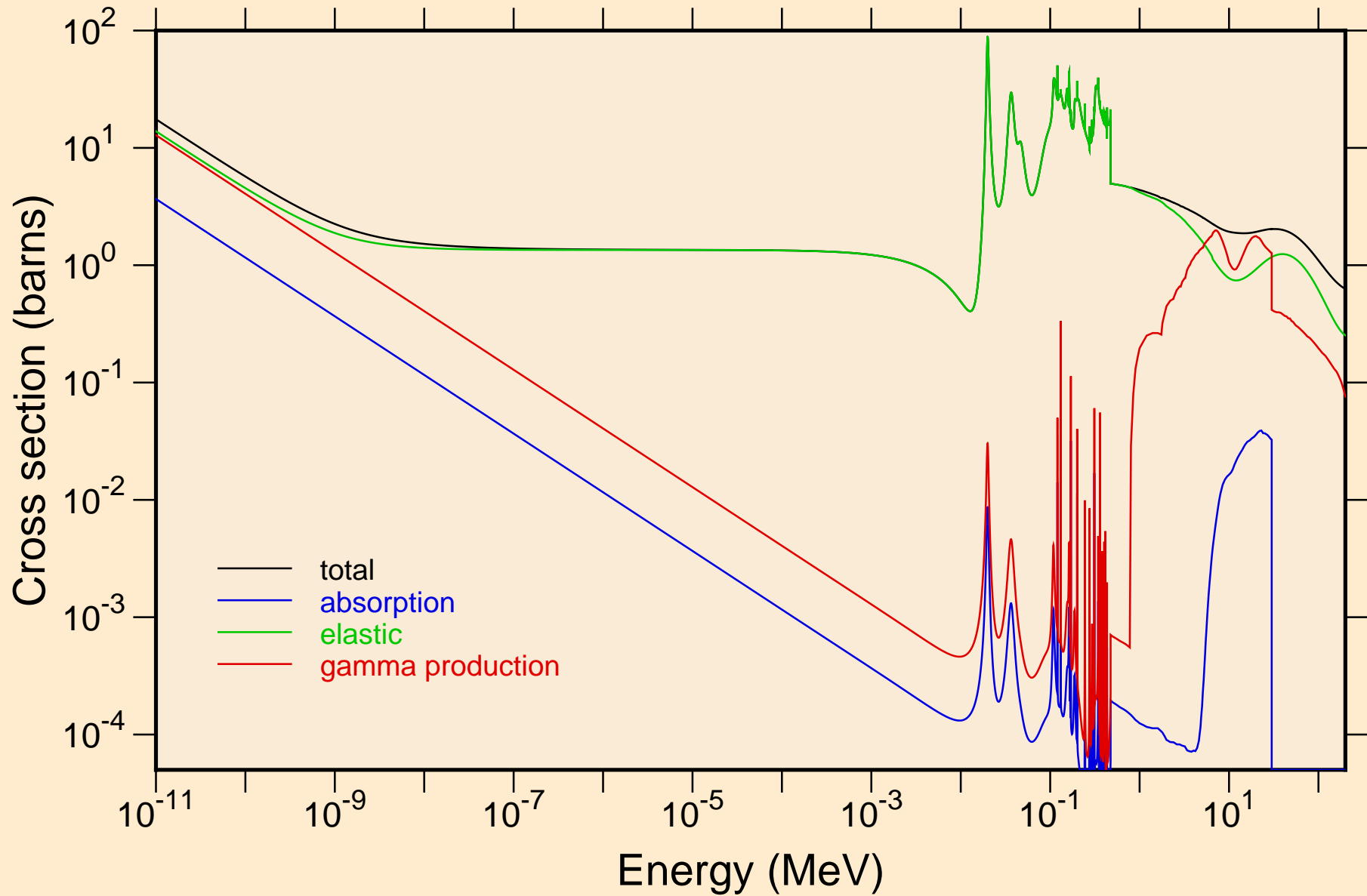
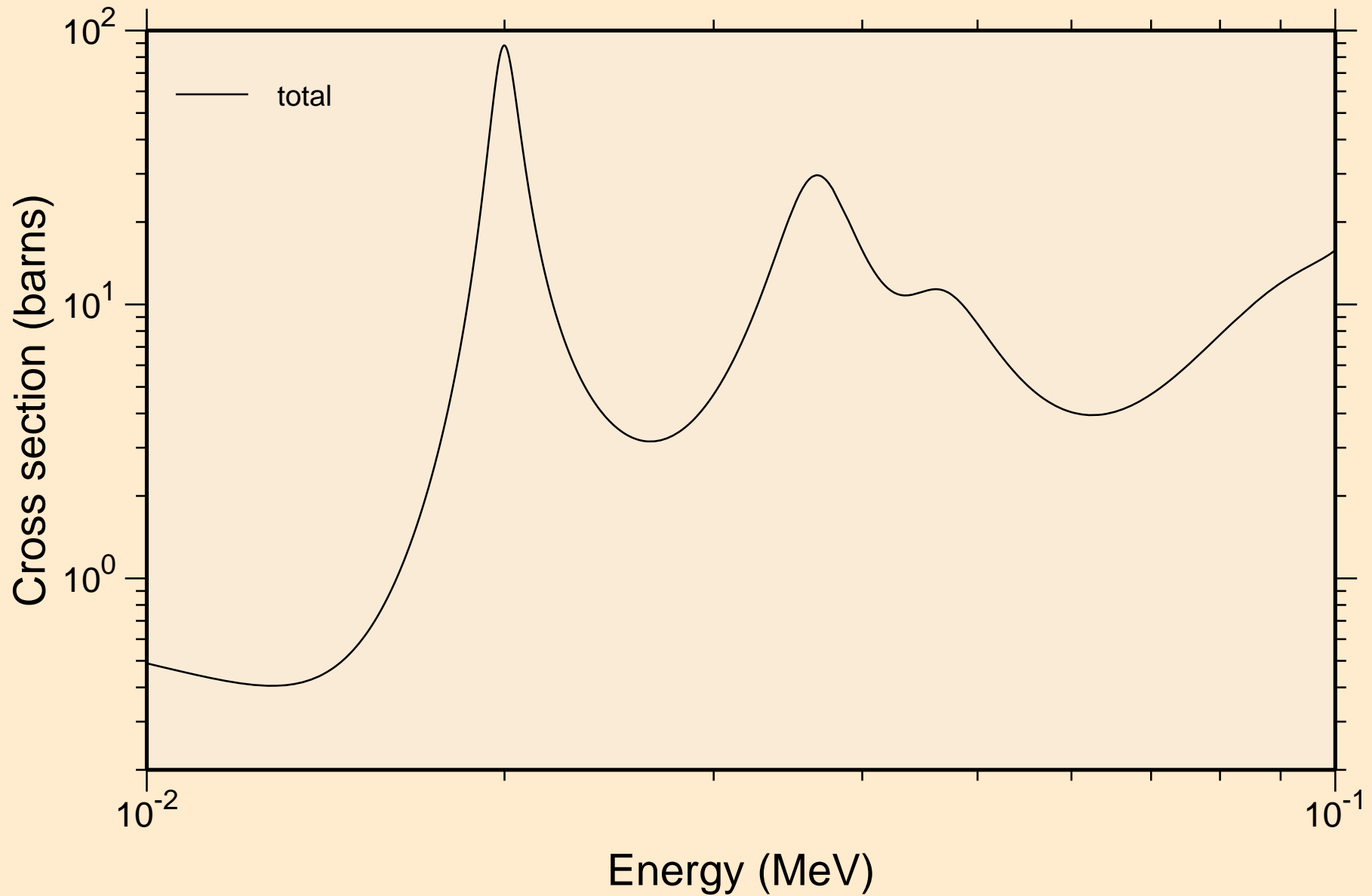


# SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

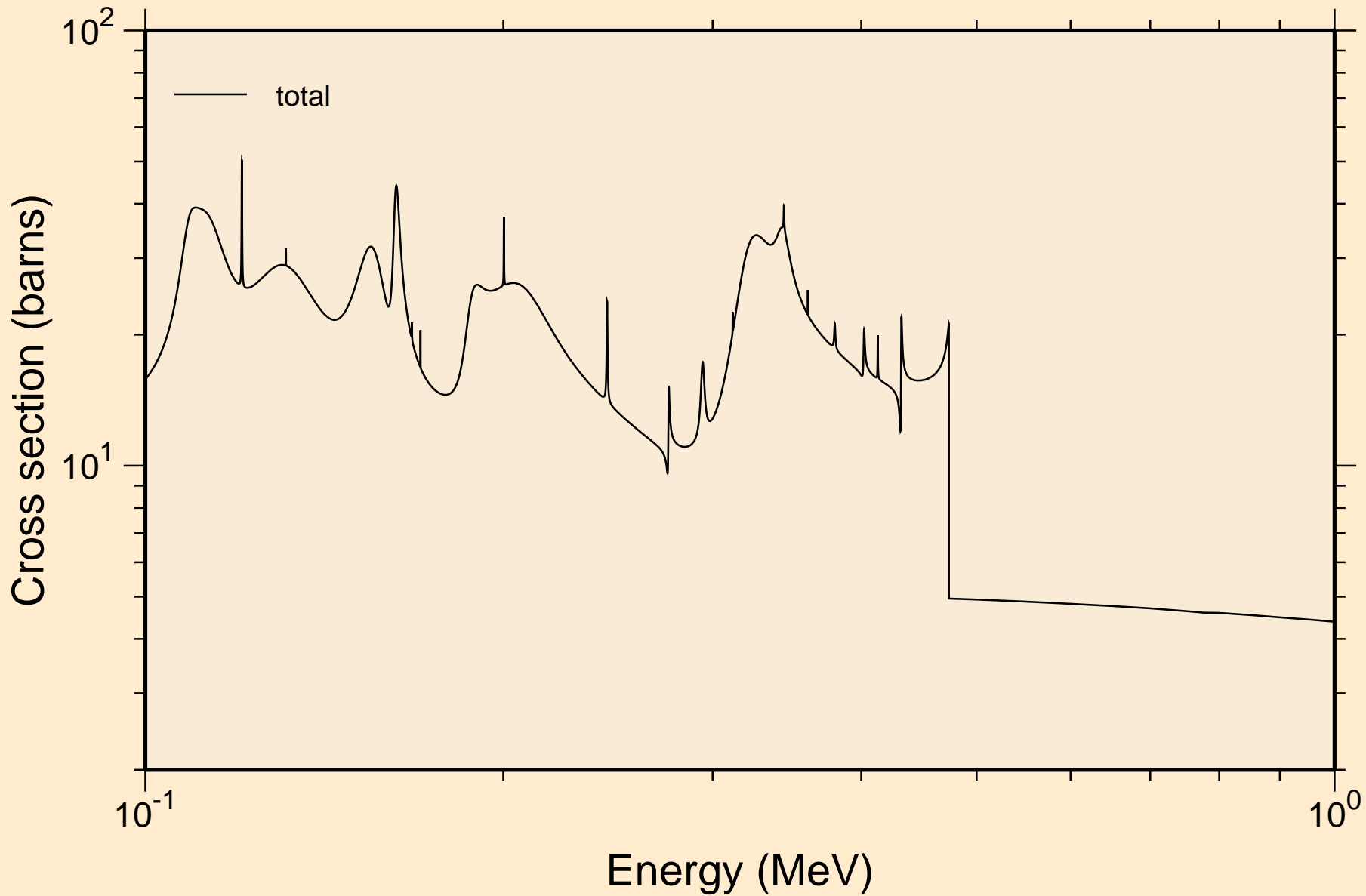
## Principal cross sections



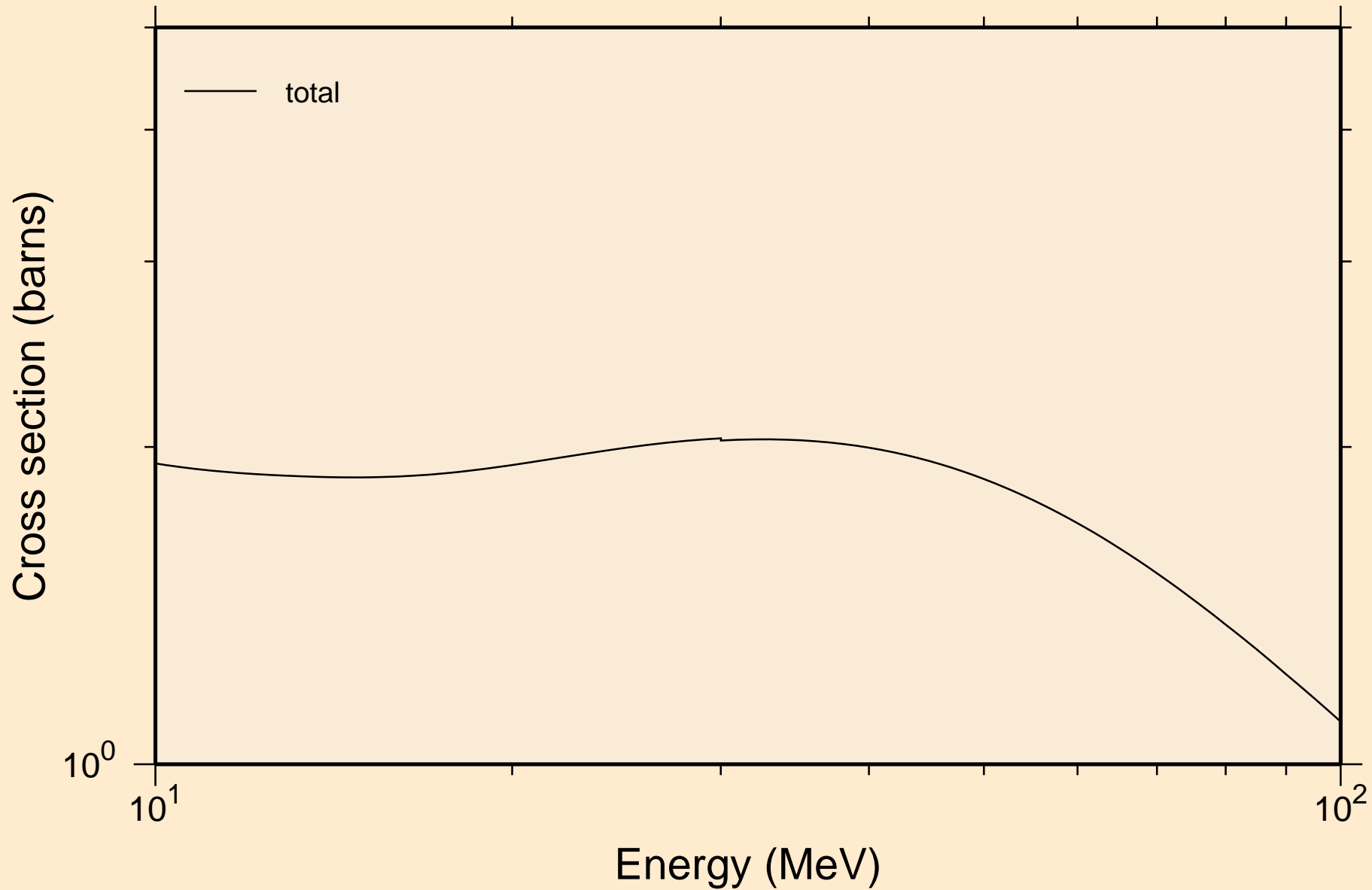
SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



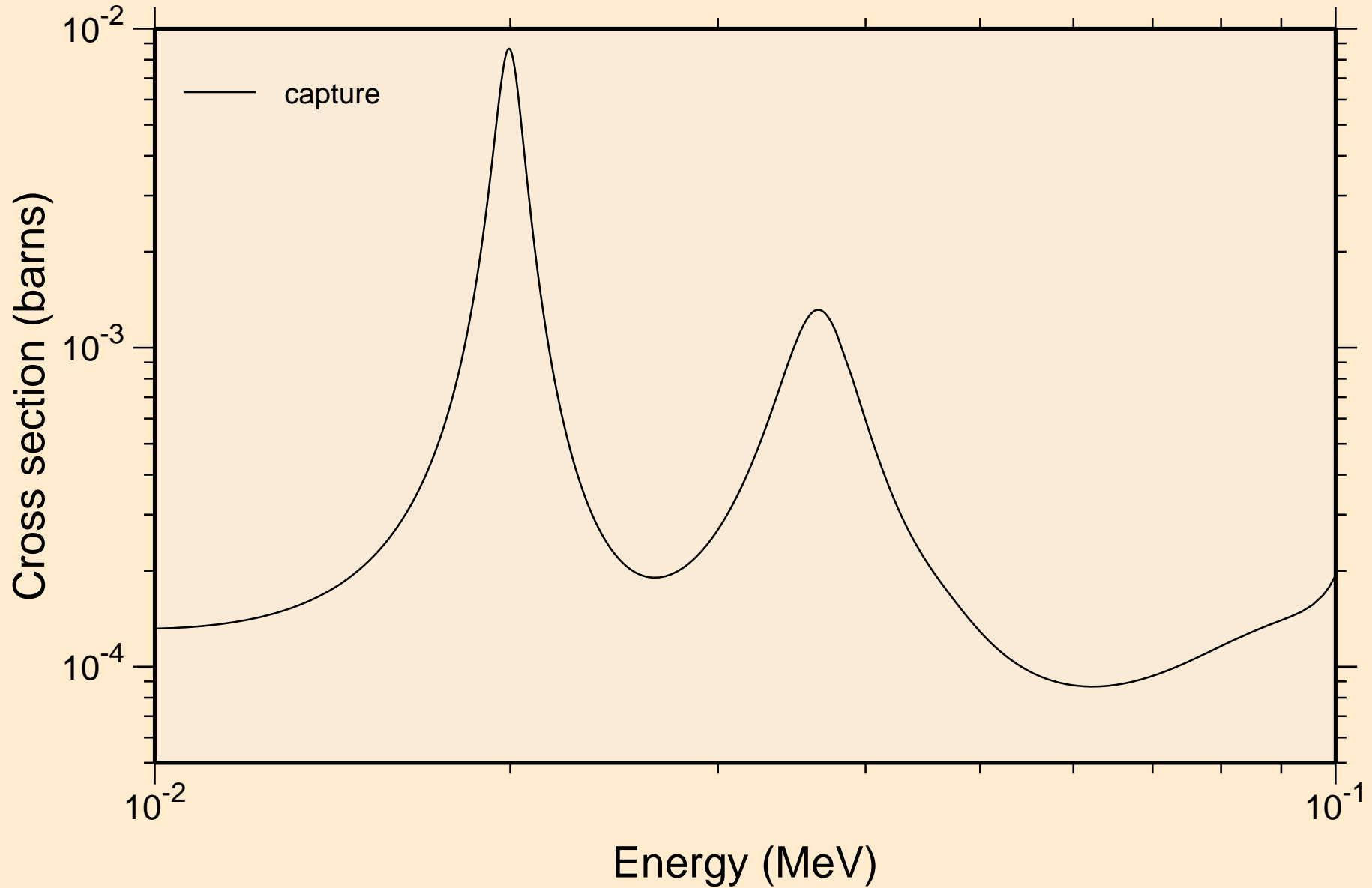
SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



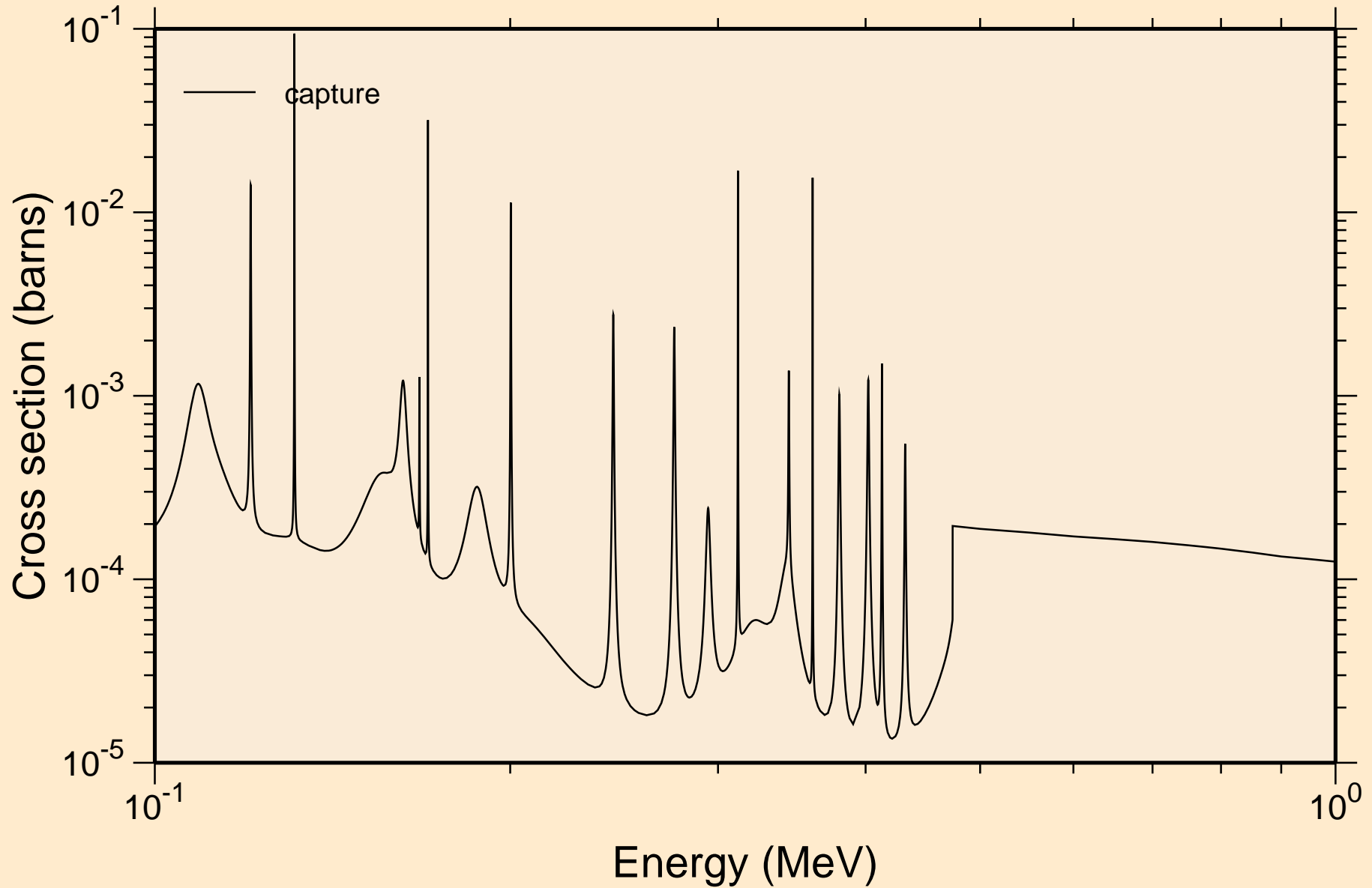
SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



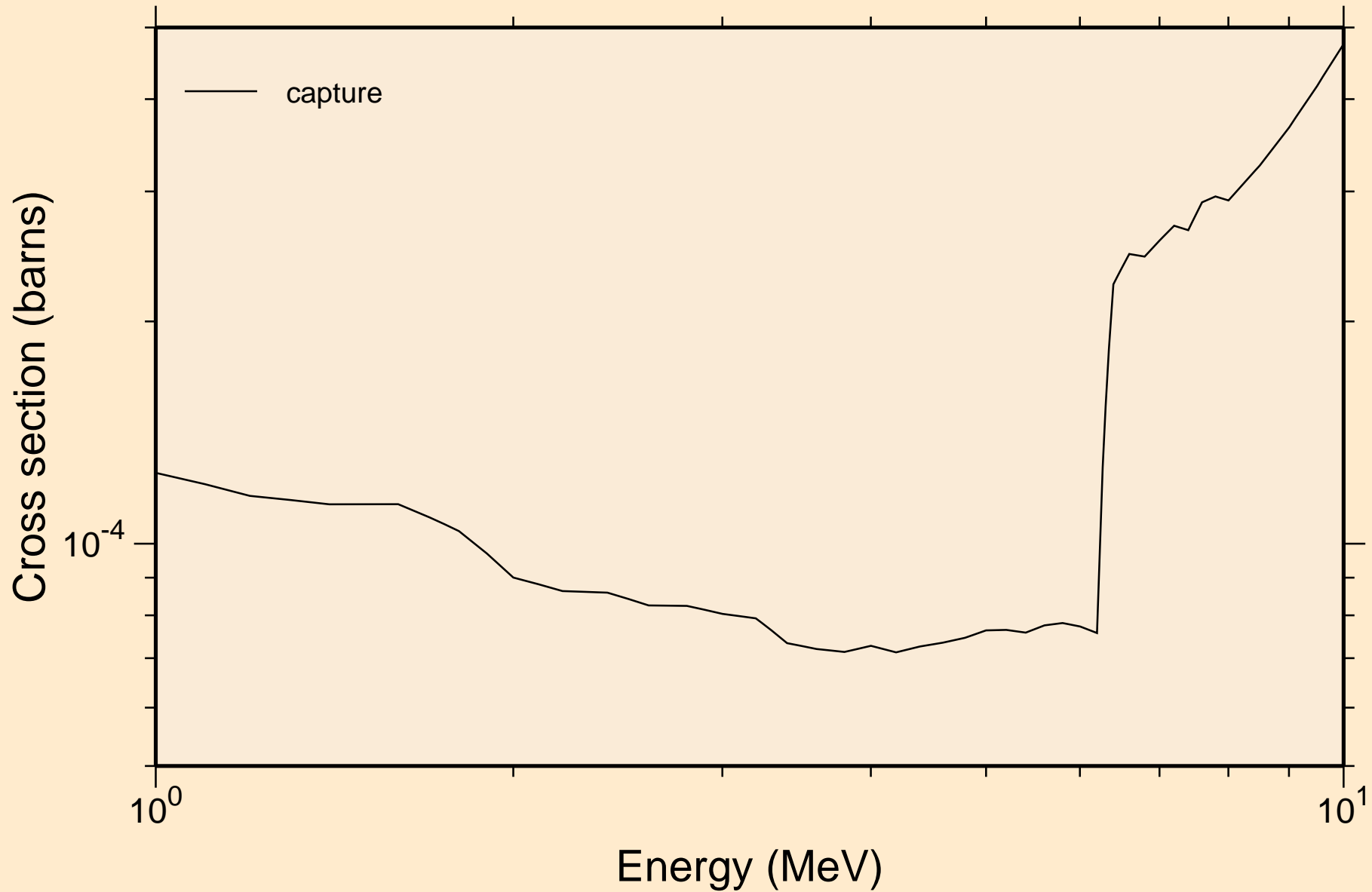
SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



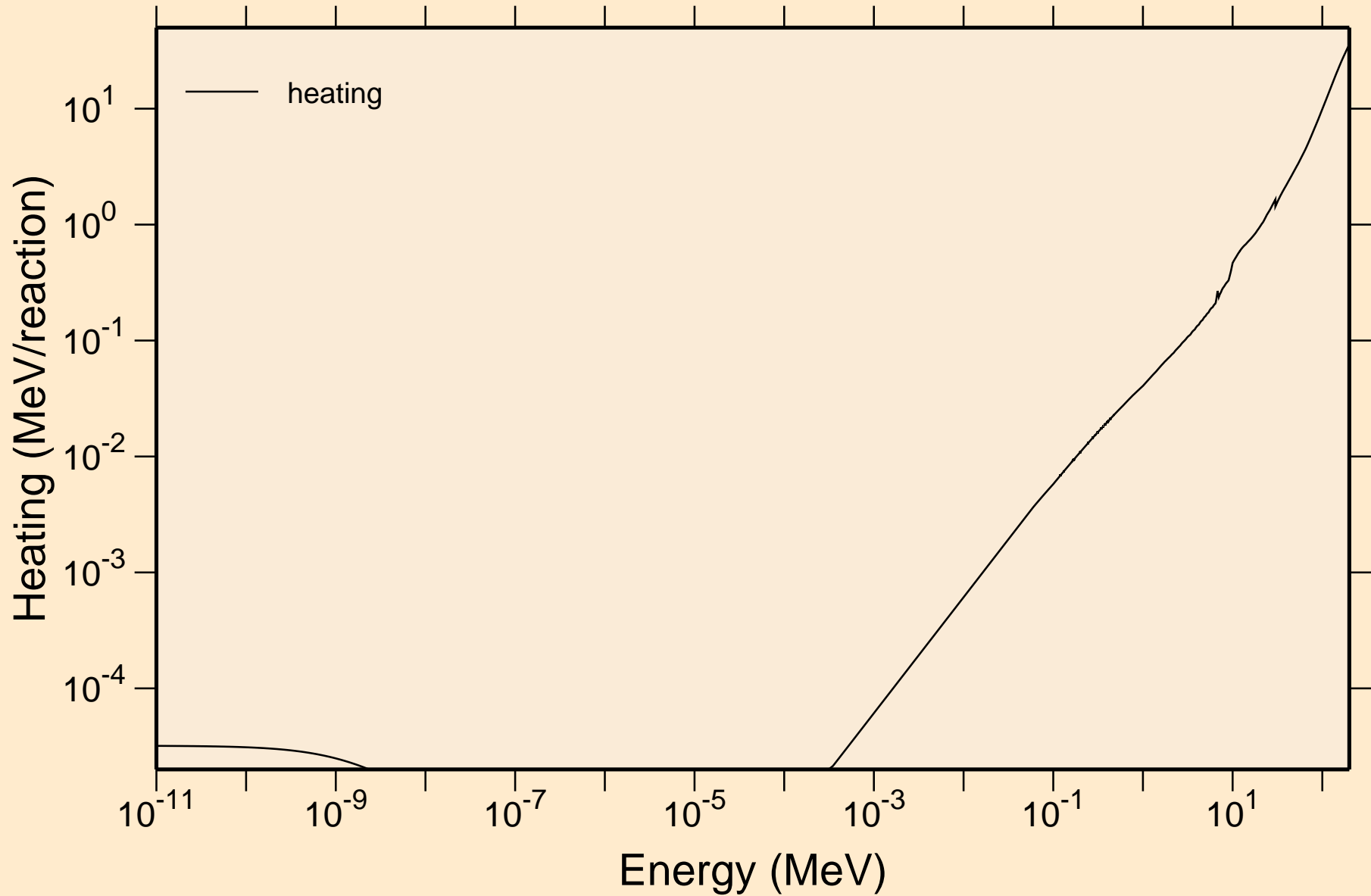
SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections

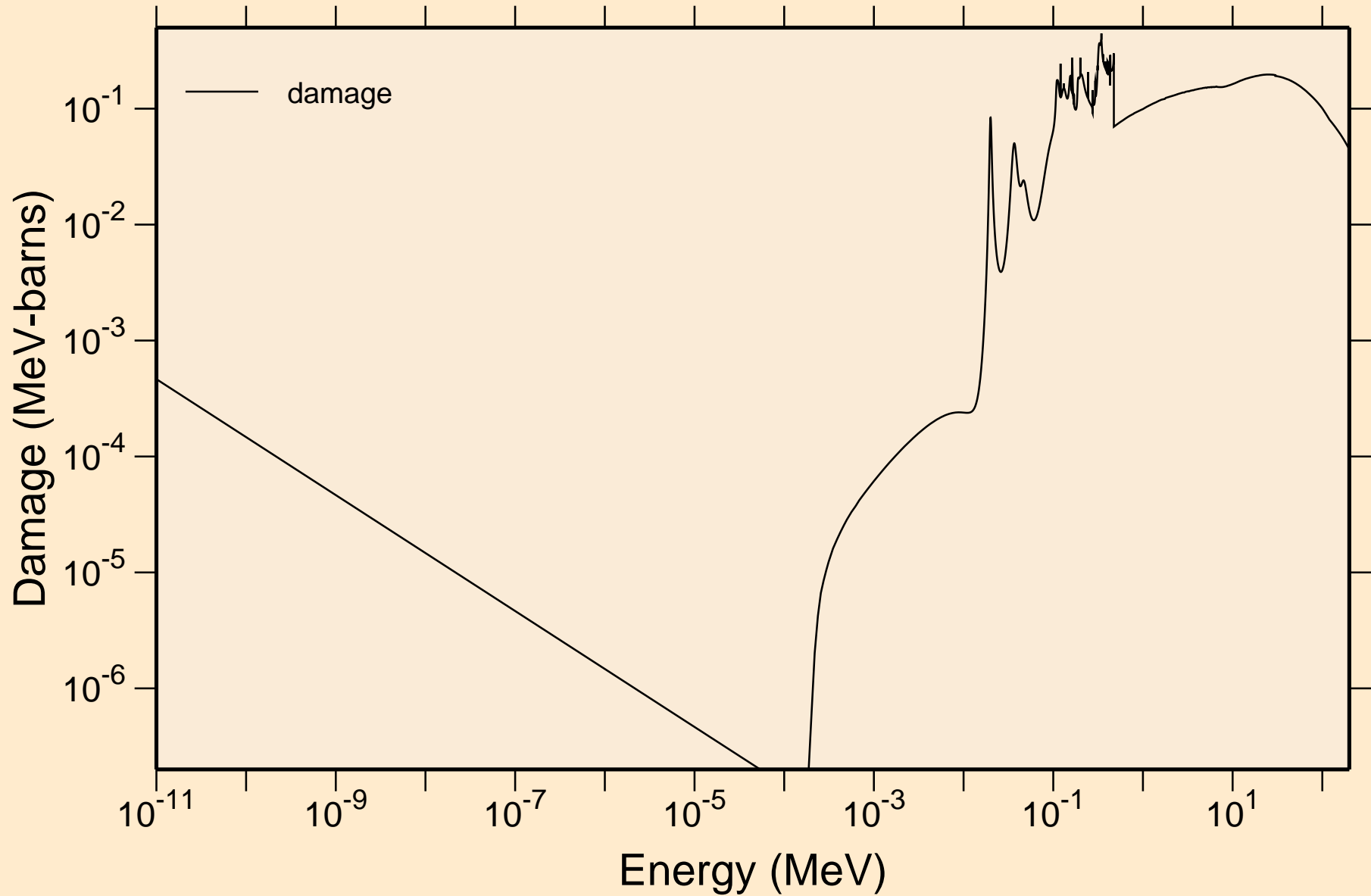


SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Heating

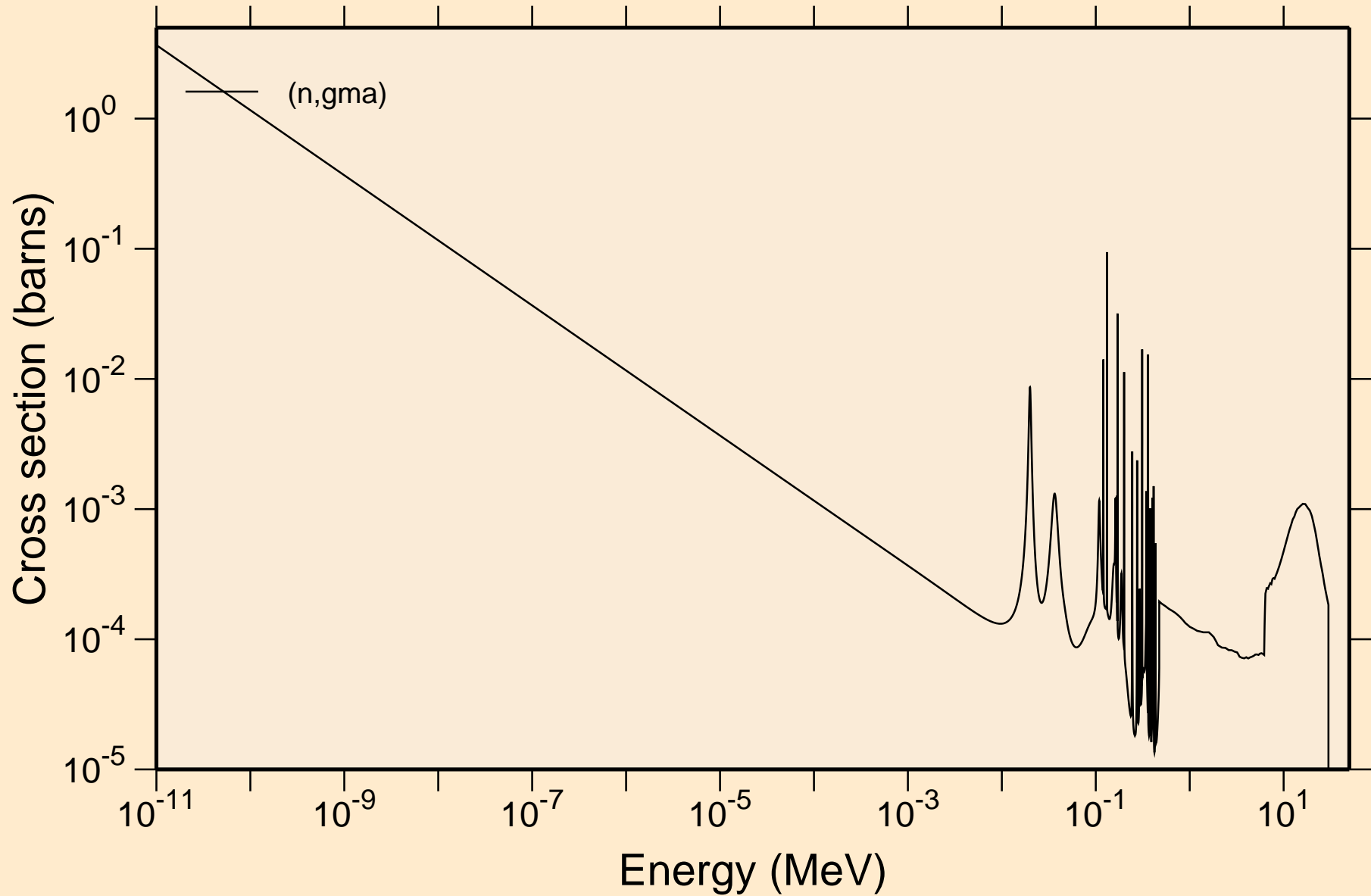




SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Damage

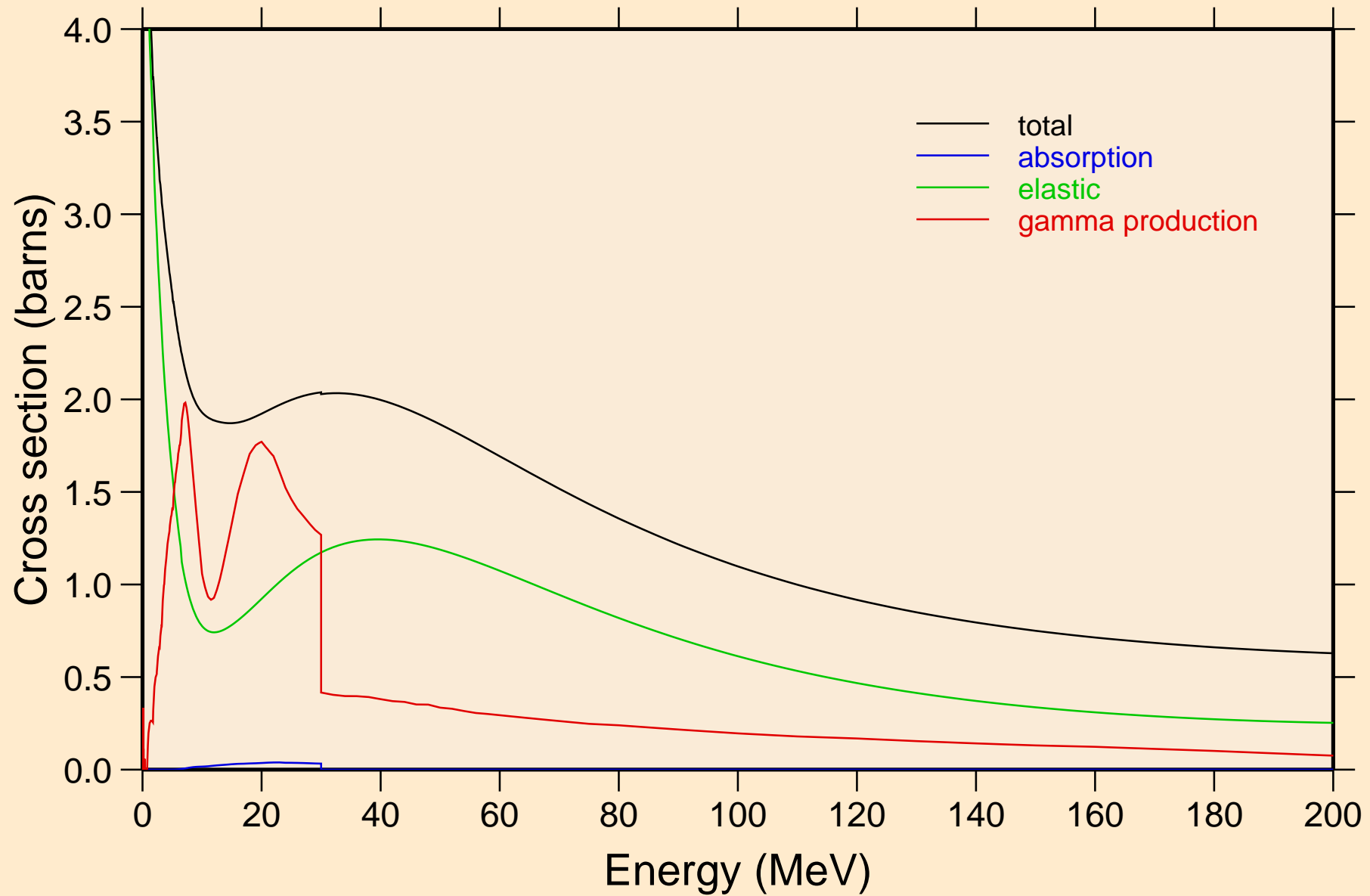


SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions



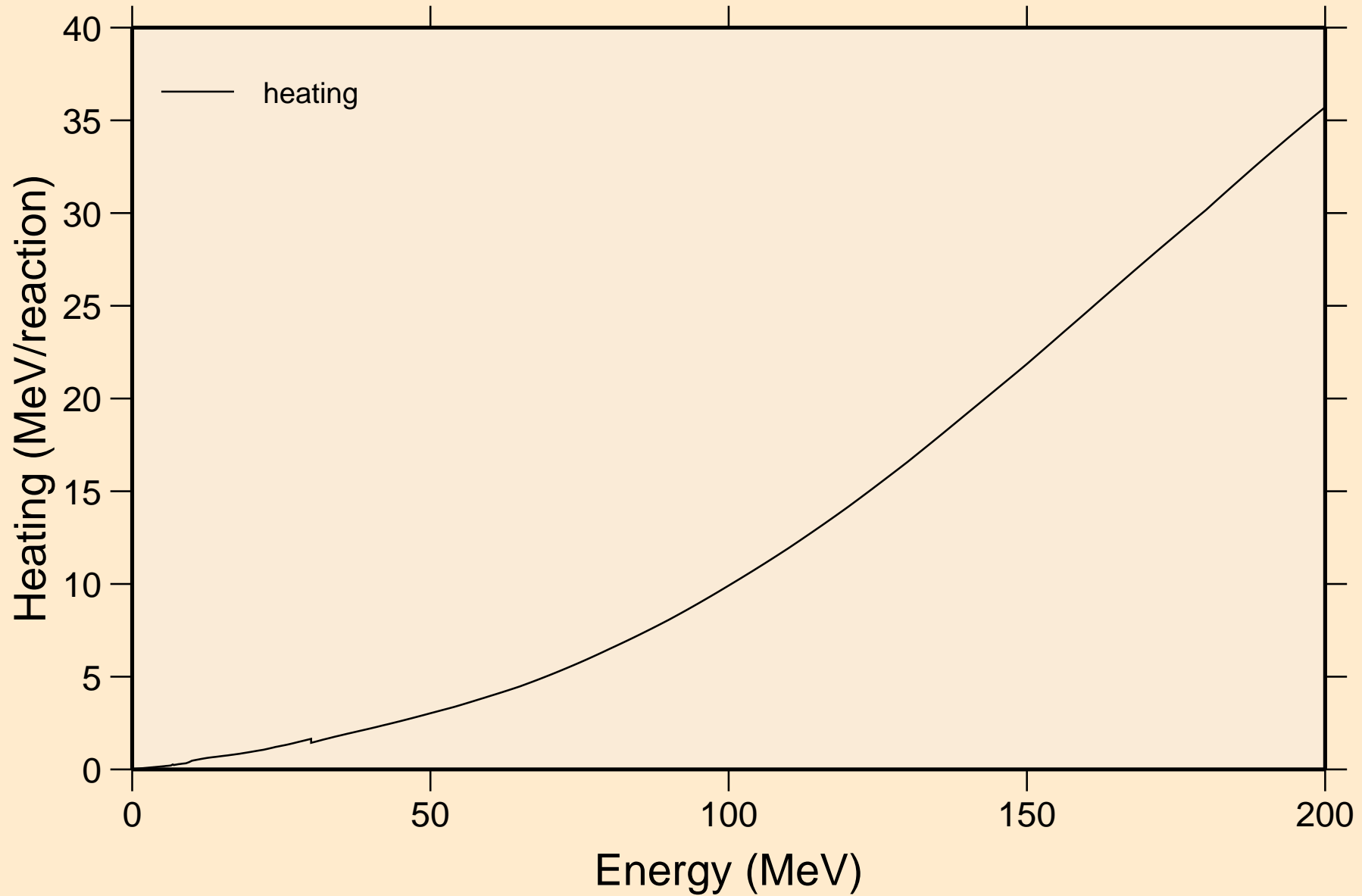
# SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Principal cross sections

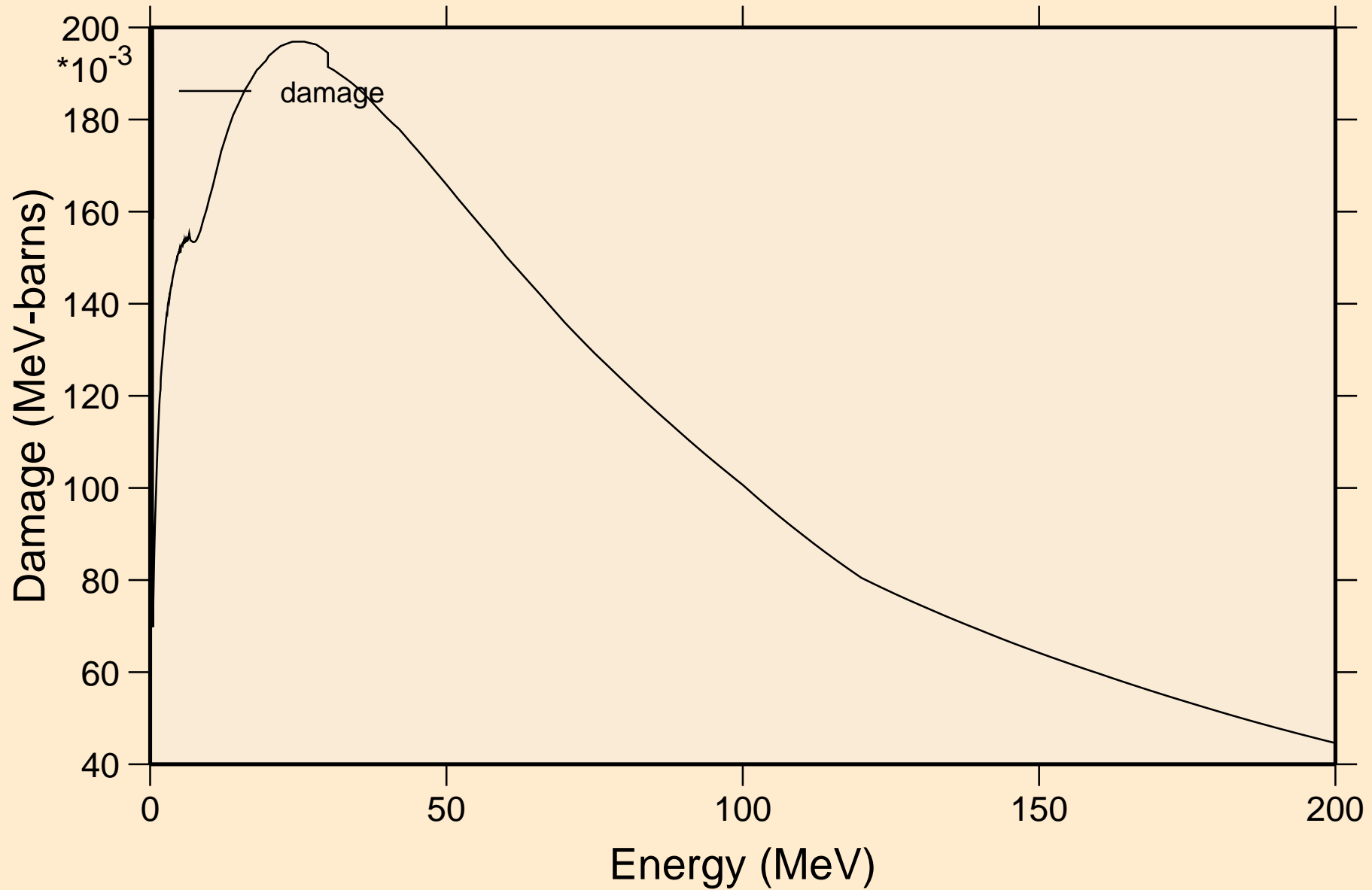


SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

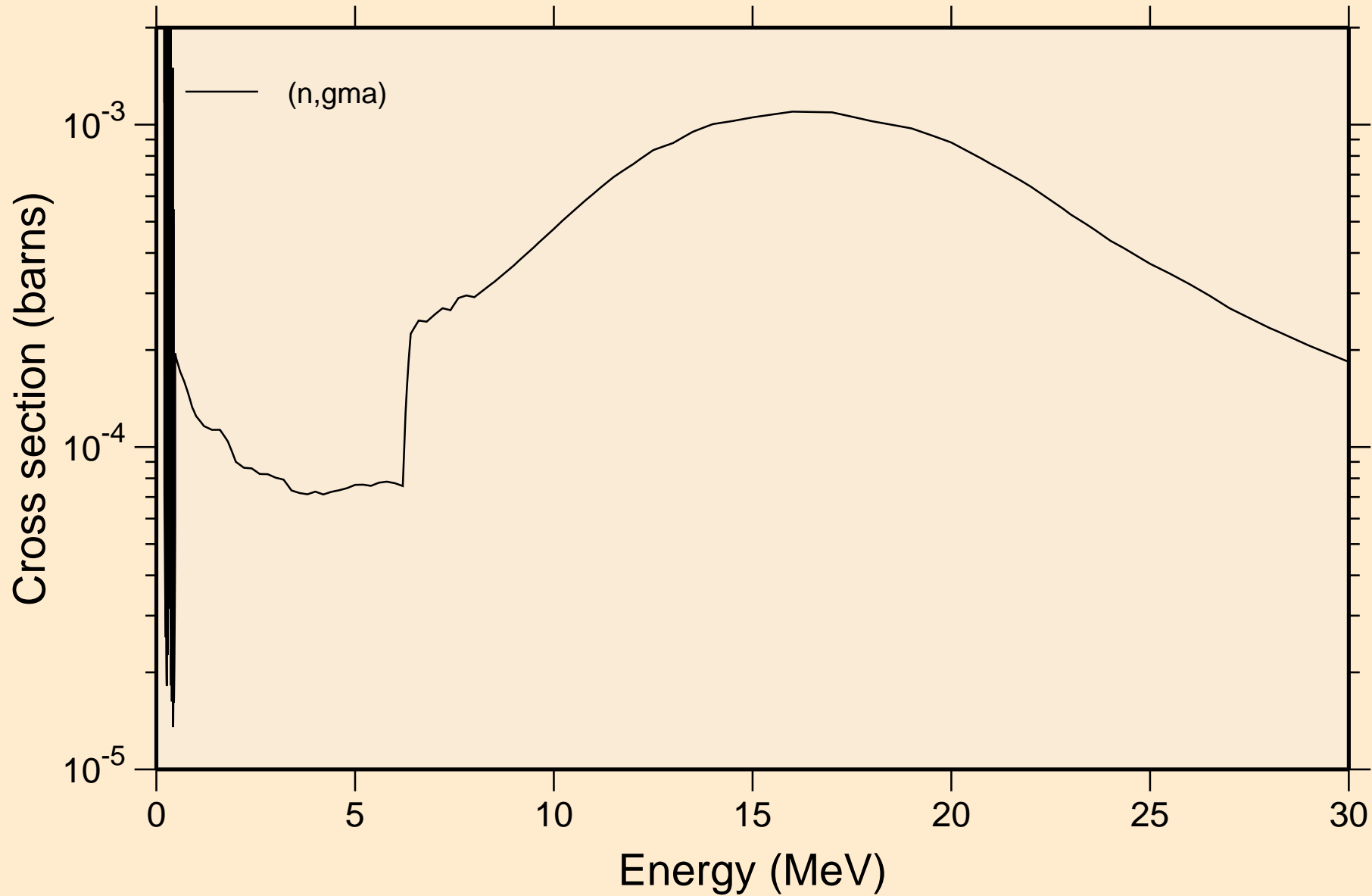
Heating



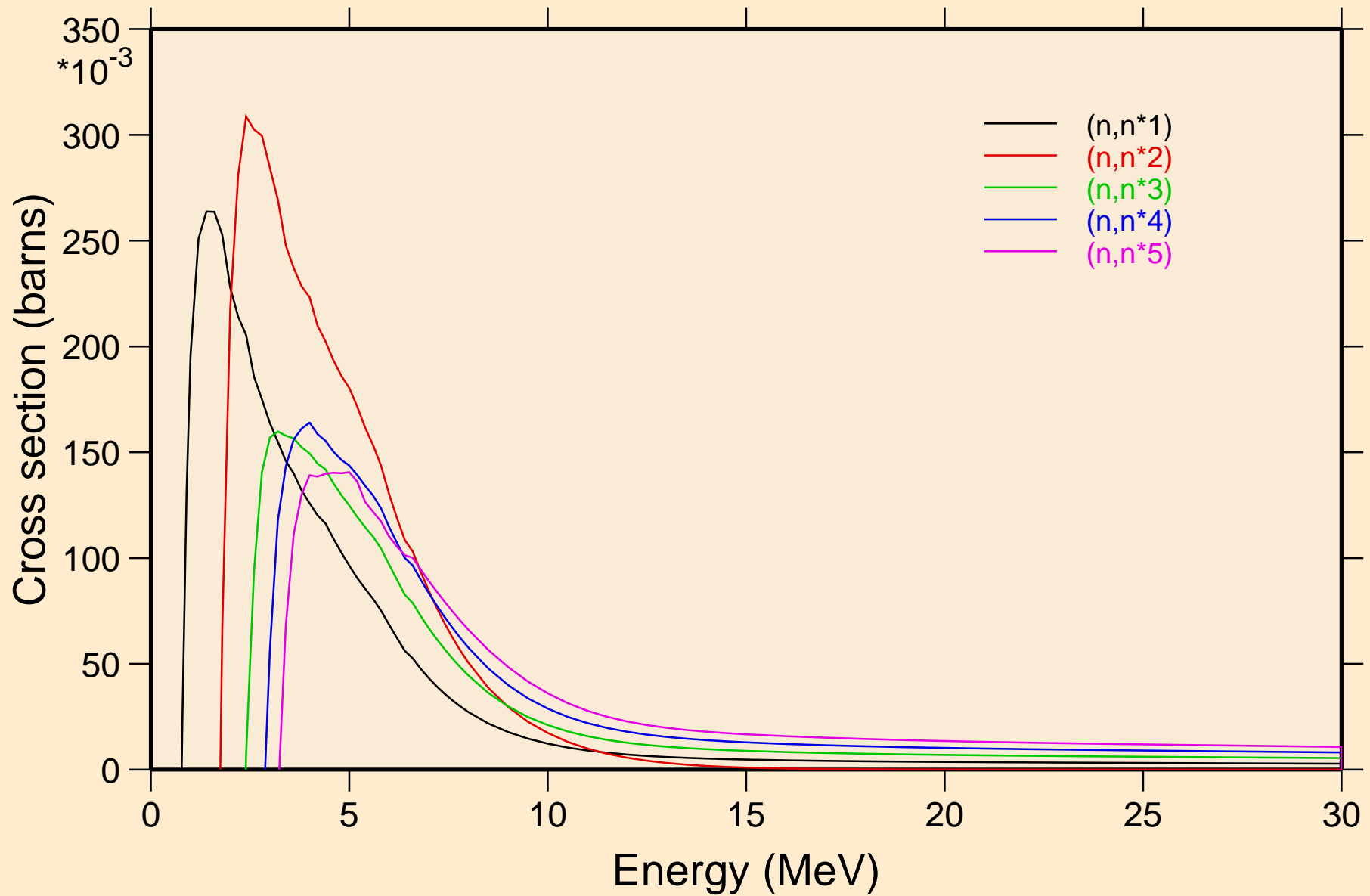
SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Damage



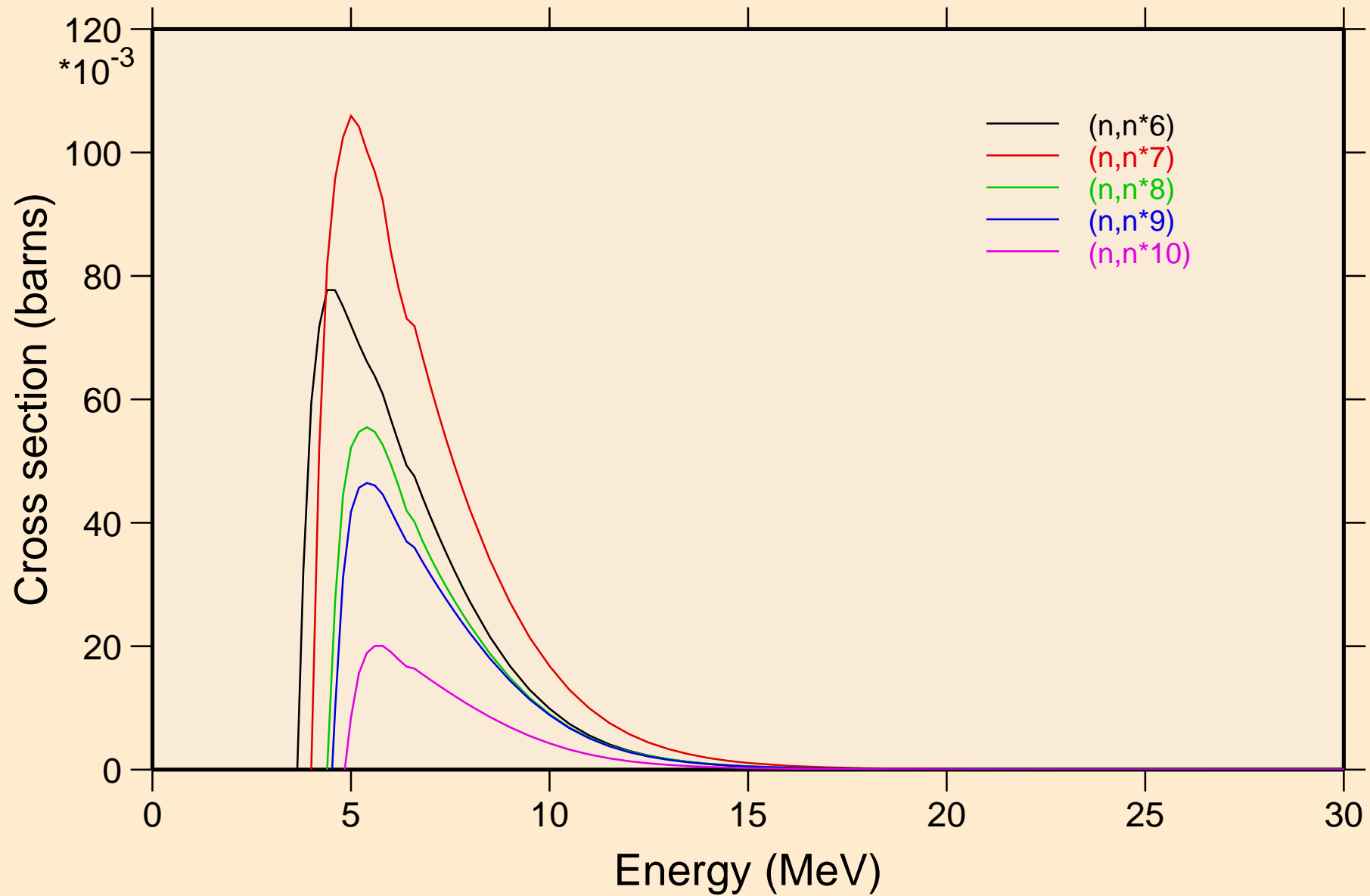
SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions



SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels

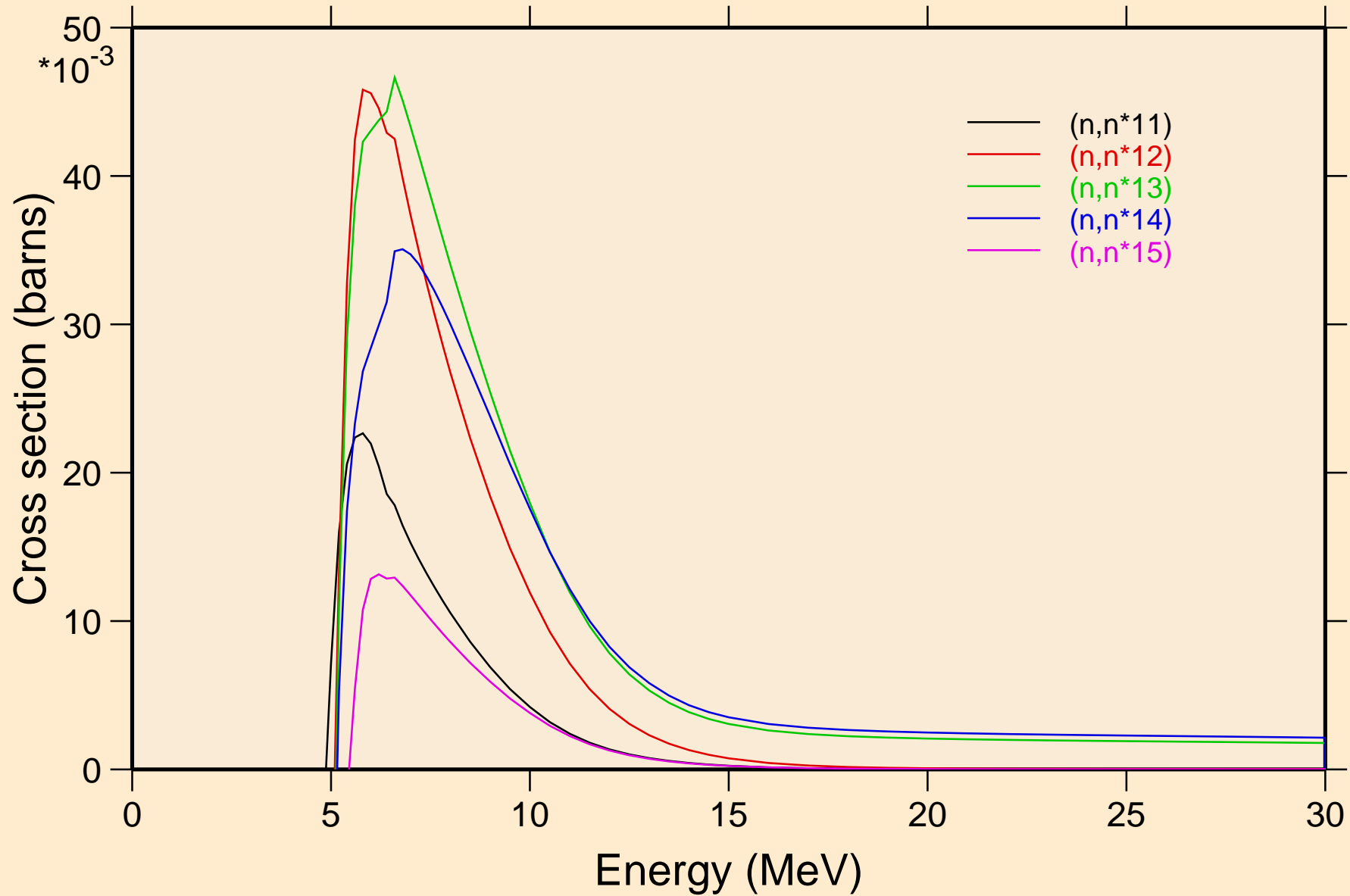


SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels

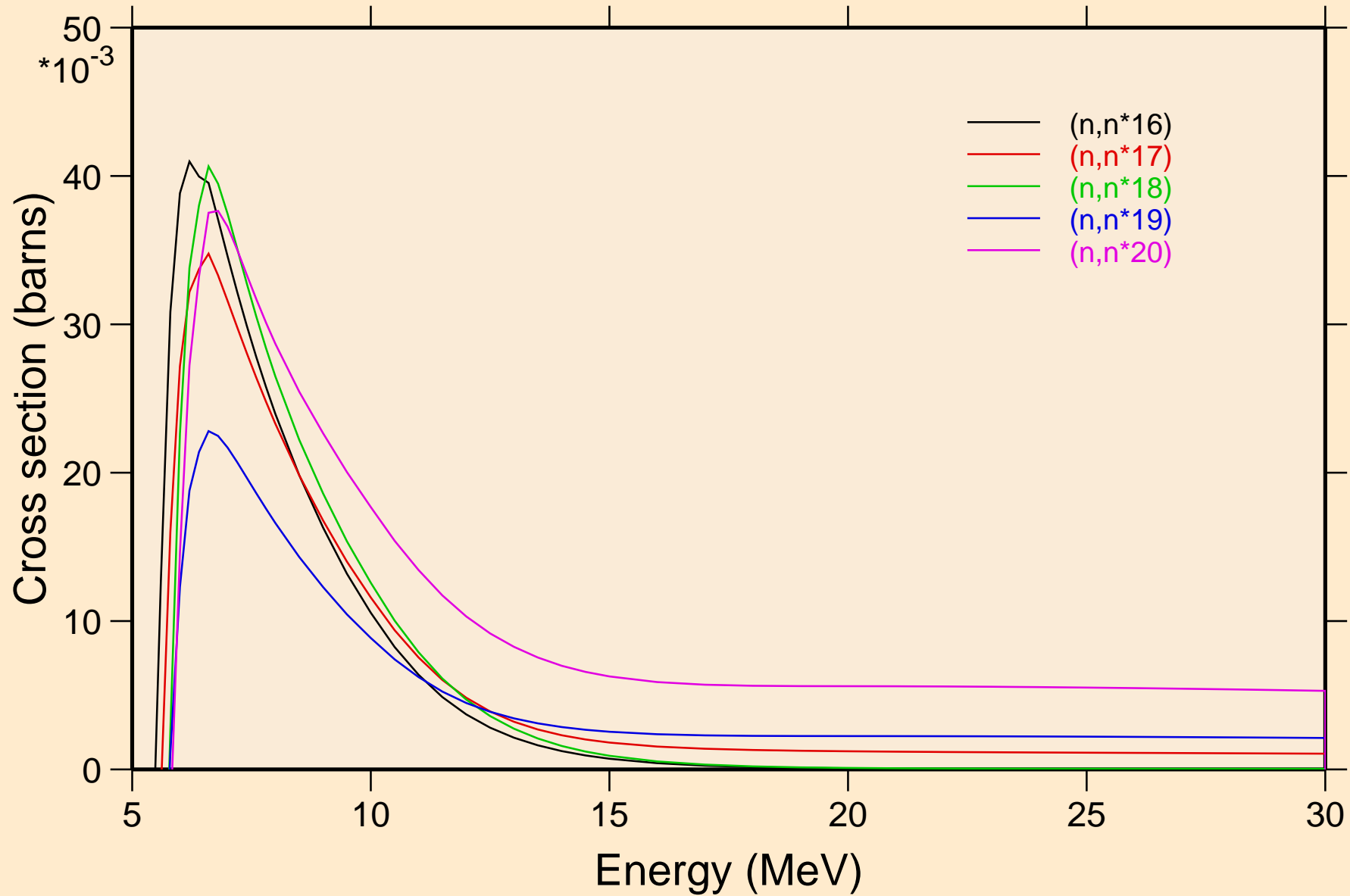




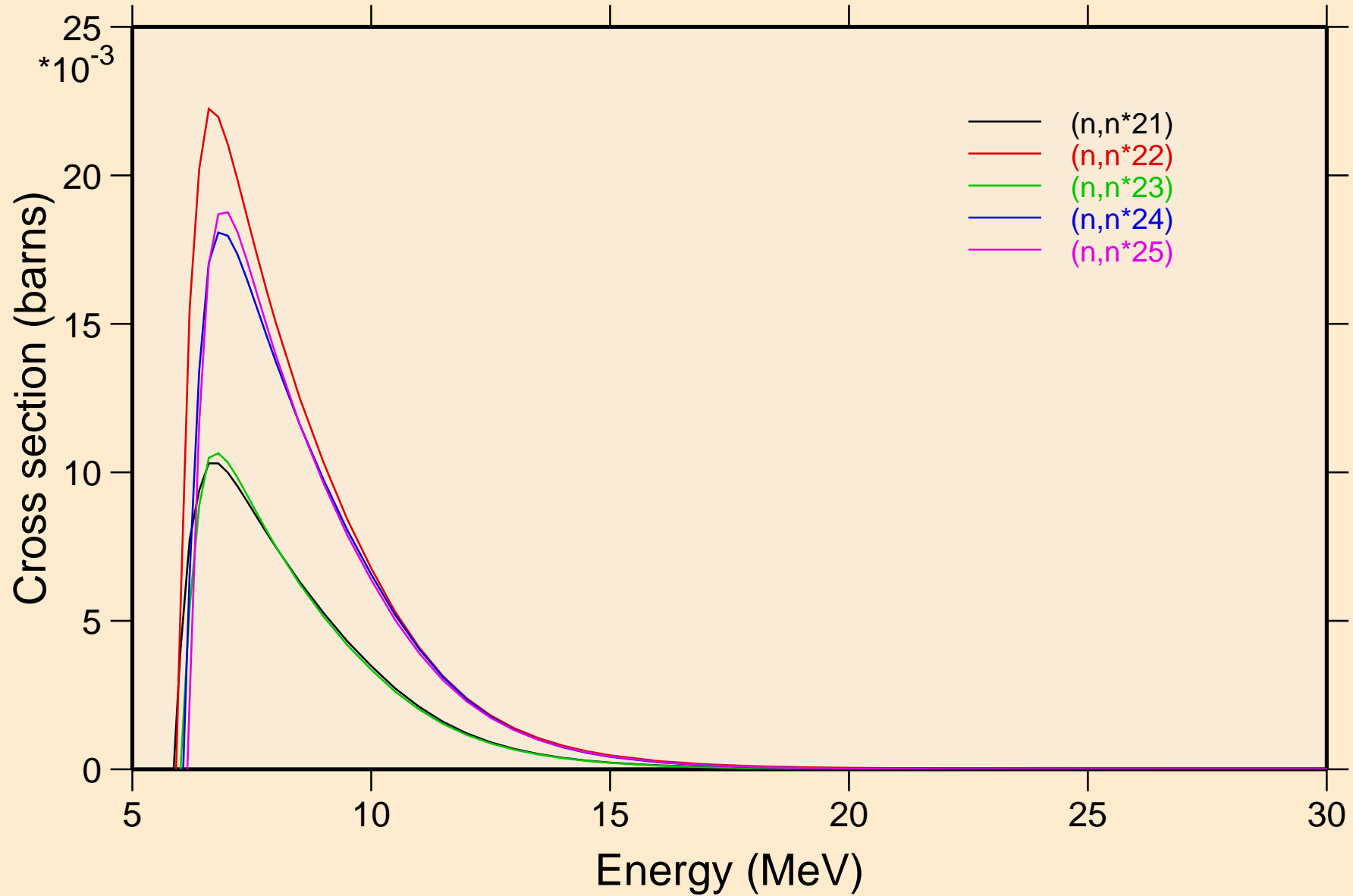
SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



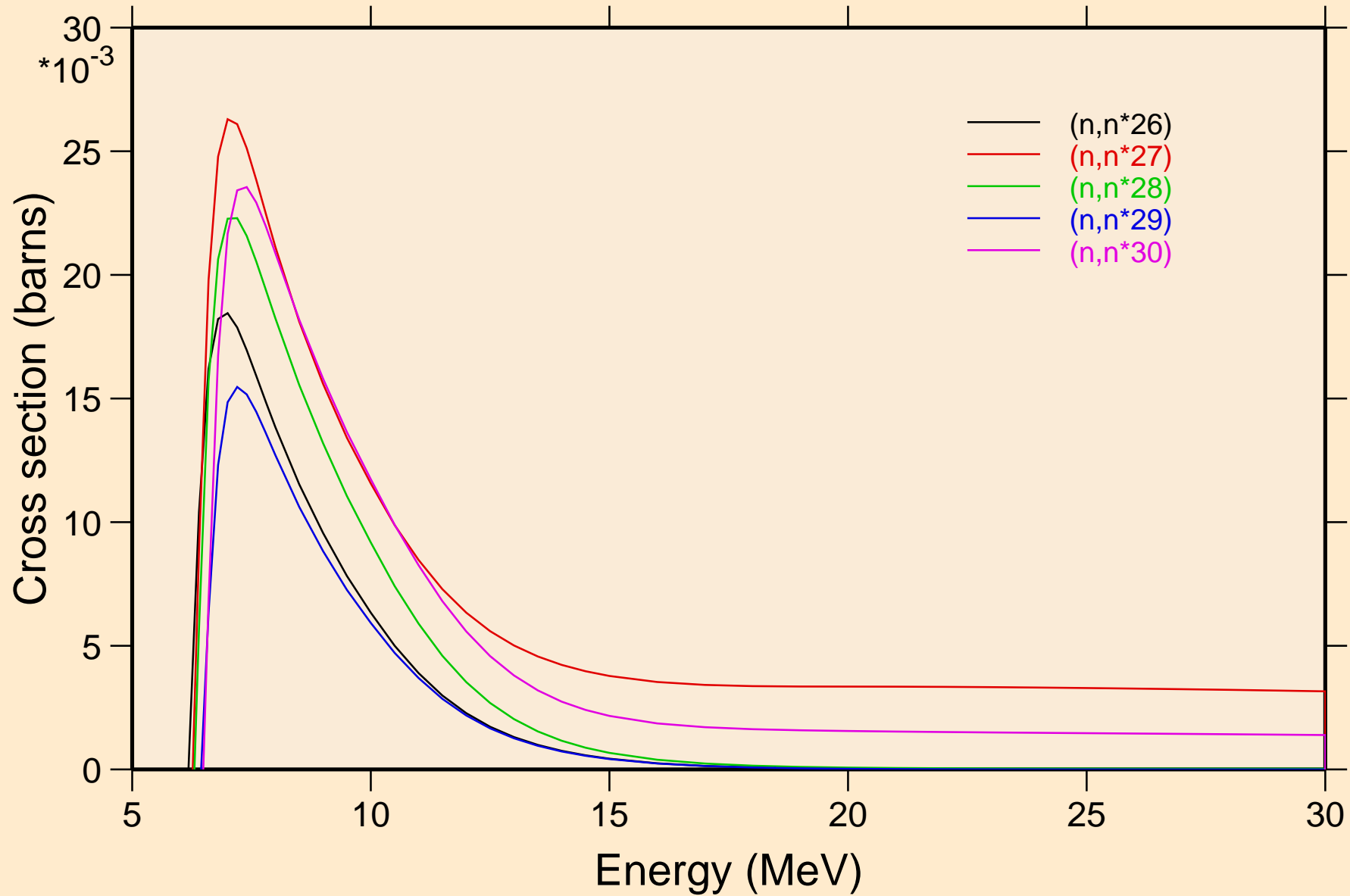
SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



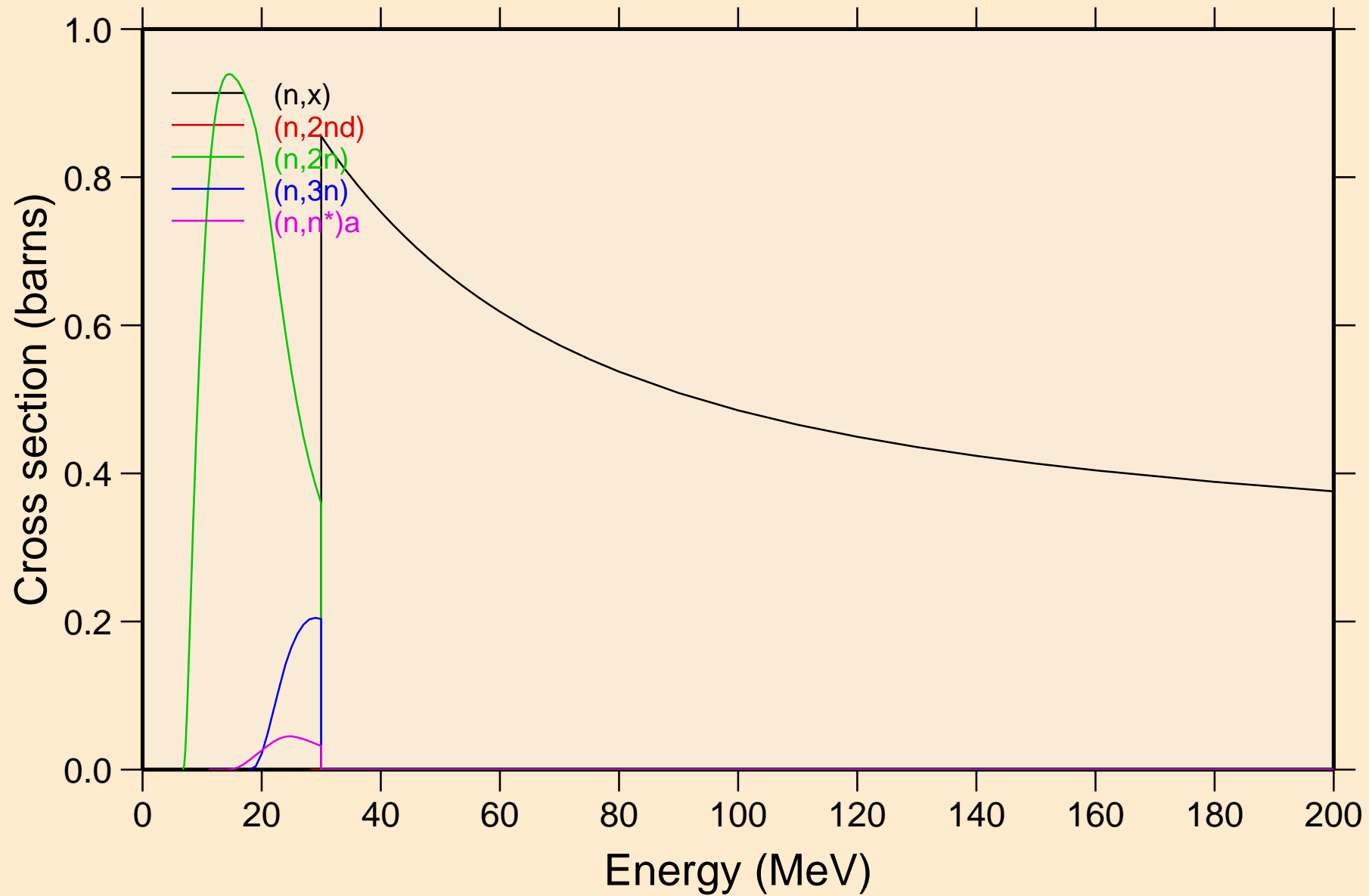
SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels

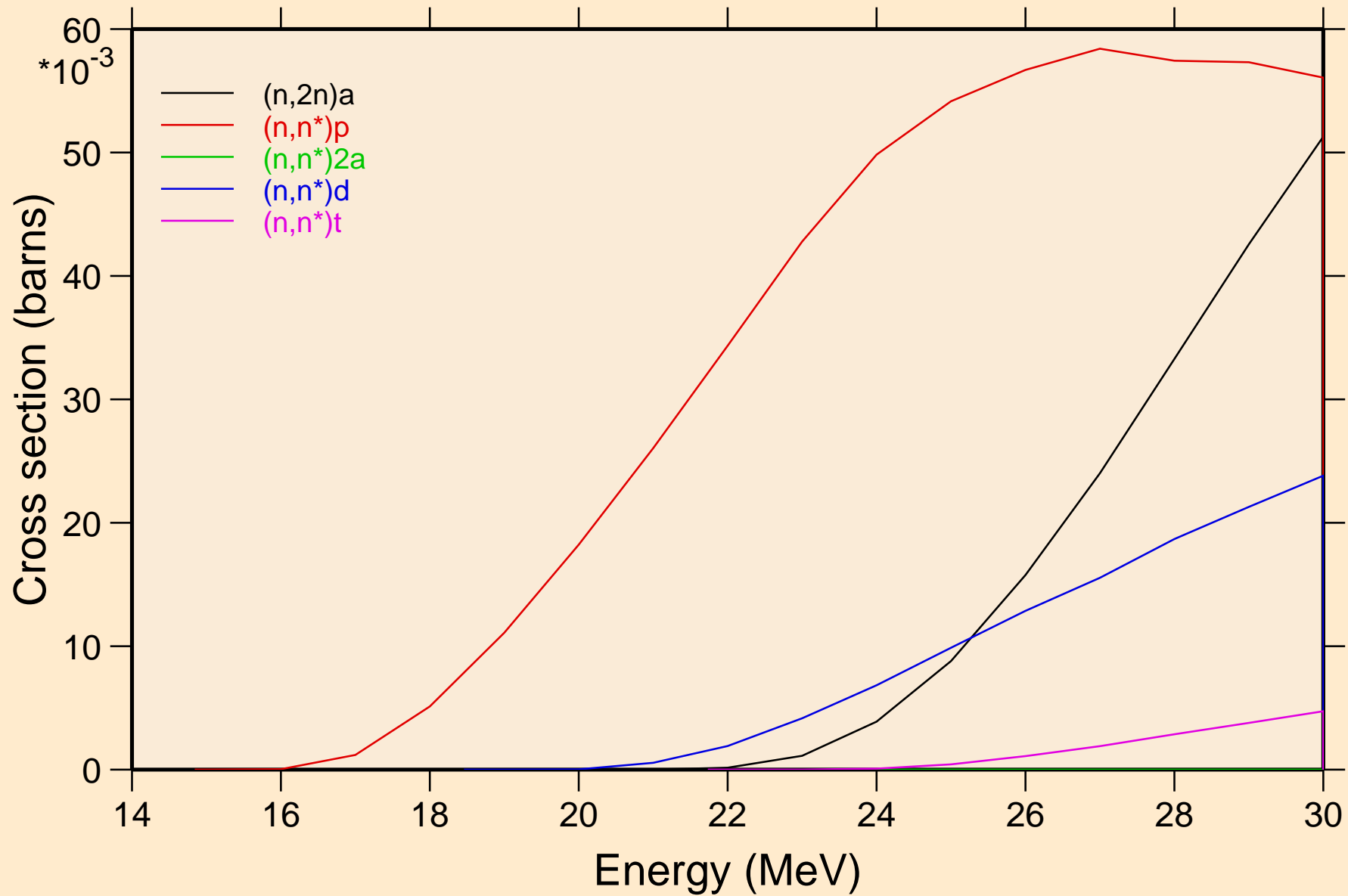


SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions

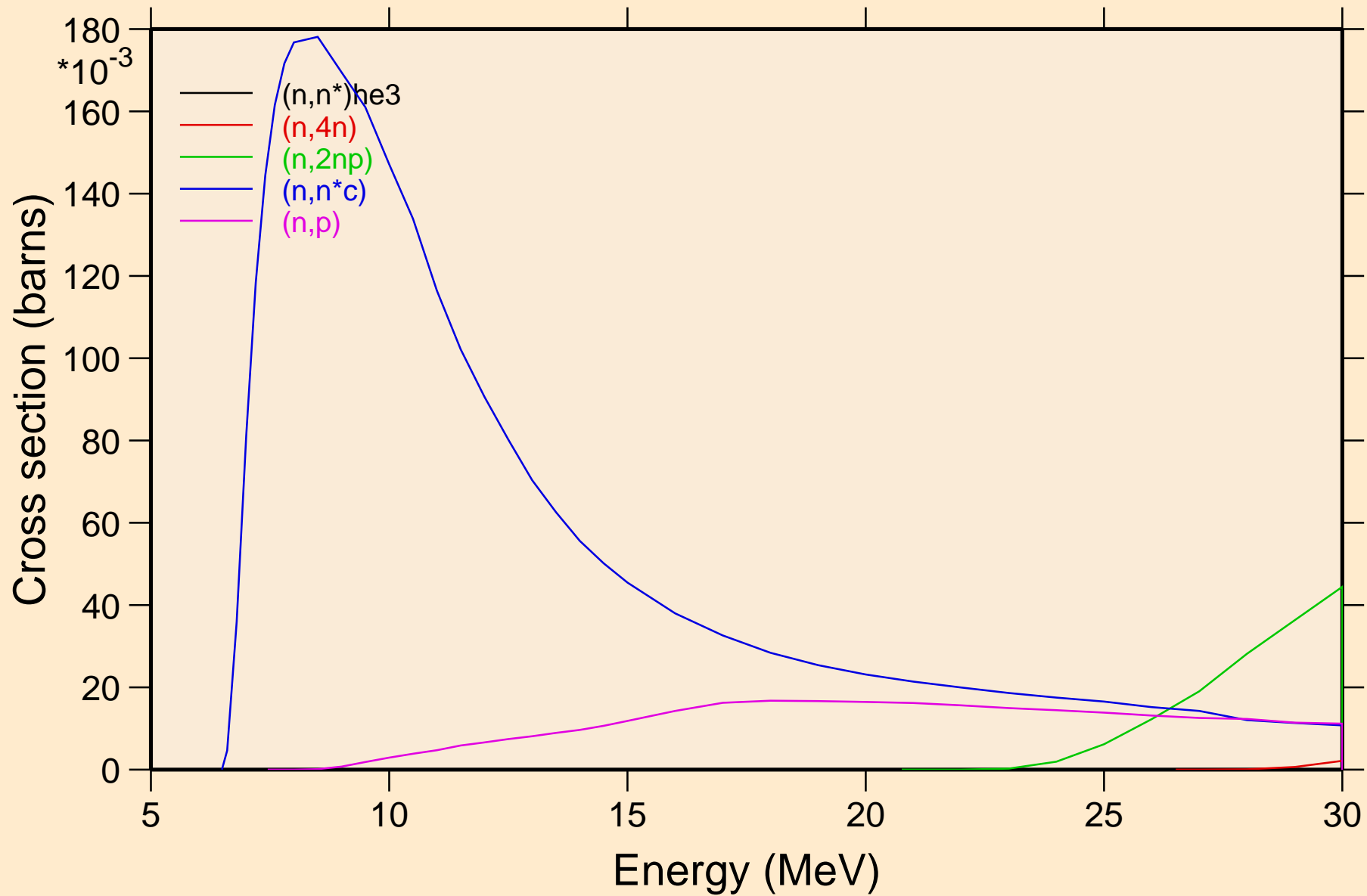


# SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

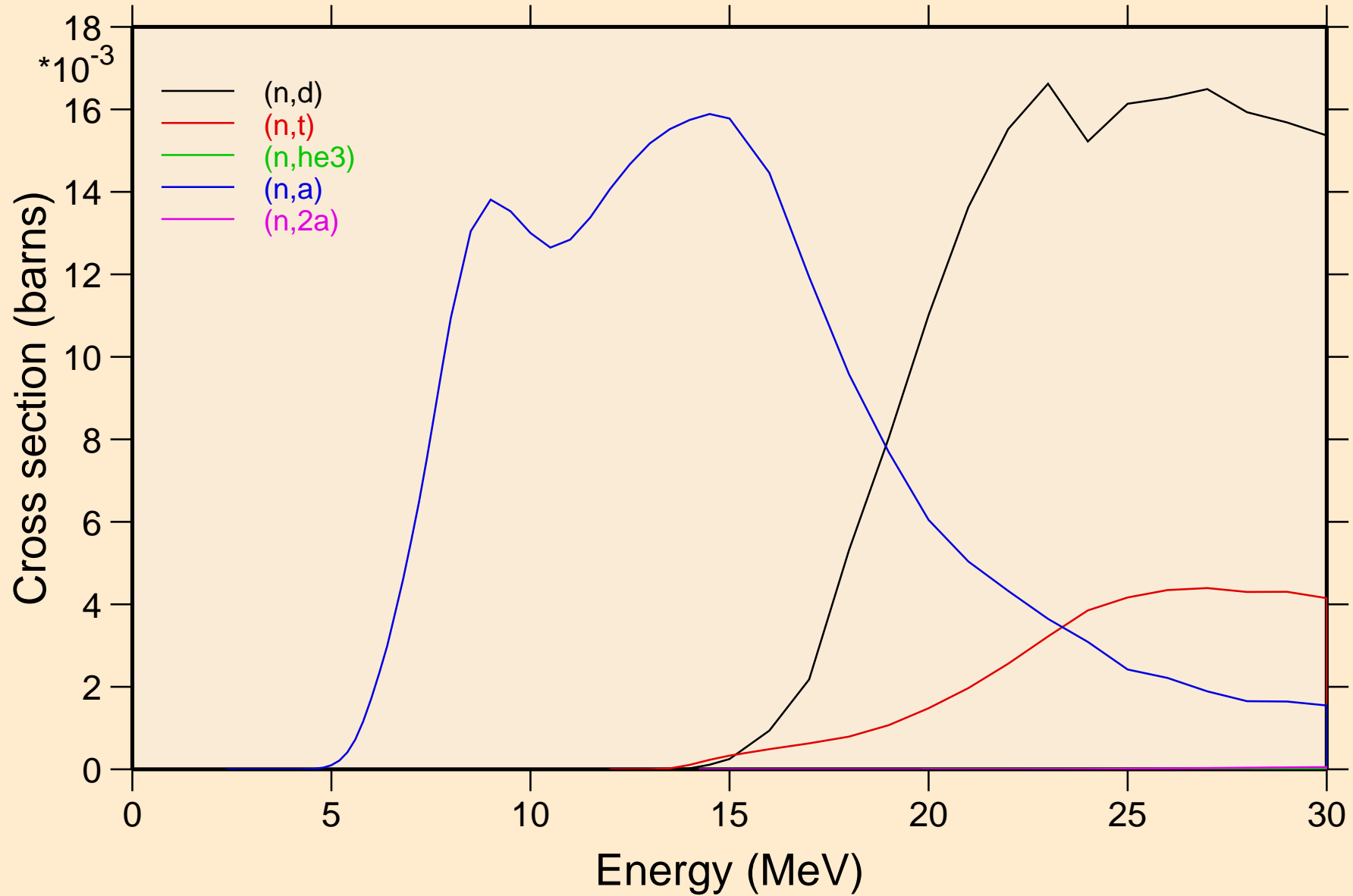
## Threshold reactions



SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions

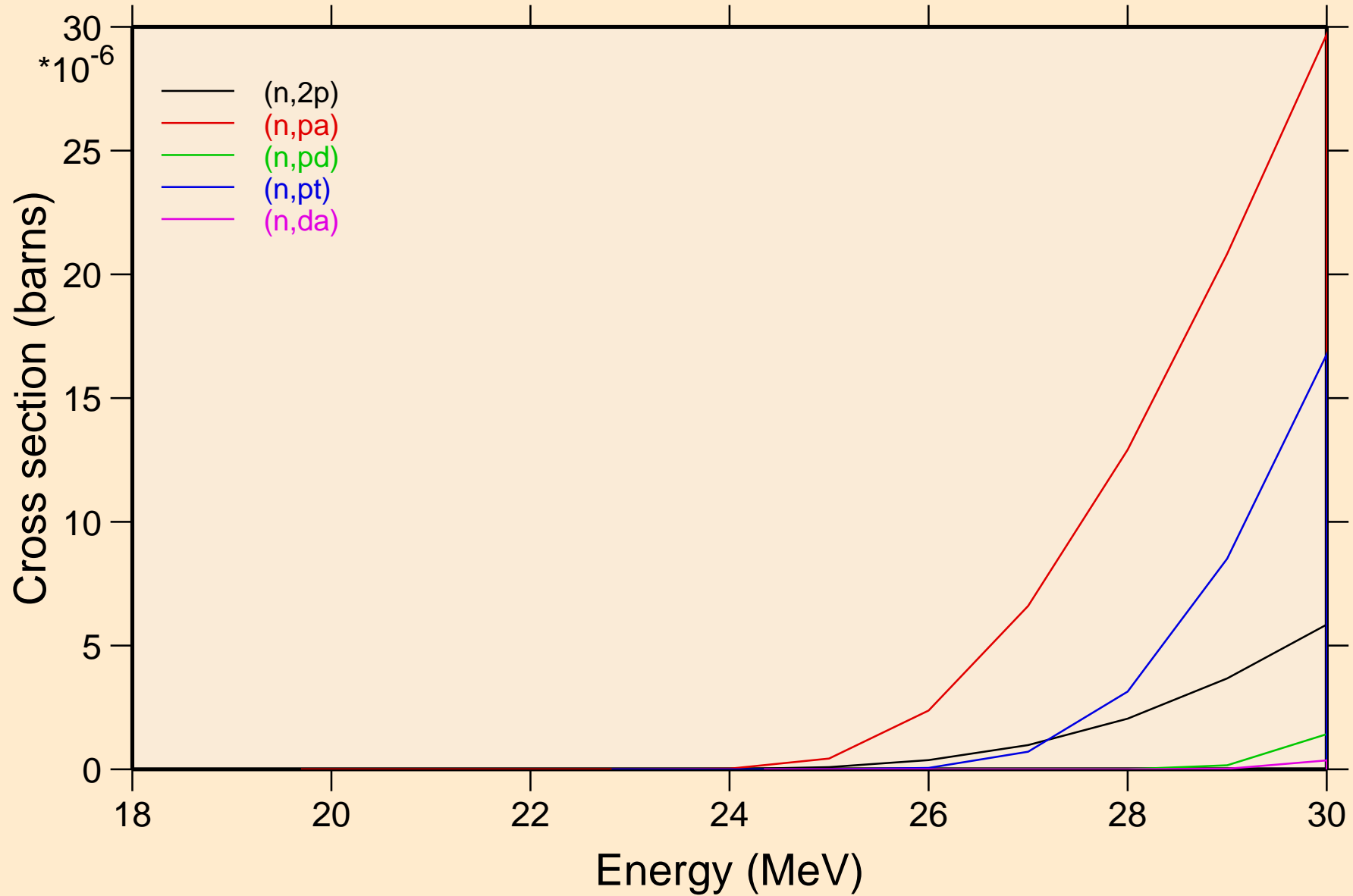


SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions

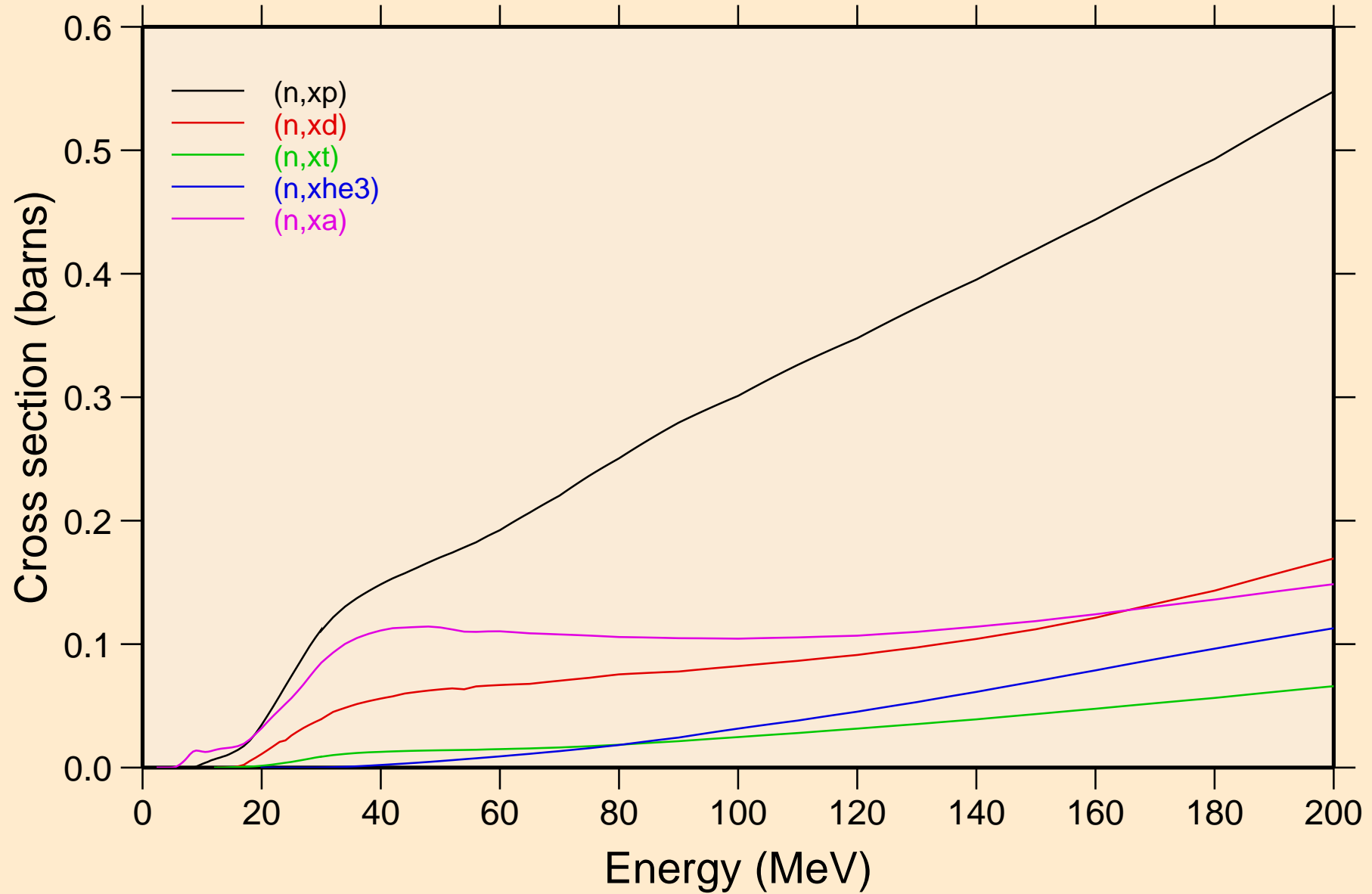




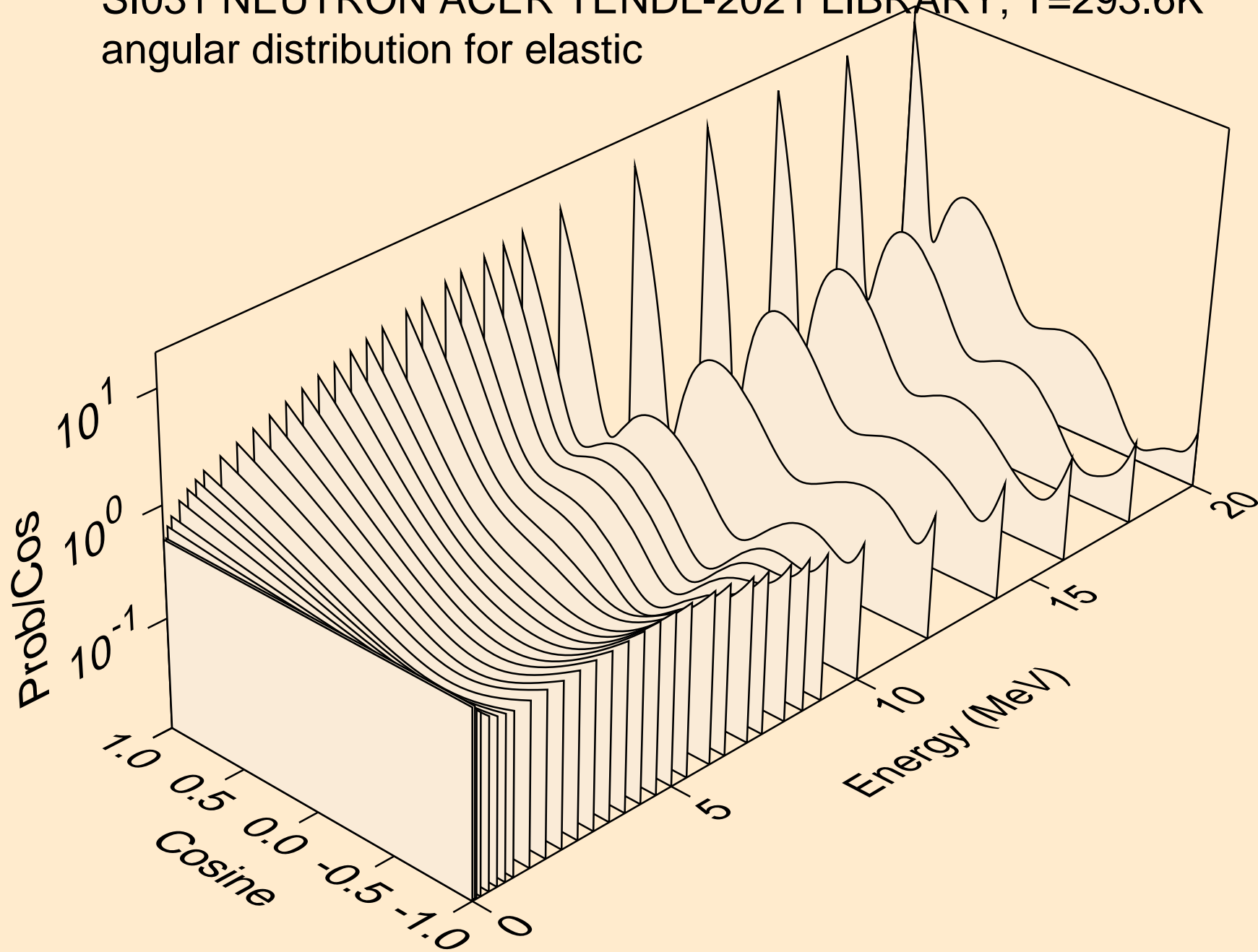
SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



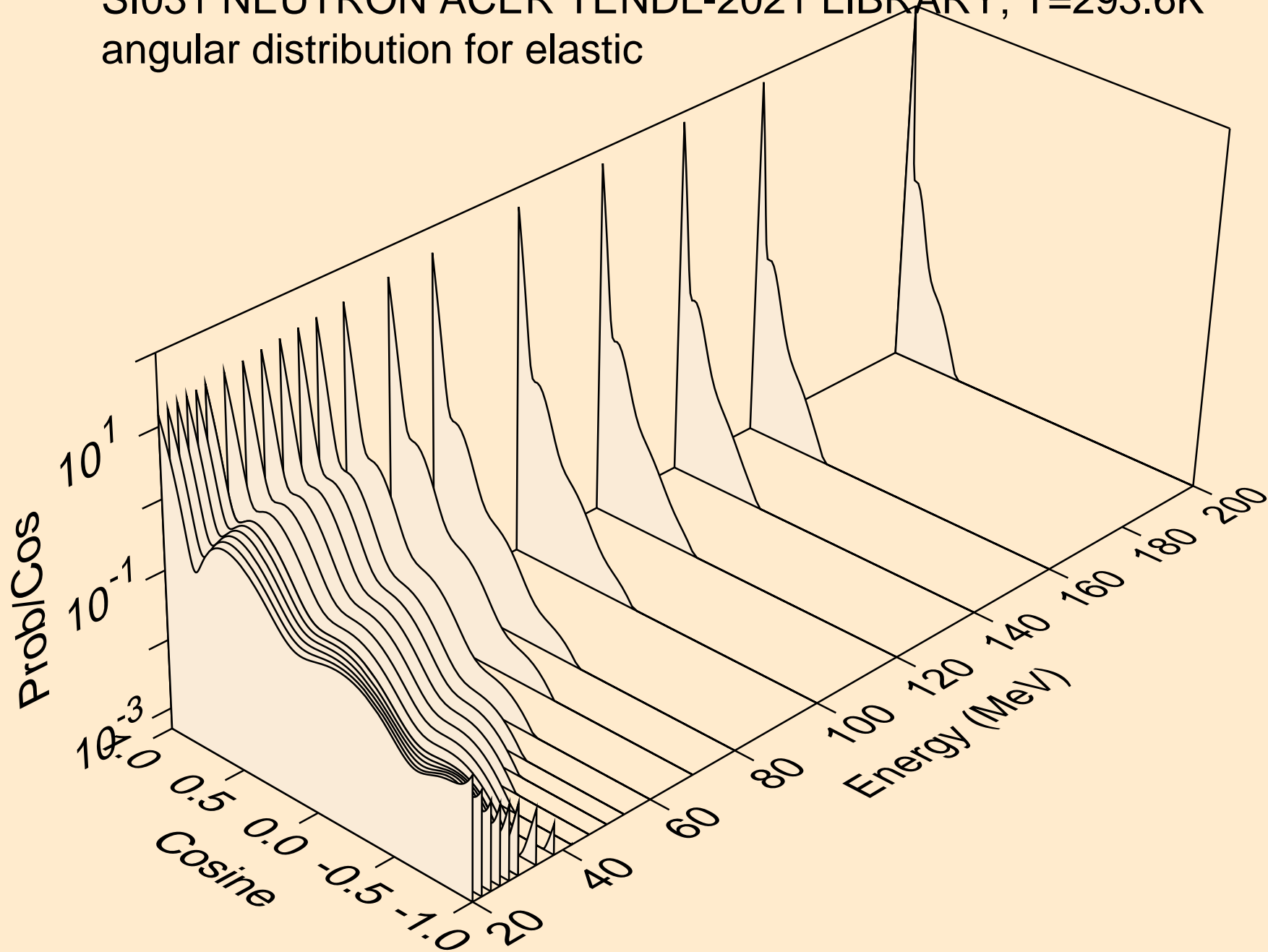
SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



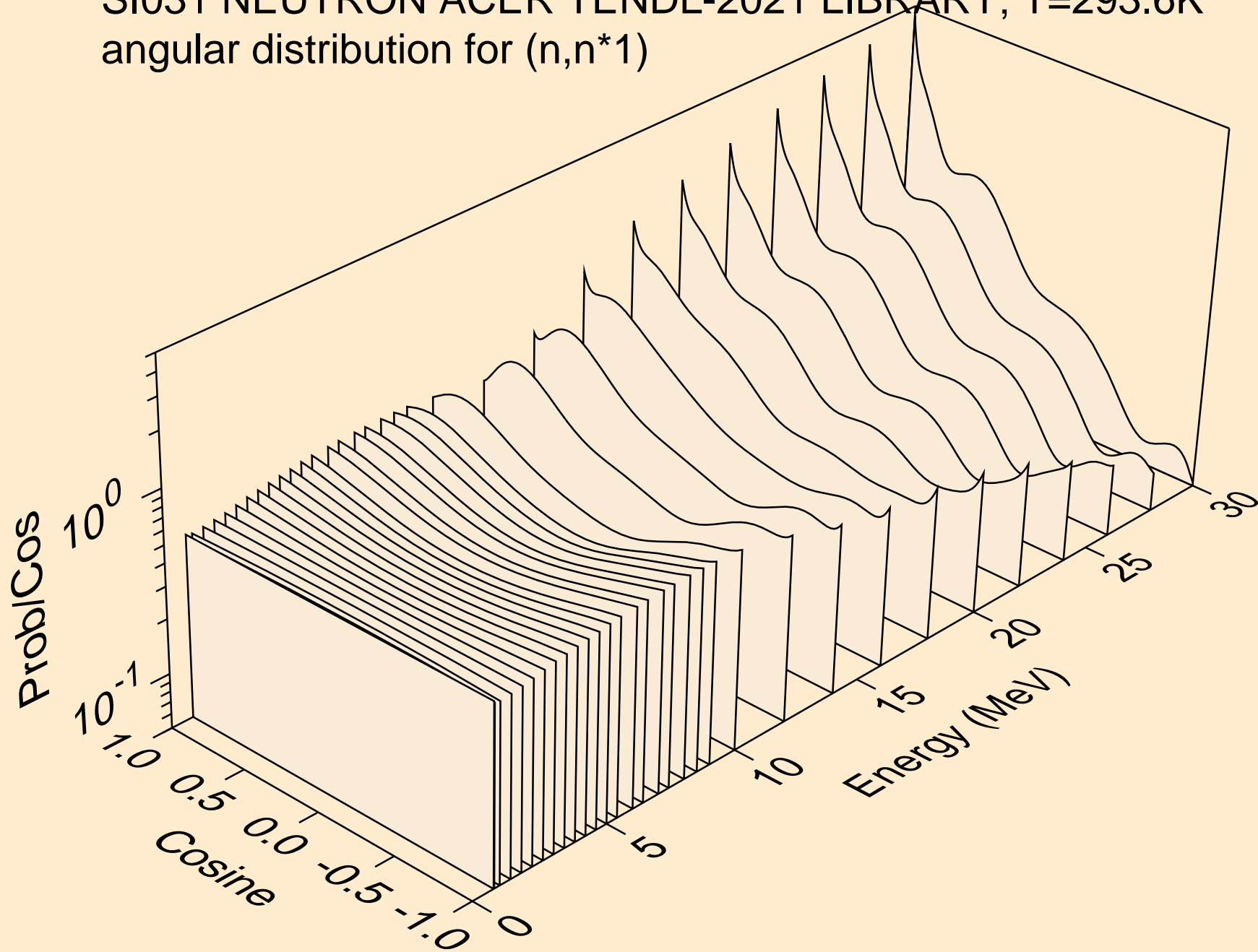
SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for elastic



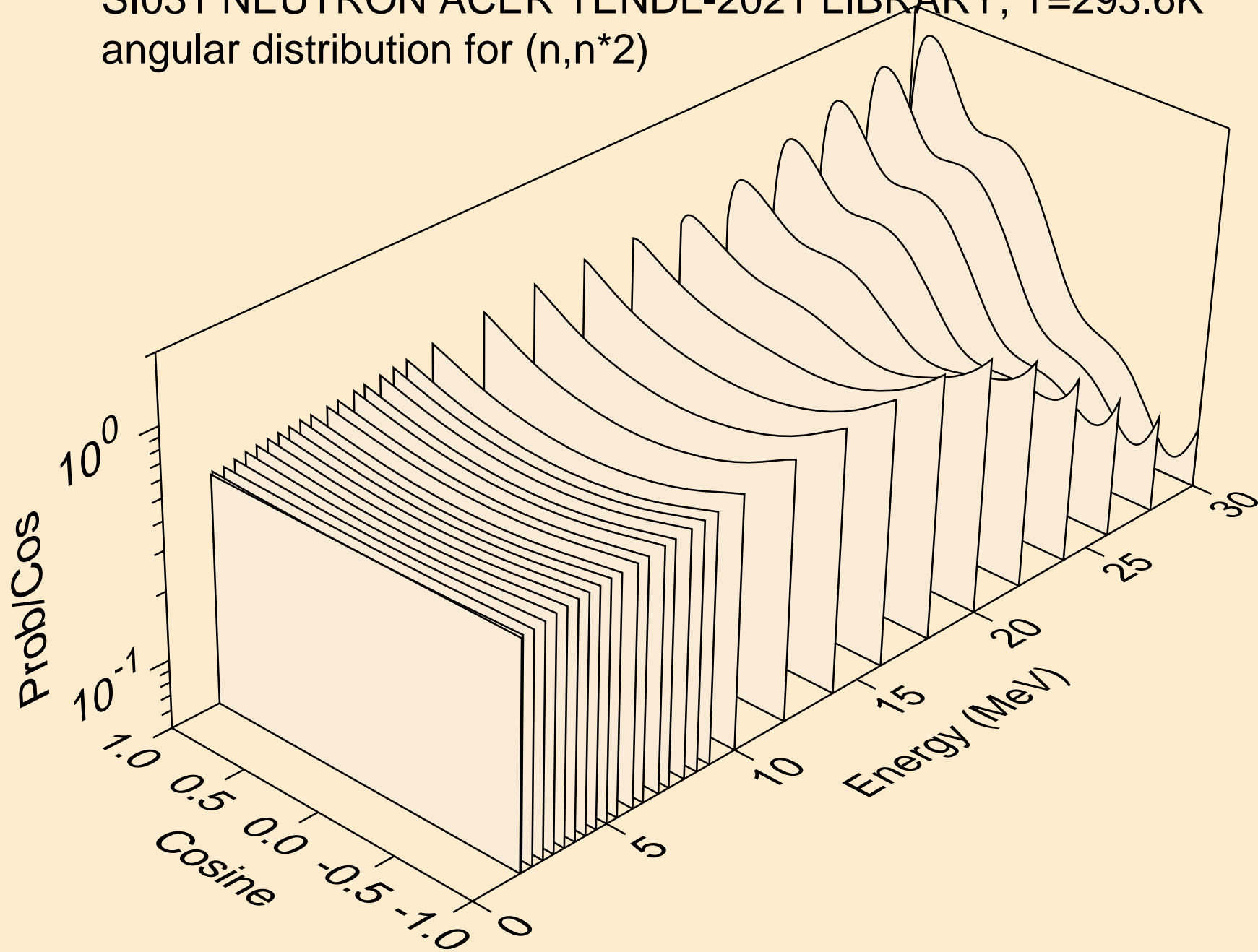
SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for elastic



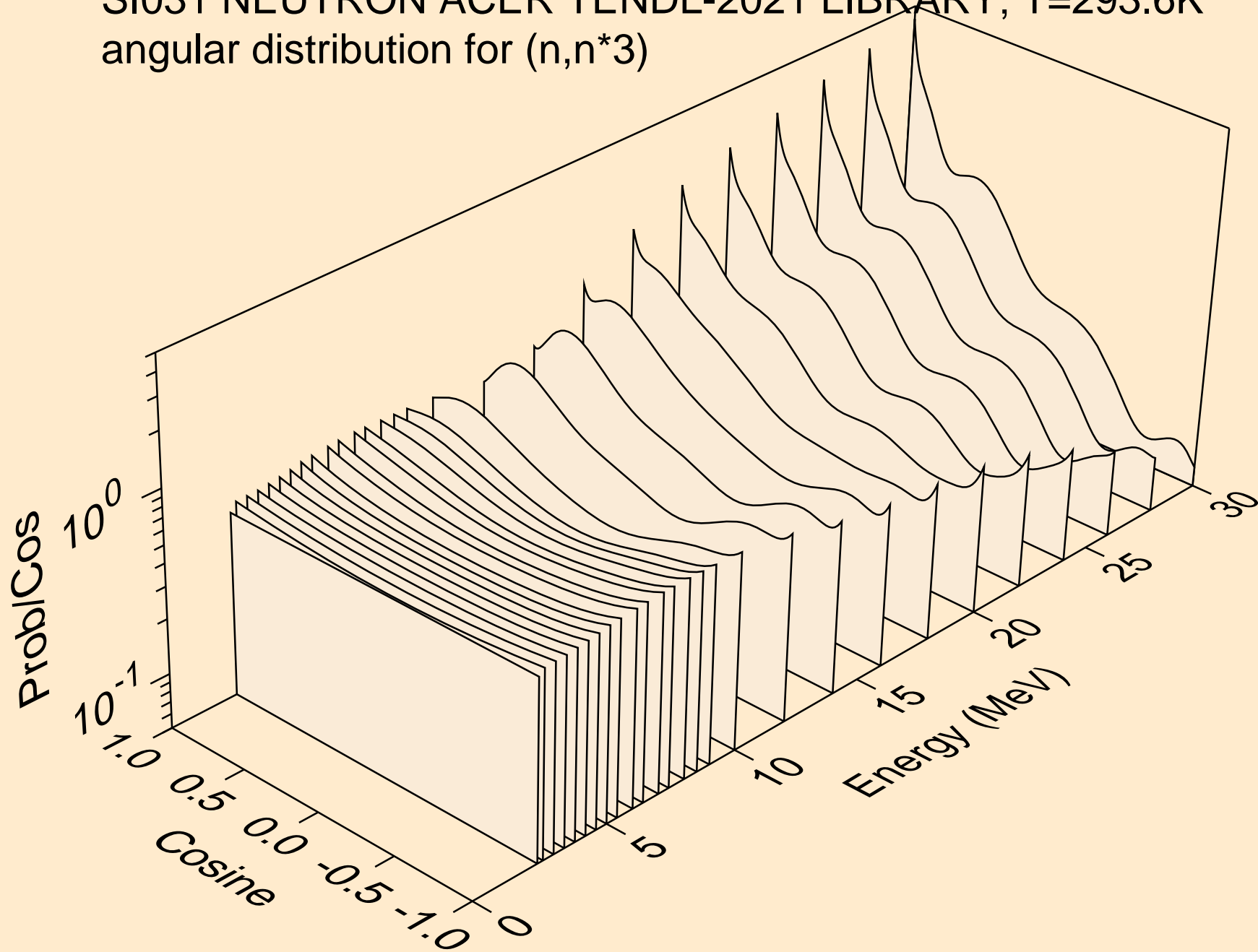
SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*1)



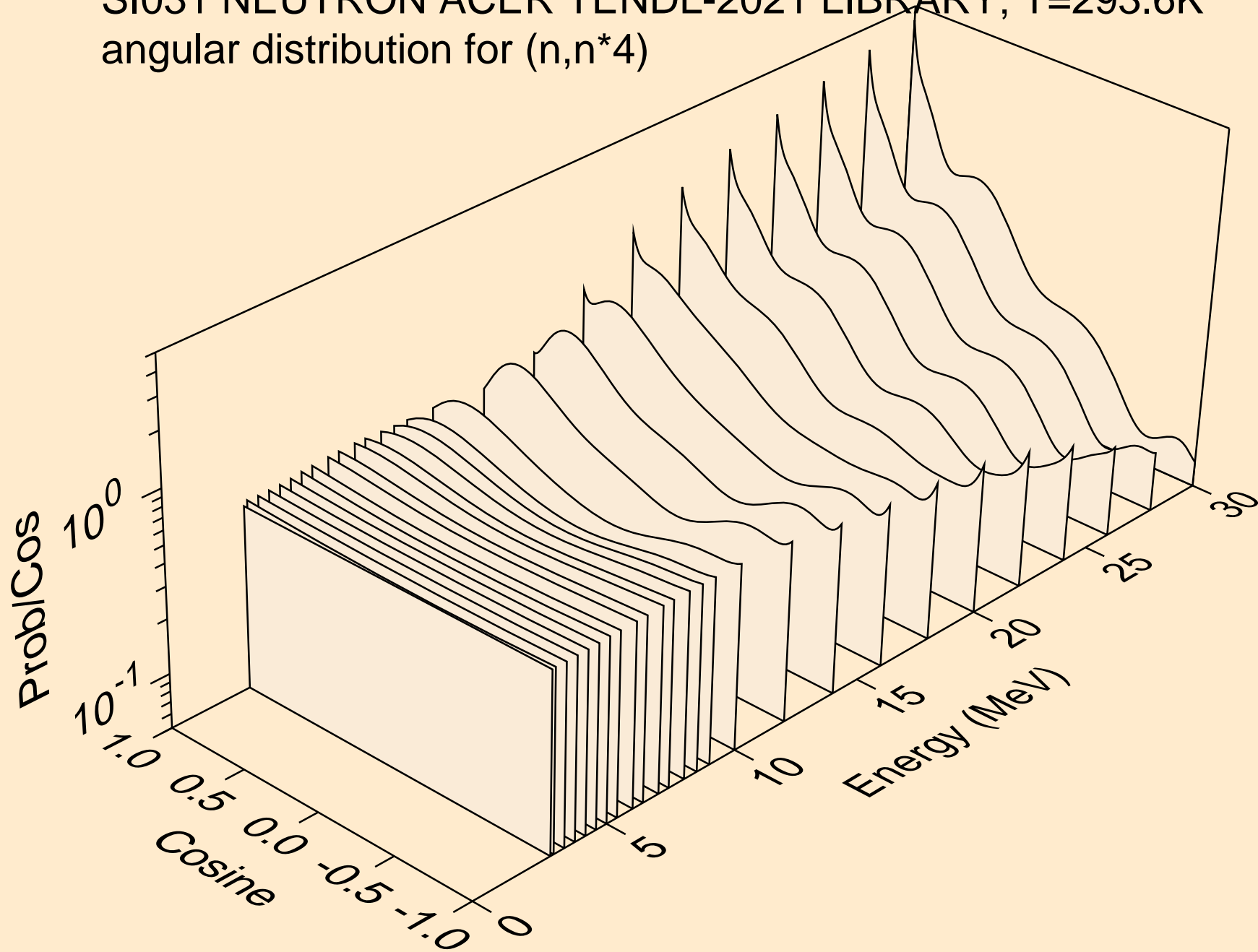
SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*2)



SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*3)

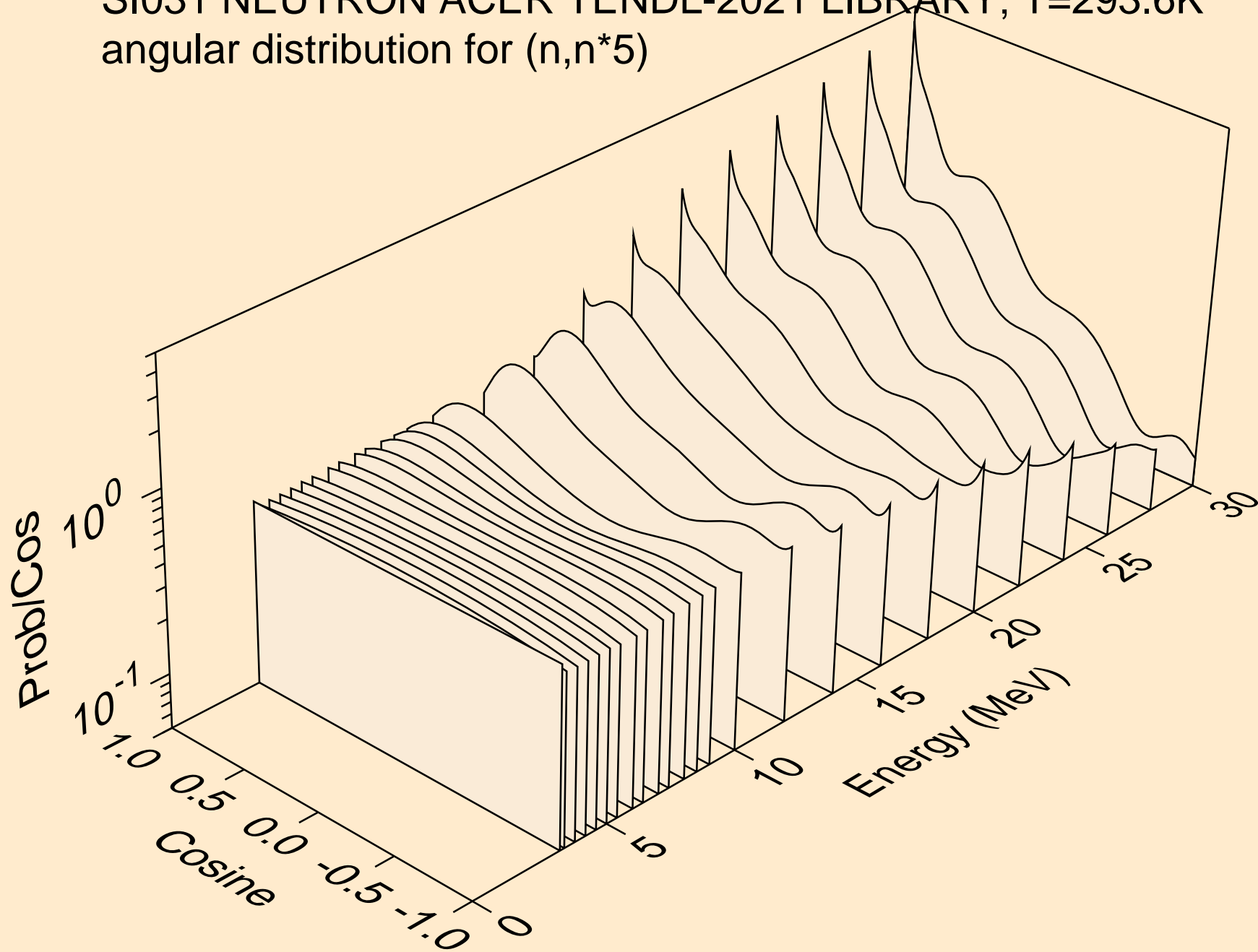


SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*4)

