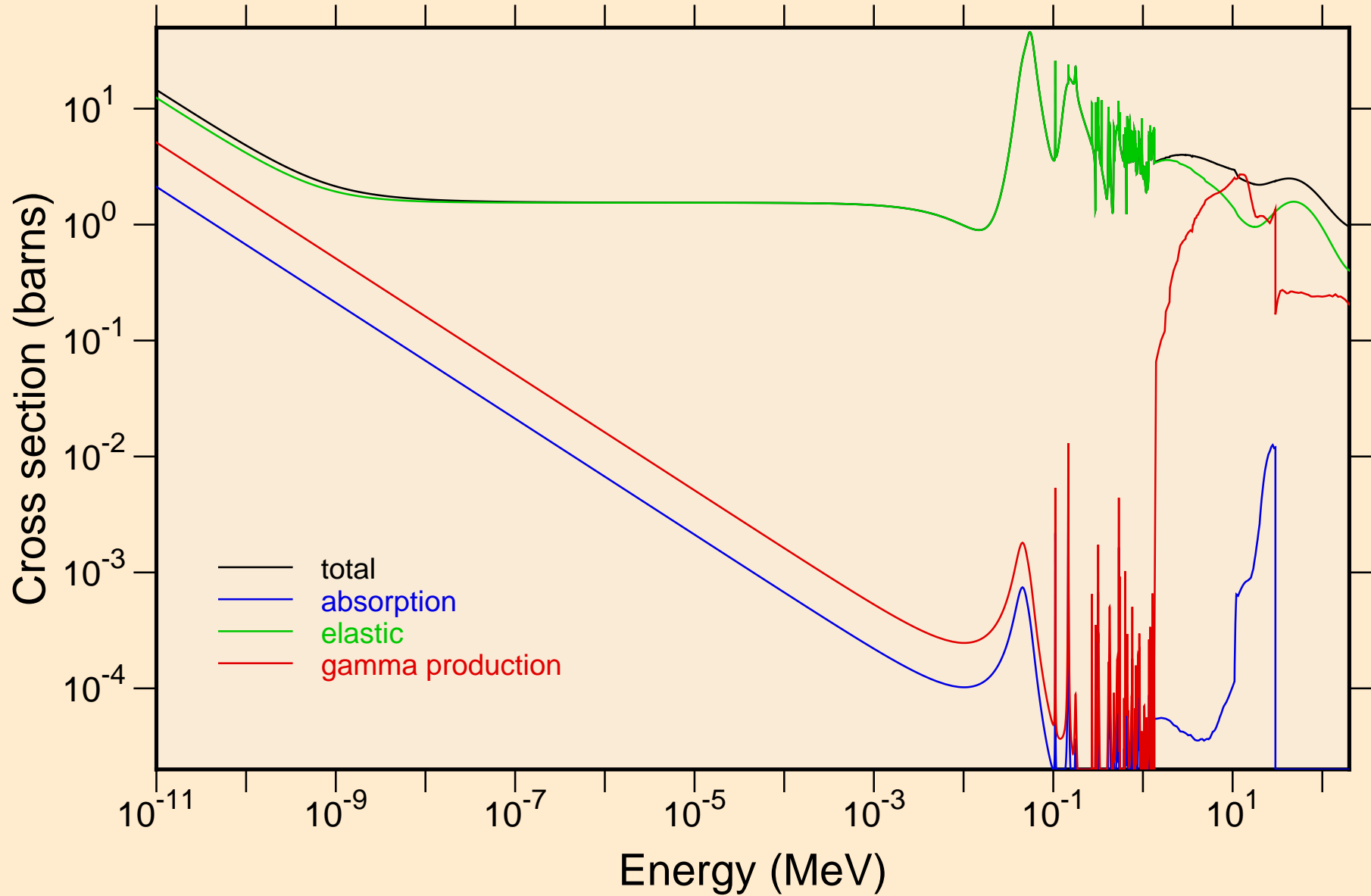
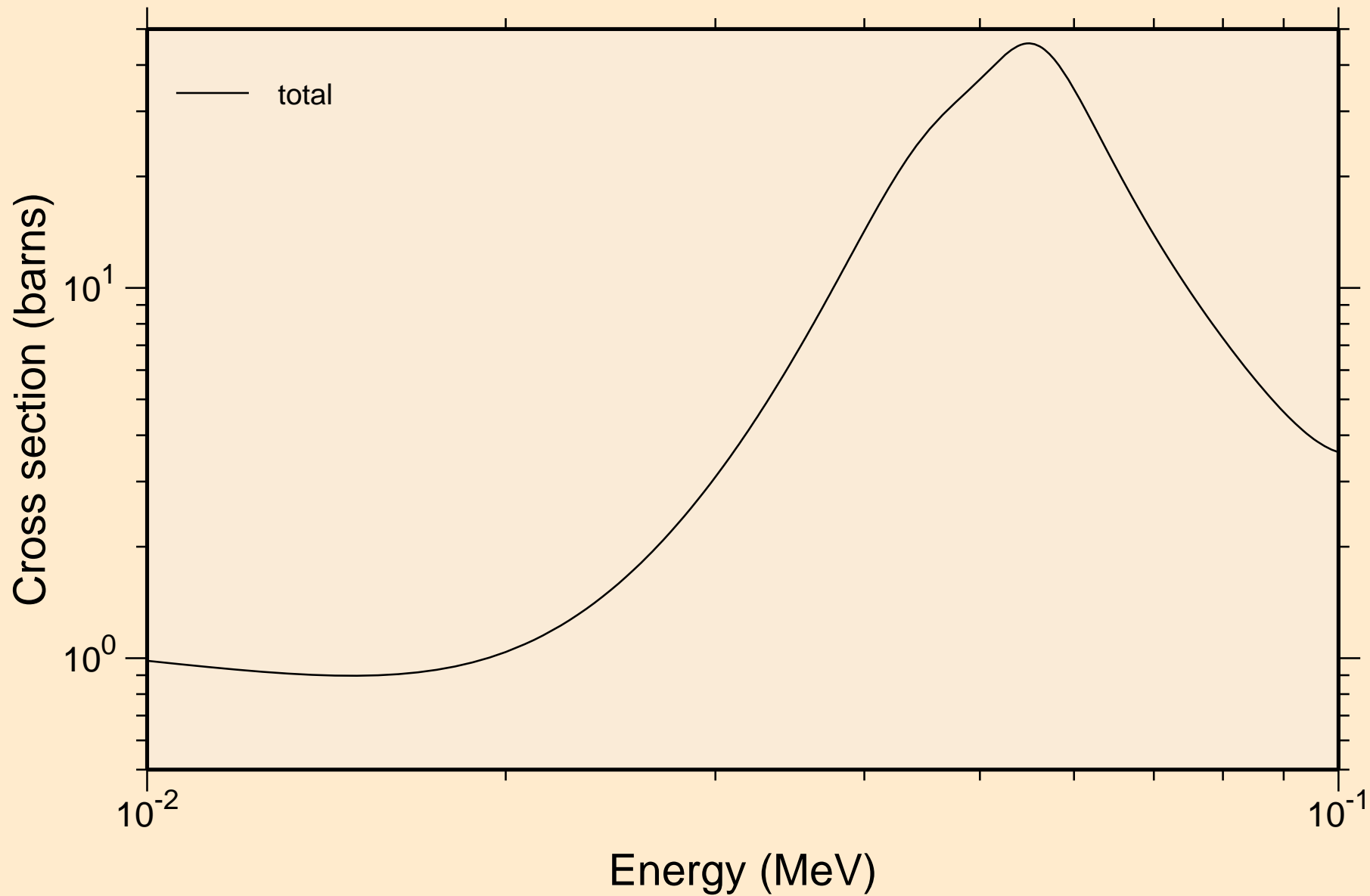


# CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

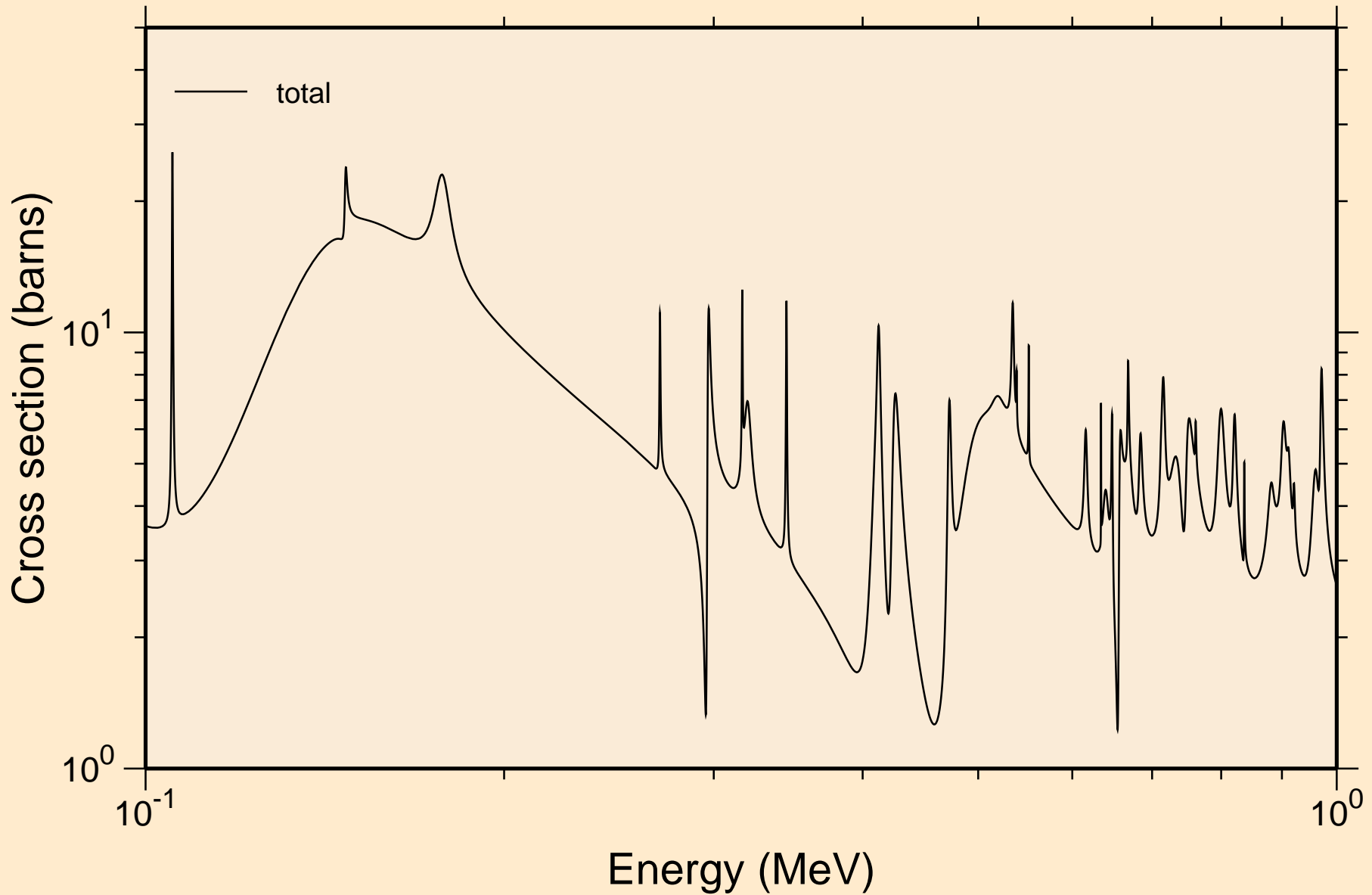
## Principal cross sections



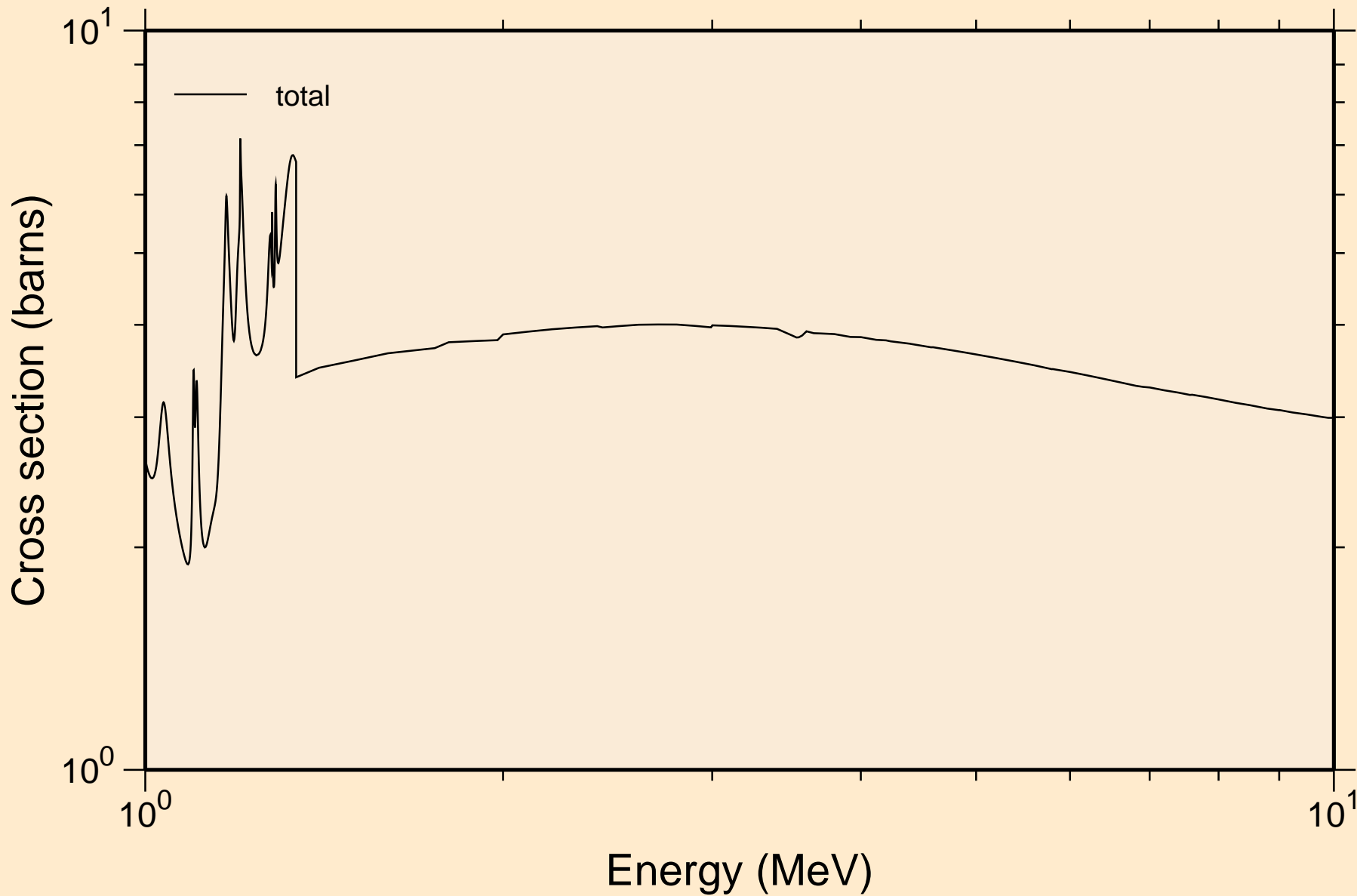
CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance total cross section



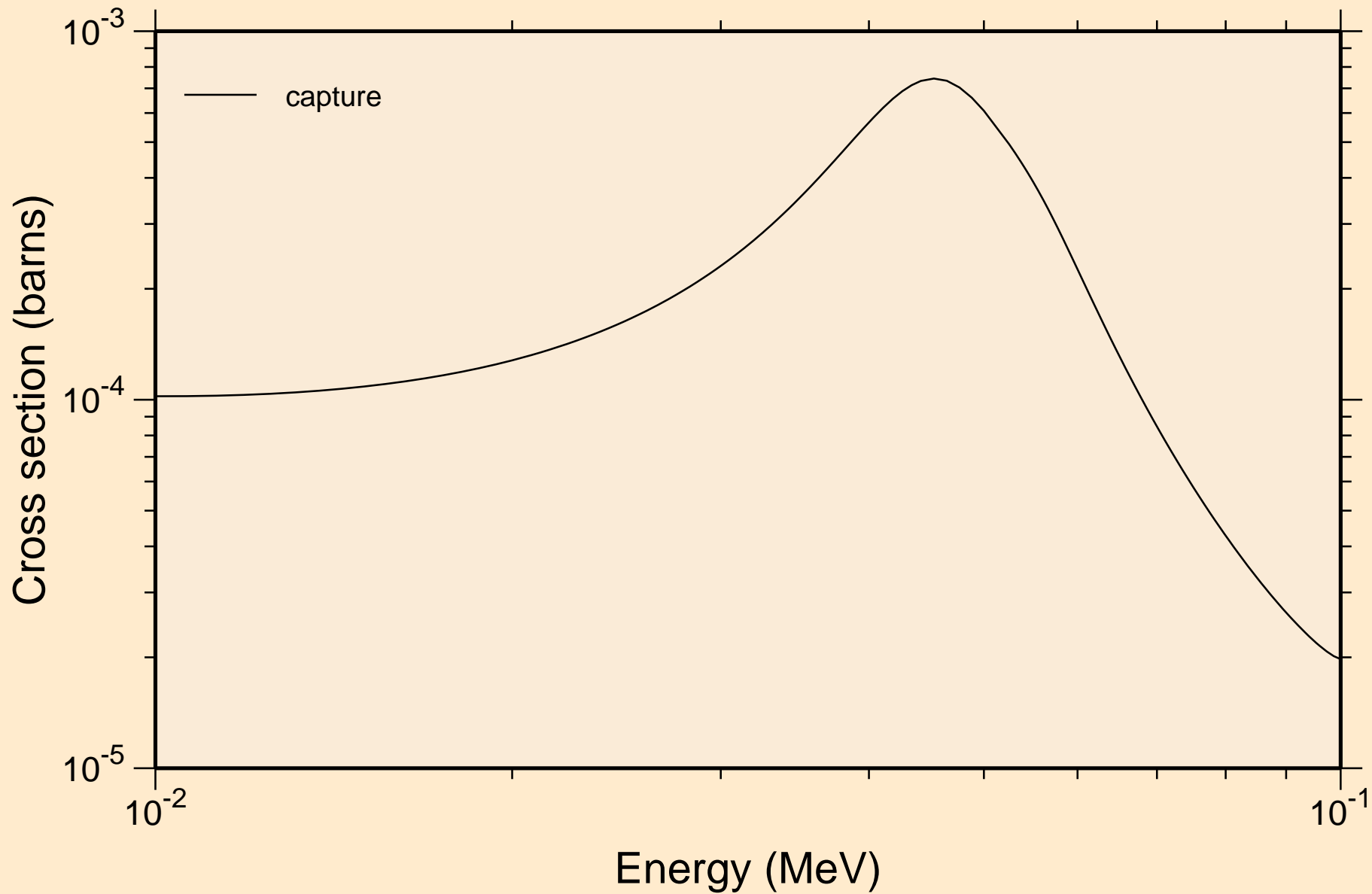
CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance total cross section



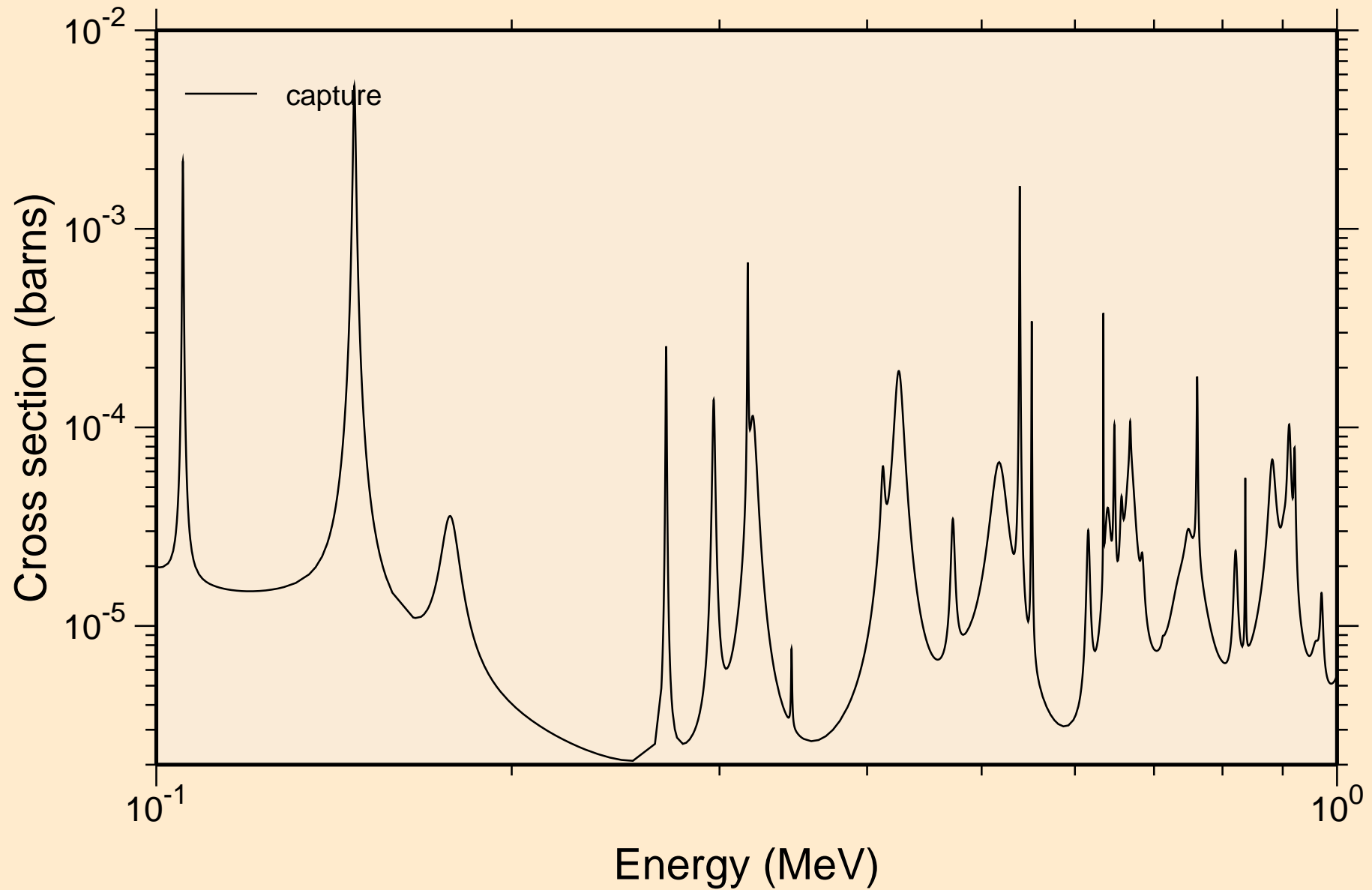
CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance total cross section



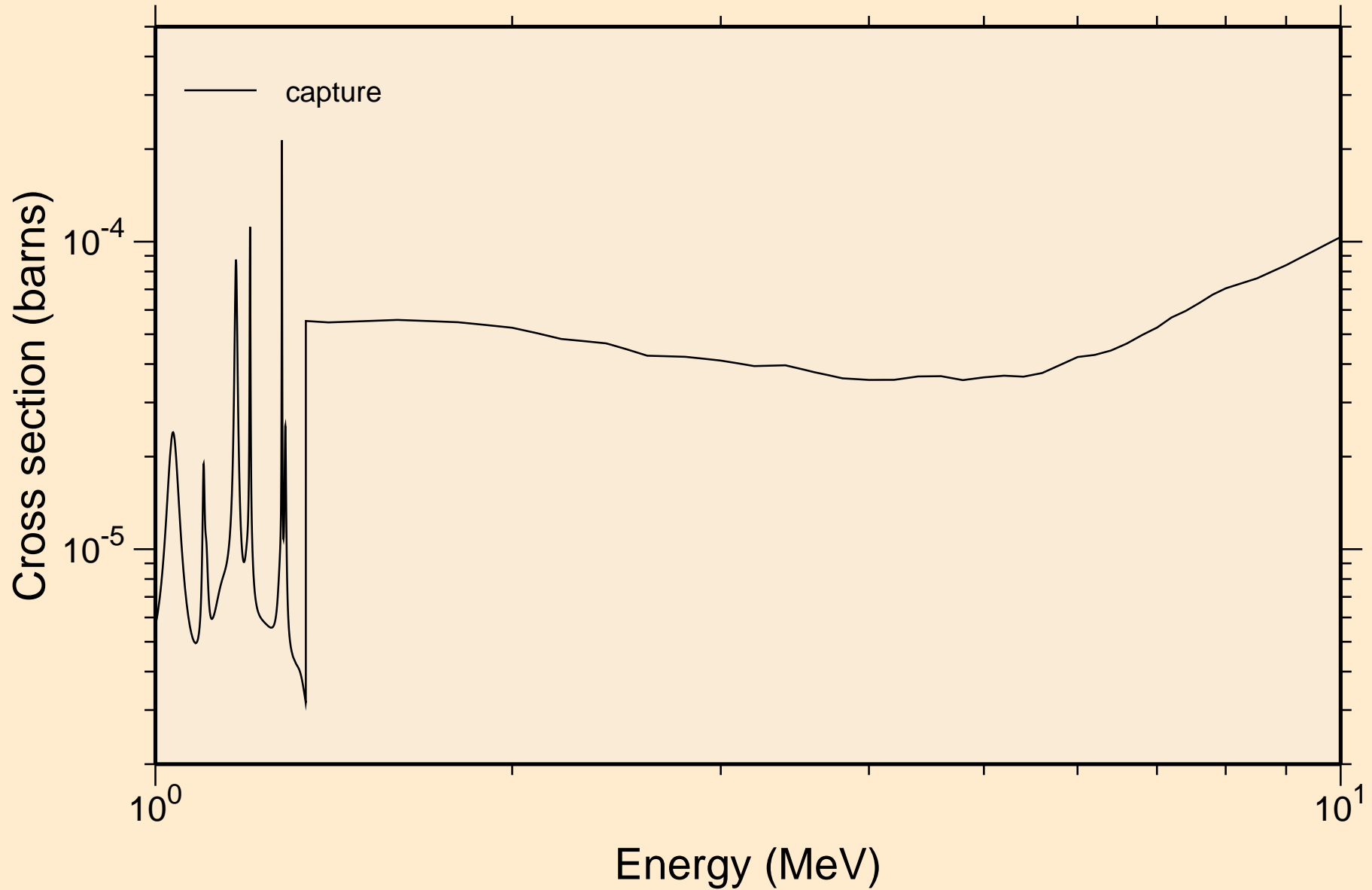
CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance absorption cross sections



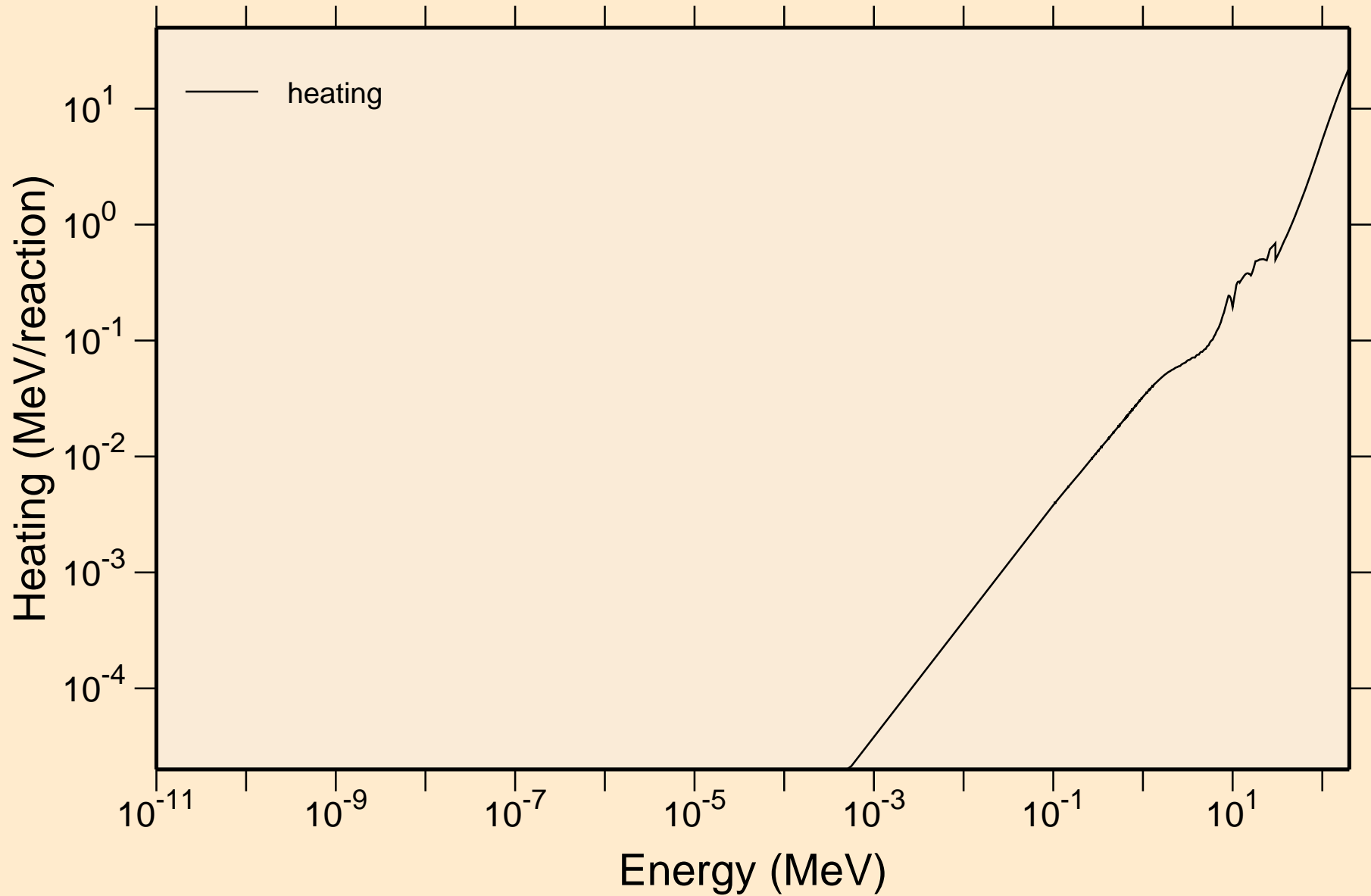
CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance absorption cross sections



CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance absorption cross sections

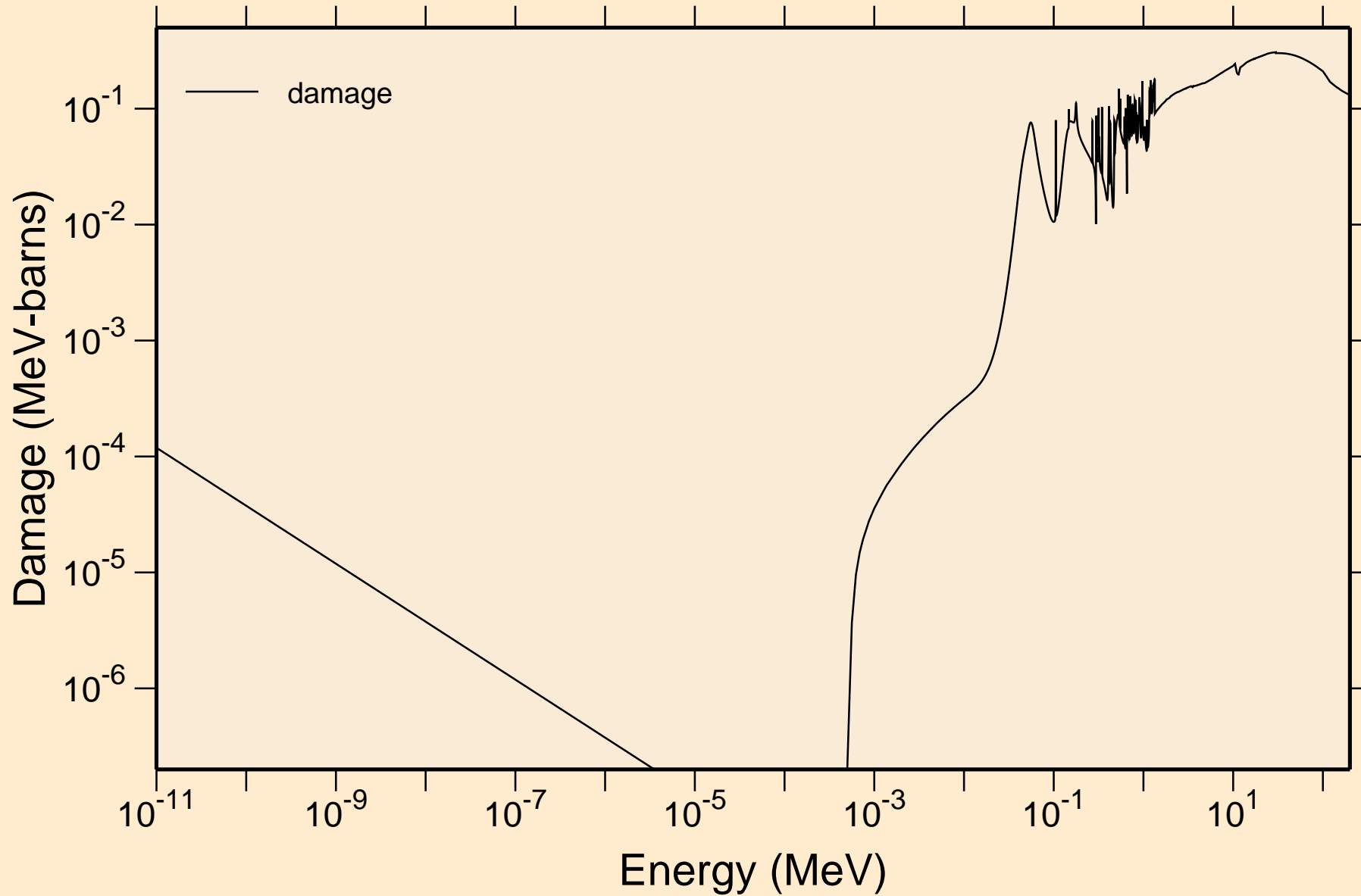


CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Heating

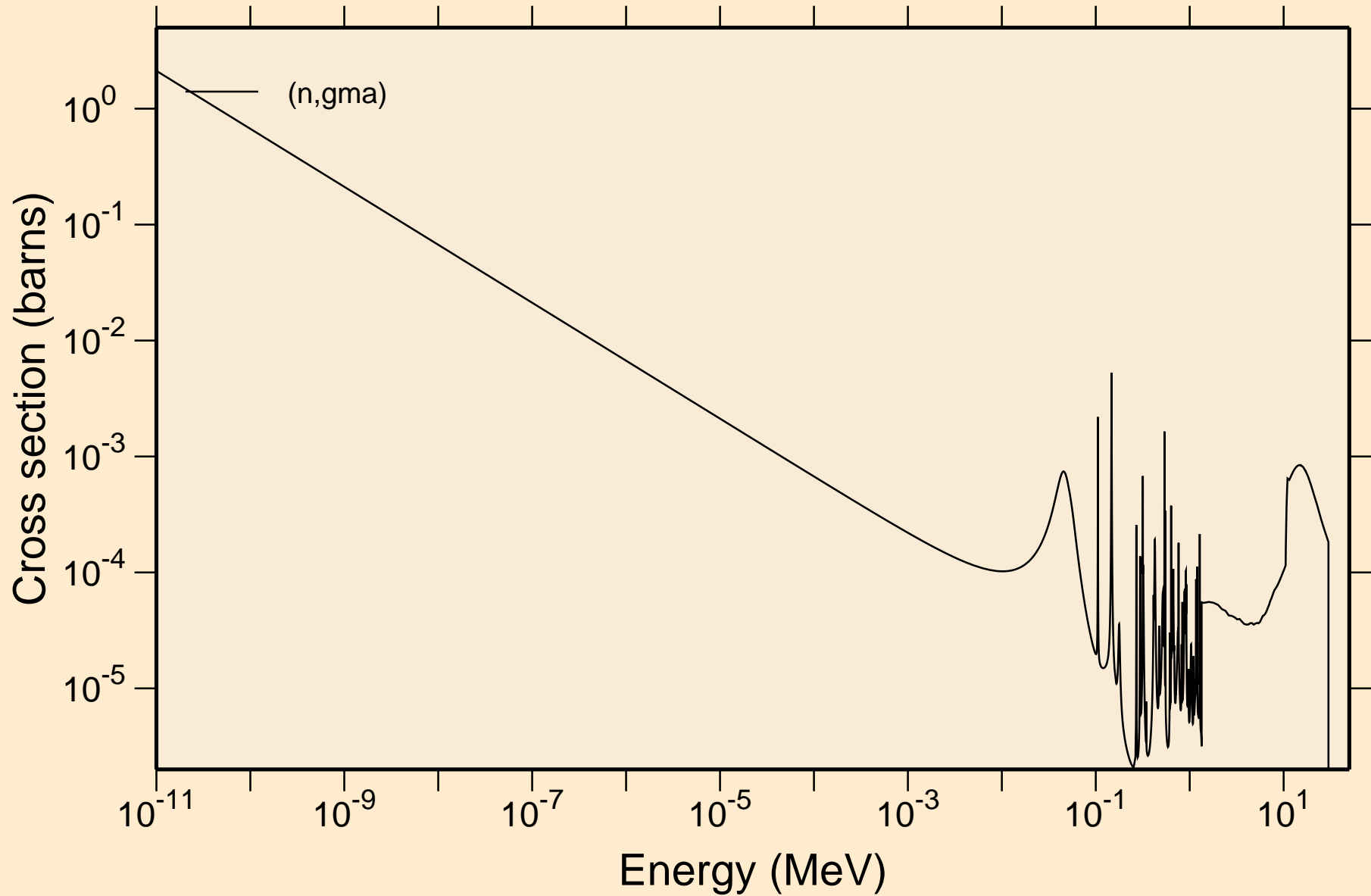




CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Damage

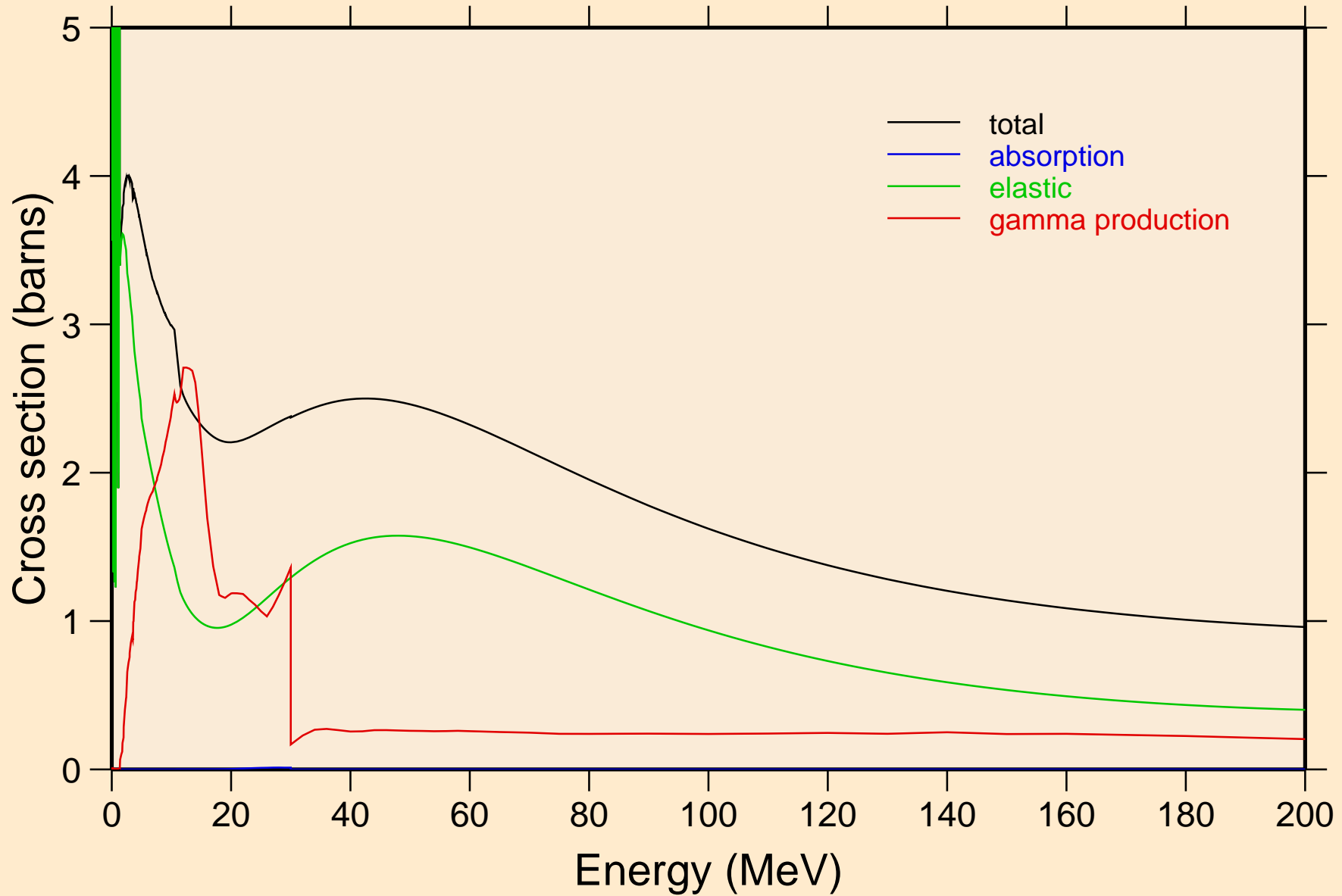


CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Non-threshold reactions

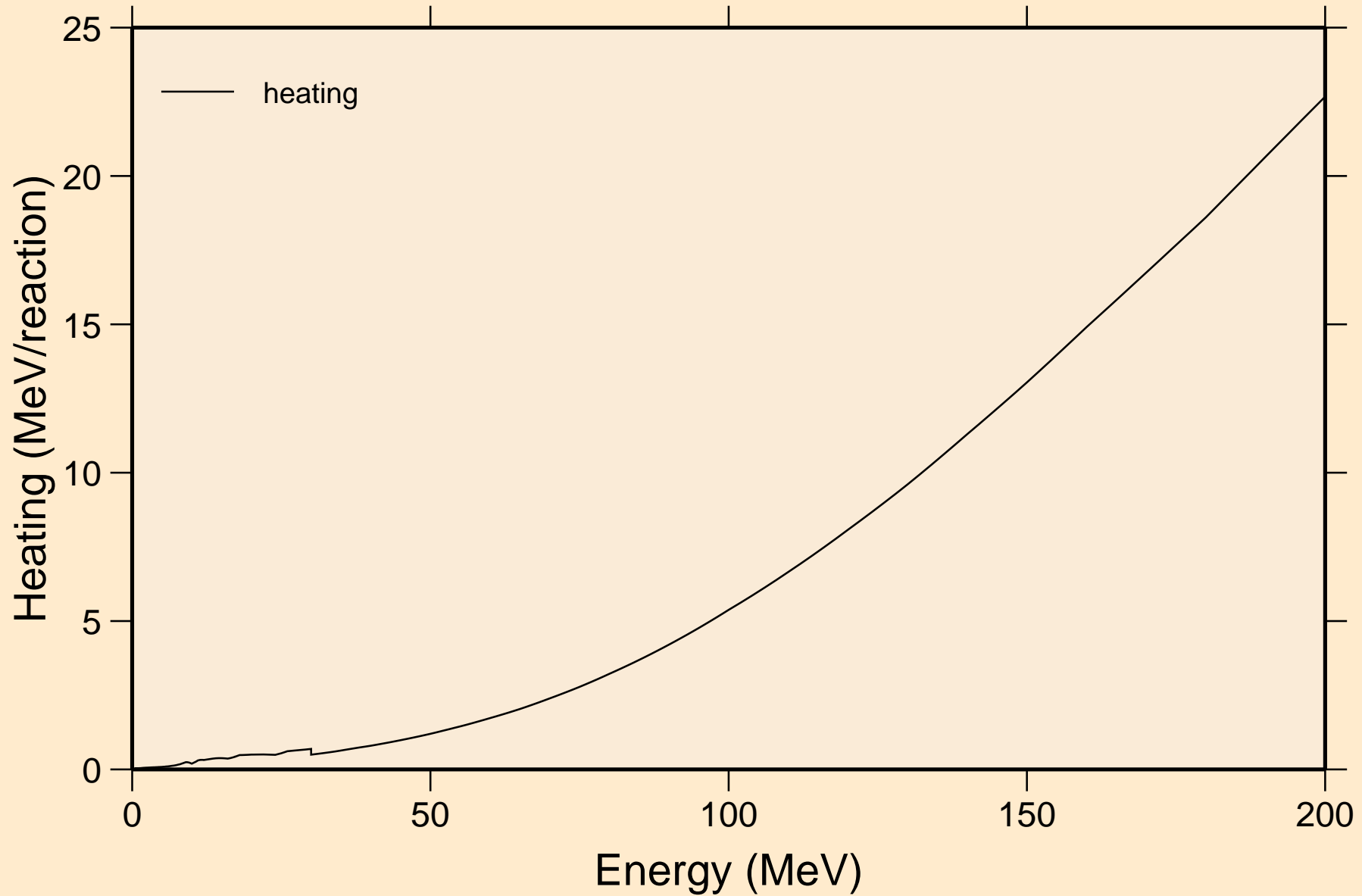


# CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

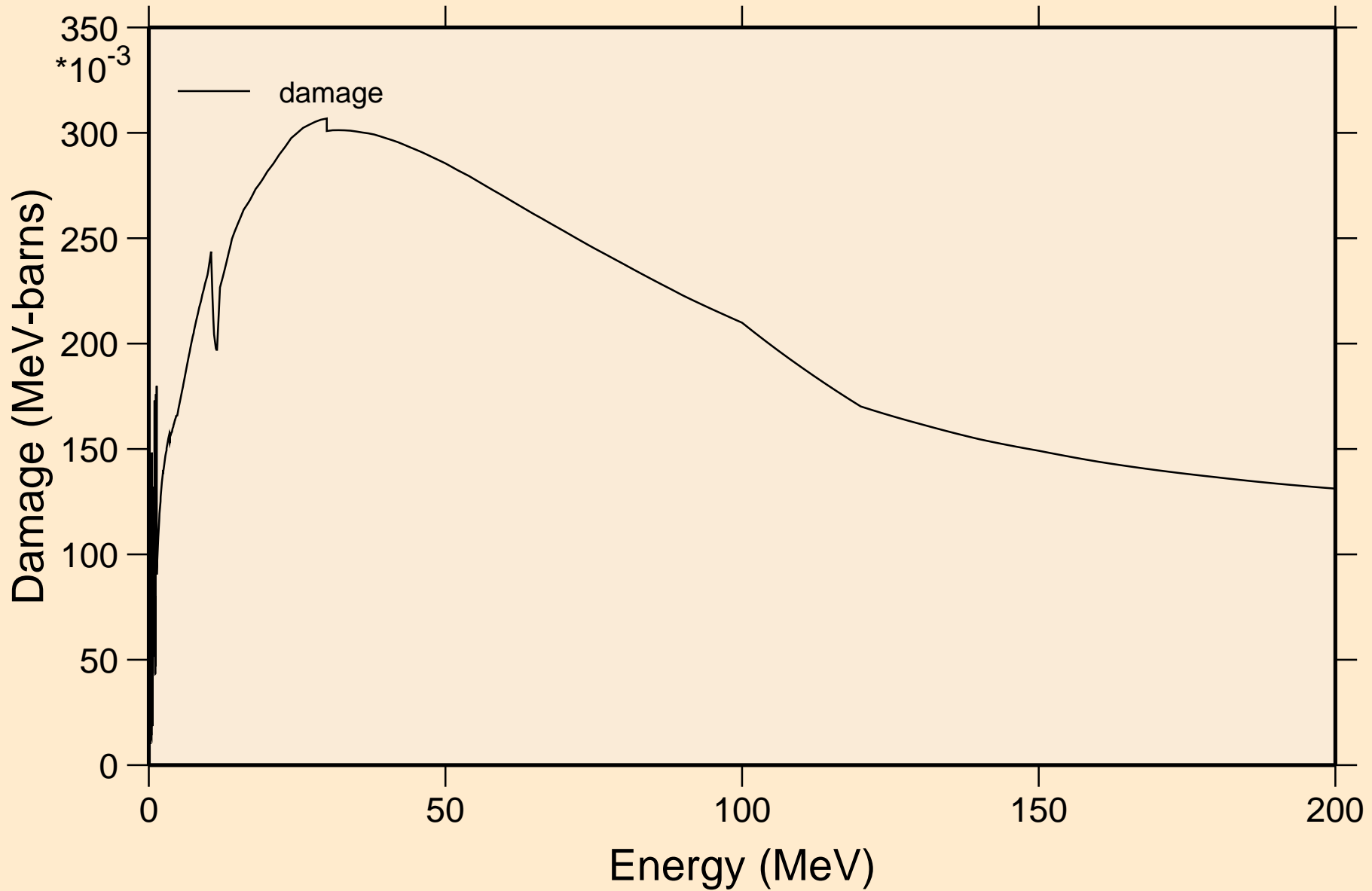
## Principal cross sections



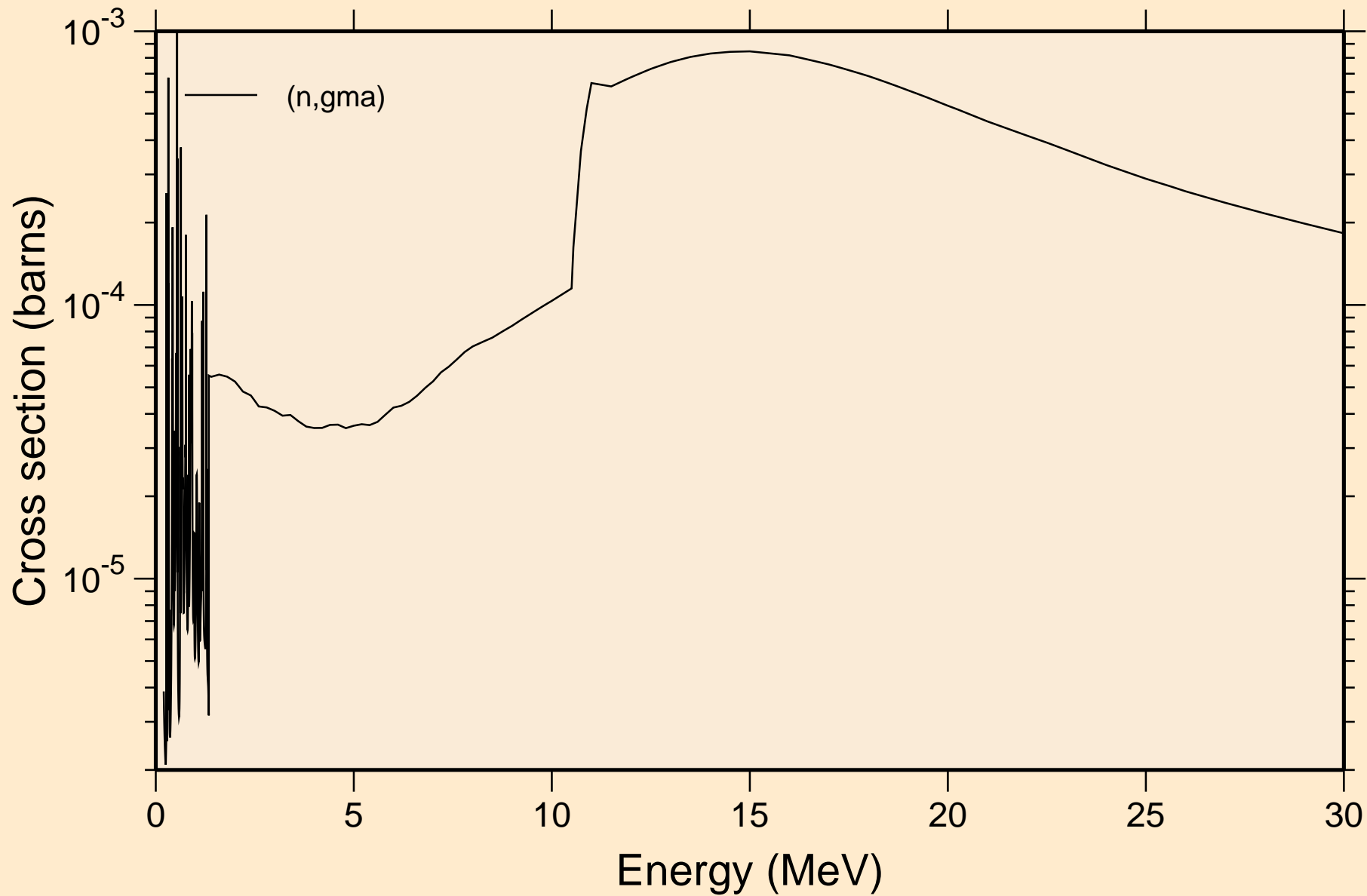
CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Heating



