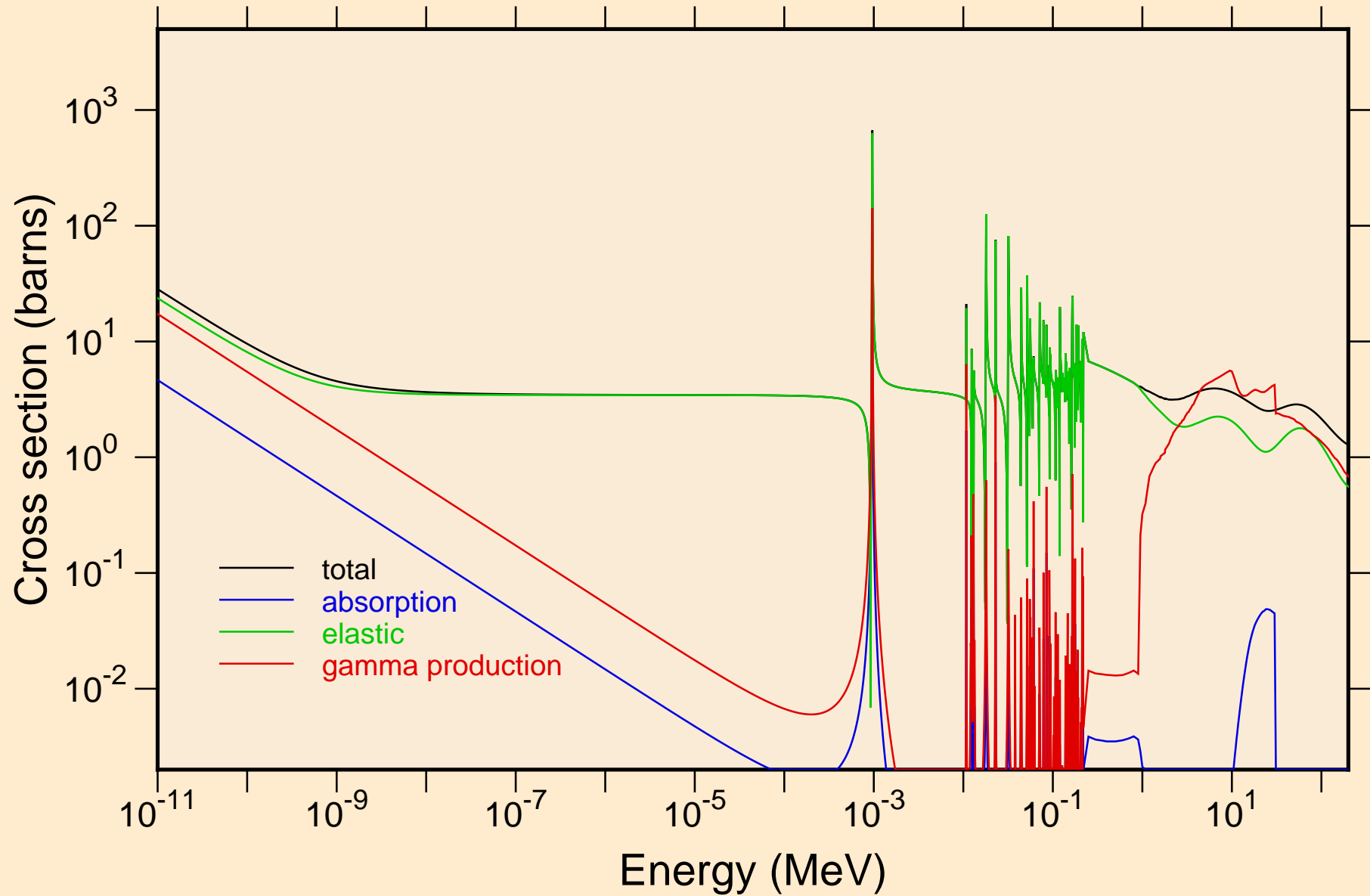
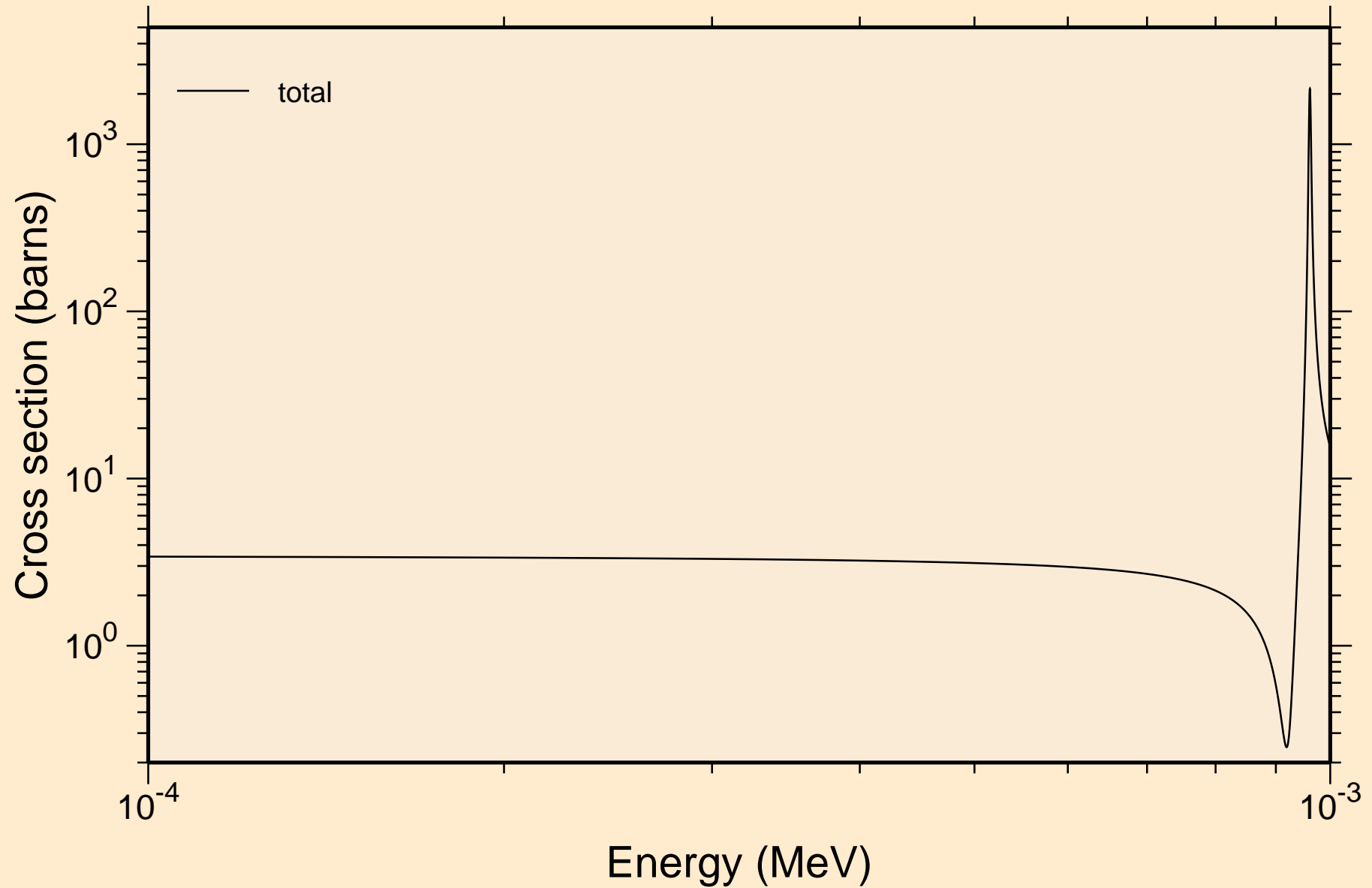


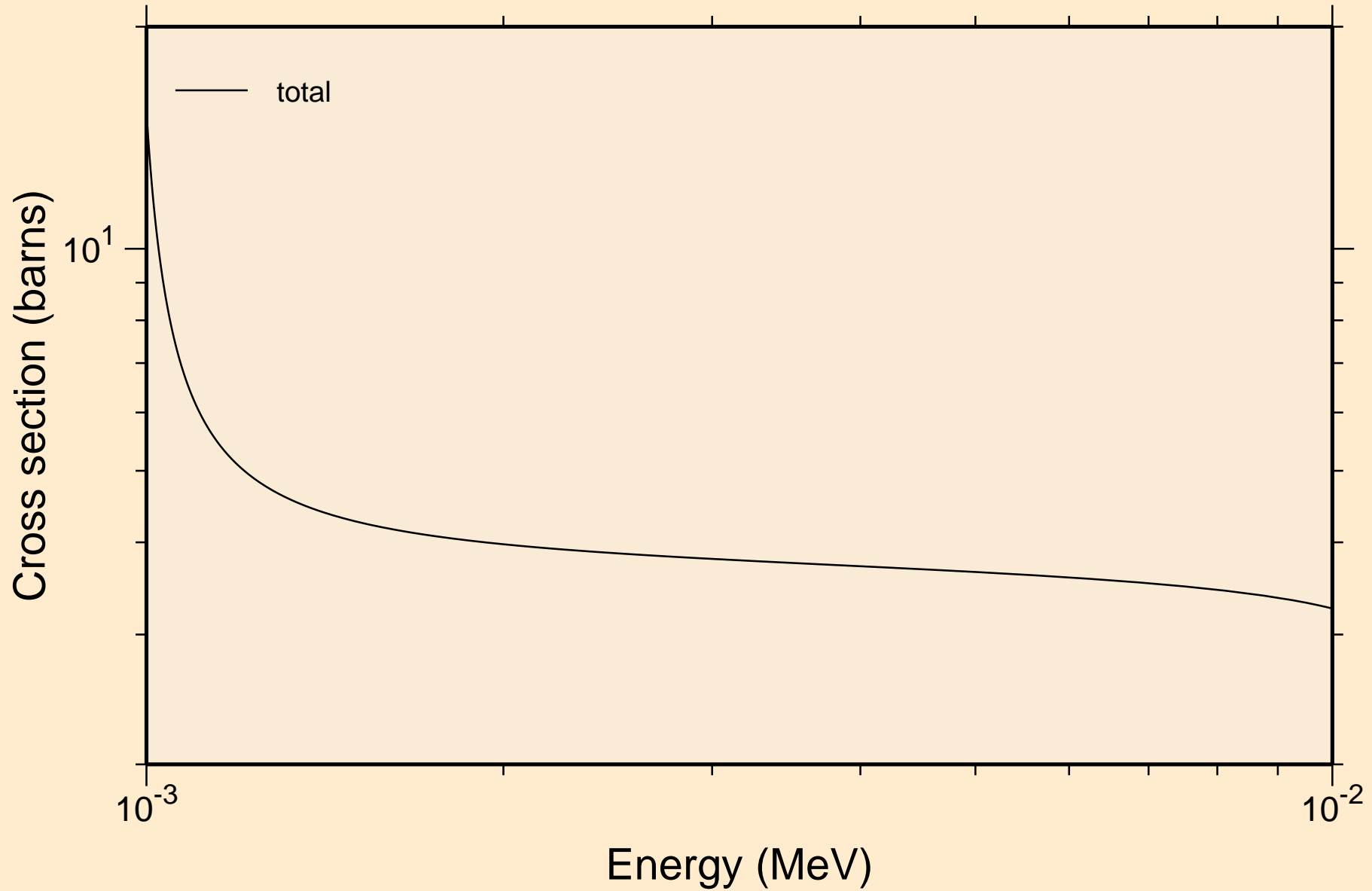
ZN070 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Principal cross sections



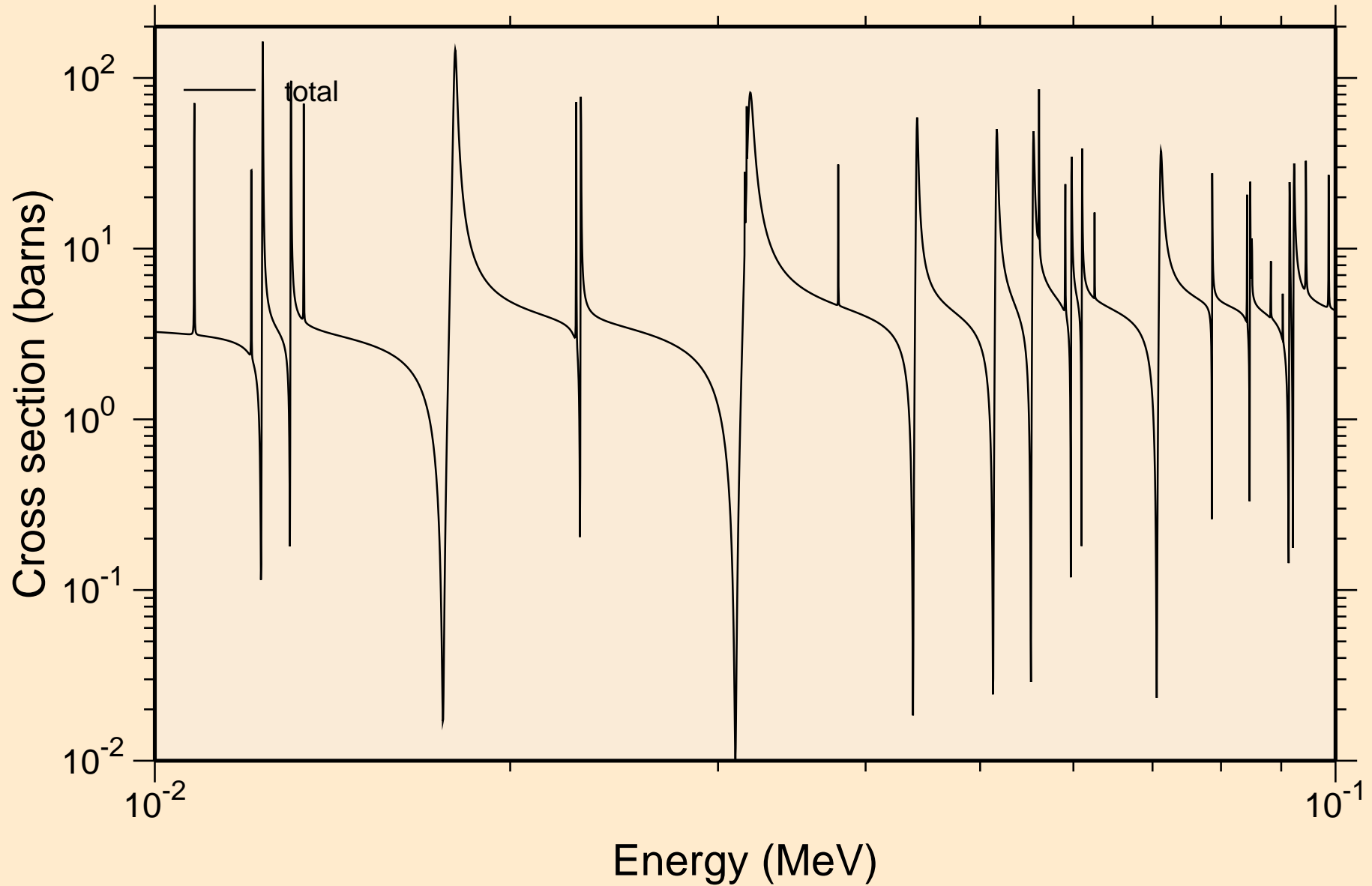
ZN070 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



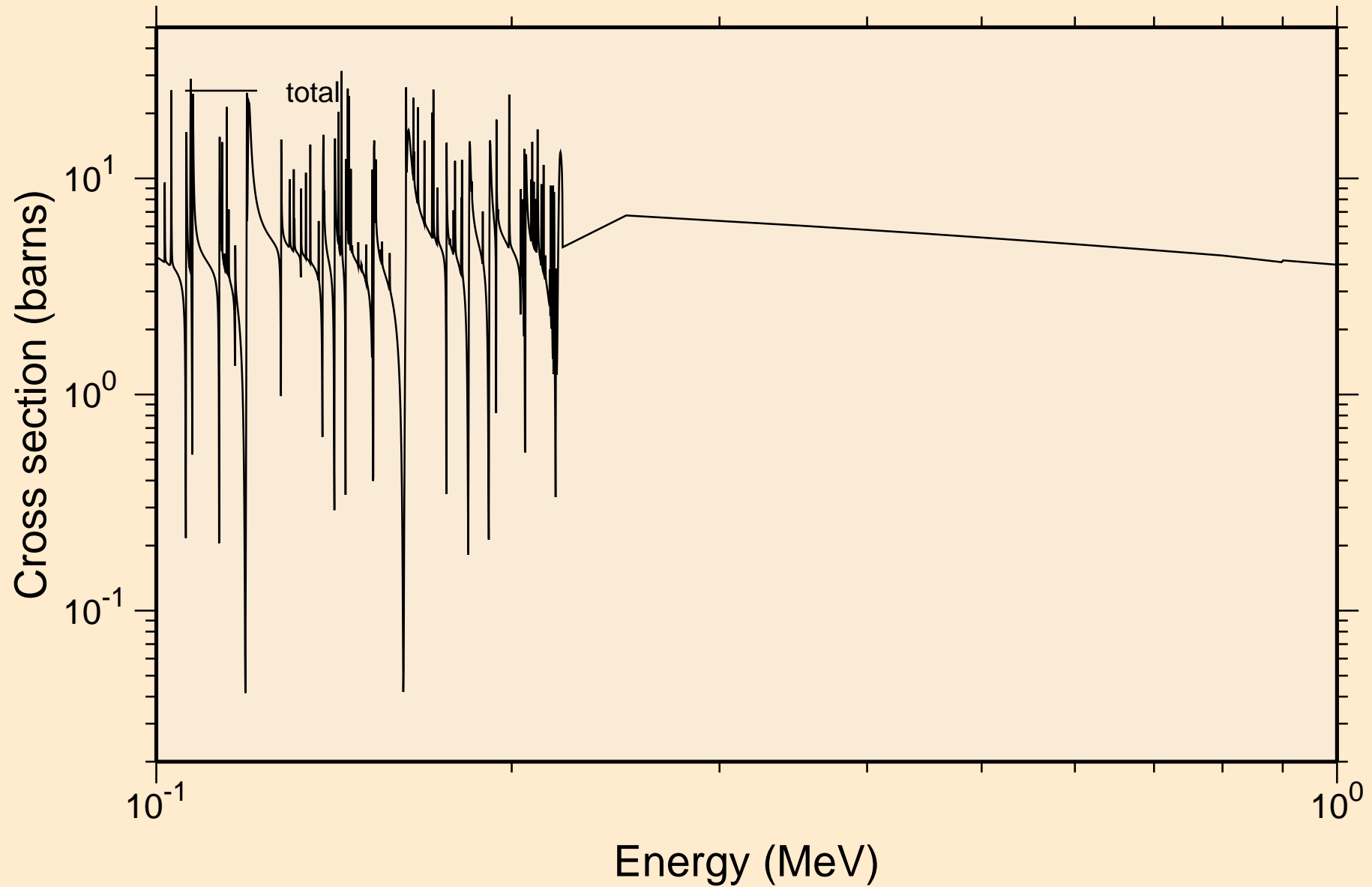
ZN070 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



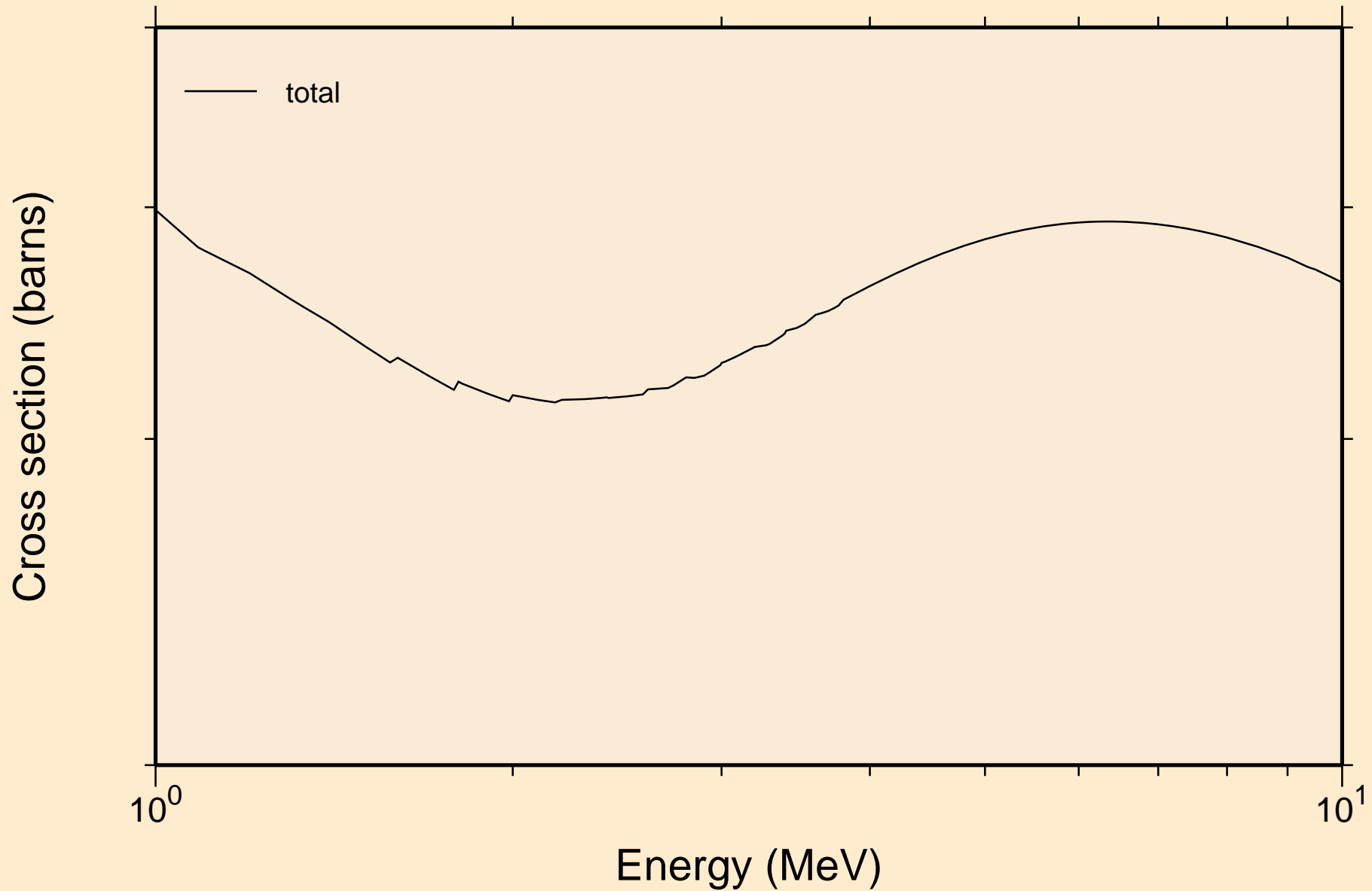
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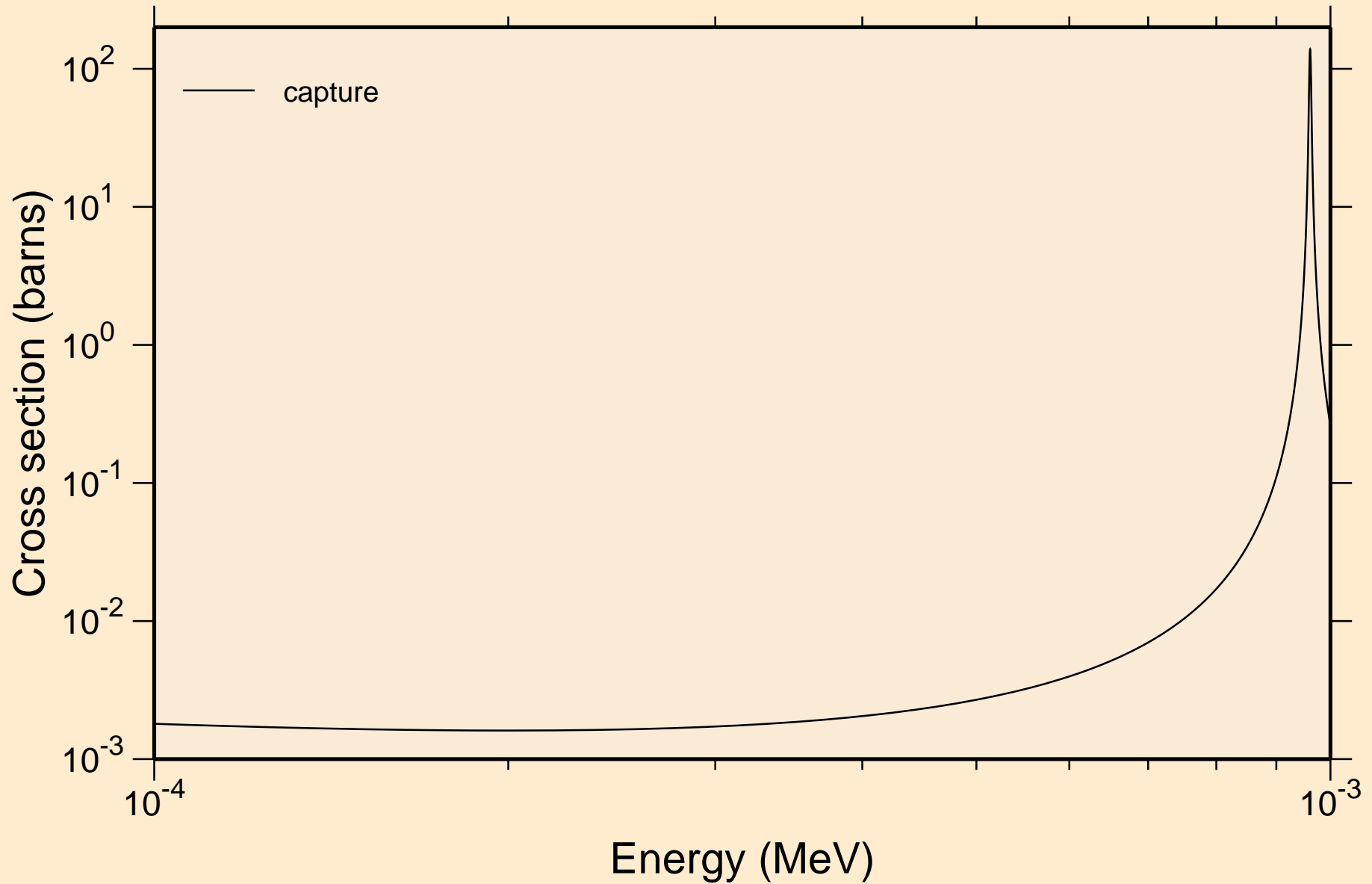
ZN070 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



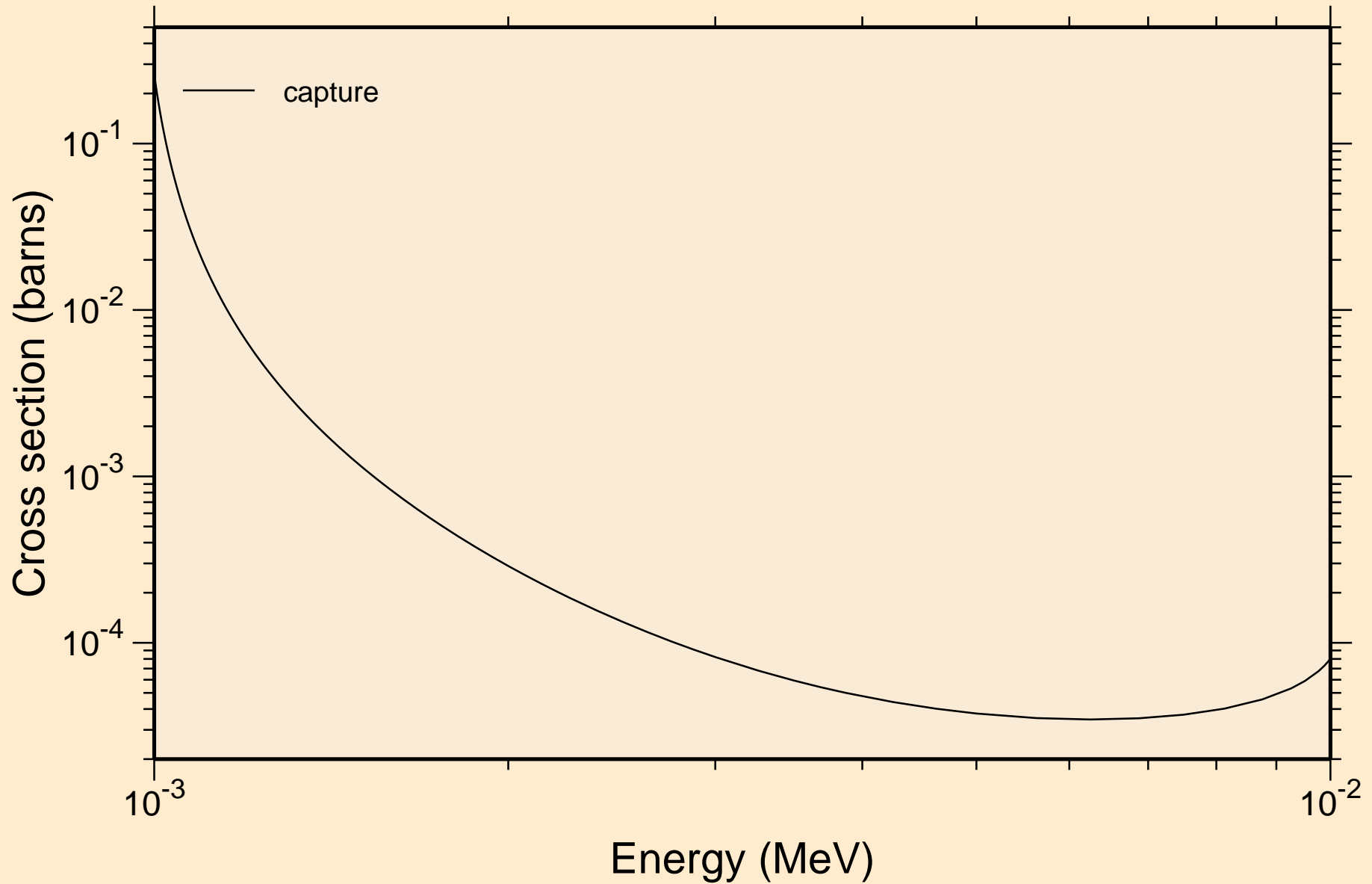
ZN070 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



ZN070 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections

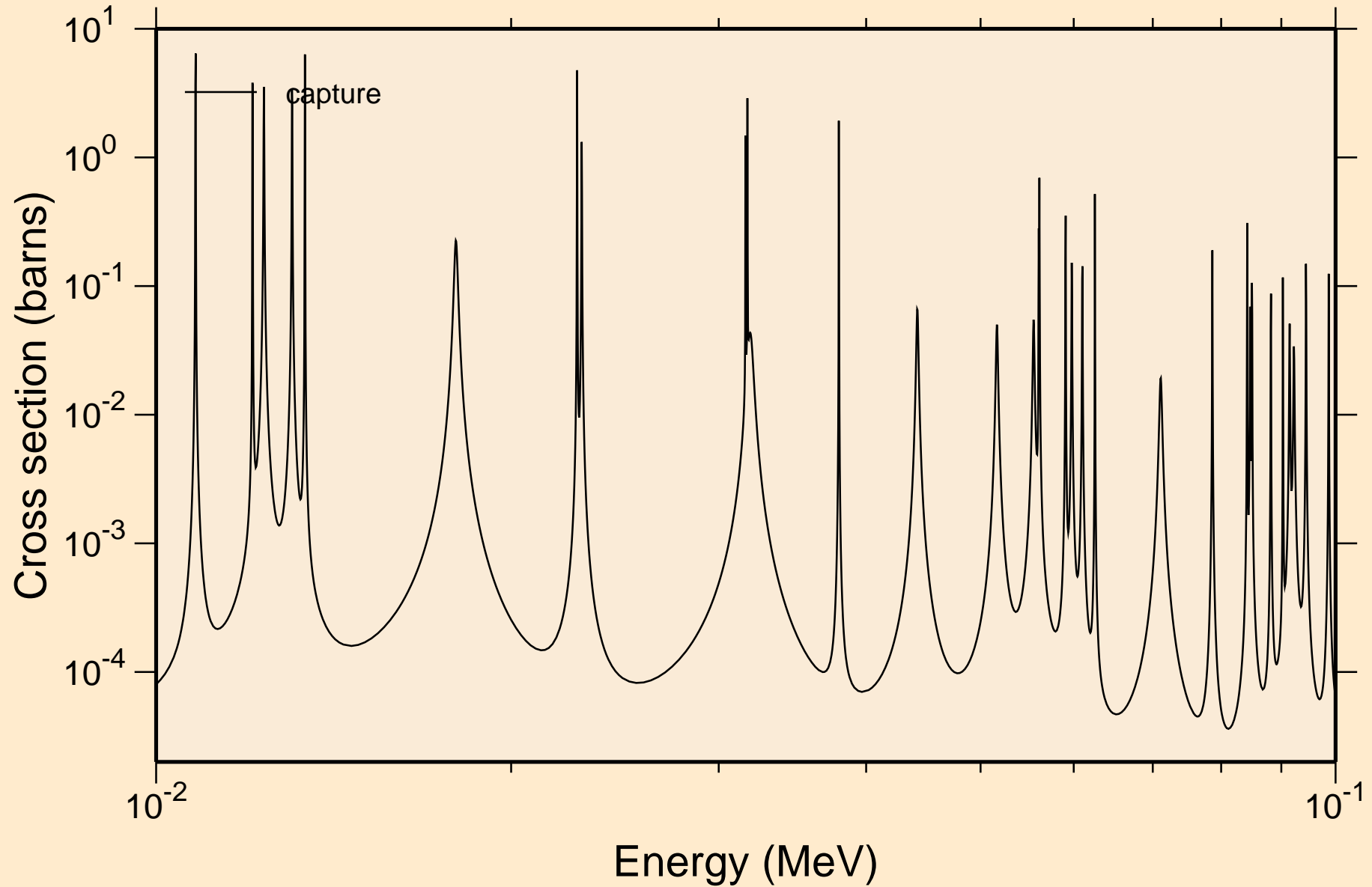


ZN070 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections

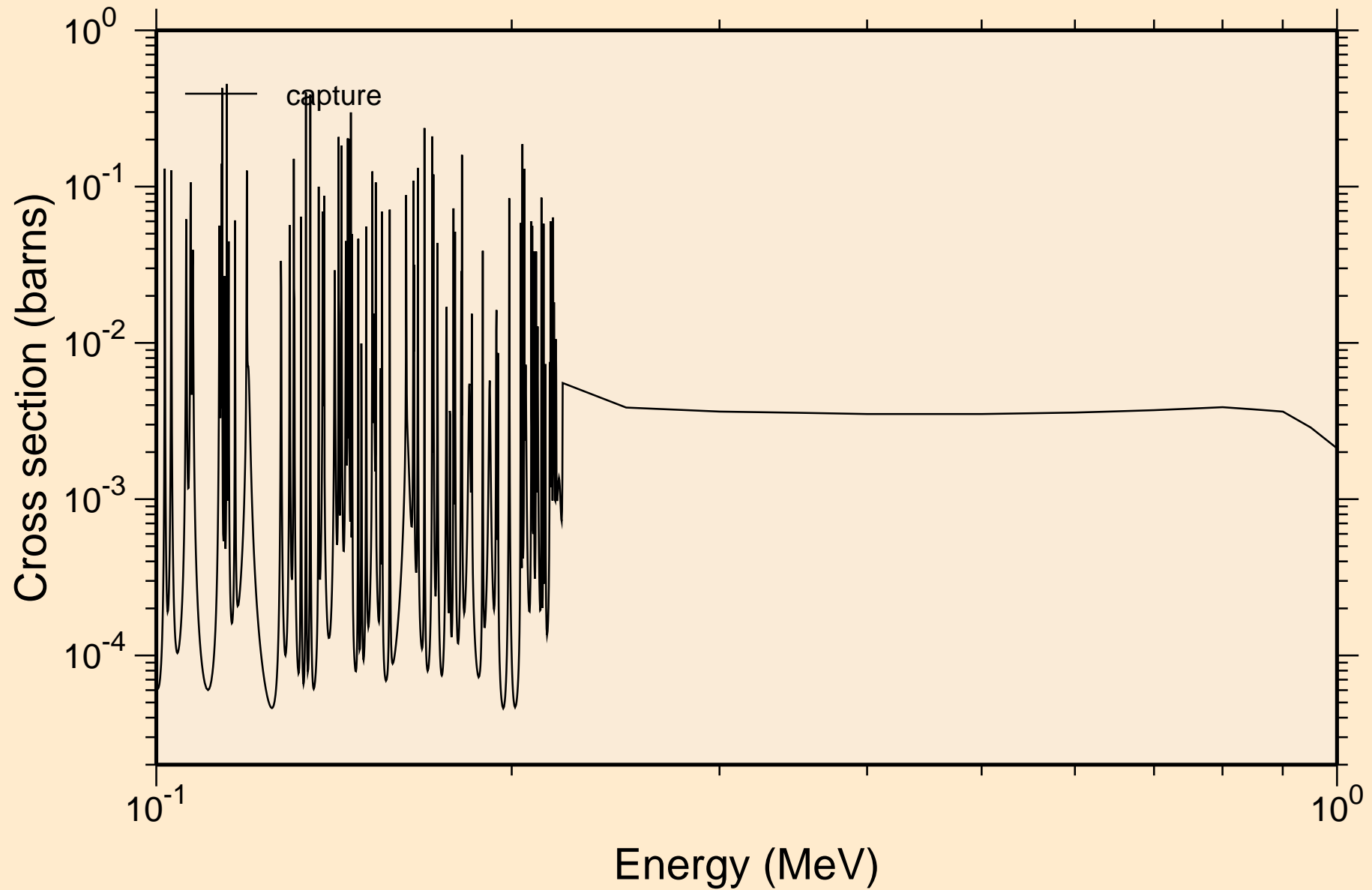




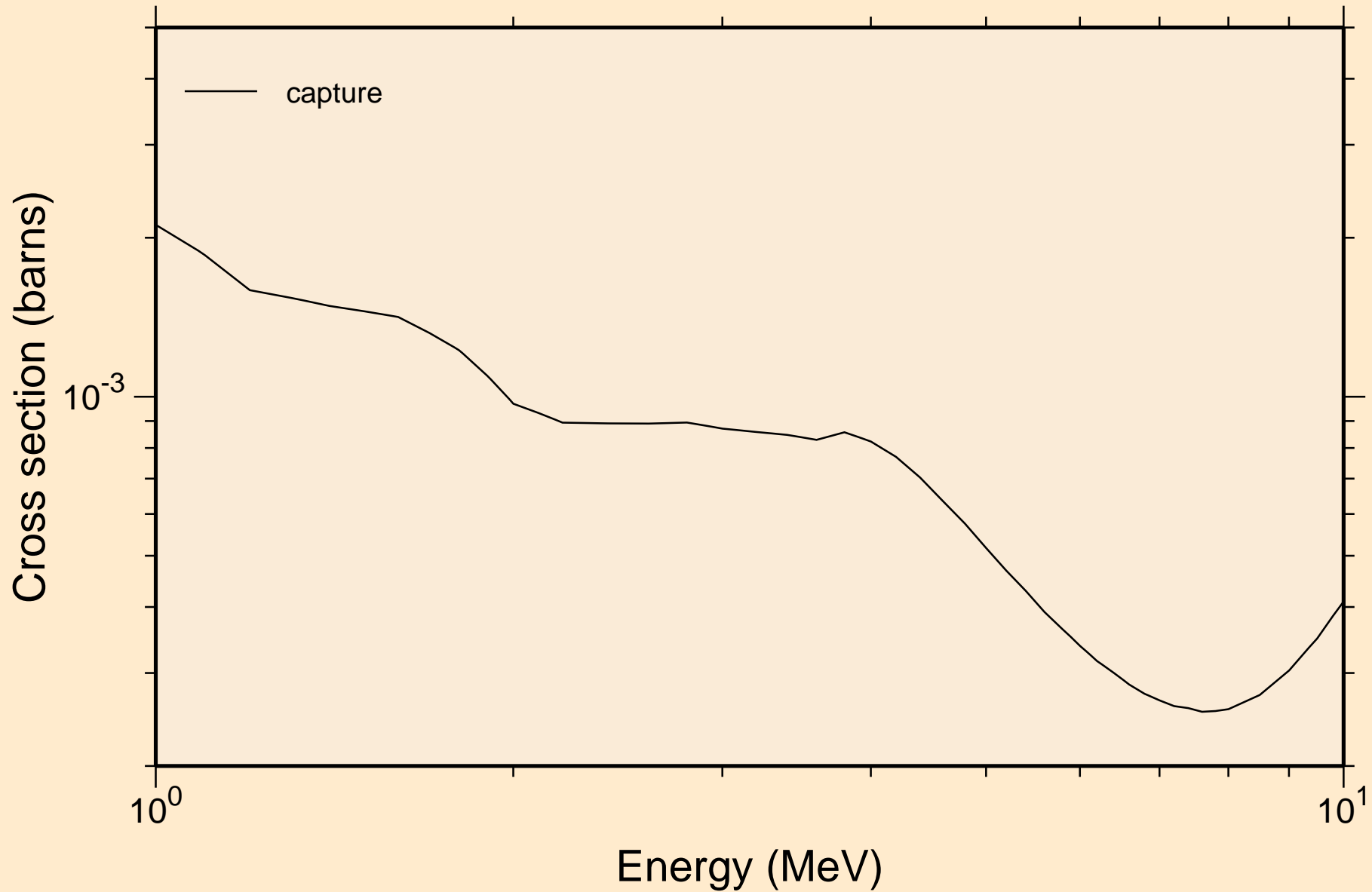
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resonance absorption cross sections



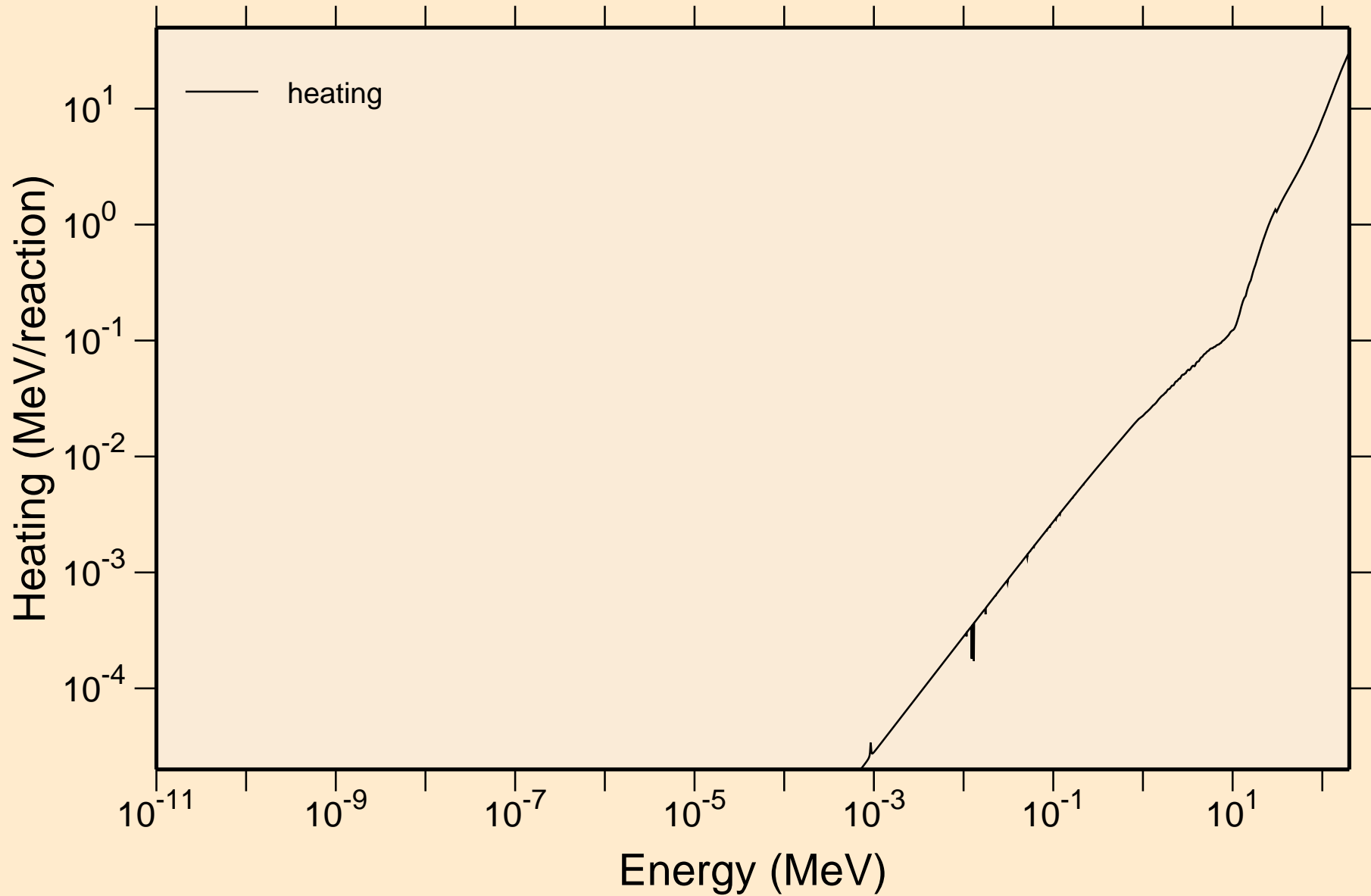
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resonance absorption cross sections



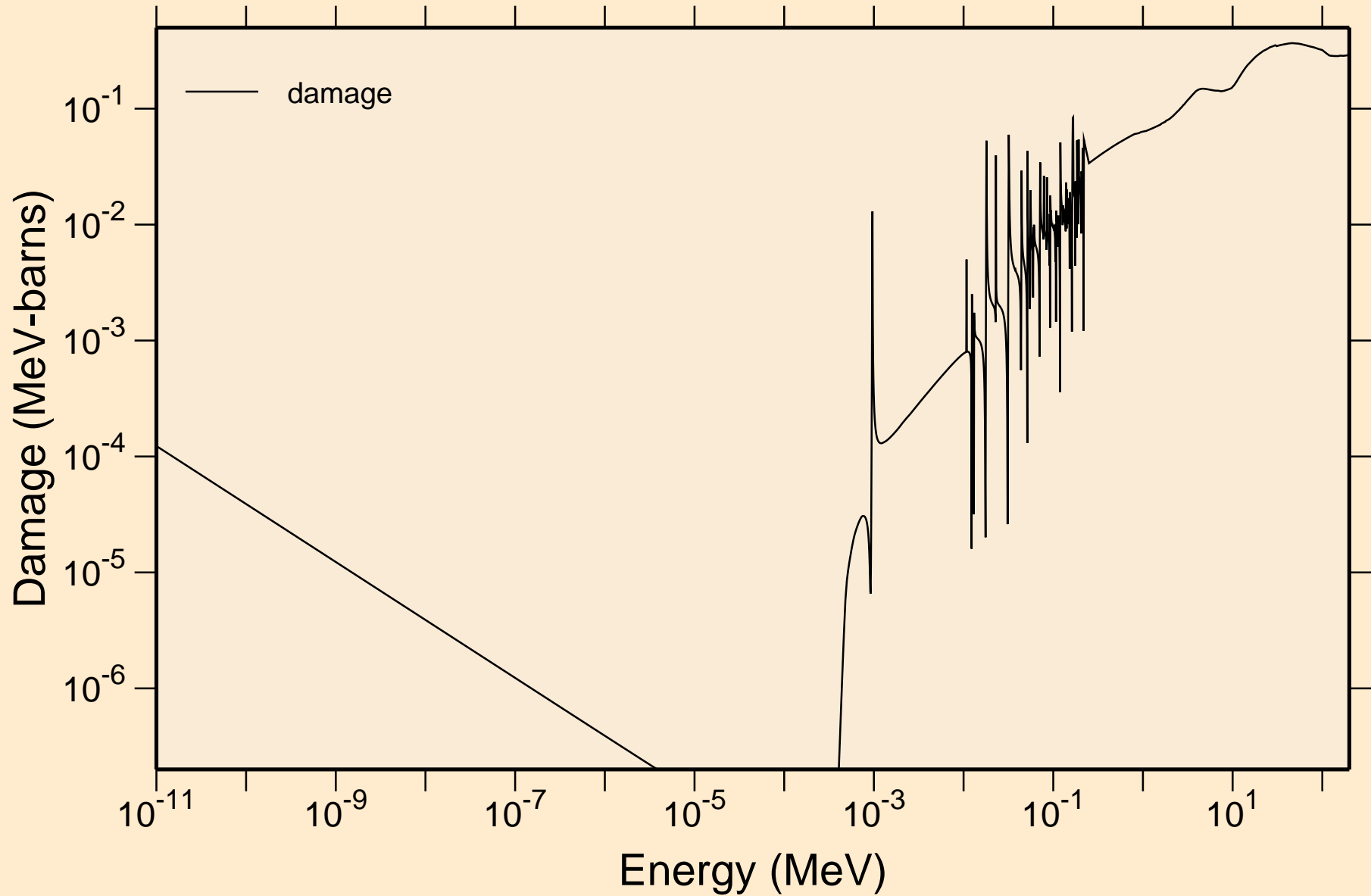
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resonance absorption cross sections



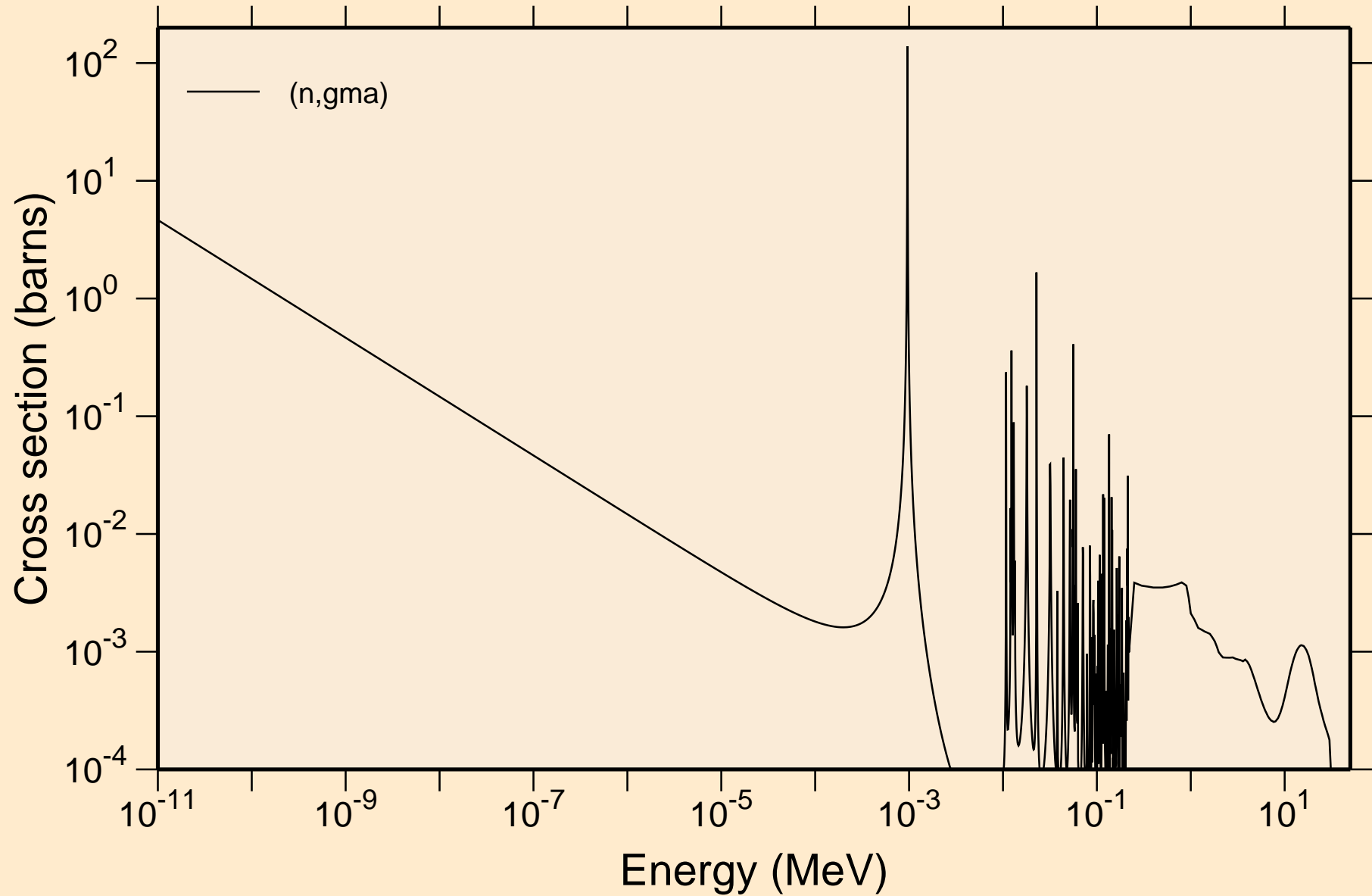
ZN070 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Heating



ZN070 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Damage

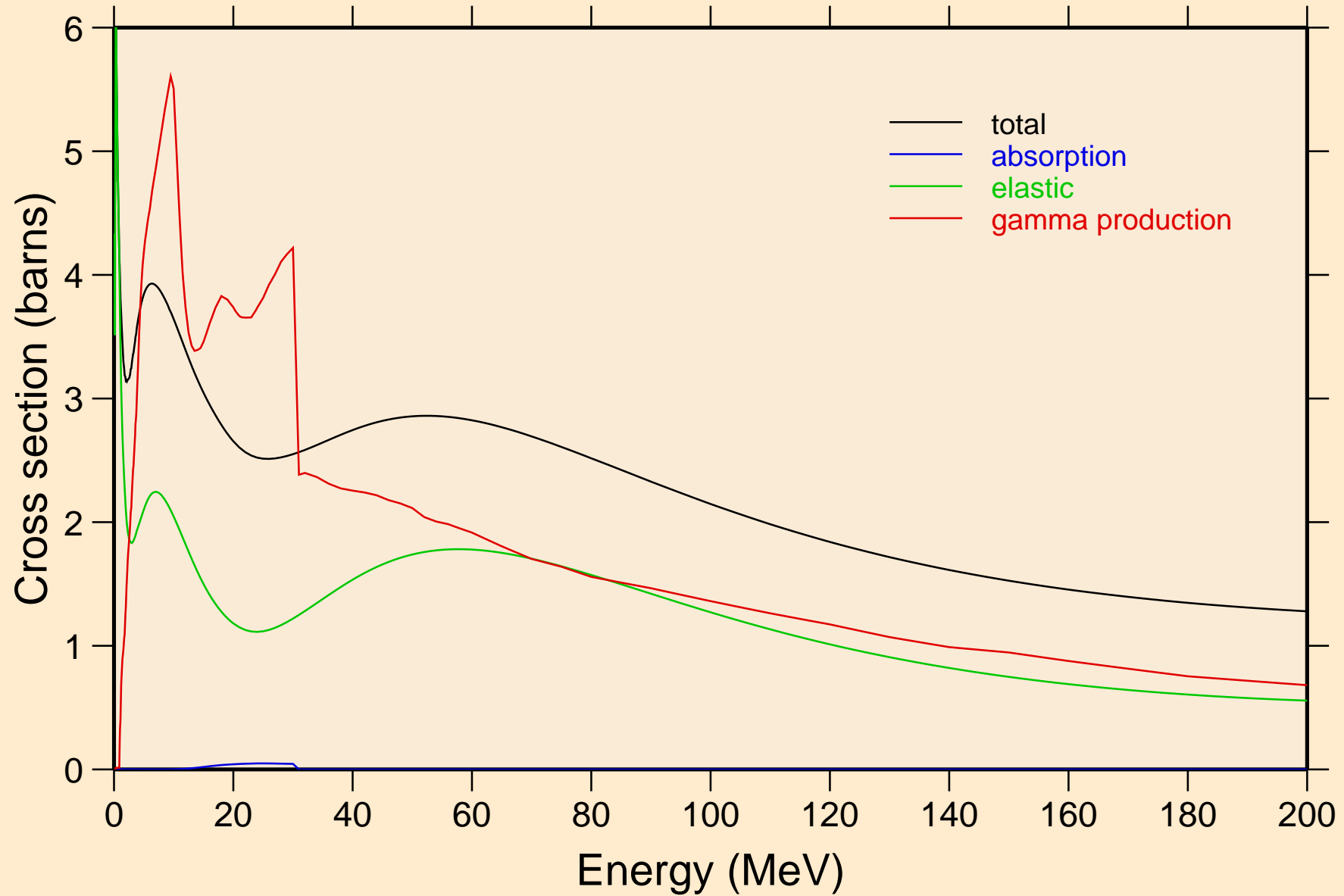


ZN070 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions



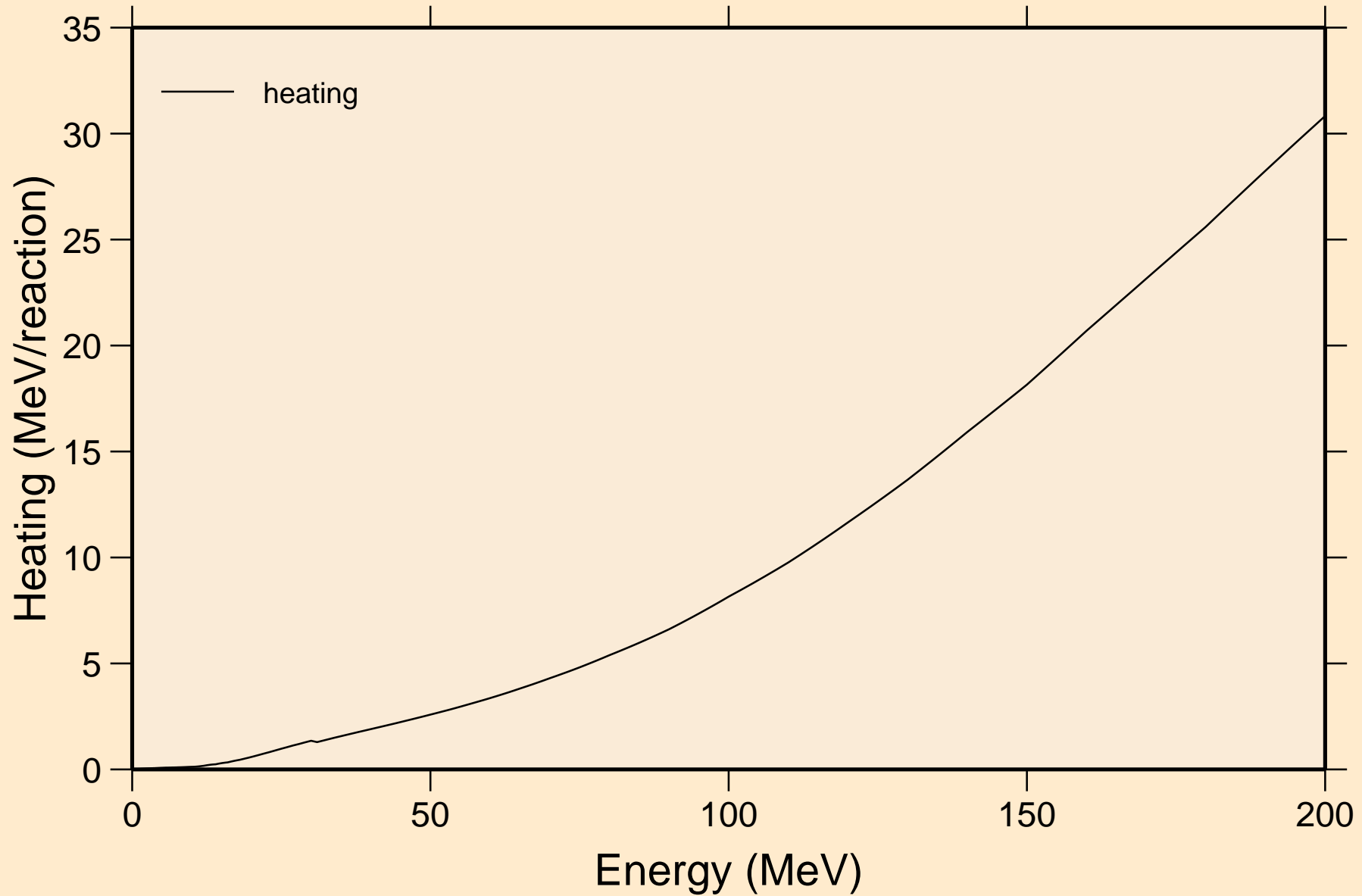
# ZN070 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Principal cross sections



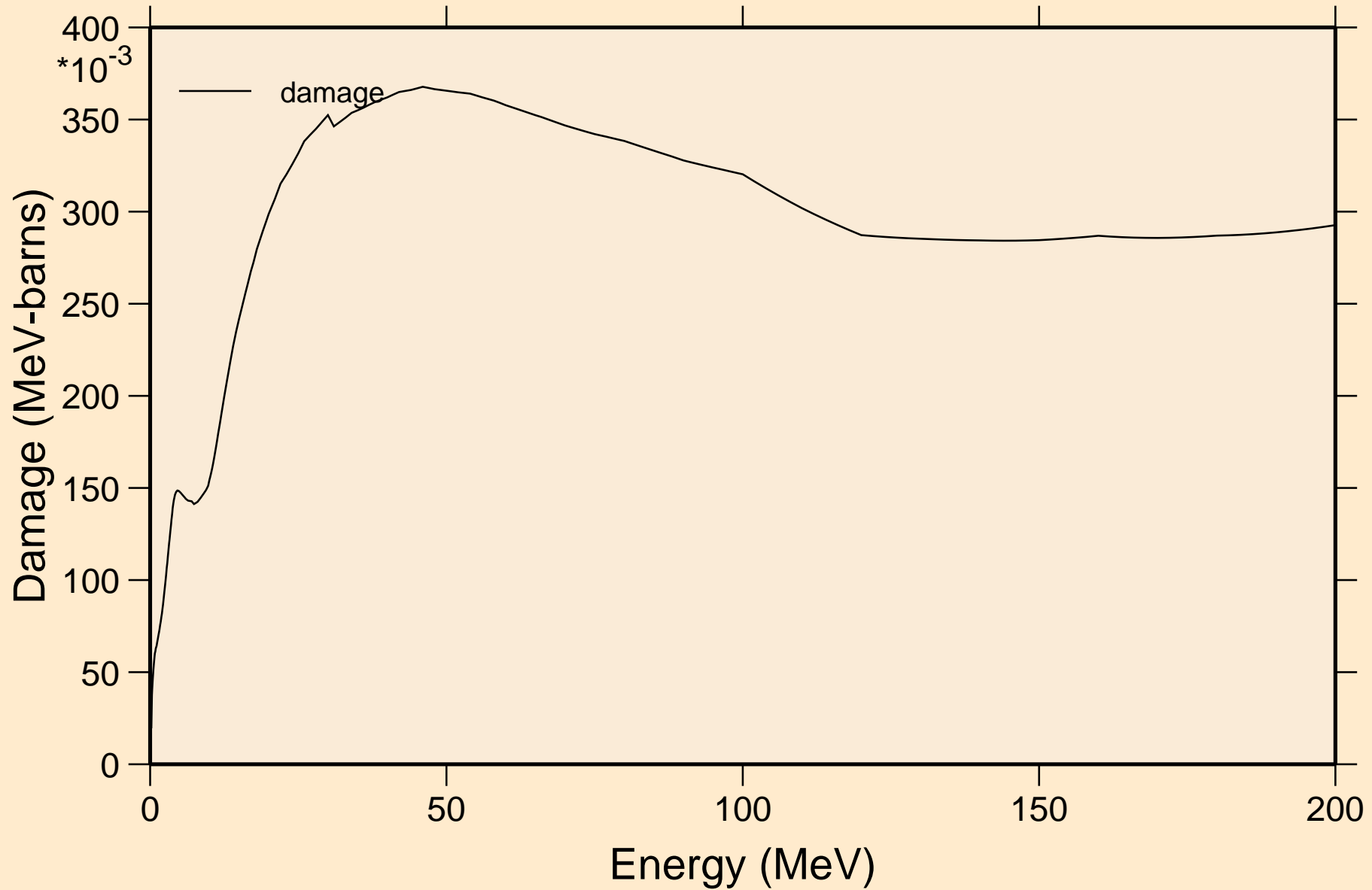
# ZN070 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Heating

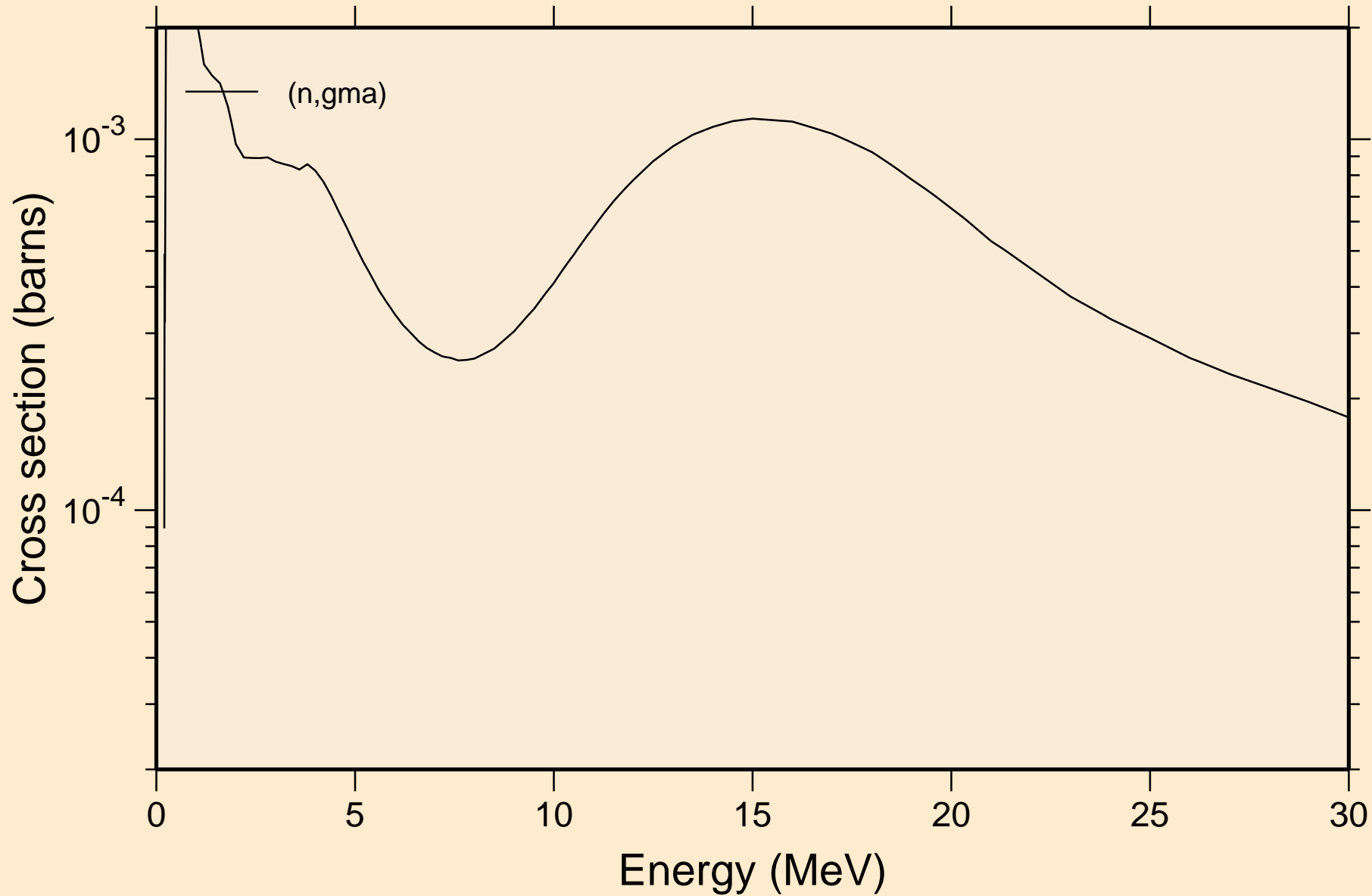




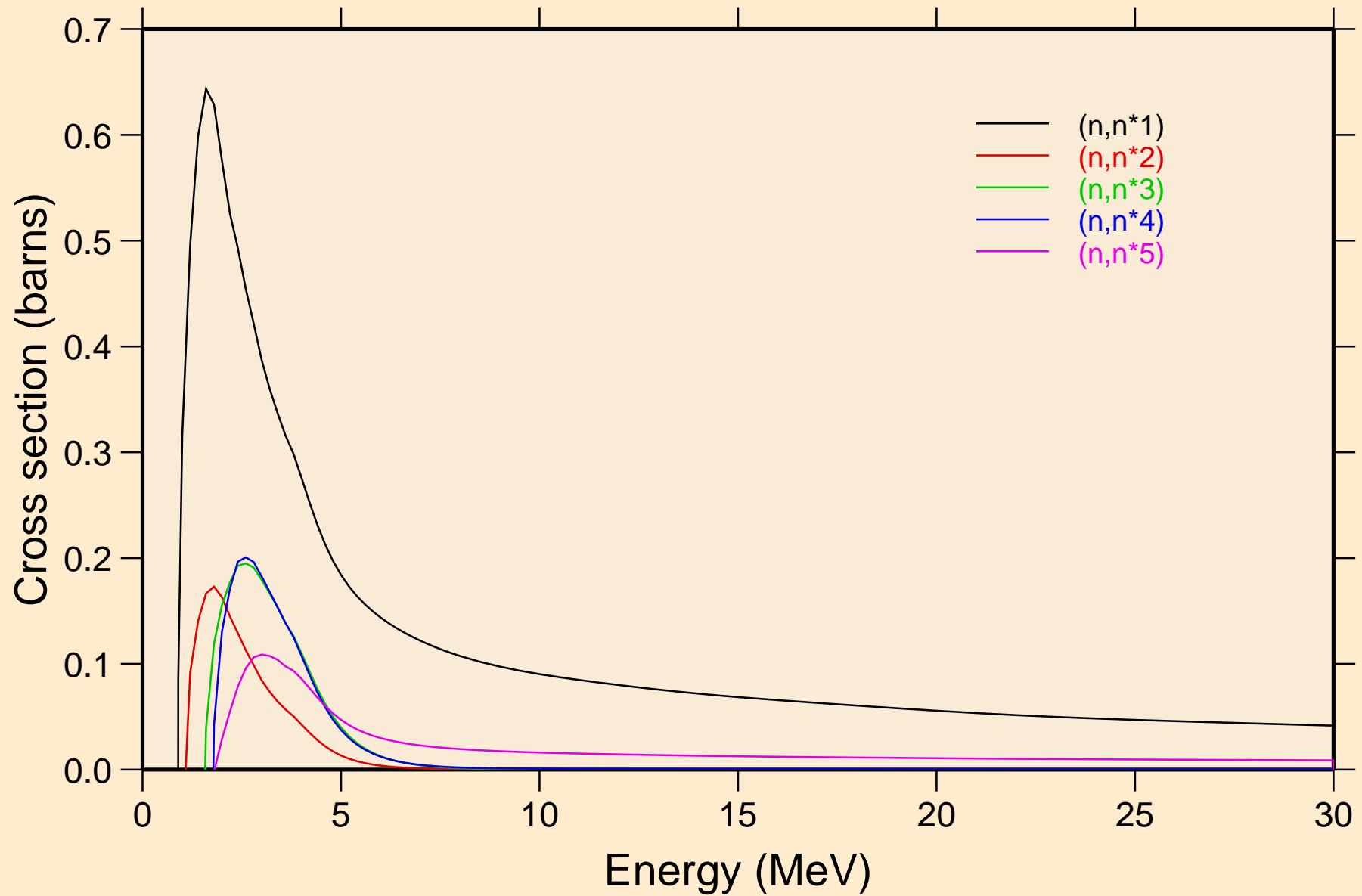
ZN070 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Damage



