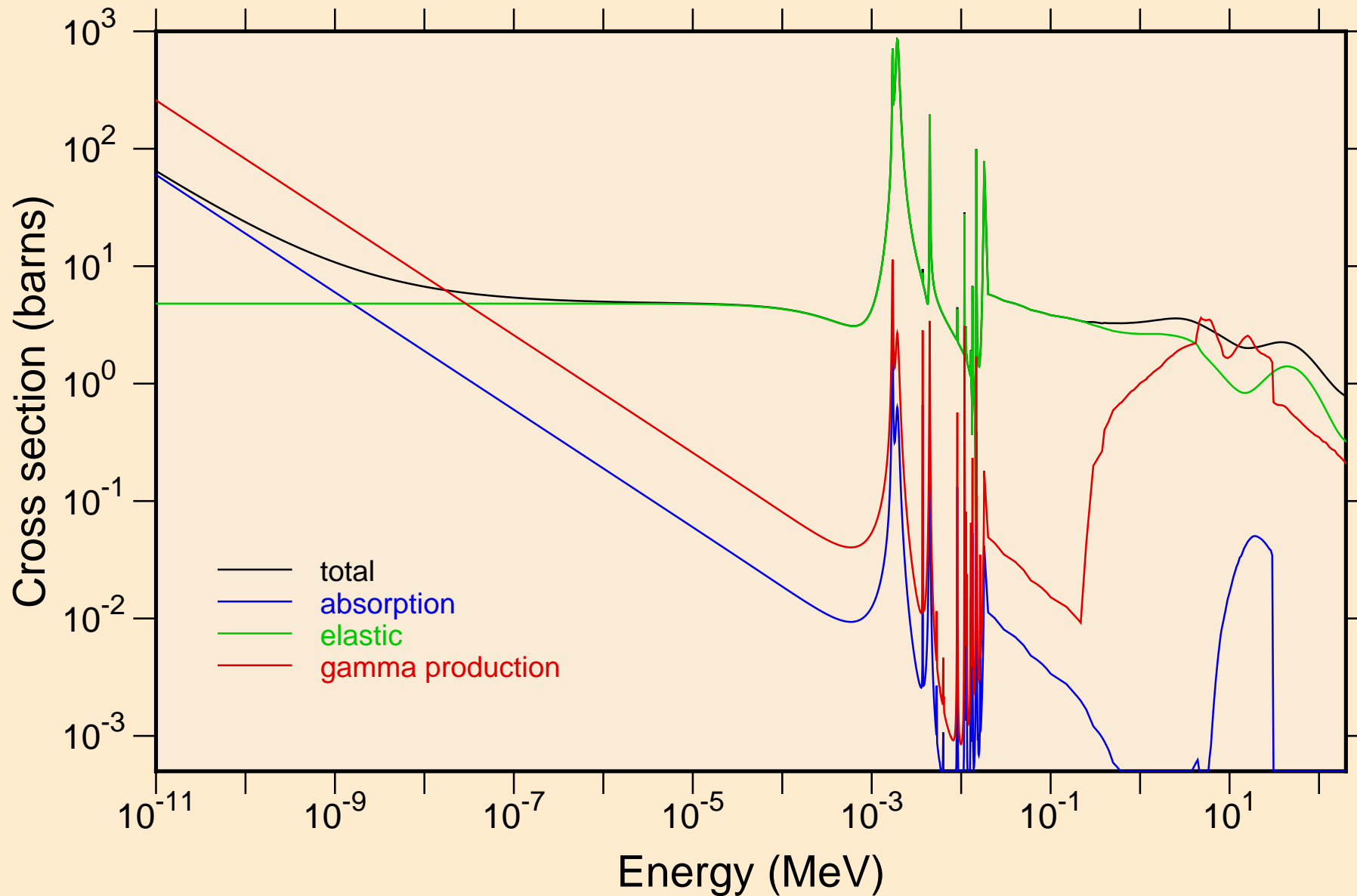
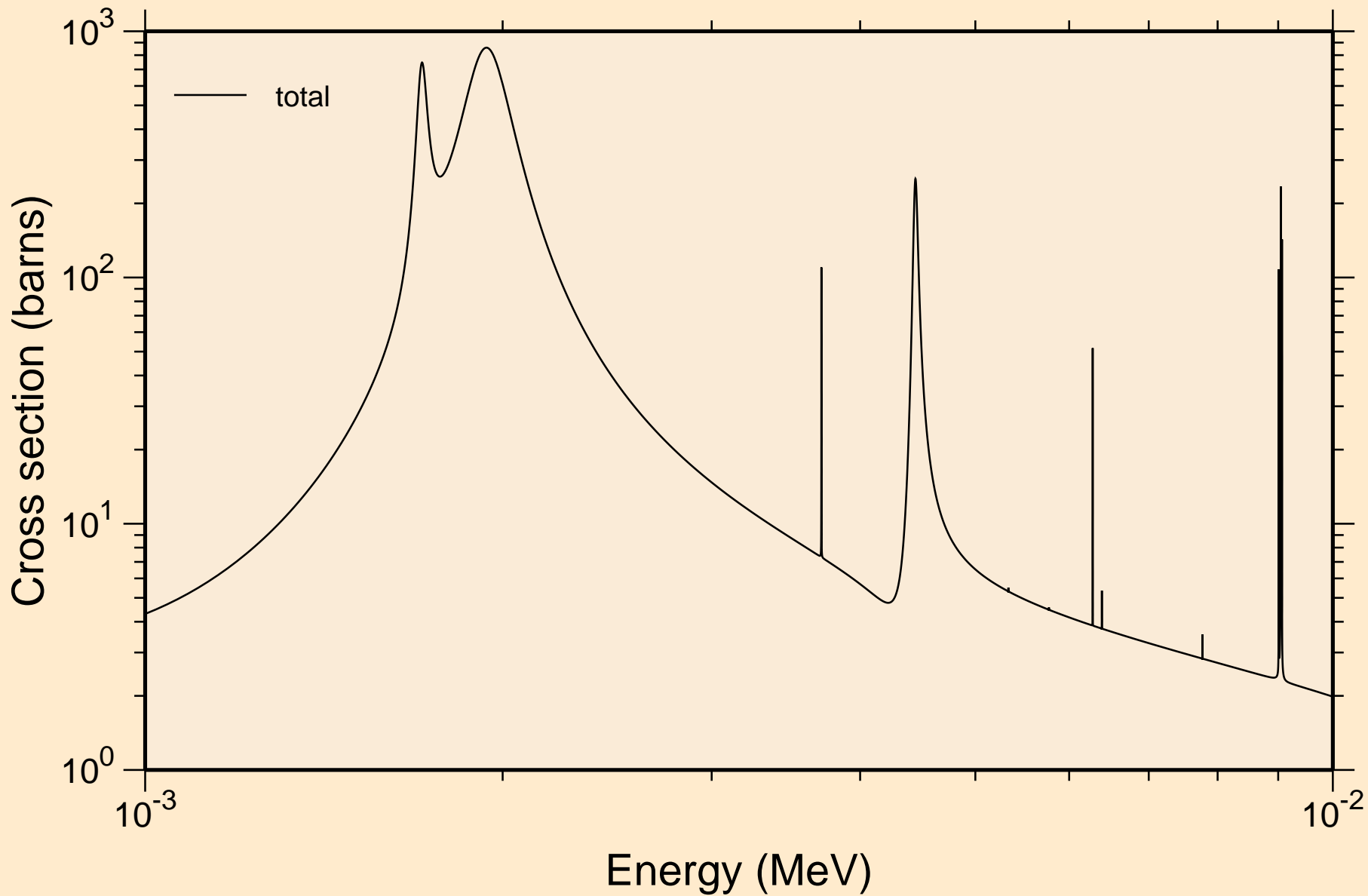


# CL040 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

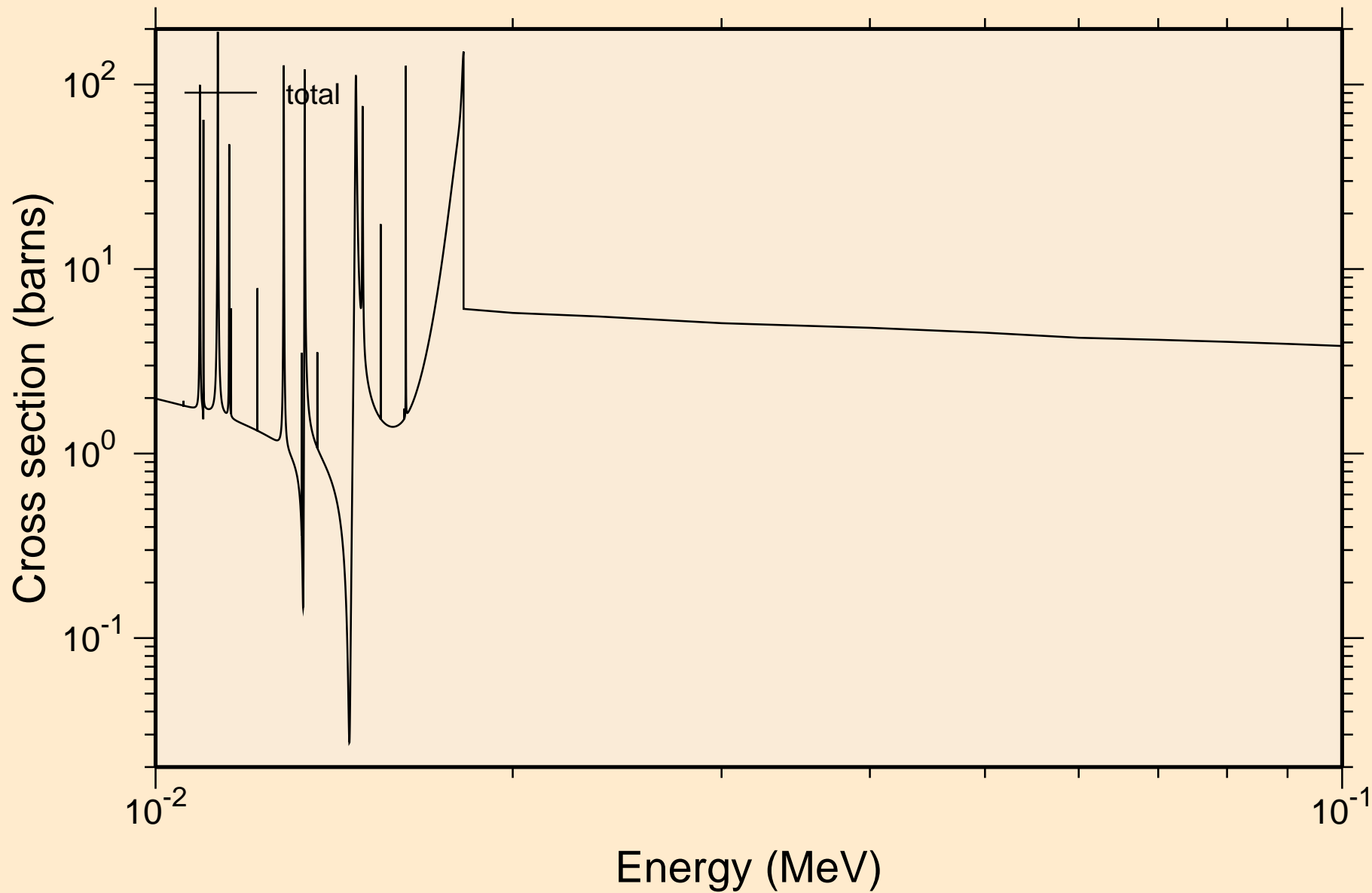
## Principal cross sections



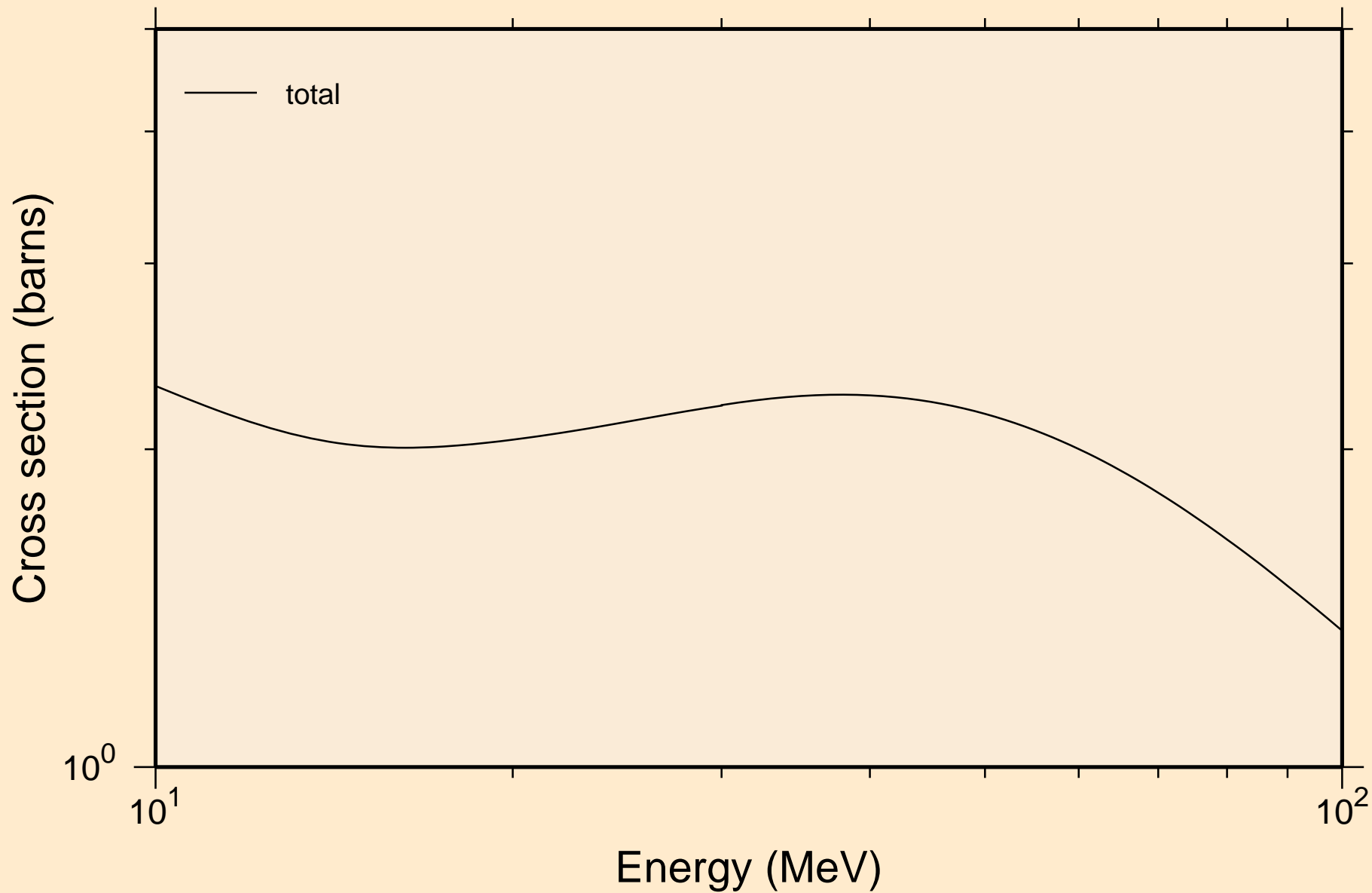
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resonance total cross section



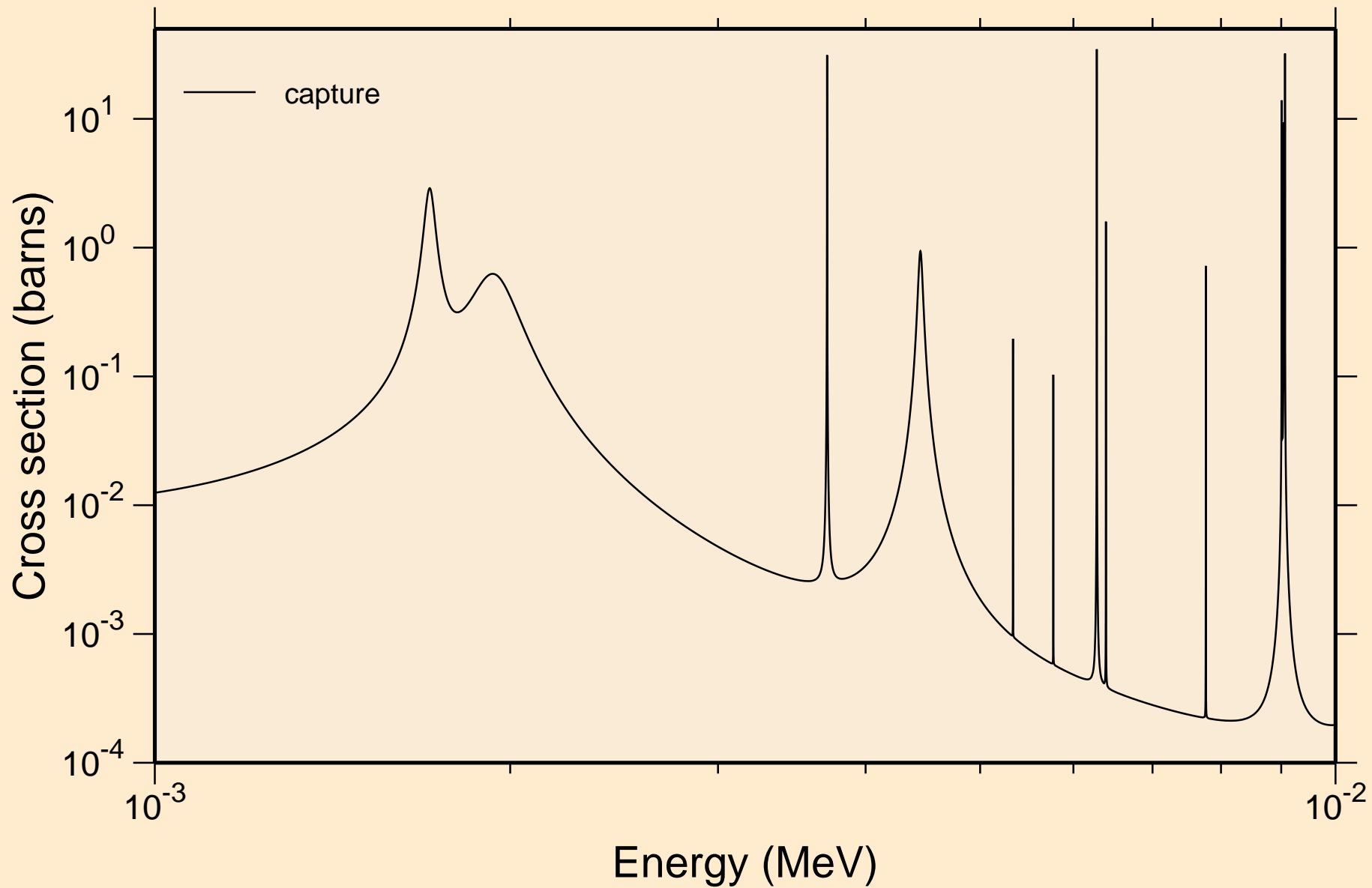
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resonance total cross section



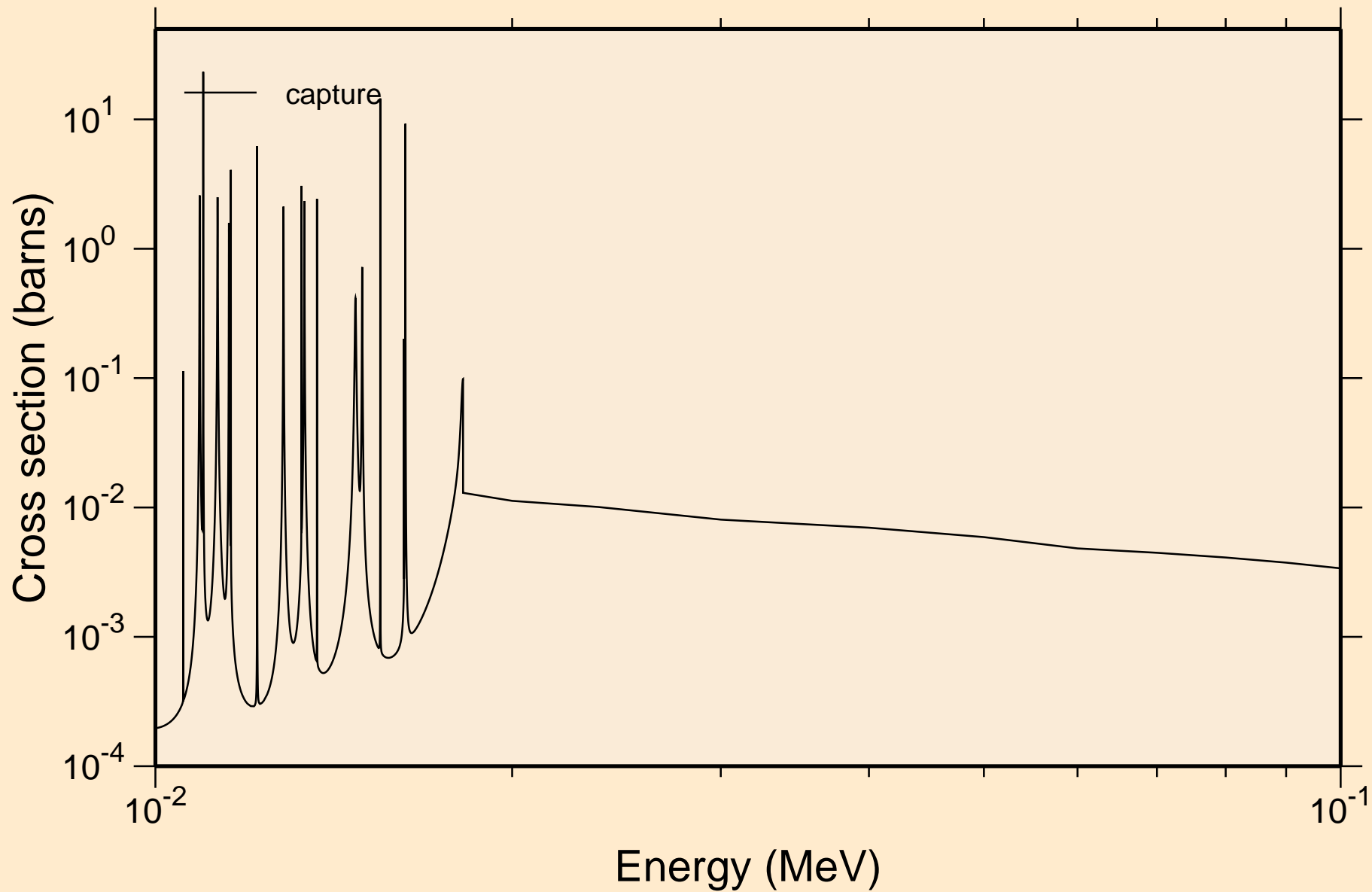
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resonance total cross section



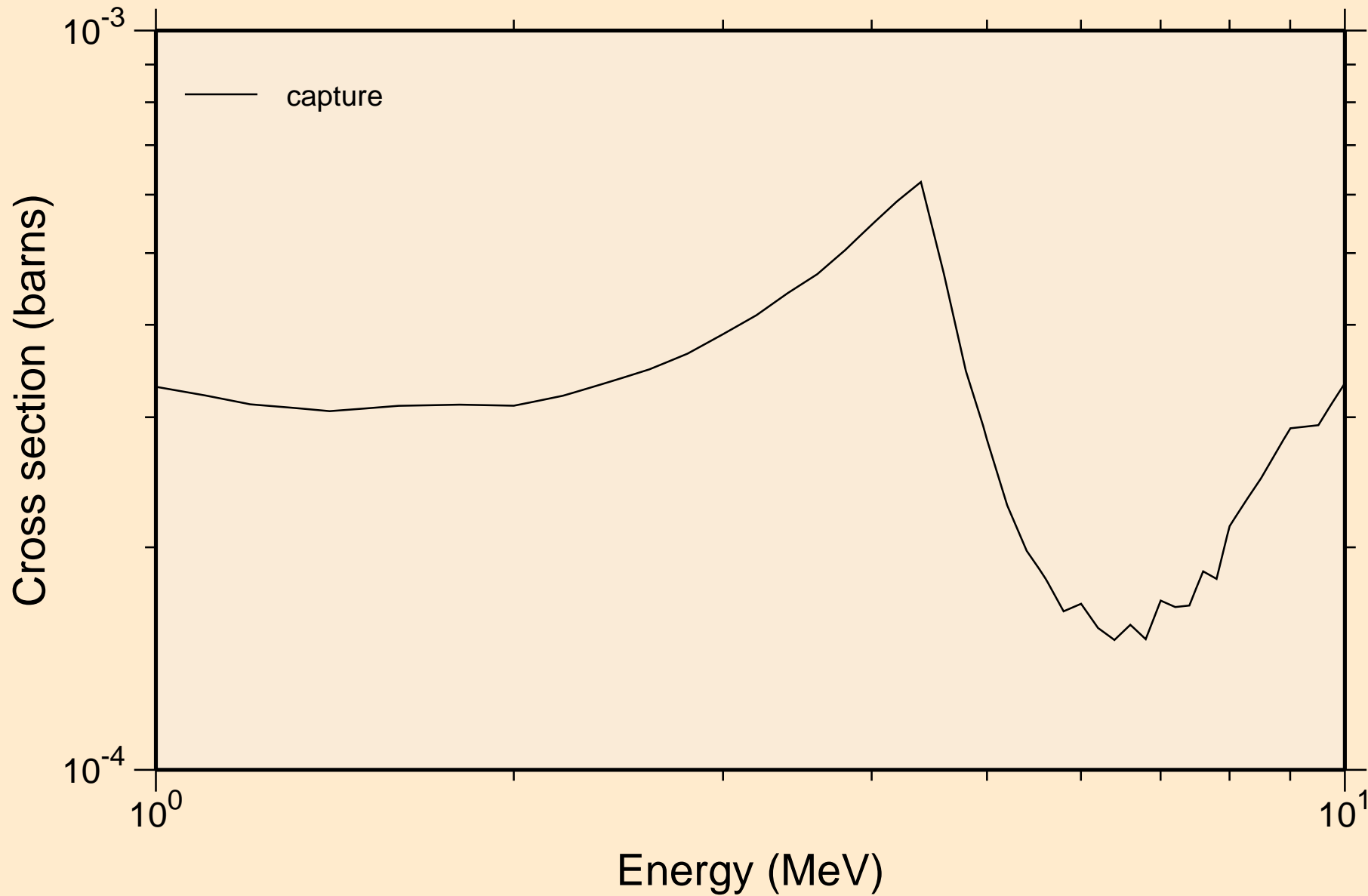
CL040 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



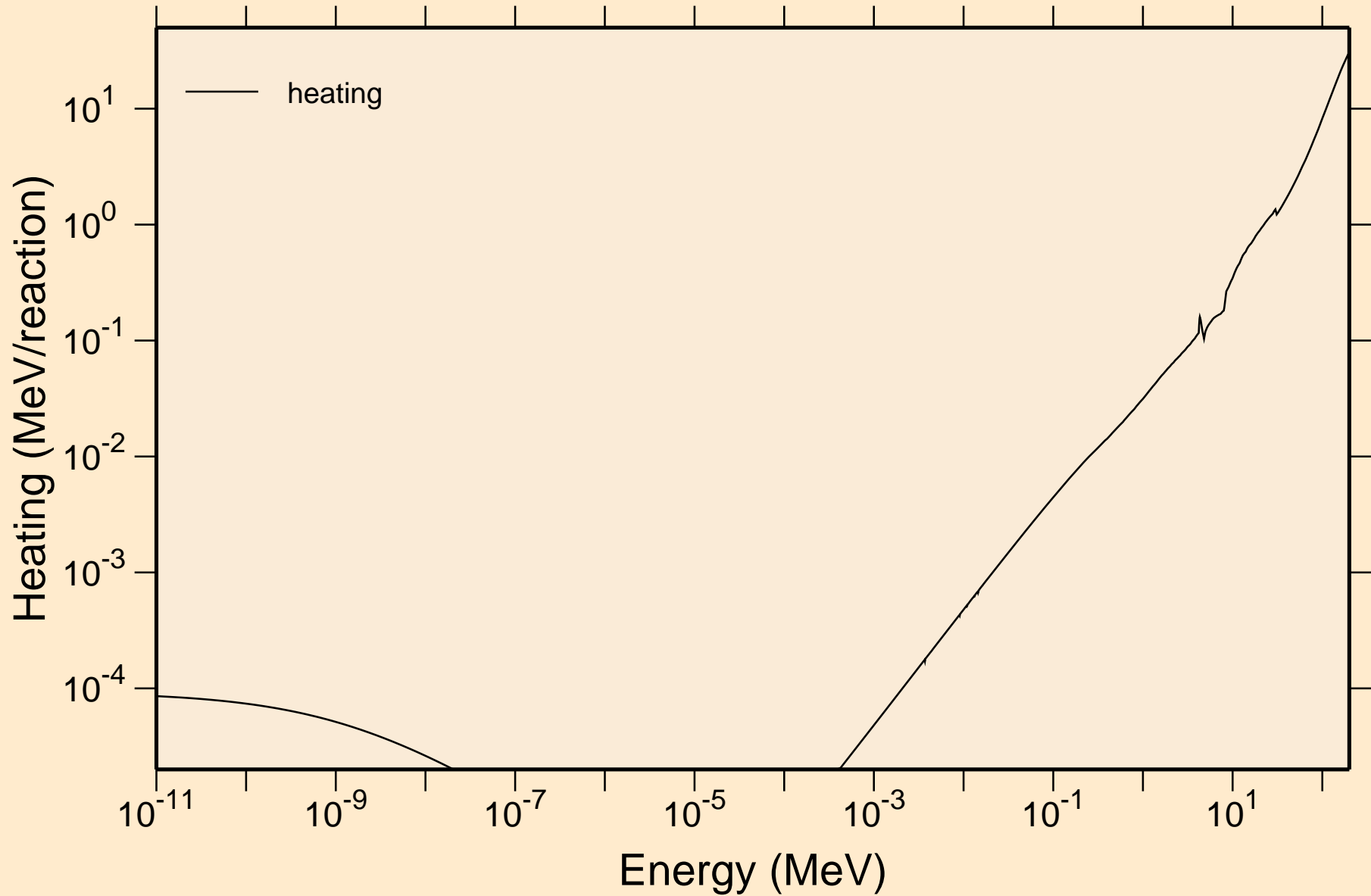
CL040 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



CL040 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



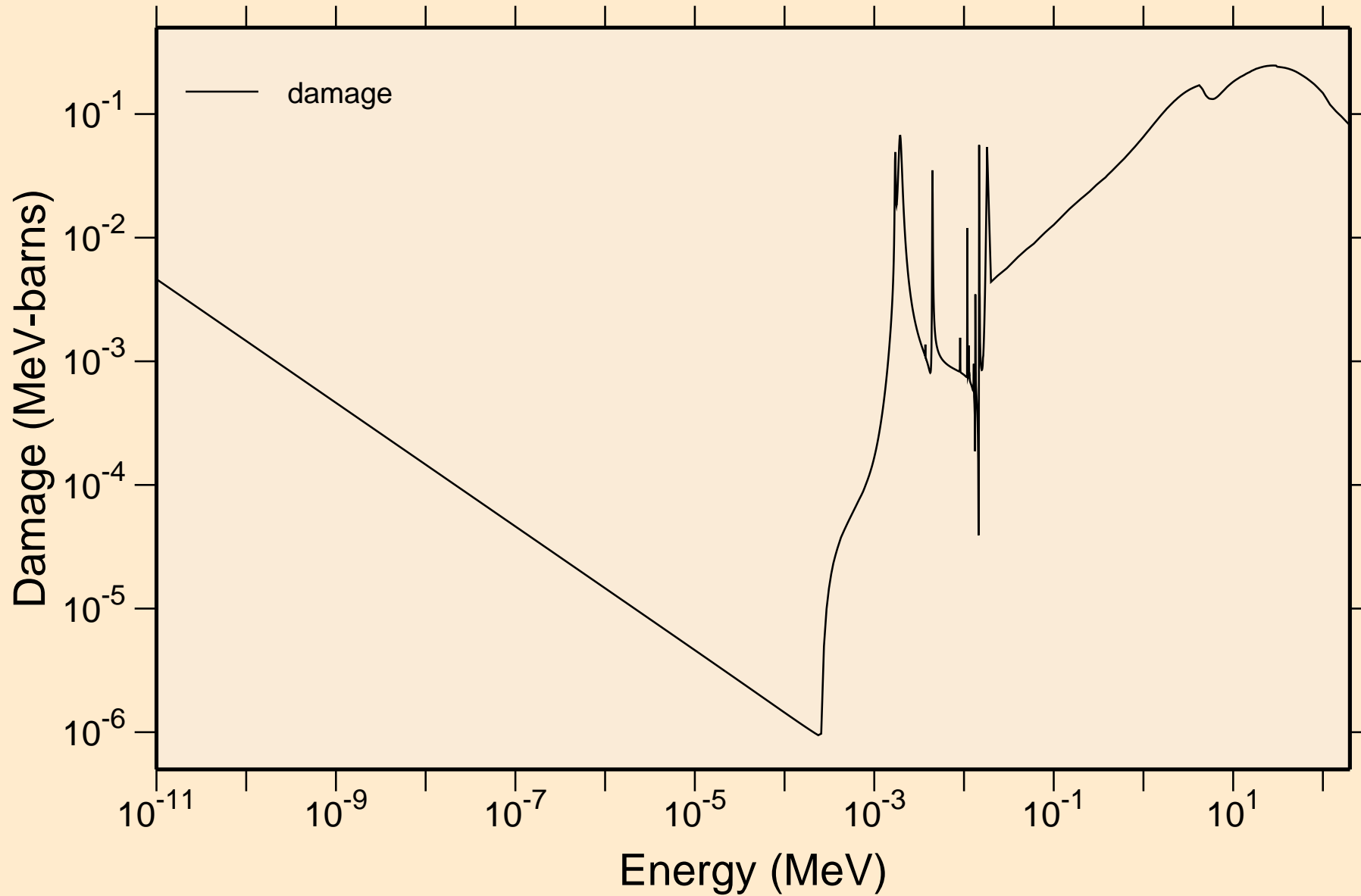
CL040 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Heating



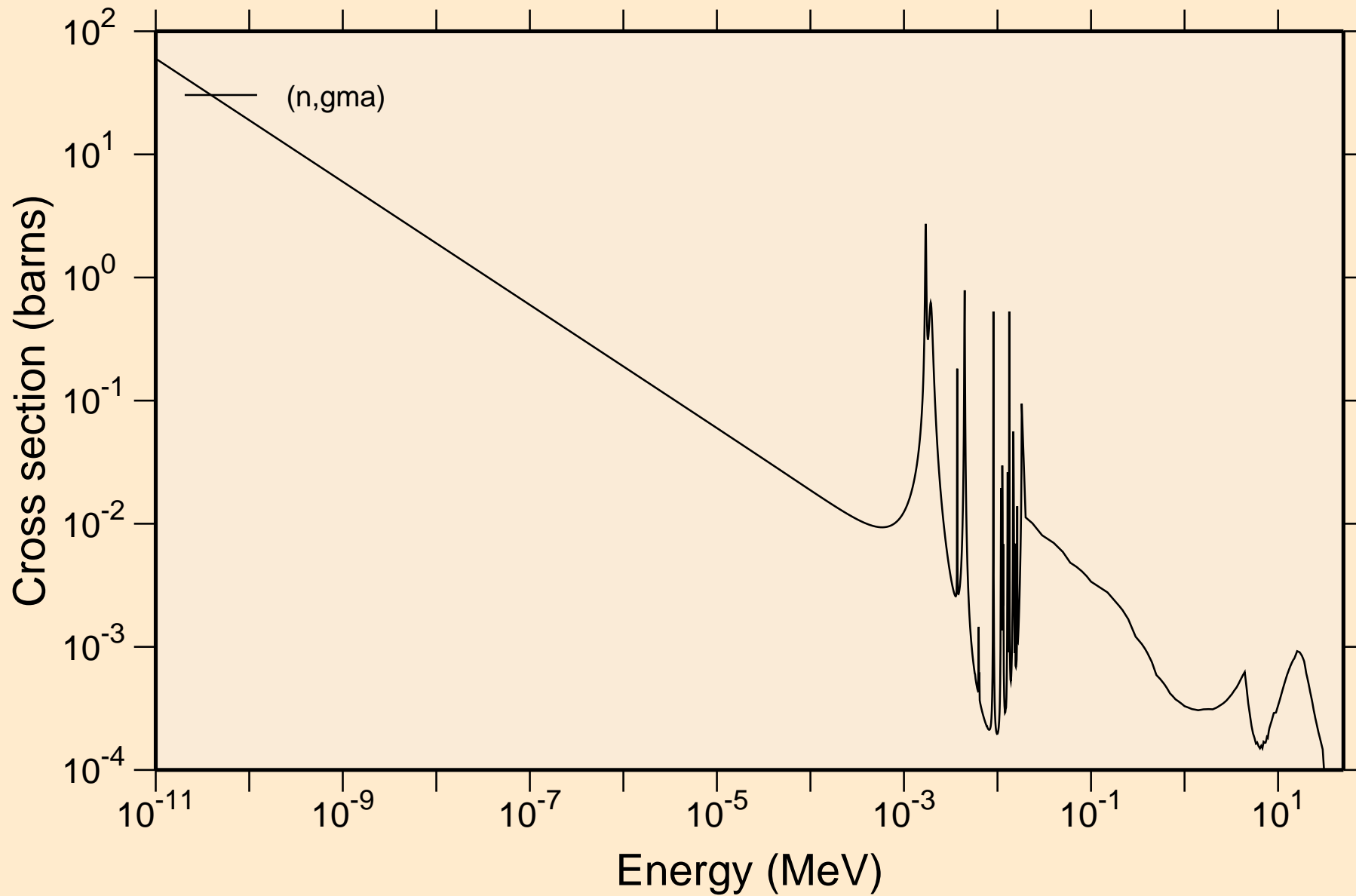


# CL040 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Damage

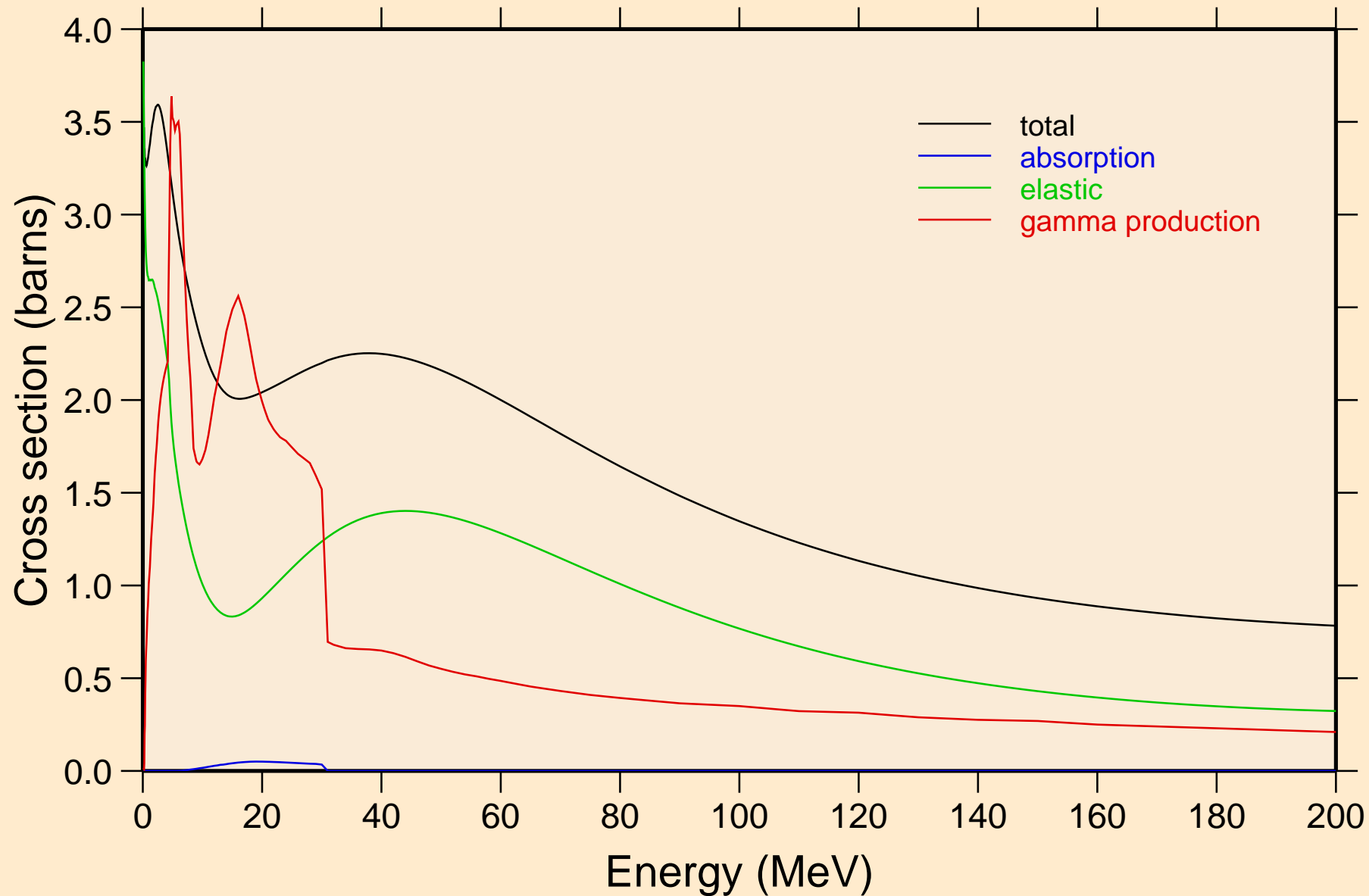


CL040 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



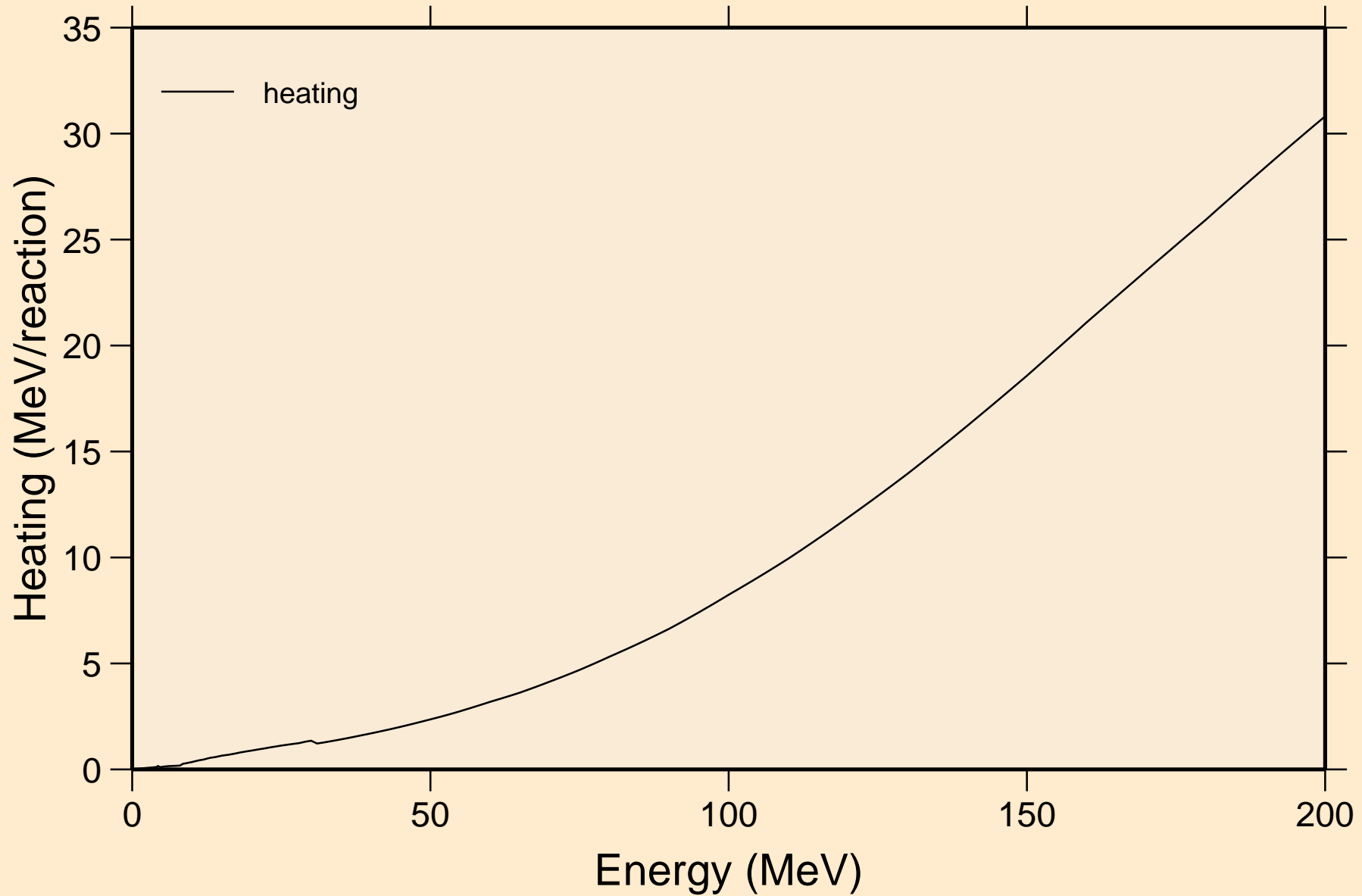
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## Principal cross sections



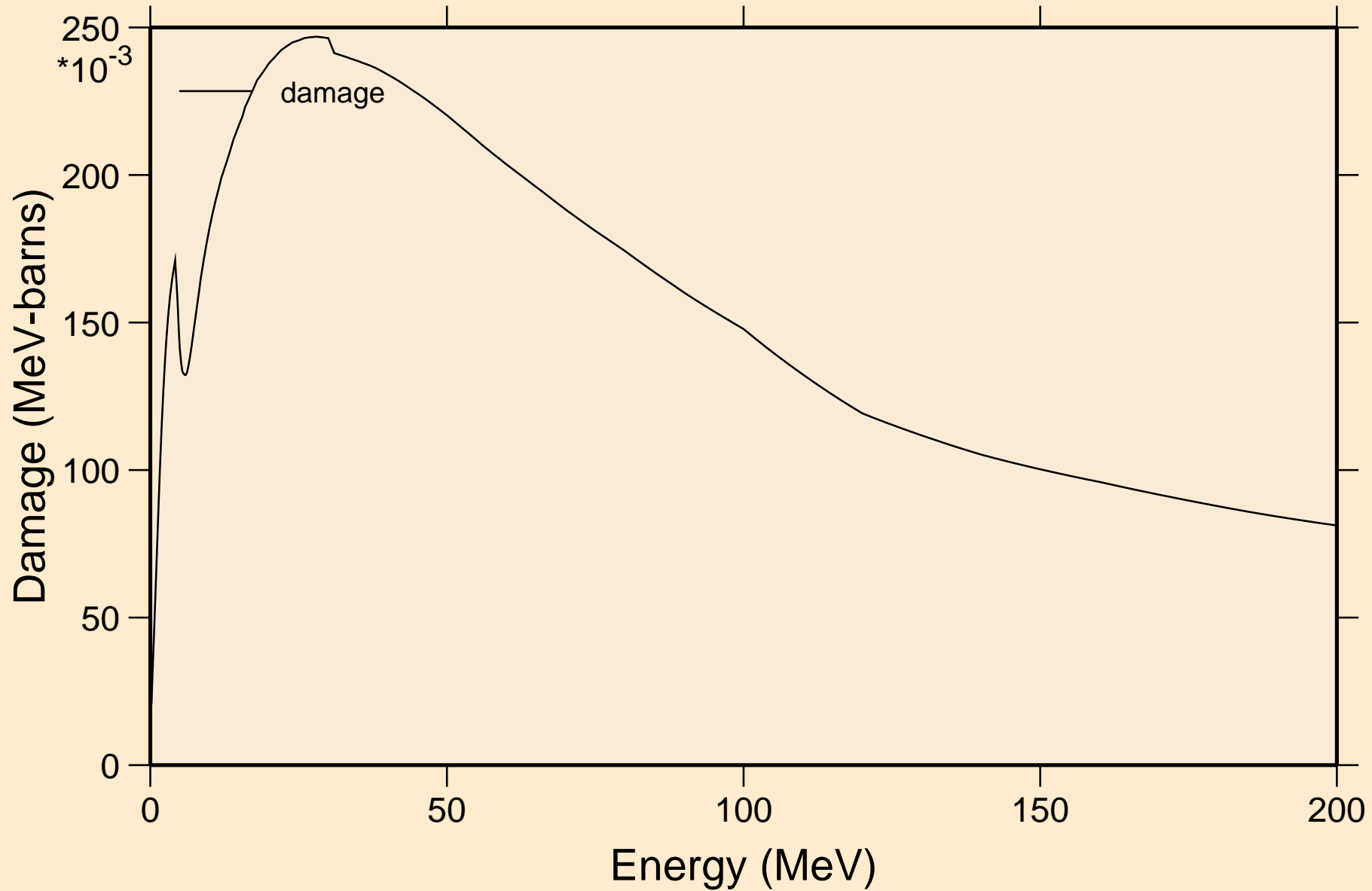
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## Heating

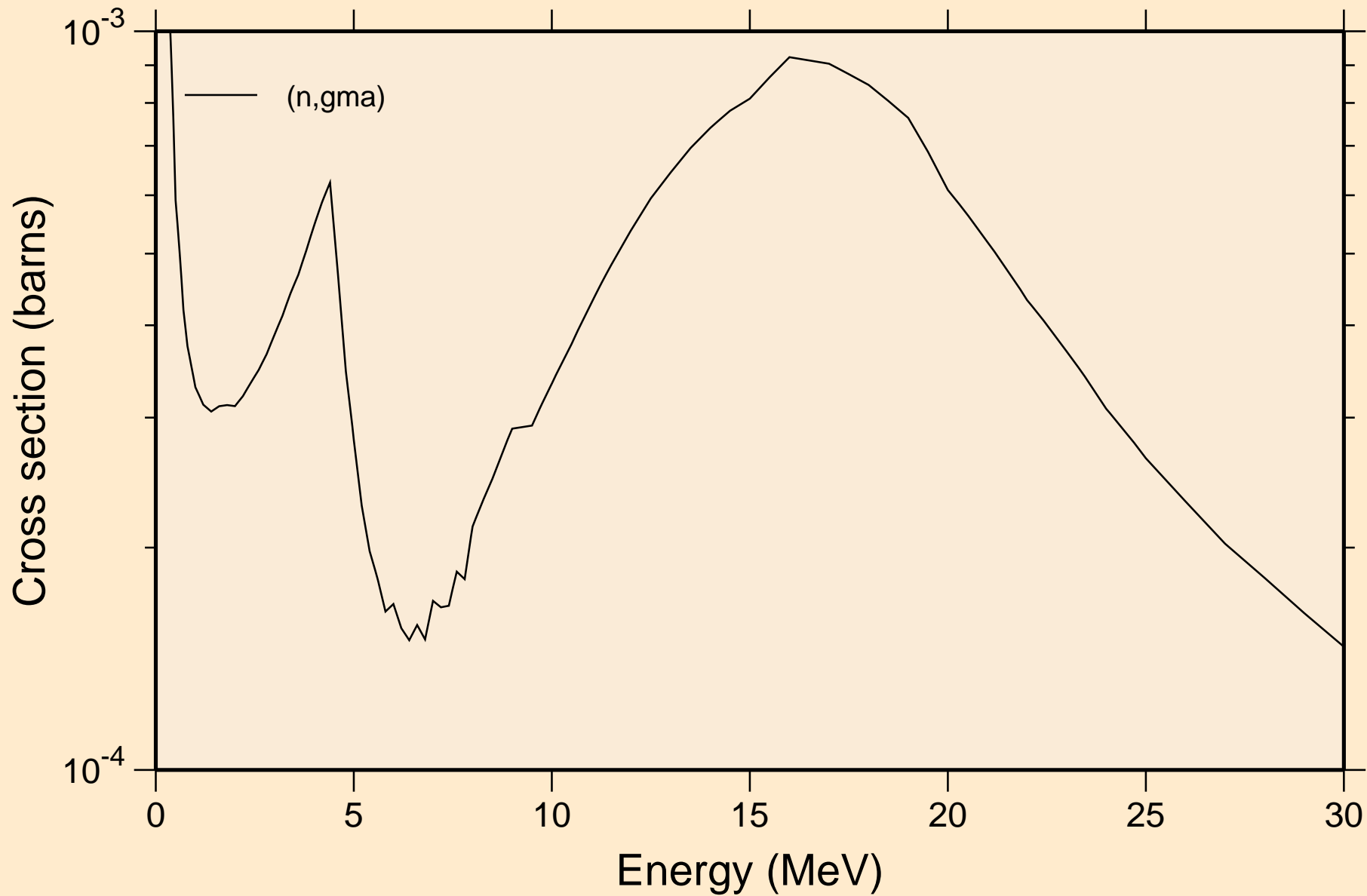


# CL040 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Damage

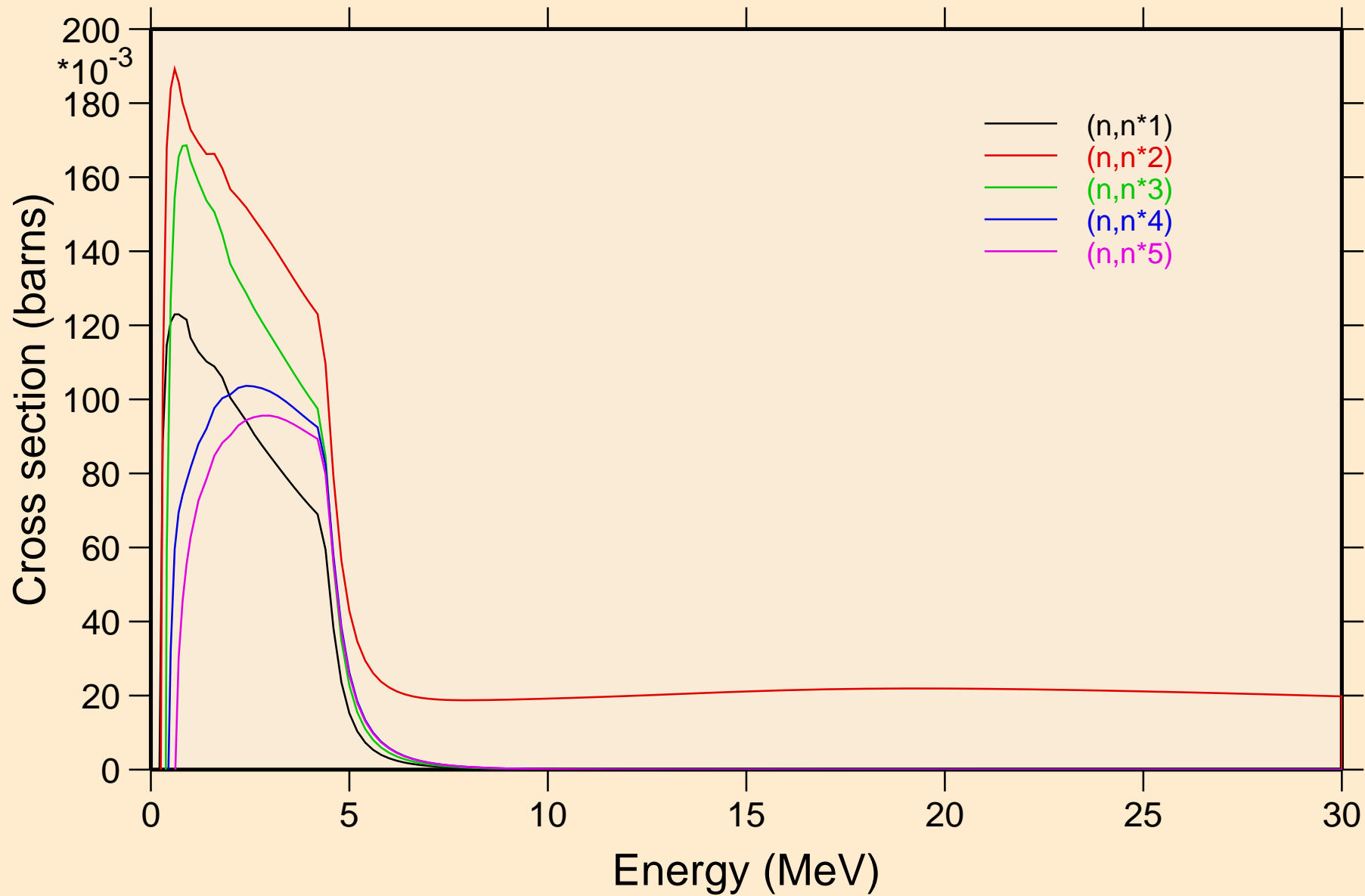


CL040 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



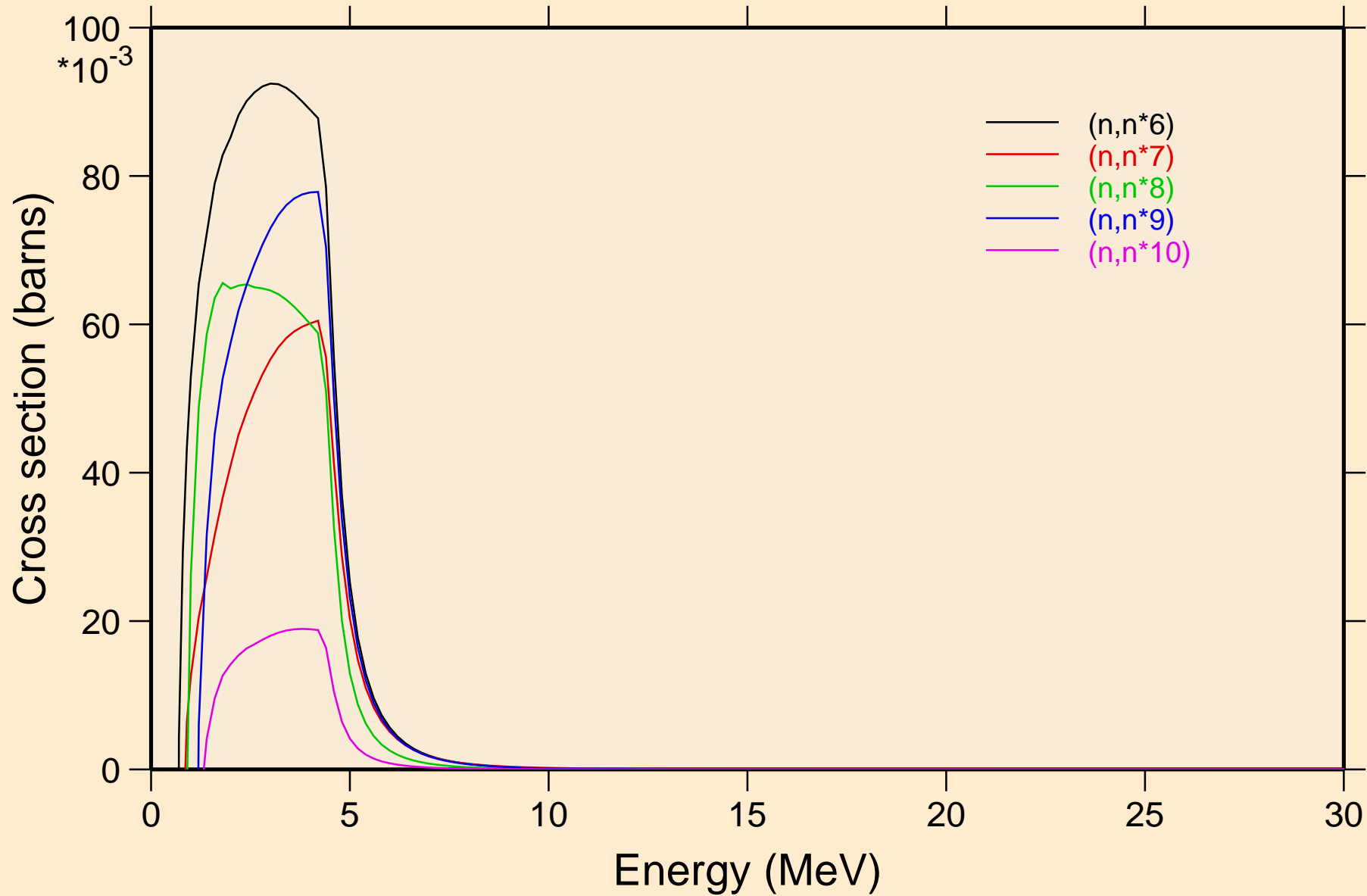
# CL040 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Inelastic levels



