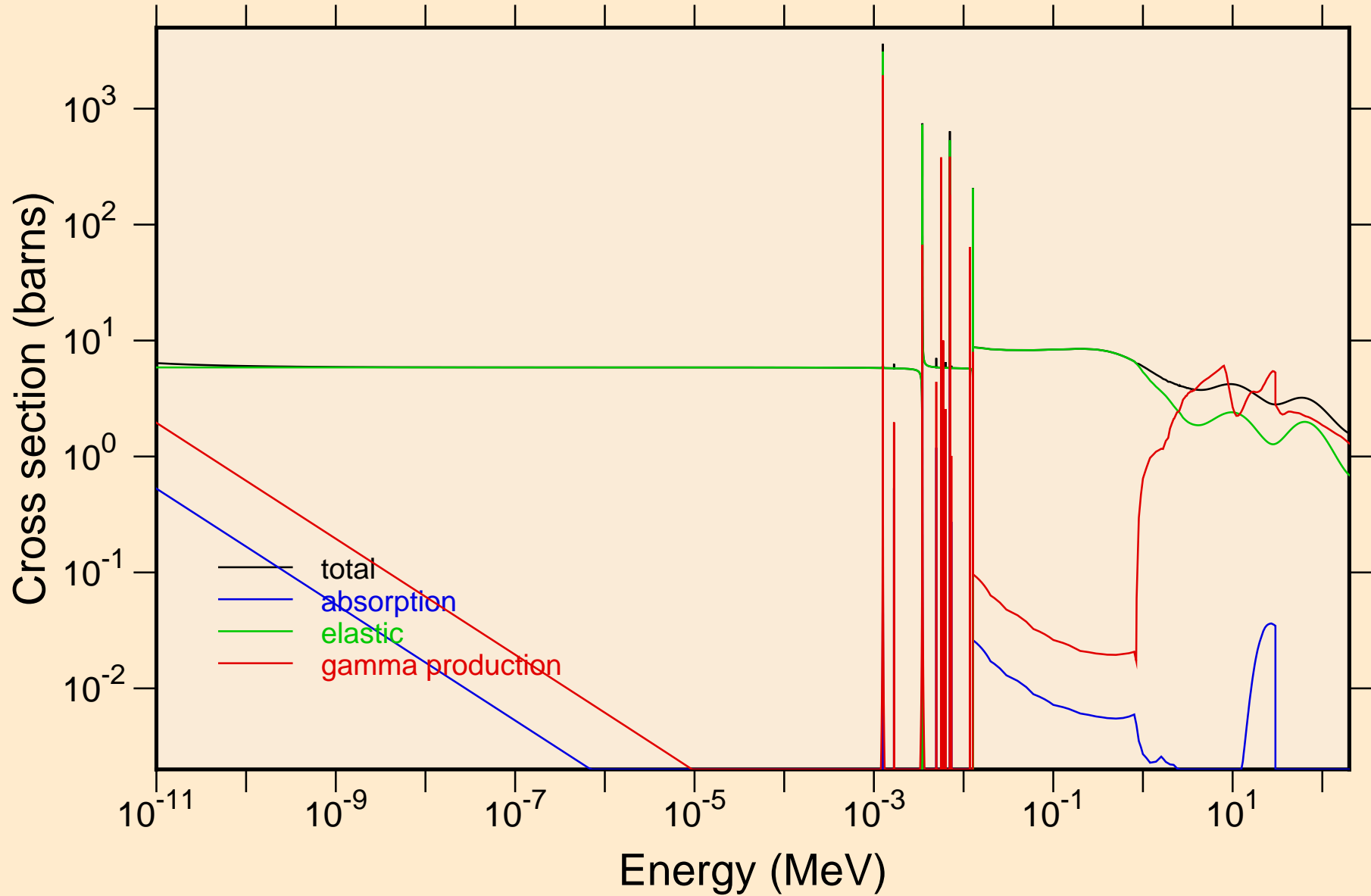
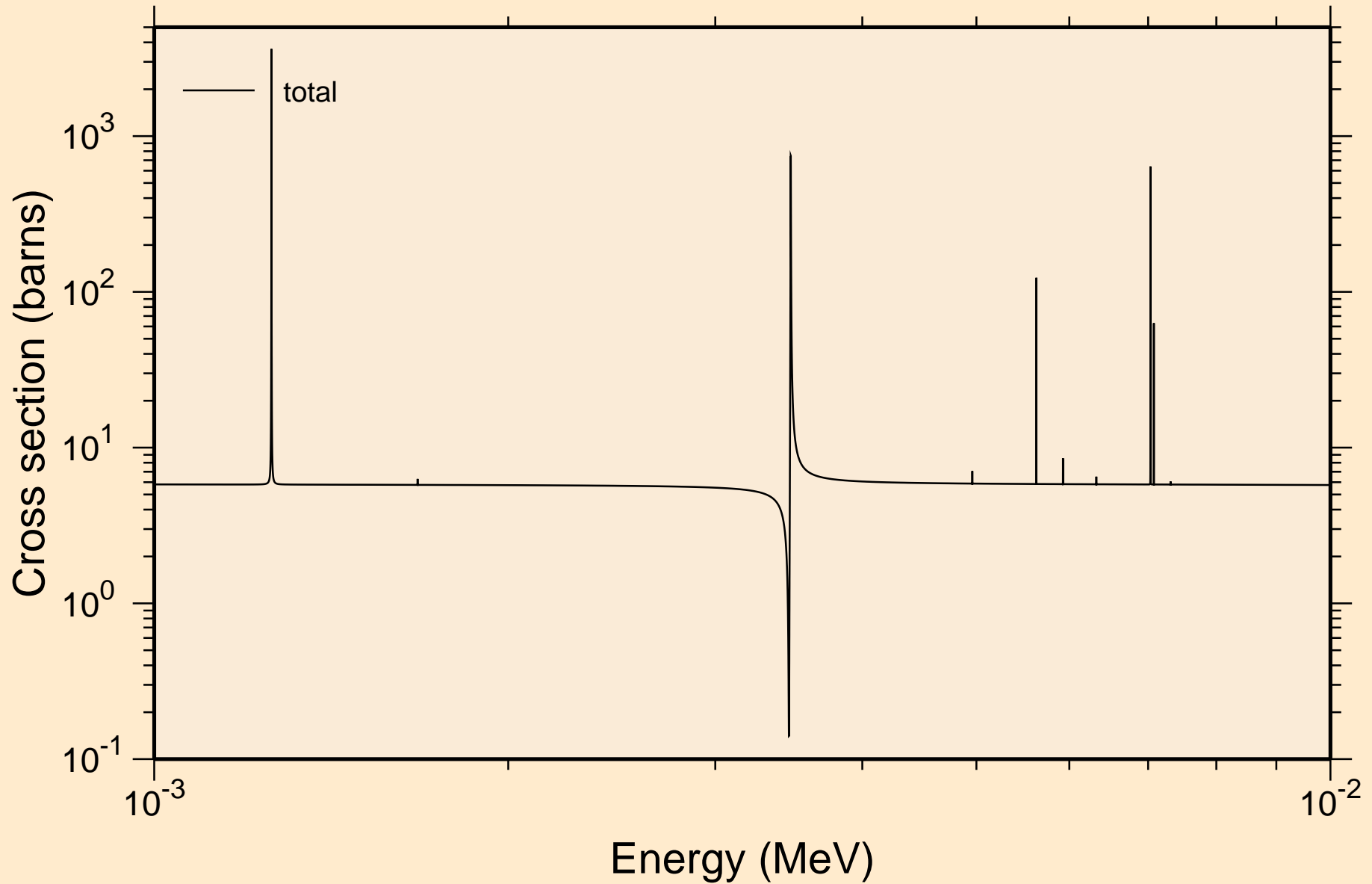


# SR090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

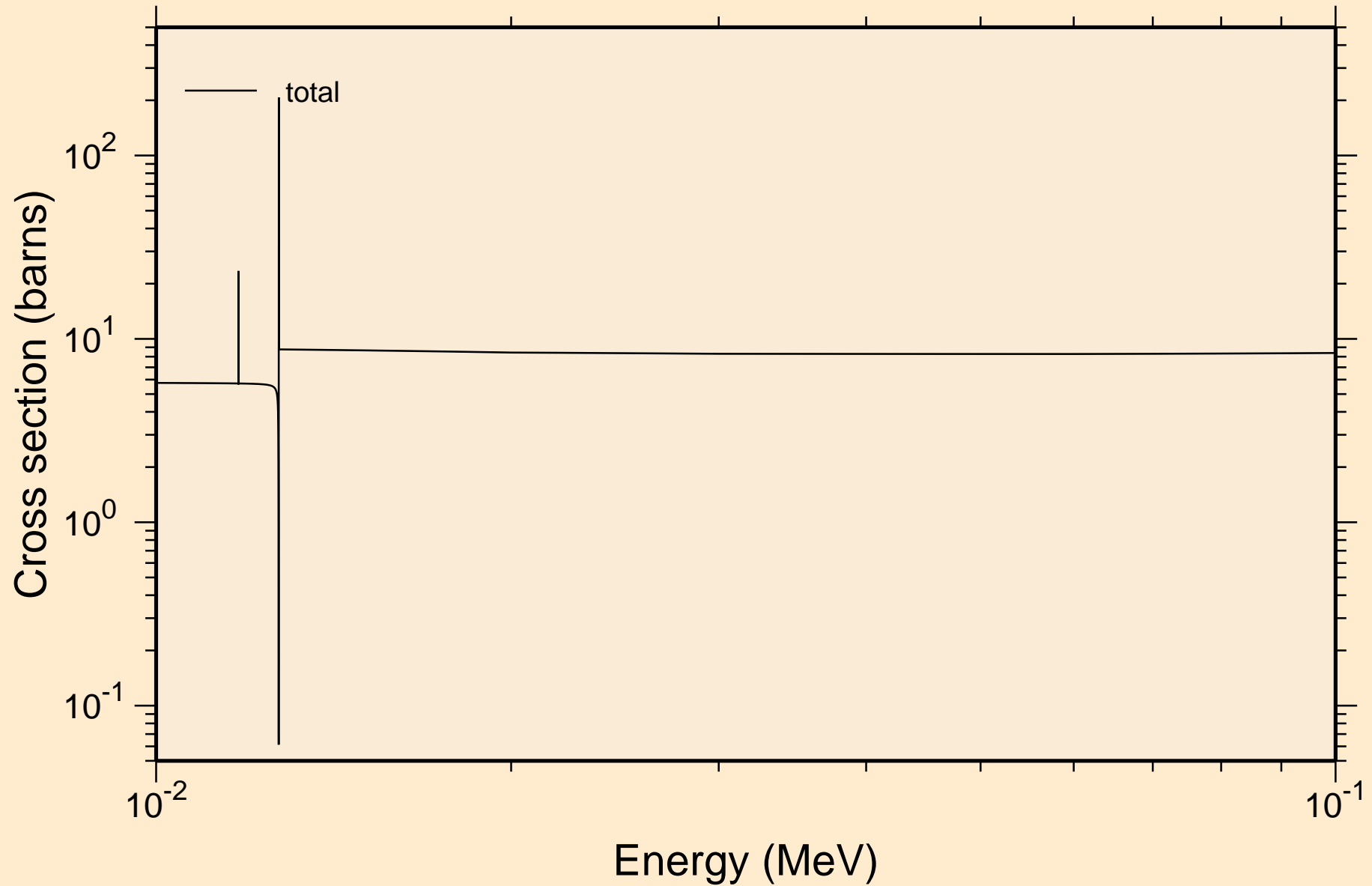
## Principal cross sections



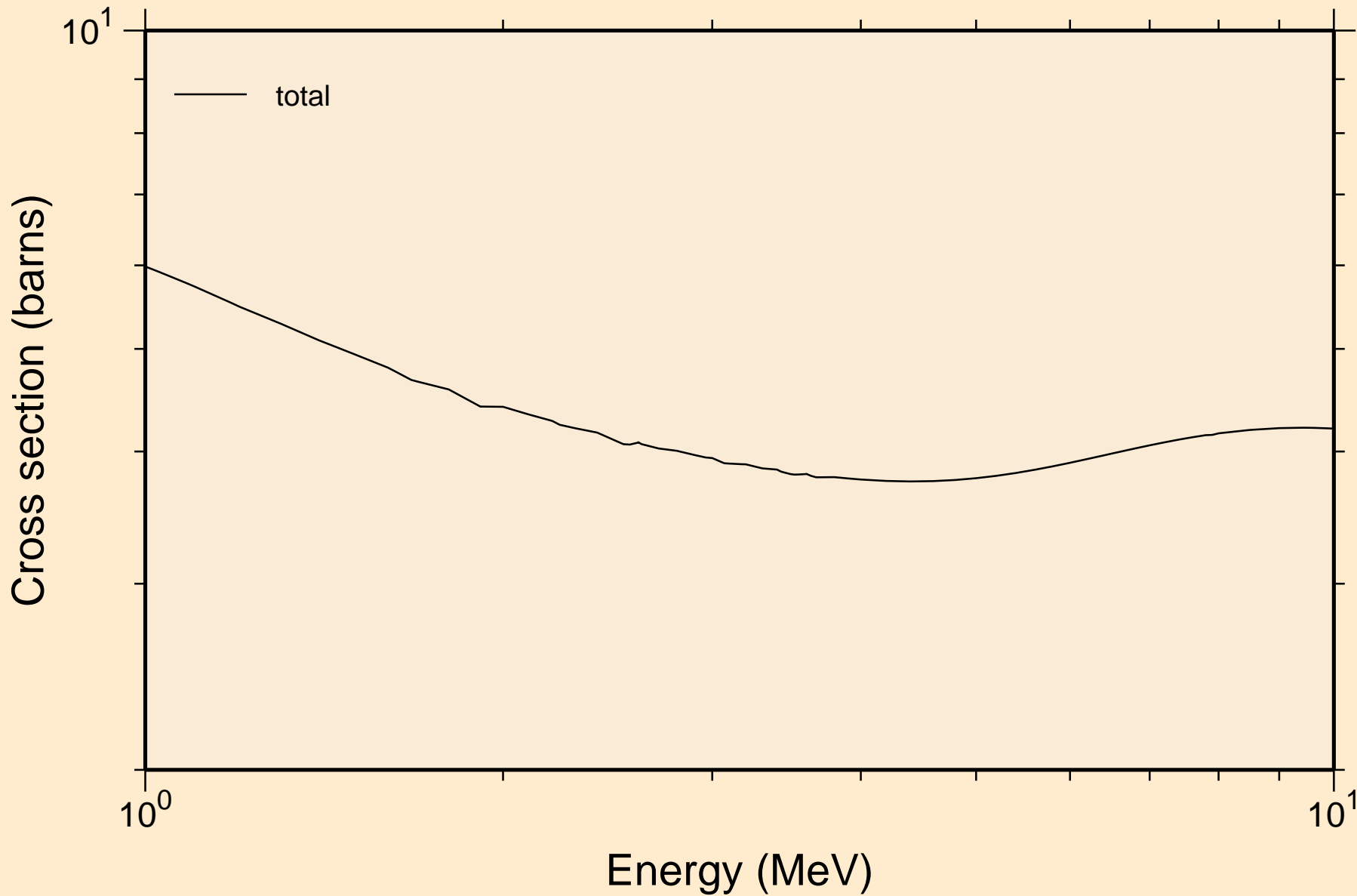
SR090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



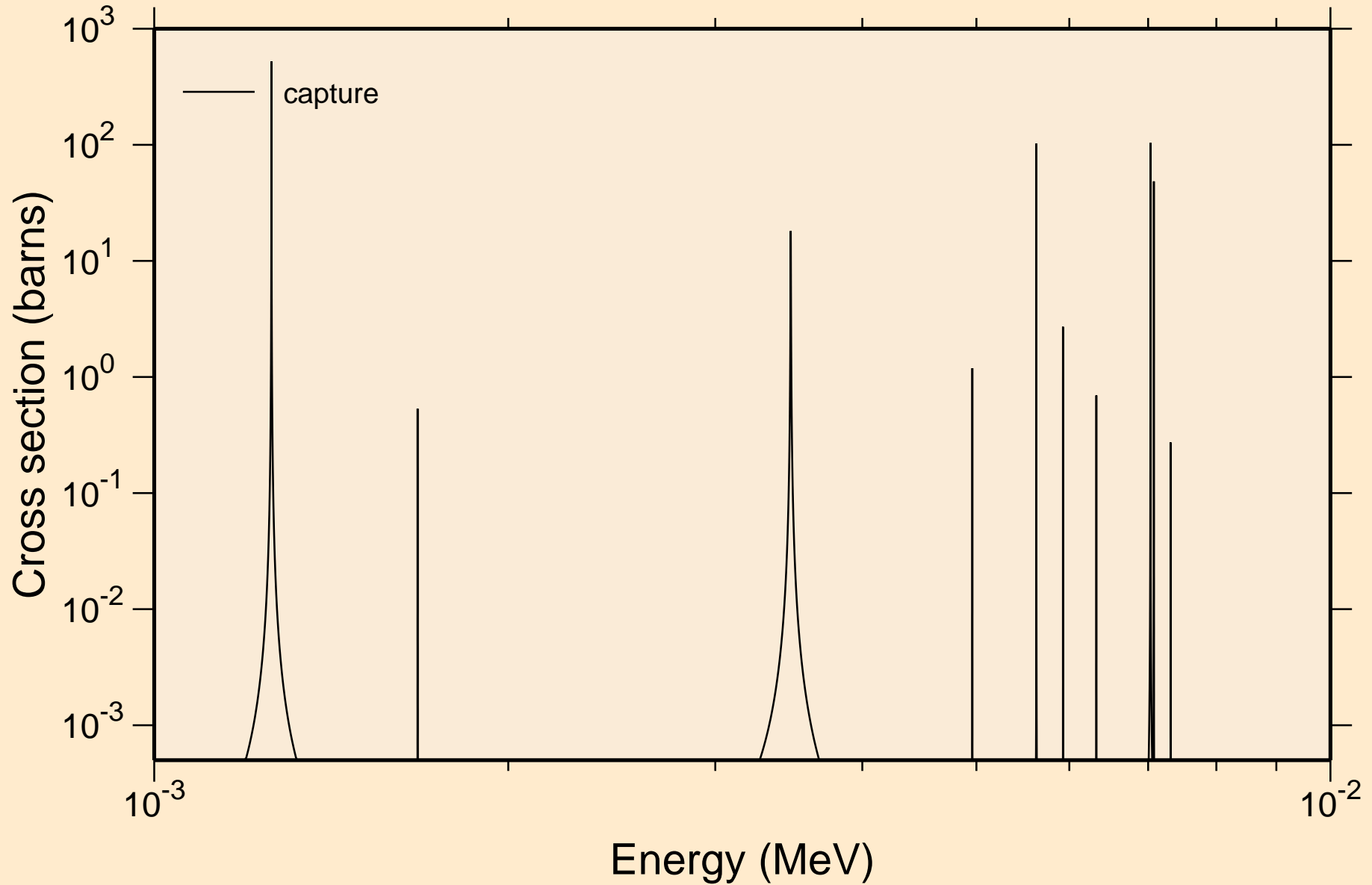
SR090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



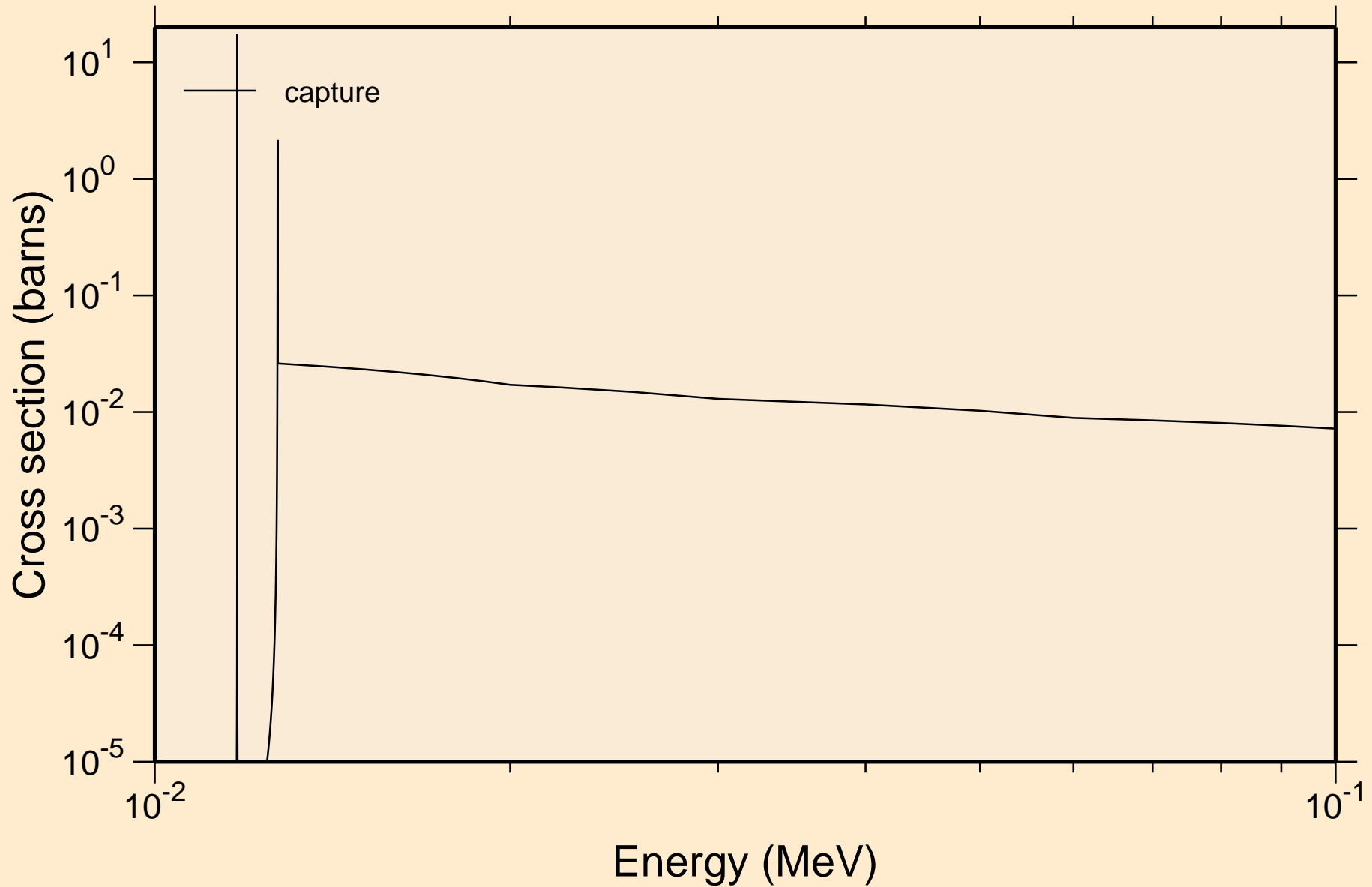
SR090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



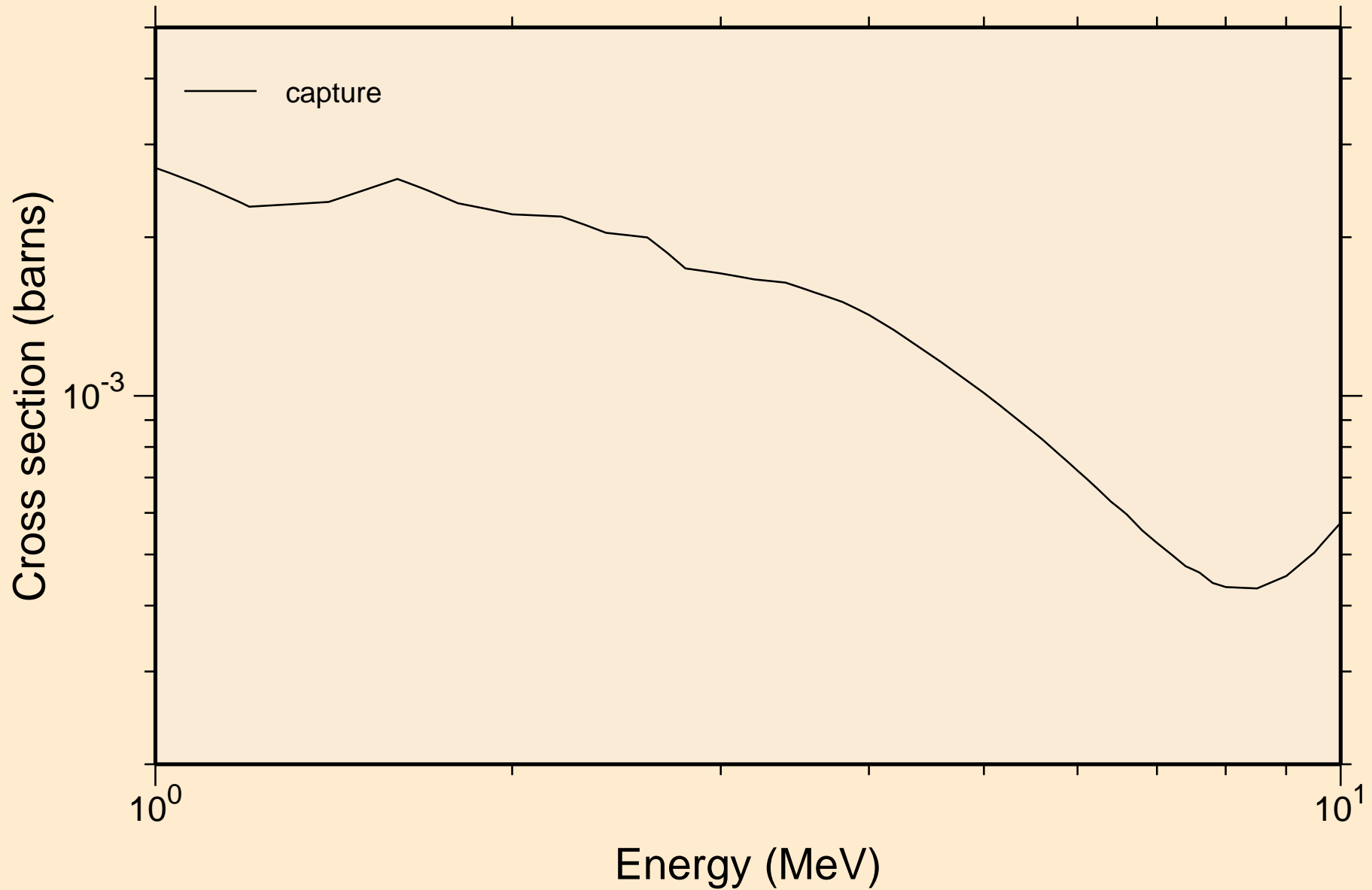
SR090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



SR090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

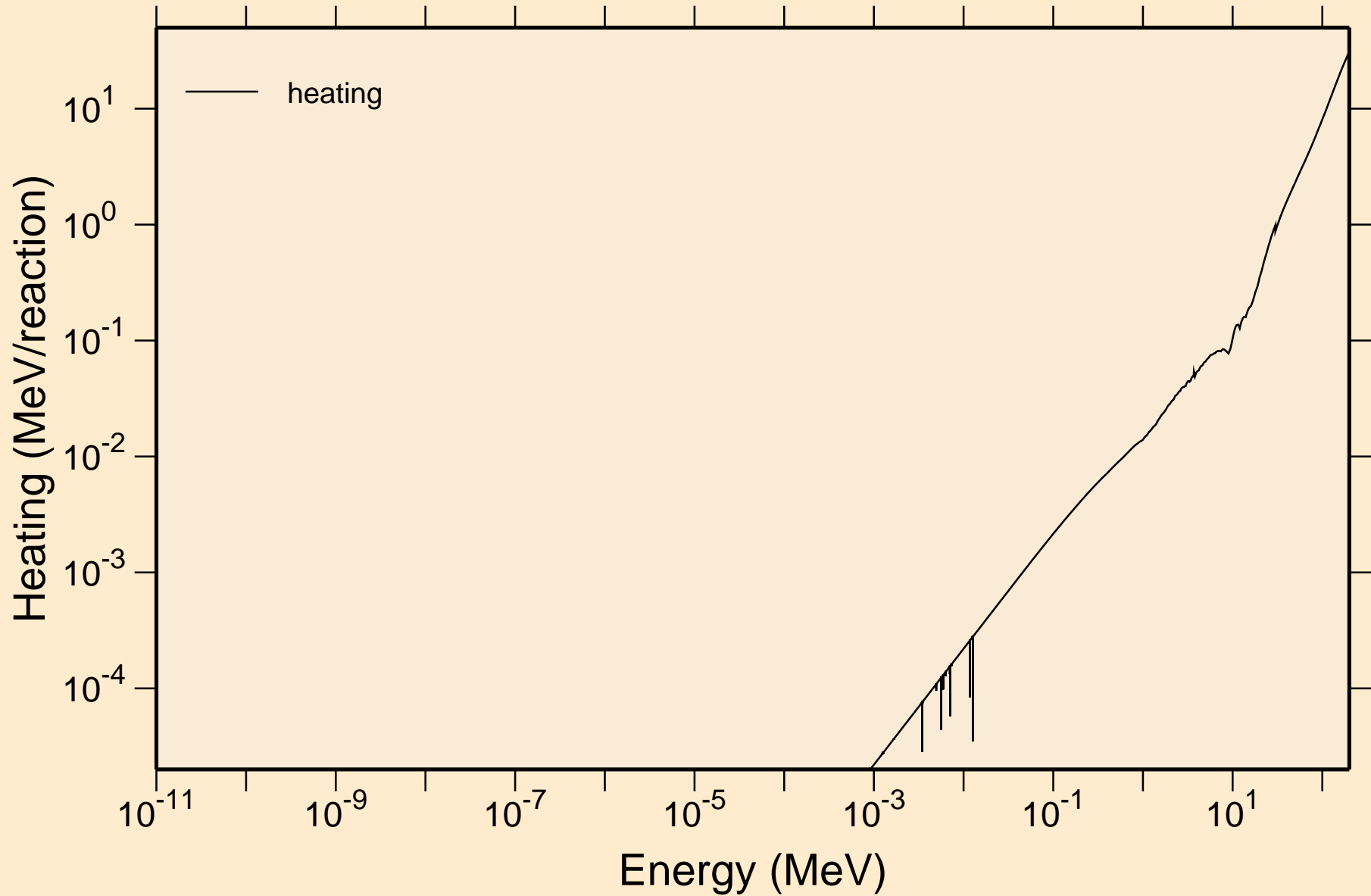


SR090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



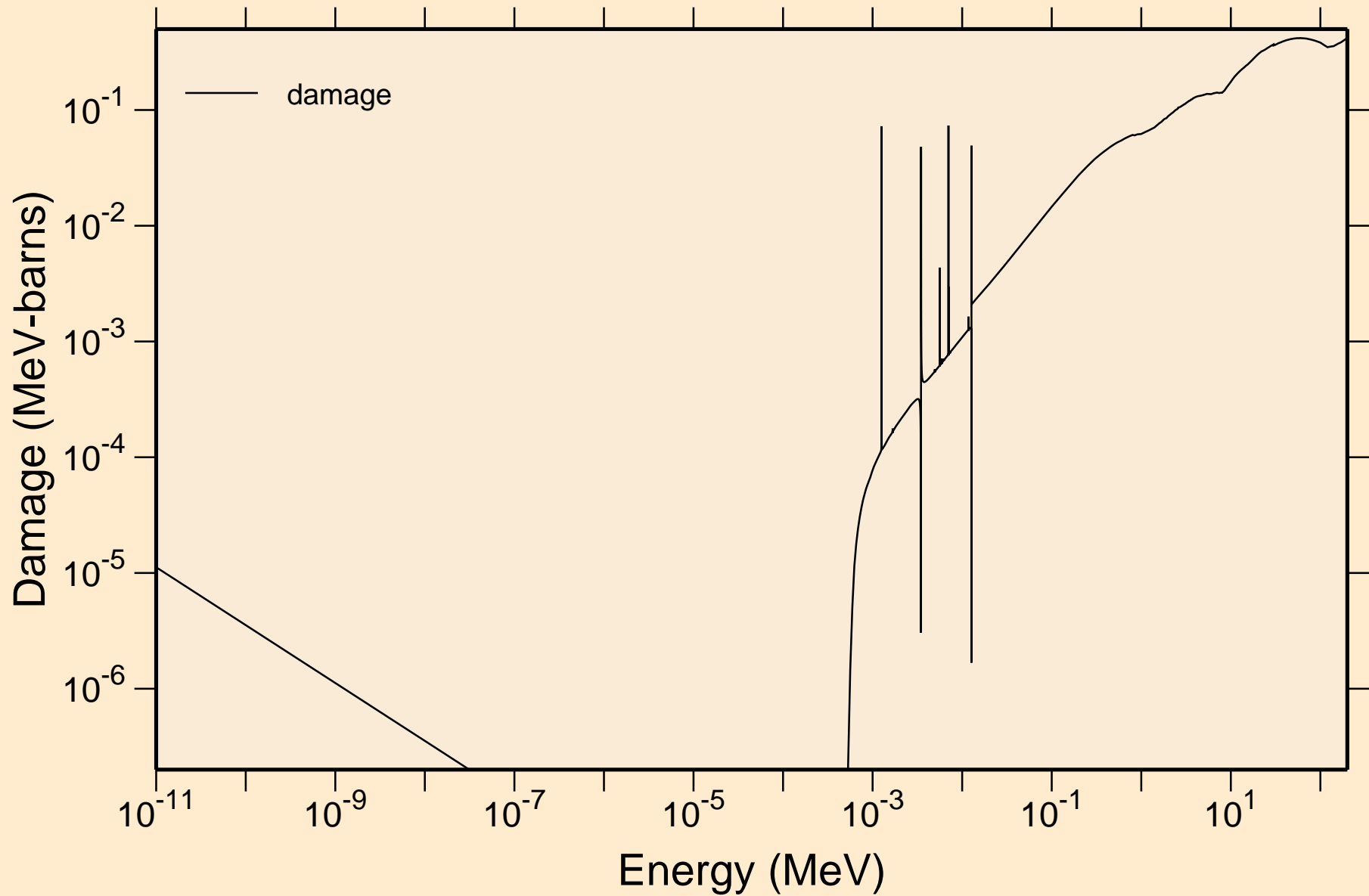
# SR090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Heating

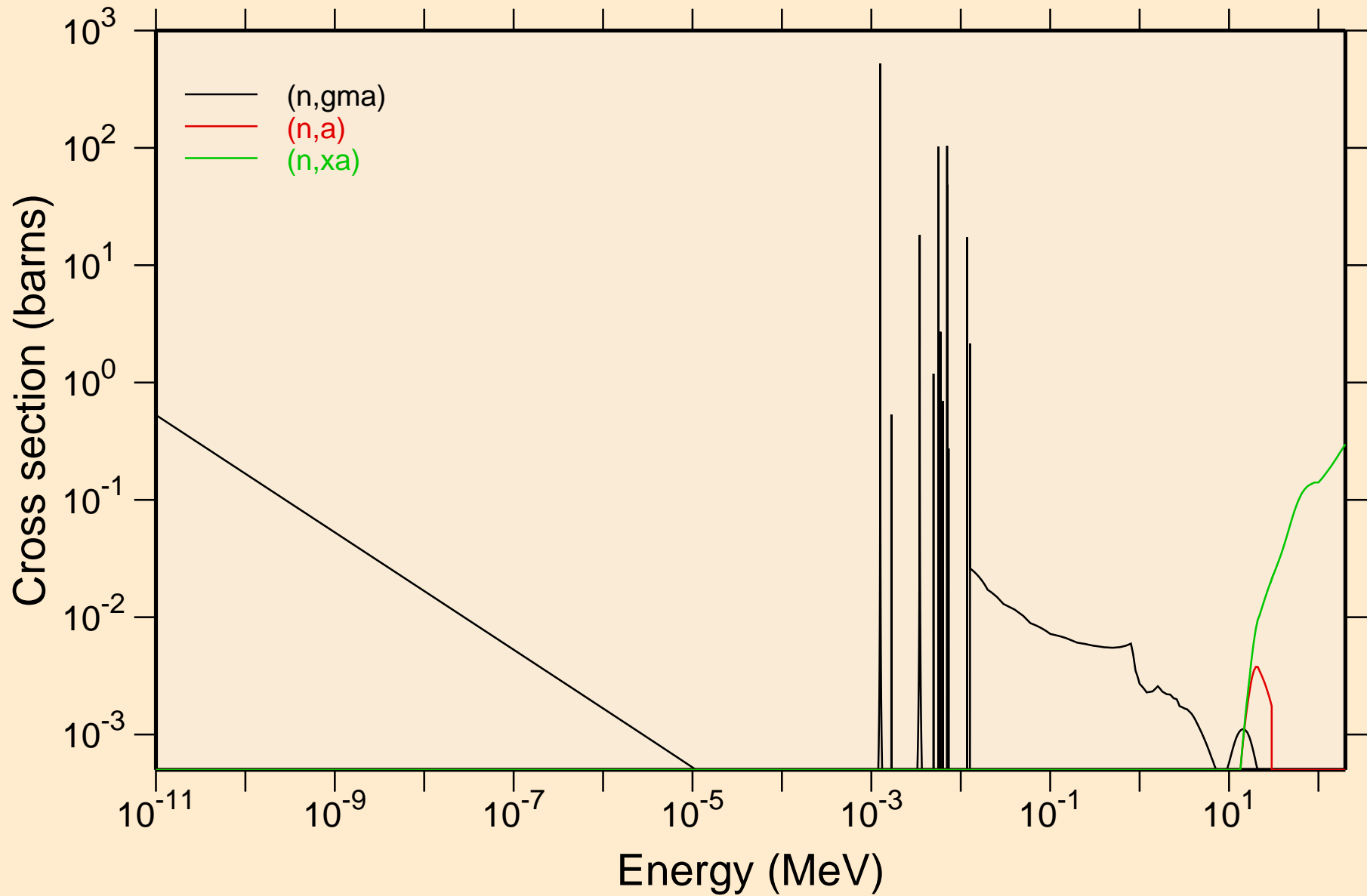




SR090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Damage

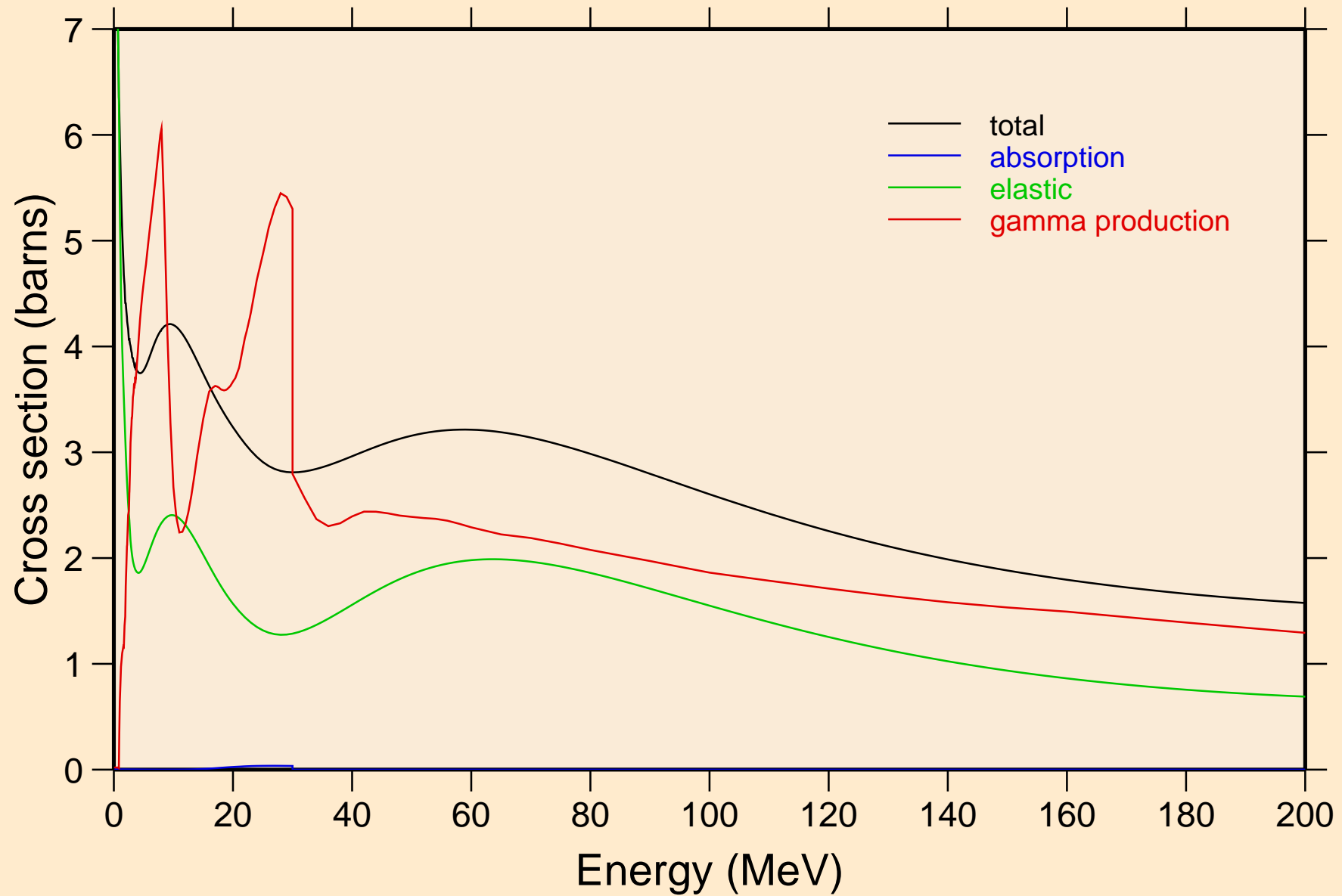


SR090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



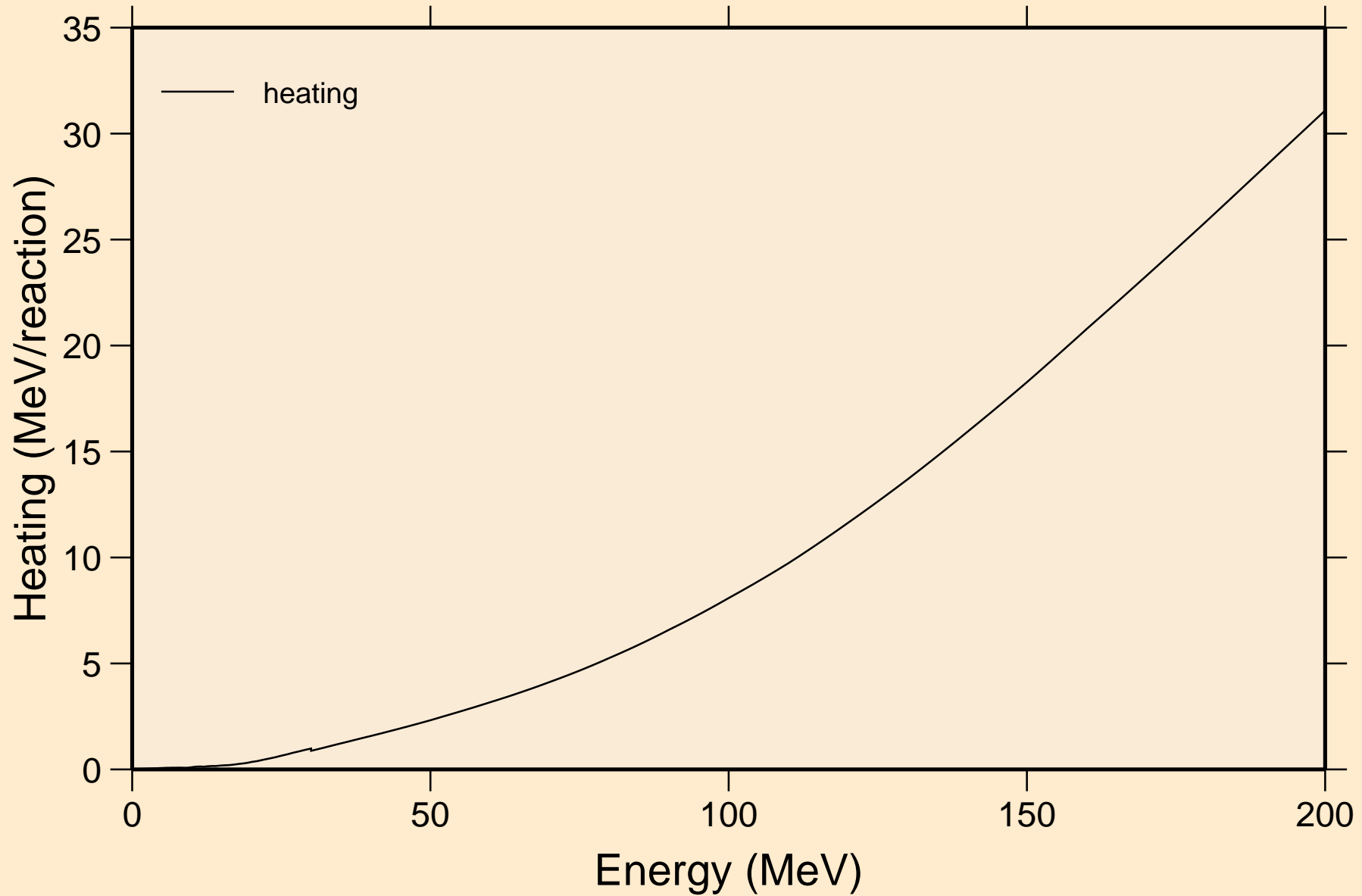
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## Principal cross sections



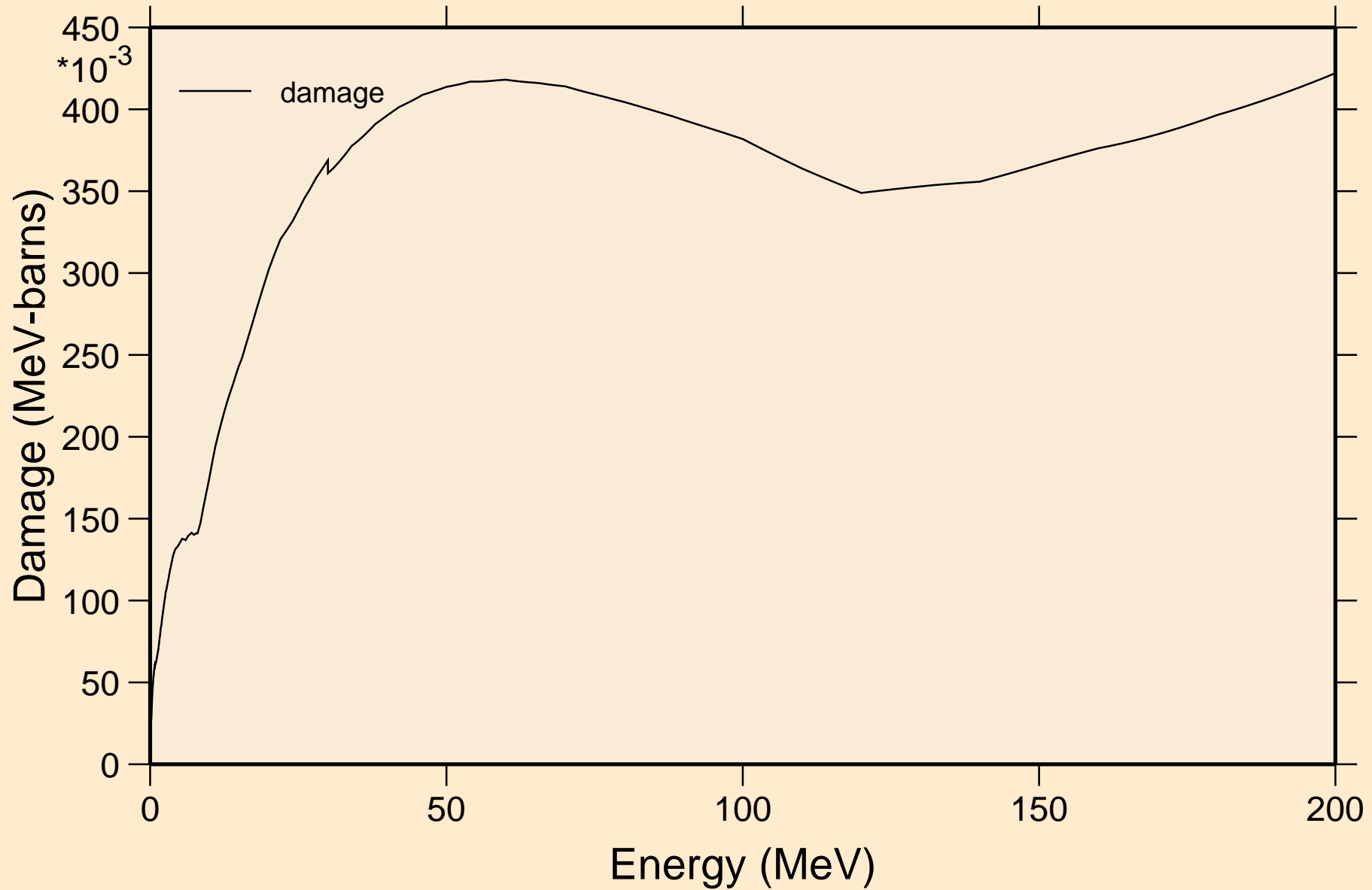
# SR090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Heating

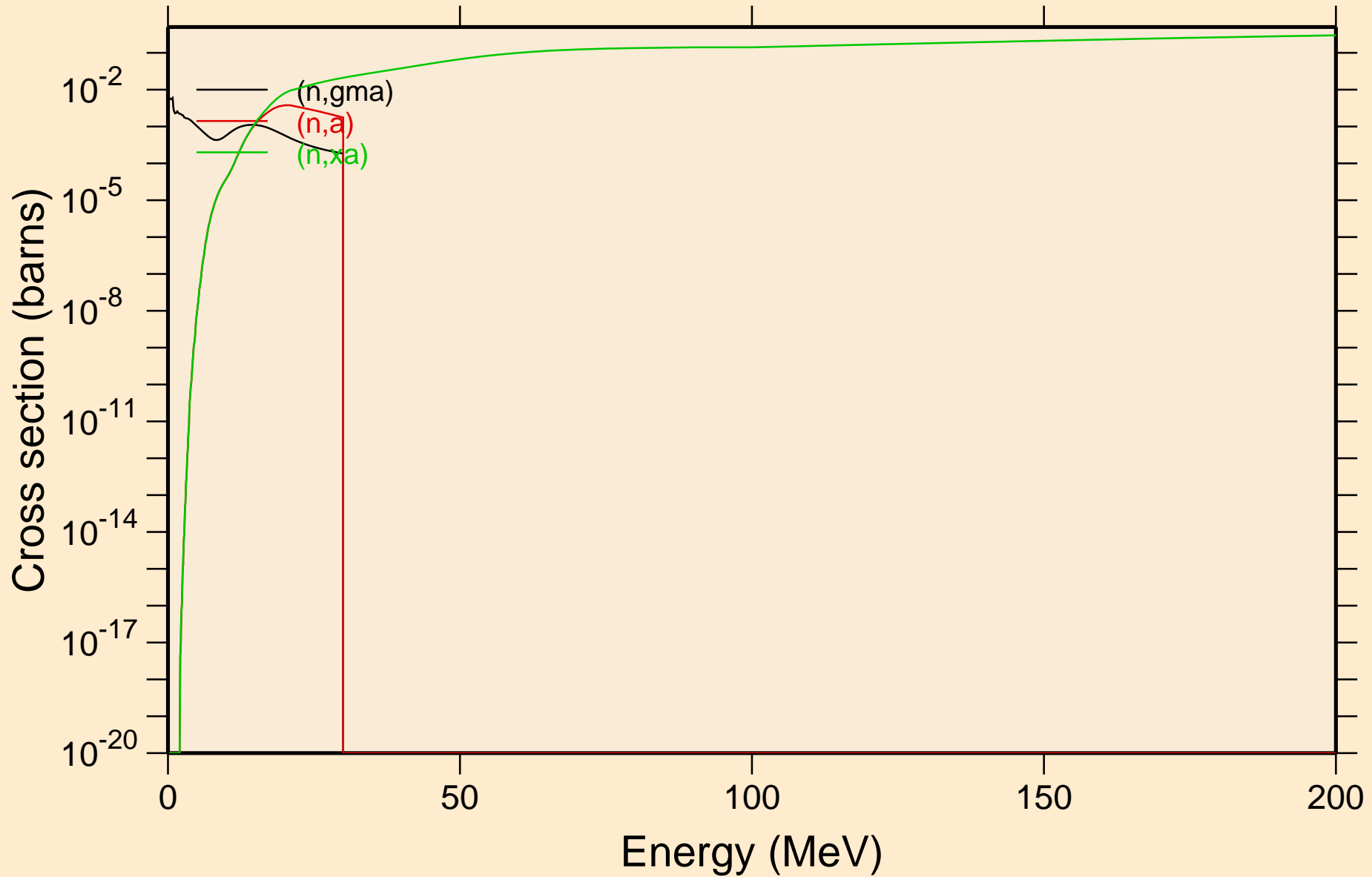


# SR090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

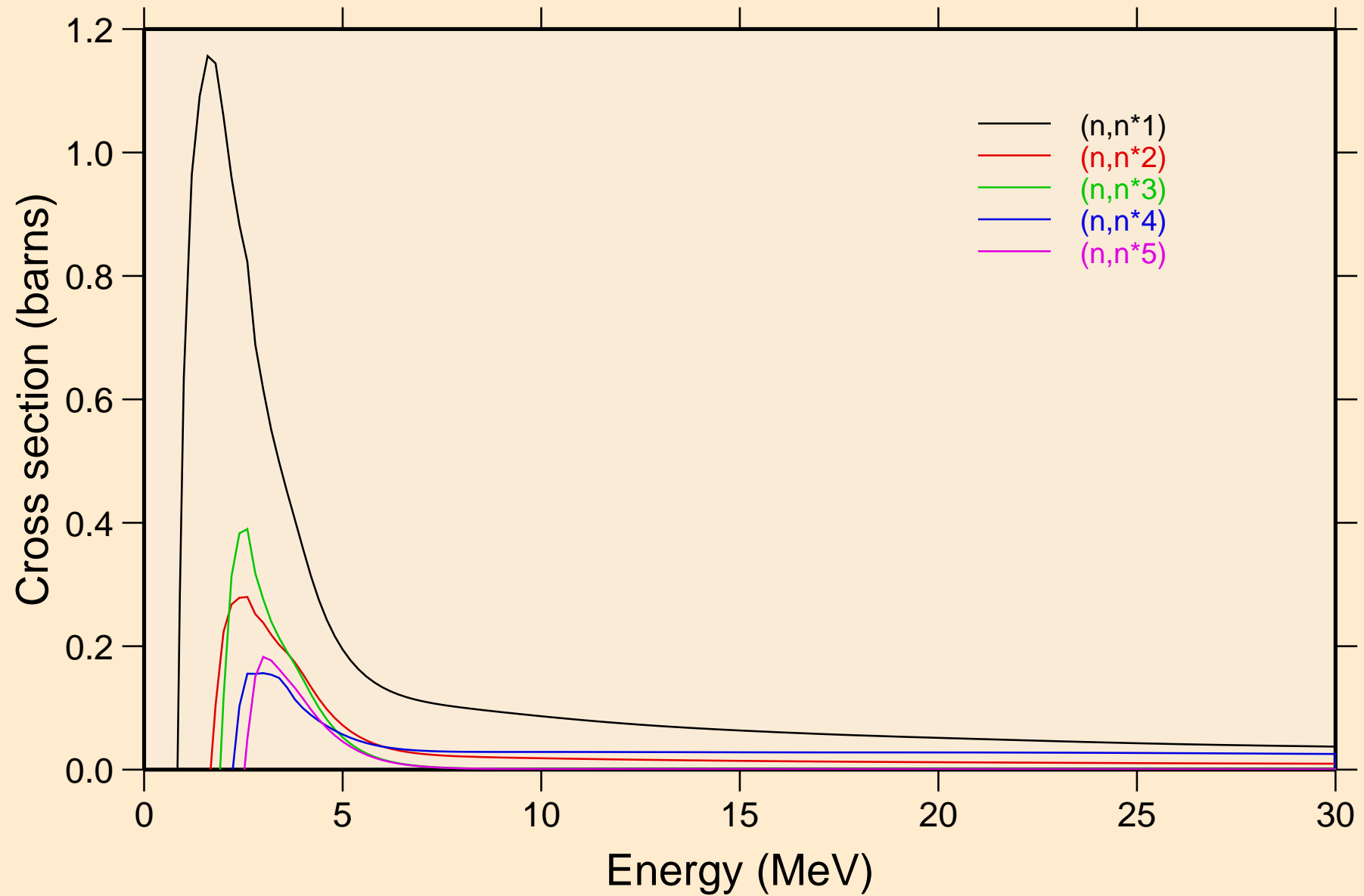
## Damage



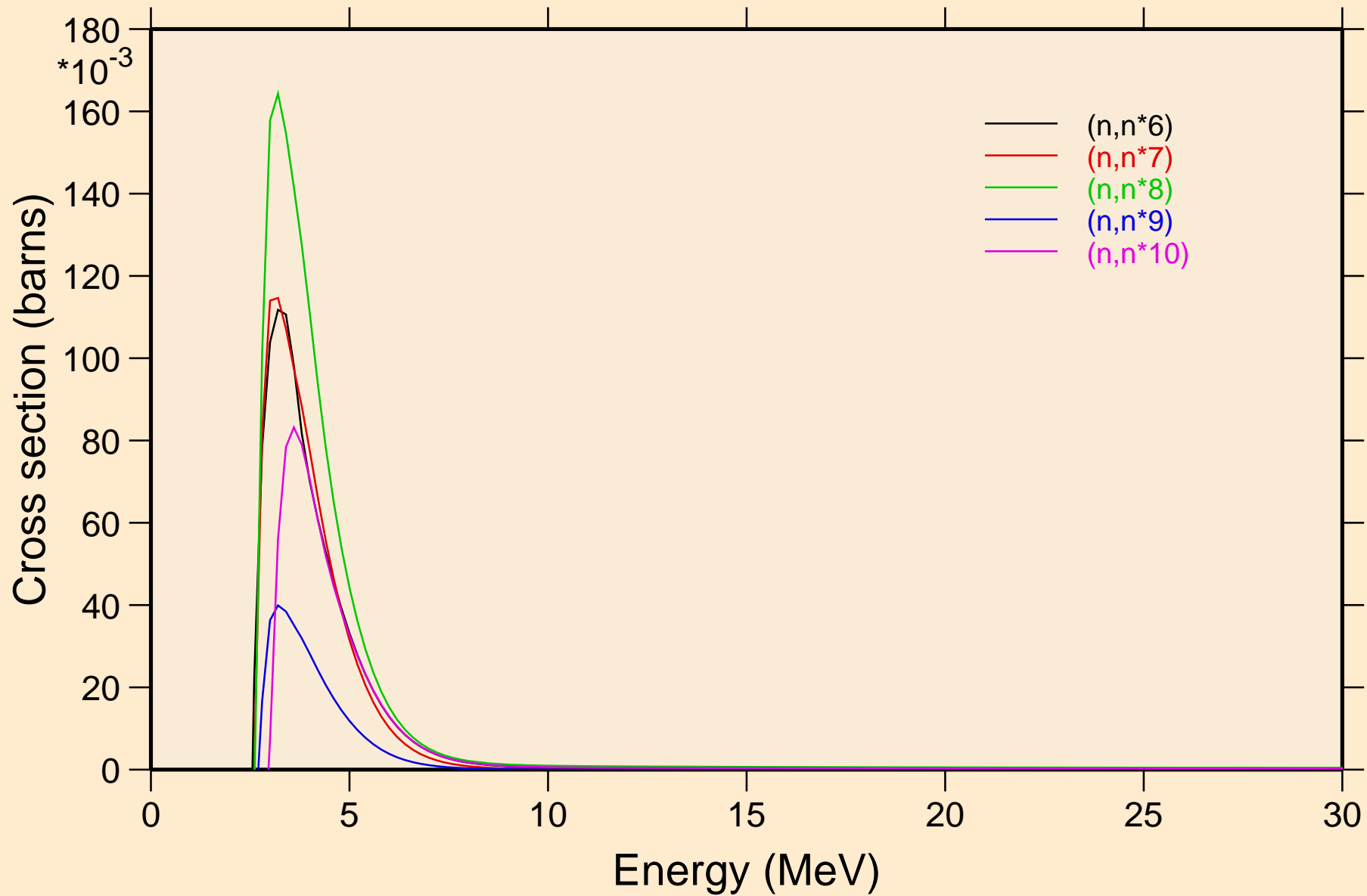
SR090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