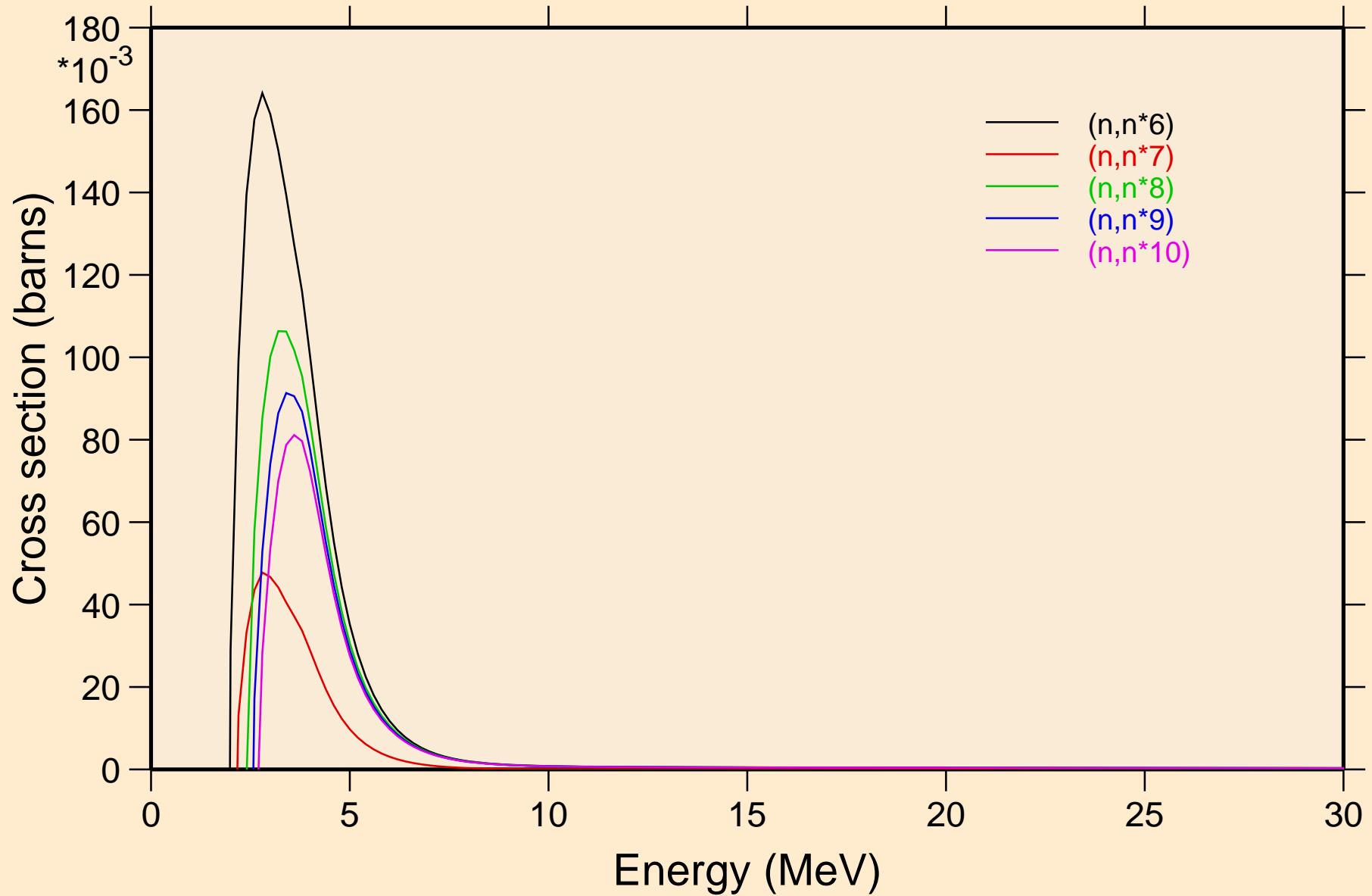
ZN070 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions



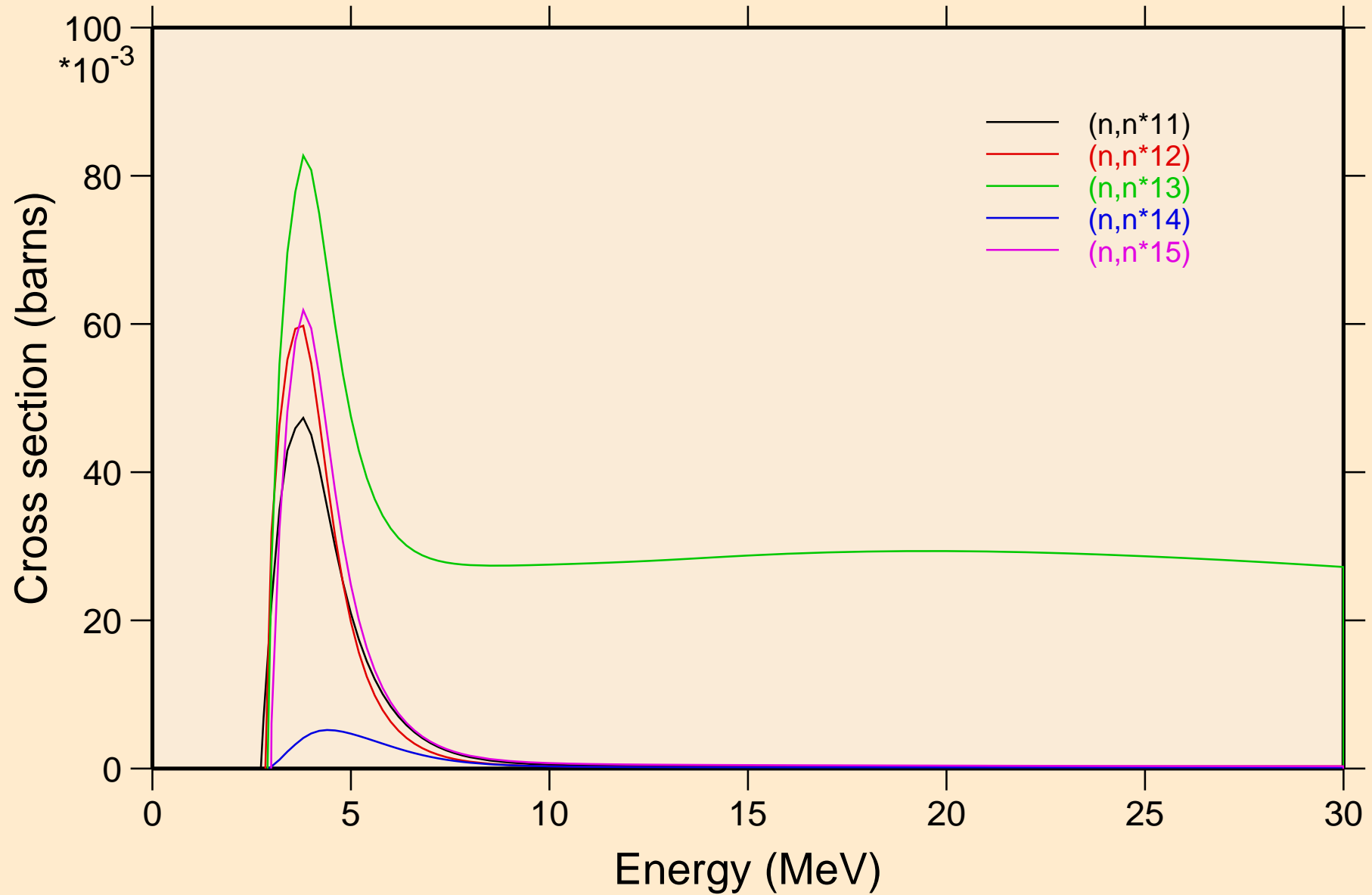
ZN070 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



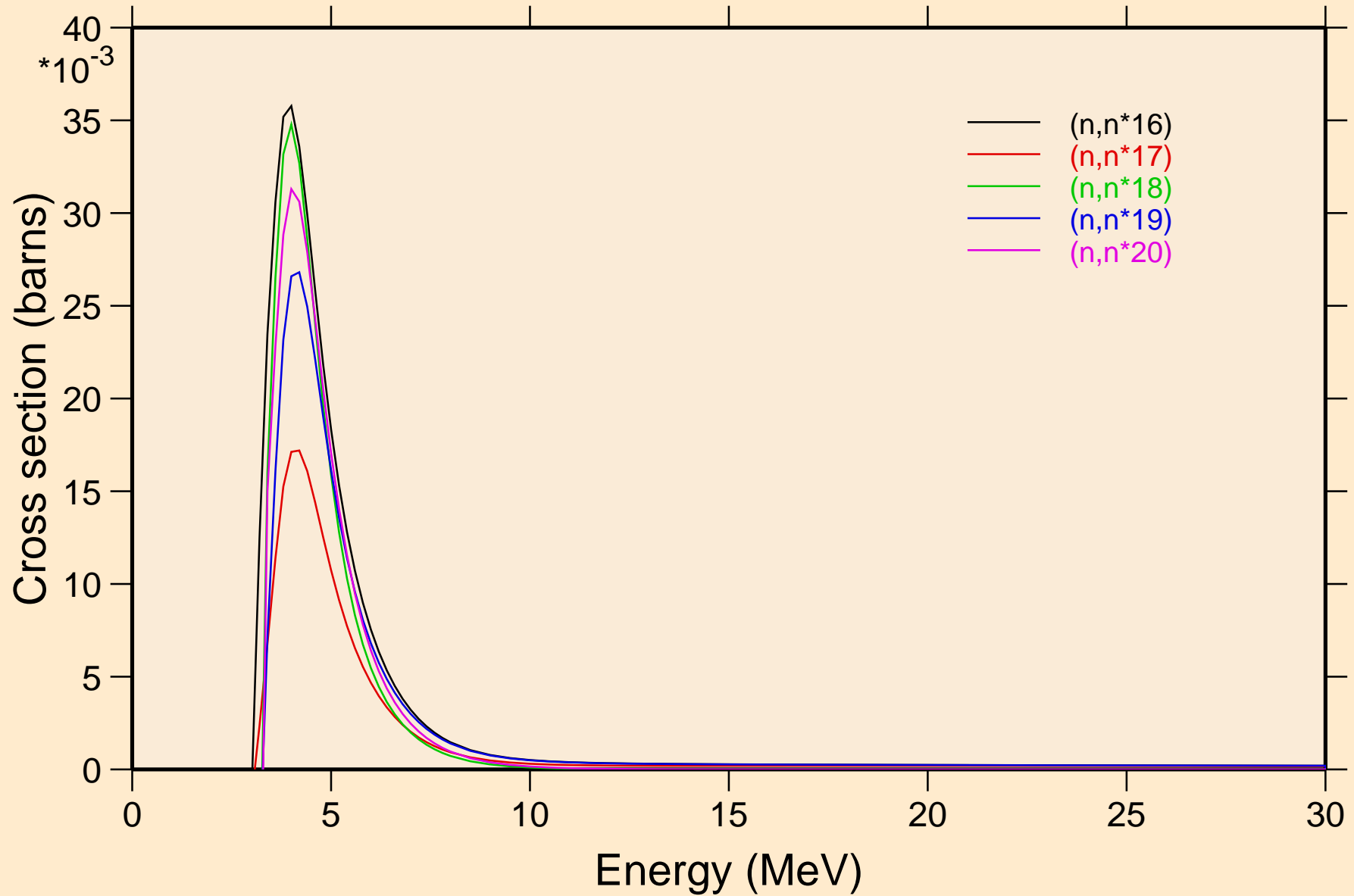
ZN070 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



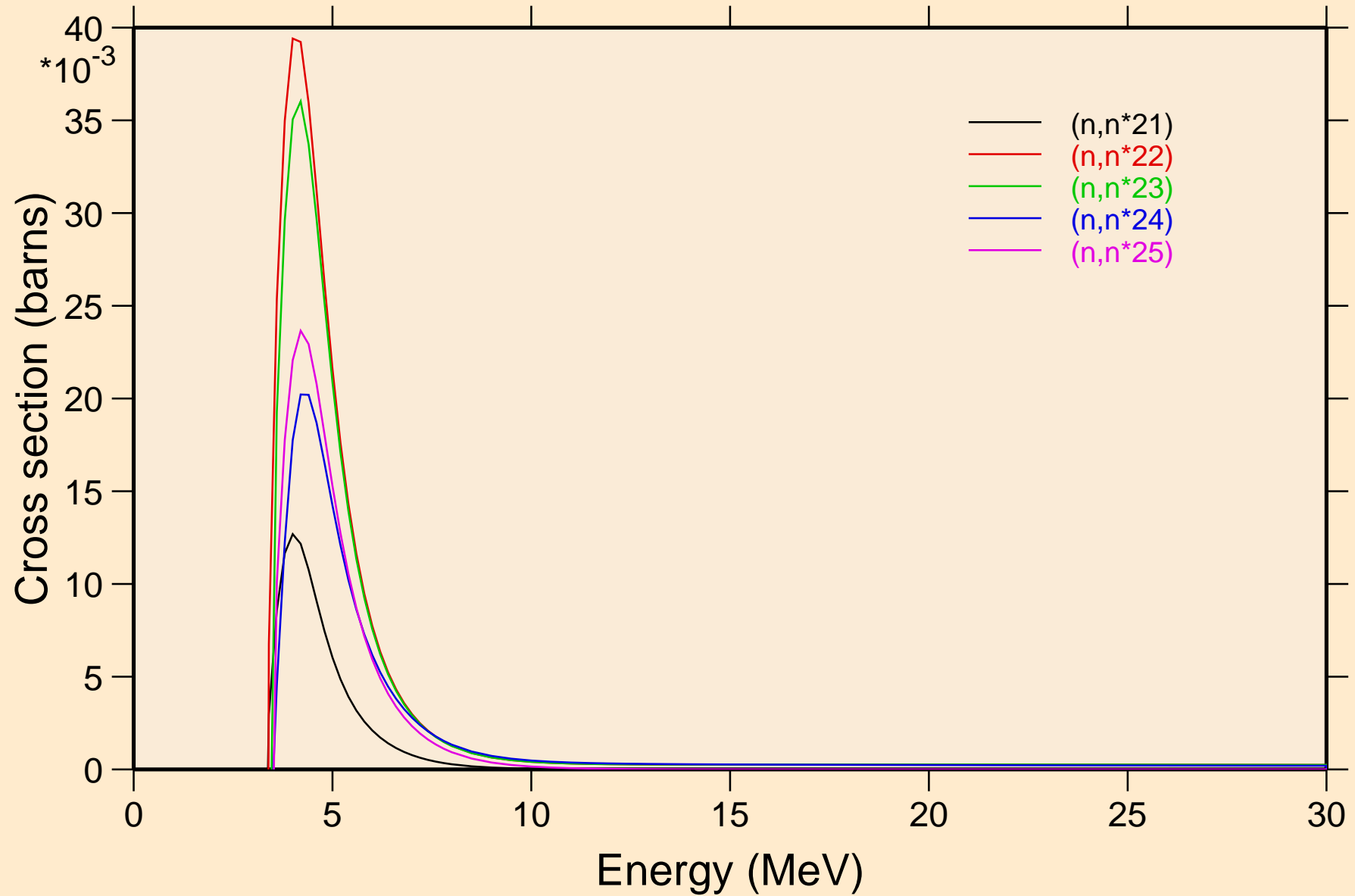
ZN070 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



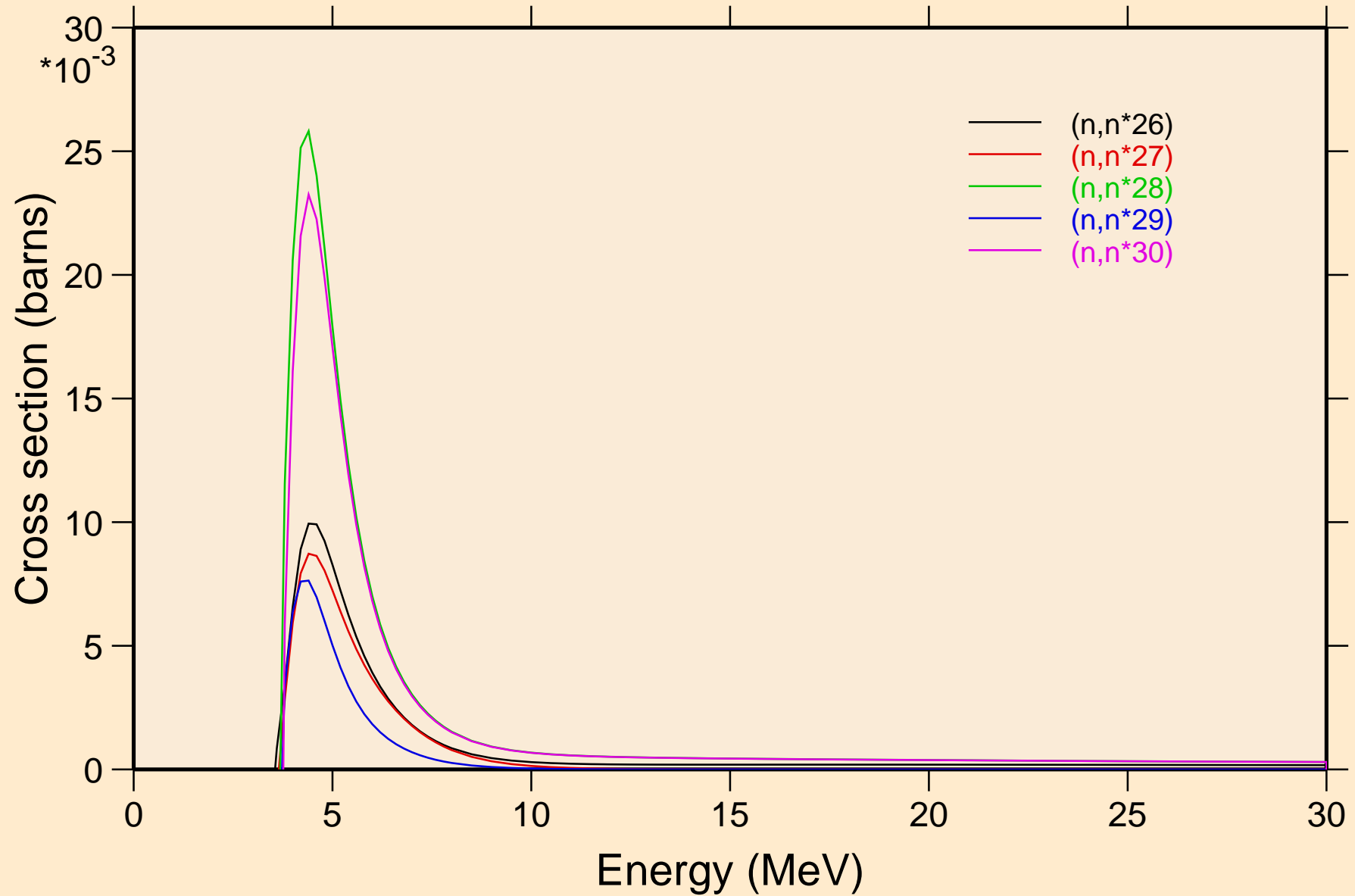
ZN070 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



ZN070 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels

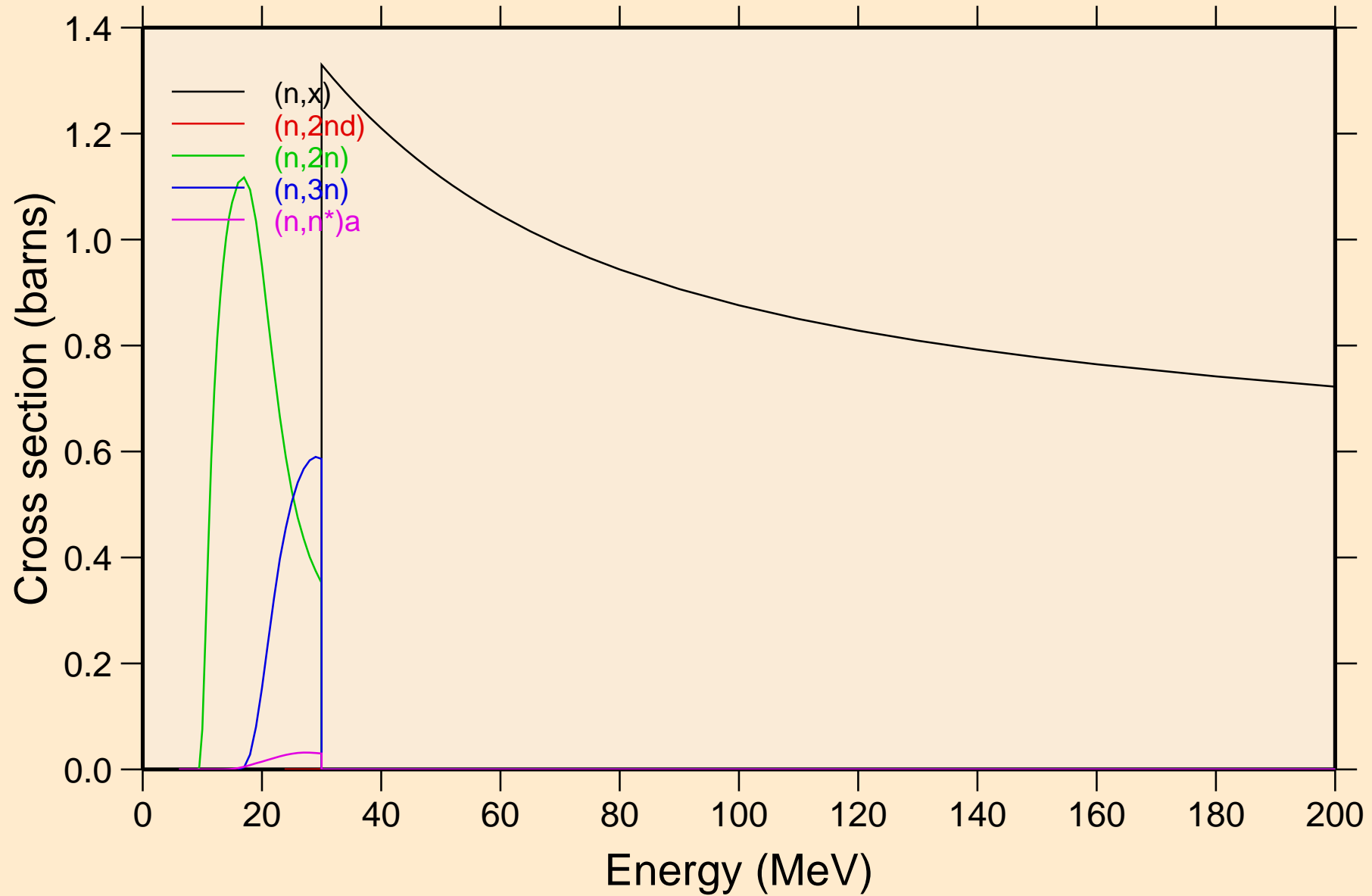


ZN070 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels

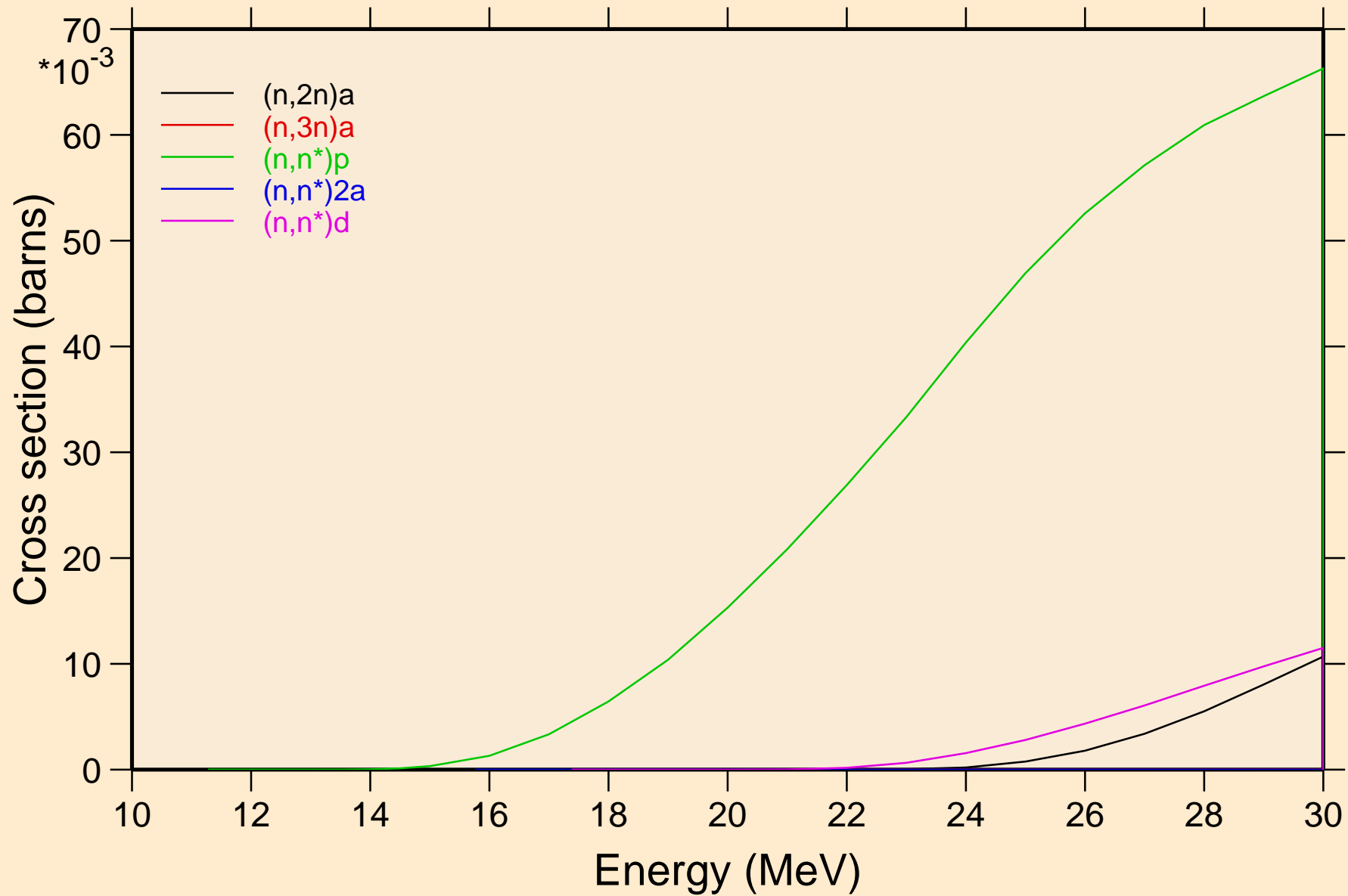




ZN070 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions

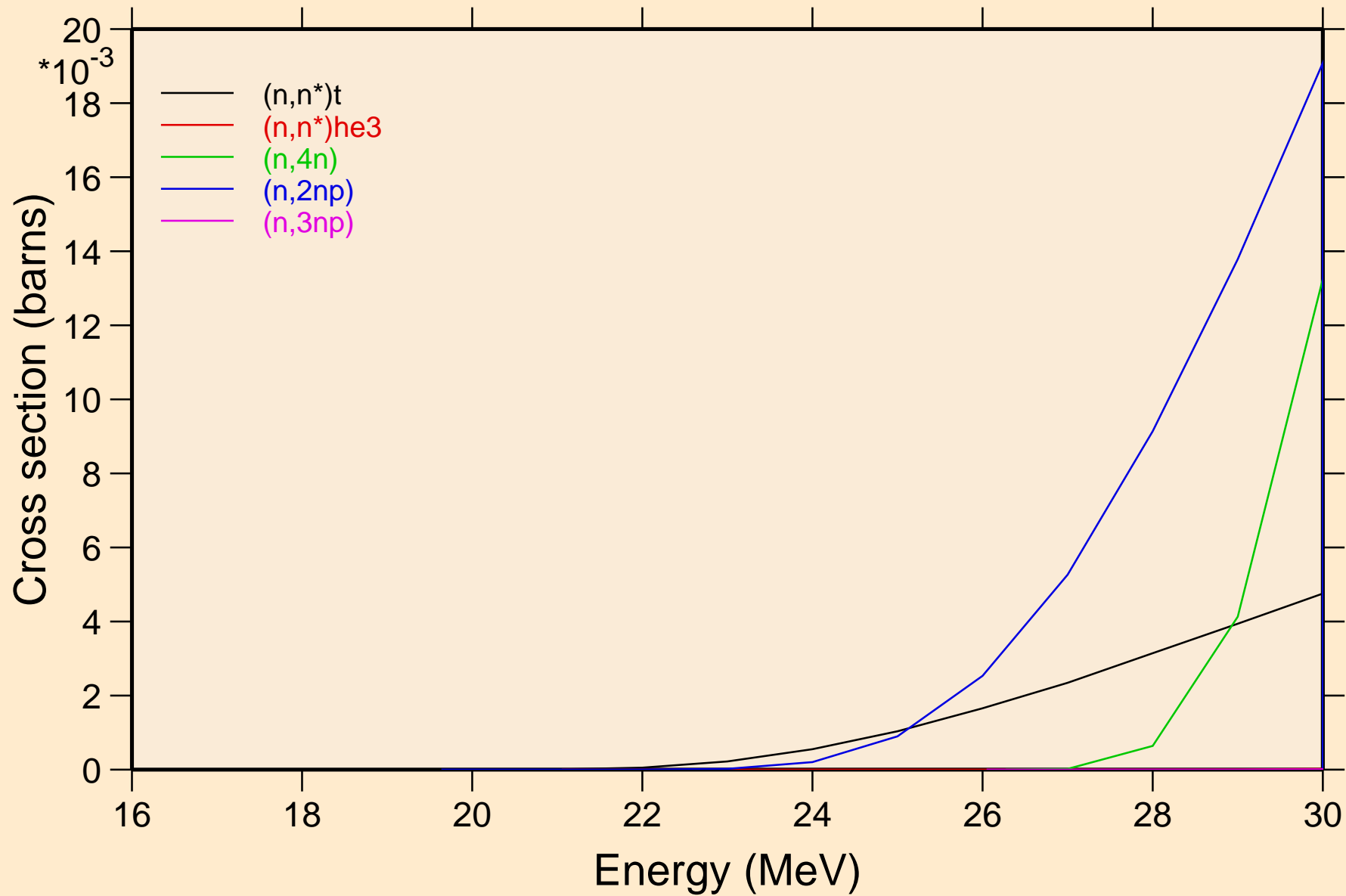


ZN070 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions

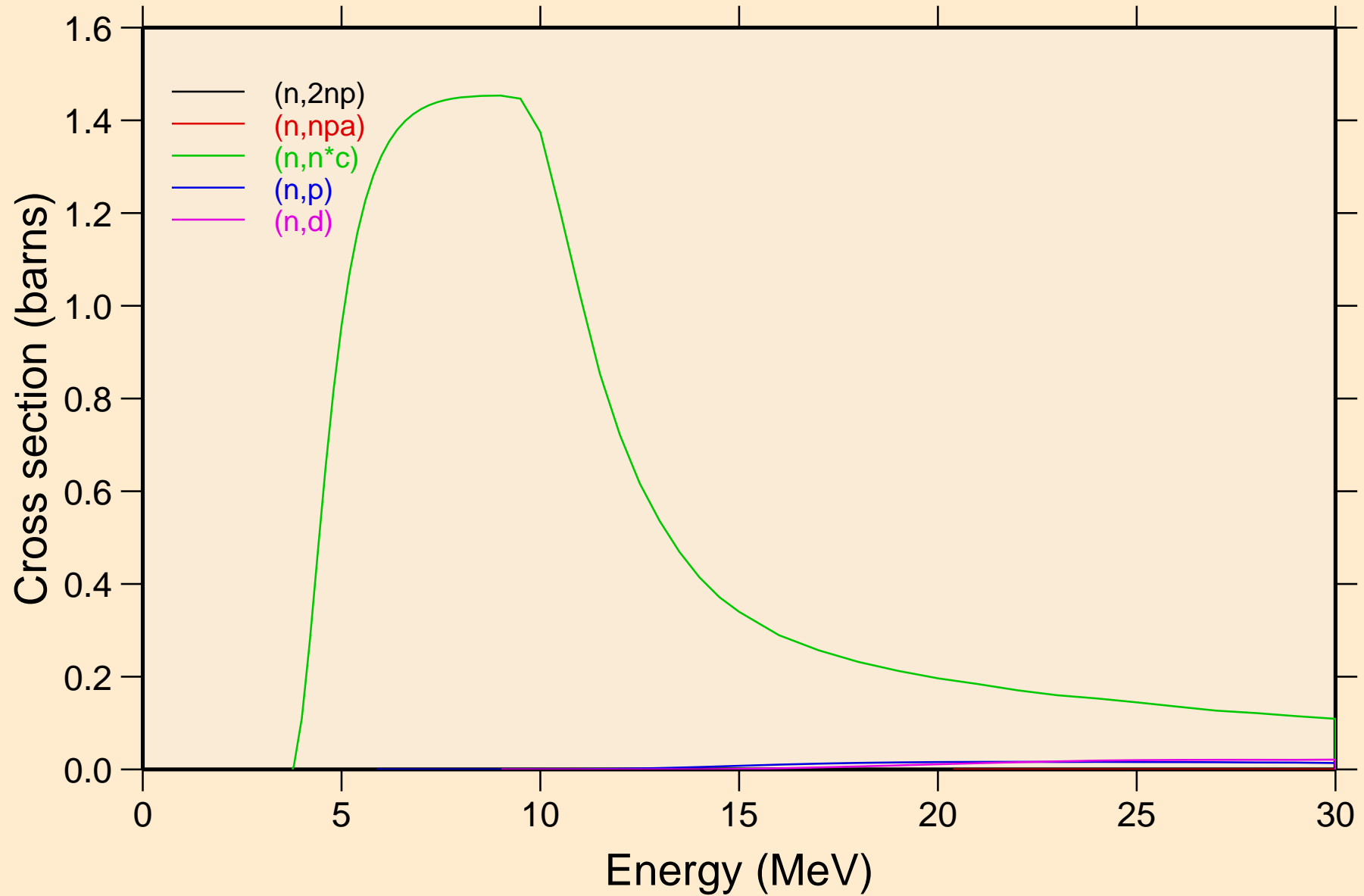


# ZN070 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

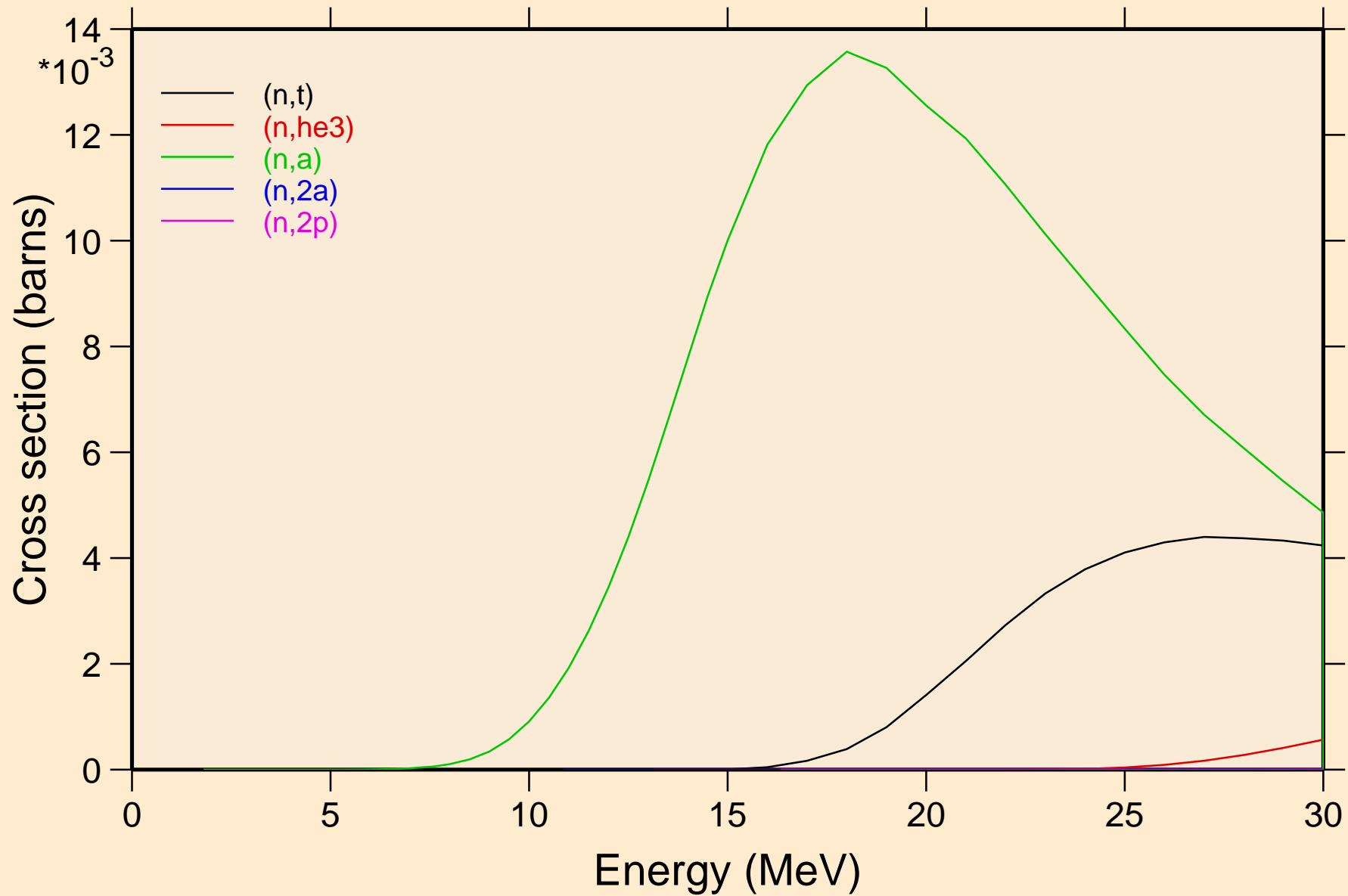
## Threshold reactions



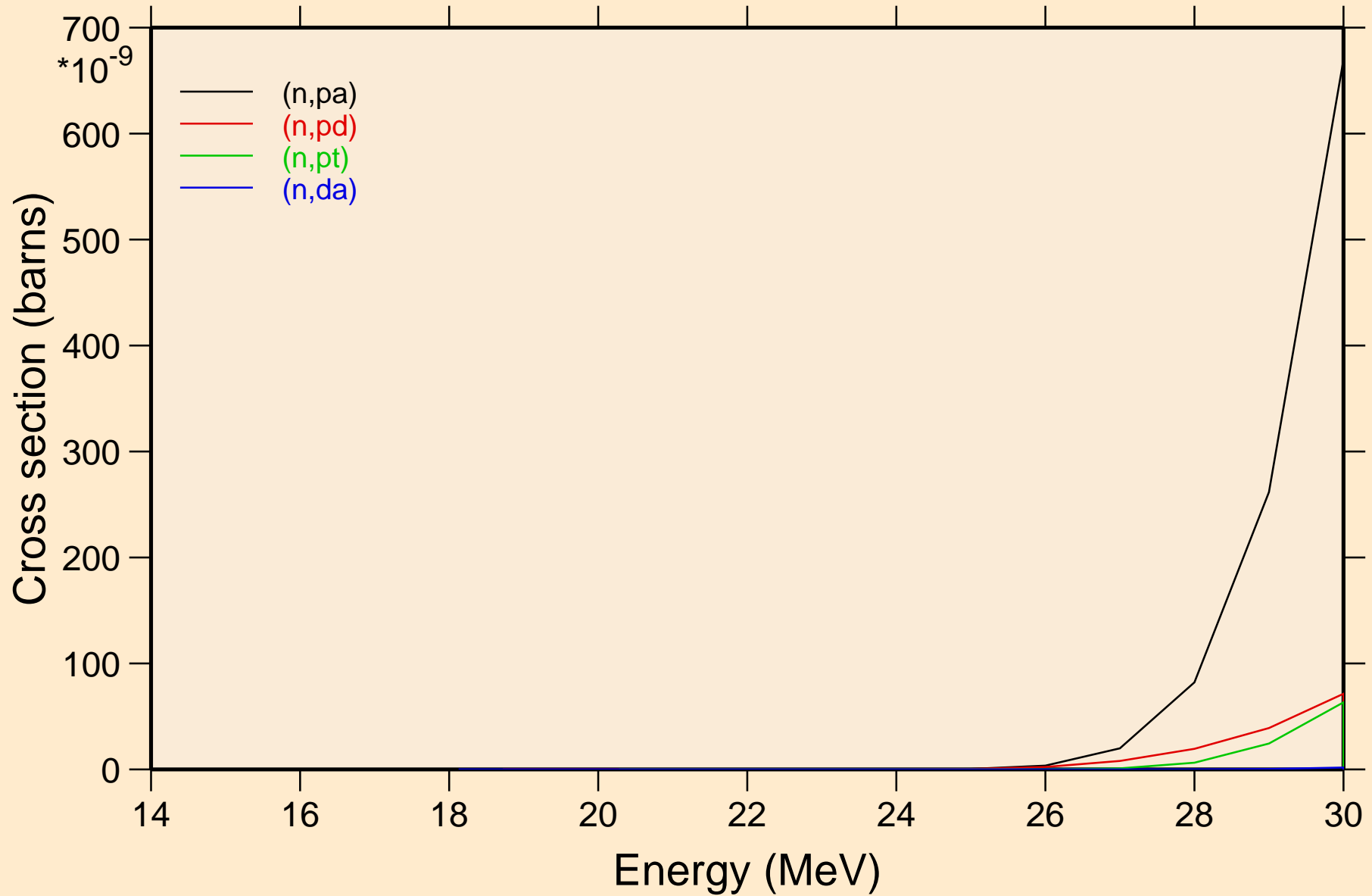
ZN070 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



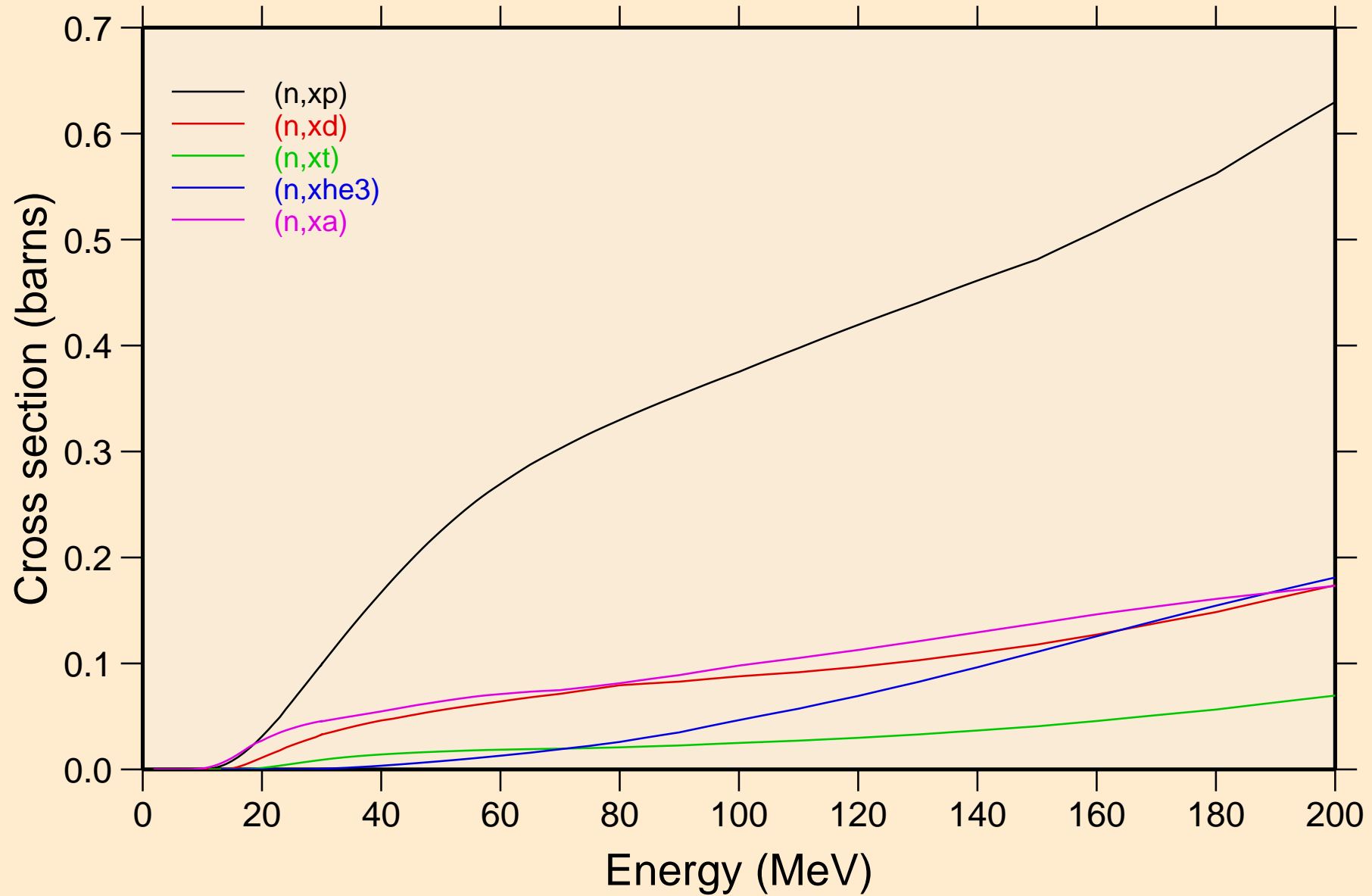
ZN070 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



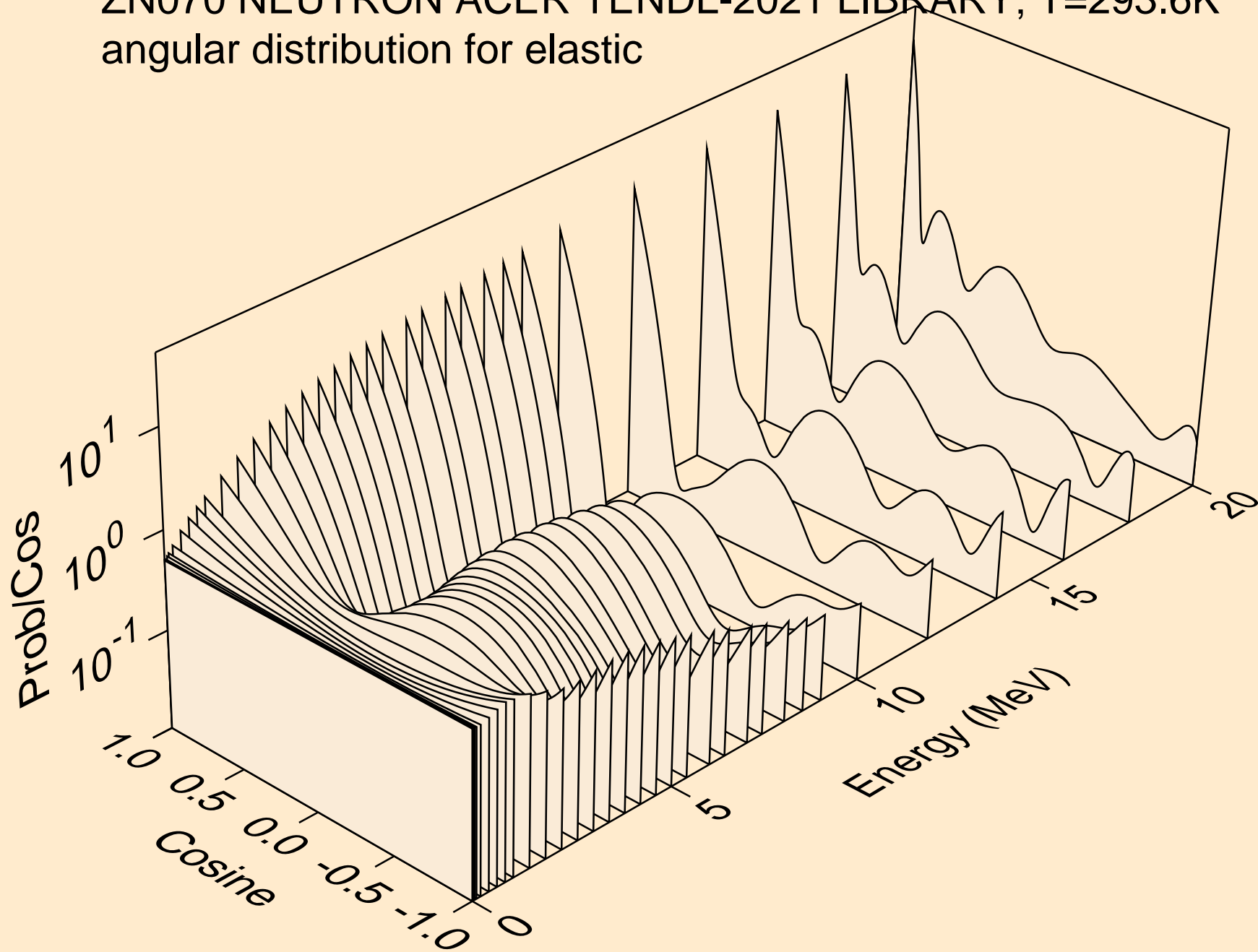
ZN070 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



ZN070 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions

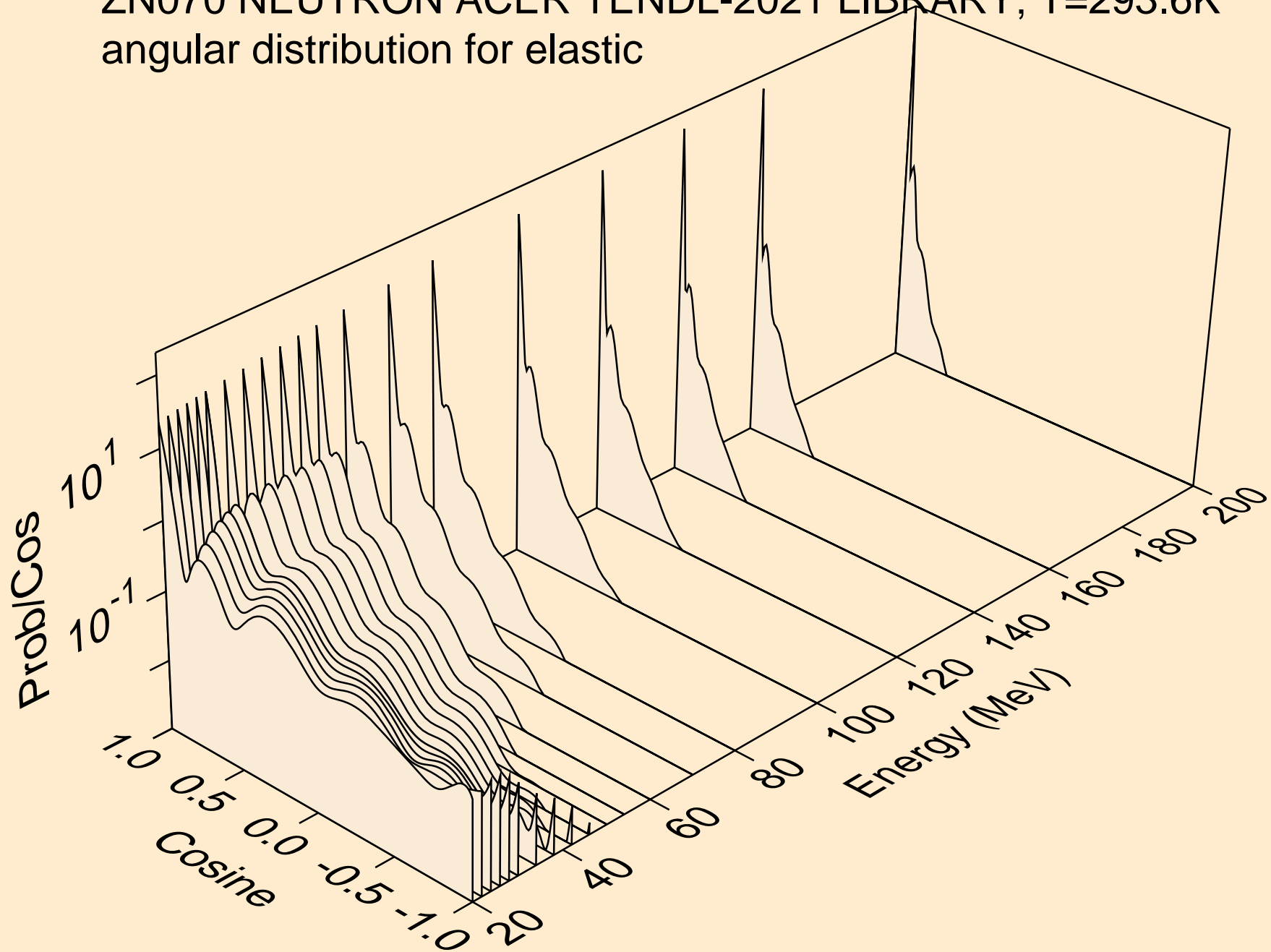


ZN070 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for elastic

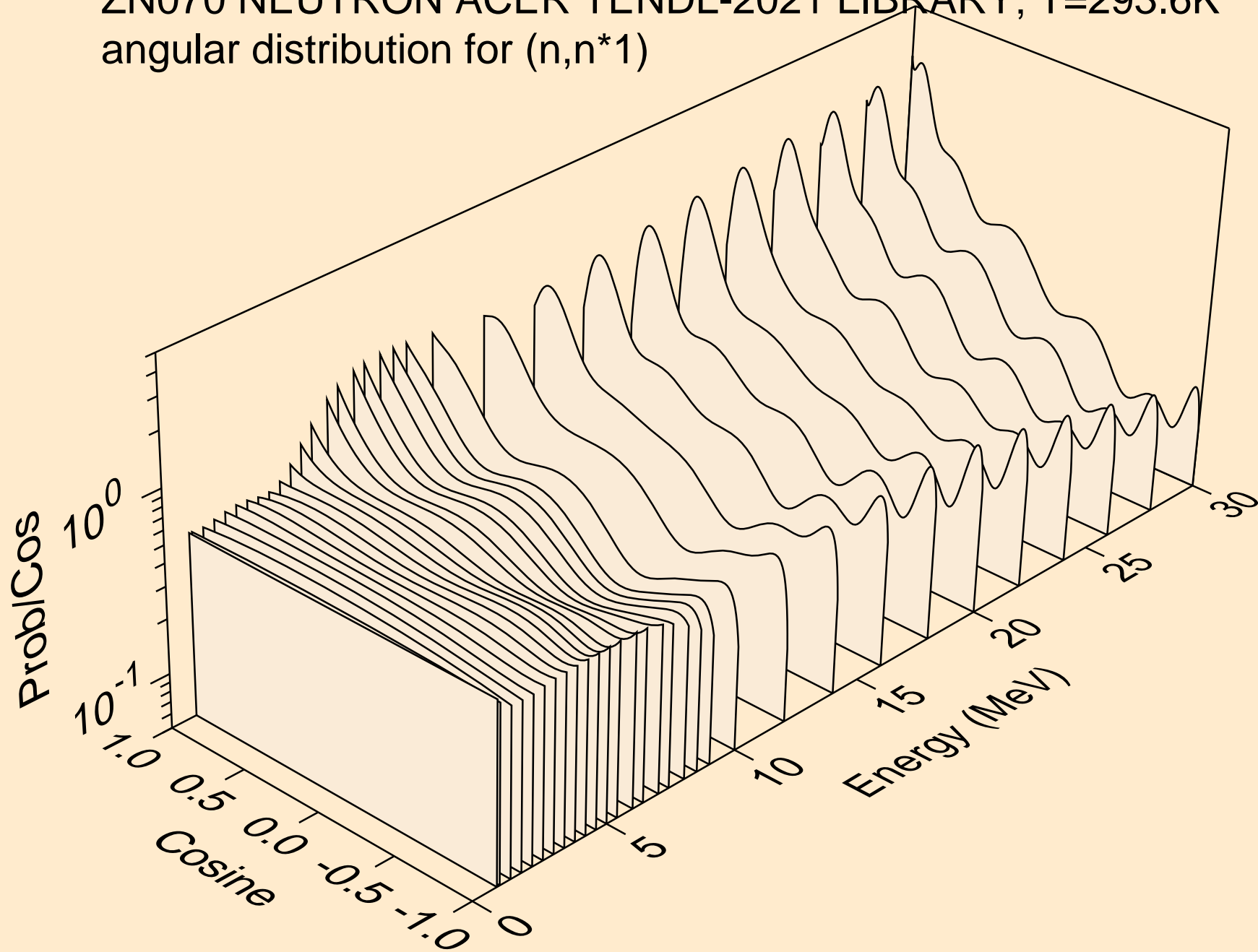




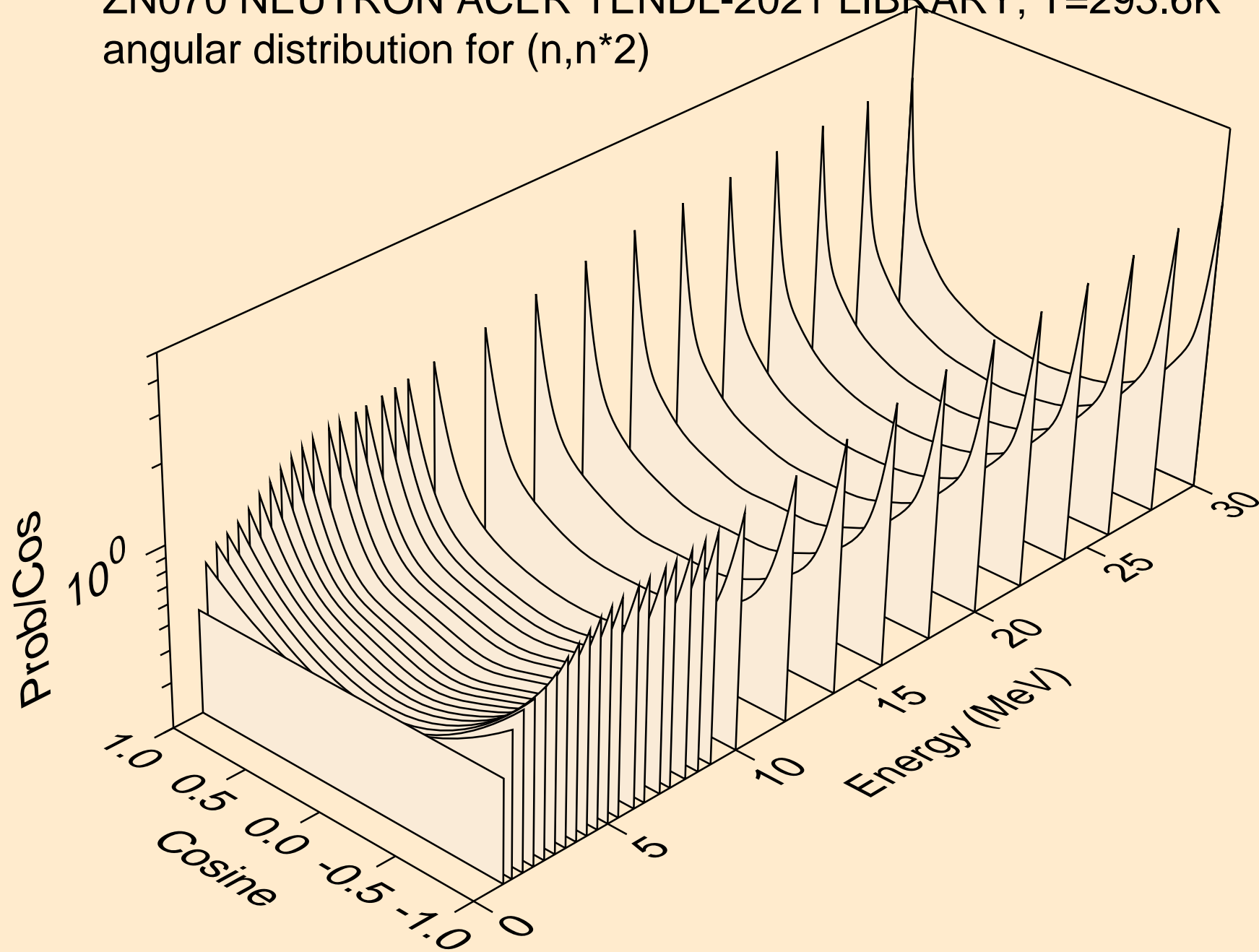
ZN070 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for elastic



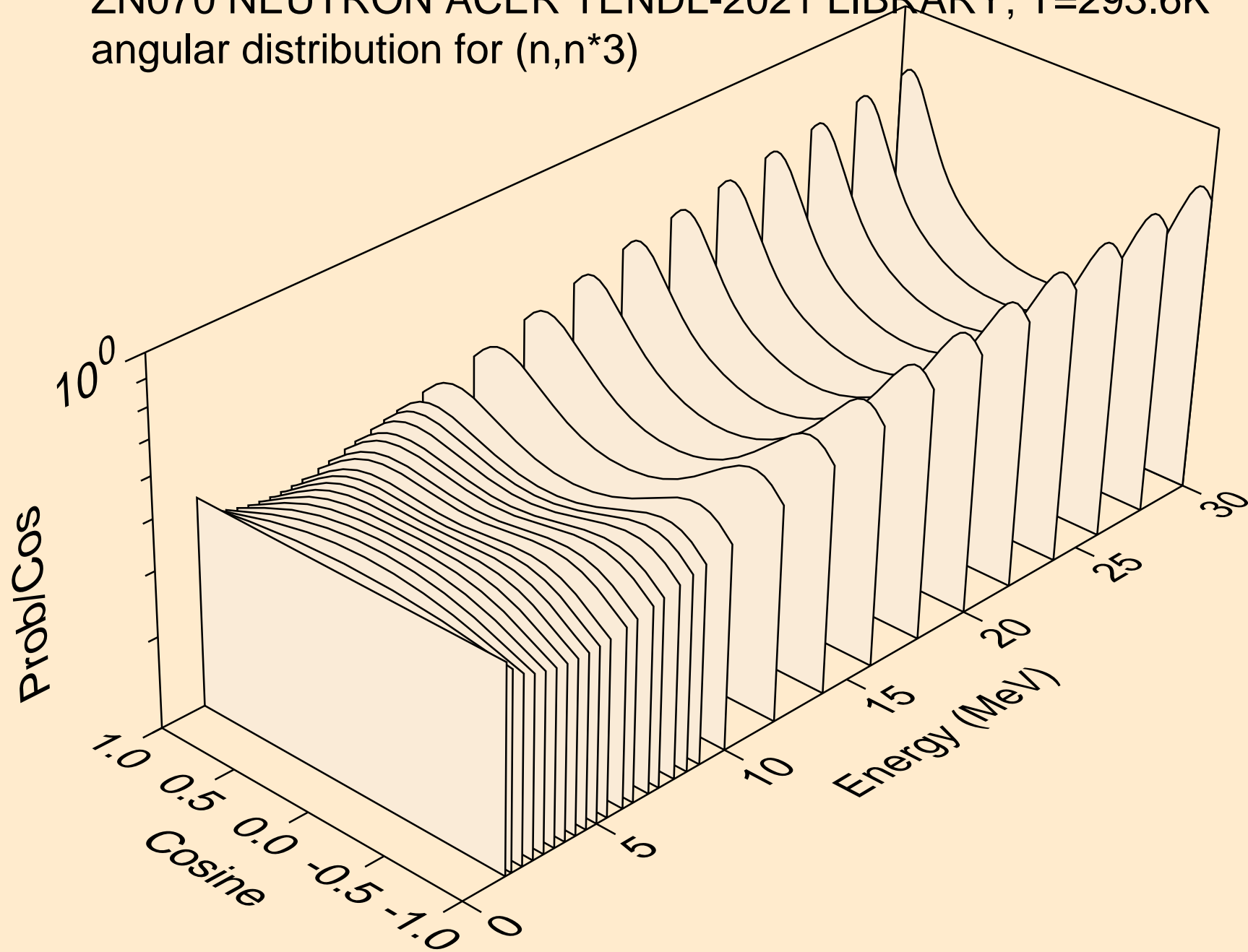
ZN070 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*1)



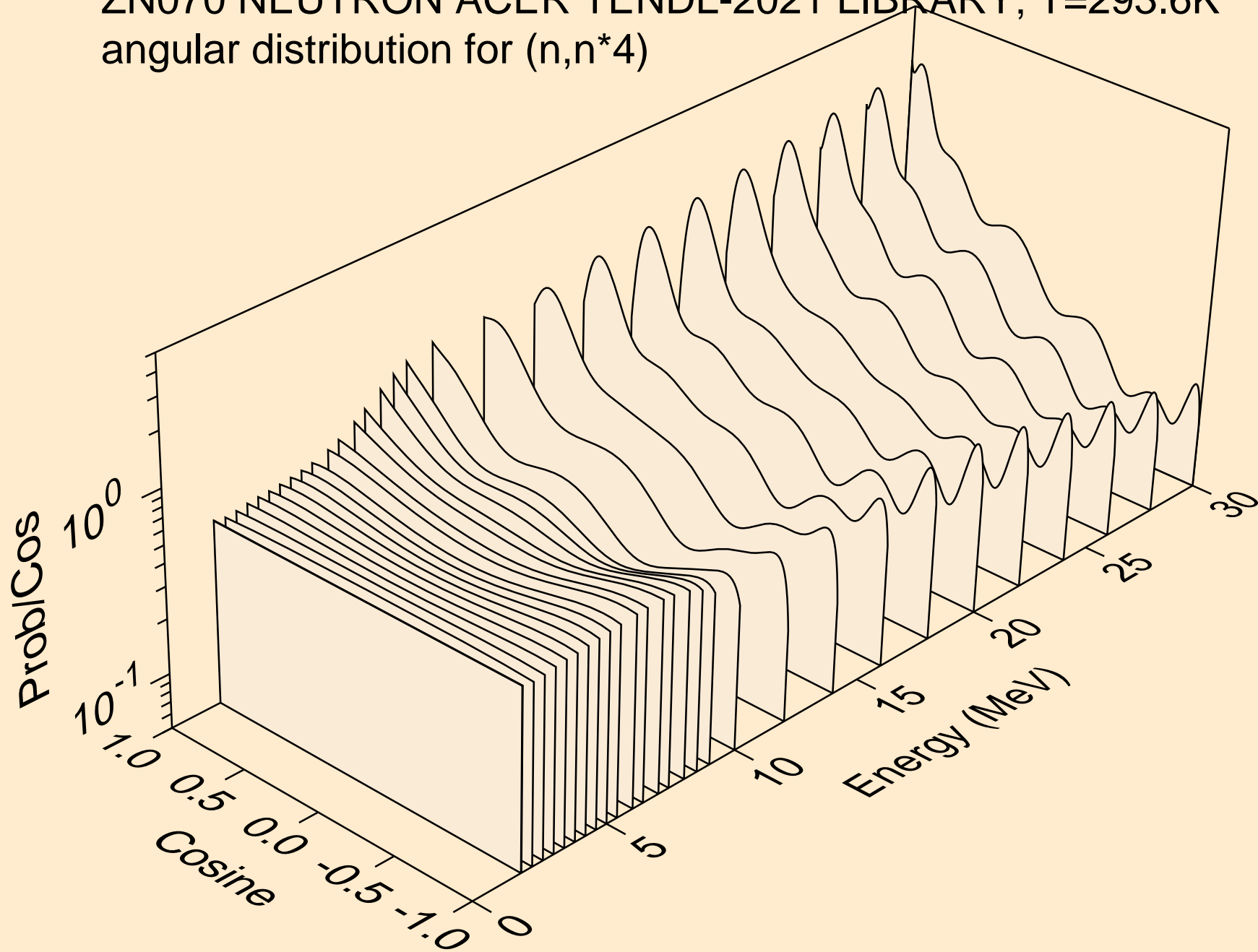
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angular distribution for (n,n\*2)