# CL040 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

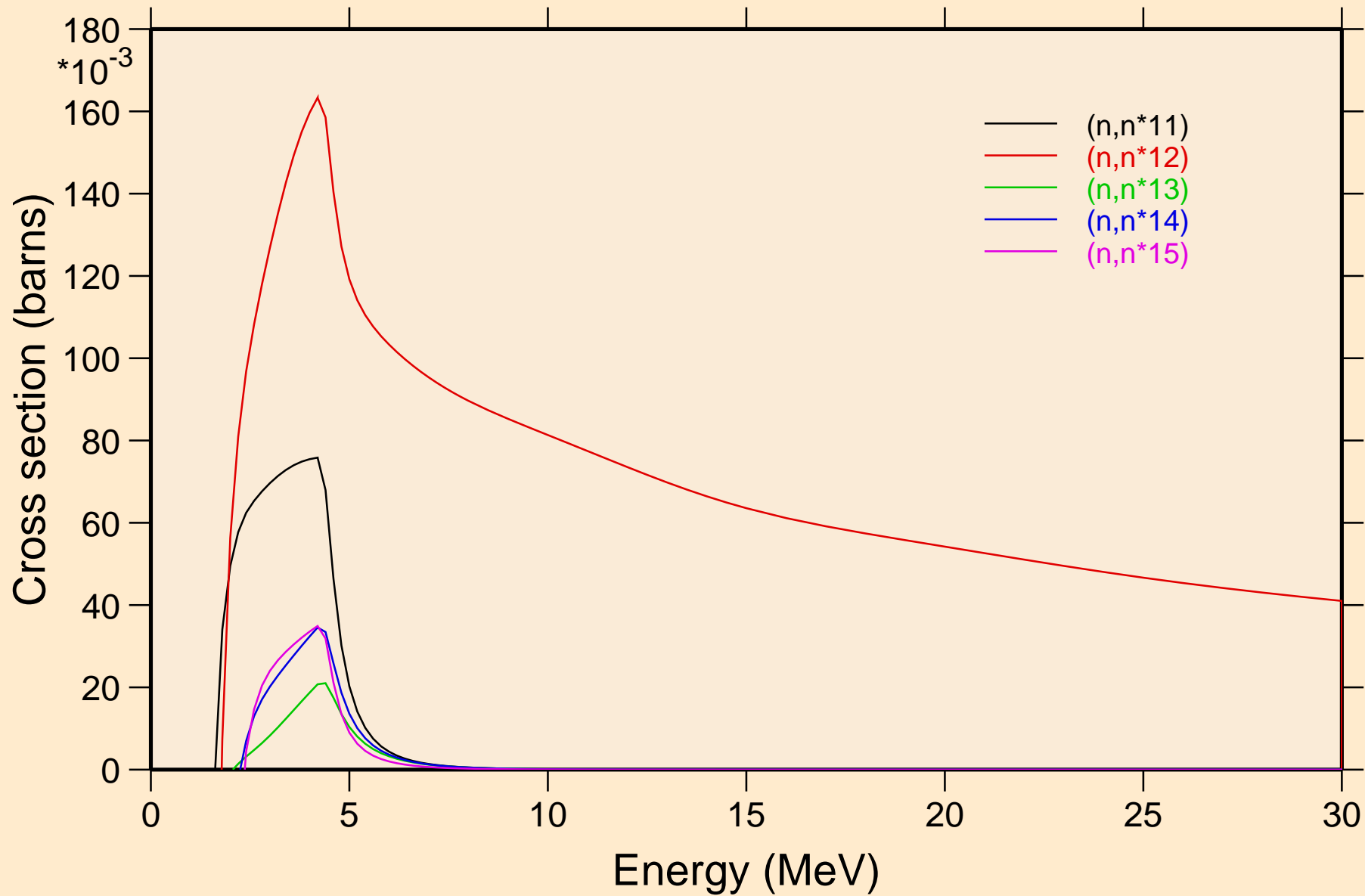
## Inelastic levels



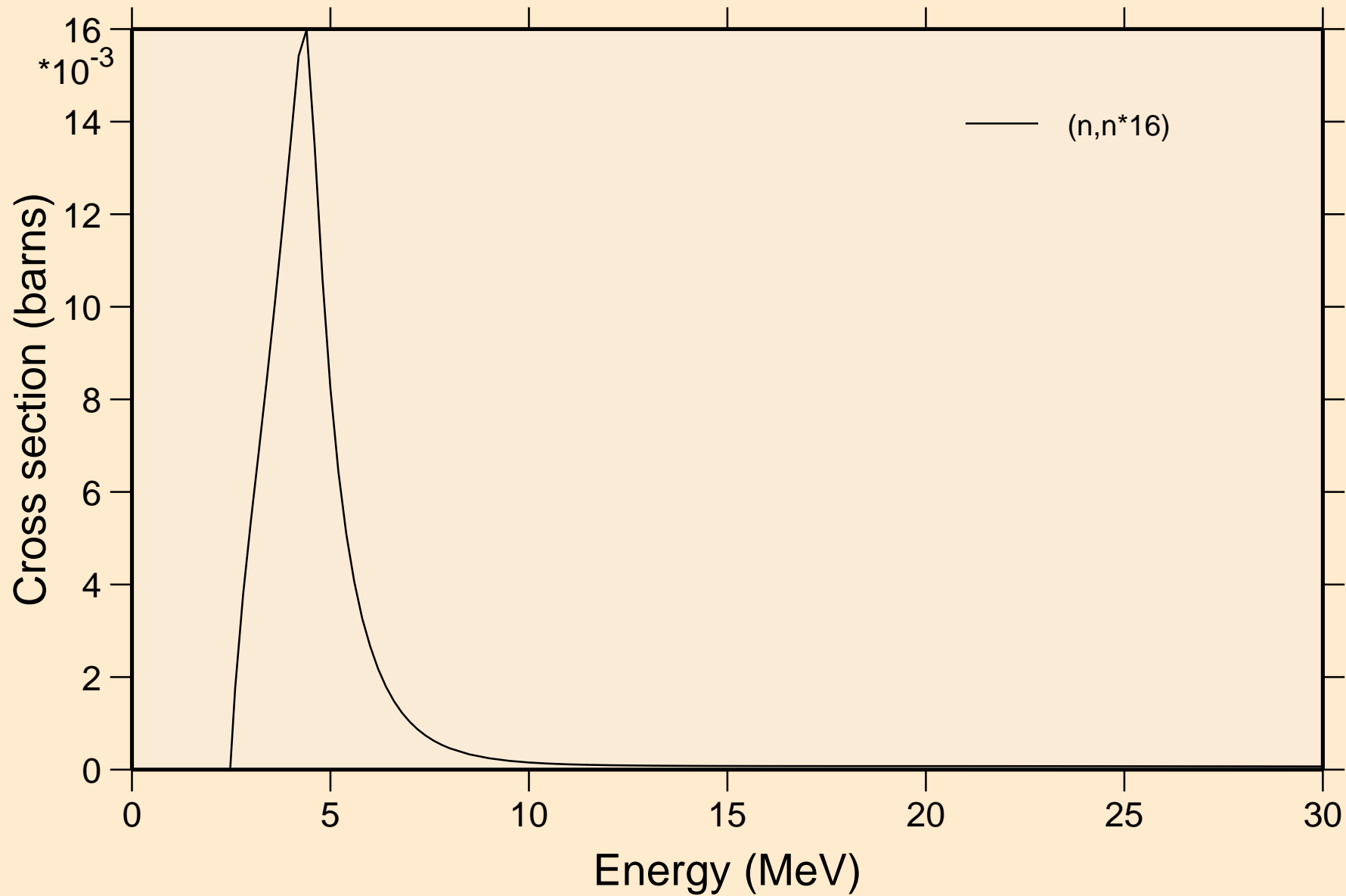


# CL040 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Inelastic levels

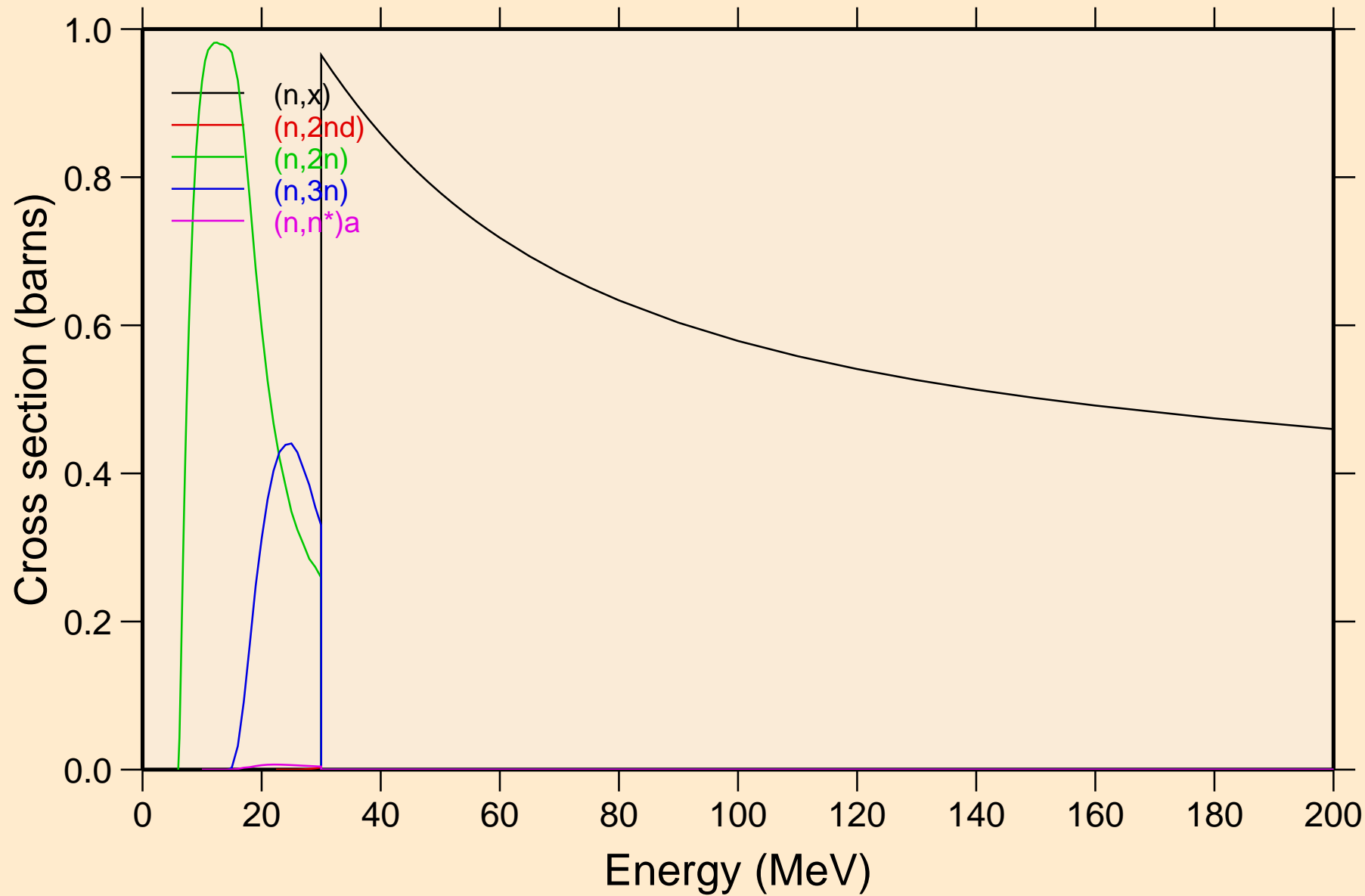


CL040 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



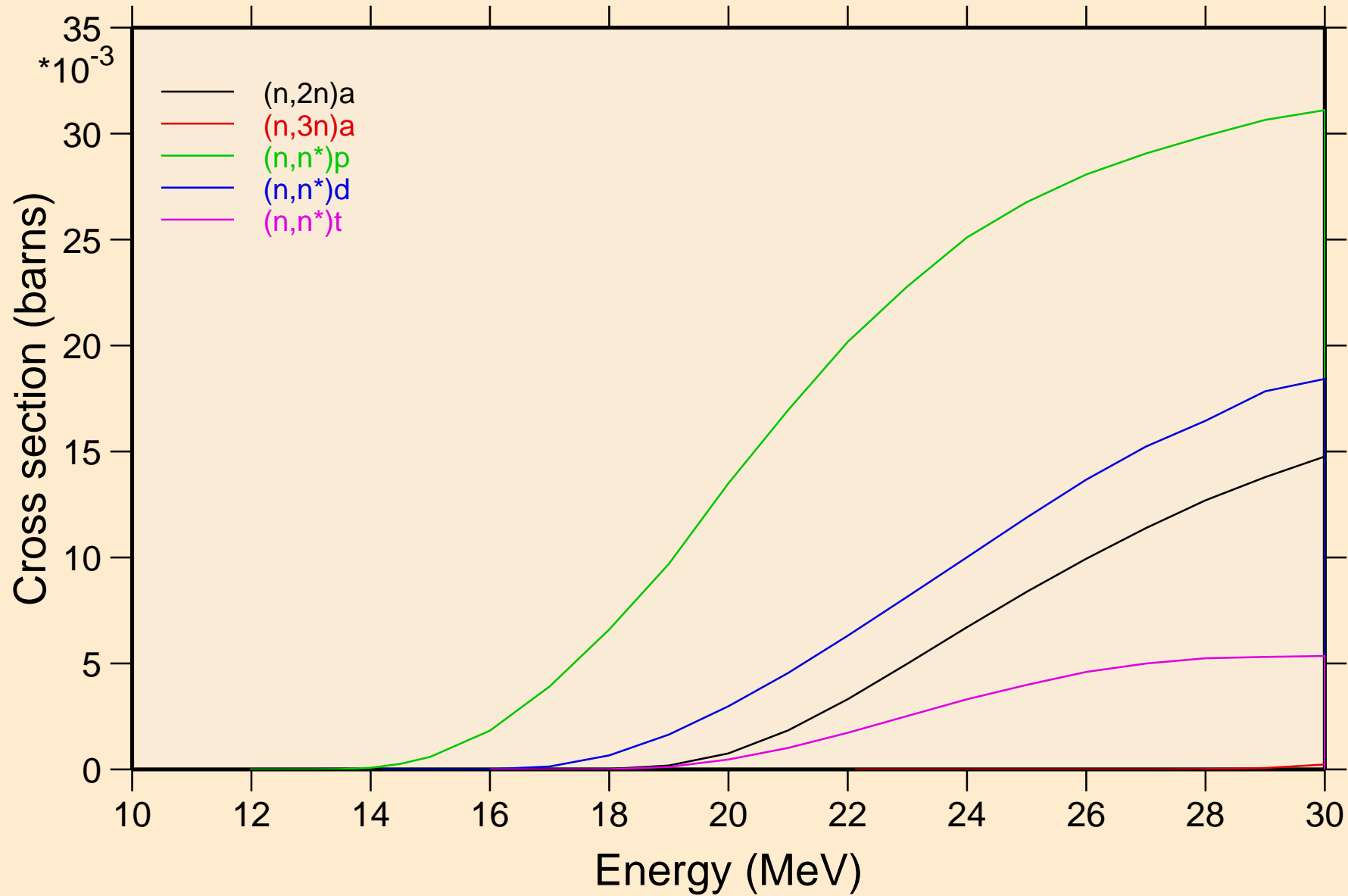
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## Threshold reactions



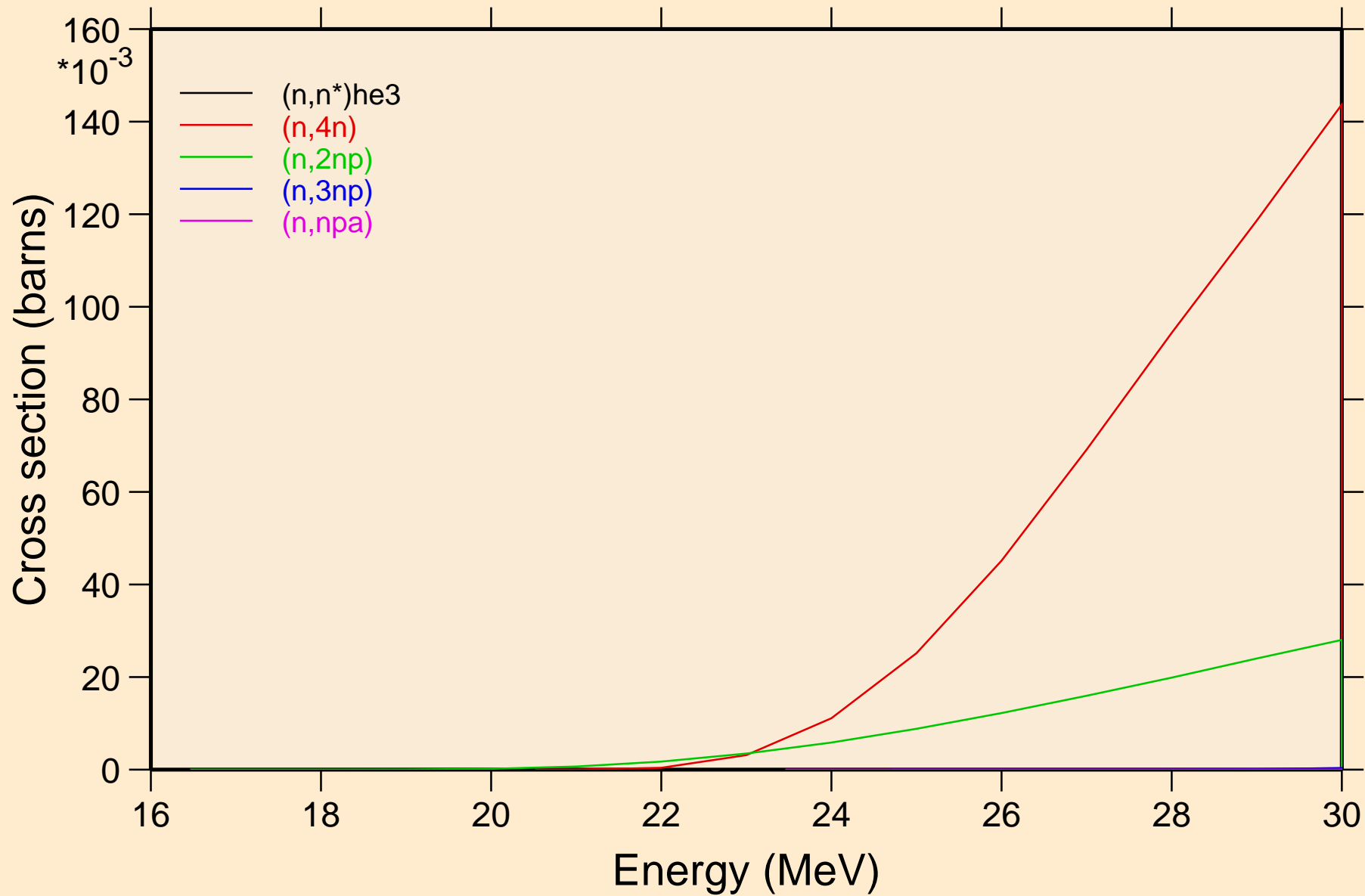
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## Threshold reactions

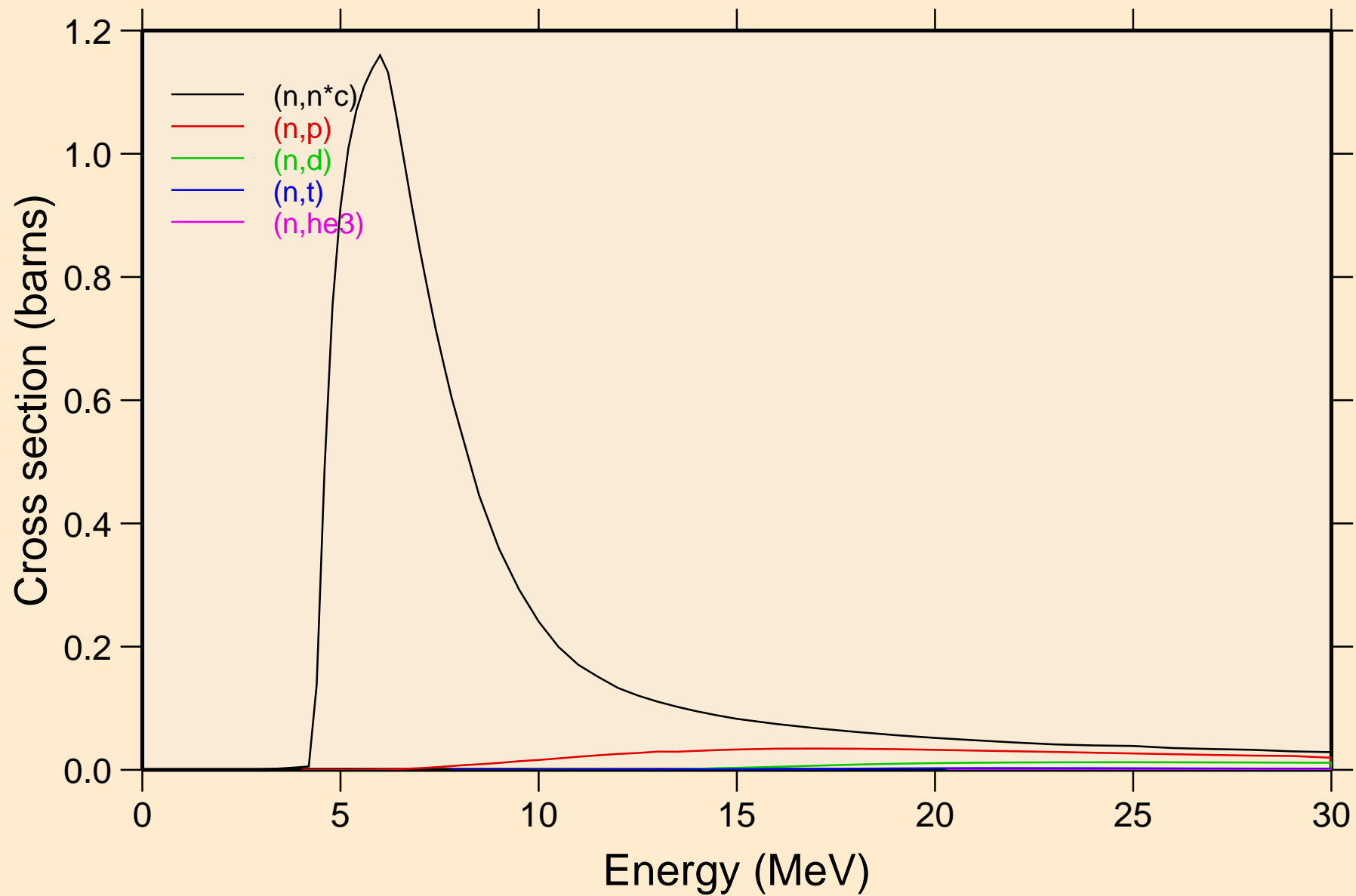


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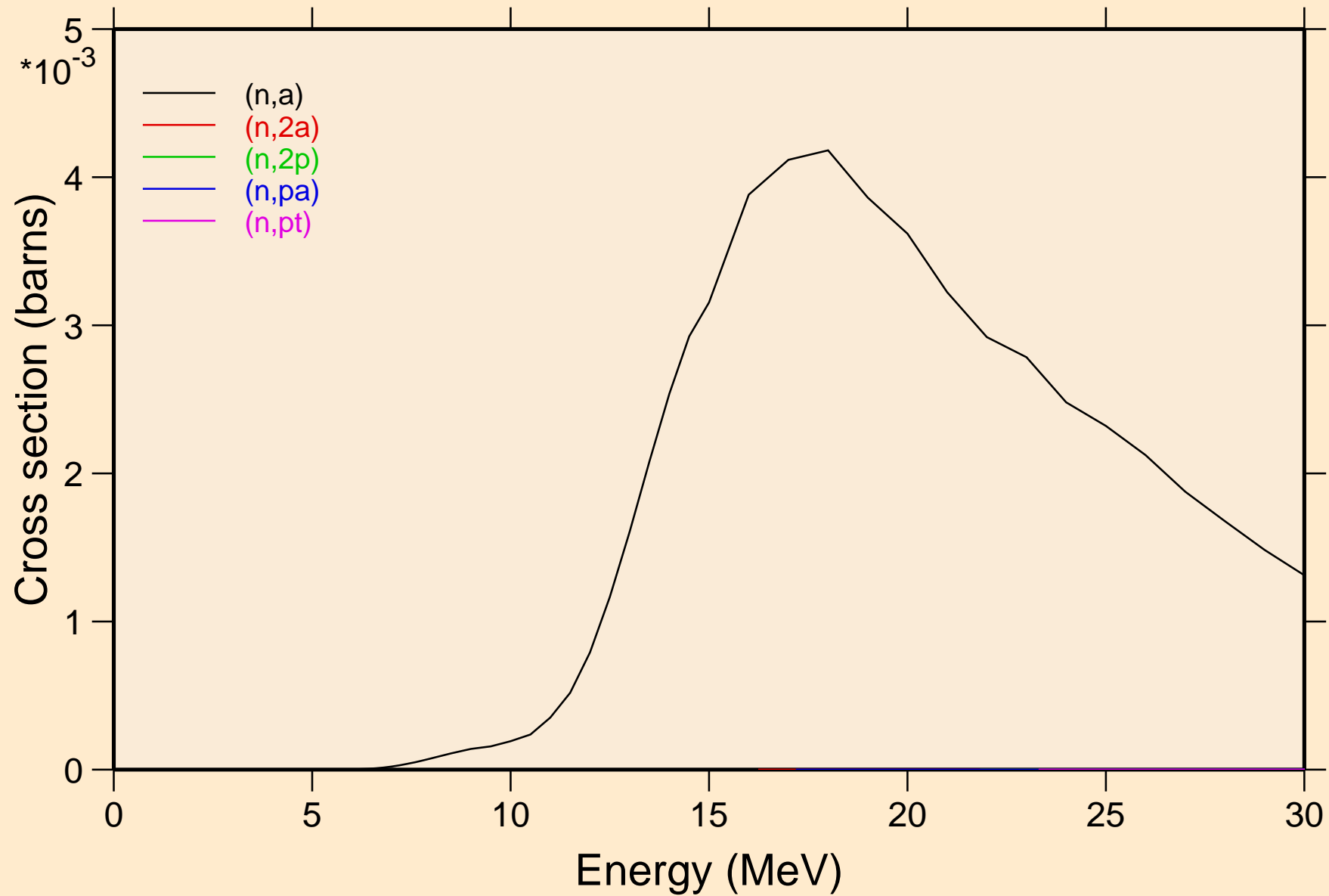
## Threshold reactions



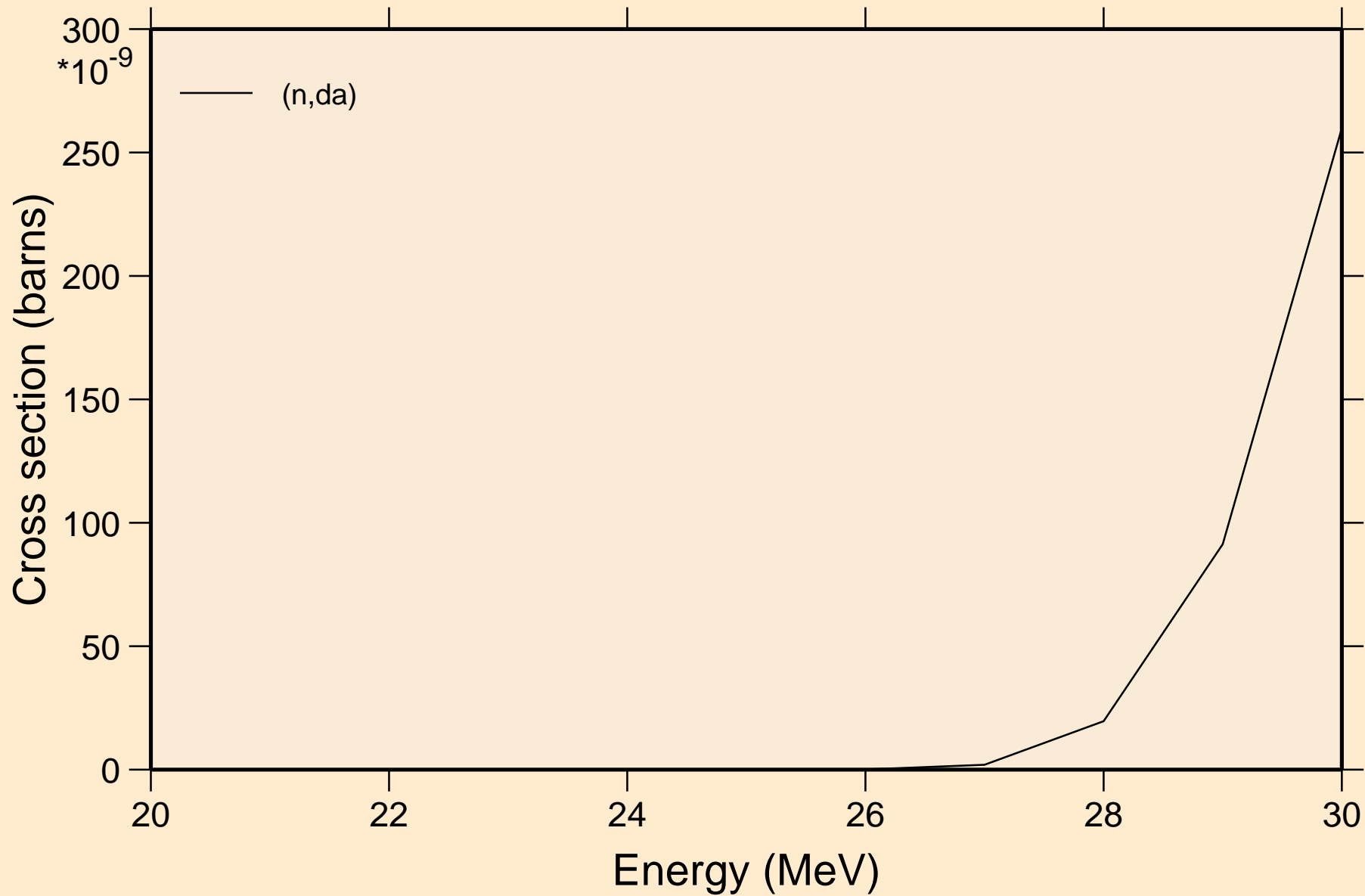
CL040 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



CL040 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



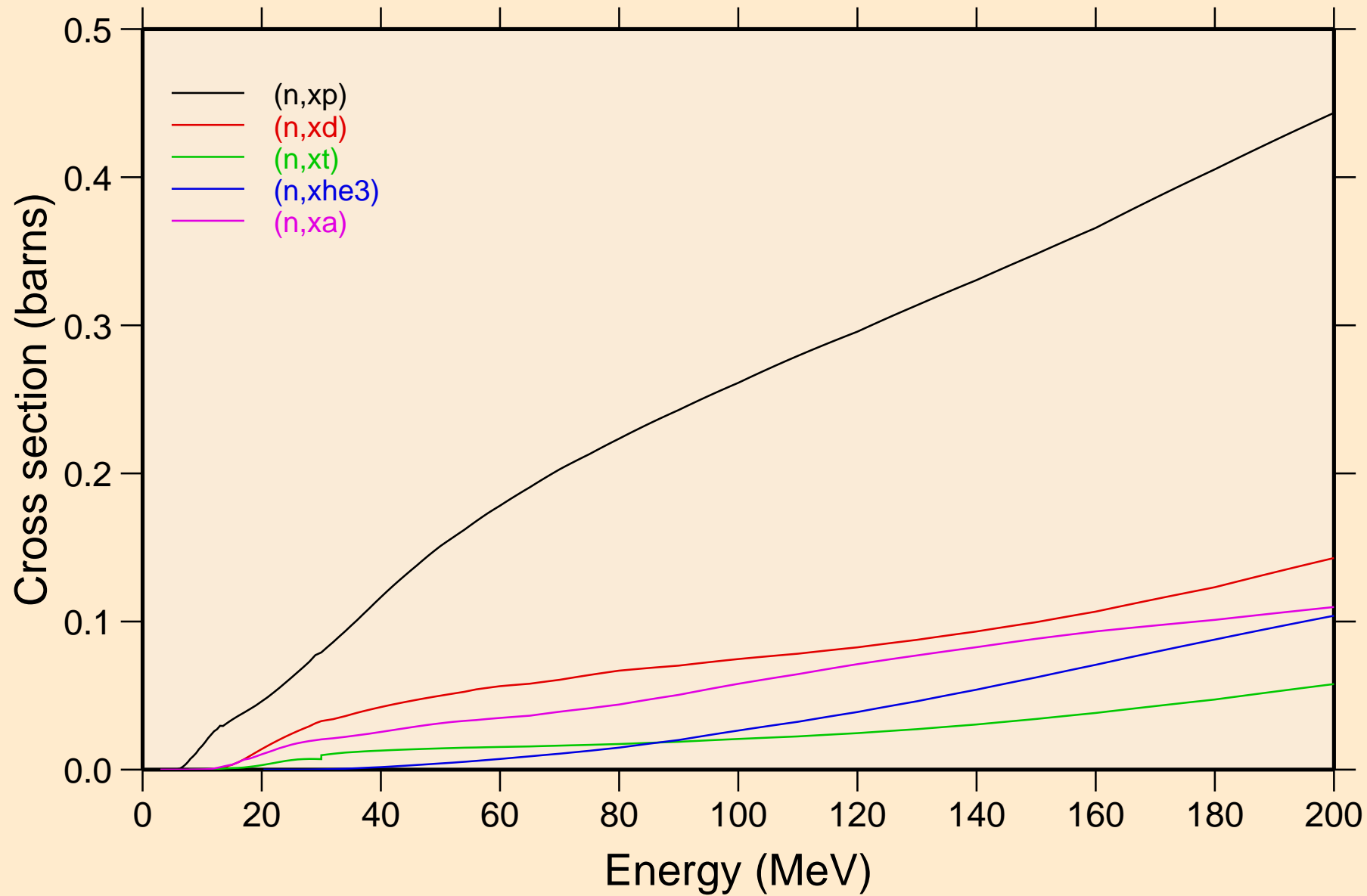
CL040 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



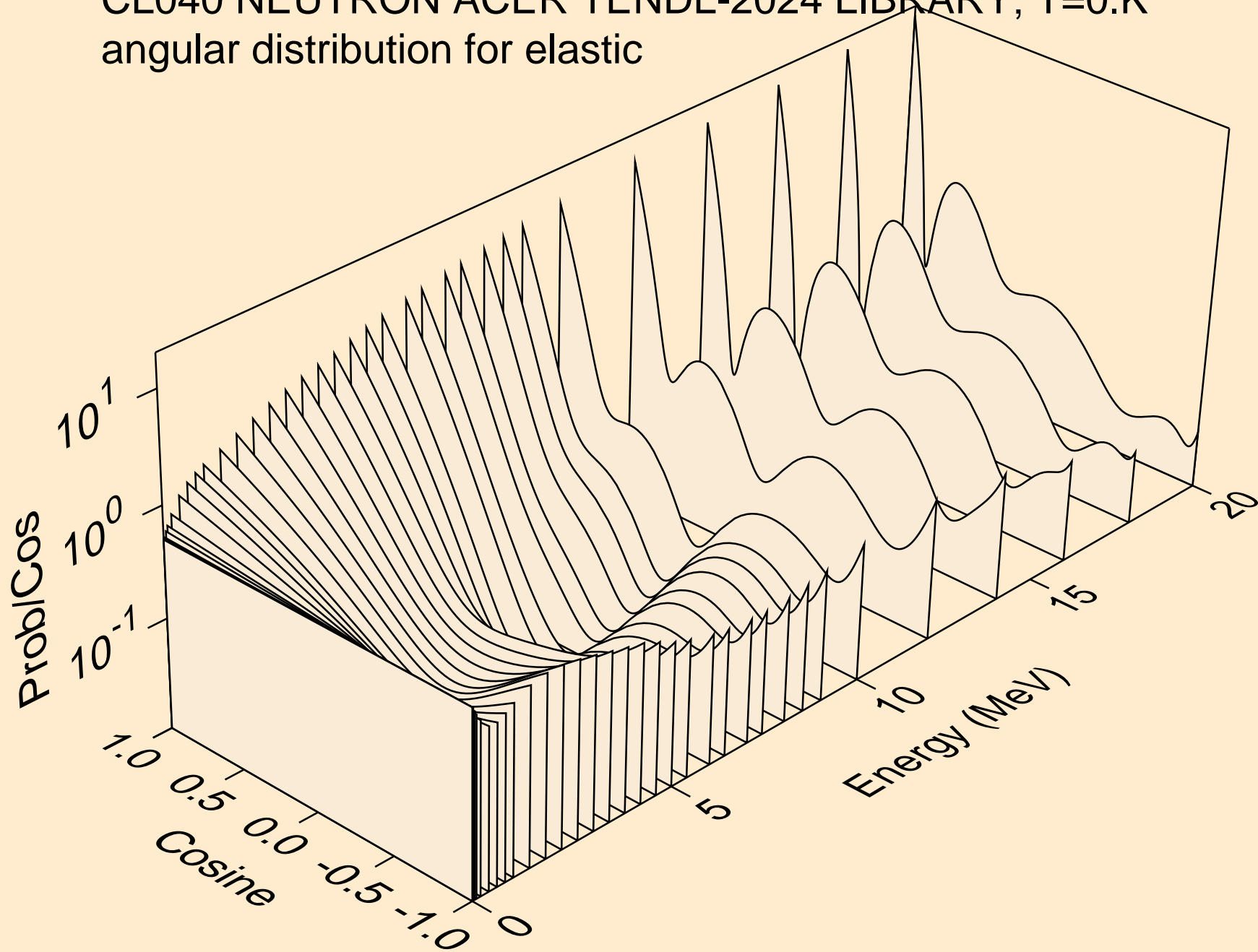


# CL040 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

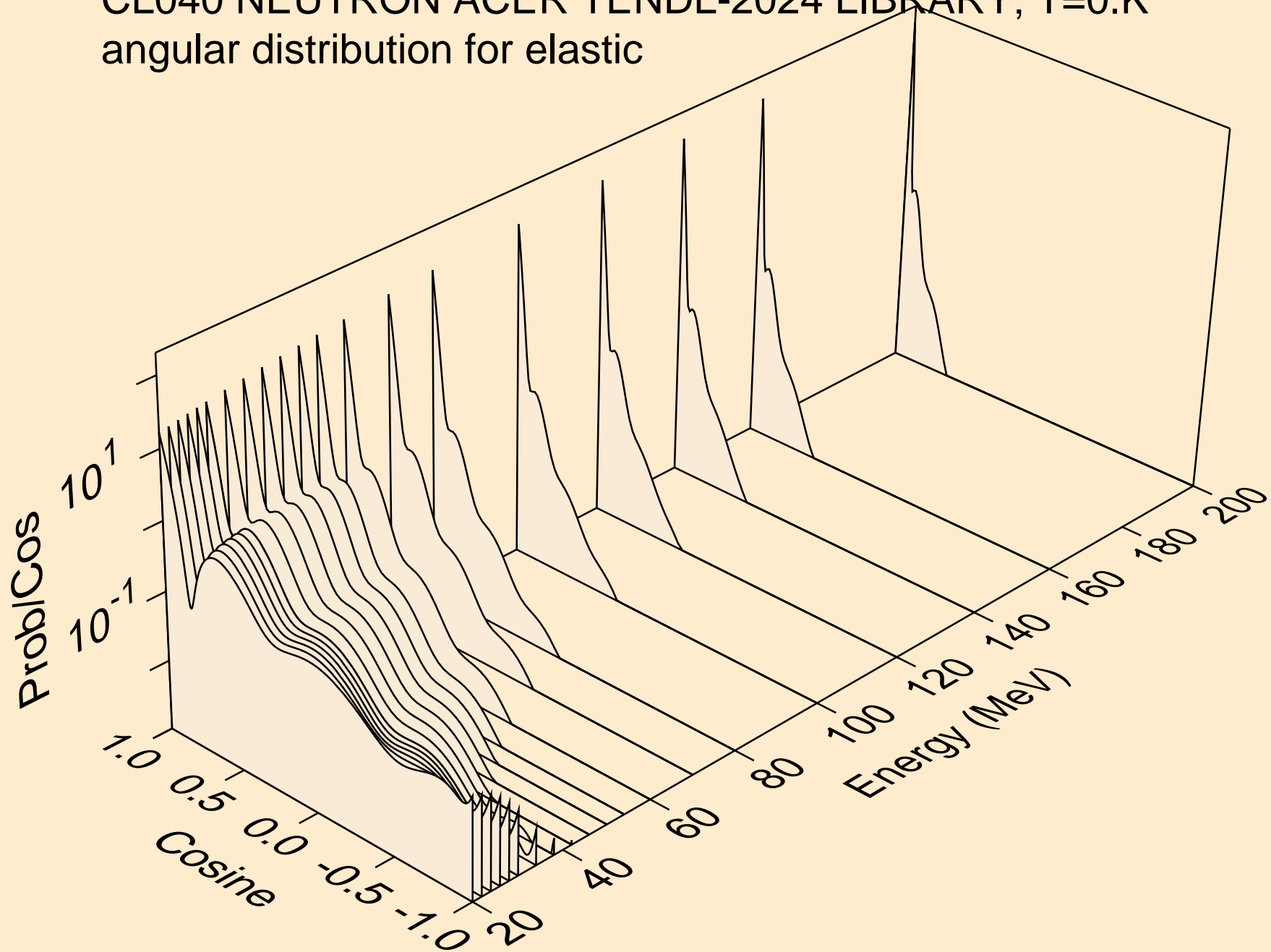
## Threshold reactions



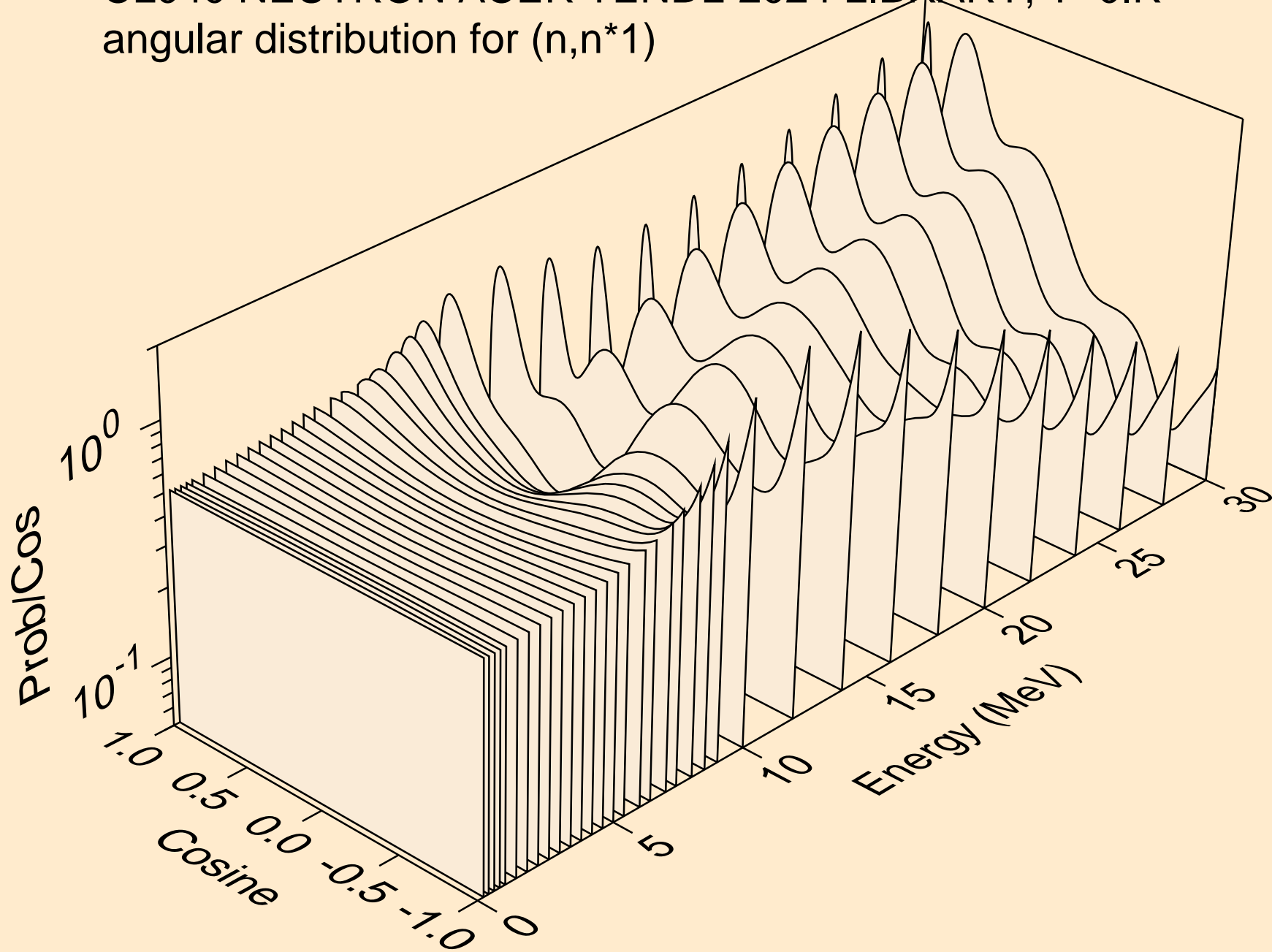
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angular distribution for elastic



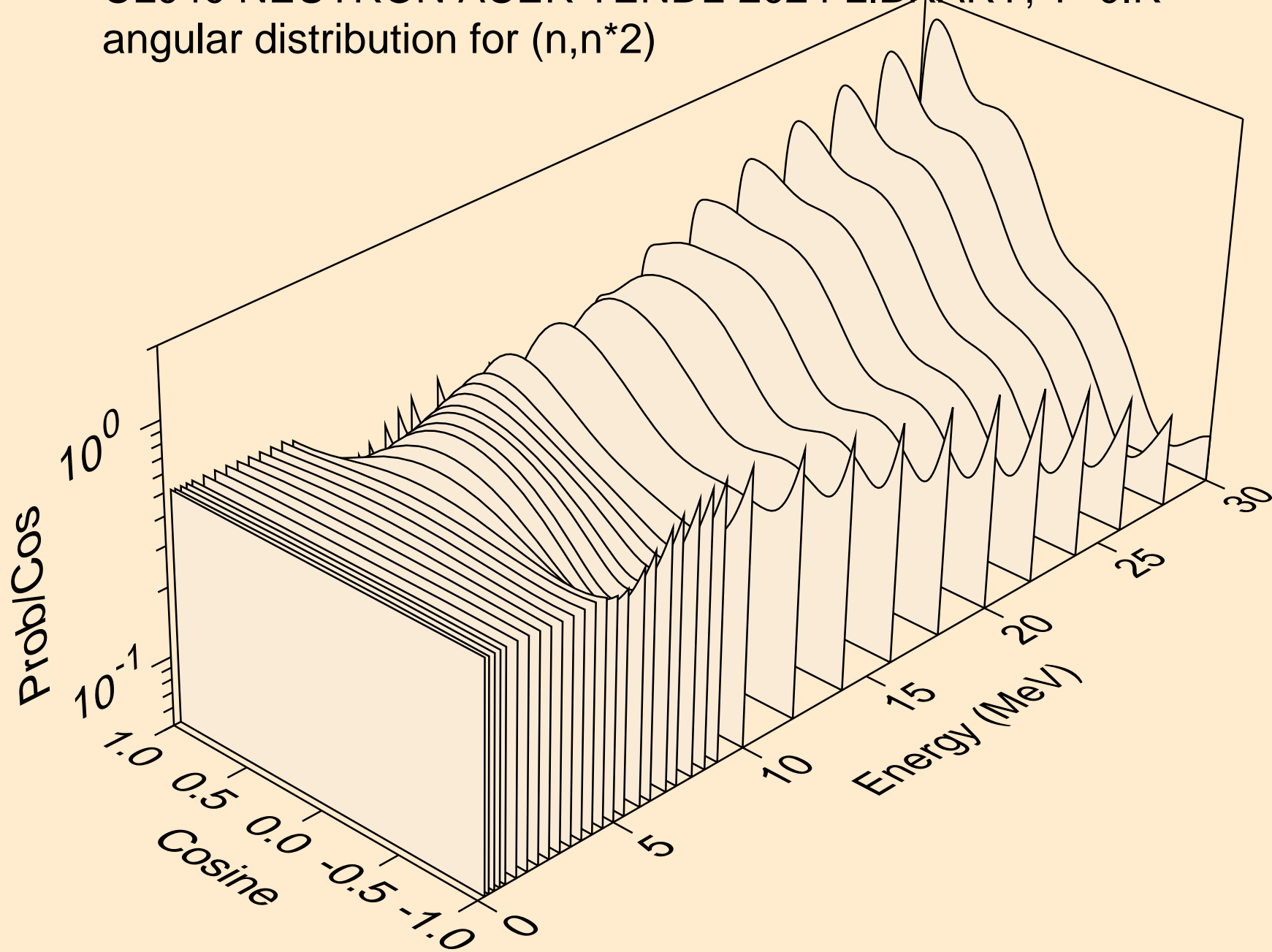
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angular distribution for elastic



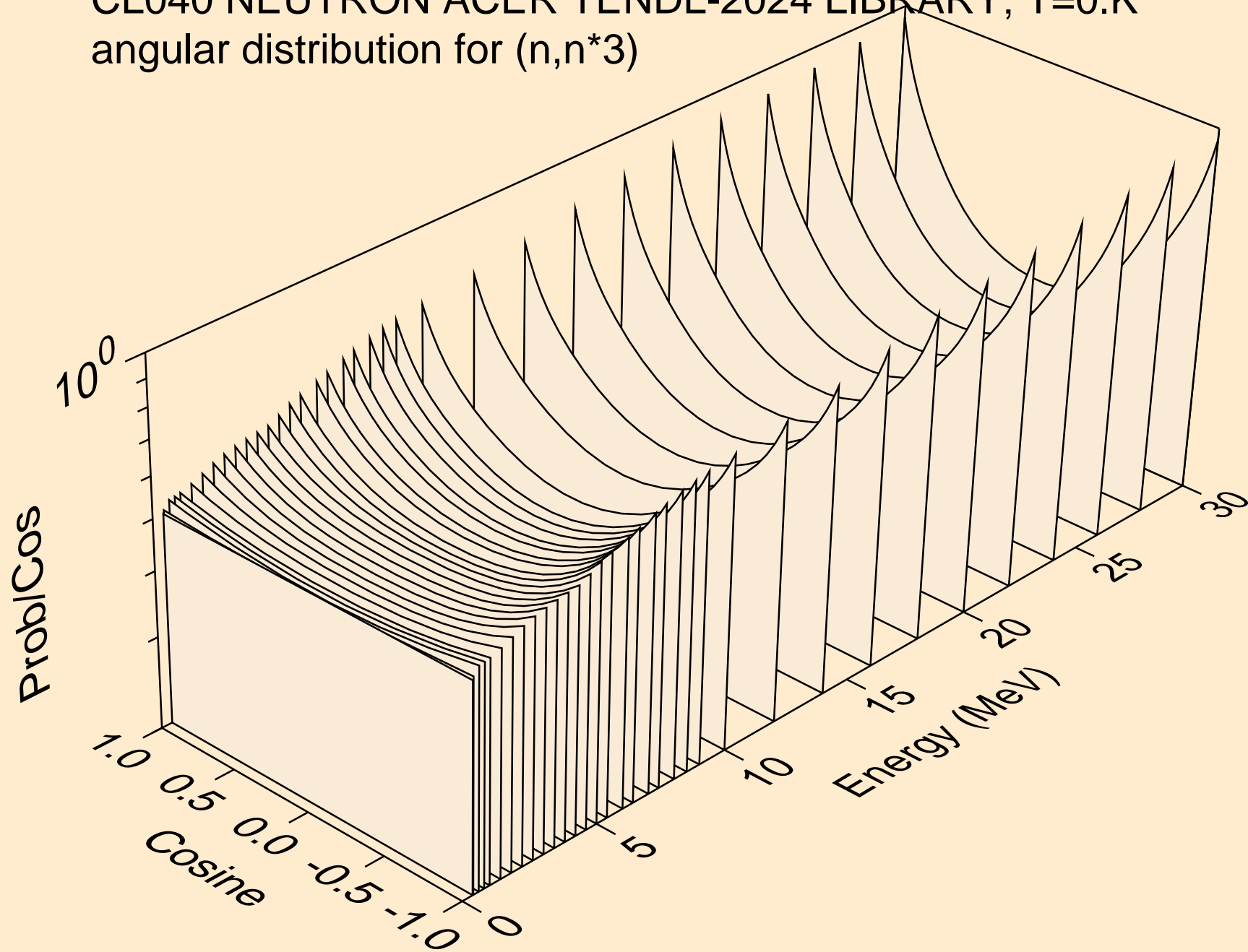
CL040 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