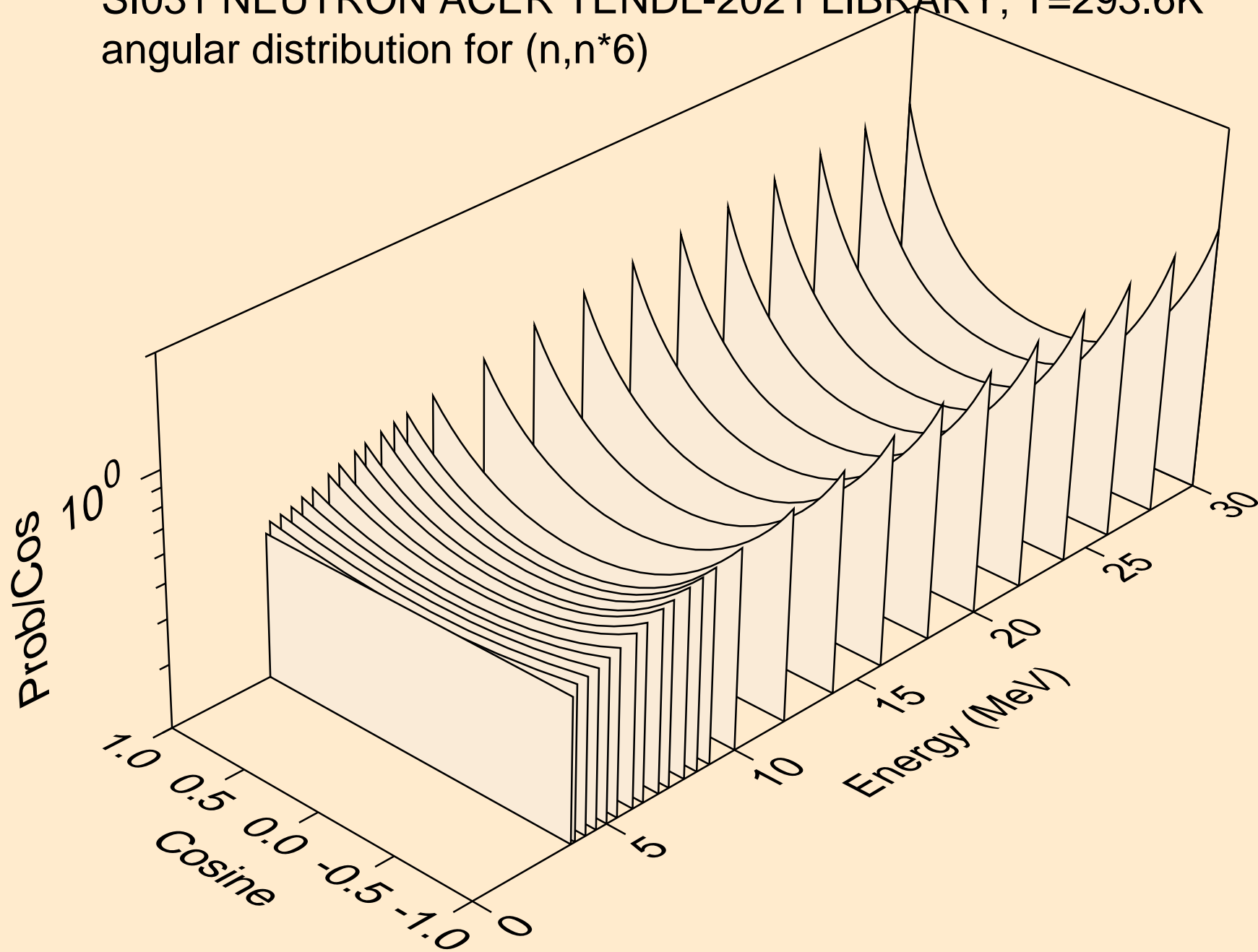




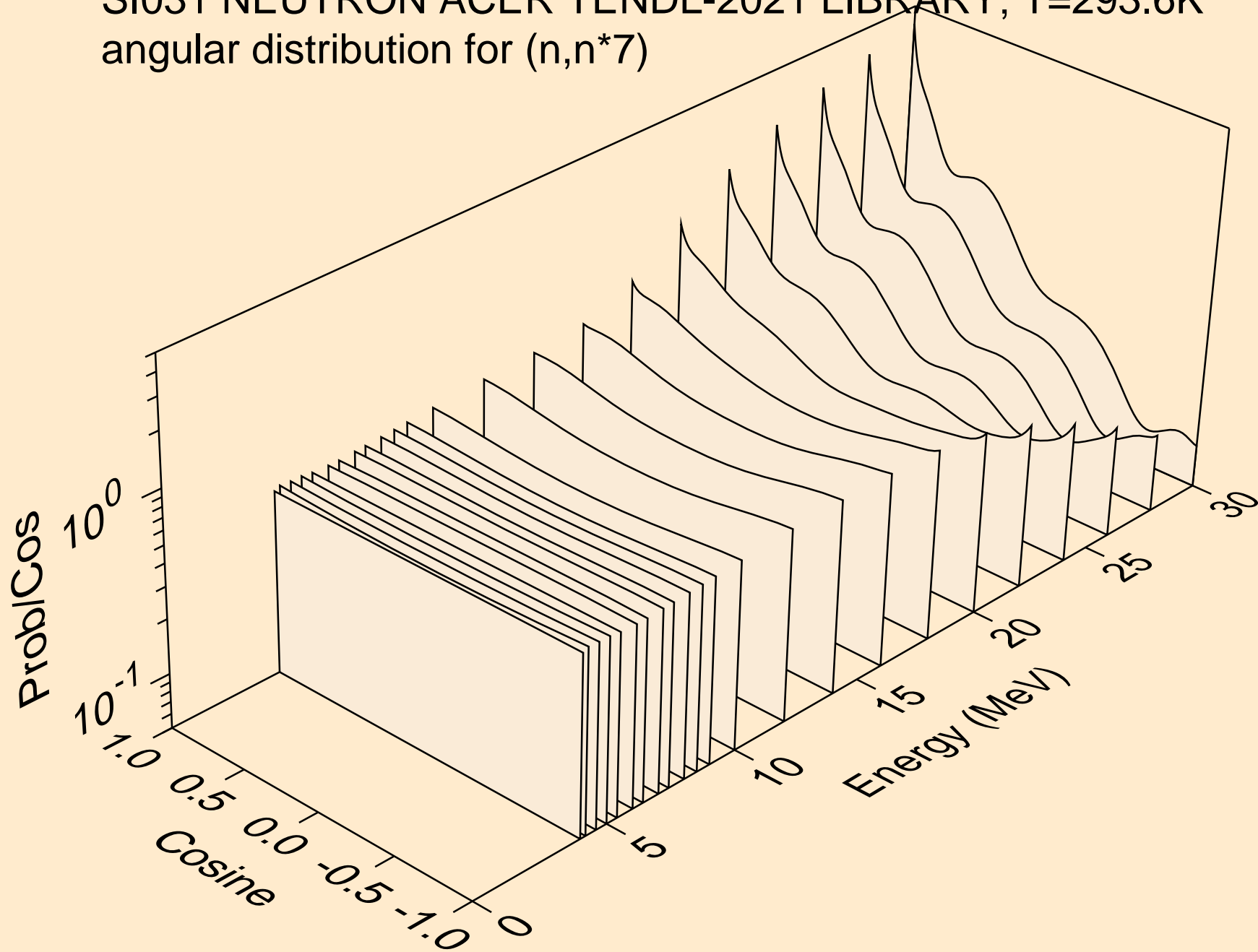
SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*5)



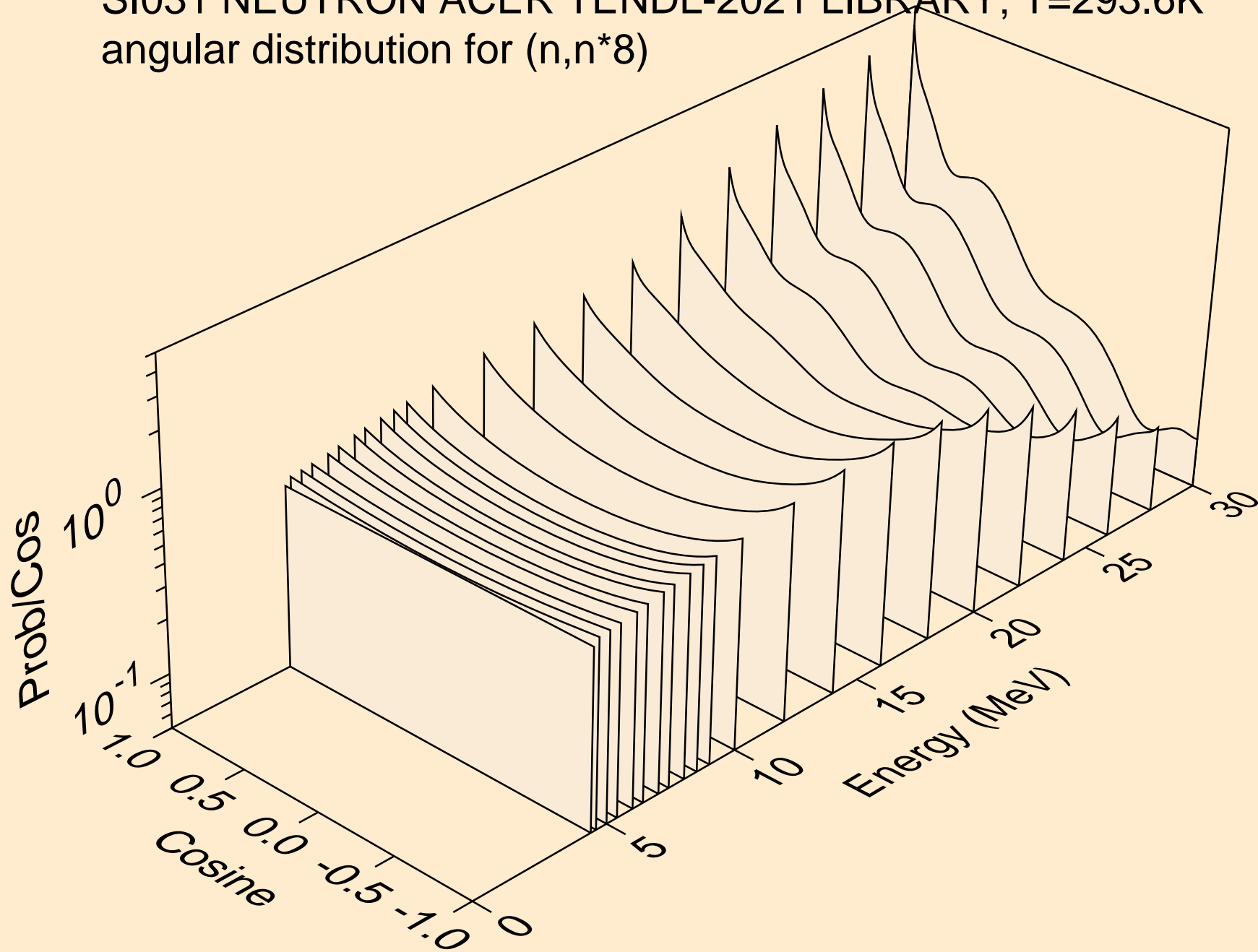
SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*6)



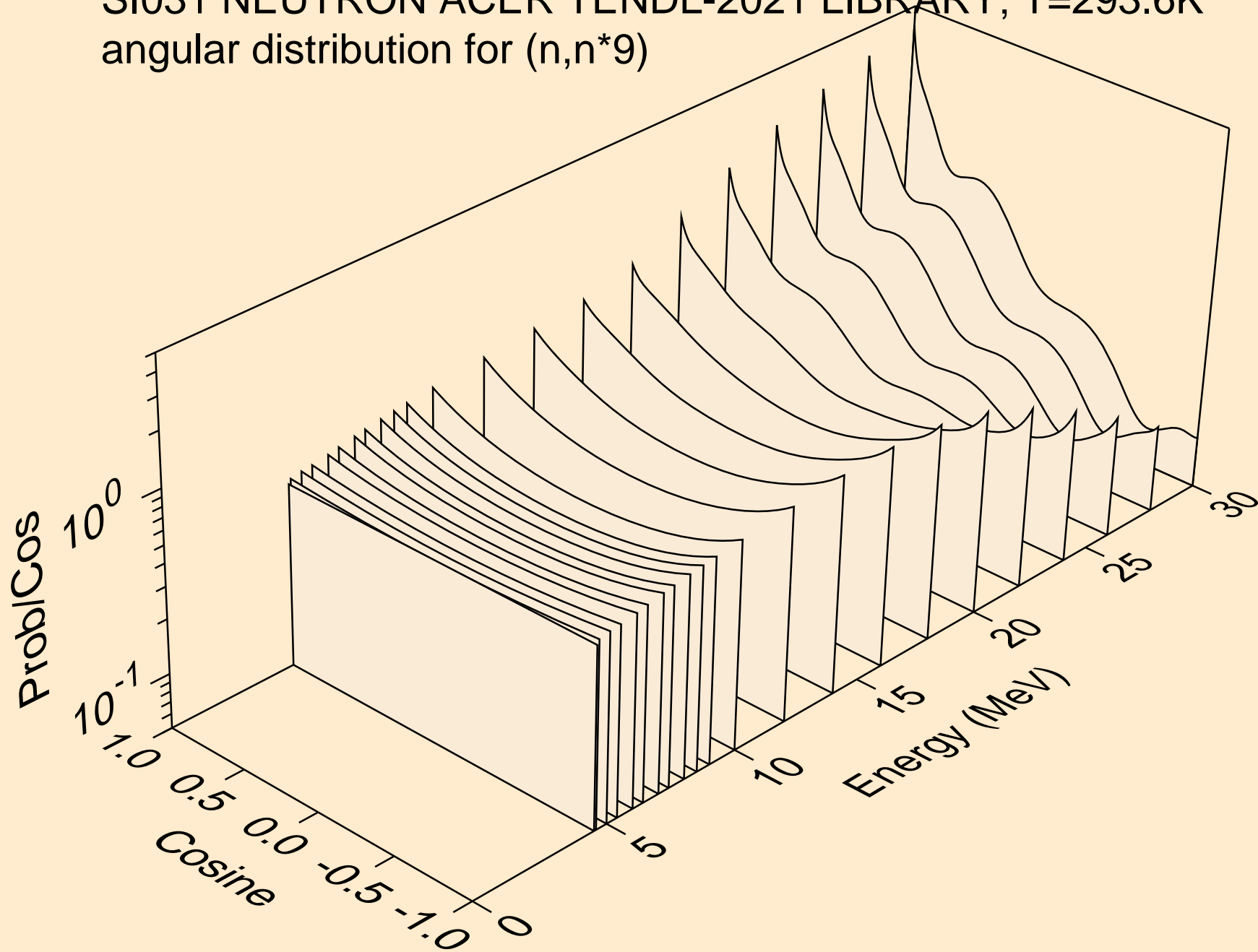
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angular distribution for (n,n\*7)



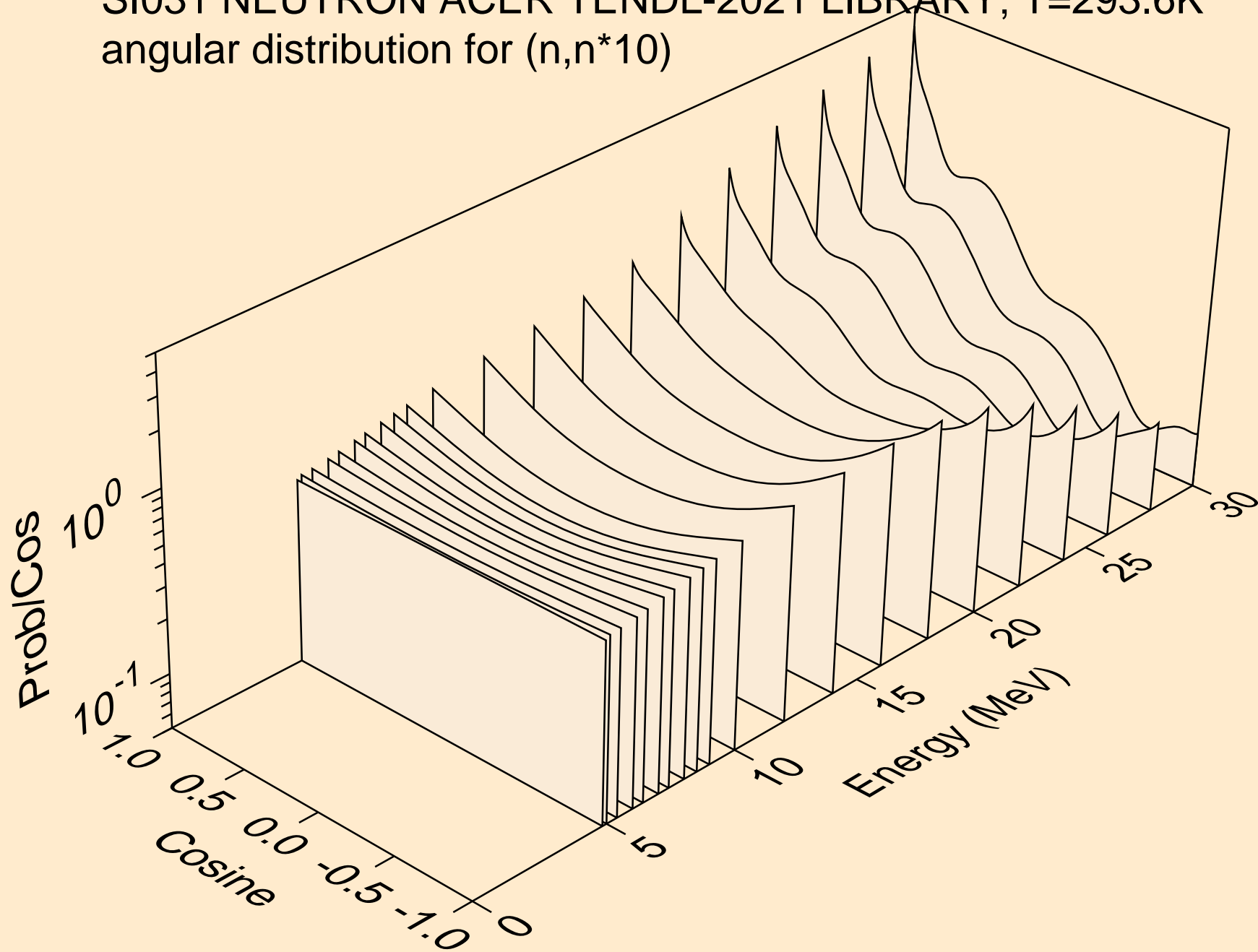
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angular distribution for (n,n\*8)



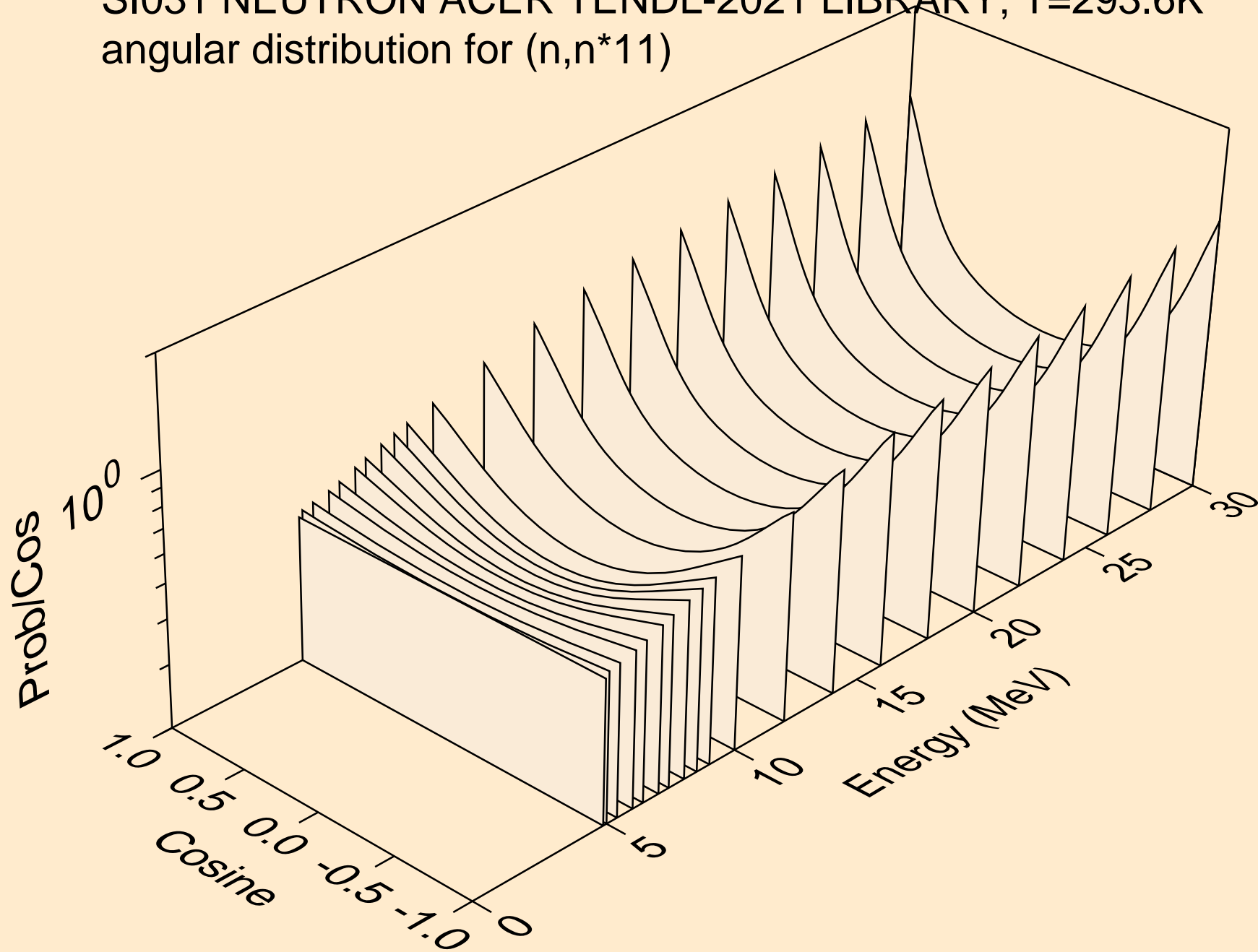
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angular distribution for (n,n\*9)



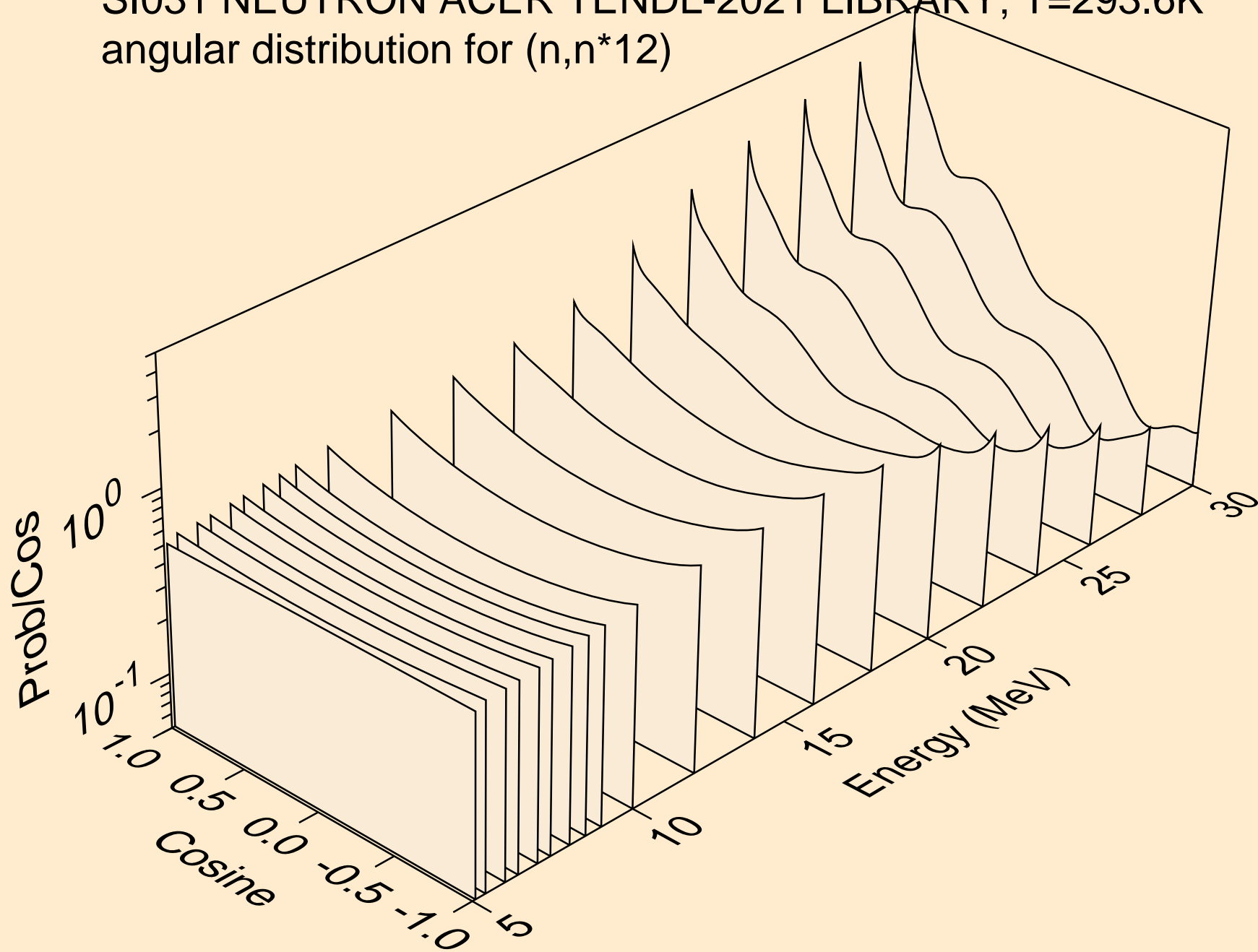
SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*10)



SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*11)

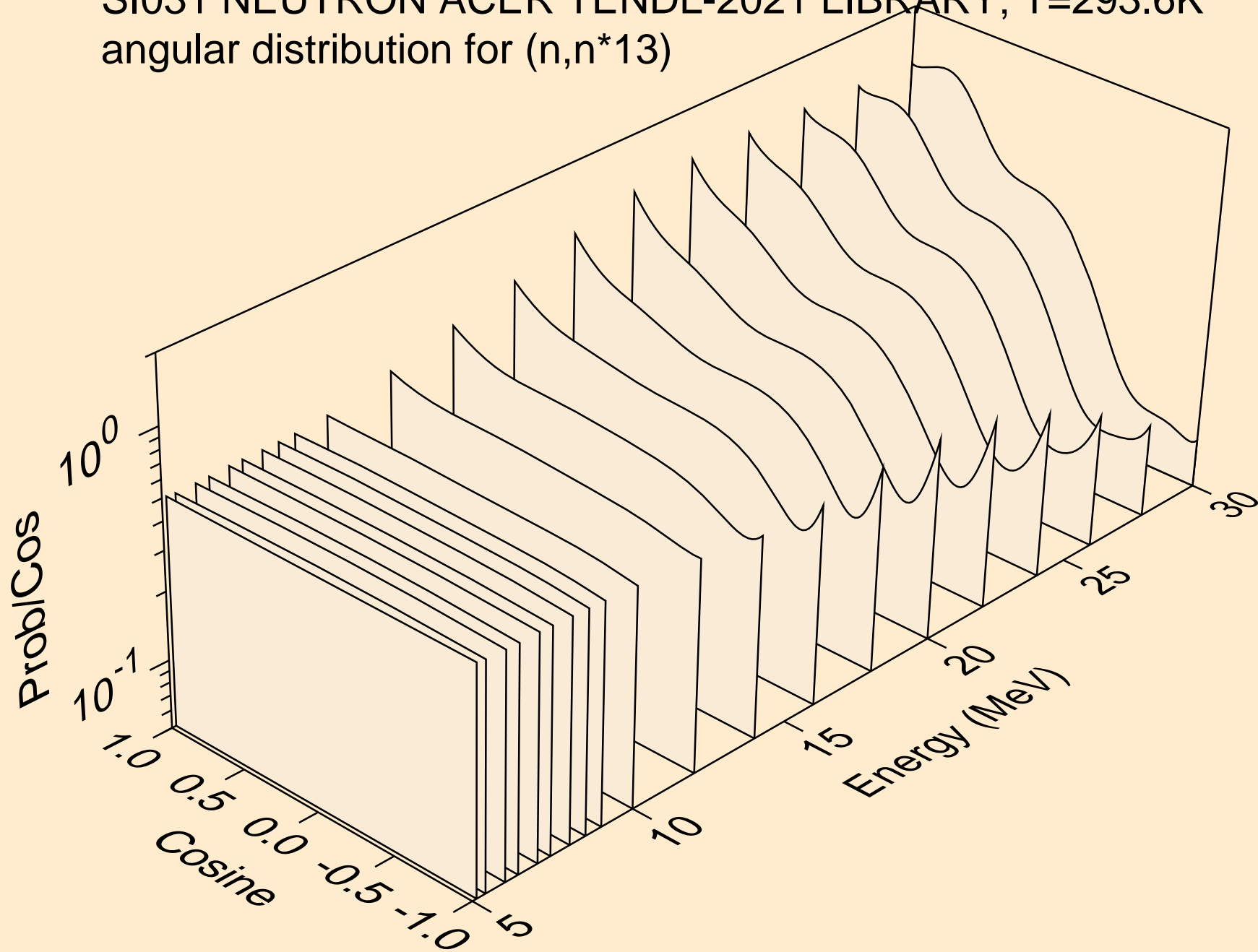


SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*12)

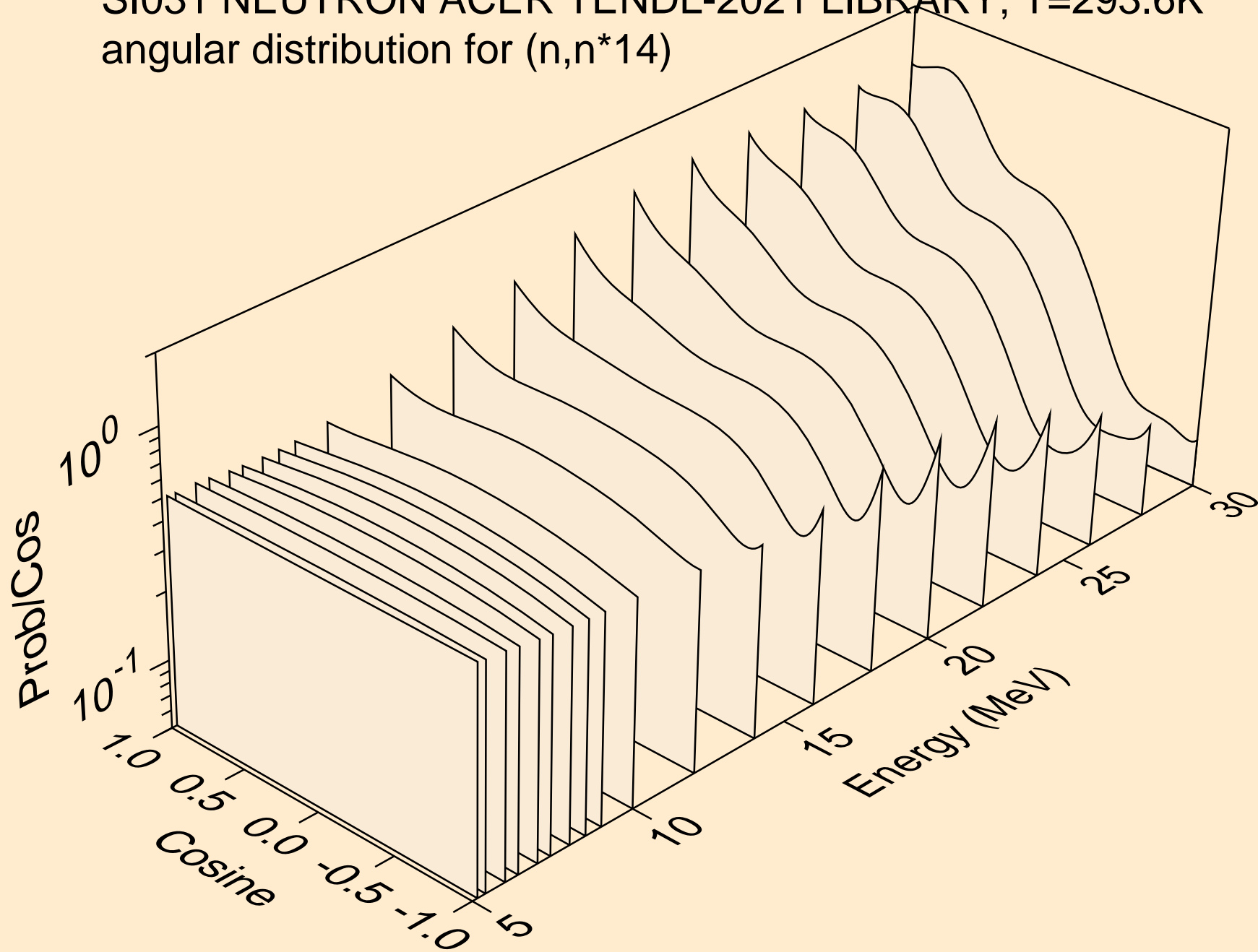




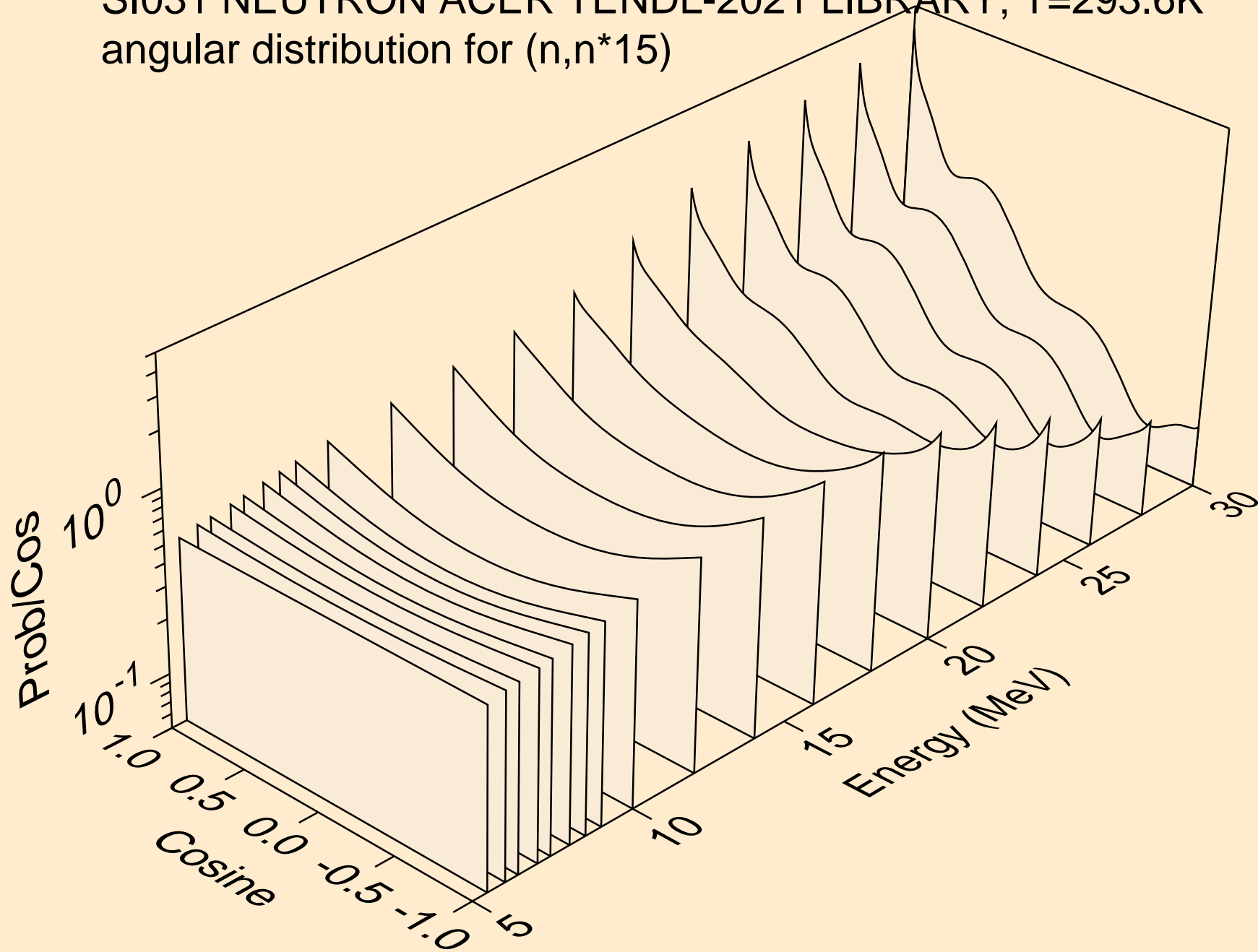
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angular distribution for (n,n\*13)



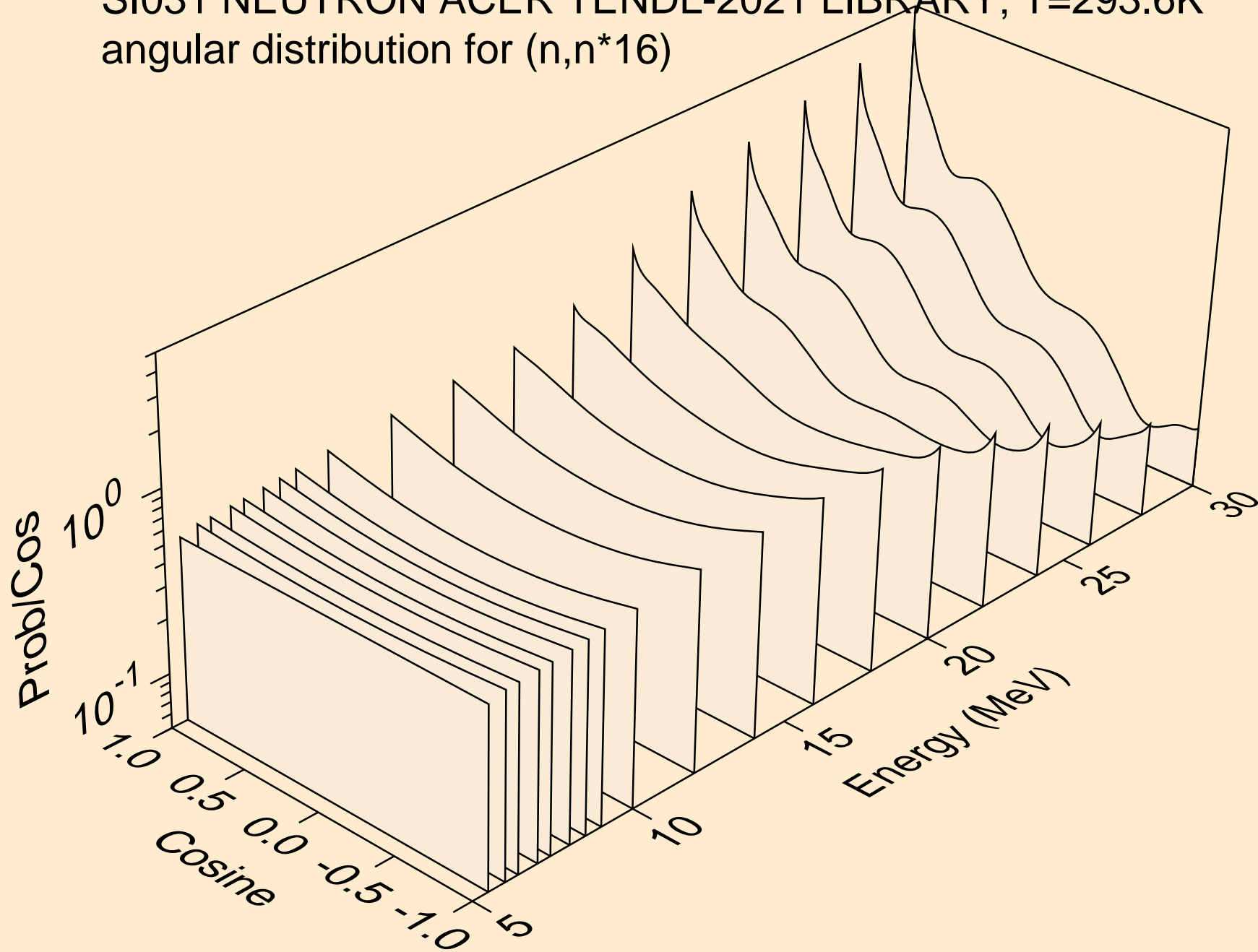
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angular distribution for (n,n\*14)



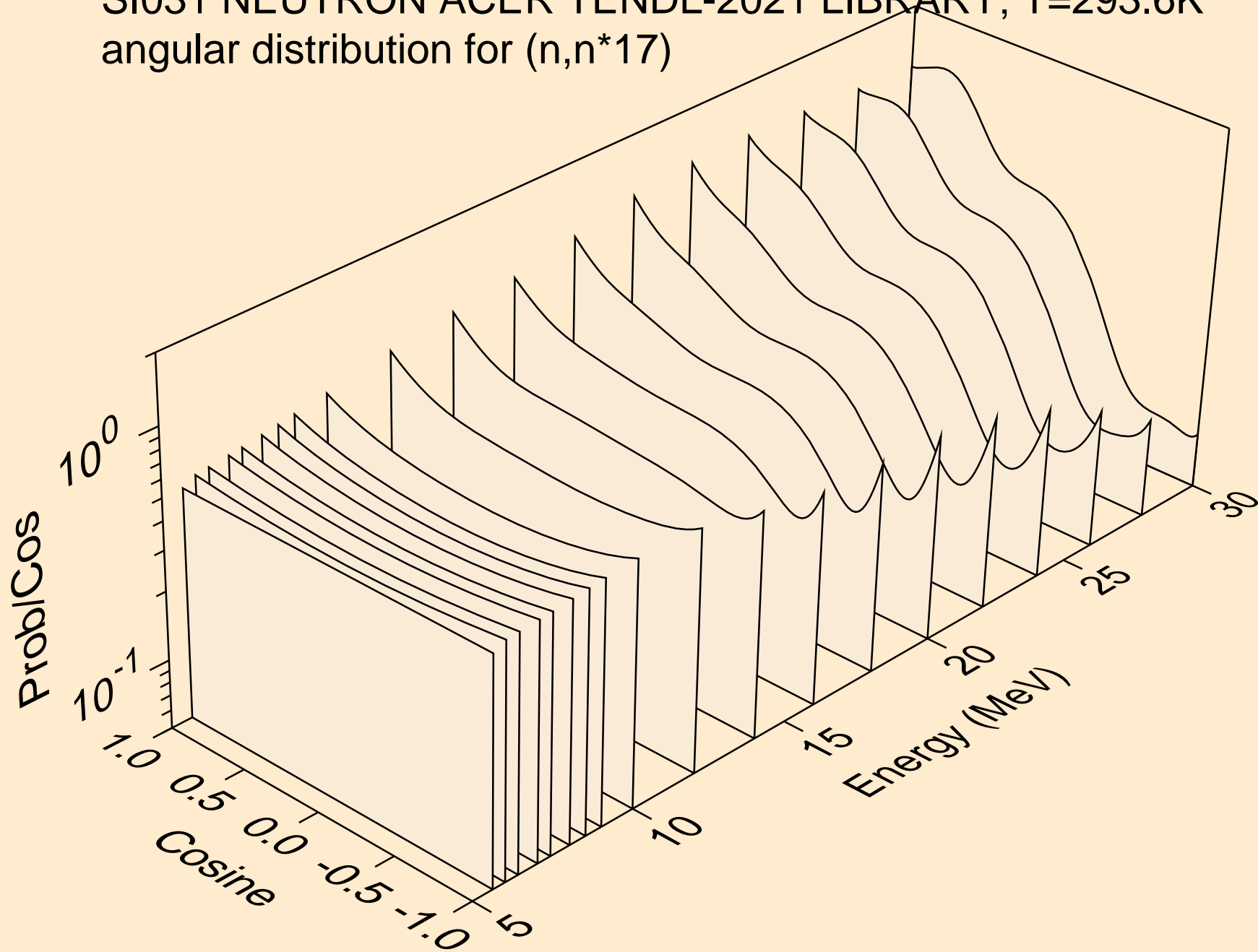
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angular distribution for (n,n\*15)



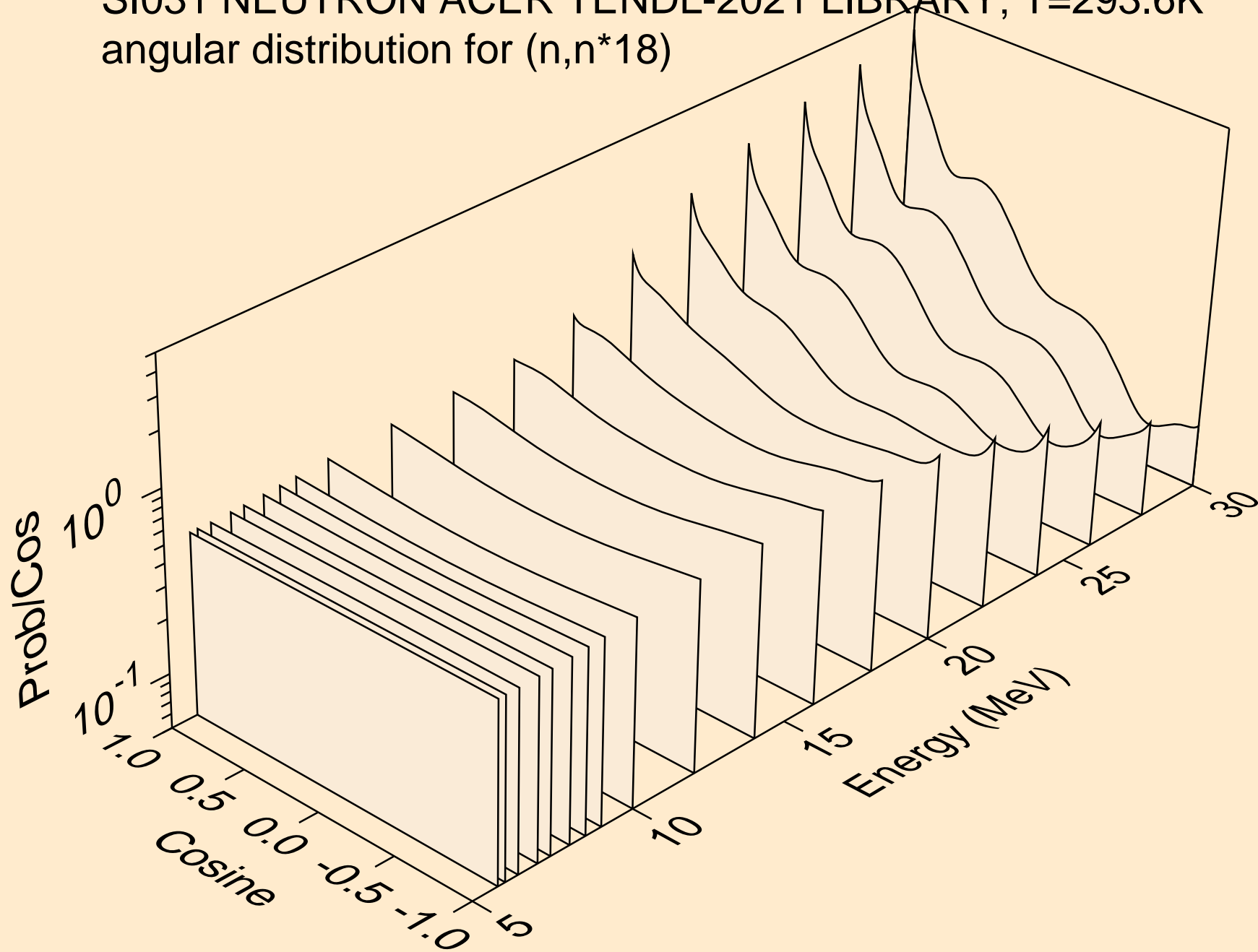
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angular distribution for (n,n\*16)



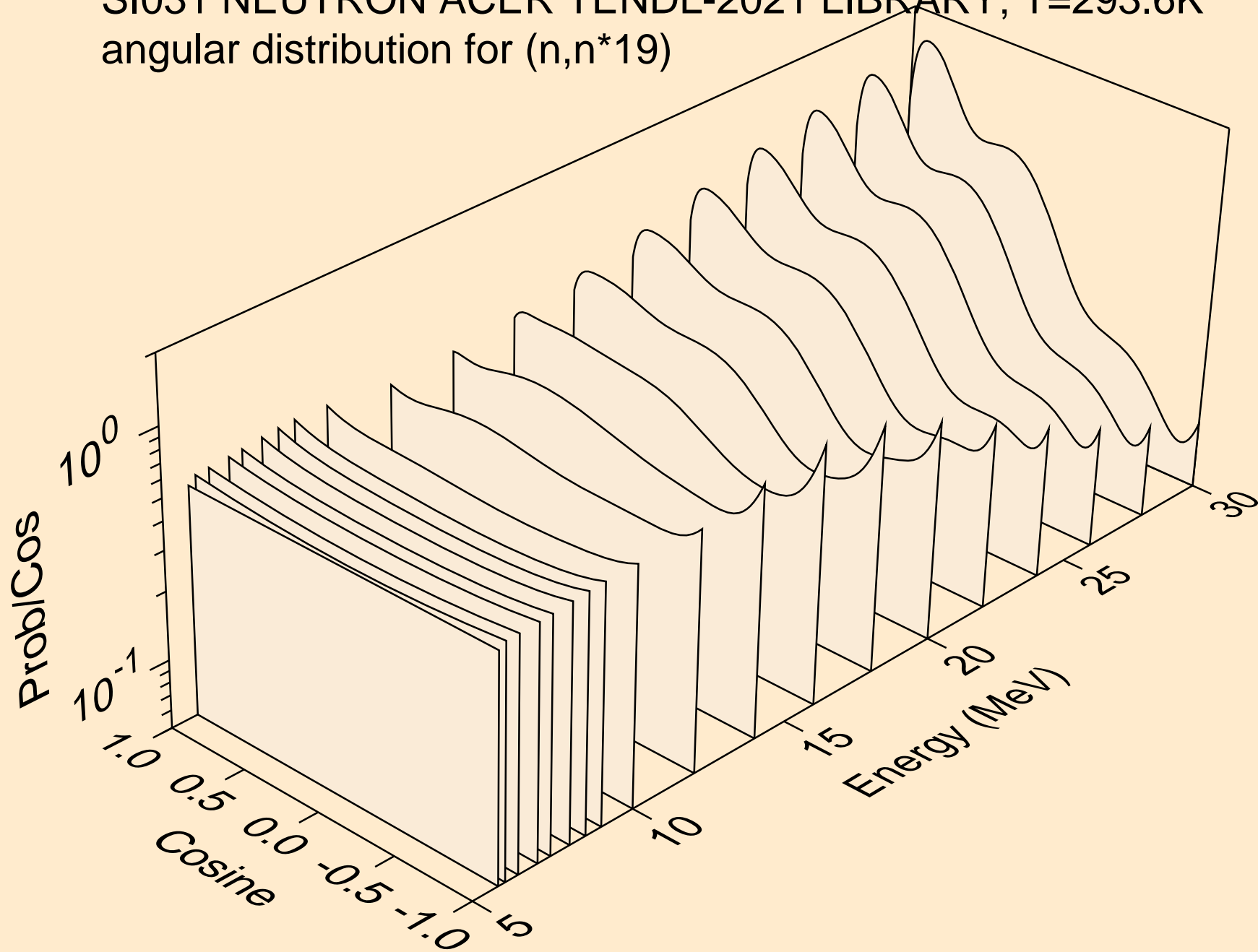
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angular distribution for (n,n\*17)



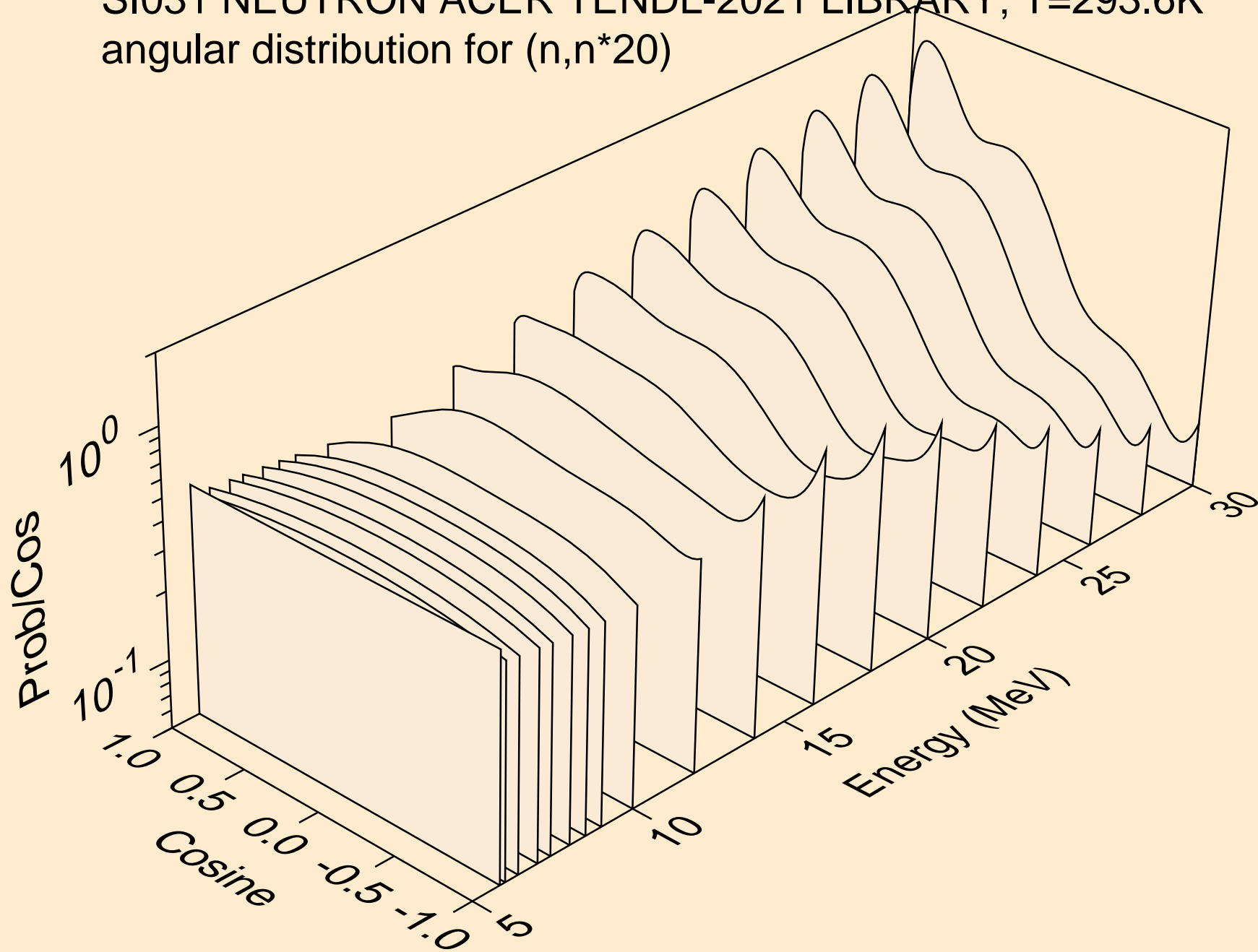
SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*18)



SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*19)

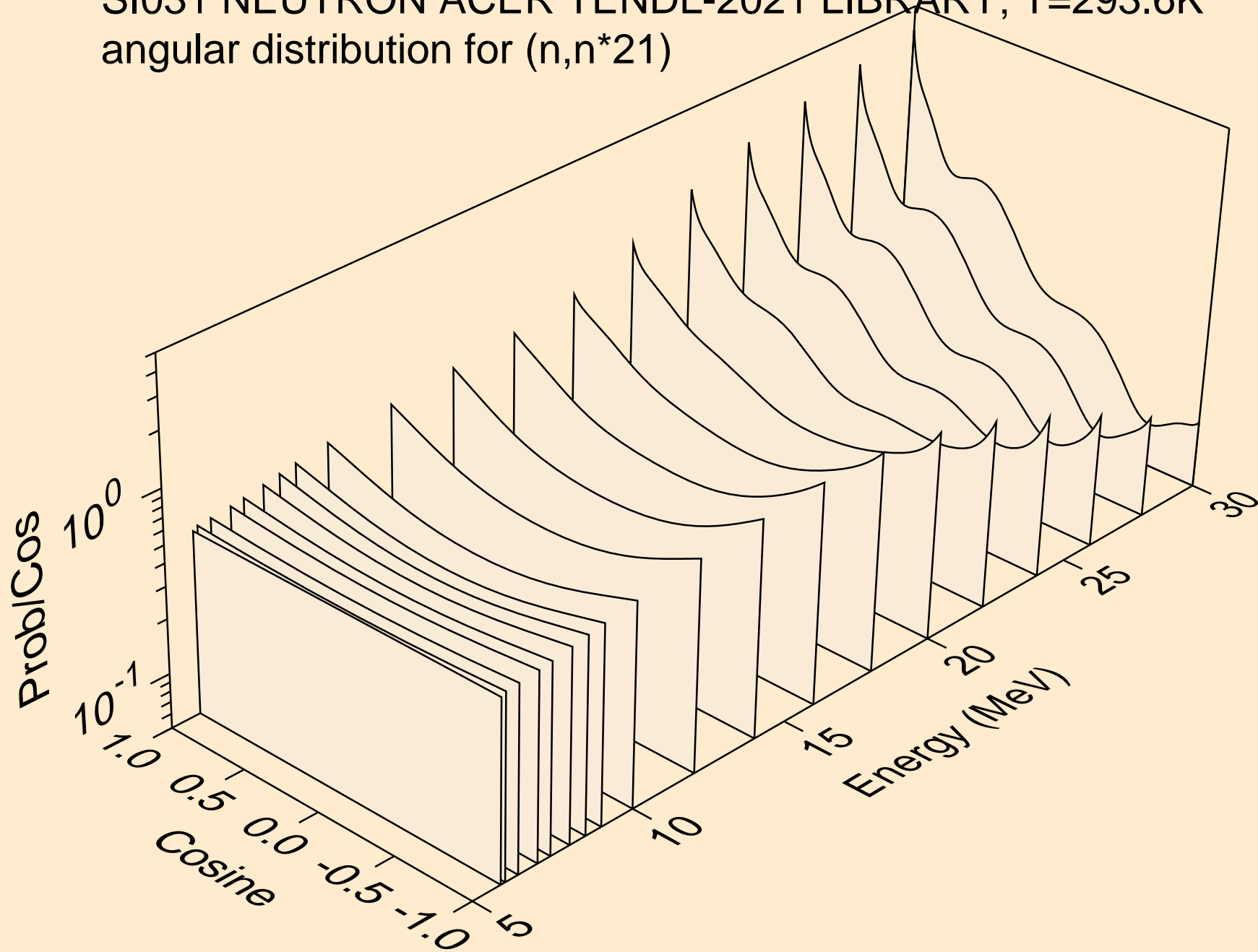


SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*20)

