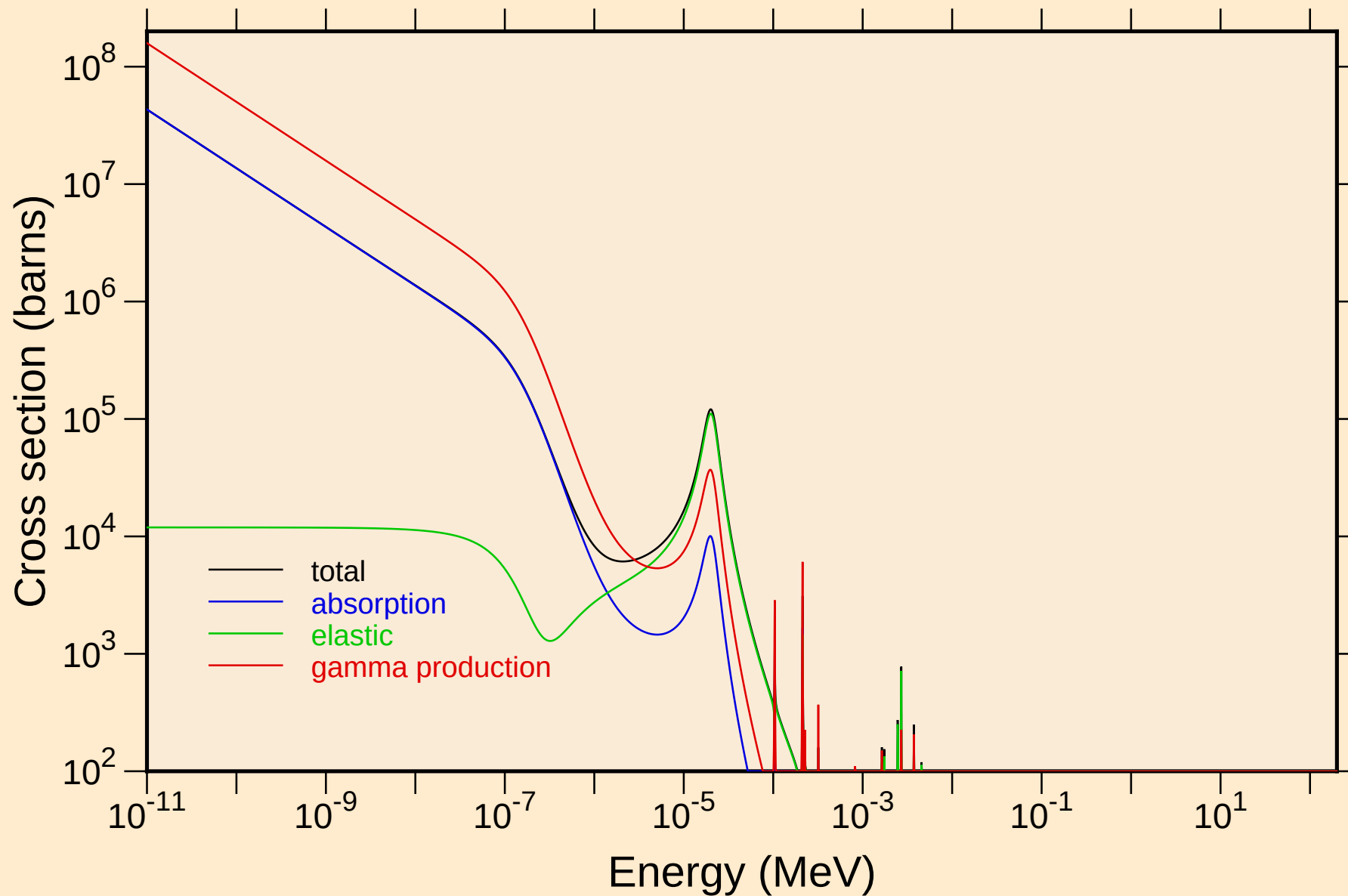
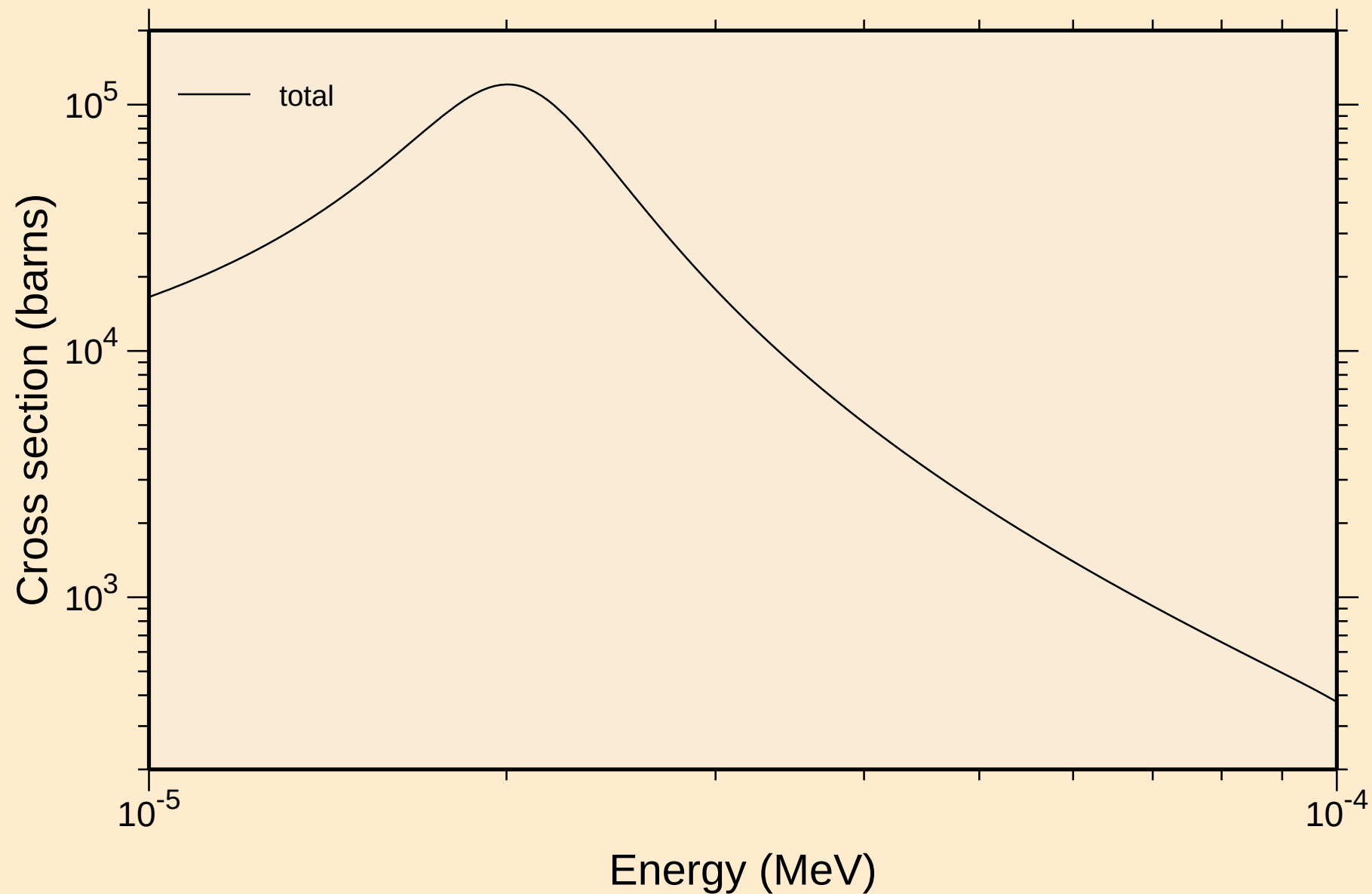


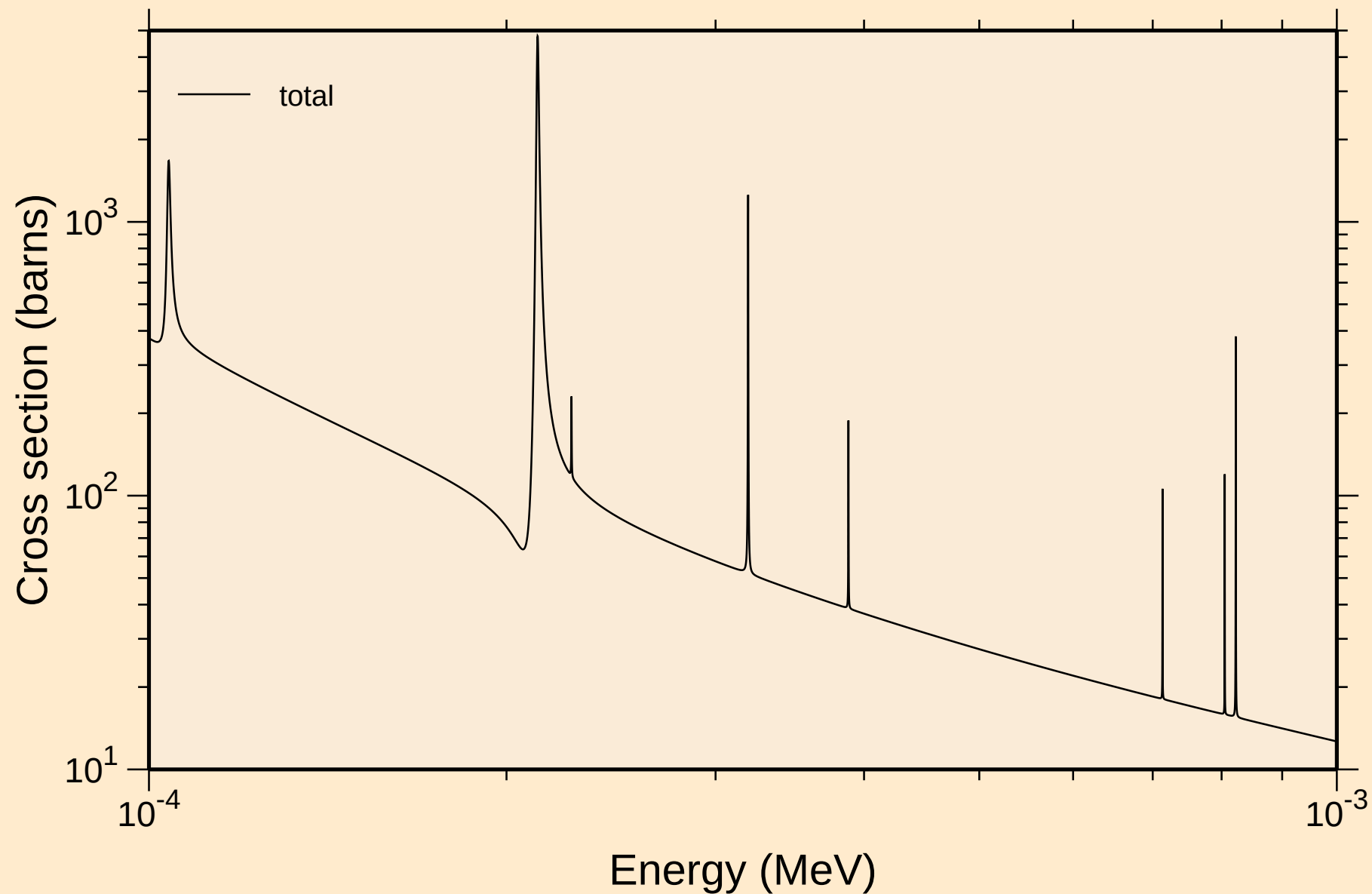
ZR088 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Principal cross sections



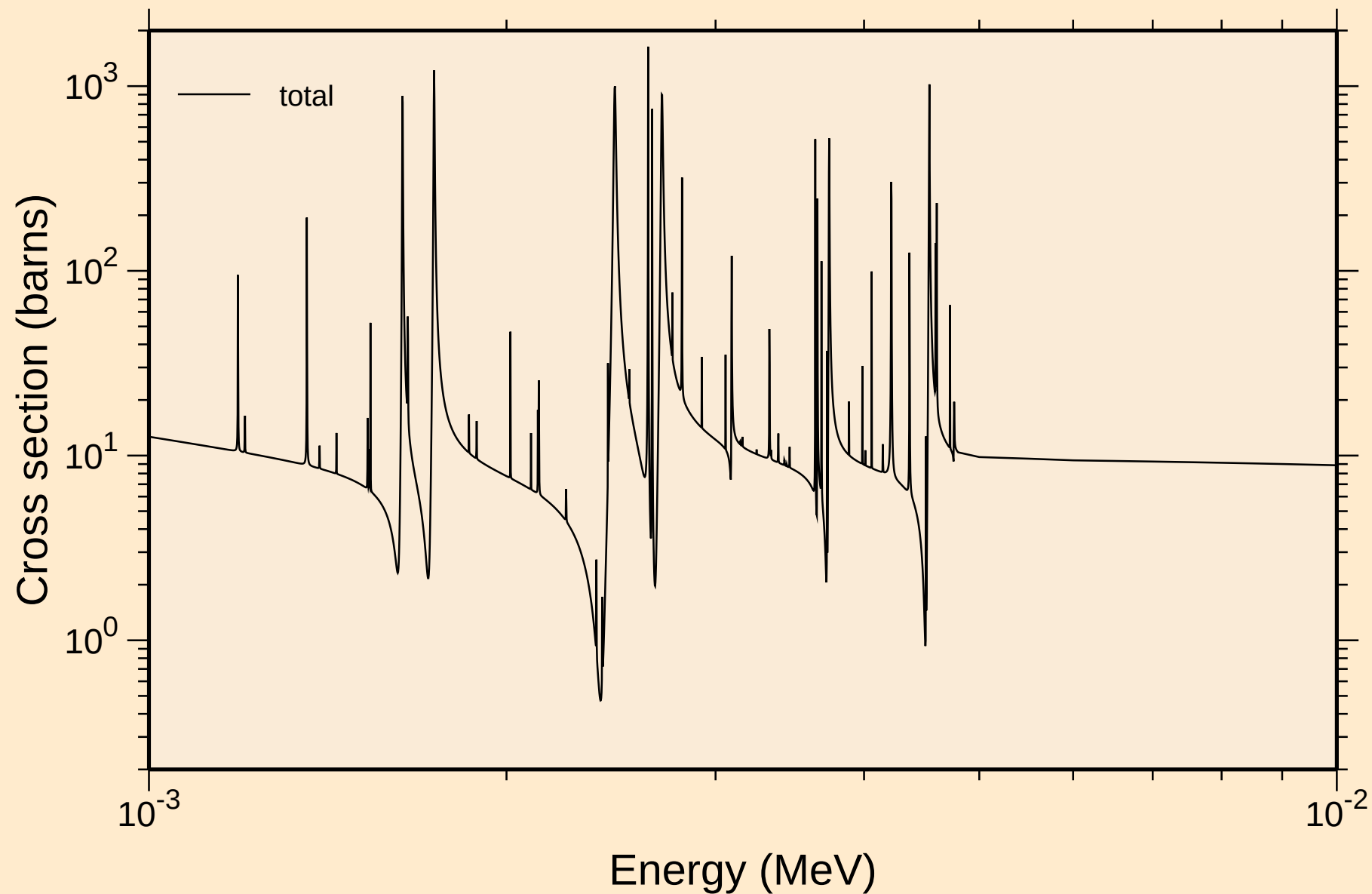
ZR088 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



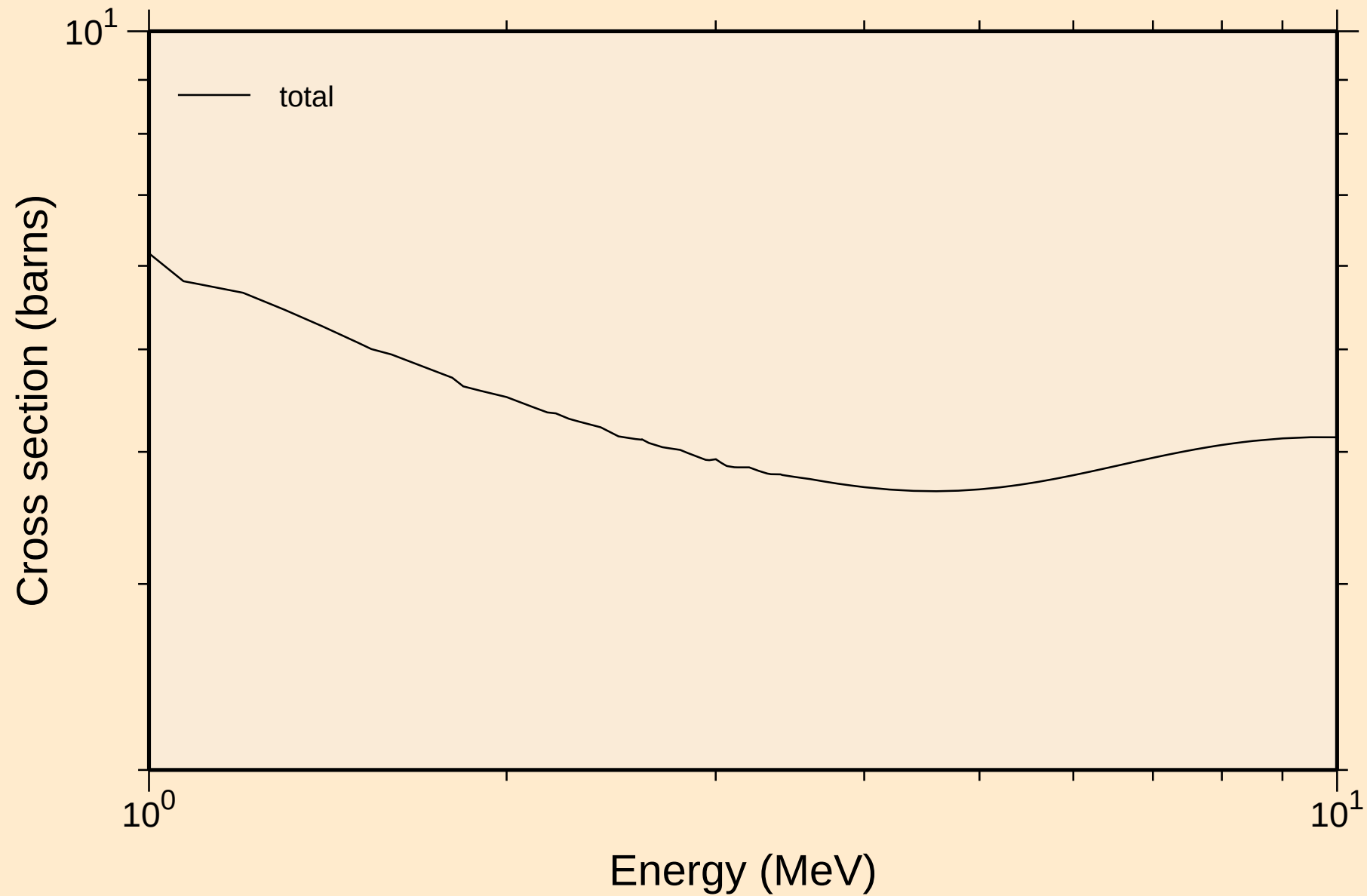
ZR088 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



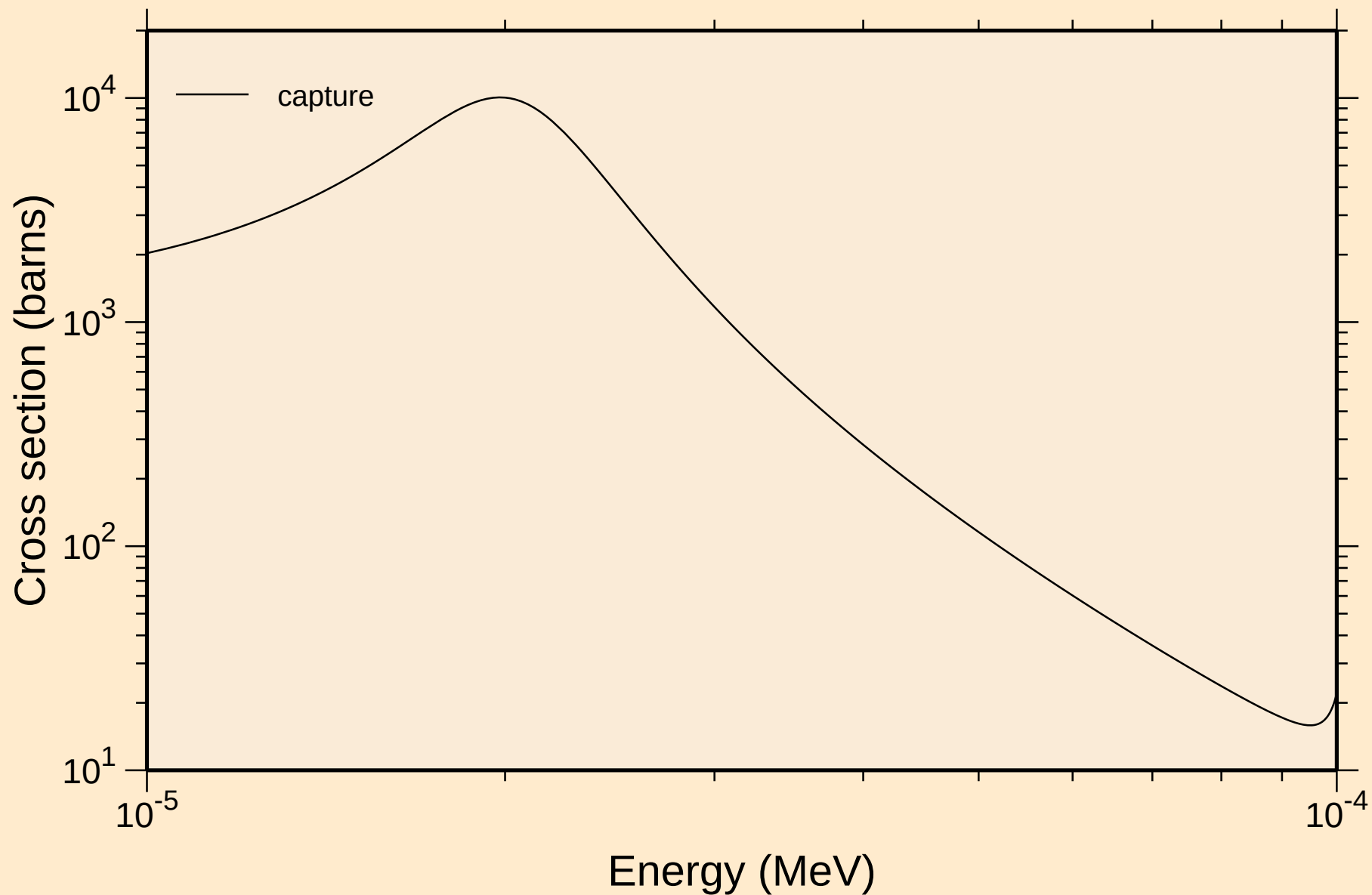
ZR088 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



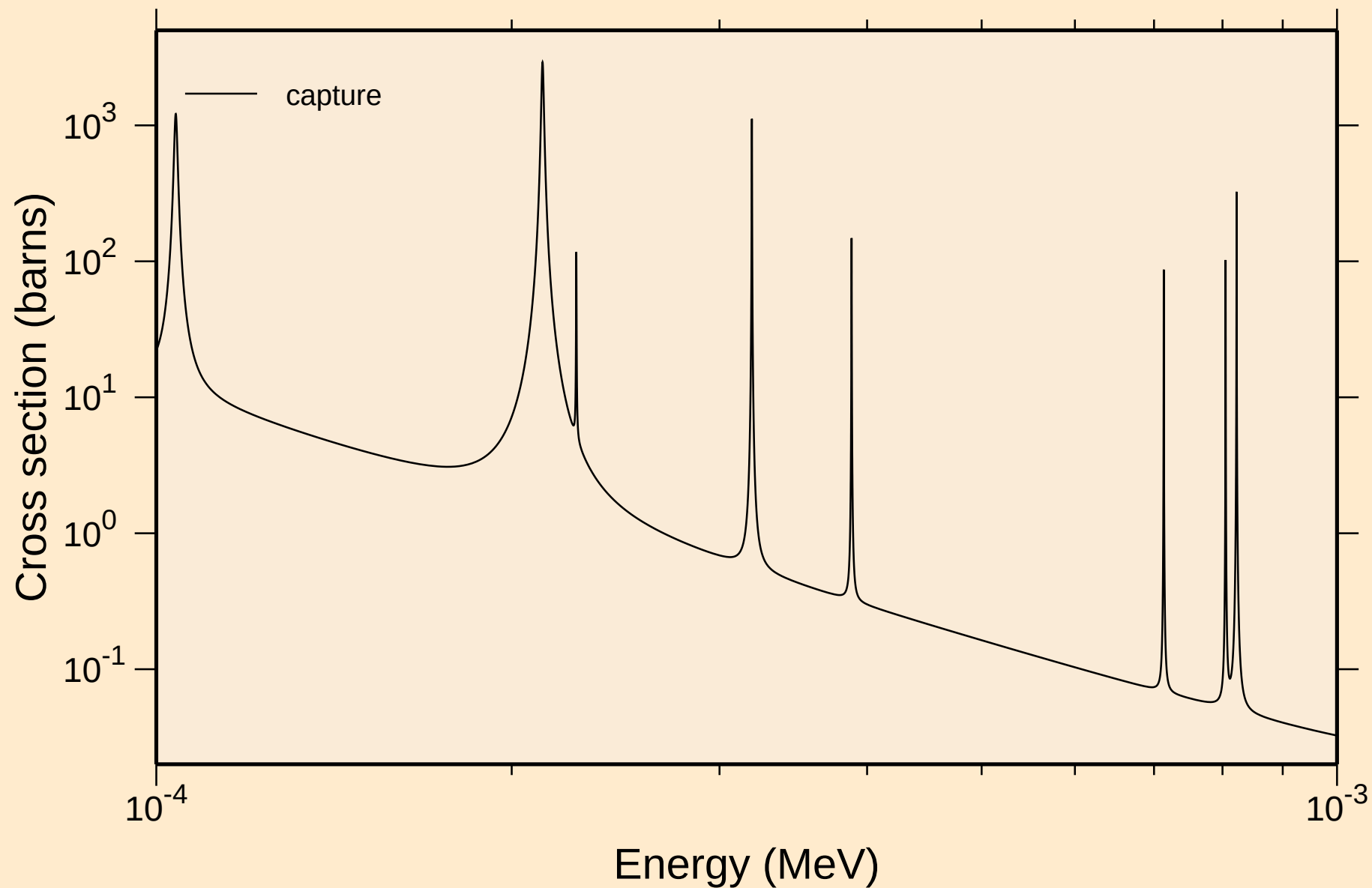
ZR088 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



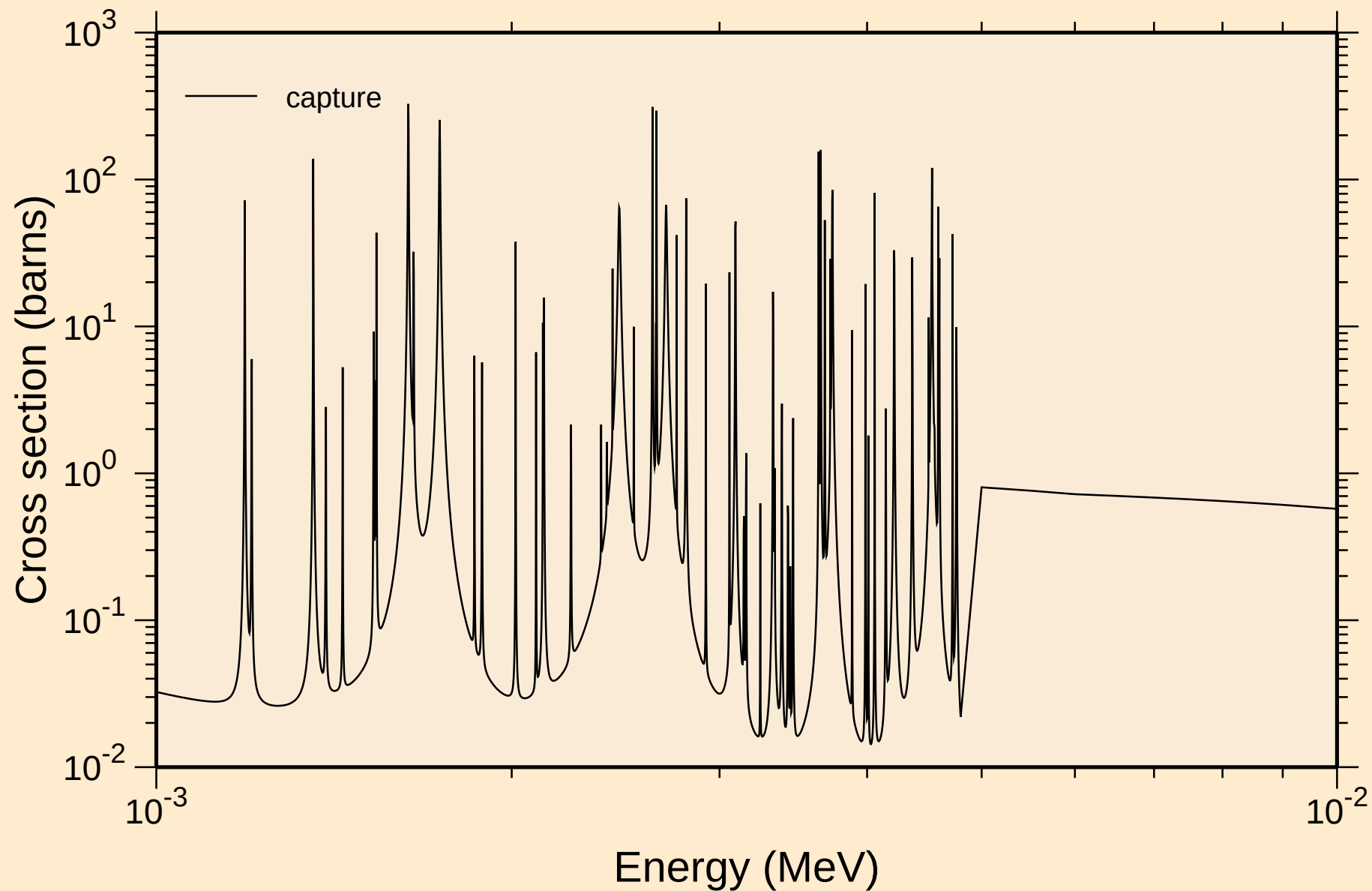
ZR088 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



ZR088 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections

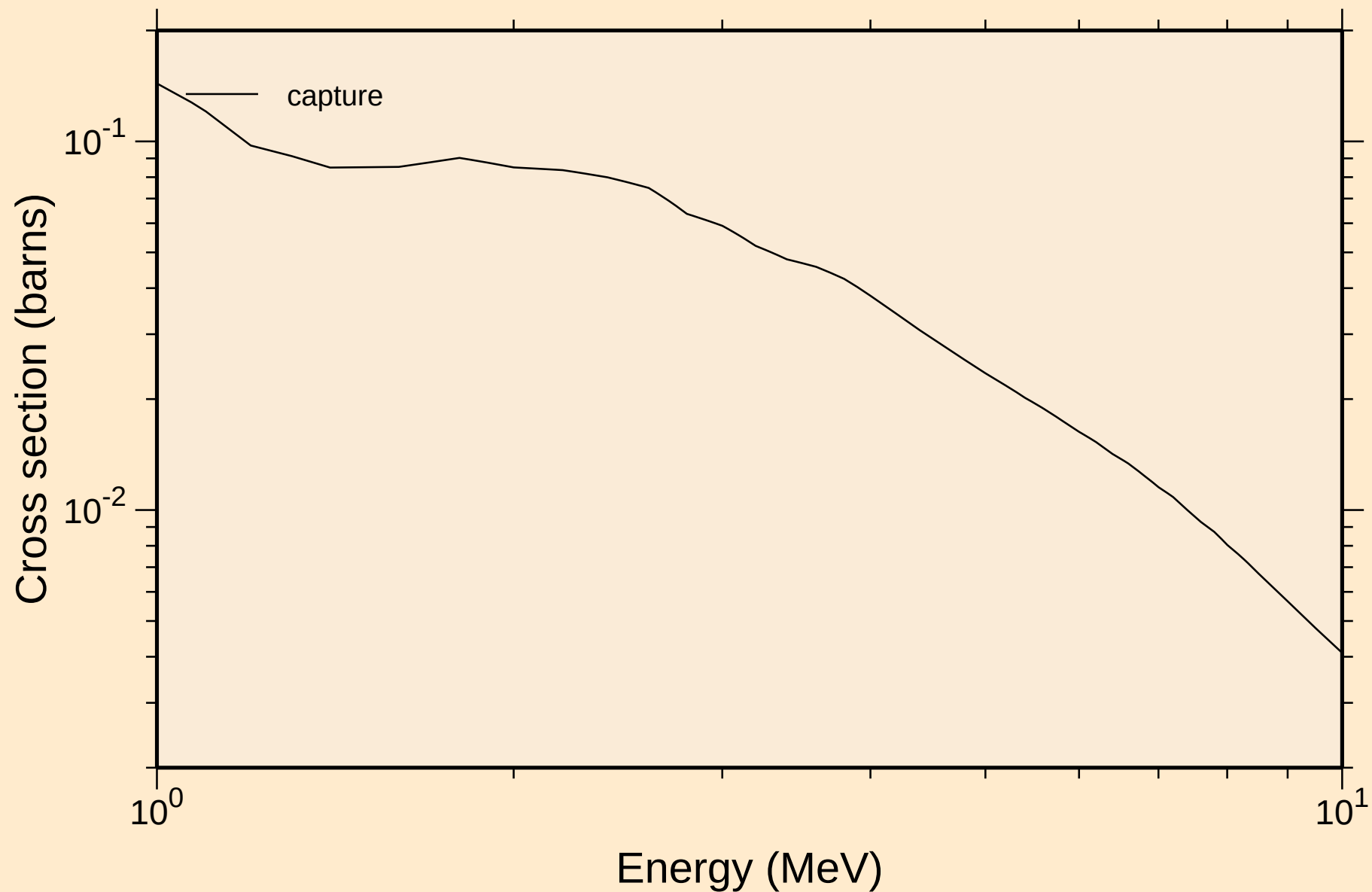


ZR088 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



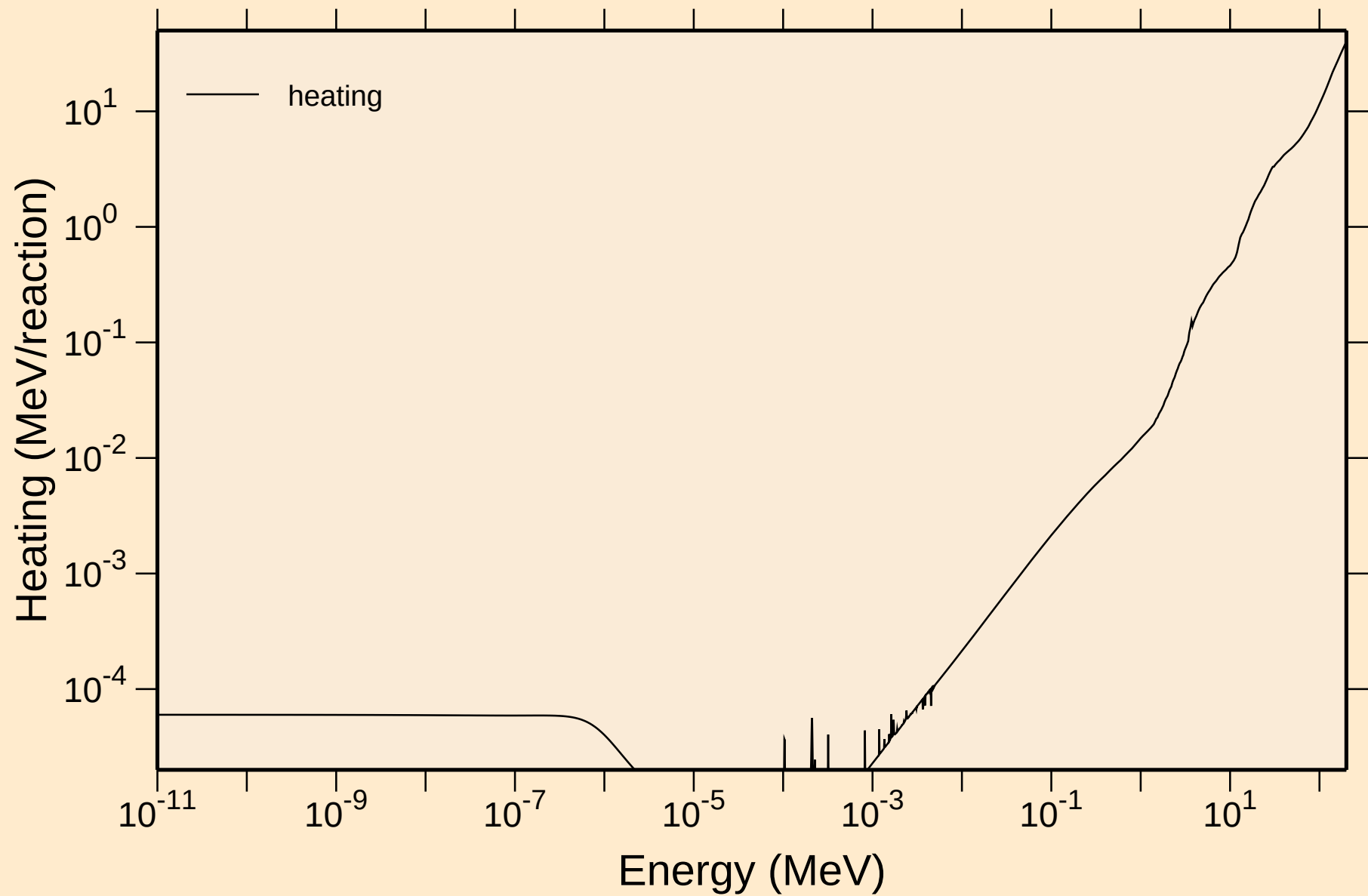


ZR088 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



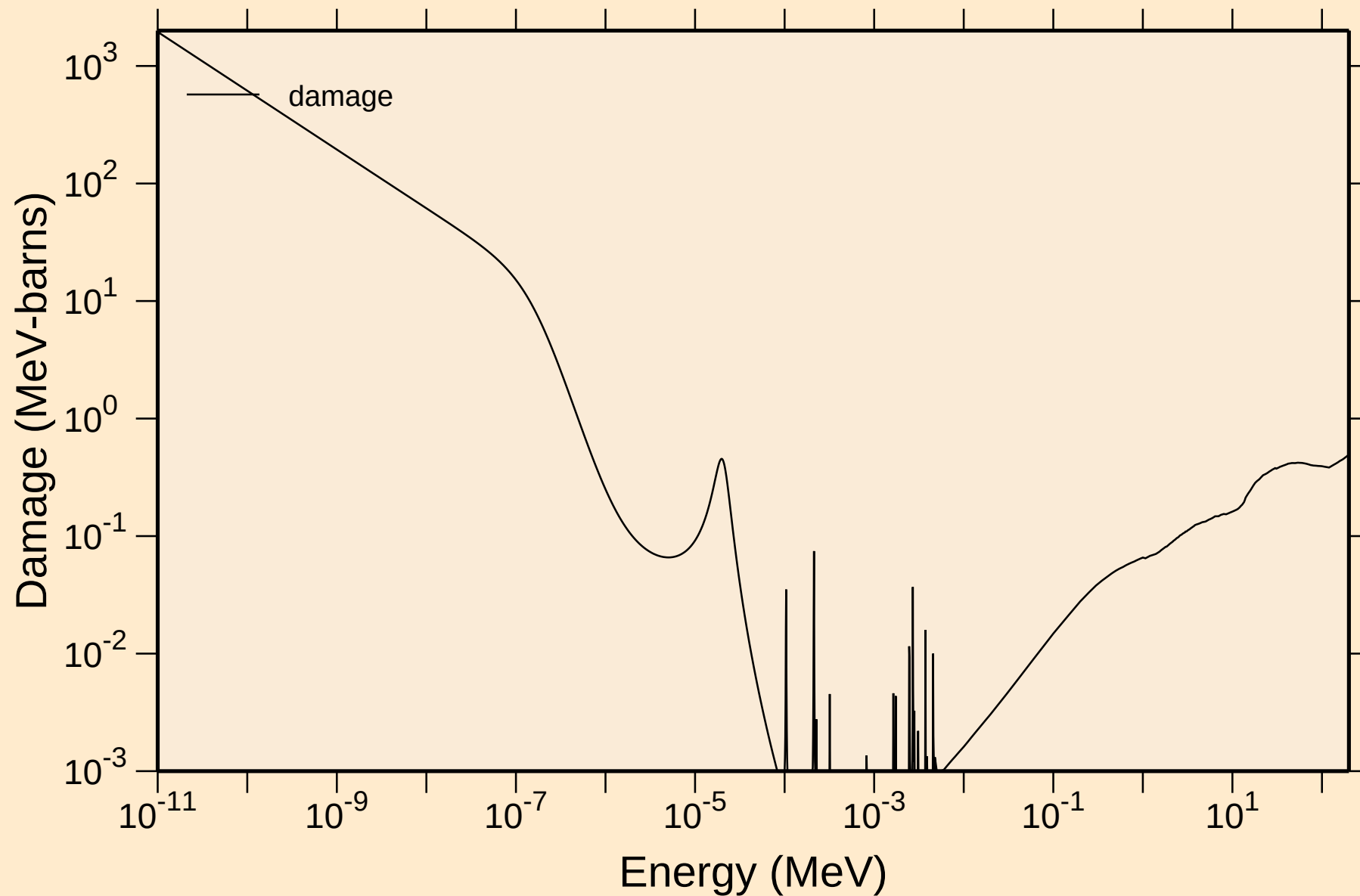
# ZR088 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

Heating



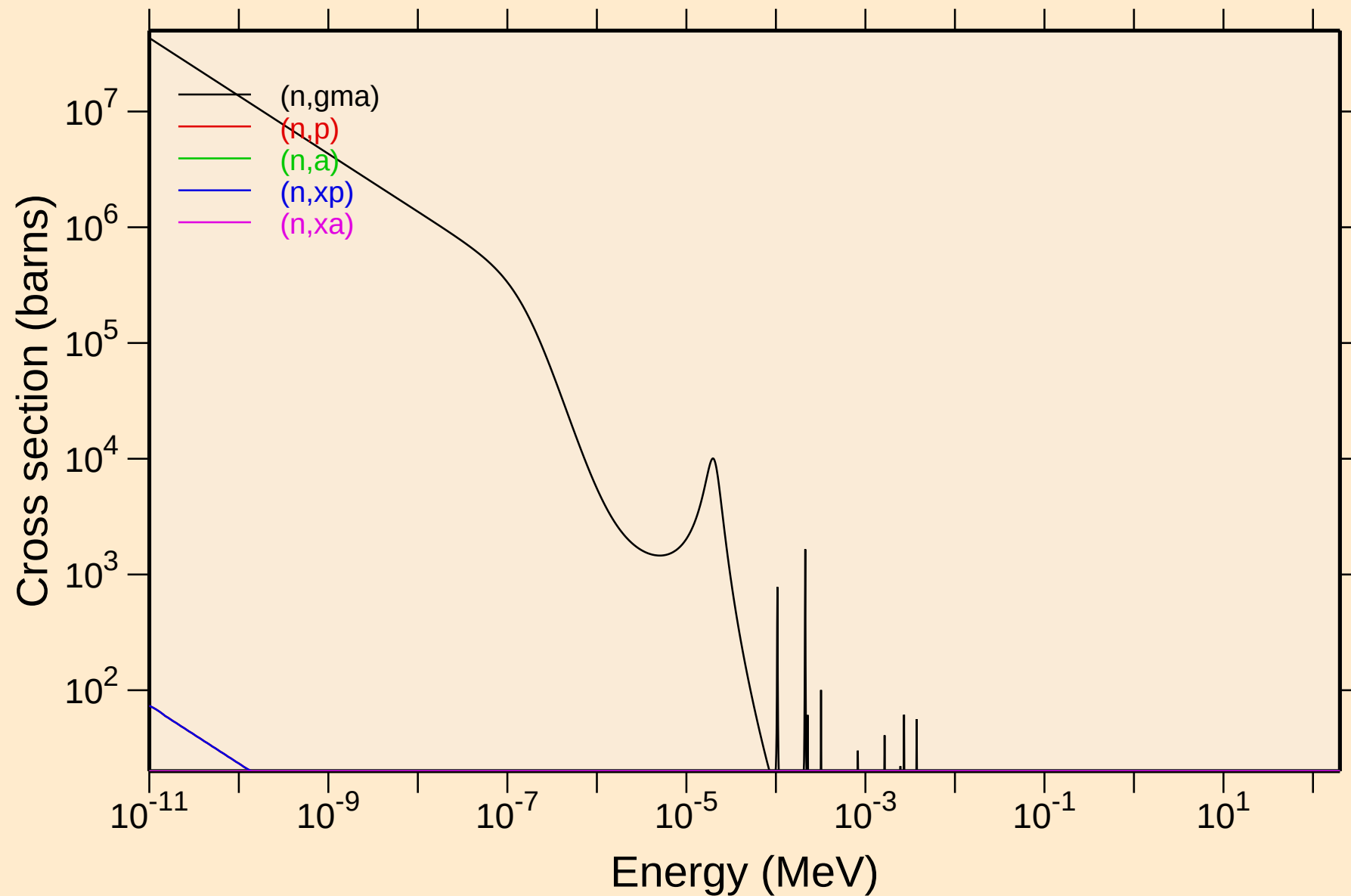
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Damage



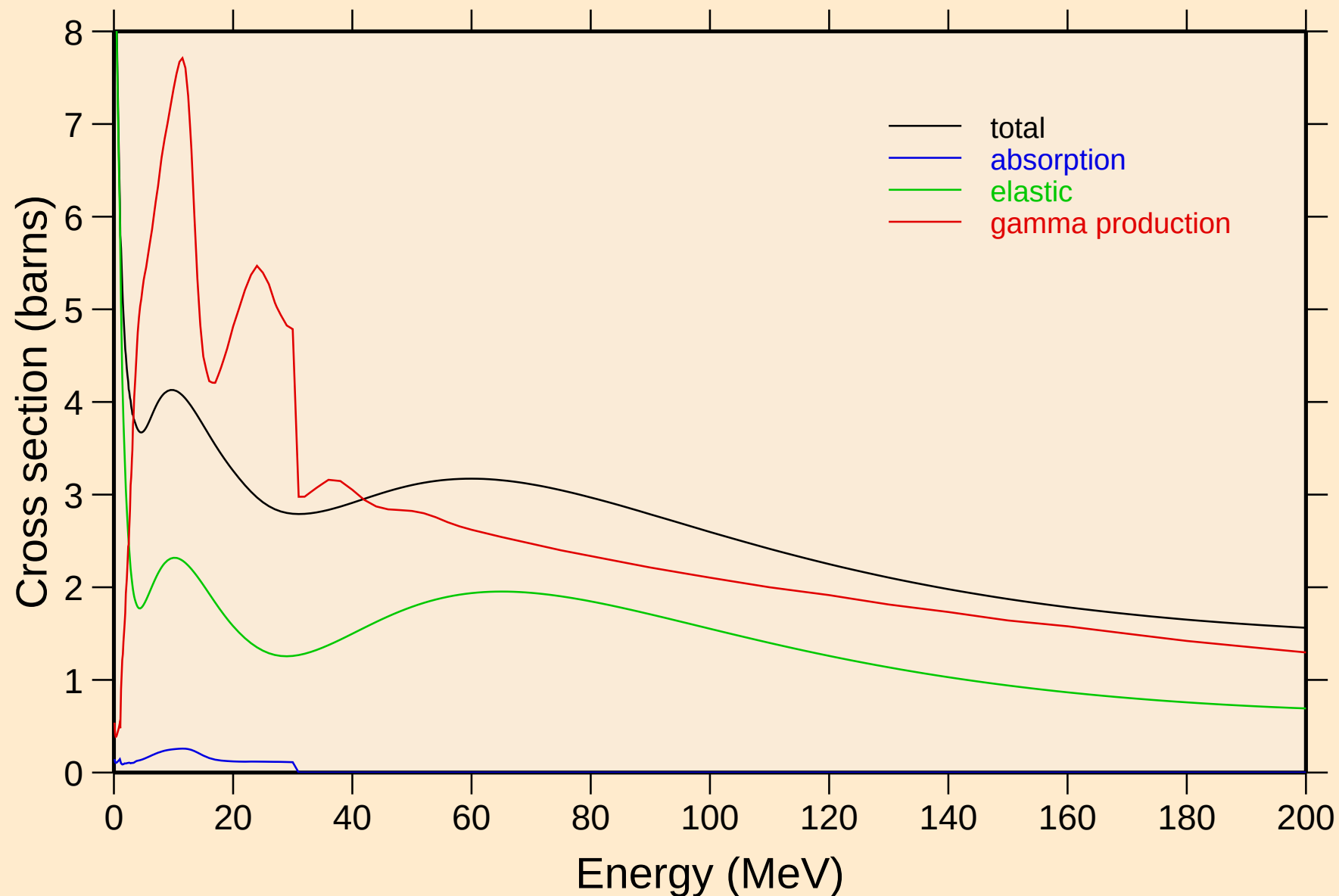
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Non-threshold reactions