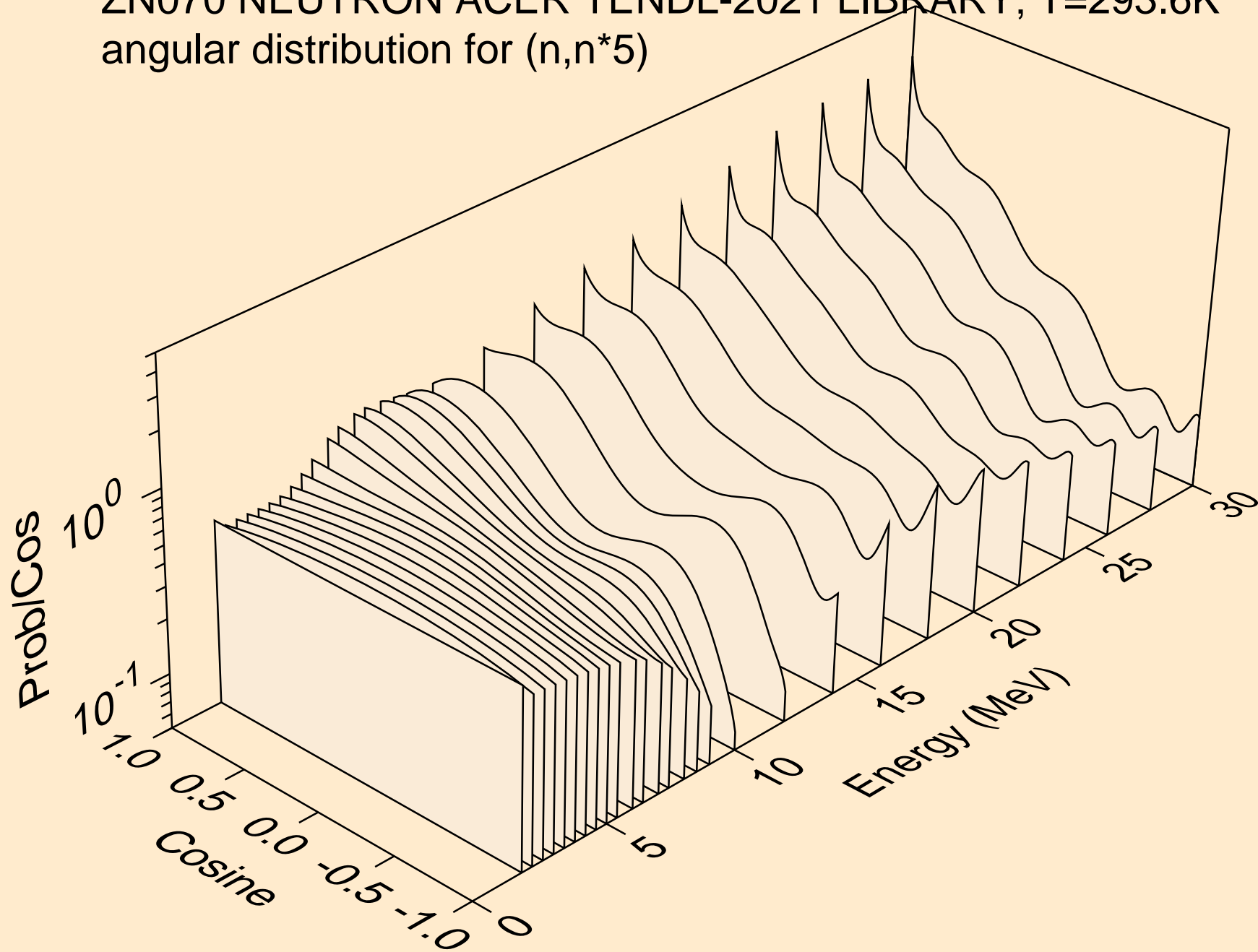
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angular distribution for (n,n\*3)



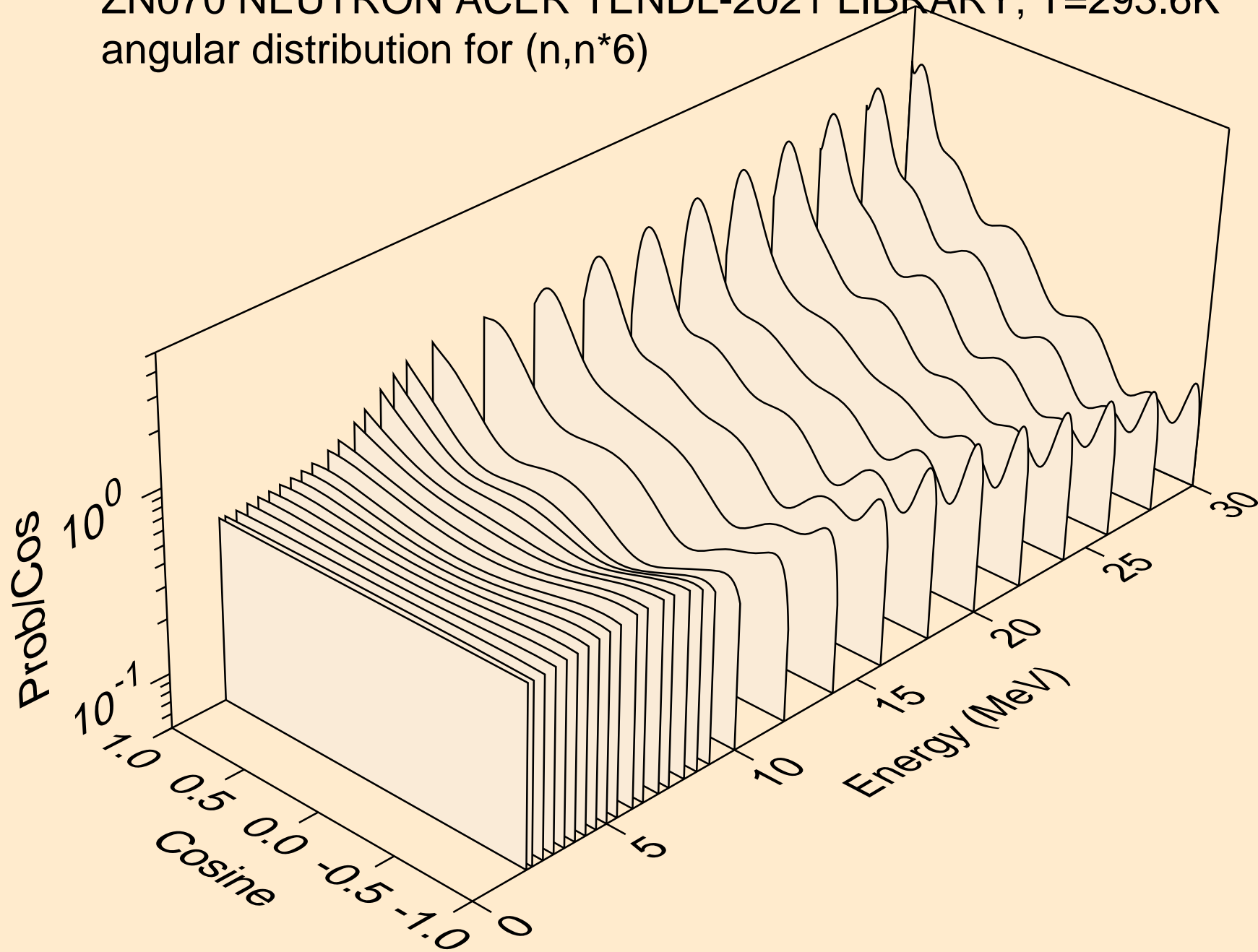
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angular distribution for (n,n\*4)



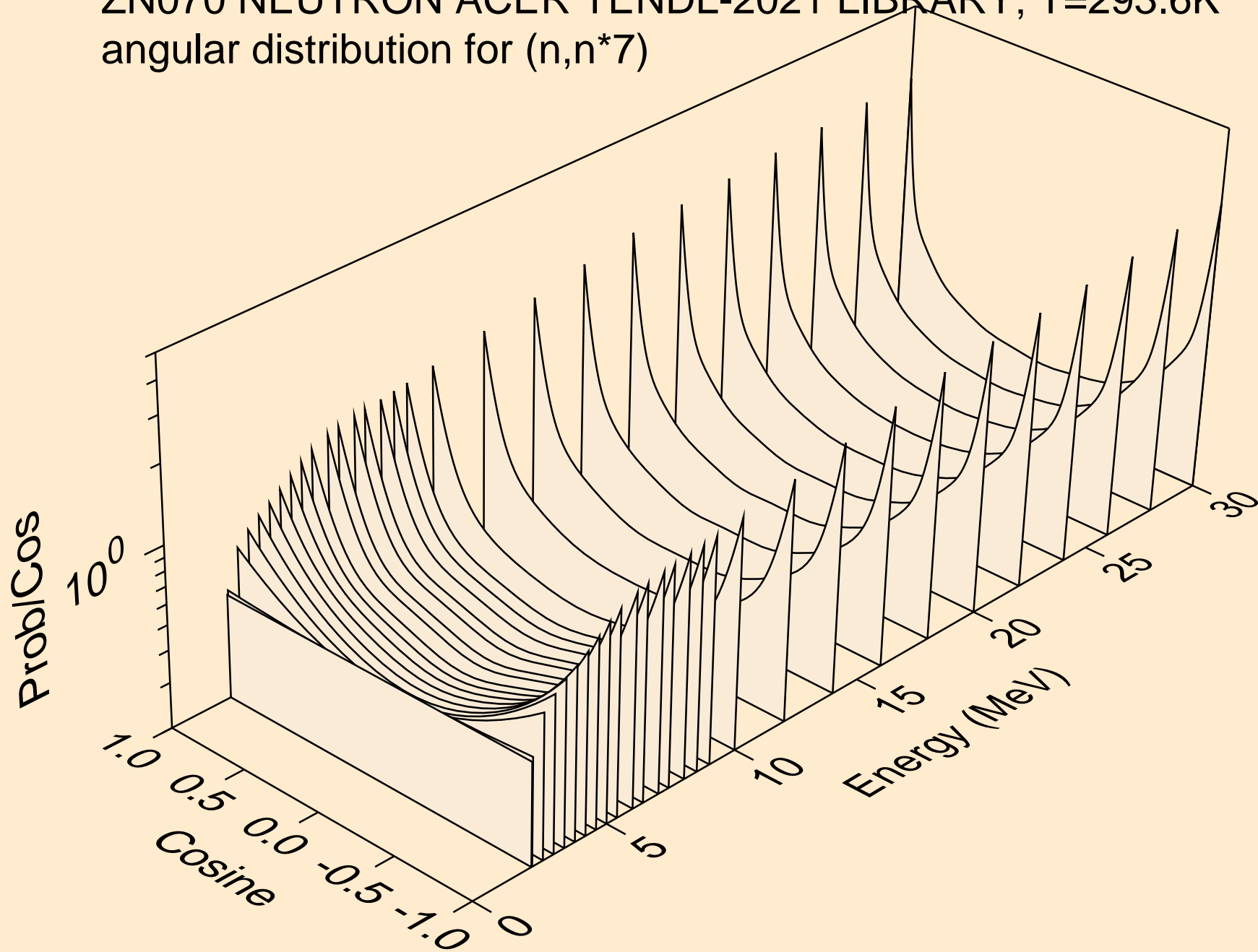
ZN070 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*5)



ZN070 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*6)

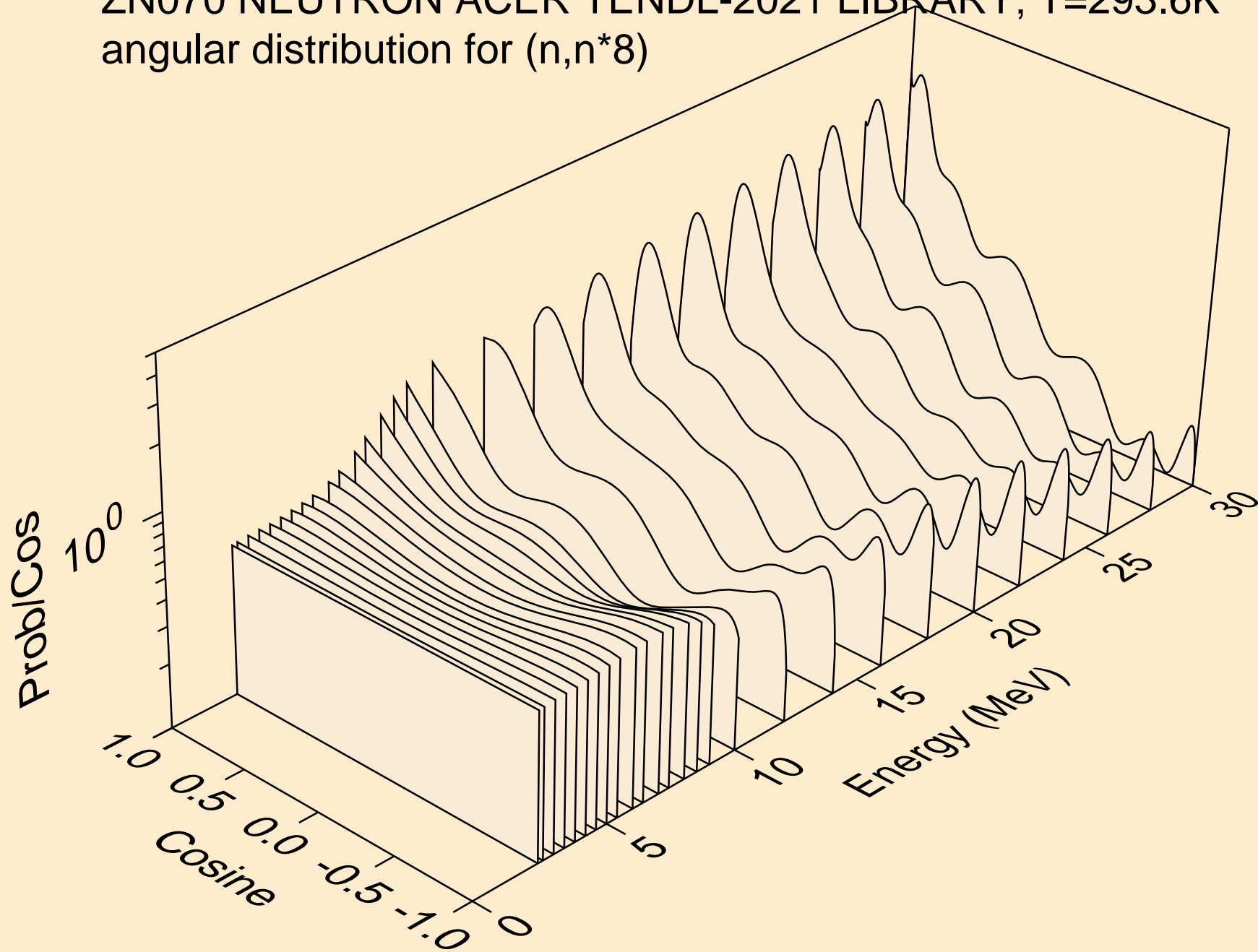


ZN070 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*7)

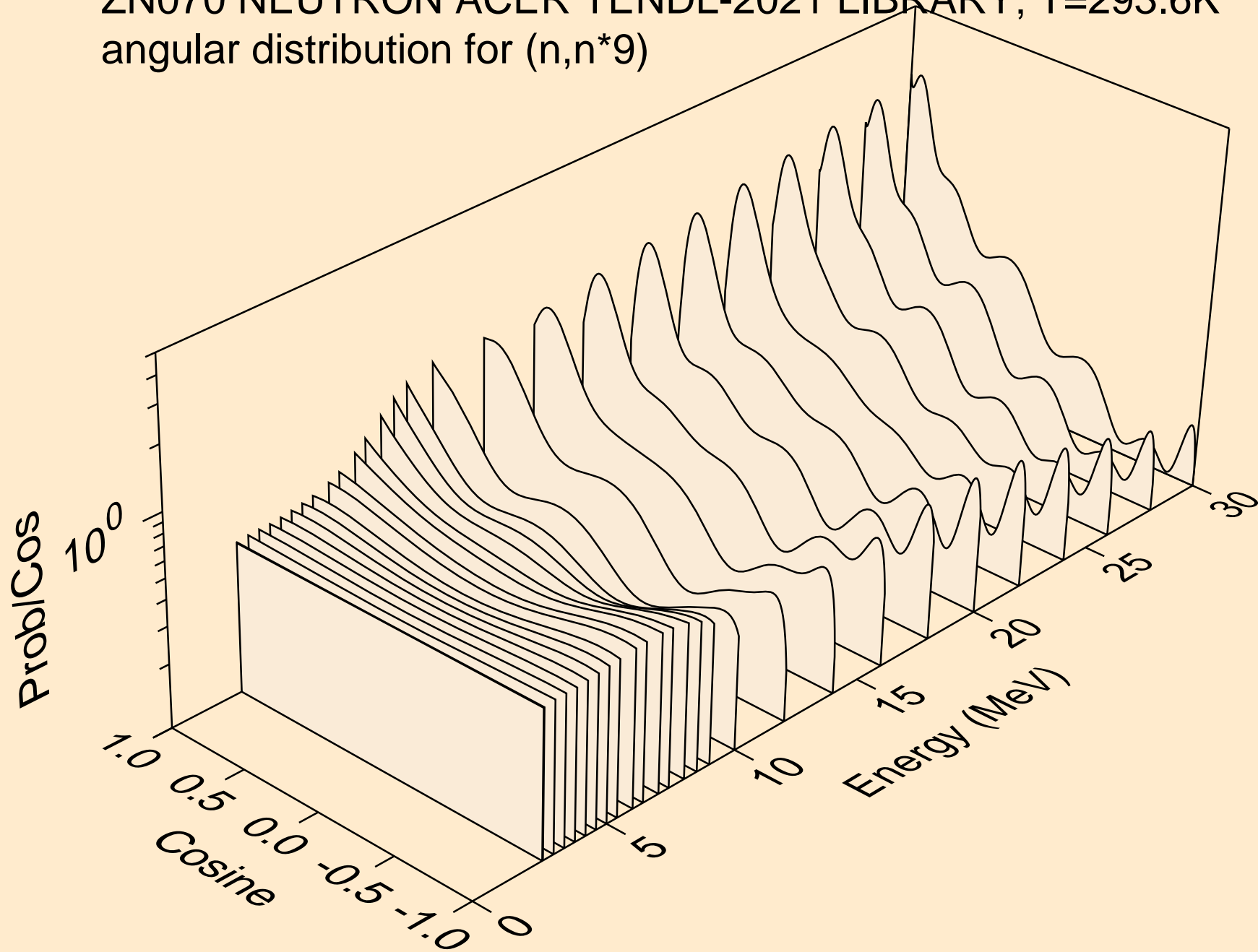




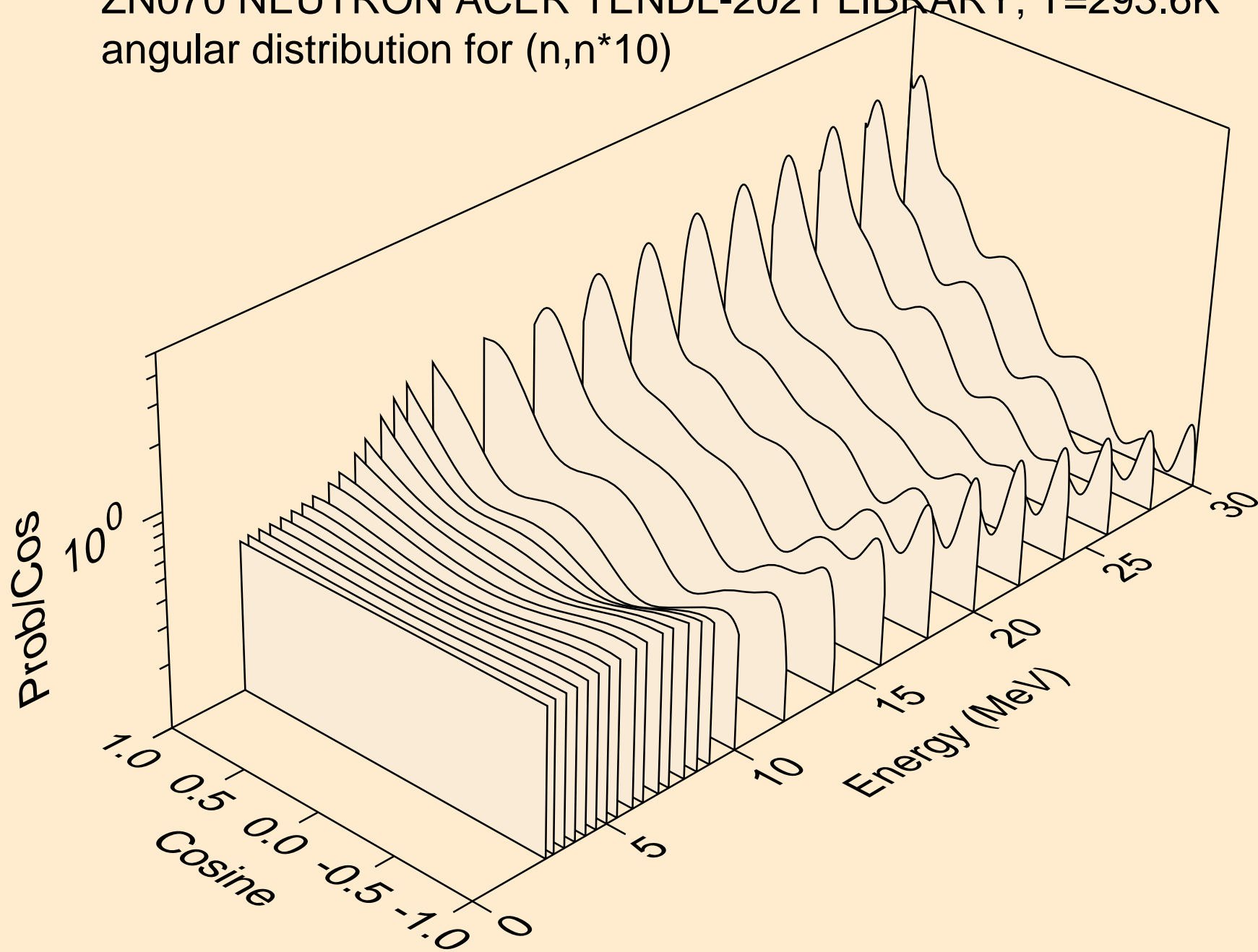
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angular distribution for (n,n\*8)



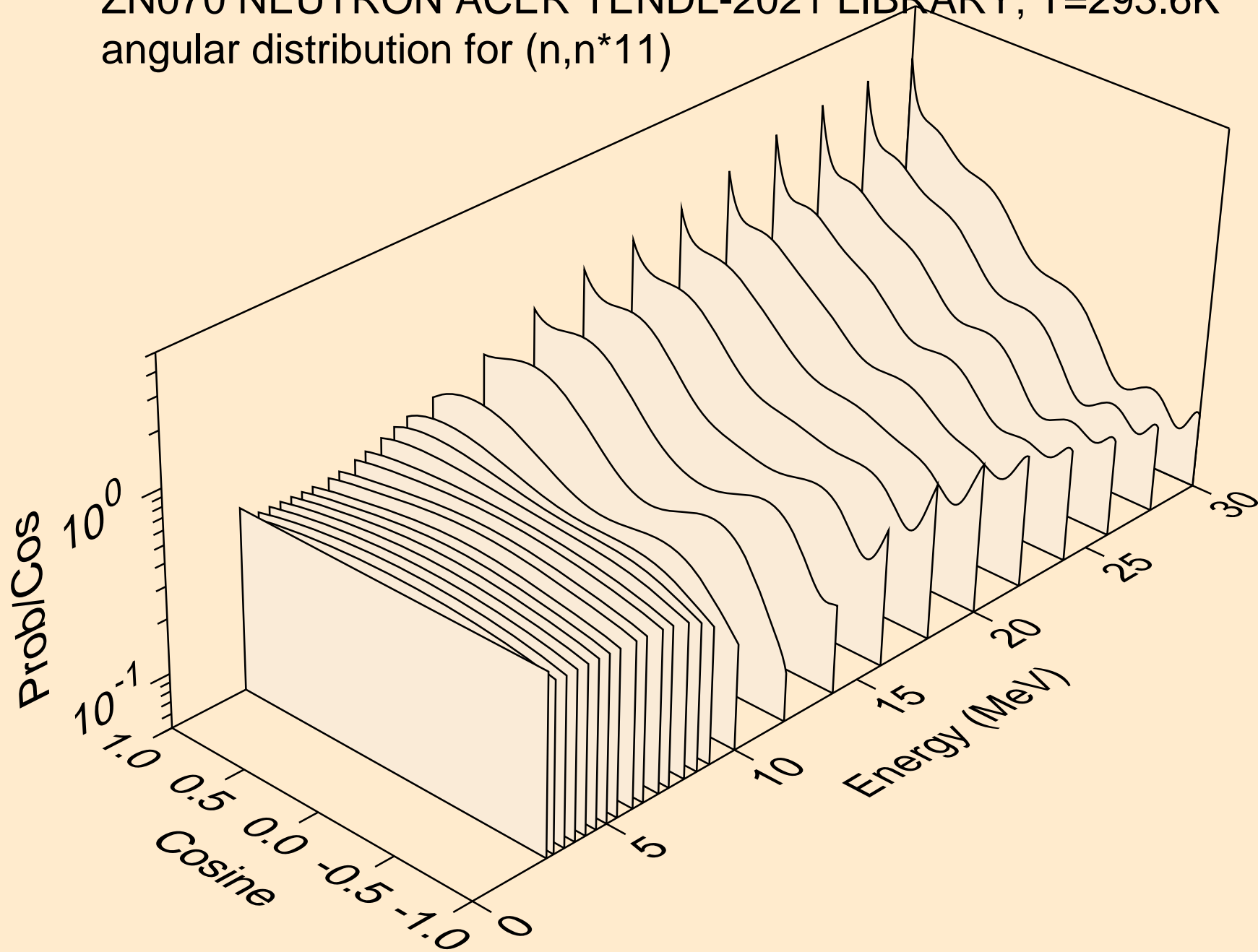
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angular distribution for (n,n\*9)



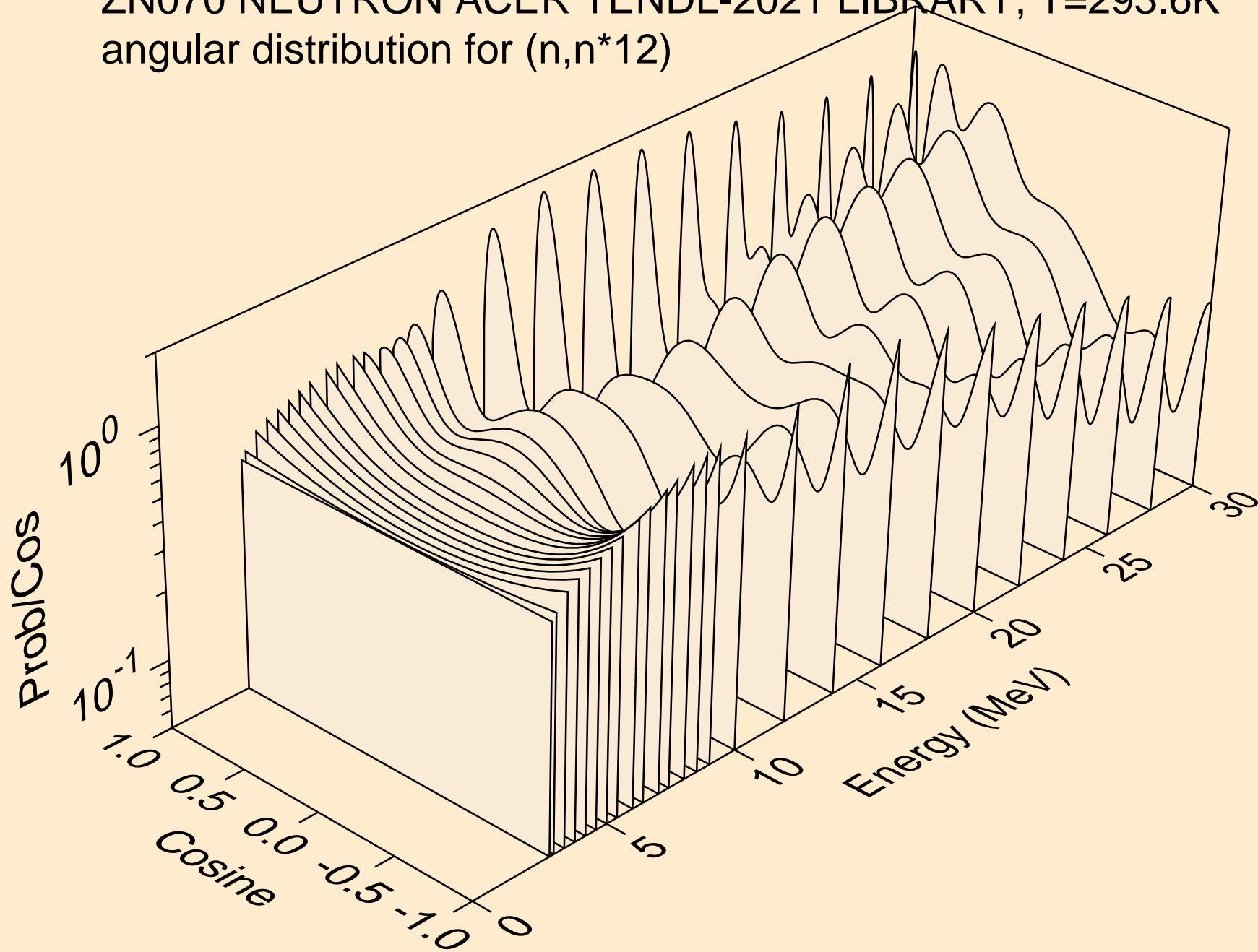
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angular distribution for (n,n\*10)



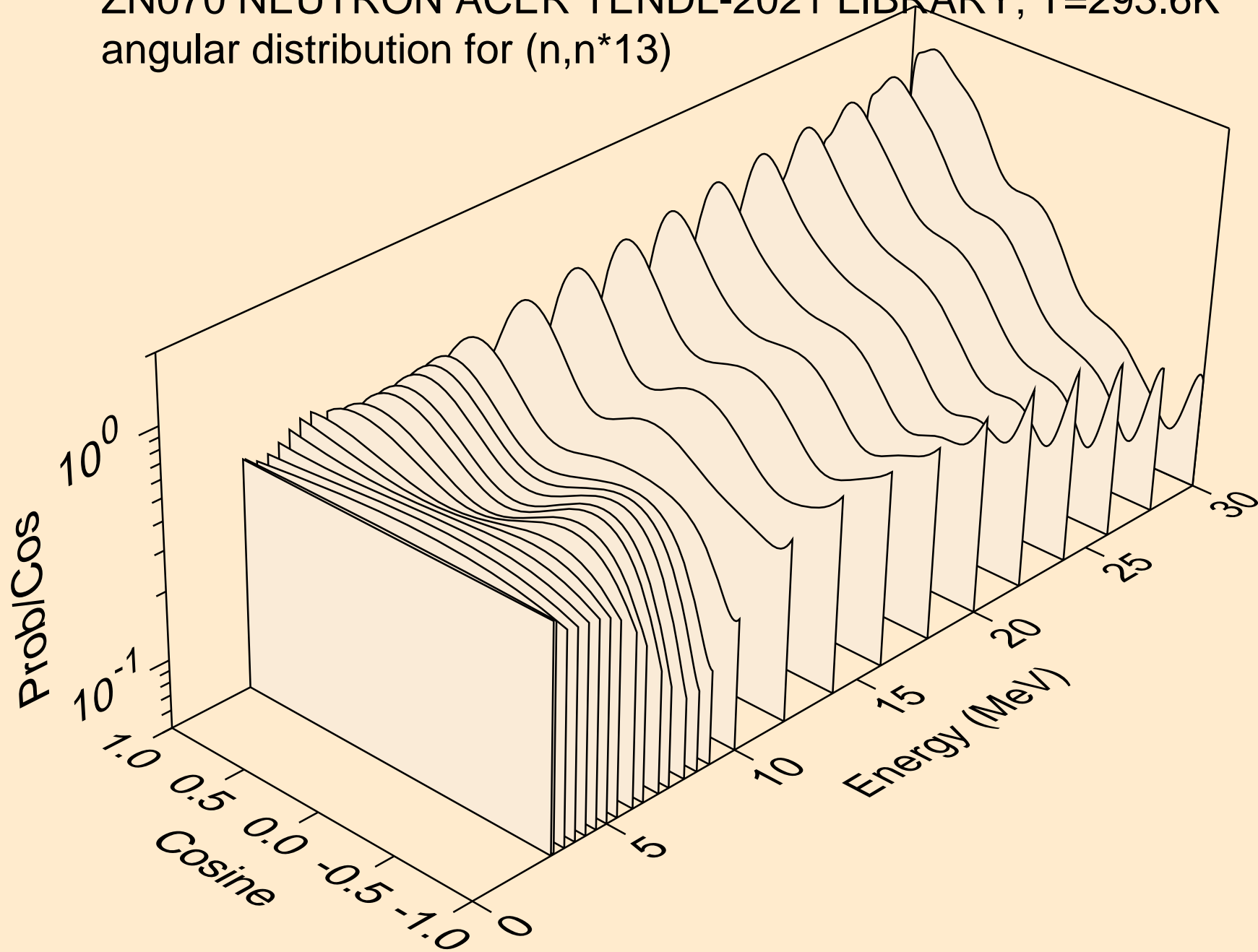
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angular distribution for (n,n\*11)



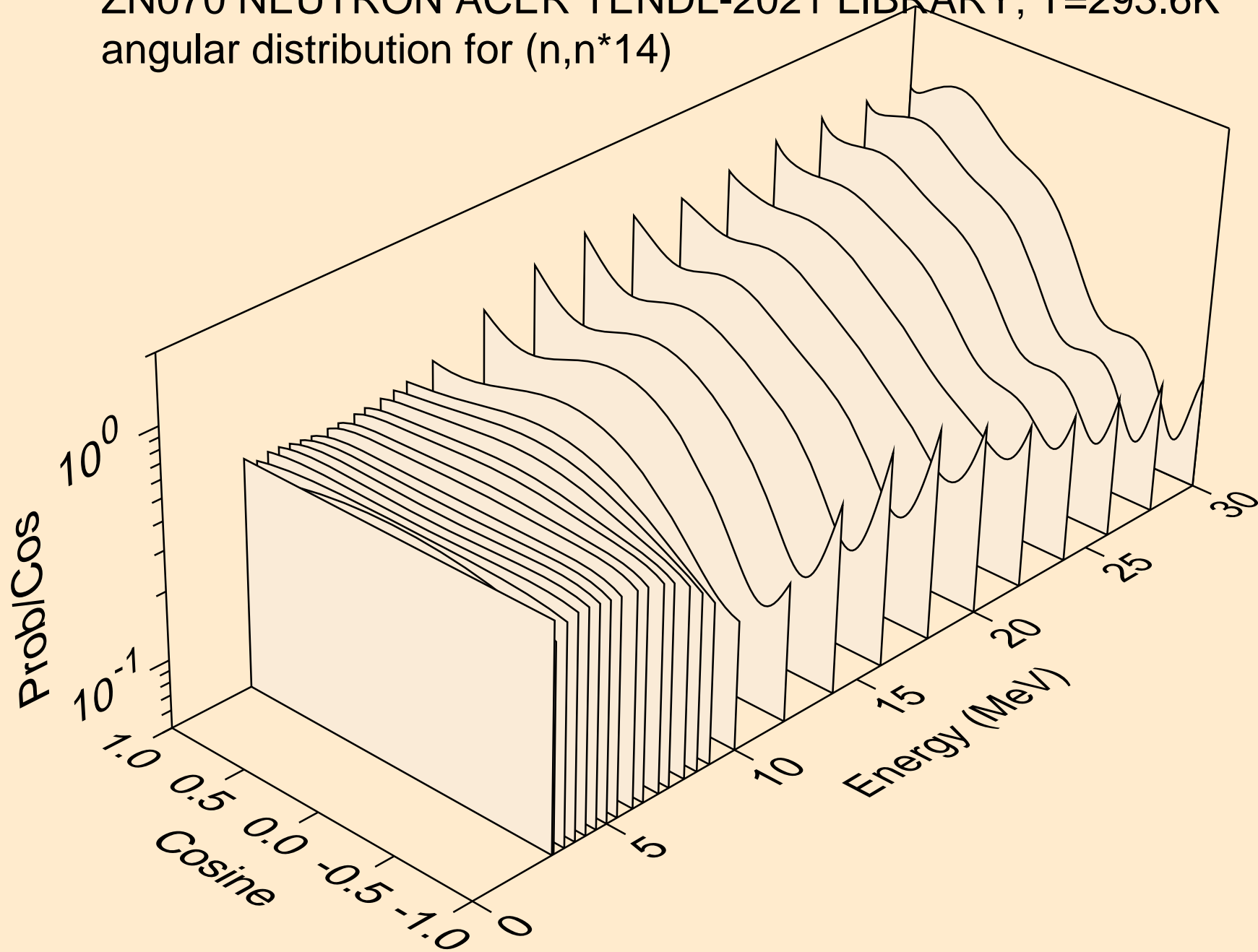
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angular distribution for (n,n\*12)



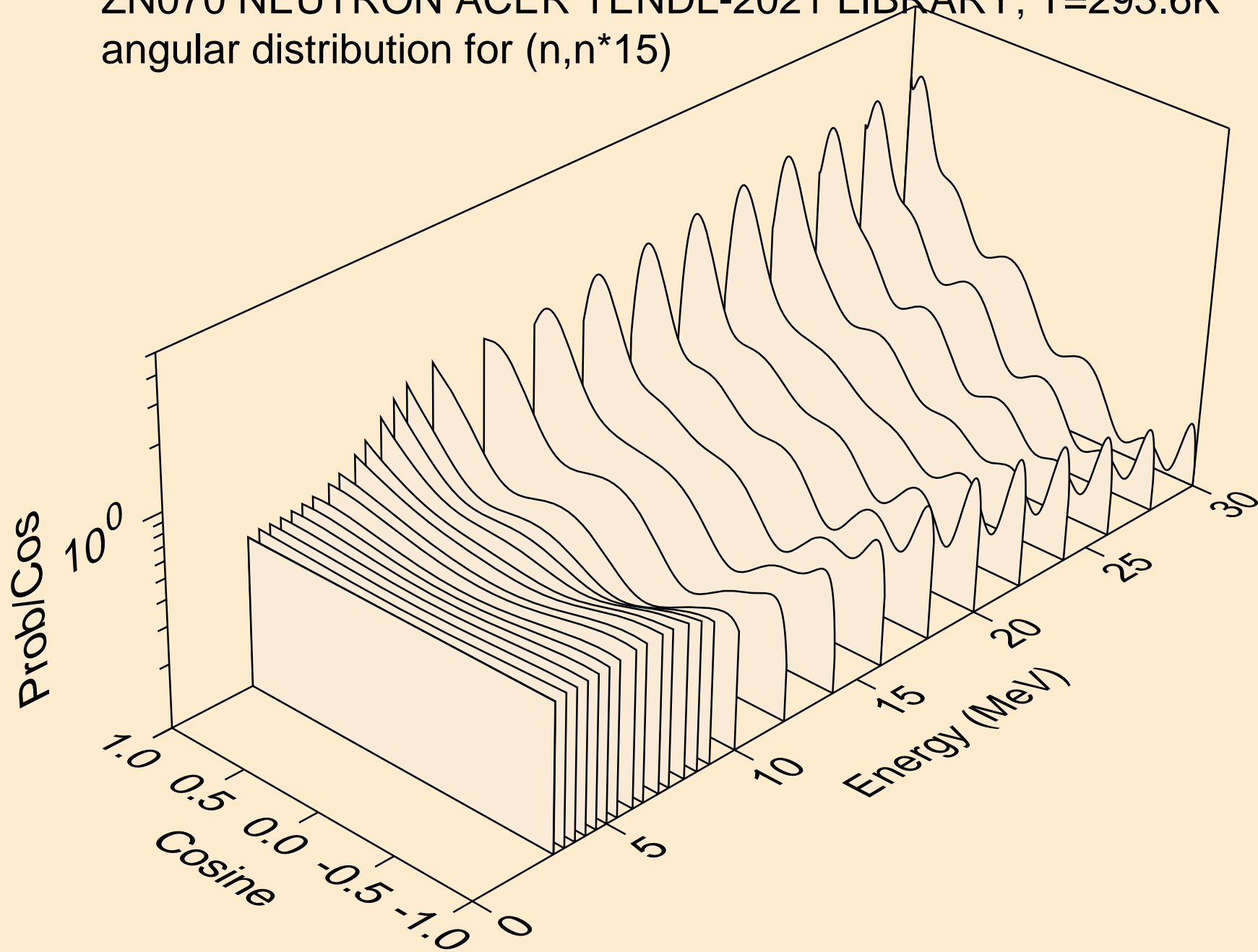
ZN070 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*13)



ZN070 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*14)

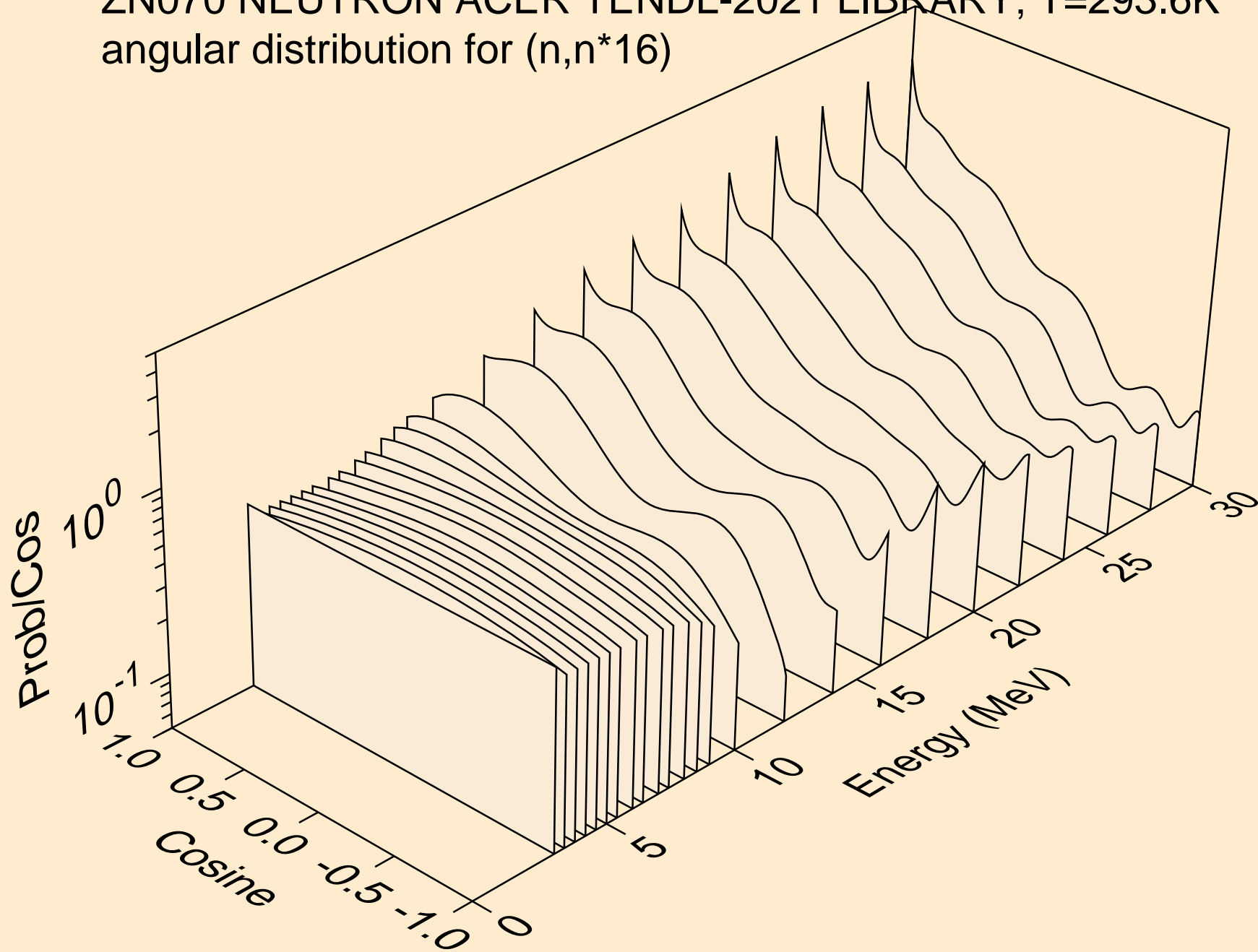


ZN070 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*15)

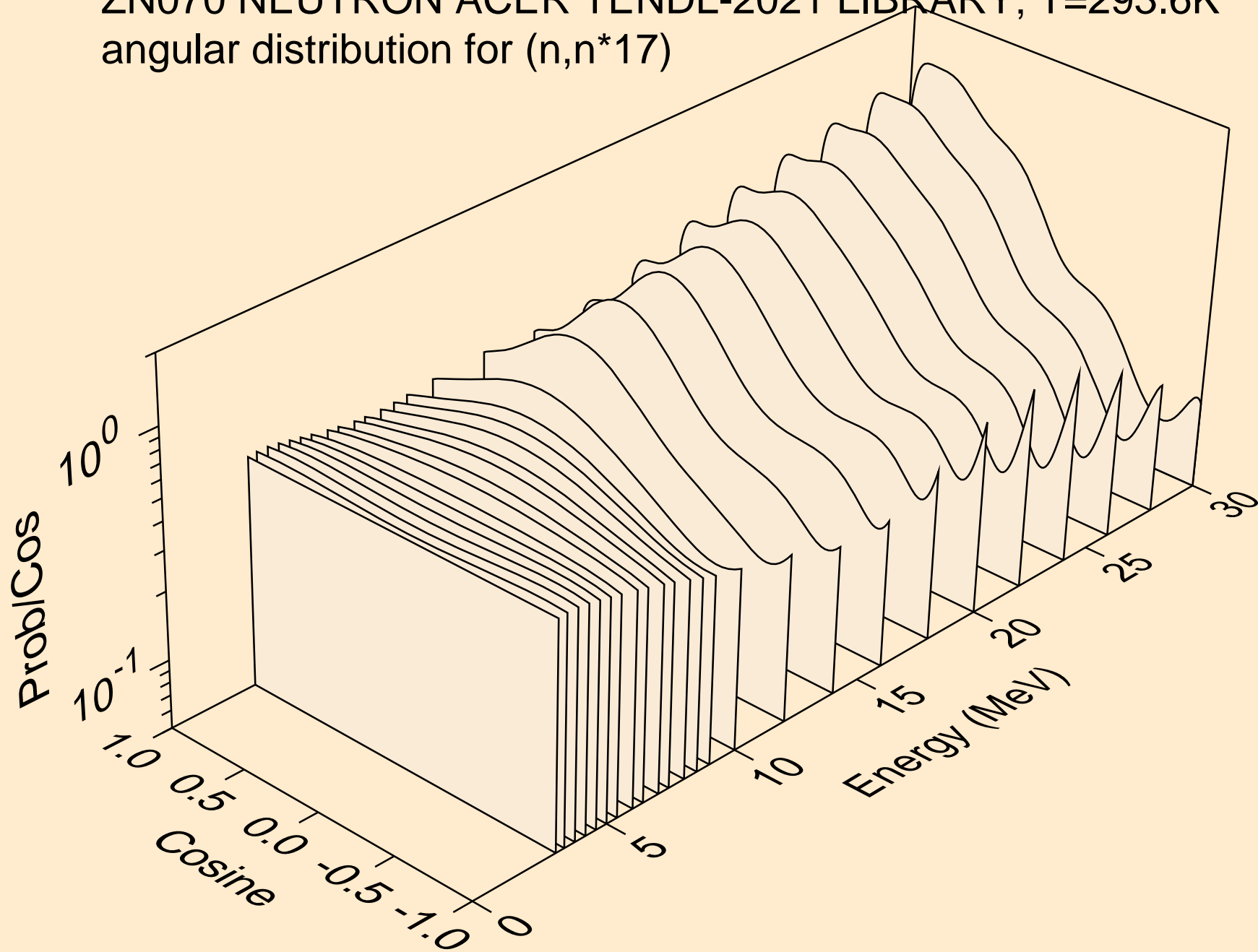




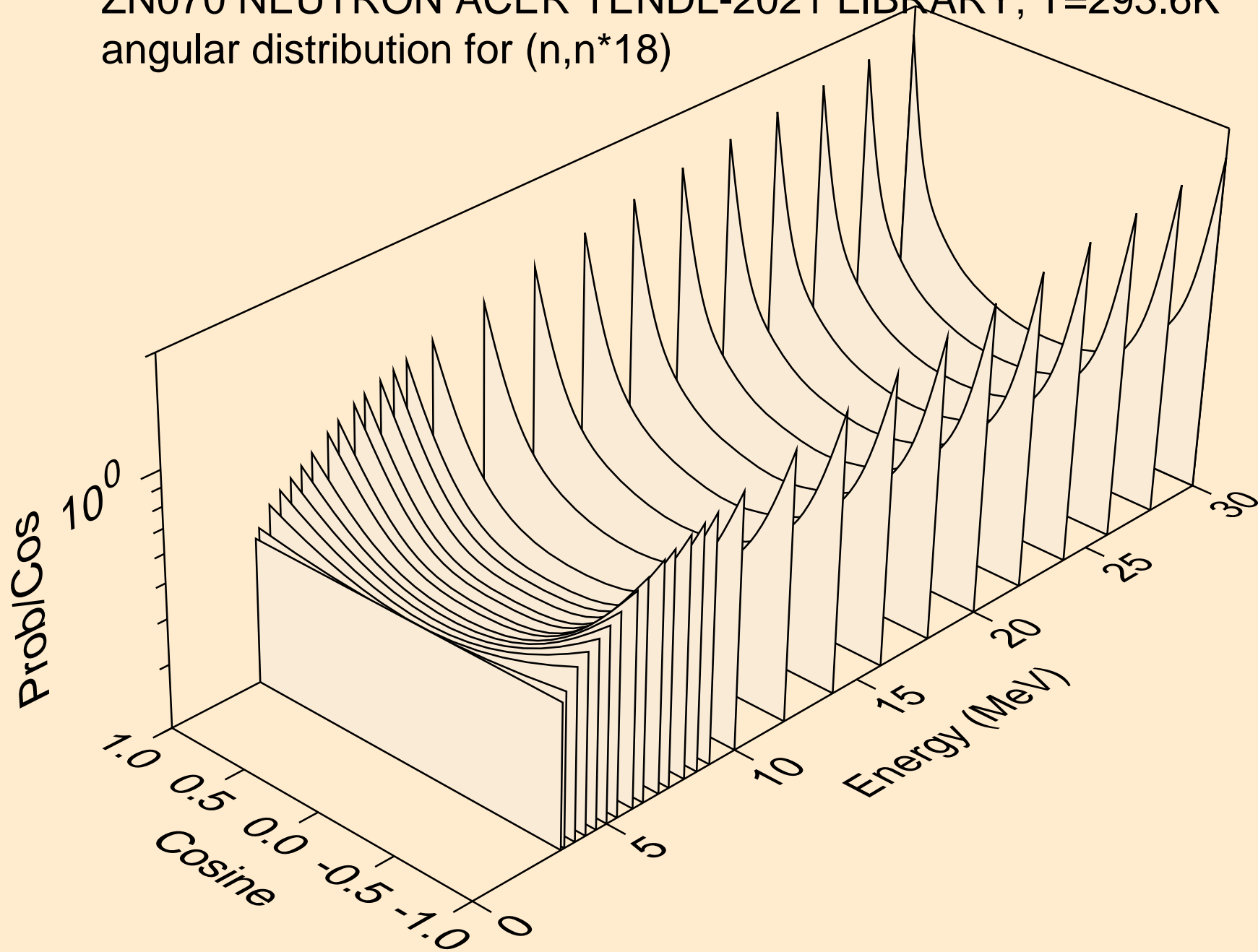
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angular distribution for (n,n\*16)



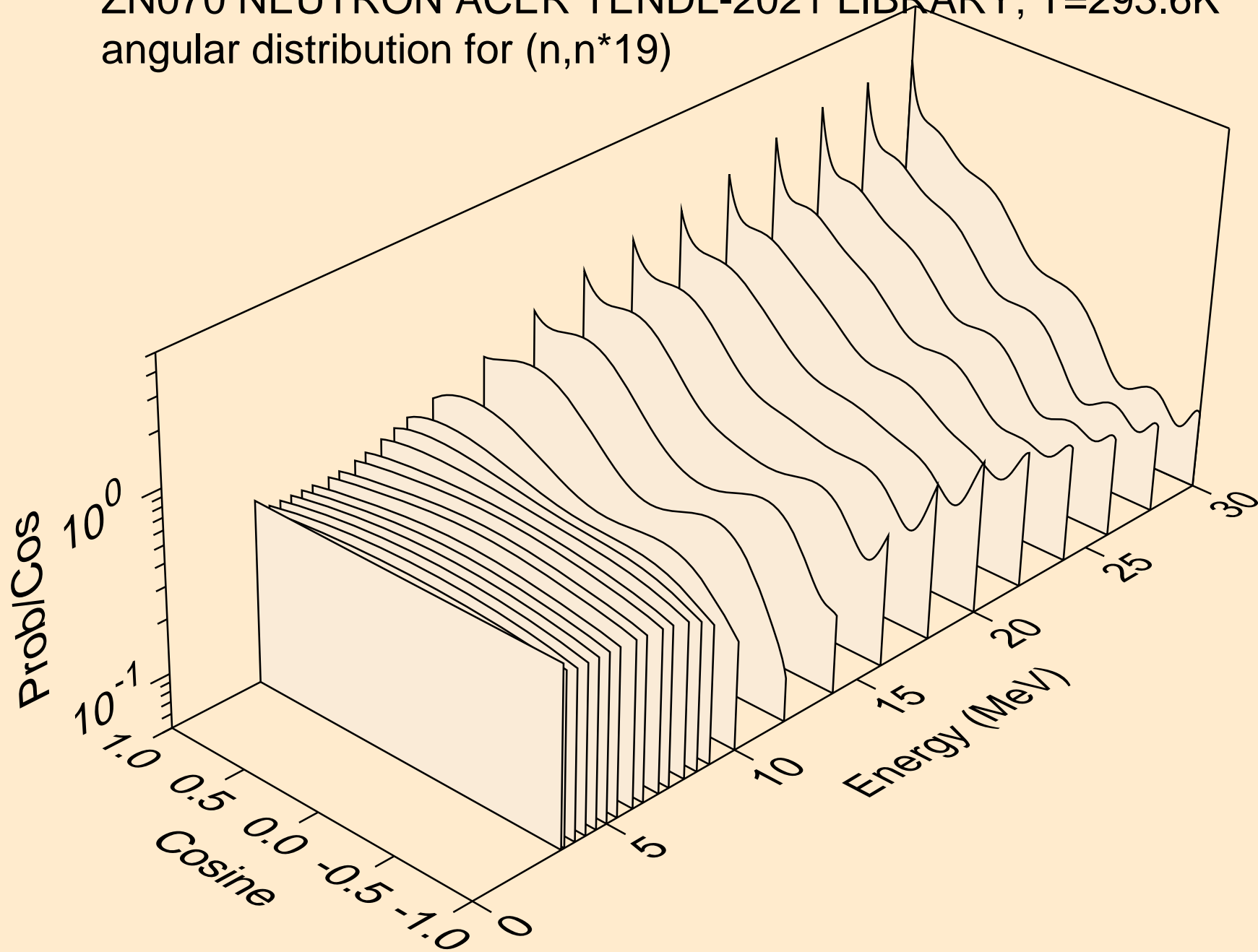
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angular distribution for (n,n\*17)



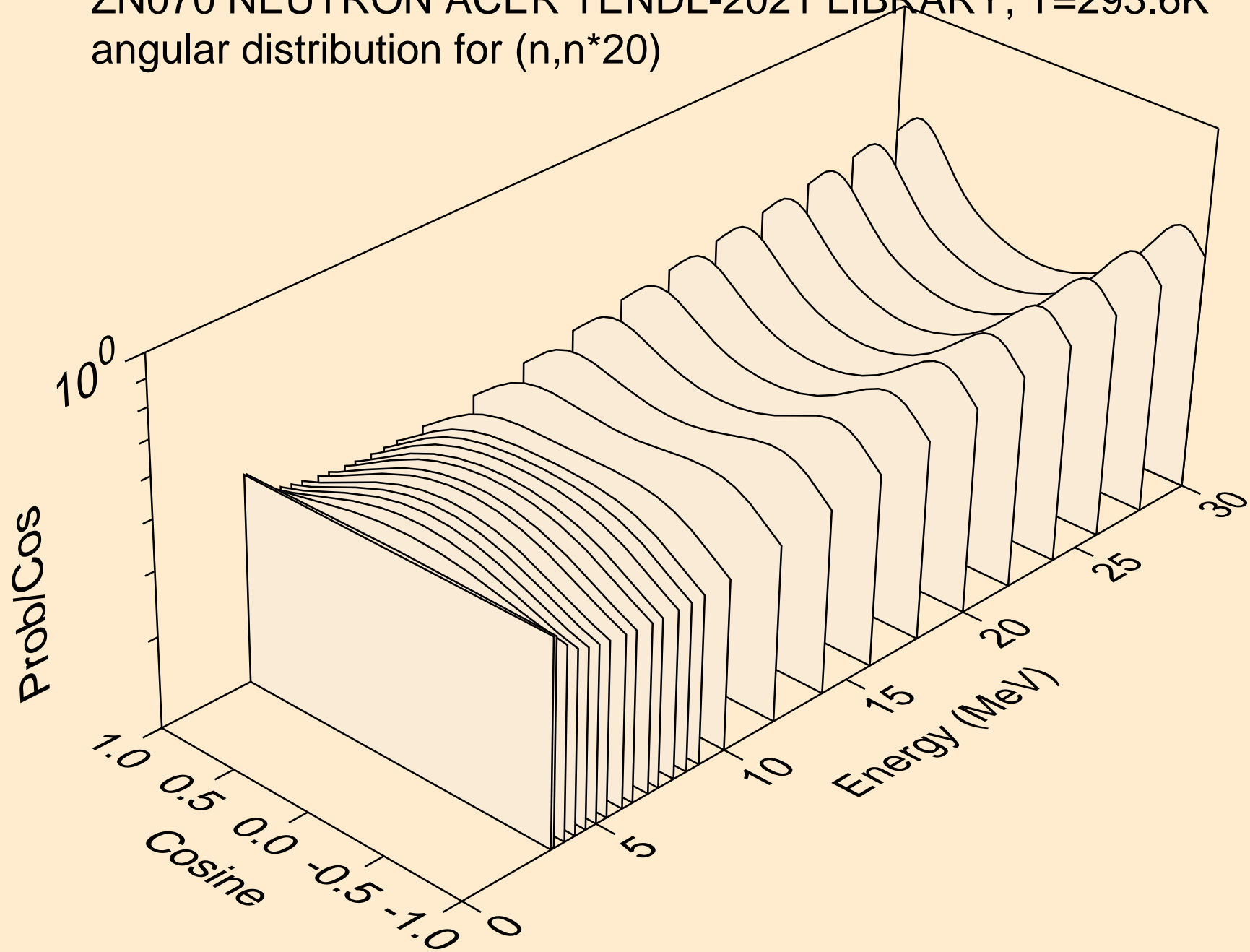
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angular distribution for (n,n\*18)



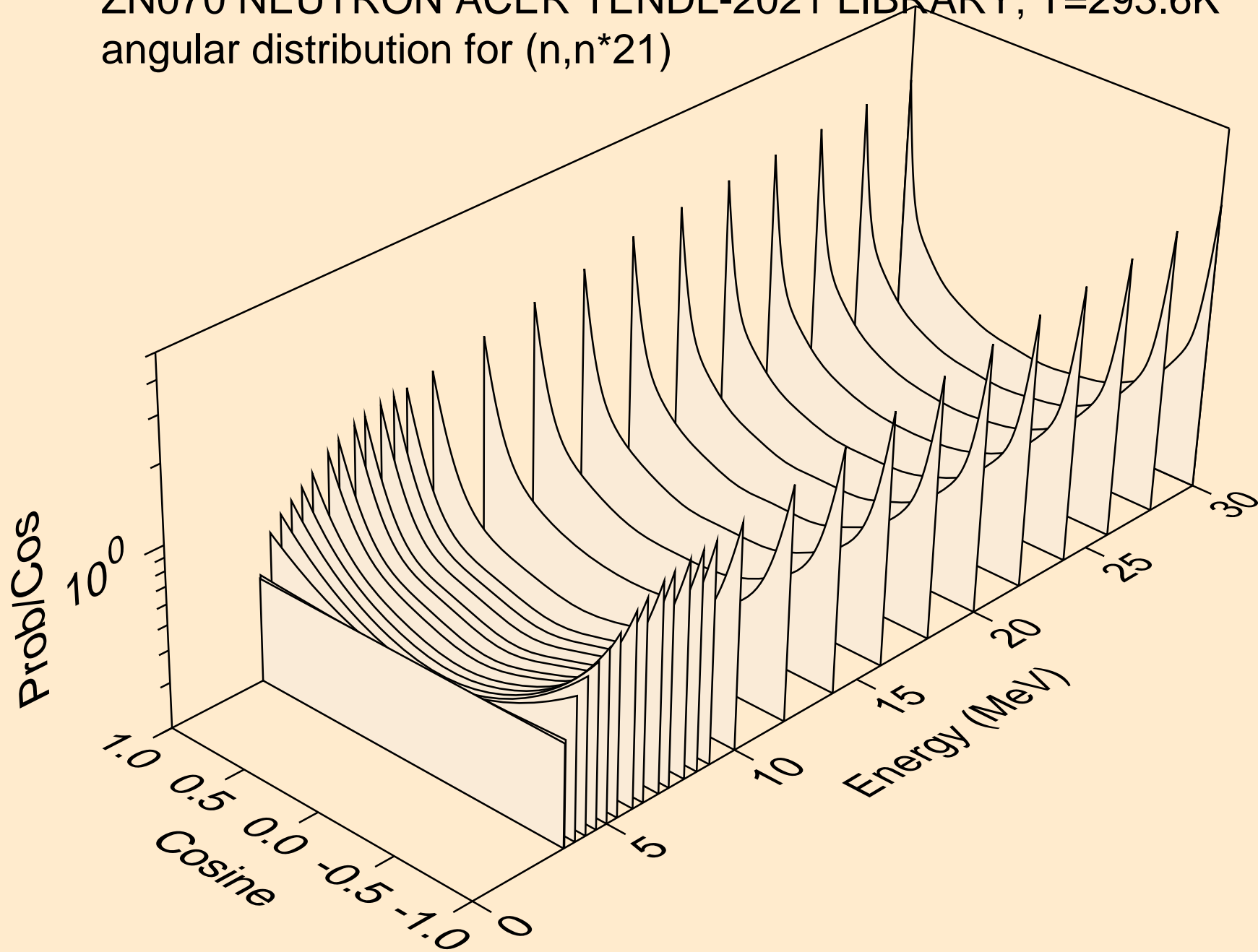
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angular distribution for (n,n\*19)



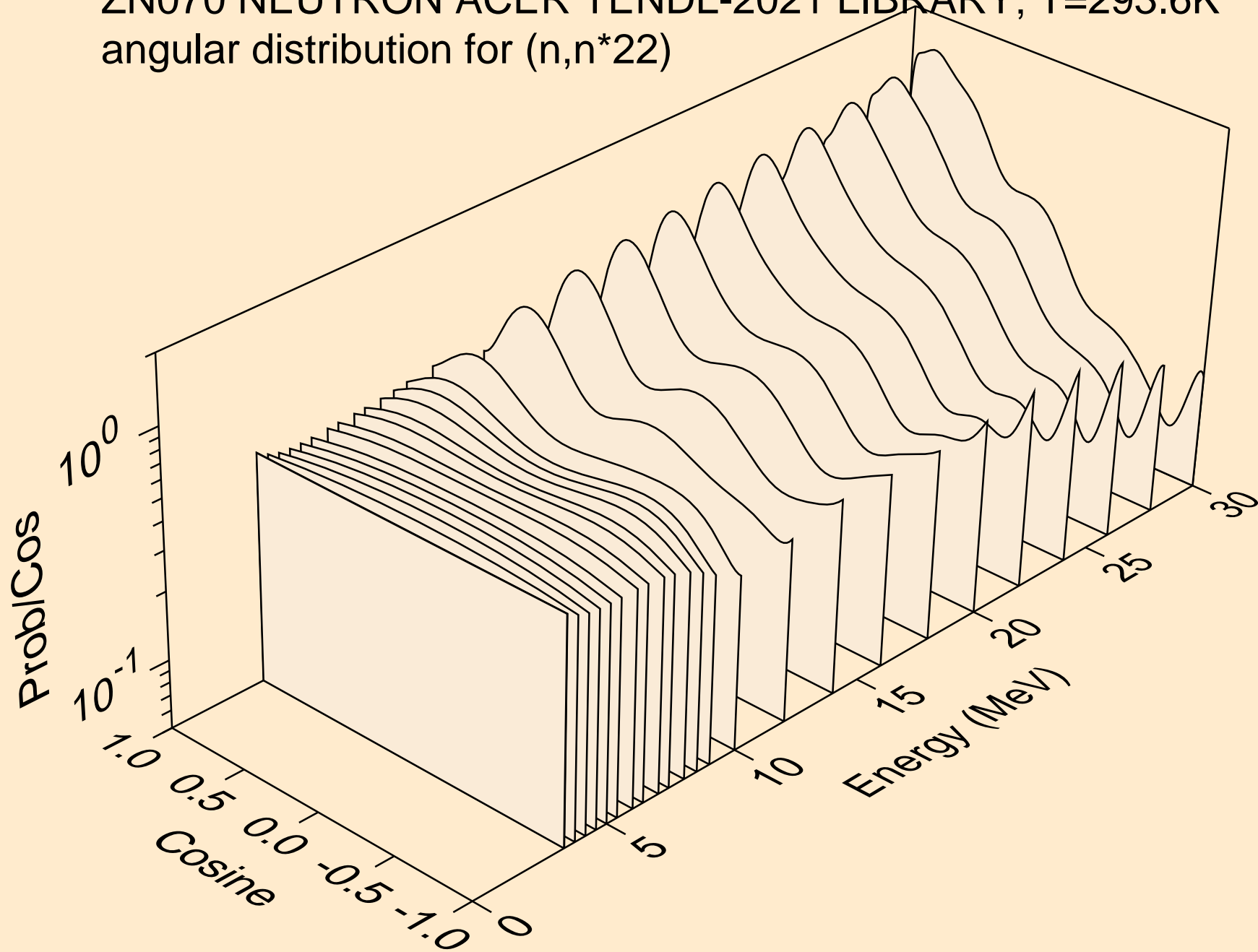
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angular distribution for (n,n\*20)



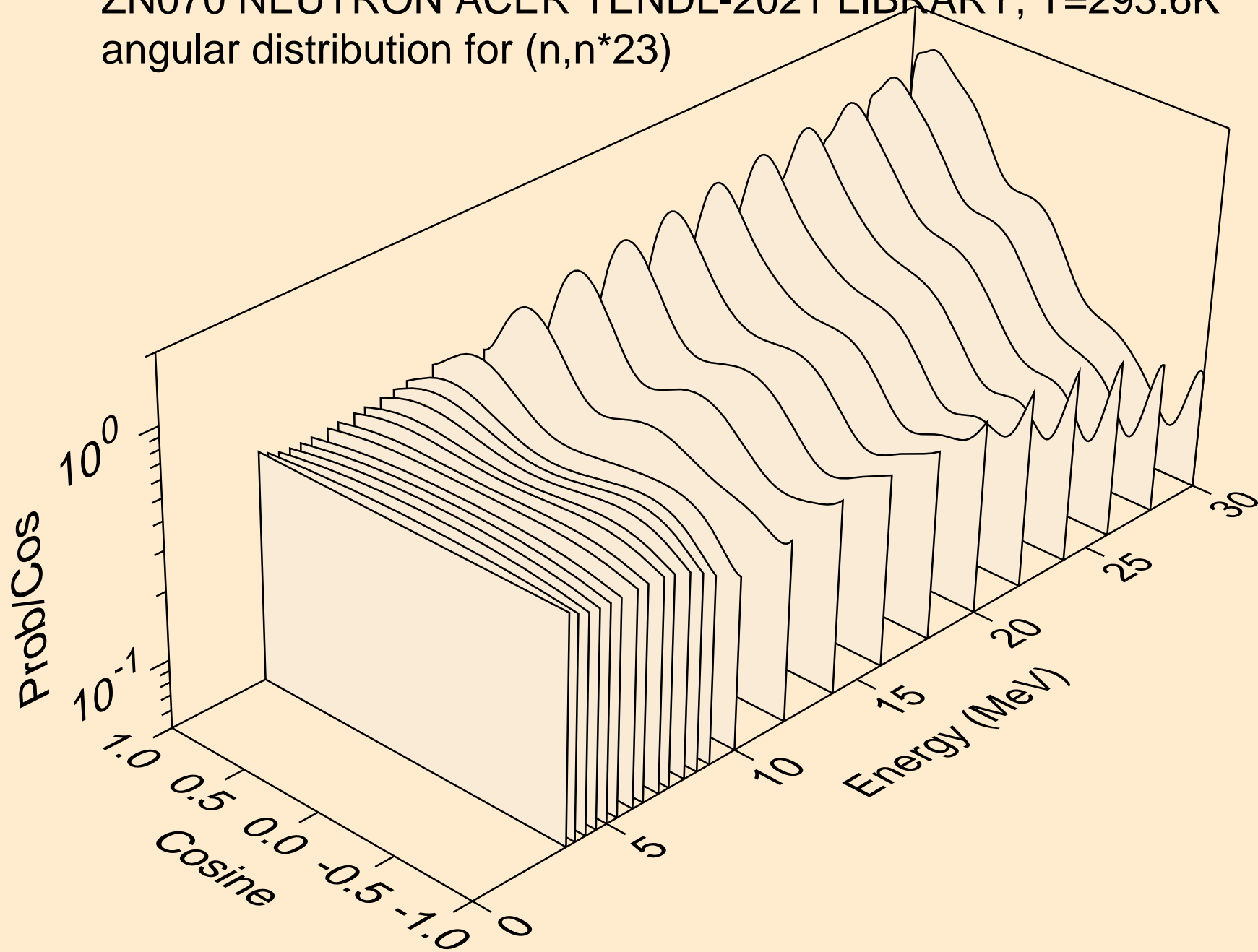
ZN070 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*21)