SR090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

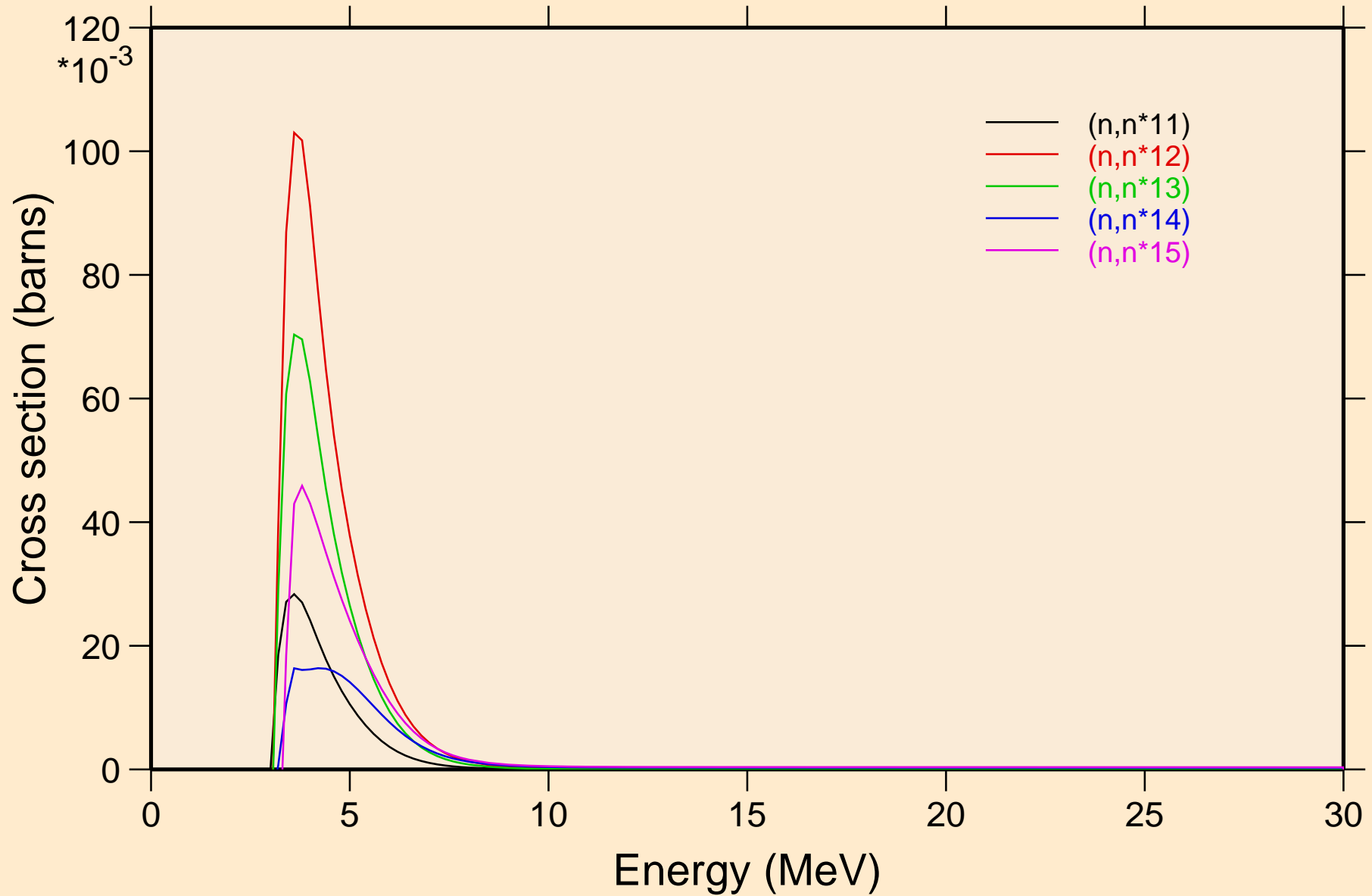


SR090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

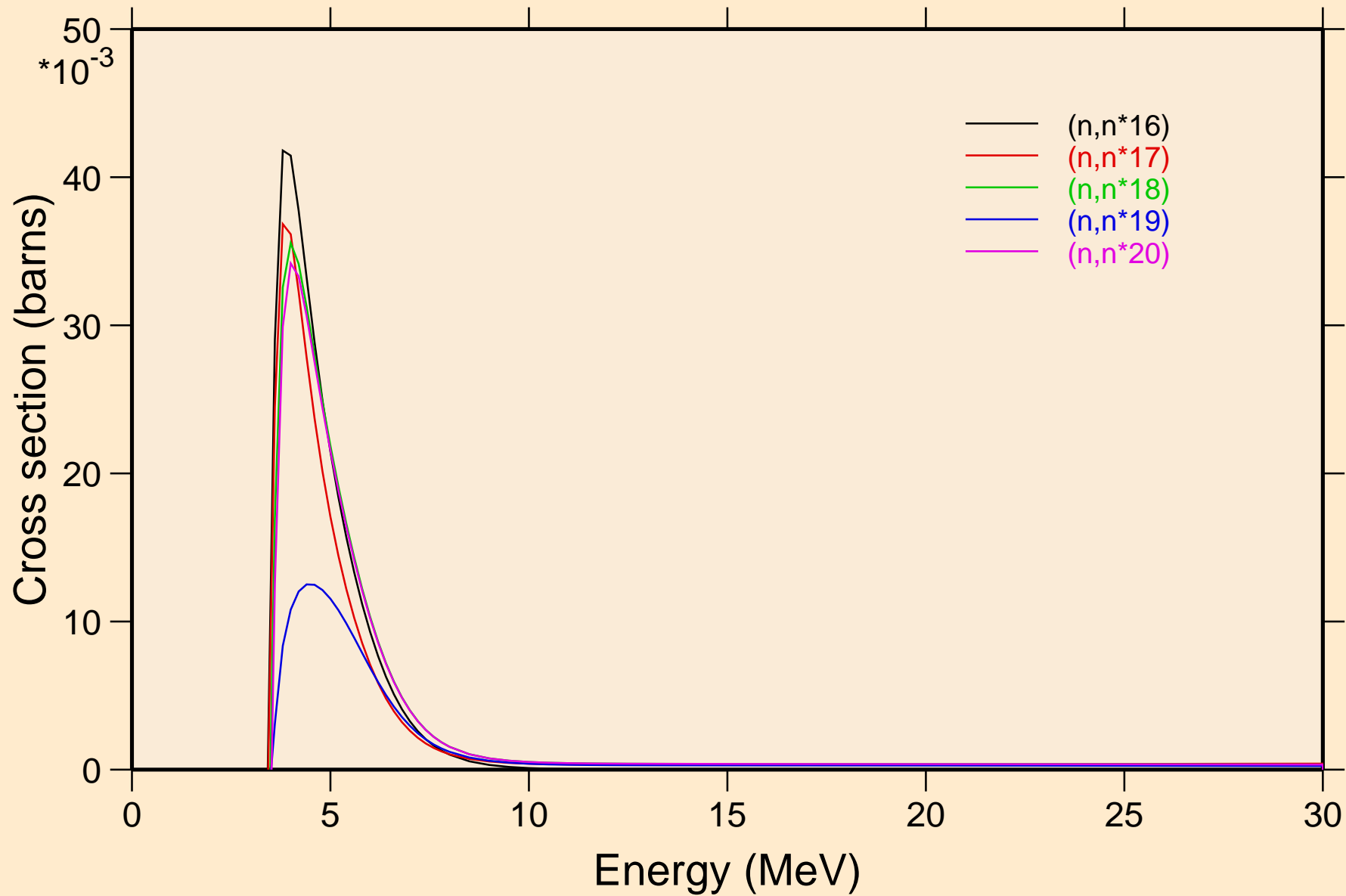




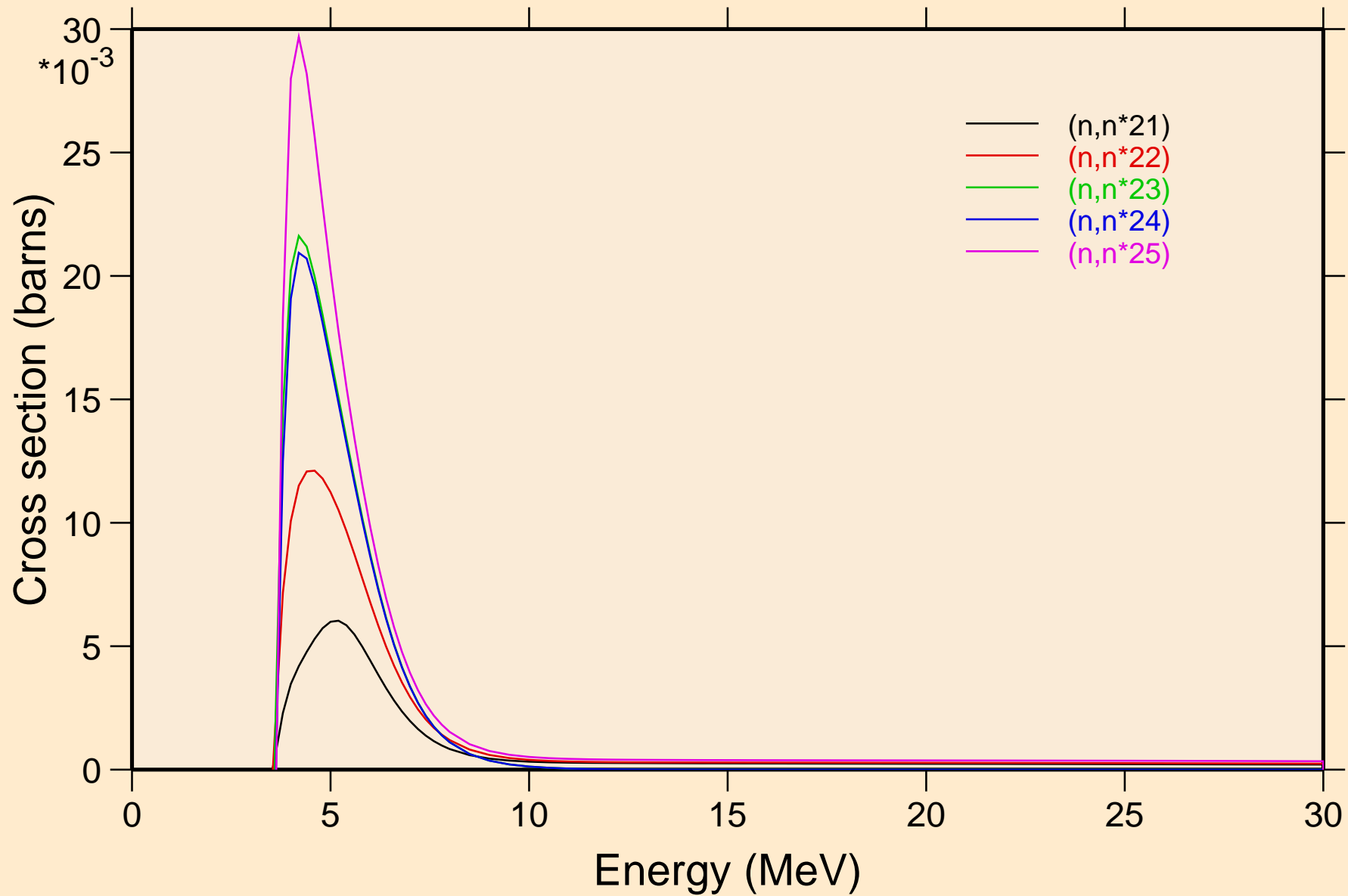
SR090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



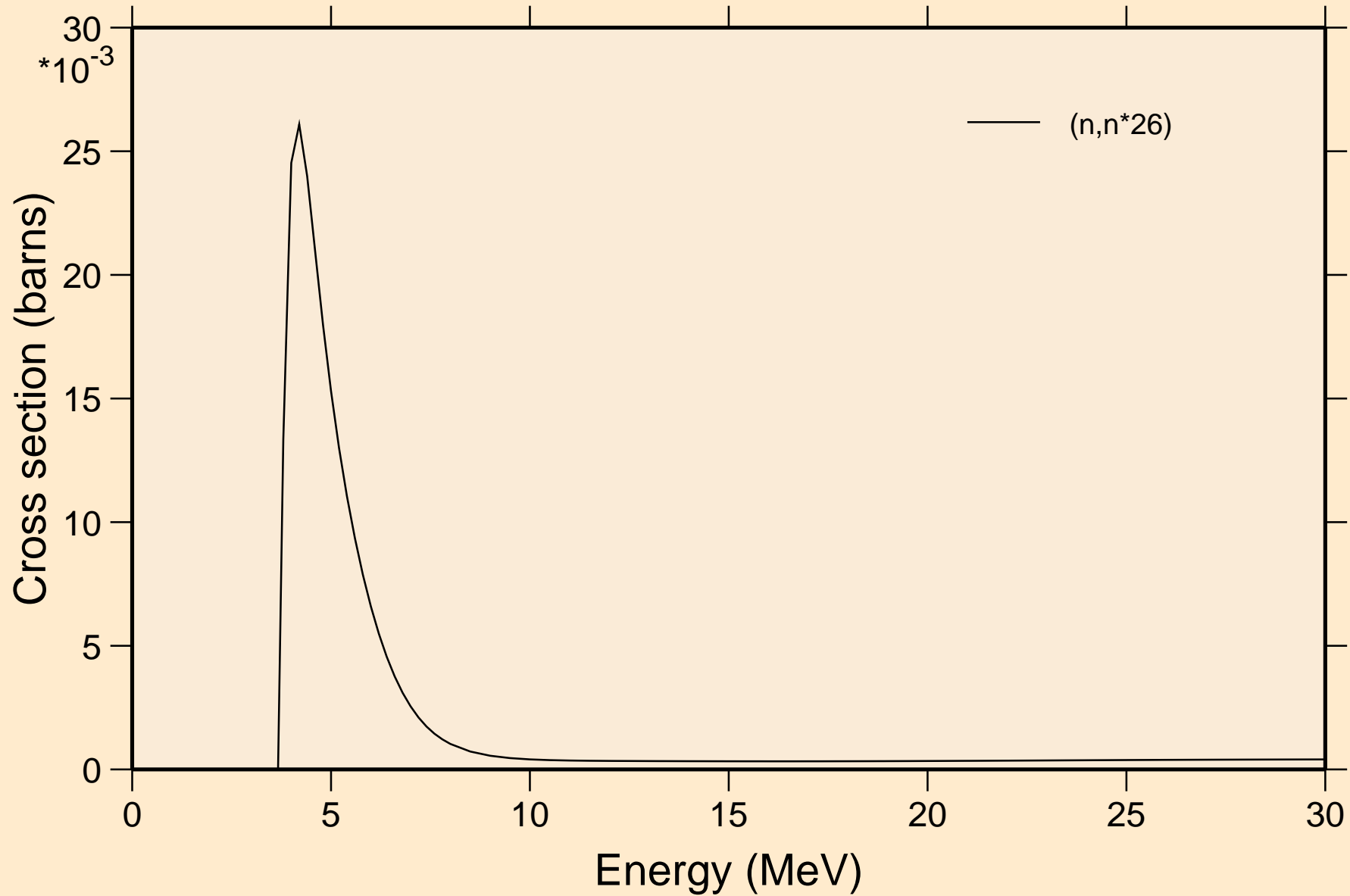
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Inelastic levels



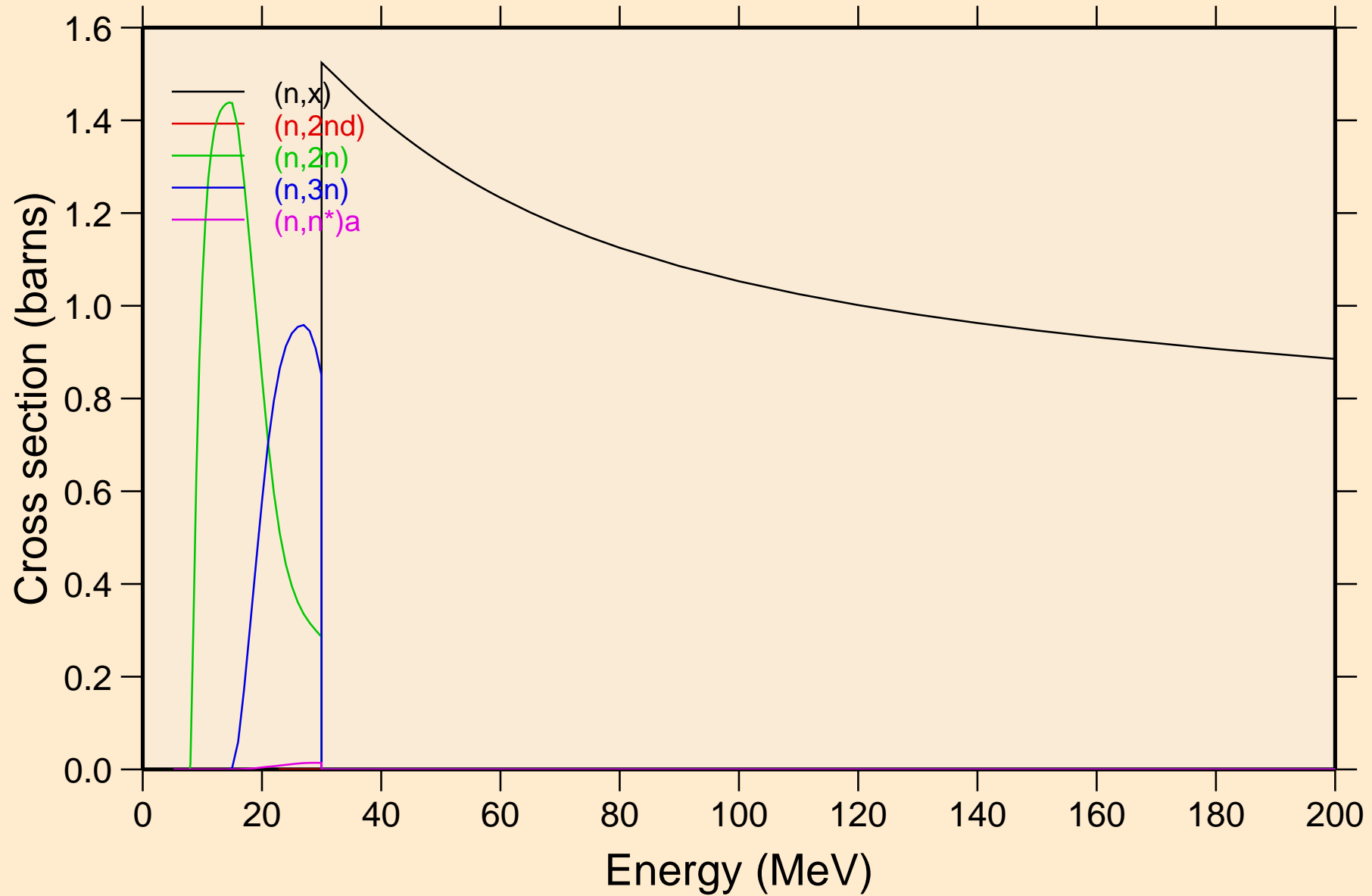
SR090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



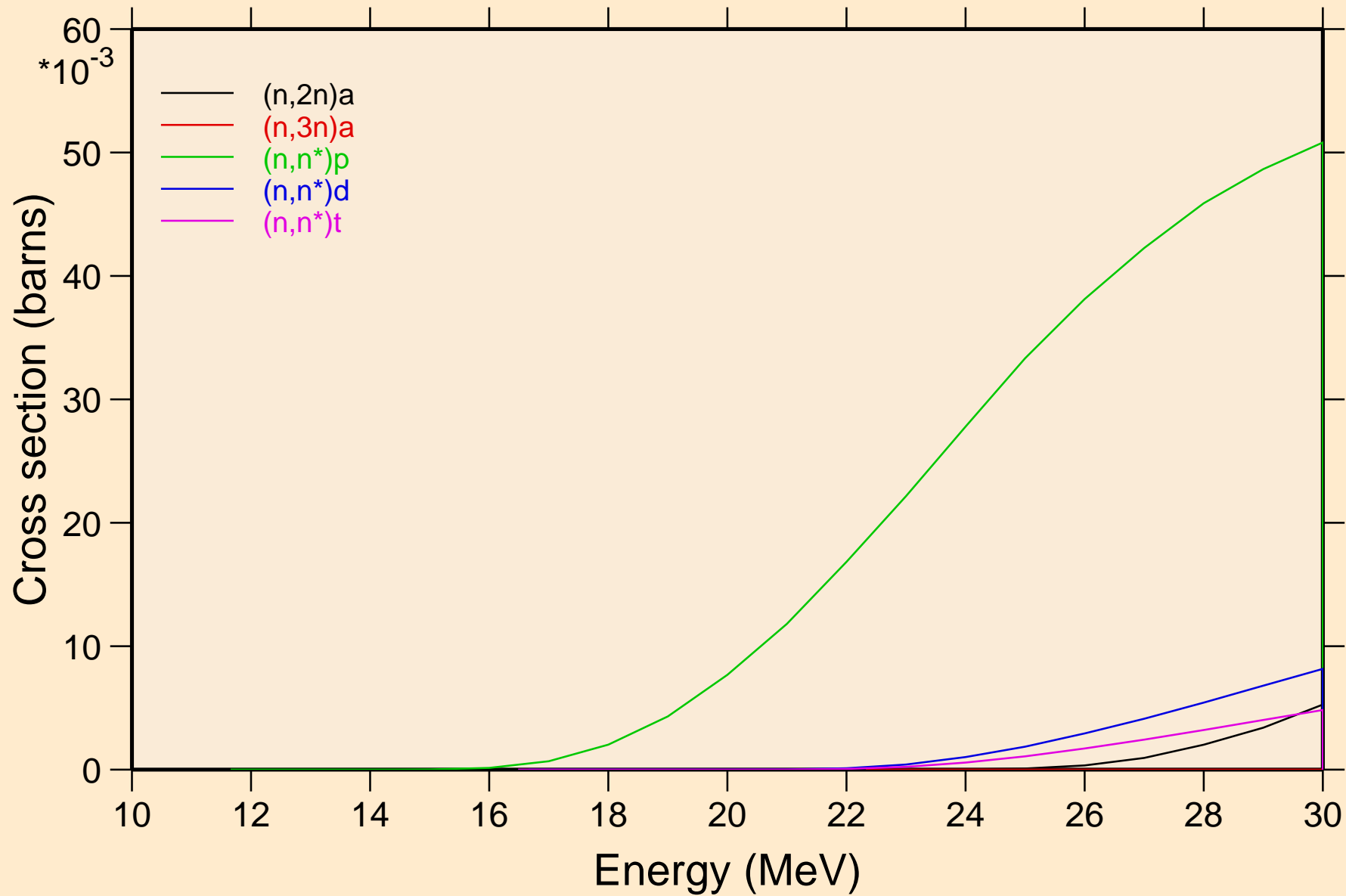
SR090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



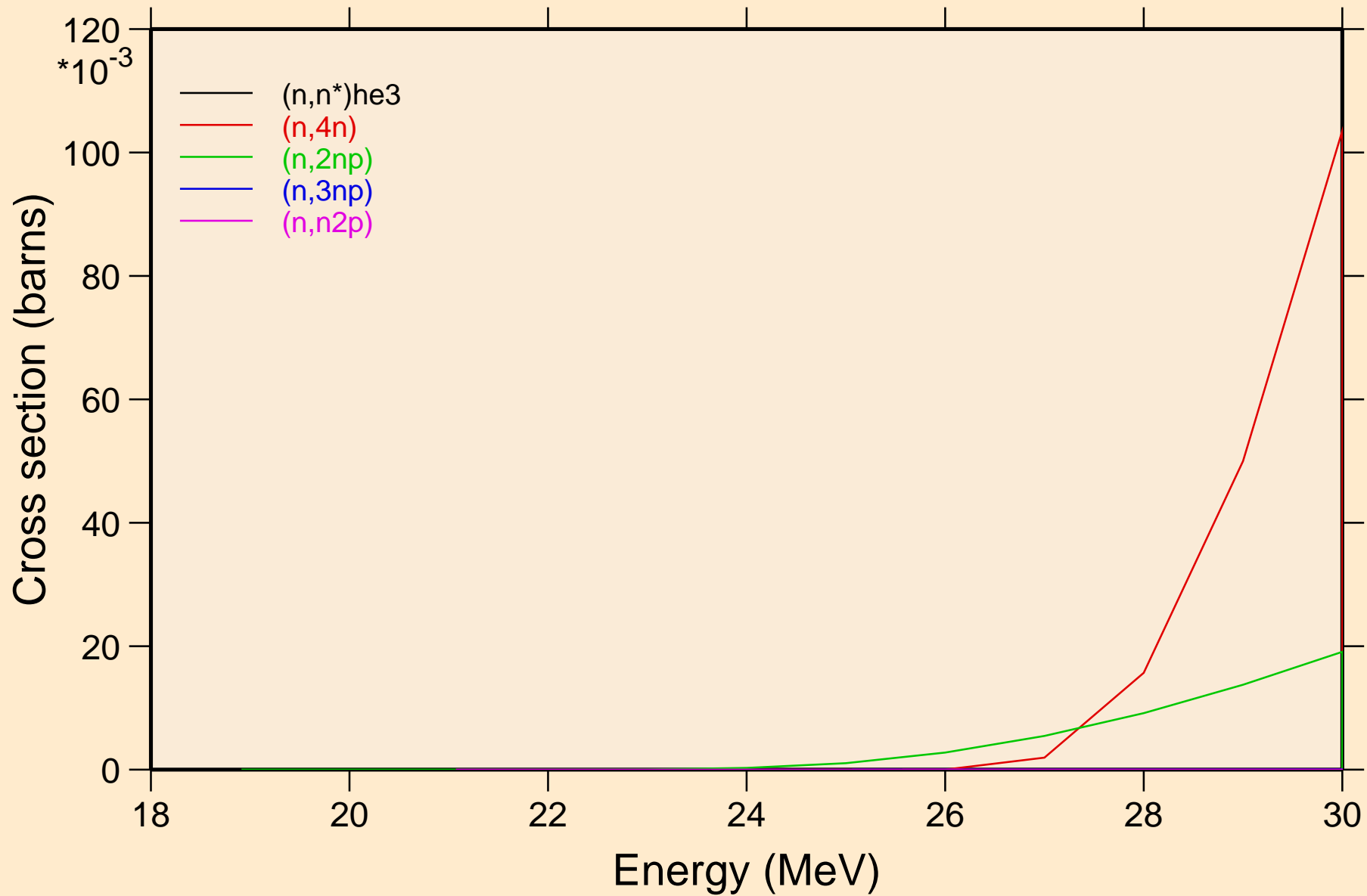
SR090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



SR090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

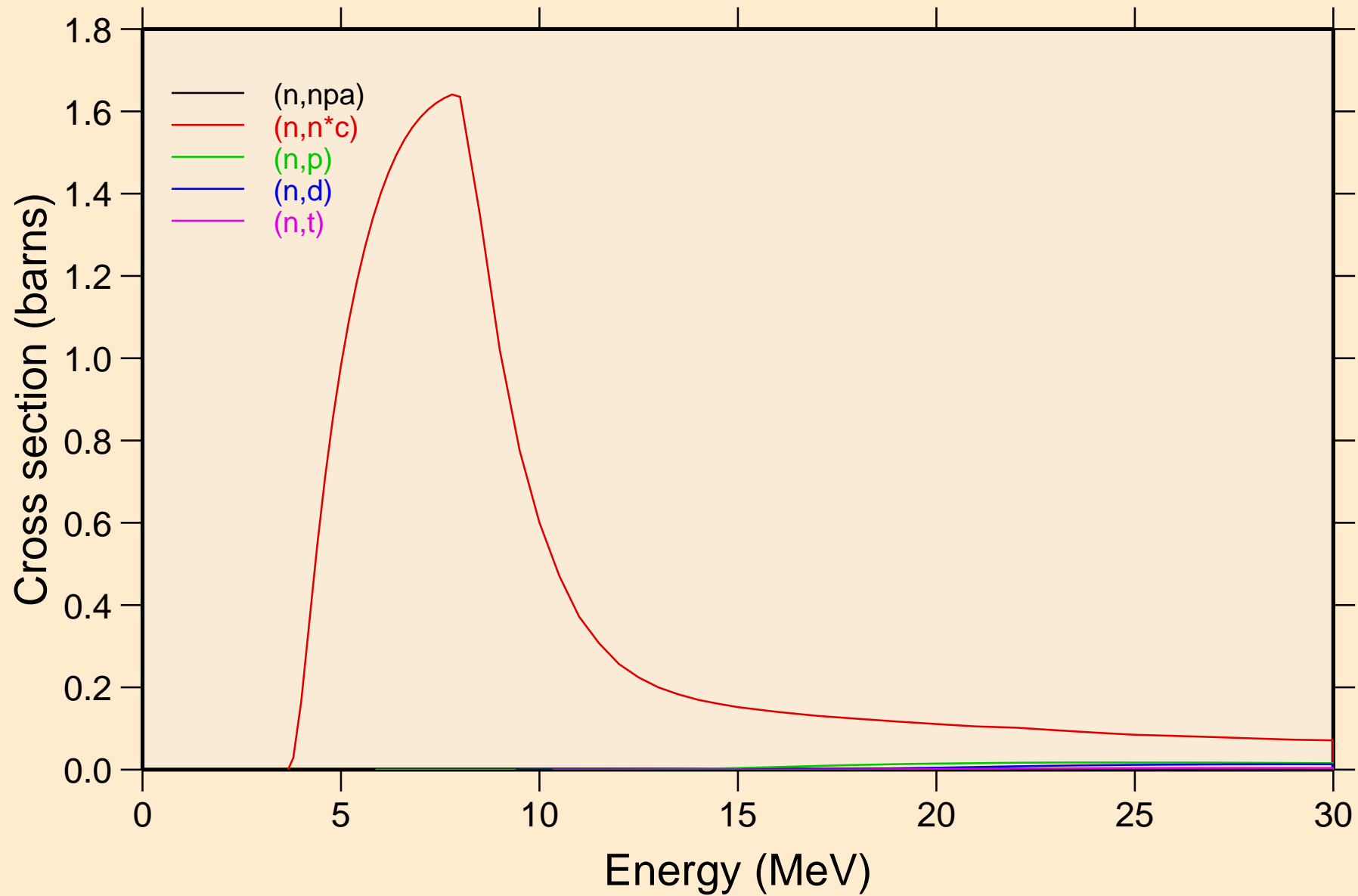


SR090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



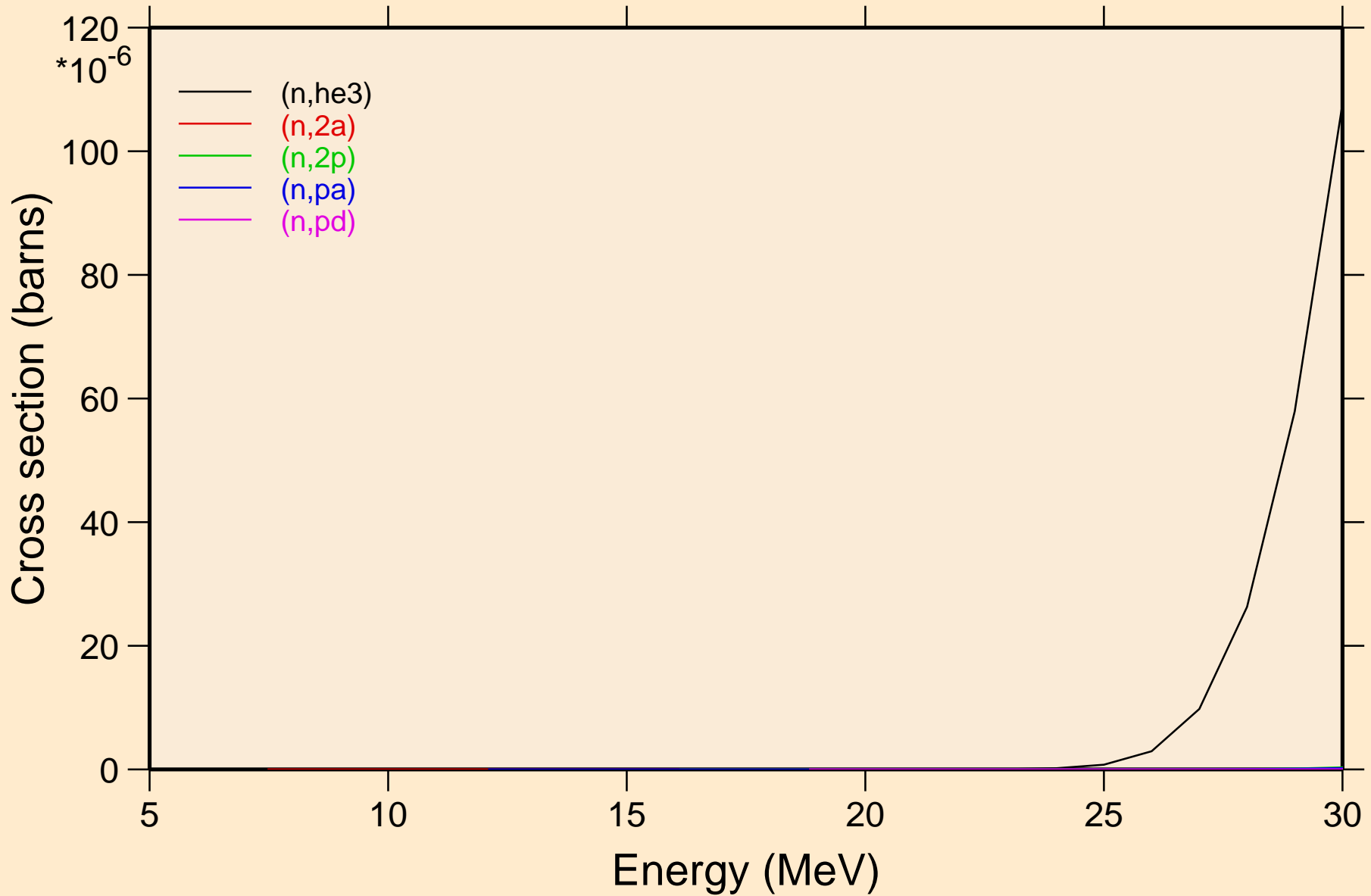
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## Threshold reactions

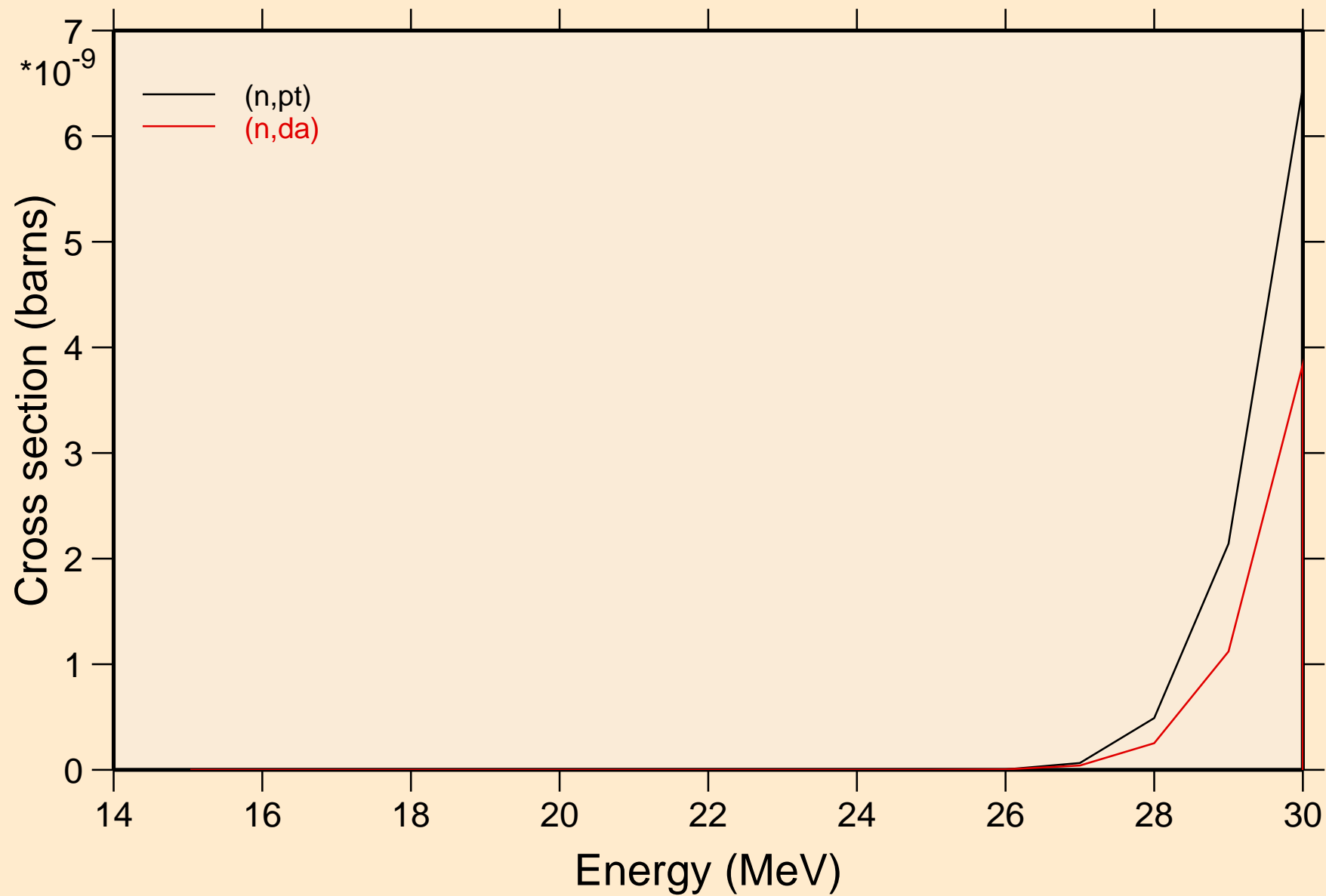




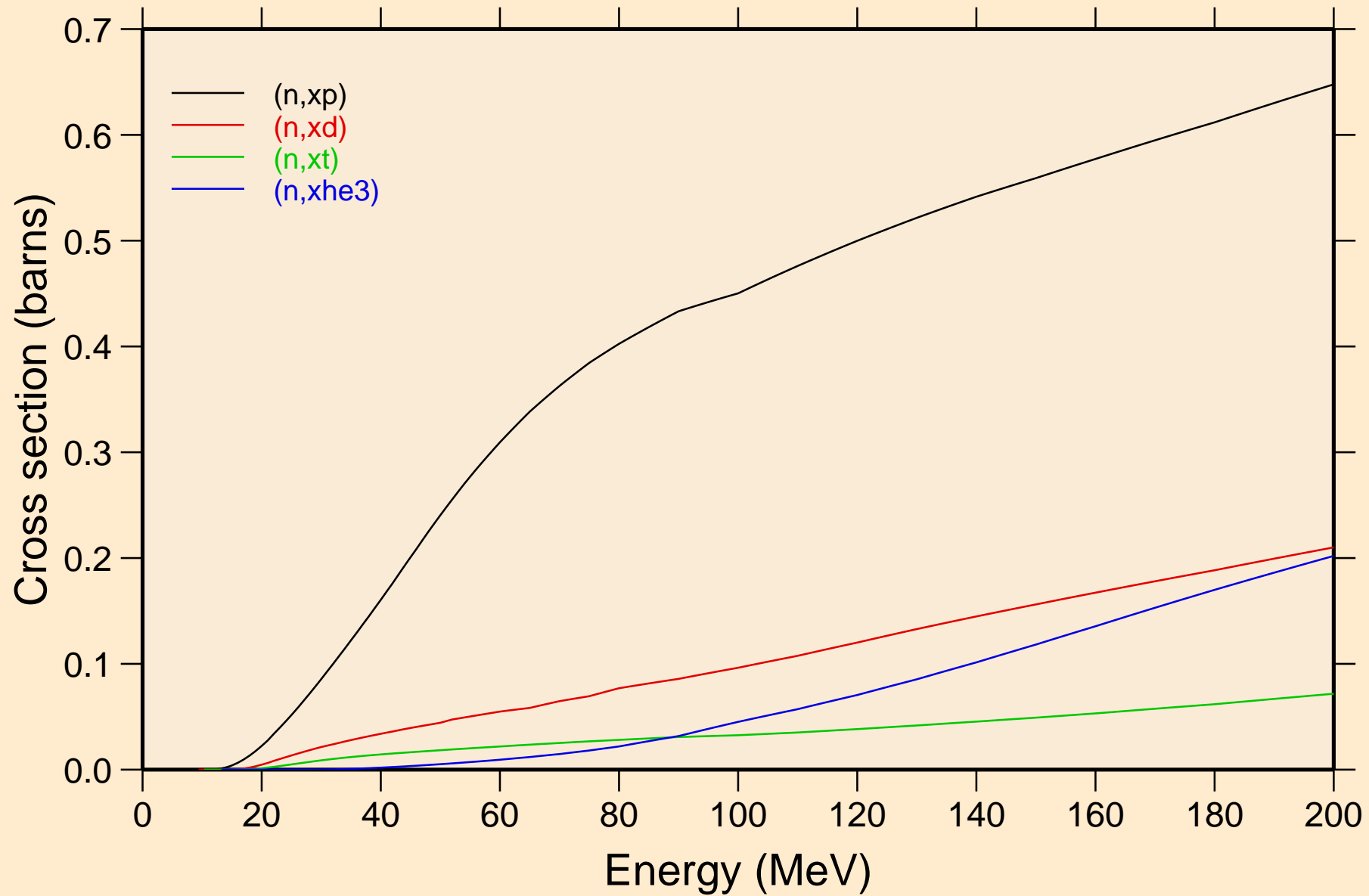
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Threshold reactions



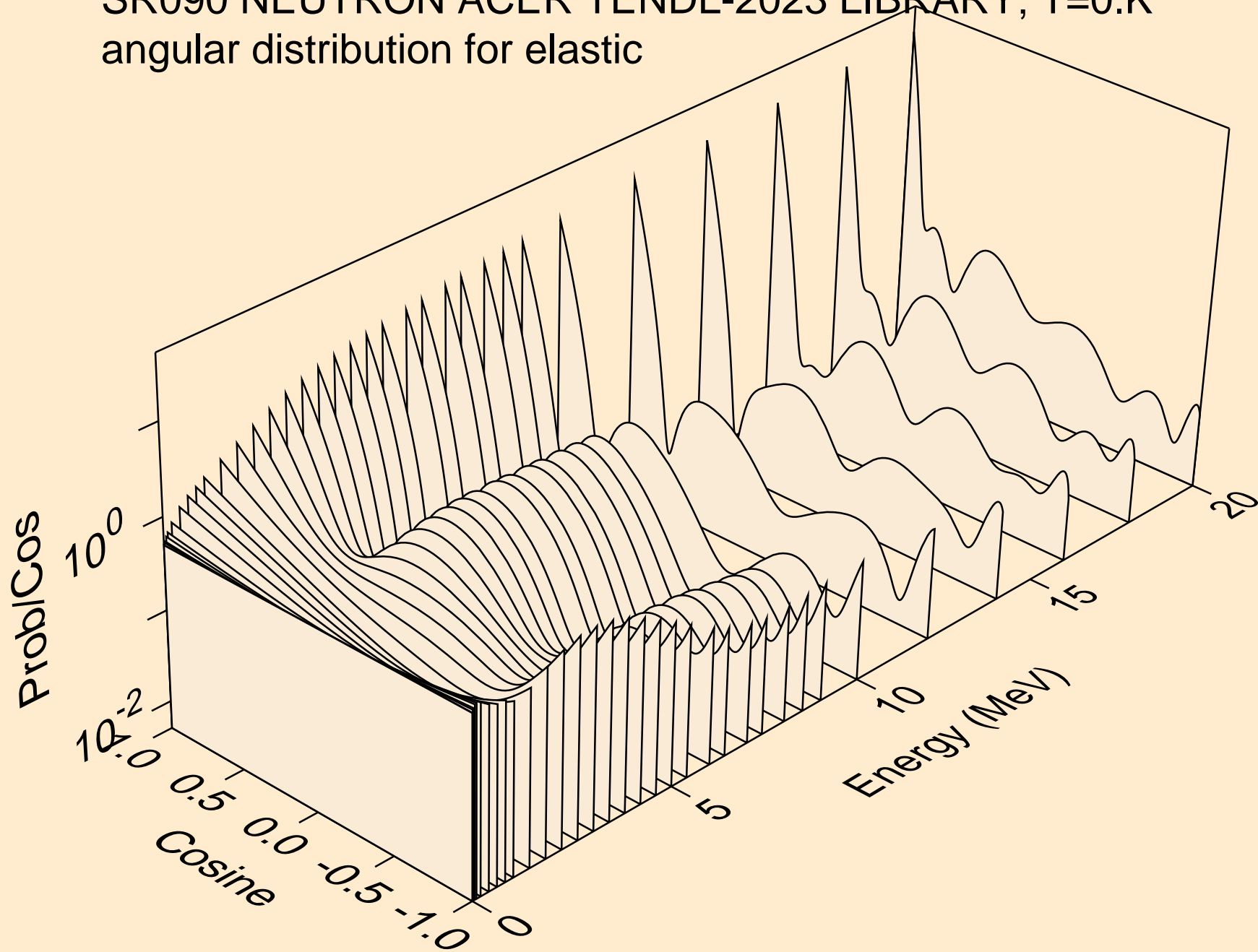
SR090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



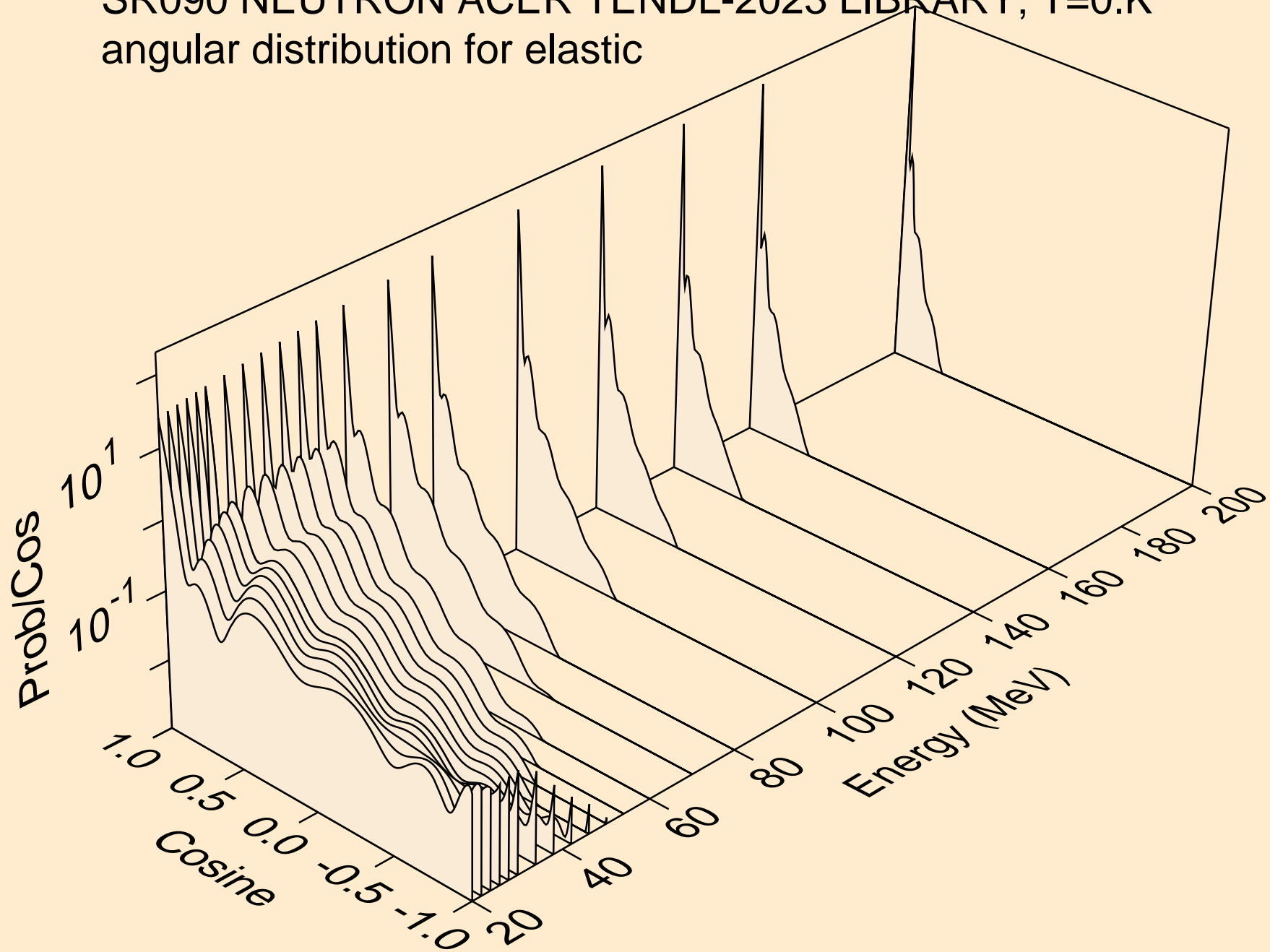
SR090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



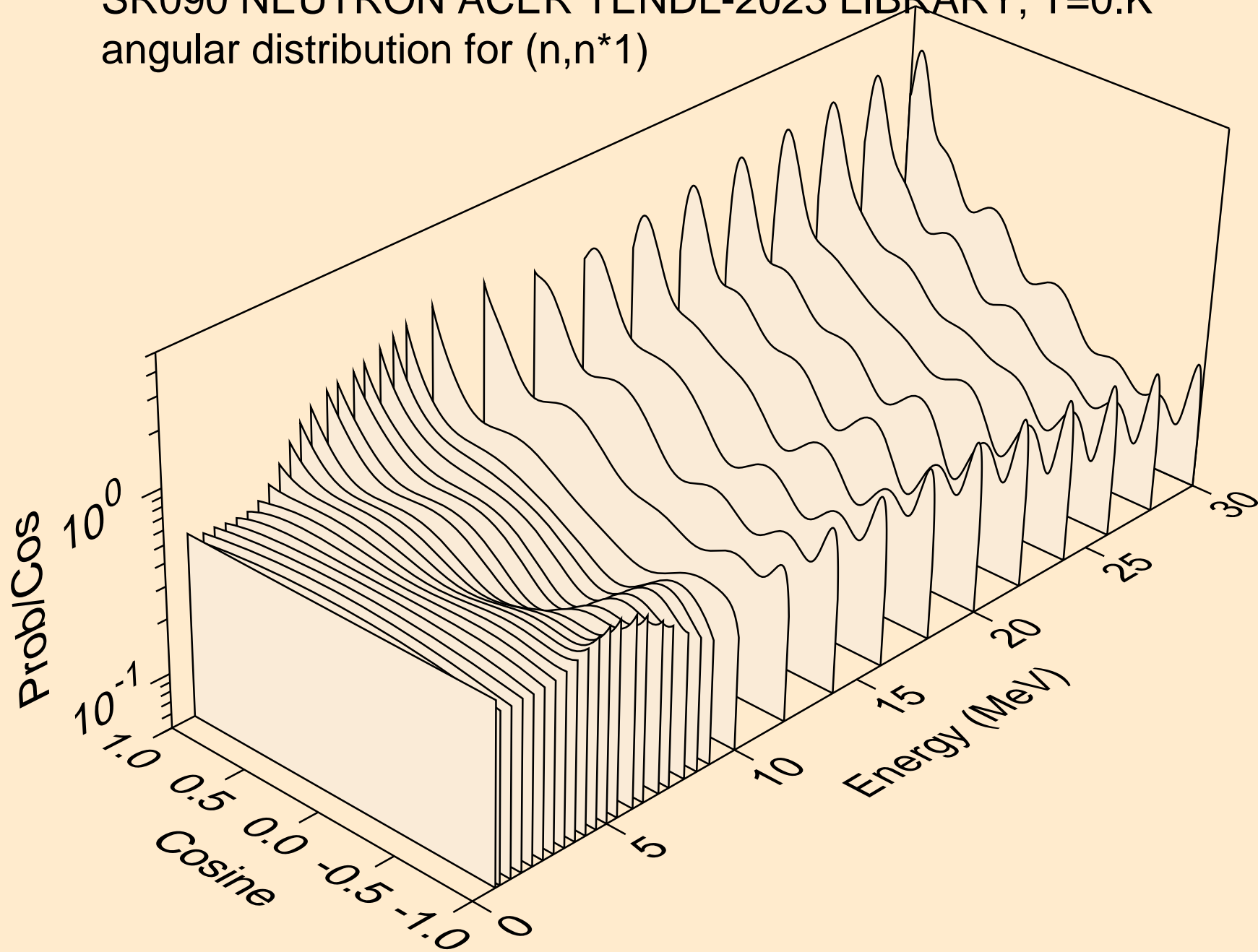
SR090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



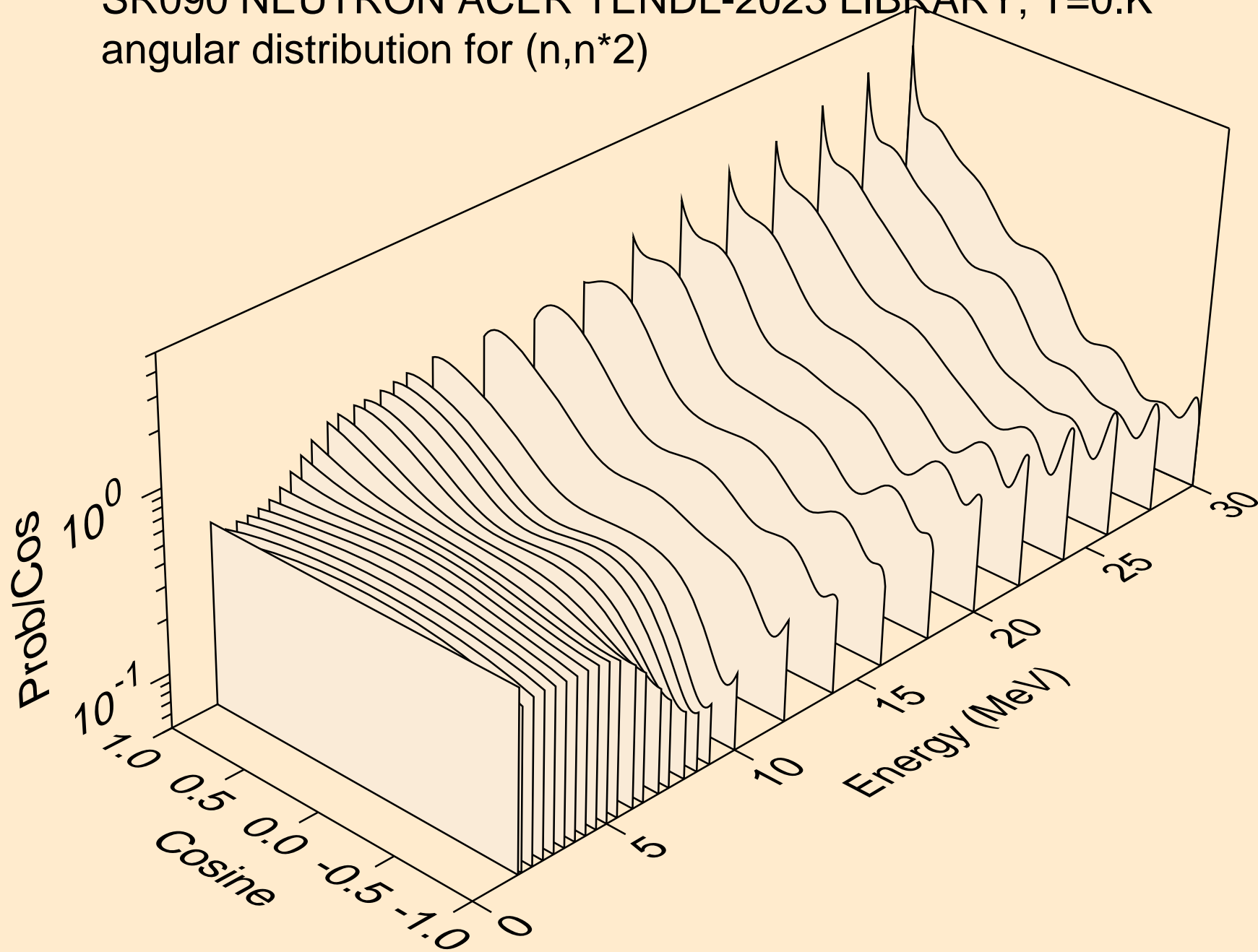
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angular distribution for elastic



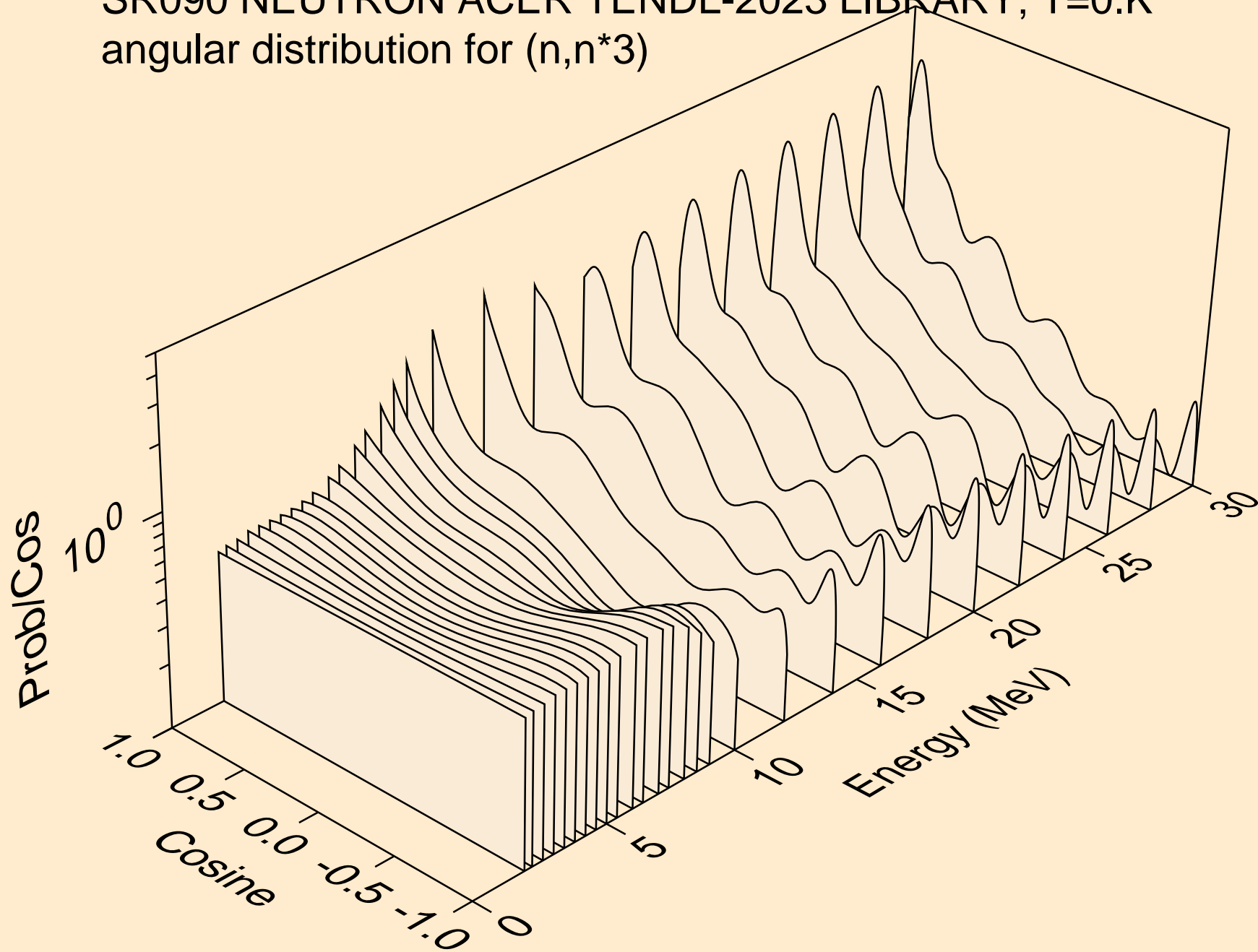
SR090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



SR090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*2)

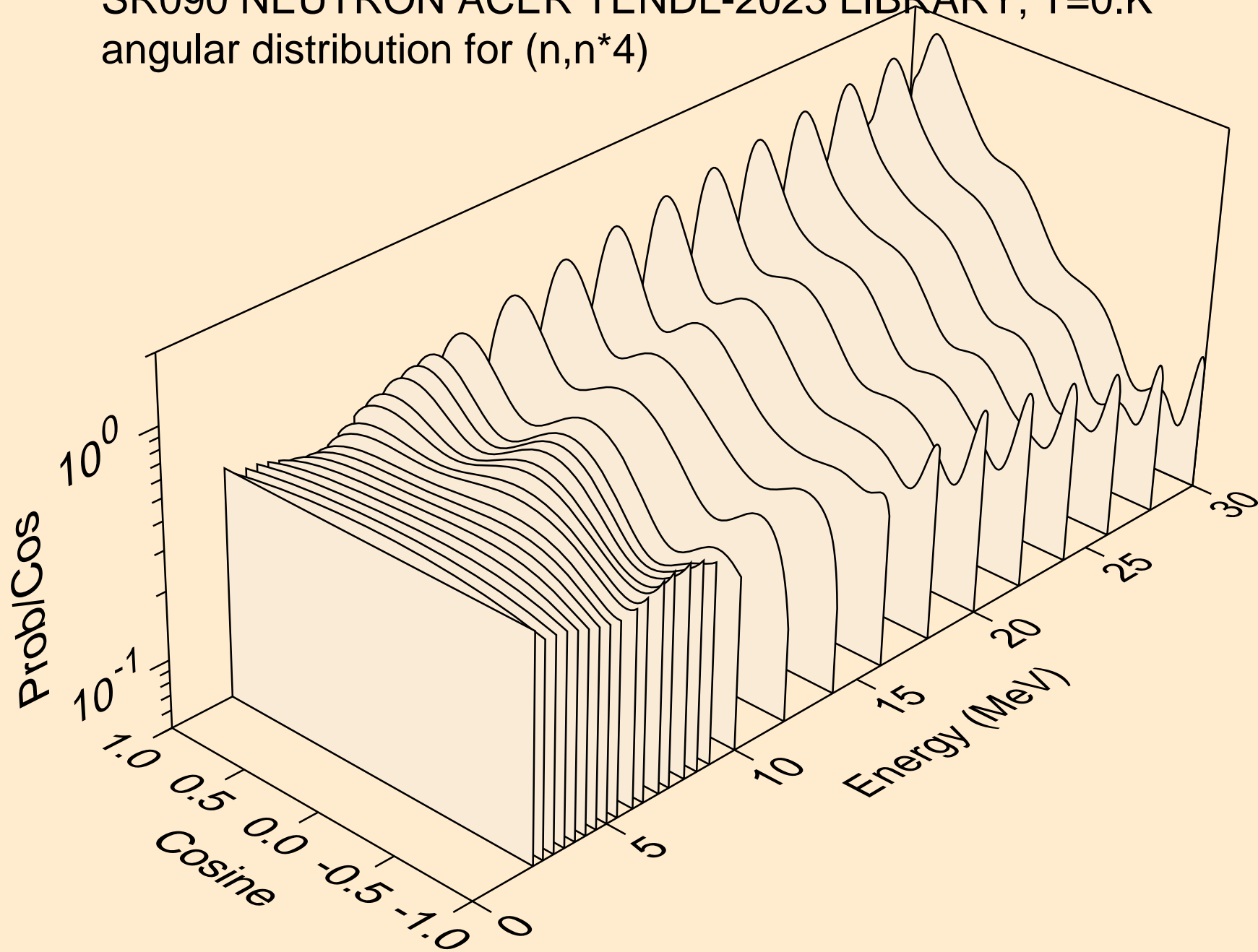


SR090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*3)

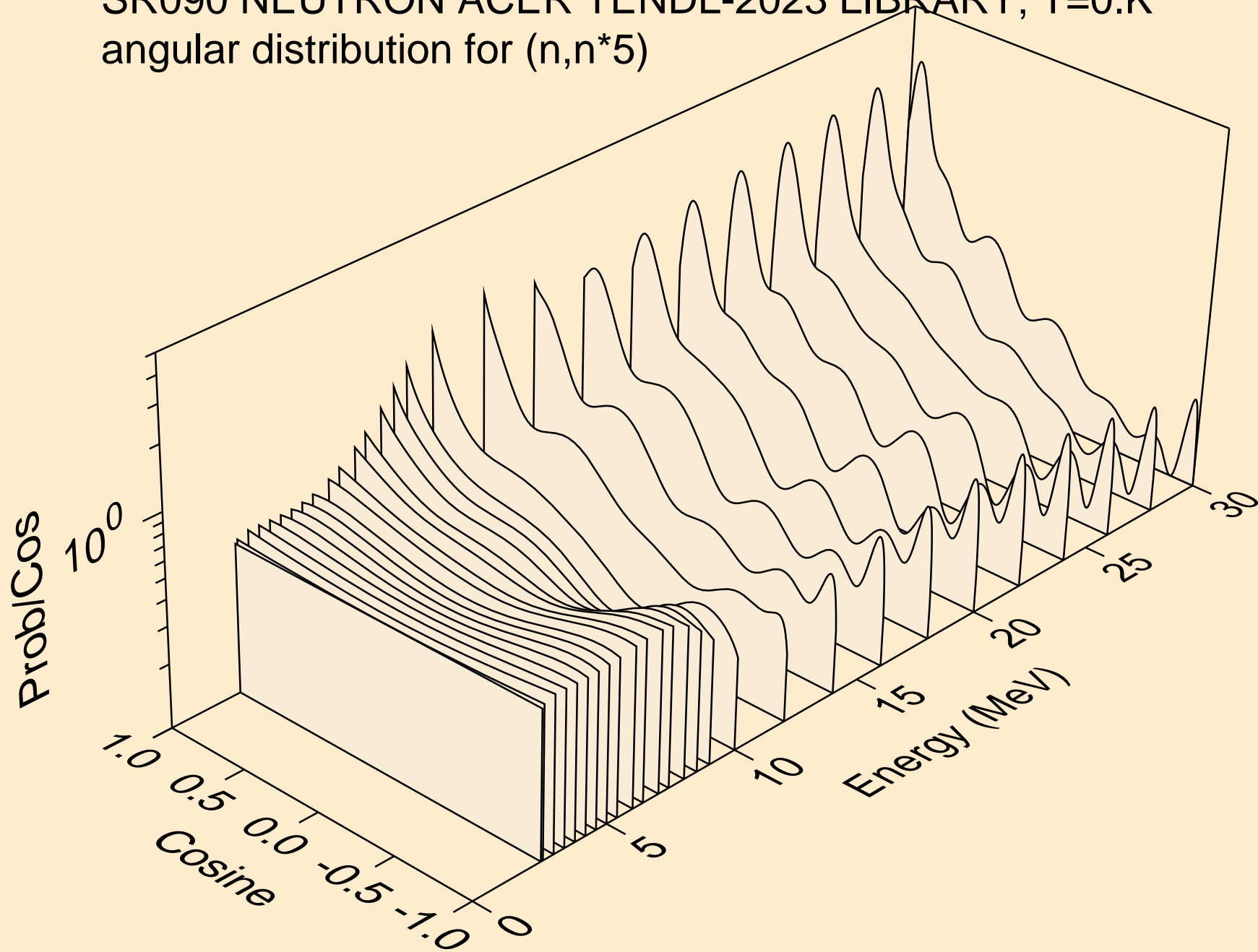




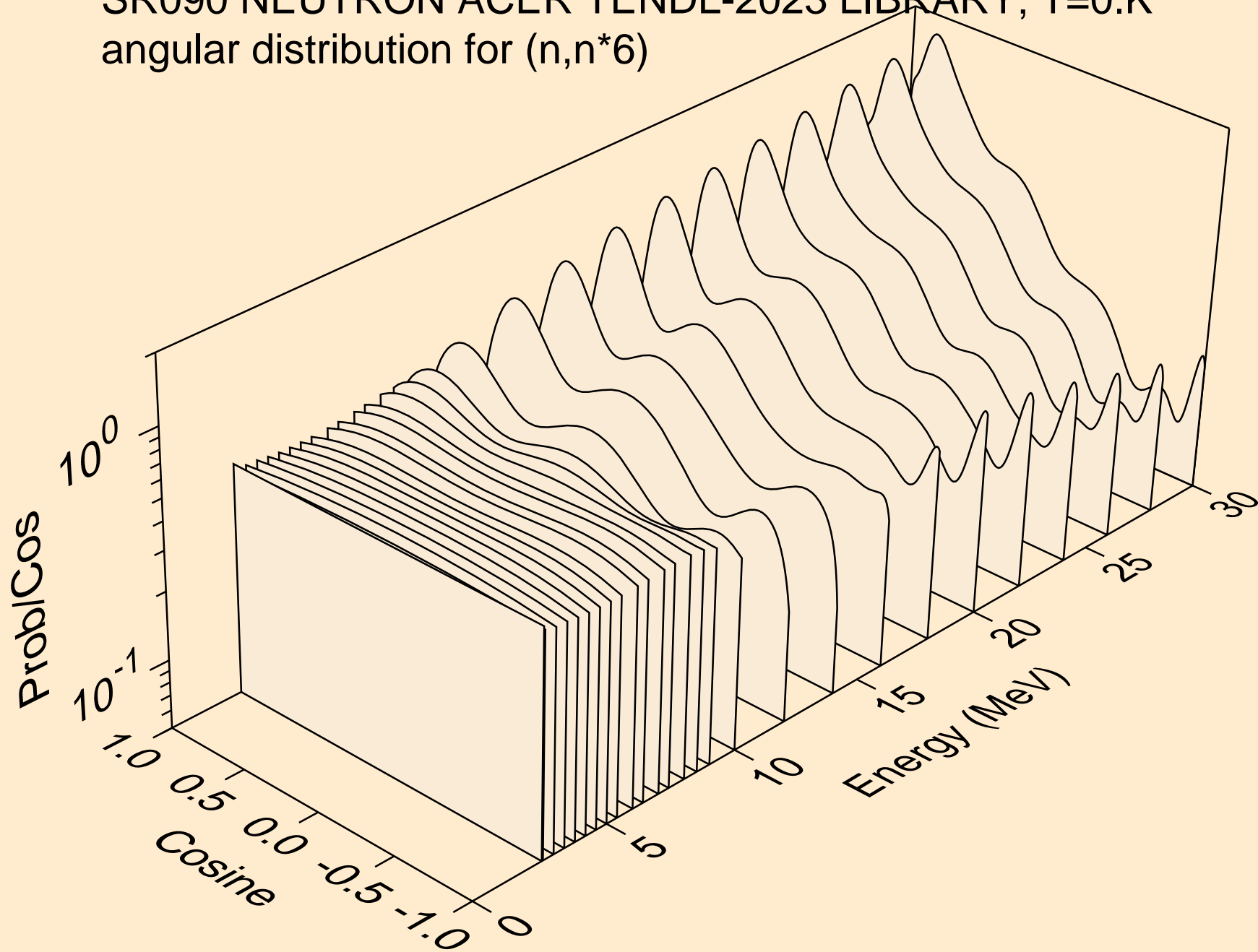
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angular distribution for (n,n\*4)