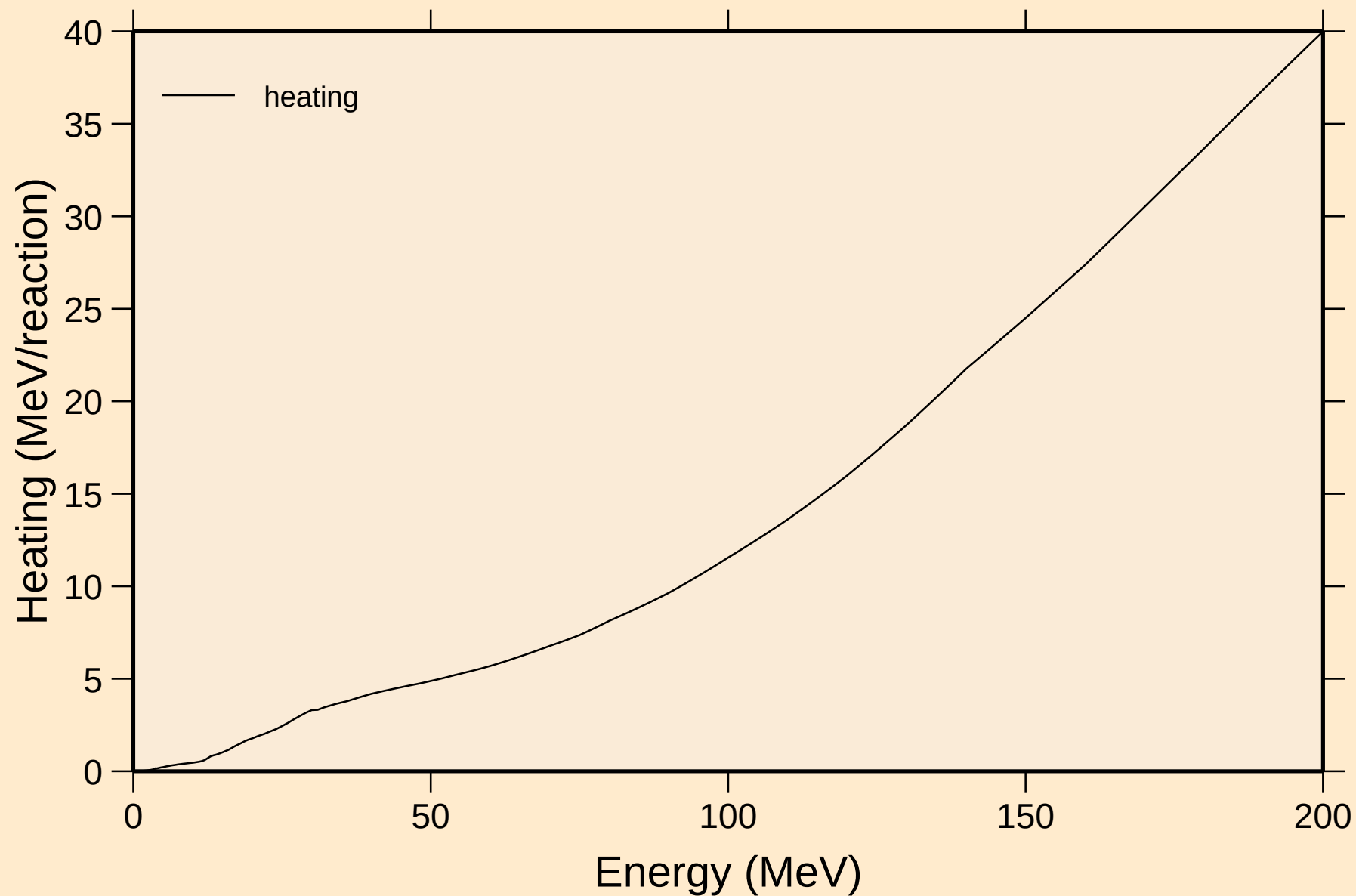
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## Principal cross sections



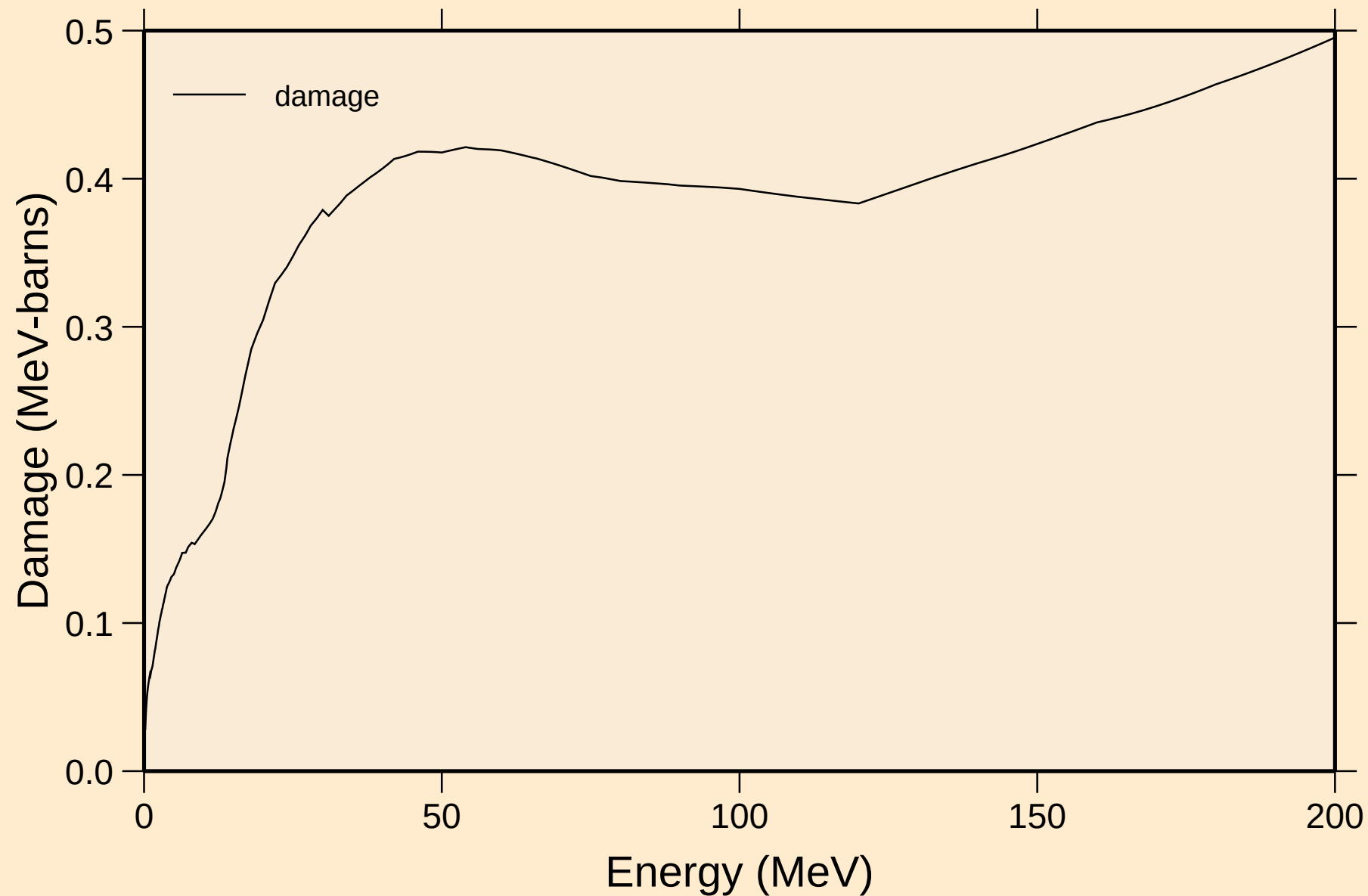
# ZR088 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

Heating

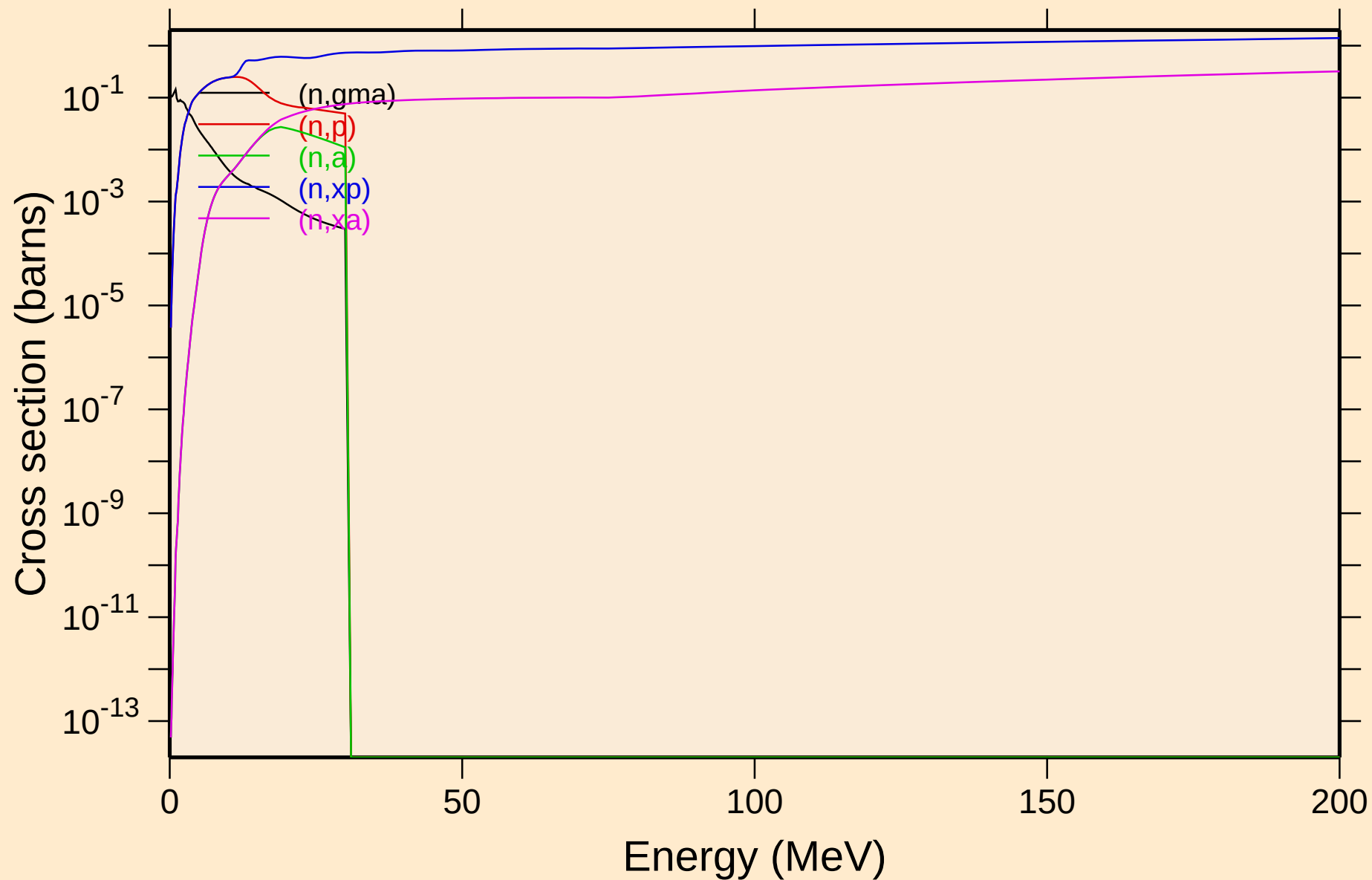


# ZR088 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

Damage



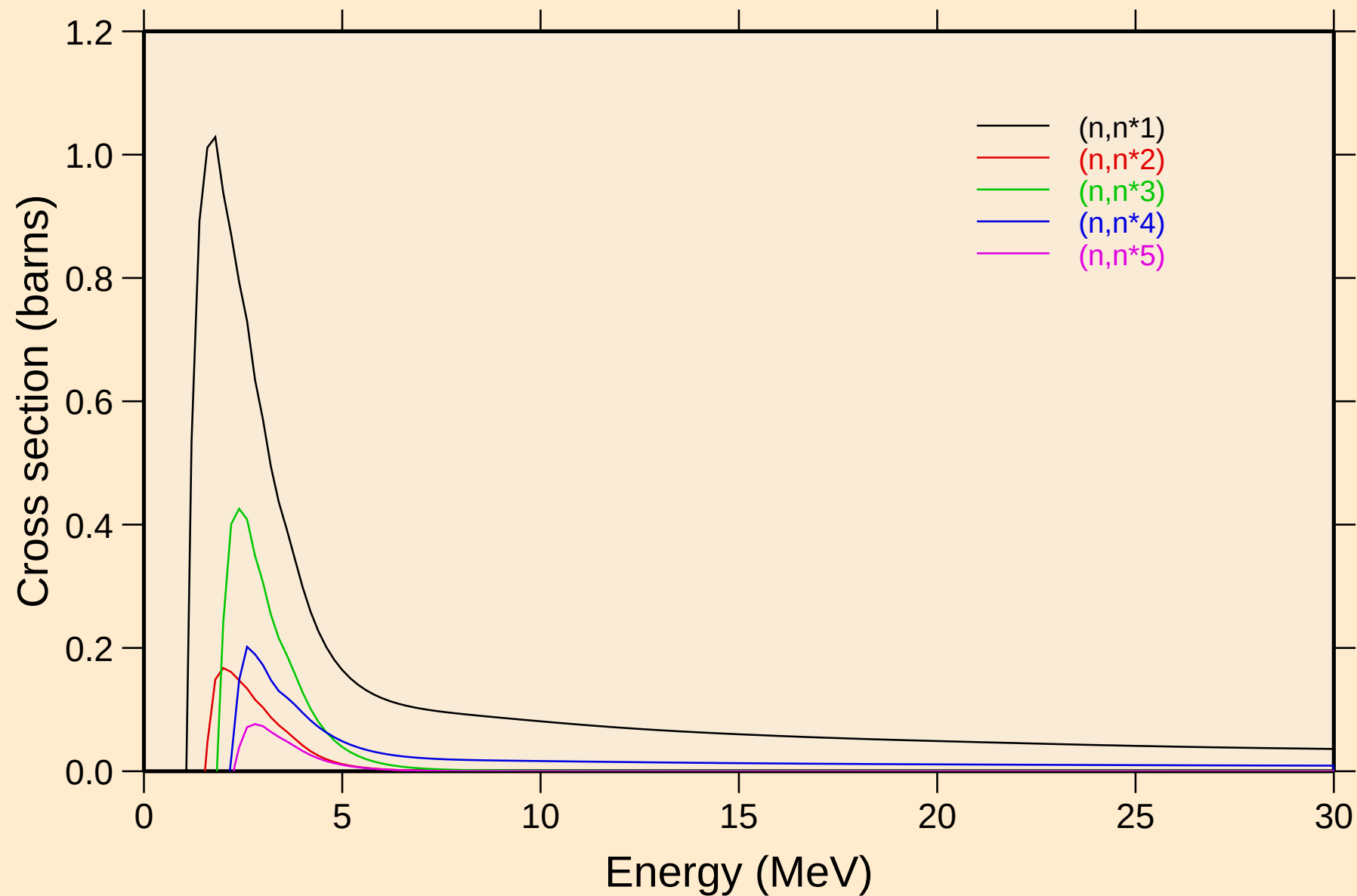
ZR088 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions





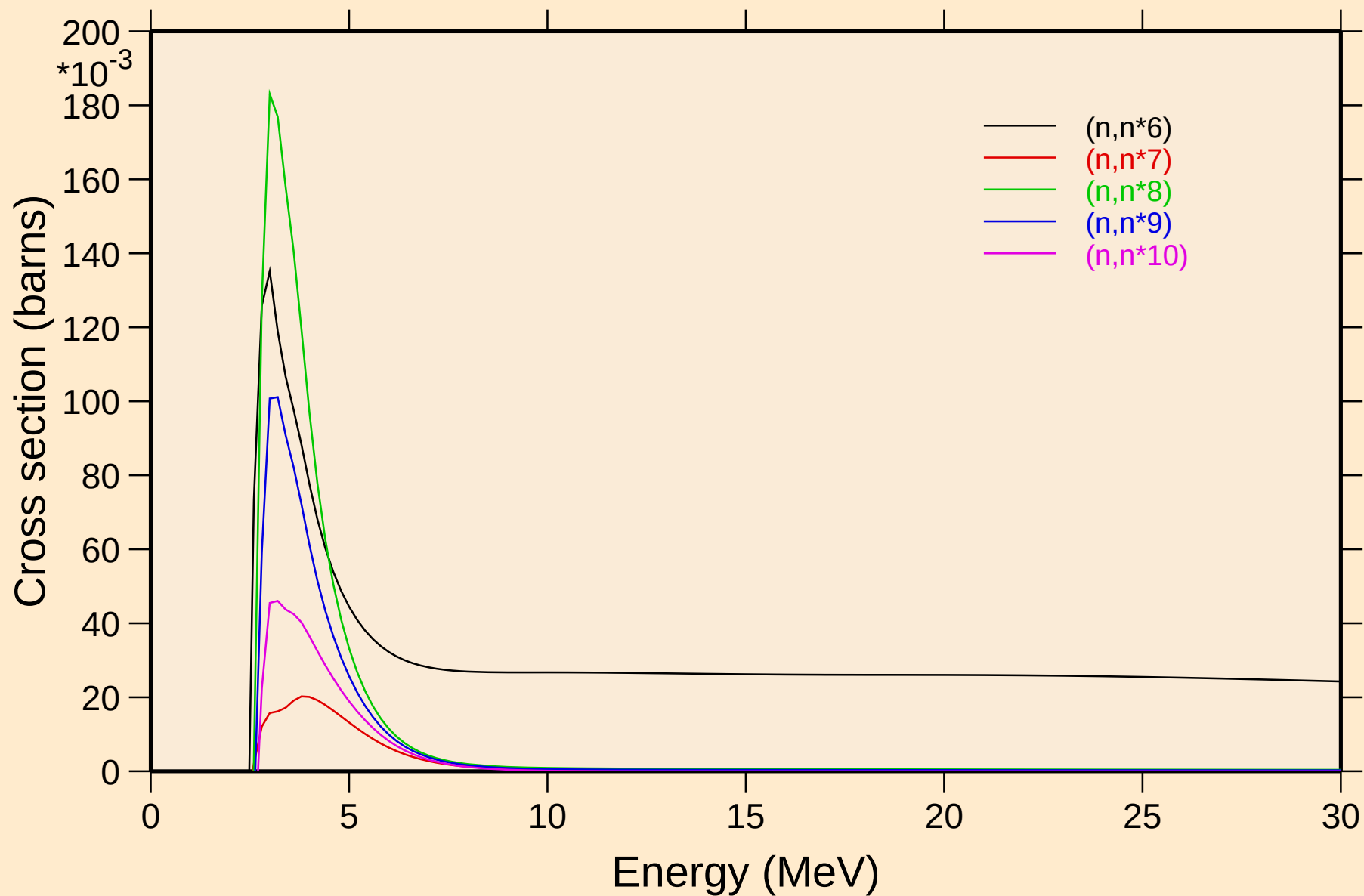
# ZR088 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Inelastic levels



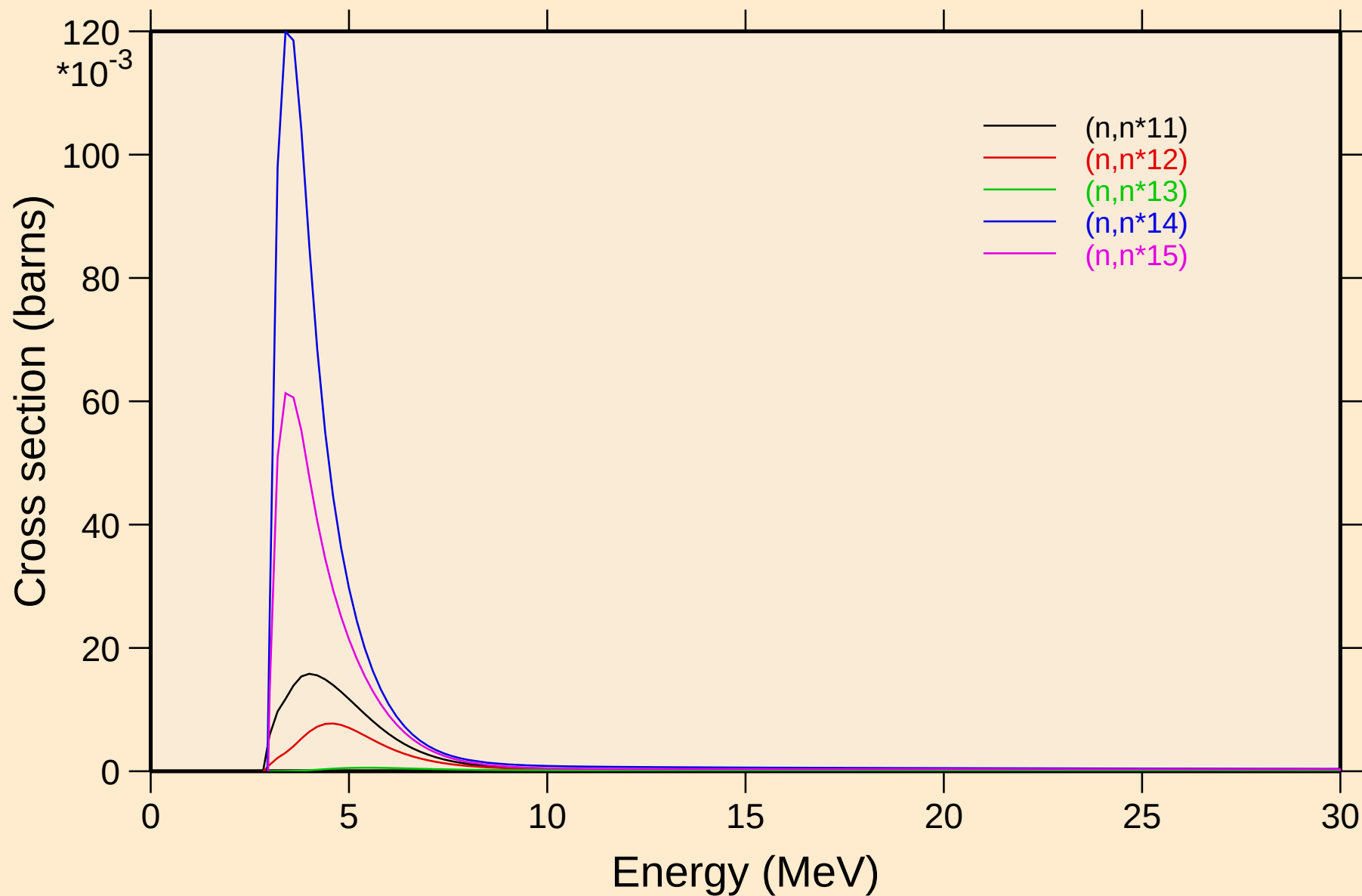
# ZR088 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Inelastic levels



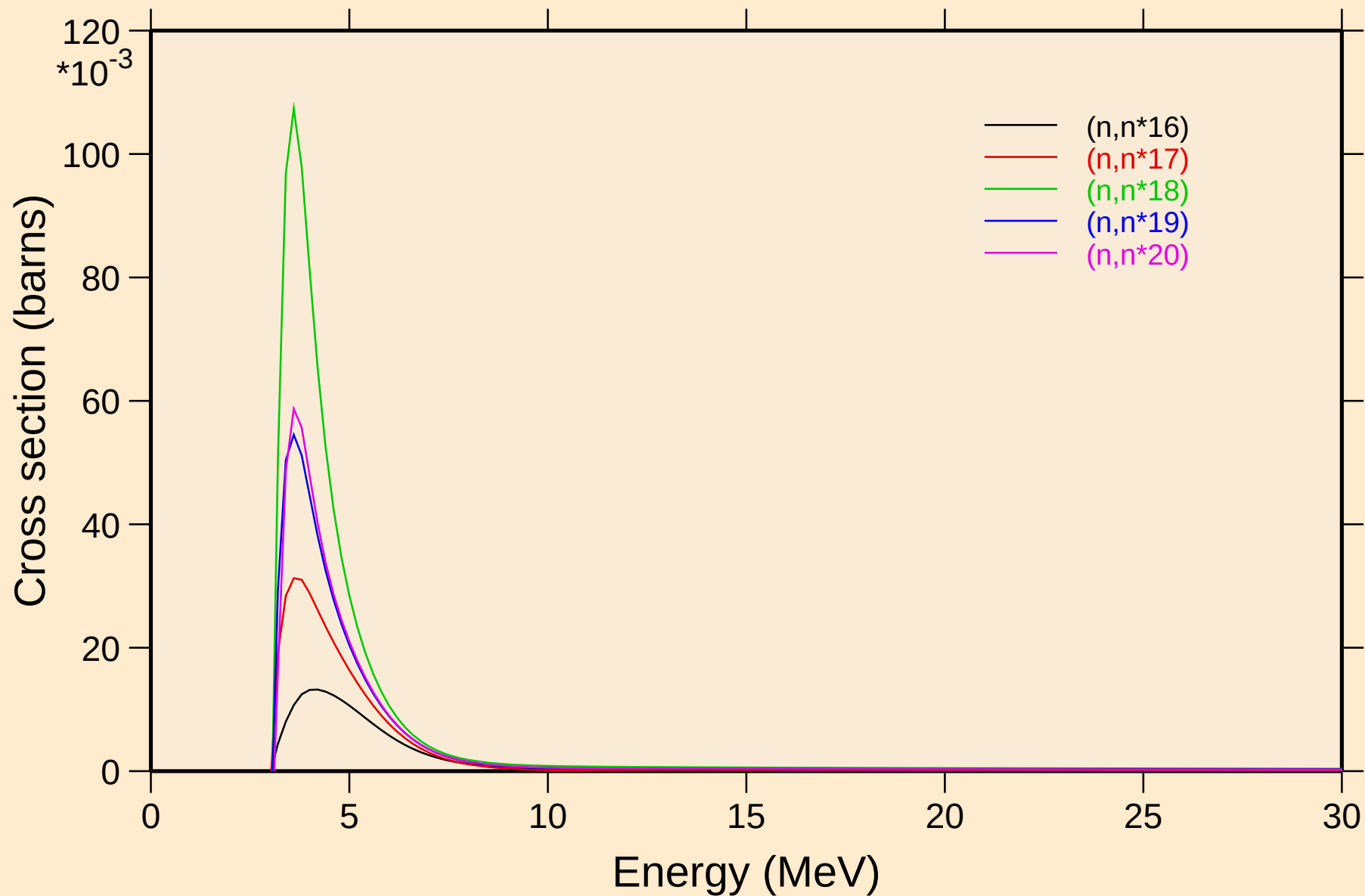
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## Inelastic levels



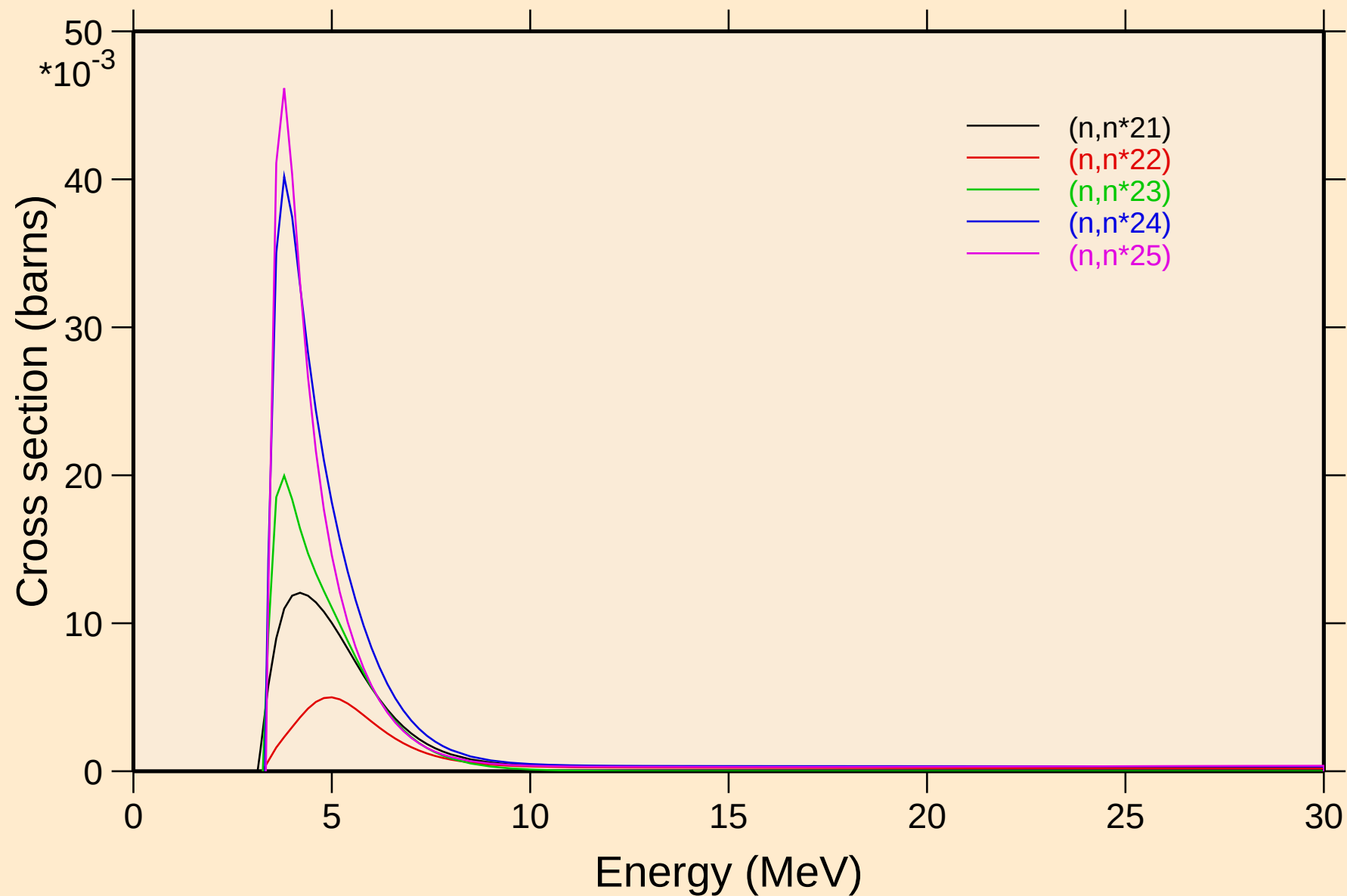
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Inelastic levels



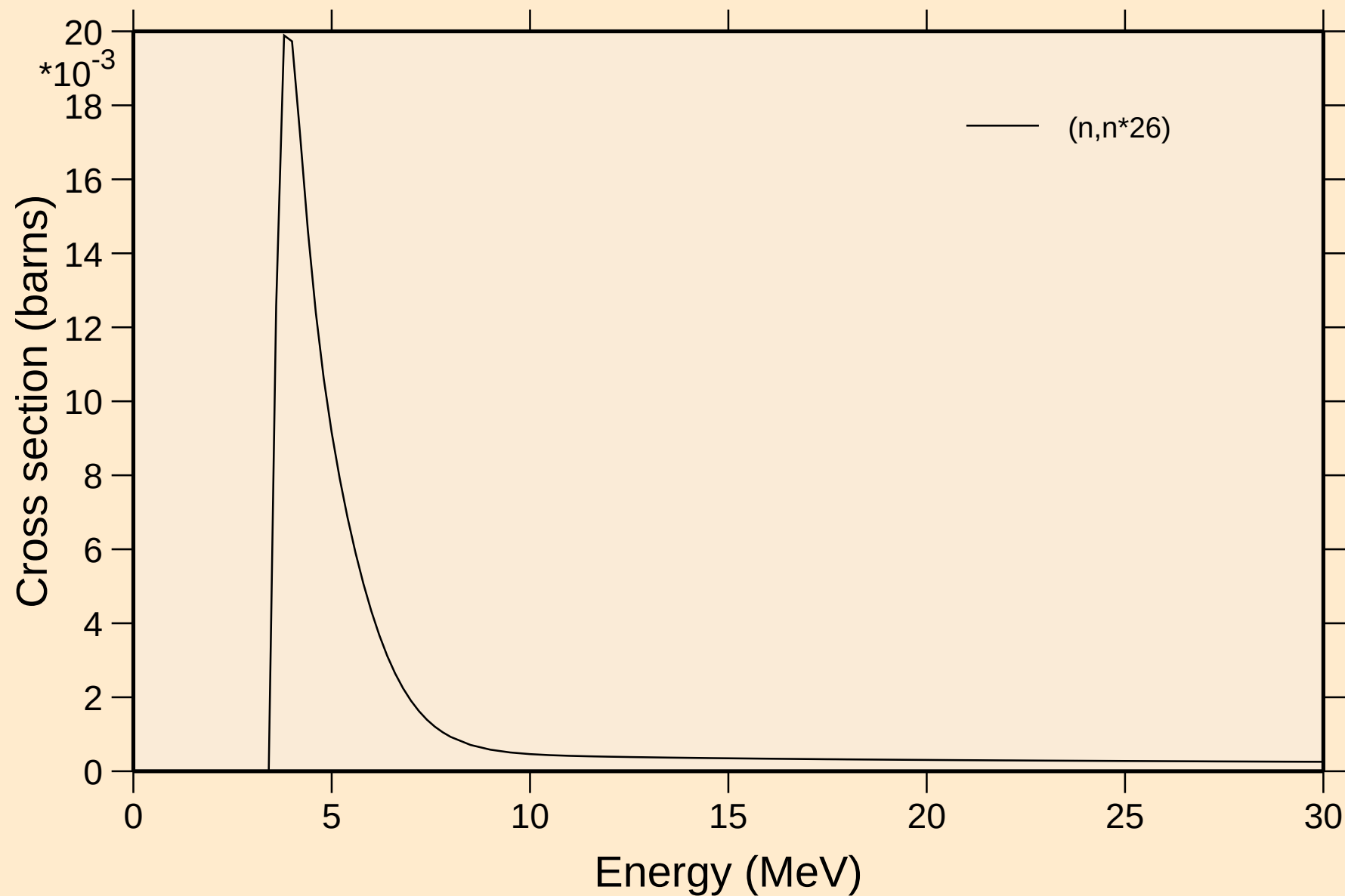
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## Inelastic levels



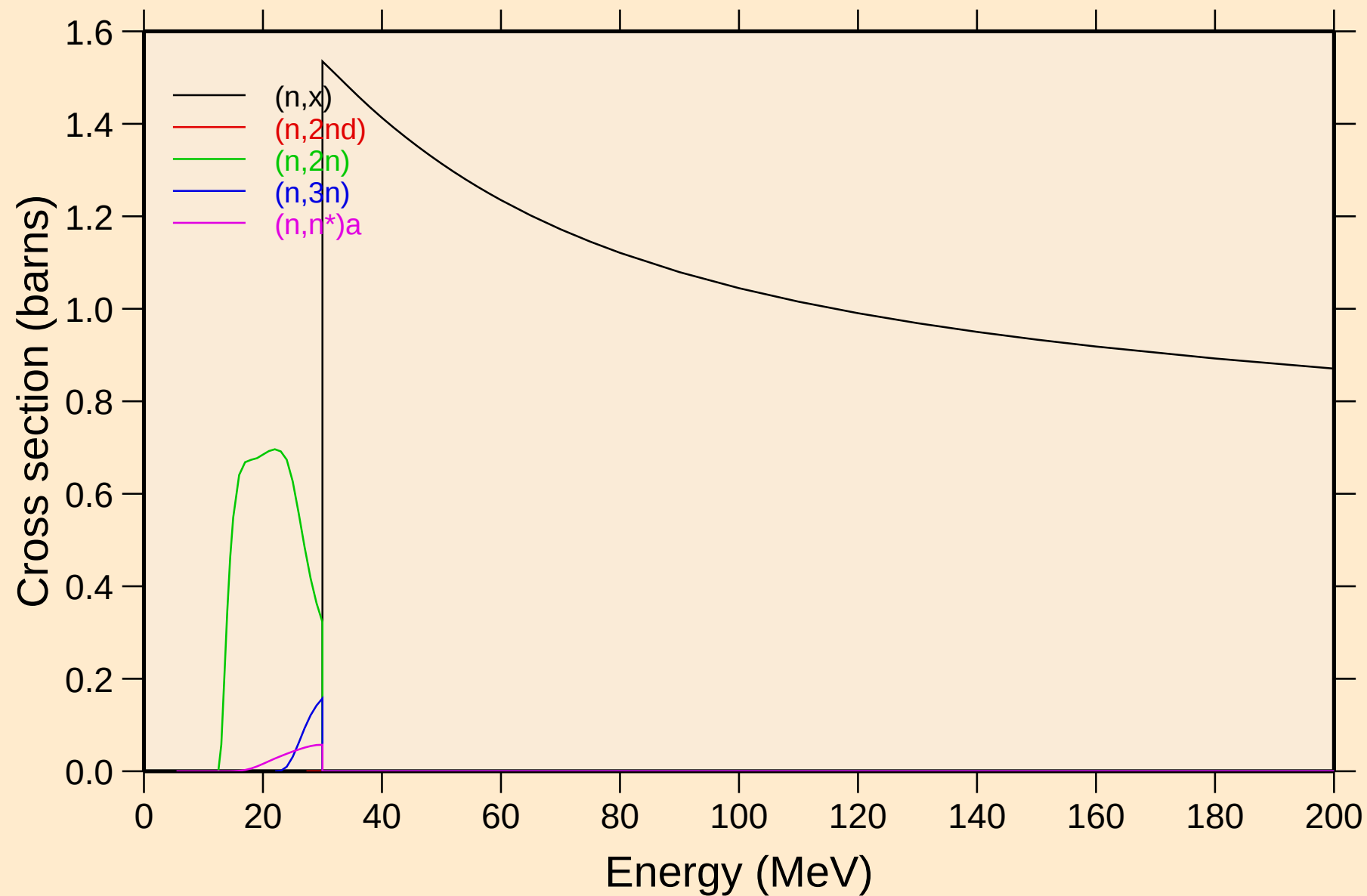
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Inelastic levels



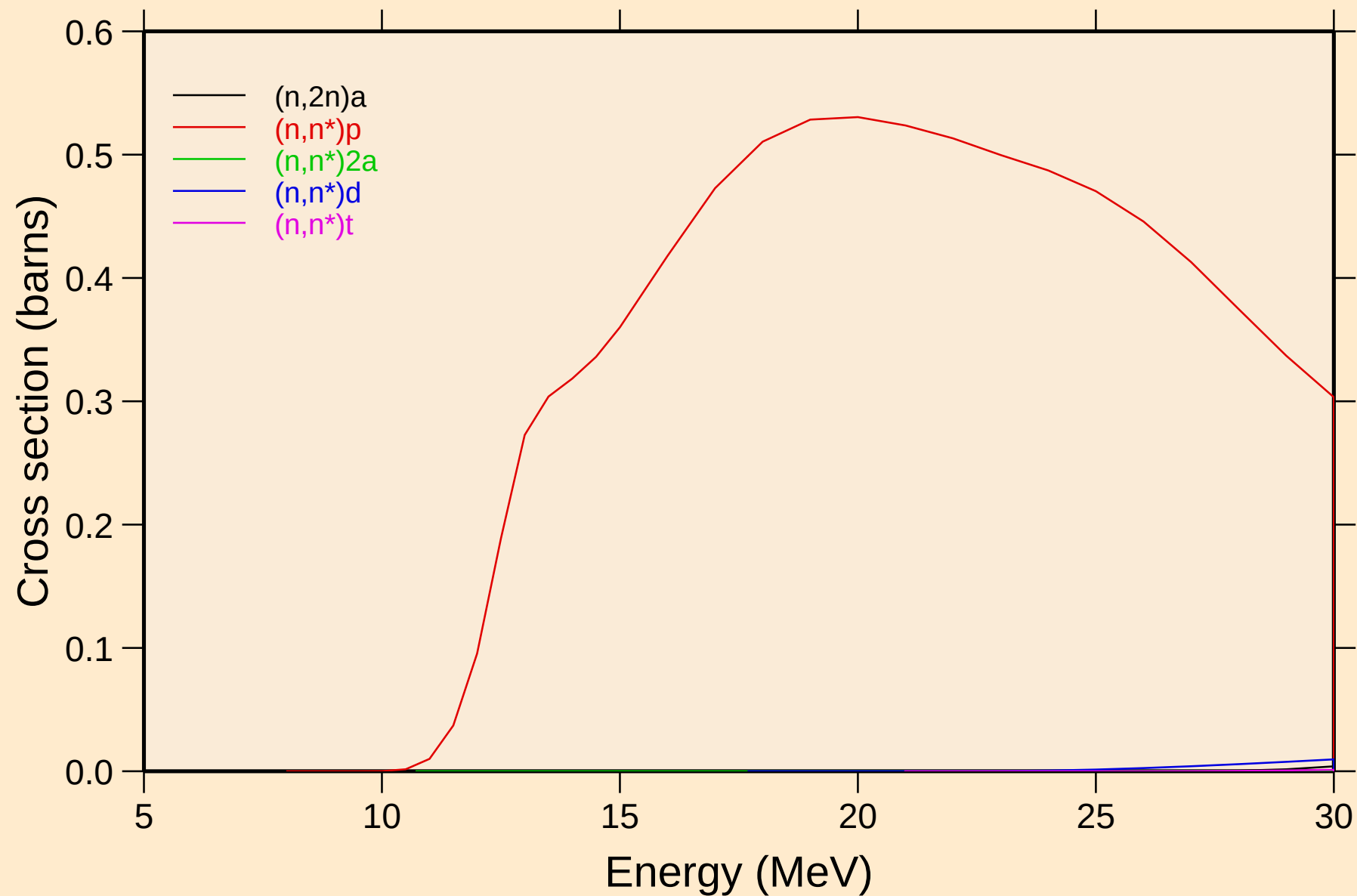
# ZR088 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions



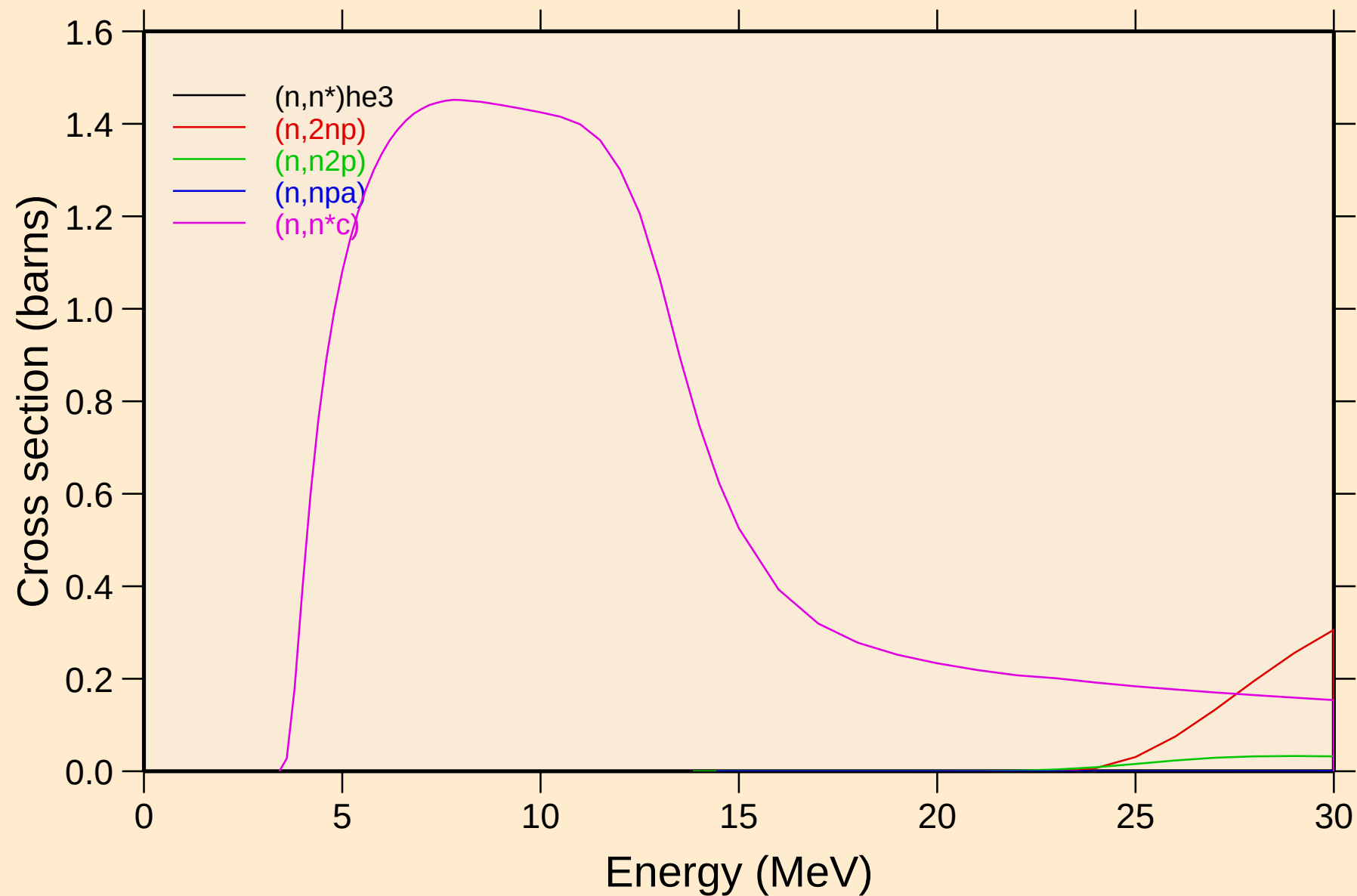
# ZR088 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

