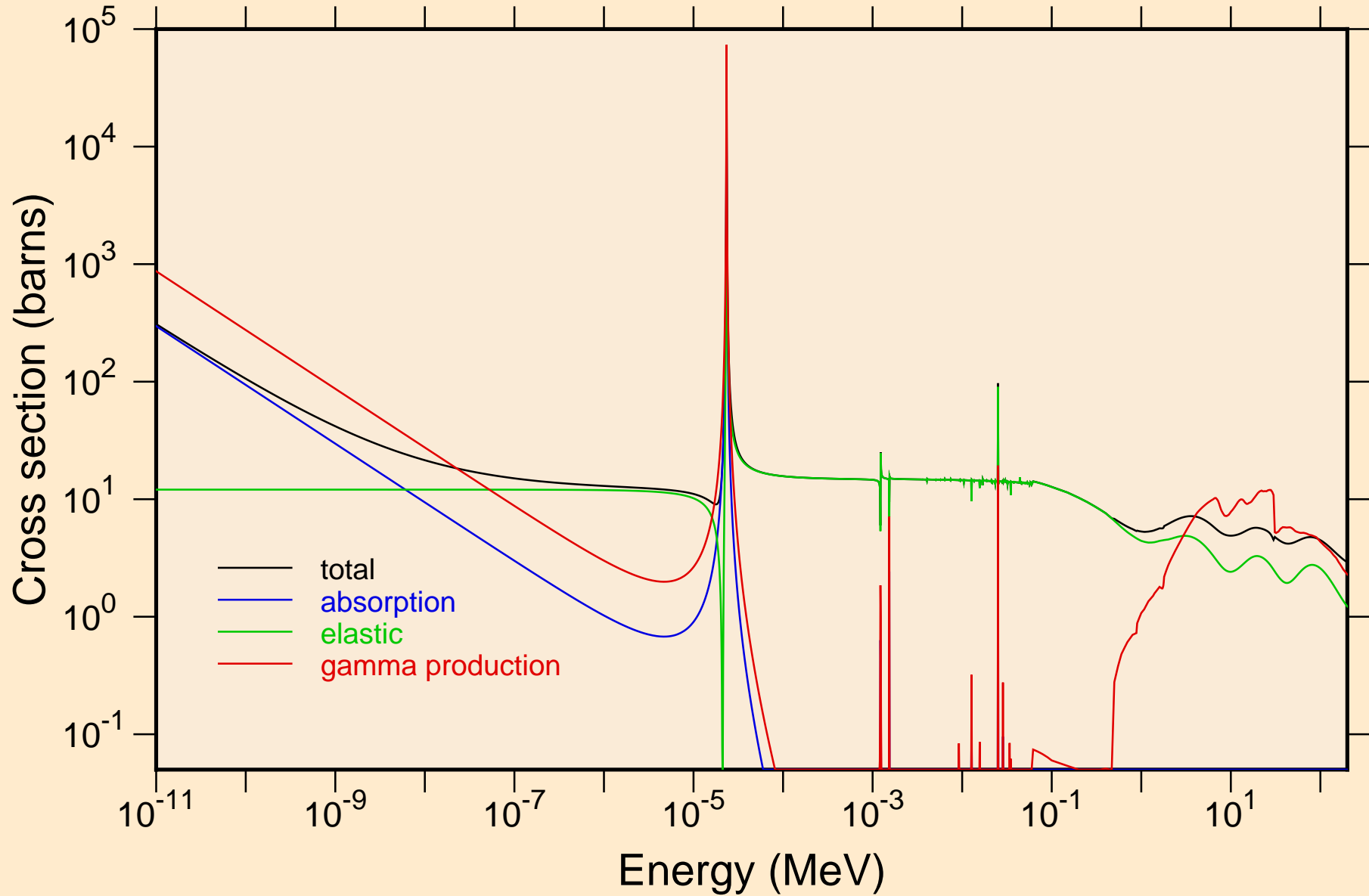
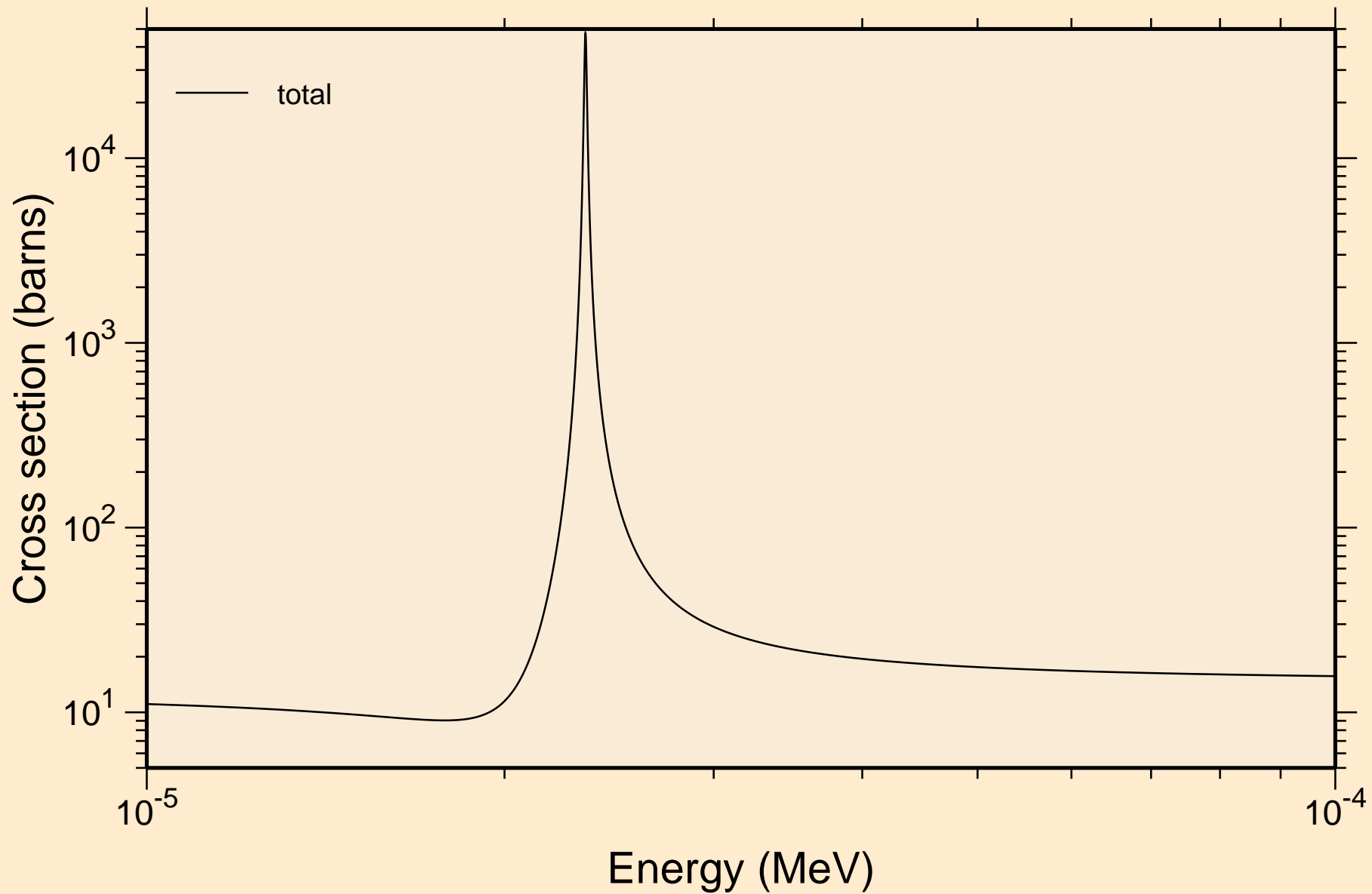


# OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

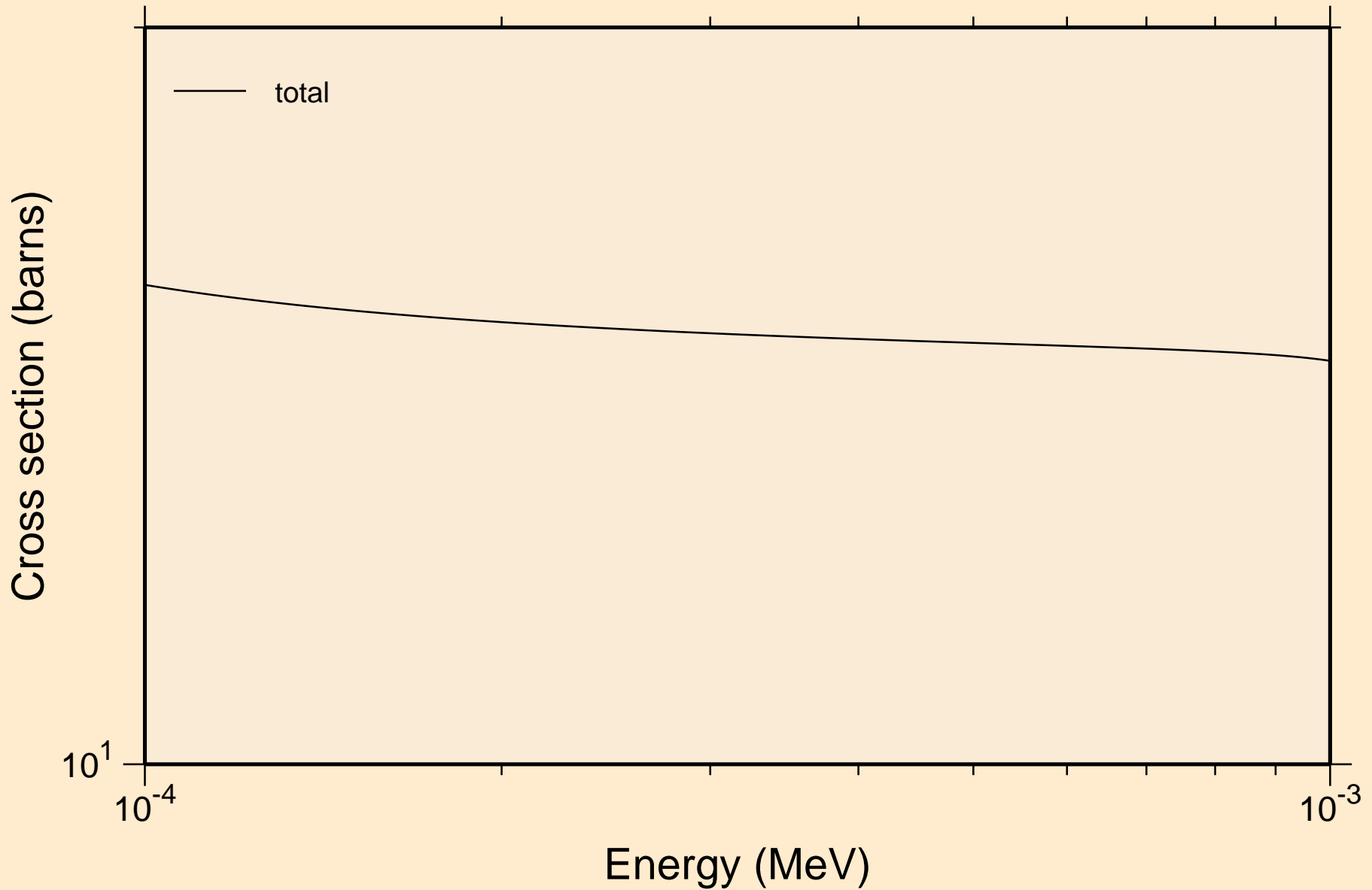
## Principal cross sections



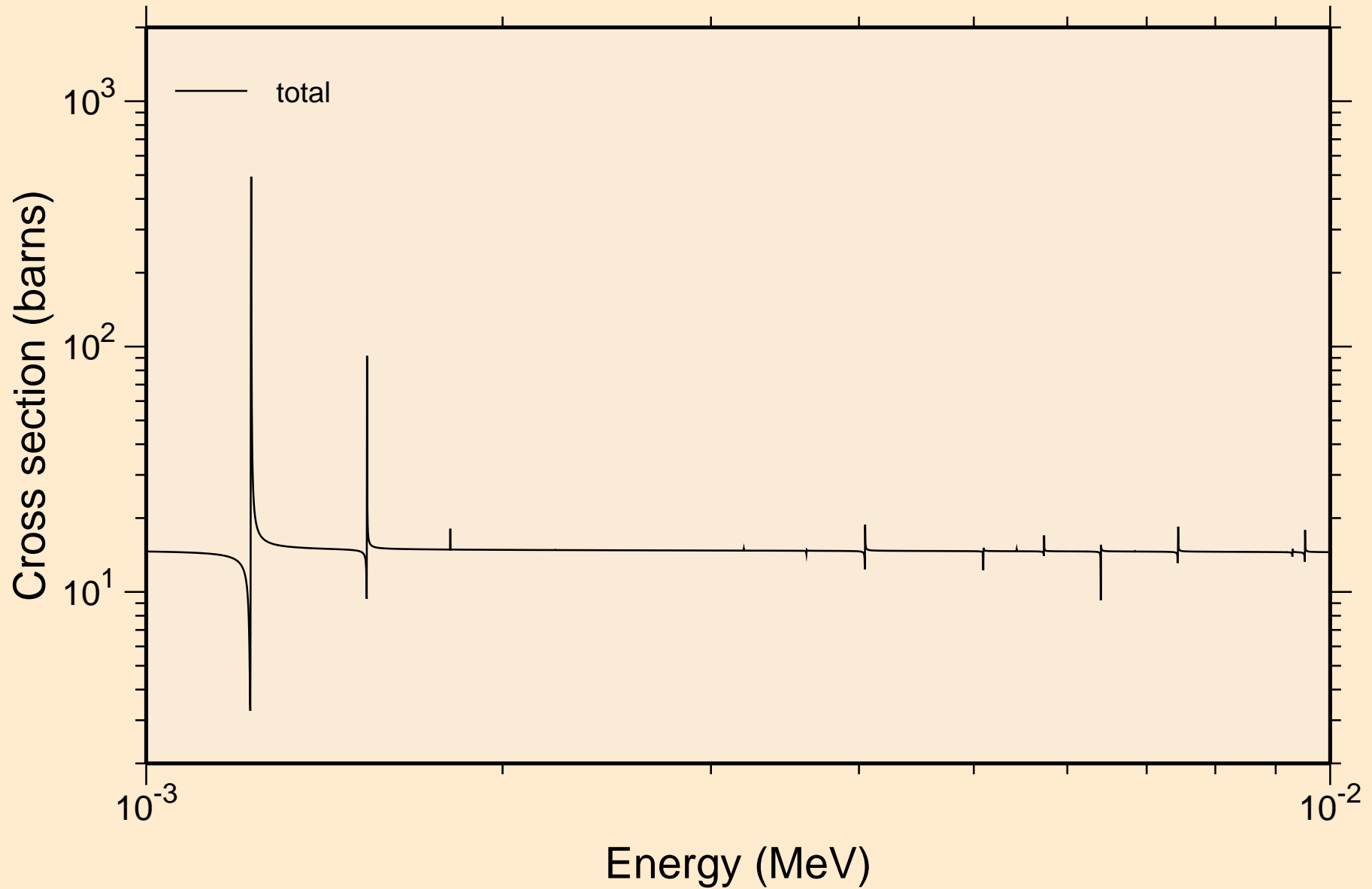
OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



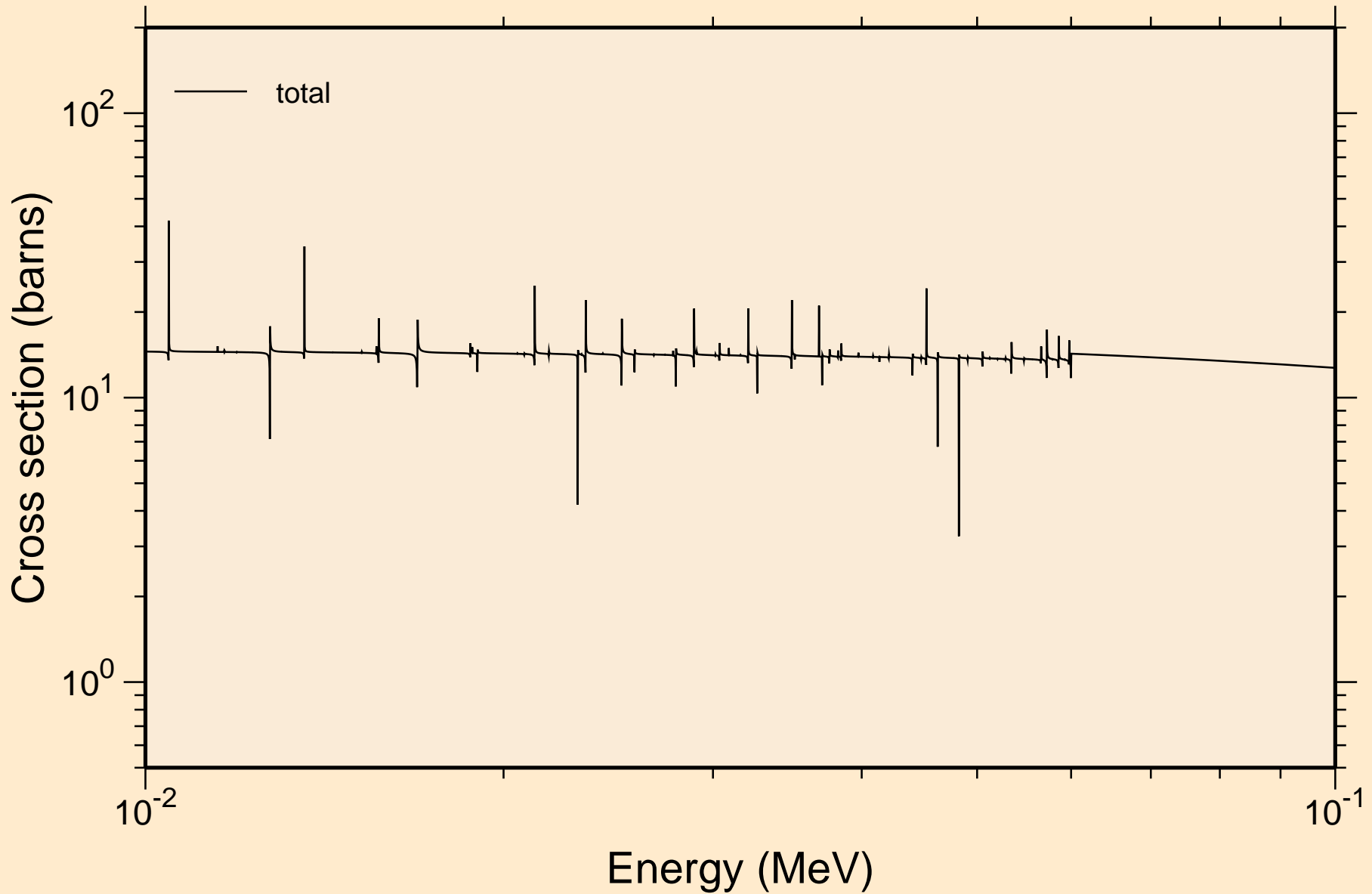
OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



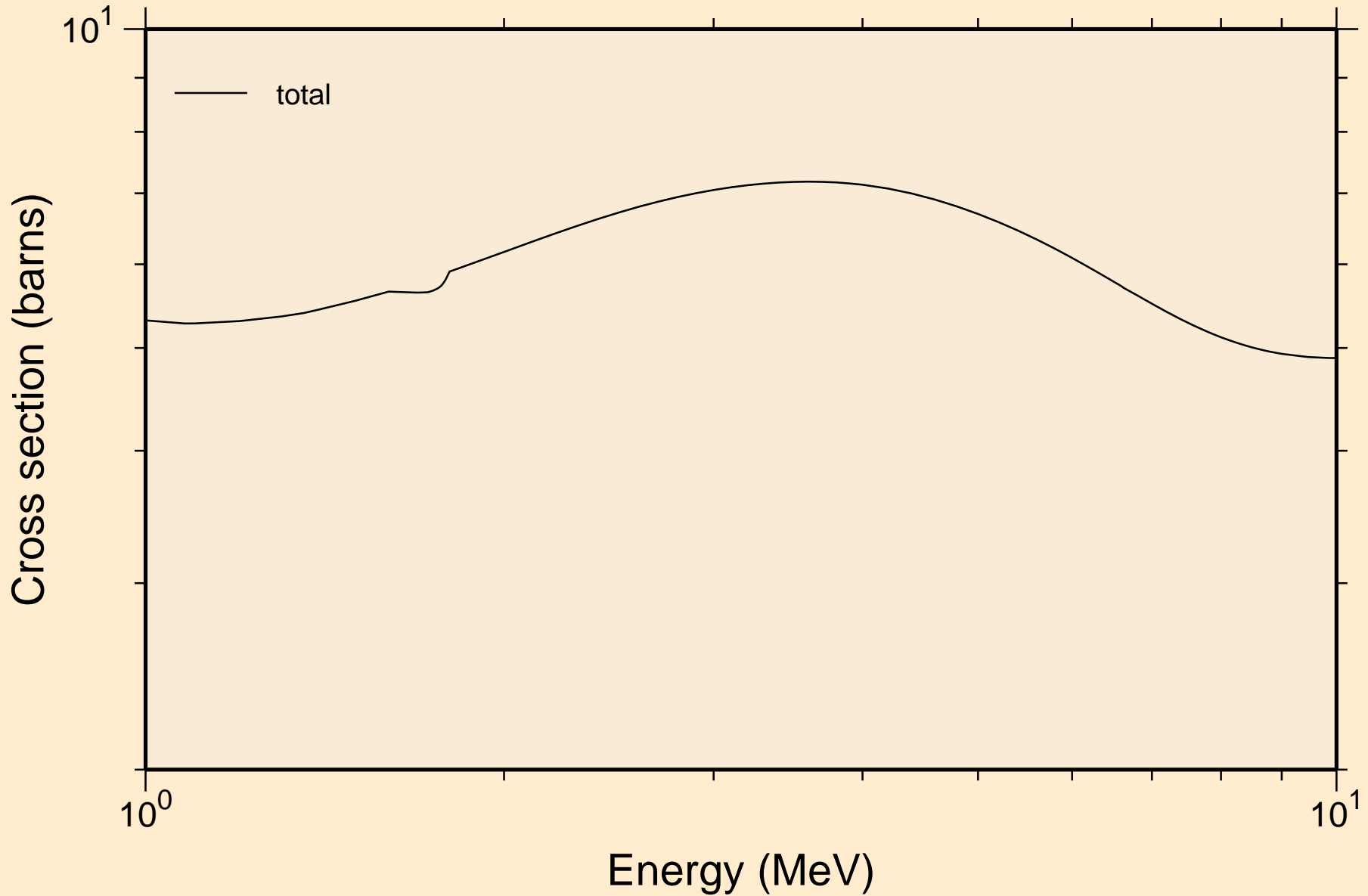
OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



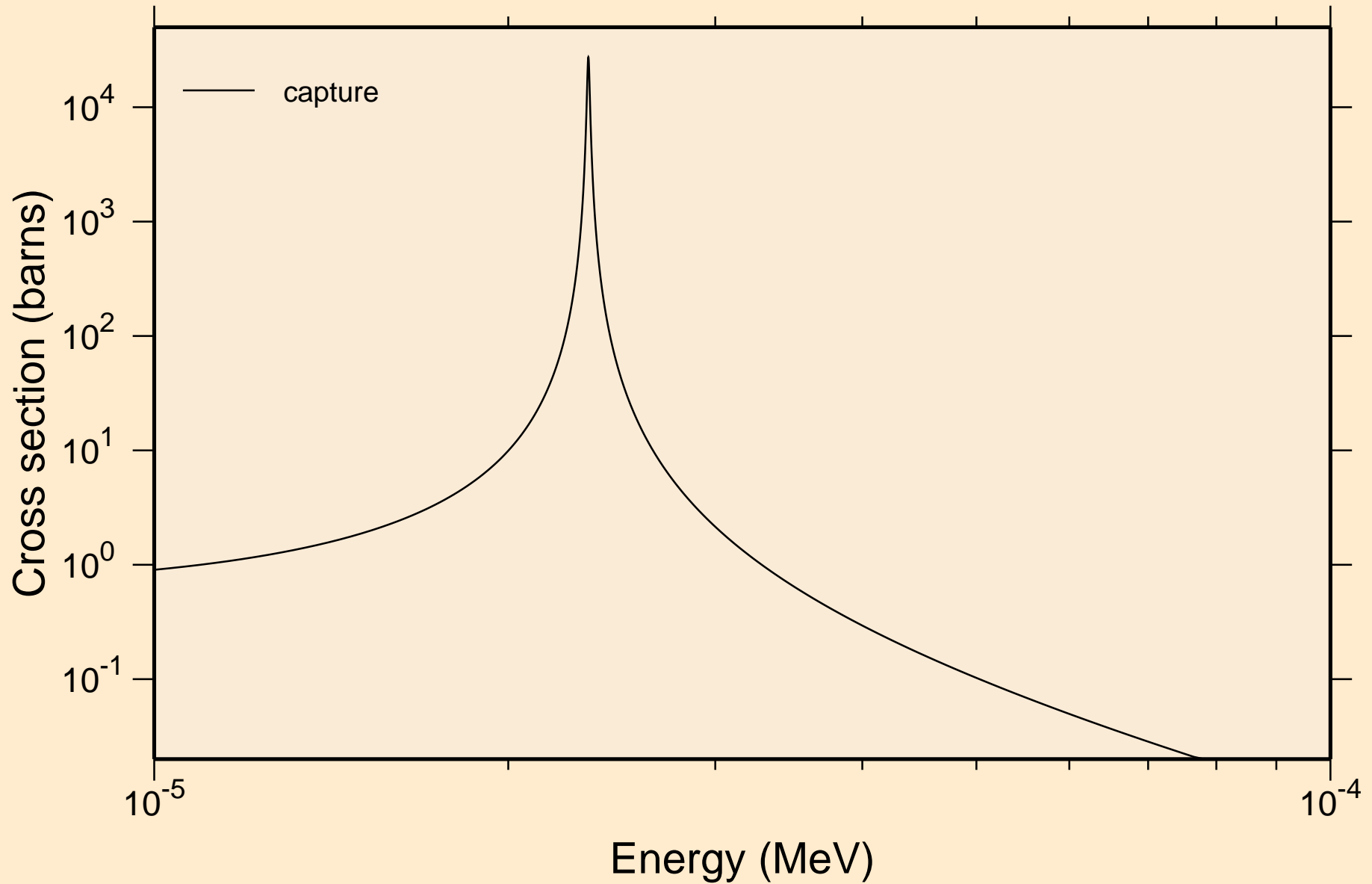
OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



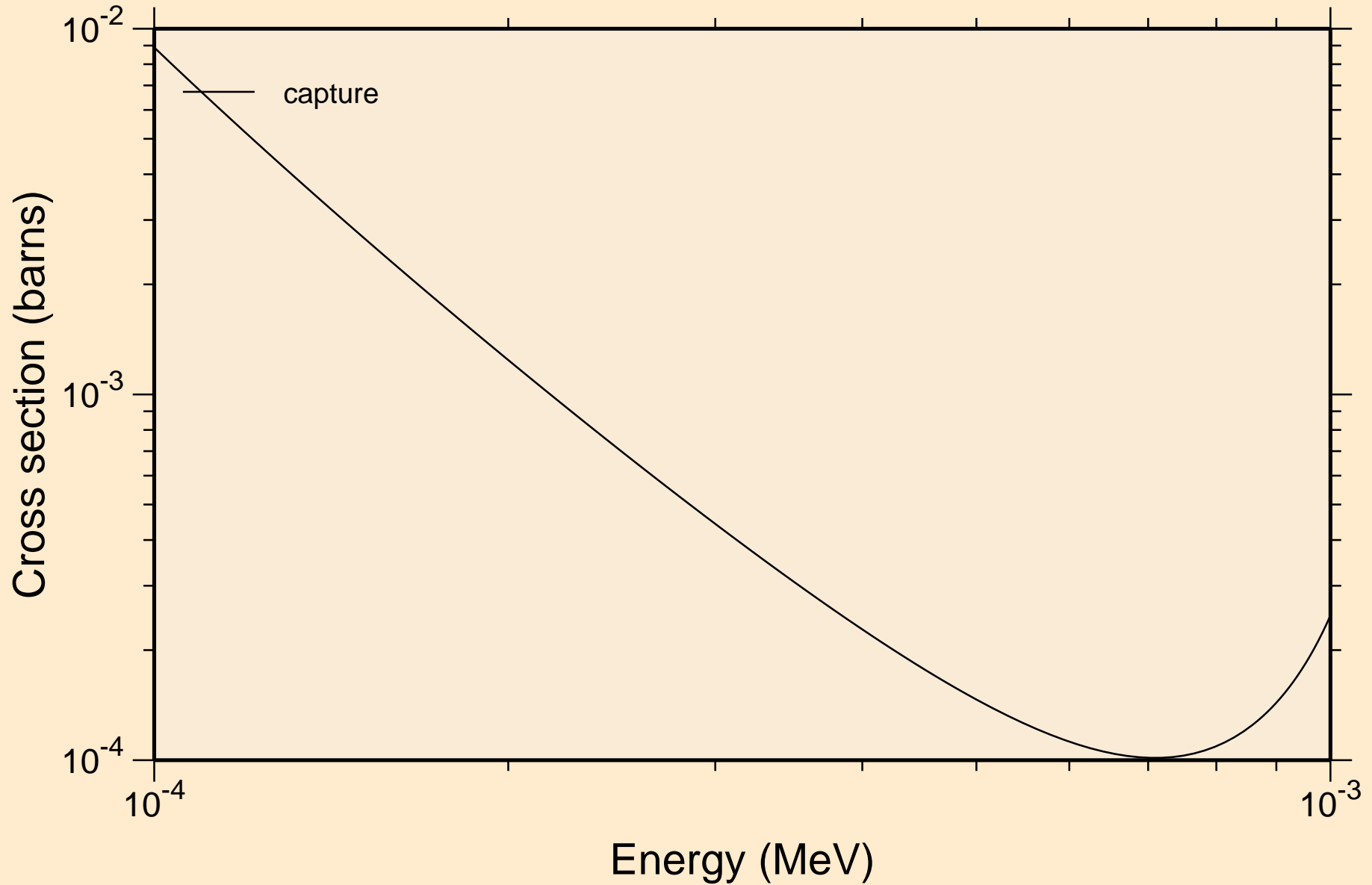
OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

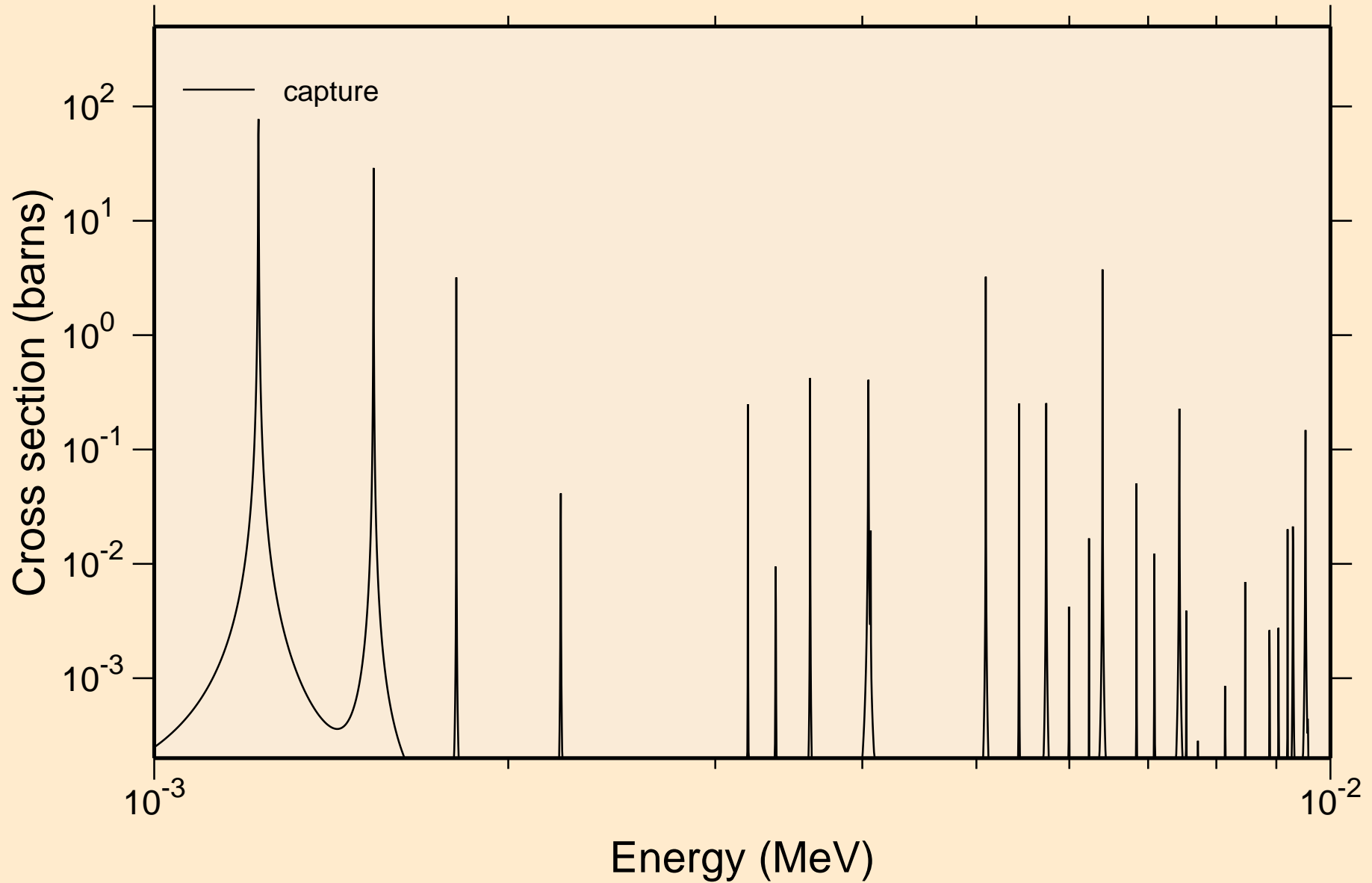


OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

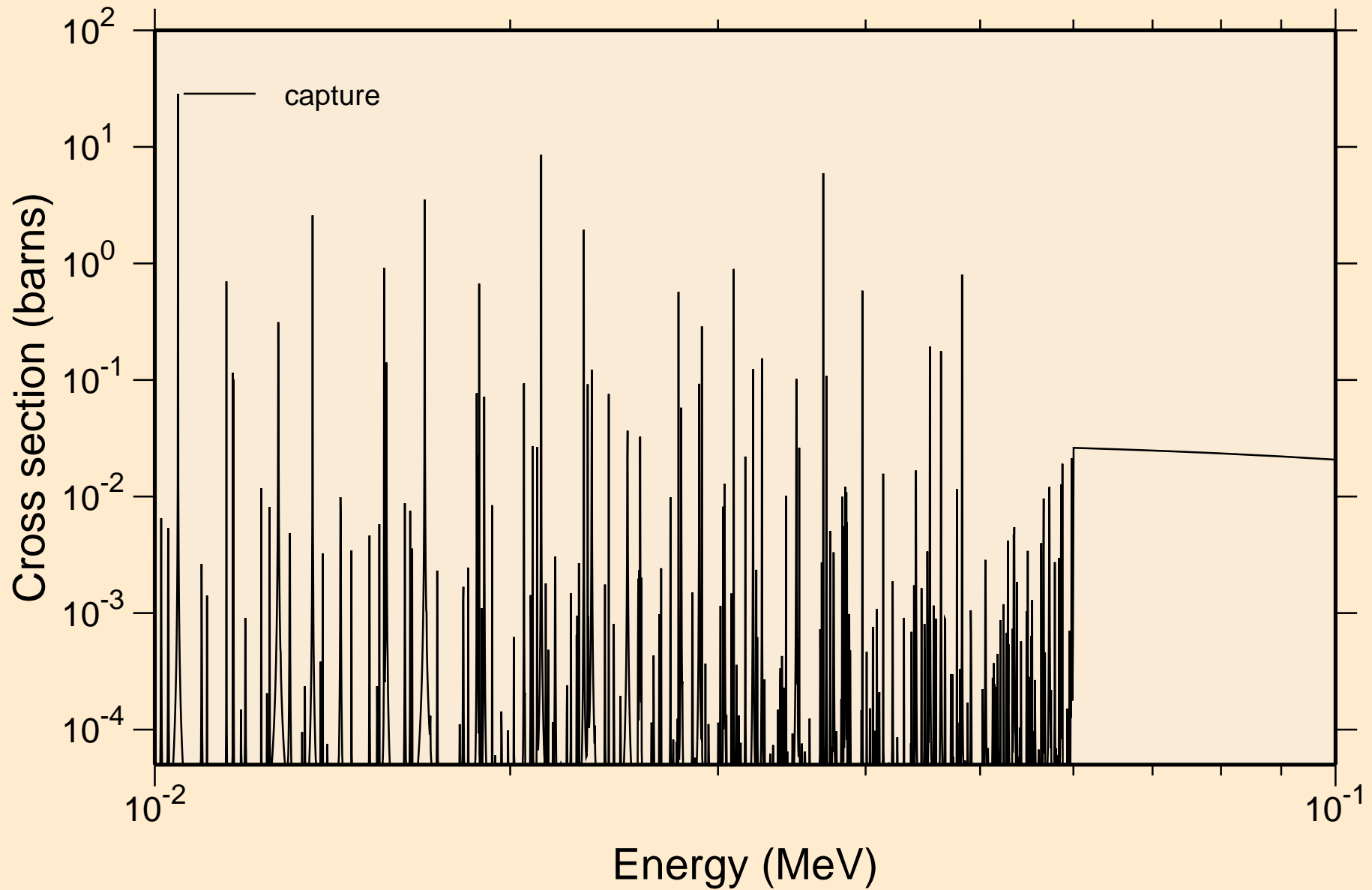




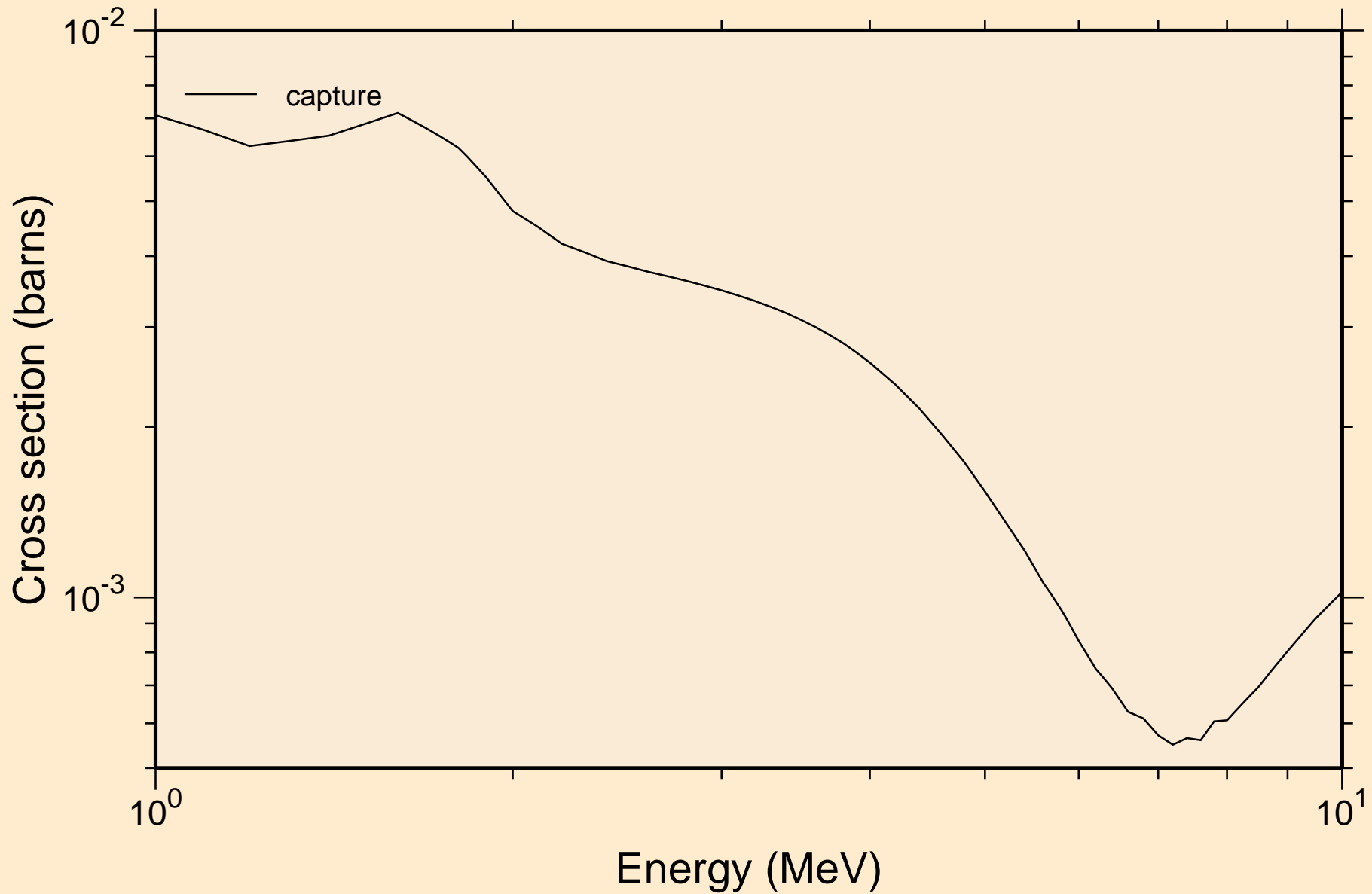
OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



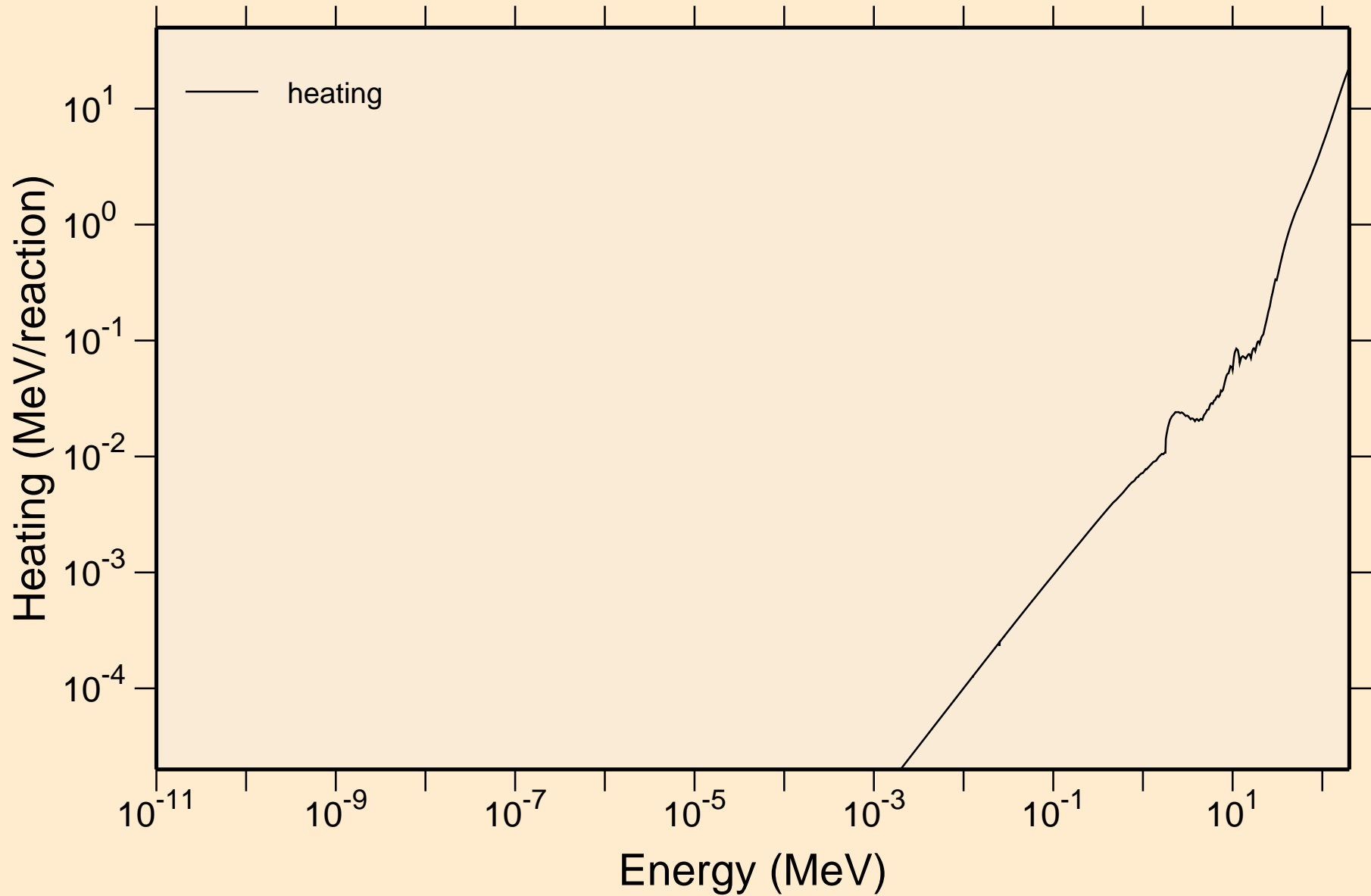
OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

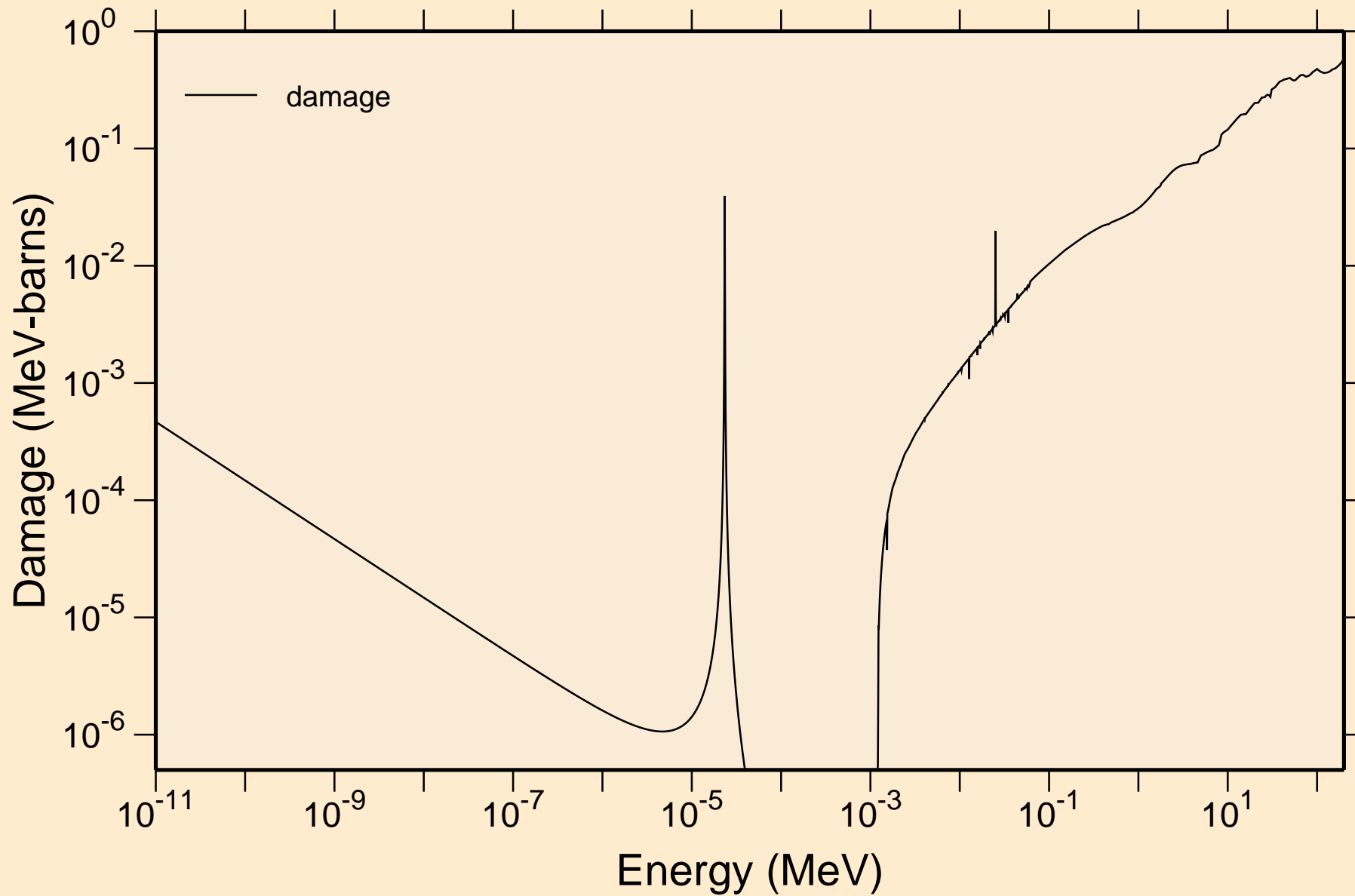


OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Heating



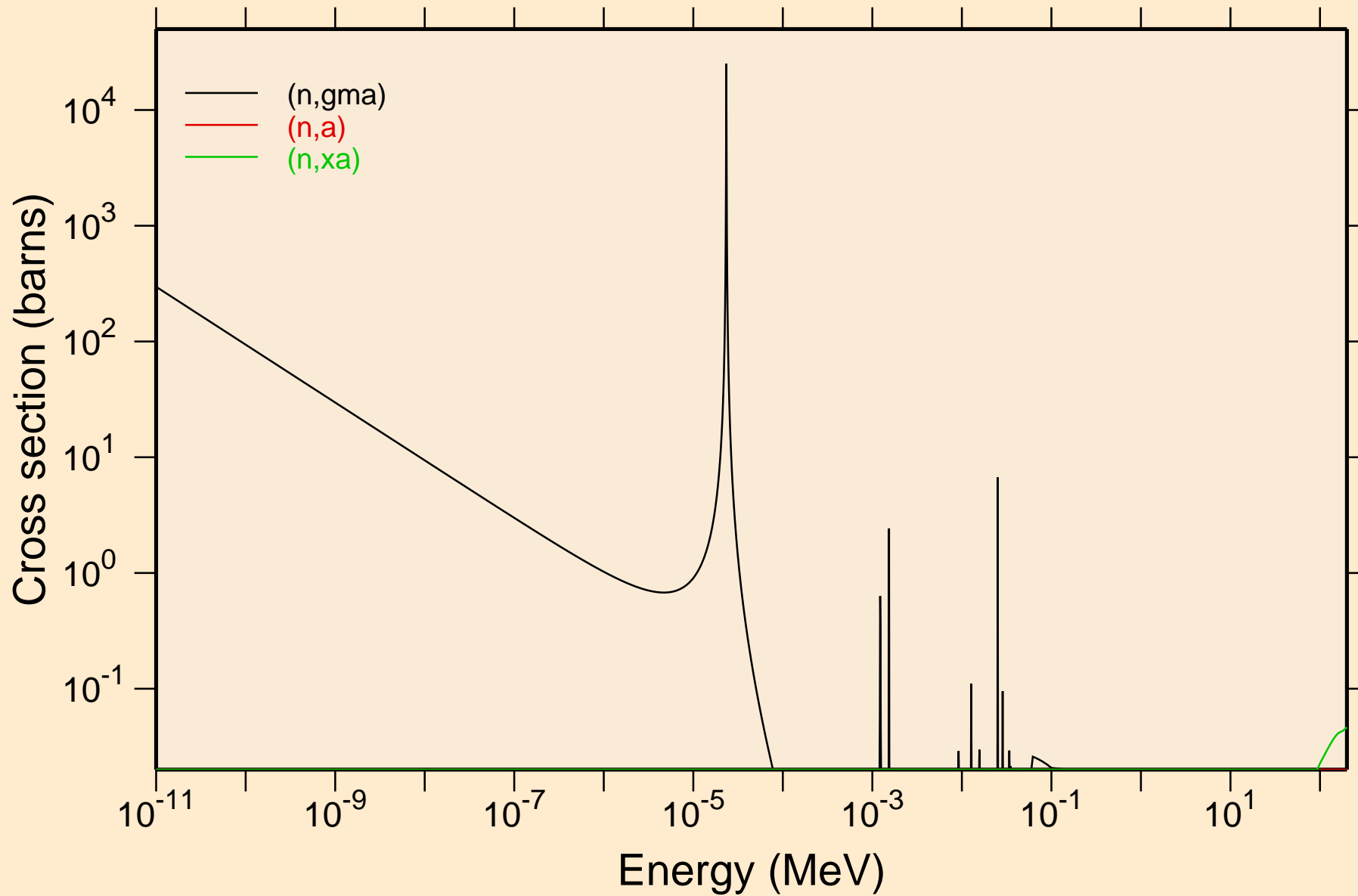
# OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Damage