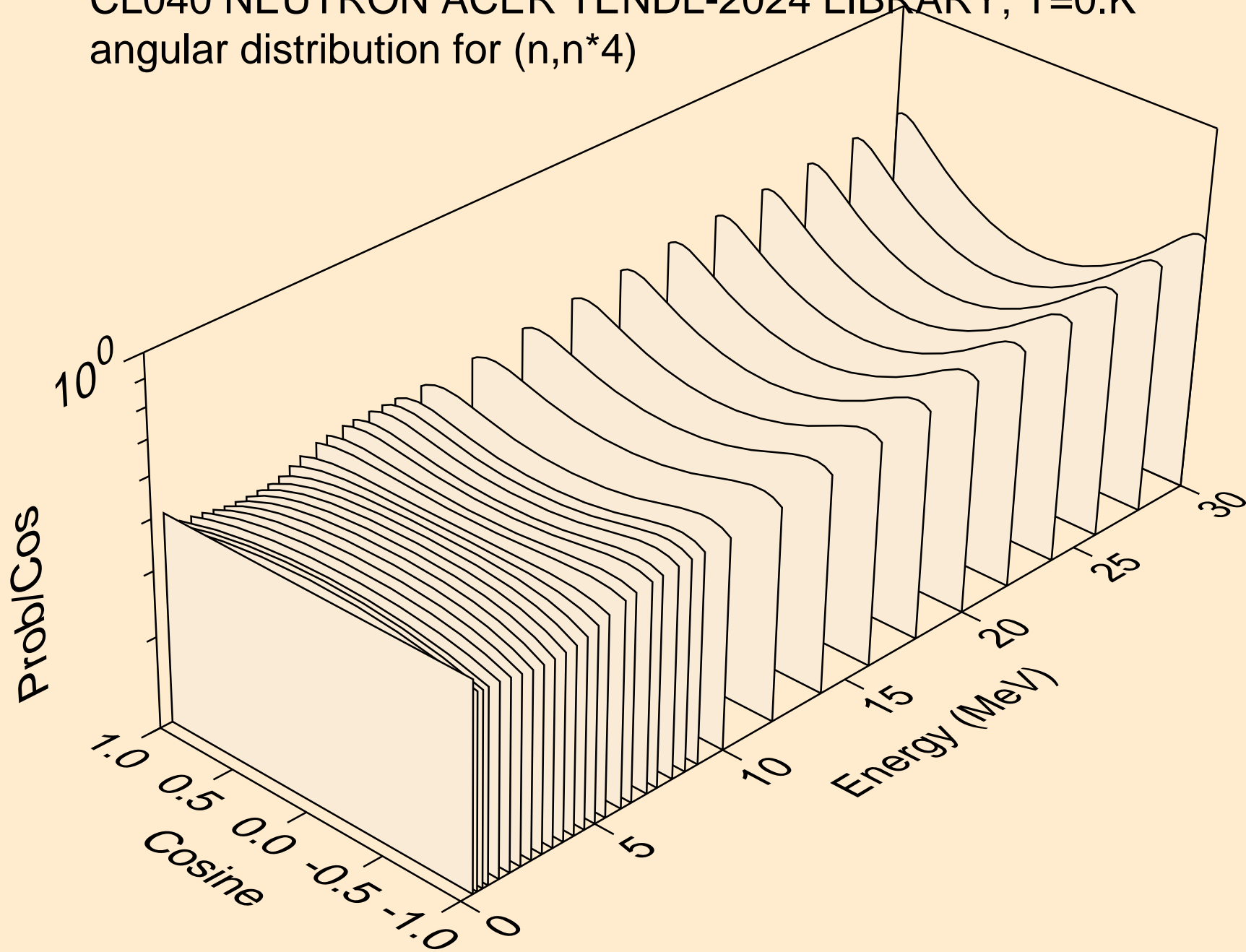
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angular distribution for (n,n\*2)



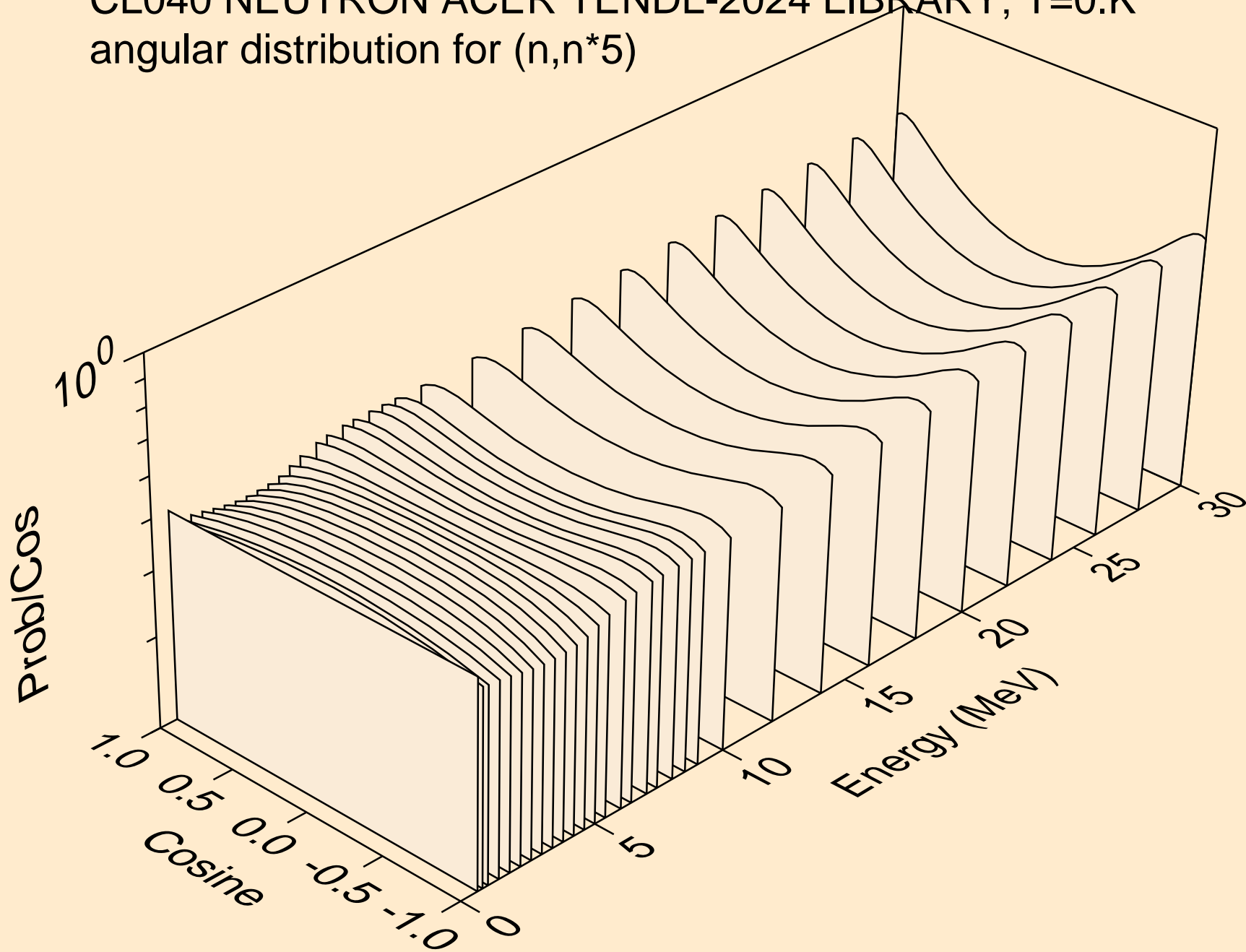
CL040 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*3)



CL040 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*4)

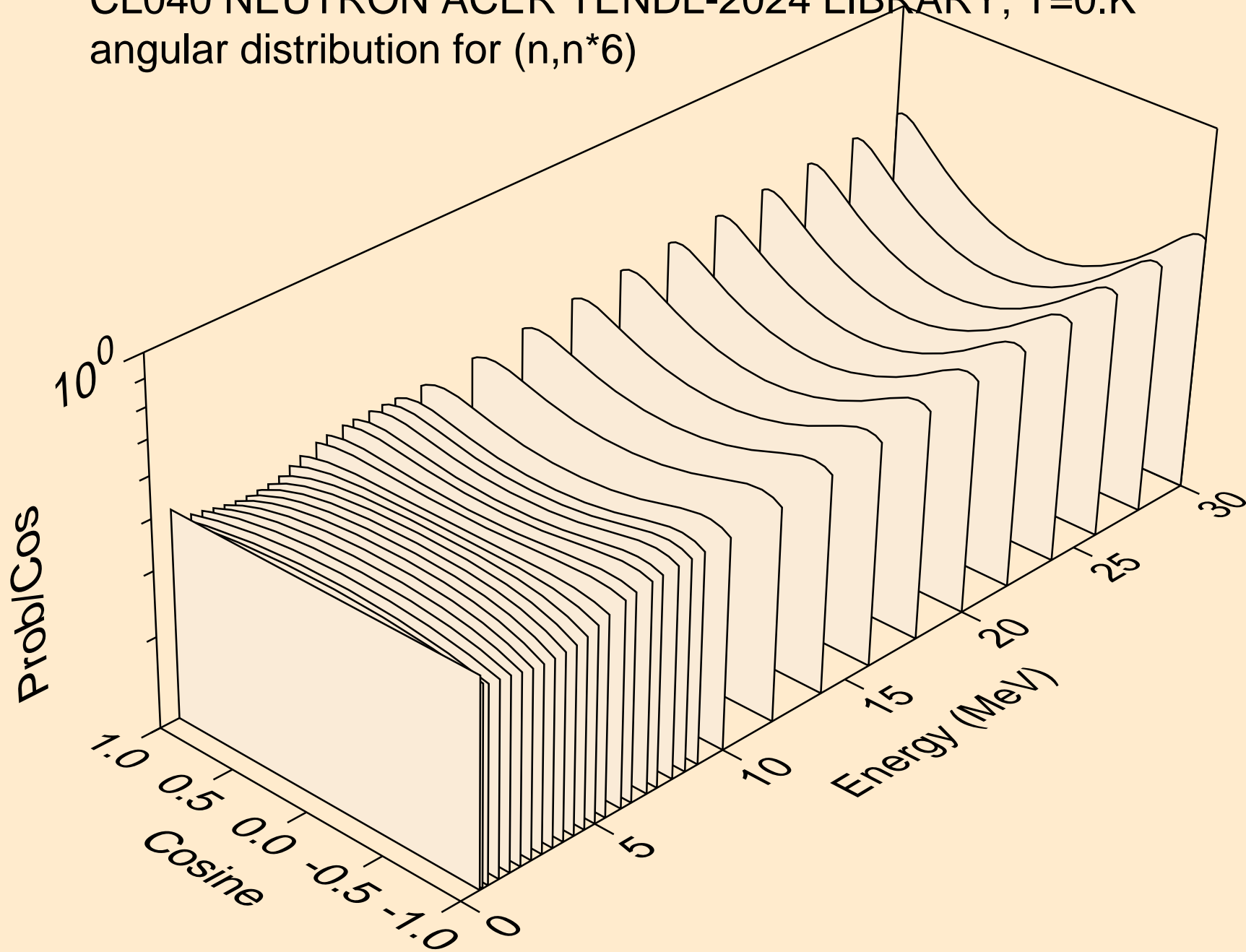


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angular distribution for (n,n\*5)

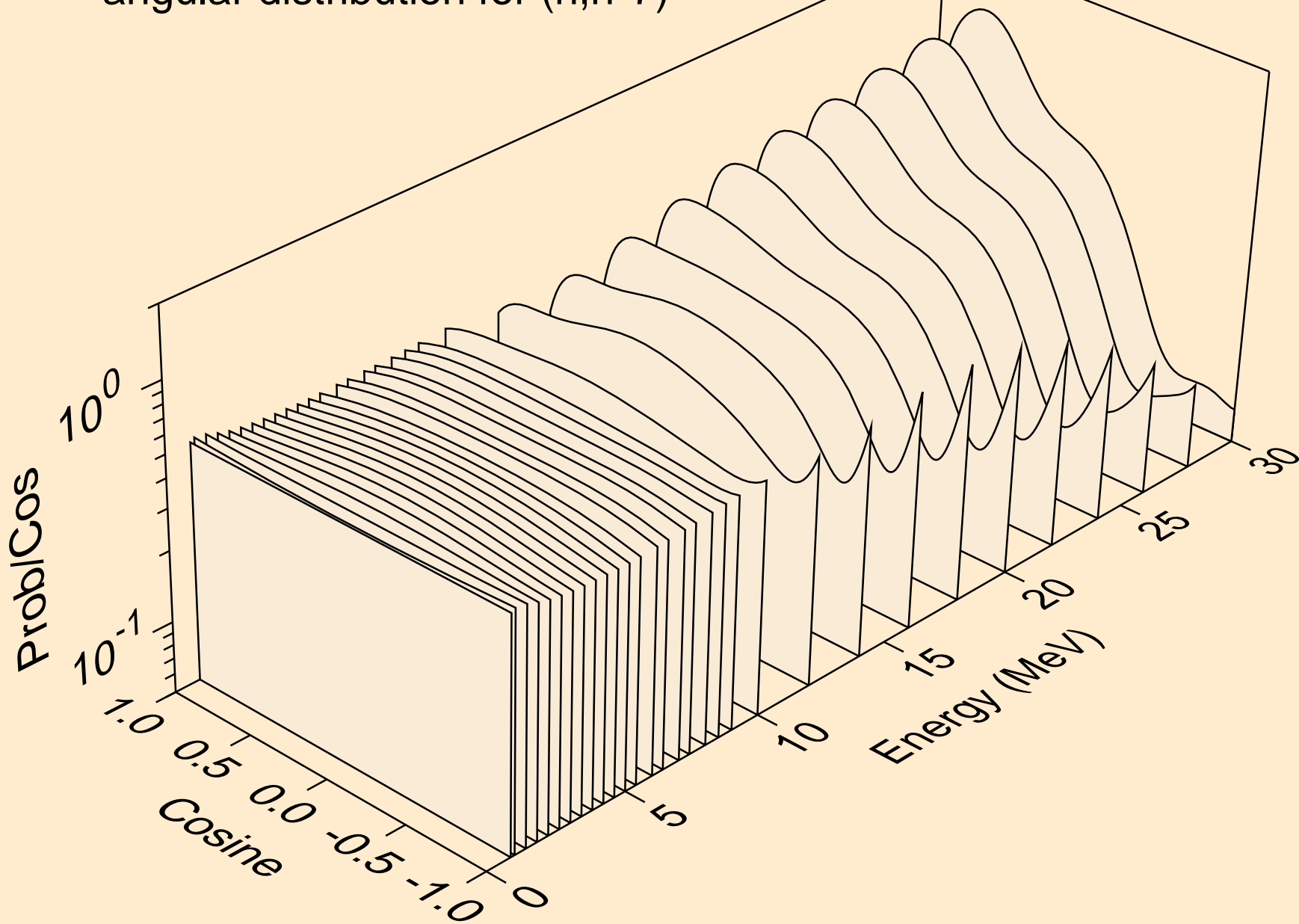




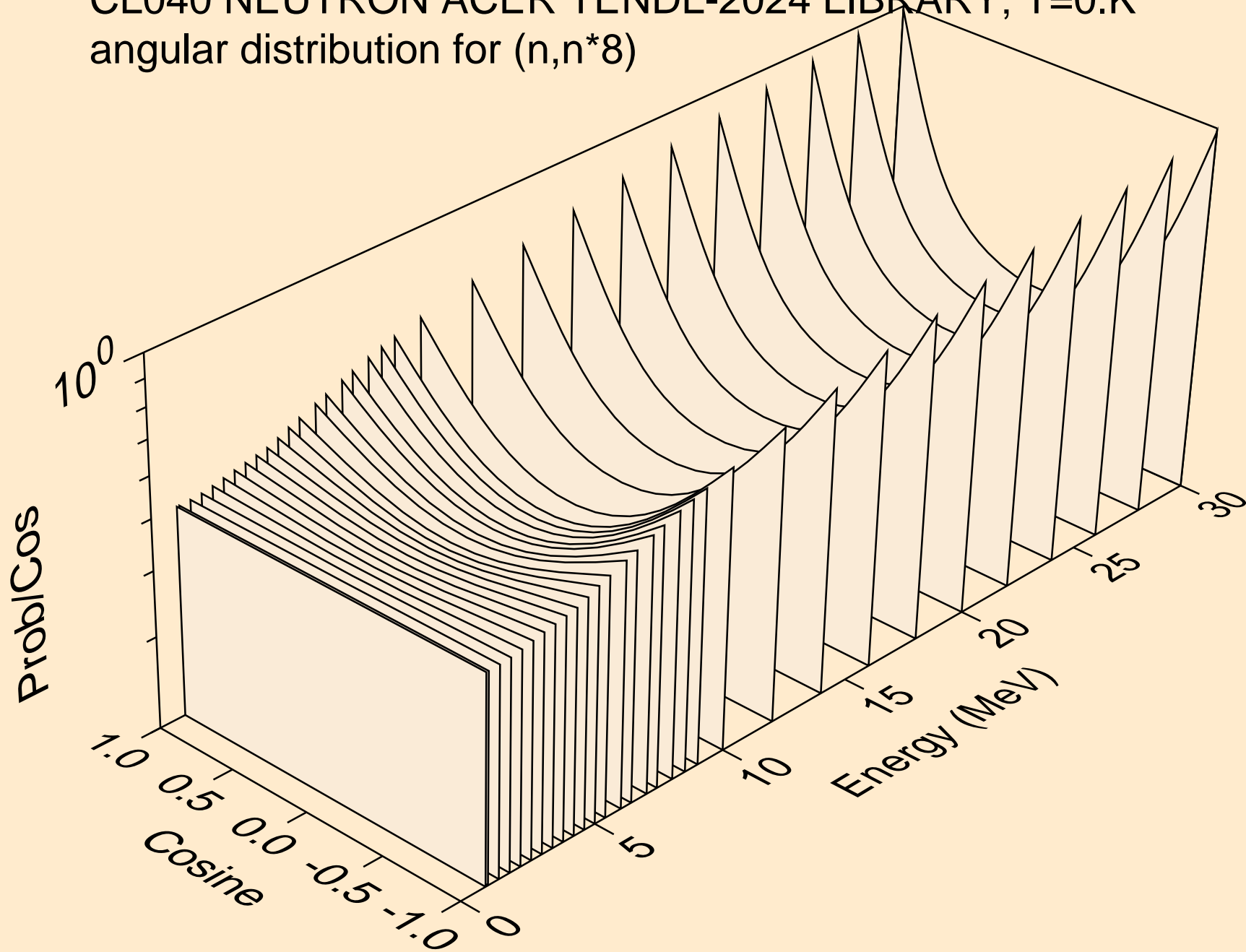
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angular distribution for (n,n\*6)



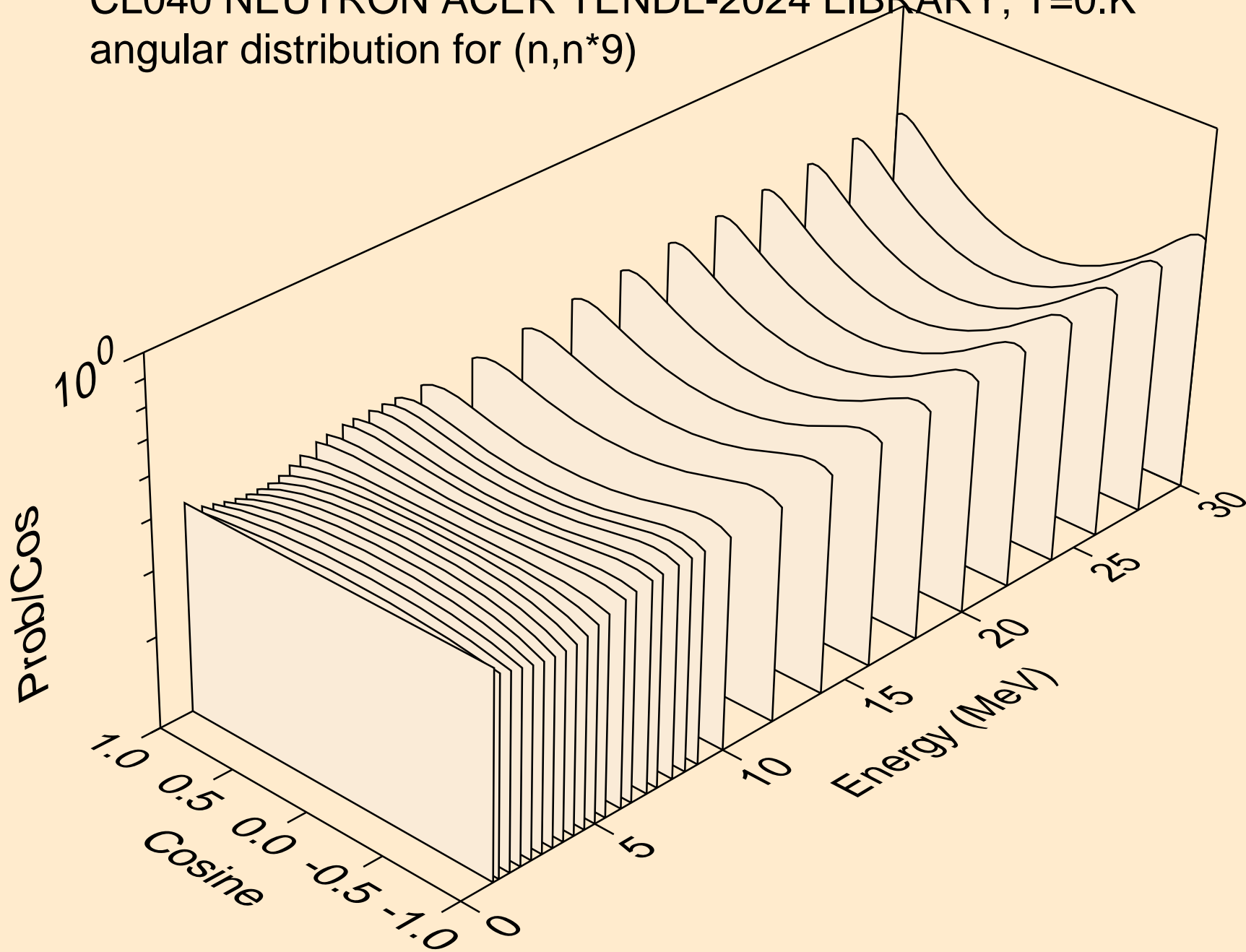
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angular distribution for (n,n\*7)



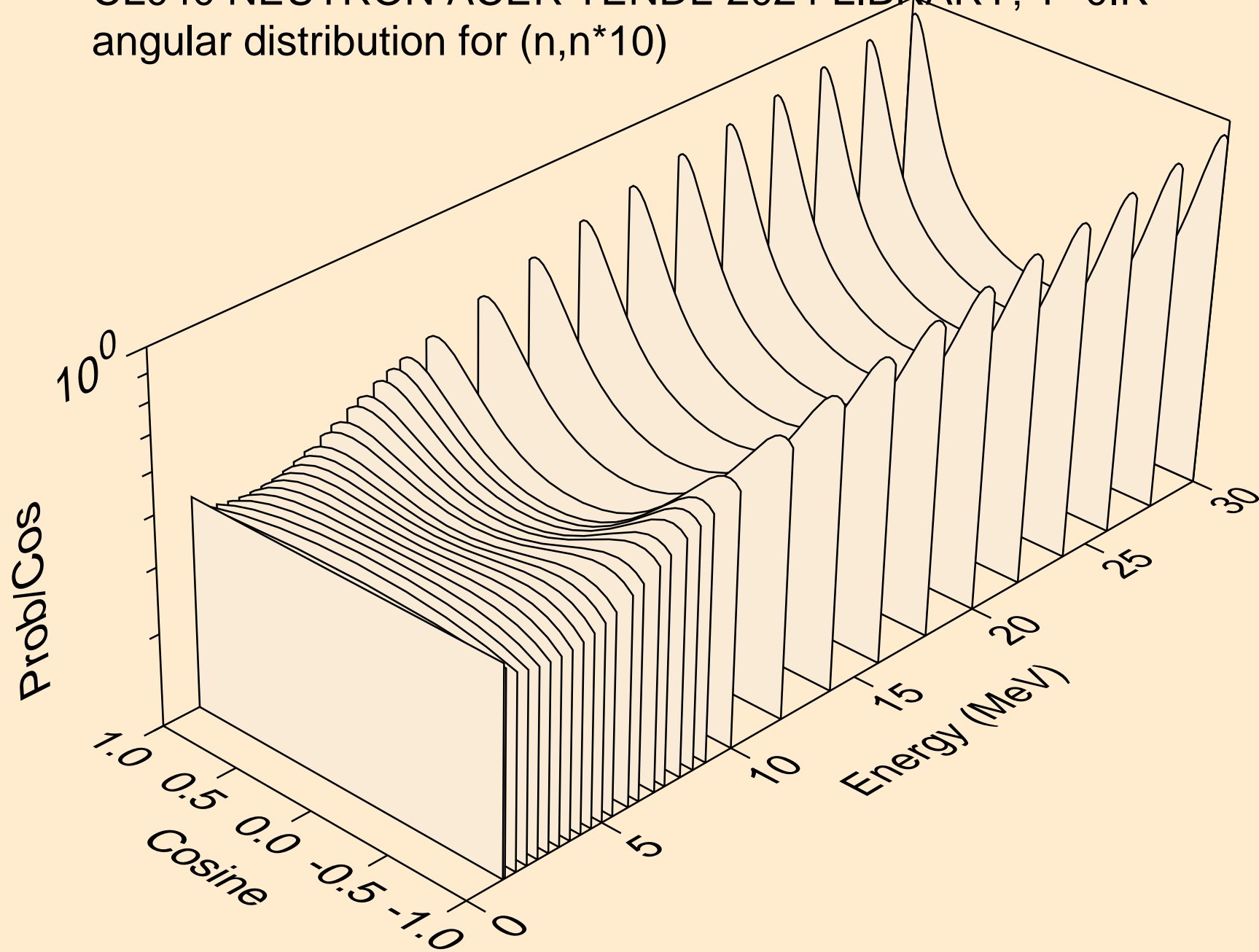
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angular distribution for (n,n\*8)



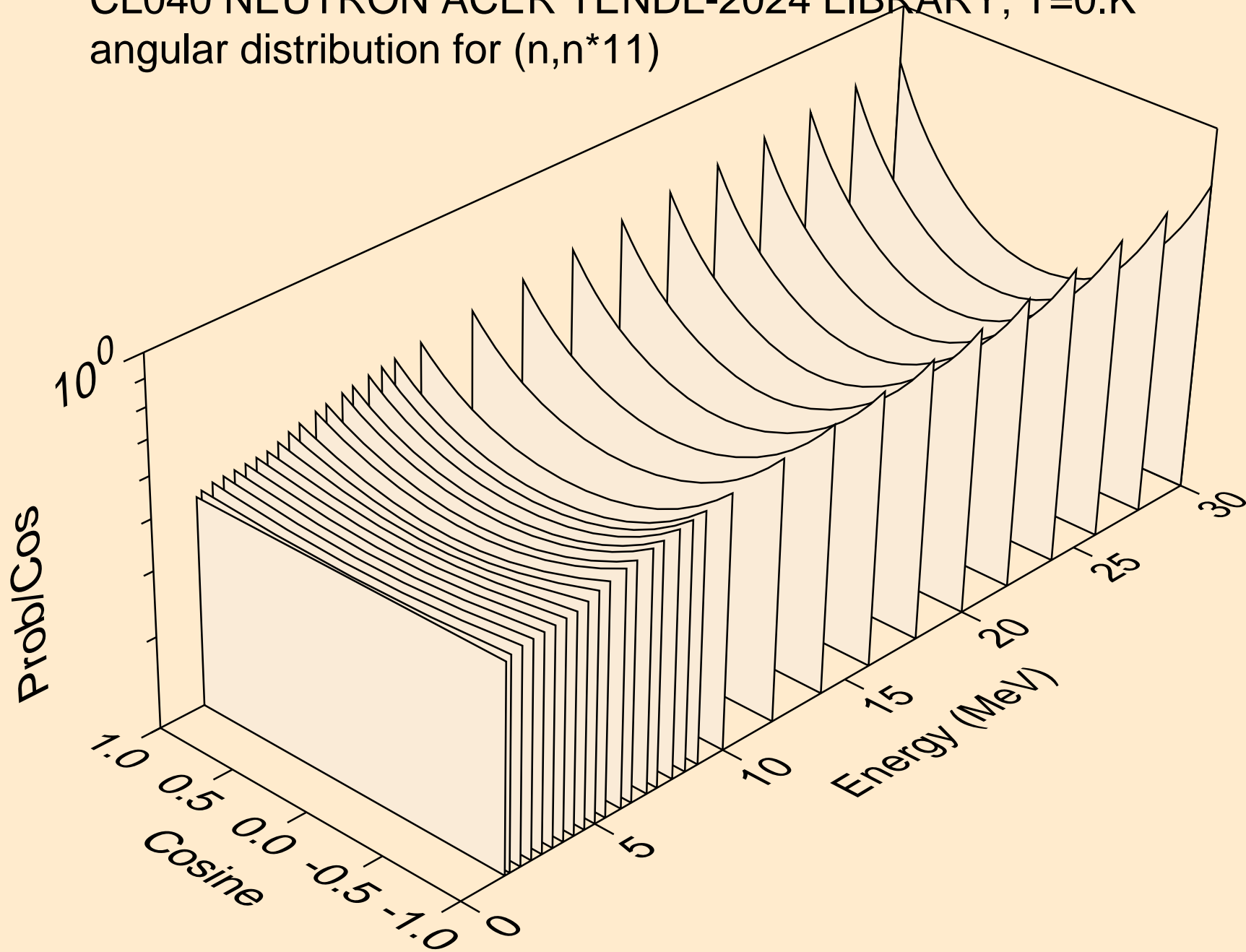
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angular distribution for (n,n\*9)



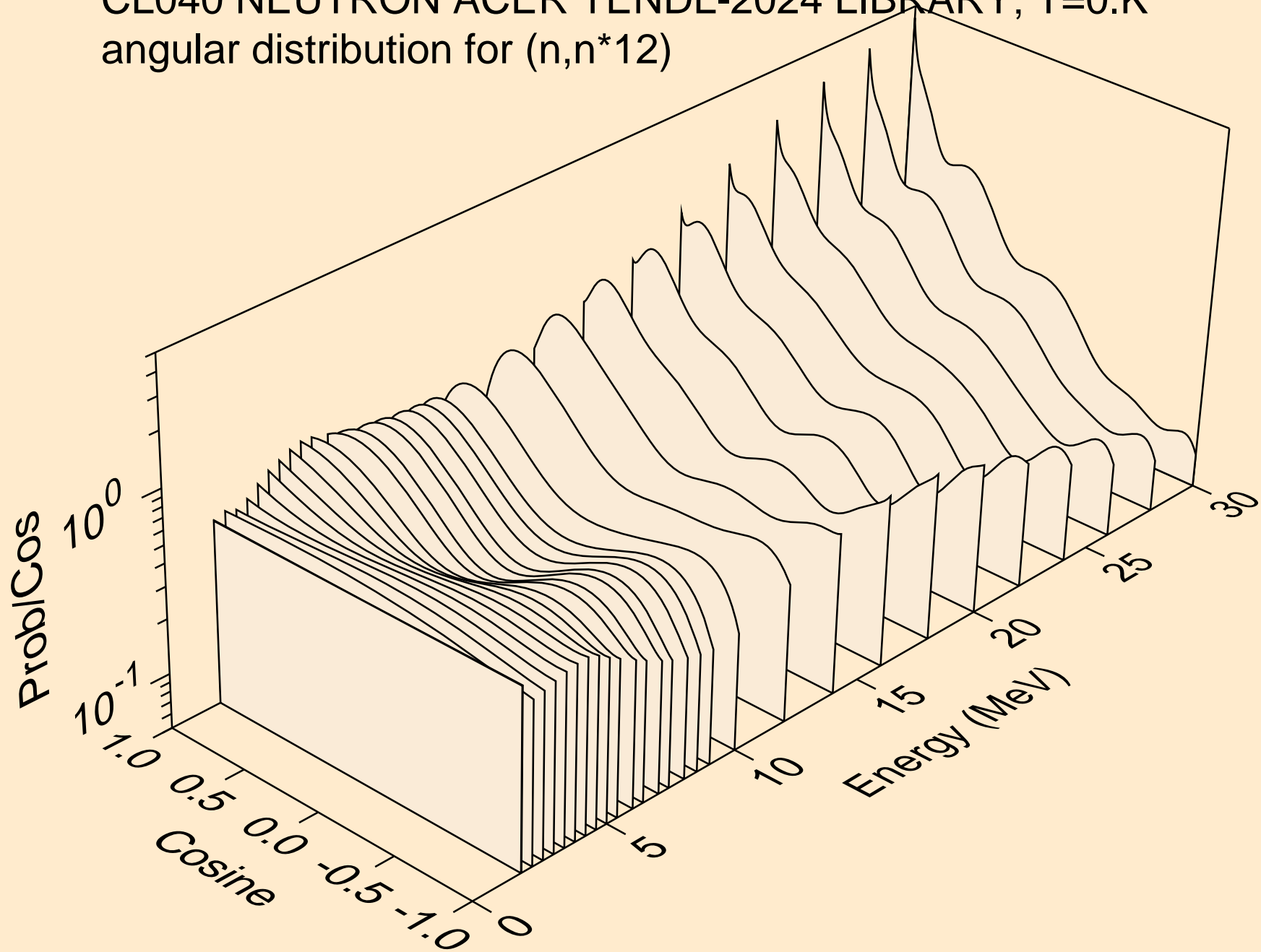
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angular distribution for (n,n\*10)



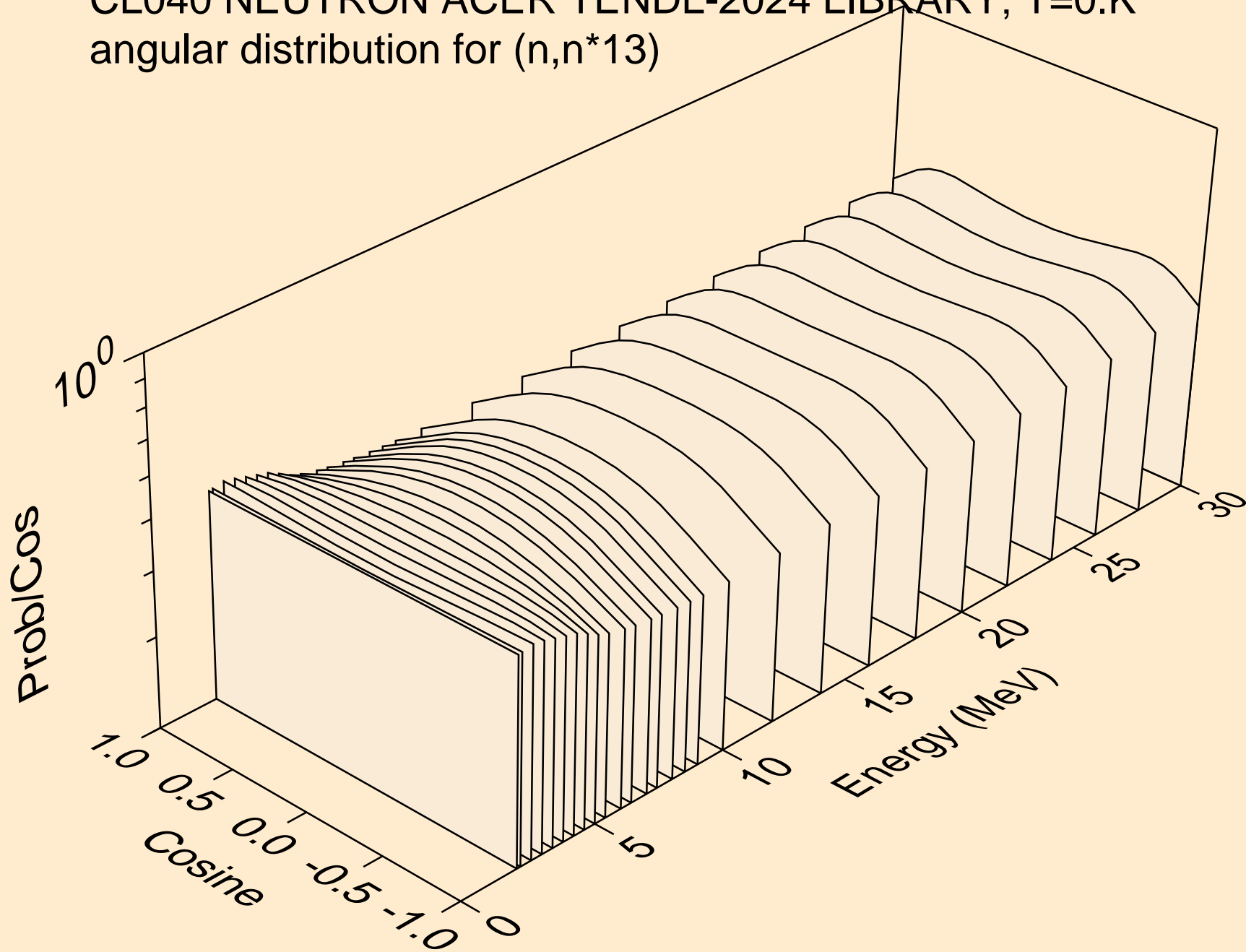
CL040 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*11)



CL040 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*12)

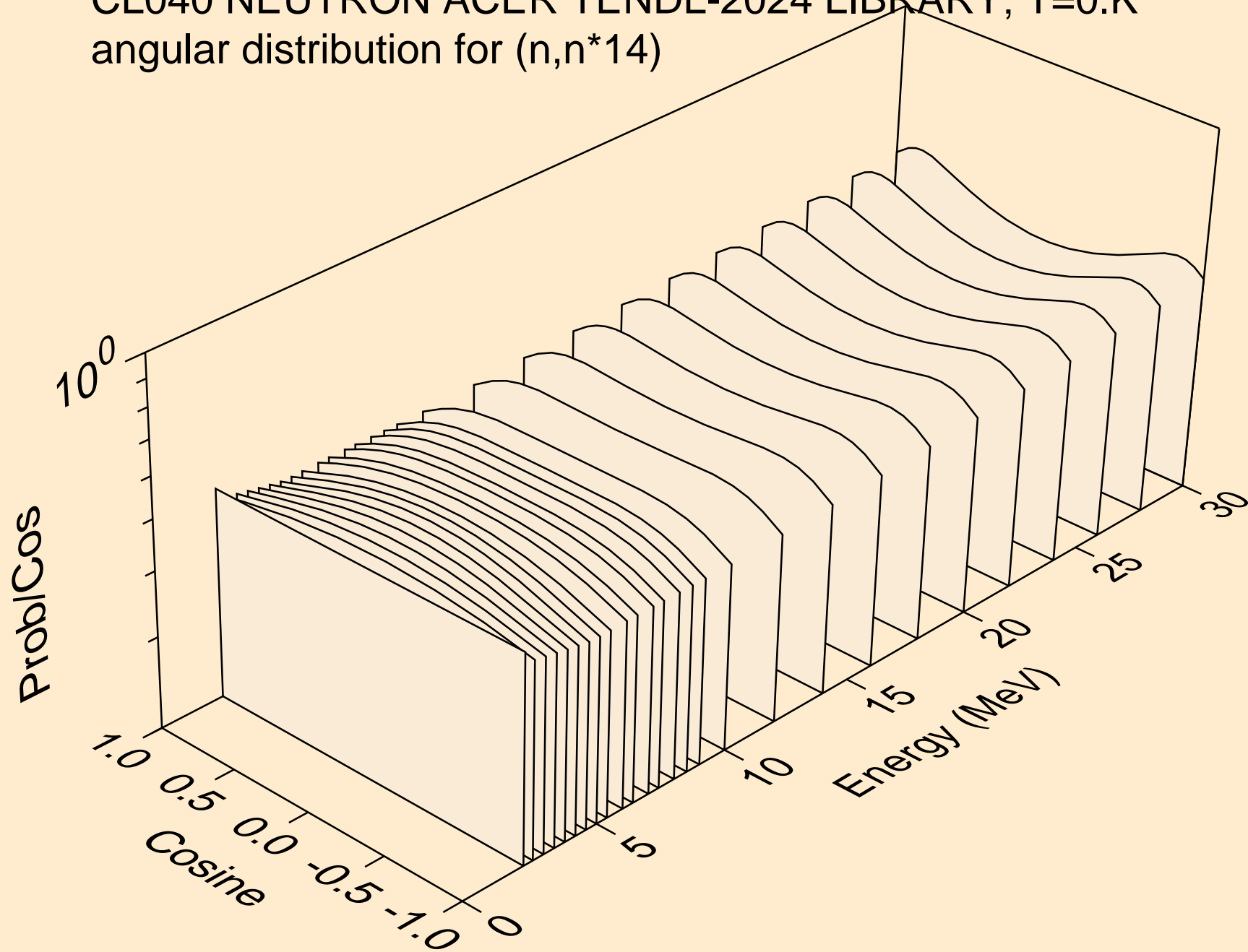


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angular distribution for (n,n\*13)

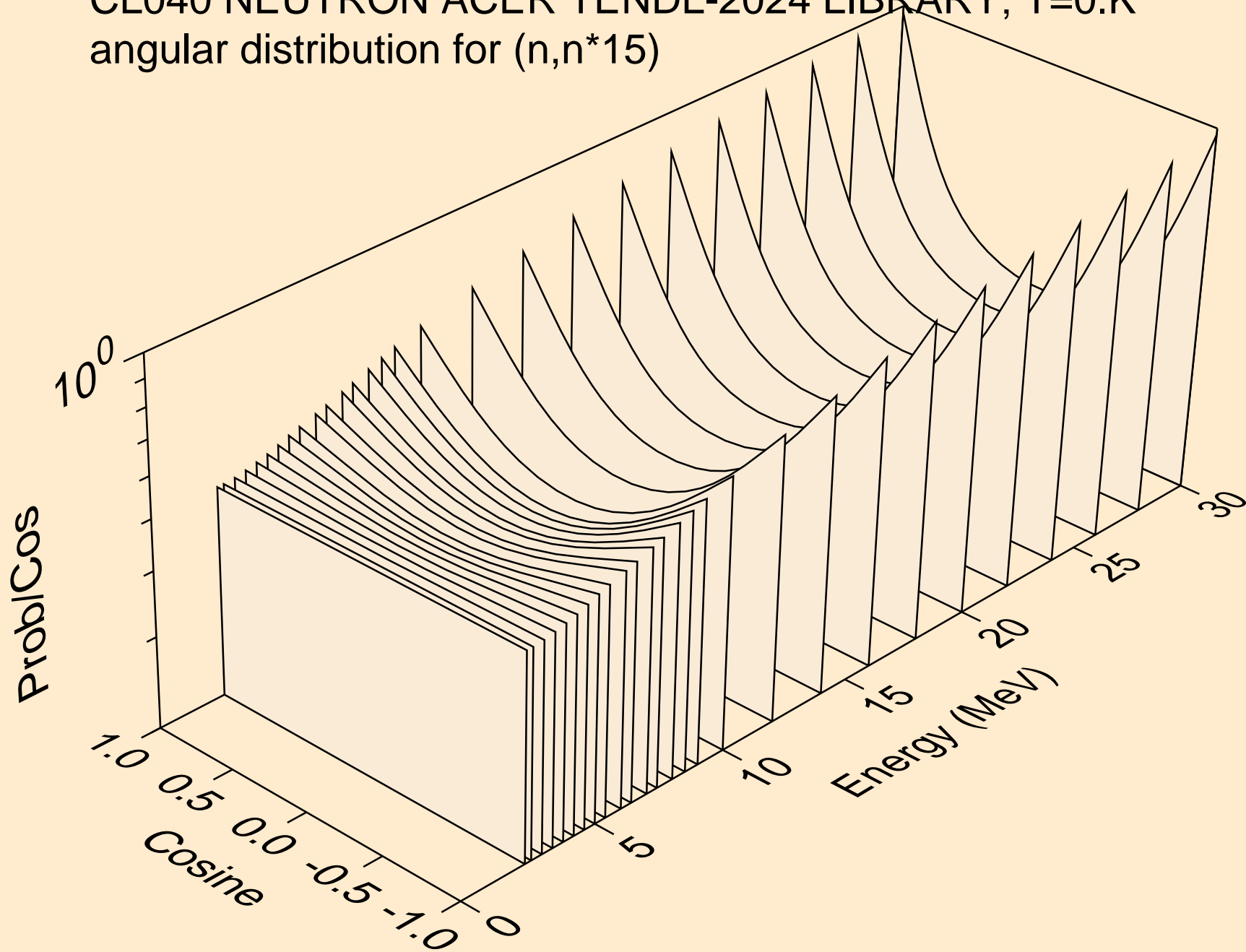




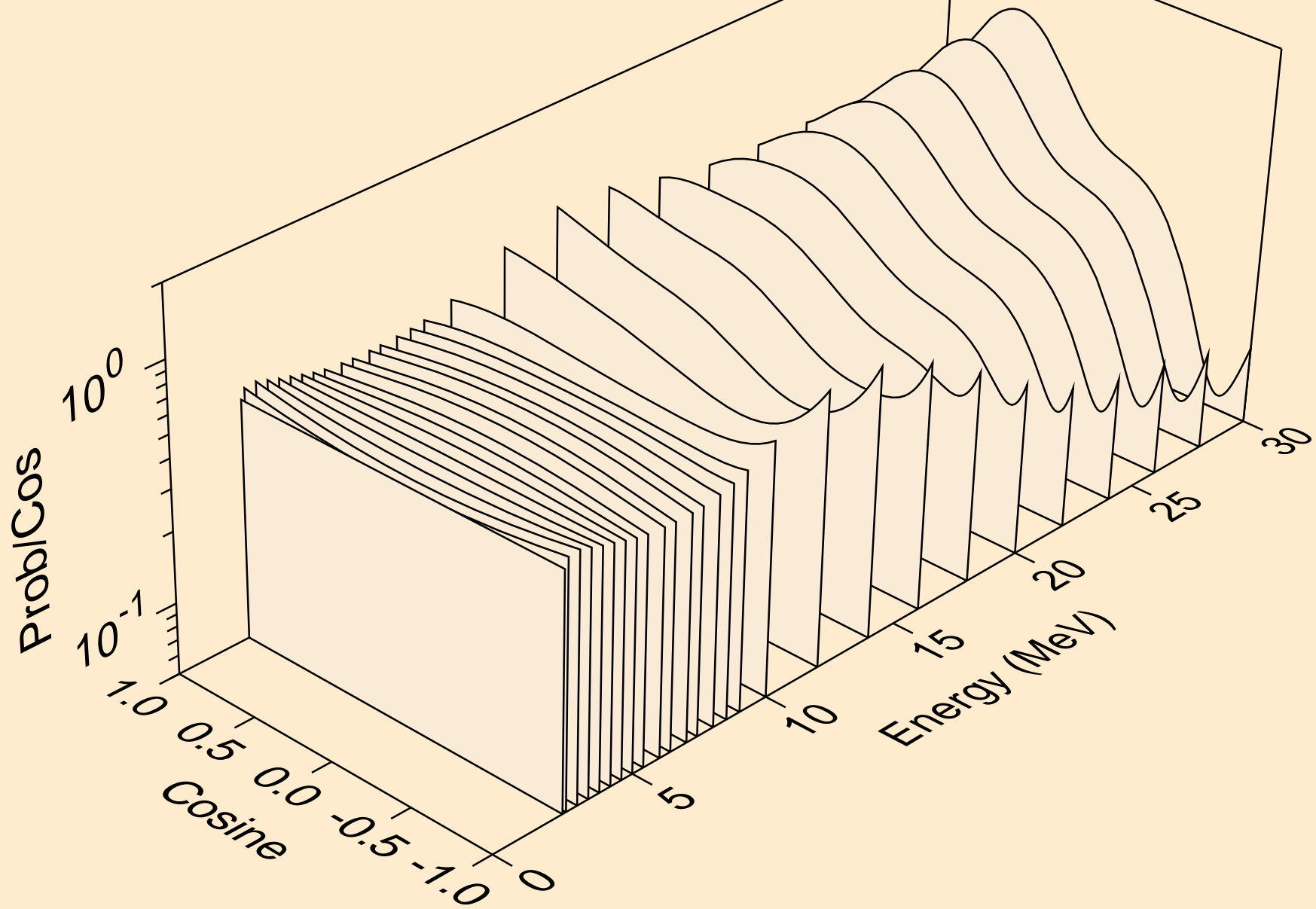
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angular distribution for (n,n\*14)



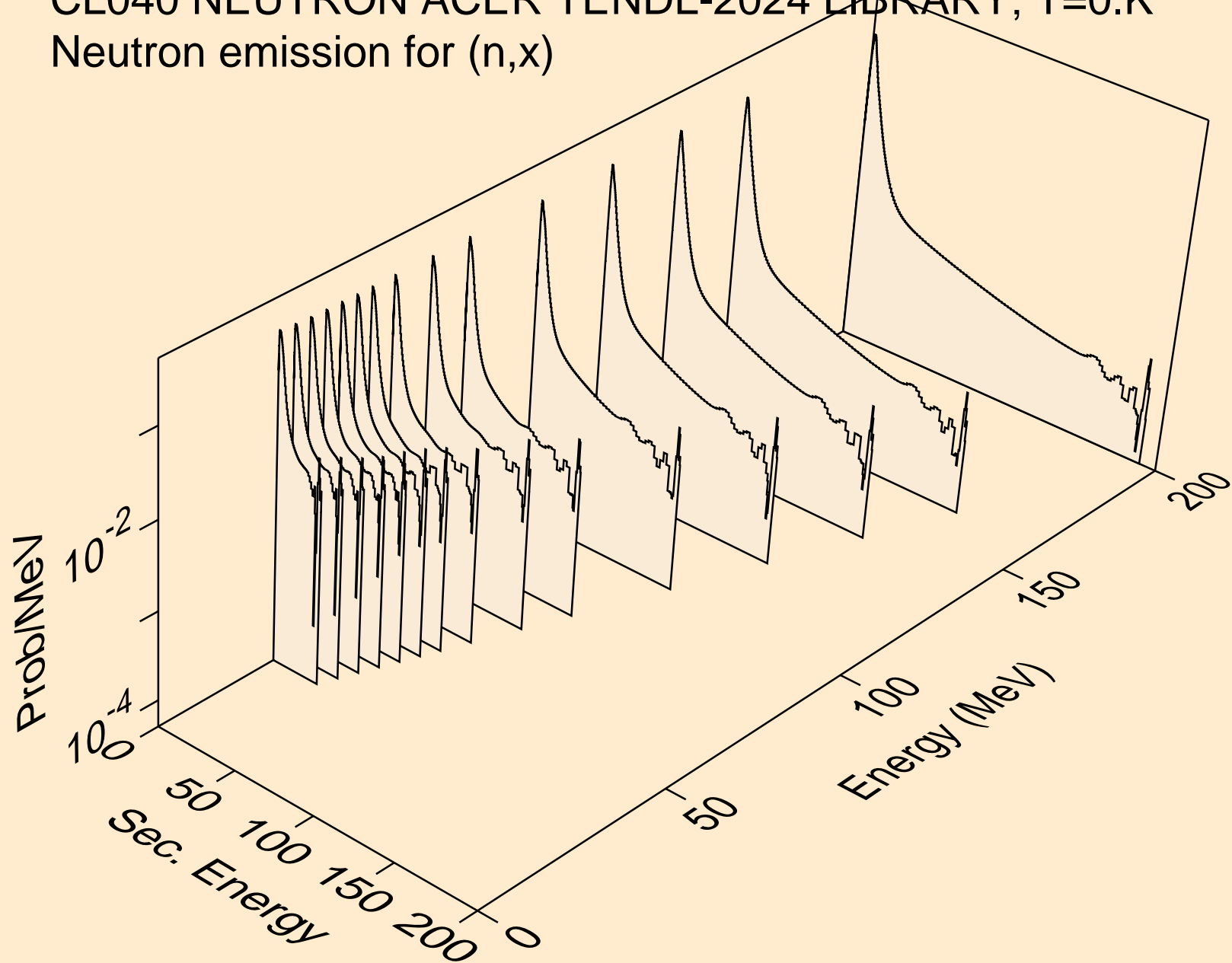
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angular distribution for (n,n\*15)



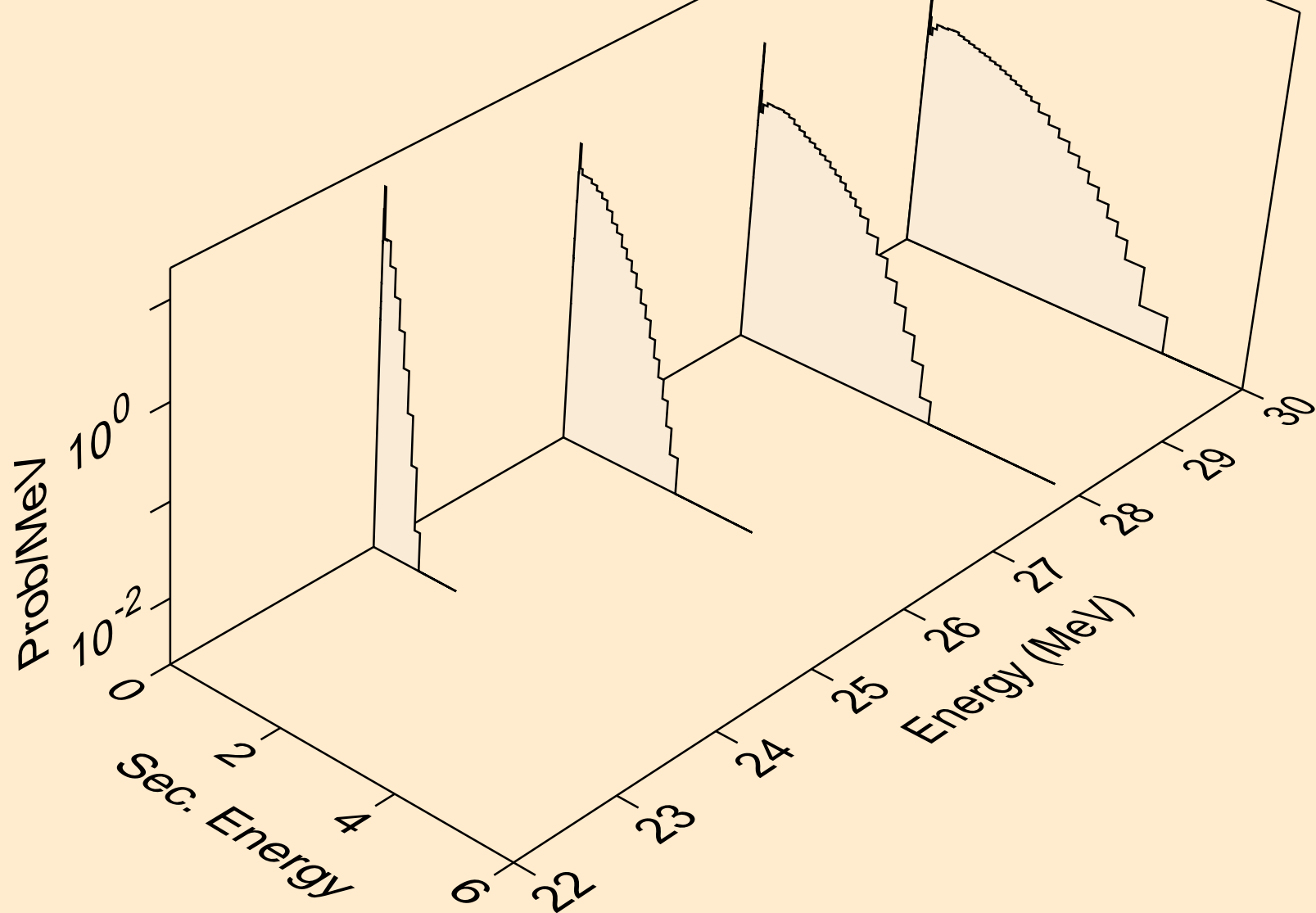
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angular distribution for (n,n\*16)