Threshold reactions



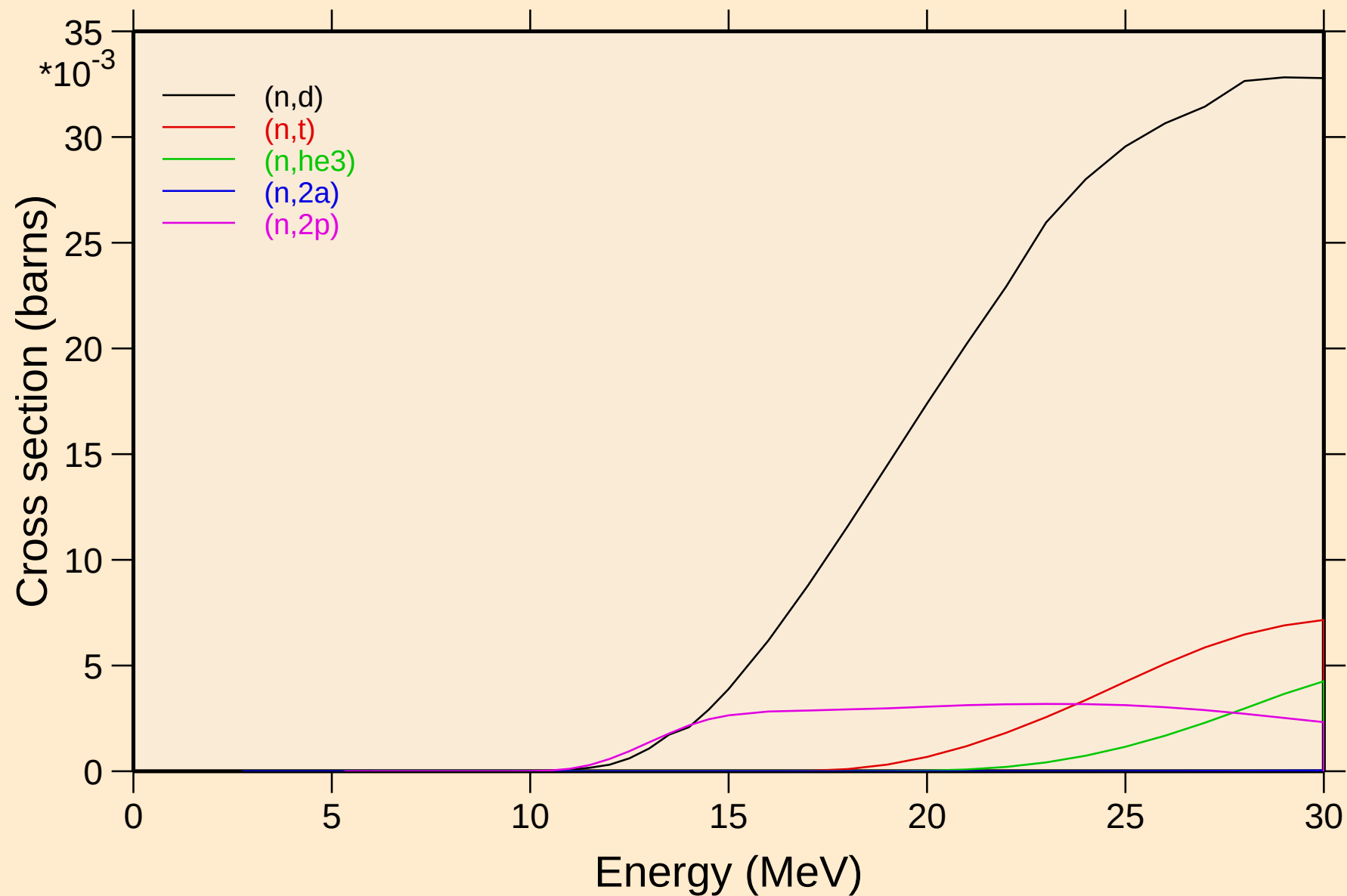


ZR088 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



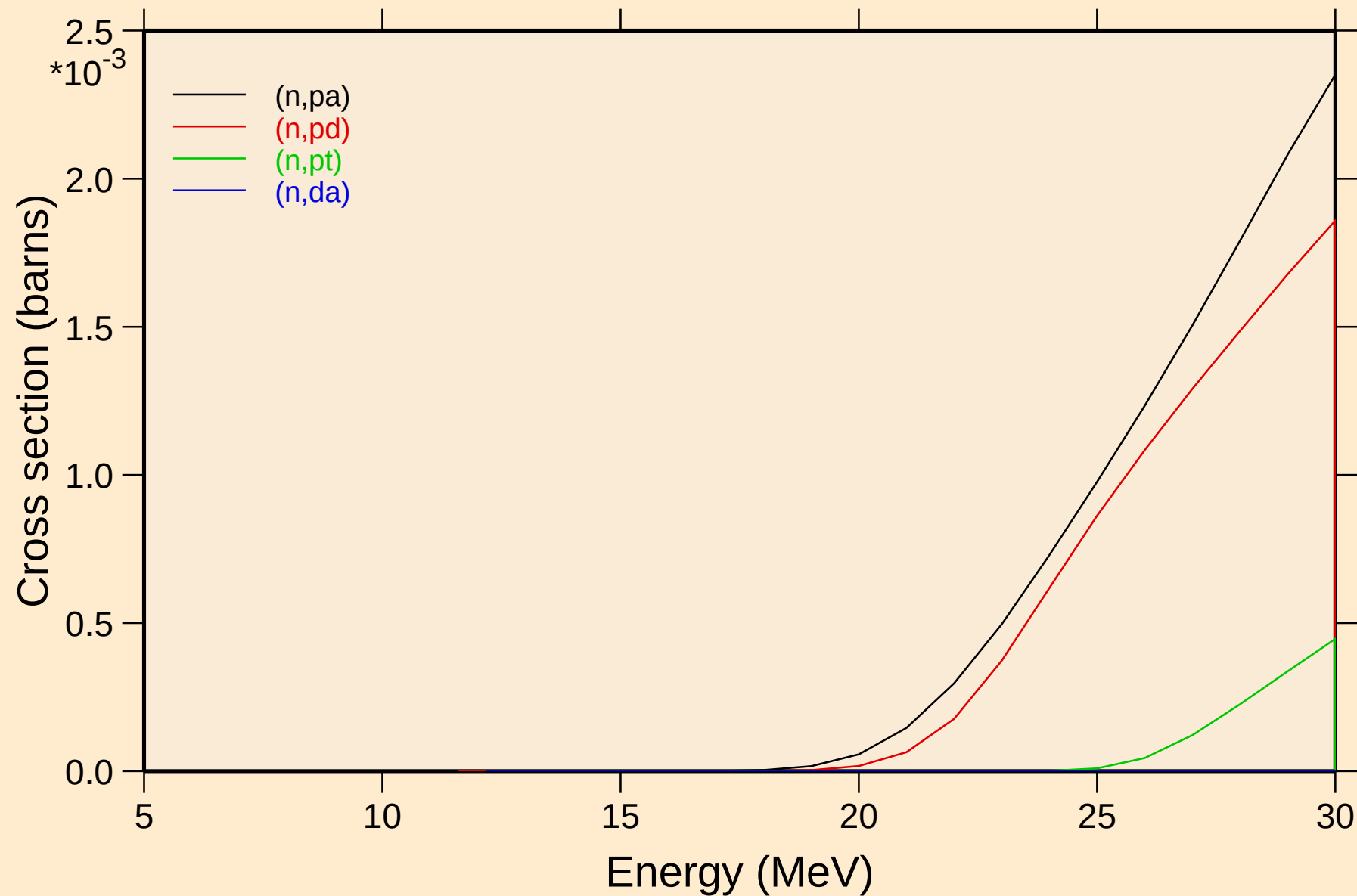
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## Threshold reactions



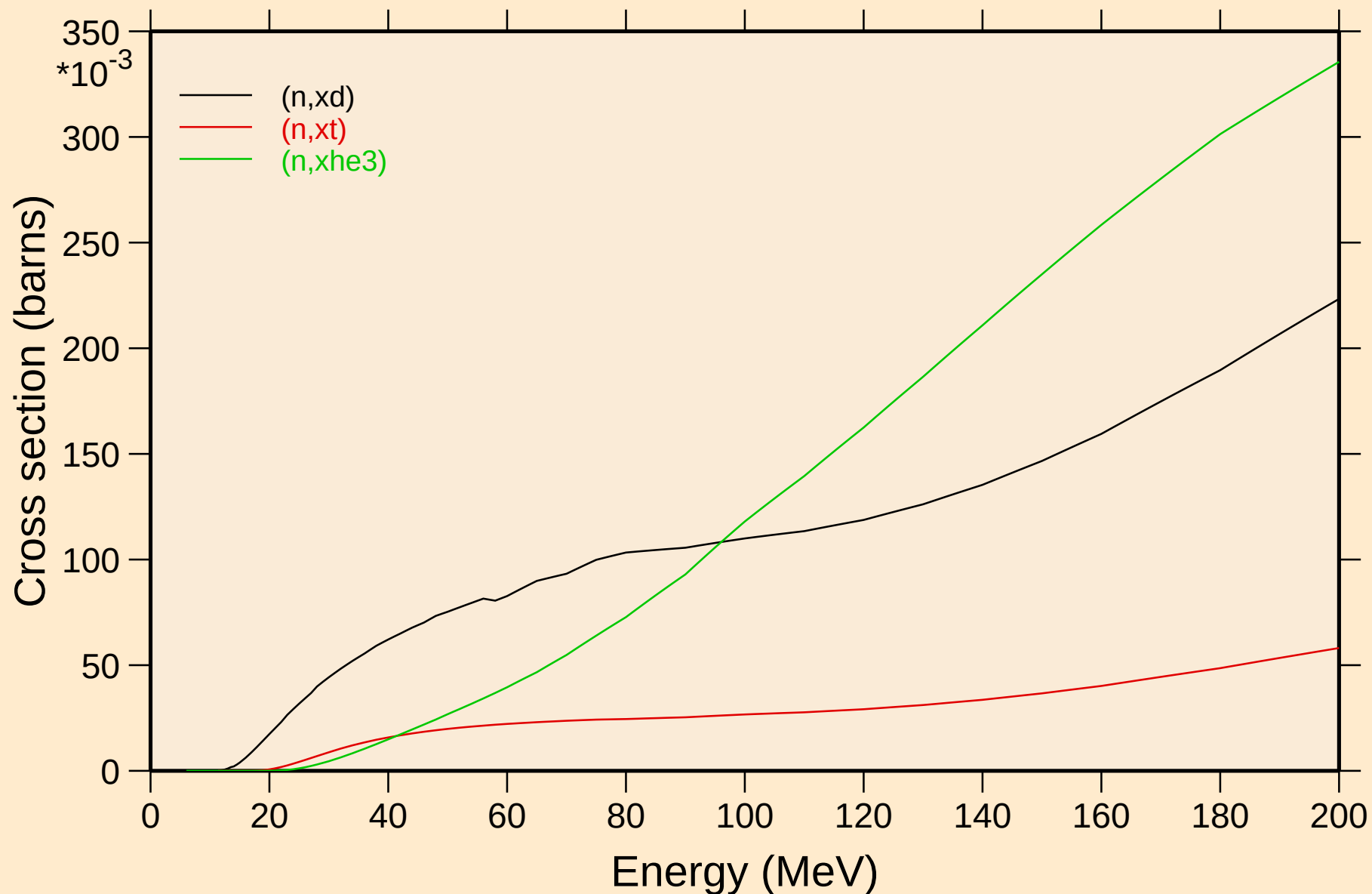
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## Threshold reactions

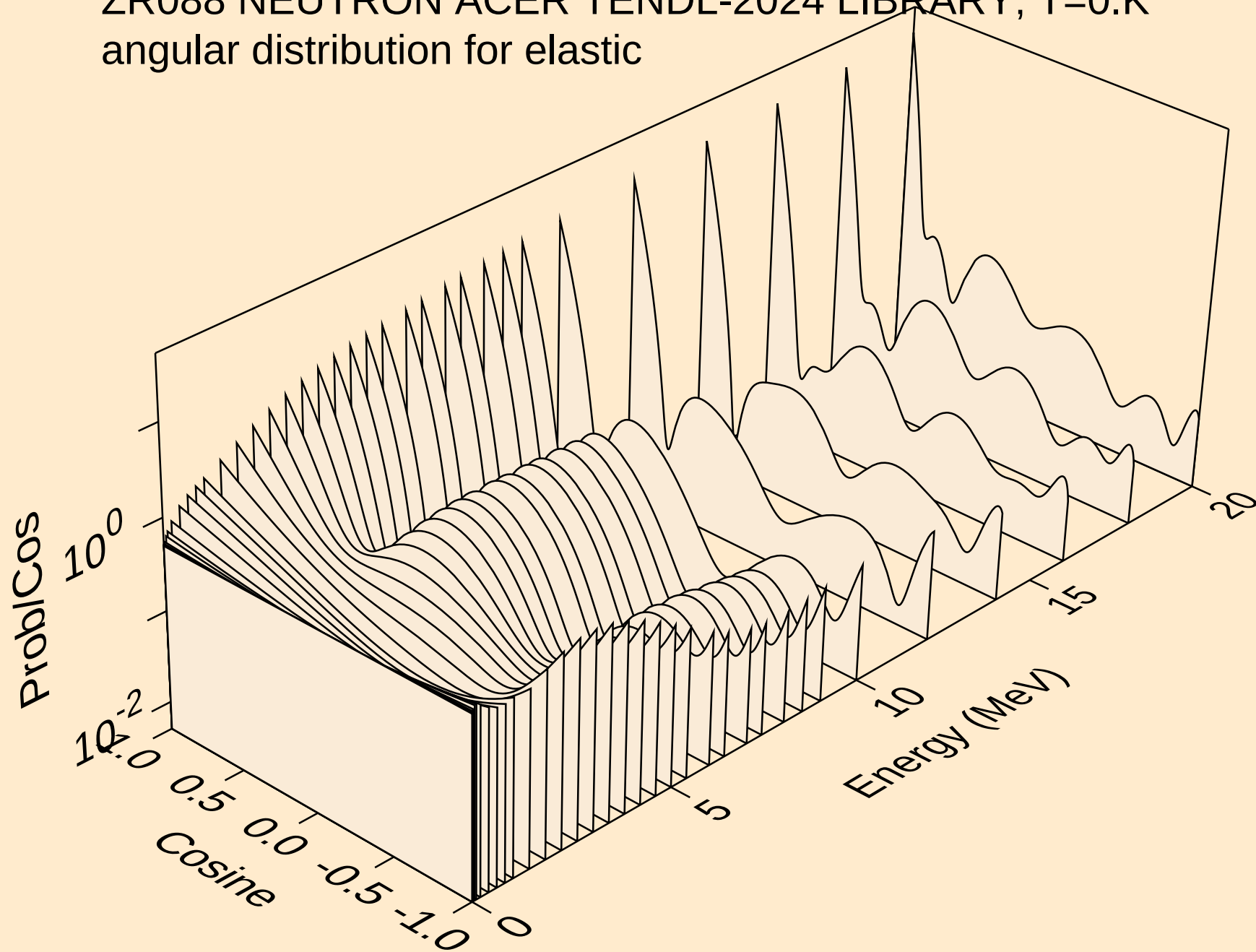


# ZR088 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

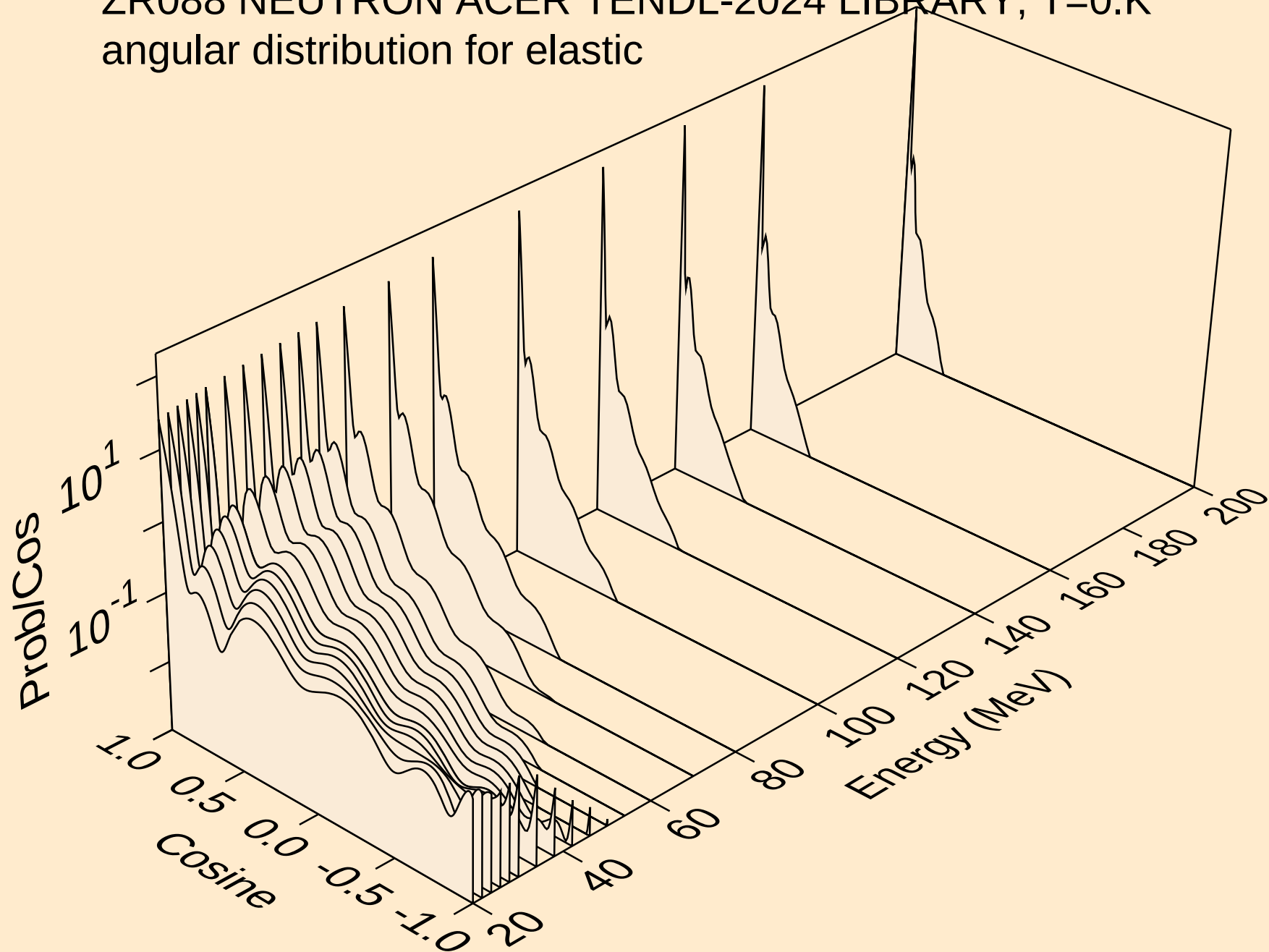
## Threshold reactions



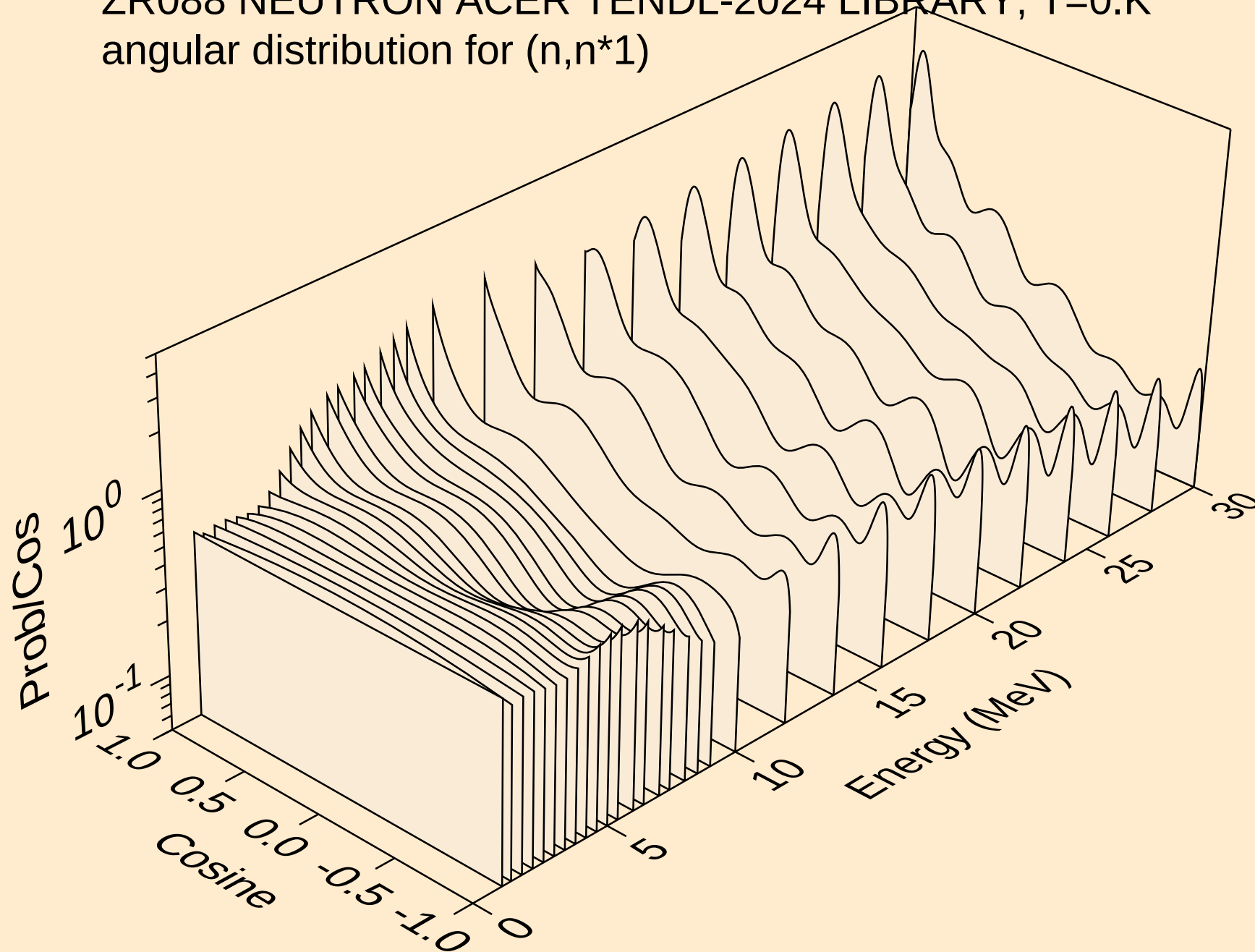
ZR088 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



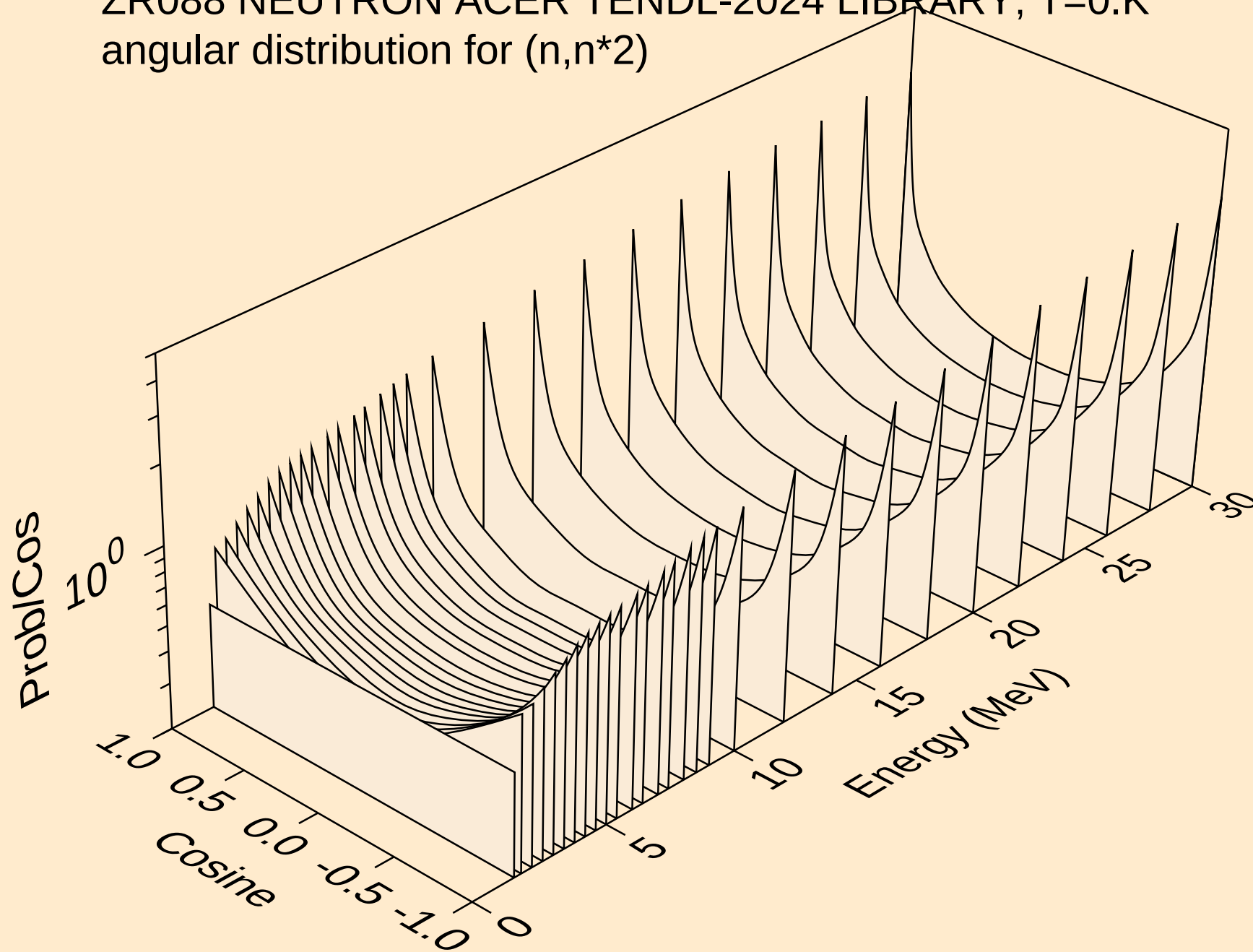
ZR088 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



ZR088 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*1)

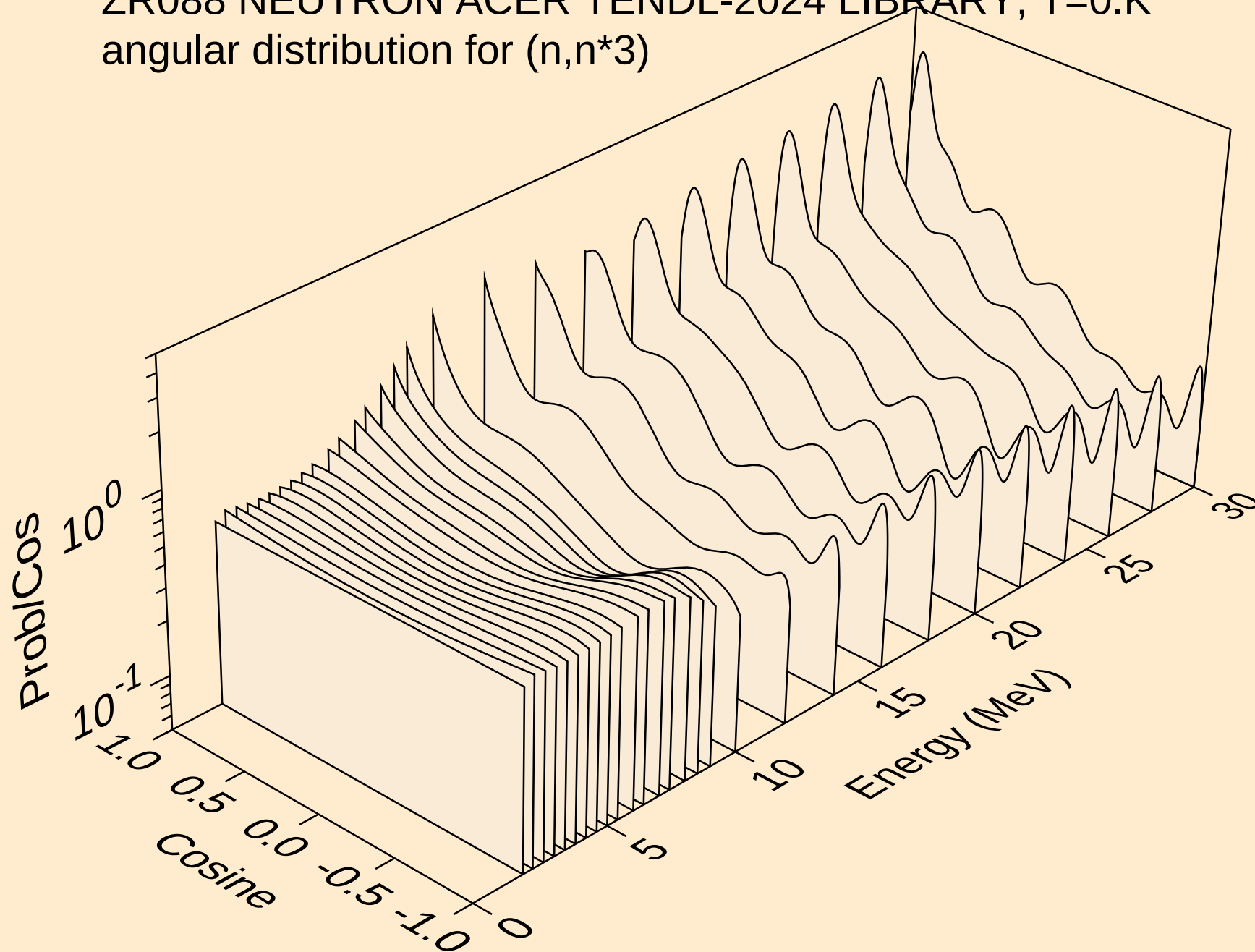


ZR088 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*2)

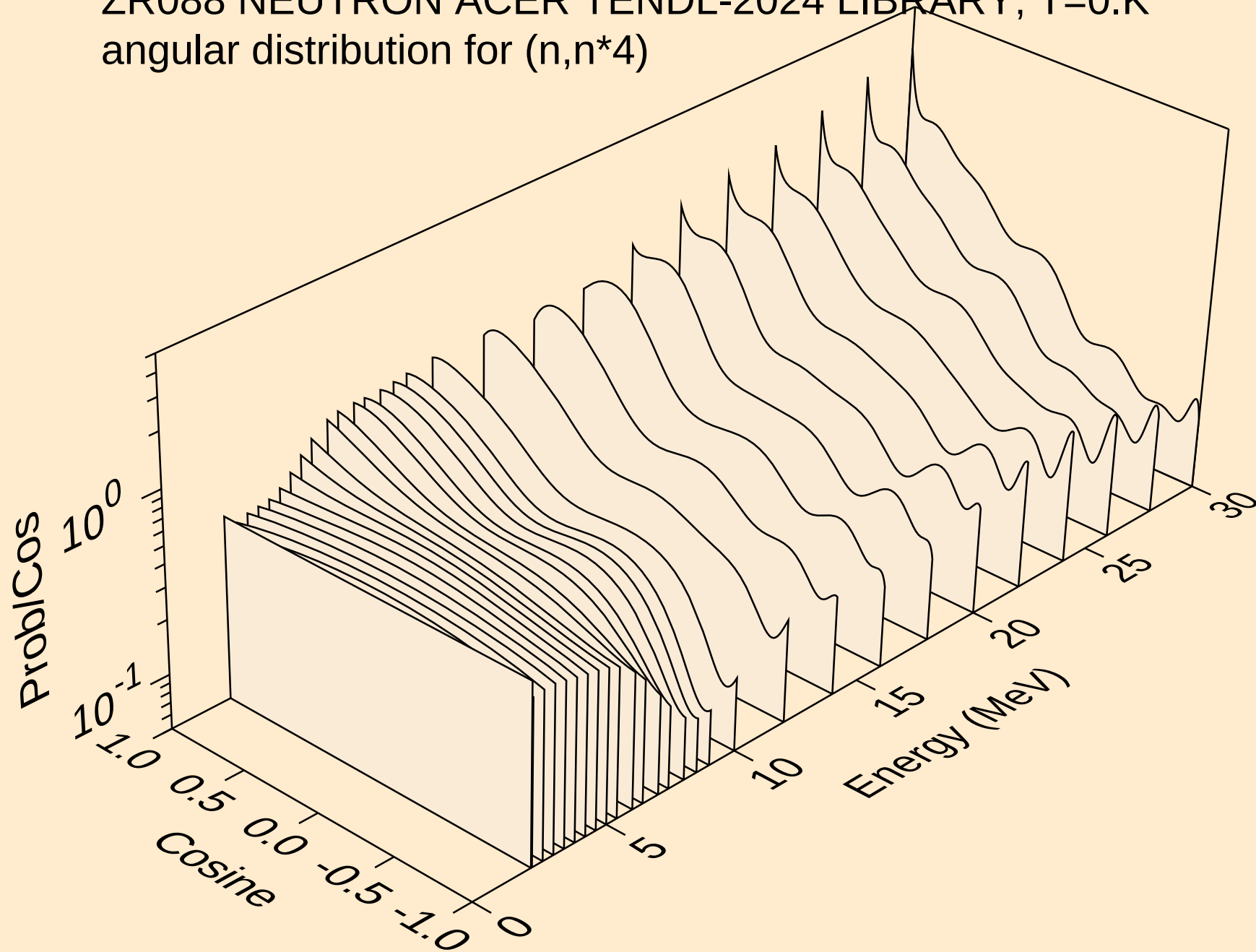




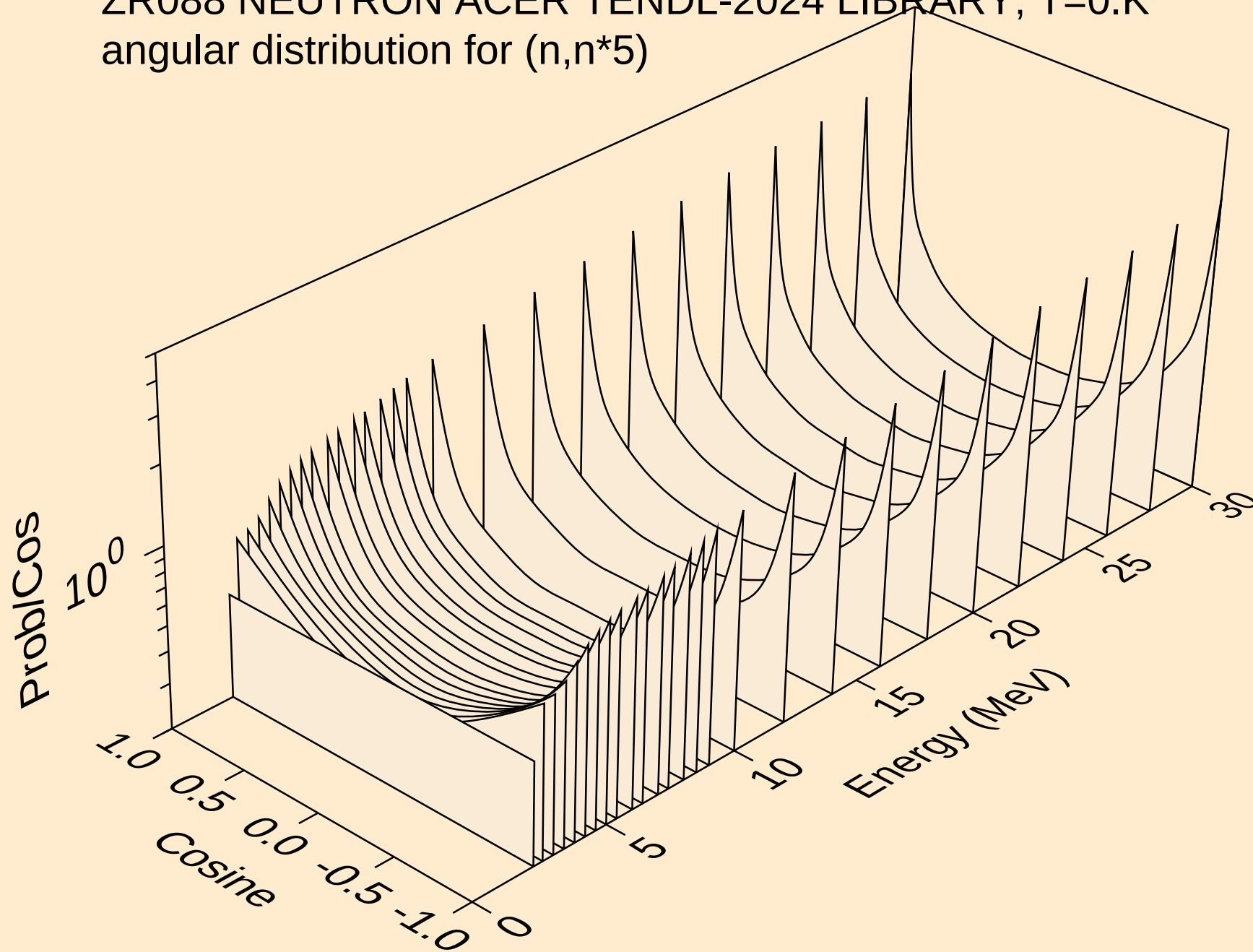
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angular distribution for (n,n\*3)



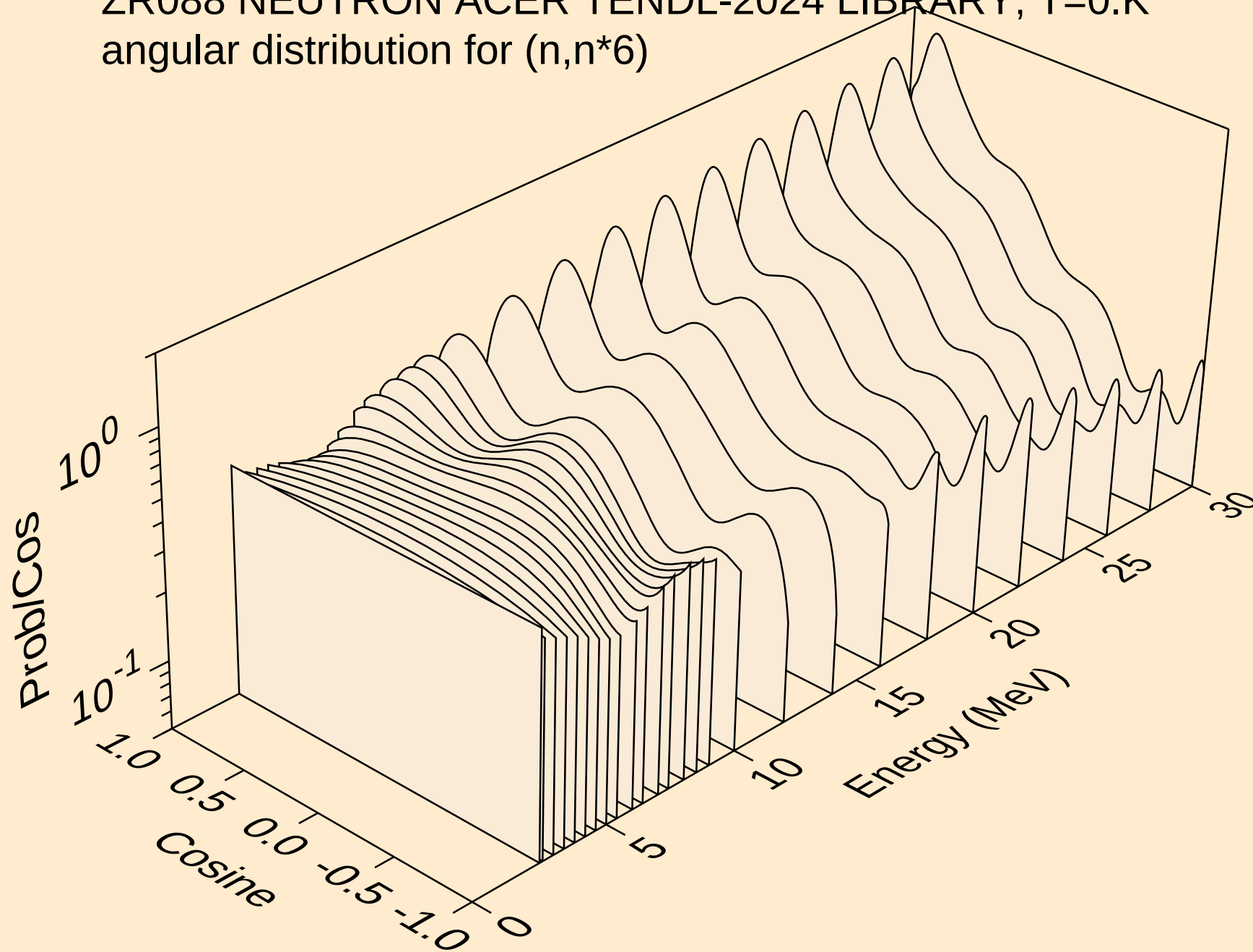
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angular distribution for (n,n\*4)



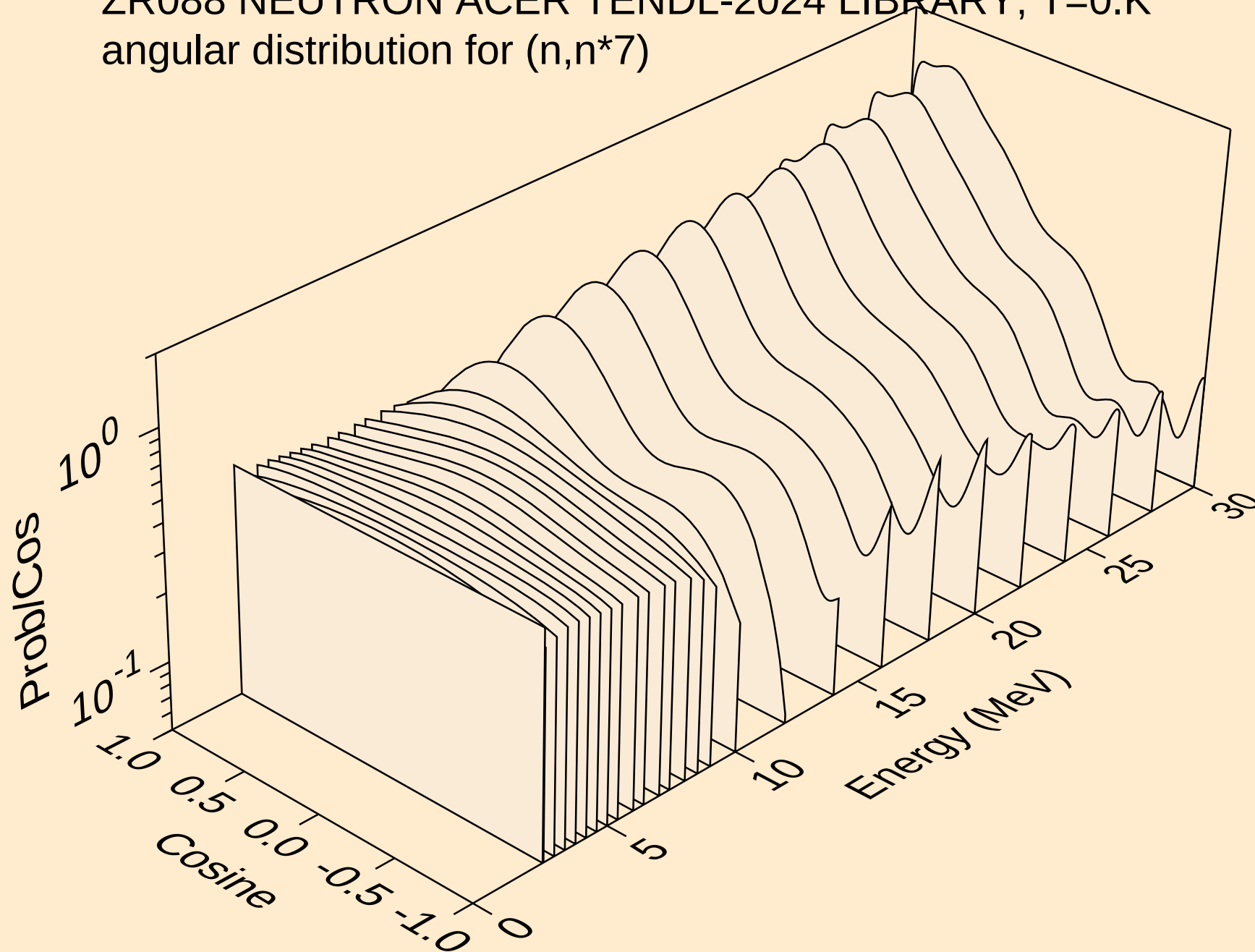
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angular distribution for (n,n\*5)



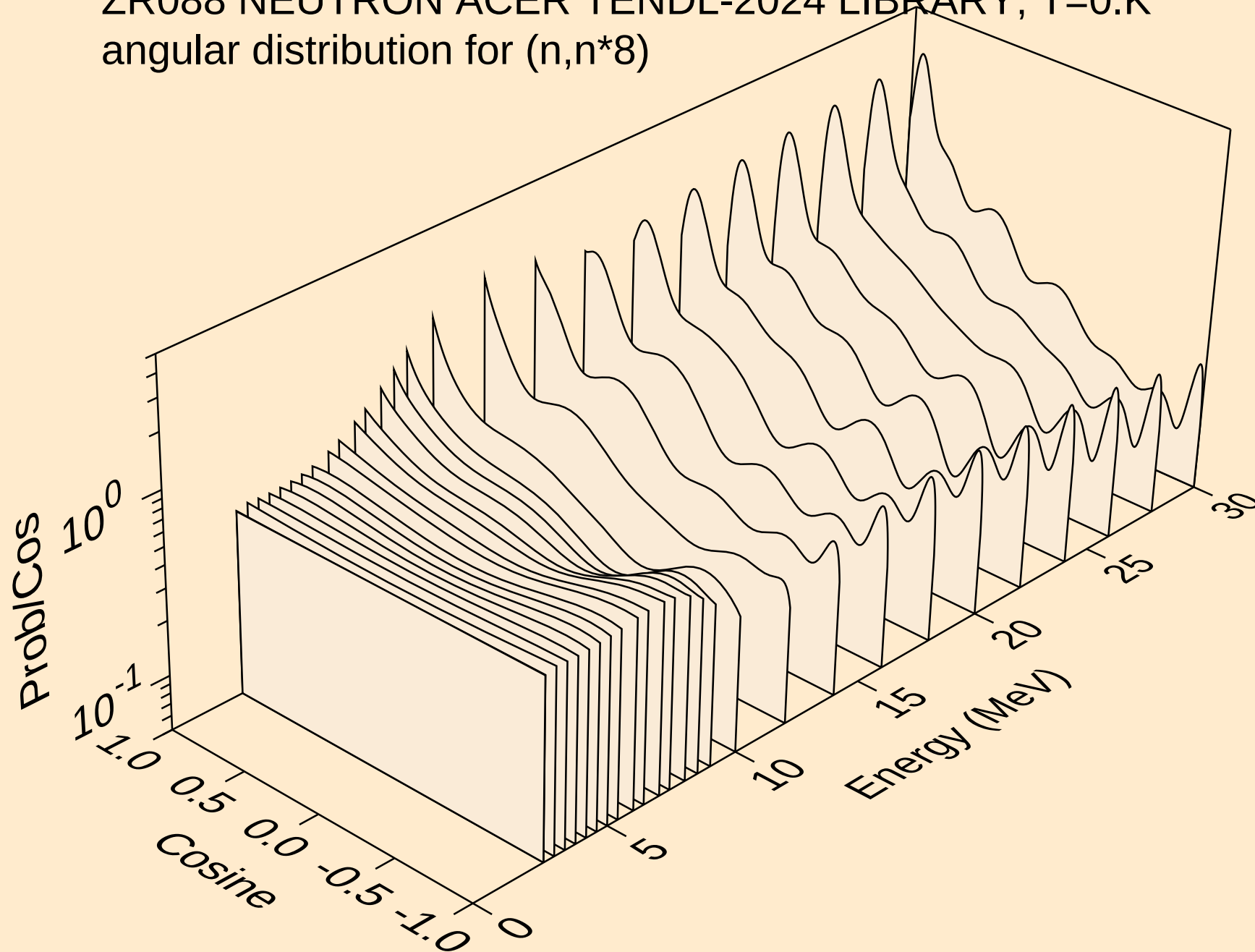
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angular distribution for (n,n\*6)