ZN070 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*22)

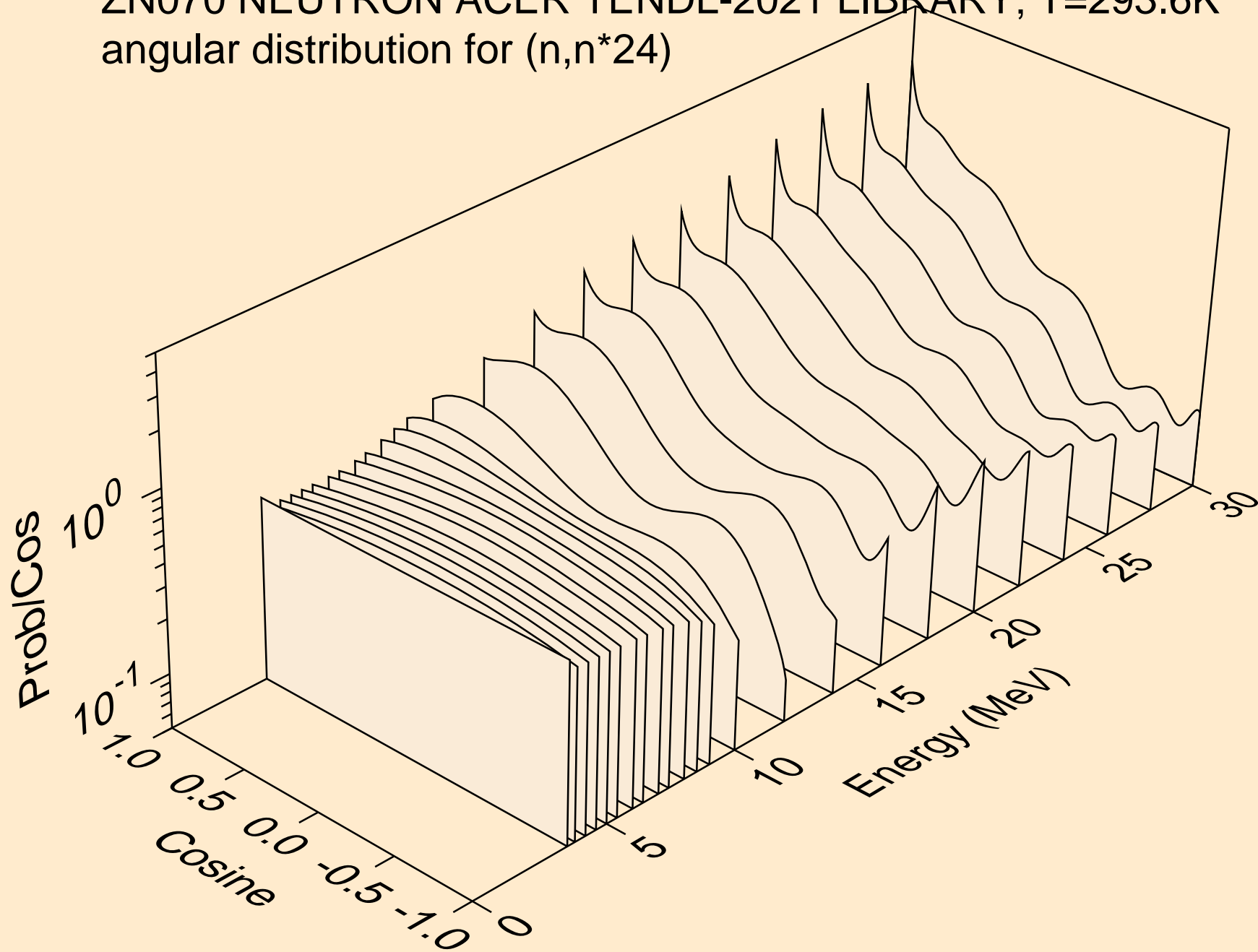


ZN070 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*23)

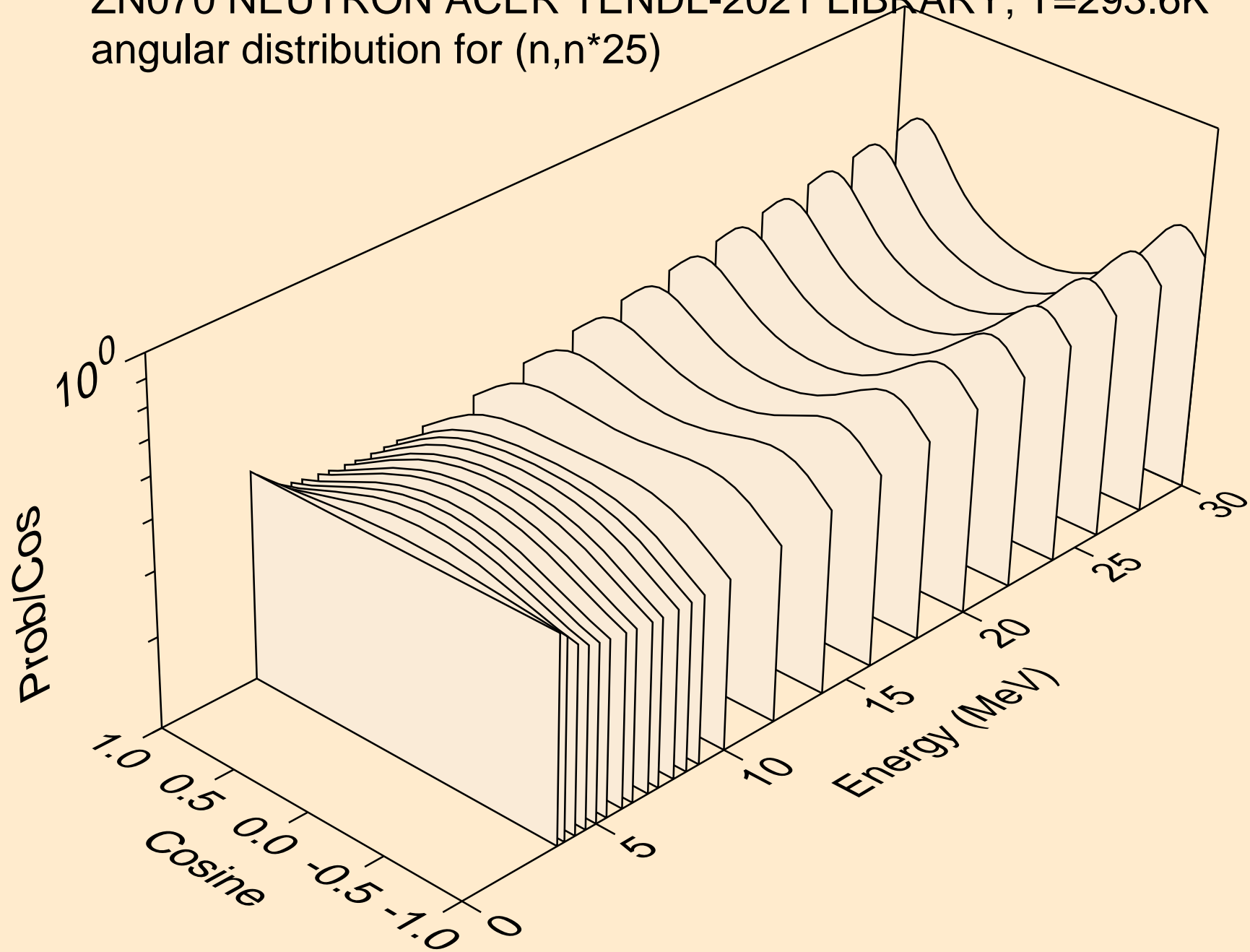




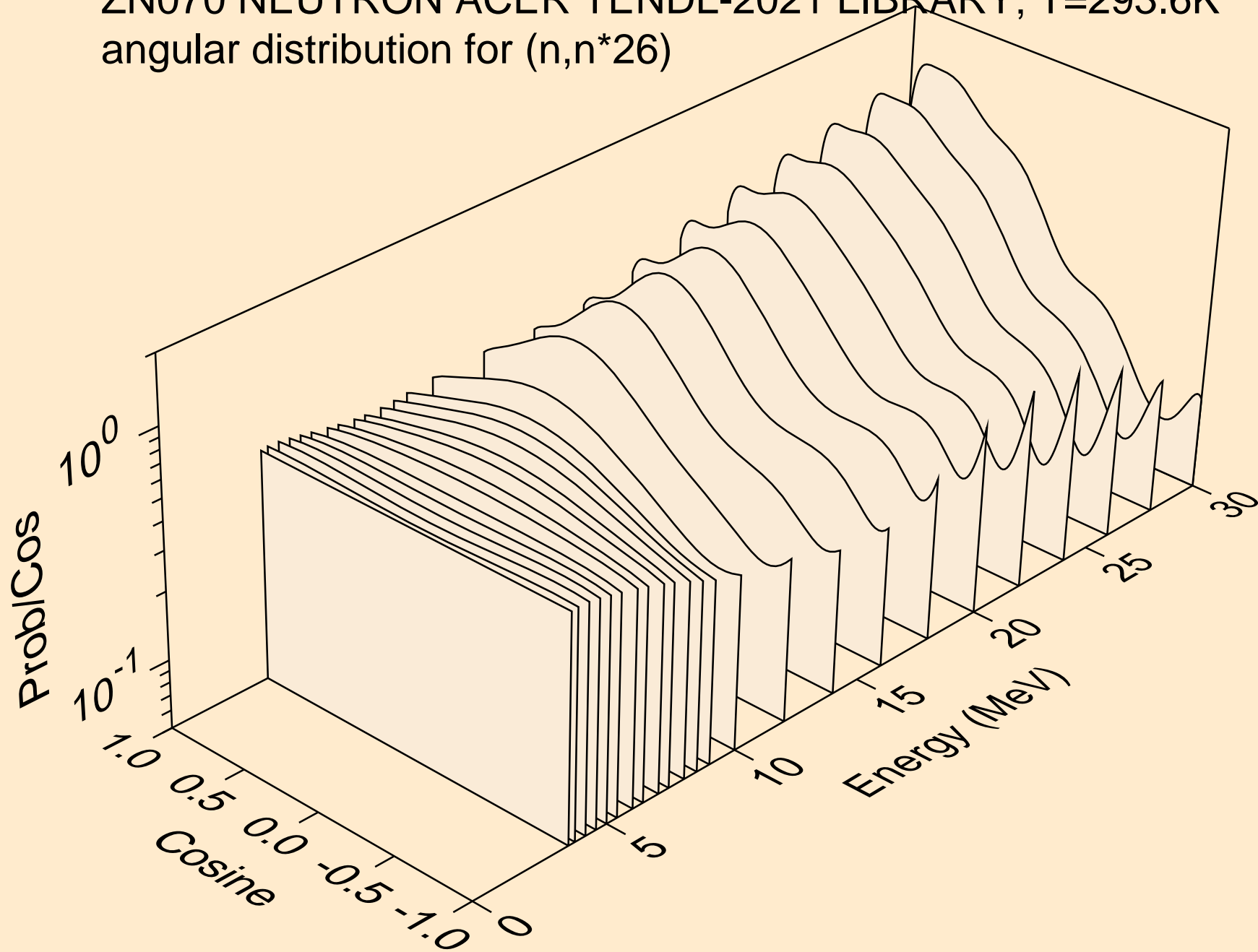
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angular distribution for (n,n\*24)



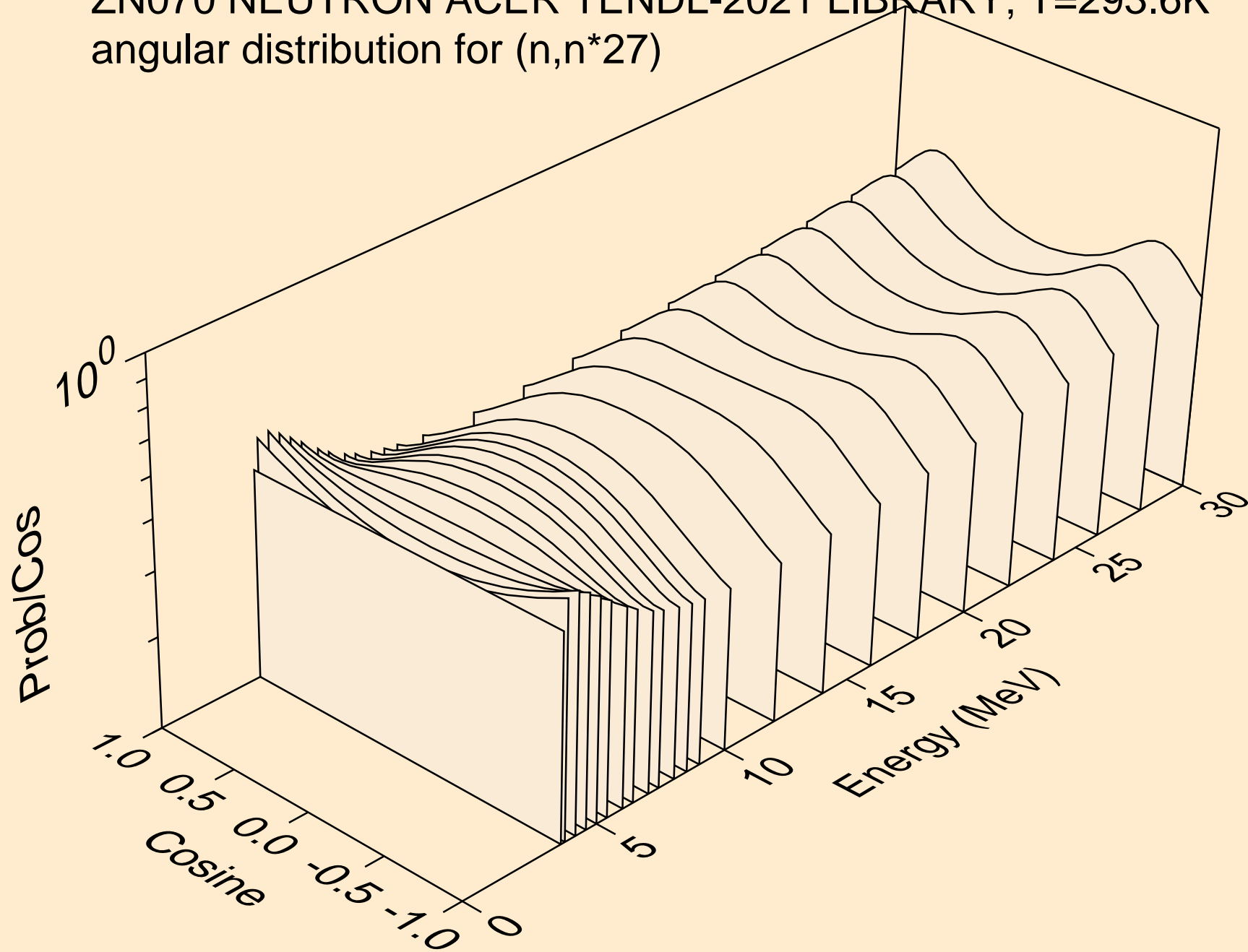
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angular distribution for (n,n\*25)



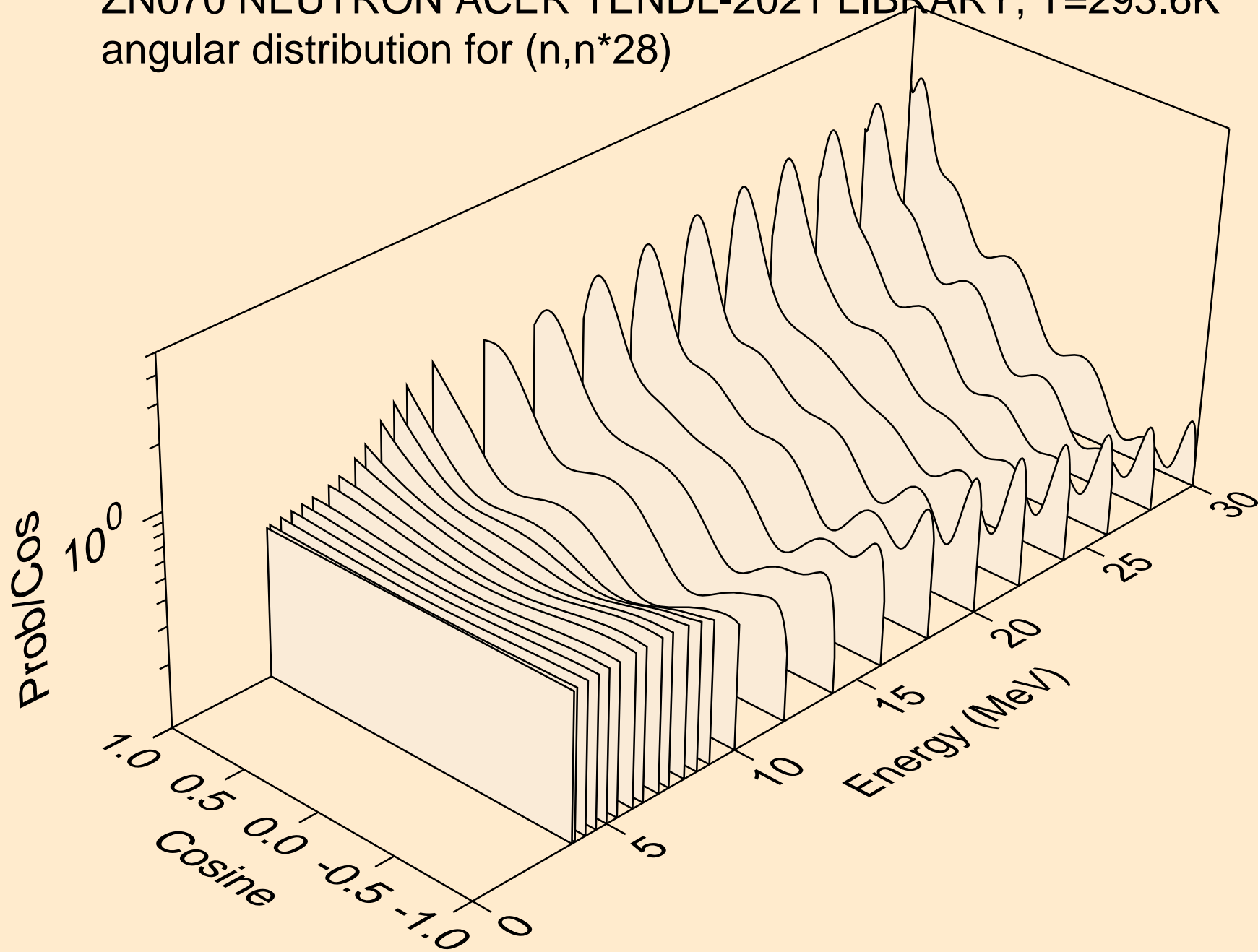
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angular distribution for (n,n\*26)



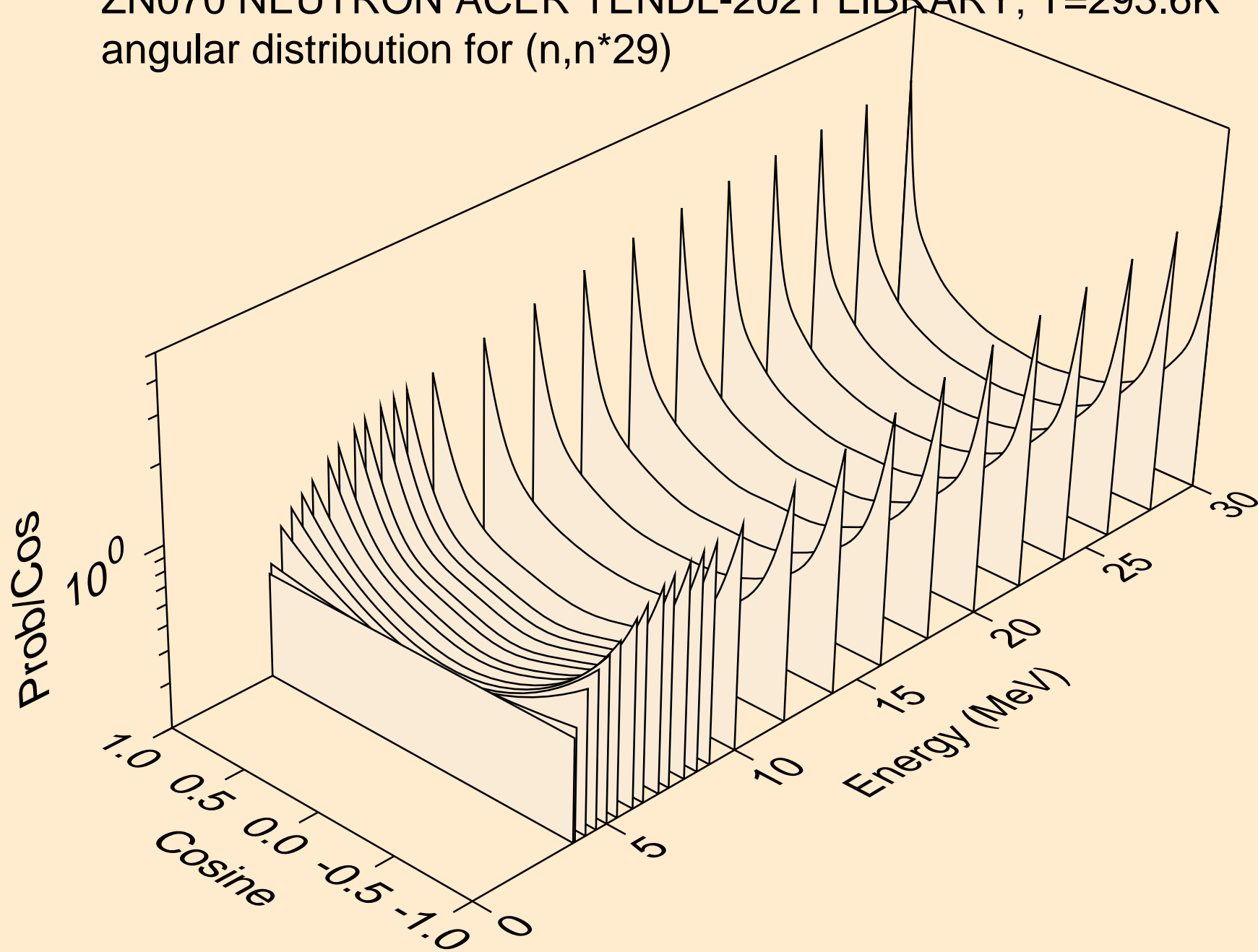
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angular distribution for (n,n\*27)



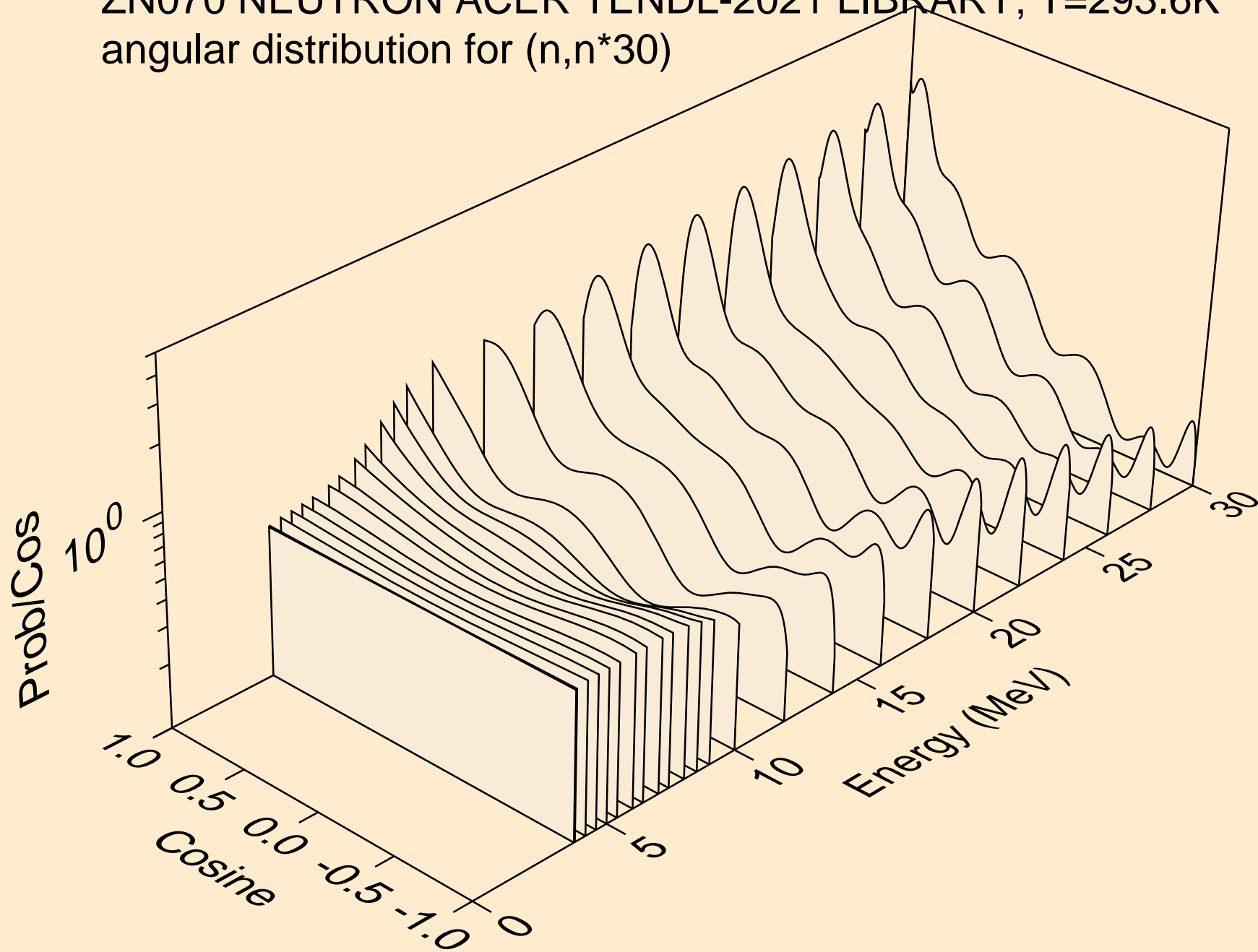
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angular distribution for (n,n\*28)



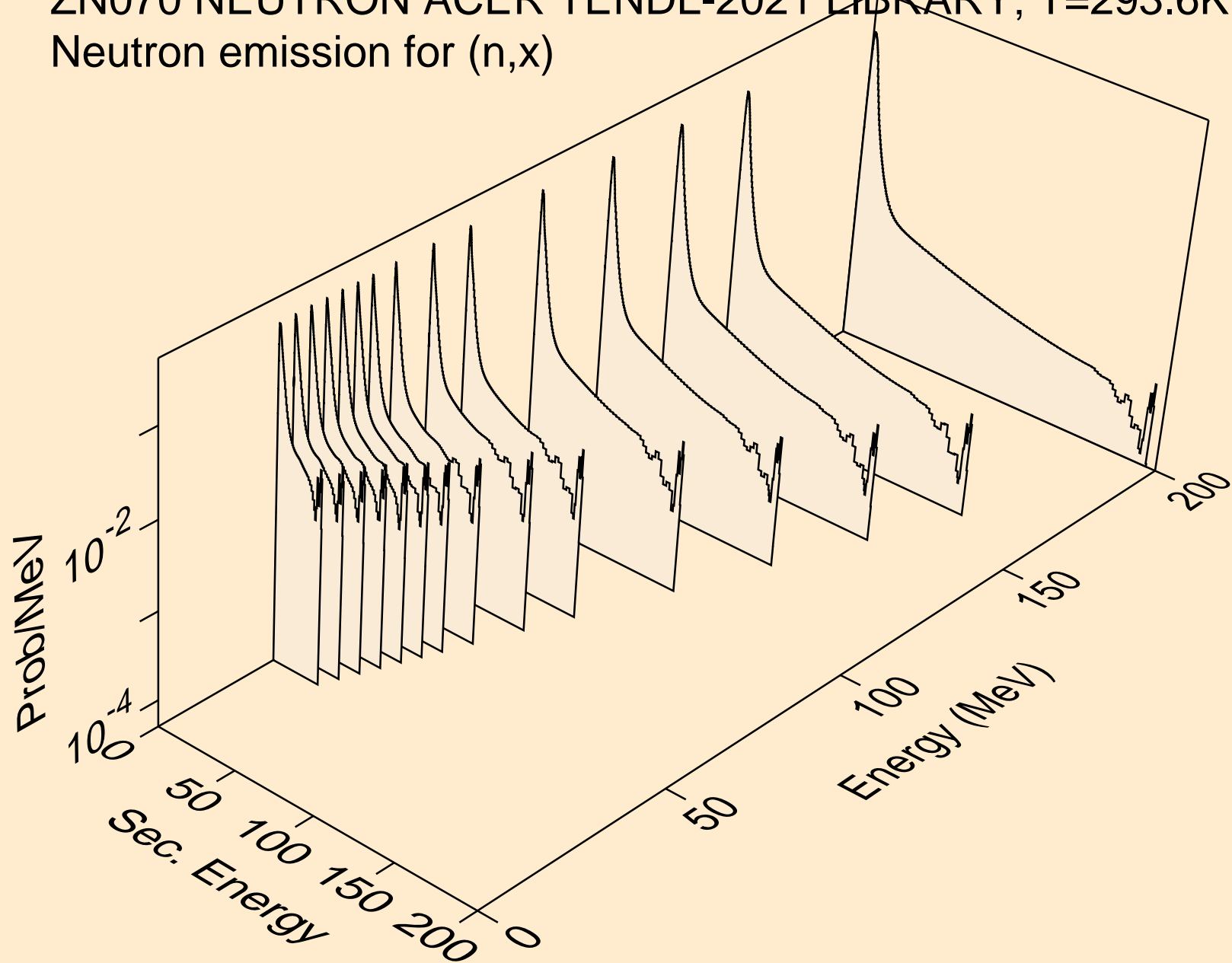
ZN070 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*29)



ZN070 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*30)

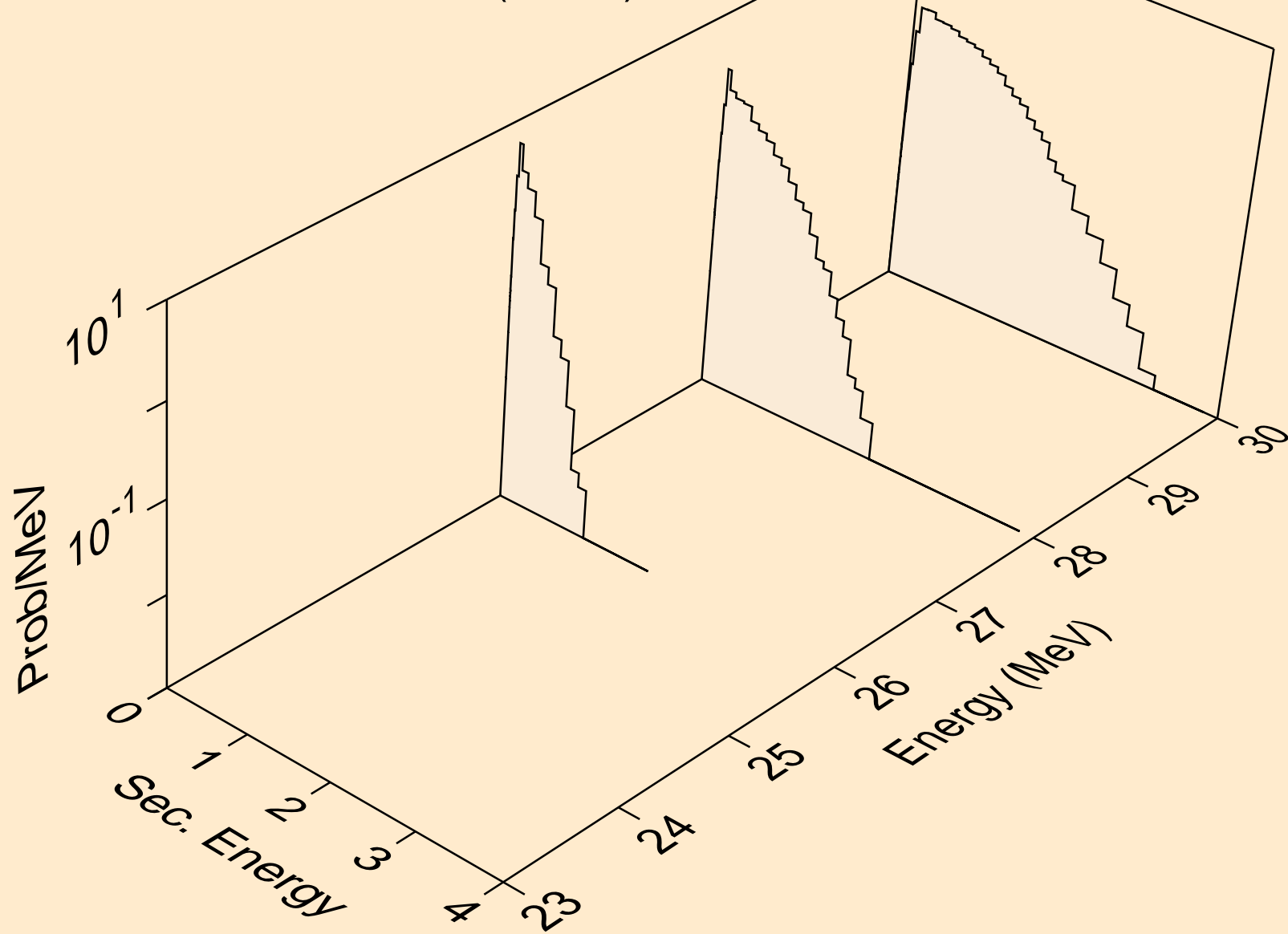


ZN070 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,x)

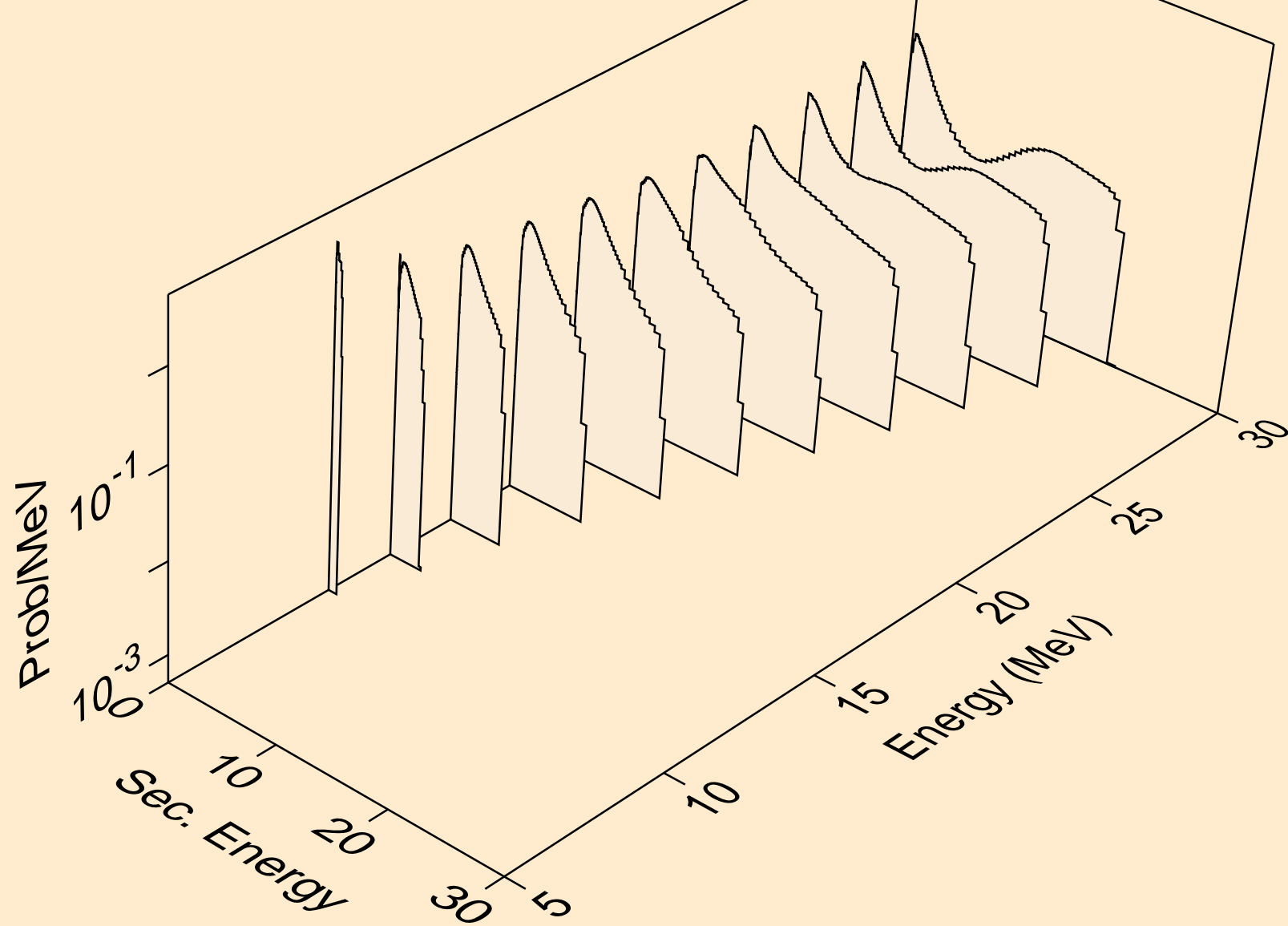




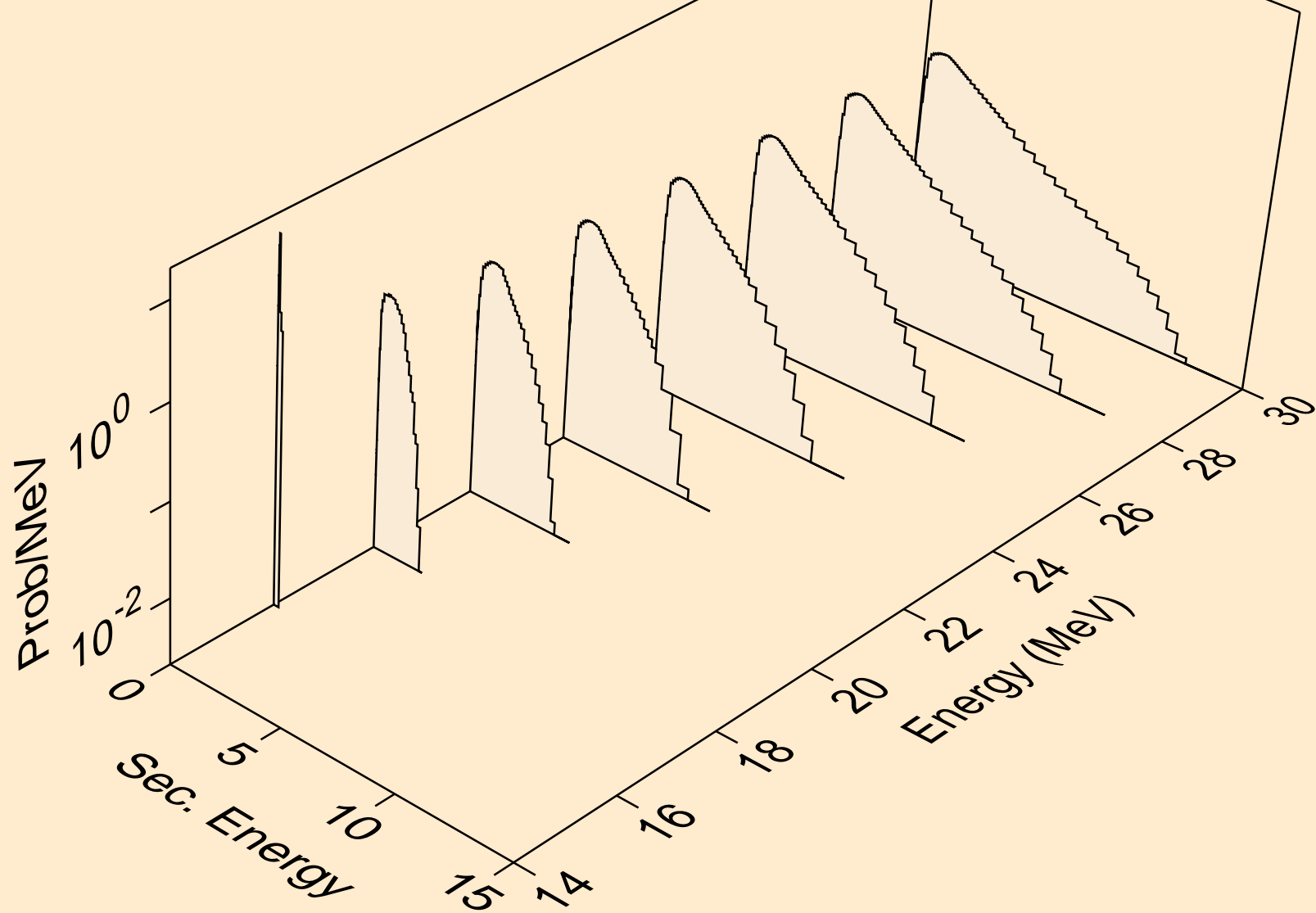
ZN070 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2nd)



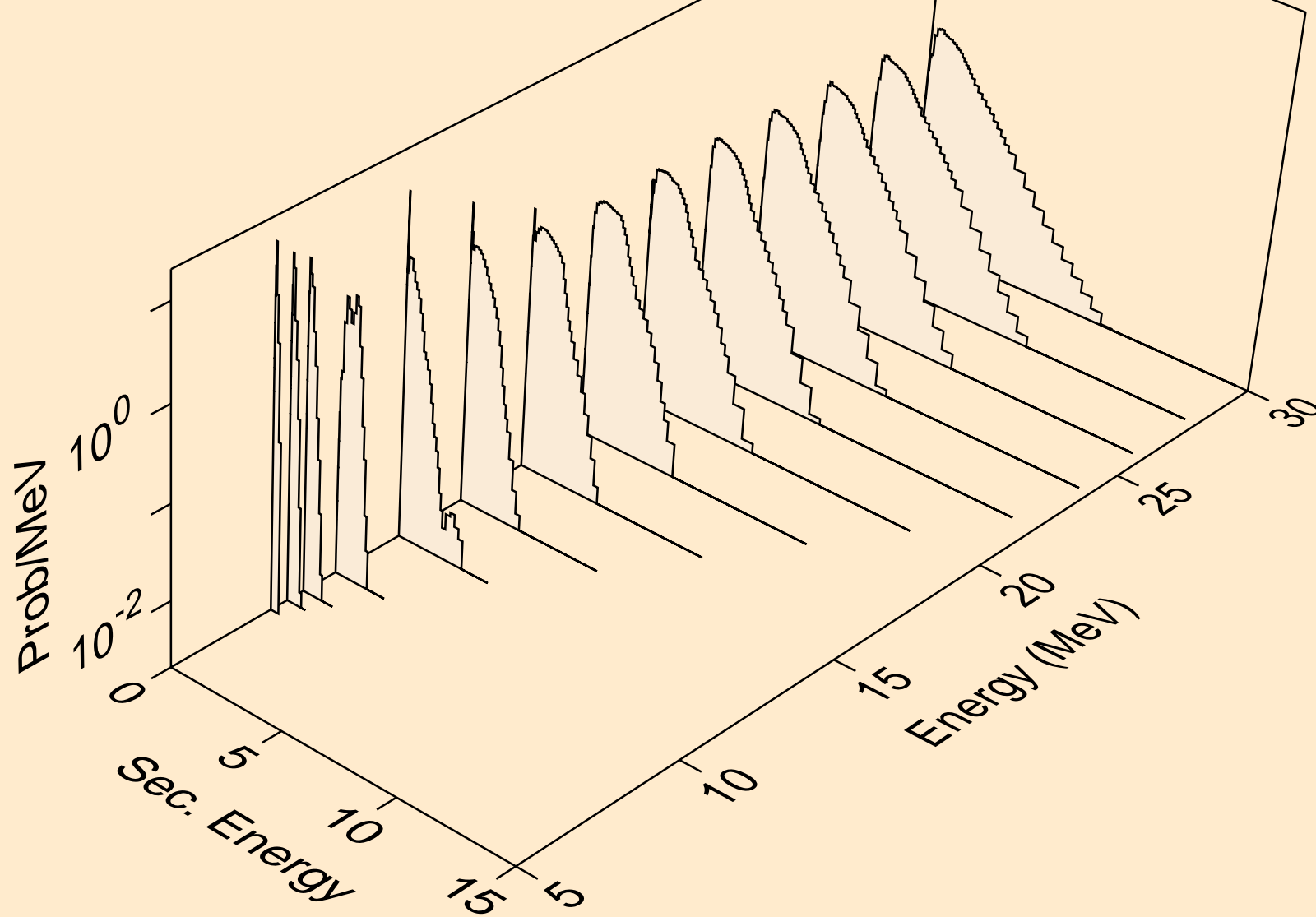
ZN070 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)



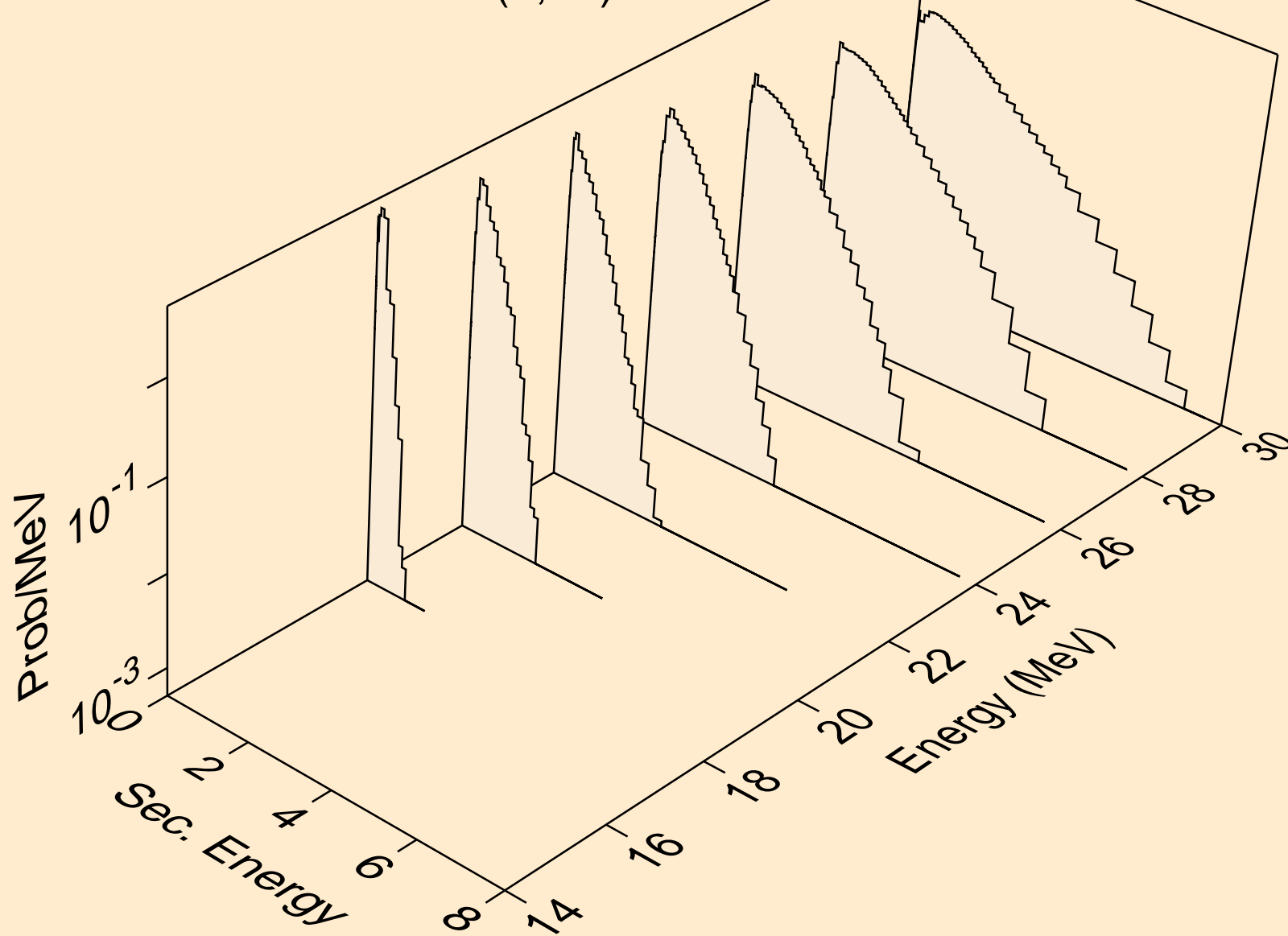
ZN070 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3n)



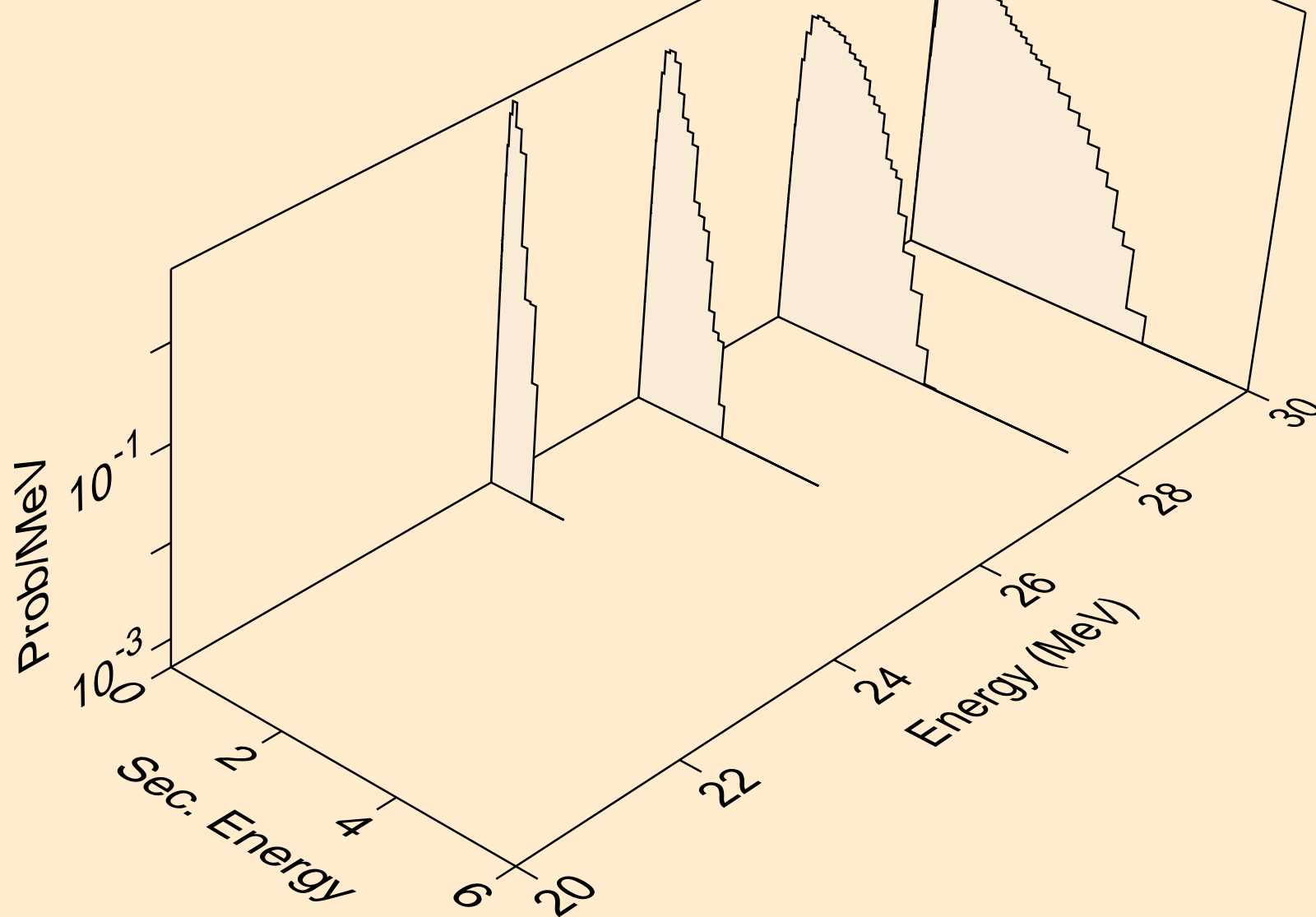
ZN070 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)a



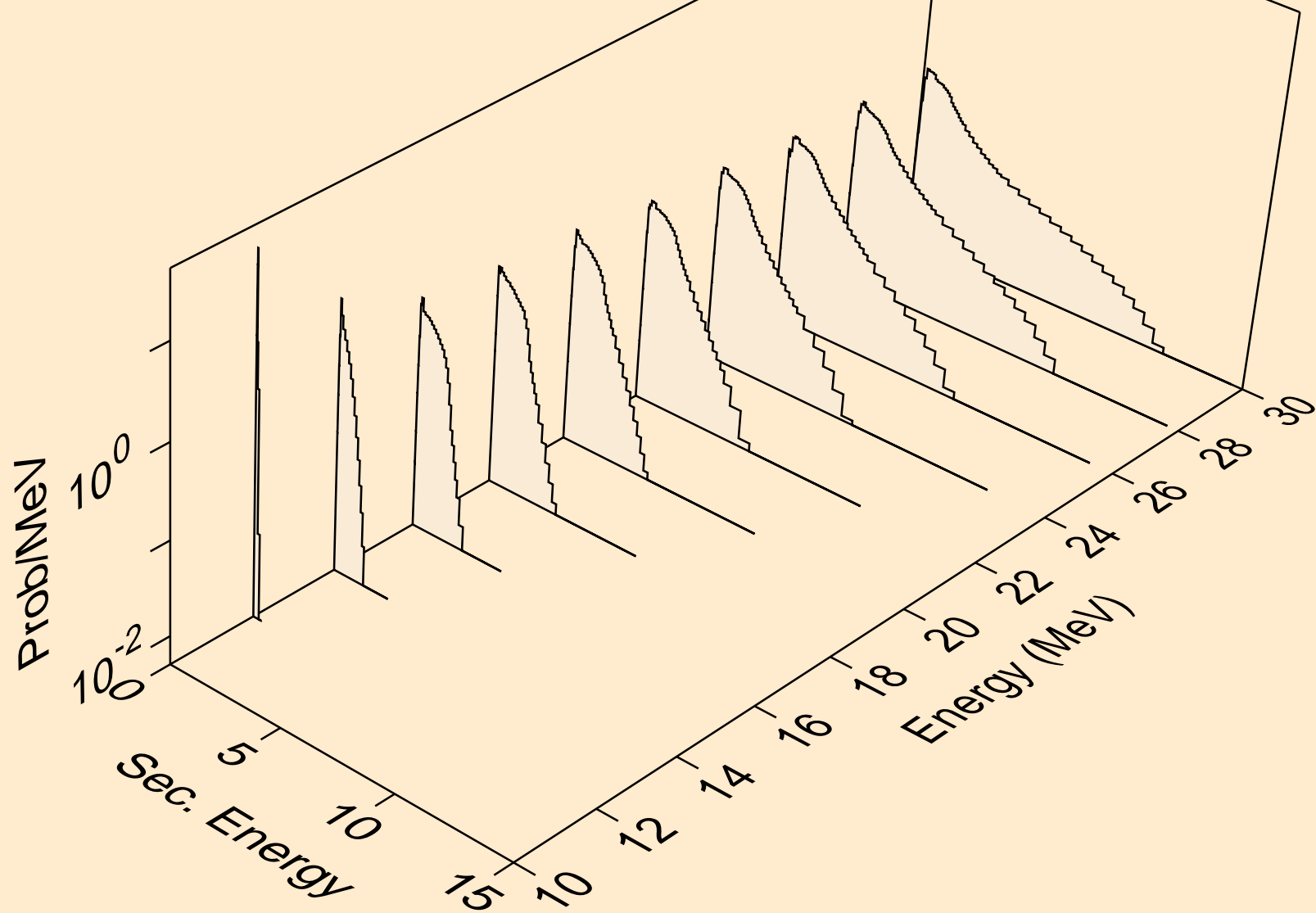
ZN070 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)<sub>a</sub>



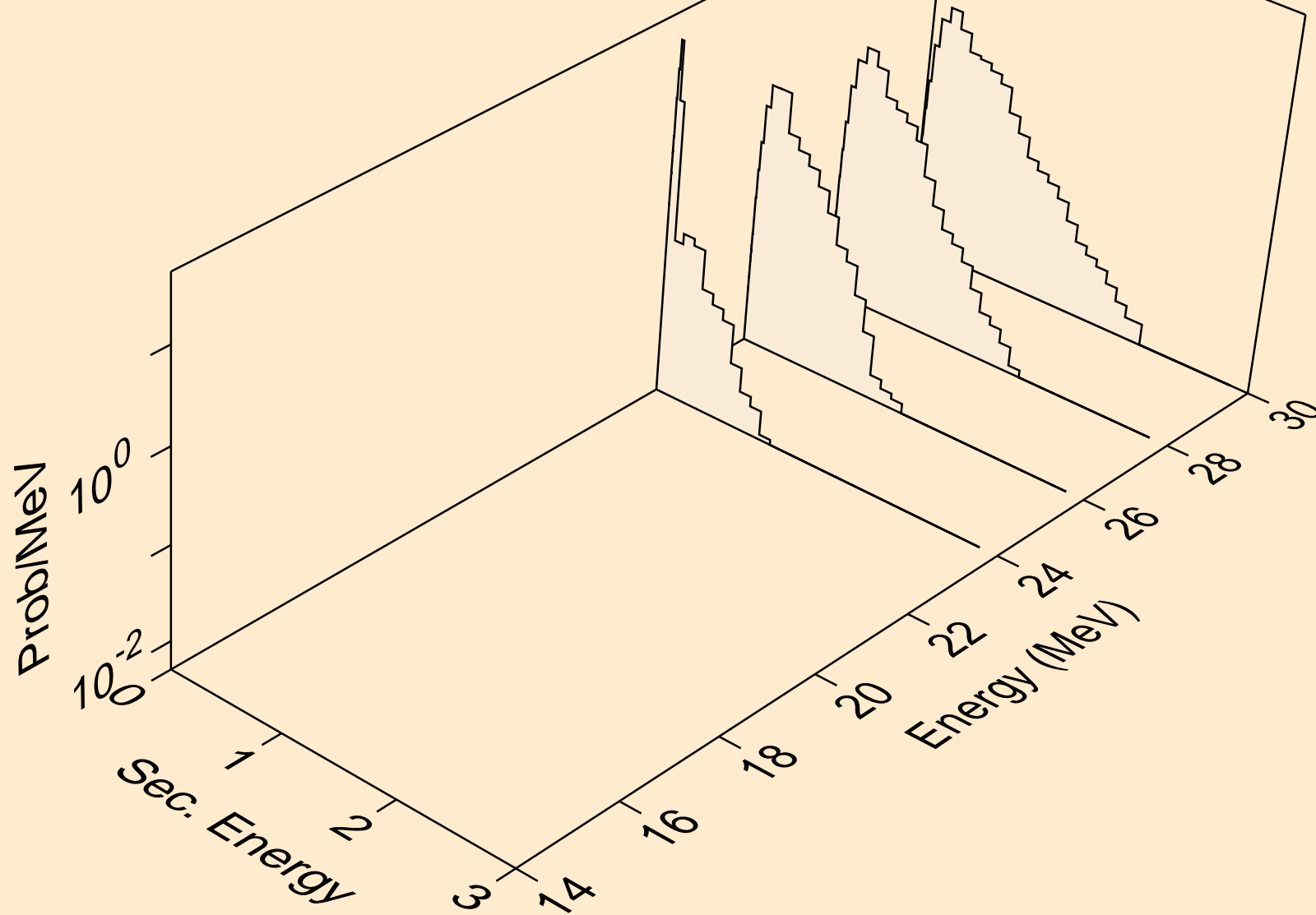
ZN070 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3n)a



ZN070 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)p

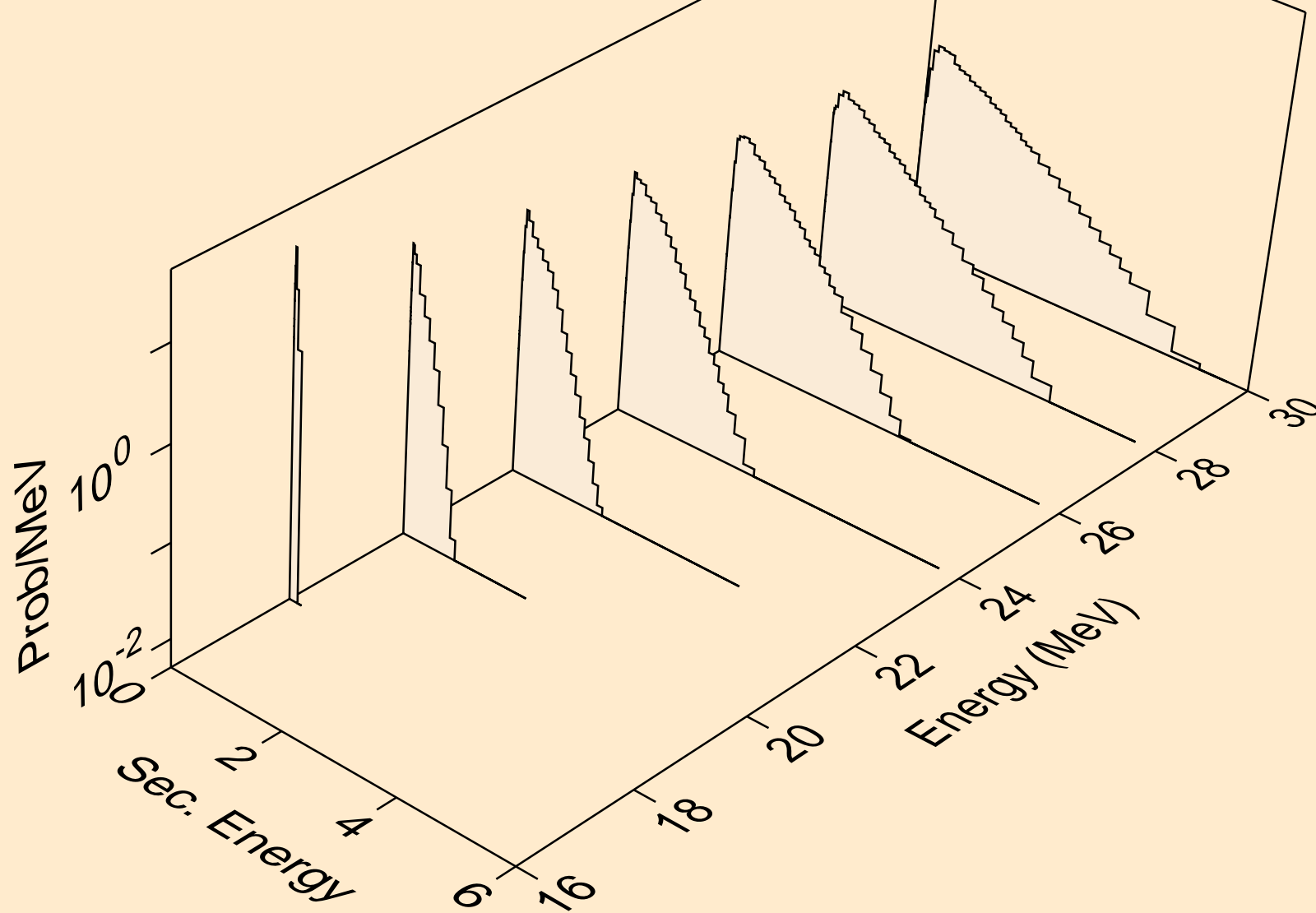


ZN070 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)2a

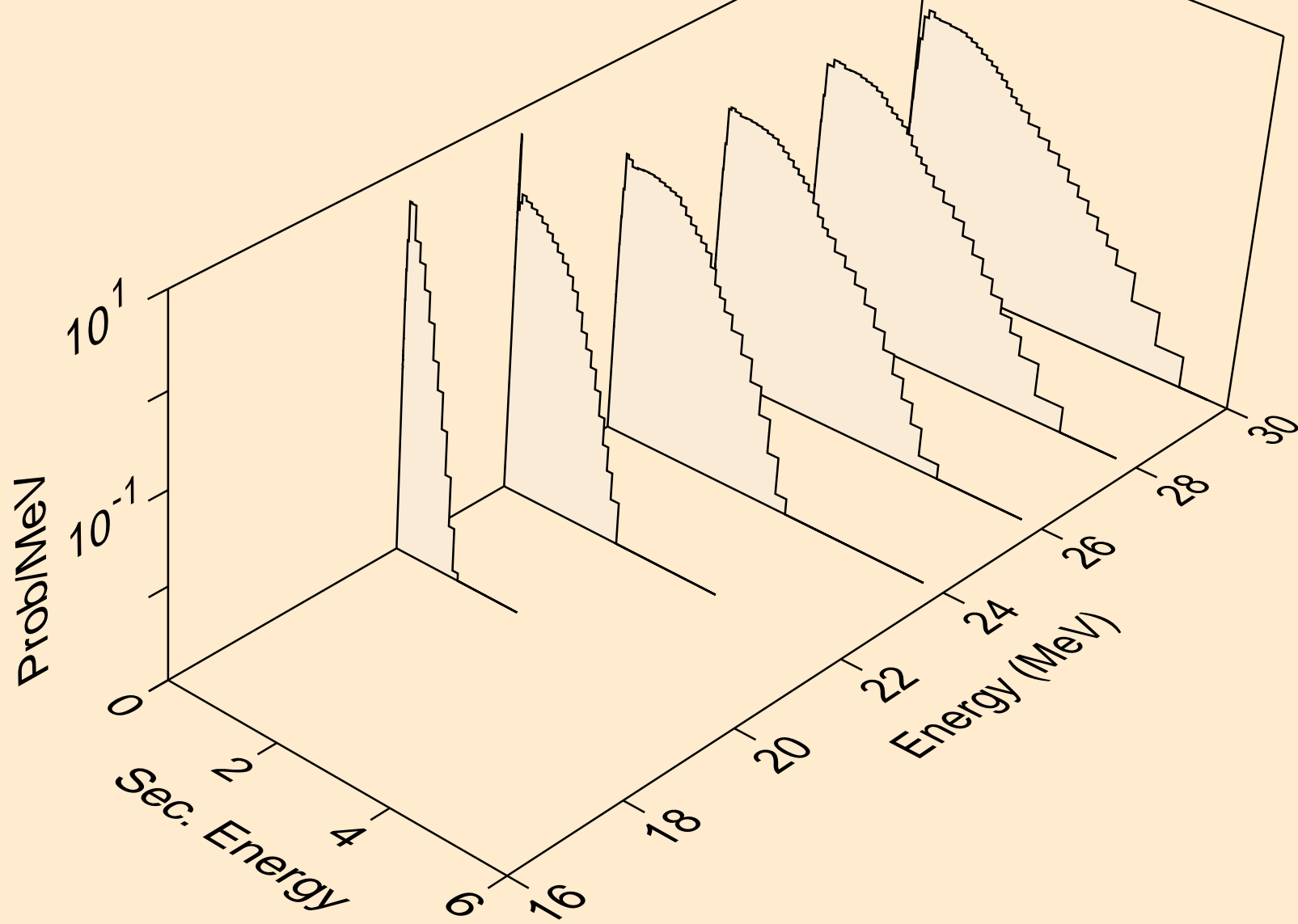




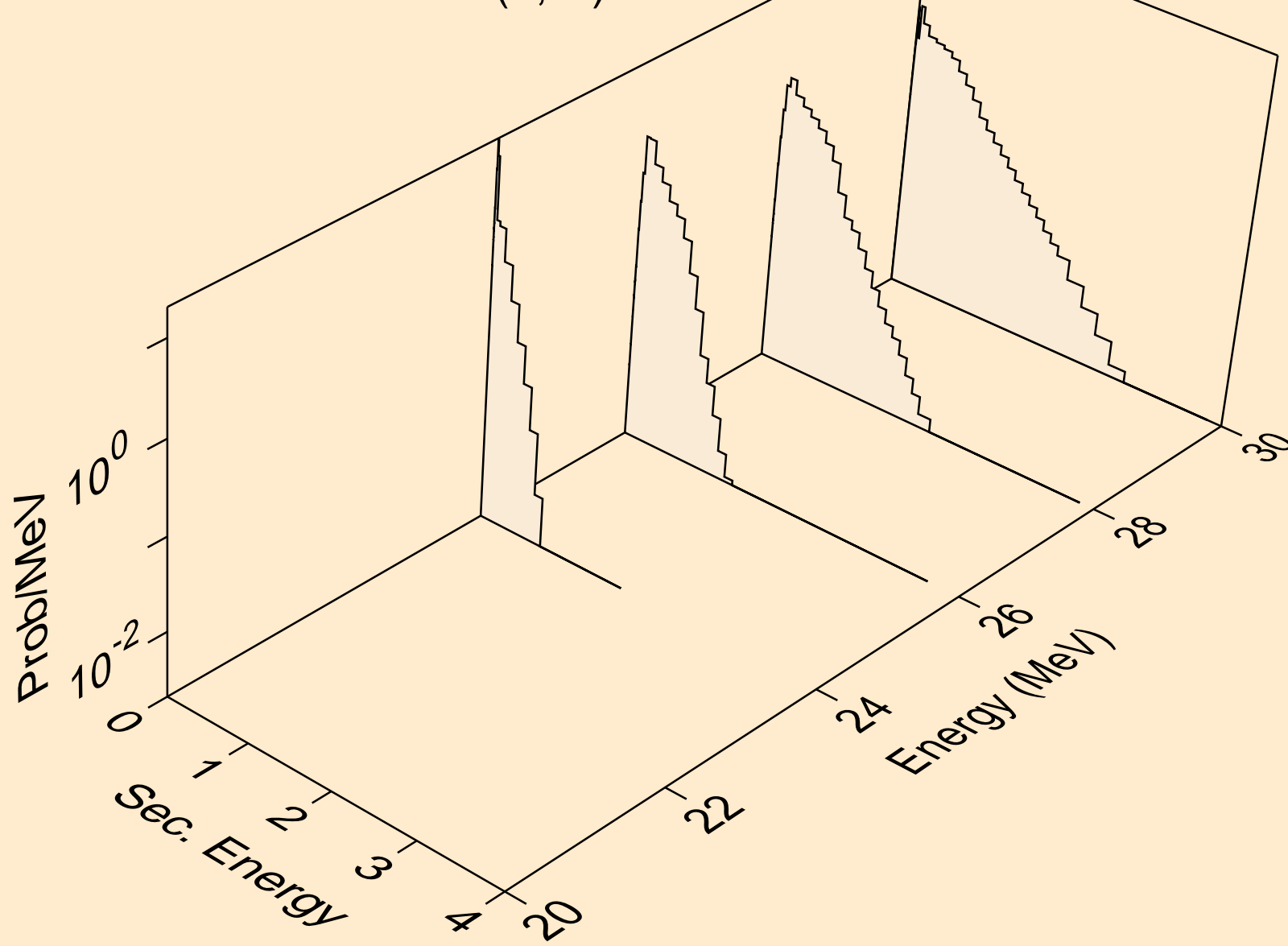
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Neutron emission for (n,n\*)d