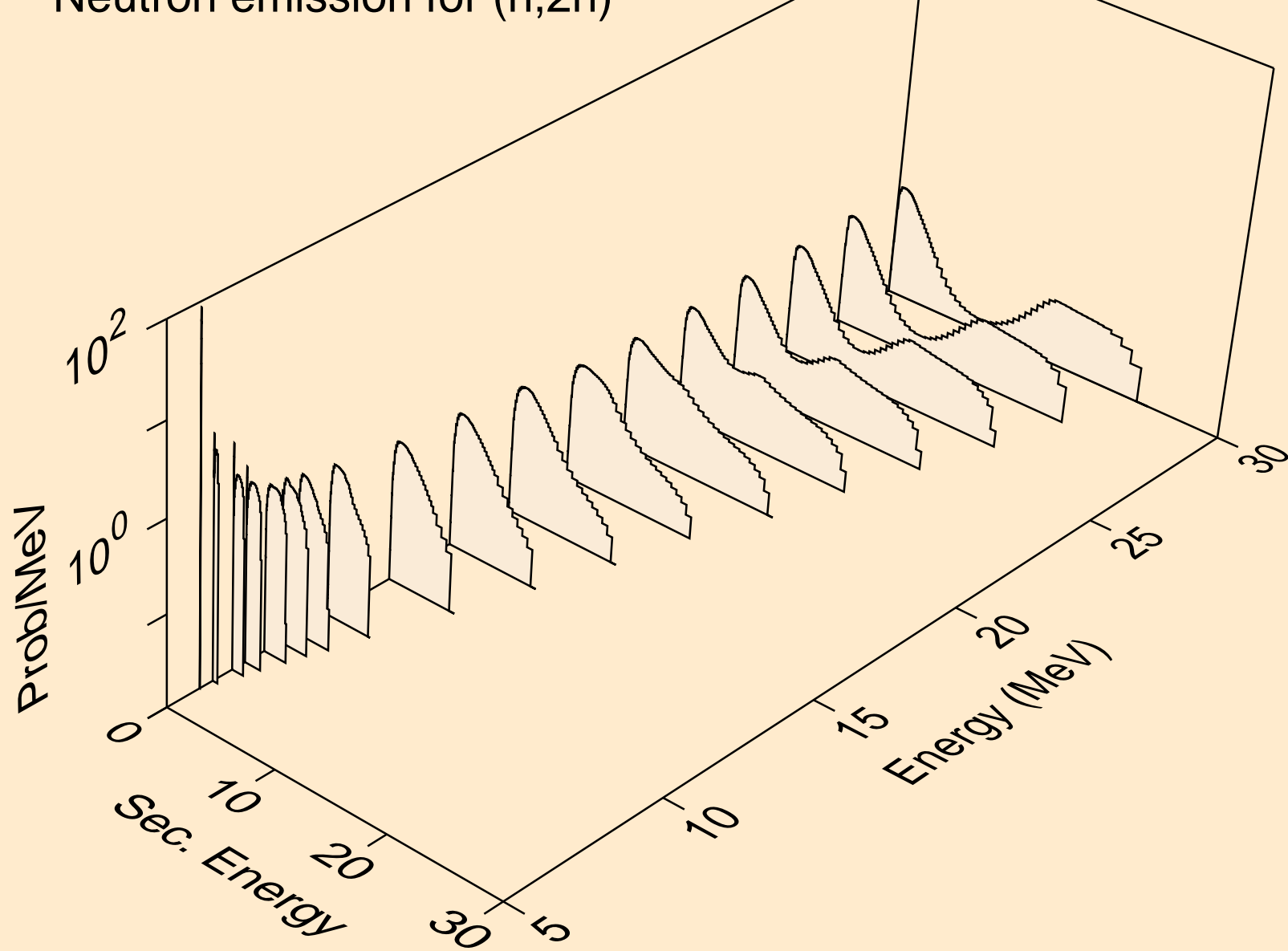
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Neutron emission for (n,x)



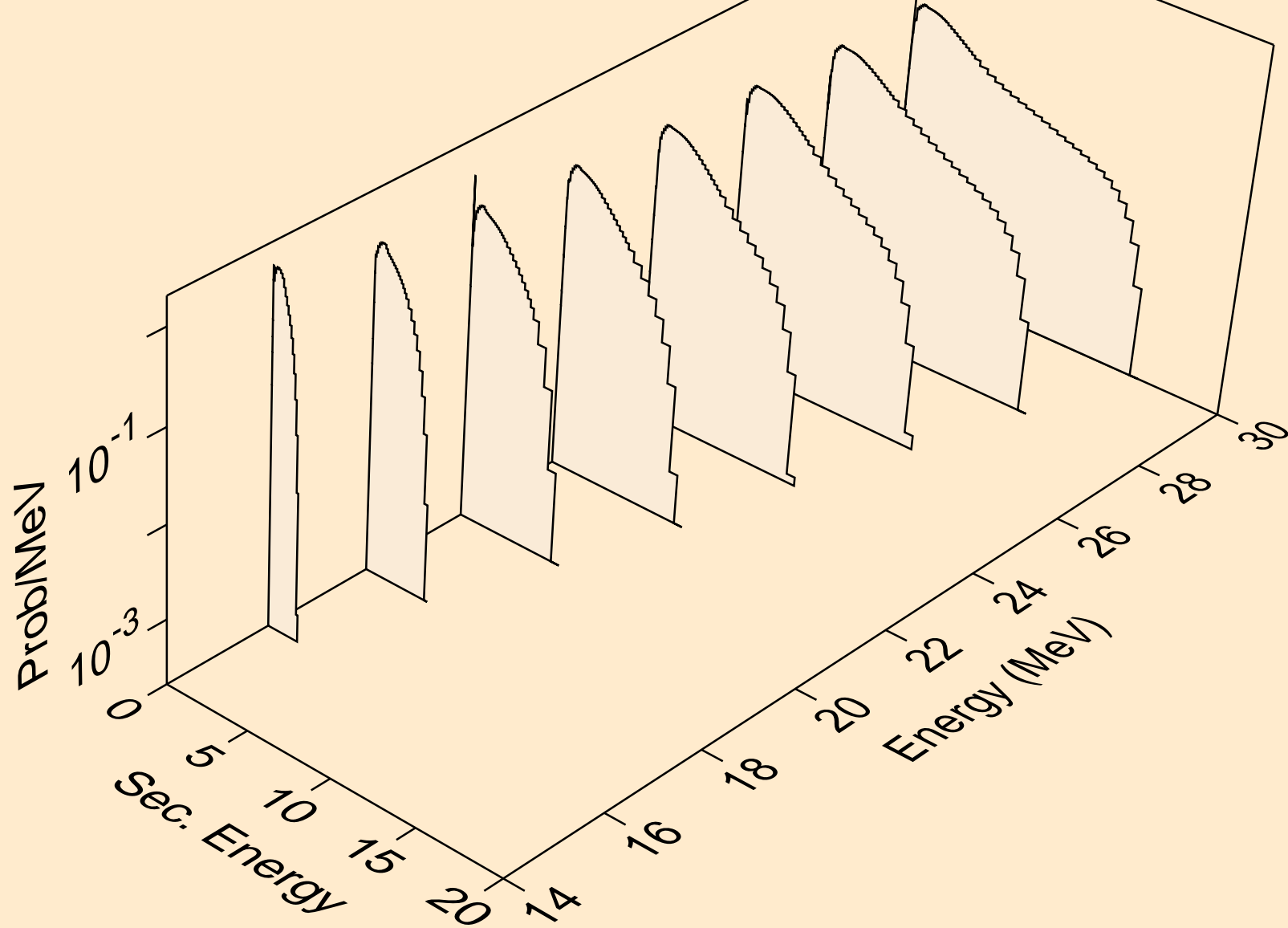
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Neutron emission for (n,2nd)



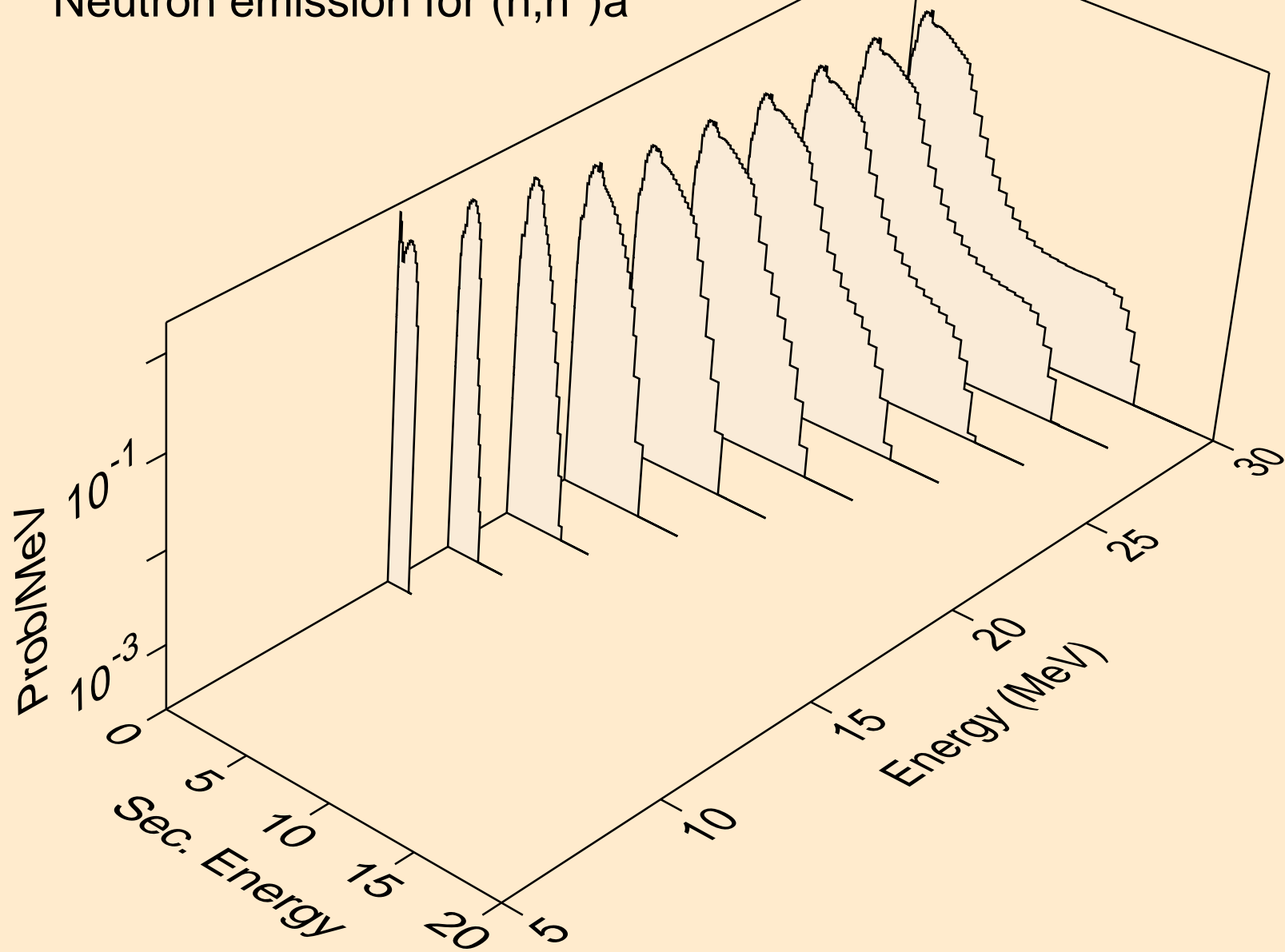
CL040 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)



CL040 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)

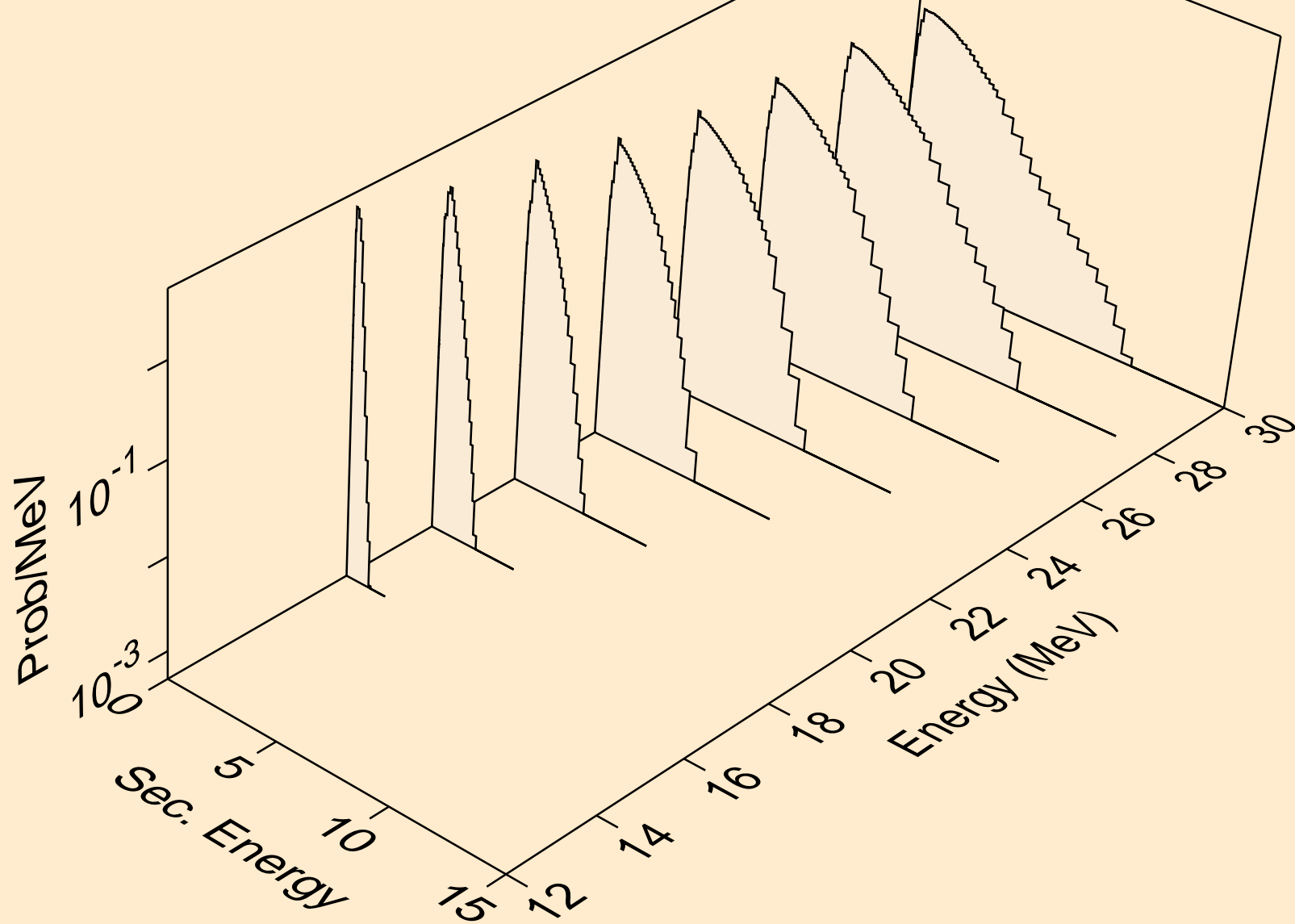


CL040 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a

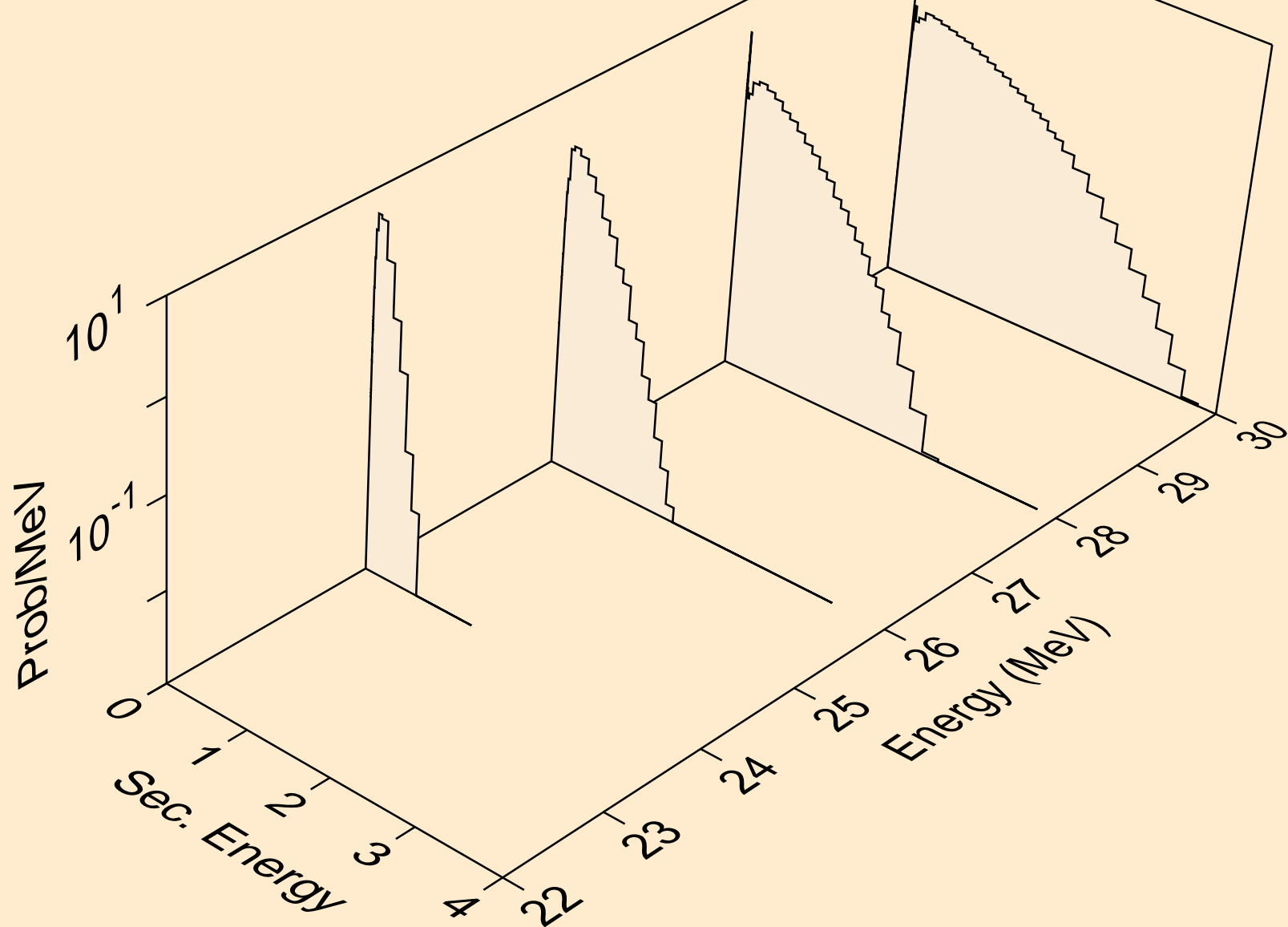




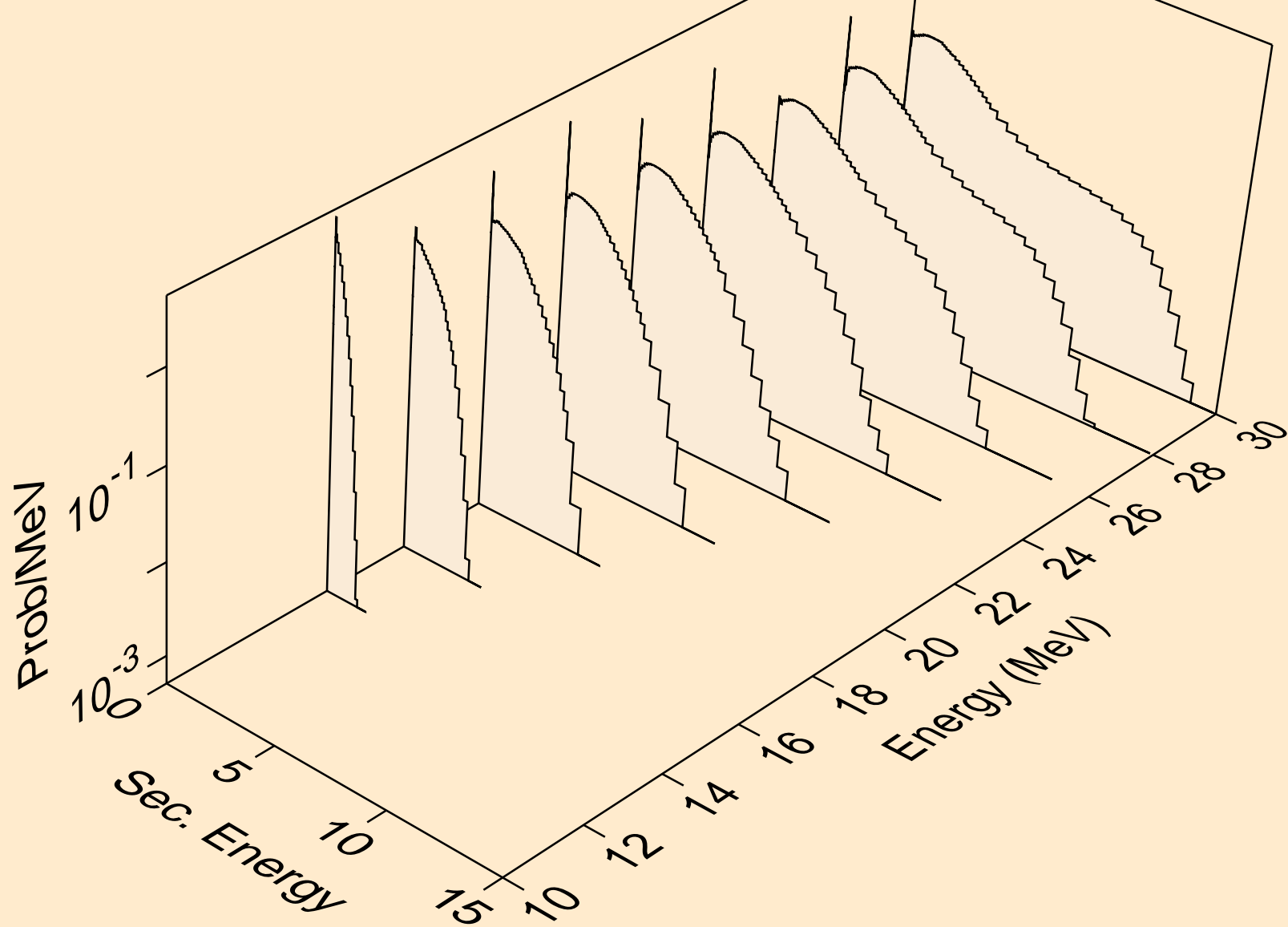
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Neutron emission for (n,2n)a



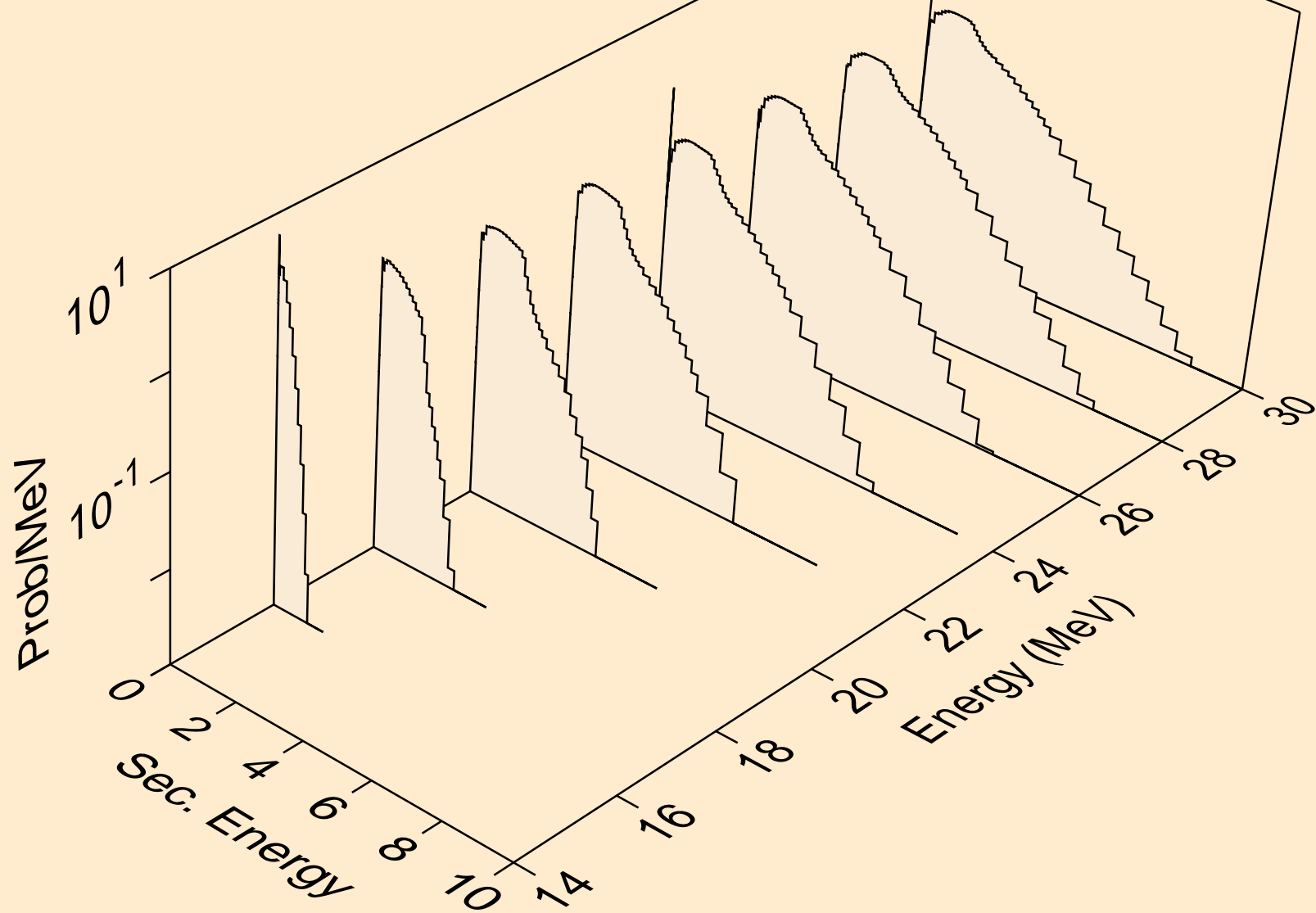
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Neutron emission for (n,3n)a



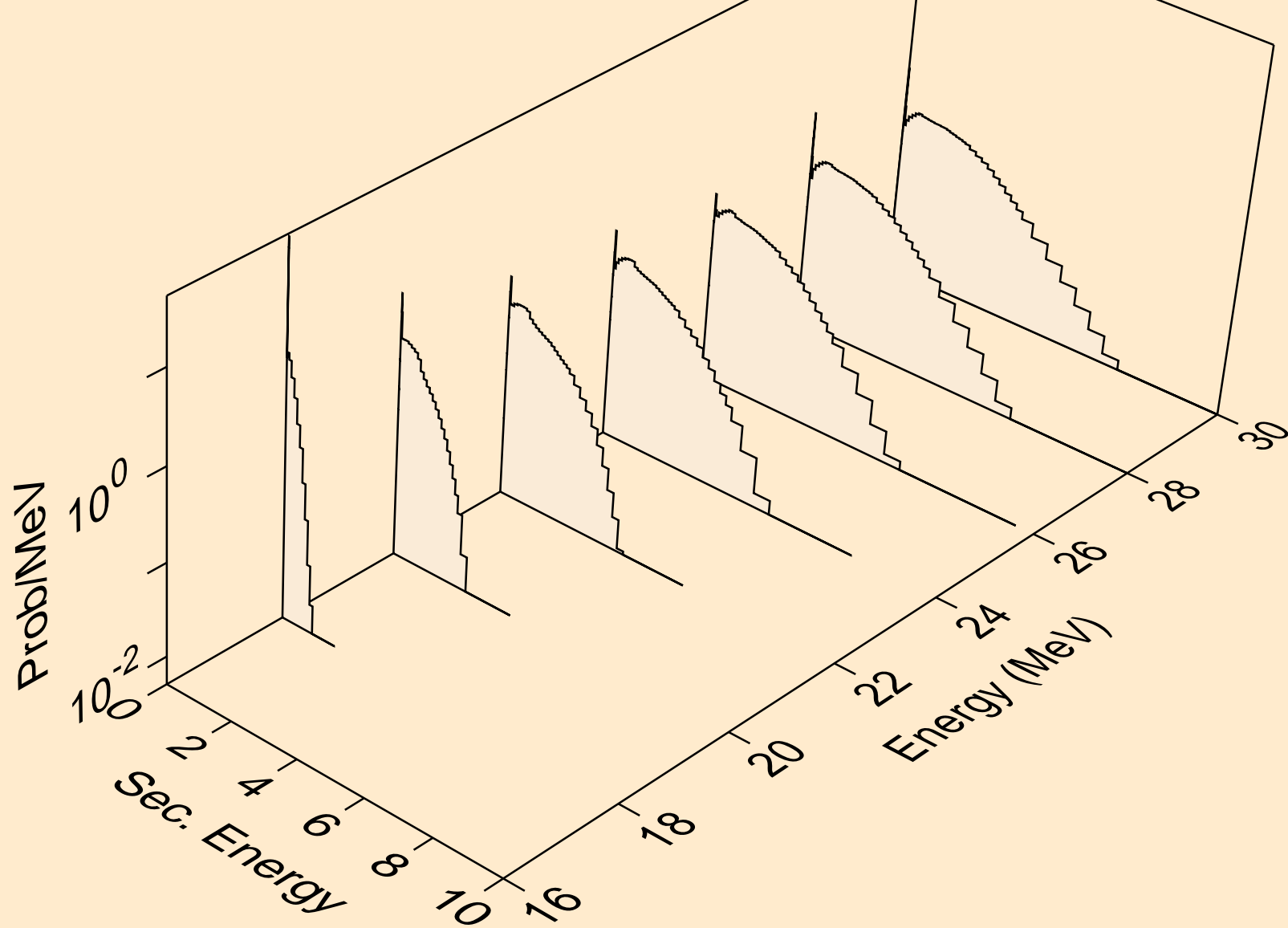
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Neutron emission for (n,n\*)p



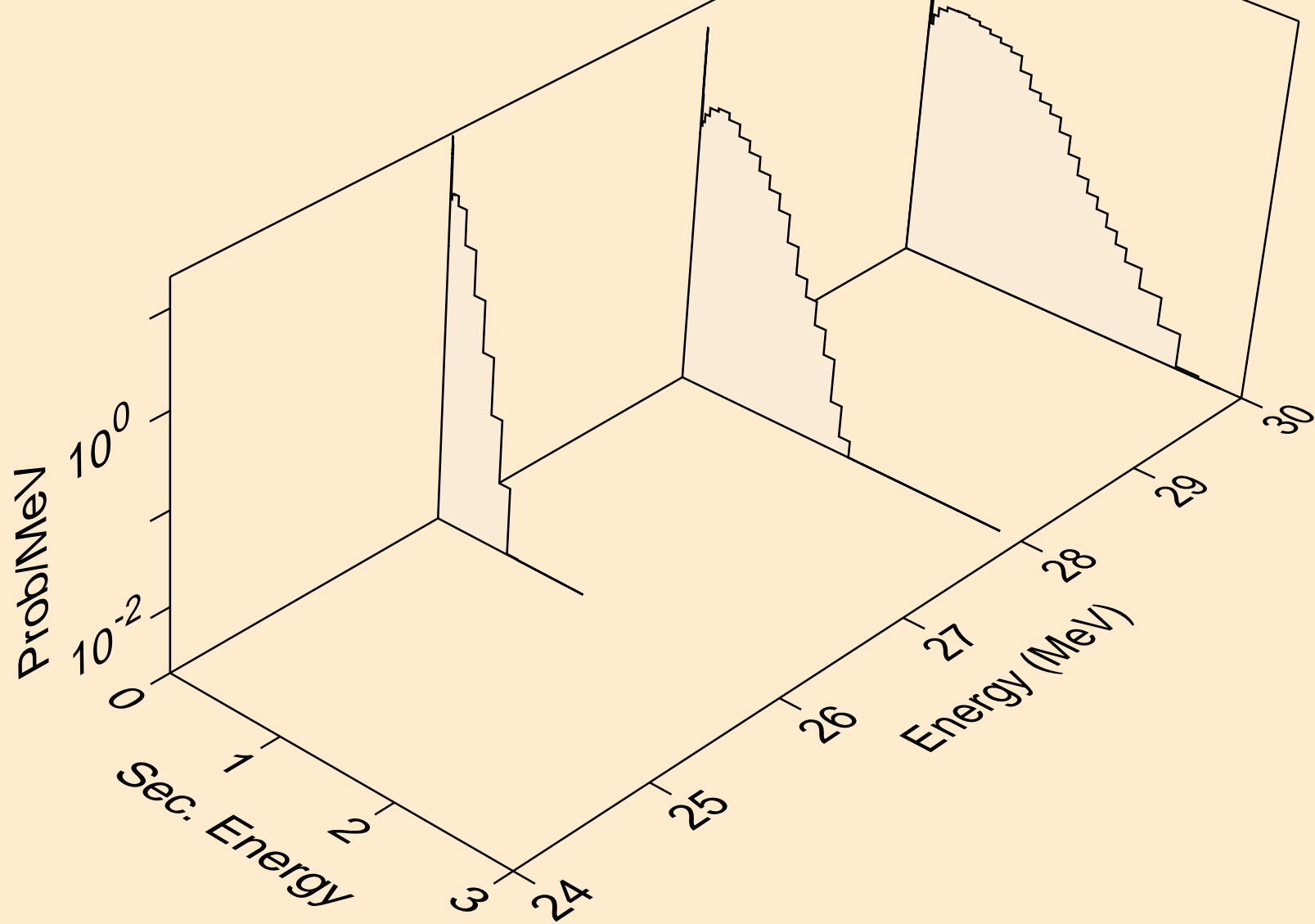
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Neutron emission for (n,n\*)d



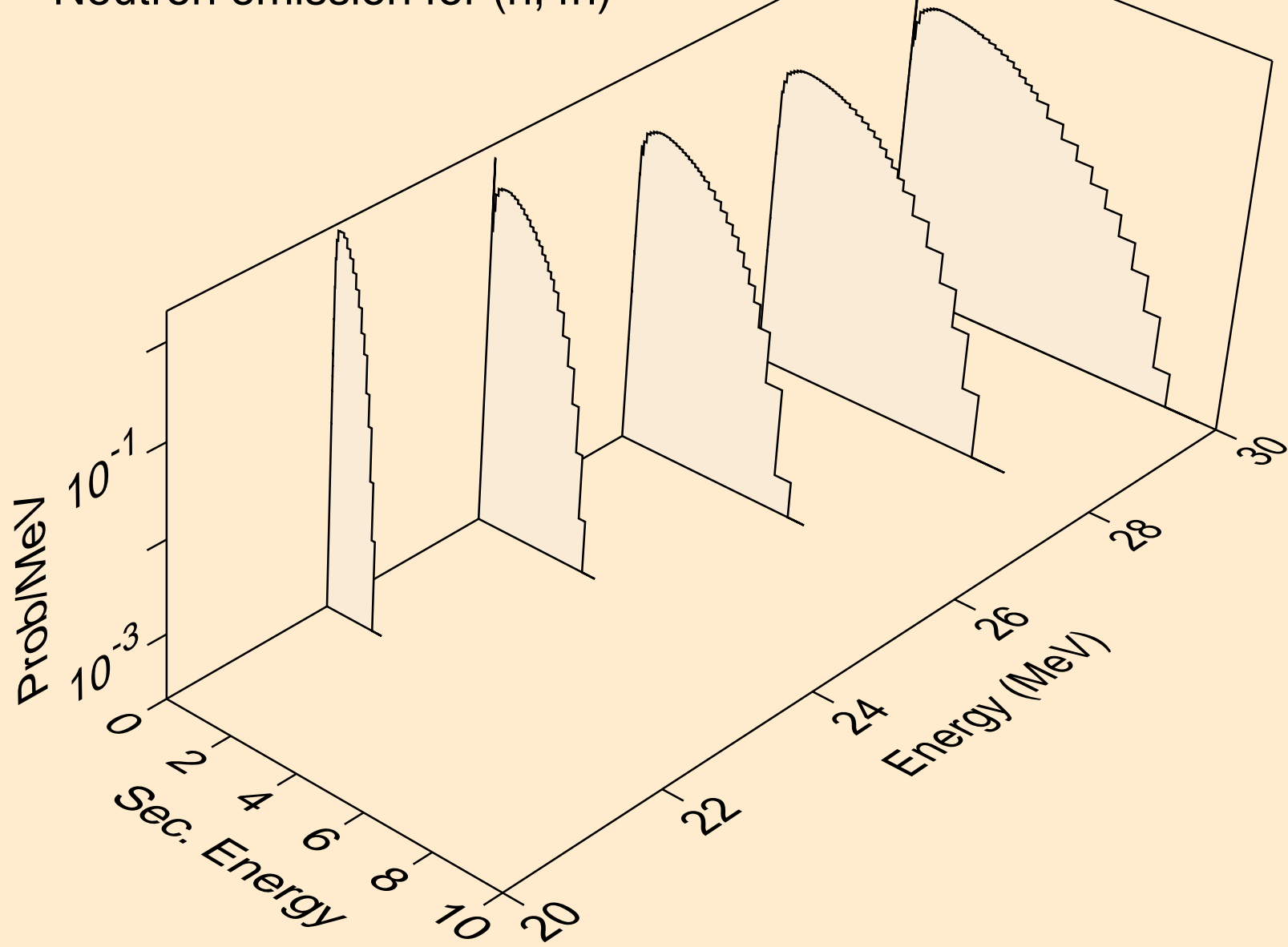
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Neutron emission for (n,n\*)t



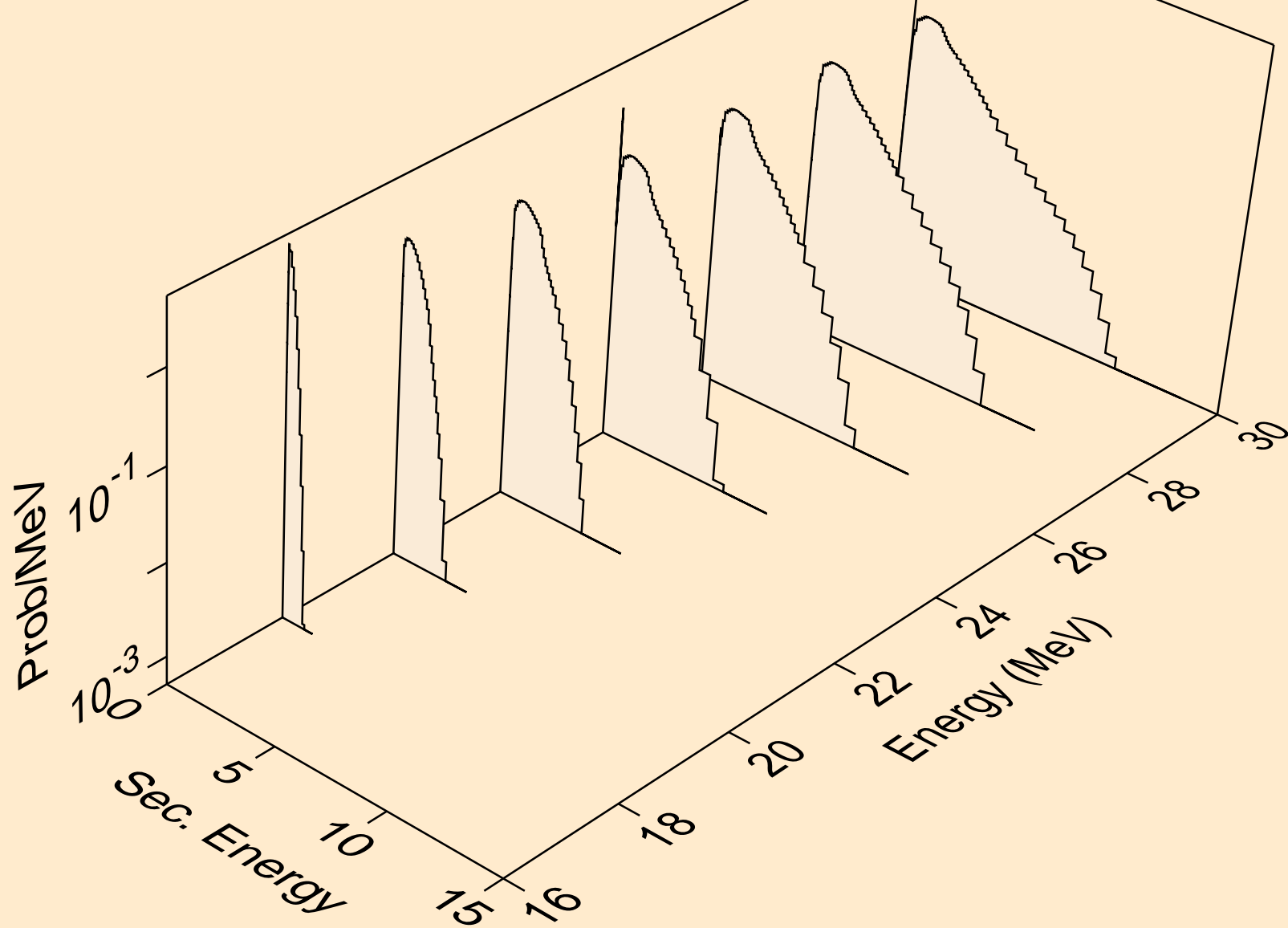
CL040 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



CL040 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,4n)

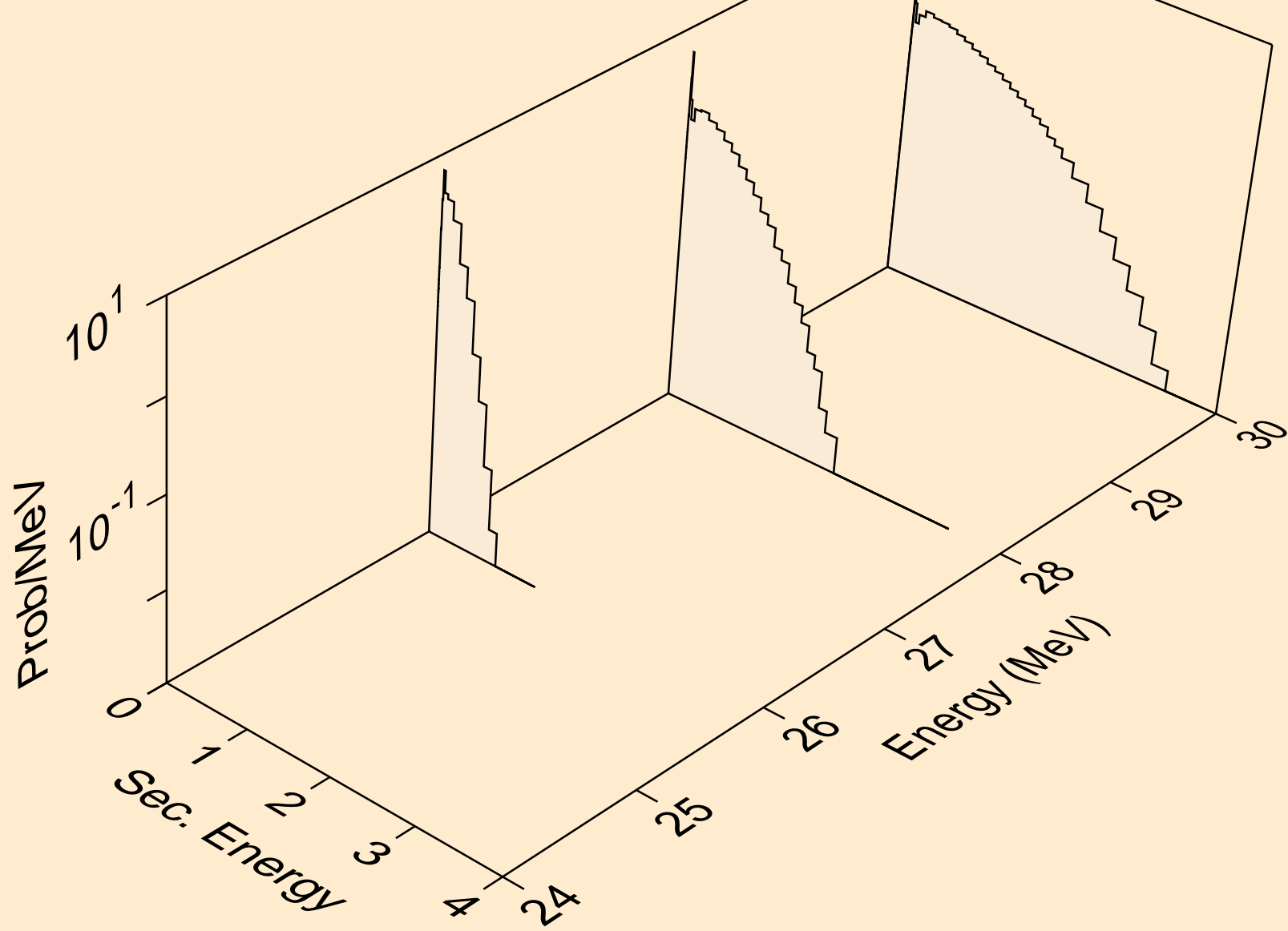


CL040 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2np)

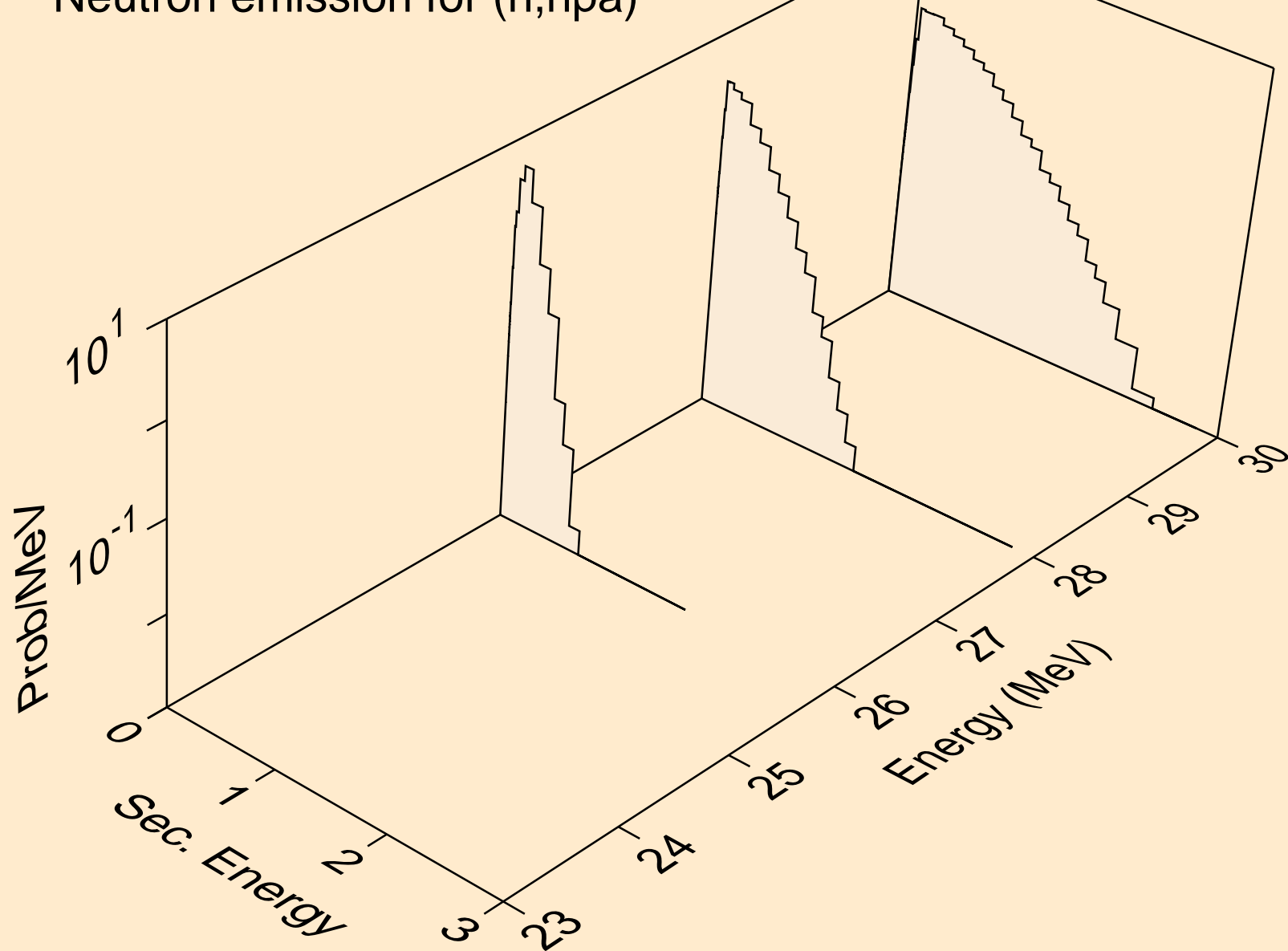




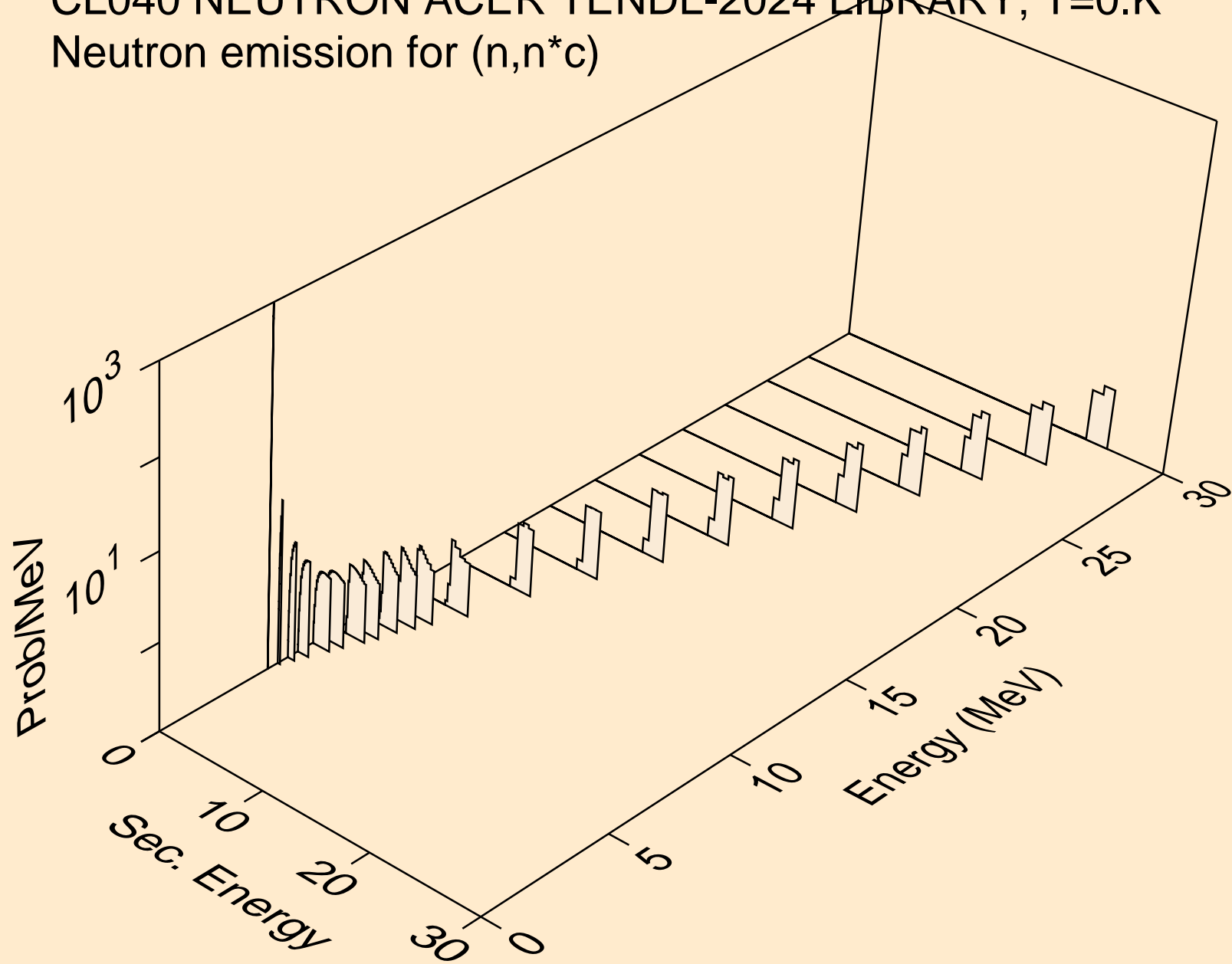
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Neutron emission for (n,3np)



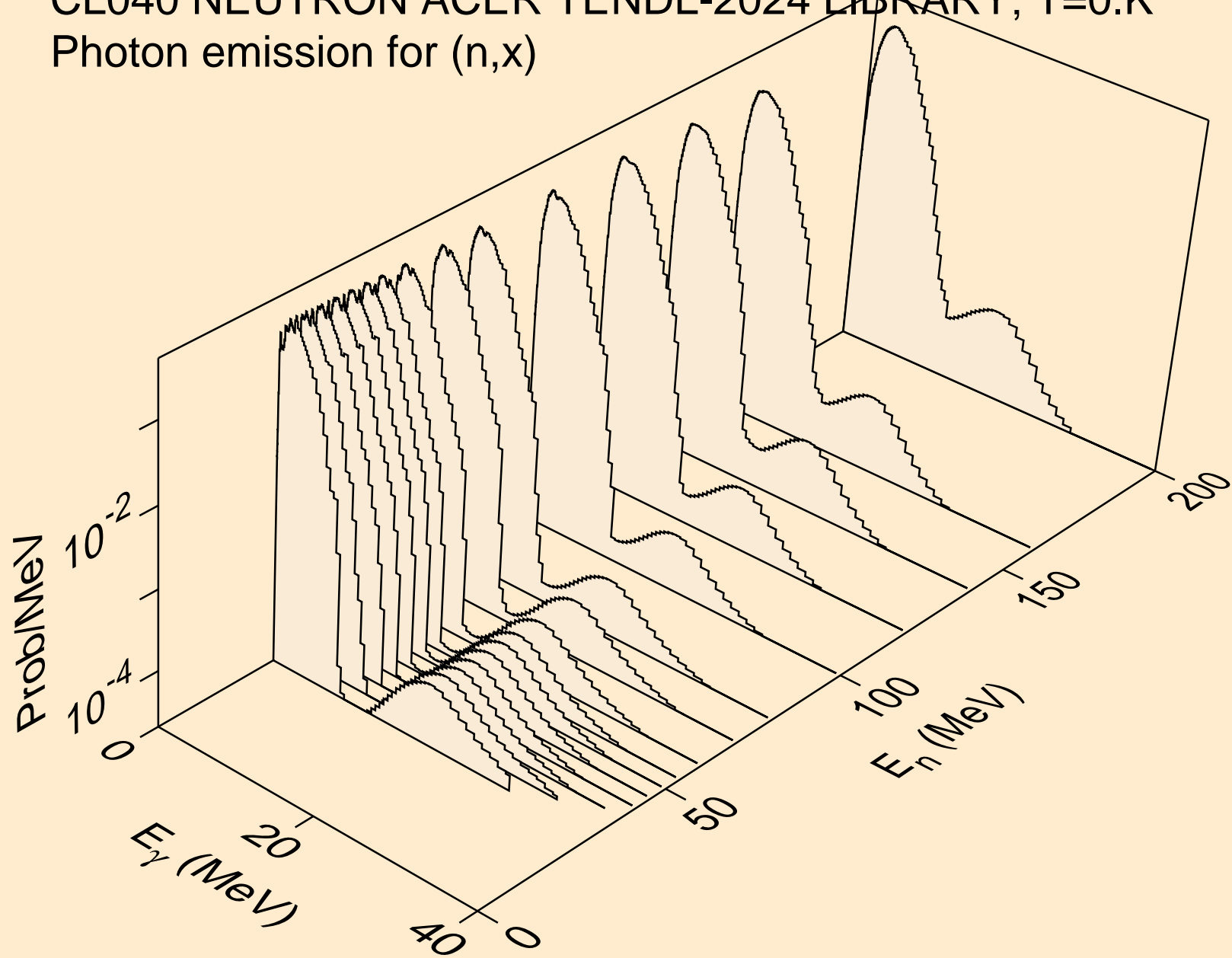
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Neutron emission for (n,npa)