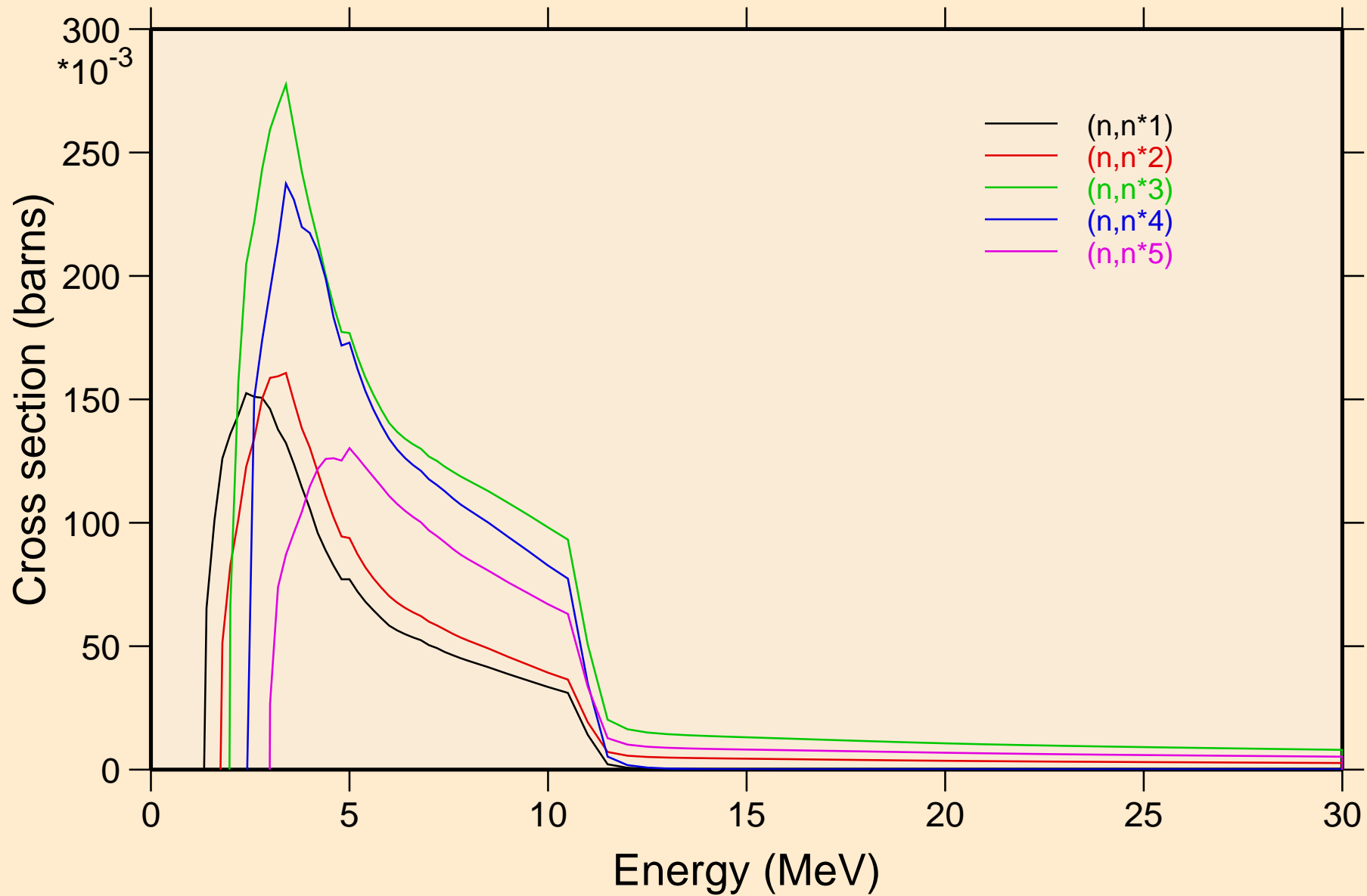
CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Damage



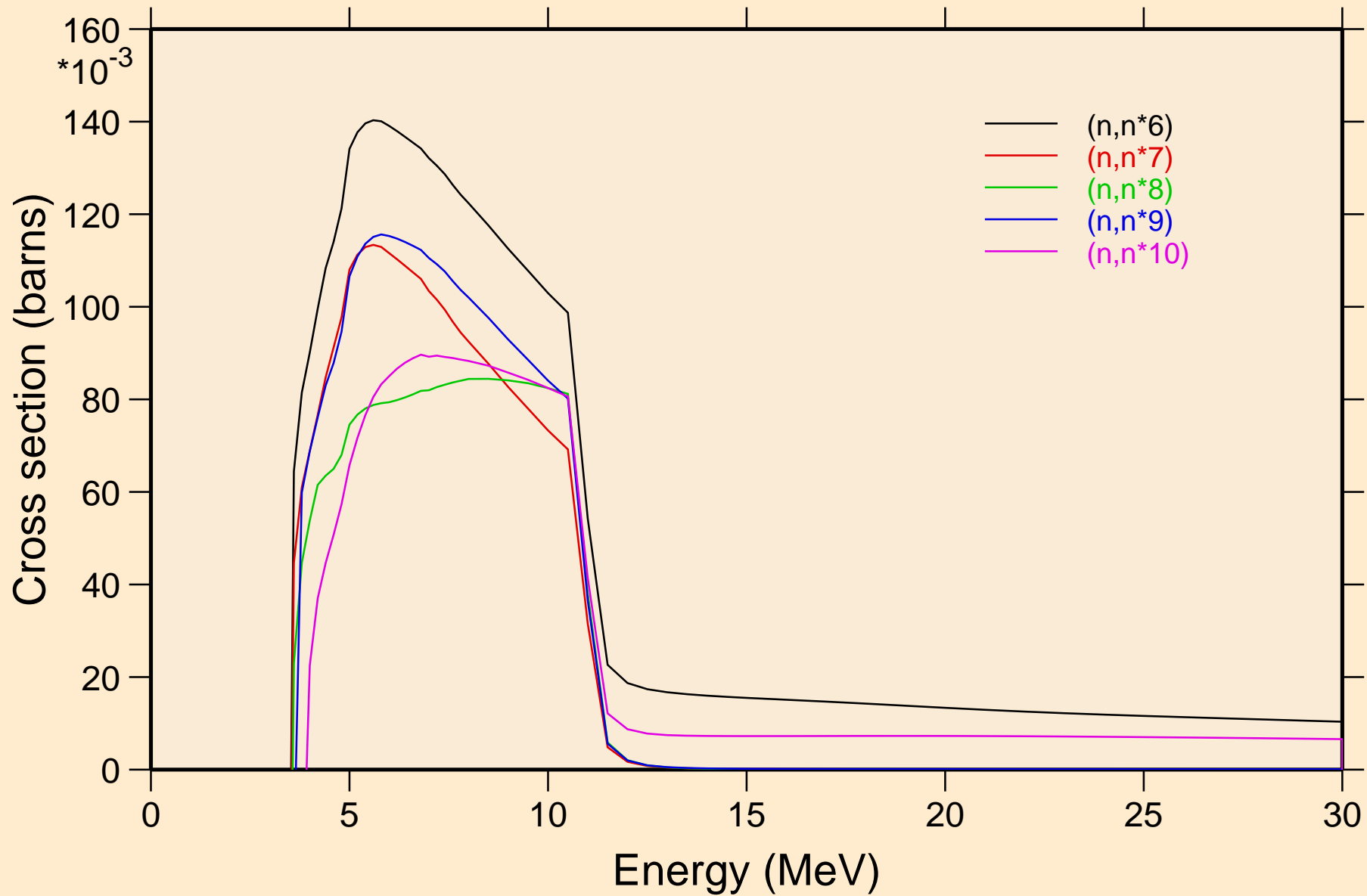
CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Non-threshold reactions



CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Inelastic levels

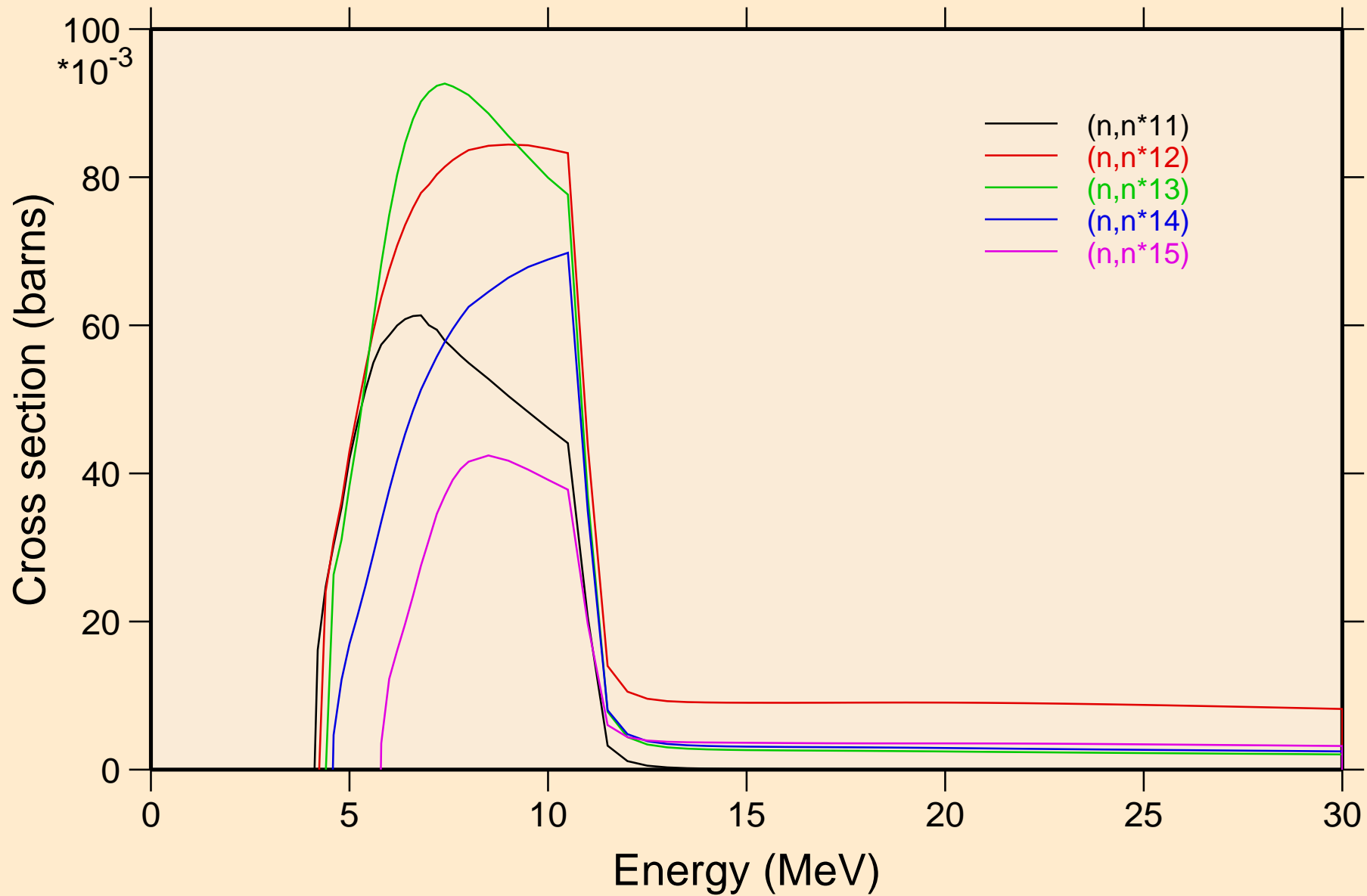


CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Inelastic levels

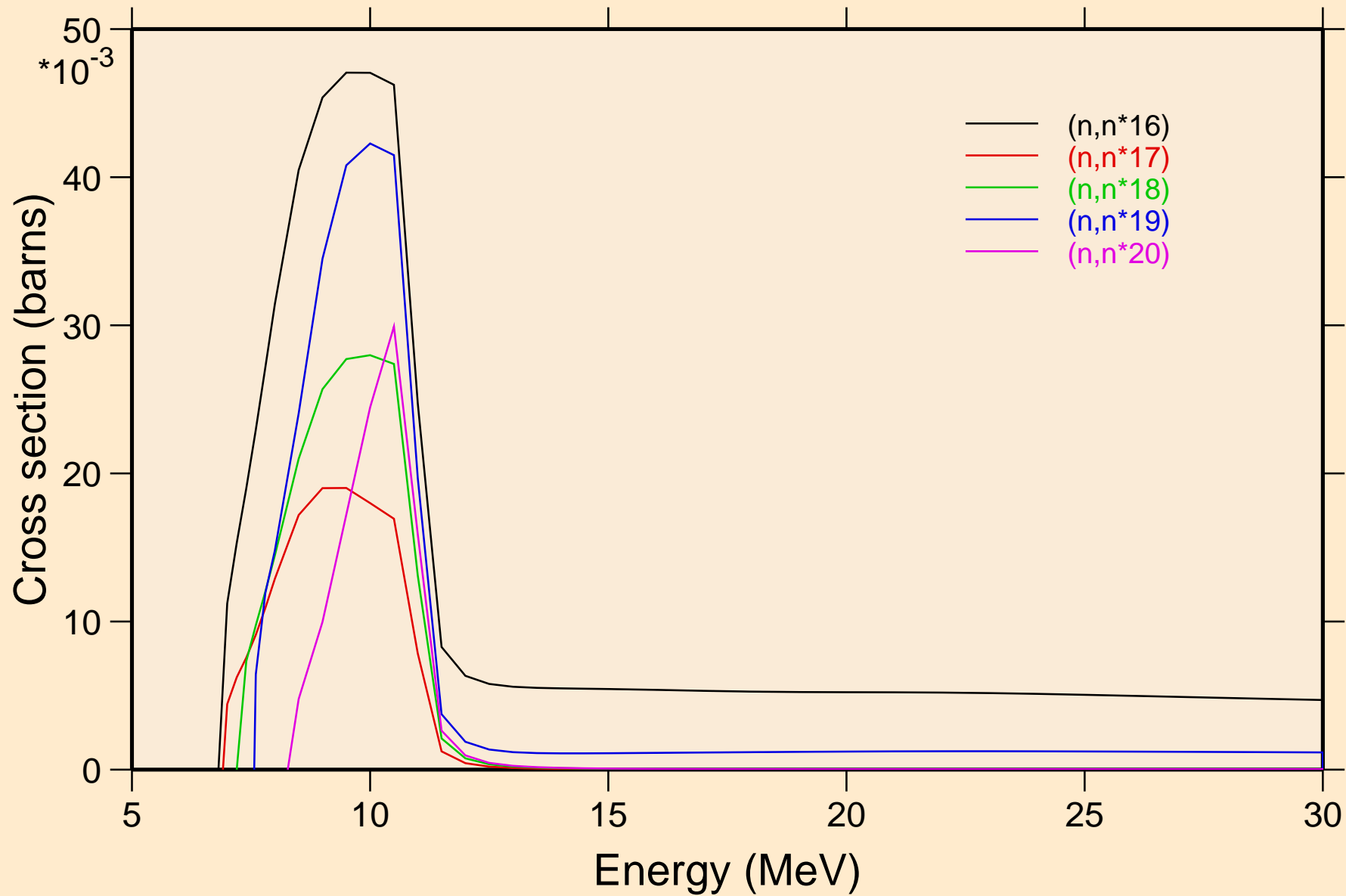




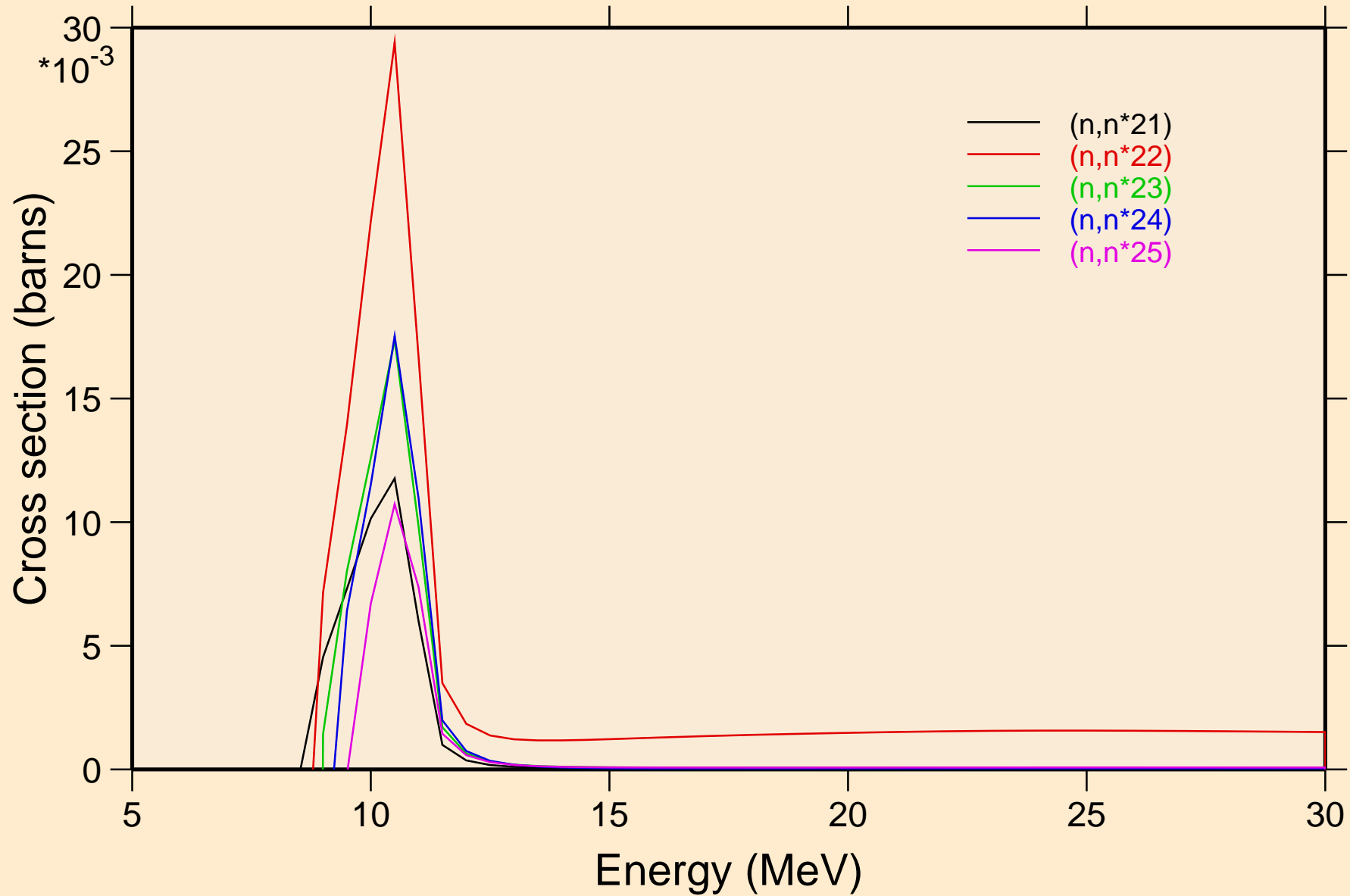
CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Inelastic levels



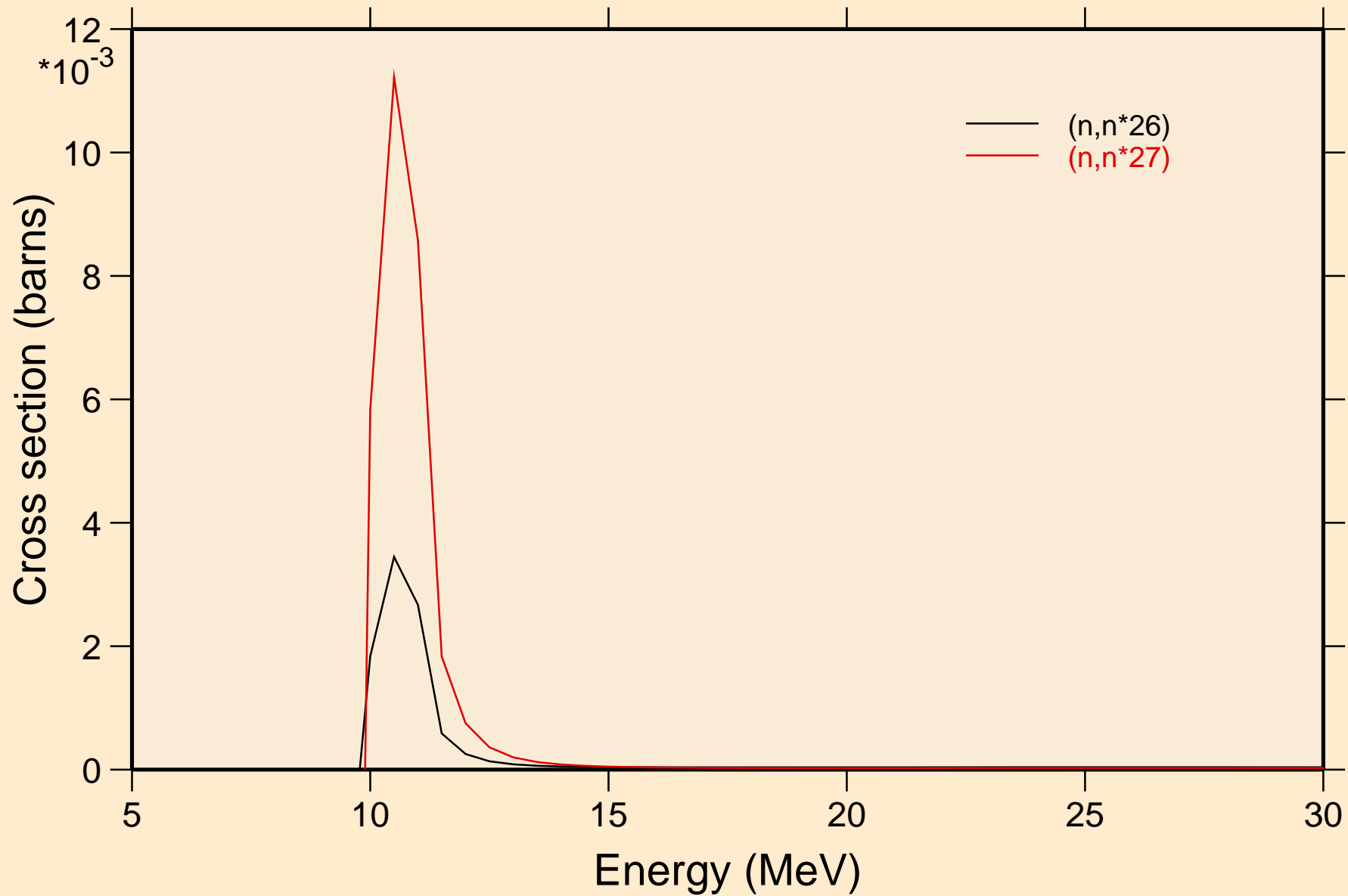
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Inelastic levels



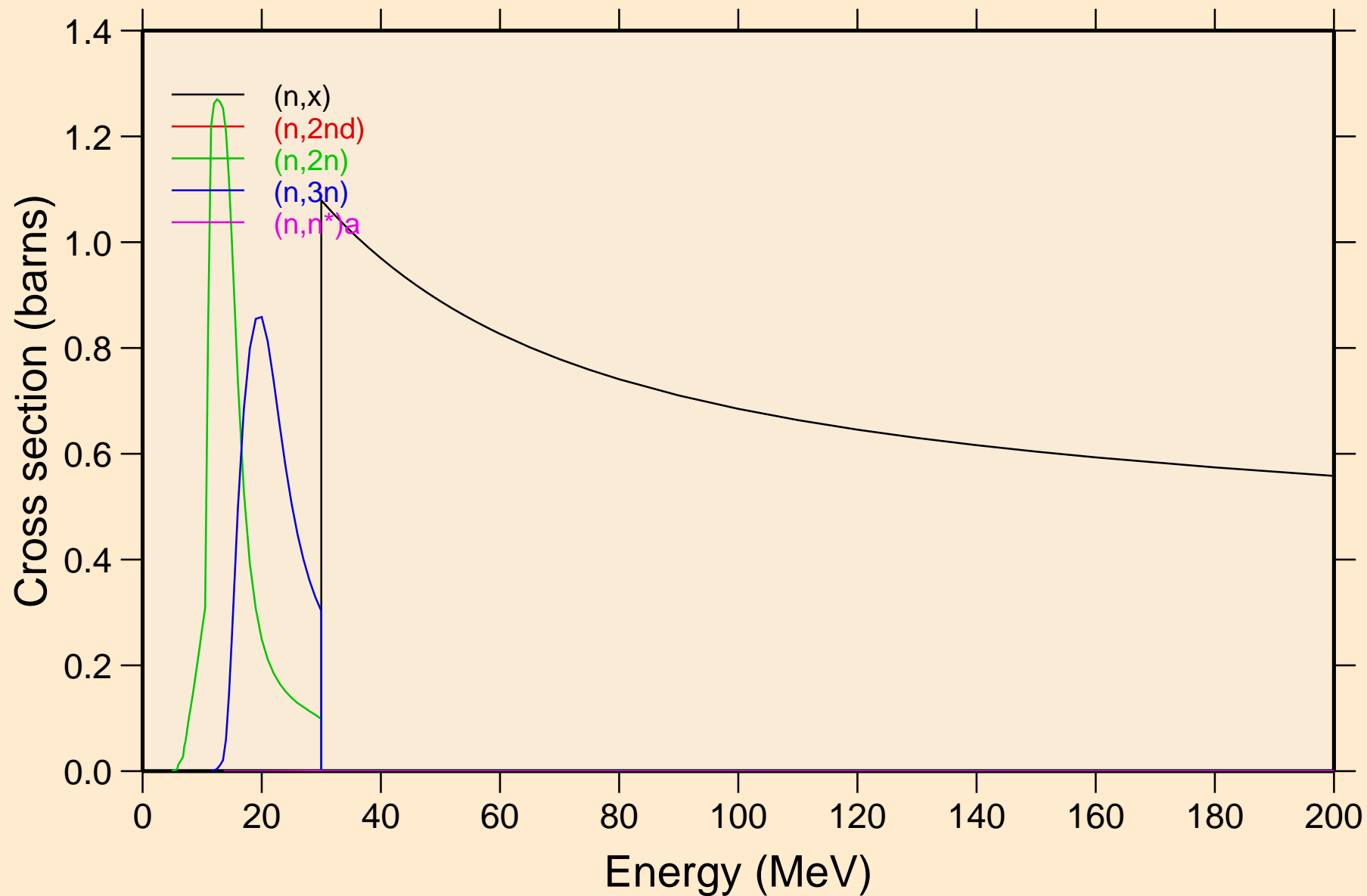
CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Inelastic levels



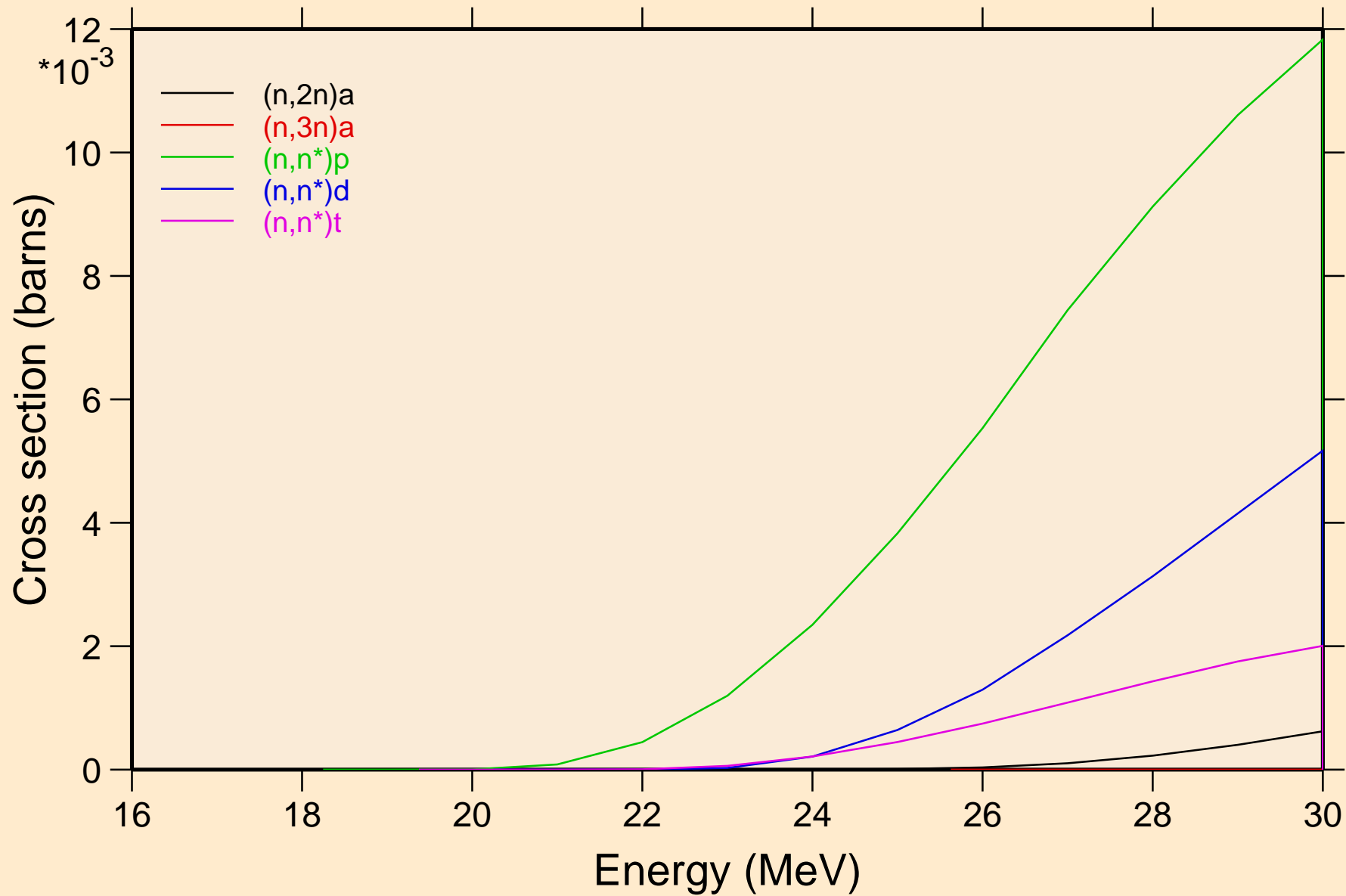
CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Inelastic levels



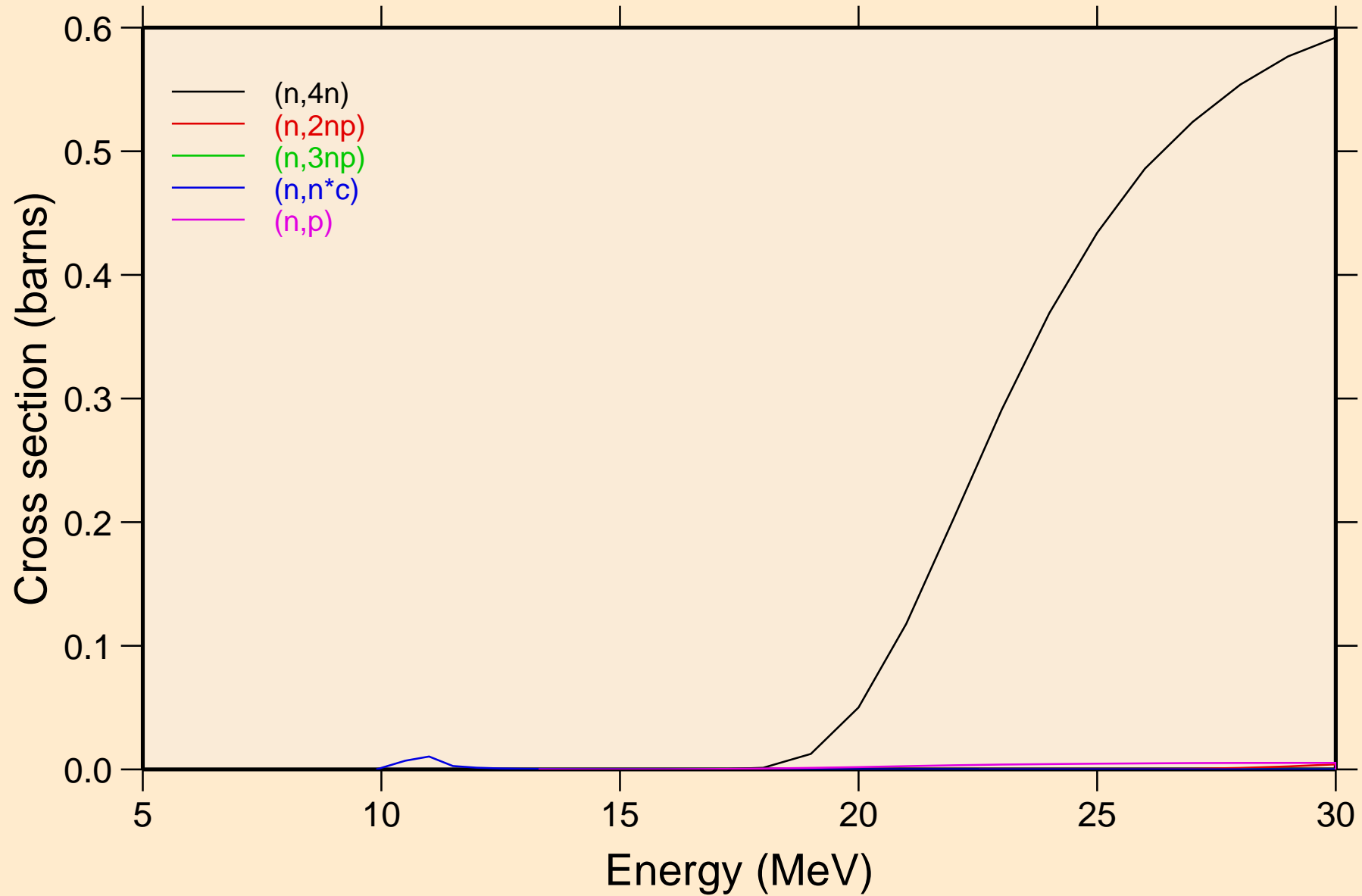
CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Threshold reactions



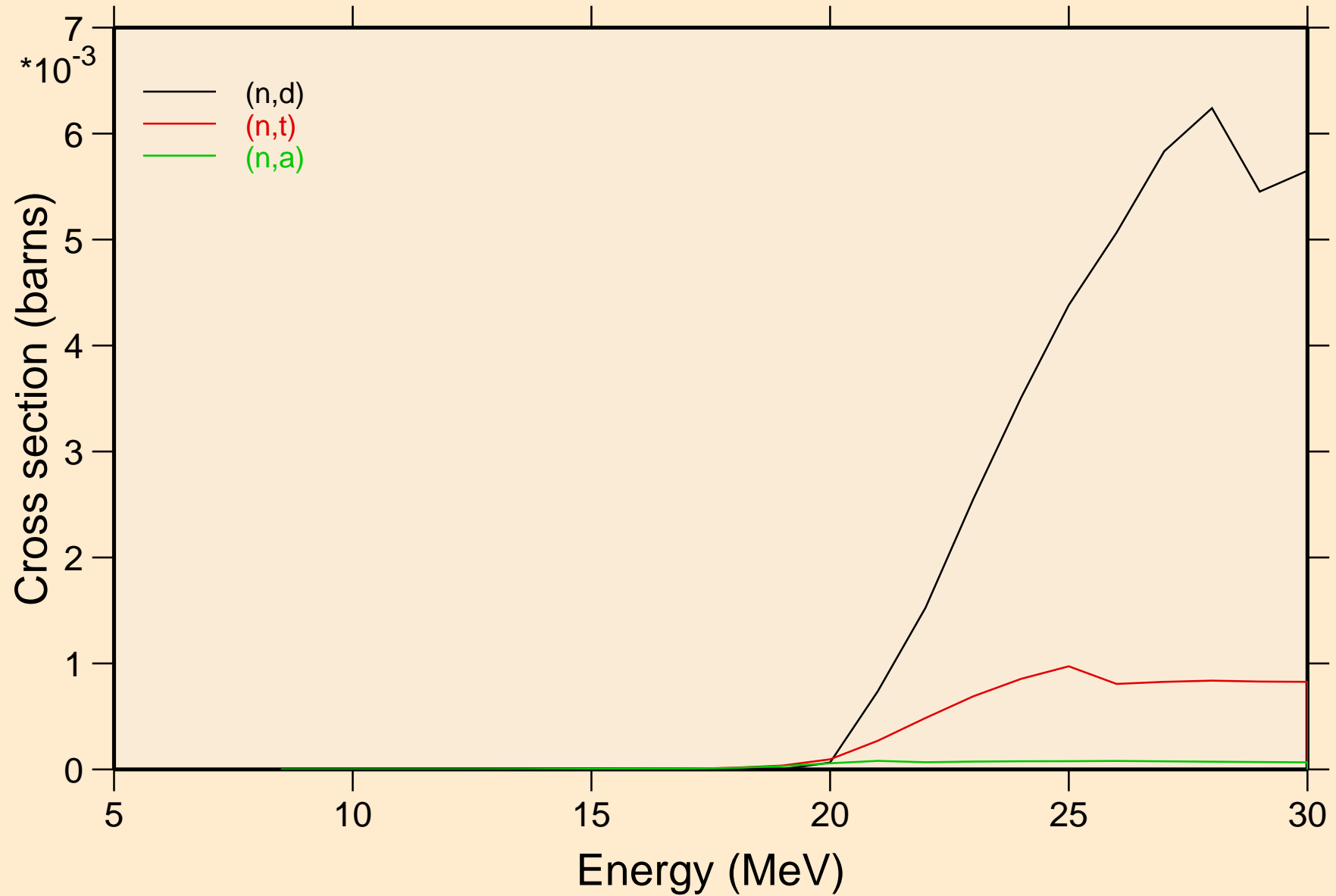
CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Threshold reactions



CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Threshold reactions

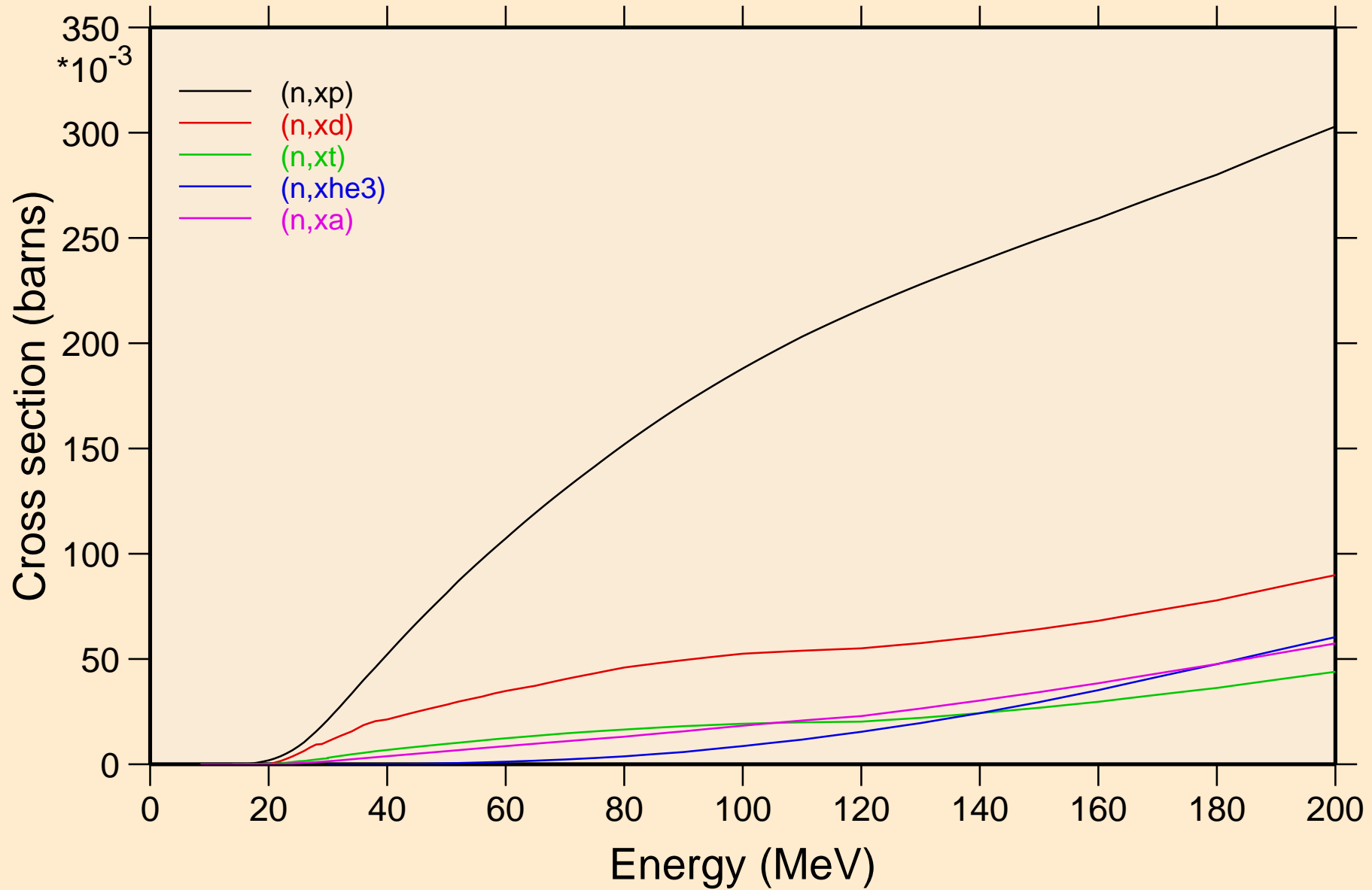


CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Threshold reactions

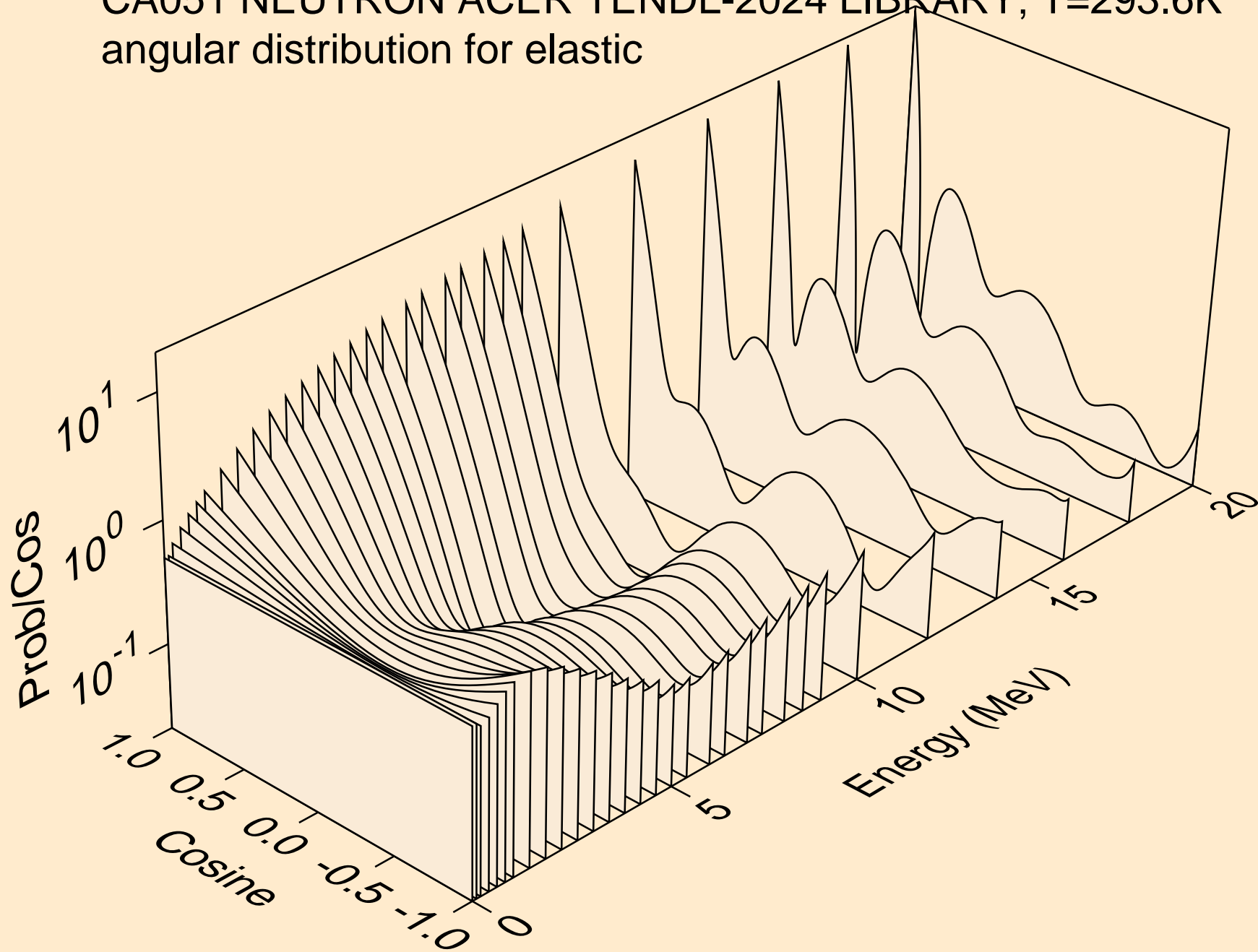




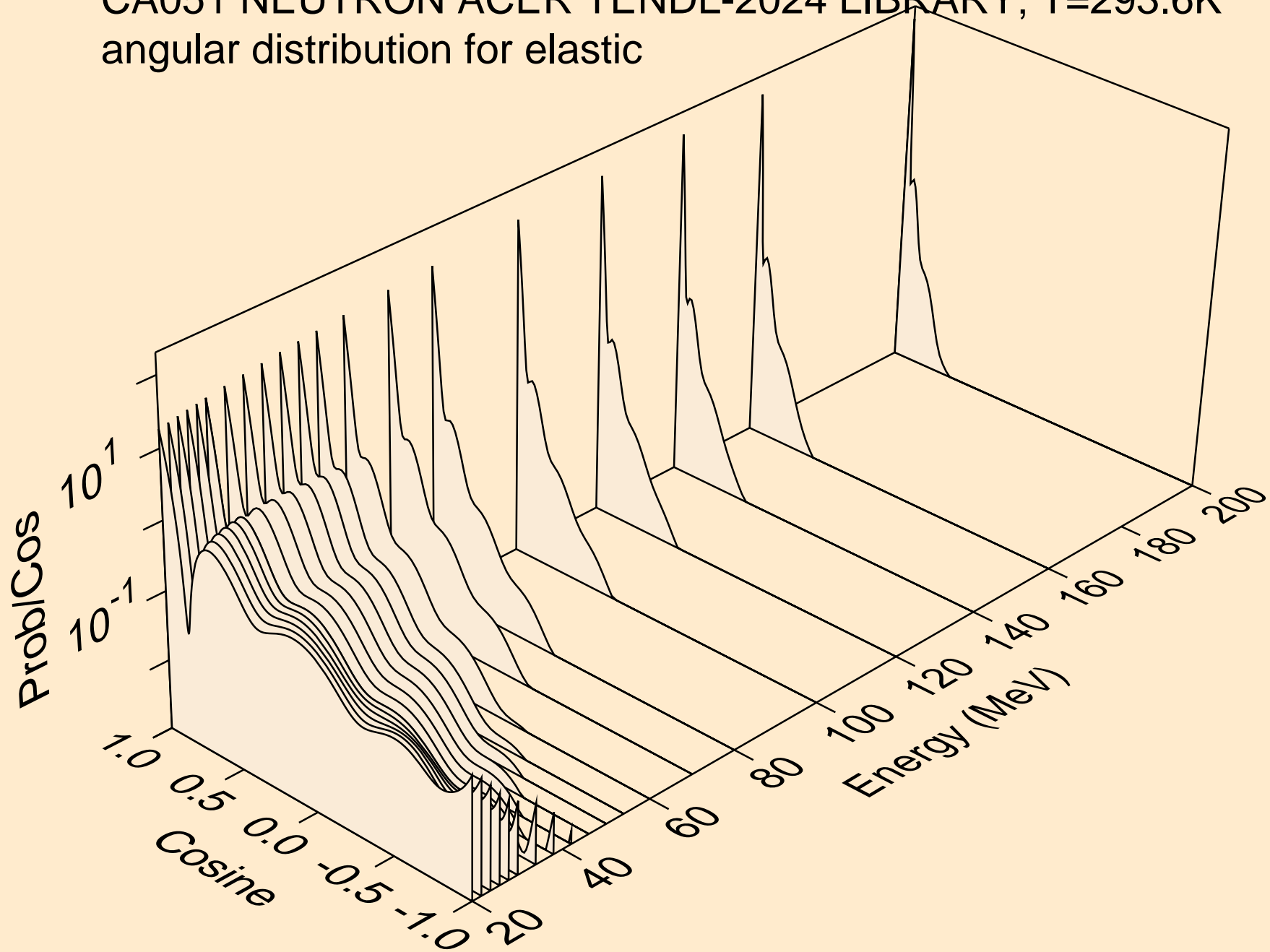
CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Threshold reactions