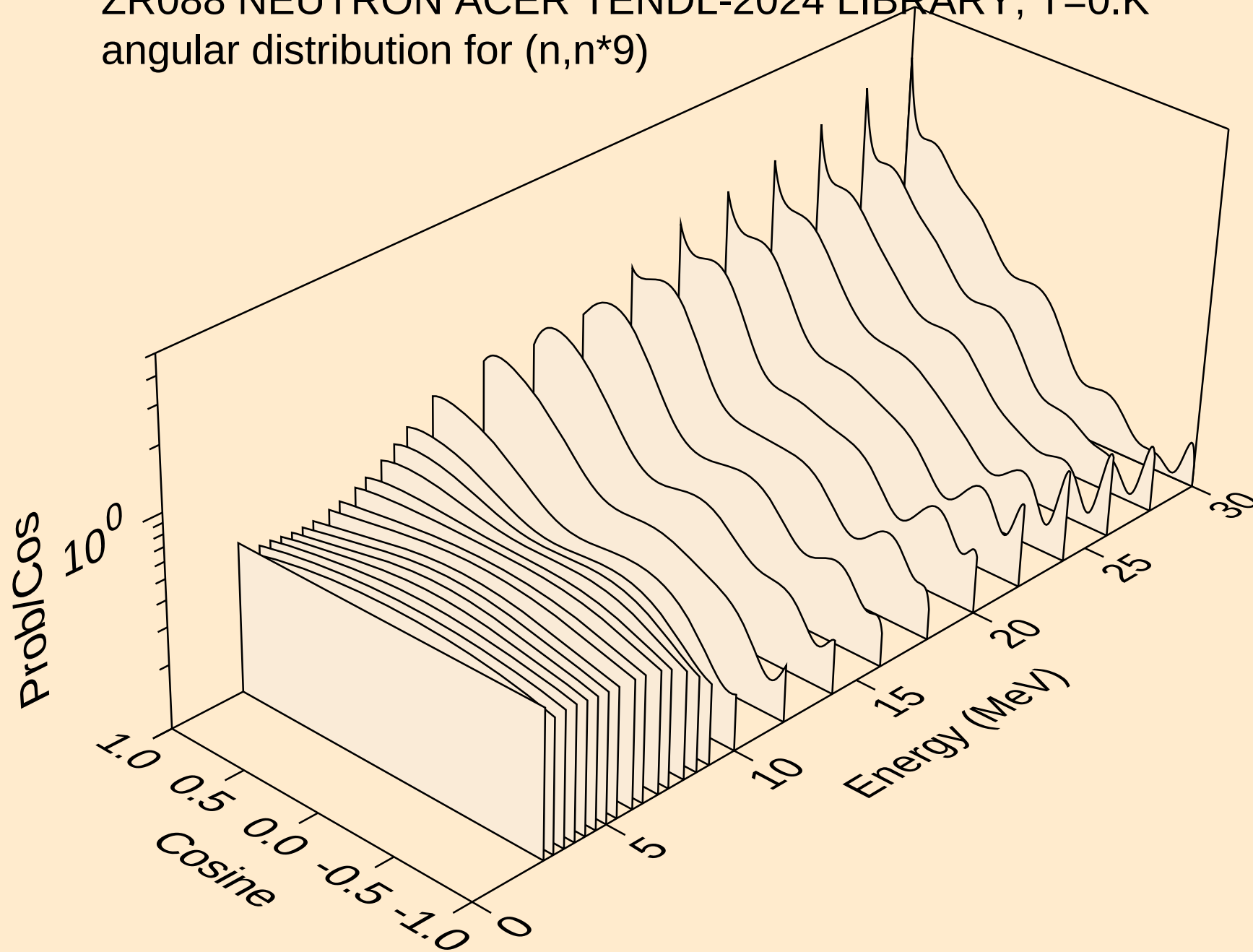
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angular distribution for (n,n\*7)



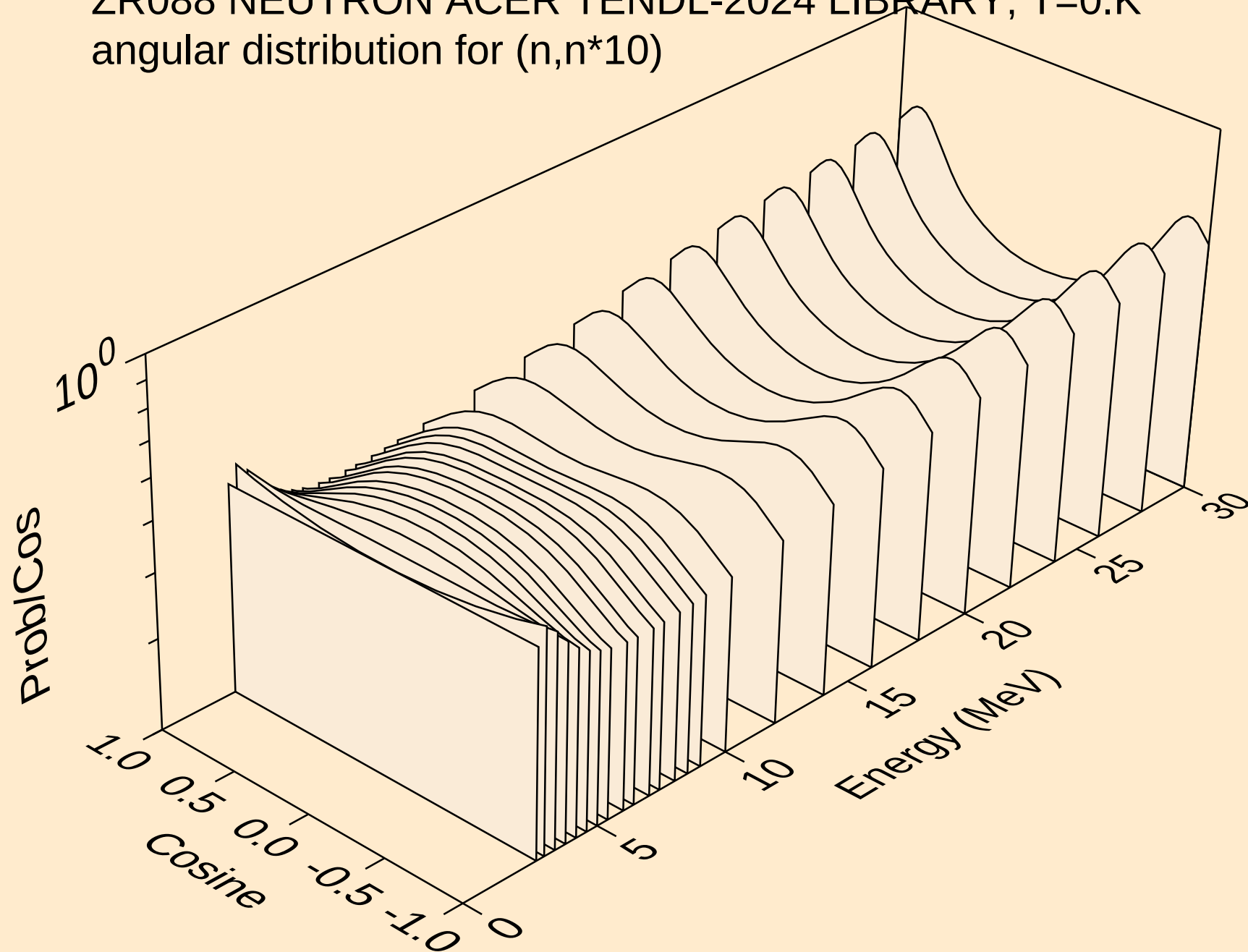
ZR088 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*8)



ZR088 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*9)

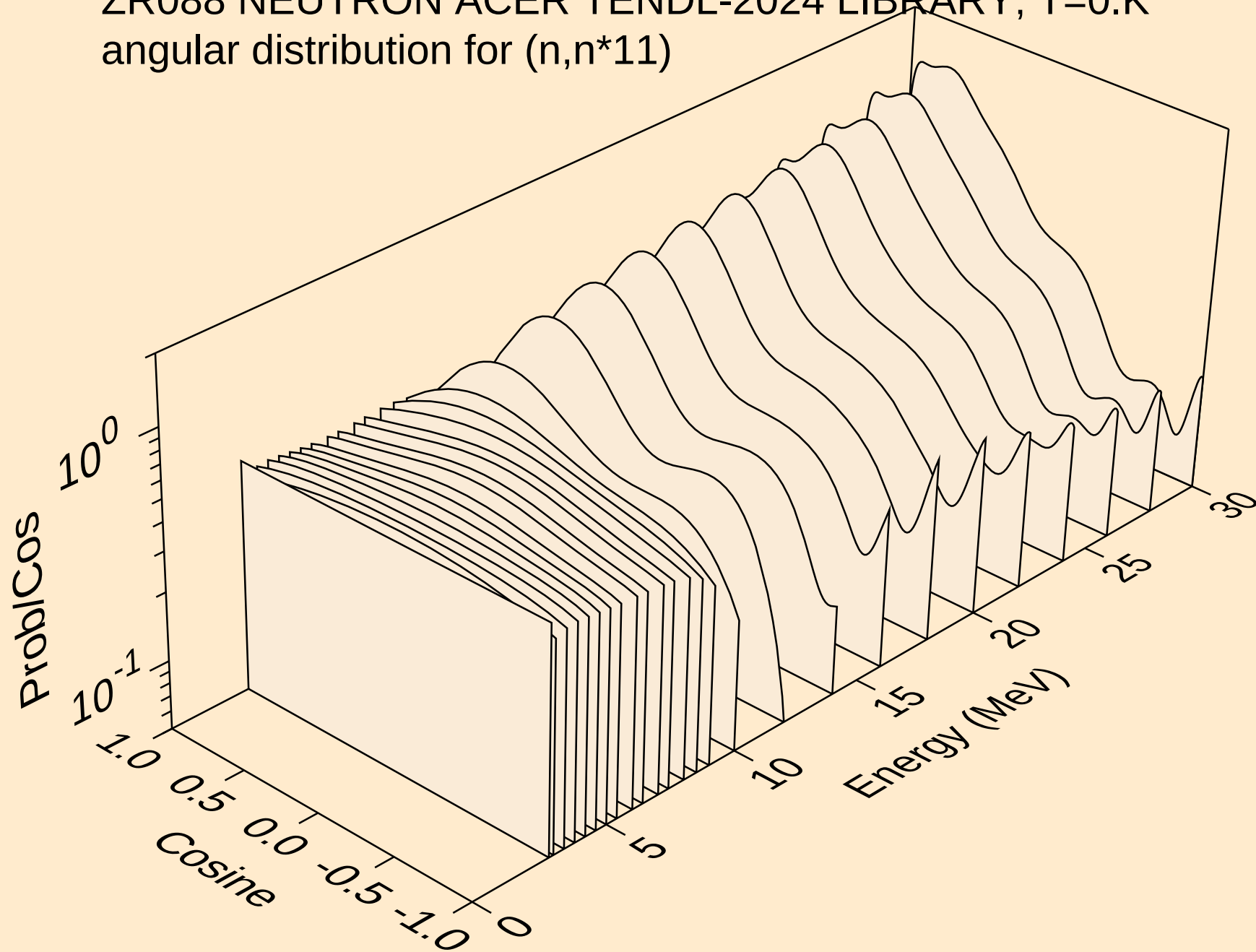


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angular distribution for (n,n\*10)

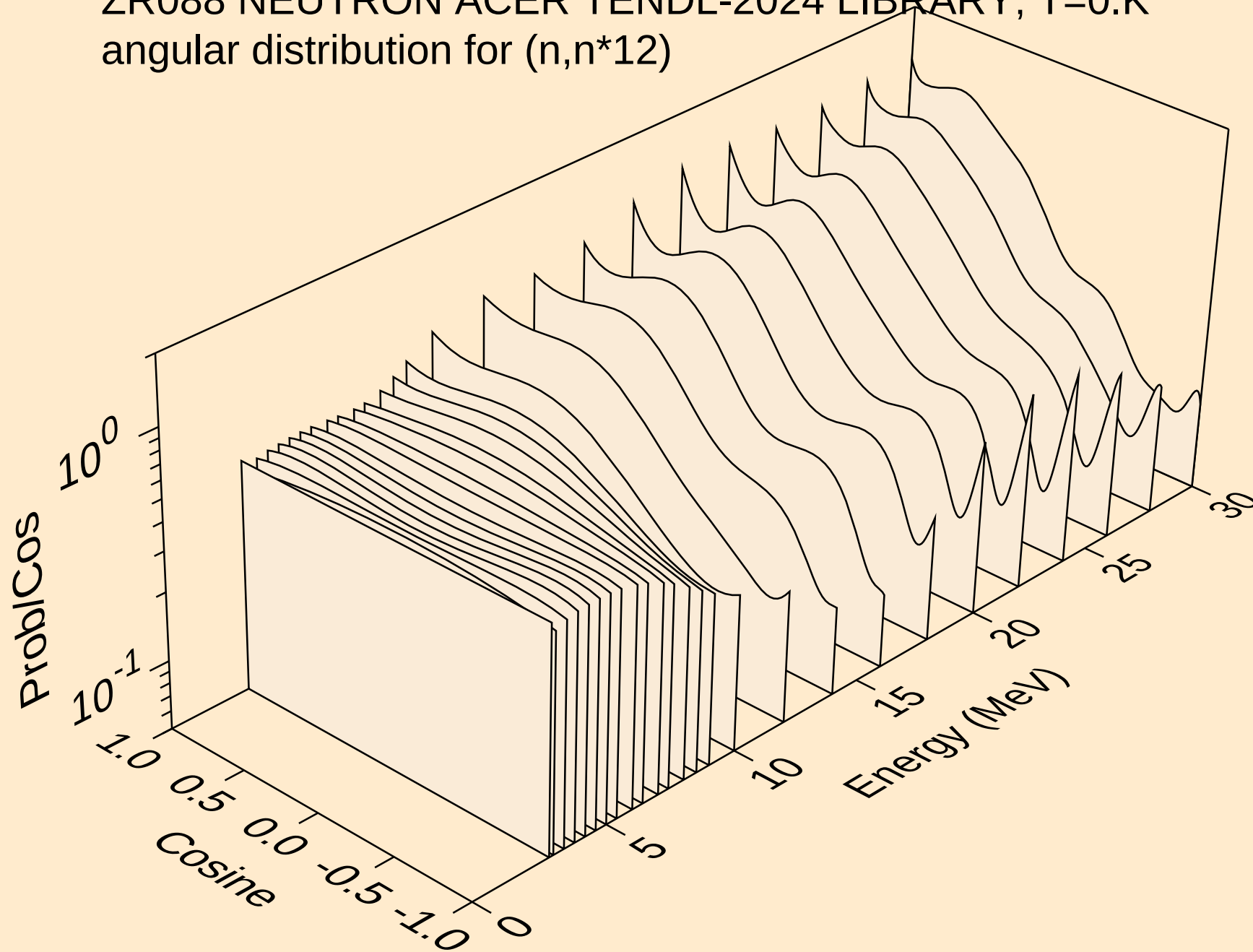




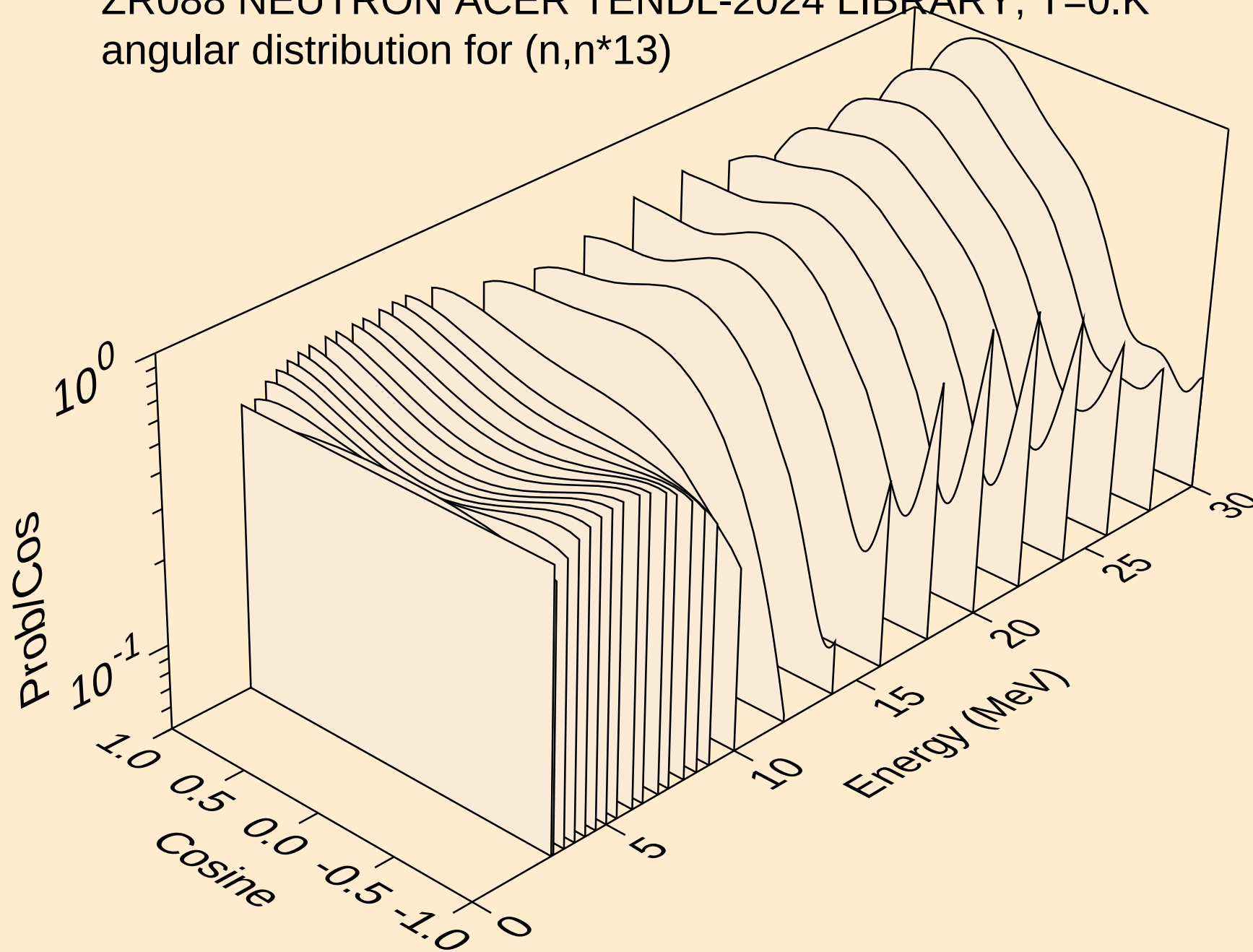
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angular distribution for (n,n\*11)



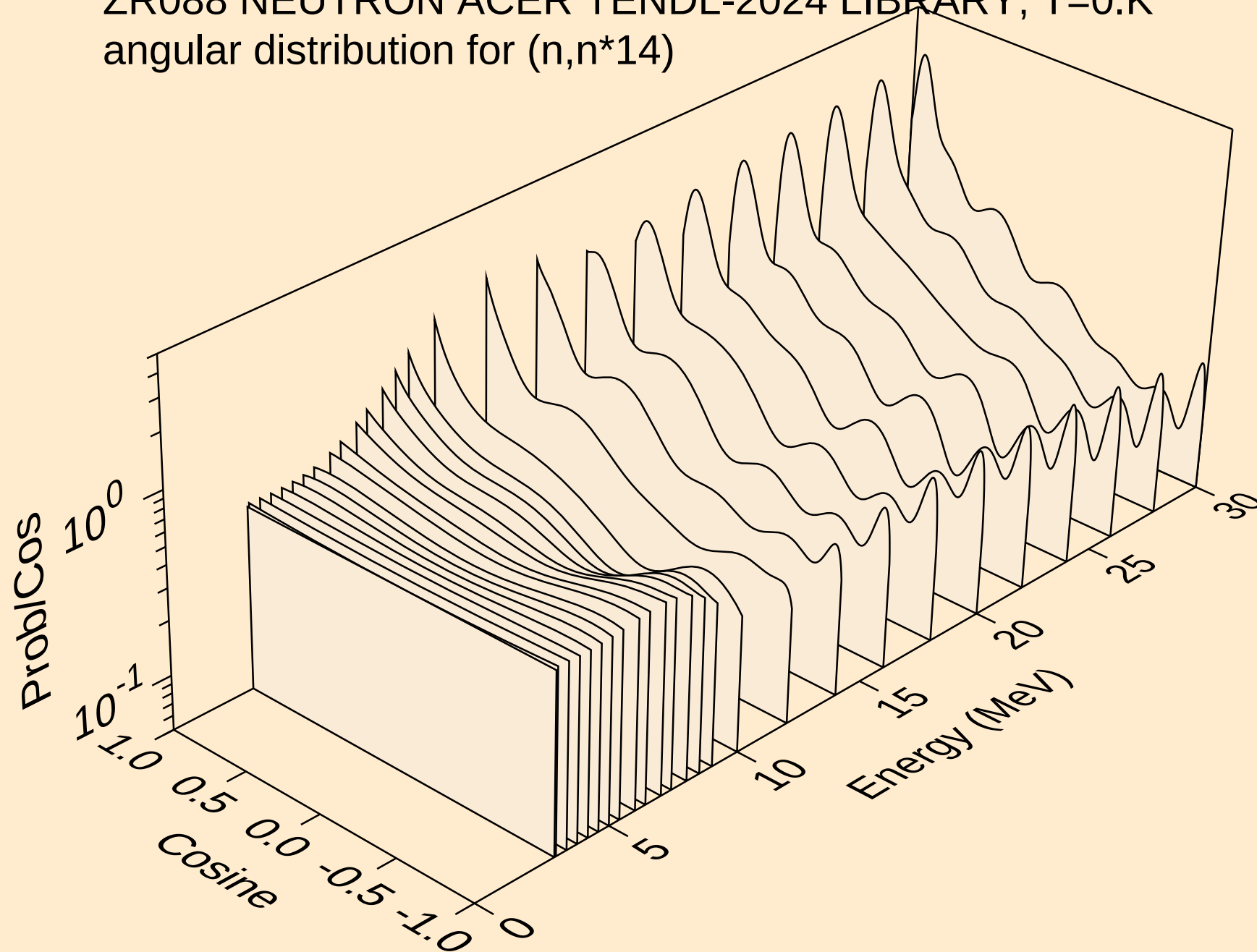
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angular distribution for (n,n\*12)



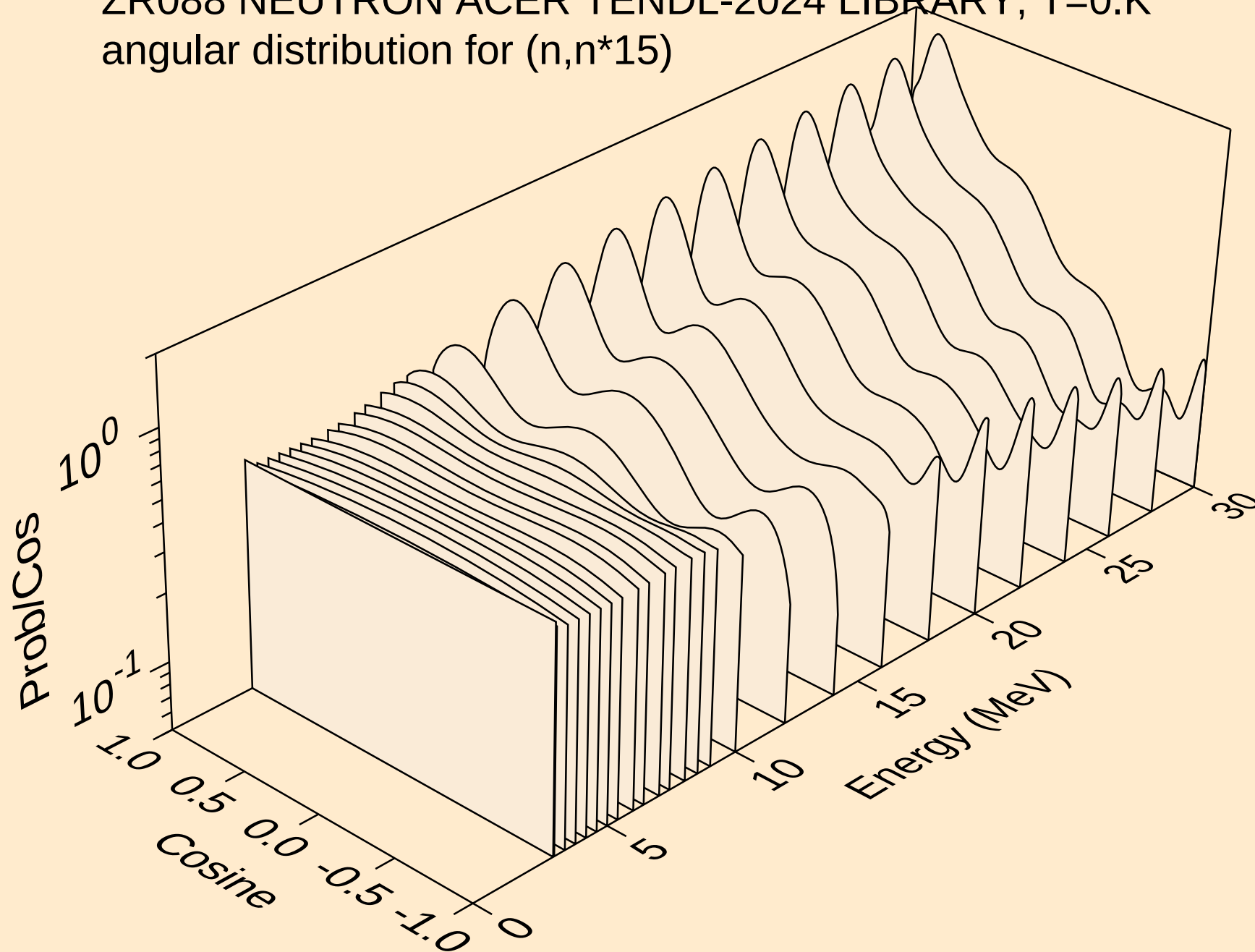
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angular distribution for (n,n\*13)



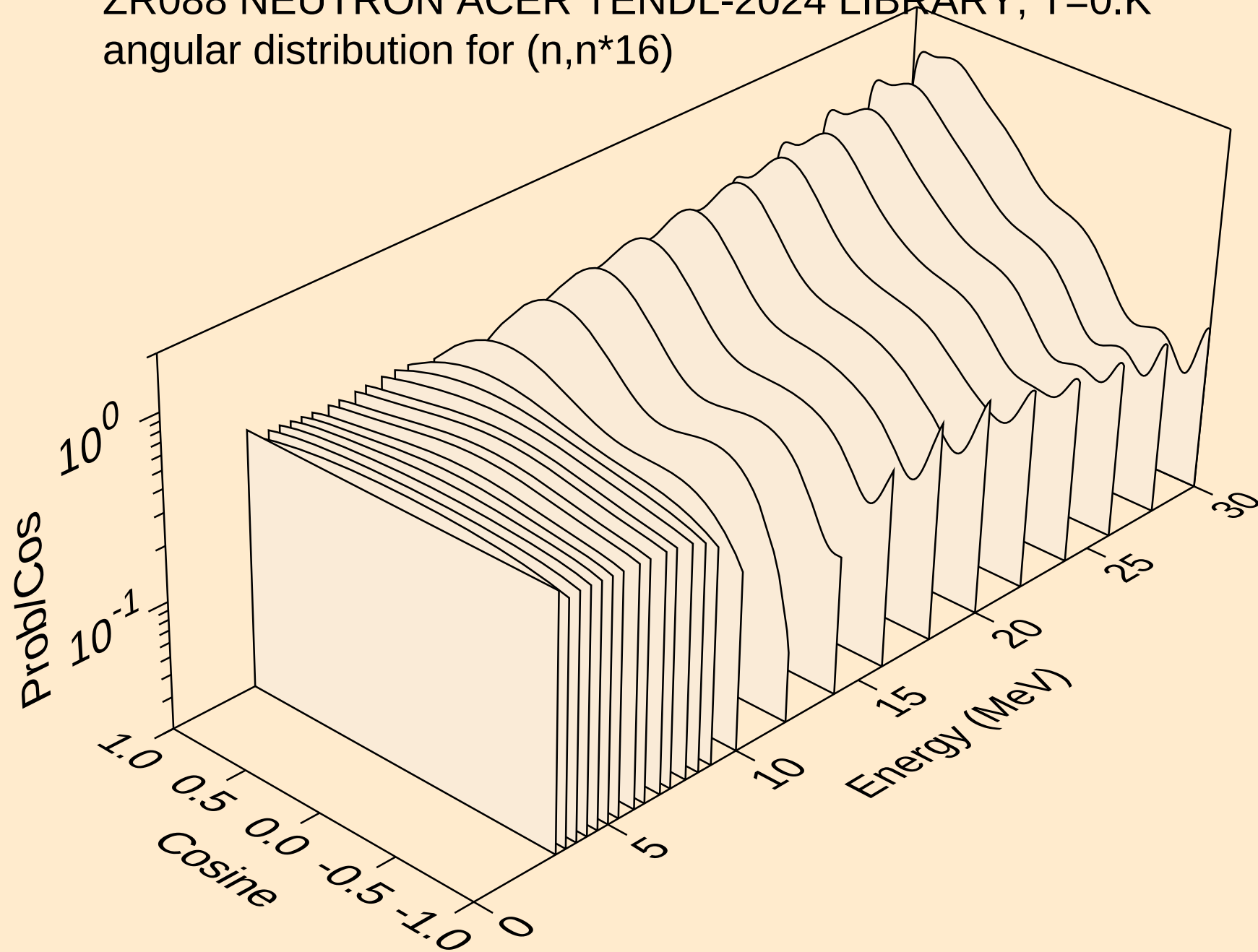
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angular distribution for (n,n\*14)



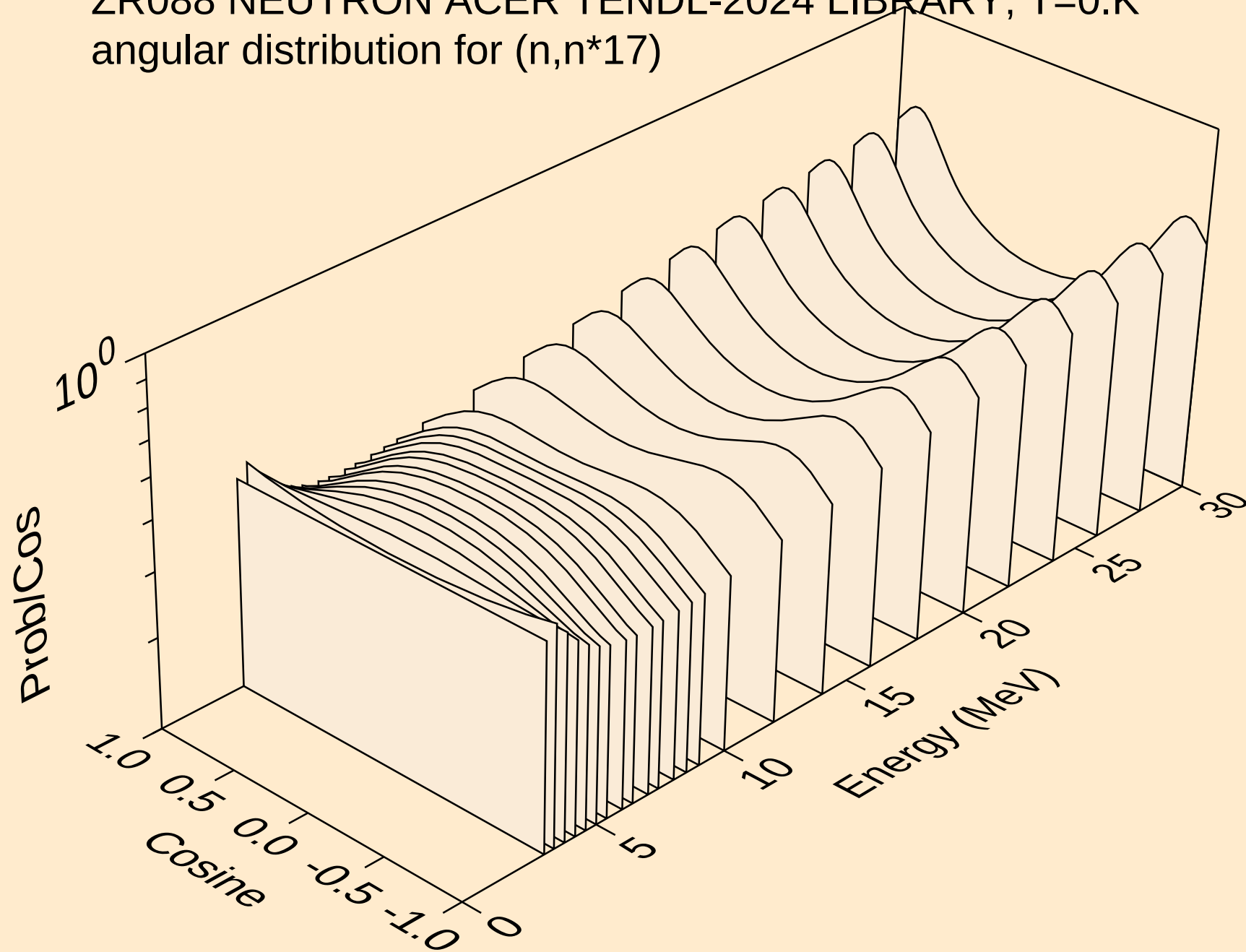
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angular distribution for (n,n\*15)



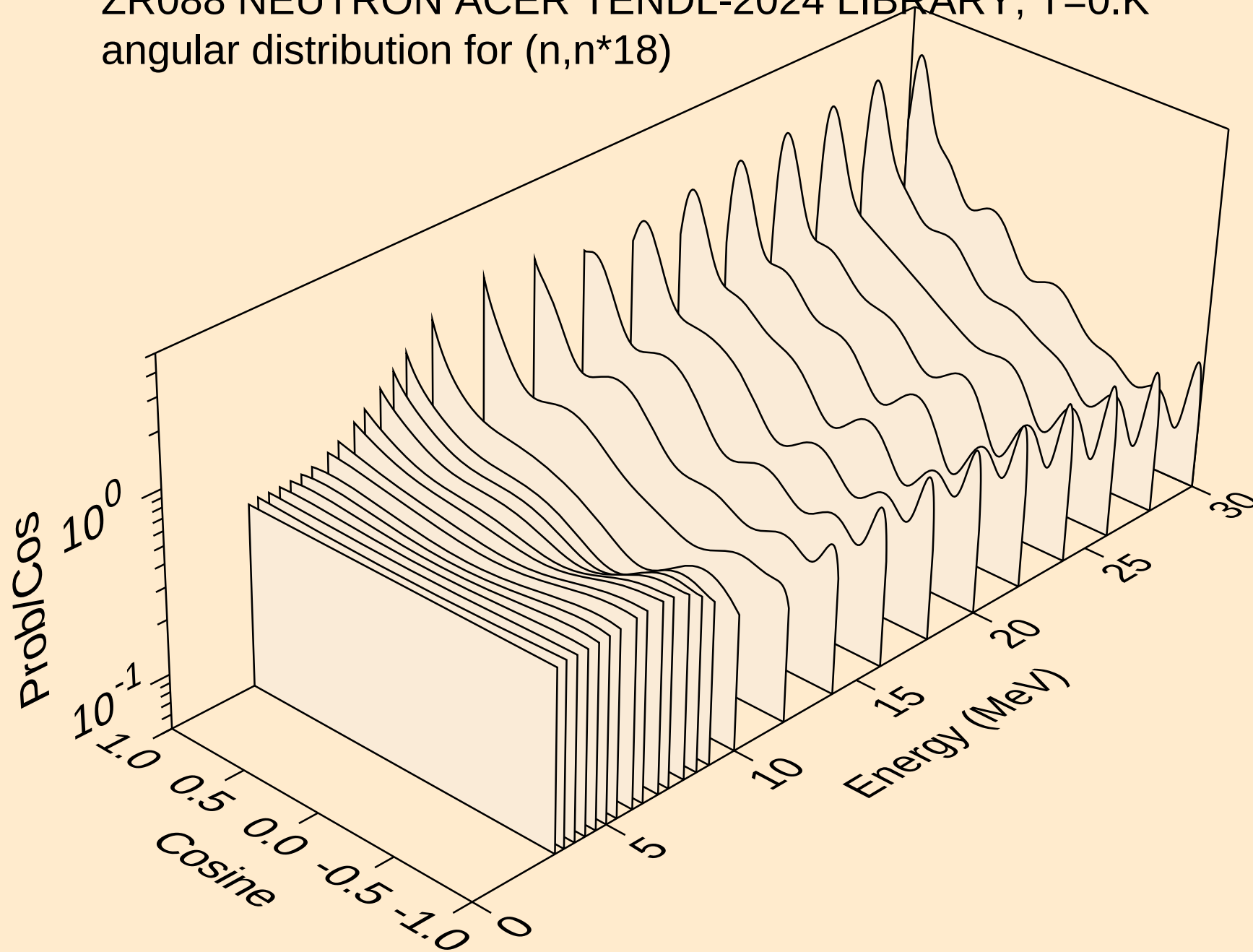
ZR088 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*16)



ZR088 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*17)

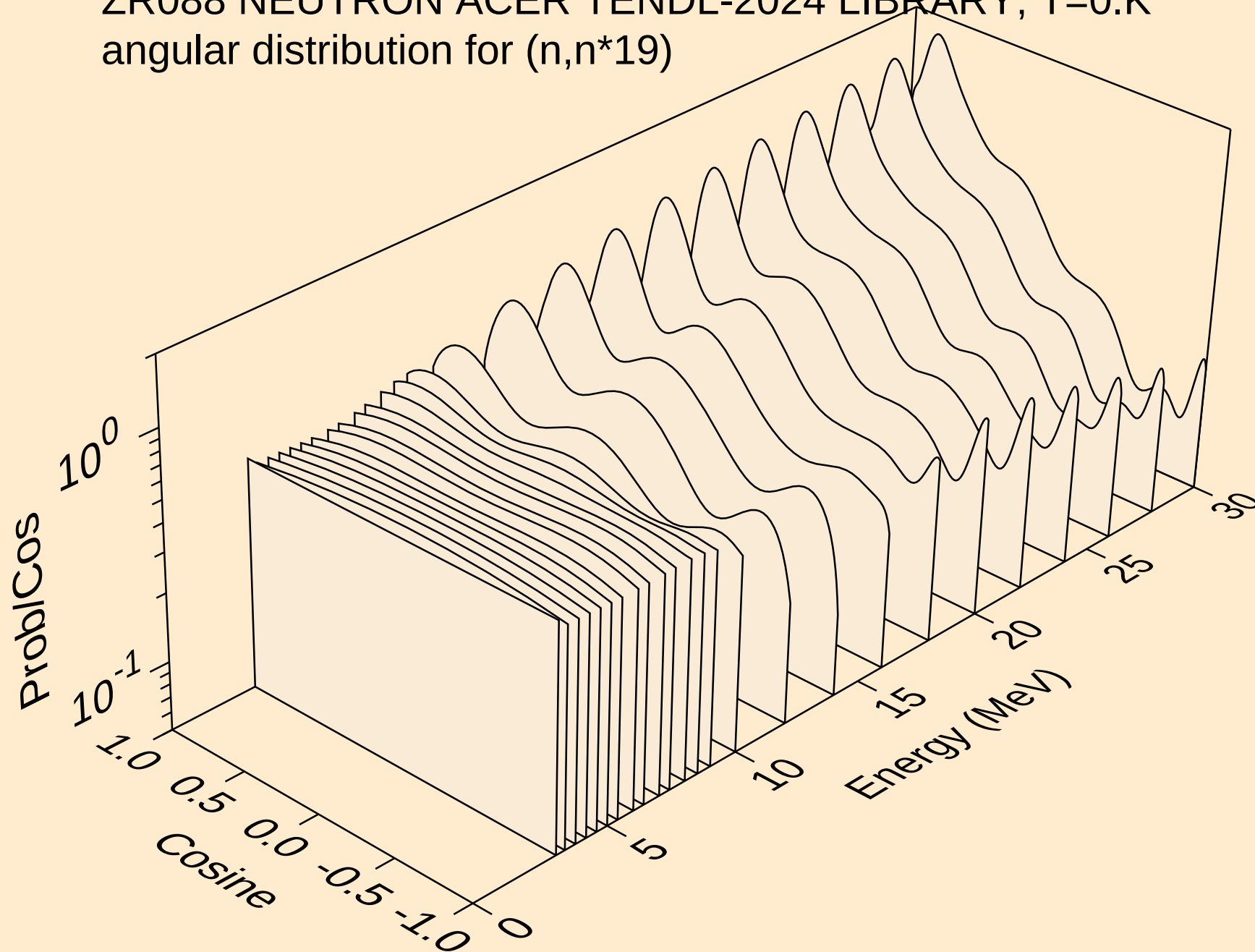


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angular distribution for (n,n\*18)

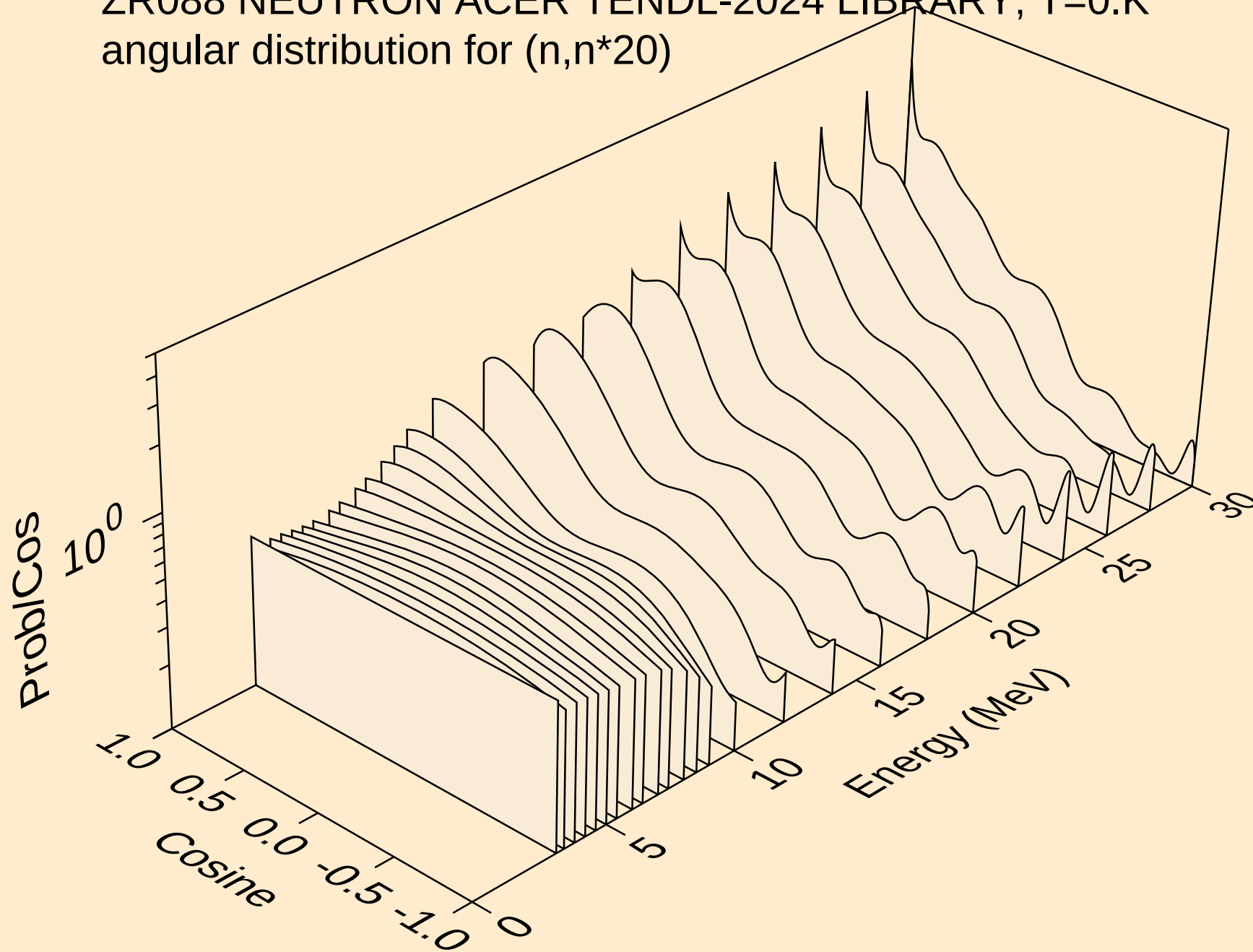




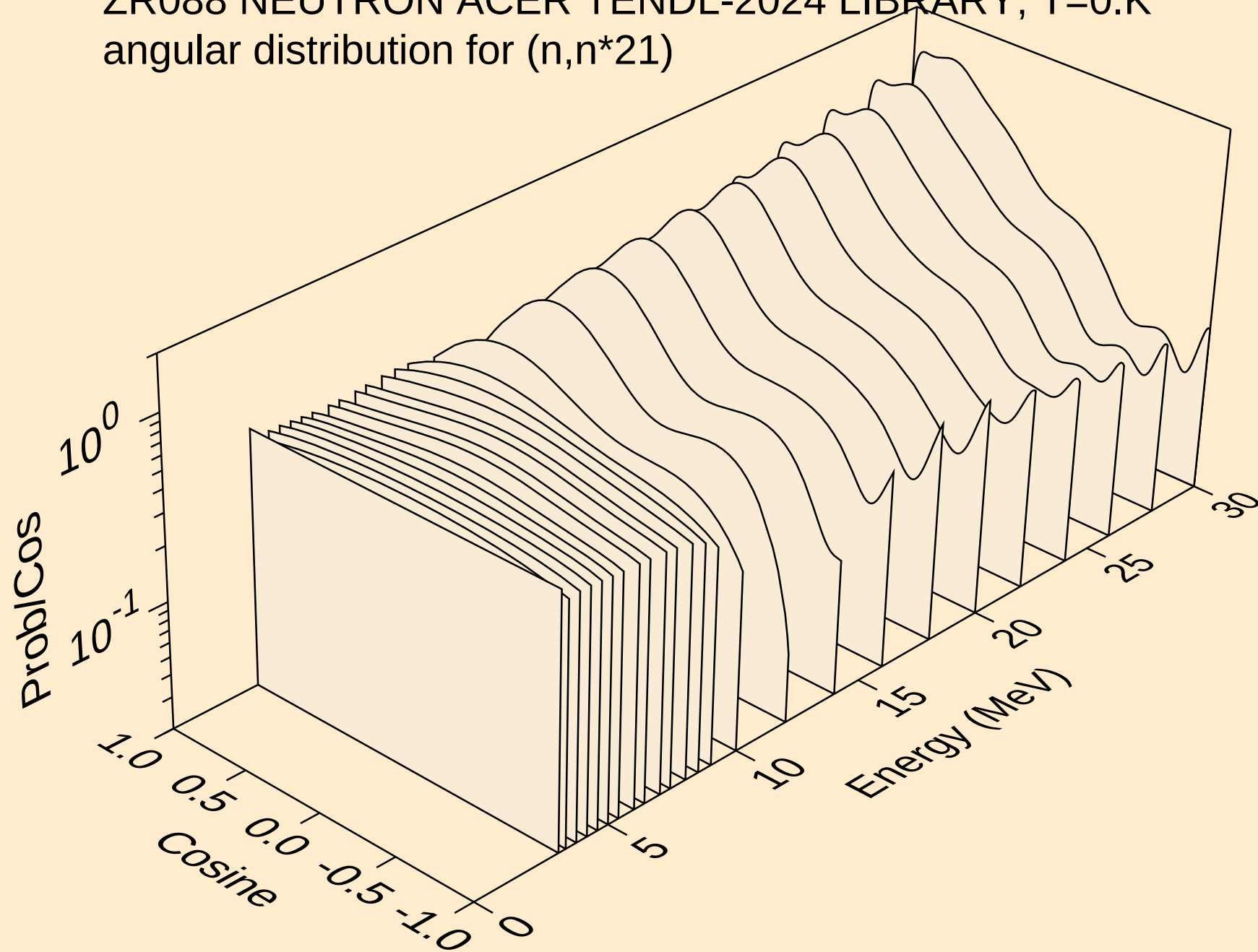
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angular distribution for (n,n\*19)



