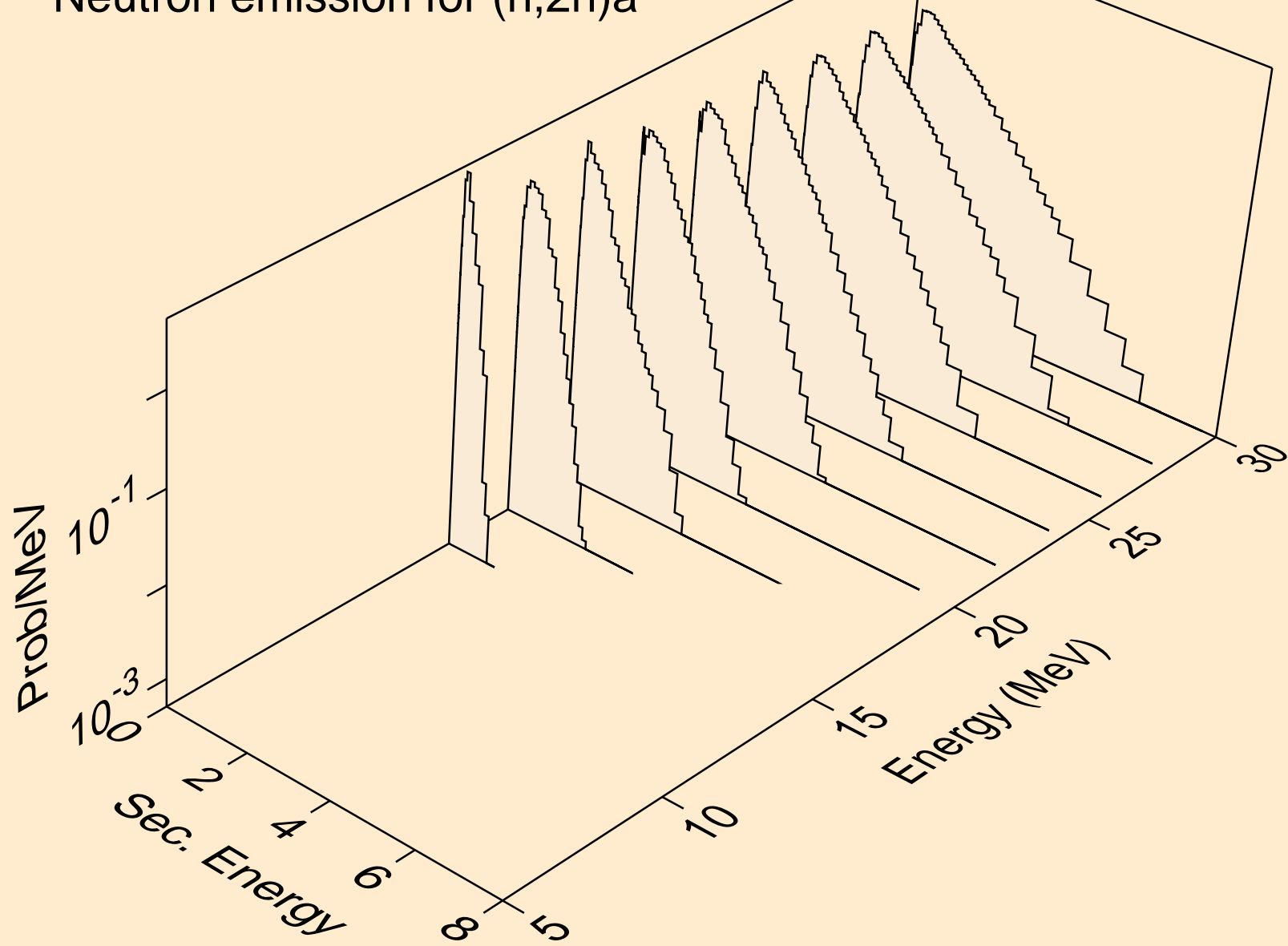
XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3n)



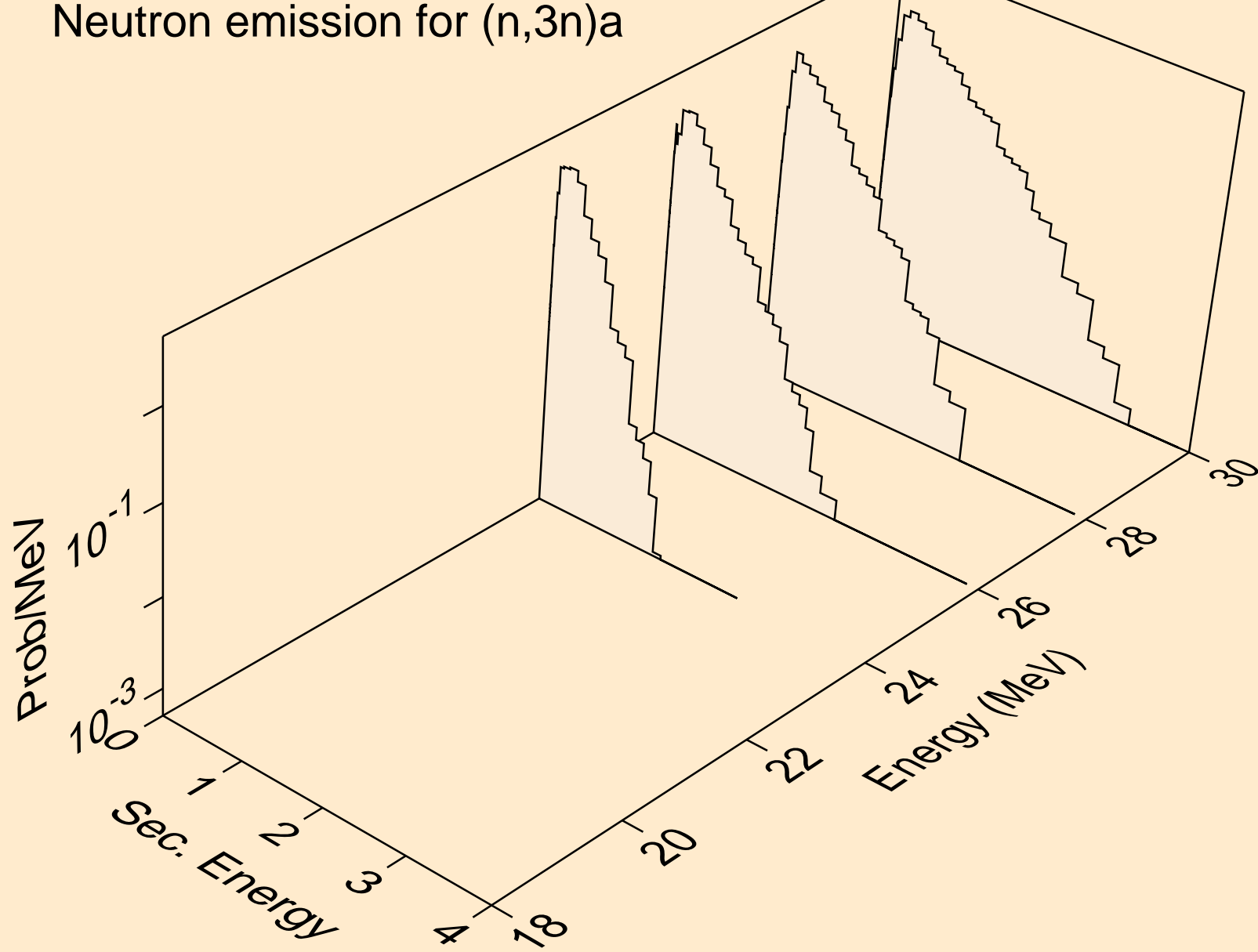
XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)a



XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)<sub>a</sub>

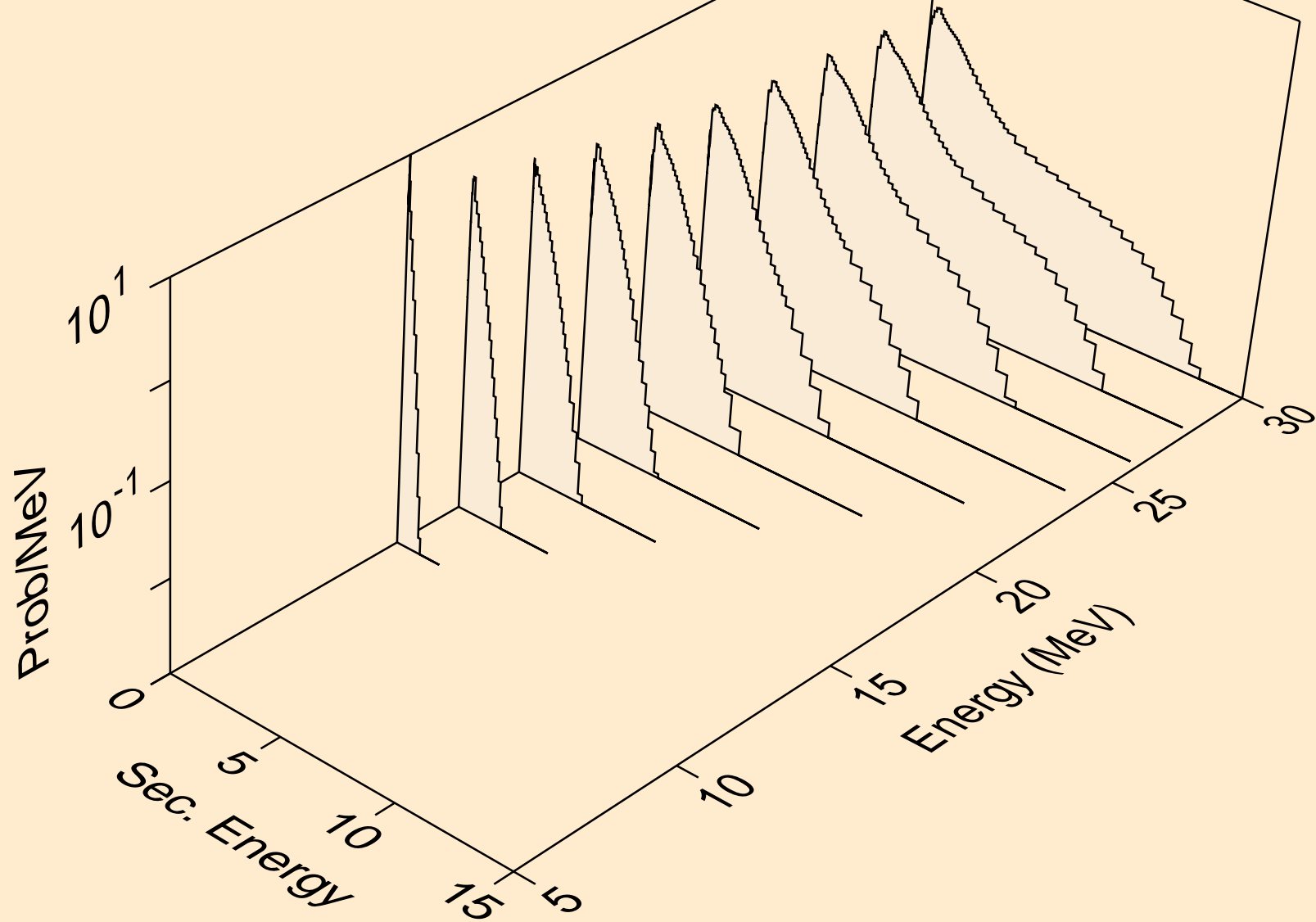


XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3n)a

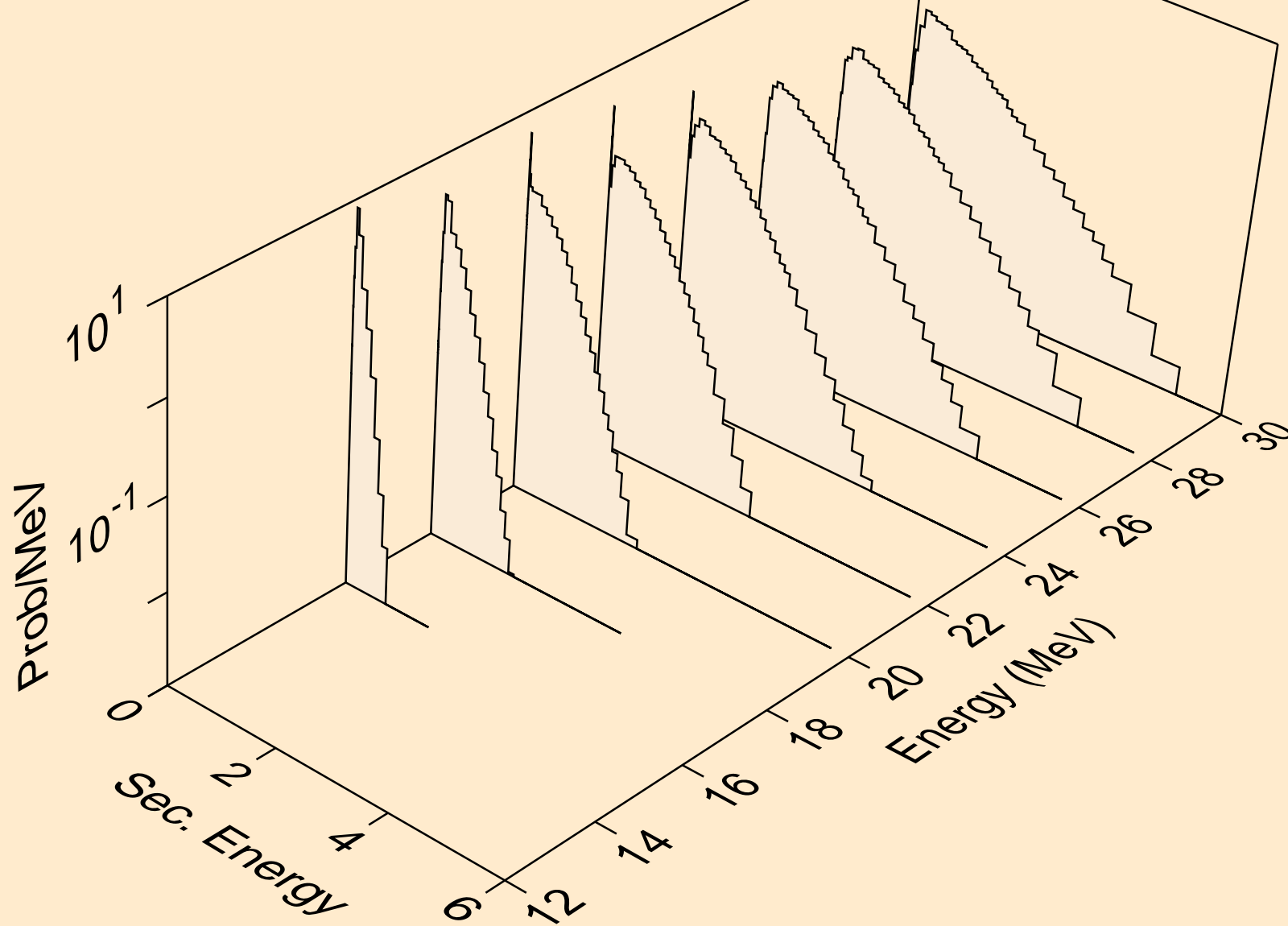




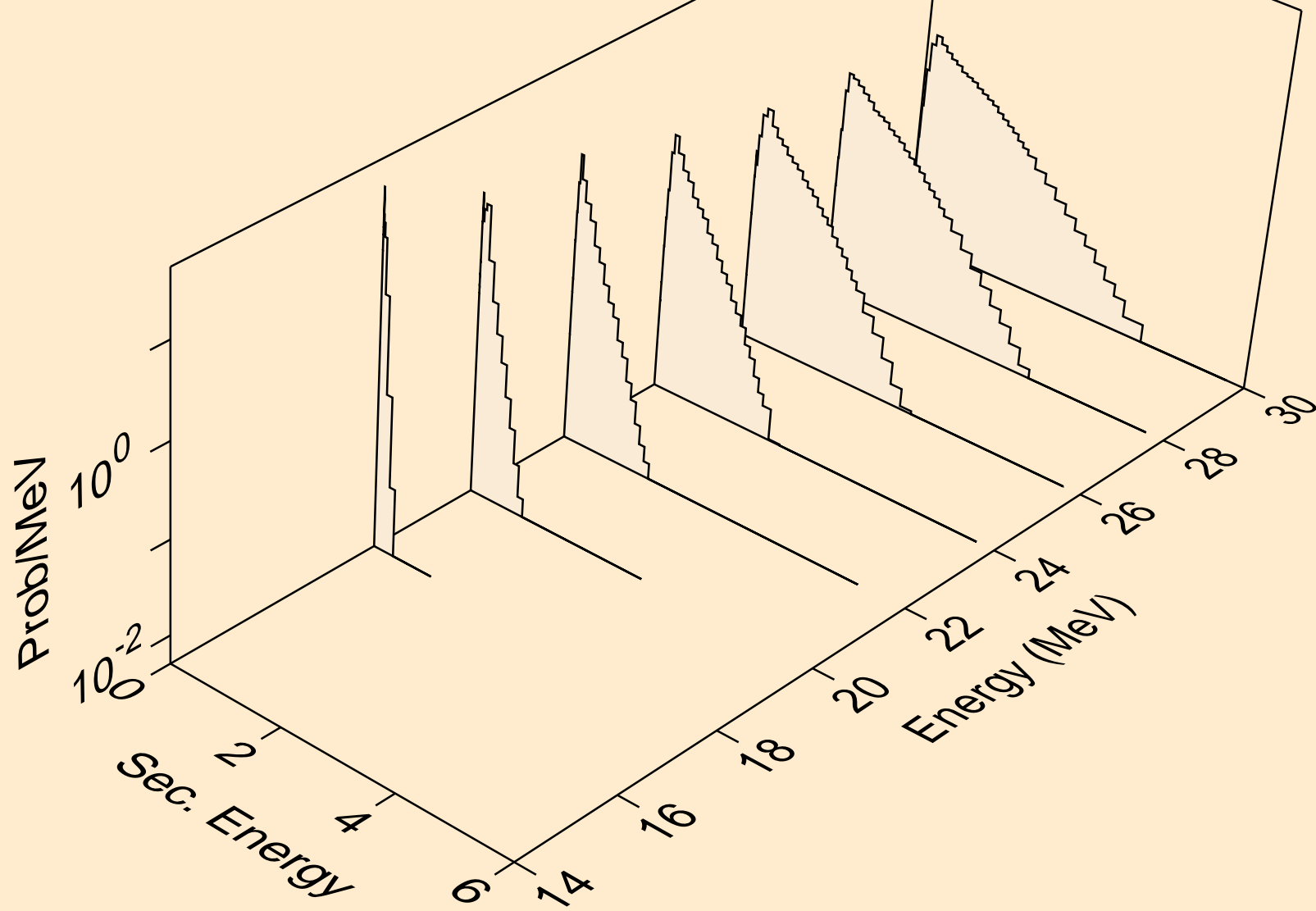
XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)p



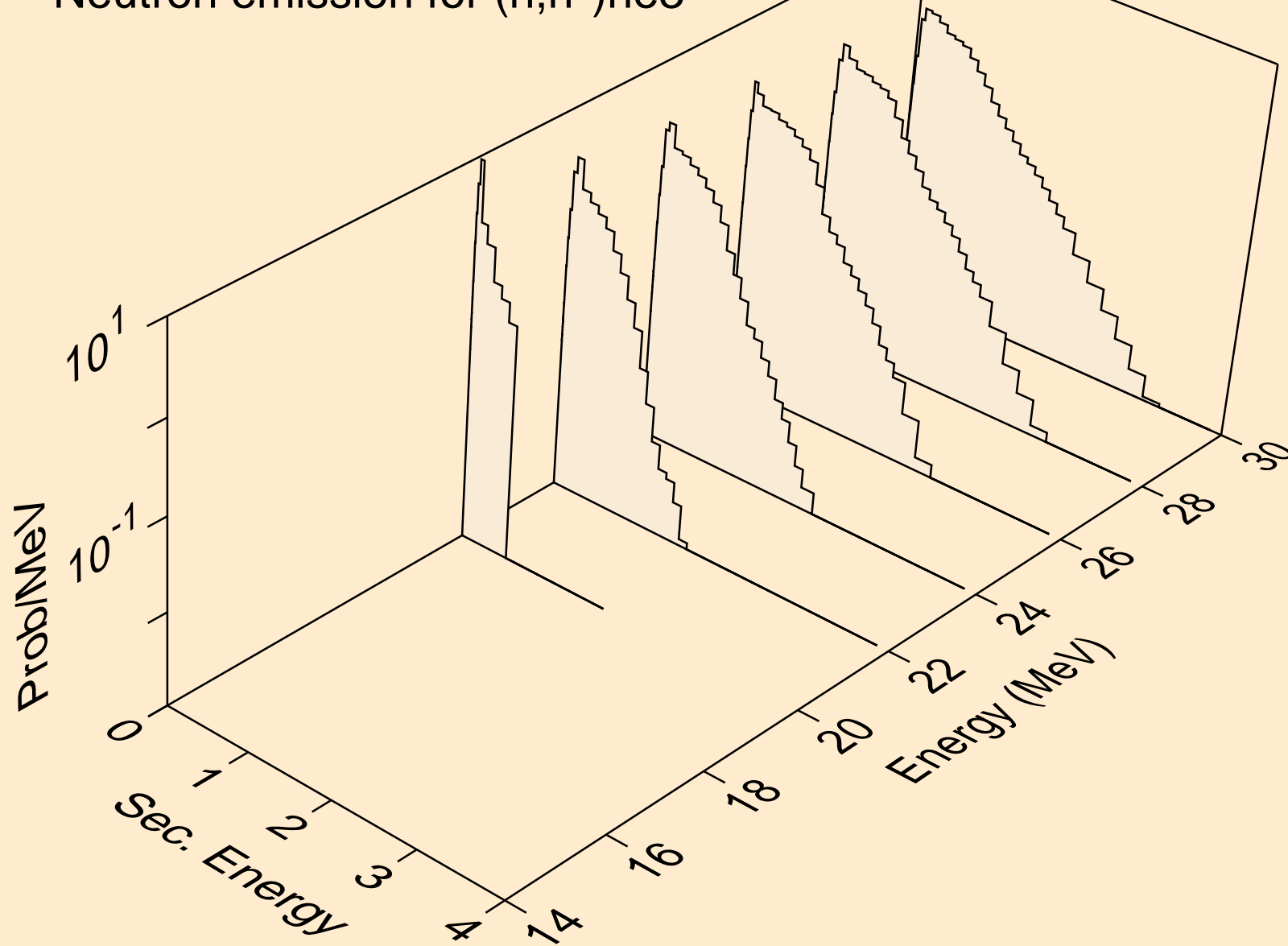
XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)d



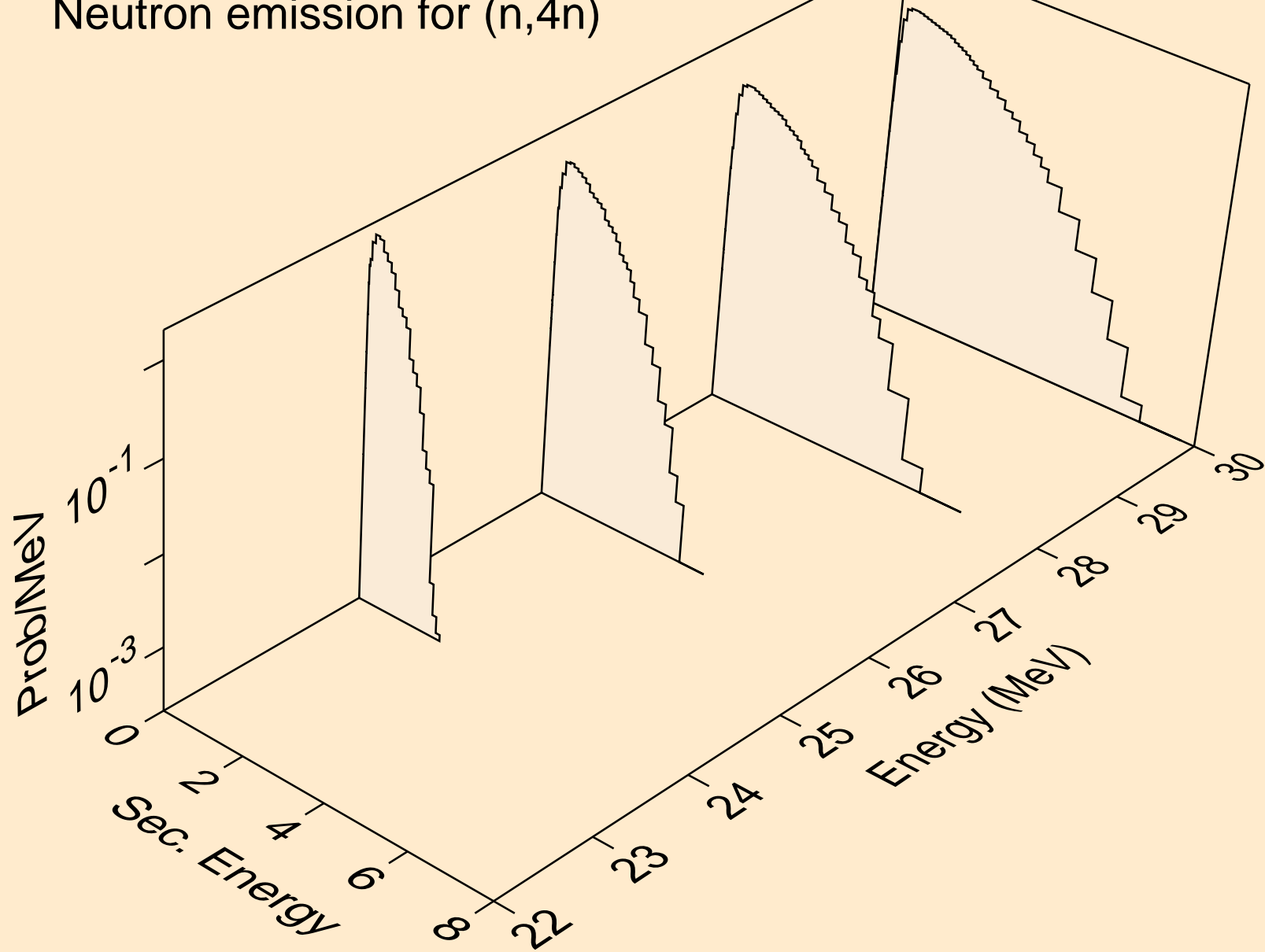
XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)t



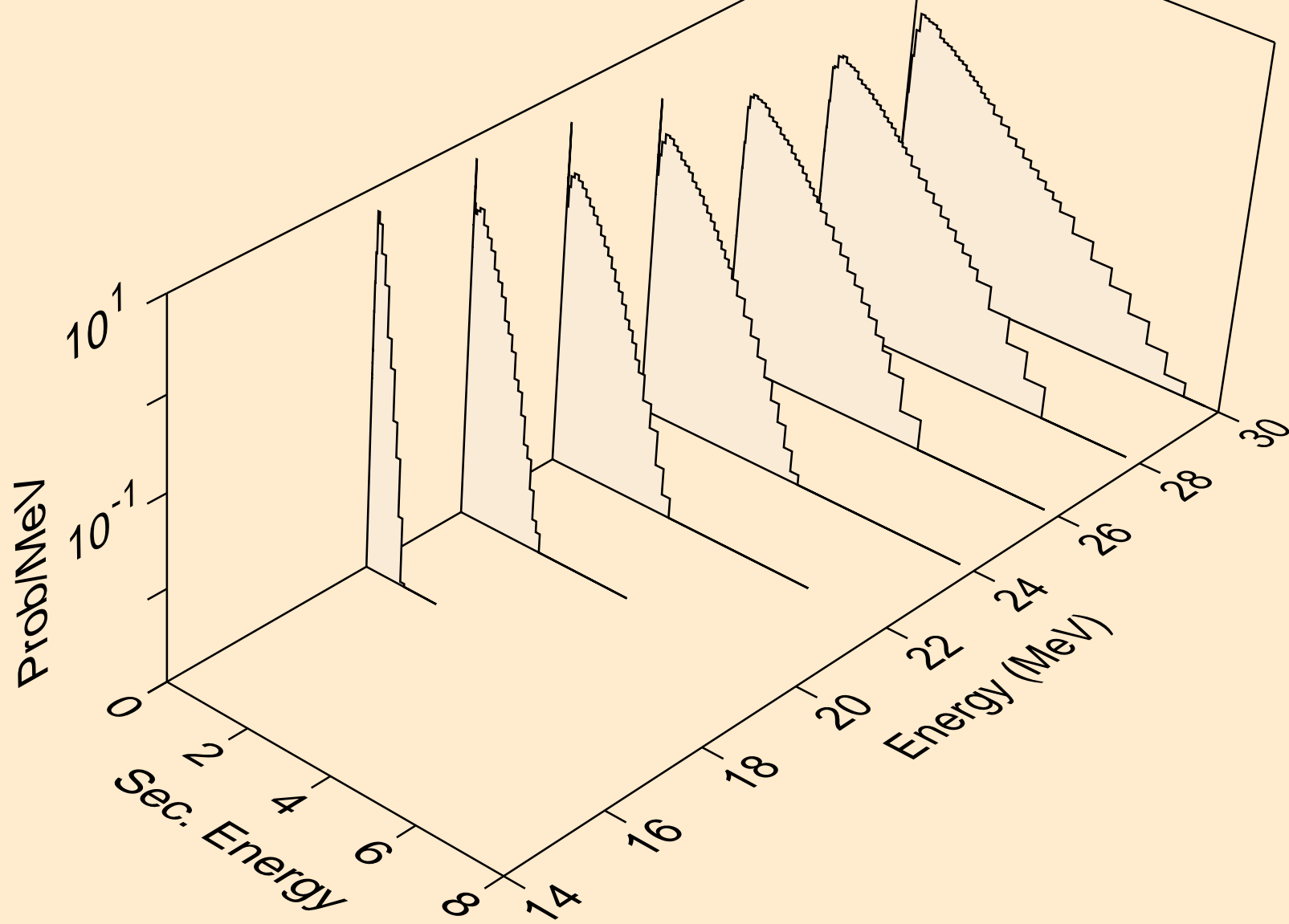
XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)he3



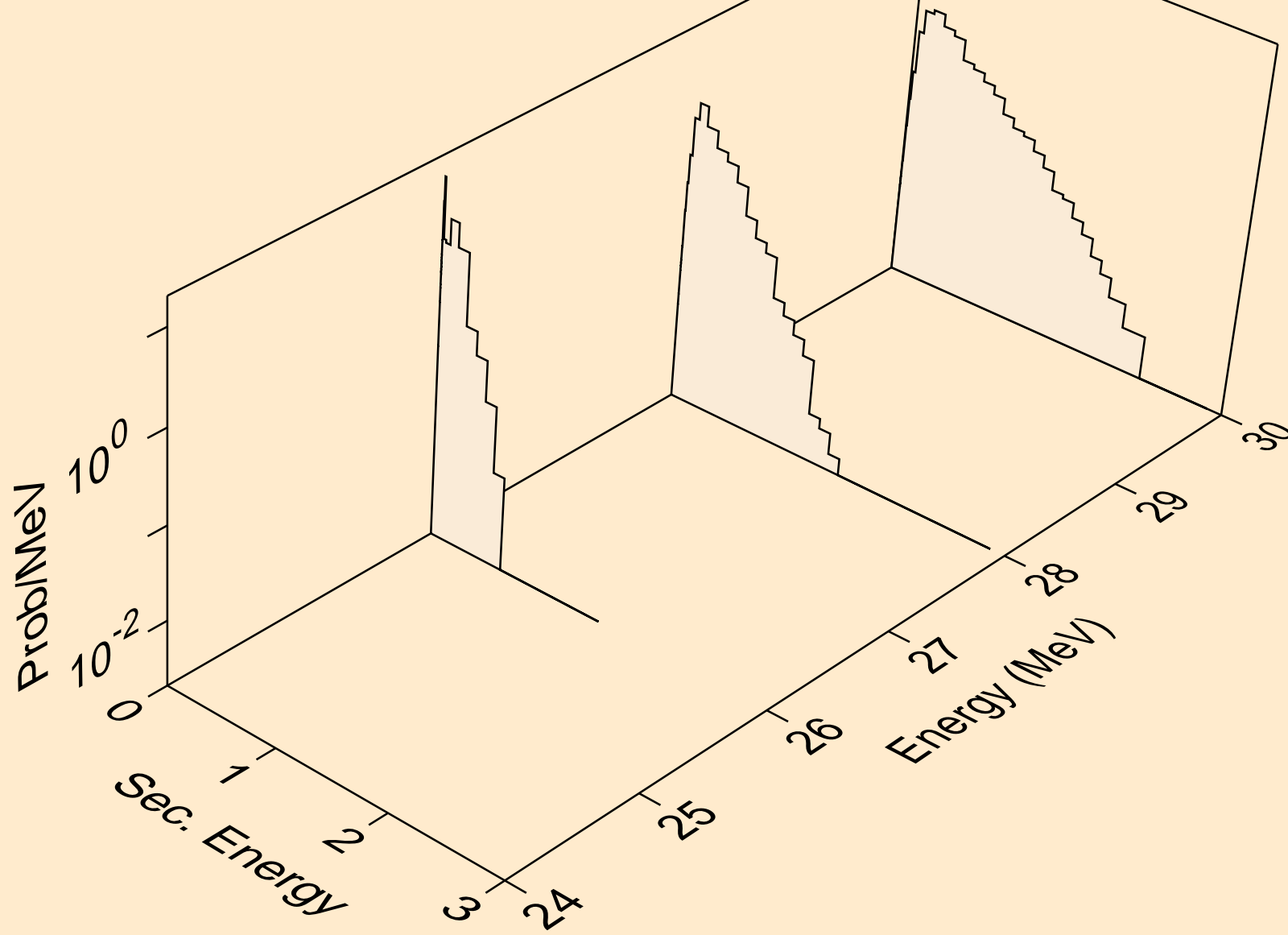
XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,4n)