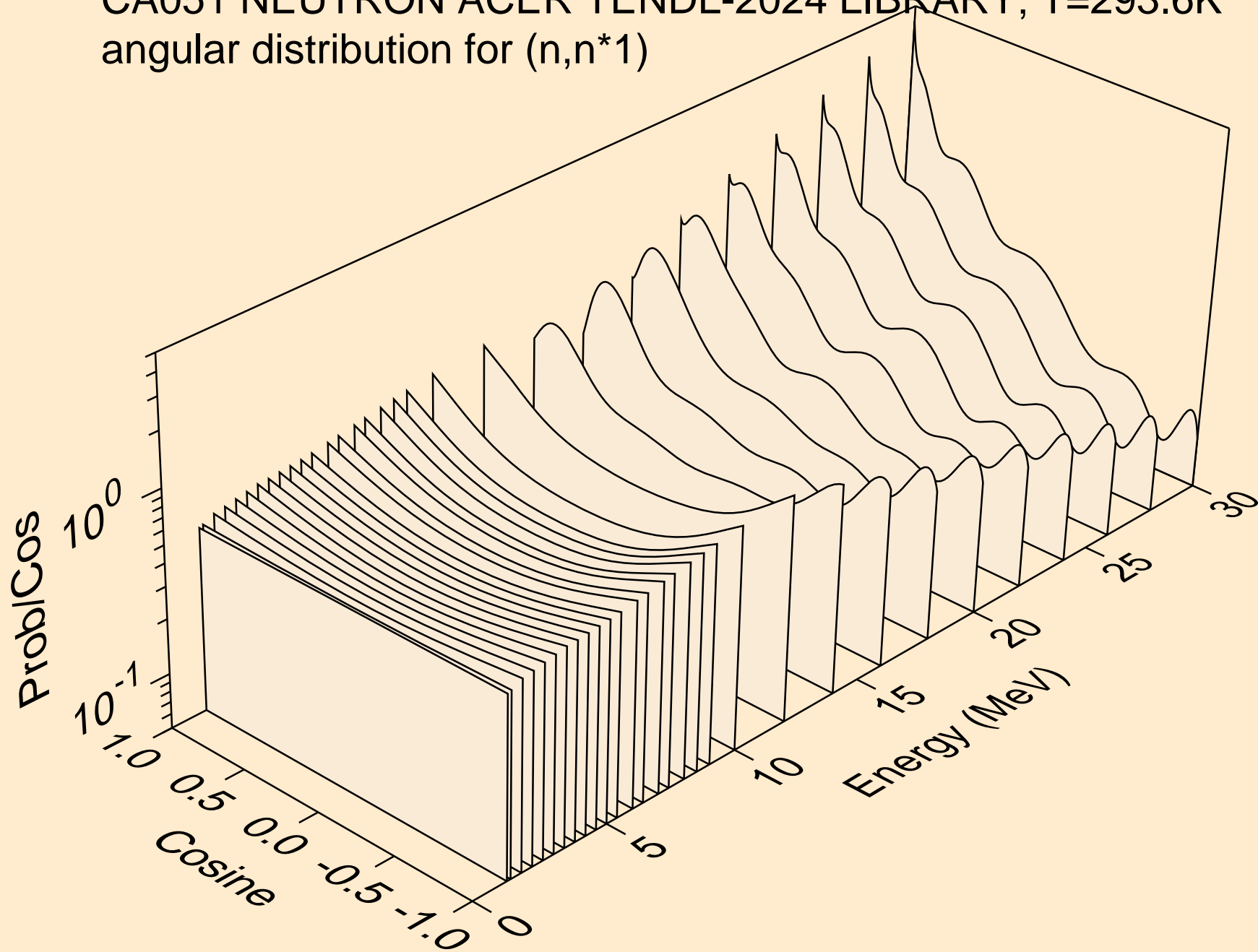
CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for elastic



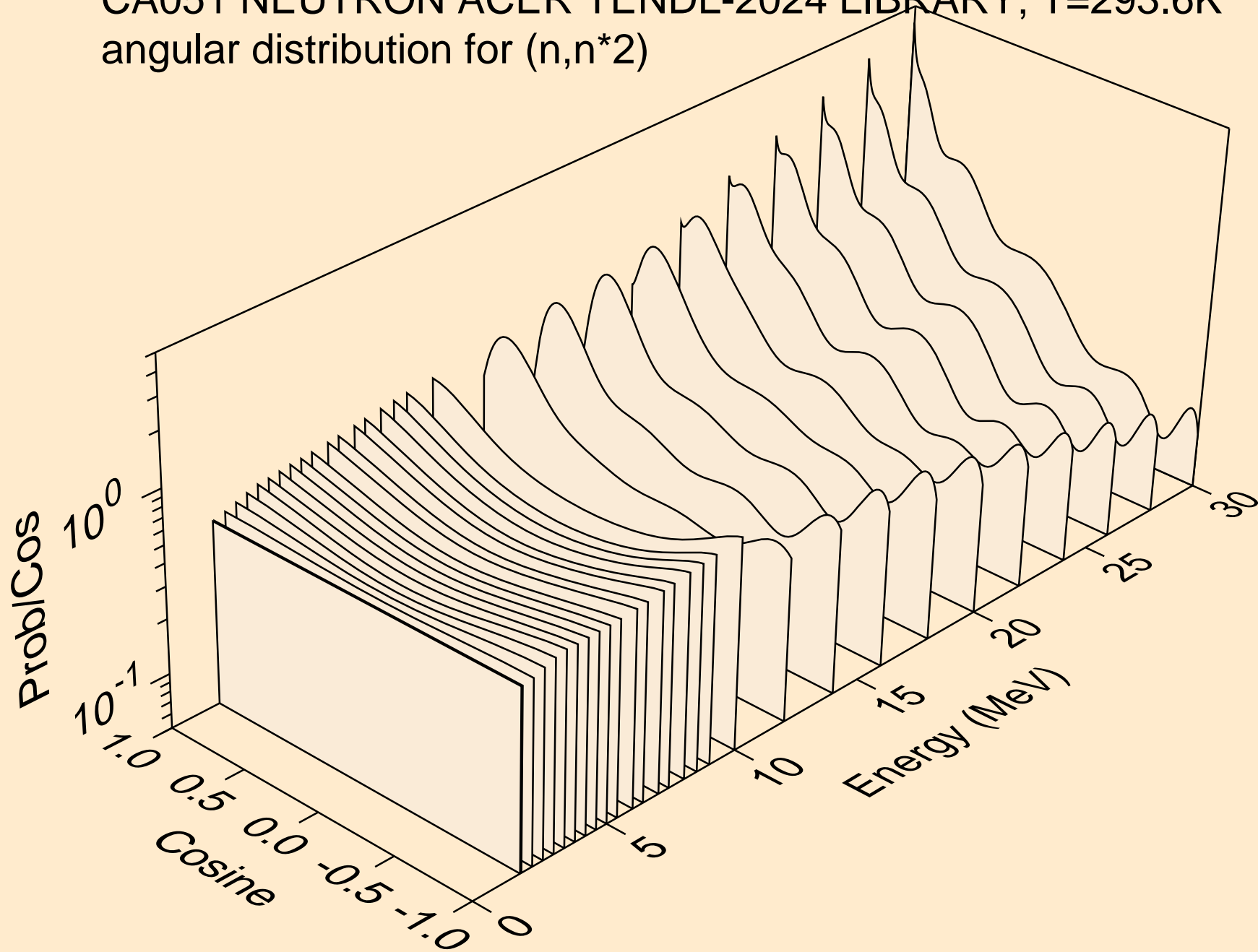
CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for elastic



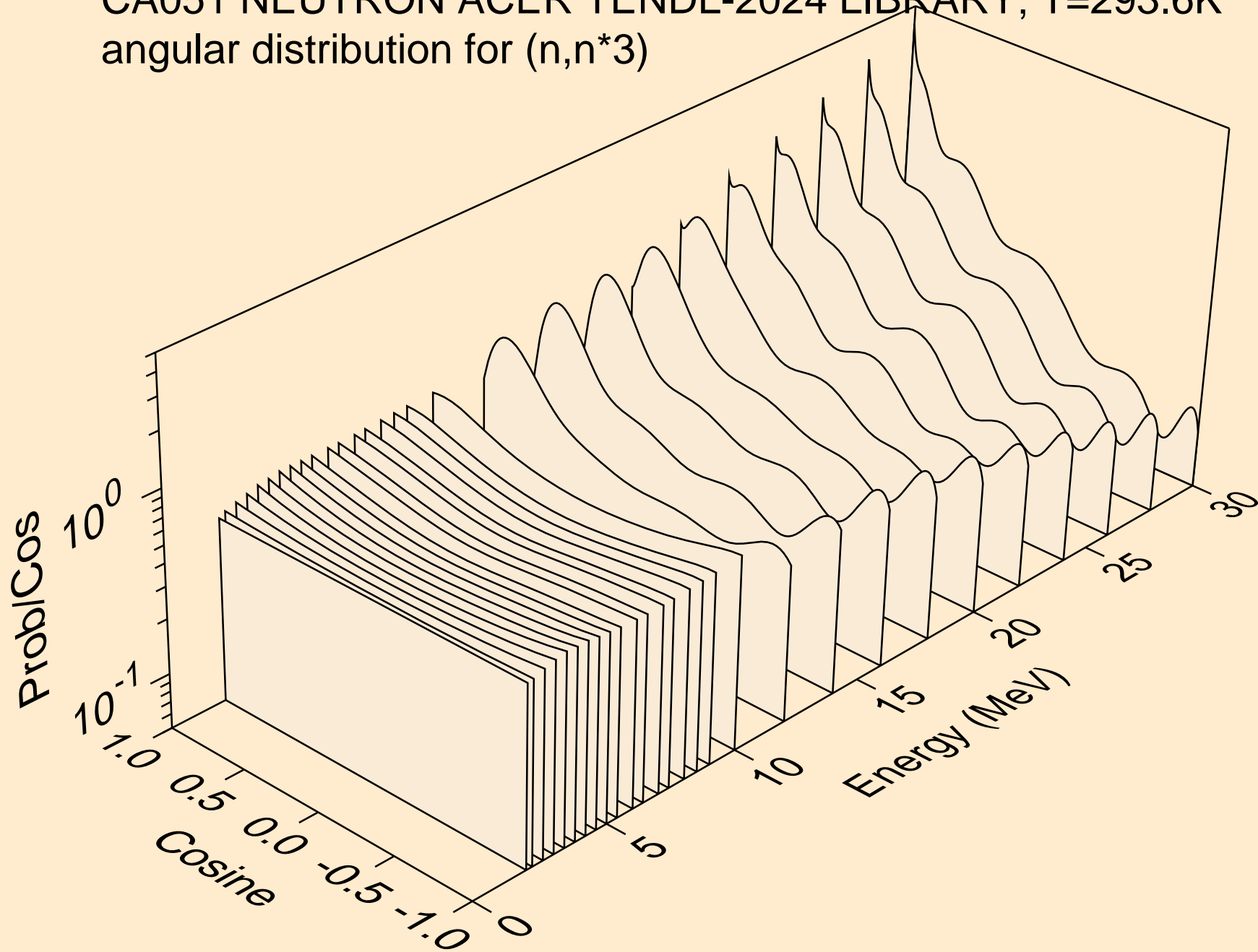
CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*1)



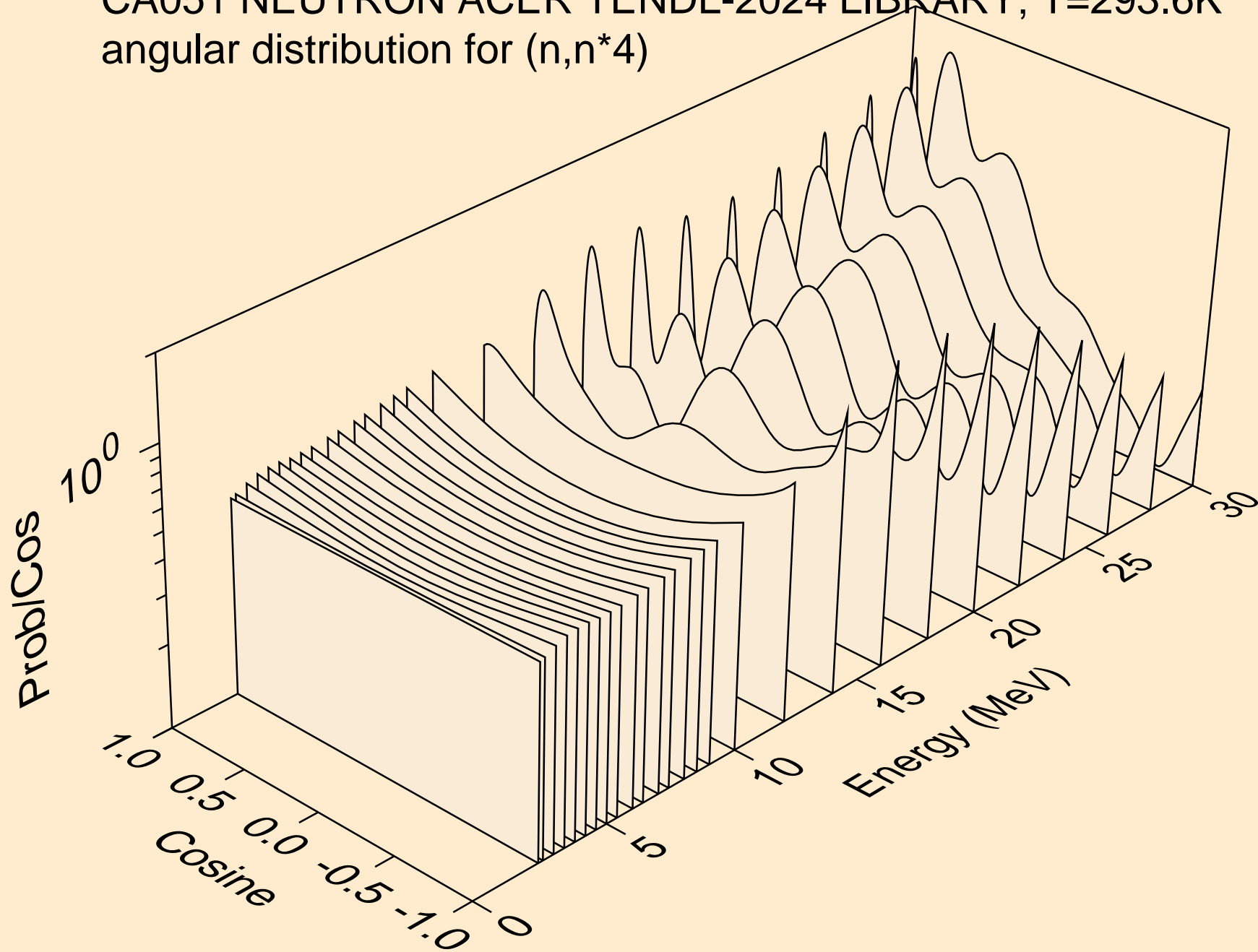
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angular distribution for (n,n\*2)



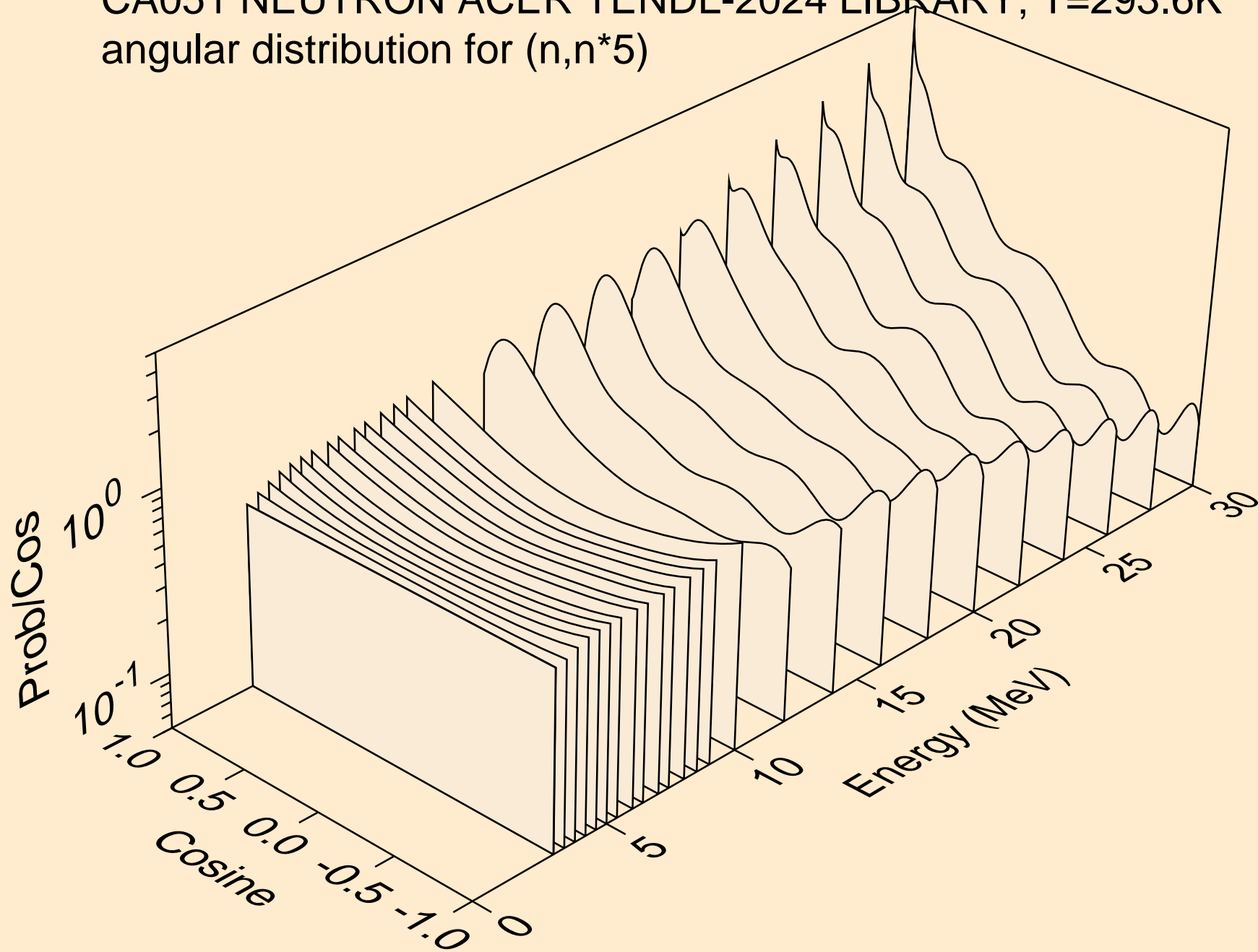
CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*3)



CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*4)

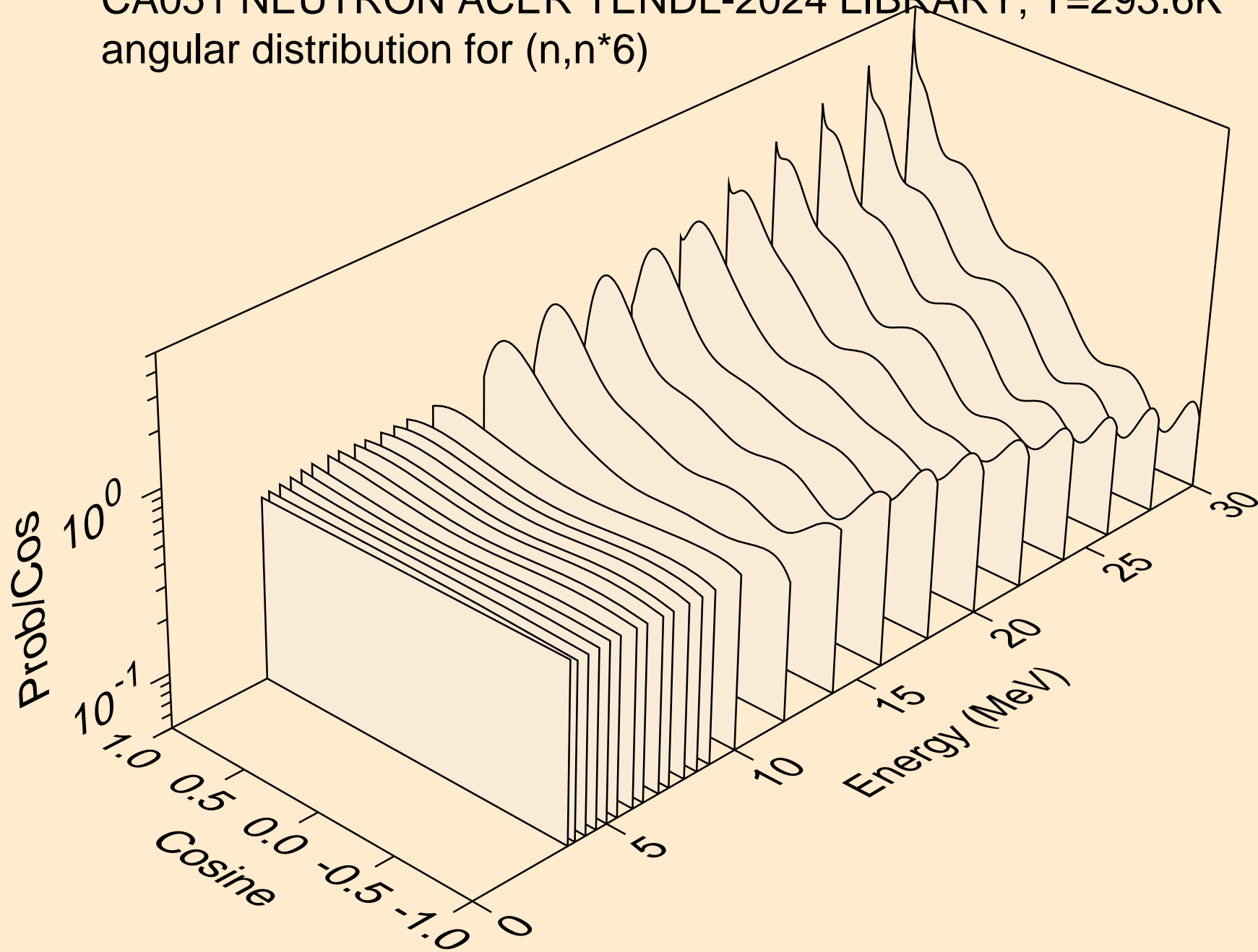


CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*5)

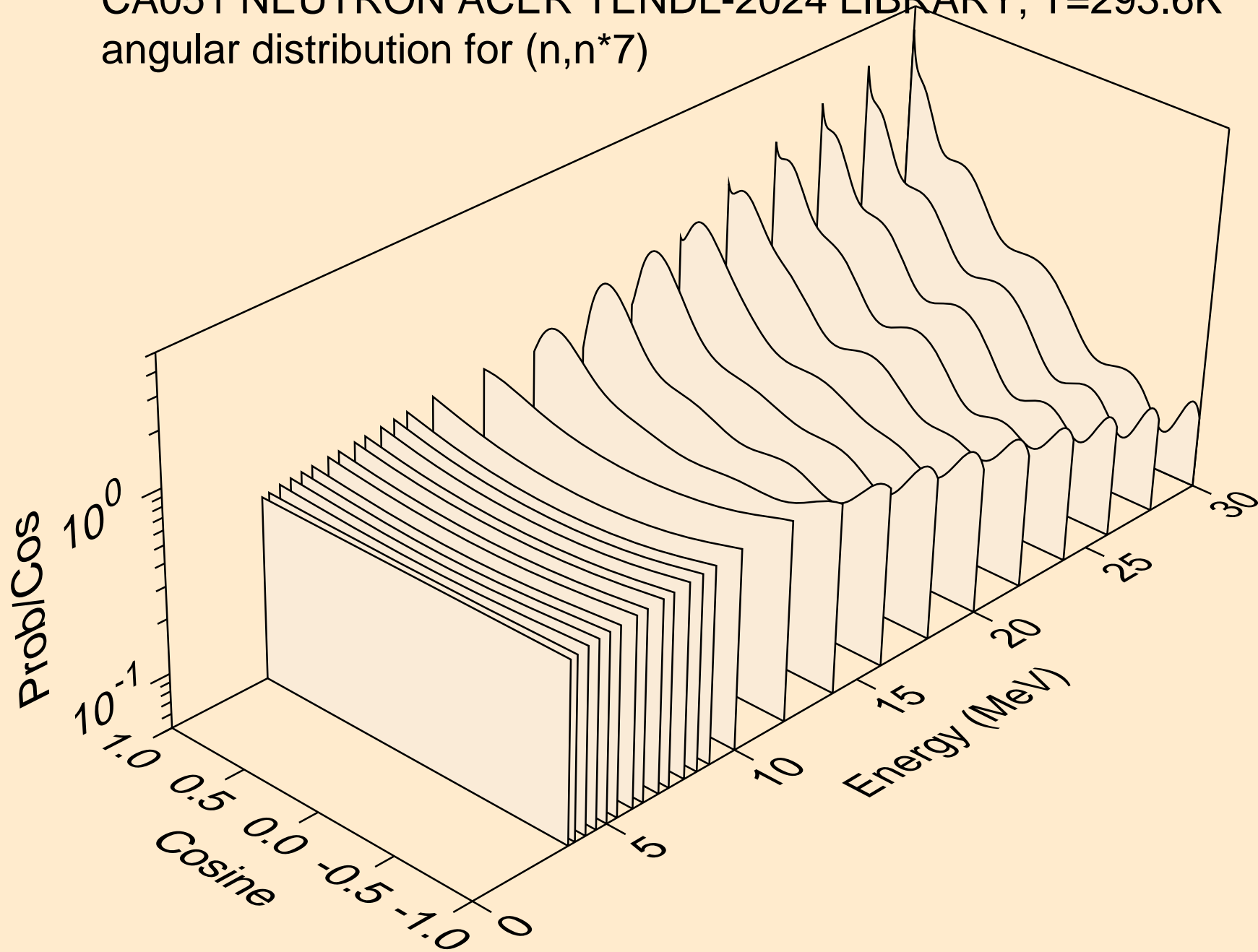




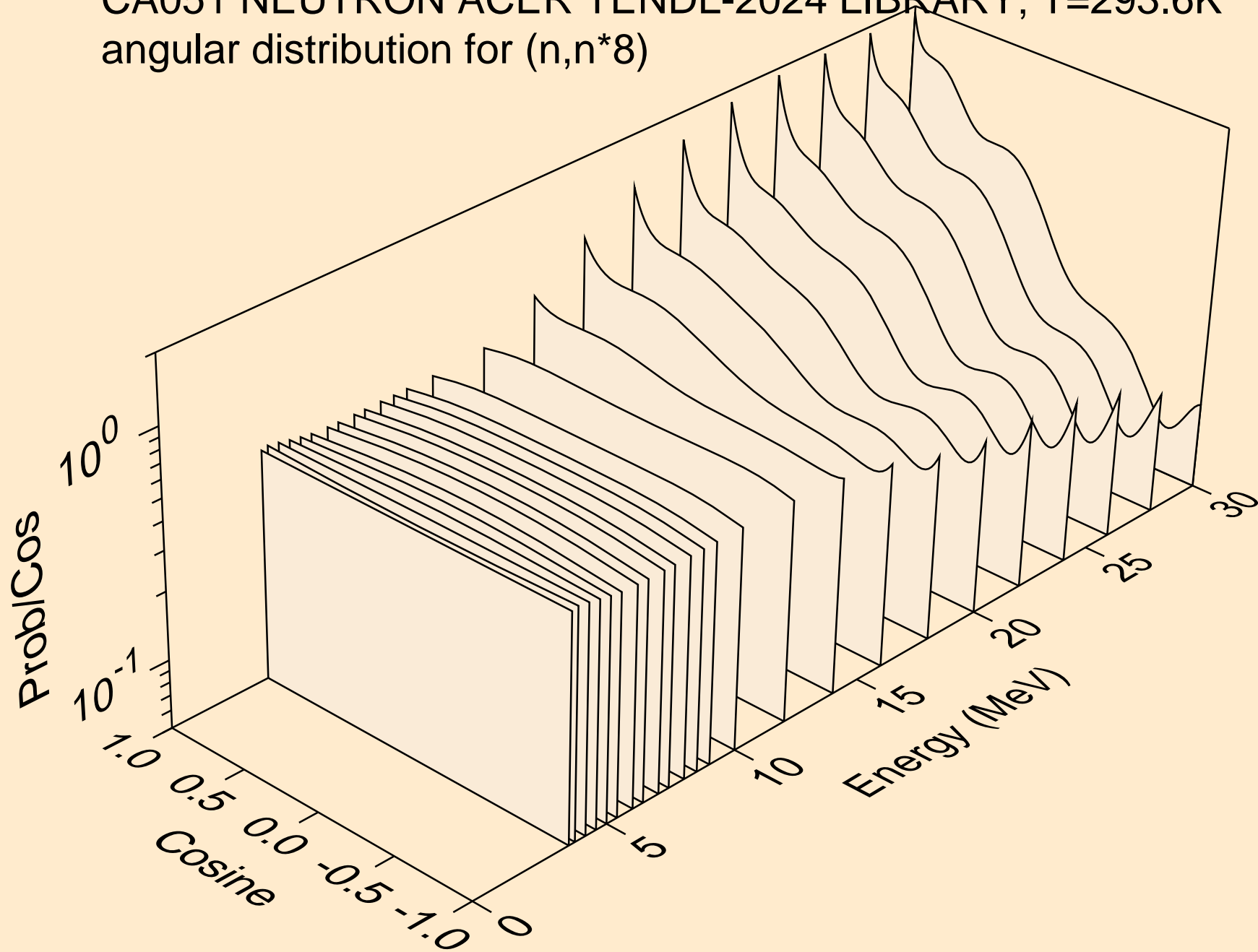
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angular distribution for (n,n\*6)



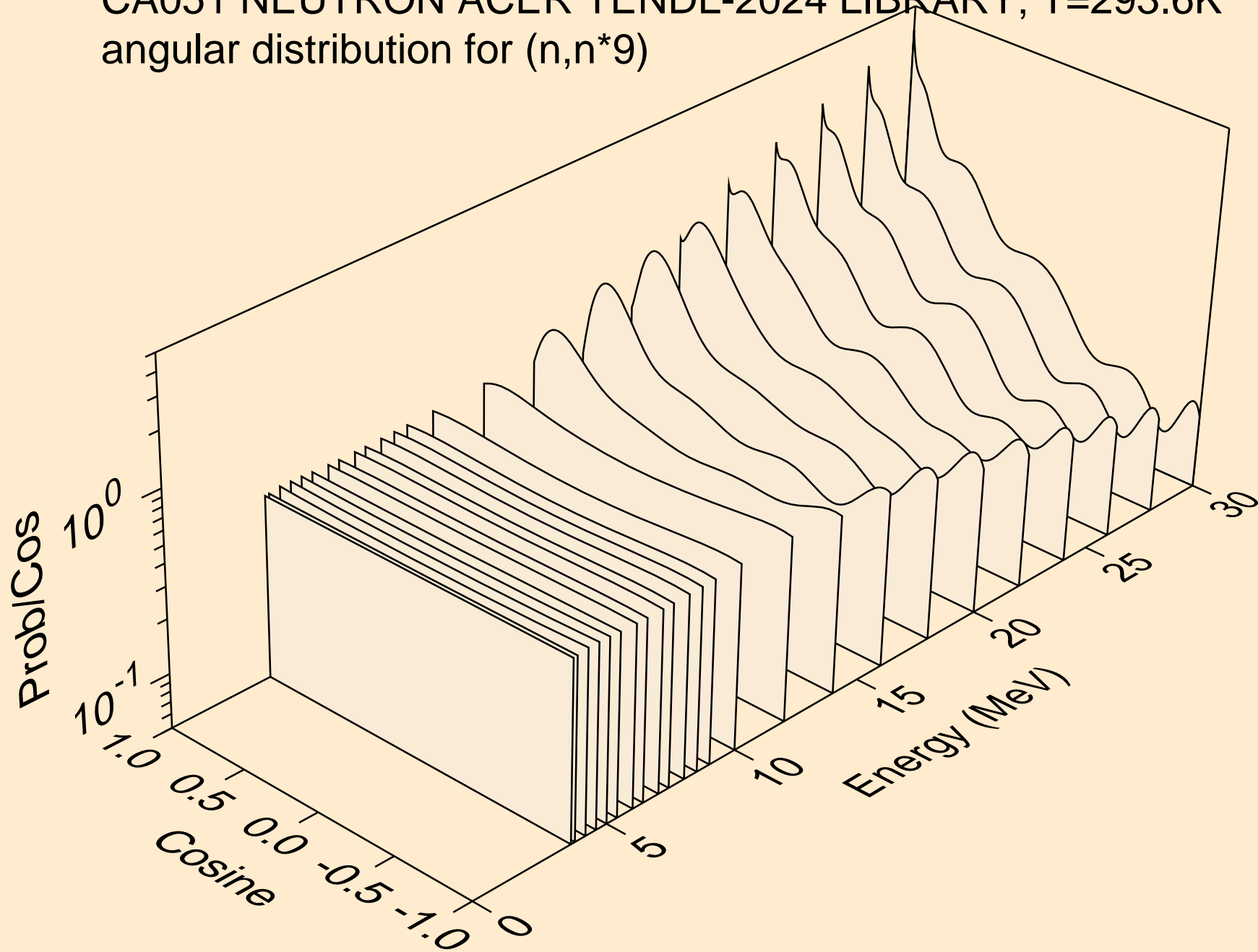
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angular distribution for (n,n\*7)



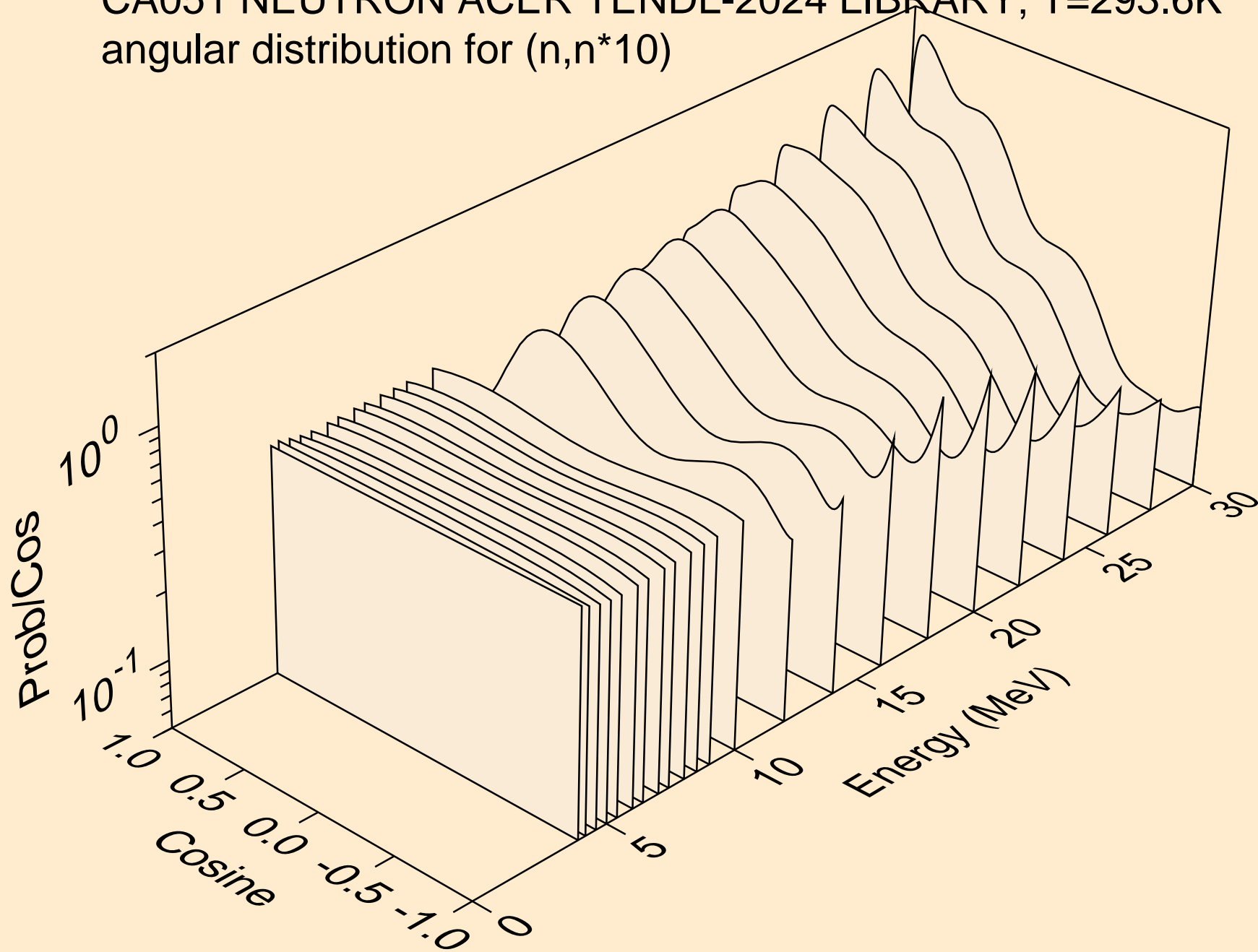
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angular distribution for (n,n\*8)



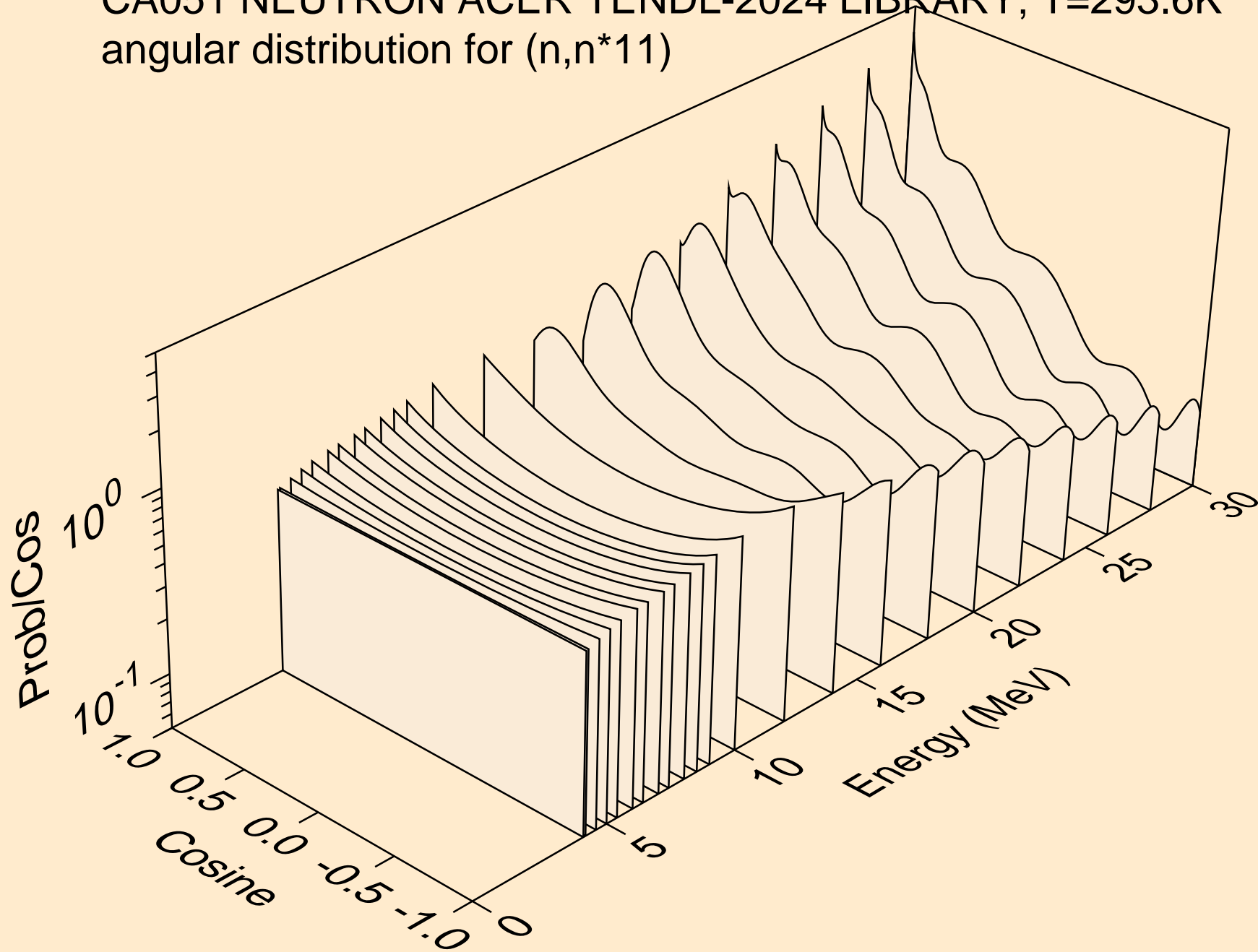
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angular distribution for (n,n\*9)



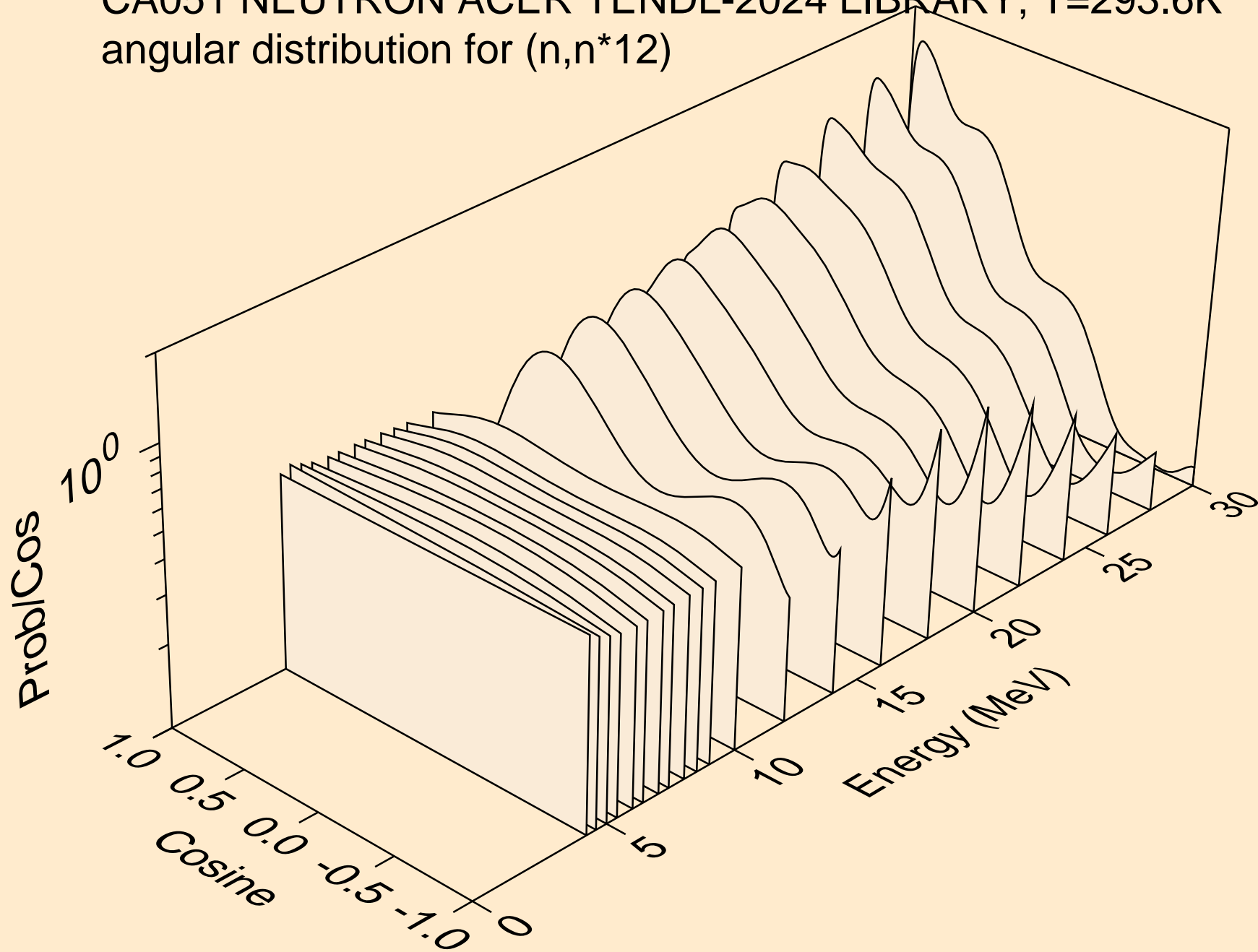
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angular distribution for (n,n\*10)



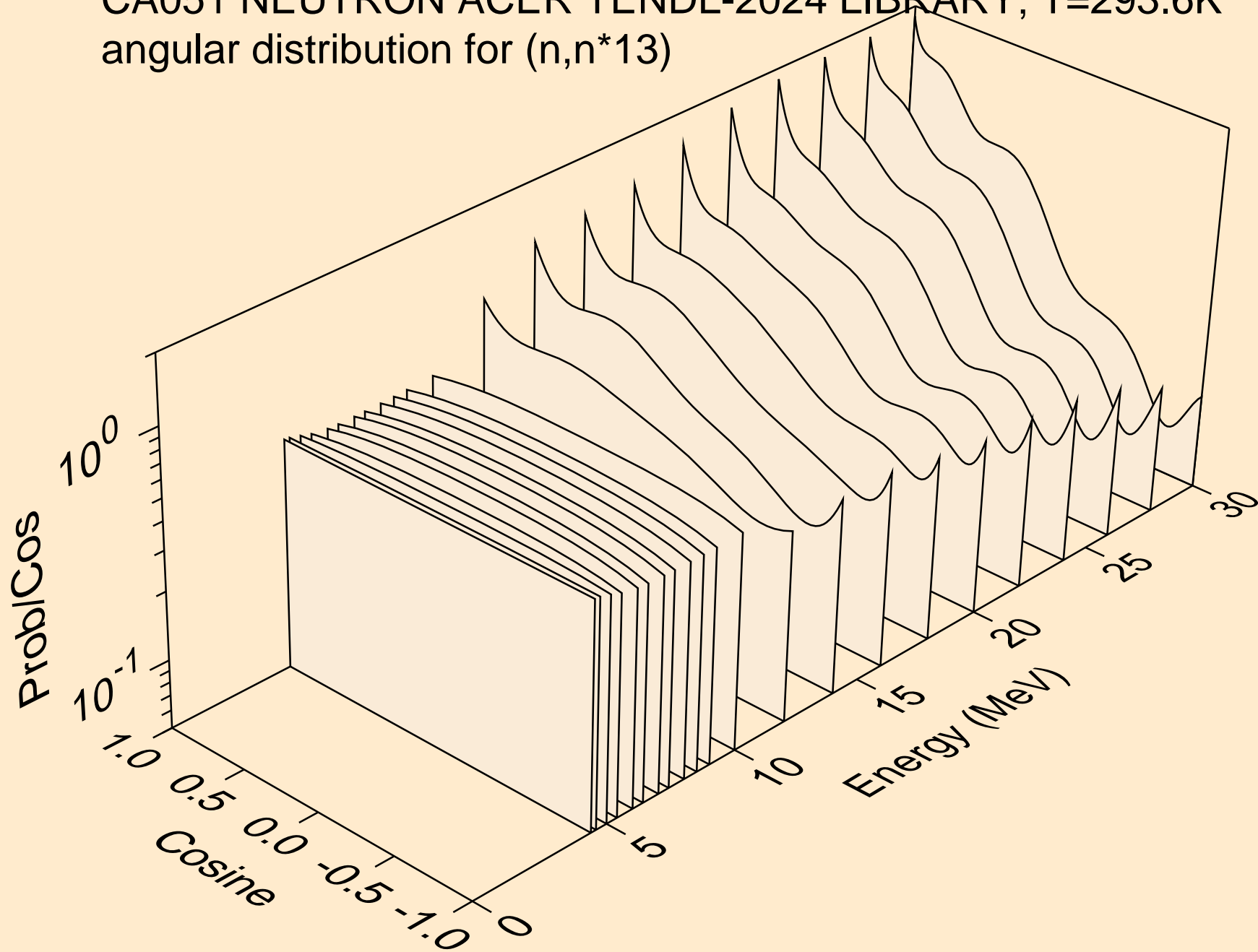
CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*11)



CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*12)