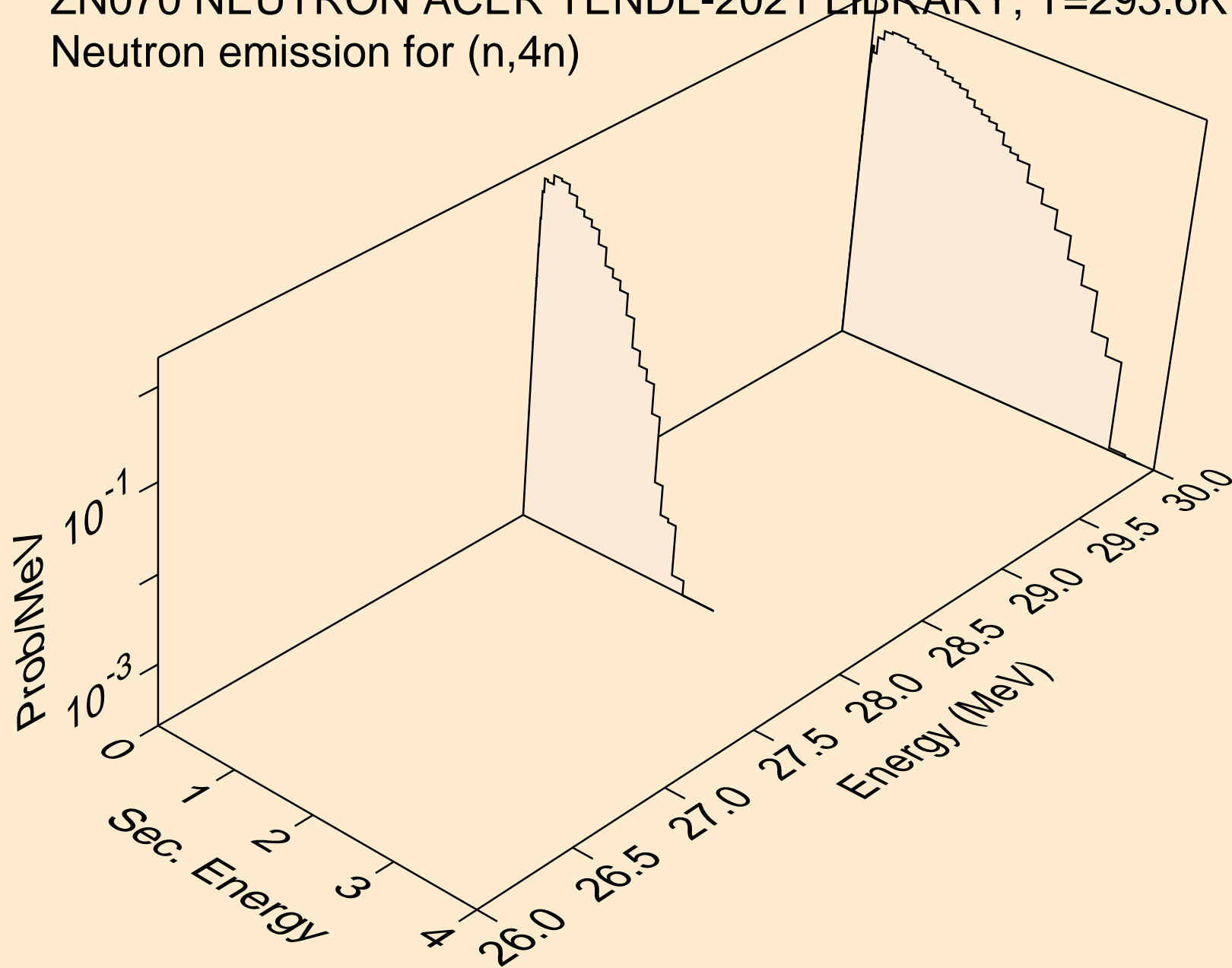
ZN070 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)t



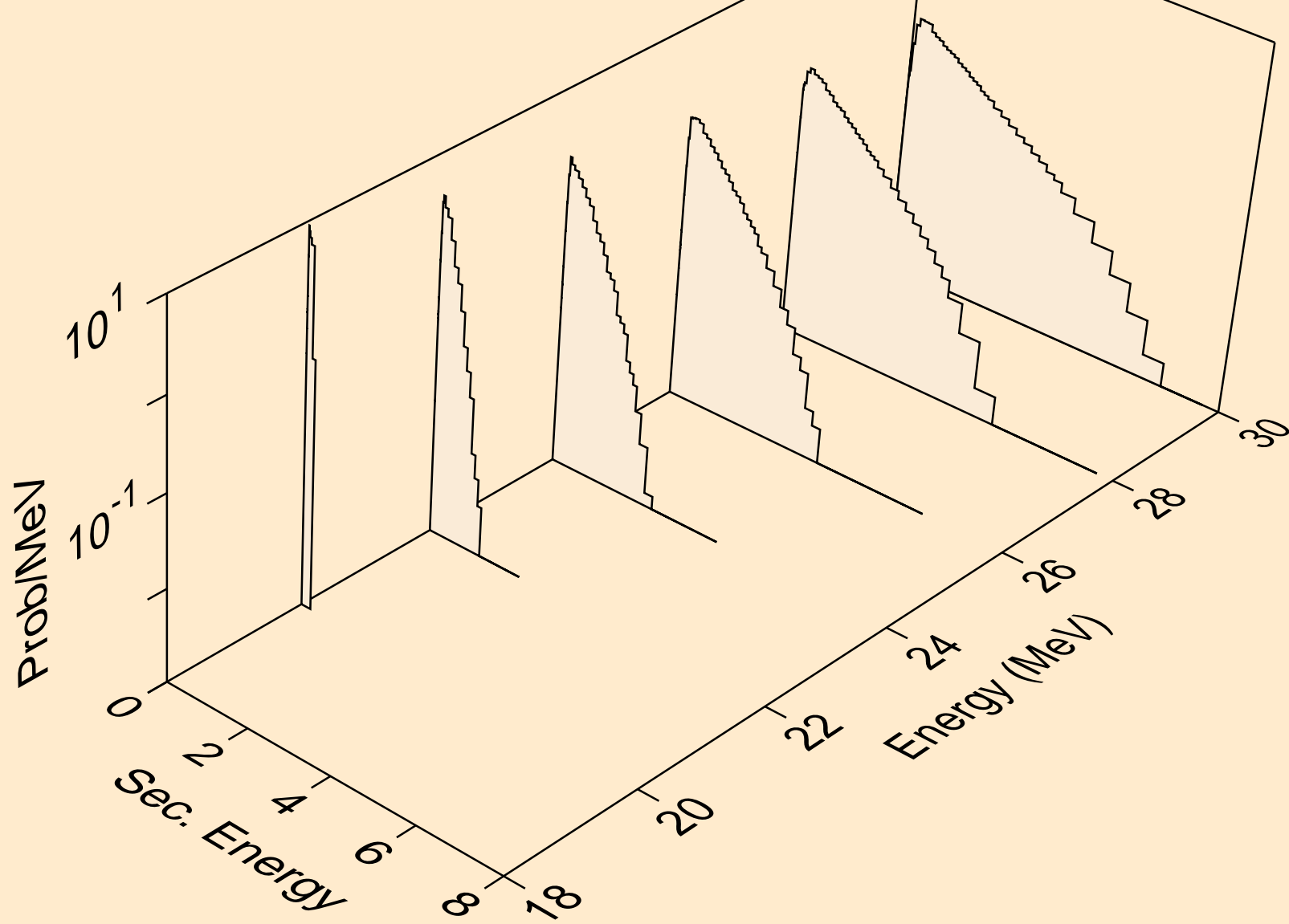
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Neutron emission for (n,n\*)he3



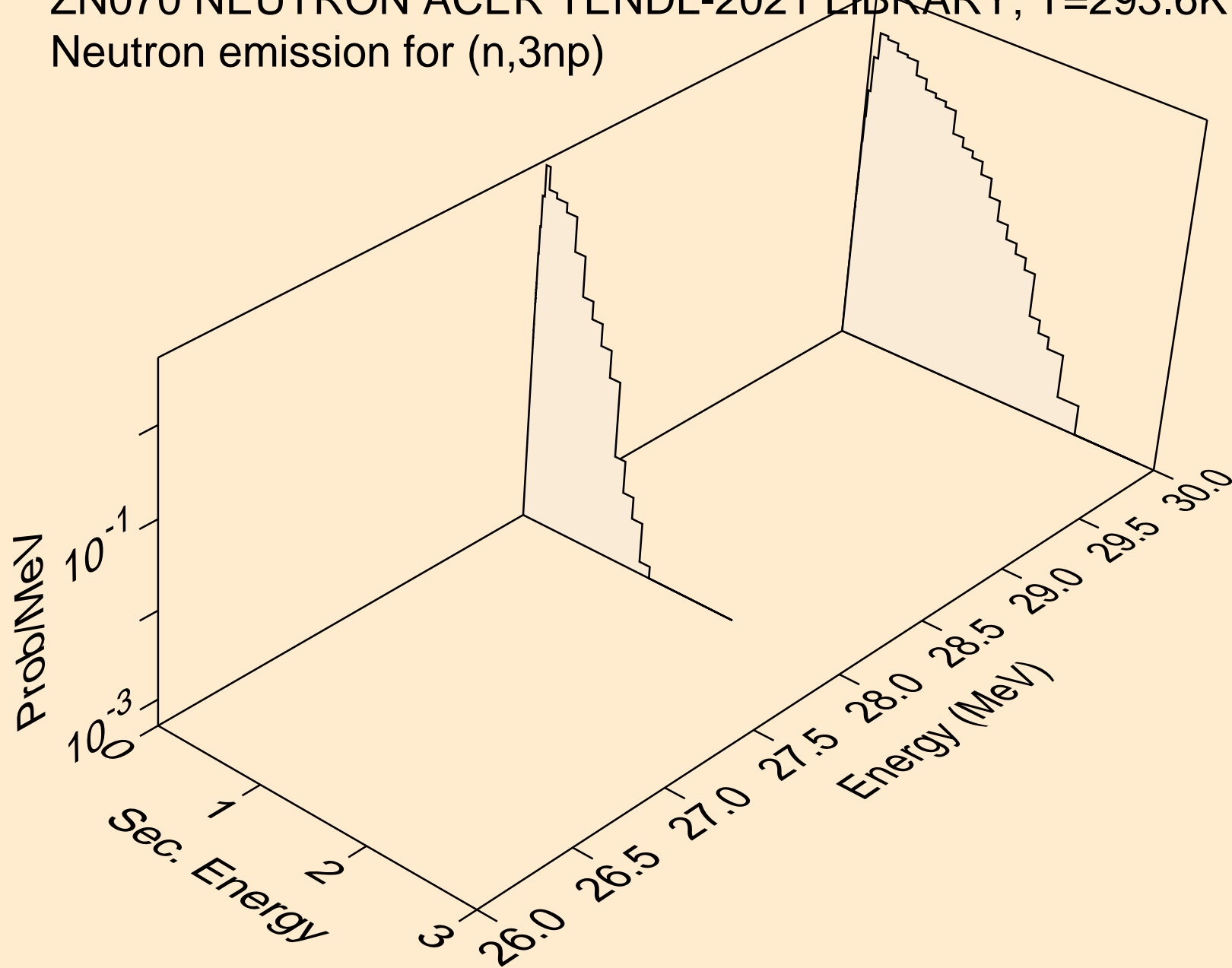
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Neutron emission for (n,4n)



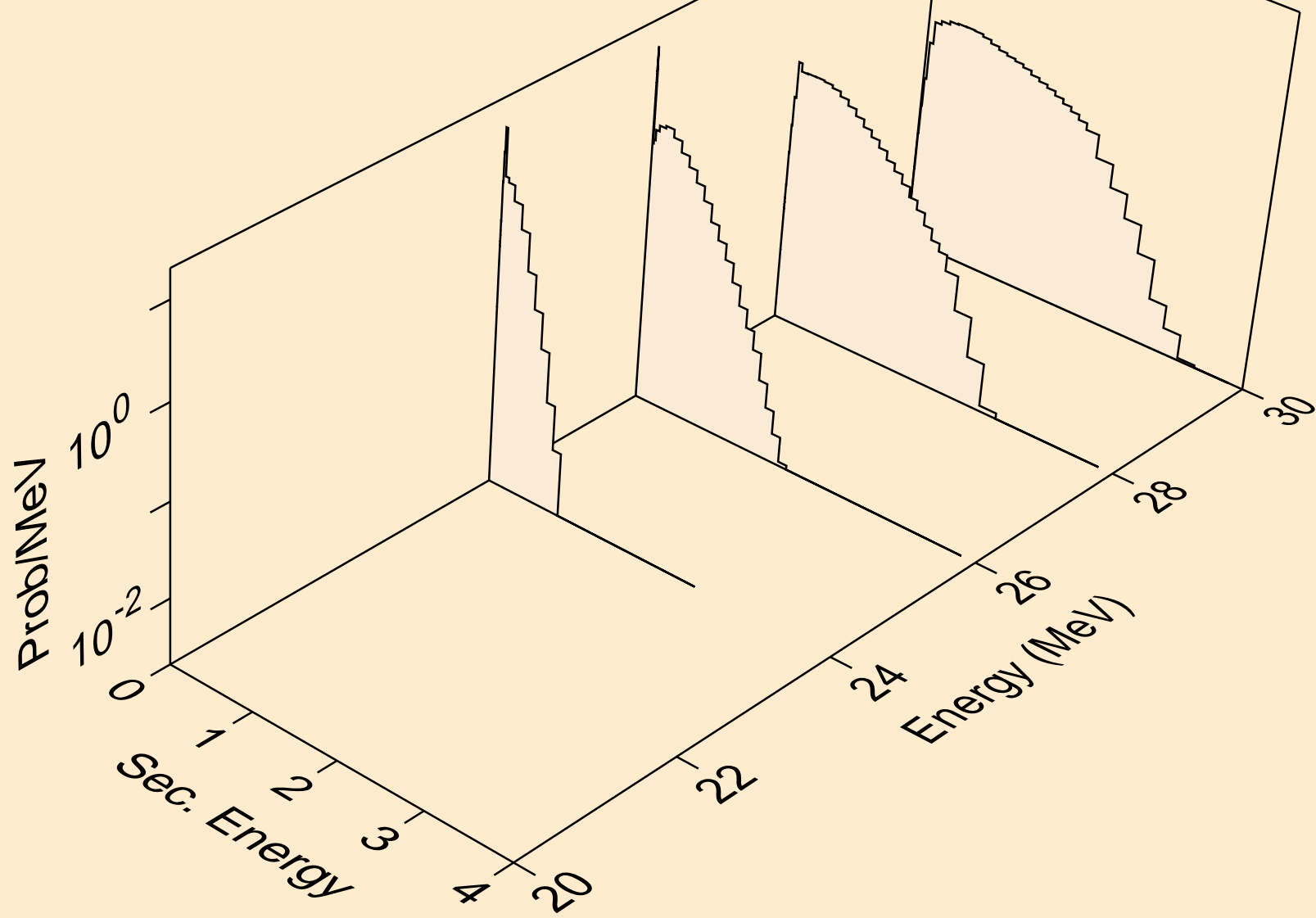
ZN070 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2np)



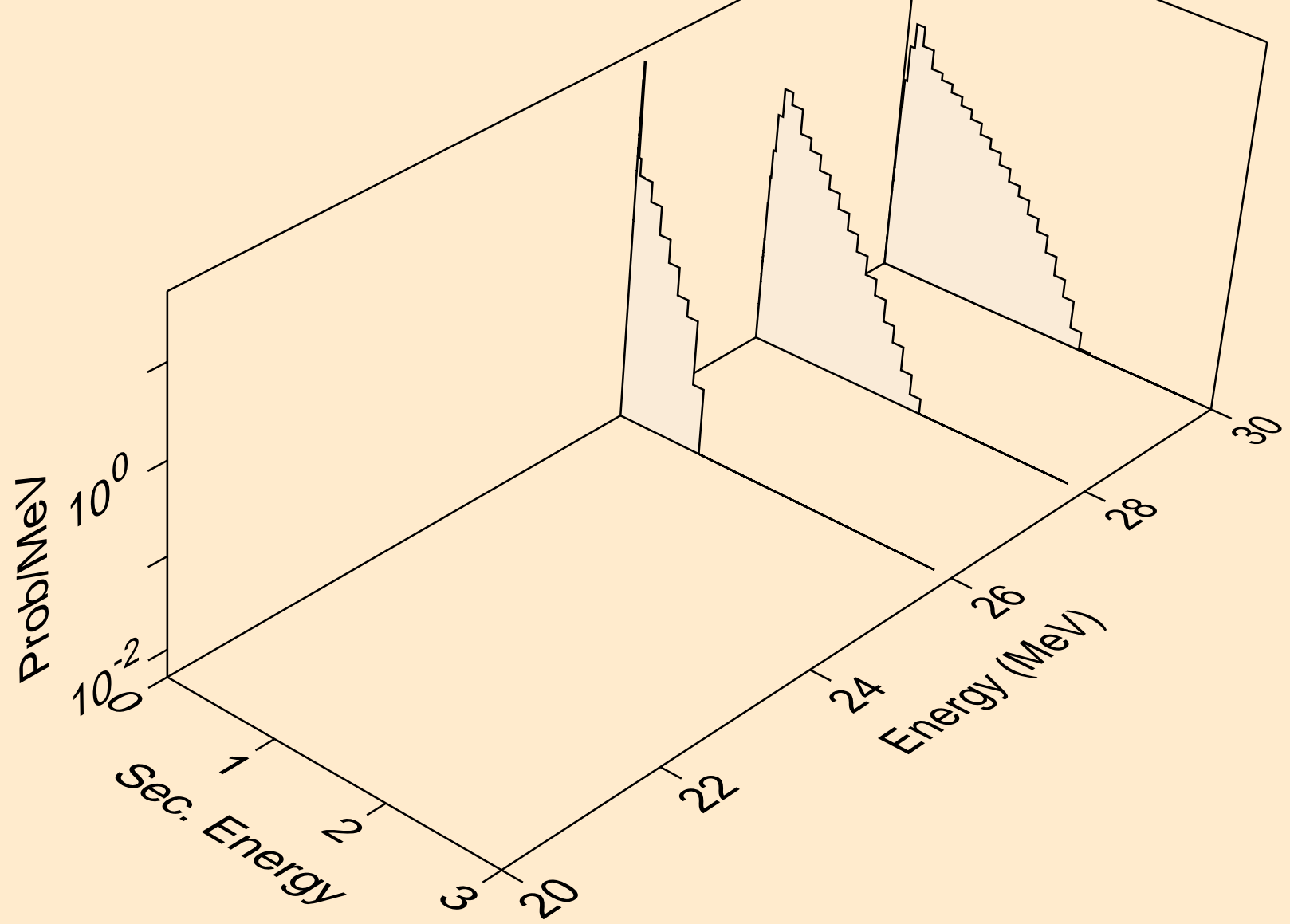
ZN070 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3np)



ZN070 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2np)

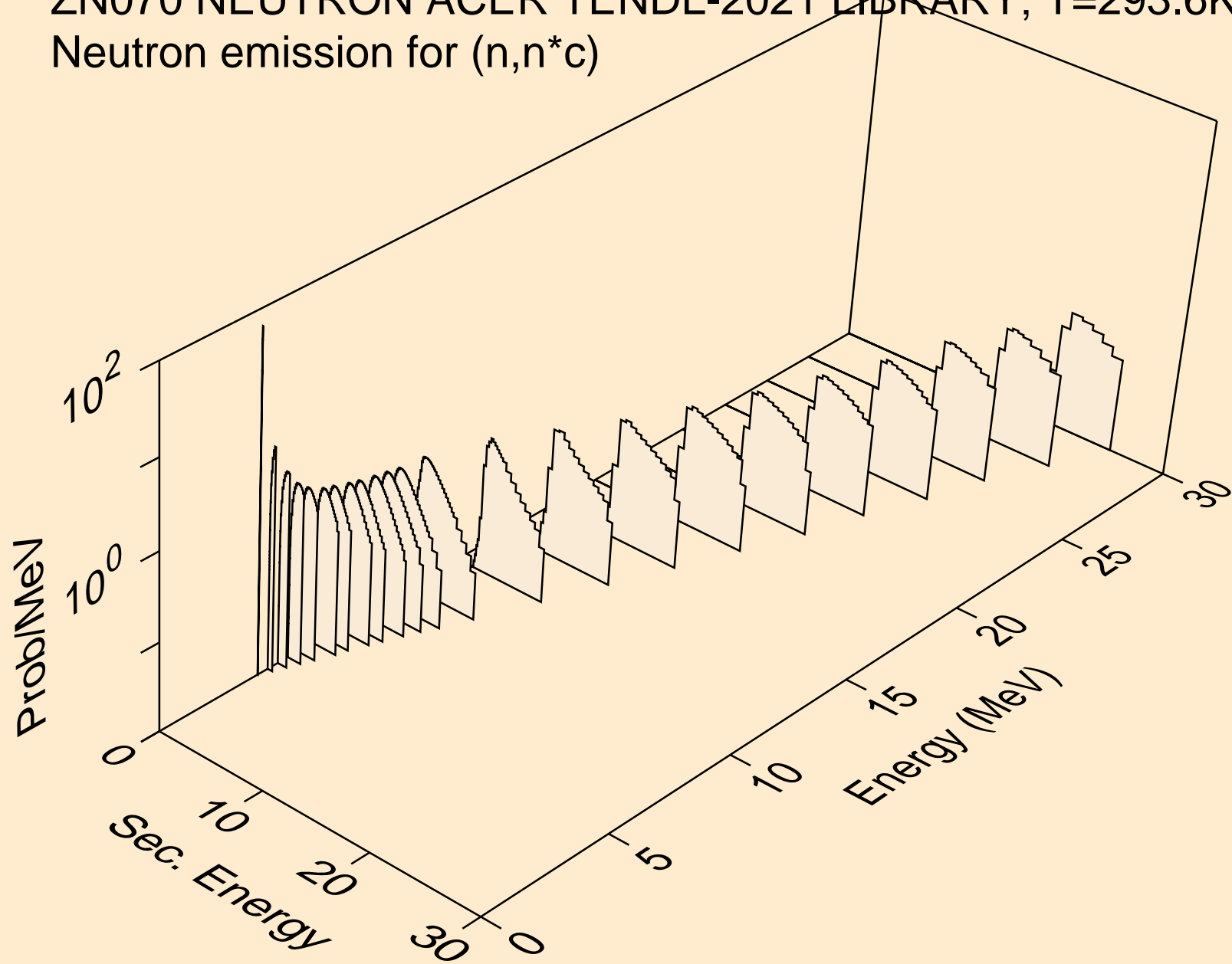


ZN070 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,npa)

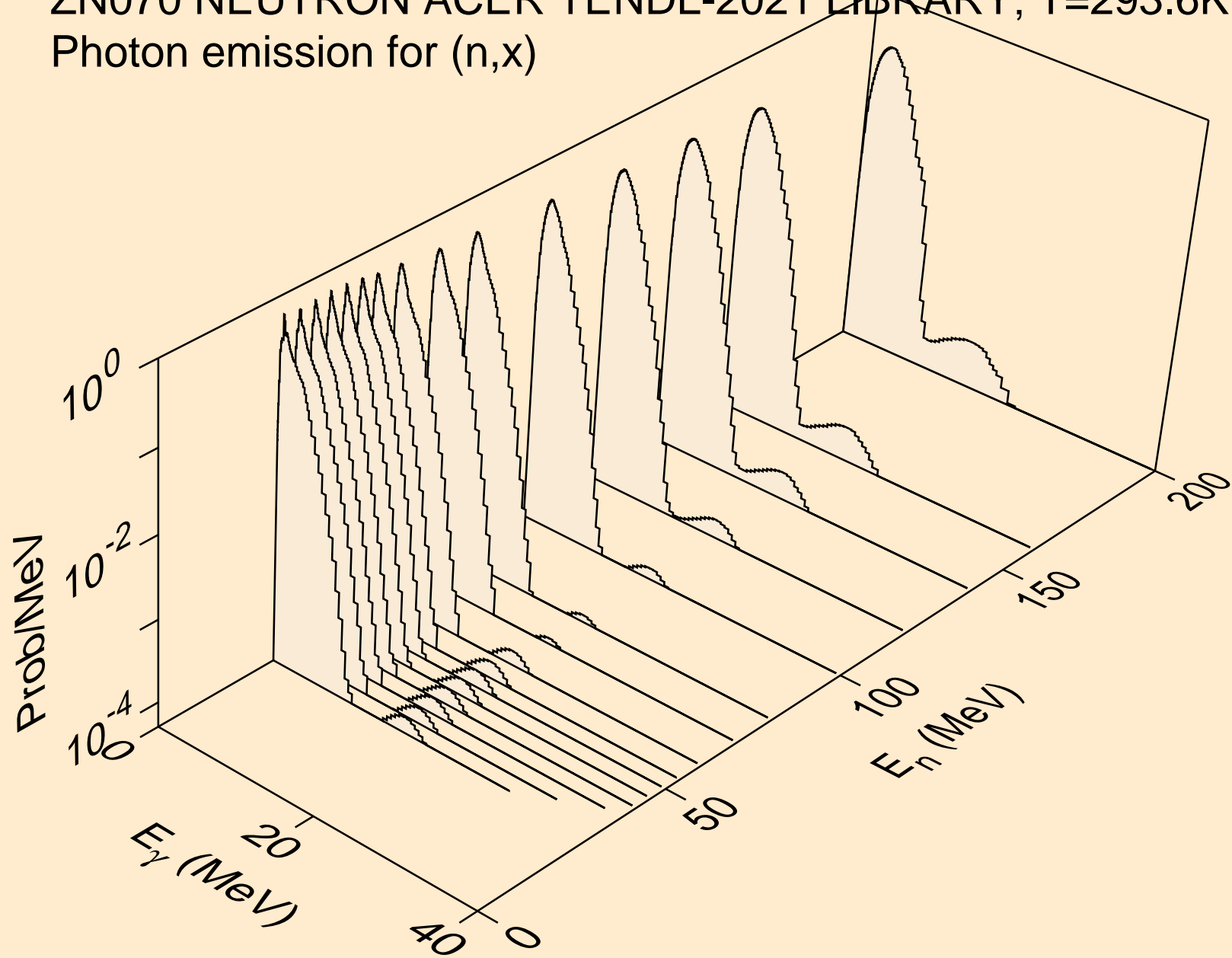




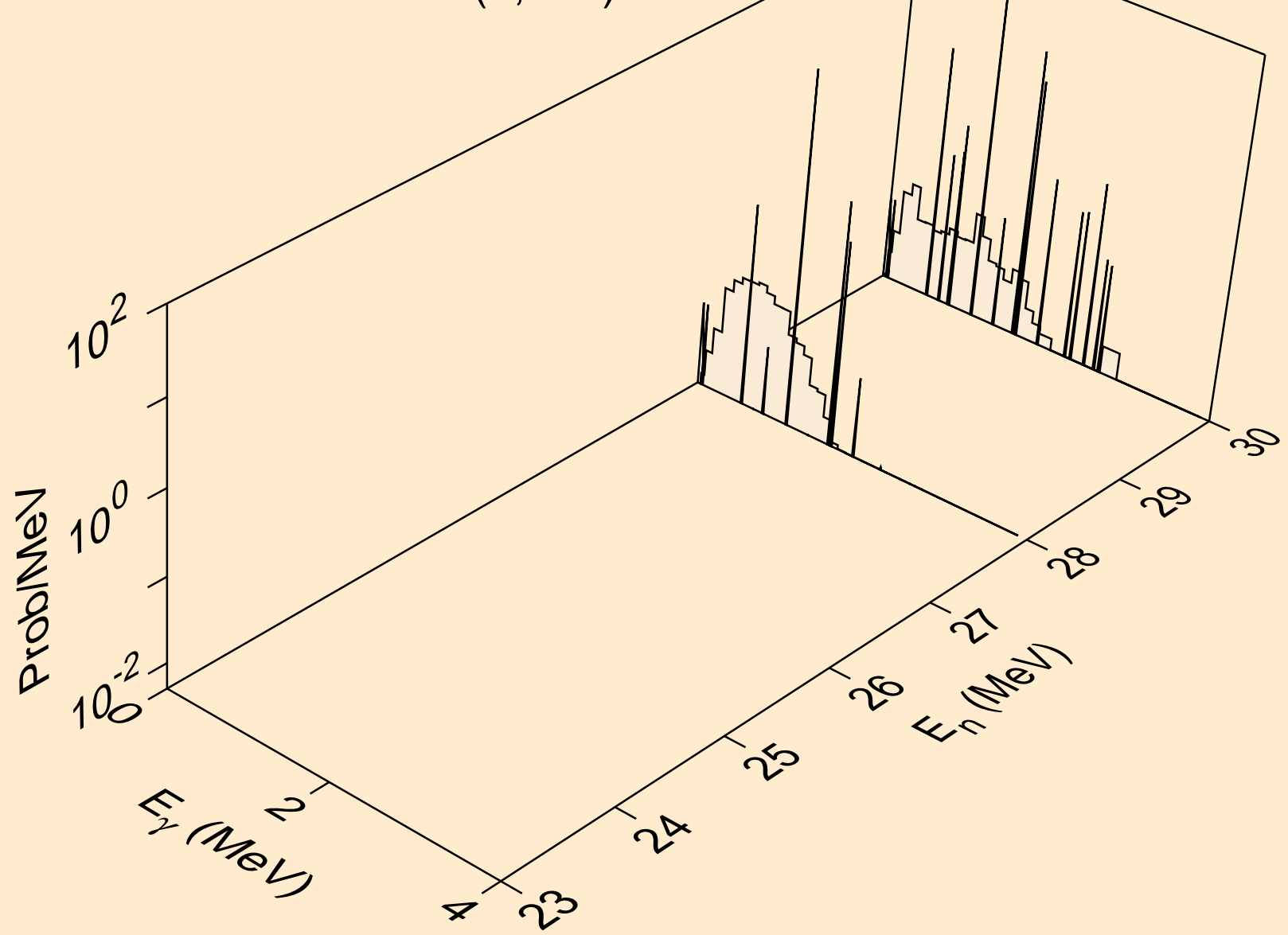
ZN070 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*c)



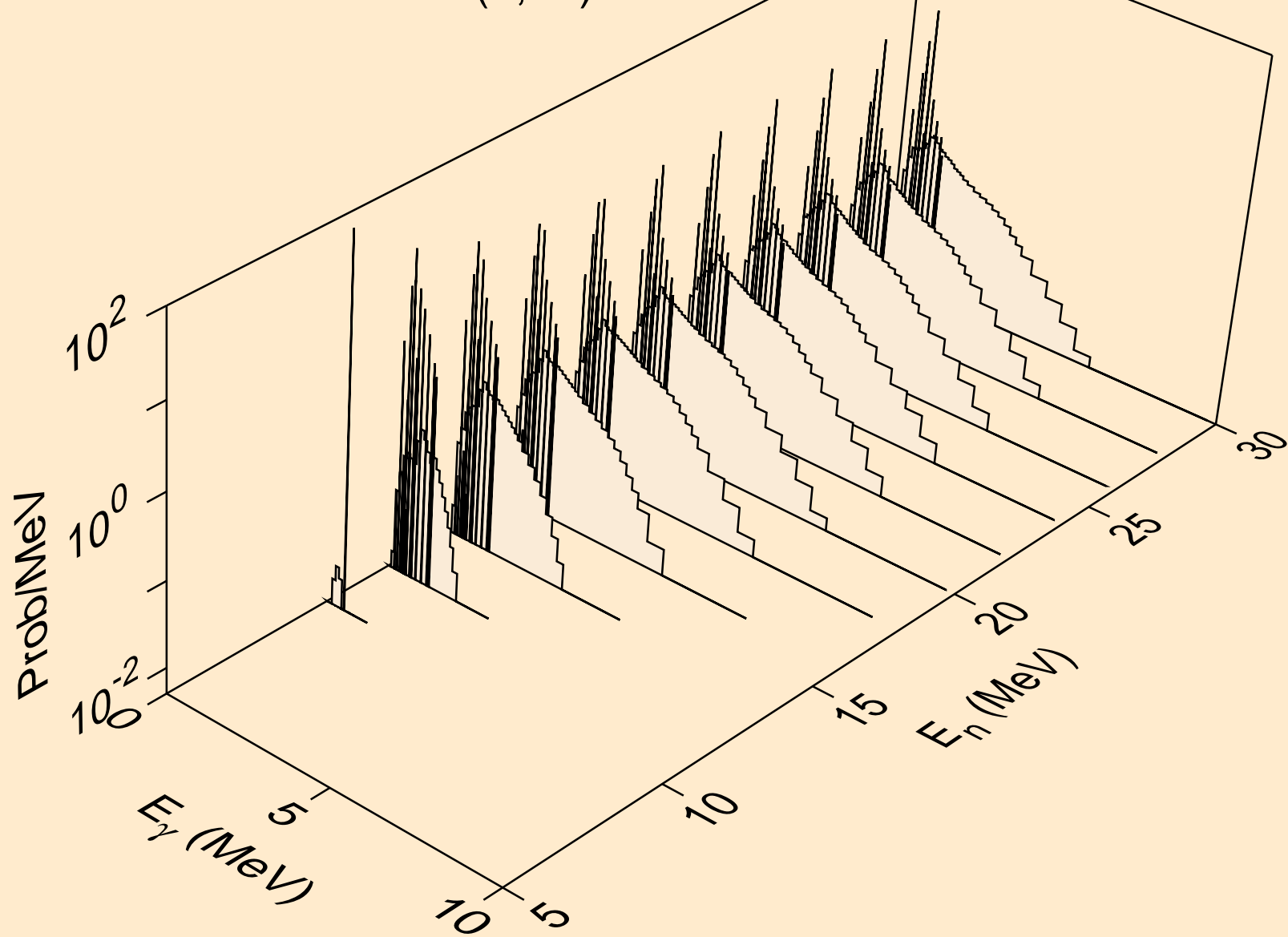
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Photon emission for (n,x)



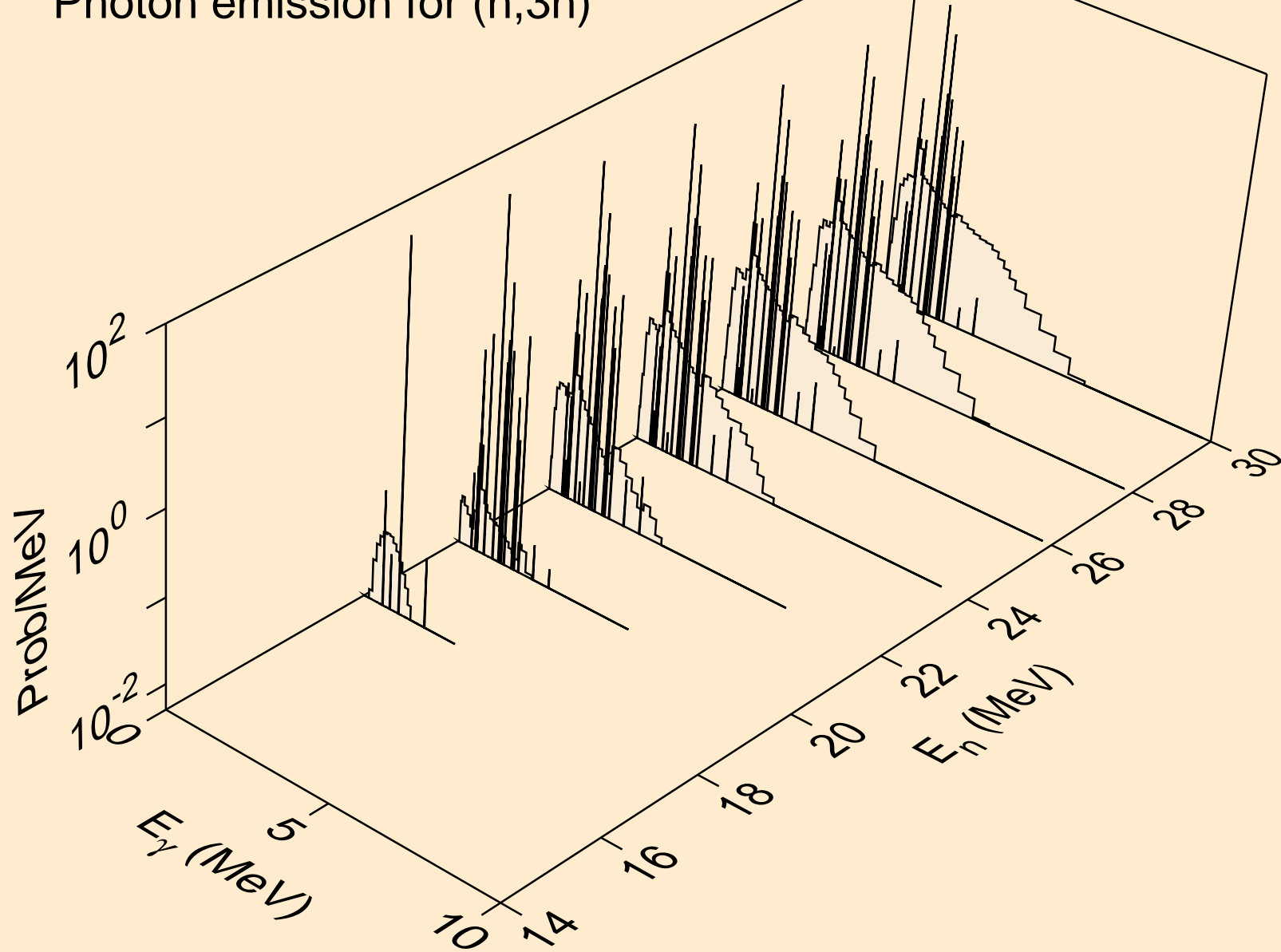
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Photon emission for (n,2nd)



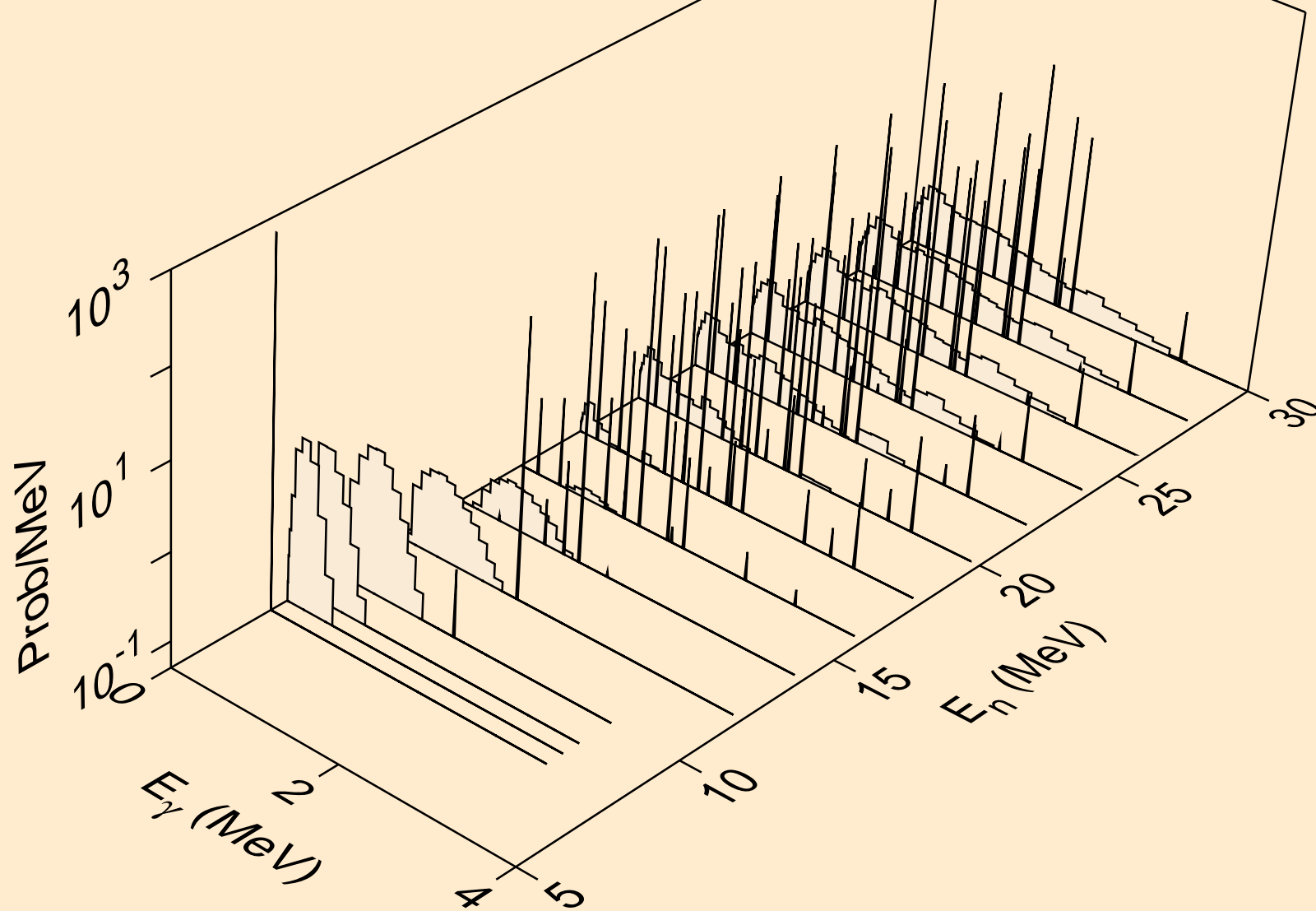
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Photon emission for (n,2n)



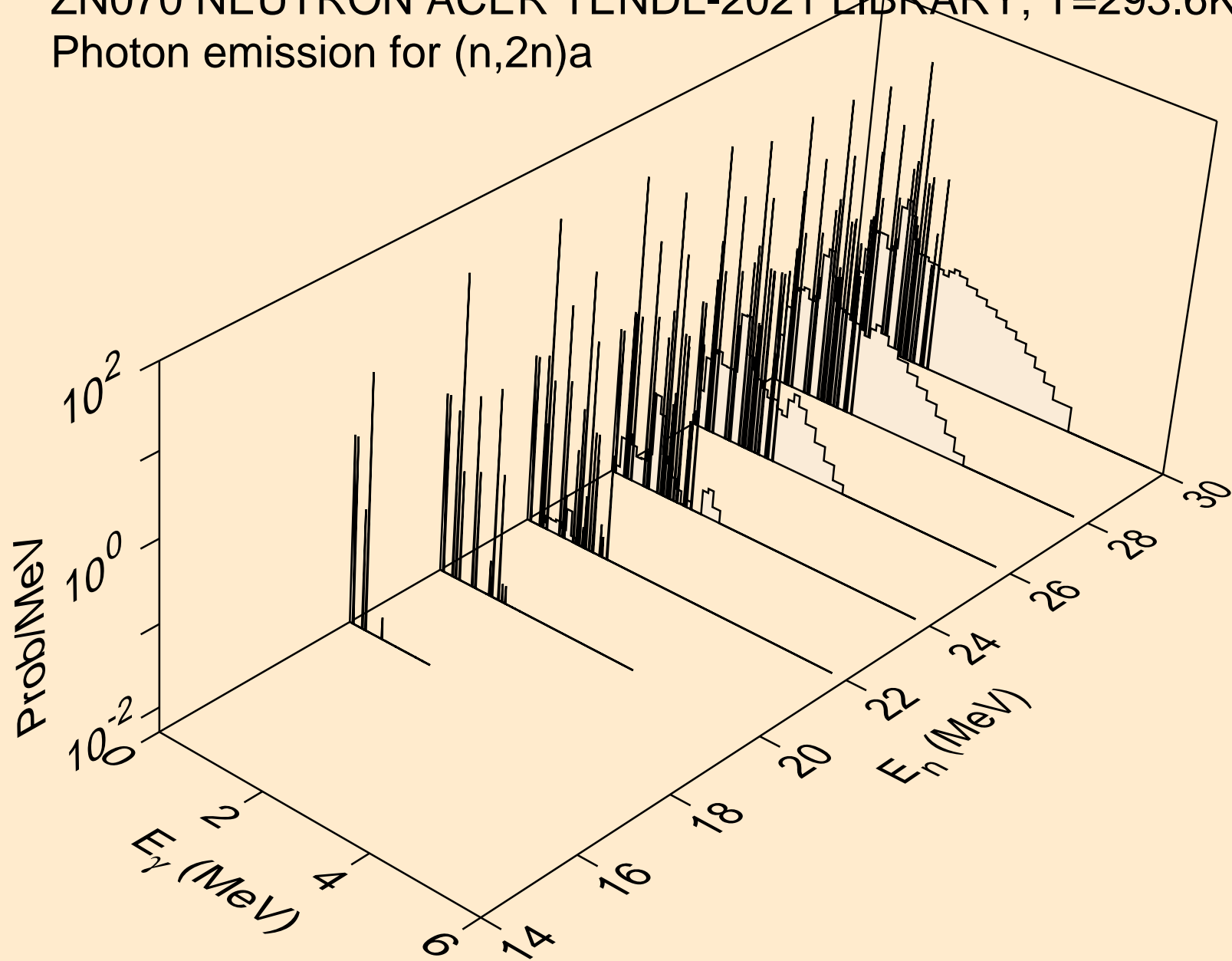
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Photon emission for (n,3n)



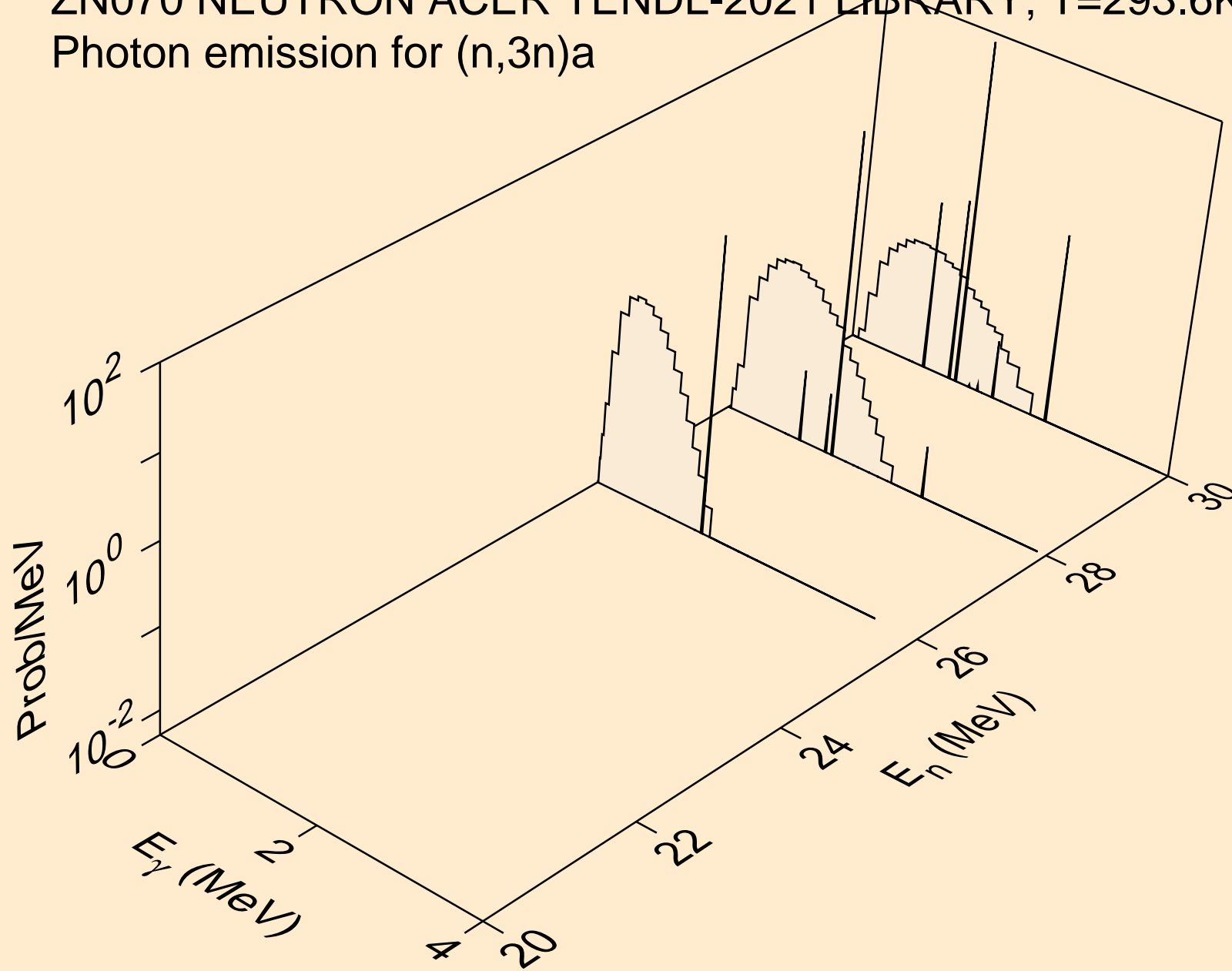
ZN070 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)a



ZN070 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2n)a

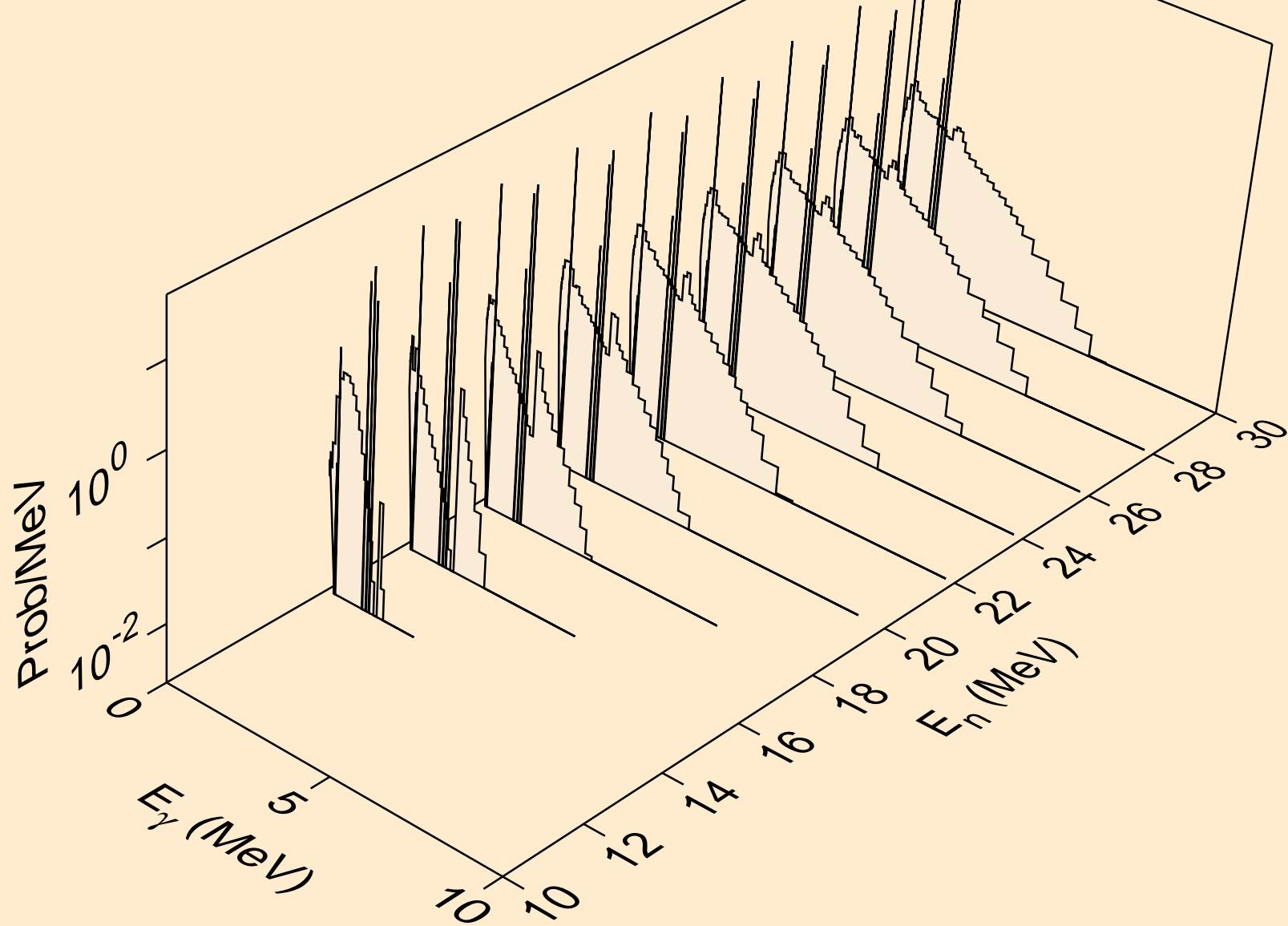


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Photon emission for (n,3n)a

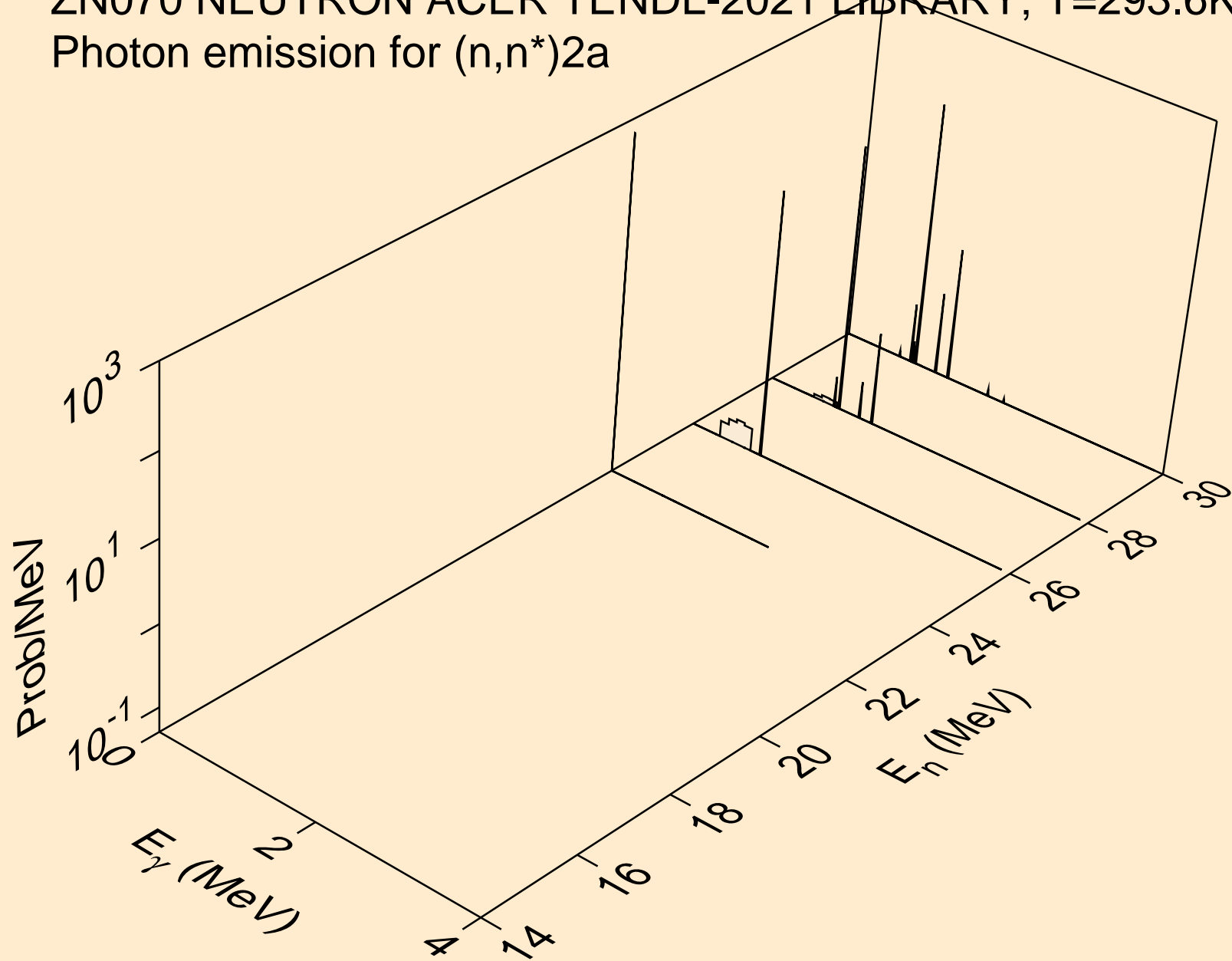




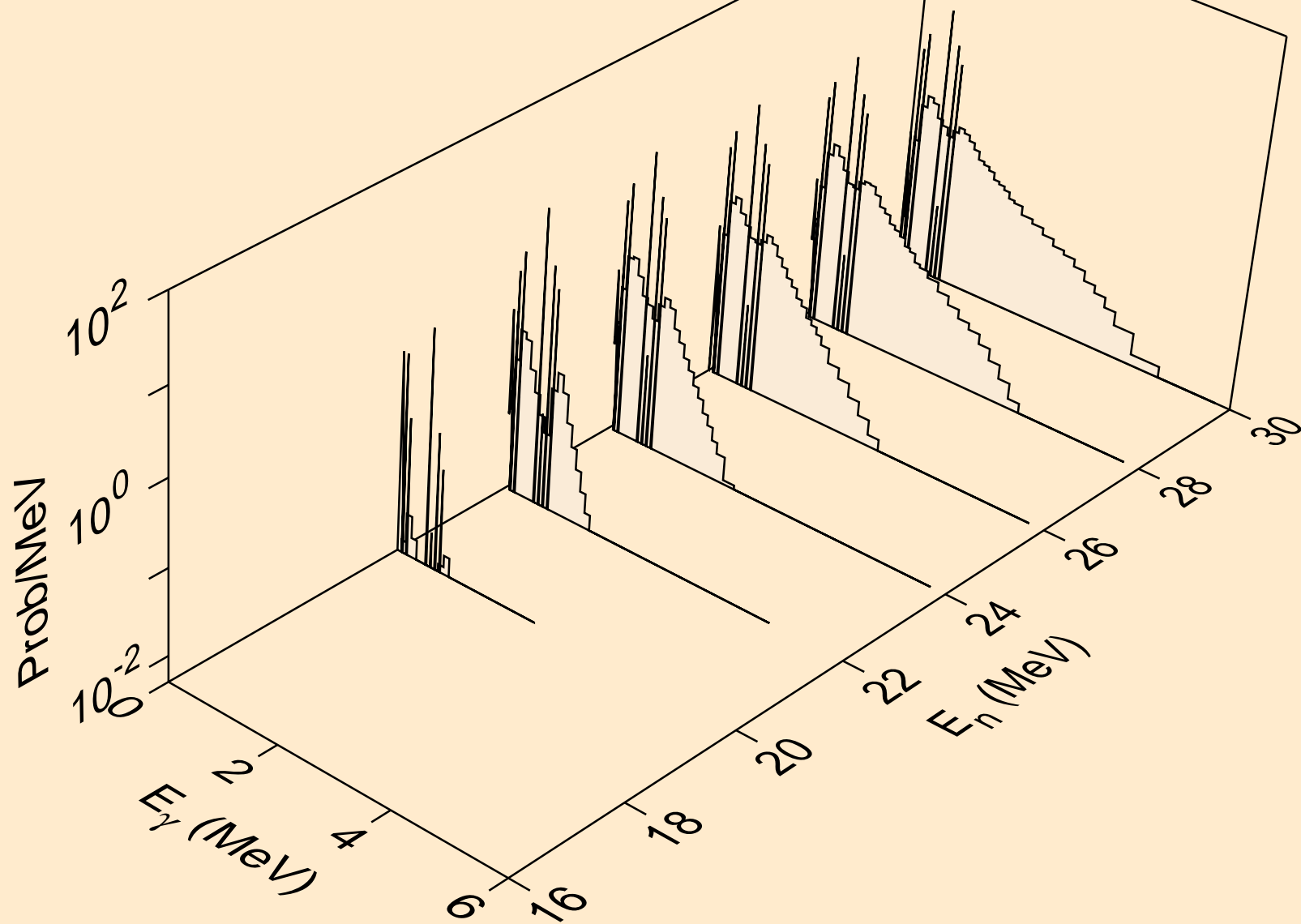
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Photon emission for (n,n\*)p



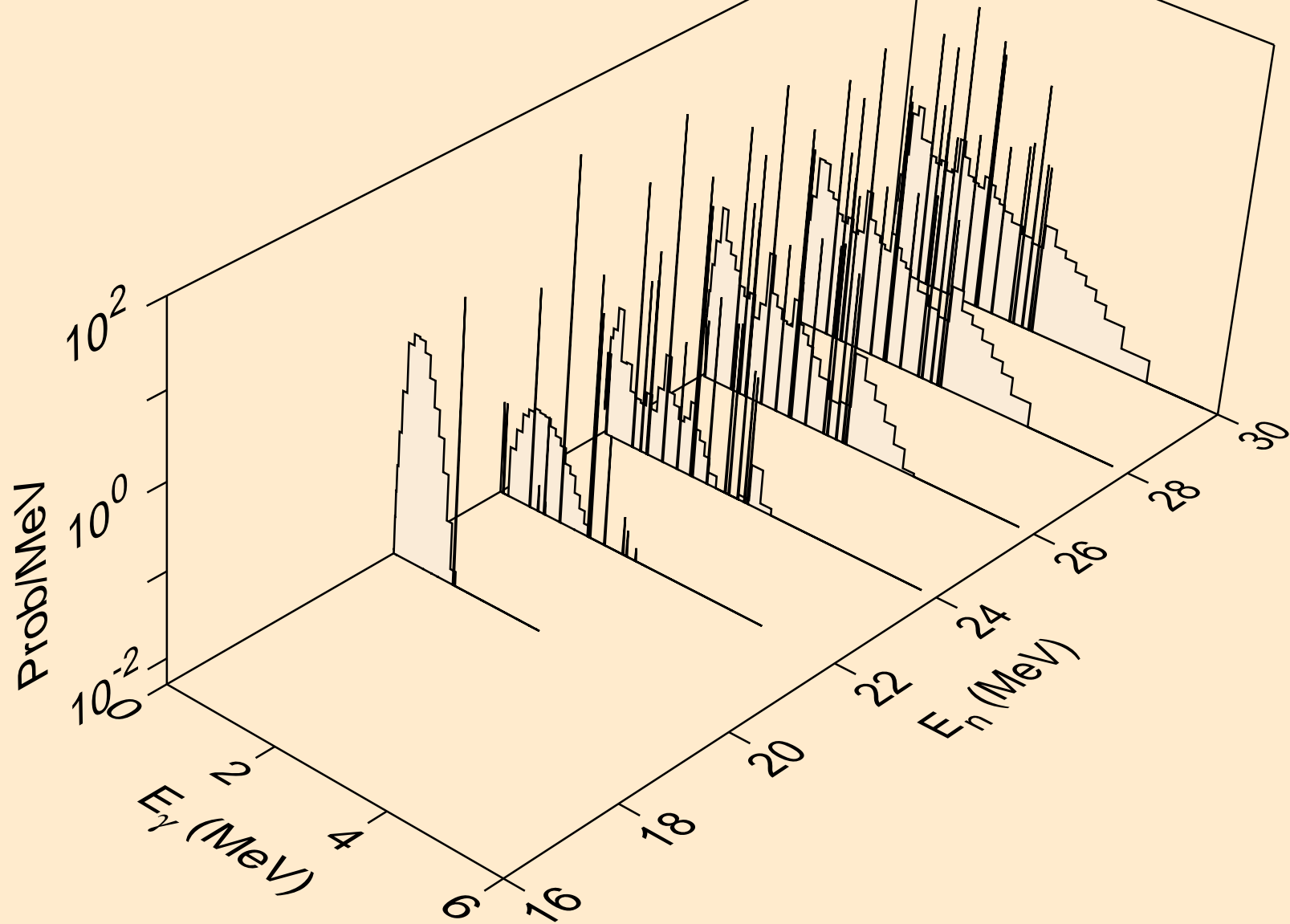
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Photon emission for (n,n\*)2a



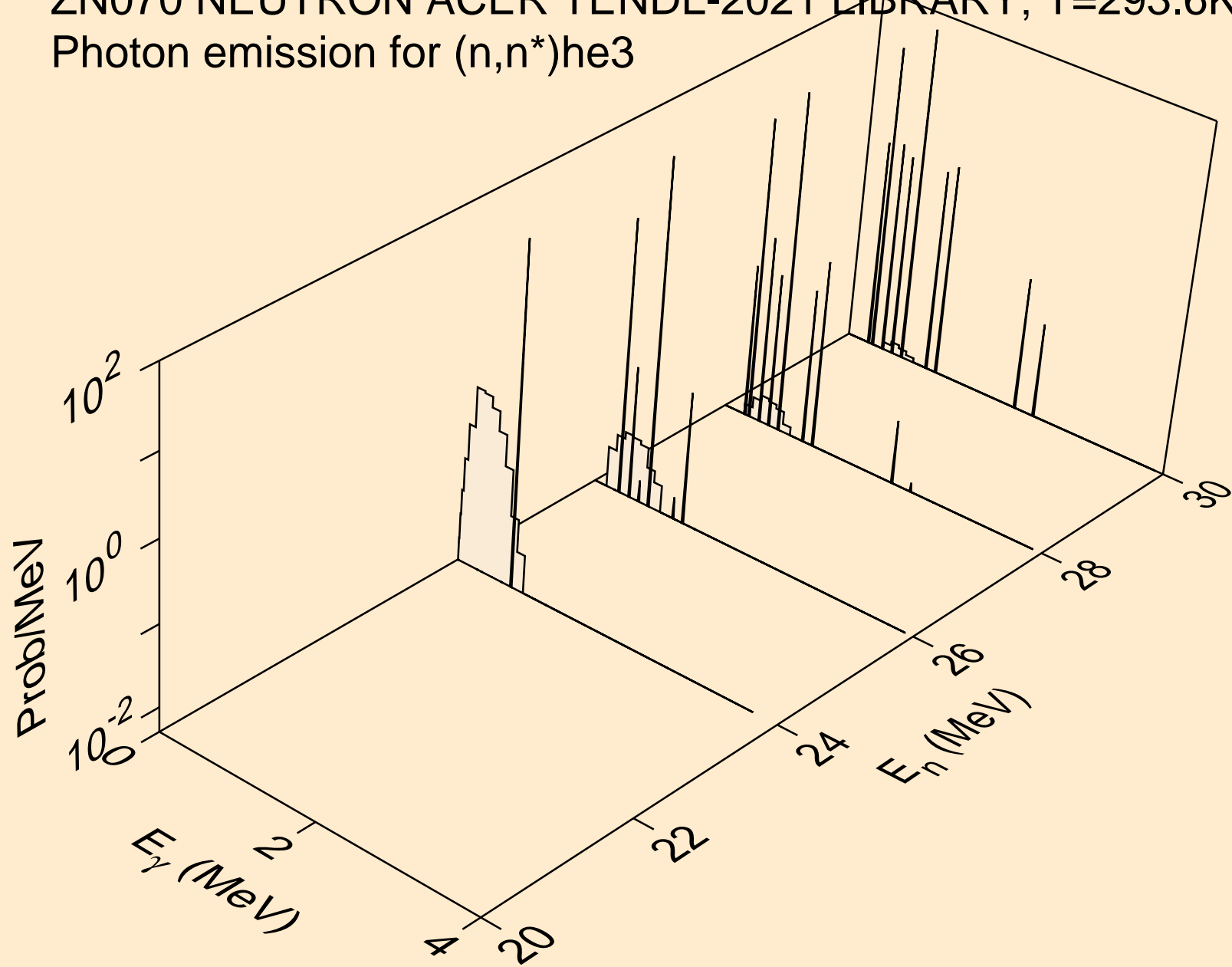
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Photon emission for (n,n\*)d