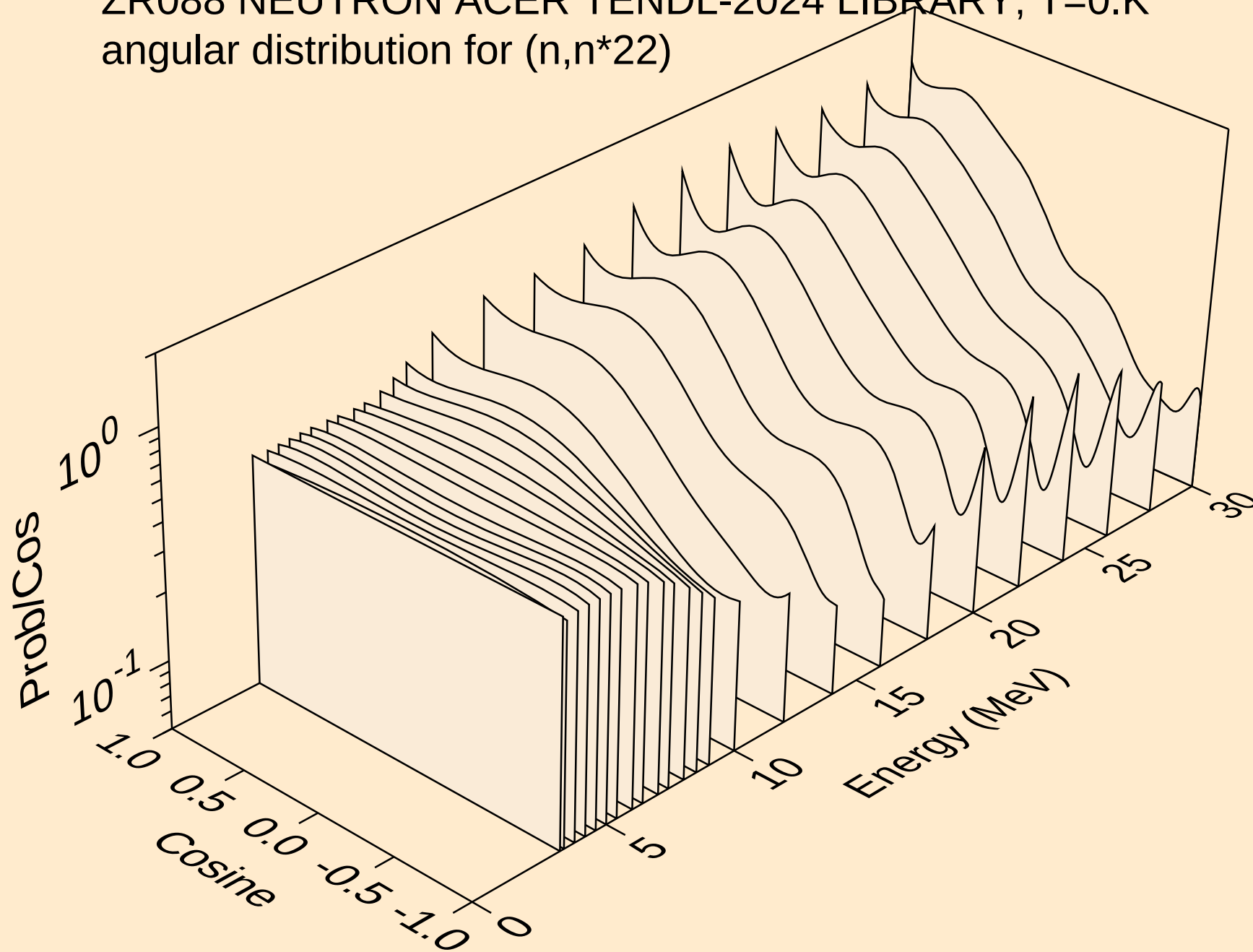
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angular distribution for (n,n\*20)



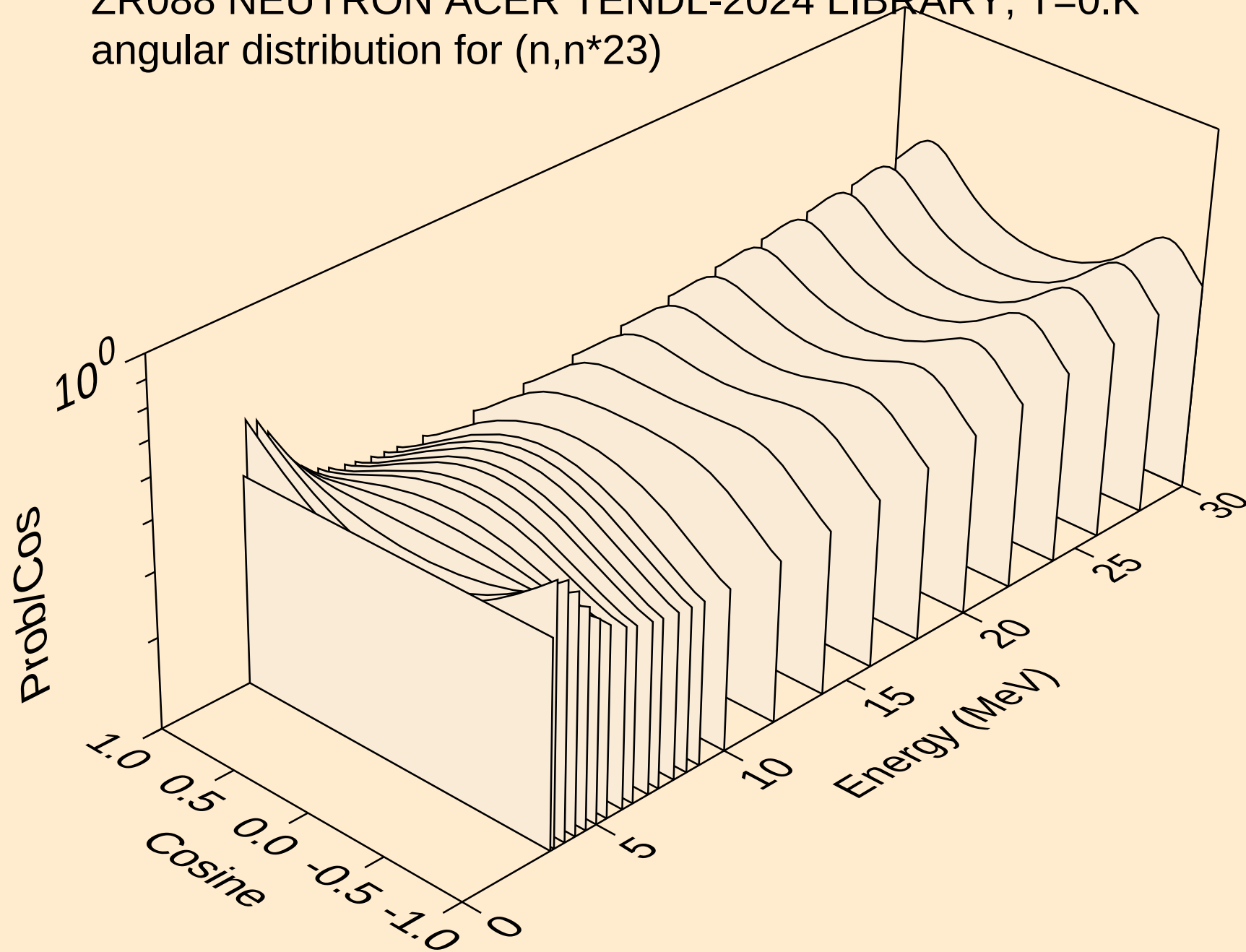
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angular distribution for (n,n\*21)



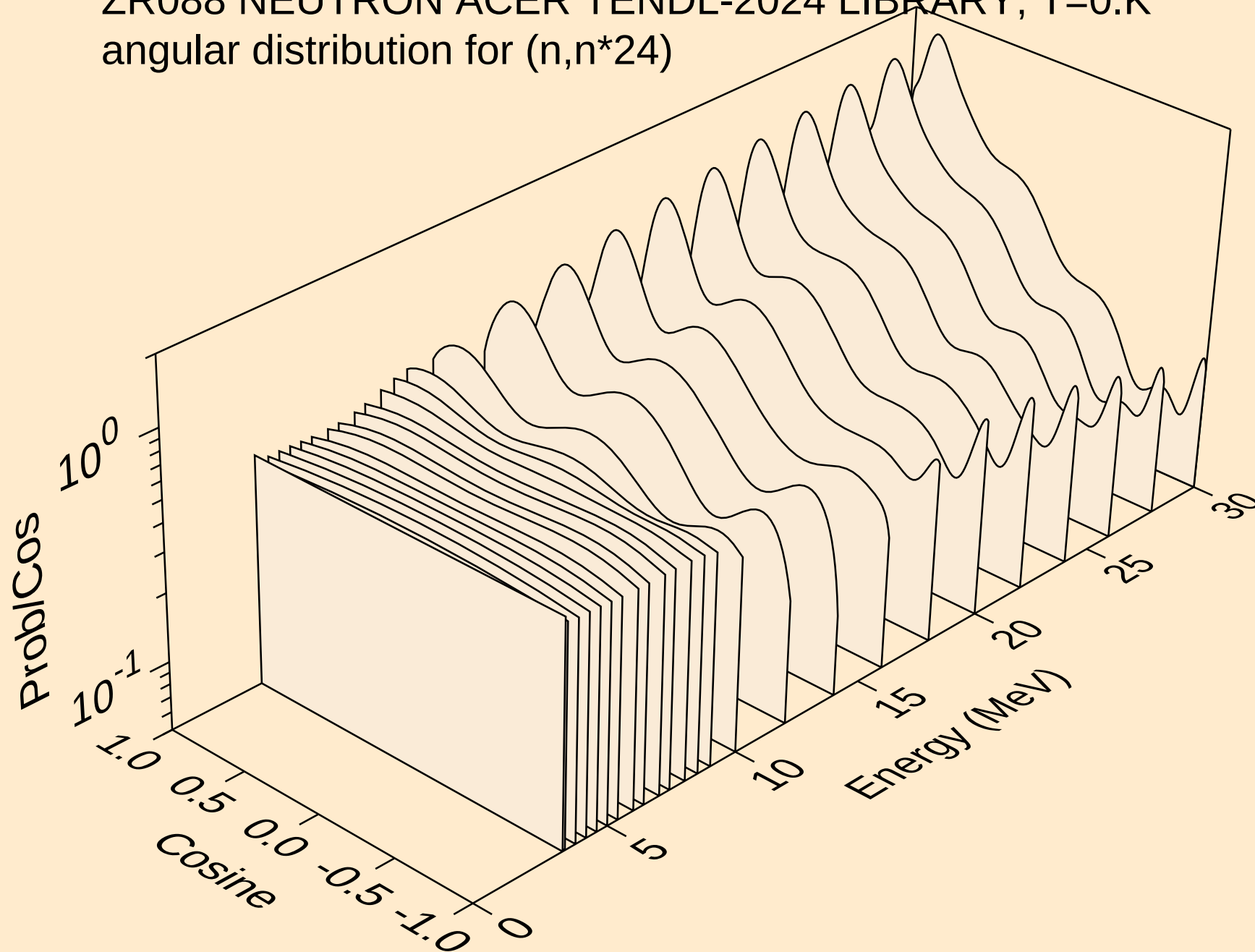
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angular distribution for (n,n\*22)



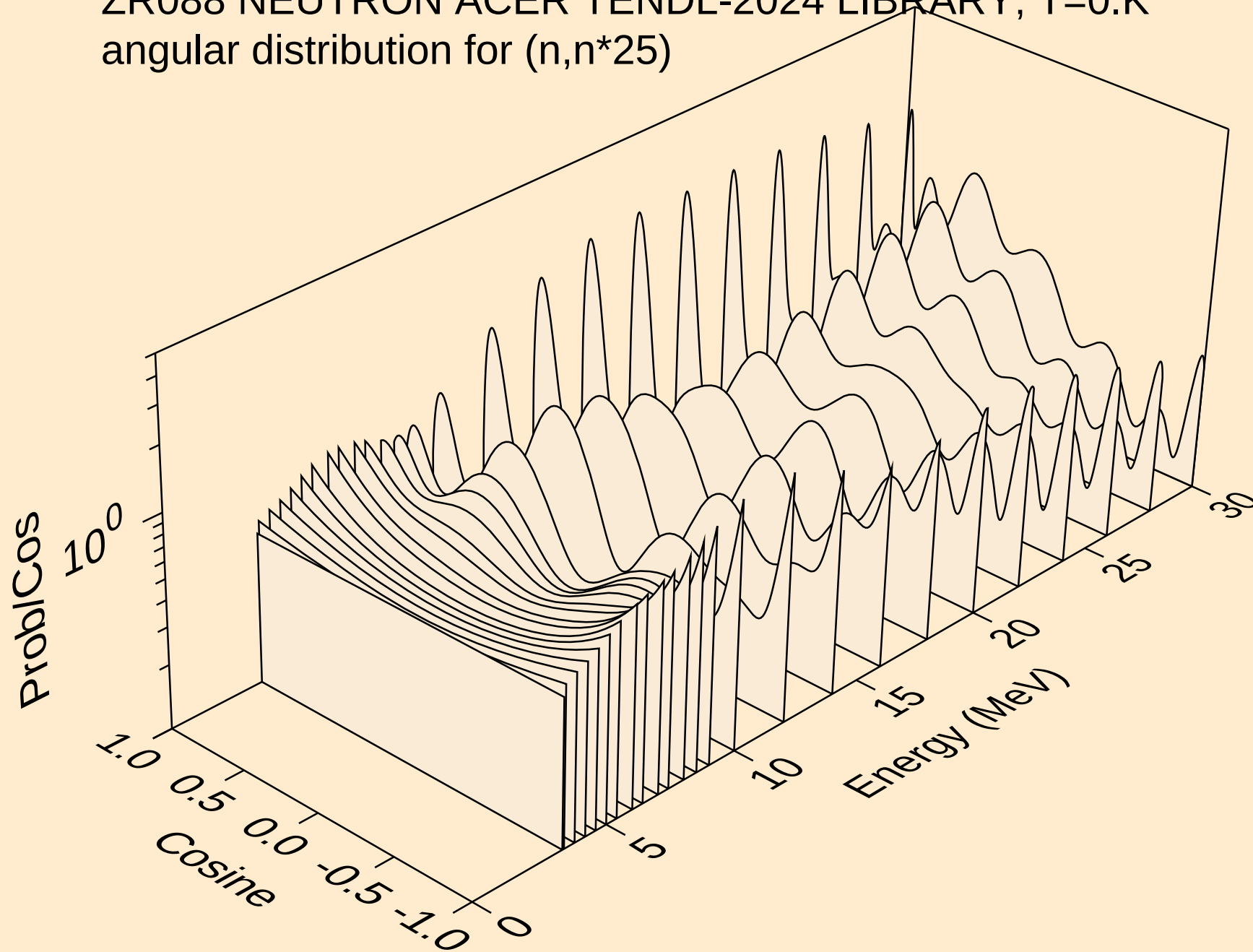
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angular distribution for (n,n\*23)



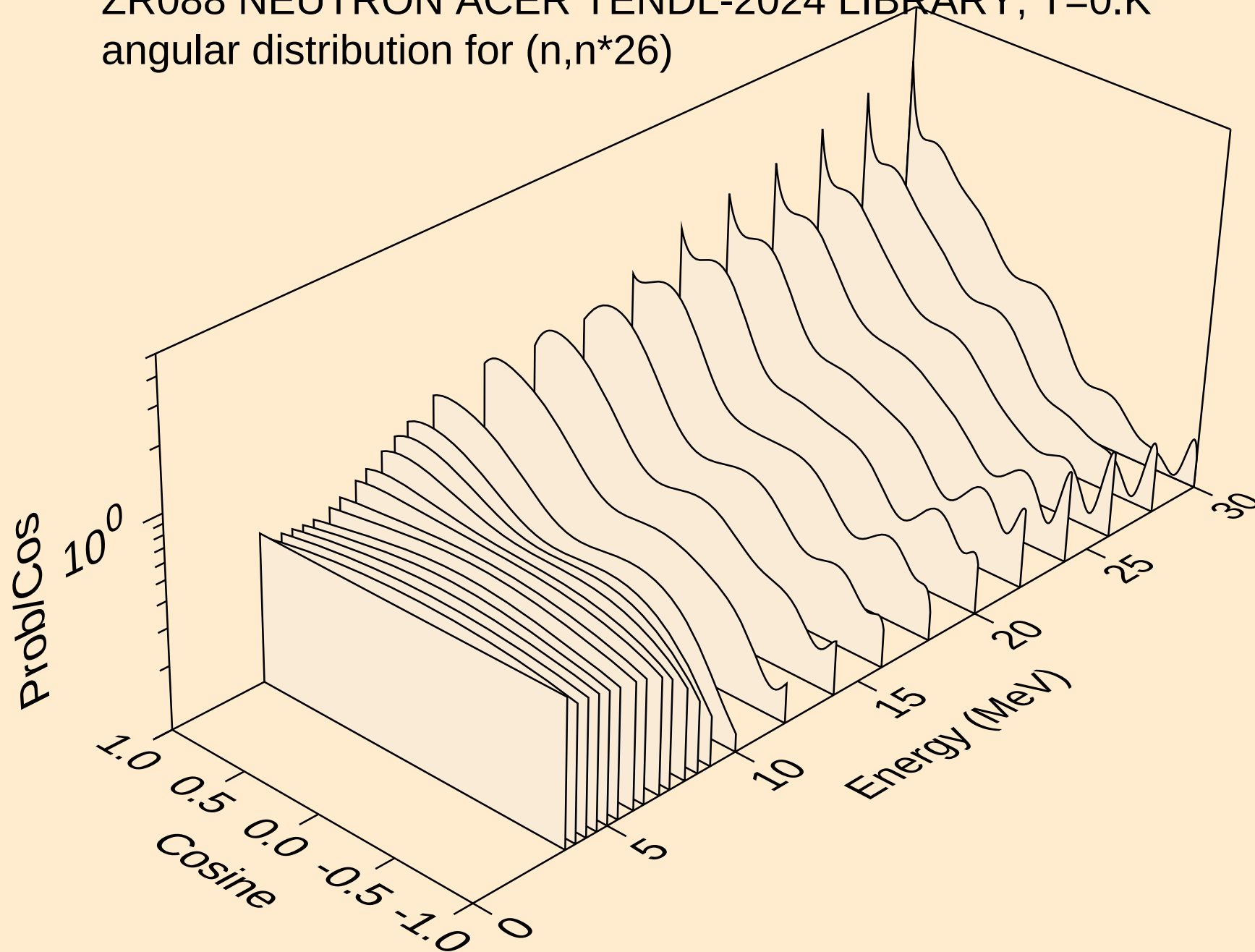
ZR088 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*24)



ZR088 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*25)

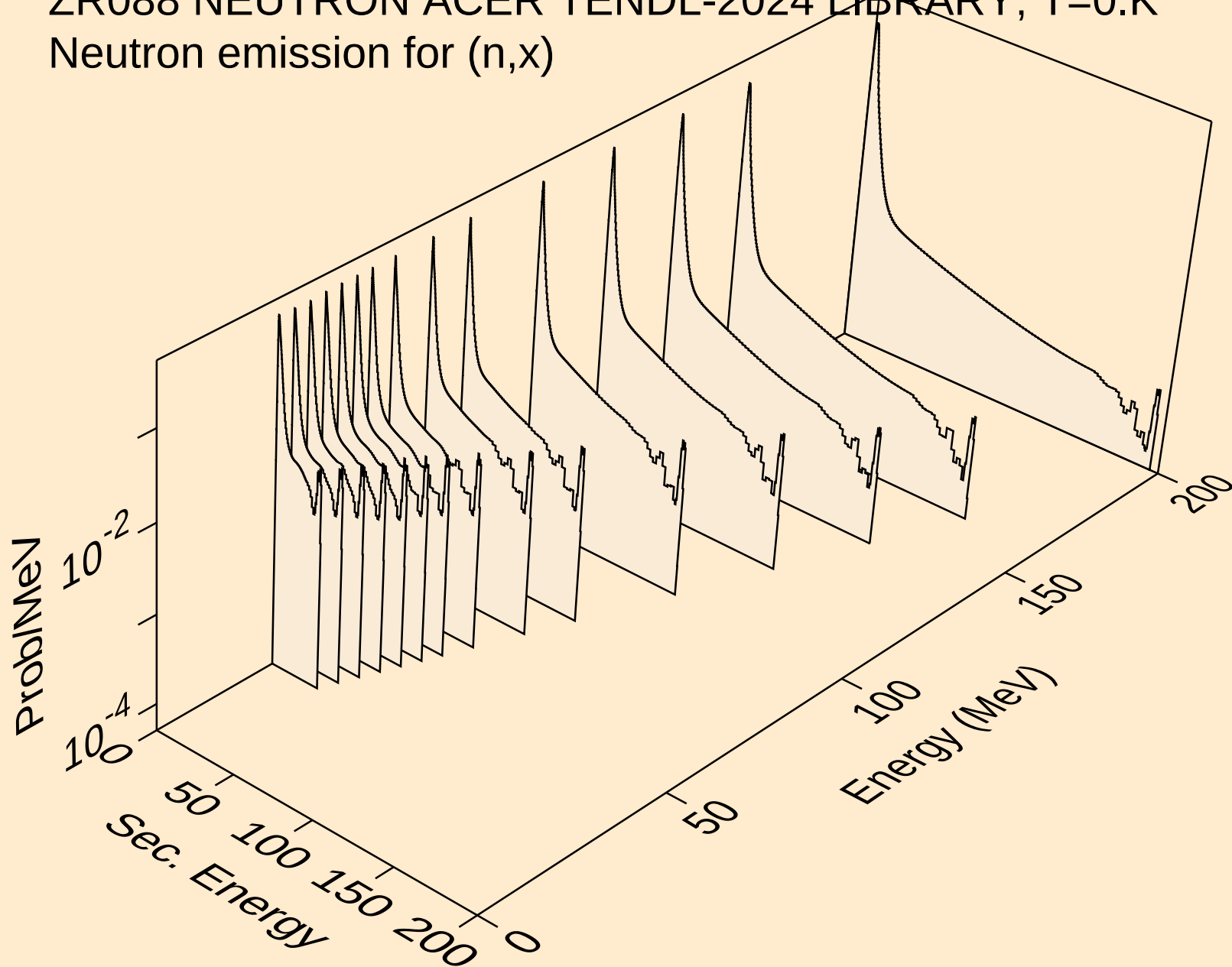


ZR088 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*26)

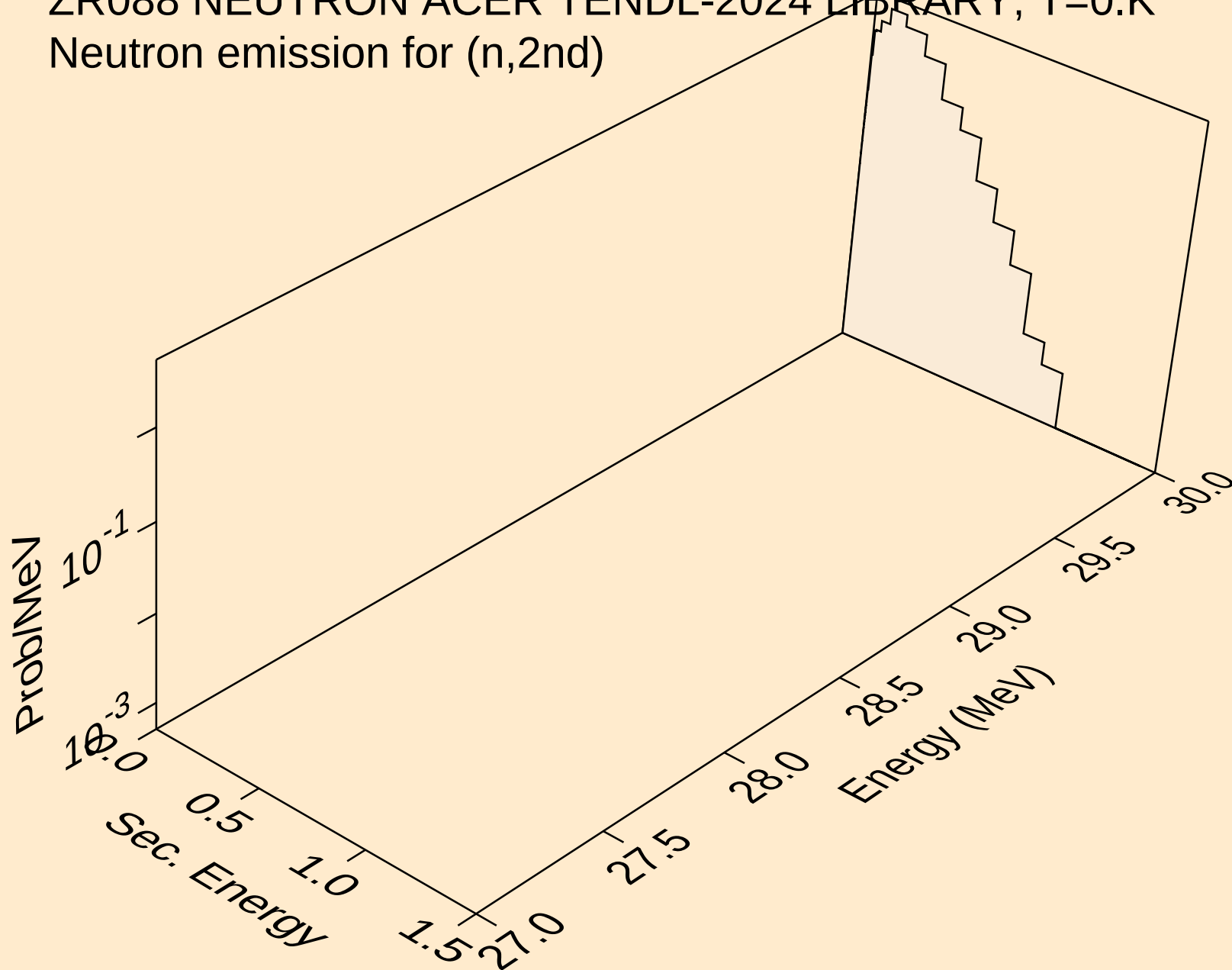




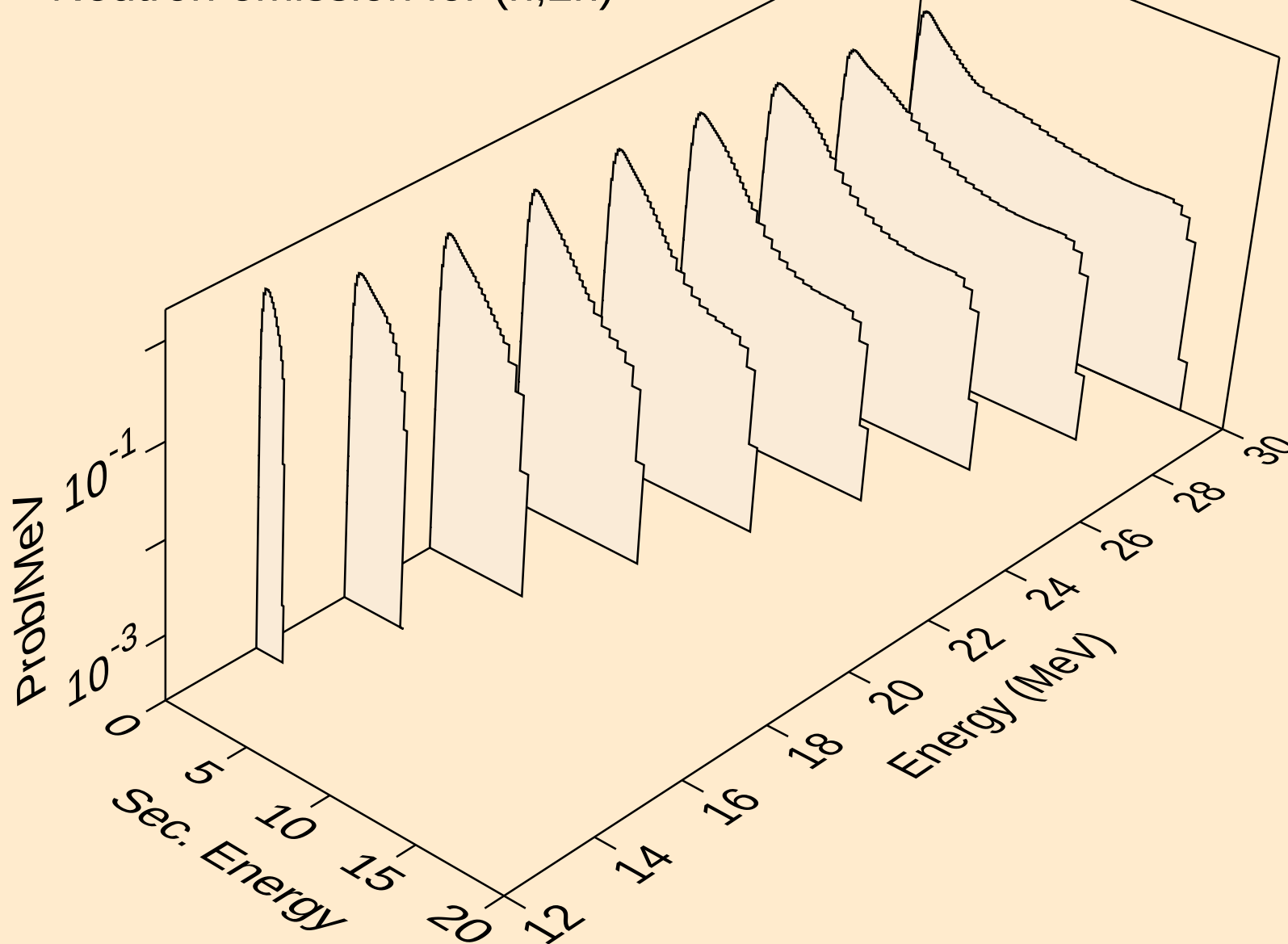
ZR088 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,x)



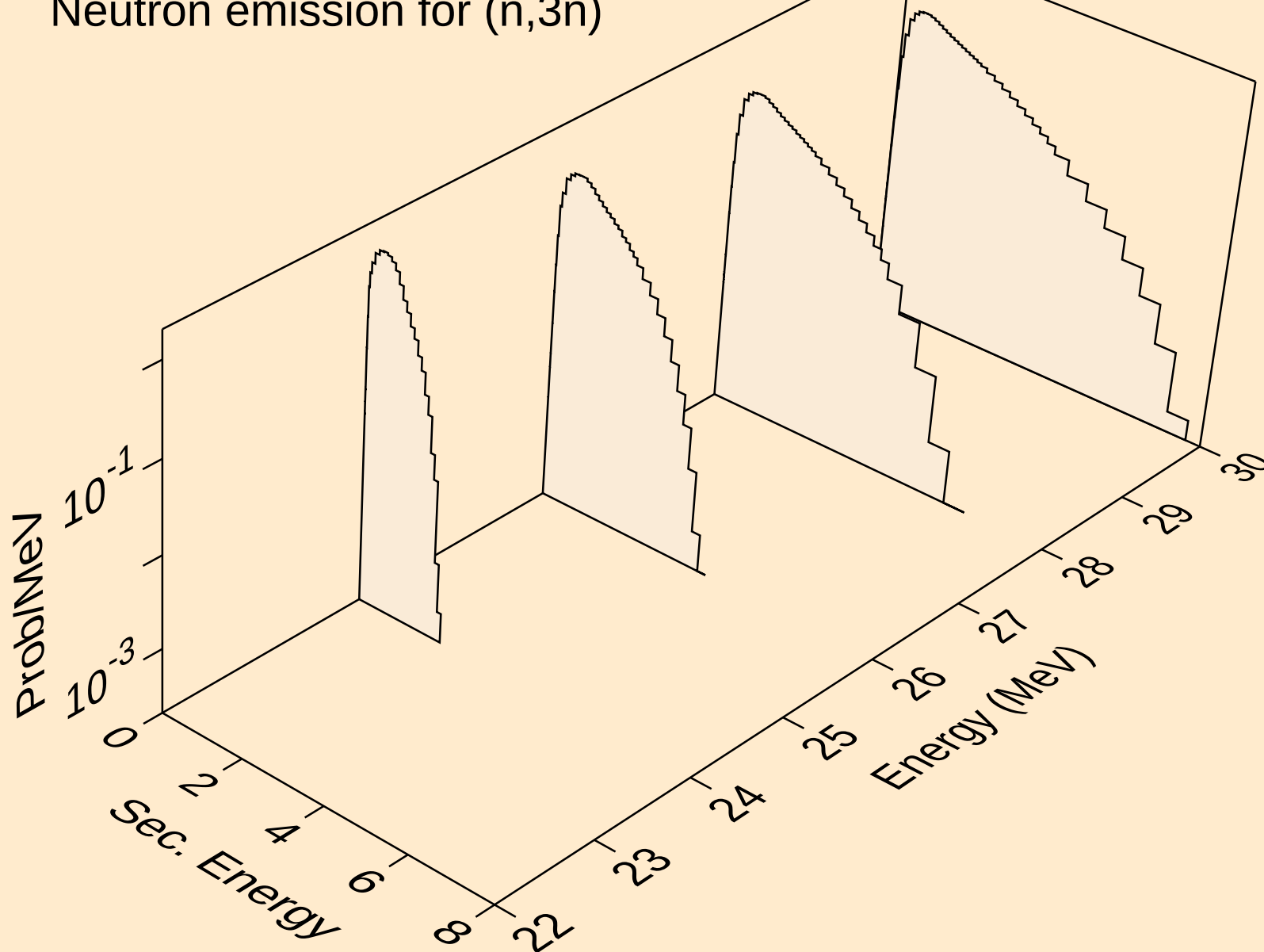
ZR088 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



ZR088 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)

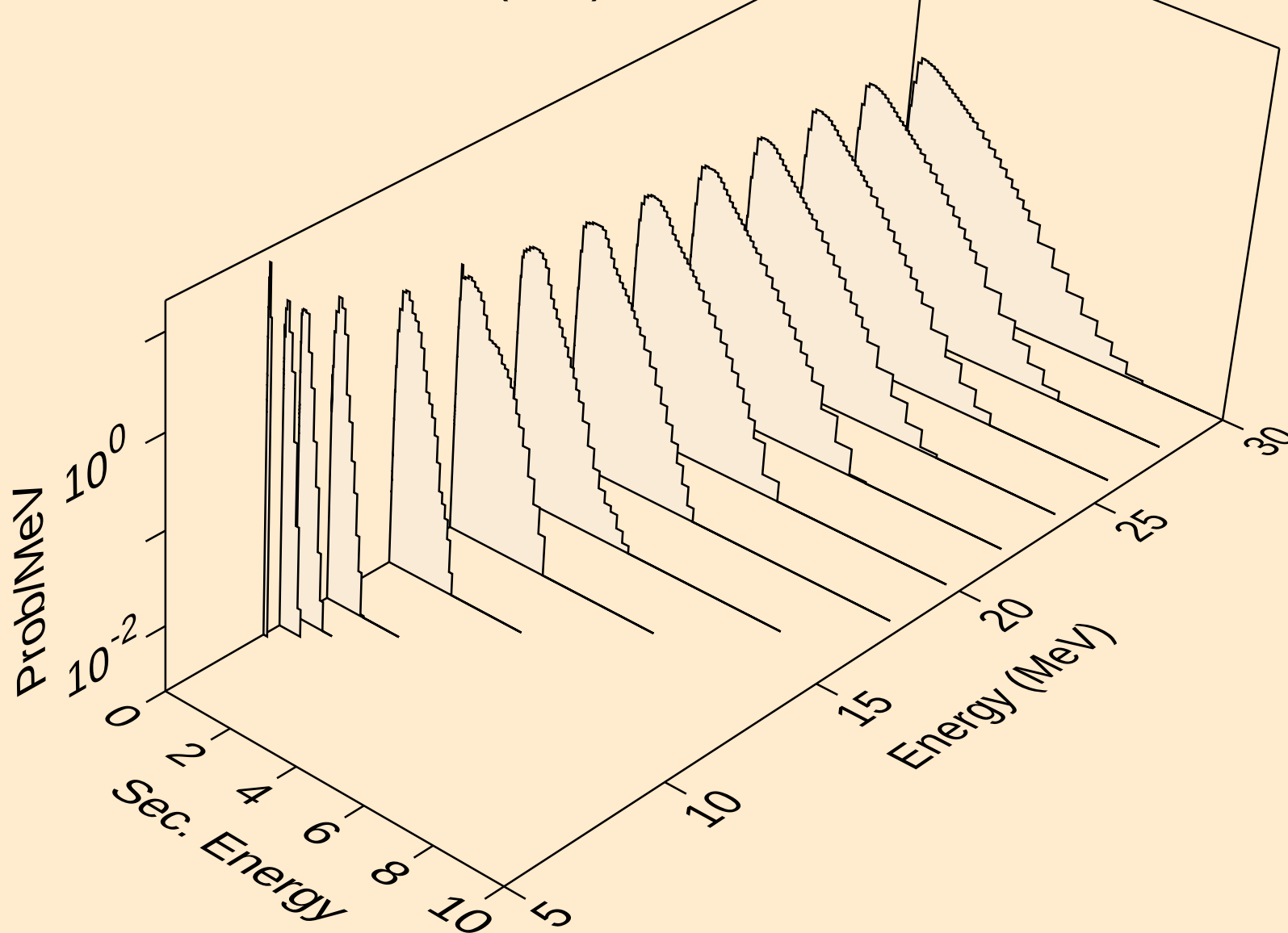


ZR088 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)



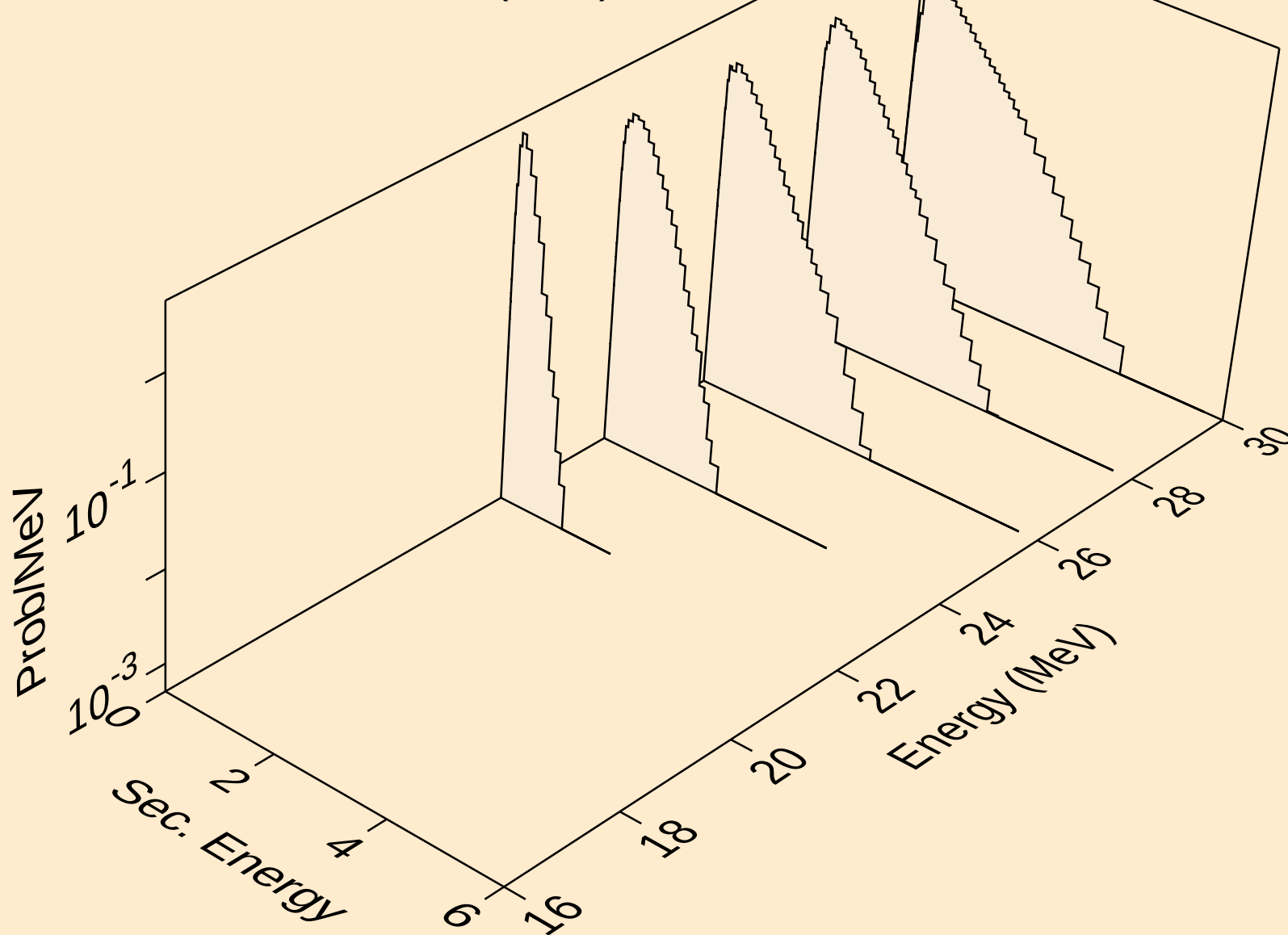
ZR088 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

Neutron emission for (n,n\*)a



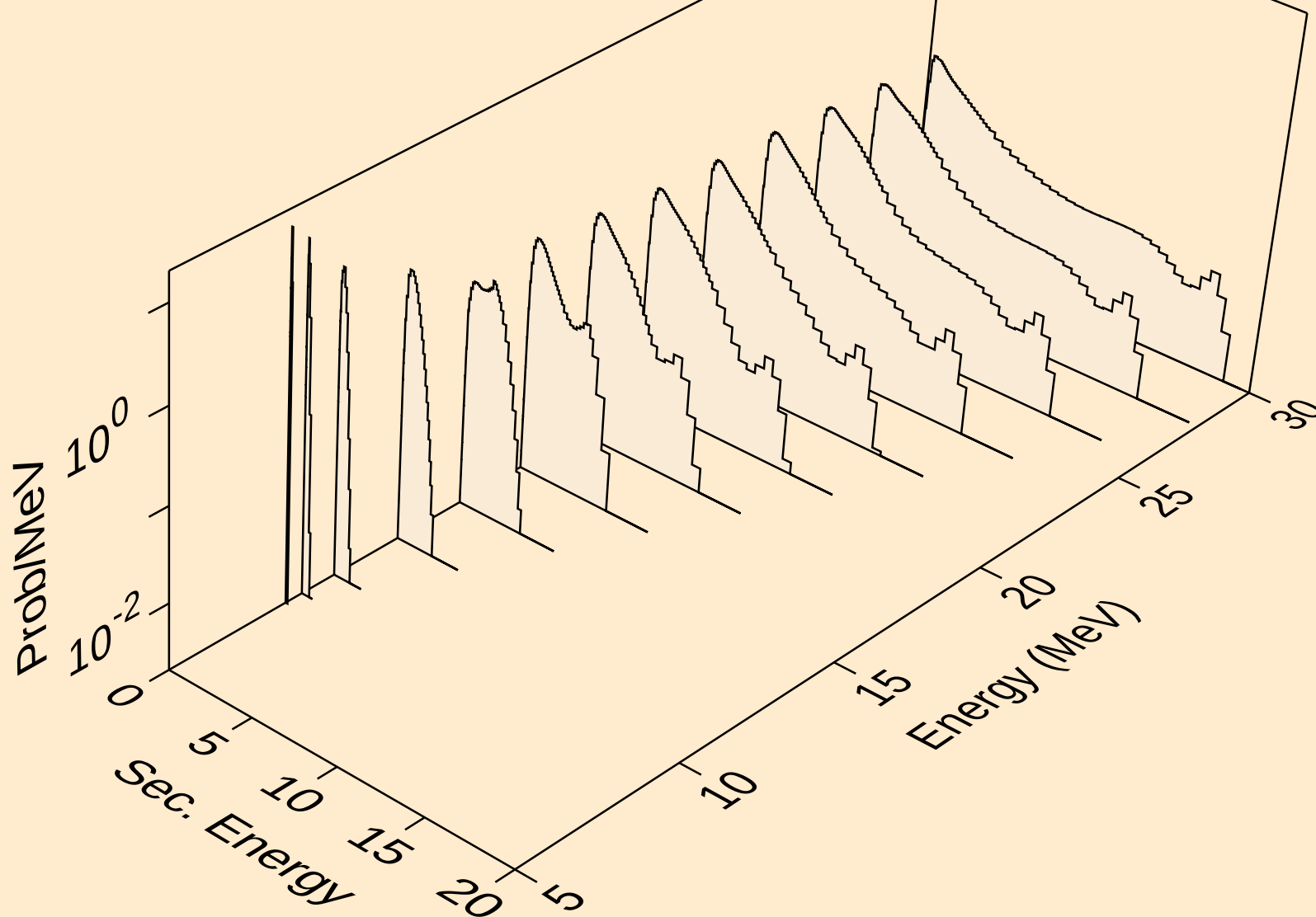
ZR088 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

Neutron emission for (n,2n) $\alpha$



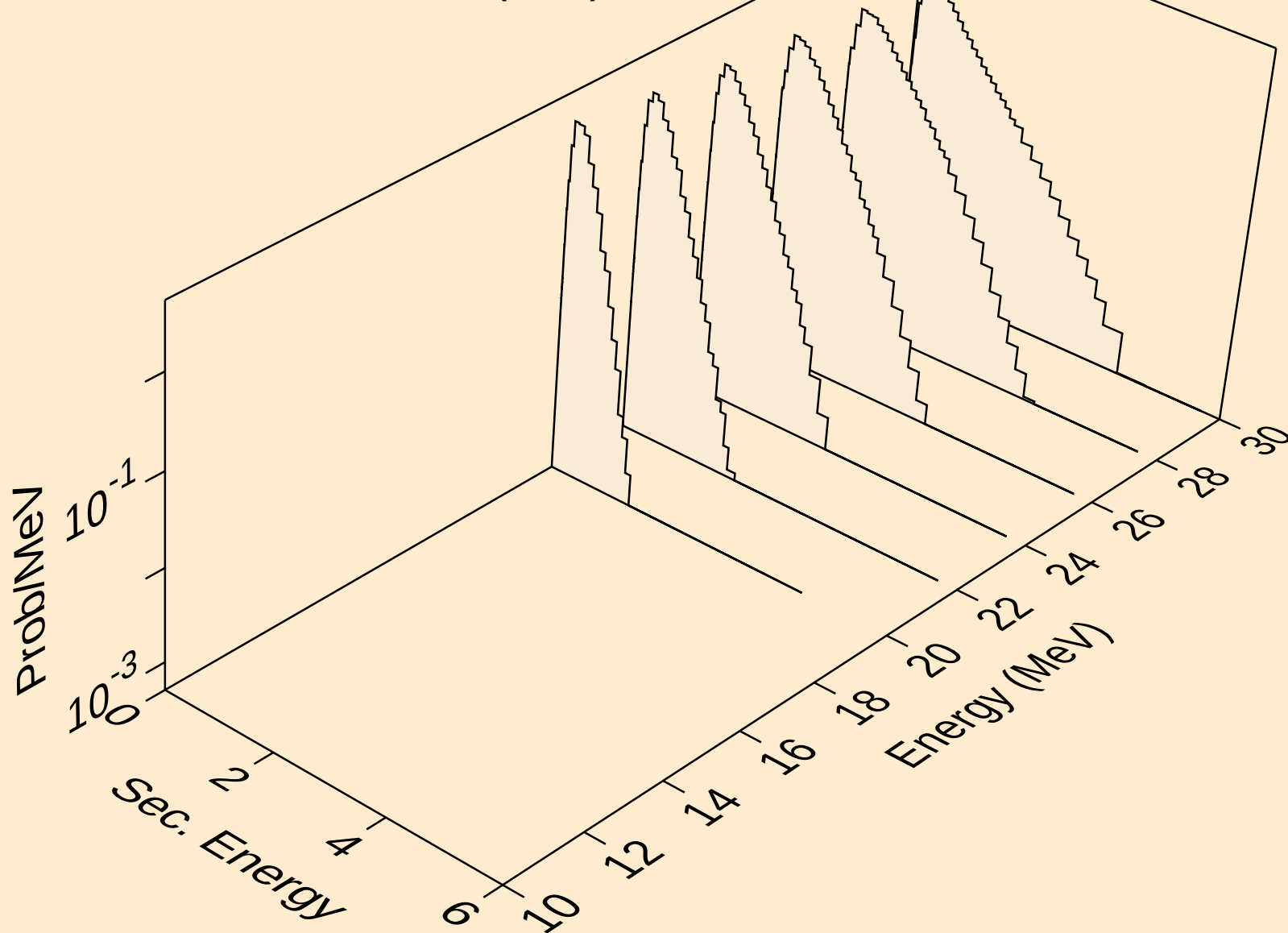
ZR088 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