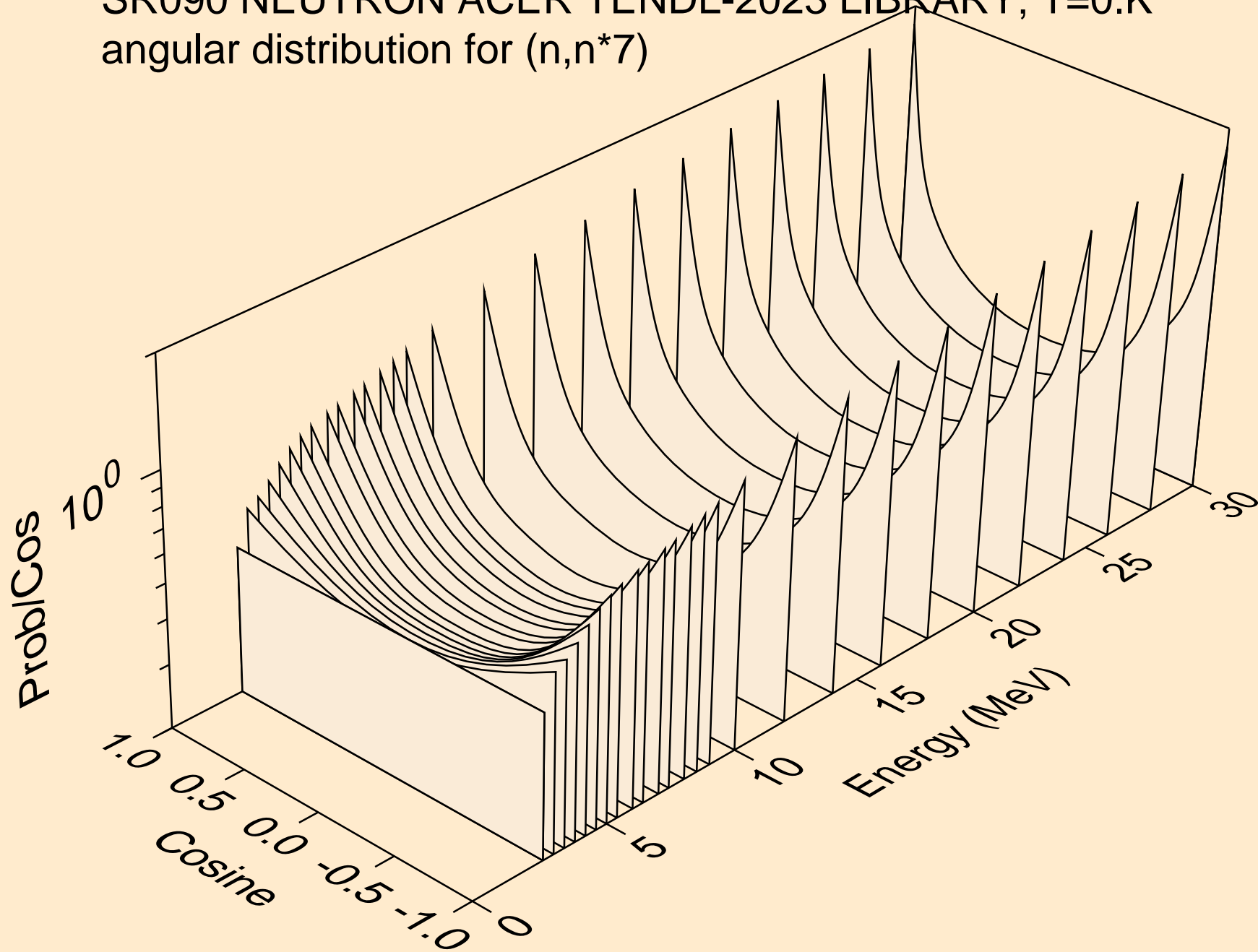
SR090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*5)



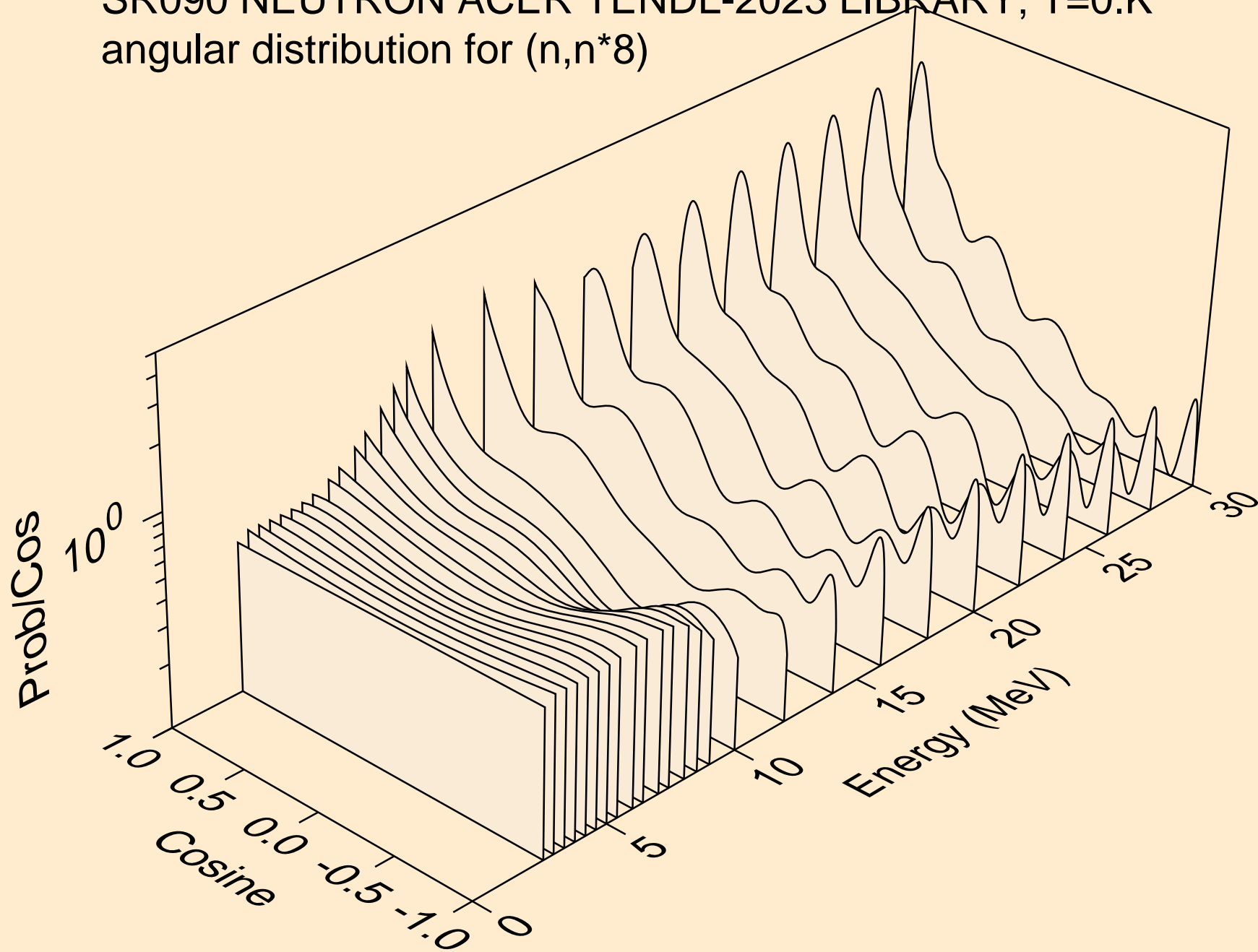
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angular distribution for (n,n\*6)



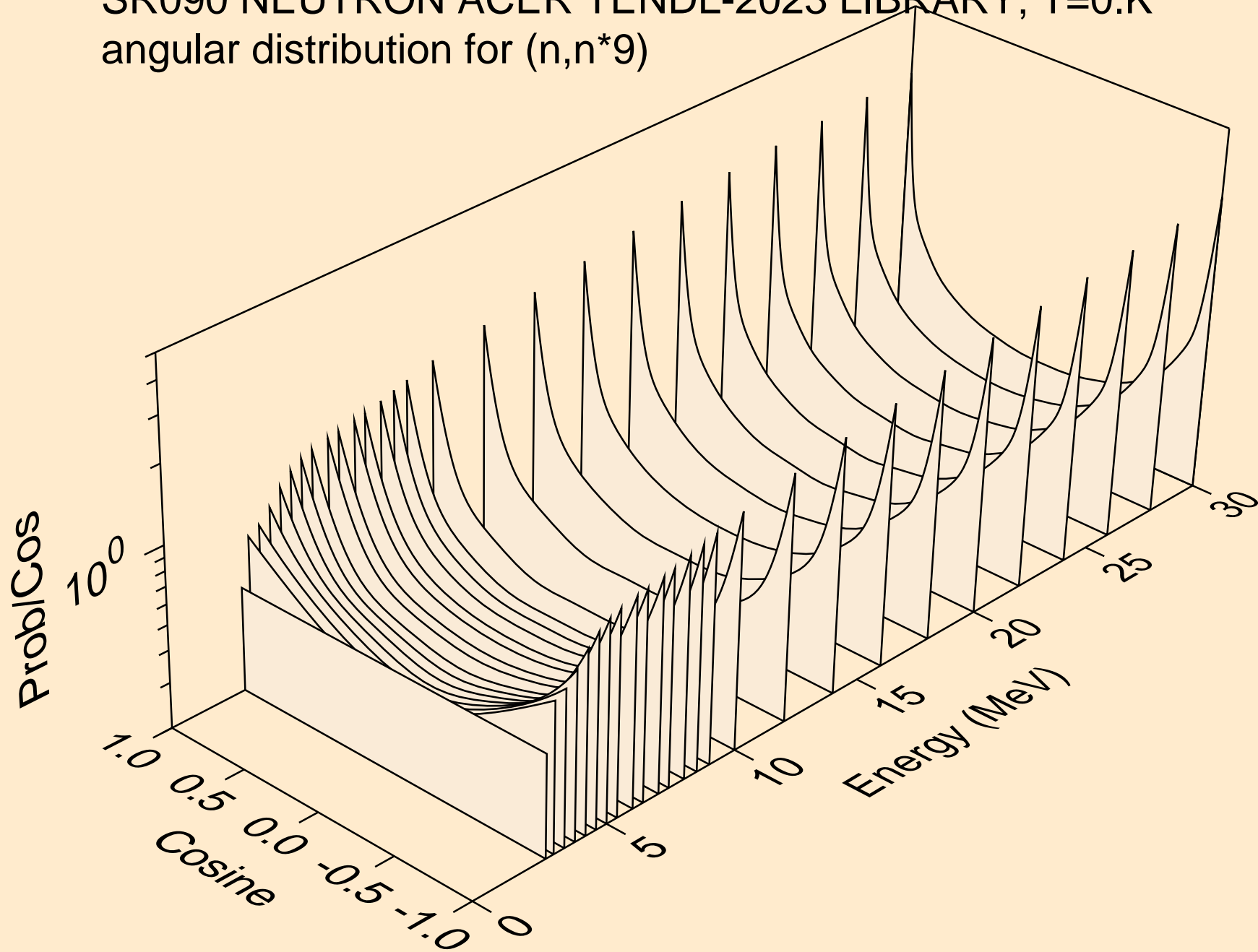
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angular distribution for (n,n\*7)



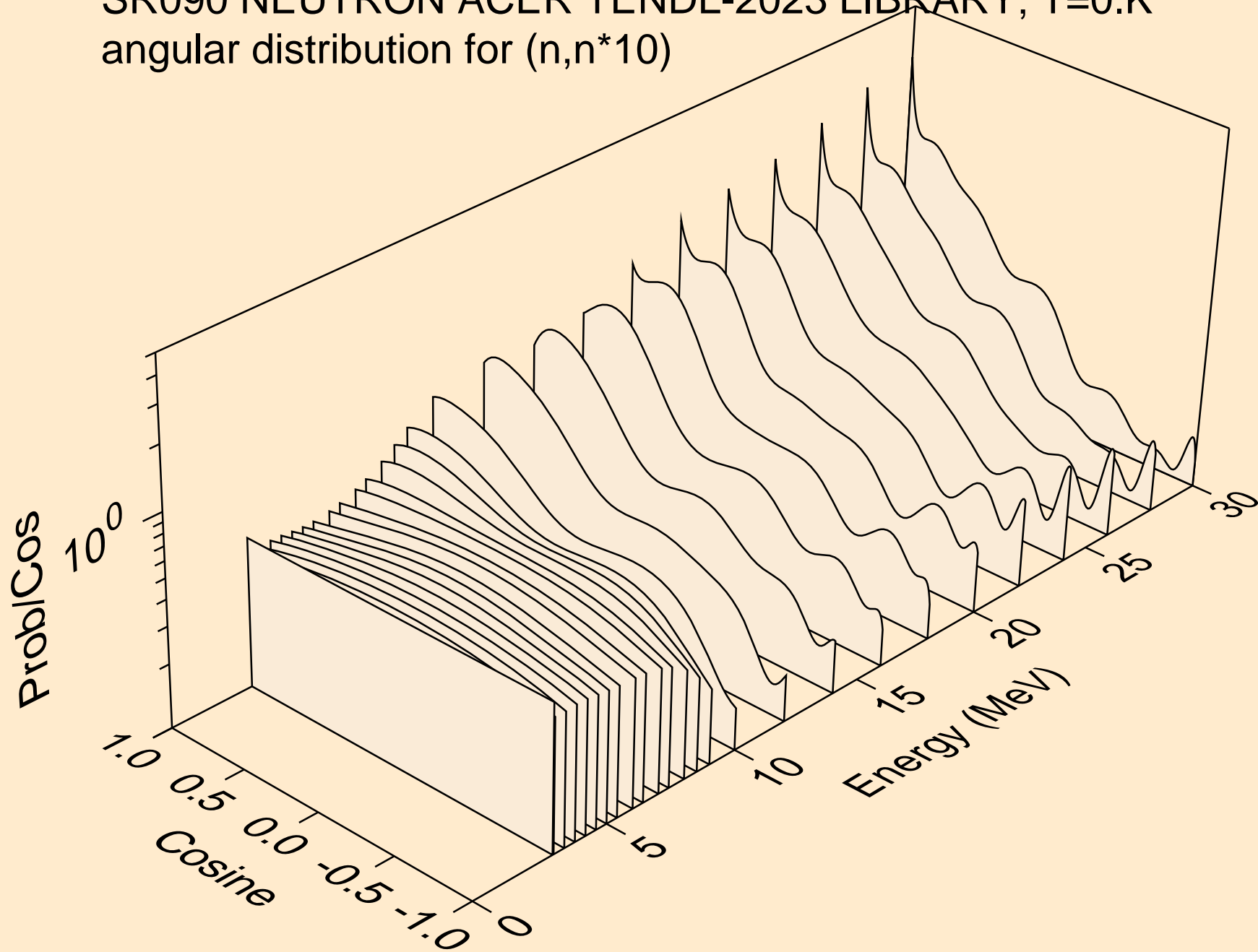
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angular distribution for (n,n\*8)



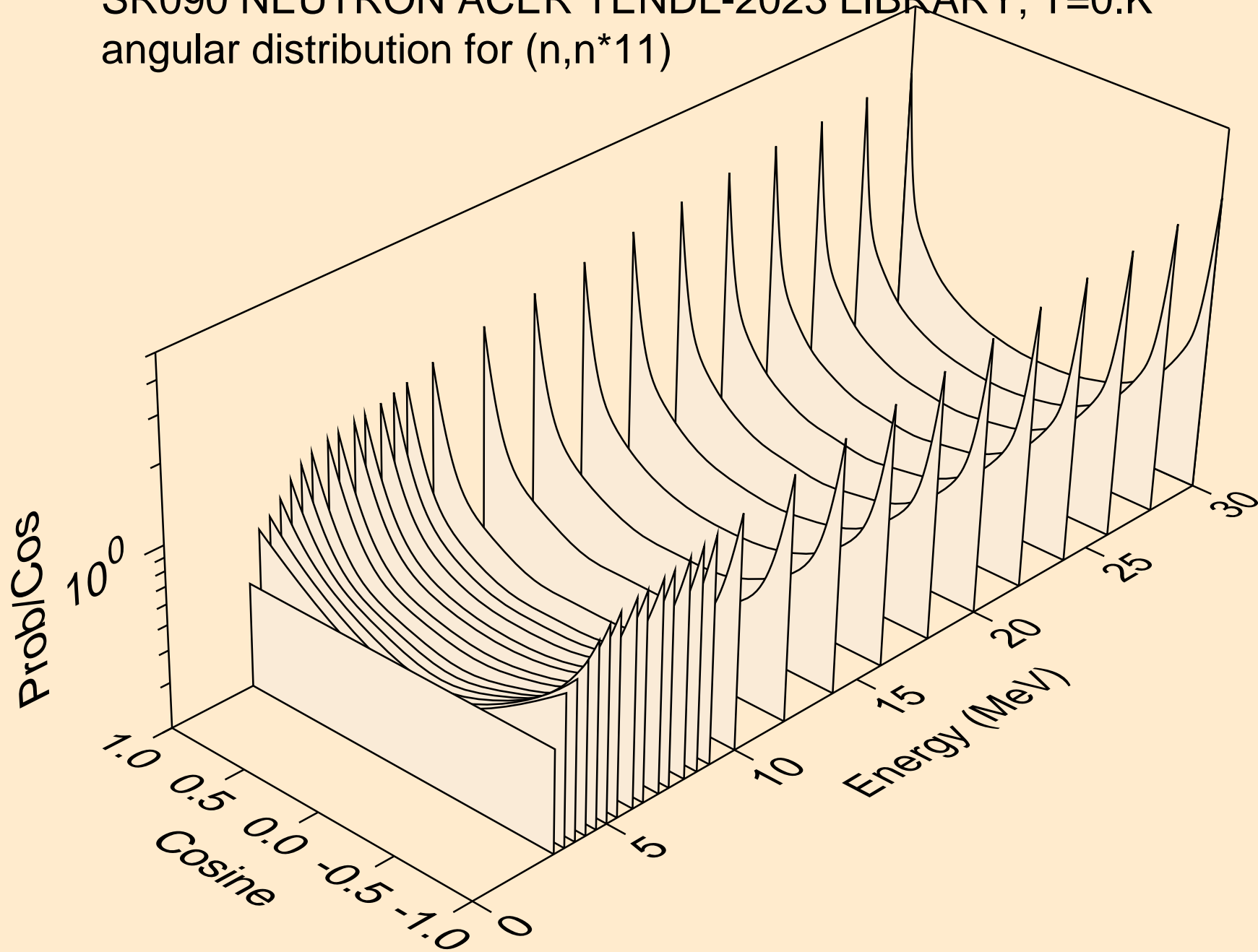
SR090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*9)



SR090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*10)

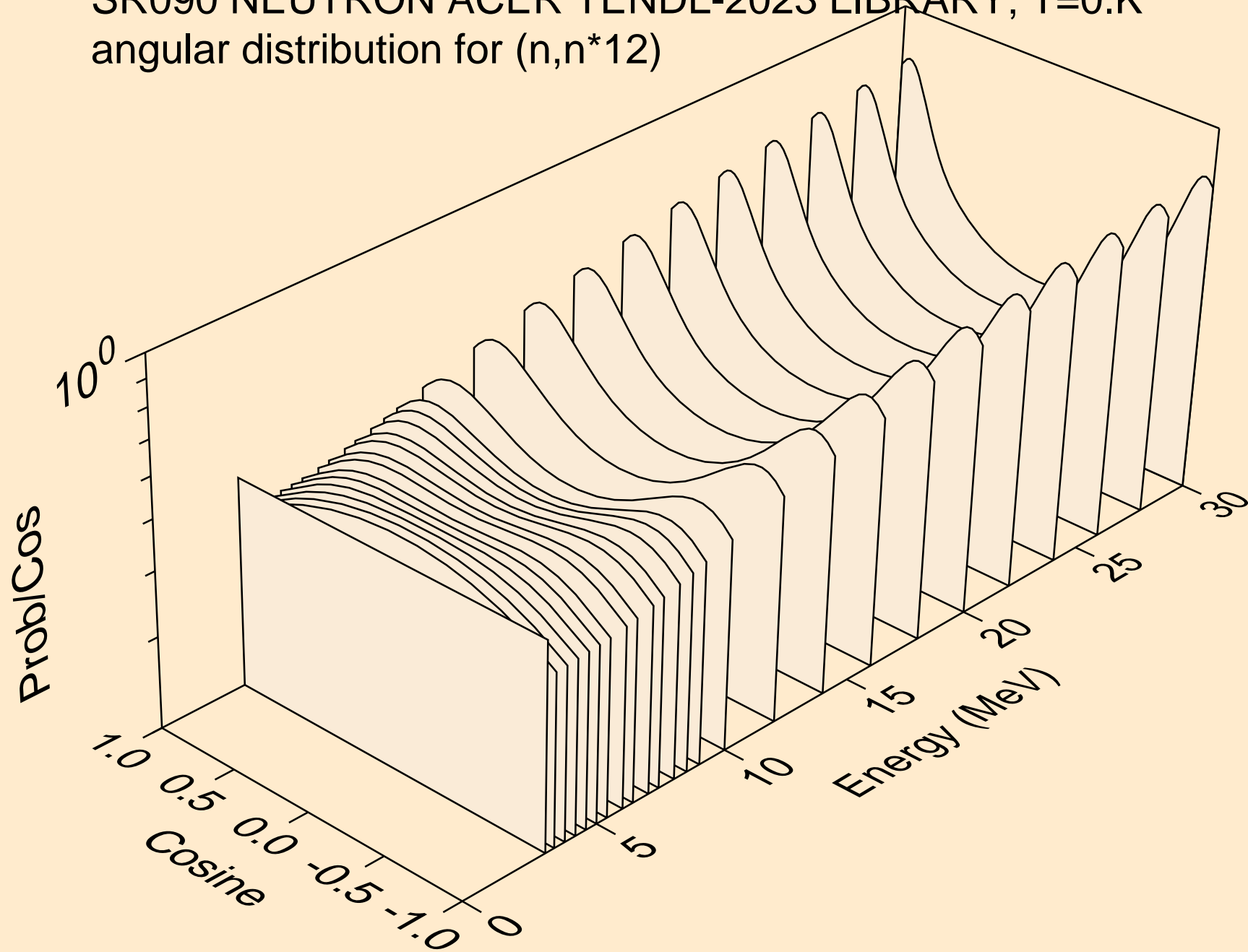


SR090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*11)

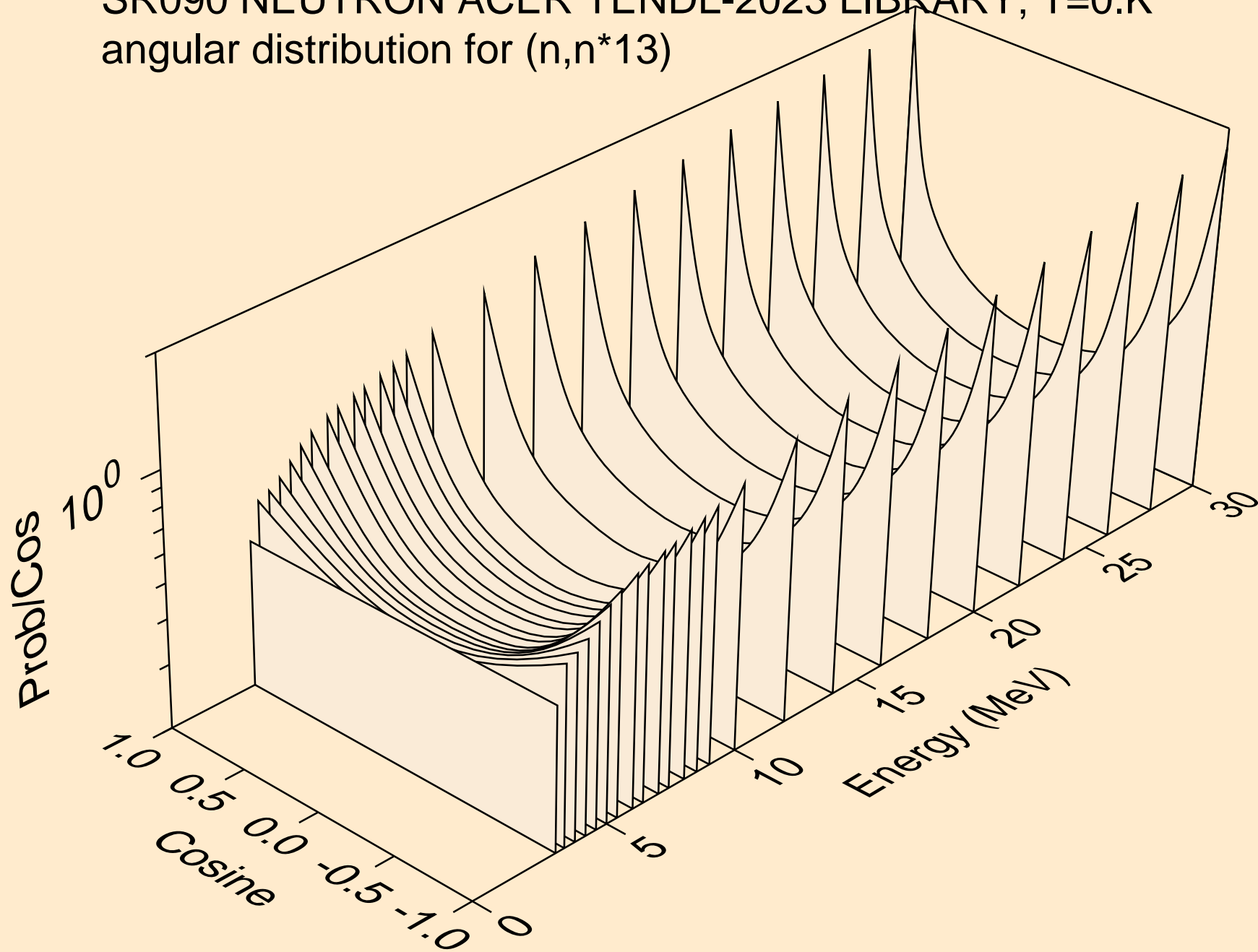




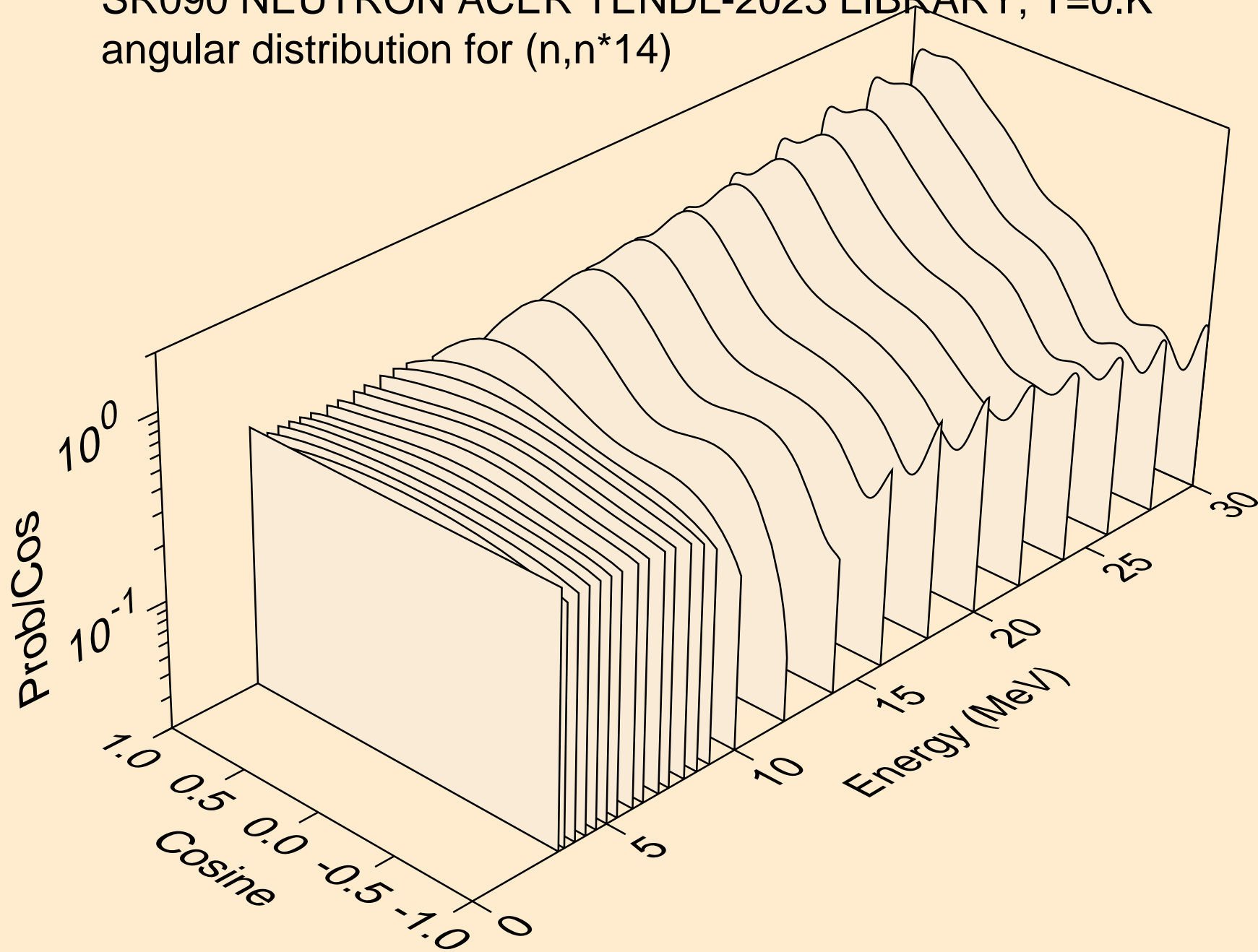
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angular distribution for (n,n\*12)



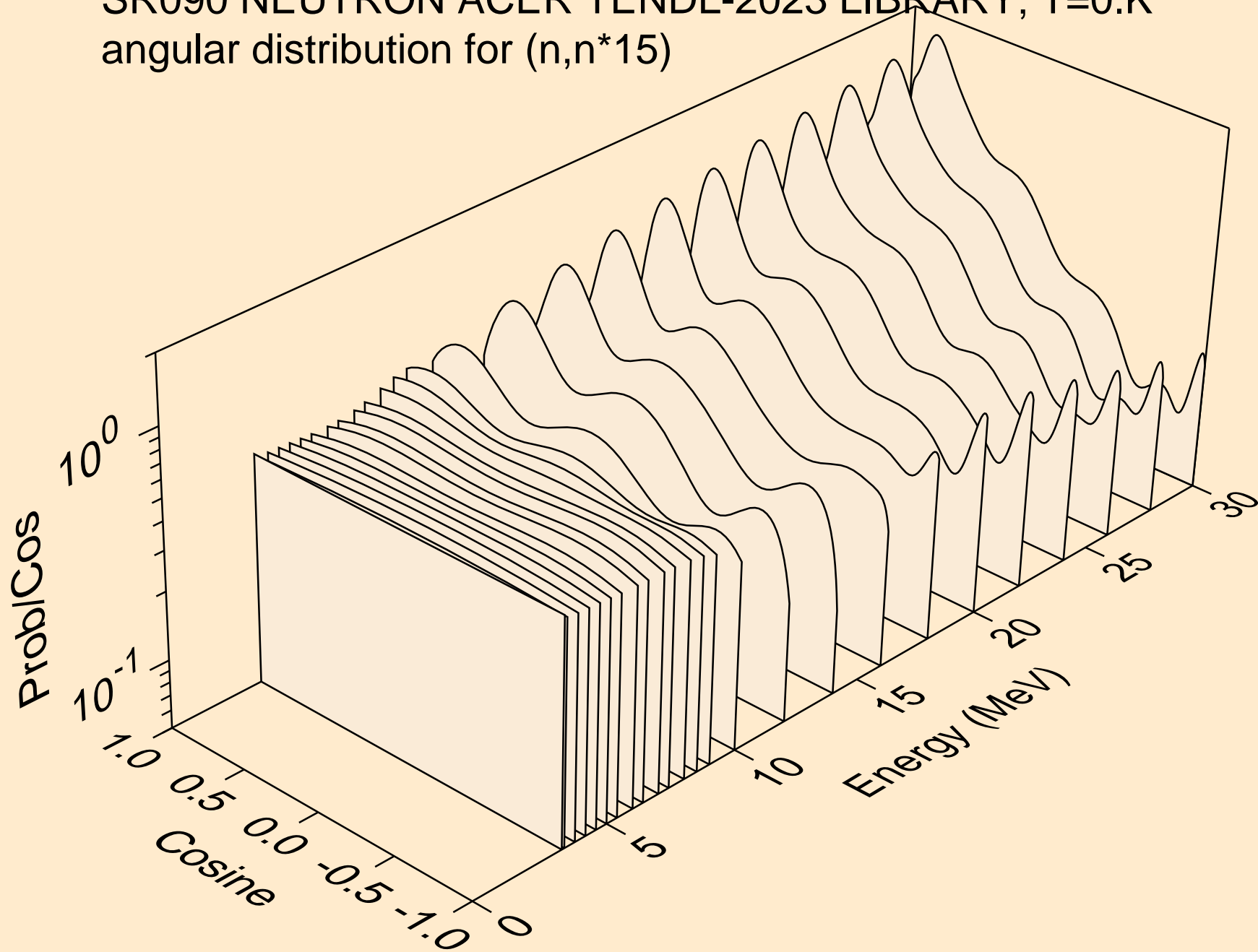
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angular distribution for (n,n\*13)



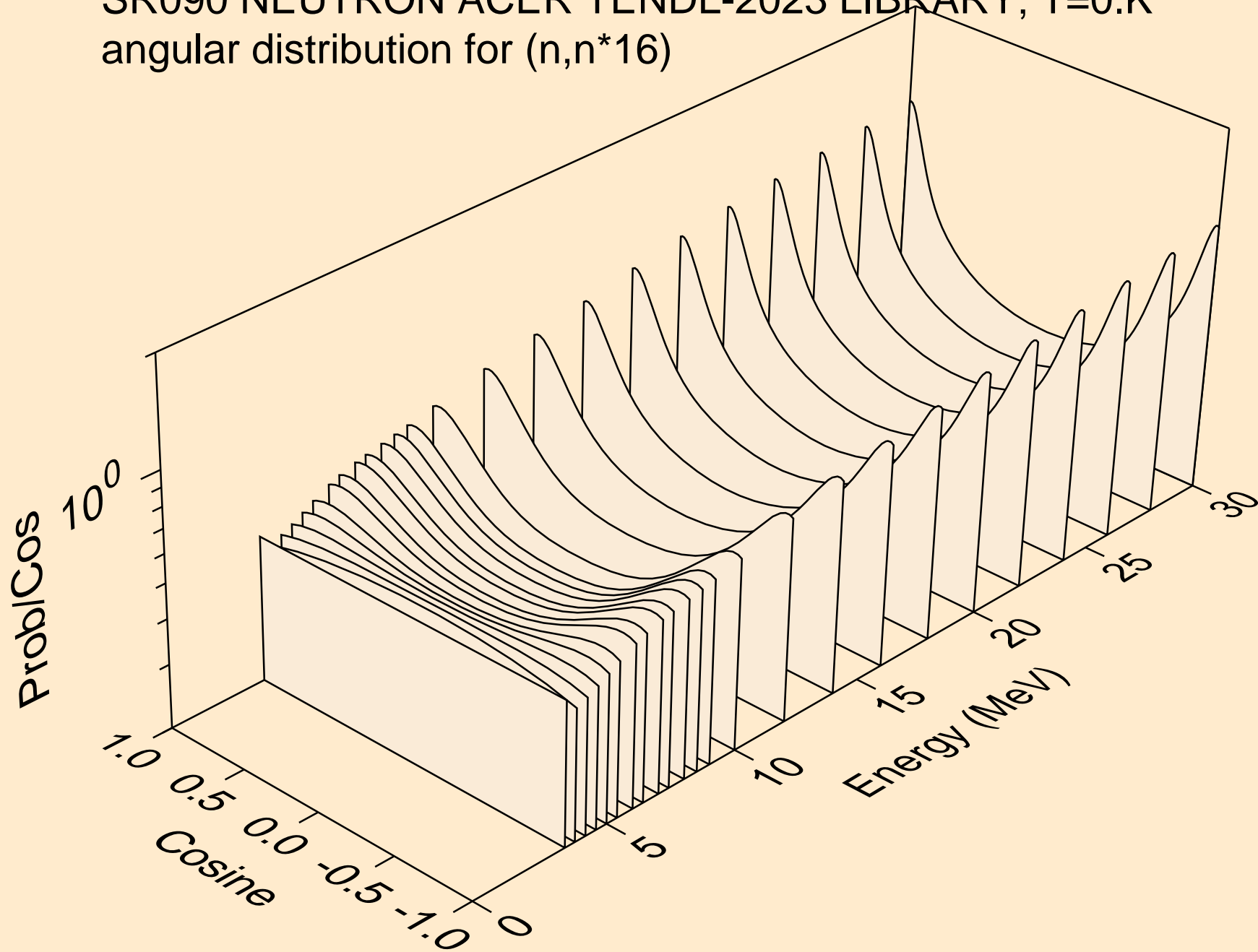
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angular distribution for (n,n\*14)



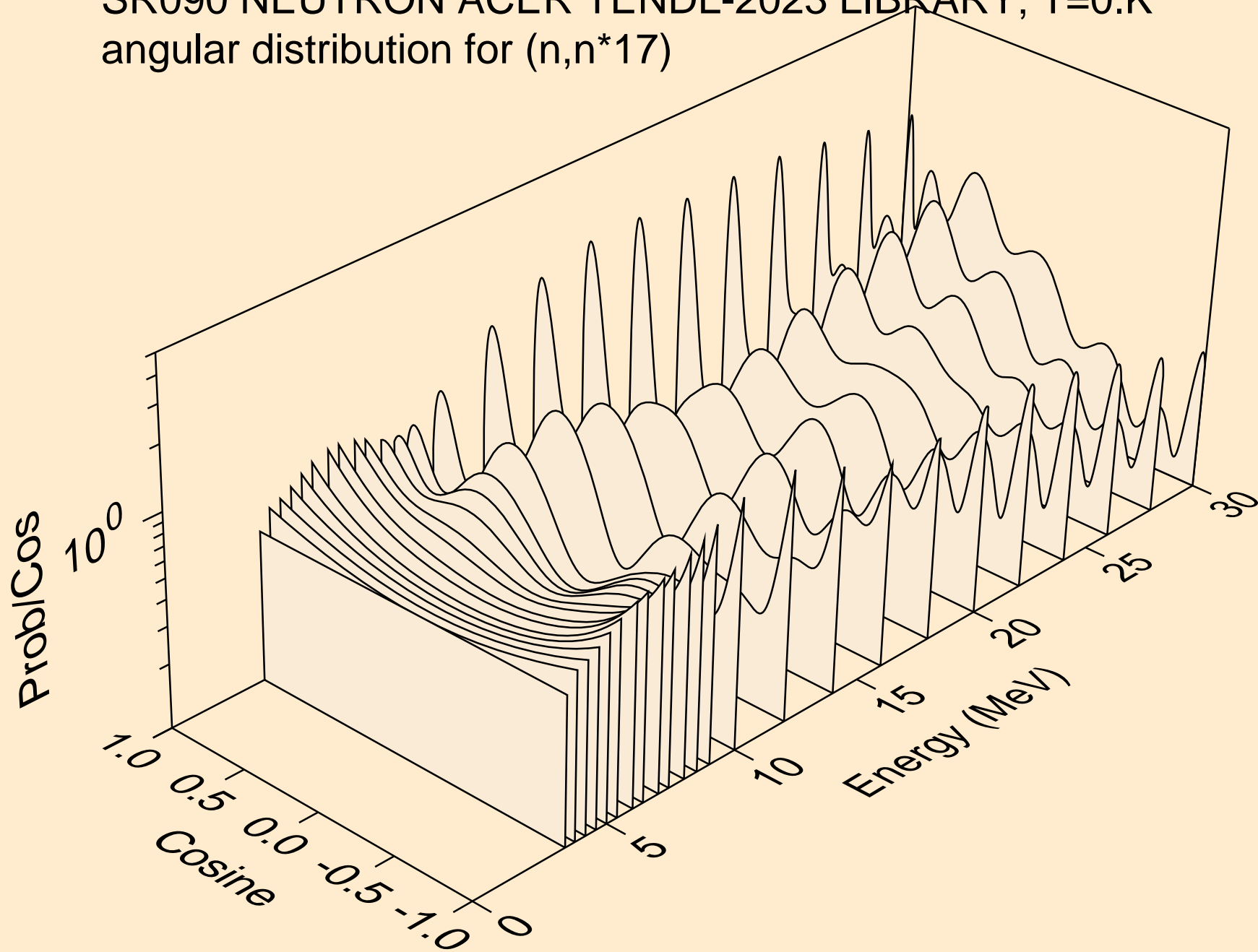
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angular distribution for (n,n\*15)



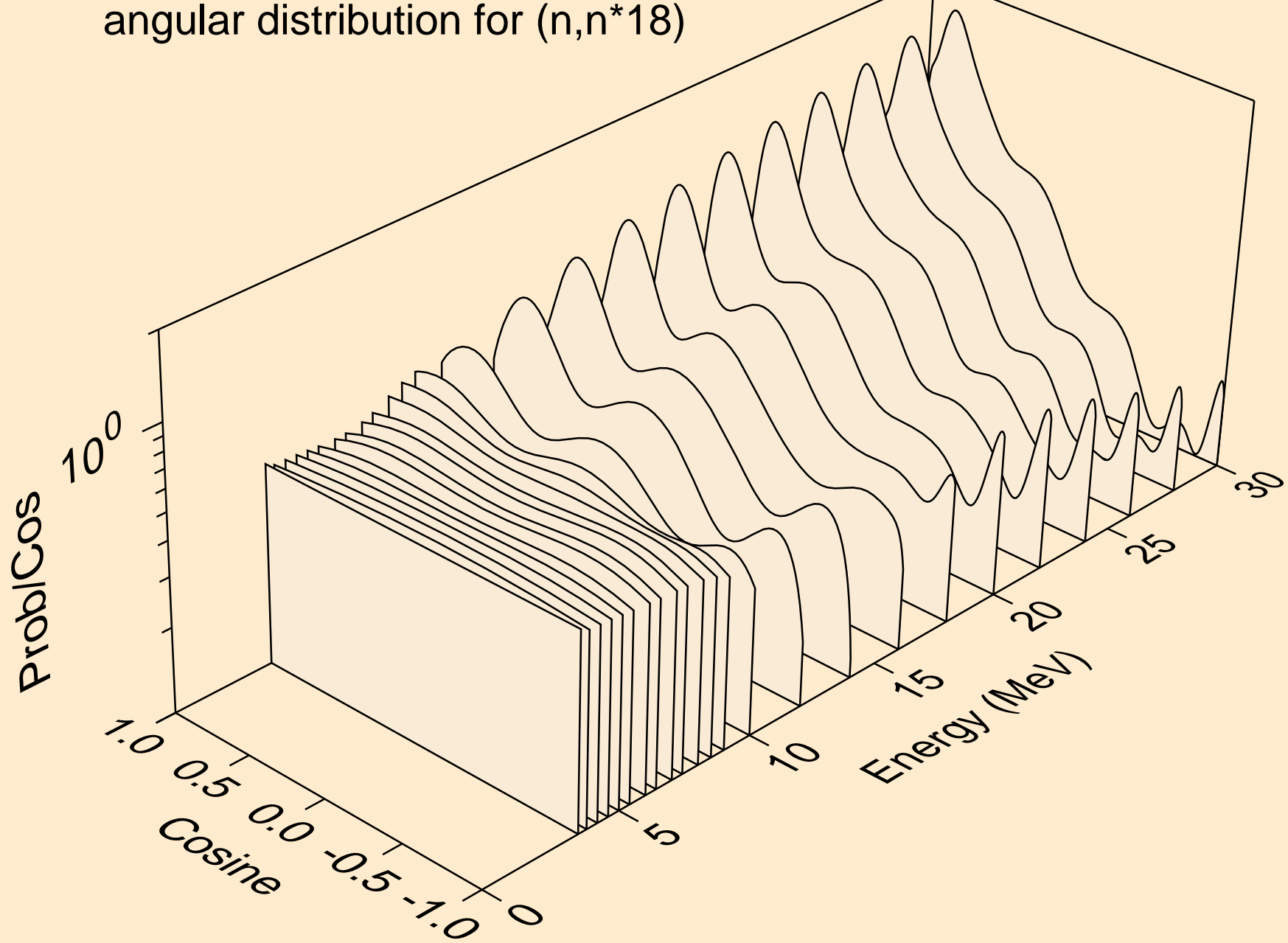
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angular distribution for (n,n\*16)



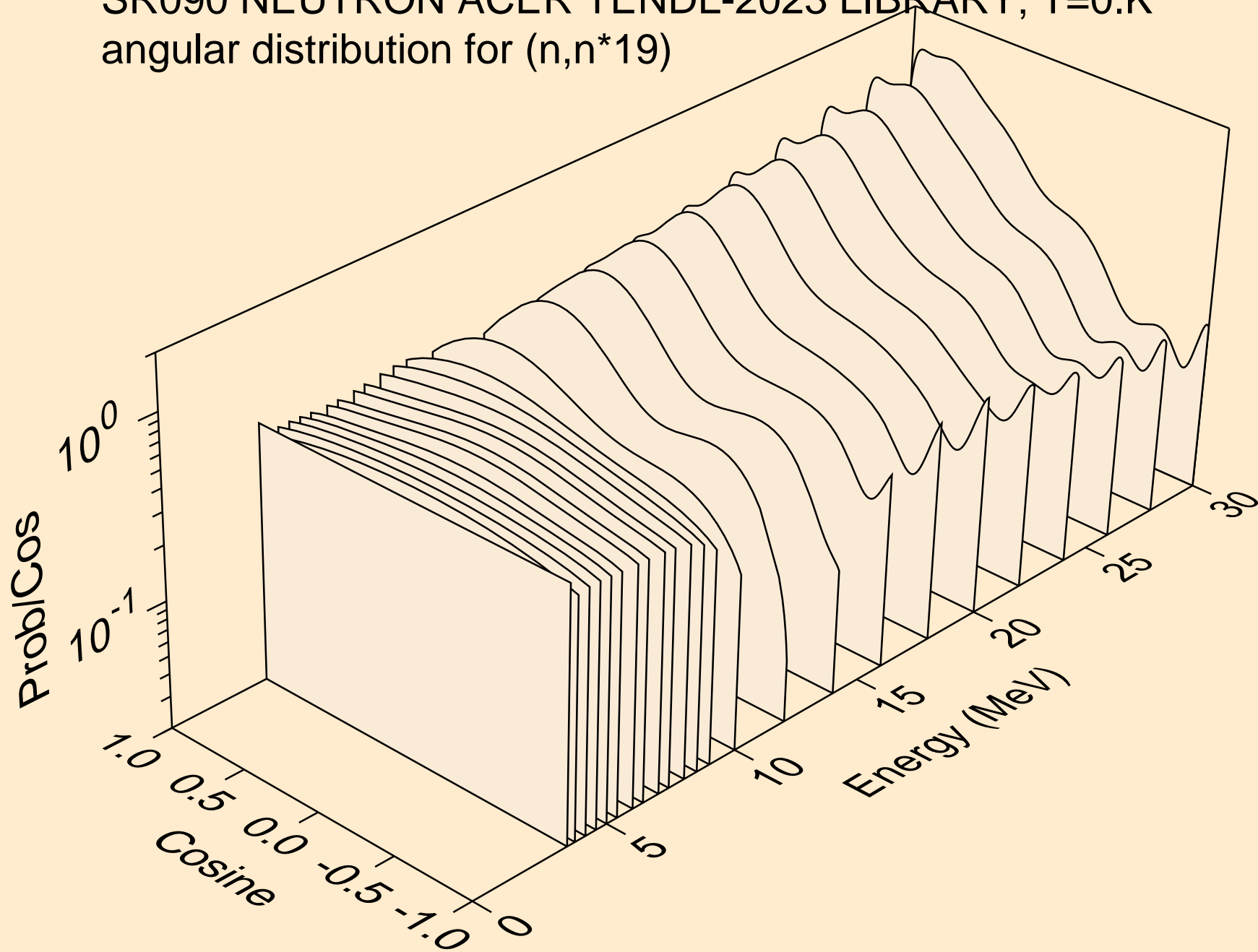
SR090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*17)



SR090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*18)

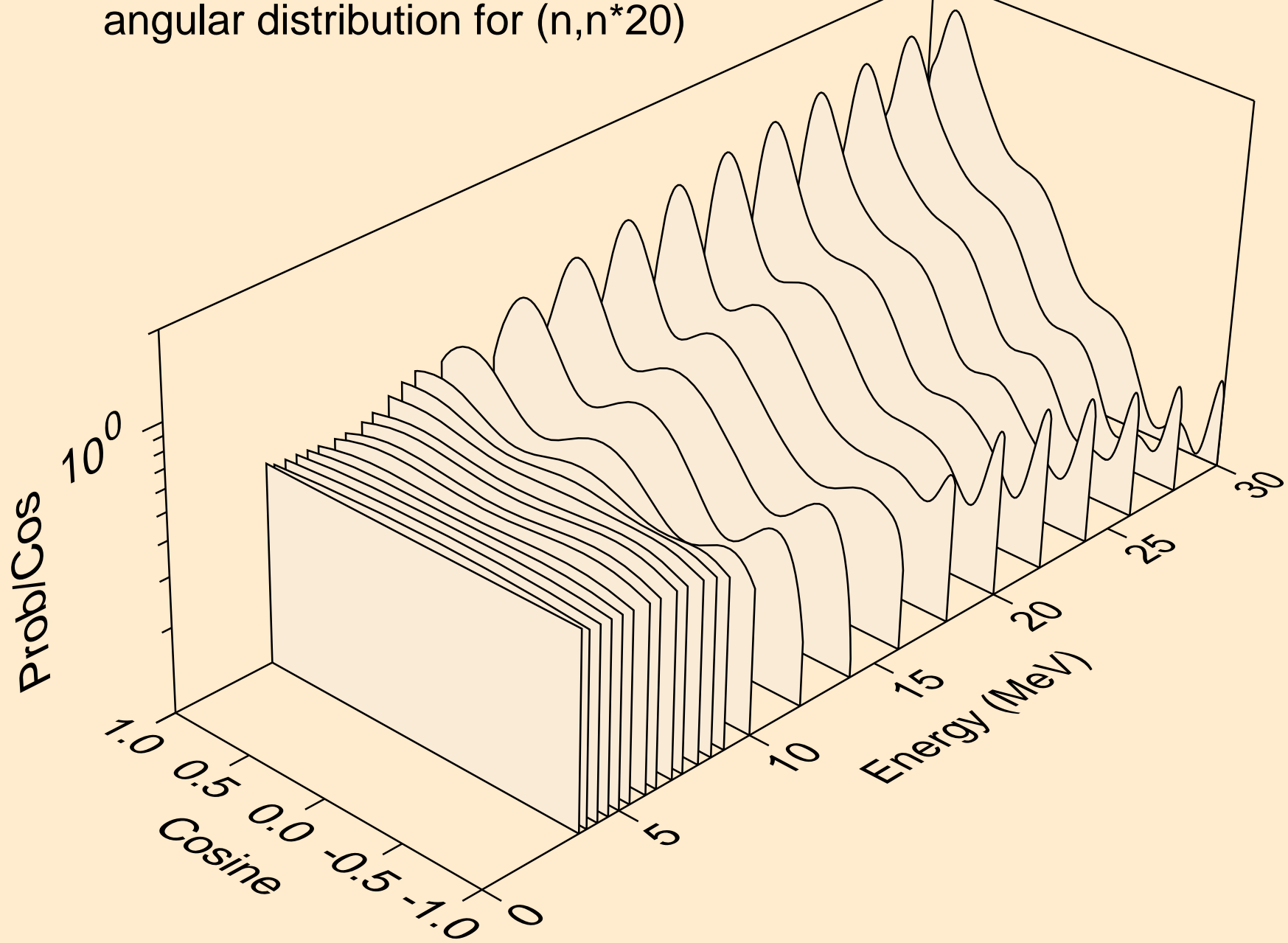


SR090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*19)

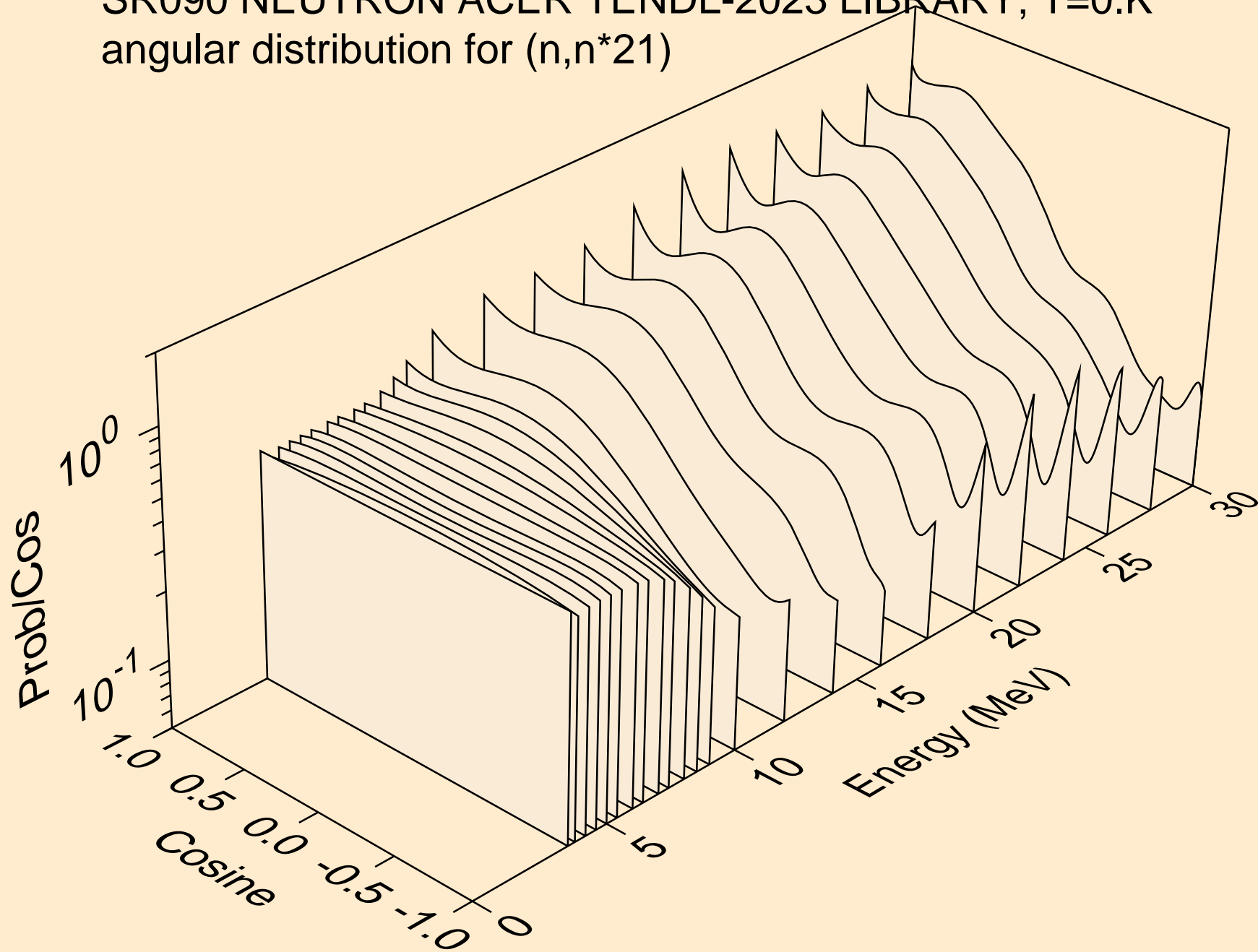




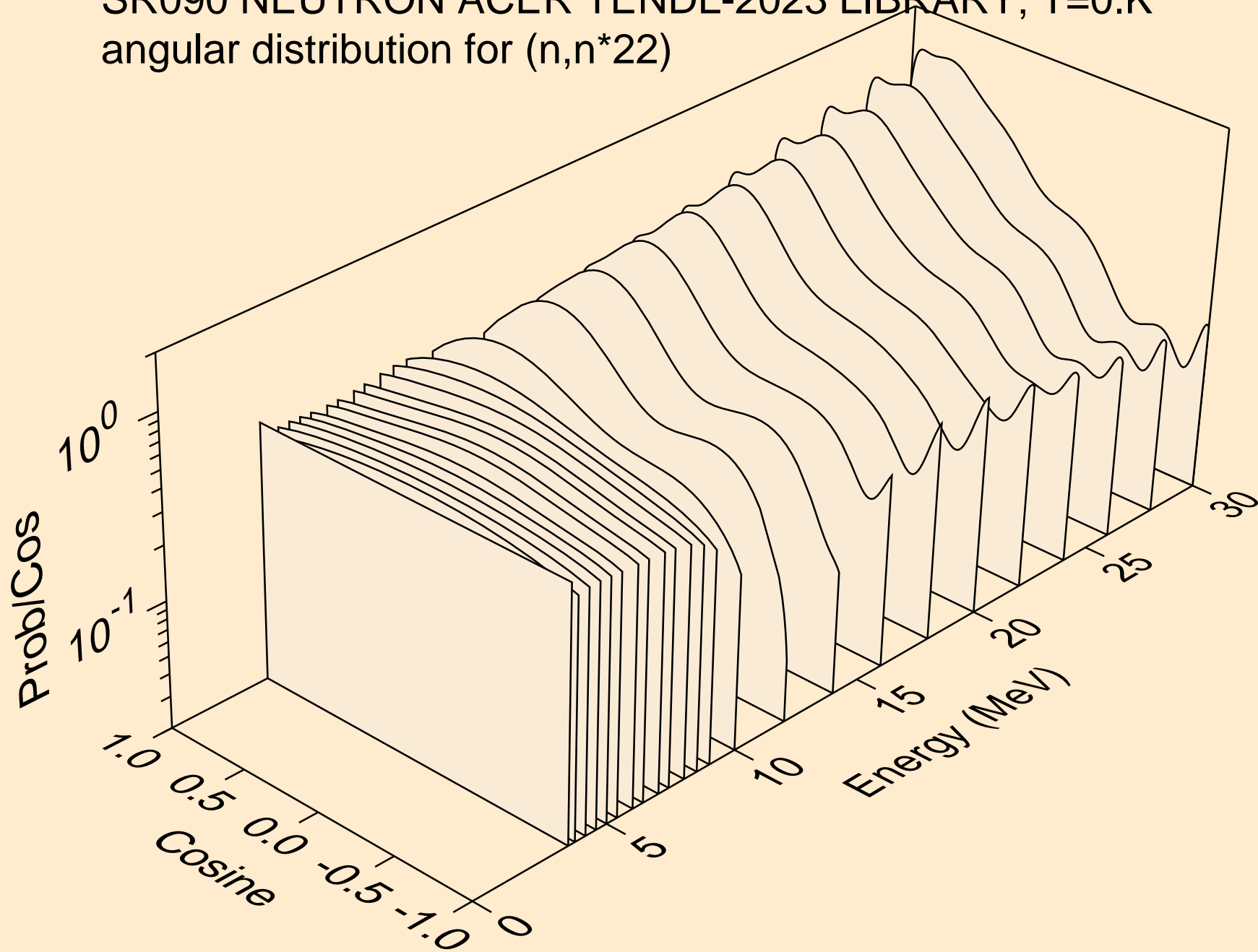
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angular distribution for (n,n\*20)



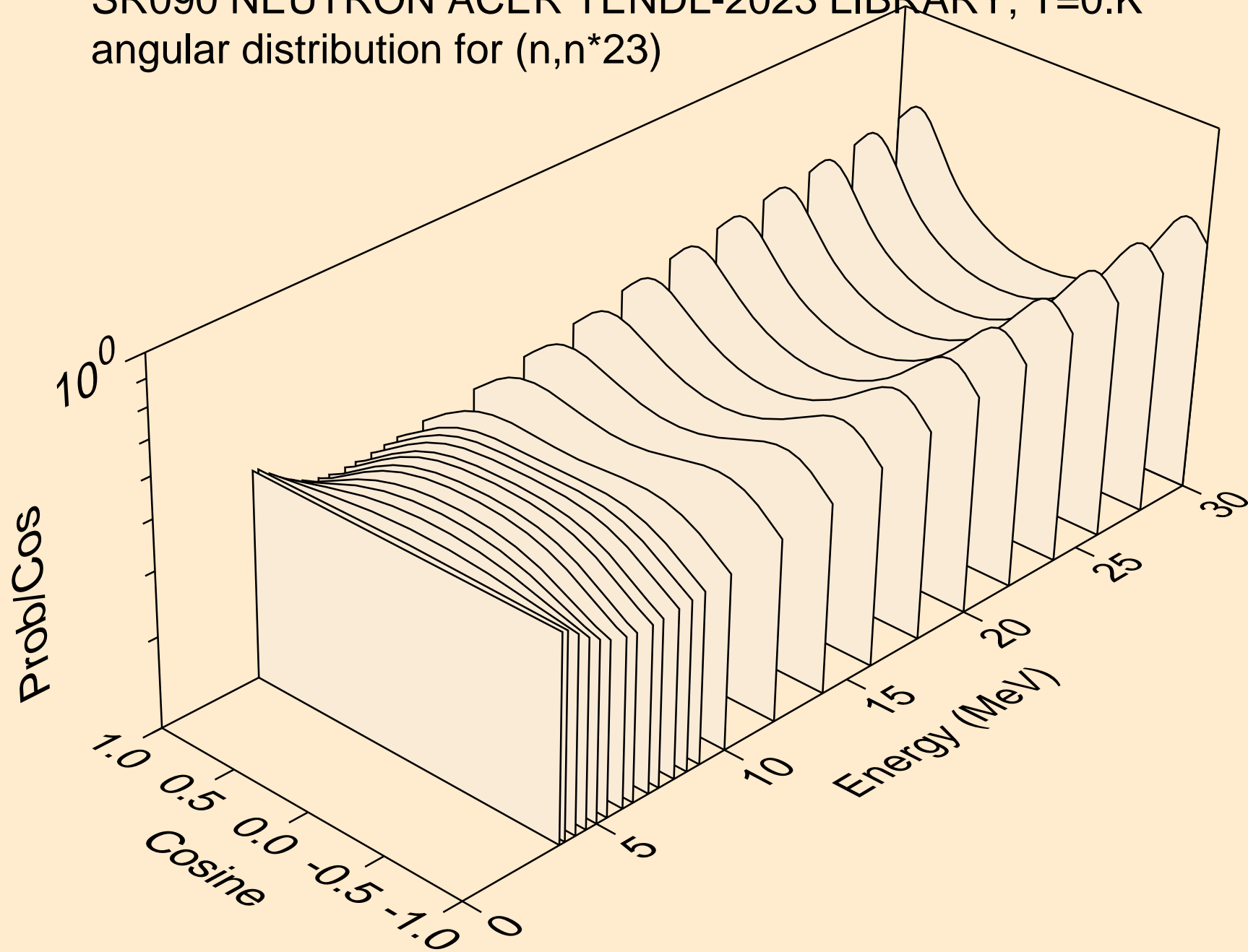
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angular distribution for (n,n\*21)