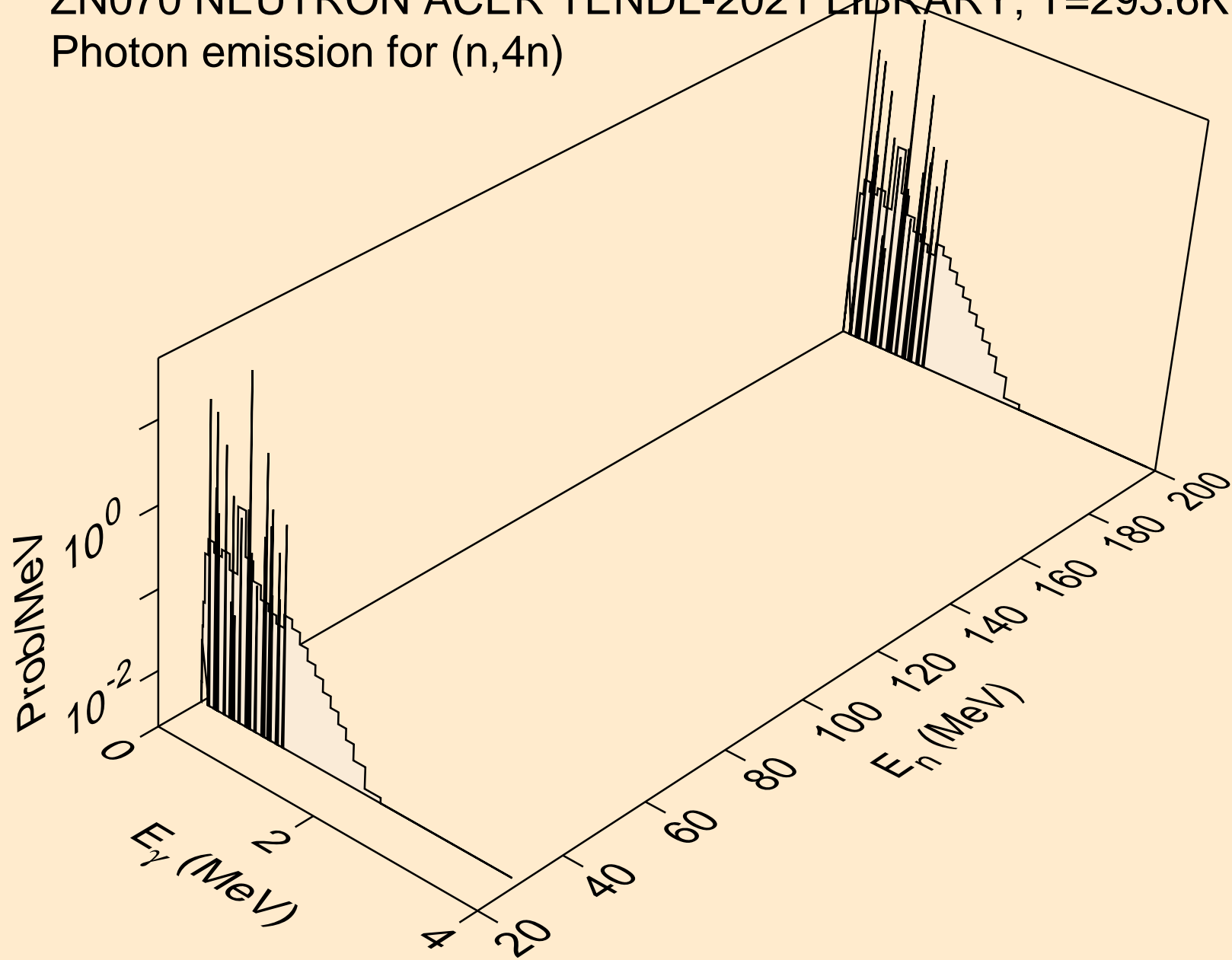
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Photon emission for (n,n\*)t



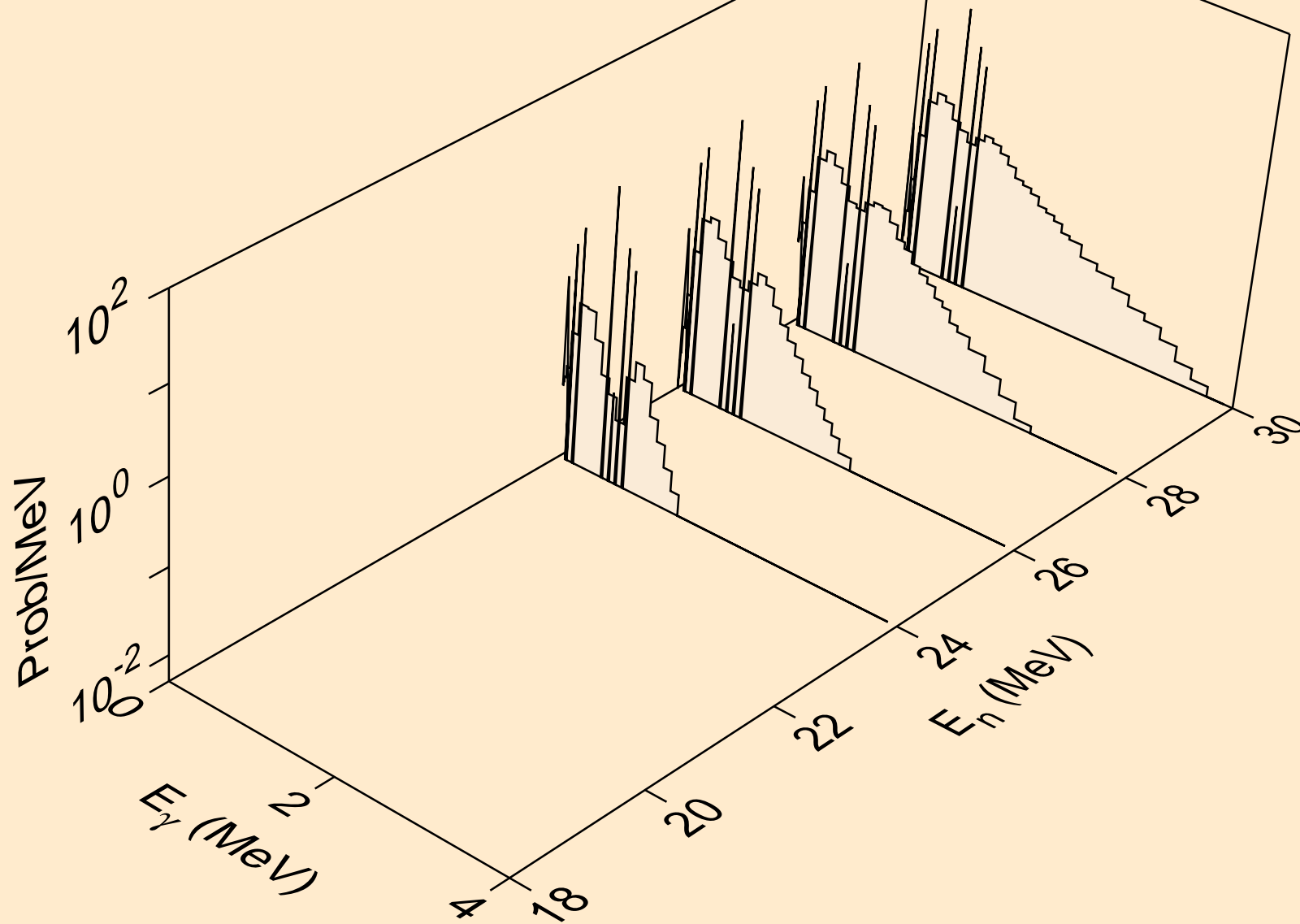
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Photon emission for (n,n\*)he3



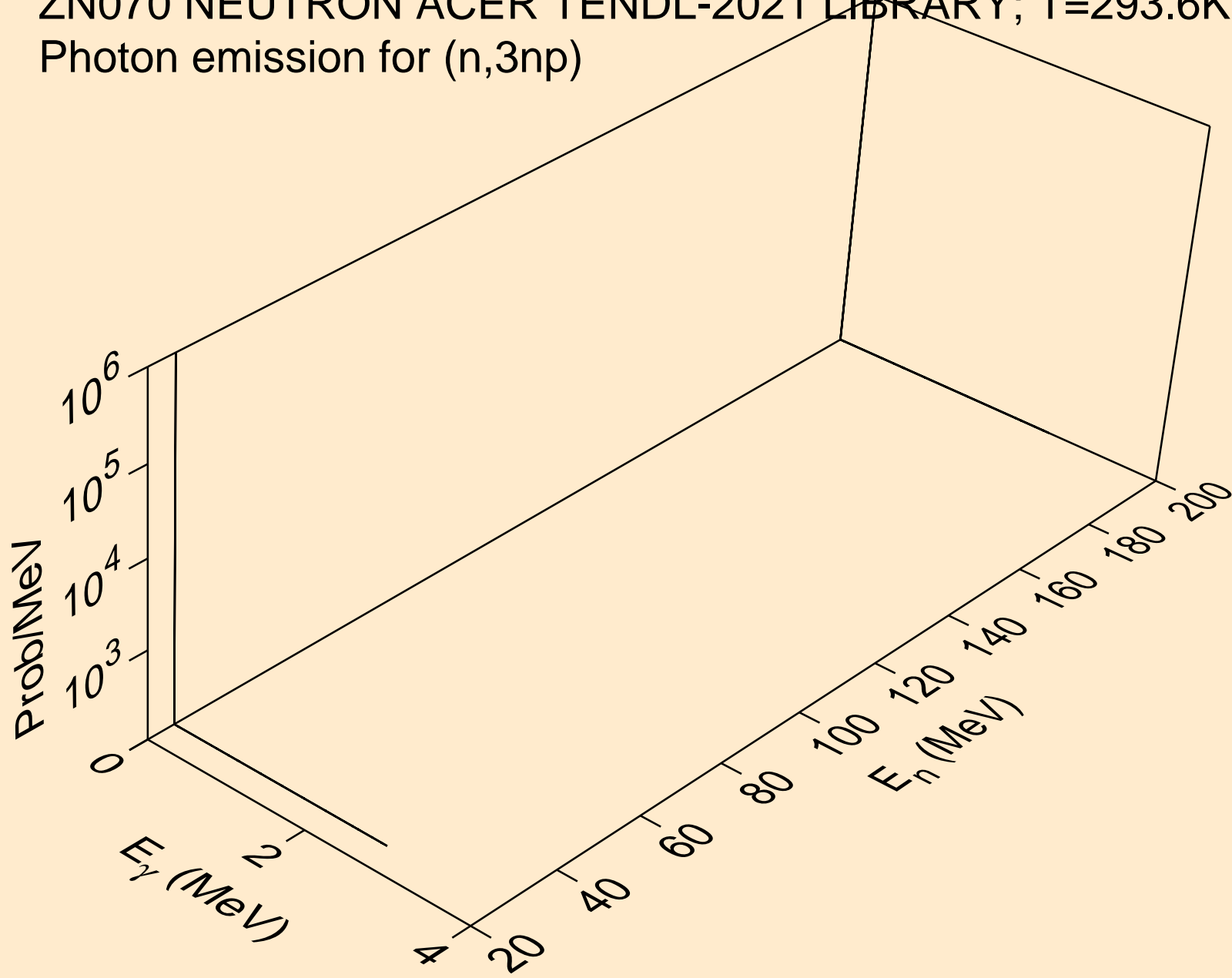
ZN070 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,4n)



ZN070 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2np)

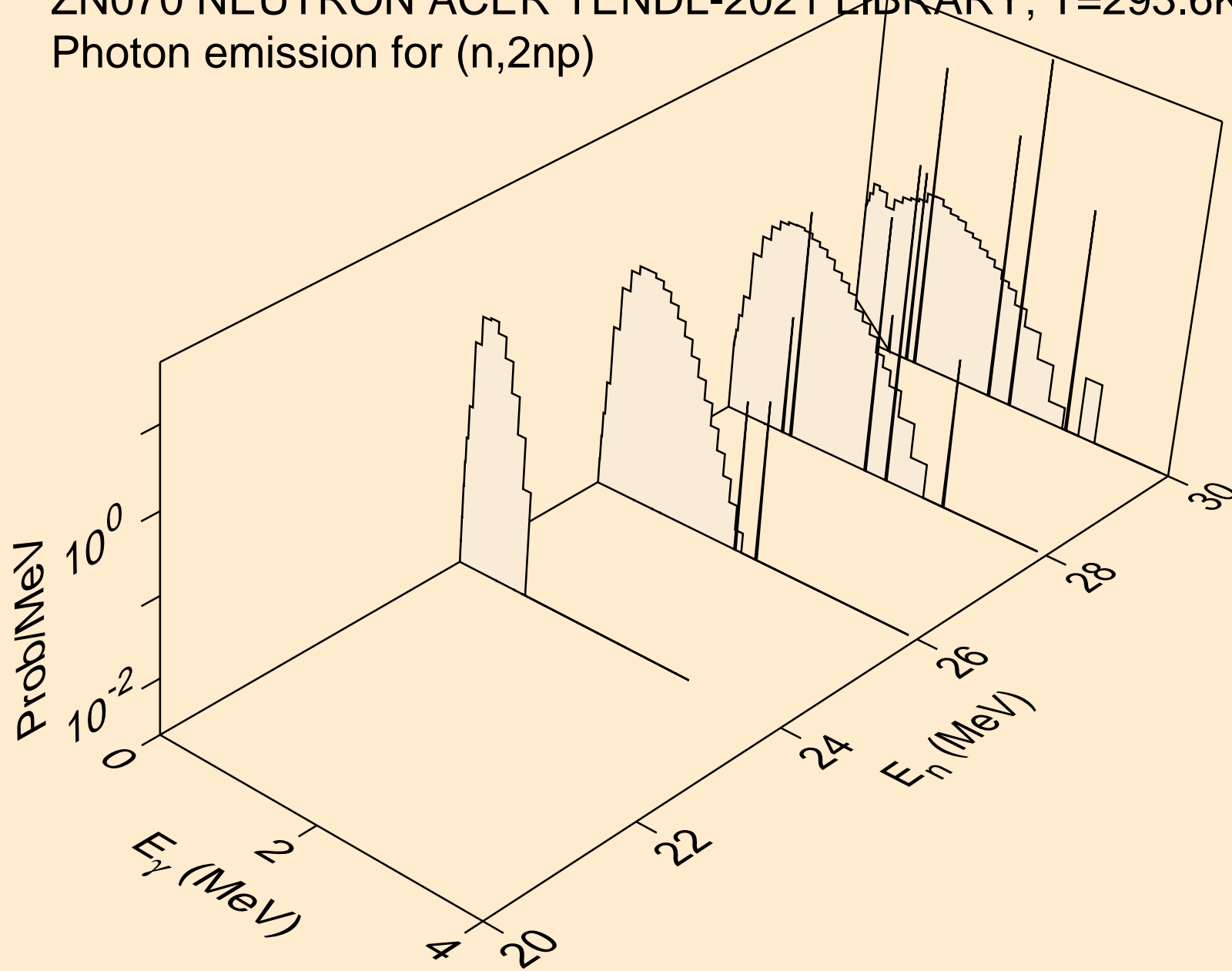


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Photon emission for (n,3np)

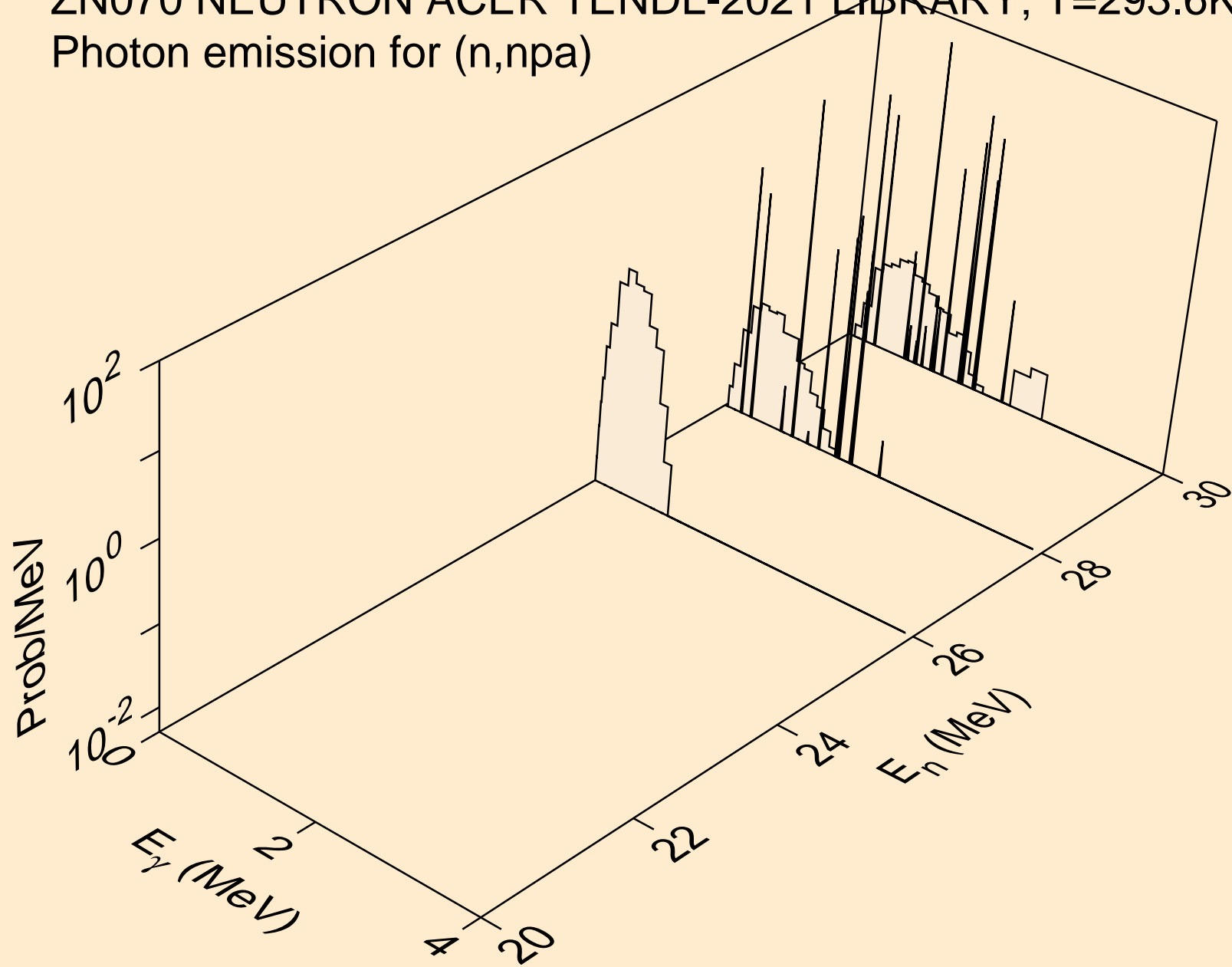




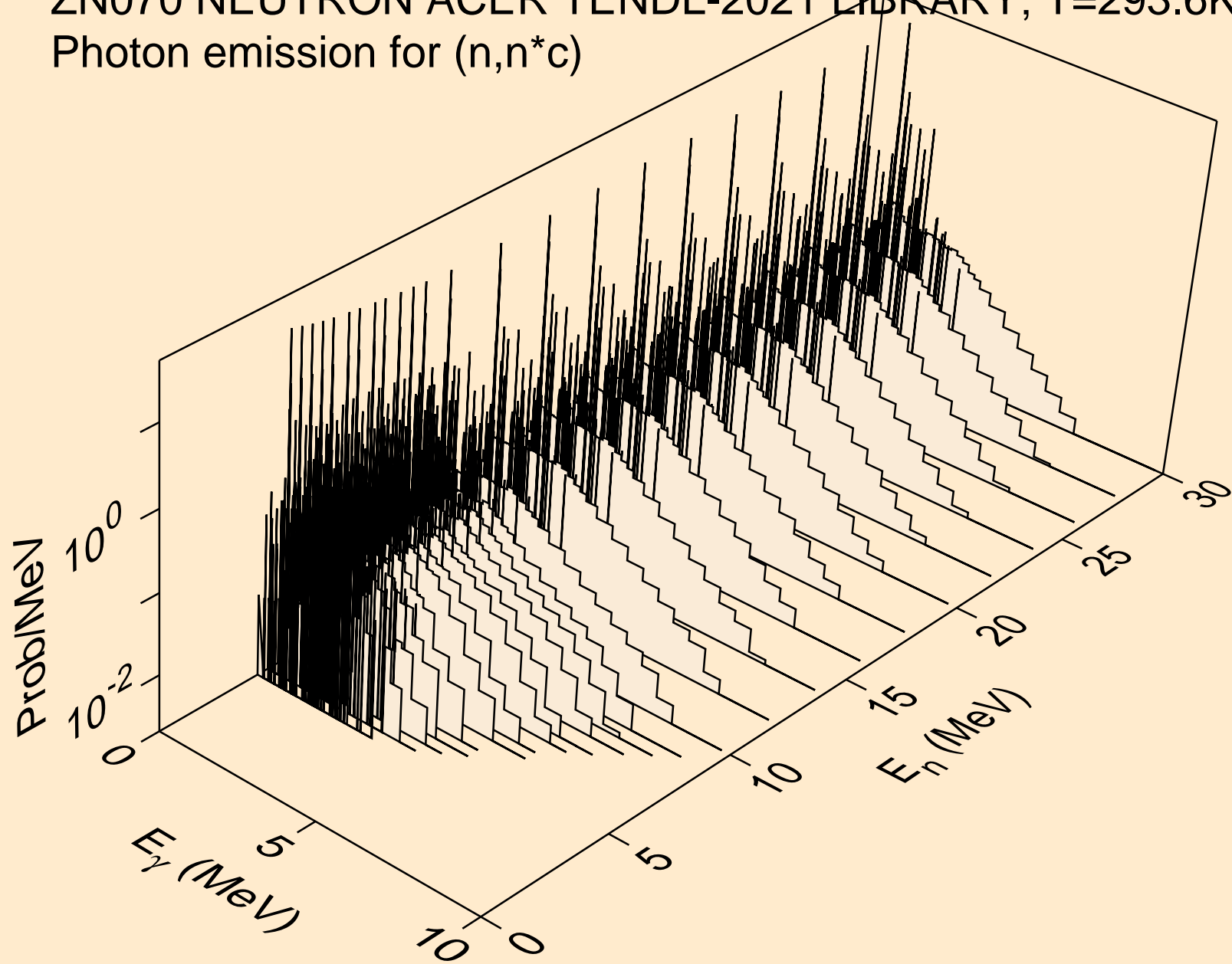
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Photon emission for (n,2np)



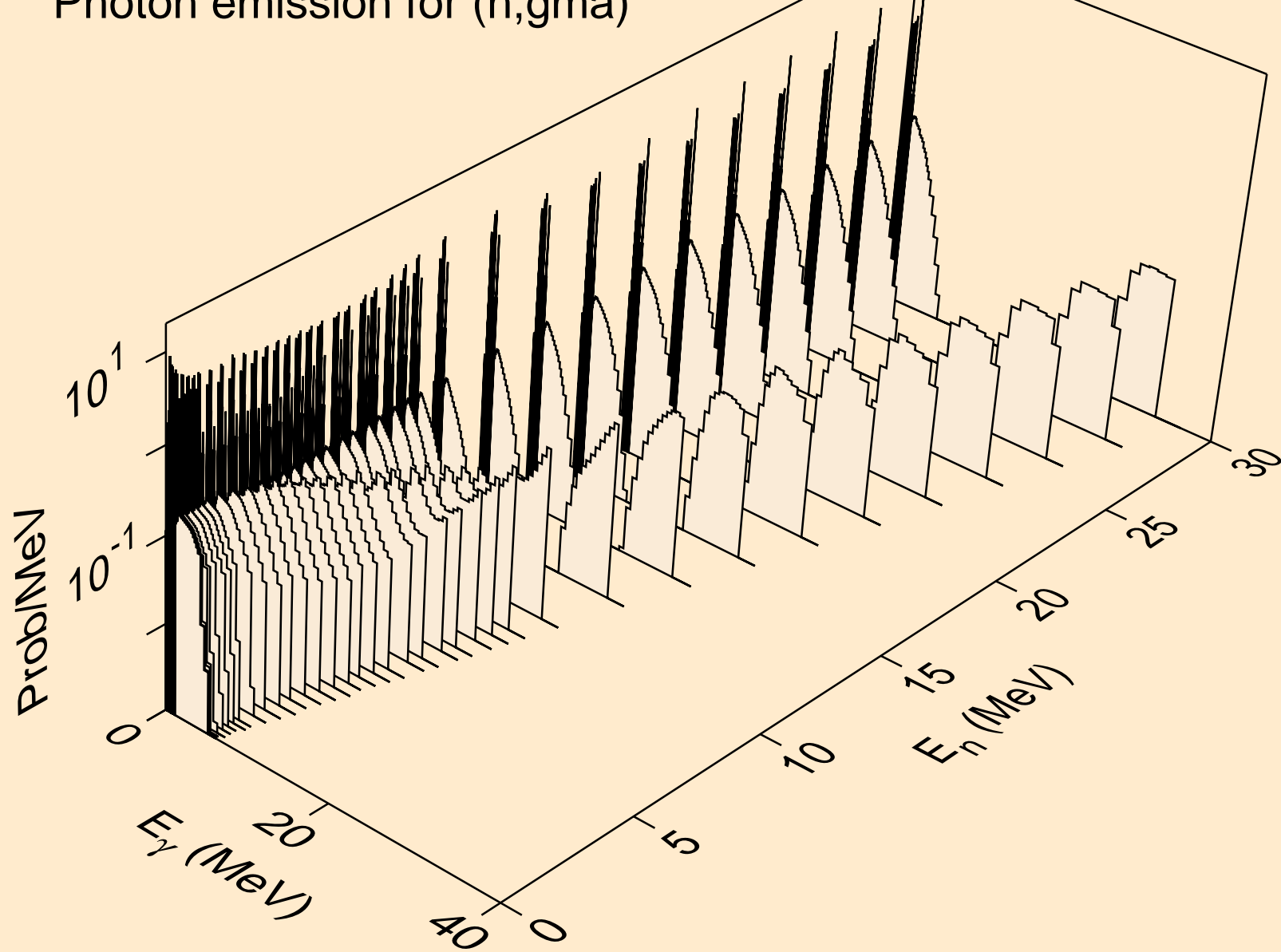
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Photon emission for (n,npa)



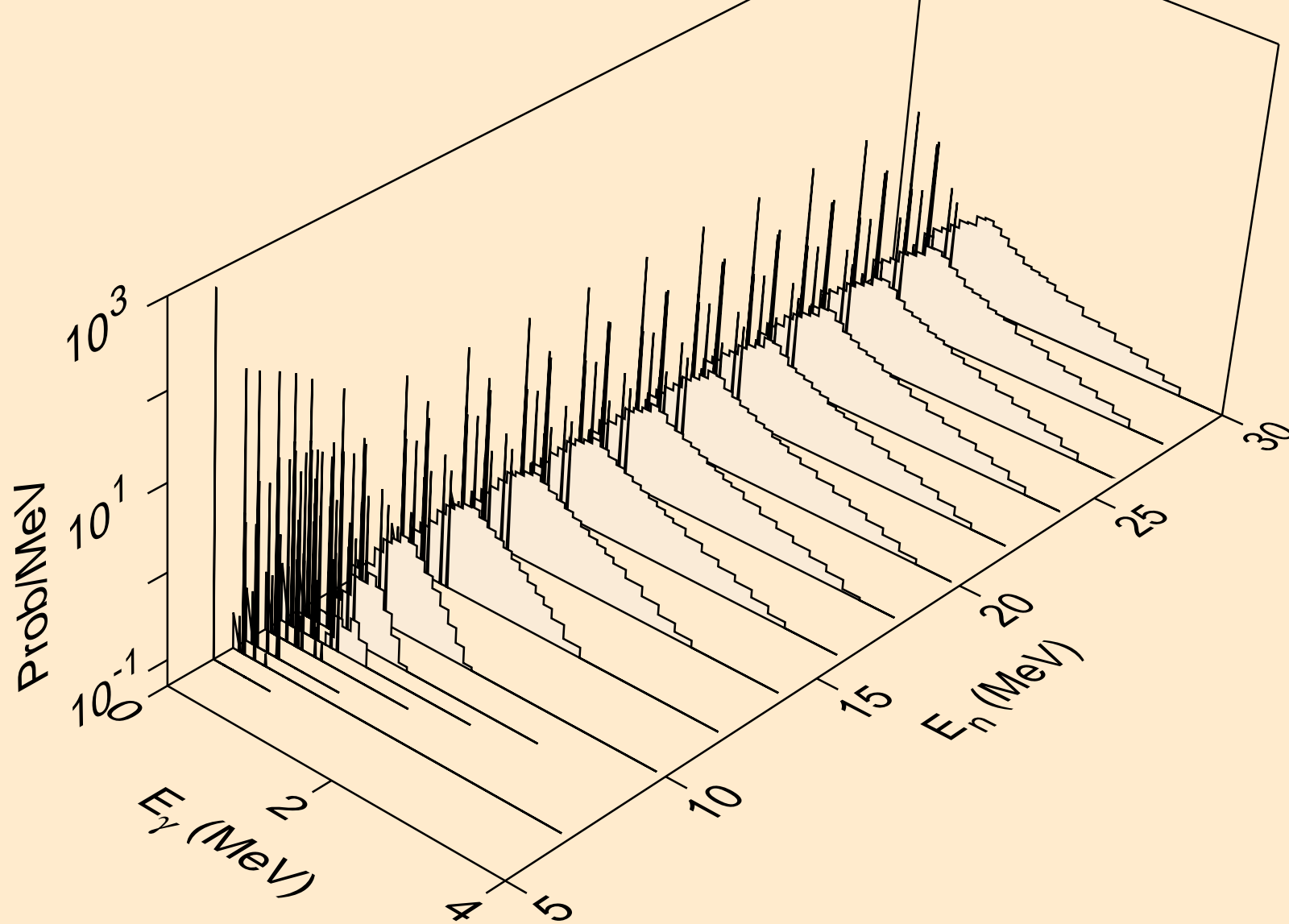
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Photon emission for (n,n\*c)



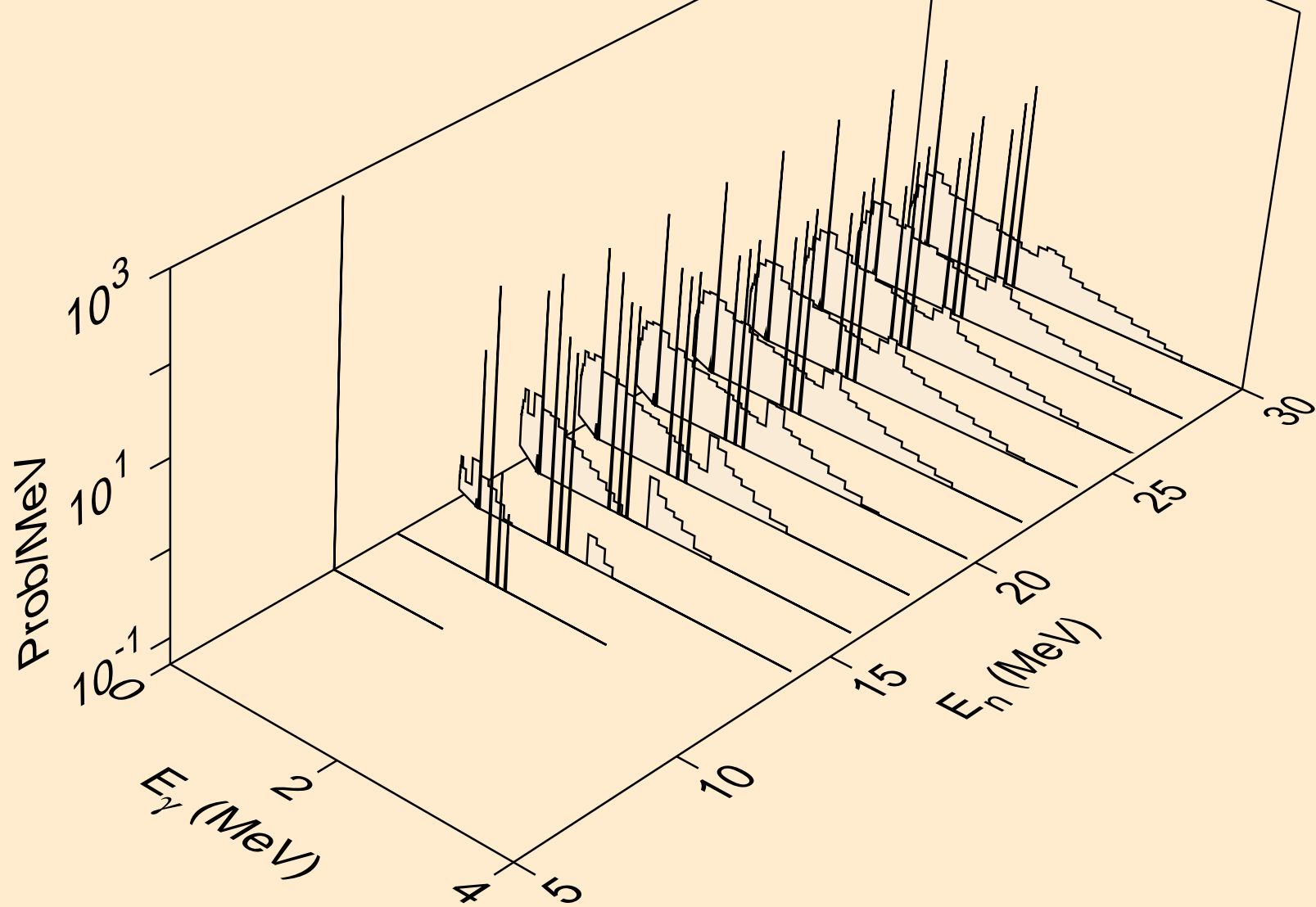
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Photon emission for (n,gma)



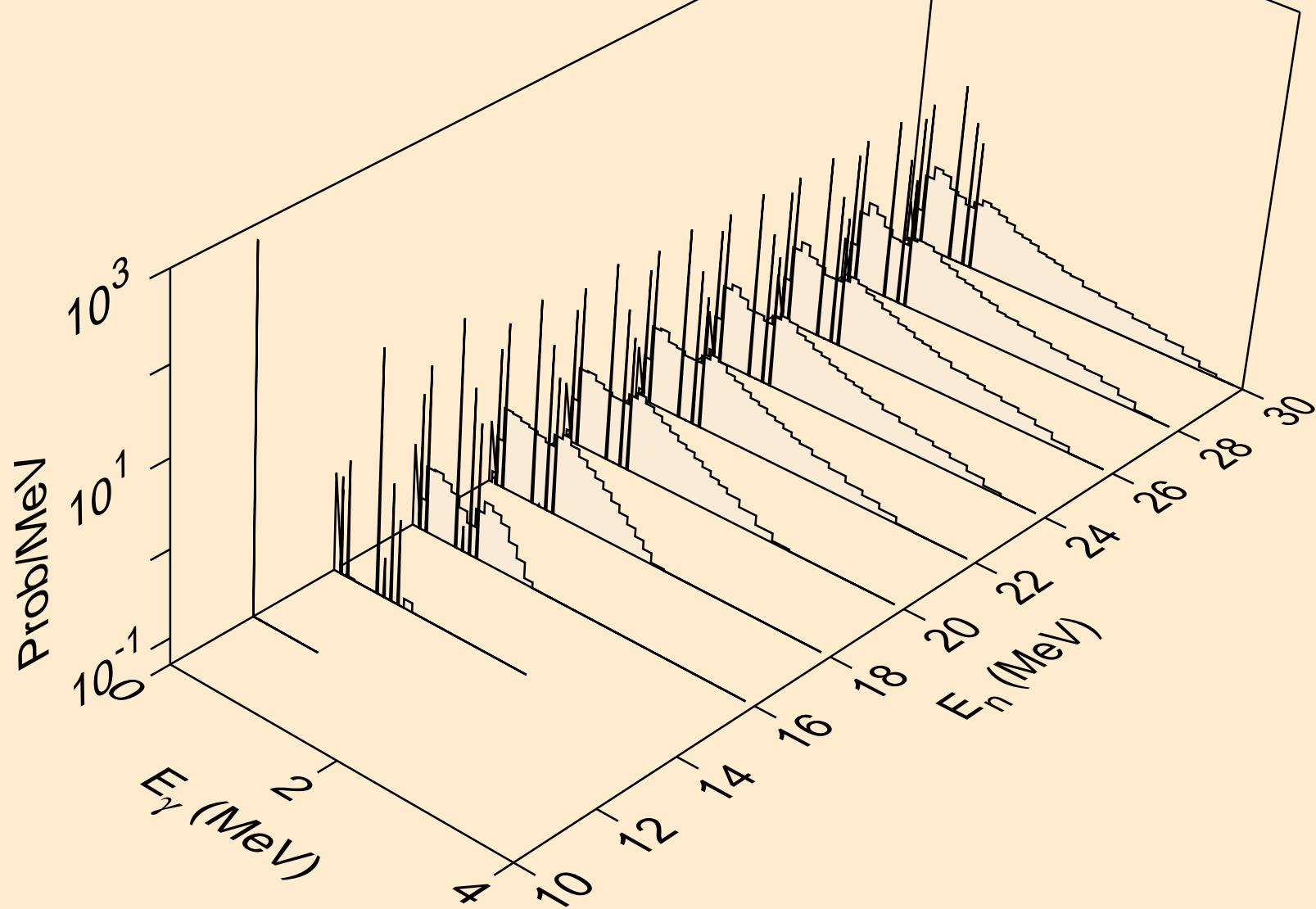
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Photon emission for (n,p)



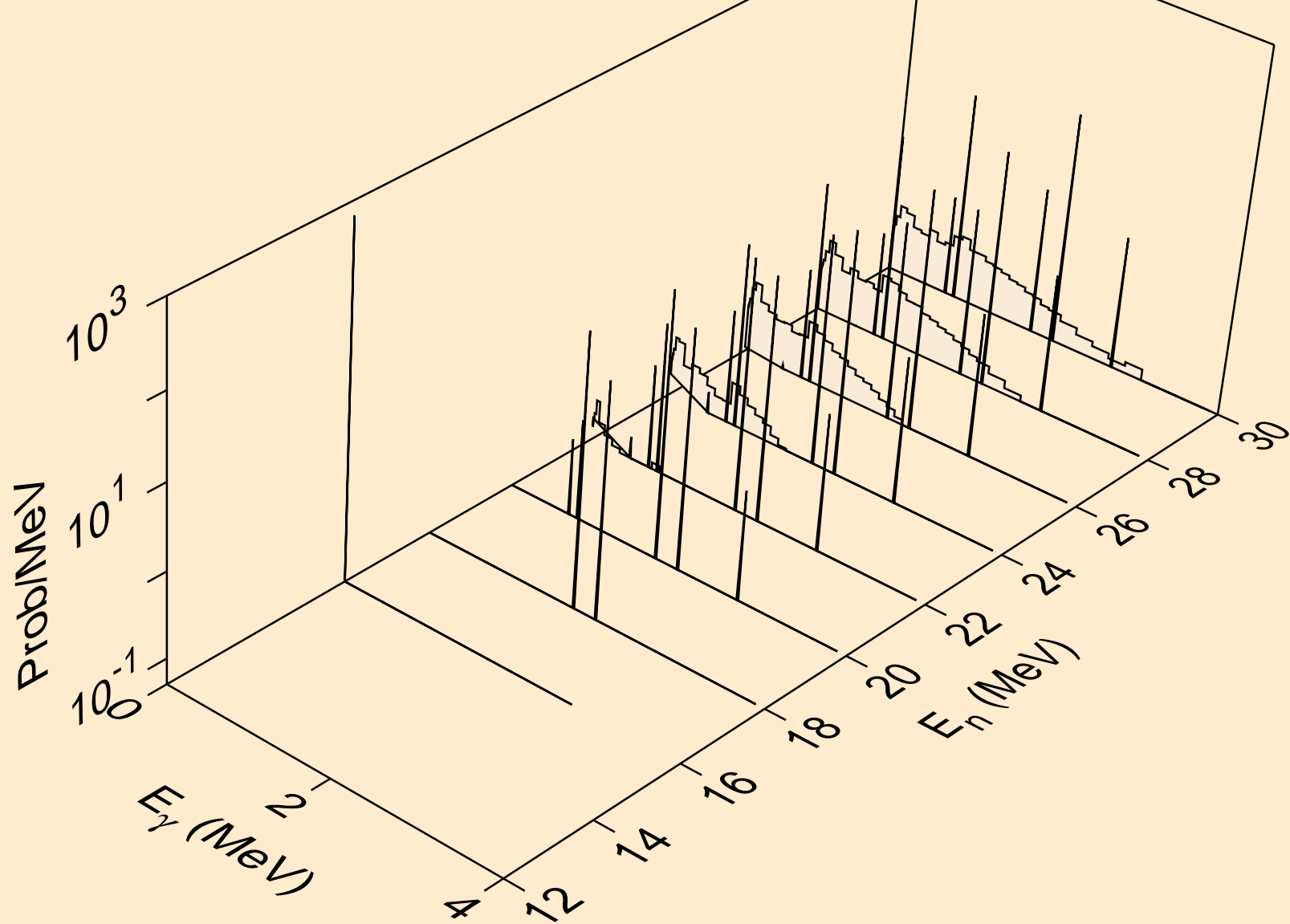
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Photon emission for (n,d)



ZN070 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,t)

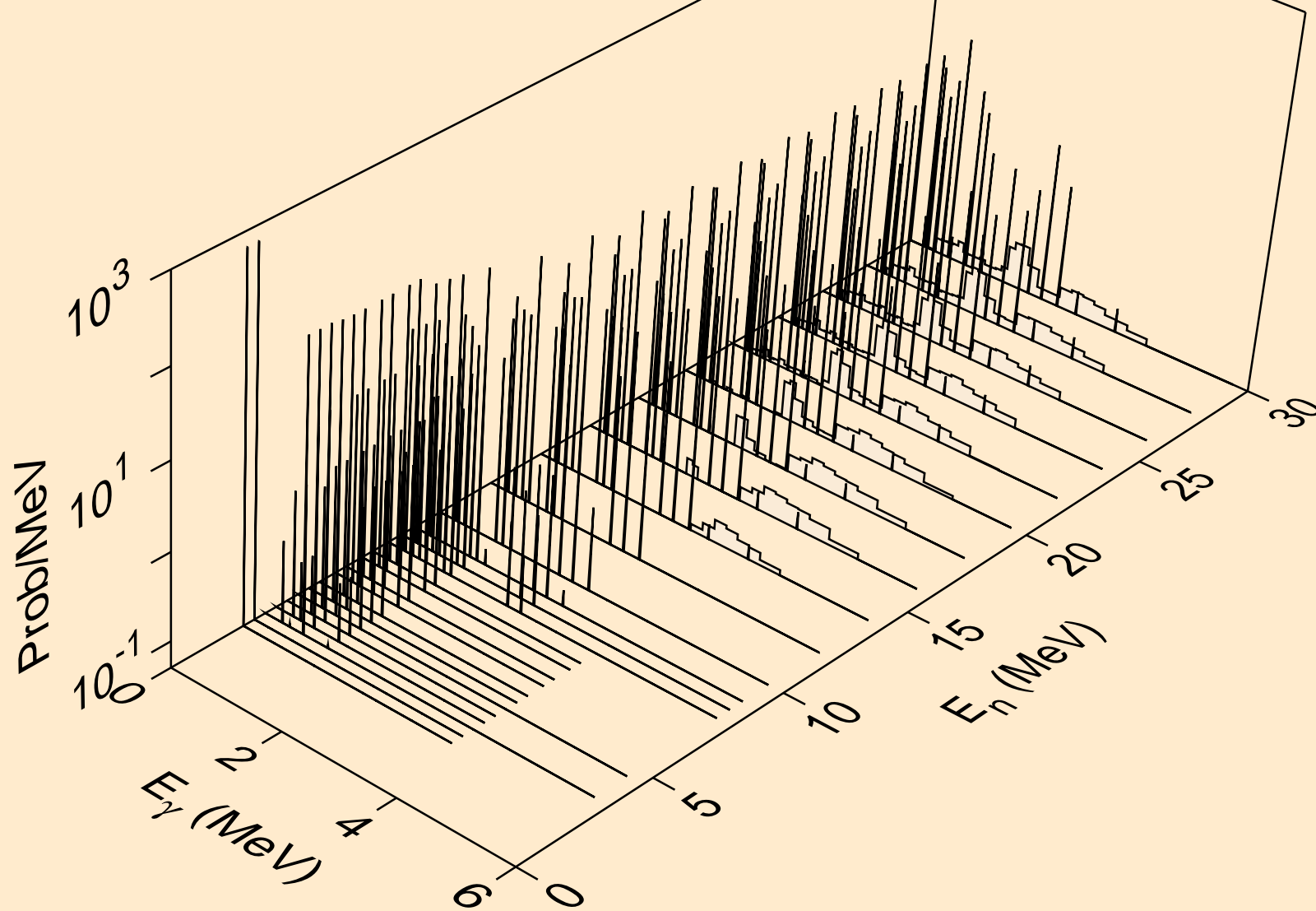


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Photon emission for (n,he3)

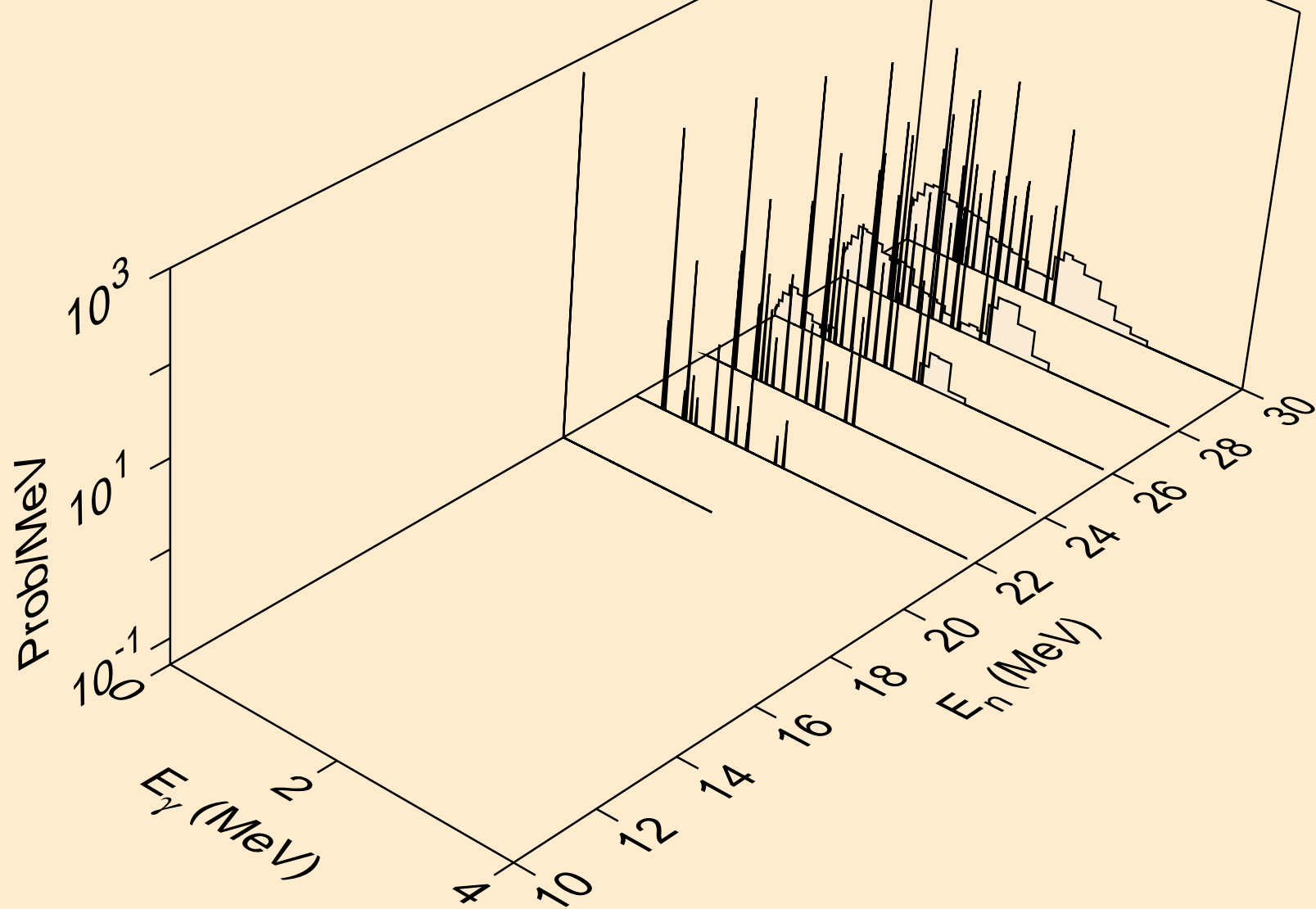




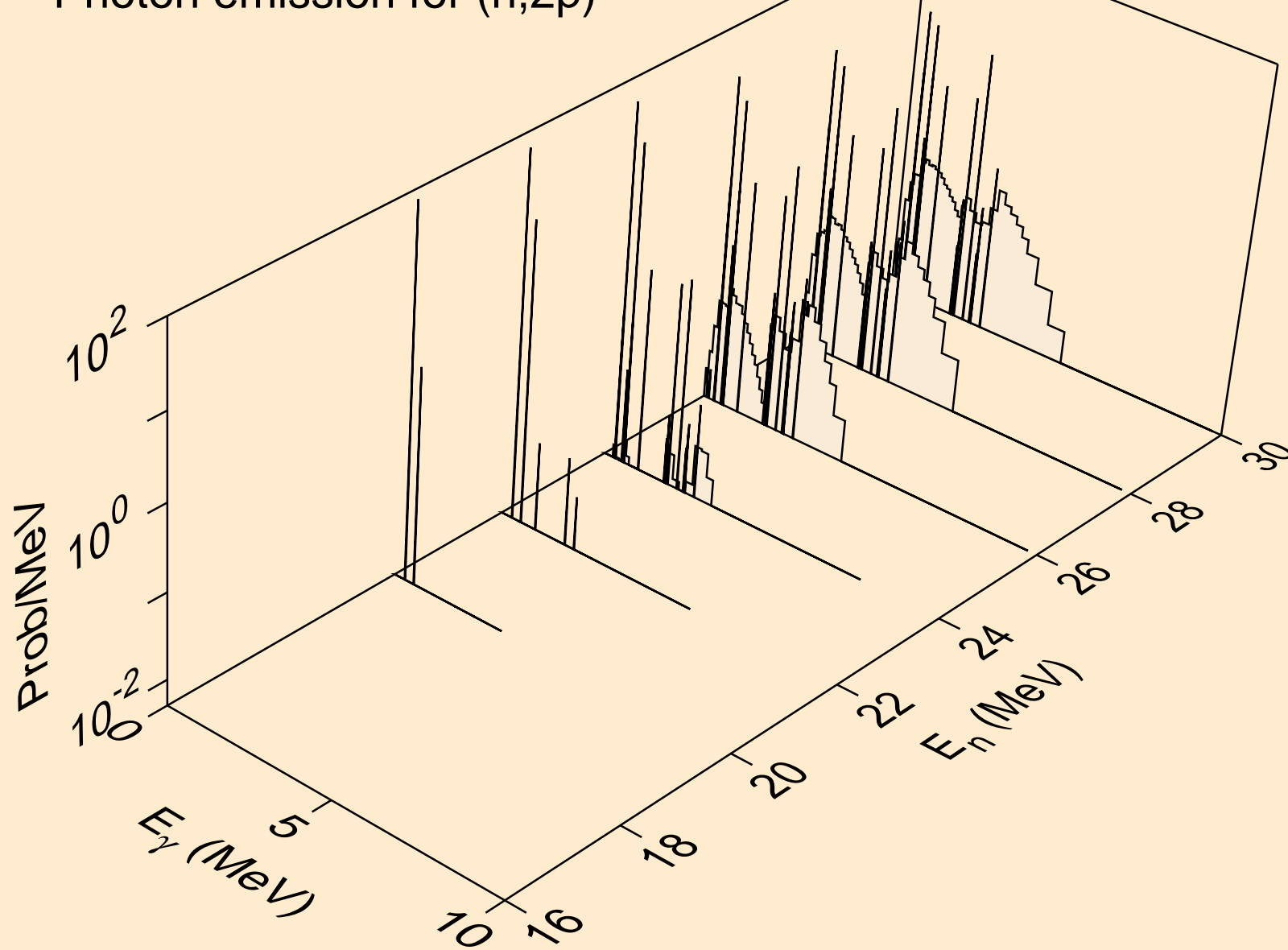
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Photon emission for (n,a)



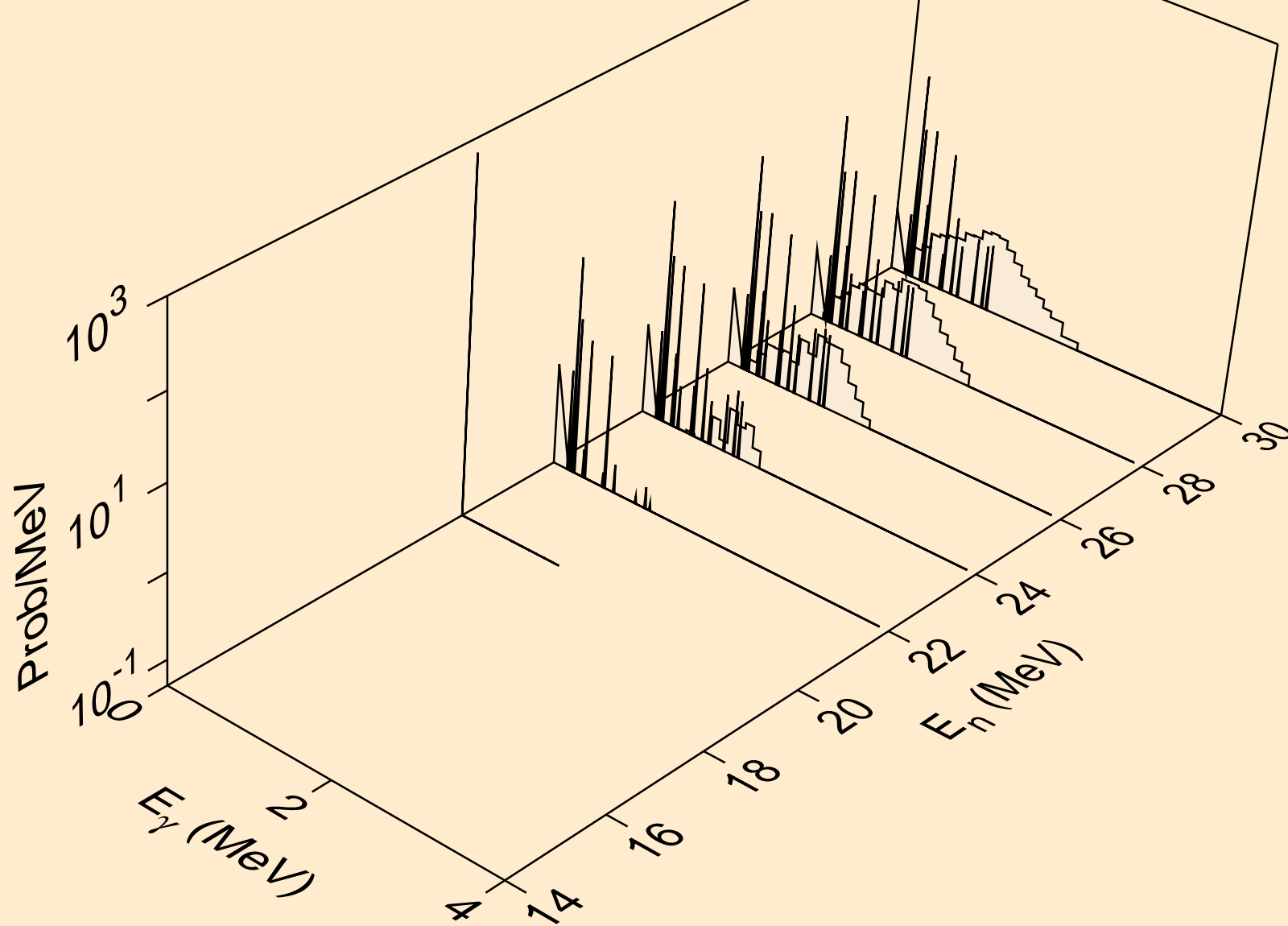
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Photon emission for (n,2a)



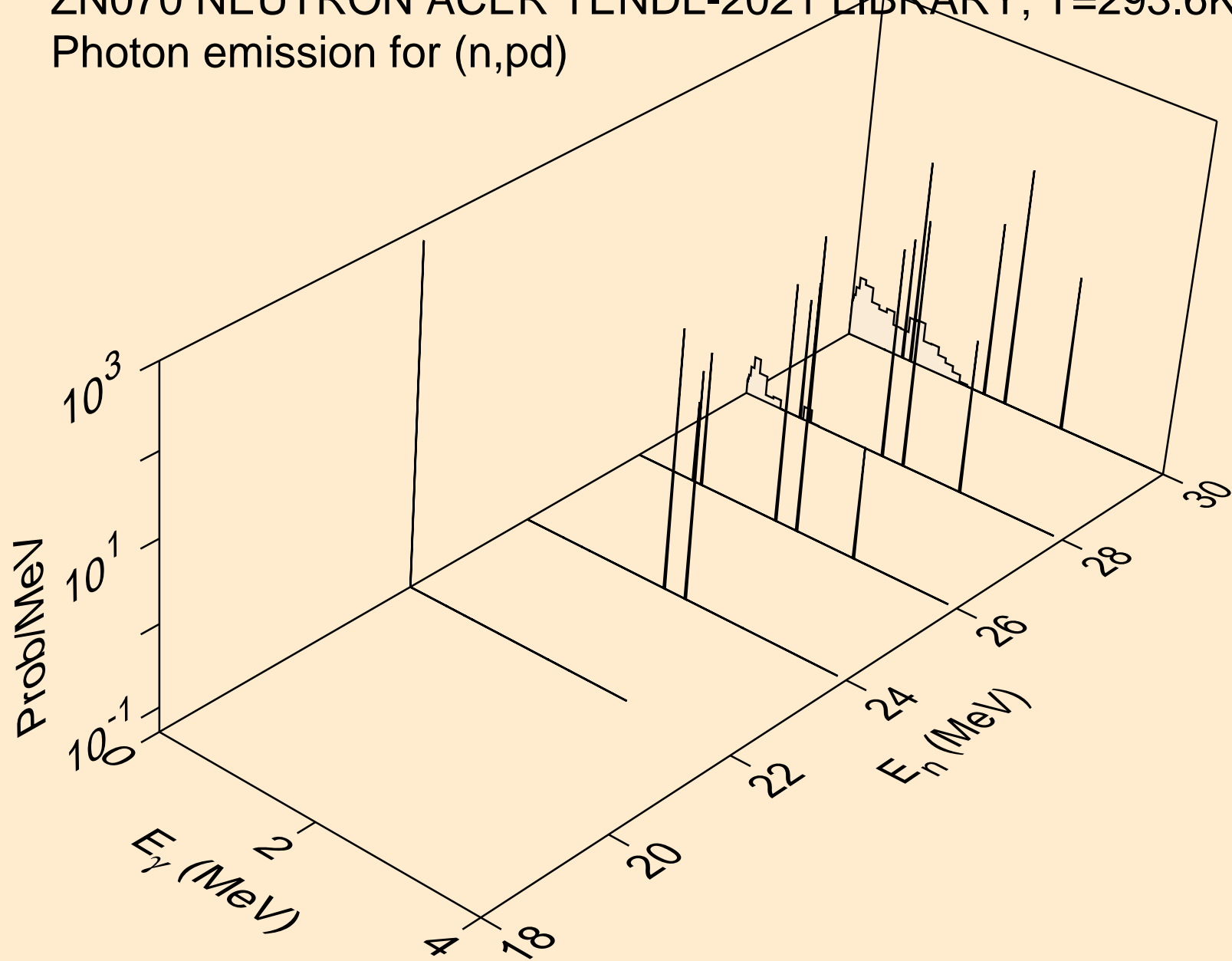
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Photon emission for (n,2p)



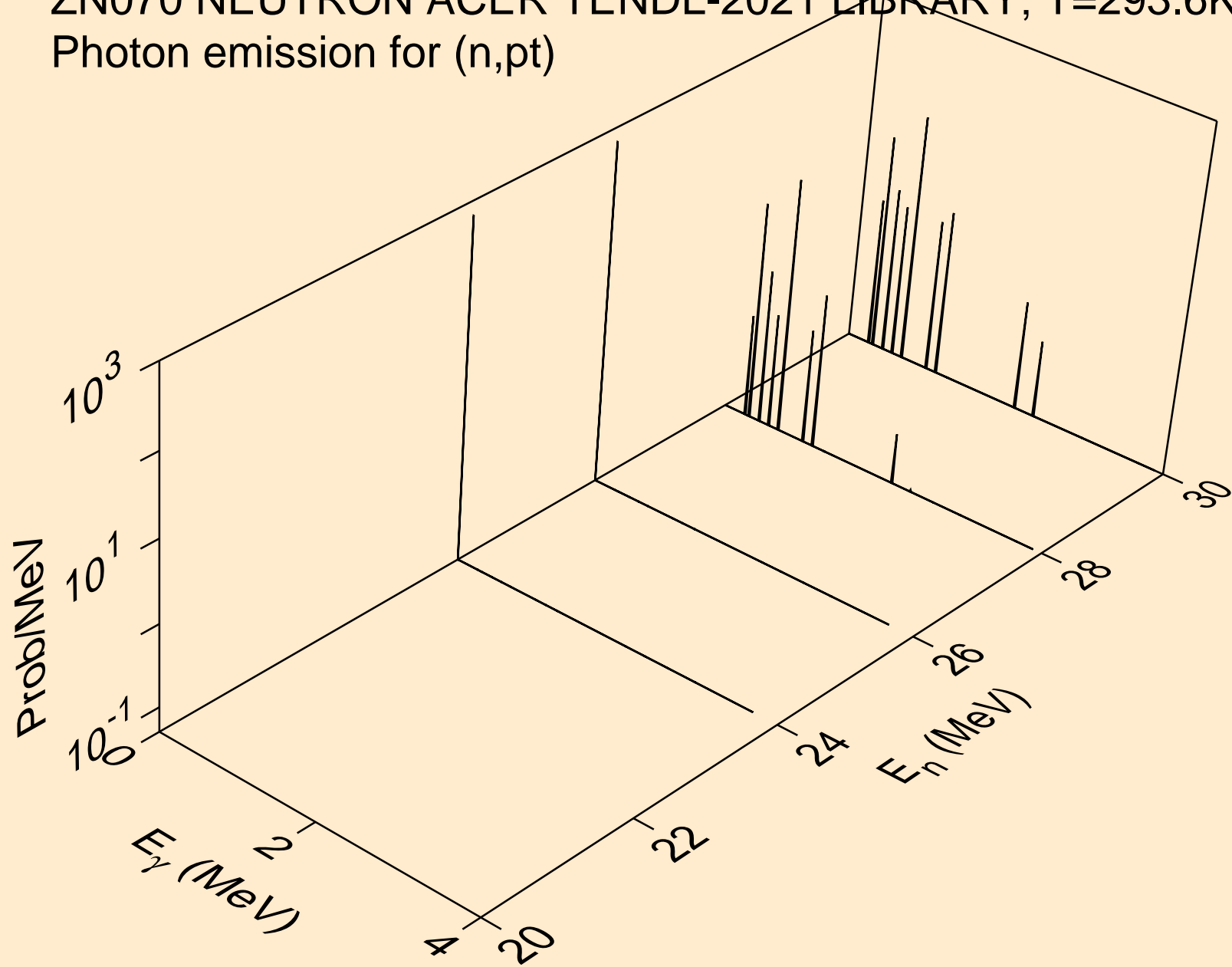
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Photon emission for (n,p $\alpha$ )



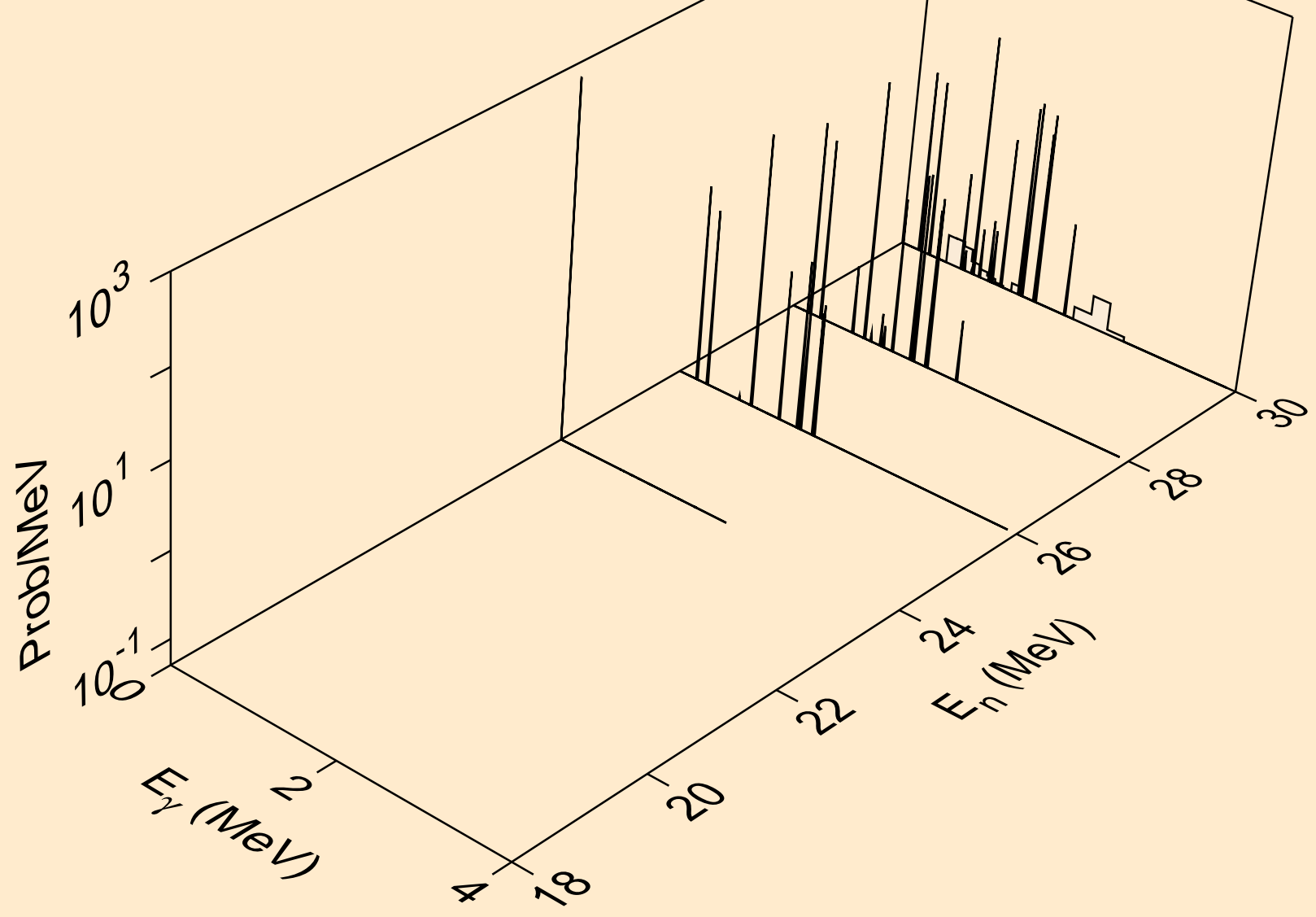
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Photon emission for (n,pd)



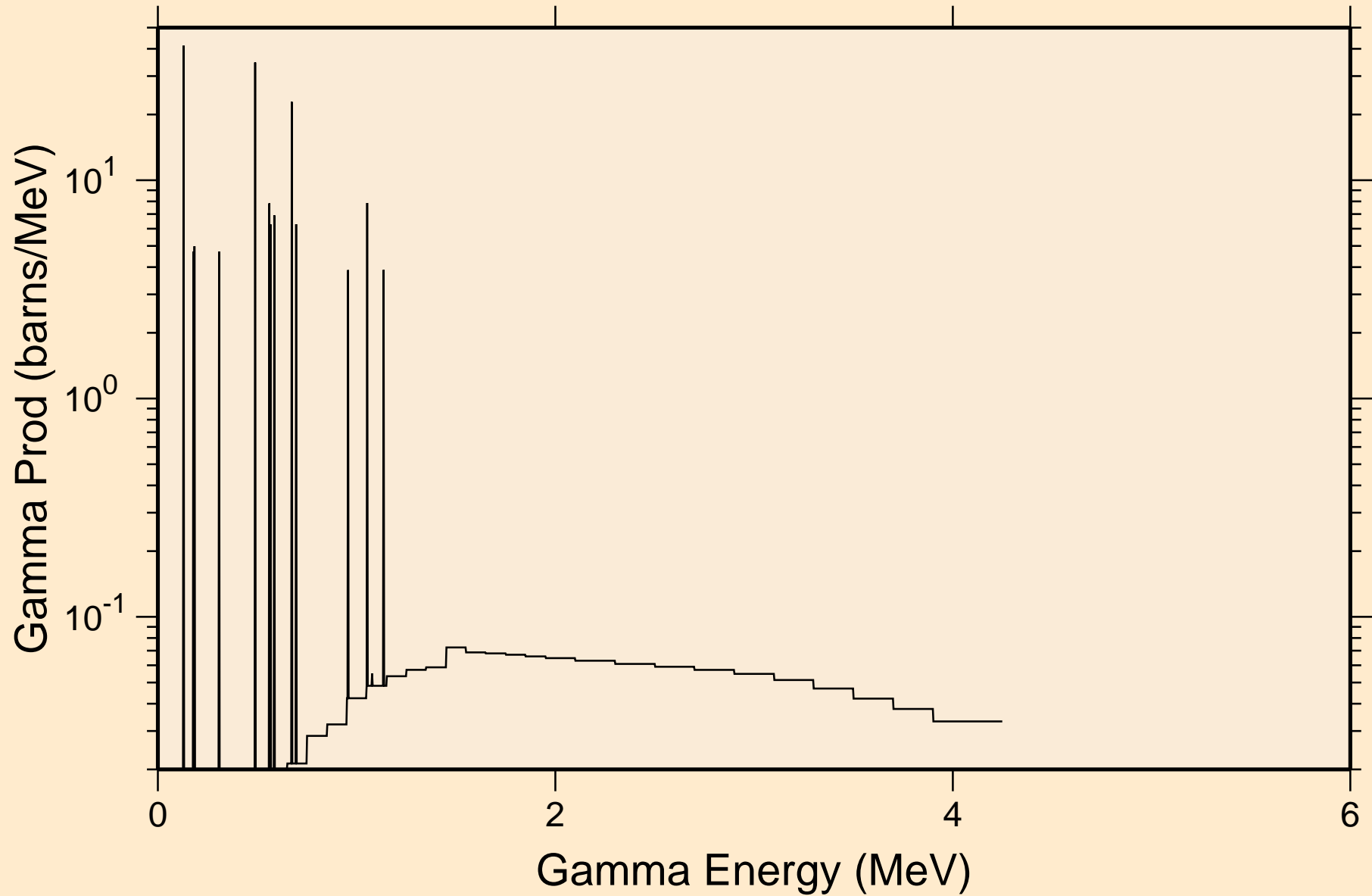
ZN070 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,pt)