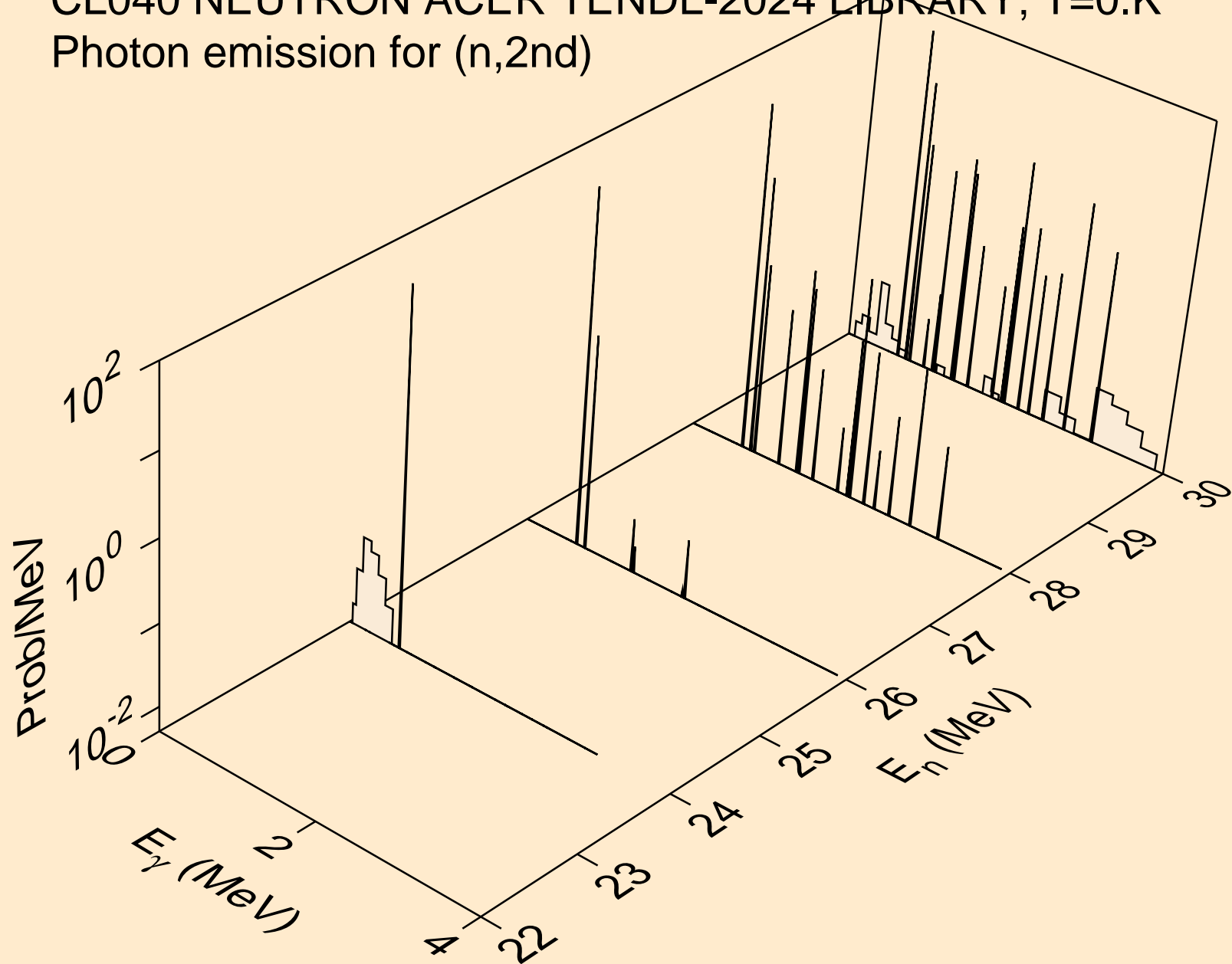
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Neutron emission for (n,n\*c)



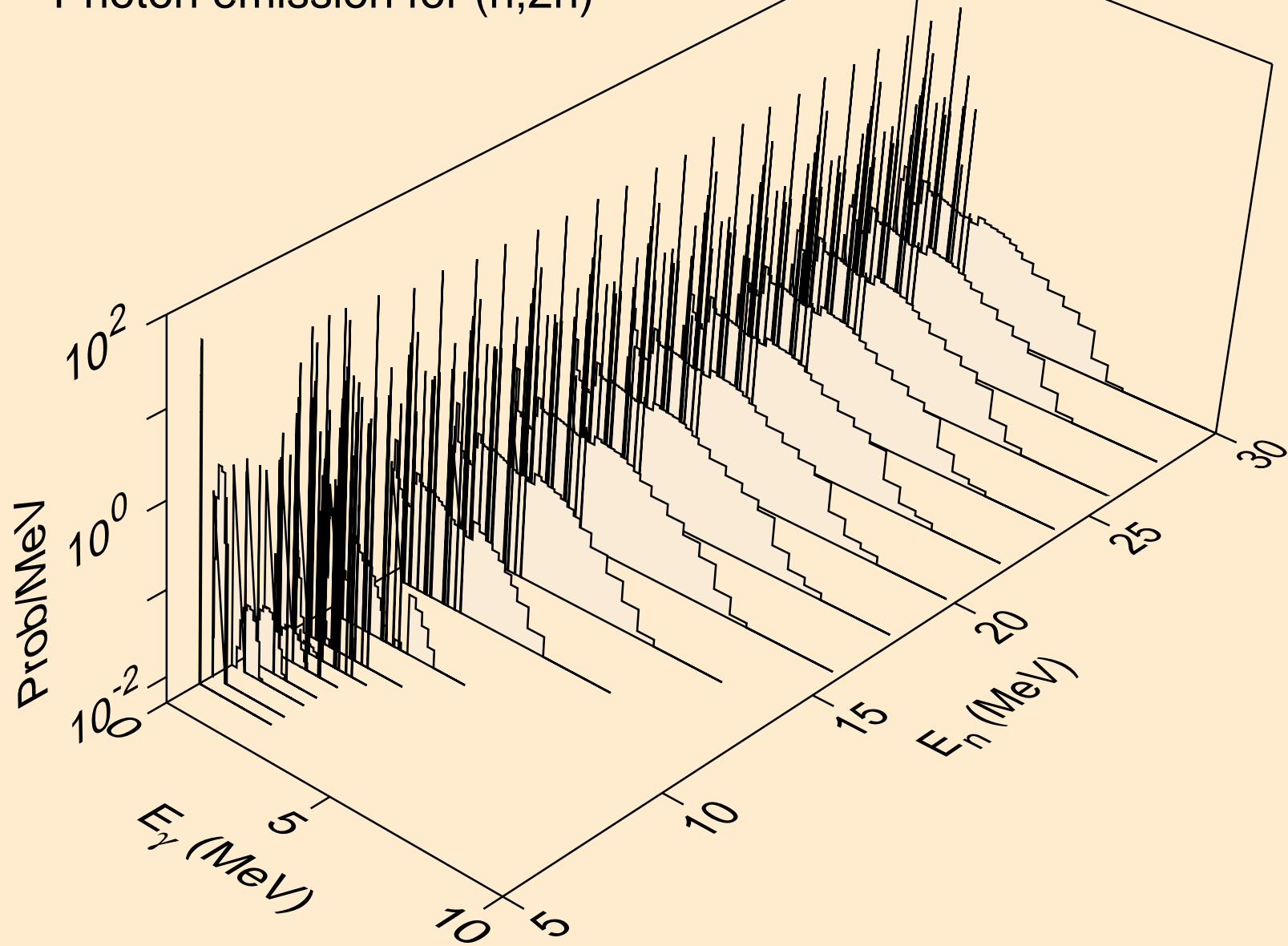
CL040 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,x)



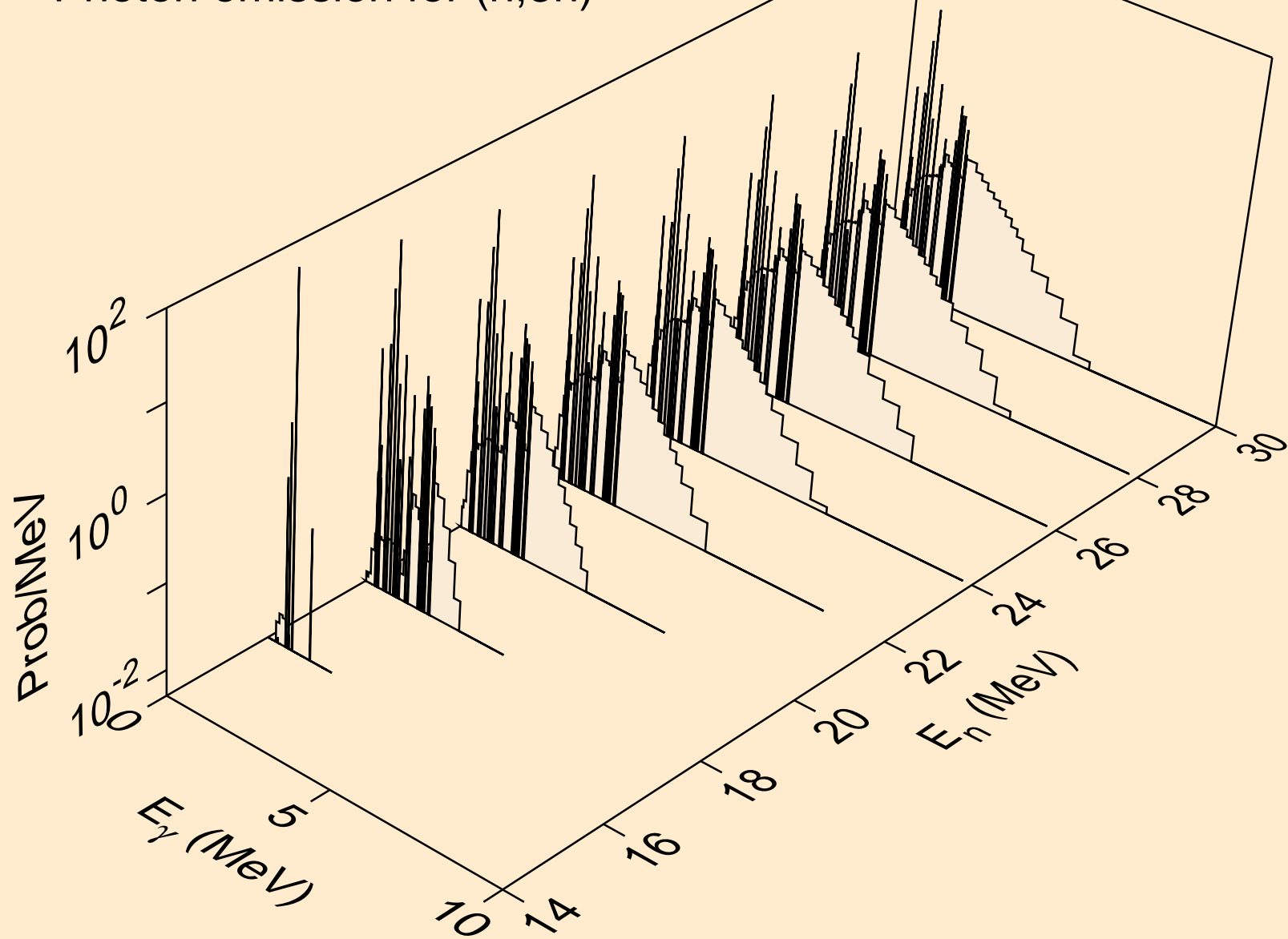
CL040 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2nd)



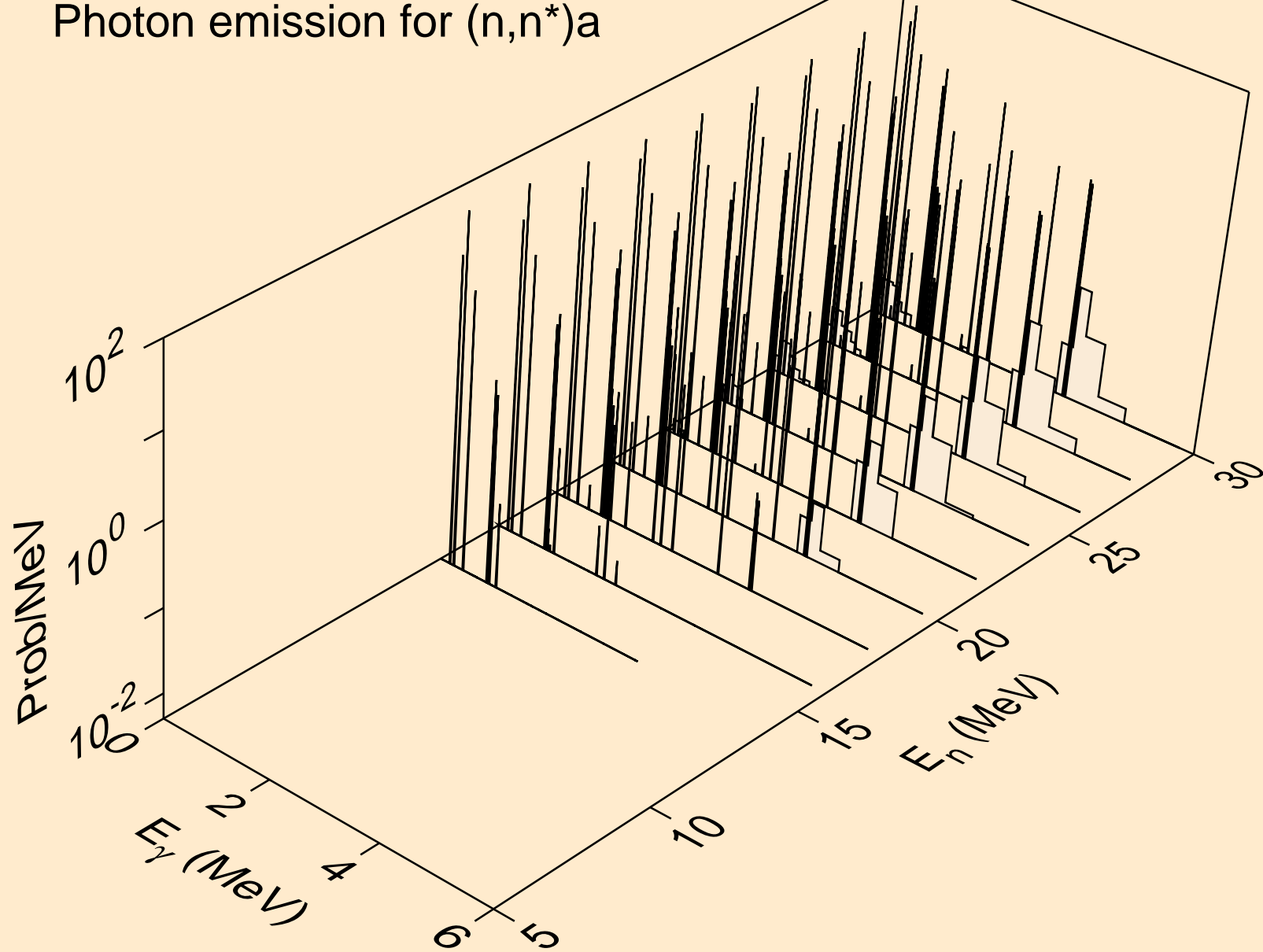
CL040 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)



CL040 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)

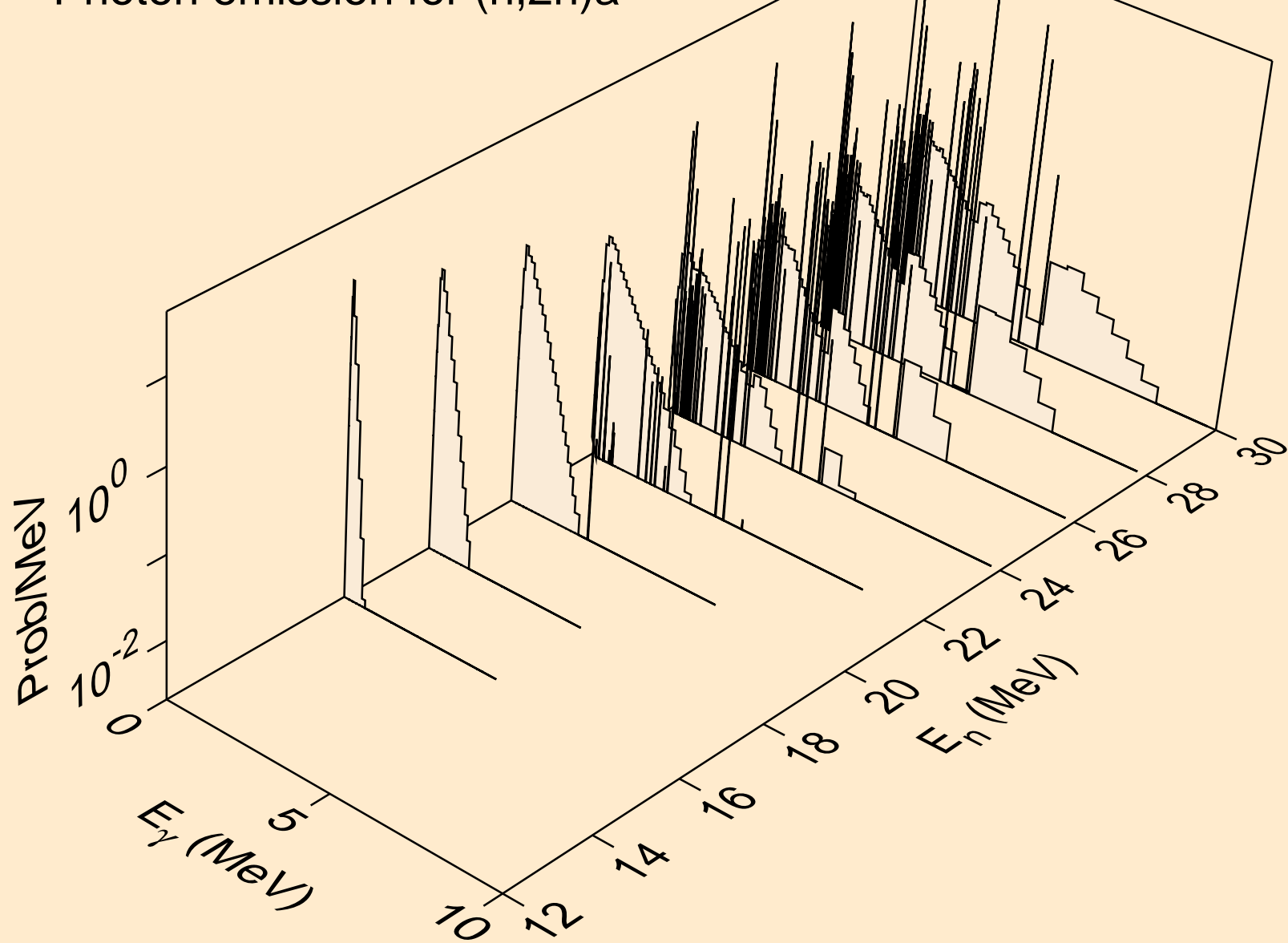


CL040 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)a

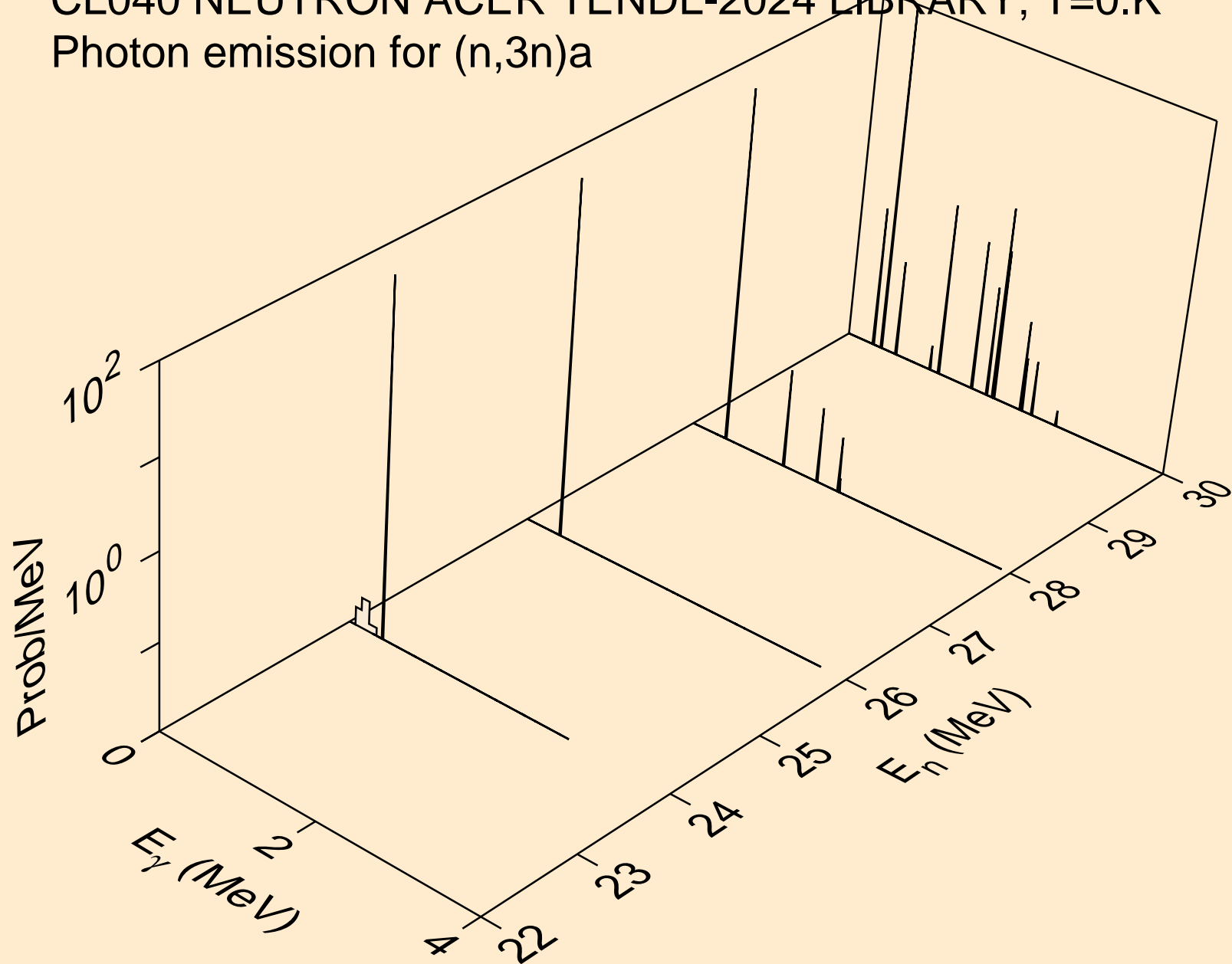




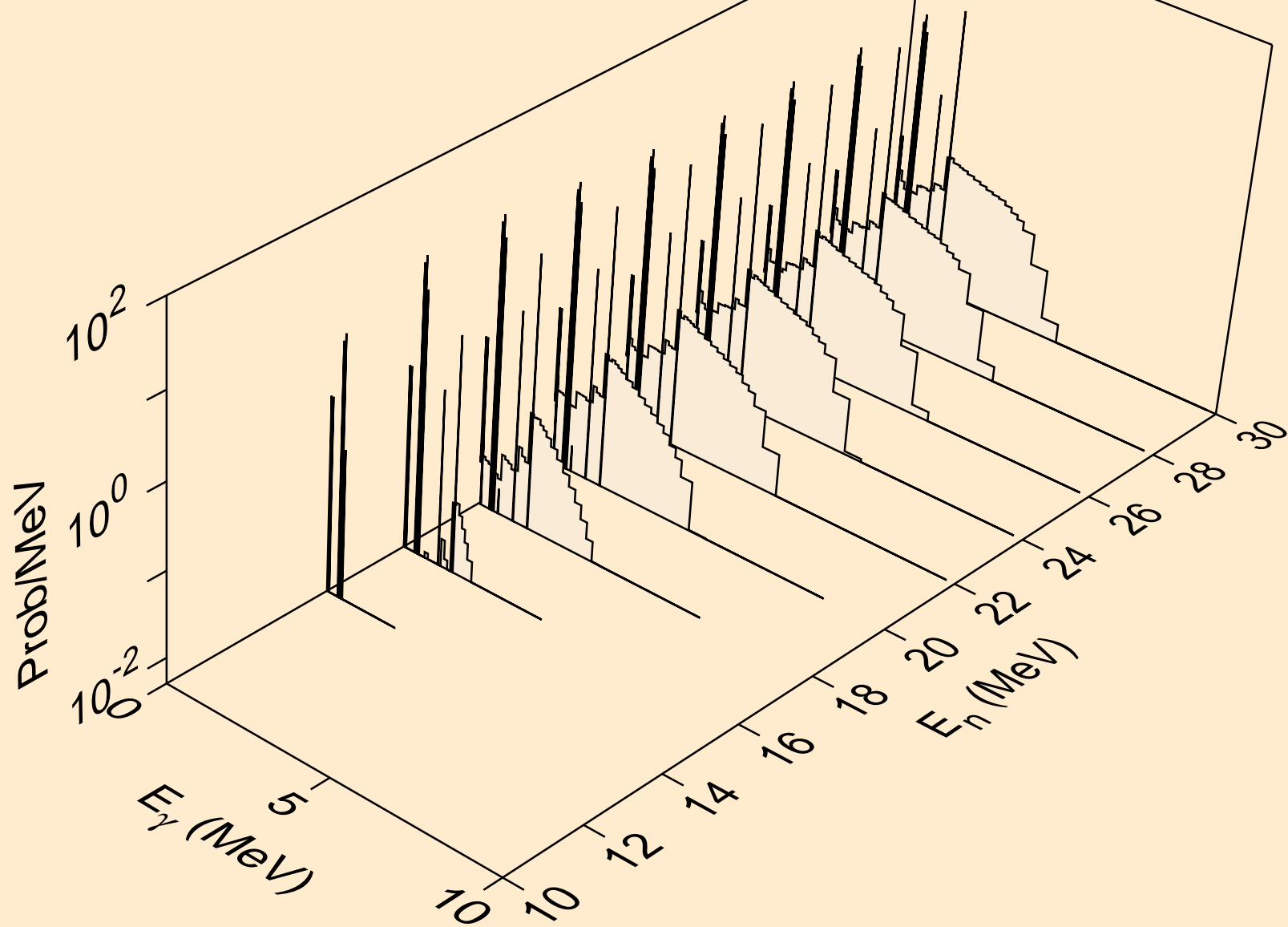
CL040 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)a



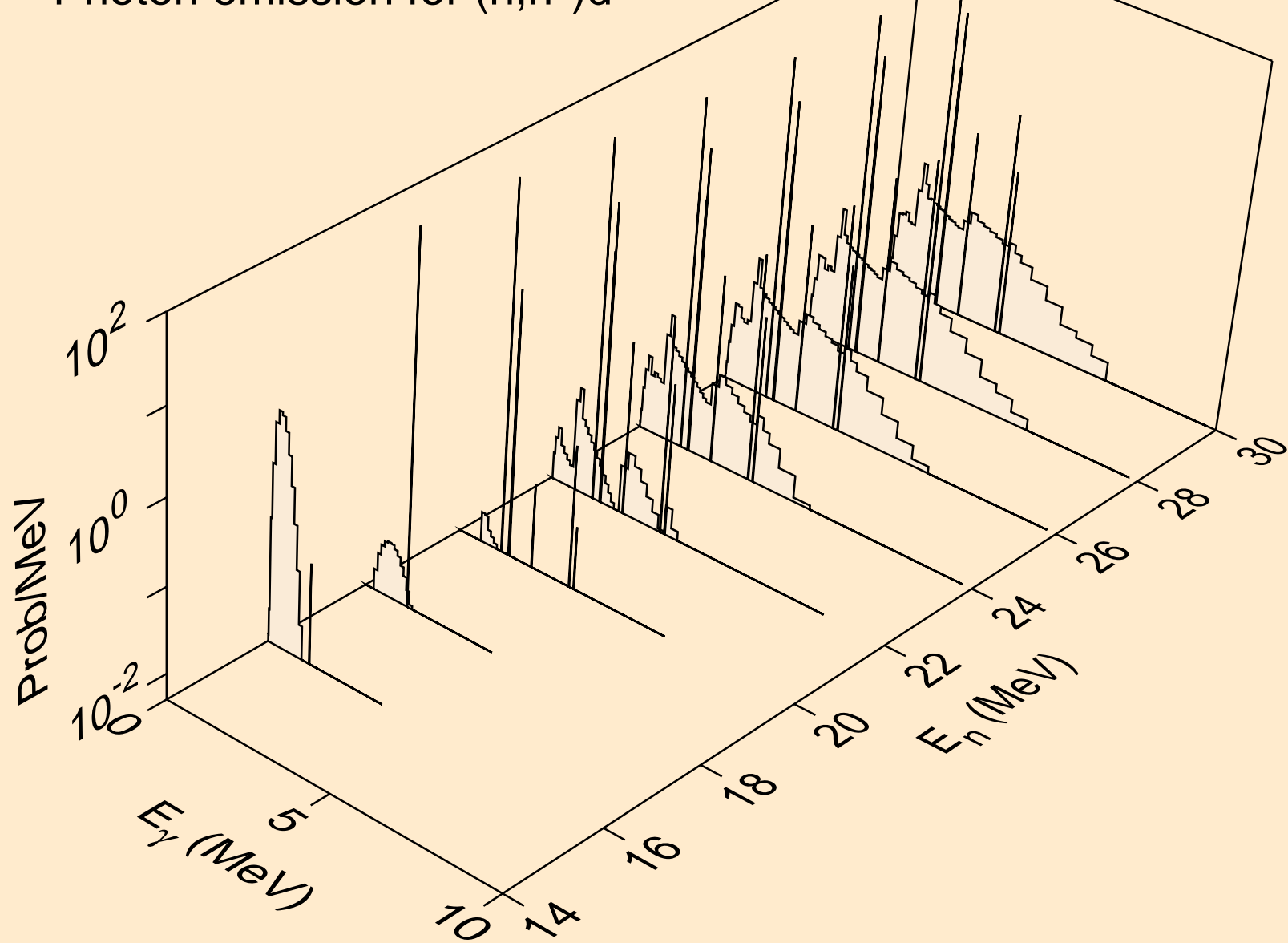
CL040 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)a



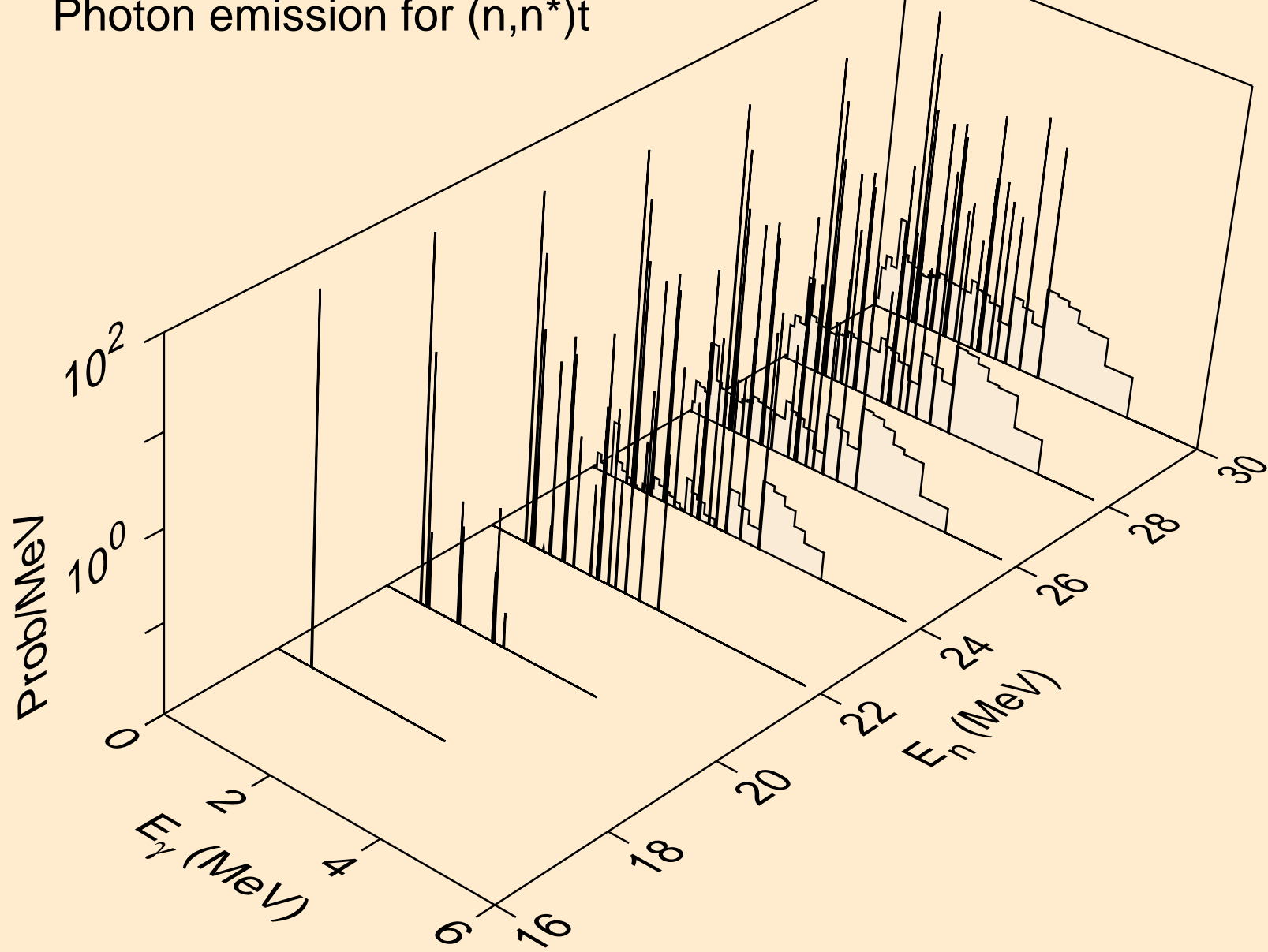
CL040 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



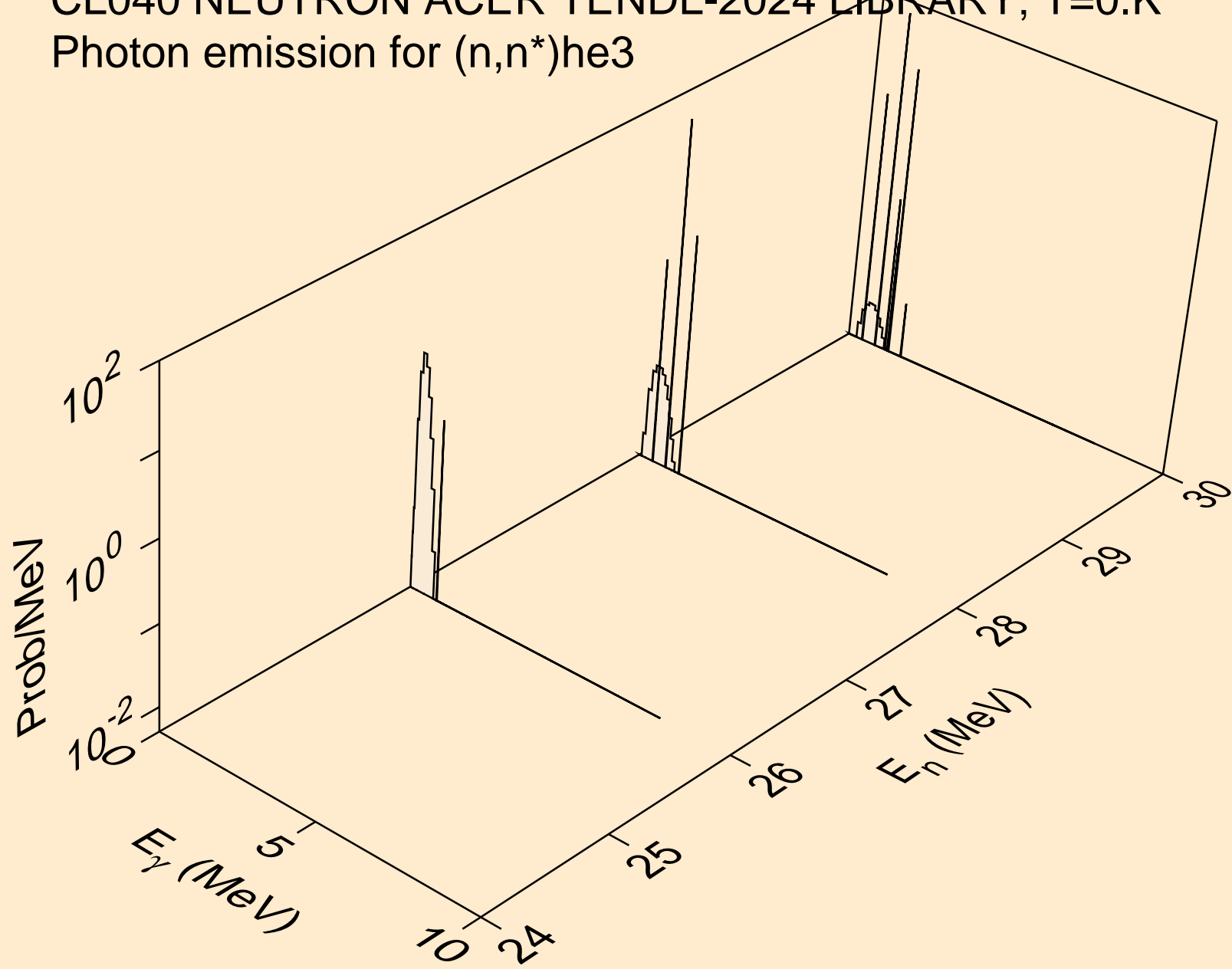
CL040 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



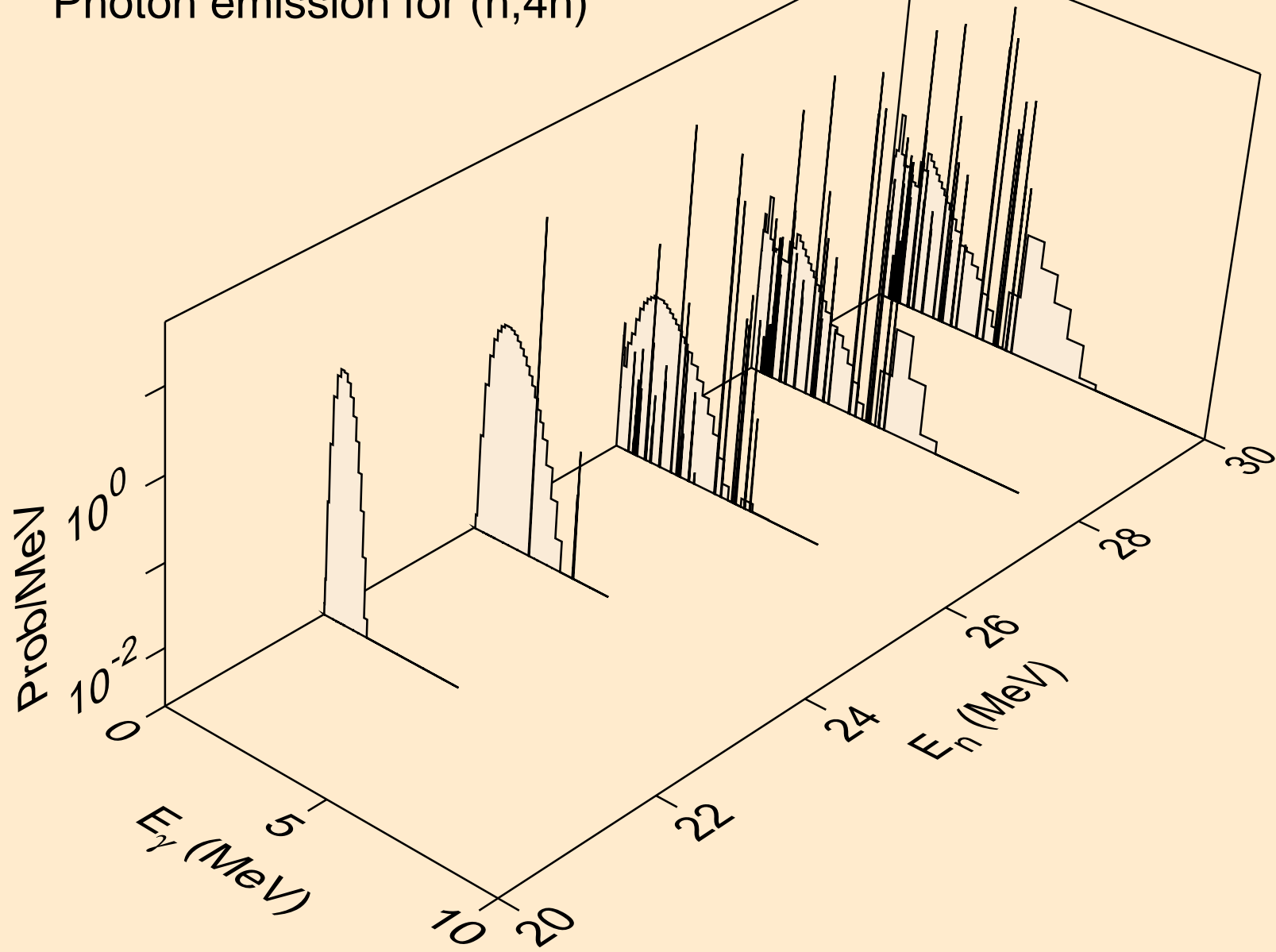
CL040 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



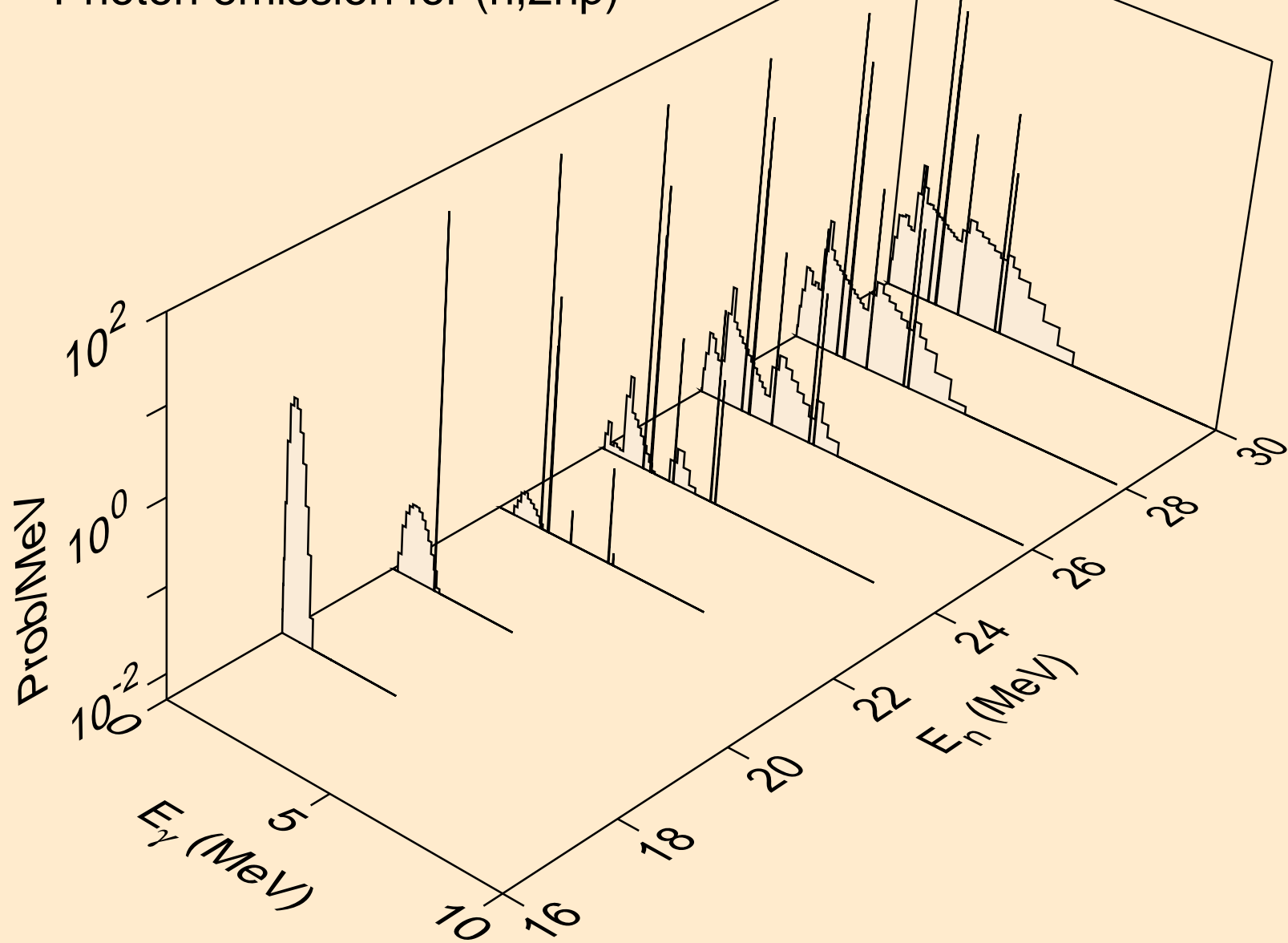
CL040 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



CL040 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,4n)

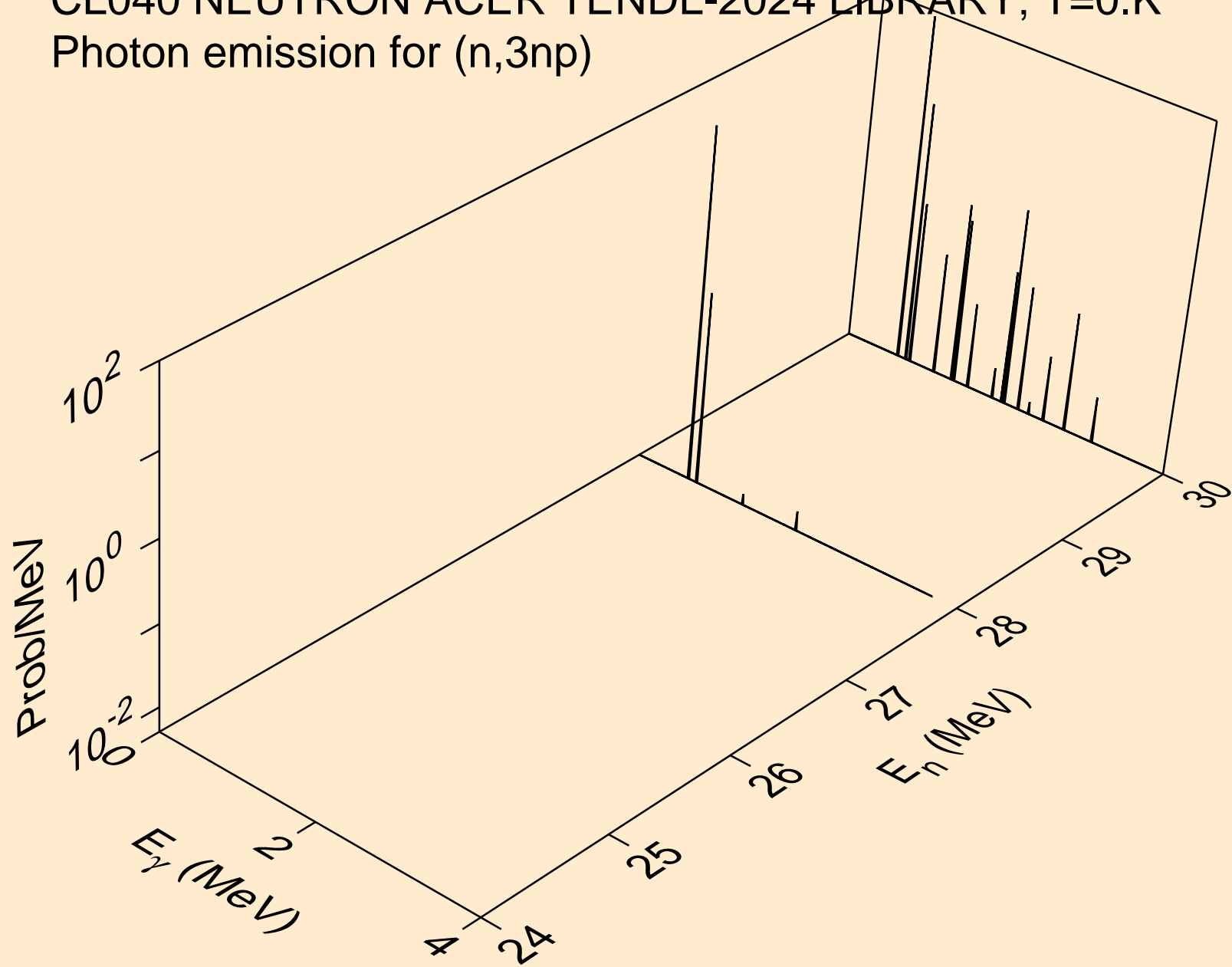


CL040 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2np)

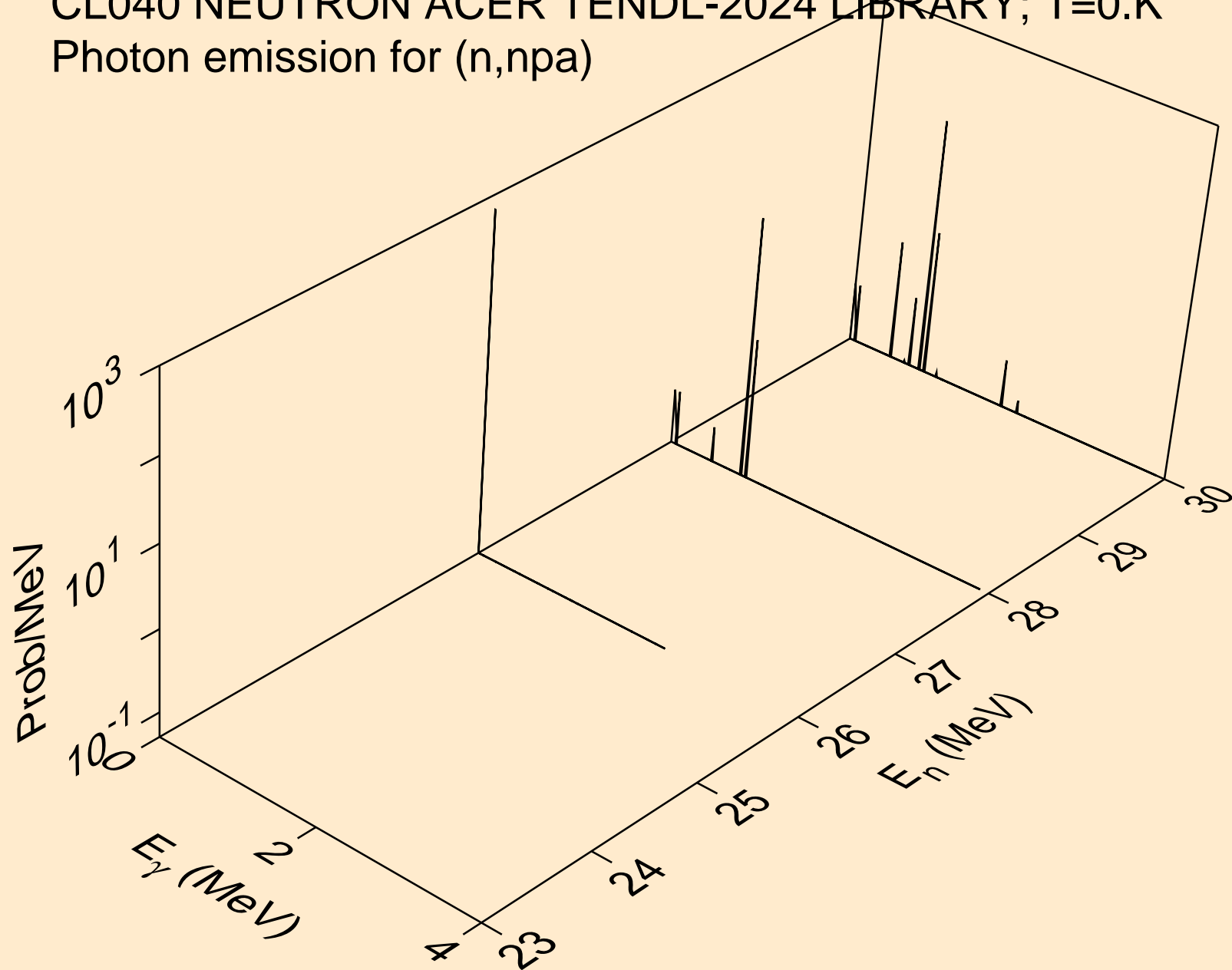




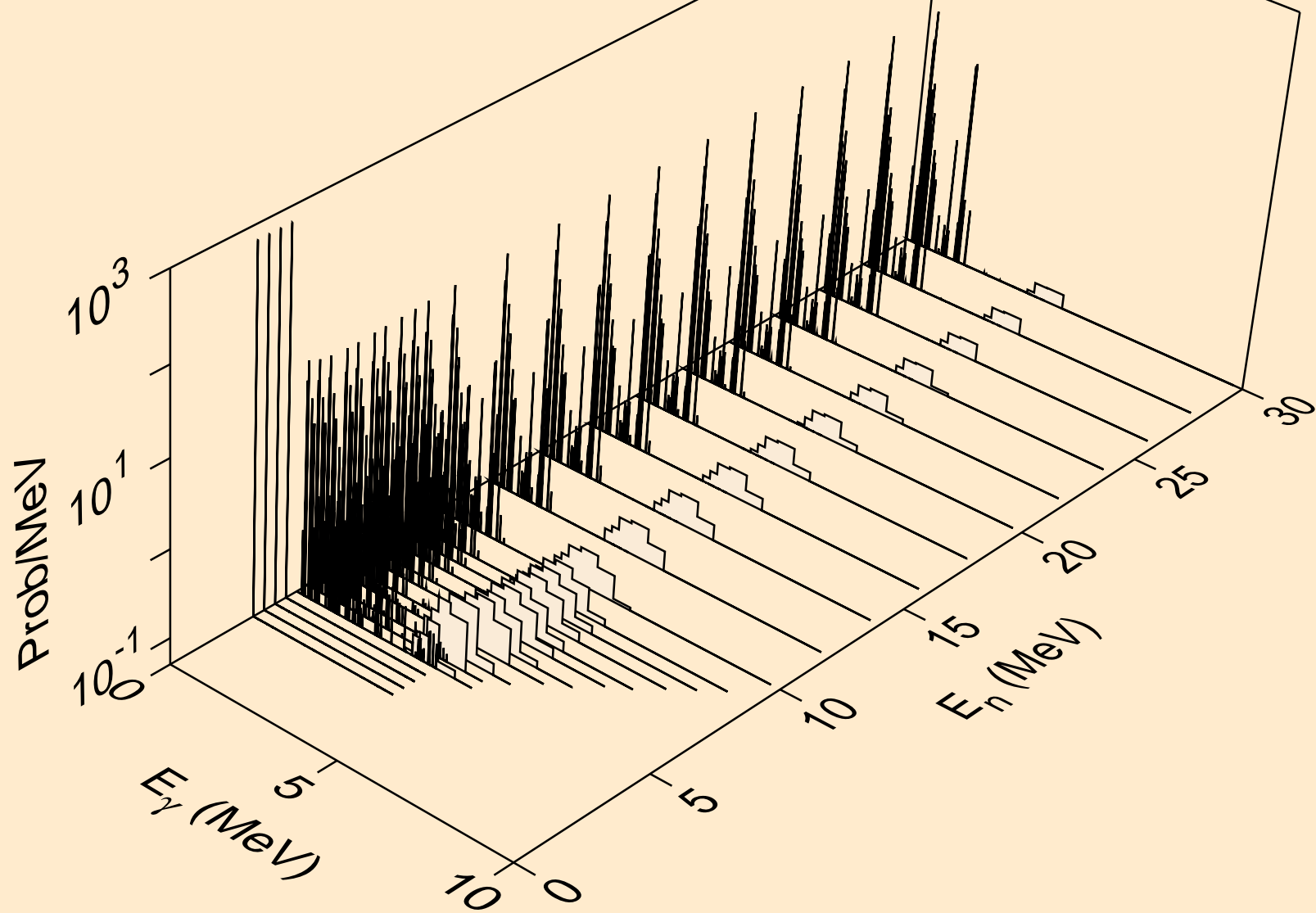
CL040 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3np)