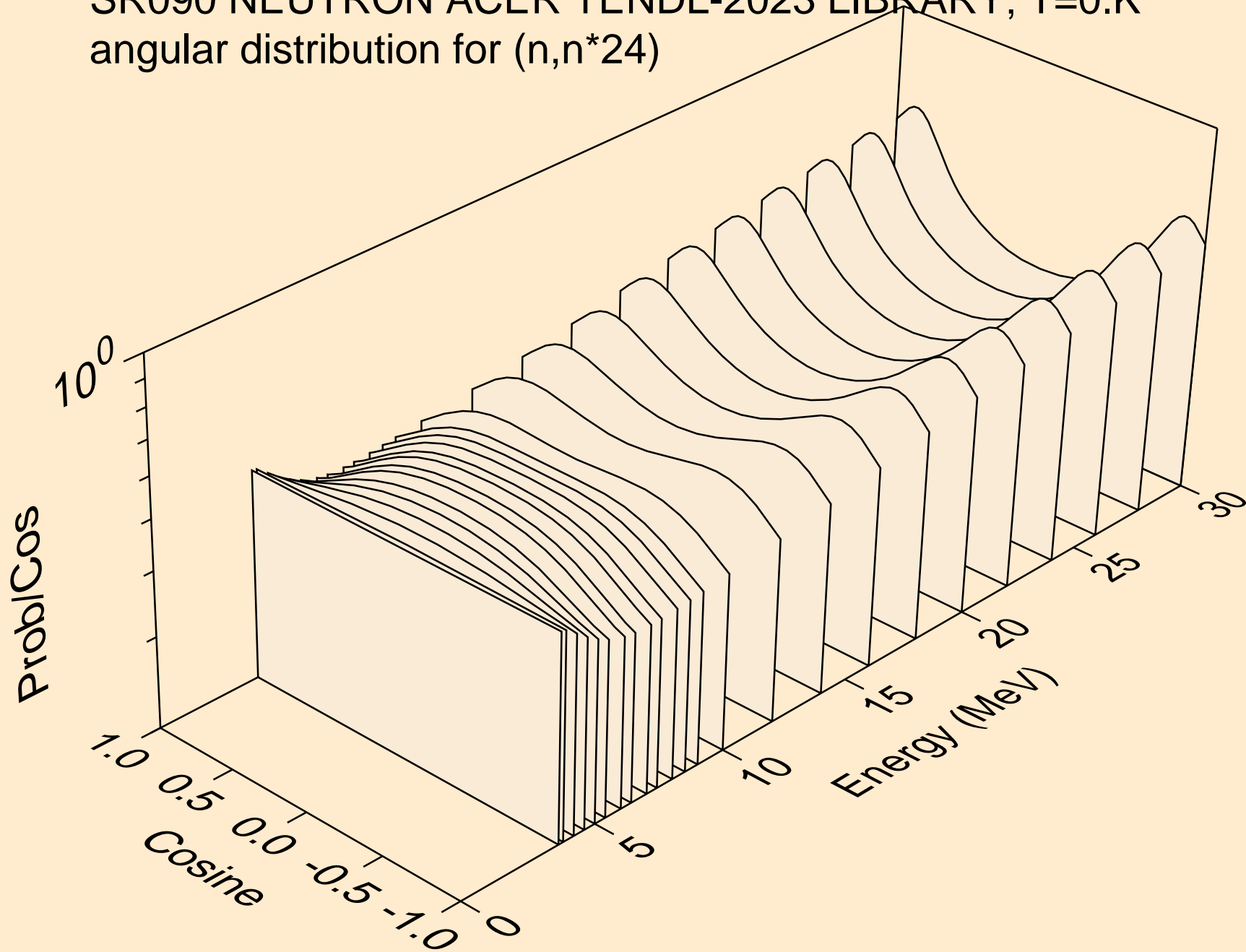
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angular distribution for (n,n\*22)



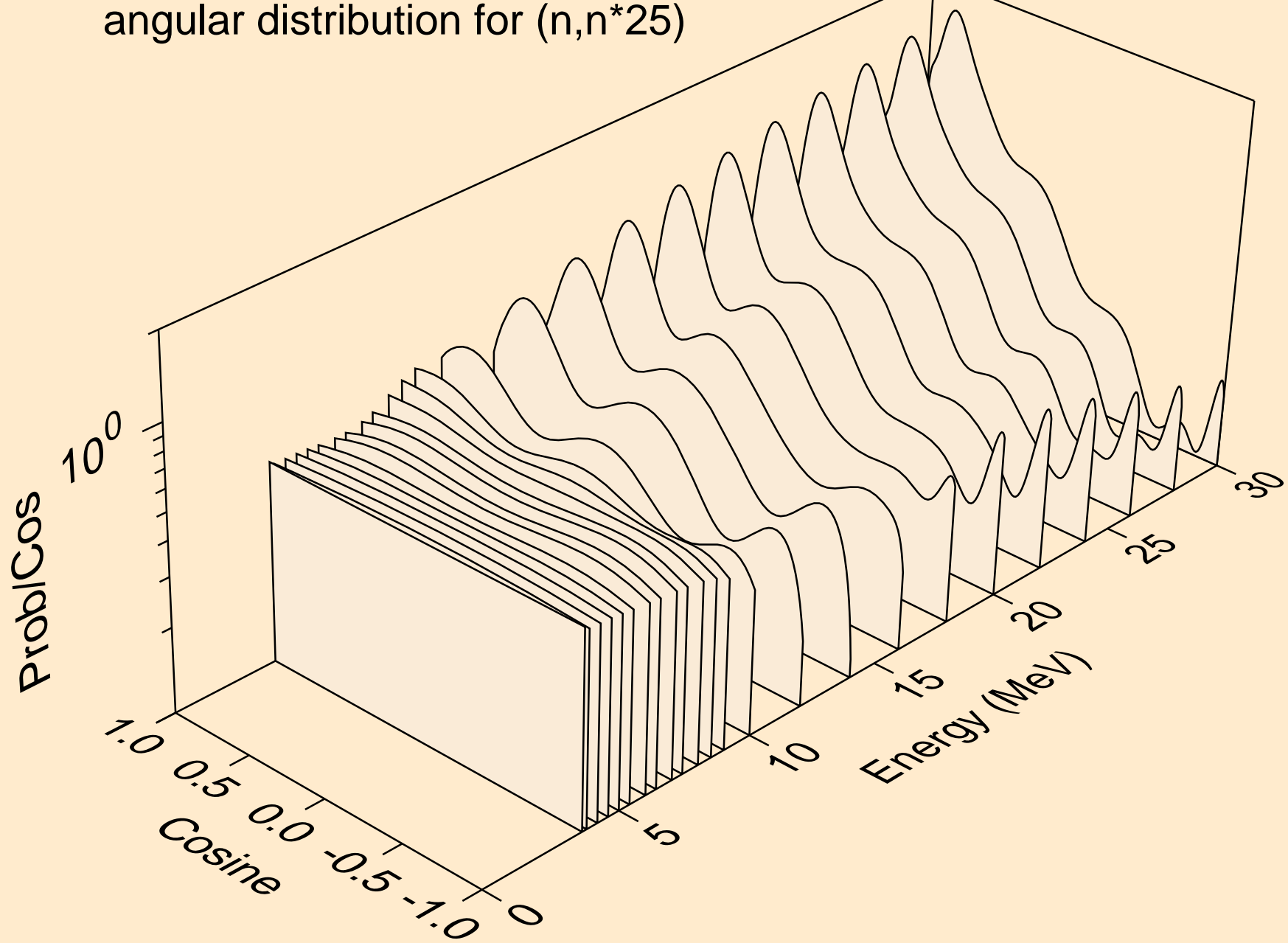
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angular distribution for (n,n\*23)



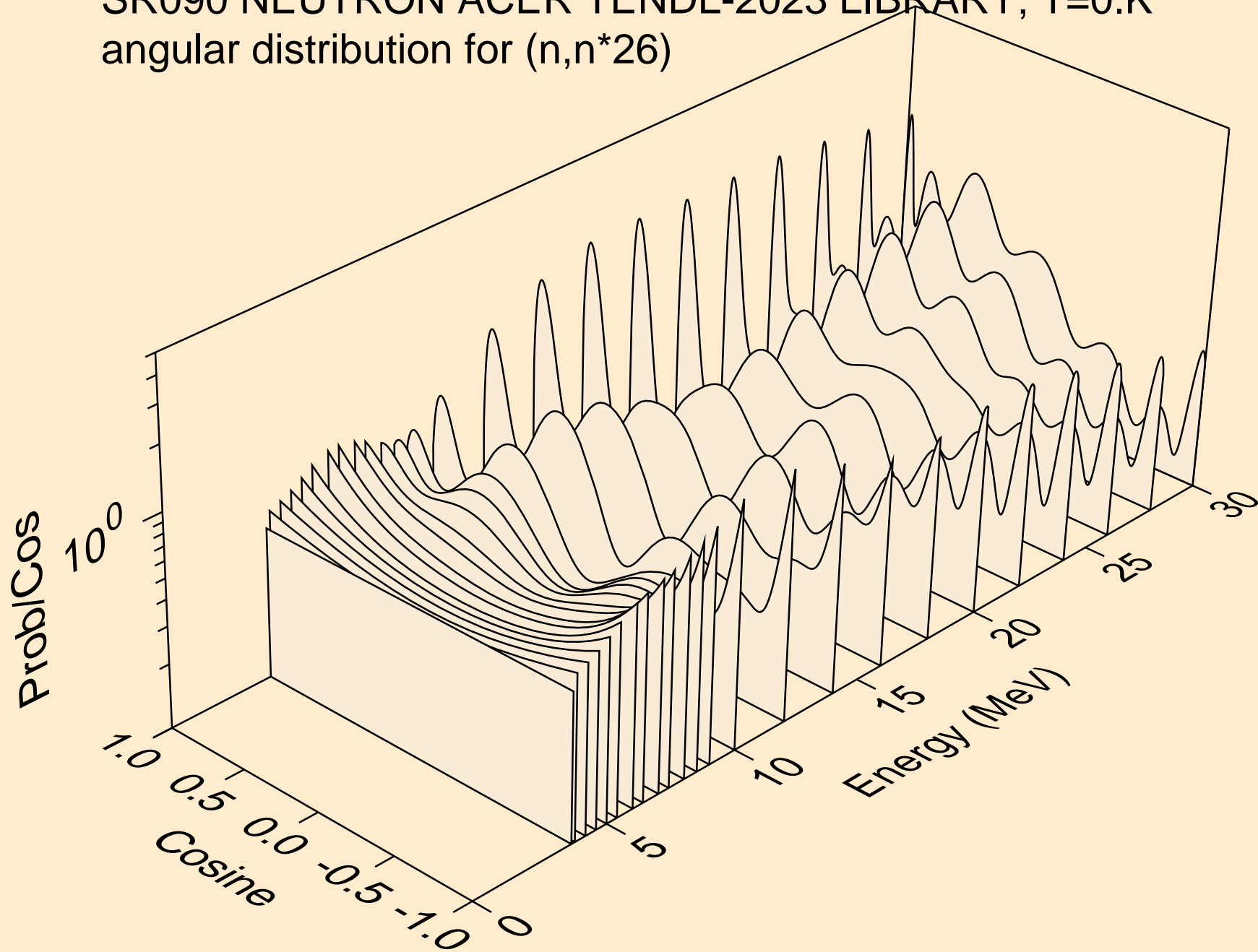
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angular distribution for (n,n\*24)



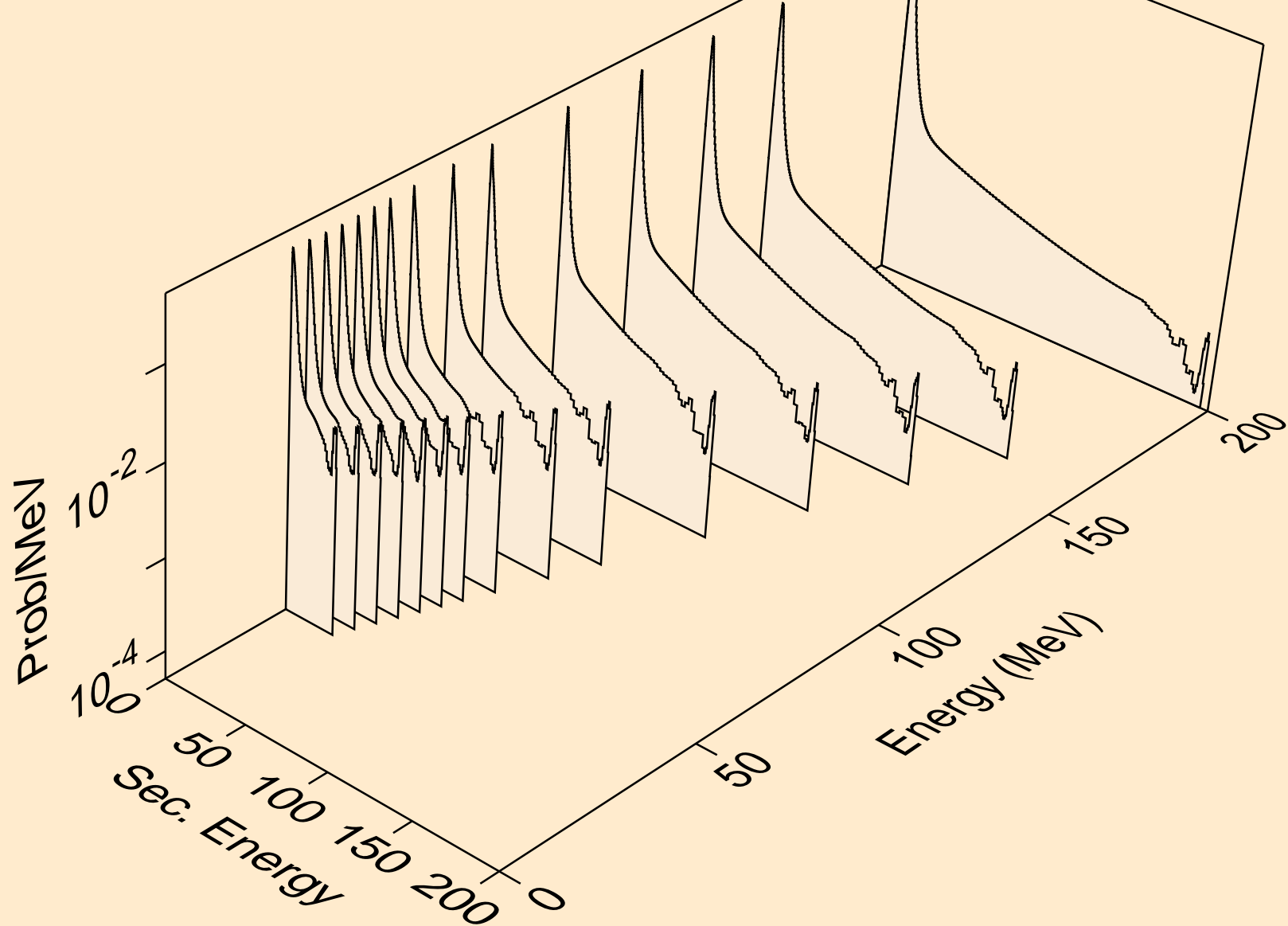
SR090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*25)



SR090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*26)

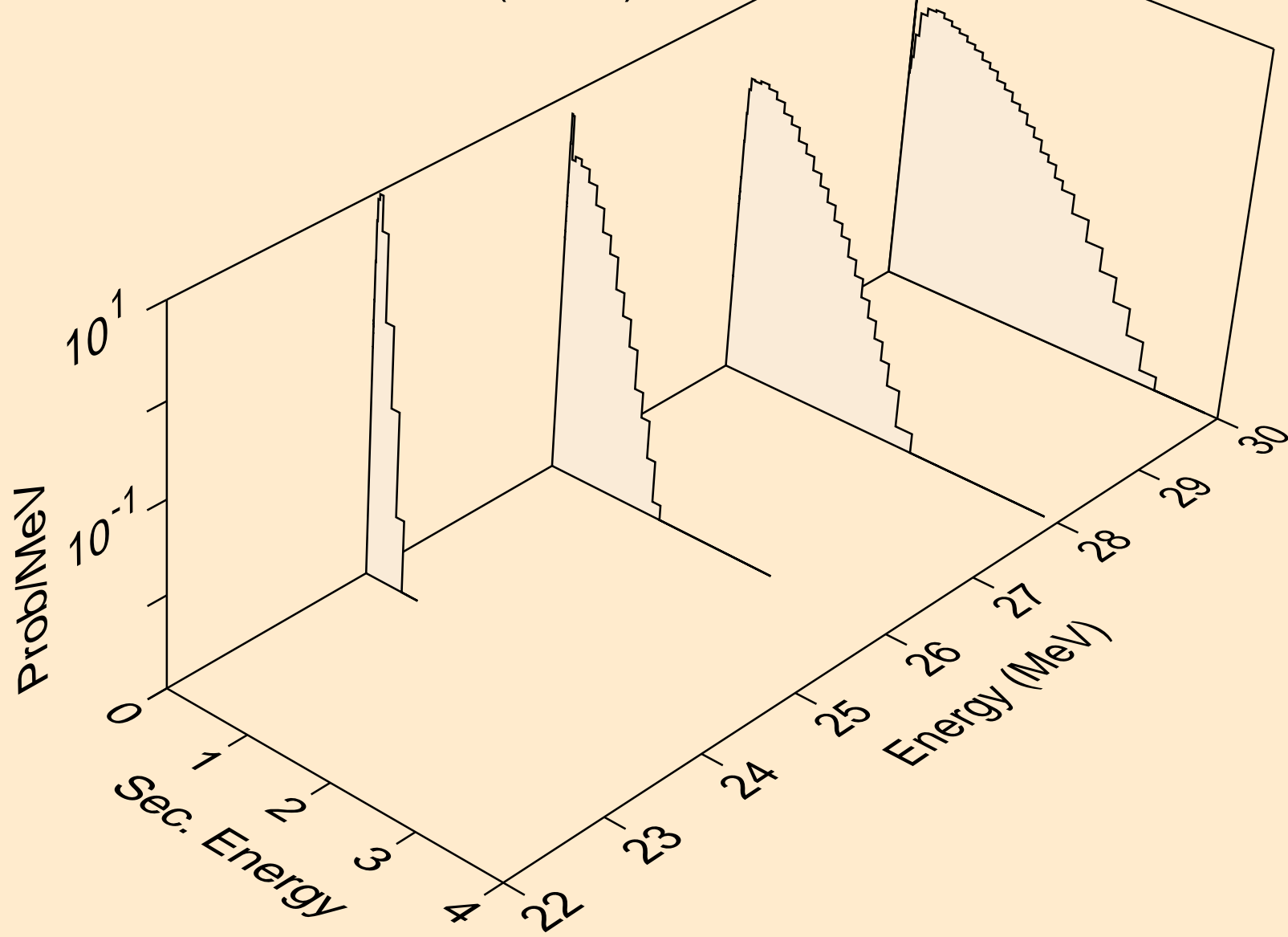


SR090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,x)

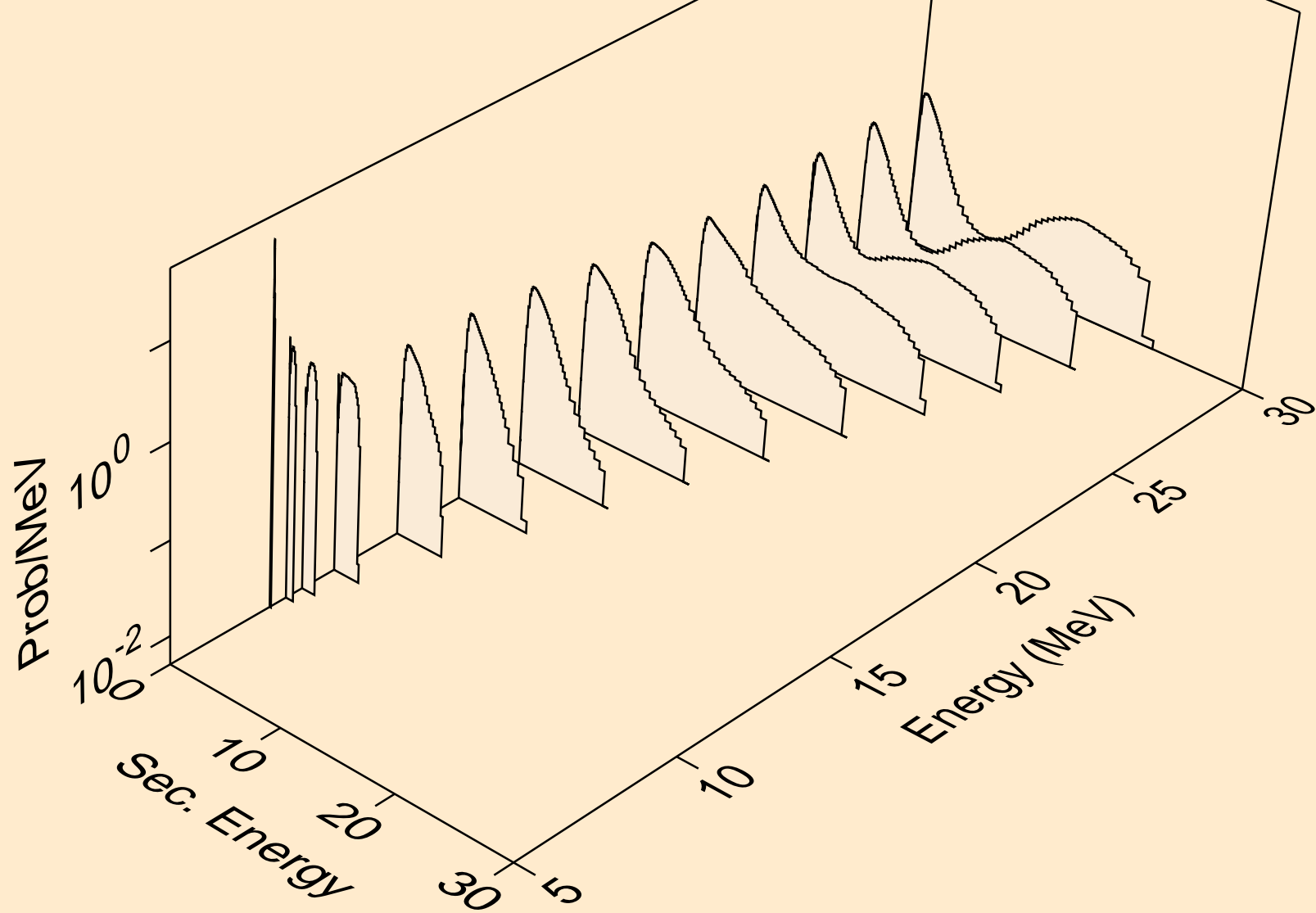




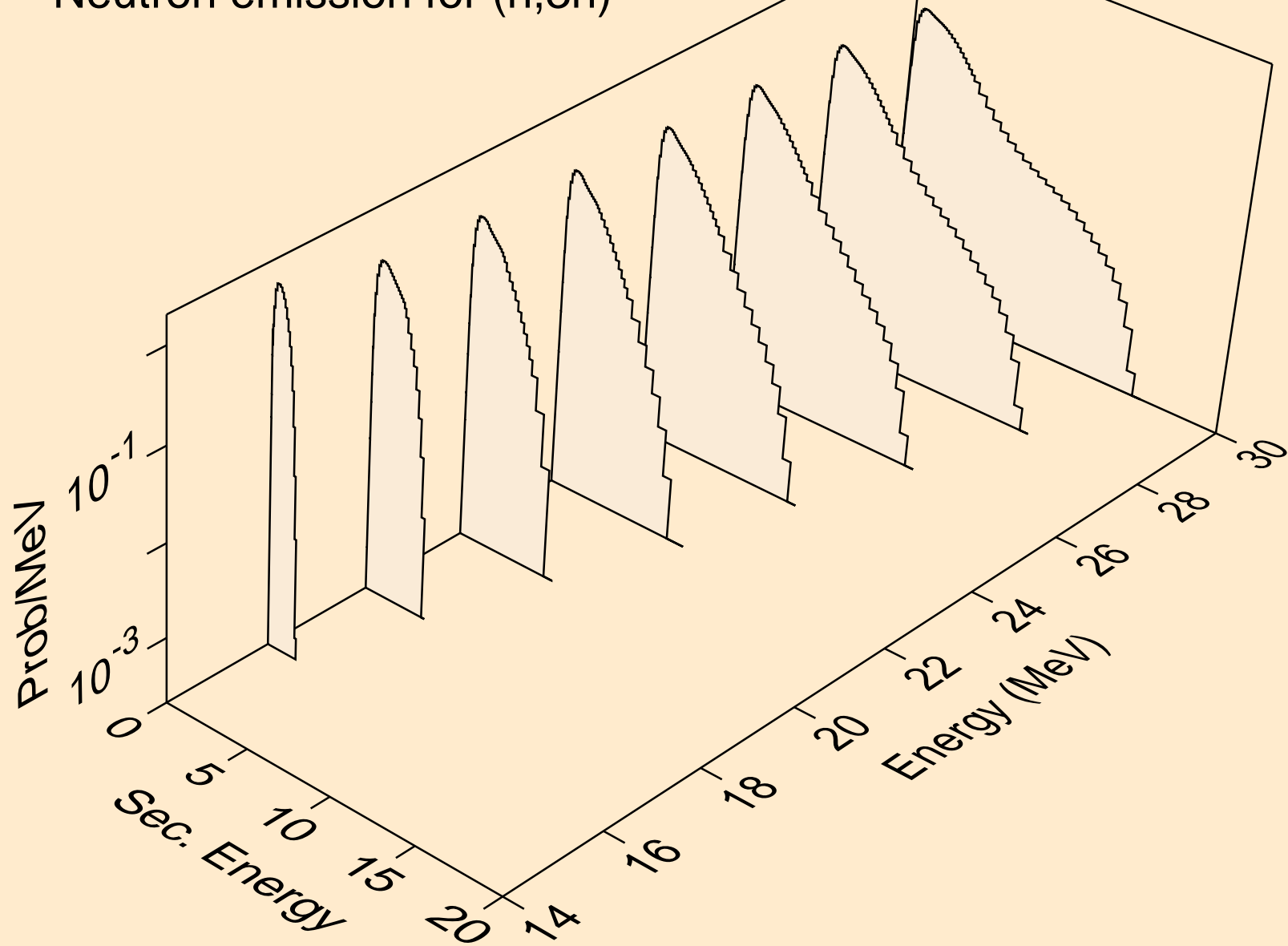
SR090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



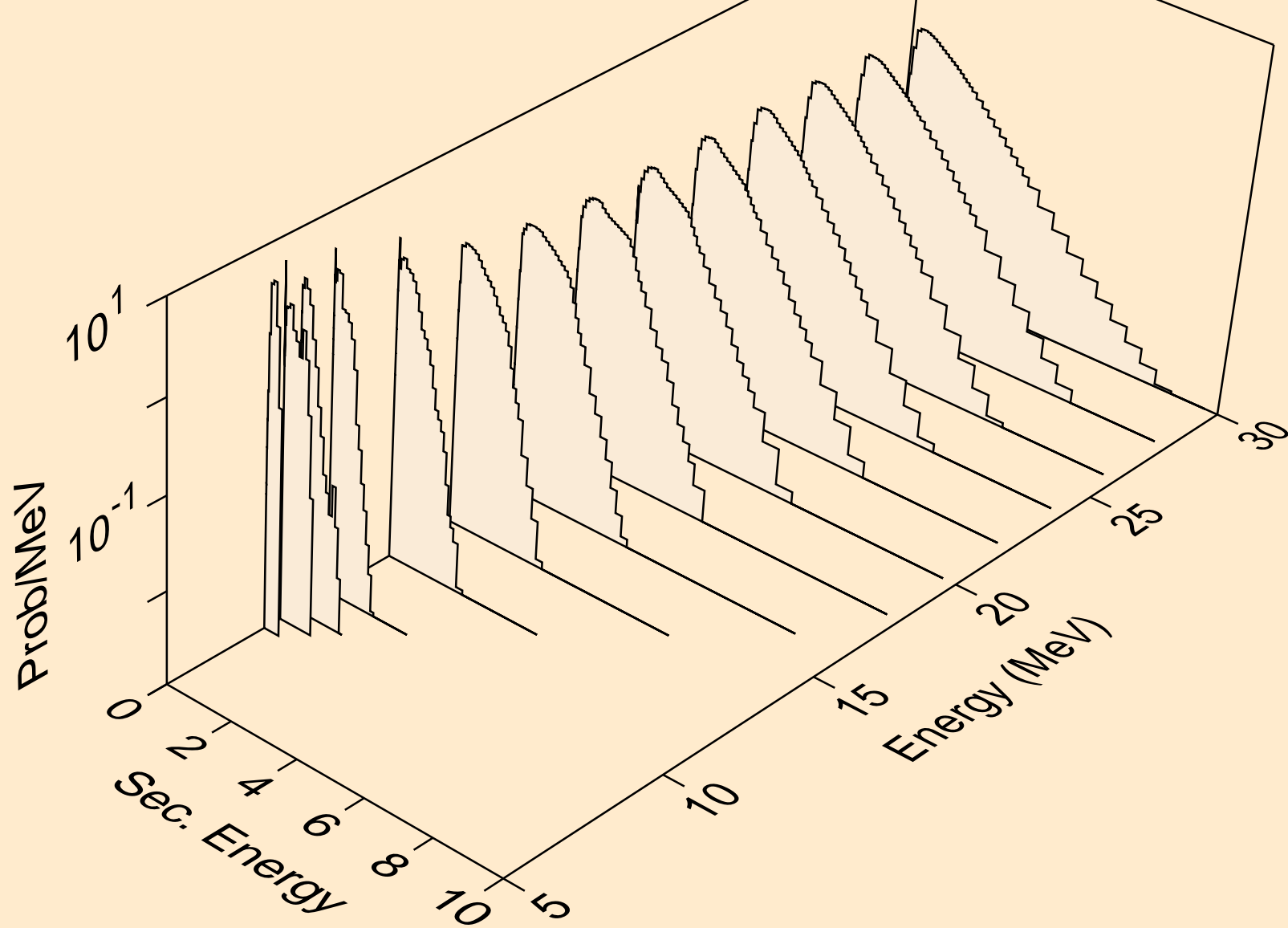
SR090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)



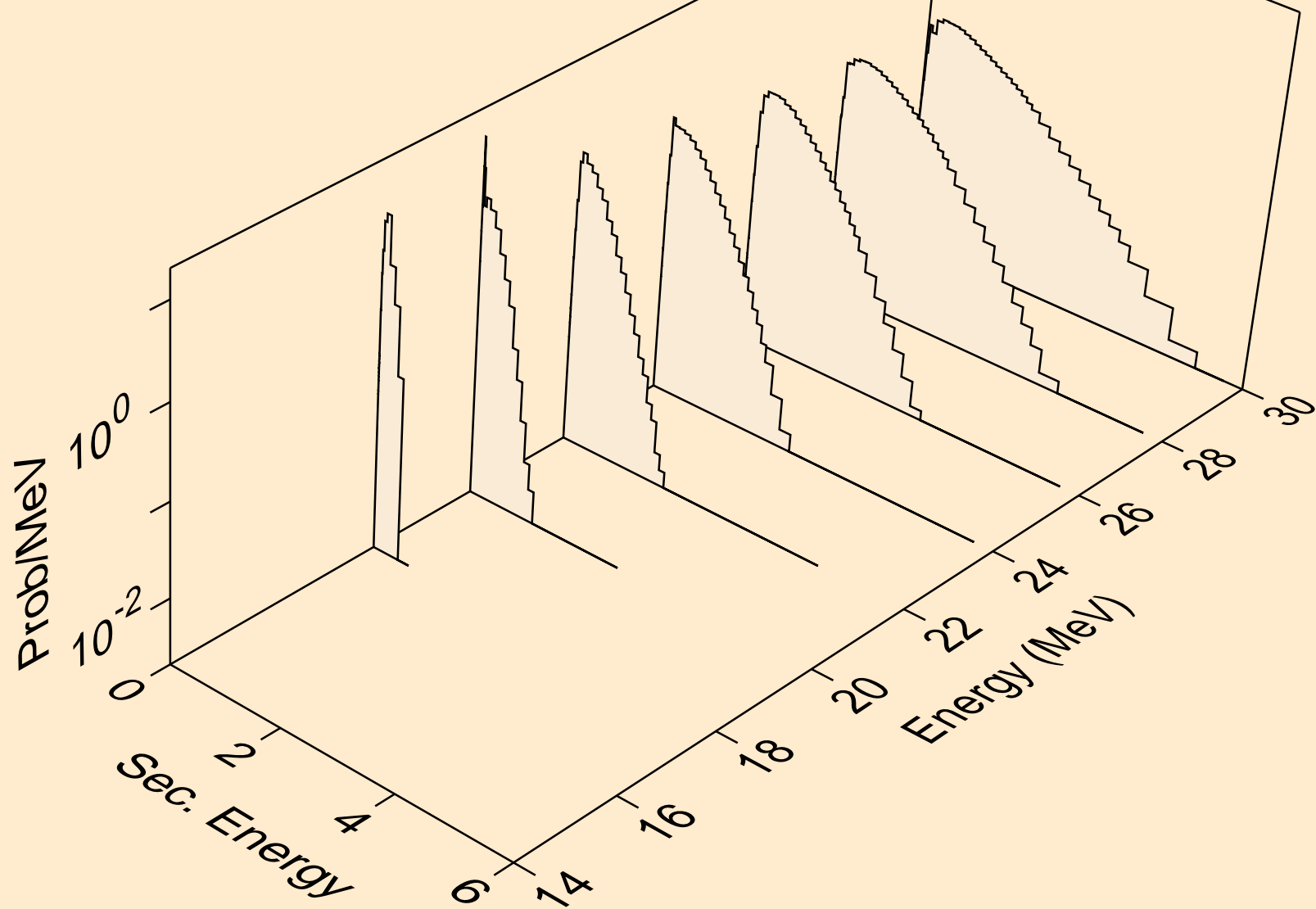
SR090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)



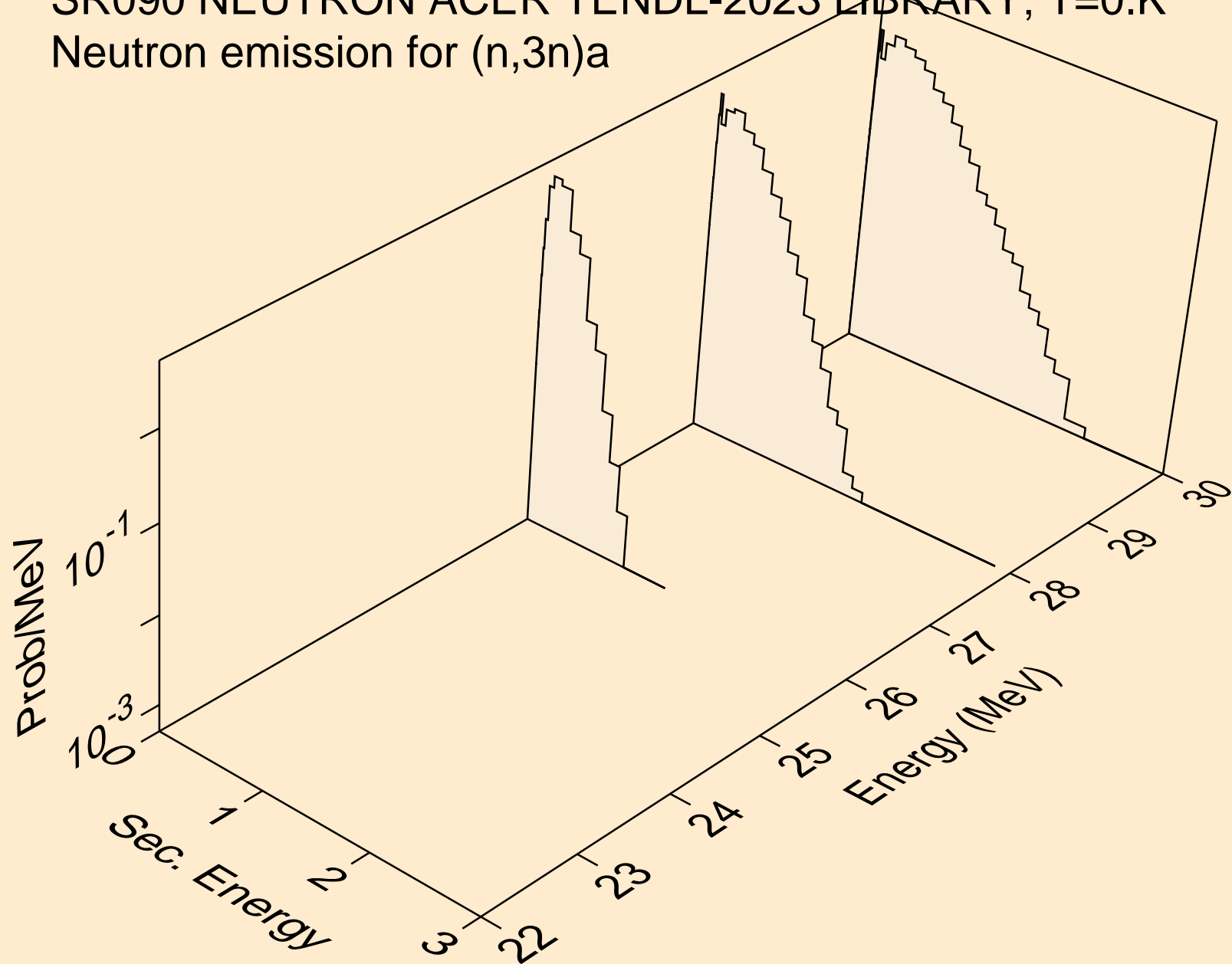
SR090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



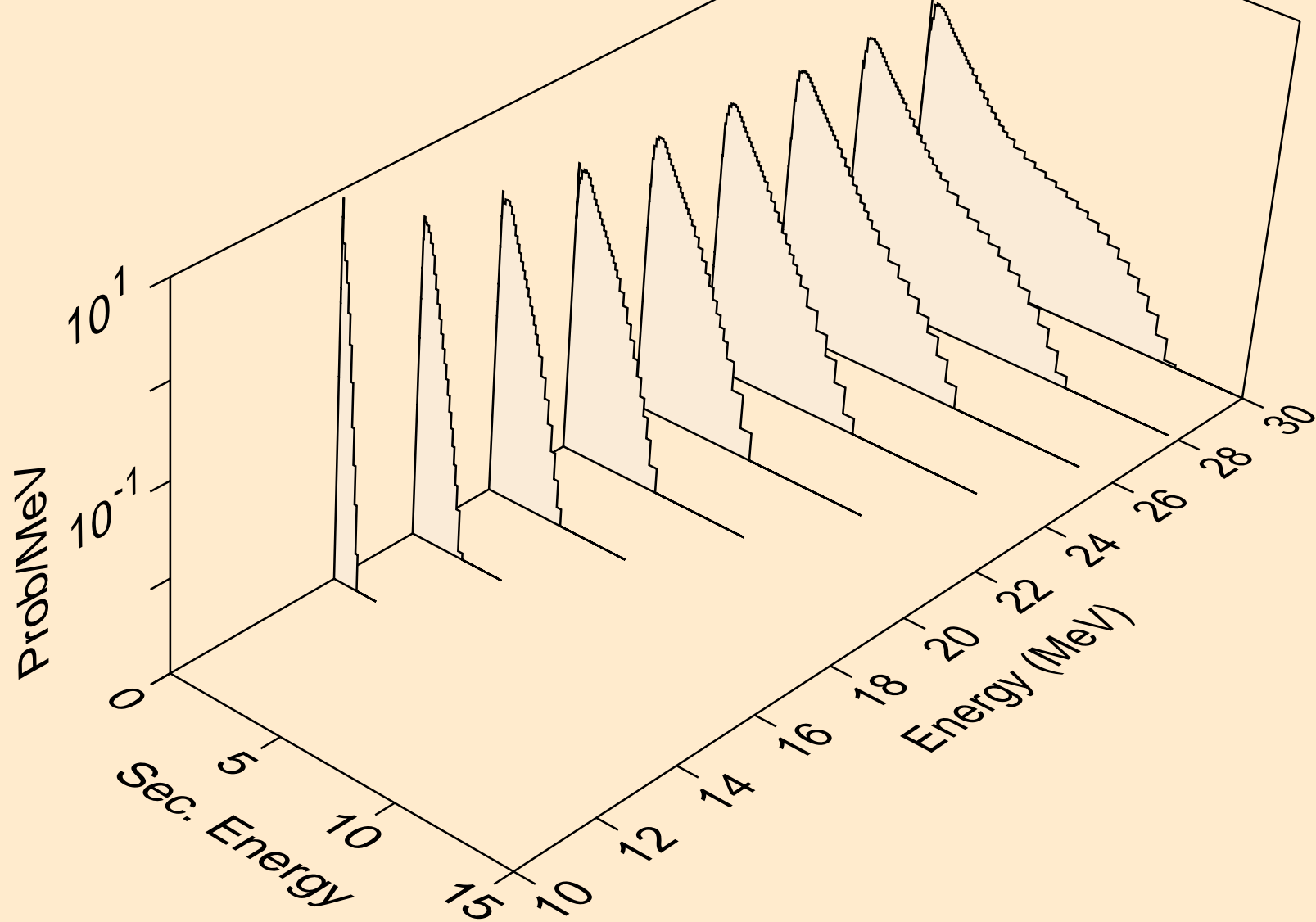
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Neutron emission for (n,2n)a



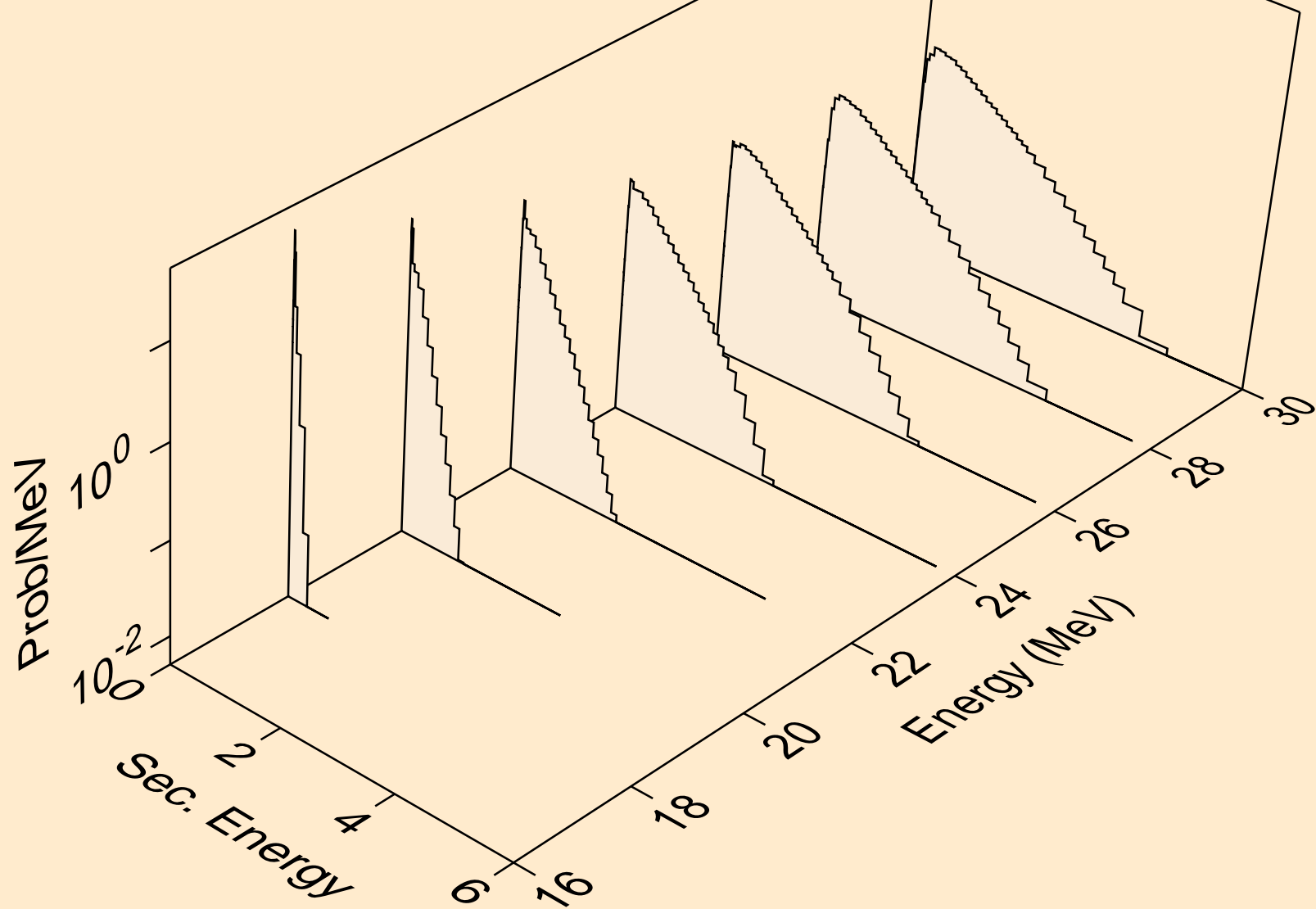
SR090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)a



SR090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p

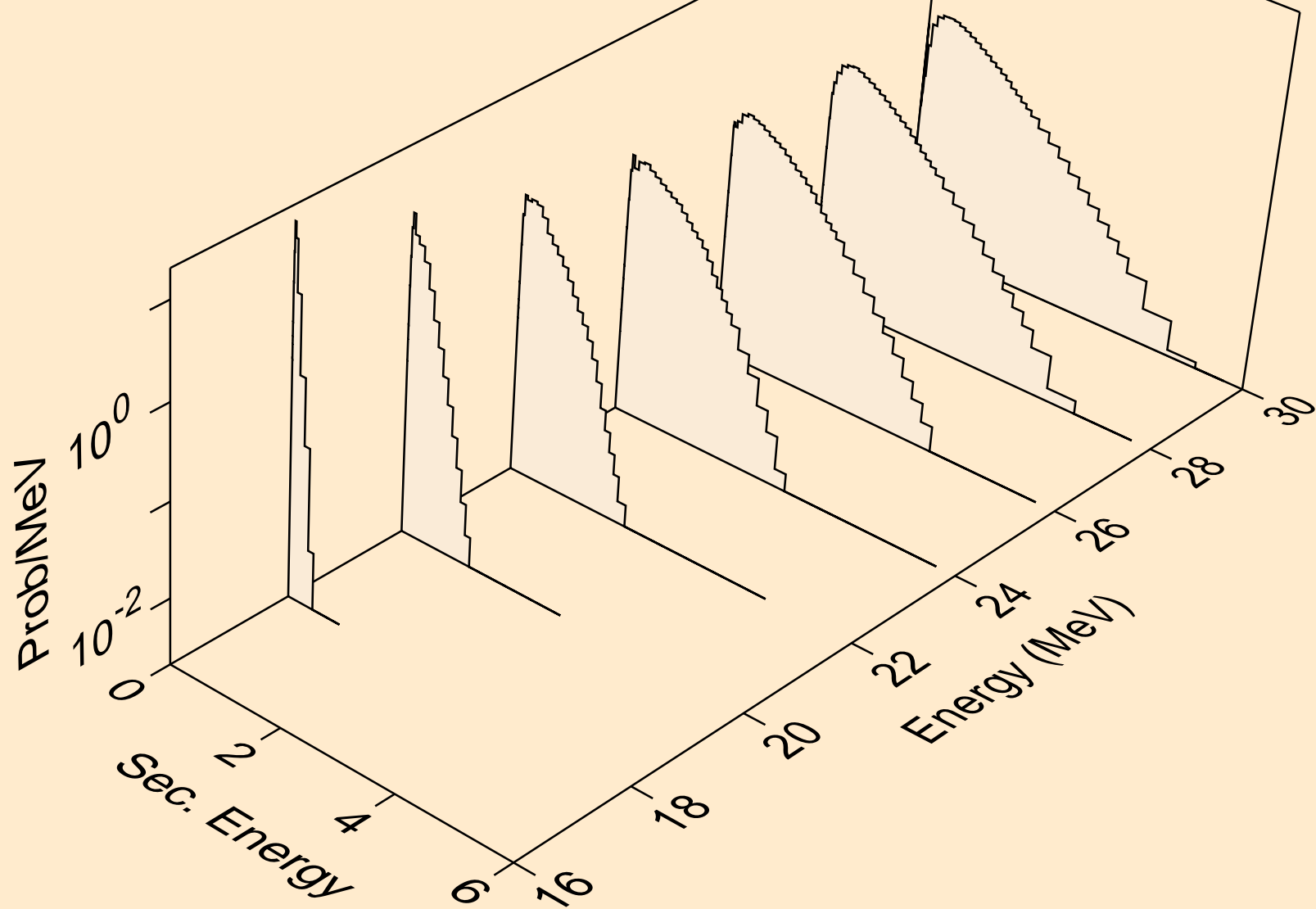


SR090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d

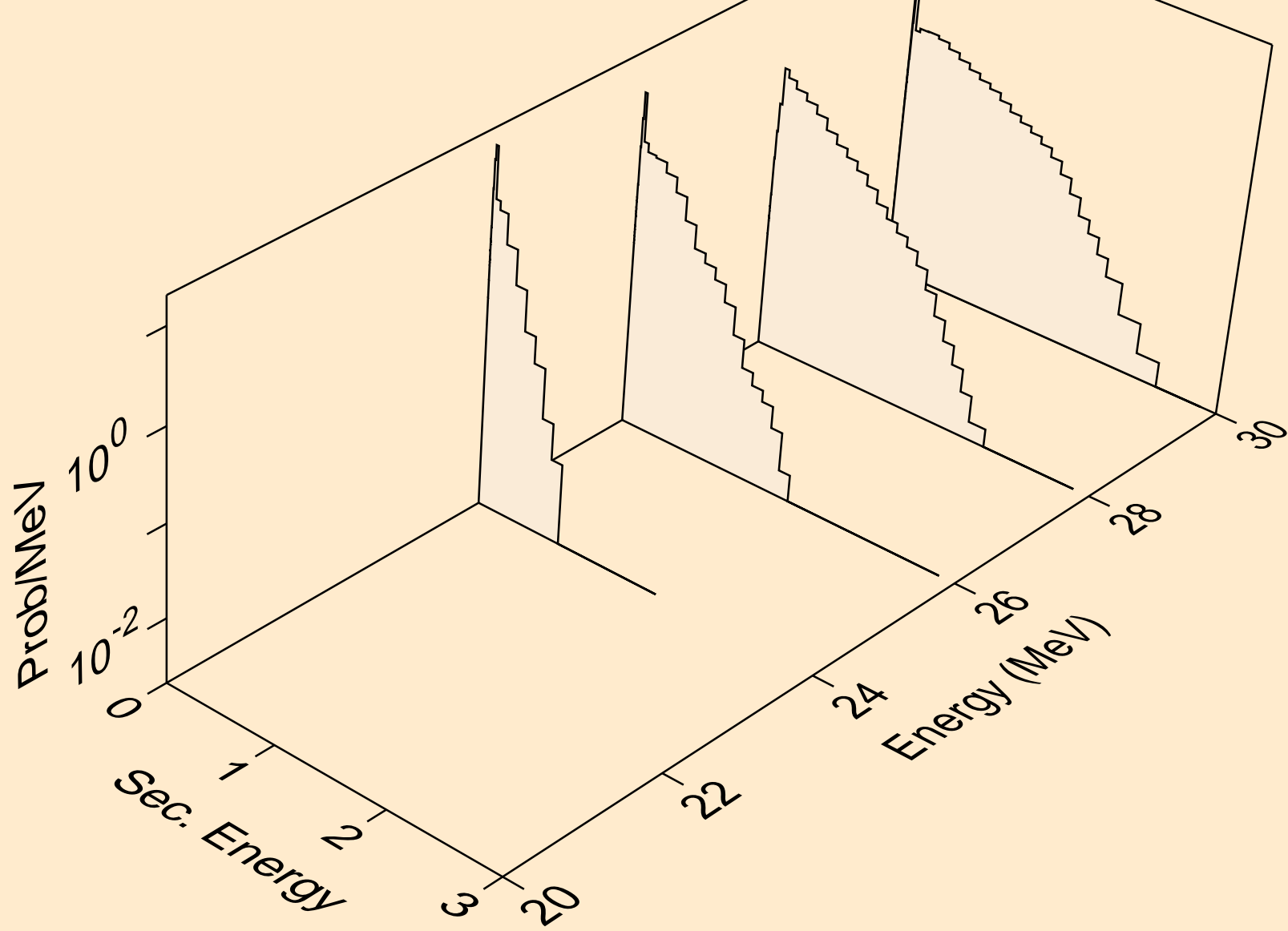




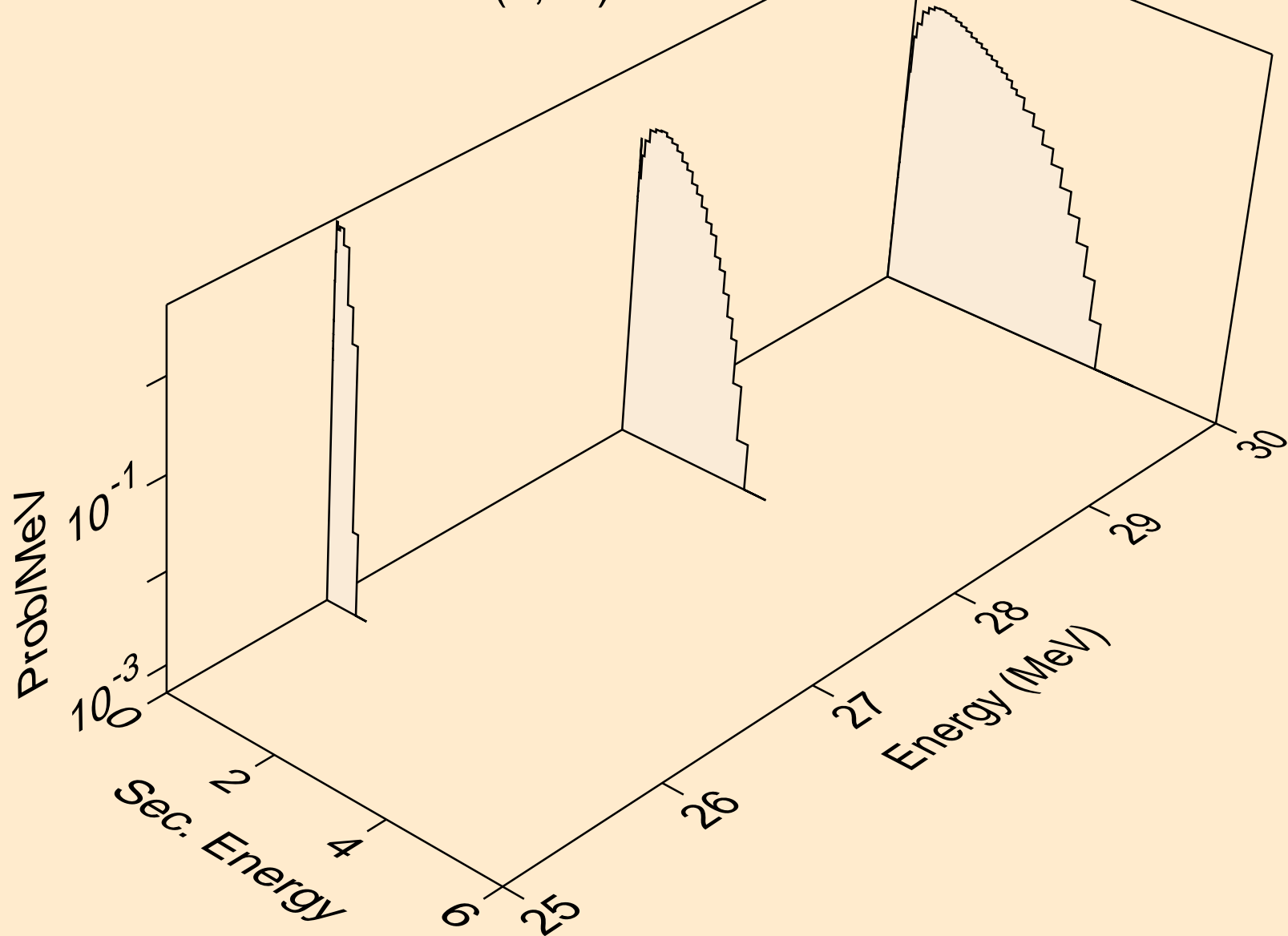
SR090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



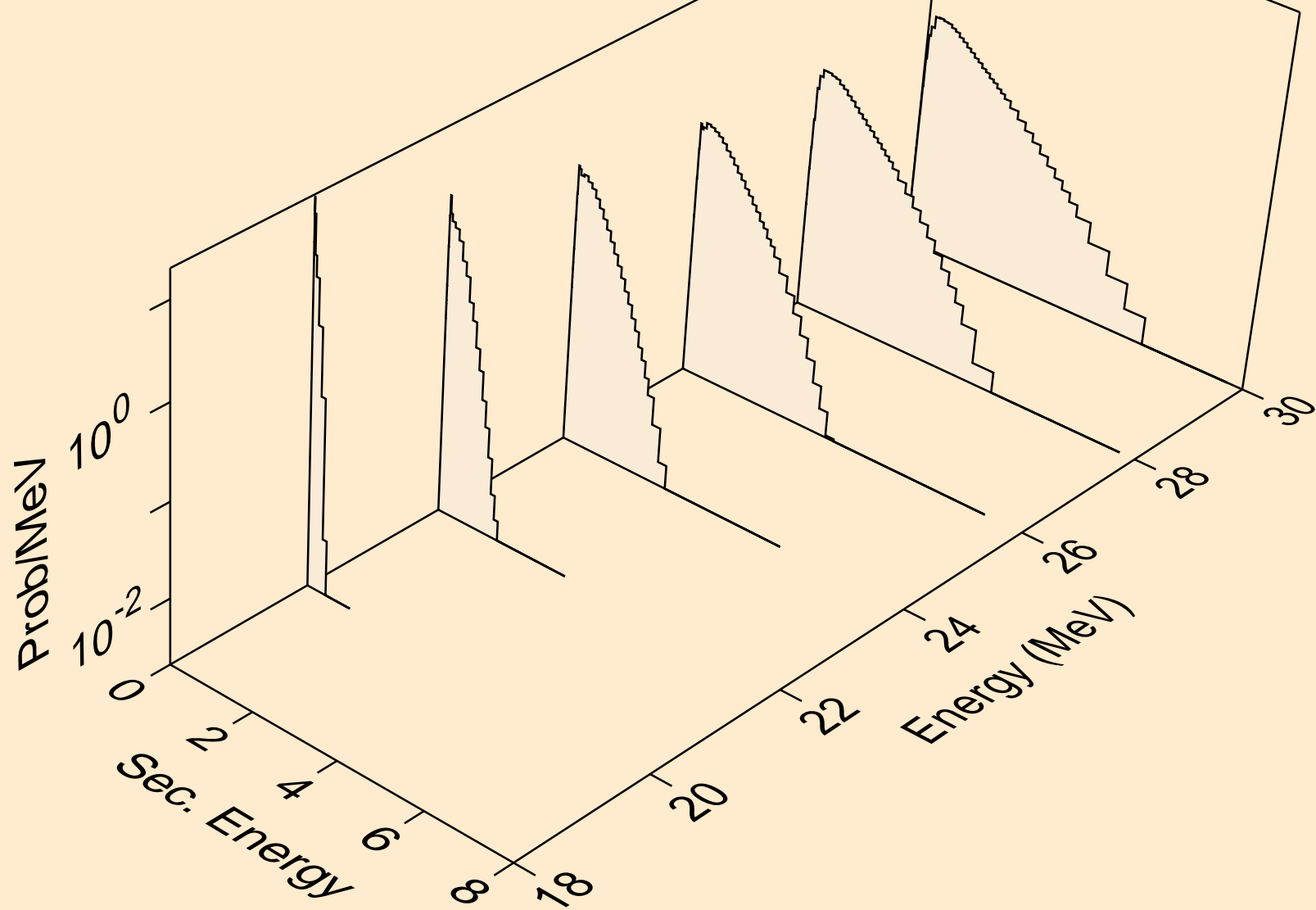
SR090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



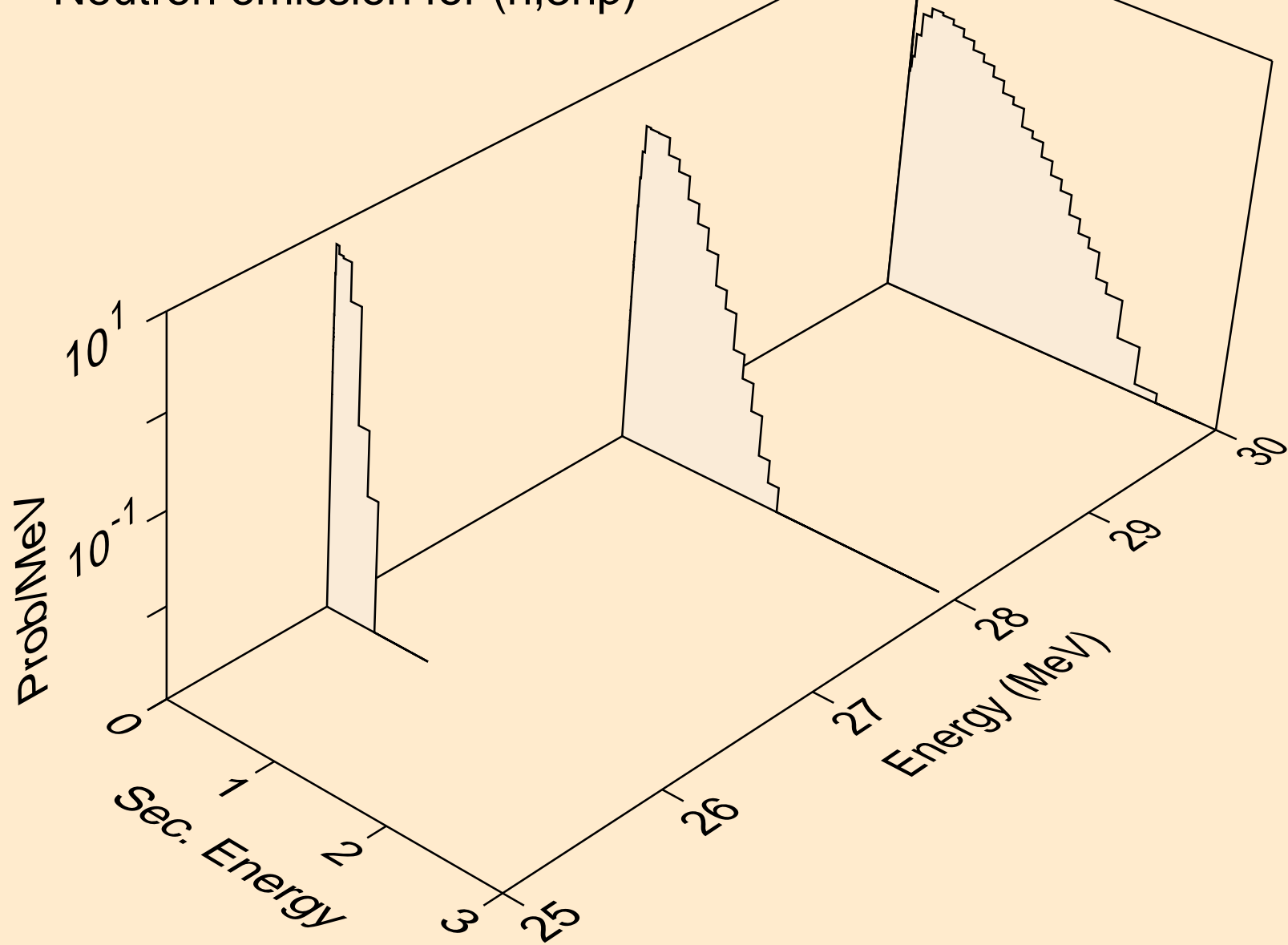
SR090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,4n)