Neutron emission for (n,n\*)p



ZR088 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

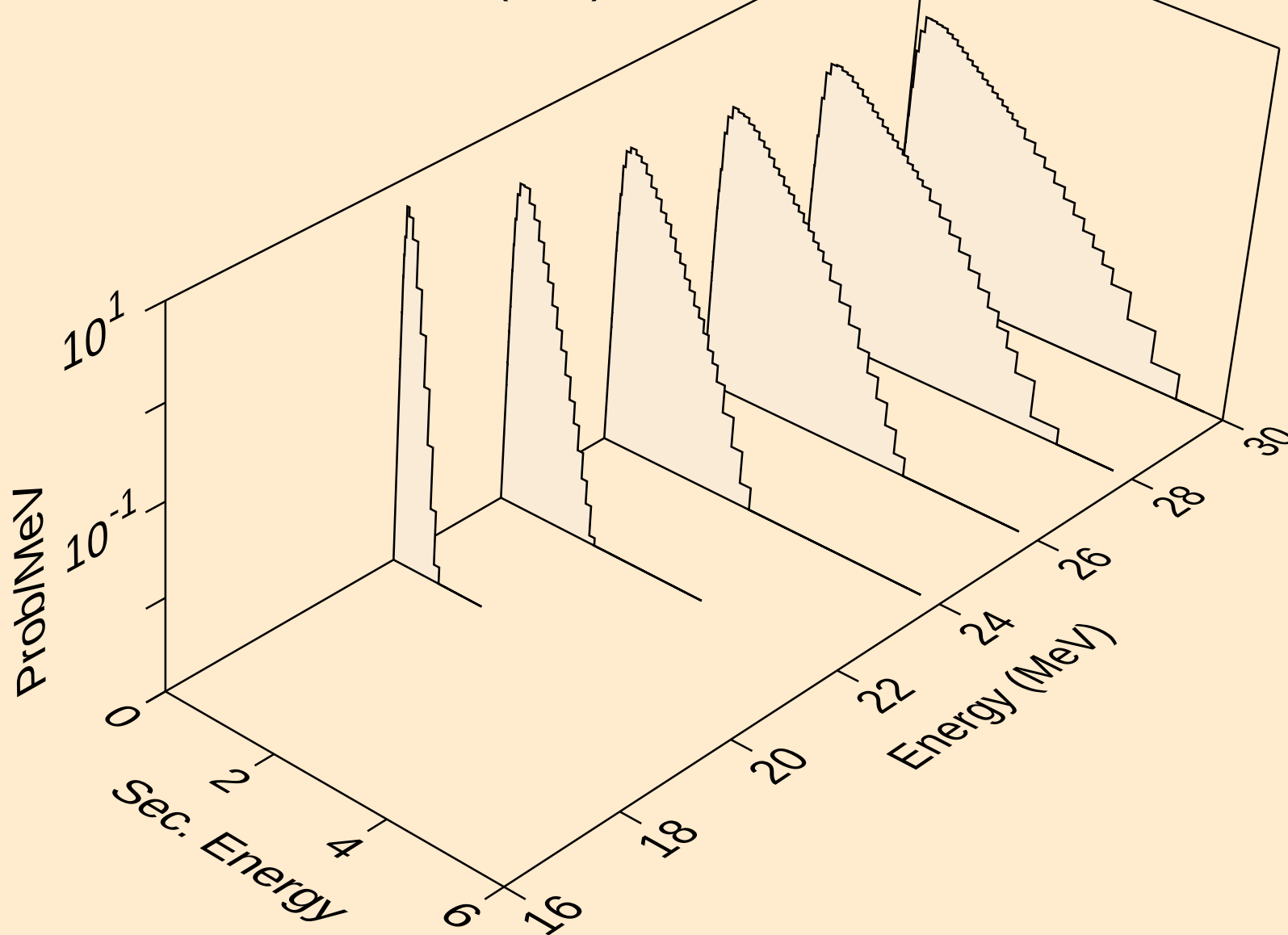
Neutron emission for (n,n\*)2a





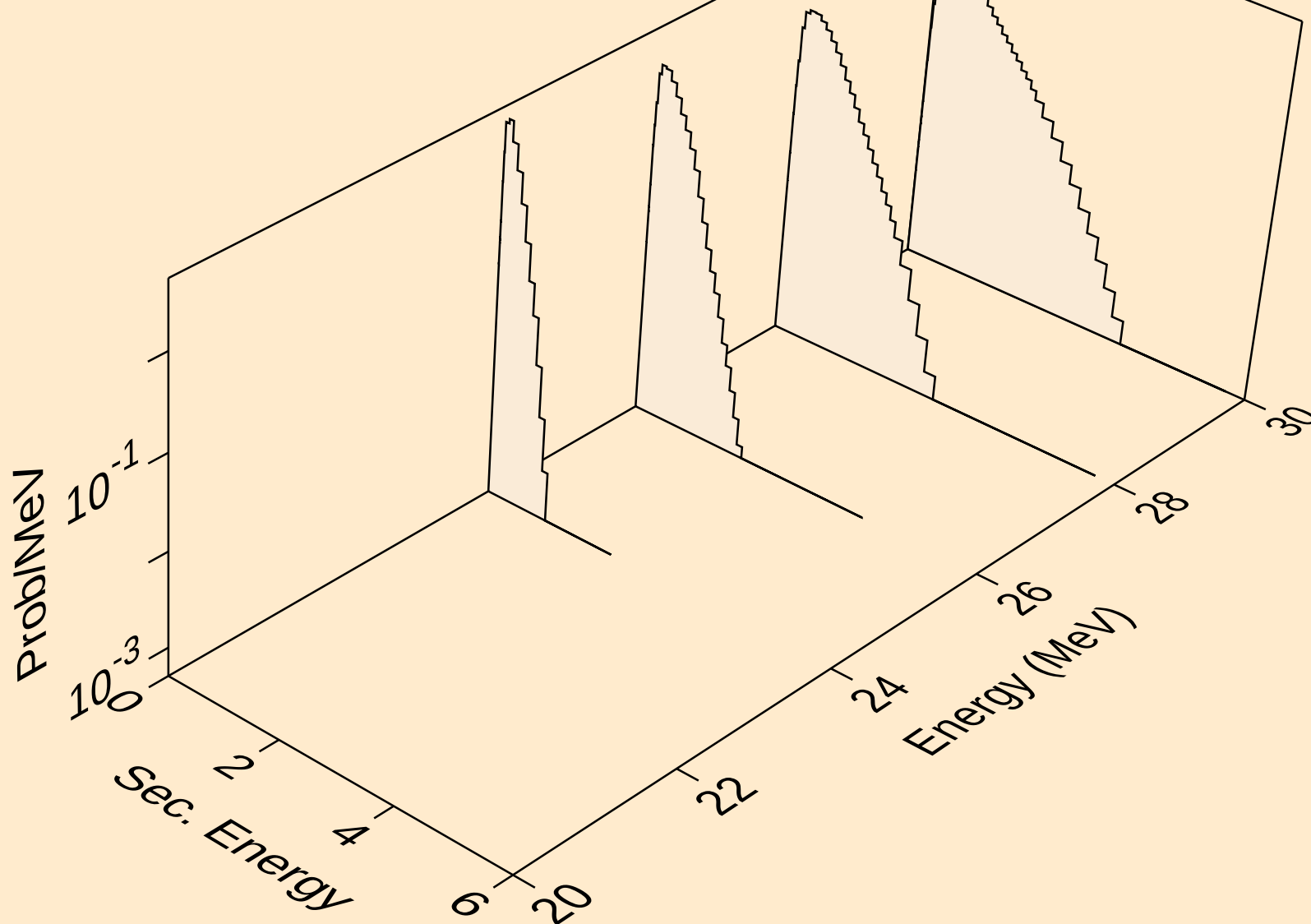
# ZR088 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

Neutron emission for (n,n\*)d



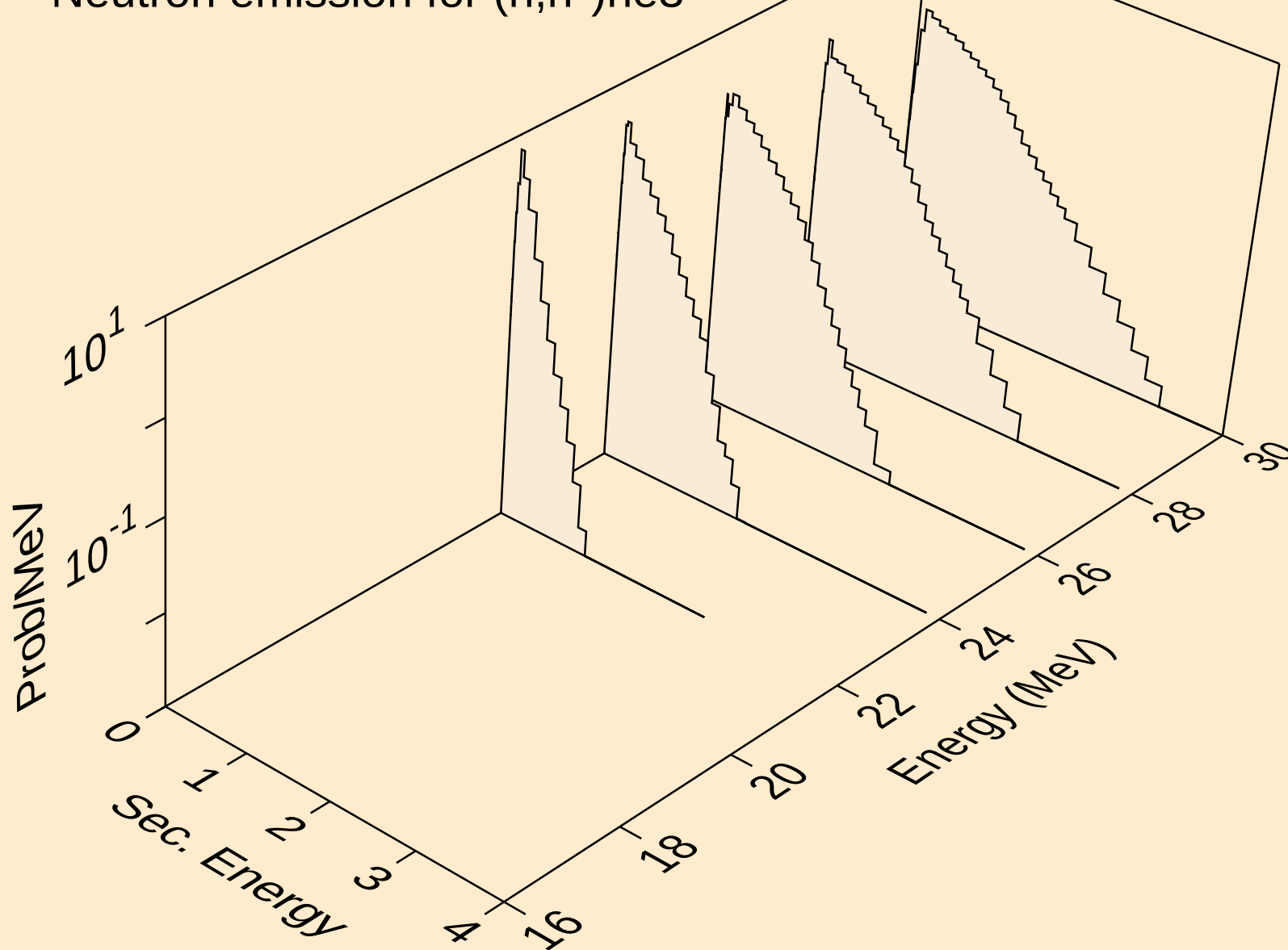
# ZR088 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

Neutron emission for (n,n\*)t

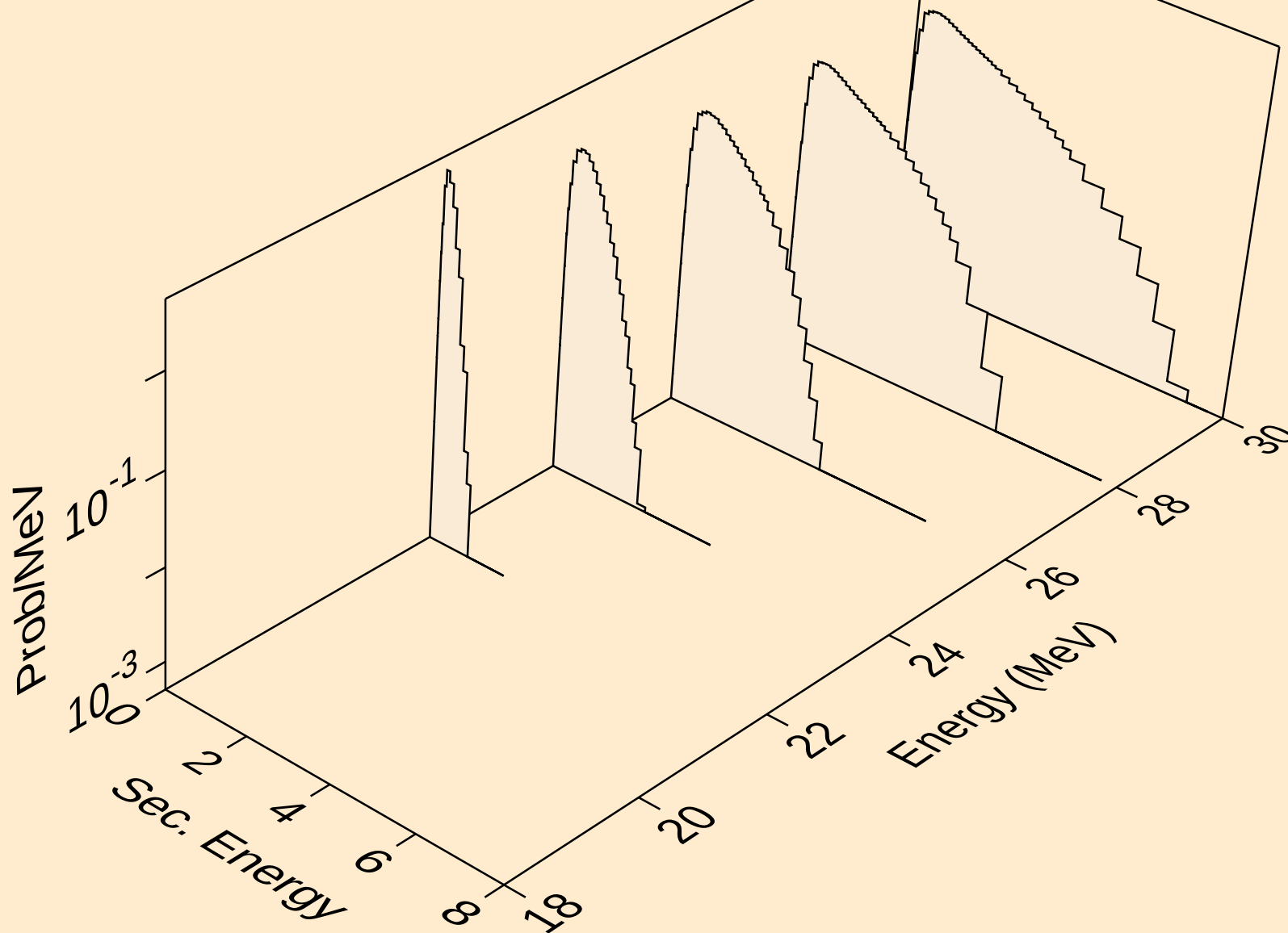


ZR088 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

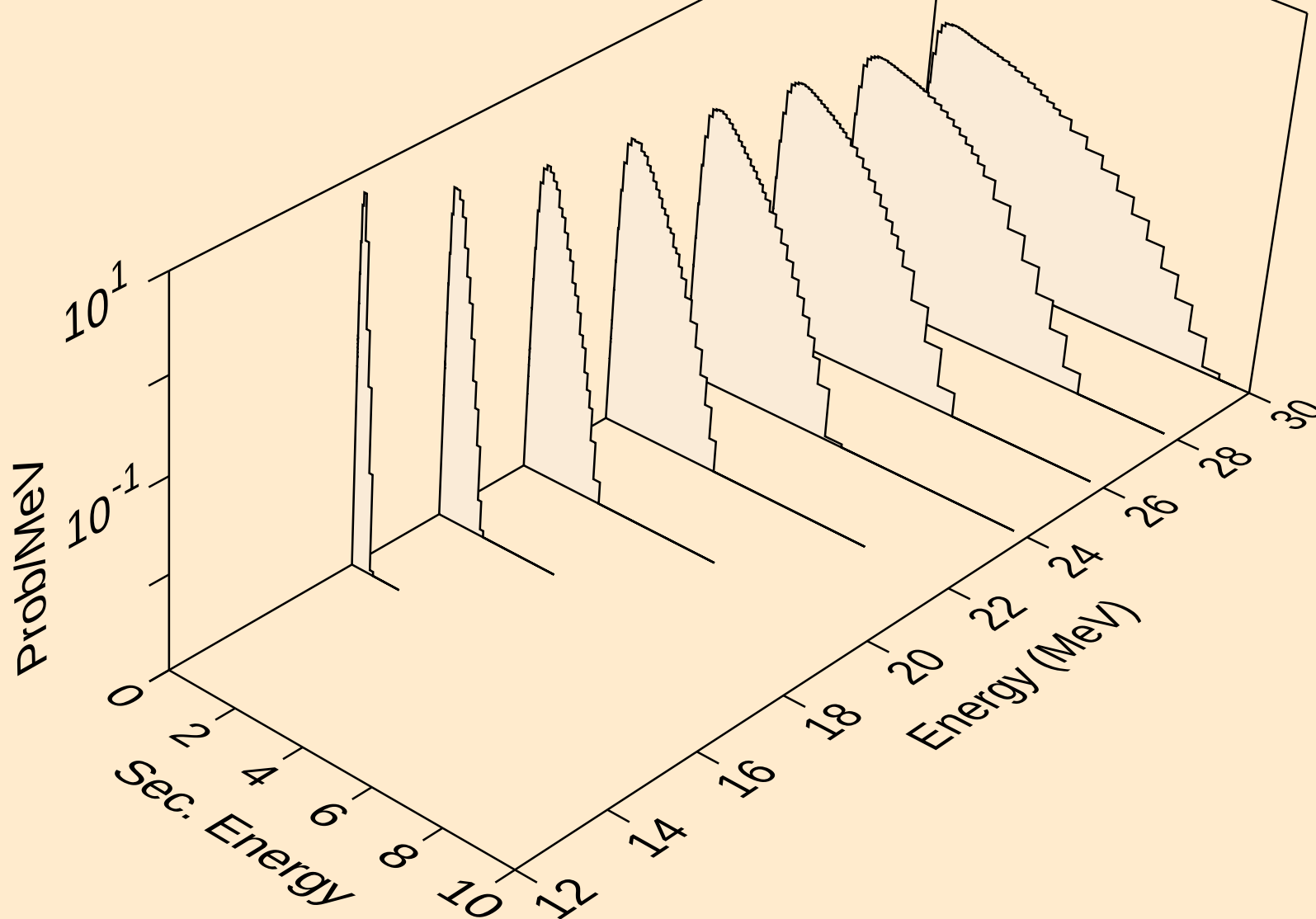
Neutron emission for (n,n\*)he3



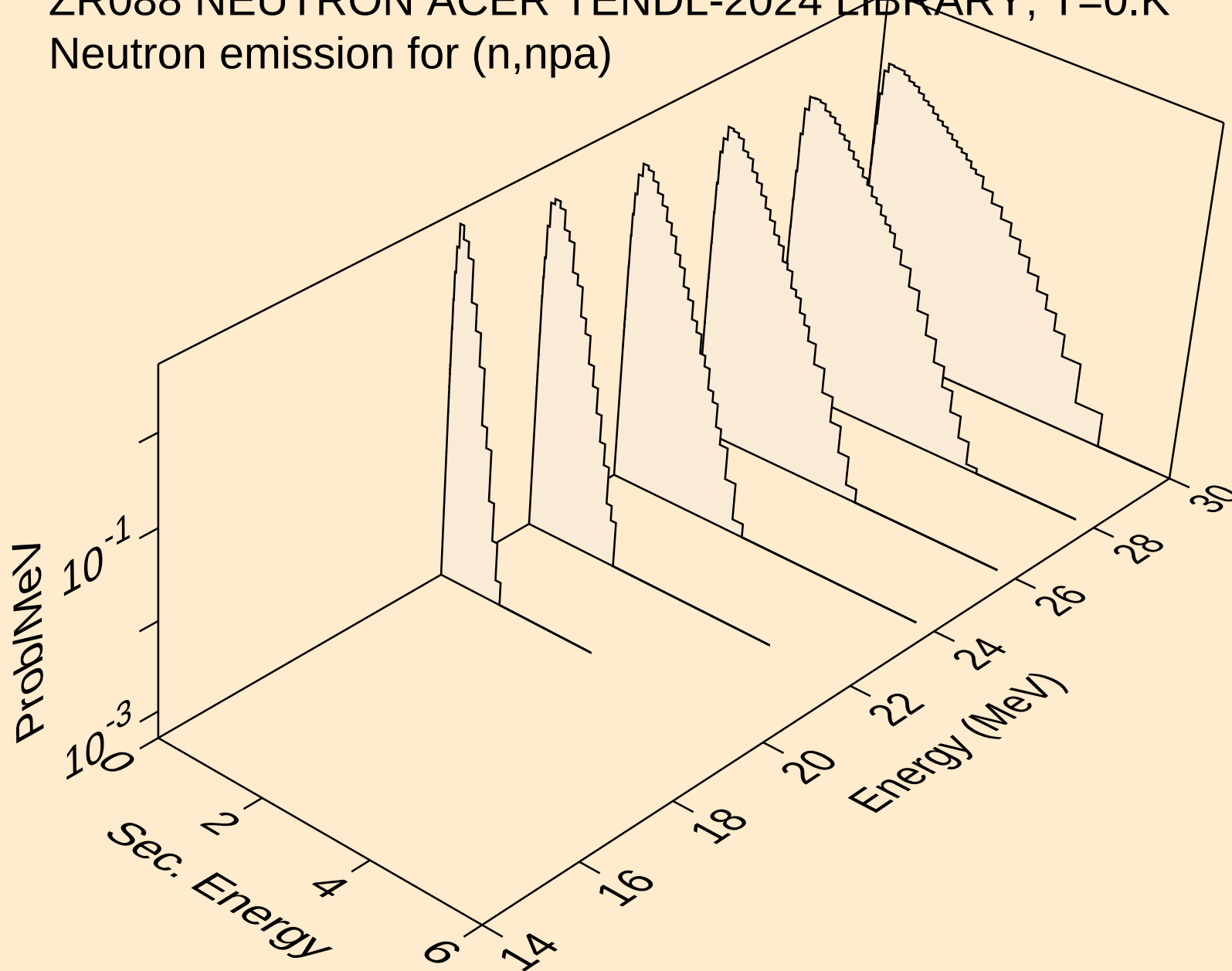
ZR088 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2np)



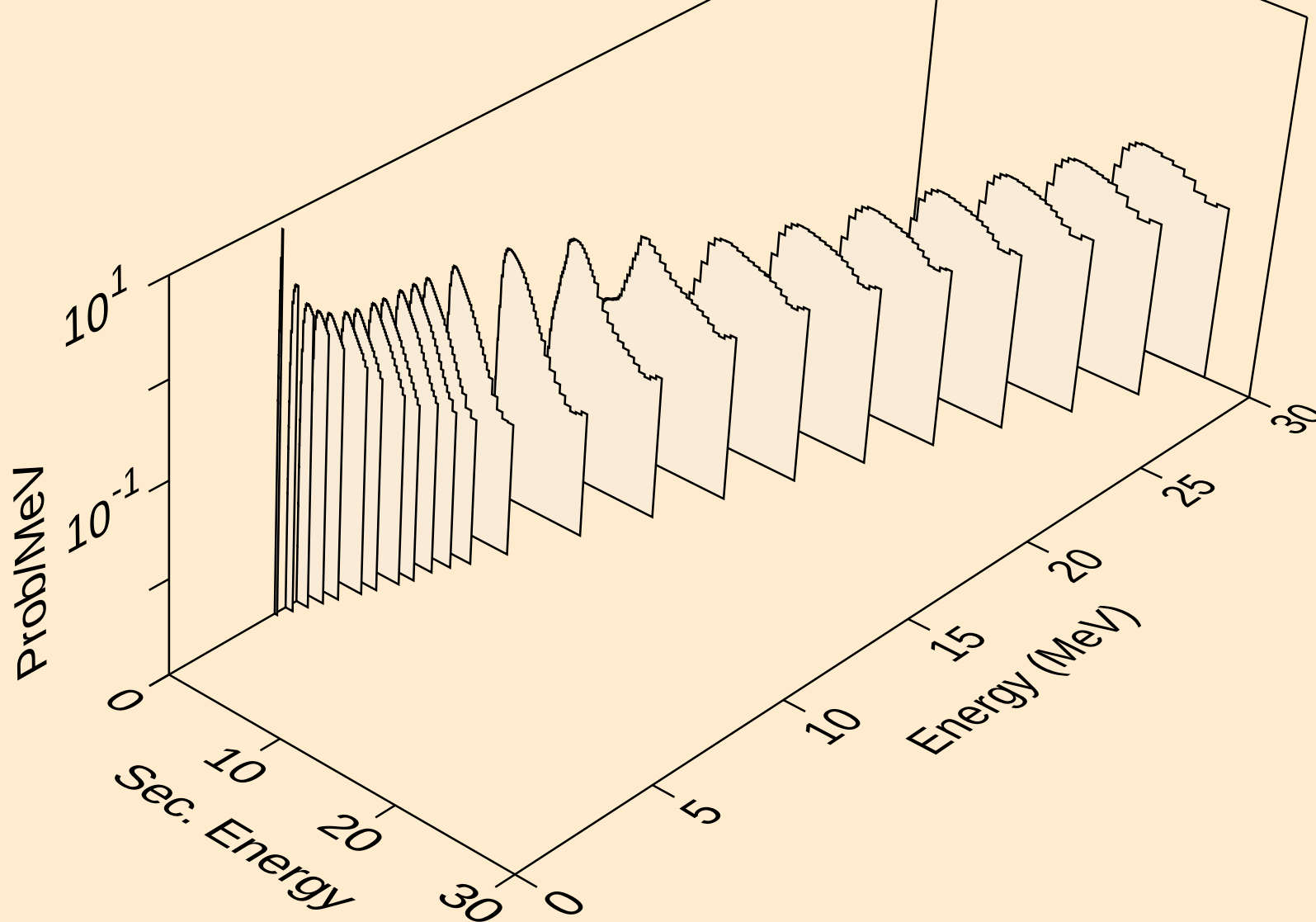
ZR088 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n2p)



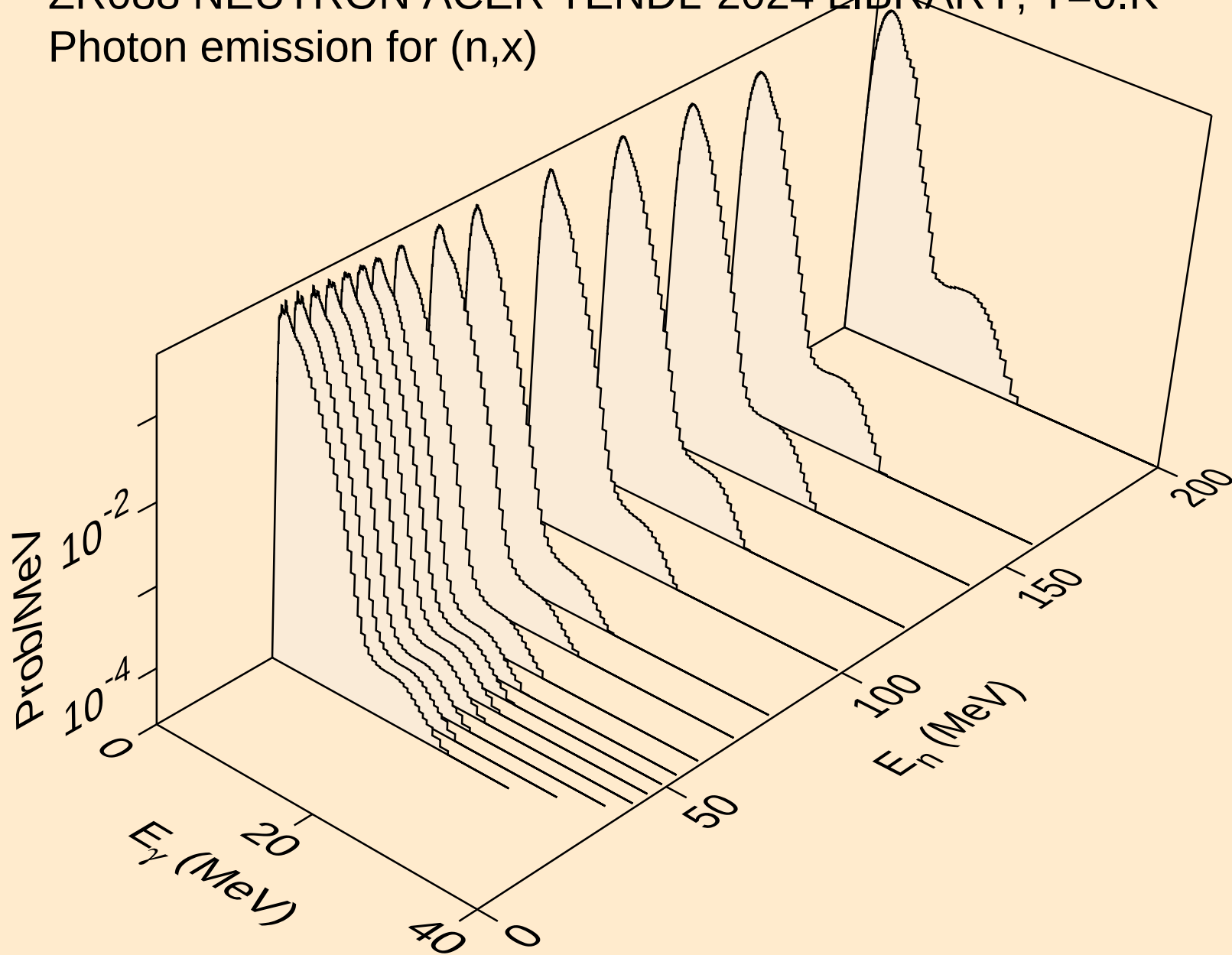
ZR088 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,npa)



ZR088 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)

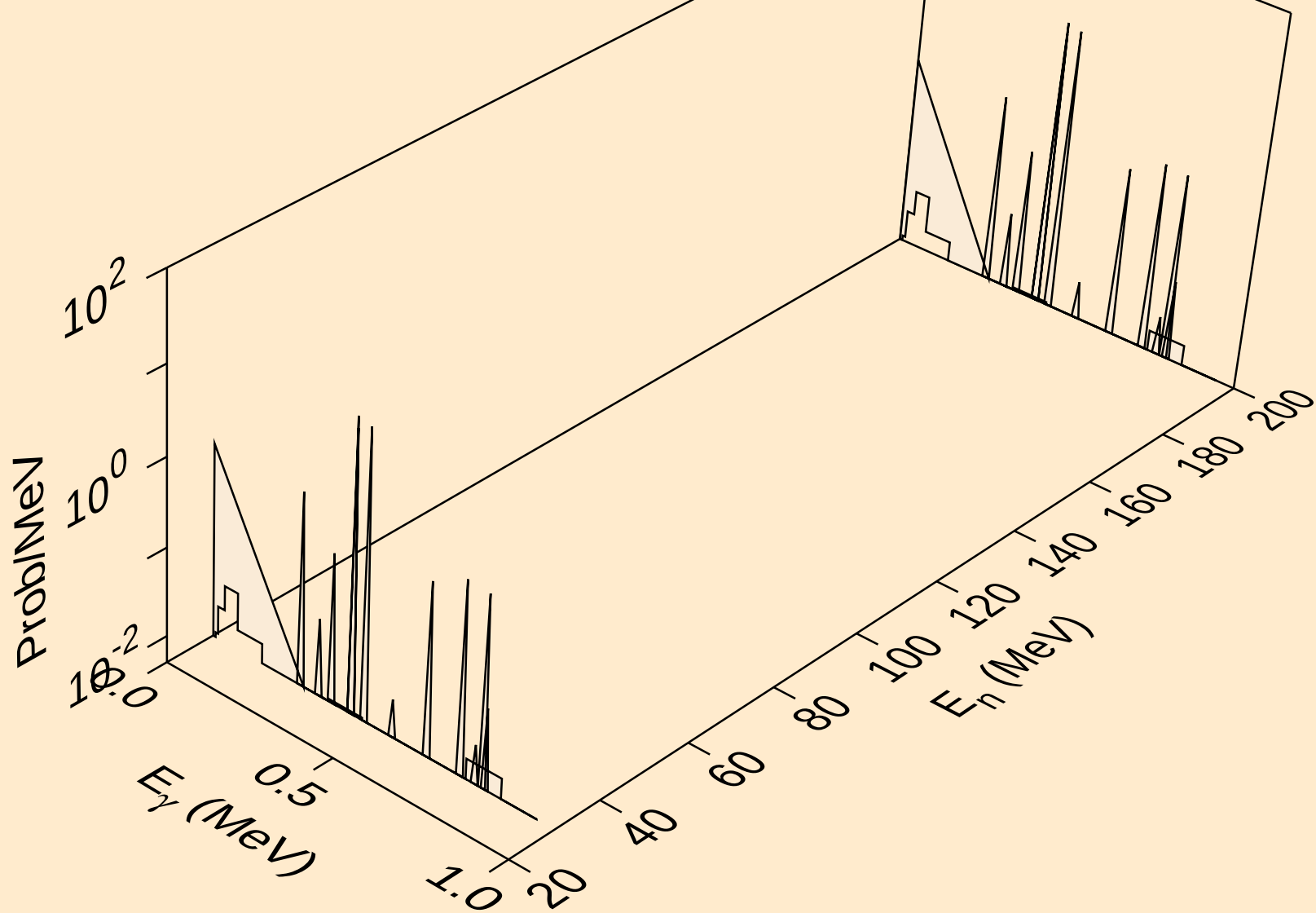


ZR088 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,x)

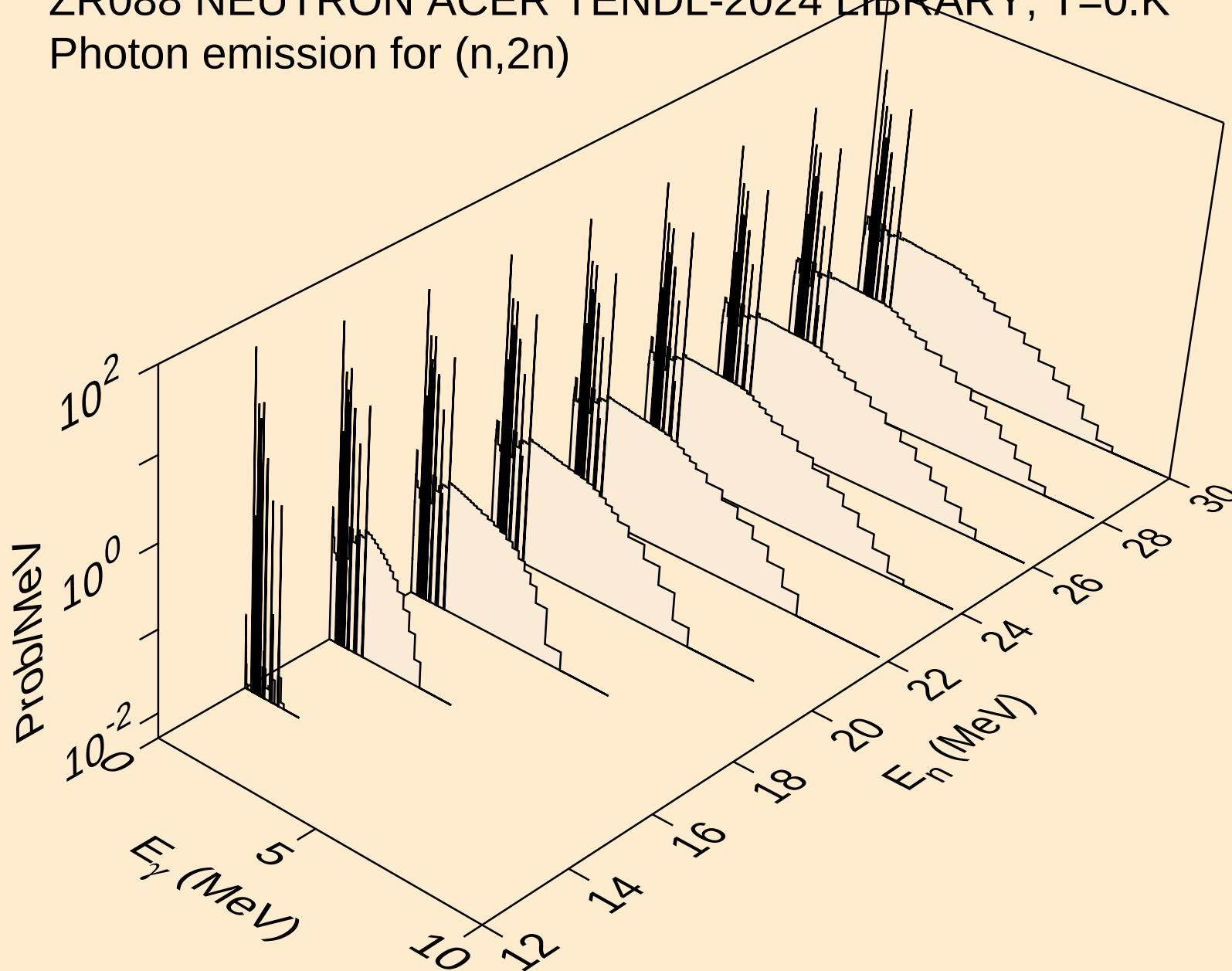




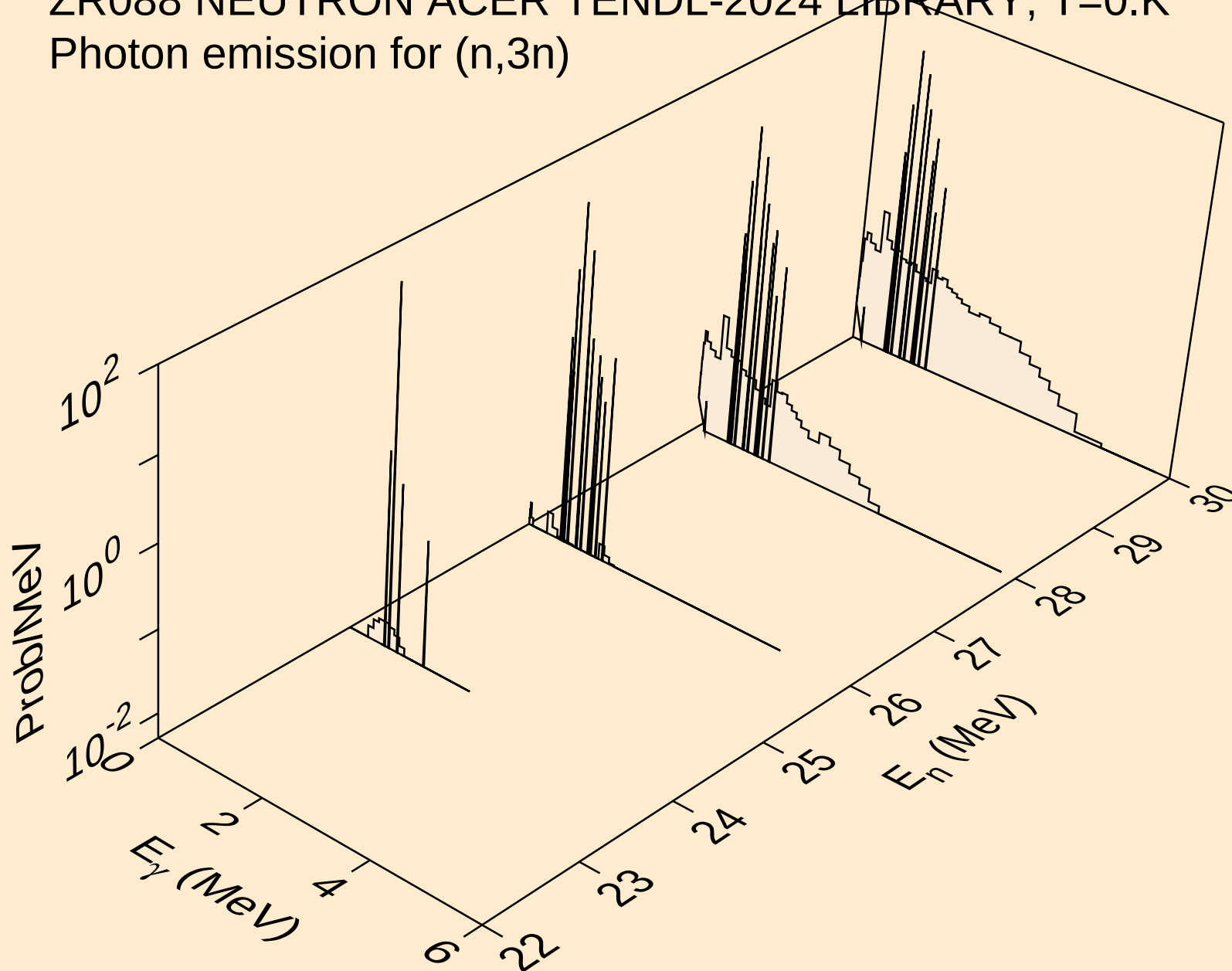
ZR088 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2nd)



ZR088 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)

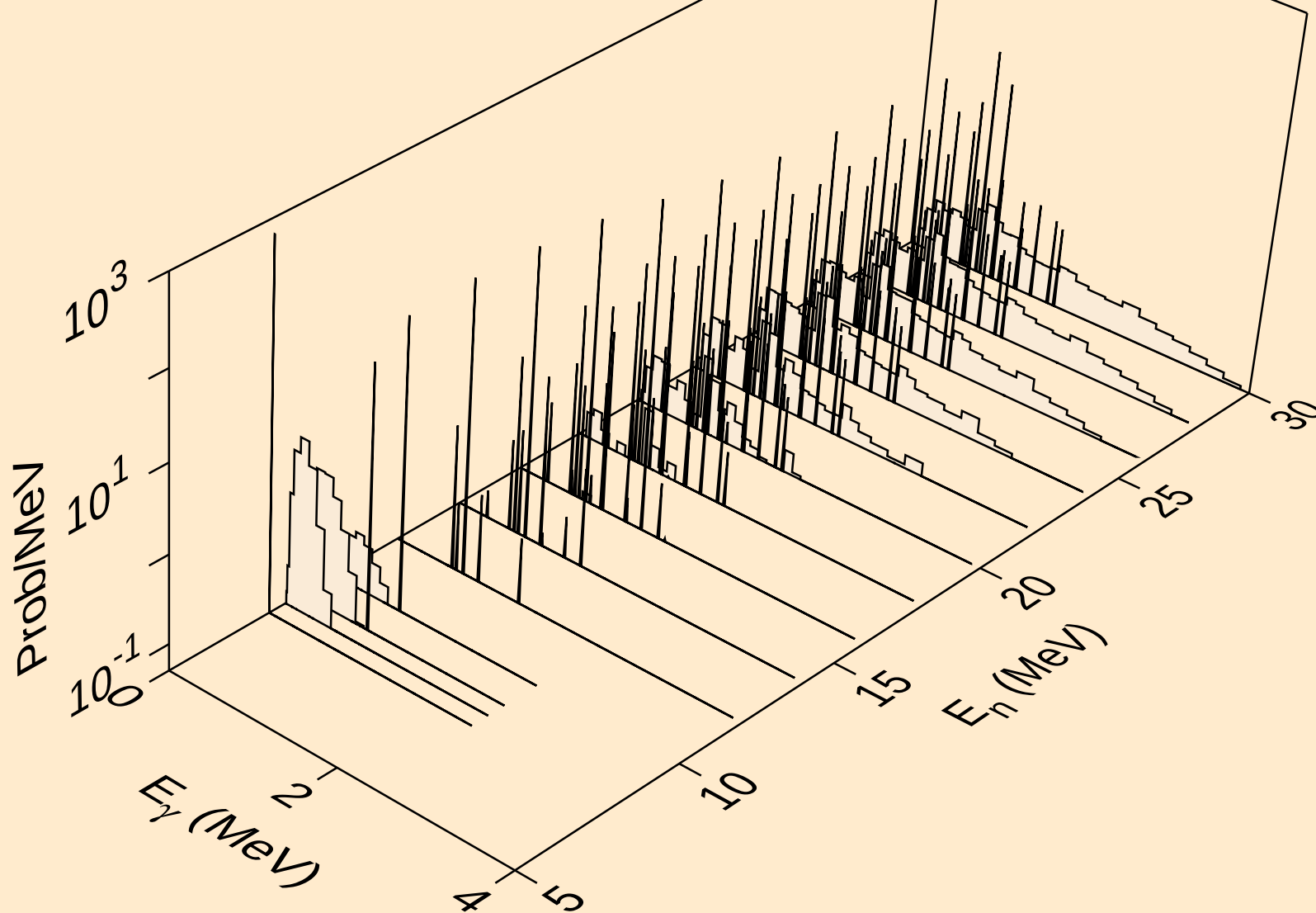


ZR088 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)



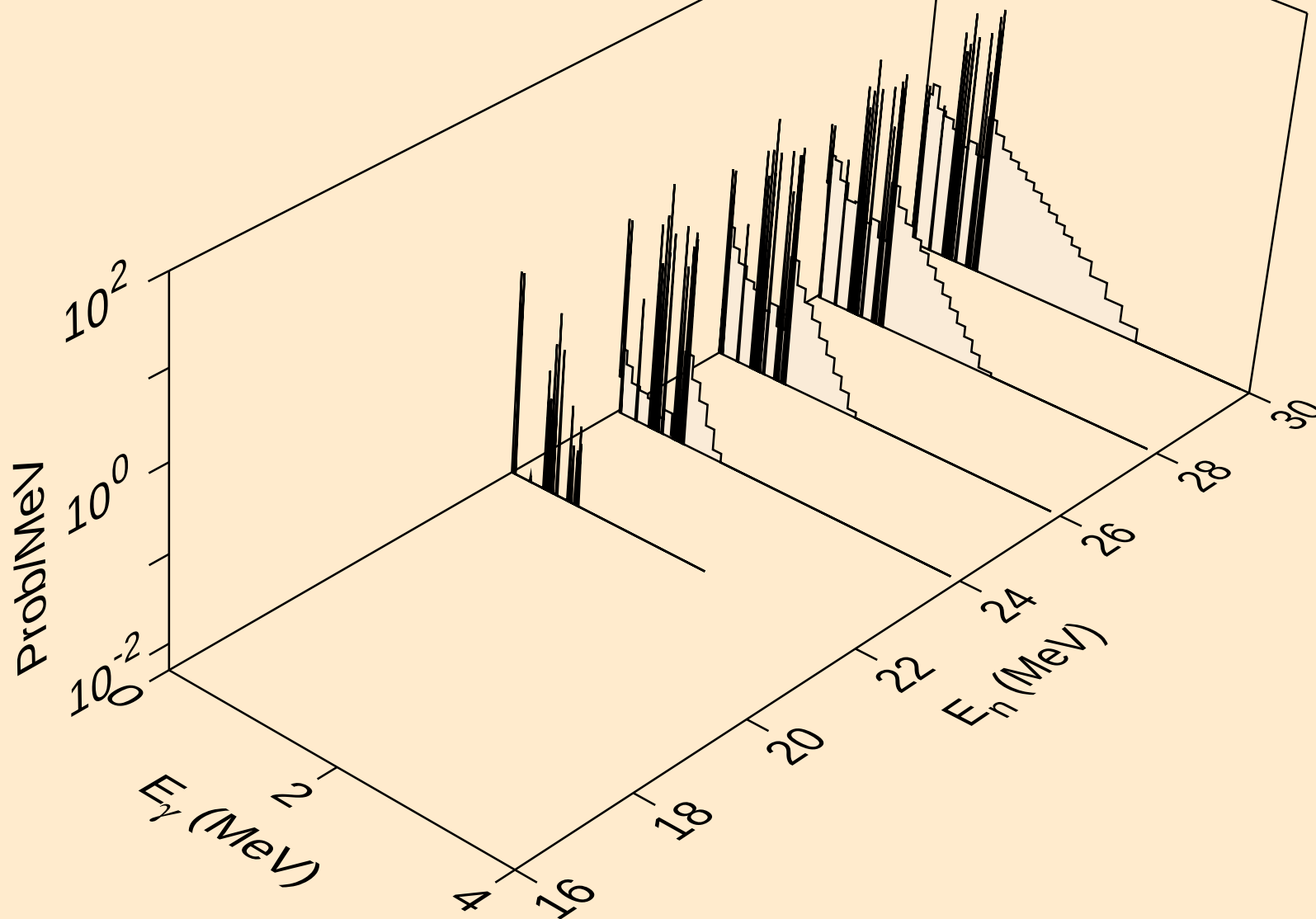
# ZR088 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,n\*)a