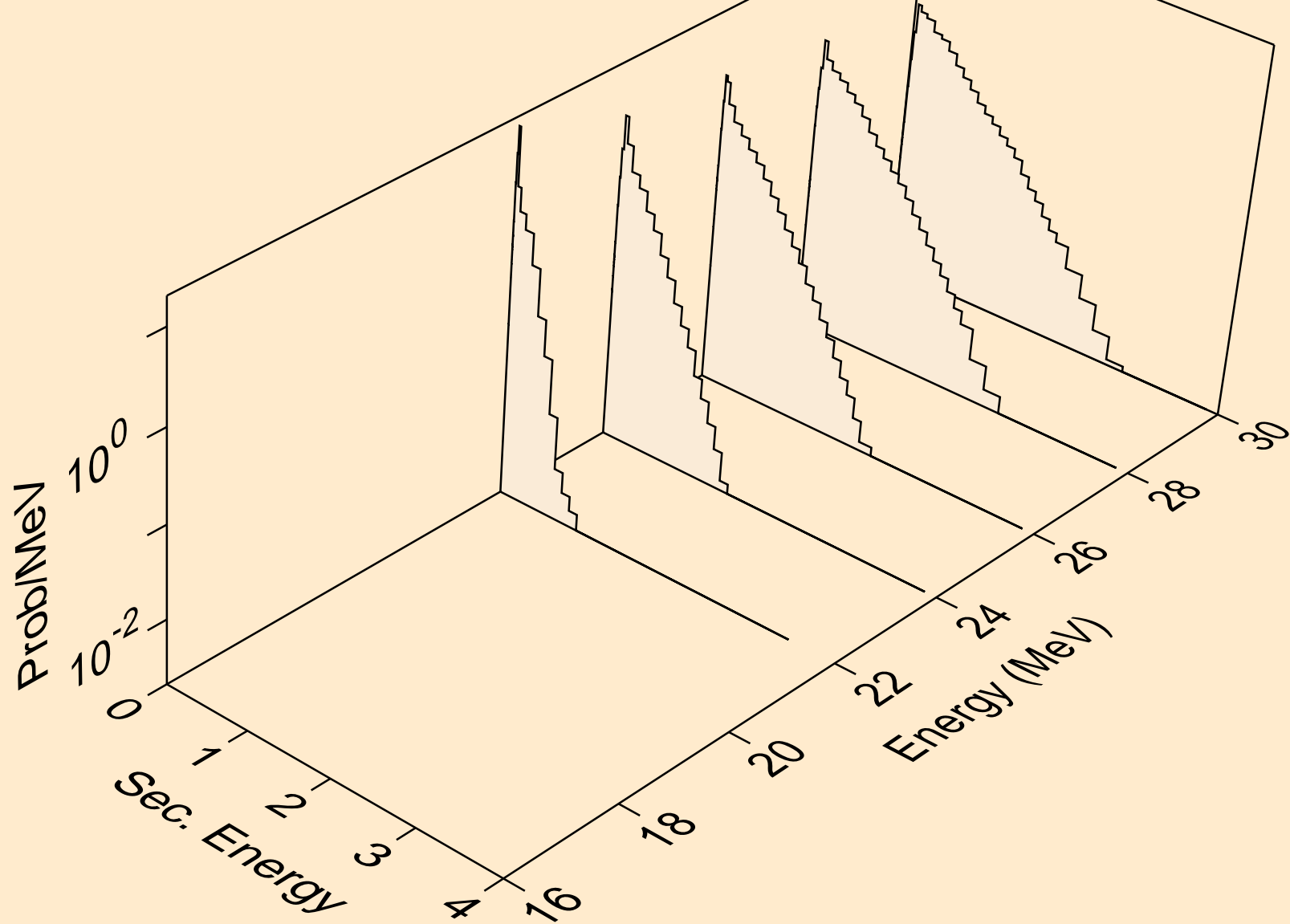
XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2np)



XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3np)

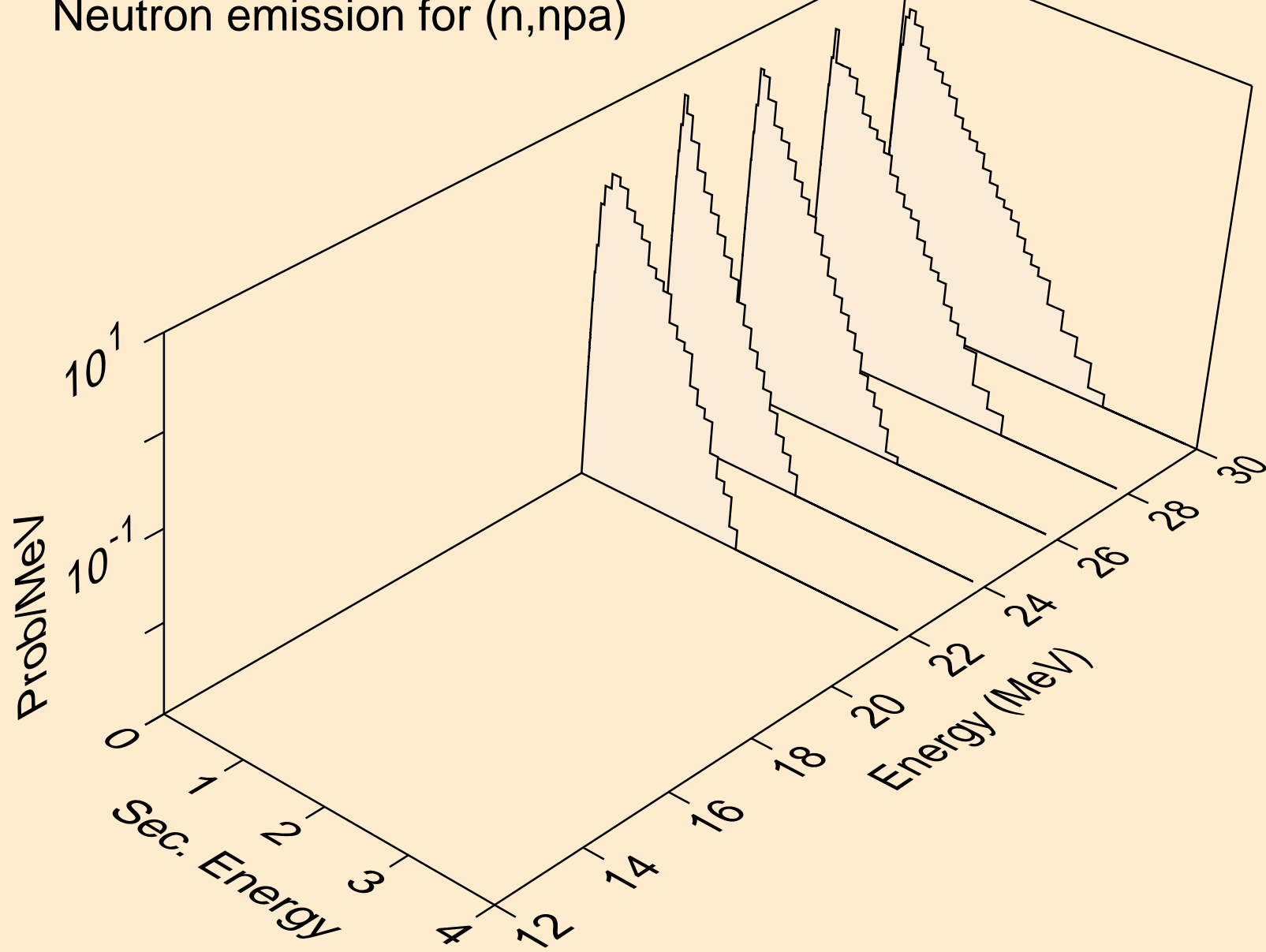


XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2np)

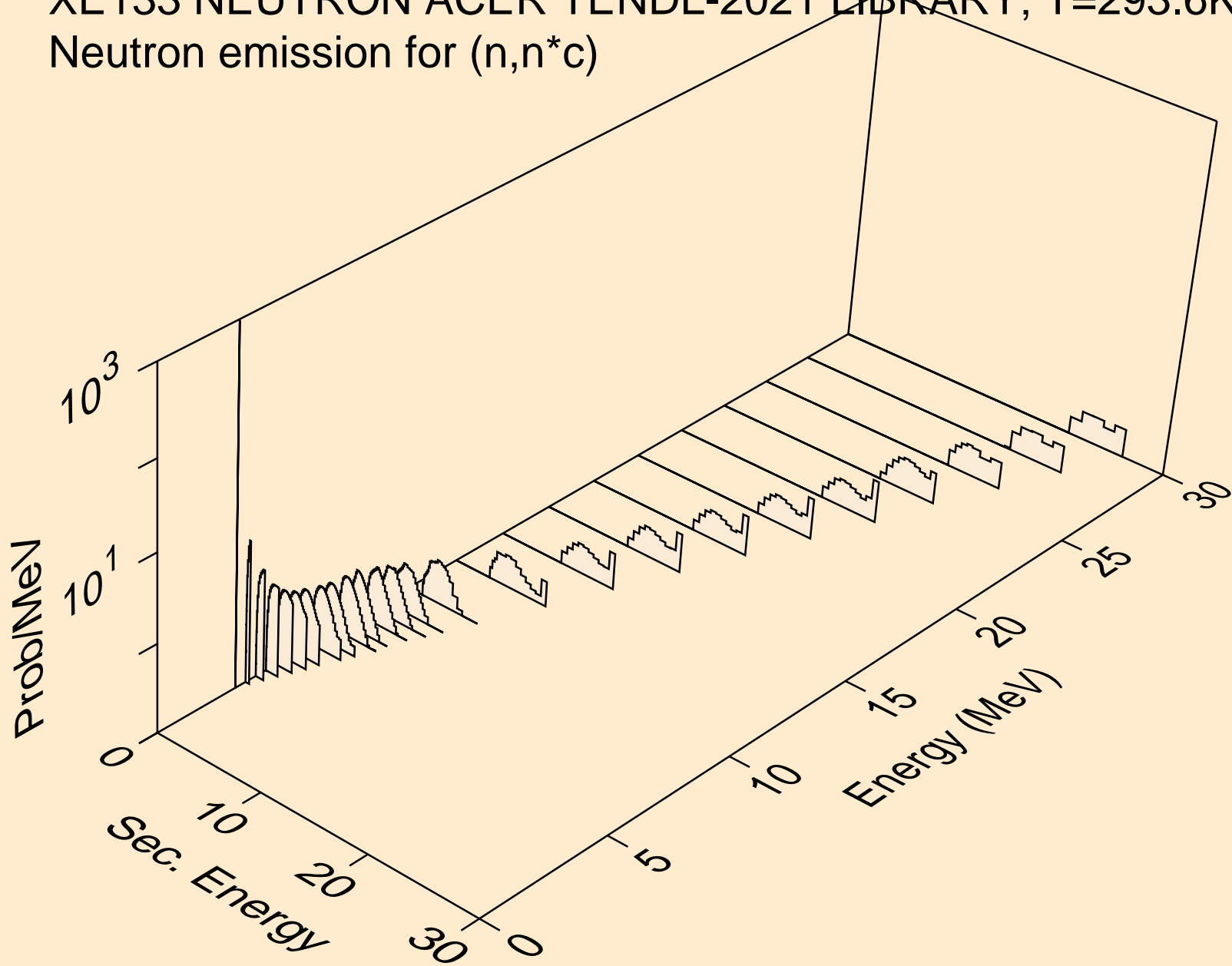




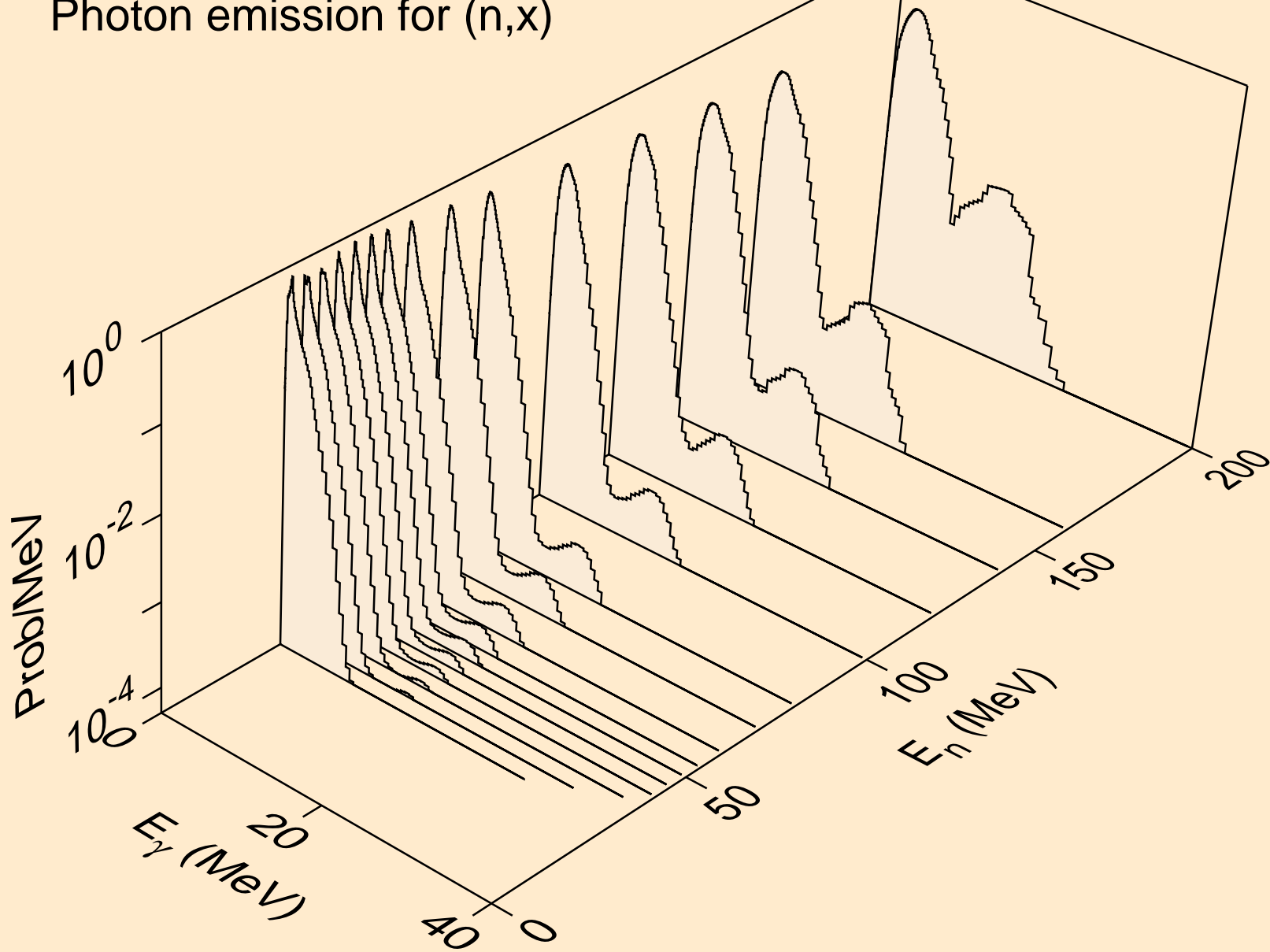
XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,npa)



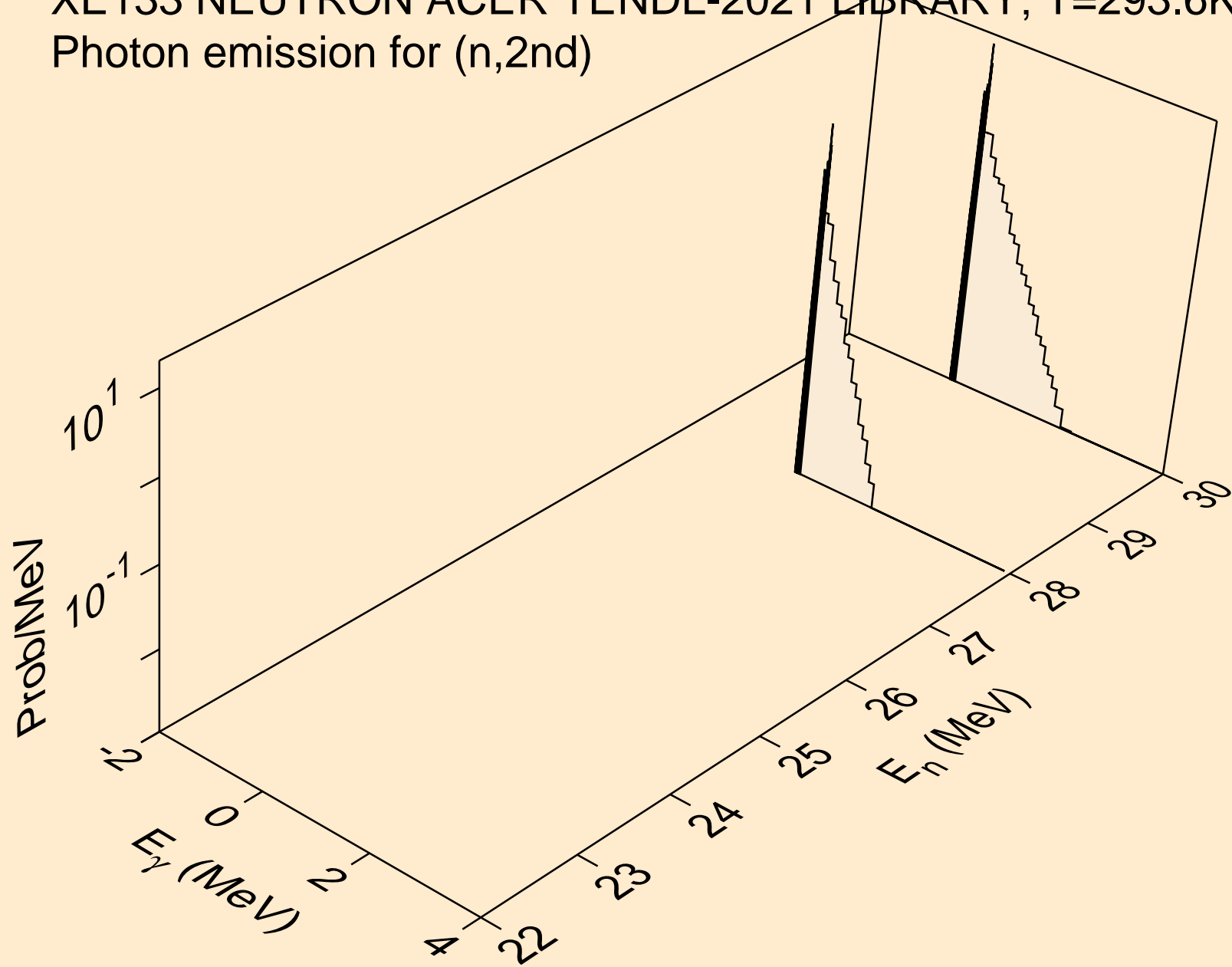
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Neutron emission for (n,n\*c)



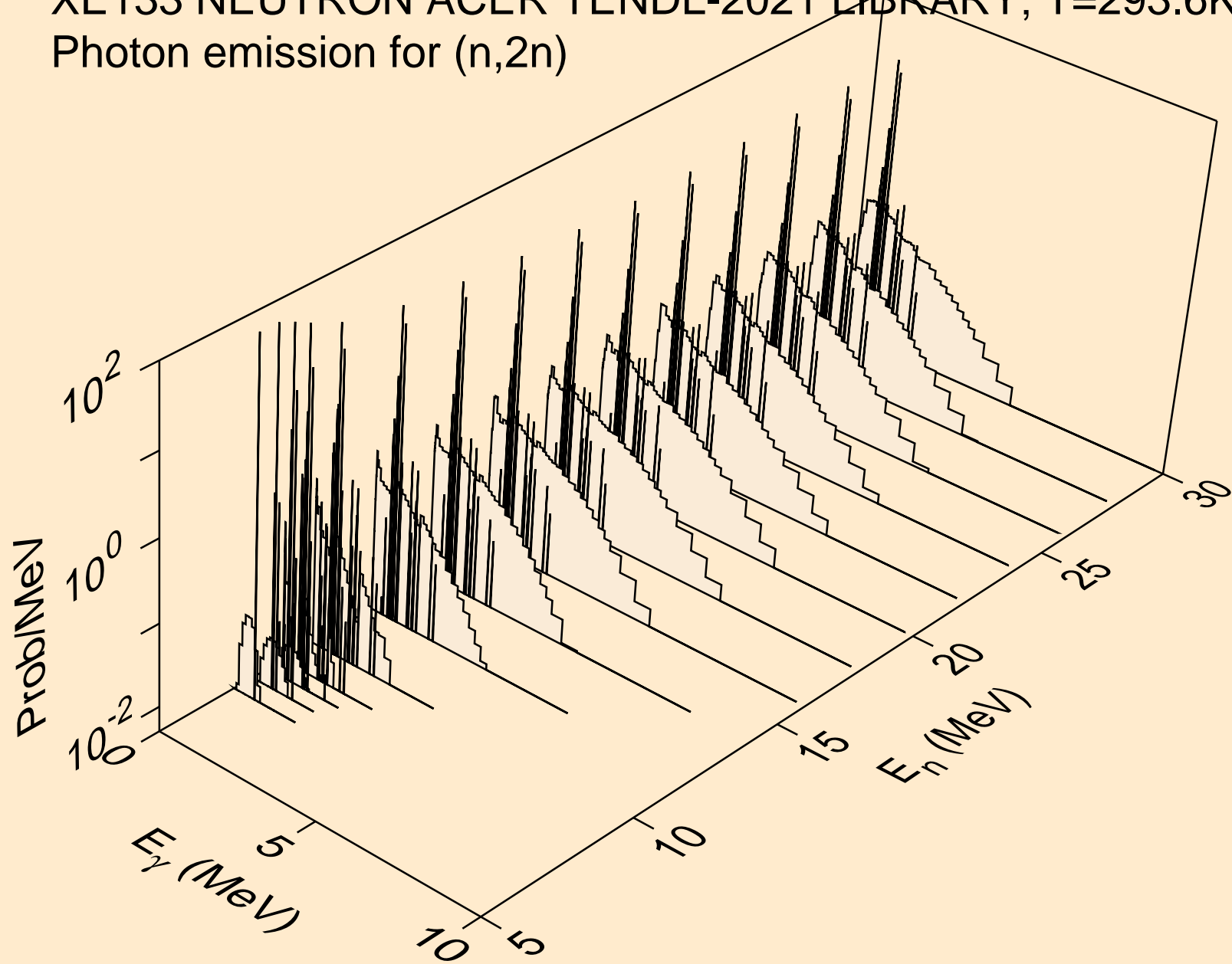
XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,x)



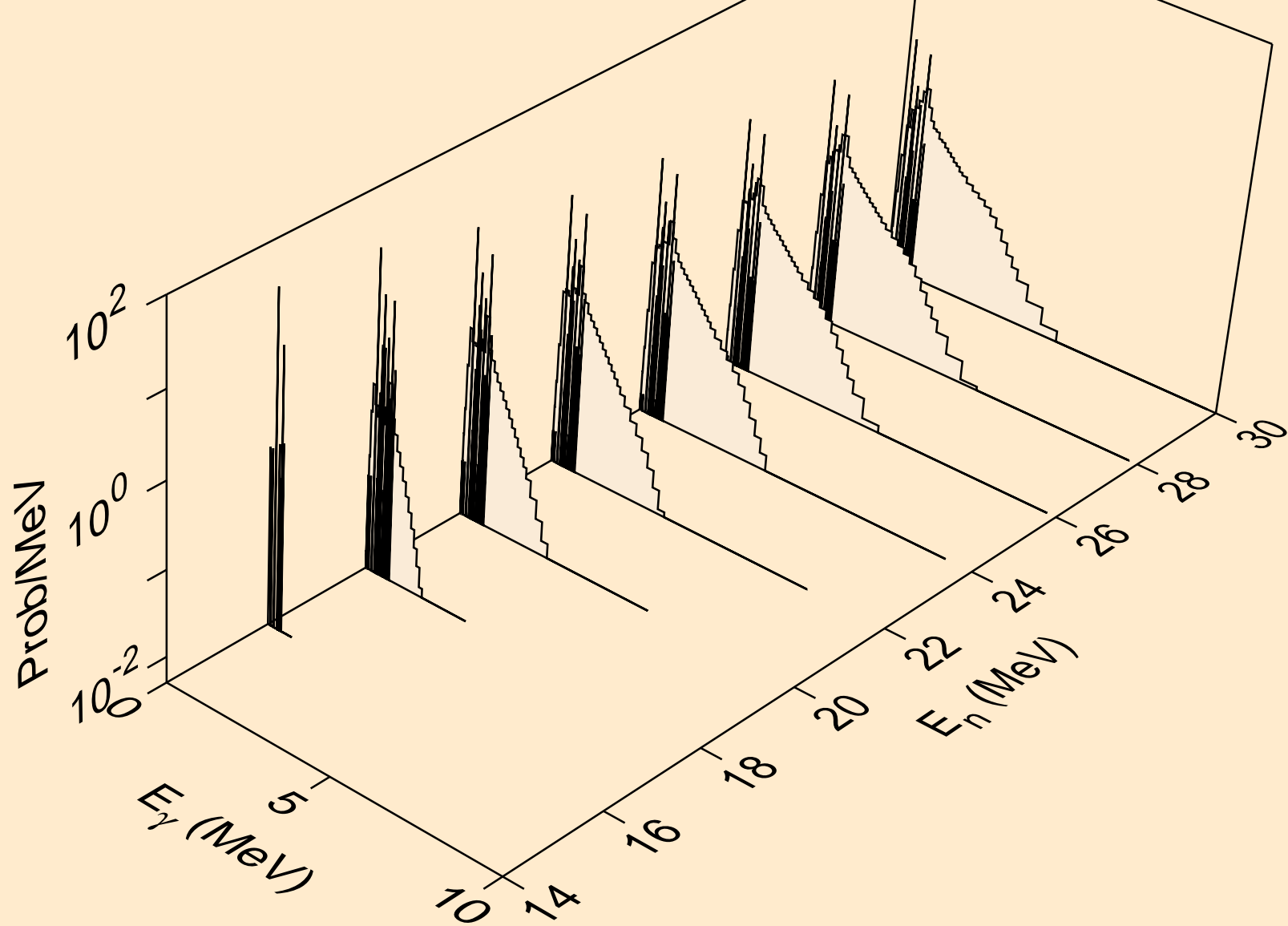
XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2nd)



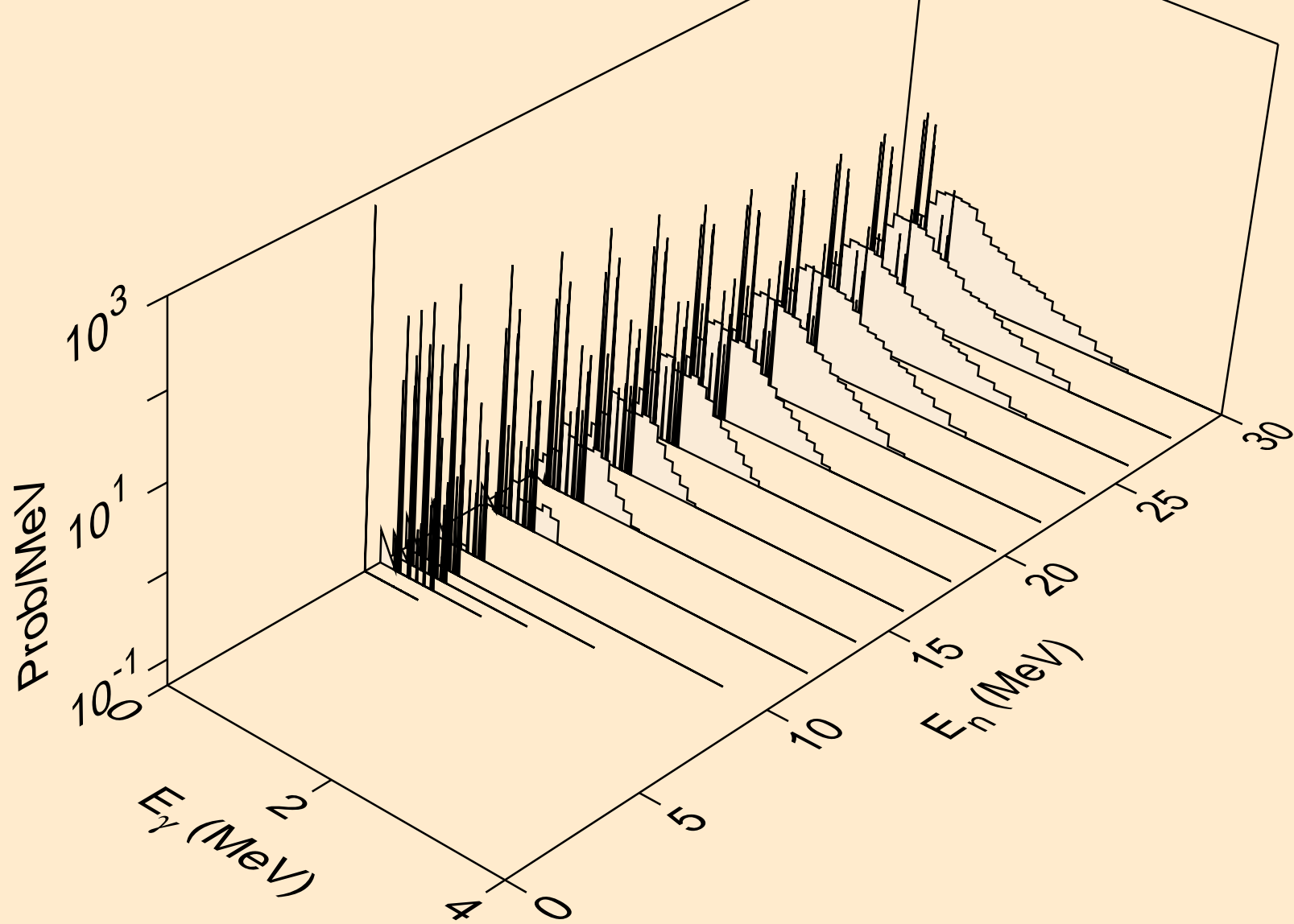
XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2n)



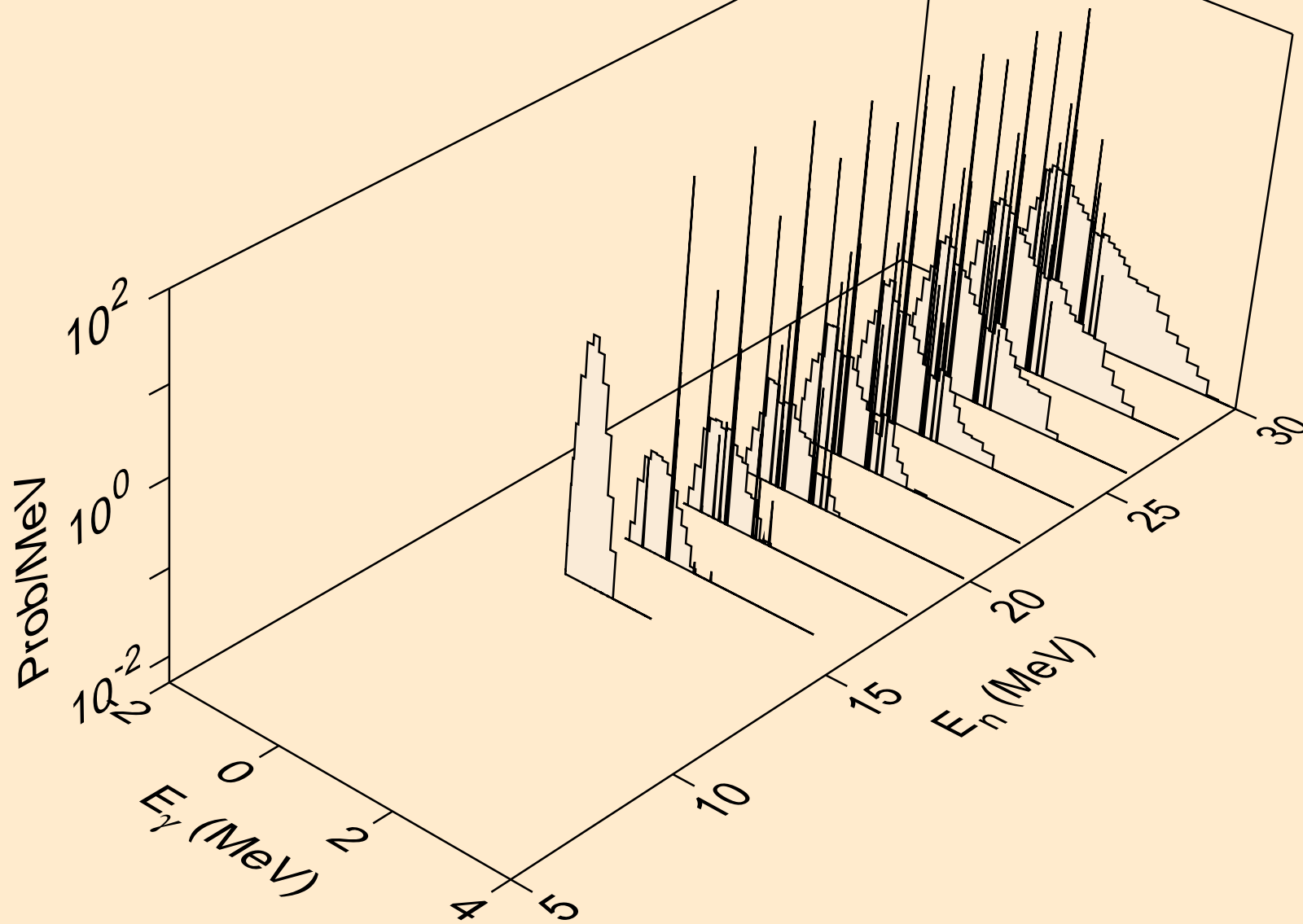
XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3n)



XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)a

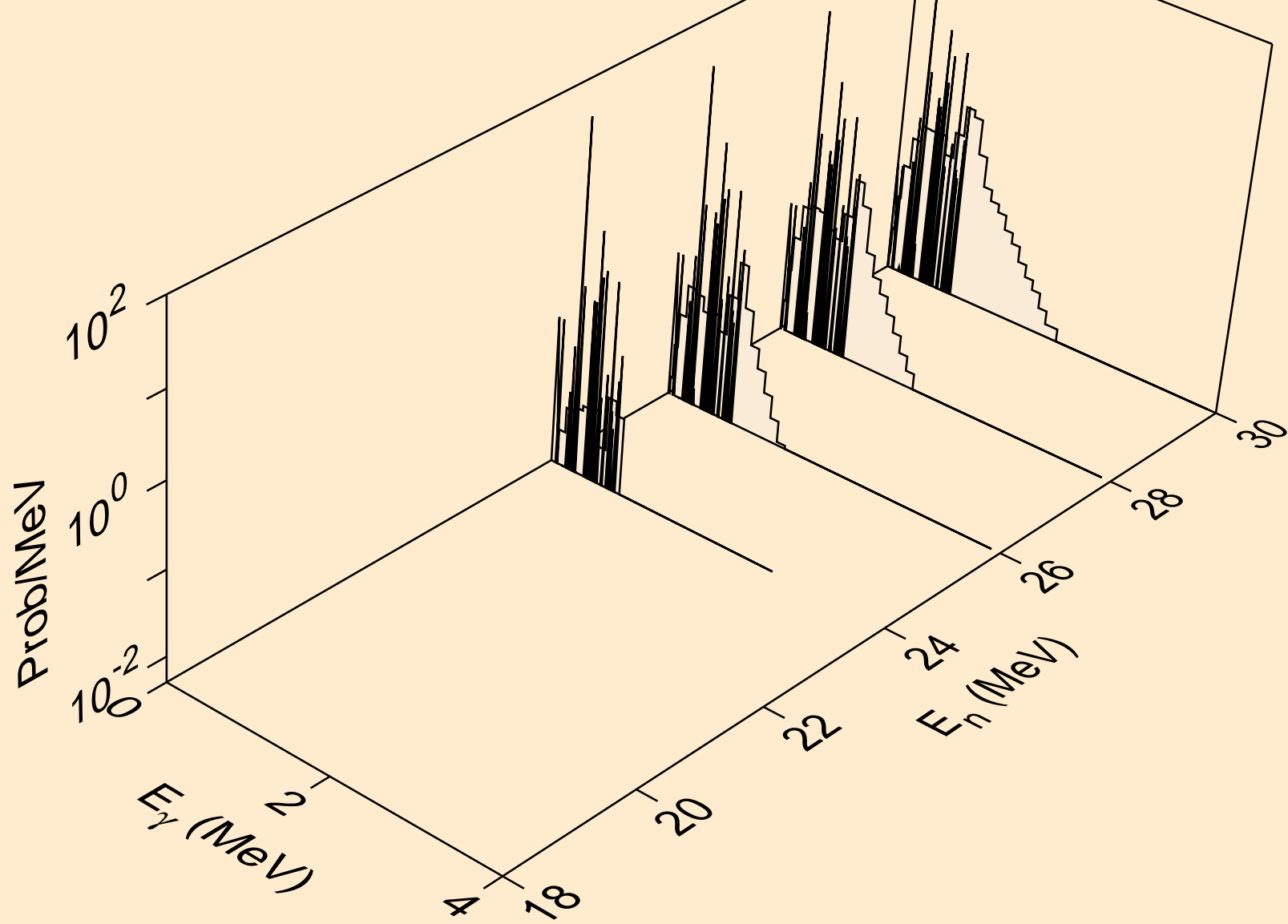


XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2n)a

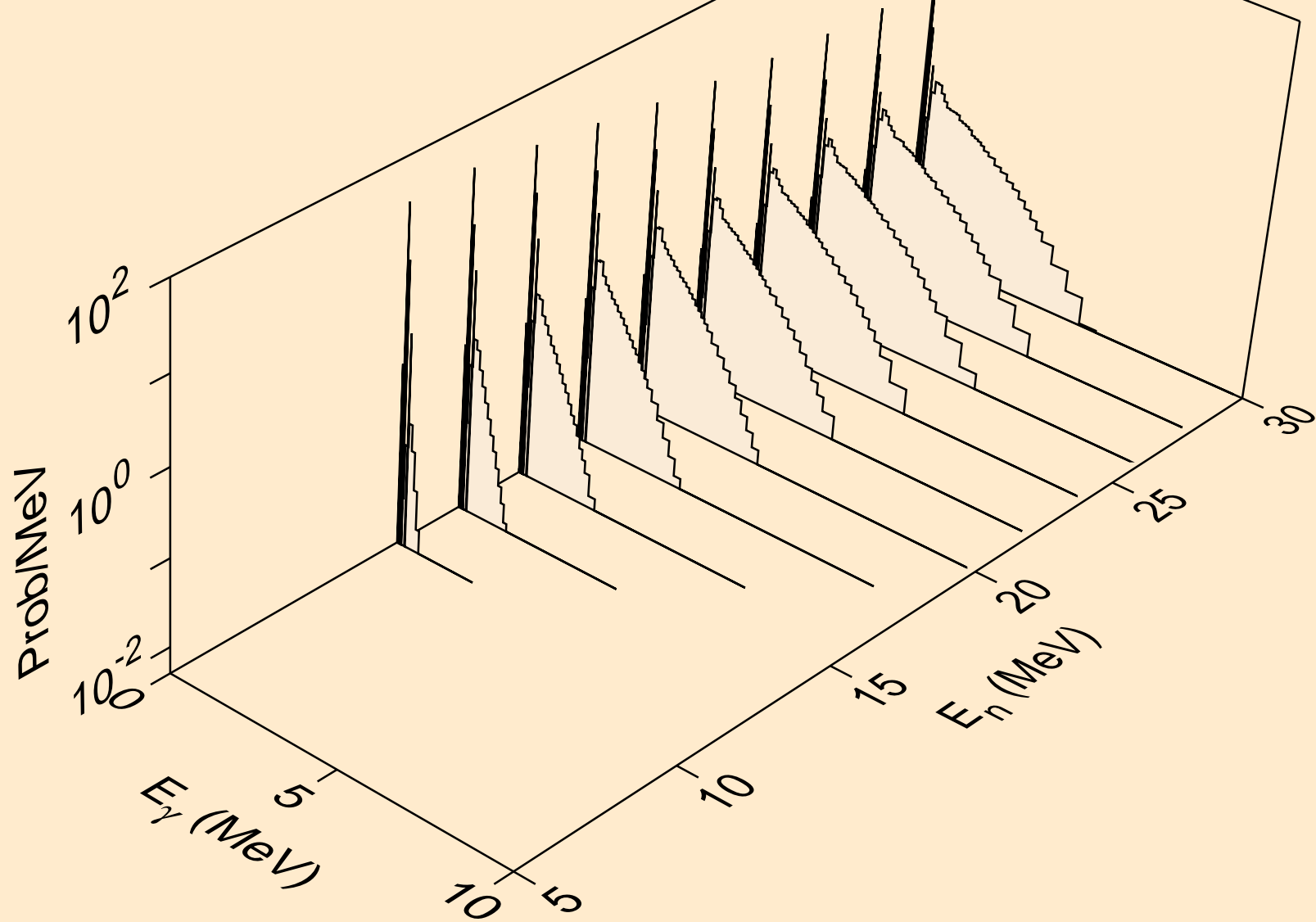




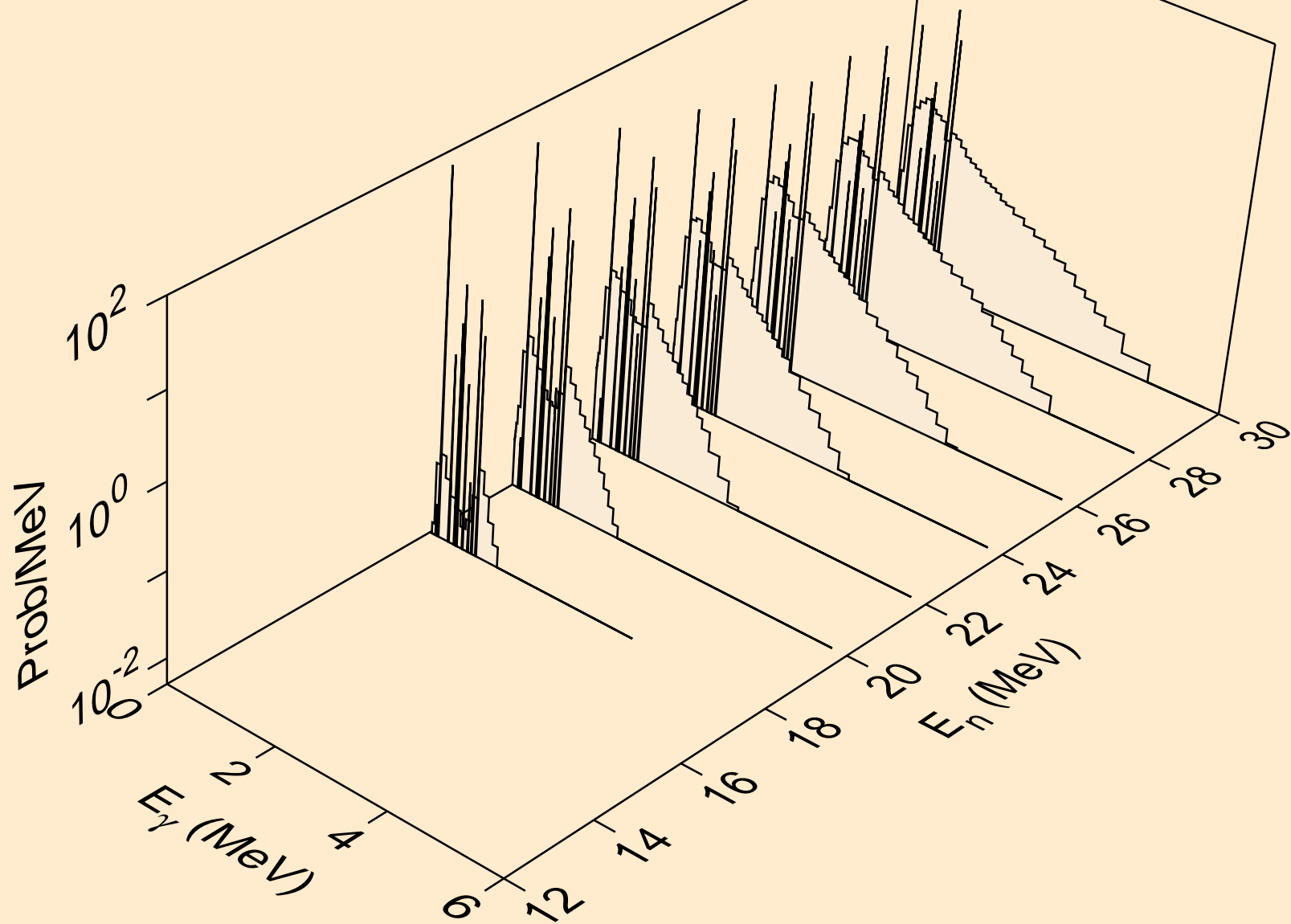
XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3n)a



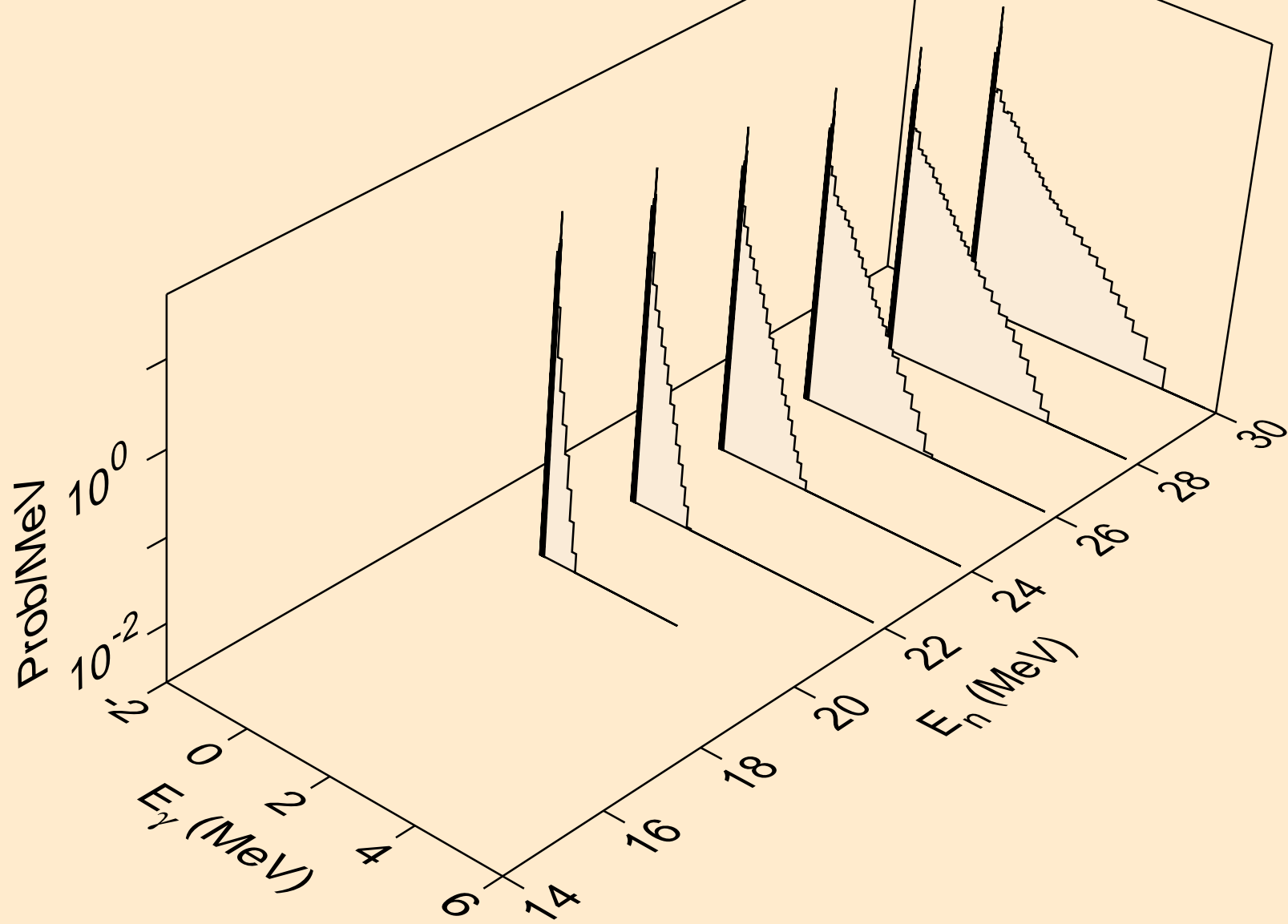
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Photon emission for (n,n\*)p



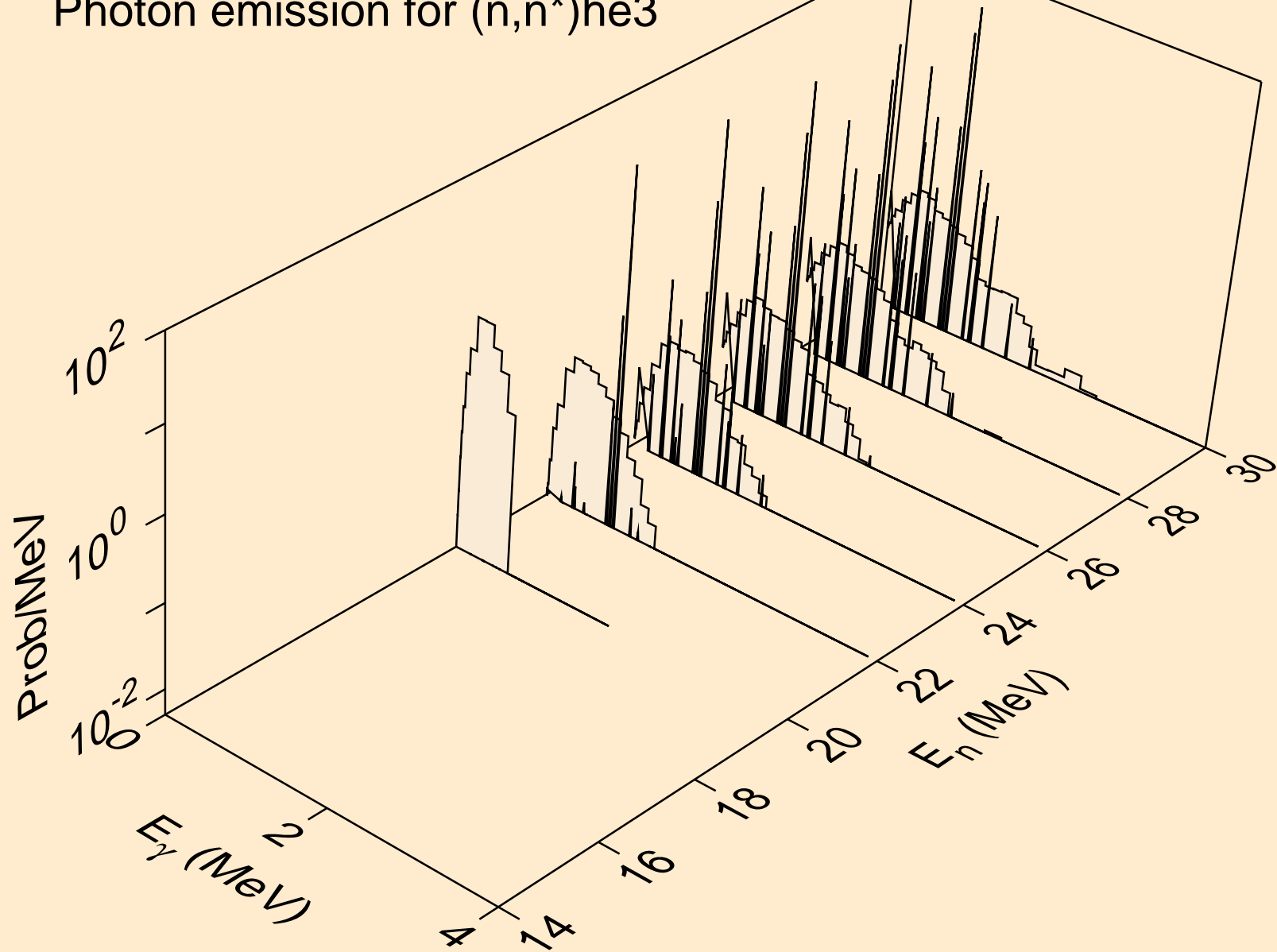
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Photon emission for (n,n\*)d



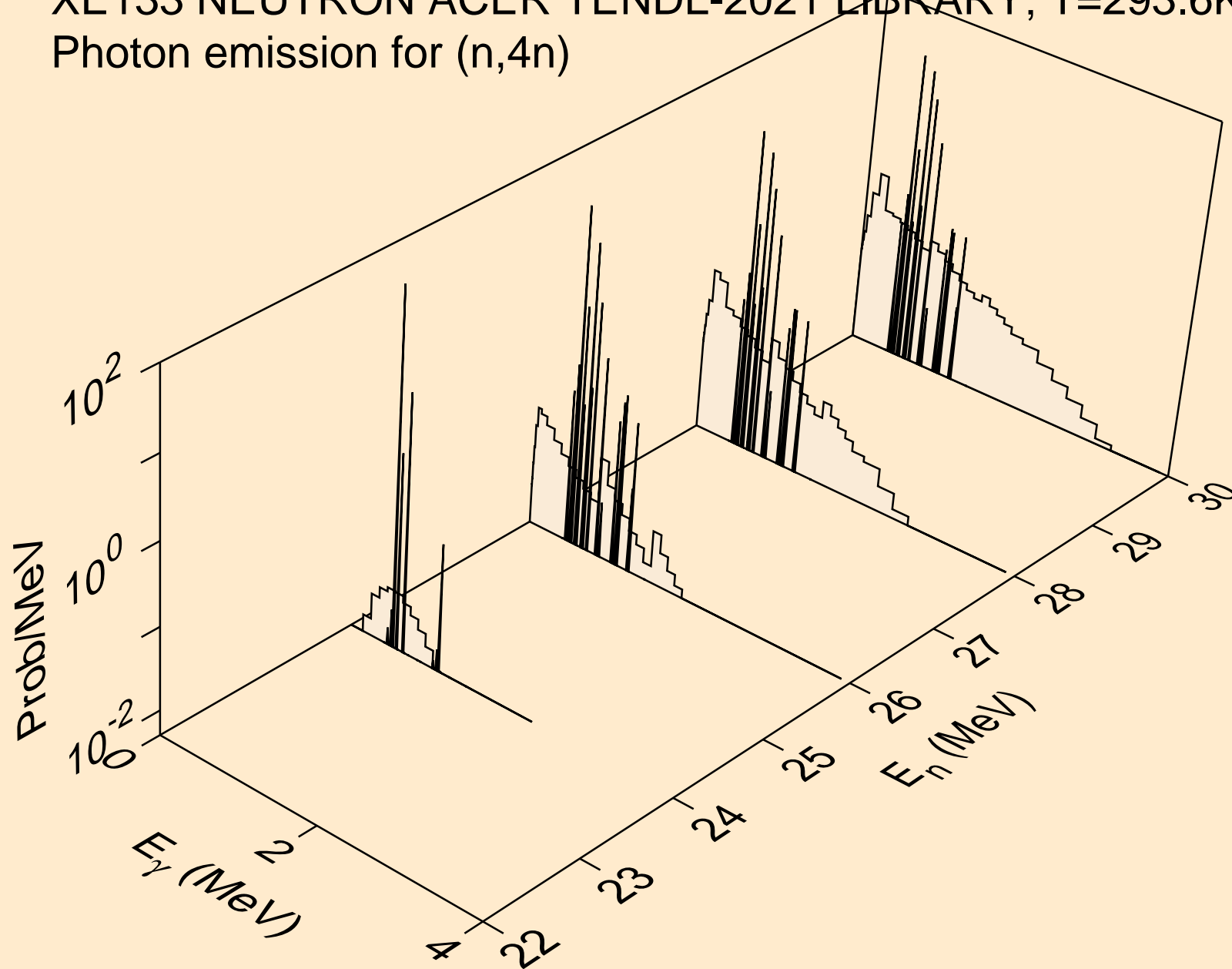
XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)t



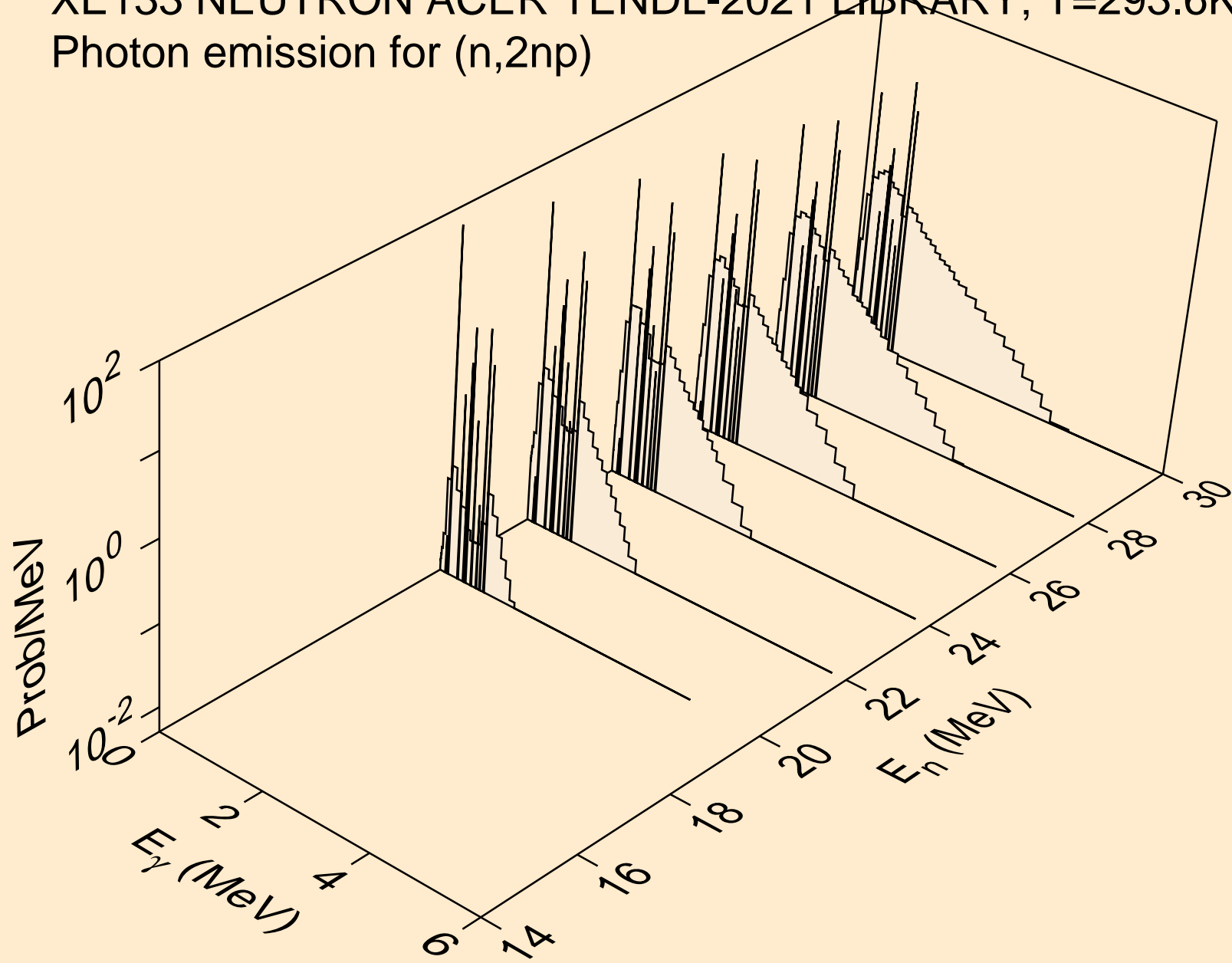
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Photon emission for (n,n\*)he3



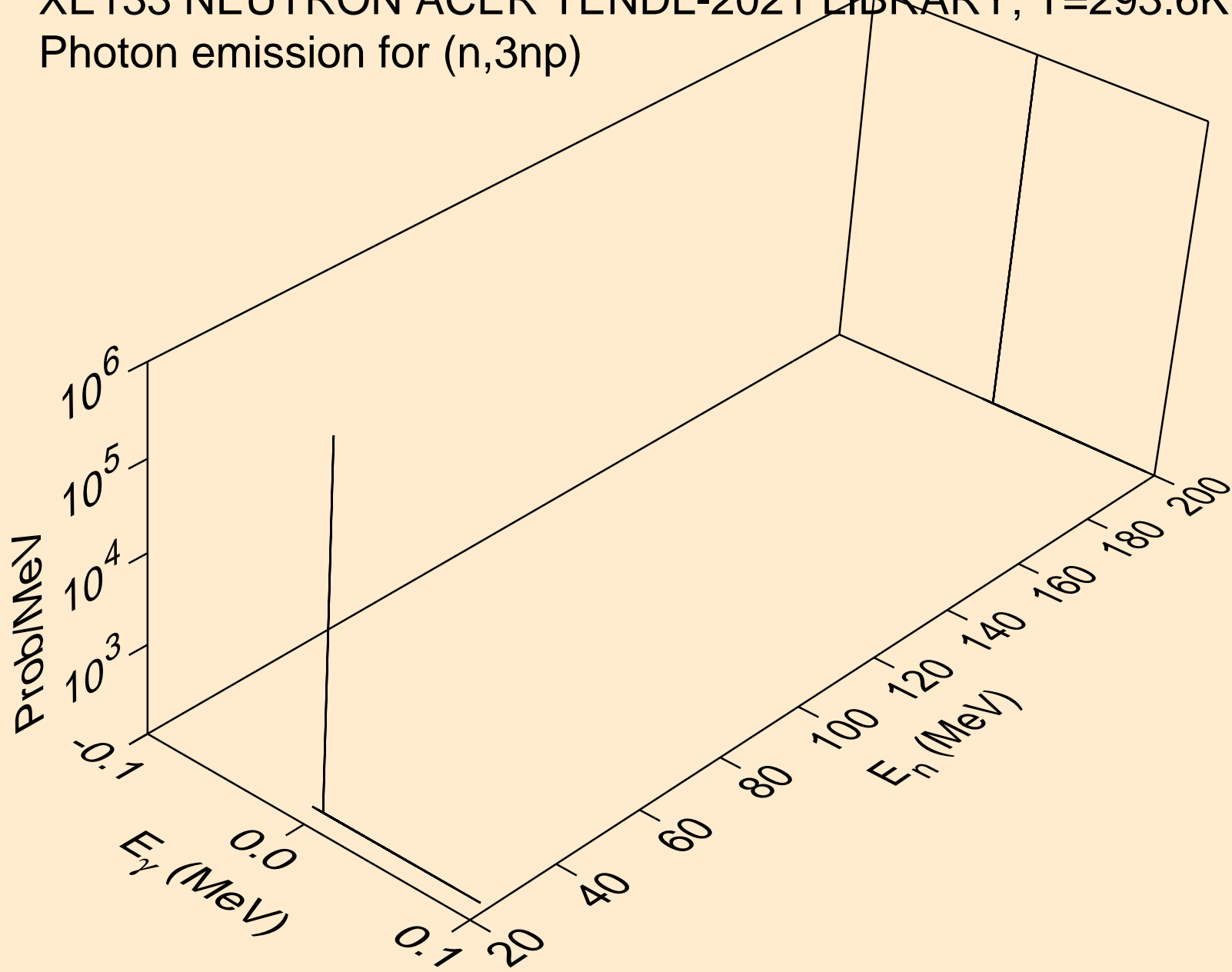
XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,4n)



XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2np)

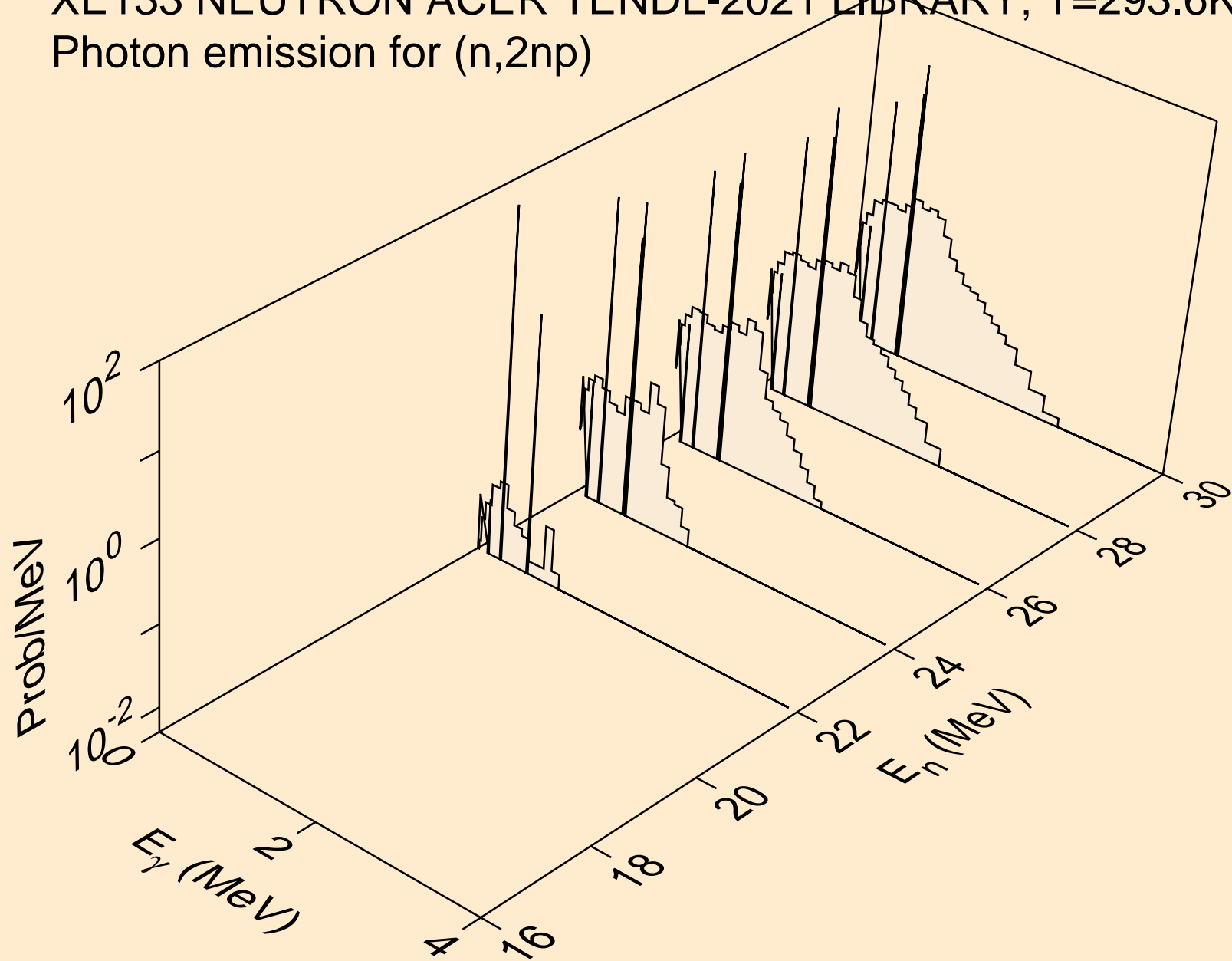


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Photon emission for (n,3np)

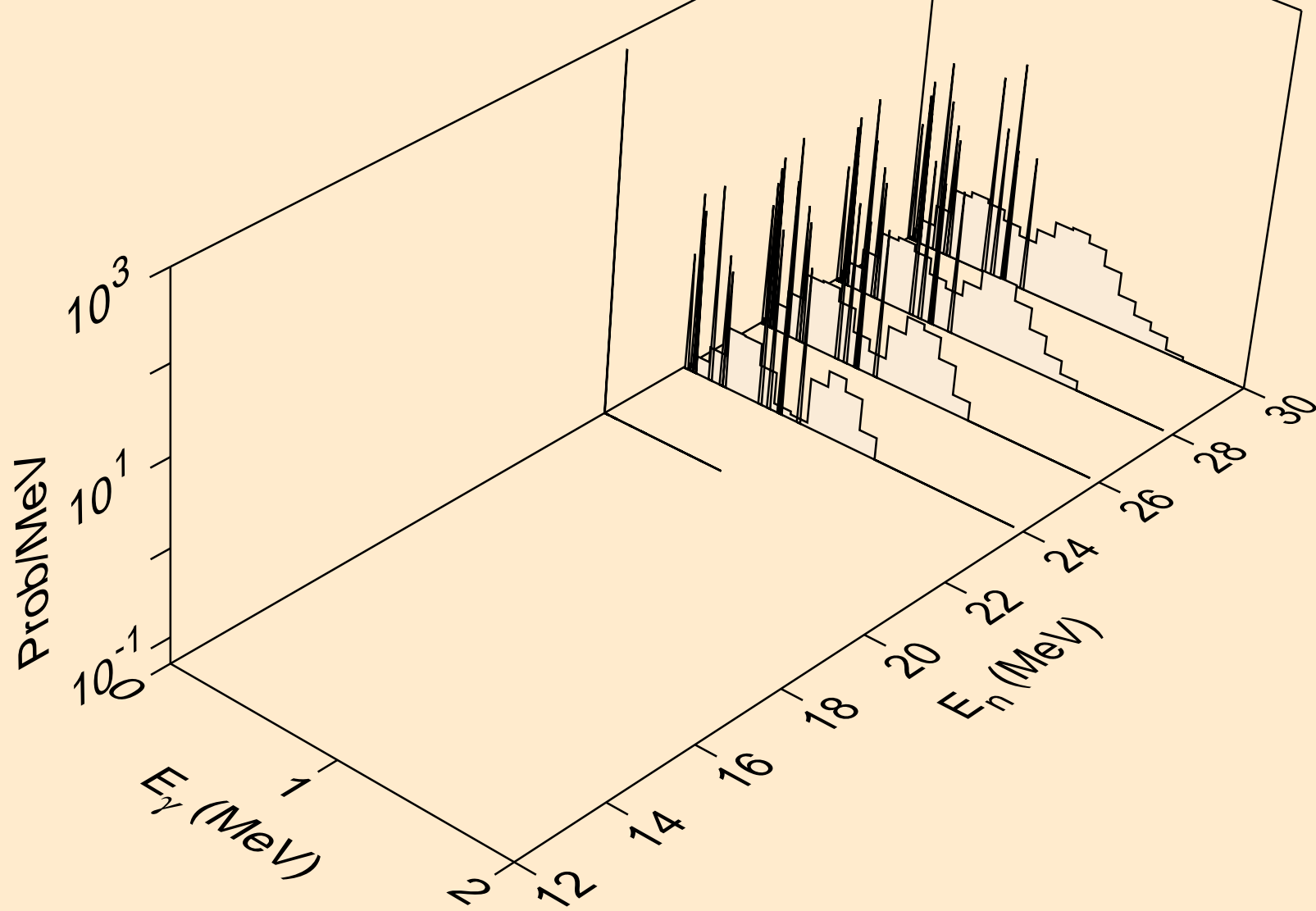




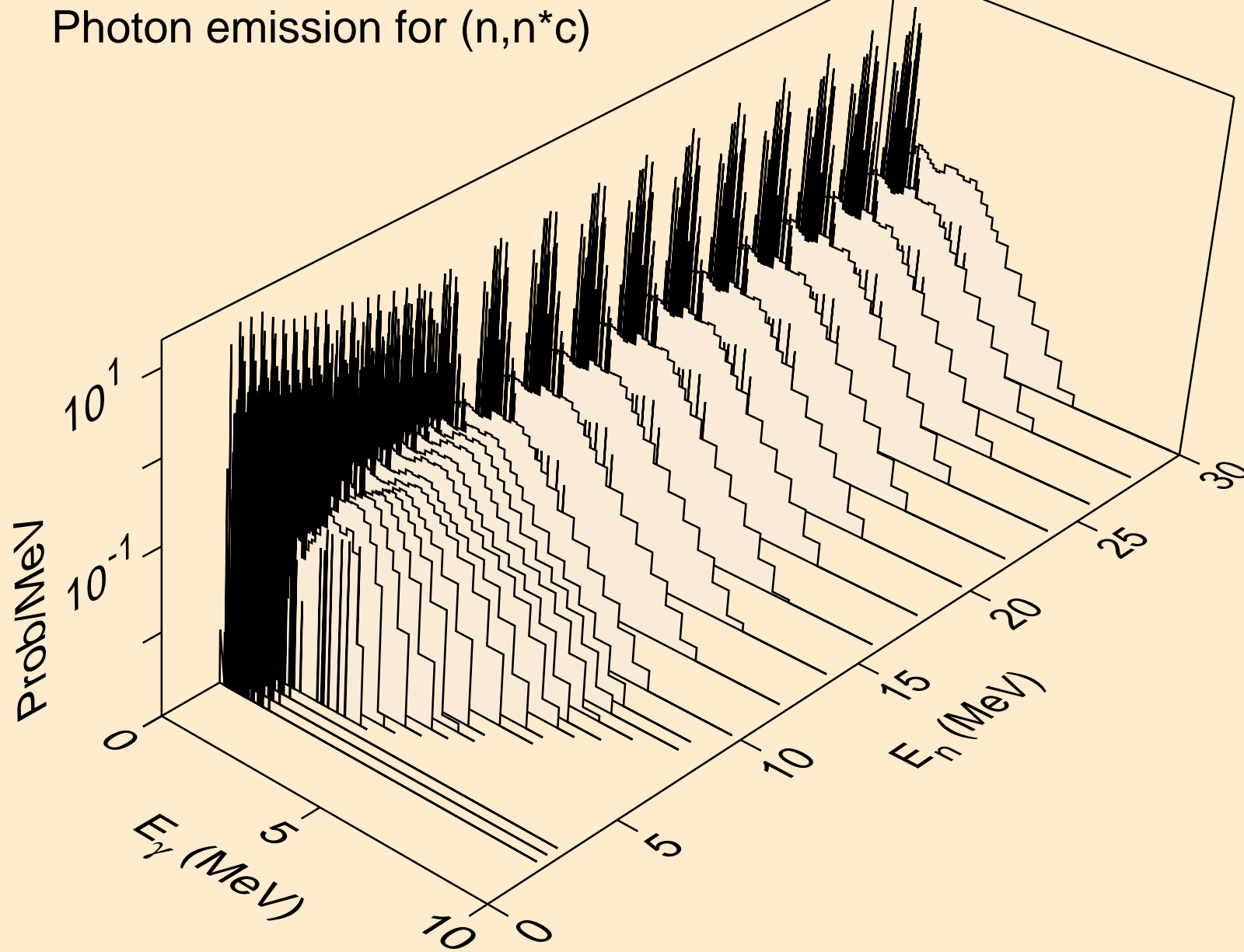
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Photon emission for (n,2np)