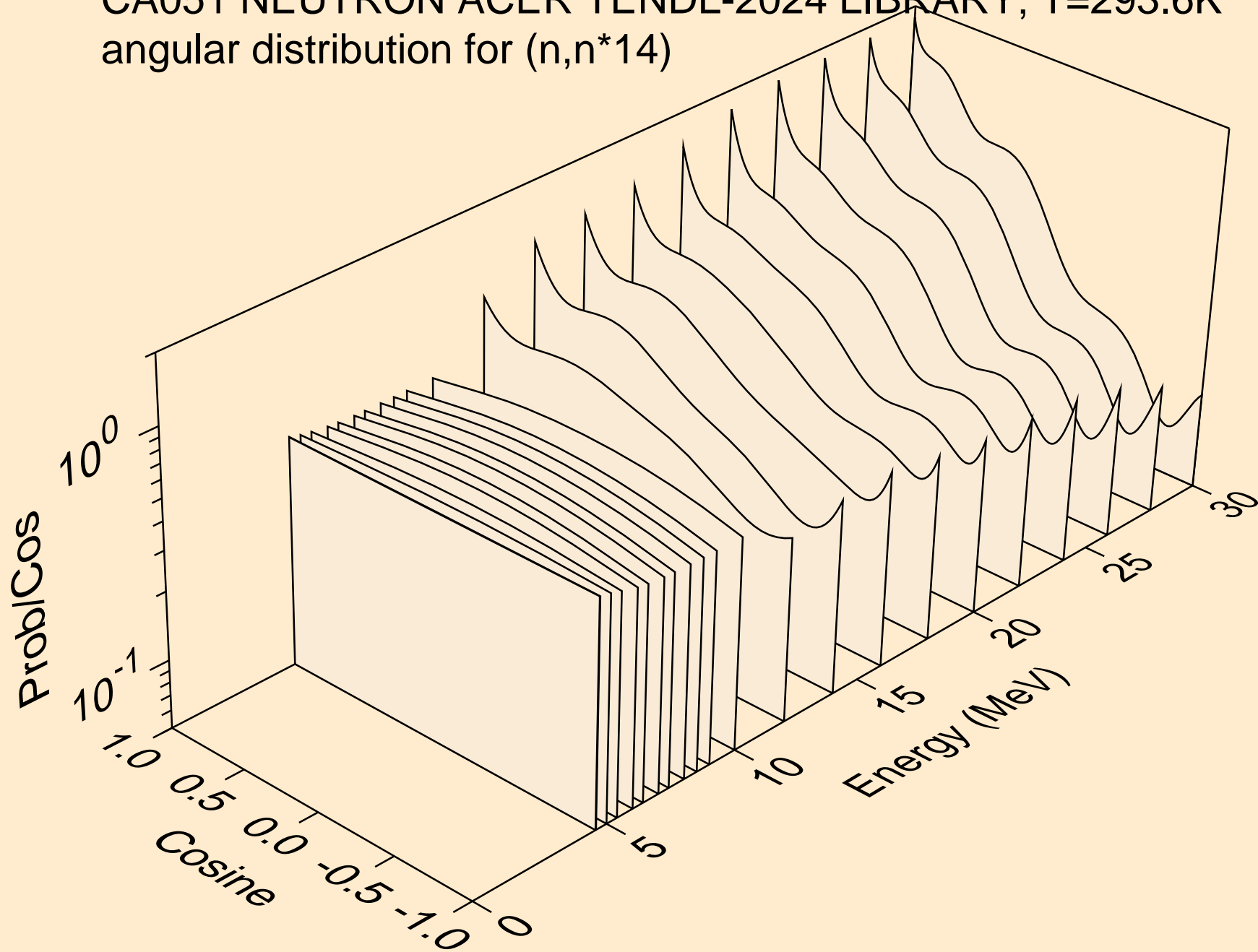


CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*13)

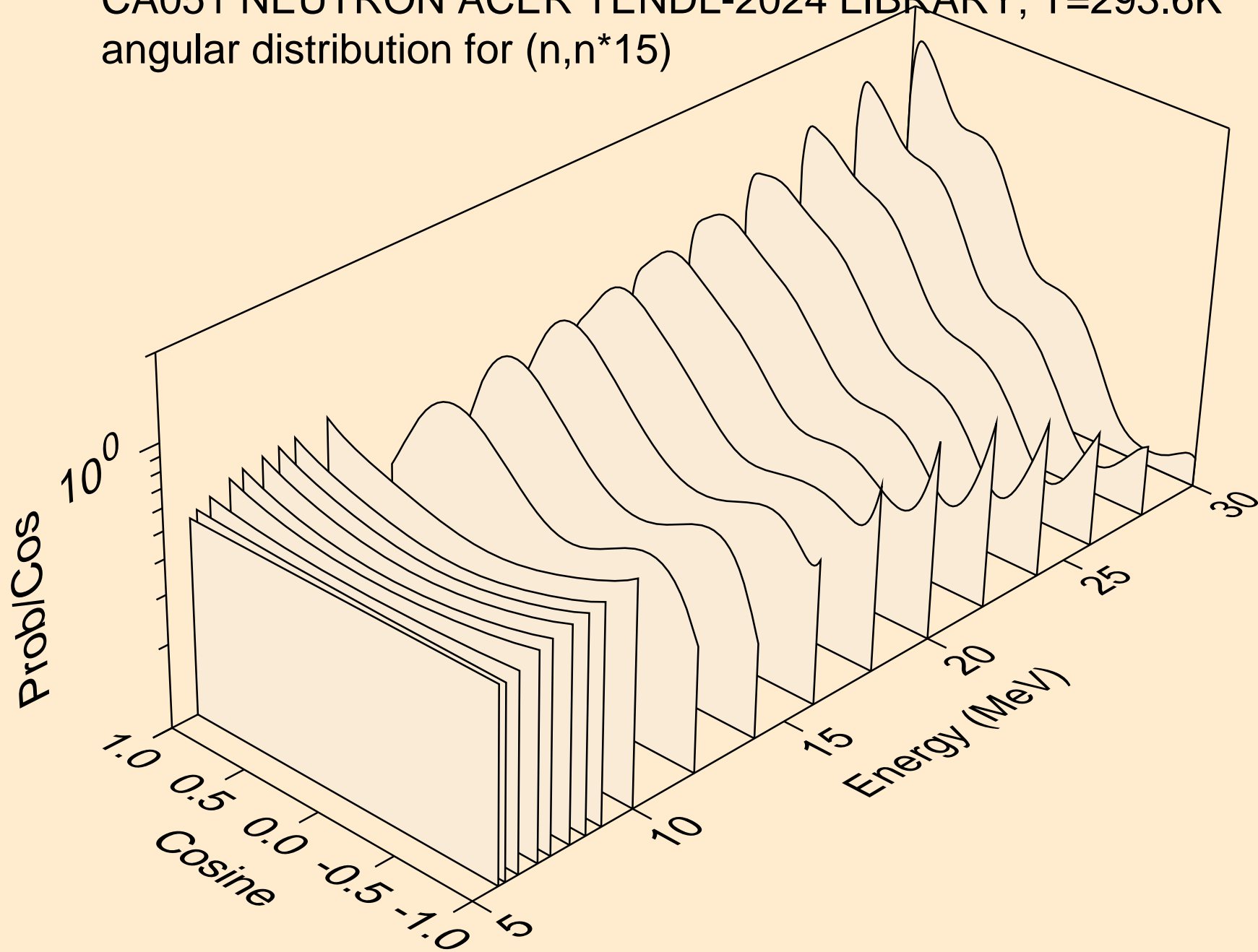




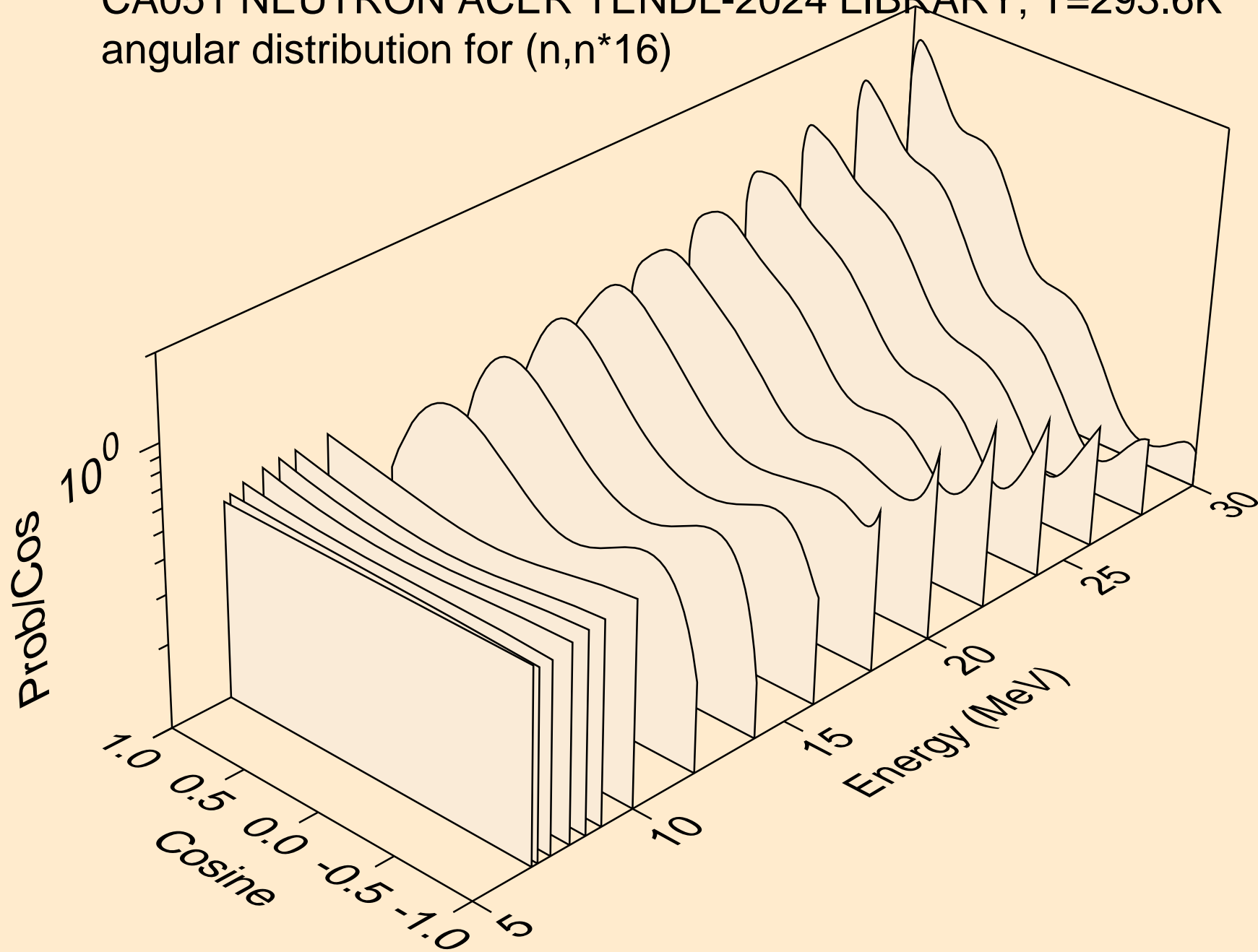
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angular distribution for (n,n\*14)



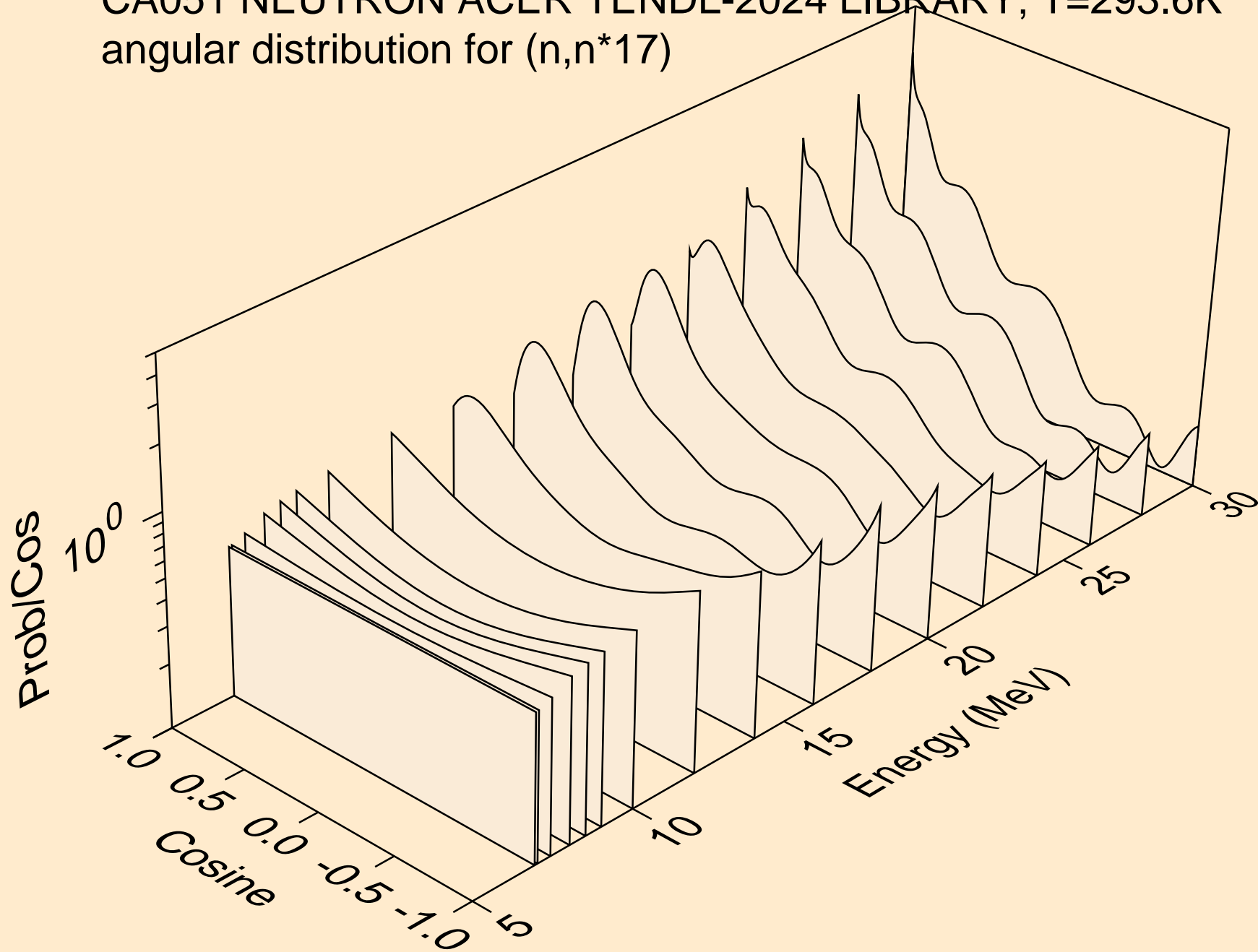
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angular distribution for (n,n\*15)



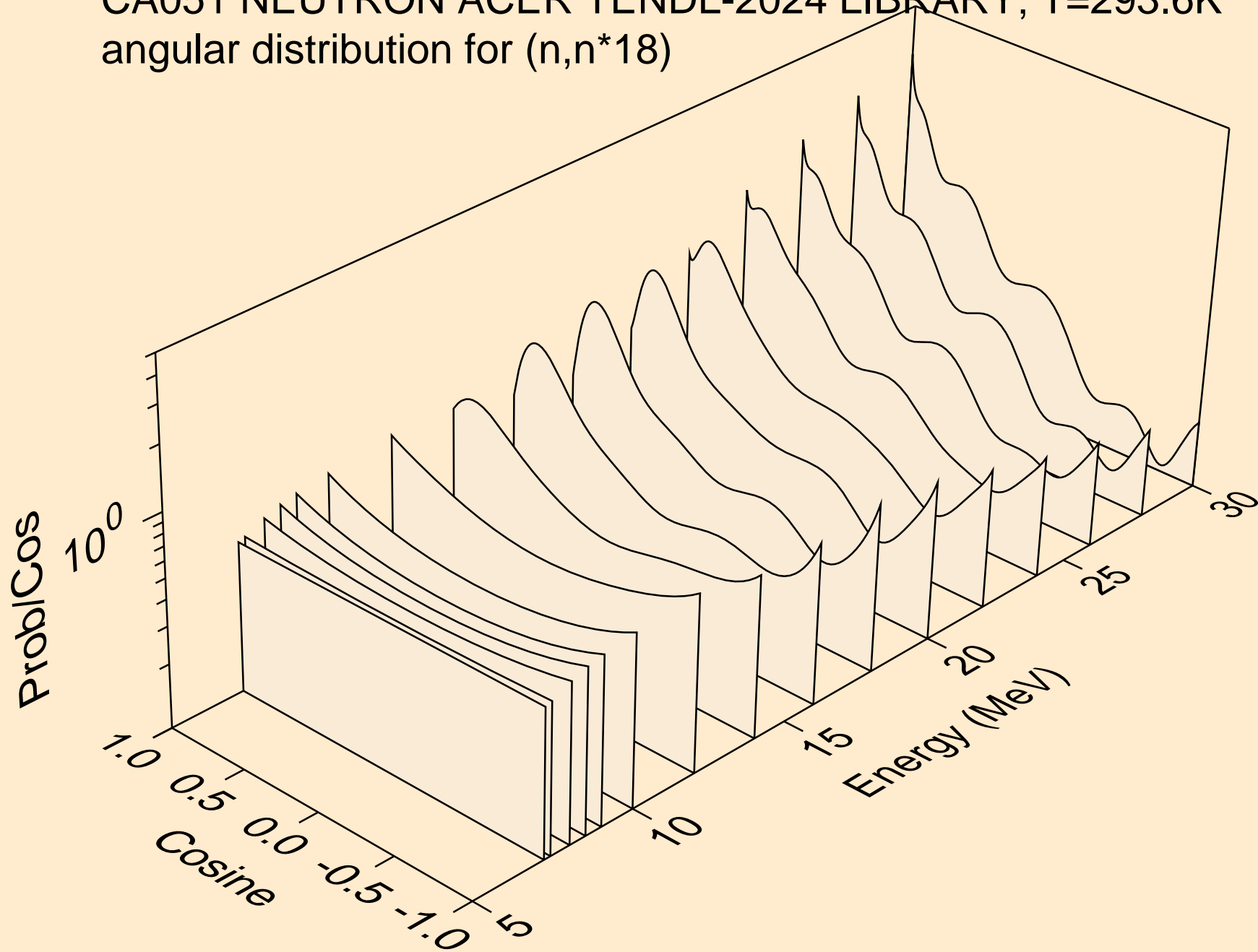
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angular distribution for (n,n\*16)



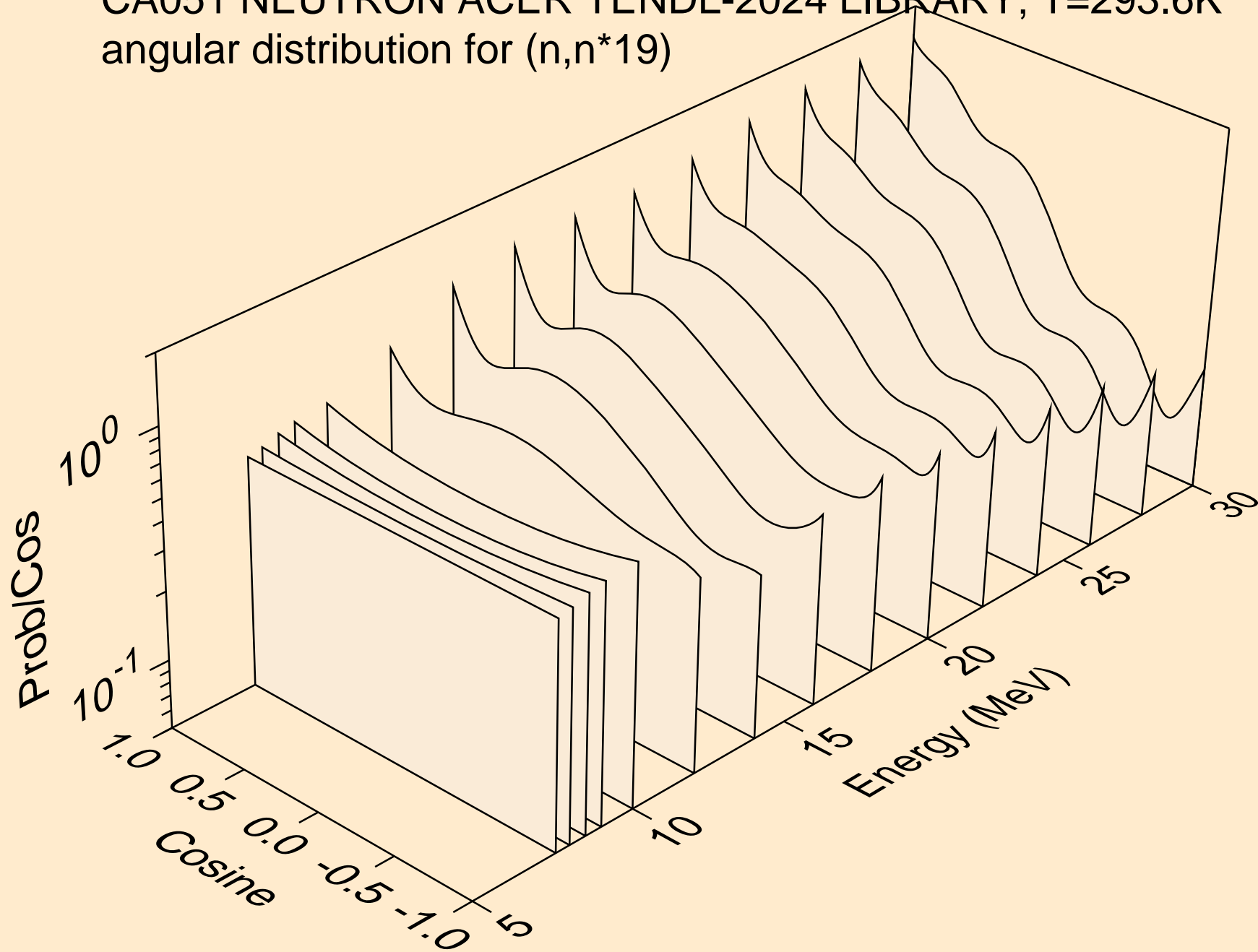
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angular distribution for (n,n\*17)



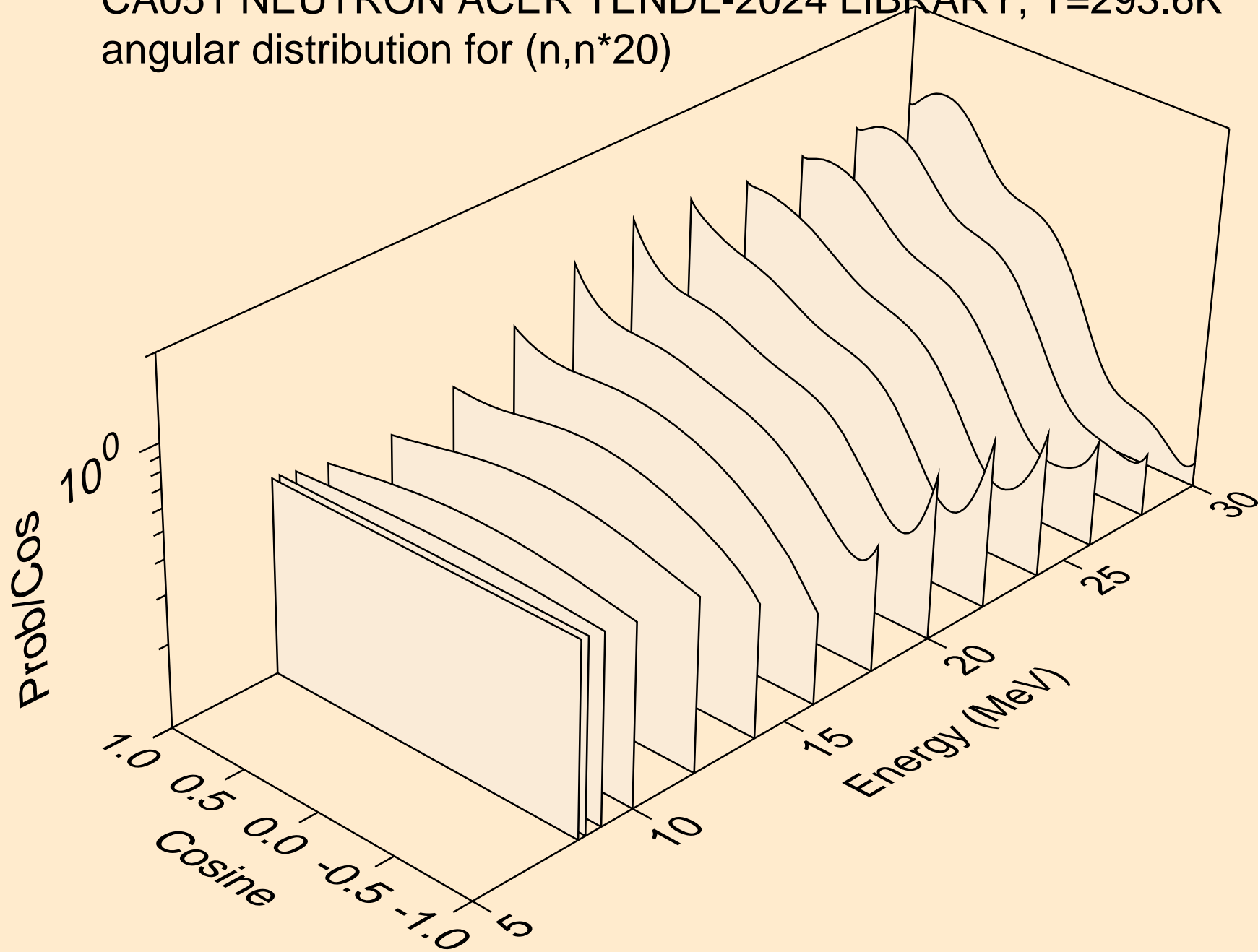
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angular distribution for (n,n\*18)



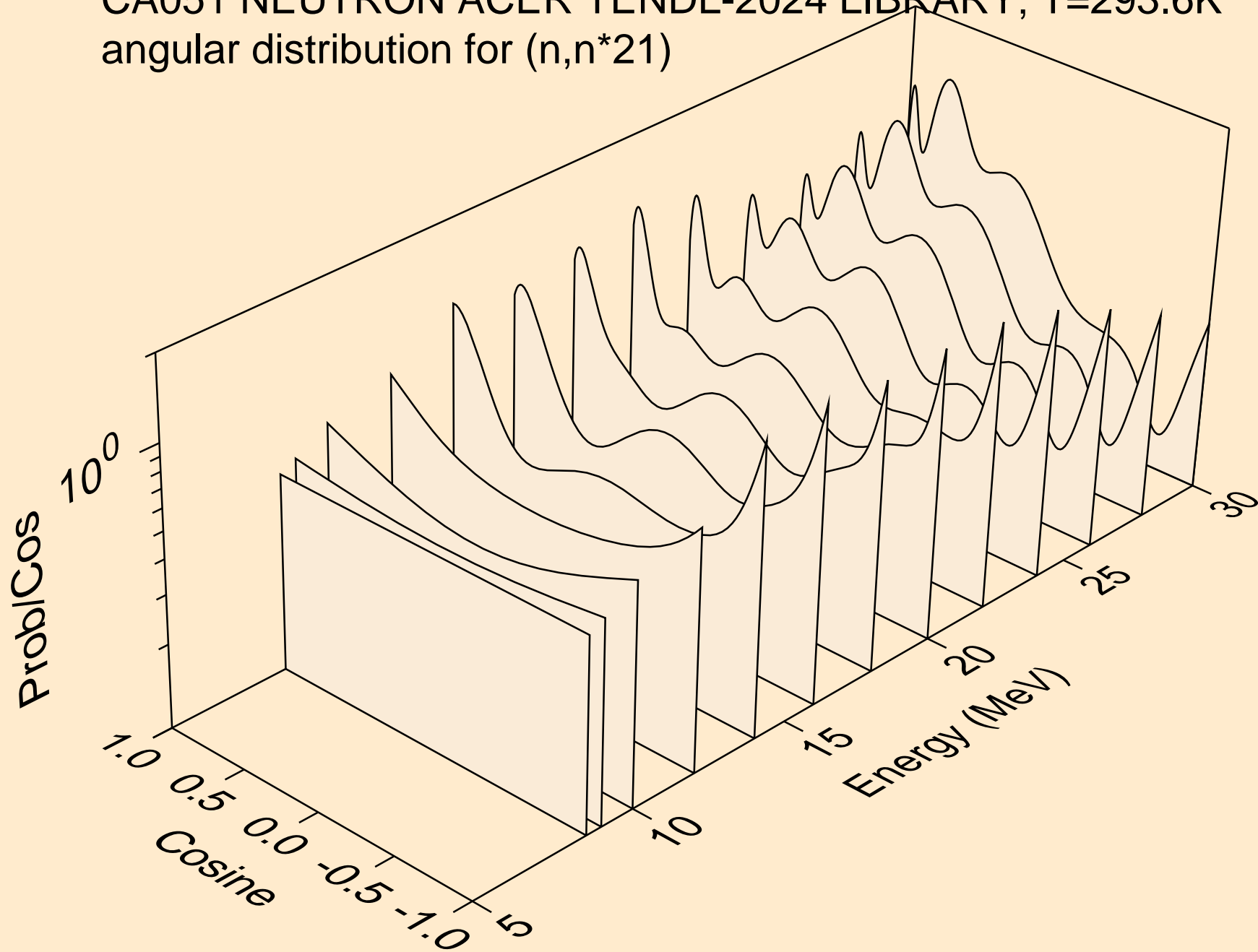
CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*19)



CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*20)

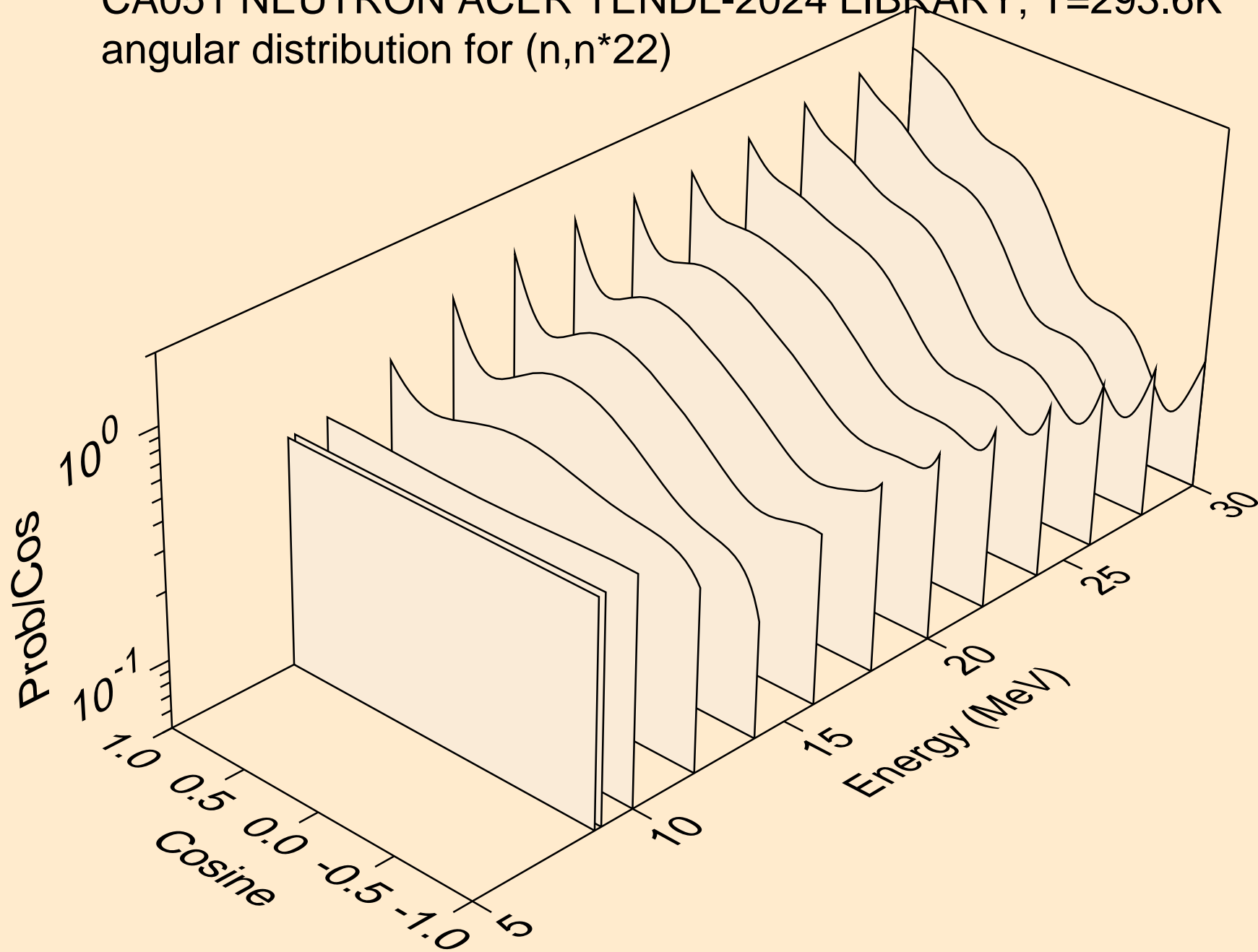


CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*21)

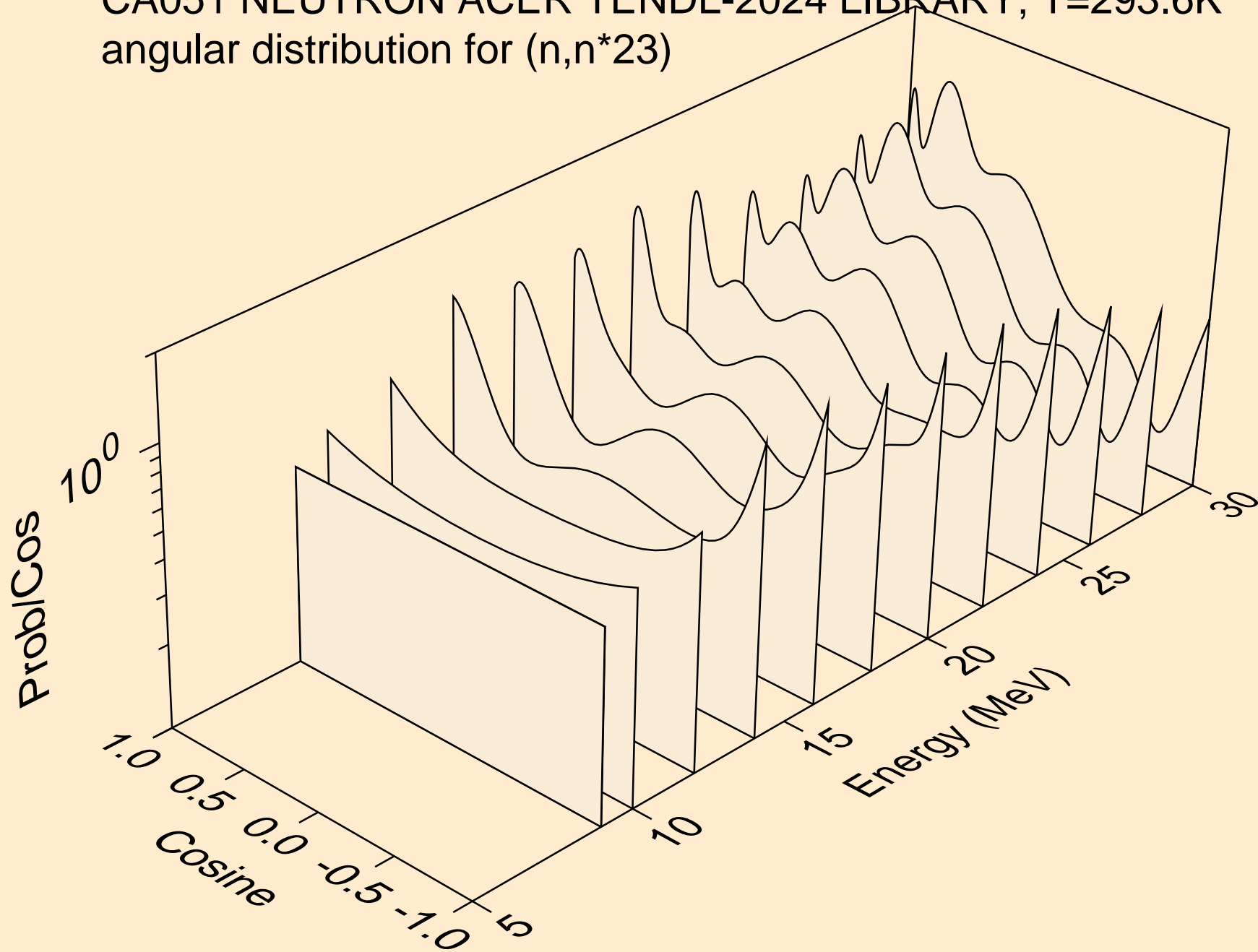




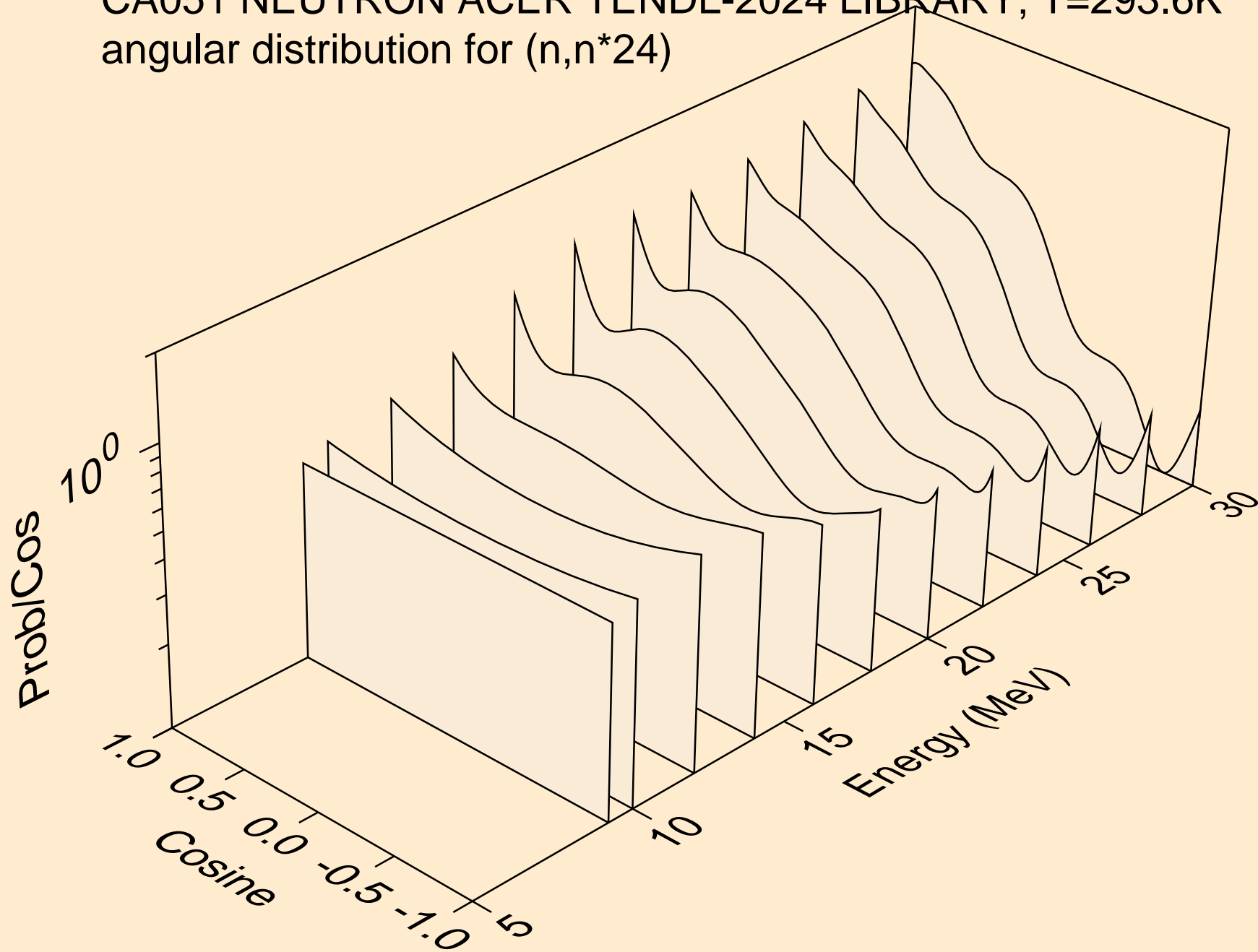
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angular distribution for (n,n\*22)



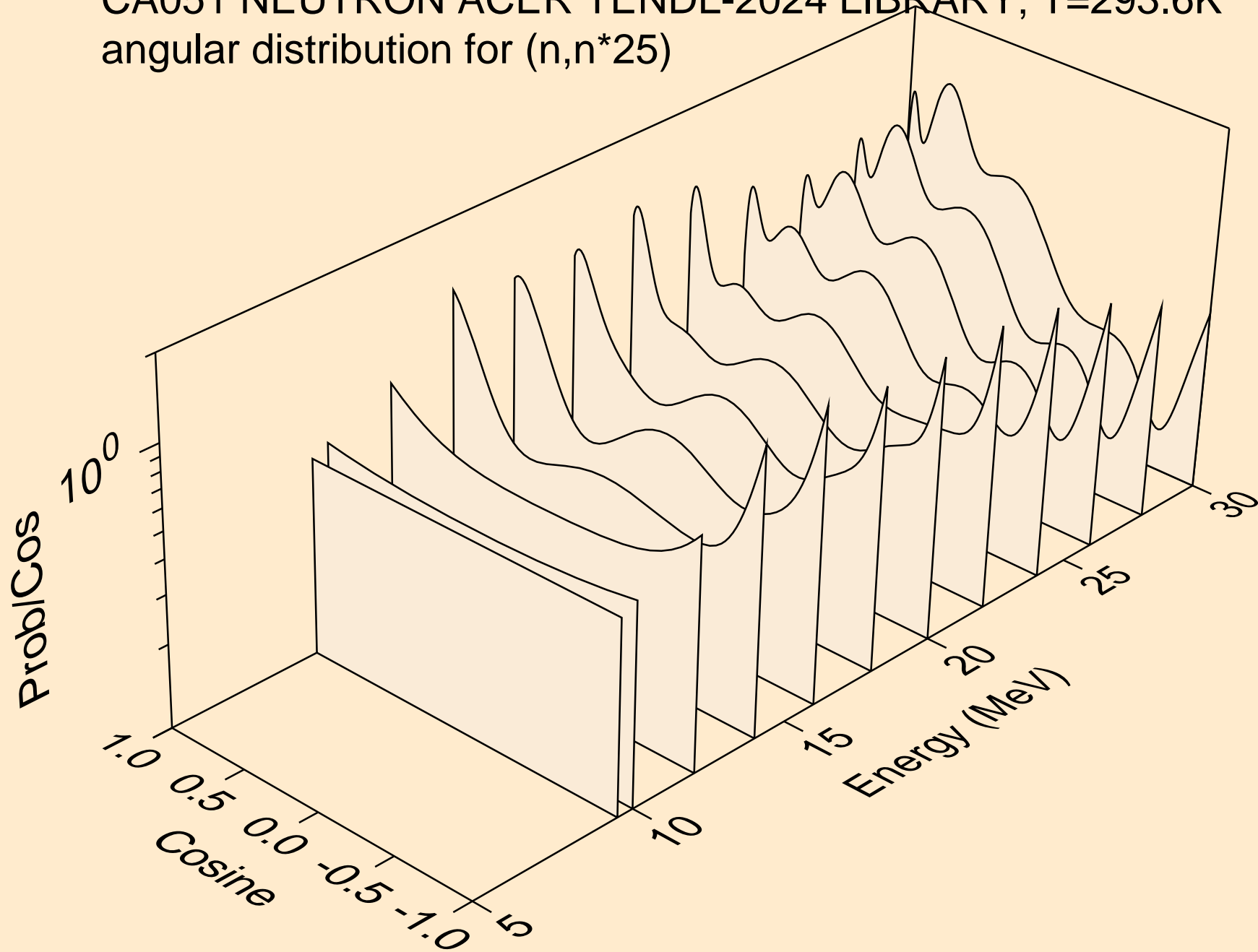
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angular distribution for (n,n\*23)



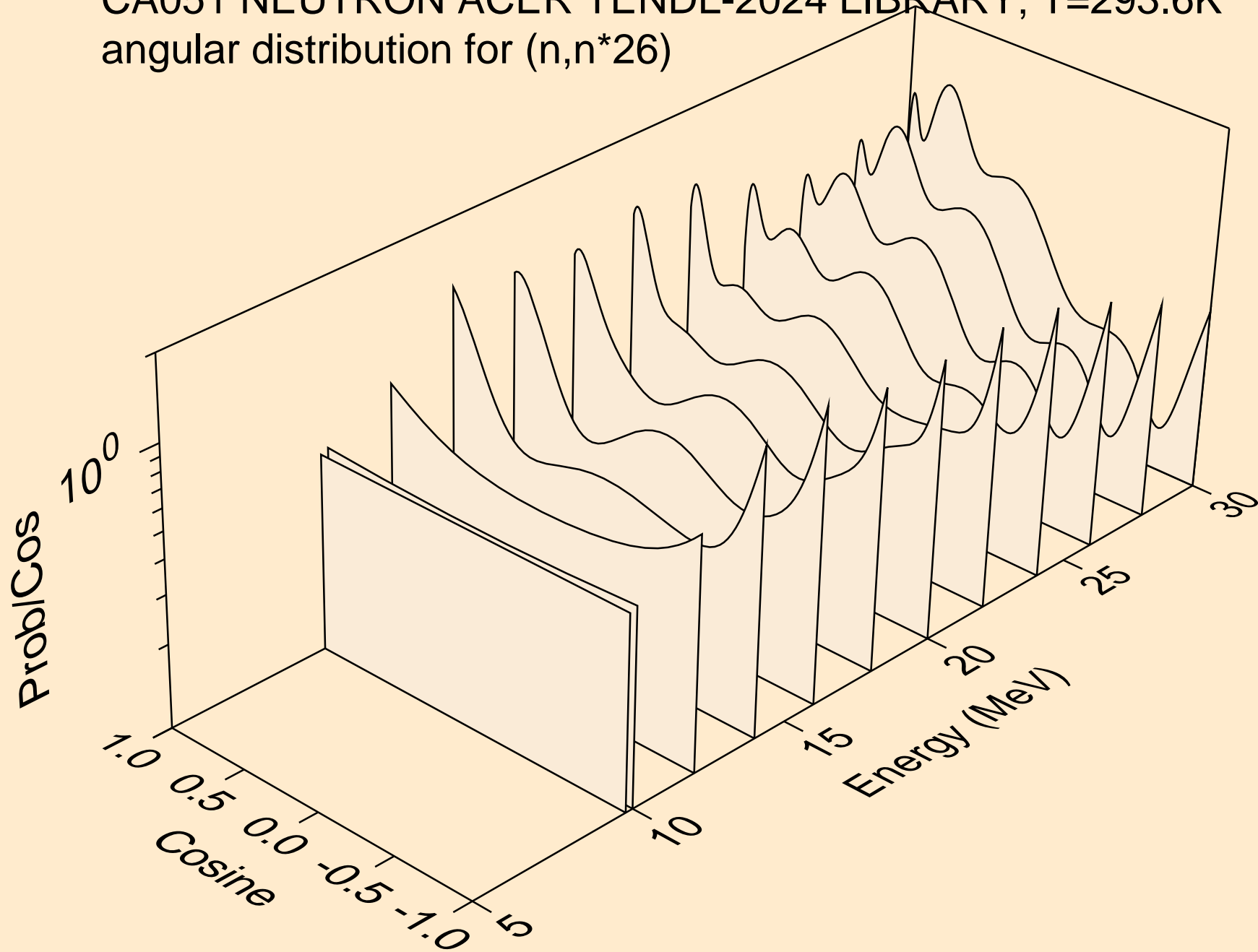
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angular distribution for (n,n\*24)



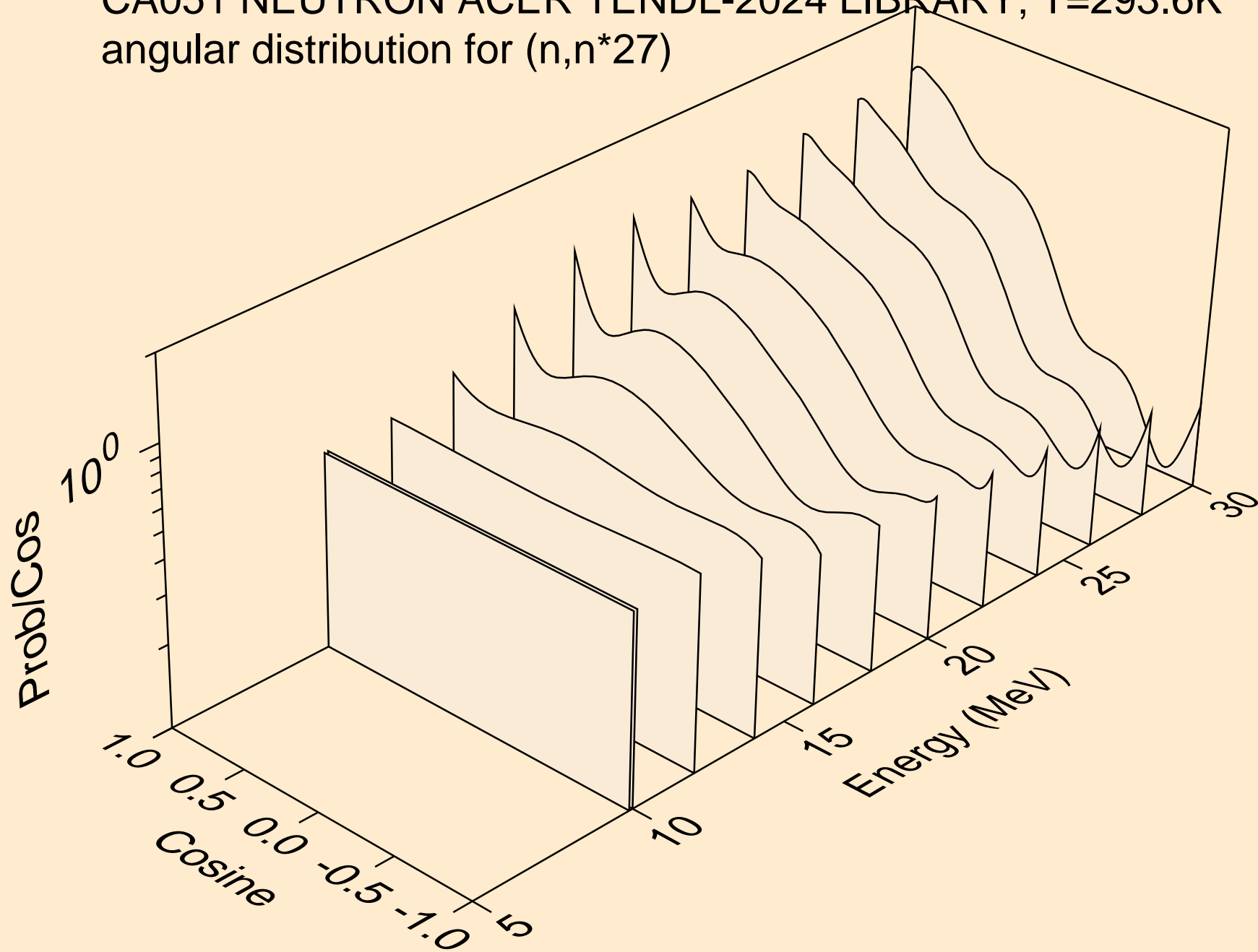
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angular distribution for (n,n\*25)