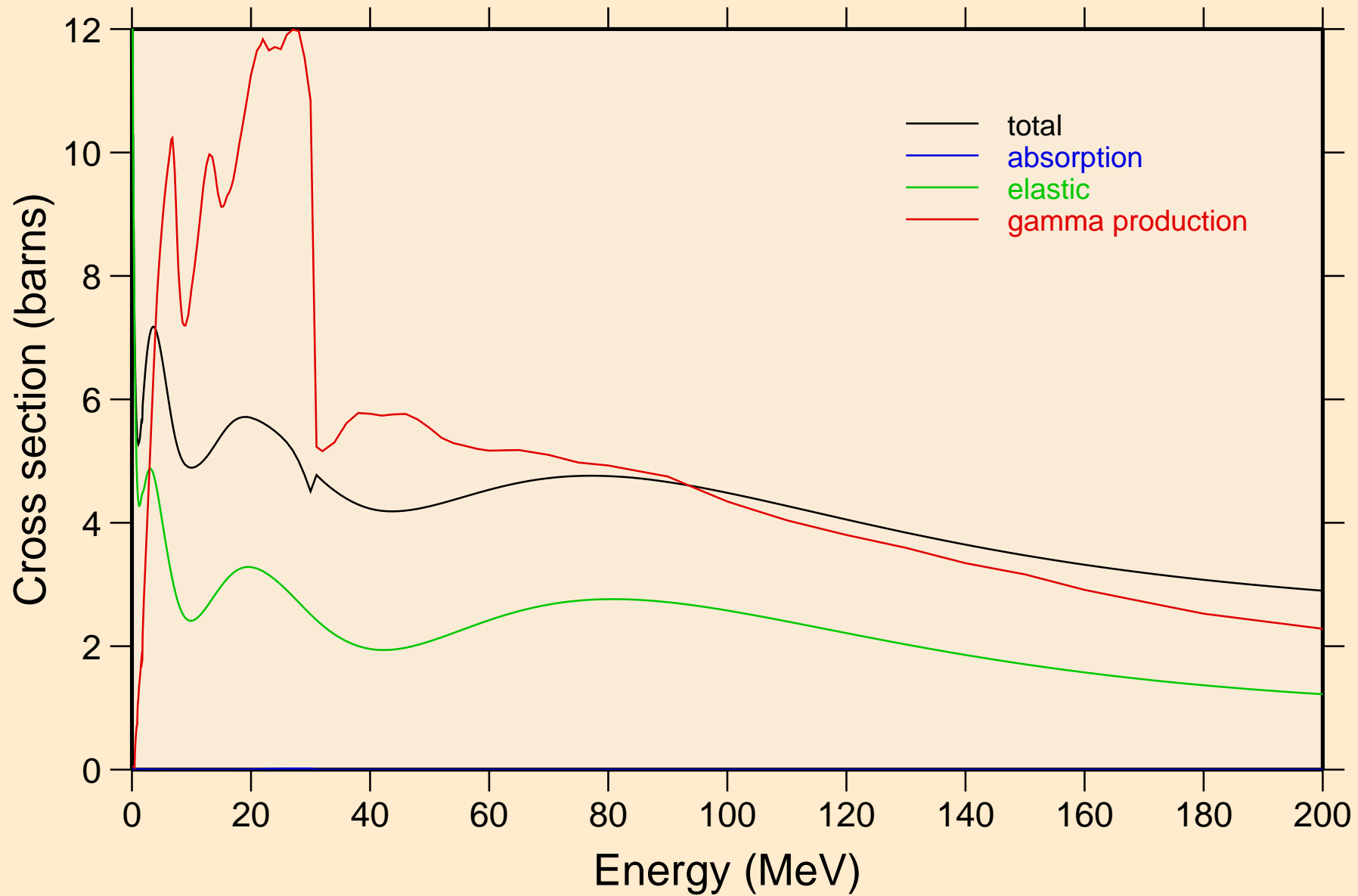
# OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Non-threshold reactions



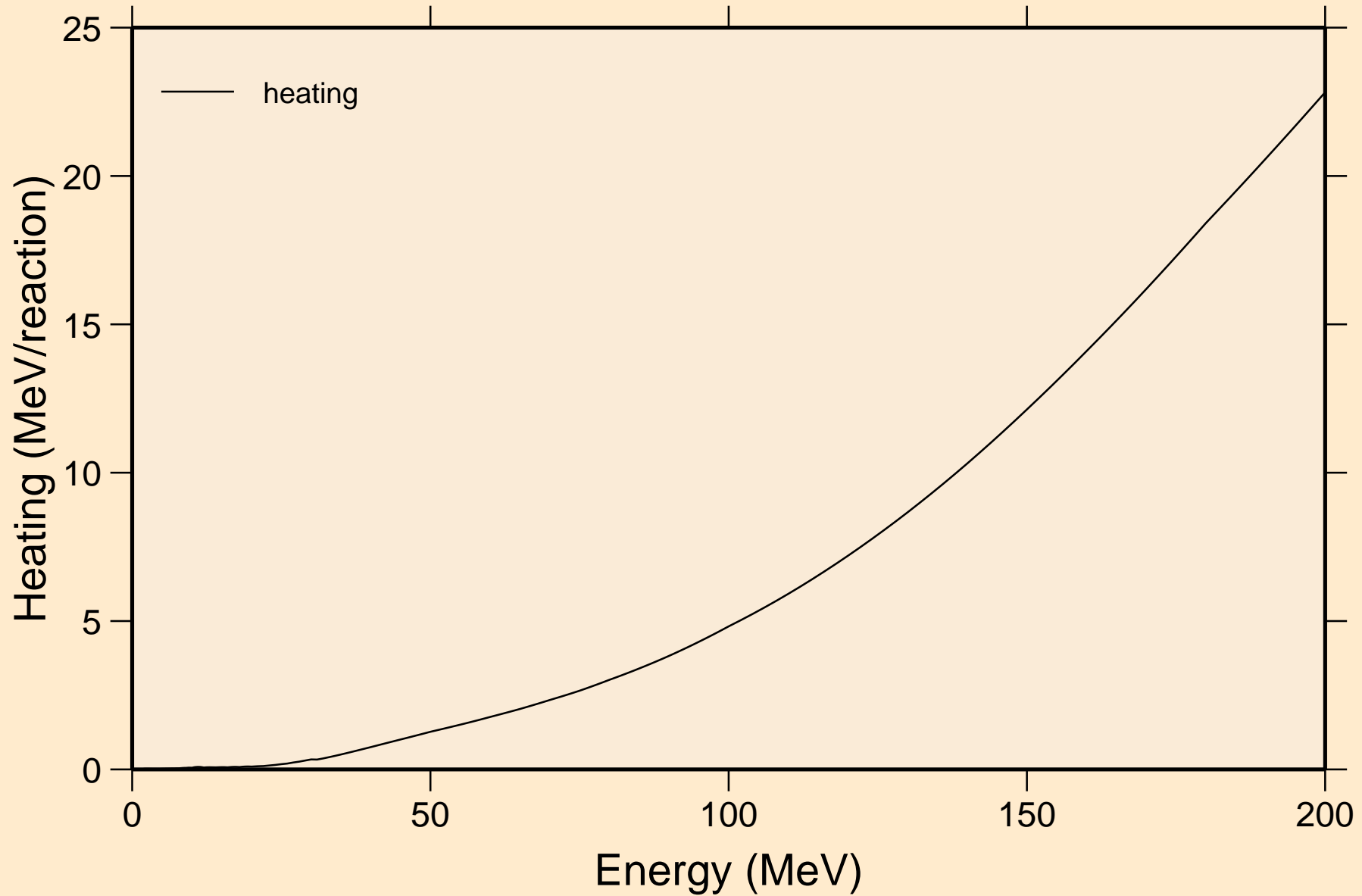
# OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



# OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

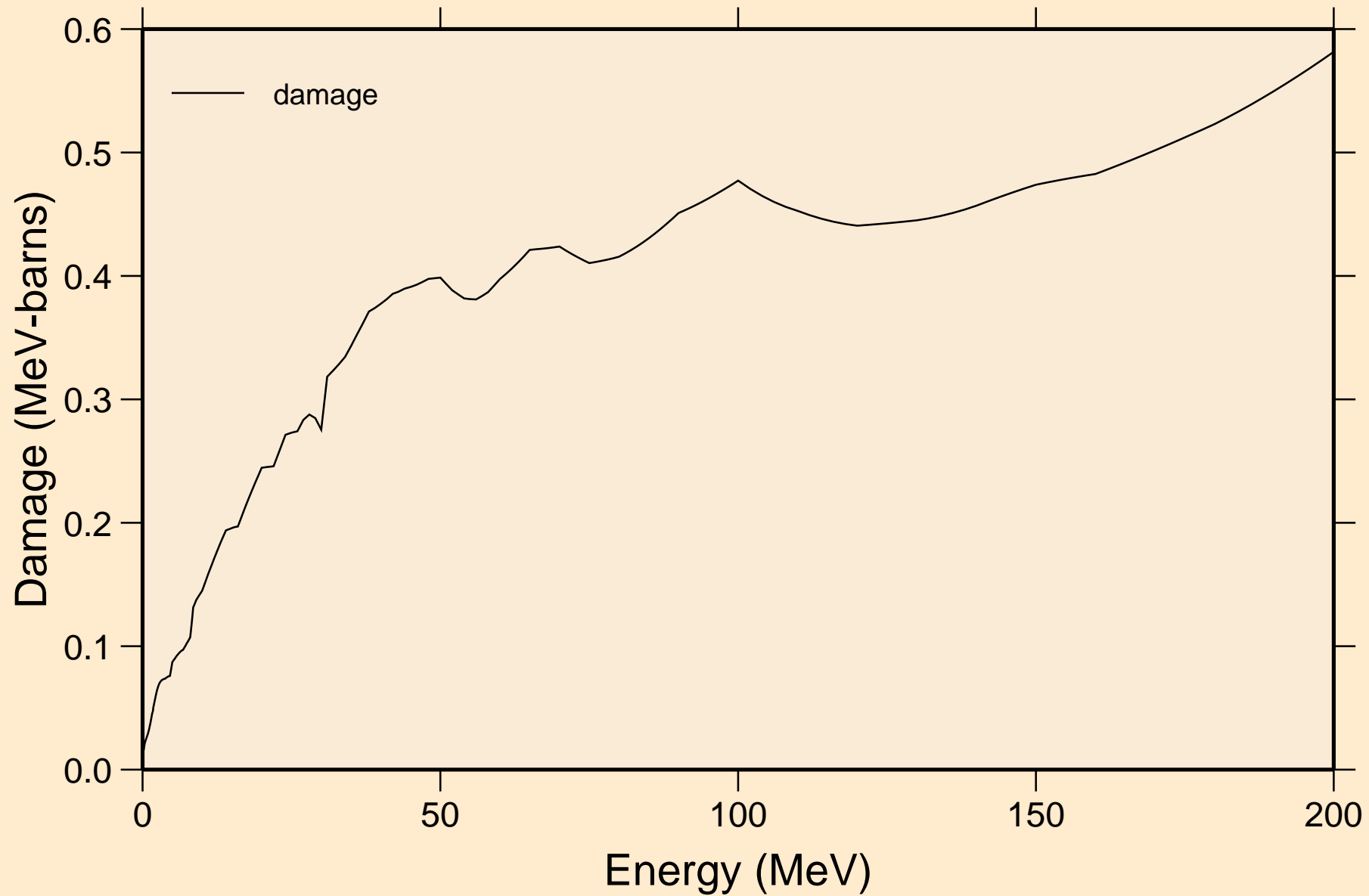
## Heating





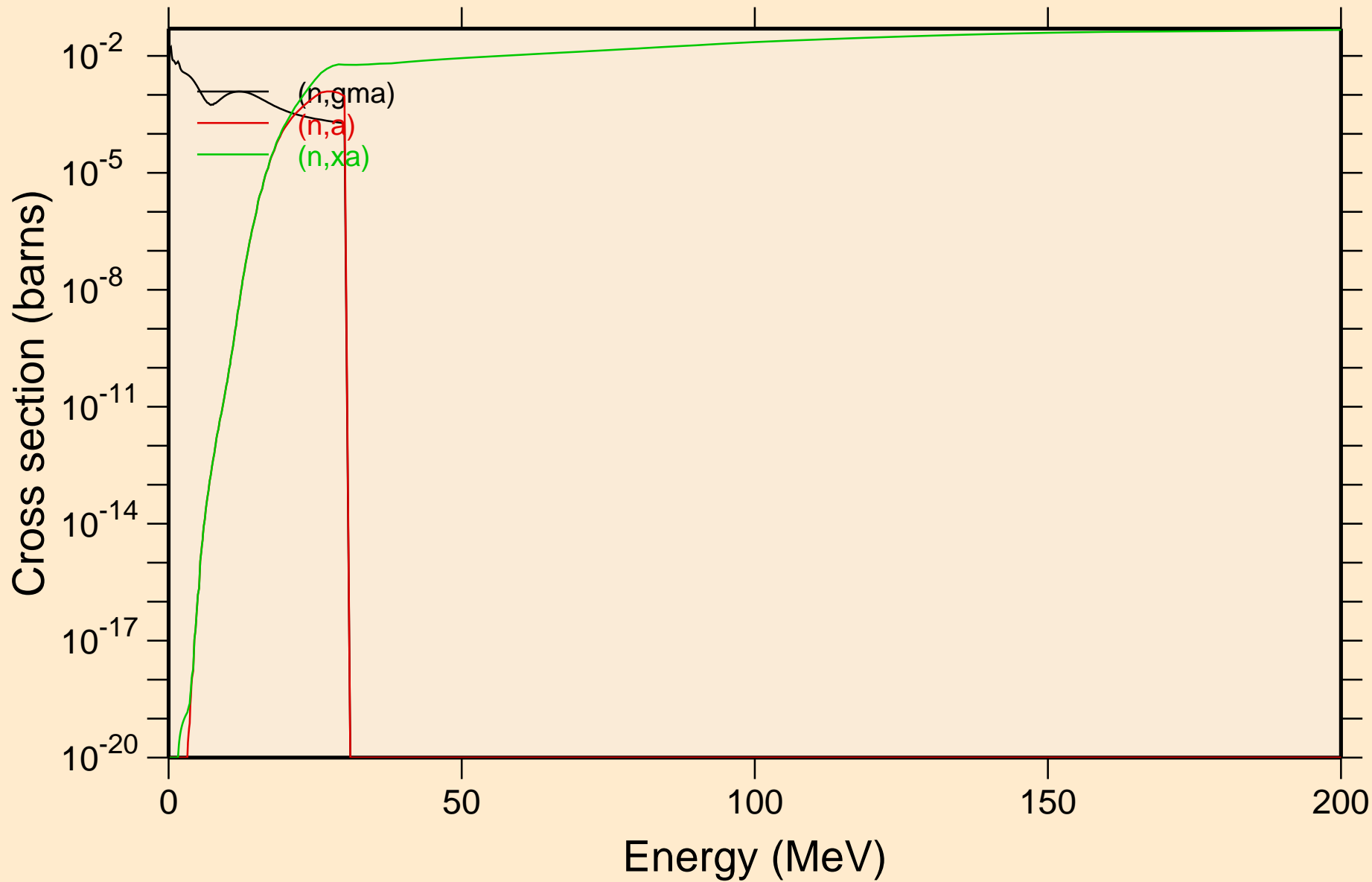
# OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Damage

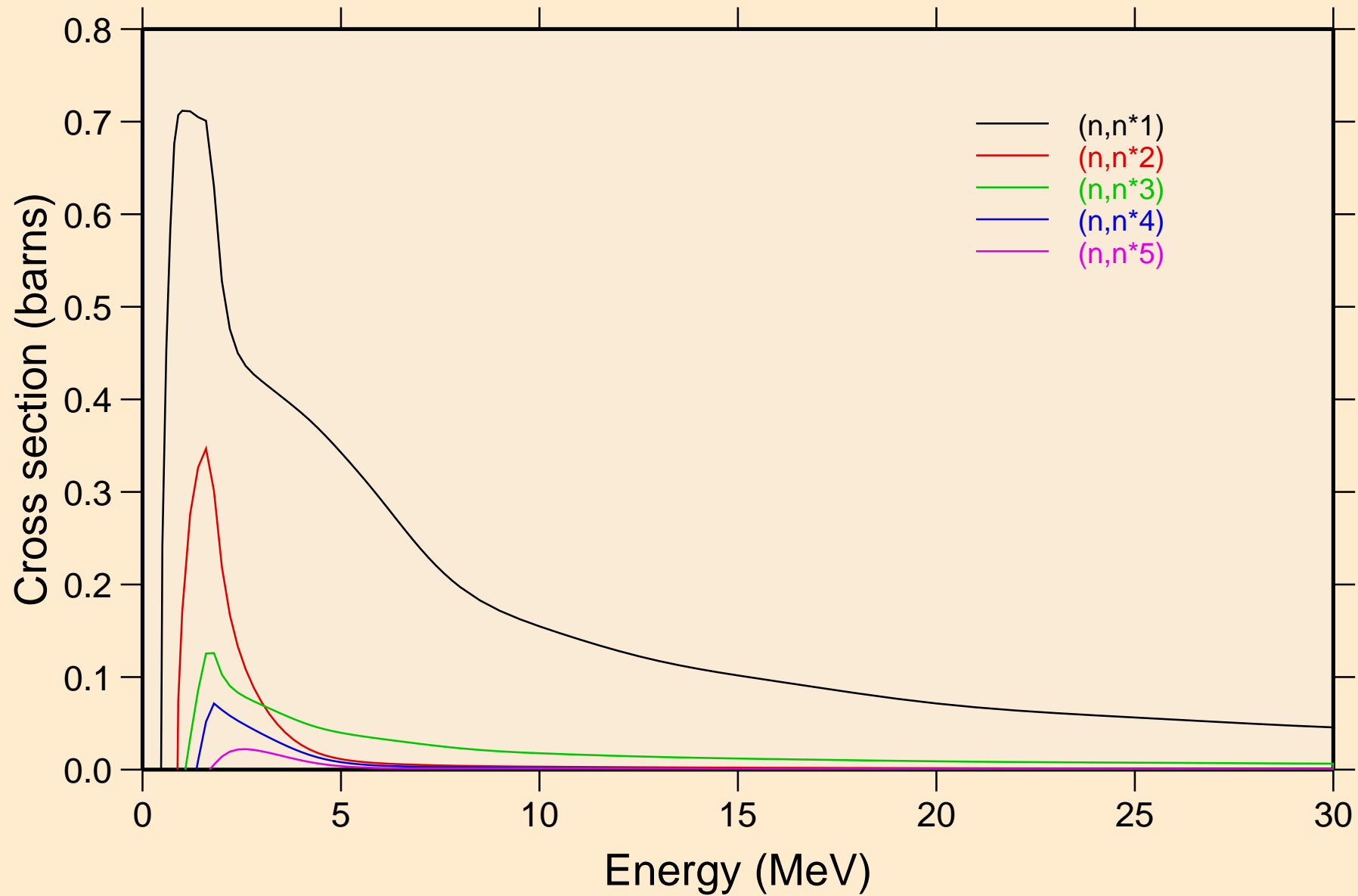


# OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

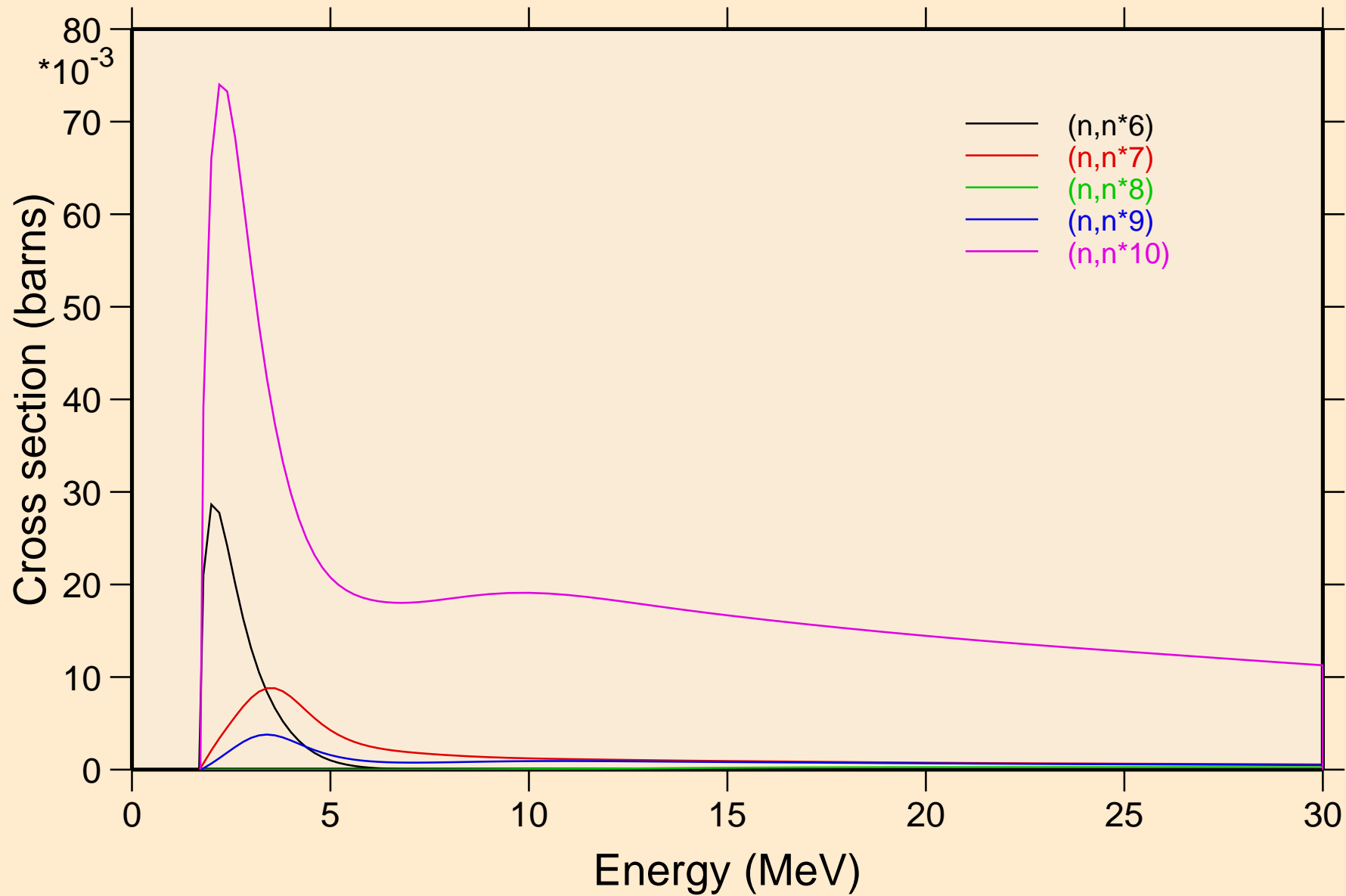
## Non-threshold reactions



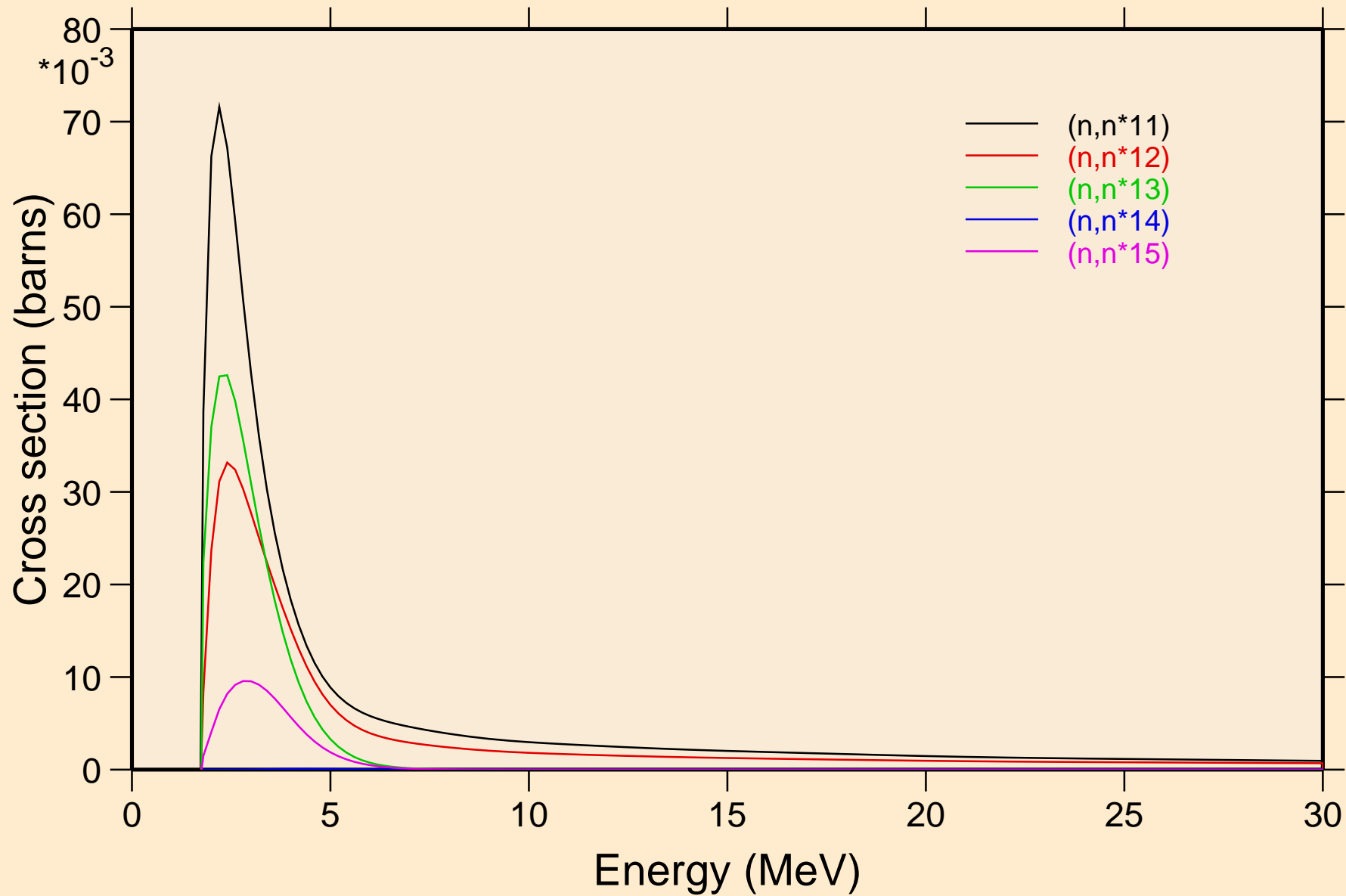
OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



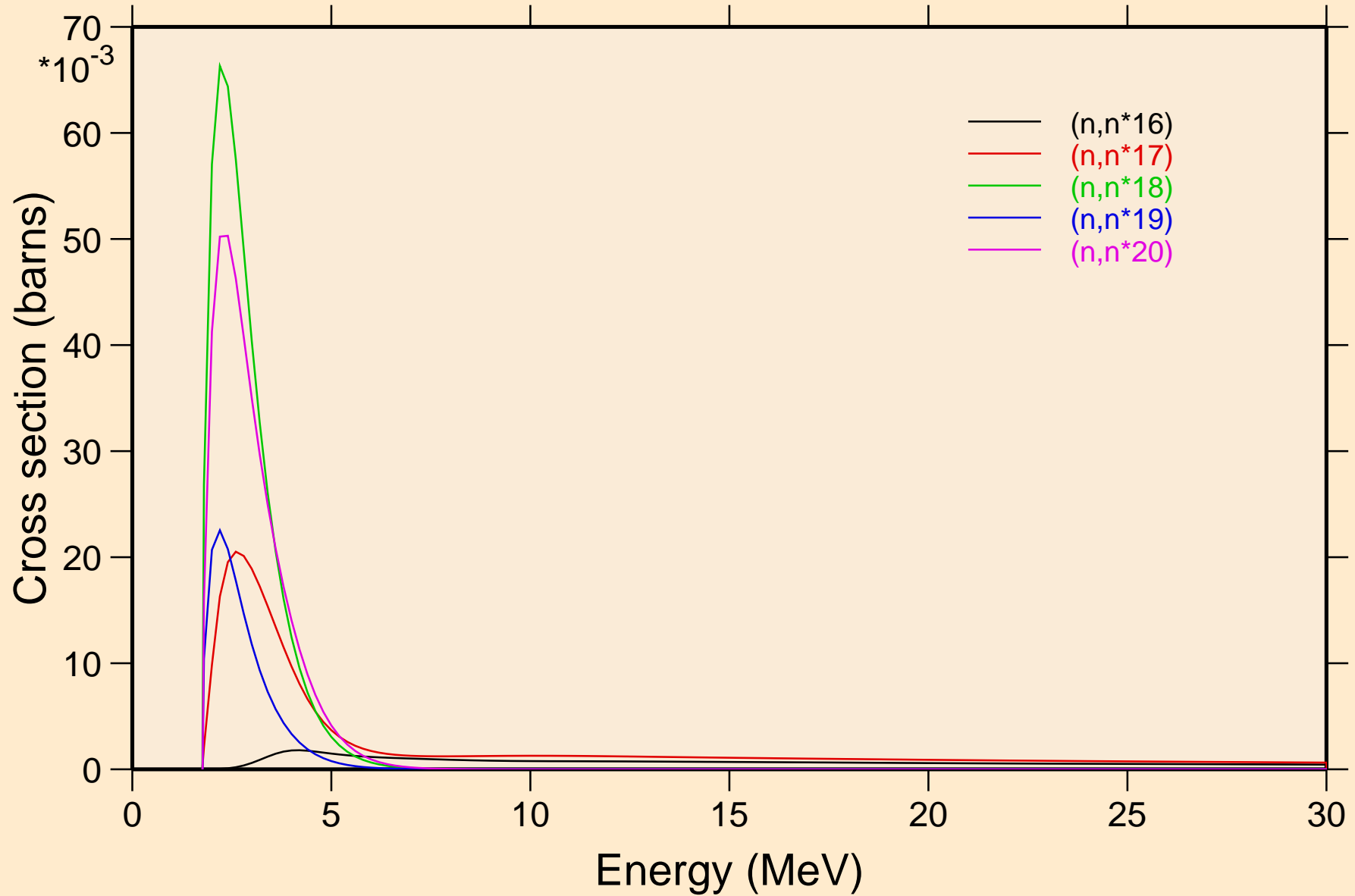
OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



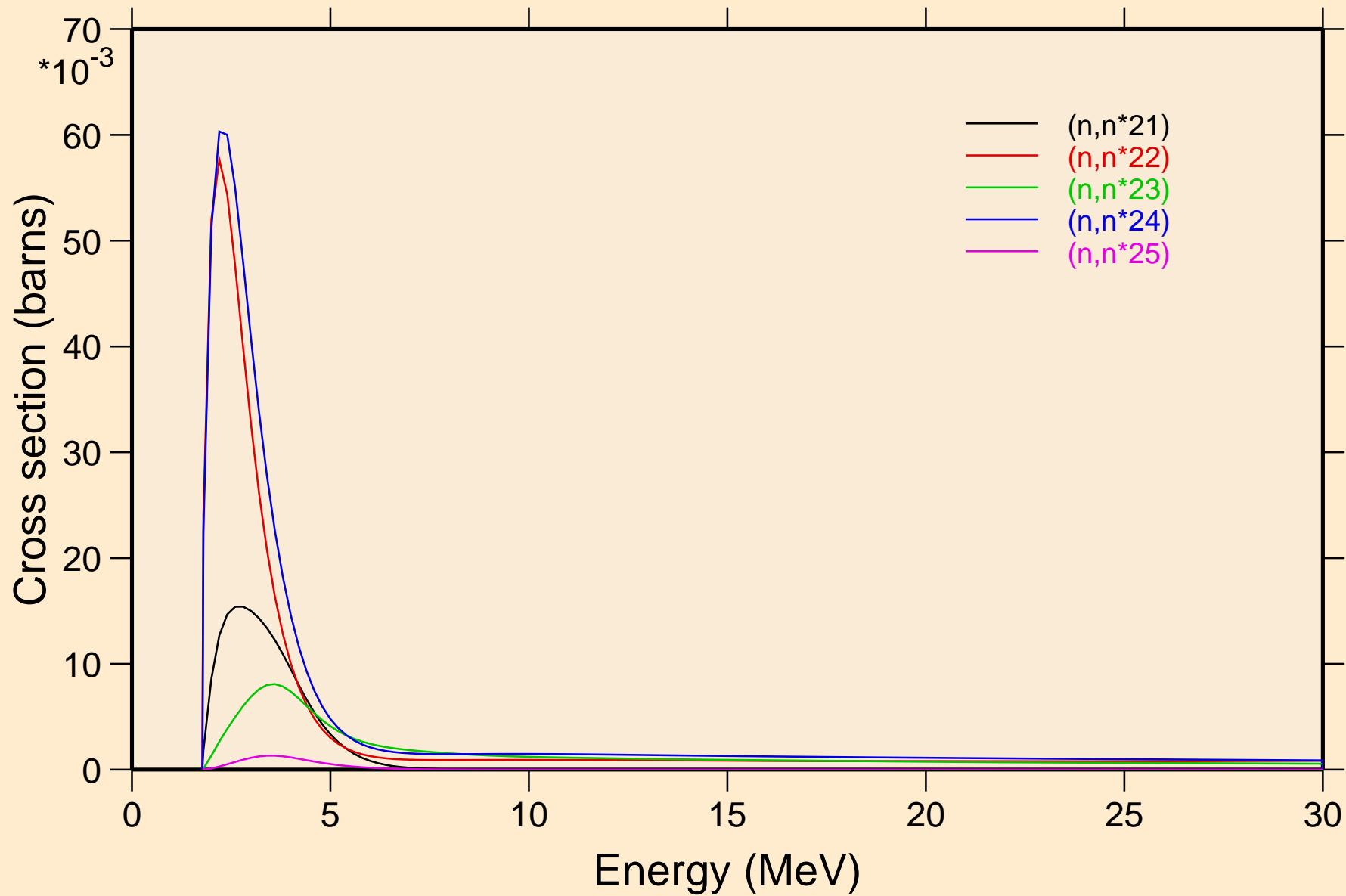
OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



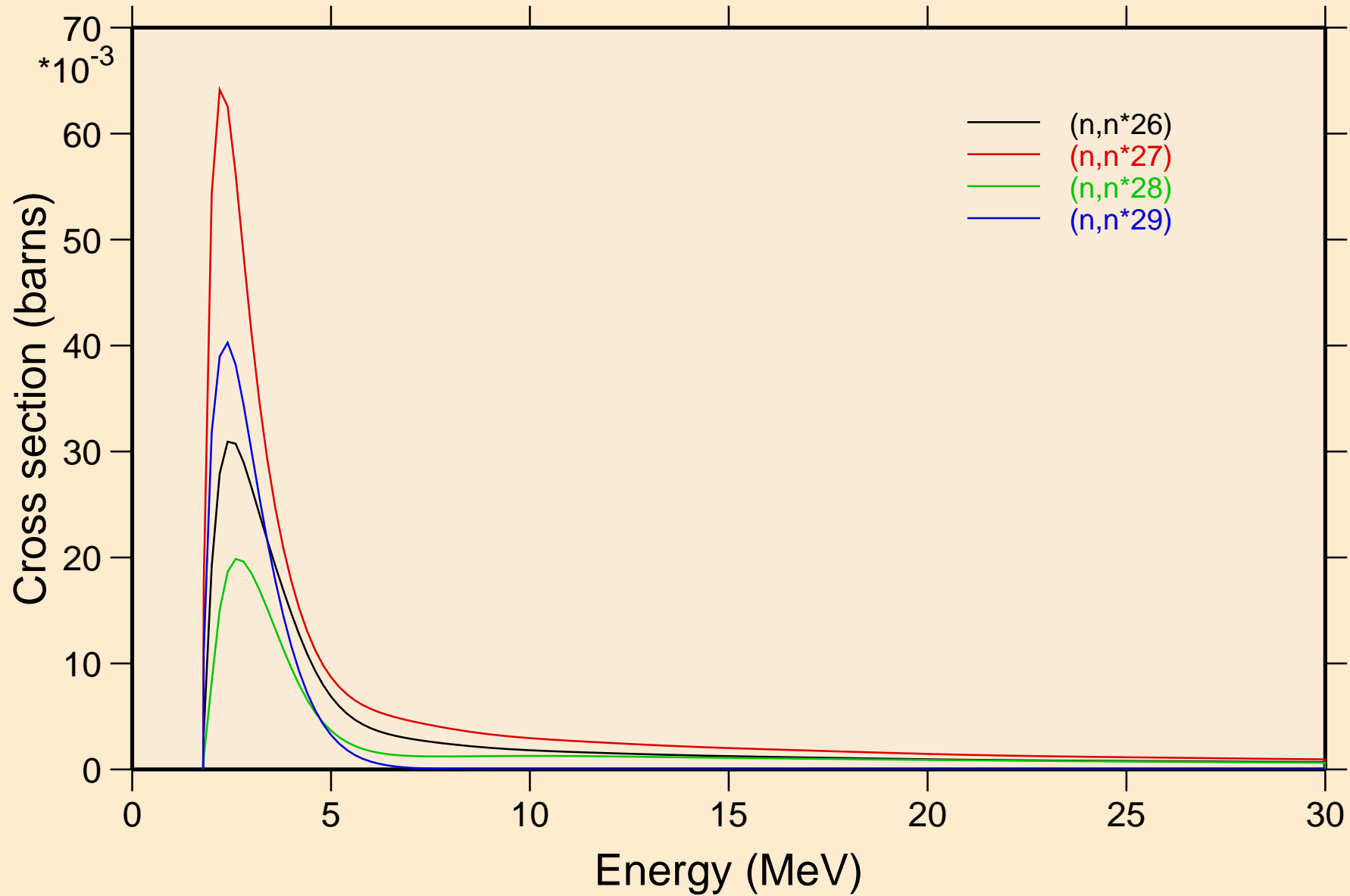
OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

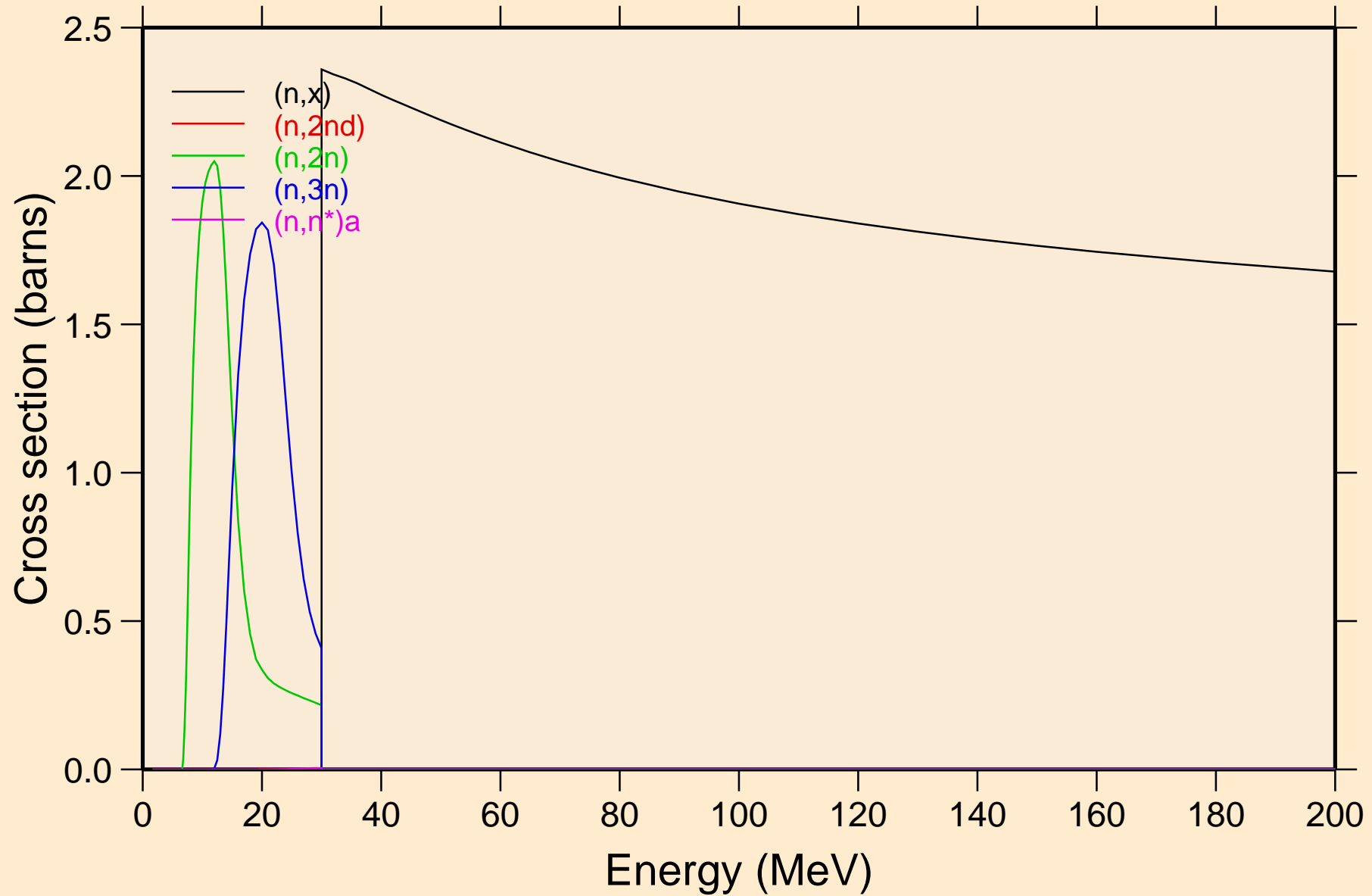


OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



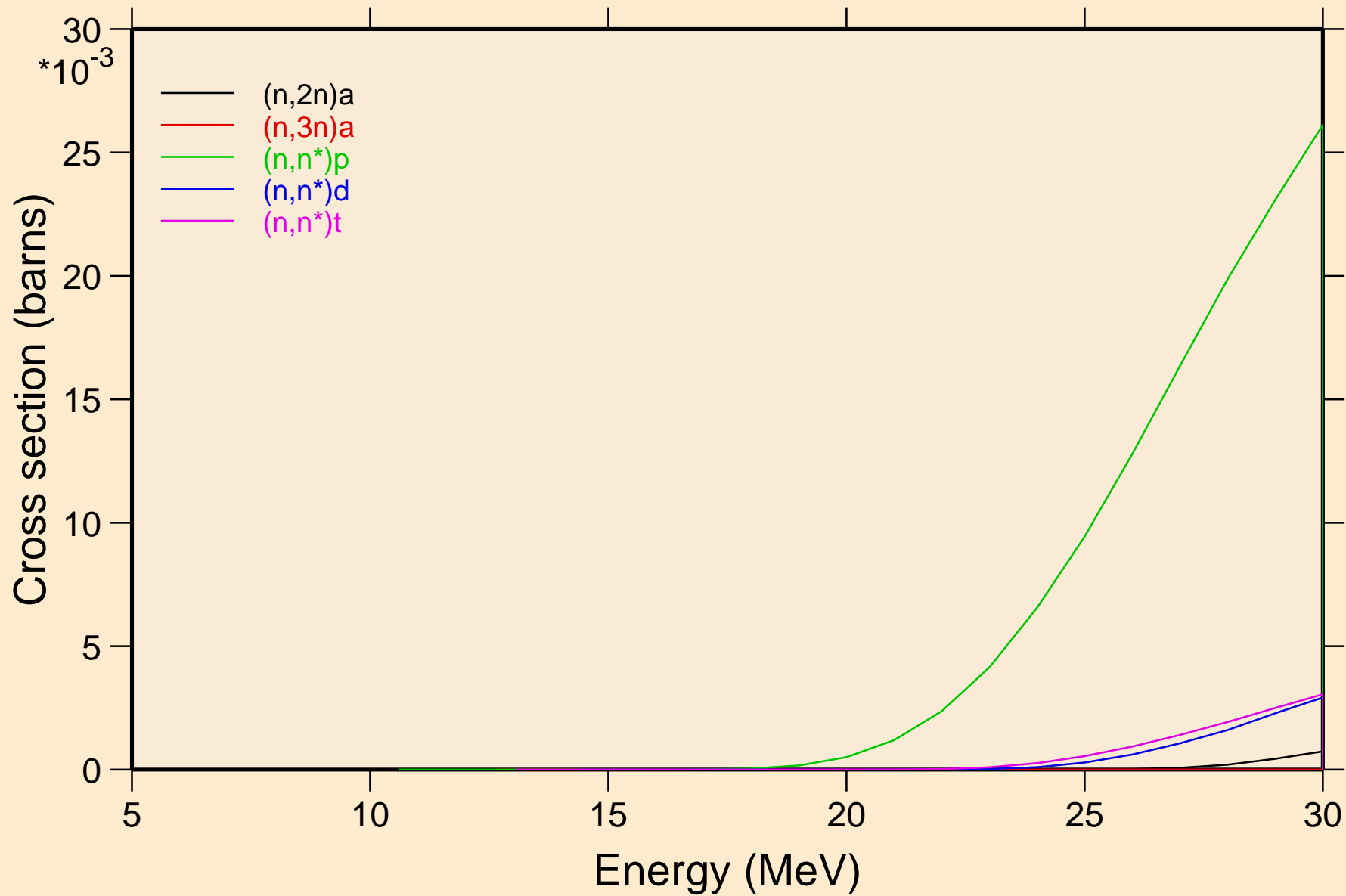


OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

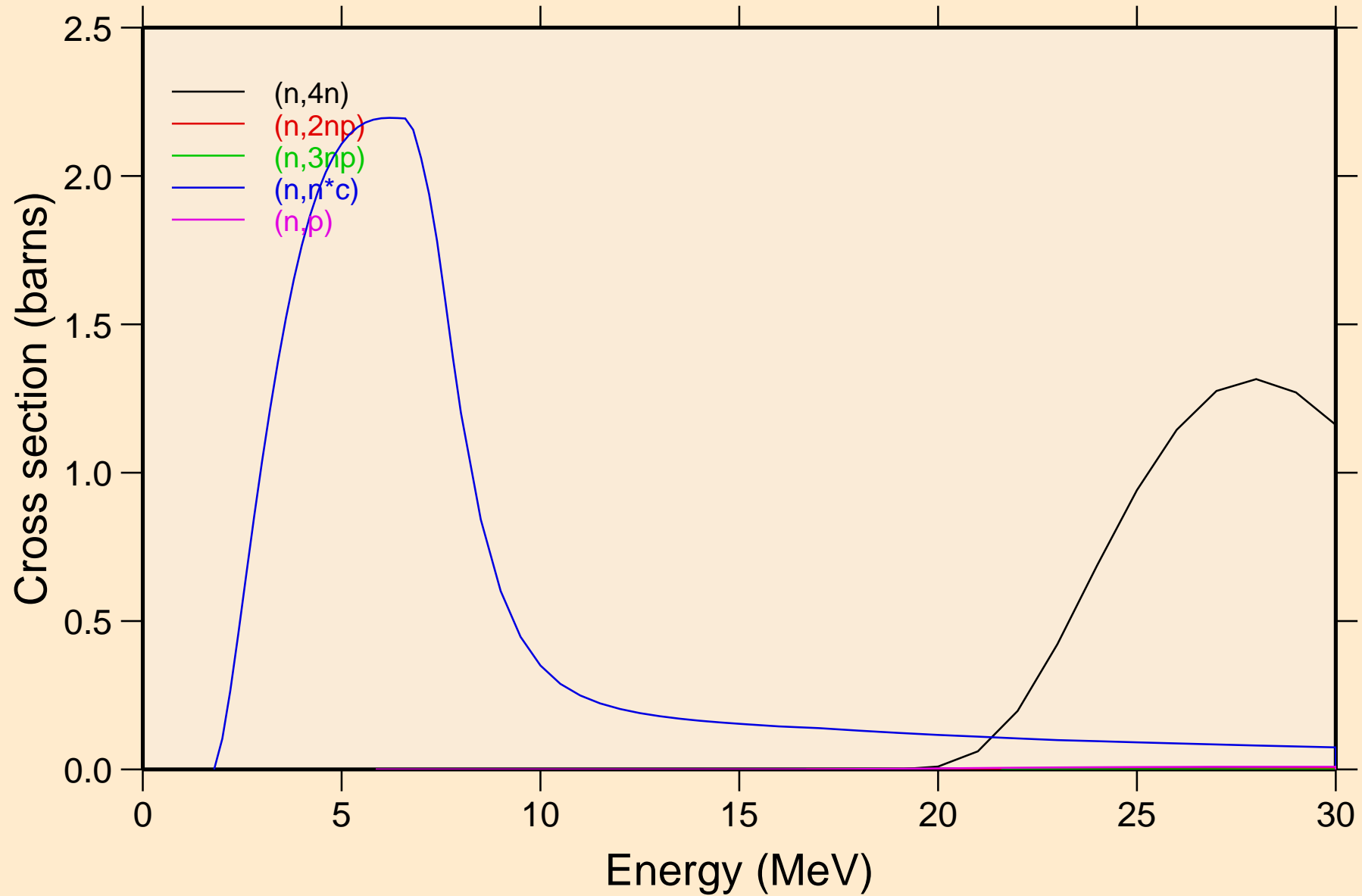


# OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

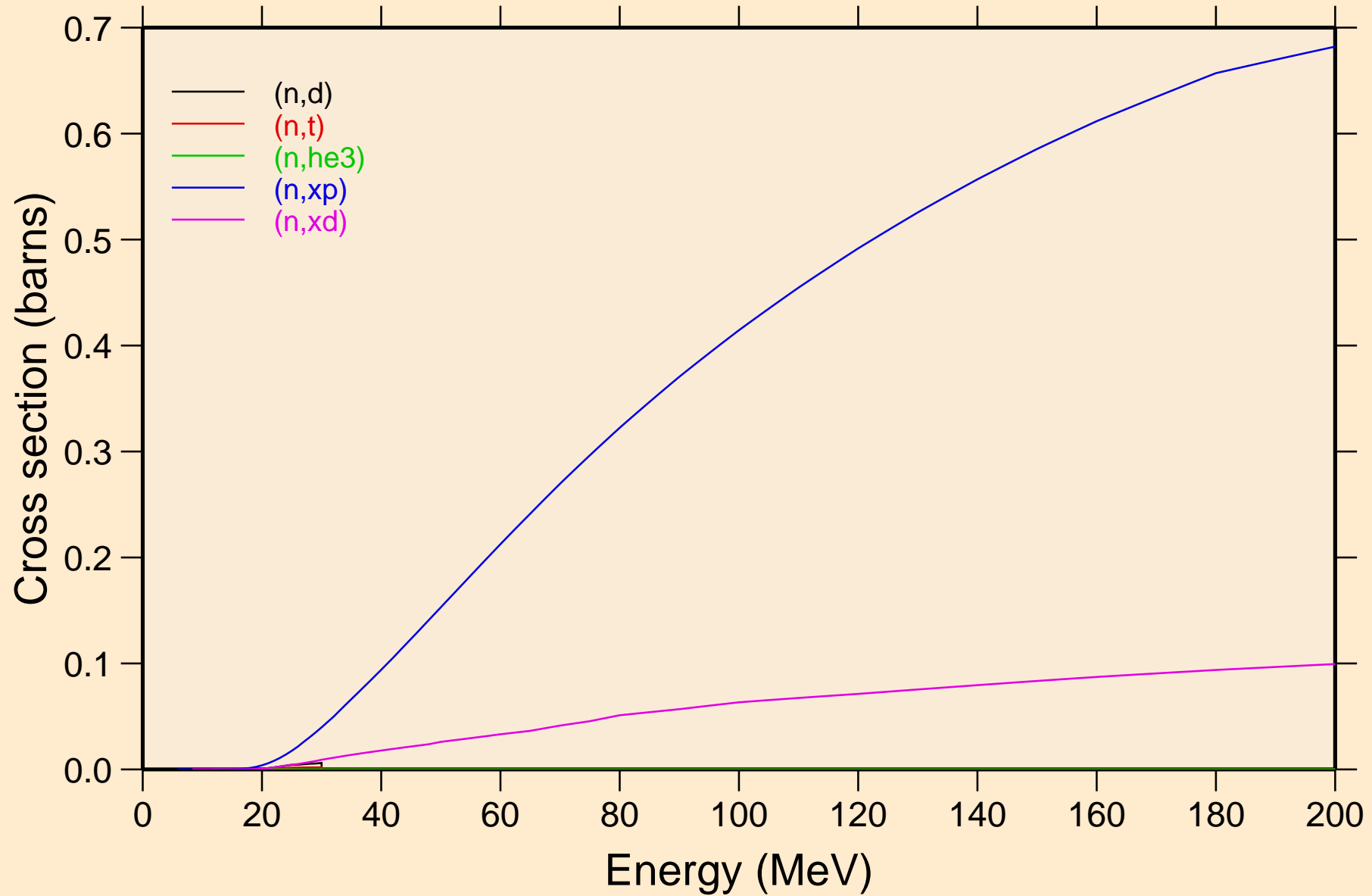
## Threshold reactions



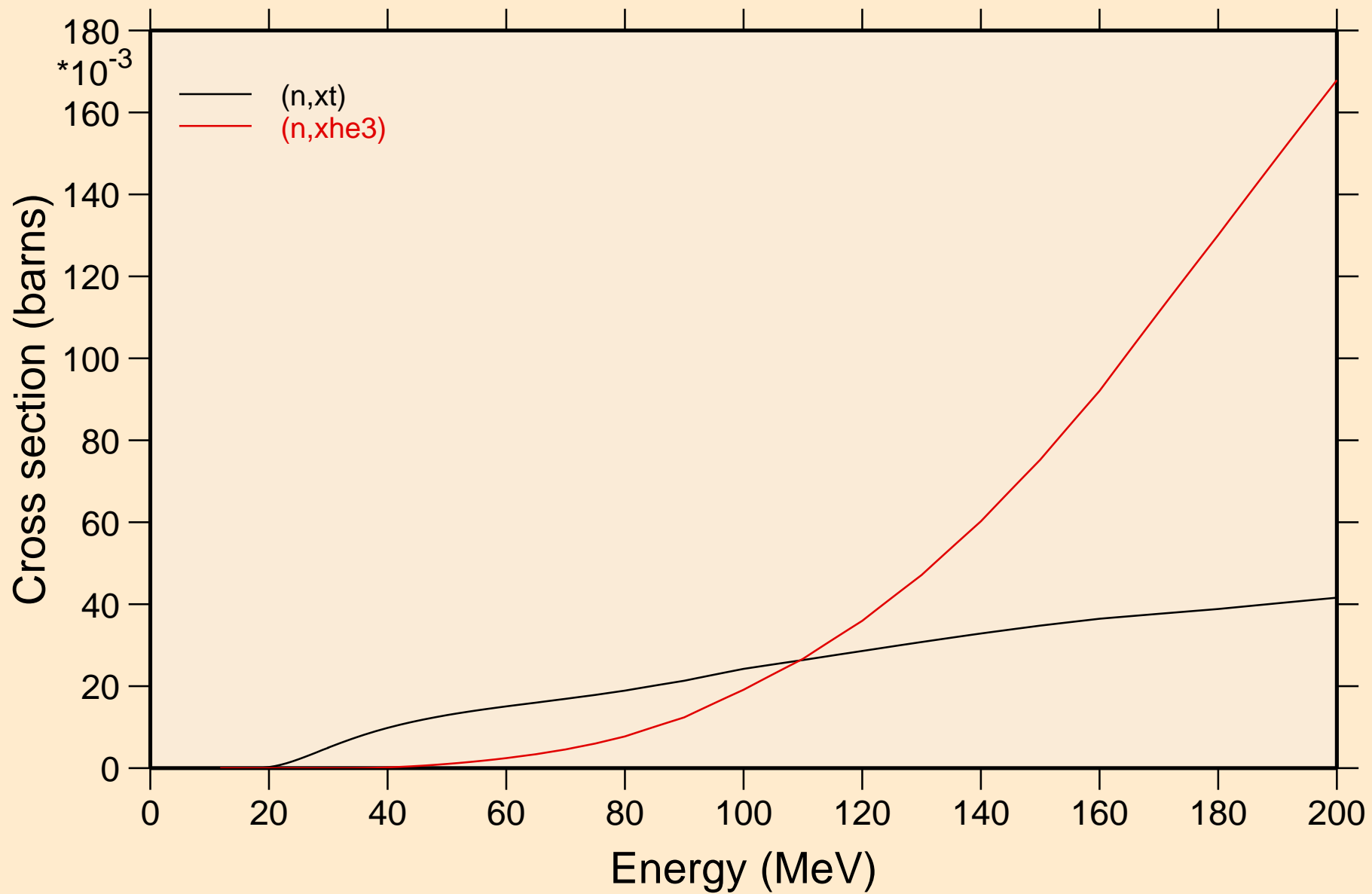
OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