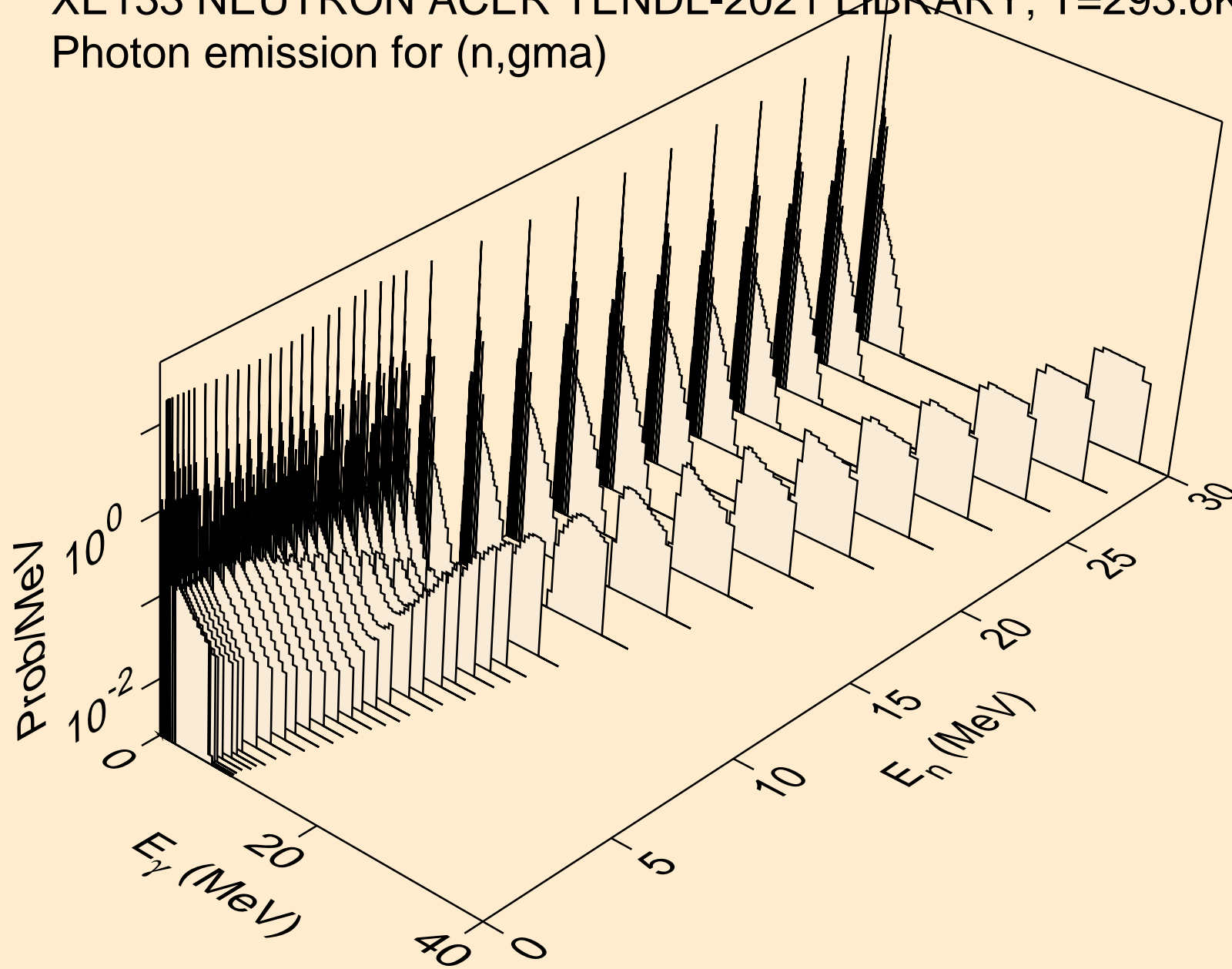
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Photon emission for (n,npa)



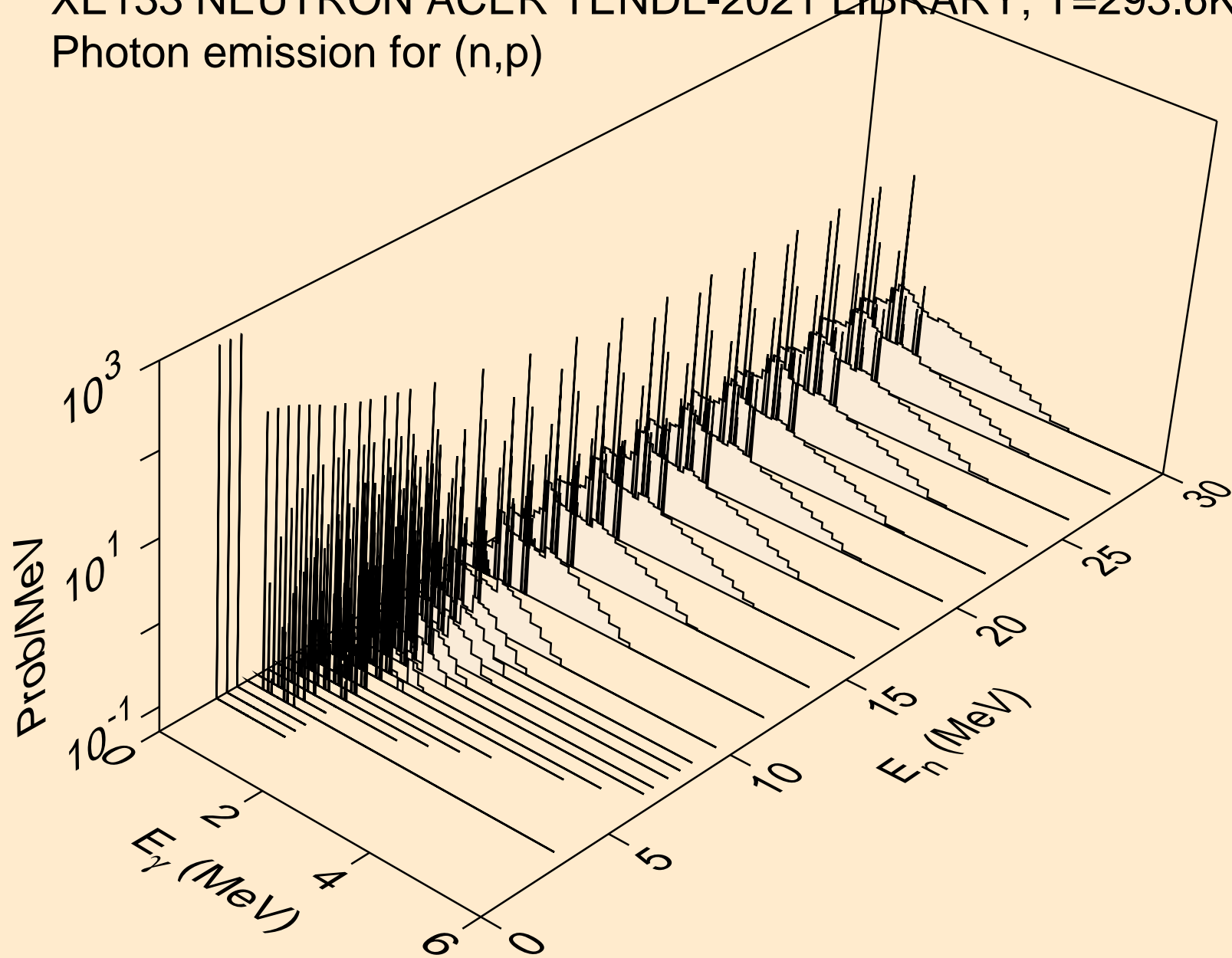
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Photon emission for (n,n\*c)



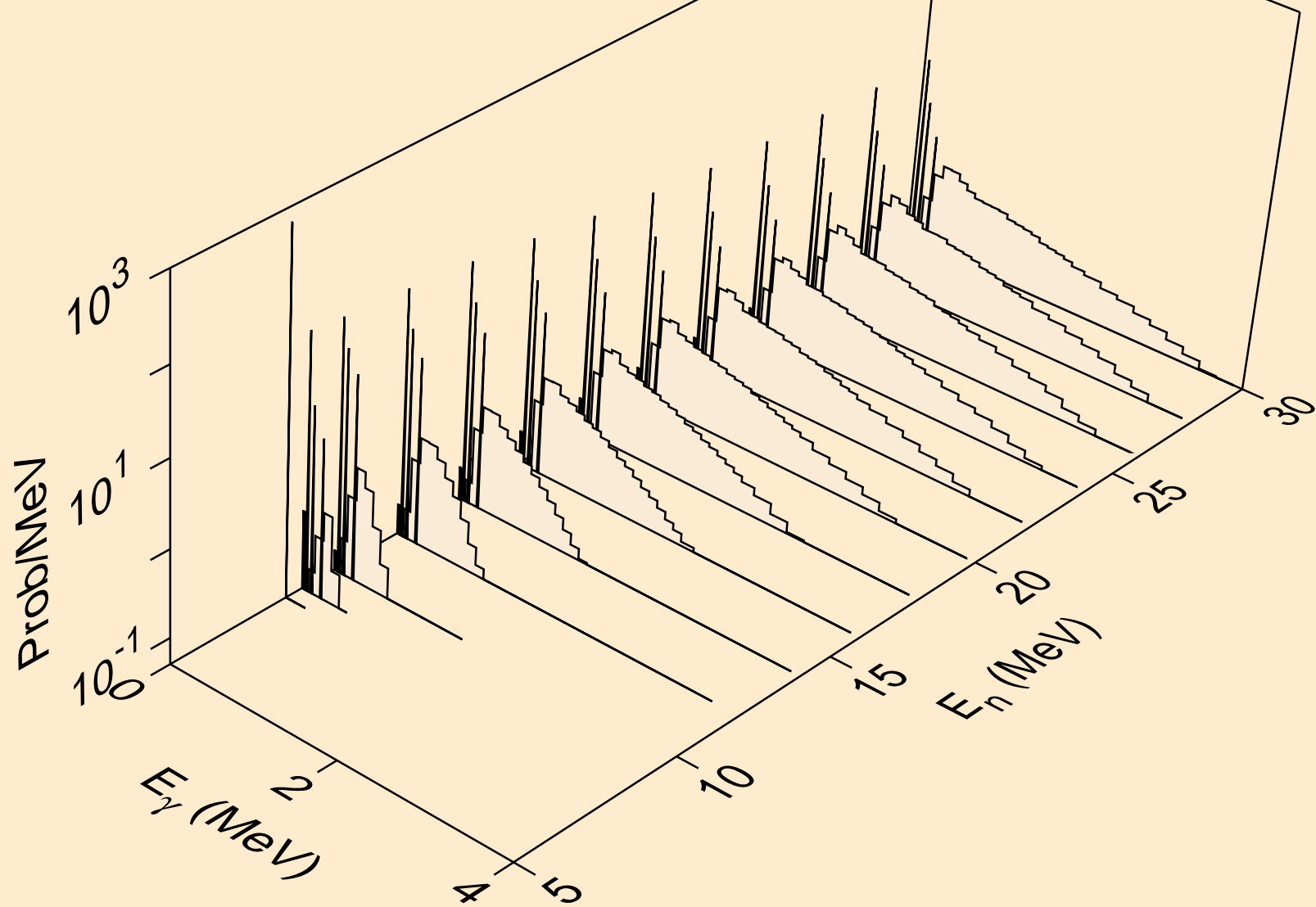
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Photon emission for (n,gma)



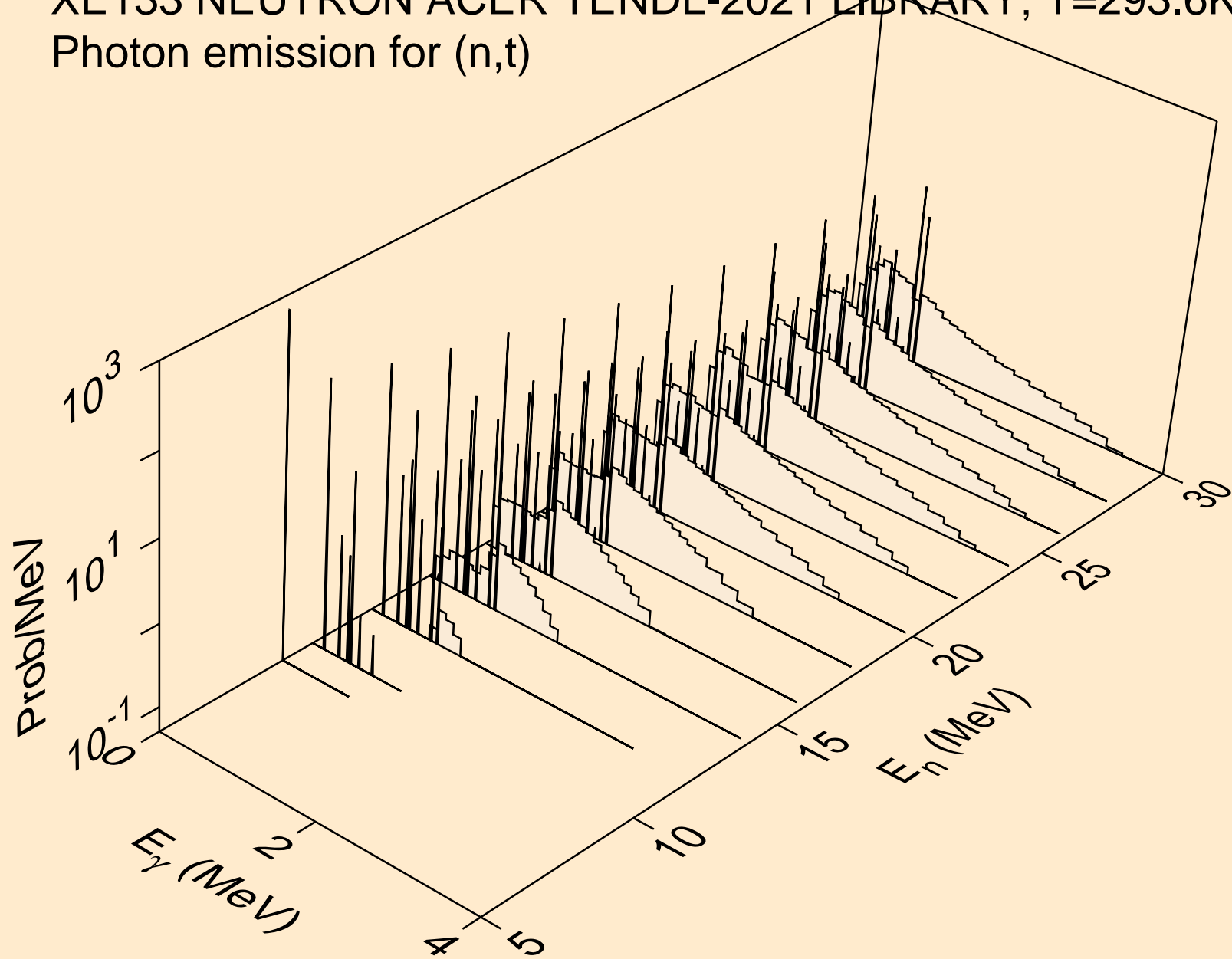
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Photon emission for (n,p)



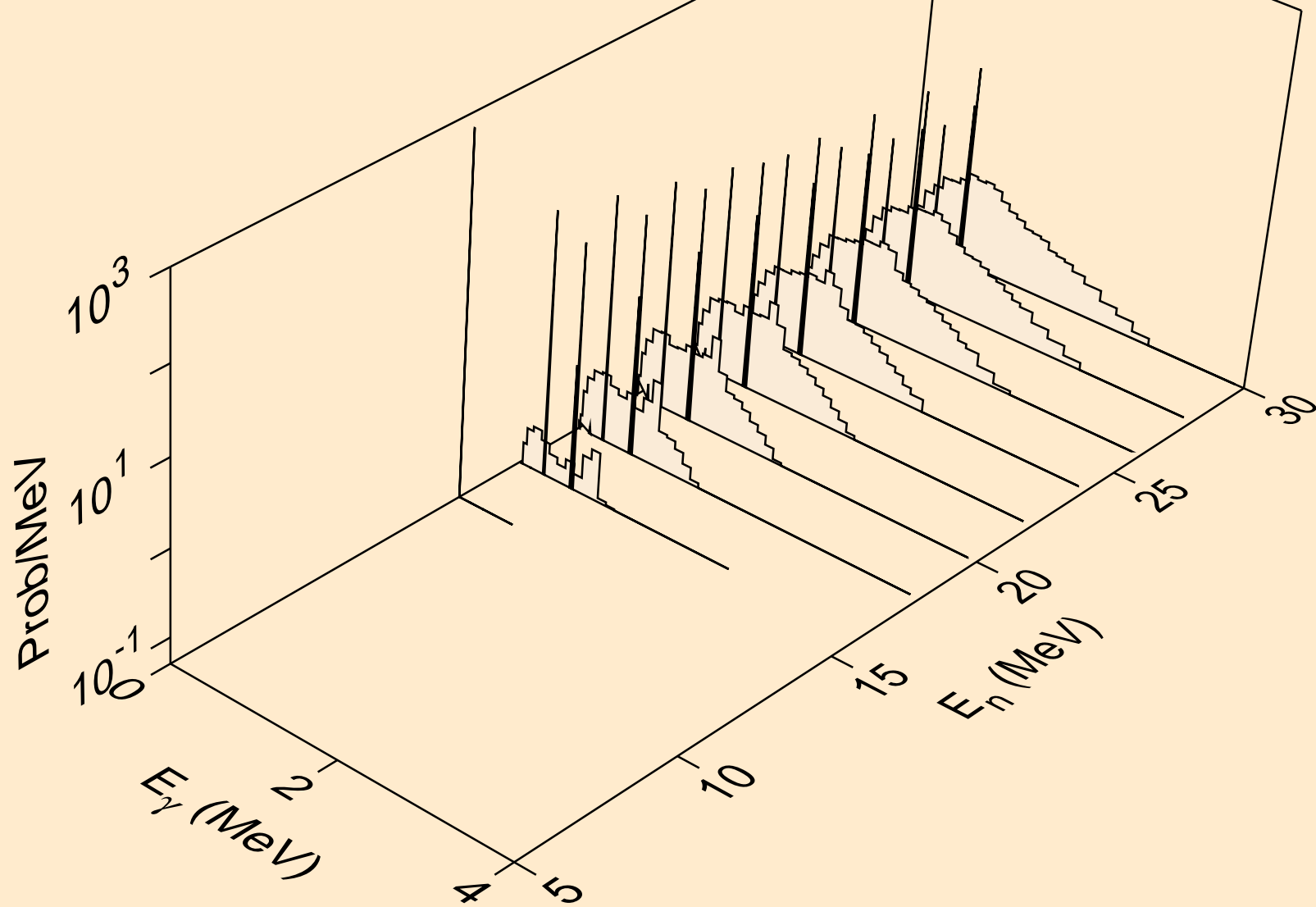
XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,d)



XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,t)

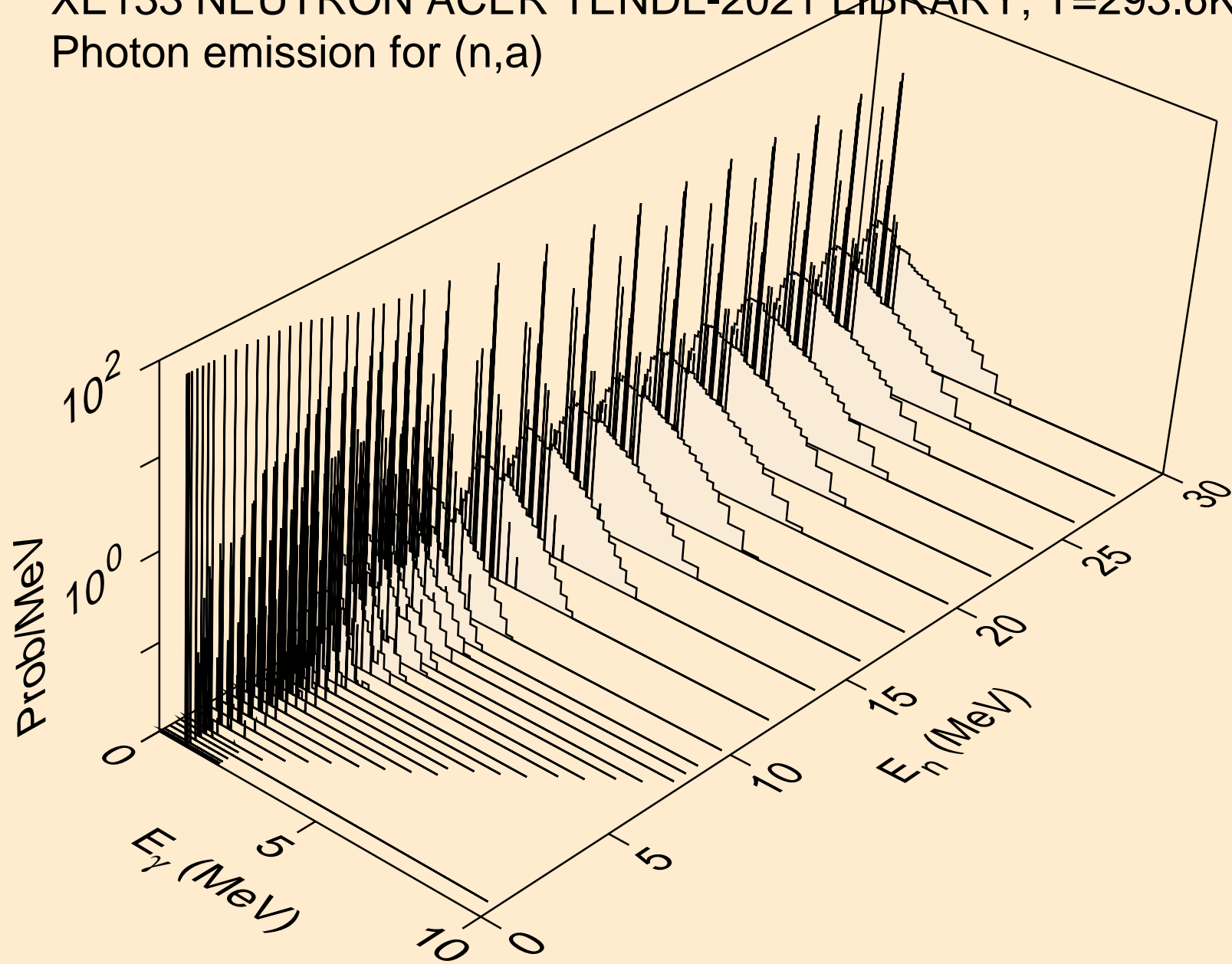


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Photon emission for (n,he3)

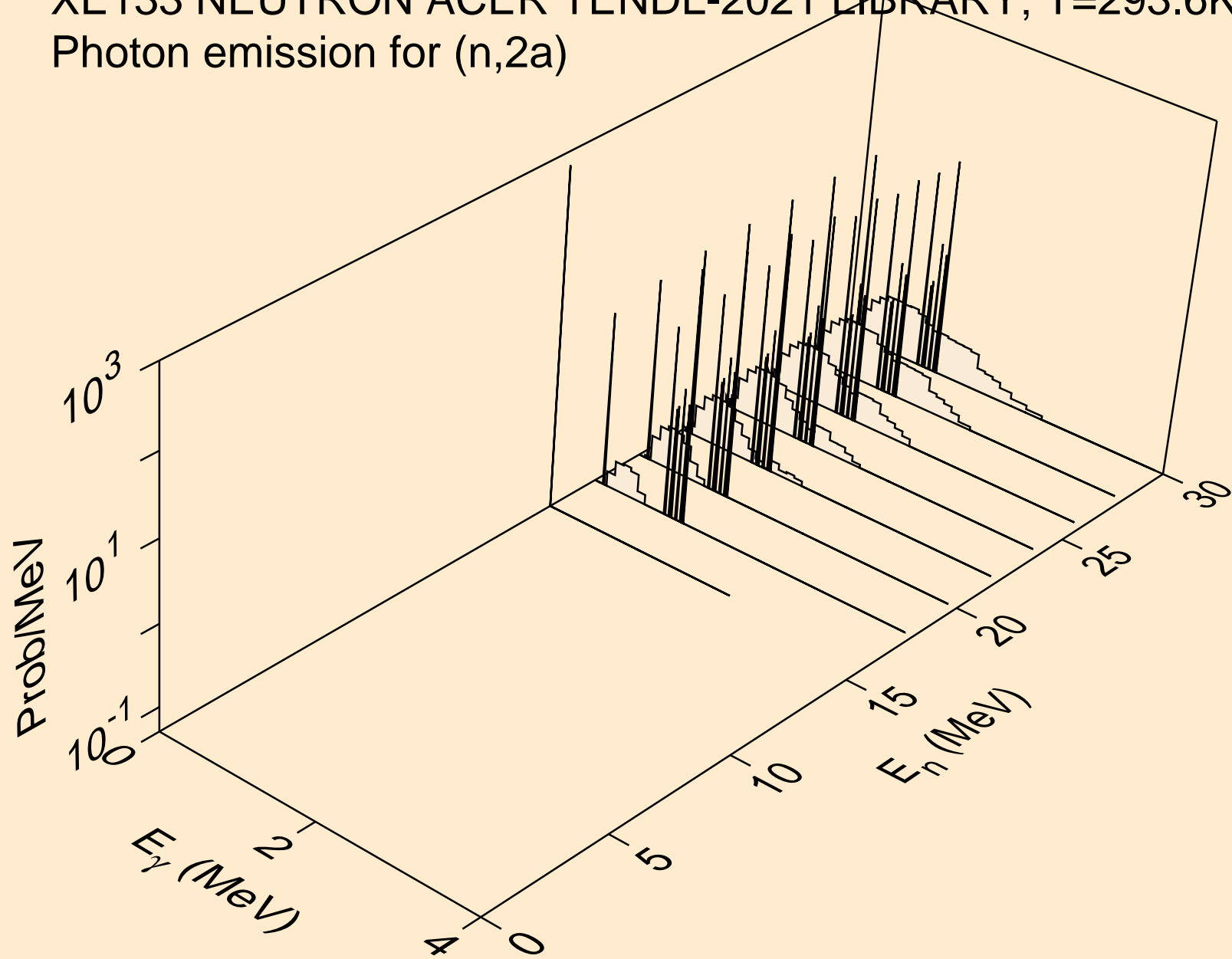




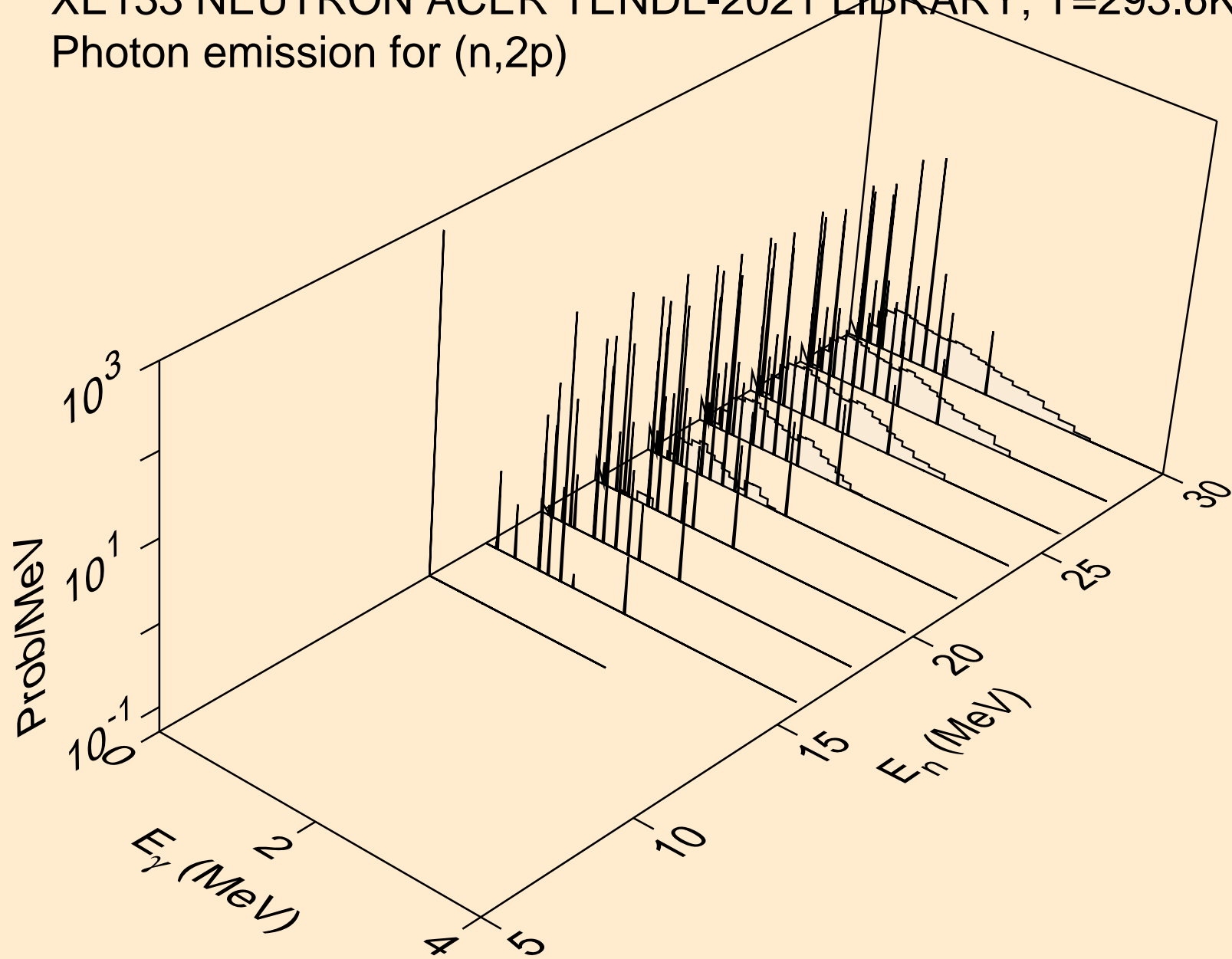
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Photon emission for (n,a)



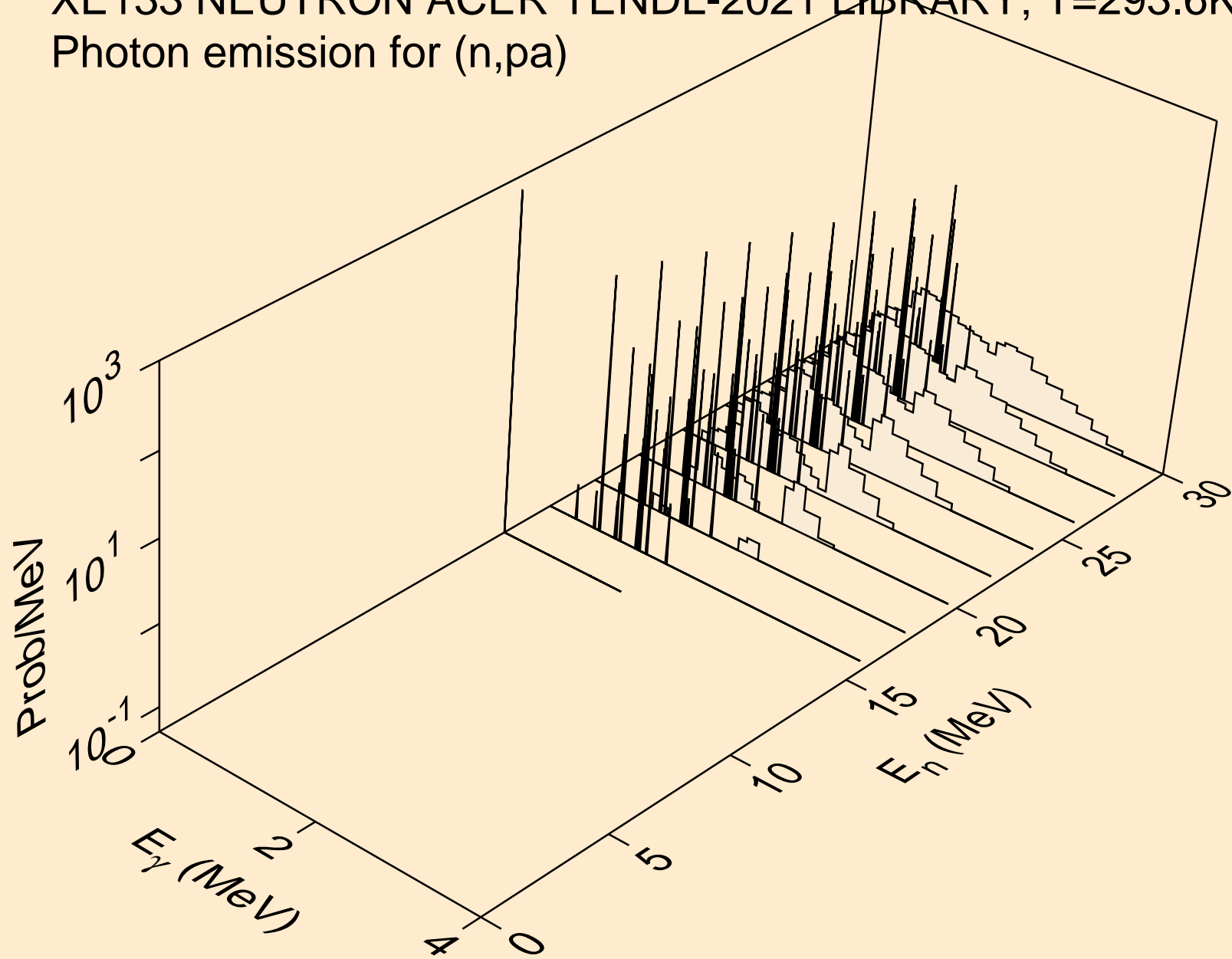
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Photon emission for (n,2a)