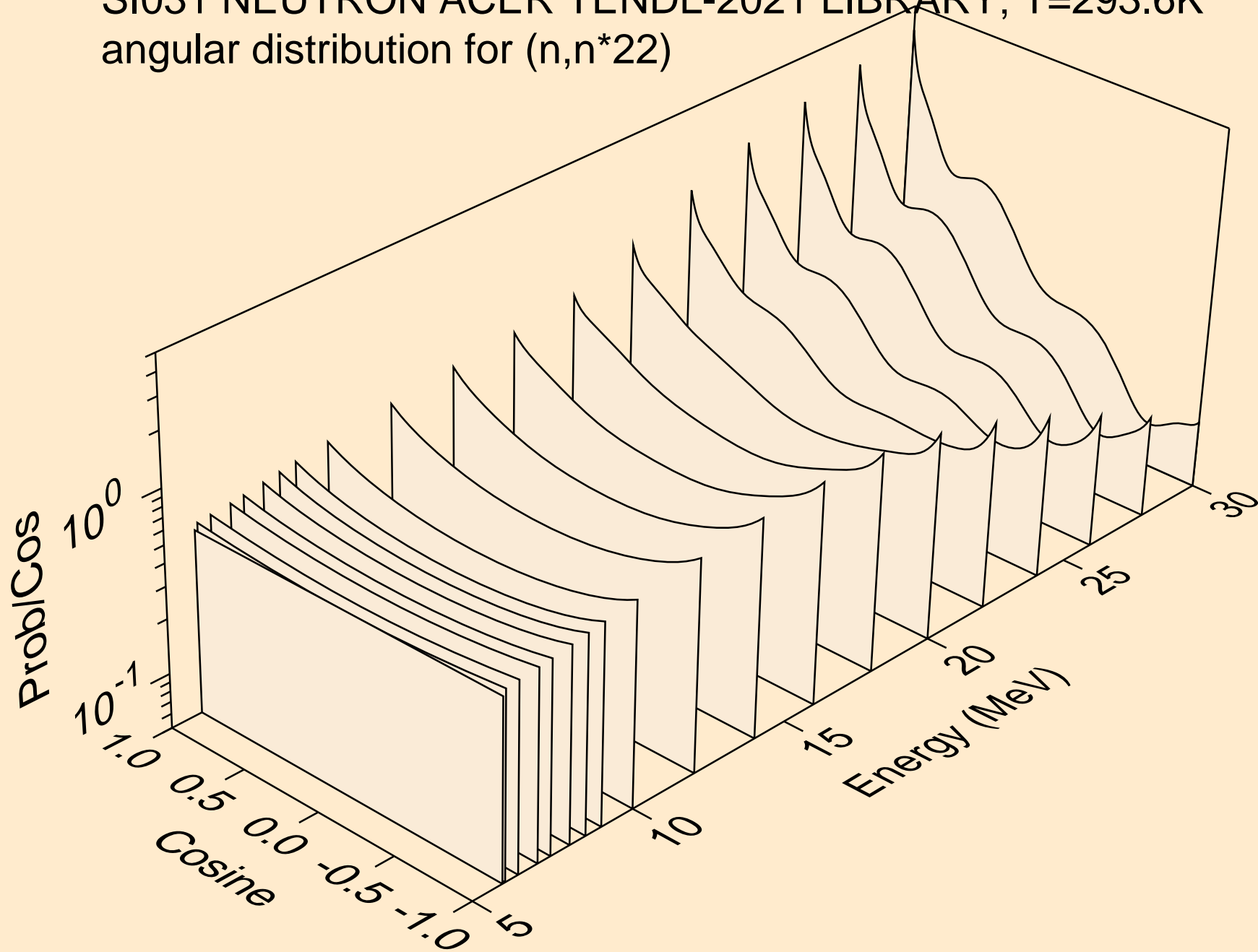




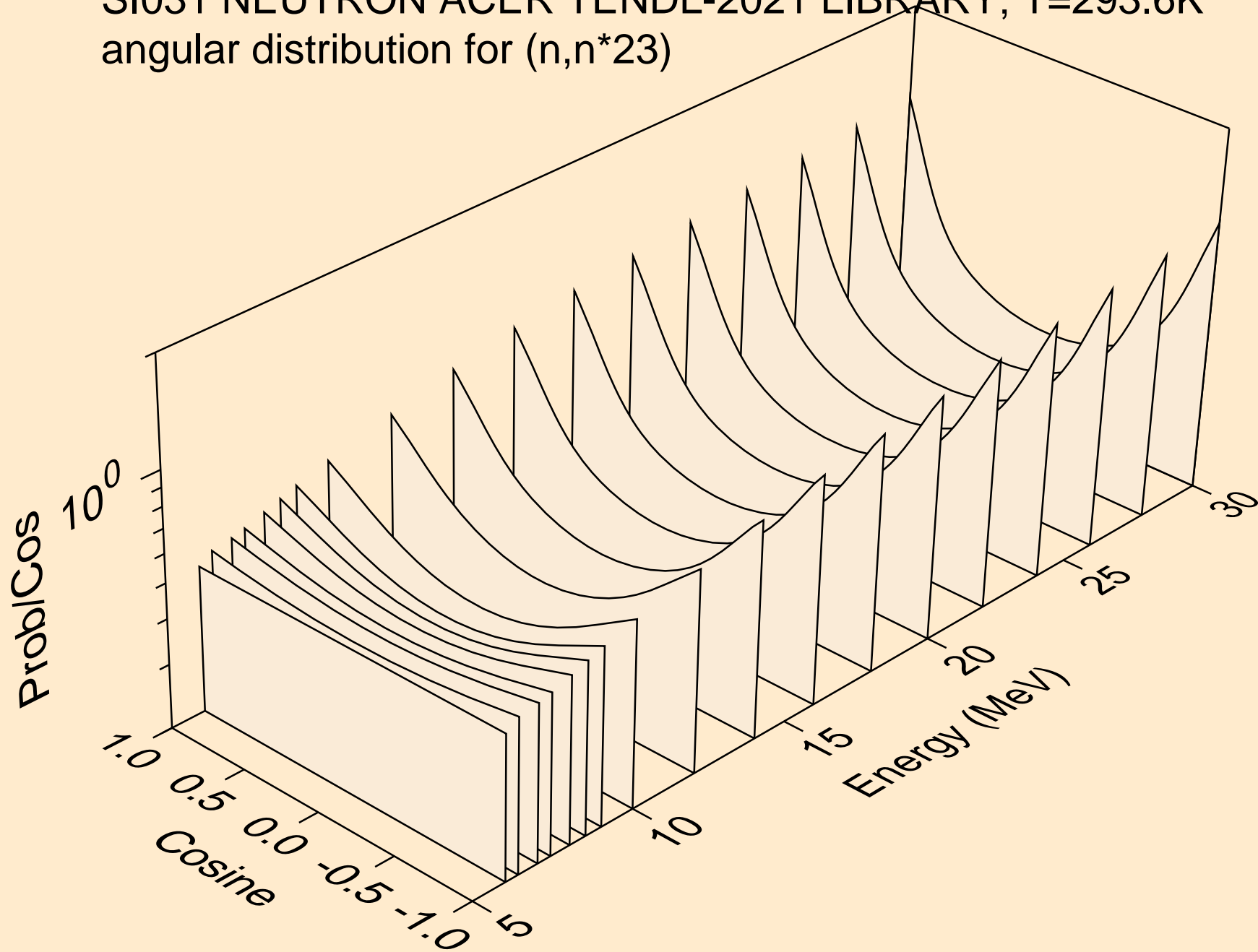
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angular distribution for (n,n\*21)



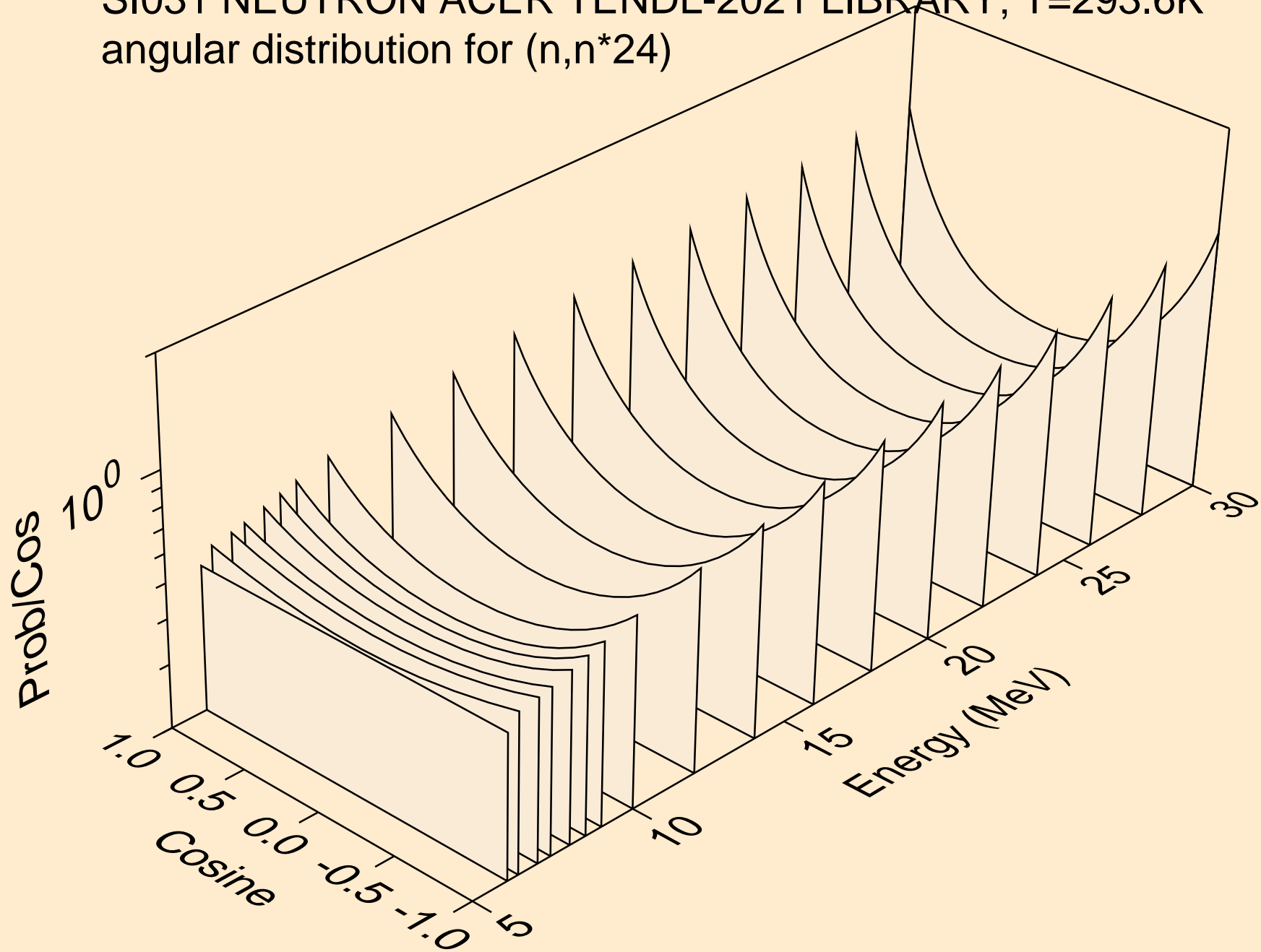
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angular distribution for (n,n\*22)



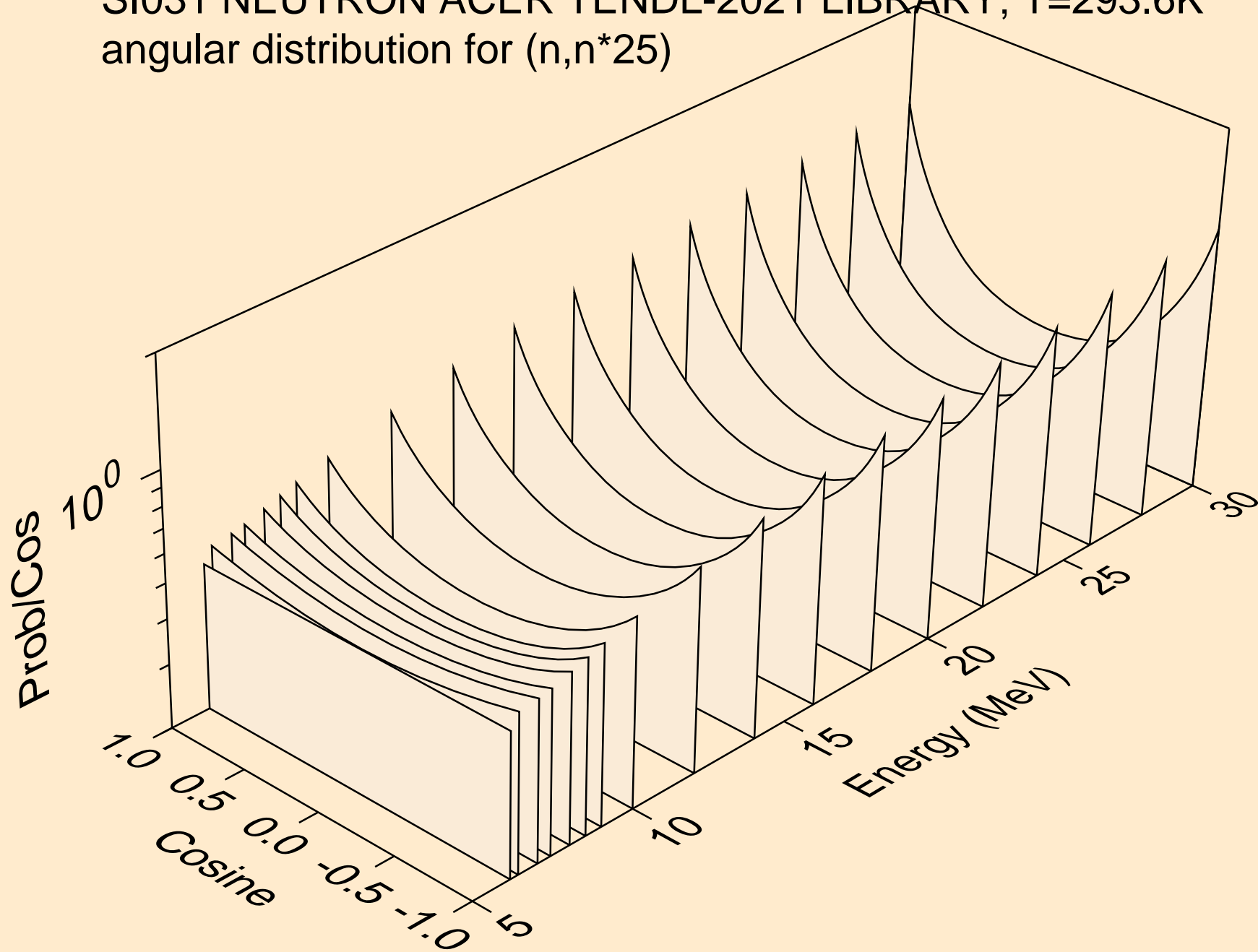
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angular distribution for (n,n\*23)



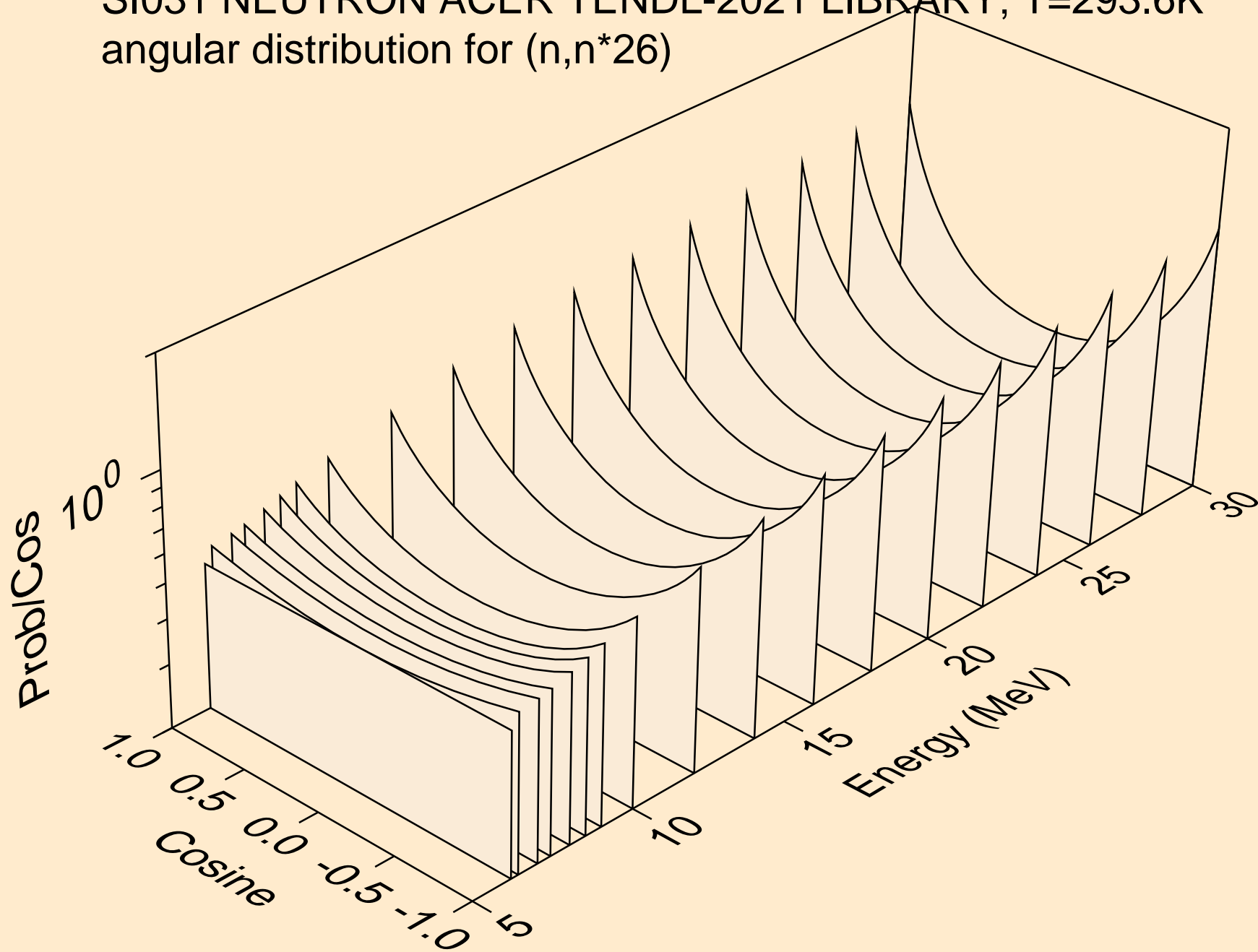
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angular distribution for (n,n\*24)



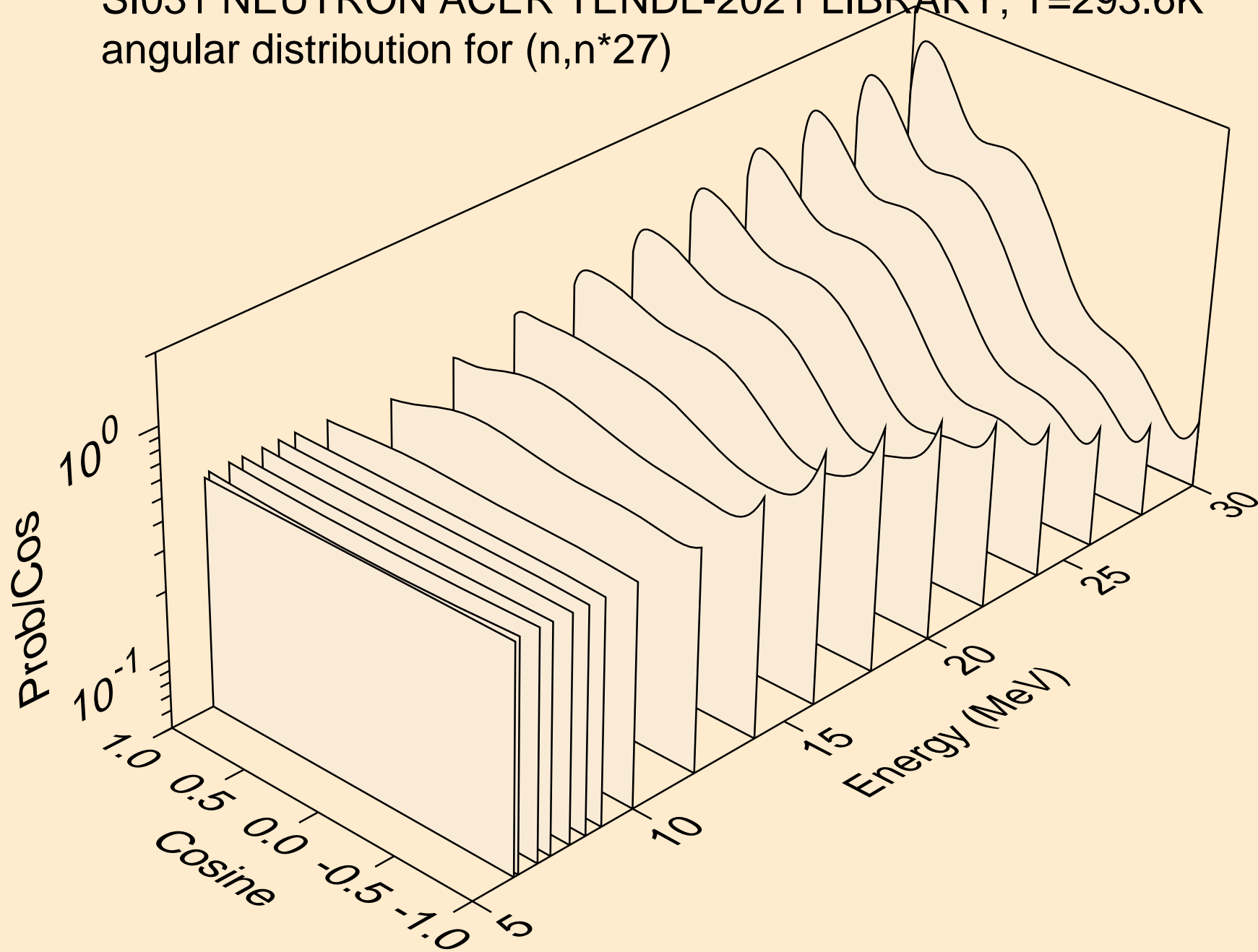
SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*25)



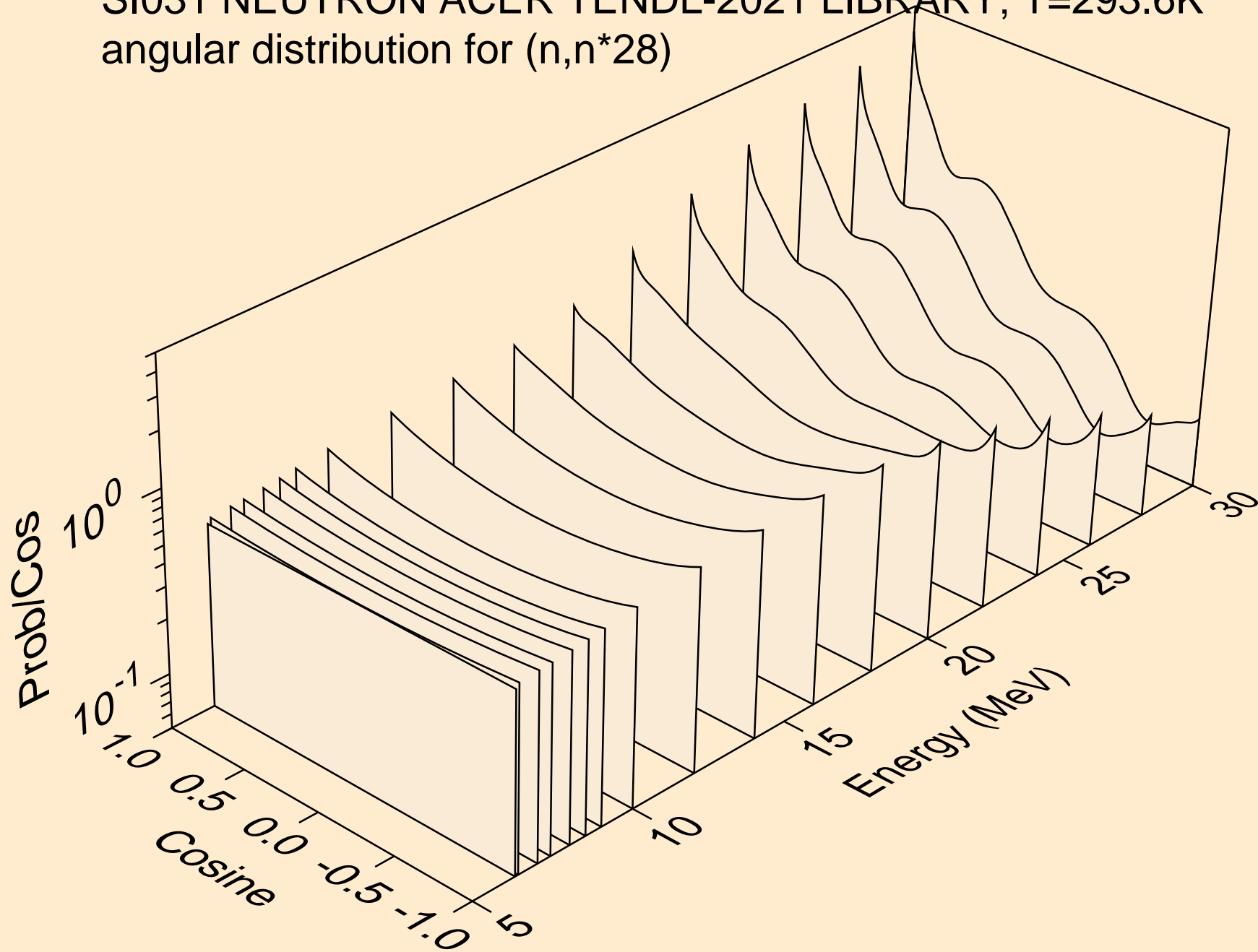
SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*26)



SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*27)

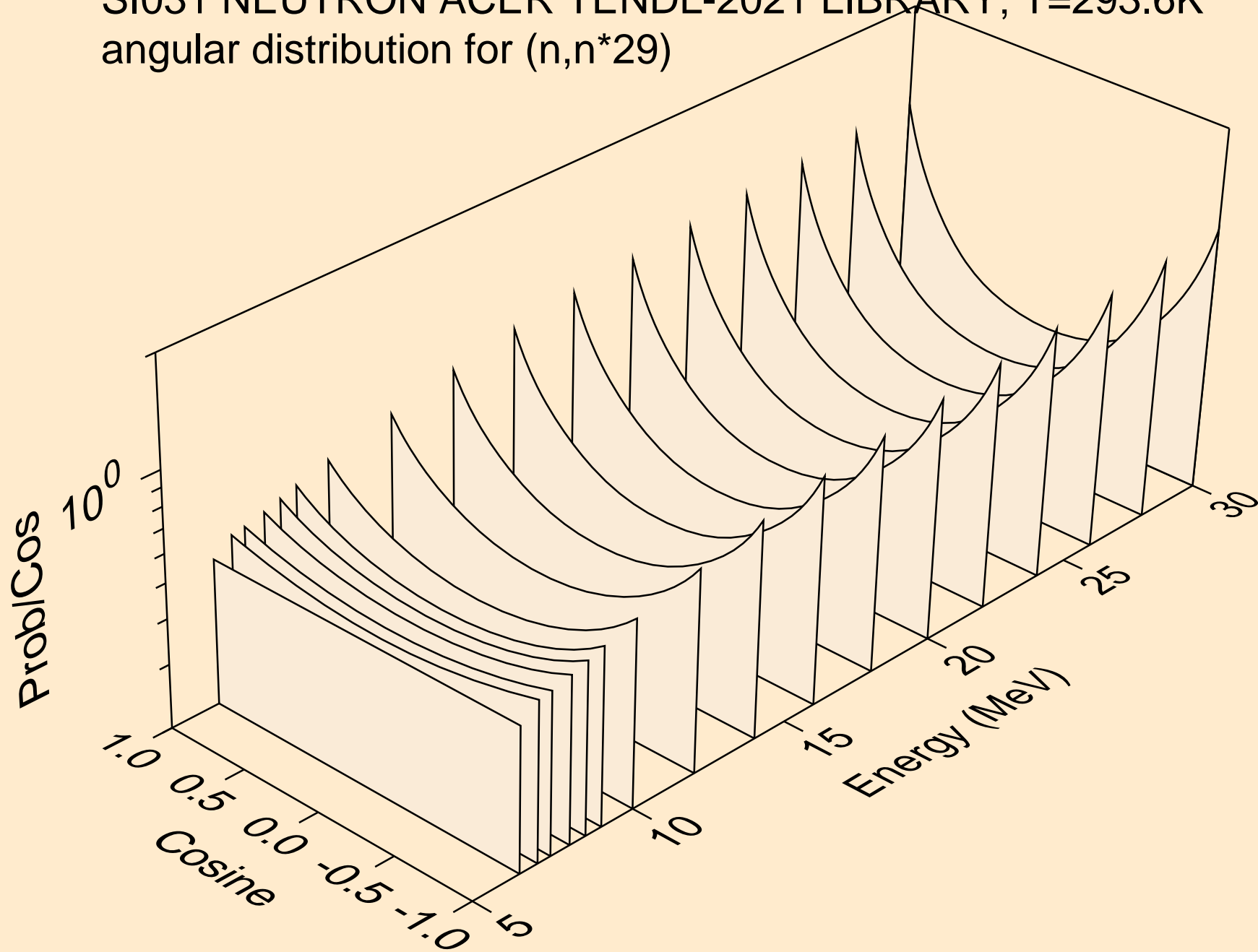


SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*28)

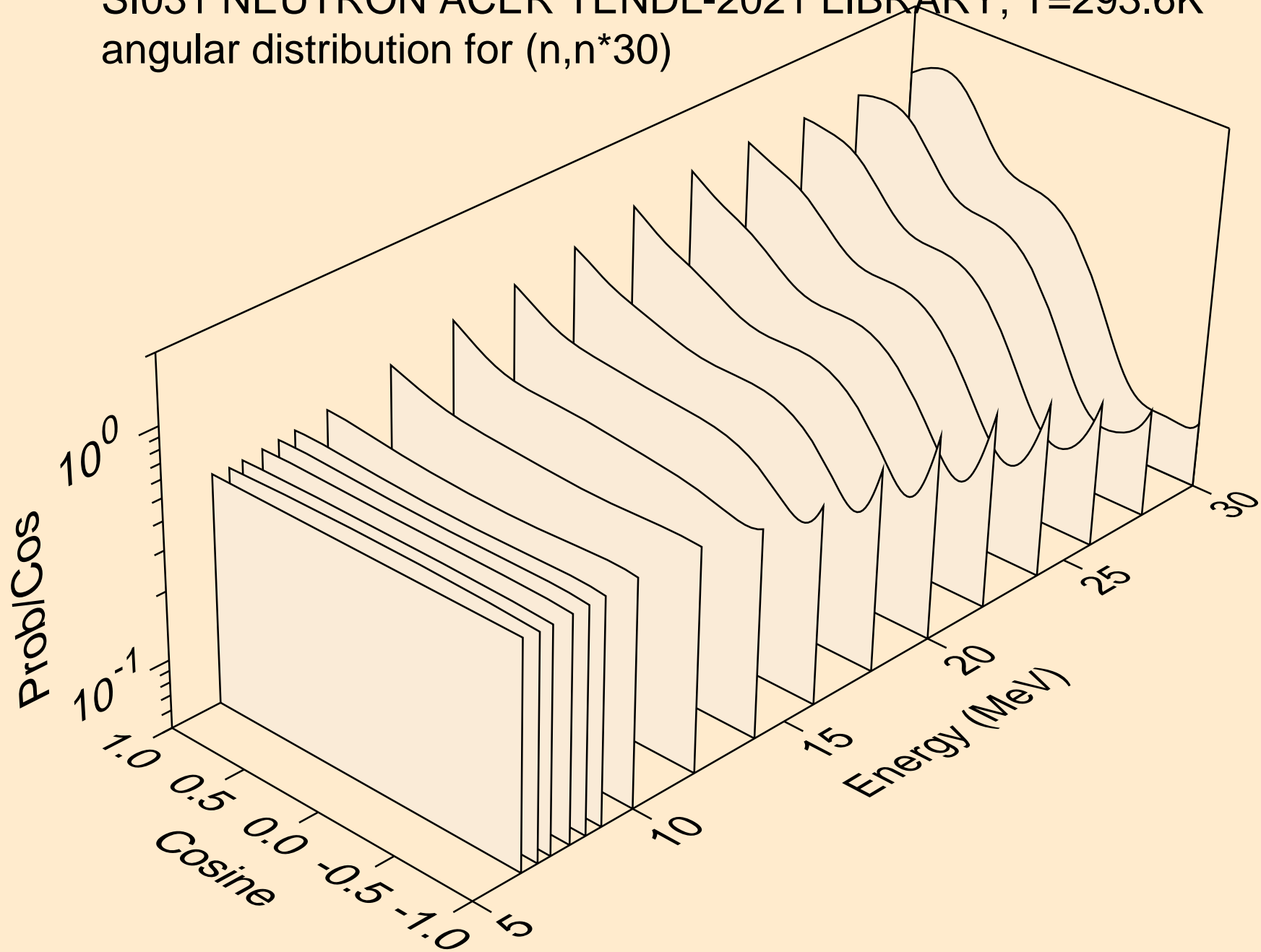




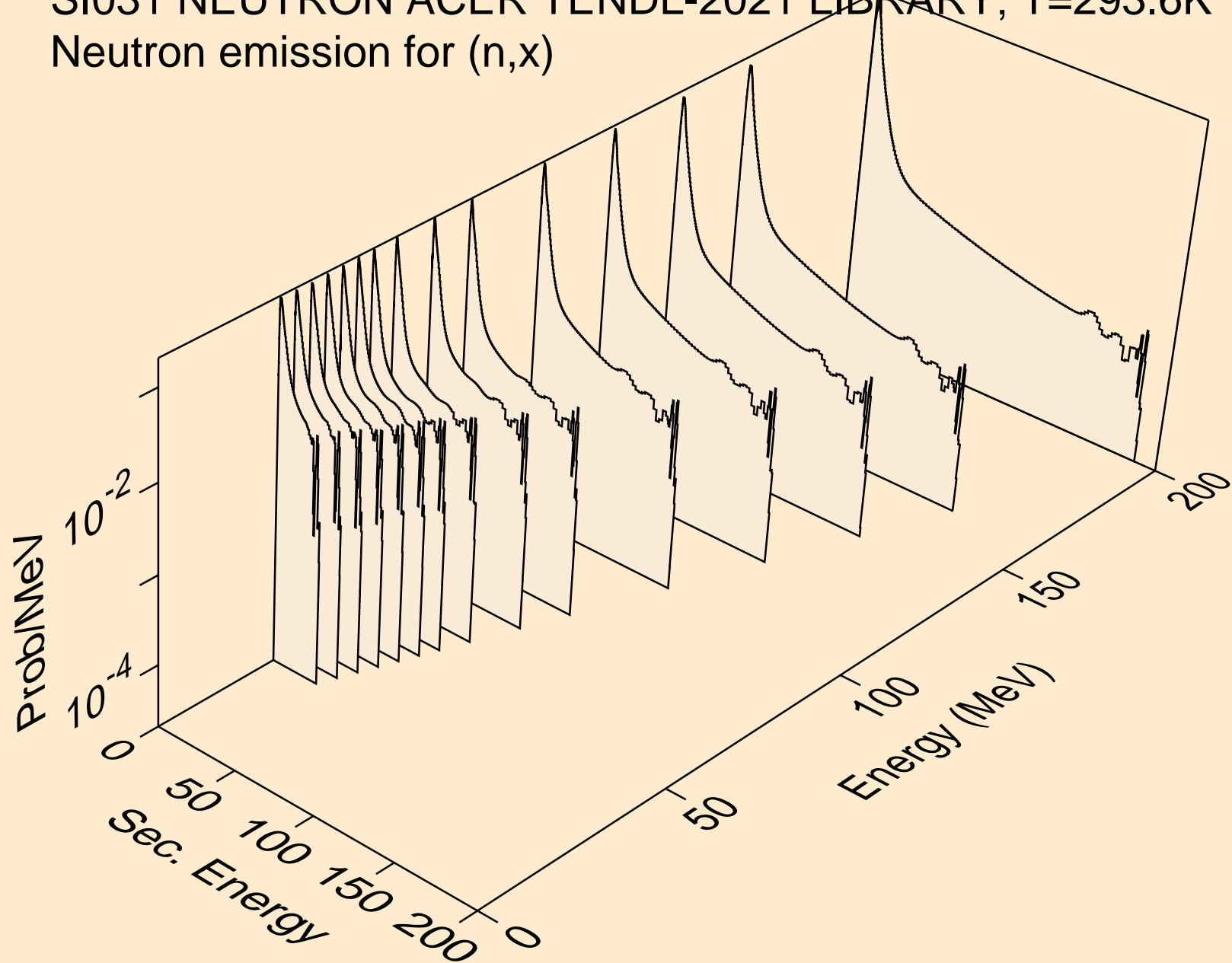
SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*29)



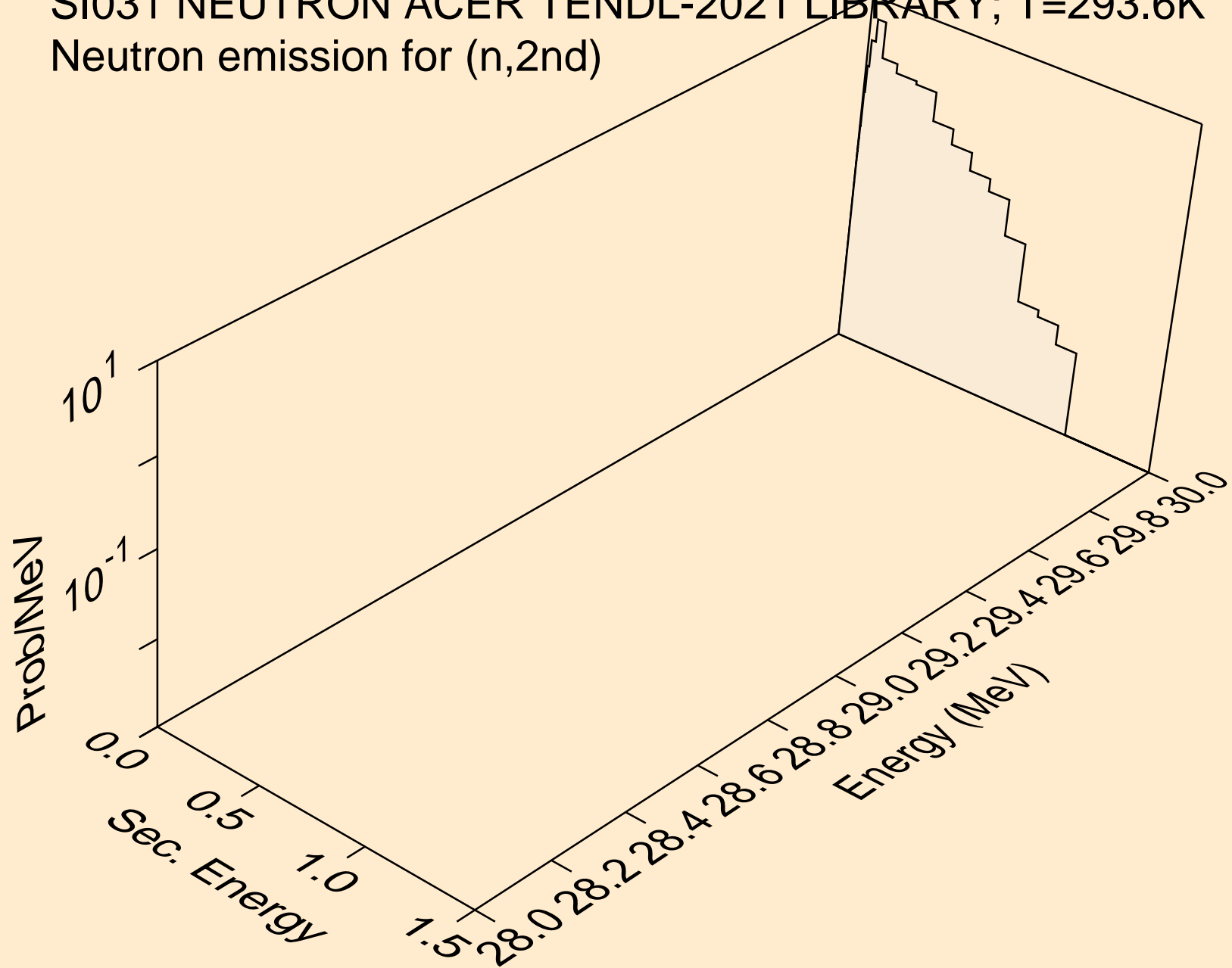
SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*30)



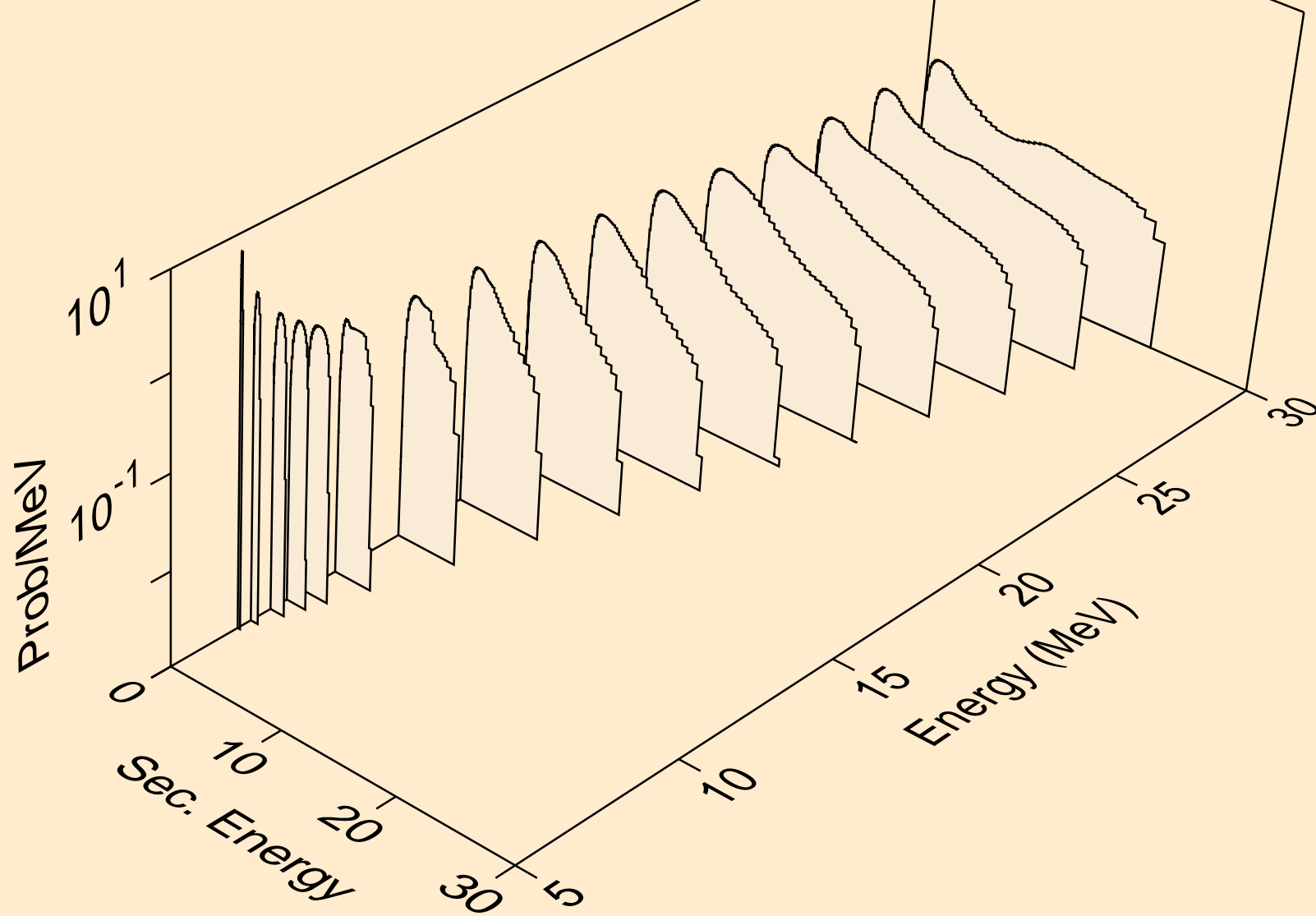
SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,x)



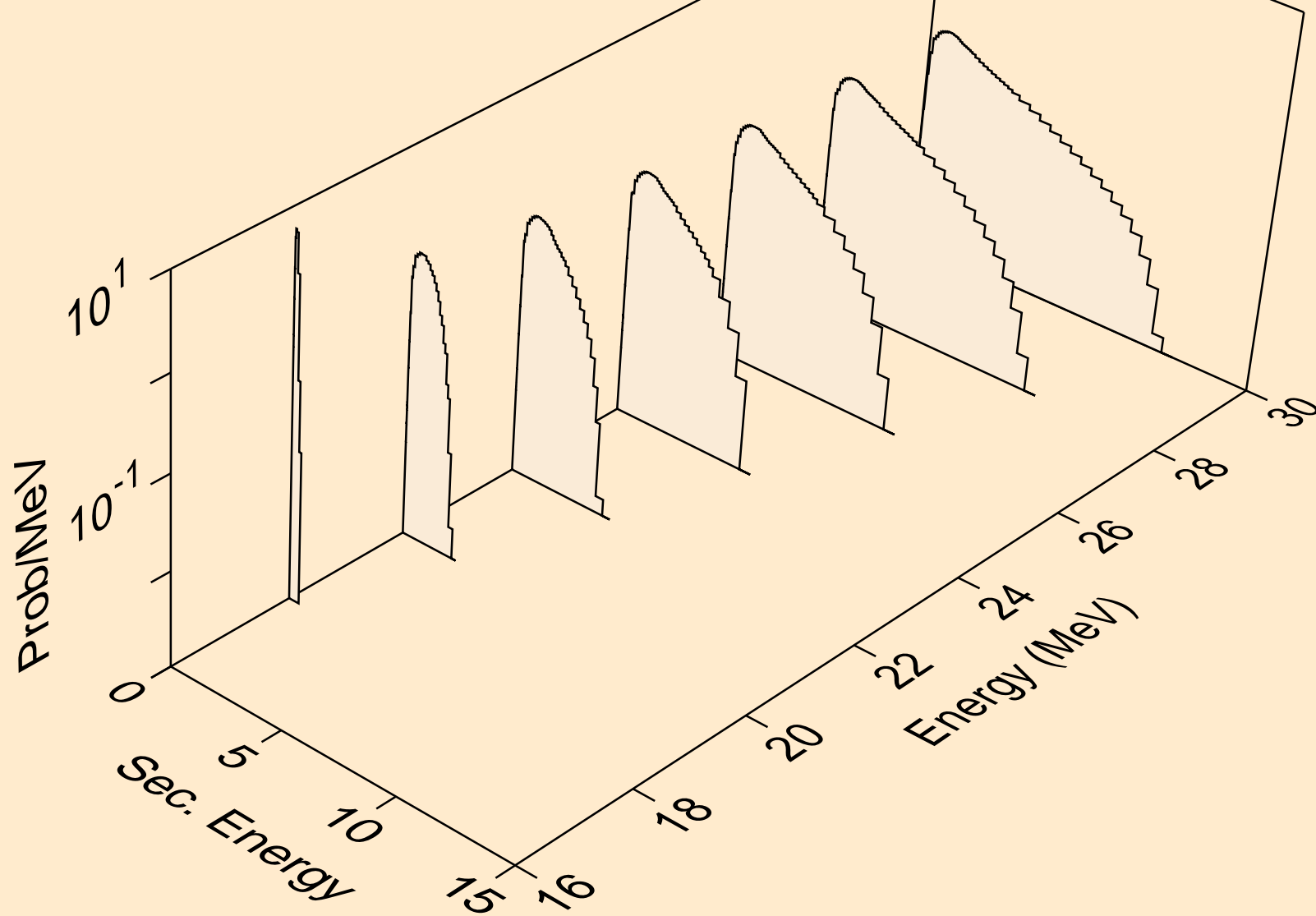
SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2nd)



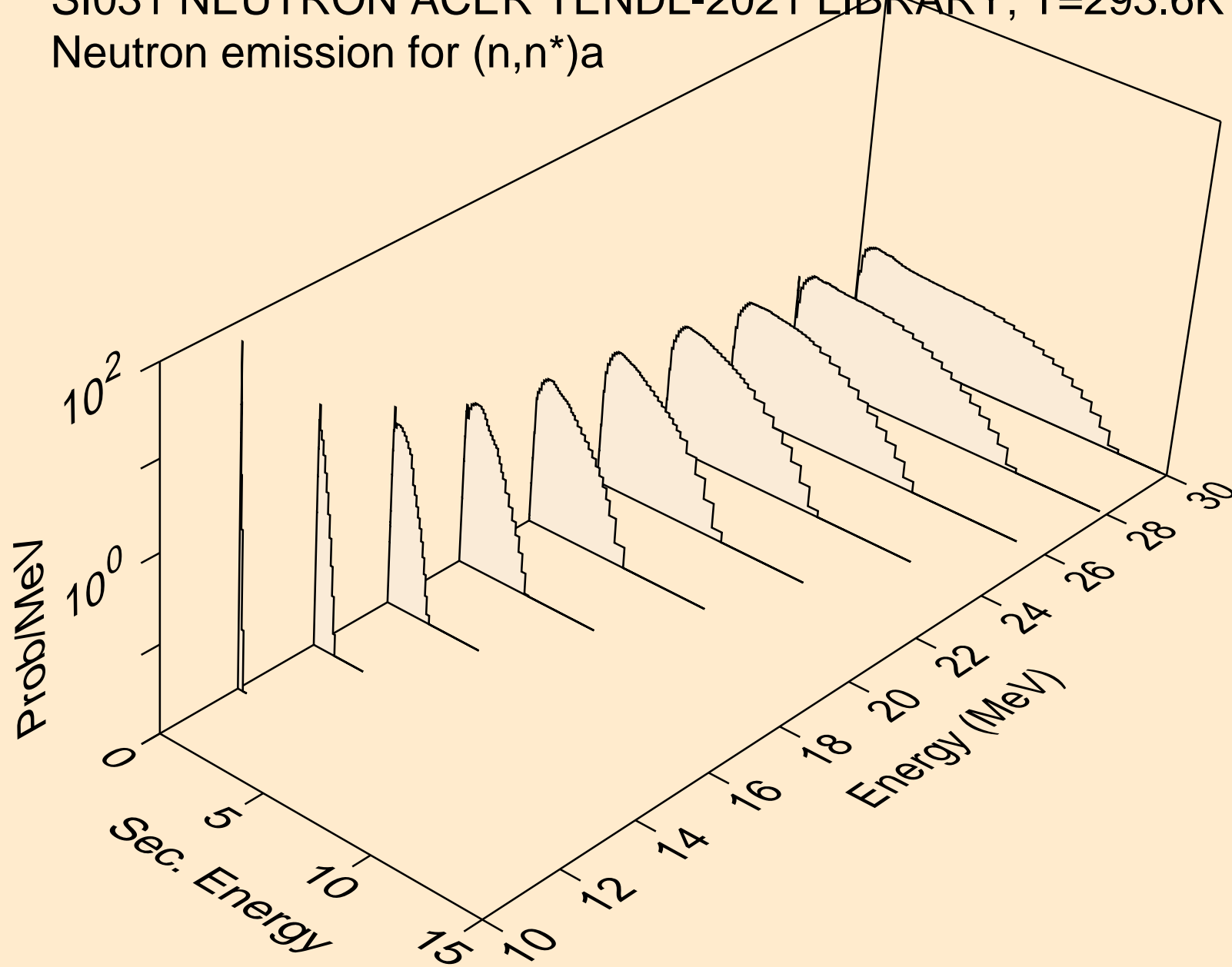
SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)



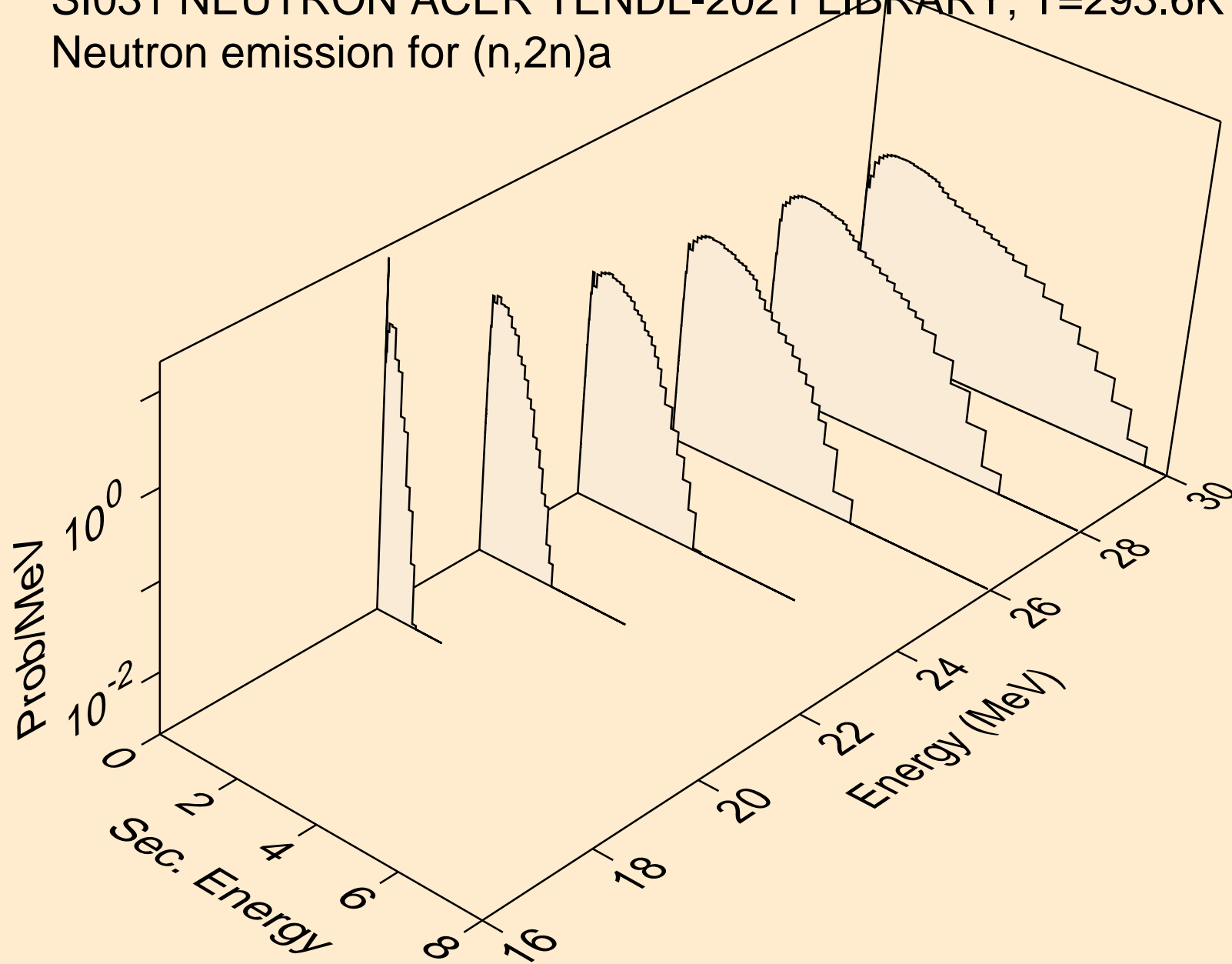
SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3n)



SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)a

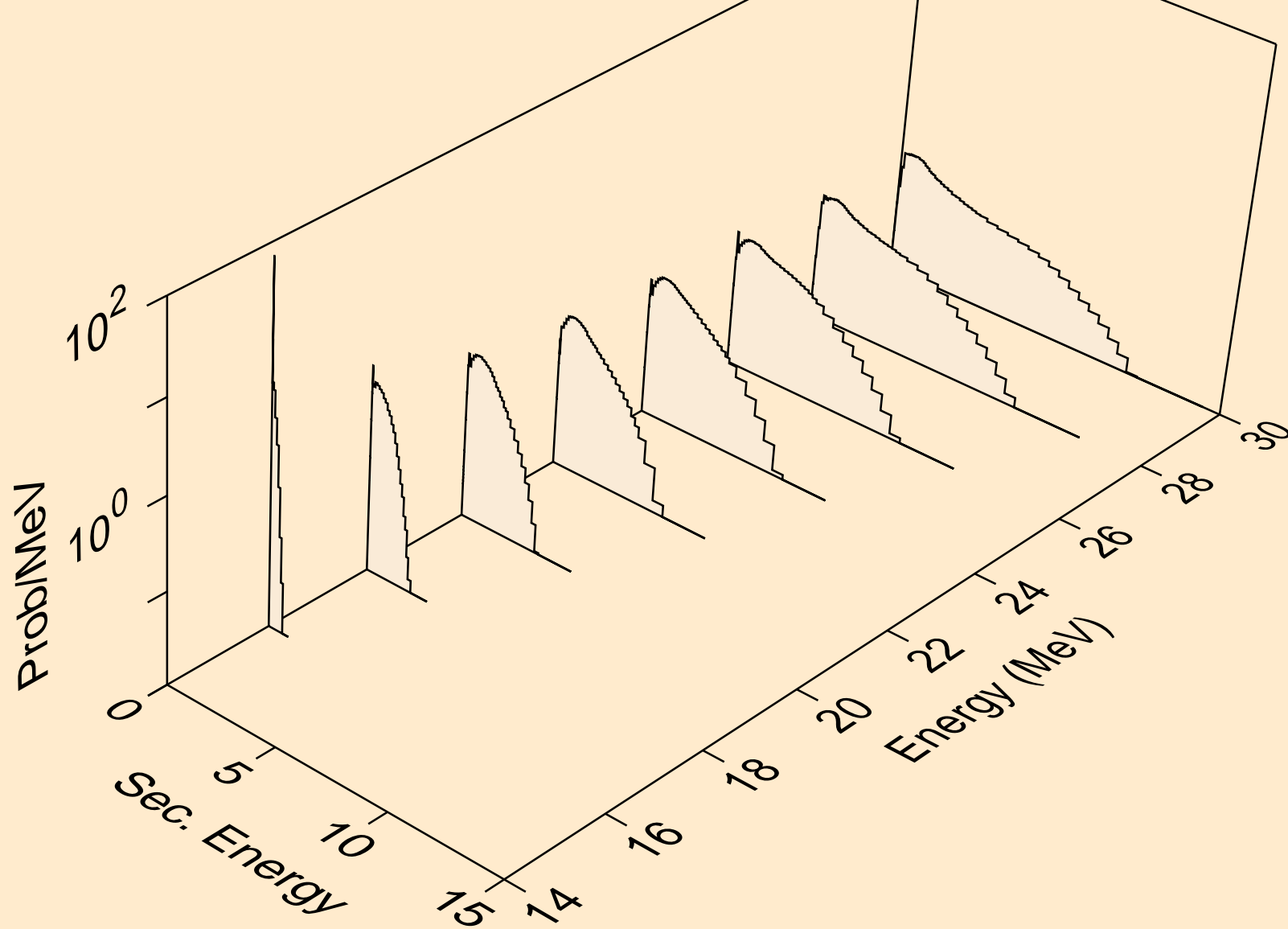


SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)a

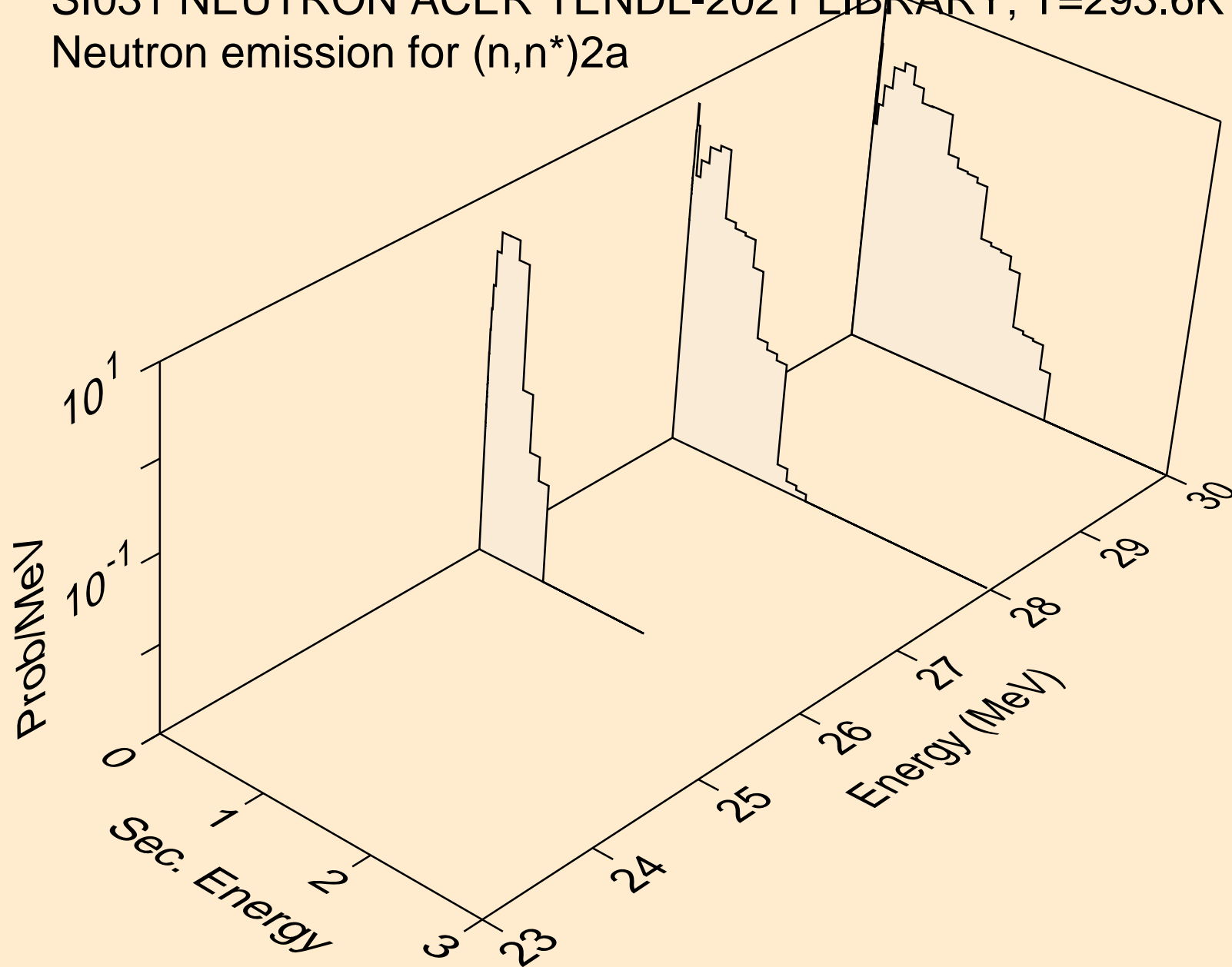




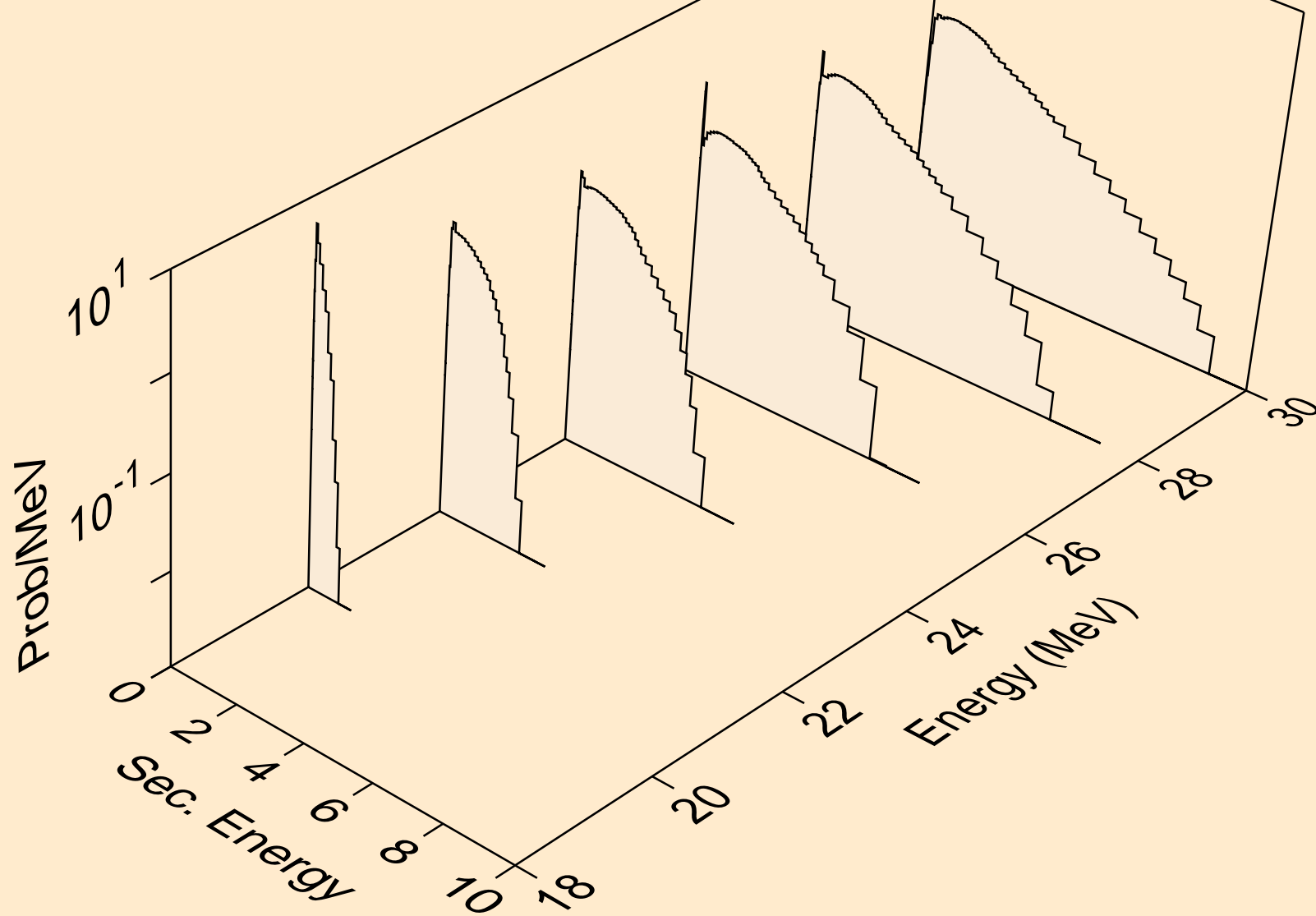
SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)p