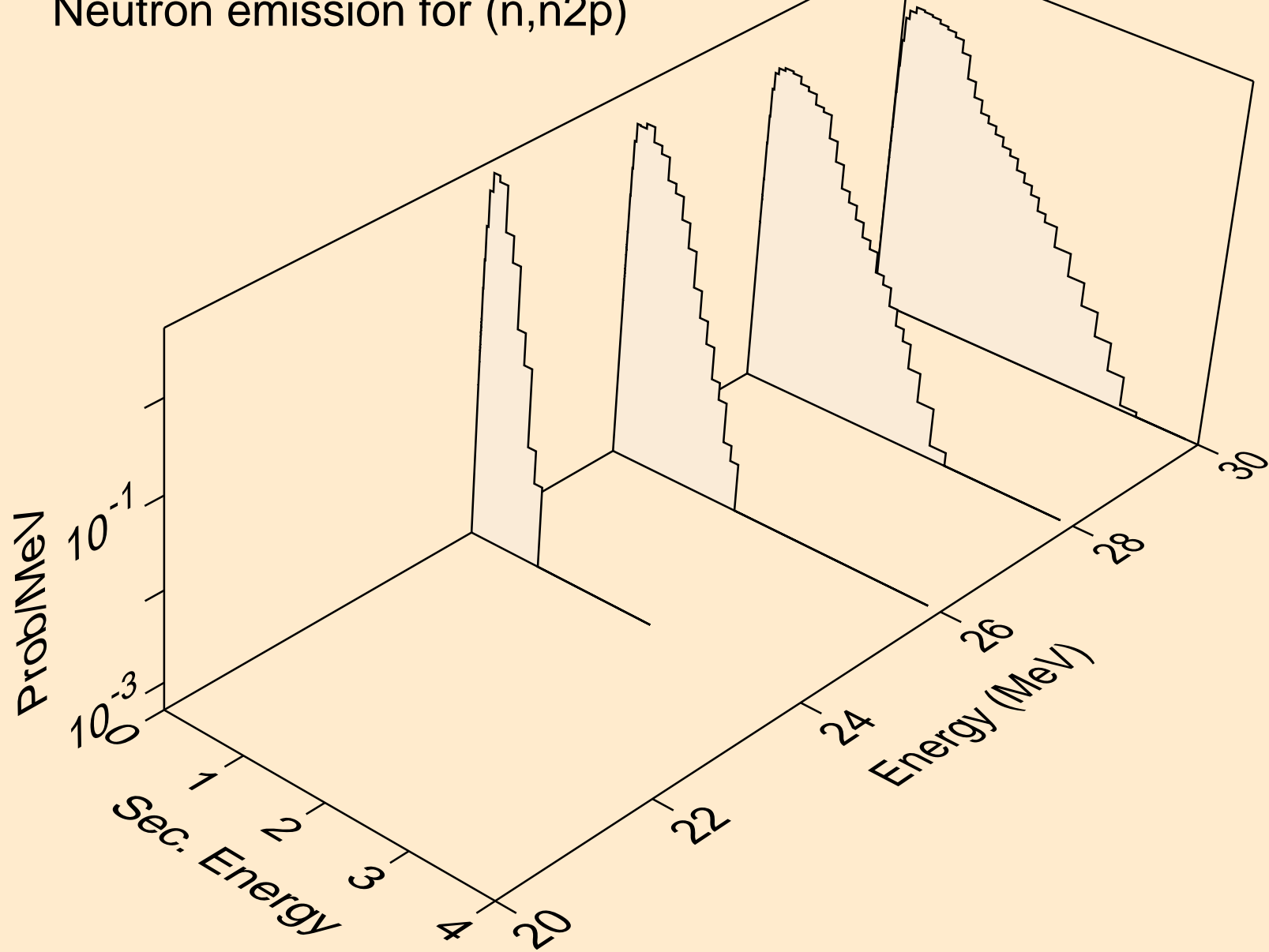
SR090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2np)



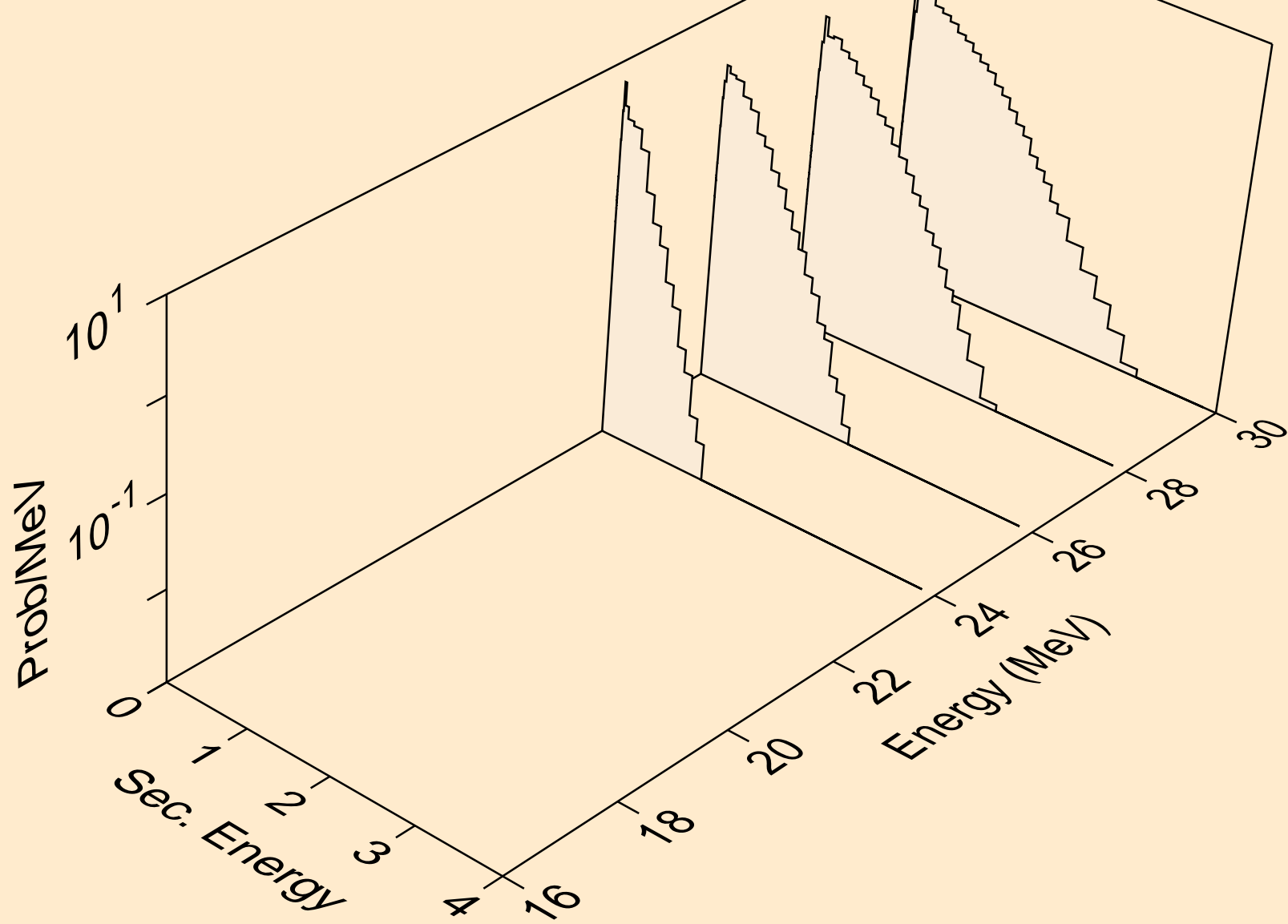
SR090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3np)



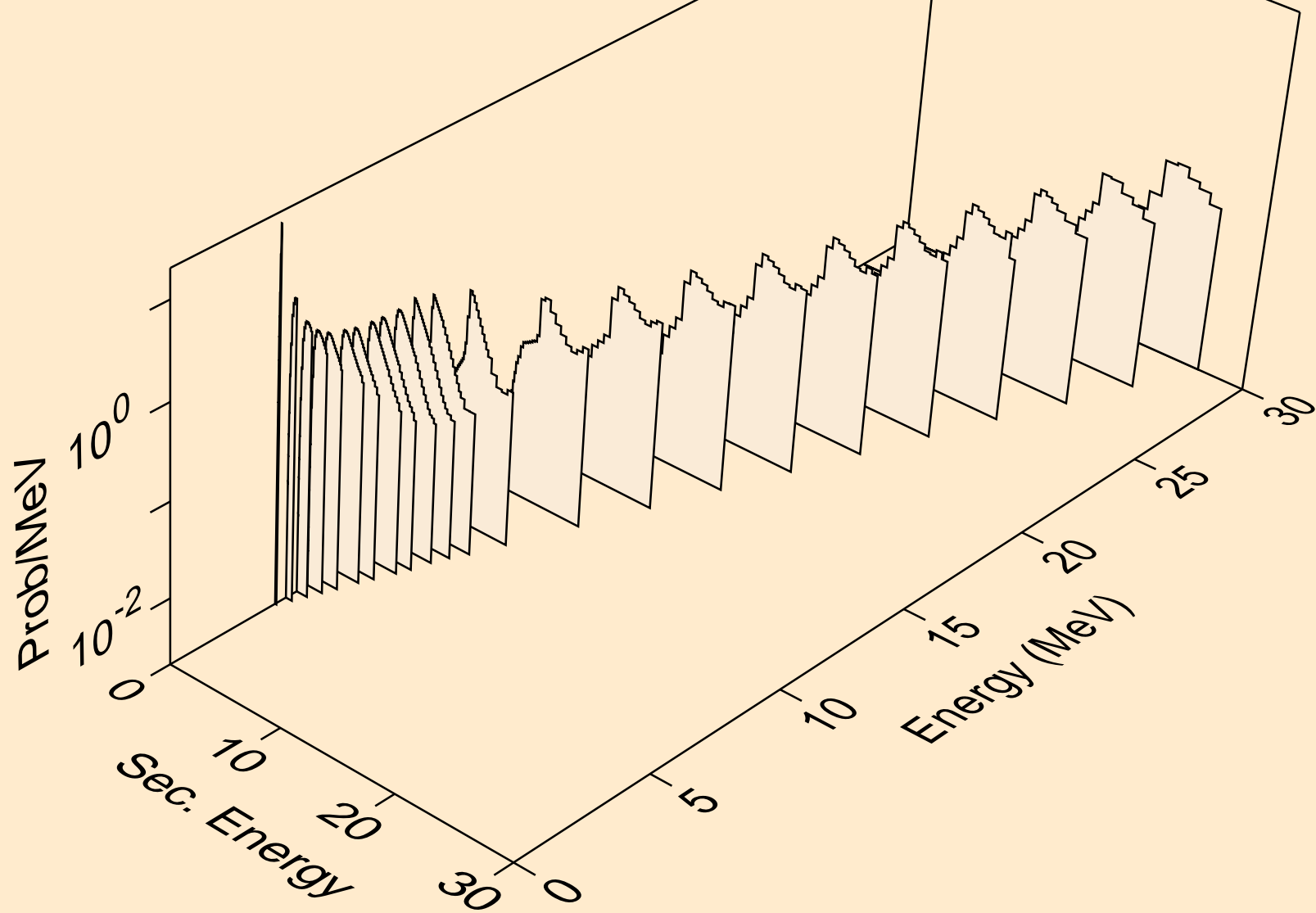
SR090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n2p)



SR090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,npa)

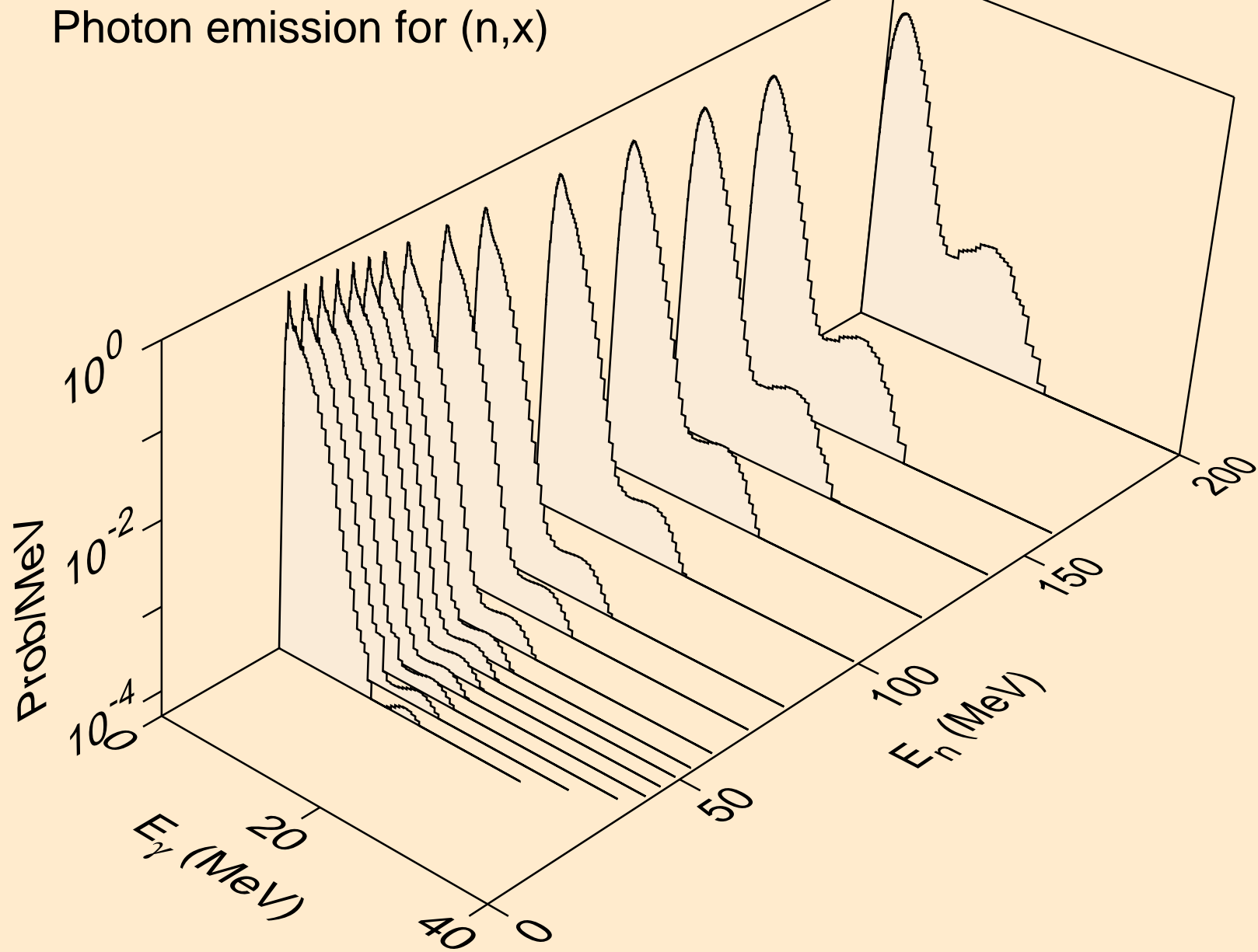


SR090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)

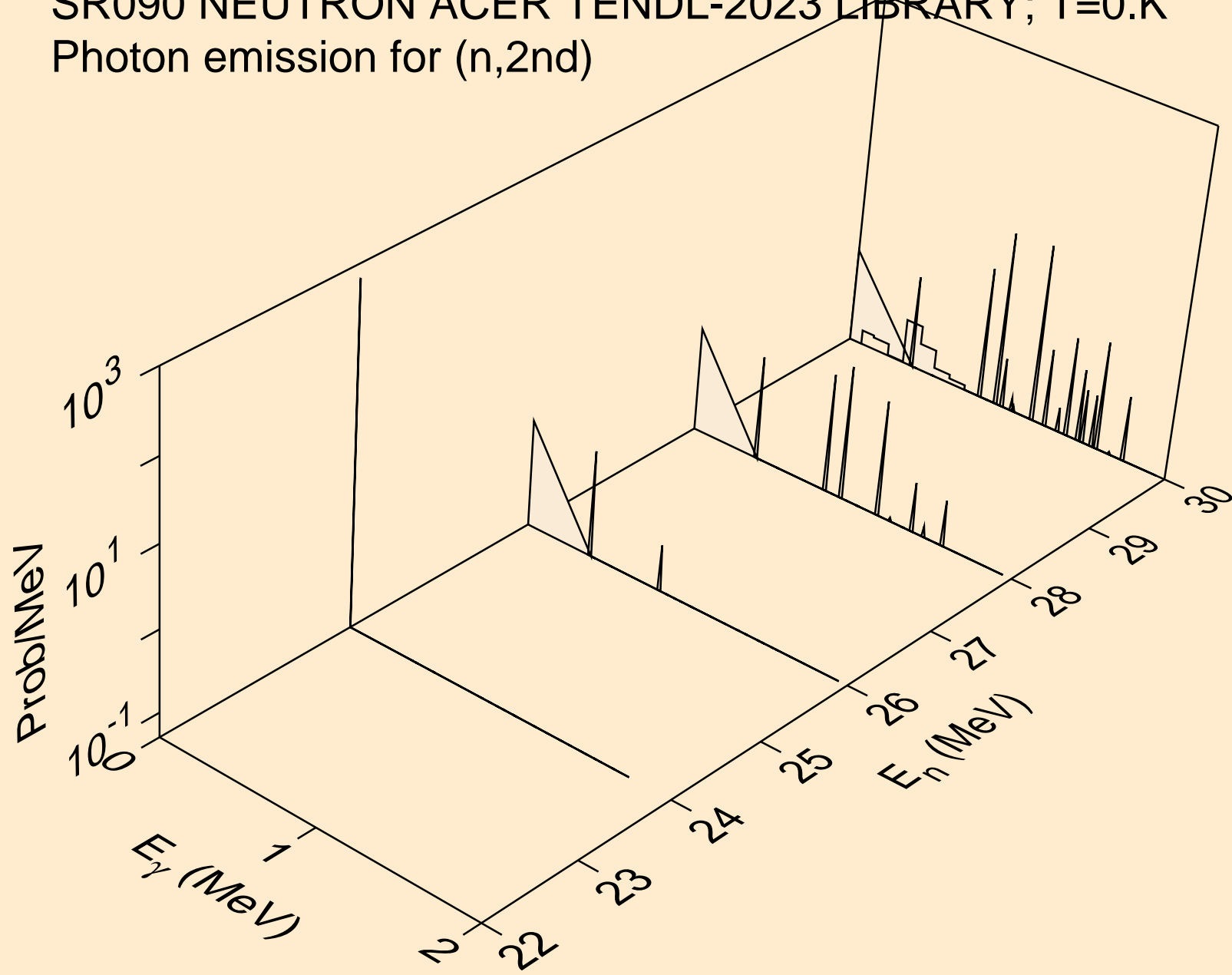




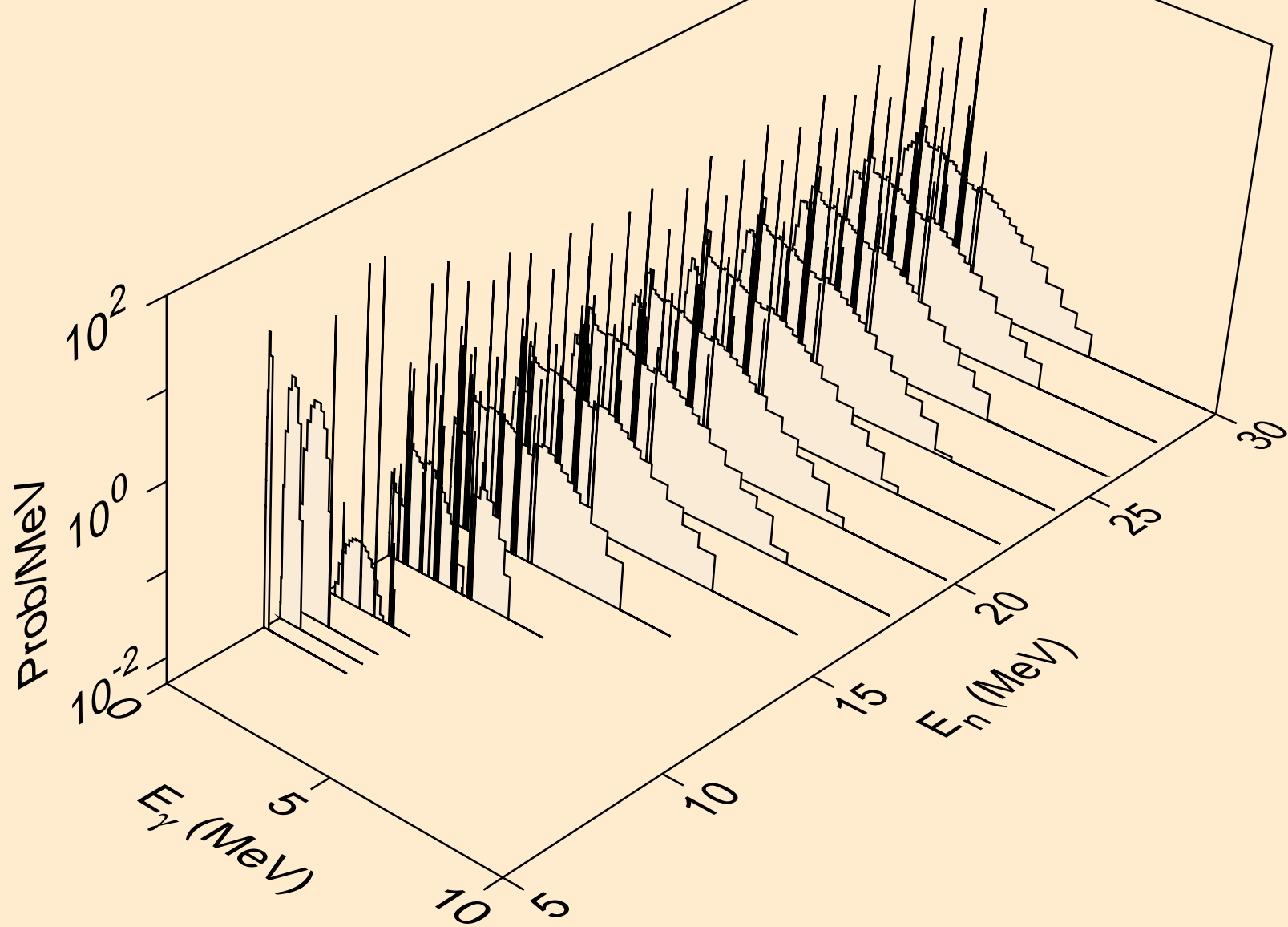
SR090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,x)



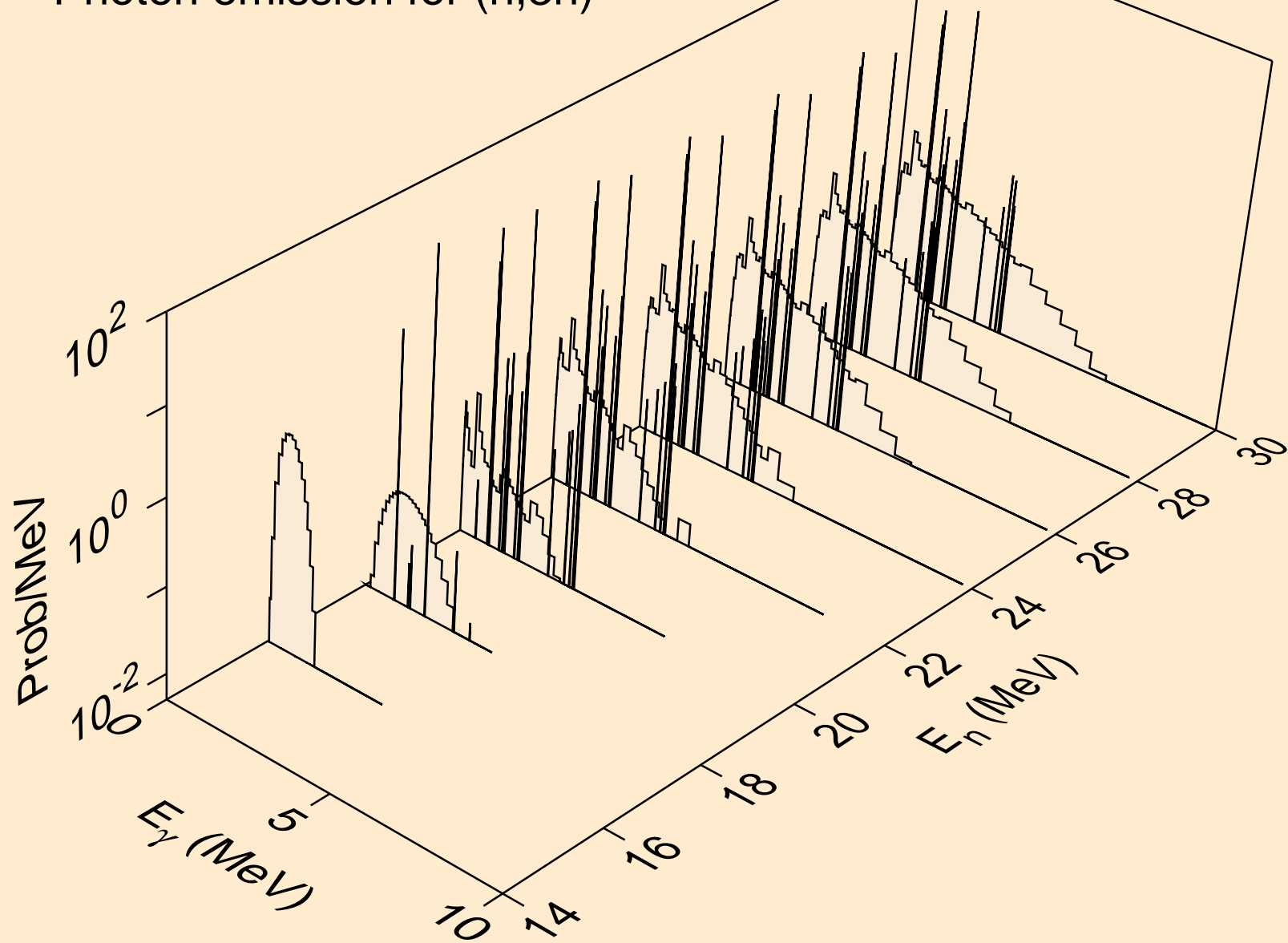
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Photon emission for (n,2nd)



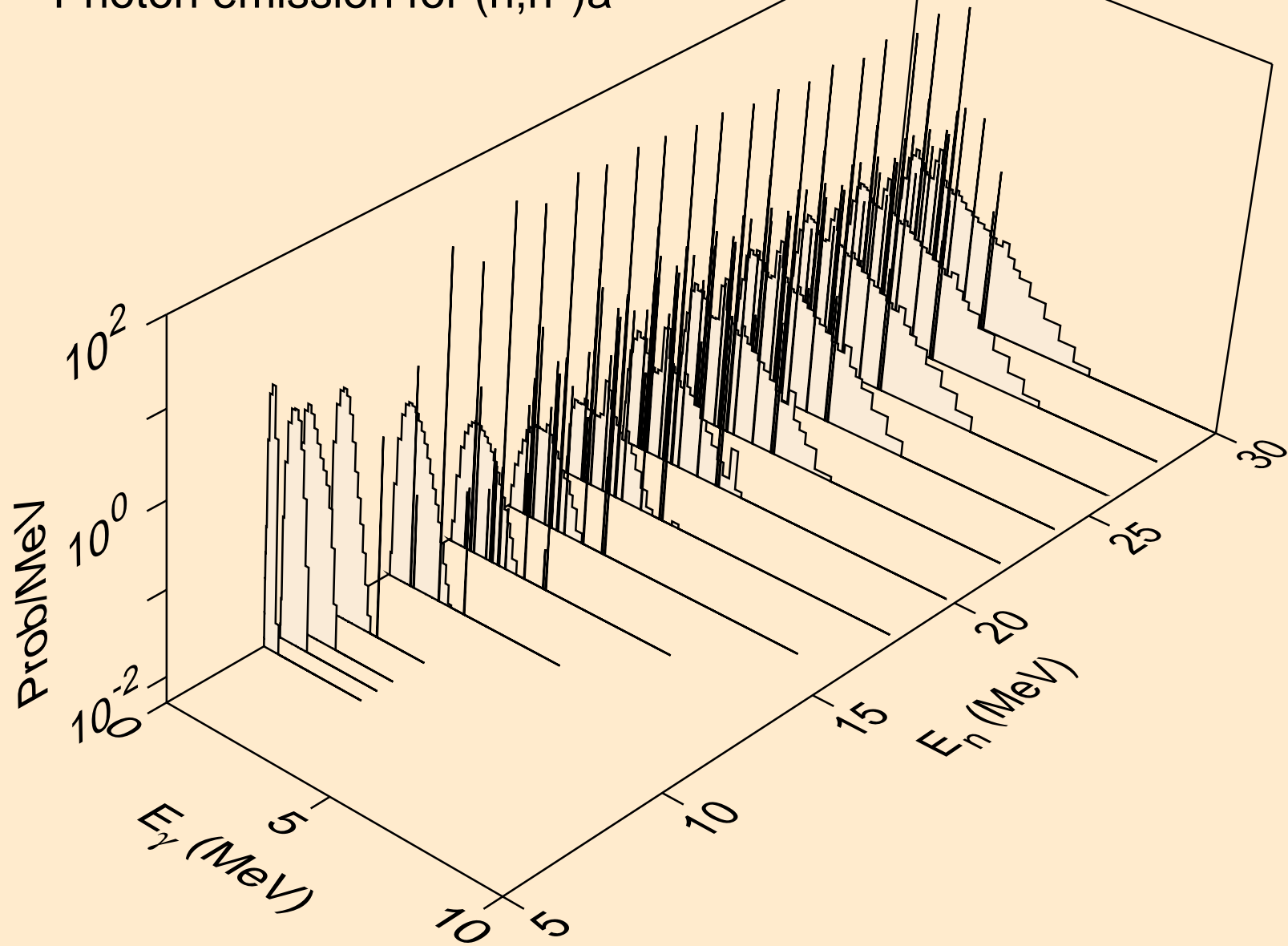
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Photon emission for (n,2n)



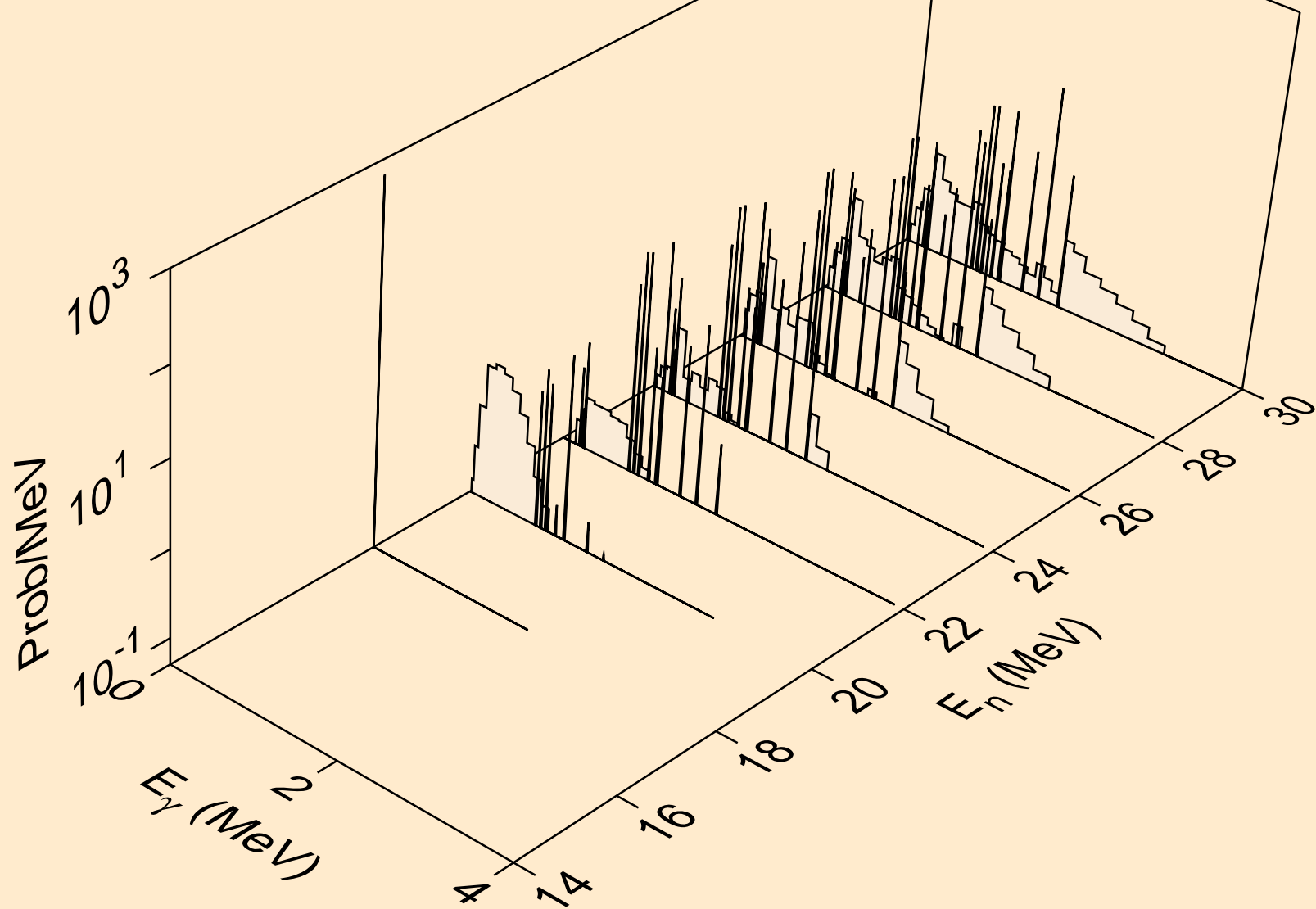
SR090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



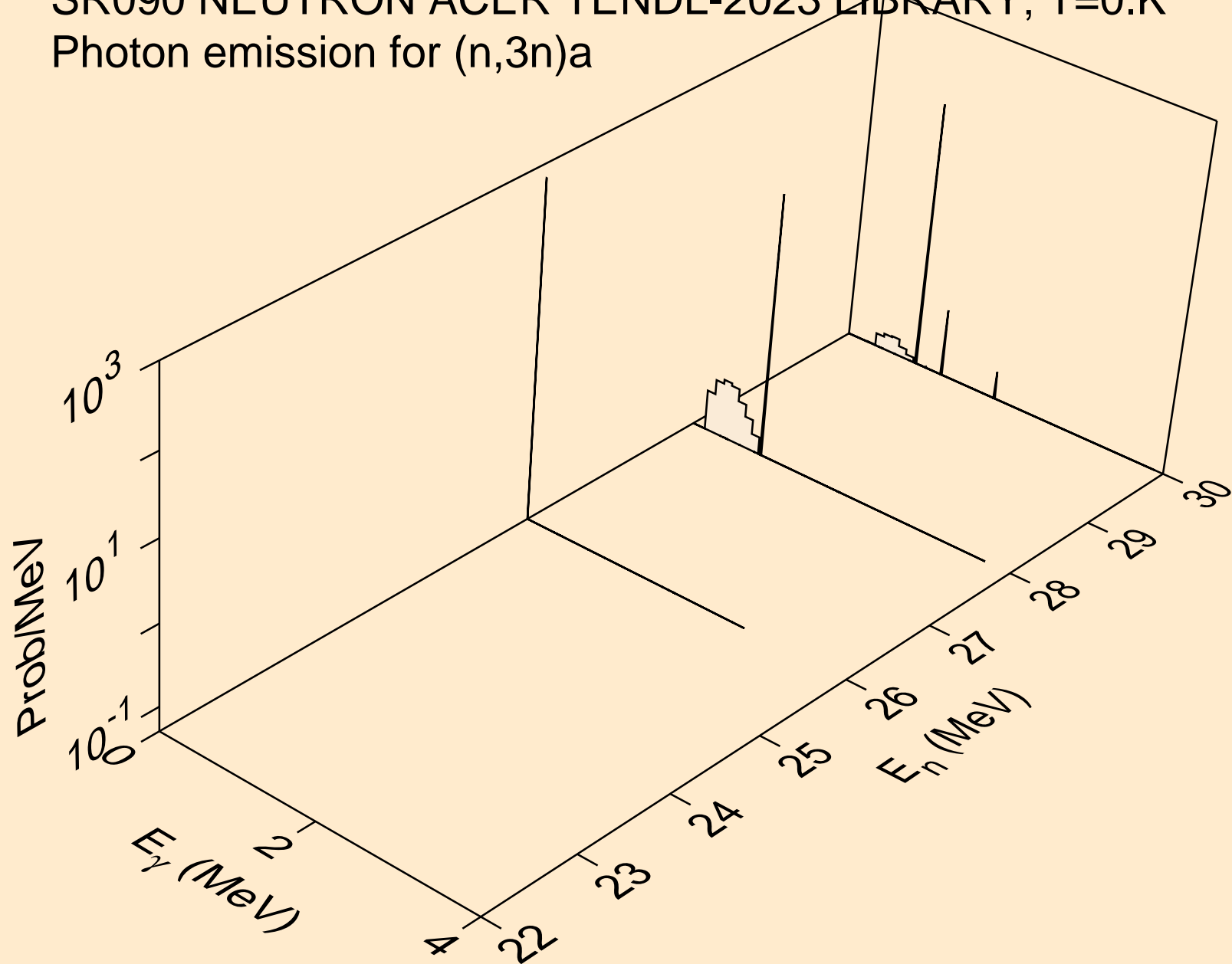
SR090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



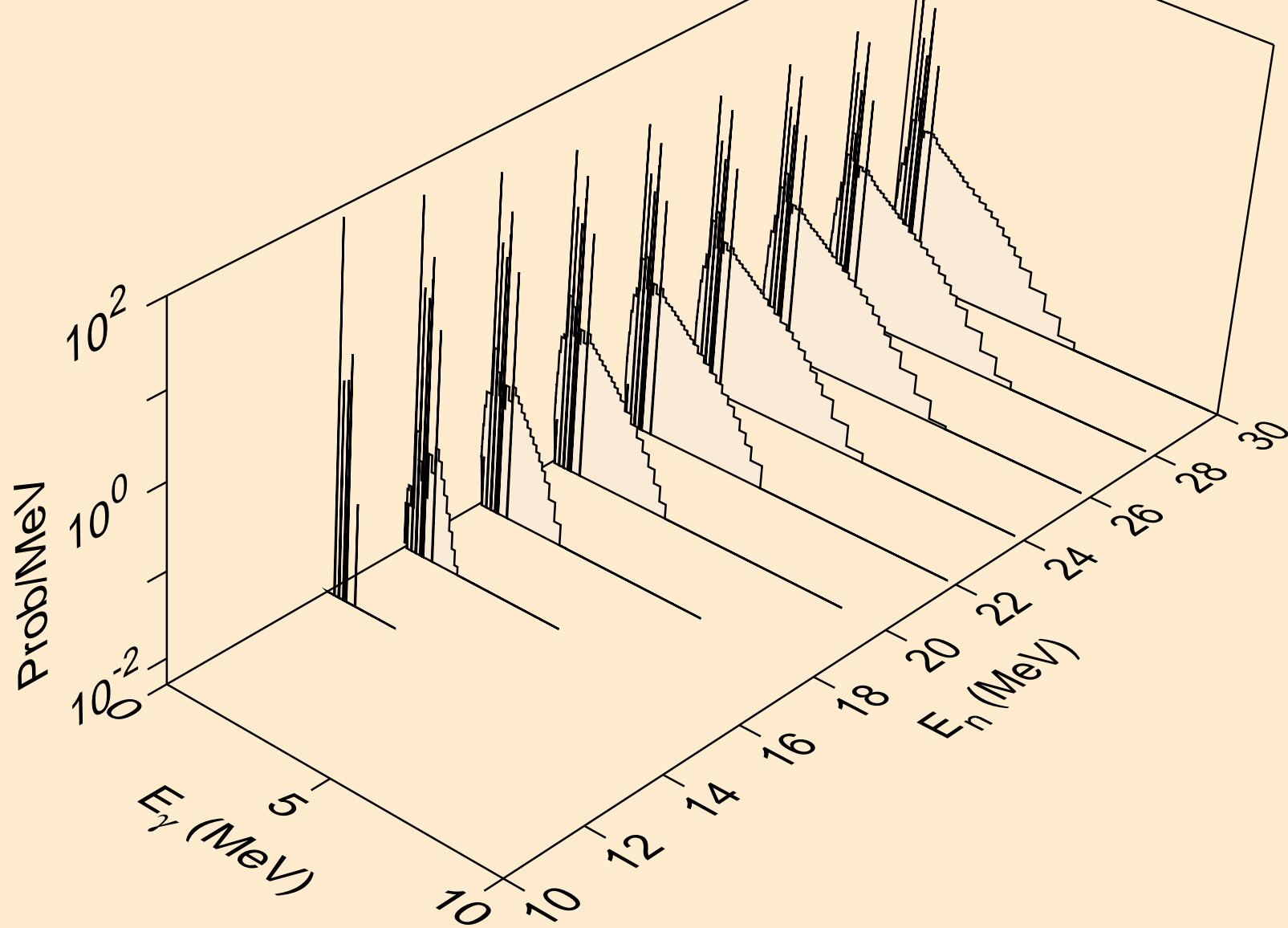
SR090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a



SR090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)a

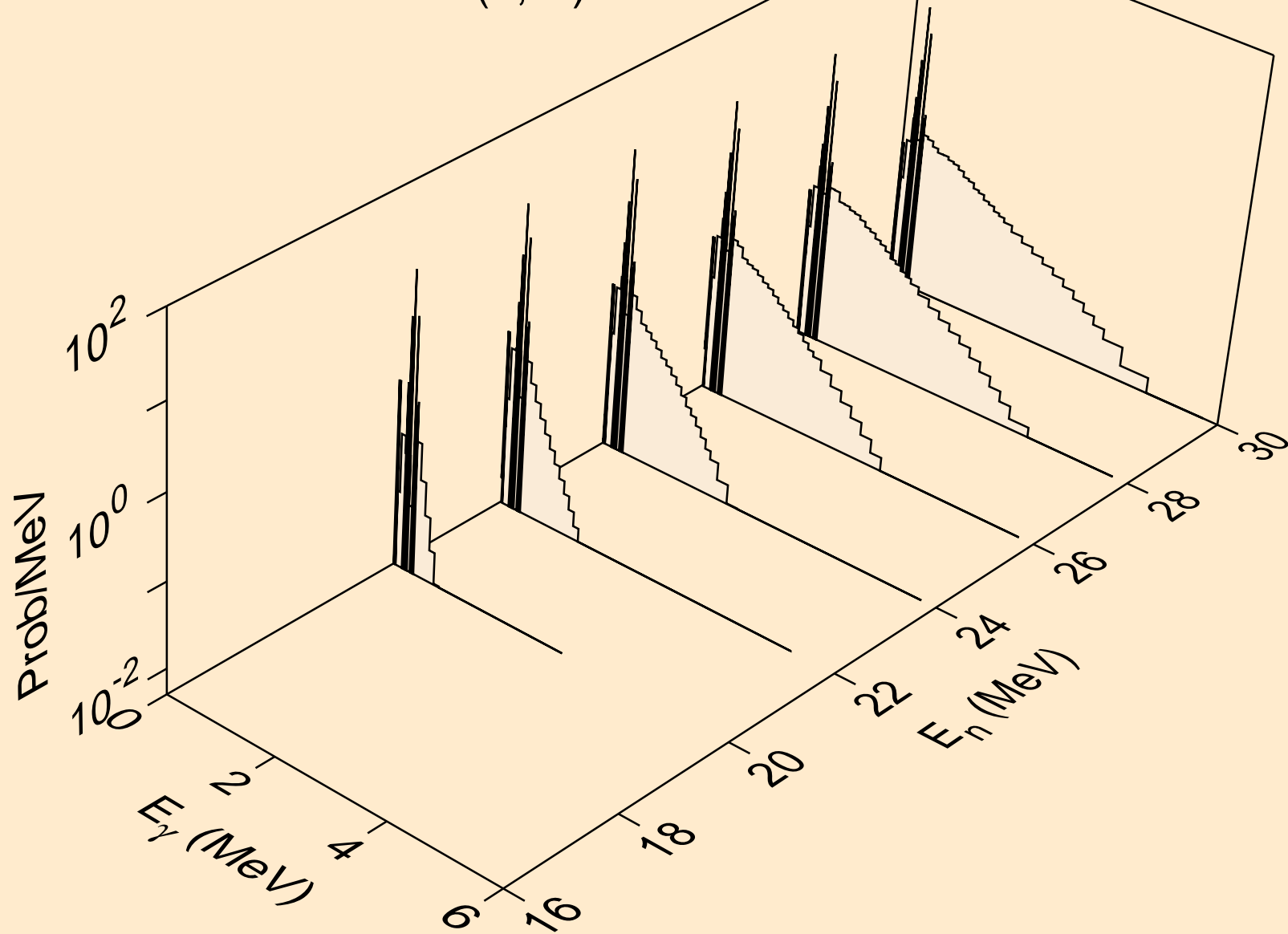


SR090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p

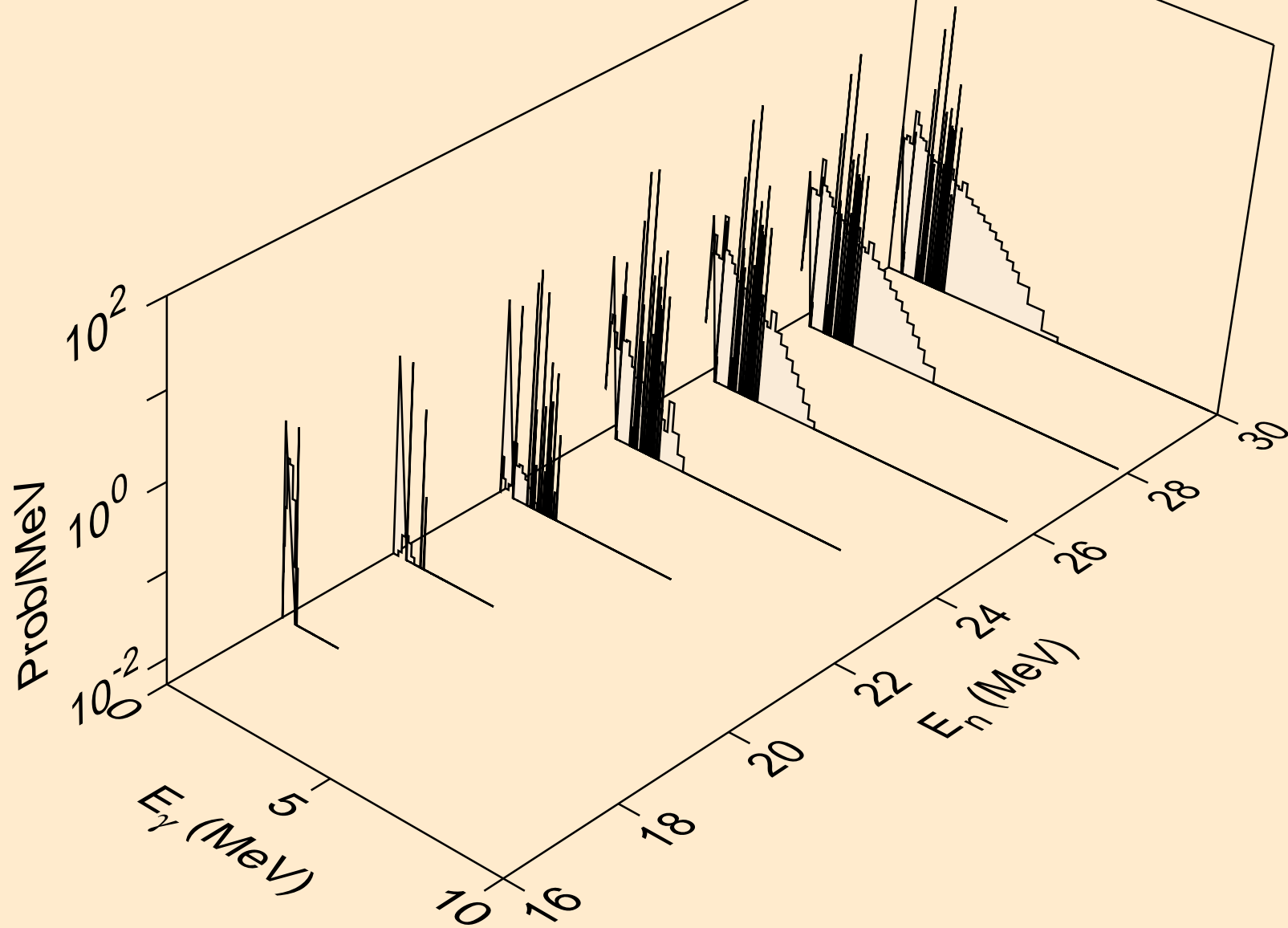




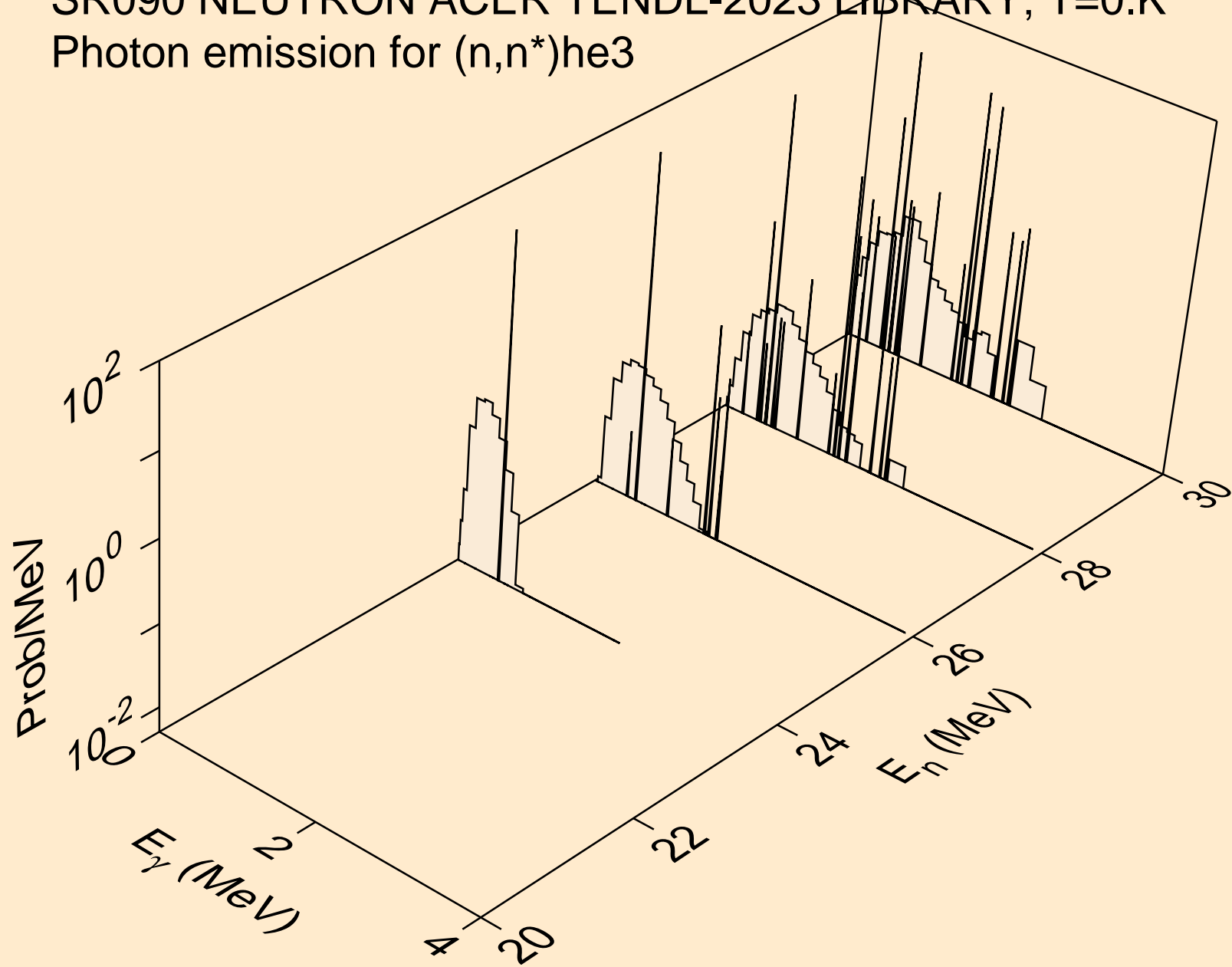
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Photon emission for (n,n\*)d



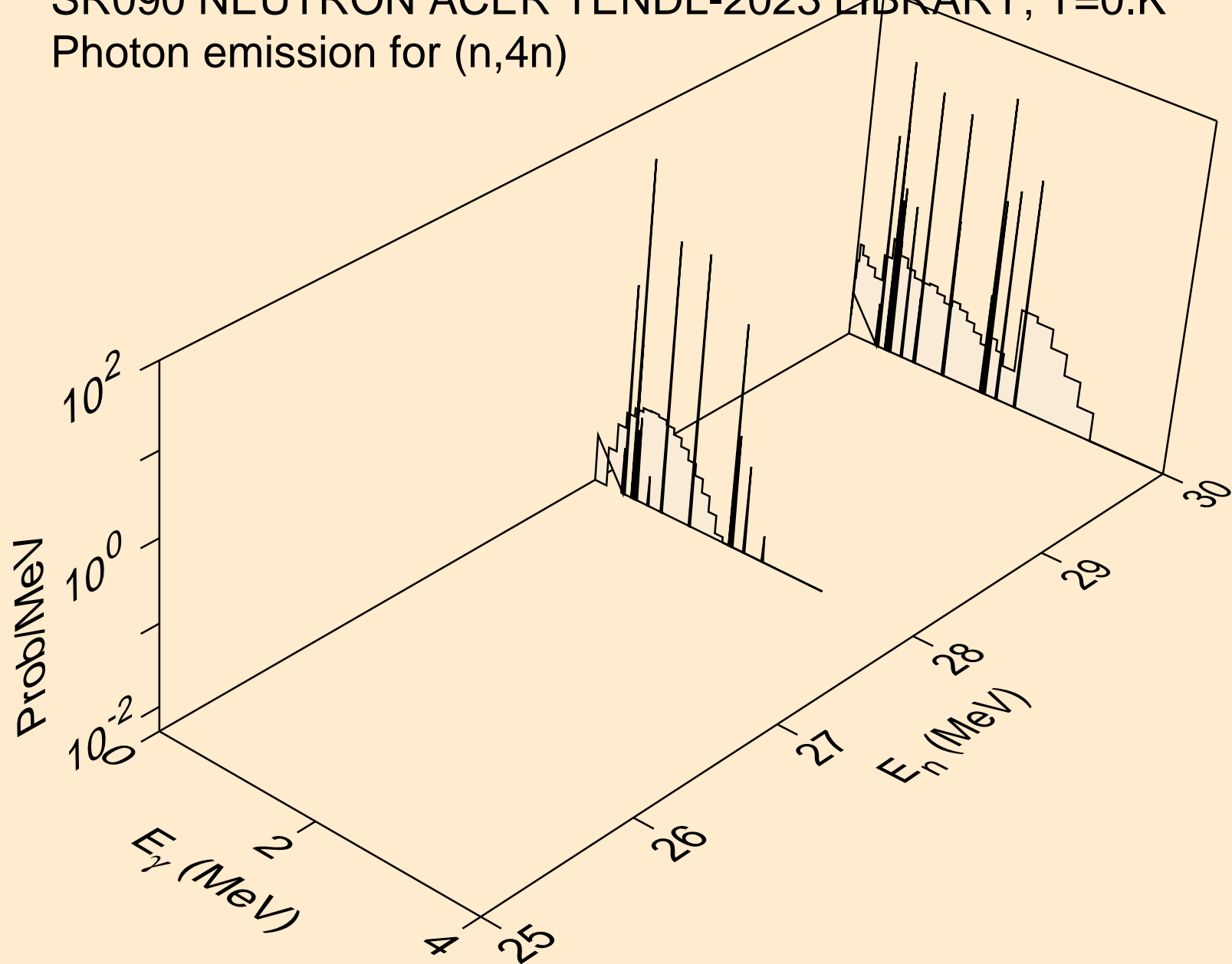
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Photon emission for (n,n\*)t



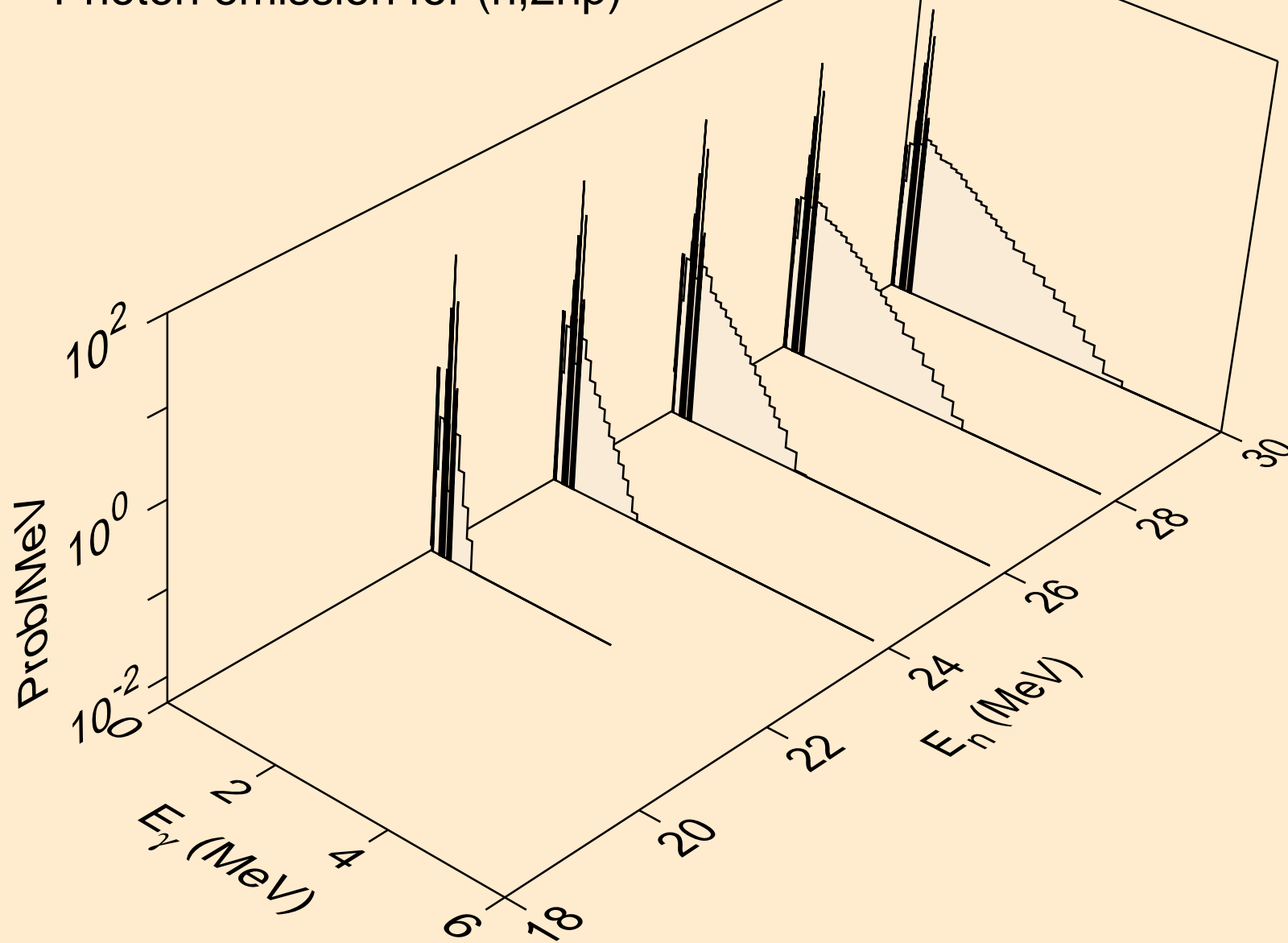
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Photon emission for (n,n\*)he3



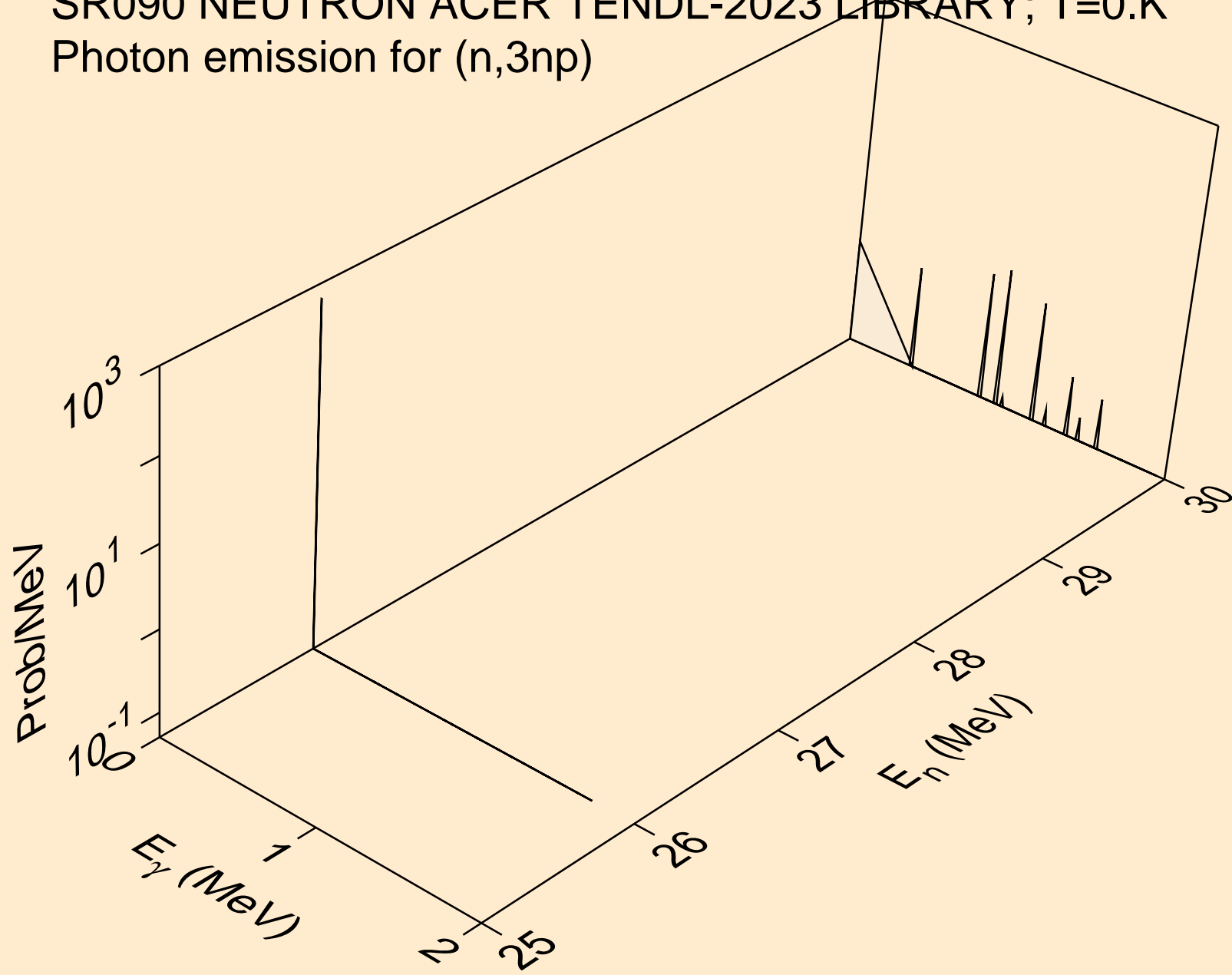
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Photon emission for (n,4n)