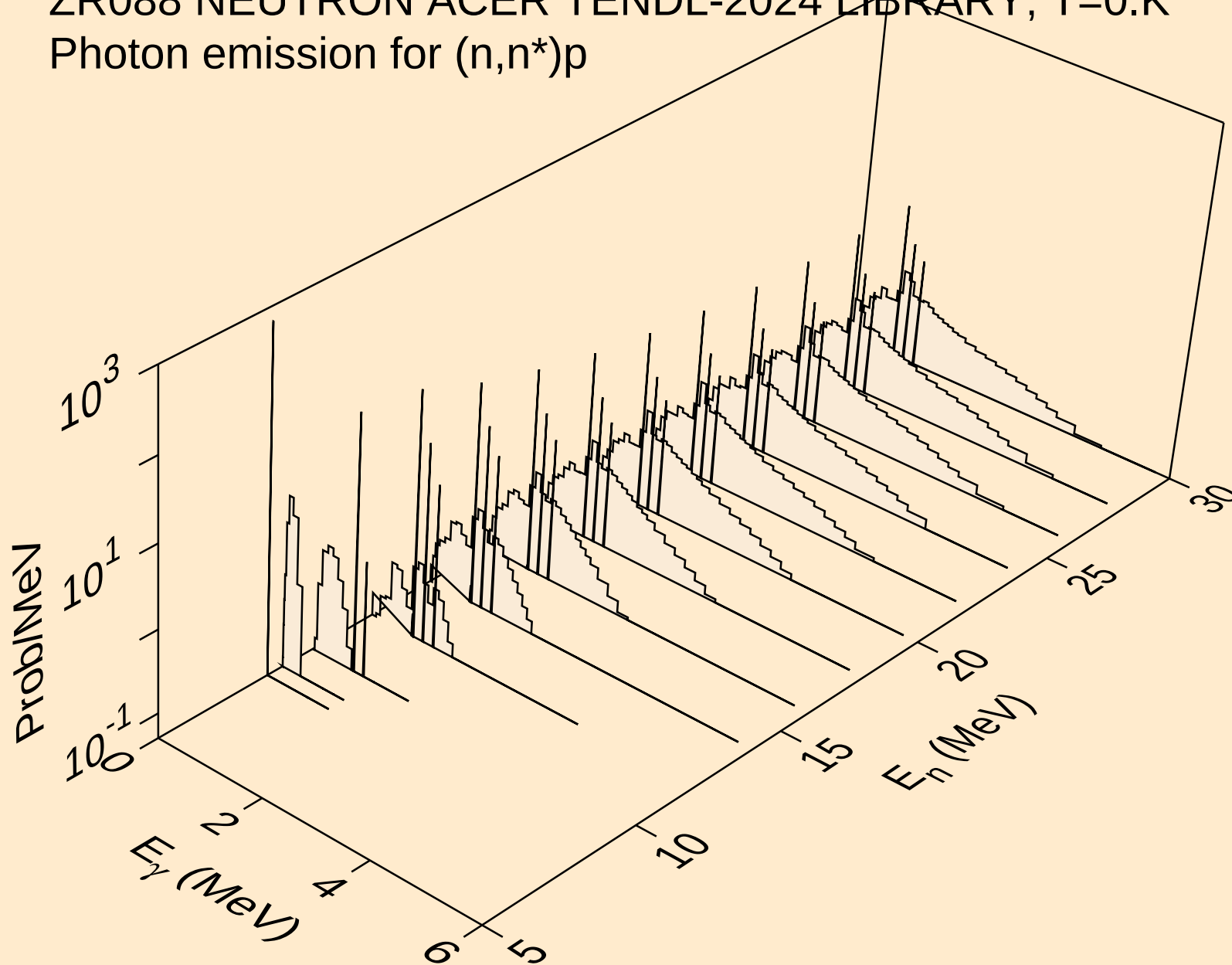
# ZR088 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,2n) $\alpha$



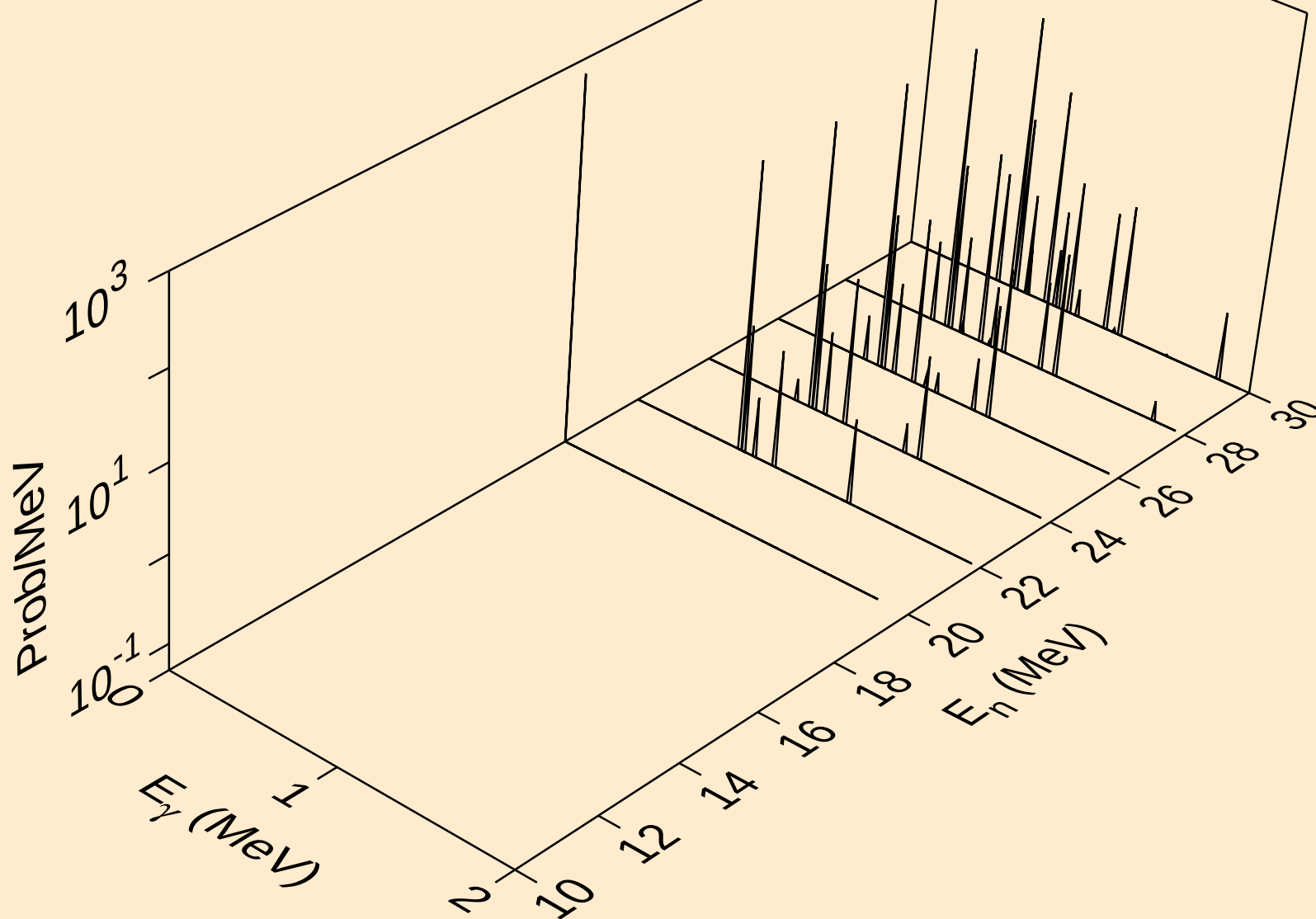
# ZR088 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,n\*)p



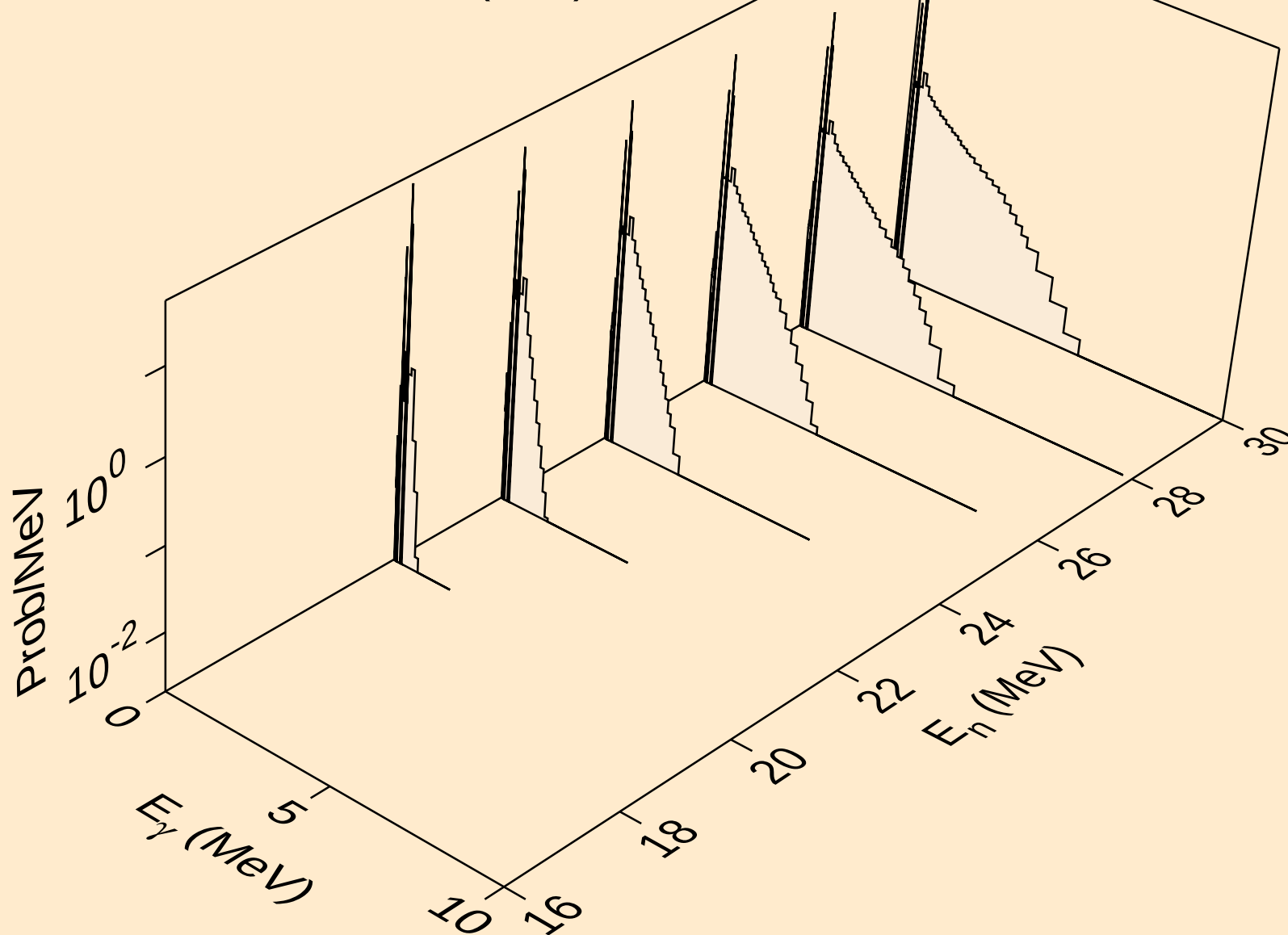
ZR088 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

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



# ZR088 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

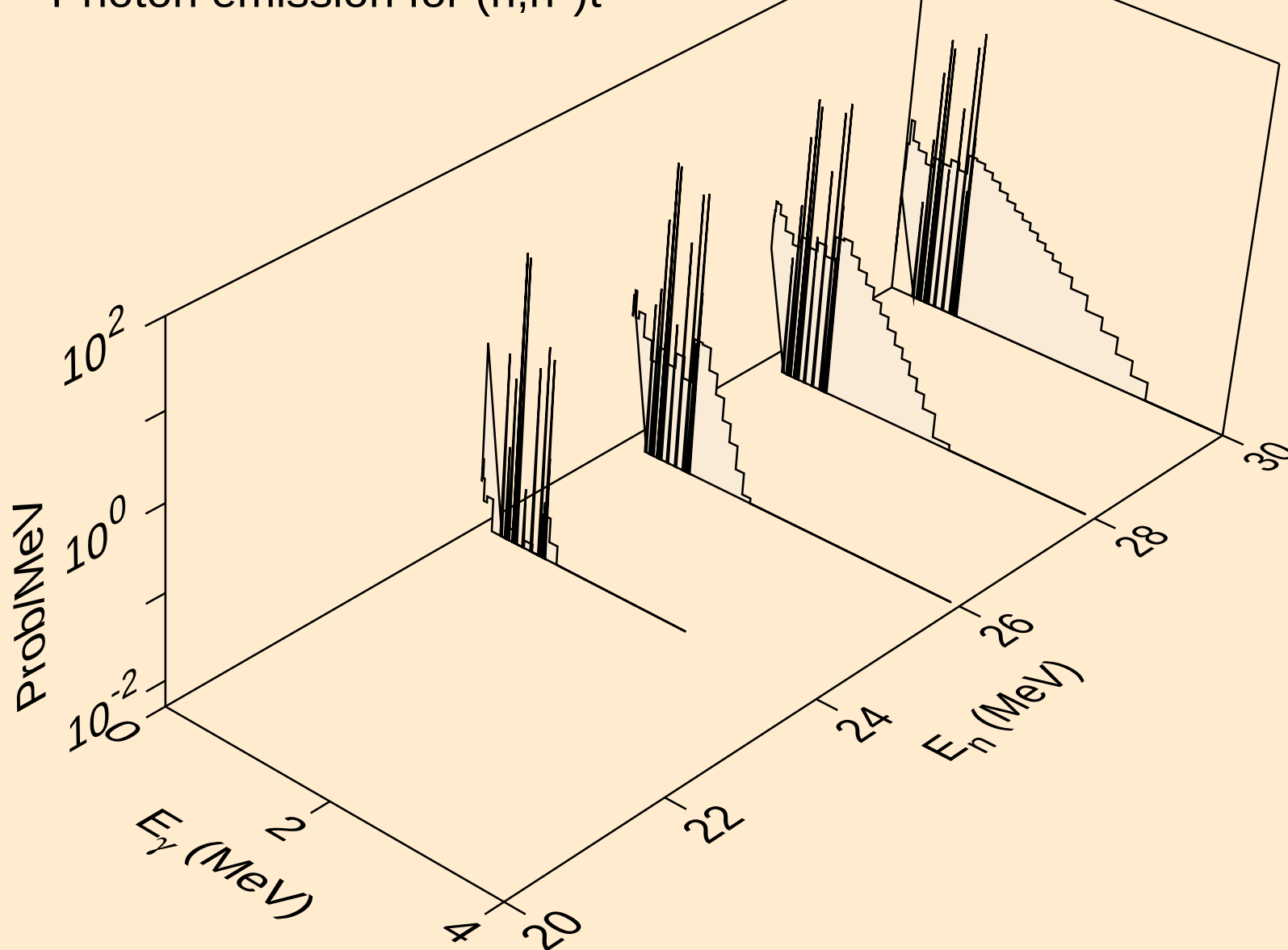
Photon emission for (n,n\*)d





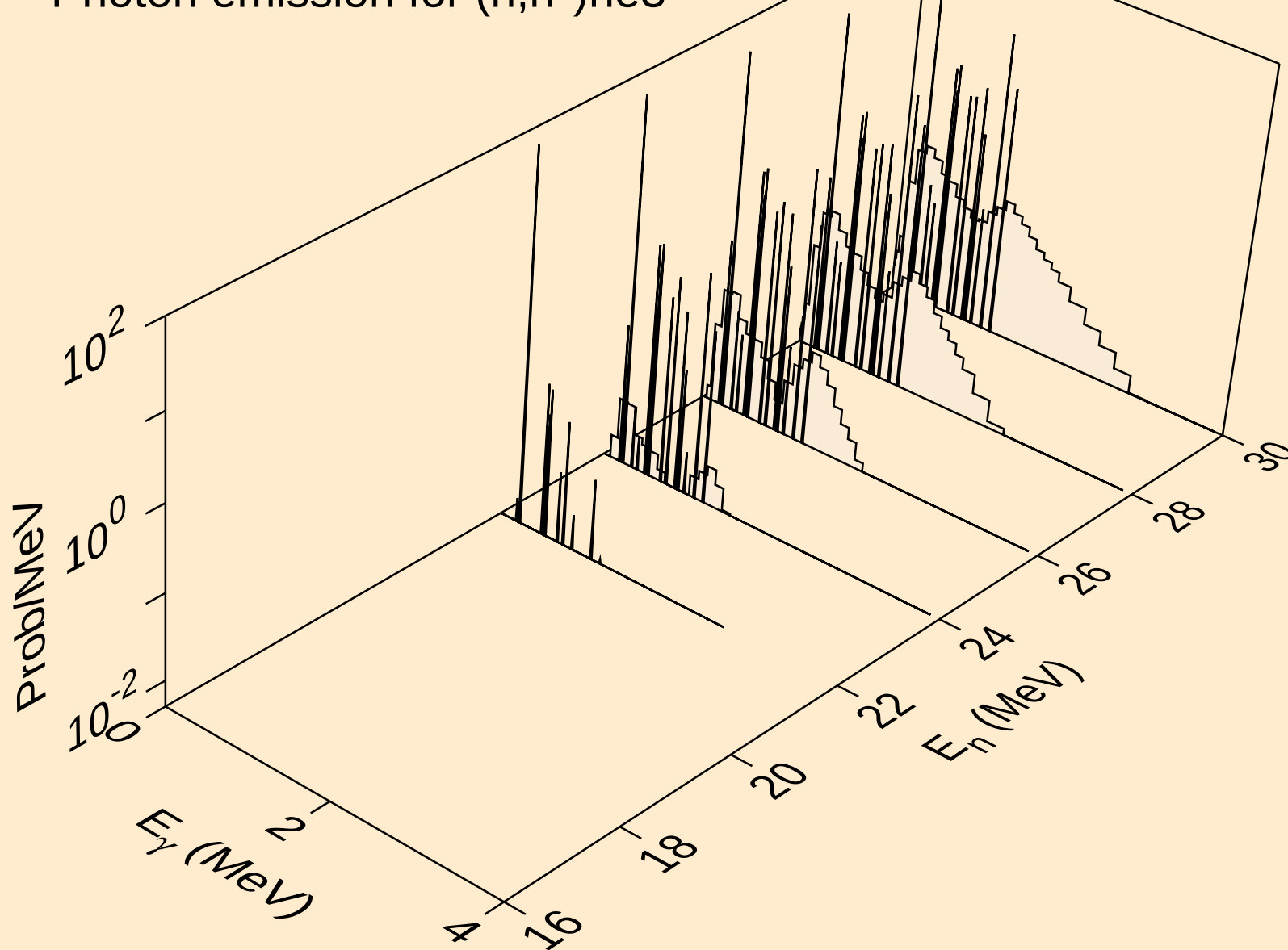
# ZR088 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,n\*)t

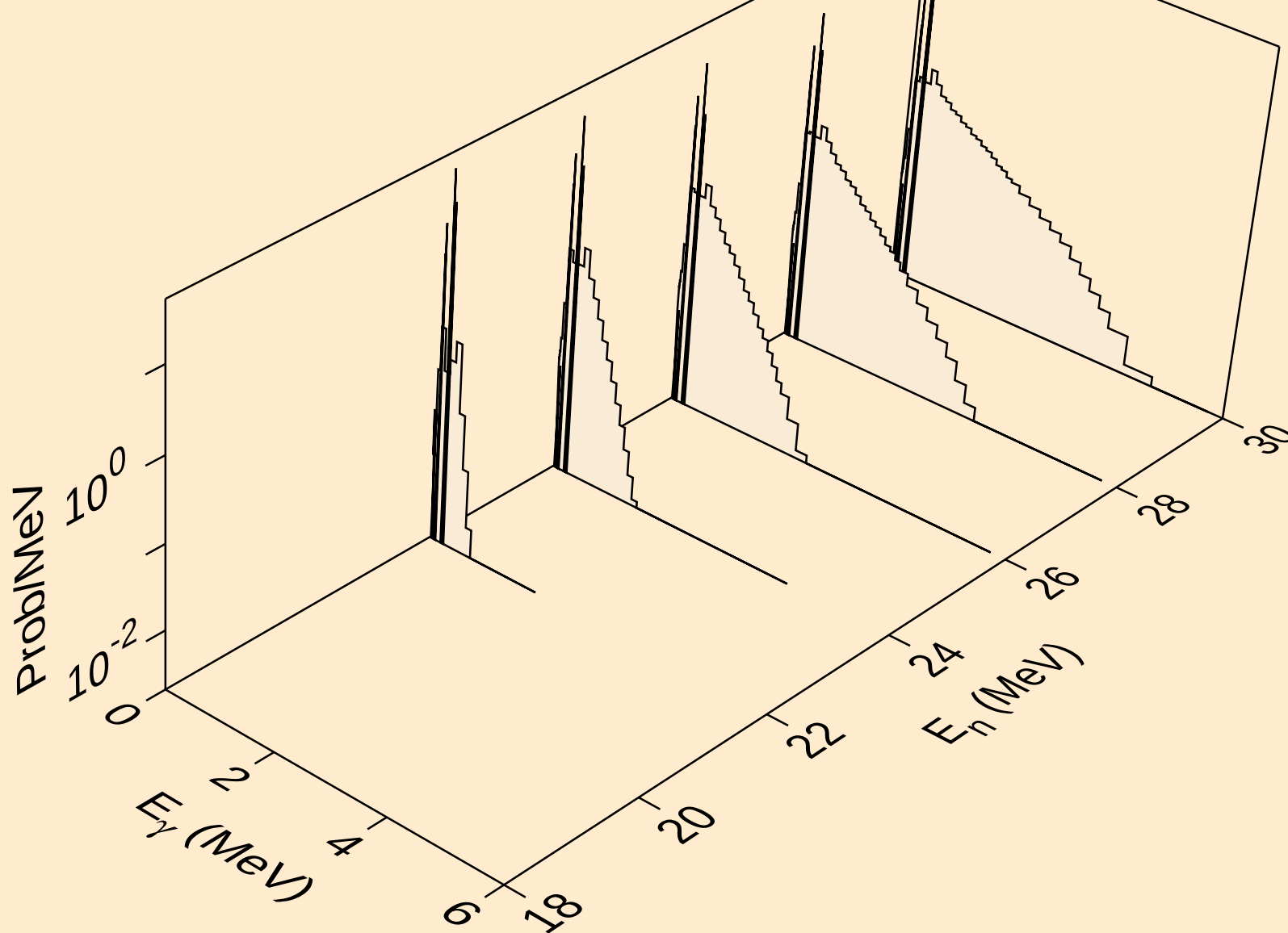


ZR088 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

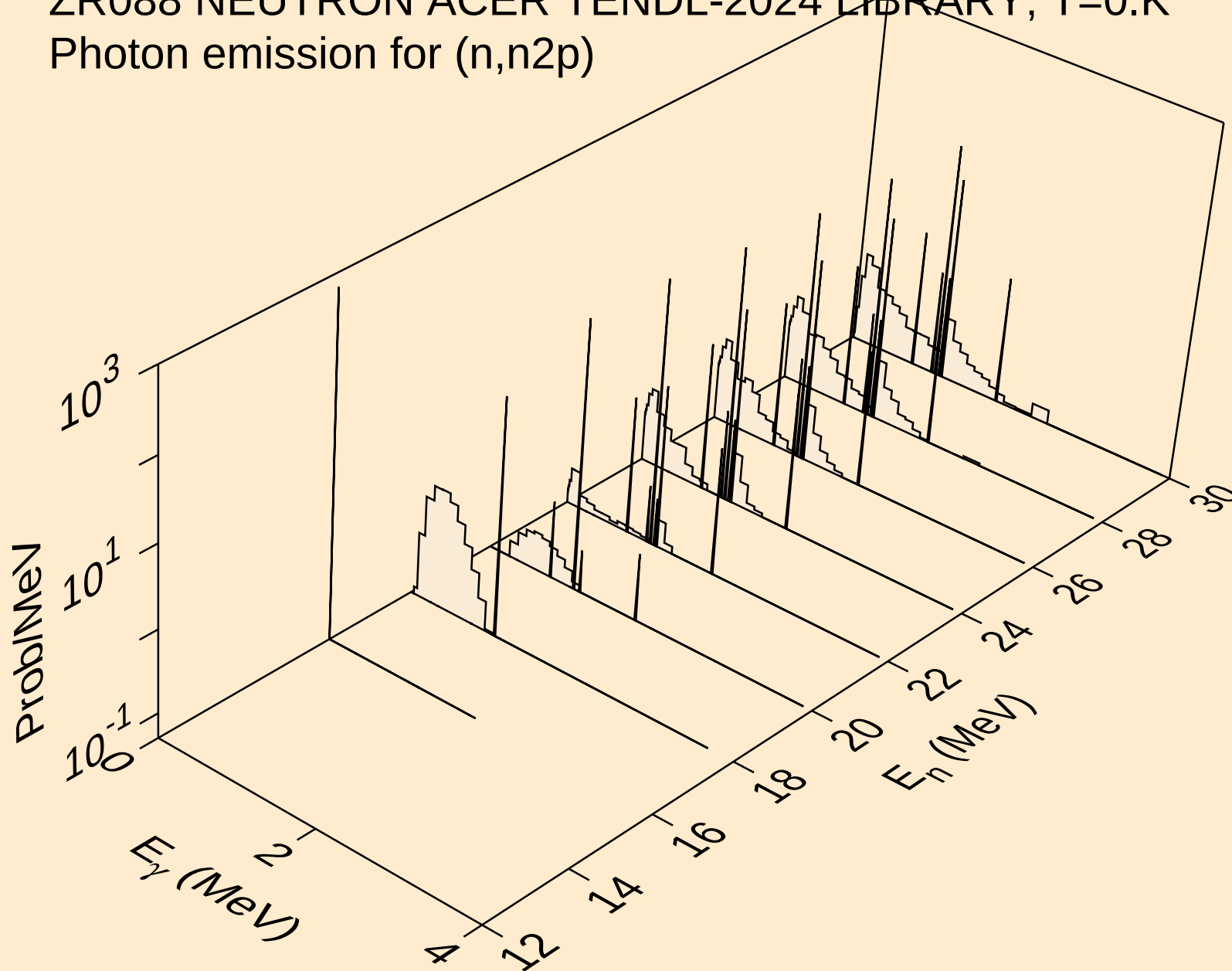
Photon emission for (n,n\*)he3



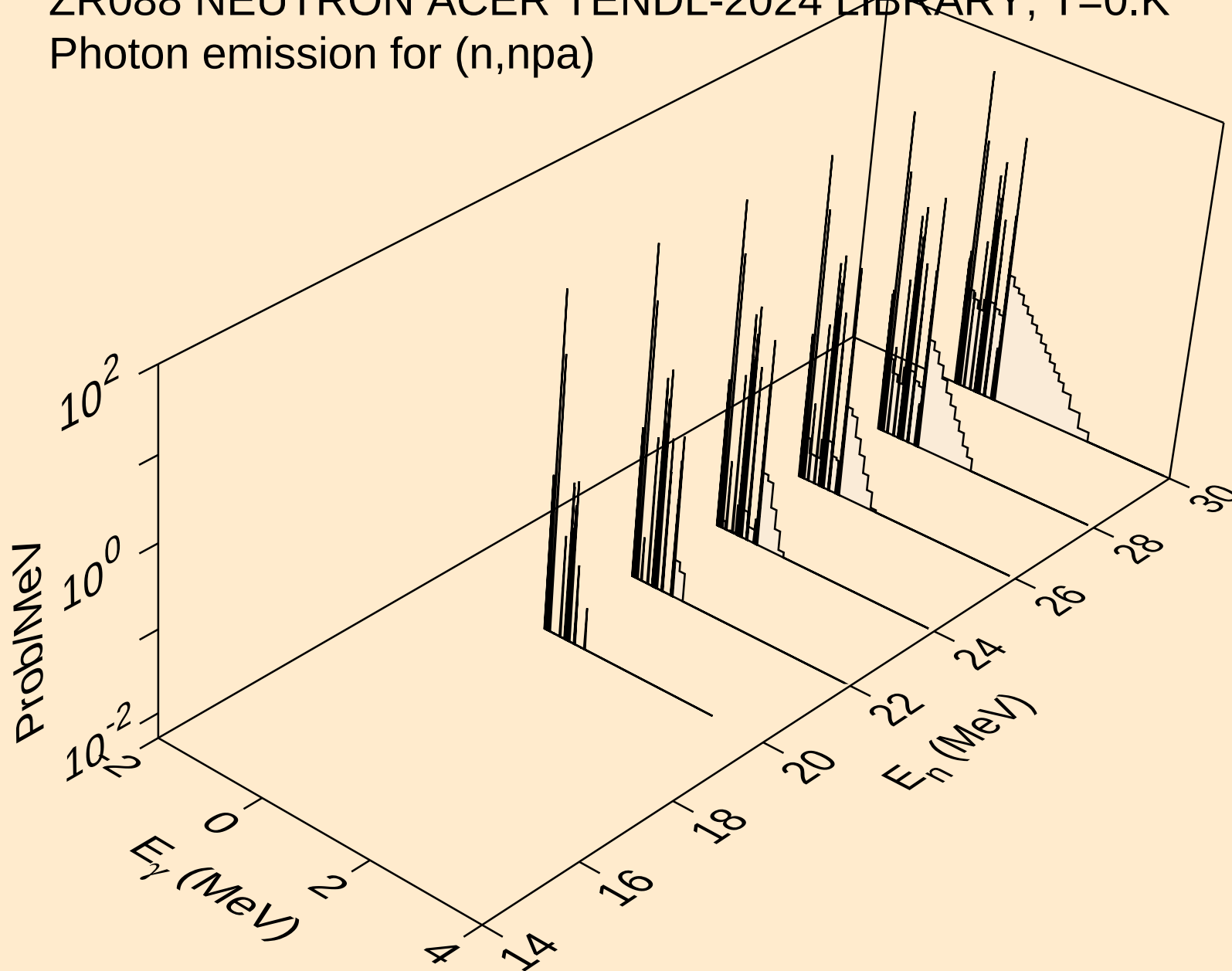
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Photon emission for (n,2np)



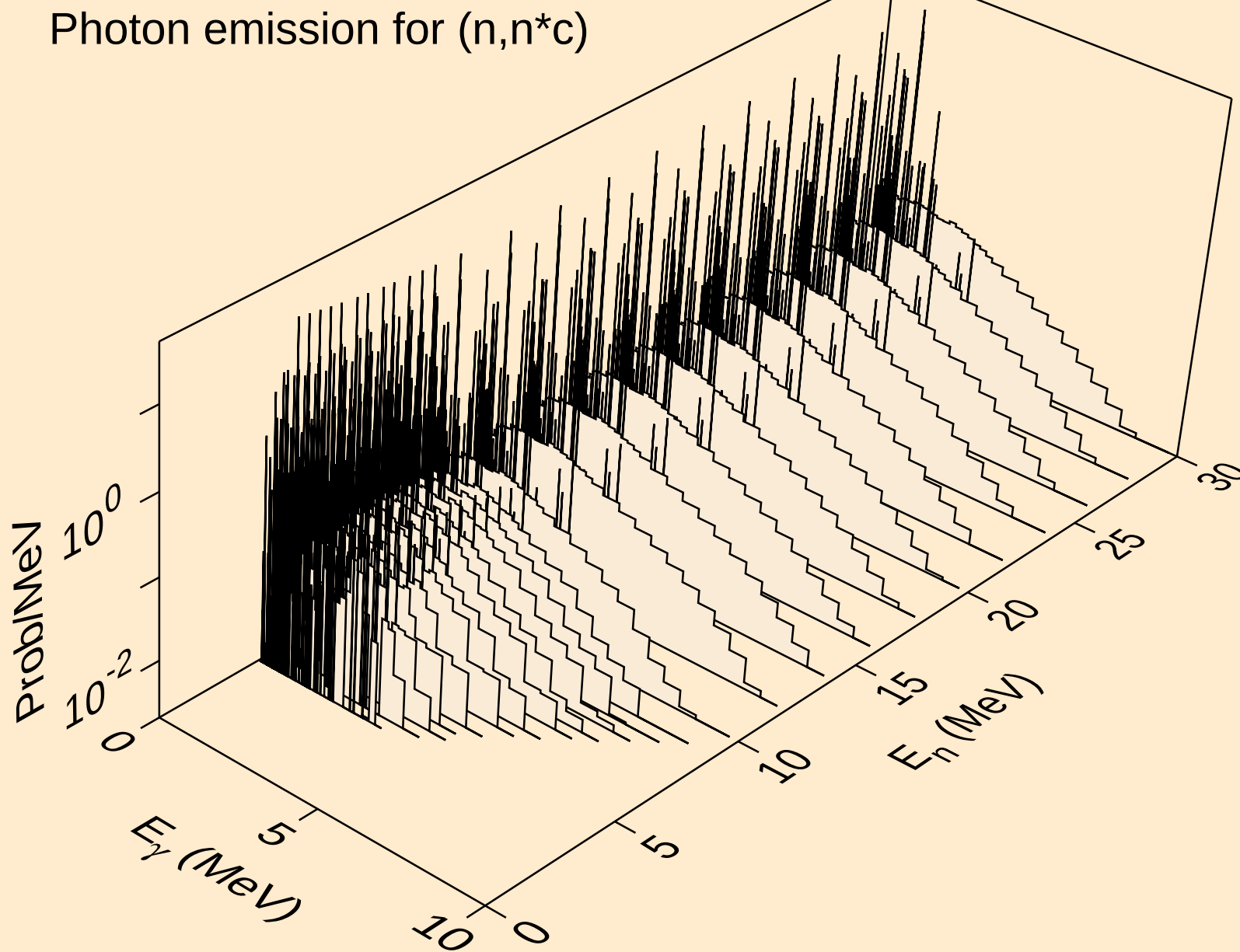
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Photon emission for (n,n2p)



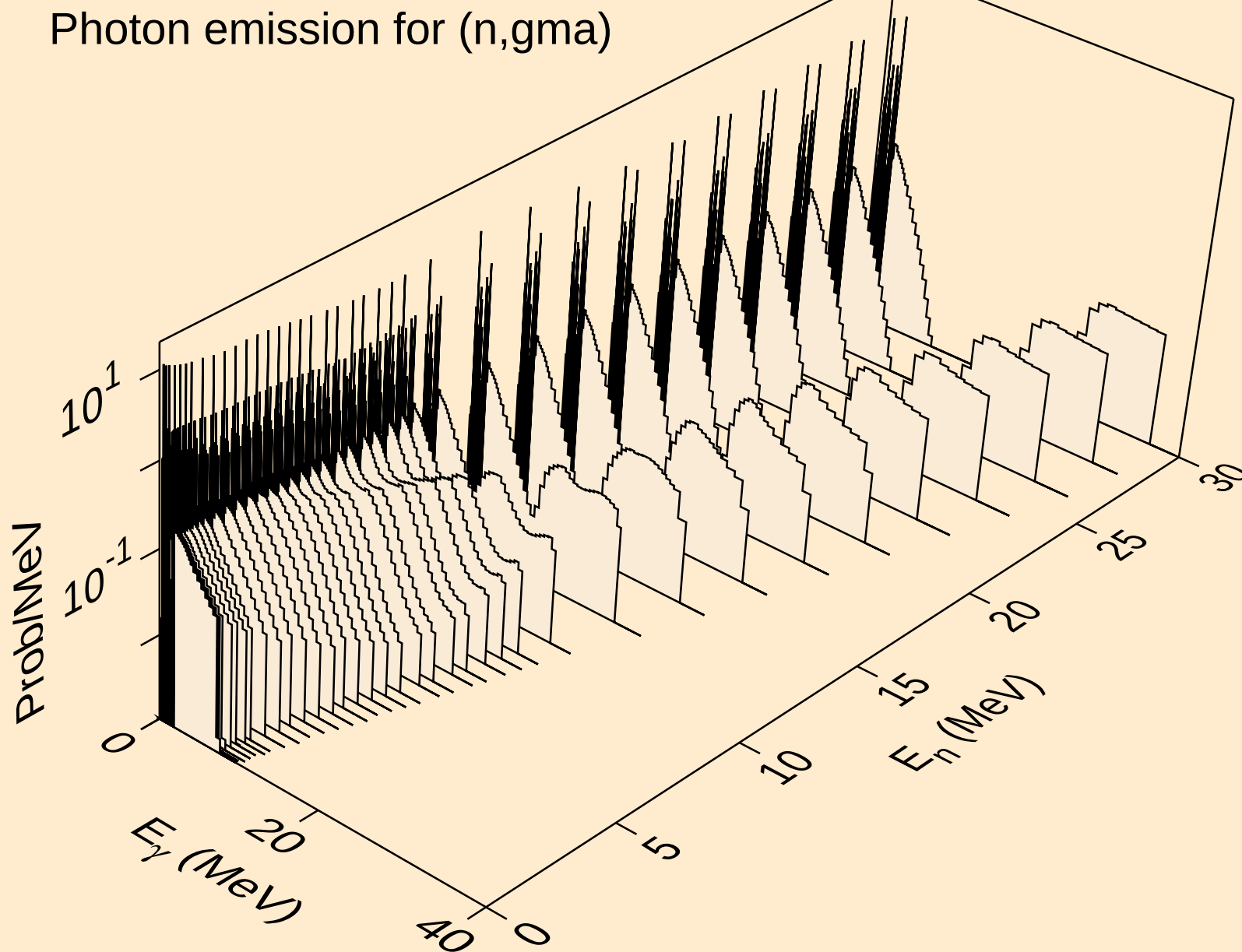
ZR088 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,npa)



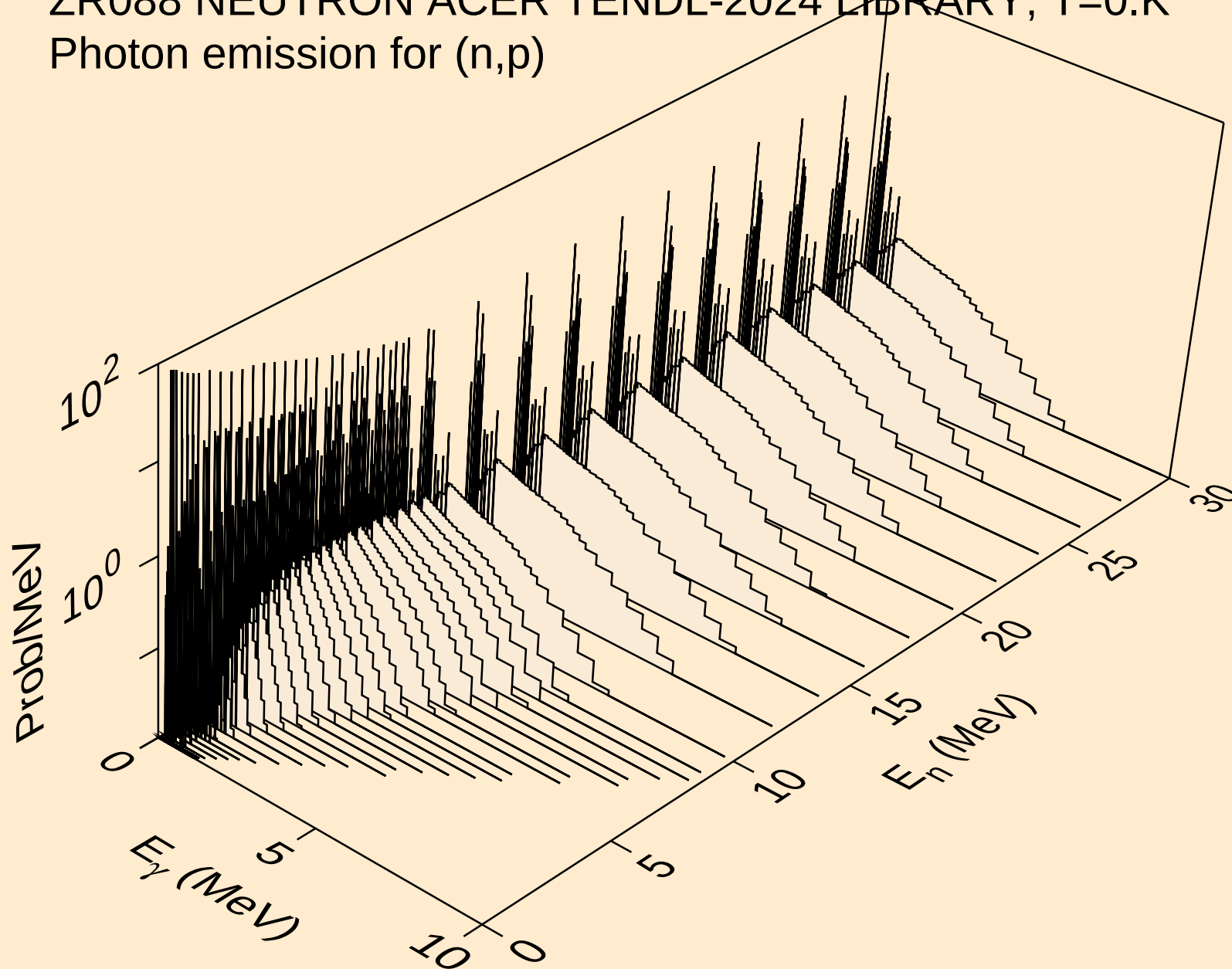
ZR088 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*c)



ZR088 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,gma)

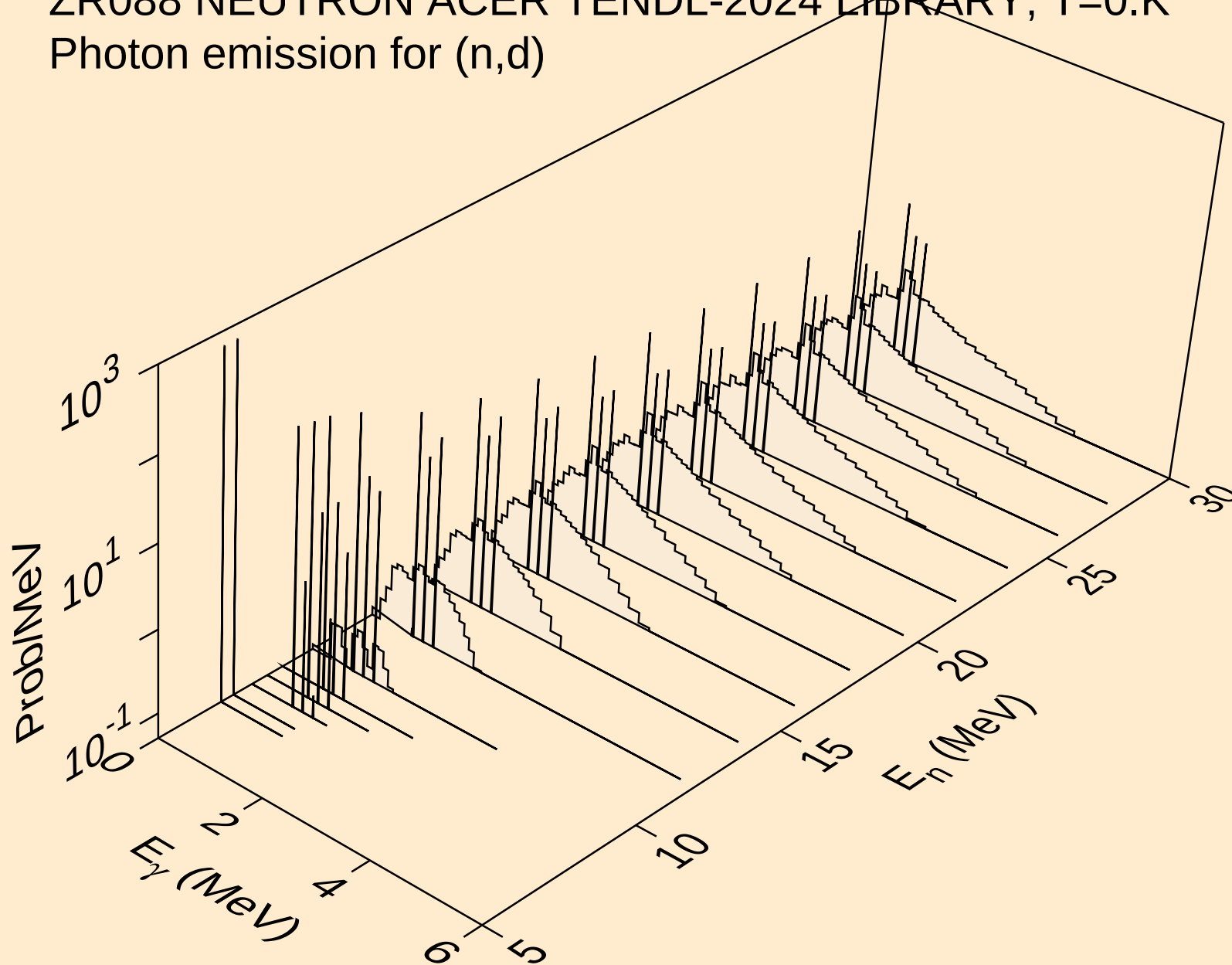


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Photon emission for (n,p)