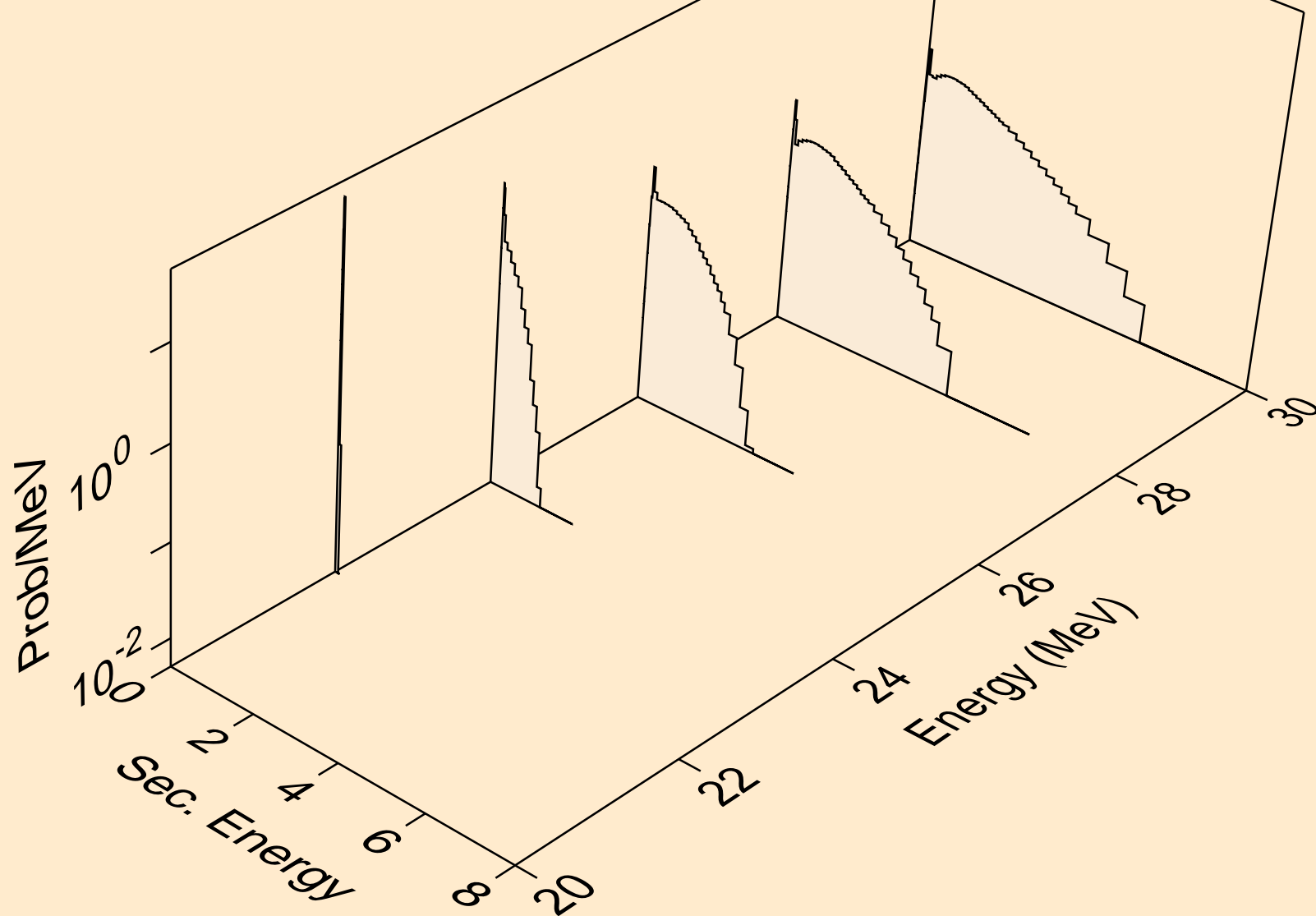
SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)2a



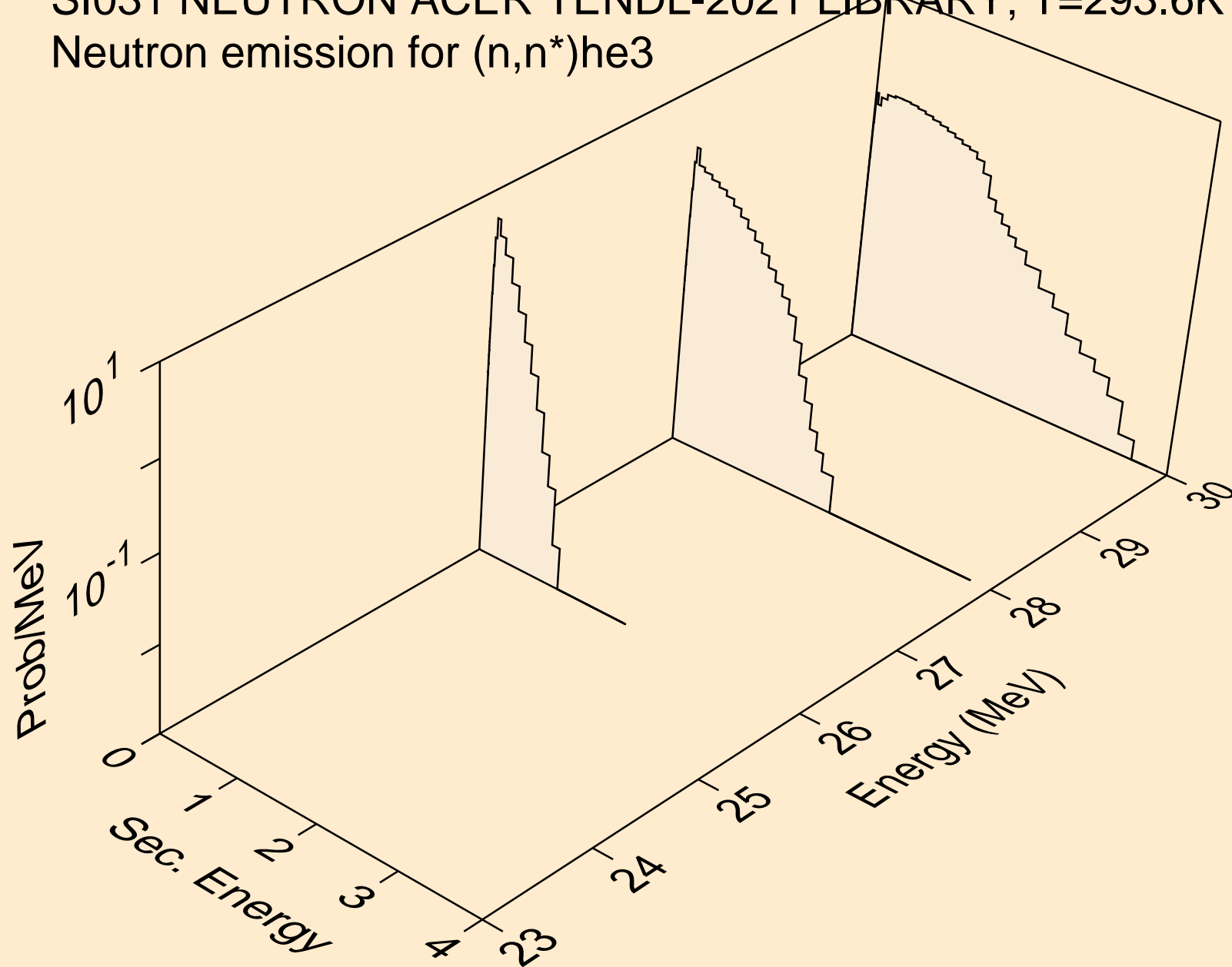
SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)d



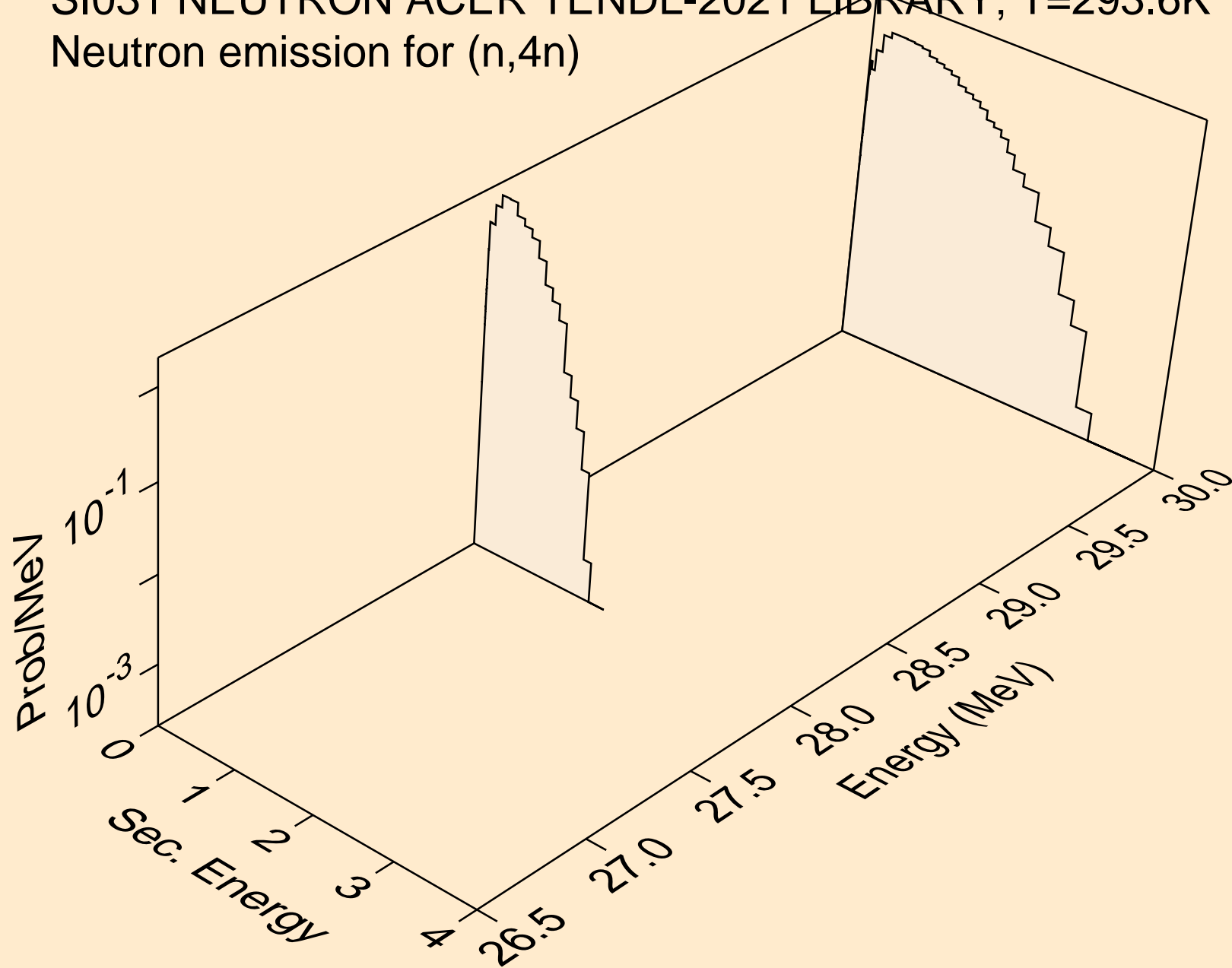
SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)t



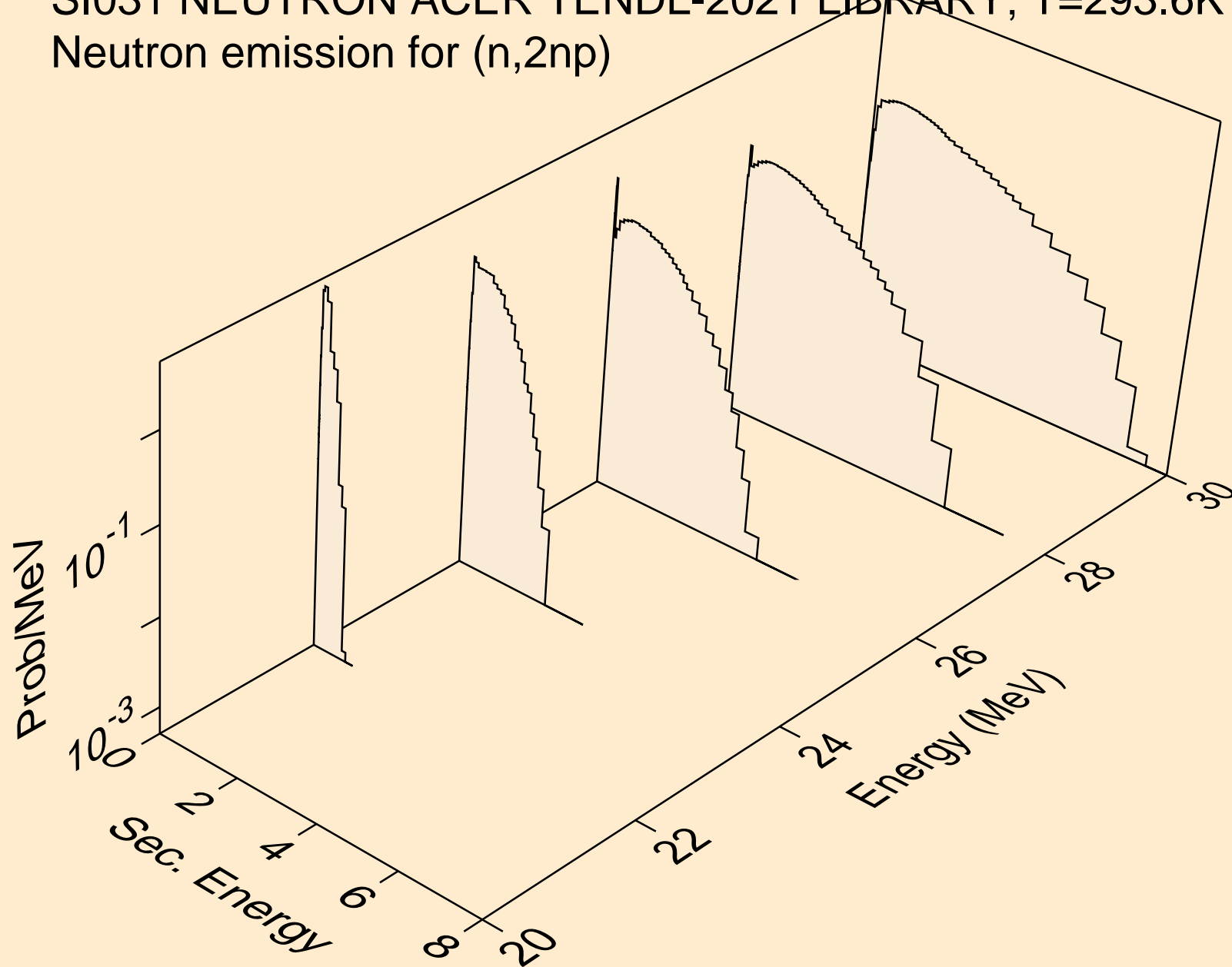
SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)he3



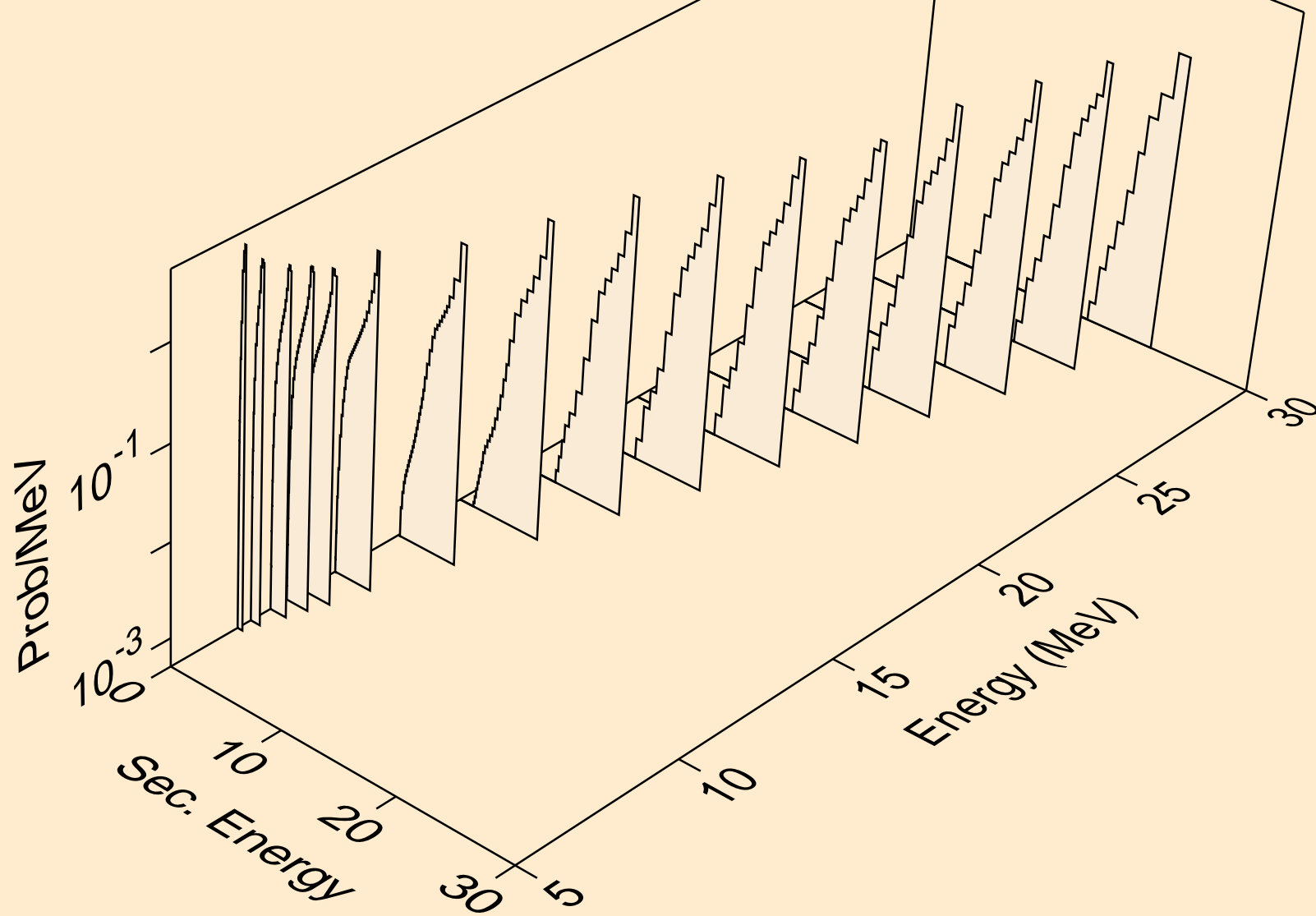
SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,4n)



SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2np)

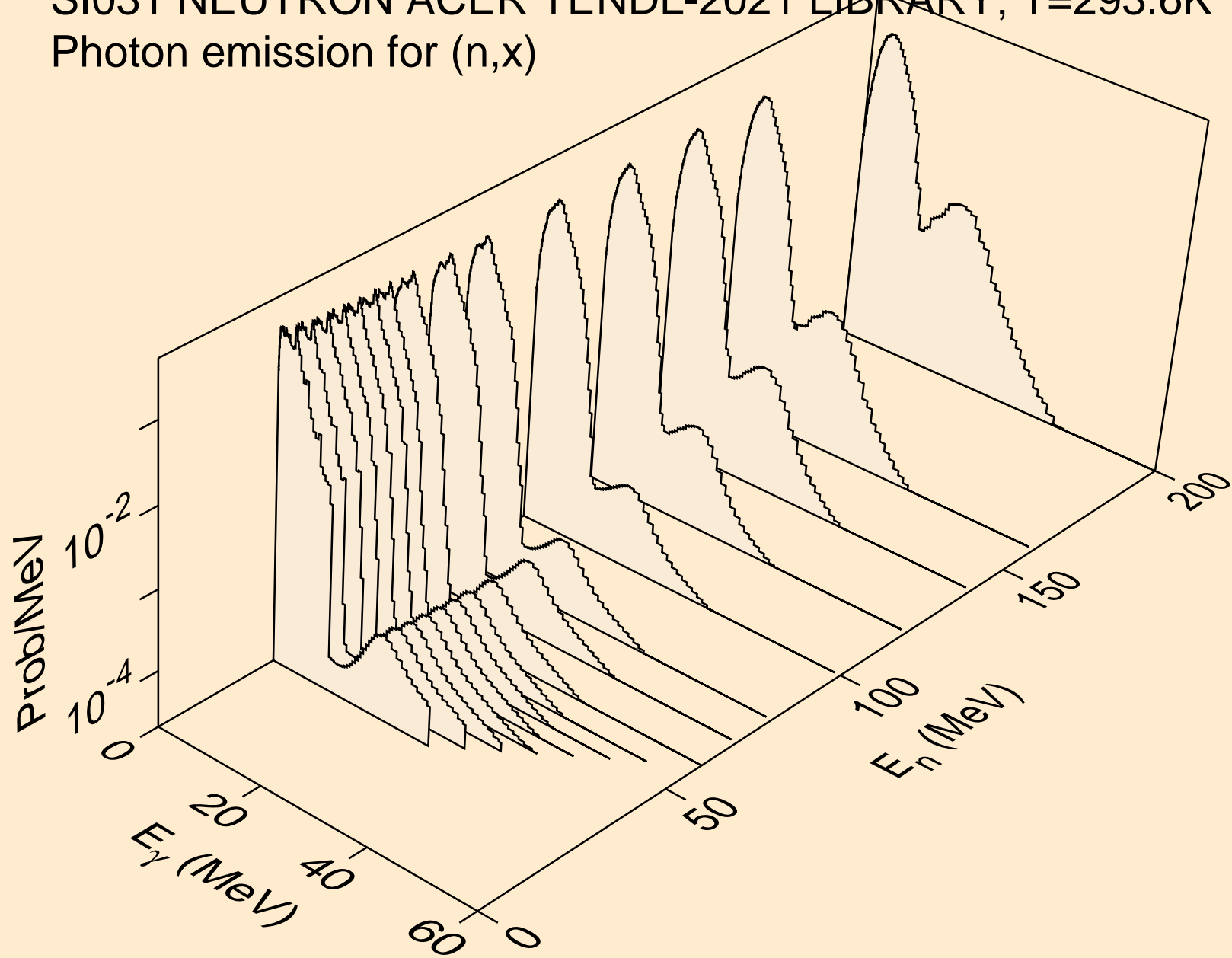


SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*c)

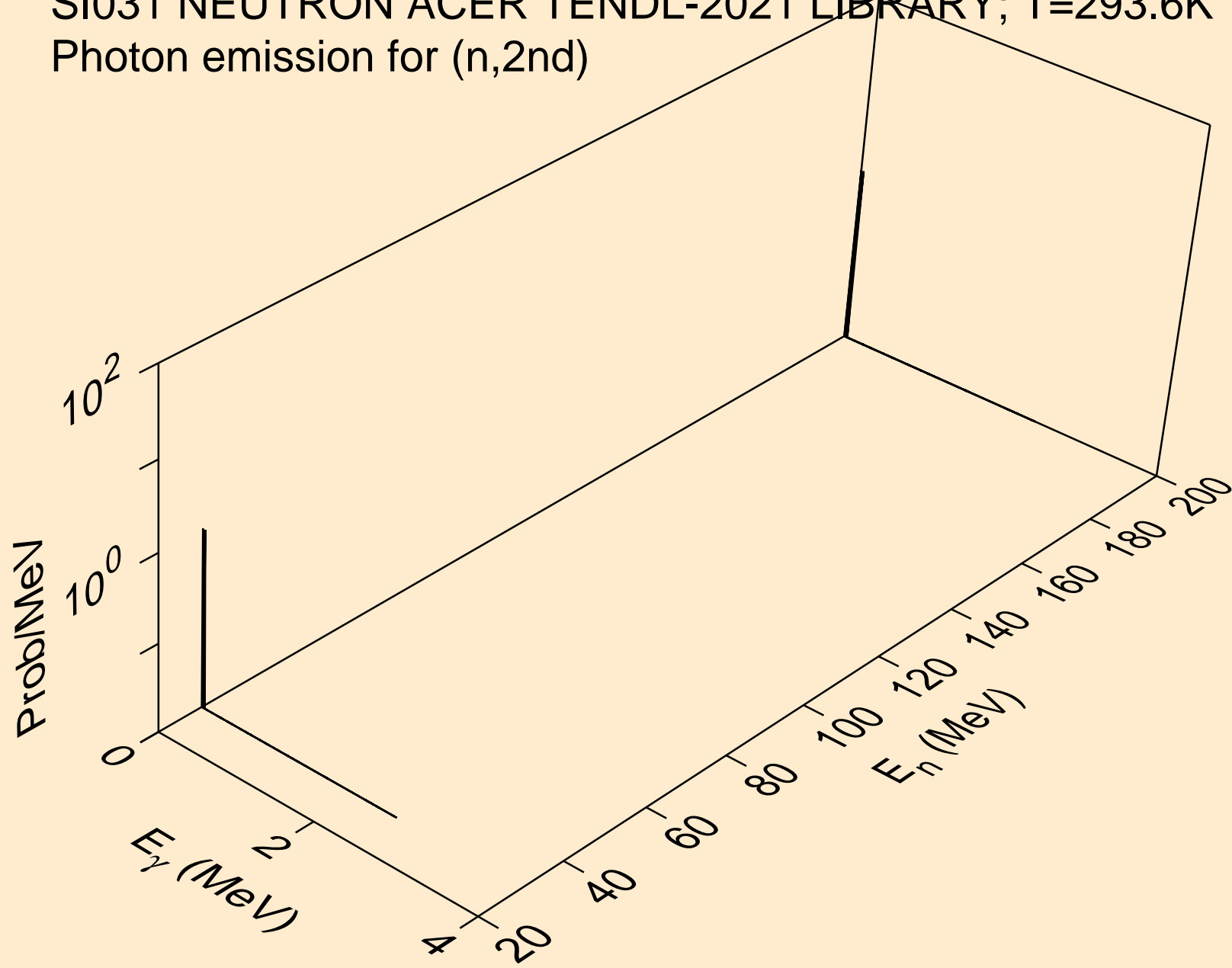




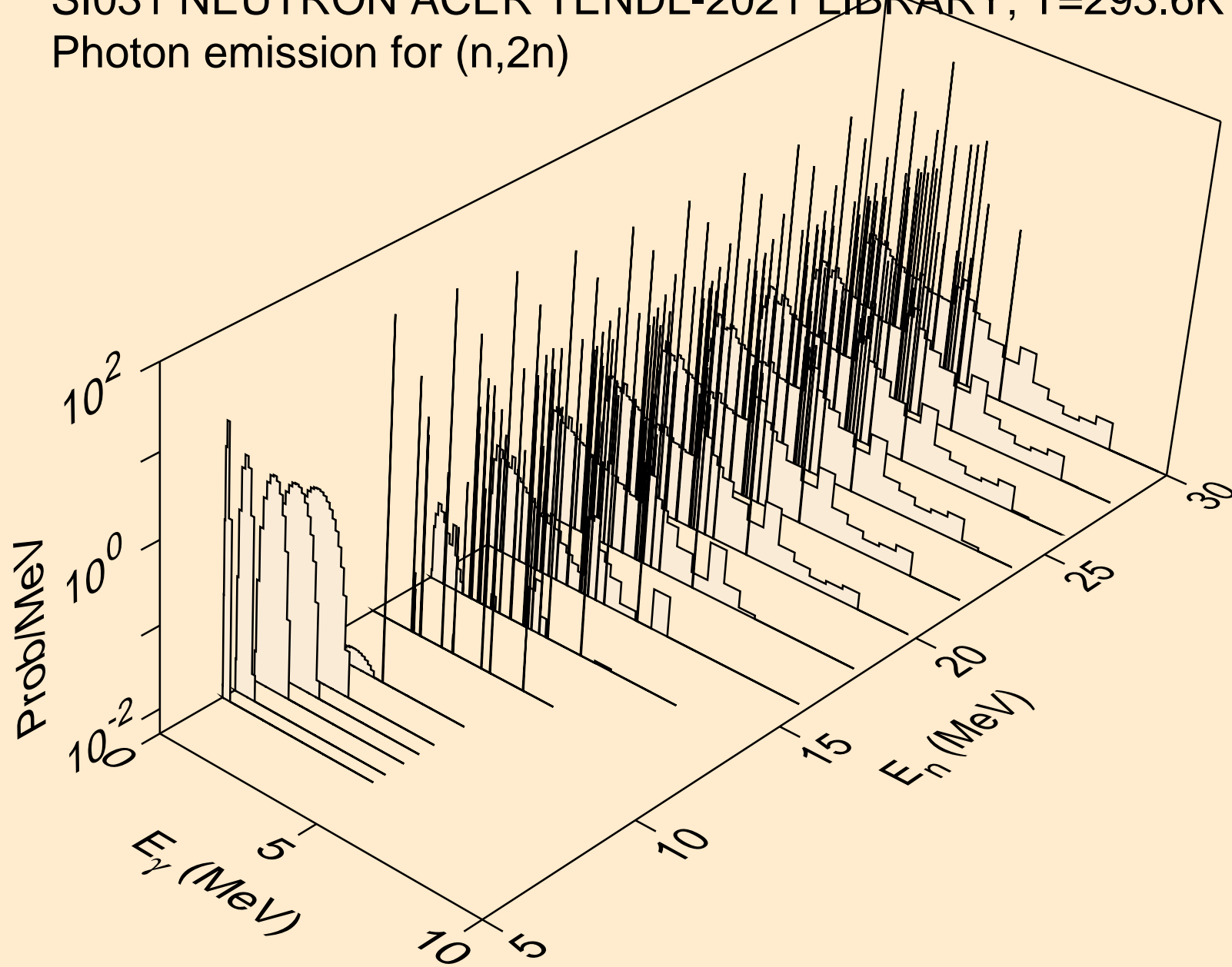
SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,x)



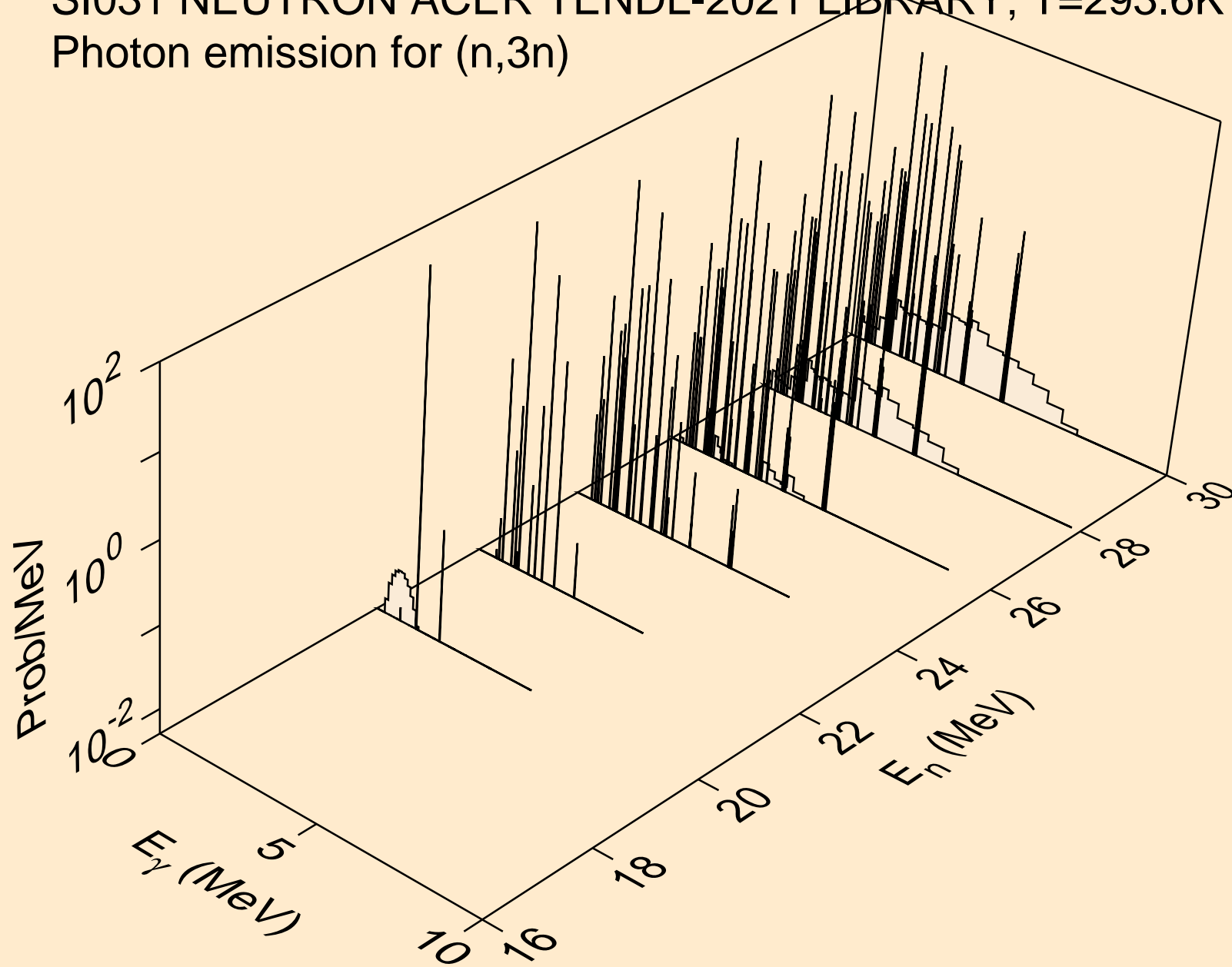
SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2nd)



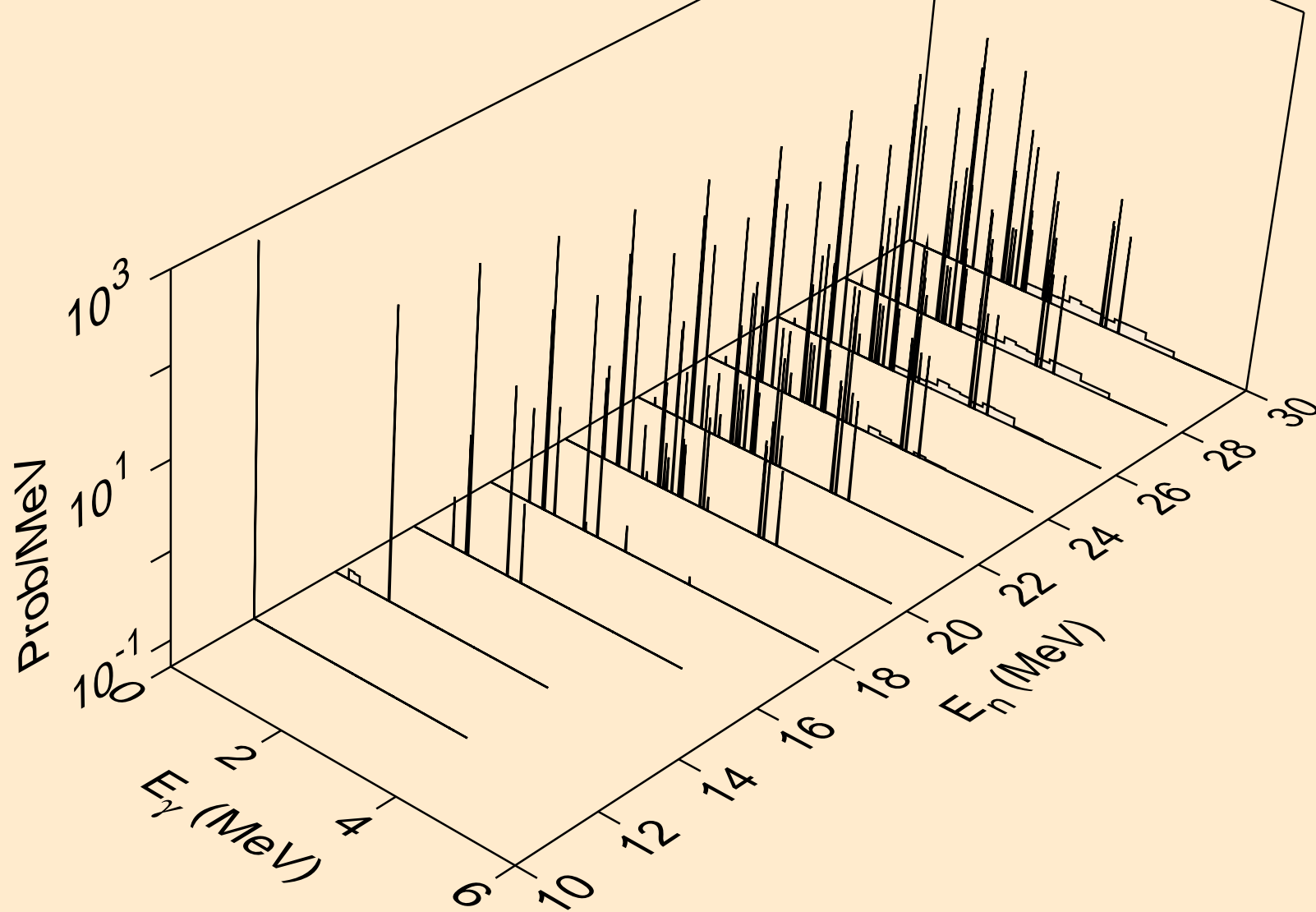
SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2n)



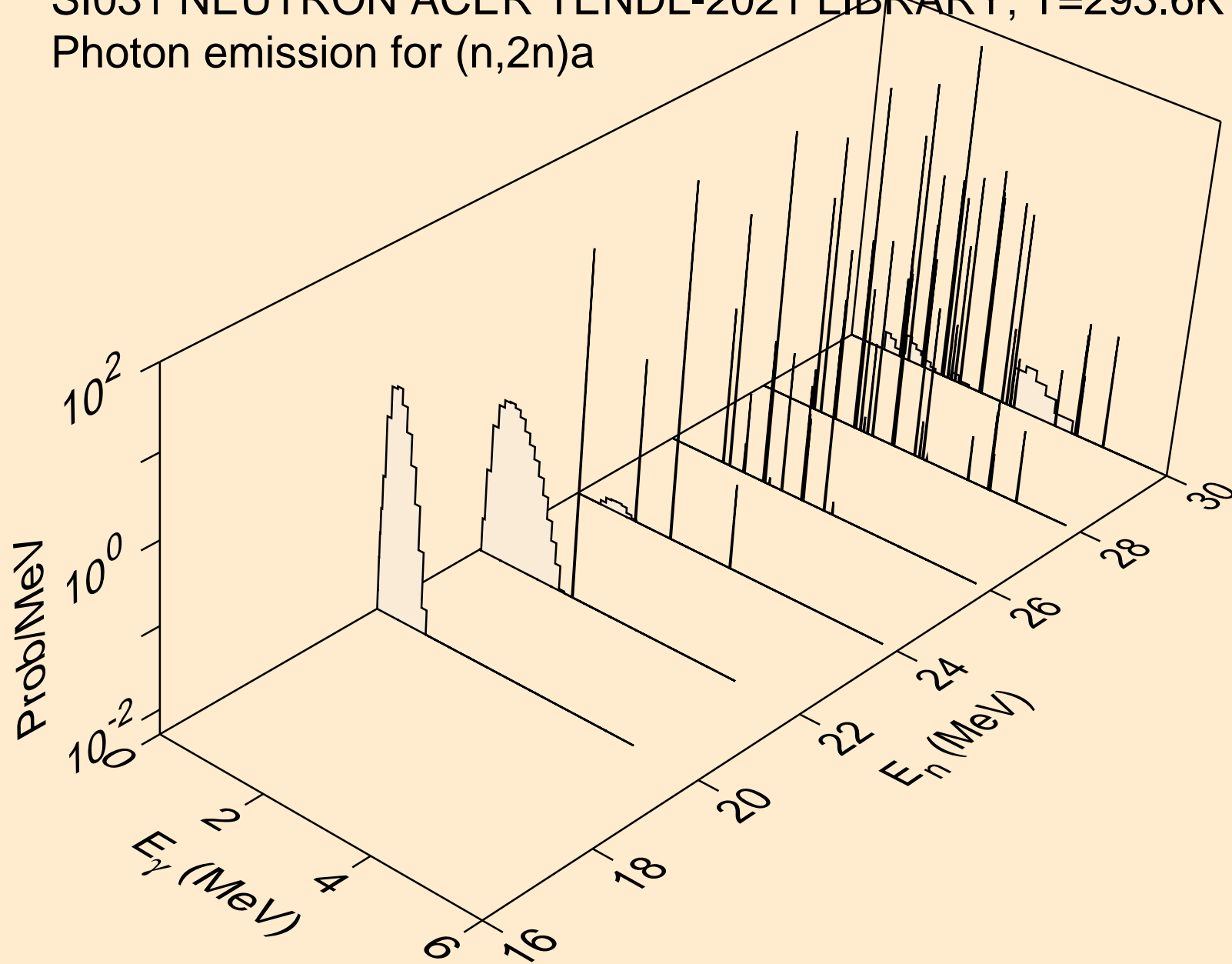
SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3n)



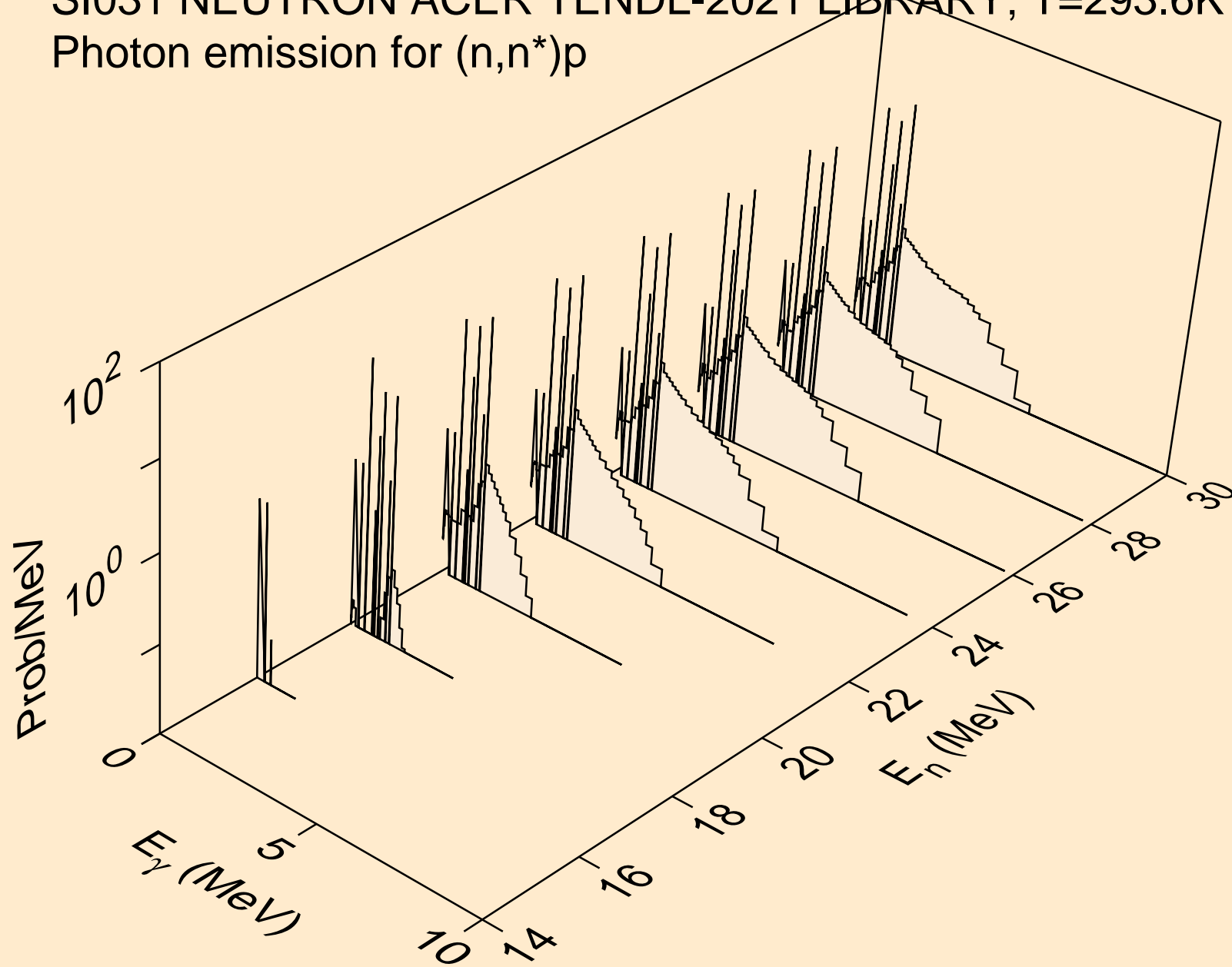
SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)a



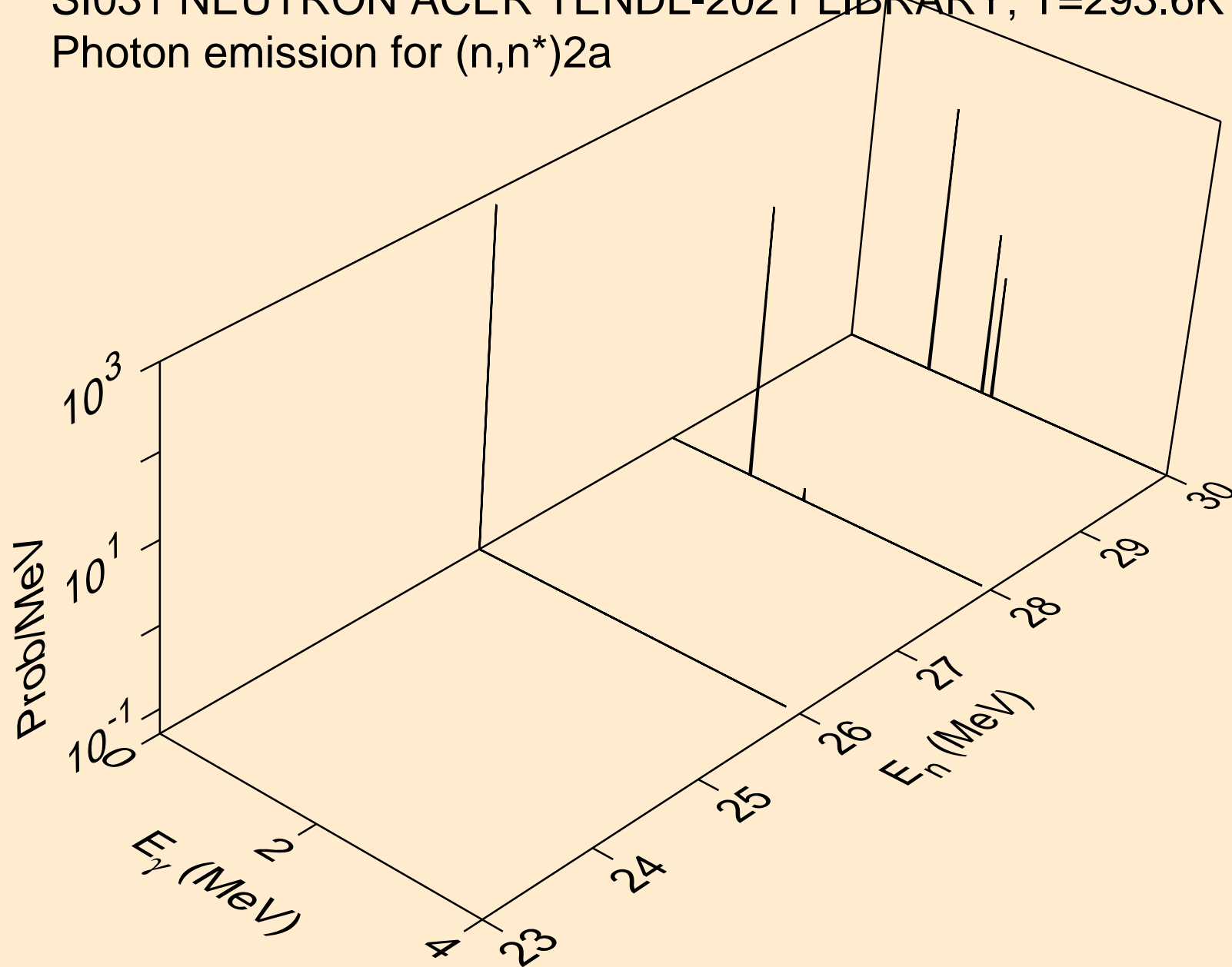
SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2n)a



SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)p

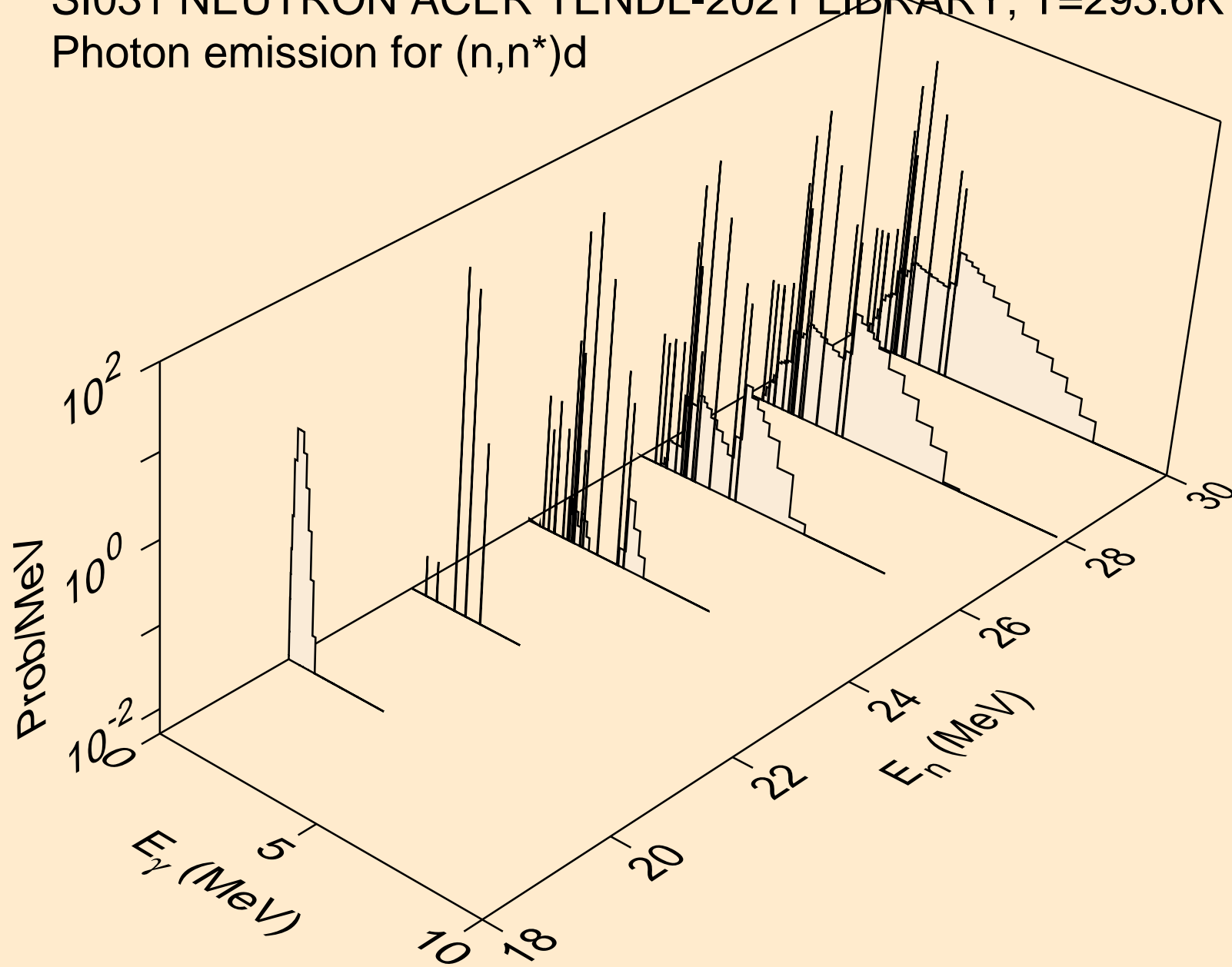


SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)2a

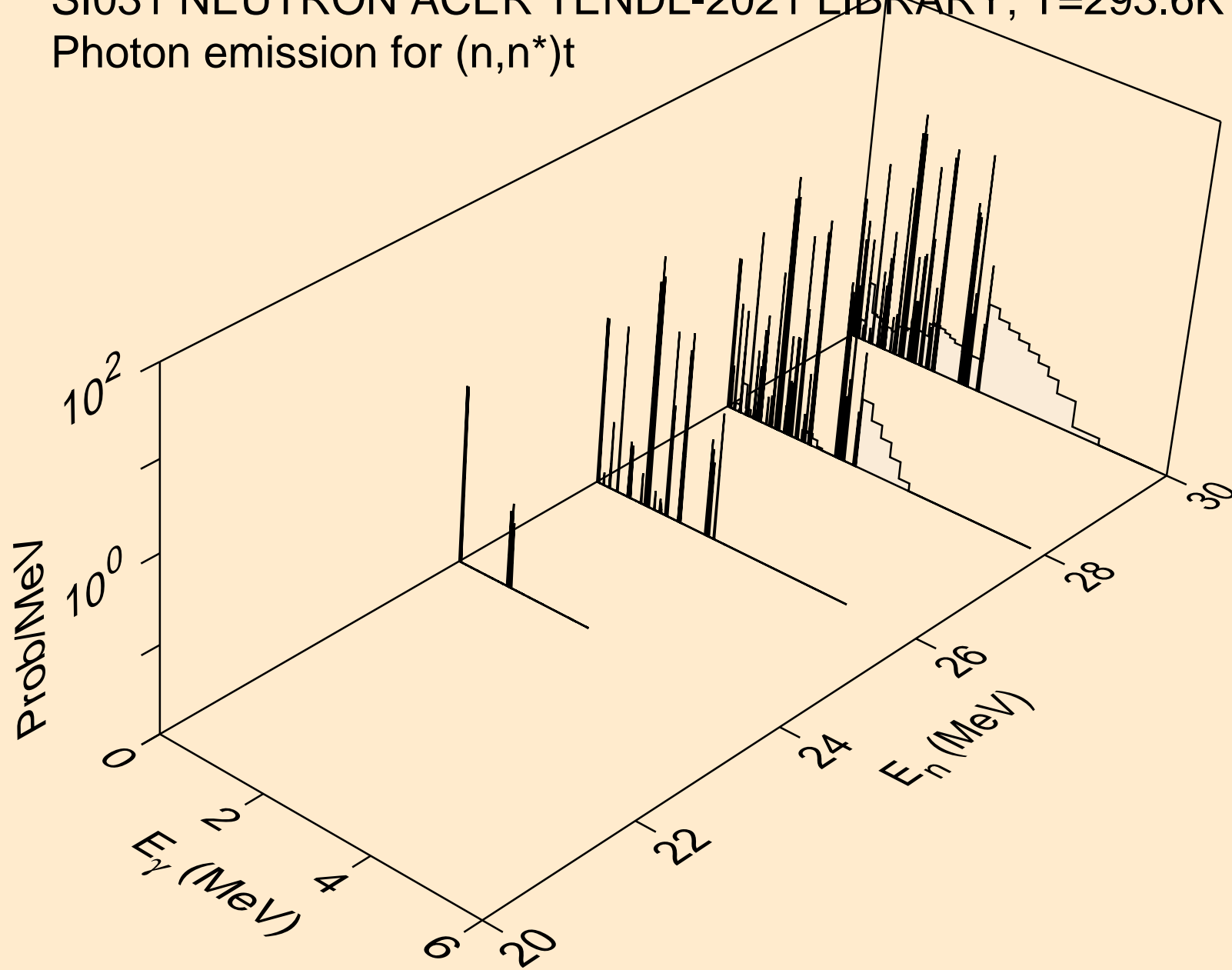




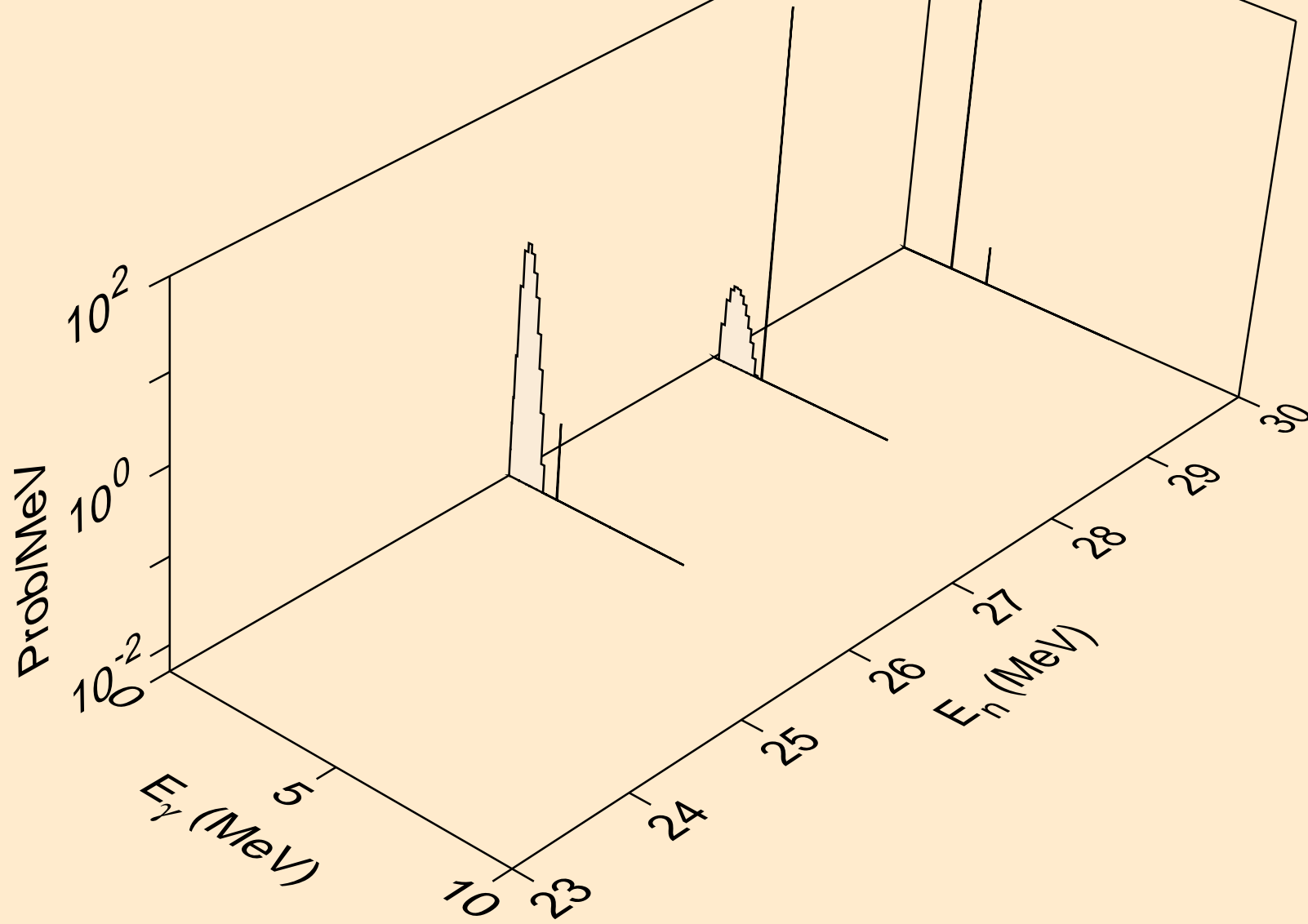
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Photon emission for (n,n\*)d