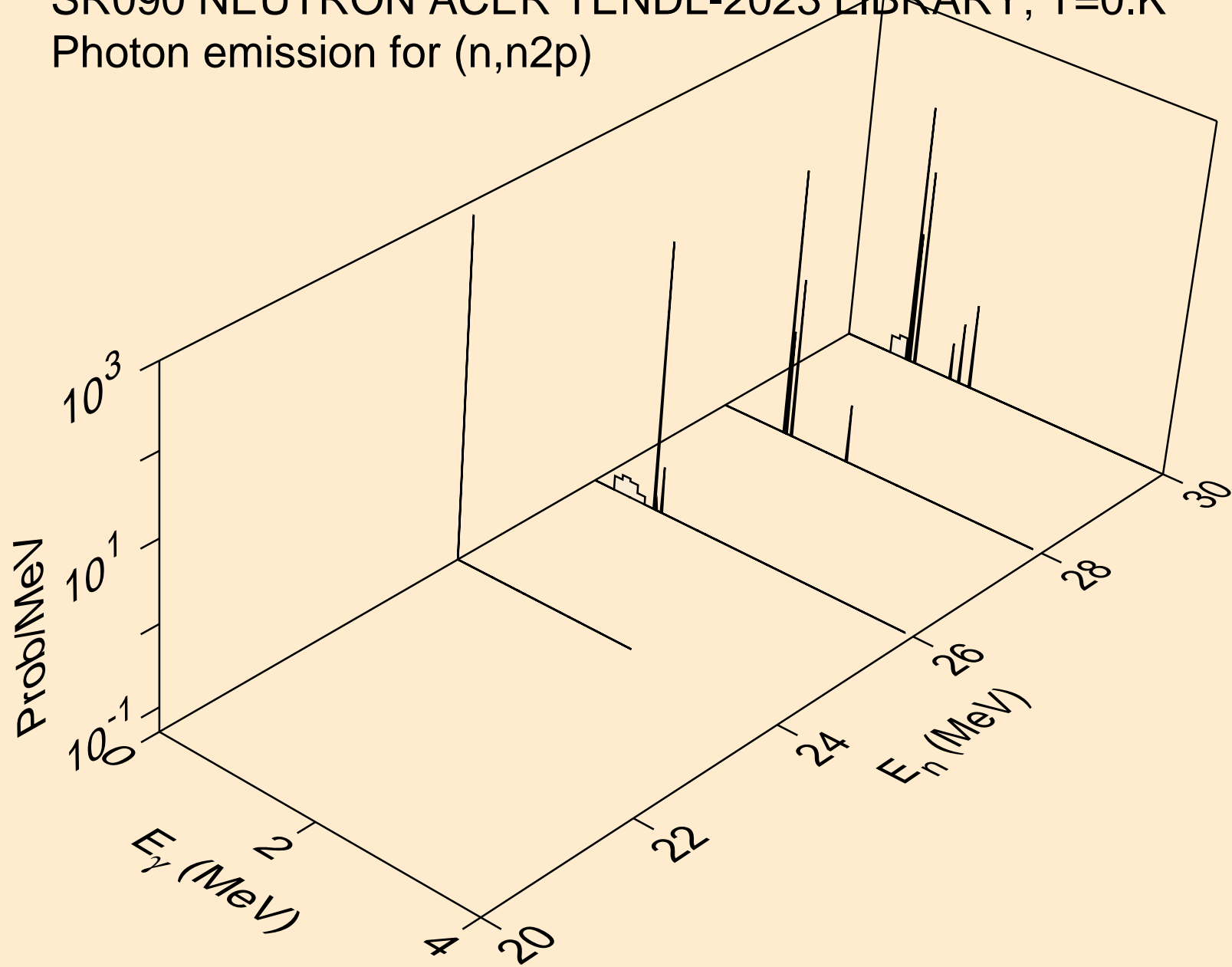
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Photon emission for (n,2np)



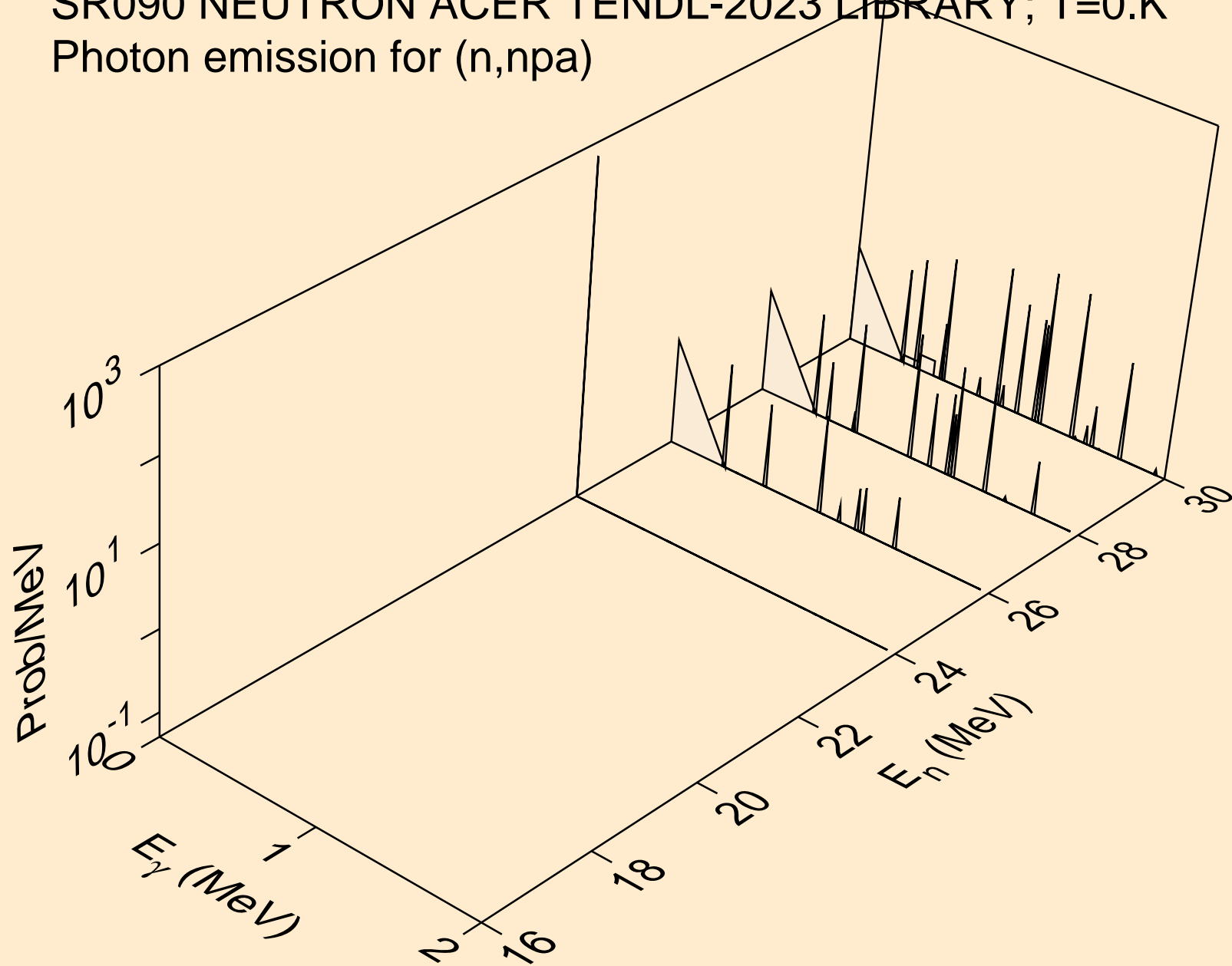
SR090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3np)



SR090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)

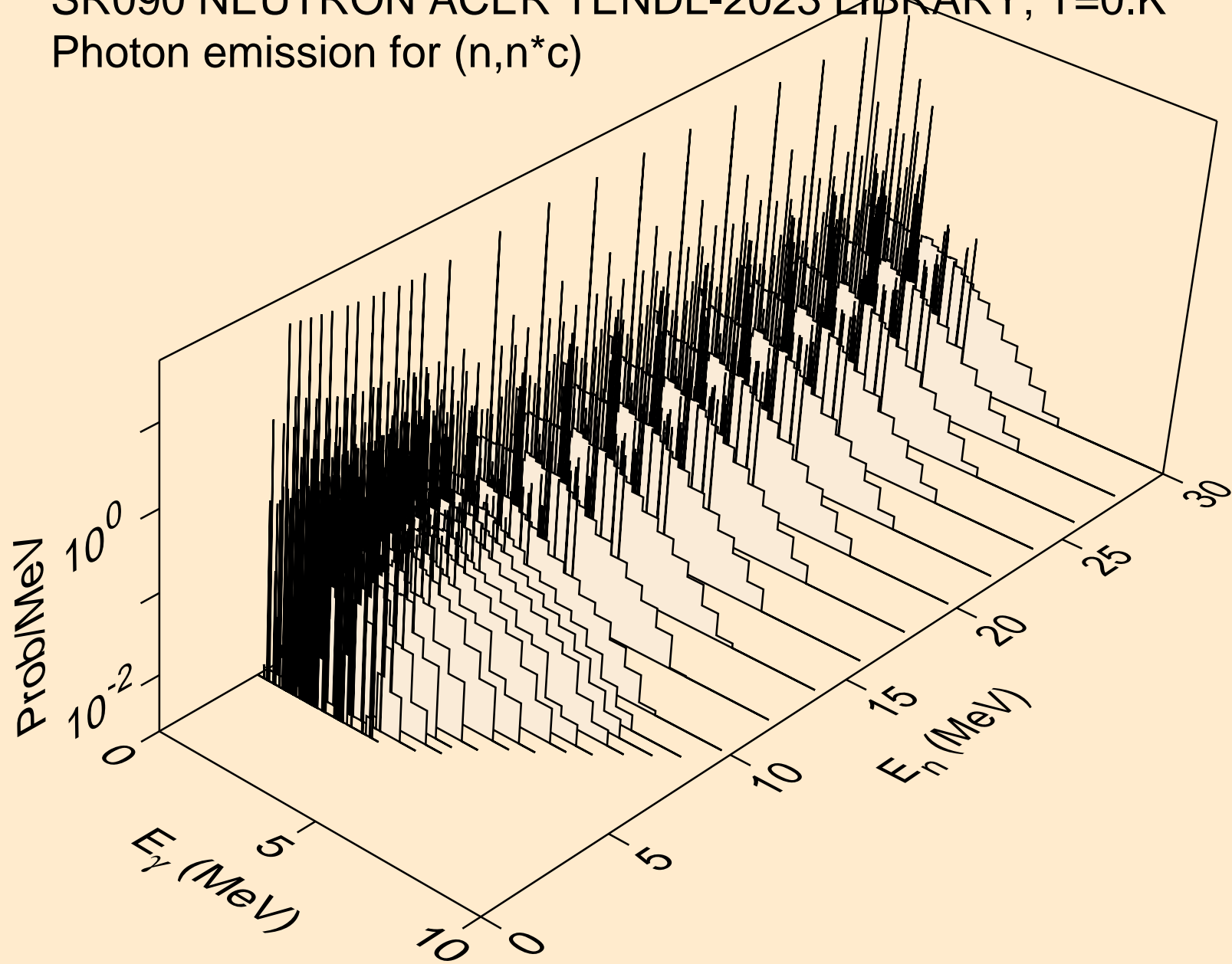


SR090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,npa)

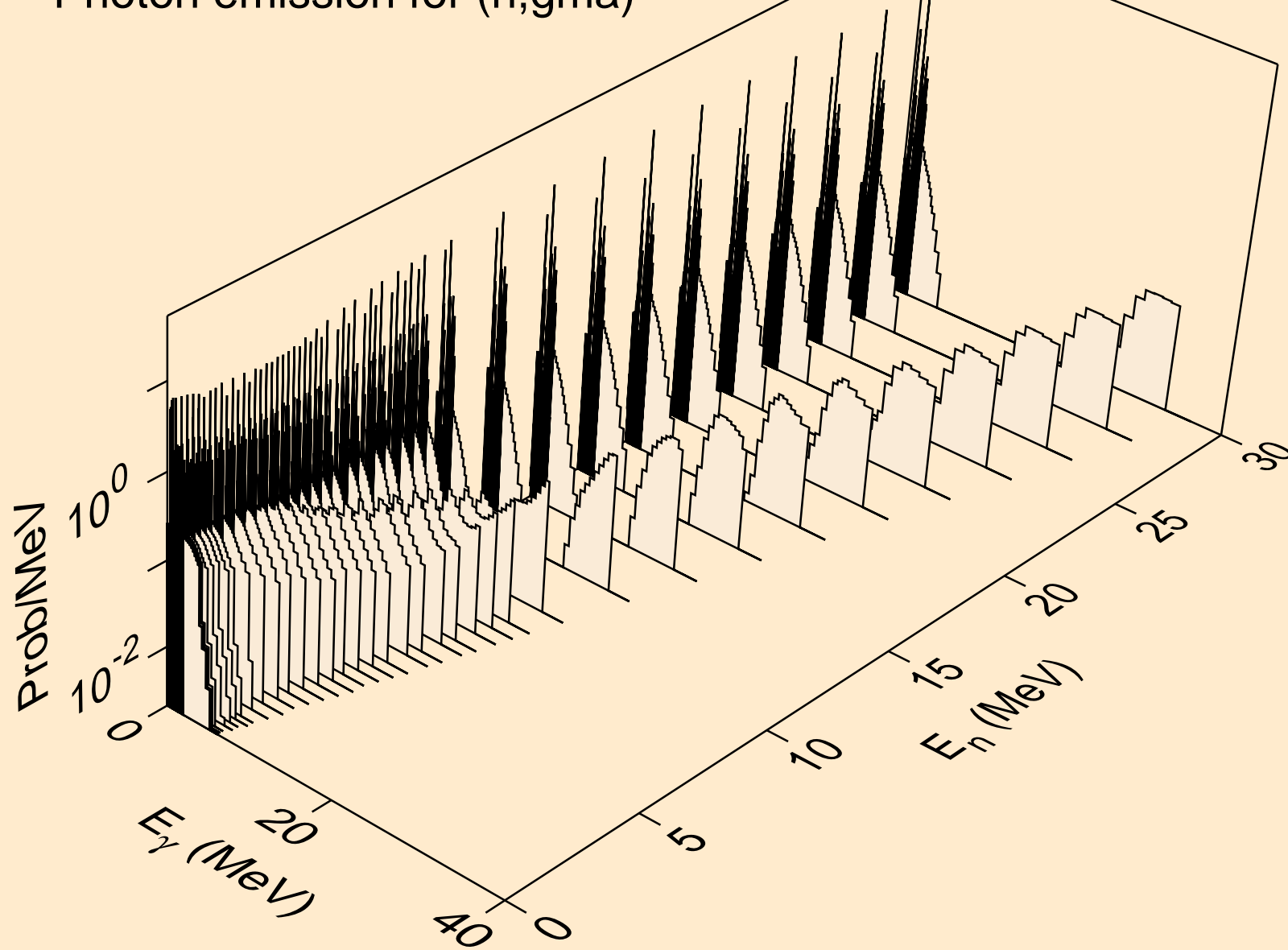




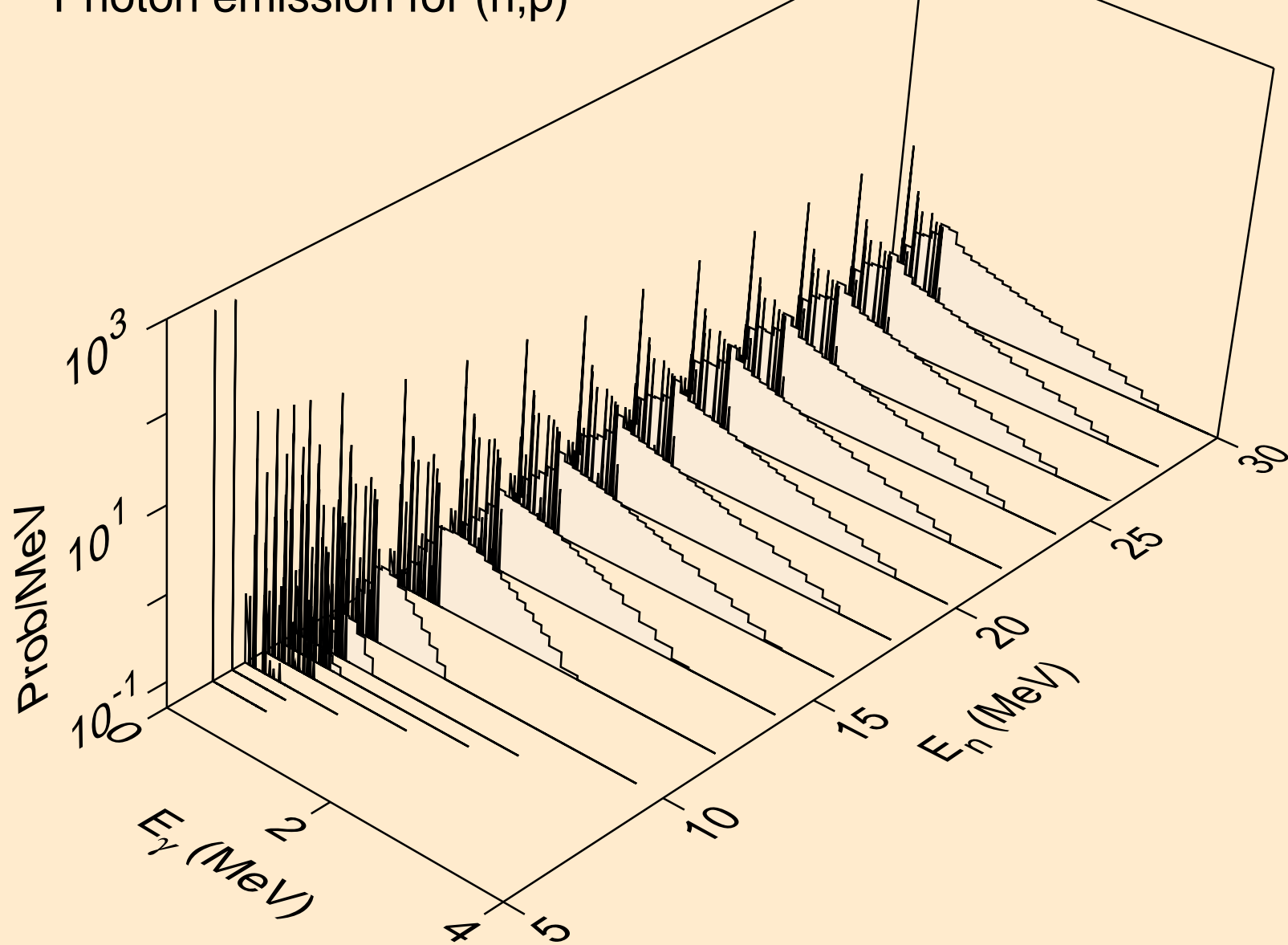
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Photon emission for (n,n\*c)



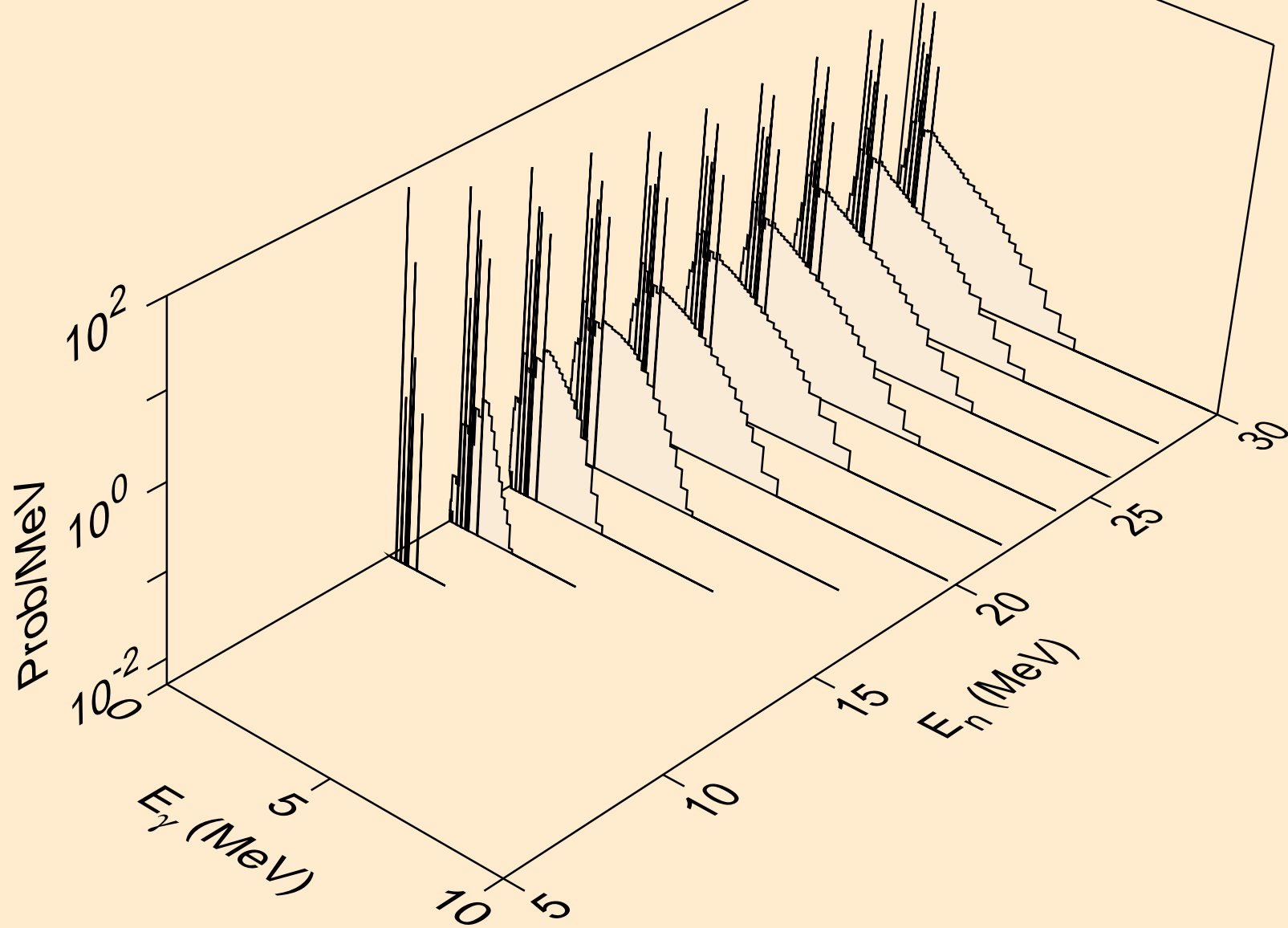
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Photon emission for (n,gma)



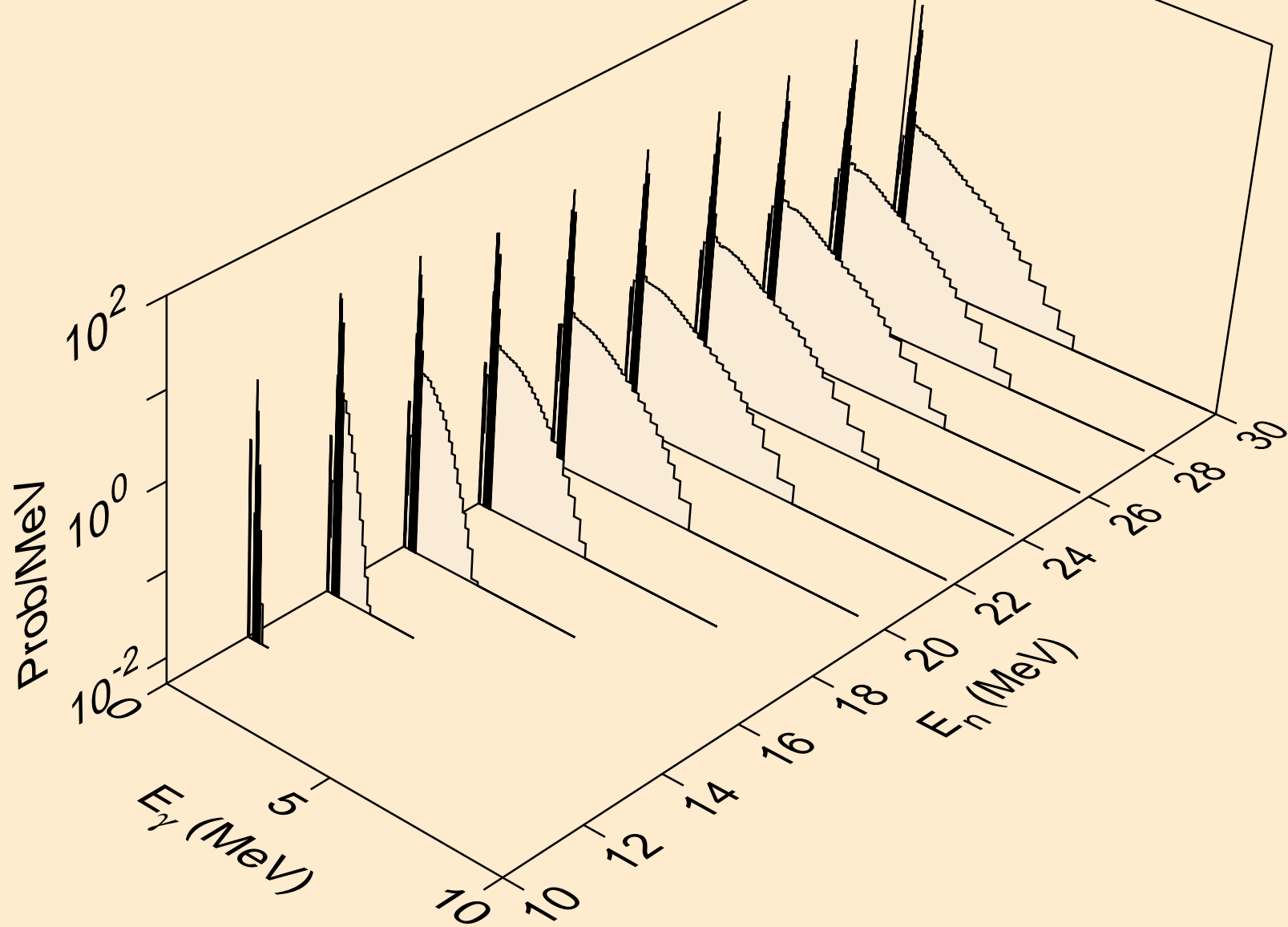
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Photon emission for (n,p)



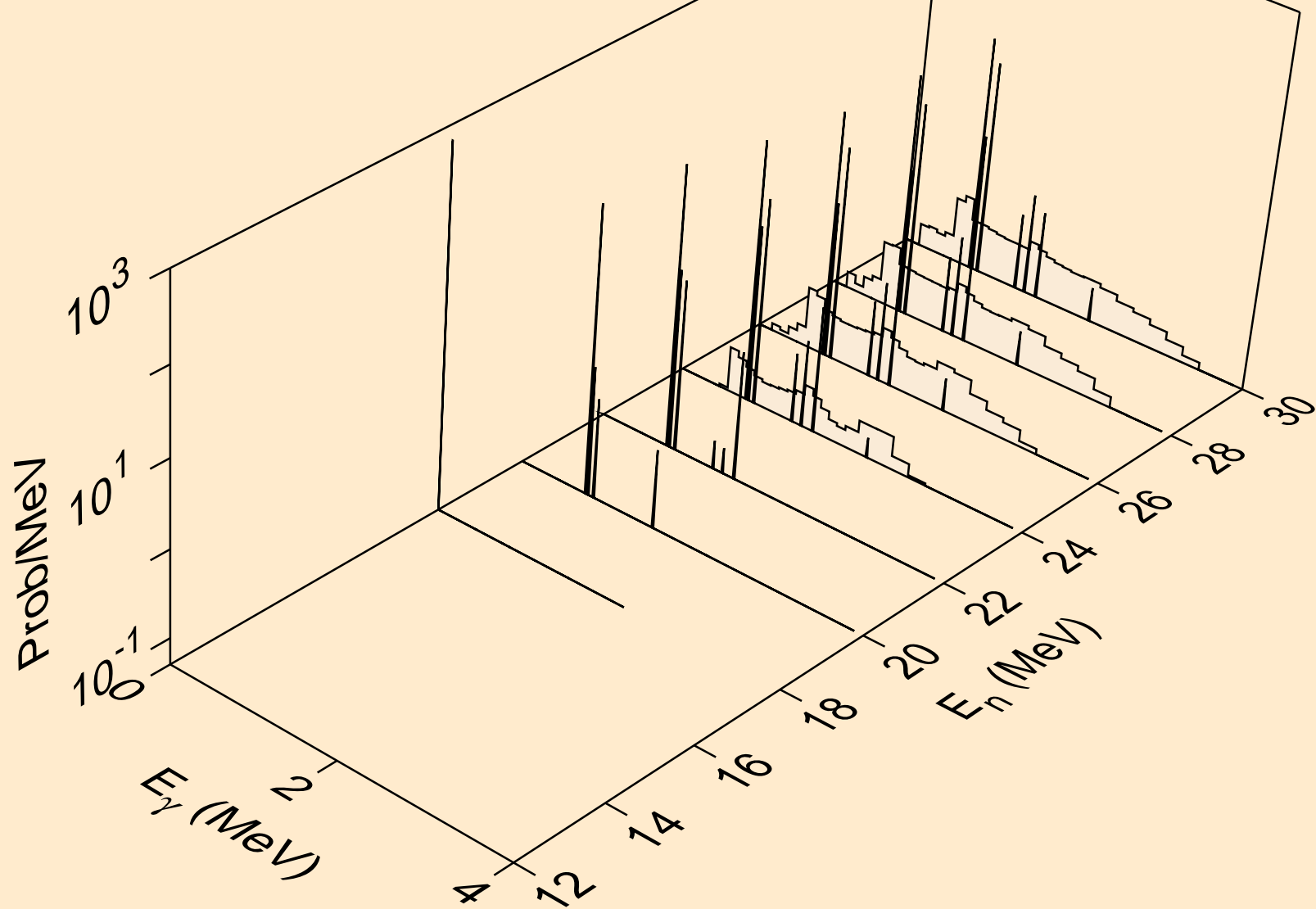
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Photon emission for (n,d)



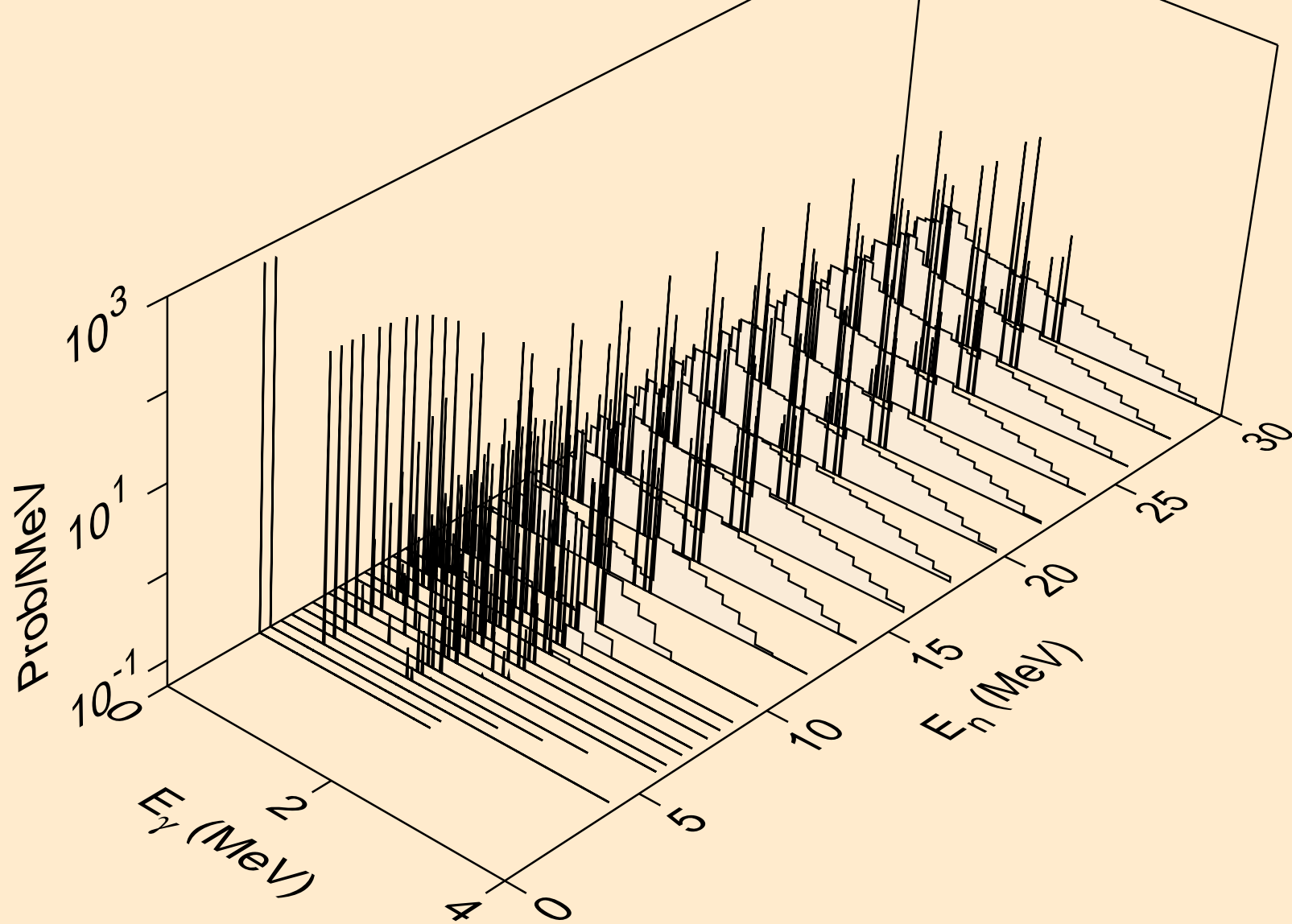
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Photon emission for (n,t)



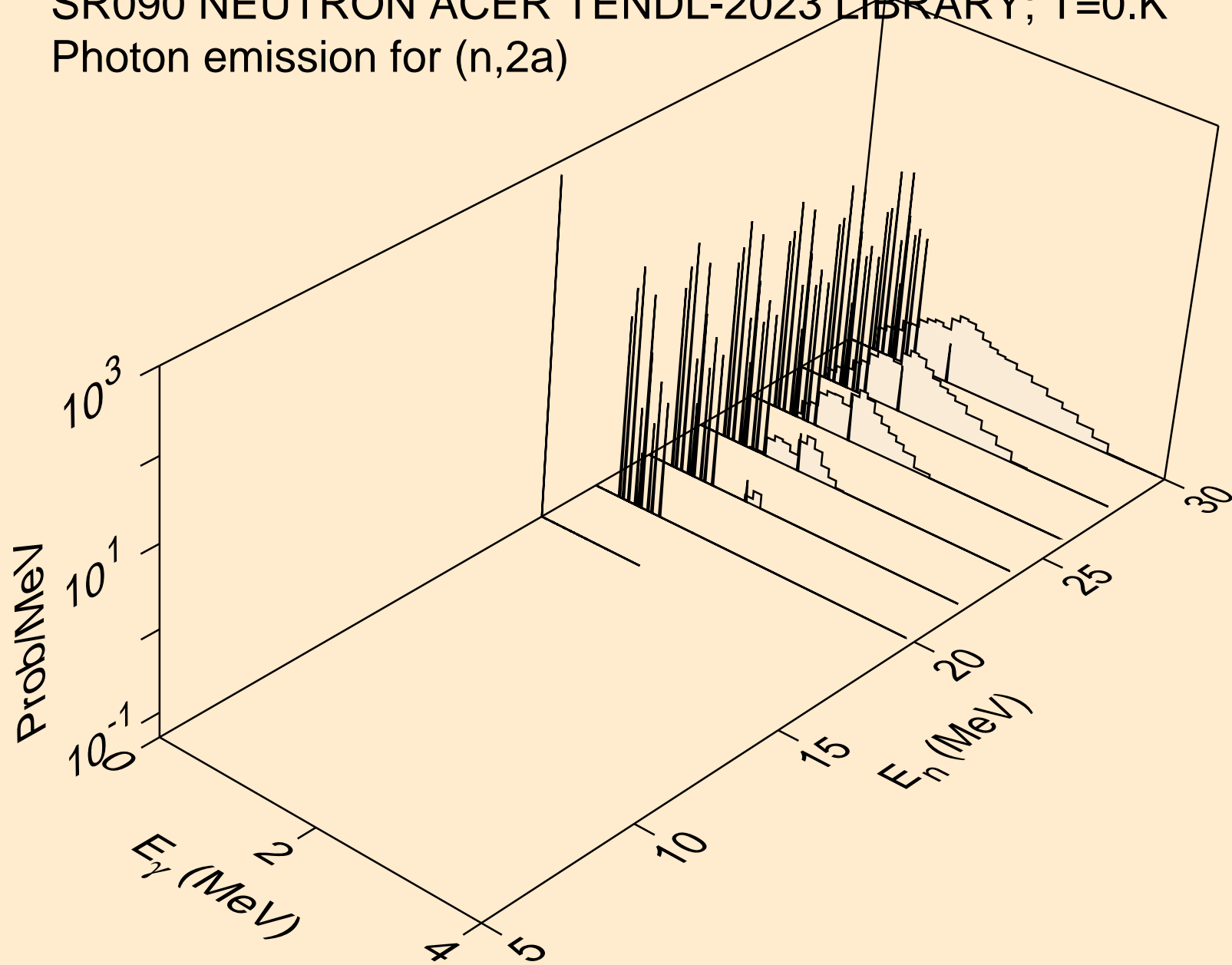
SR090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)



SR090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)

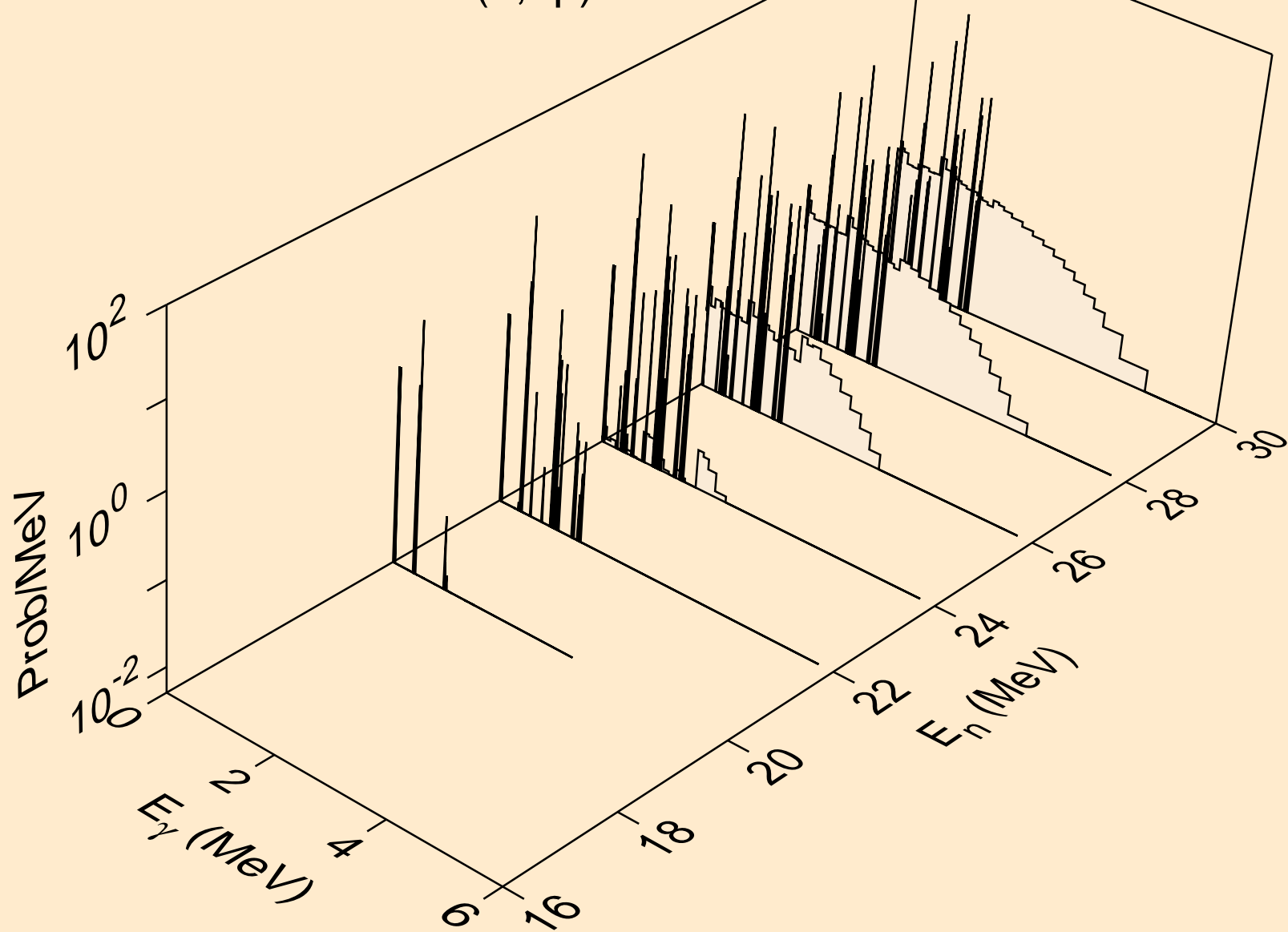


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Photon emission for (n,2a)

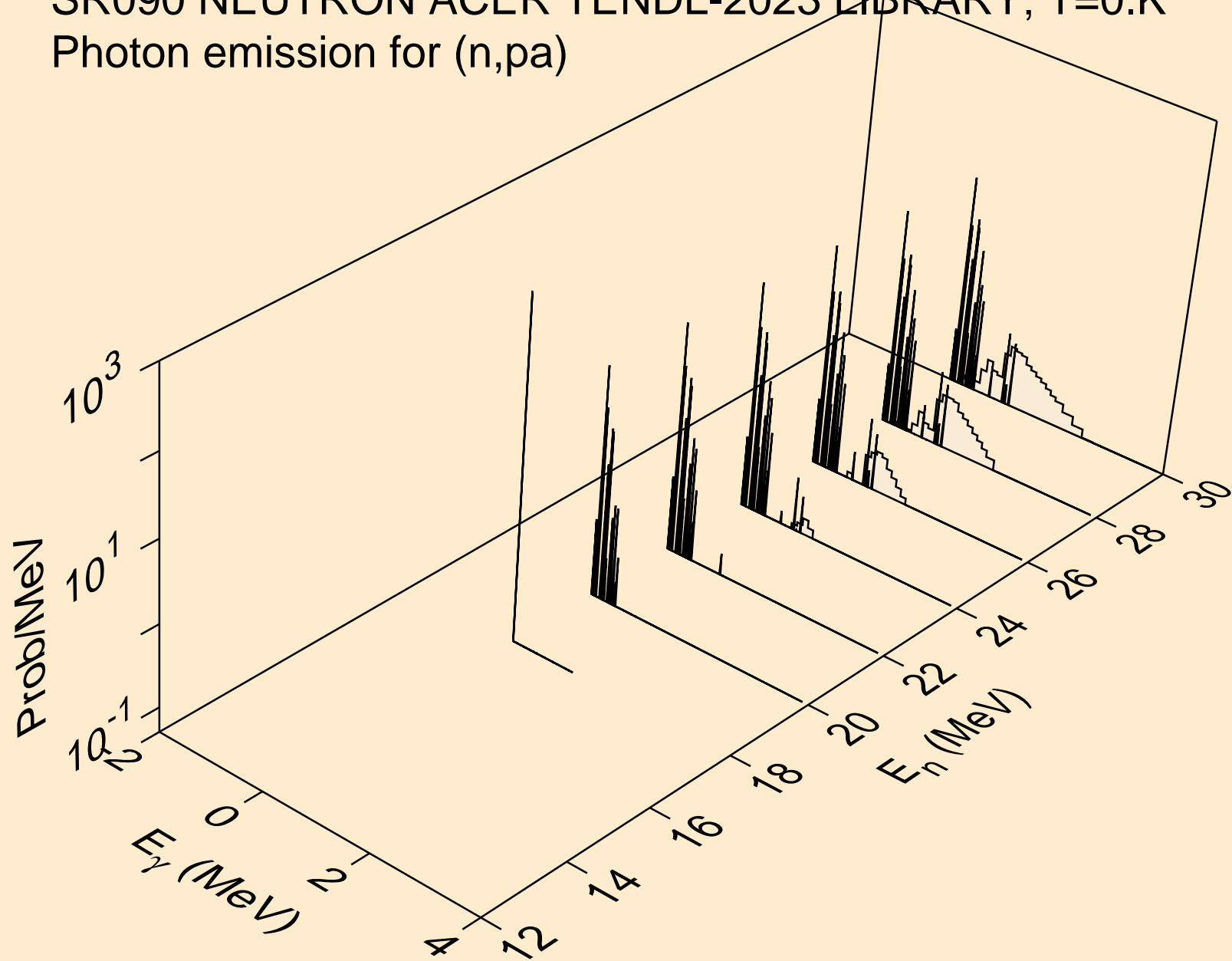




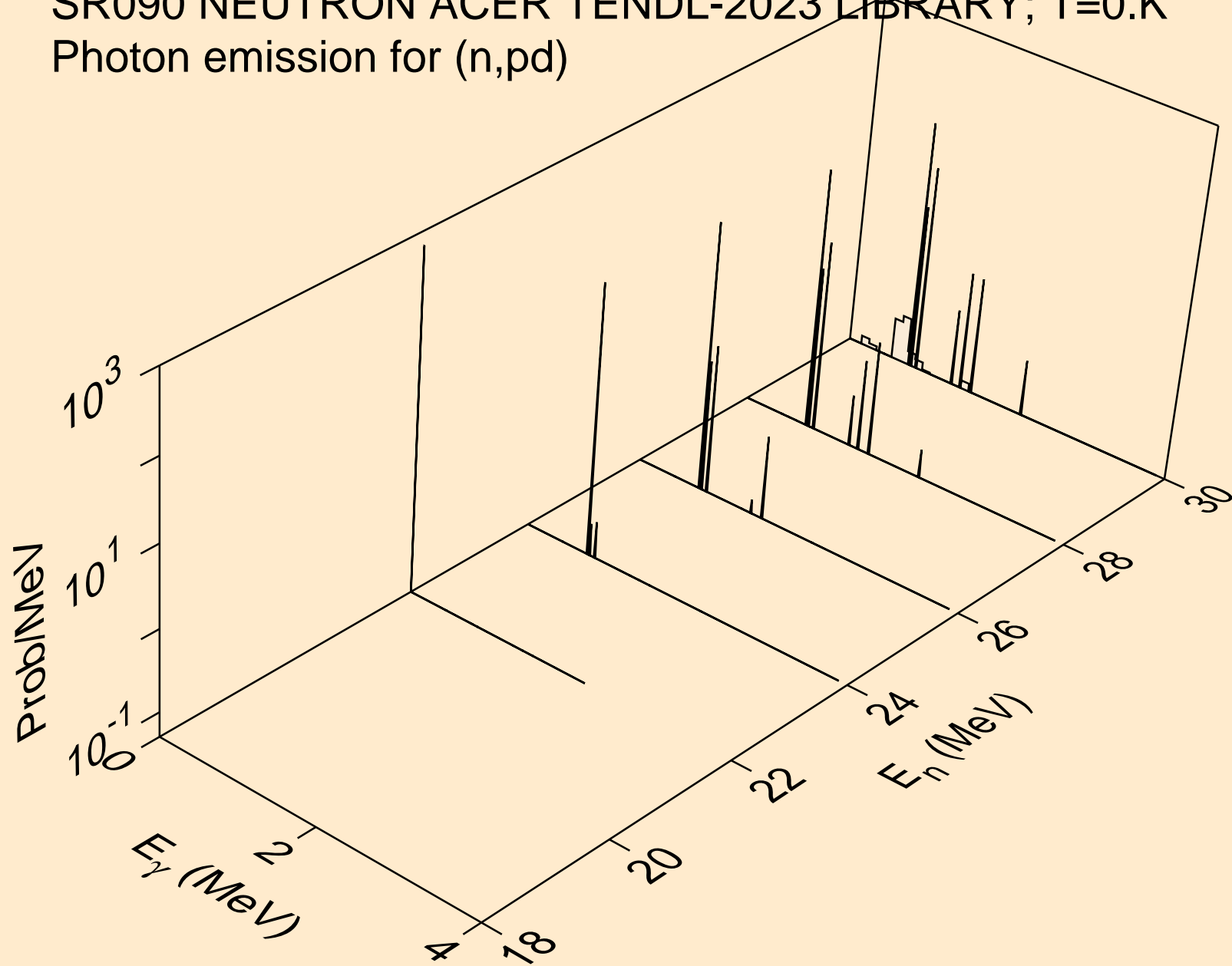
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Photon emission for (n,2p)



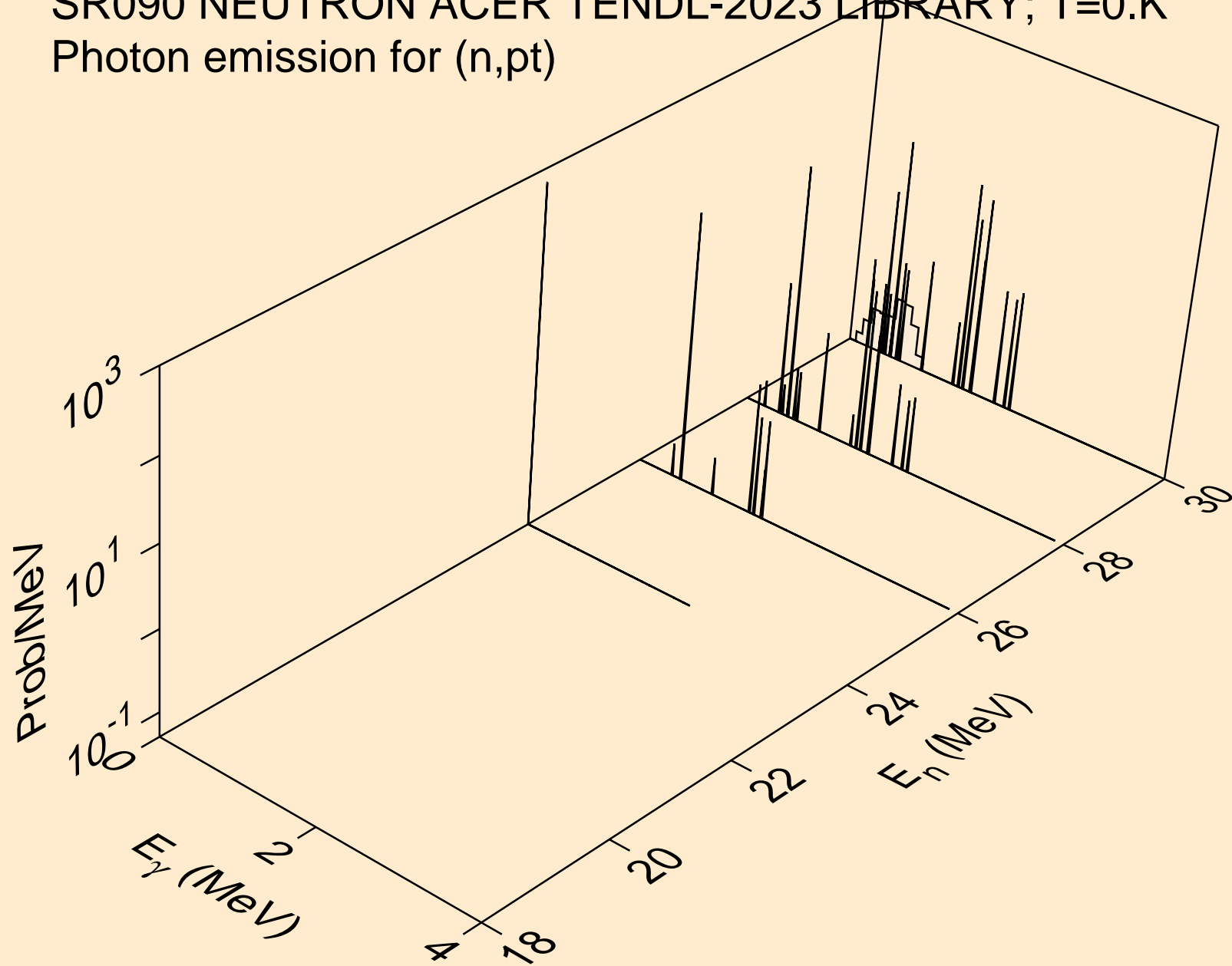
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Photon emission for (n,p)



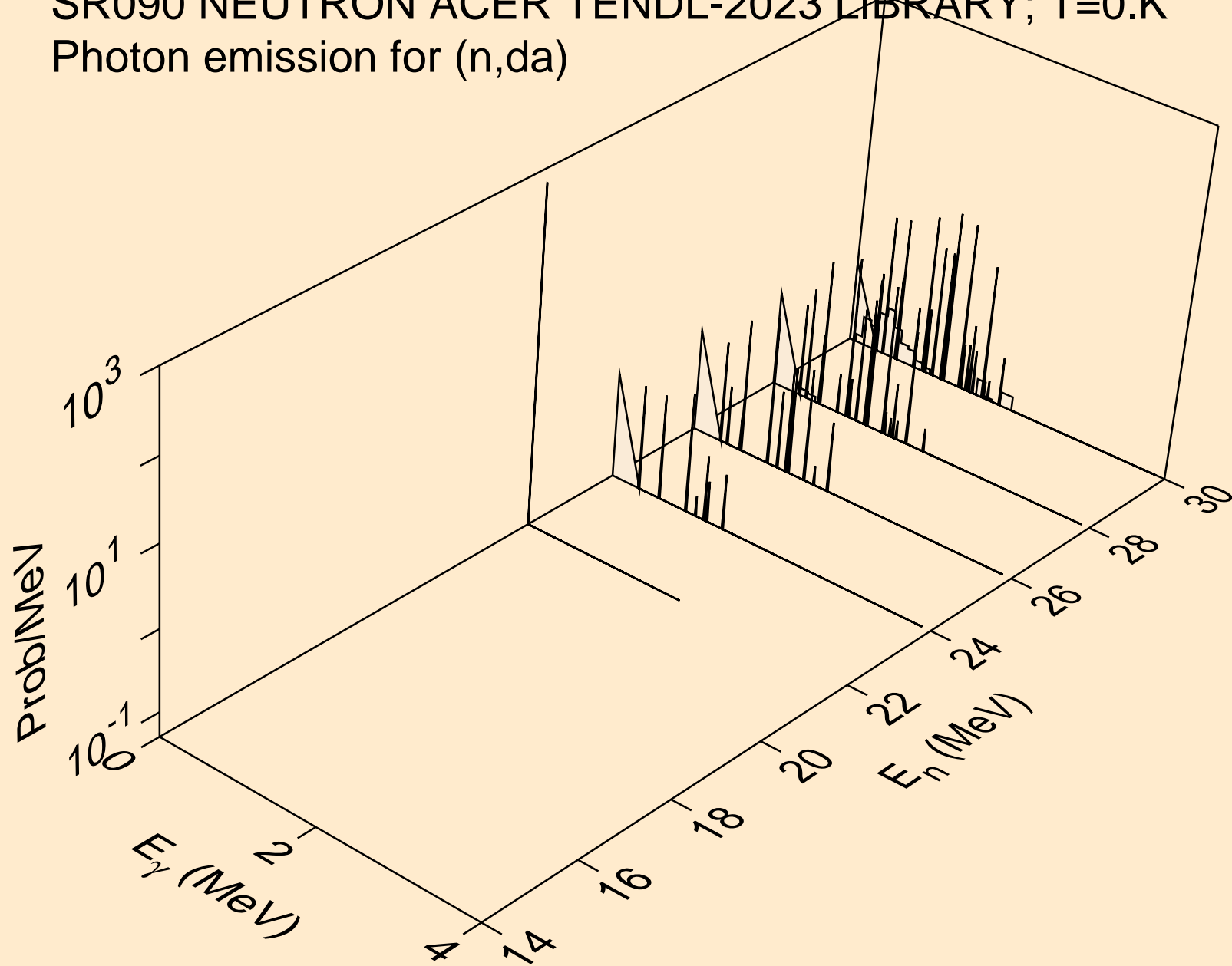
SR090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)



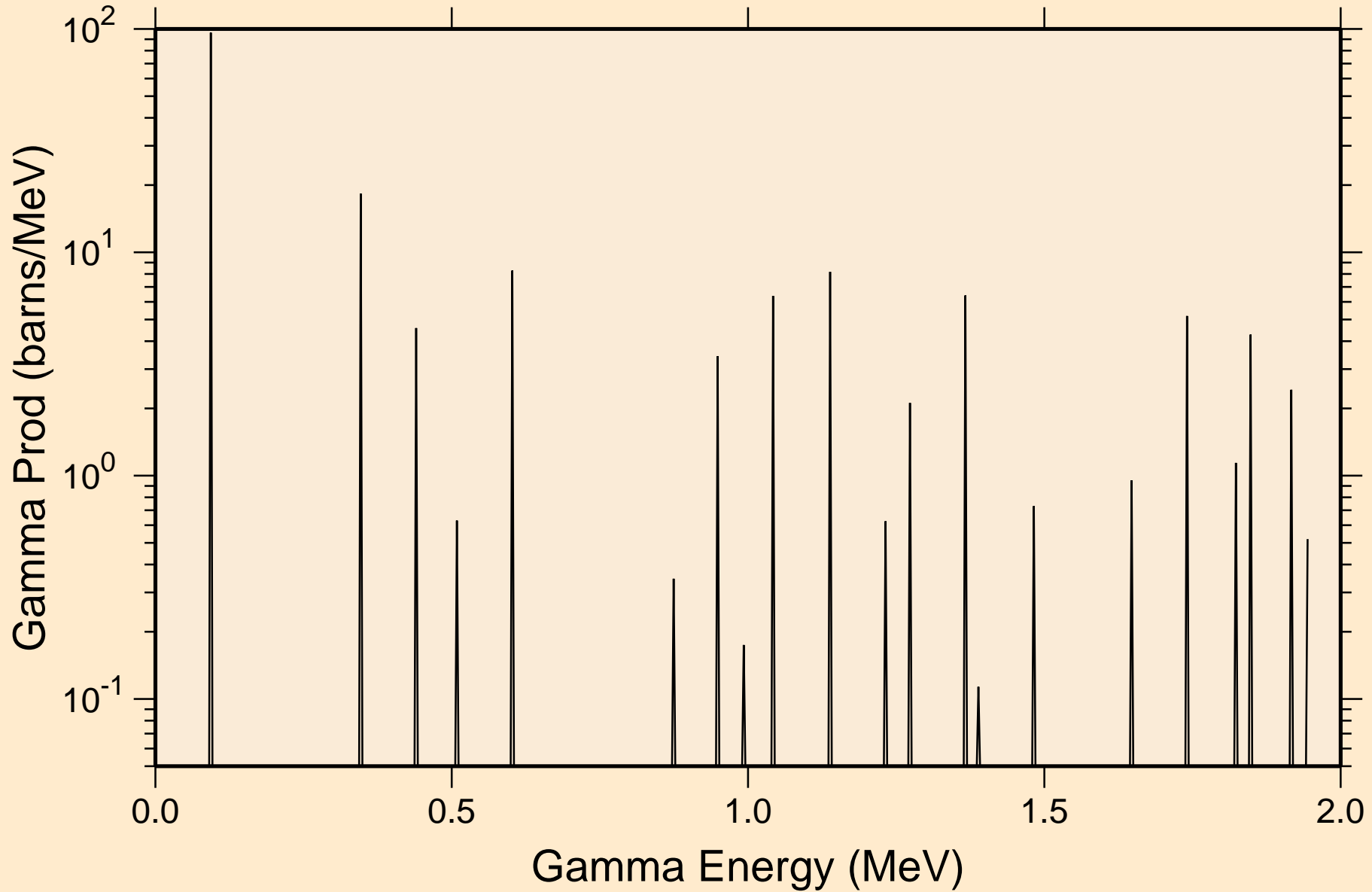
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Photon emission for (n,pt)



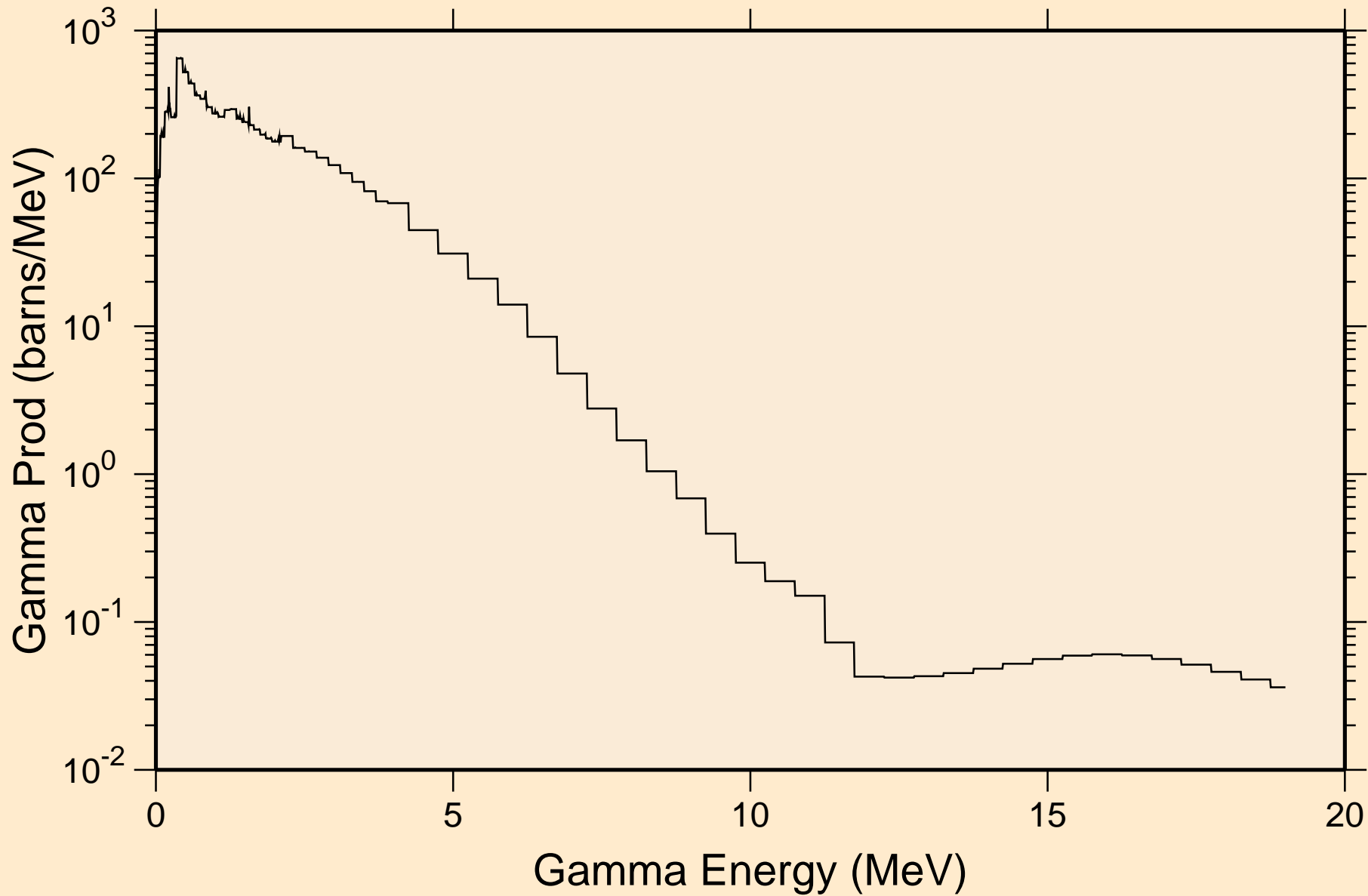
SR090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)



SR090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
thermal capture photon spectrum

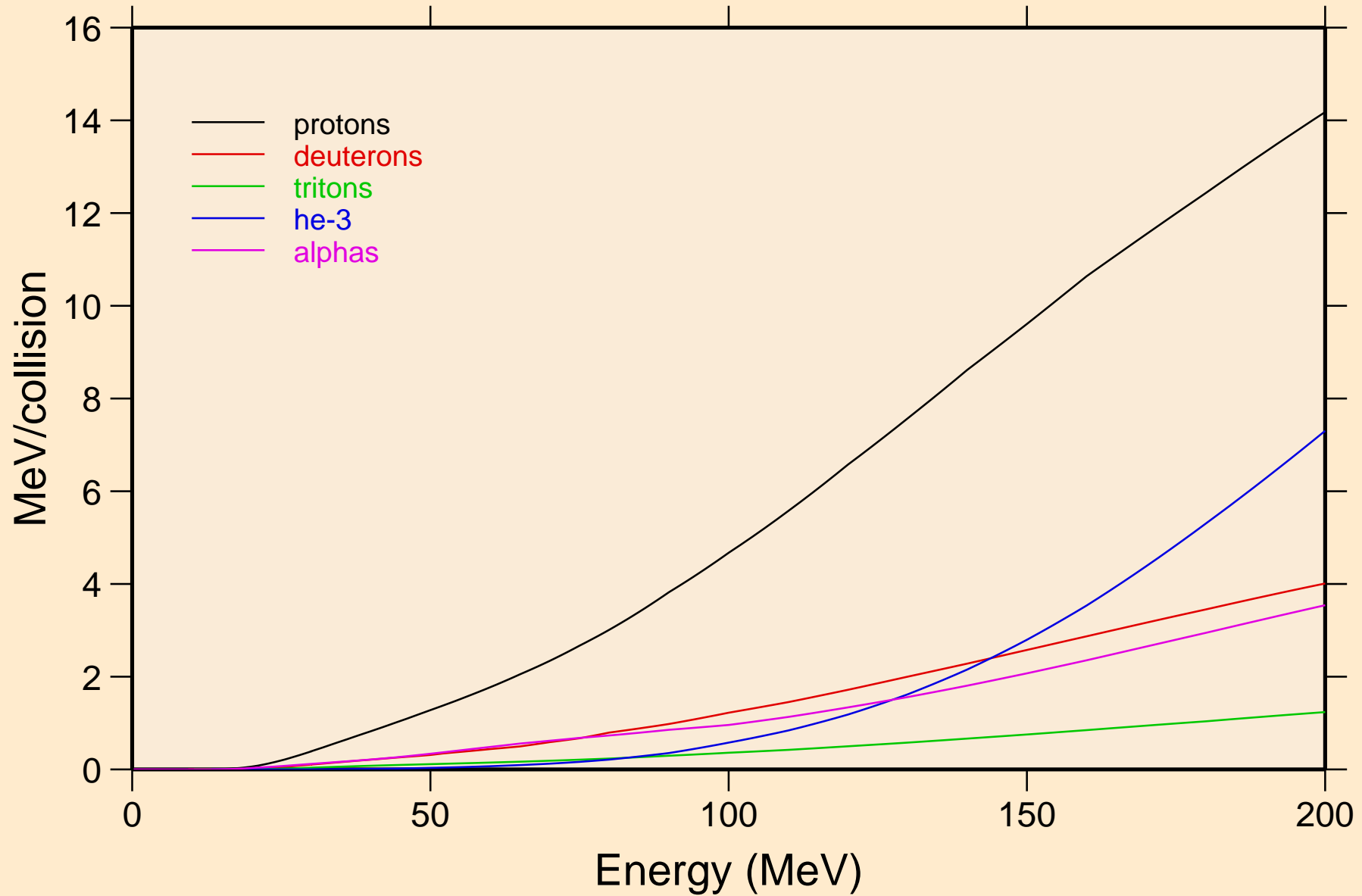


SR090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
14 MeV photon spectrum