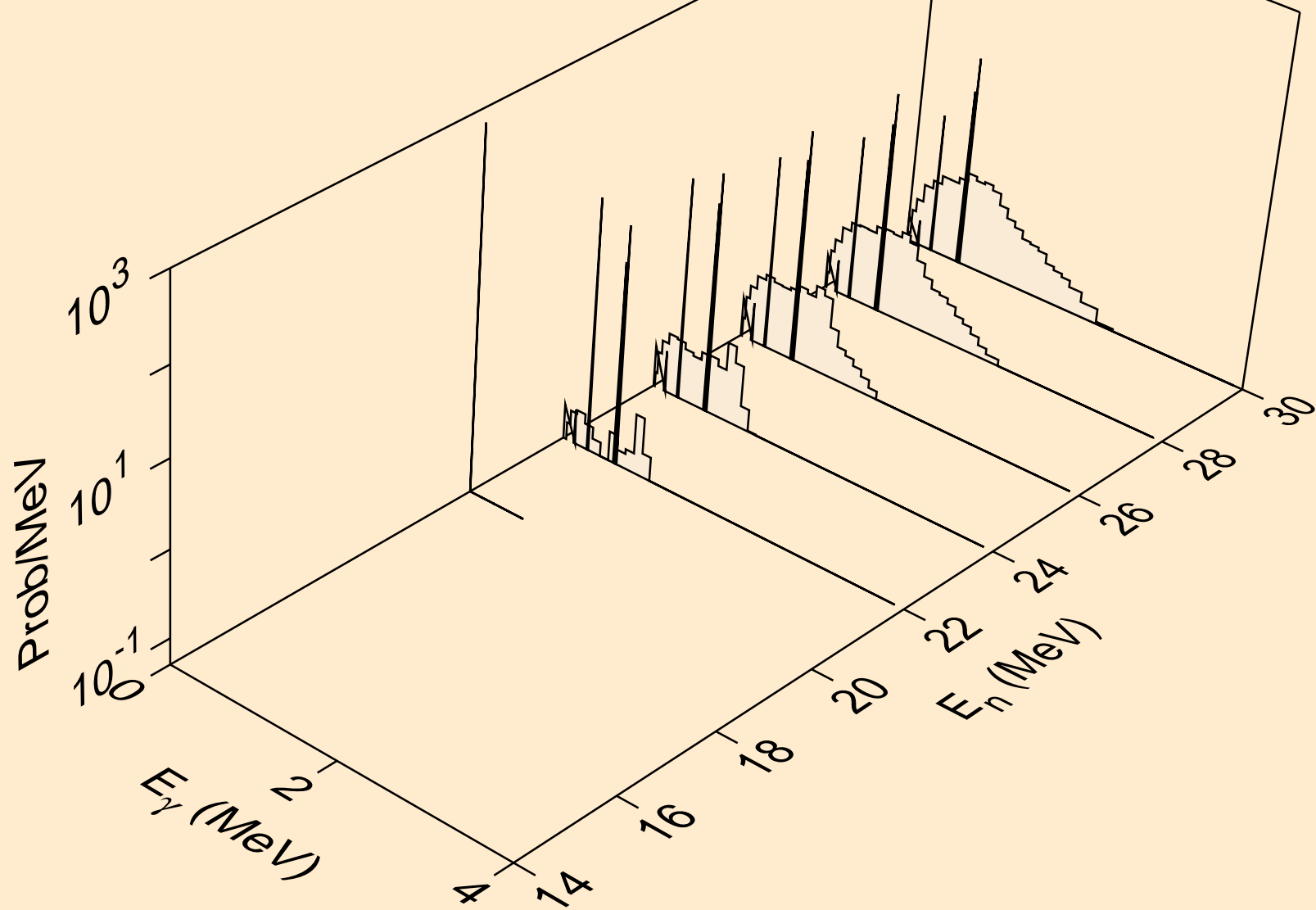
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Photon emission for (n,2p)



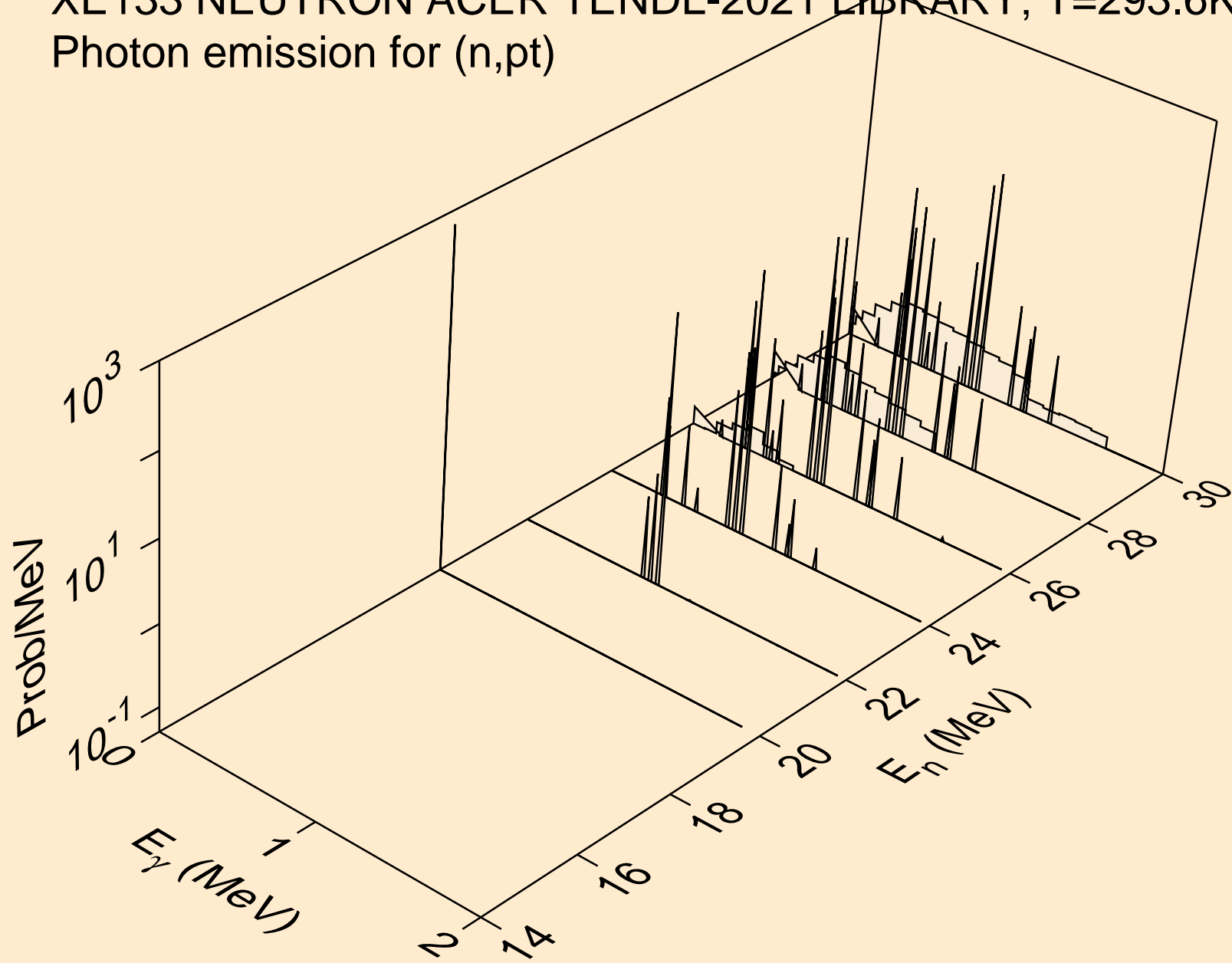
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Photon emission for (n,p $\alpha$ )



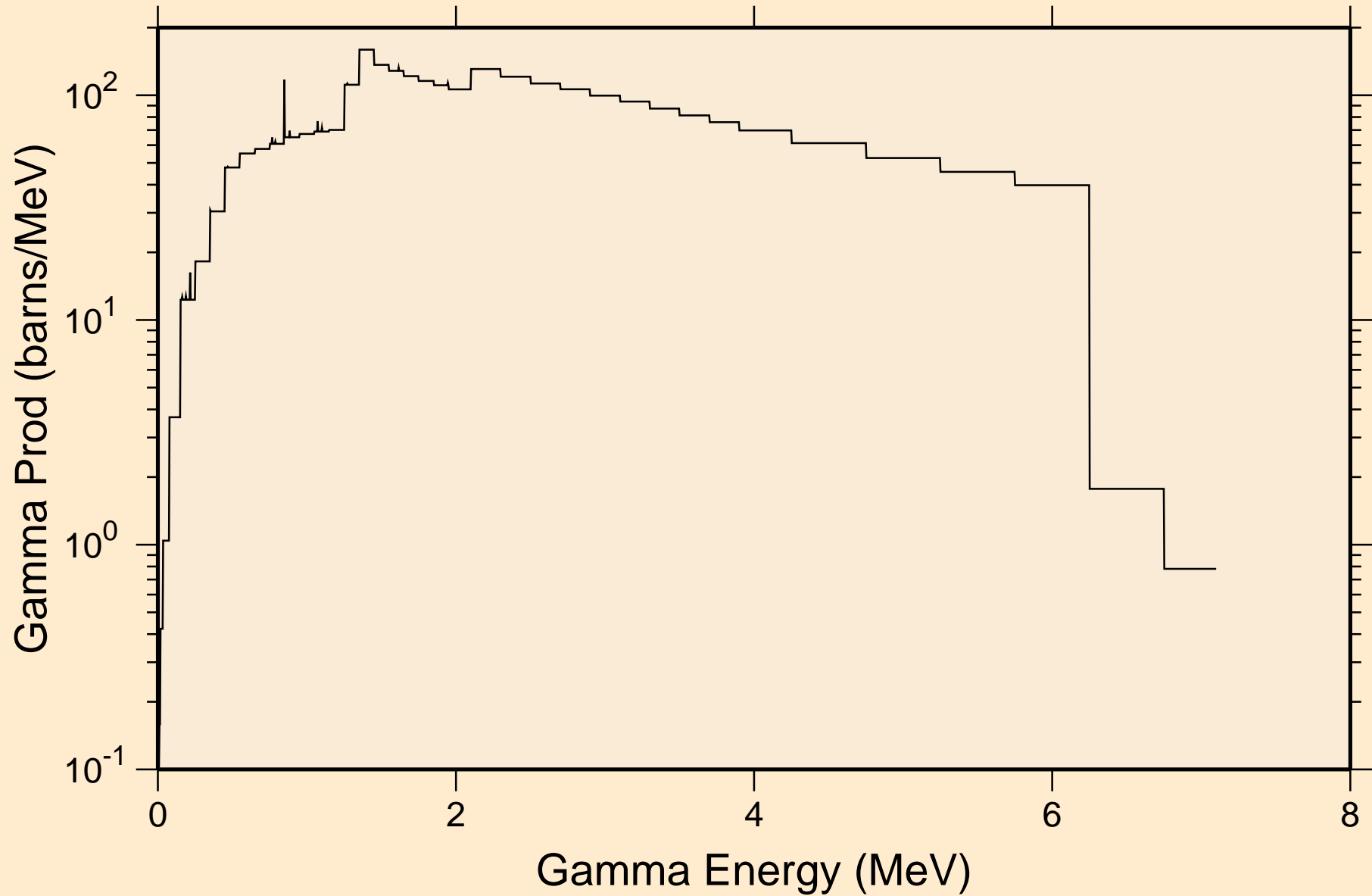
XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,pd)



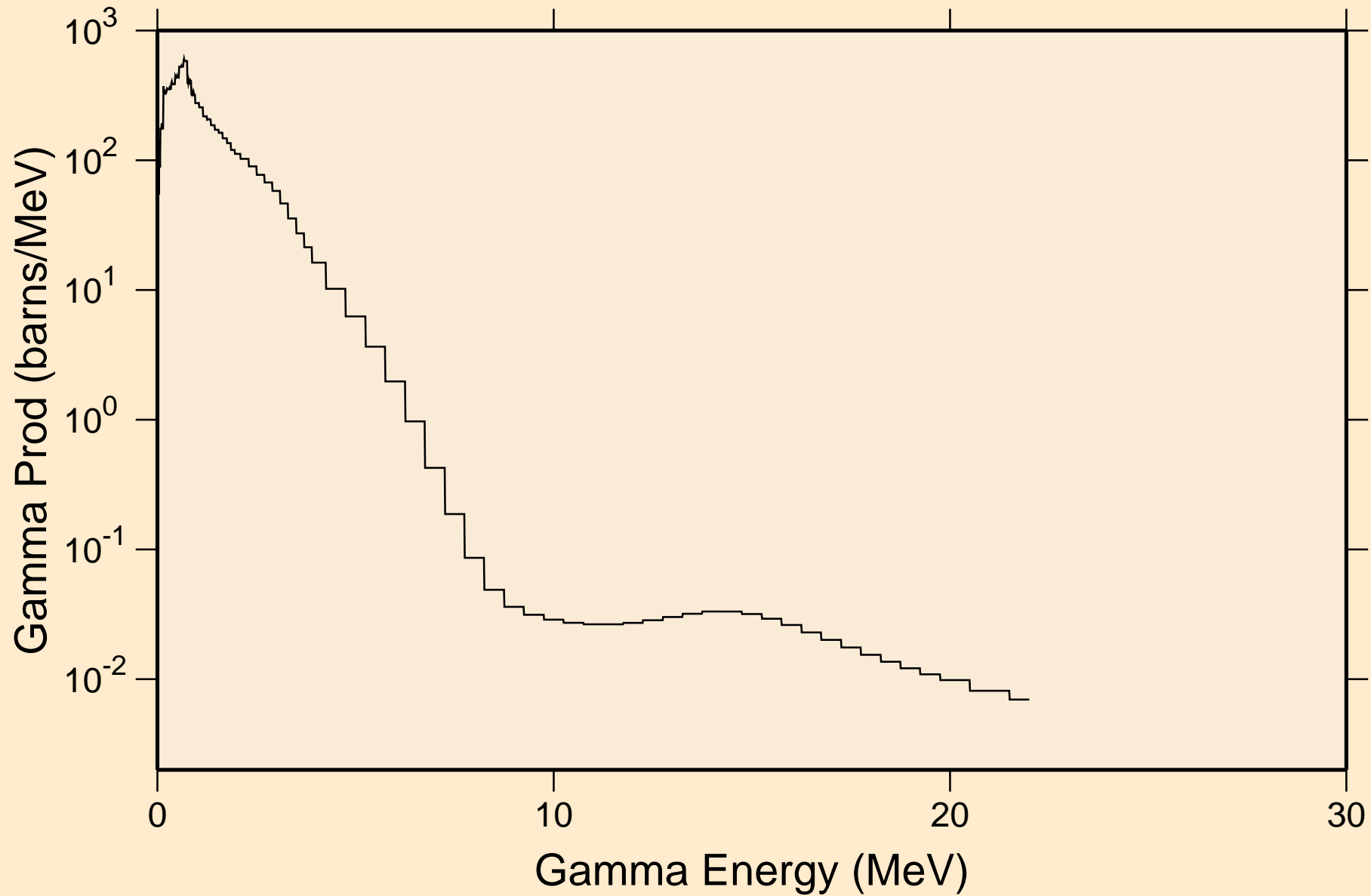
XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,pt)



XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
thermal capture photon spectrum



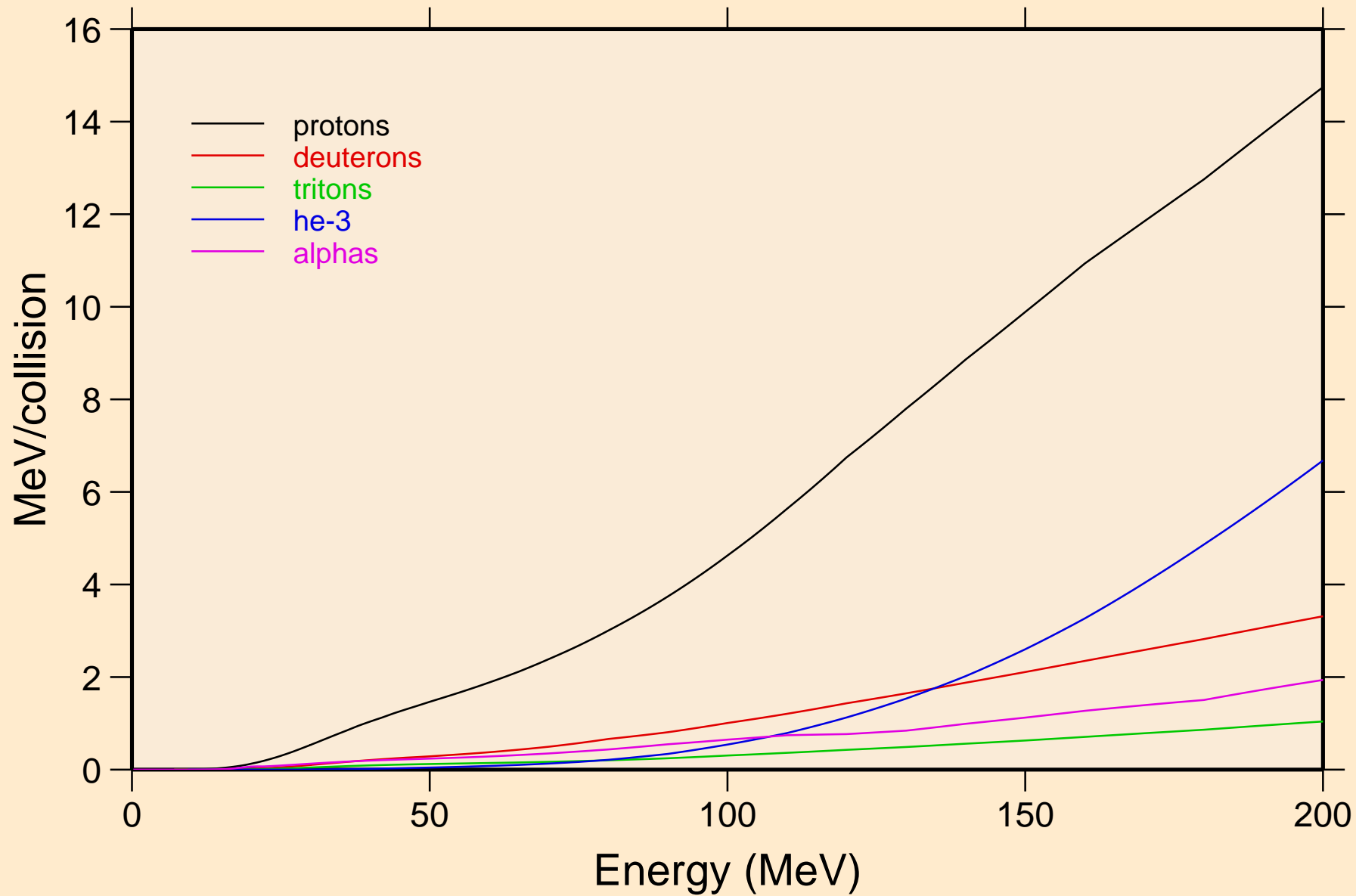
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14 MeV photon spectrum



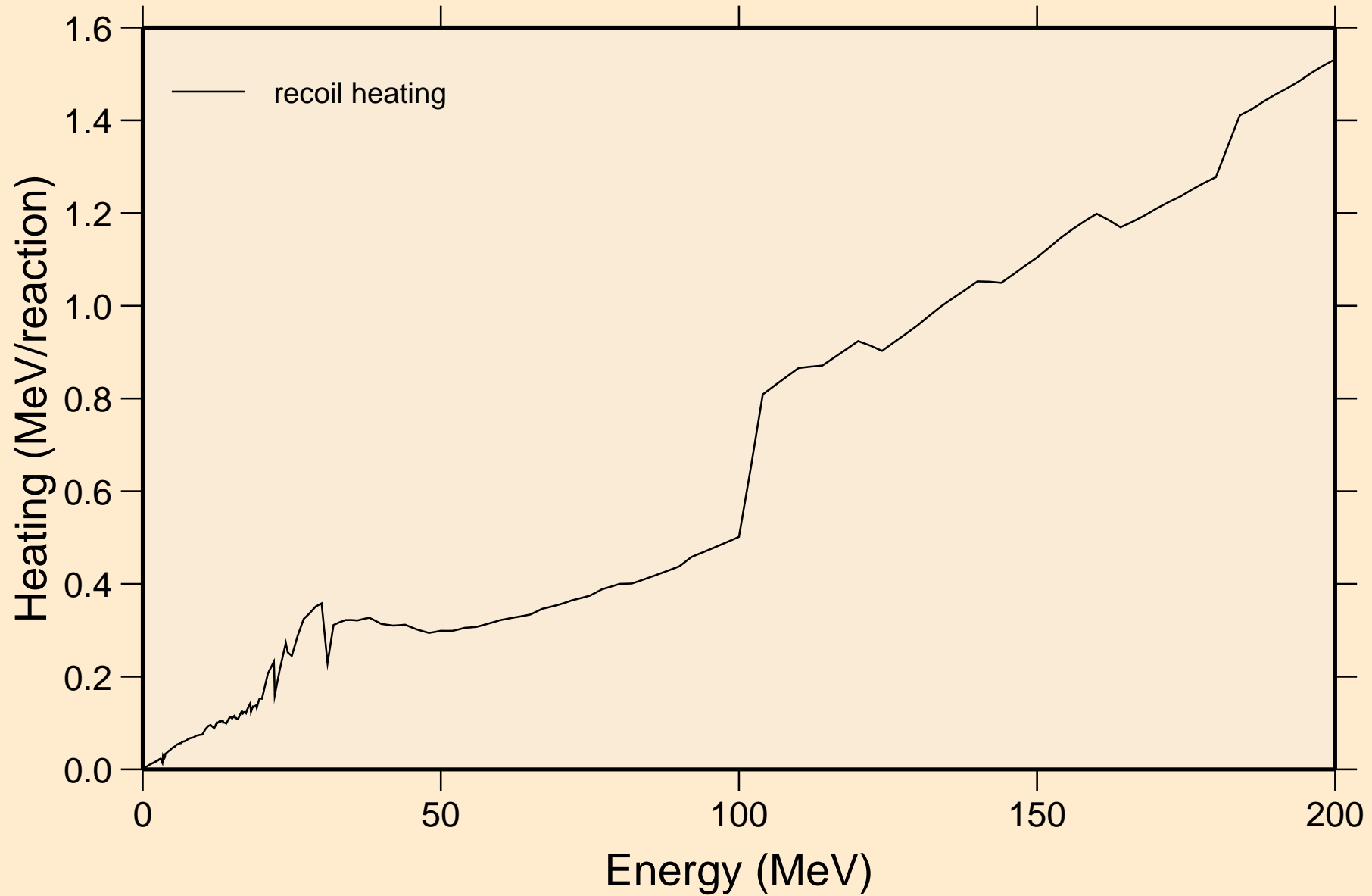


# XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Particle heating contributions

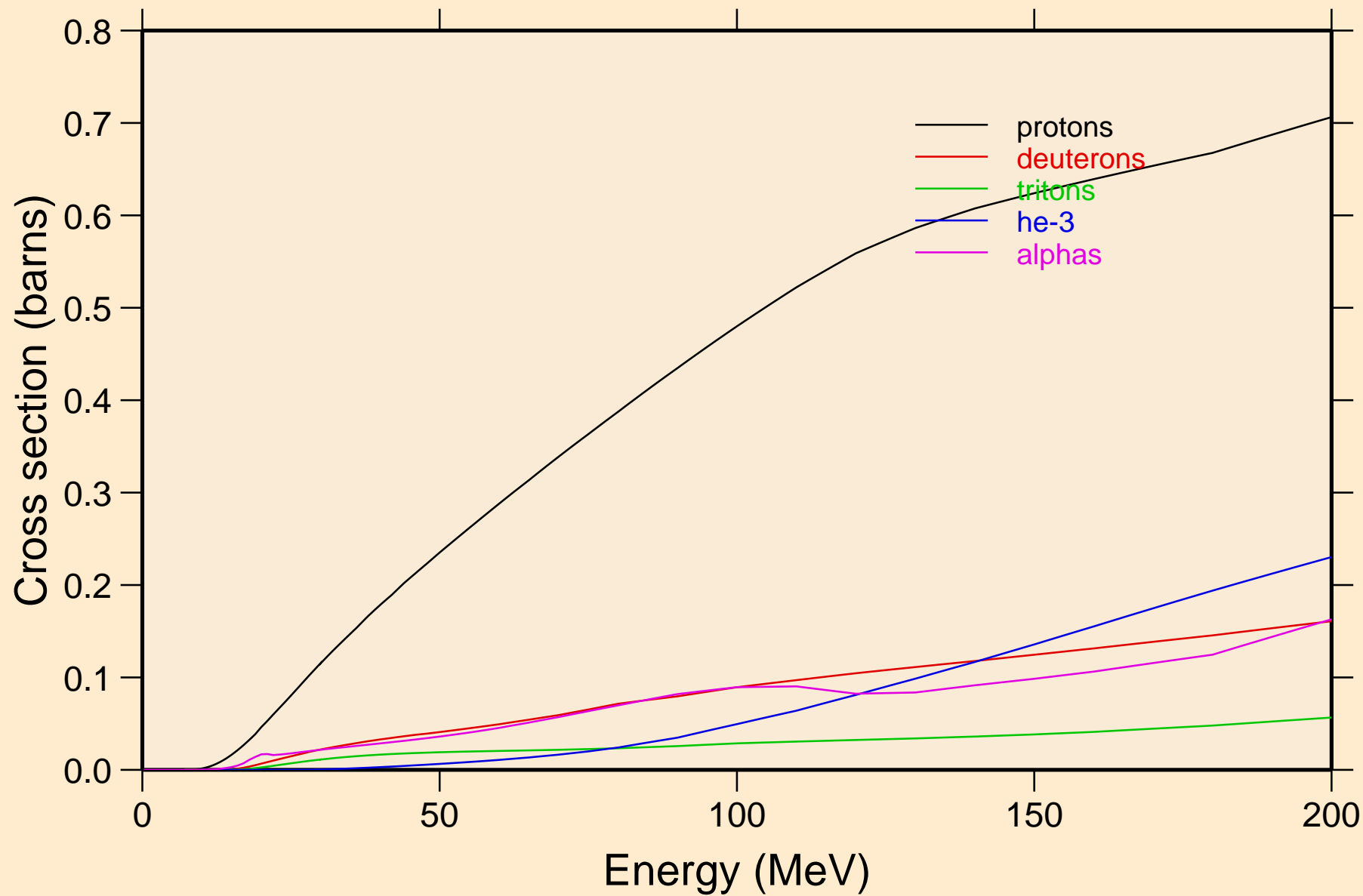


XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Recoil Heating

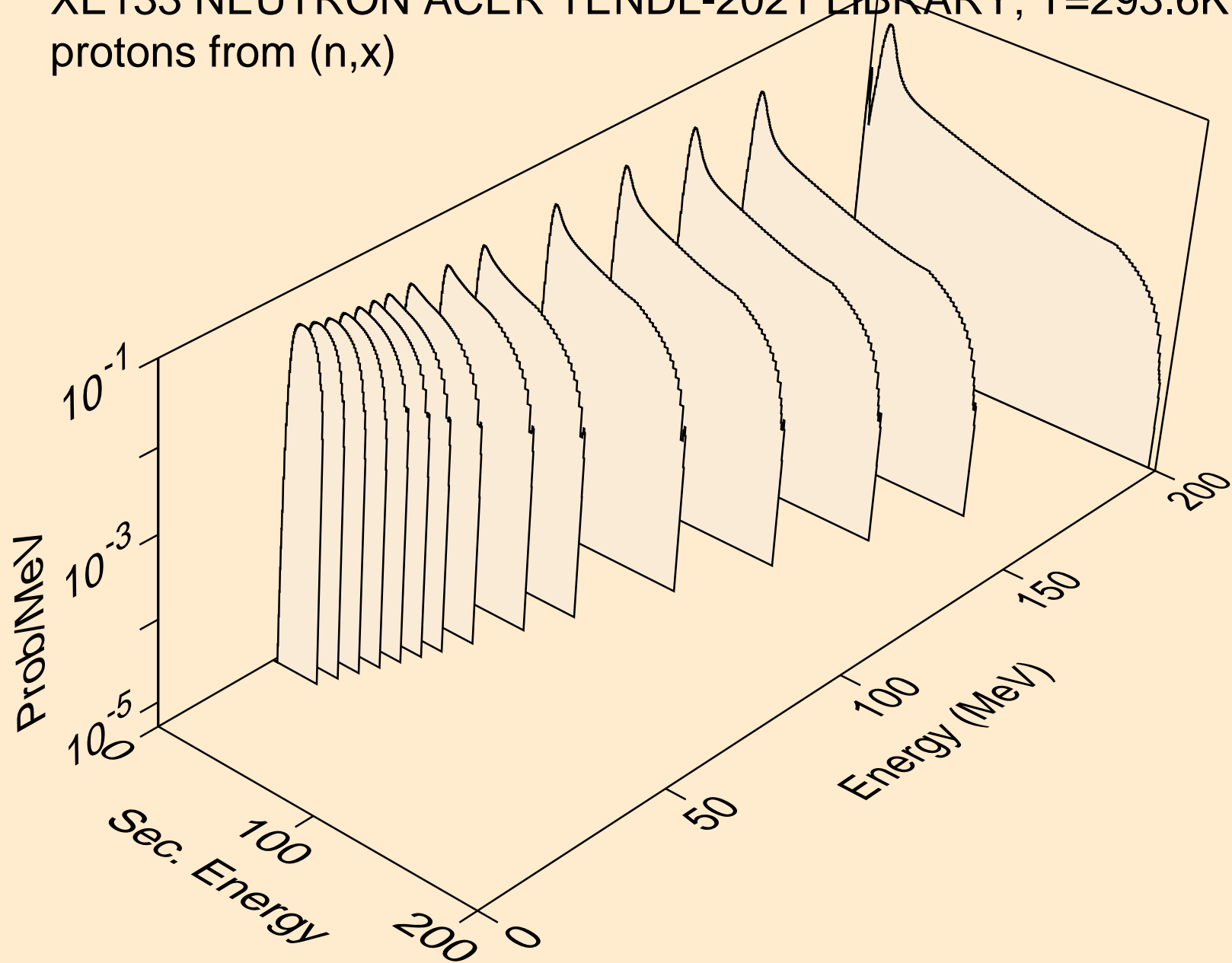


# XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

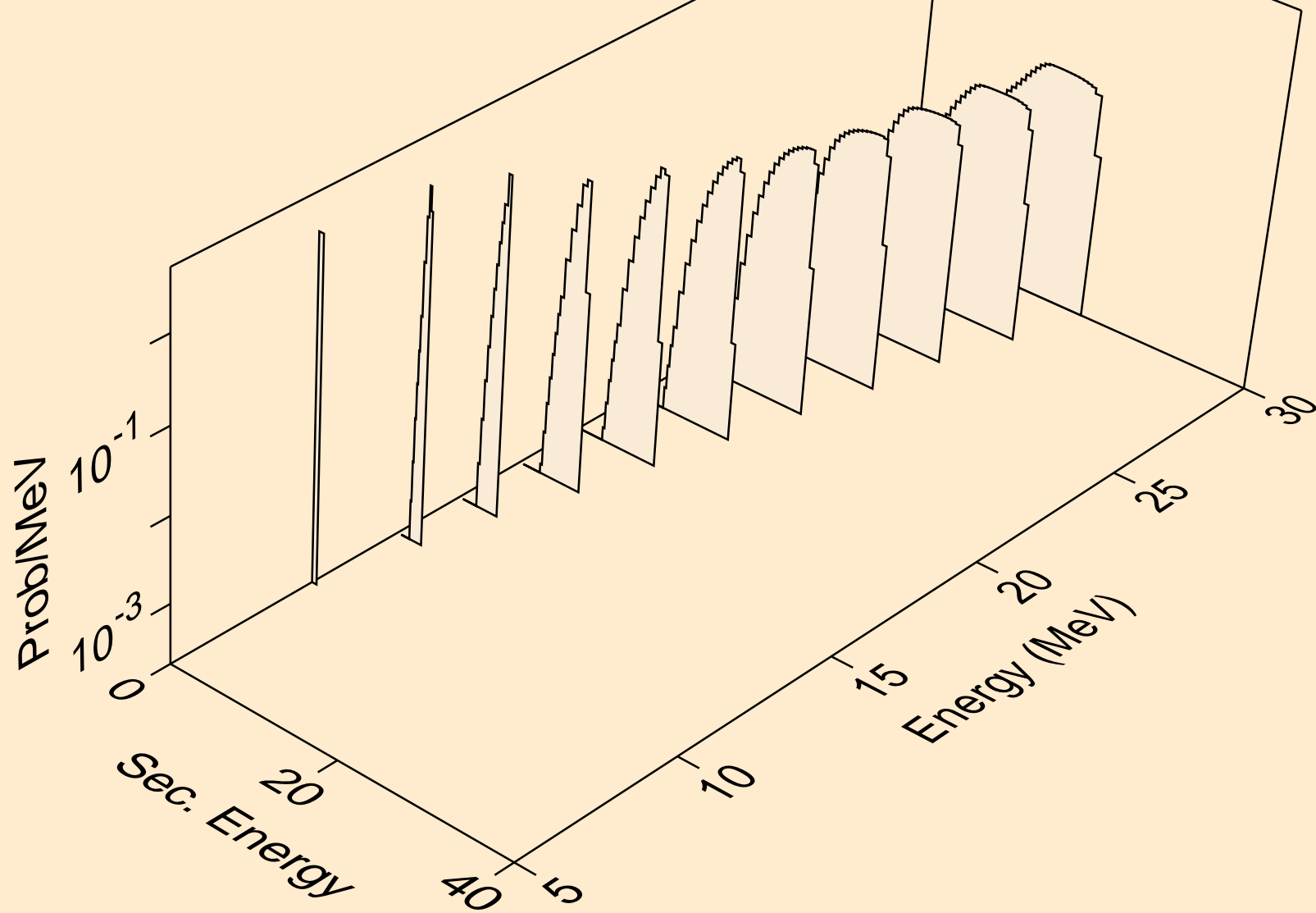
## Particle production cross sections



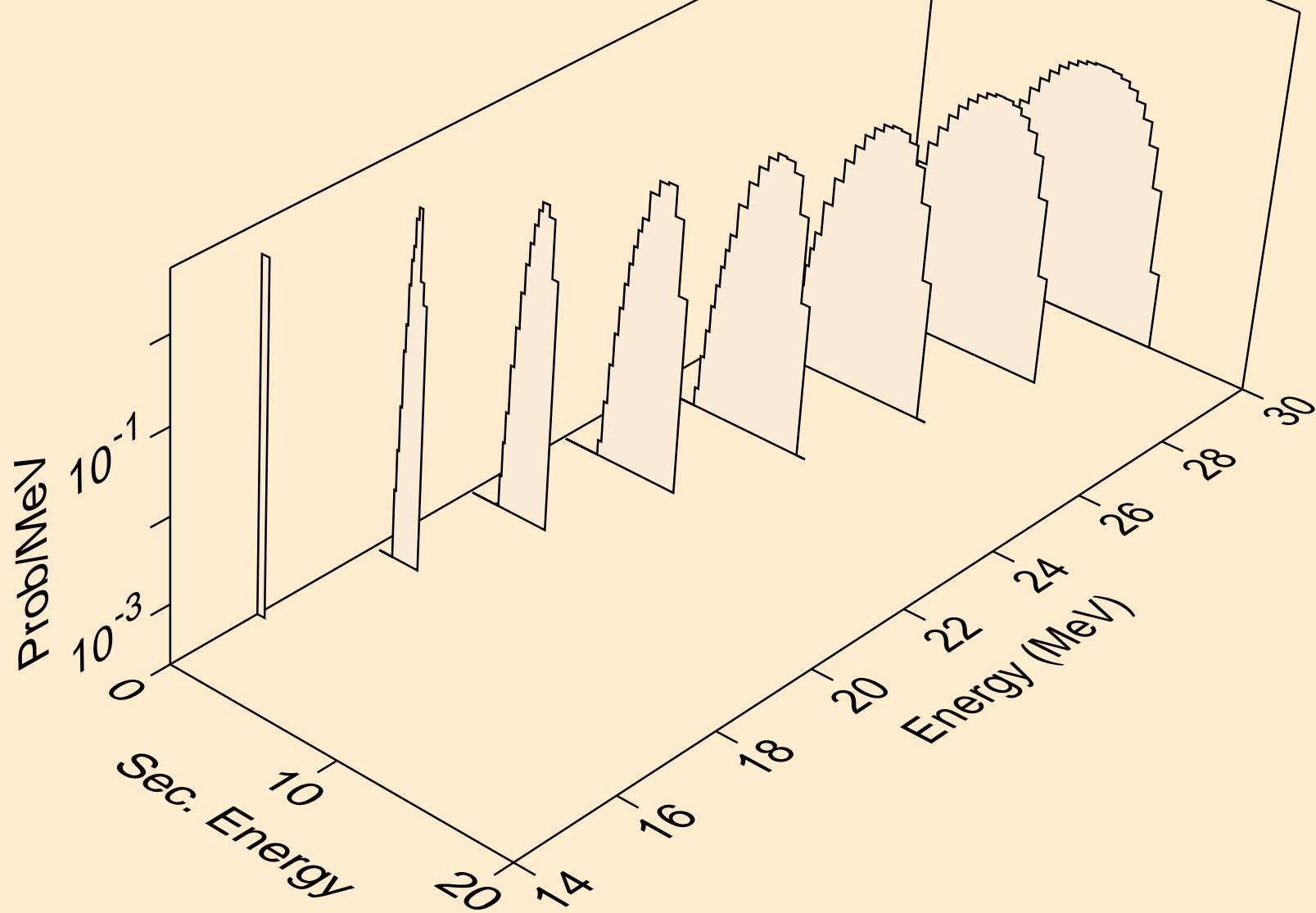
XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,x)