ZN070 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,da)

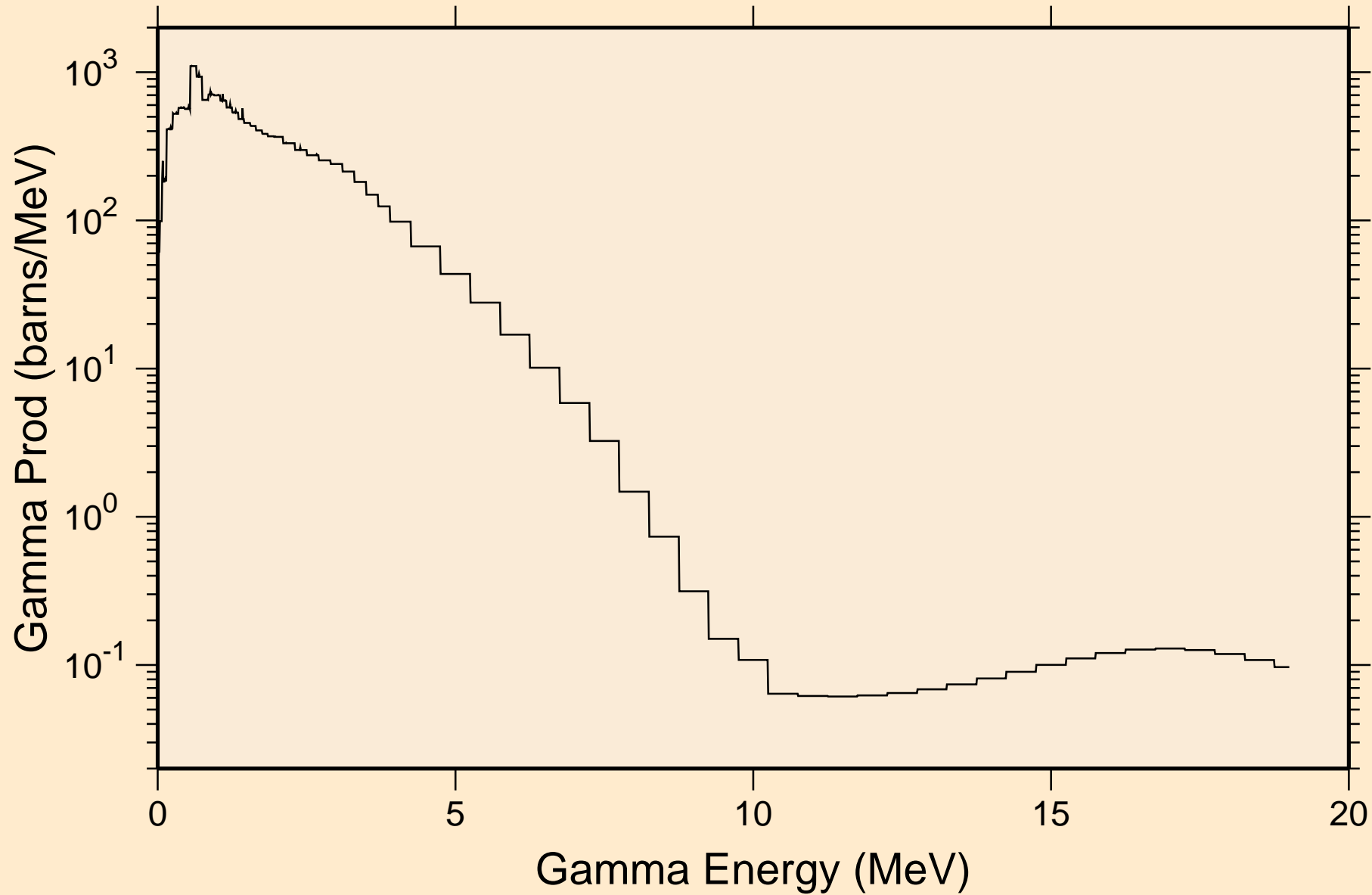


ZN070 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
thermal capture photon spectrum



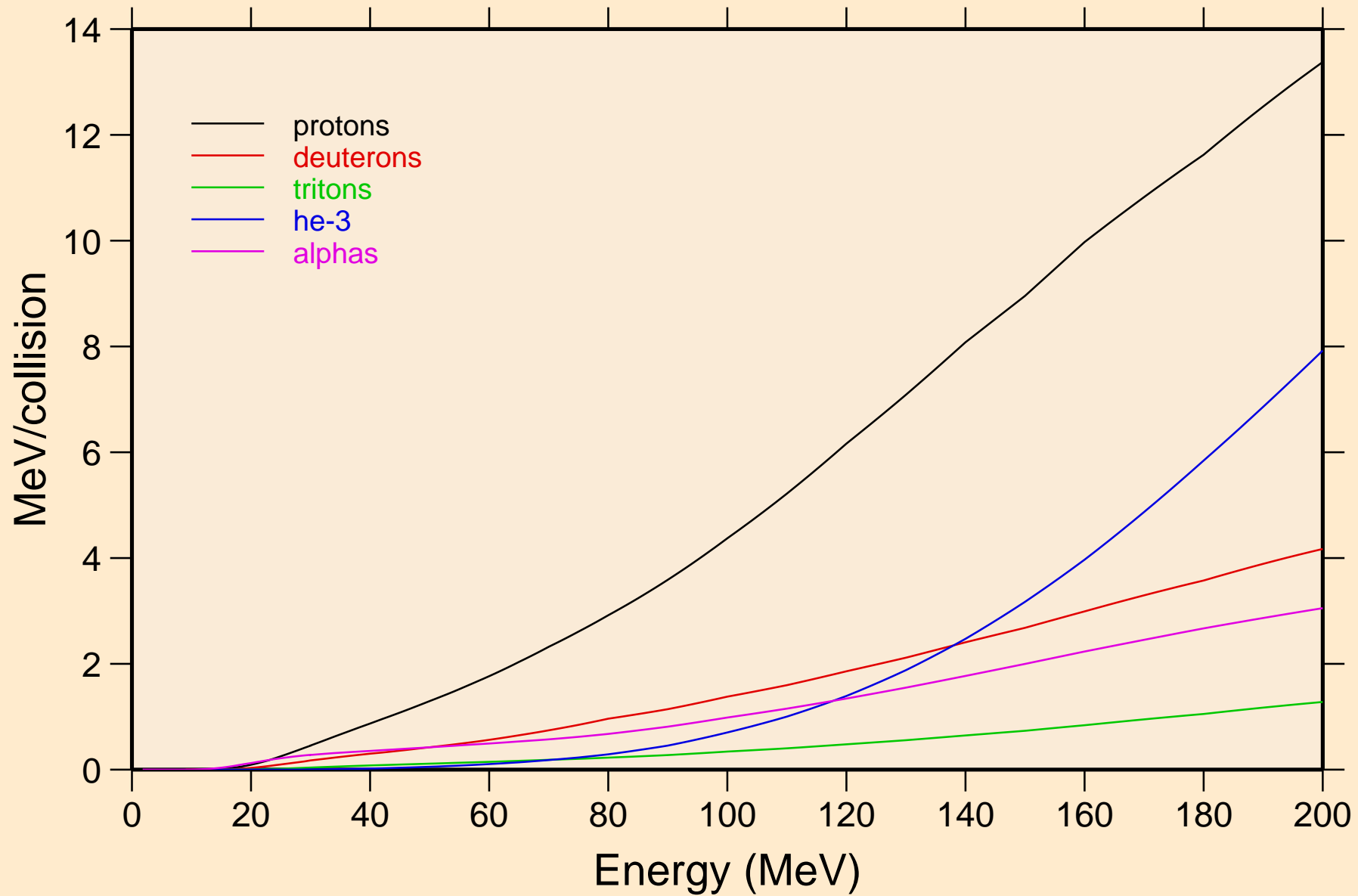


ZN070 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
14 MeV photon spectrum

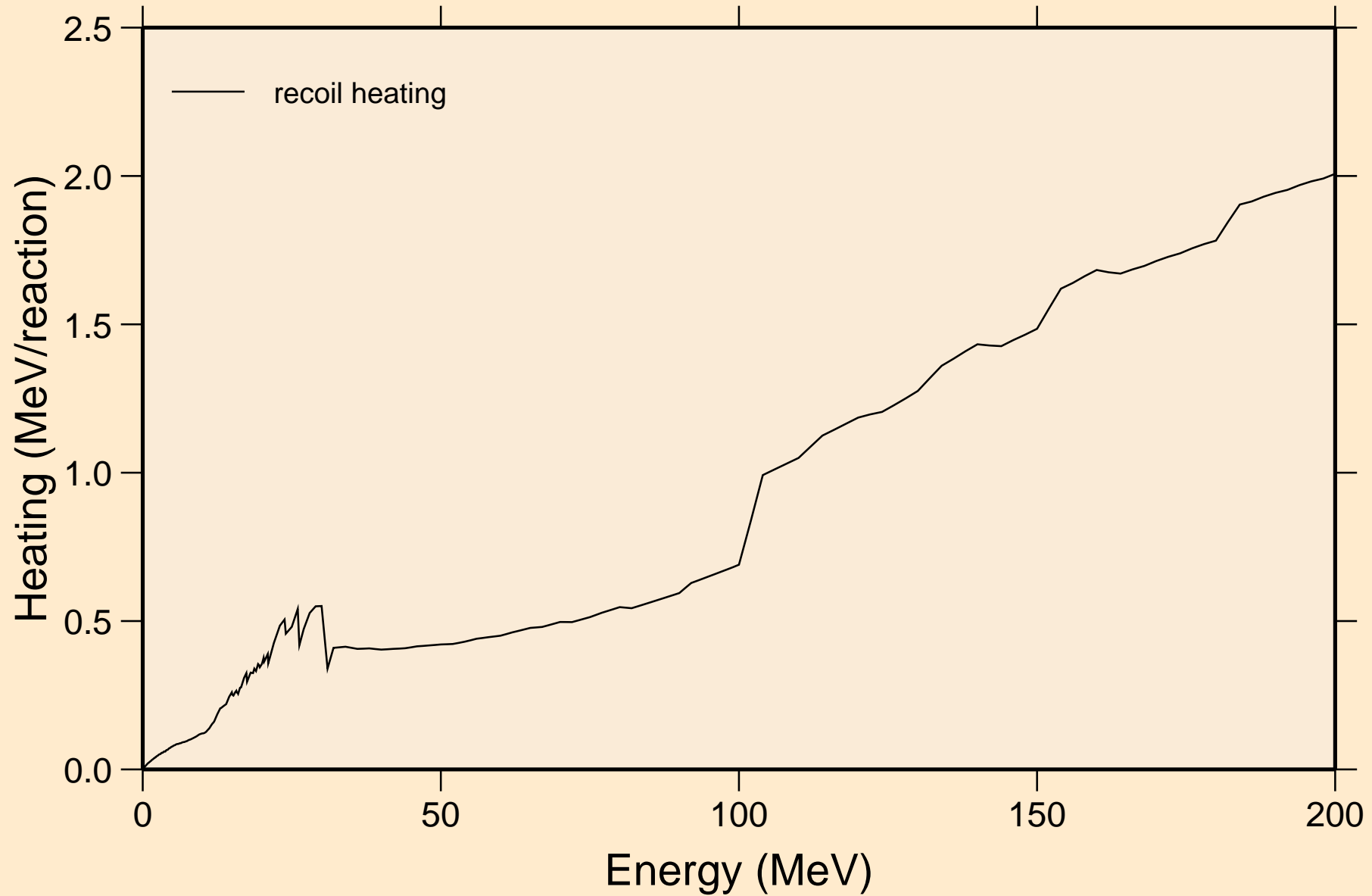


# ZN070 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

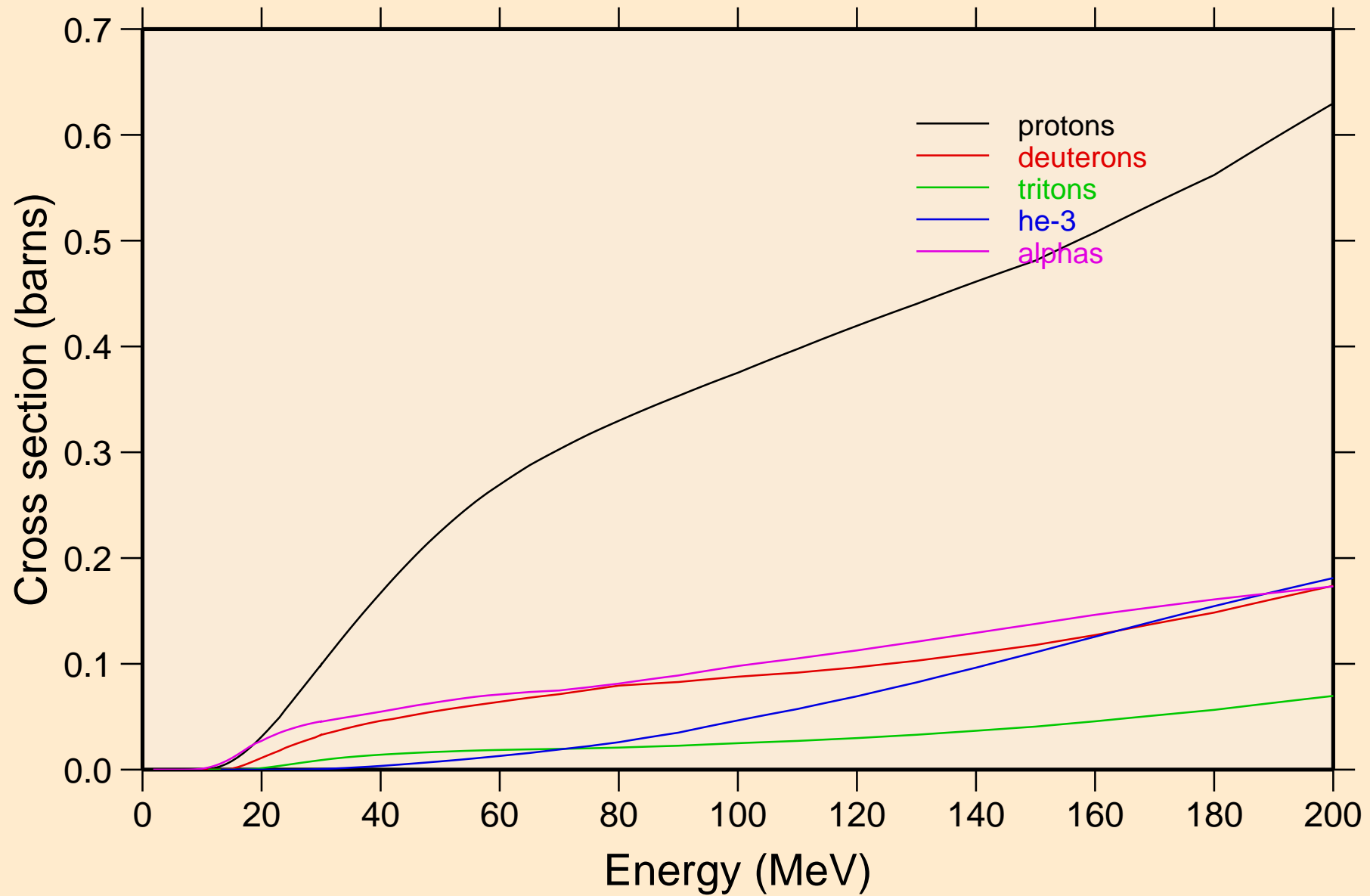
## Particle heating contributions



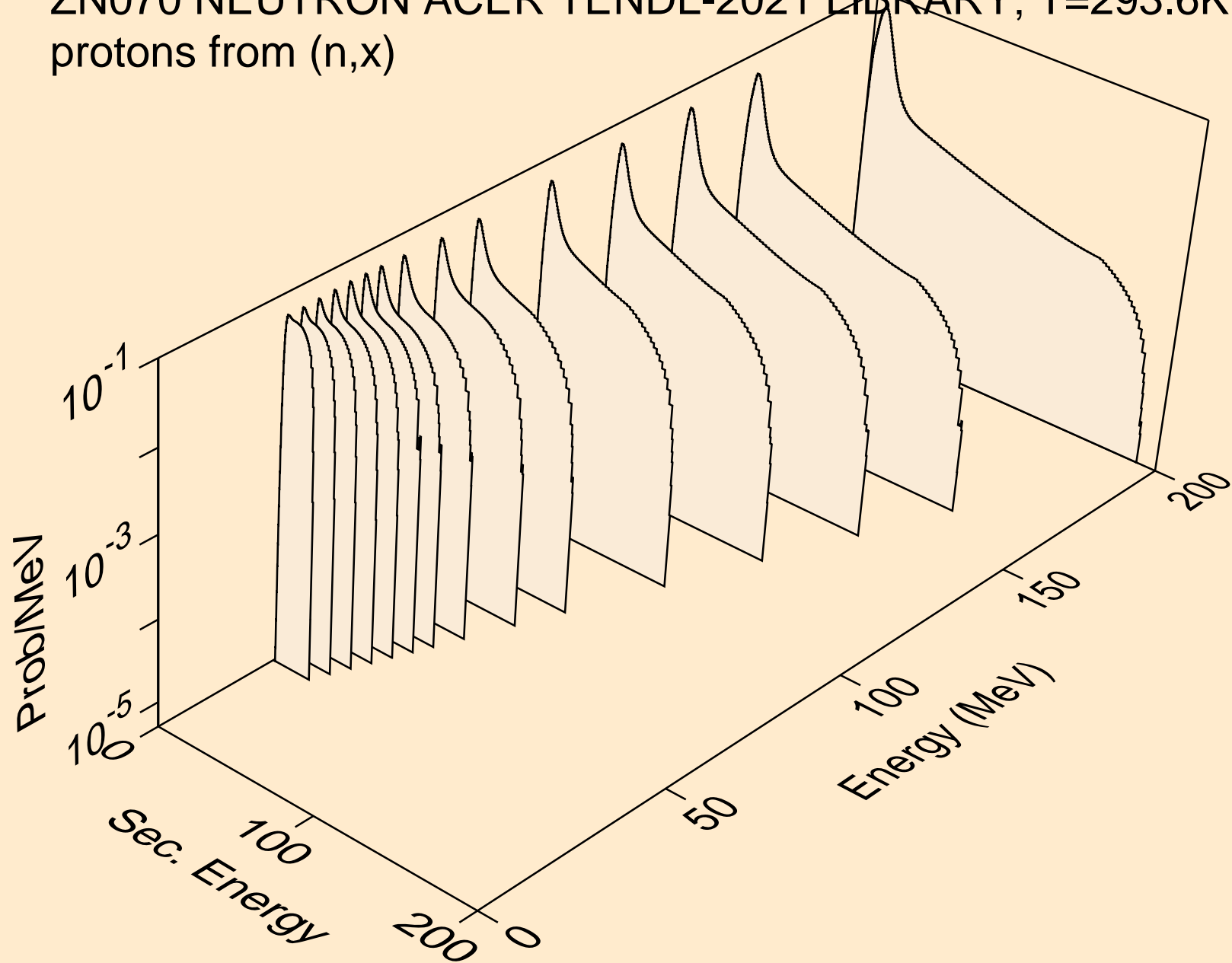
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Recoil Heating



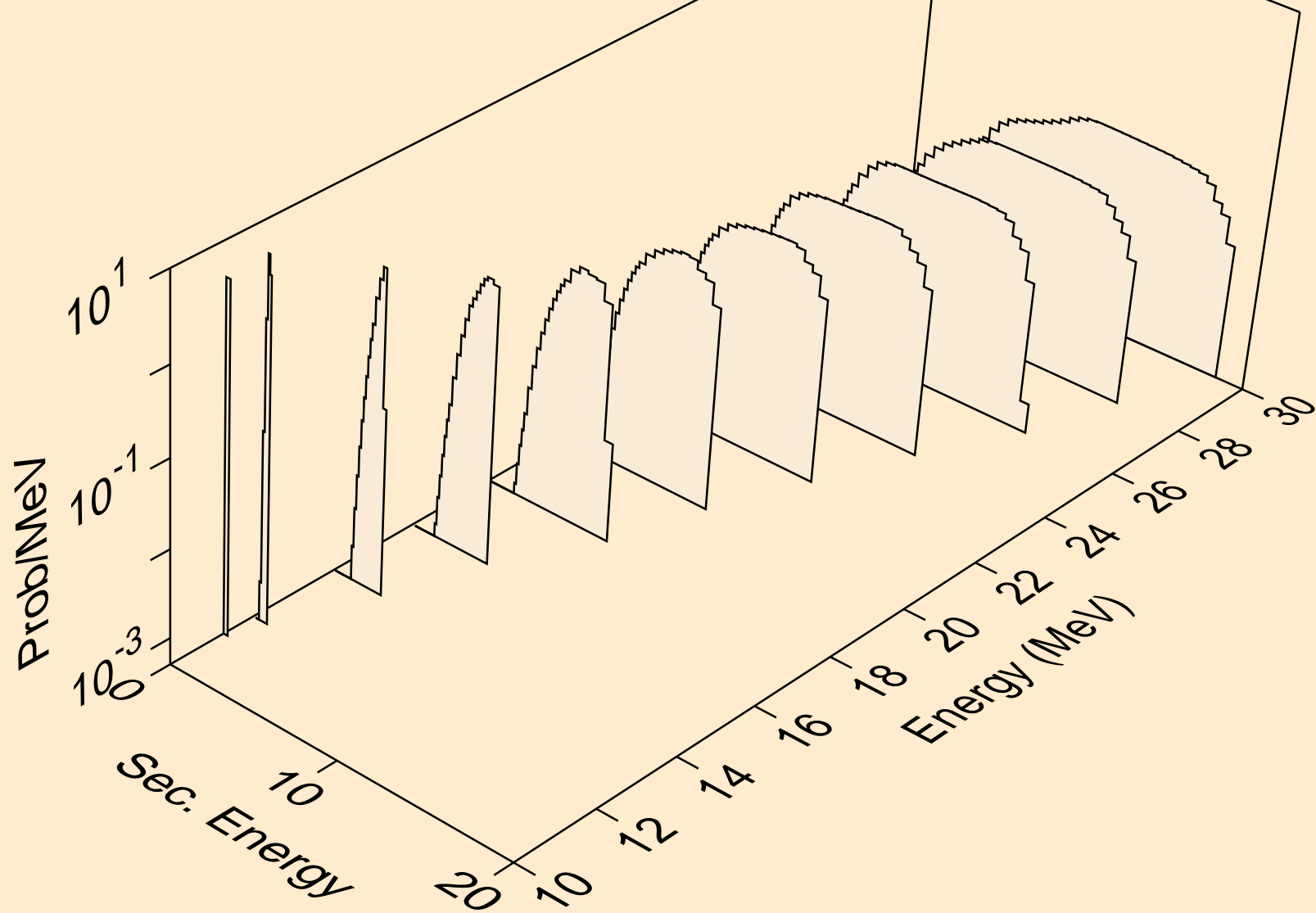
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Particle production cross sections



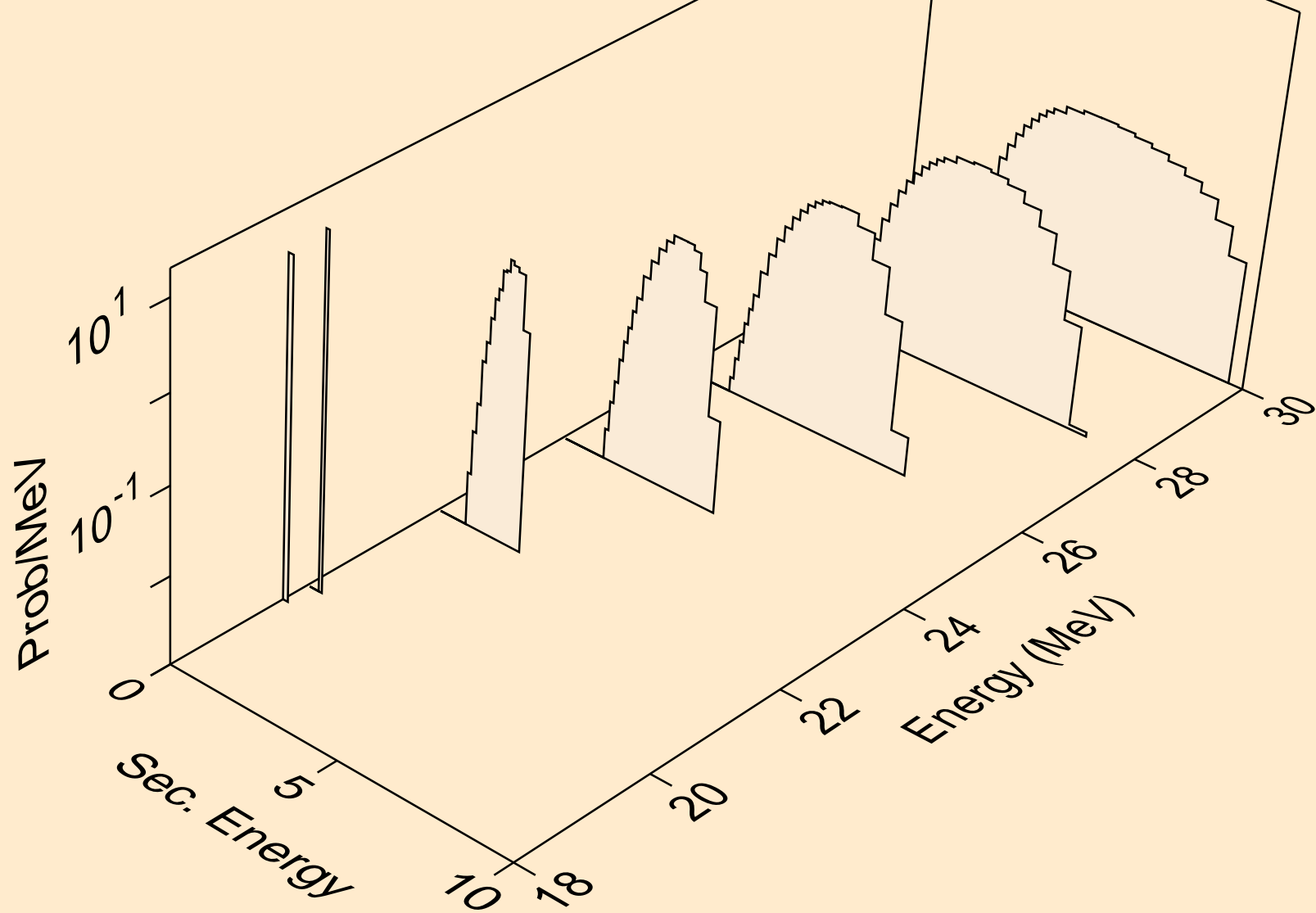
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protons from (n,x)



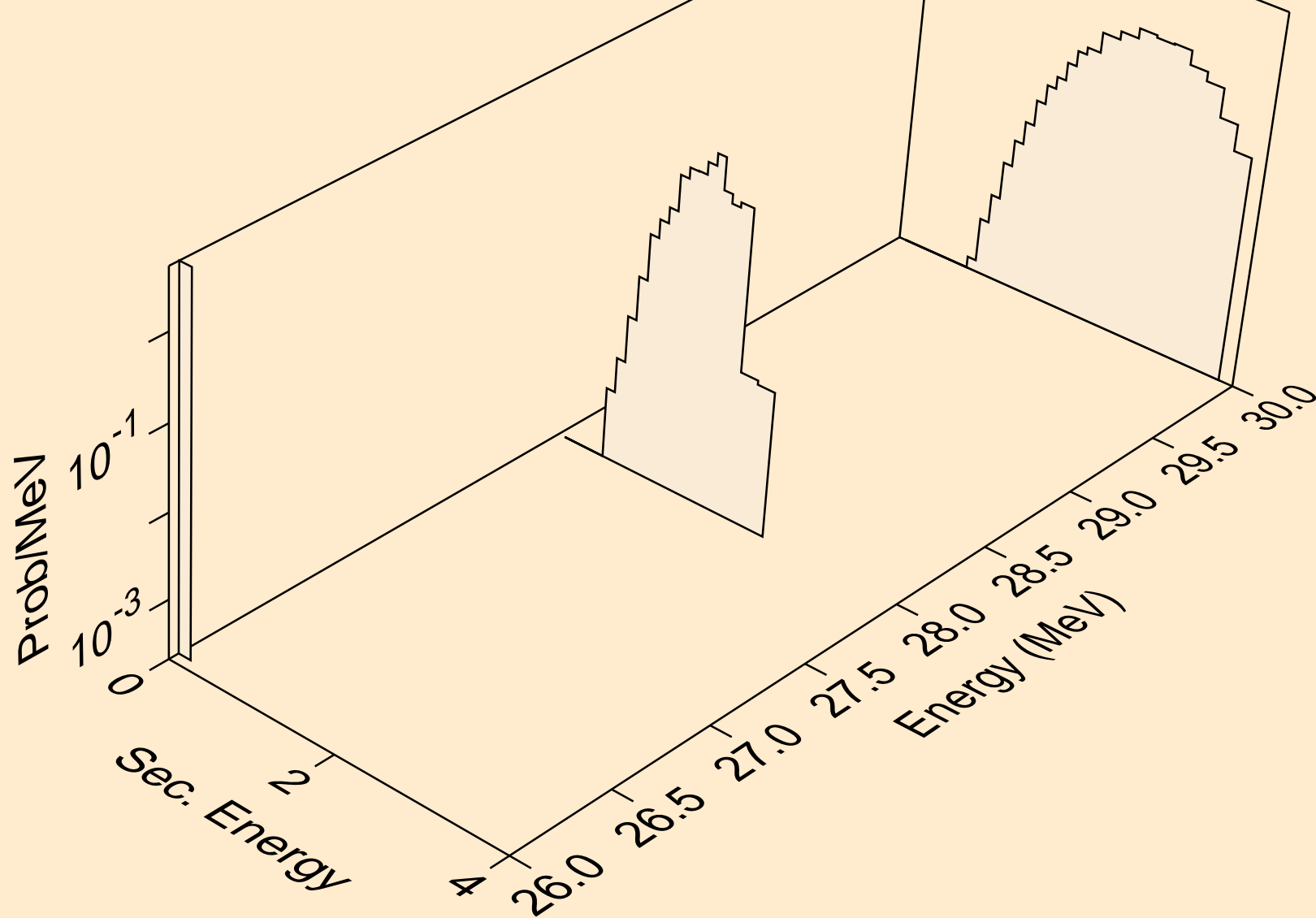
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protons from (n,n\*)p



ZN070 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,2np)

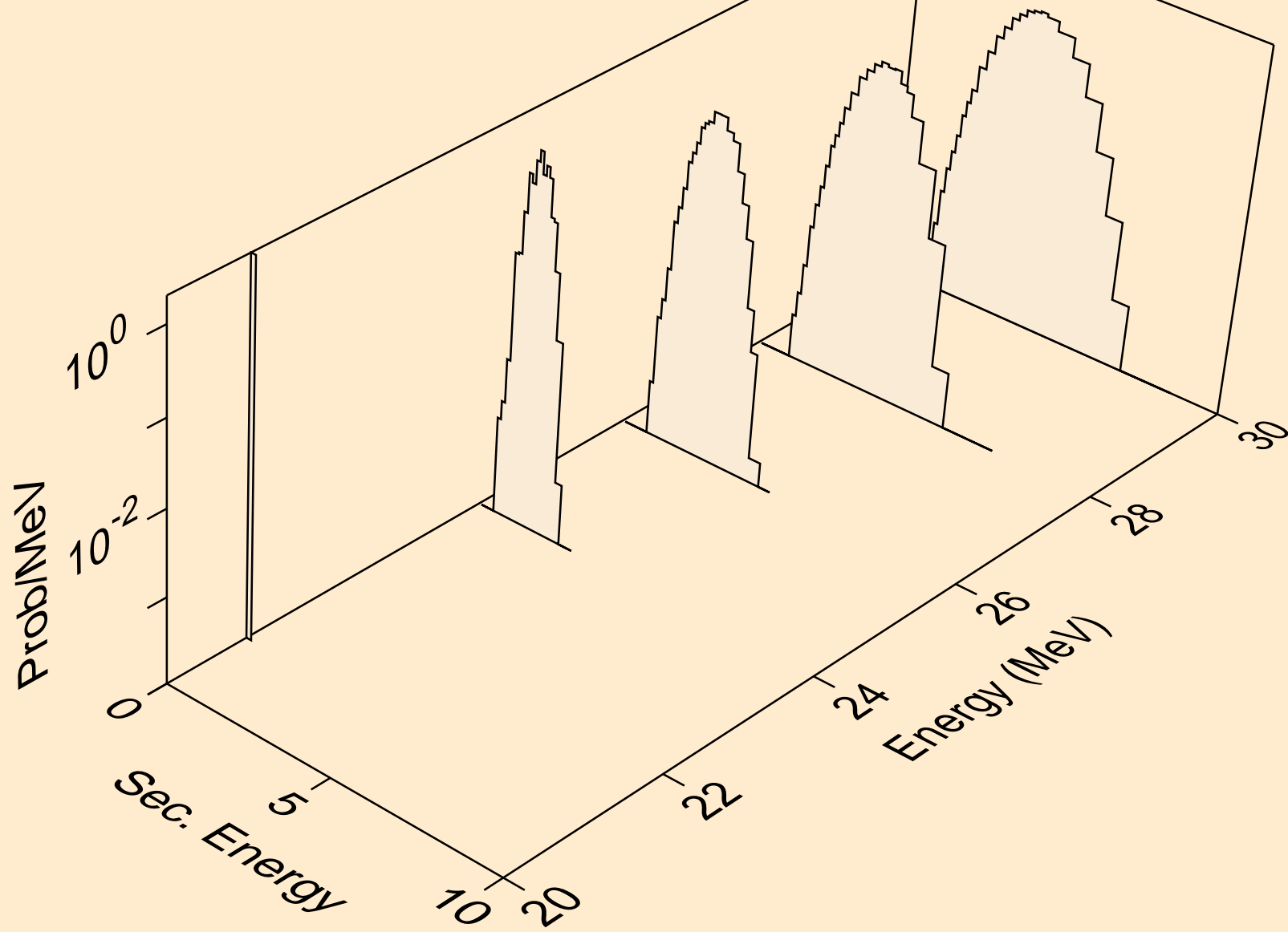


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protons from (n,3np)

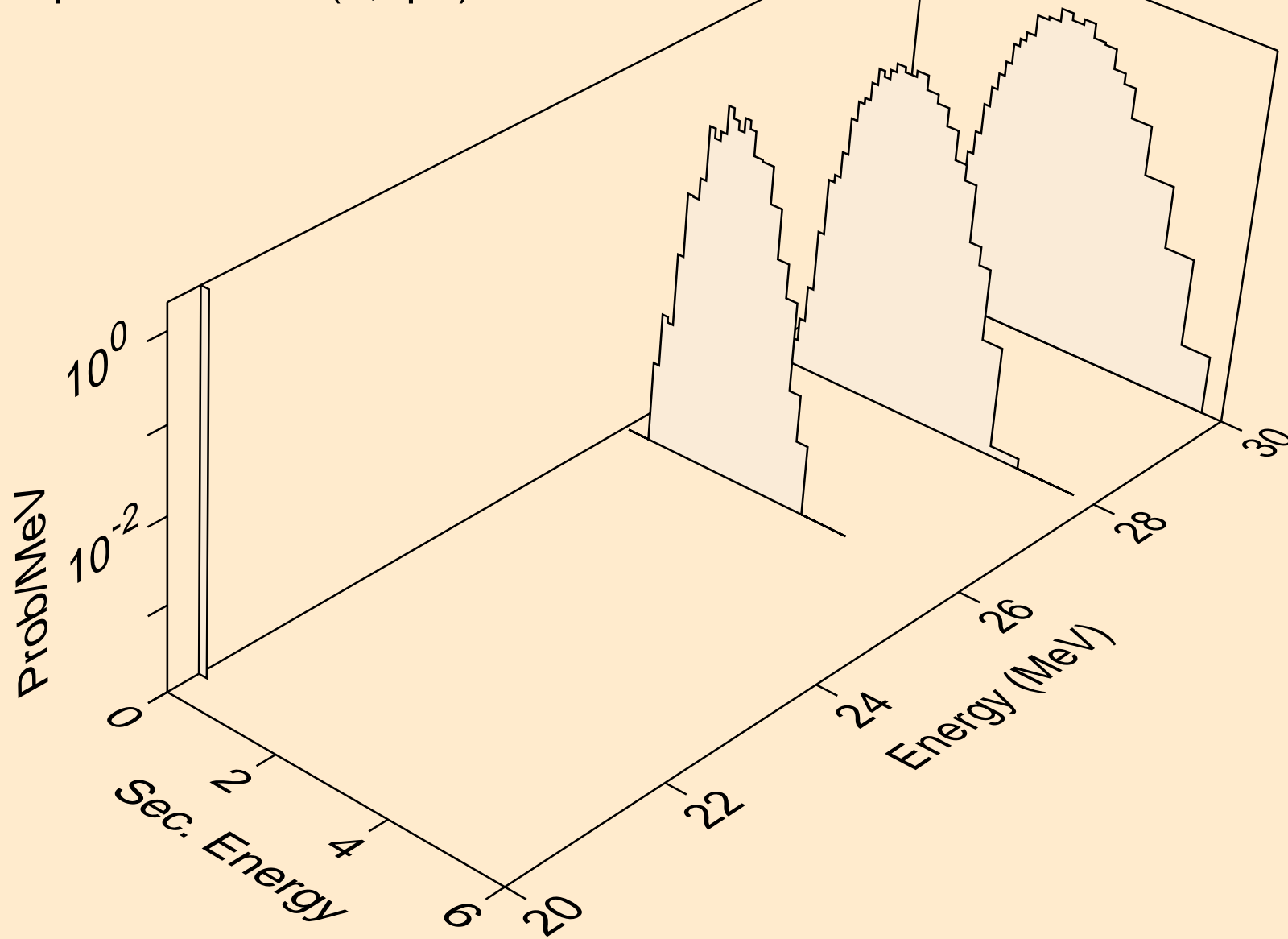




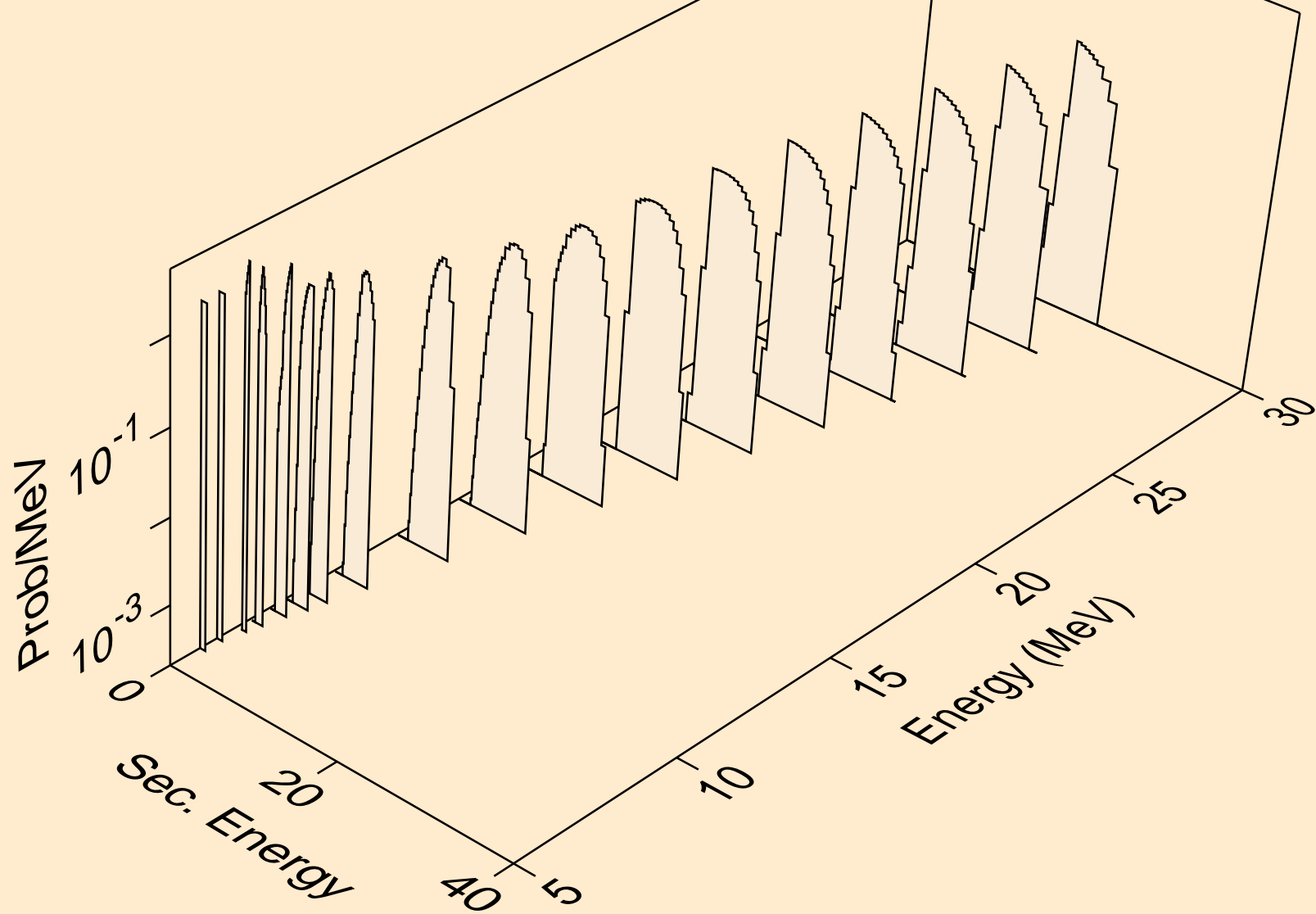
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protons from (n,2np)



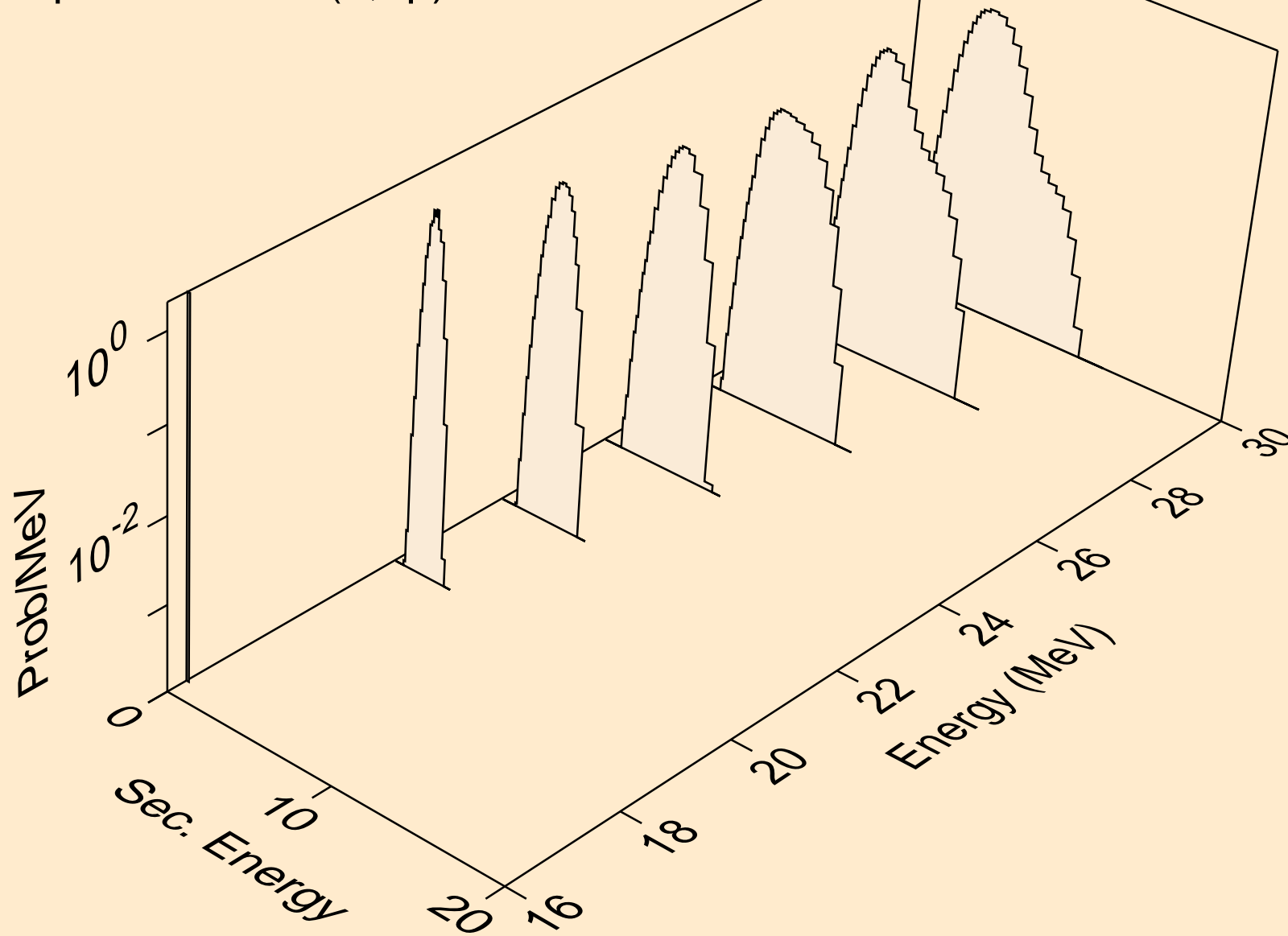
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protons from (n,npa)



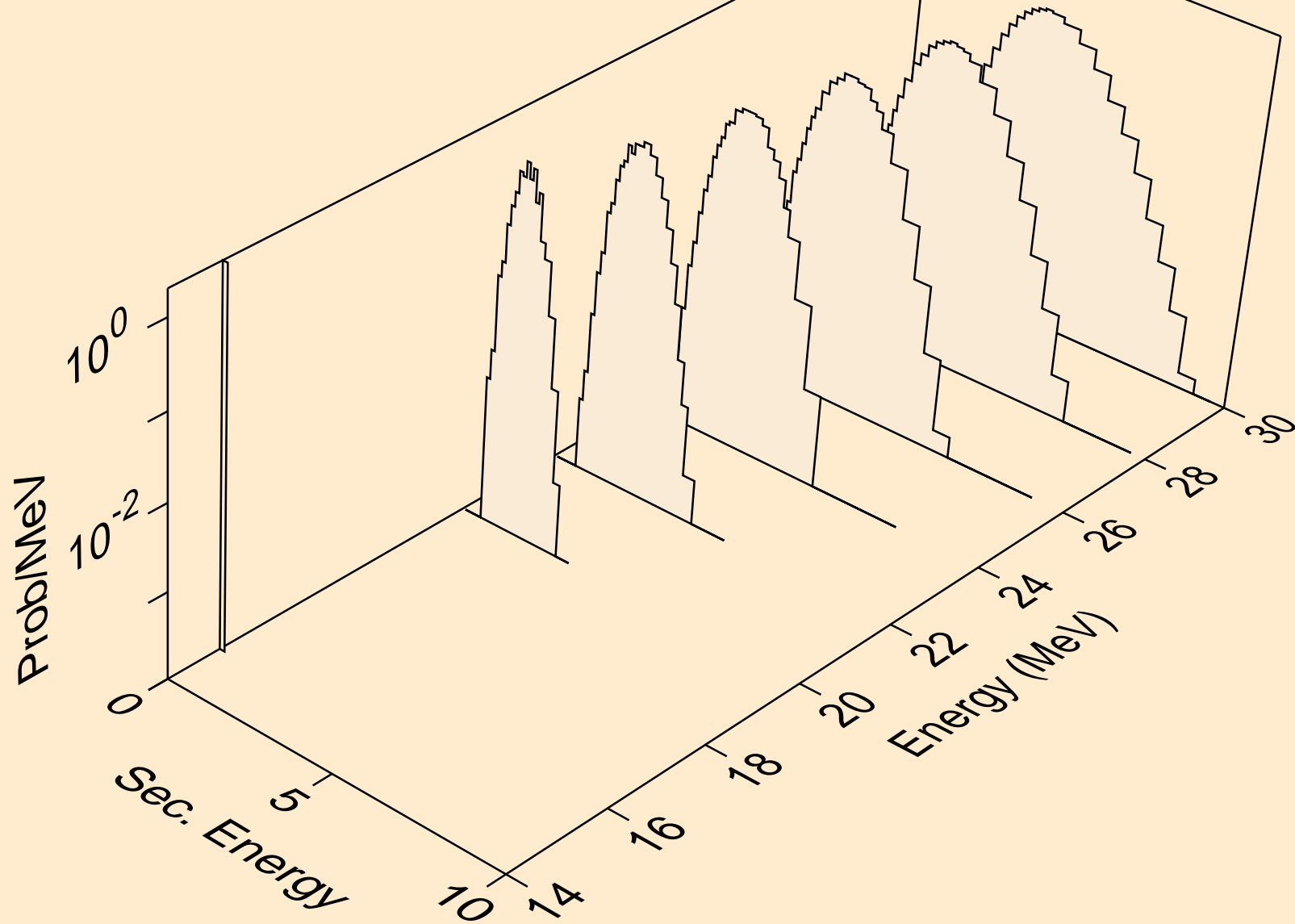
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protons from (n,p)



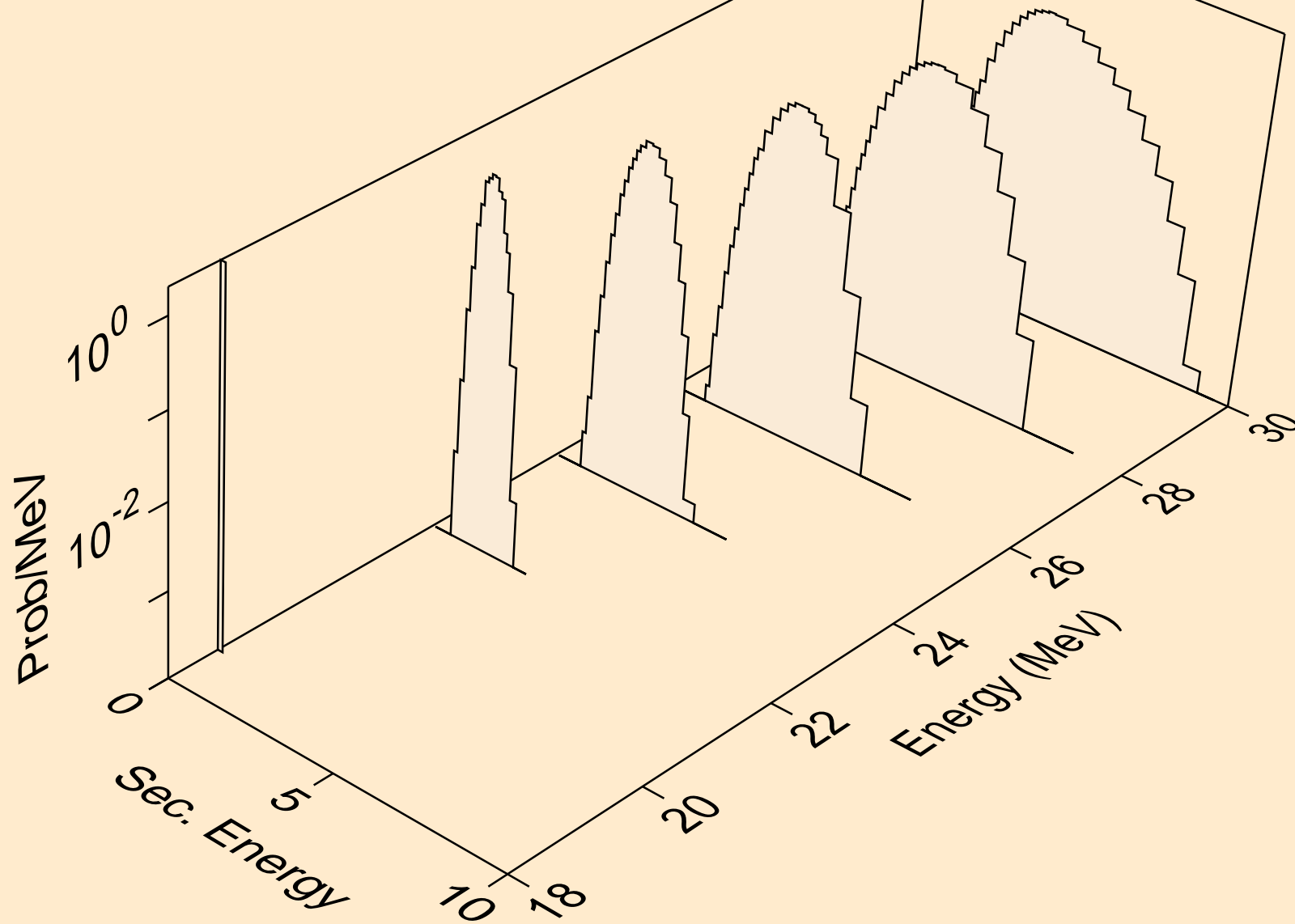
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protons from (n,2p)



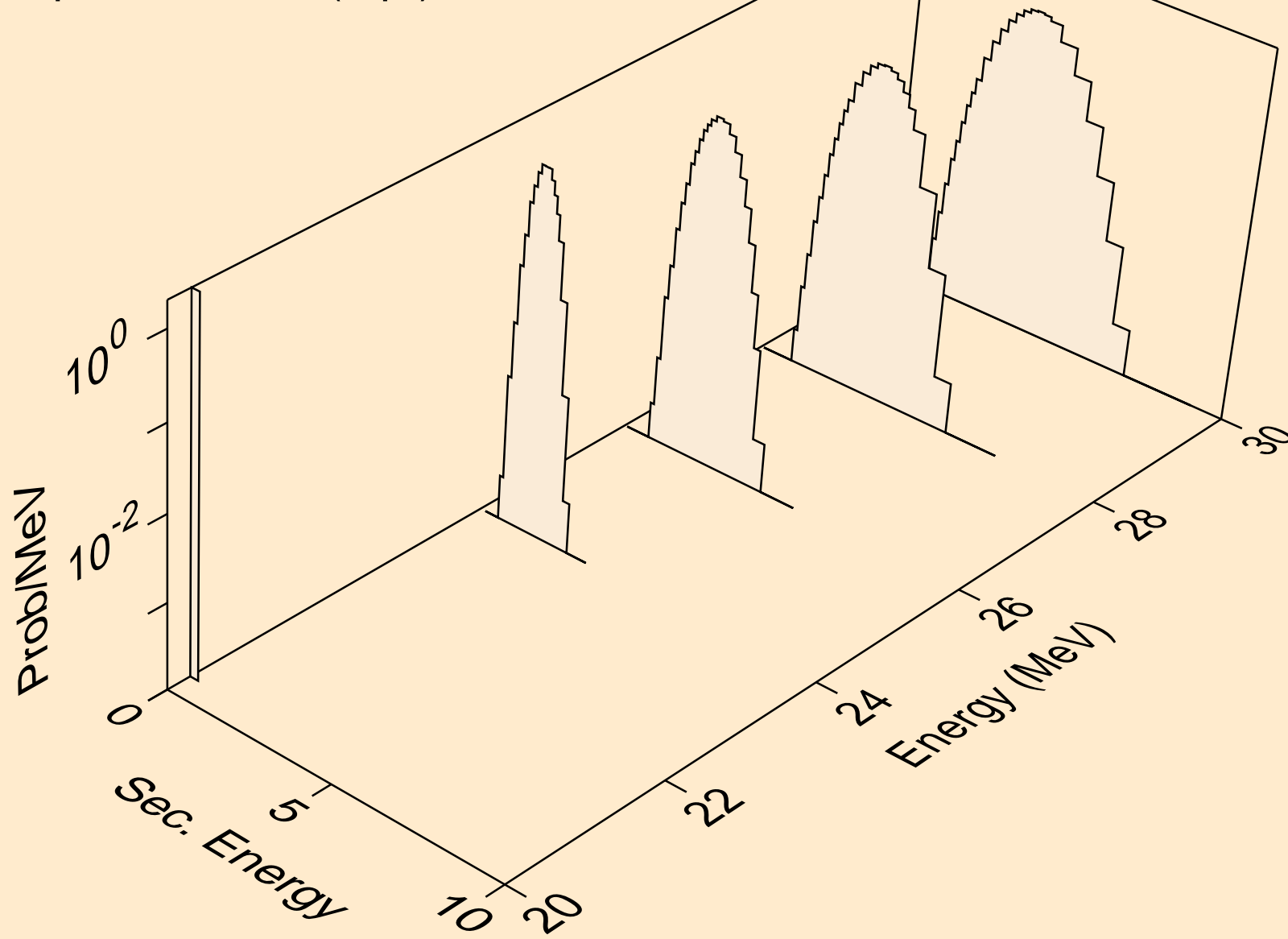
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protons from (n,p)



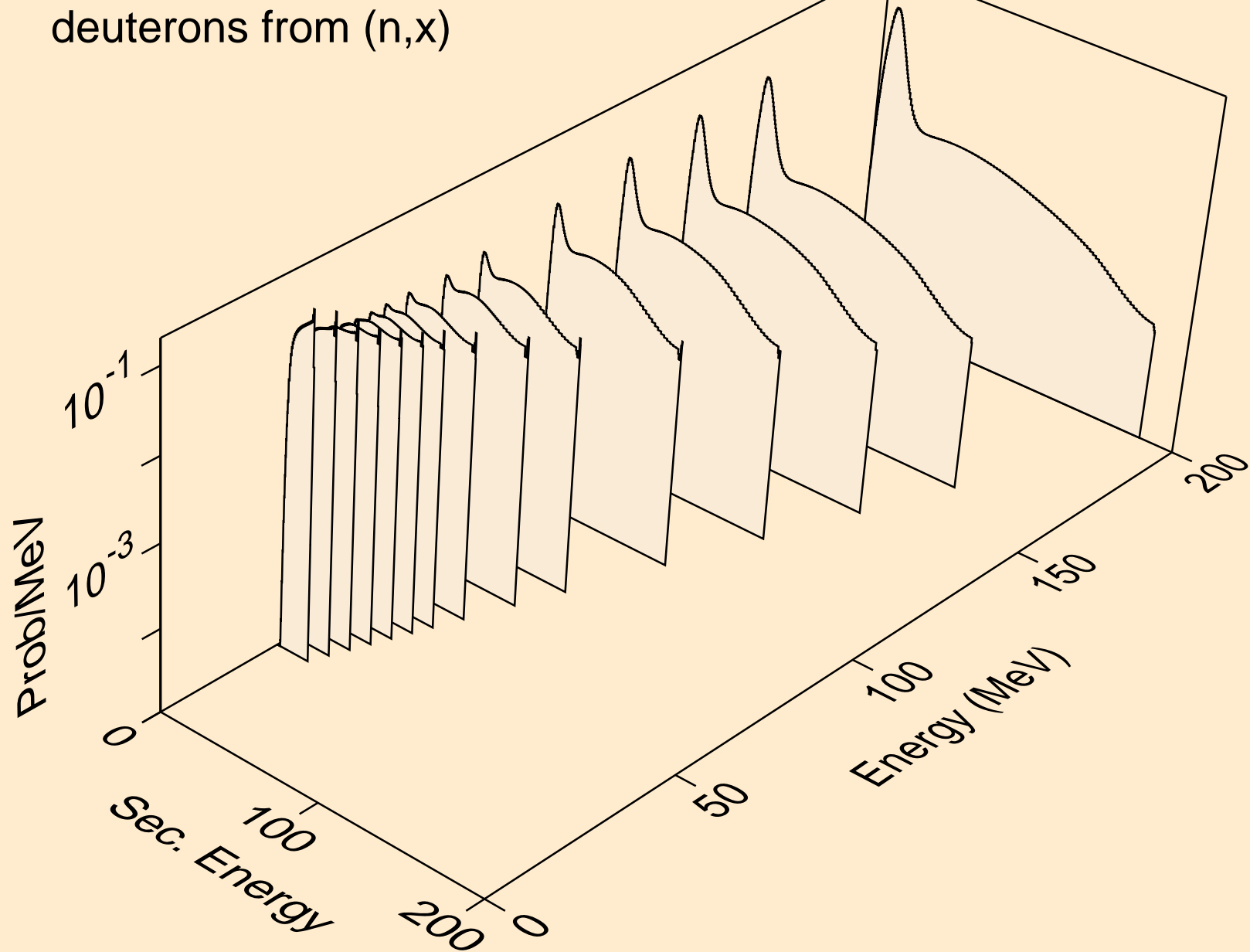
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protons from (n,pd)



ZN070 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,pt)

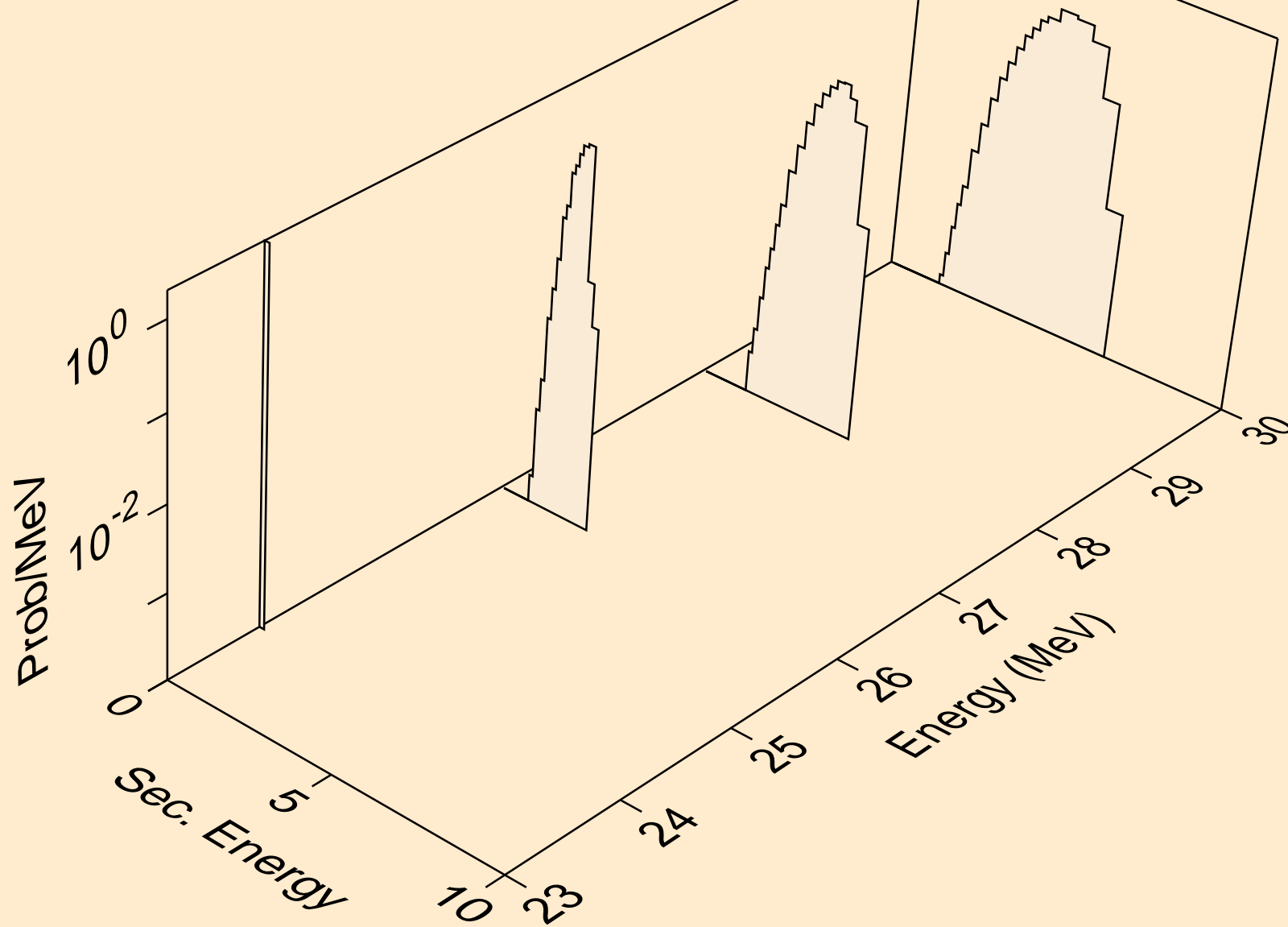


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deuterons from (n,x)

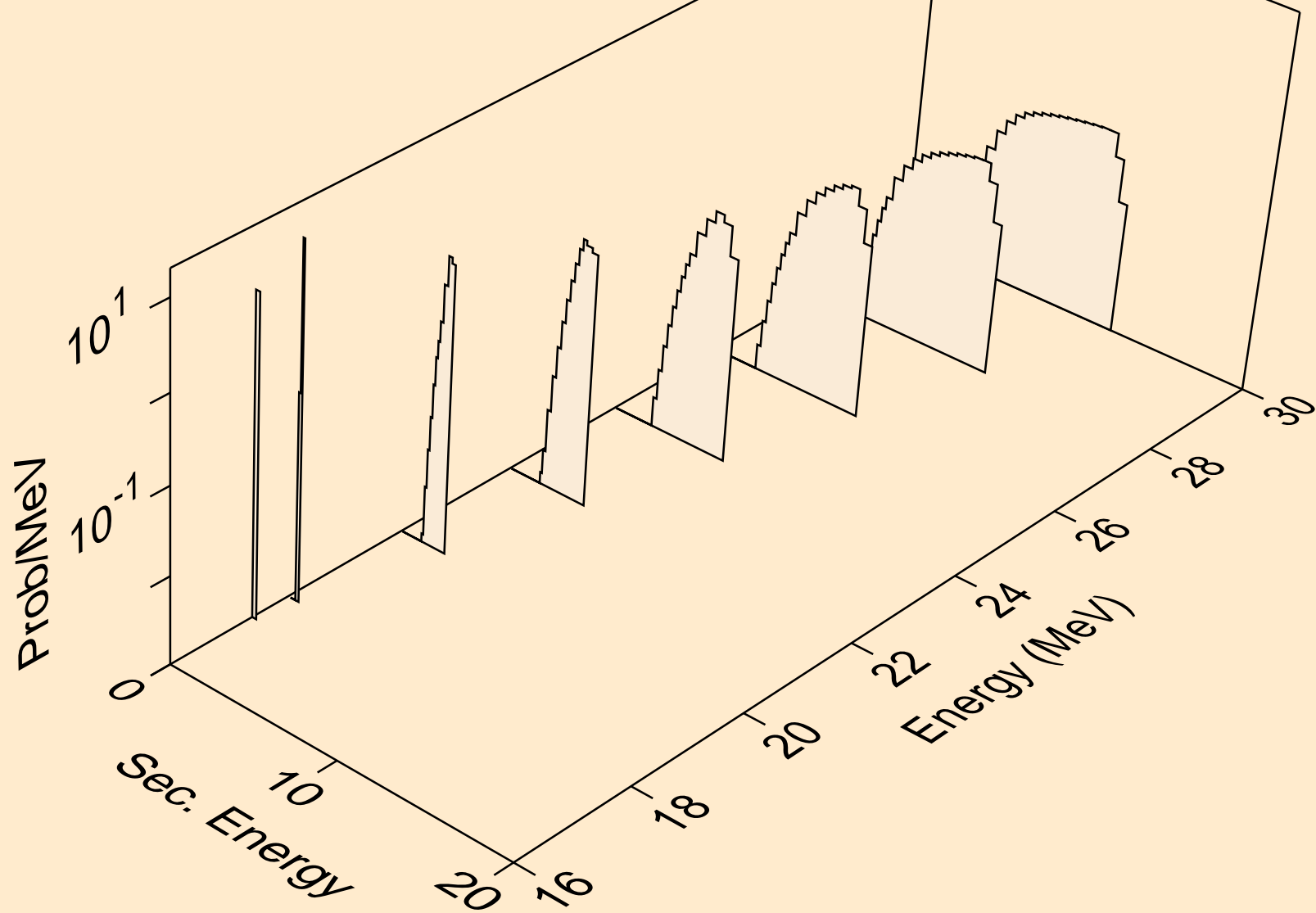




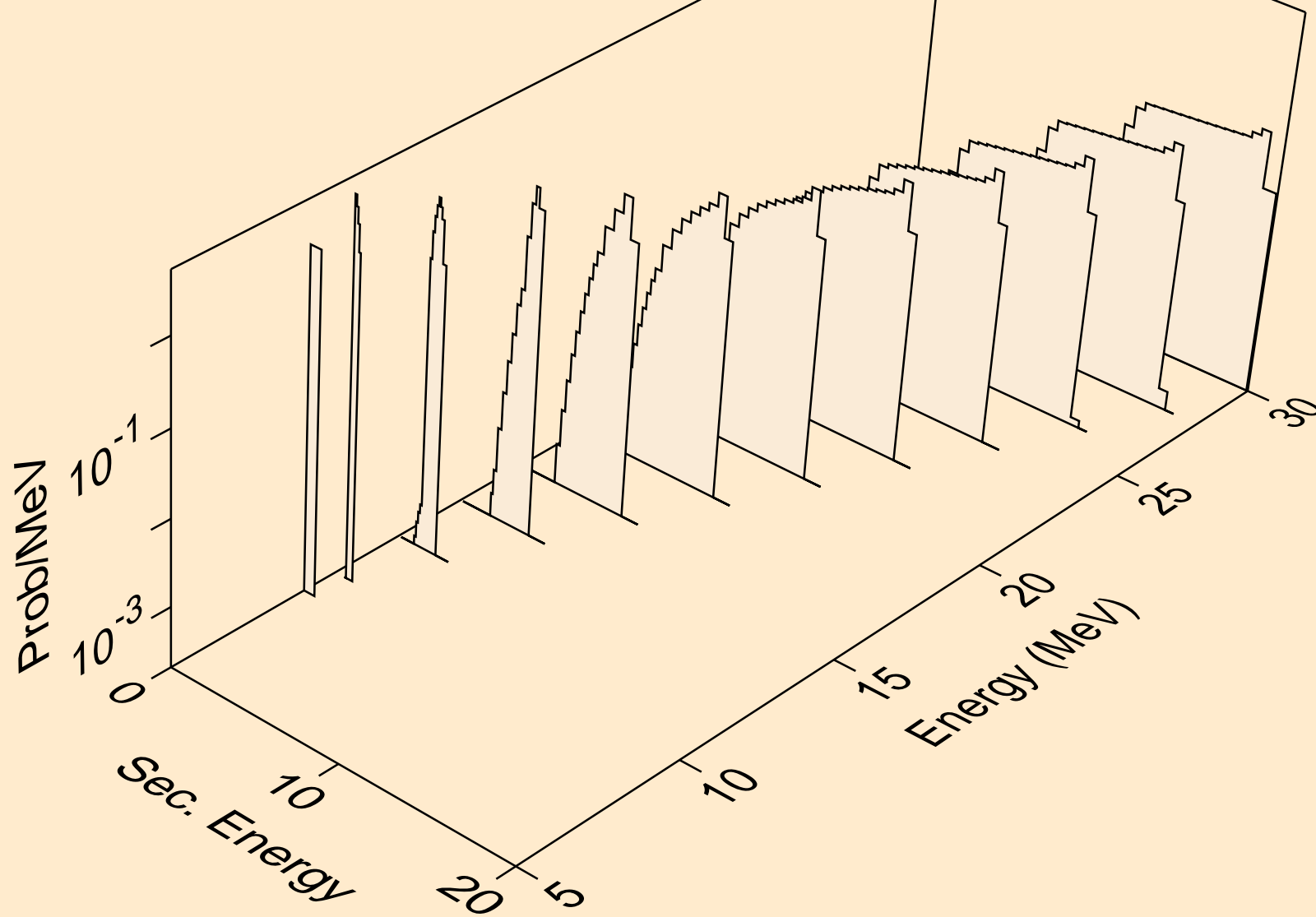
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deuterons from (n,2nd)