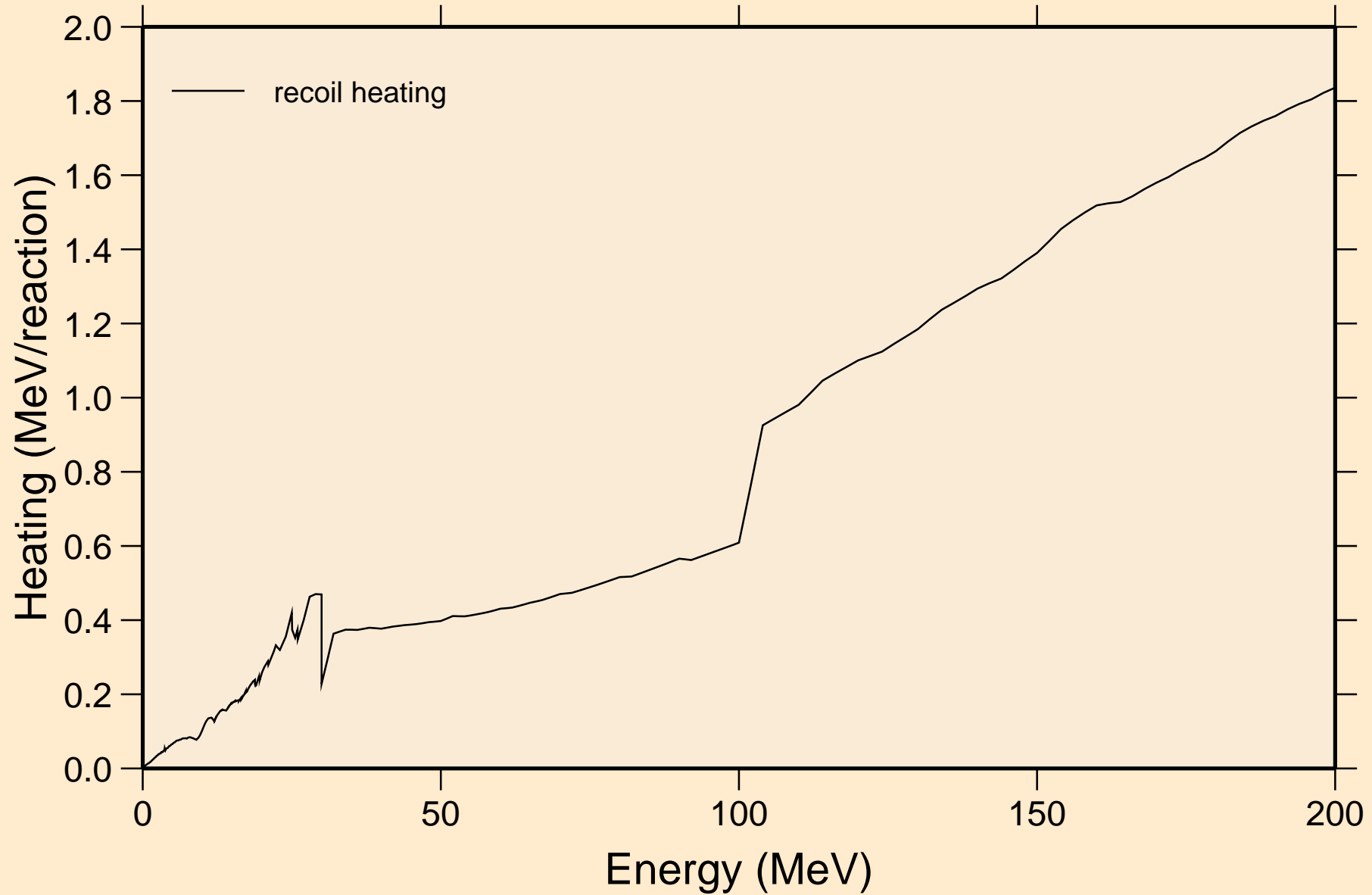
# SR090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Particle heating contributions



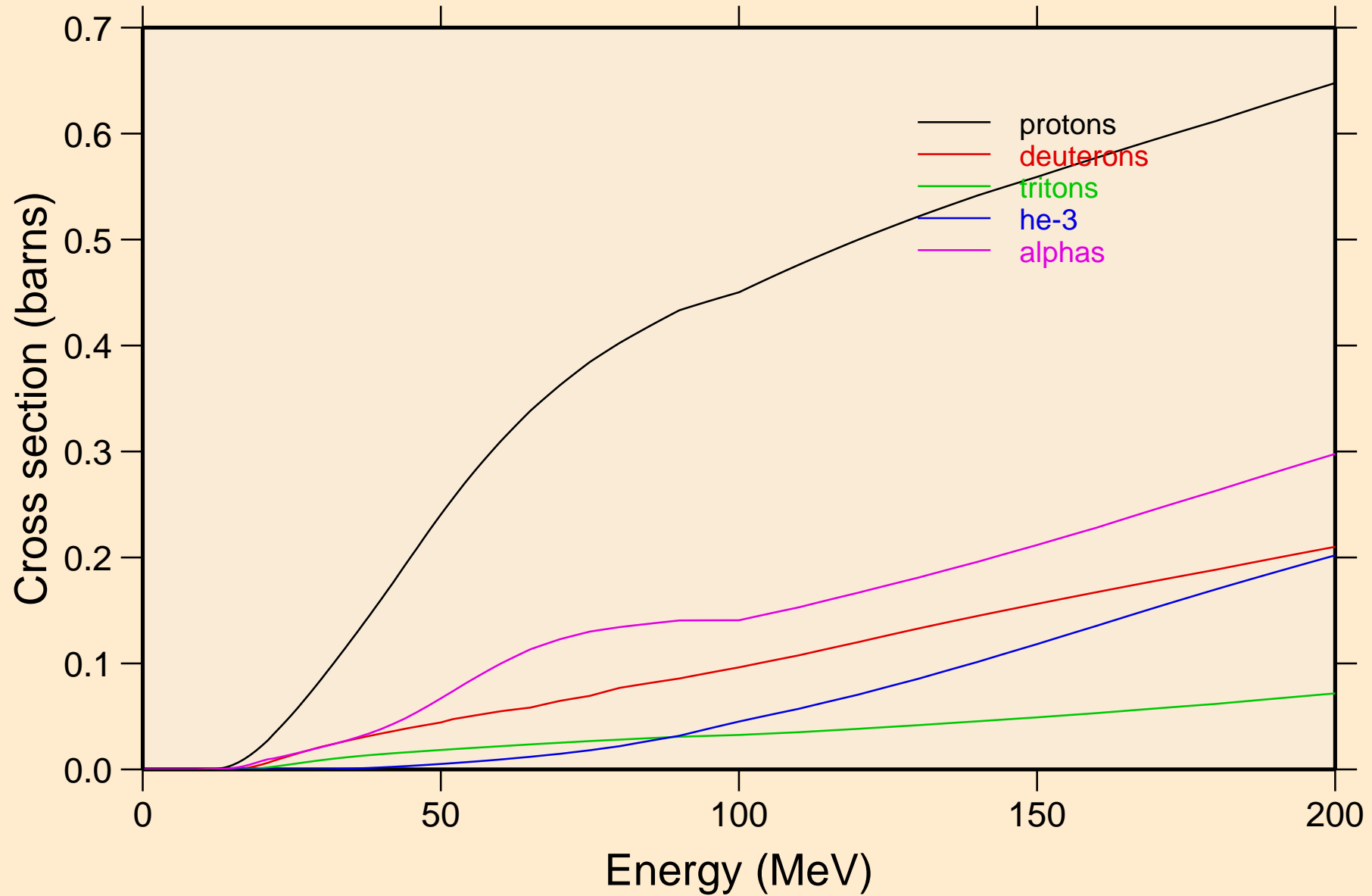


SR090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating

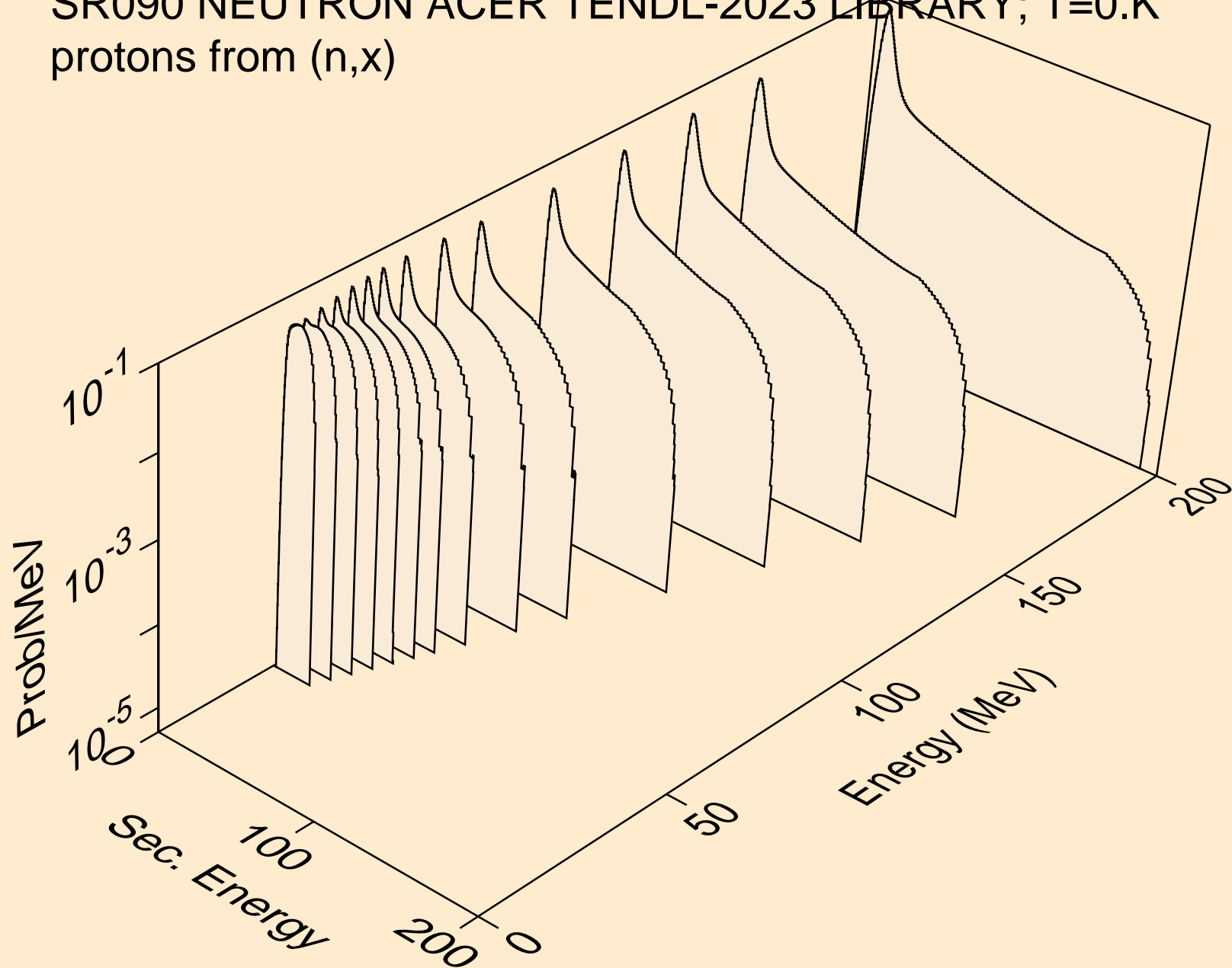


# SR090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

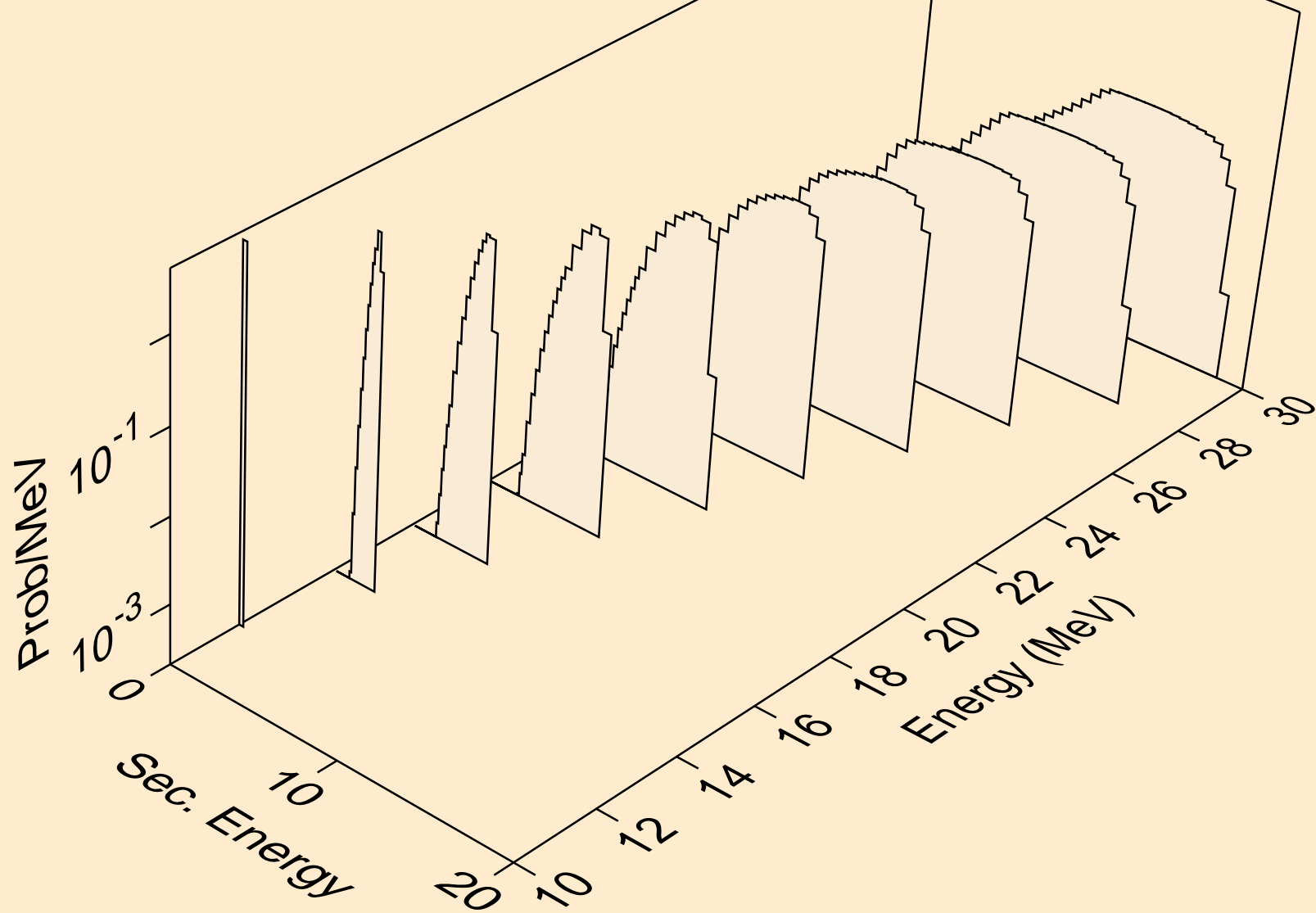
## Particle production cross sections



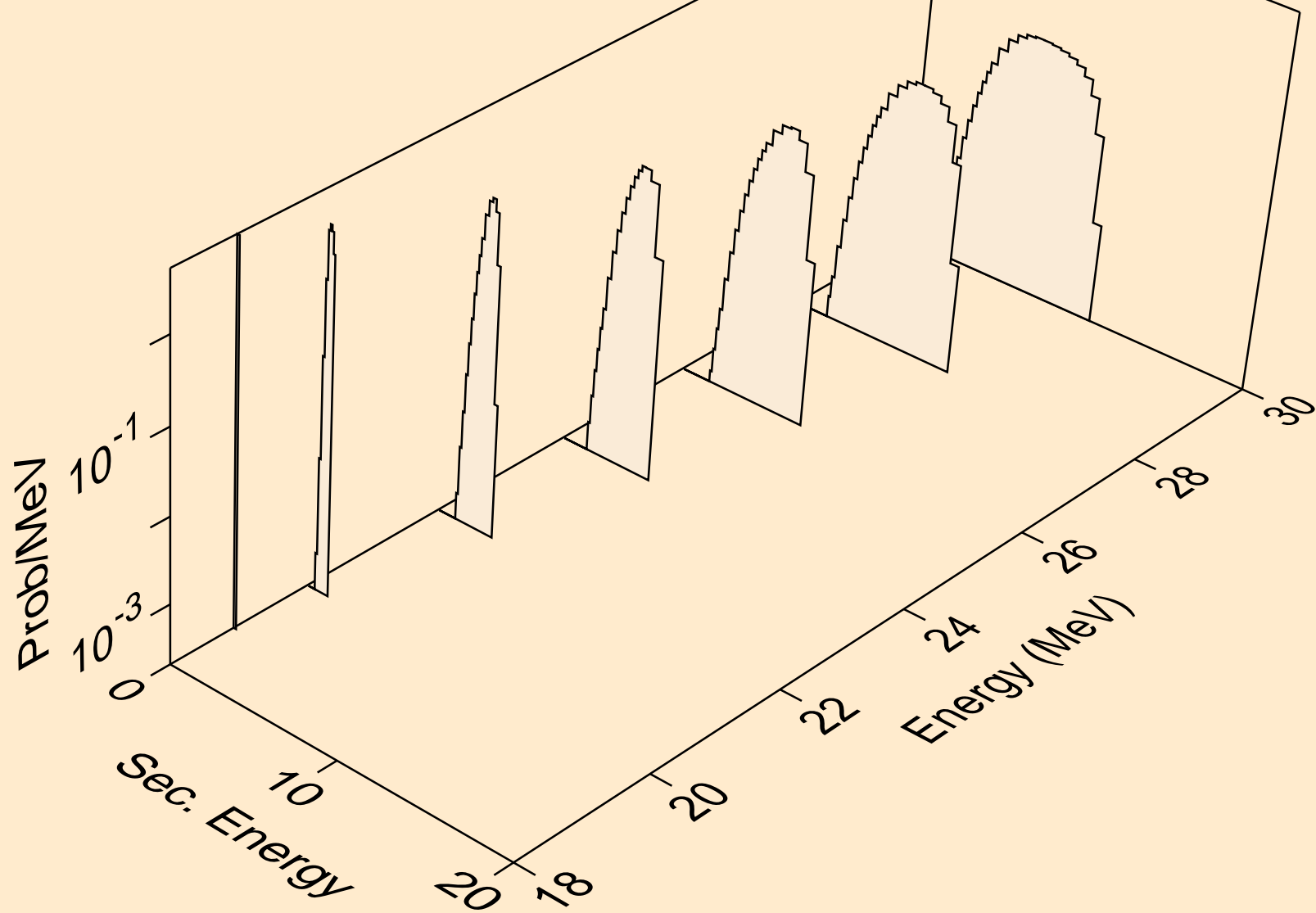
SR090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,x)



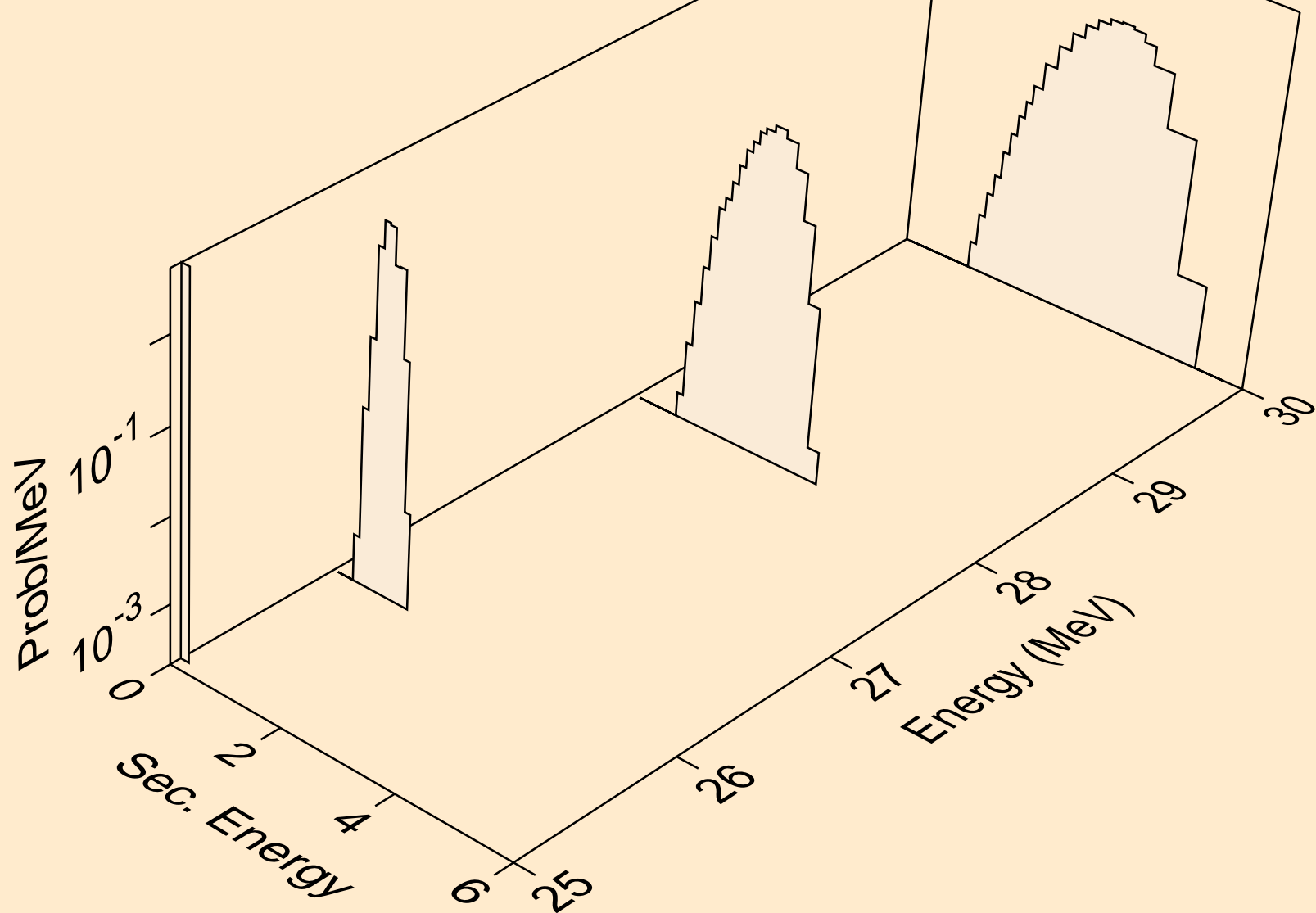
SR090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n\*)p



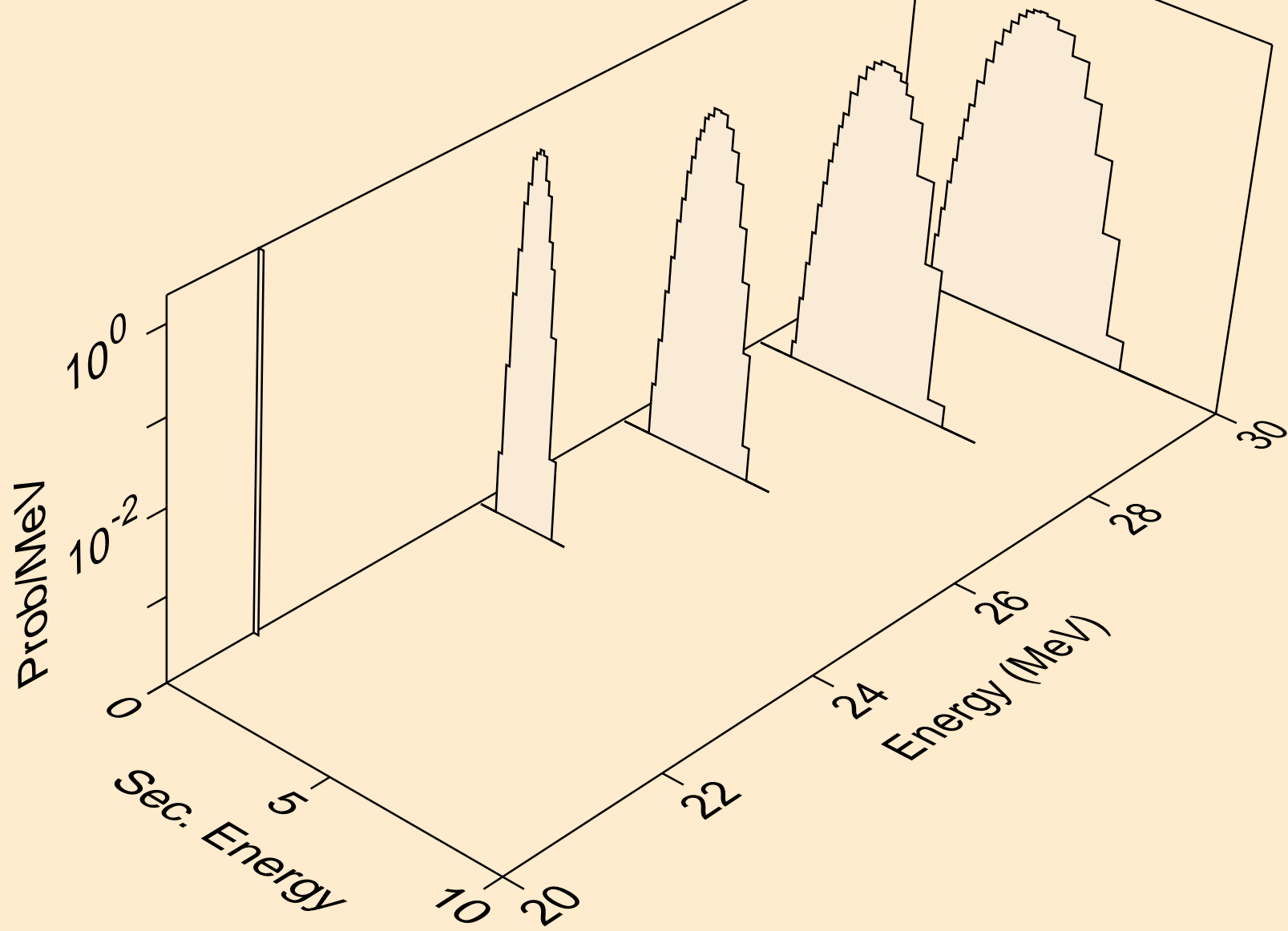
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protons from (n,2np)



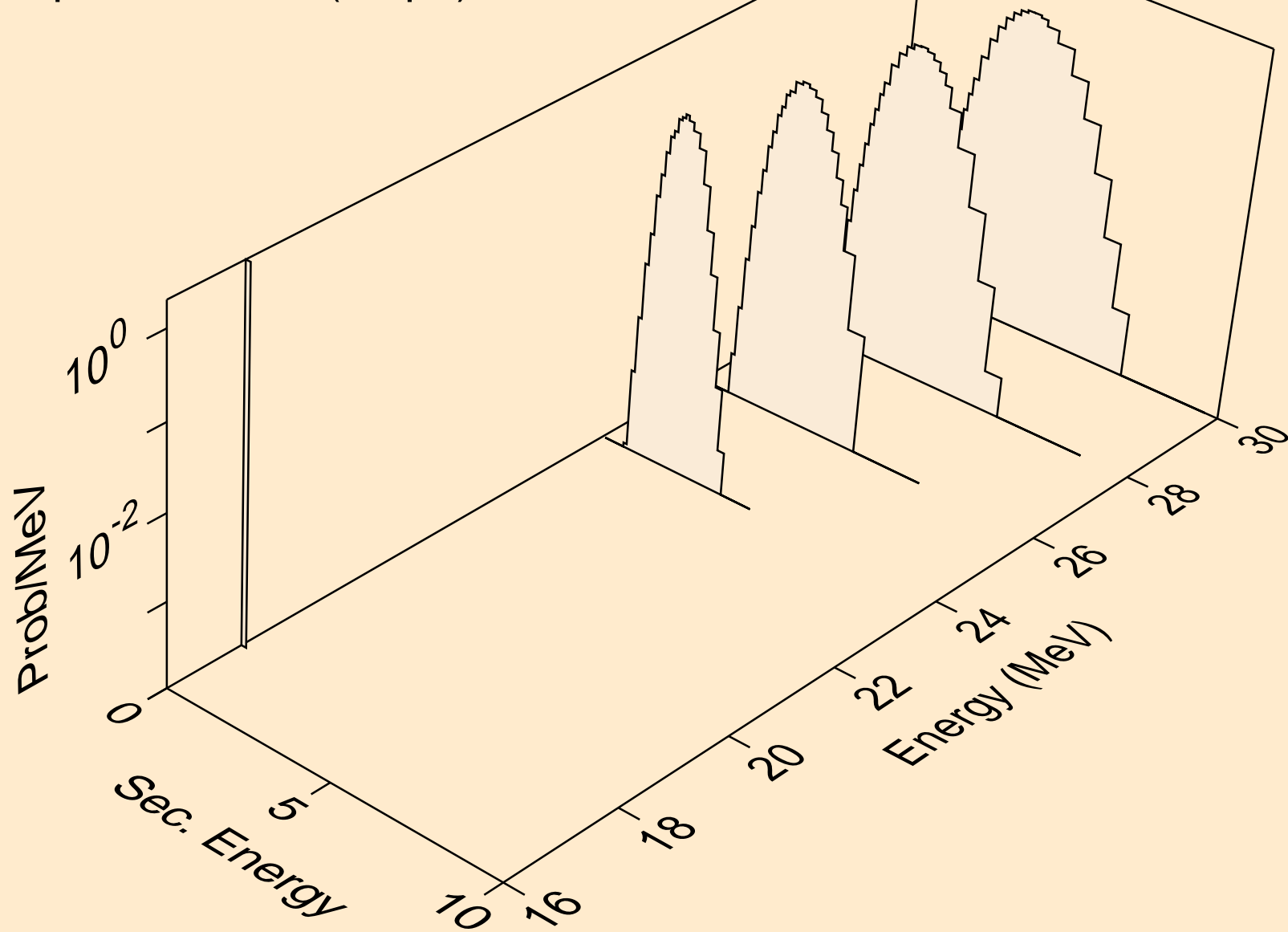
SR090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,3np)



SR090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n2p)

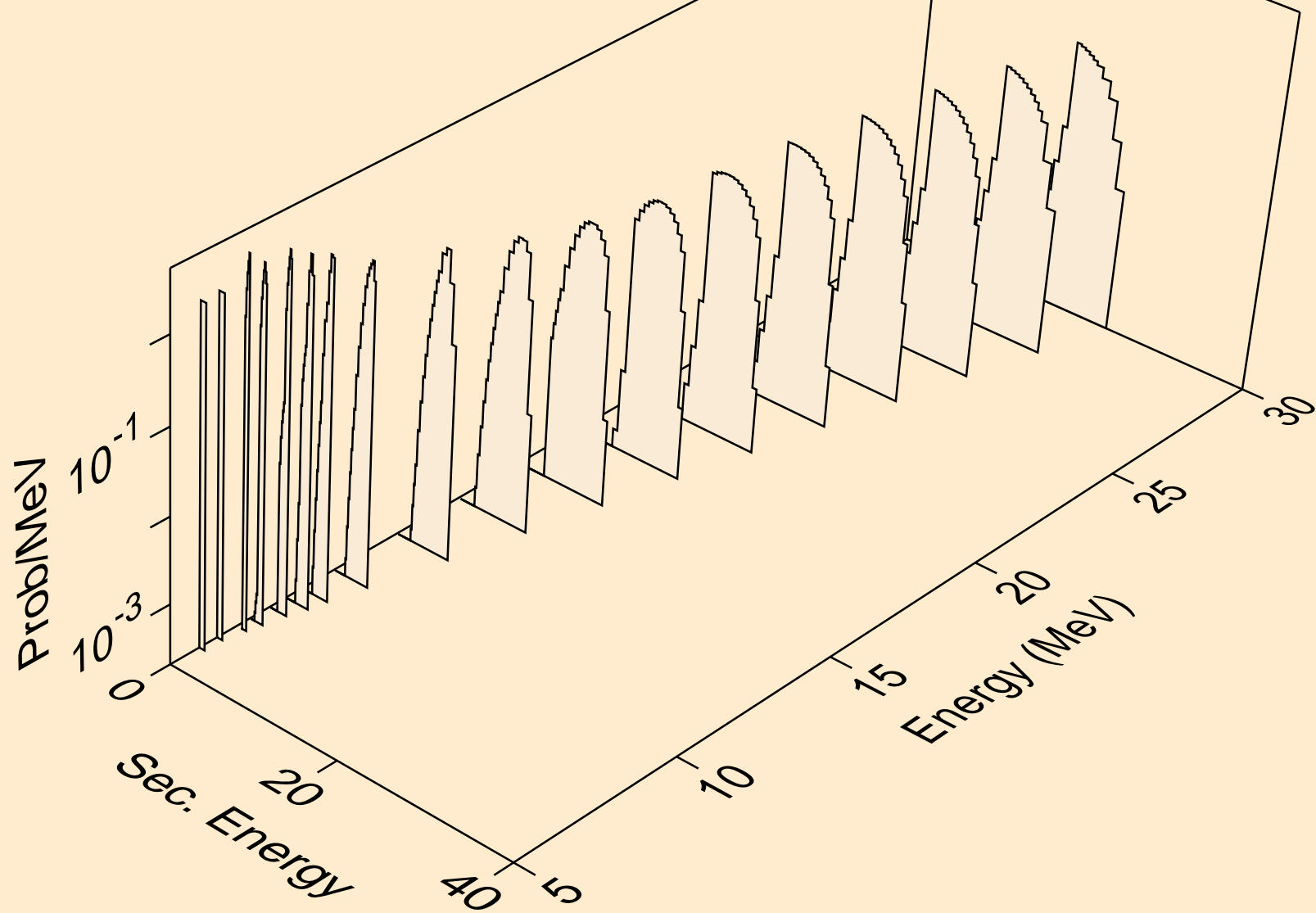


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protons from (n,npa)

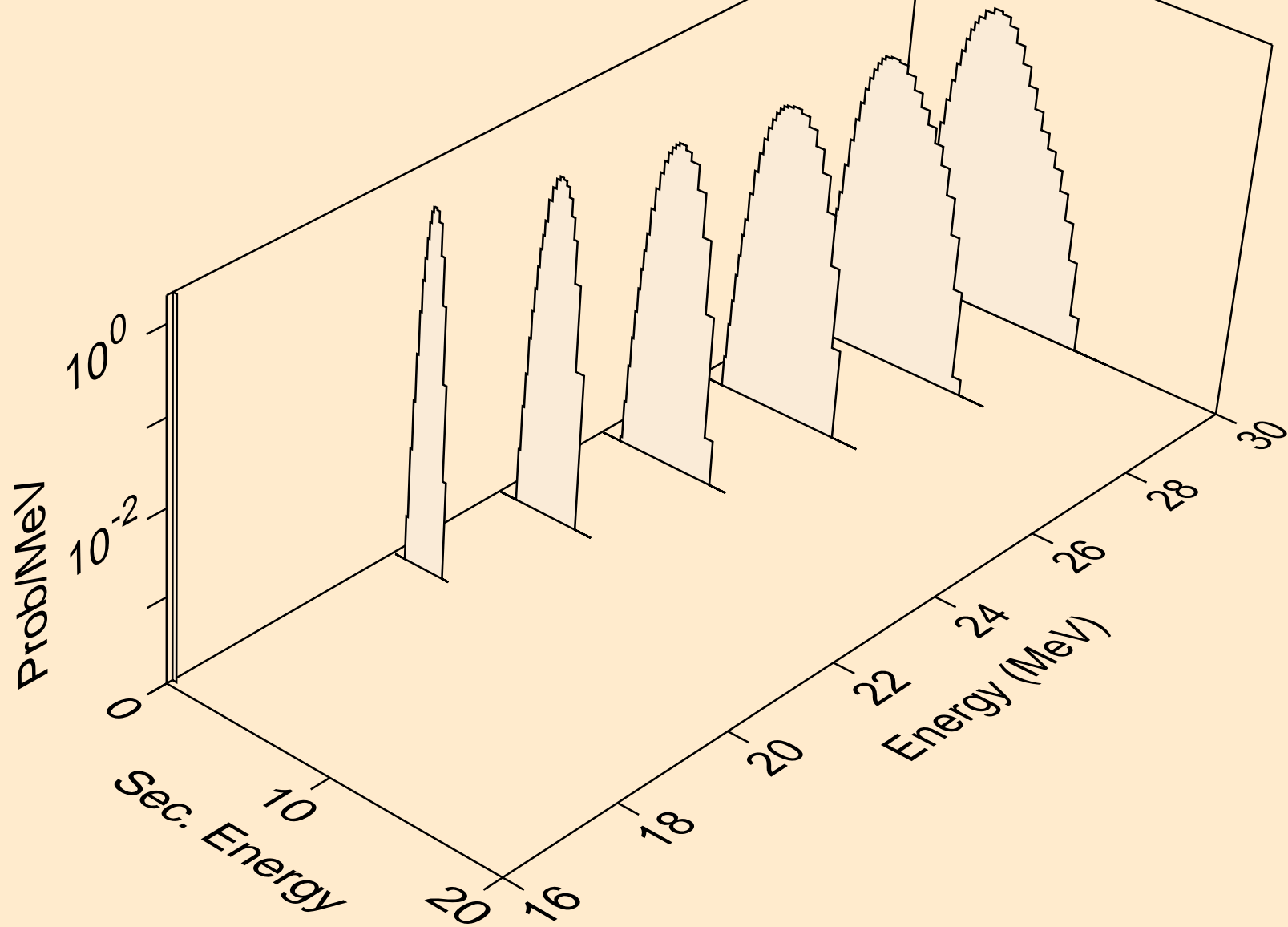




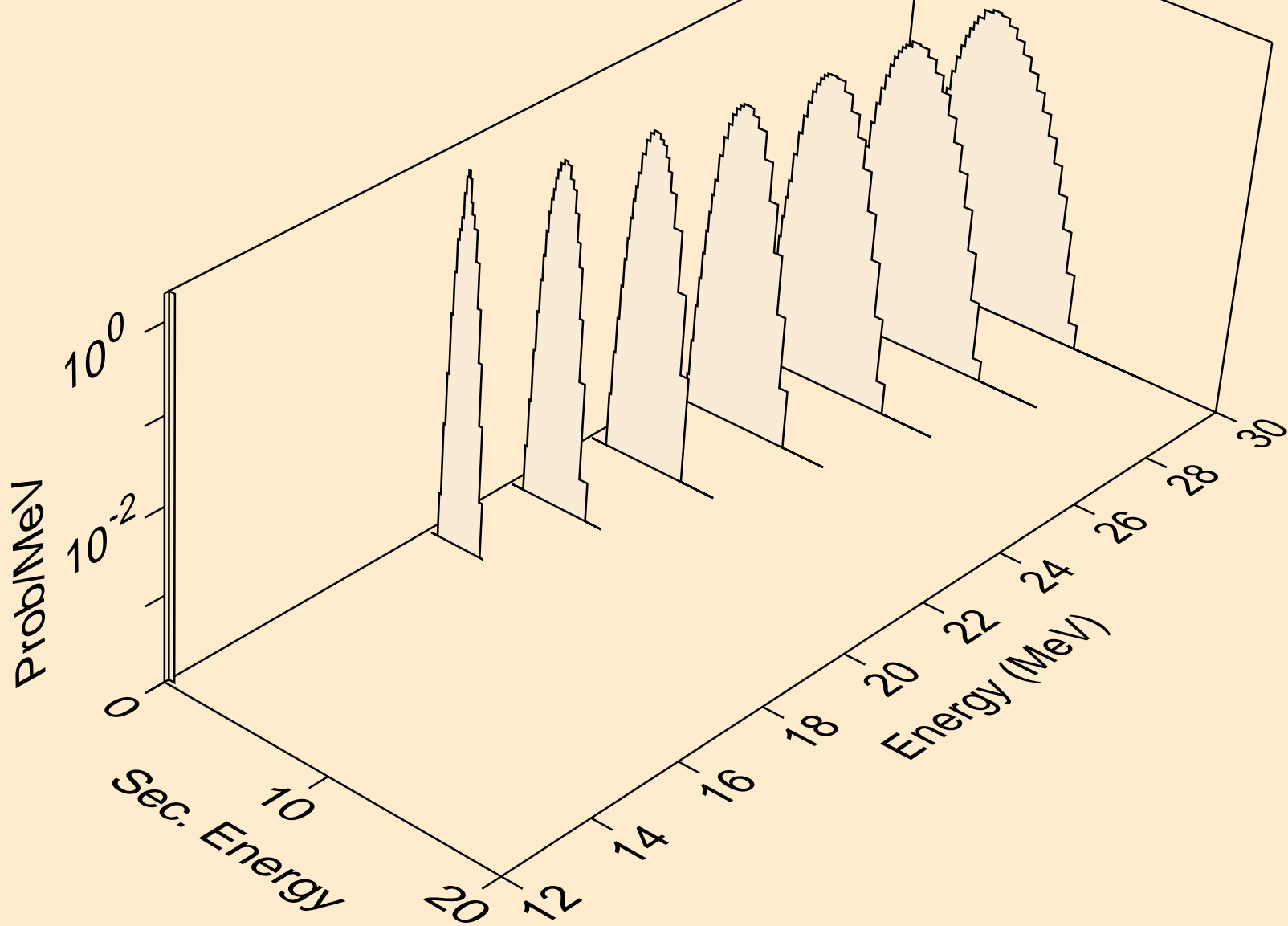
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protons from (n,p)



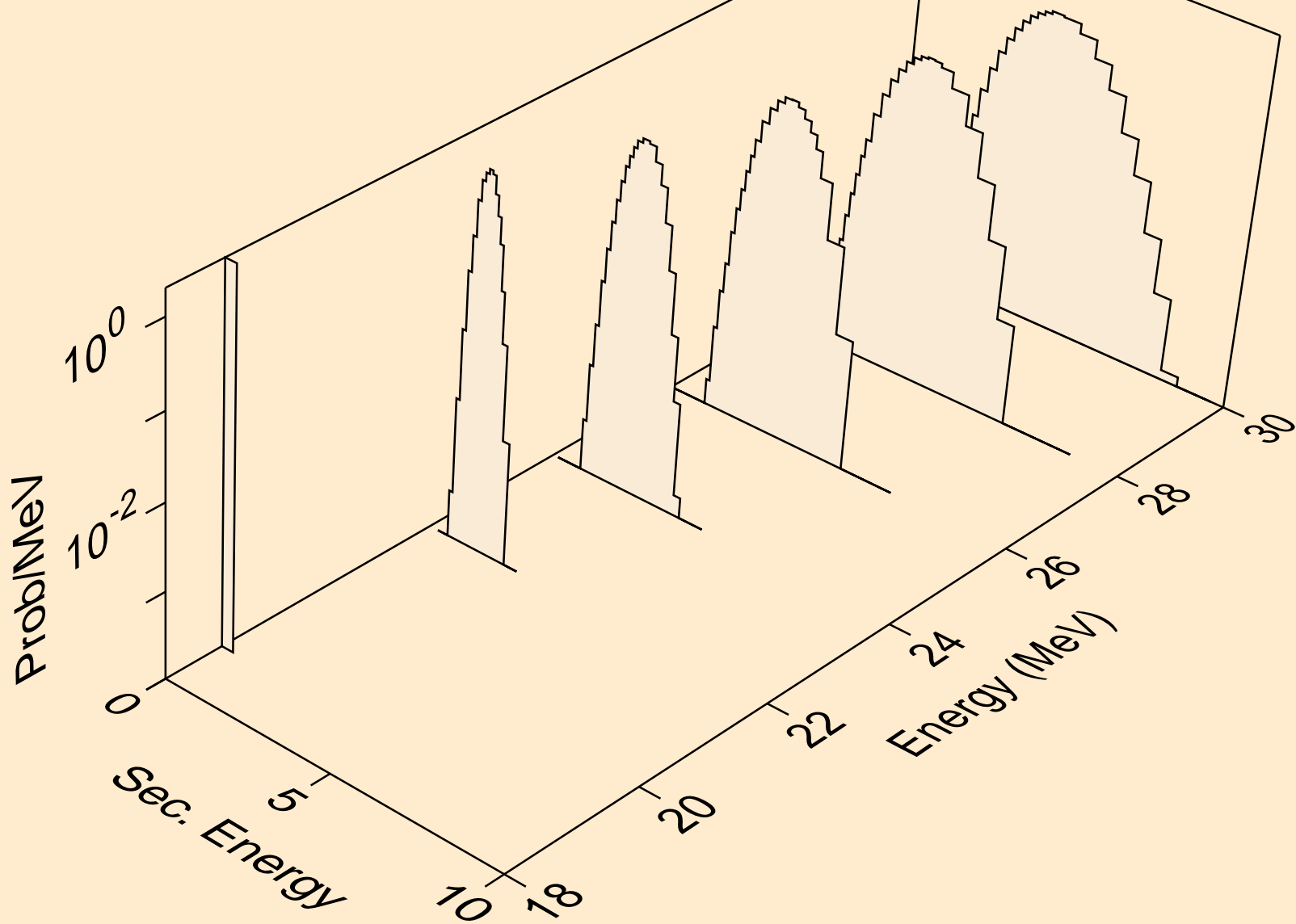
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protons from (n,2p)



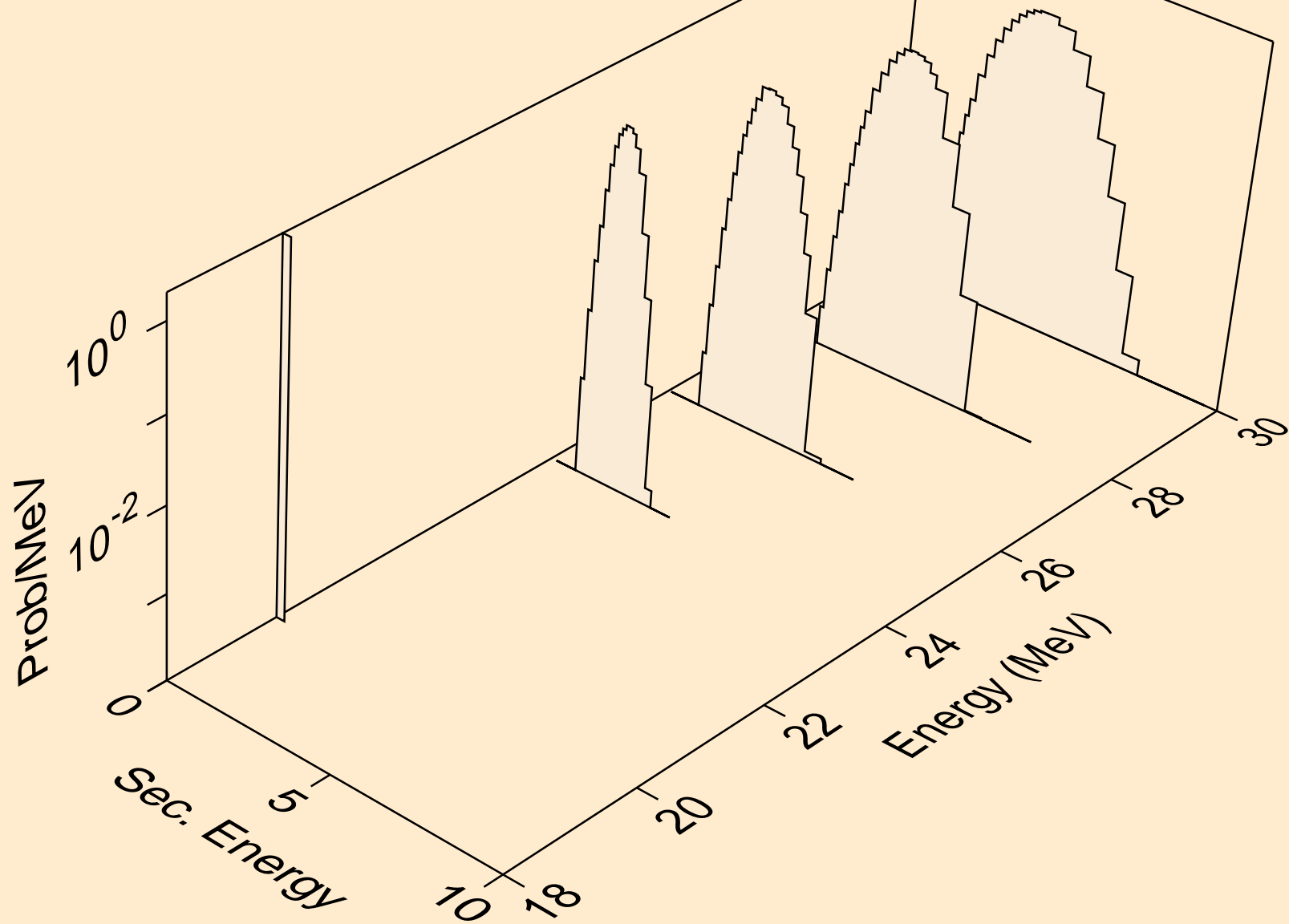
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protons from (n,p)



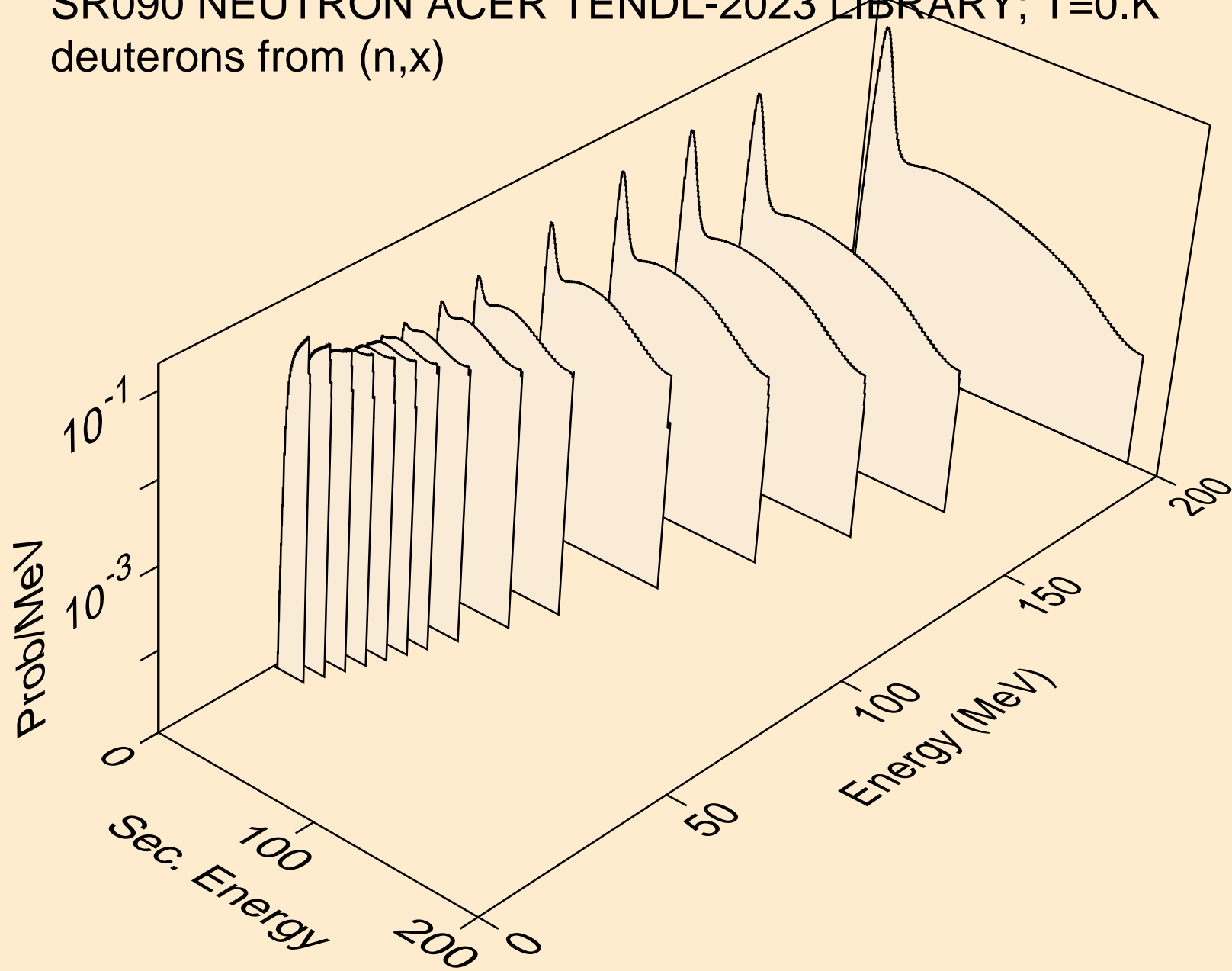
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protons from (n,pd)



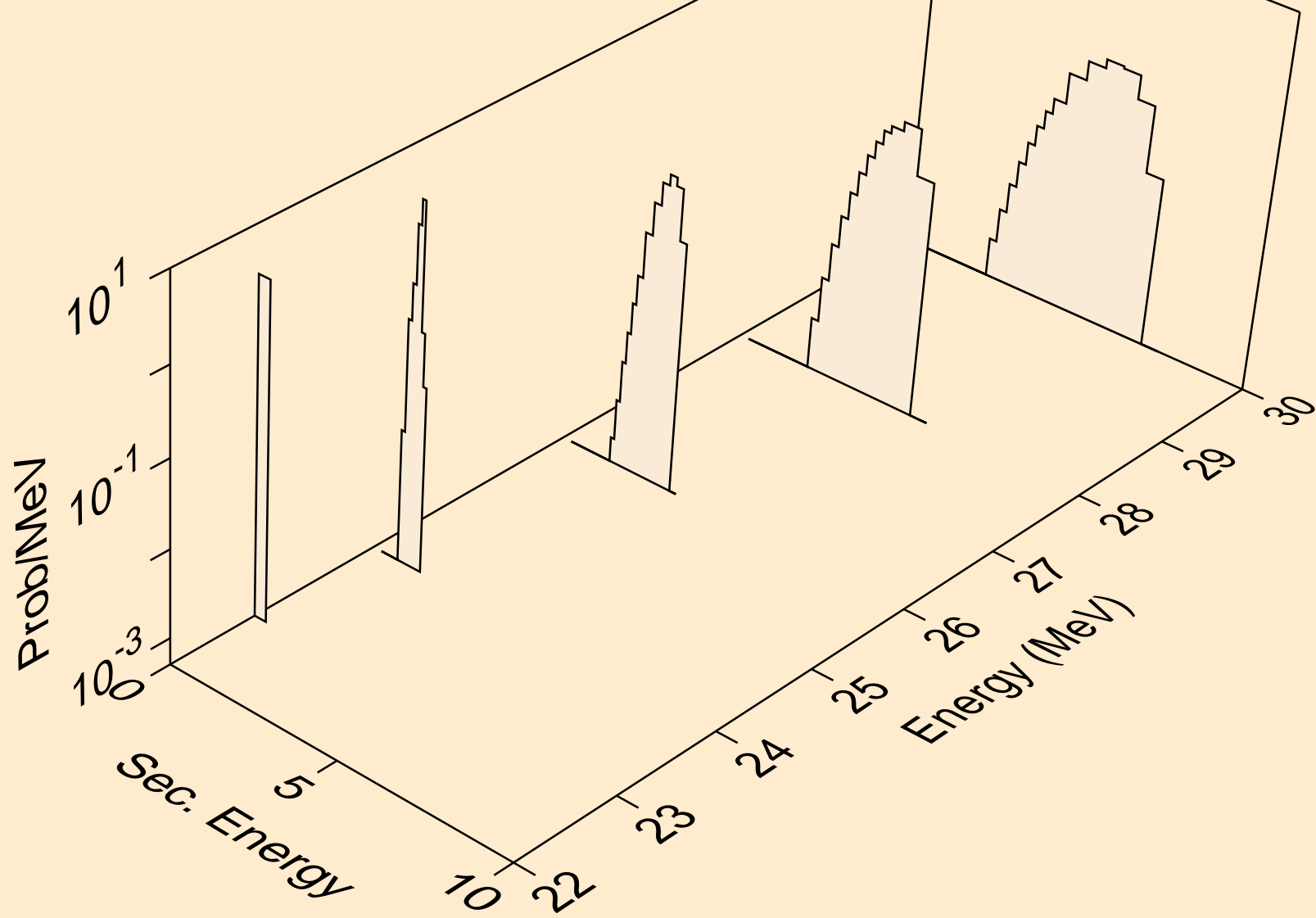
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protons from (n,pt)



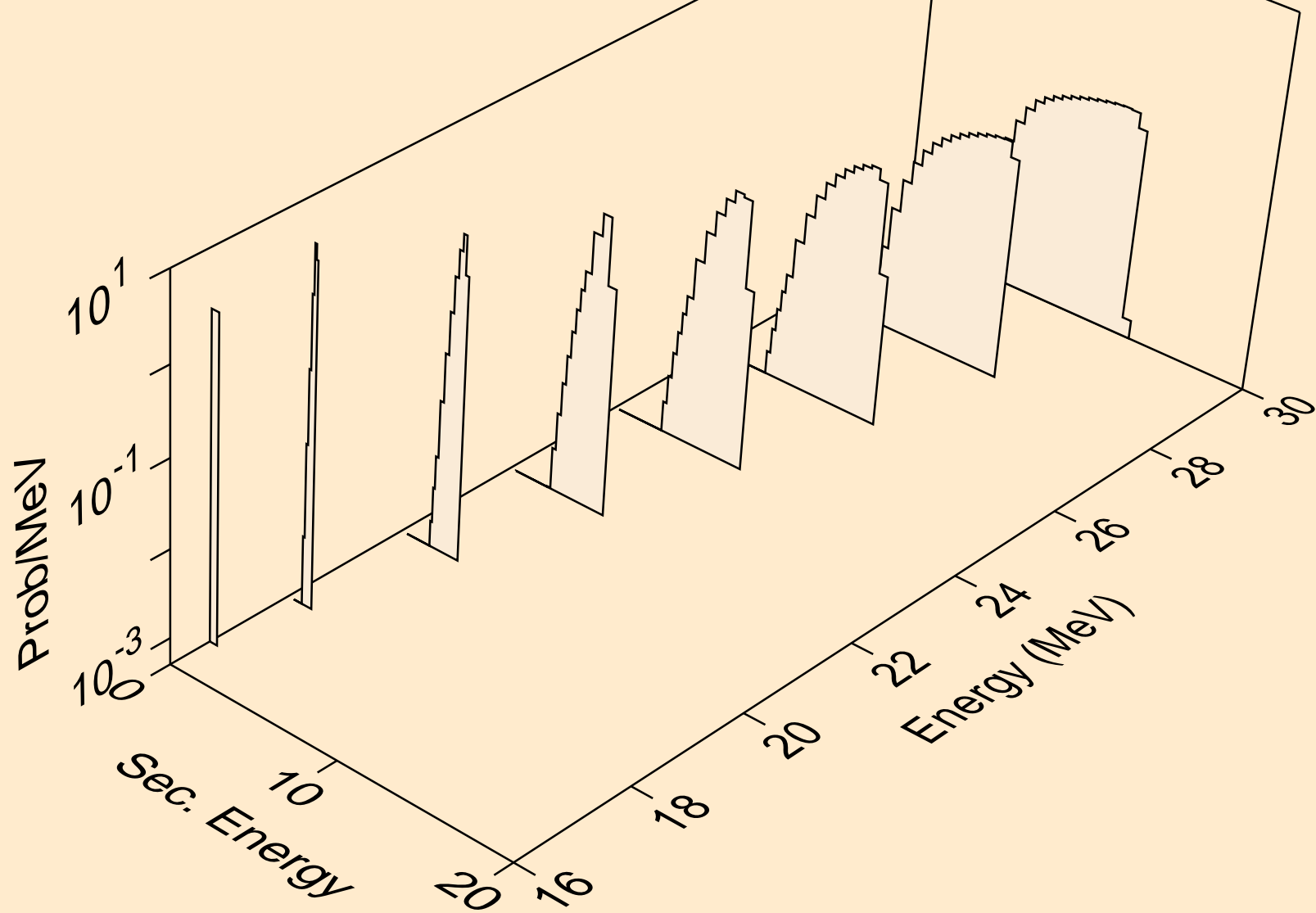
SR090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,x)



SR090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
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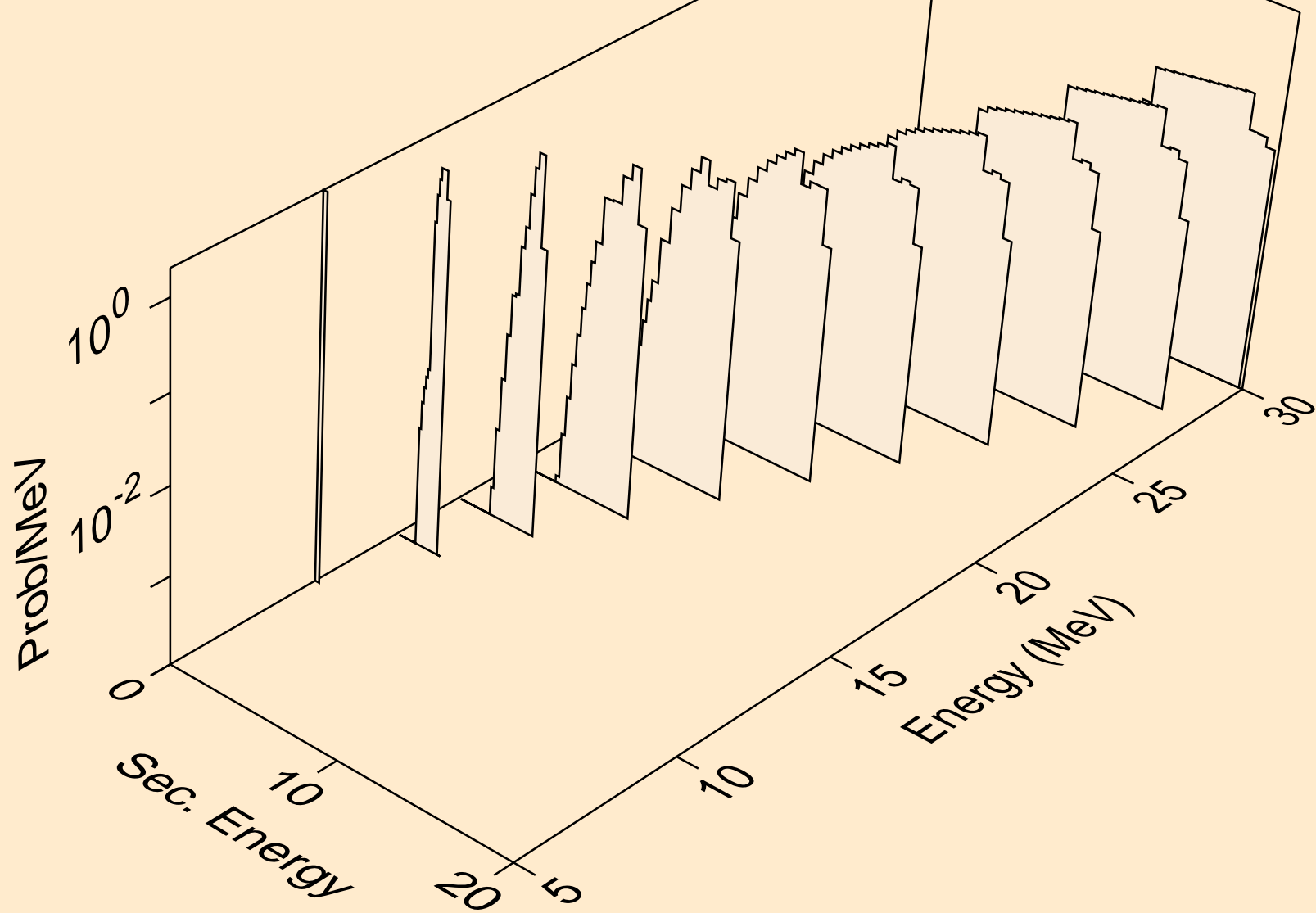