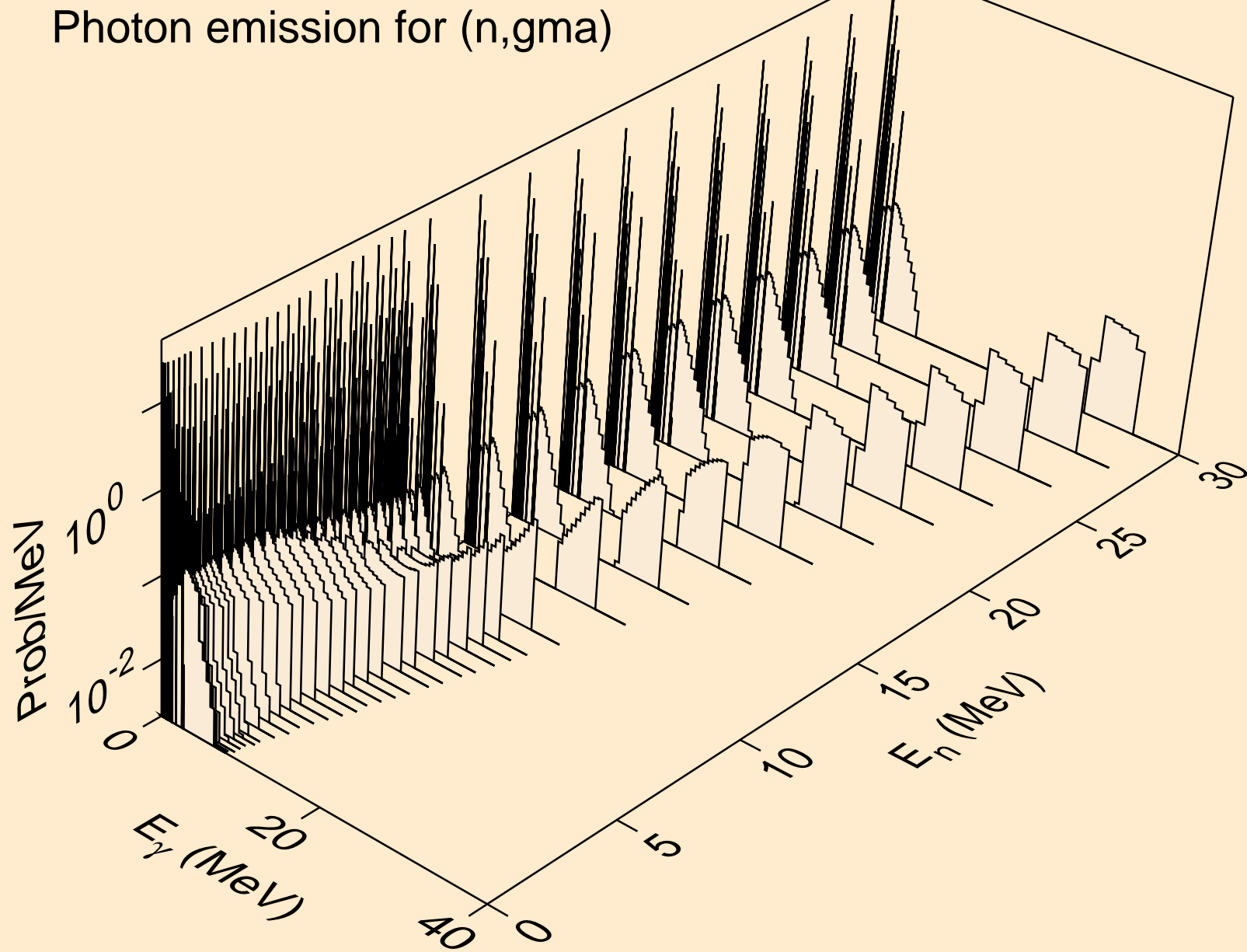
CL040 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,npa)



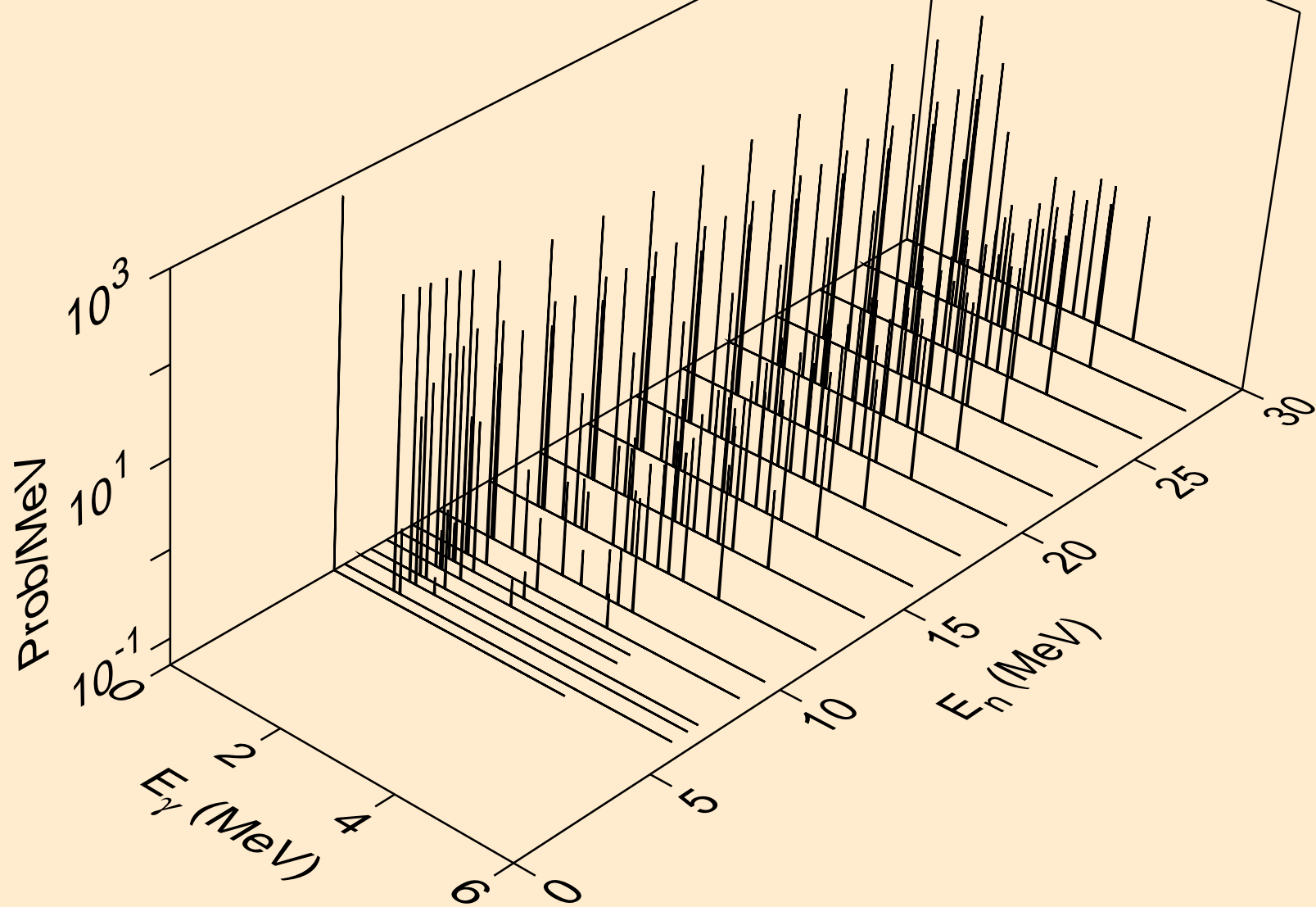
CL040 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*c)



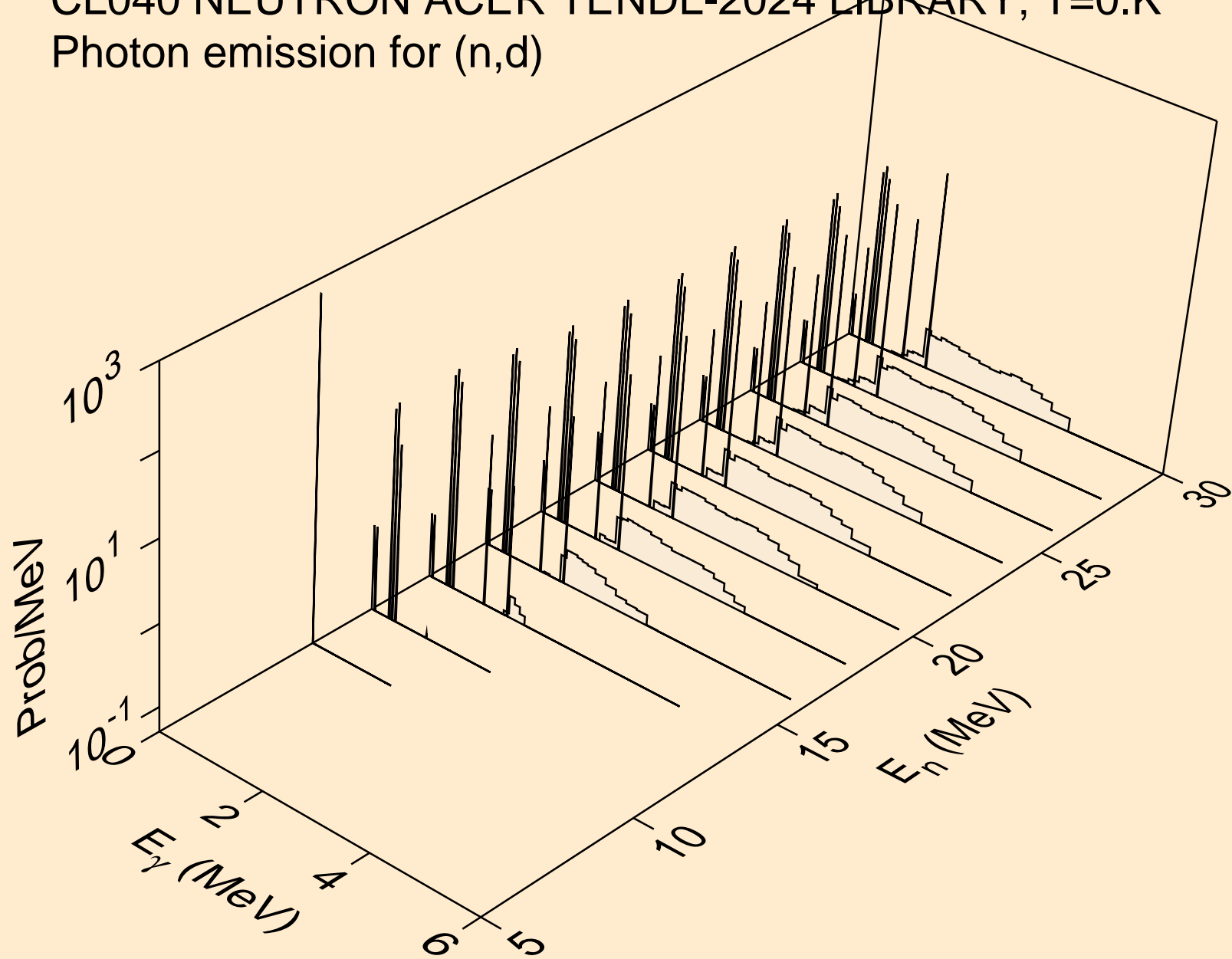
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Photon emission for (n,gma)



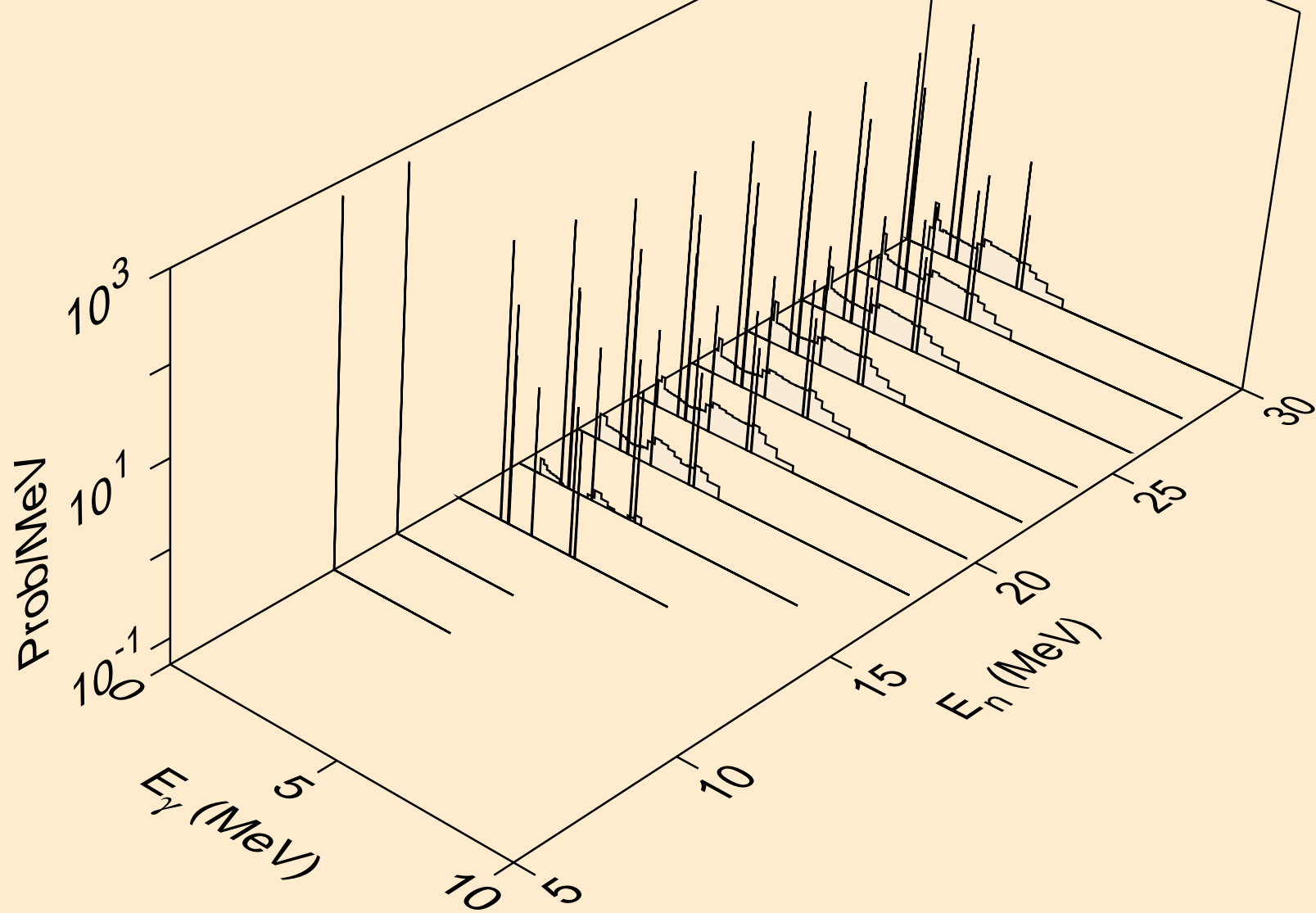
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Photon emission for (n,p)



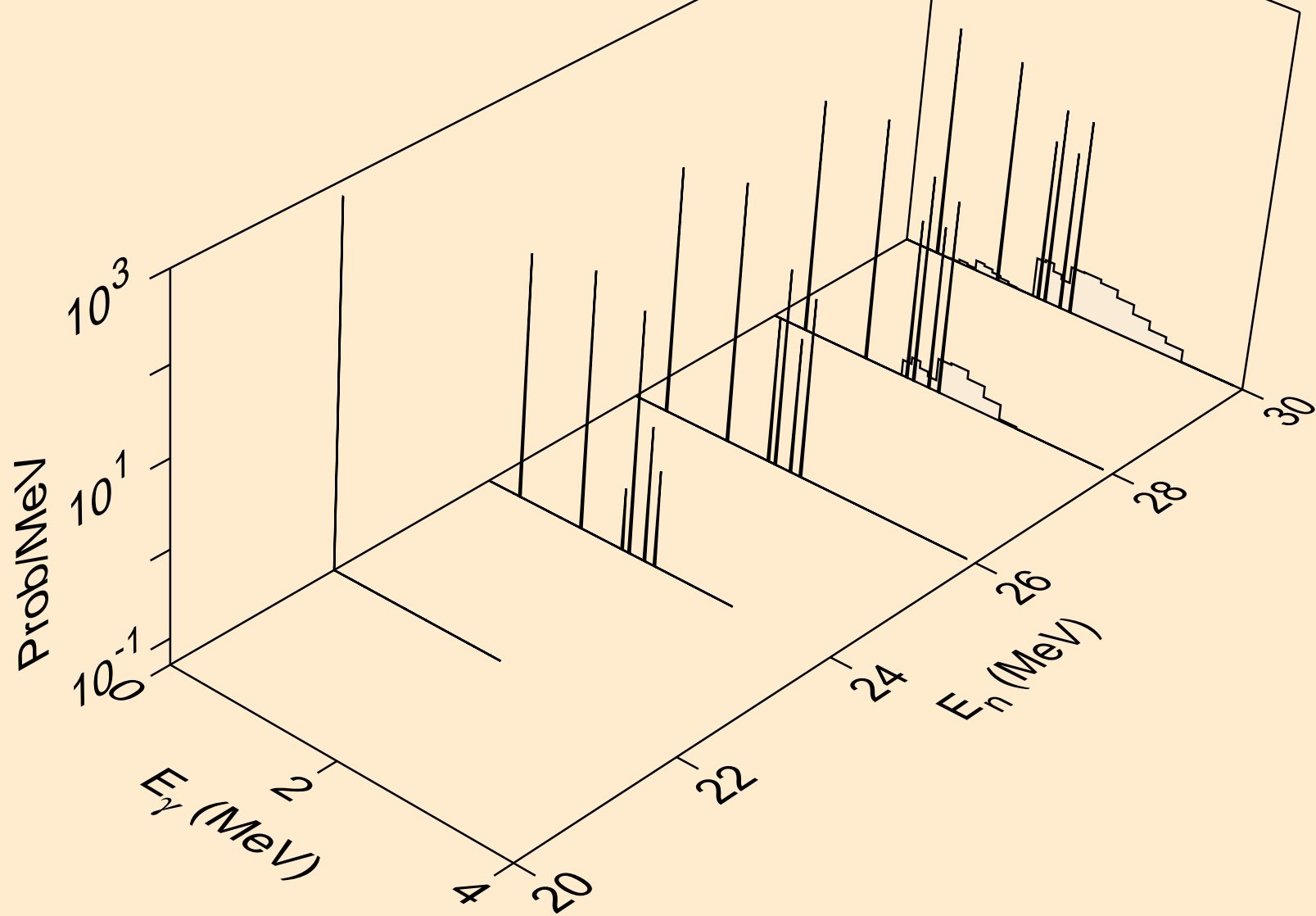
CL040 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,d)



CL040 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,t)

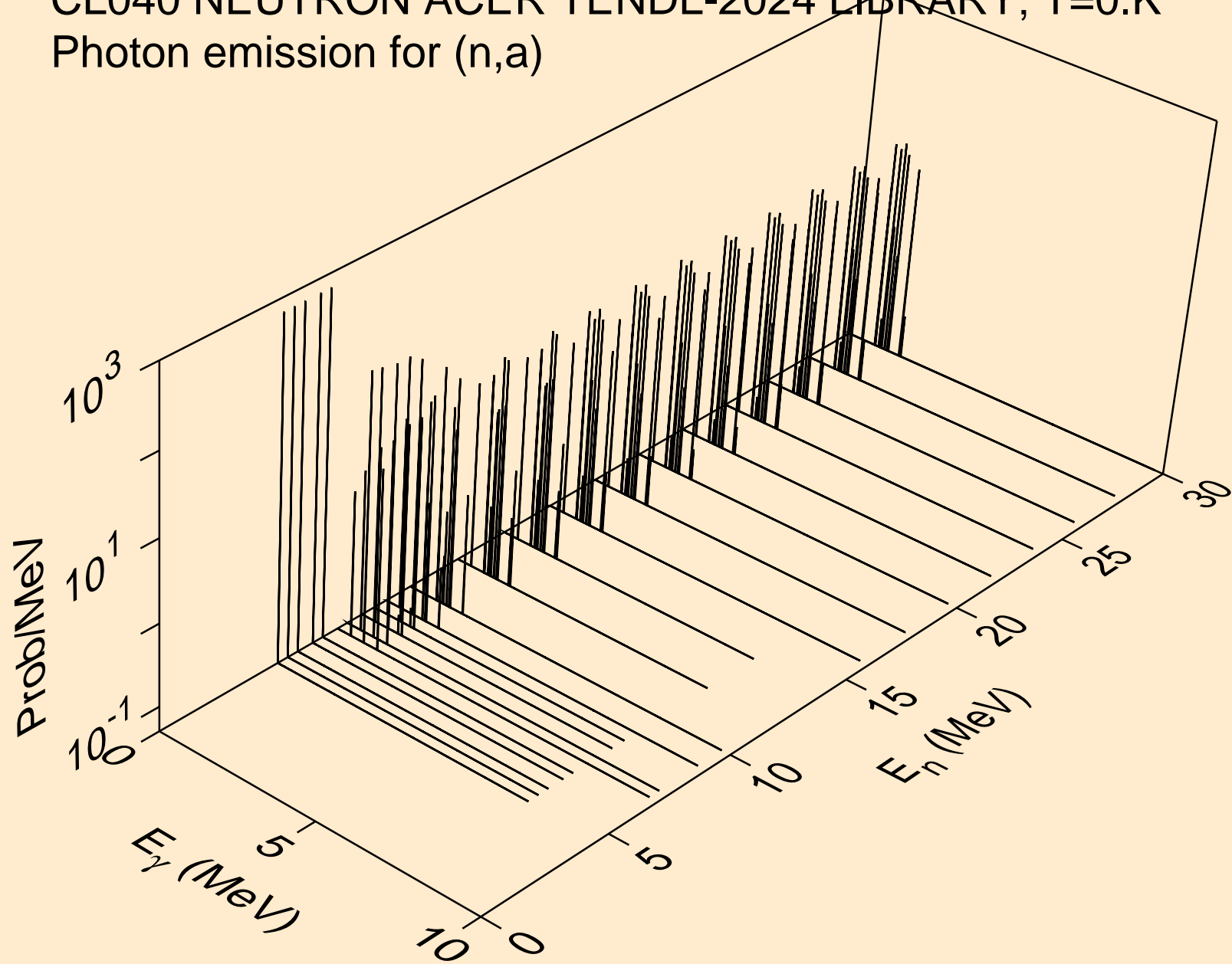


CL040 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,he3)

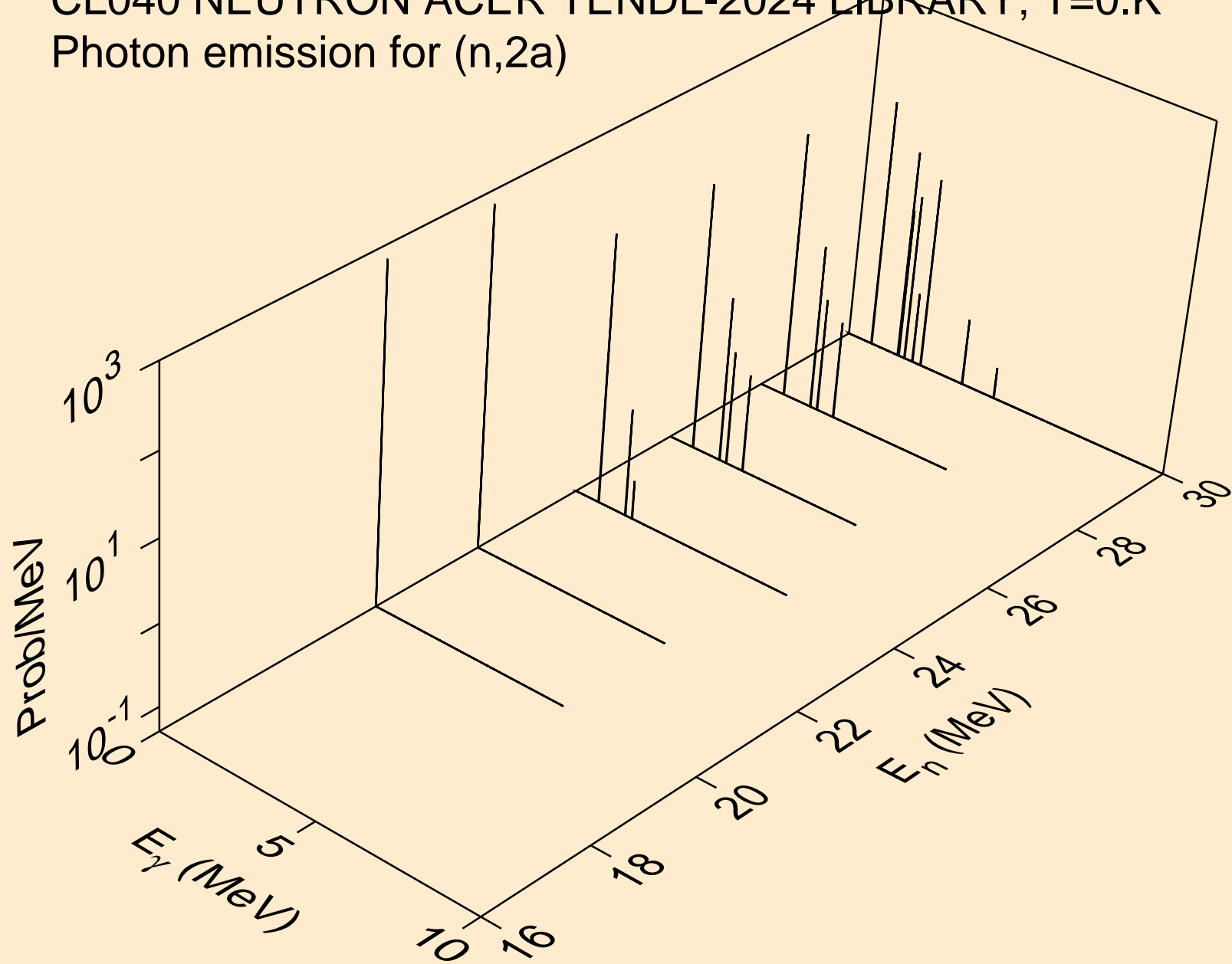




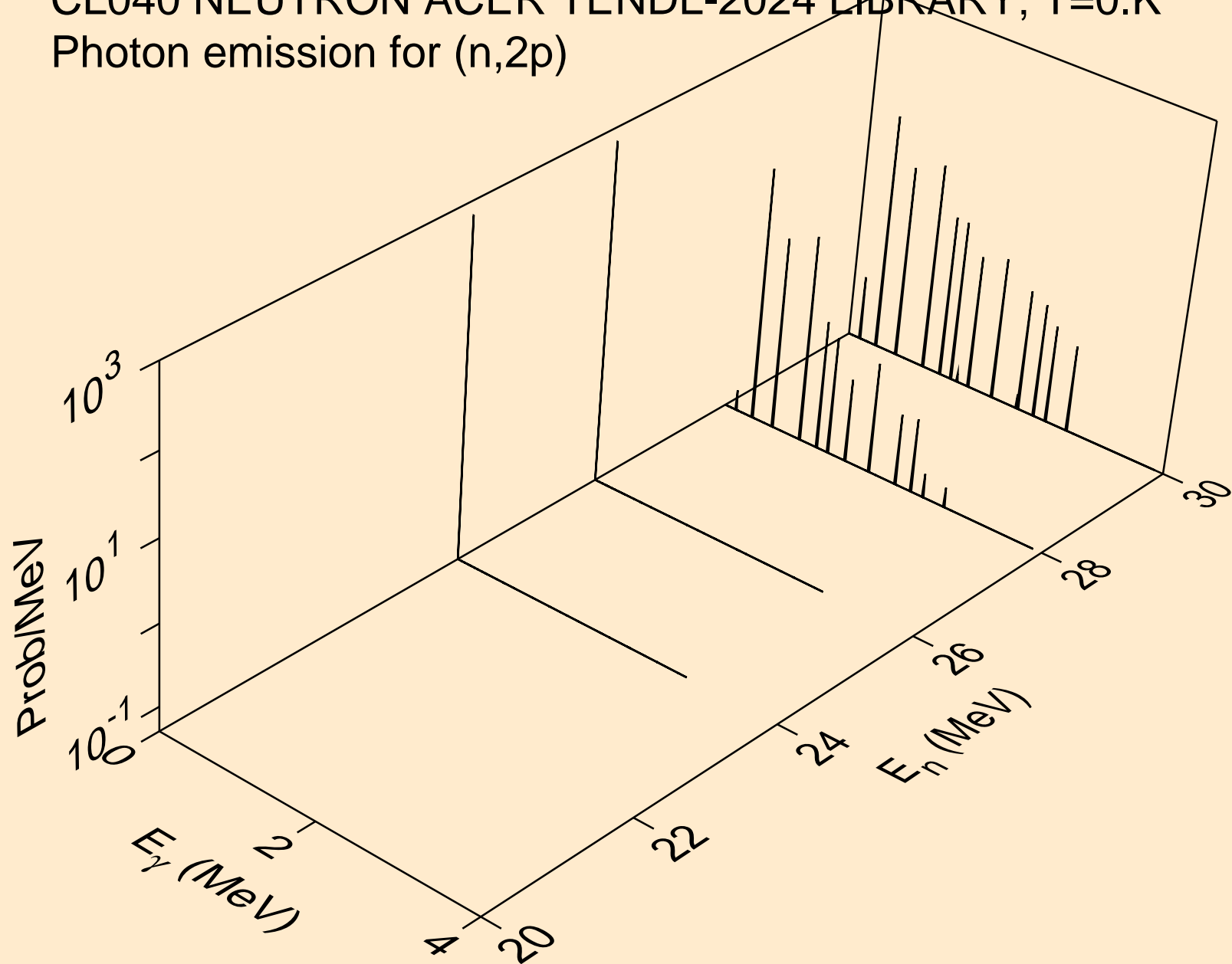
CL040 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,a)



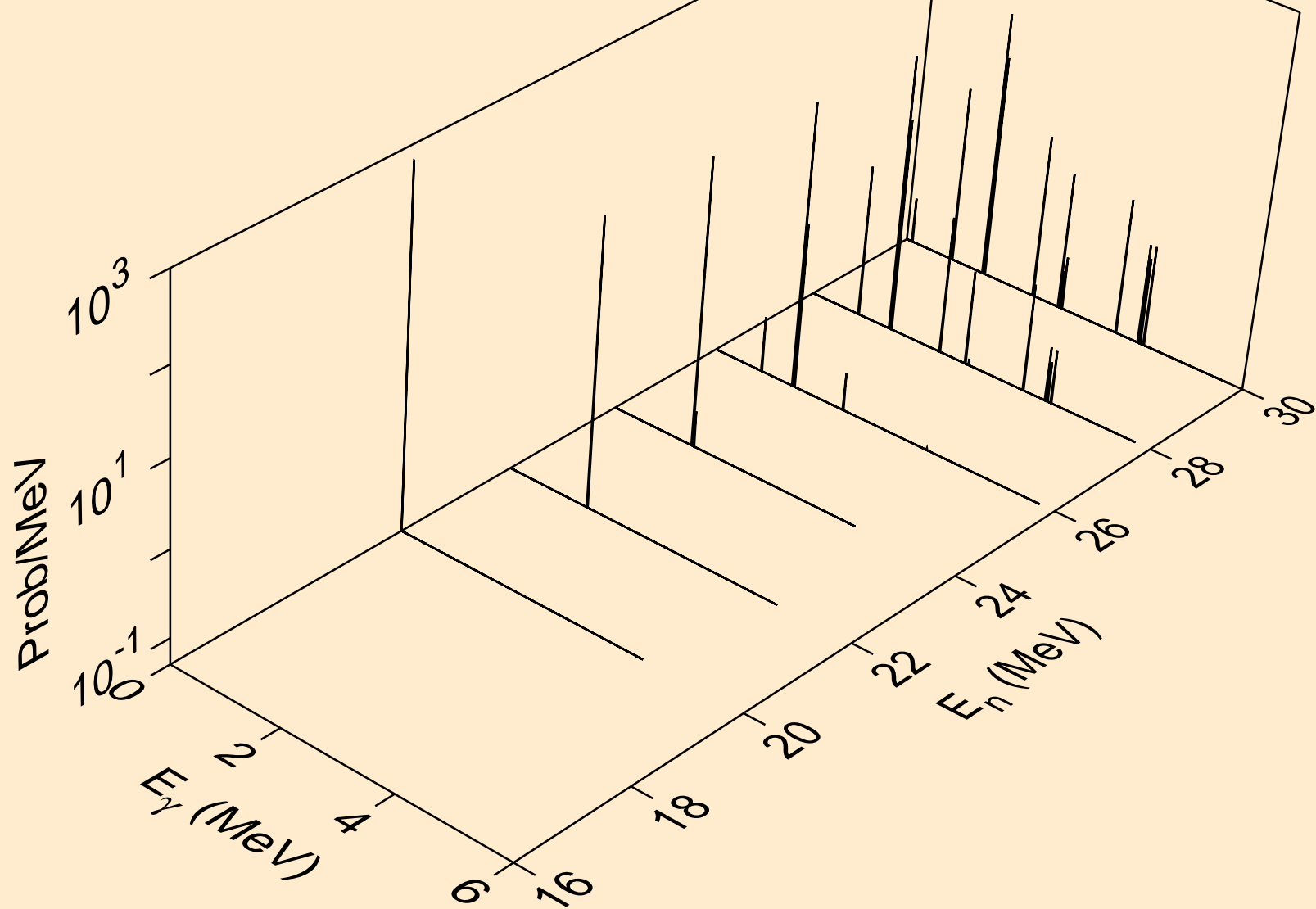
CL040 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2a)



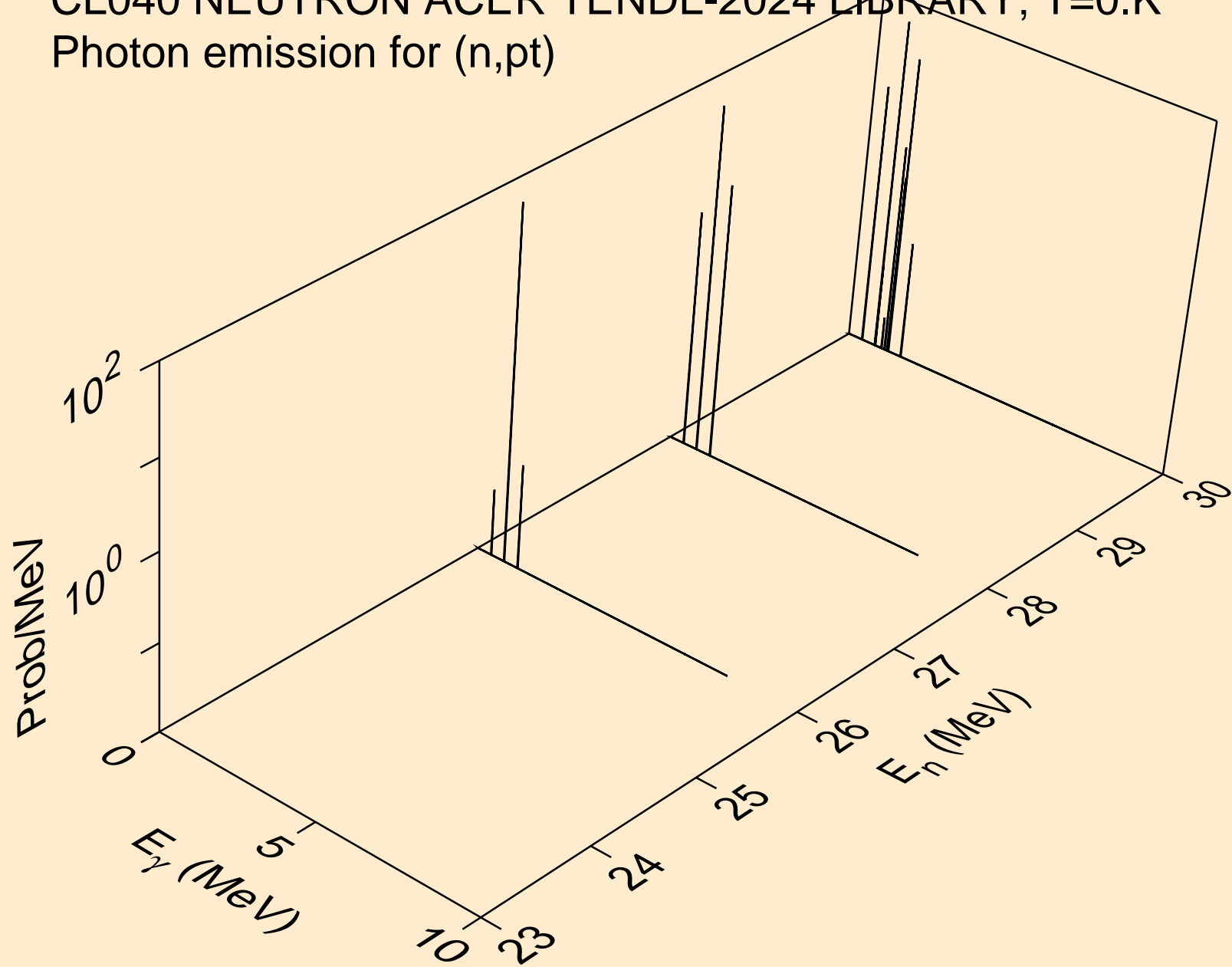
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Photon emission for (n,2p)



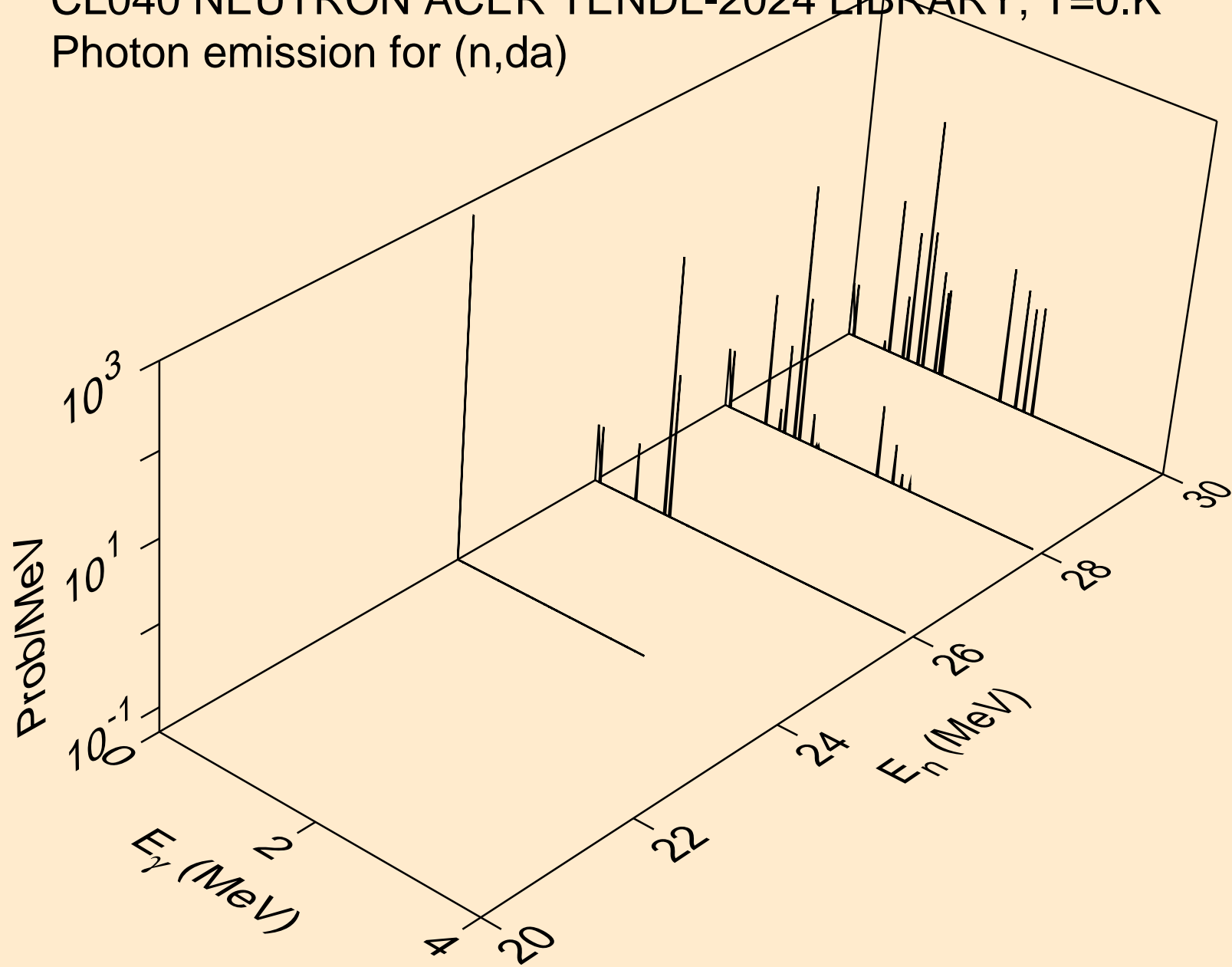
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Photon emission for (n,p $\alpha$ )



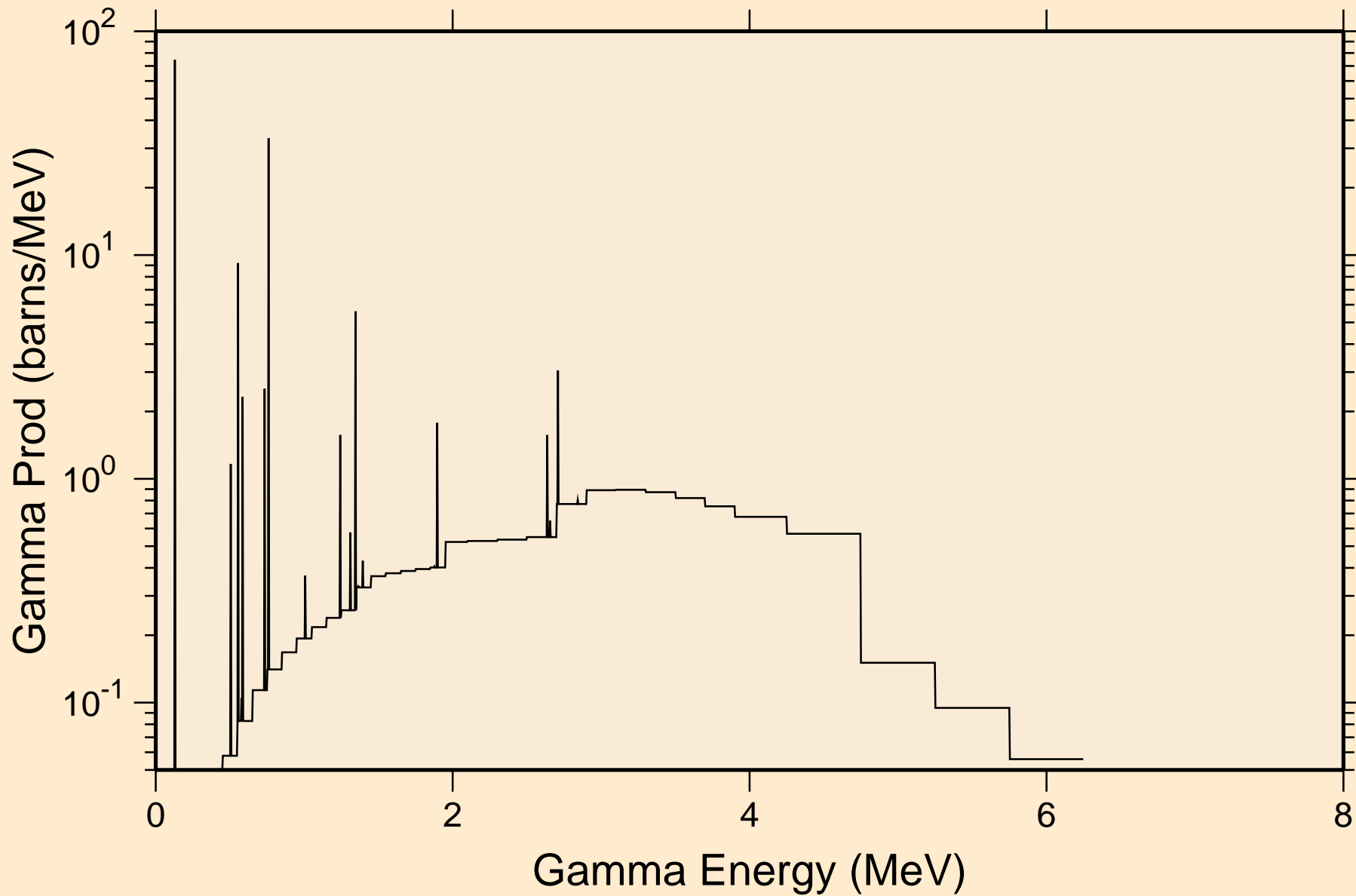
CL040 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pt)



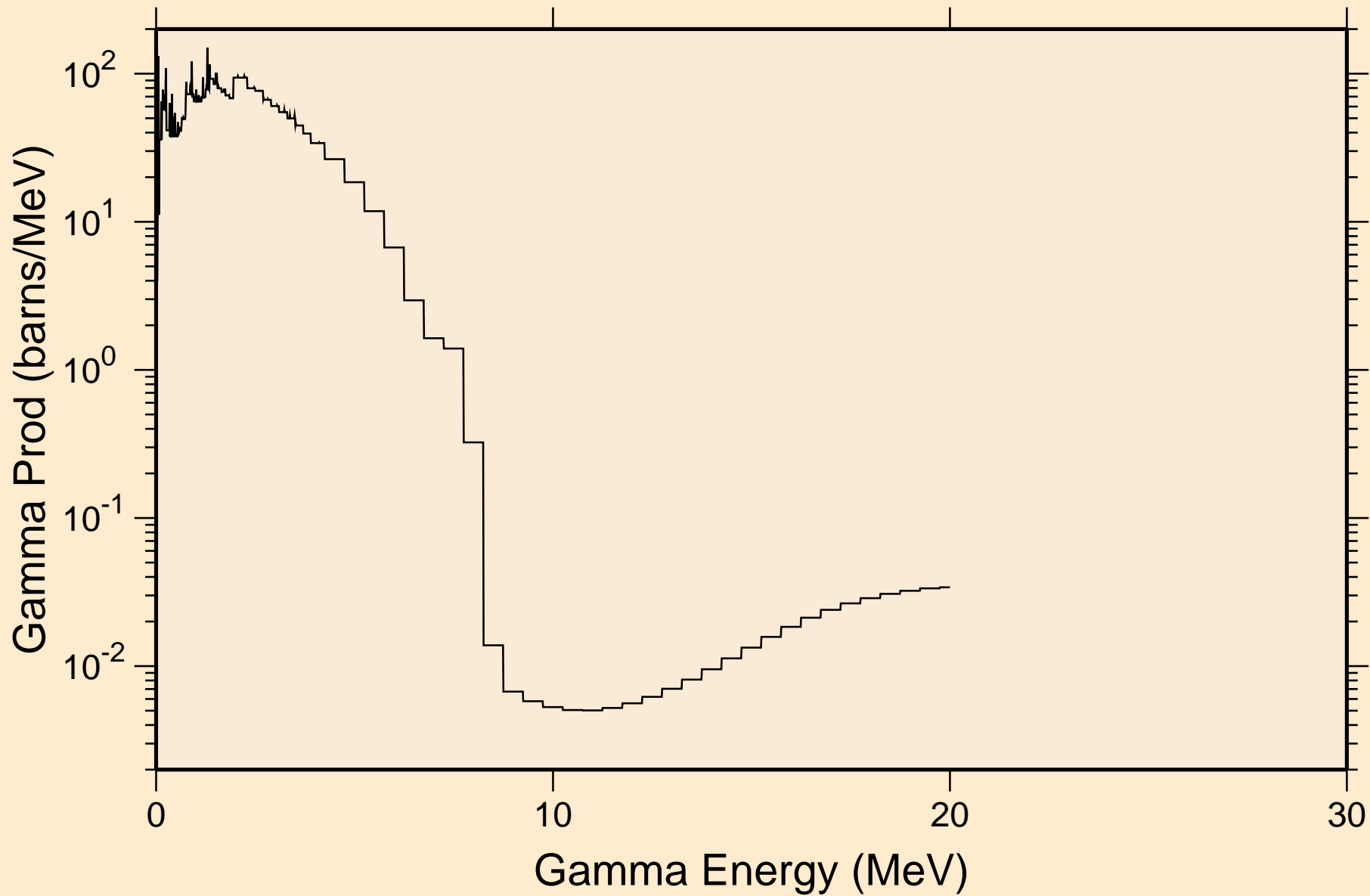
CL040 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,da)



CL040 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
thermal capture photon spectrum

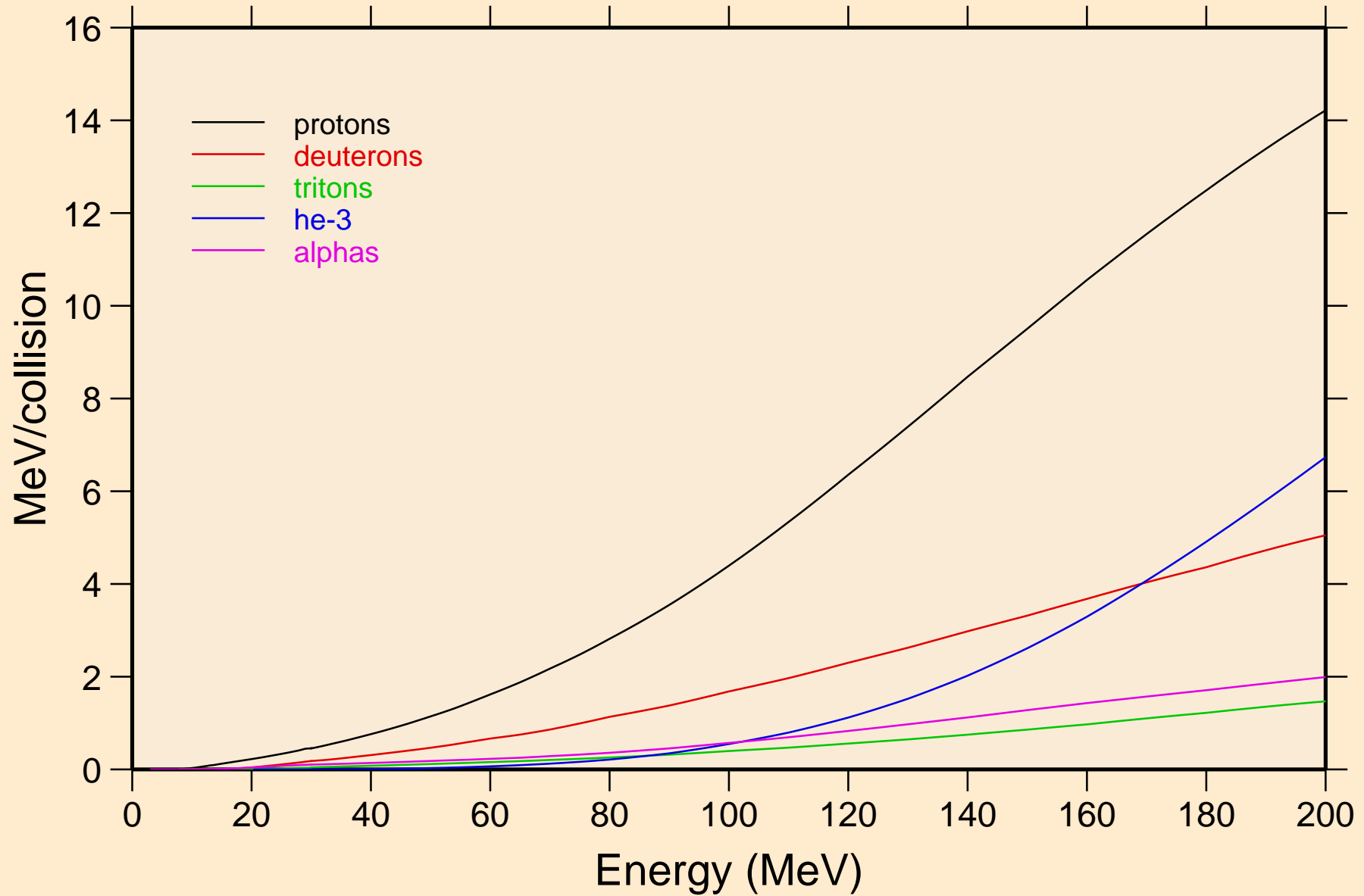


CL040 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
14 MeV photon spectrum

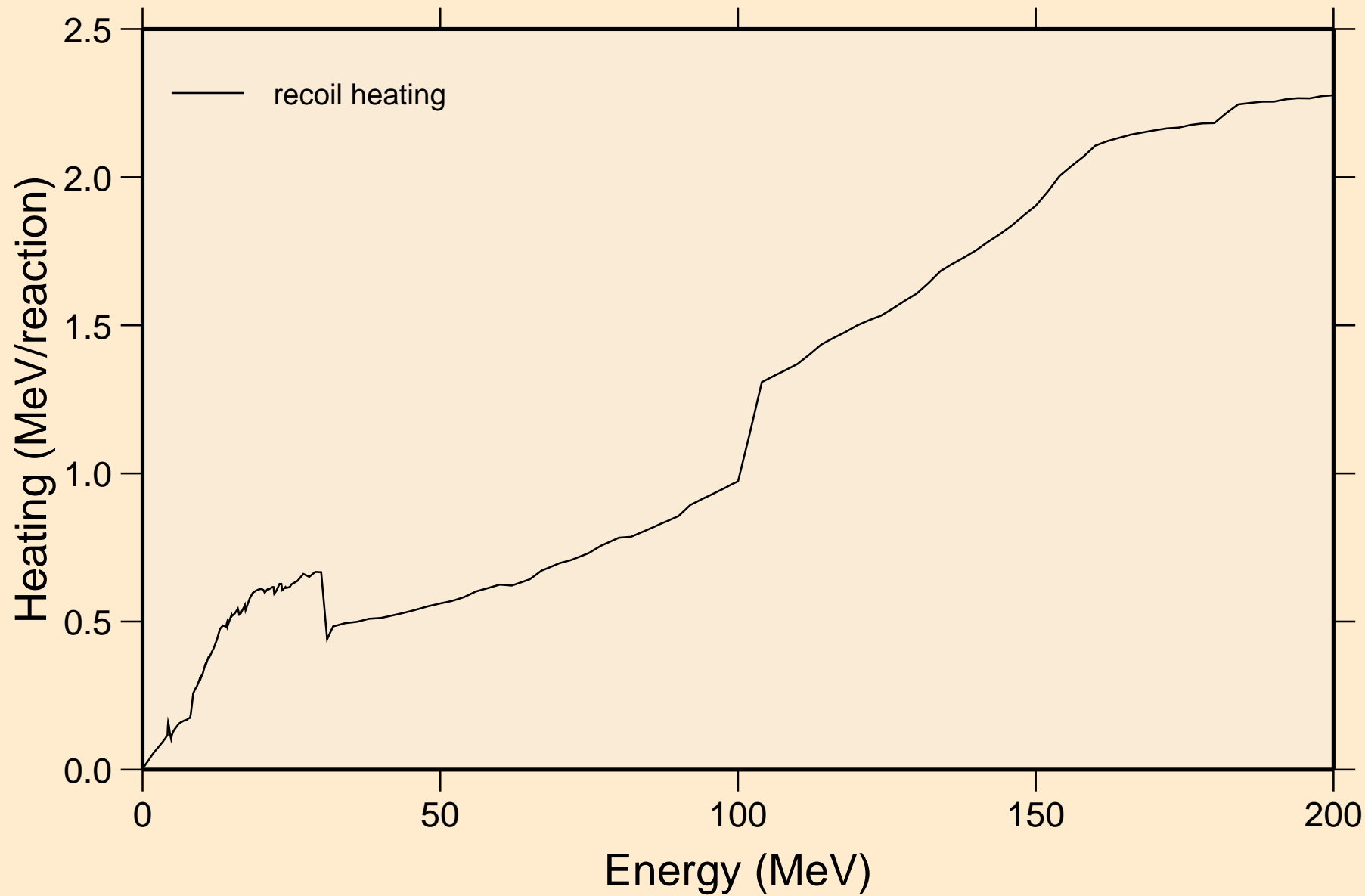




CL040 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Particle heating contributions