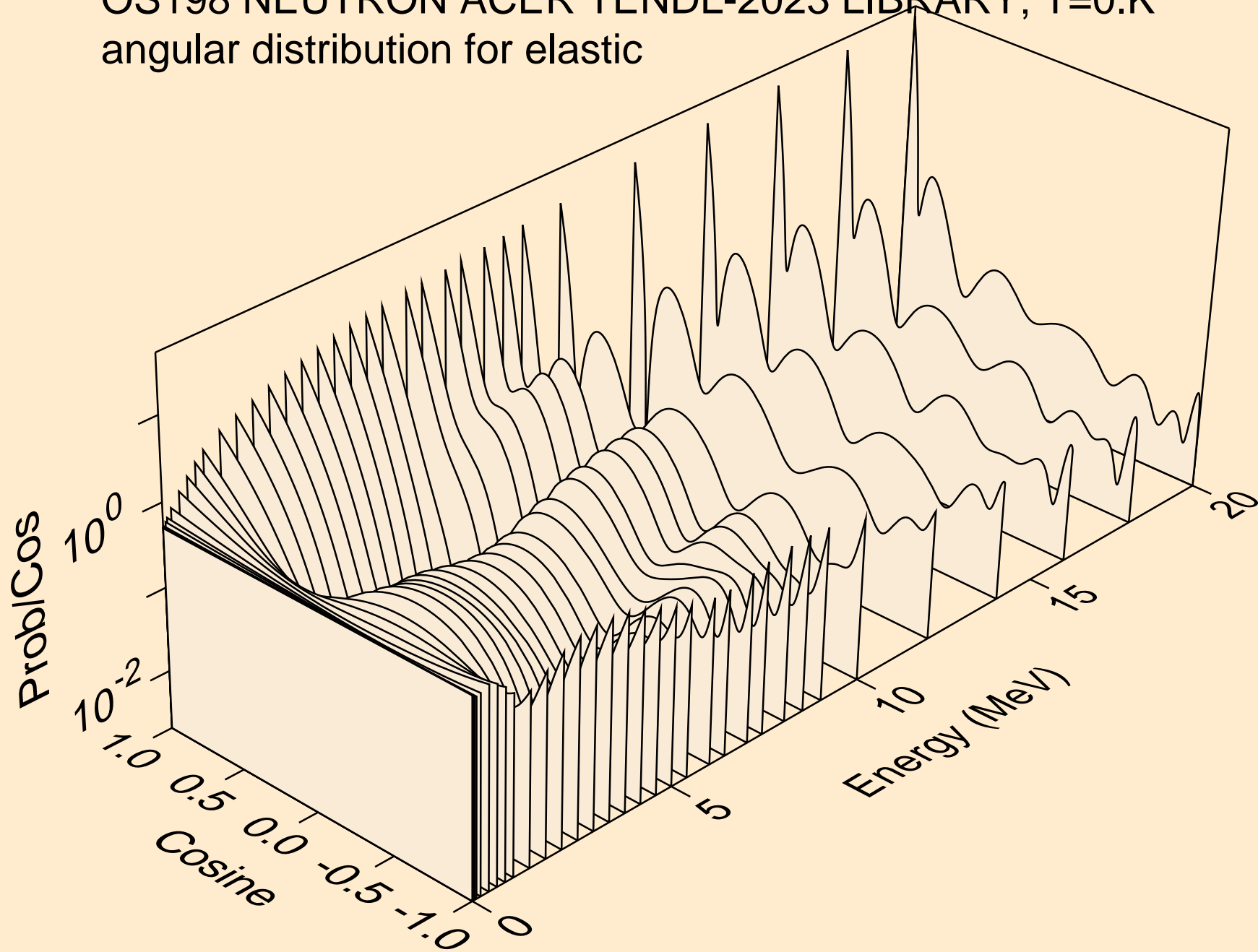
OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



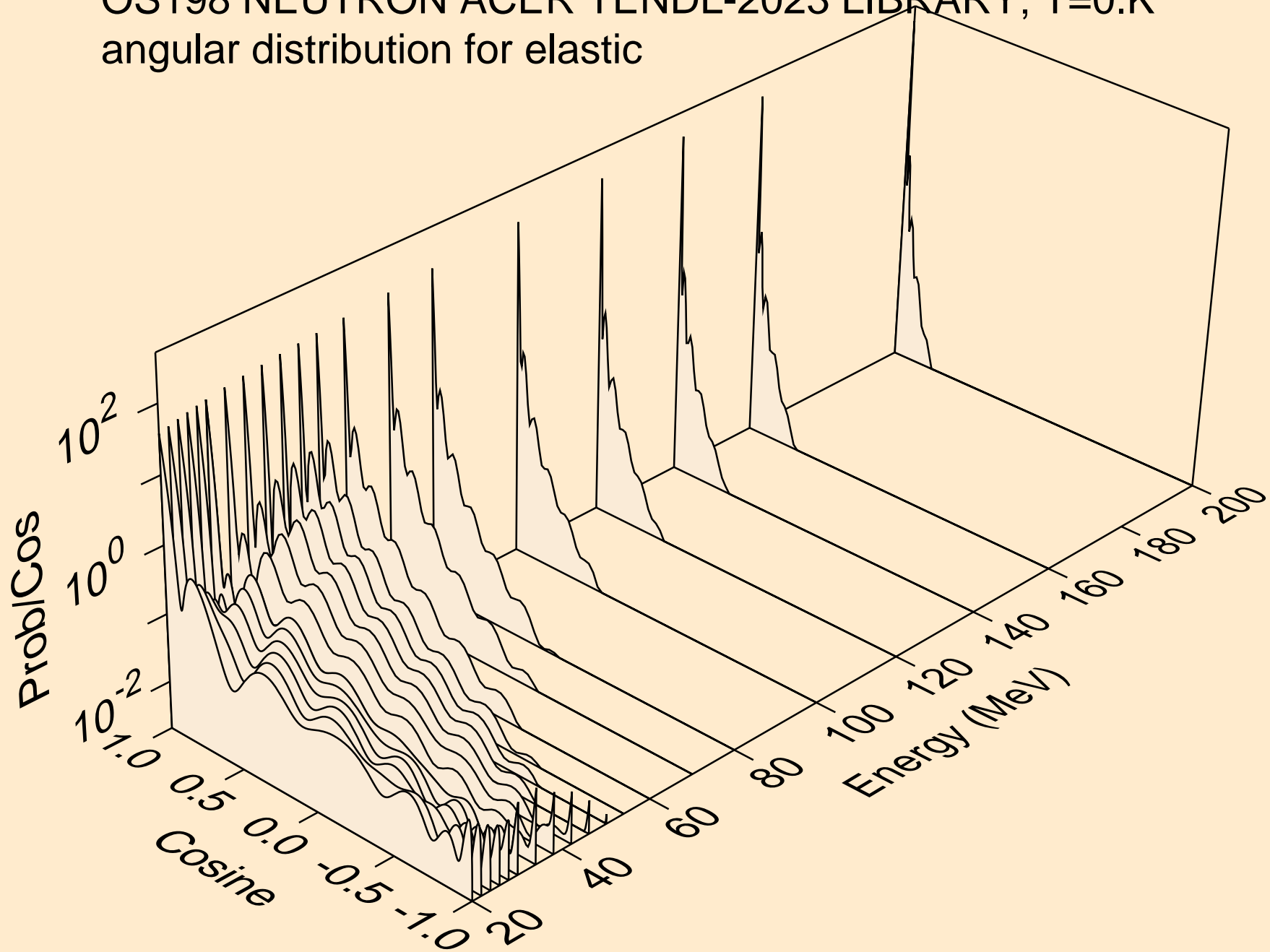
OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



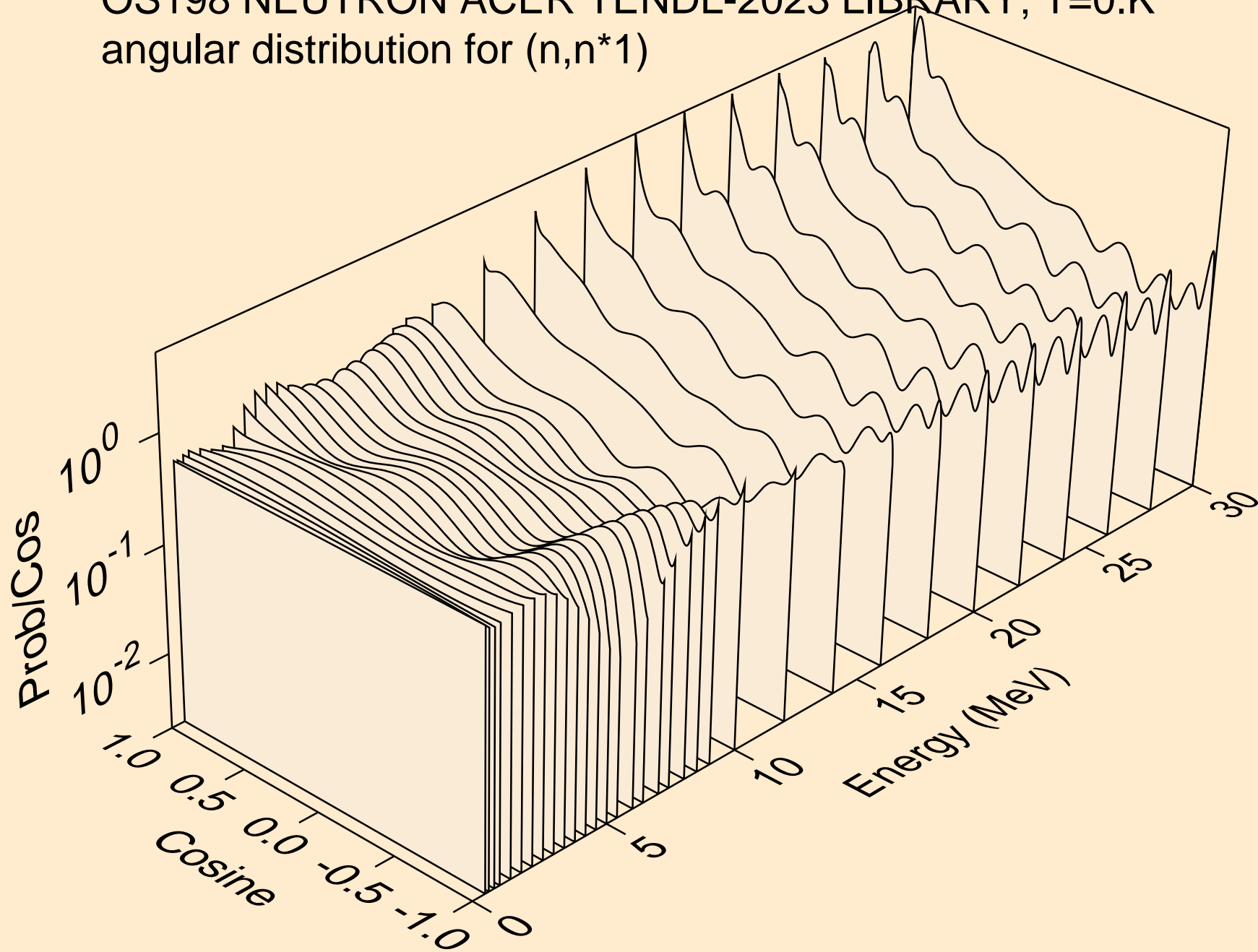
OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic

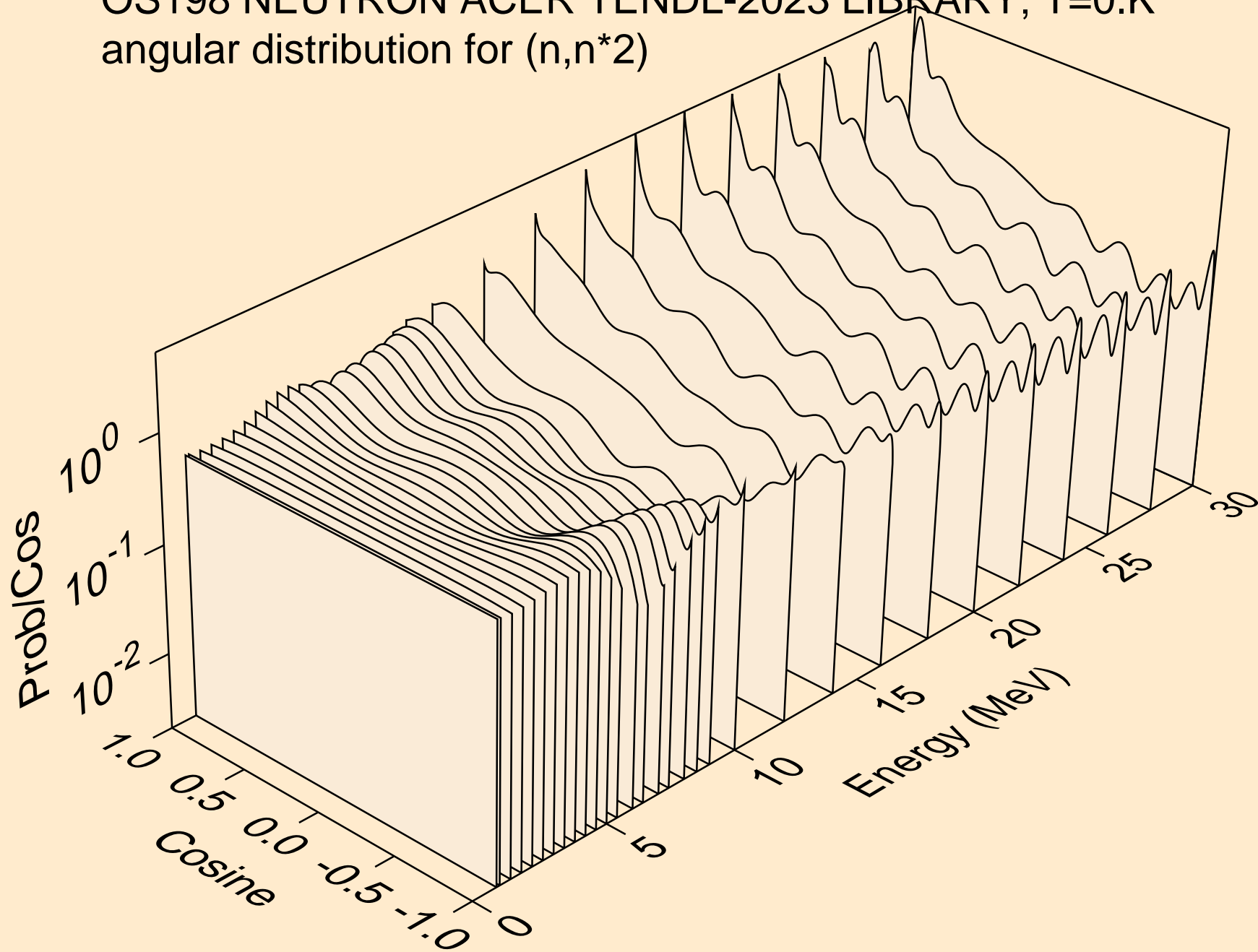


OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*1)

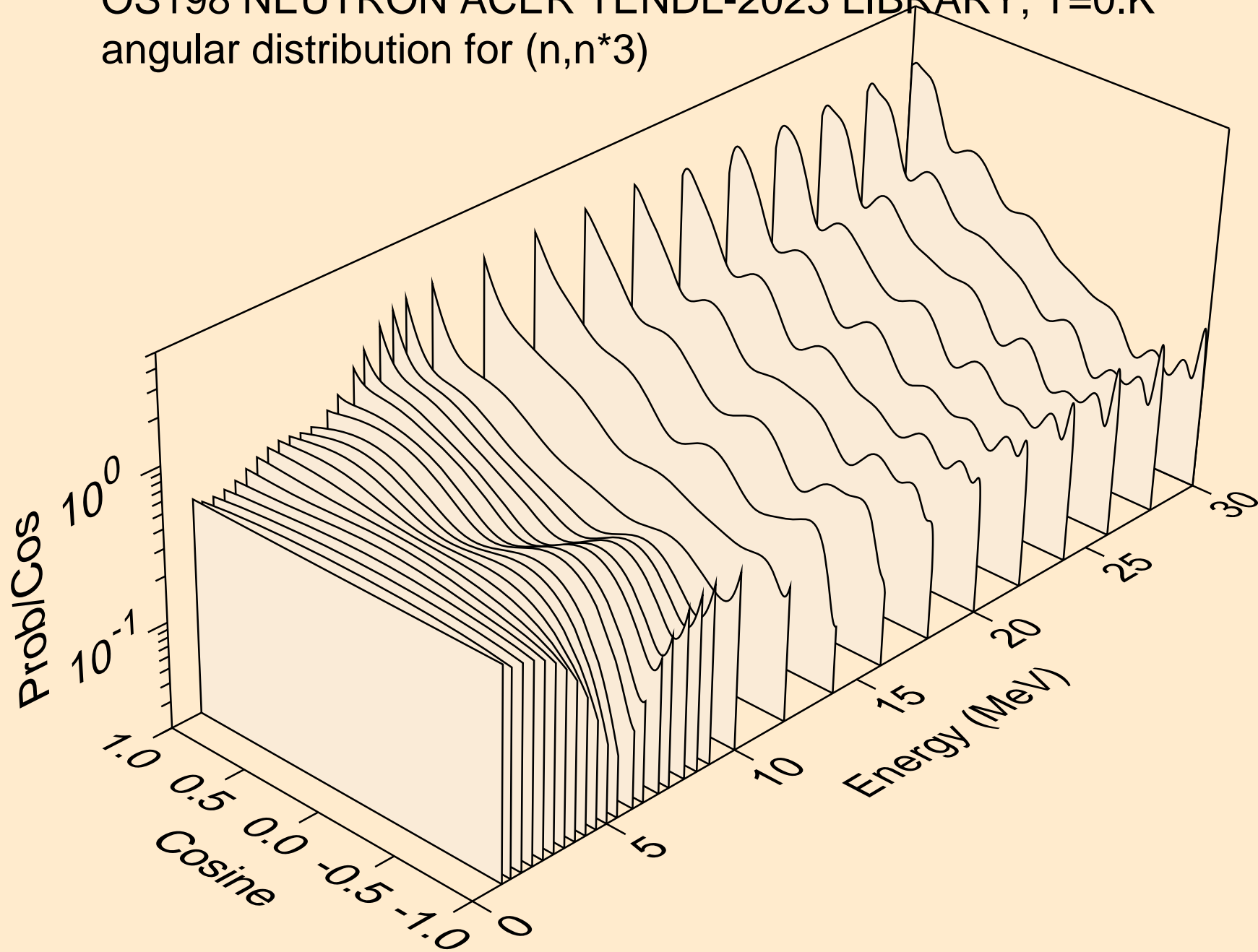




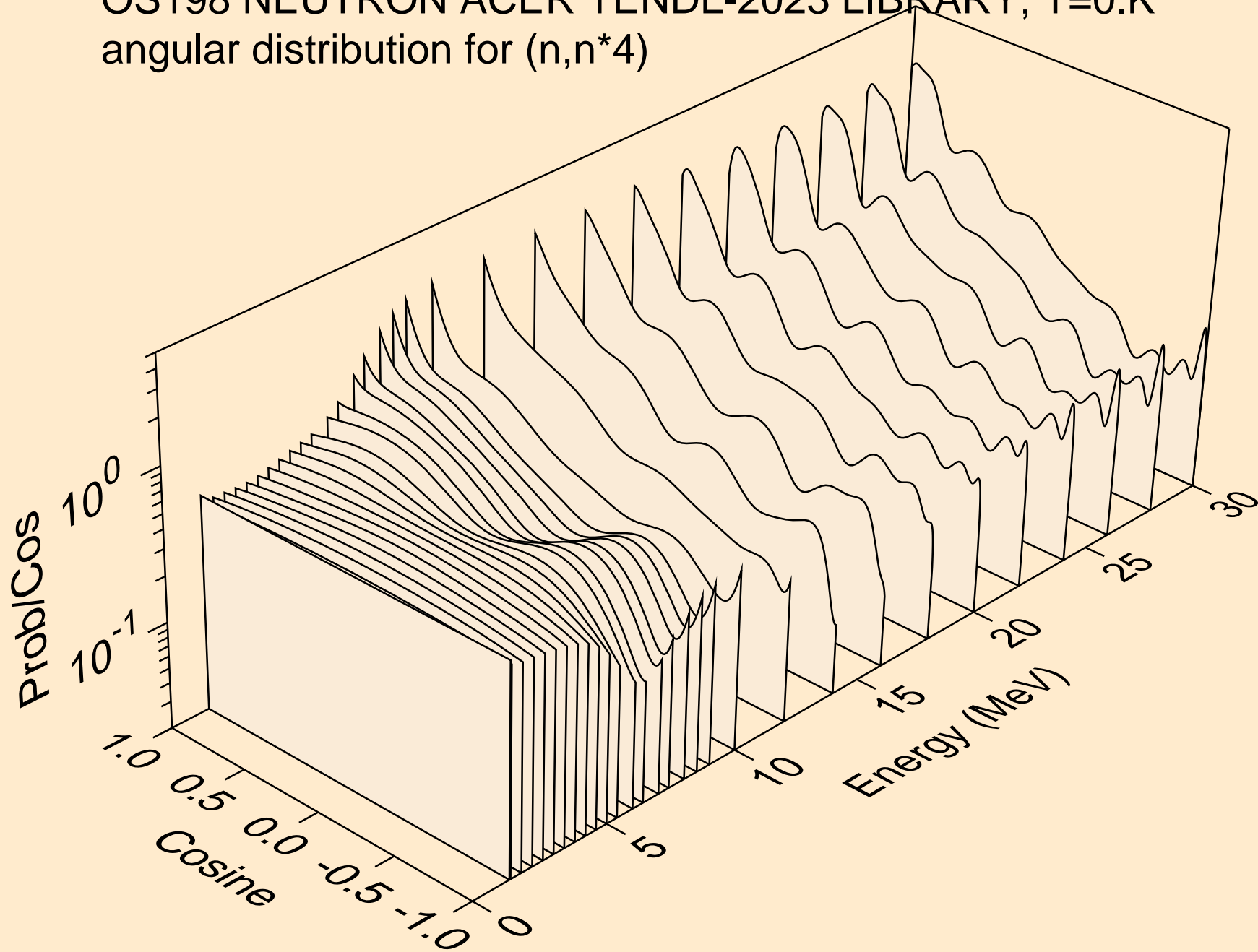
OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*2)



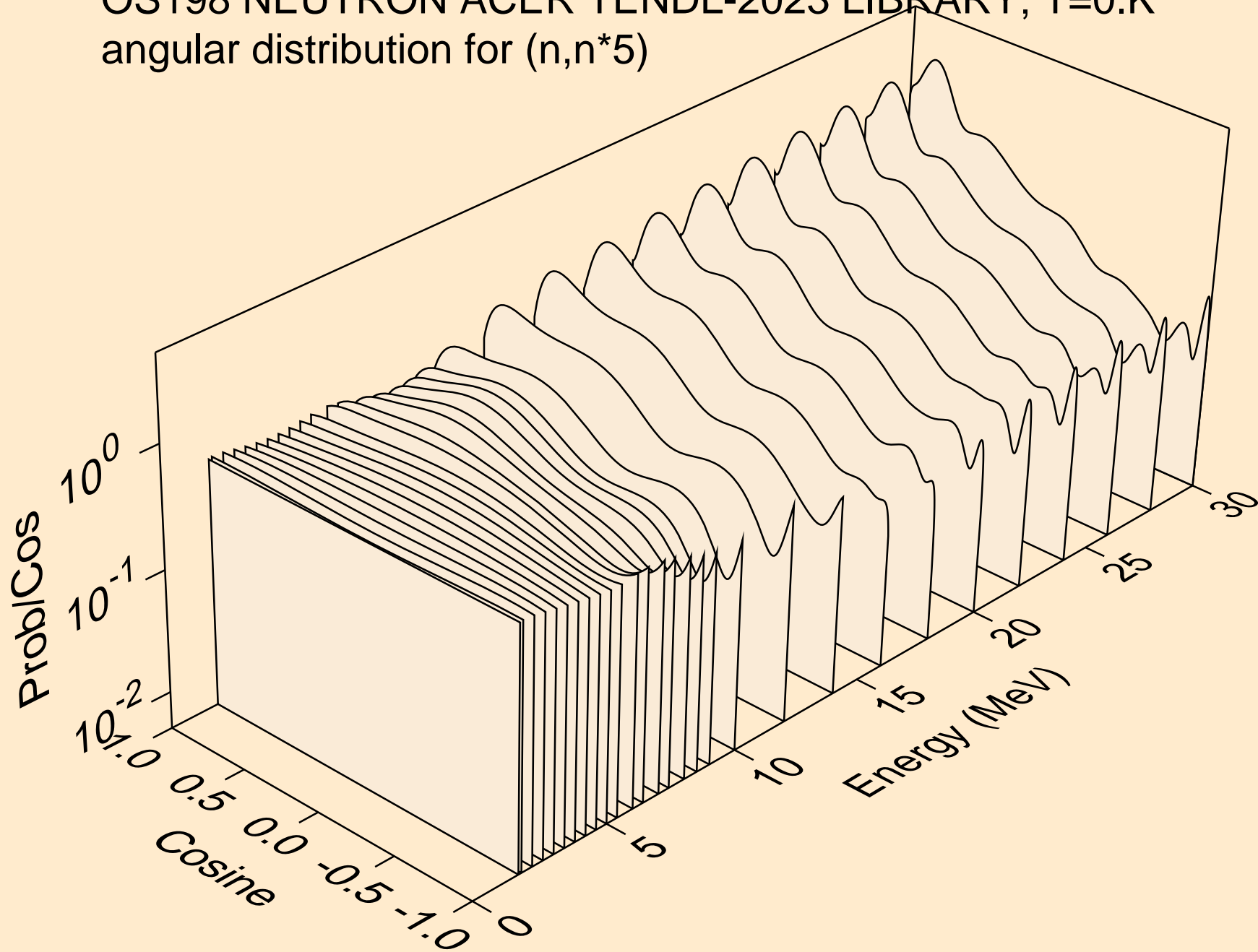
OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*3)



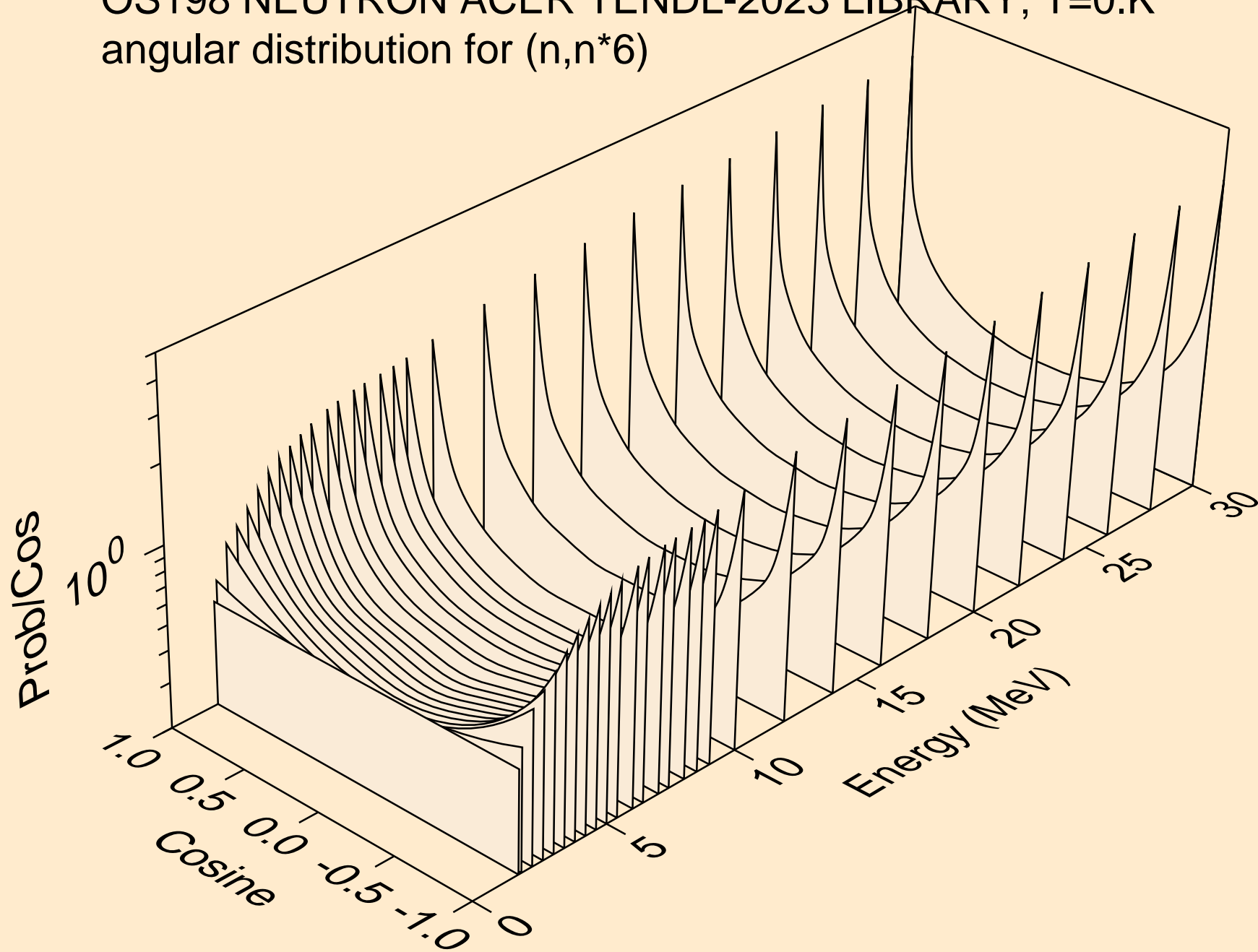
OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*4)



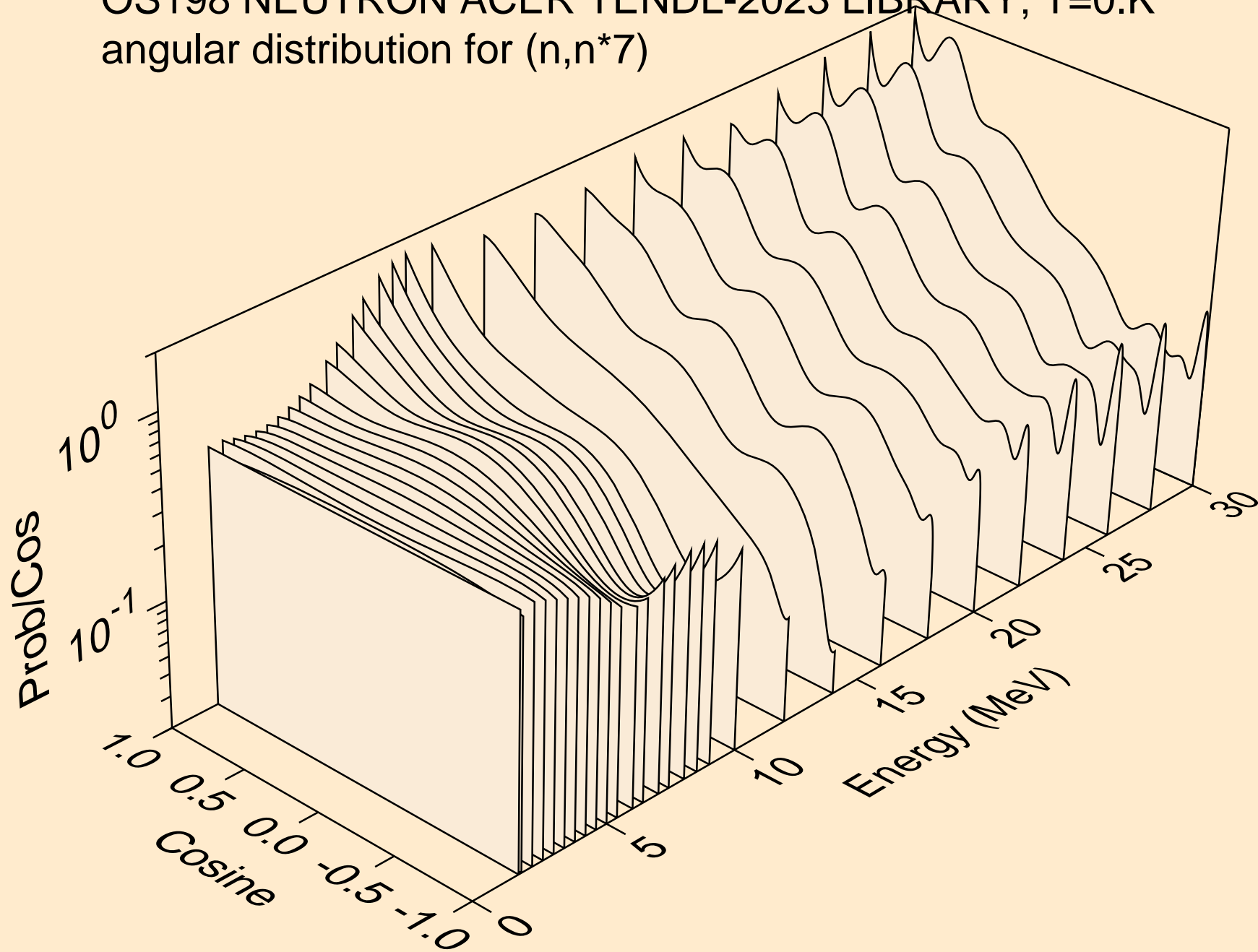
OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*5)



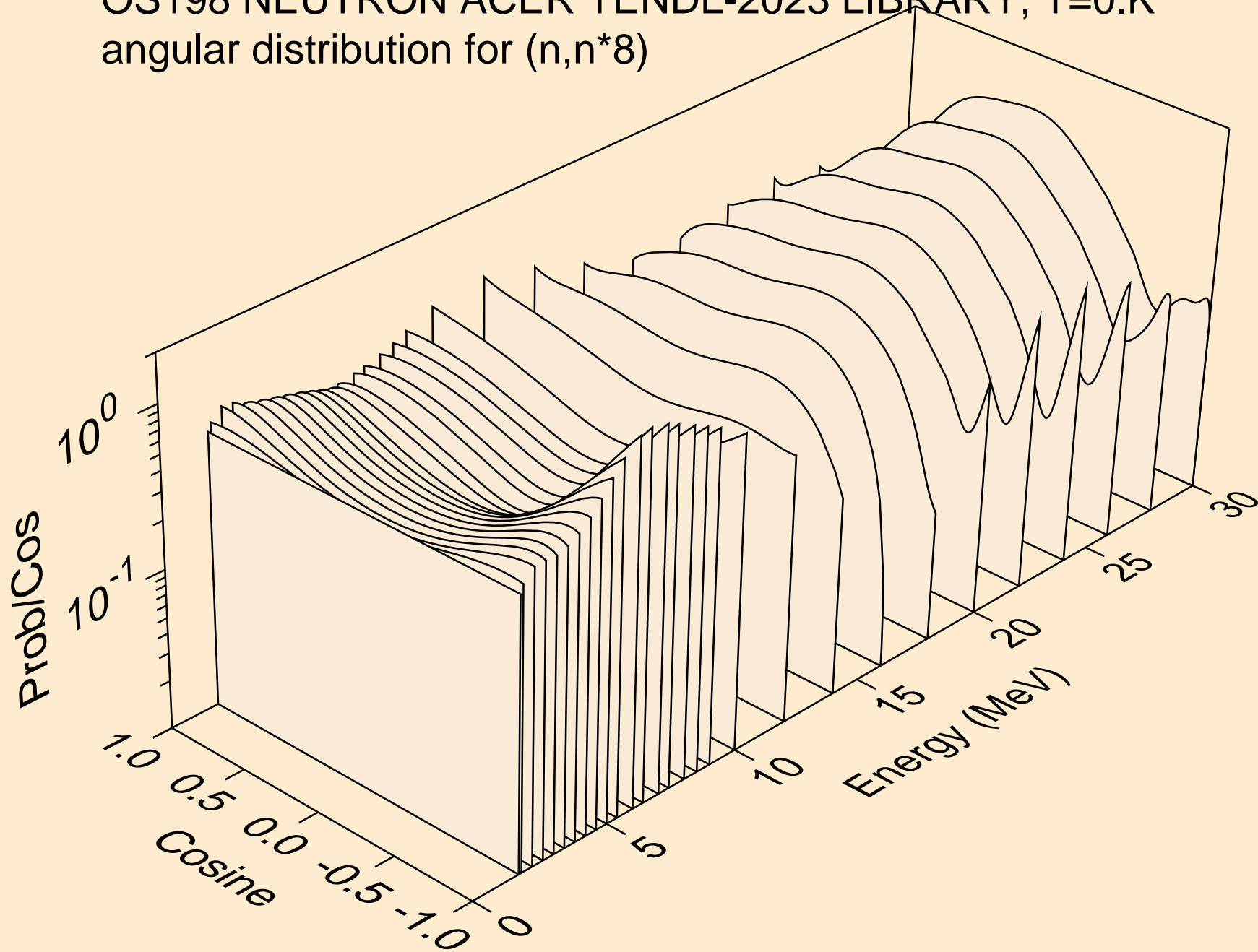
OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*6)



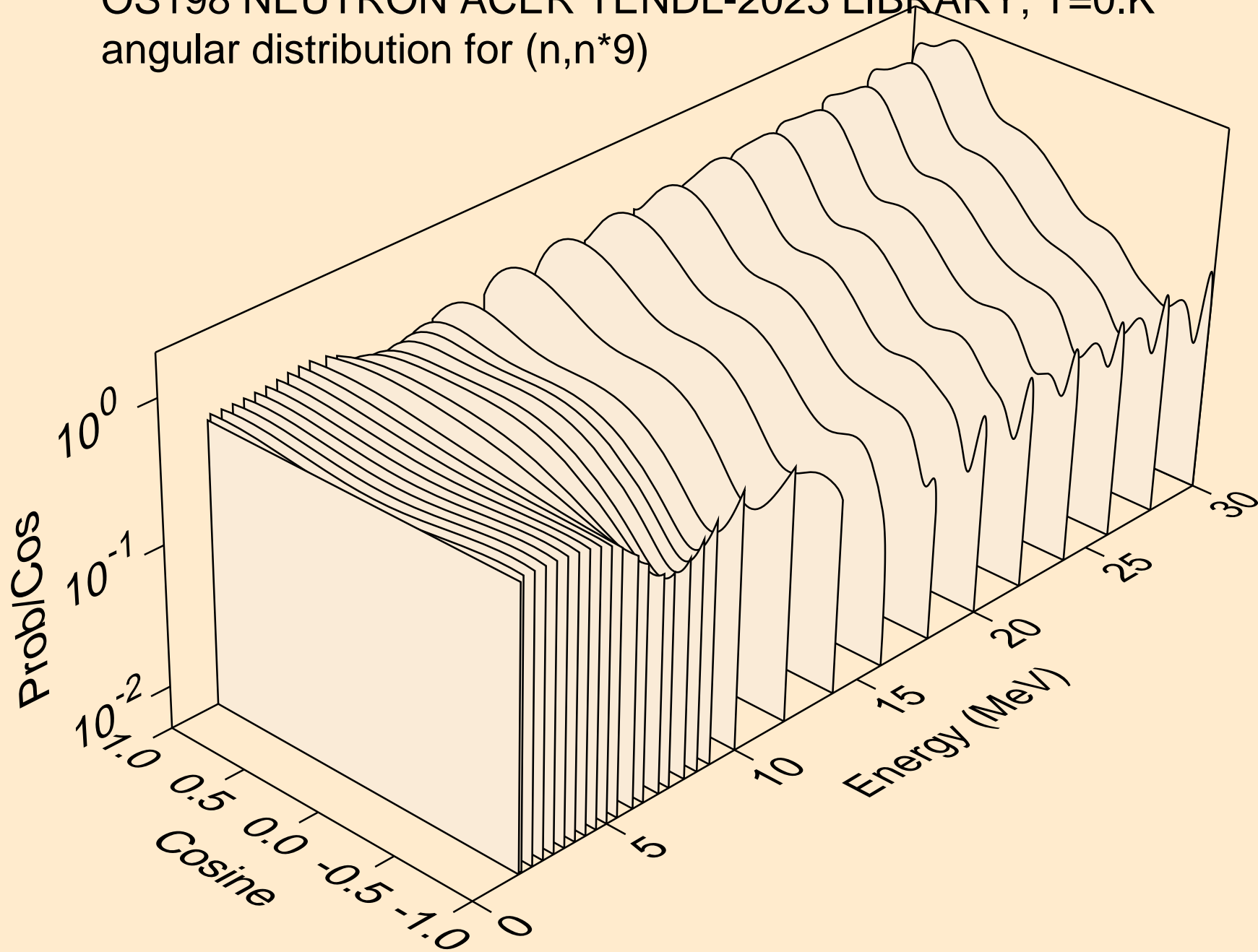
OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*7)



OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*8)

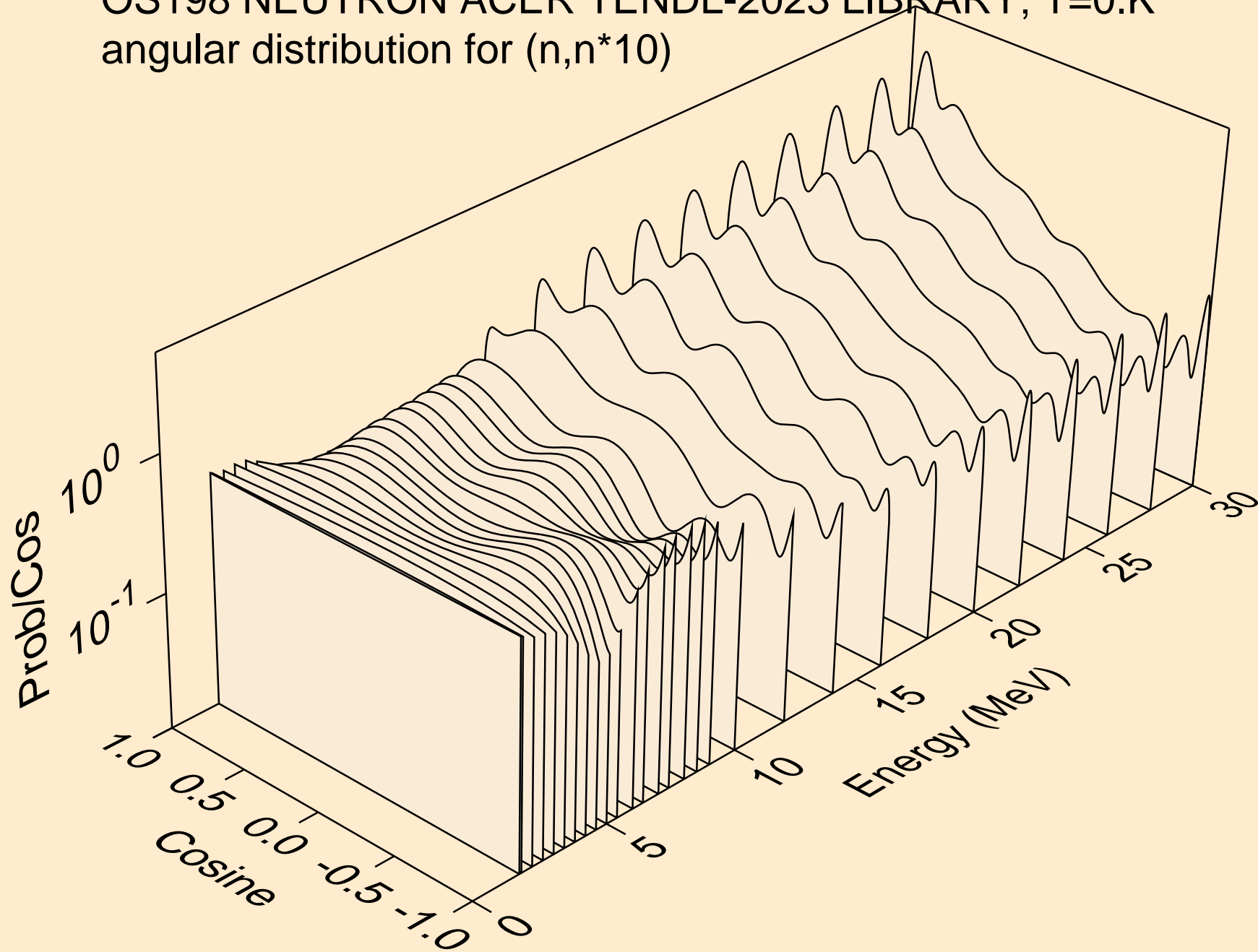


OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*9)

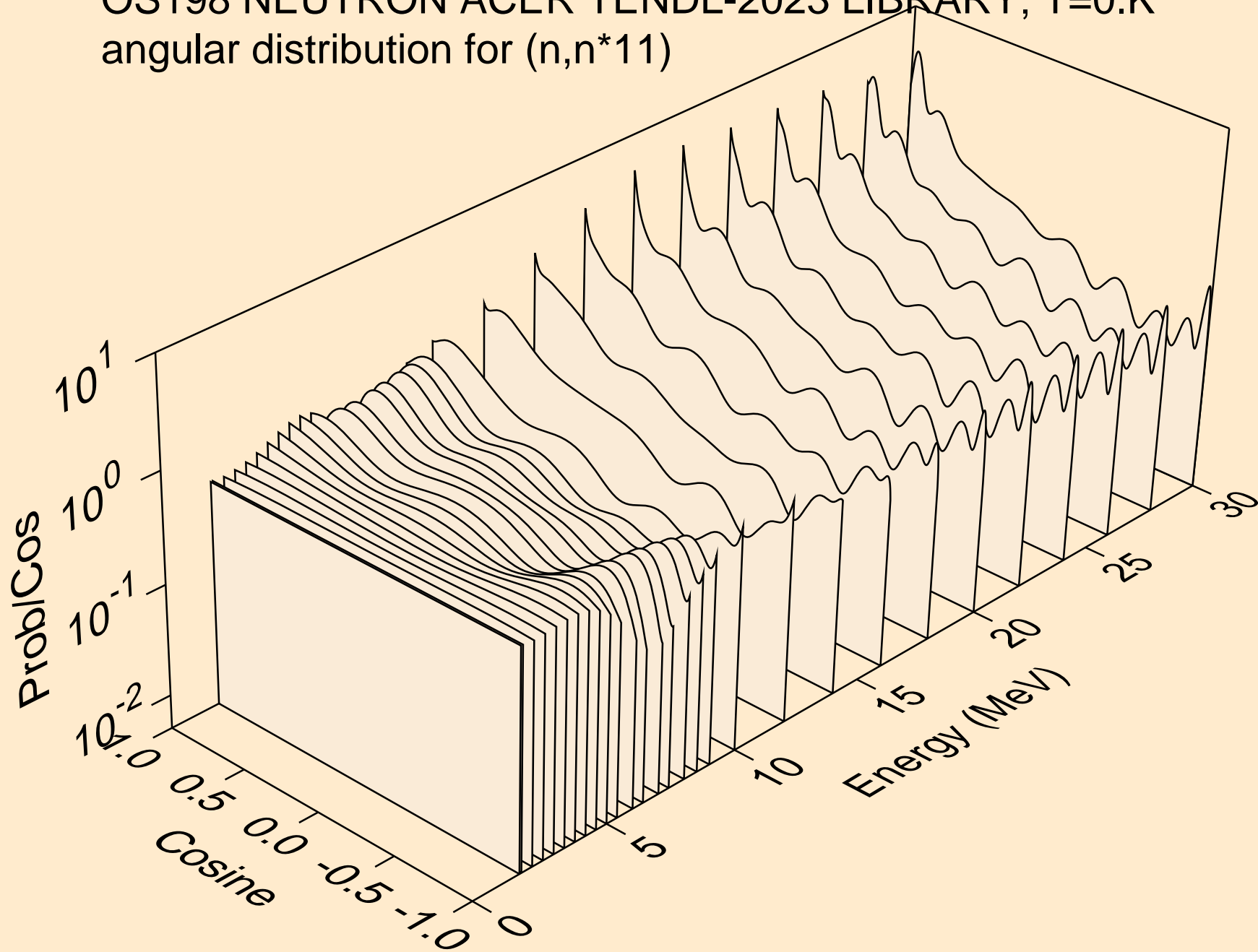




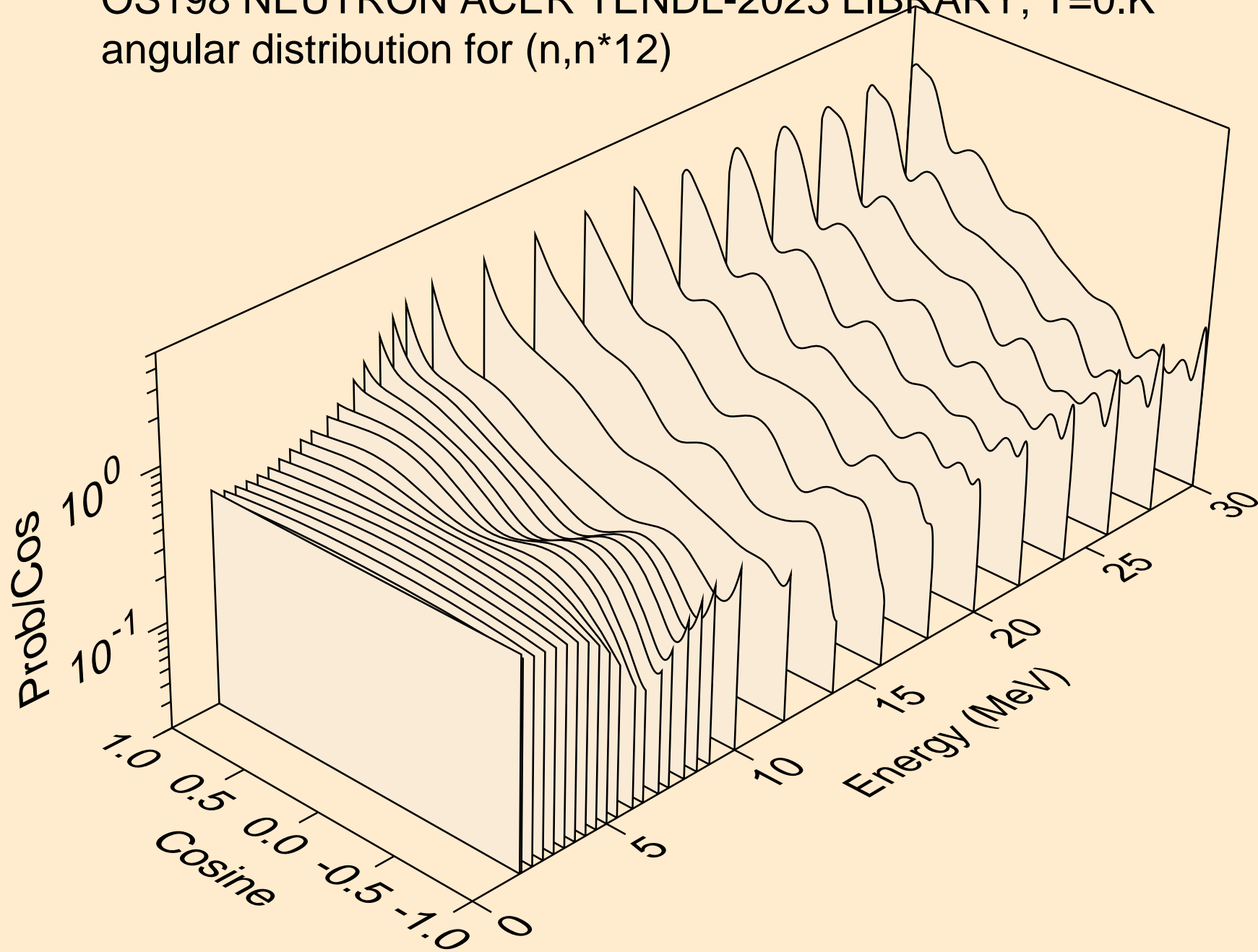
OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*10)



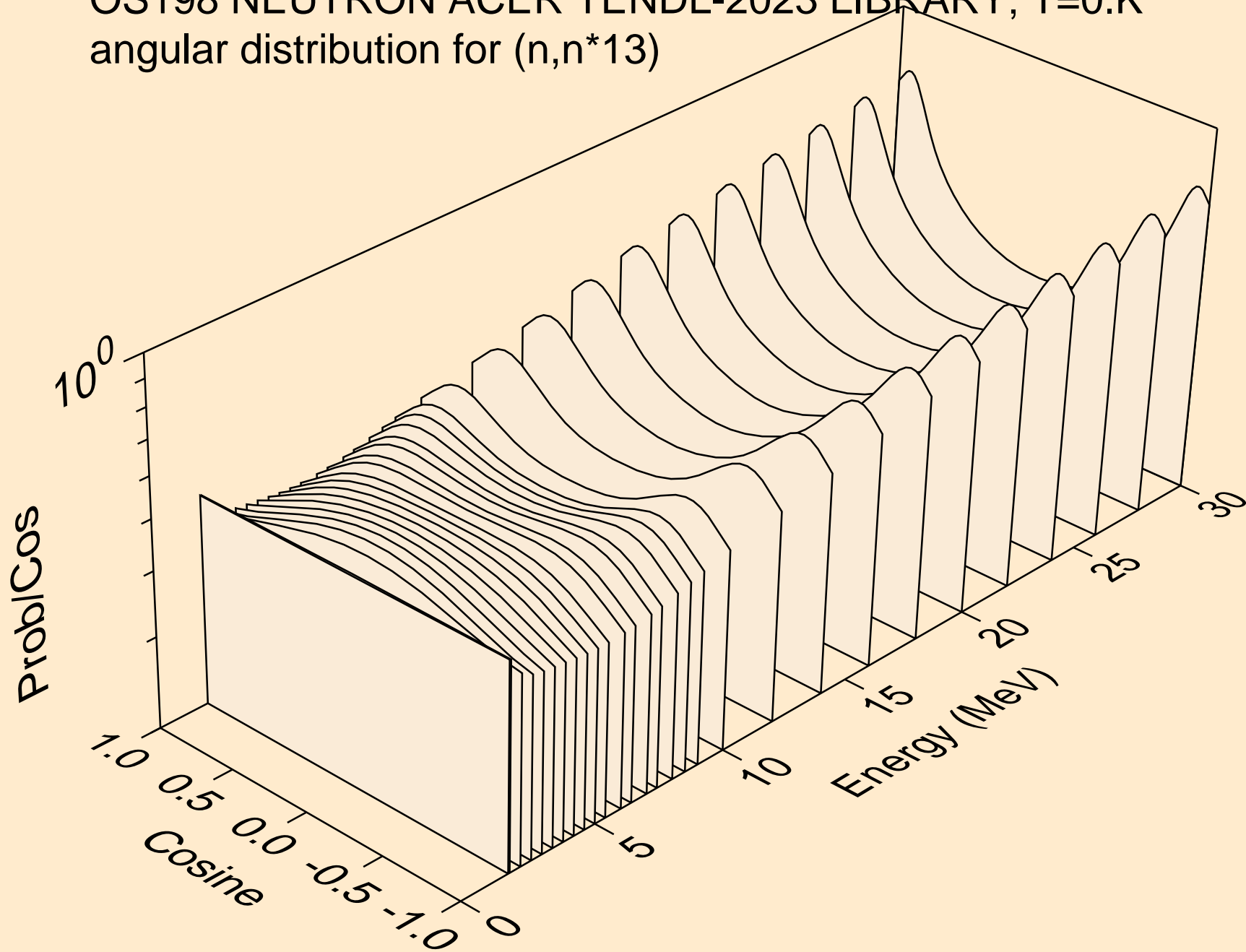
OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*11)