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deuterons from (n,n\*)d

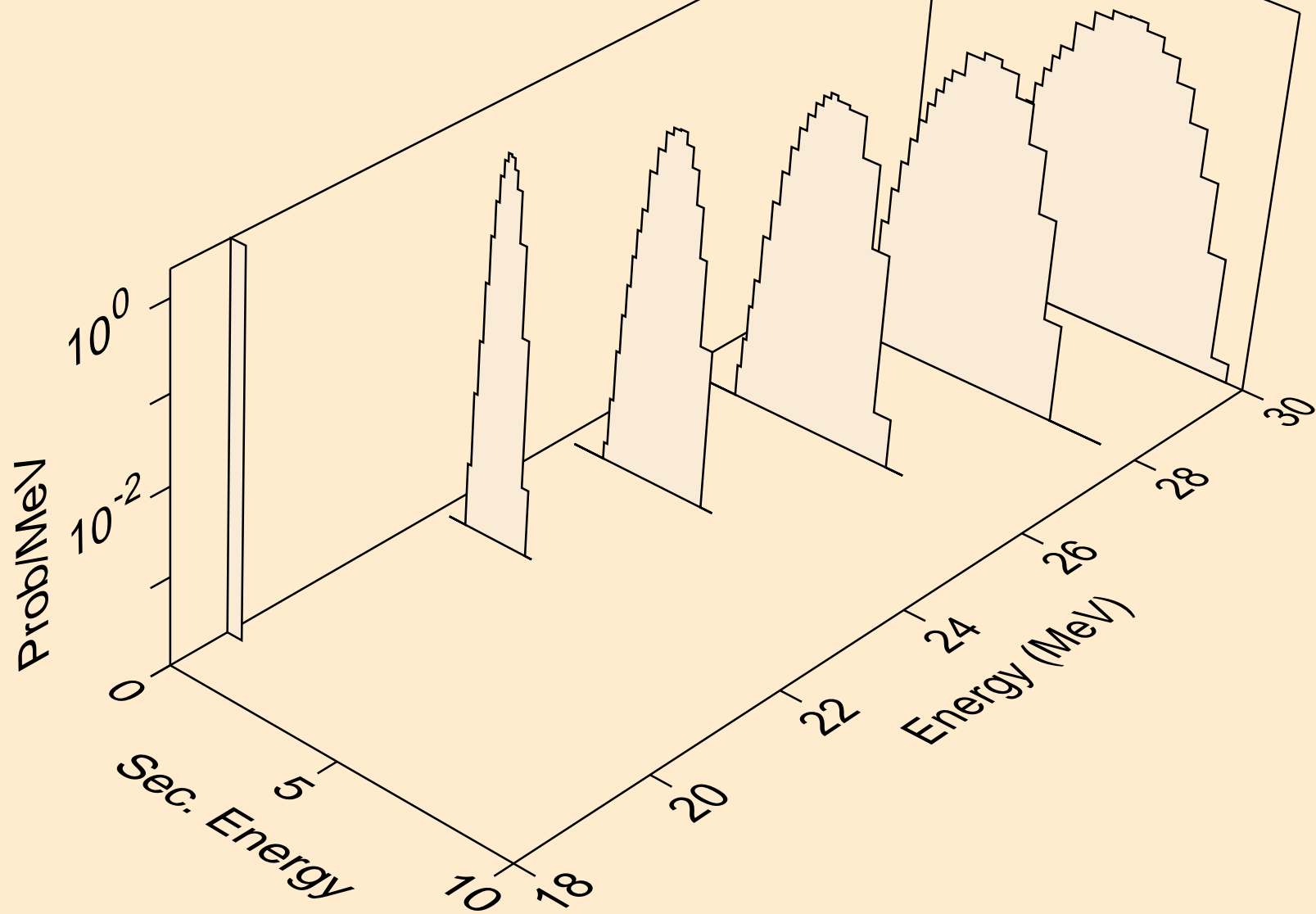




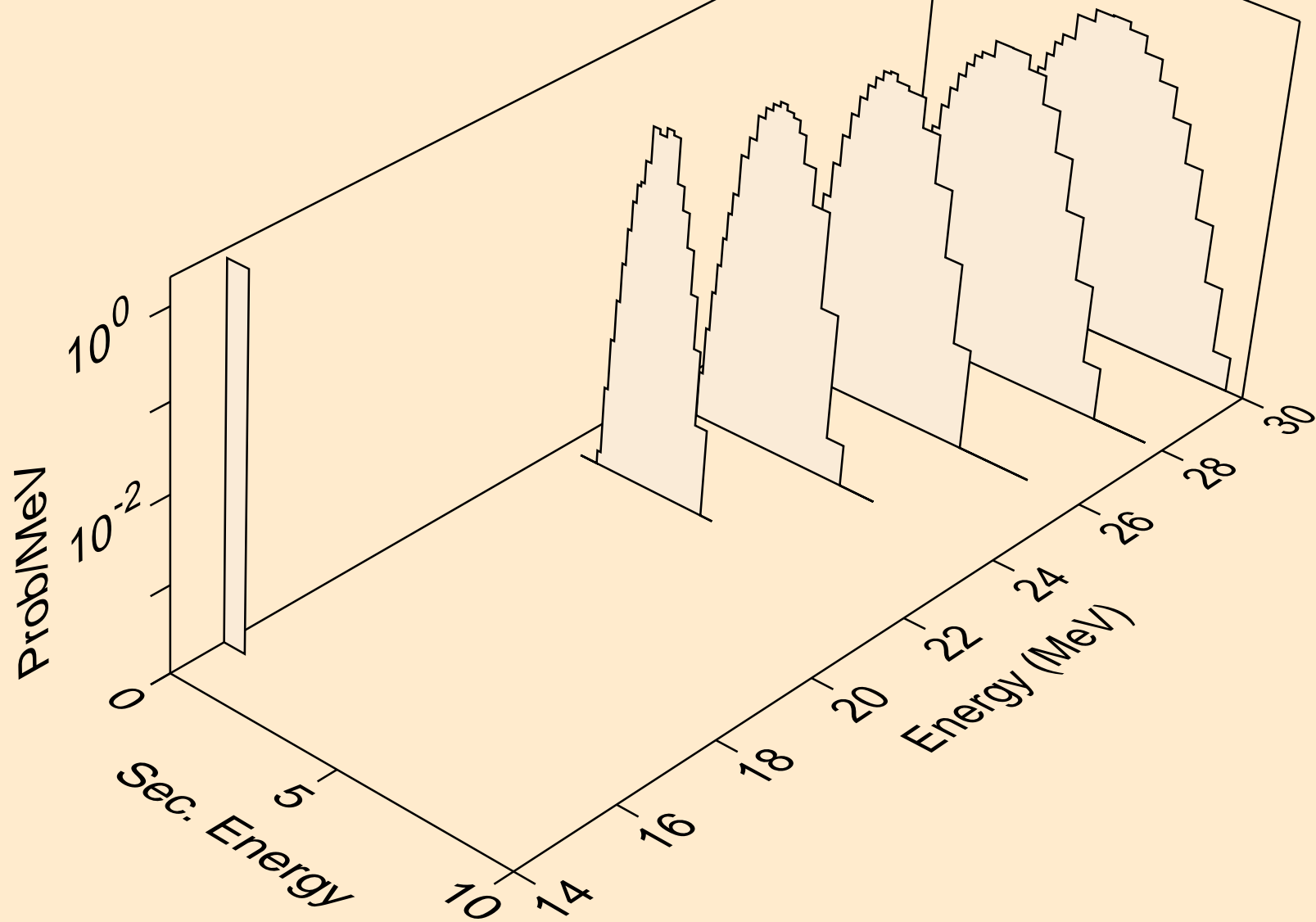
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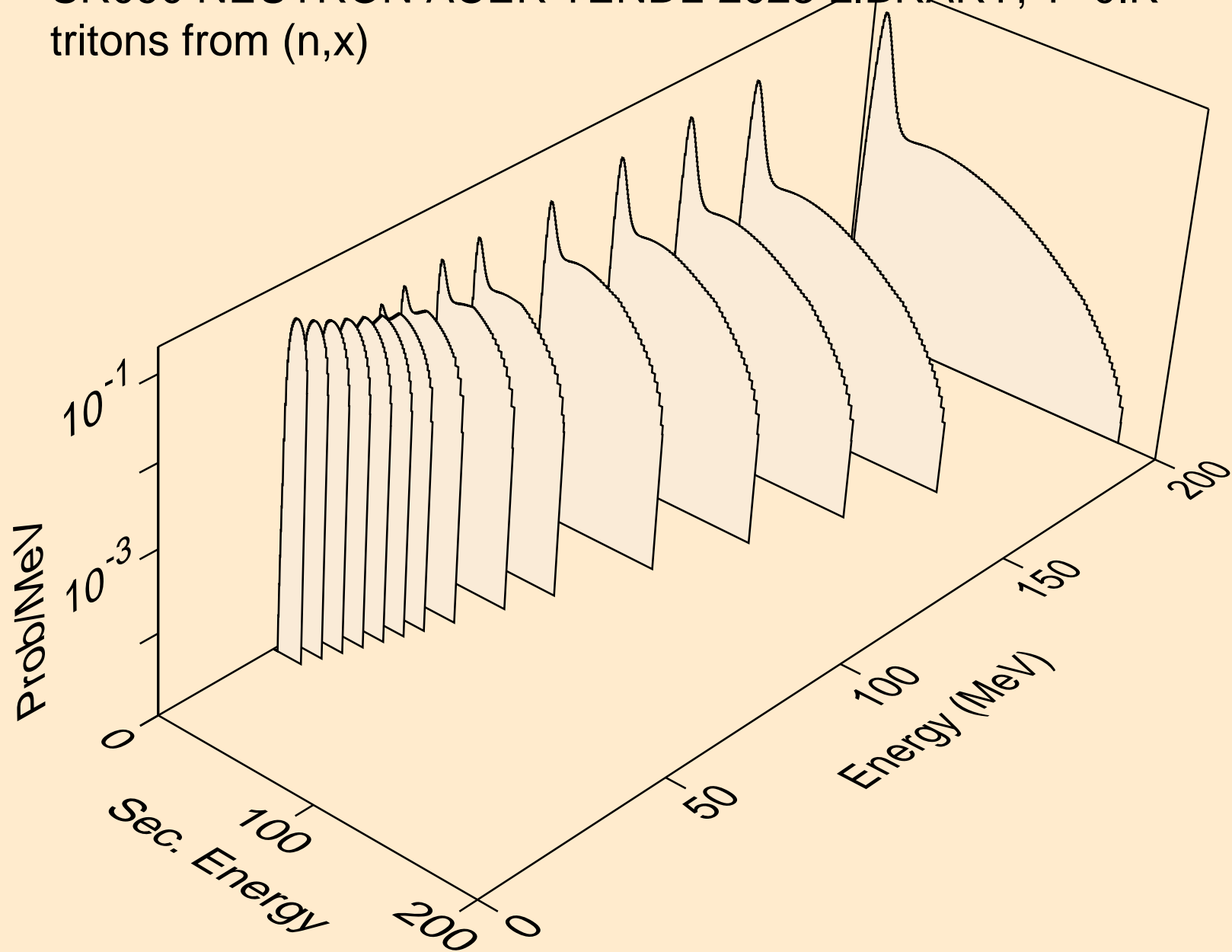
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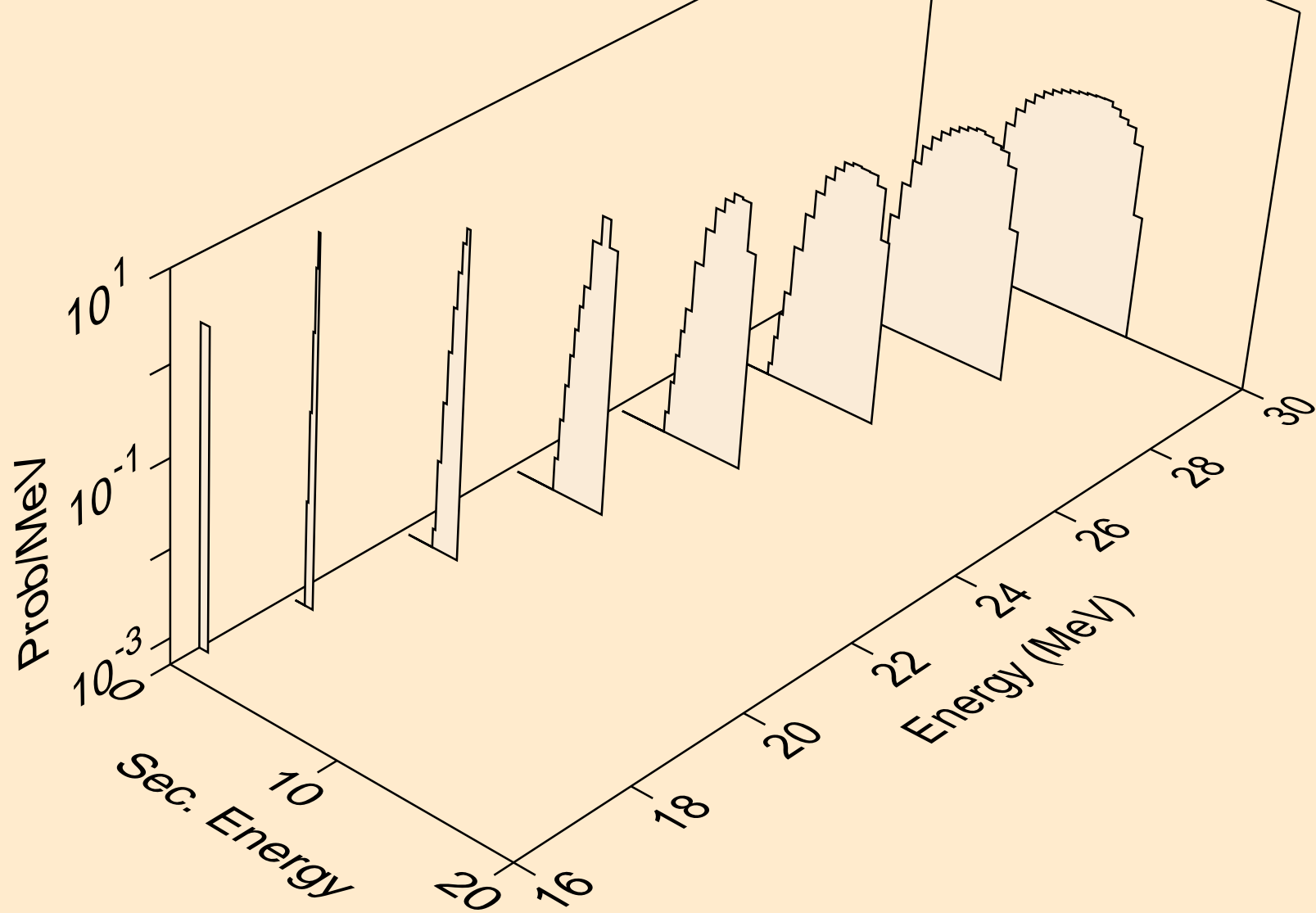
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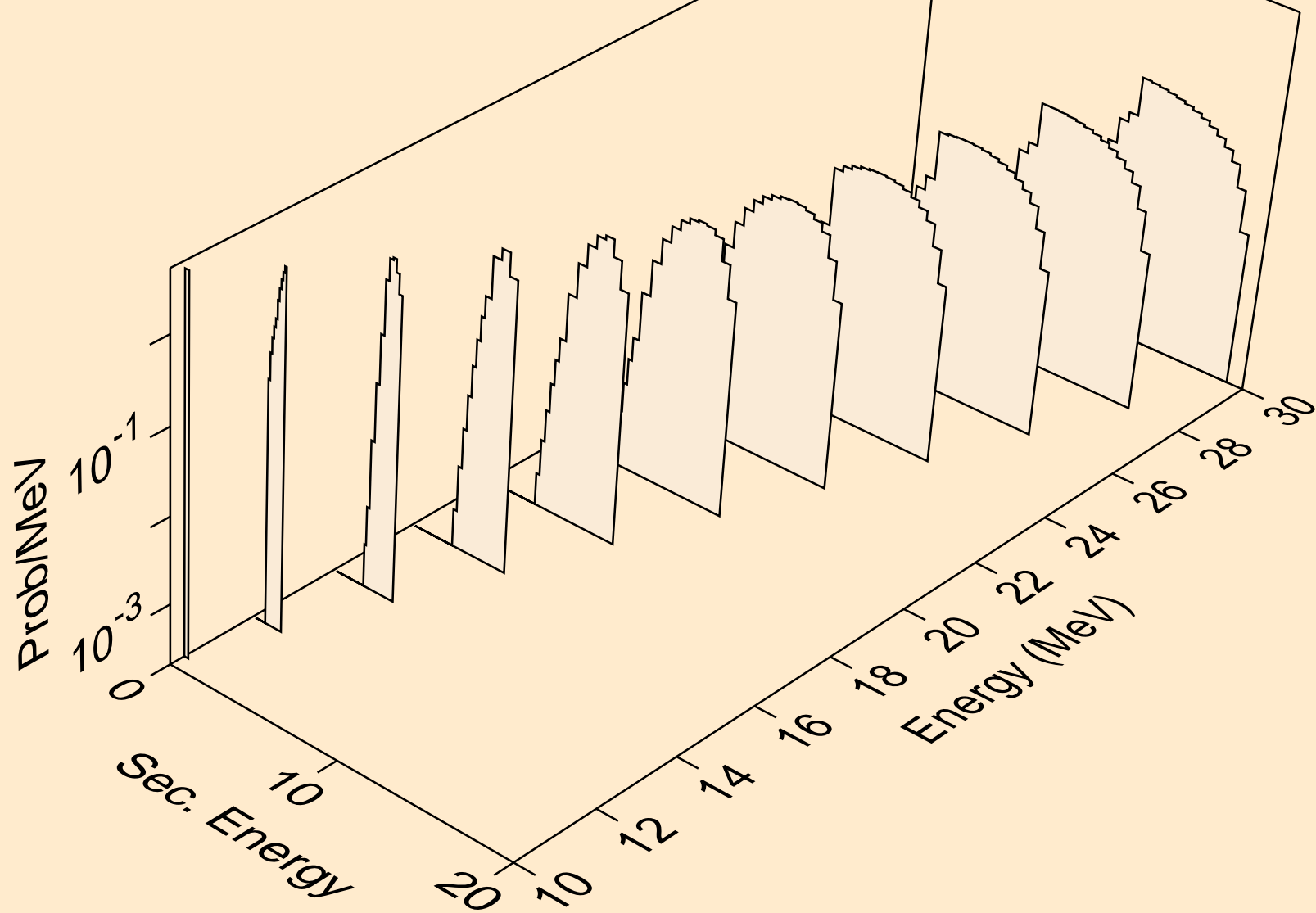
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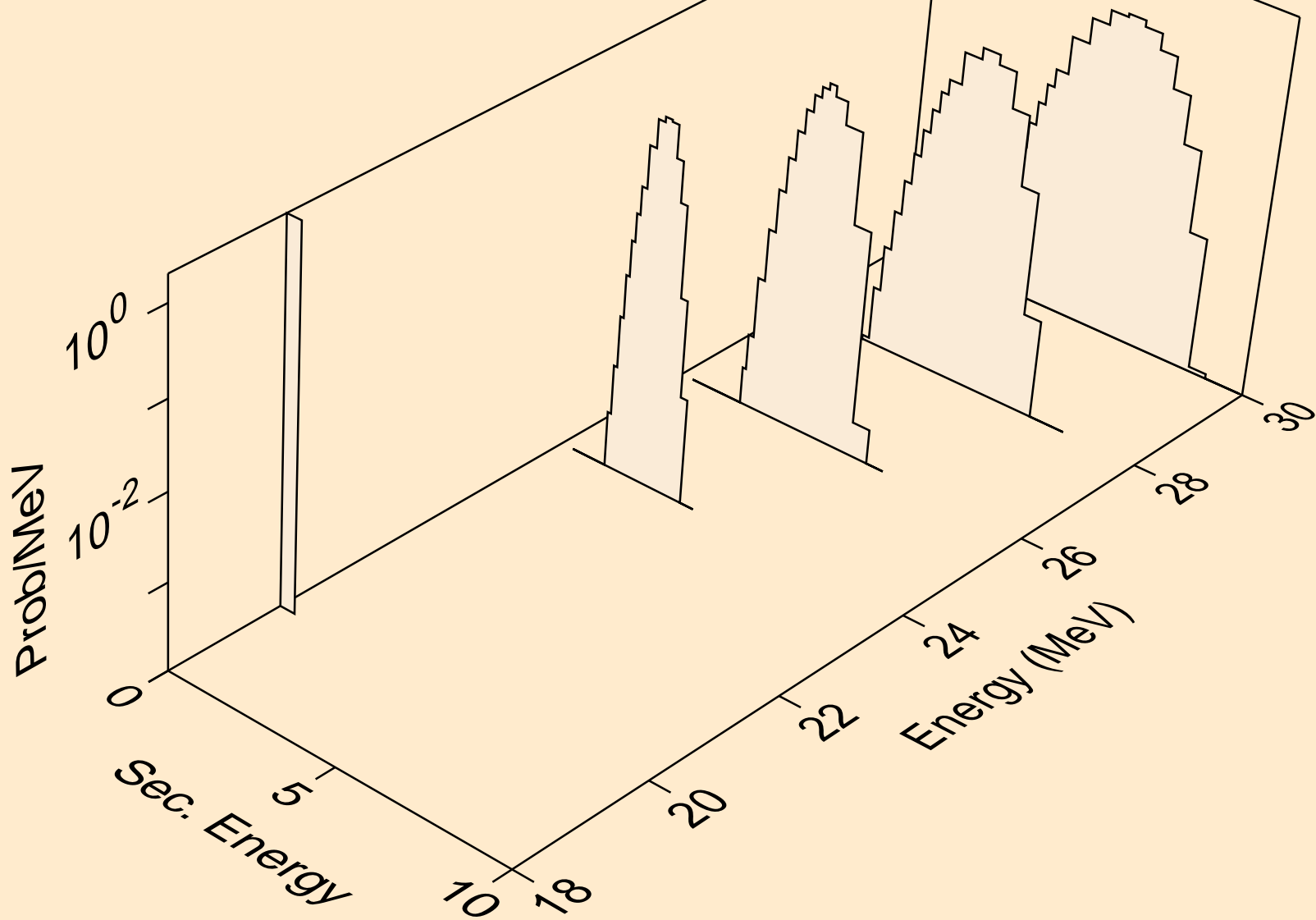
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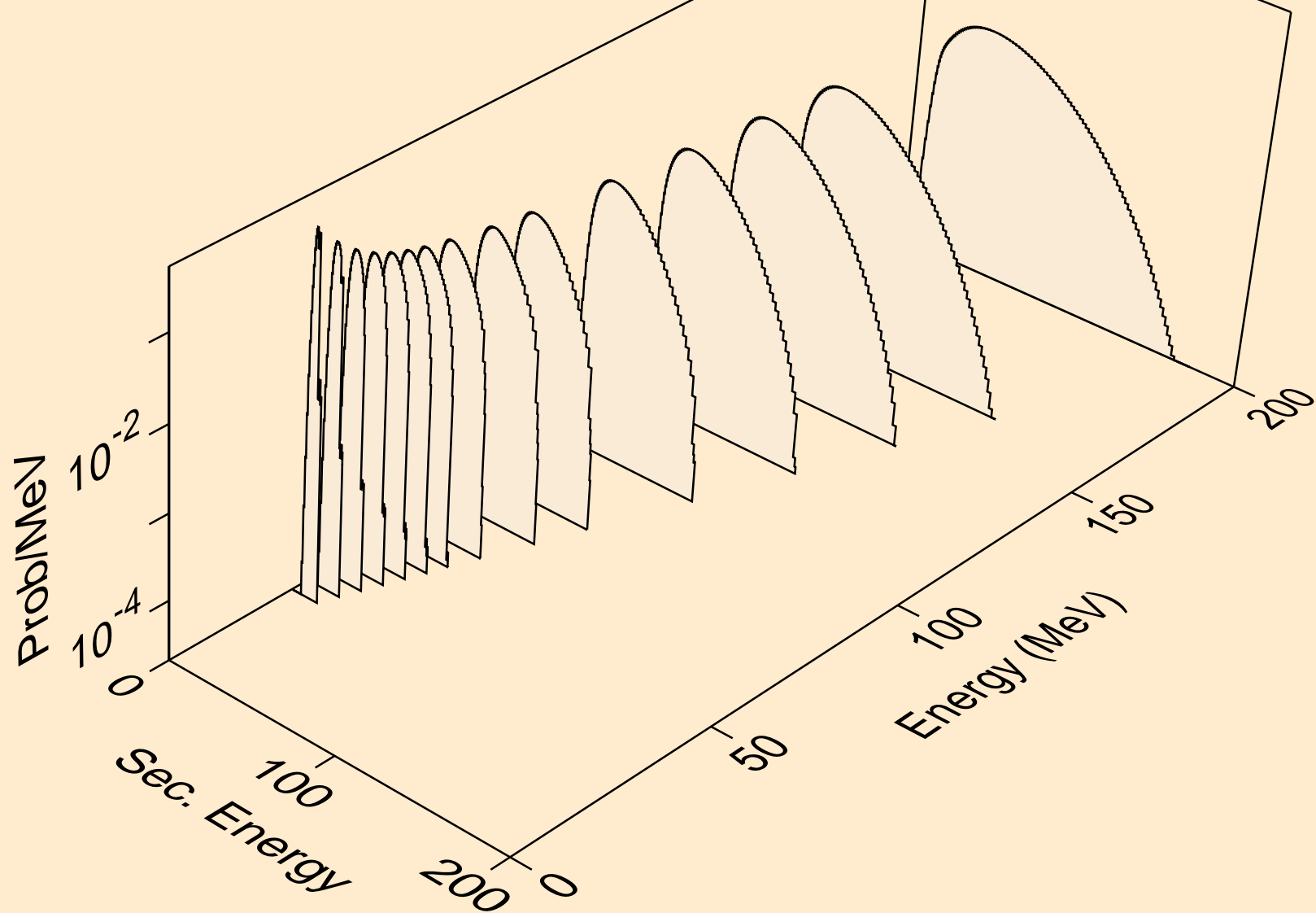
SR090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,t)



SR090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,pt)

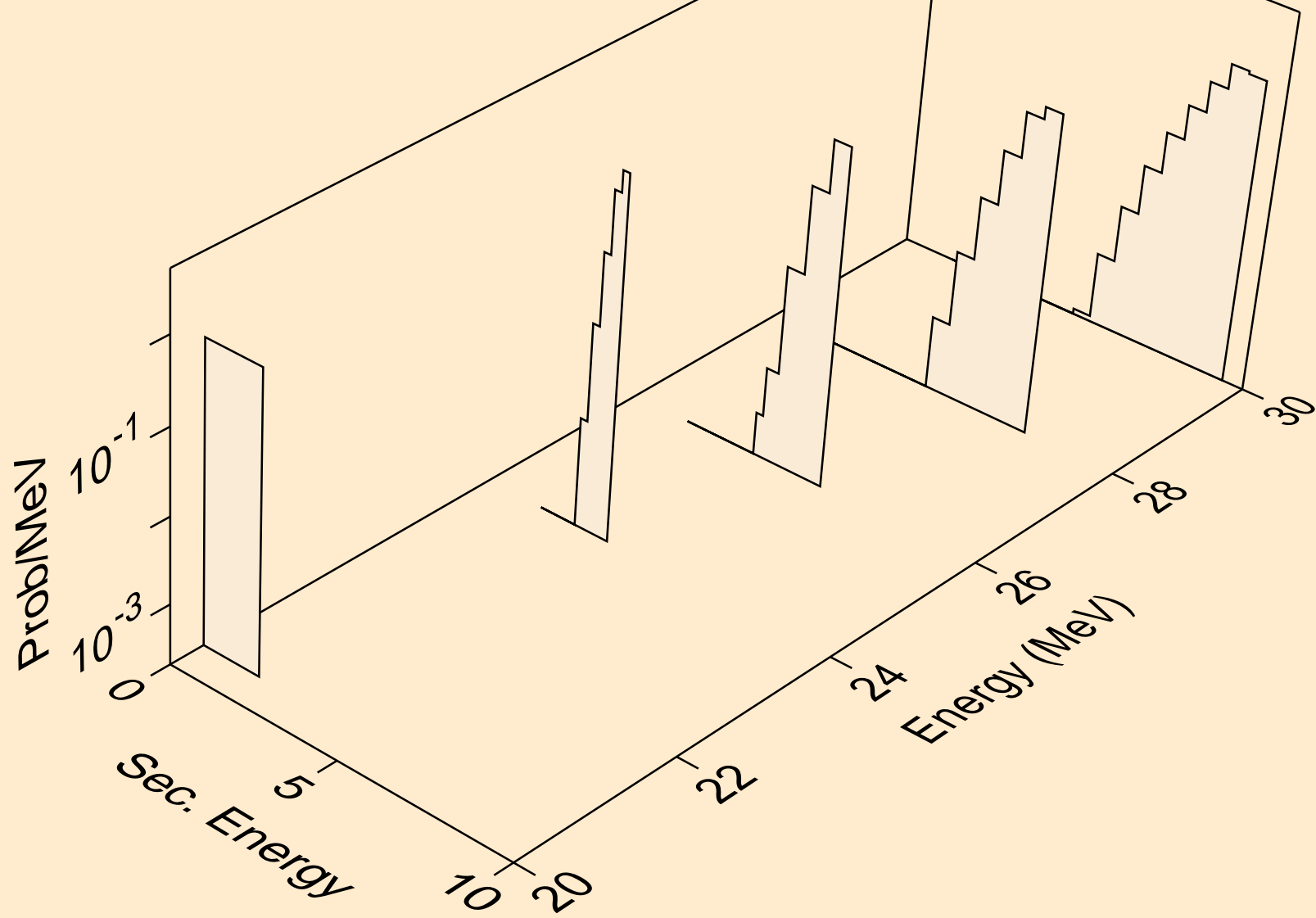


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he3s from (n,x)

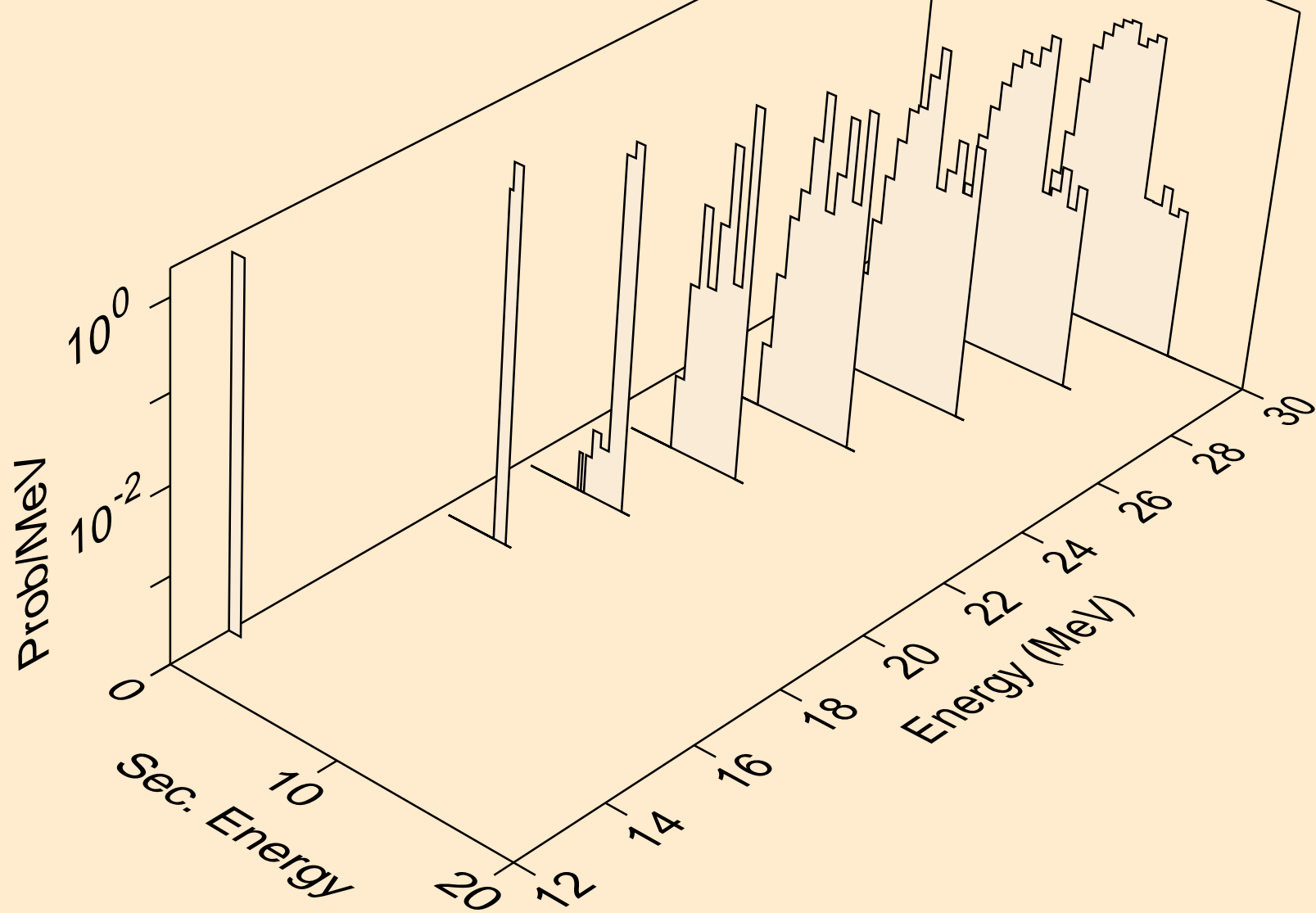




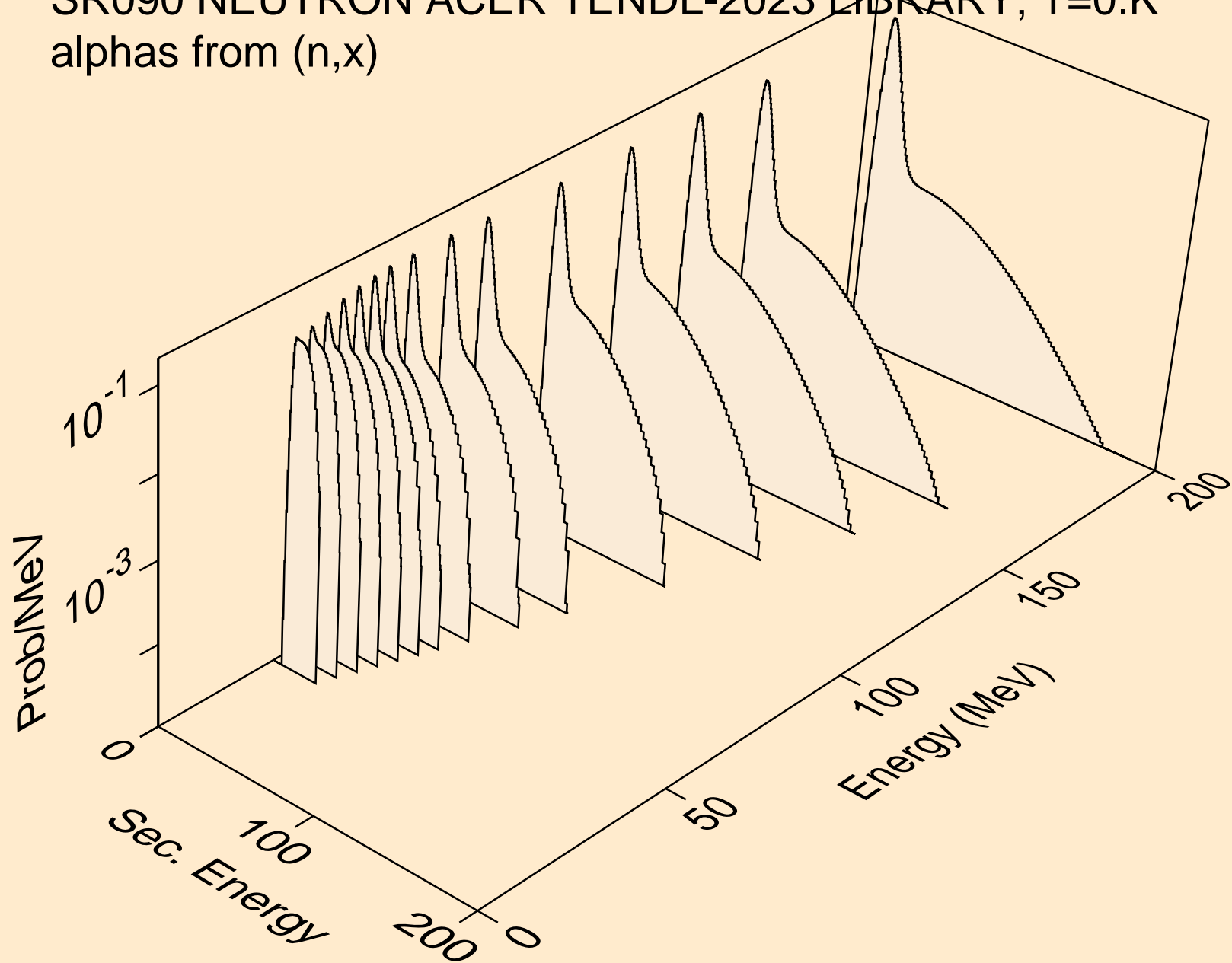
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he3s from (n,n\*)he3



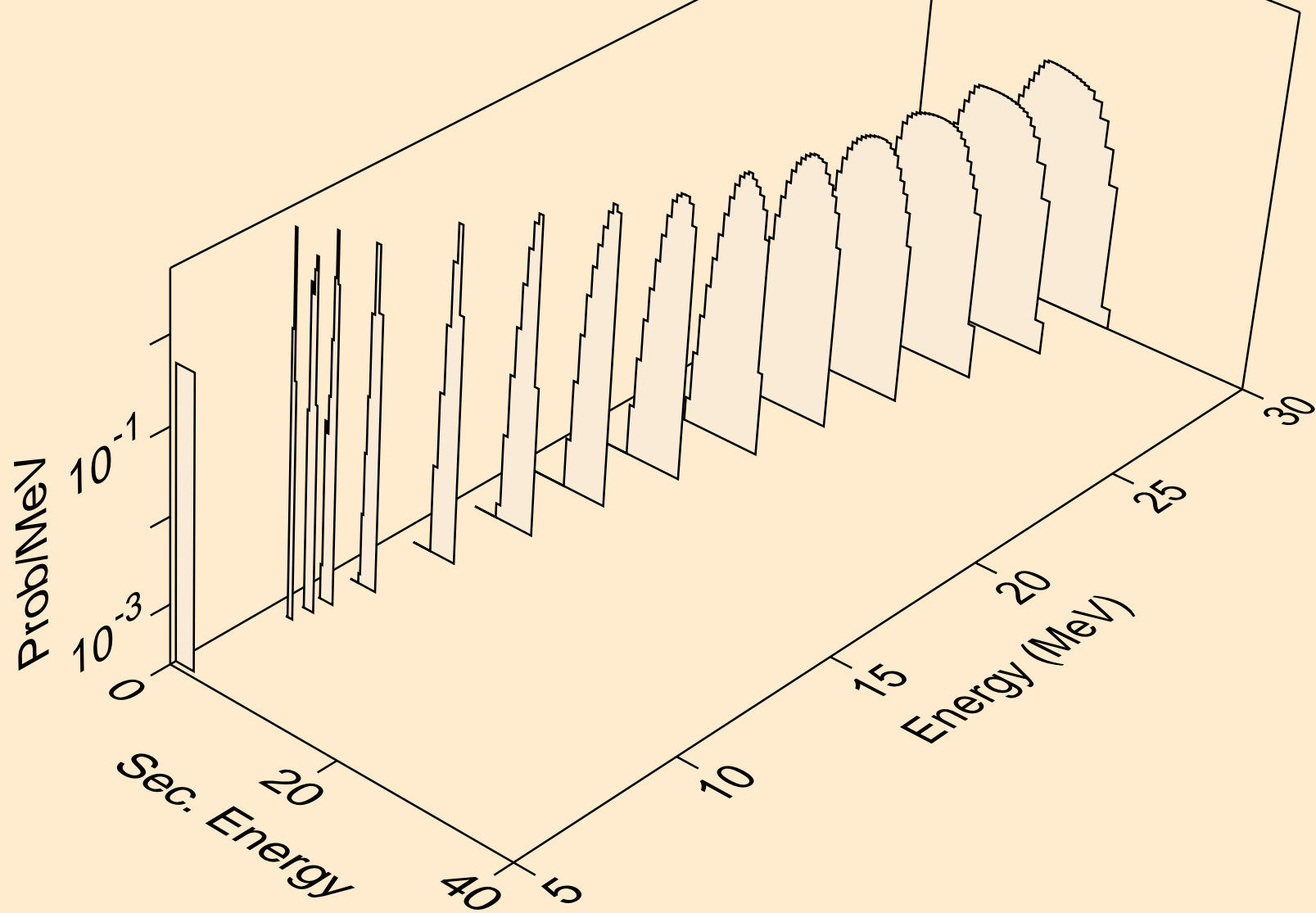
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he3s from (n,he3)



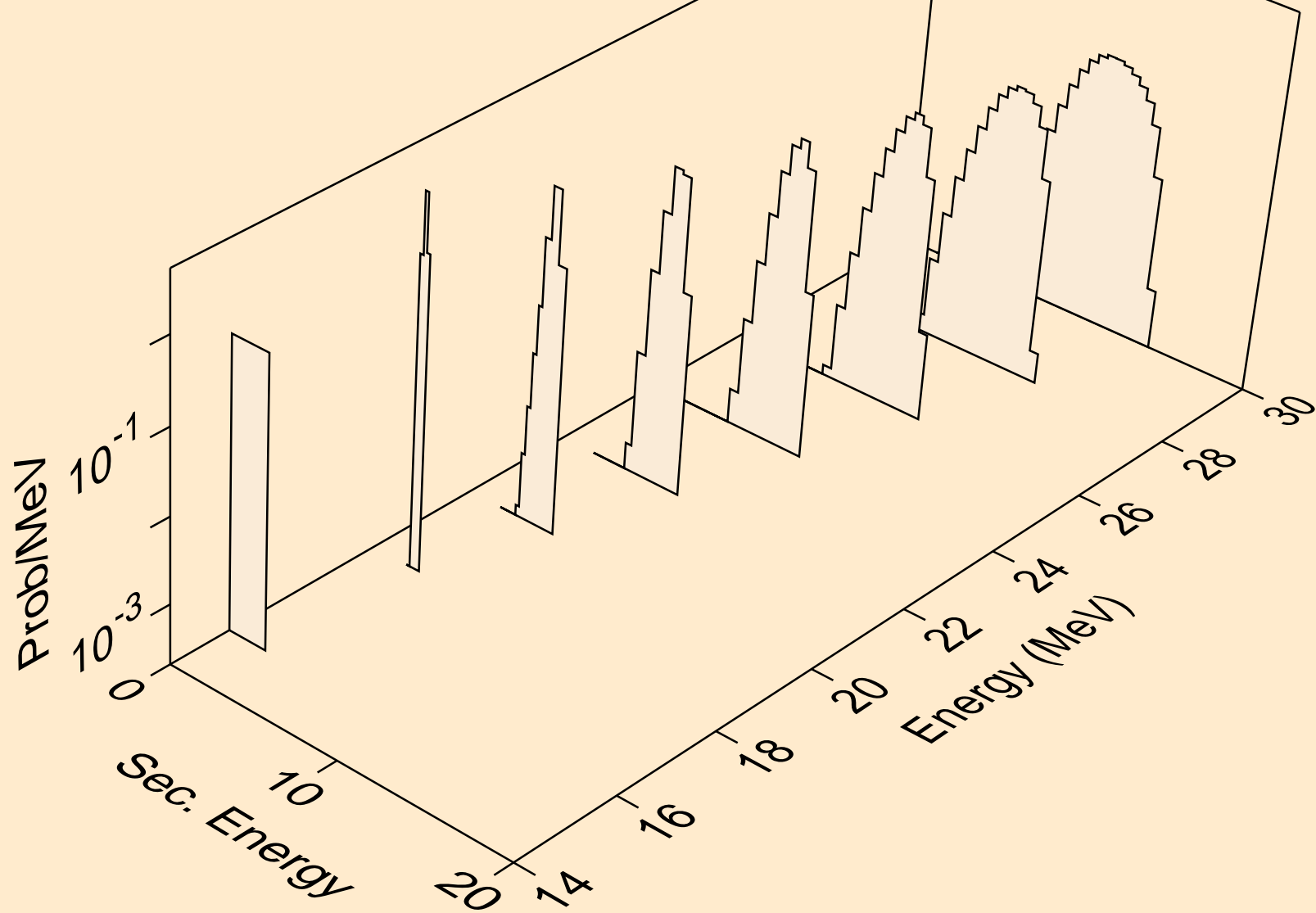
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alphas from (n,x)



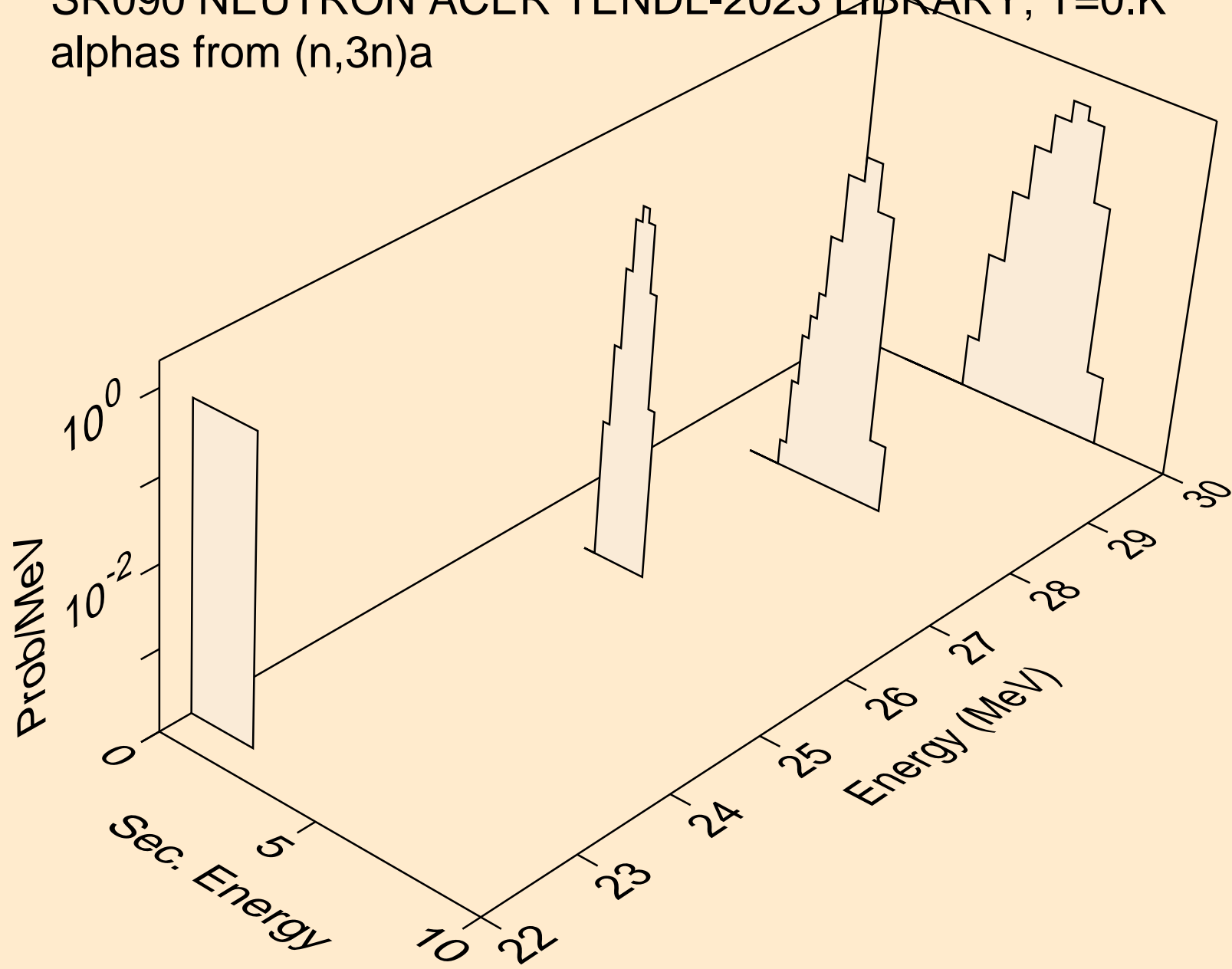
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alphas from (n,n\*)a



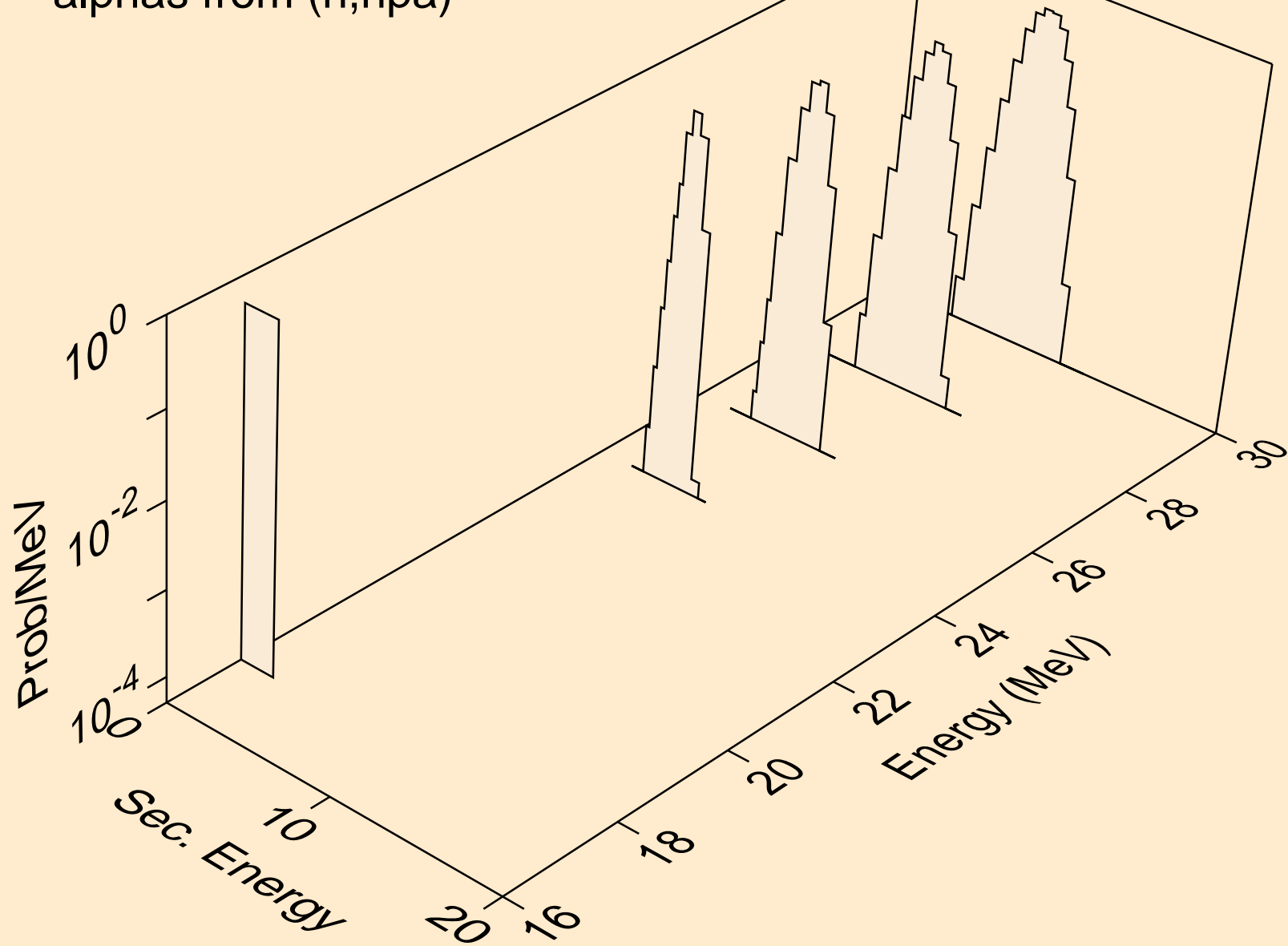
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alphas from (n,2n)a



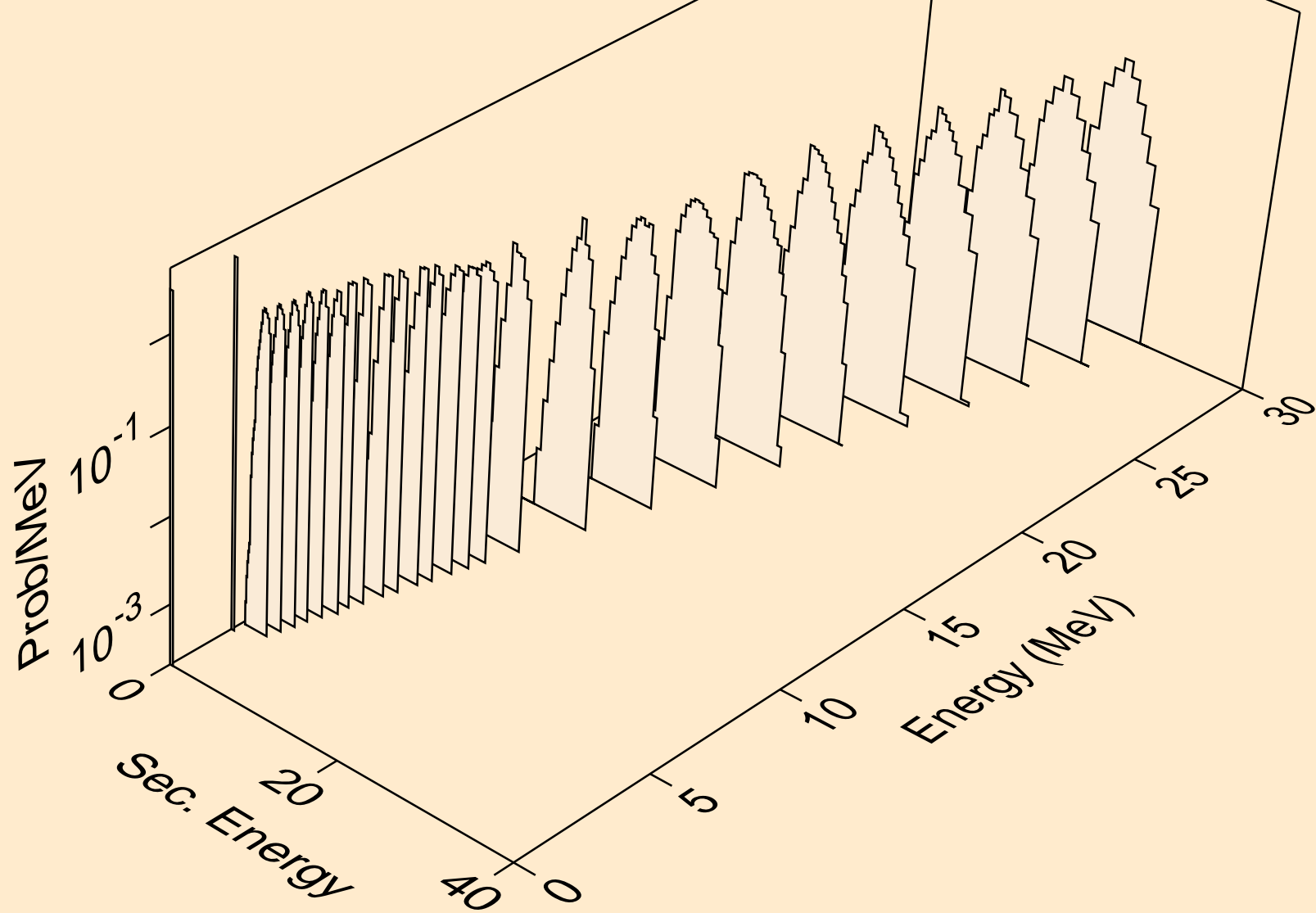
SR090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,3n)a



SR090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,npa)

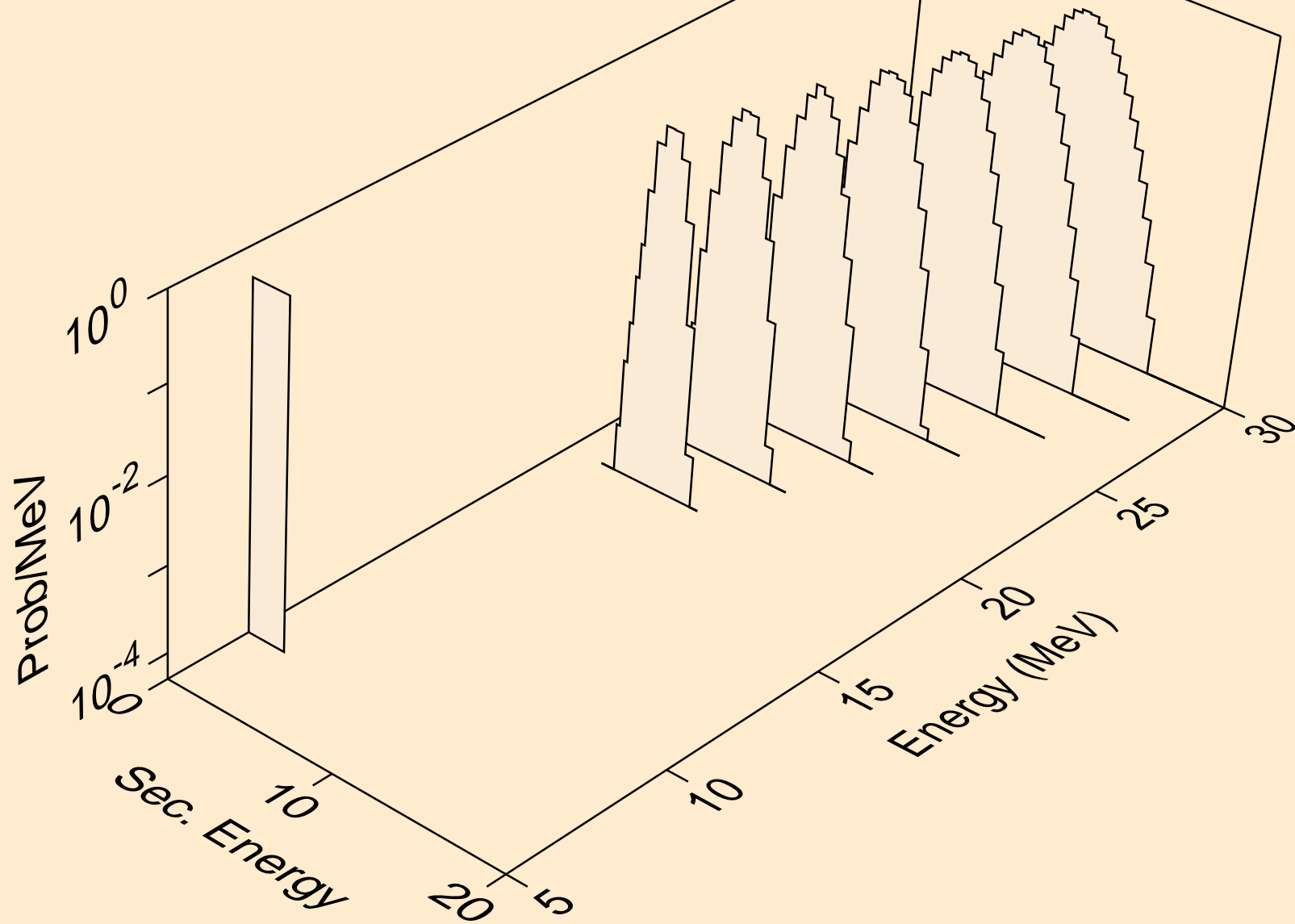


SR090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,a)

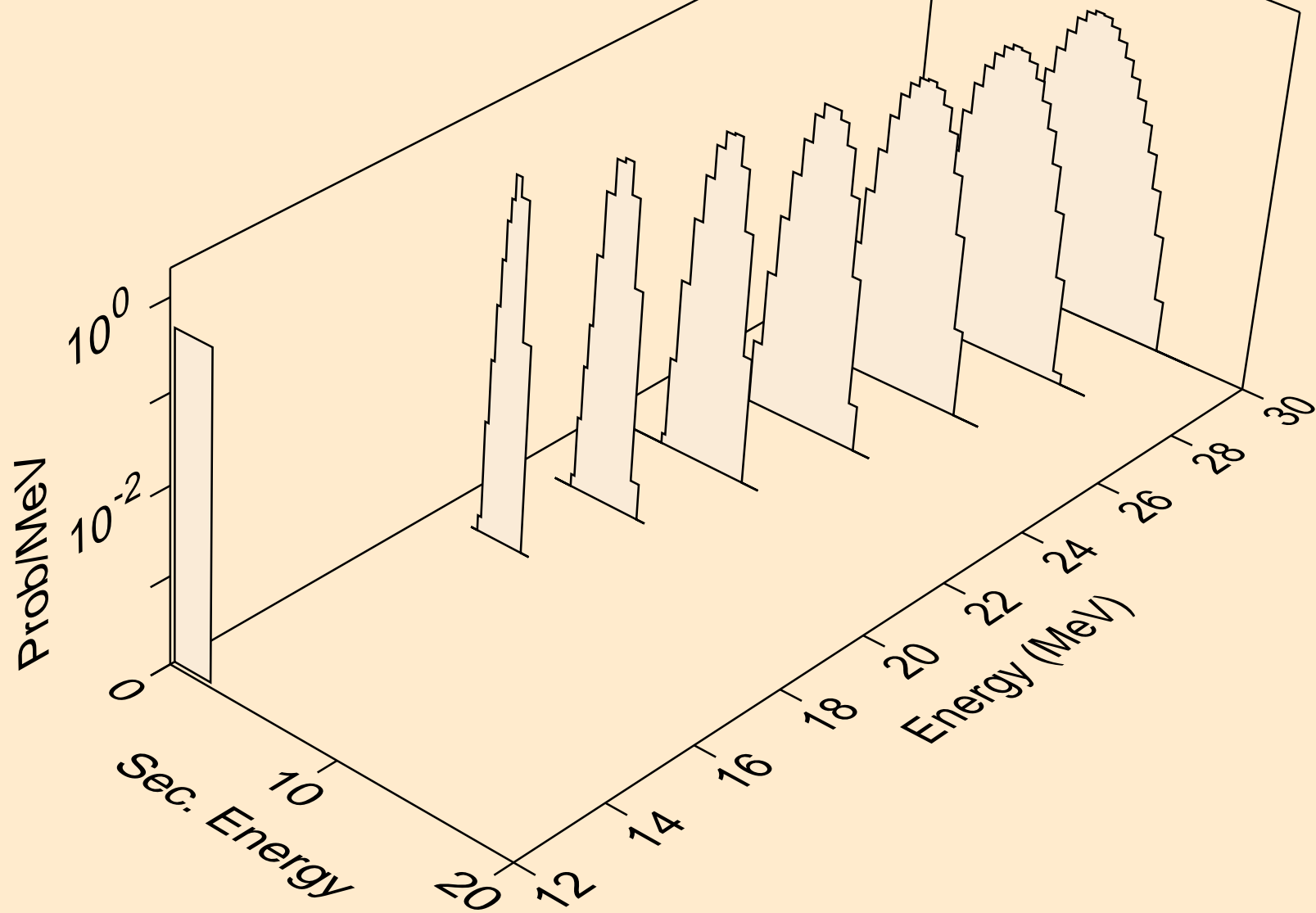




SR090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2a)



SR090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,pa)



SR090 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,da)