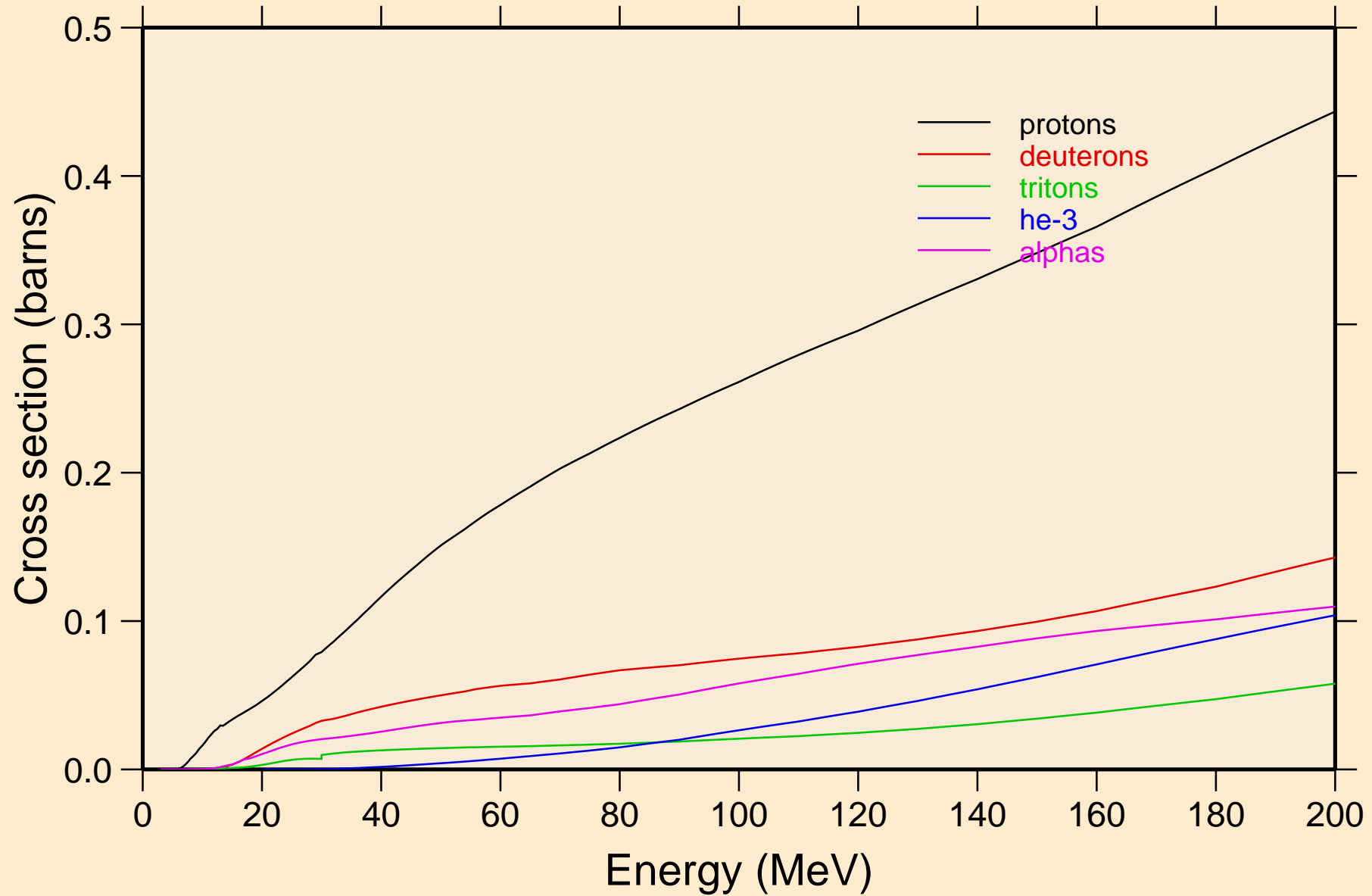


CL040 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Recoil Heating

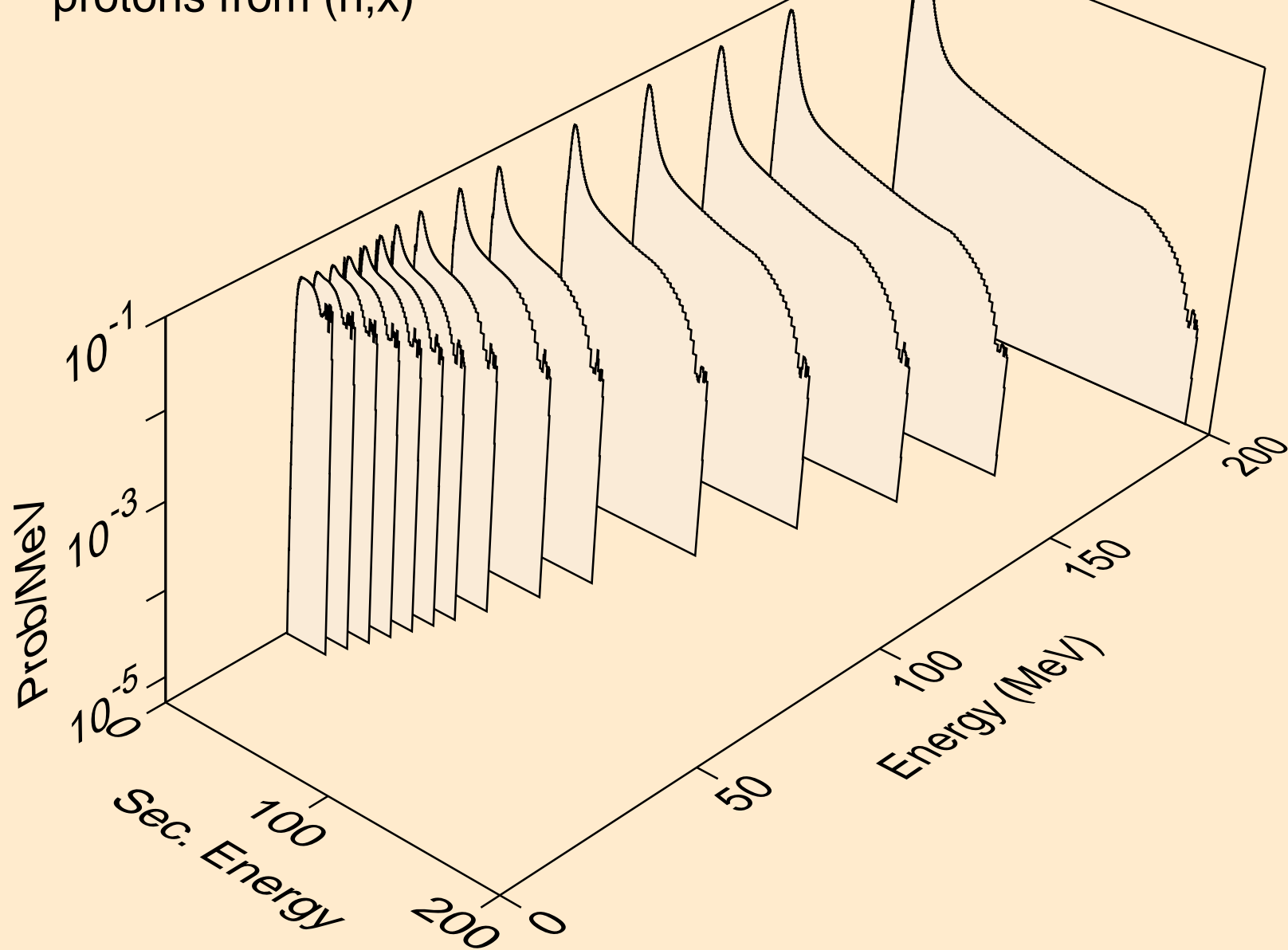


# CL040 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

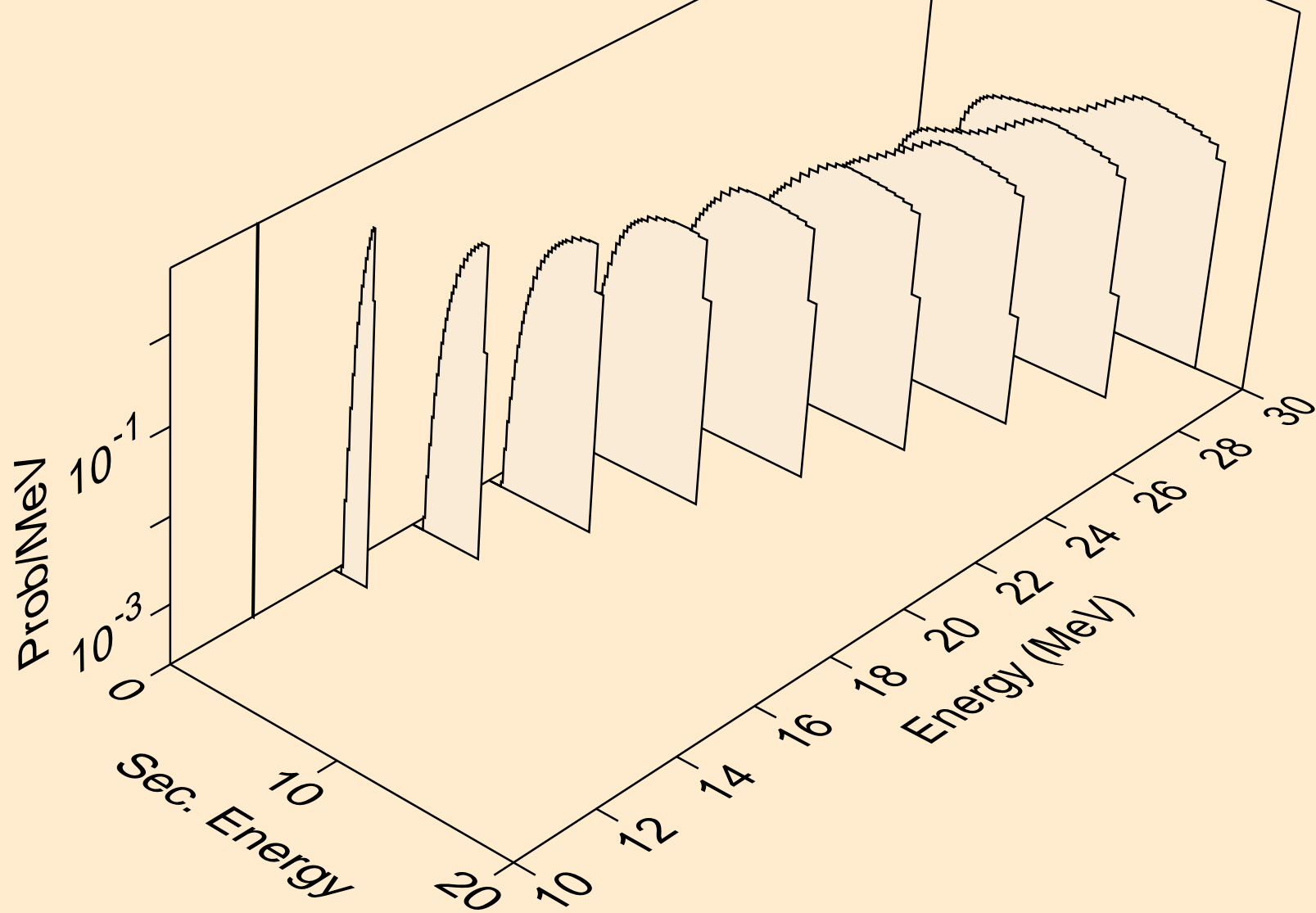
## Particle production cross sections



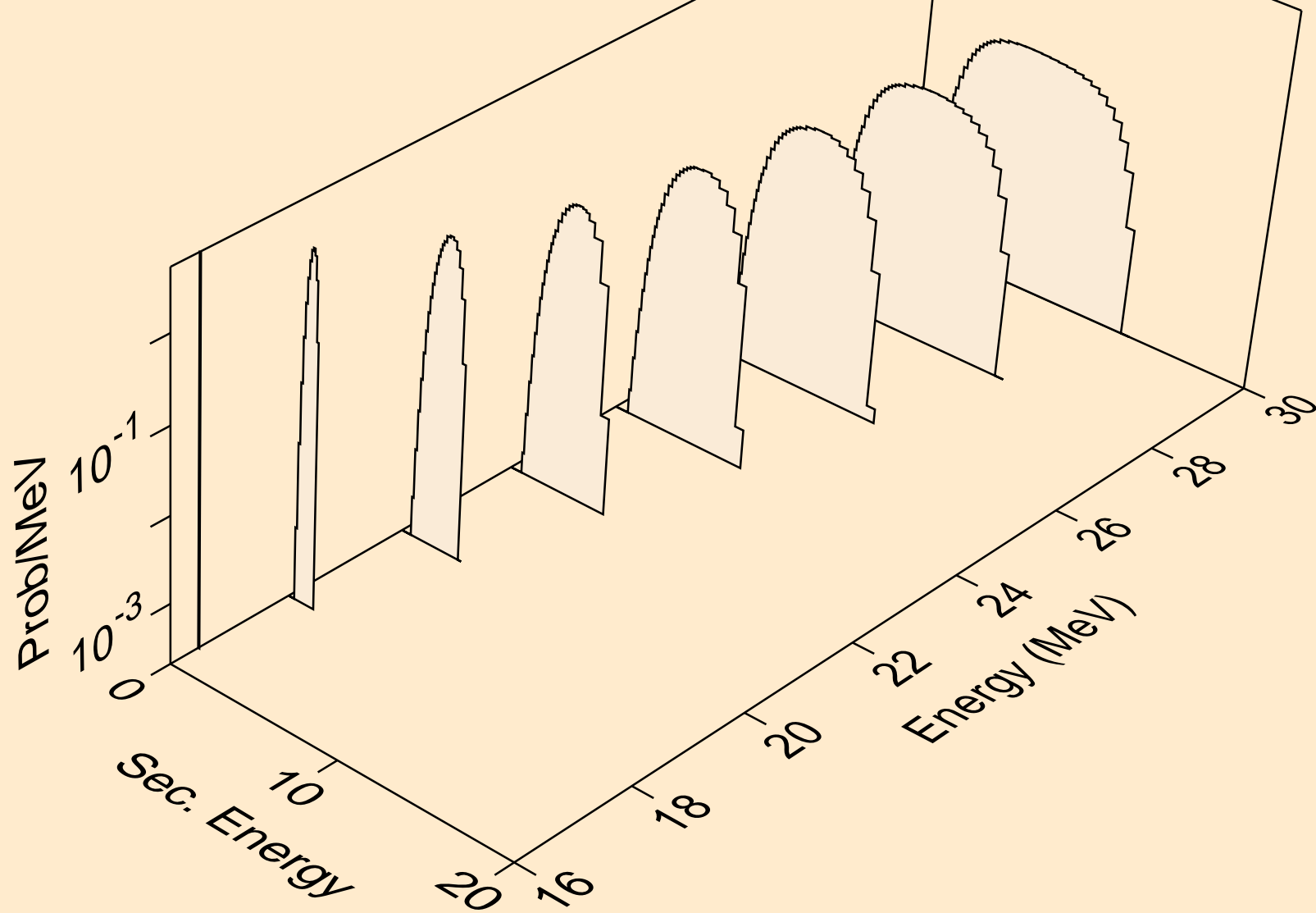
CL040 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,x)



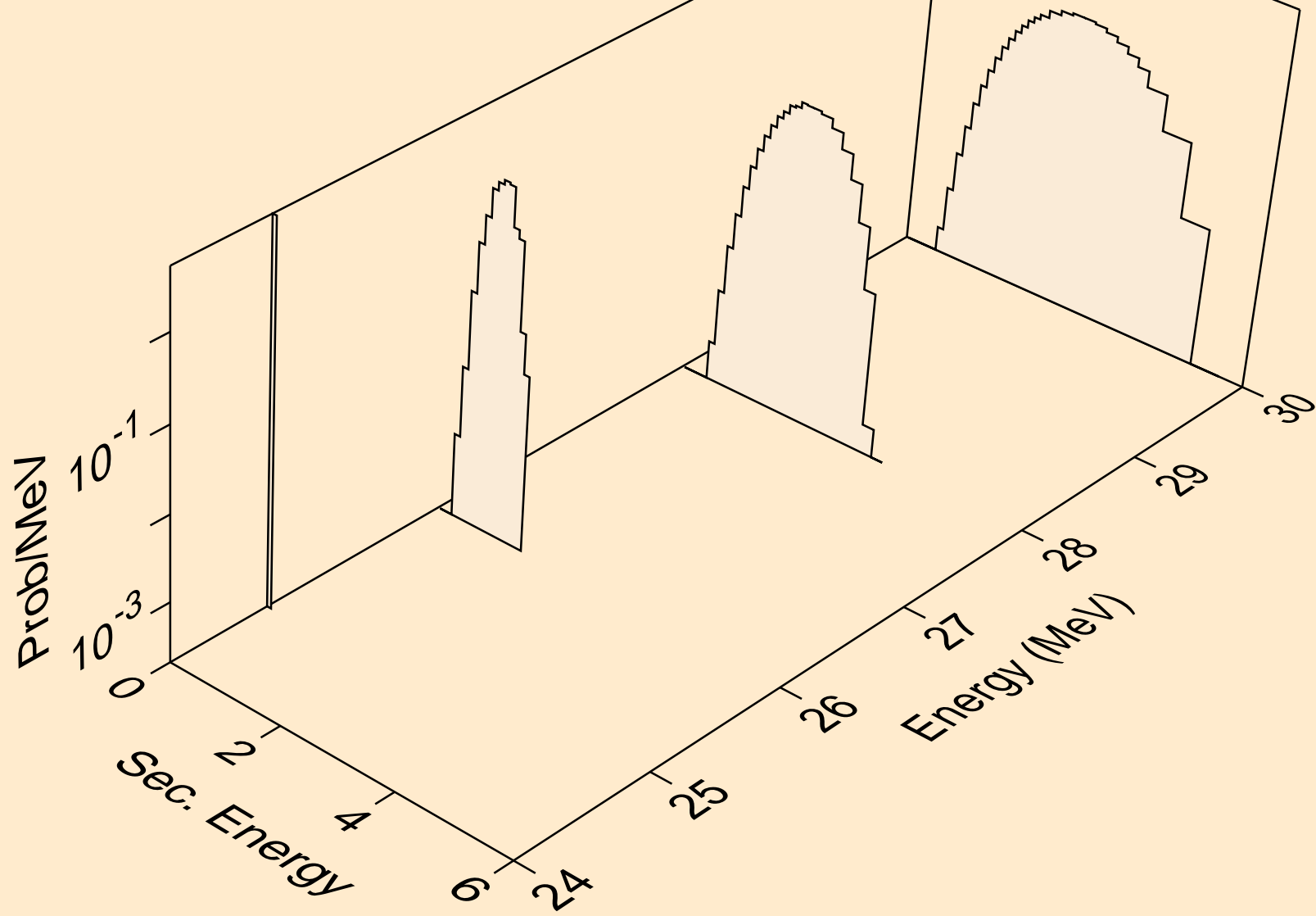
CL040 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,n\*)p



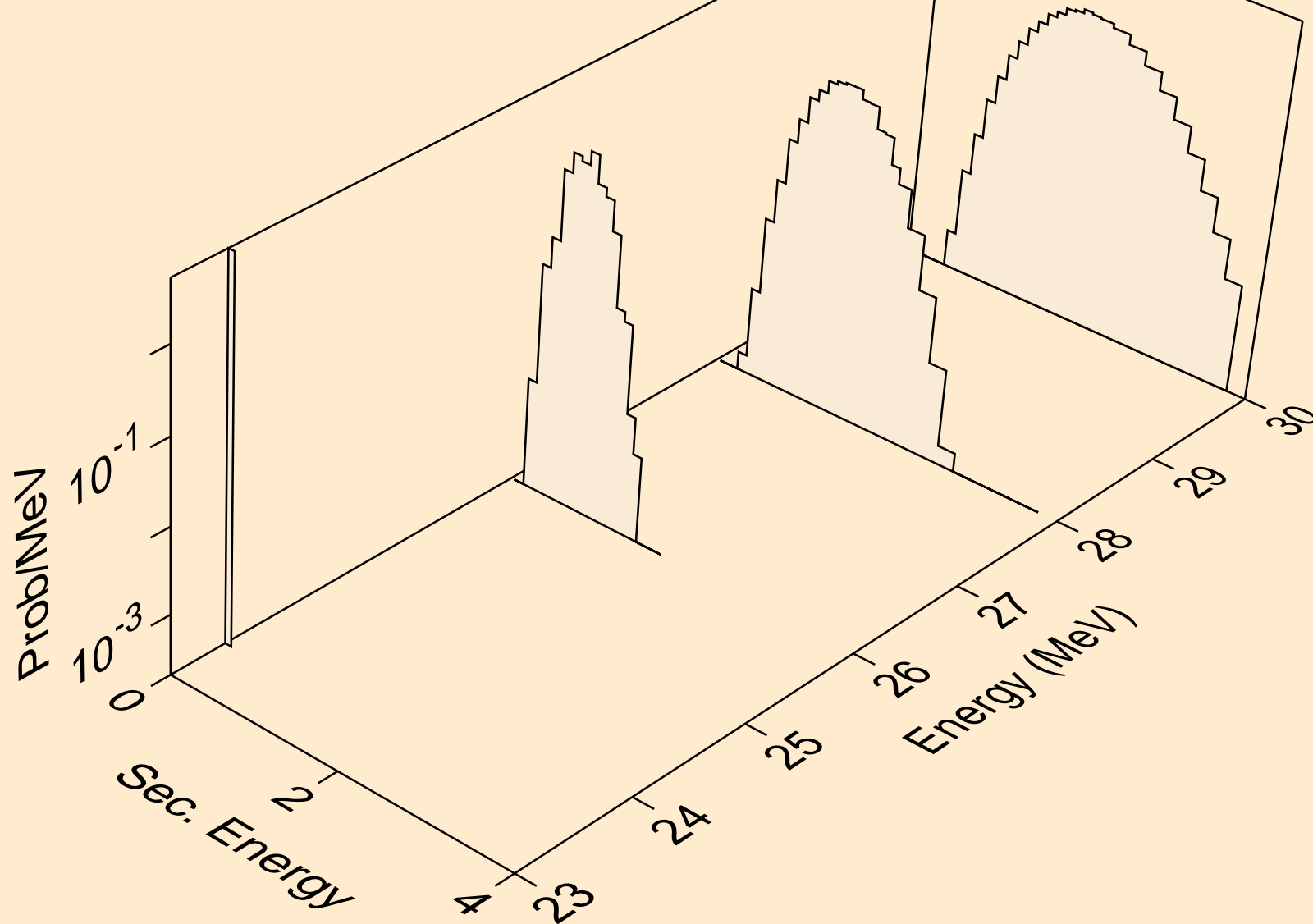
CL040 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,2np)



CL040 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,3np)

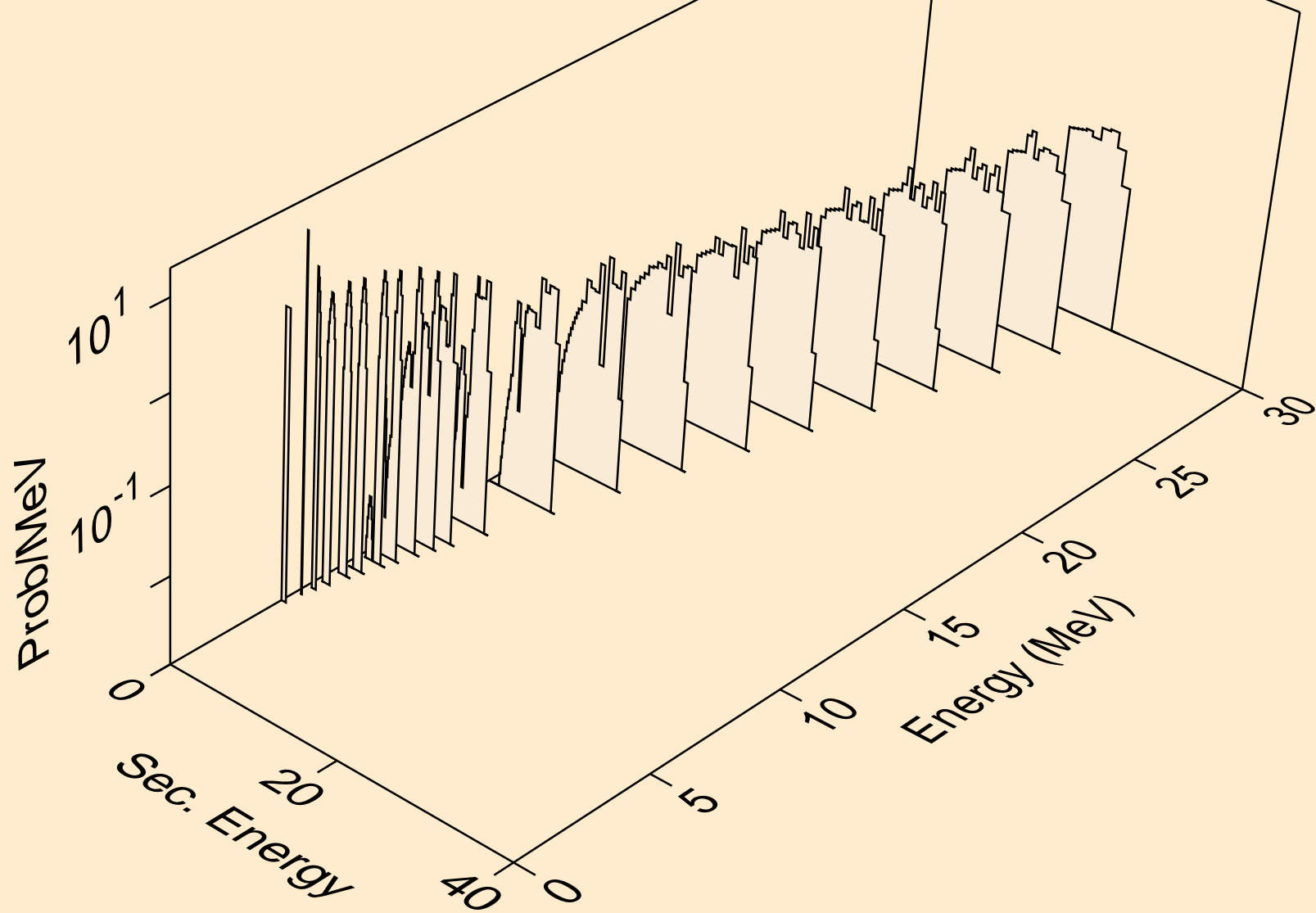


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protons from (n,npa)

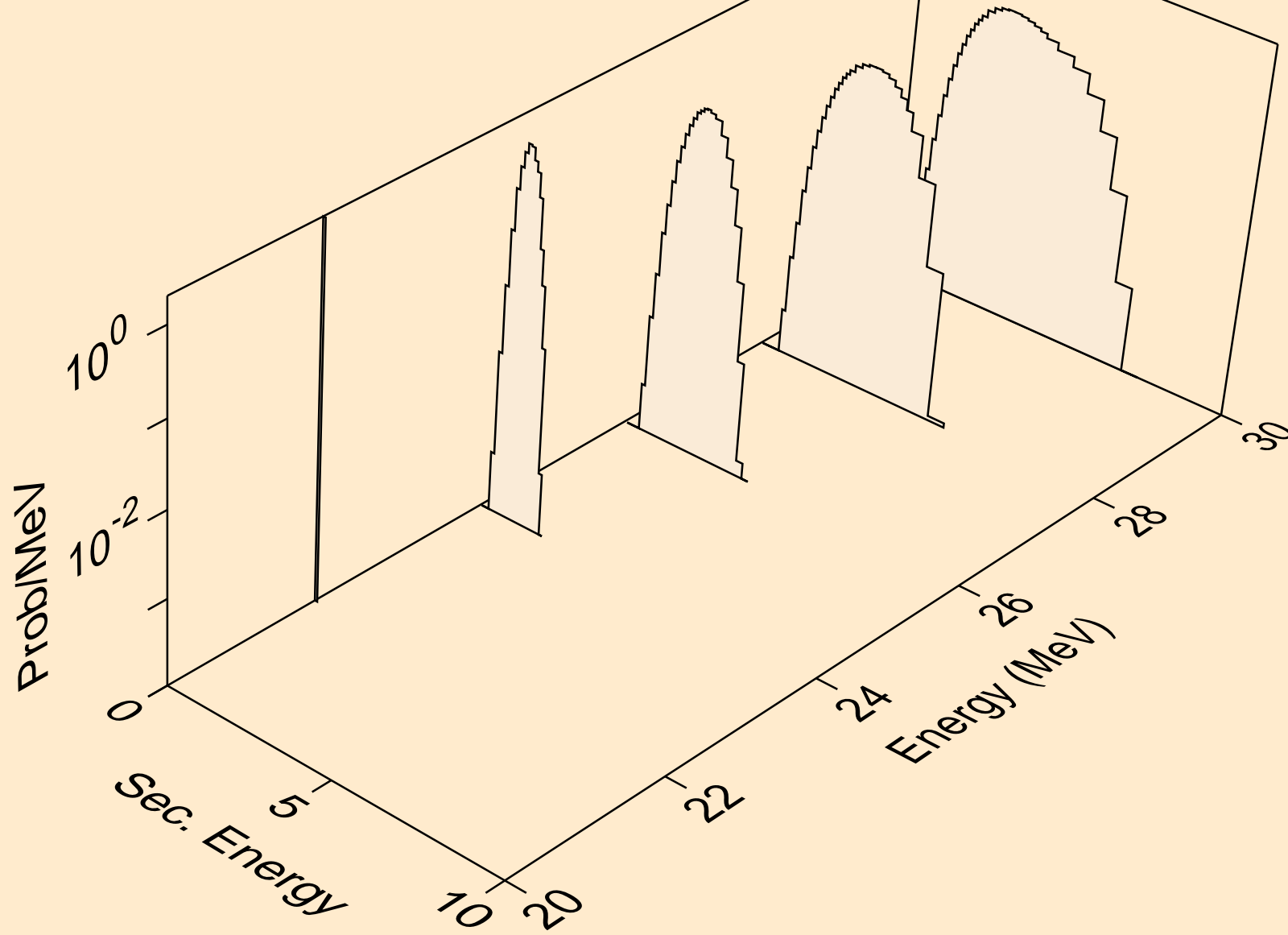




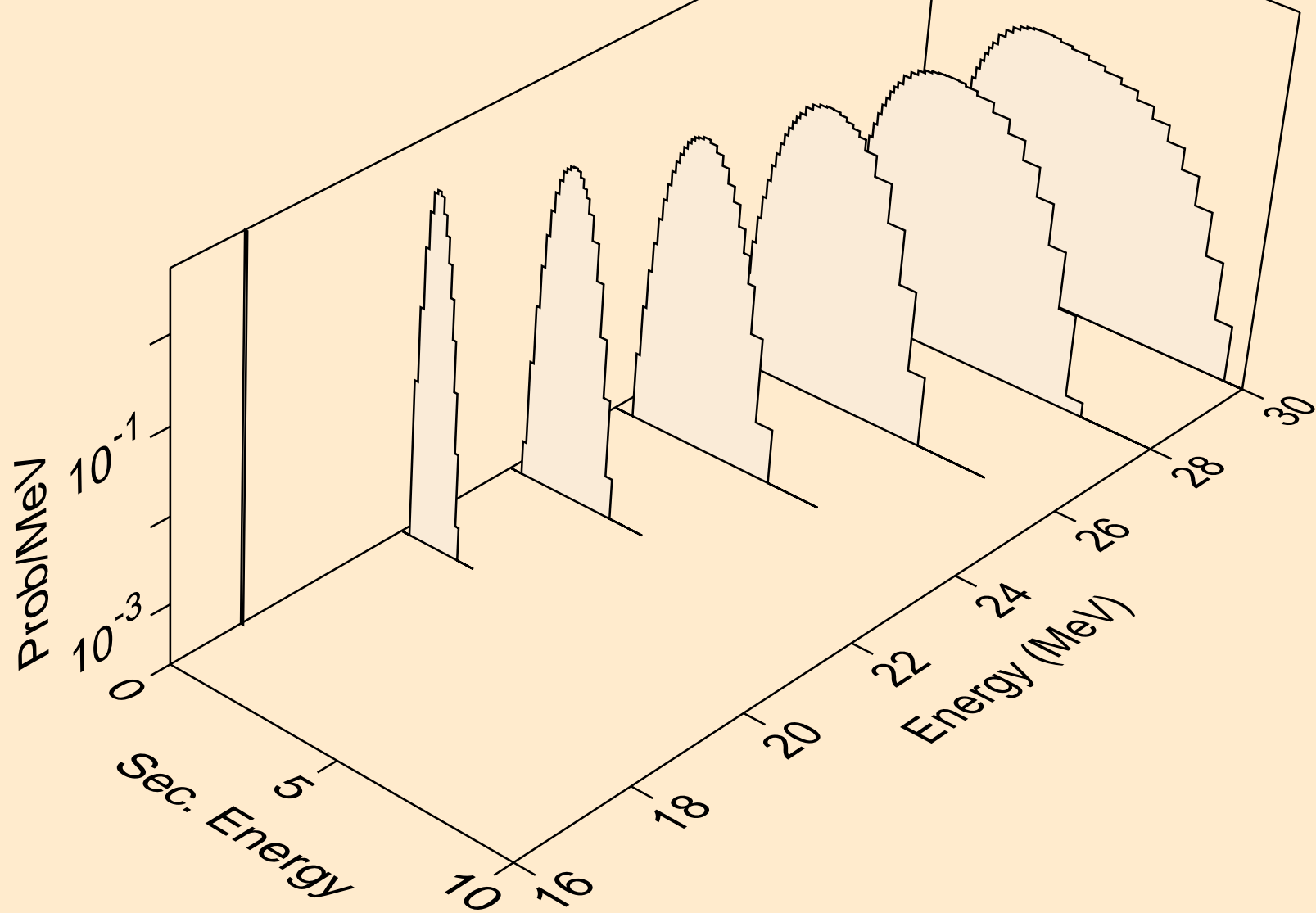
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protons from (n,p)



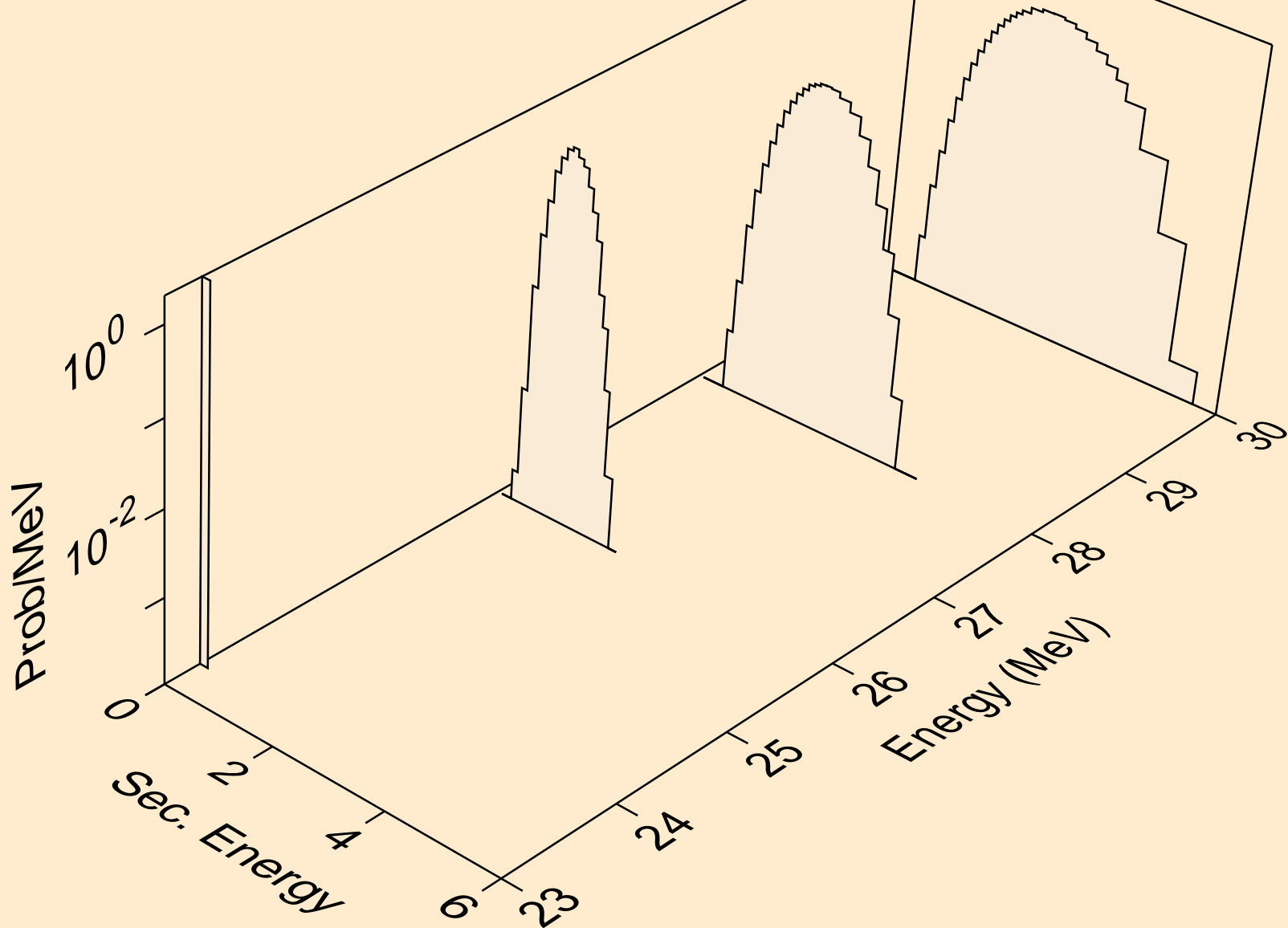
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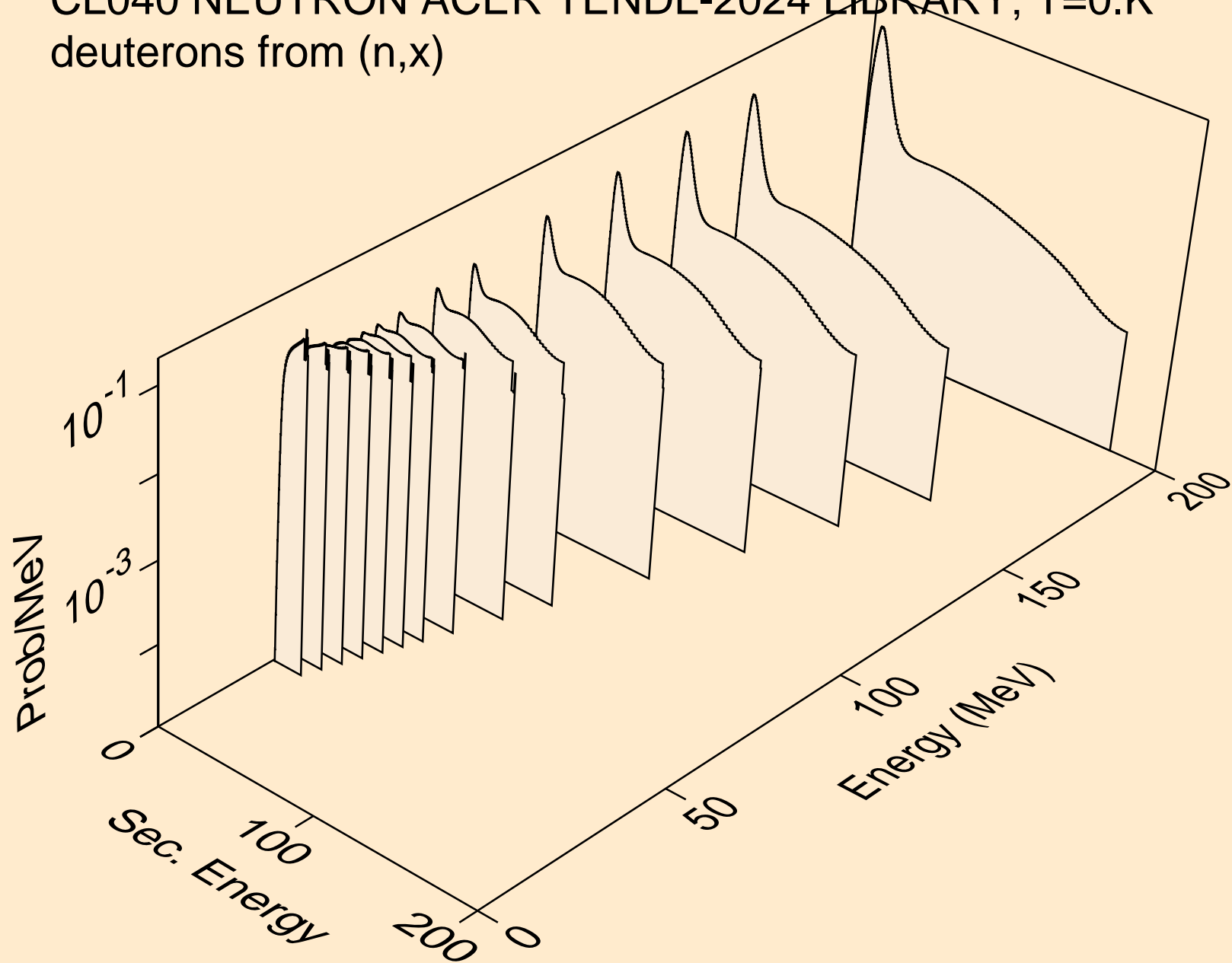
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protons from (n,p)



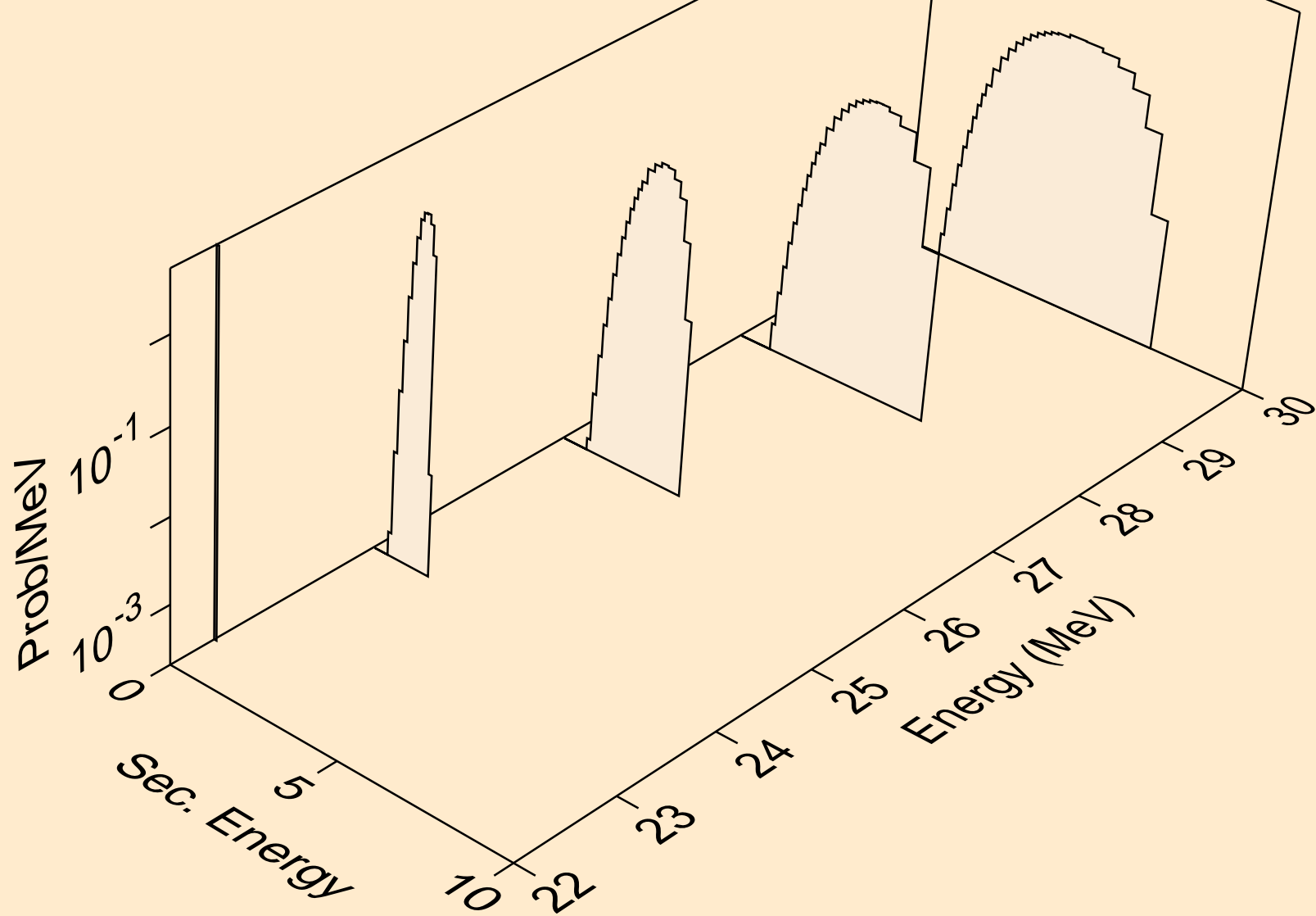
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protons from (n,pt)



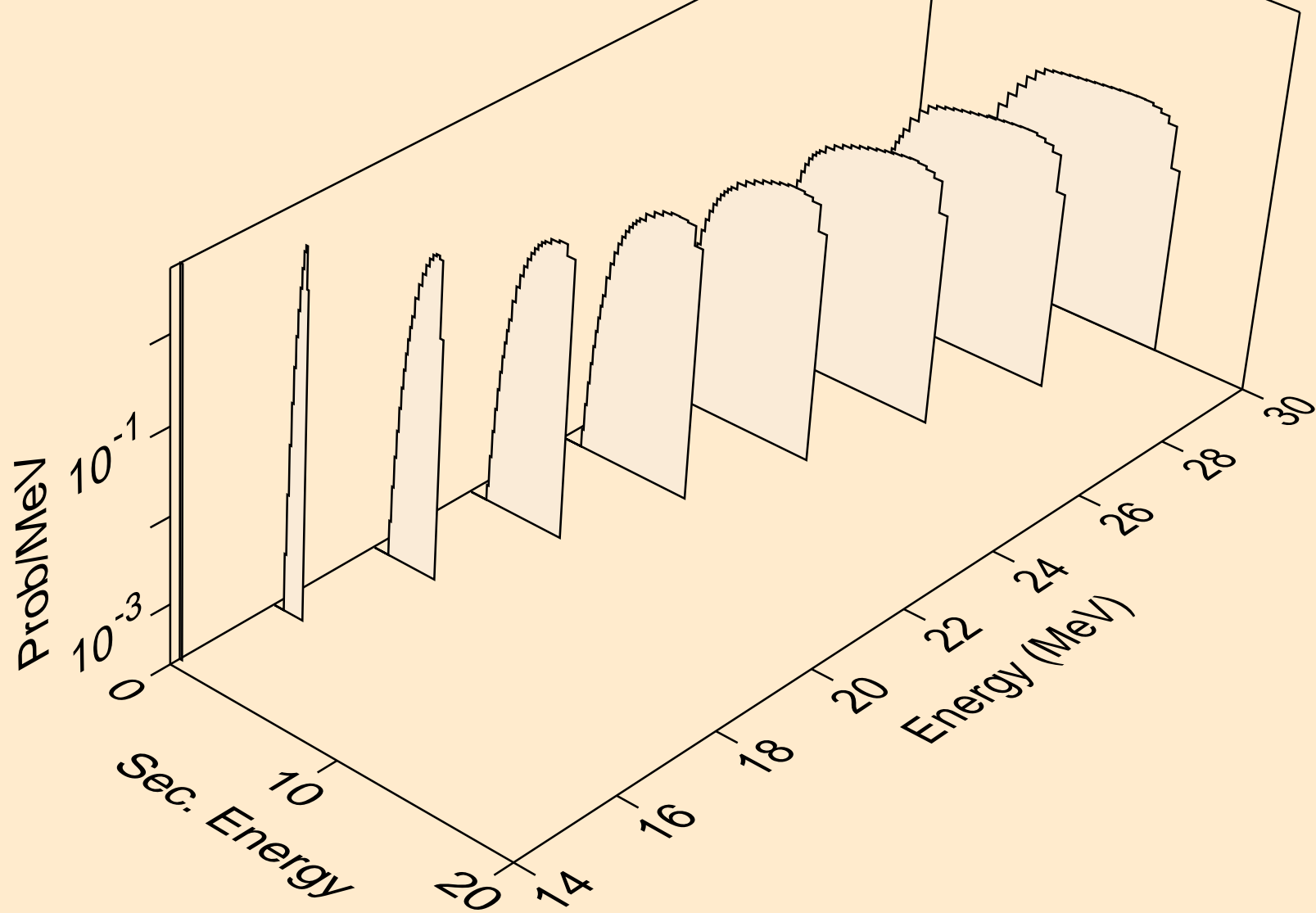
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deuterons from (n,x)



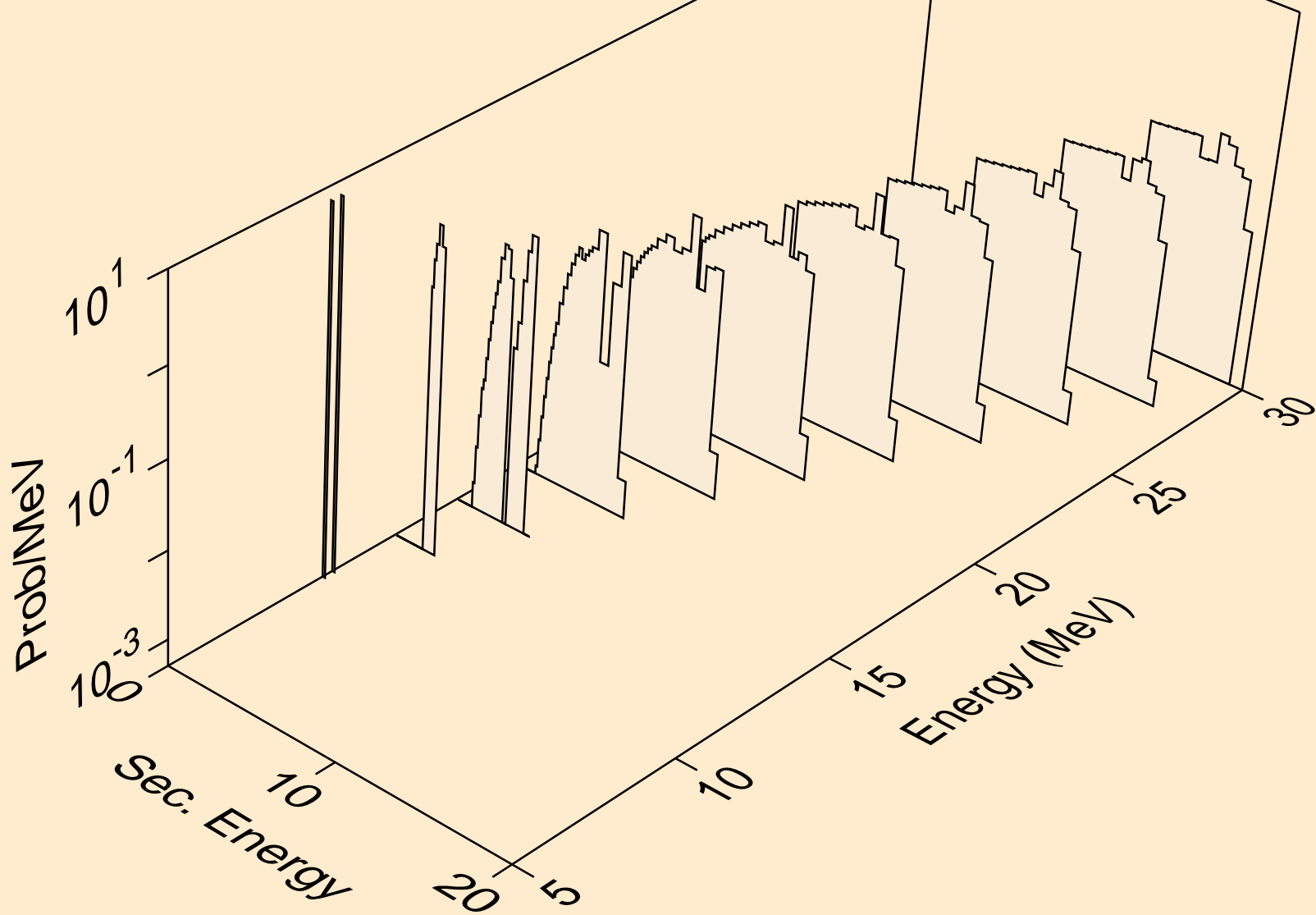
CL040 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,2nd)



CL040 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,n\*)d

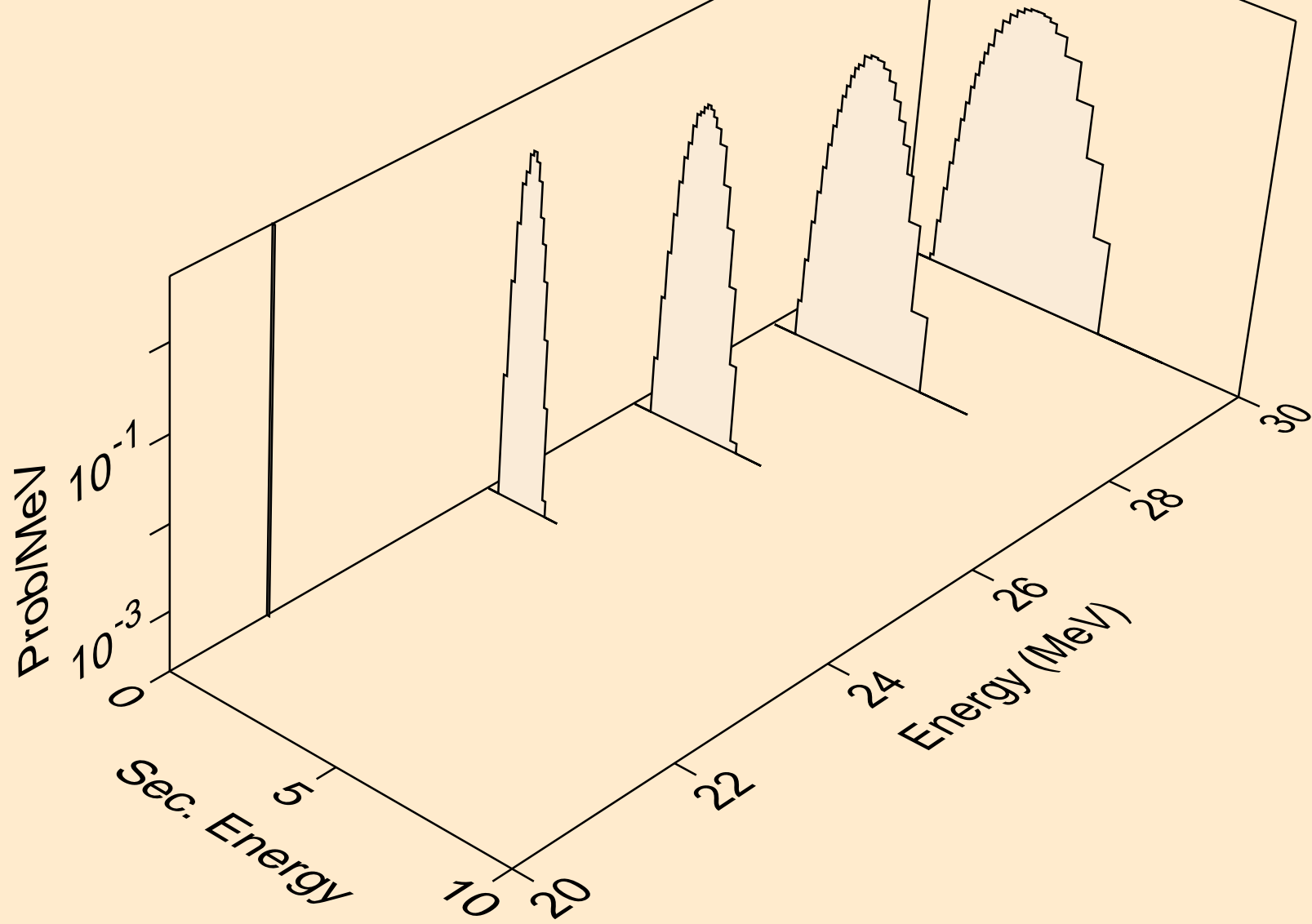


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deuterons from (n,d)