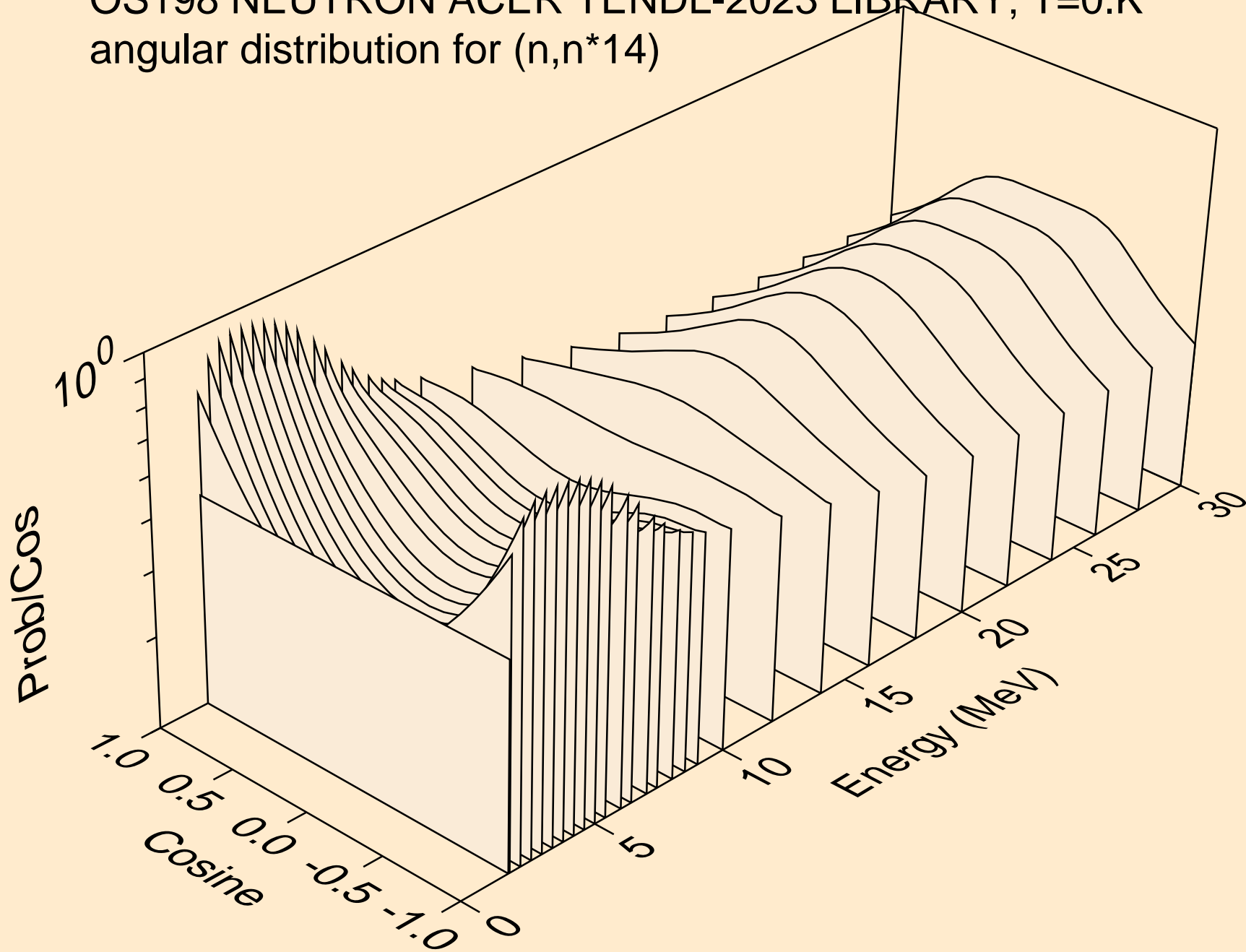
OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*12)



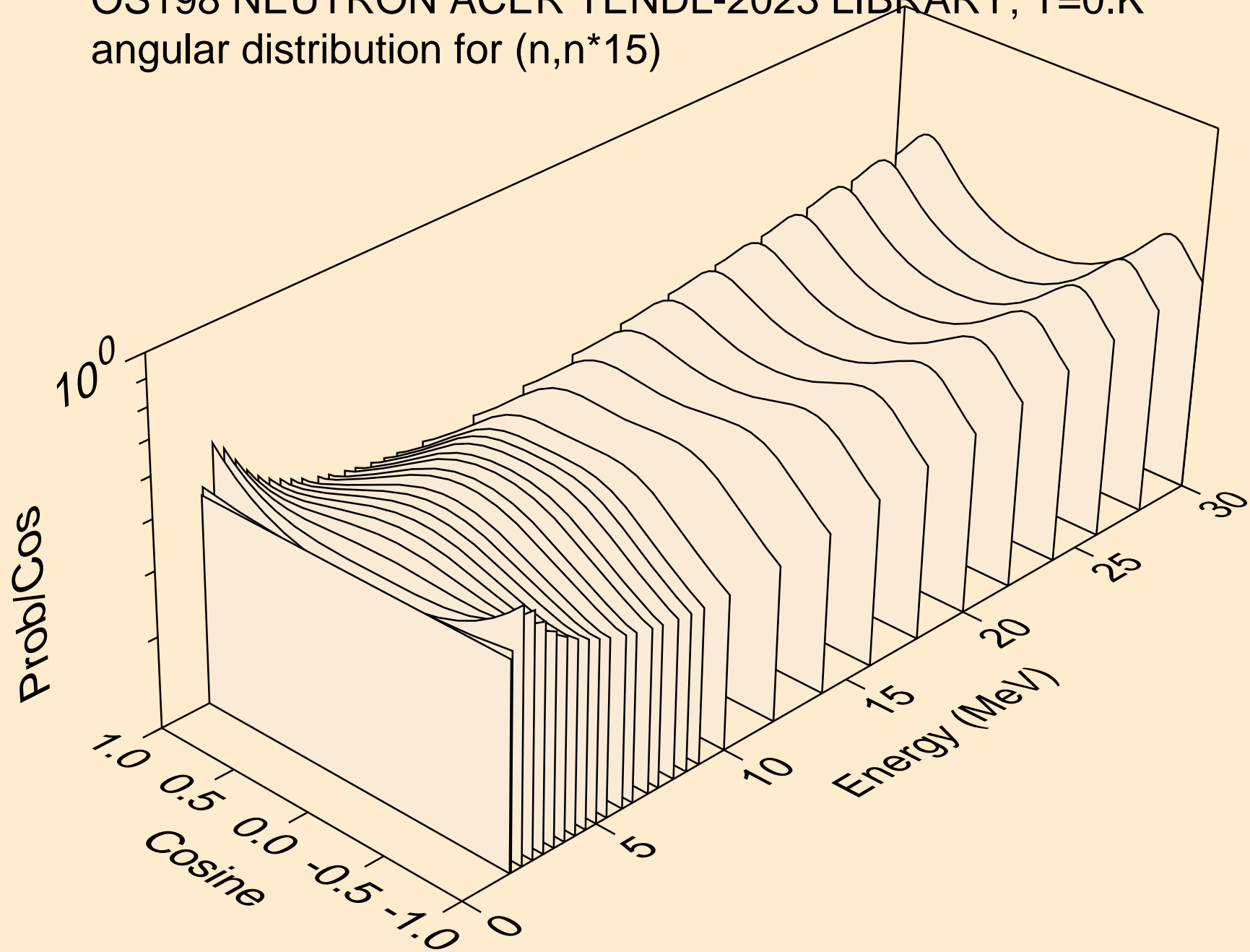
OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*13)



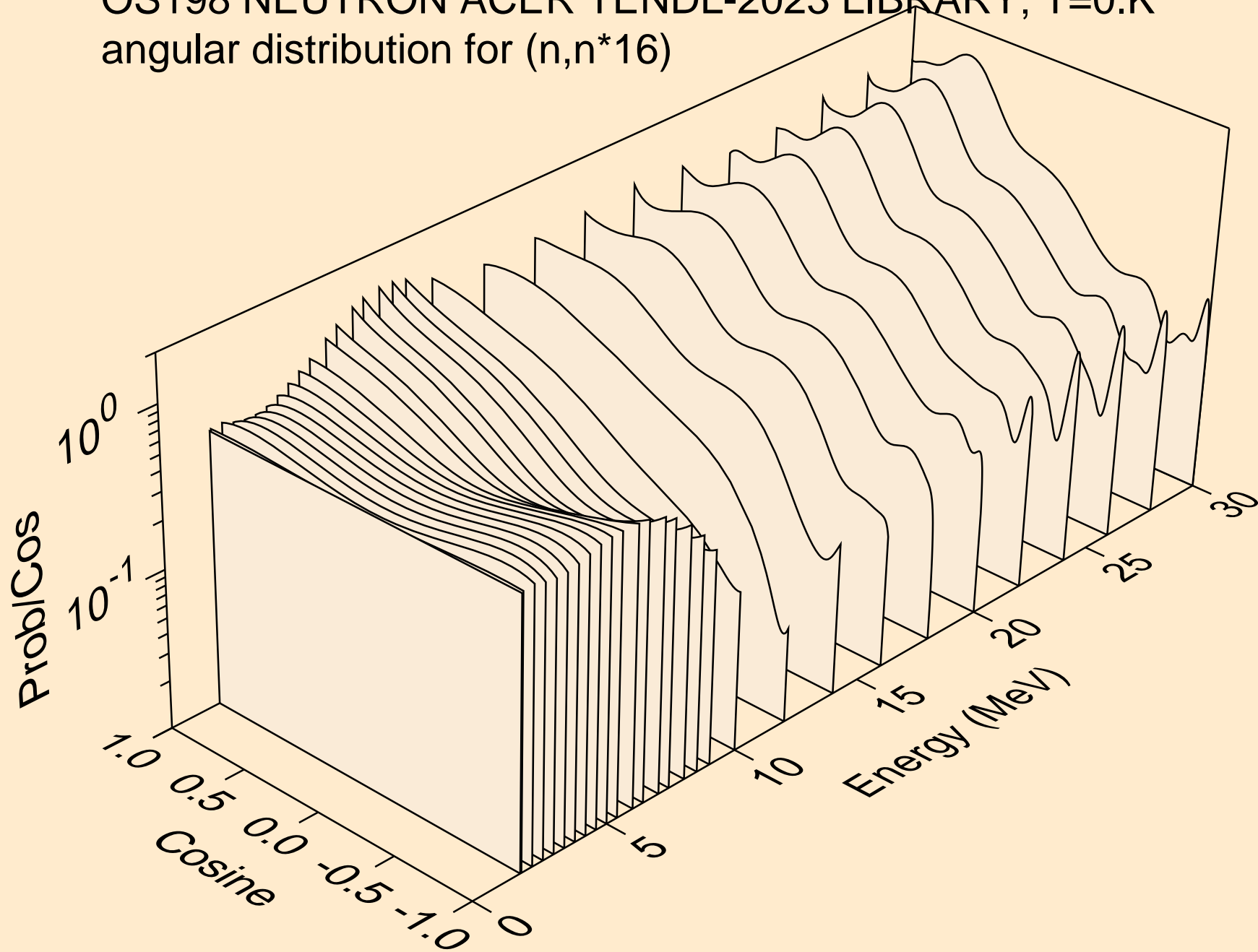
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angular distribution for (n,n\*14)



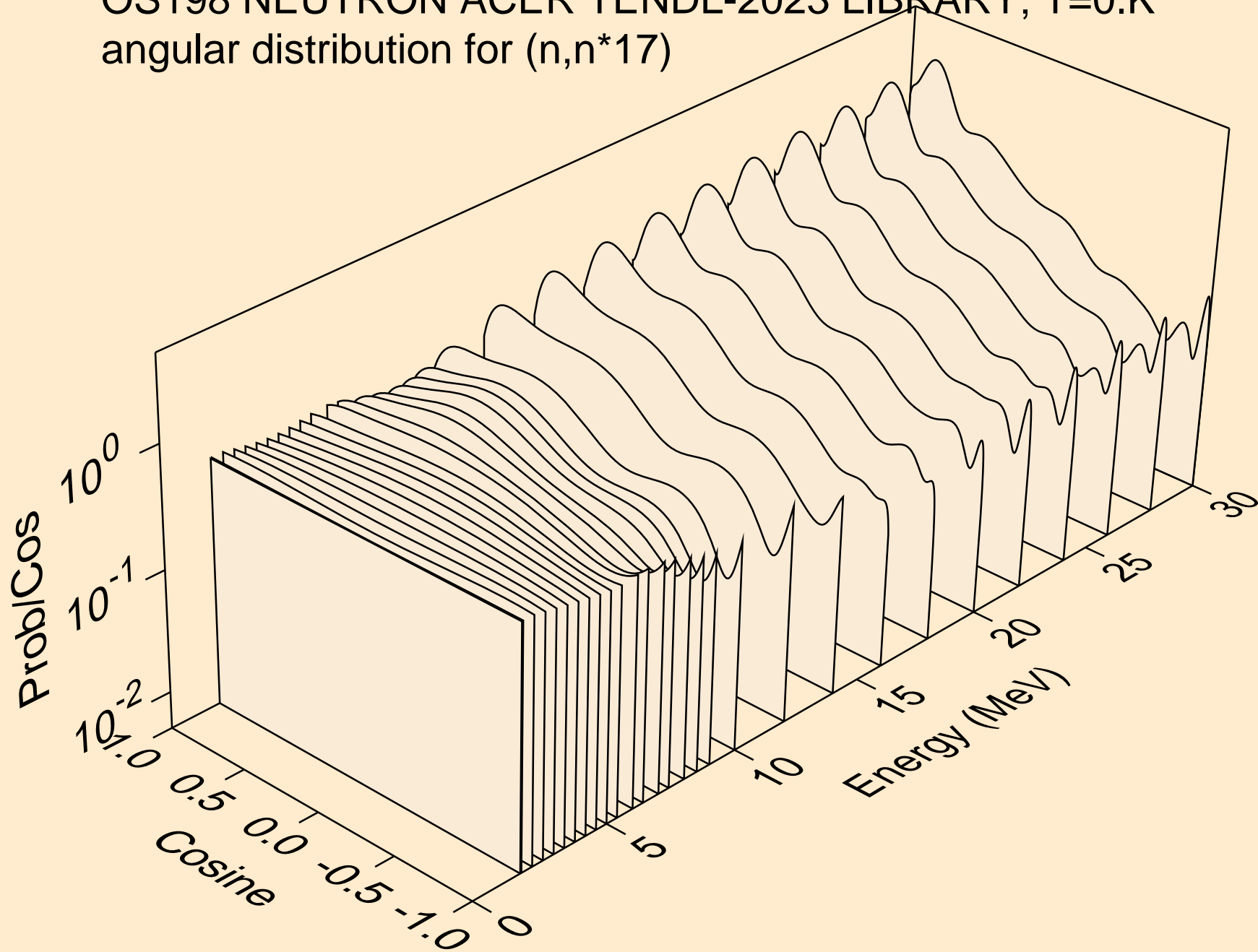
OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*15)



OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*16)

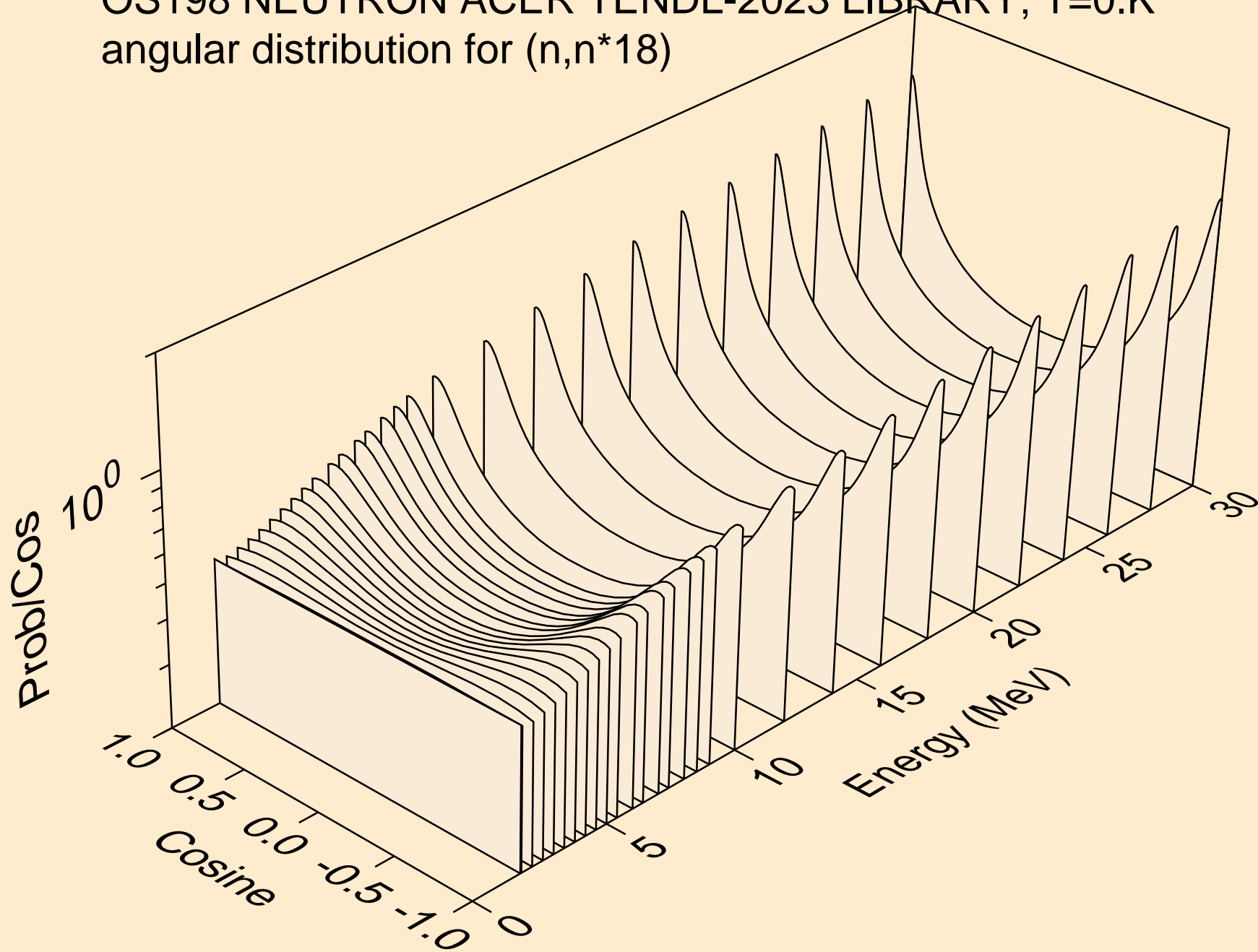


OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*17)

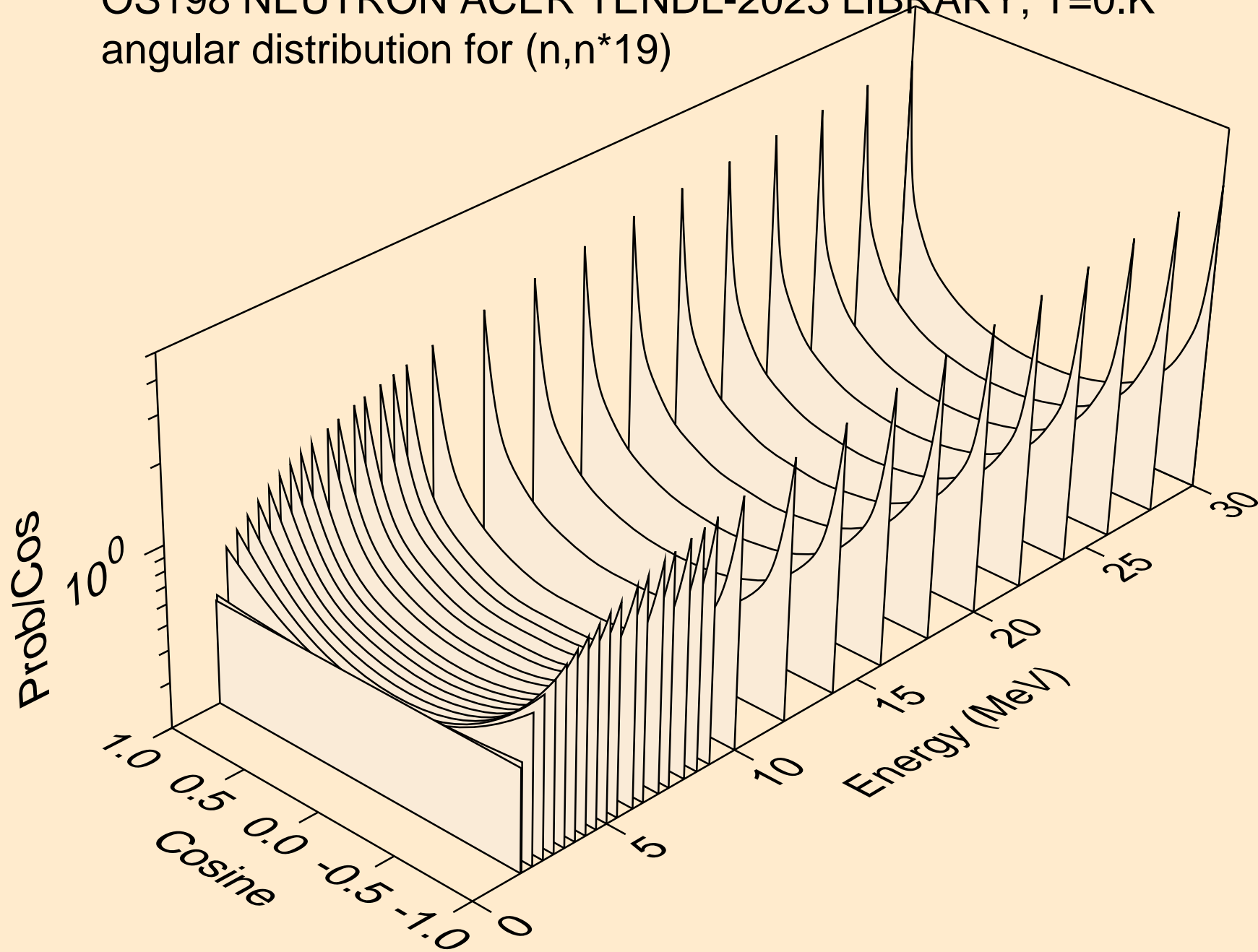




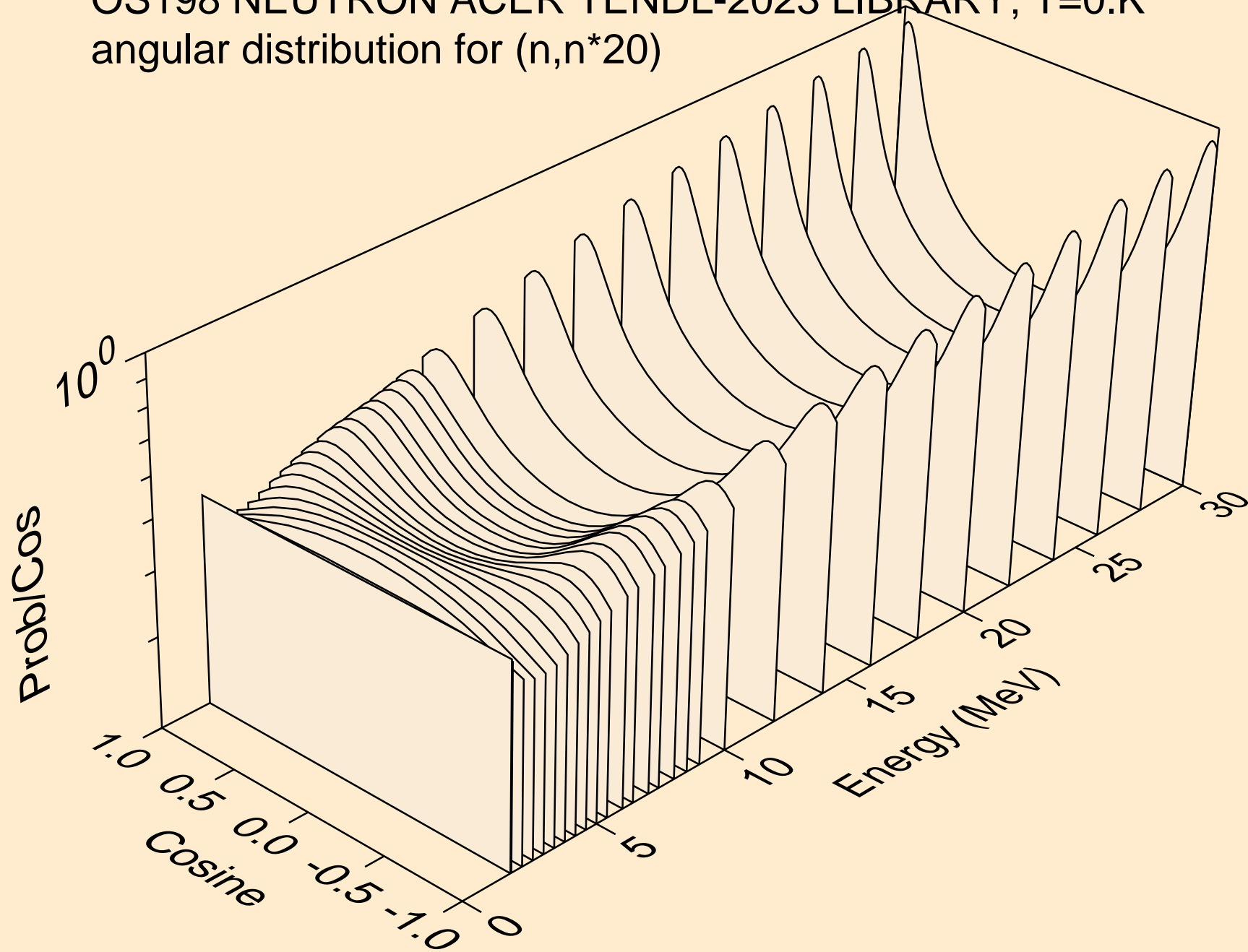
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angular distribution for (n,n\*18)



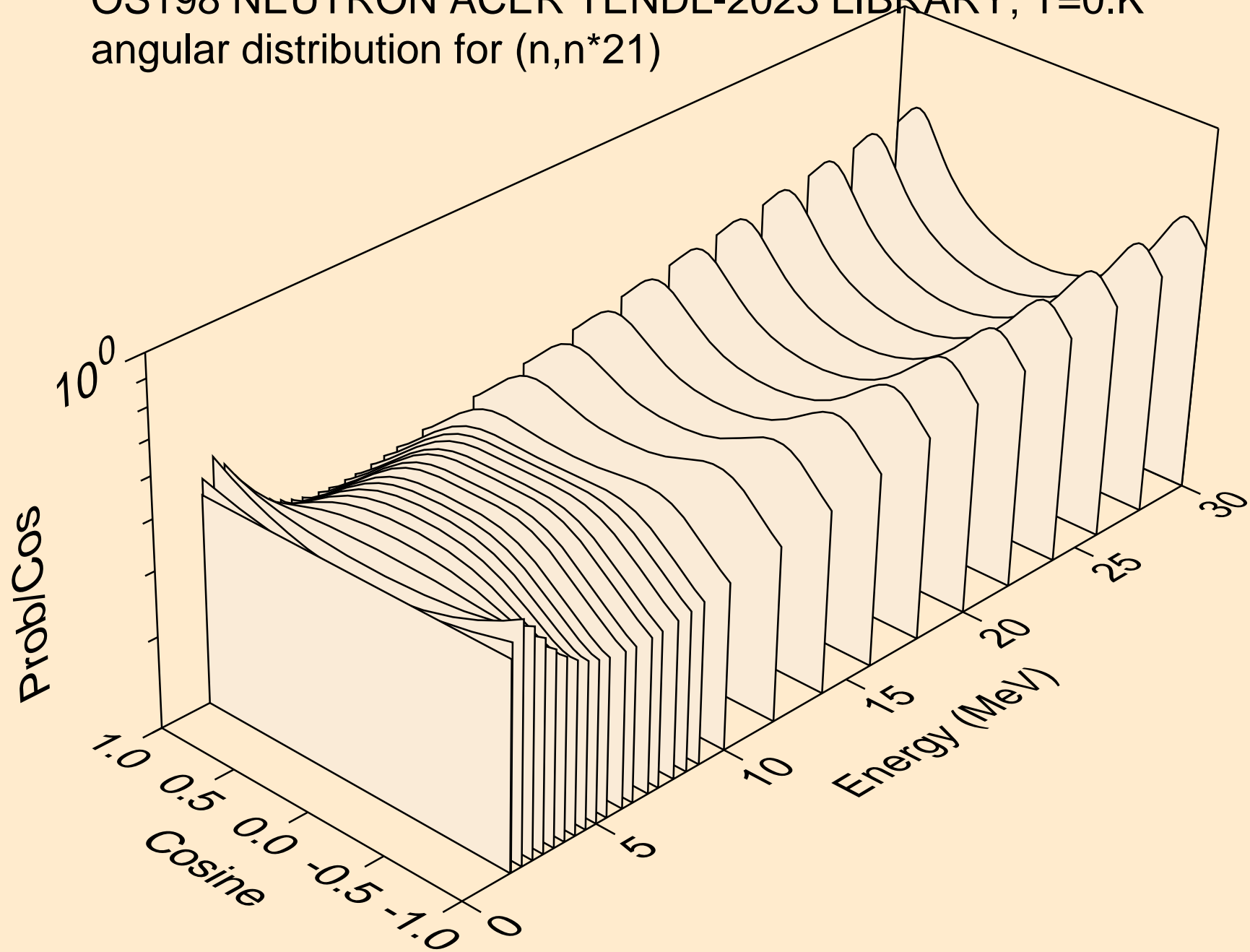
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angular distribution for (n,n\*19)



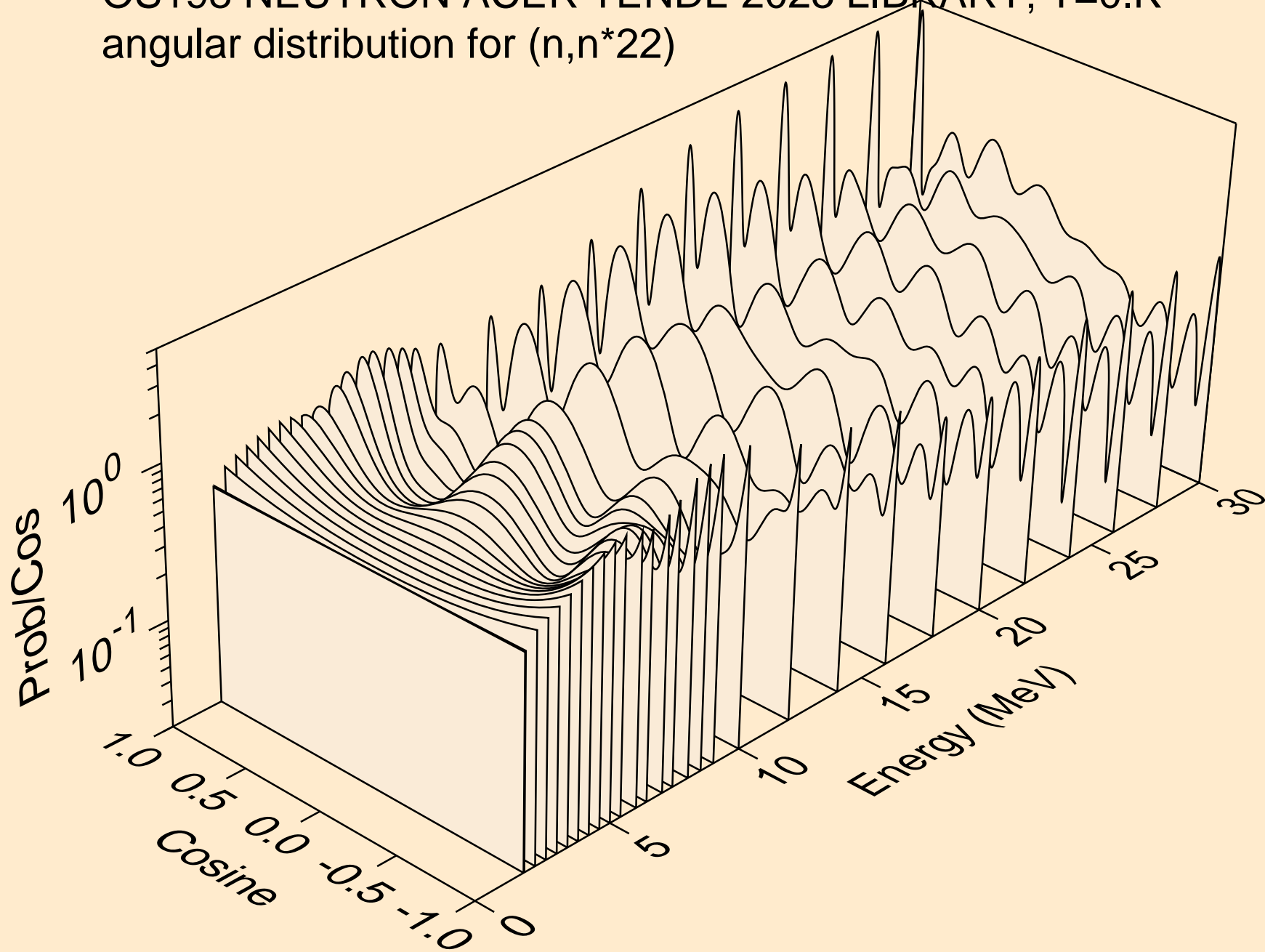
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angular distribution for (n,n\*20)



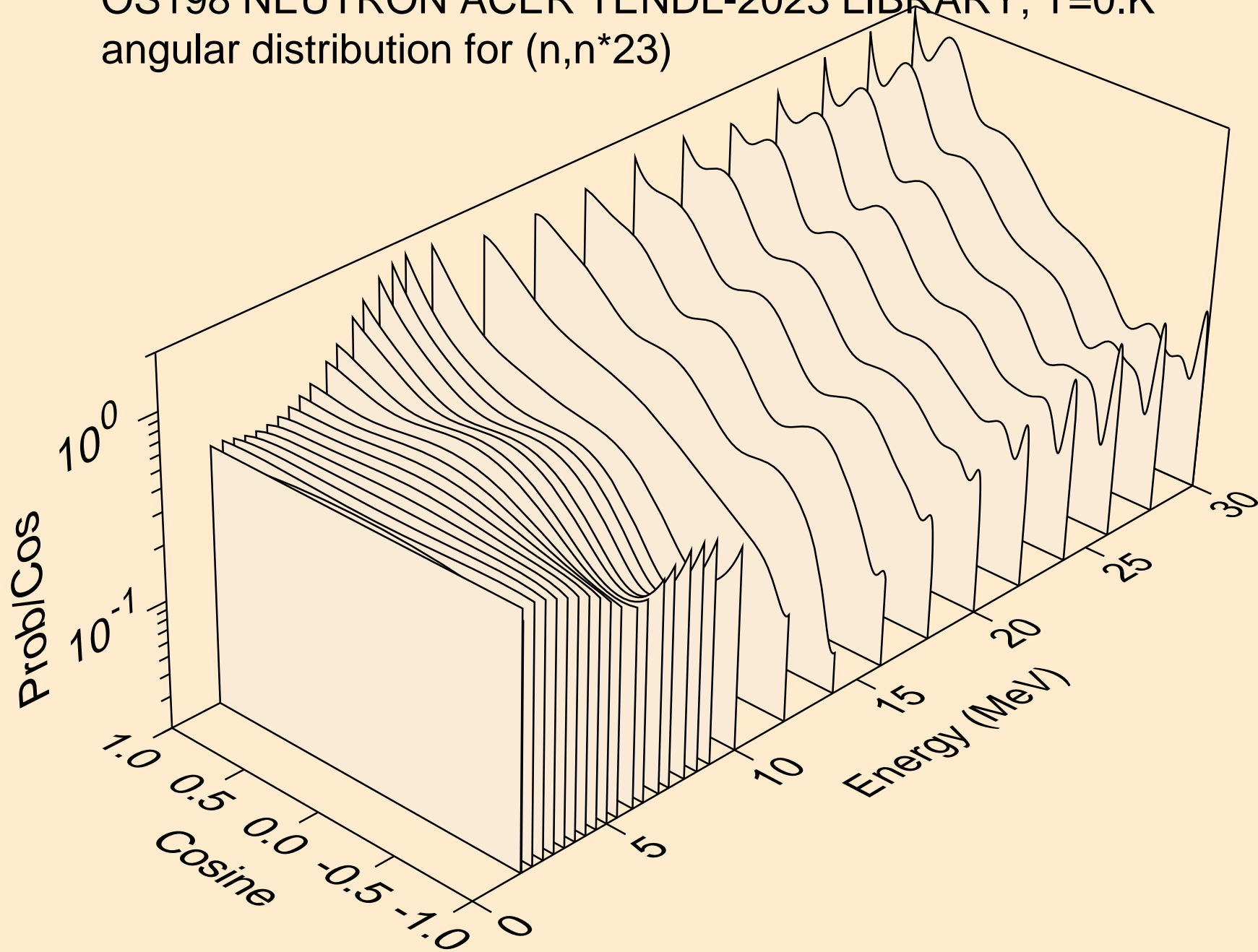
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angular distribution for (n,n\*21)



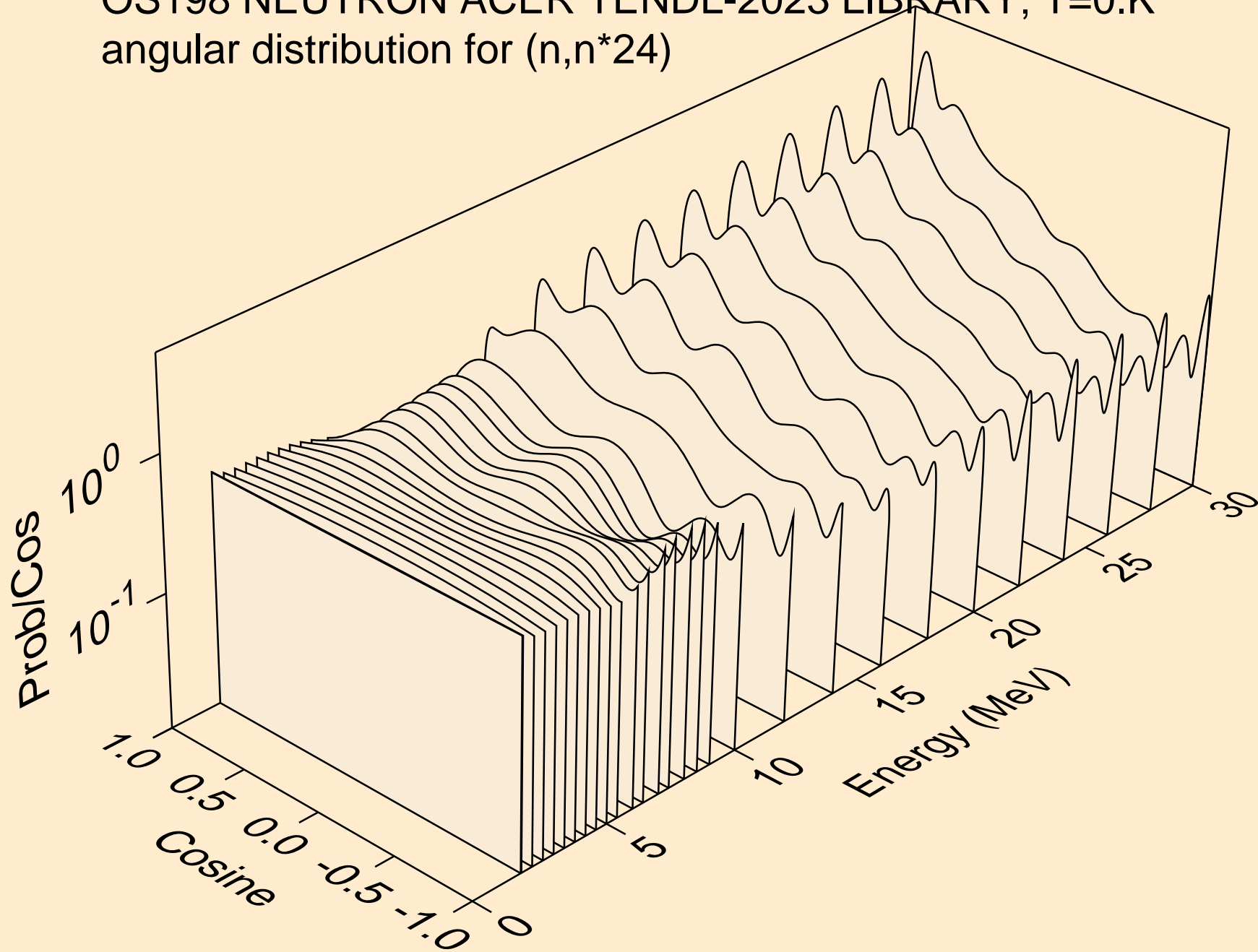
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angular distribution for (n,n\*22)



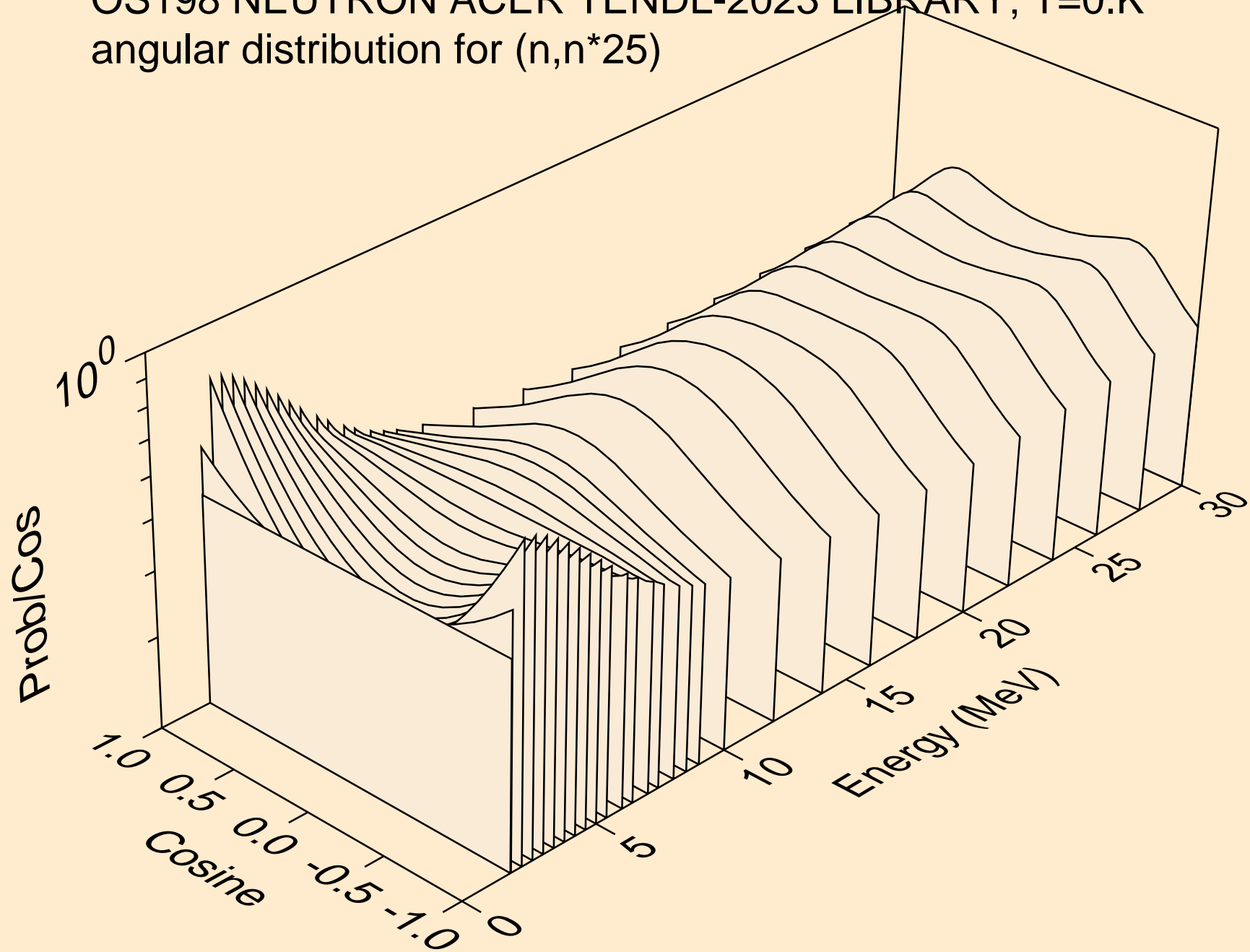
OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*23)



OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*24)

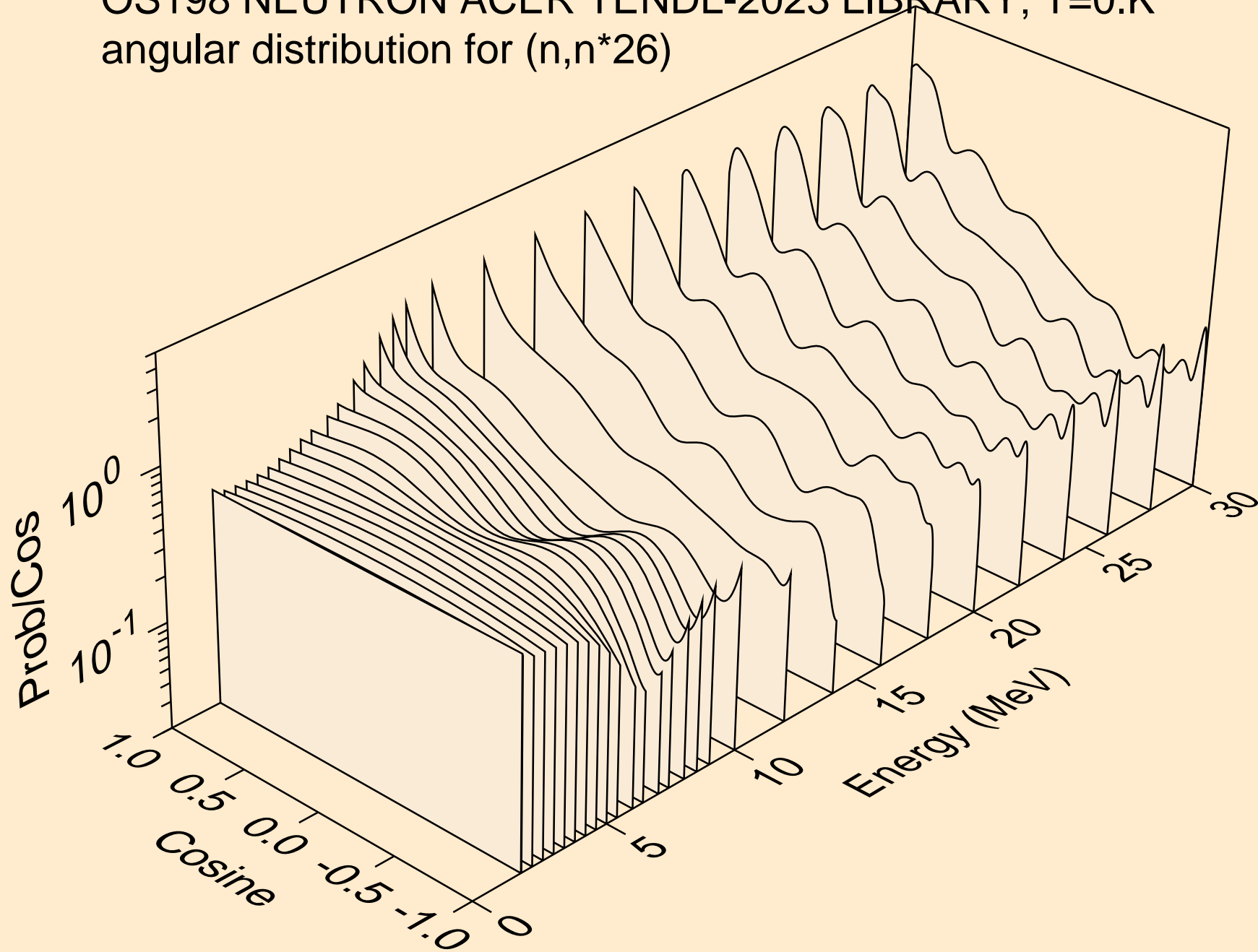


OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*25)

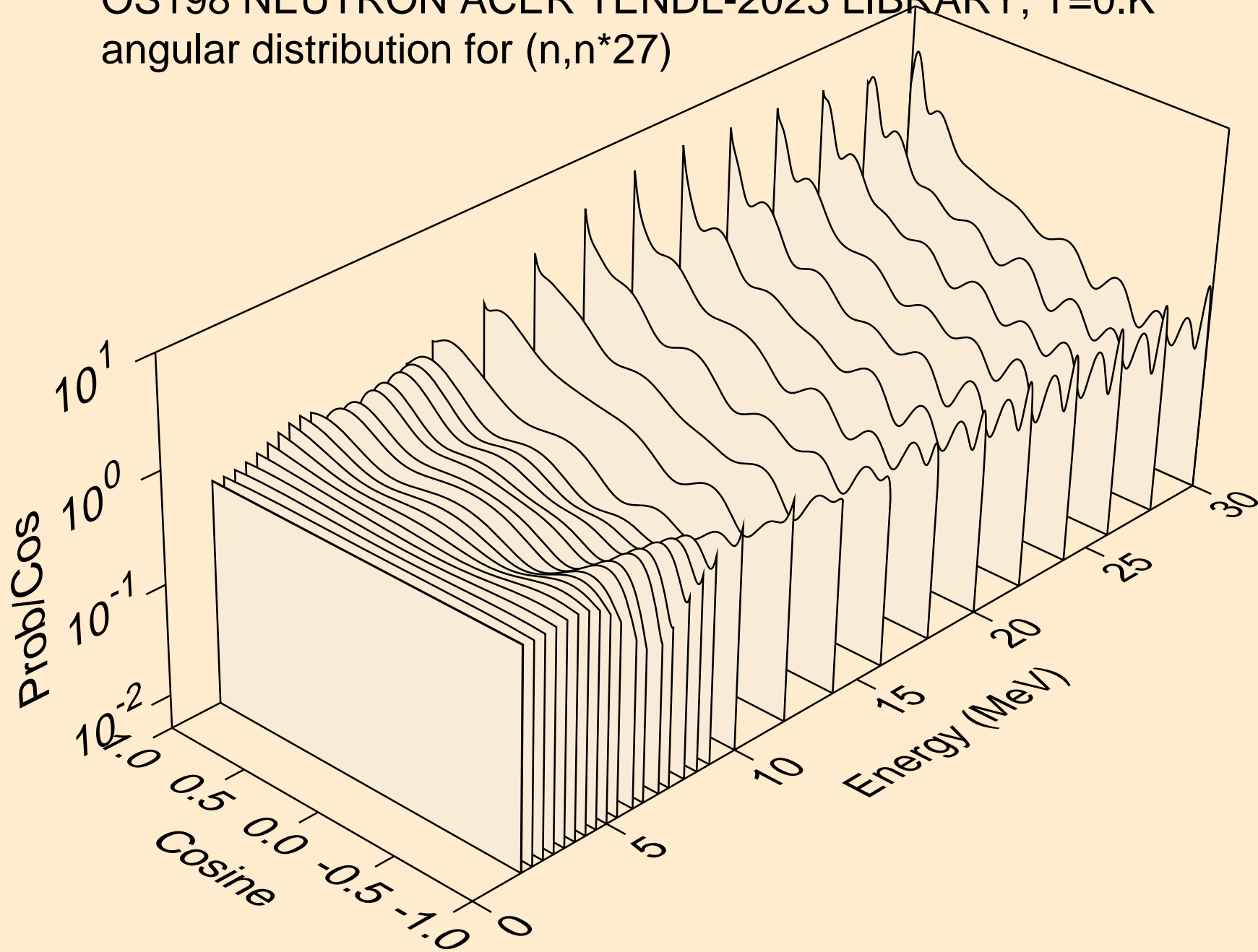




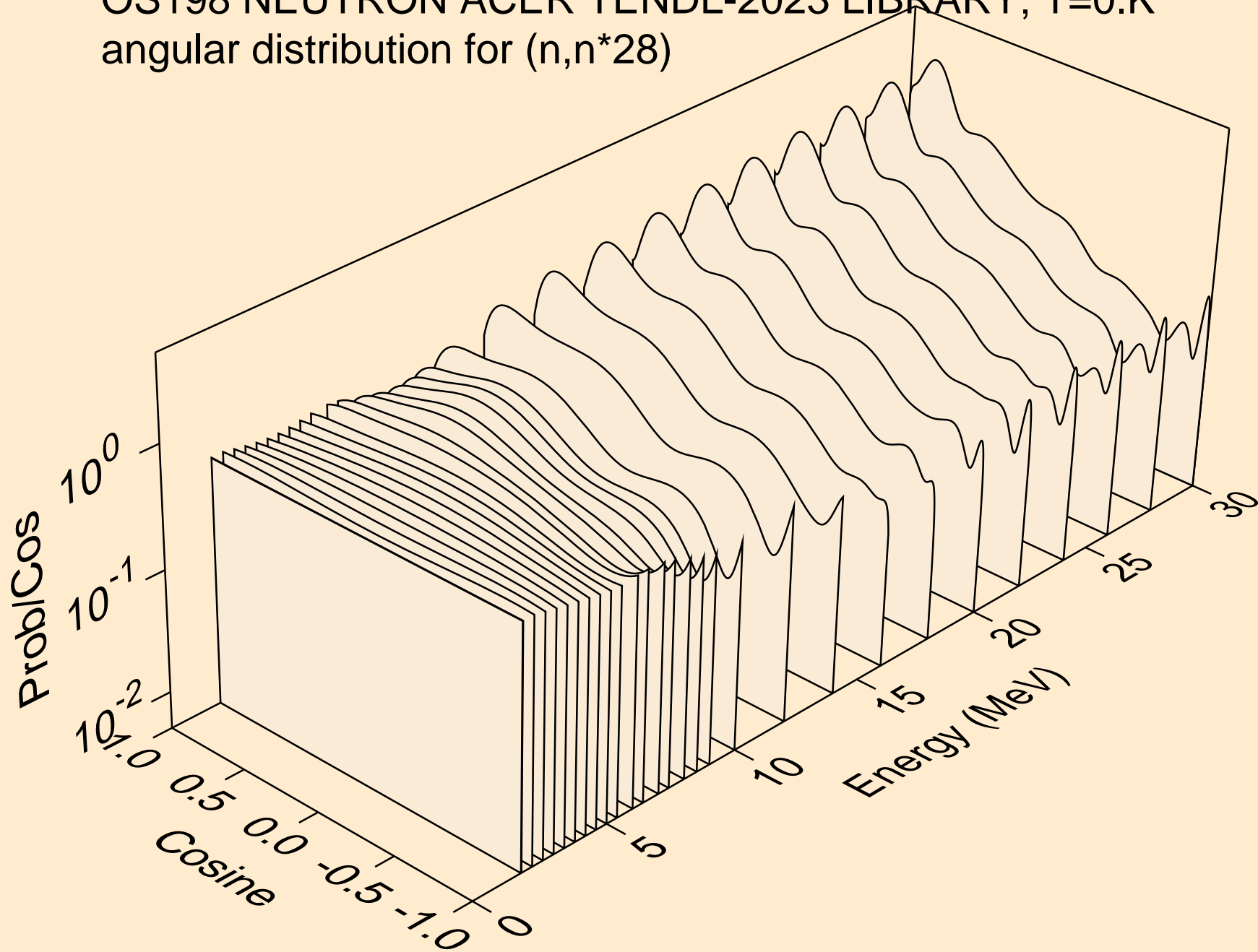
OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*26)