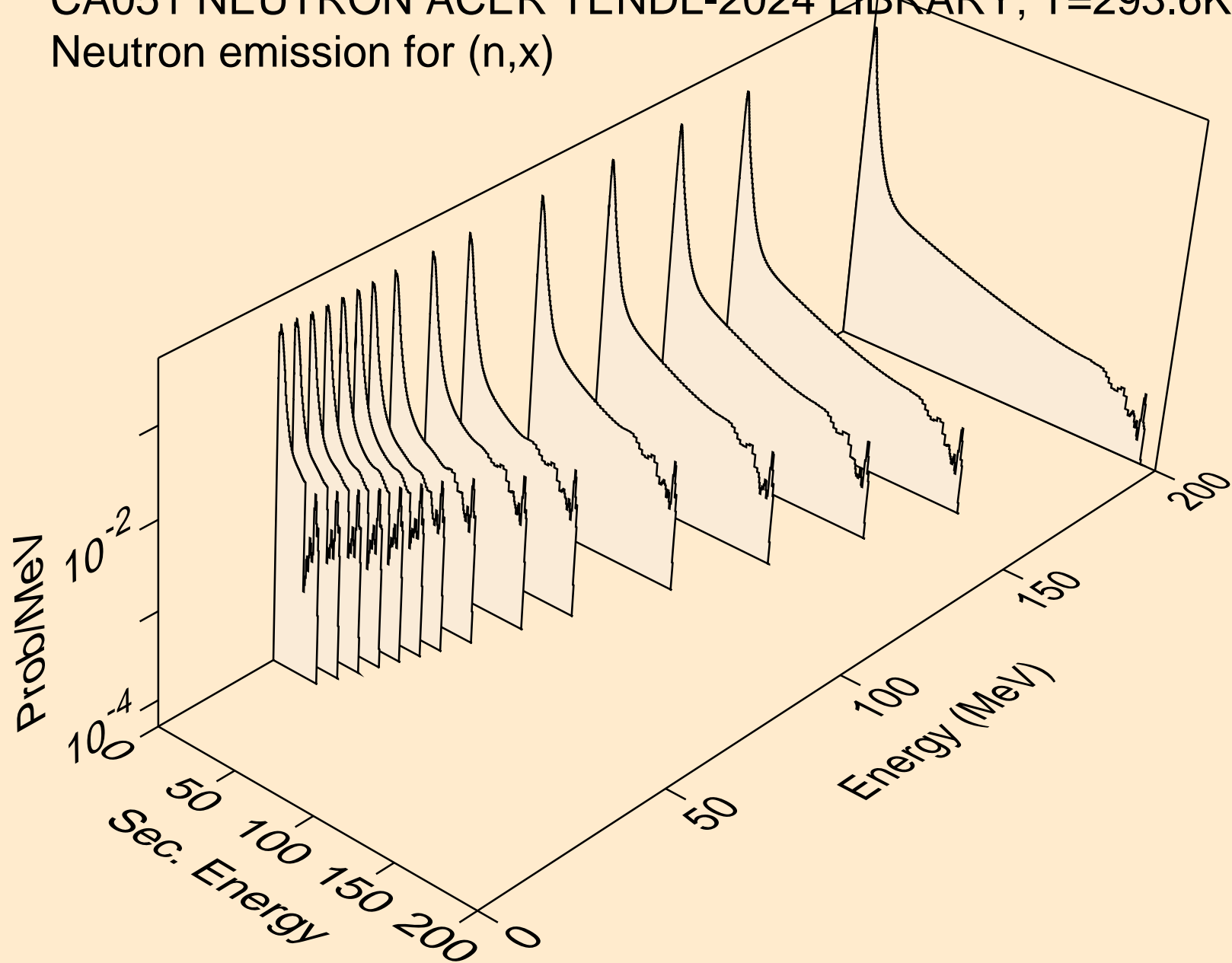
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angular distribution for (n,n\*26)



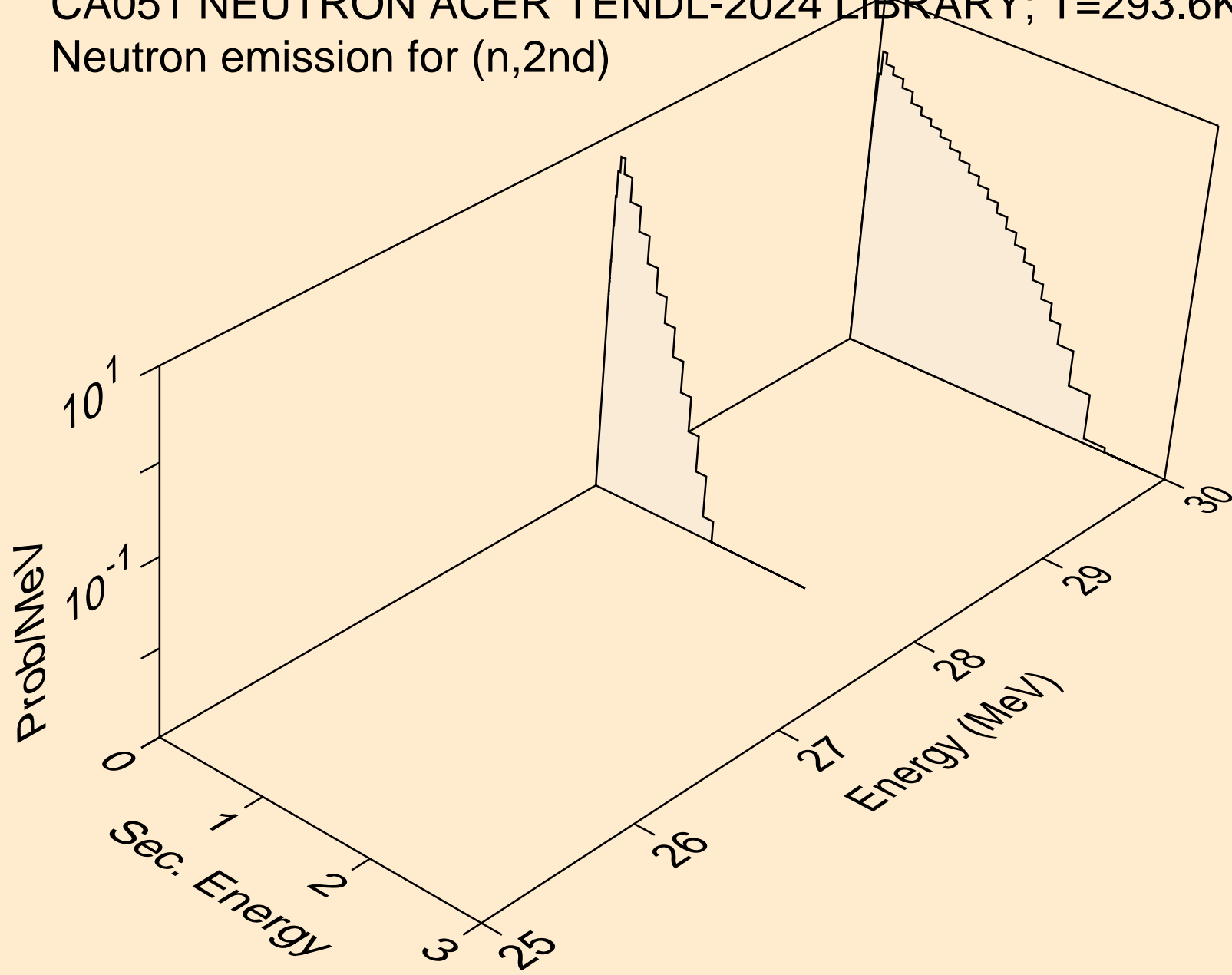
CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*27)



CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,x)

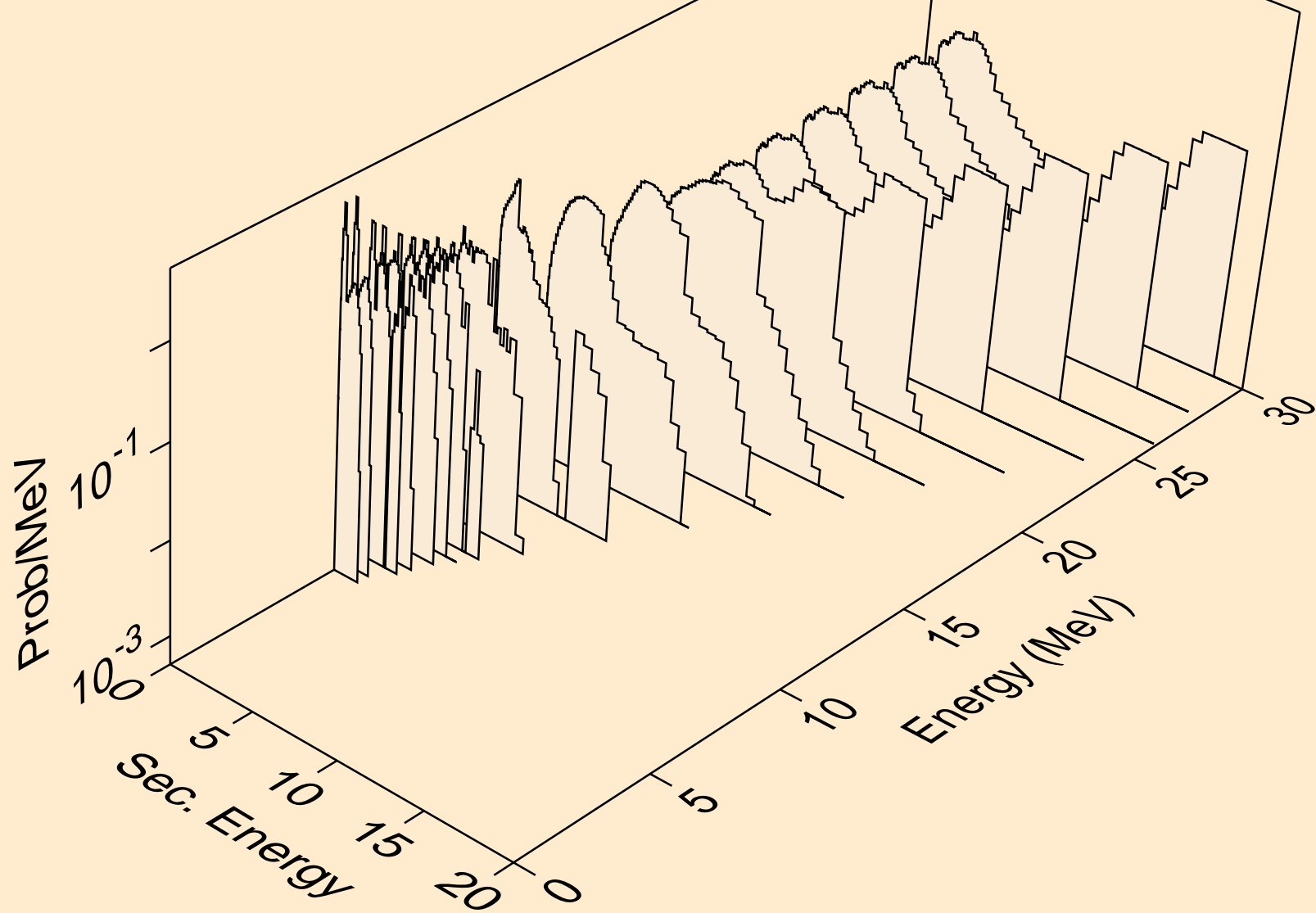


CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,2nd)

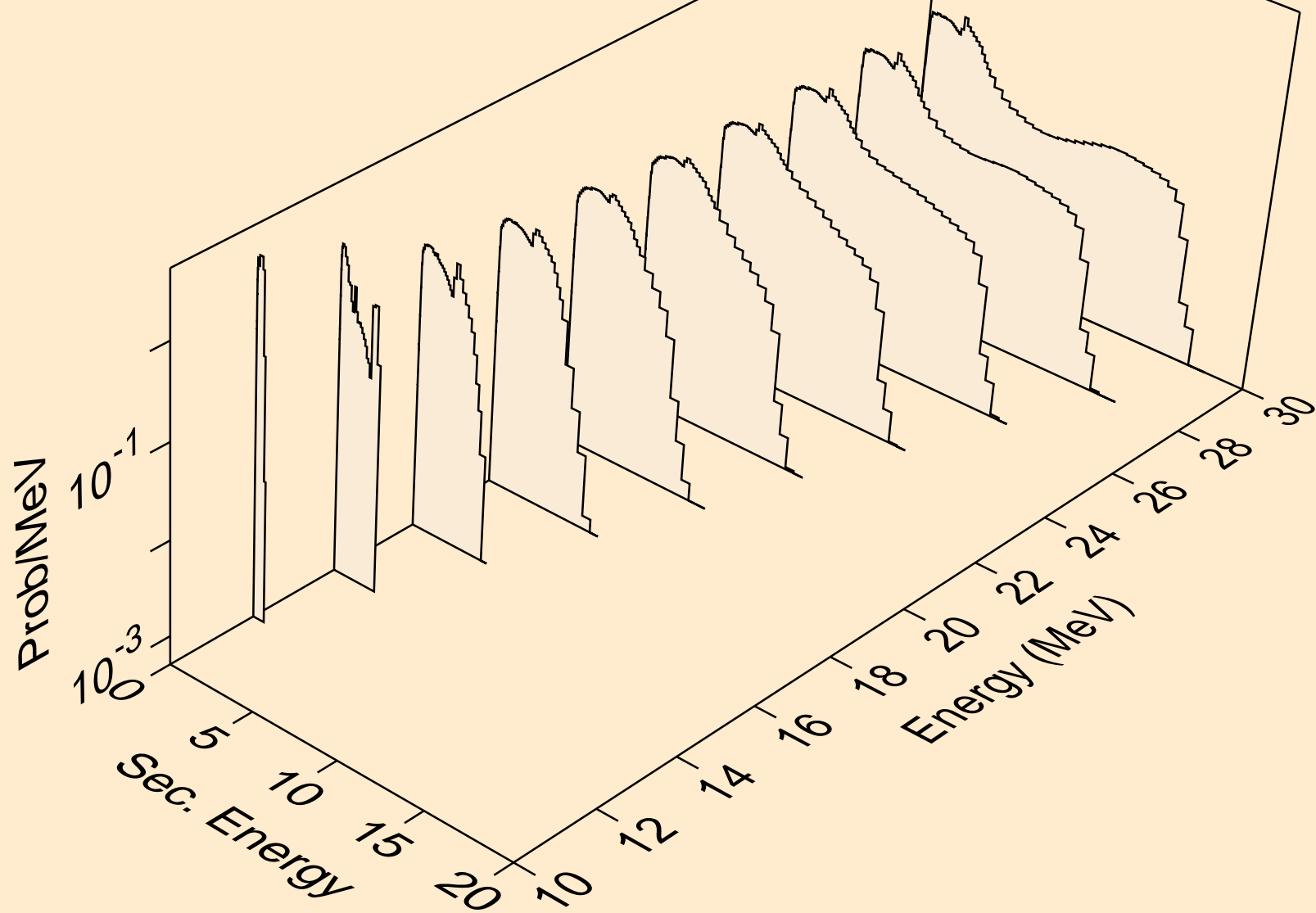




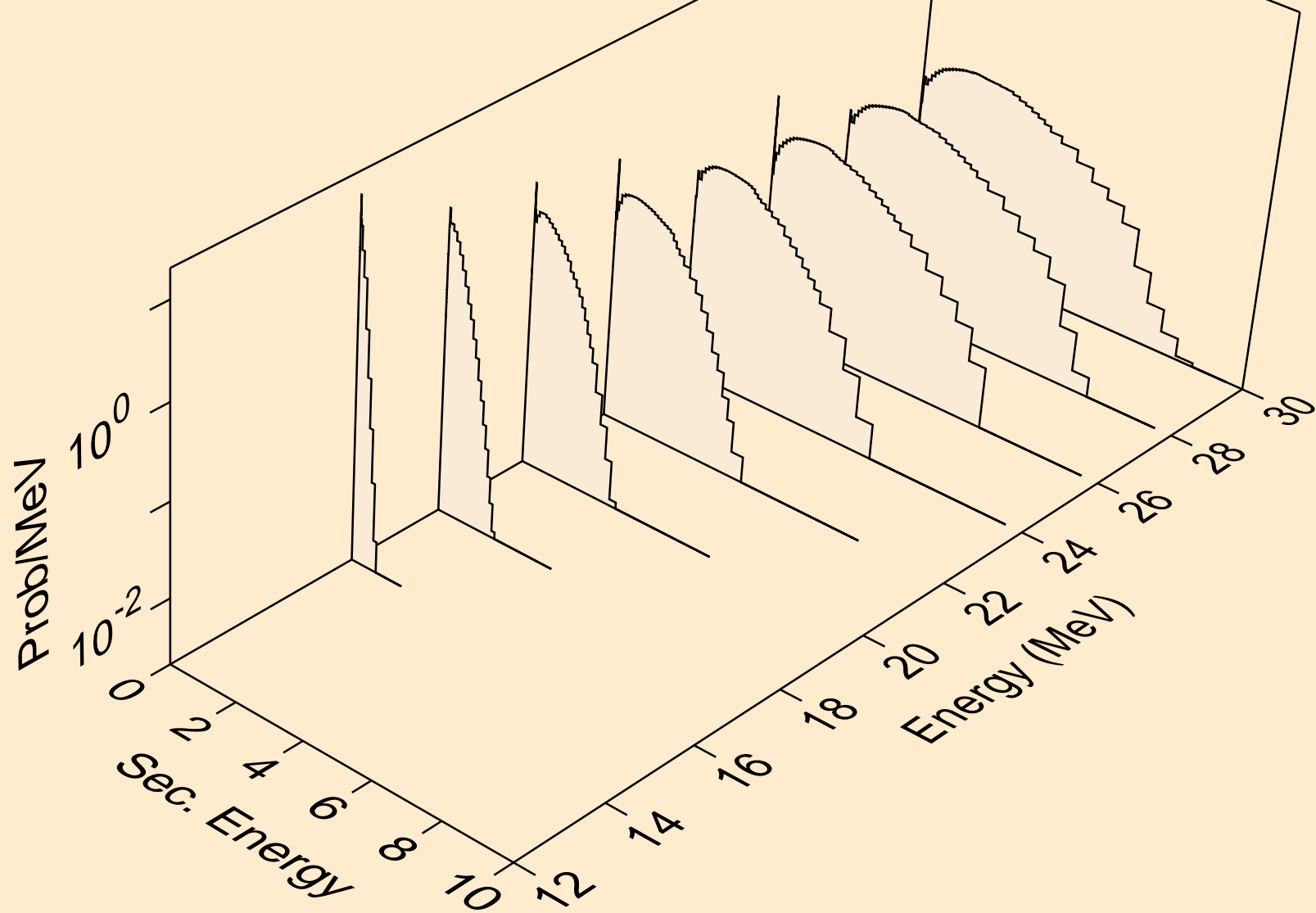
CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,2n)



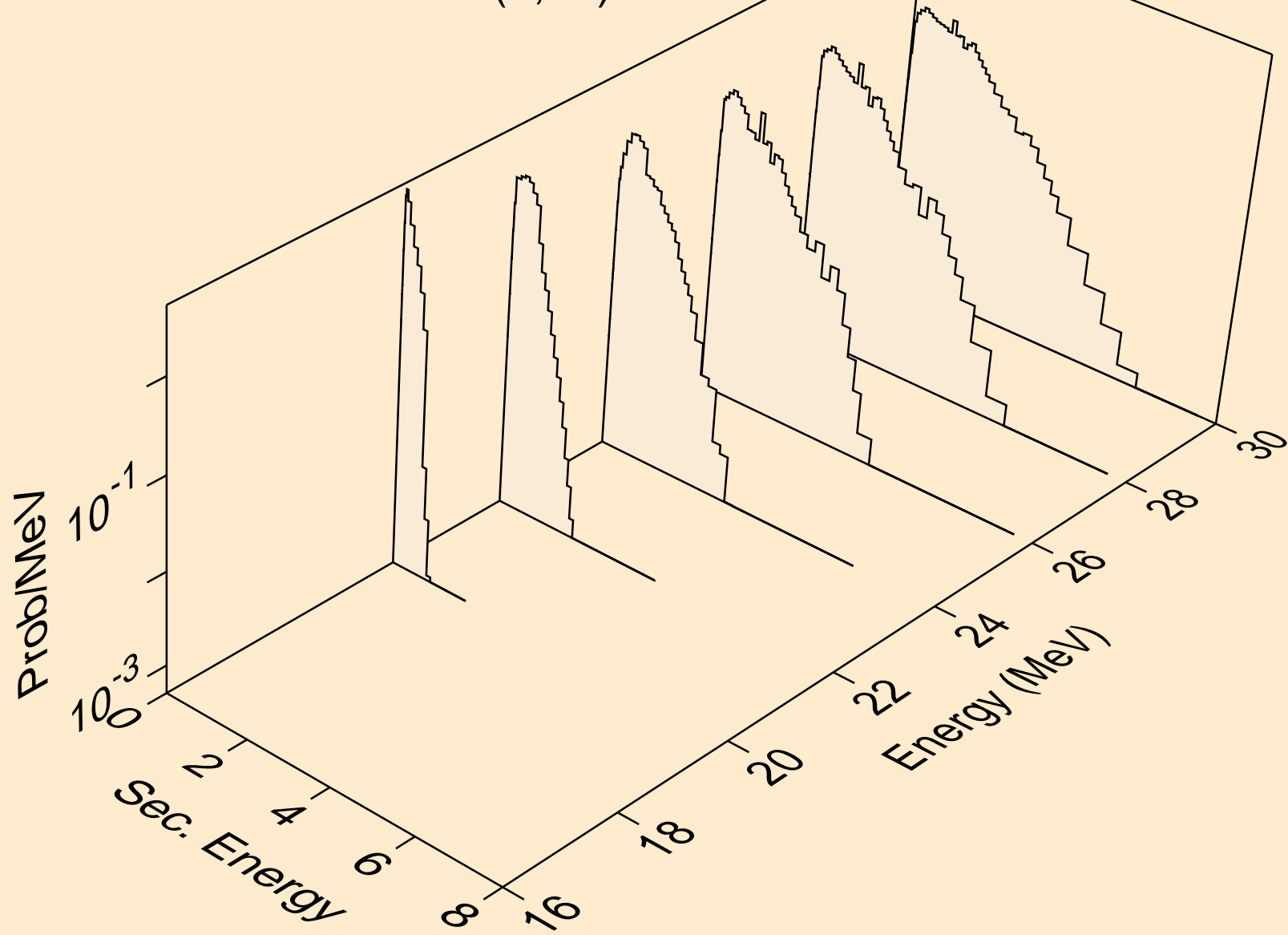
CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,3n)



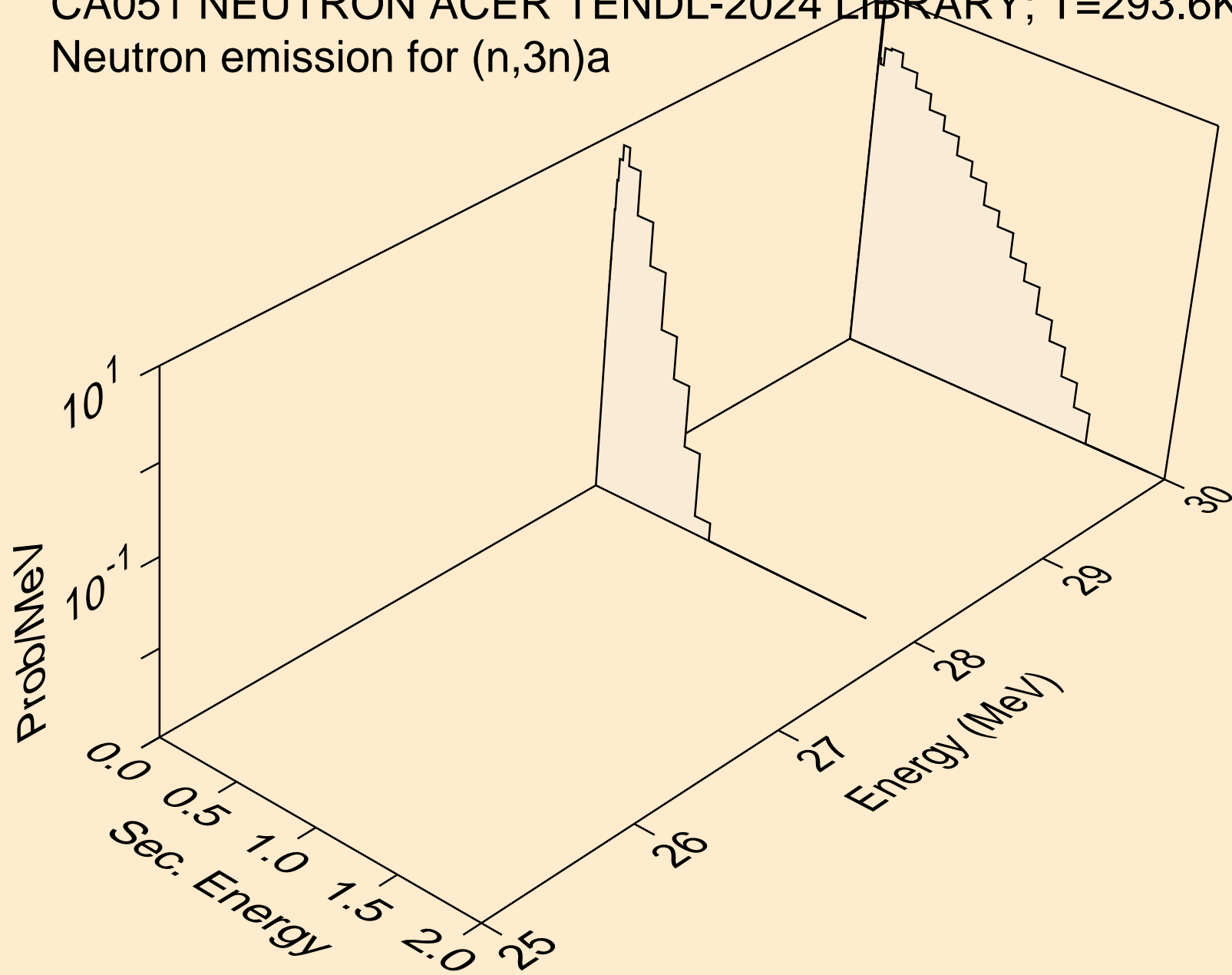
CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)a



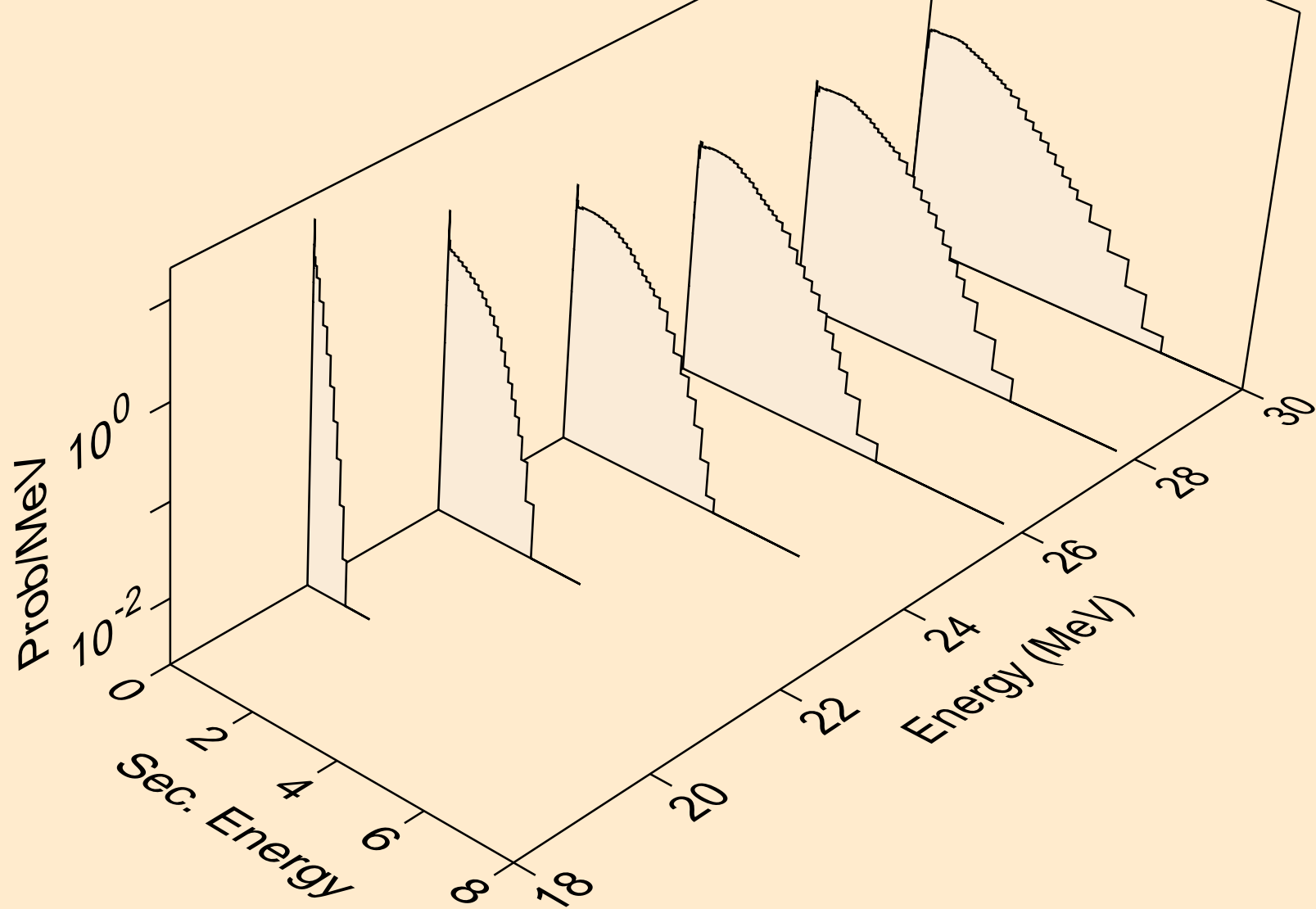
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Neutron emission for (n,2n)a



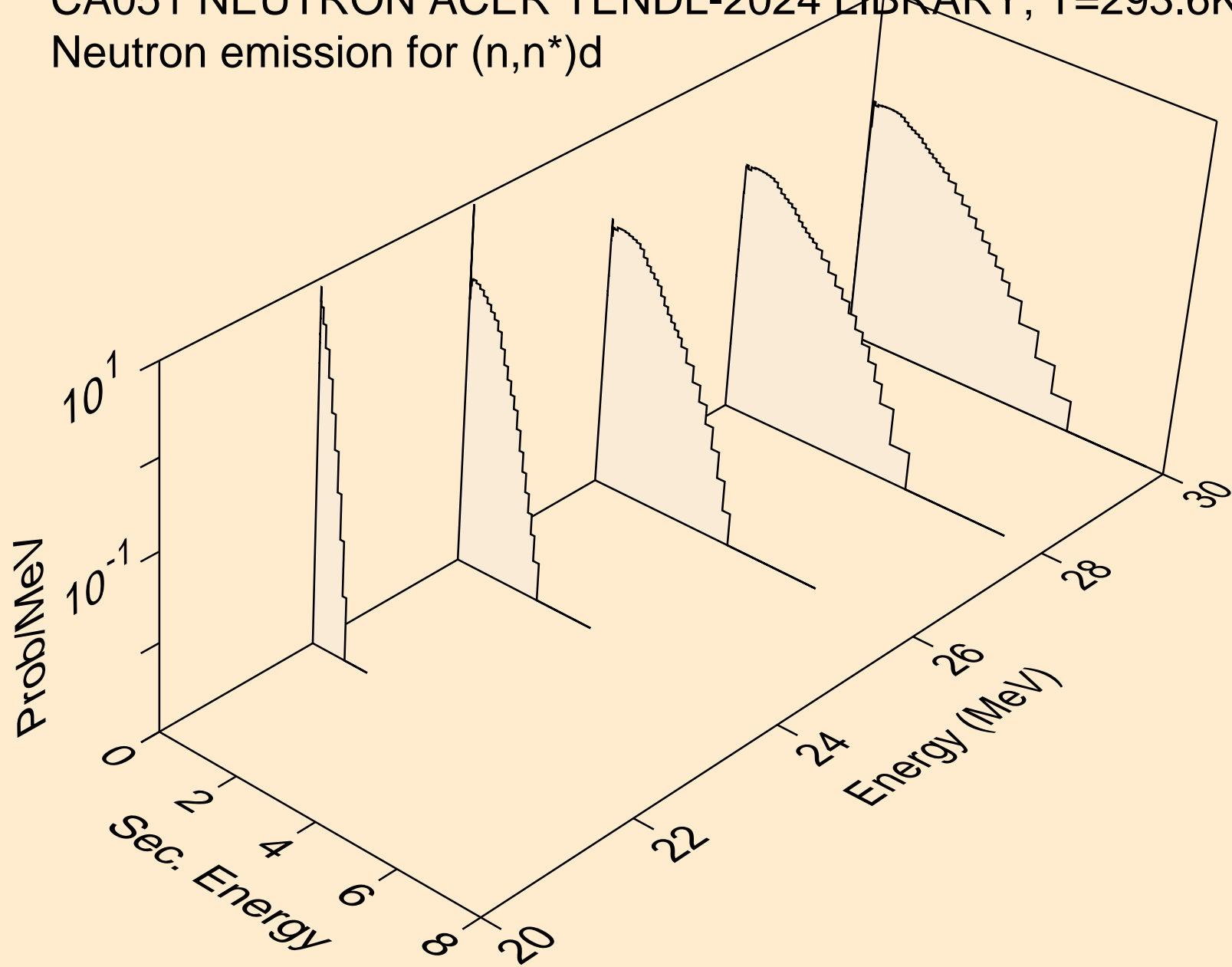
CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,3n)a



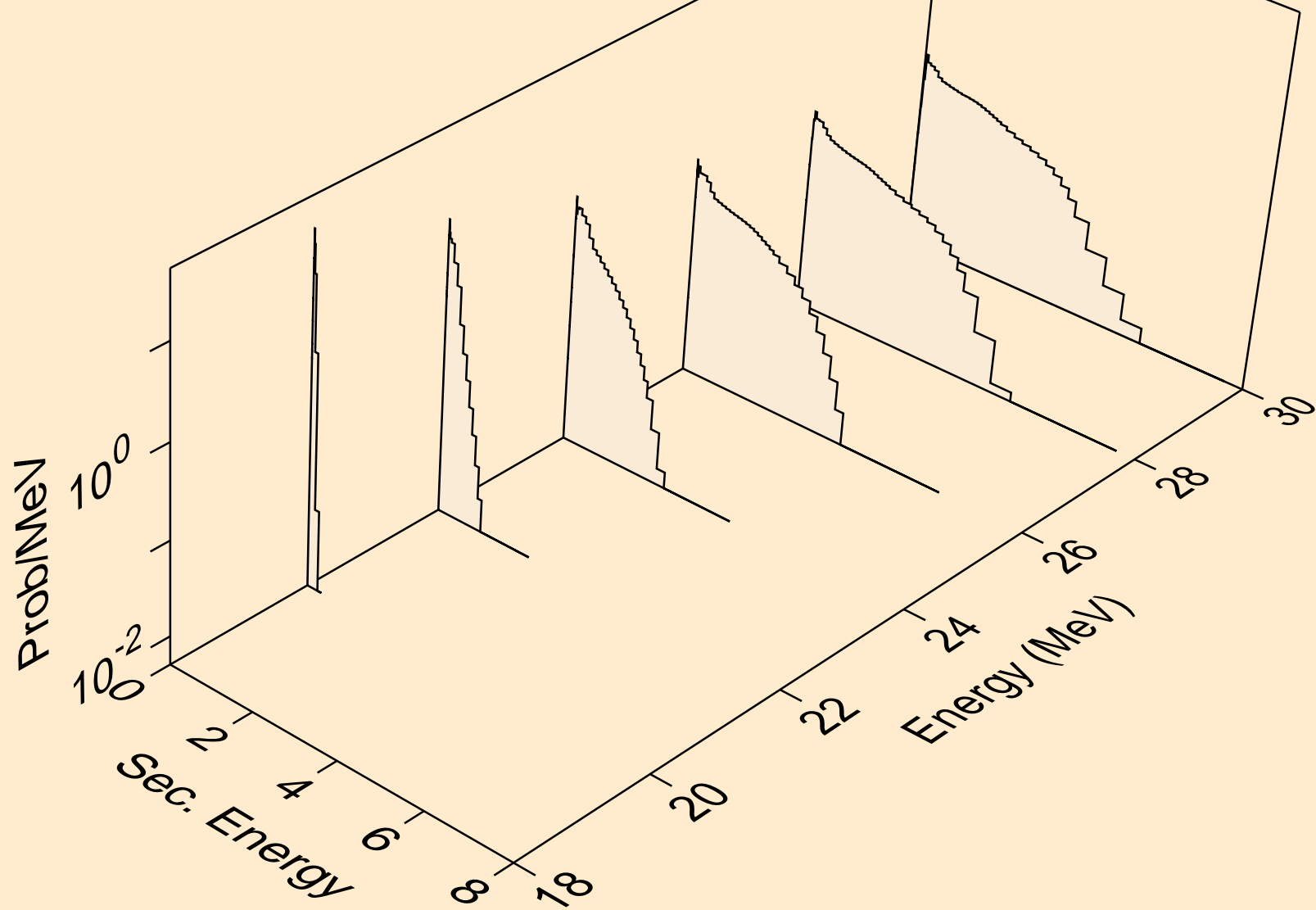
CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)p



CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)d

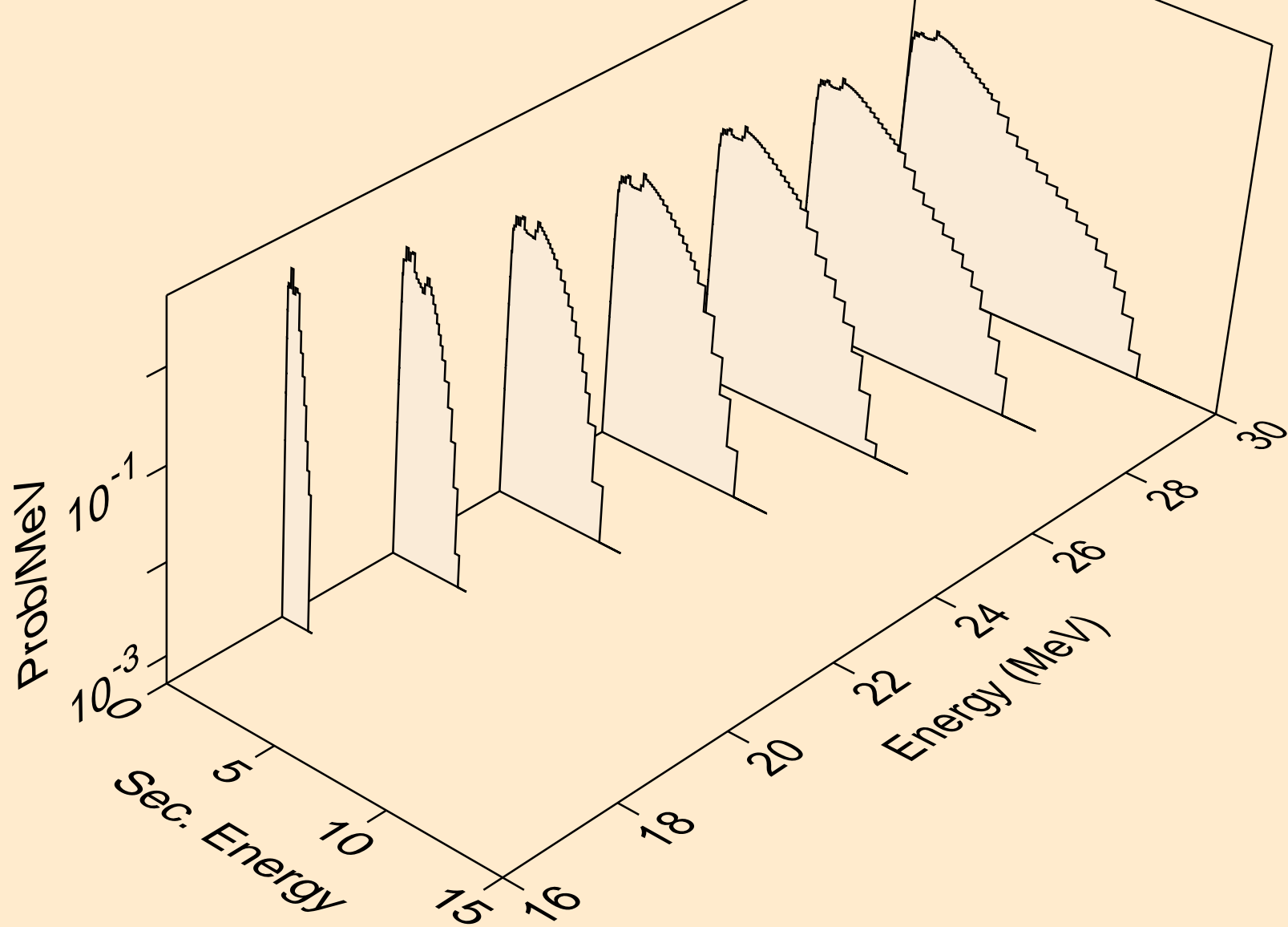


CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)t

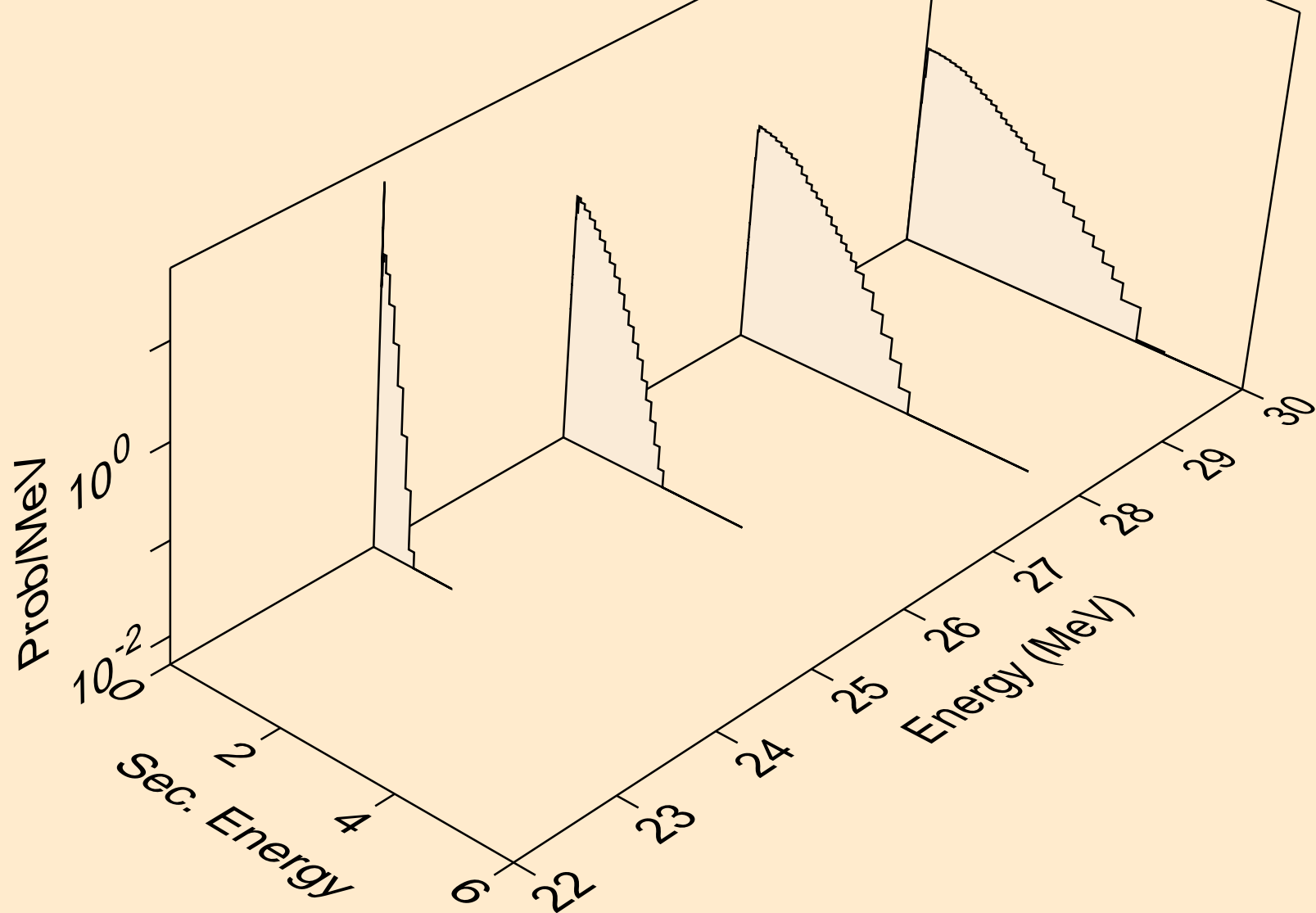




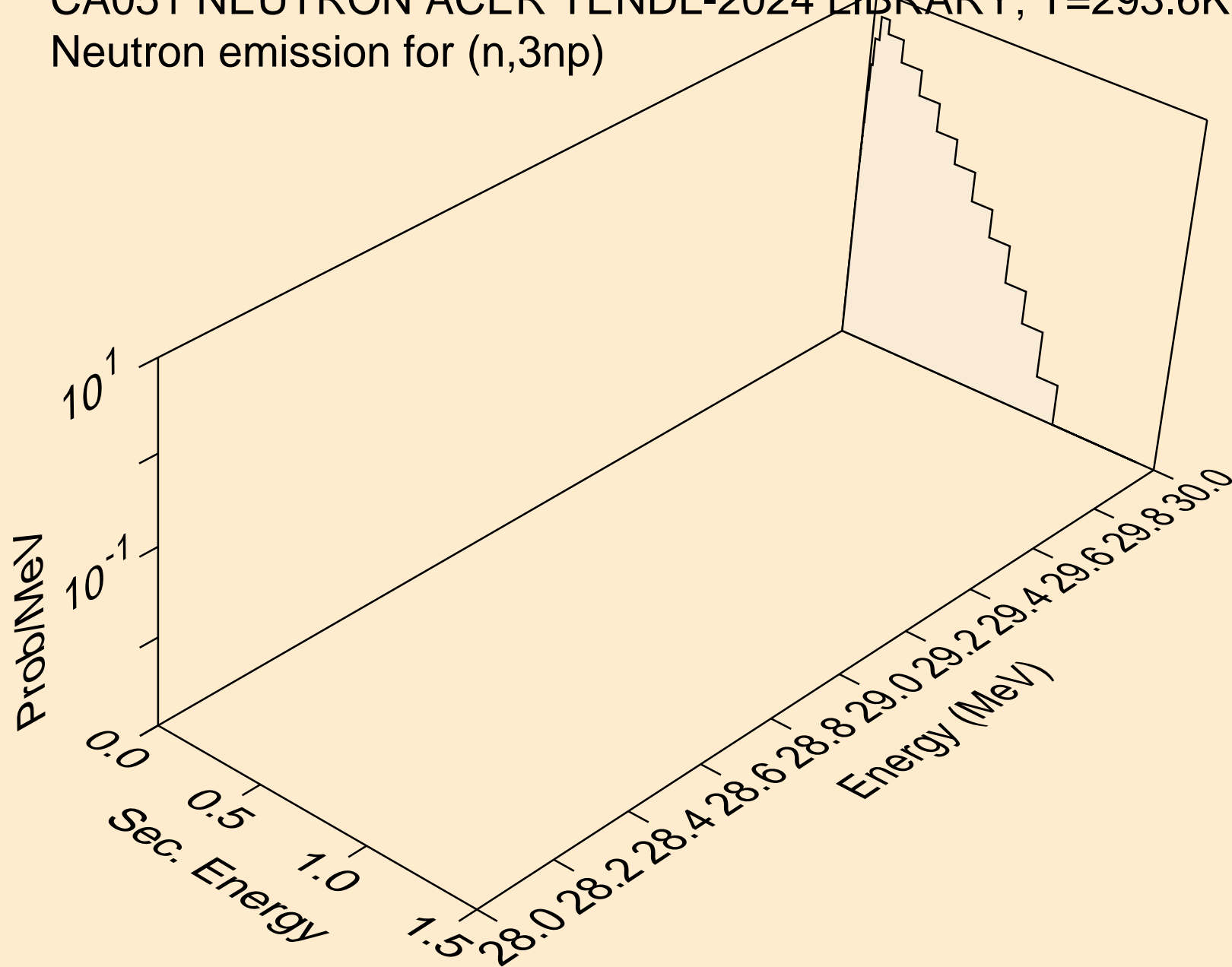
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Neutron emission for (n,4n)



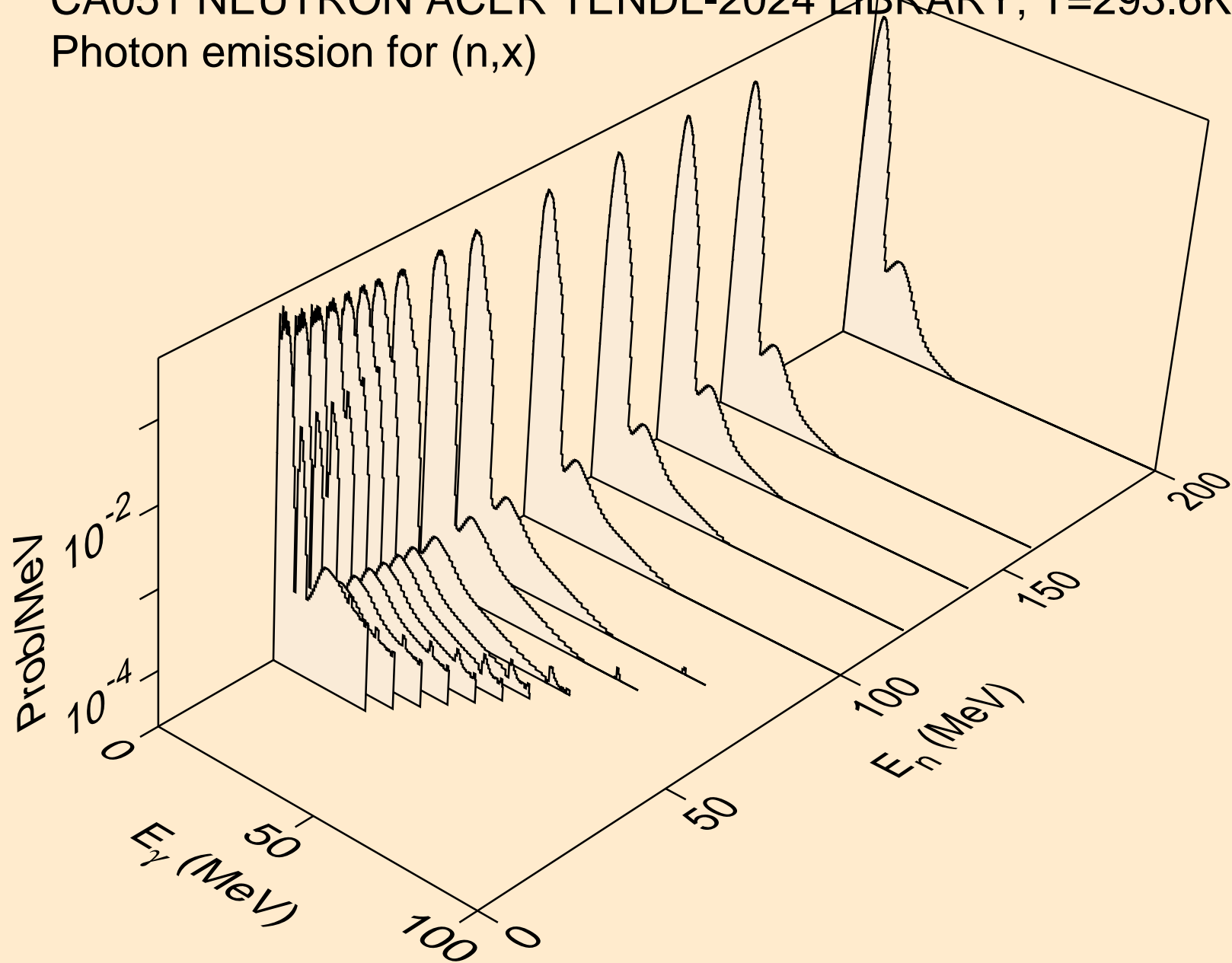
CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,2np)