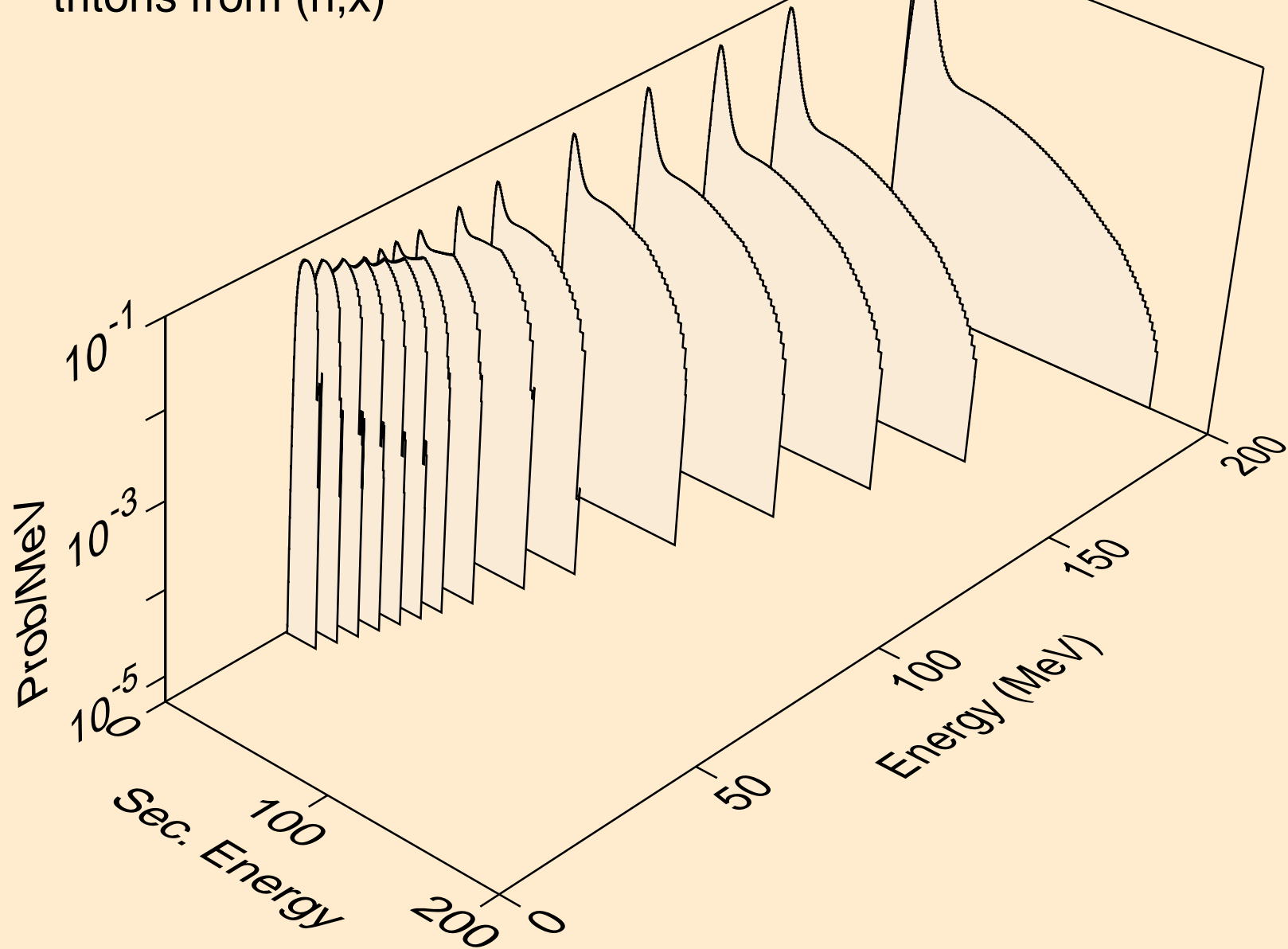




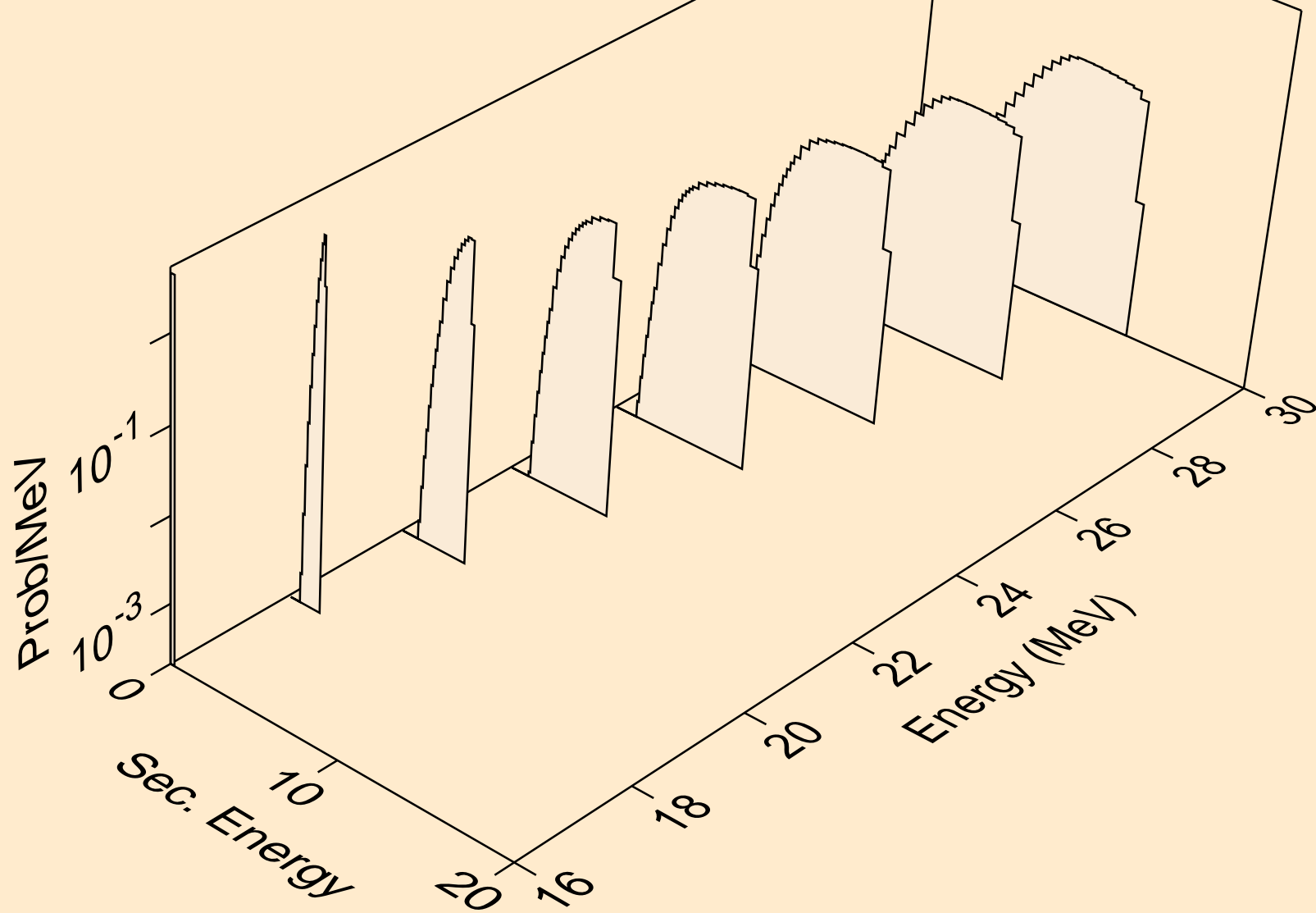
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deuterons from (n,da)



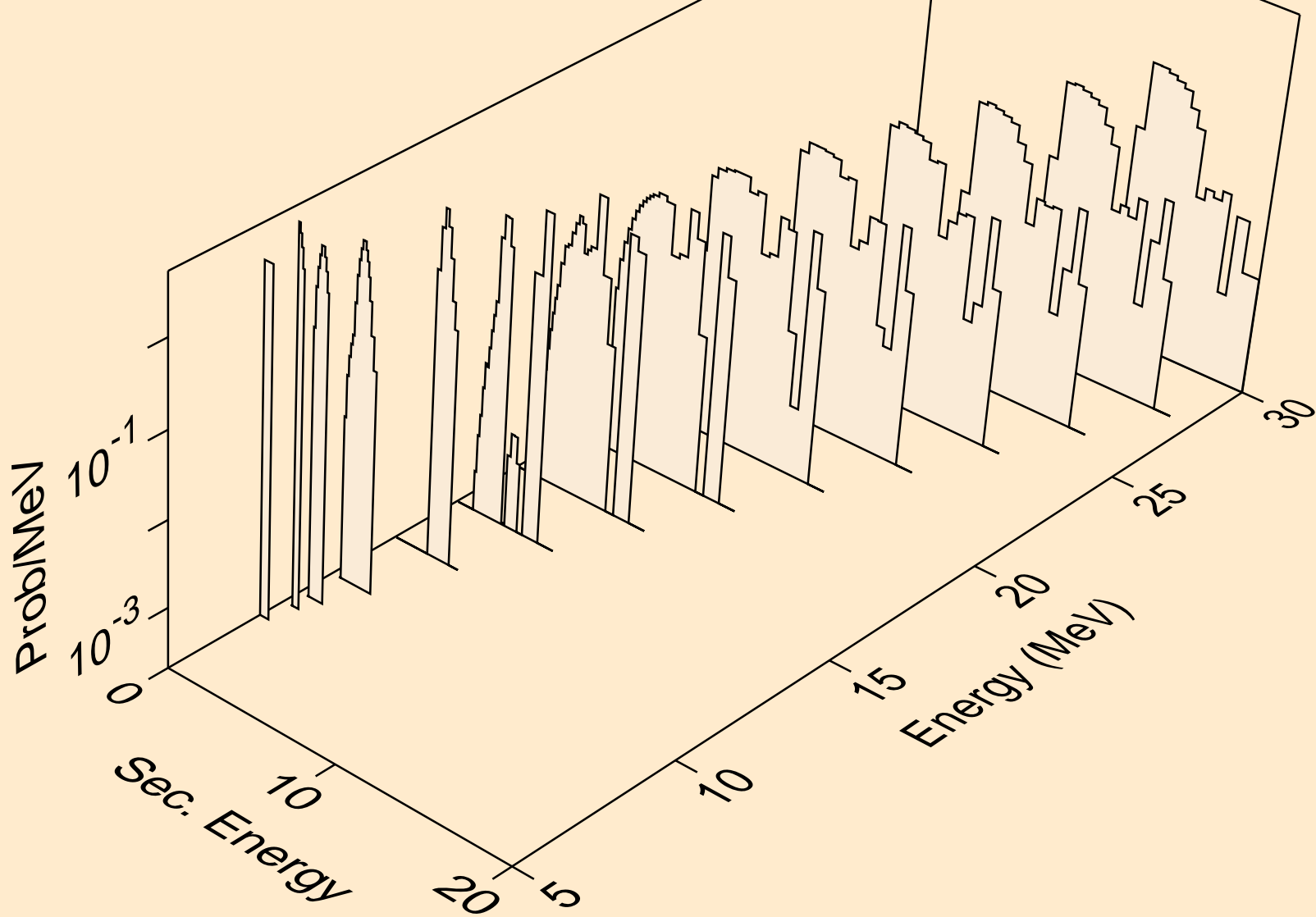
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tritons from (n,x)



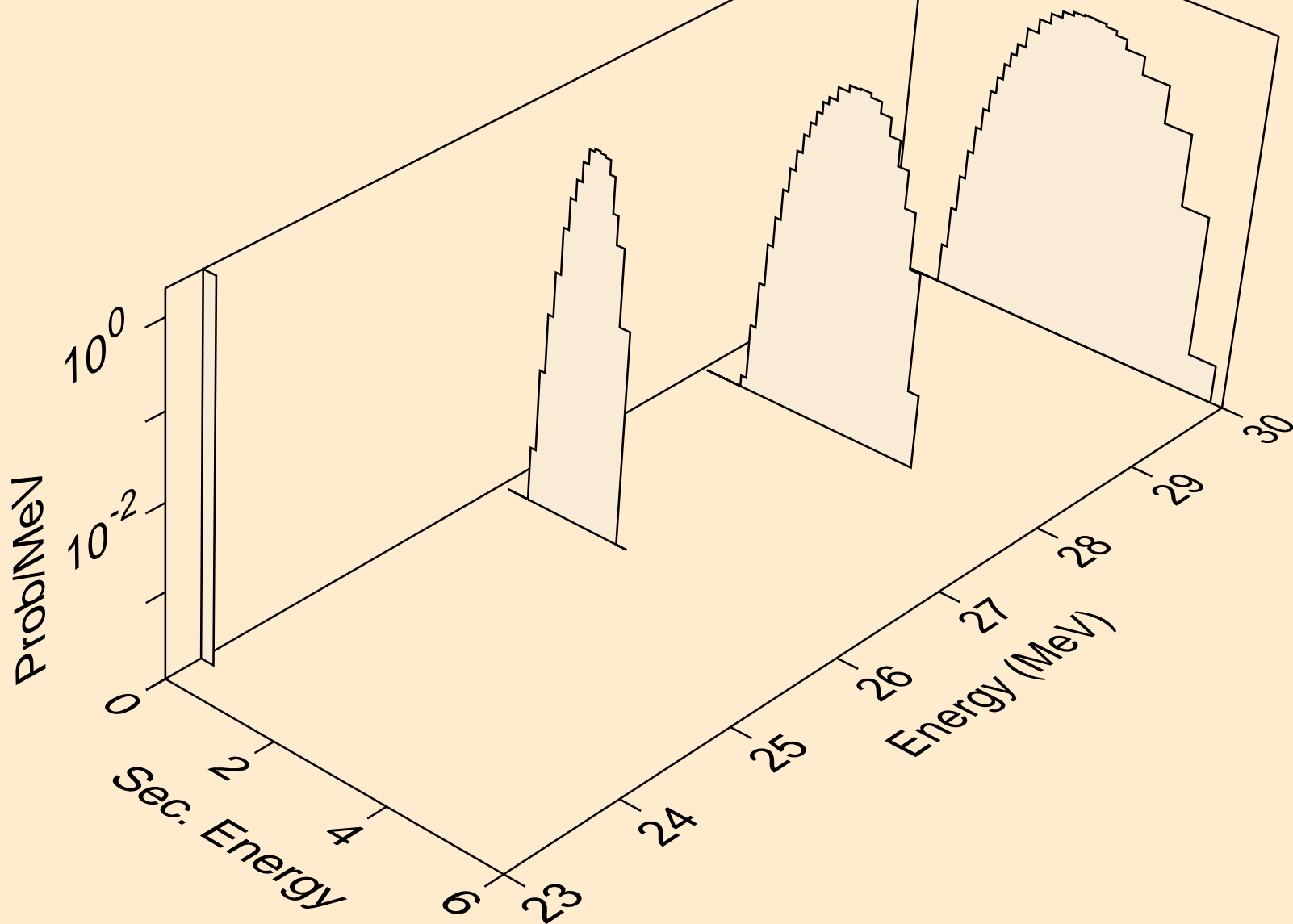
CL040 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,n\*)t



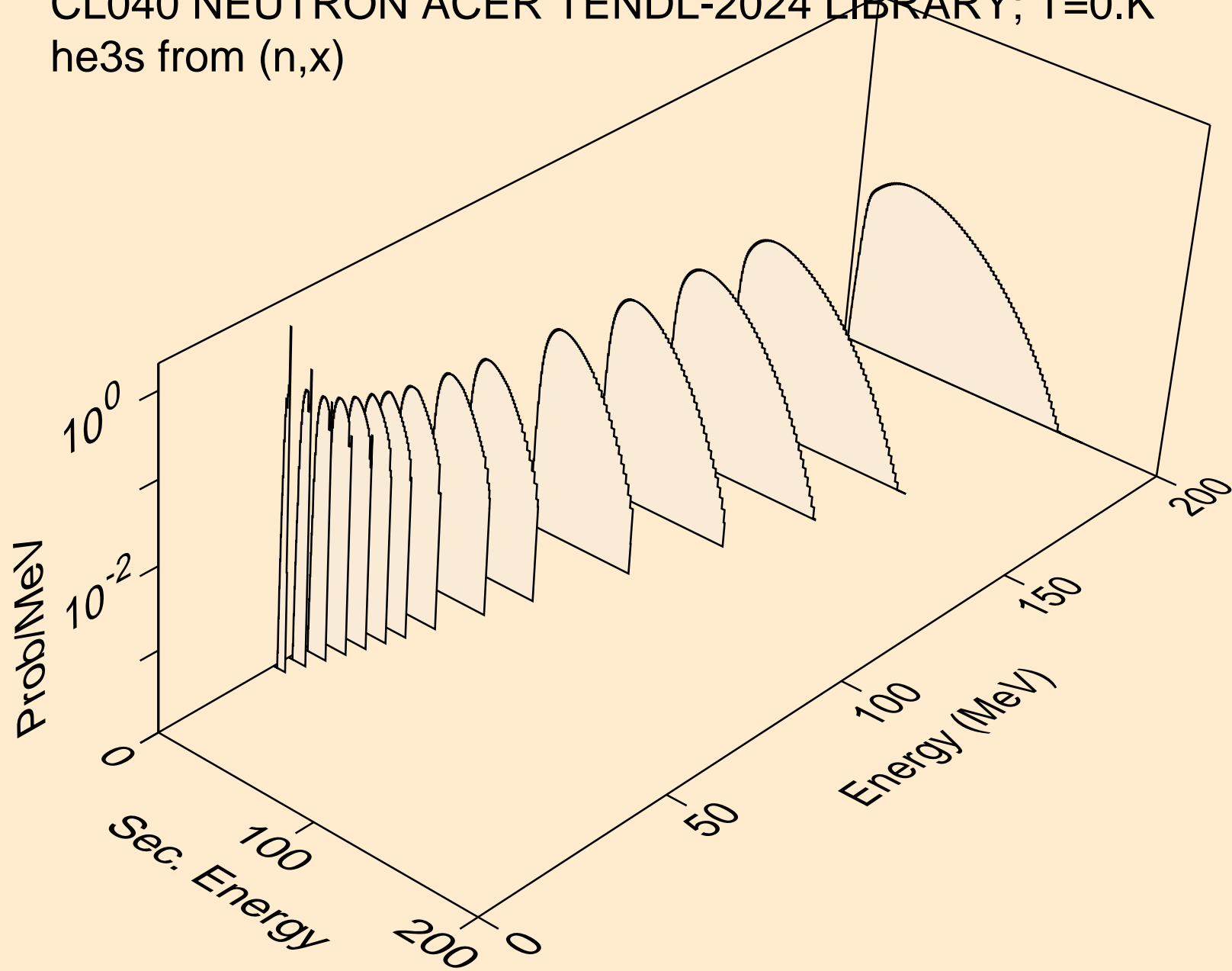
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tritons from (n,t)



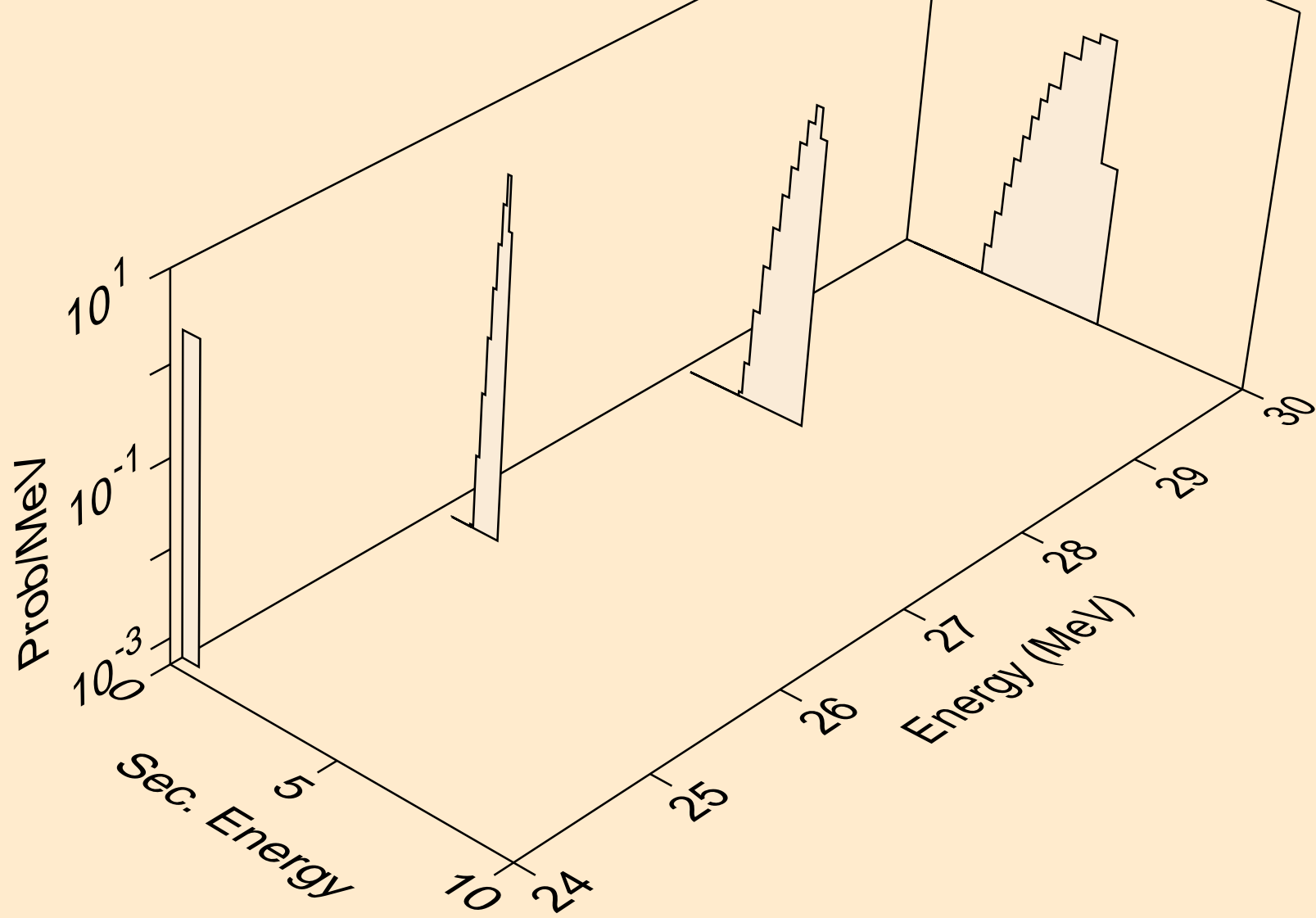
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tritons from (n,pt)



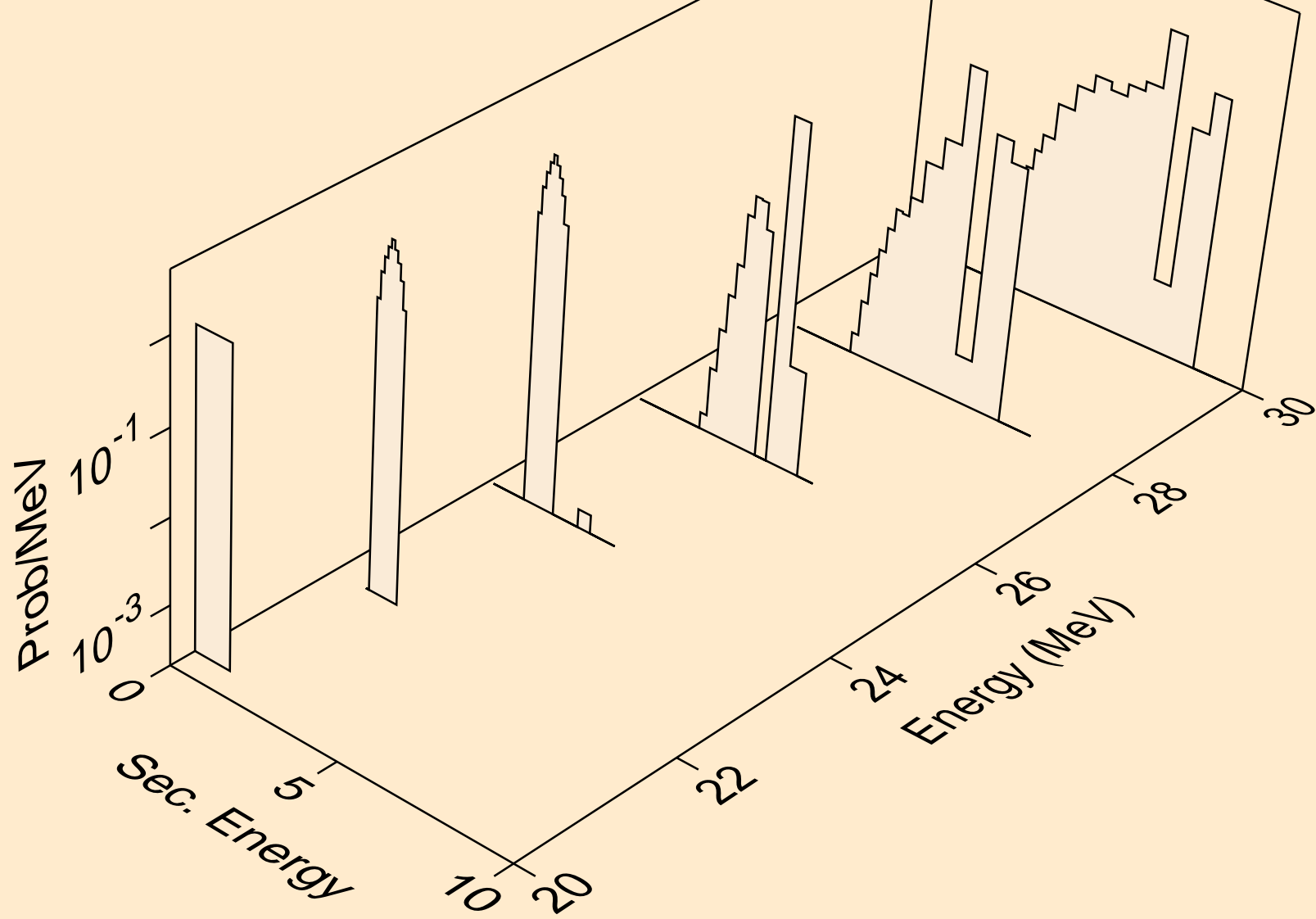
CL040 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,x)



CL040 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,n\*)he3

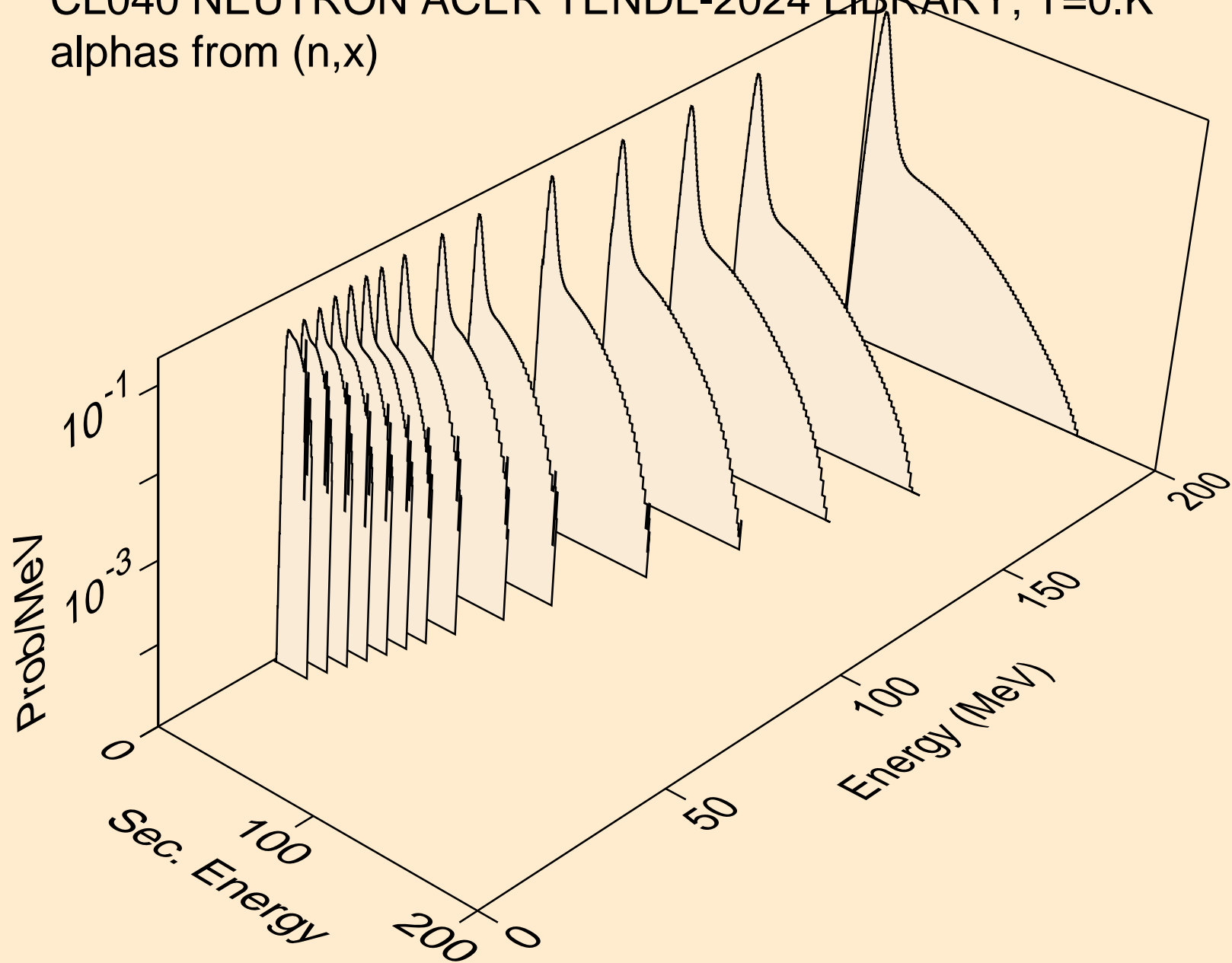


CL040 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,he3)

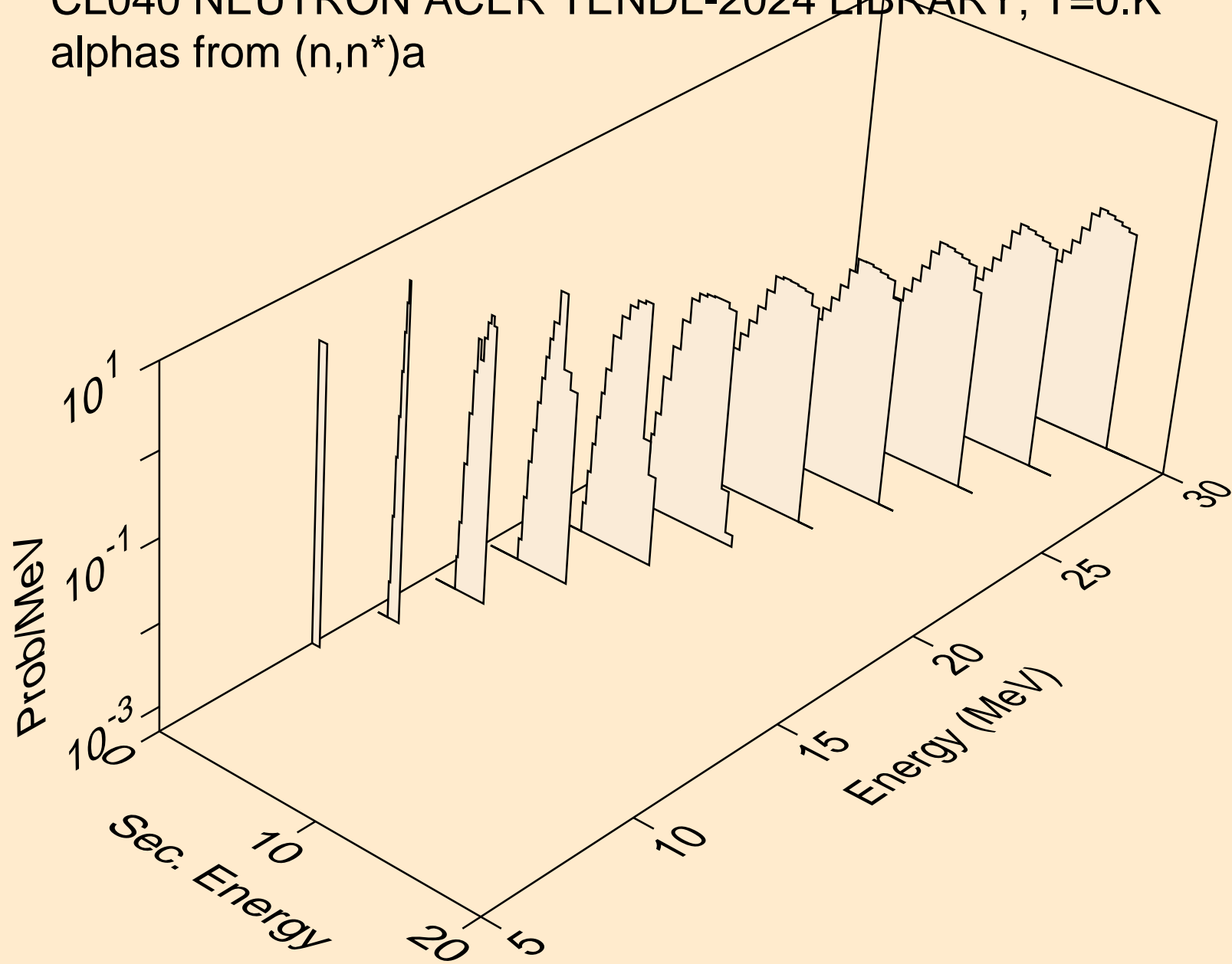




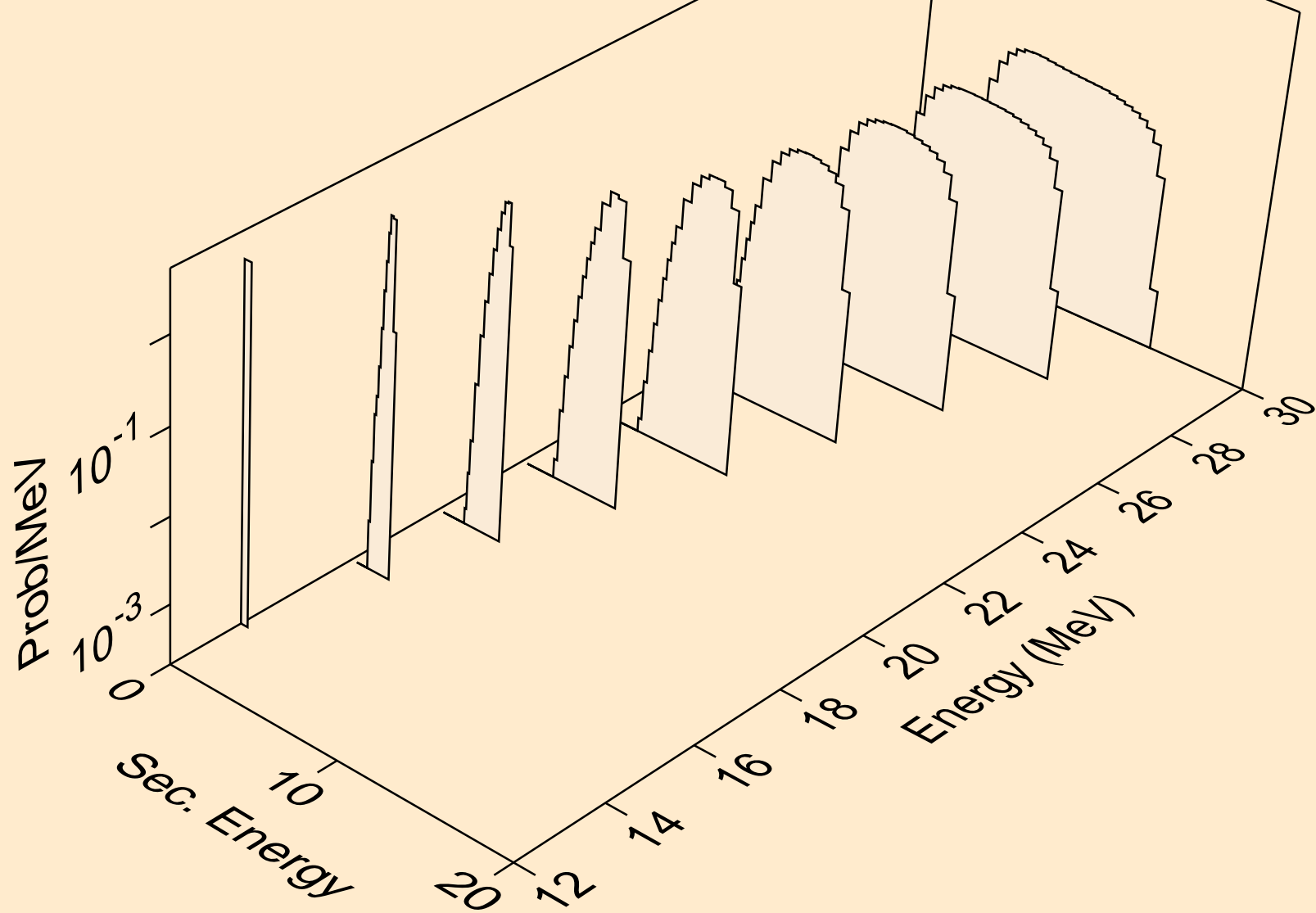
CL040 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,x)



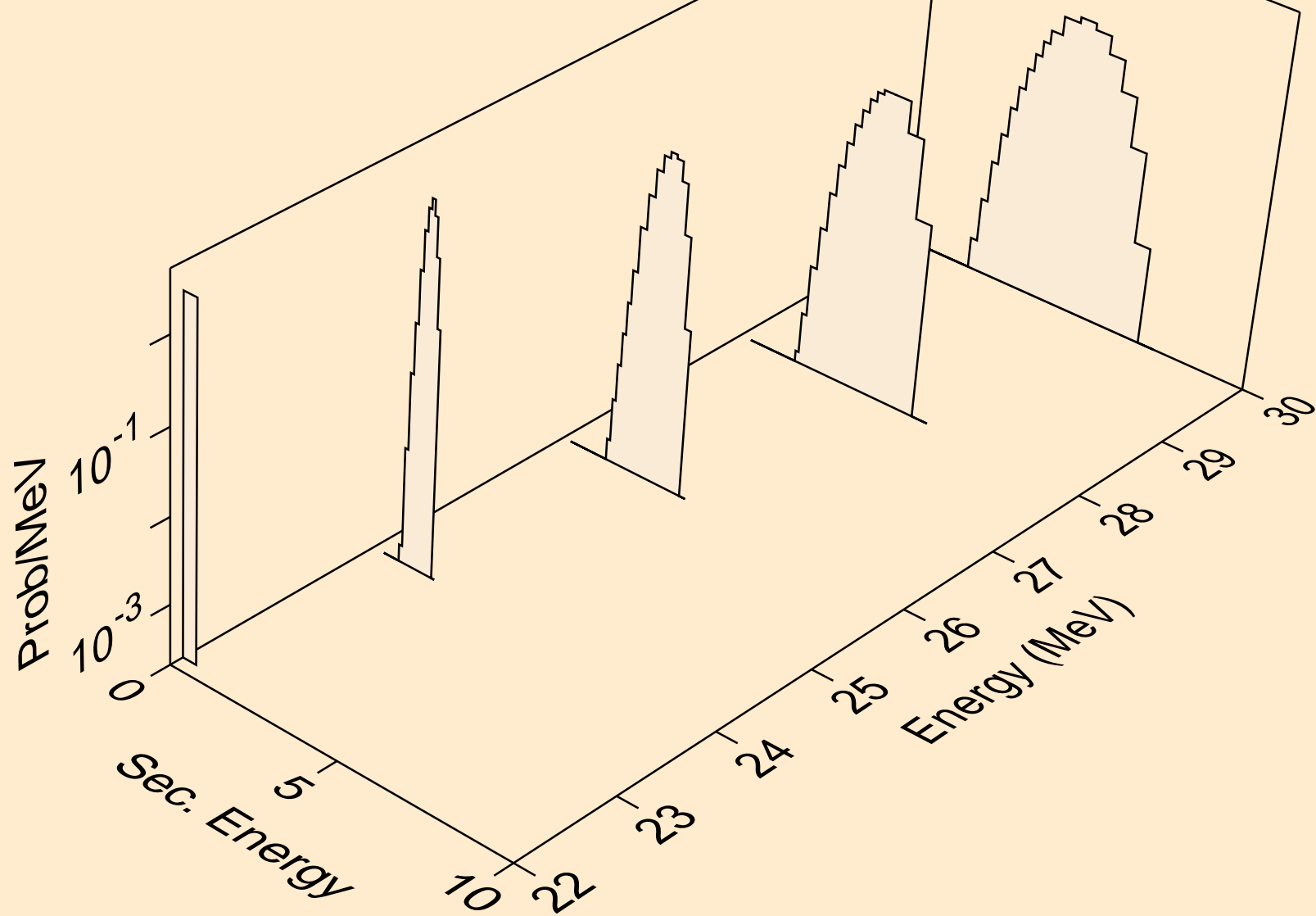
CL040 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)a



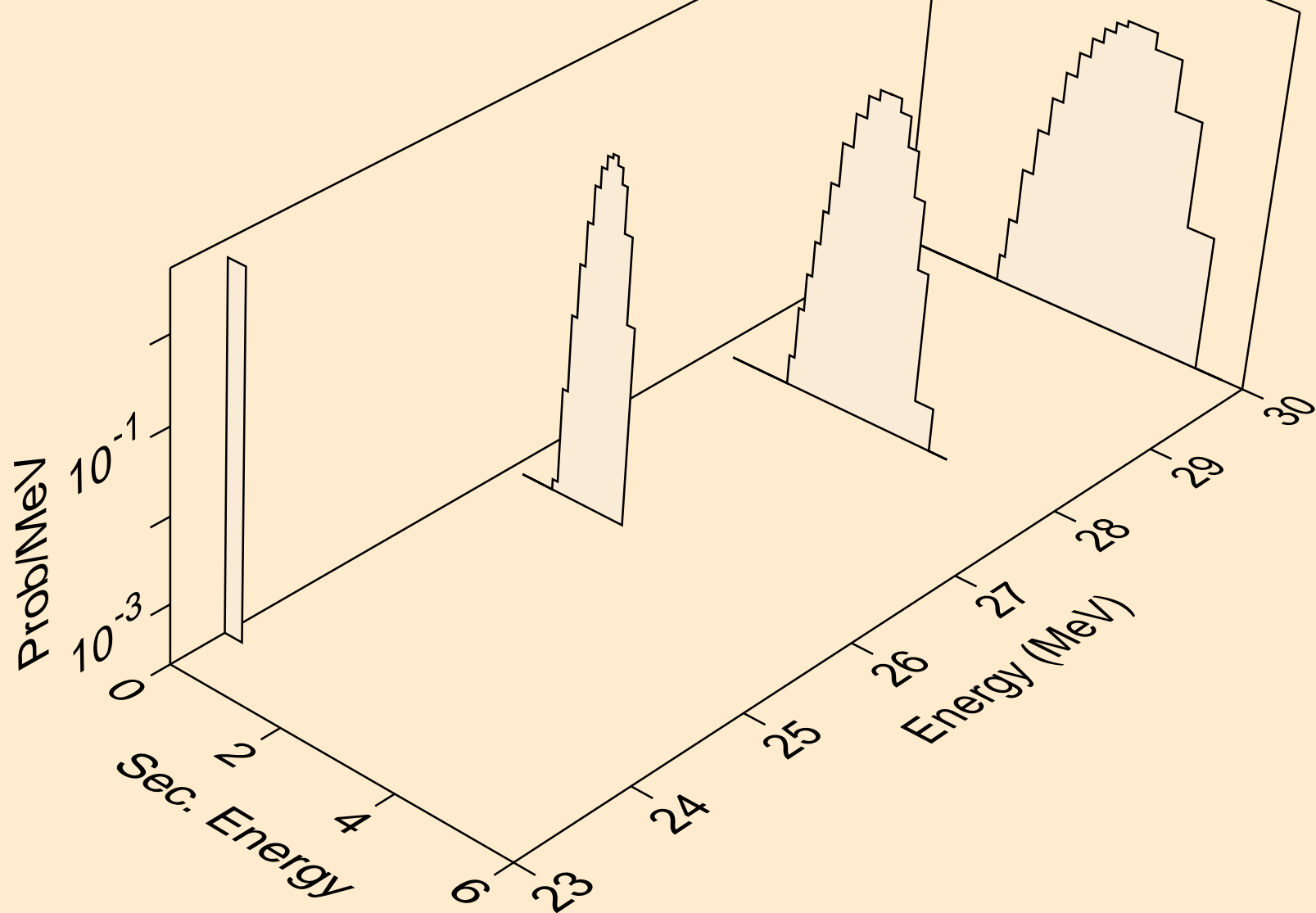
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alphas from (n,2n)a



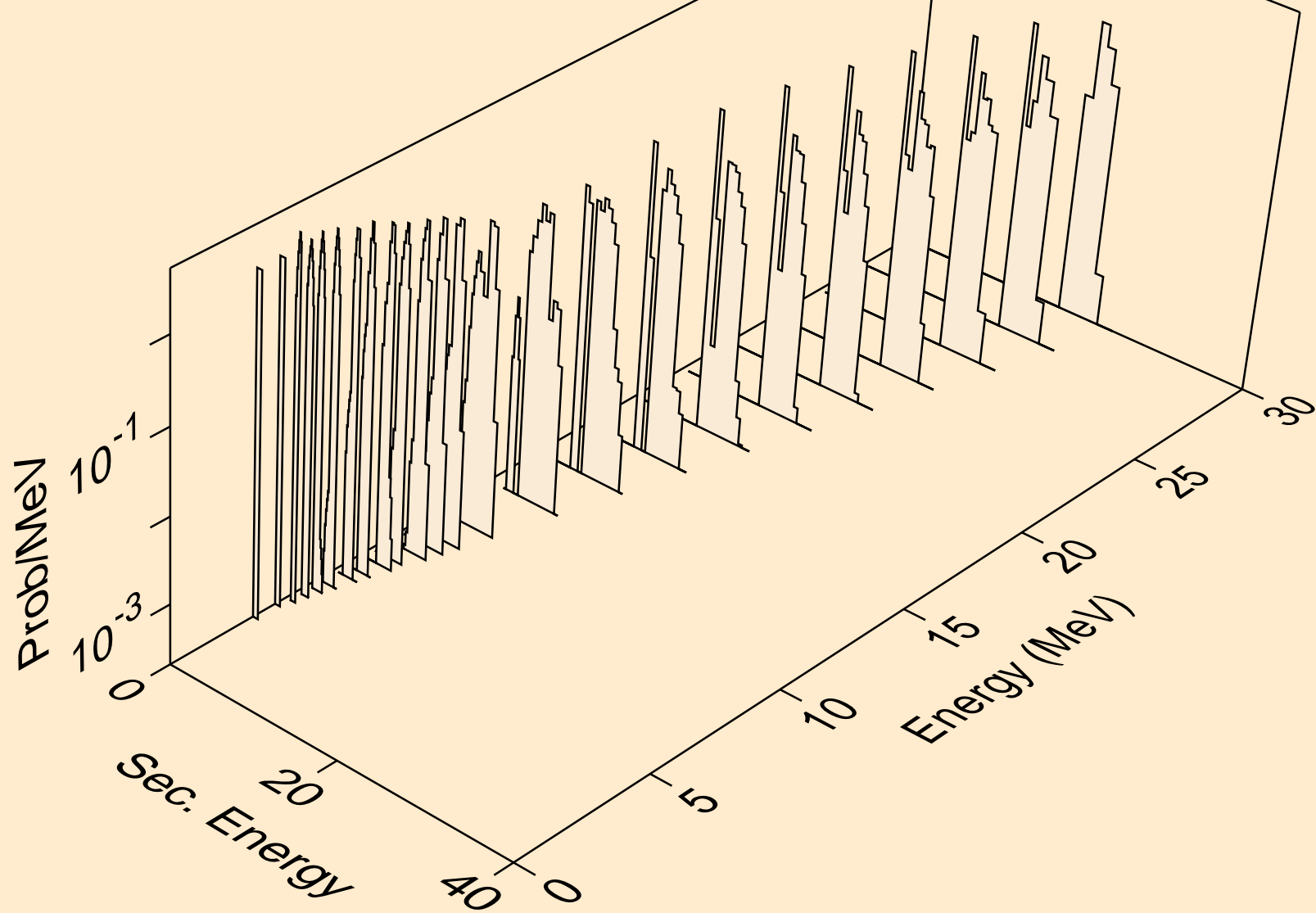
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alphas from (n,3n)a



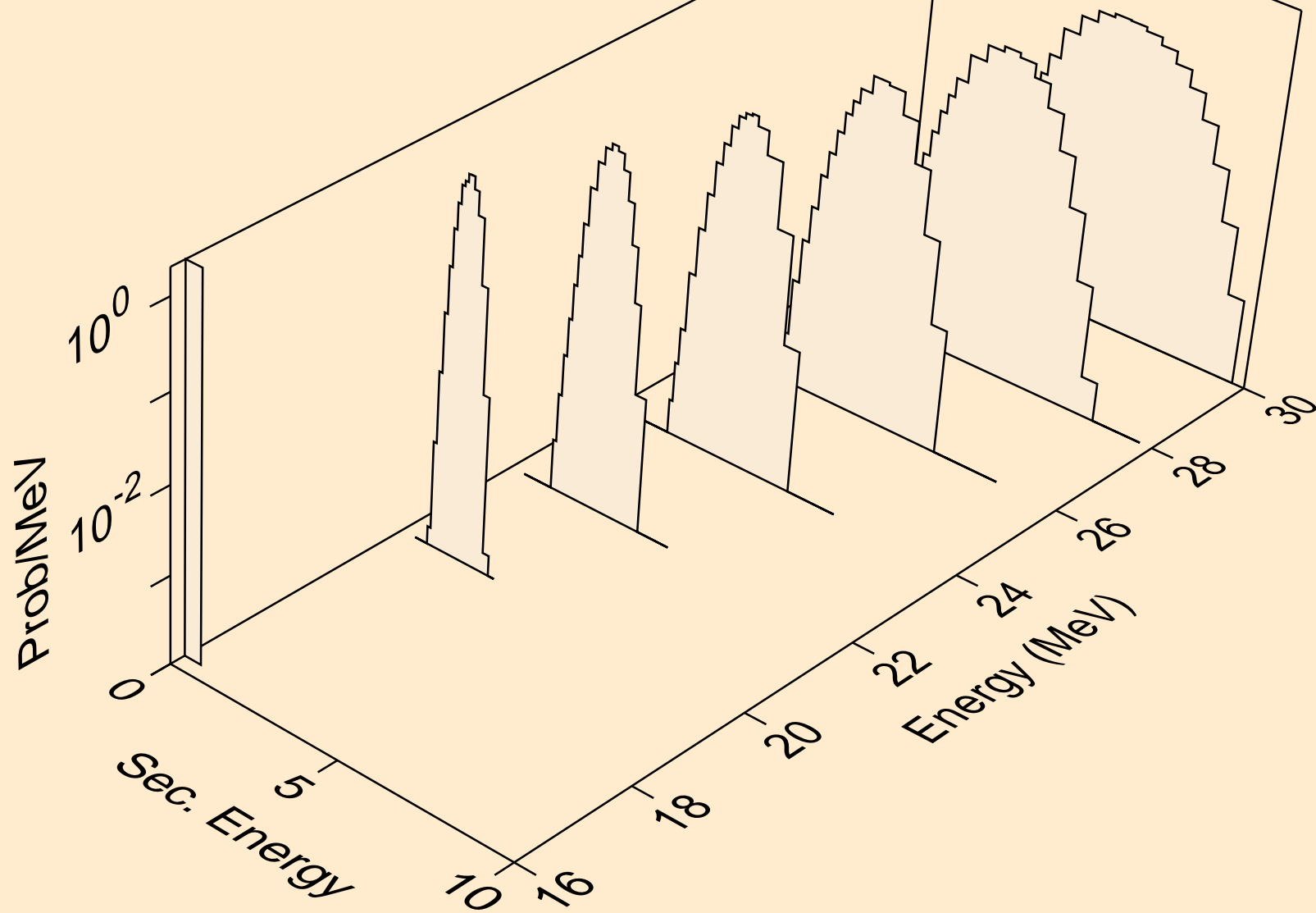
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alphas from (n,npa)



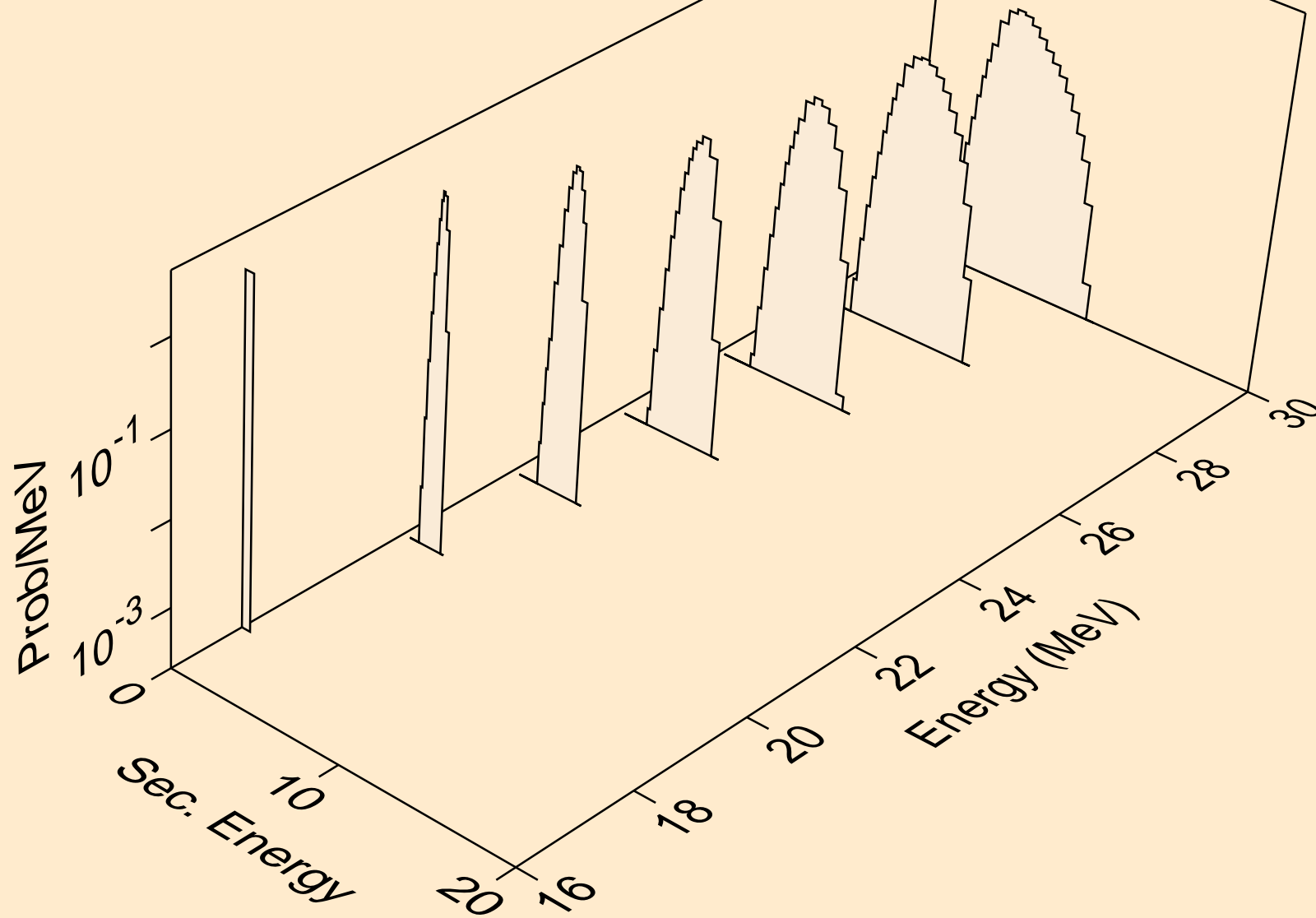
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alphas from (n,a)



CL040 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2a)



CL040 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,pa)





CL040 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,da)