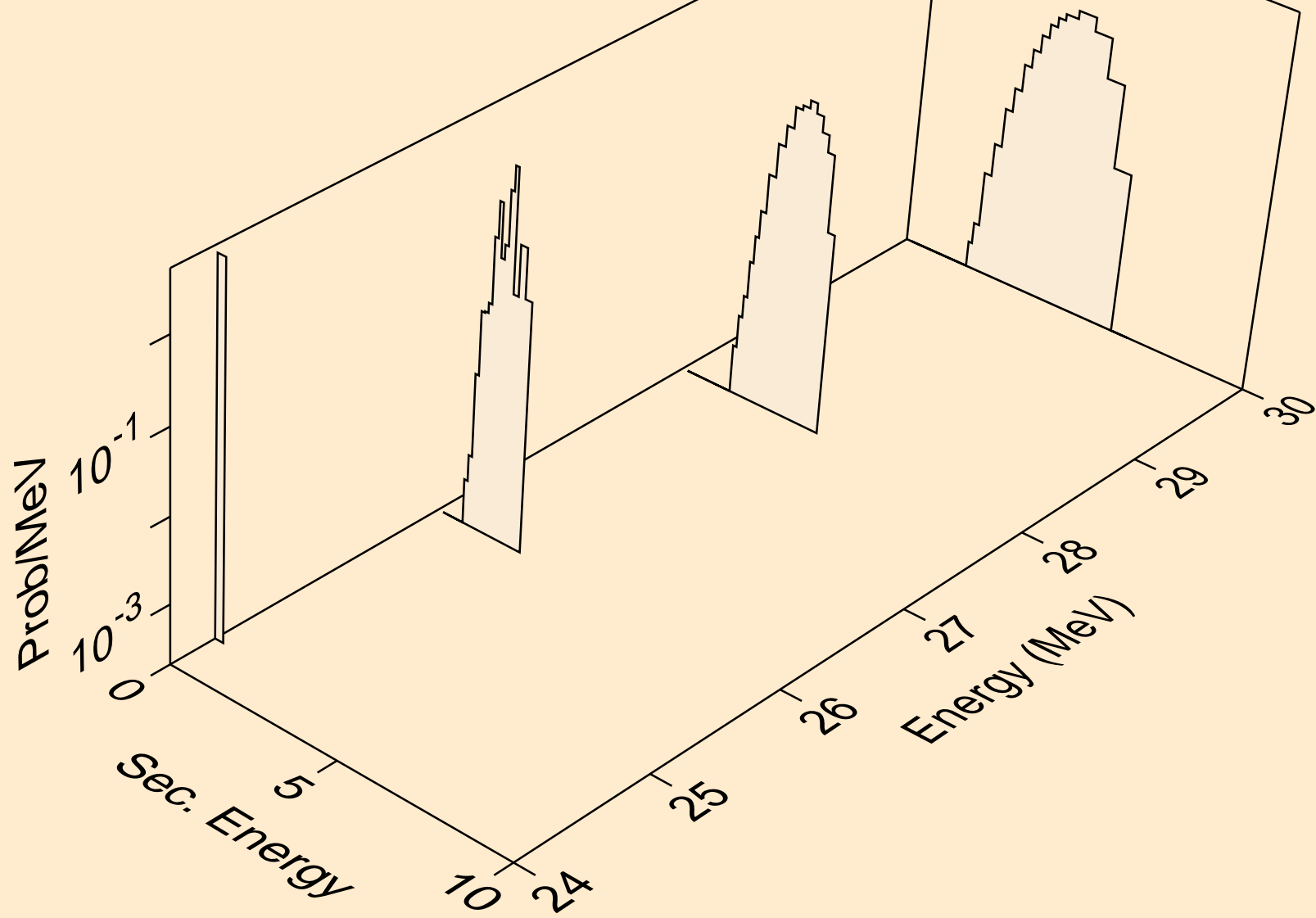
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protons from (n,n\*)p



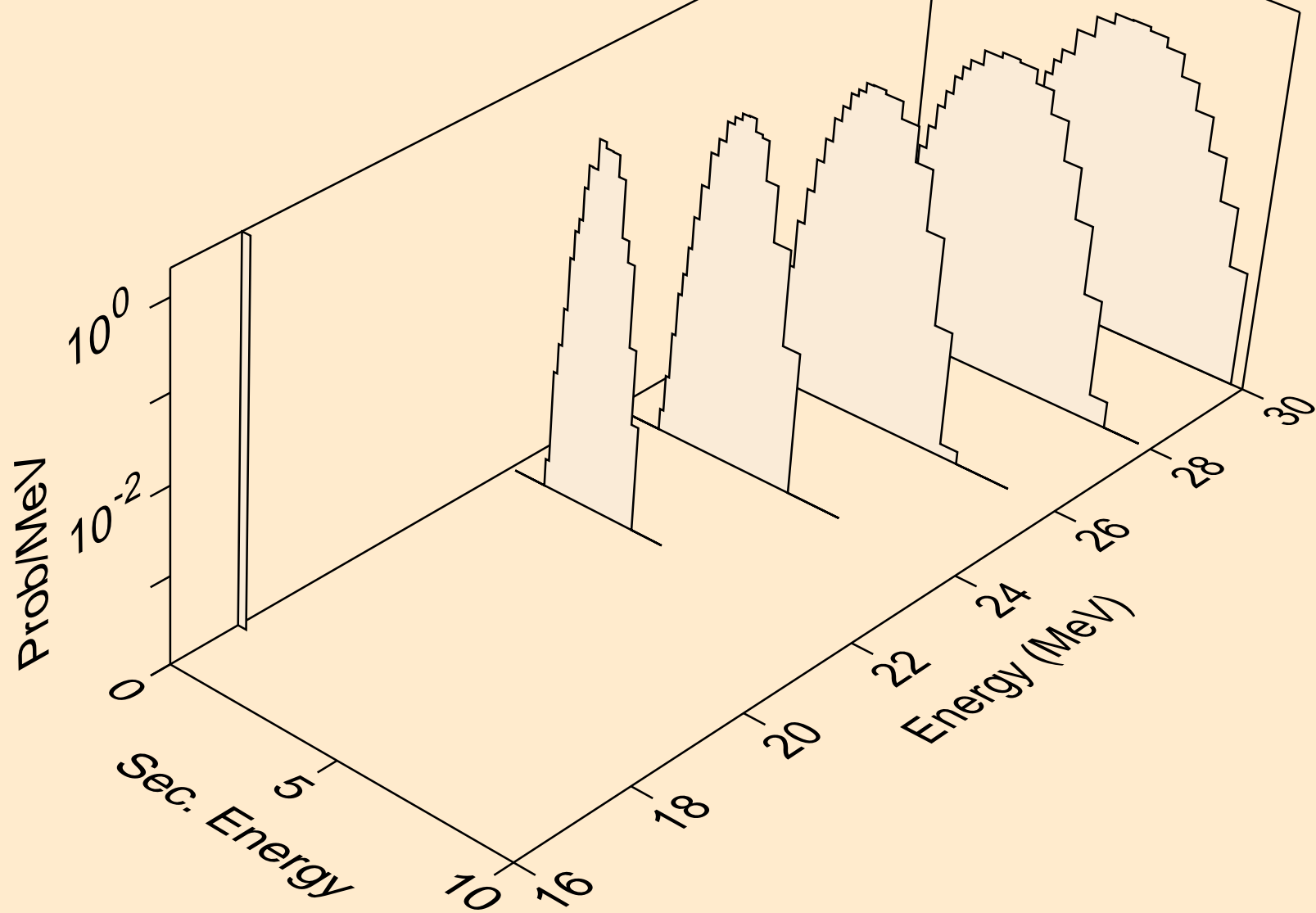
XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,2np)



XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,3np)

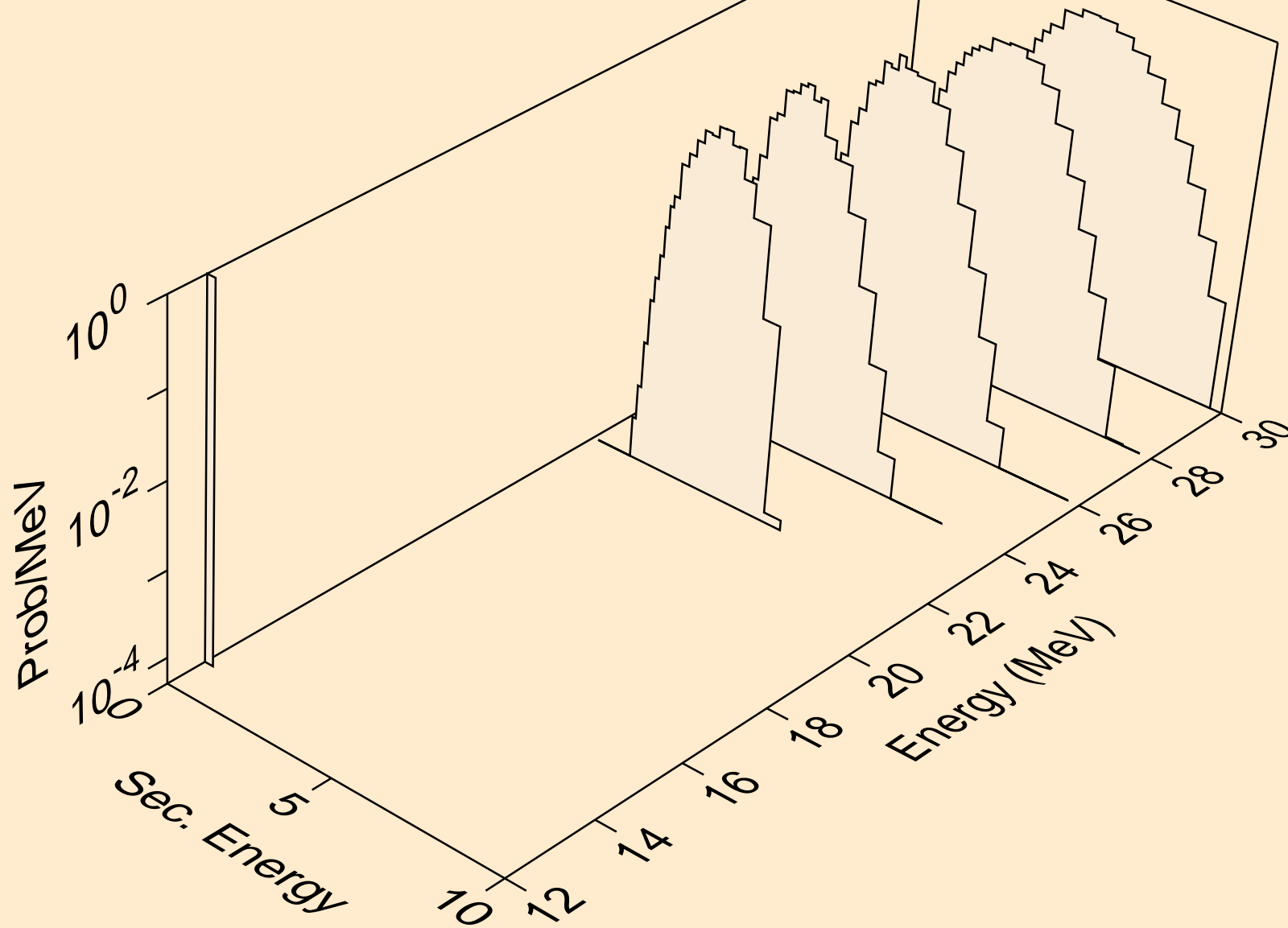


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protons from (n,2np)

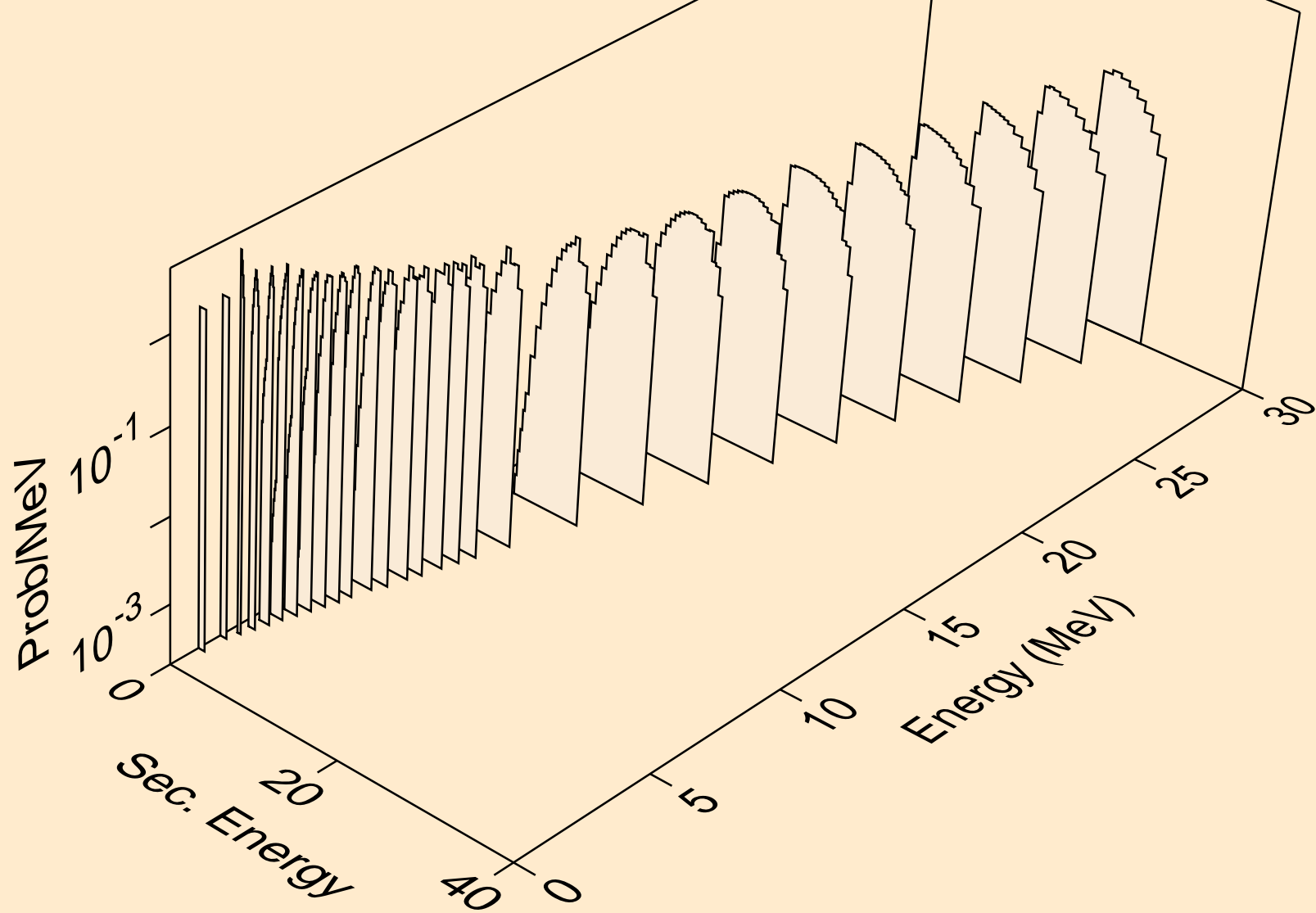




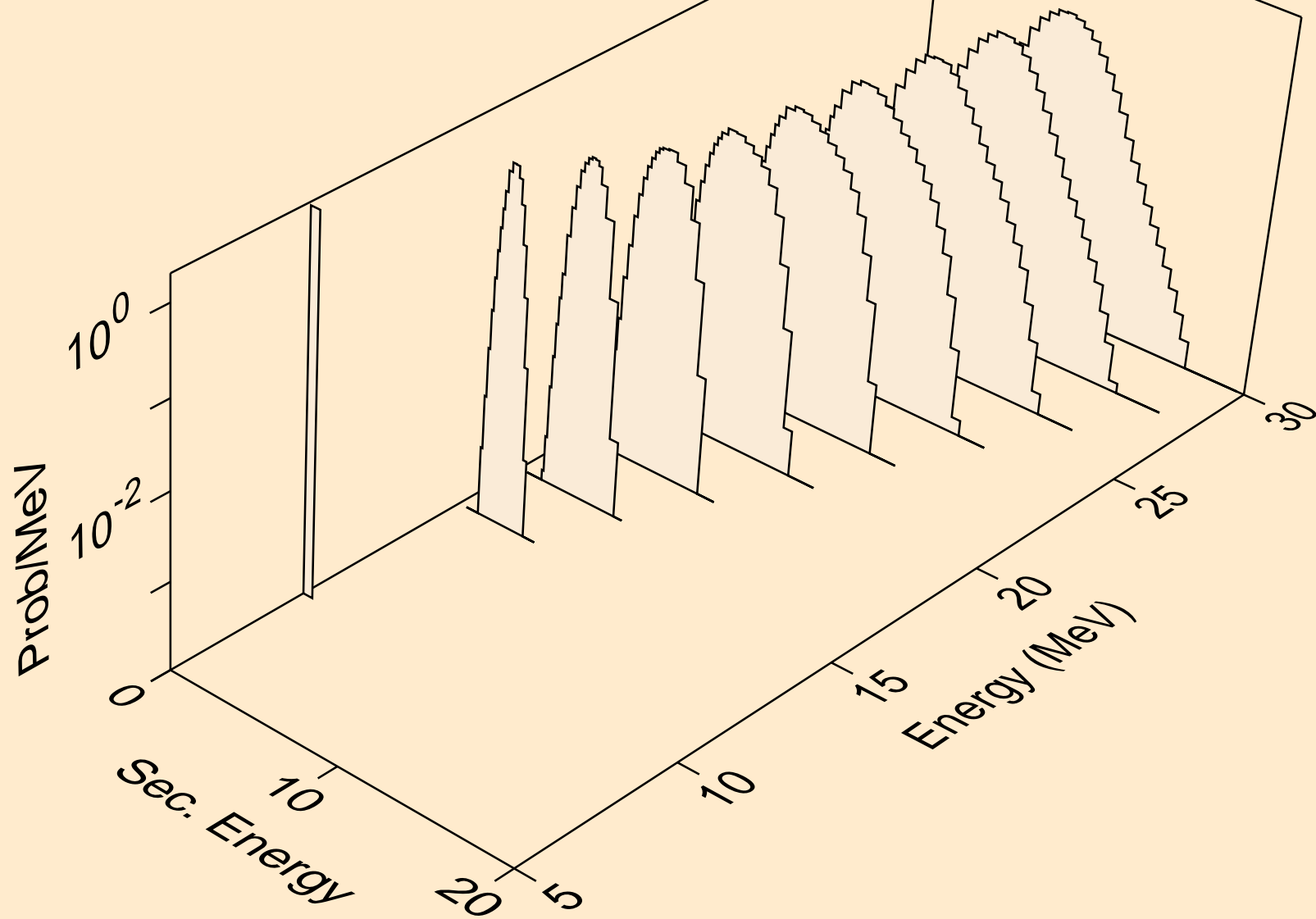
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protons from (n,npa)



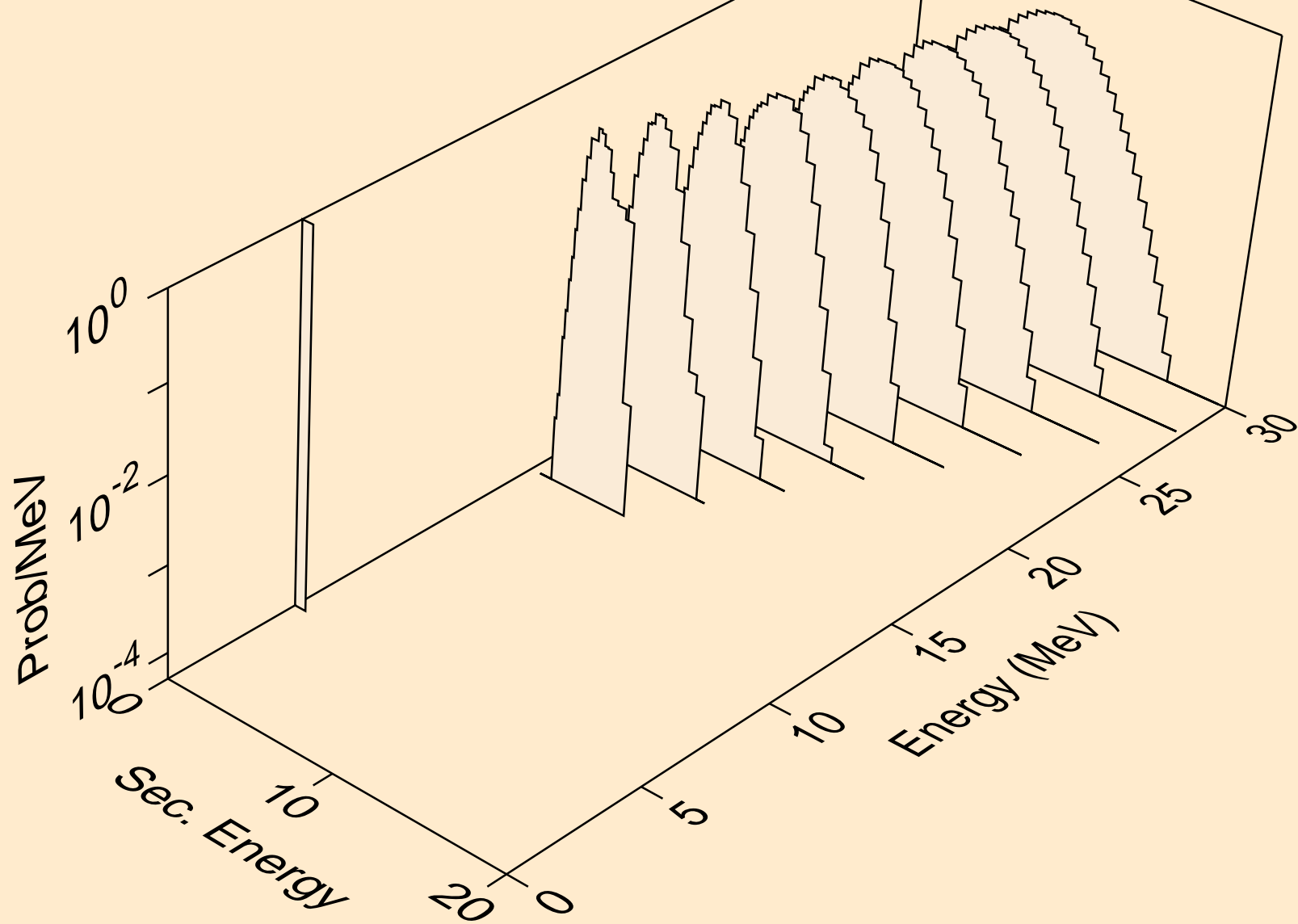
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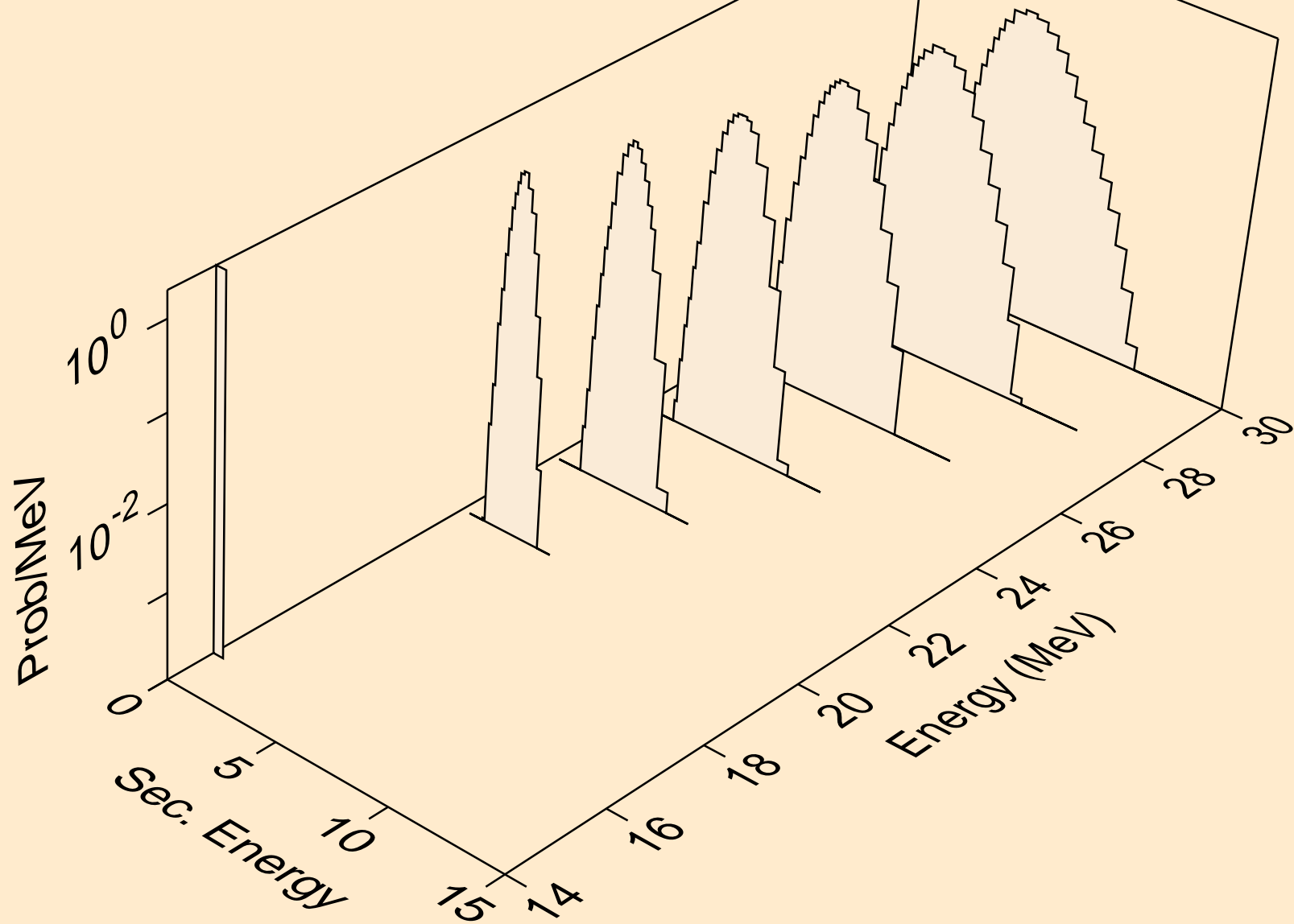
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protons from (n,2p)



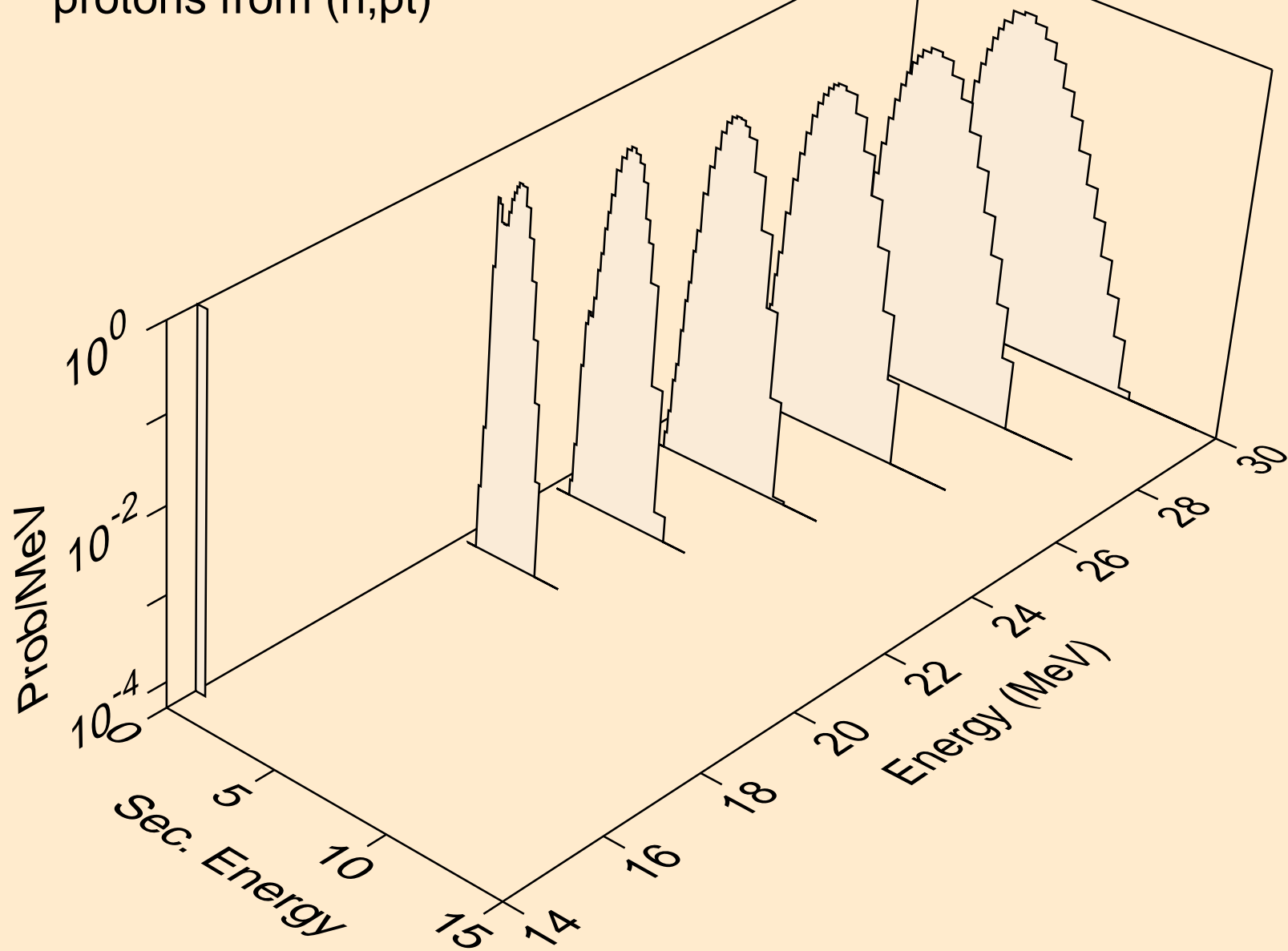
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protons from (n,p)