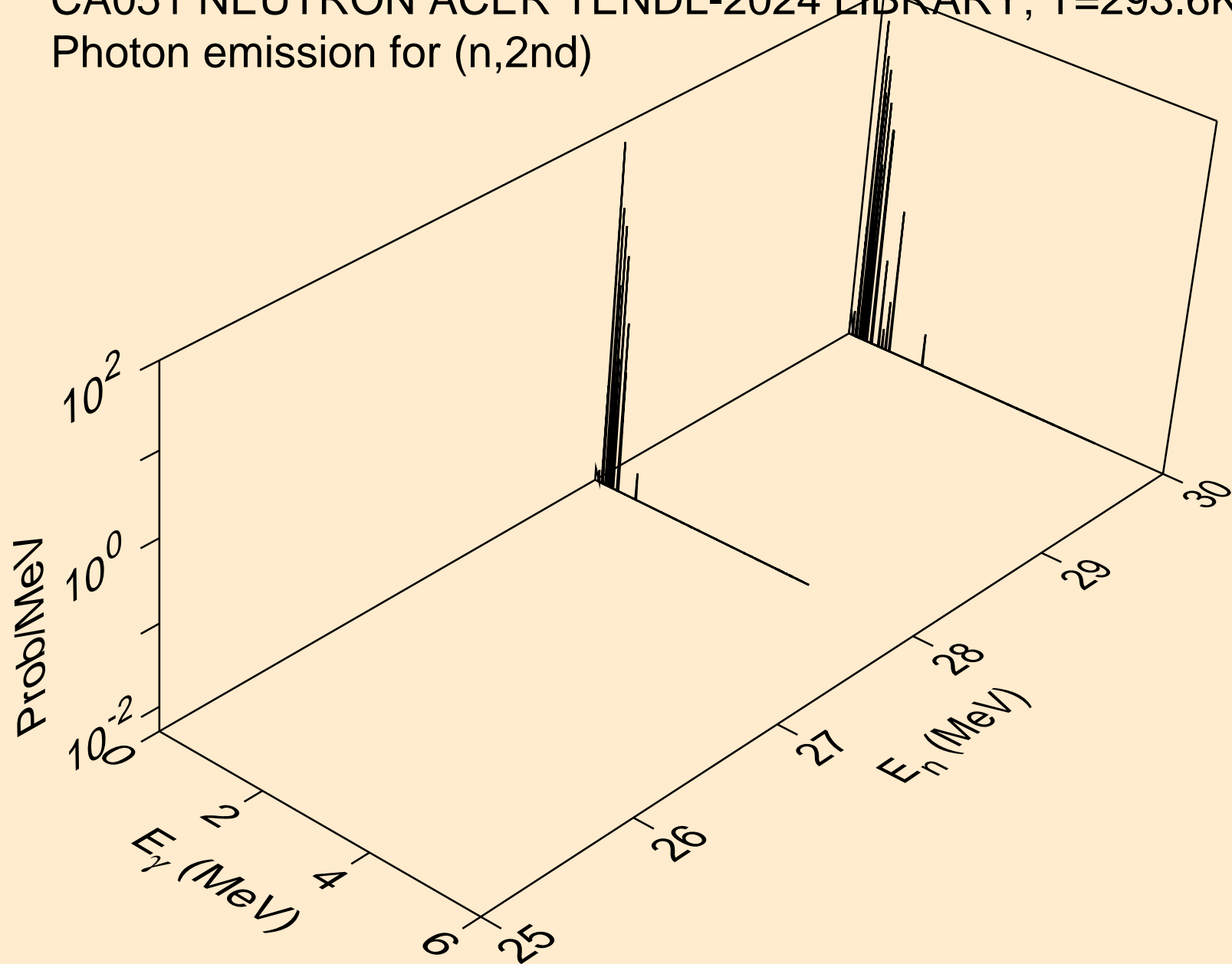
CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,3np)



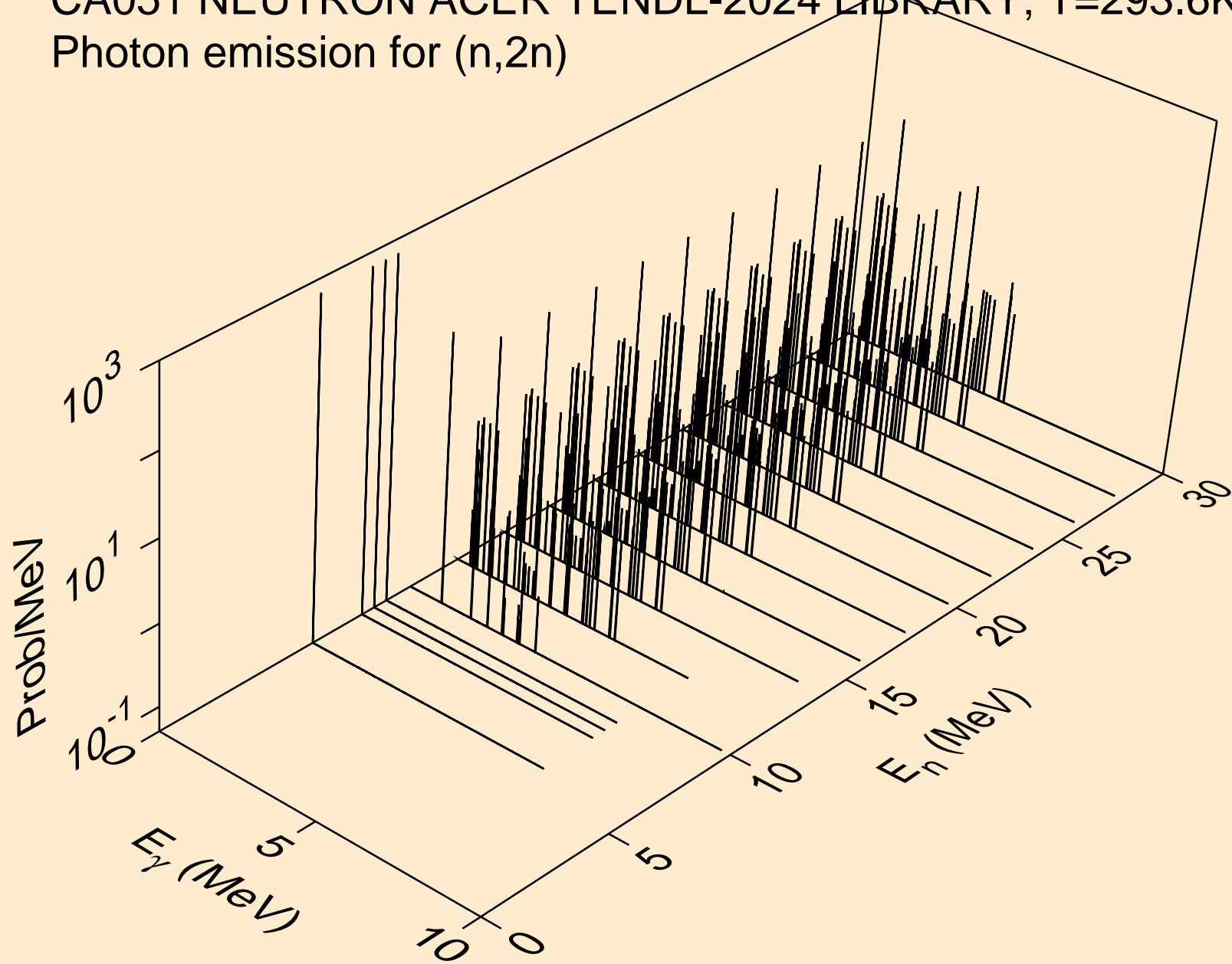
CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,x)



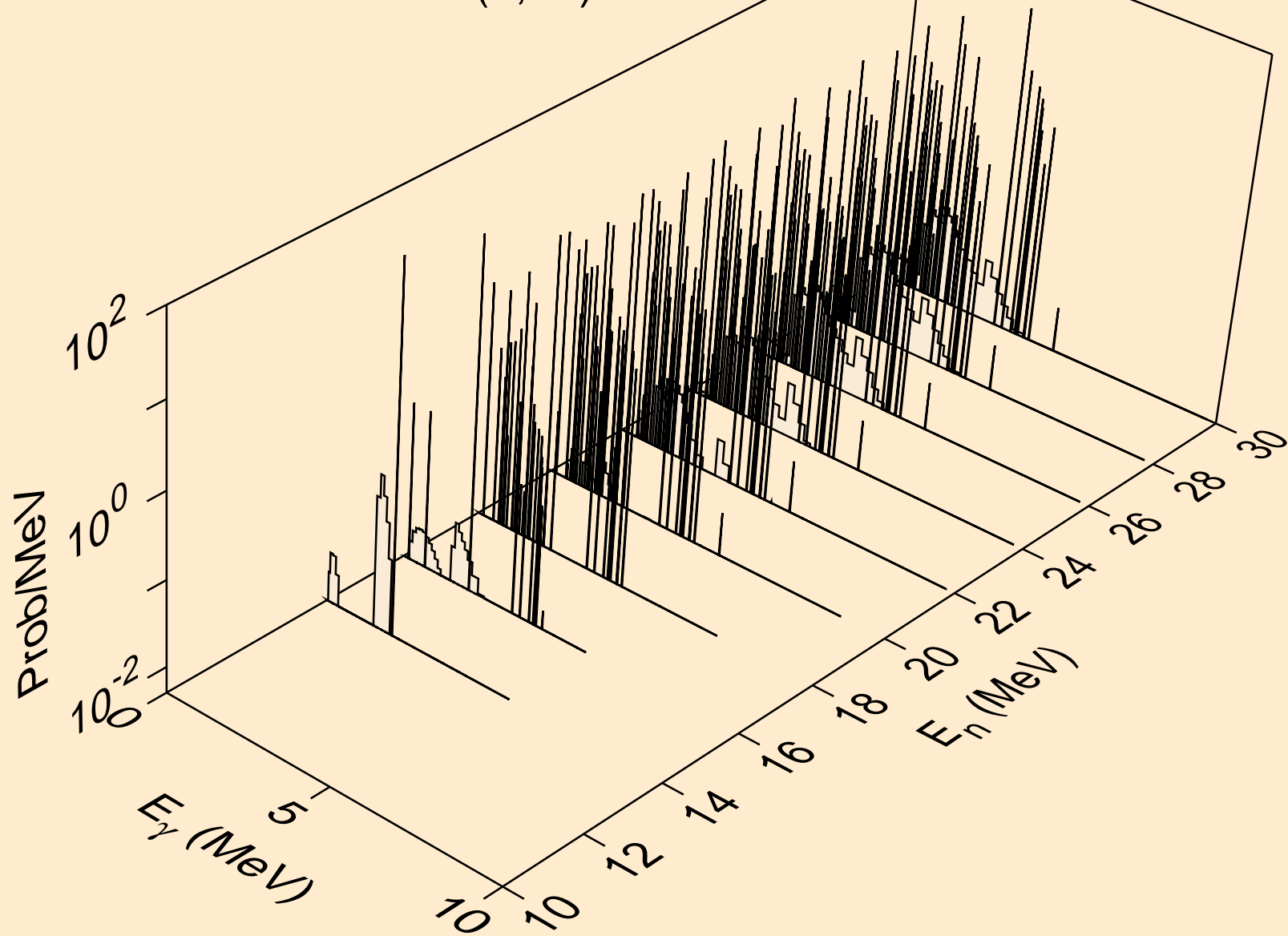
CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,2nd)



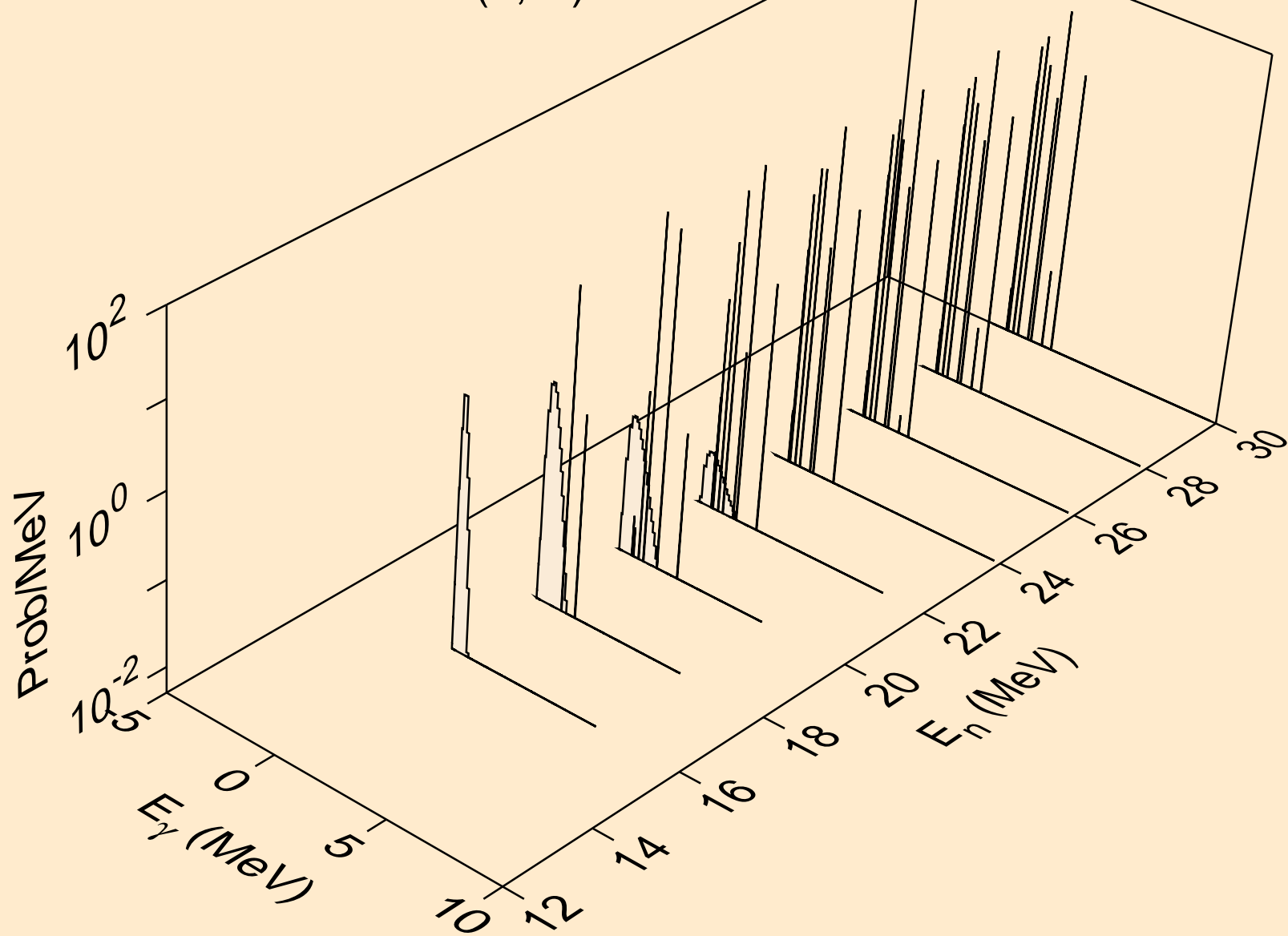
CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,2n)



CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,3n)

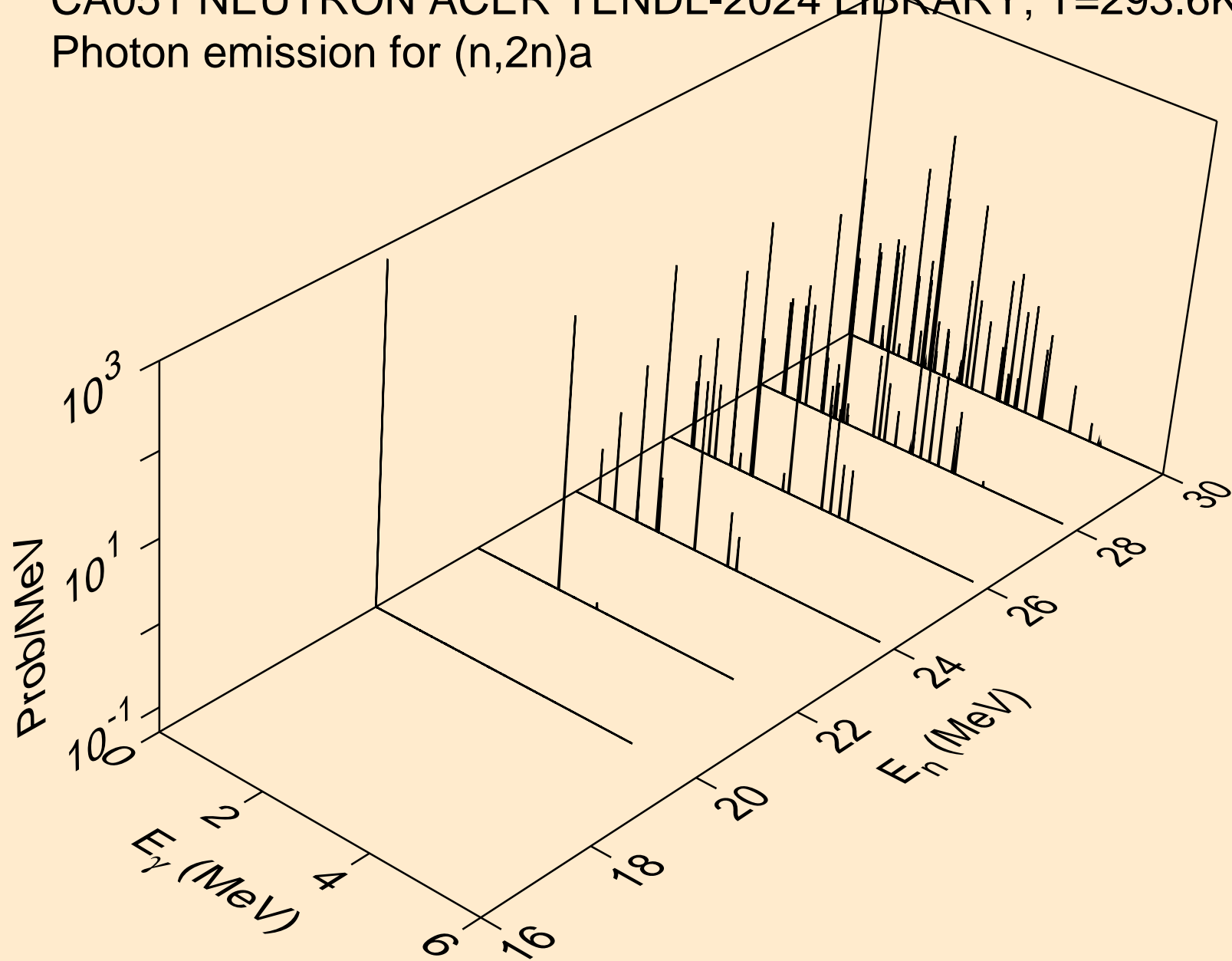


CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*)a

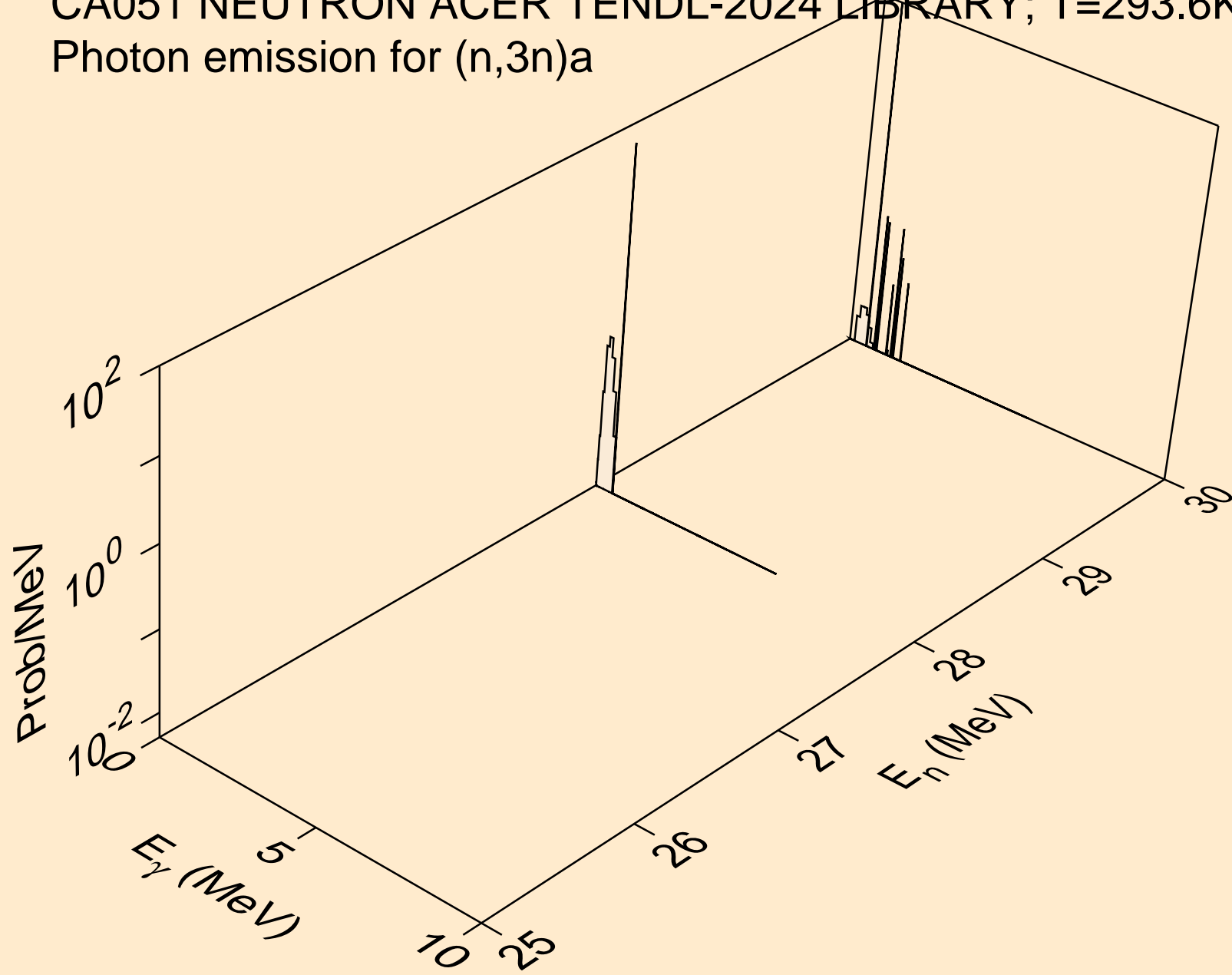




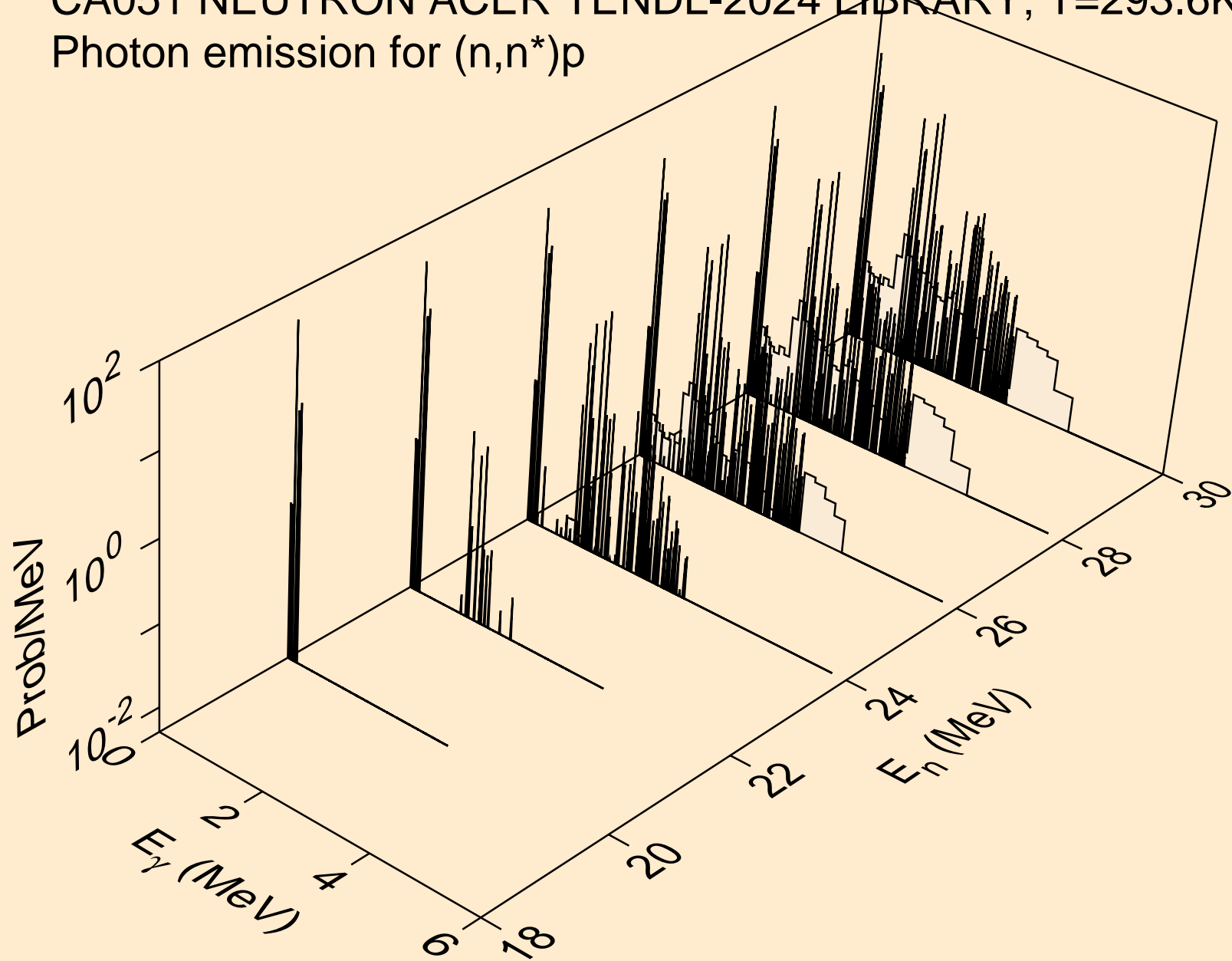
CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,2n)a



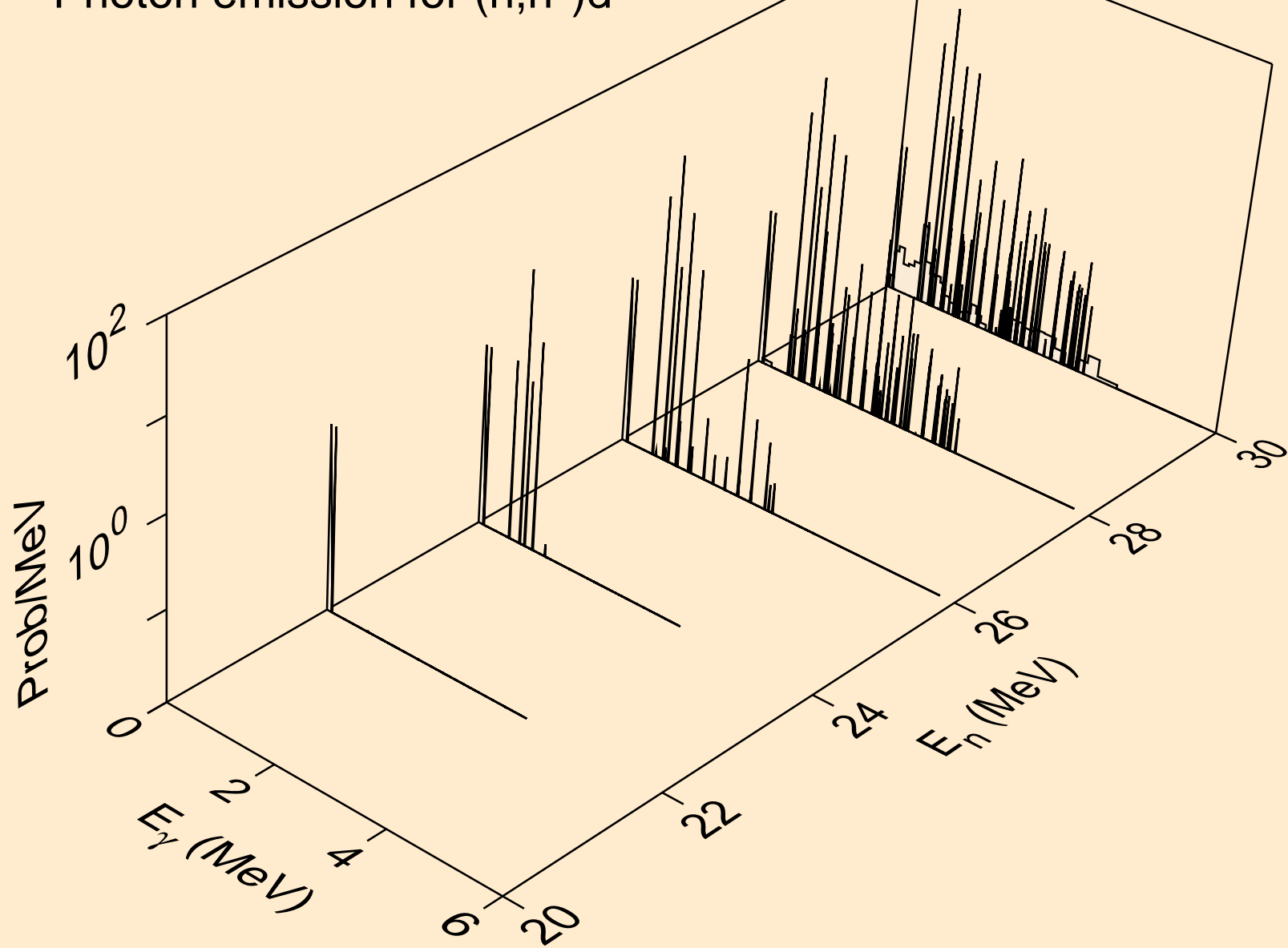
CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,3n)a



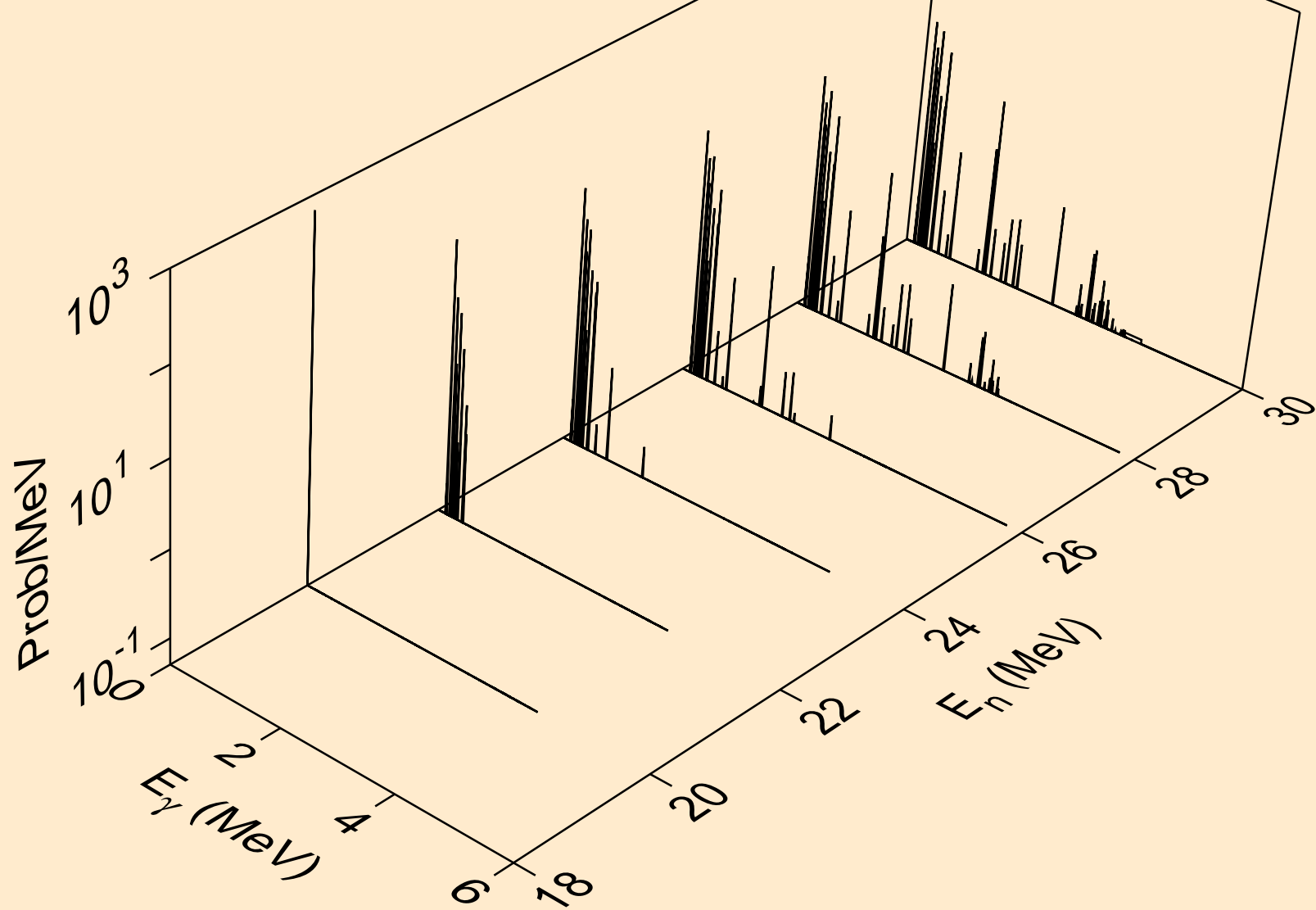
CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*)p



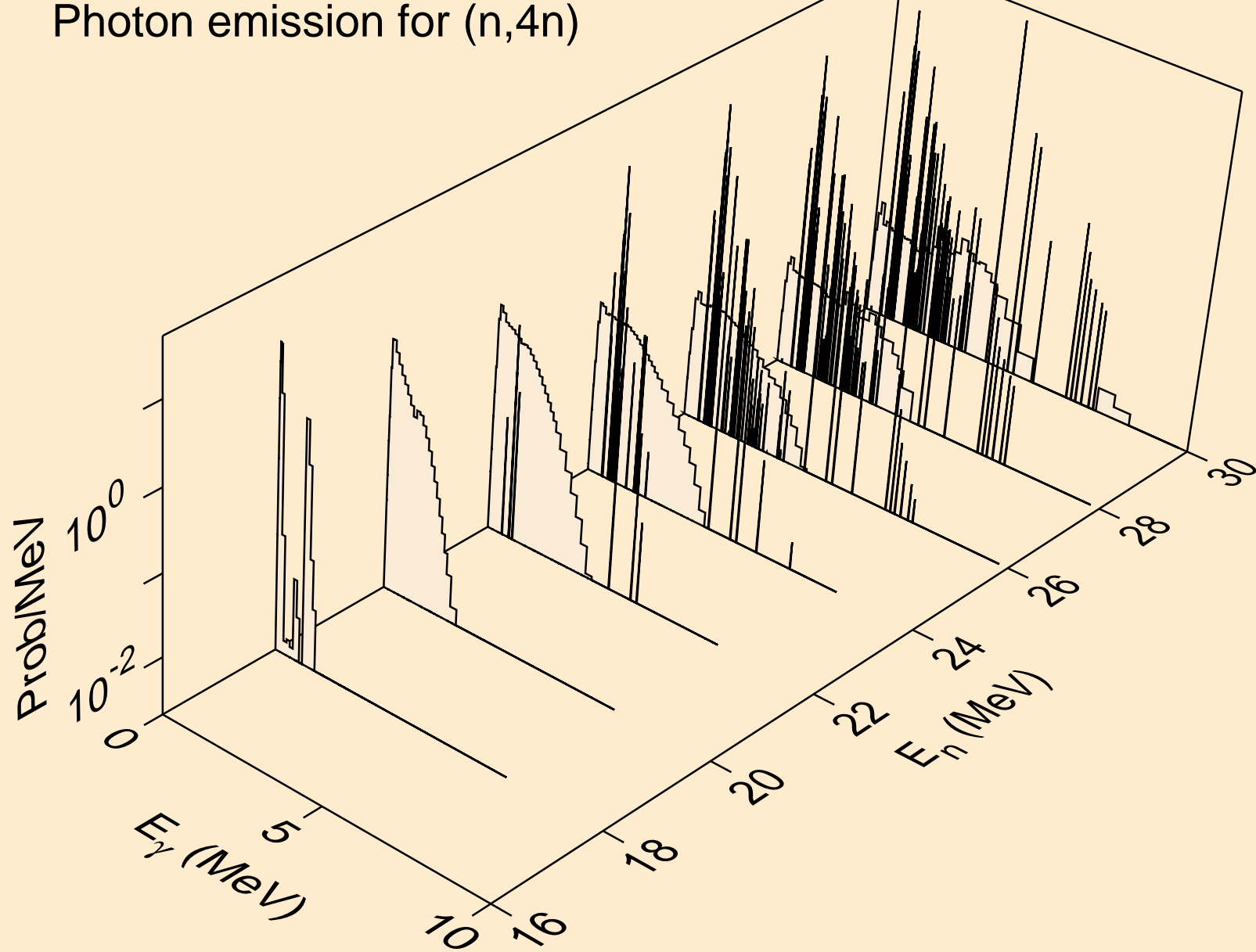
CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*)d



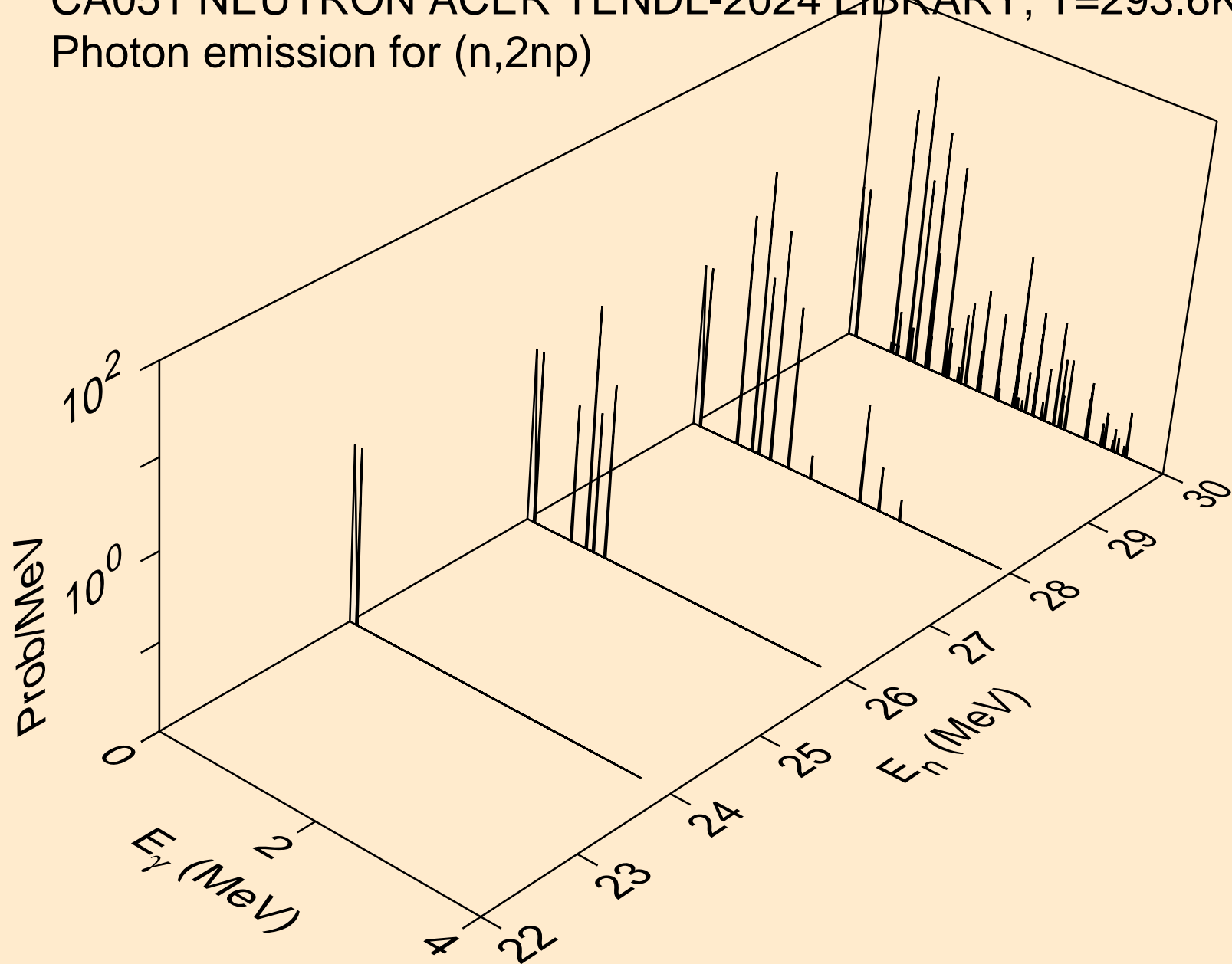
CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*)t



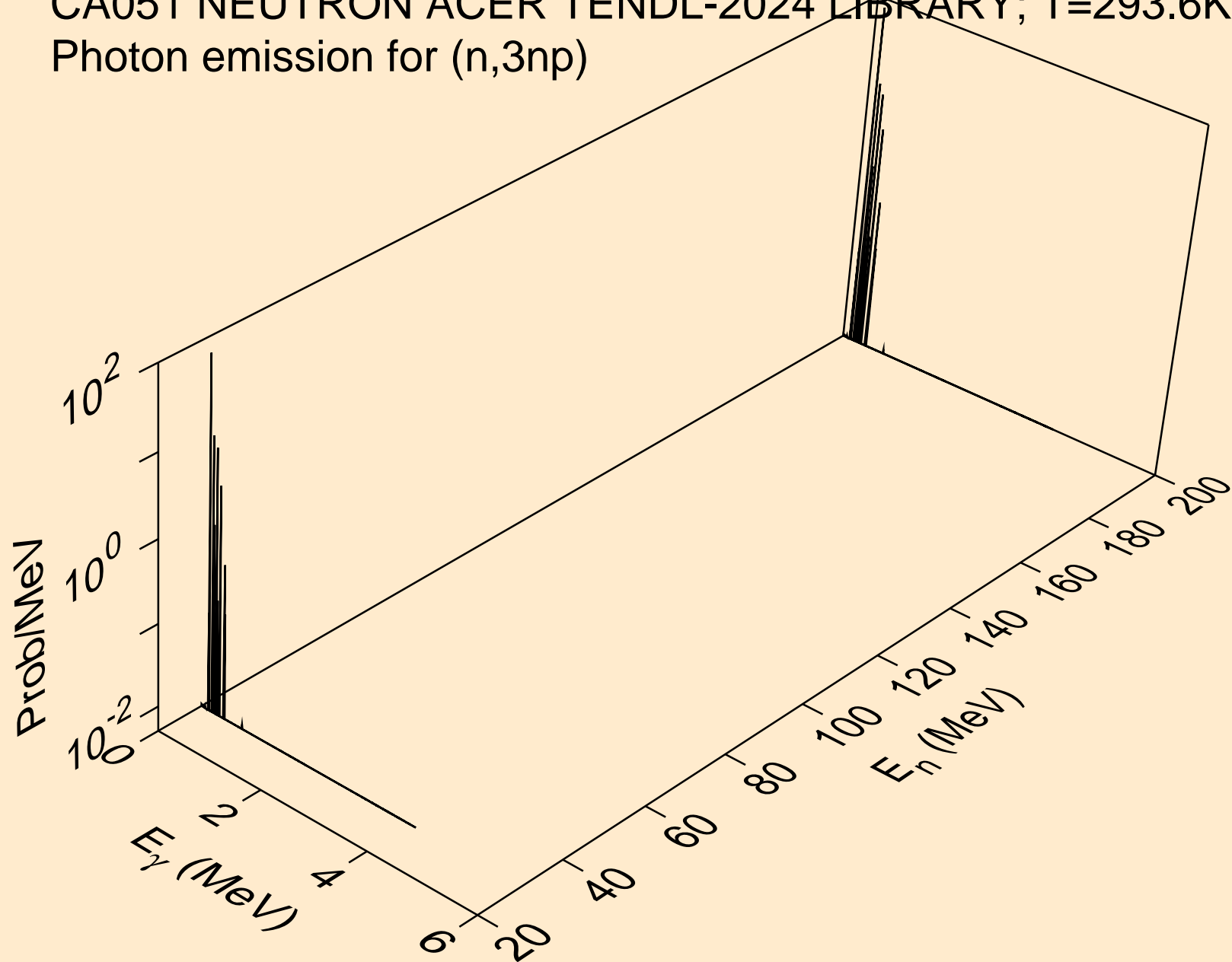
CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,4n)



CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,2np)

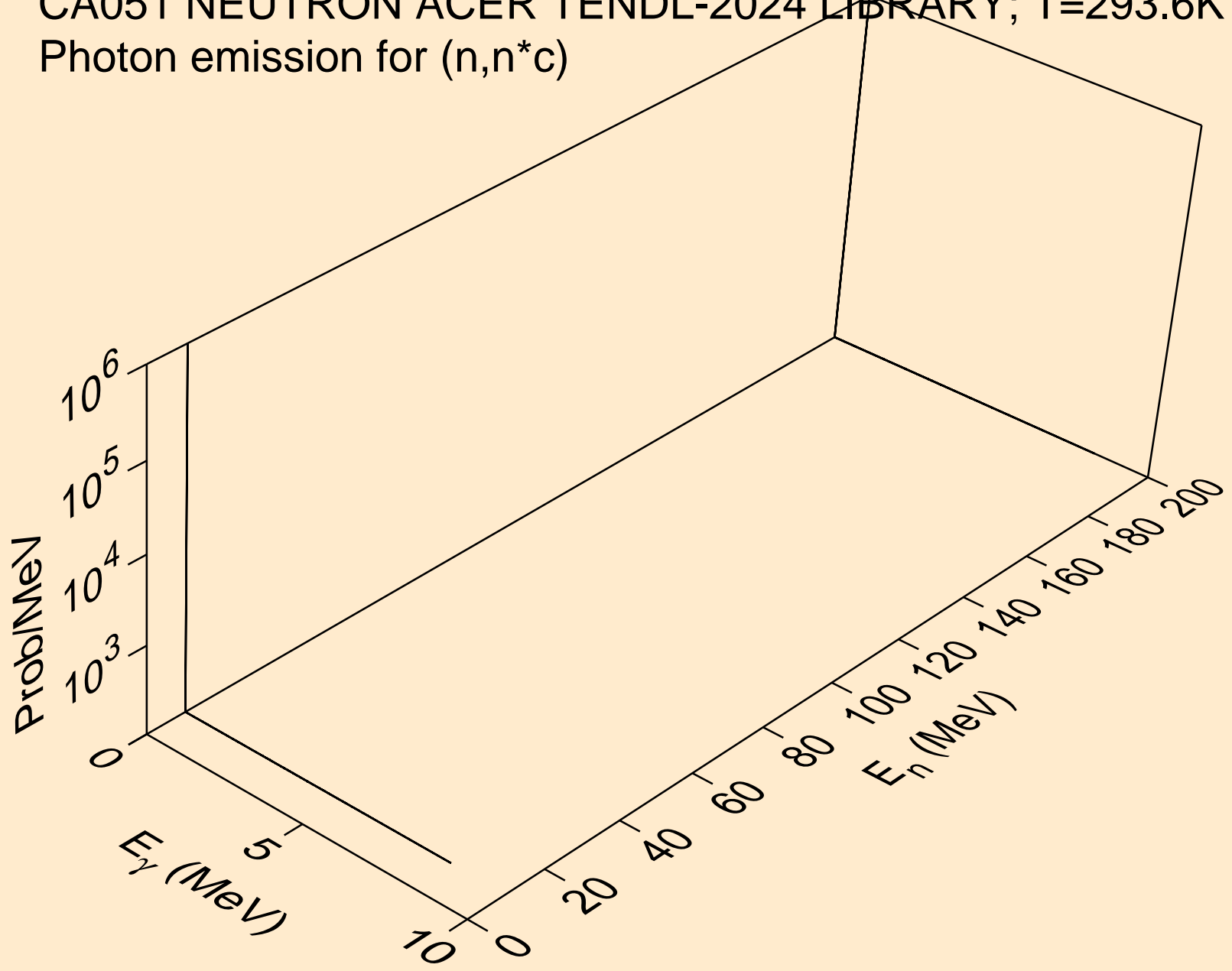


CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,3np)