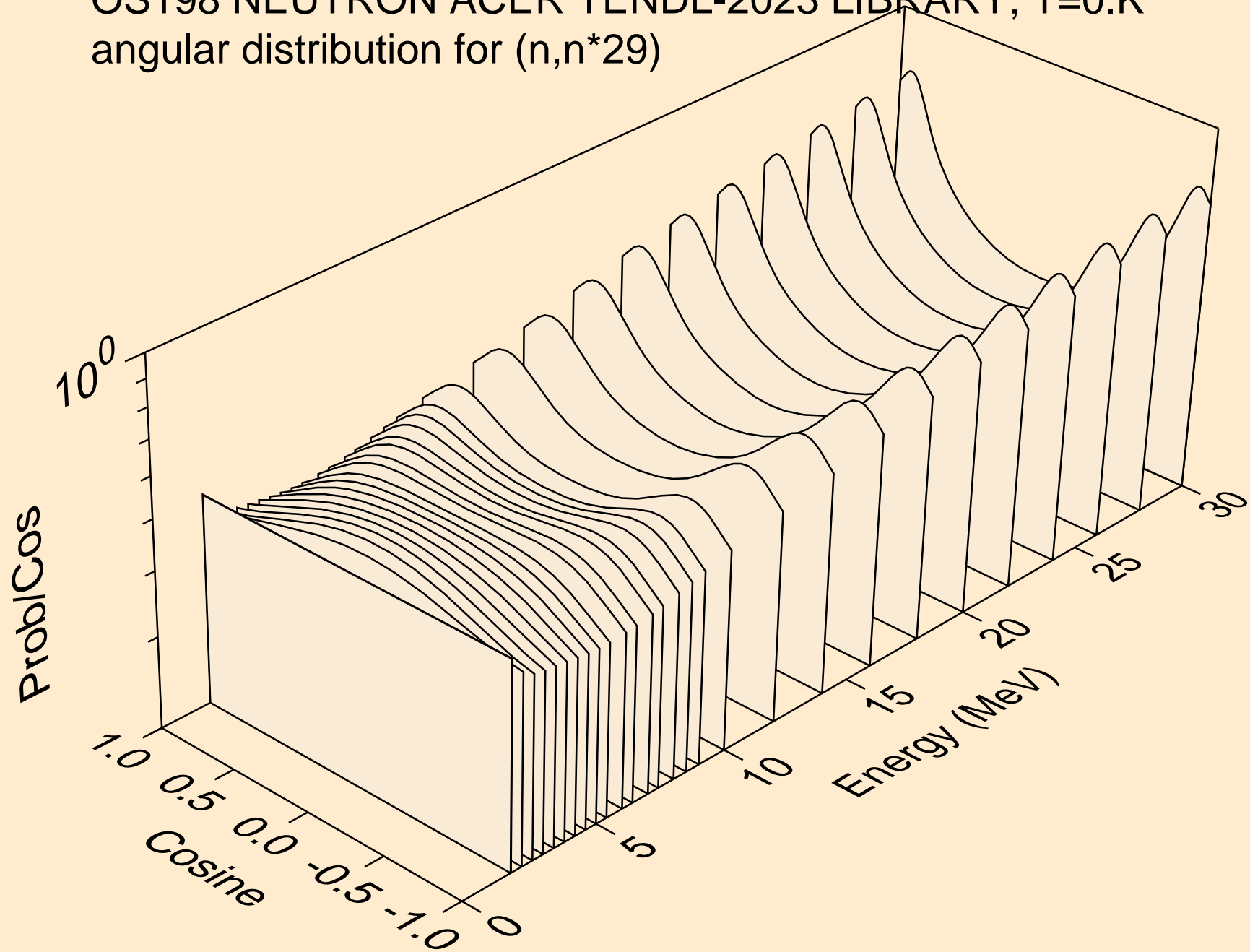
OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*27)



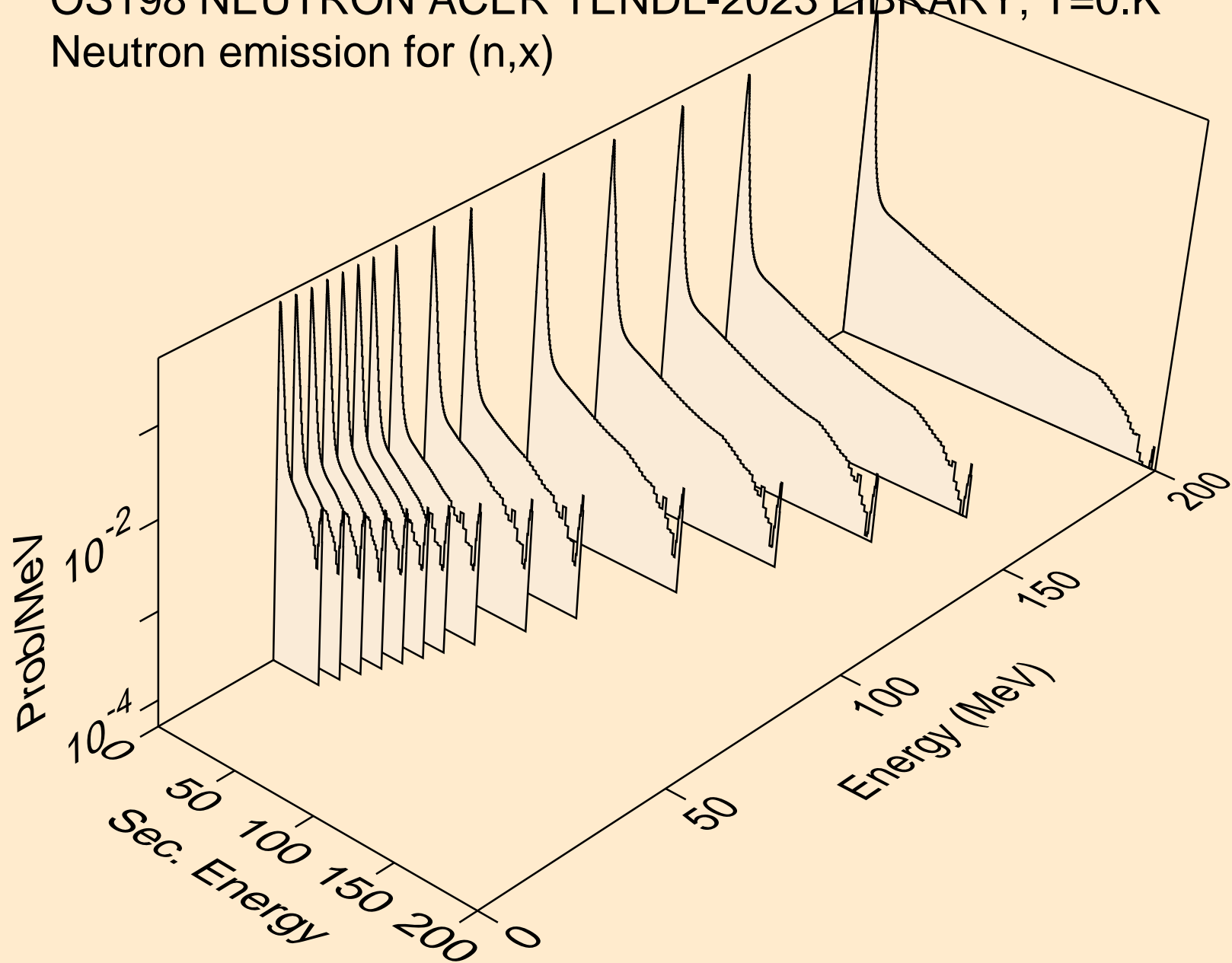
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angular distribution for (n,n\*28)



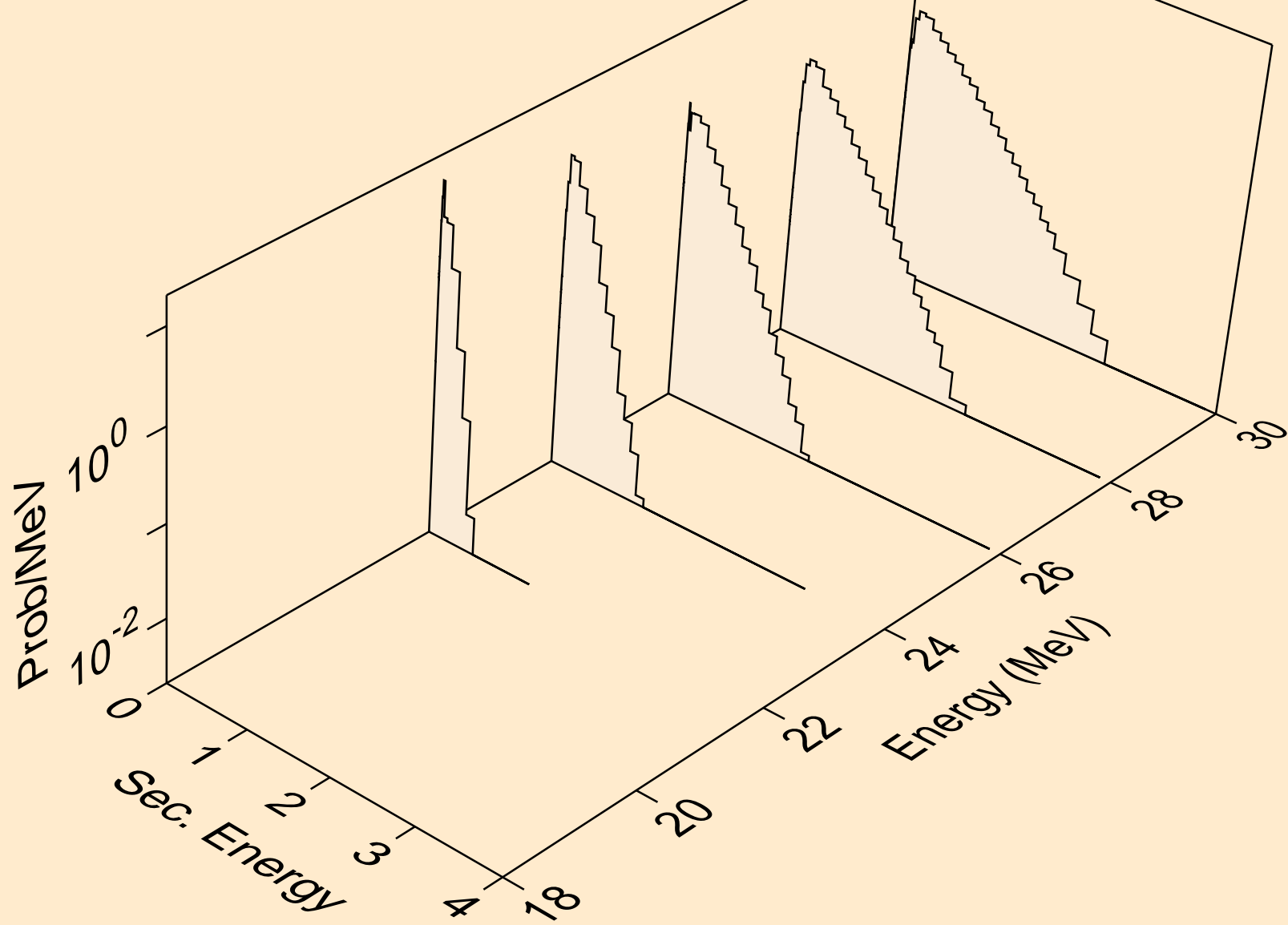
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angular distribution for (n,n\*29)



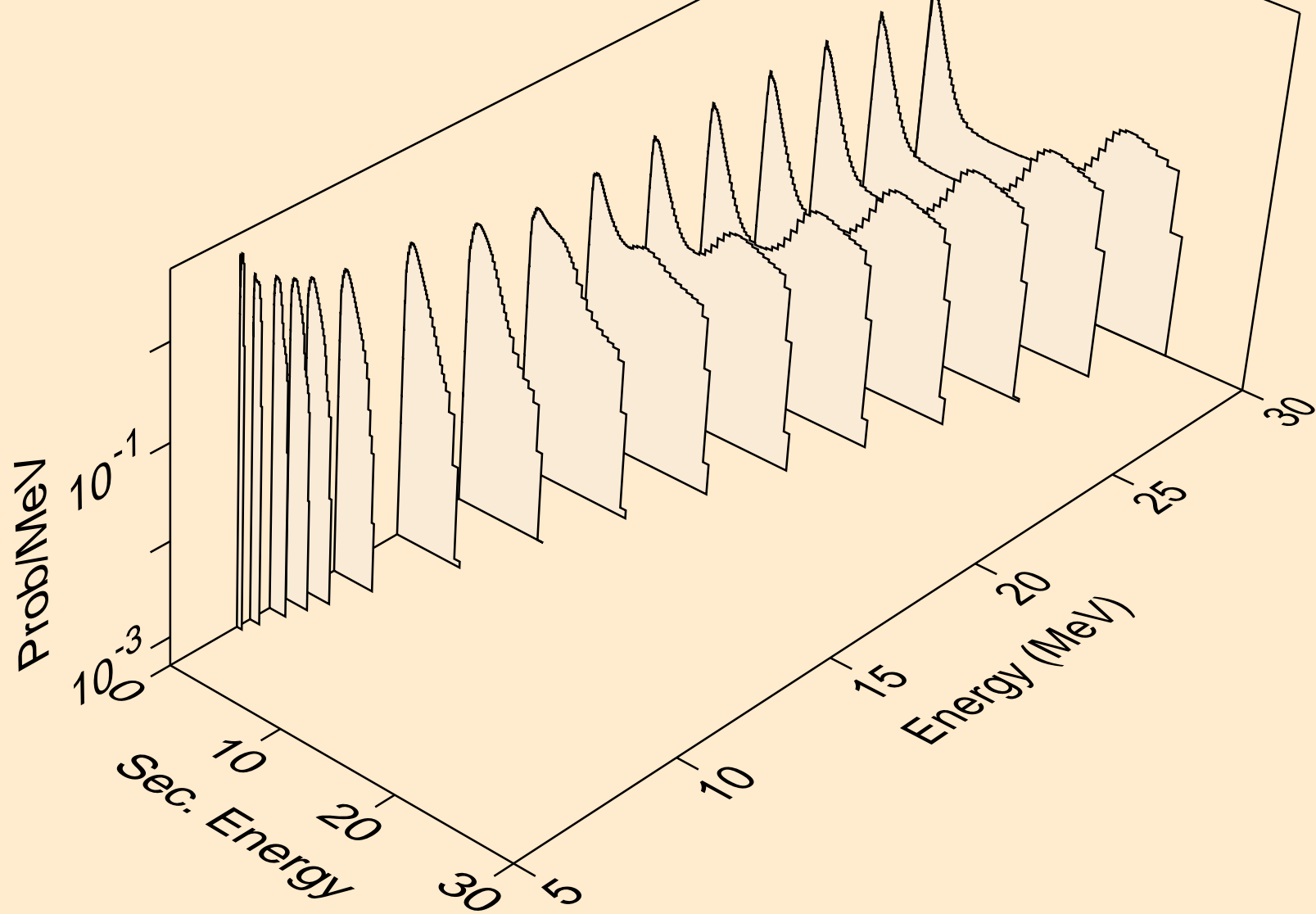
OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,x)



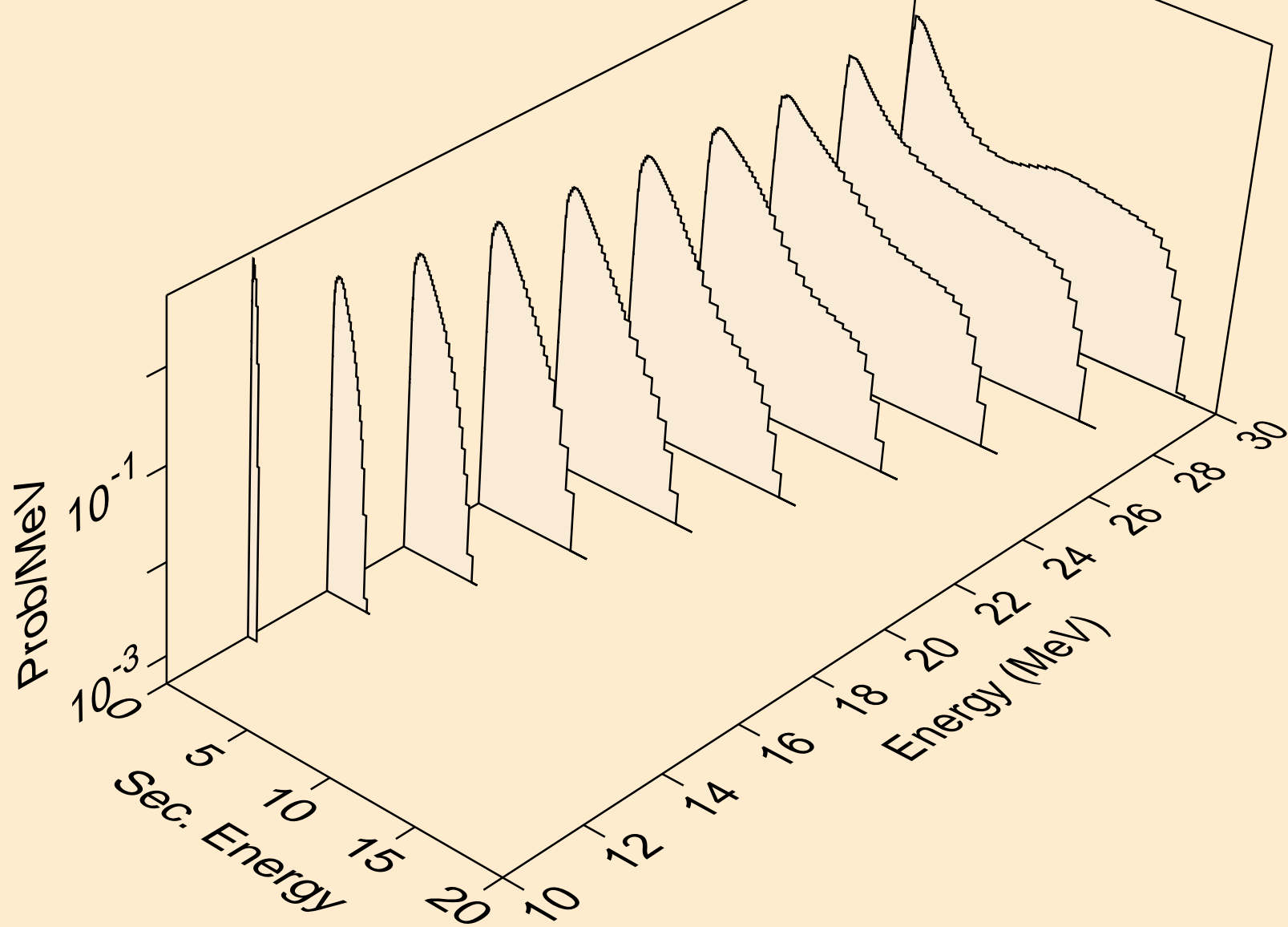
OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)

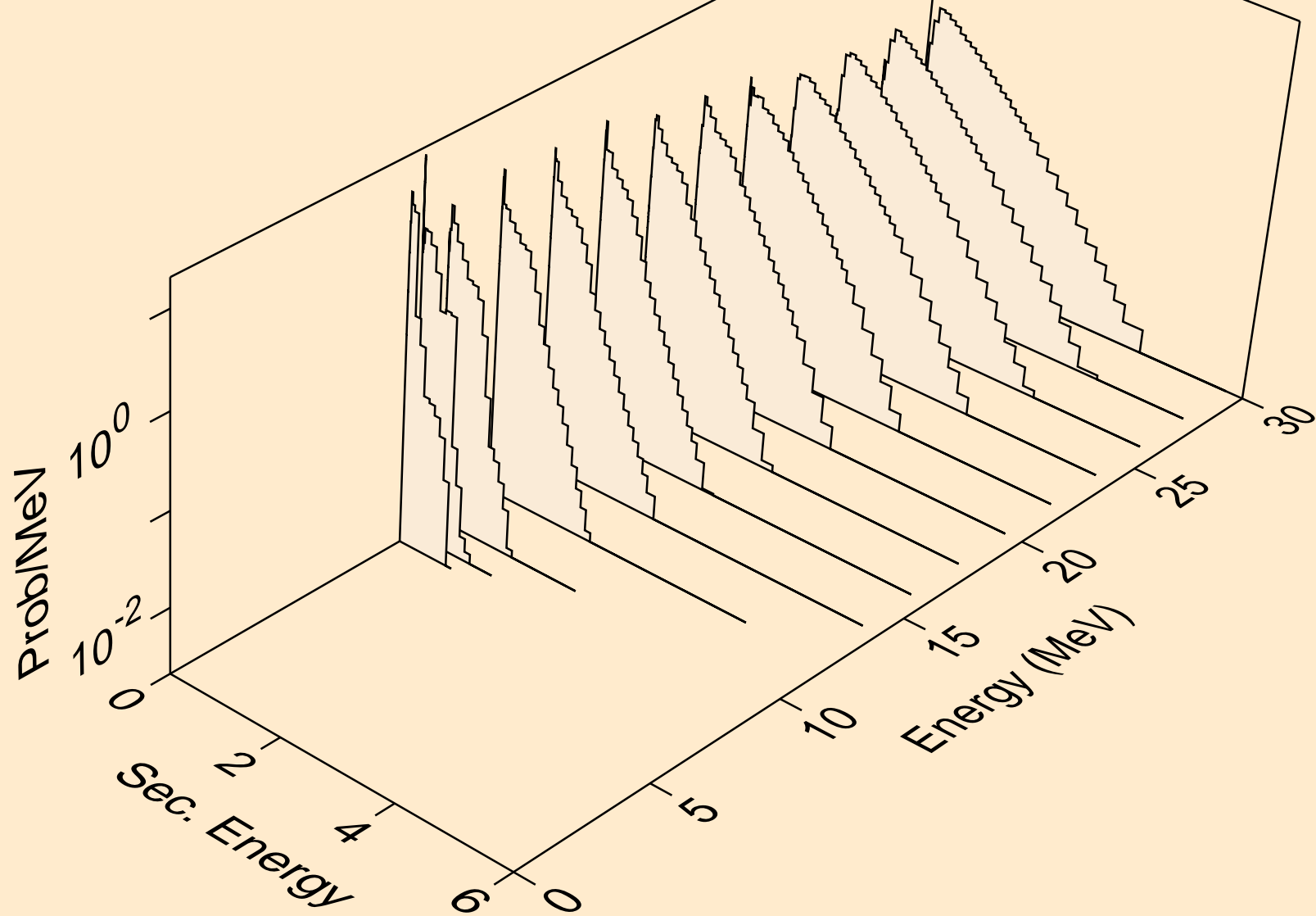


OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)

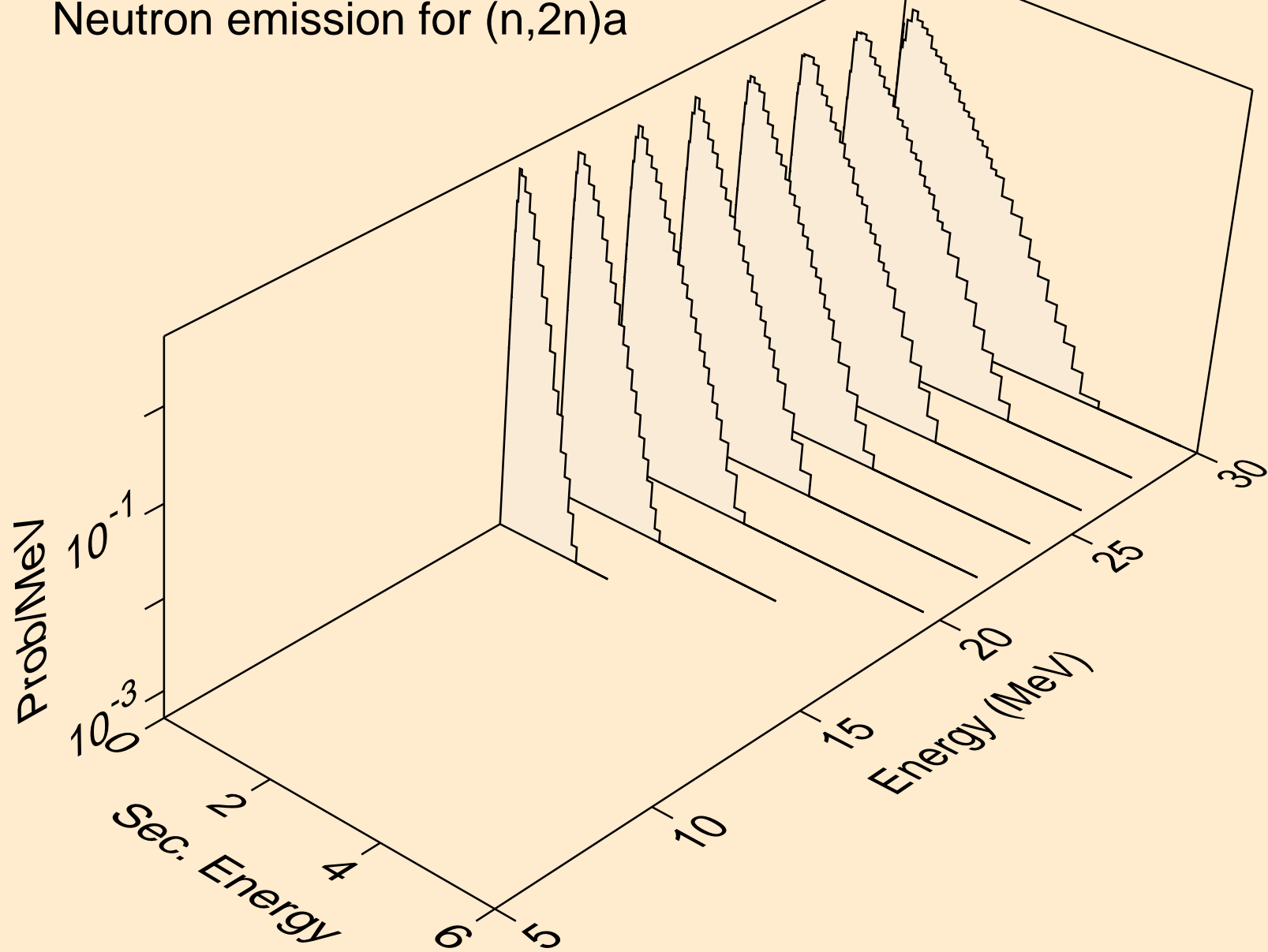




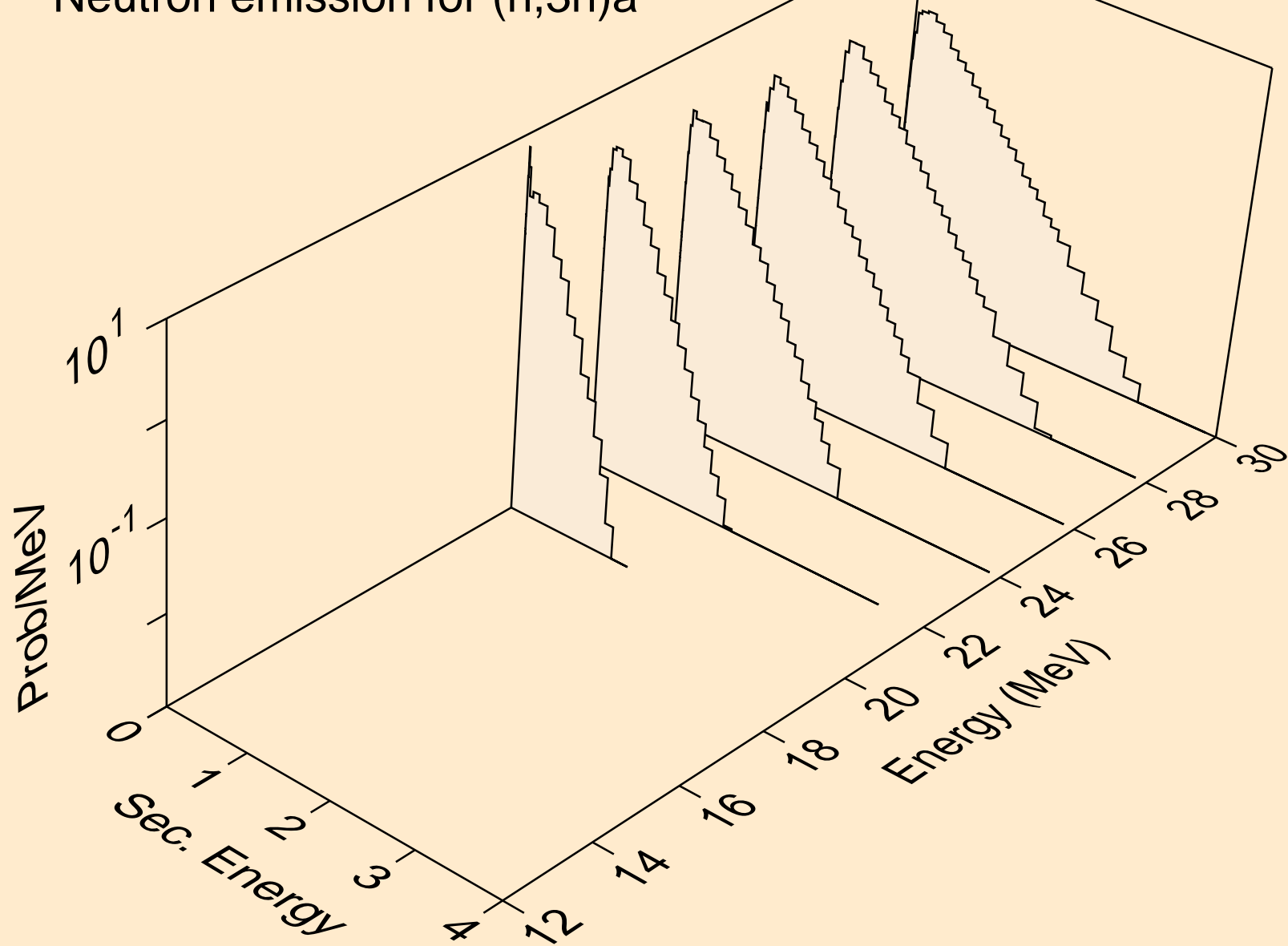
OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



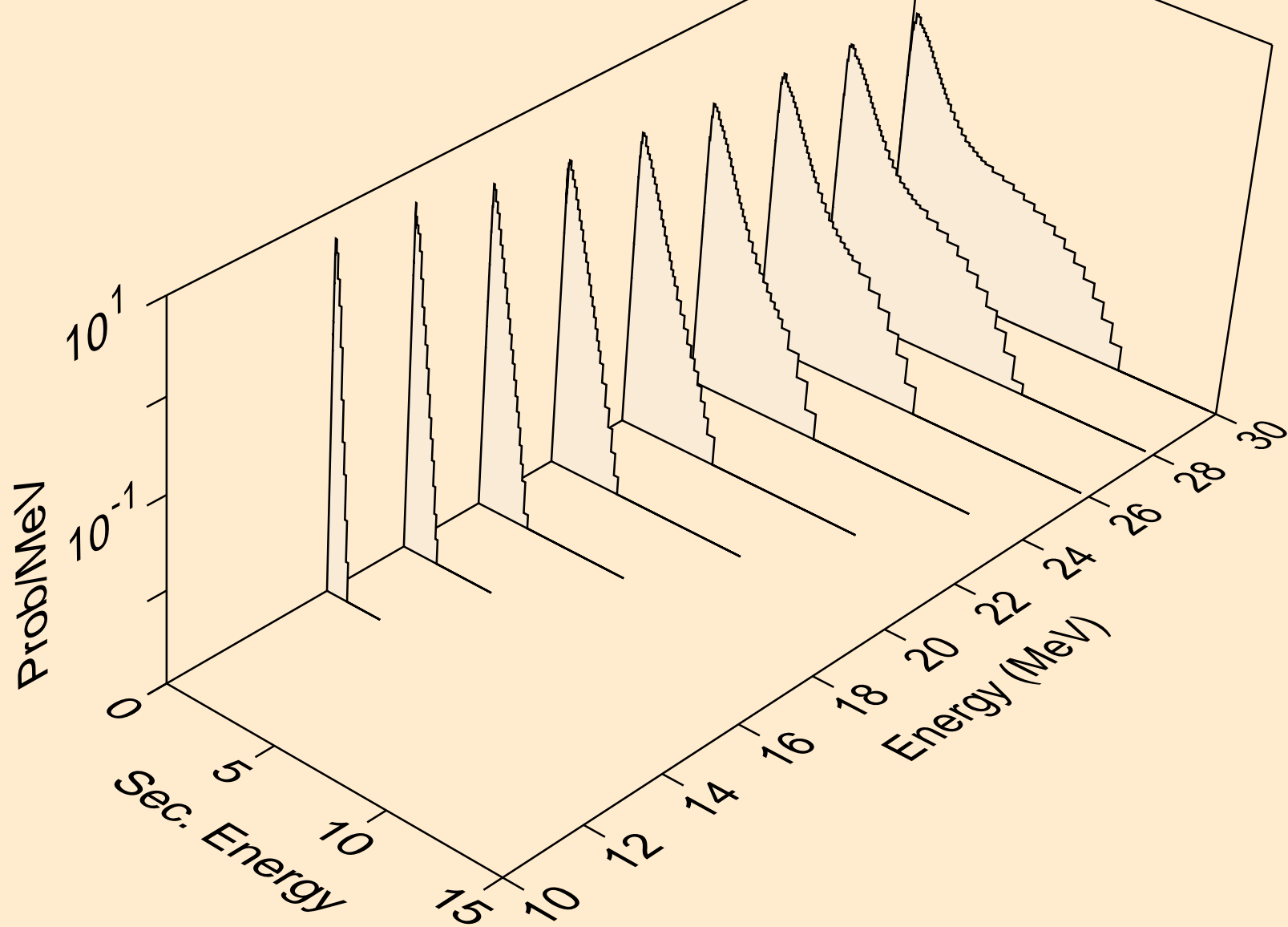
OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)a



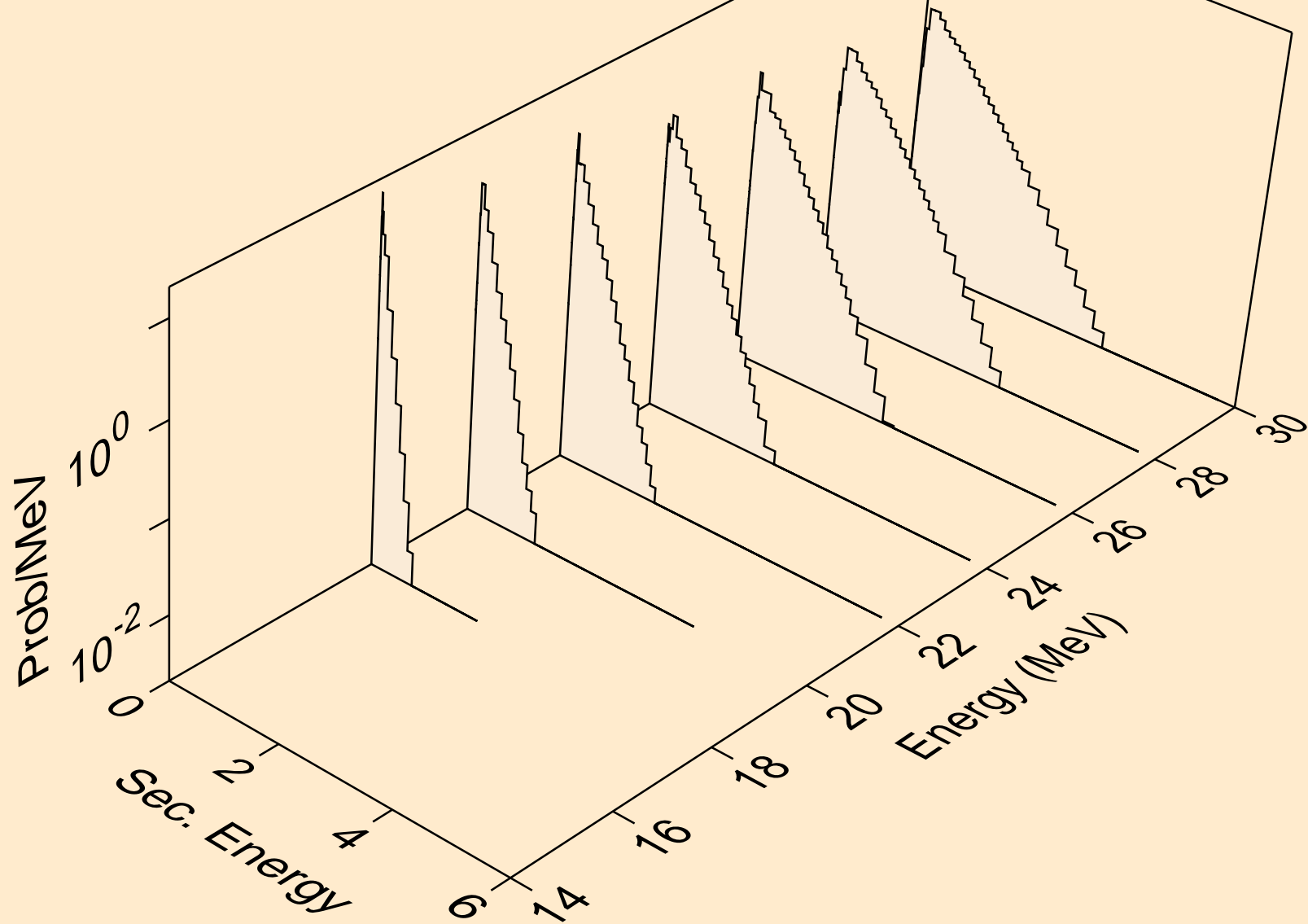
OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)a



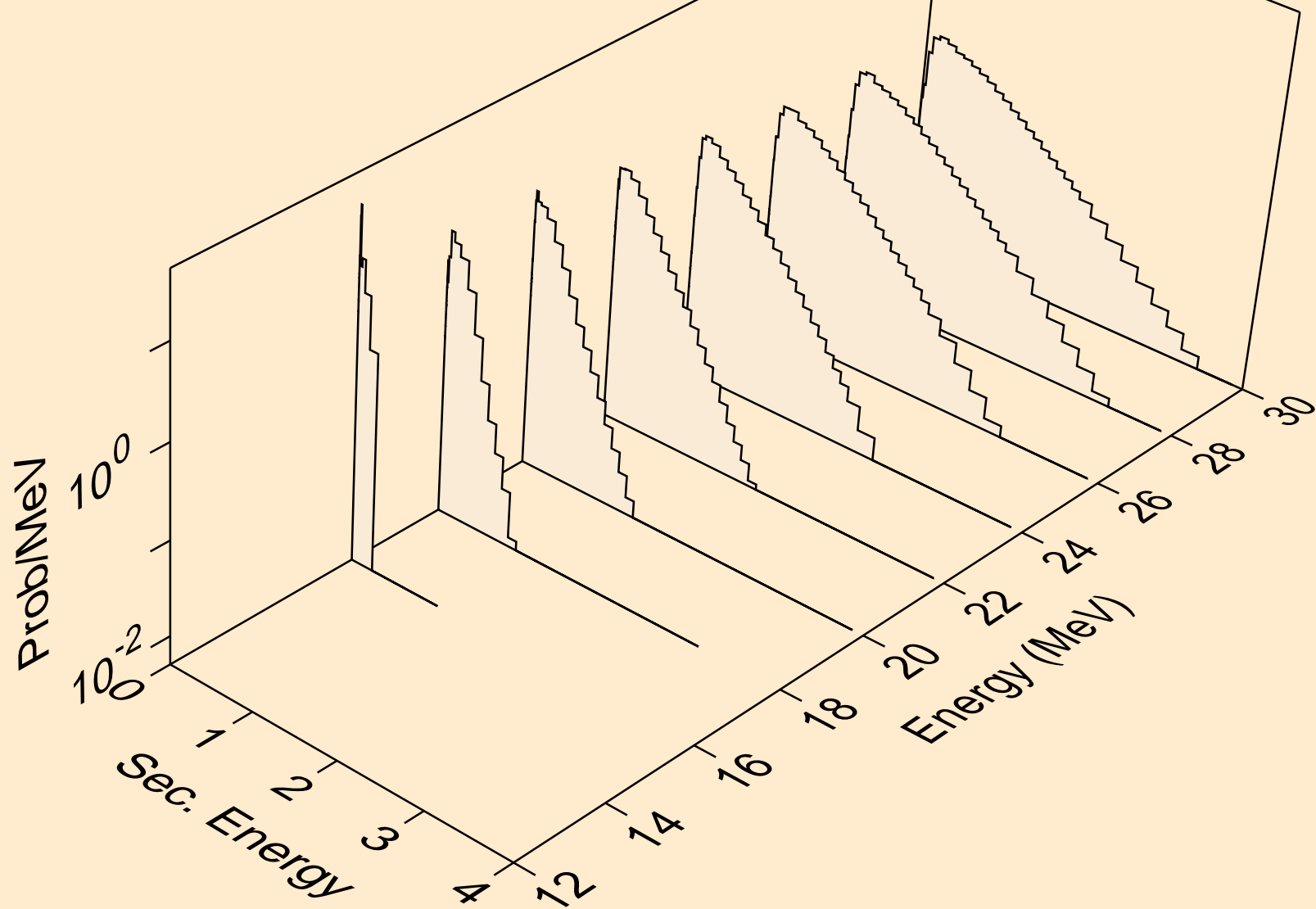
OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



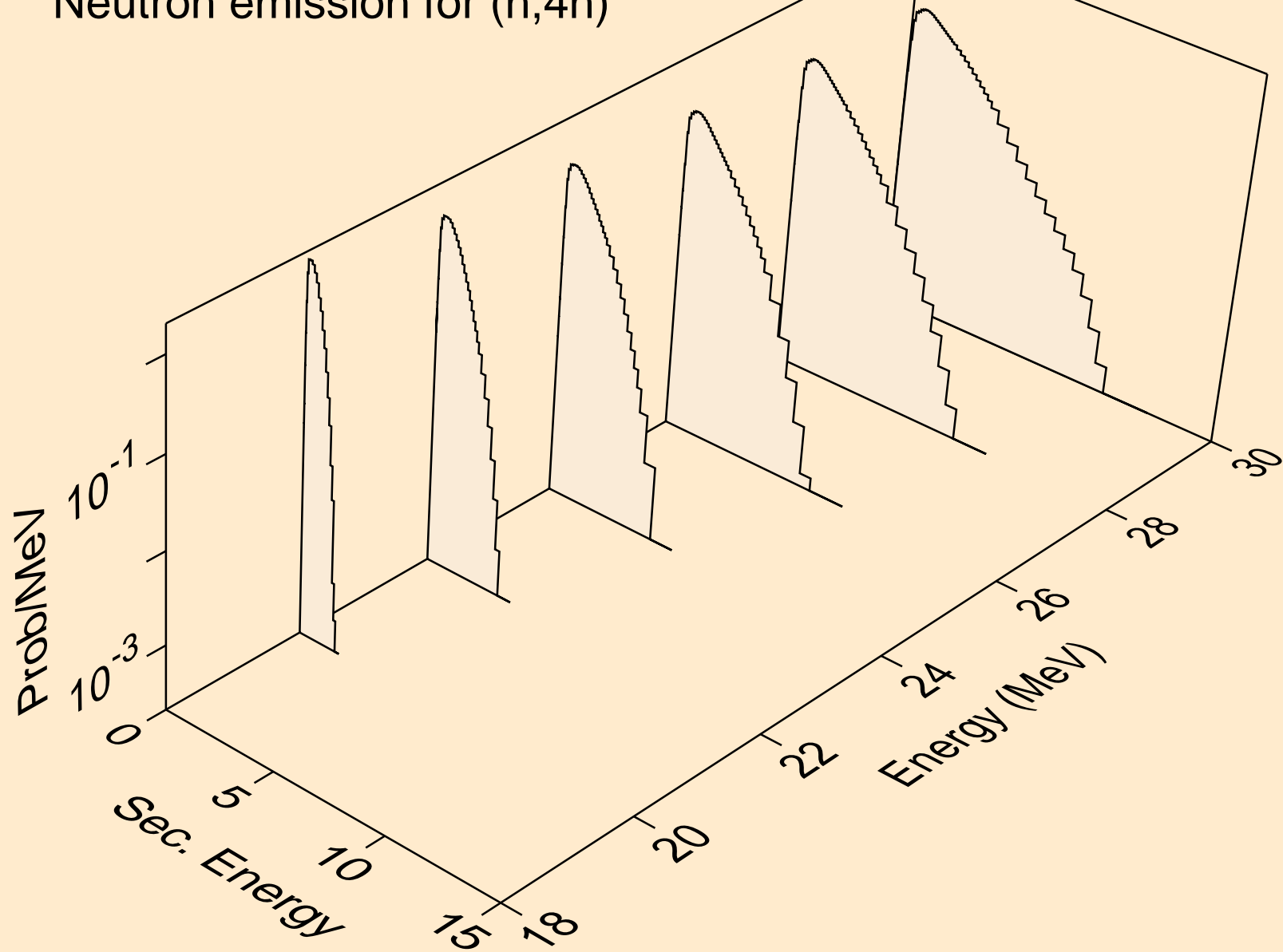
OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d



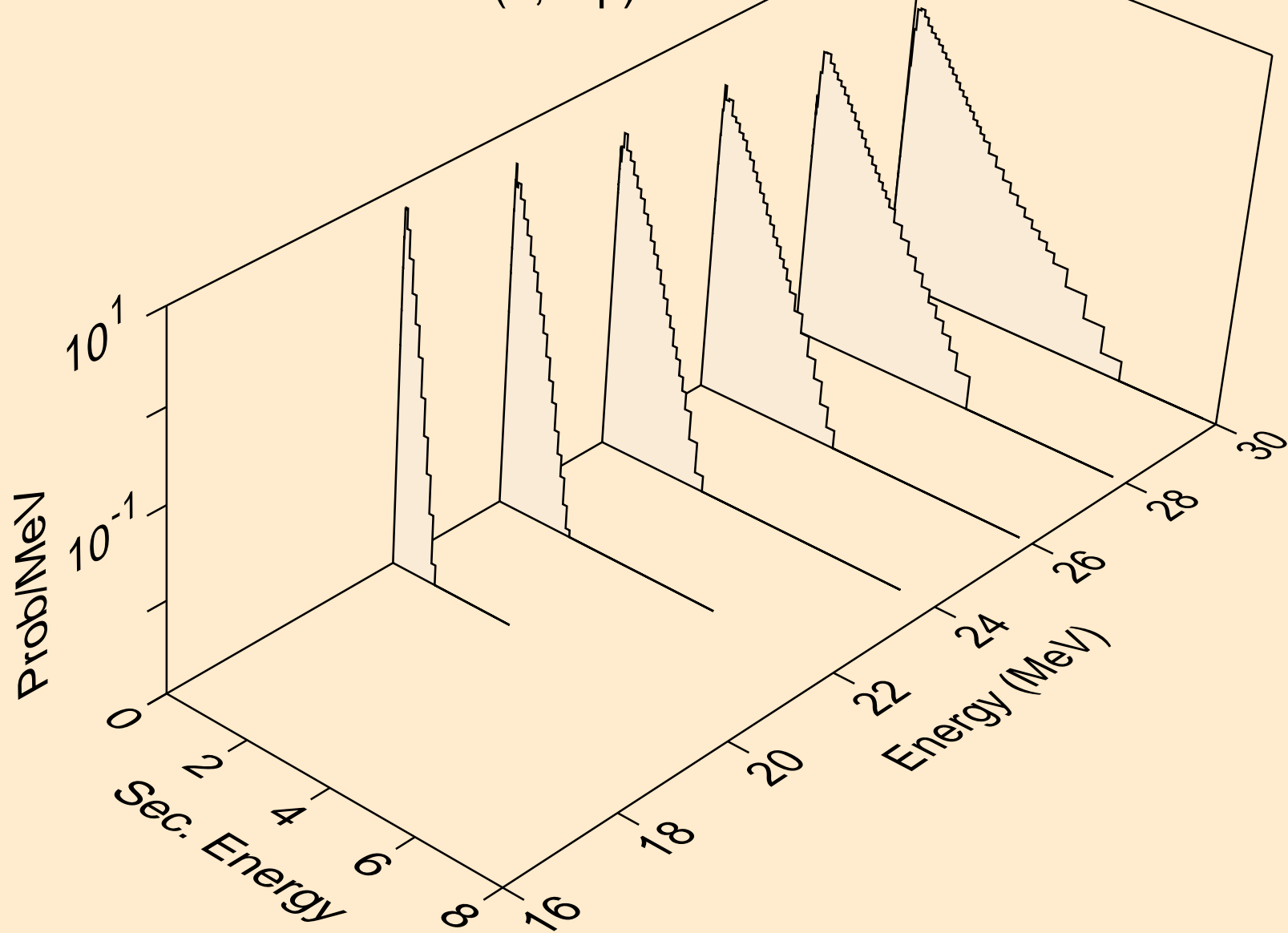
OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,4n)

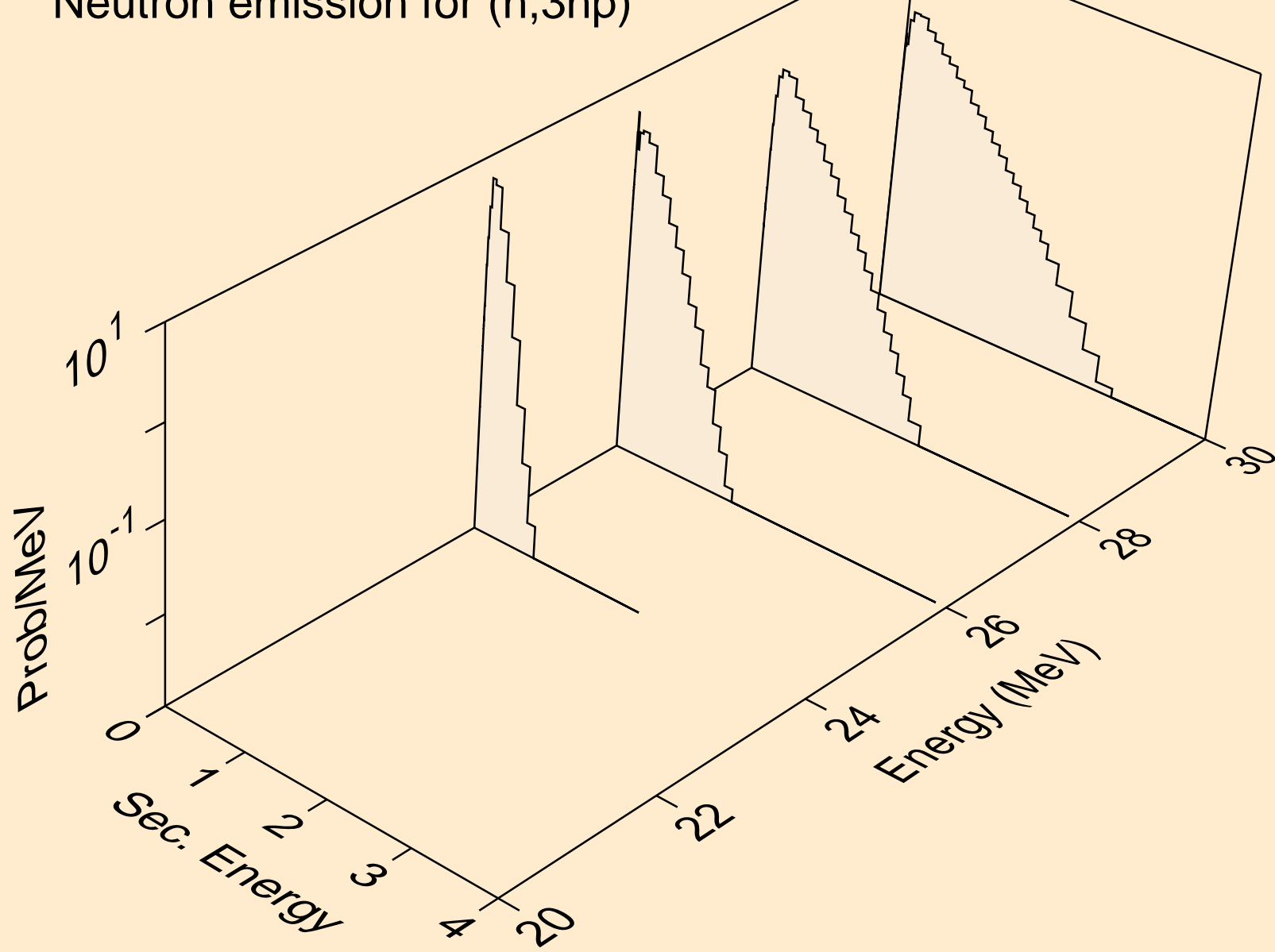


OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2np)