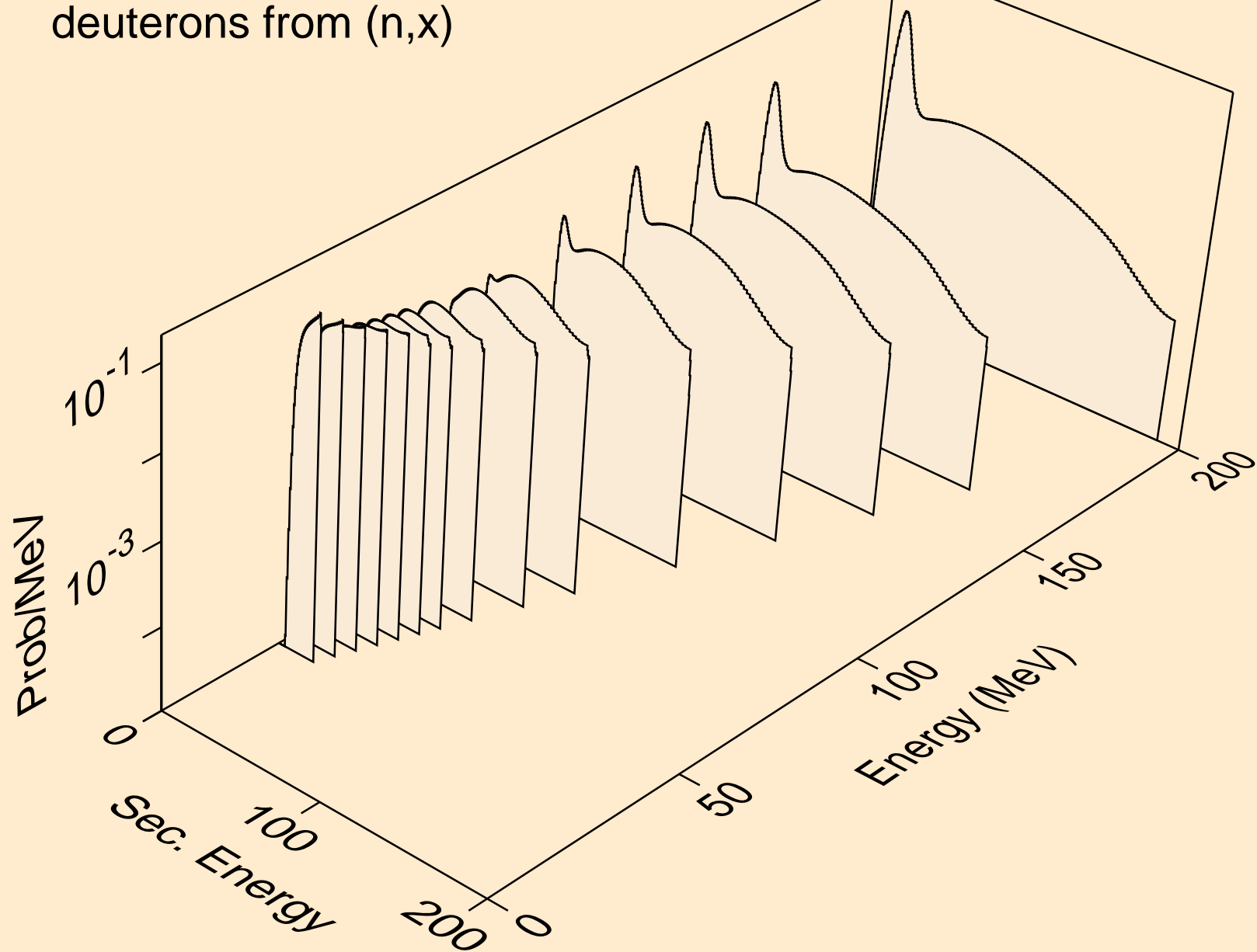
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protons from (n,pd)



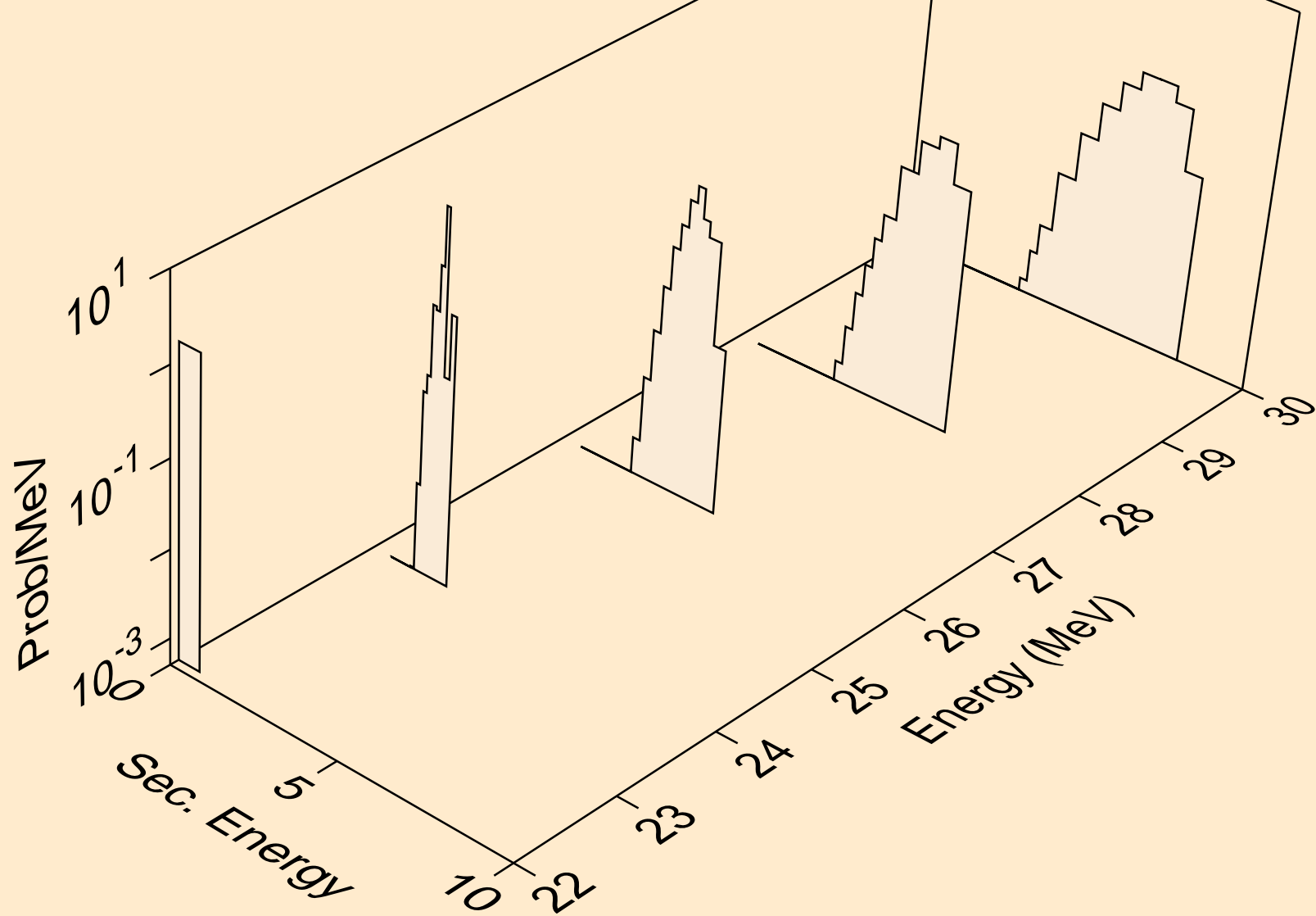
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protons from (n,pt)



XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,x)

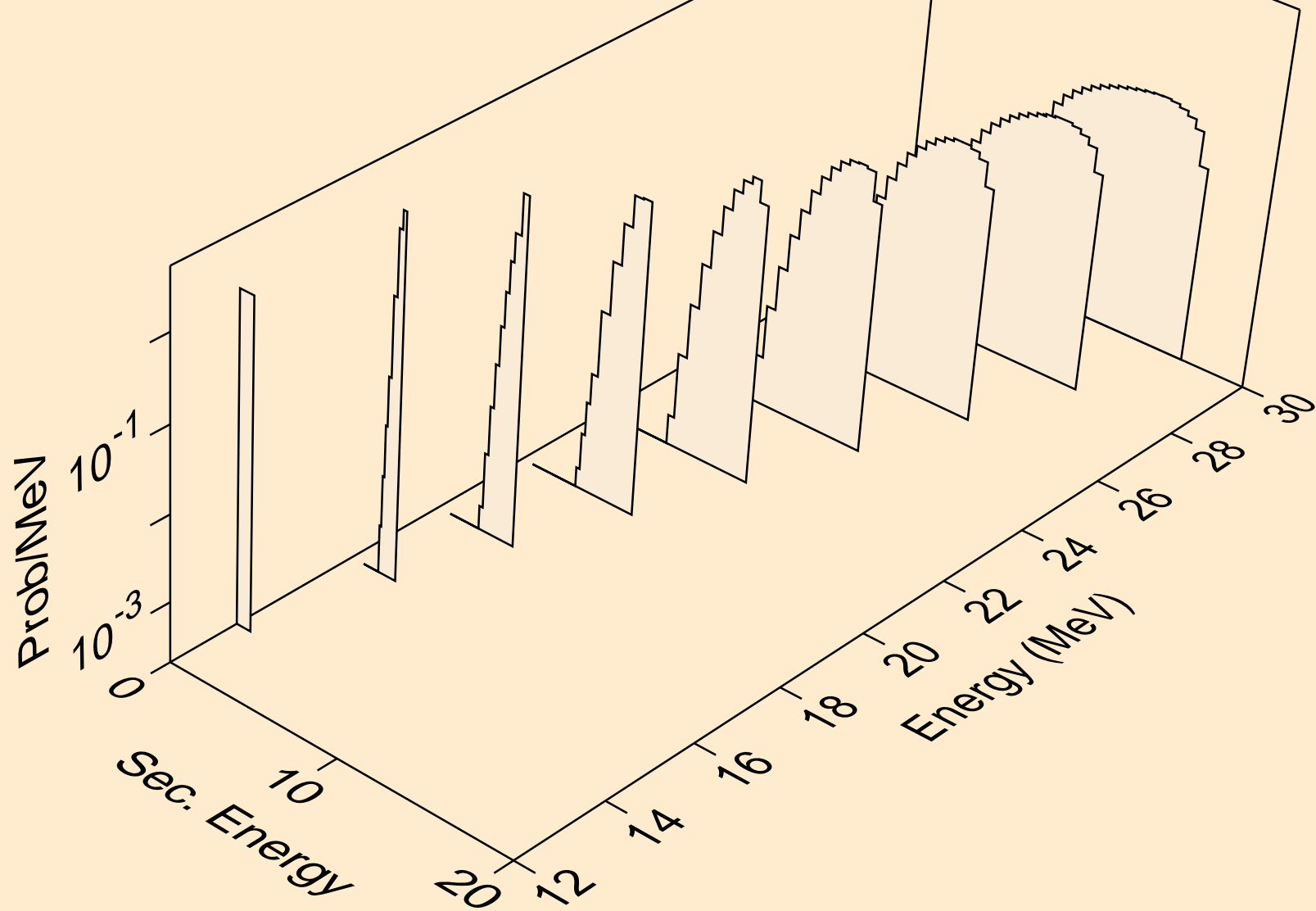


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deuterons from (n,2nd)

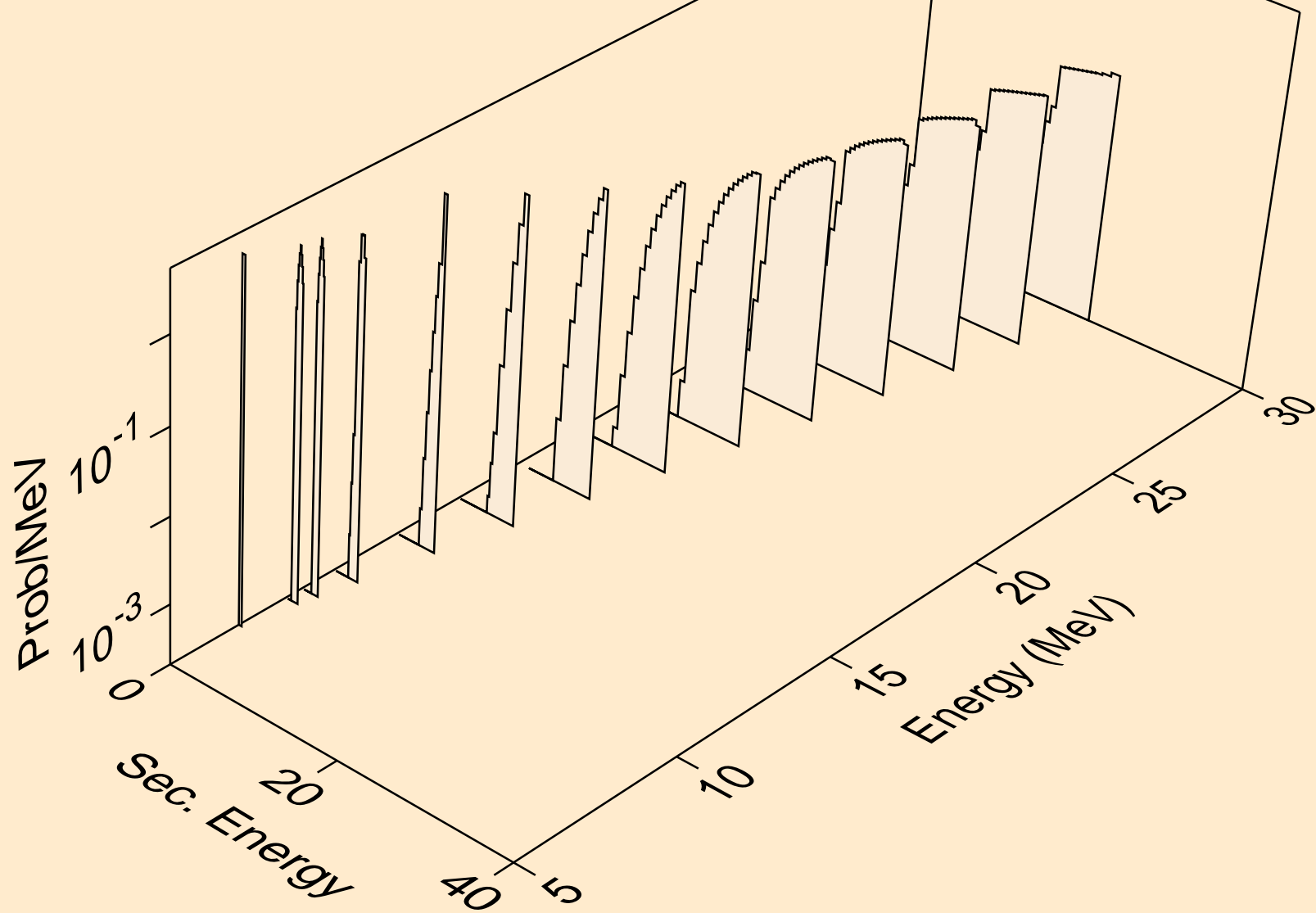




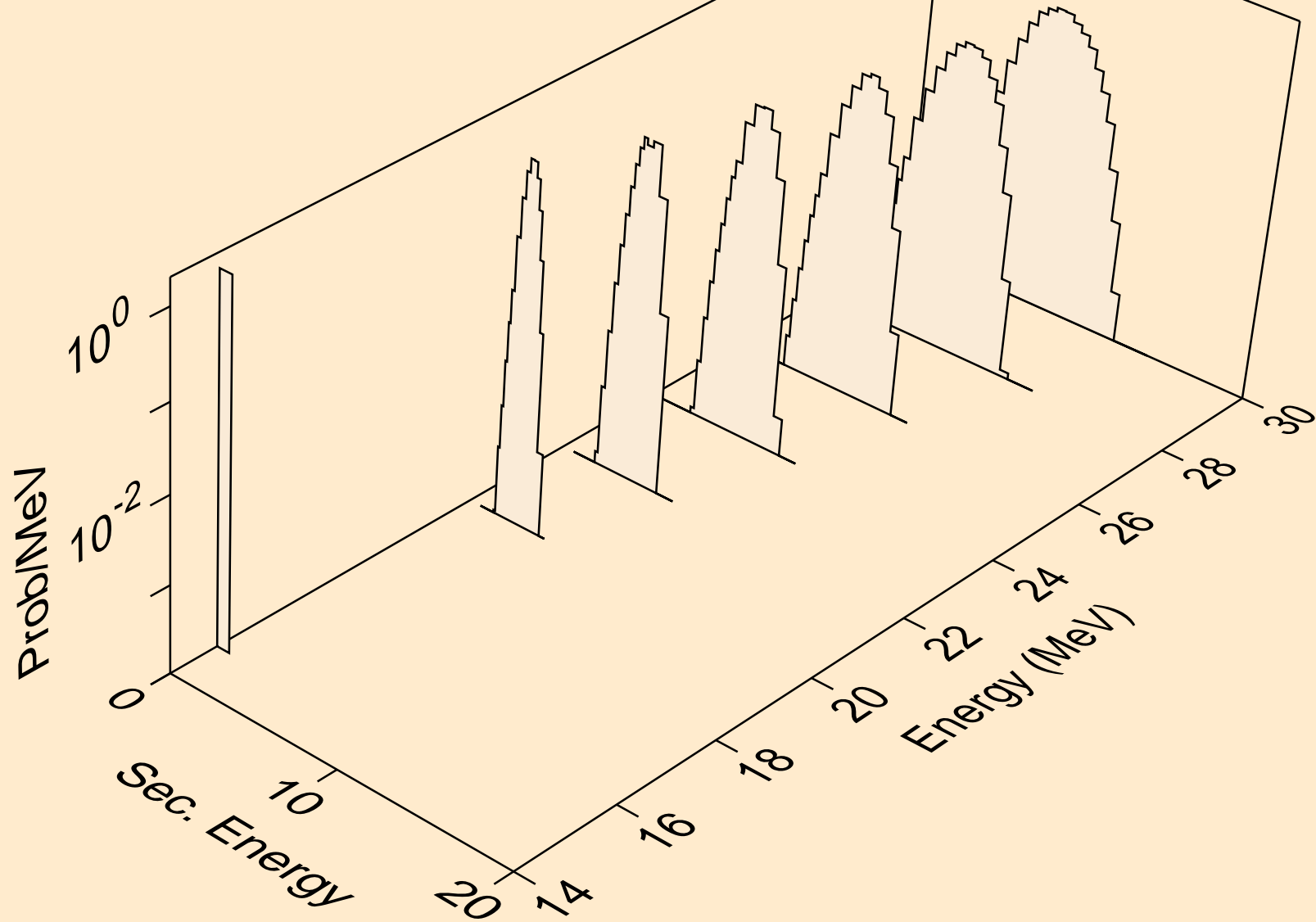
XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,n\*)d



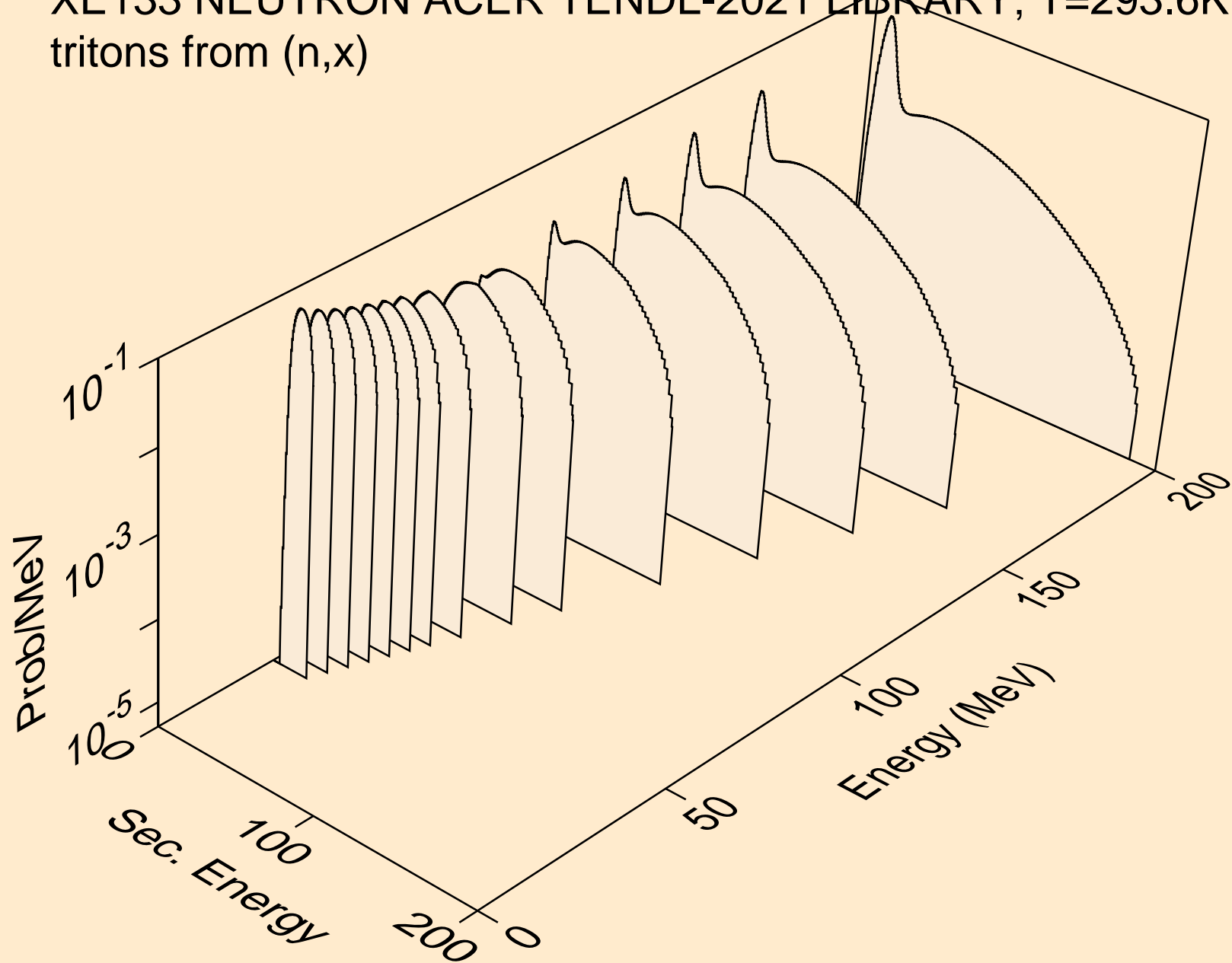
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deuterons from (n,d)



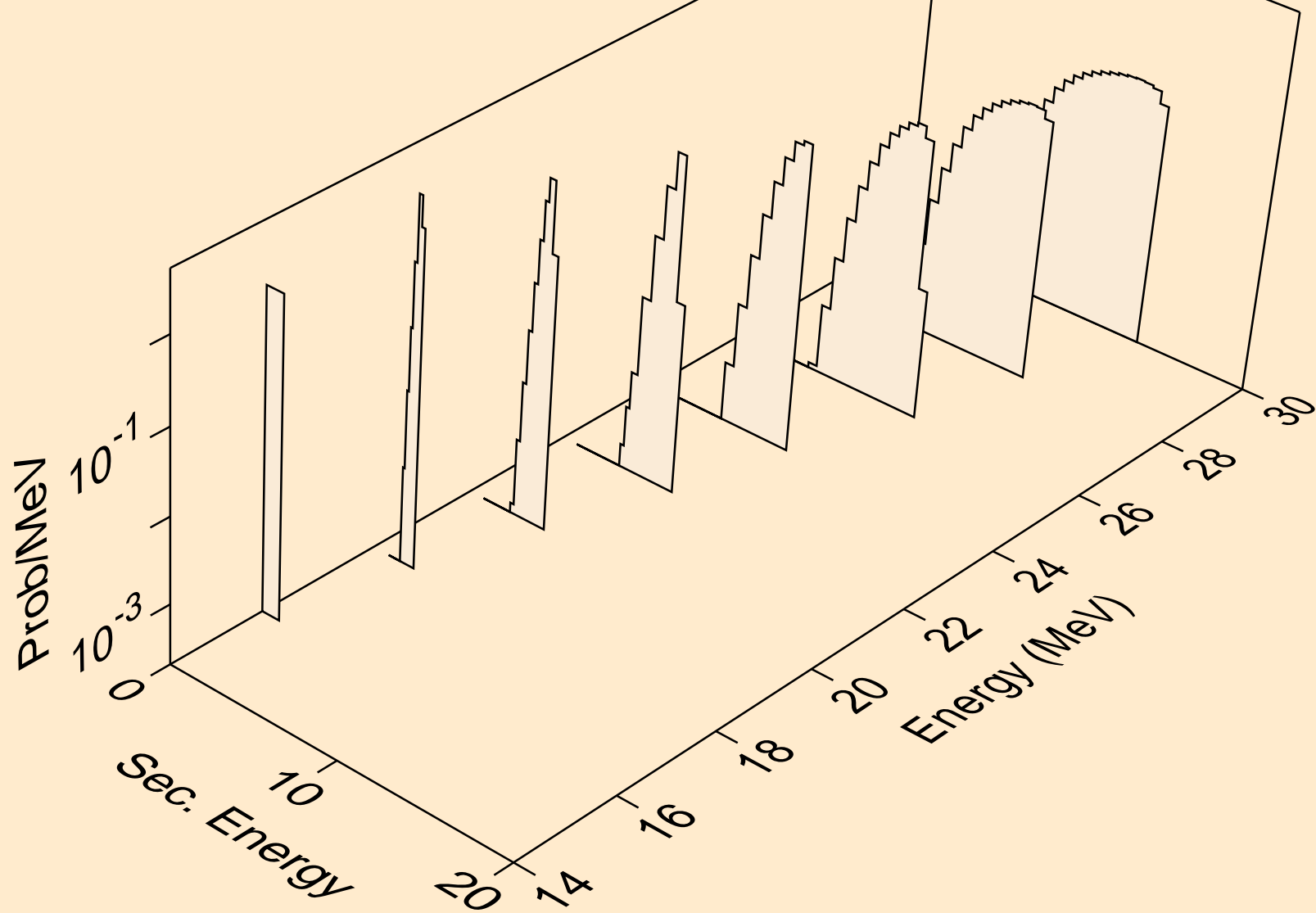
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deuterons from (n,pd)



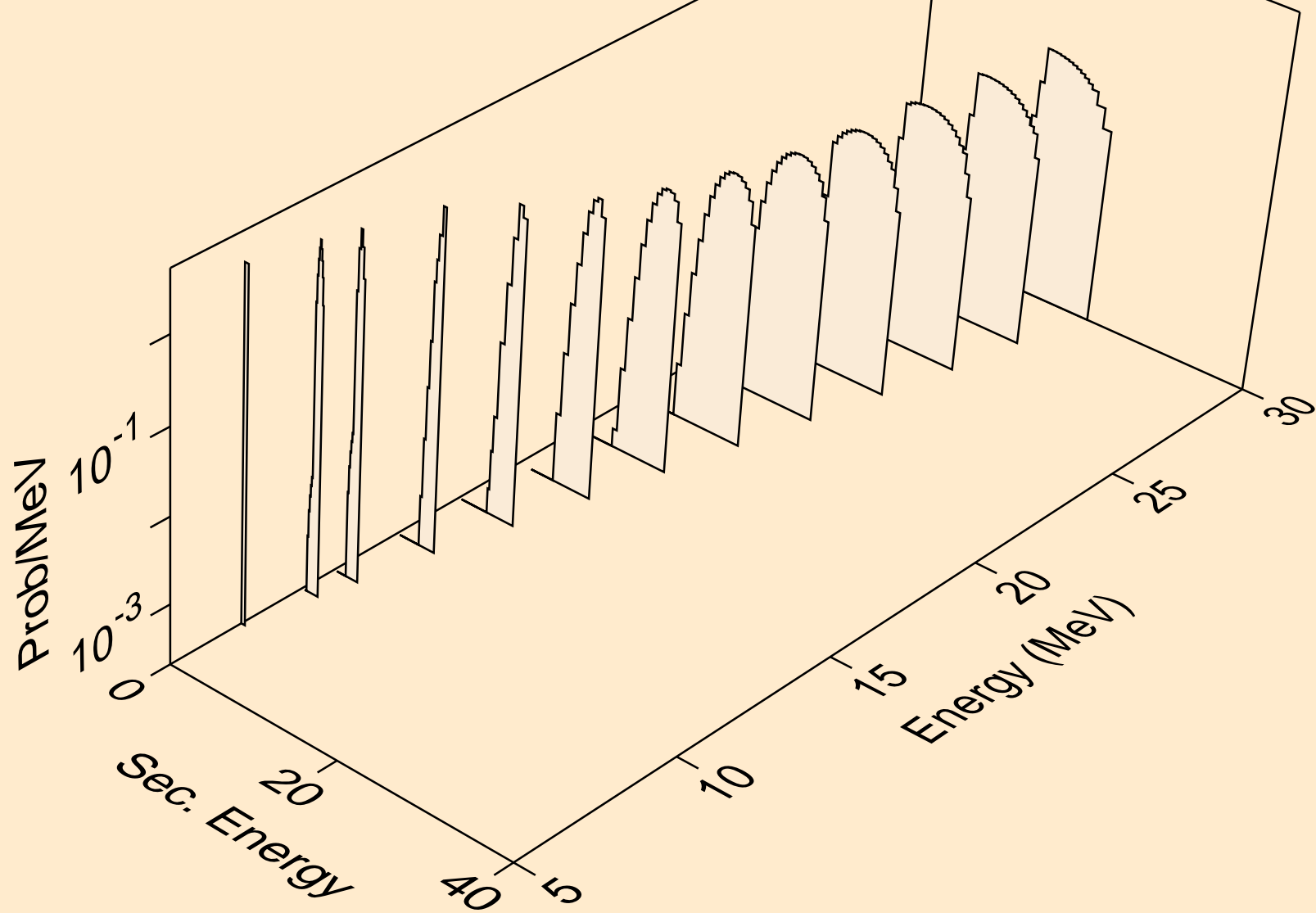
XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,x)



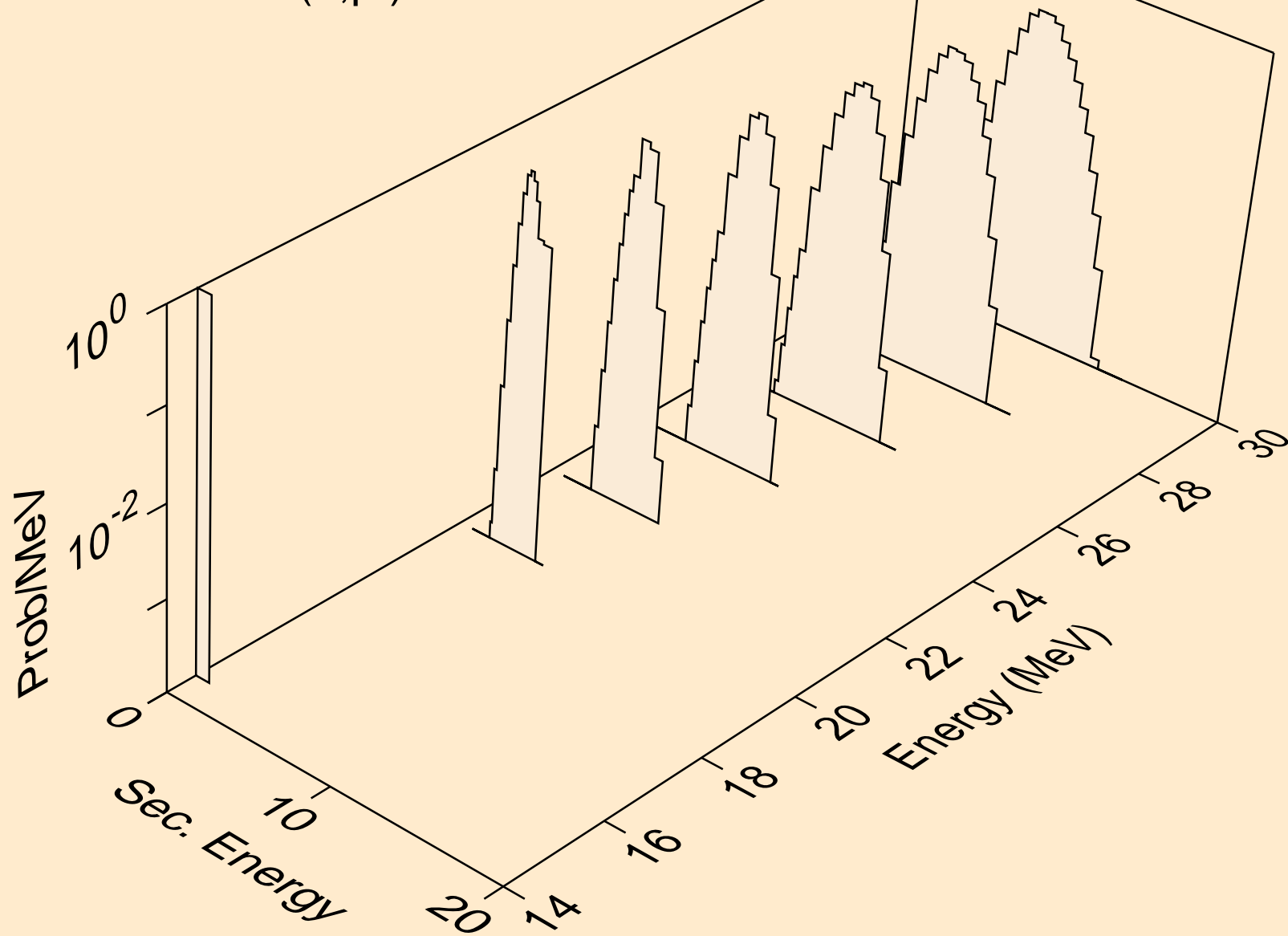
XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,n\*)t



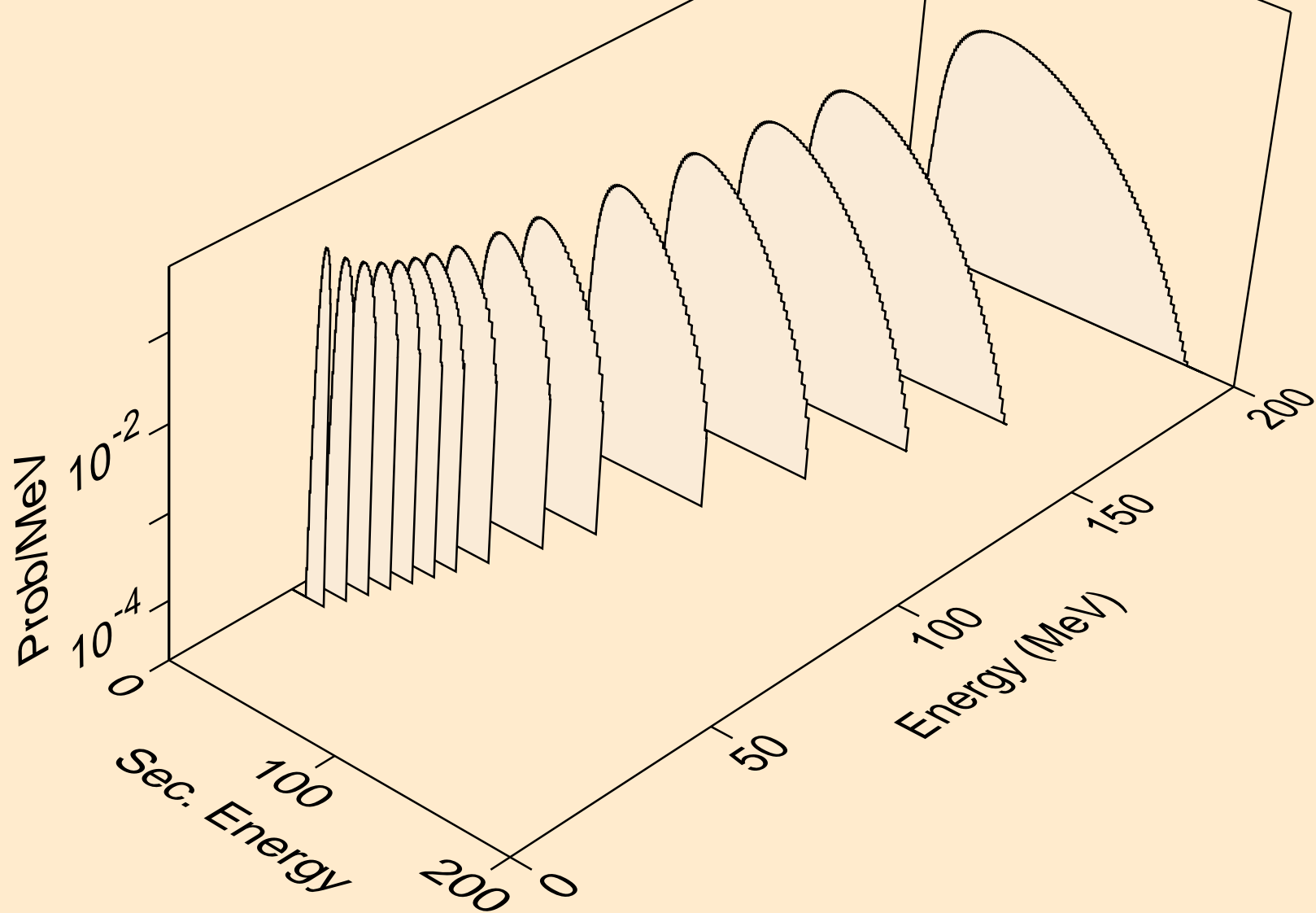
XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,t)



XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,pt)

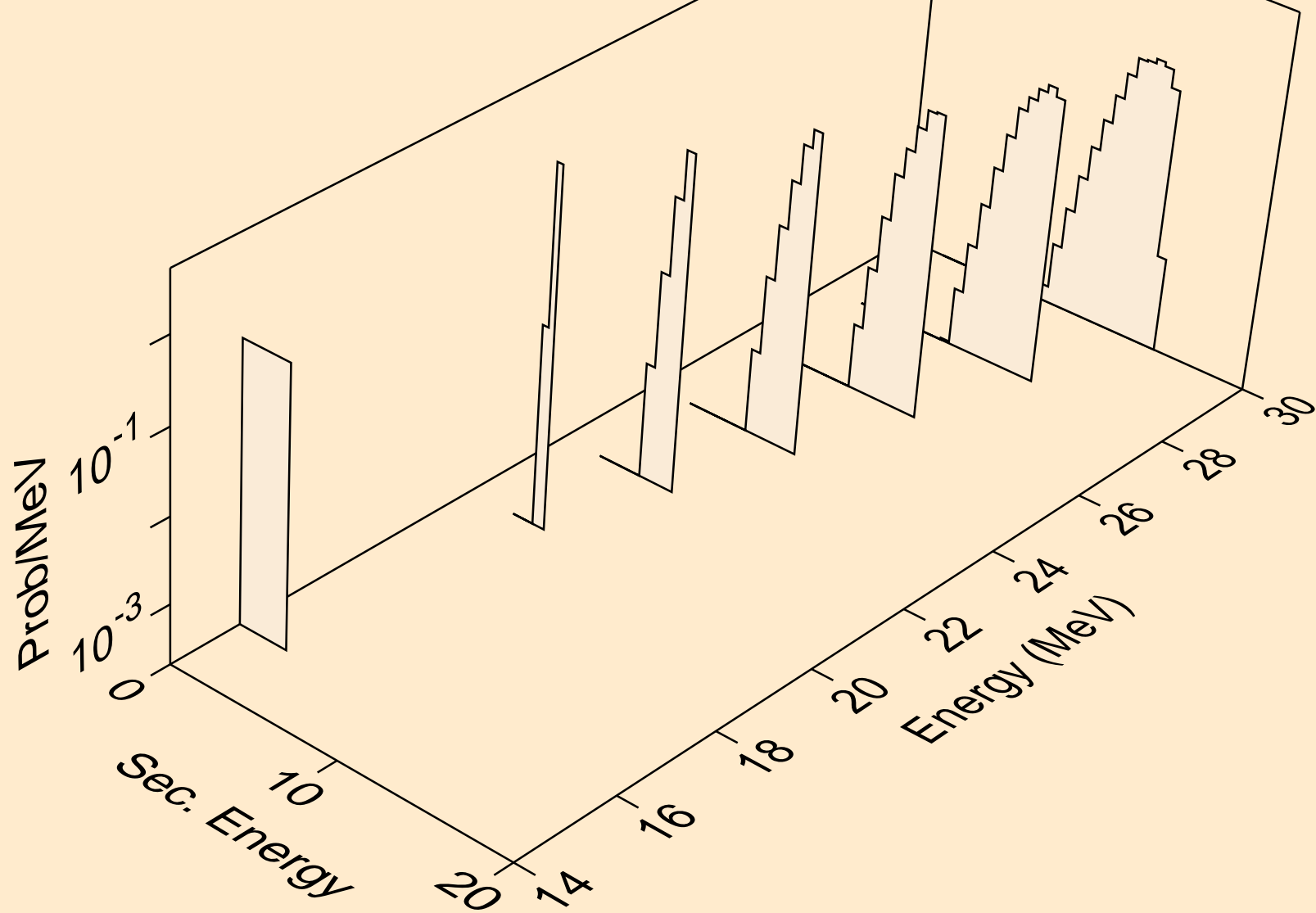


XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
he3s from (n,x)

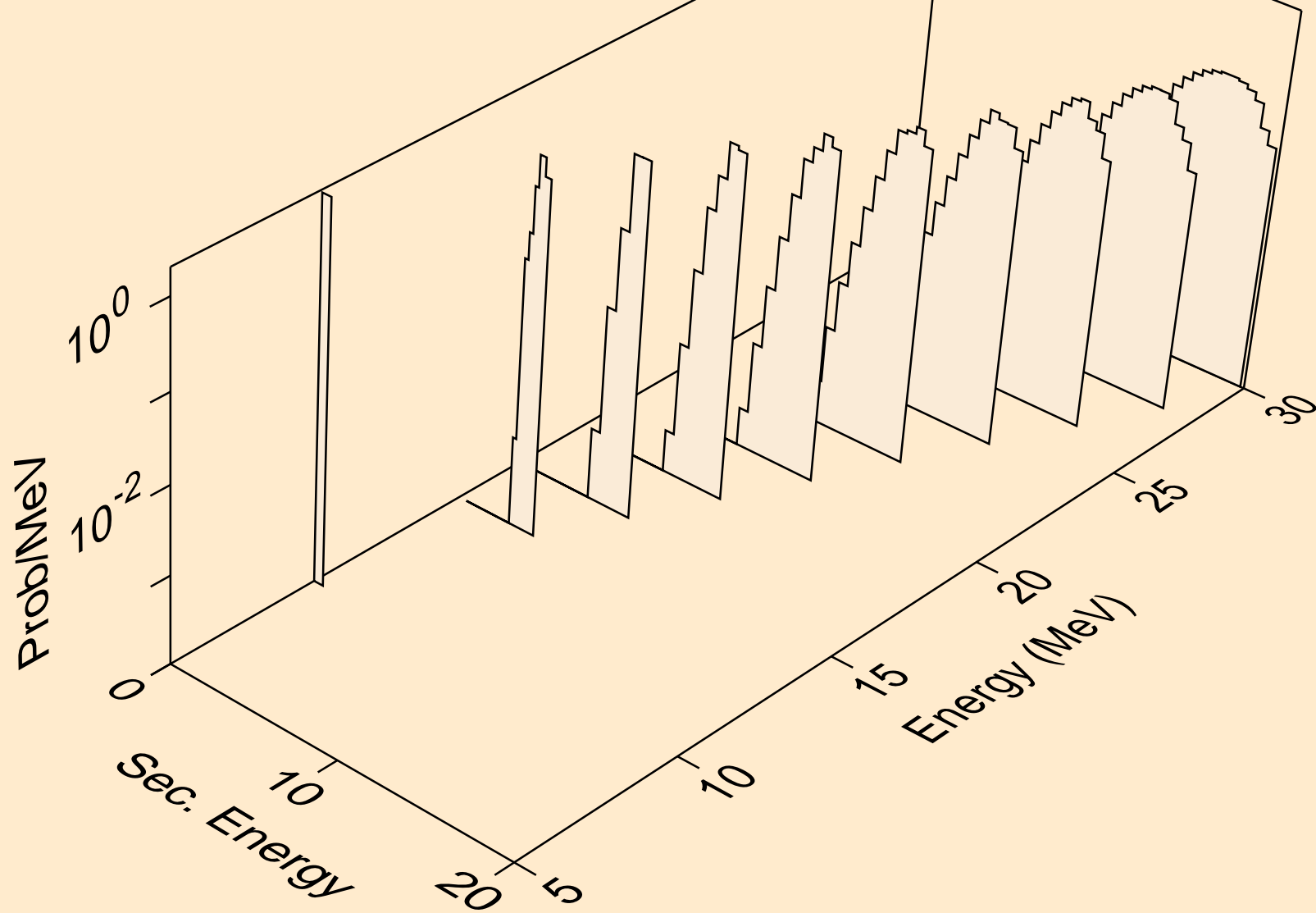




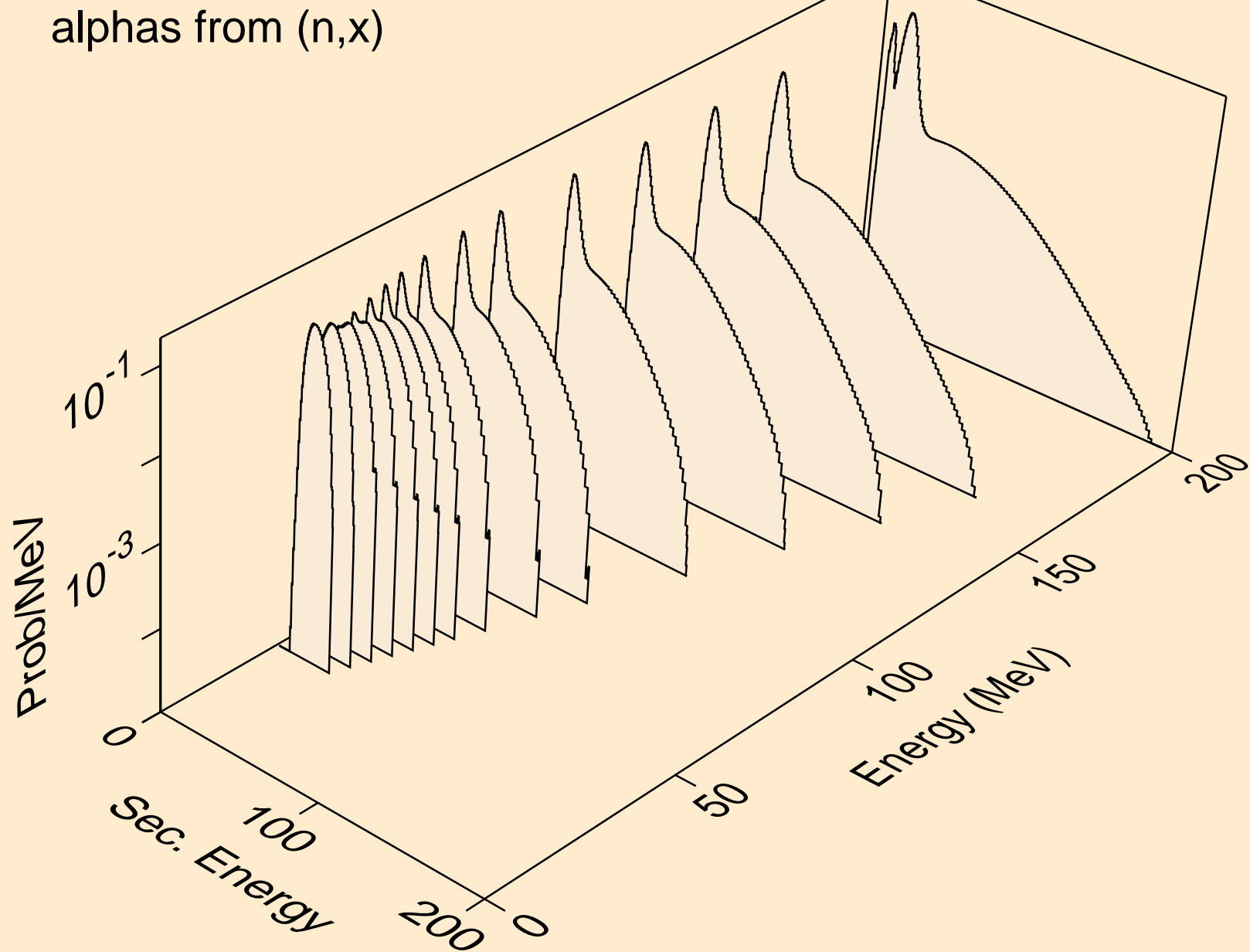
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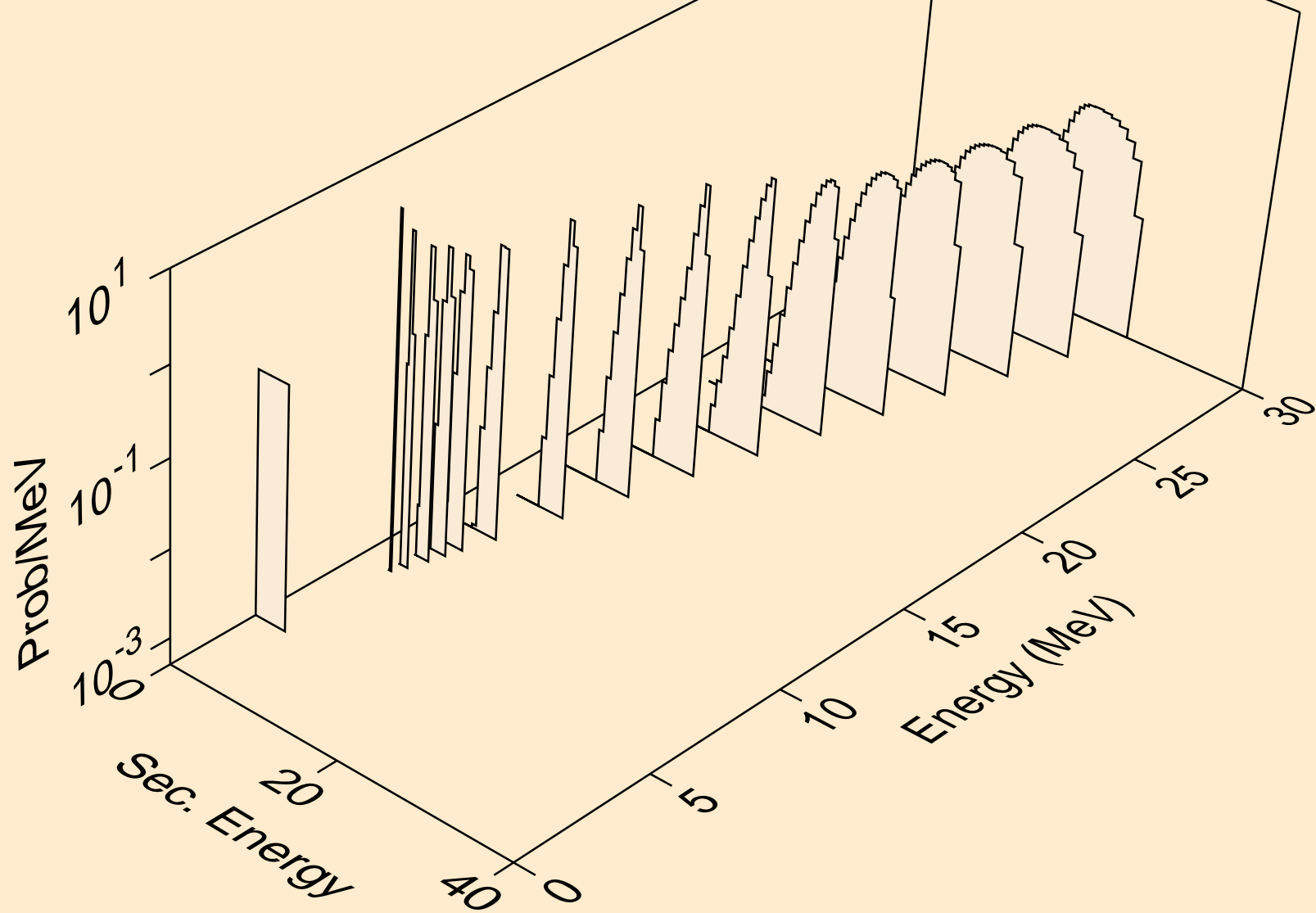
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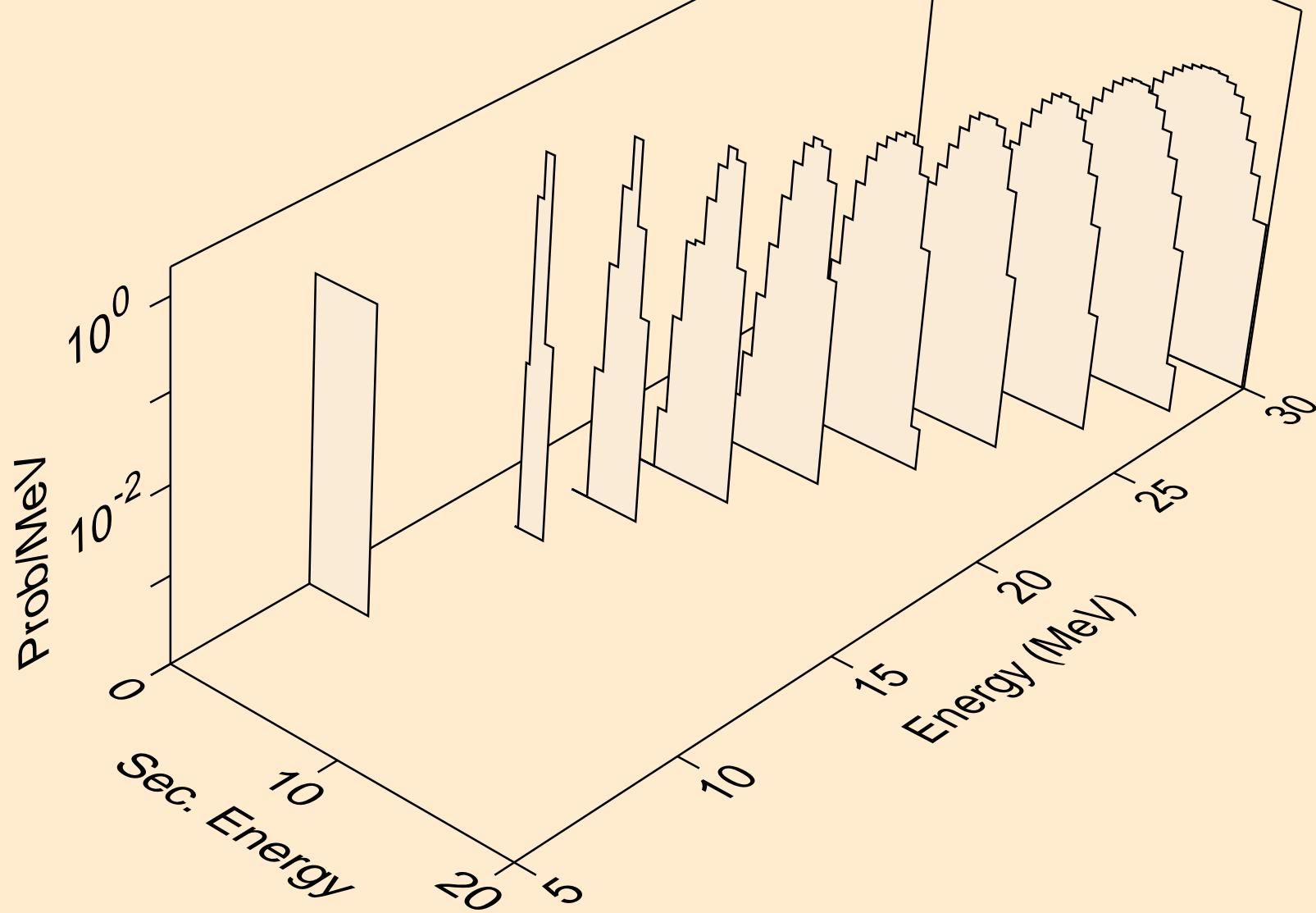
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alphas from (n,x)



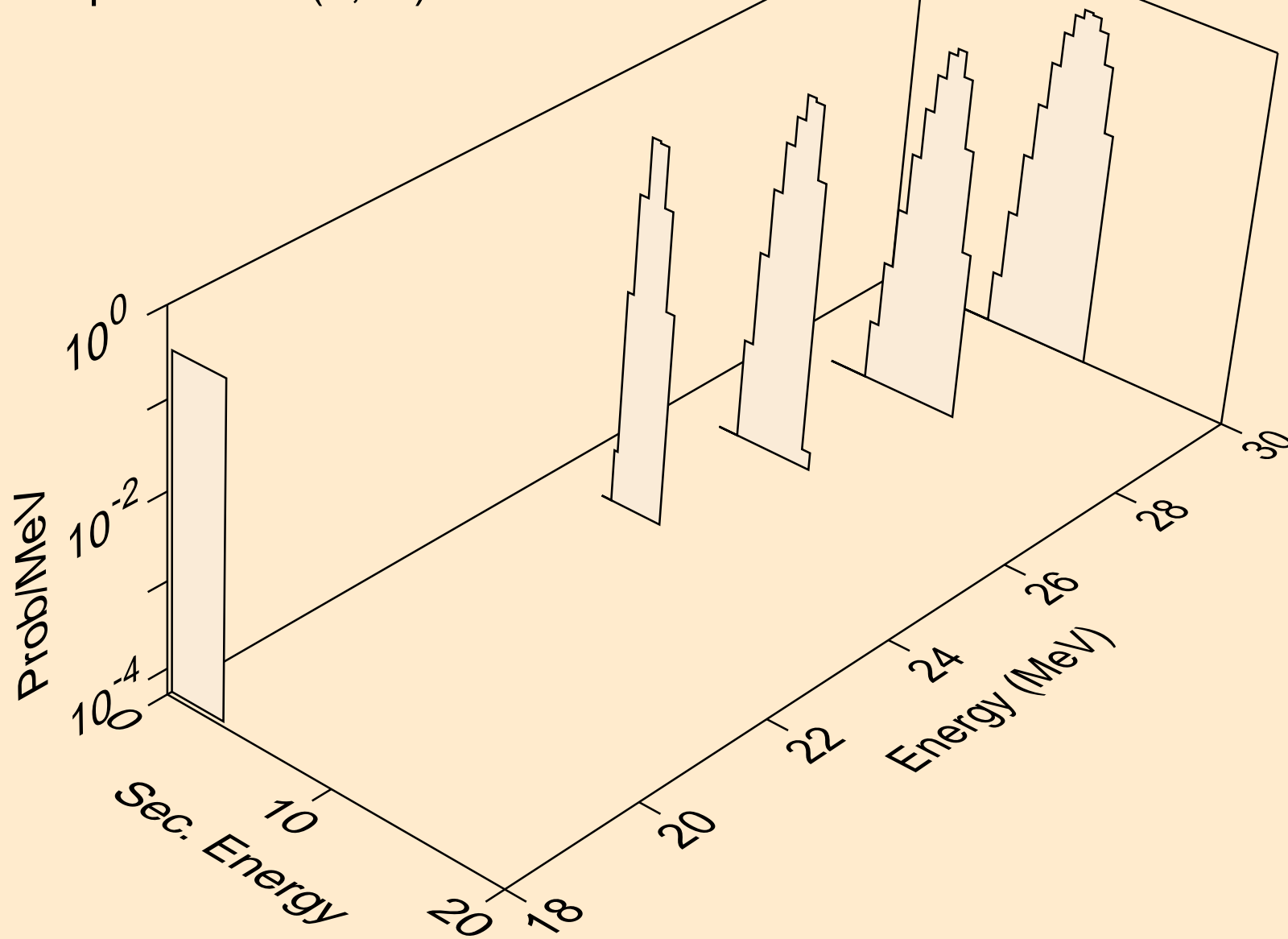
XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,n\*)a



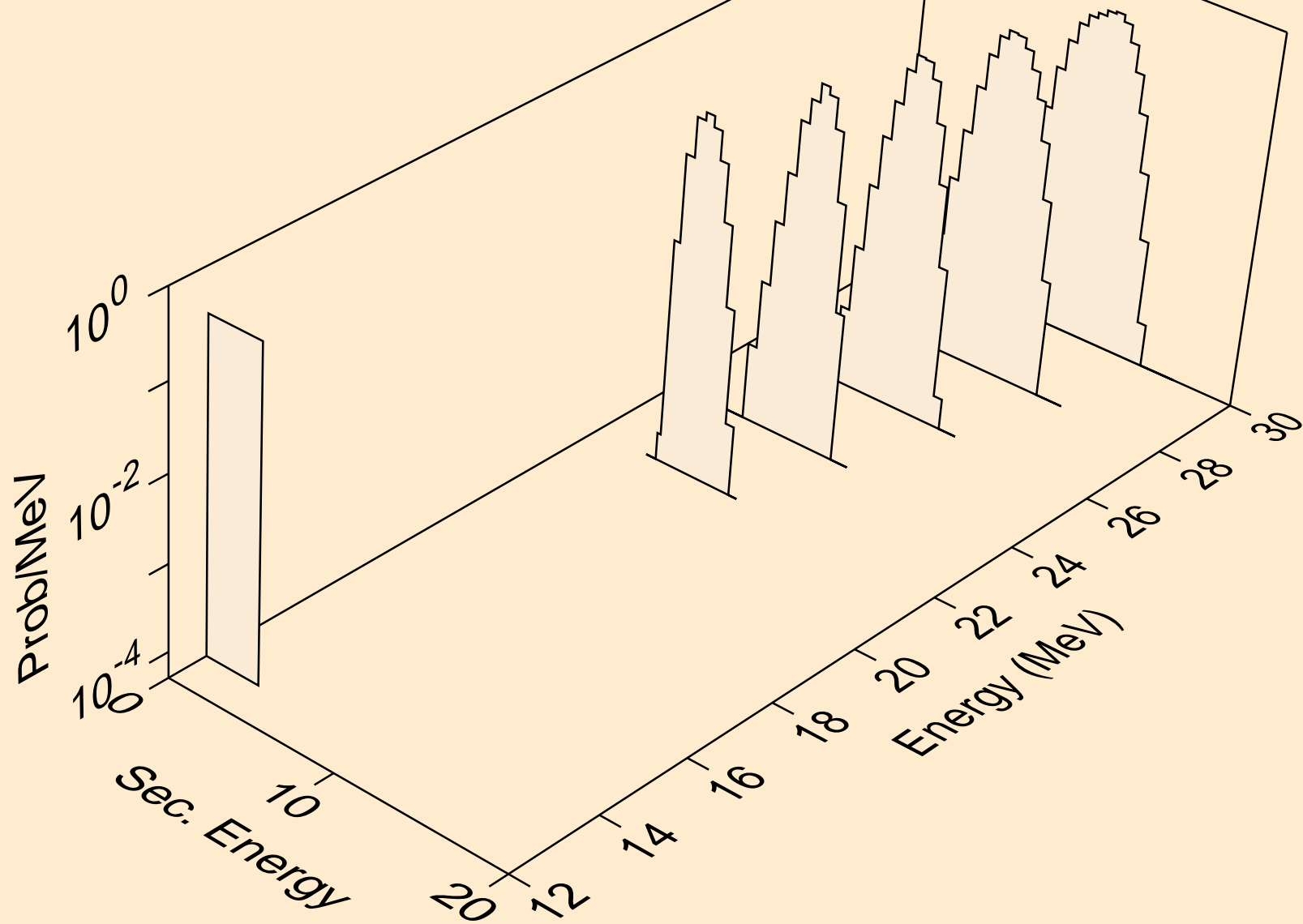
XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2n)a



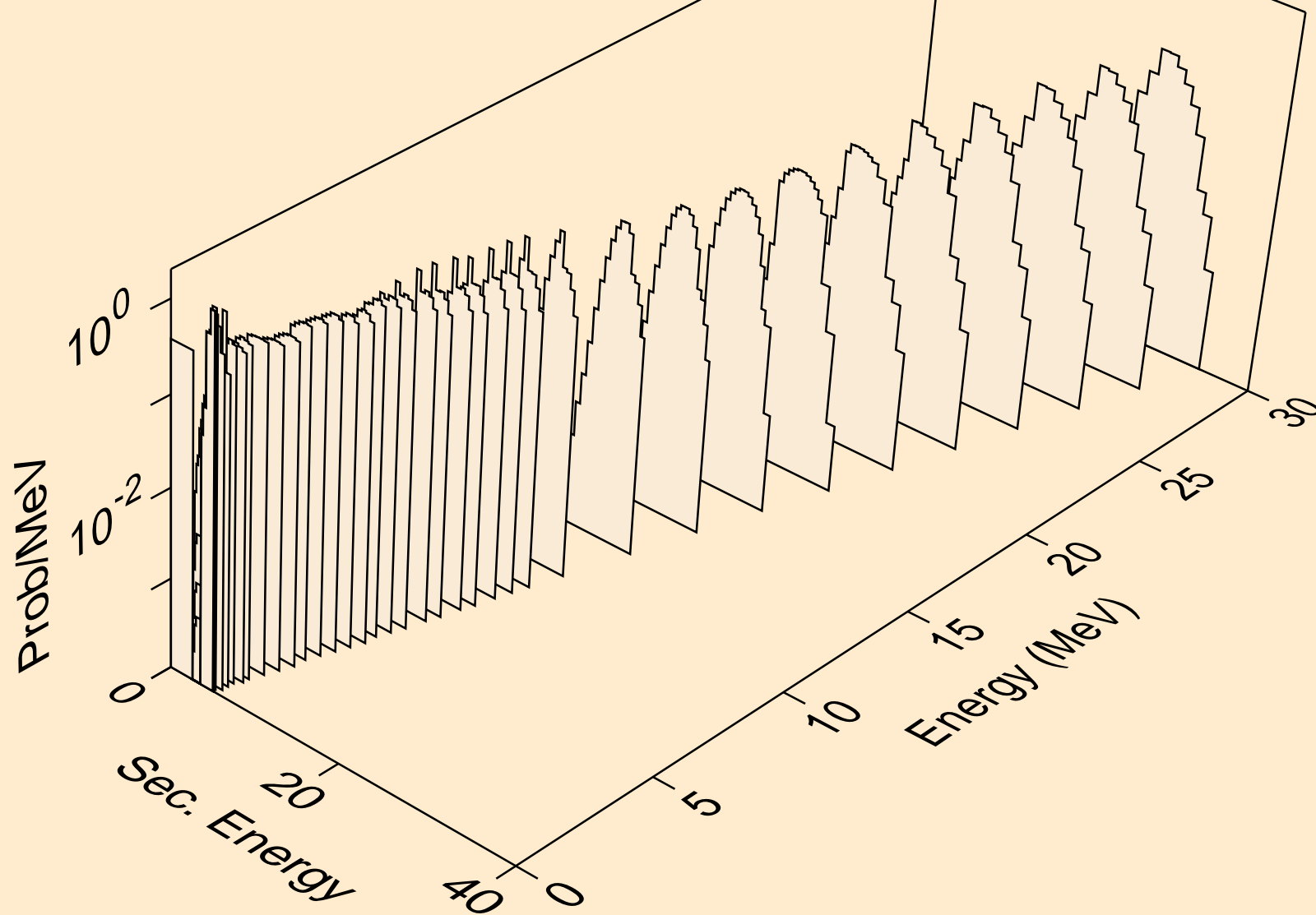
XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,3n)a



XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,npa)

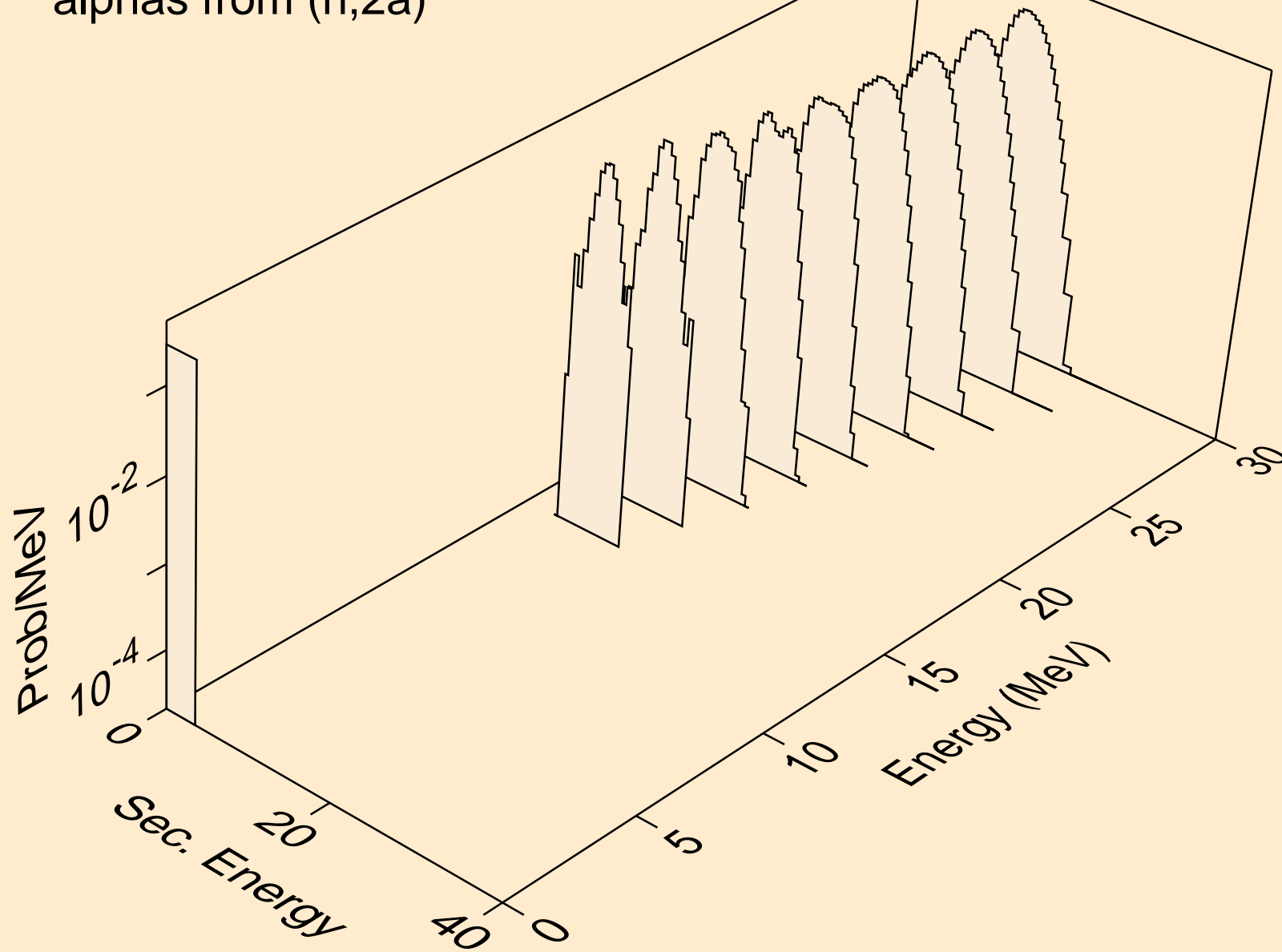


XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,a)





XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2a)



XE133 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,pa)