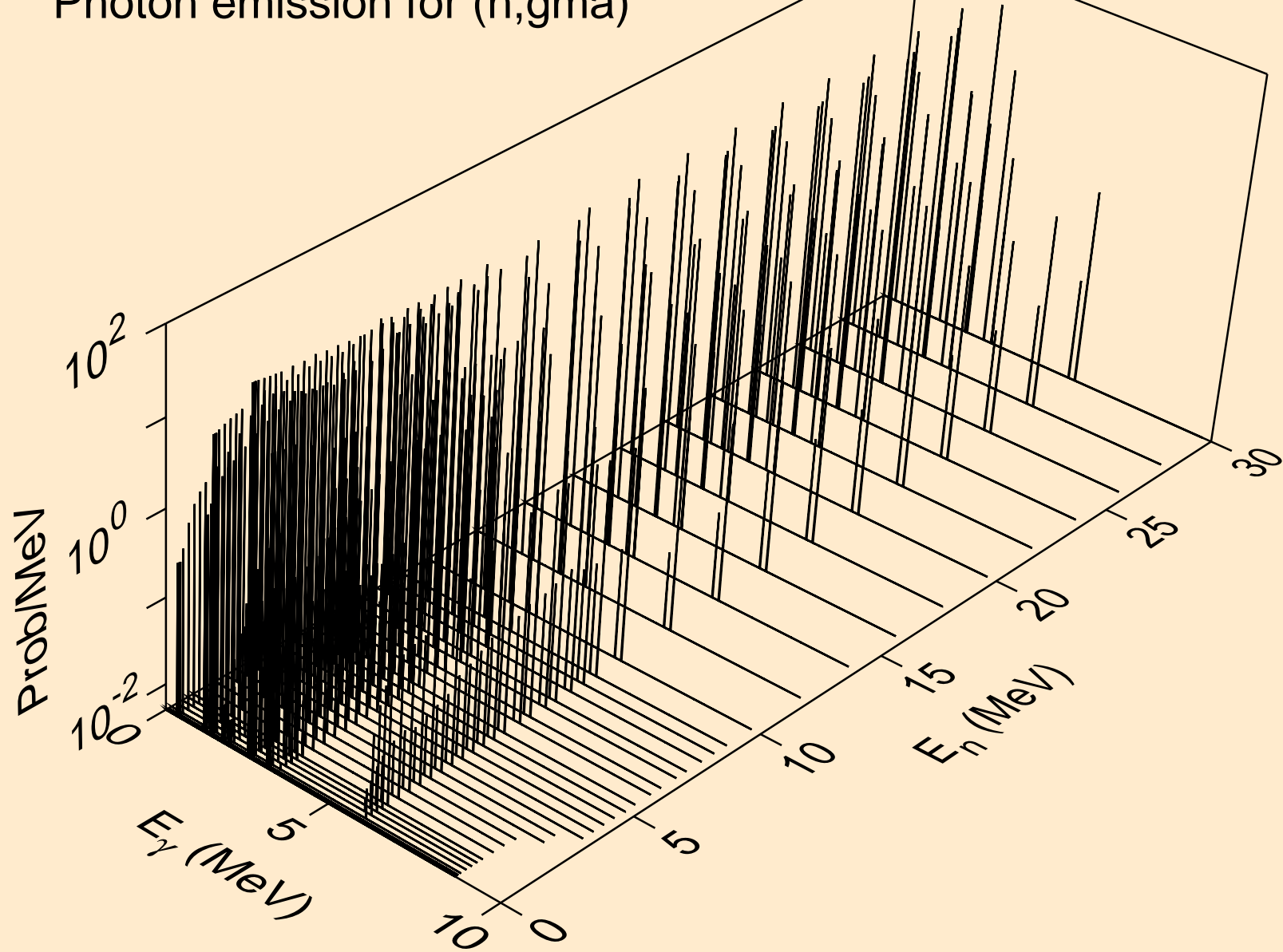




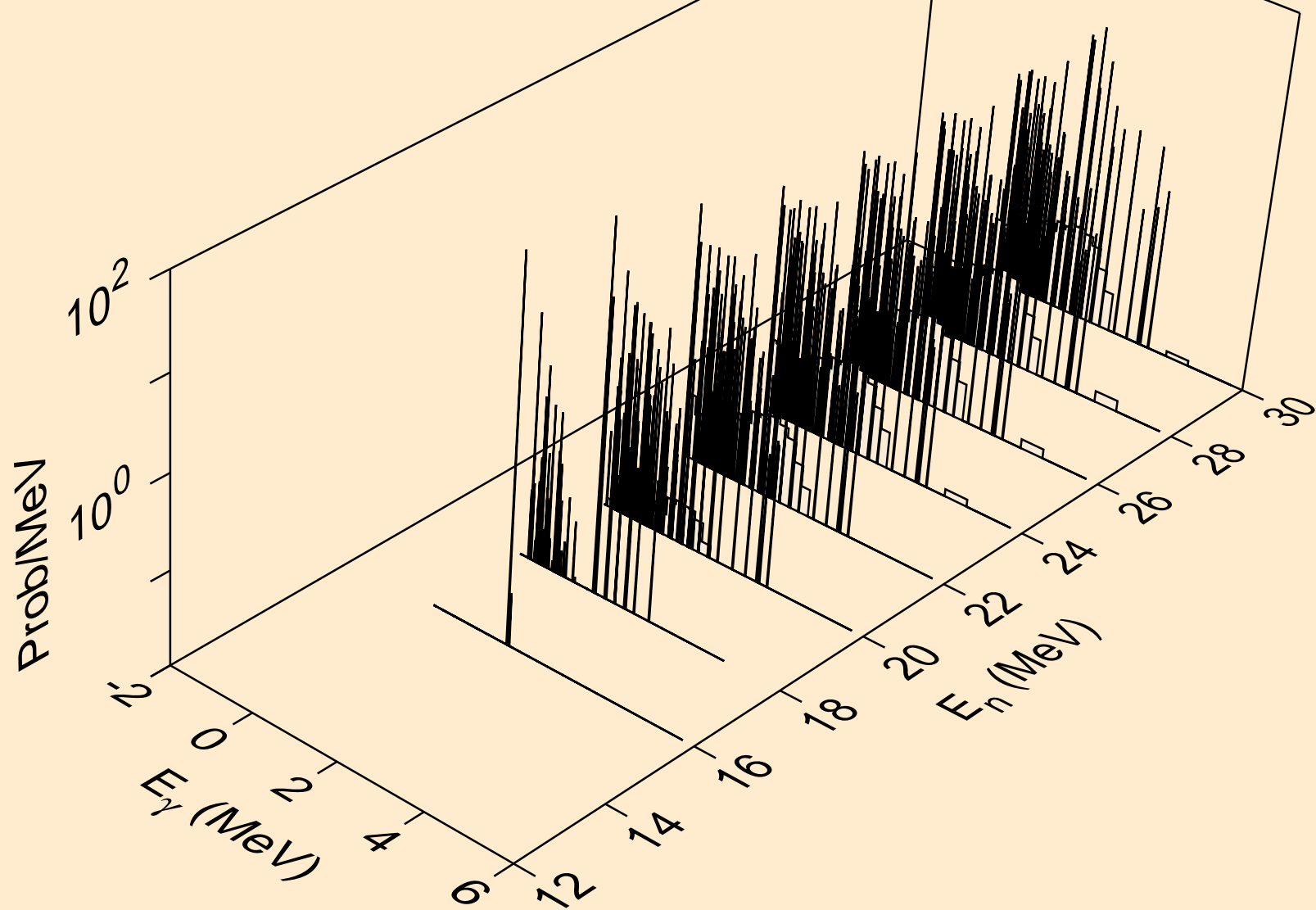
CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*c)



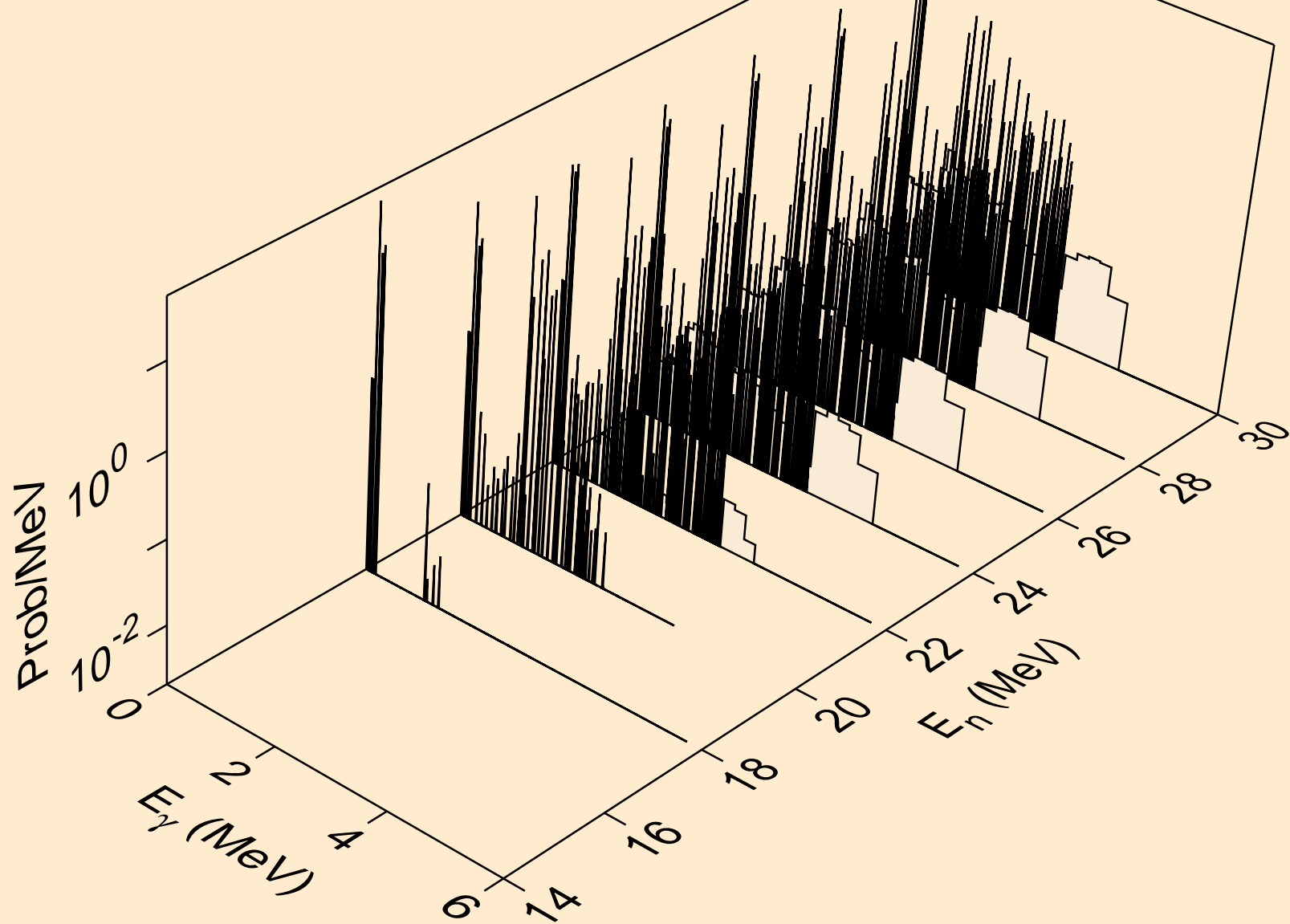
CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,gma)



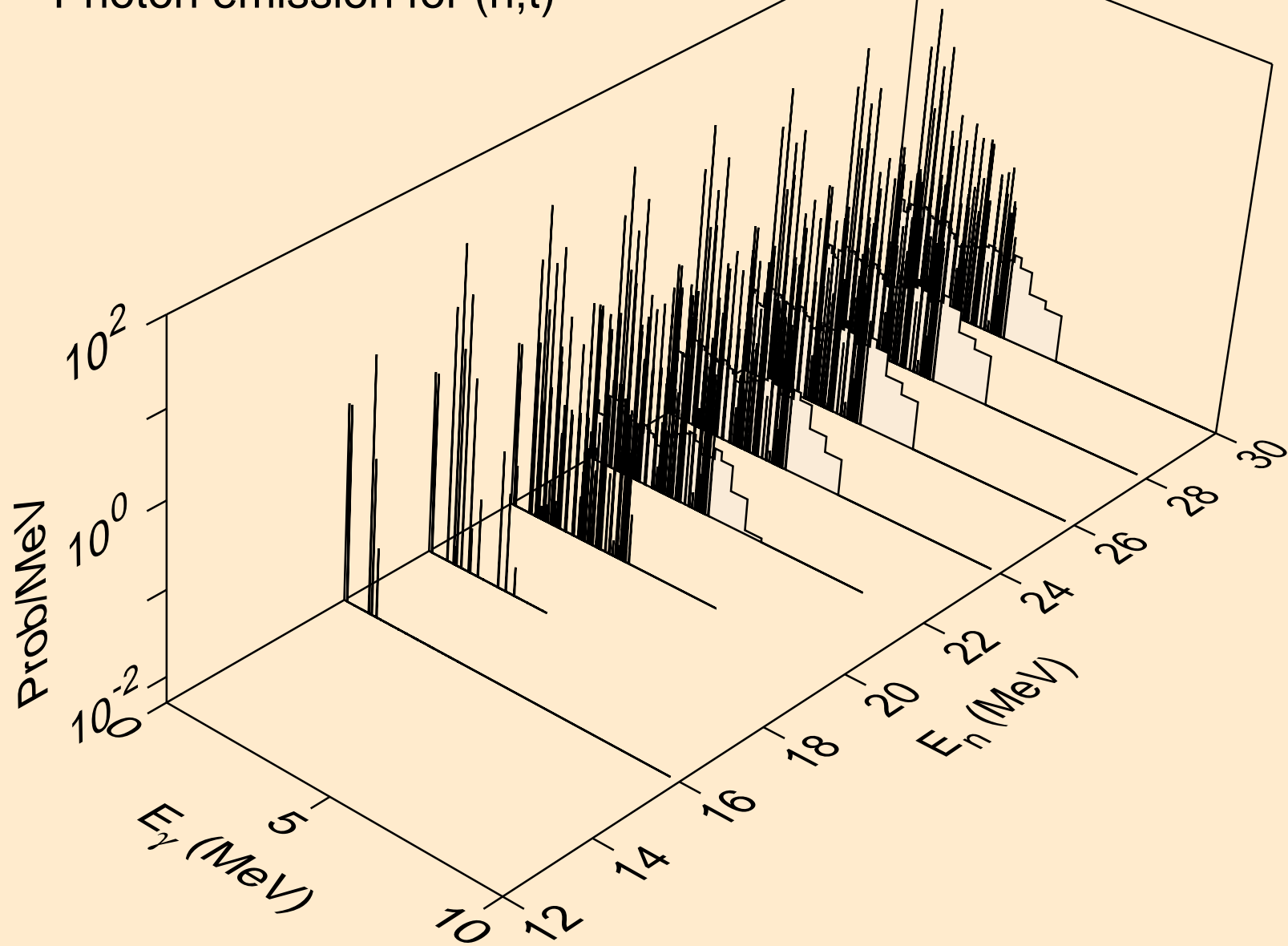
CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,p)



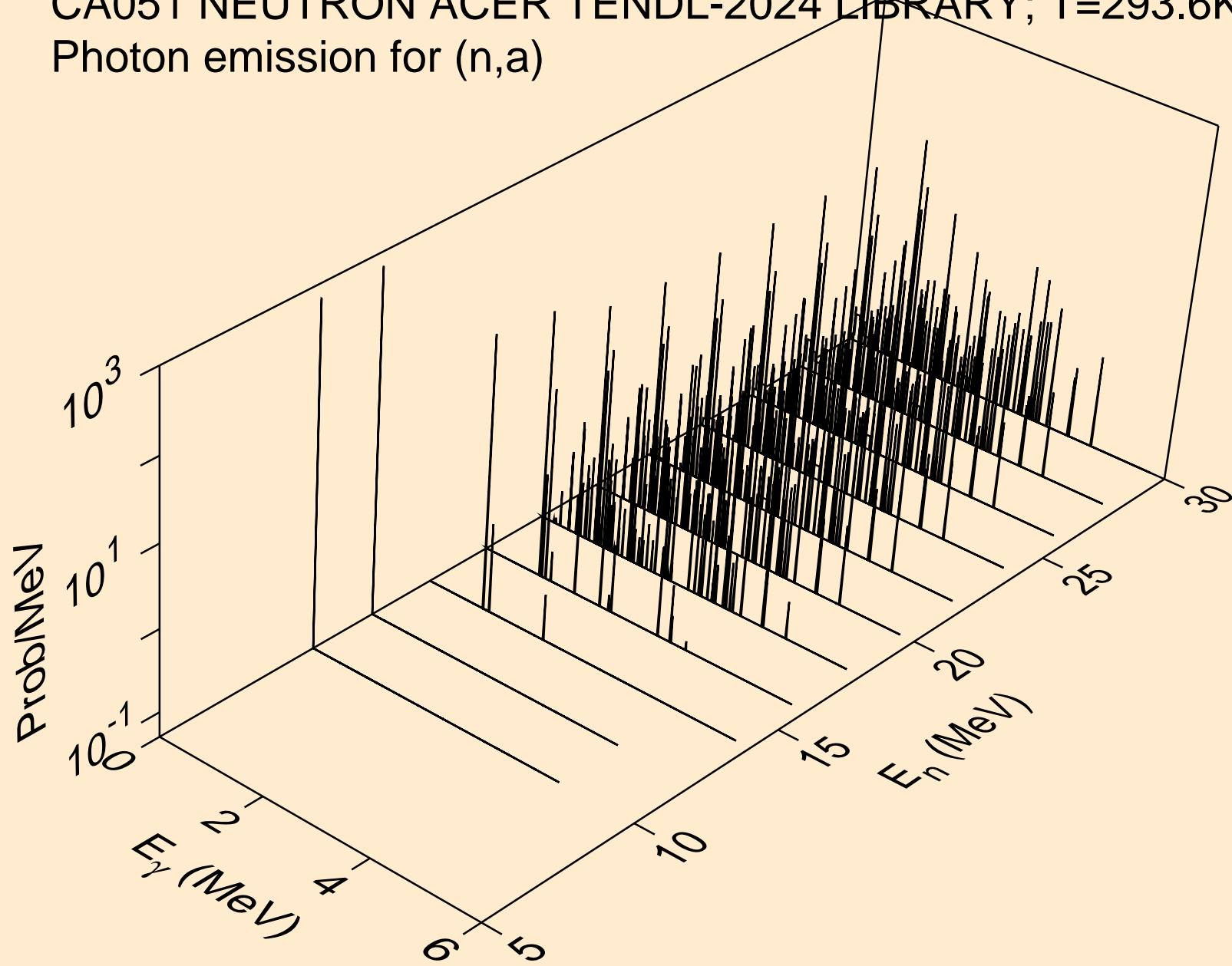
CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,d)



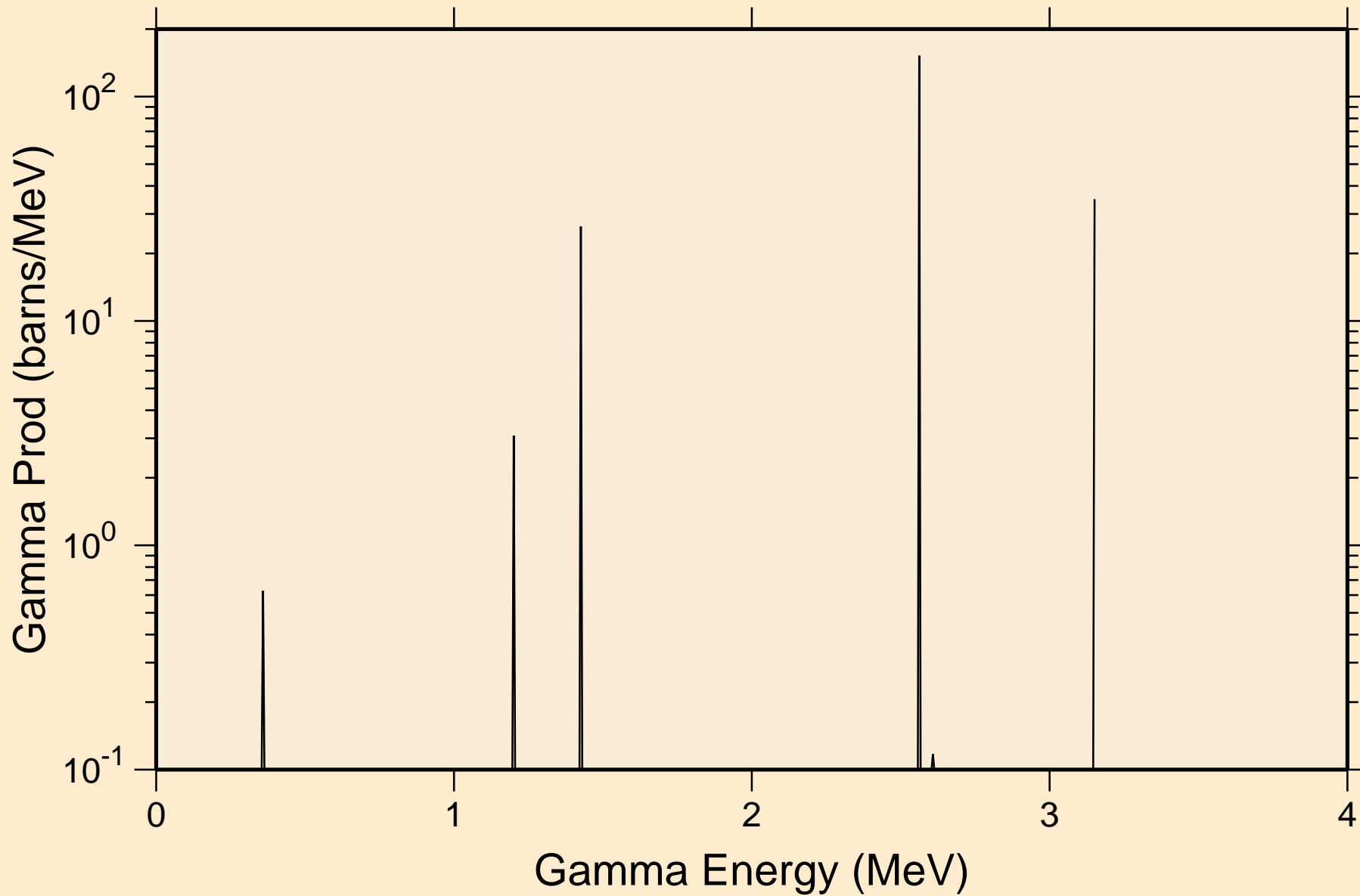
CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,t)



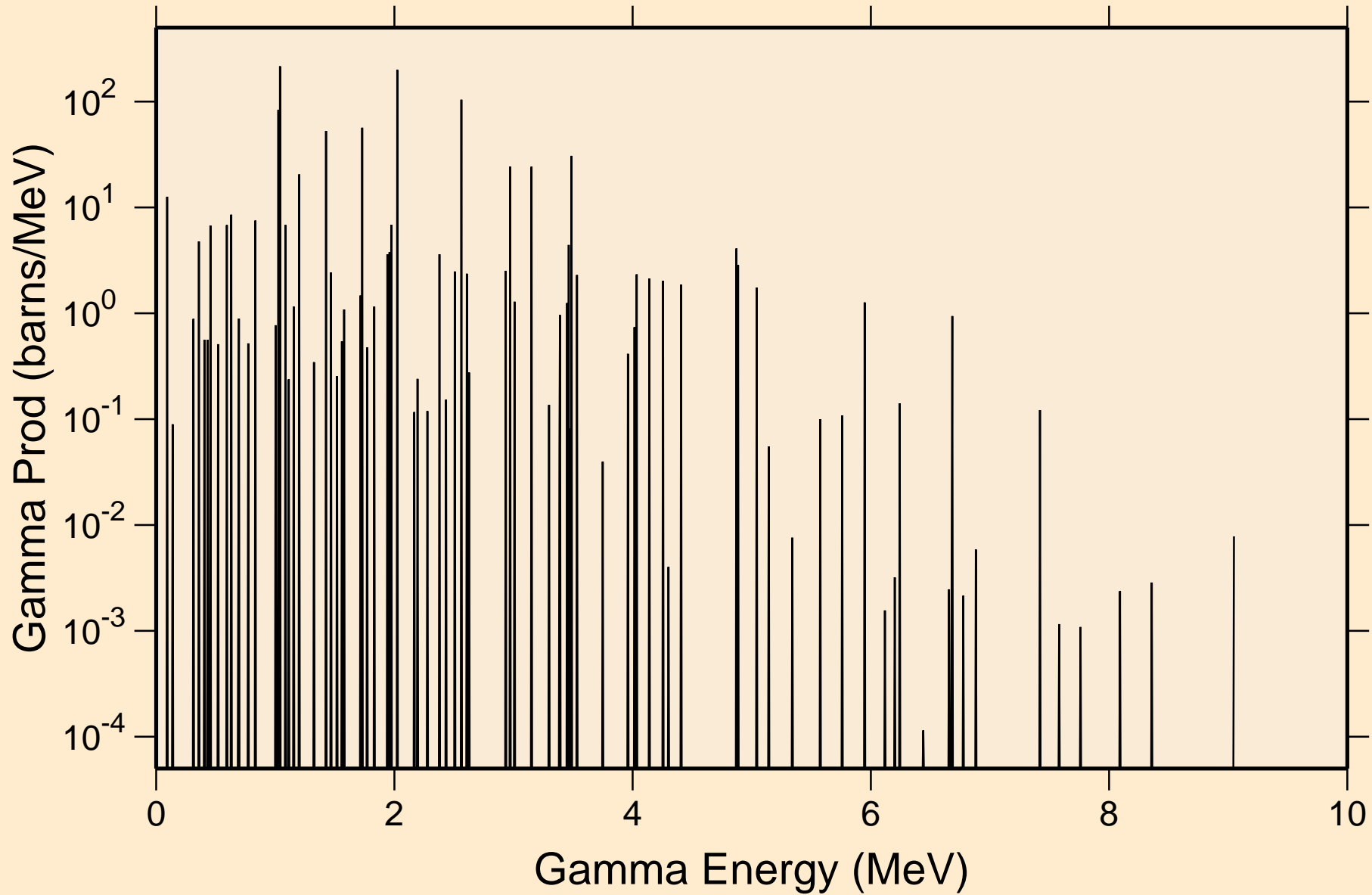
CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,a)



CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
thermal capture photon spectrum



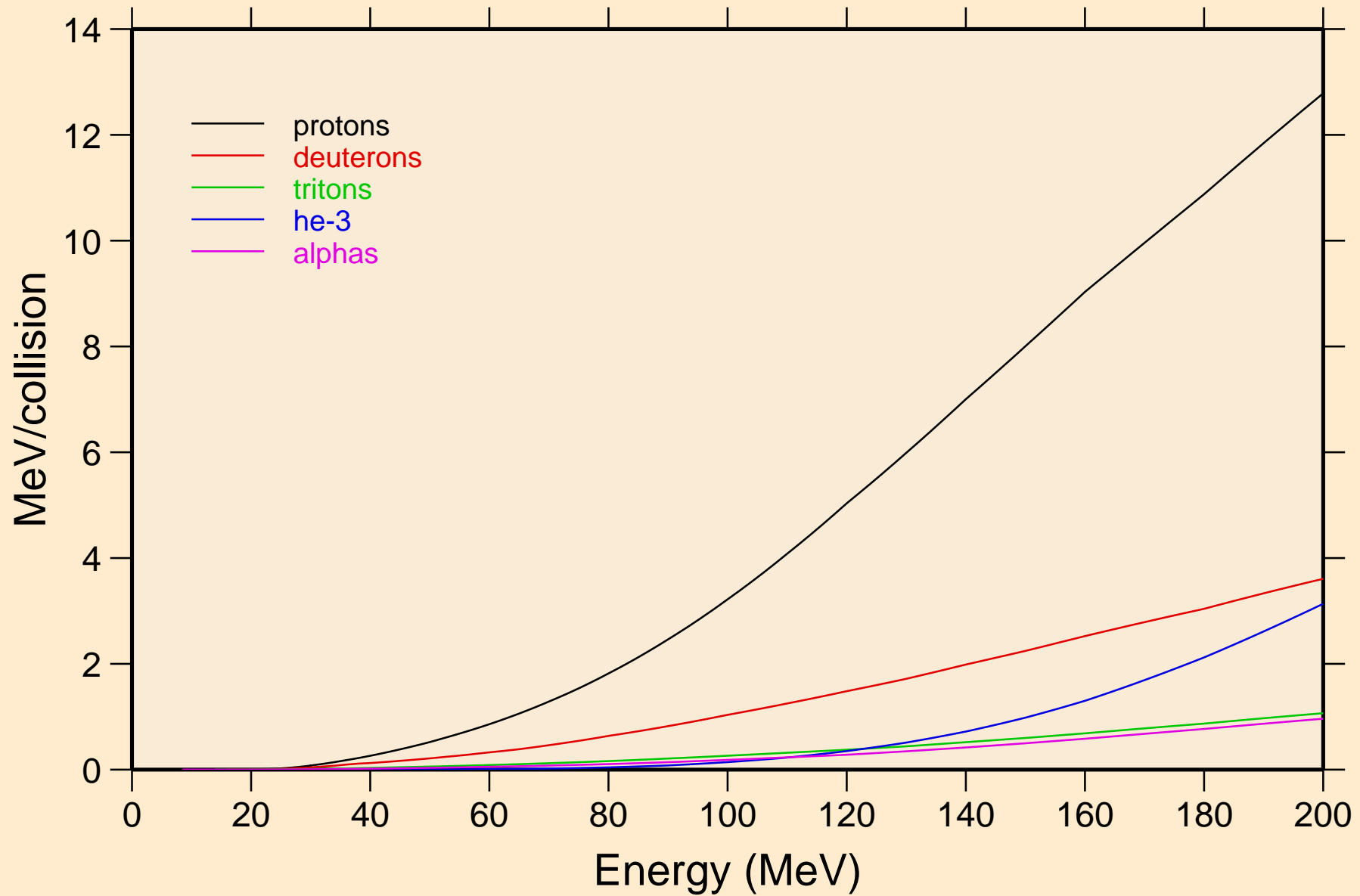
CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
14 MeV photon spectrum



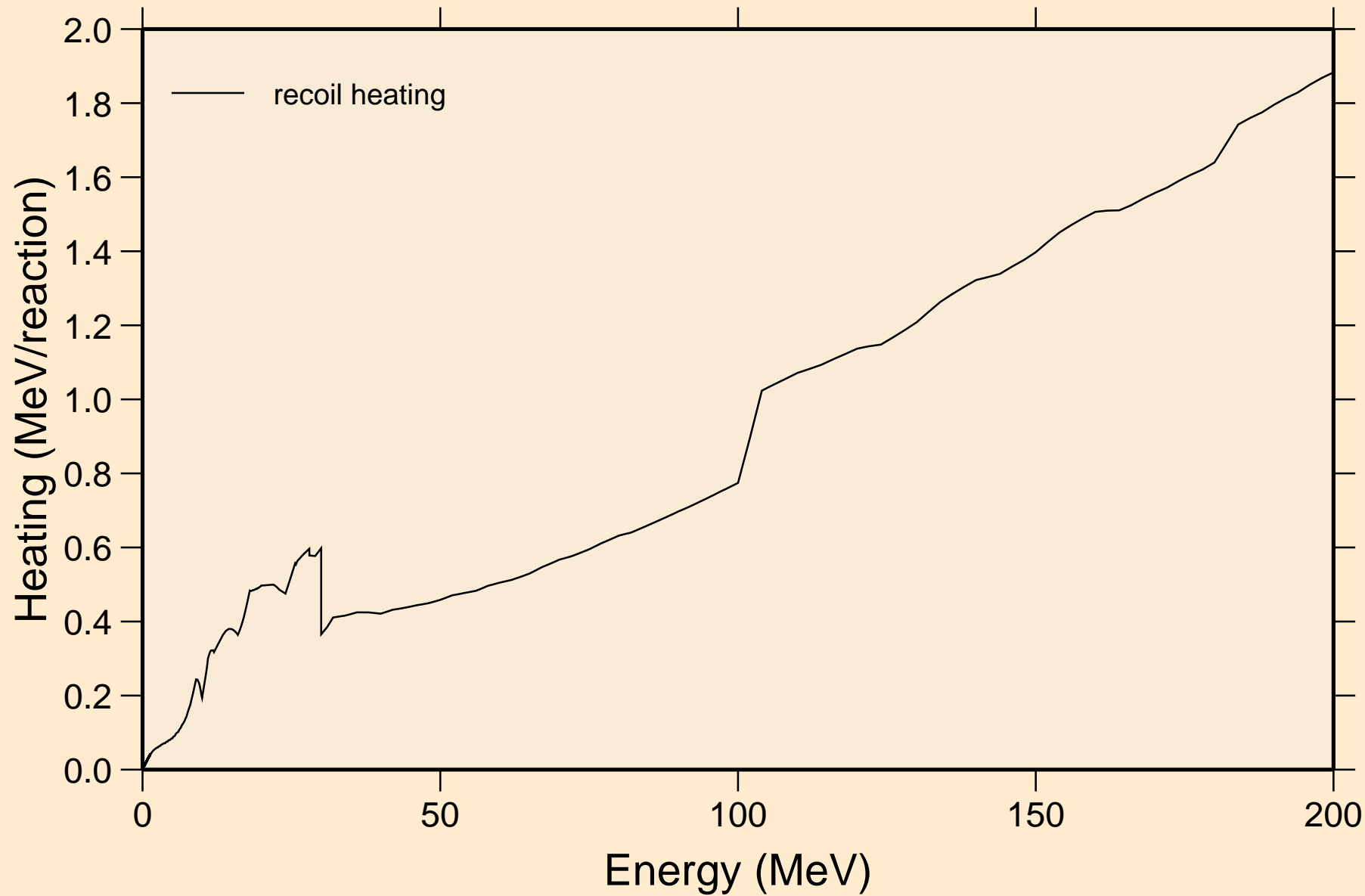


# CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

## Particle heating contributions

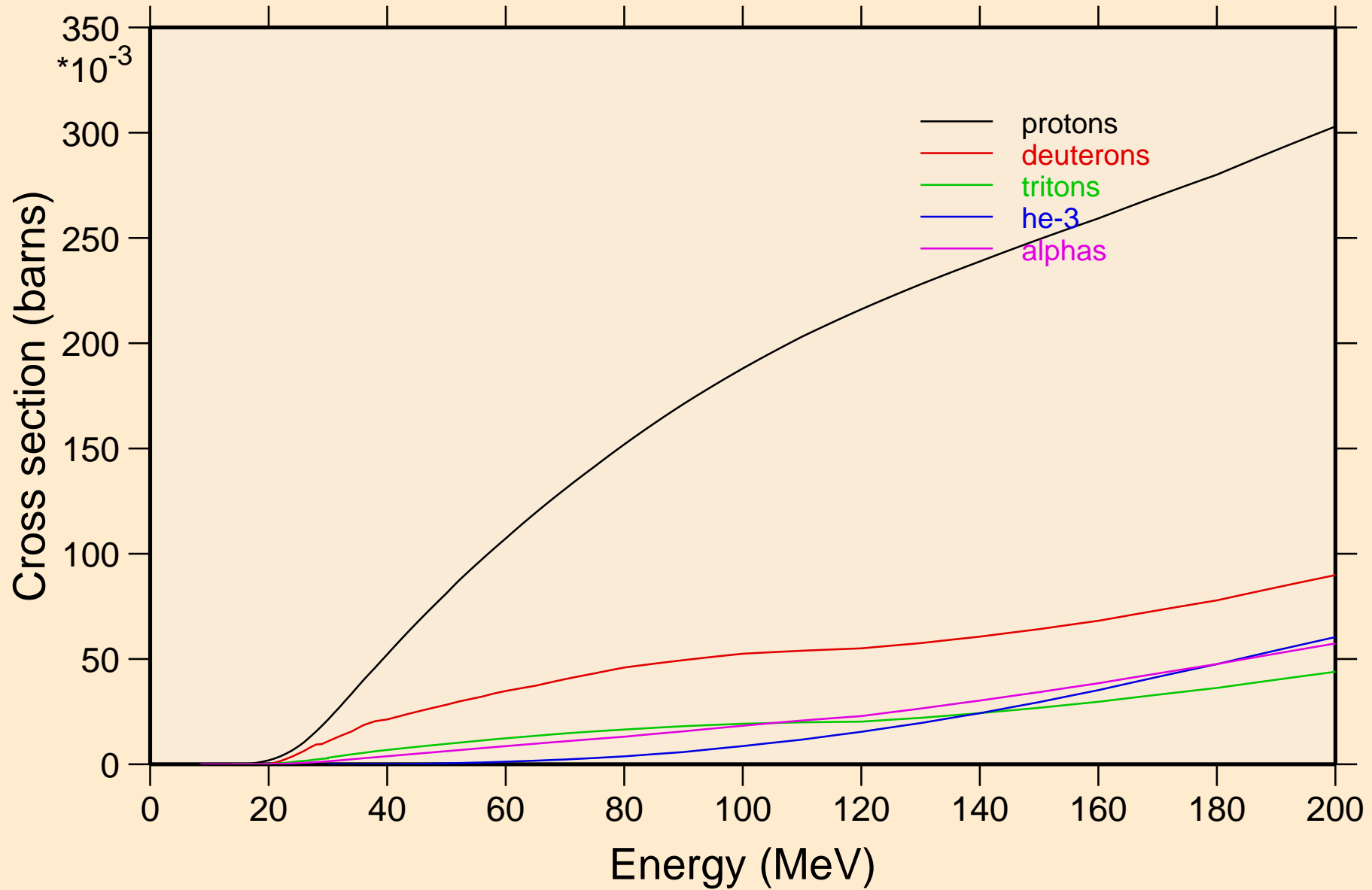


CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Recoil Heating

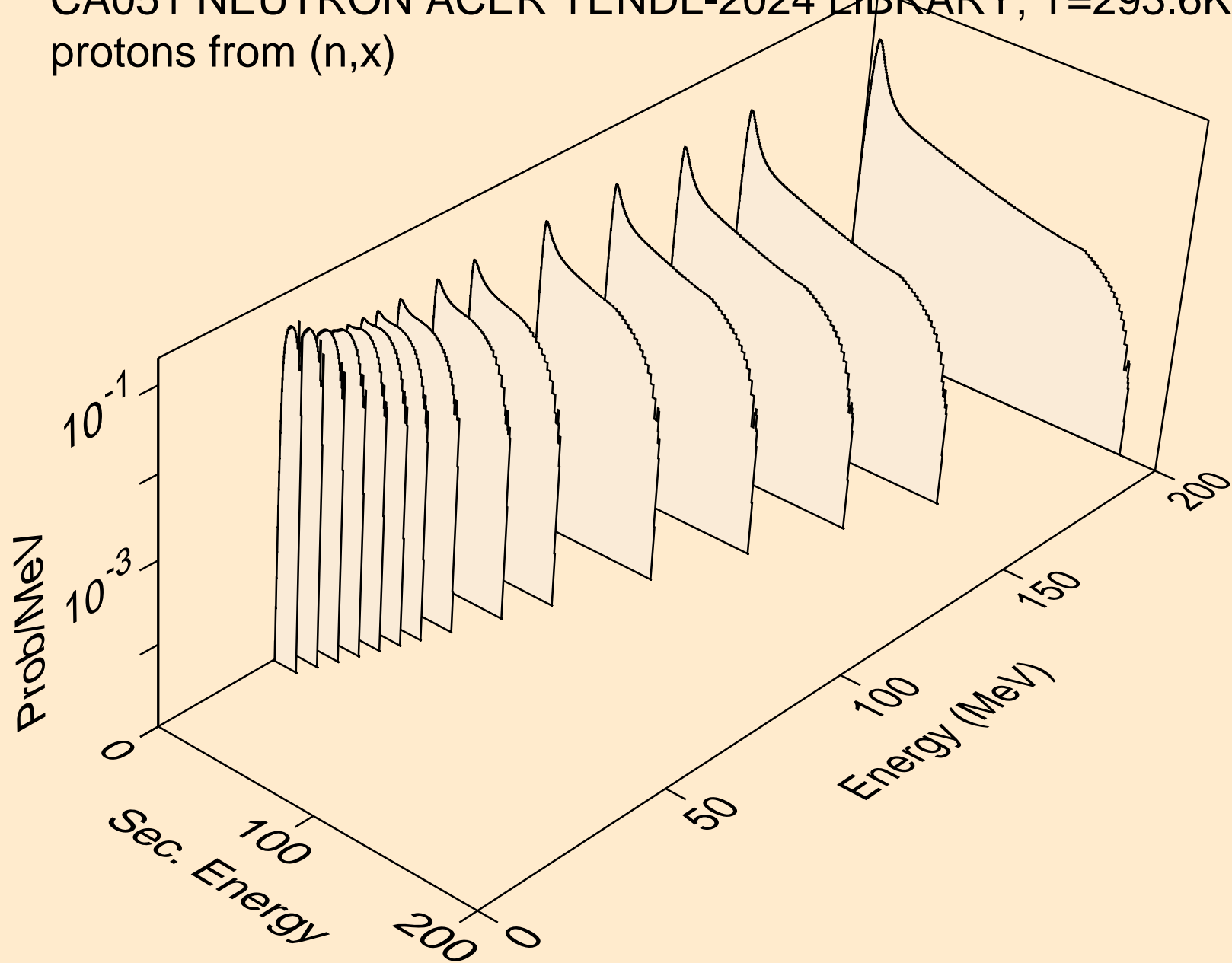


# CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

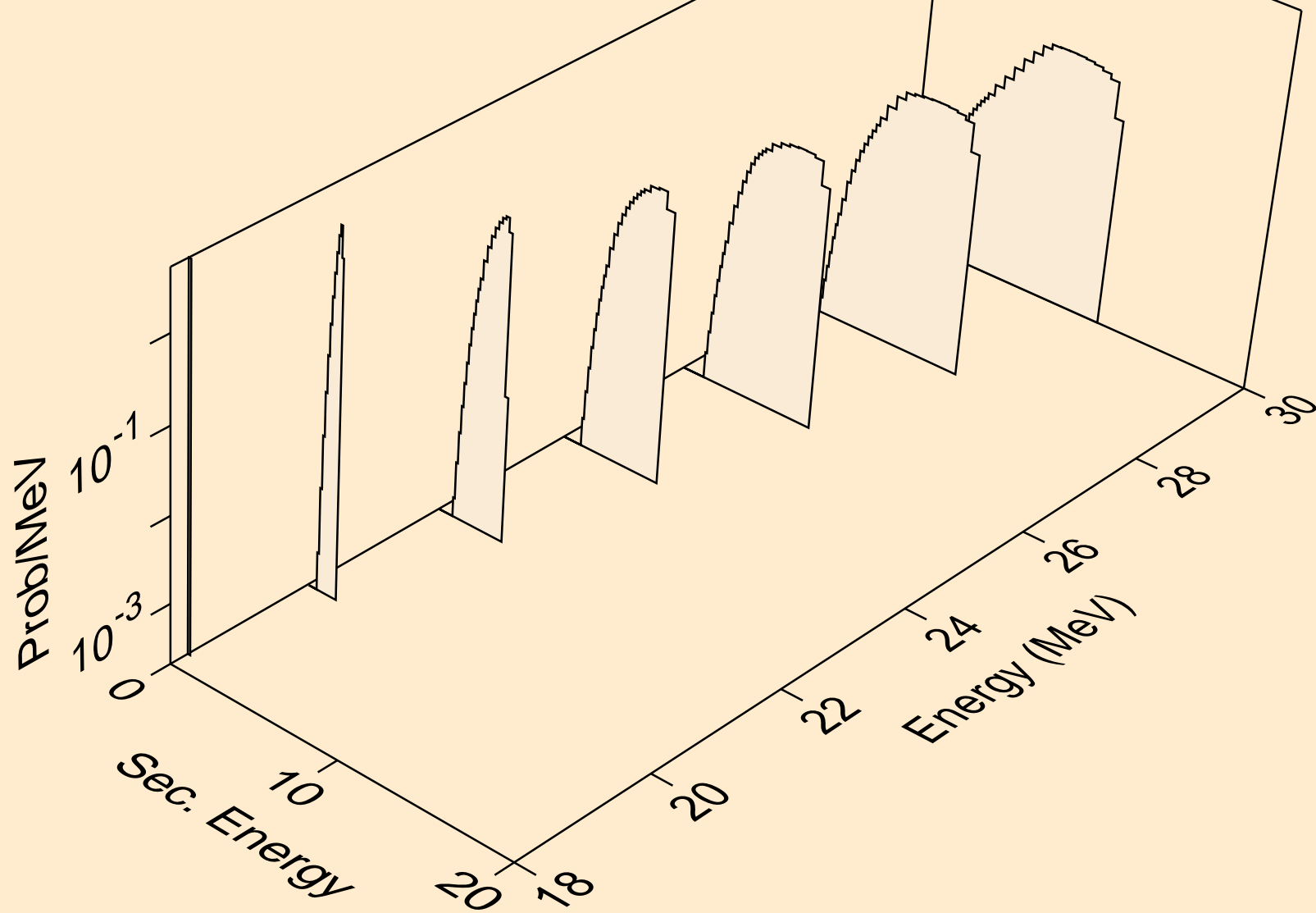
## Particle production cross sections



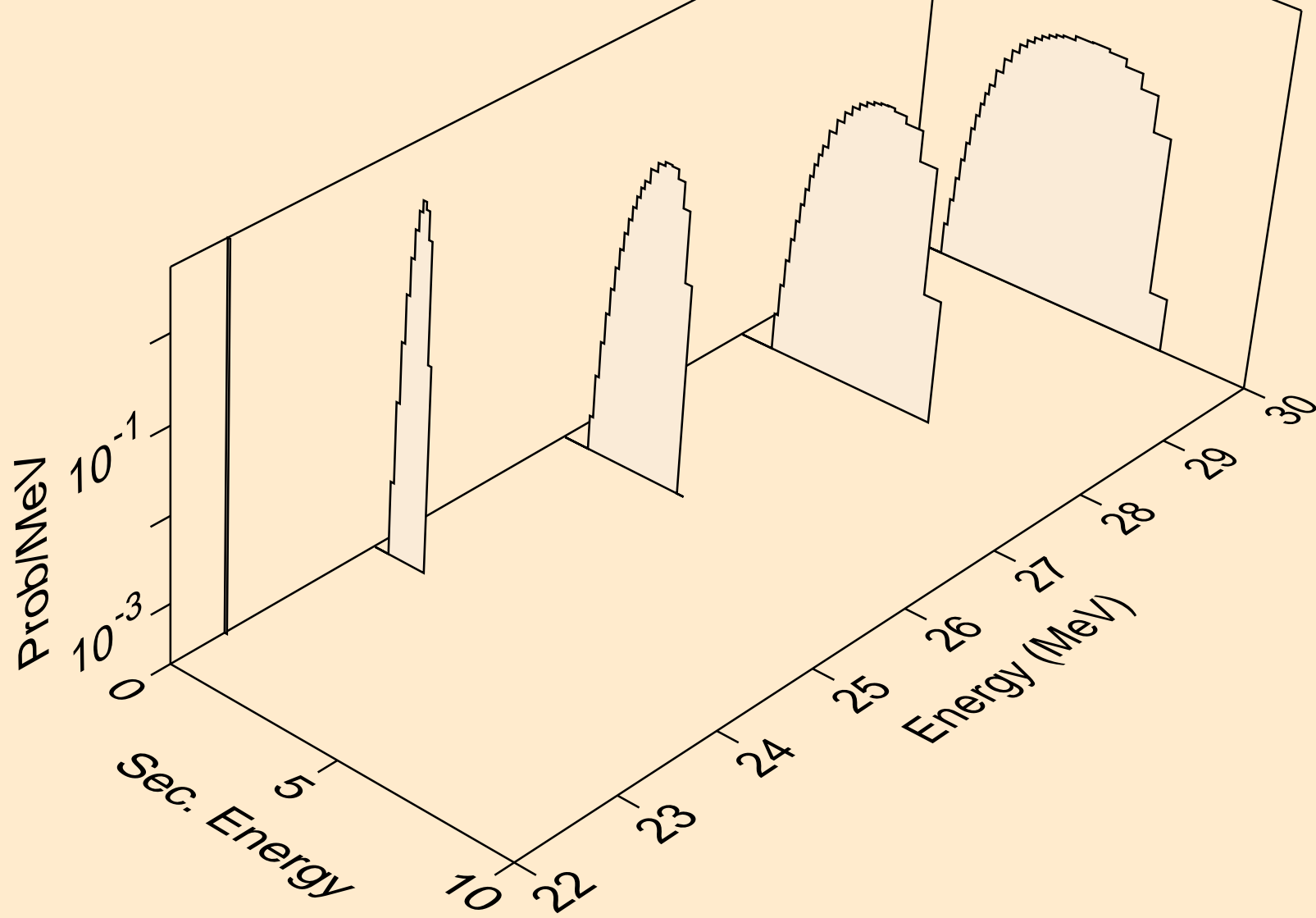
CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
protons from (n,x)



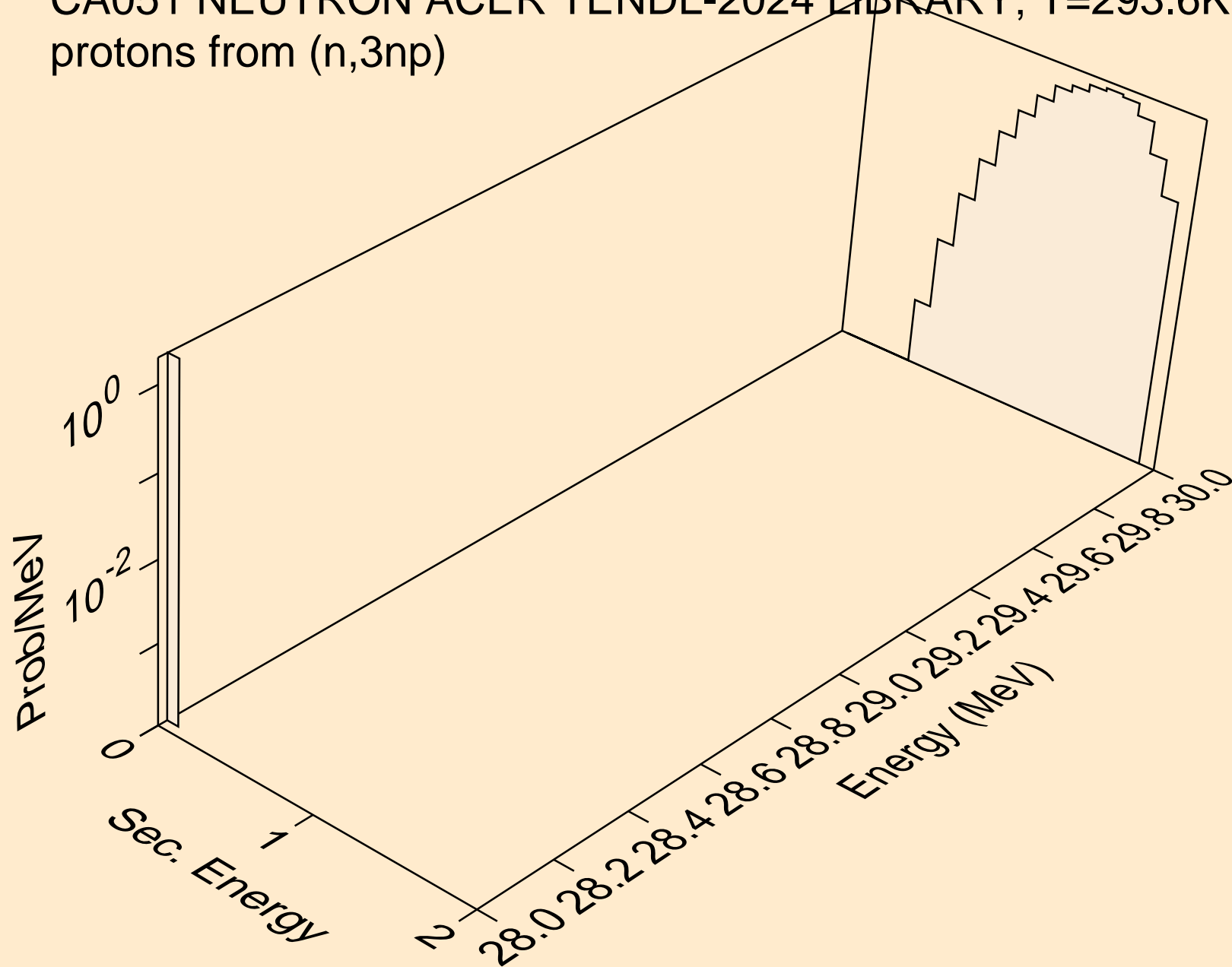
CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
protons from (n,n\*)p