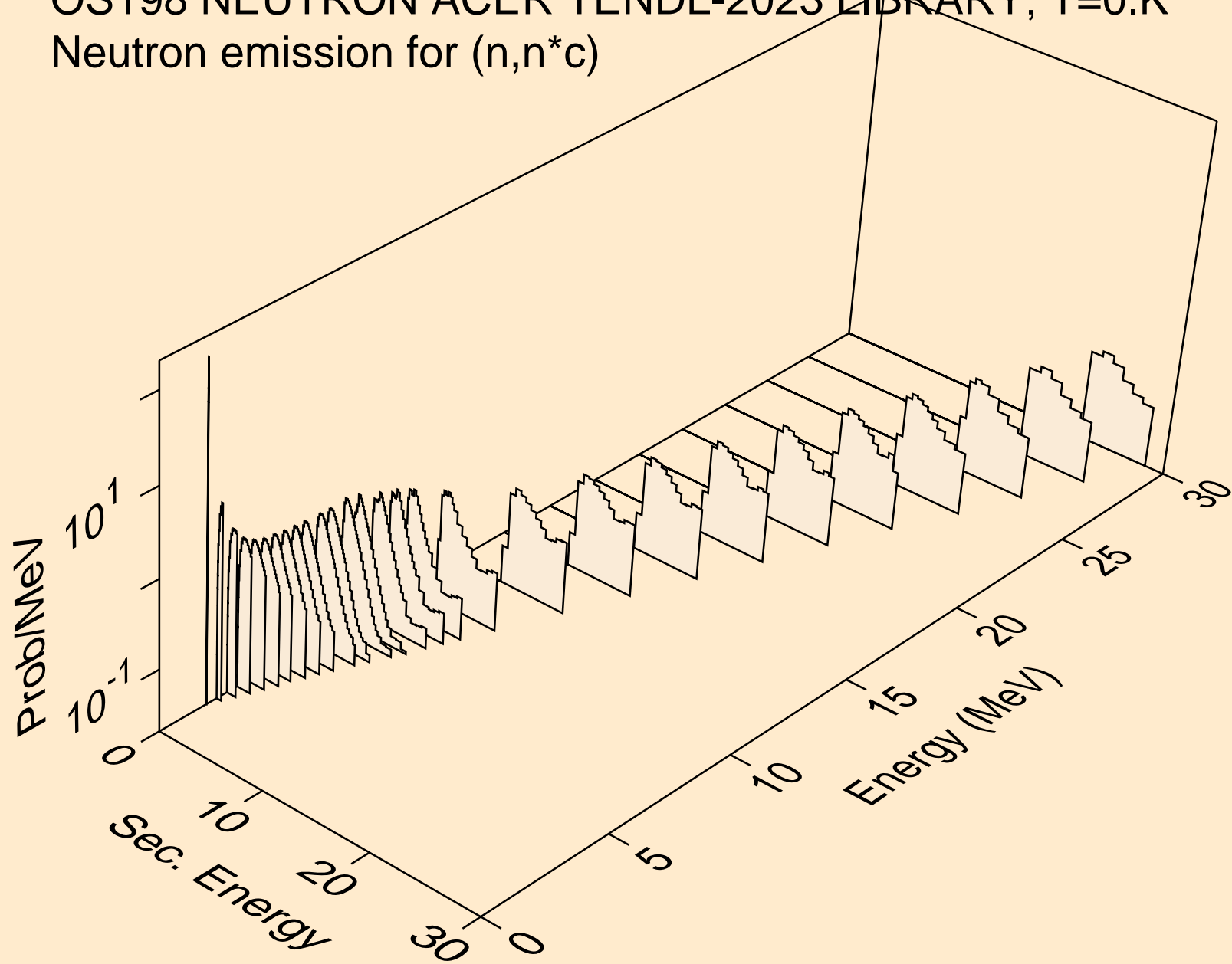




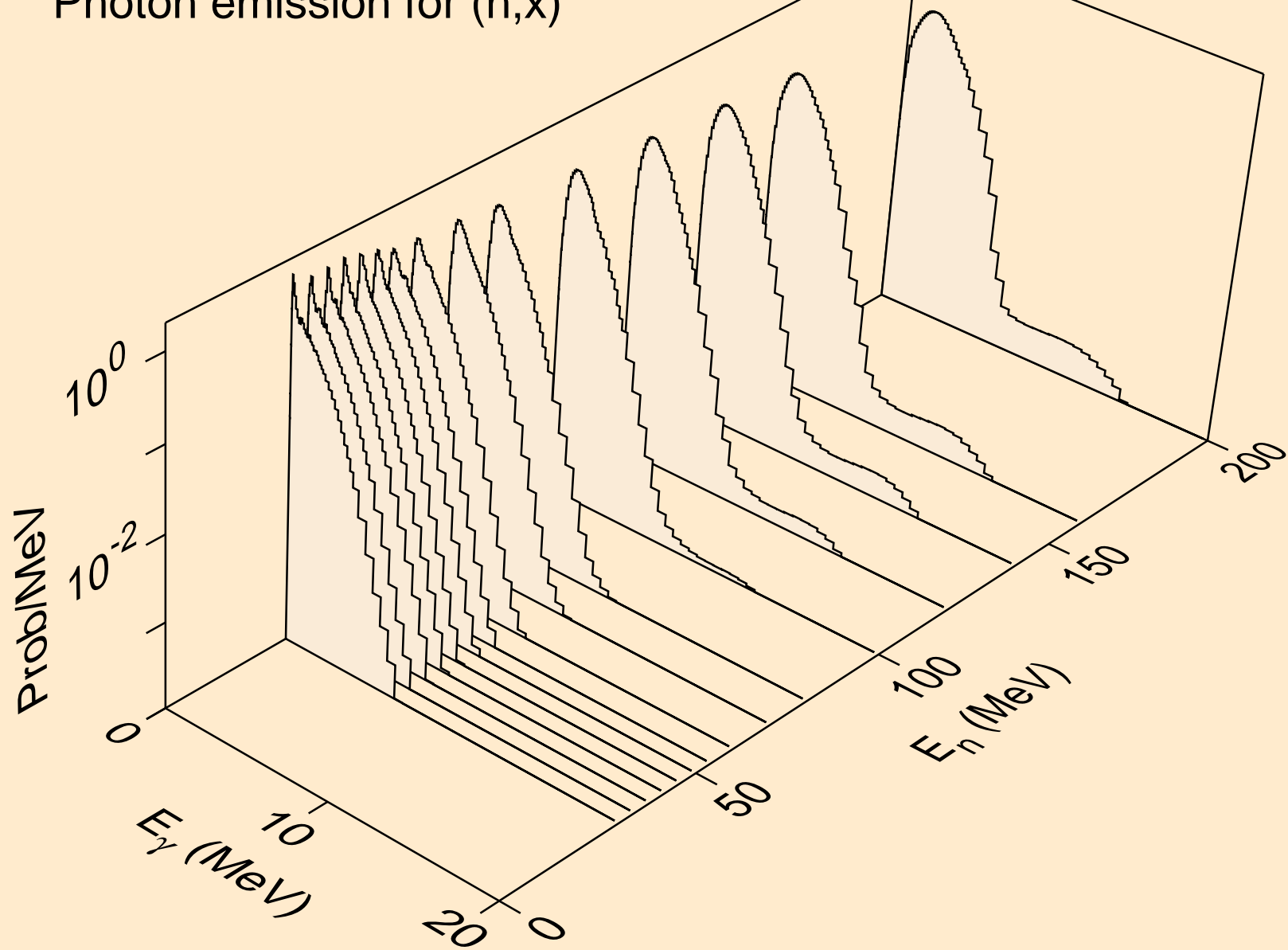
OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3np)



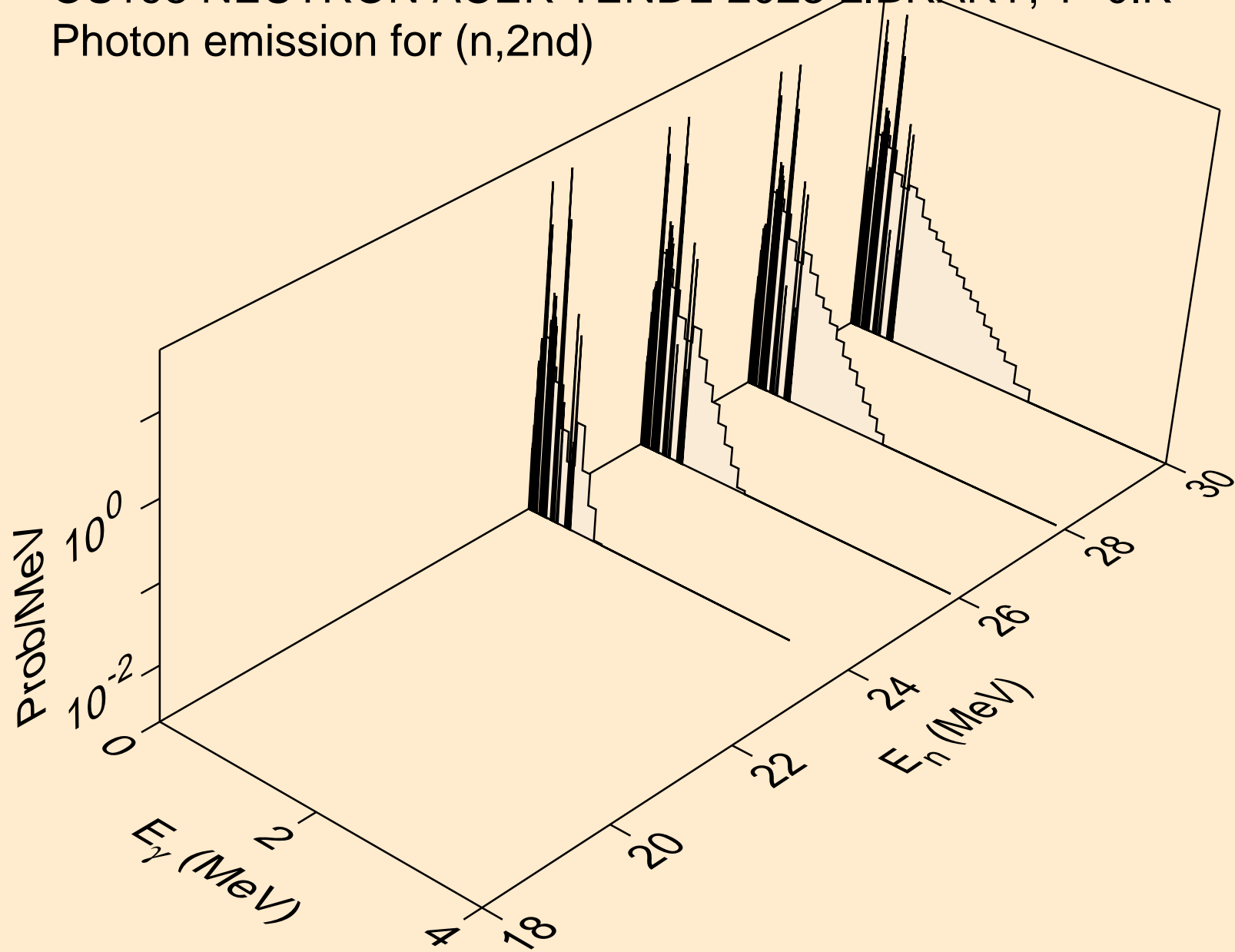
OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)



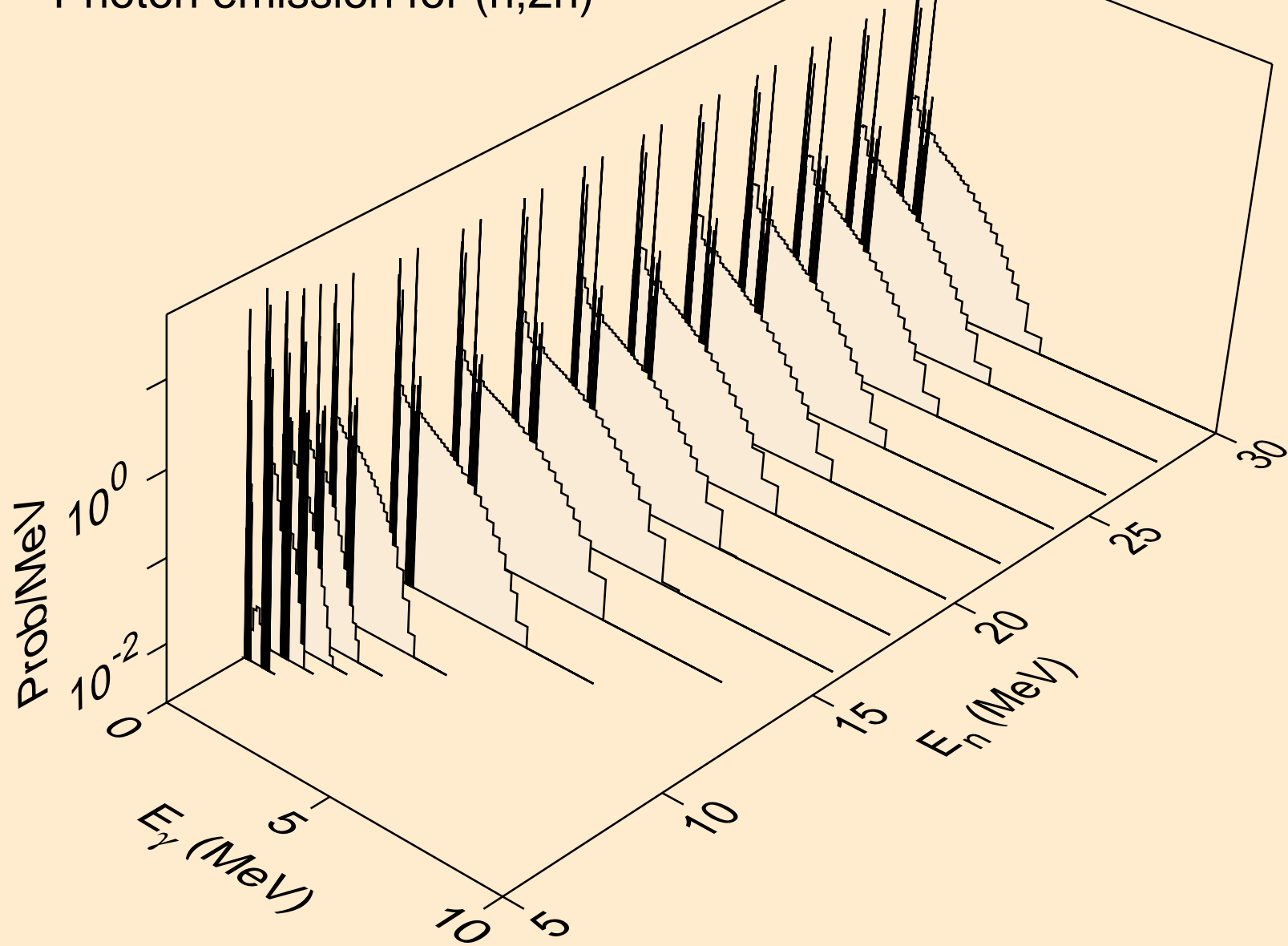
OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,x)



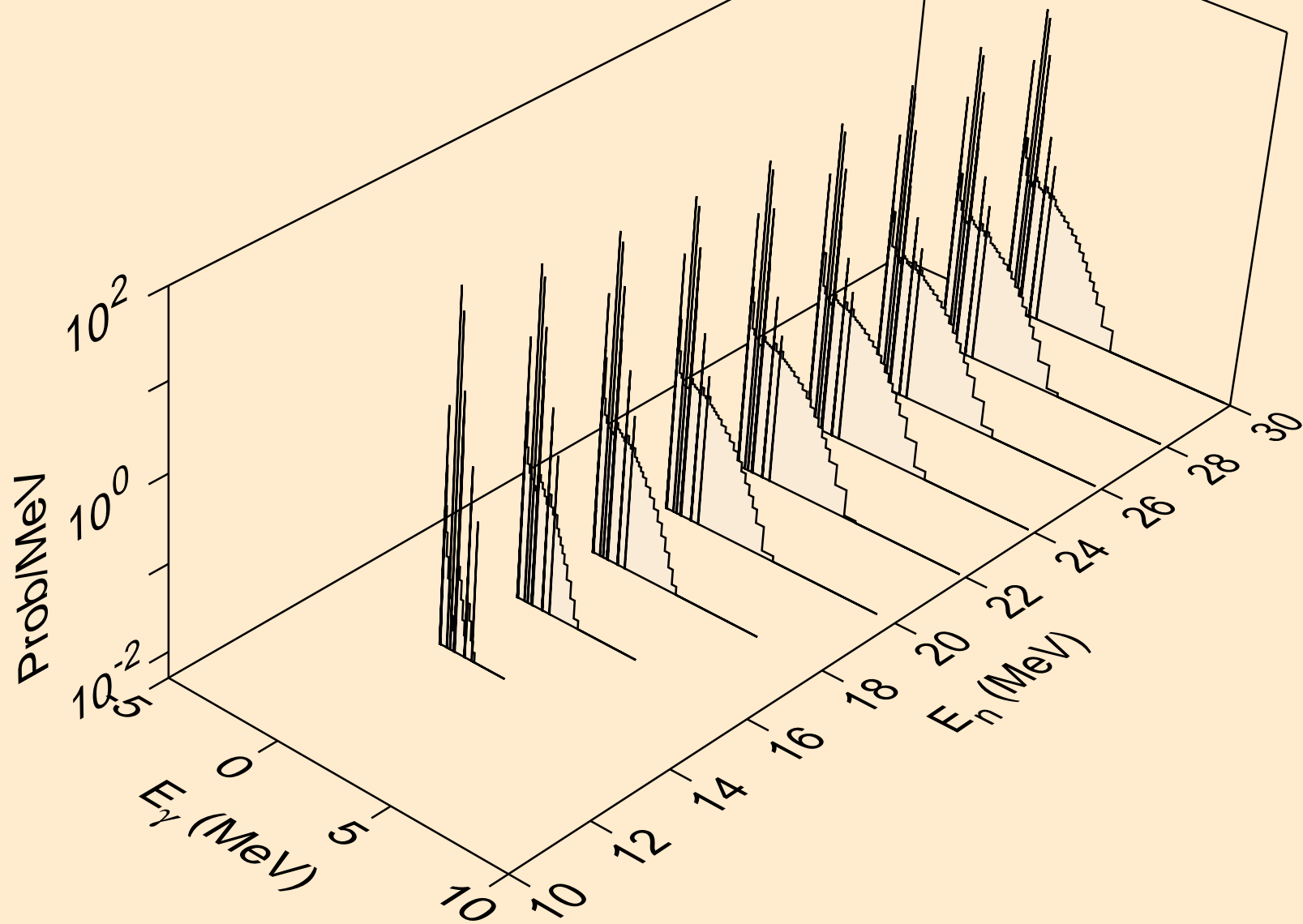
OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



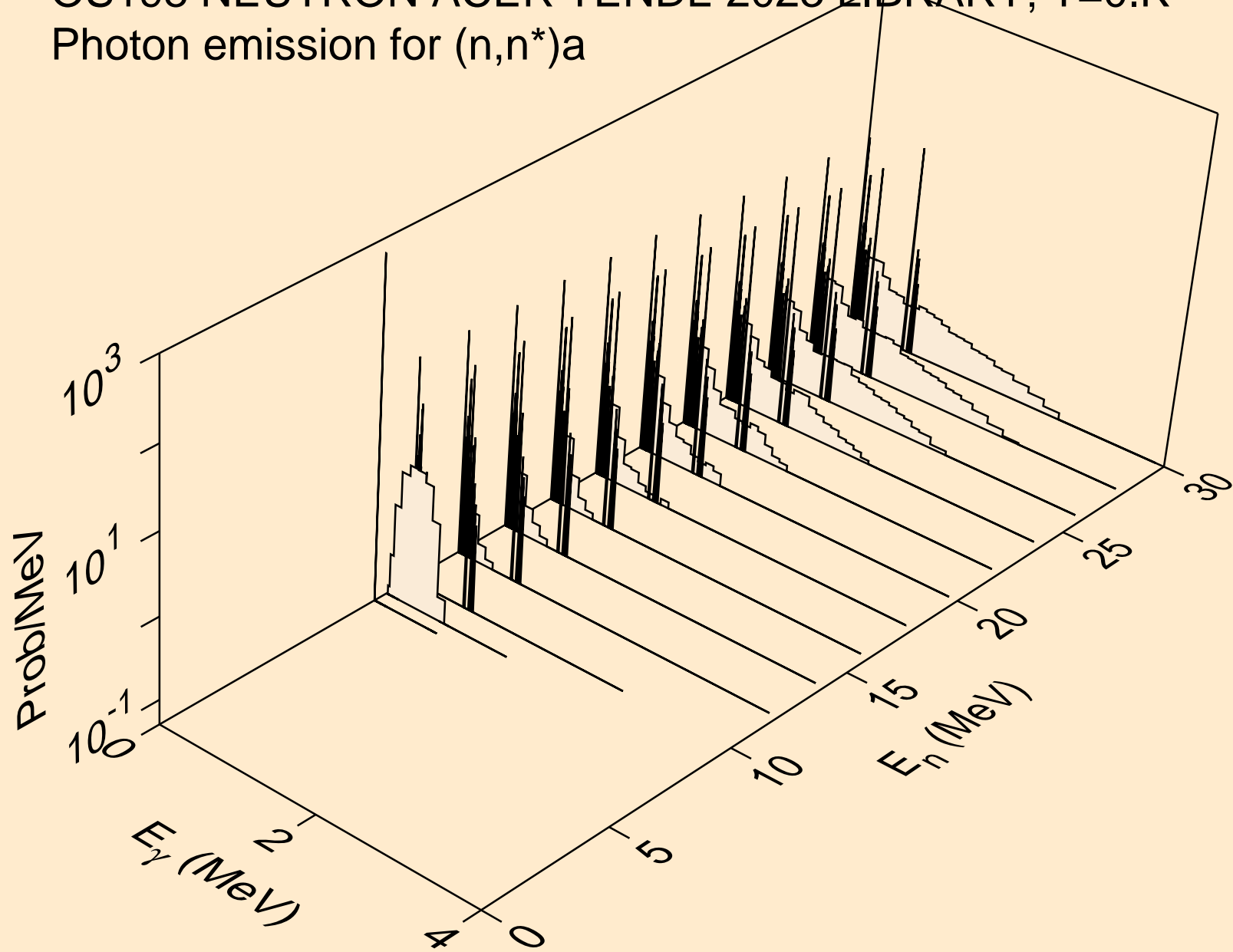
OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



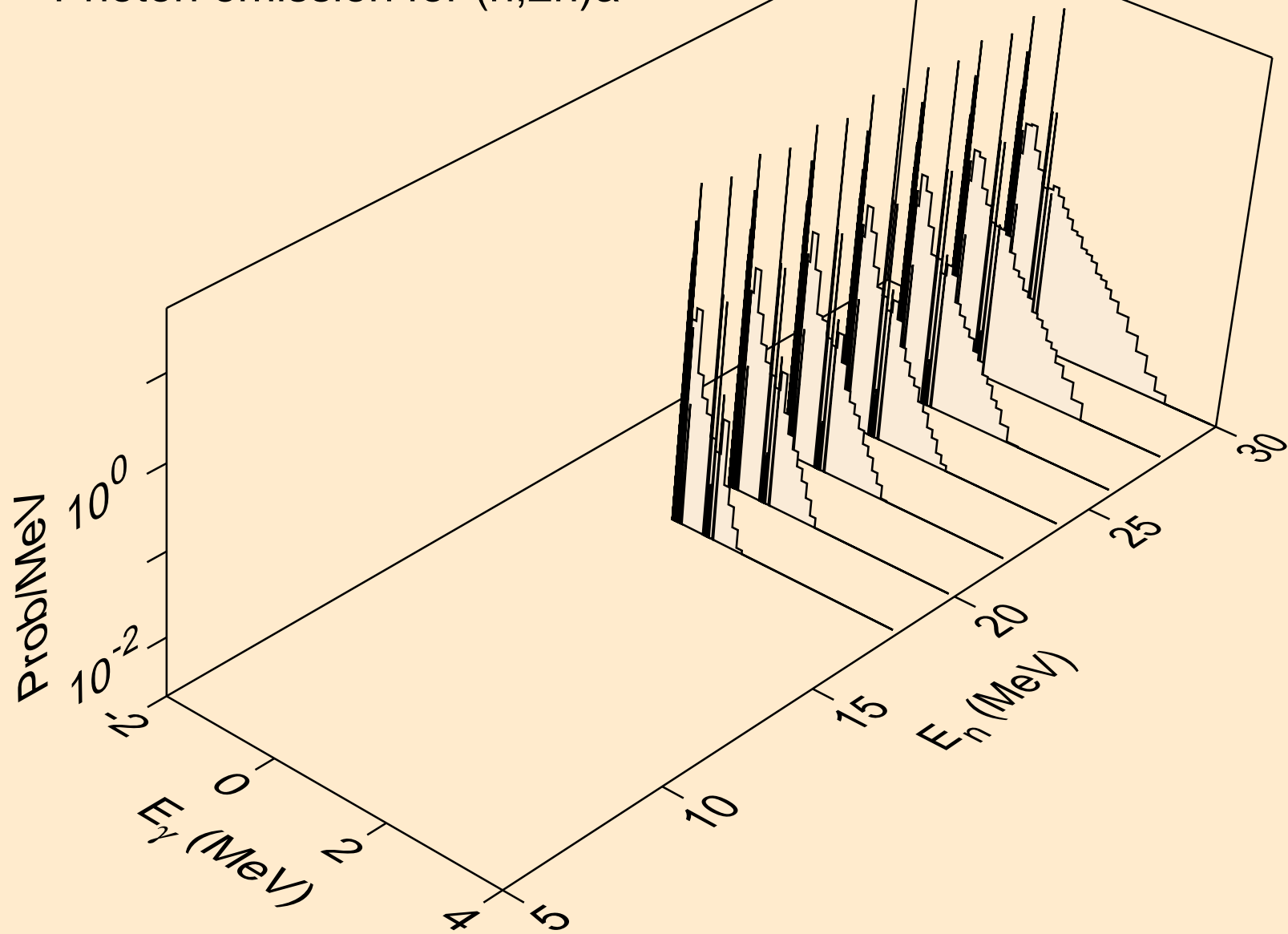
OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a

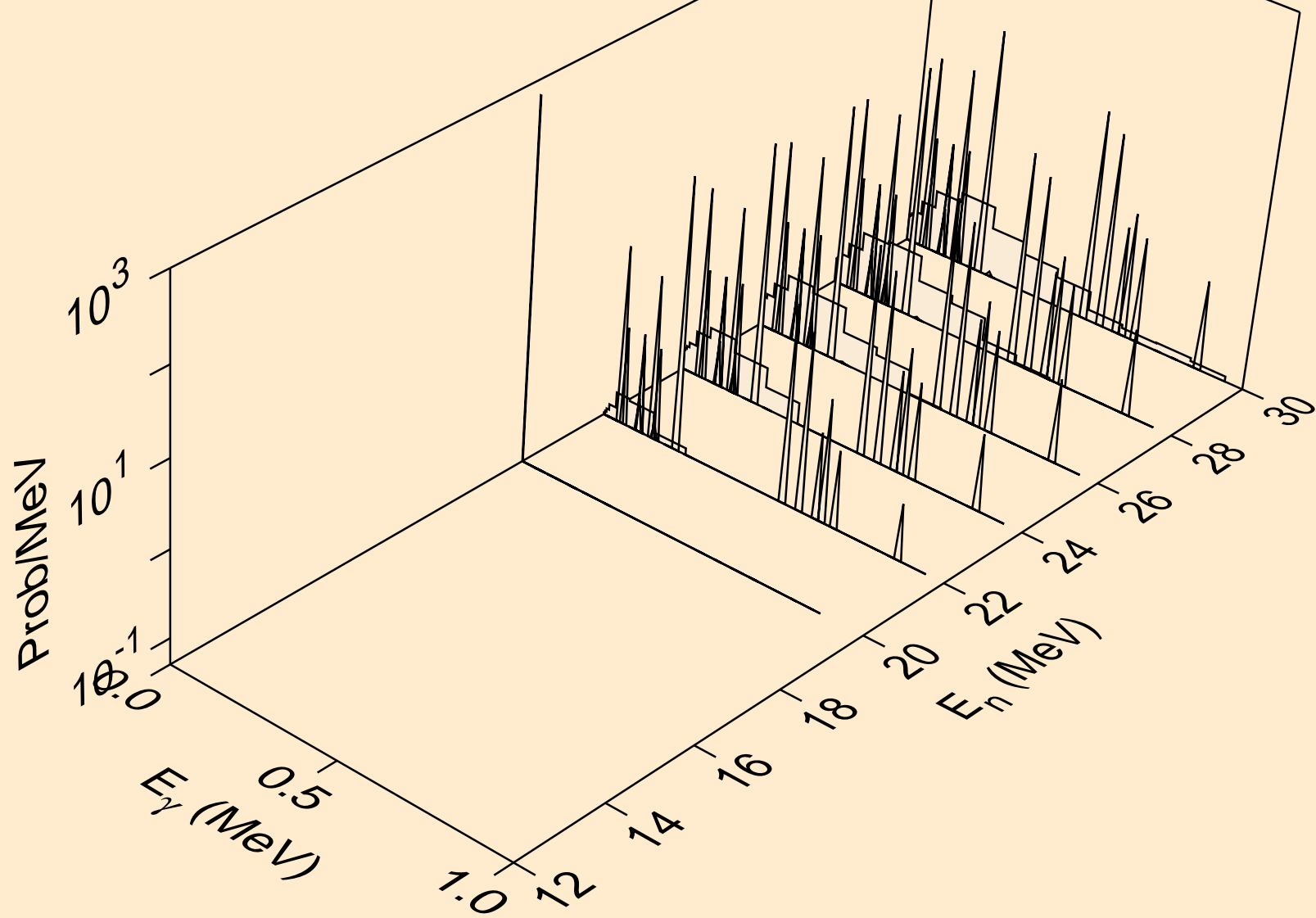


OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a

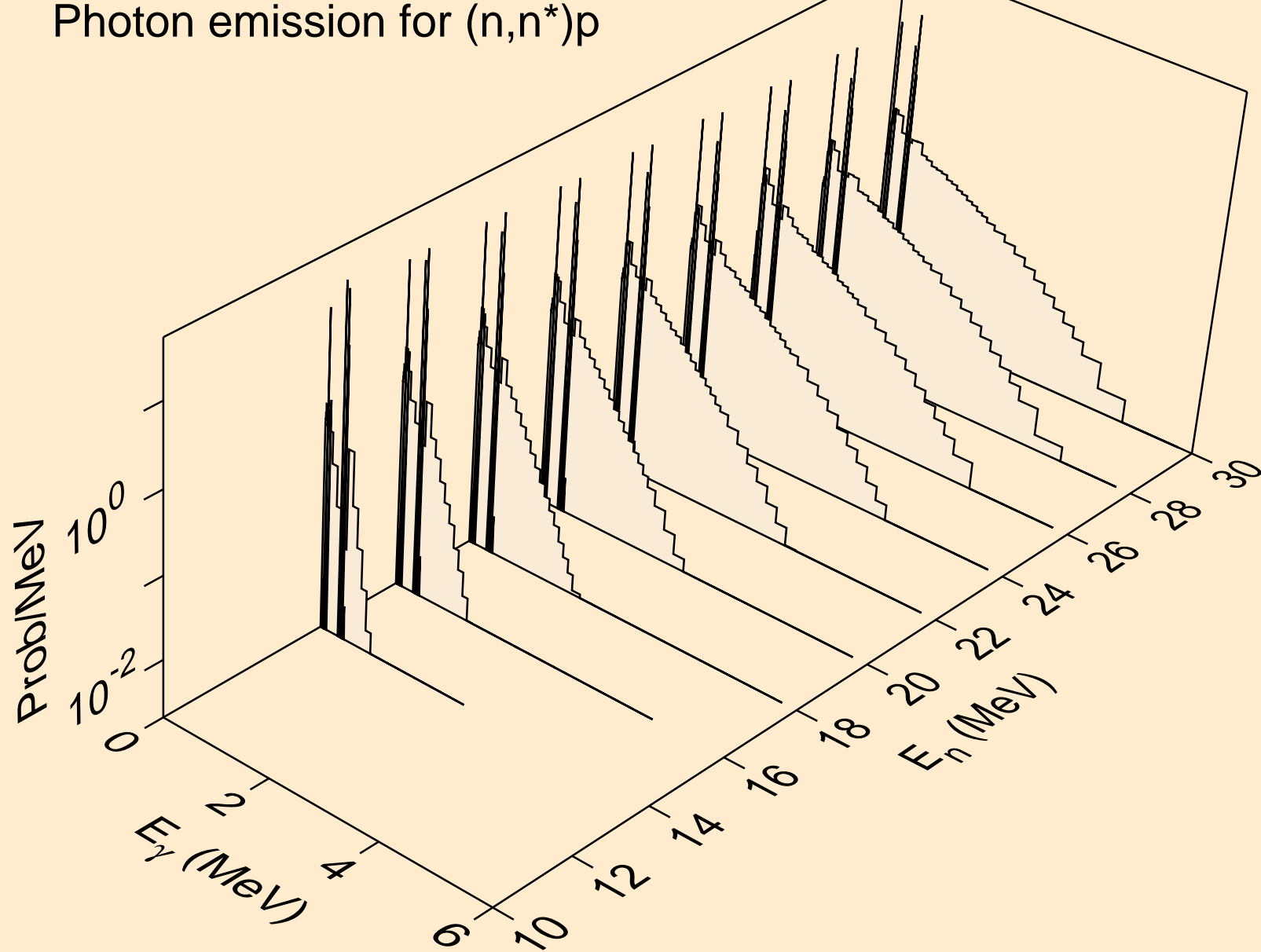




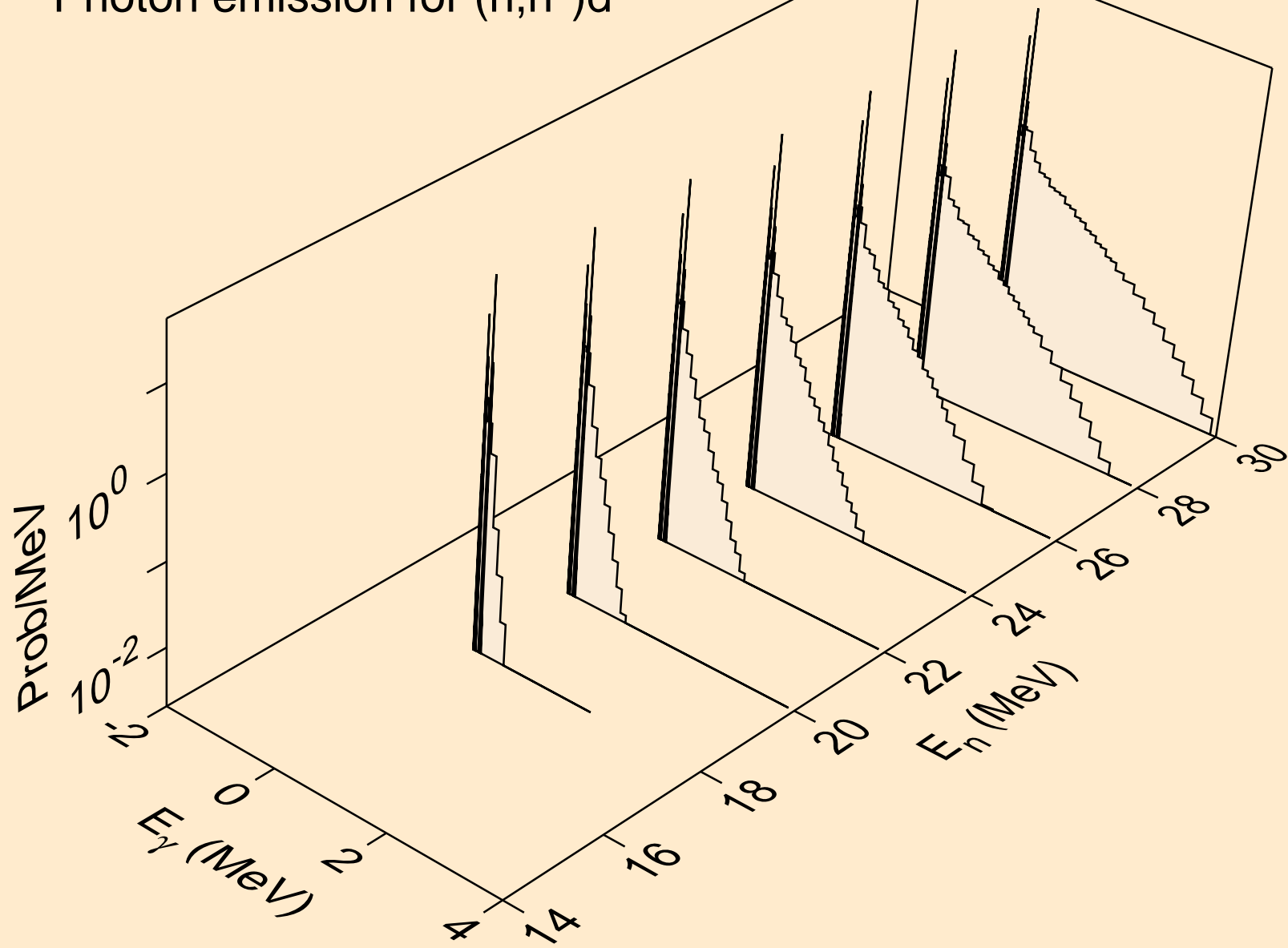
OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)a



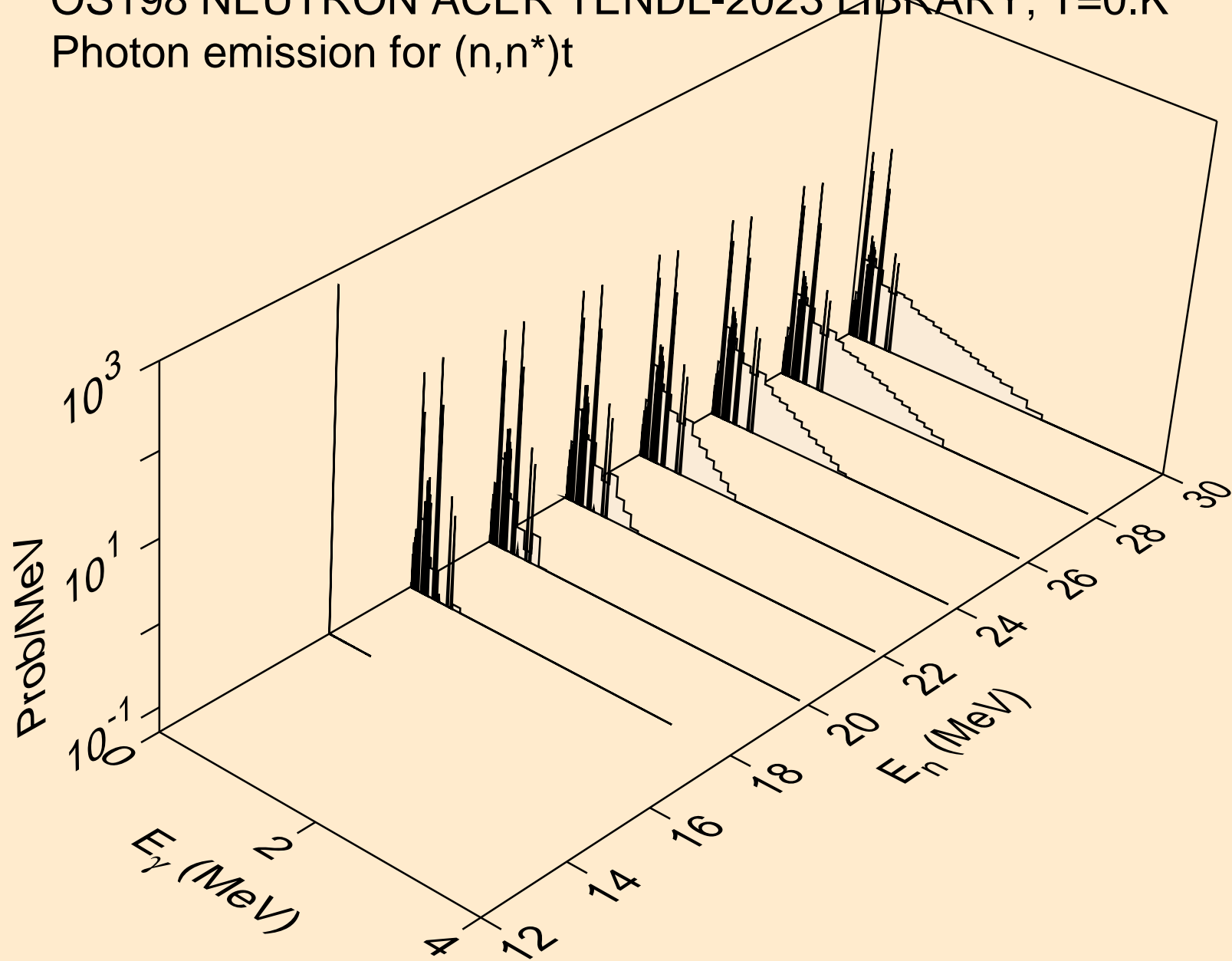
OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



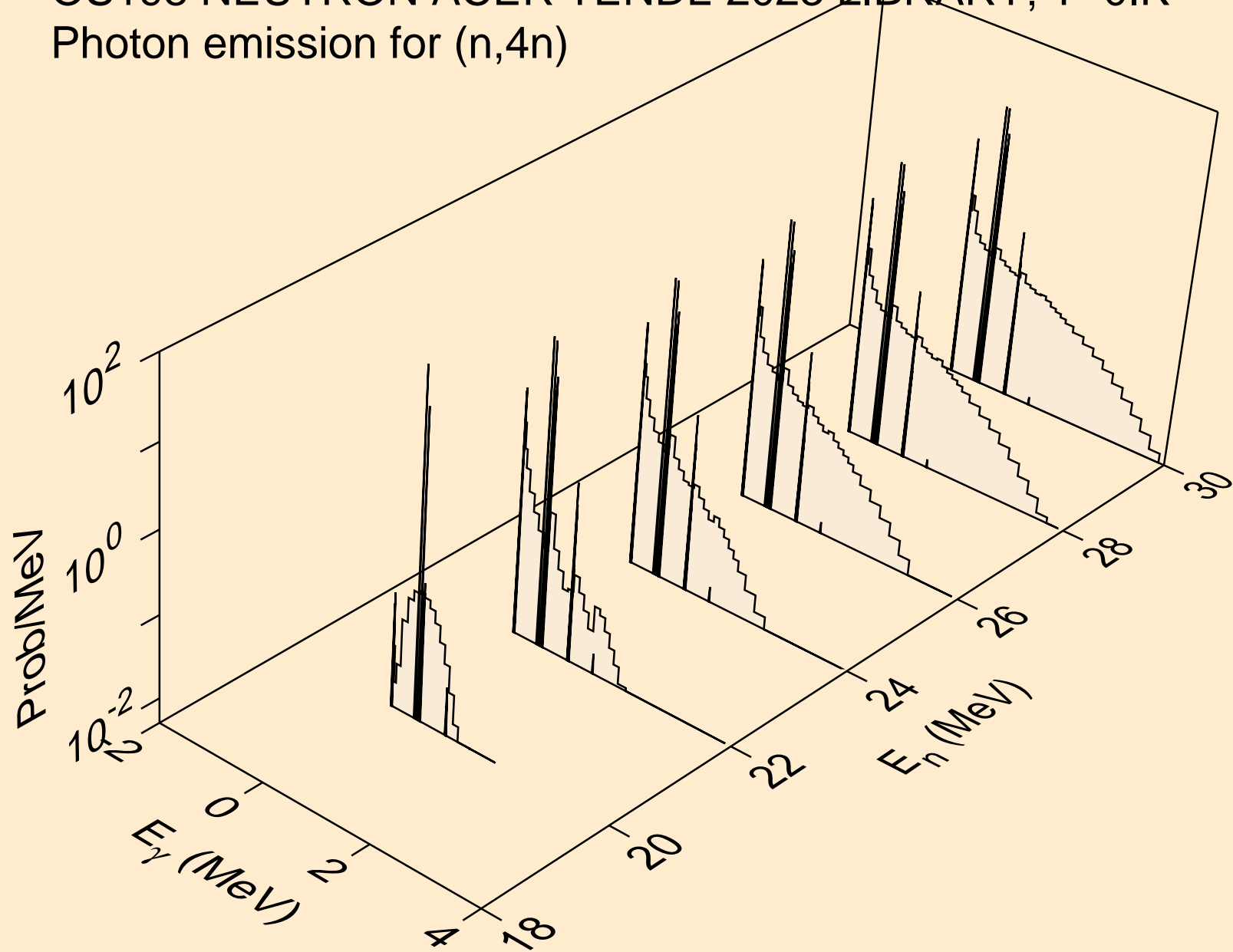
OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



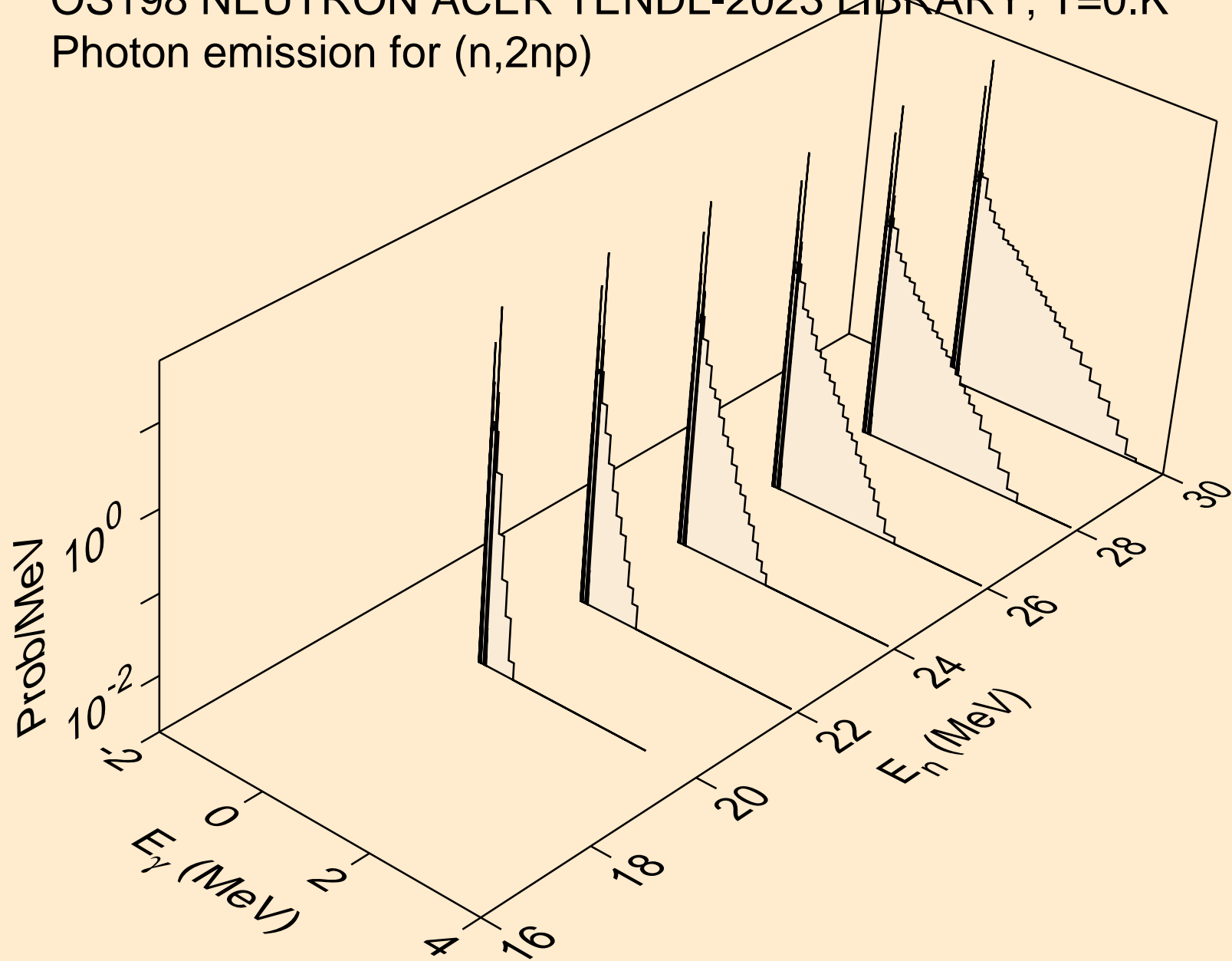
OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



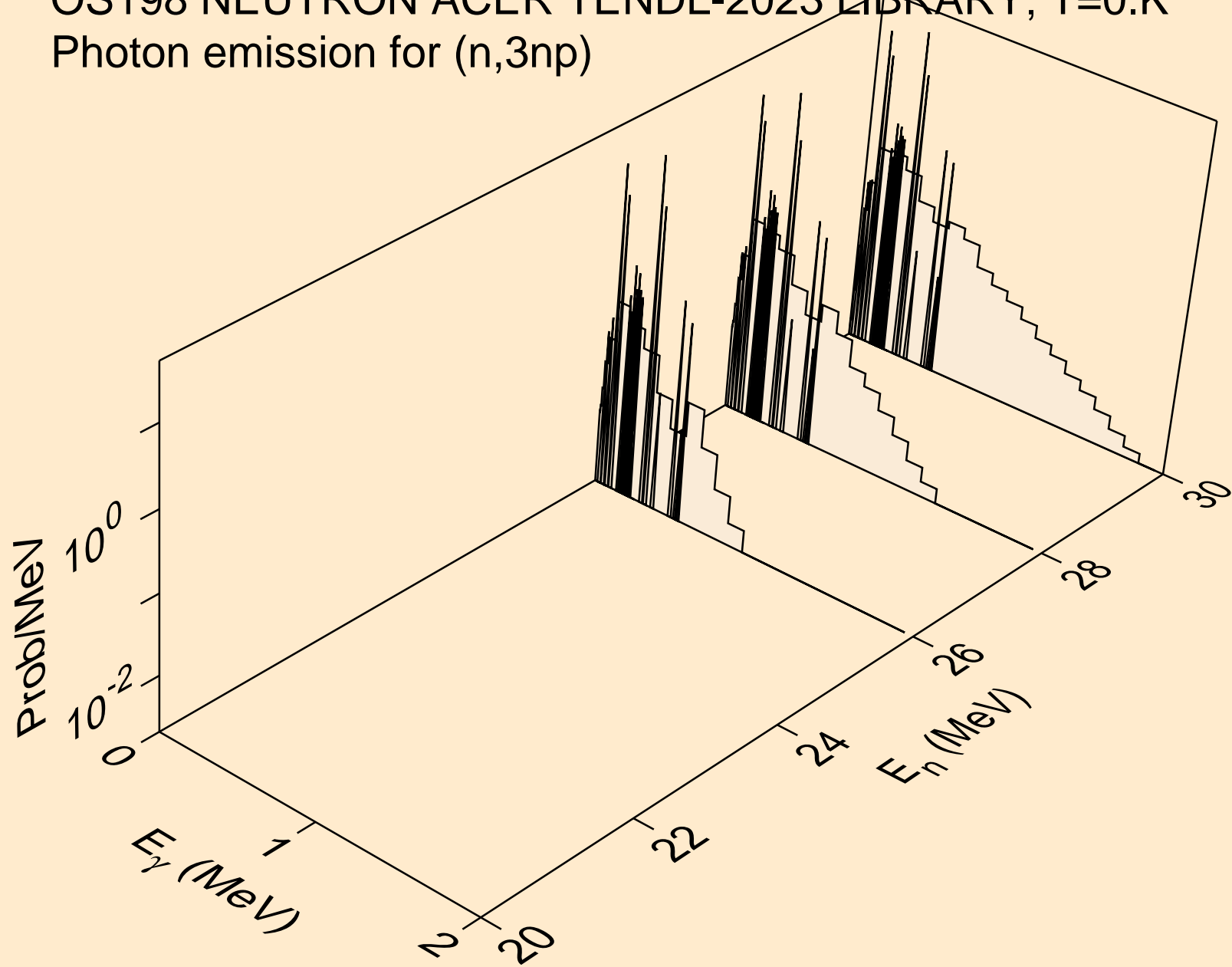
OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,4n)



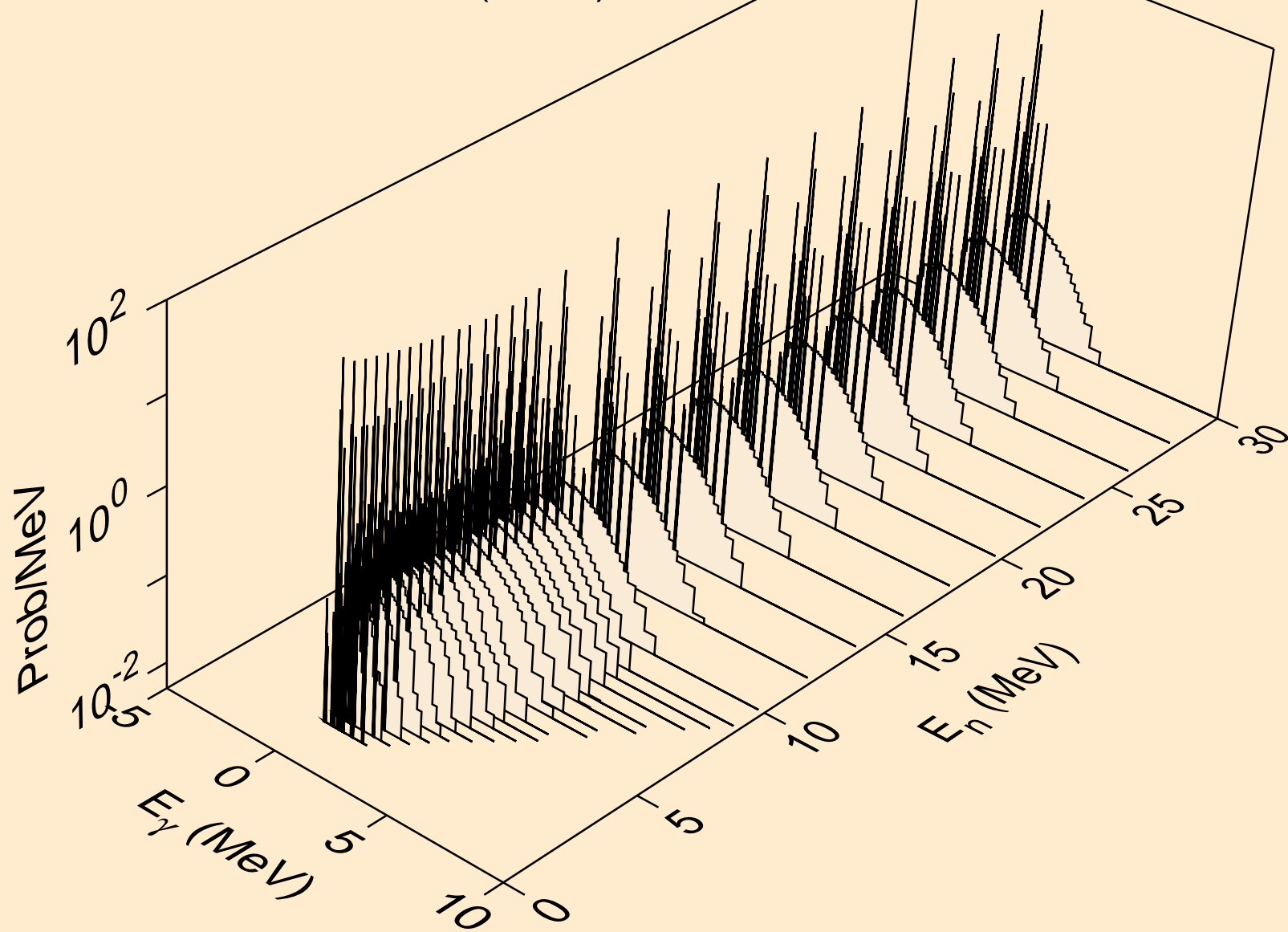
OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)



OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3np)

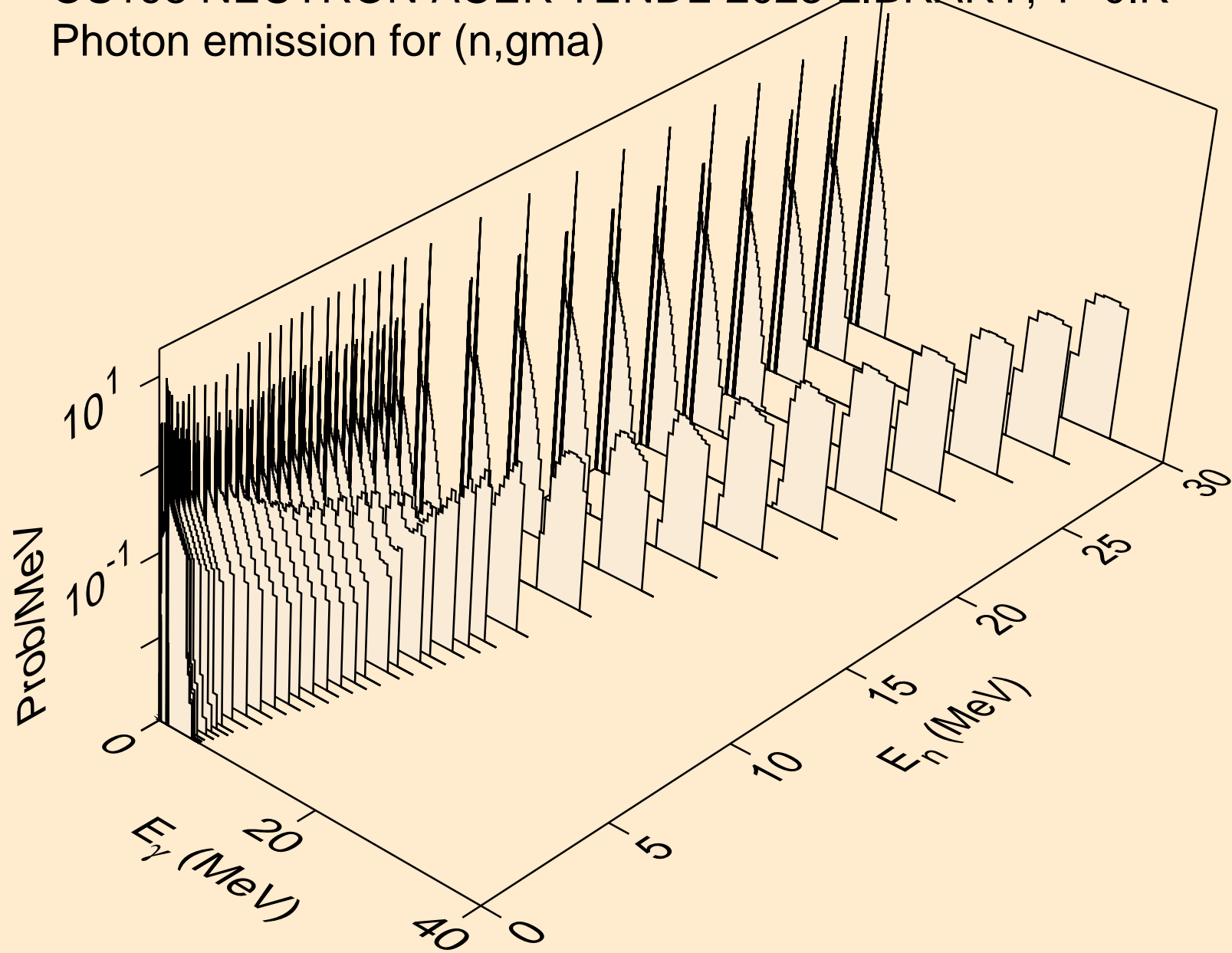


OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*c)

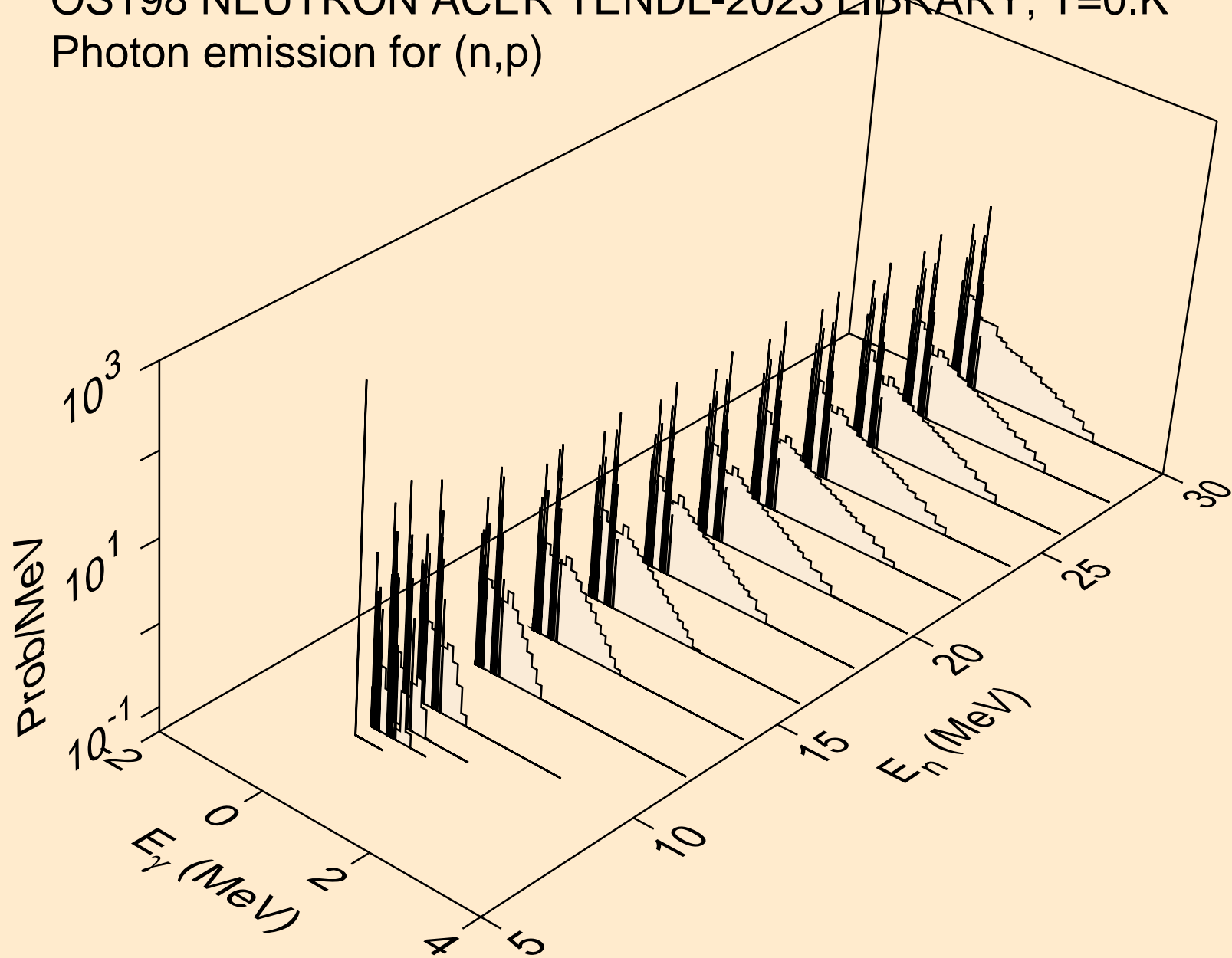




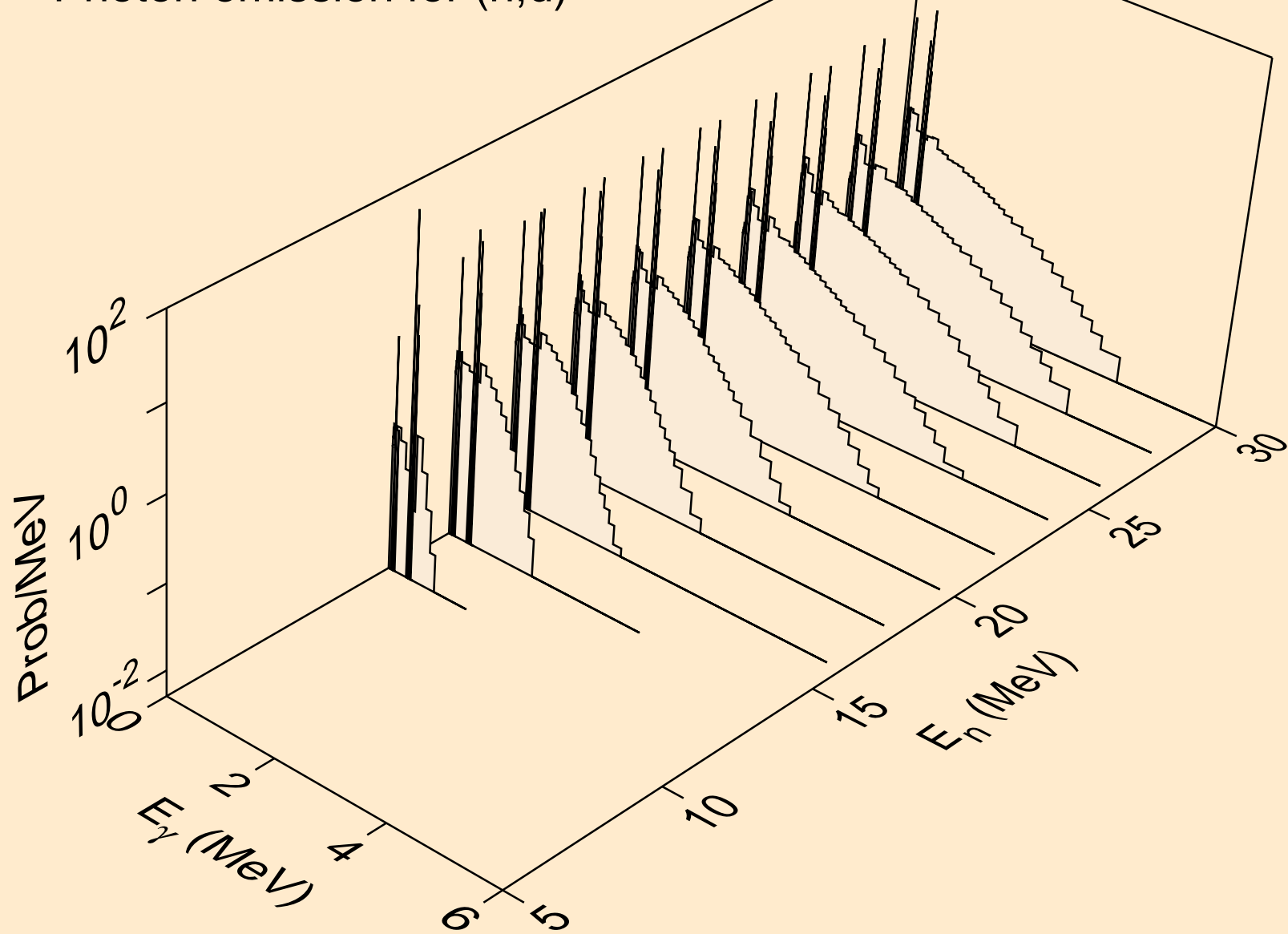
OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)



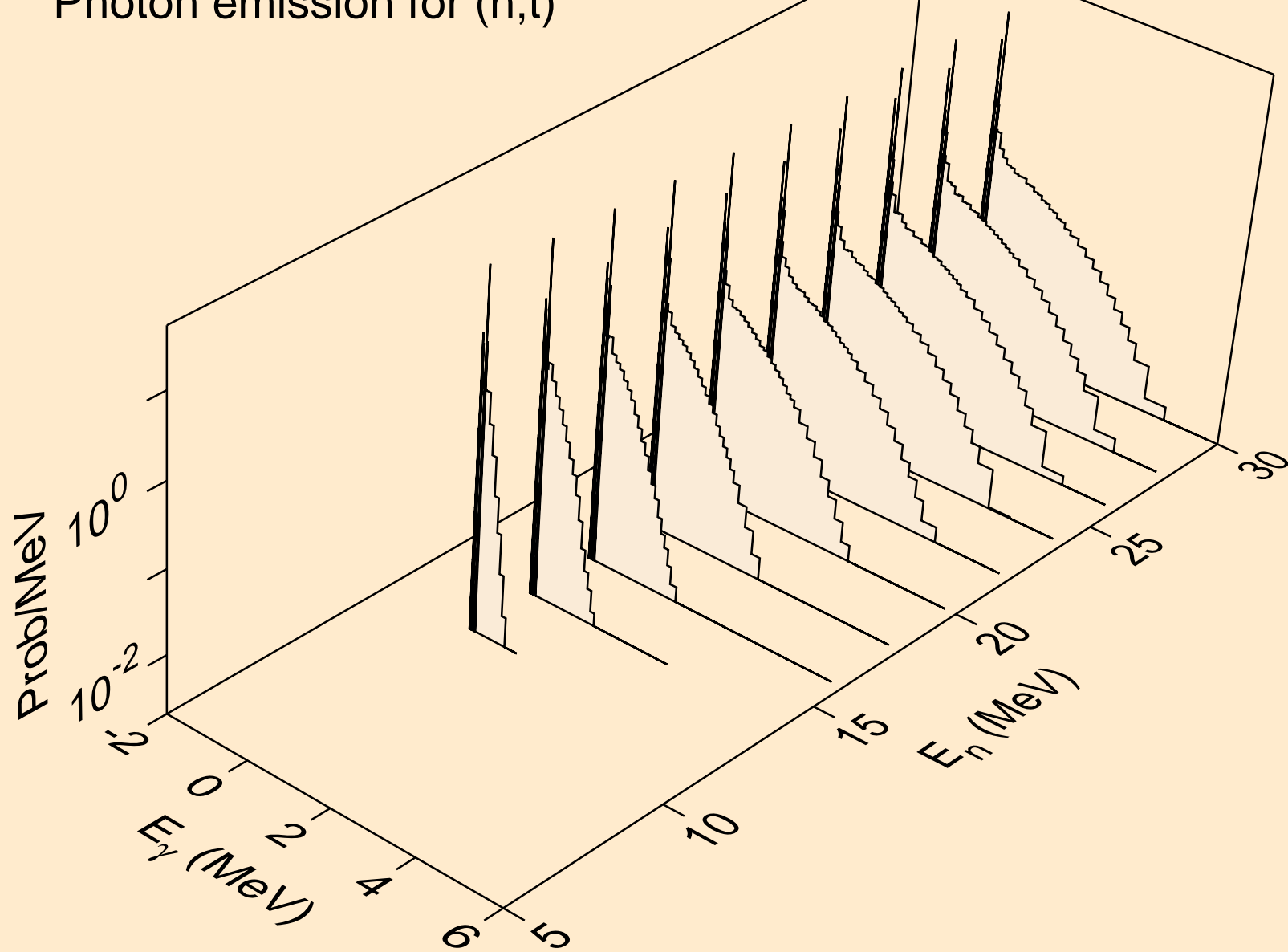
OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)



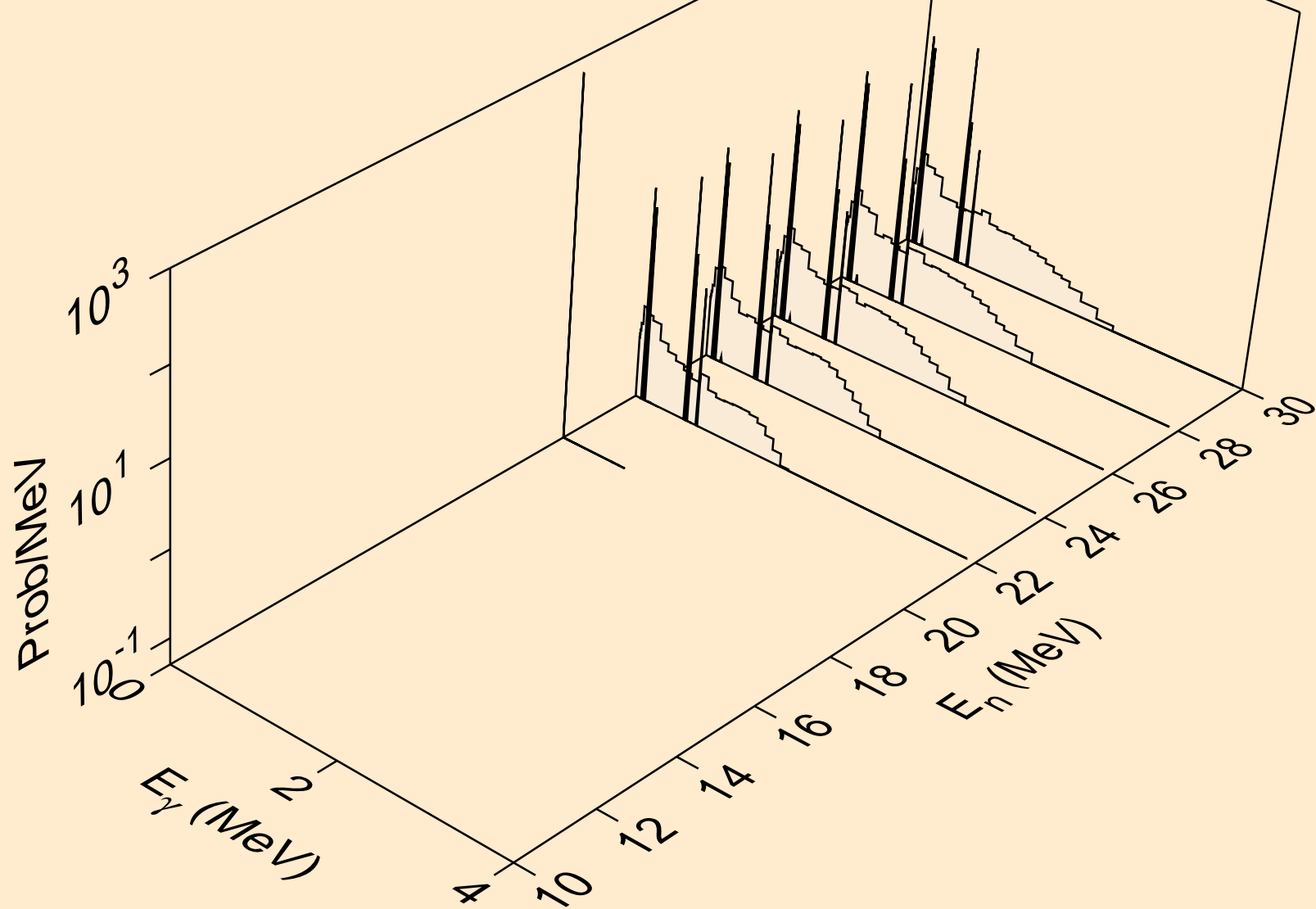
OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)



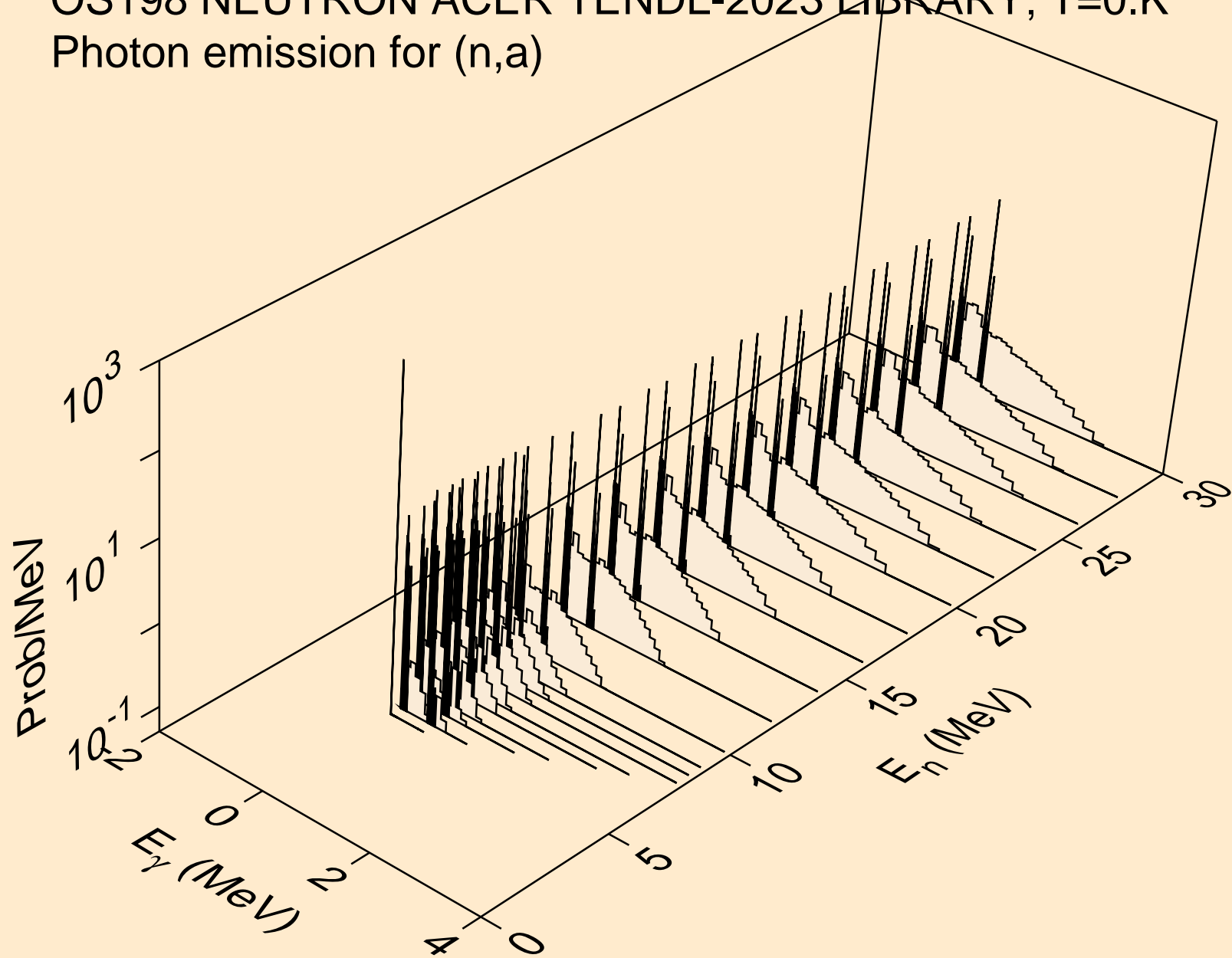
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Photon emission for (n,t)



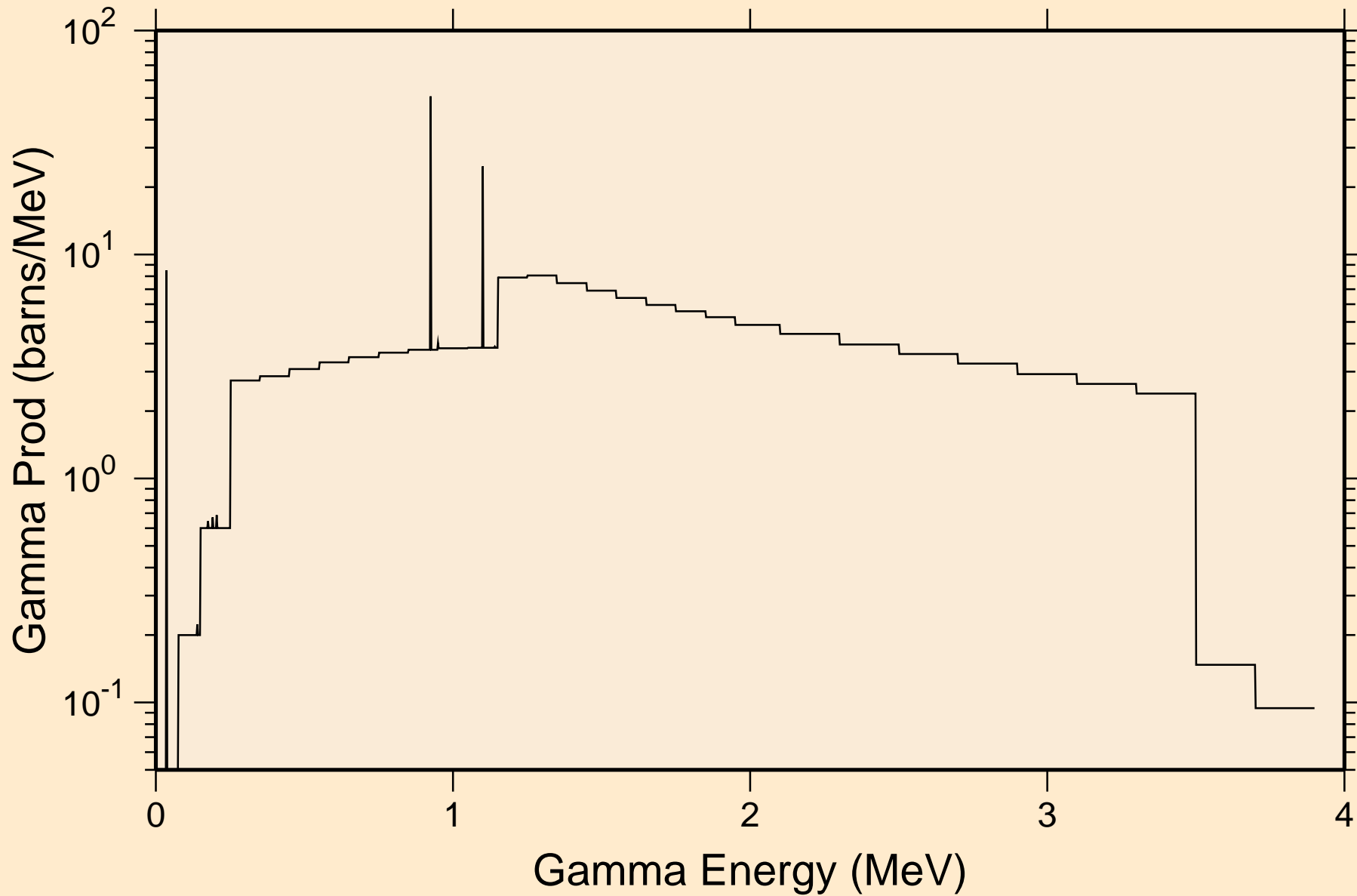
OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)



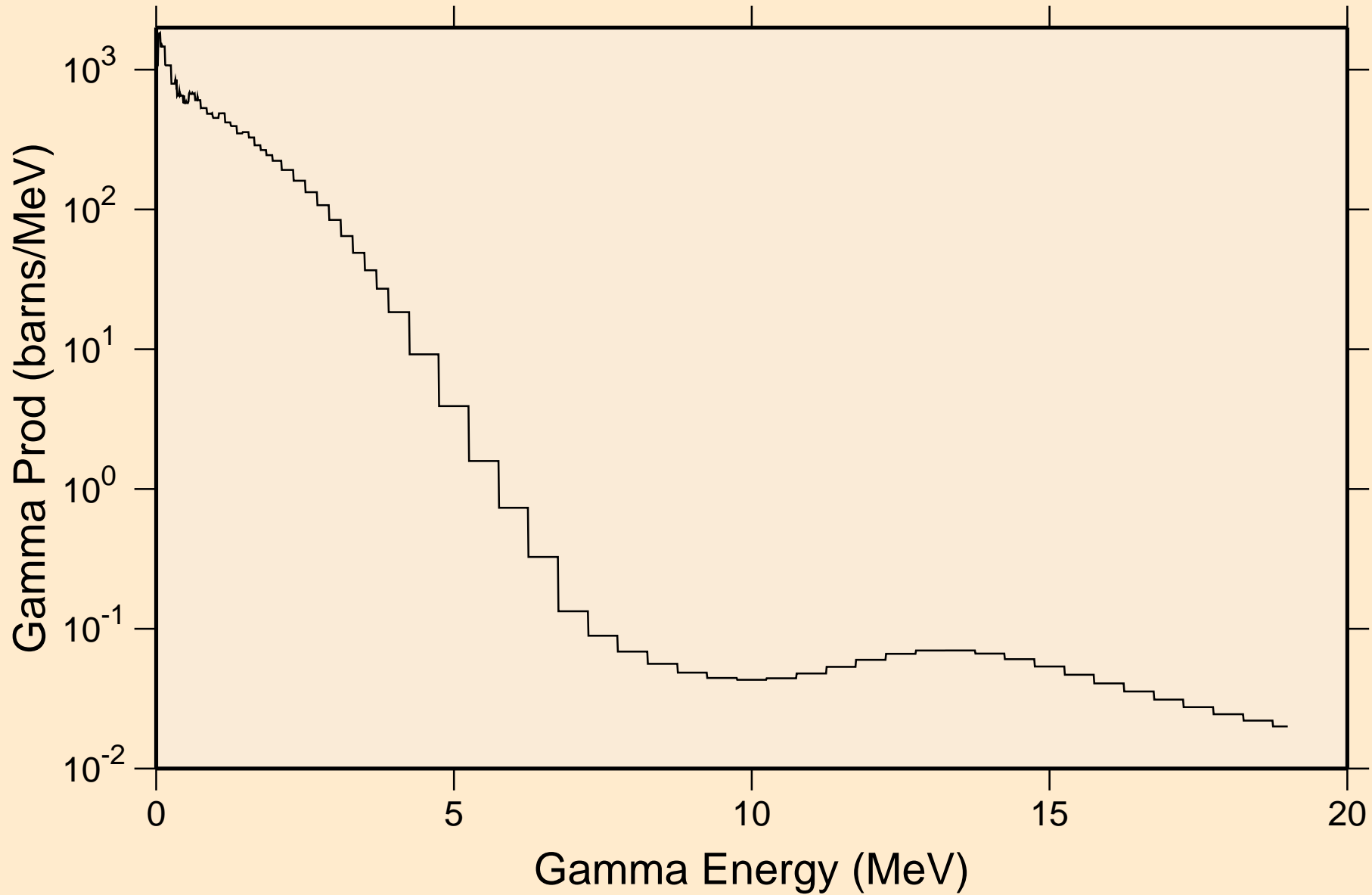
OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)



OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
thermal capture photon spectrum



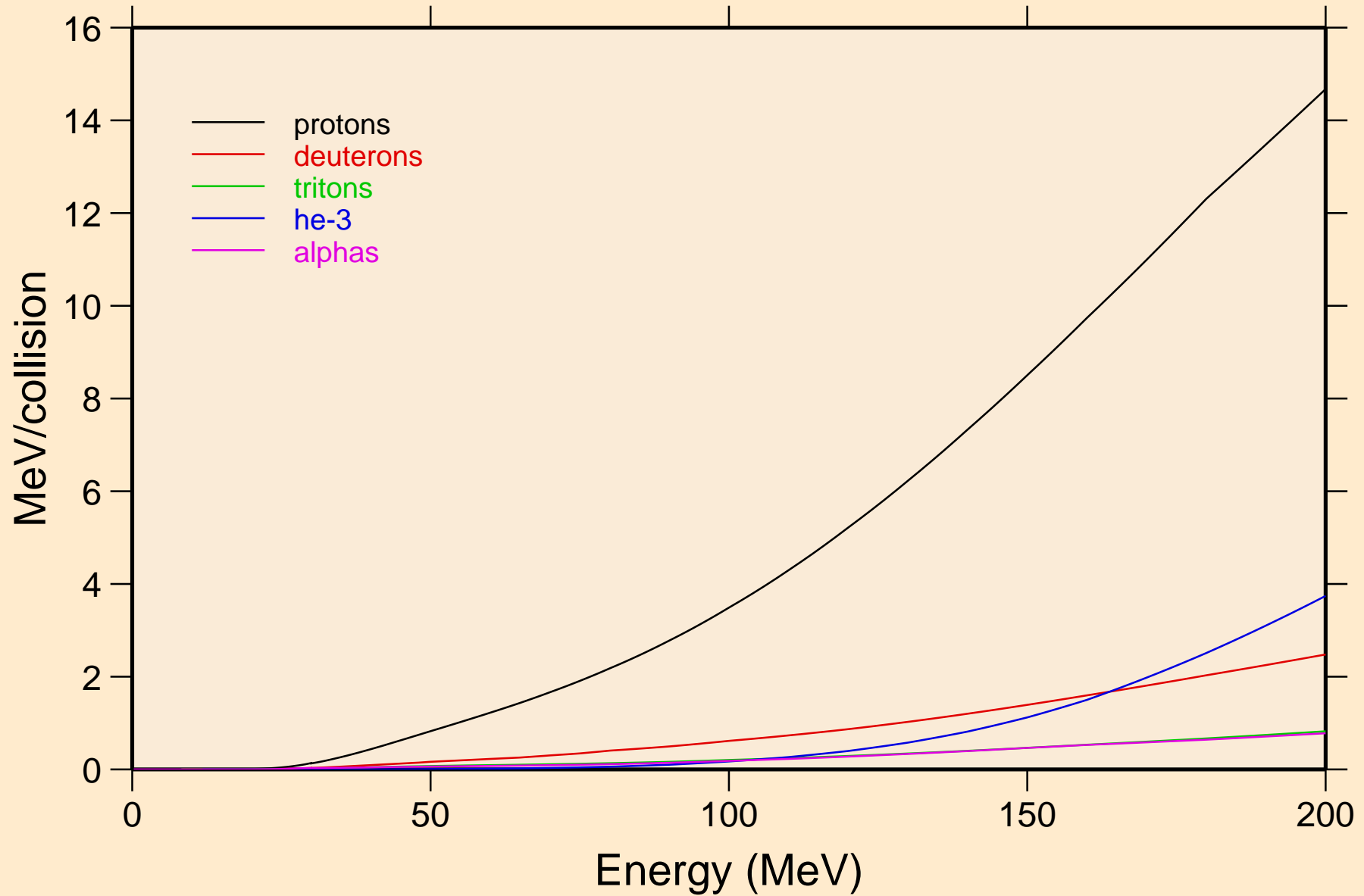
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14 MeV photon spectrum



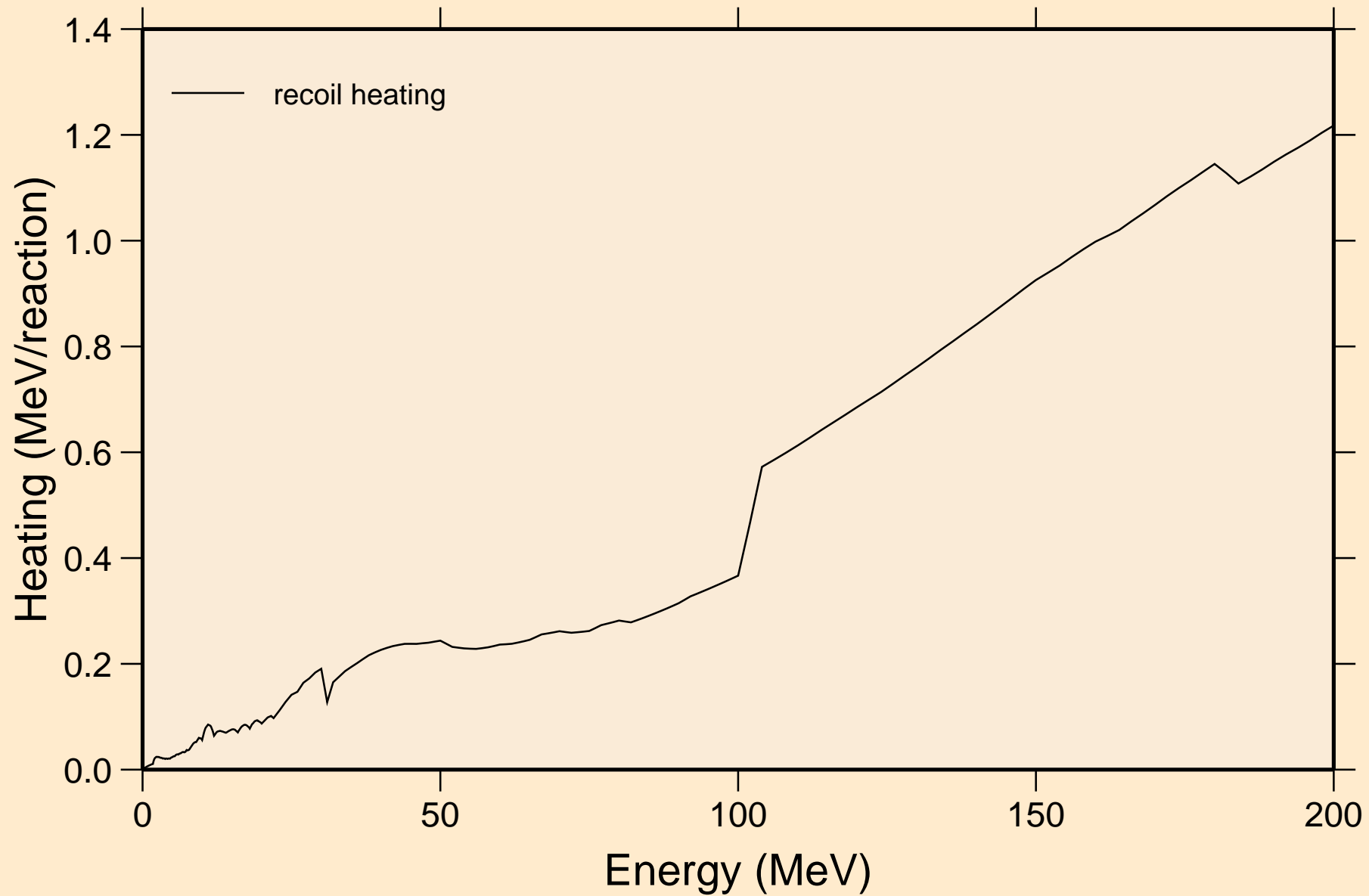


# OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

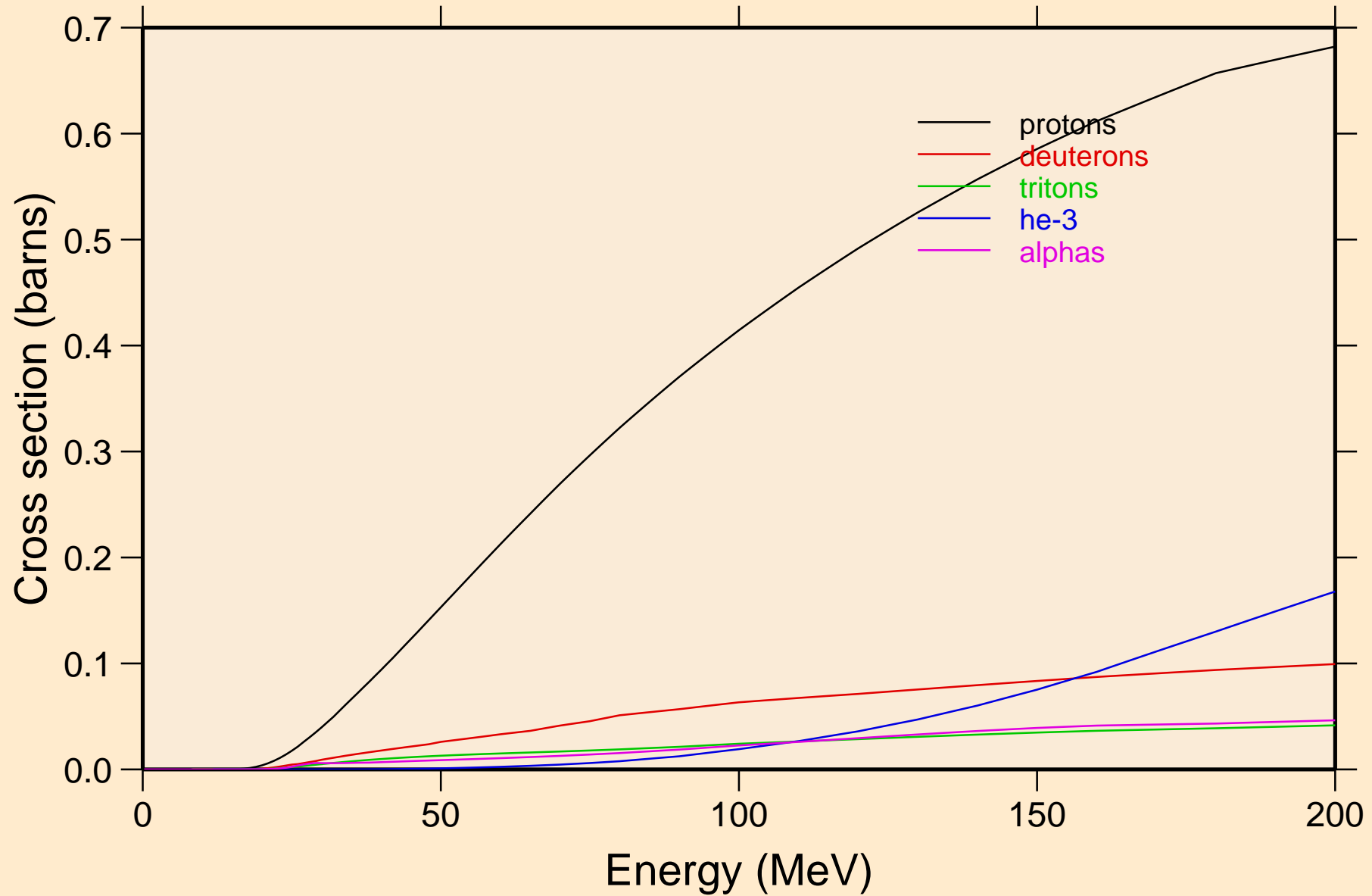
## Particle heating contributions



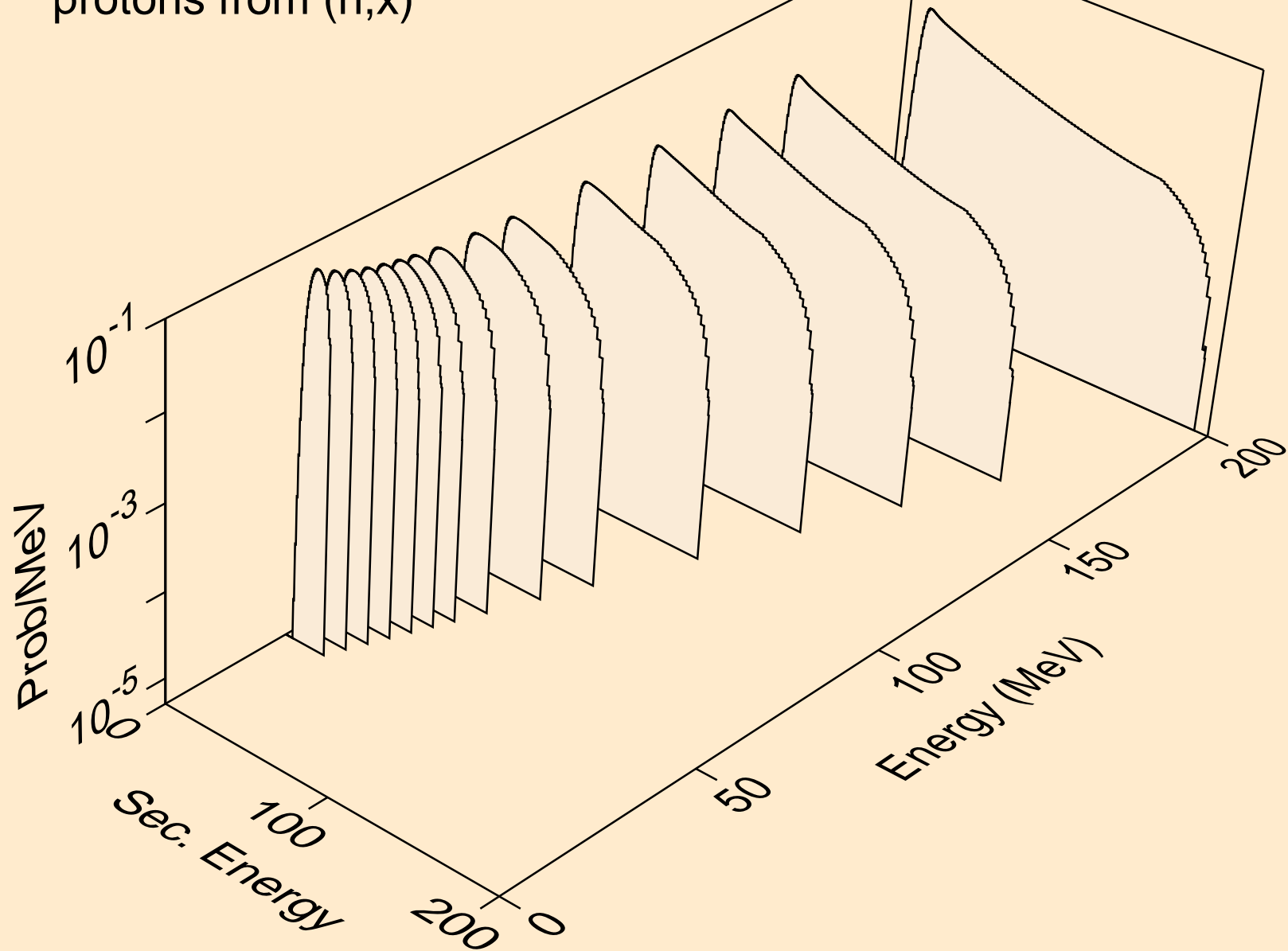
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Recoil Heating



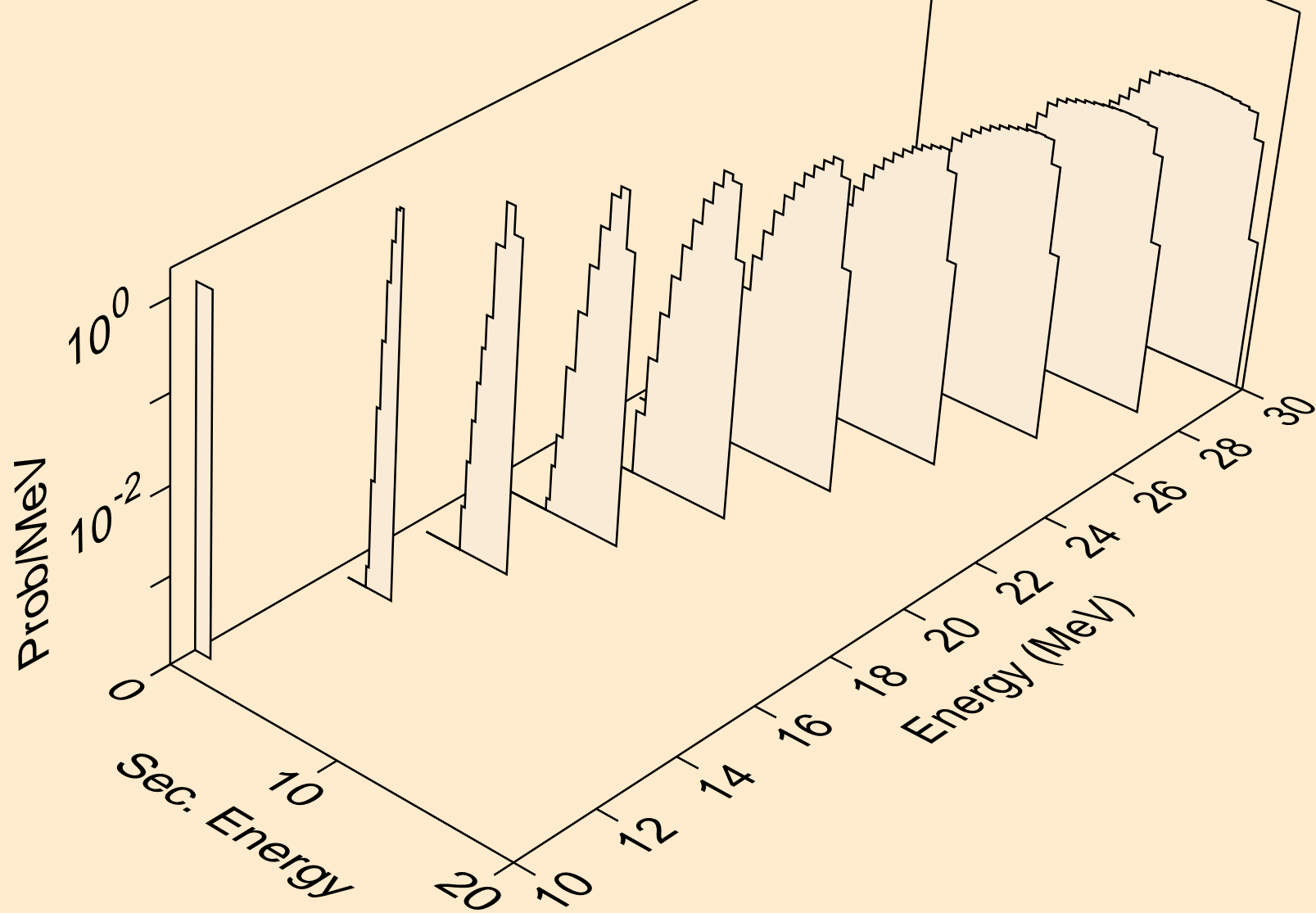
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Particle production cross sections



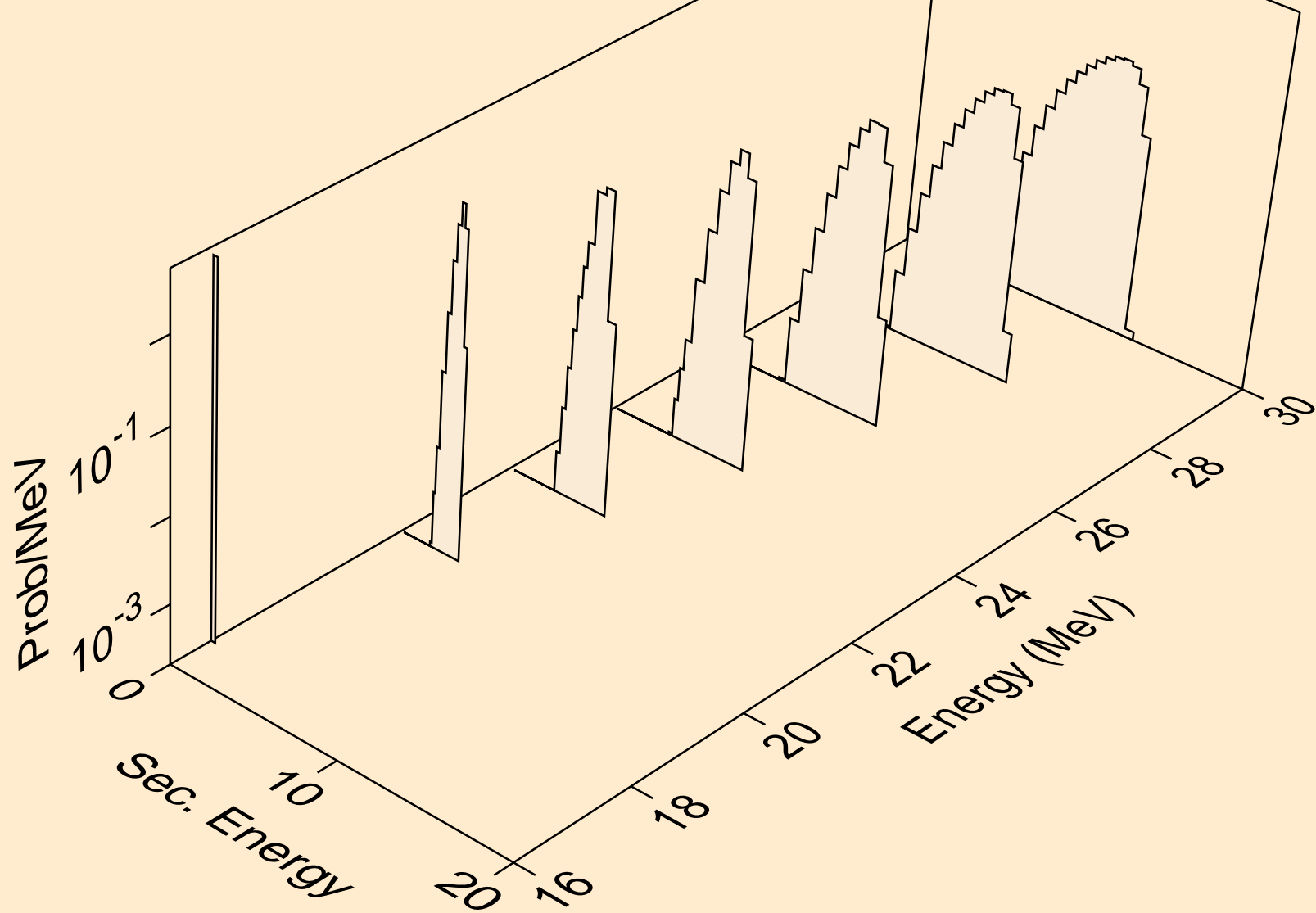
OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,x)