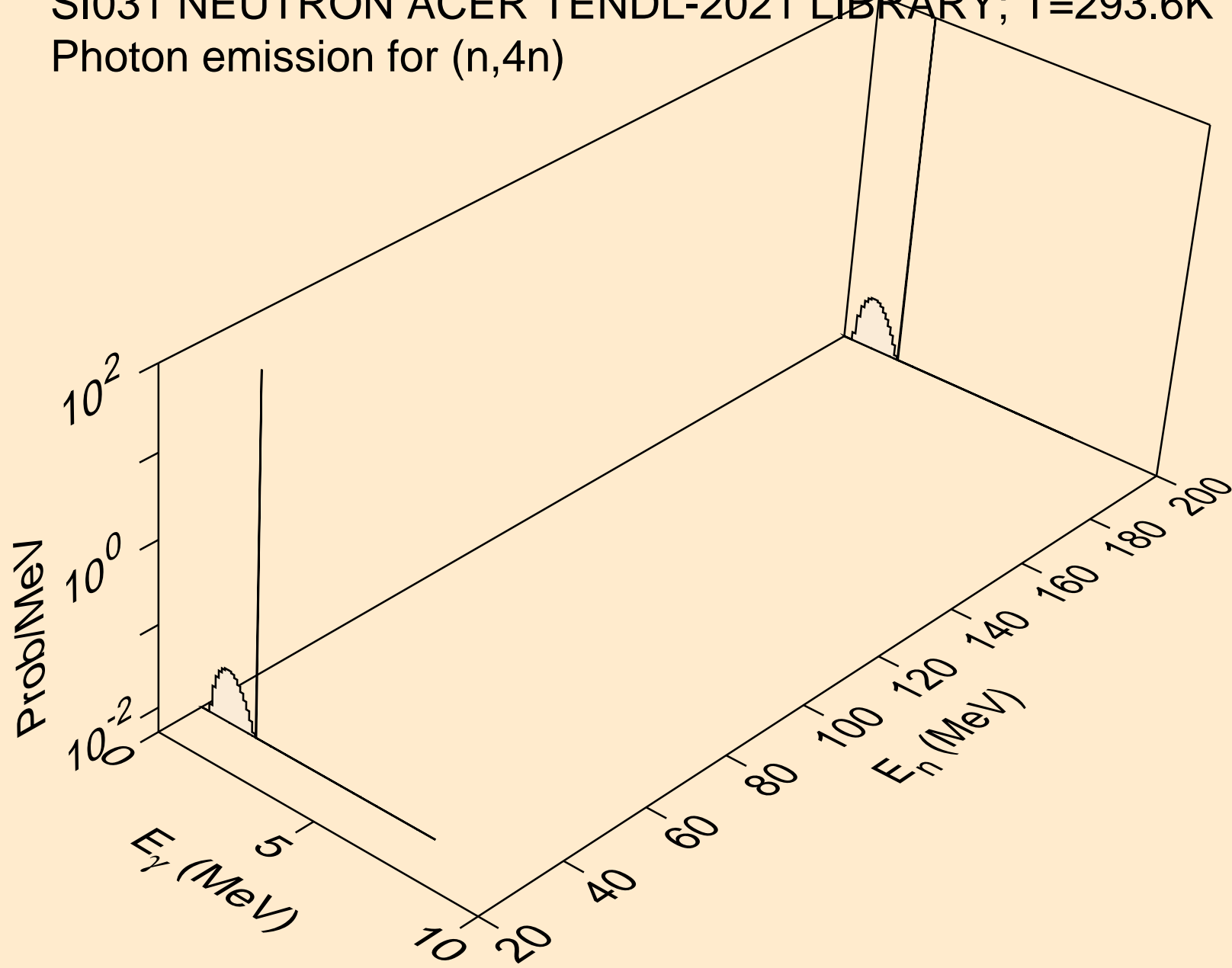
SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)t



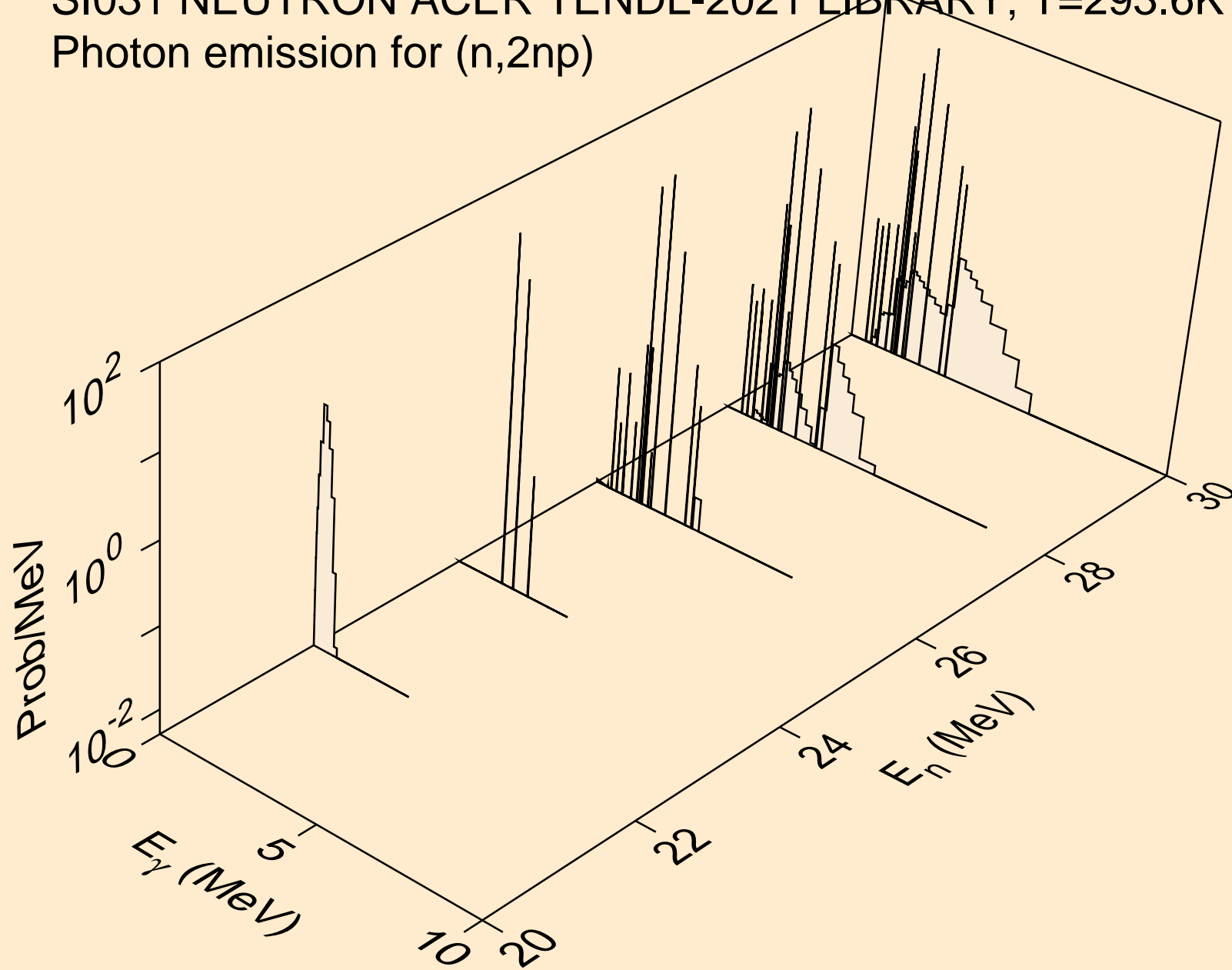
SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)he3



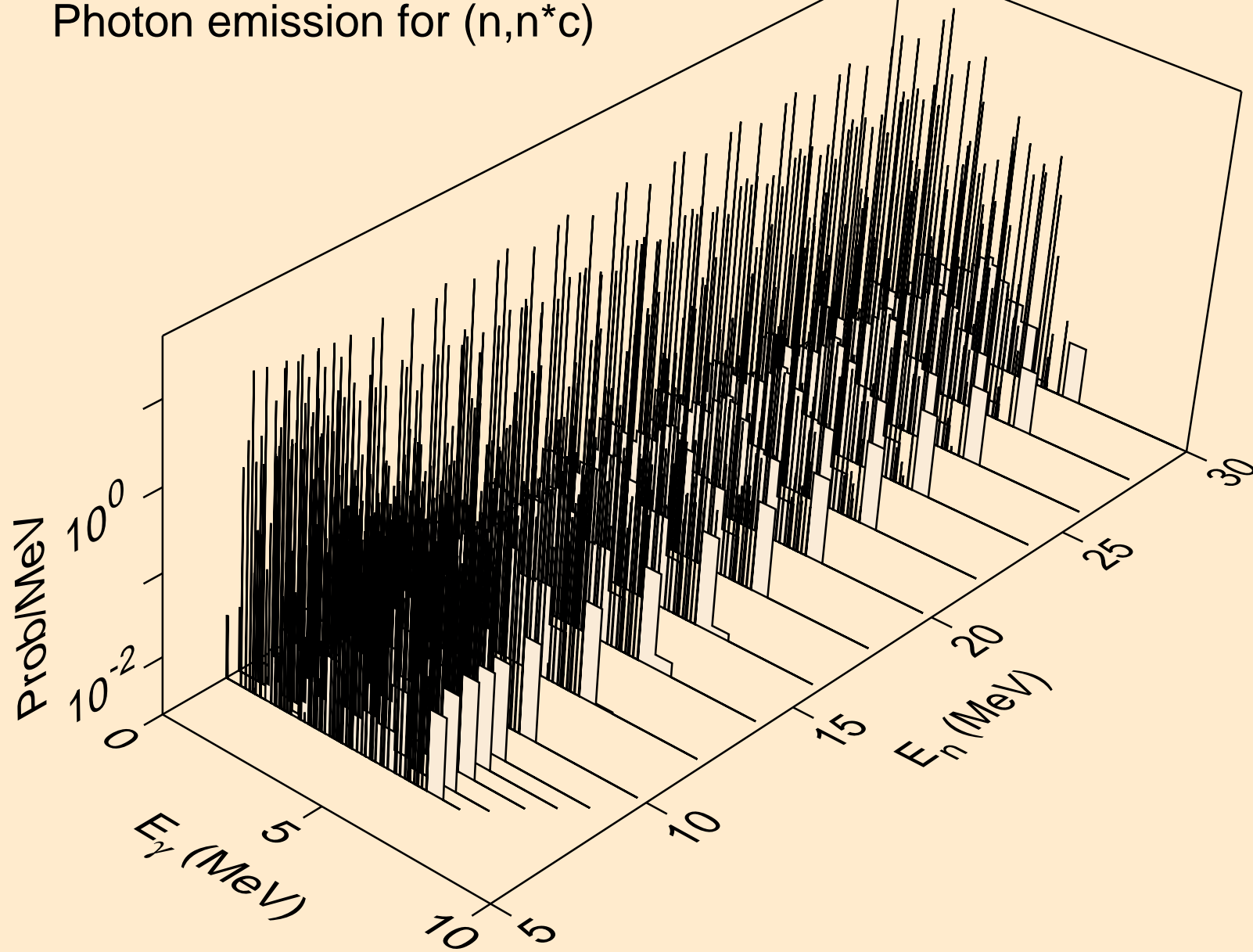
SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,4n)



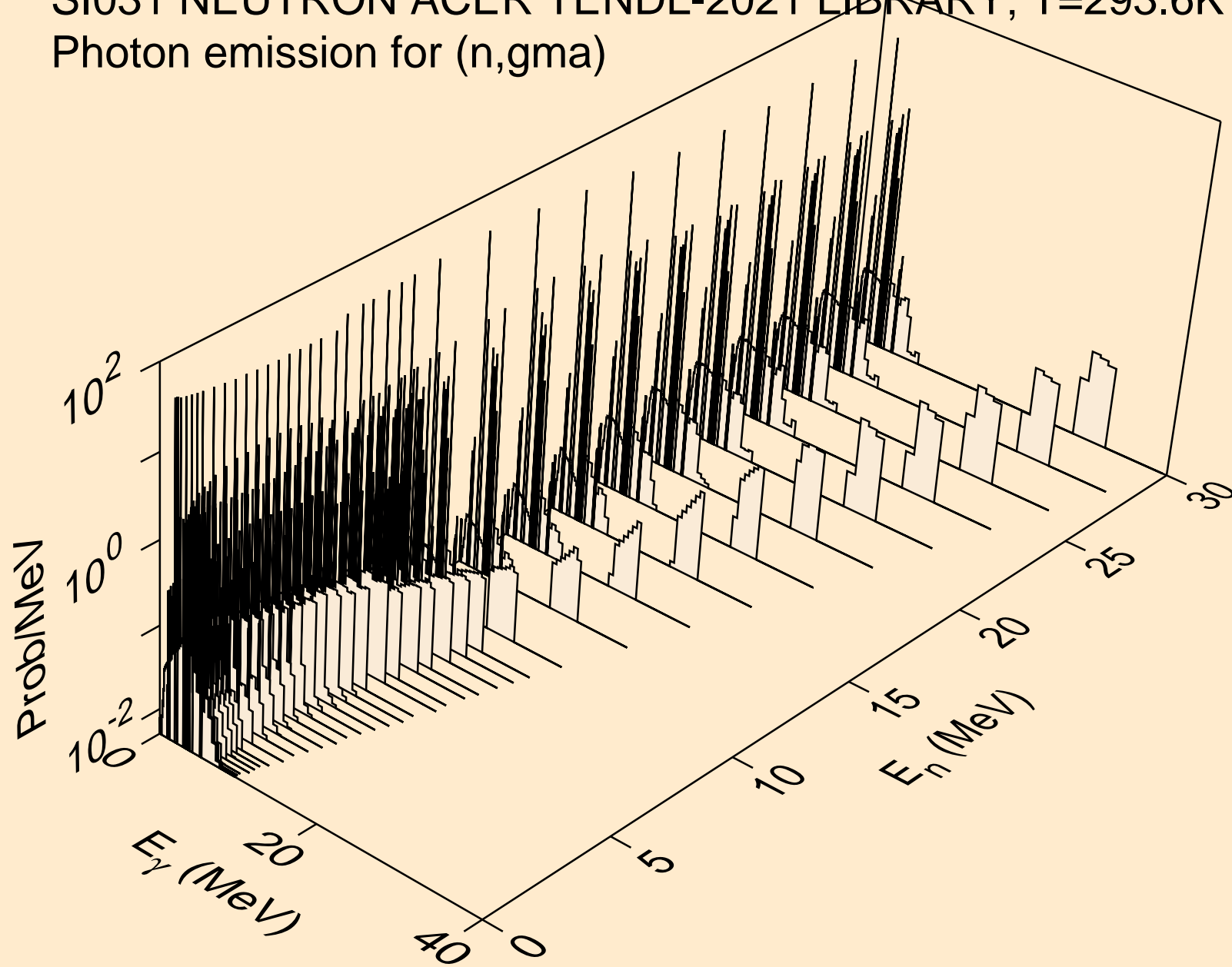
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Photon emission for (n,2np)



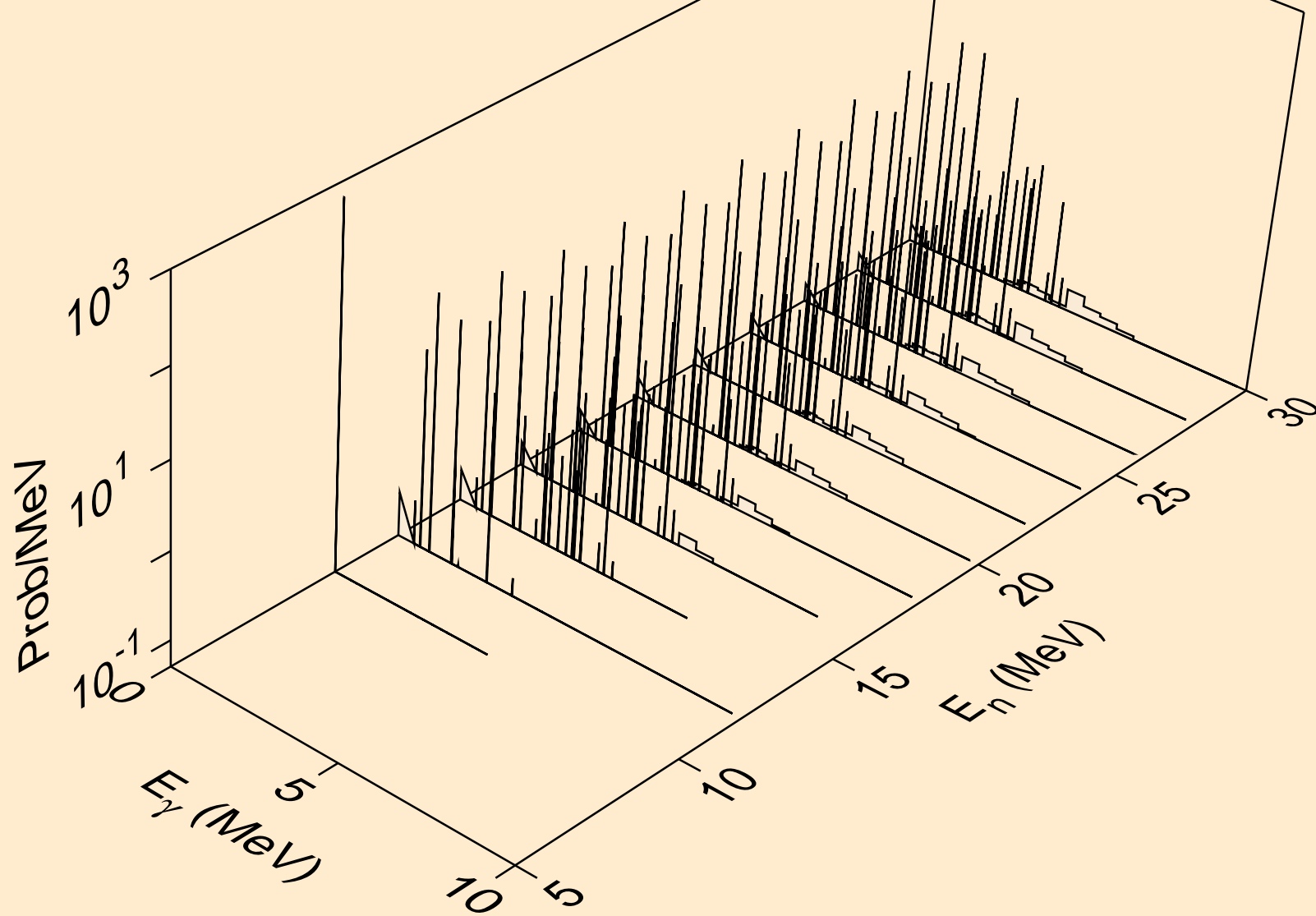
SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*c)



SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,gma)

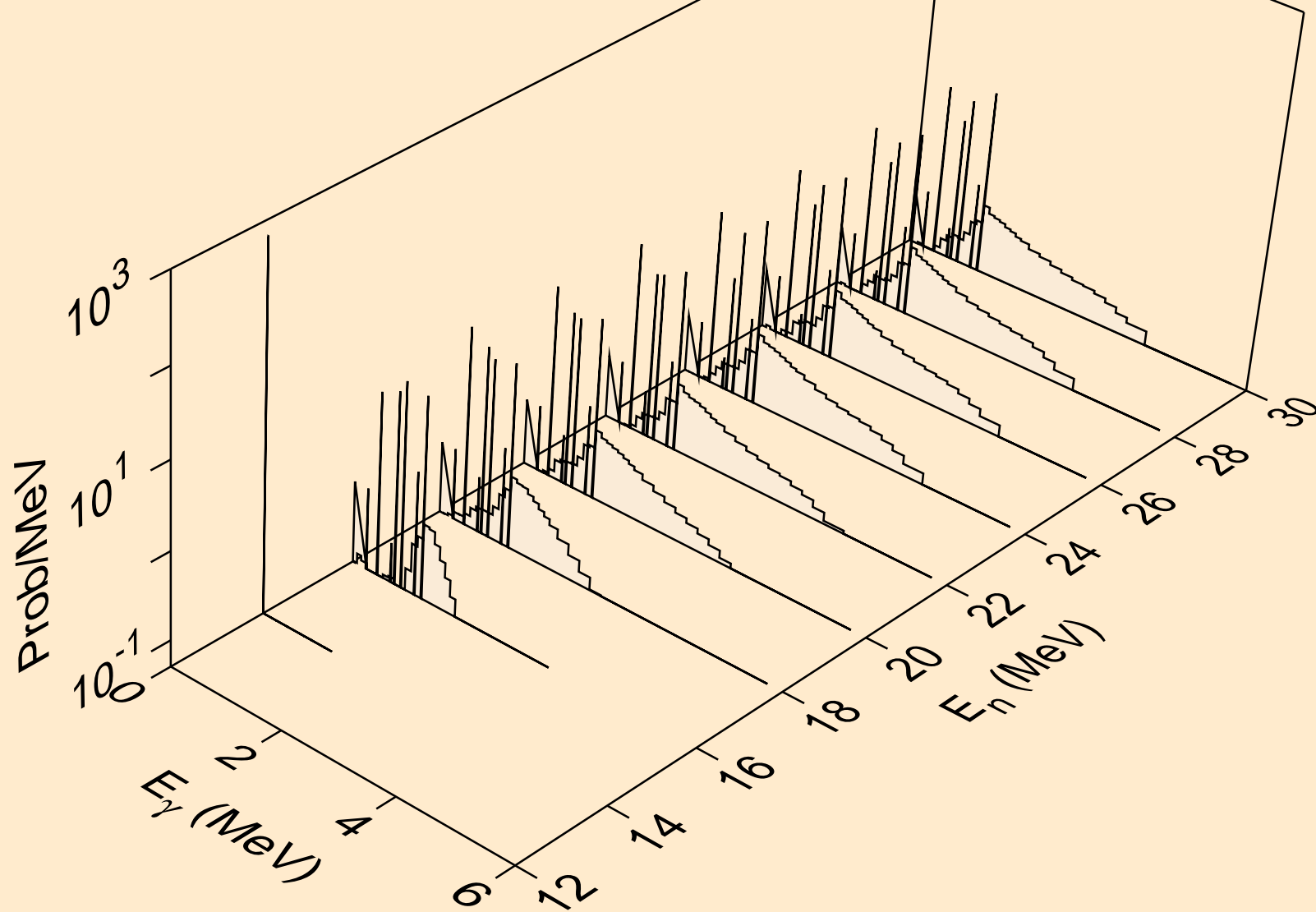


SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,p)

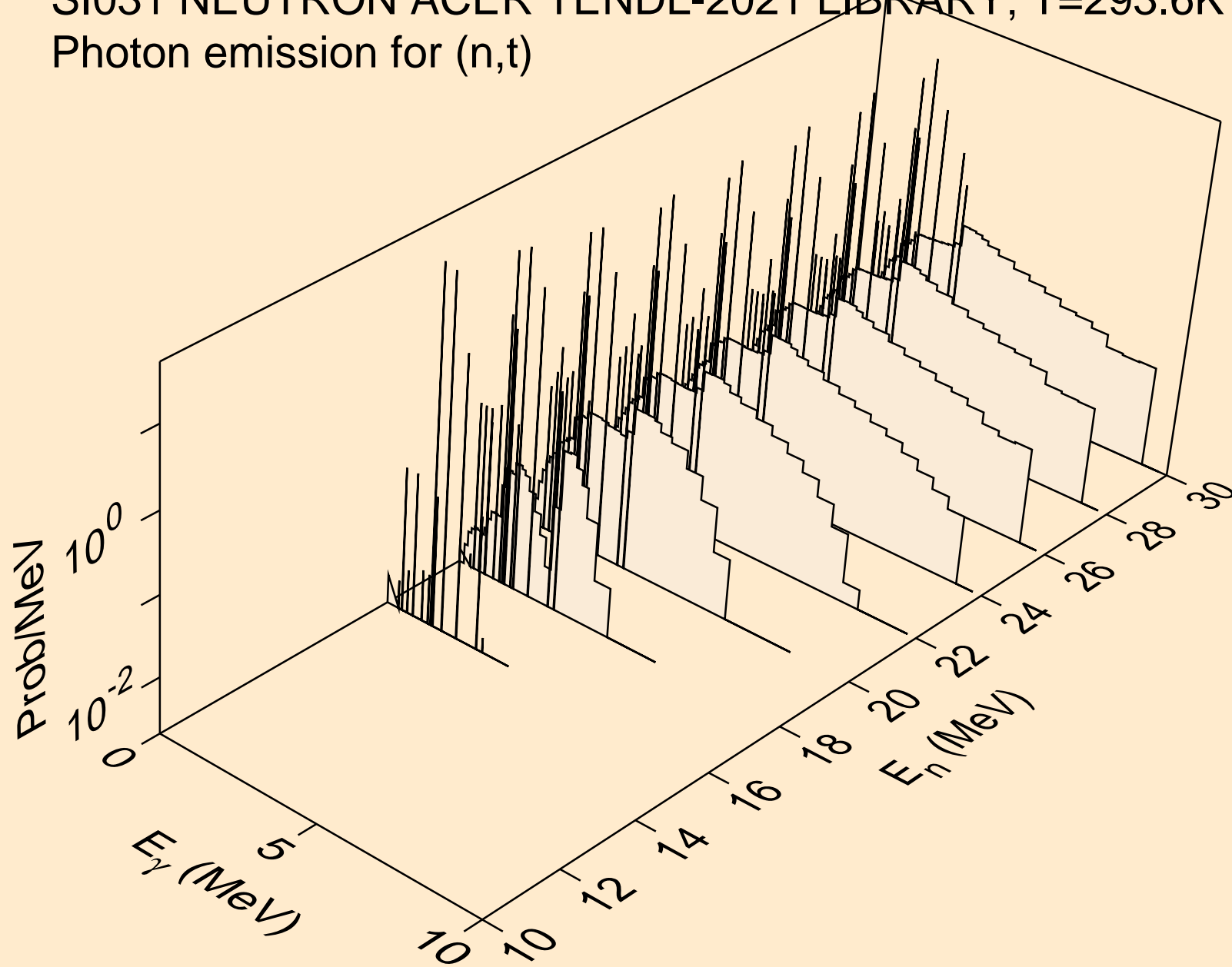




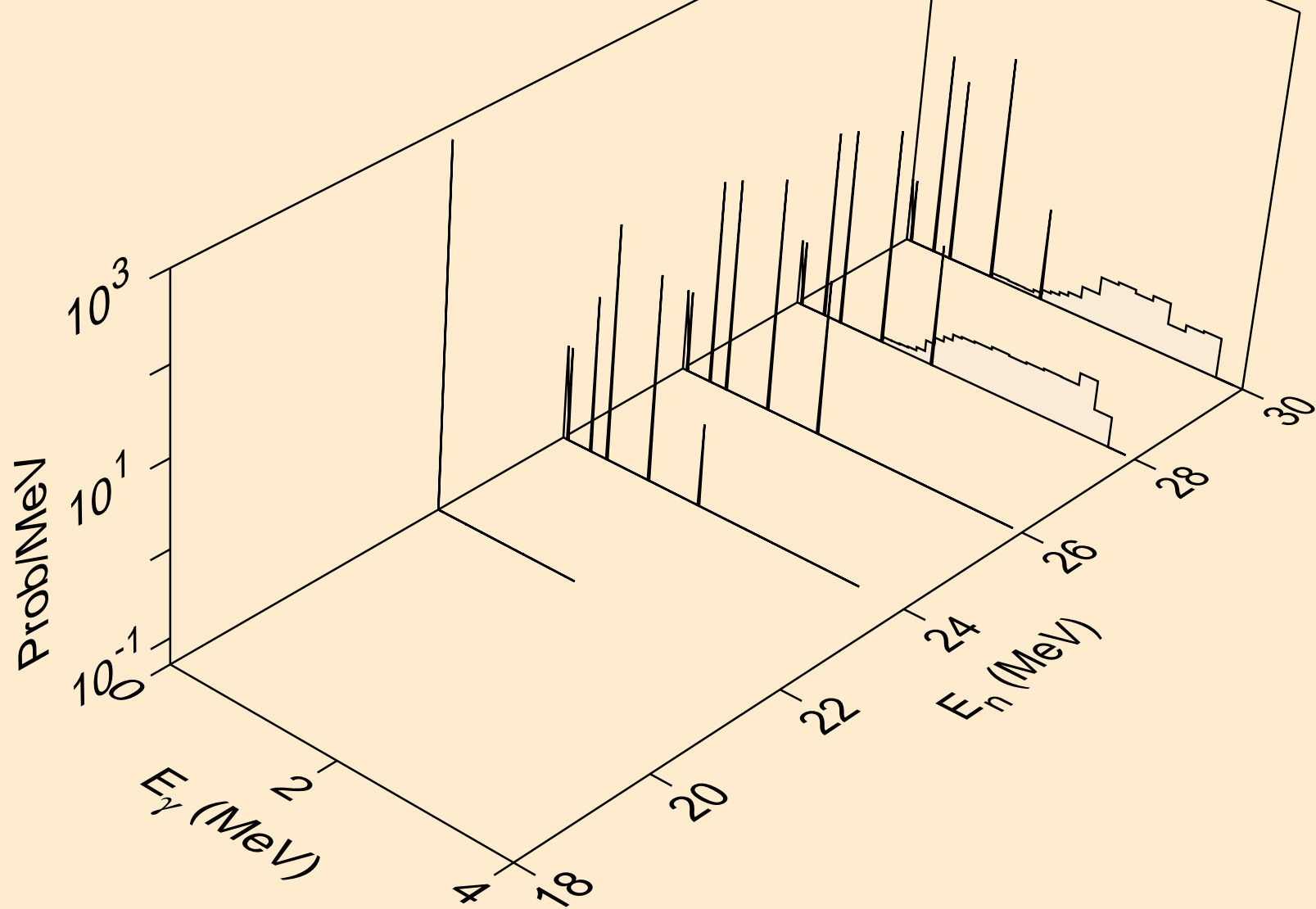
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Photon emission for (n,d)



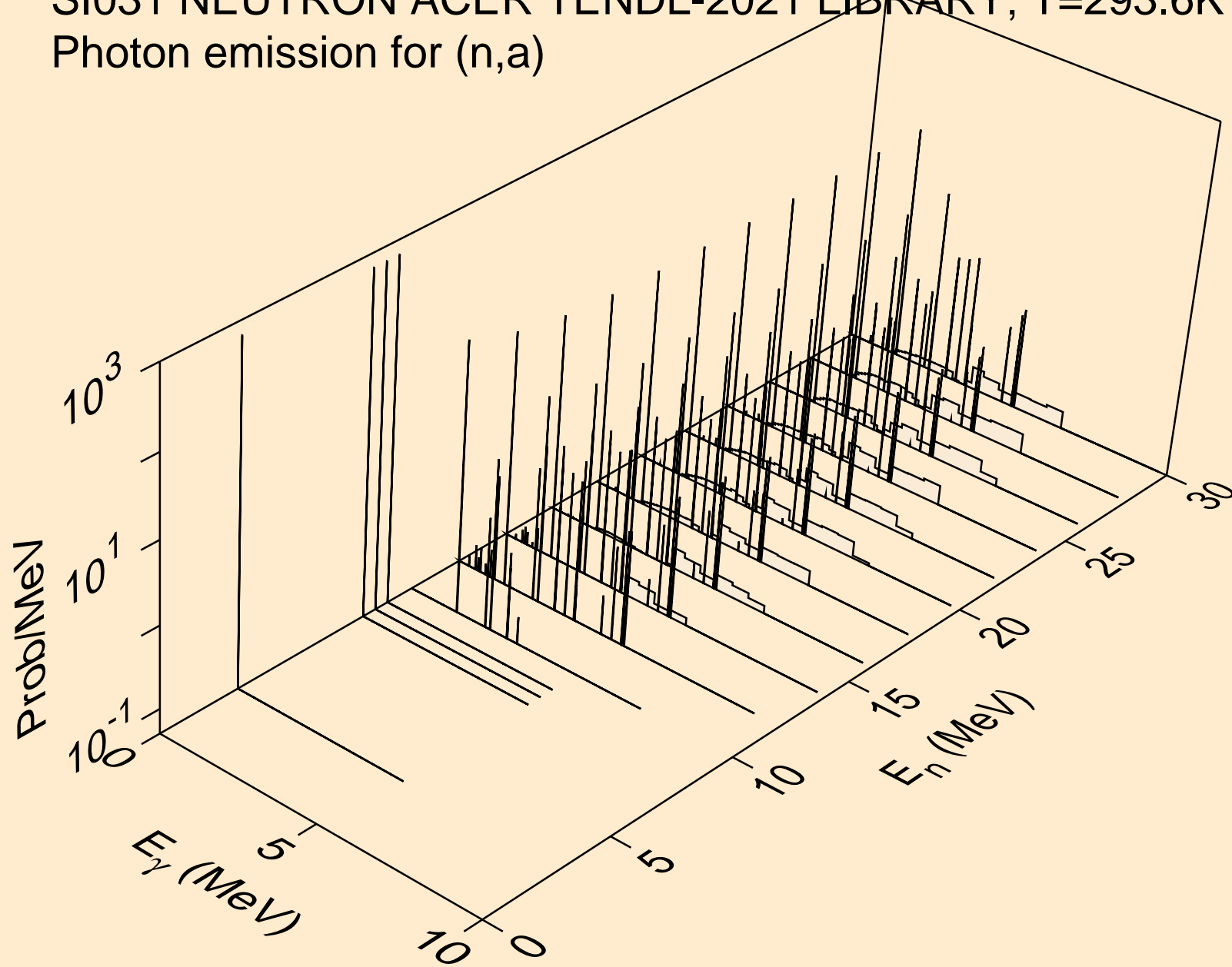
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Photon emission for (n,t)



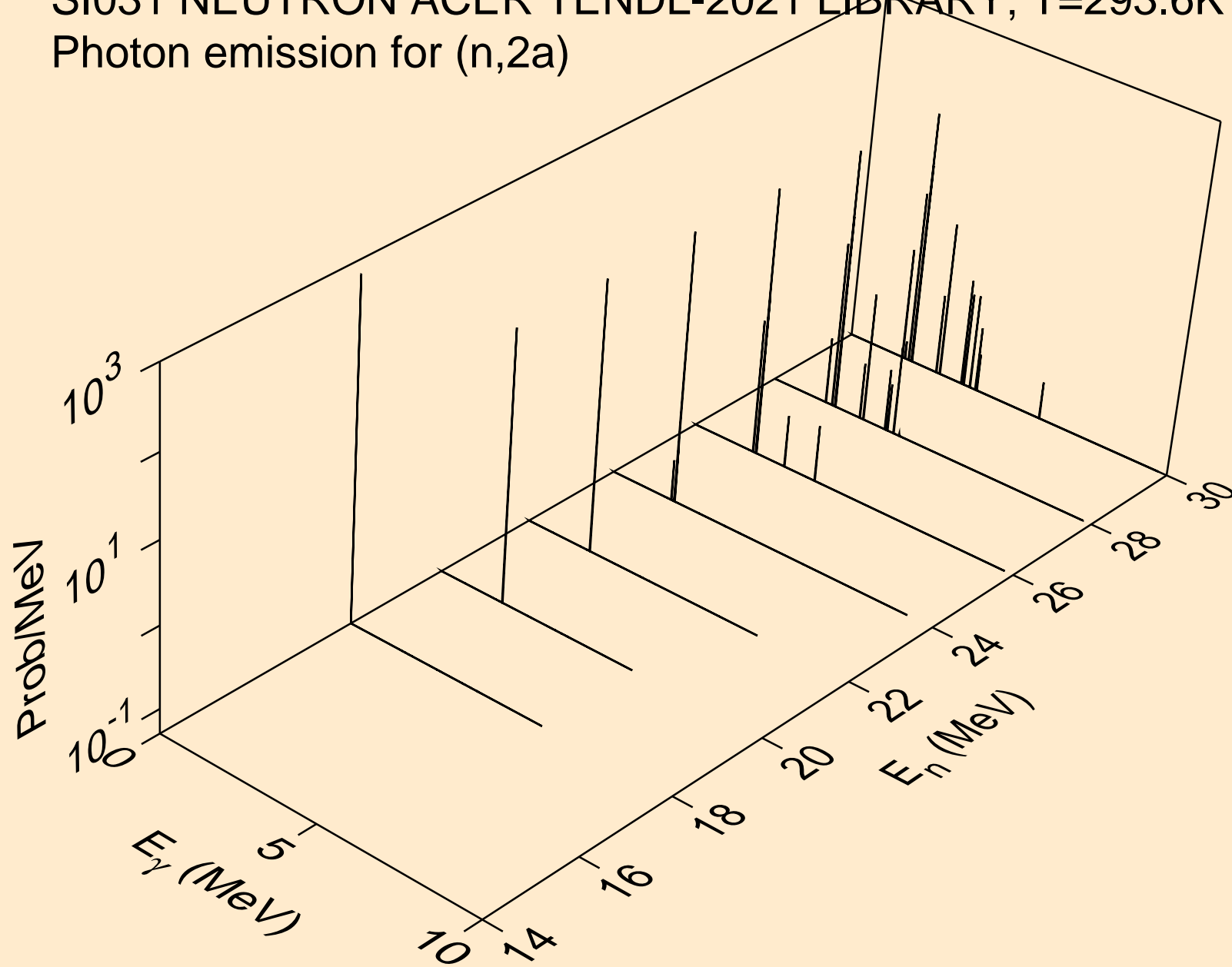
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Photon emission for (n,he3)



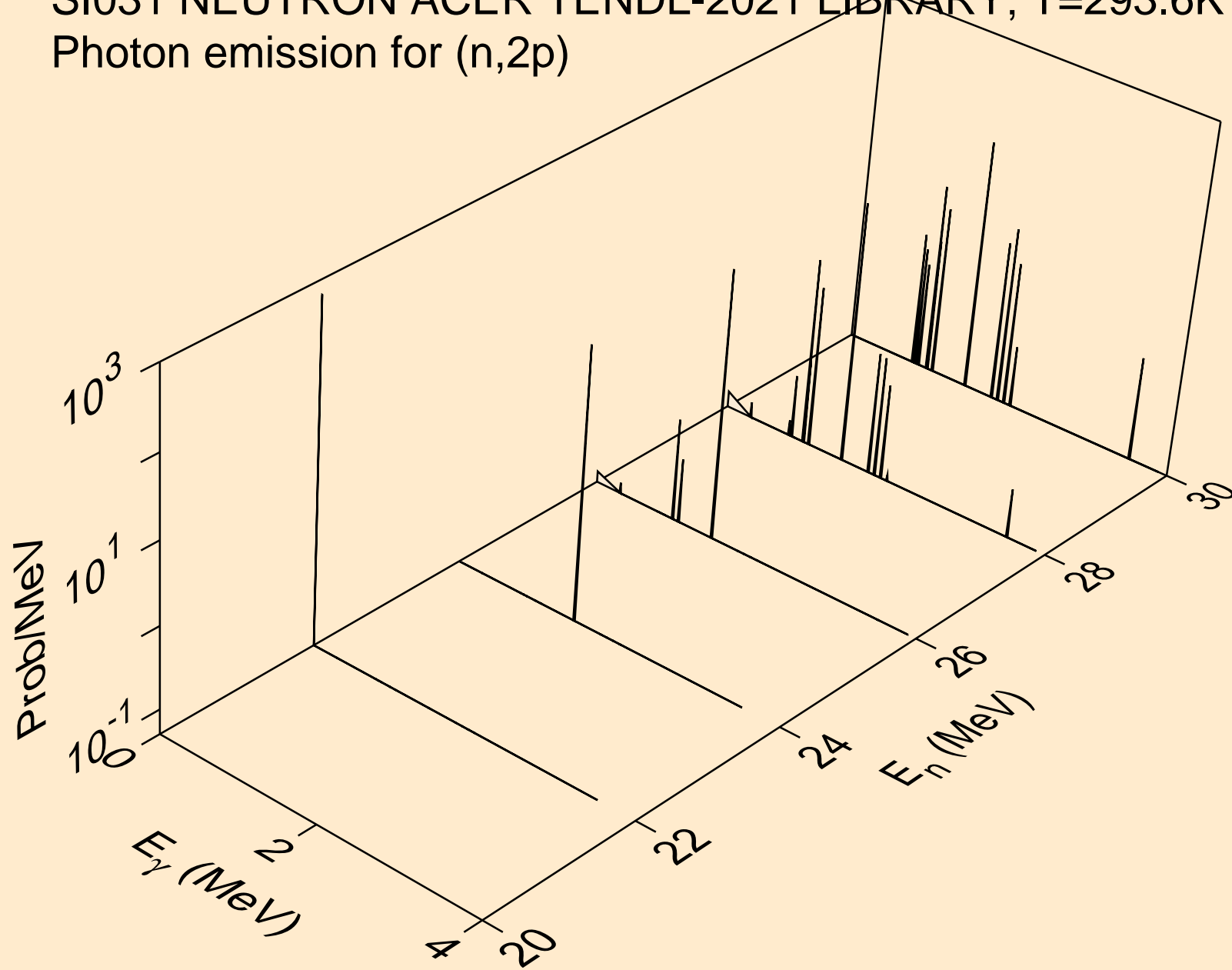
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Photon emission for (n,a)



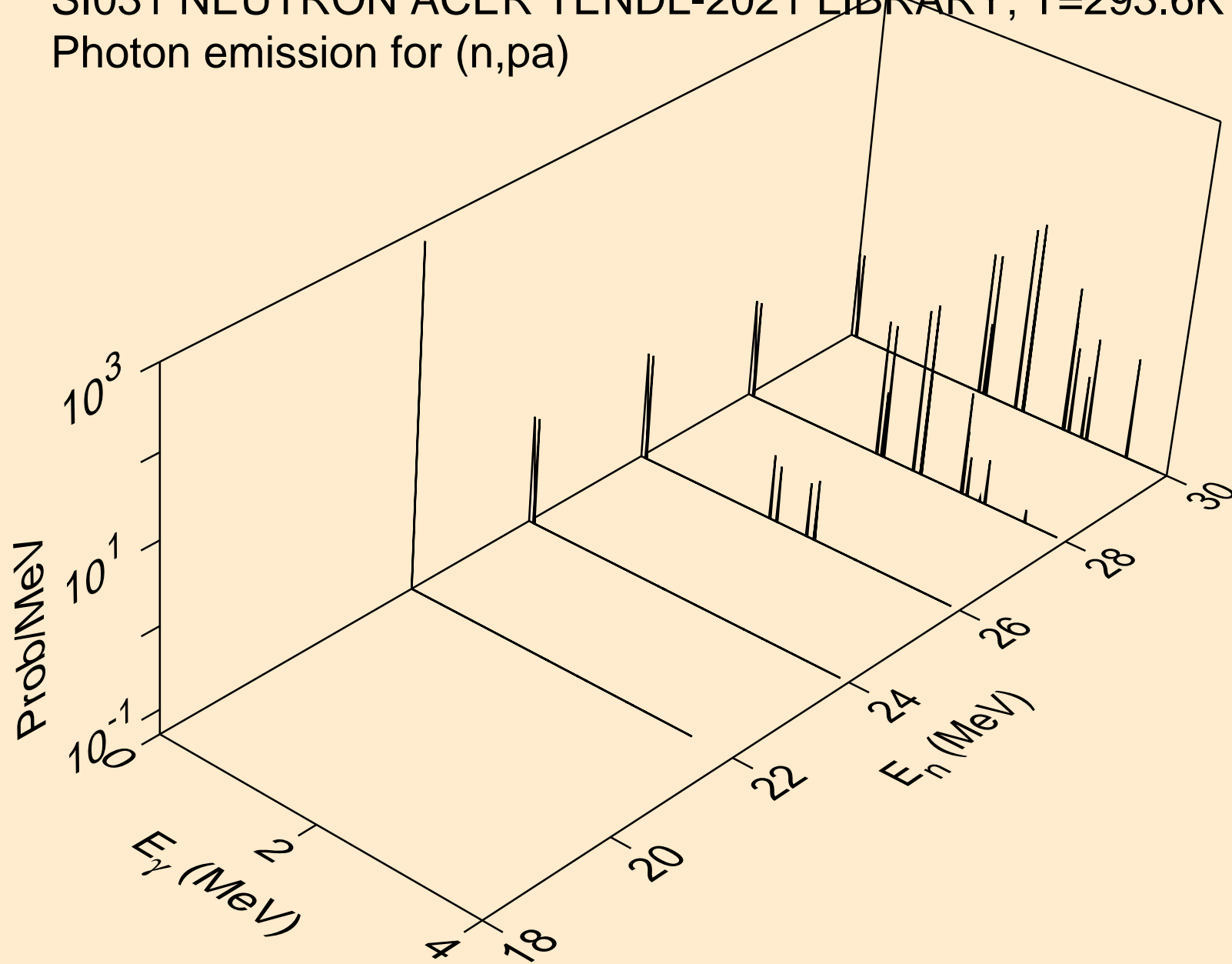
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Photon emission for (n,2a)



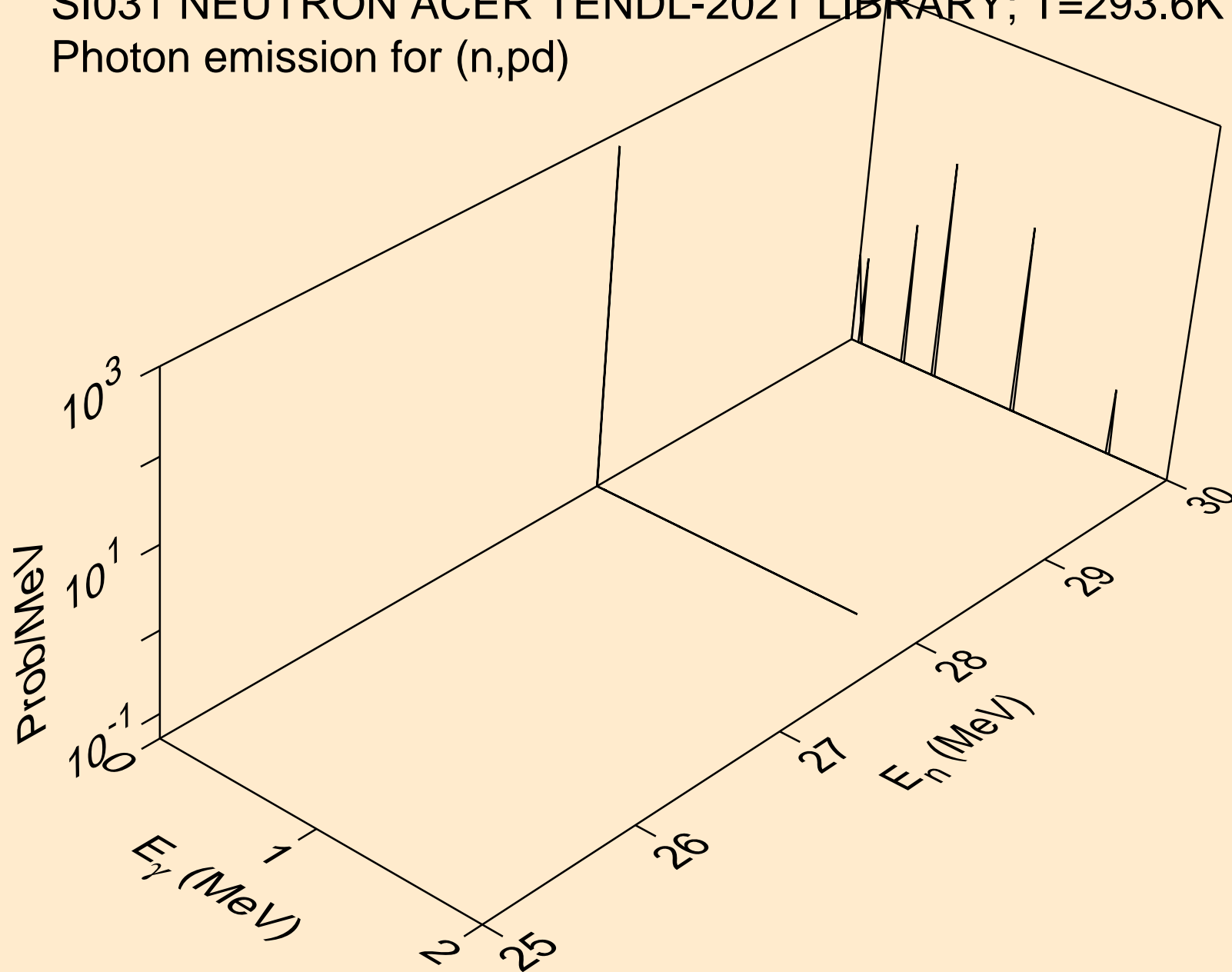
SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2p)



SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,p)

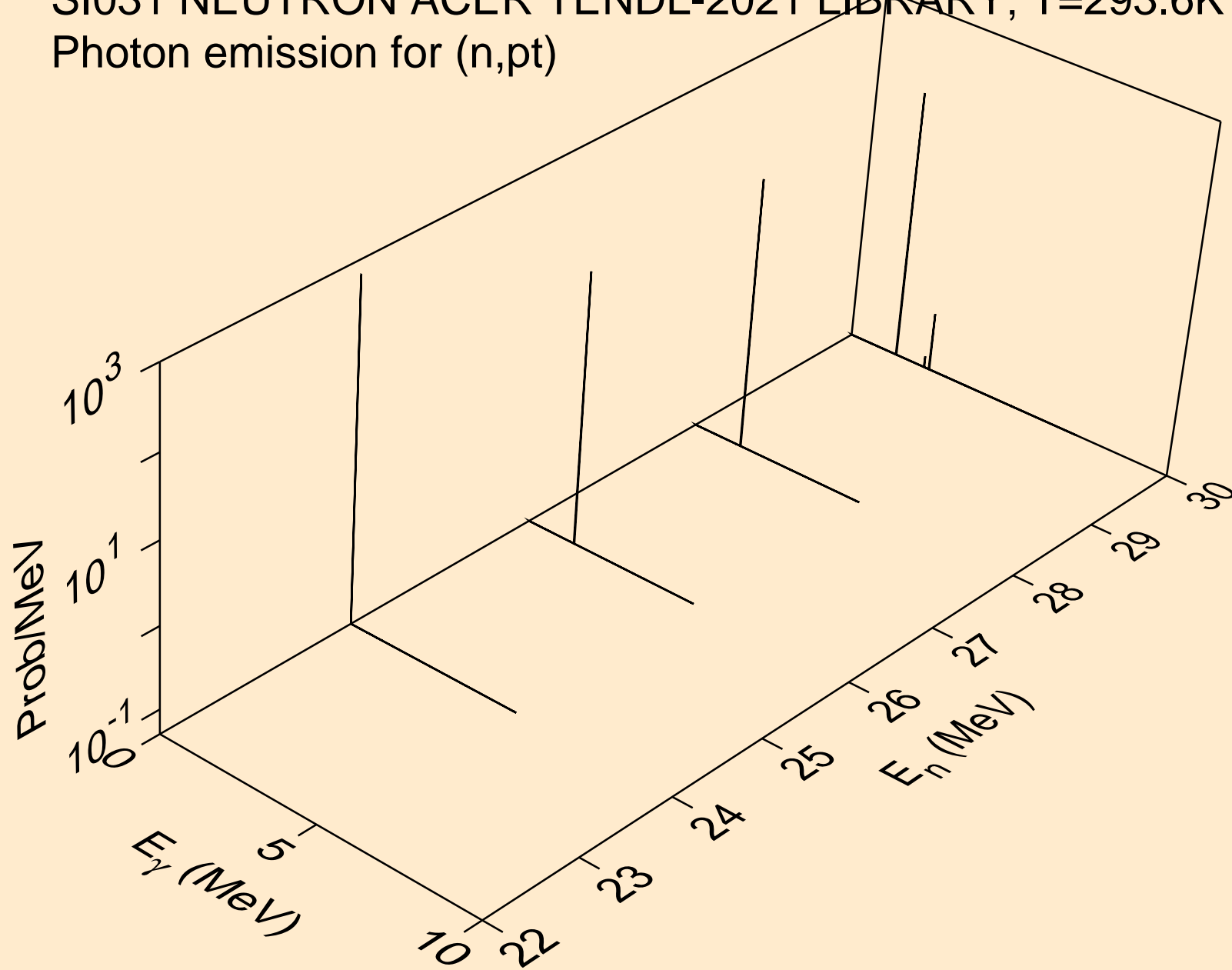


SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,pd)

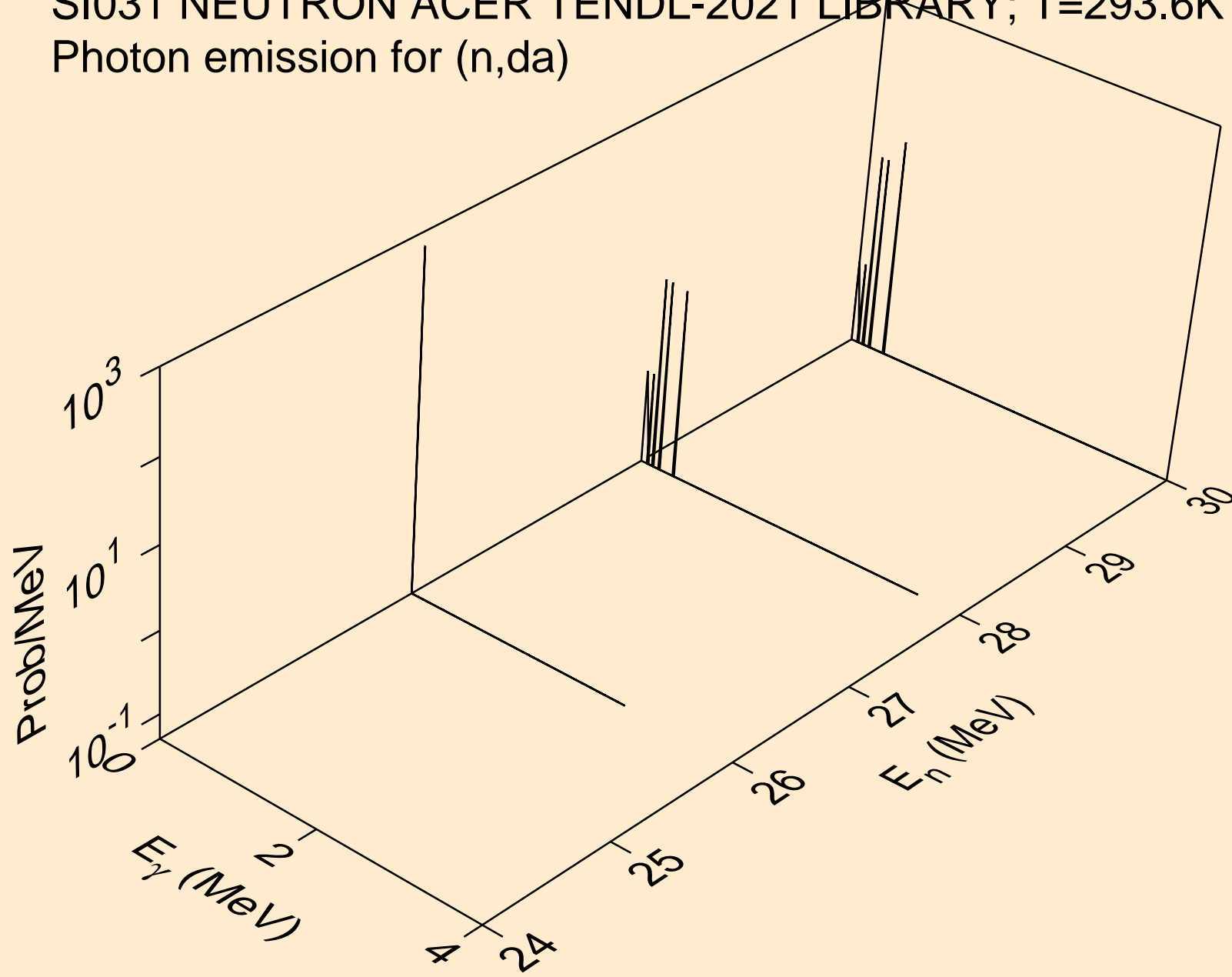




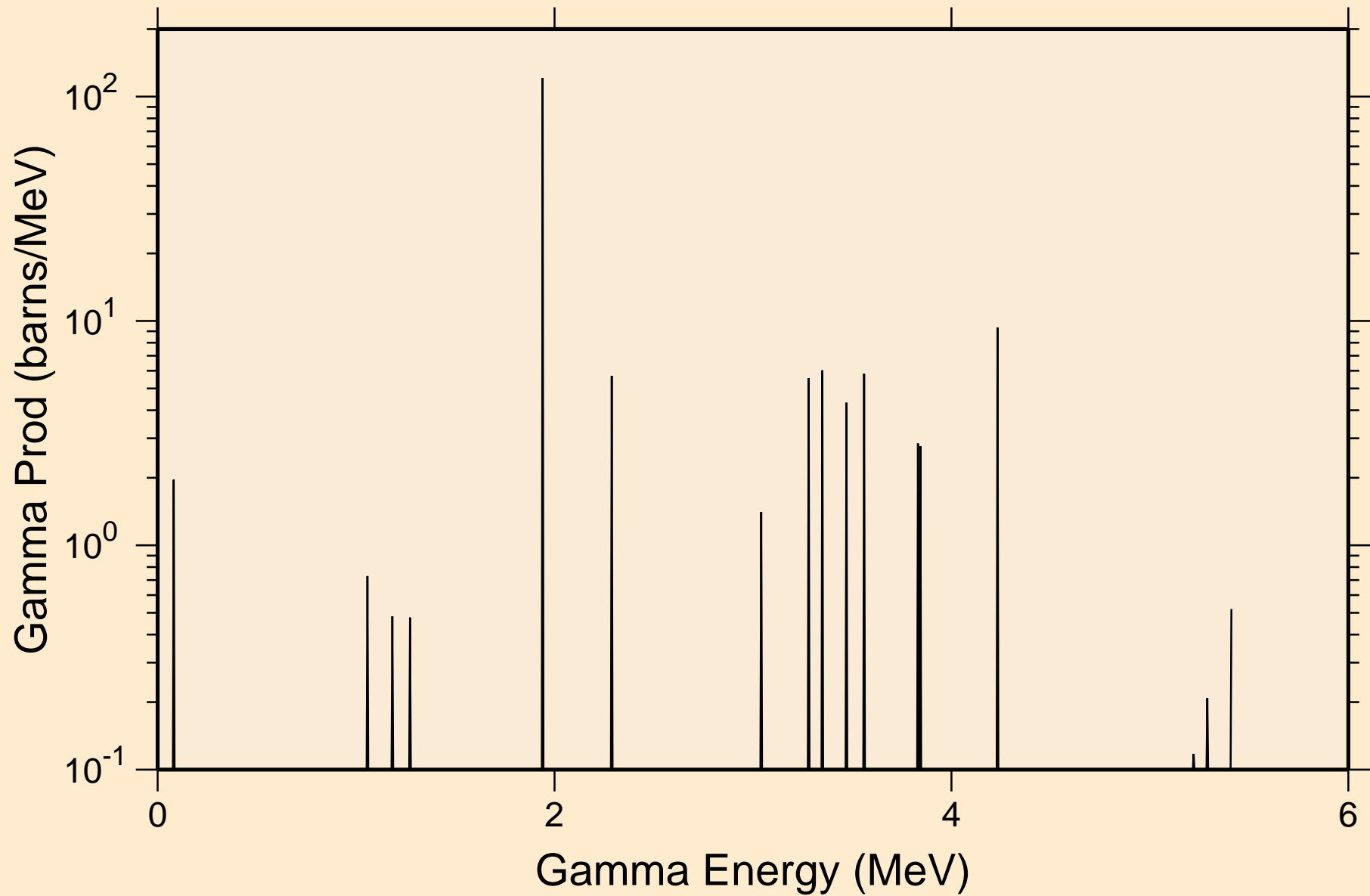
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Photon emission for (n,pt)