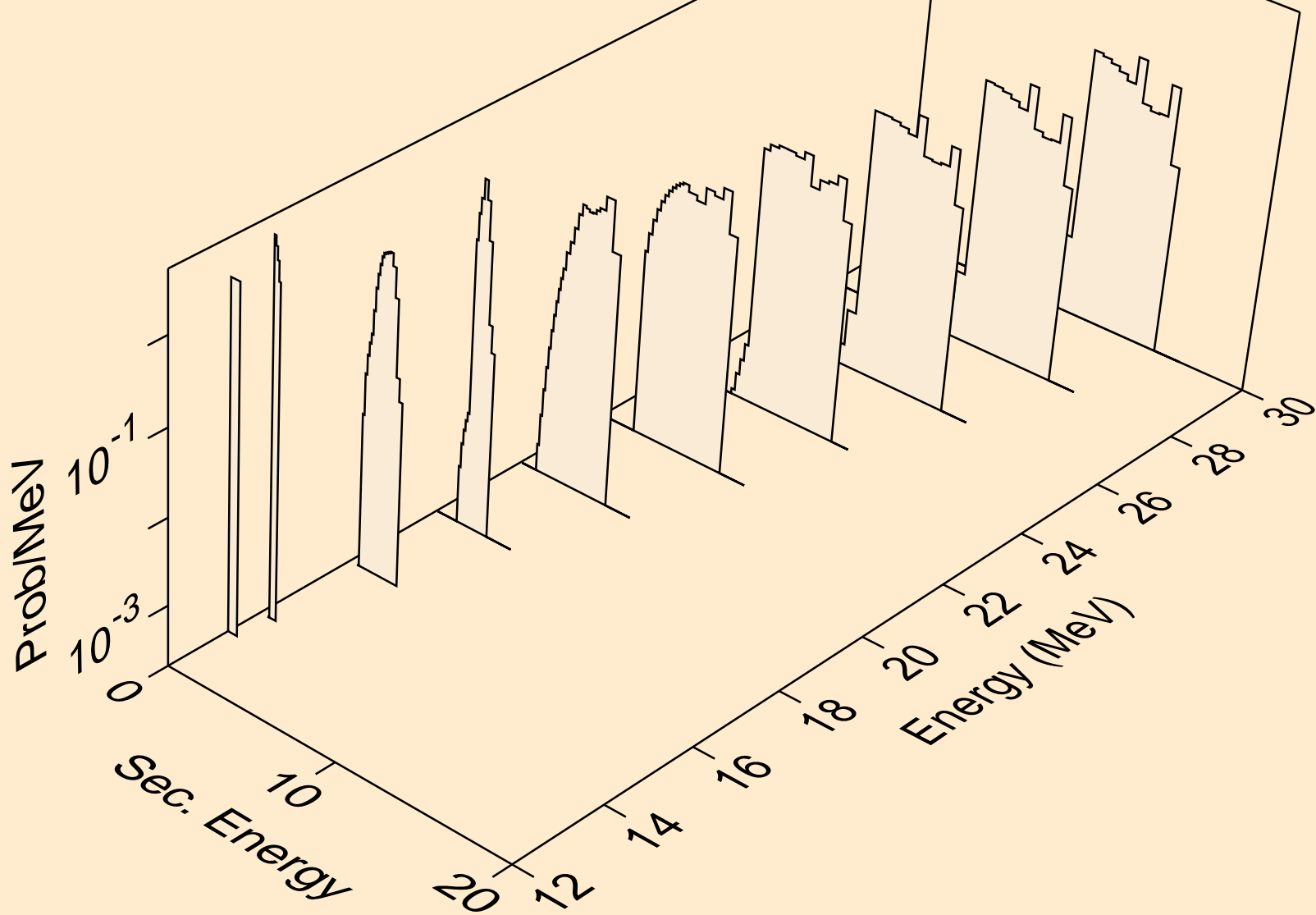
CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
protons from (n,2np)



CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
protons from (n,3np)

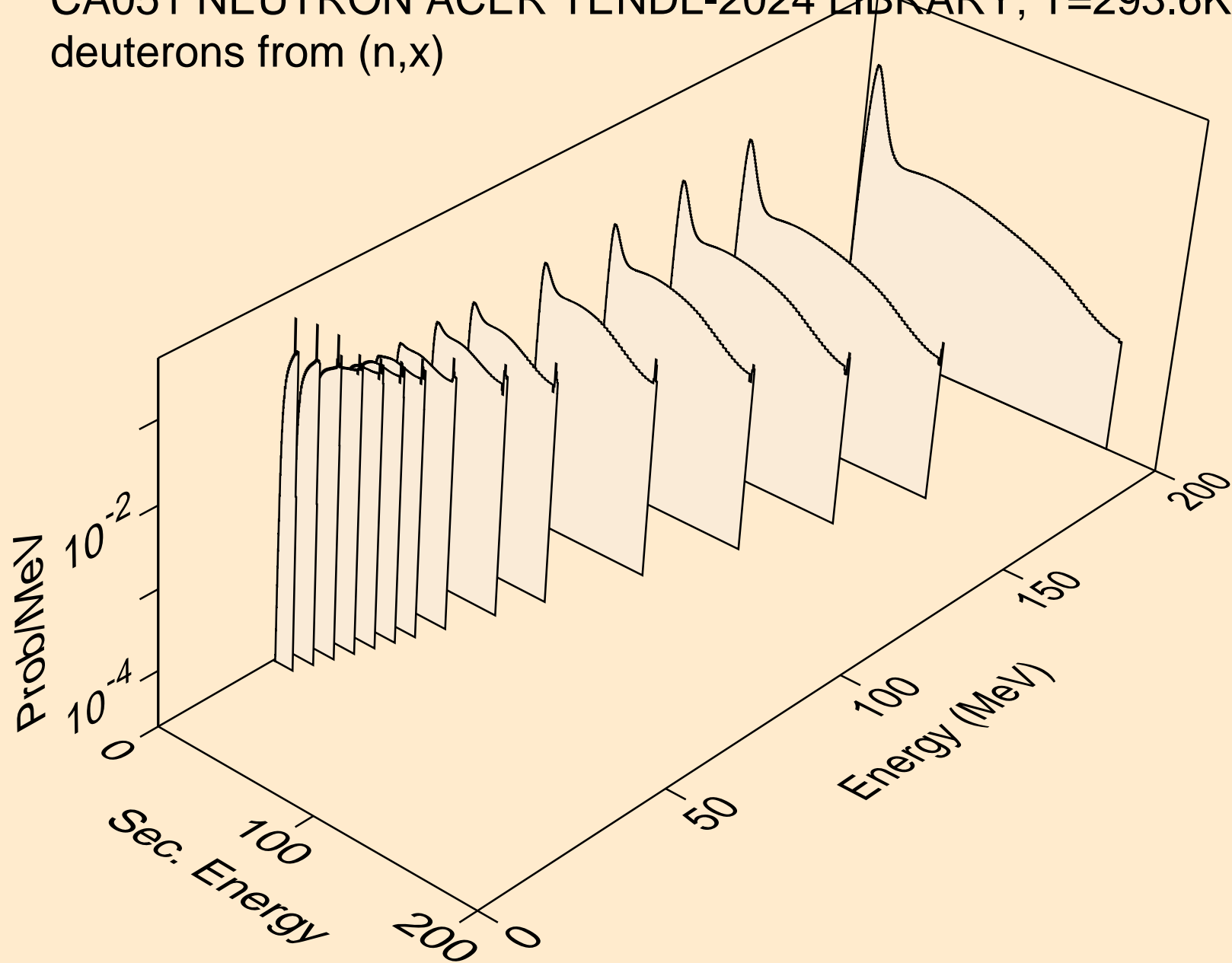


CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
protons from (n,p)

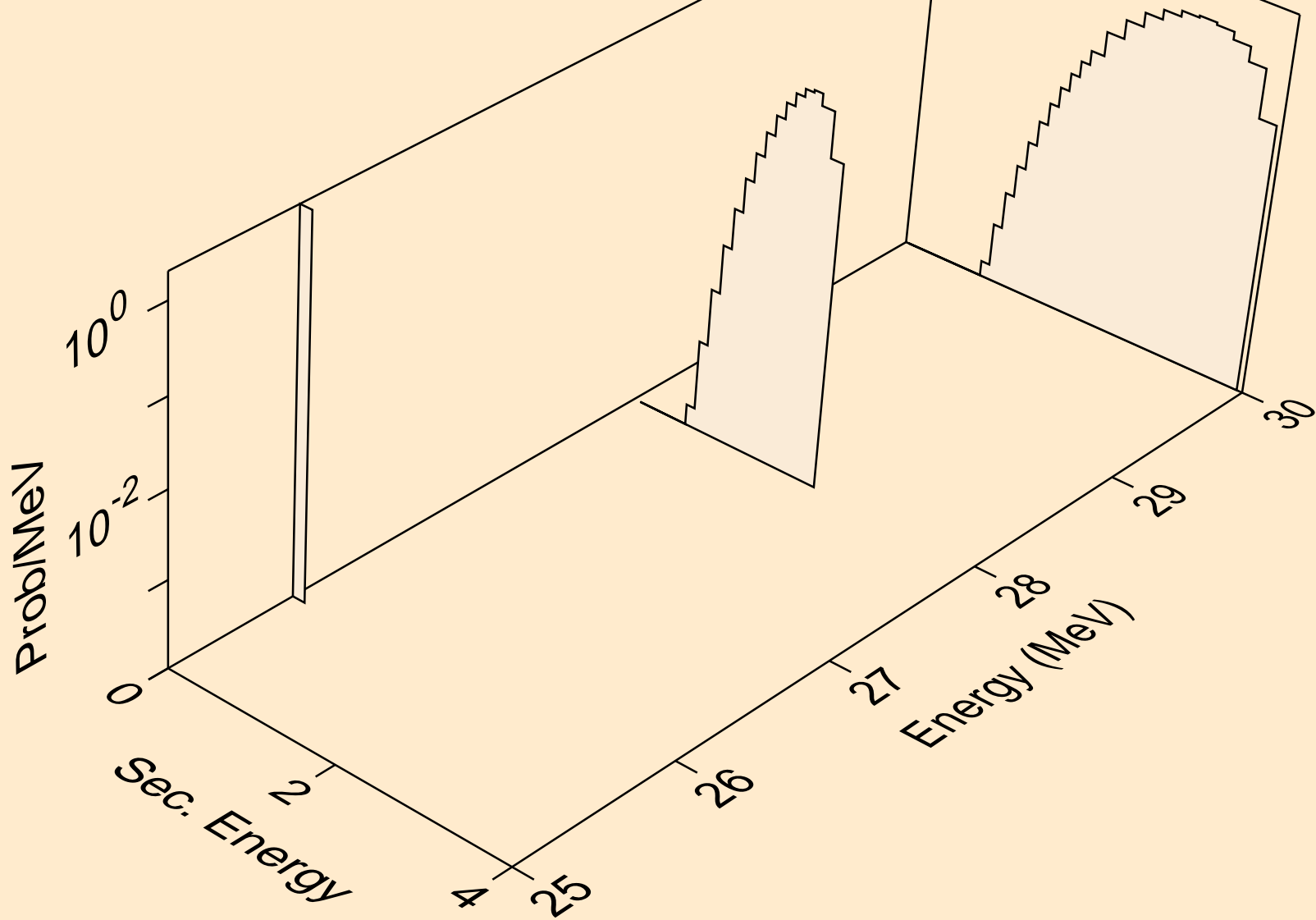




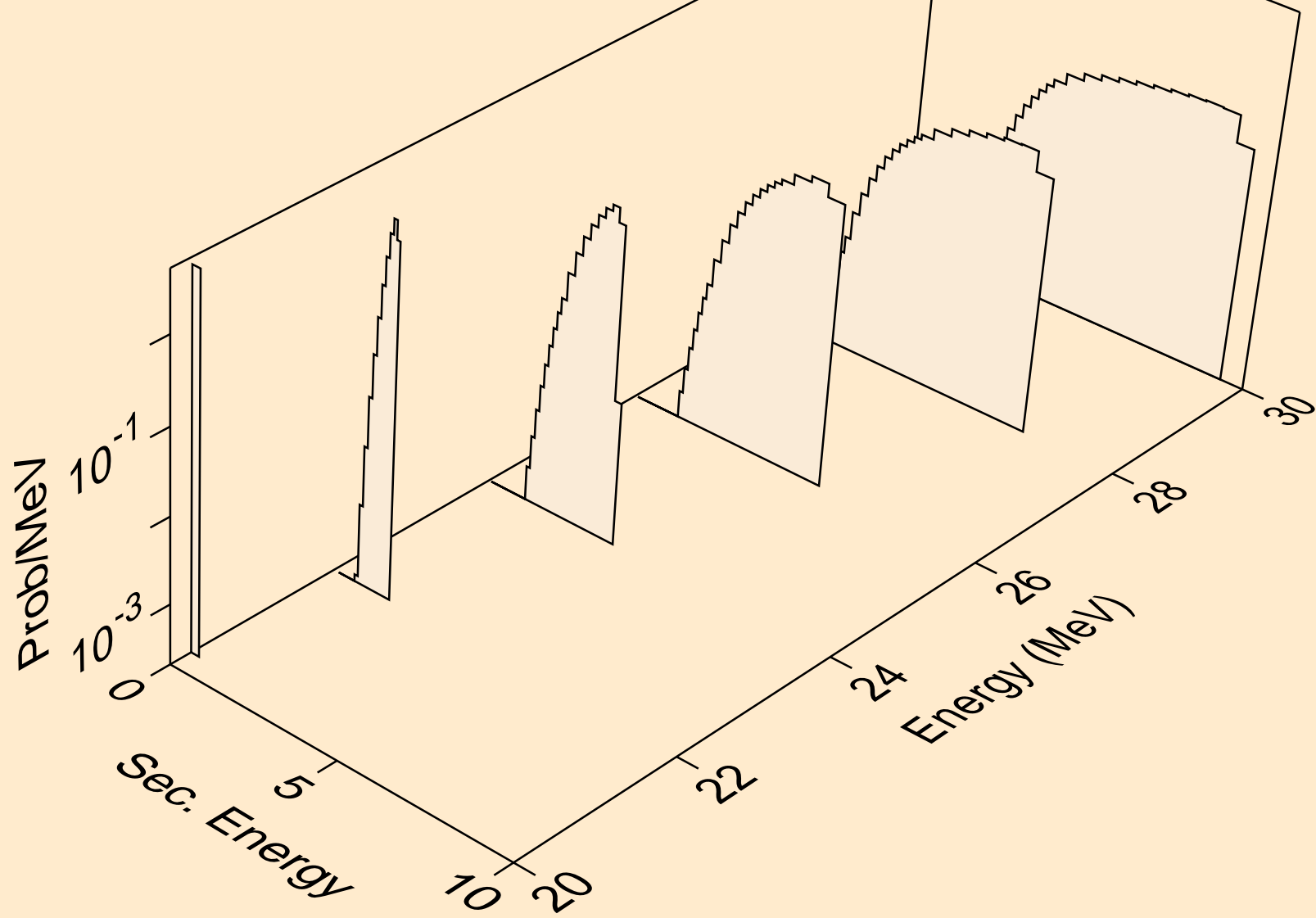
CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
deuterons from (n,x)



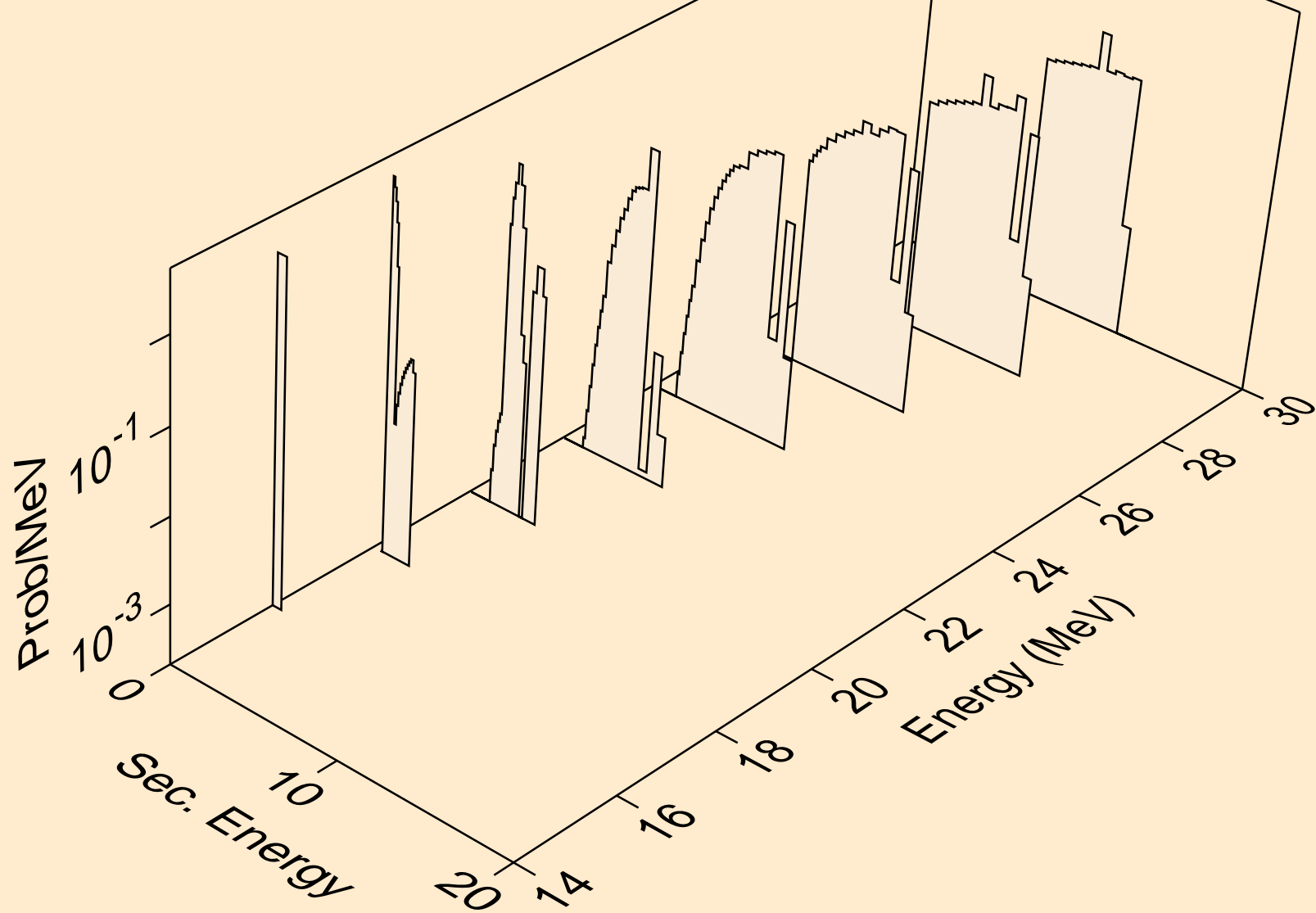
CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
deuterons from (n,2nd)



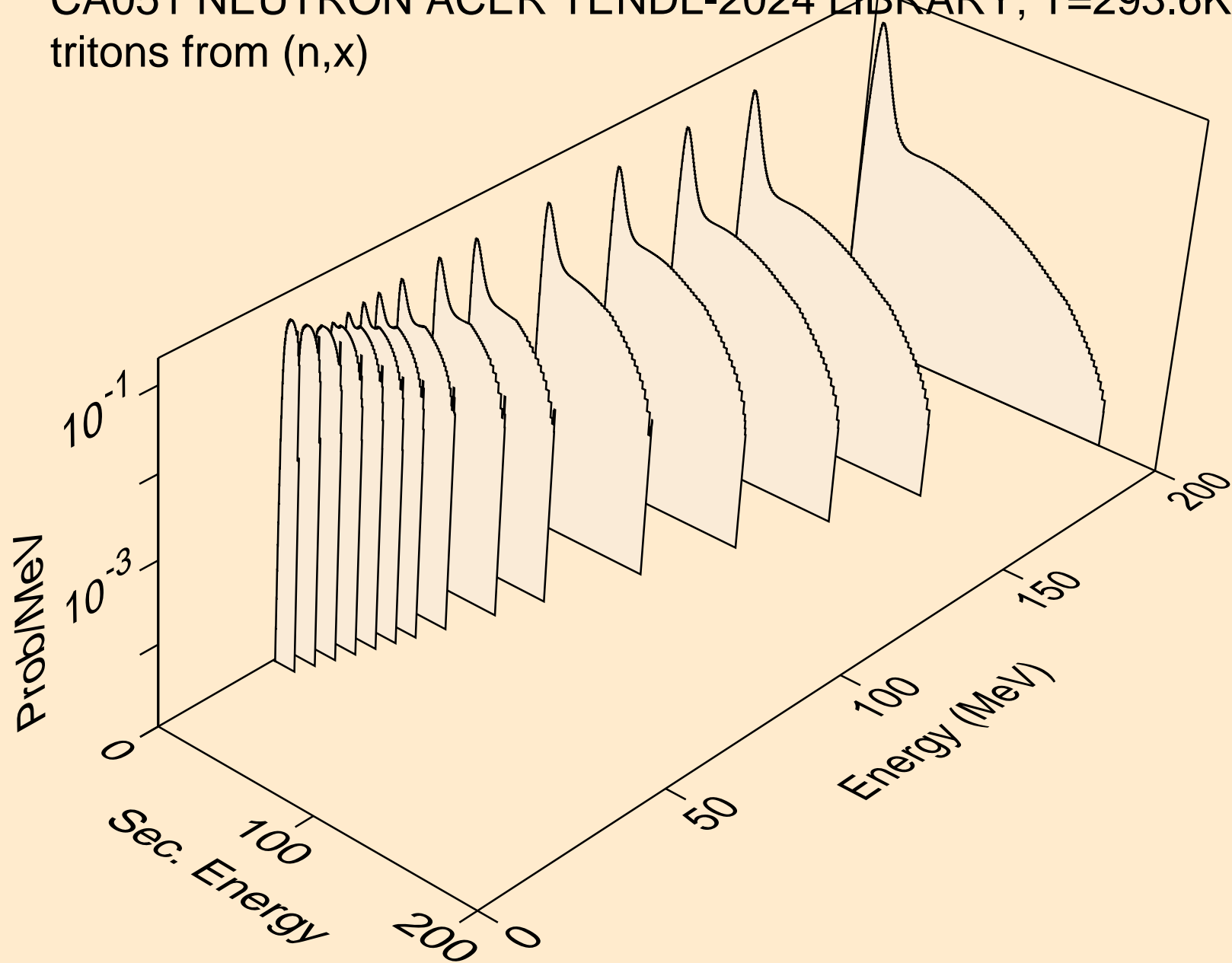
CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
deuterons from (n,n\*)d



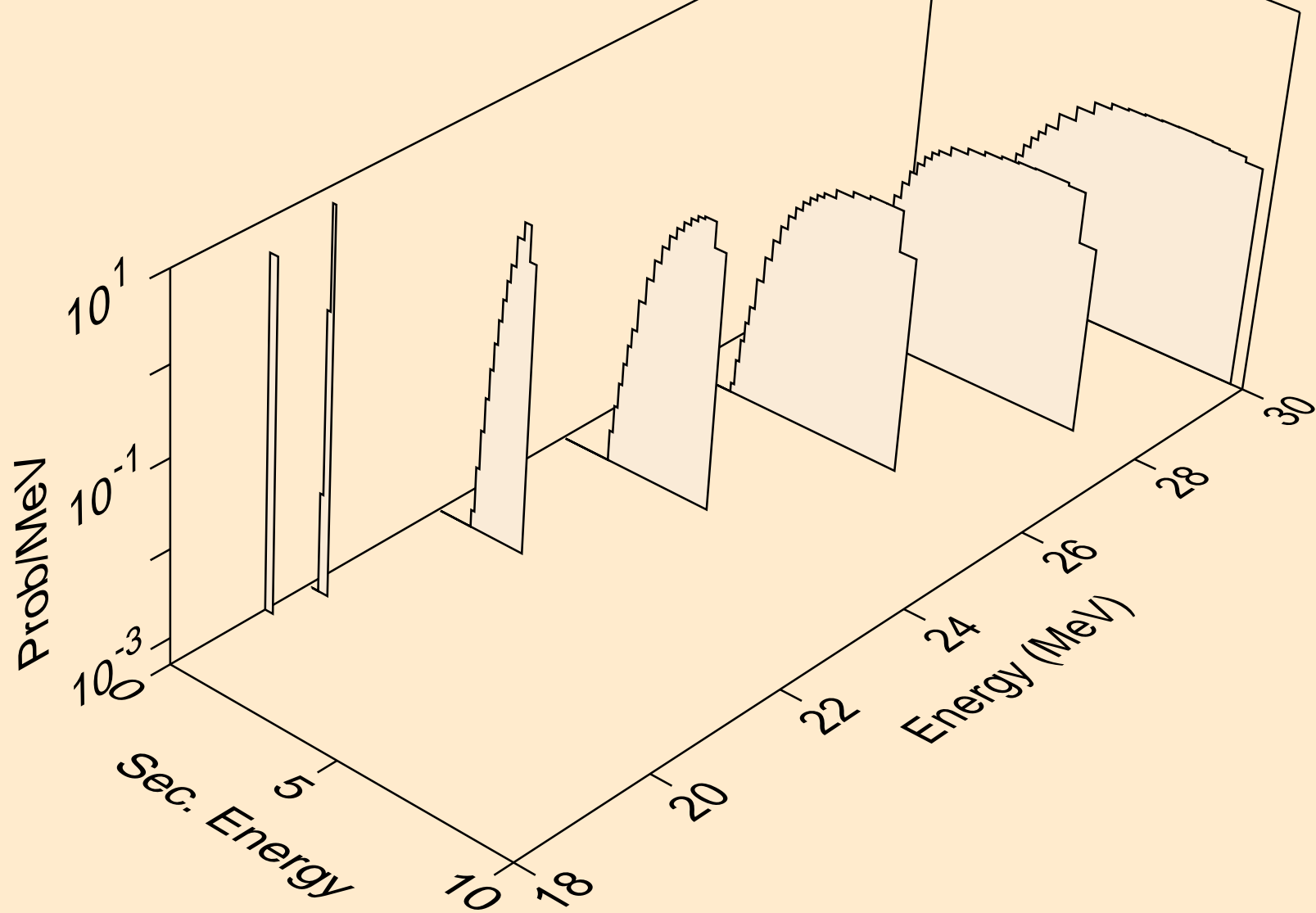
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deuterons from (n,d)



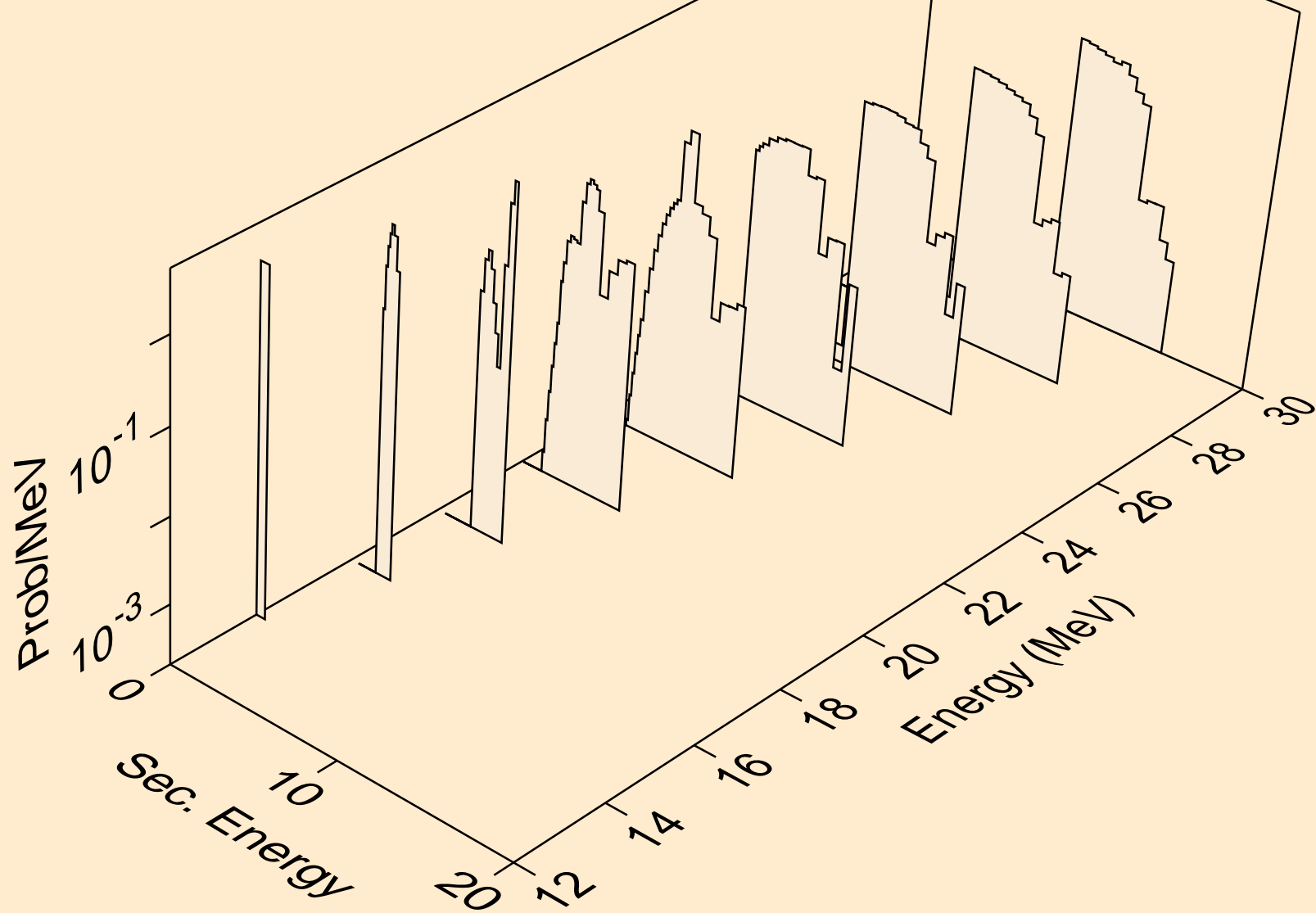
CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
tritons from (n,x)



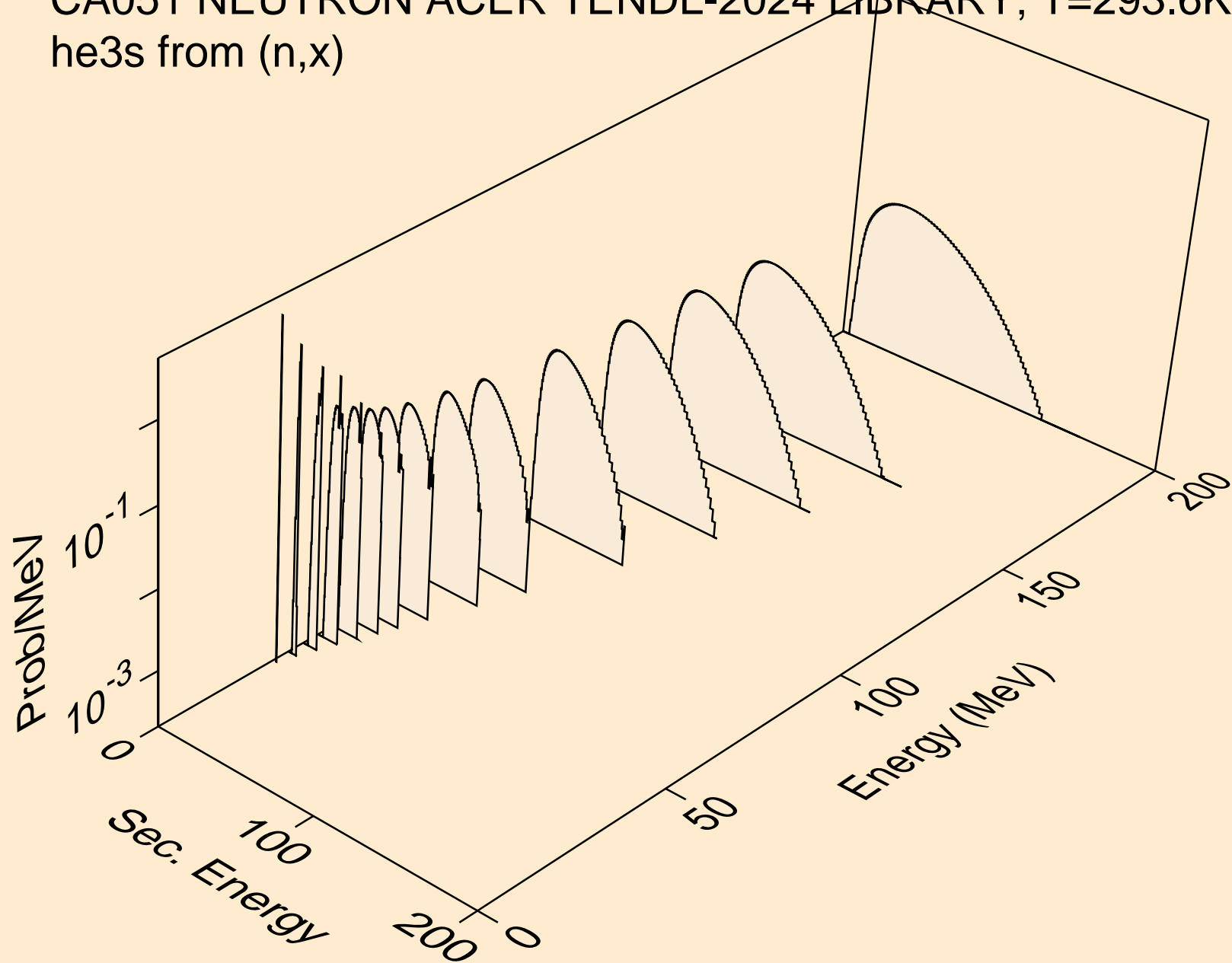
CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
tritons from (n,n\*)t



CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
tritons from (n,t)

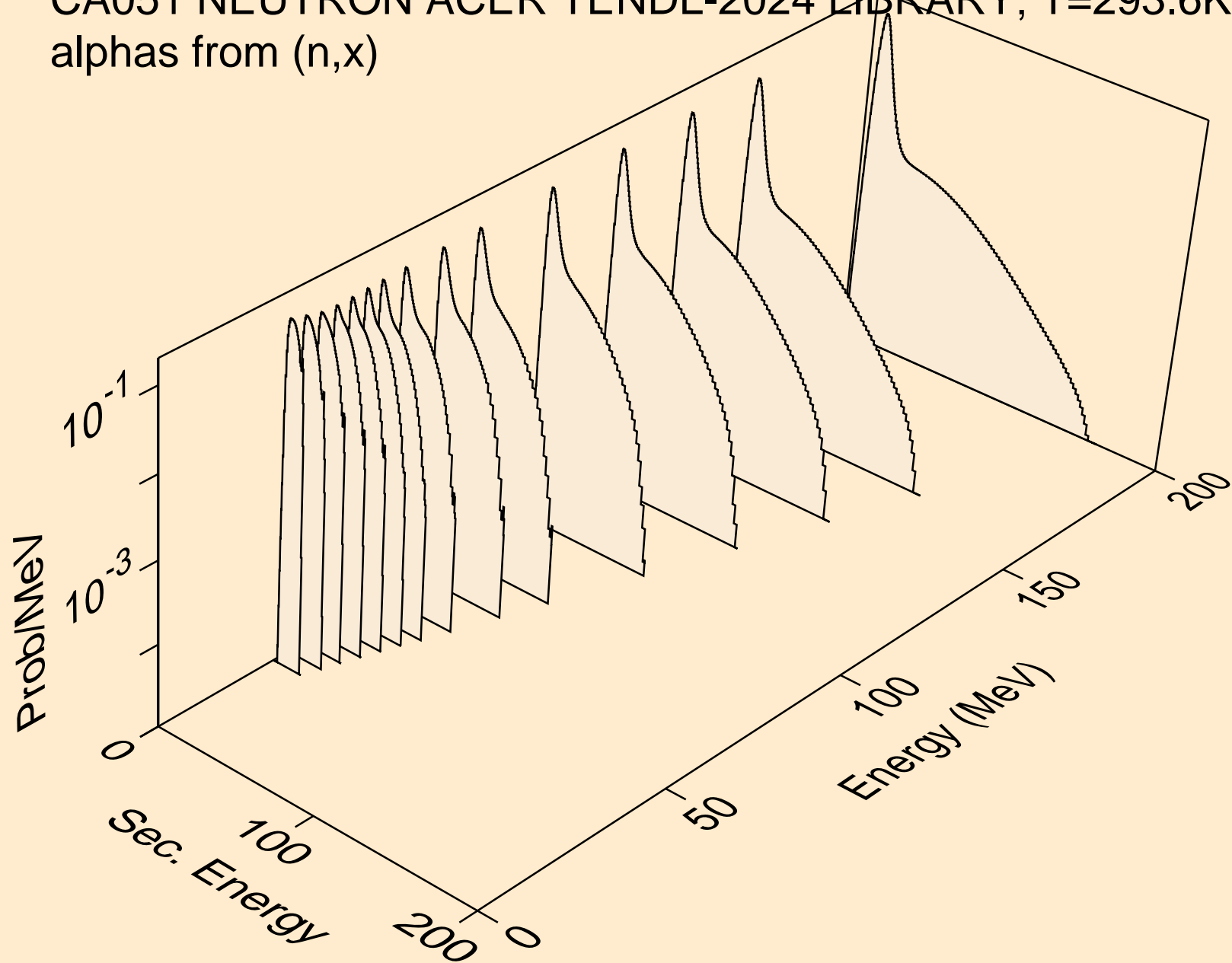


CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
he3s from (n,x)

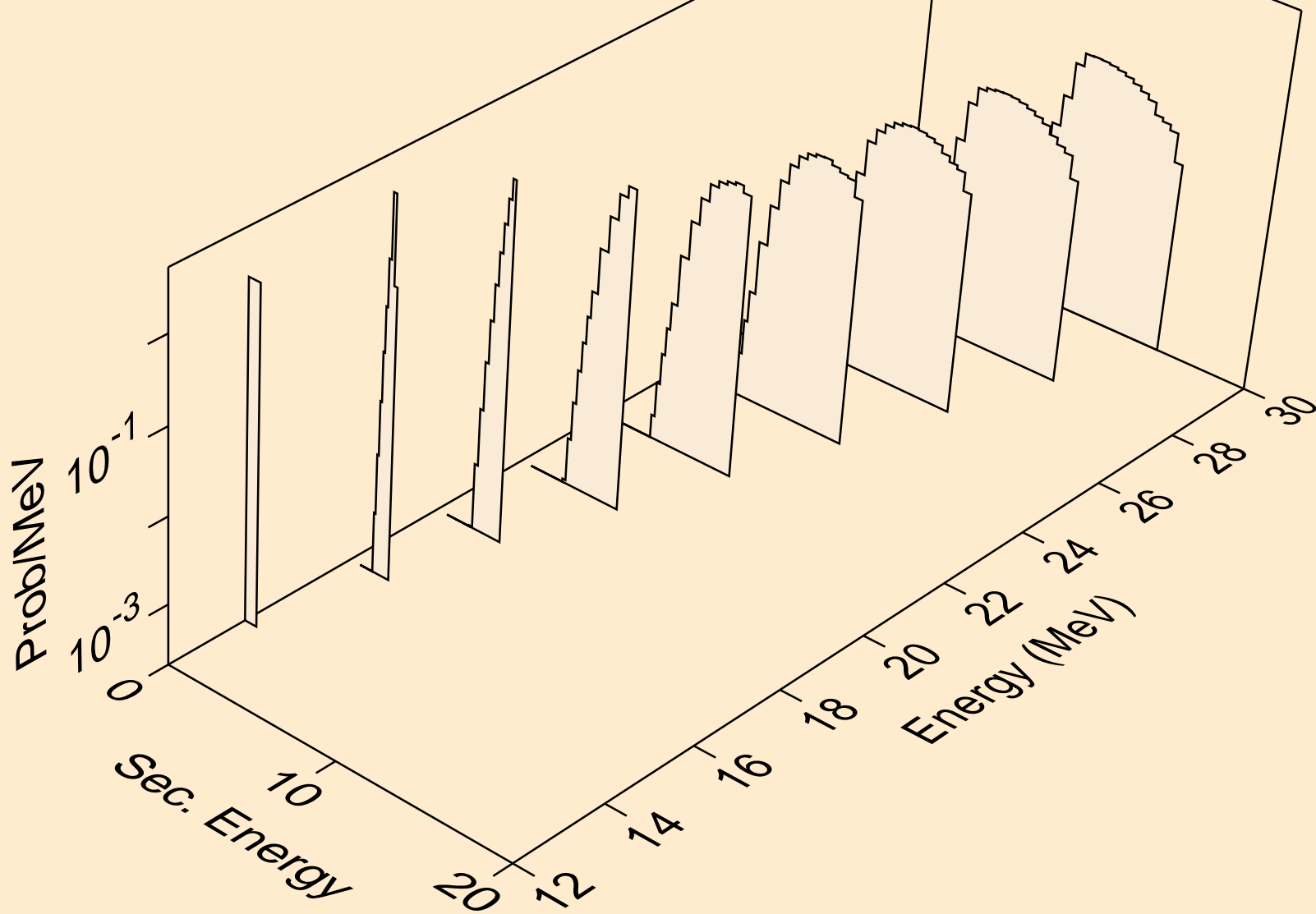




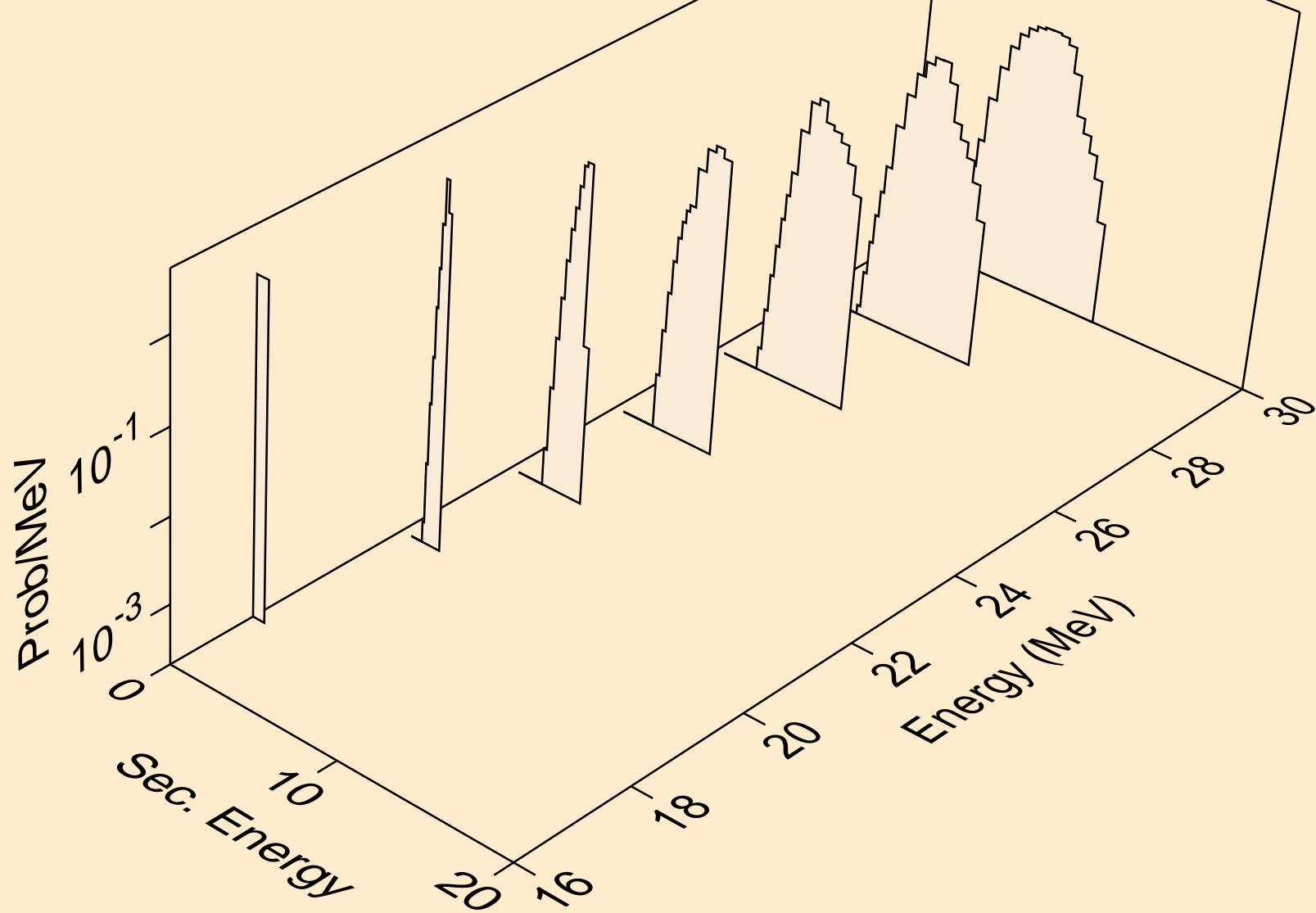
CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,x)



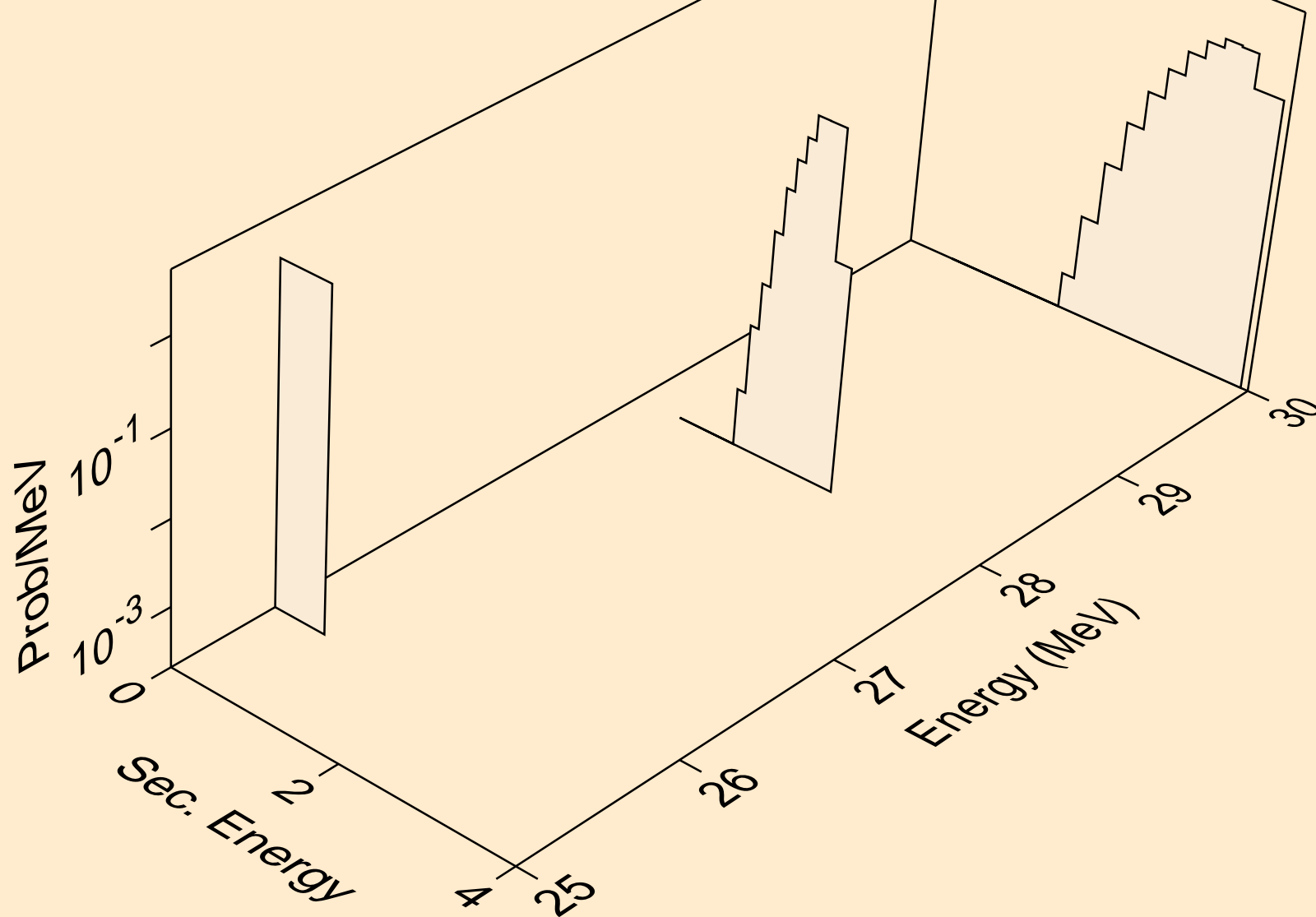
CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,n\*)a



CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,2n)a



CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,3n)a



CA051 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,a)