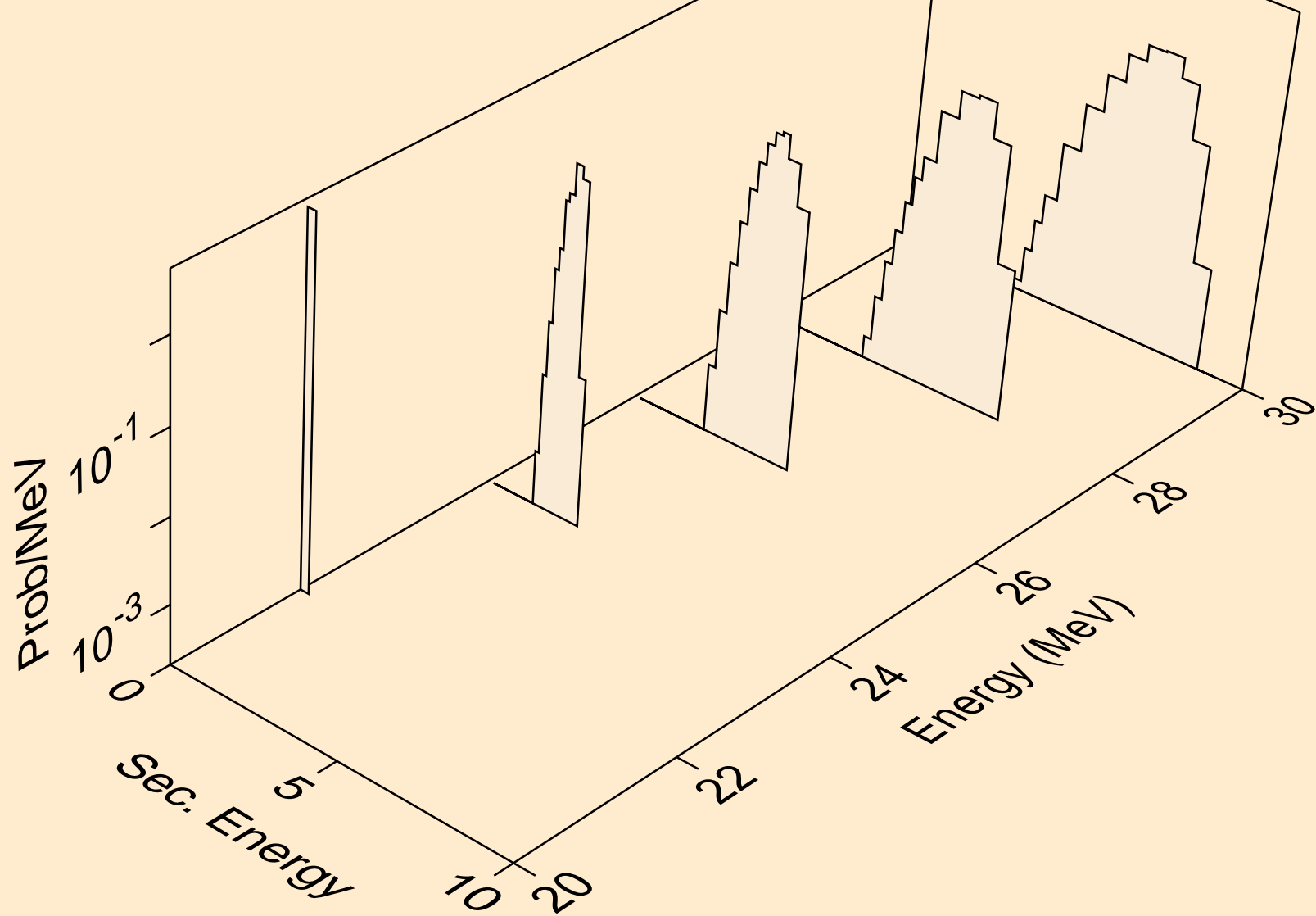
OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n\*)p



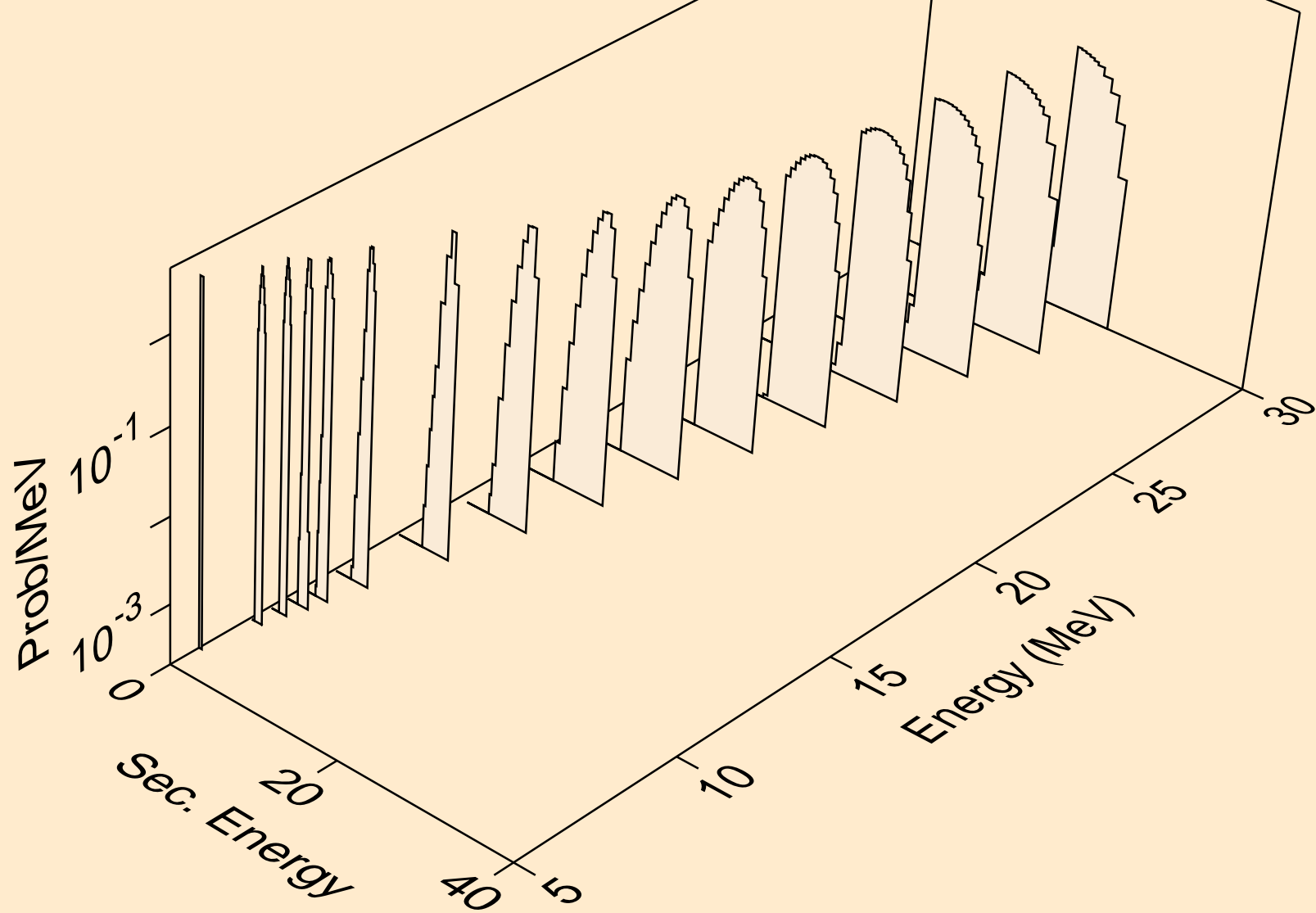
OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,2np)



OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,3np)

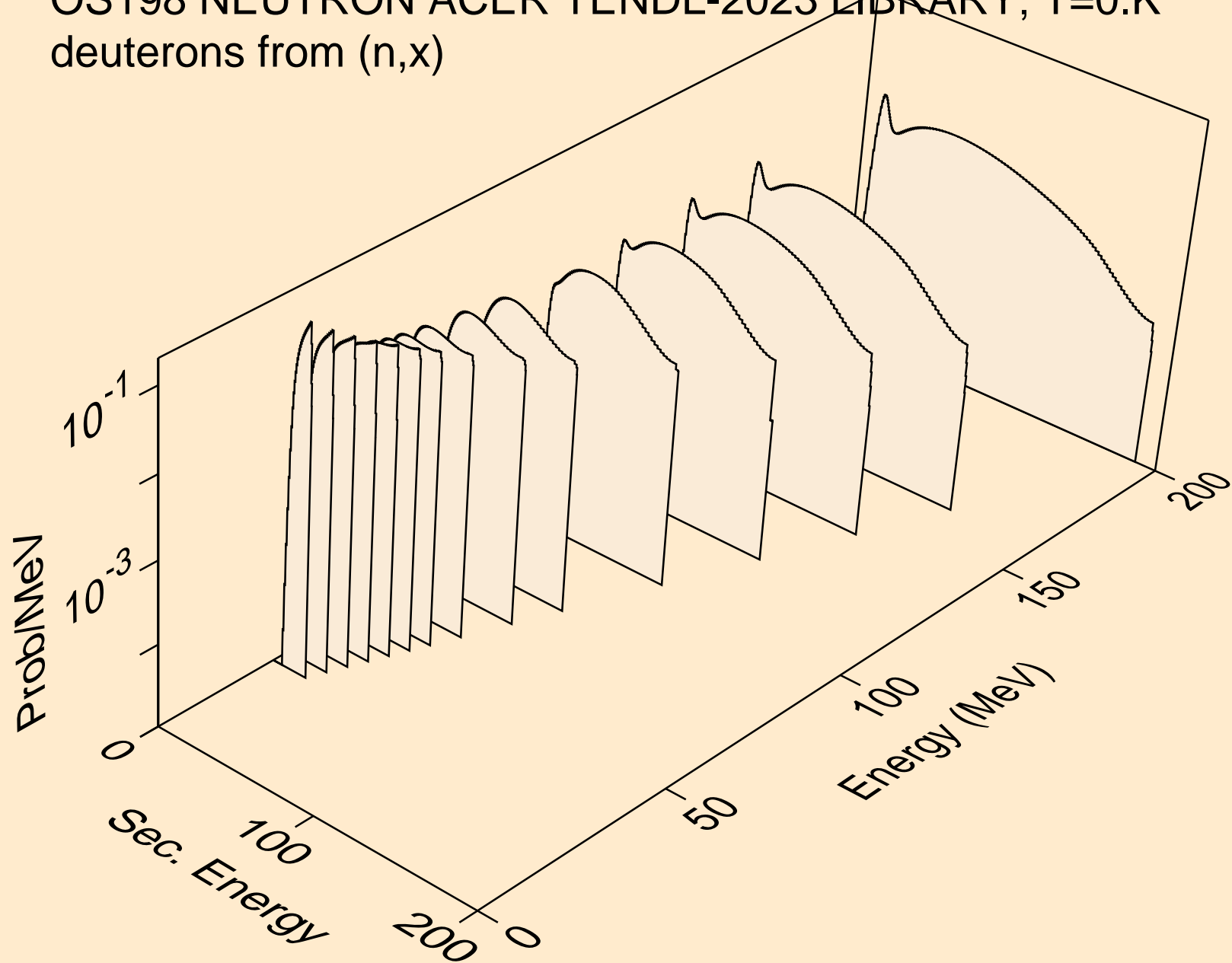


OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,p)

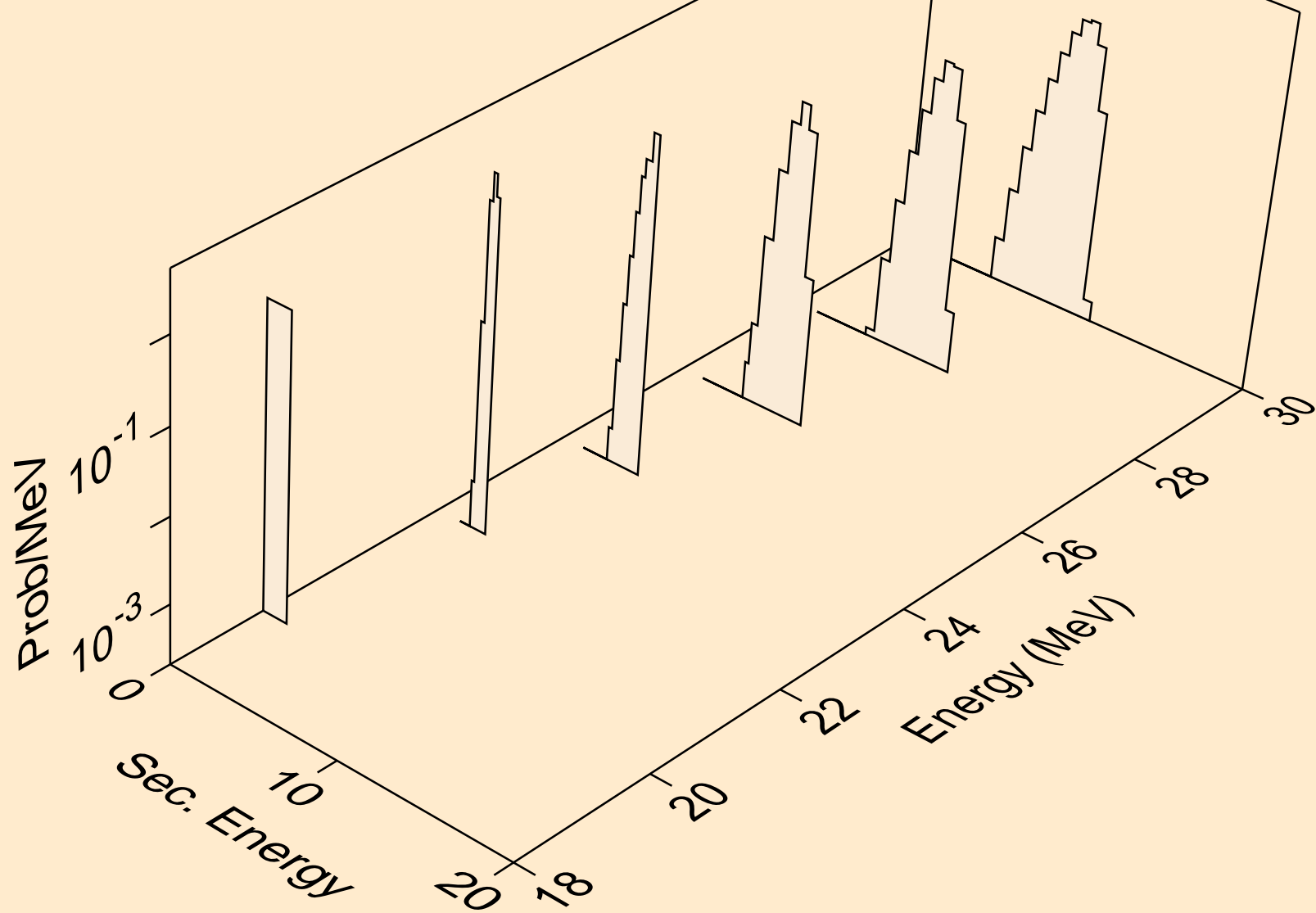




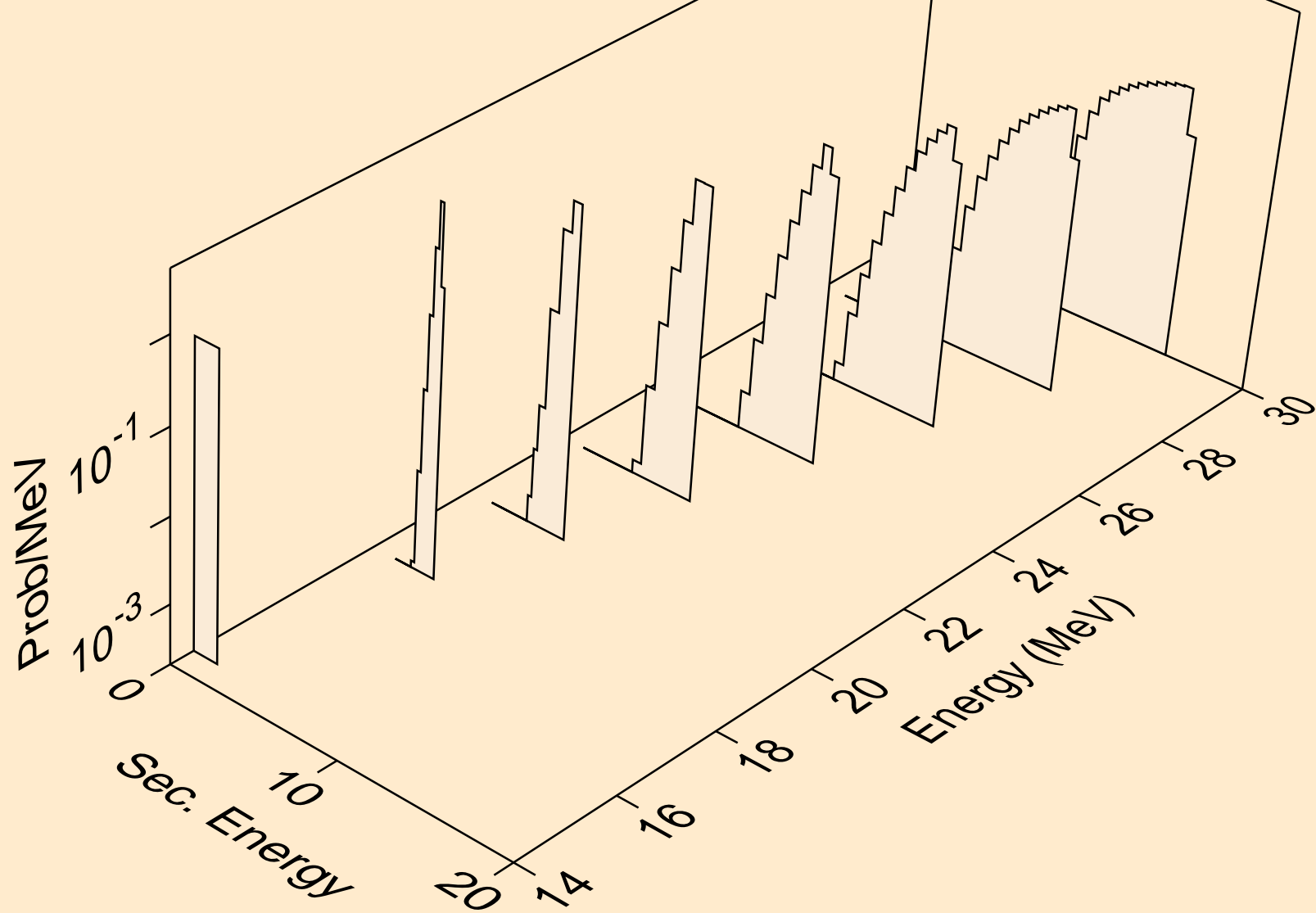
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deuterons from (n,x)



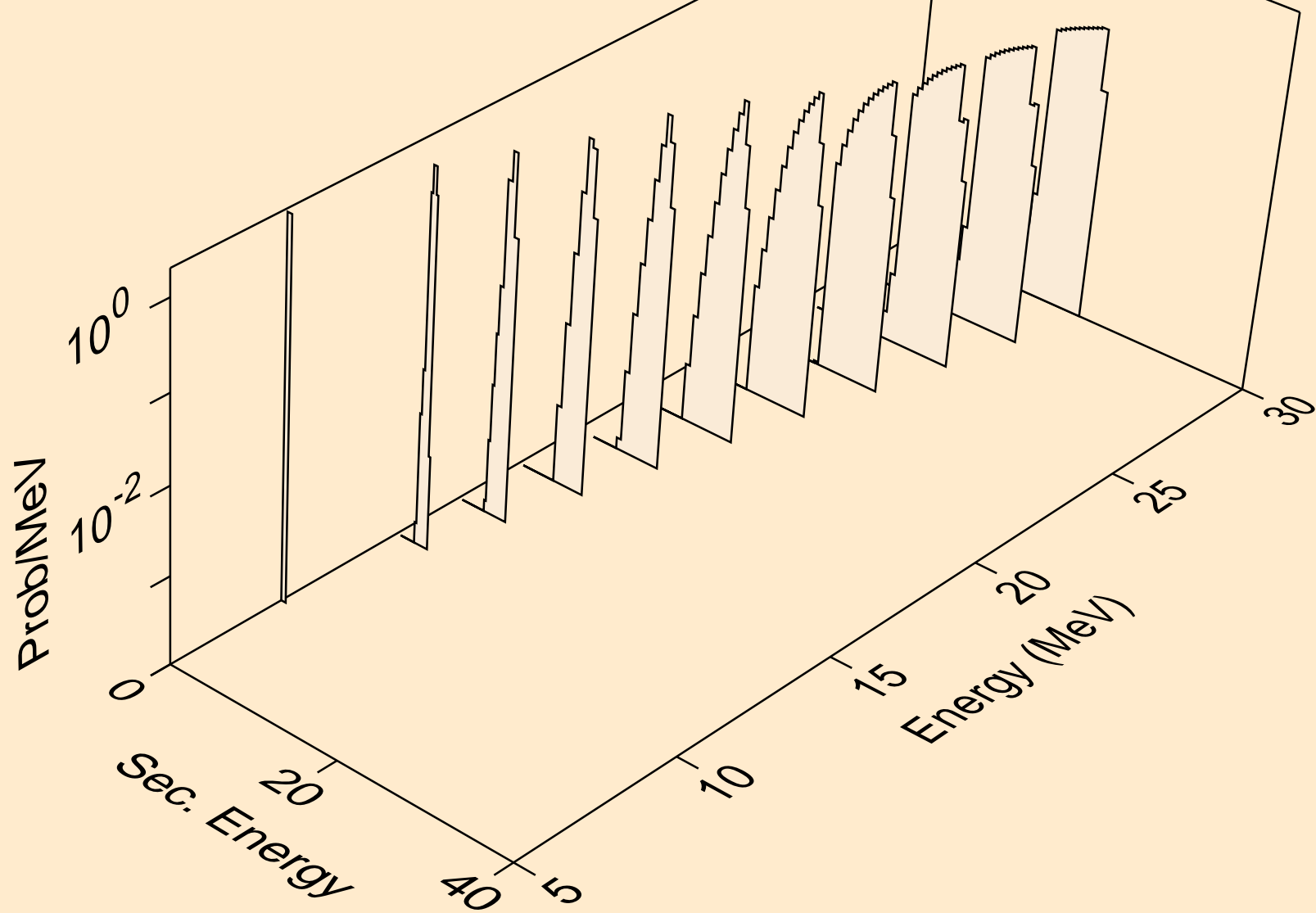
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deuterons from (n,2nd)



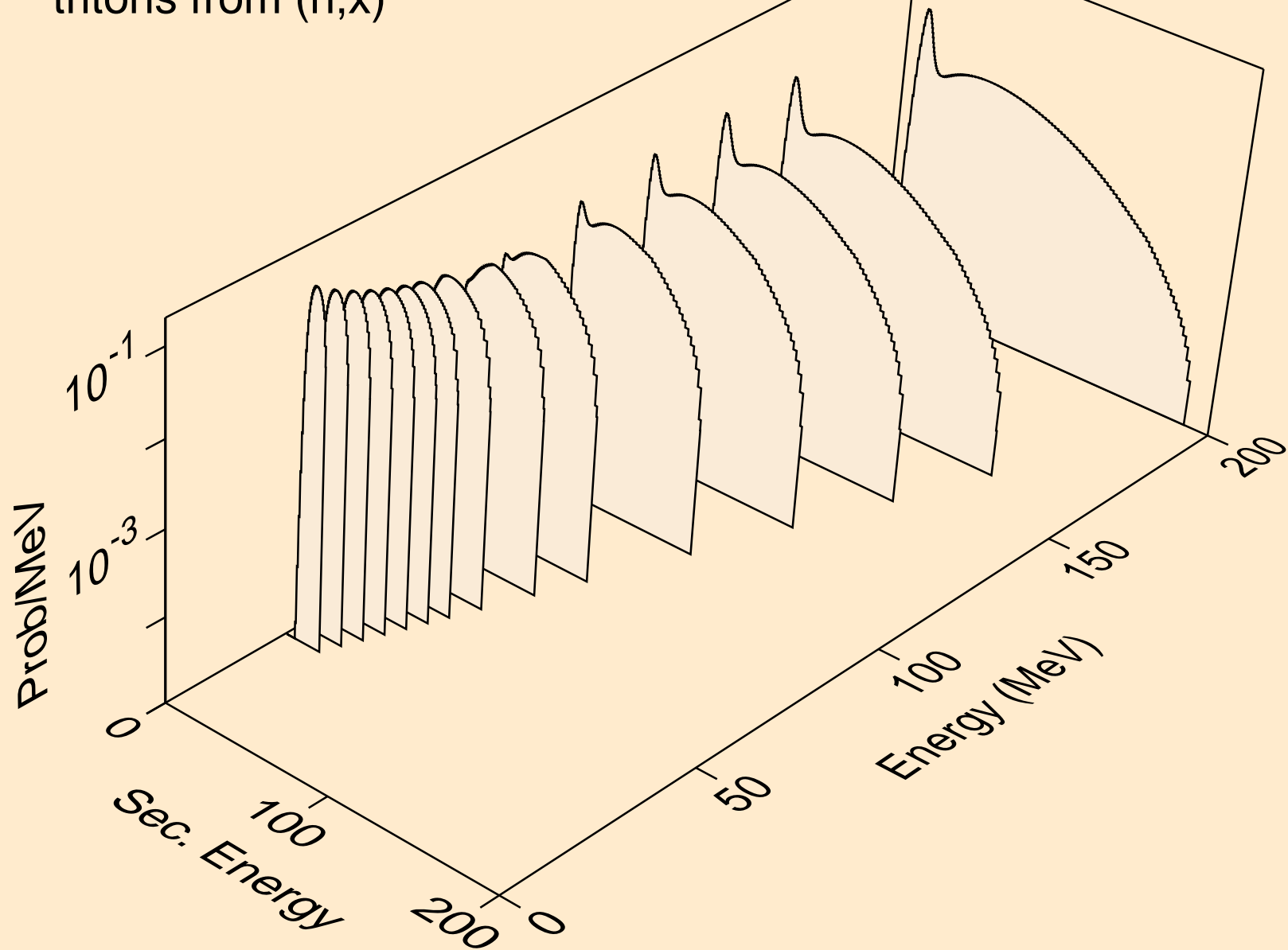
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deuterons from (n,n\*)d



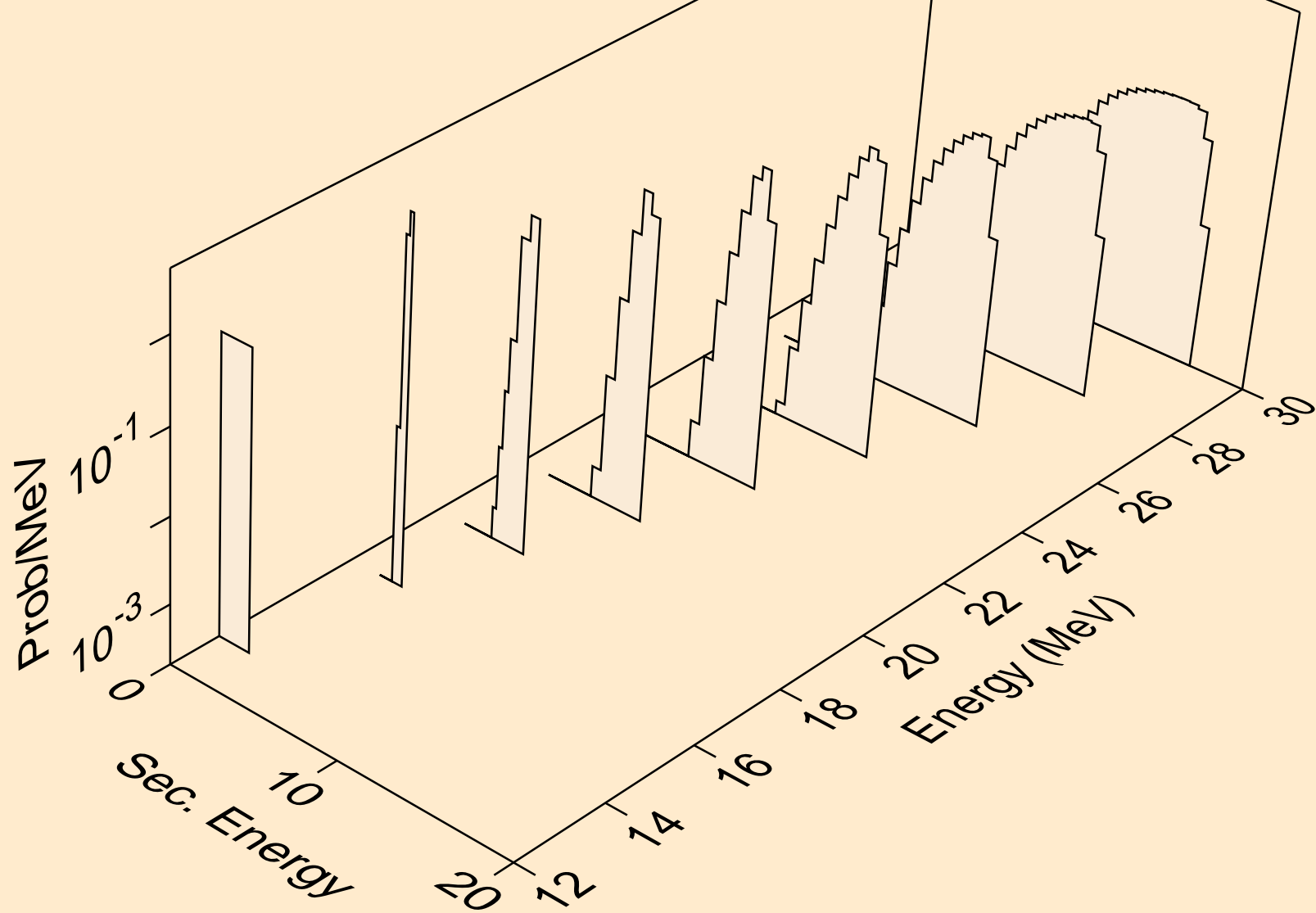
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deuterons from (n,d)



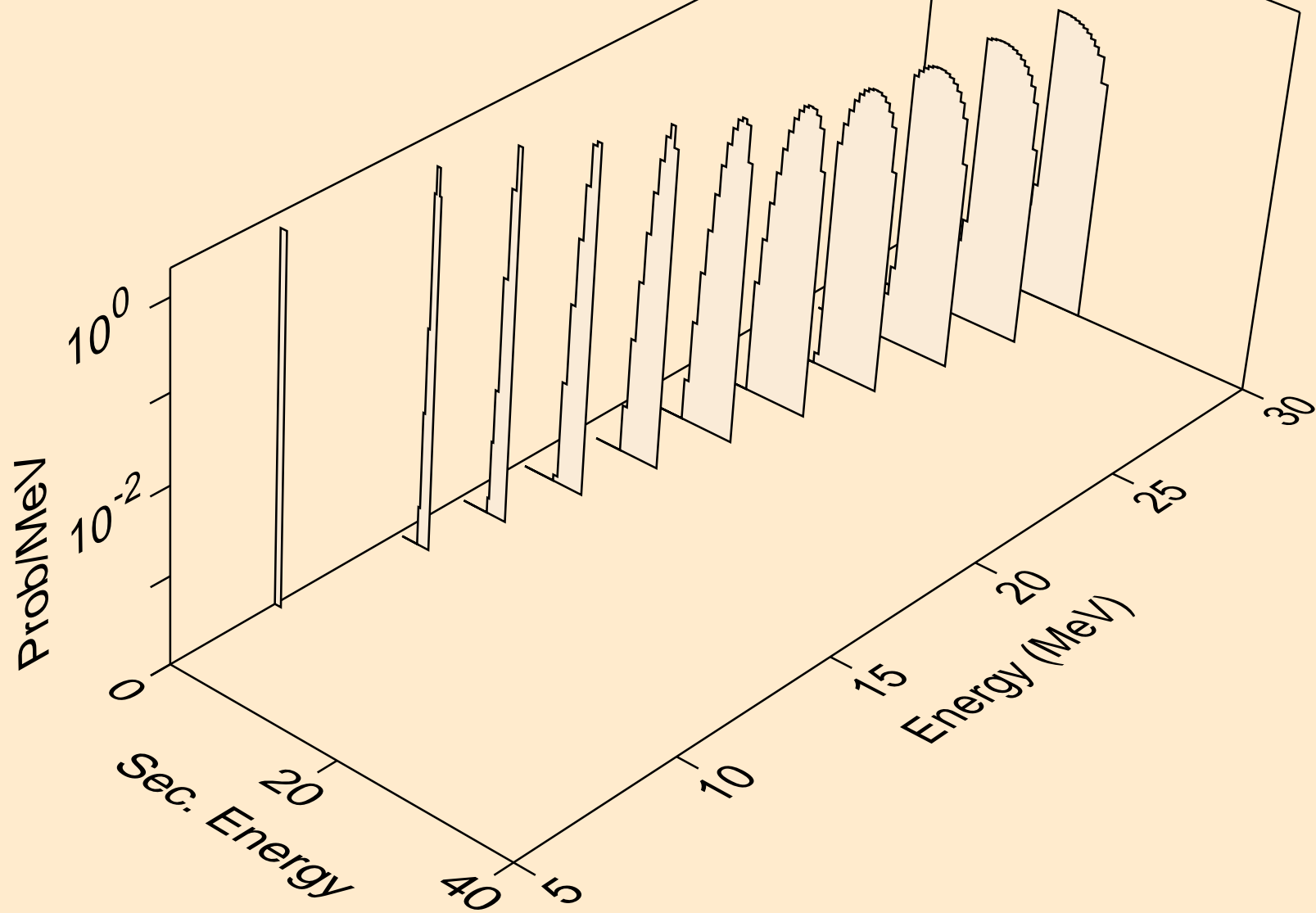
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tritons from (n,x)



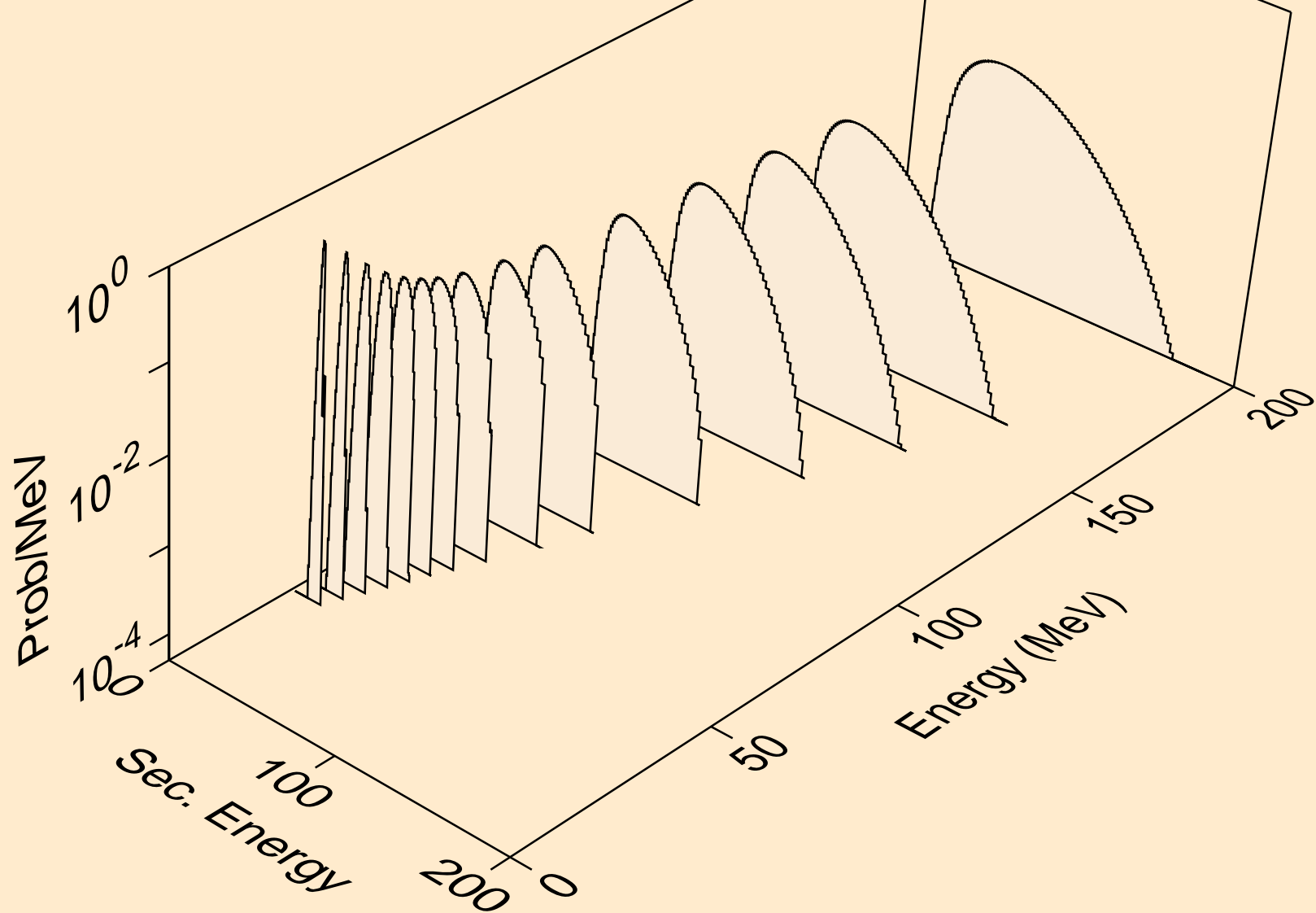
OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,n\*)t



OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,t)

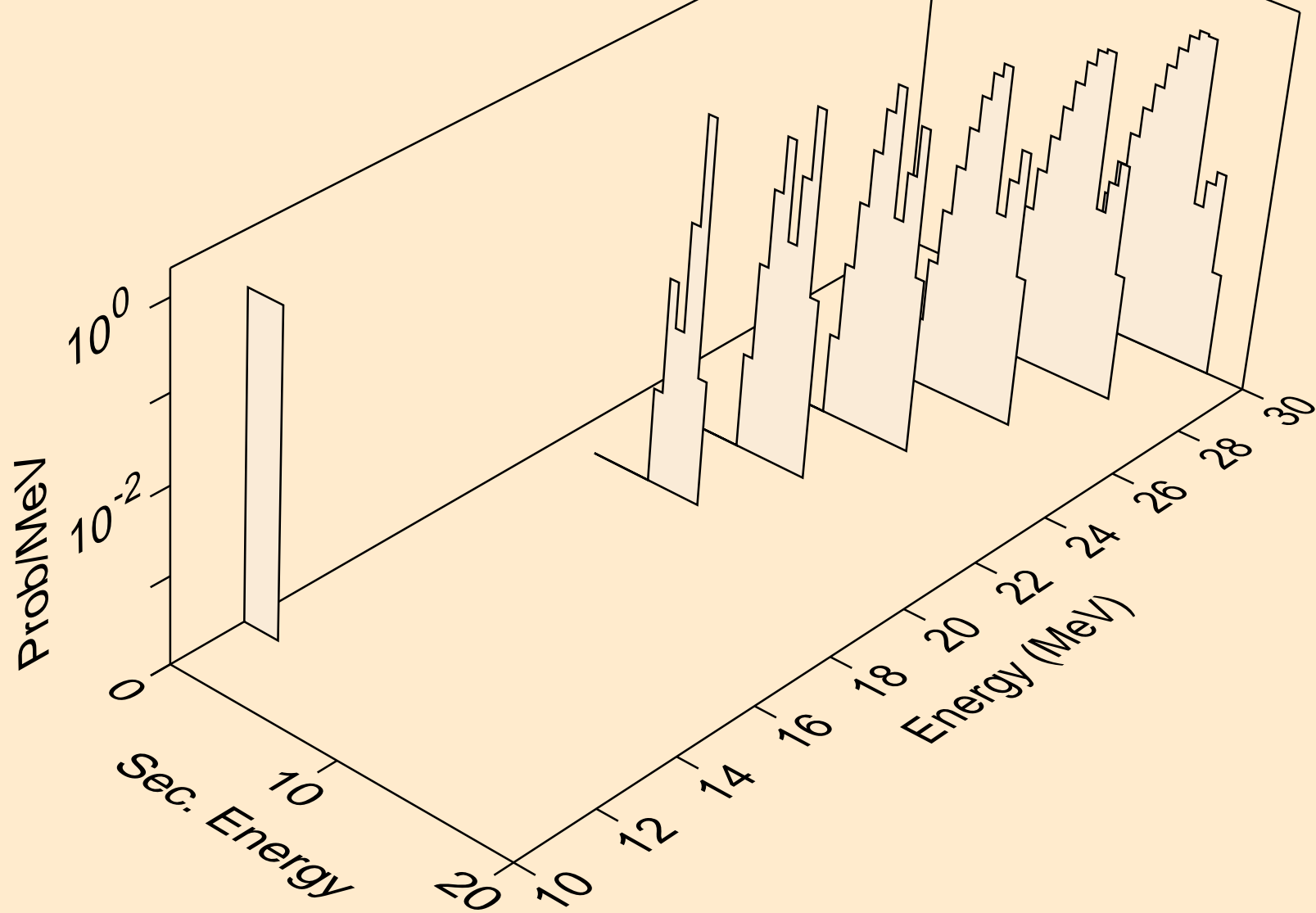


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he3s from (n,x)

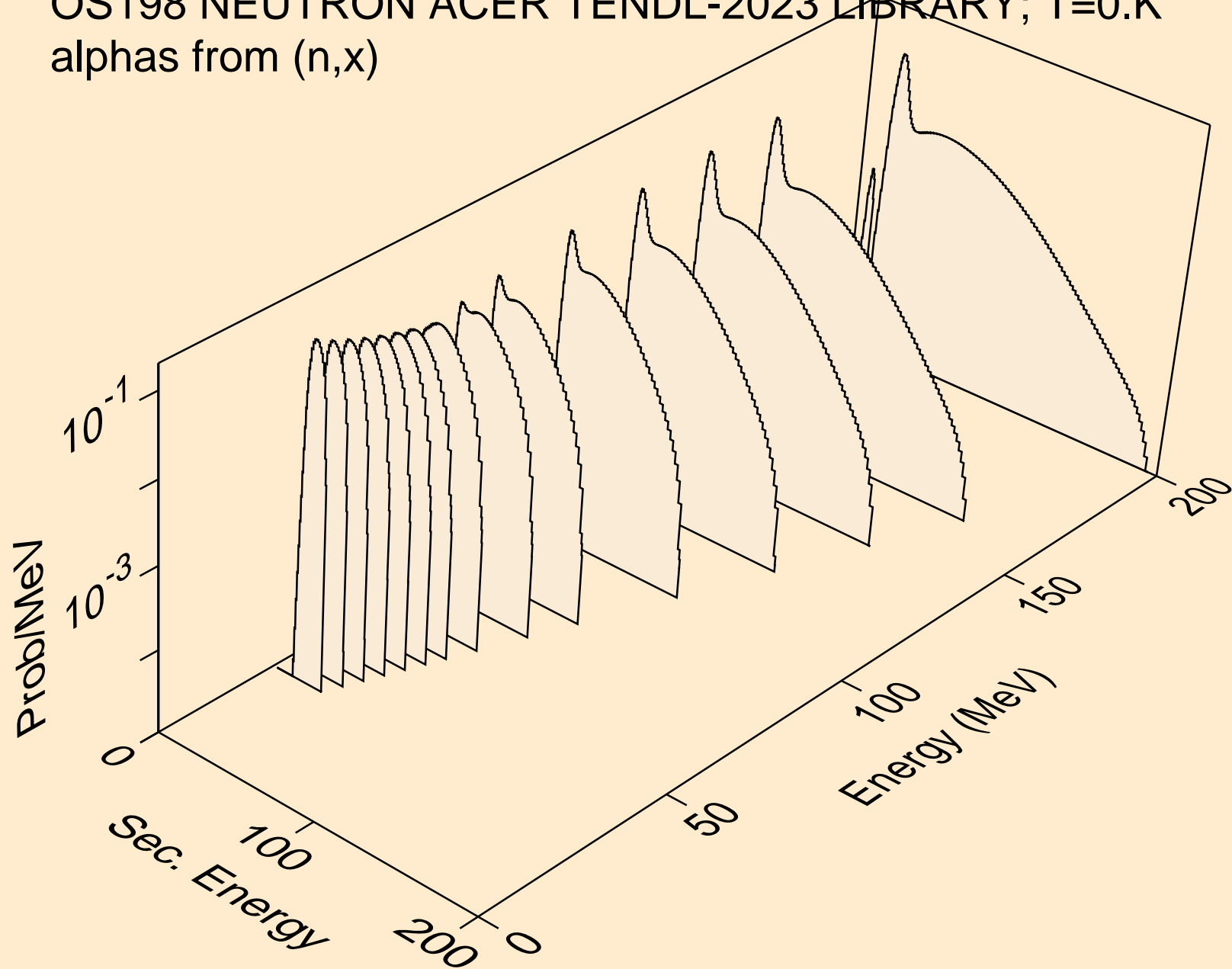




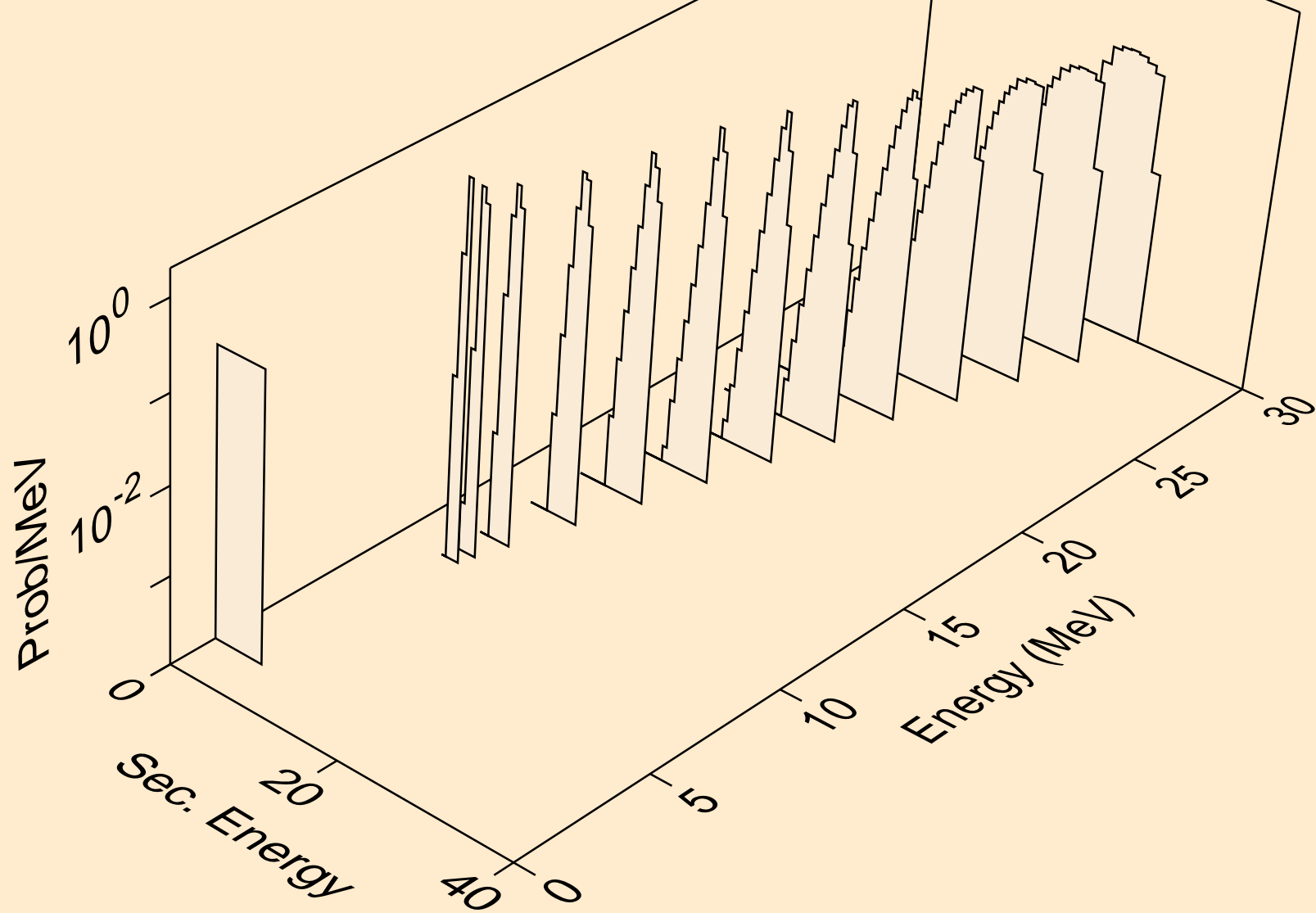
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he3s from (n,he3)



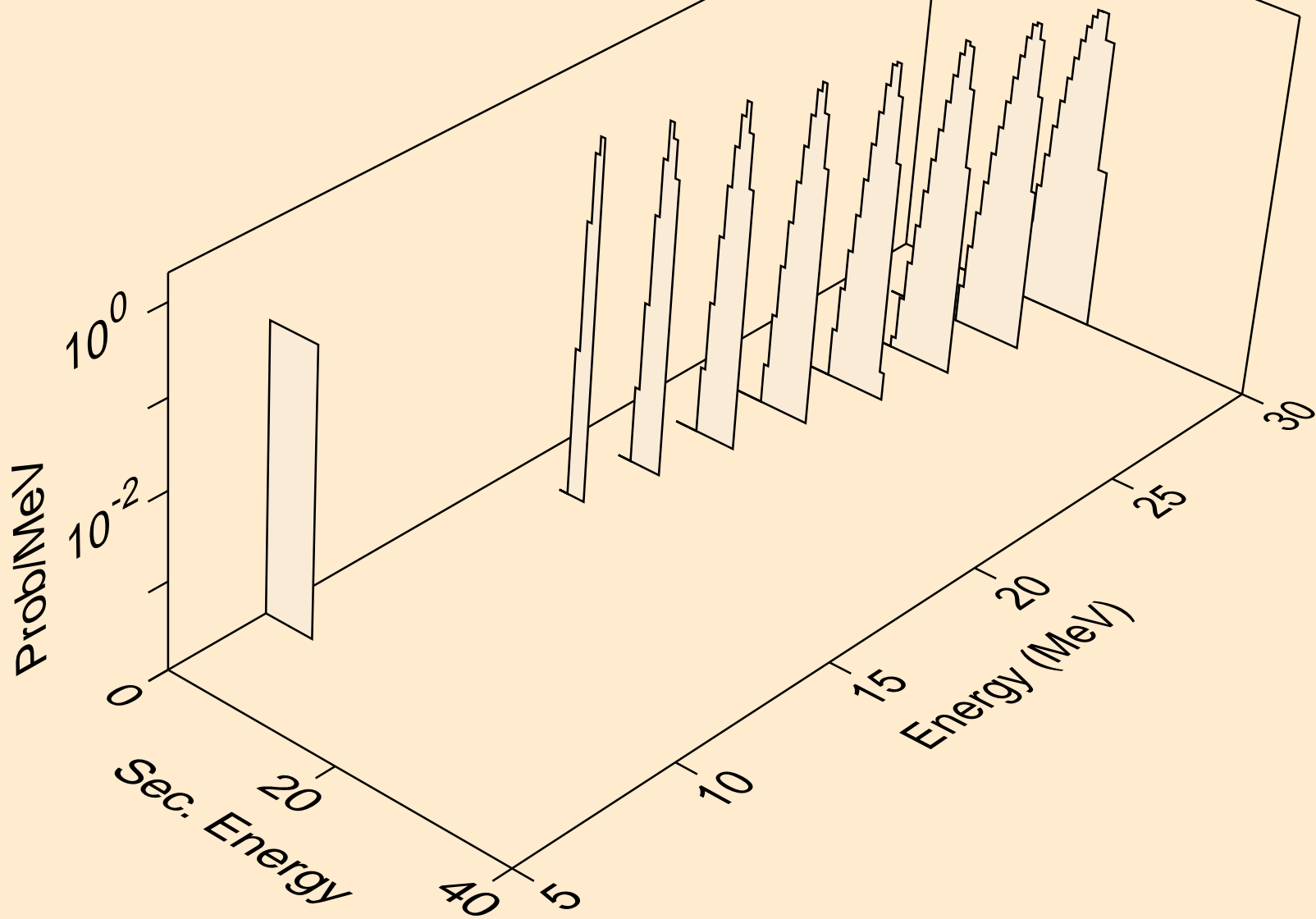
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alphas from (n,x)



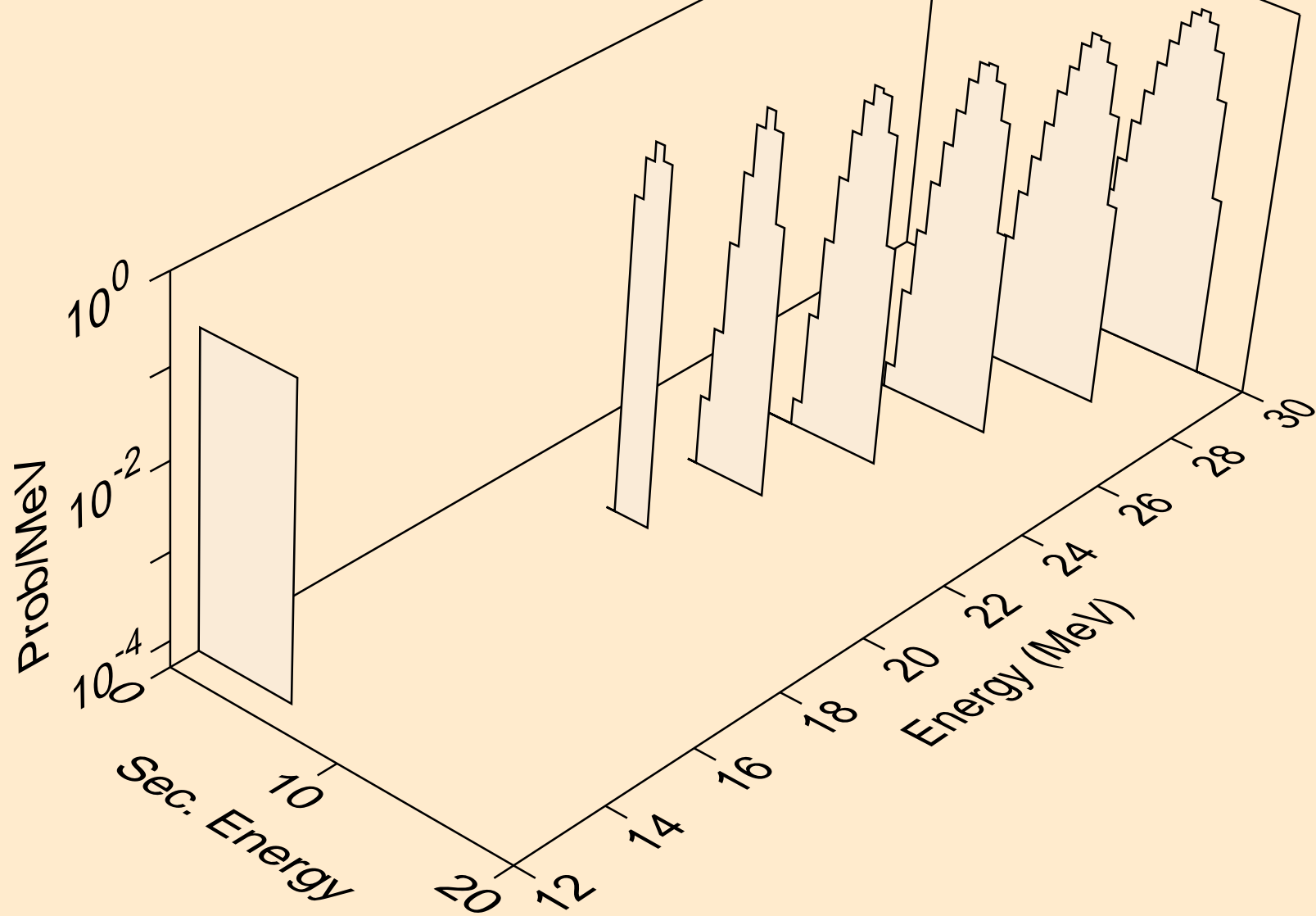
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alphas from (n,n\*)a



OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2n)a



OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,3n)a



OS198 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,a)