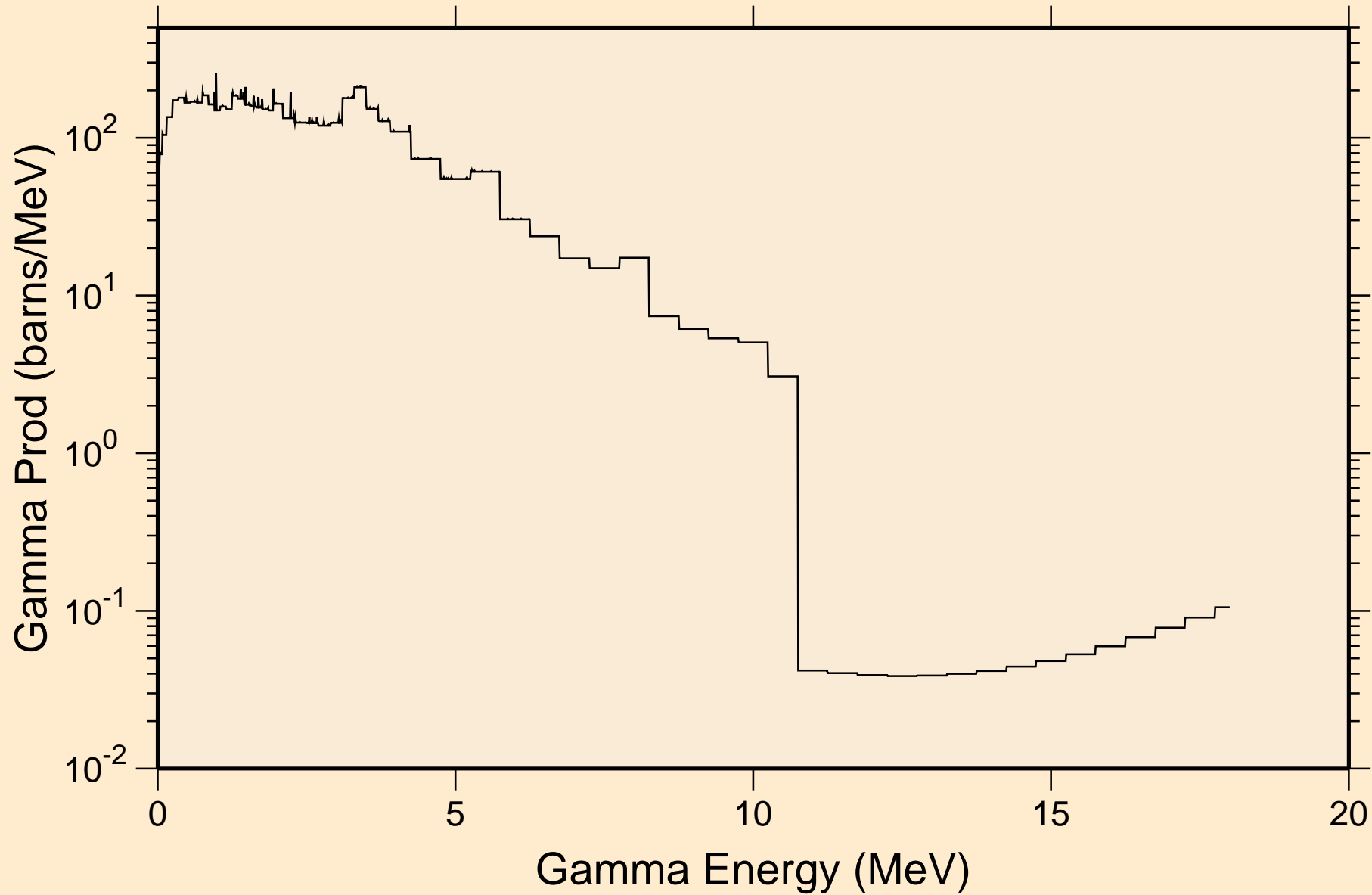
SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,da)



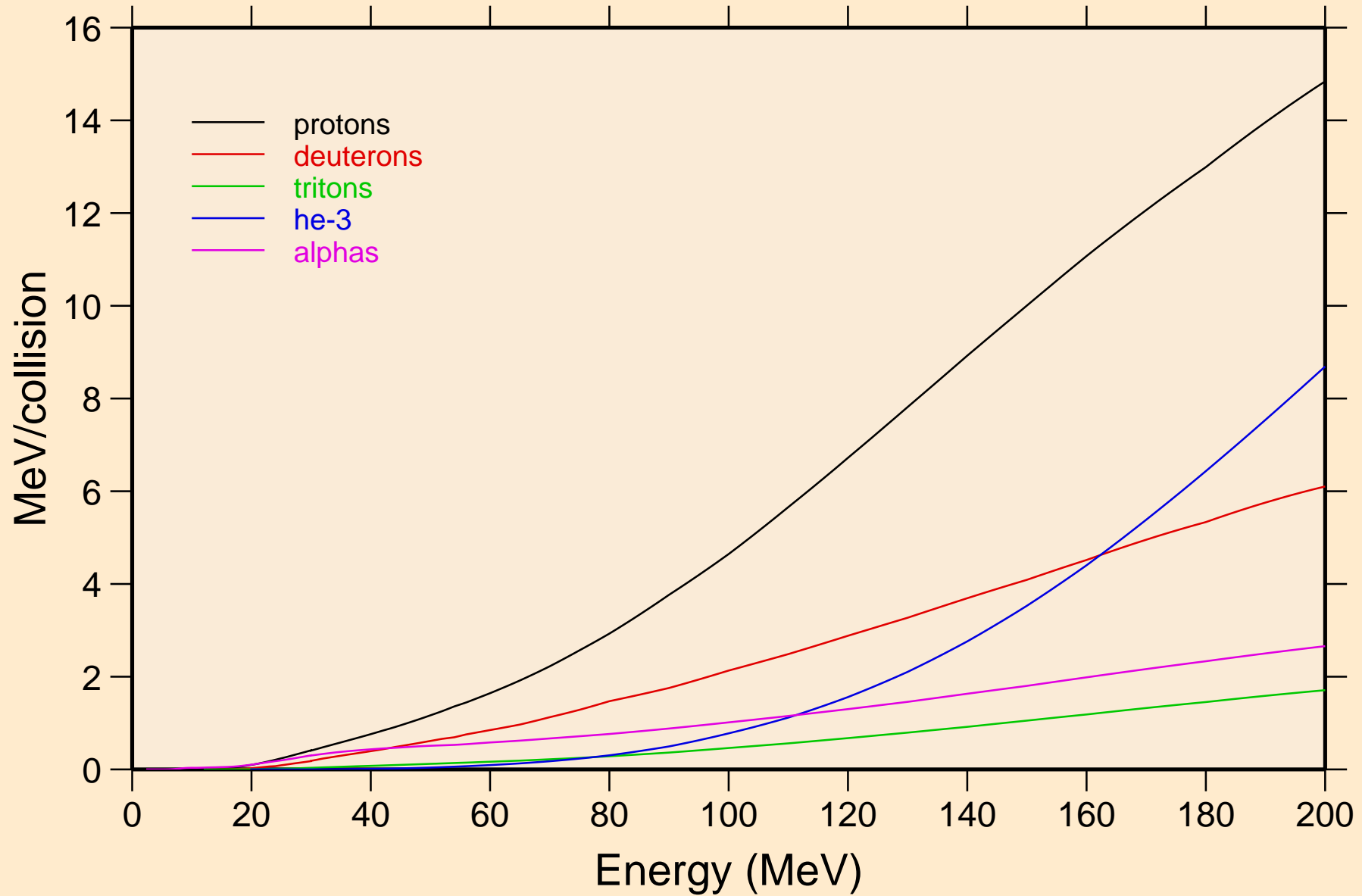
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thermal capture photon spectrum



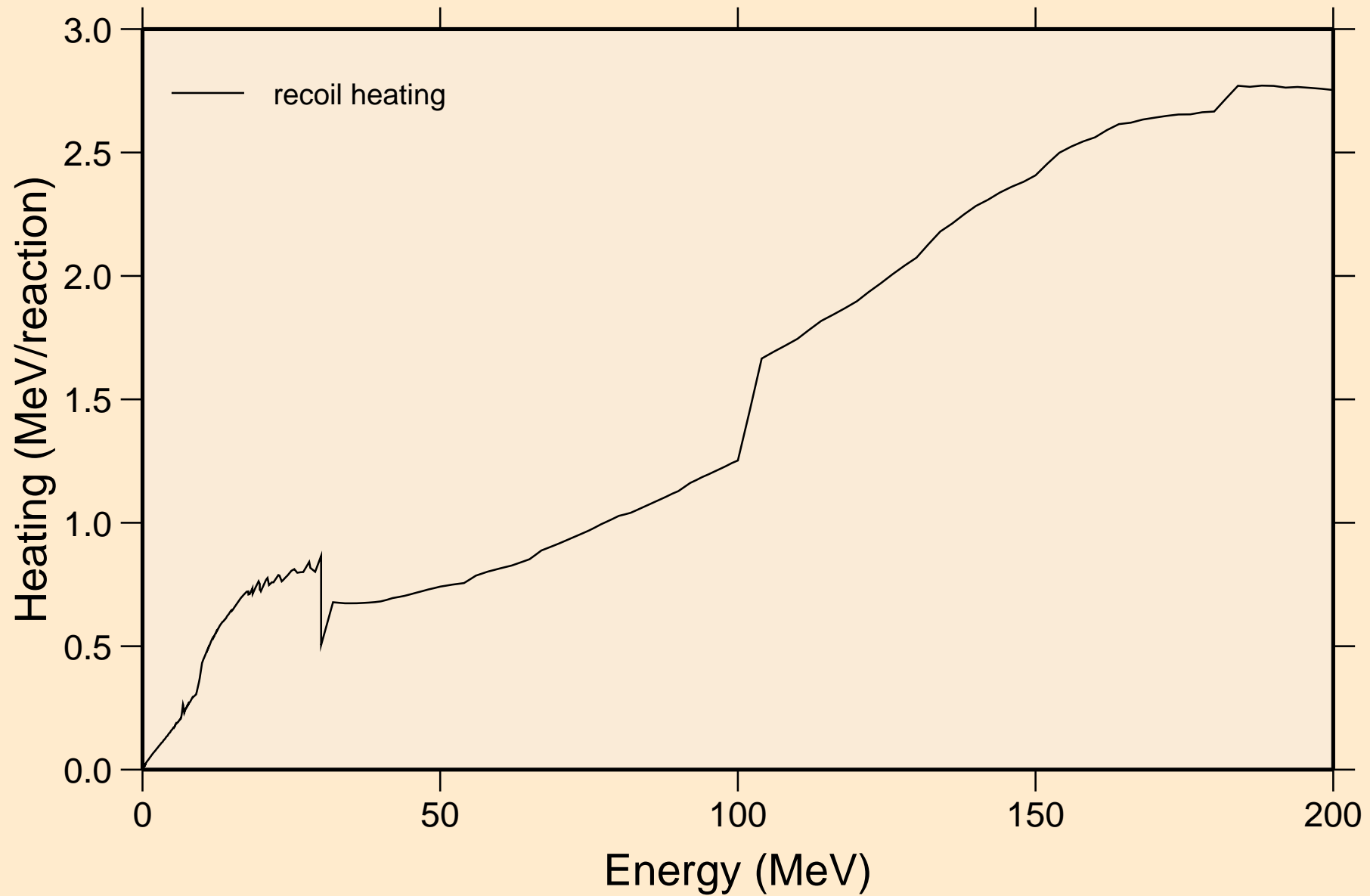
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14 MeV photon spectrum



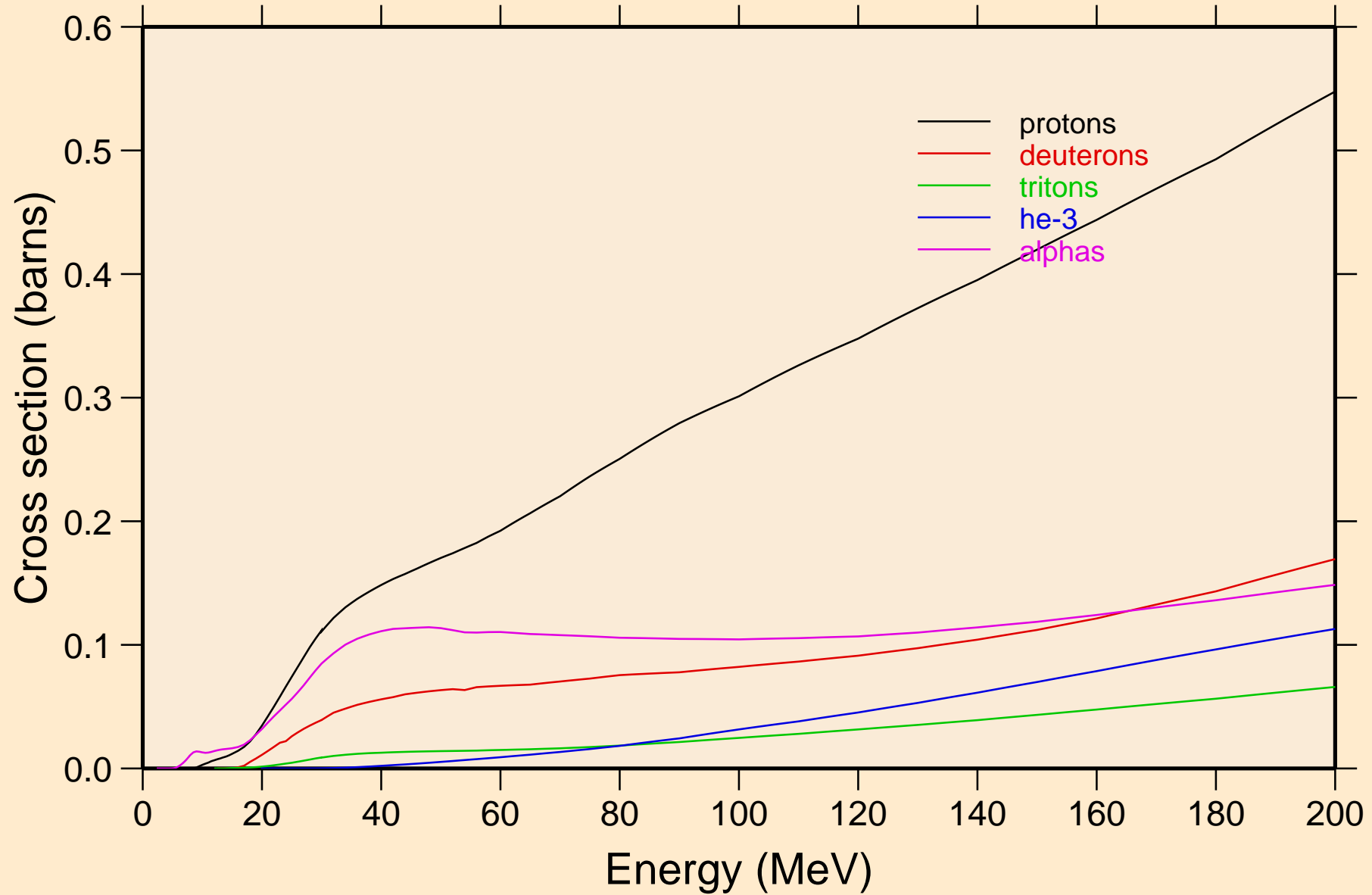
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Particle heating contributions



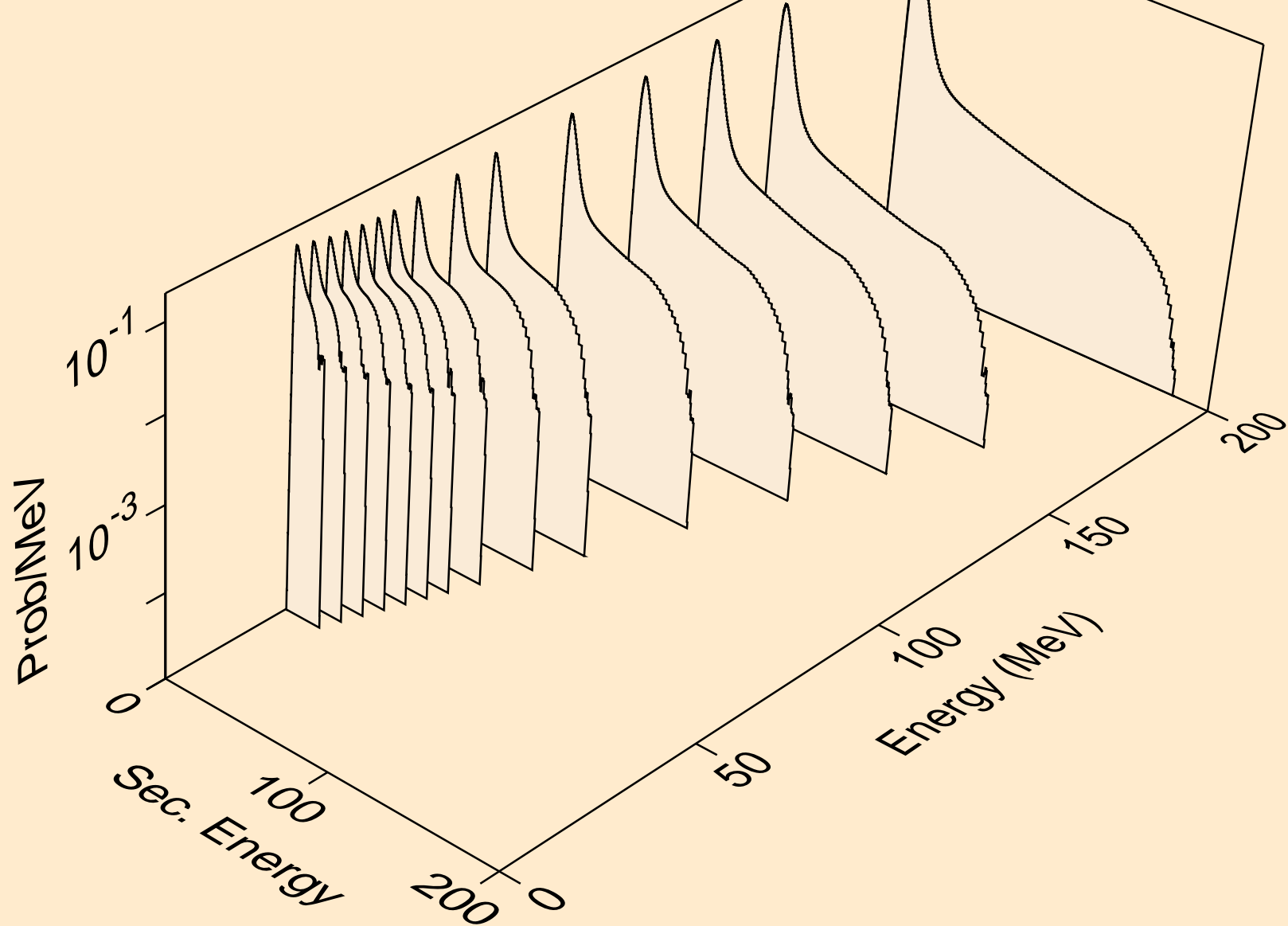
SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Recoil Heating



SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Particle production cross sections

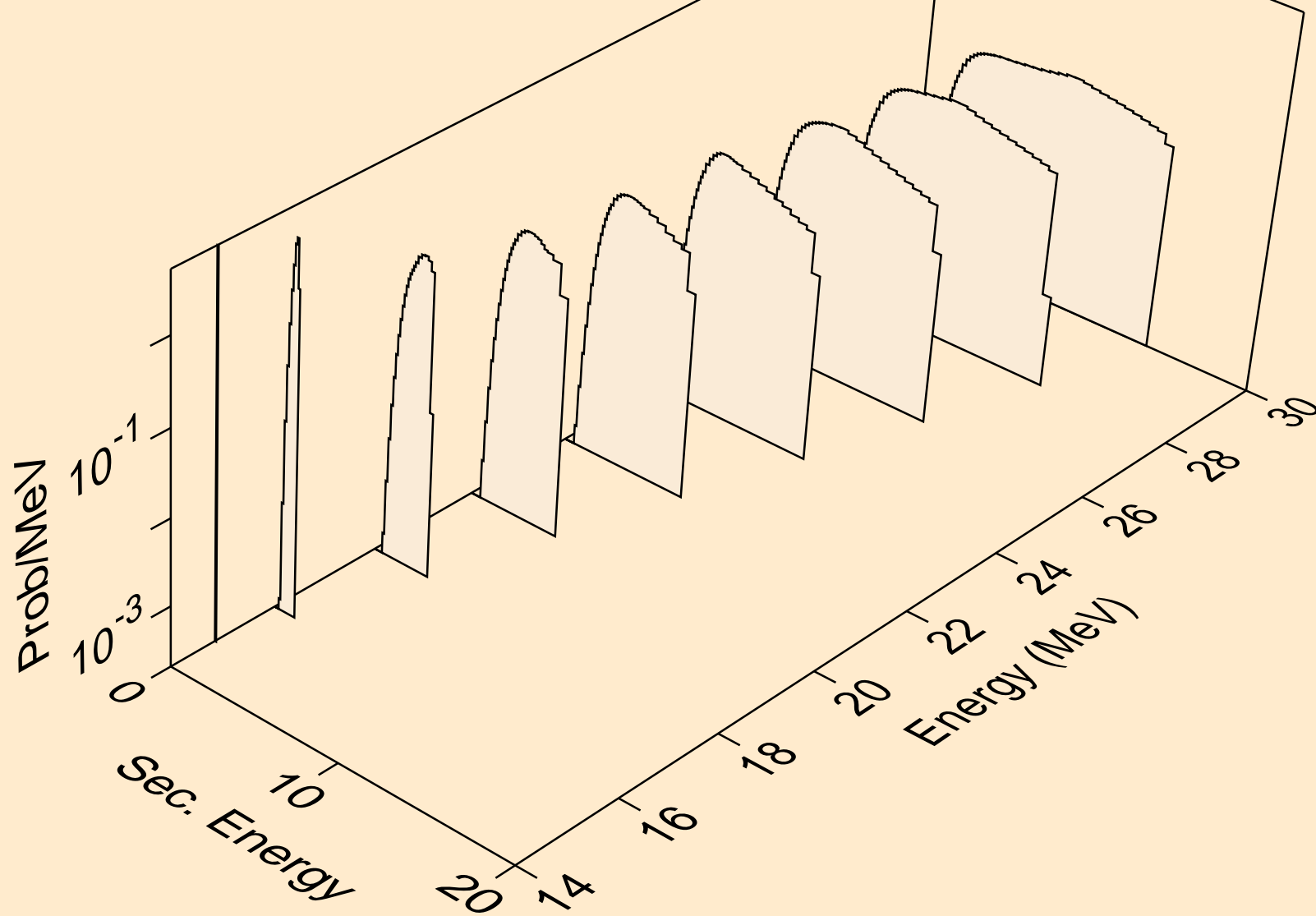


SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,x)

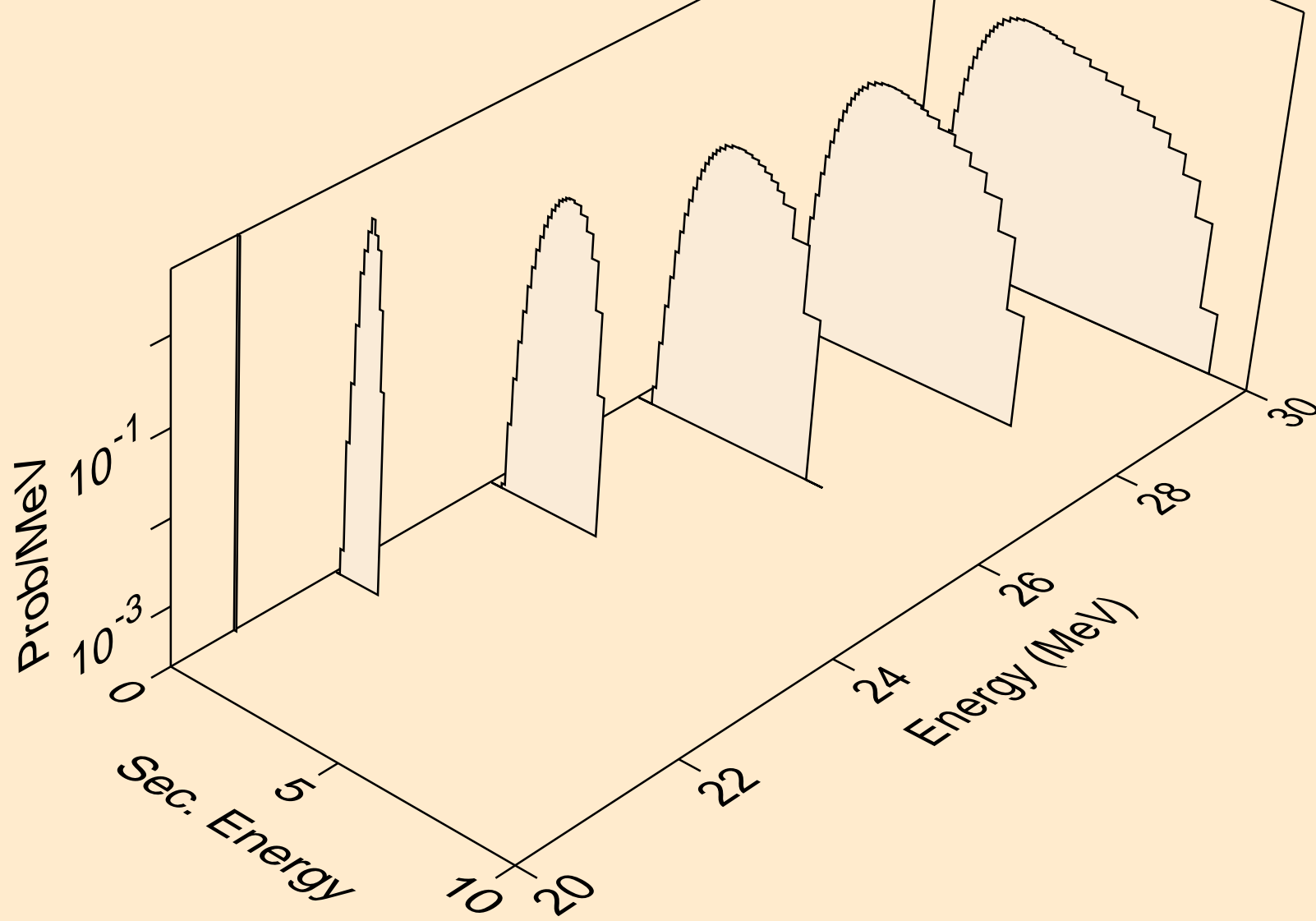




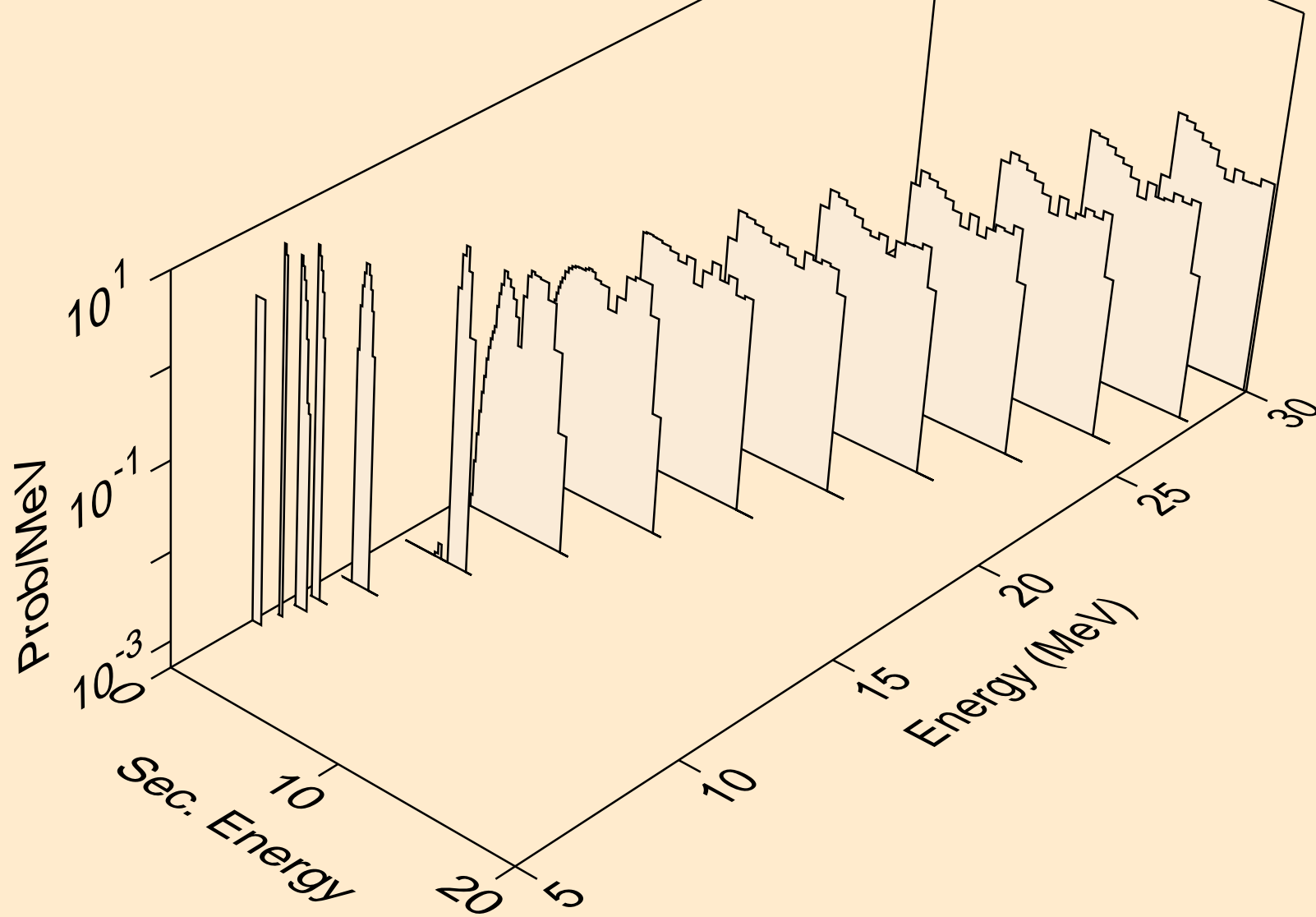
SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,n\*)p



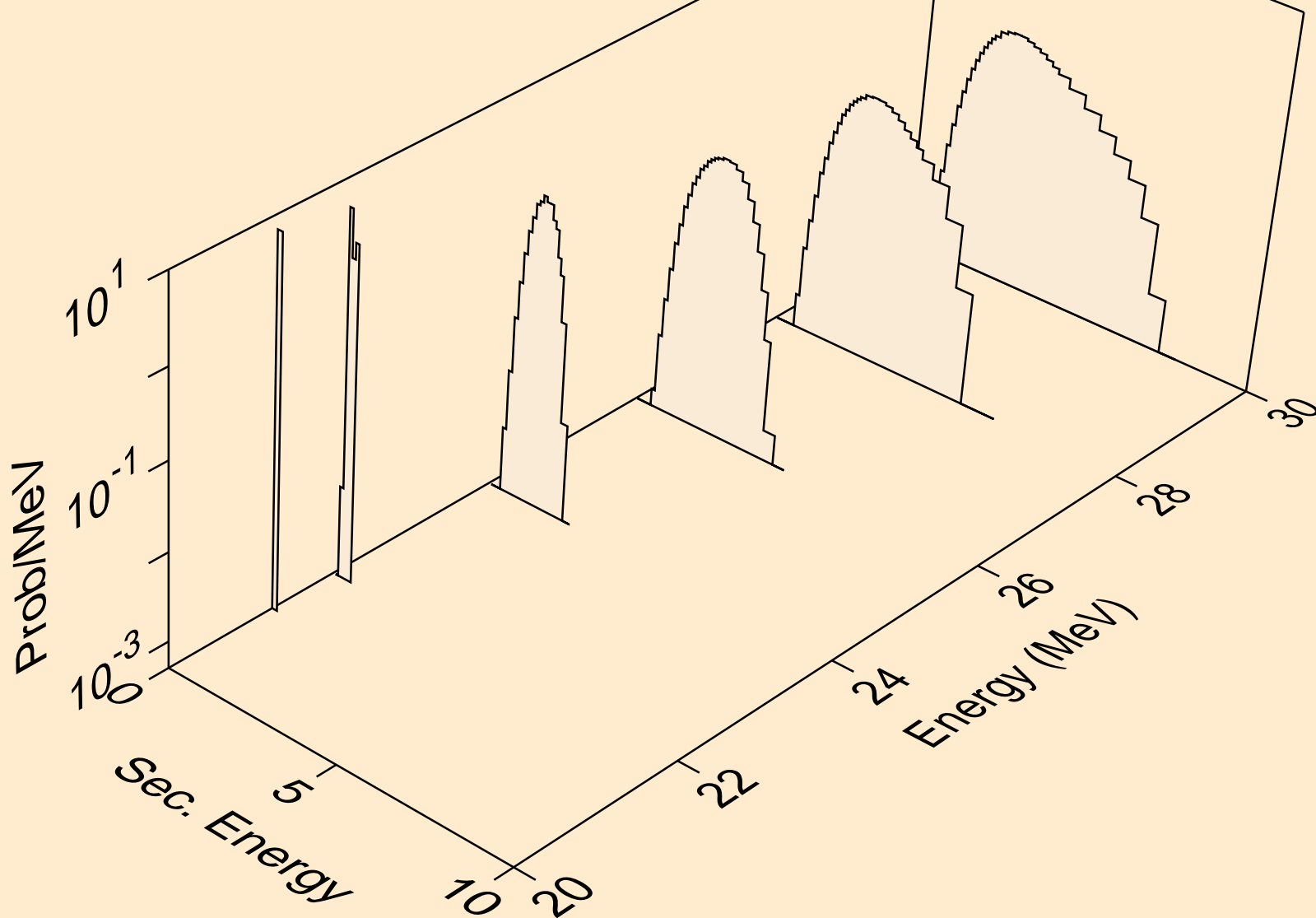
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protons from (n,2np)



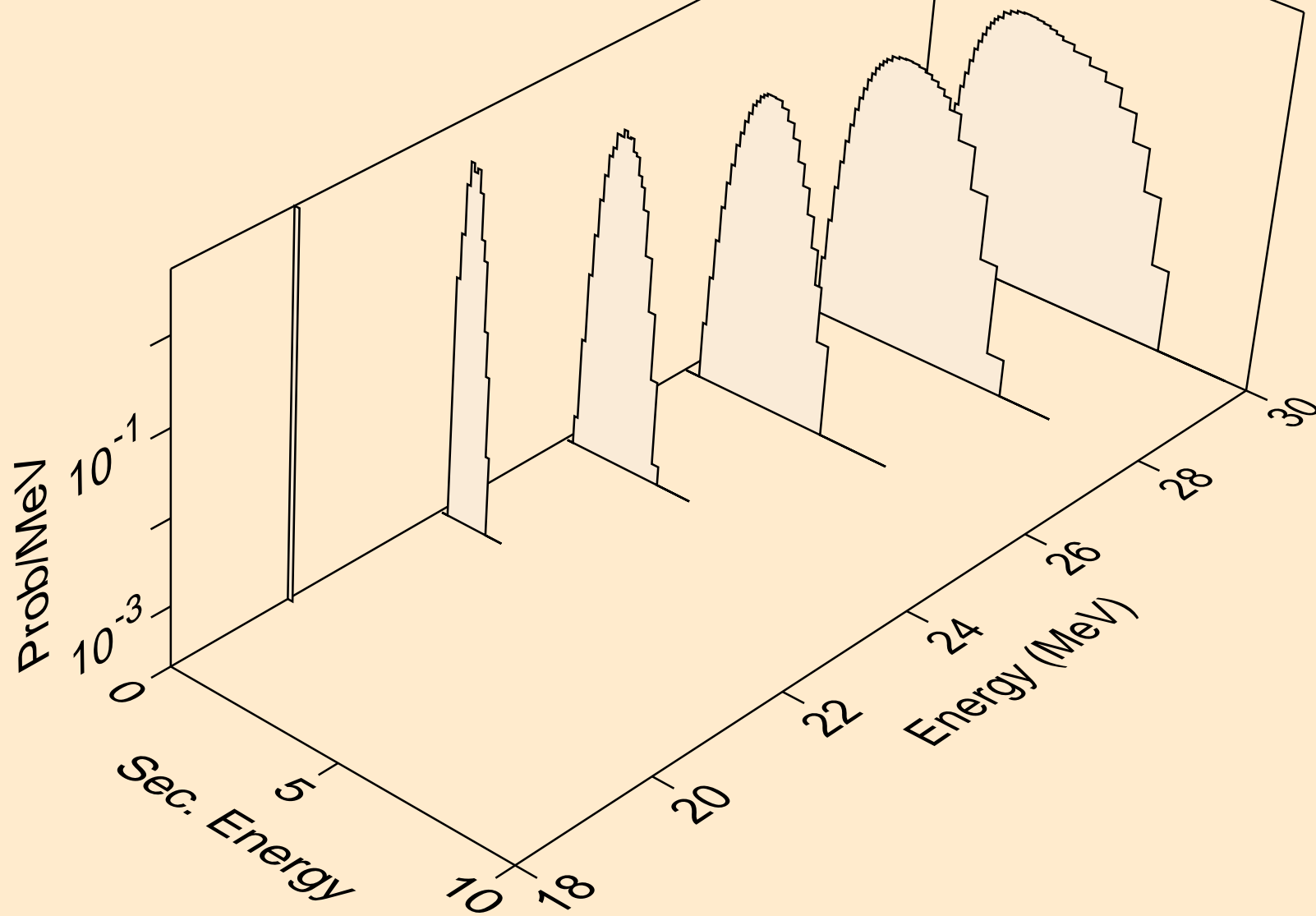
SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,p)



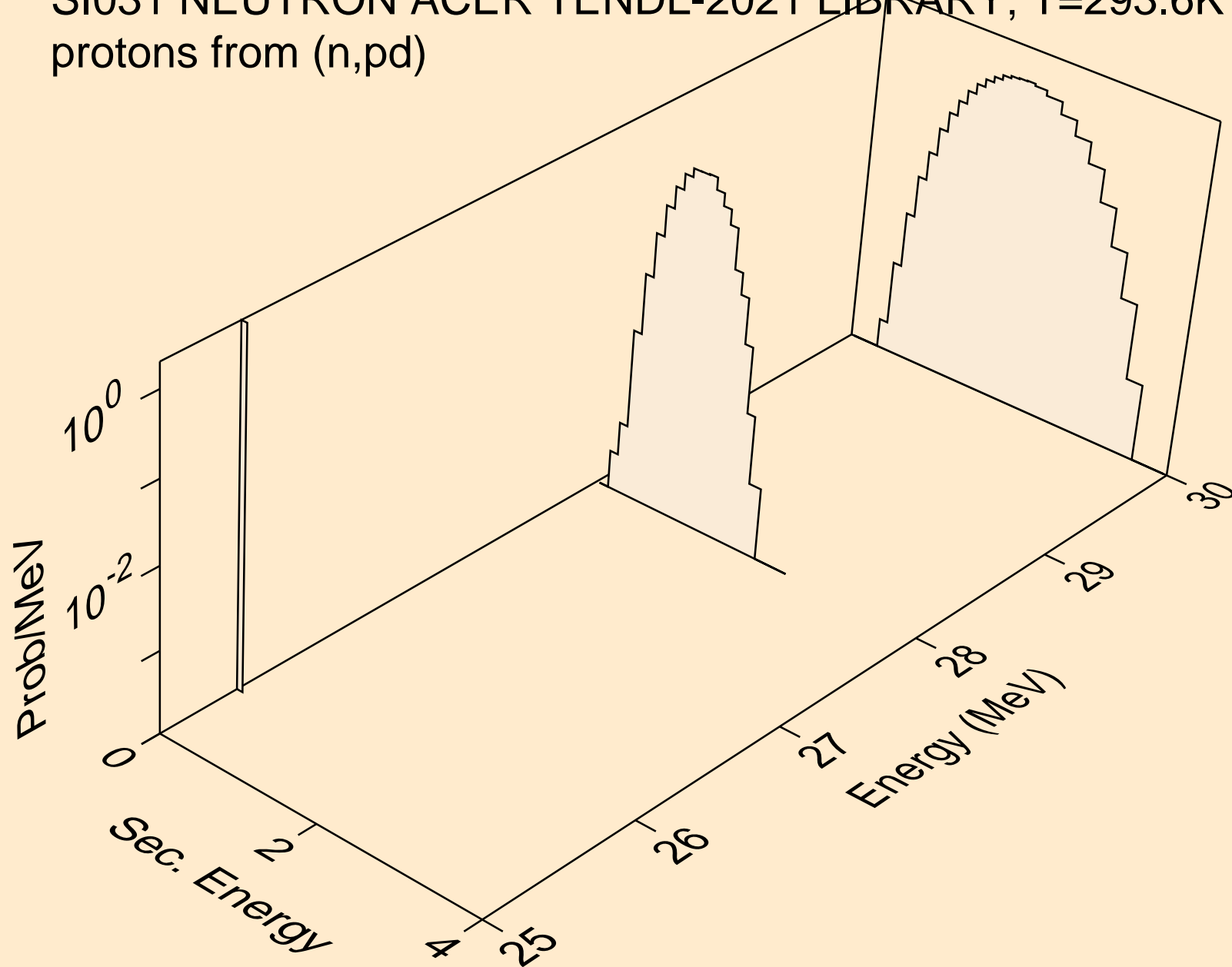
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protons from (n,2p)



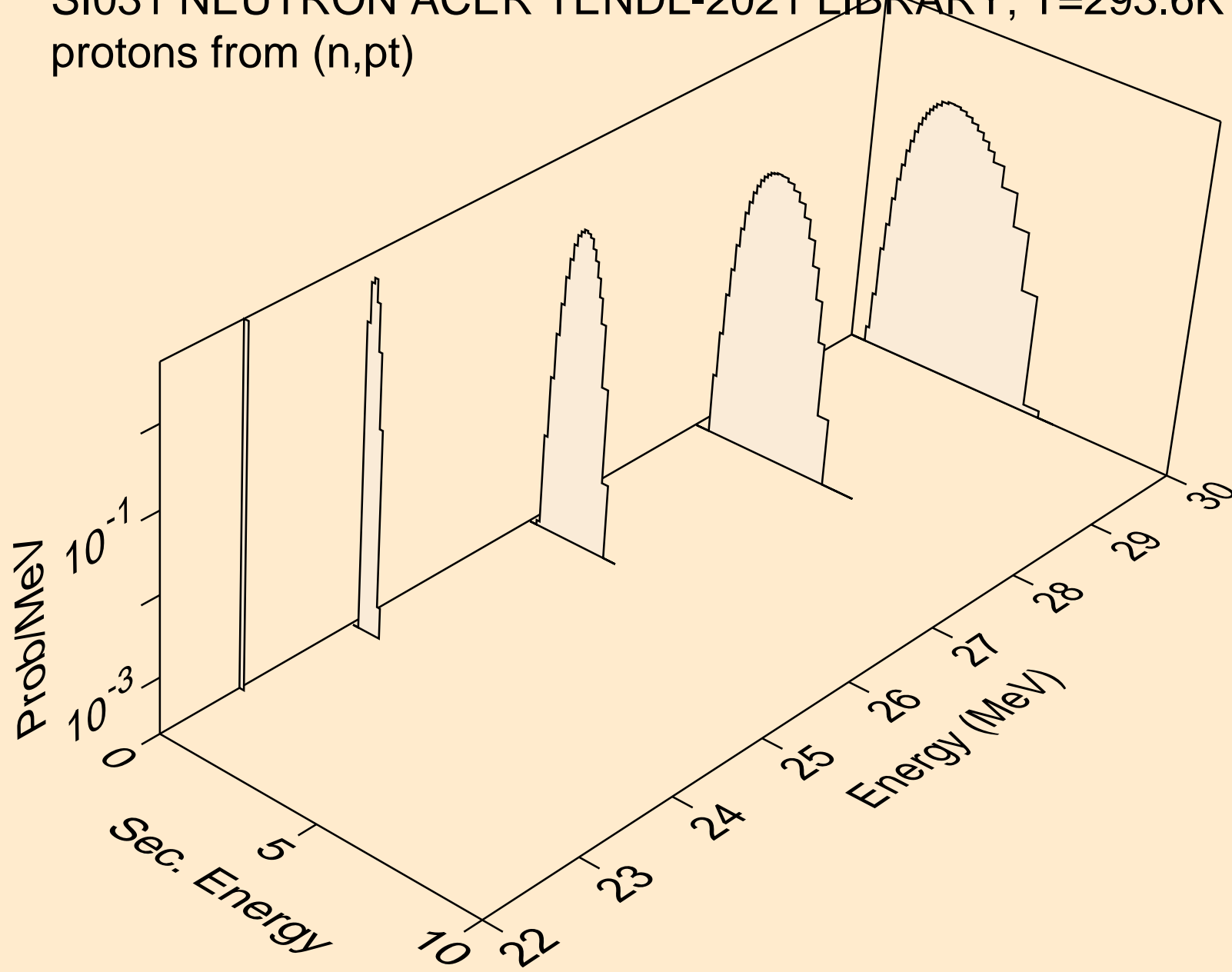
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protons from (n,p)



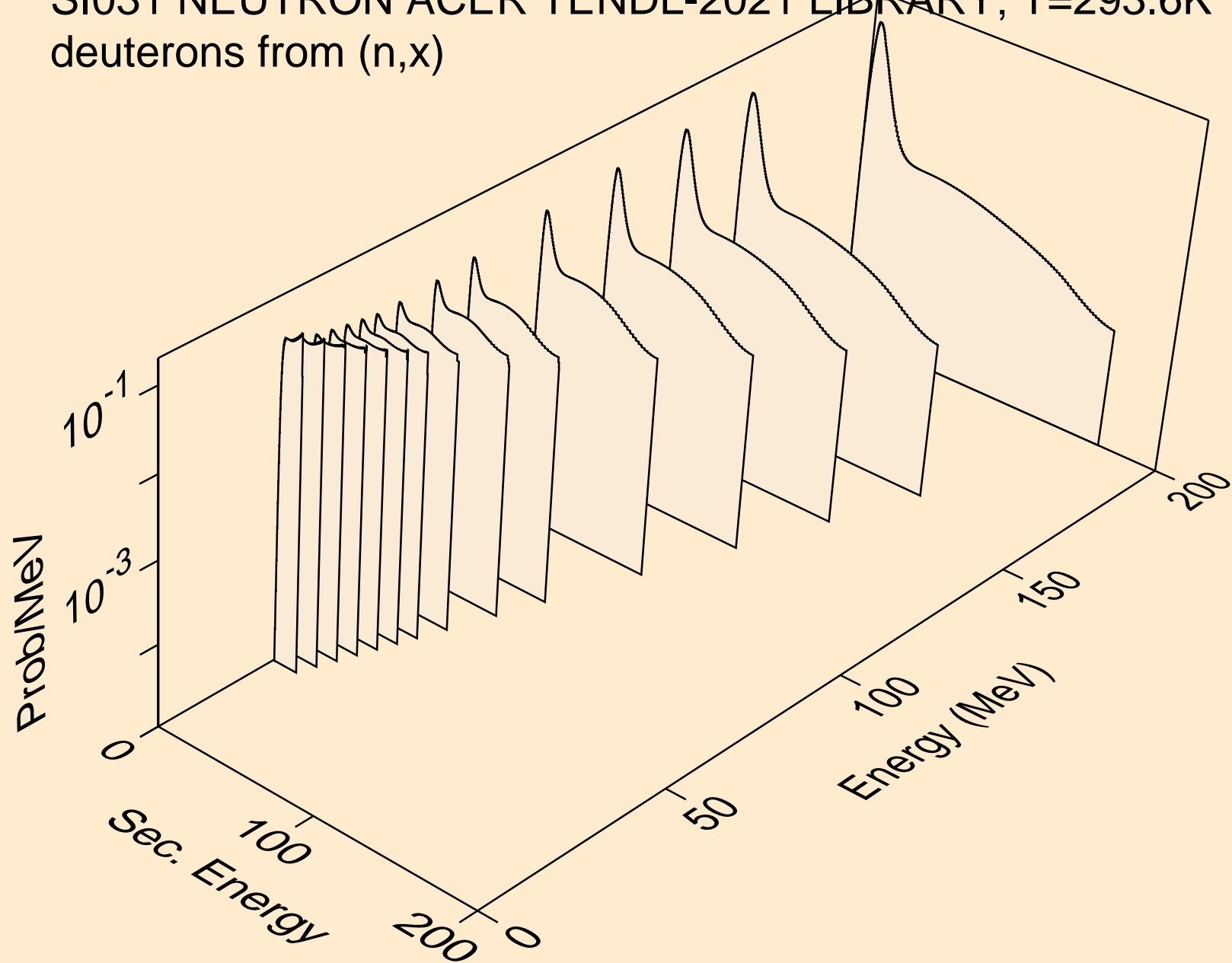
SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,pd)



SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,pt)

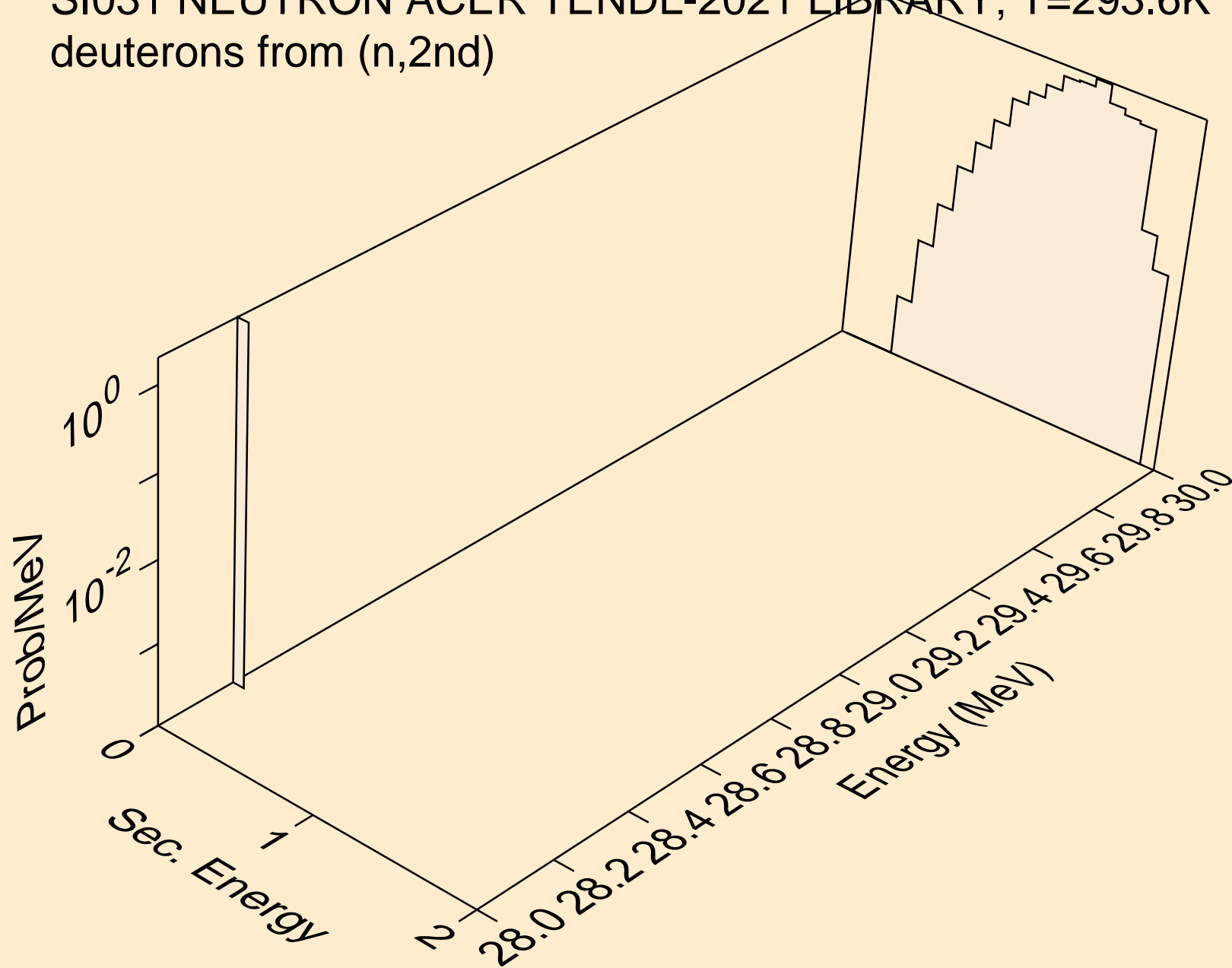


SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,x)

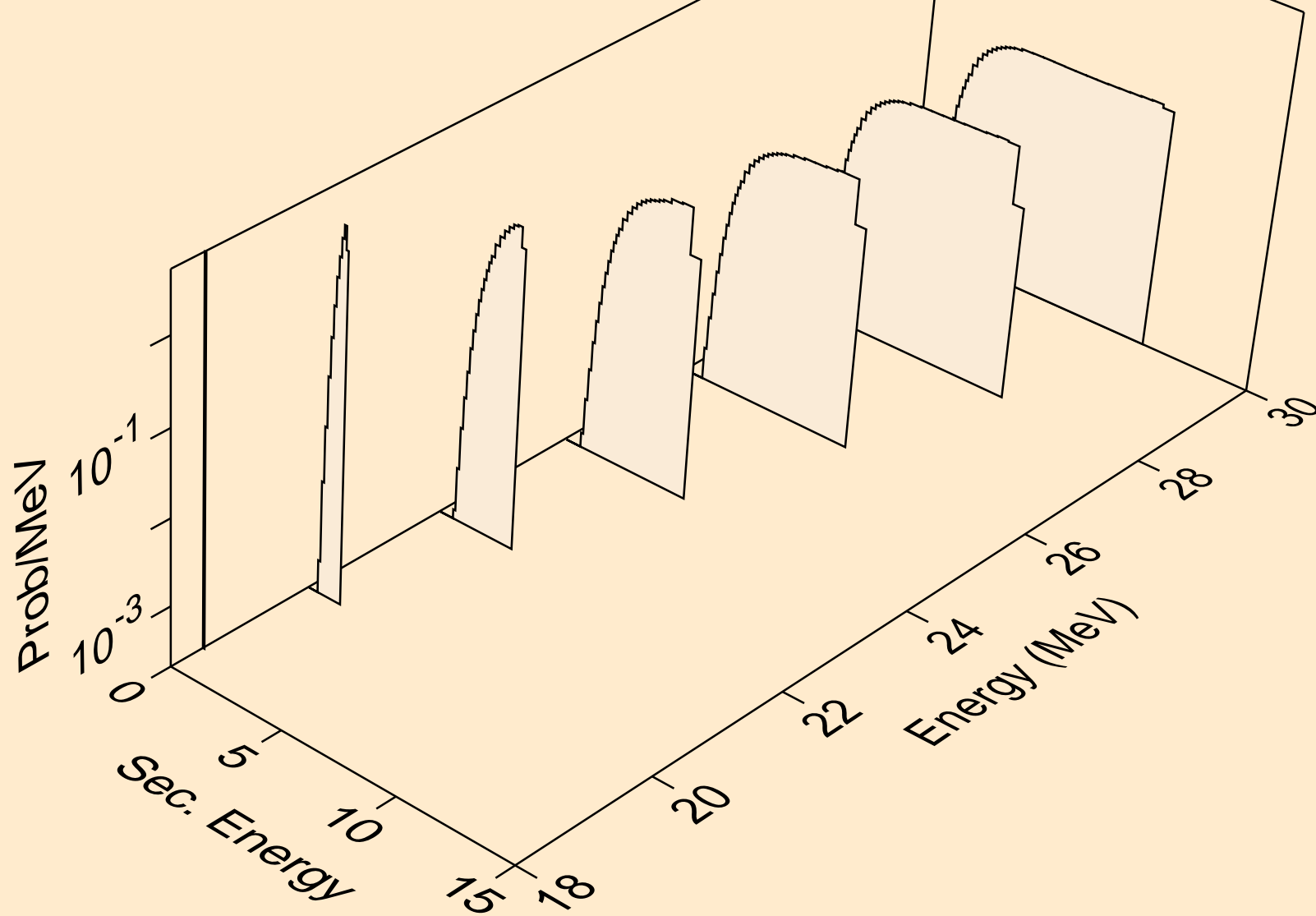




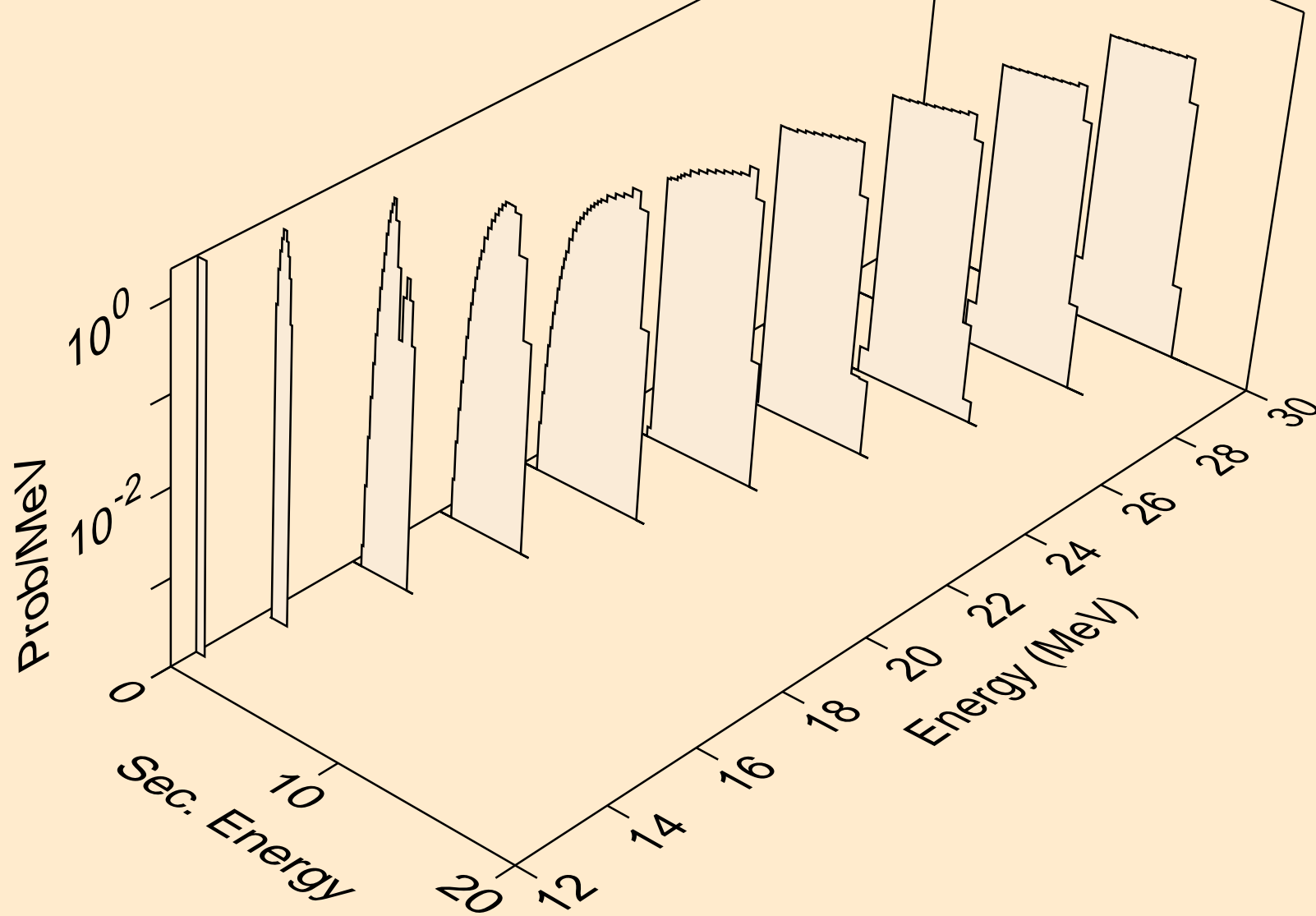
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deuterons from (n,2nd)