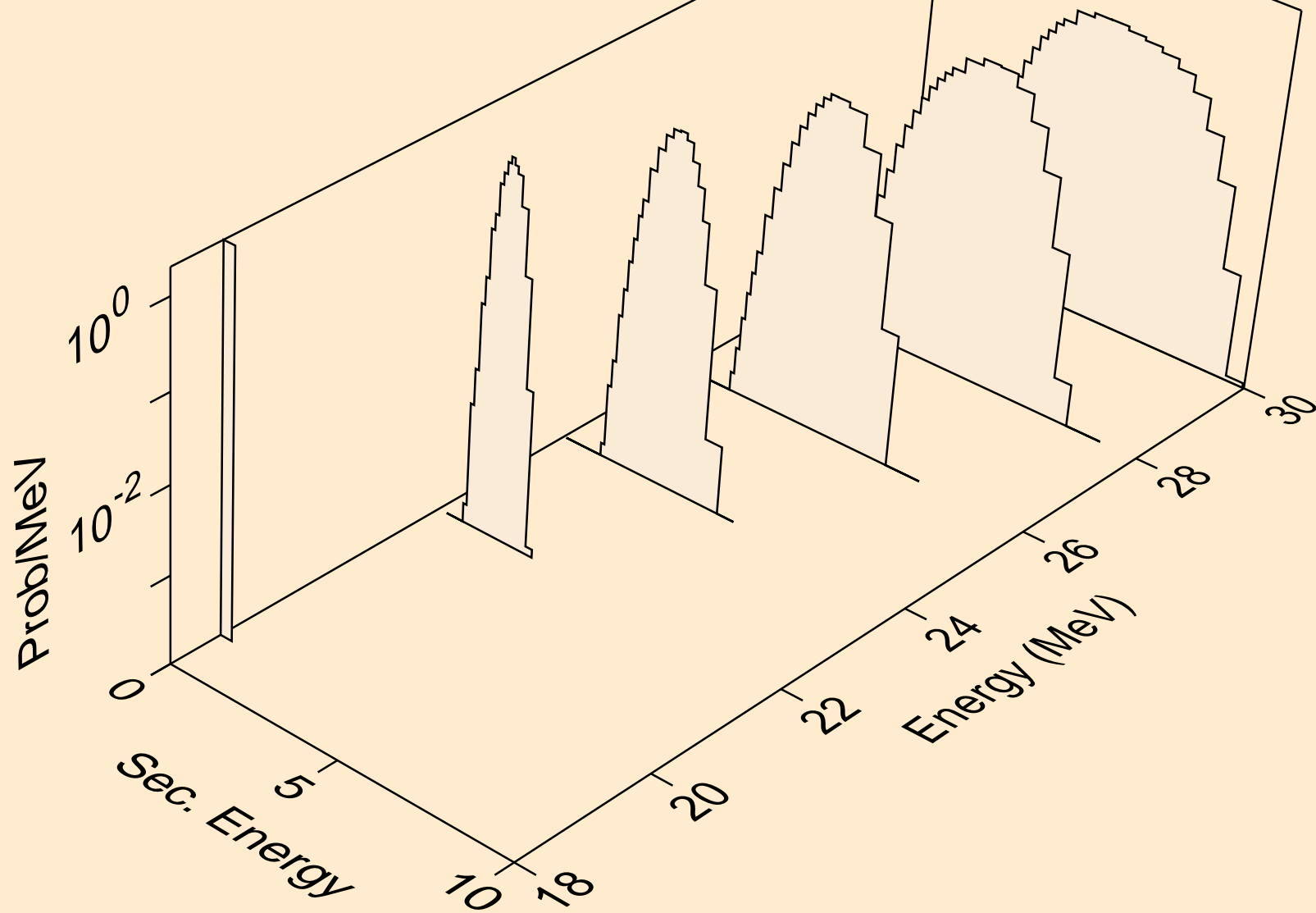
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deuterons from (n,n\*)d



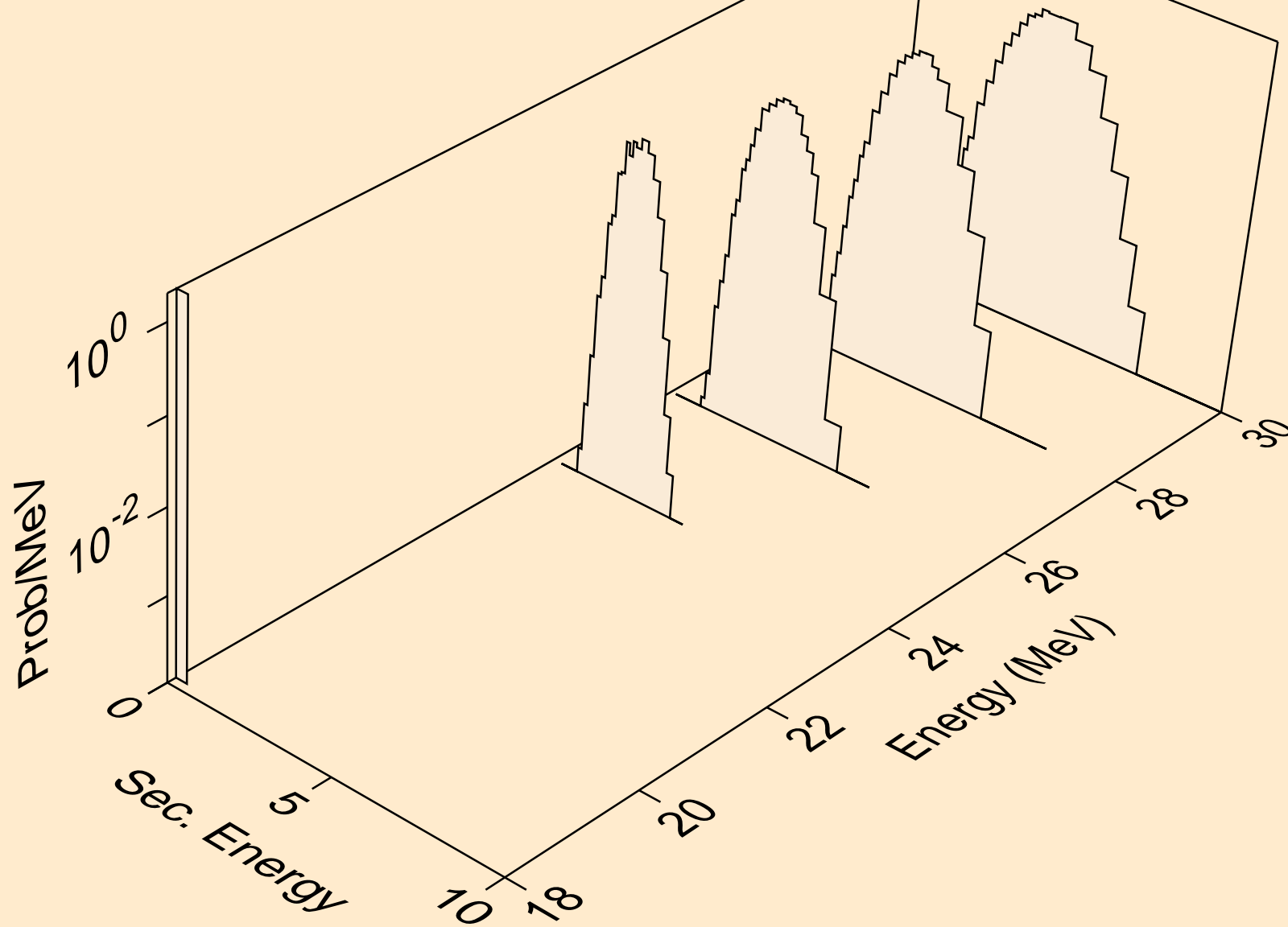
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deuterons from (n,d)



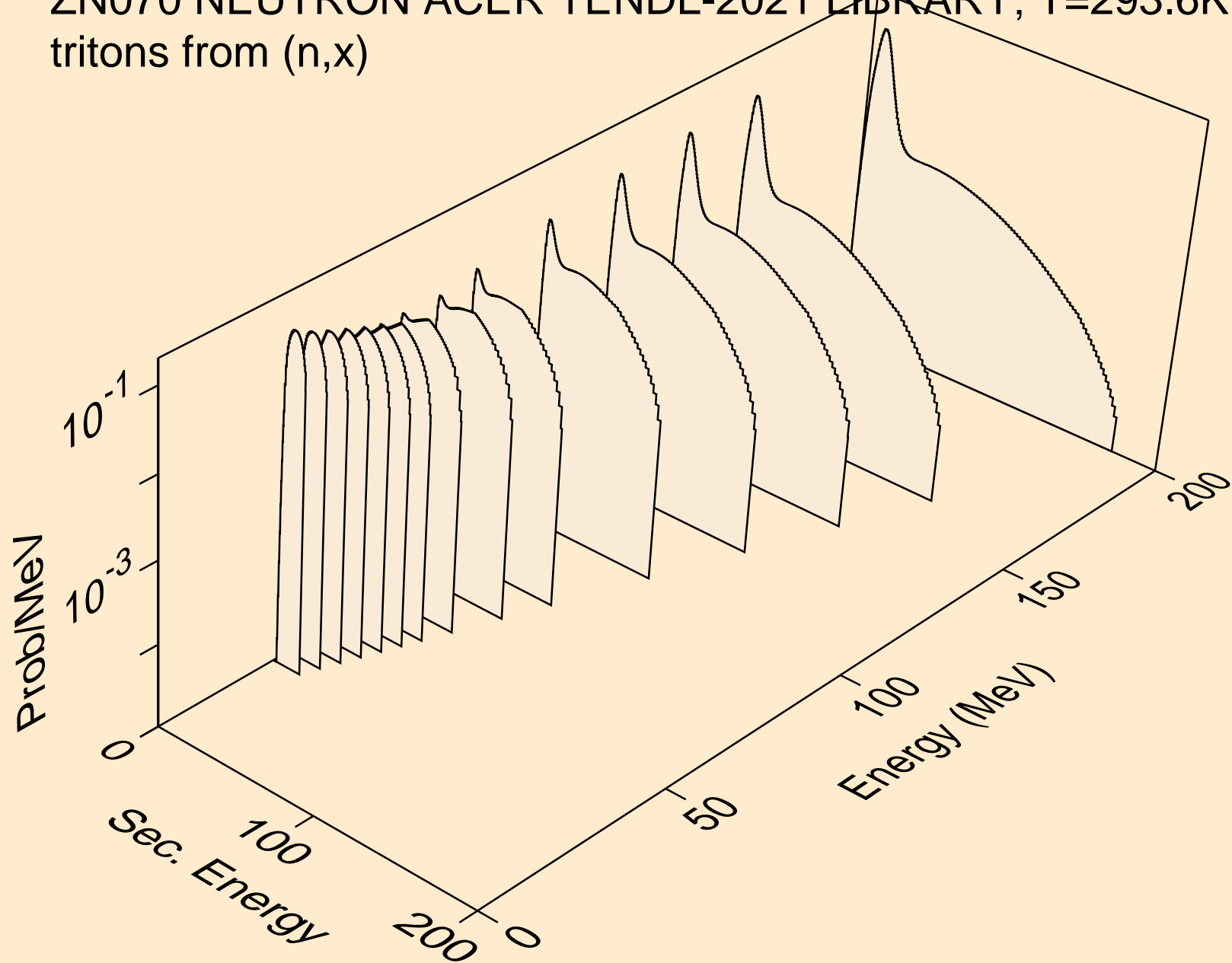
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deuterons from (n,pd)



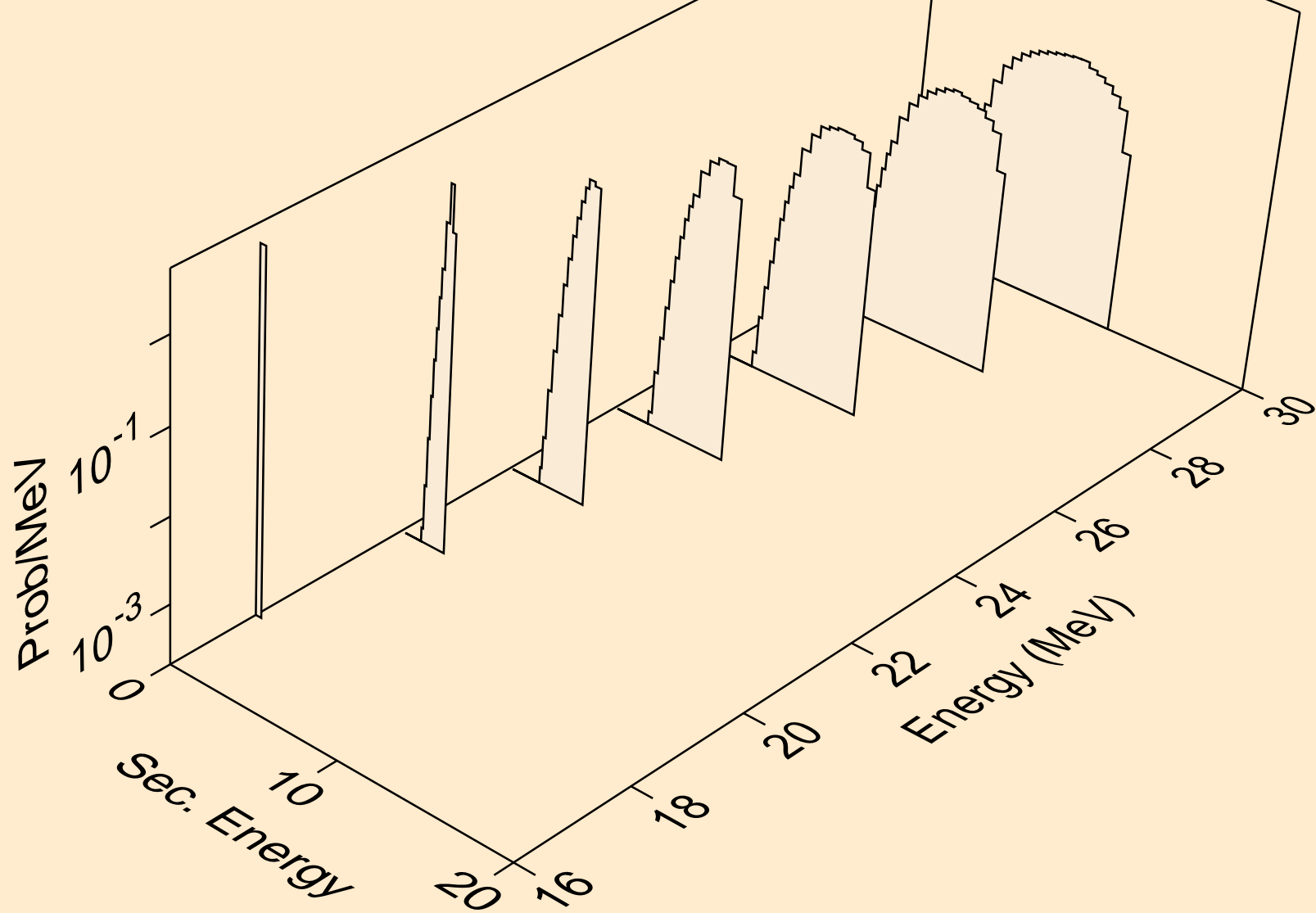
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deuterons from (n,da)



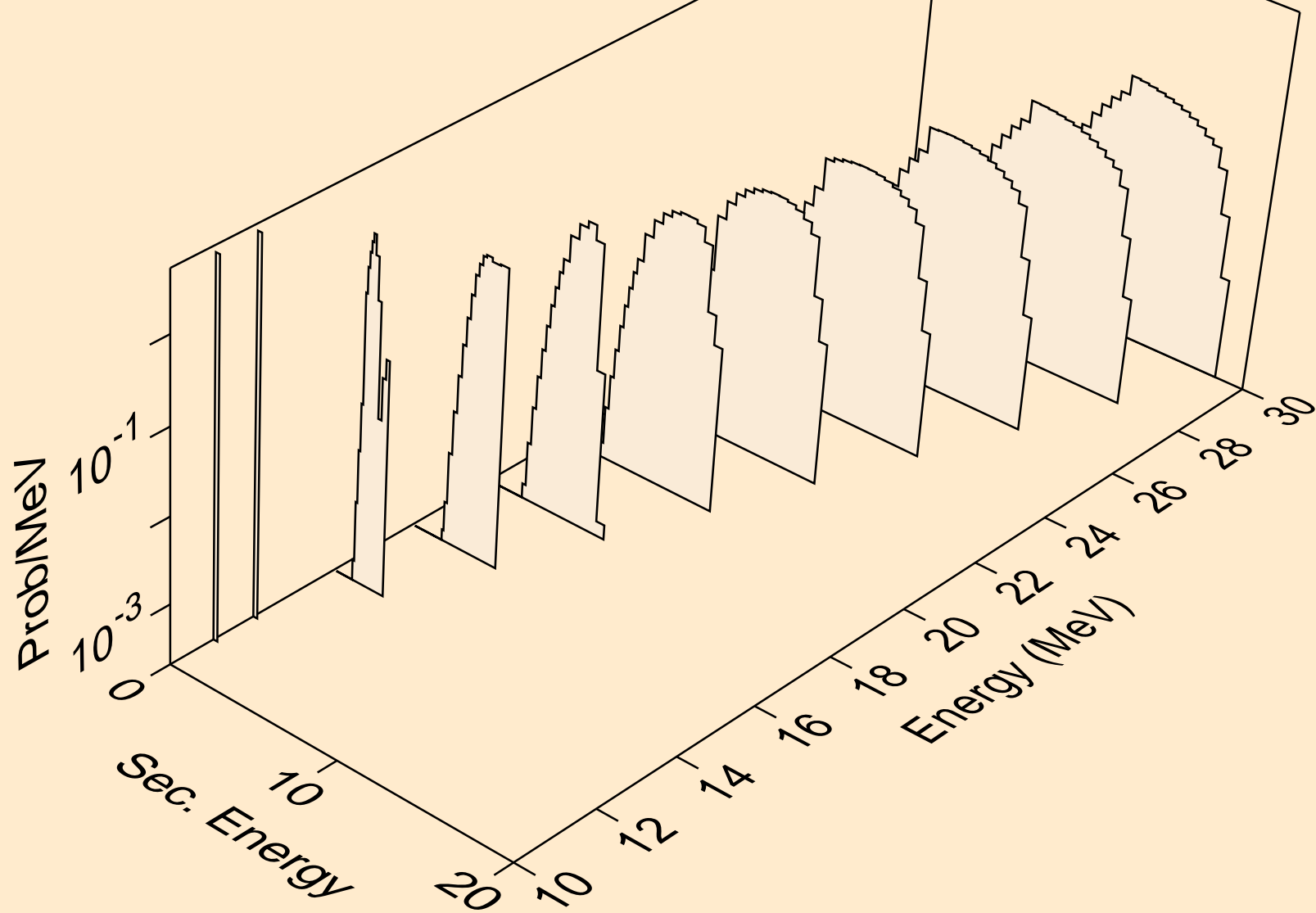
ZN070 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,x)



ZN070 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,n\*)t

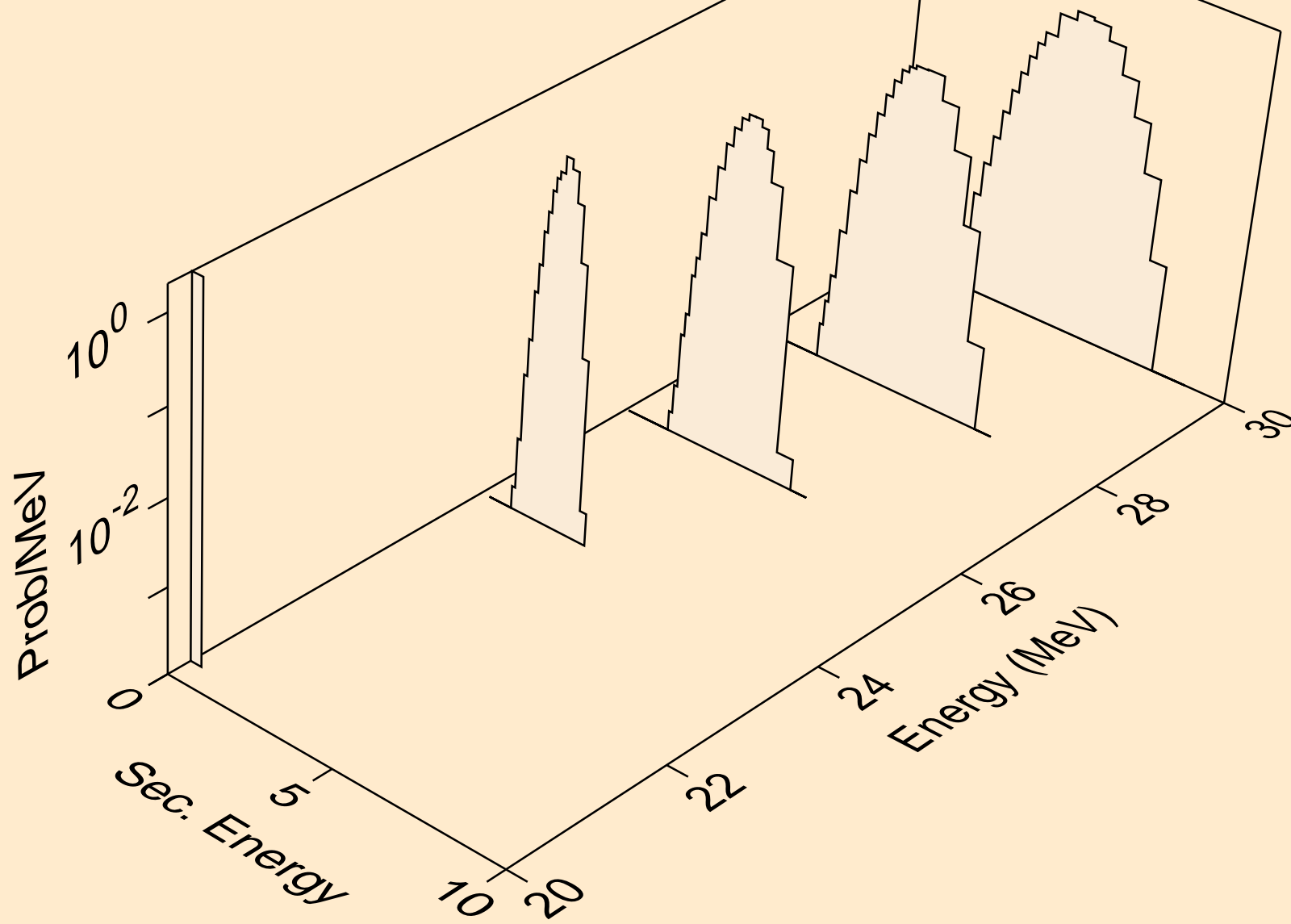


ZN070 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
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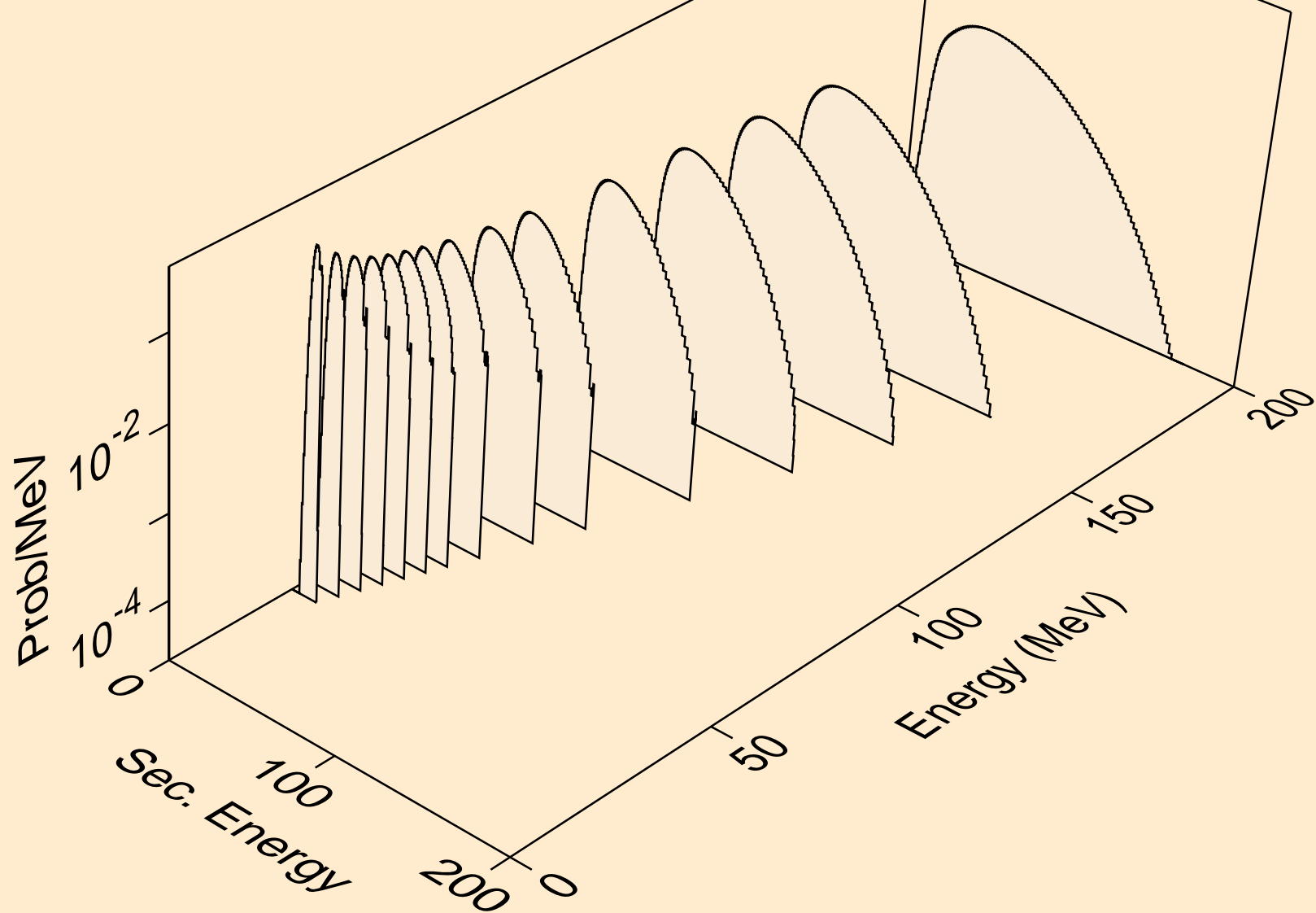




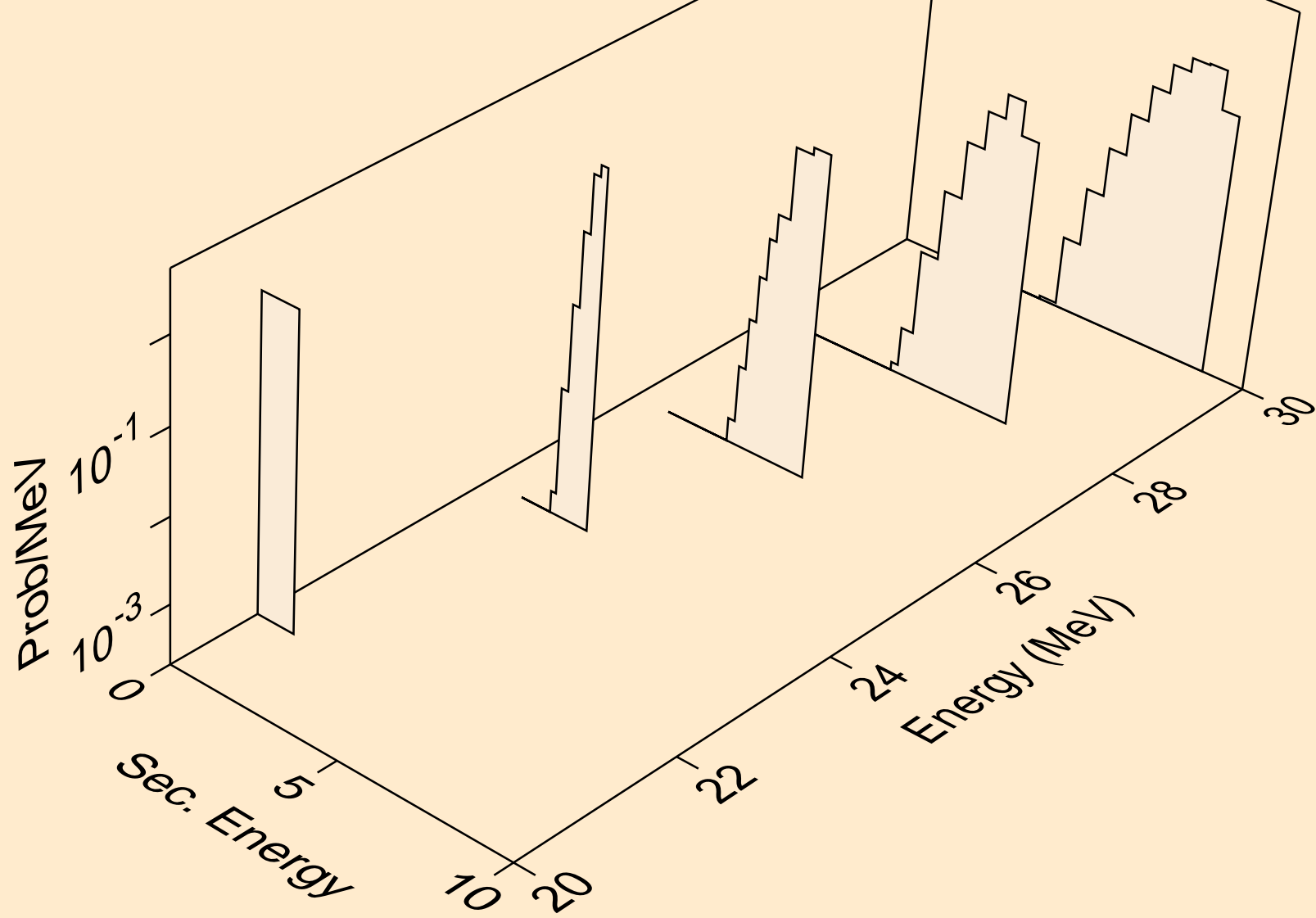
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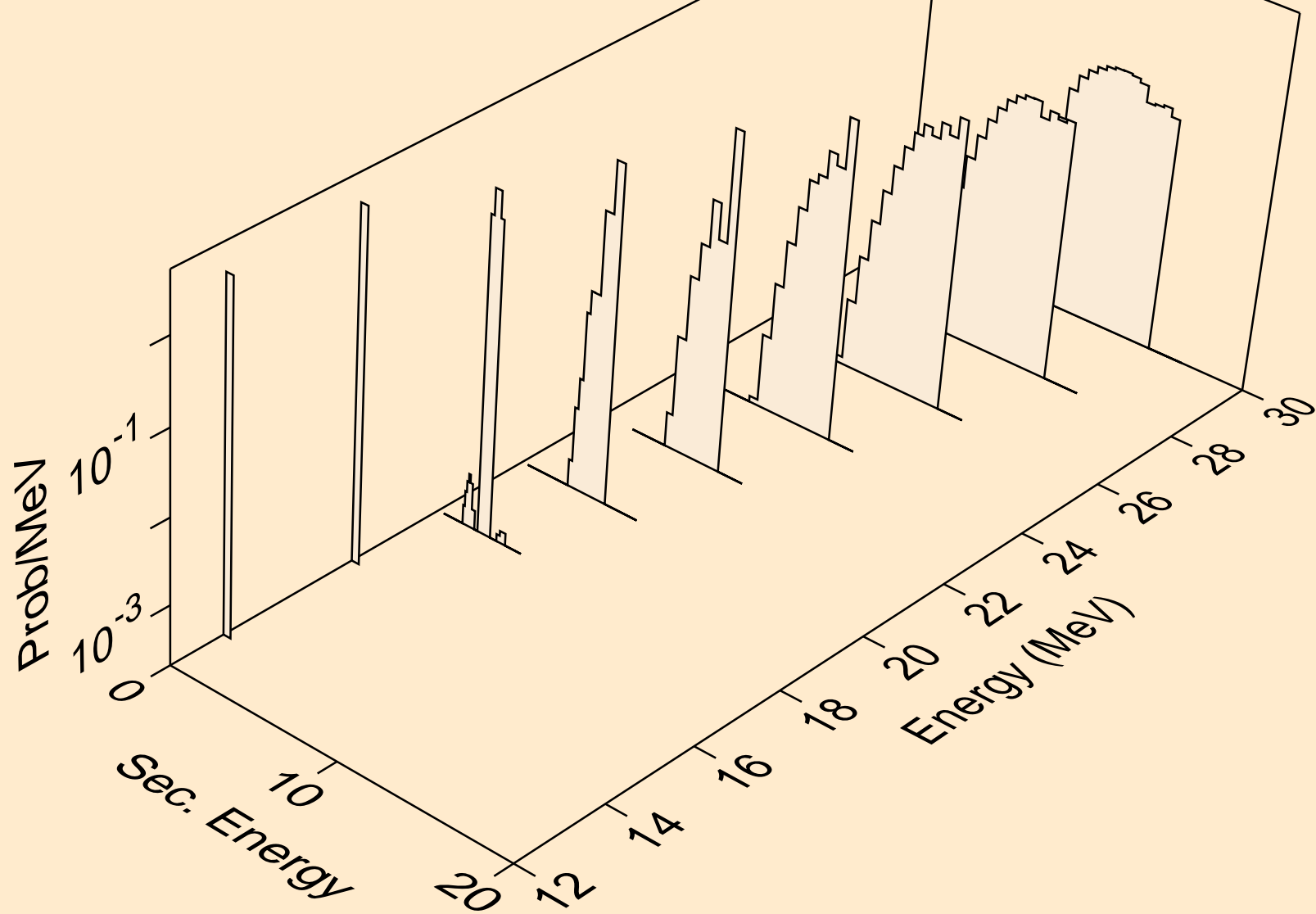
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he3s from (n,x)



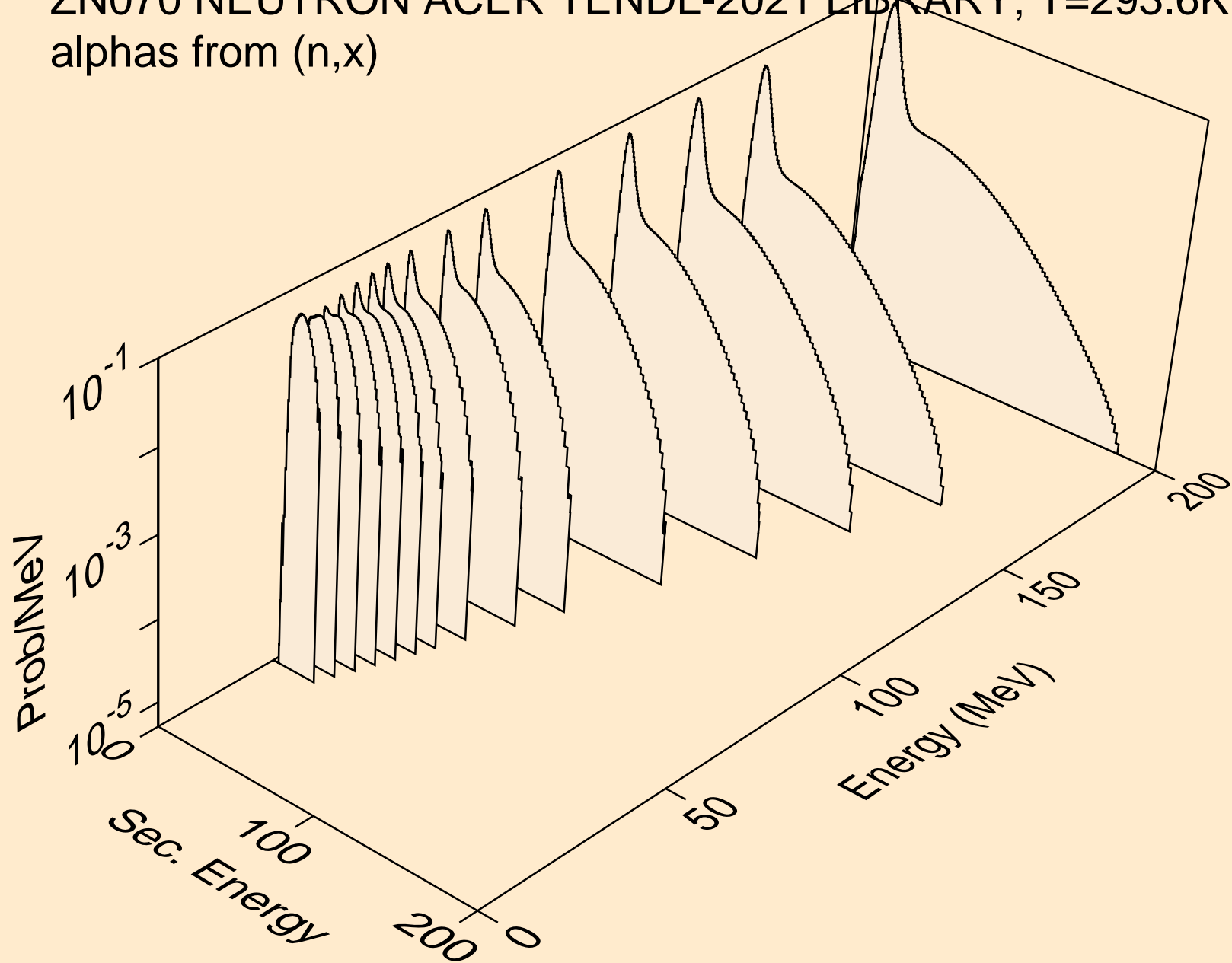
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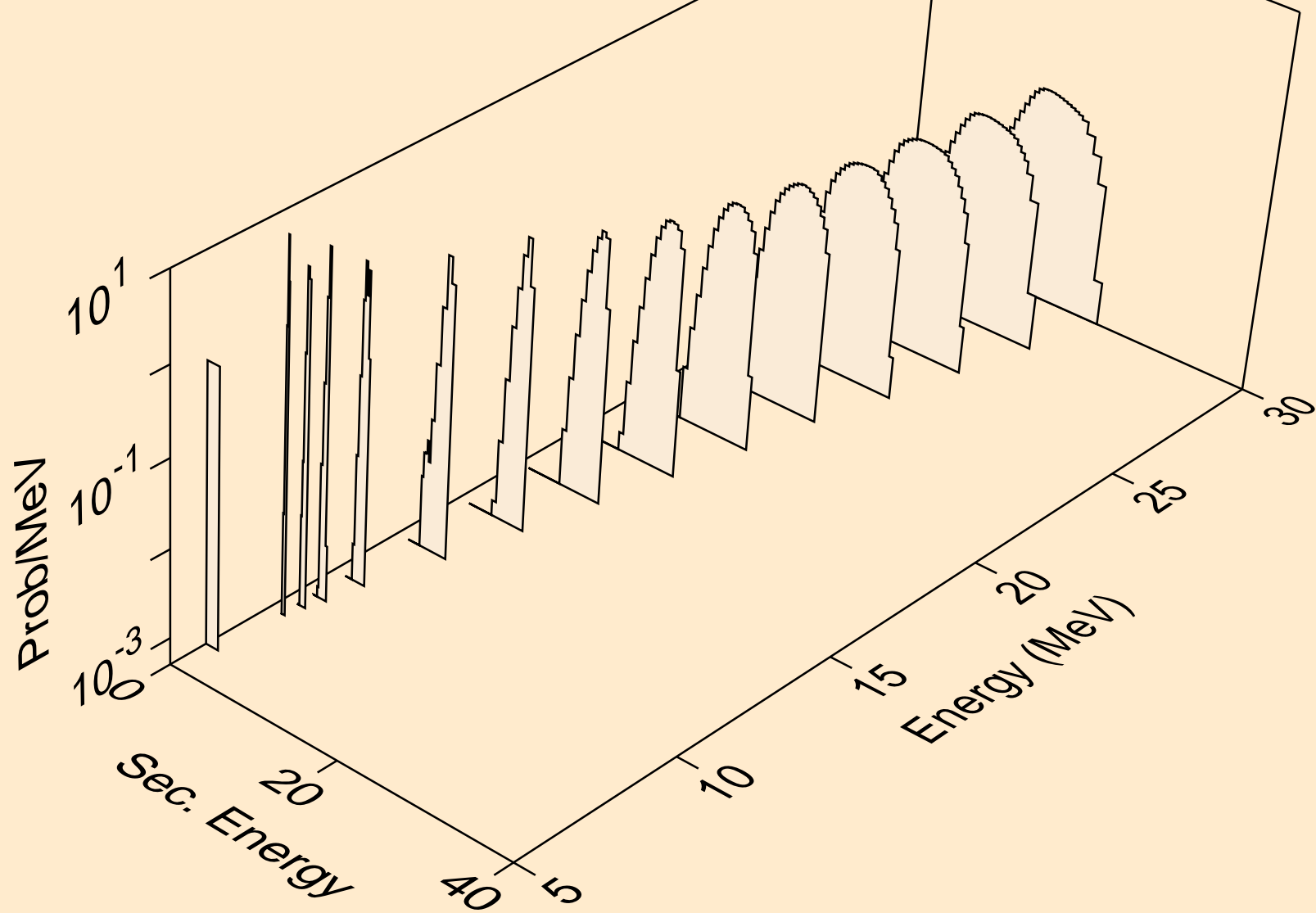
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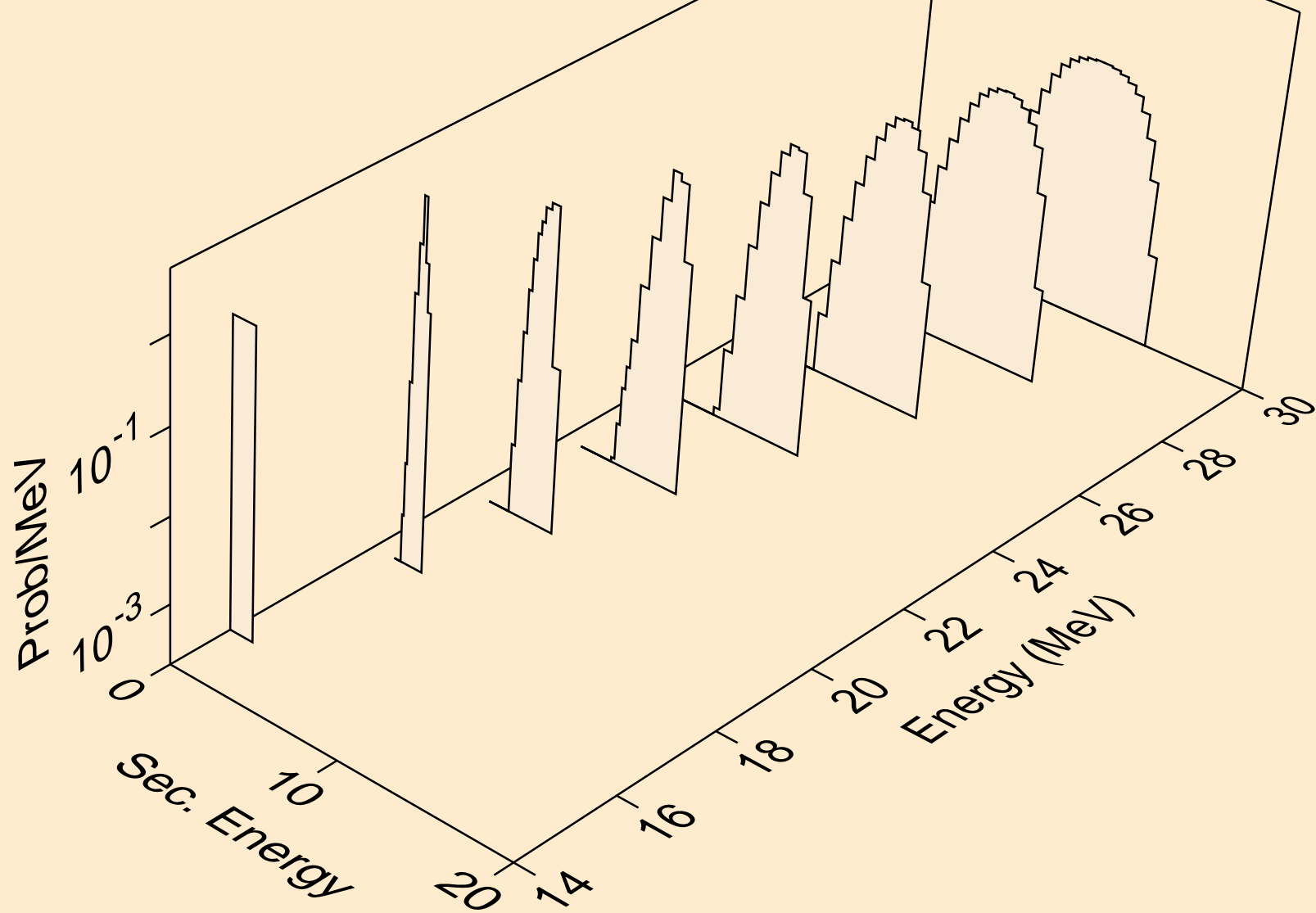
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alphas from (n,x)



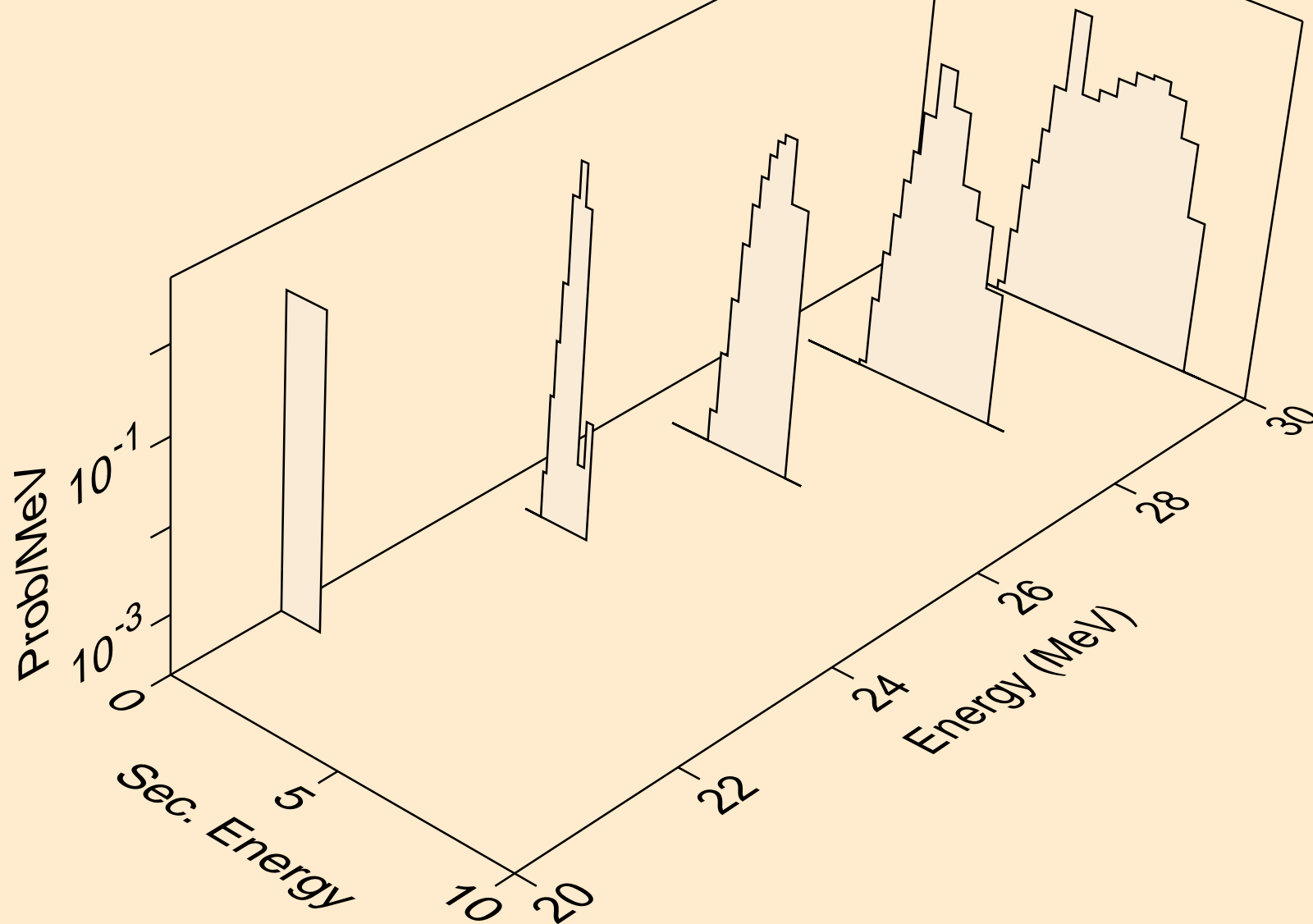
ZN070 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,n\*)a



ZN070 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2n)a

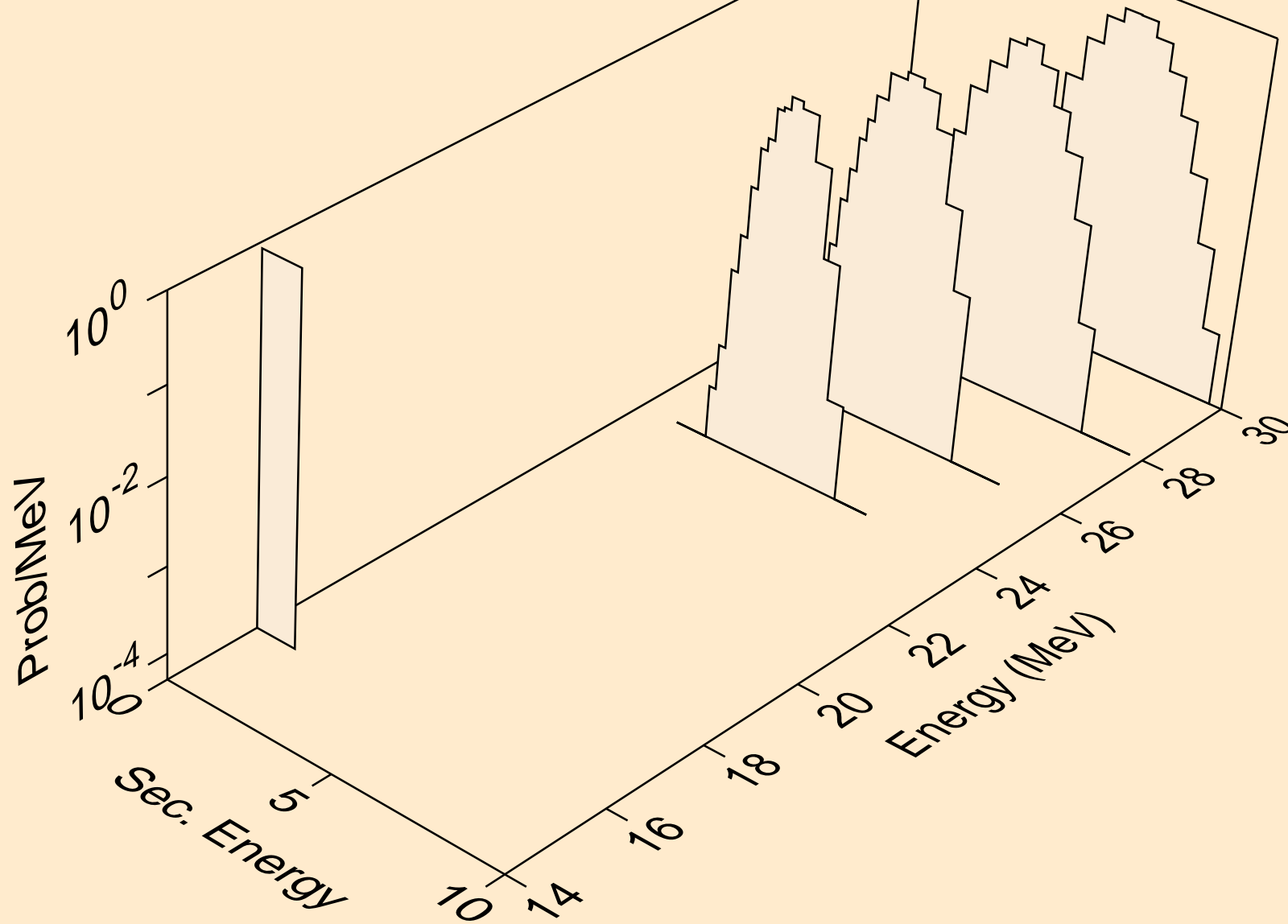


ZN070 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,3n)a

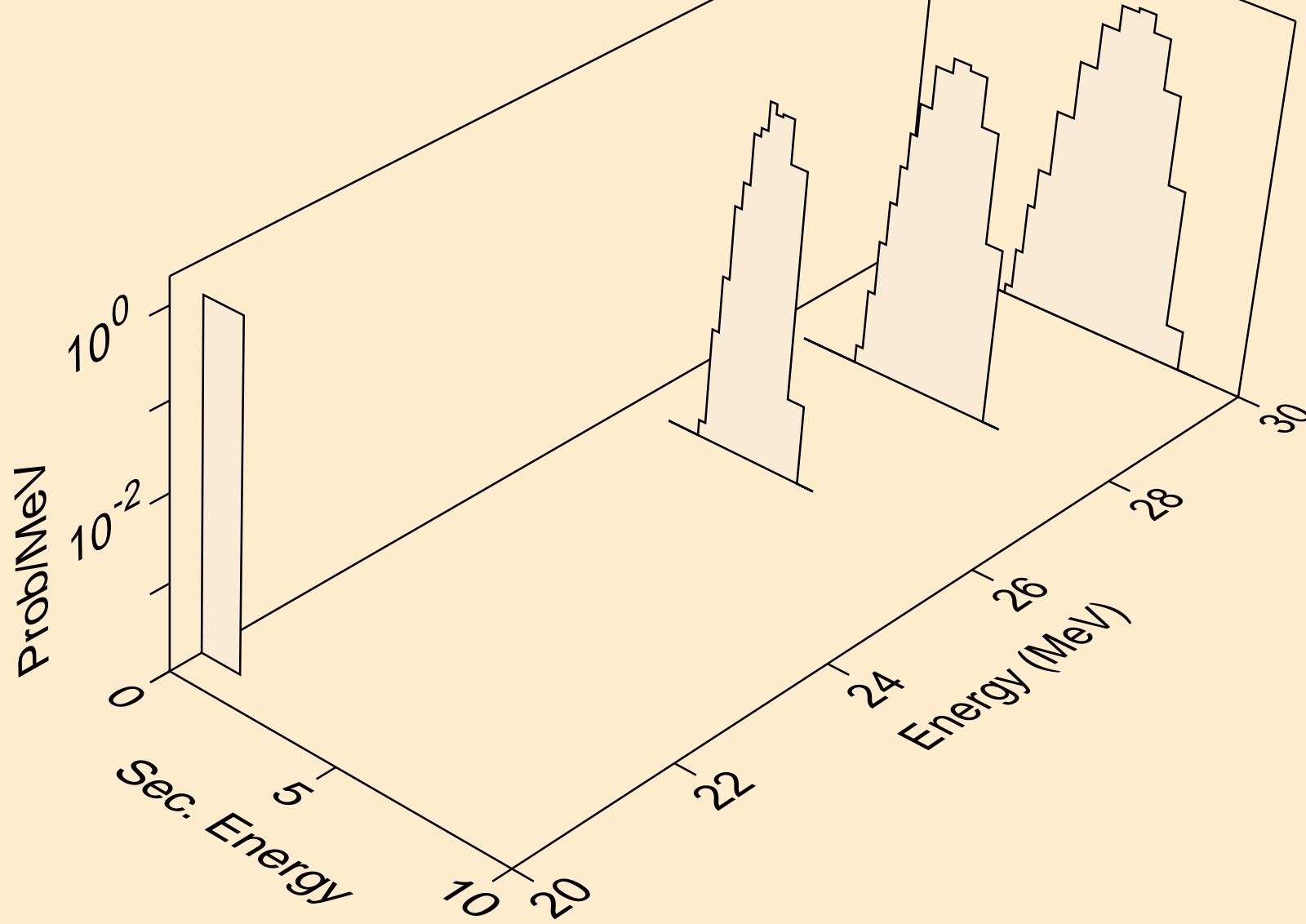




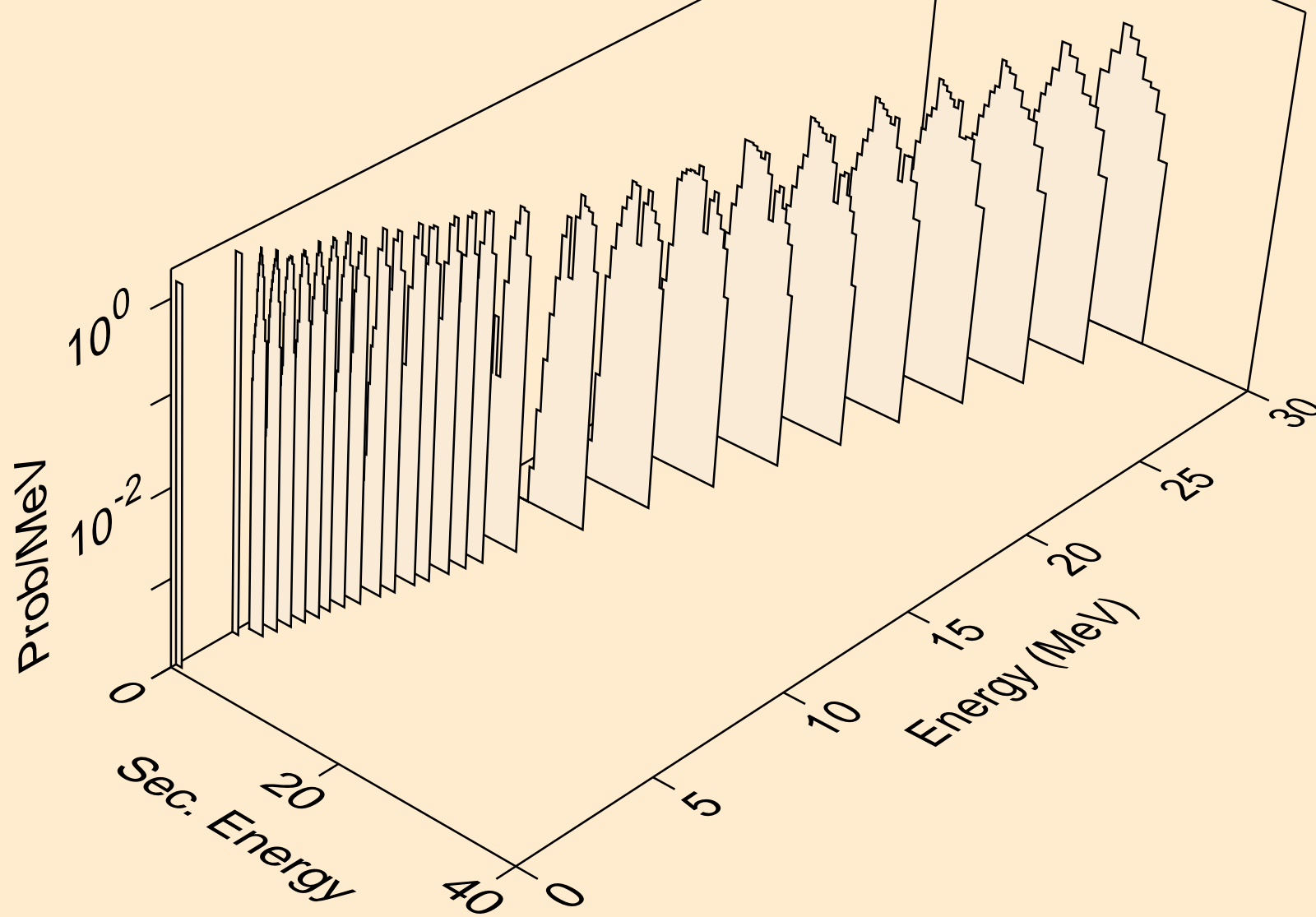
ZN070 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,n\*)2a



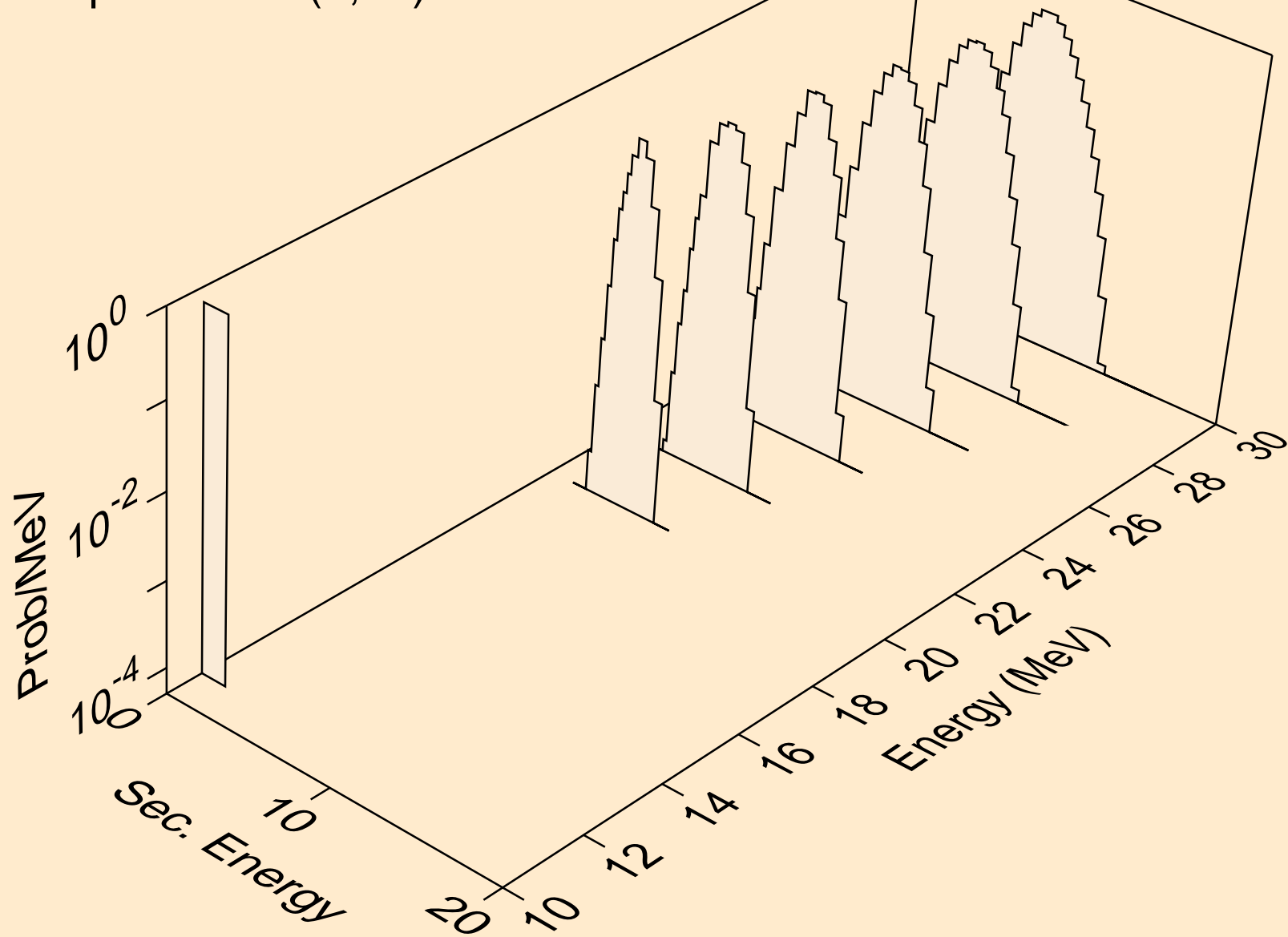
ZN070 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,npa)



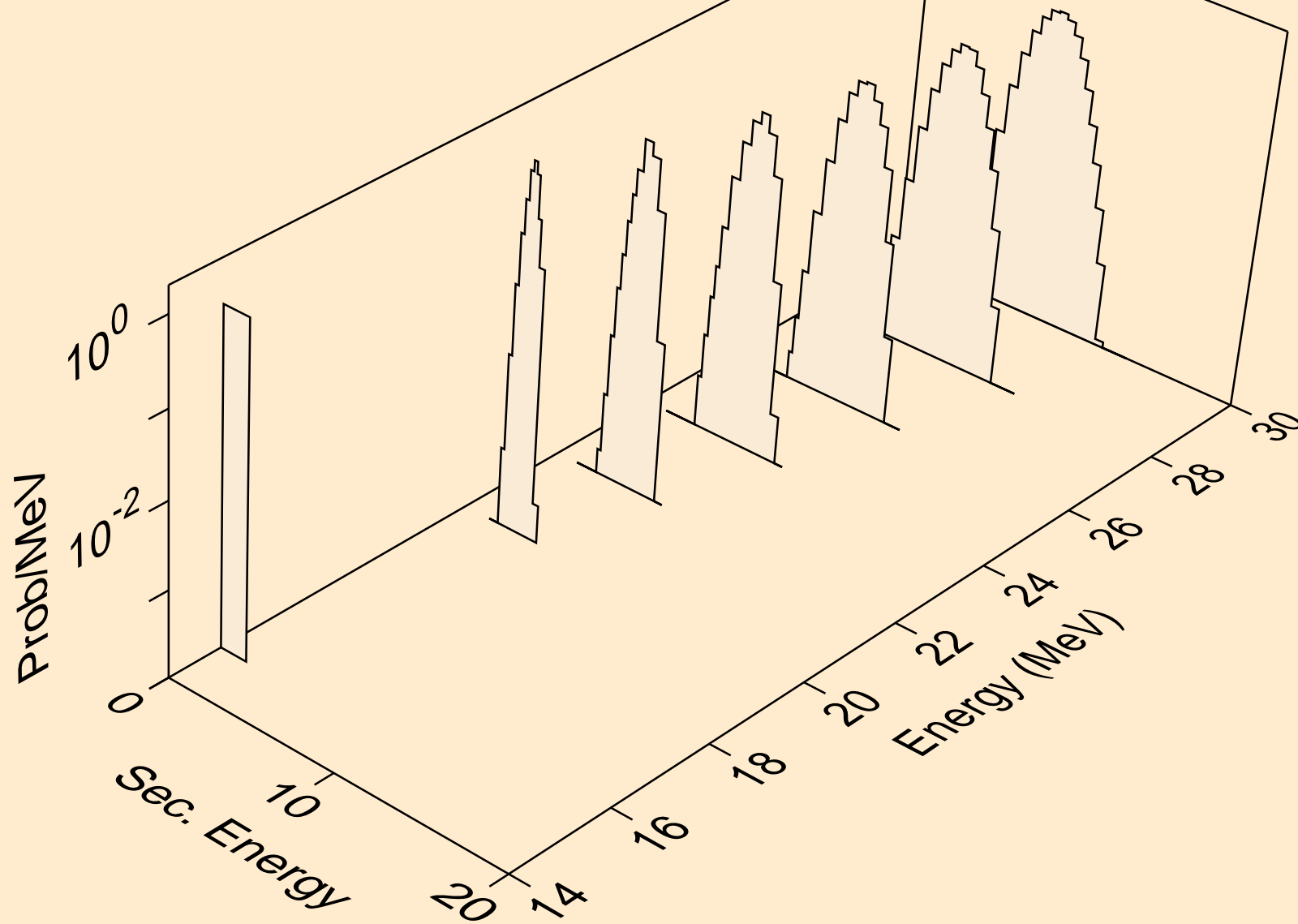
ZN070 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,a)



ZN070 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2a)



ZN070 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,pa)



ZN070 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,da)