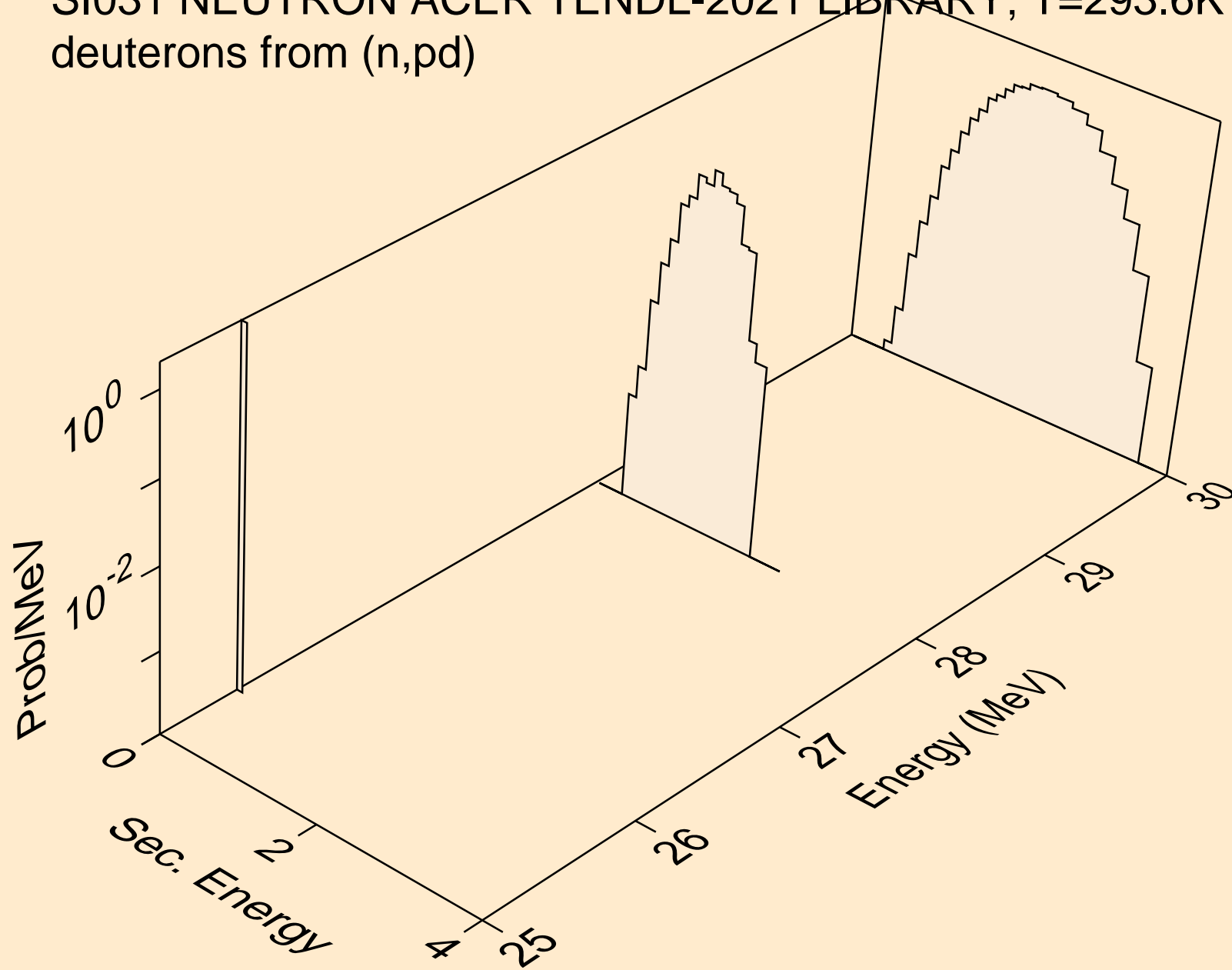
SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,n\*)d



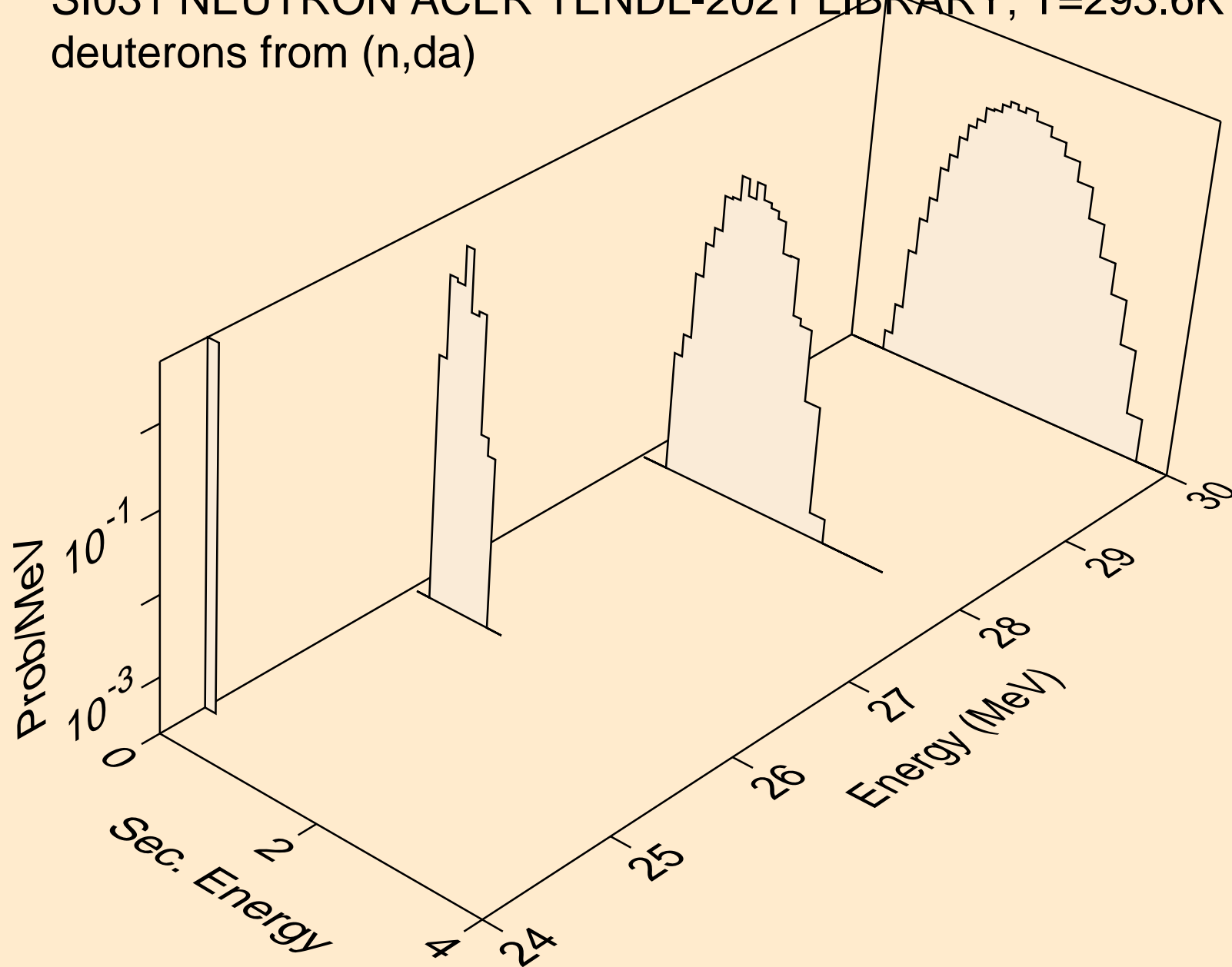
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deuterons from (n,d)



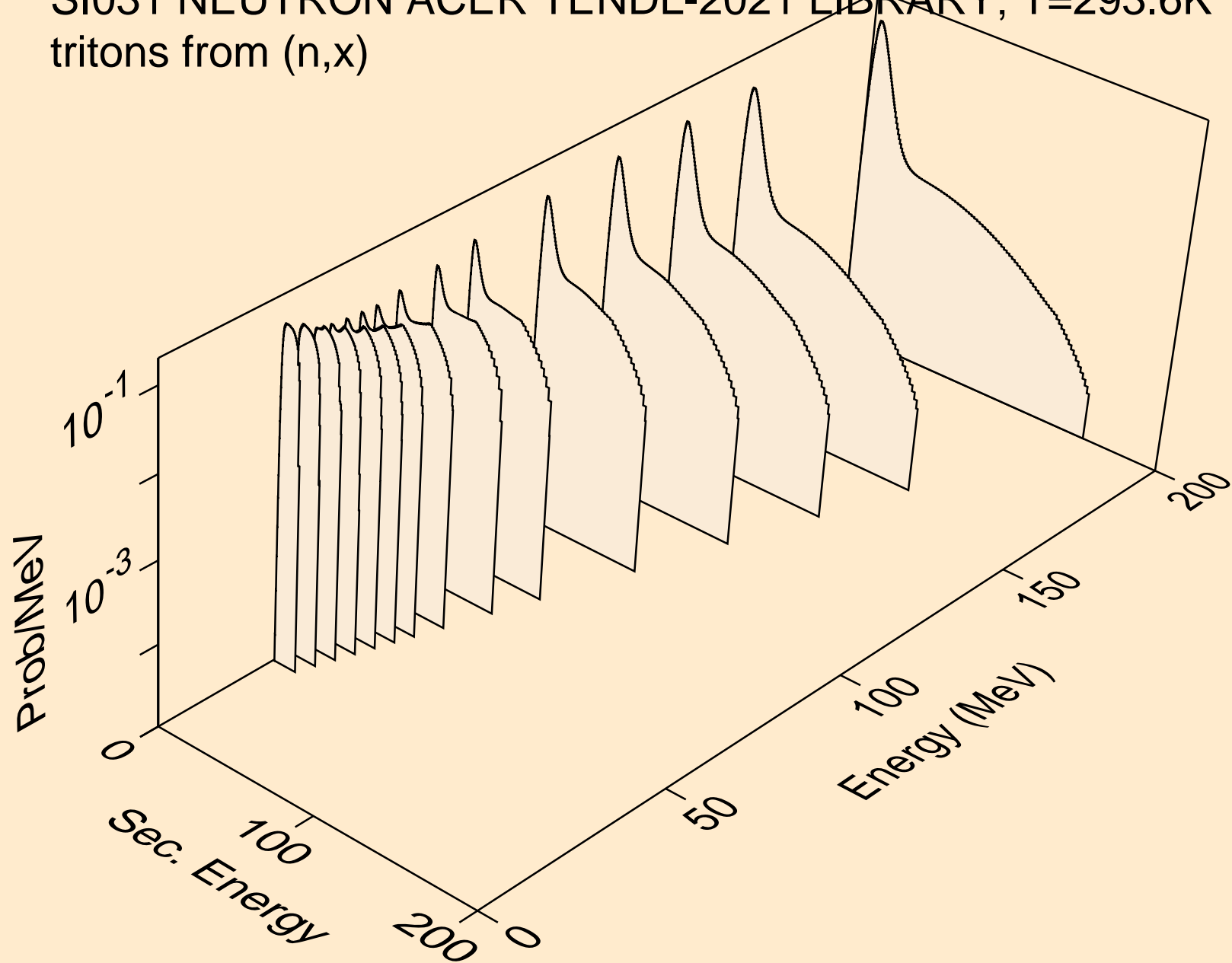
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deuterons from (n,pd)



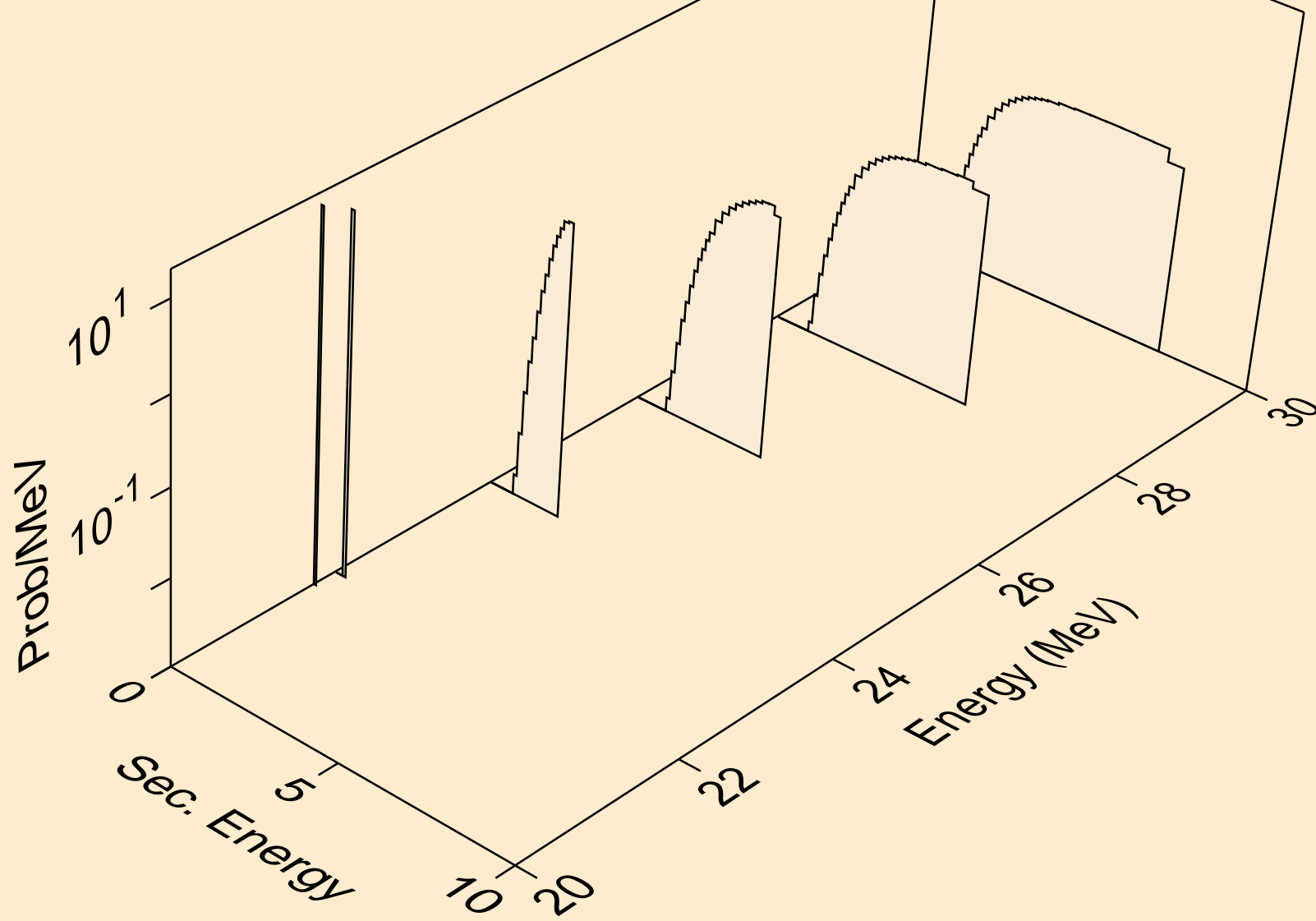
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deuterons from (n,da)



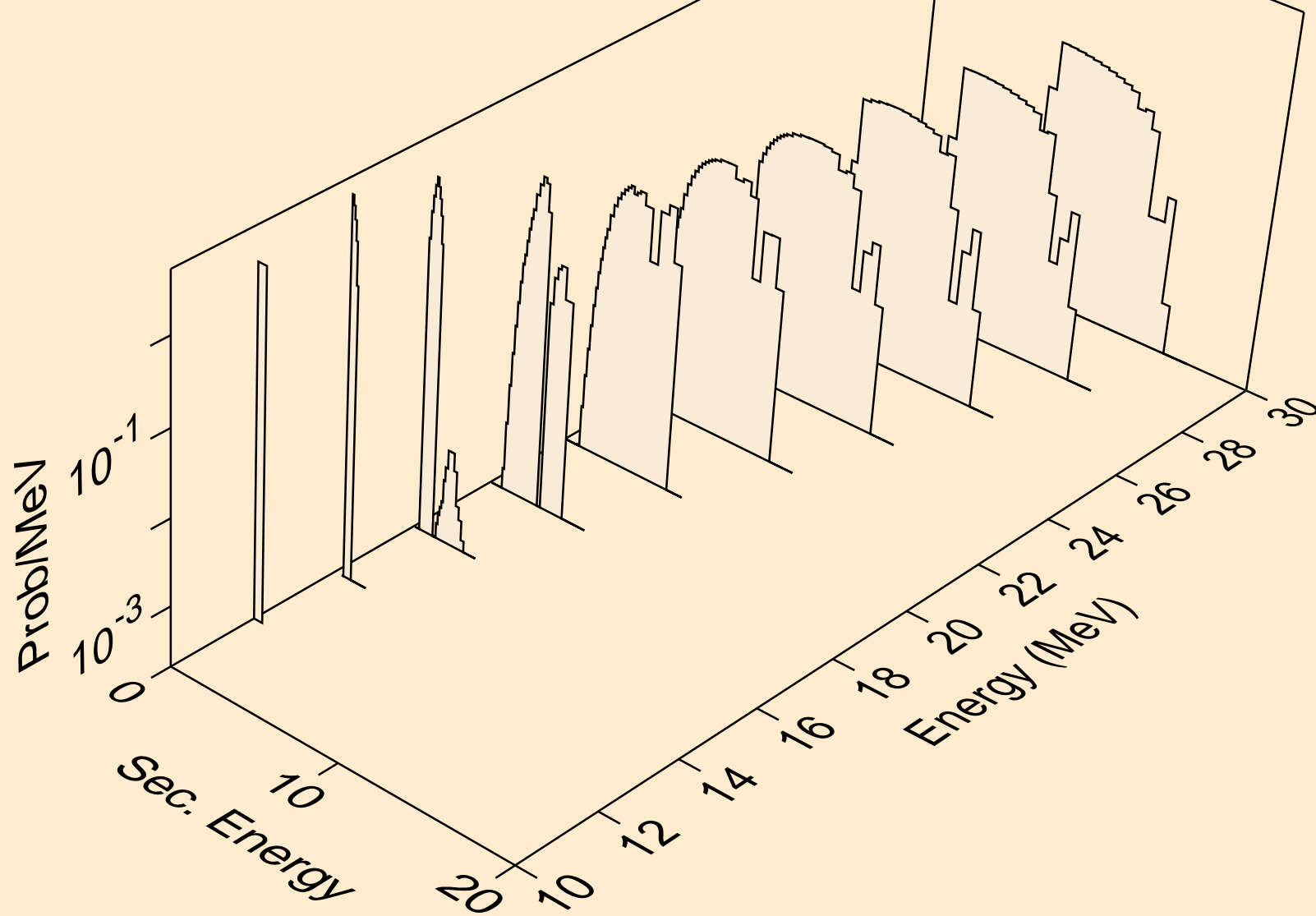
SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,x)



SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,n\*)t

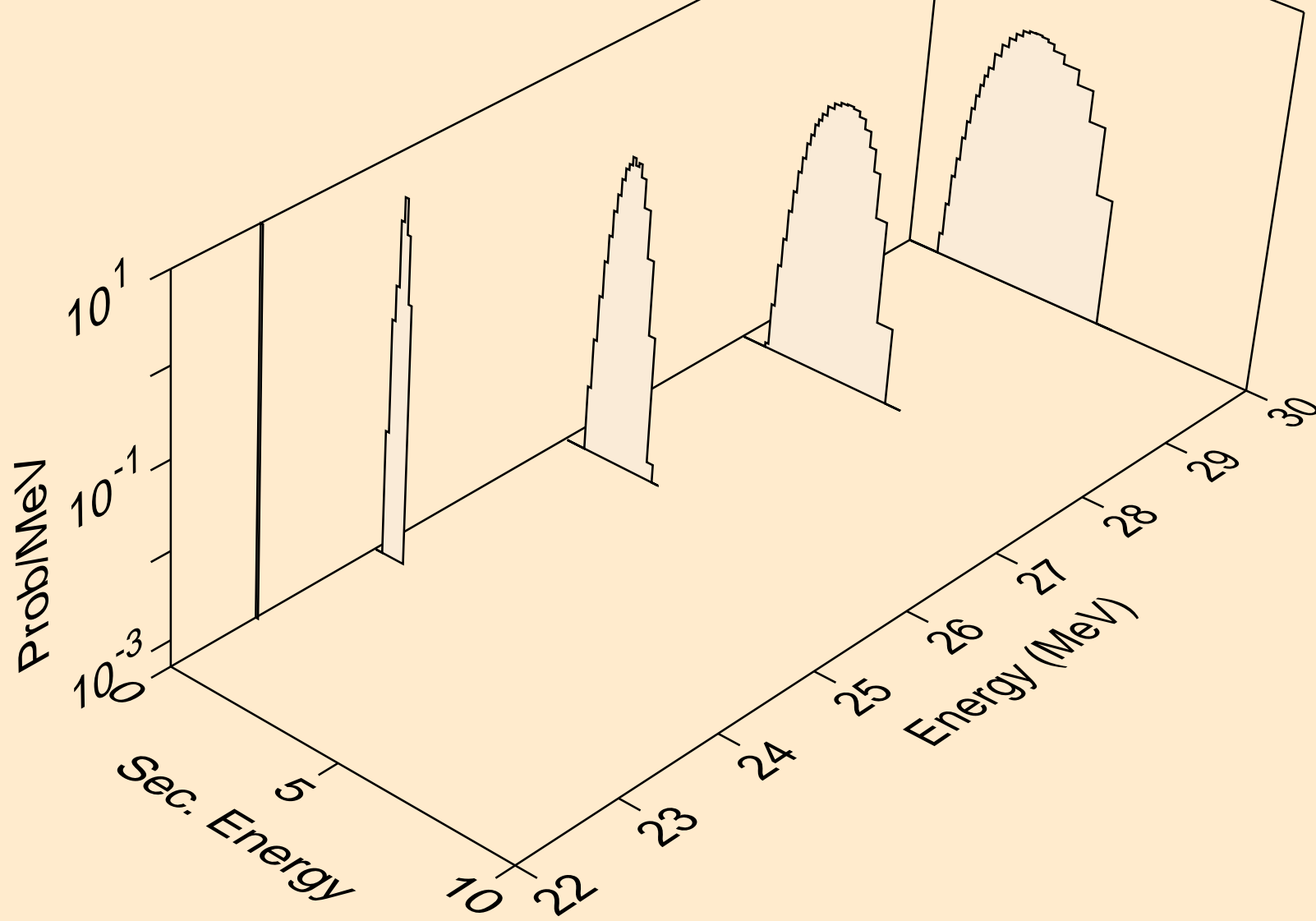


SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,t)

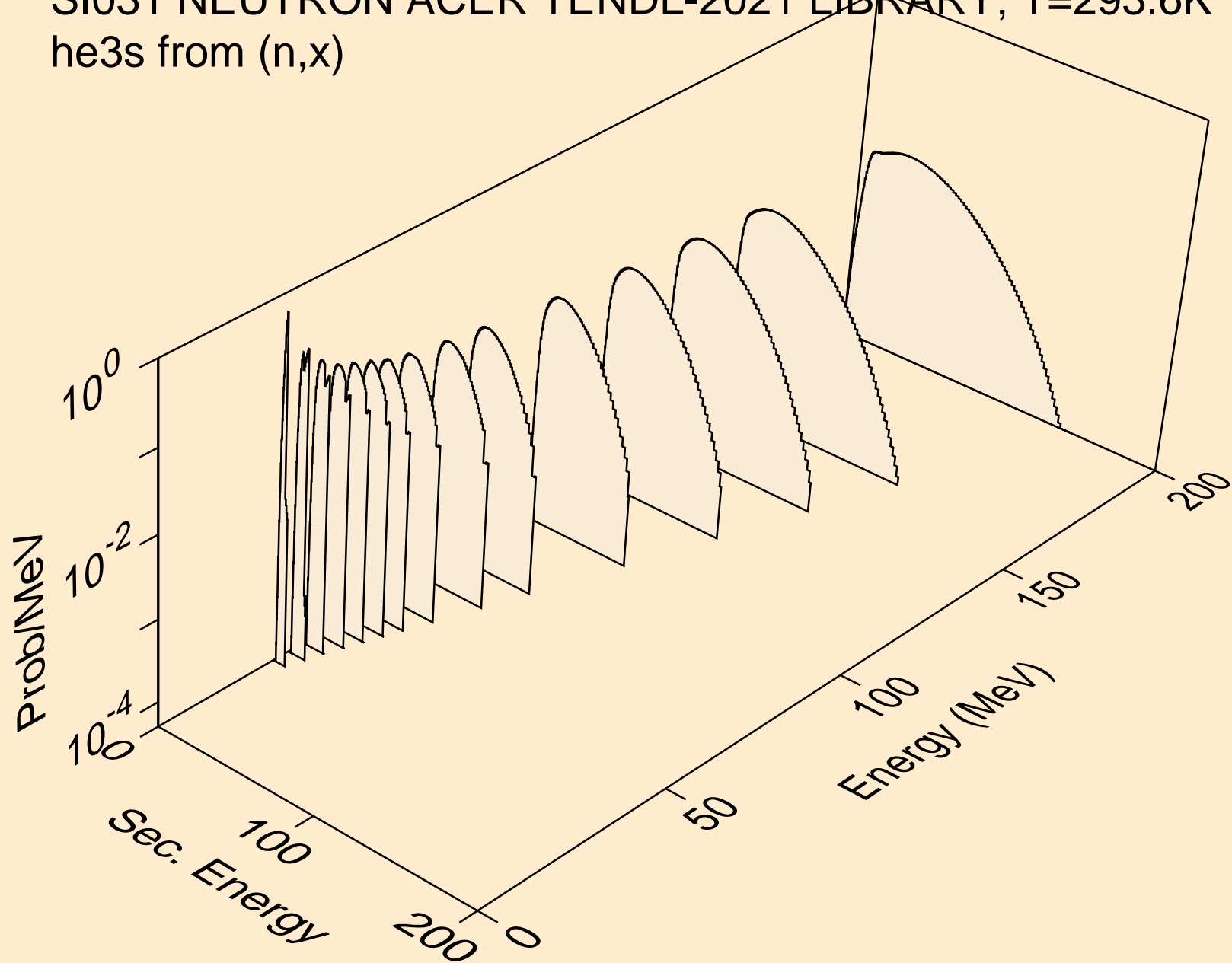




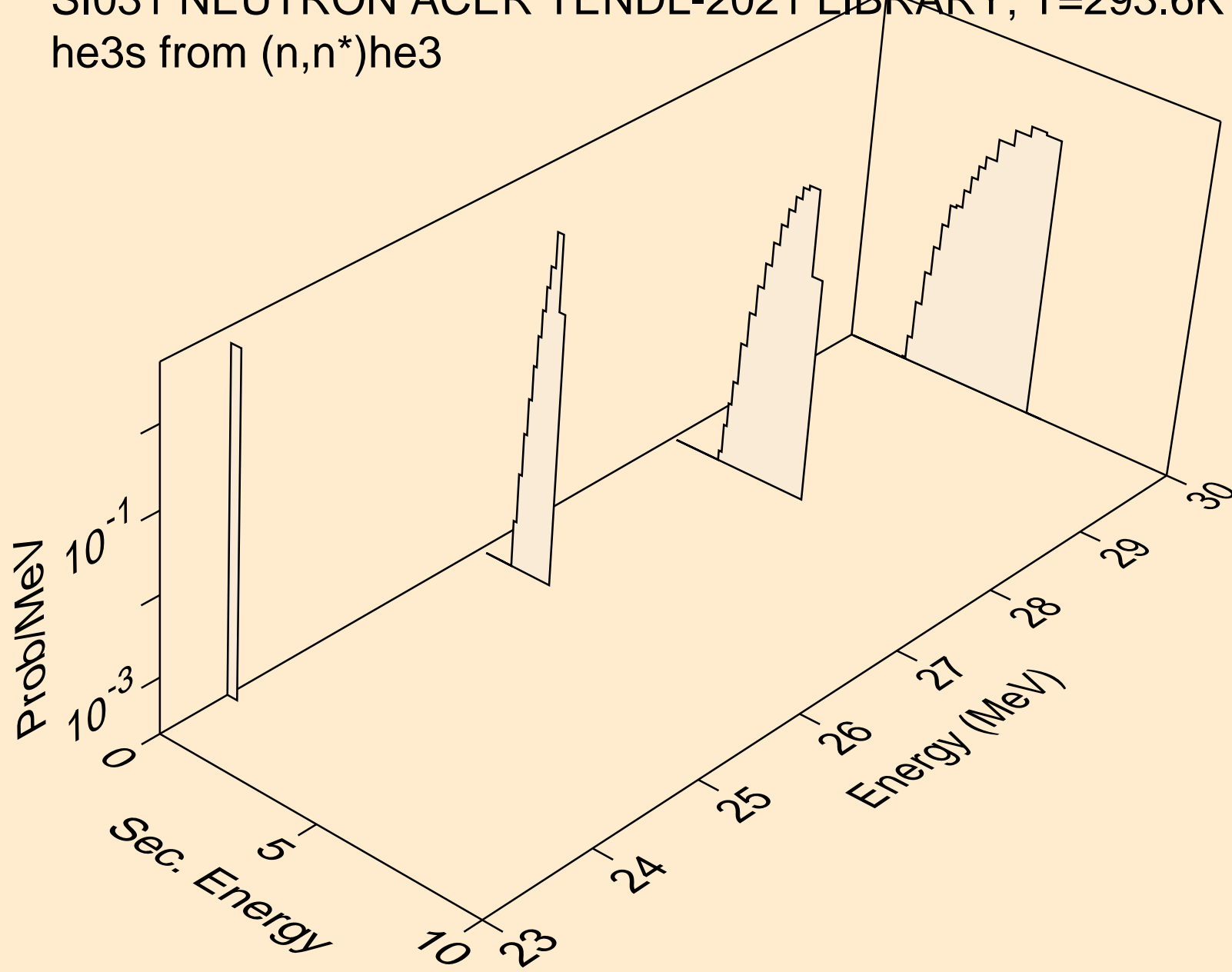
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tritons from (n,pt)



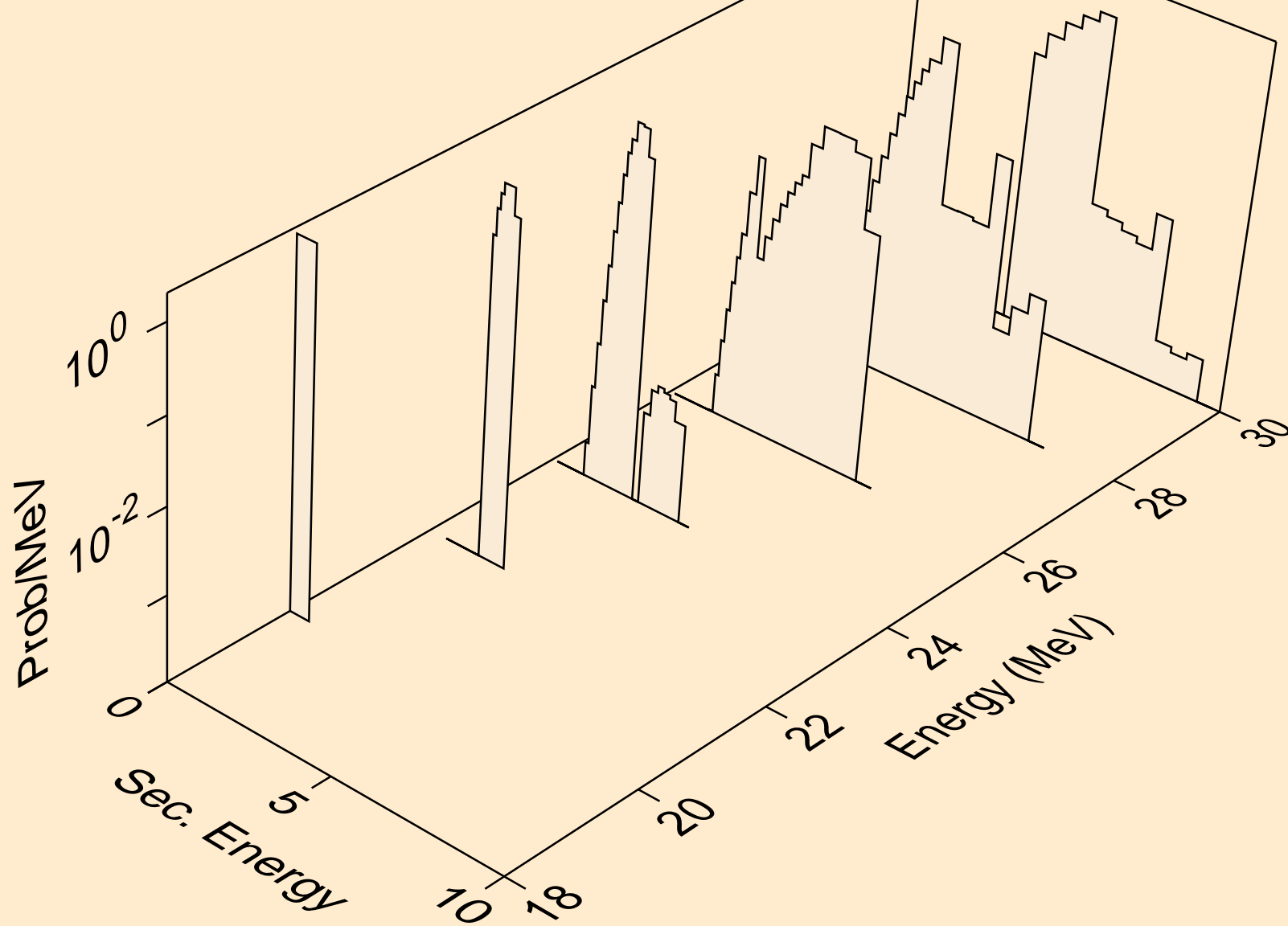
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he3s from (n,x)



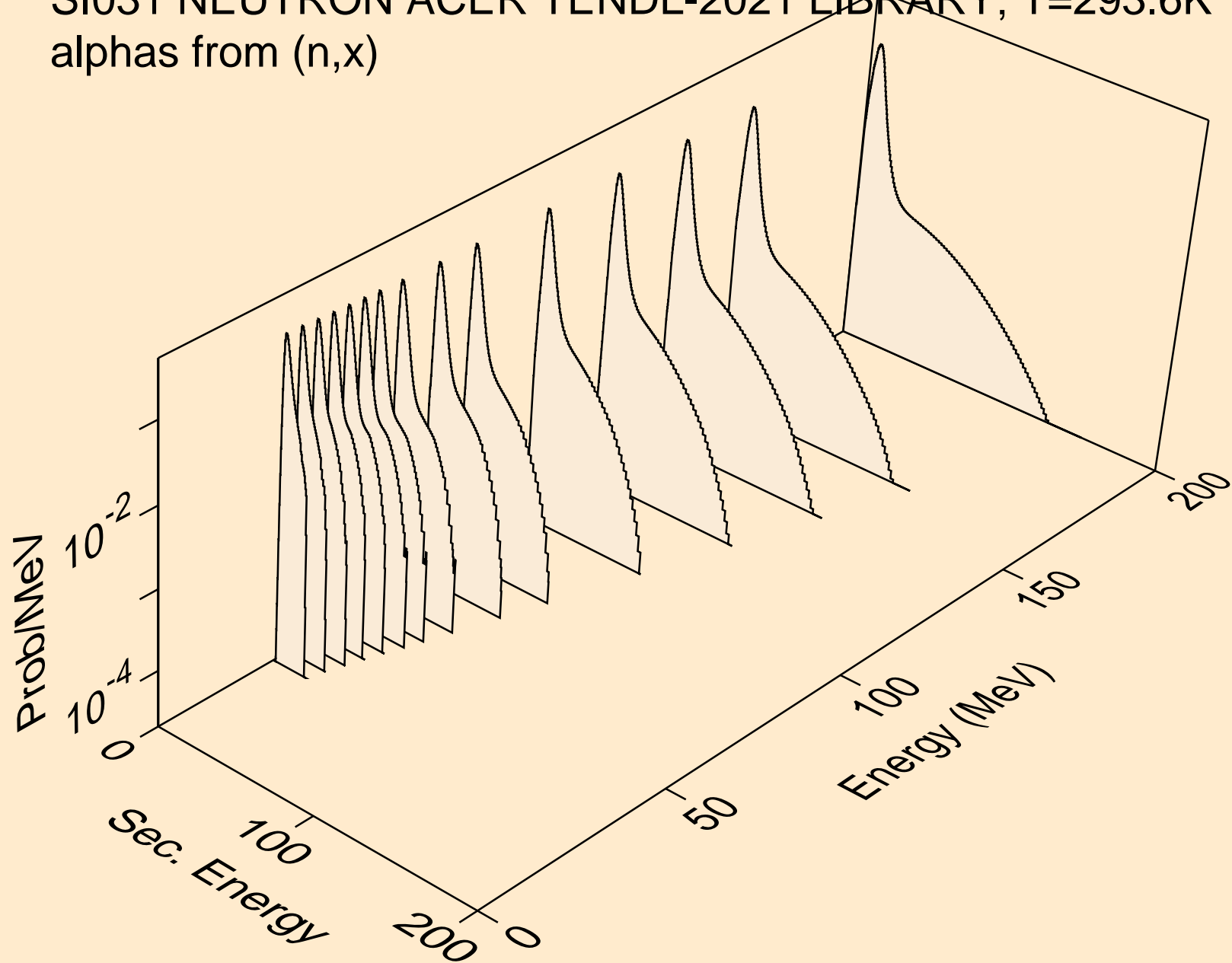
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he3s from (n,n\*)he3



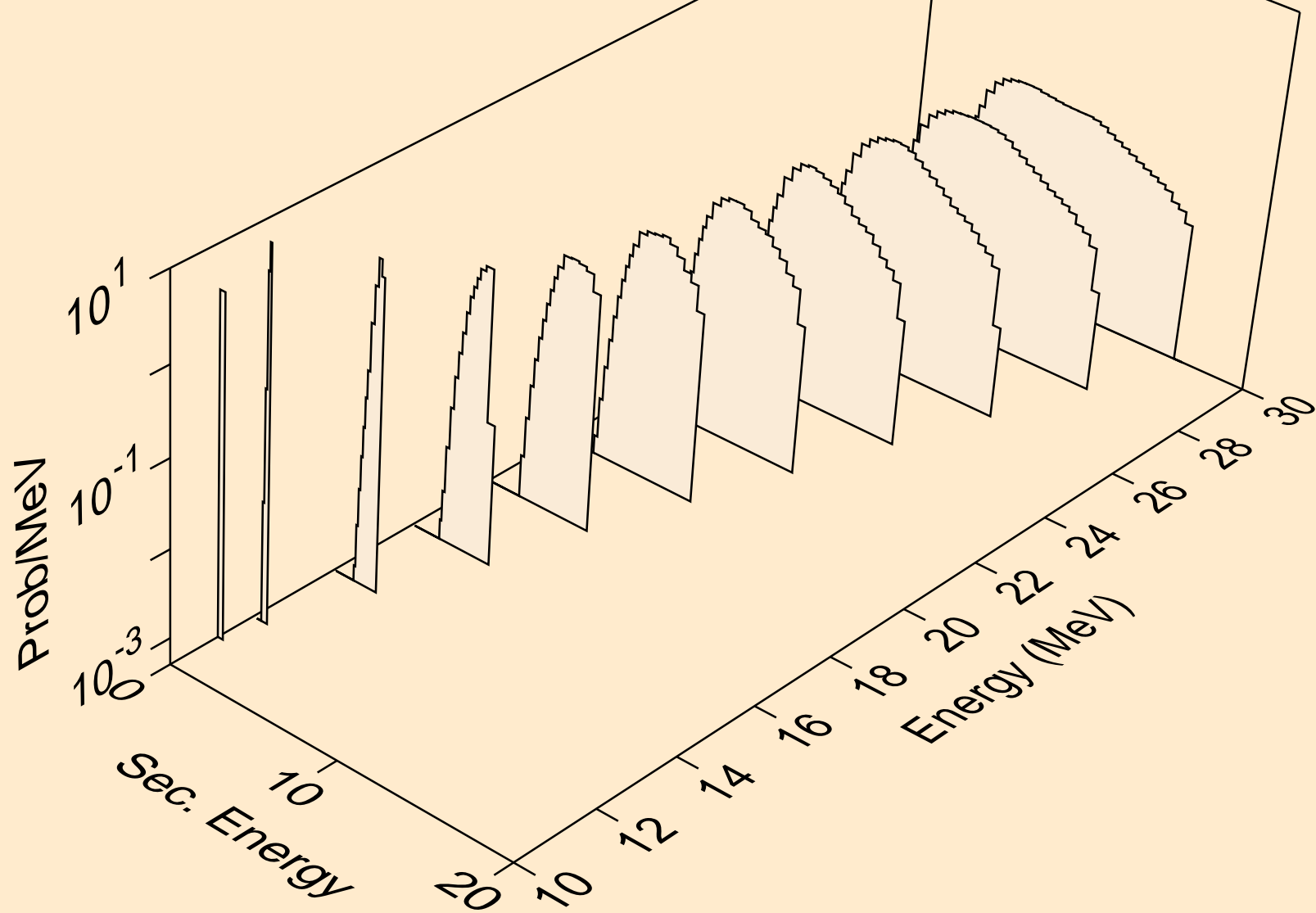
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he3s from (n,he3)



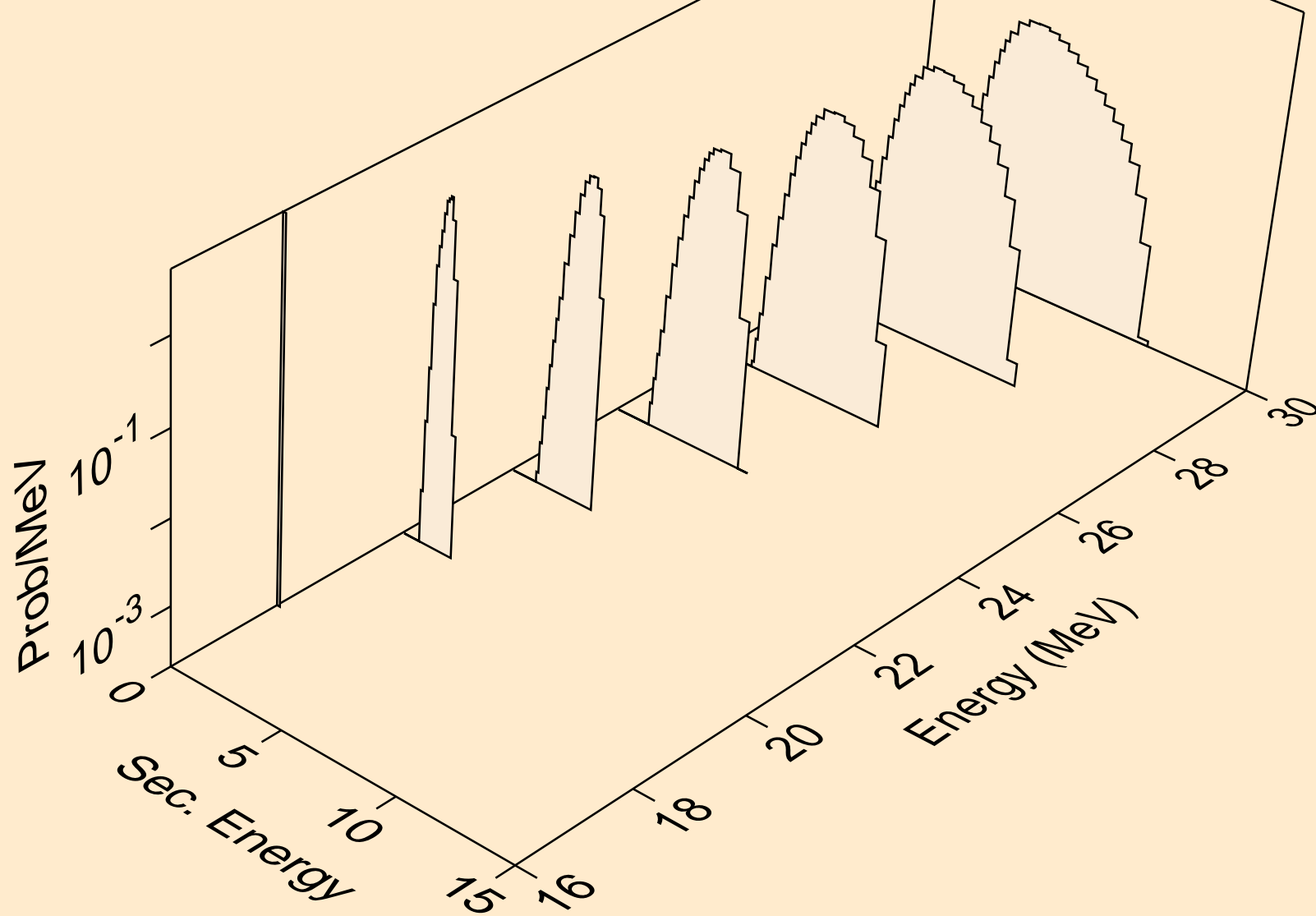
SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,x)



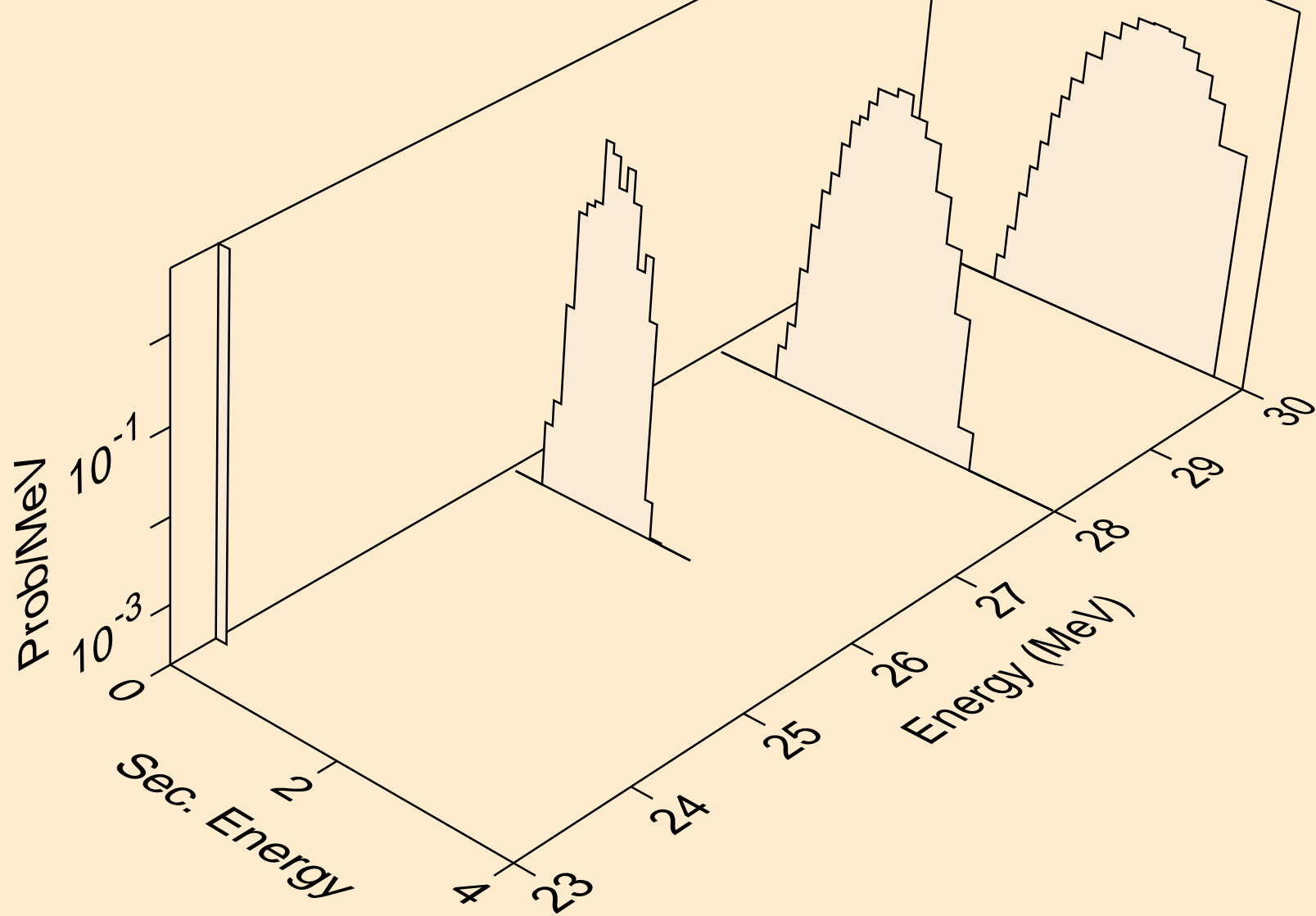
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alphas from (n,n\*)a



SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2n)a

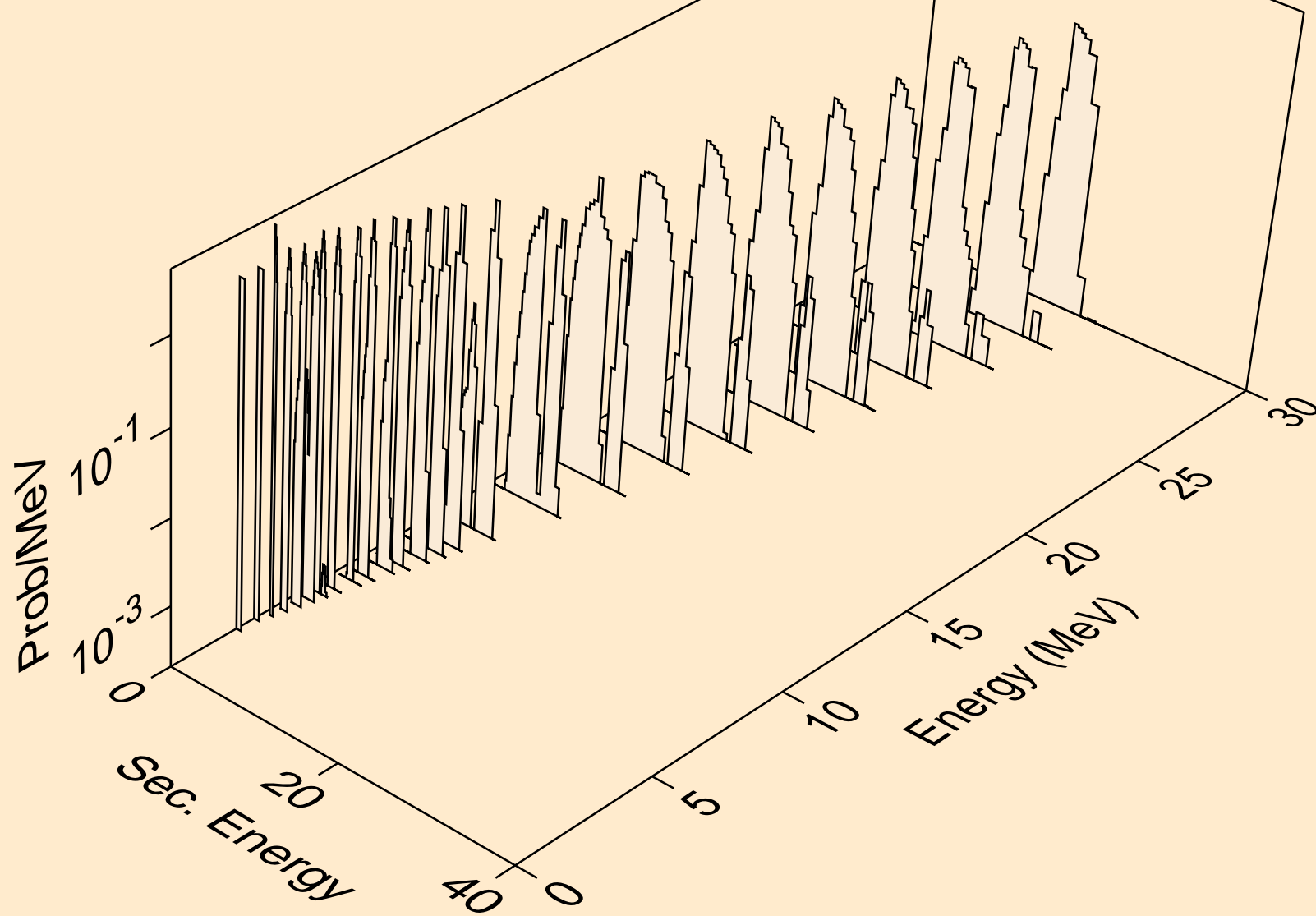


SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,n\*)2a

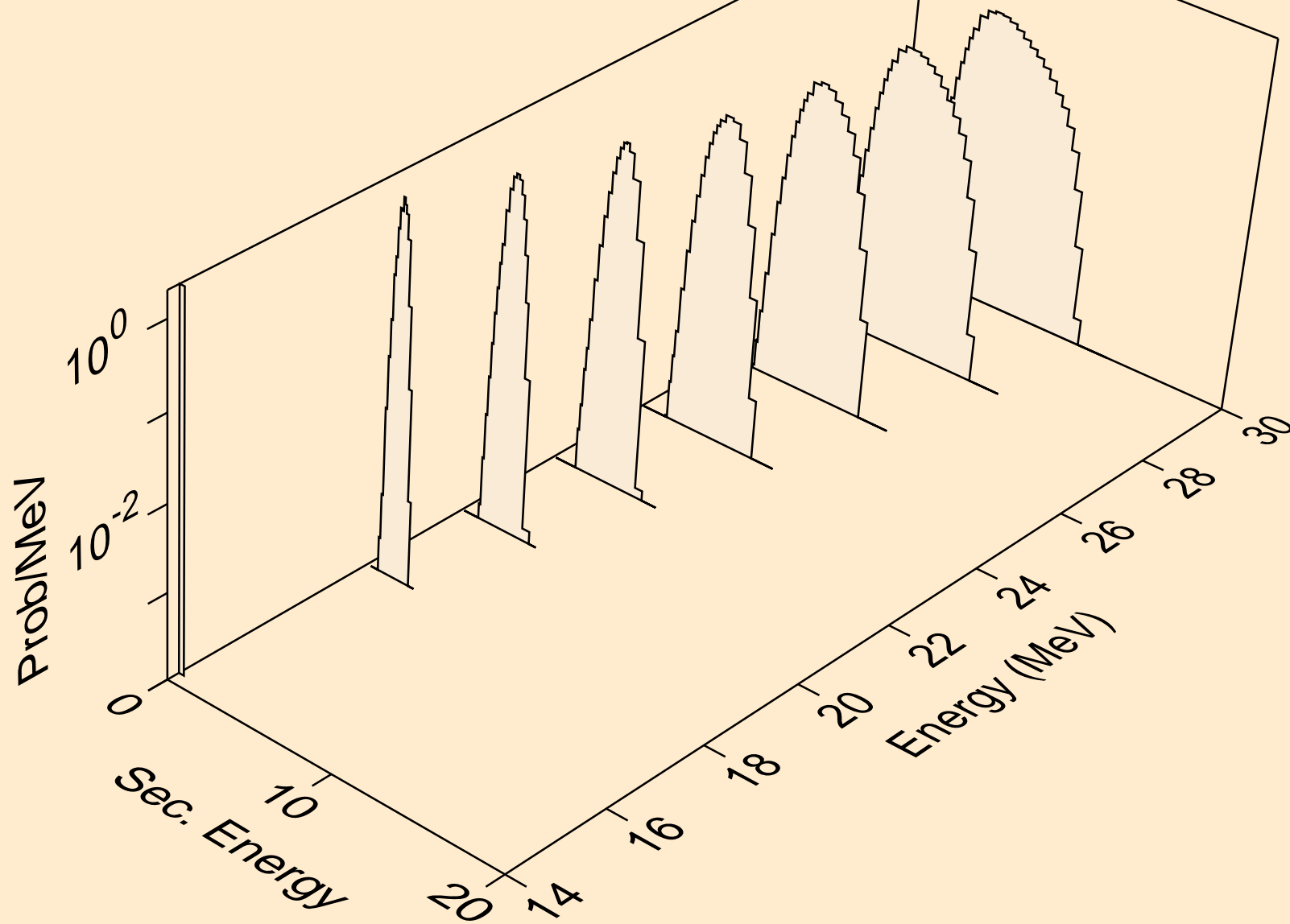




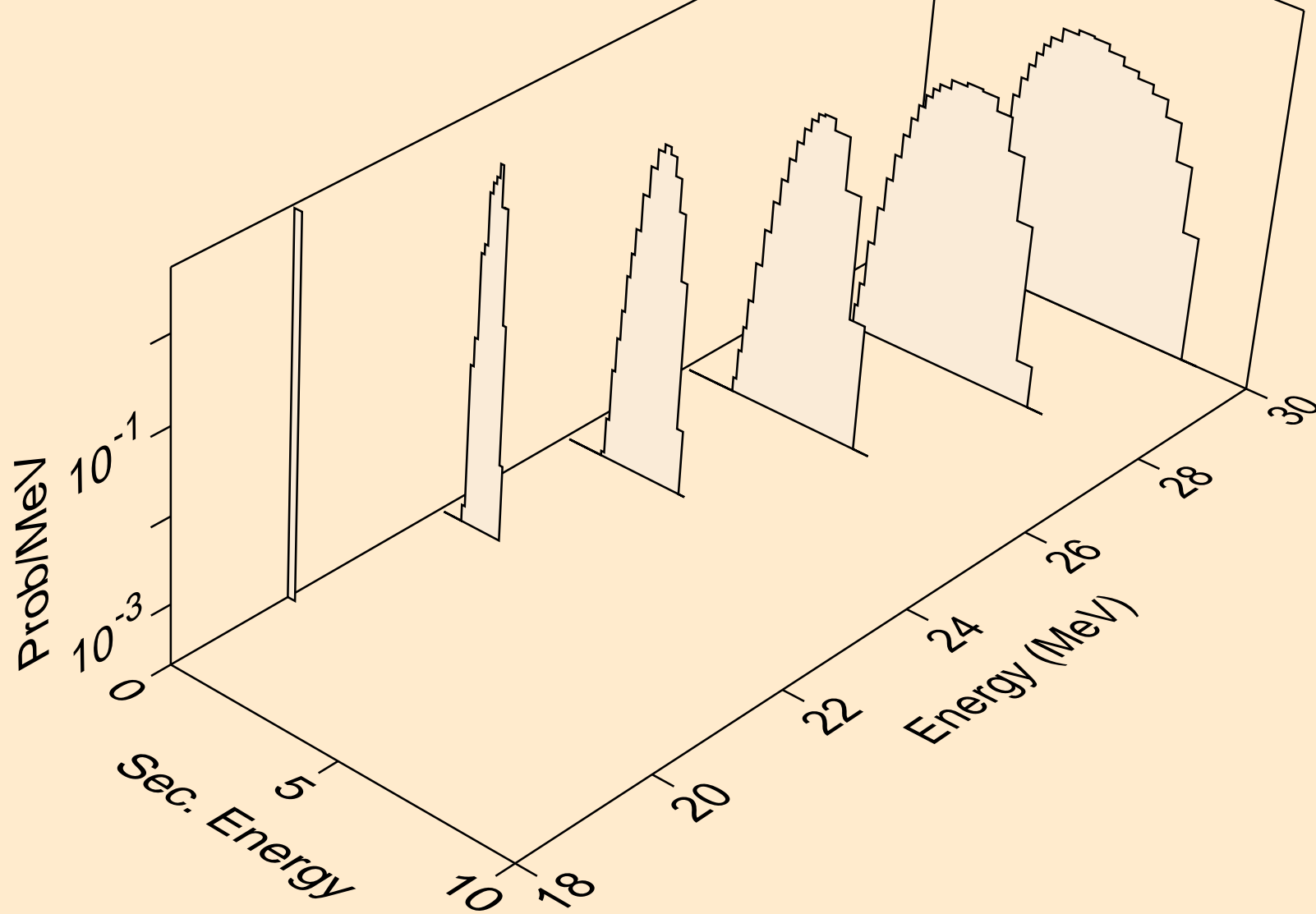
SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,a)



SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2a)



SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,pa)



SI031 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,da)