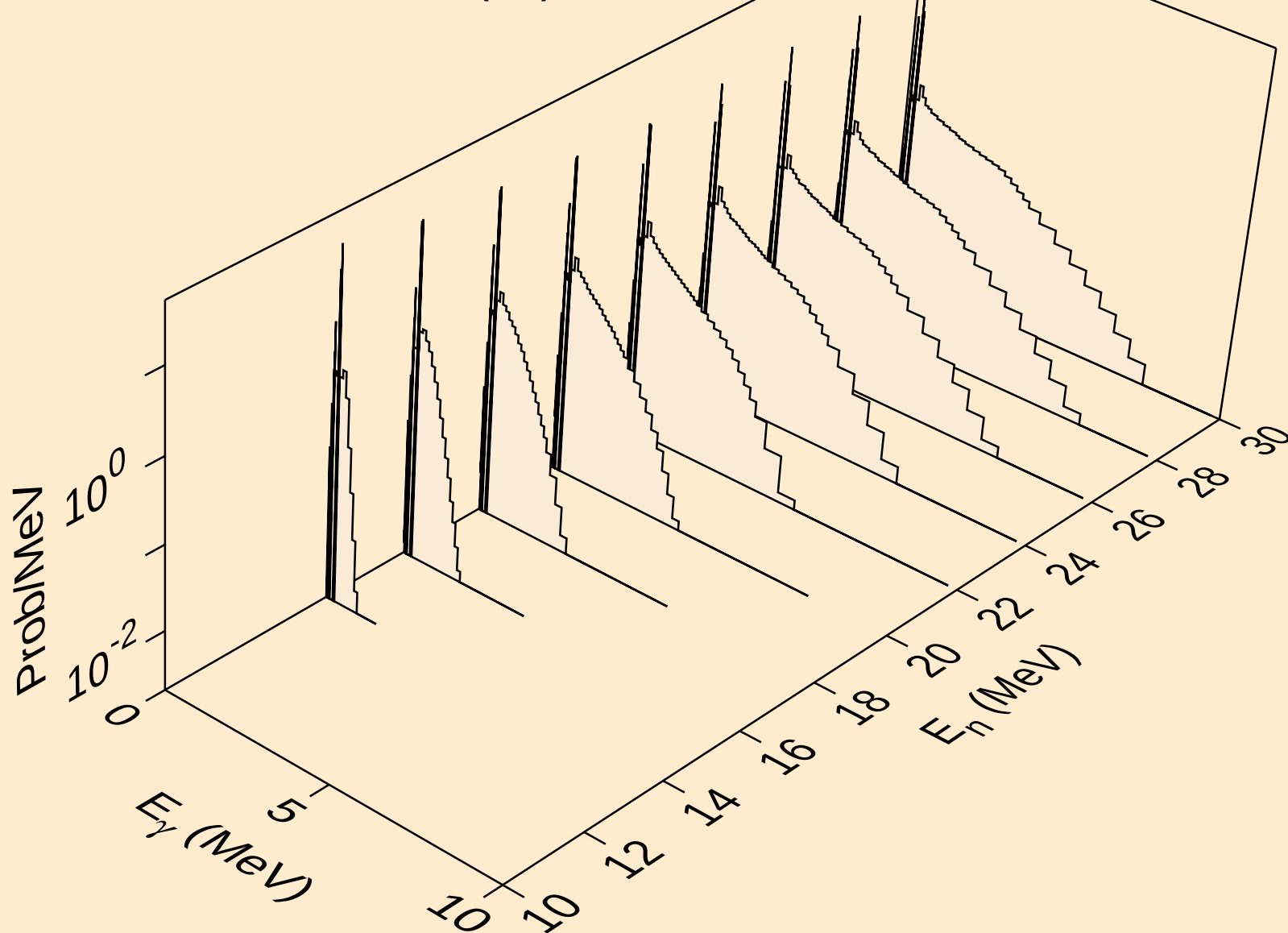


ZR088 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,d)

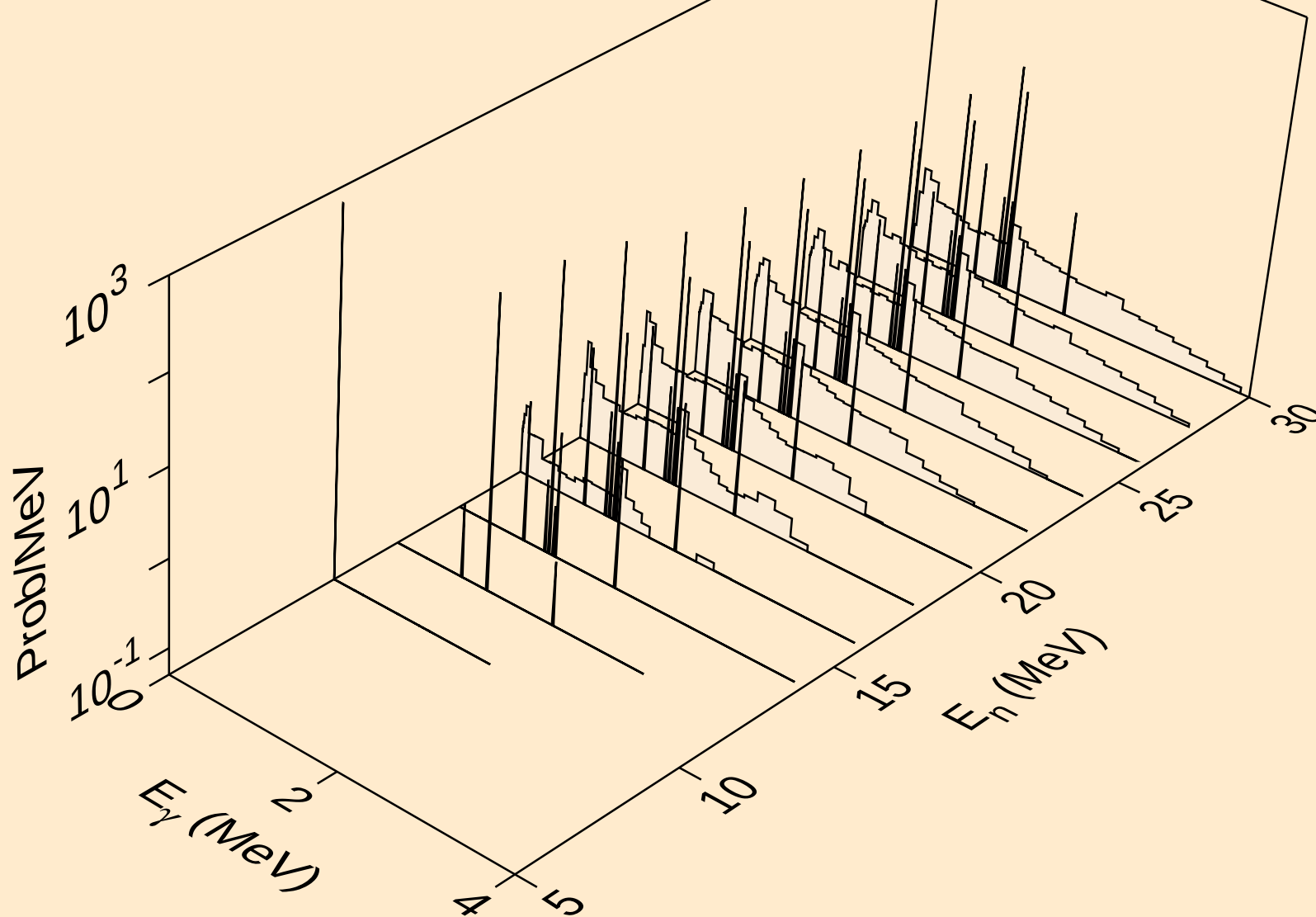


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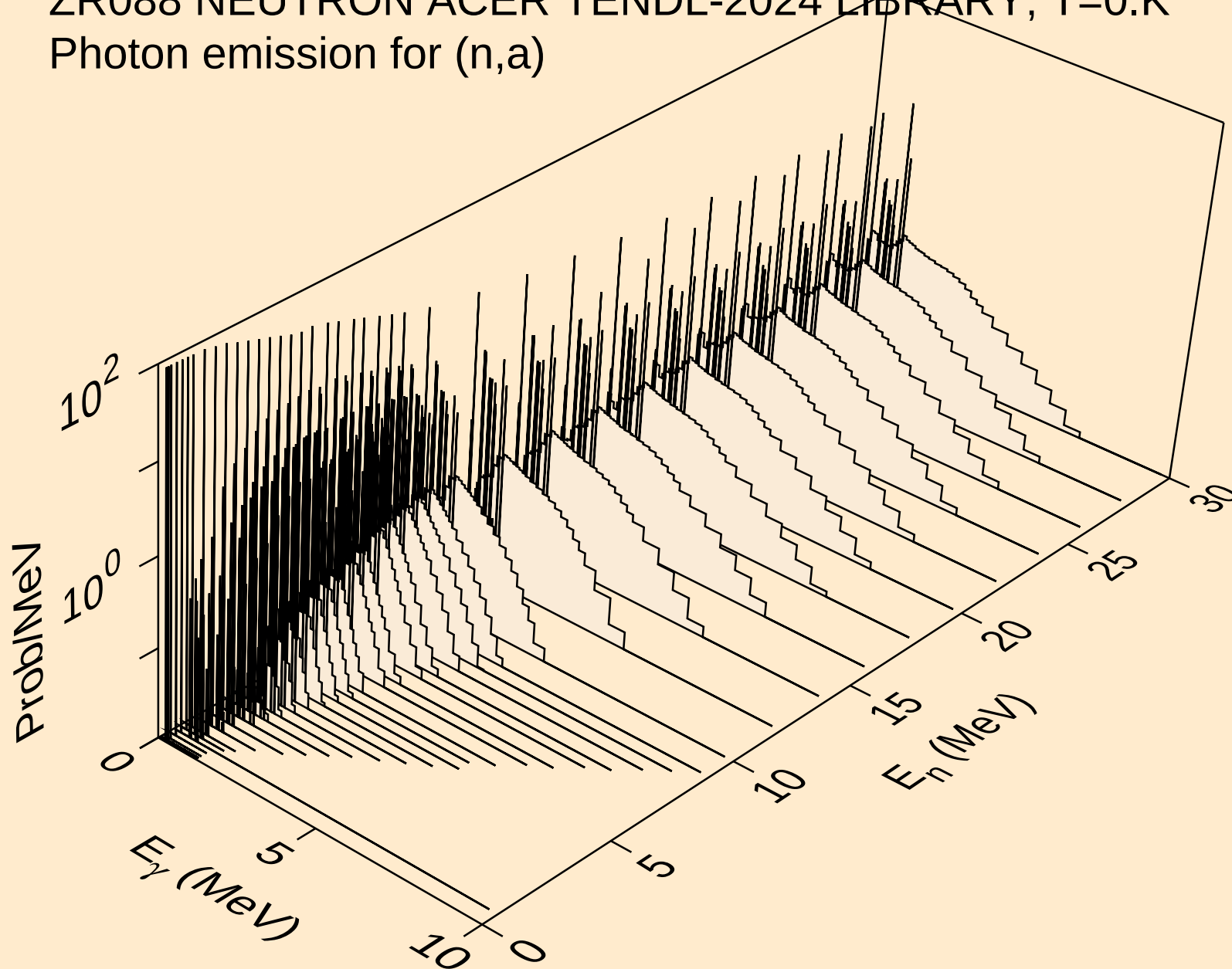
Photon emission for (n,t)



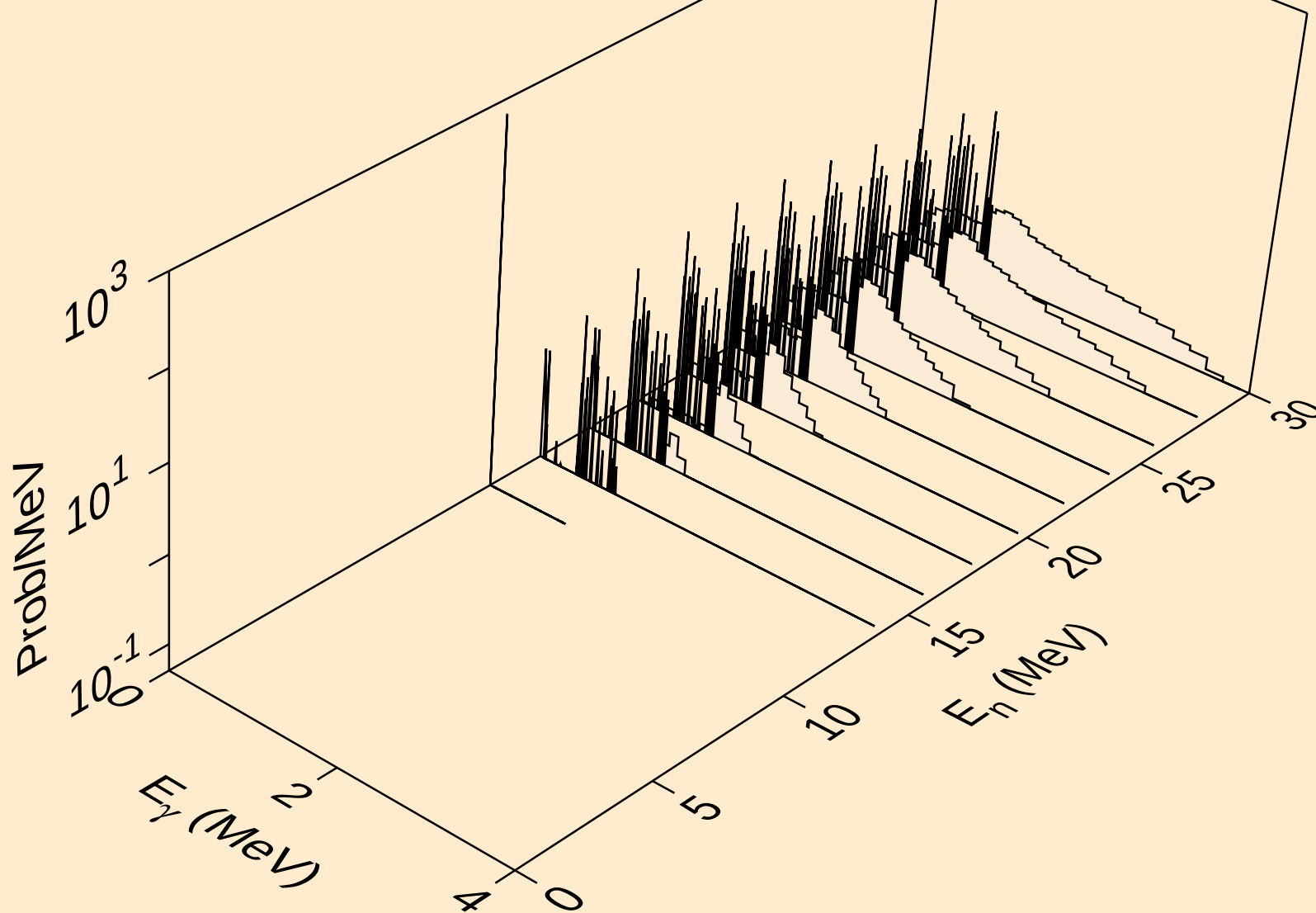
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Photon emission for (n,he3)



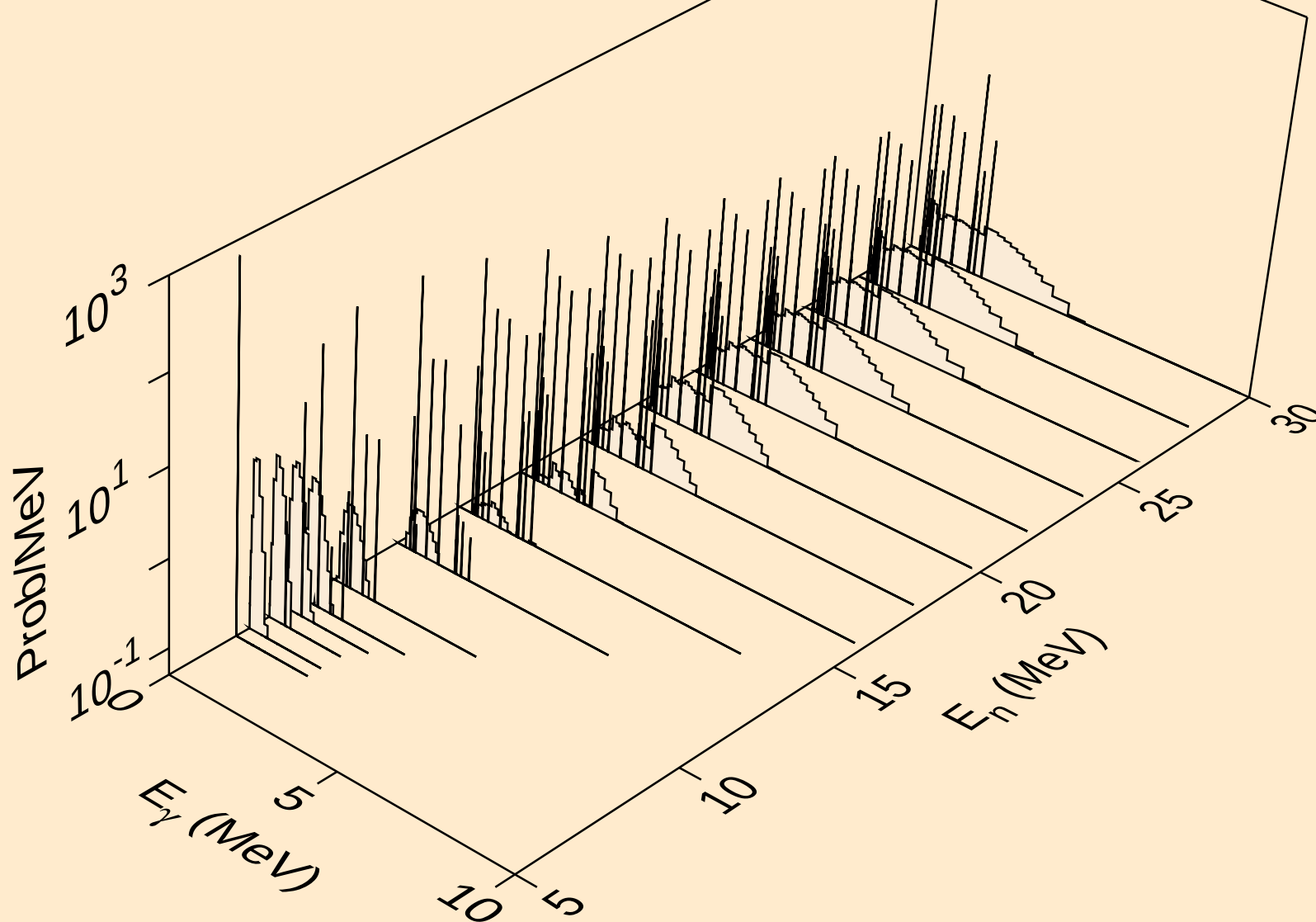
ZR088 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,a)



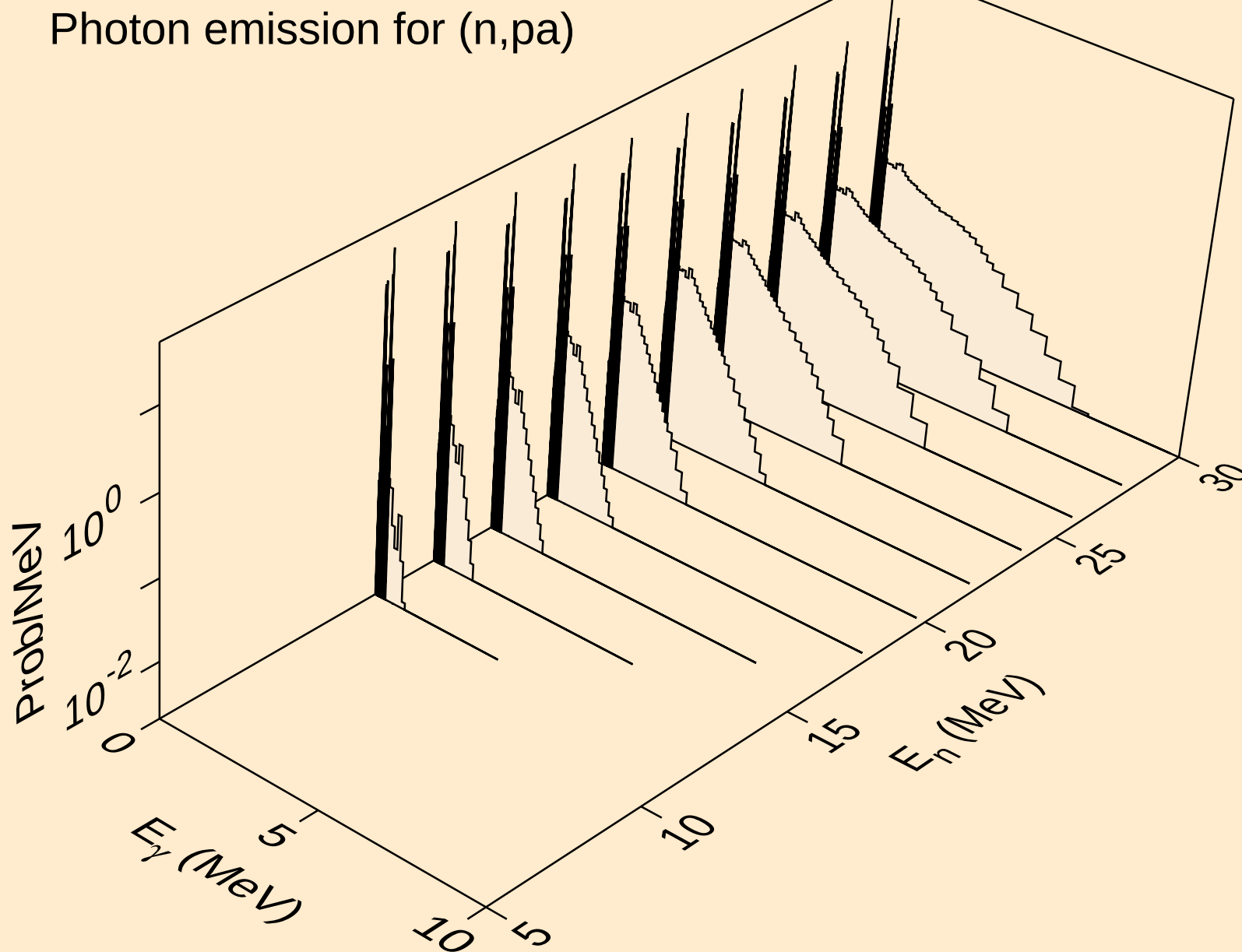
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Photon emission for (n,2a)



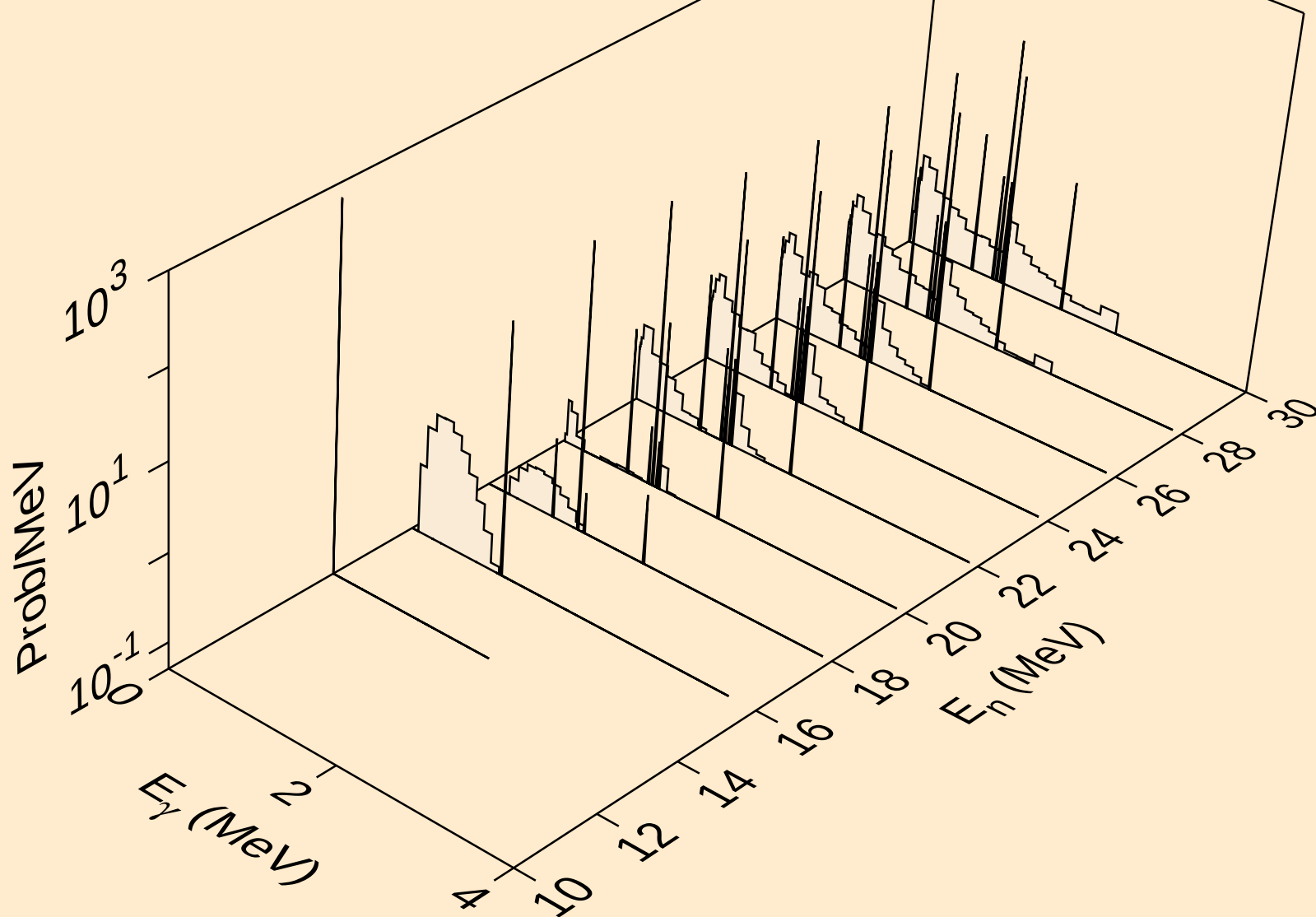
ZR088 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2p)



ZR088 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p $\alpha$ )



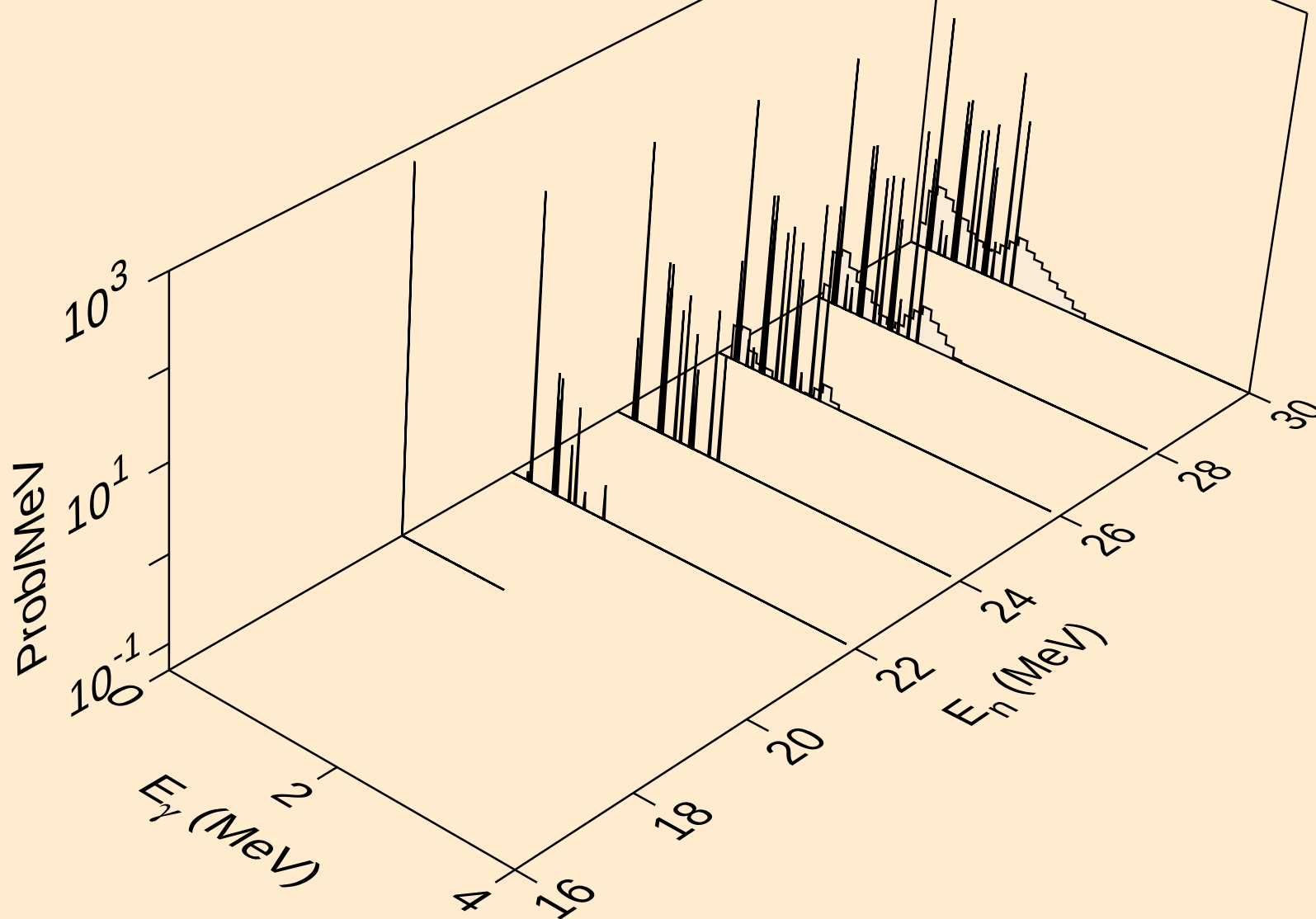
ZR088 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pd)



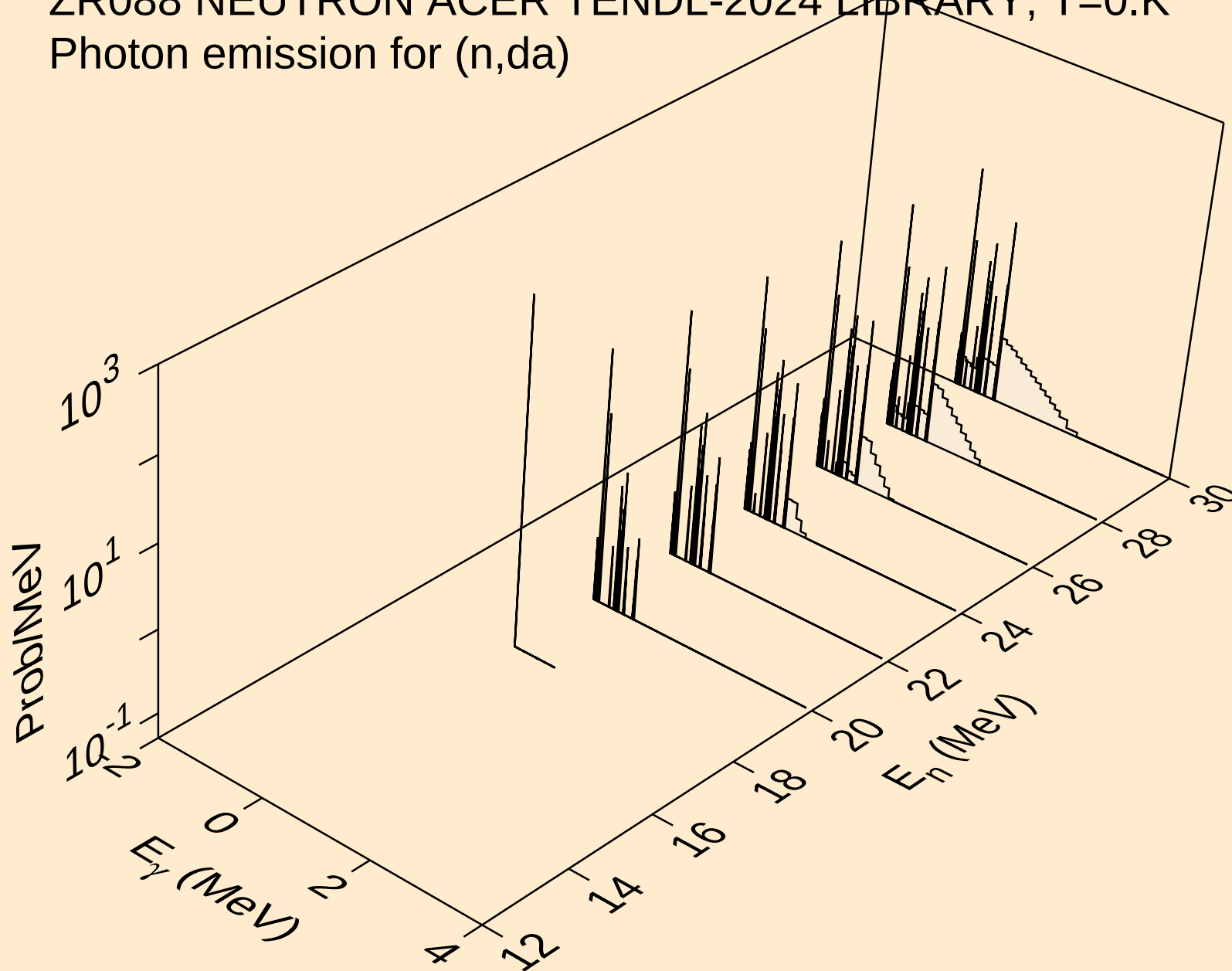


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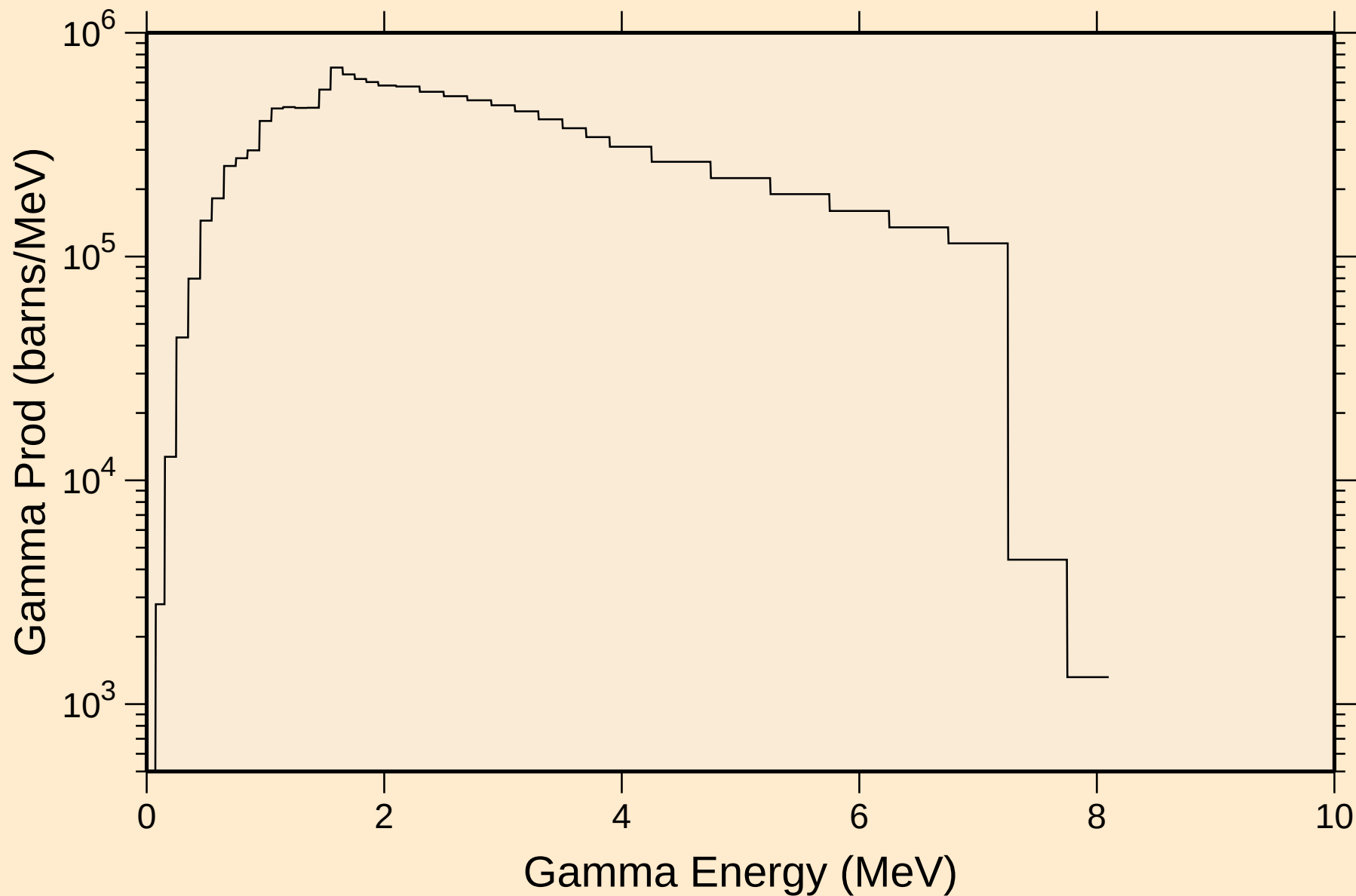
Photon emission for (n,pt)



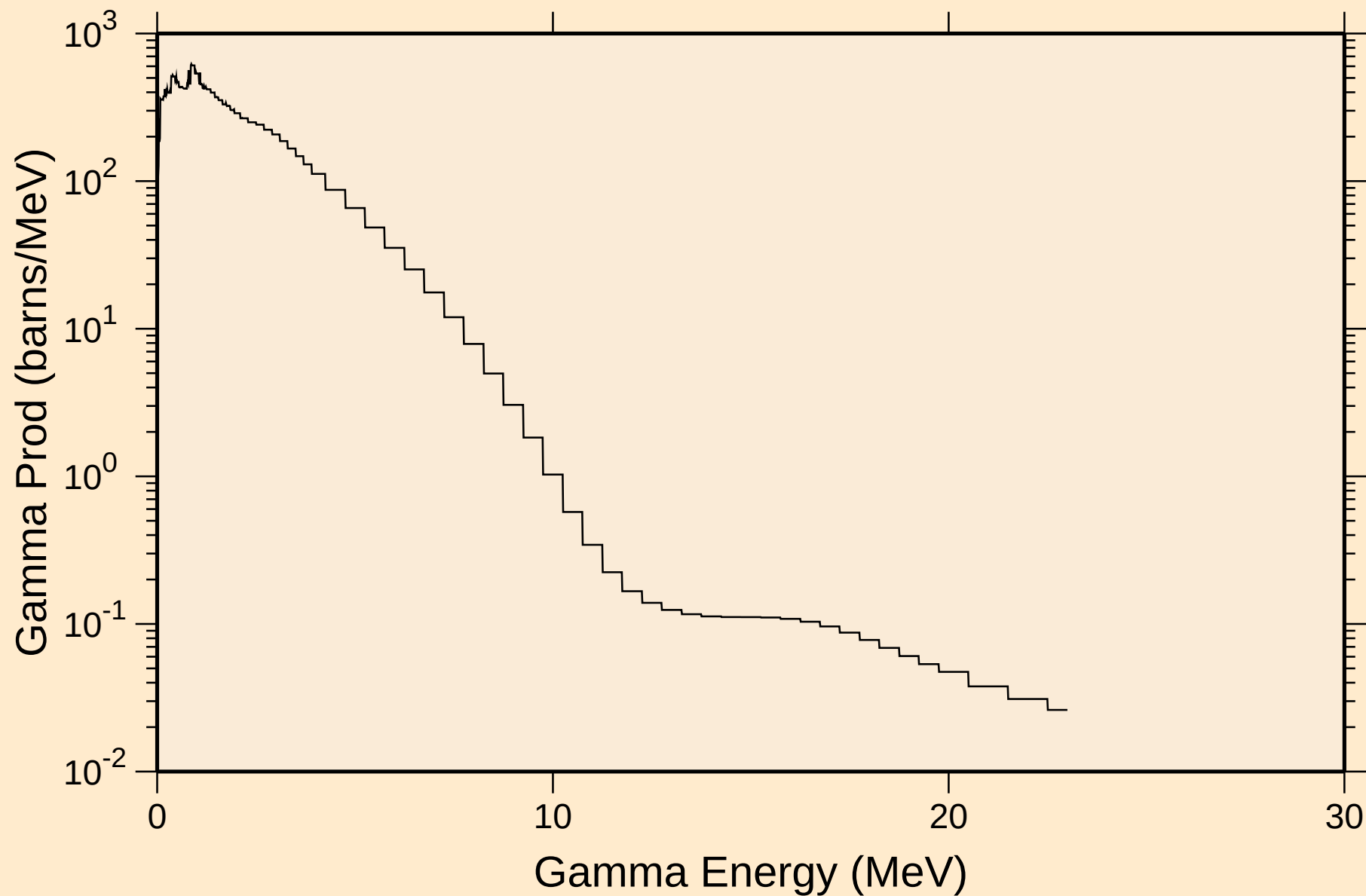
ZR088 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,da)



ZR088 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
thermal capture photon spectrum

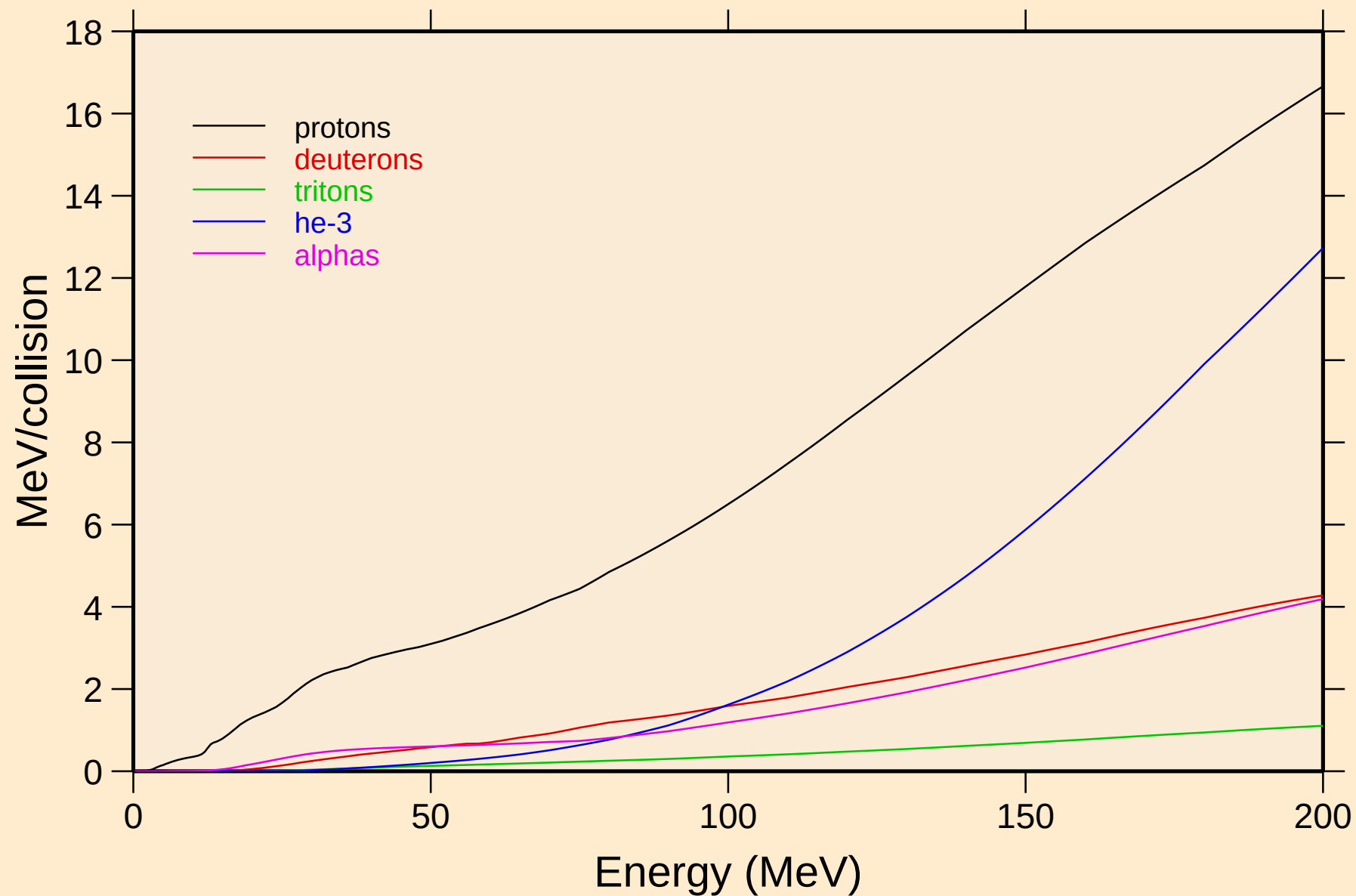


ZR088 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
14 MeV photon spectrum

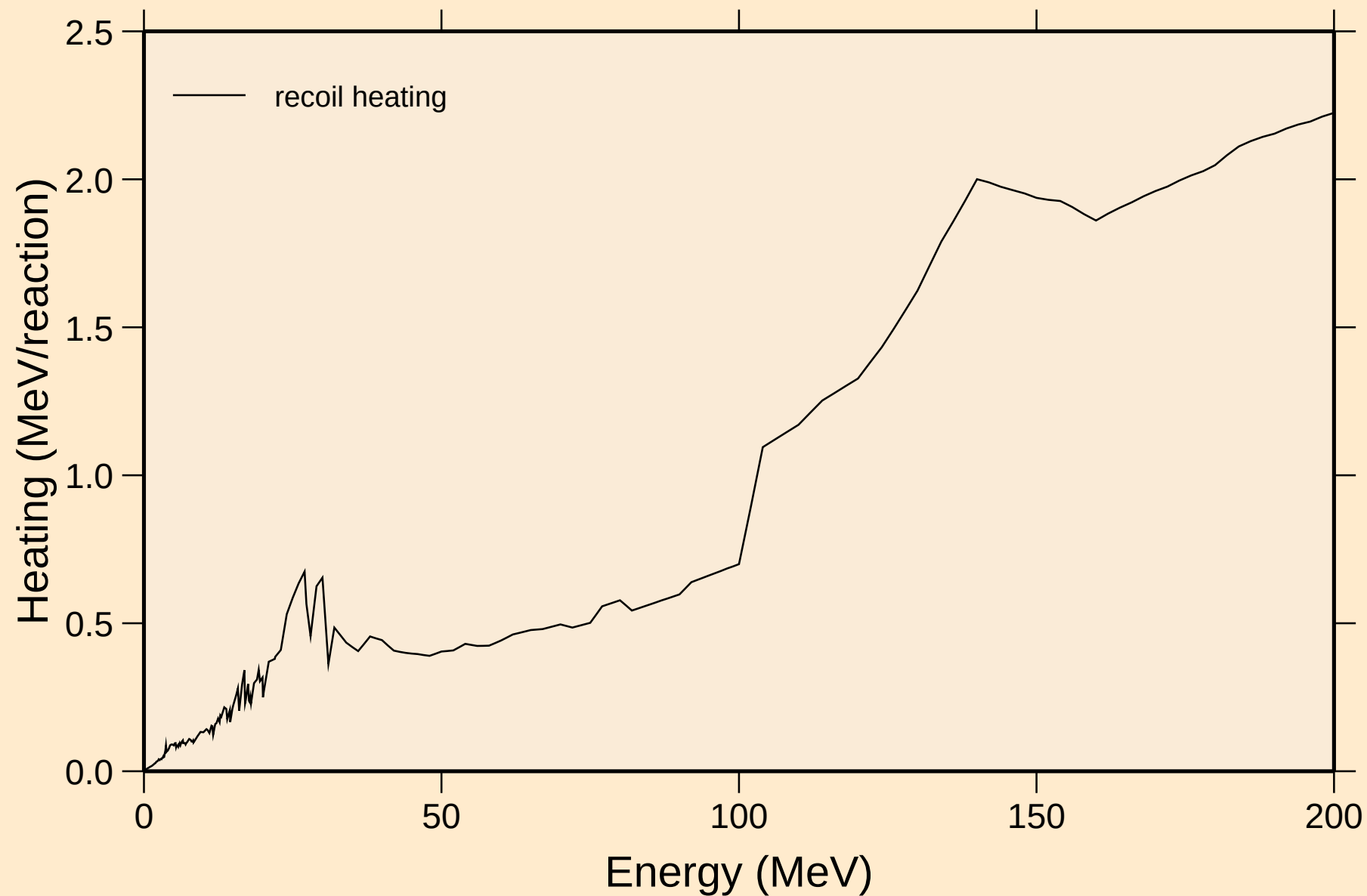


# ZR088 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Particle heating contributions

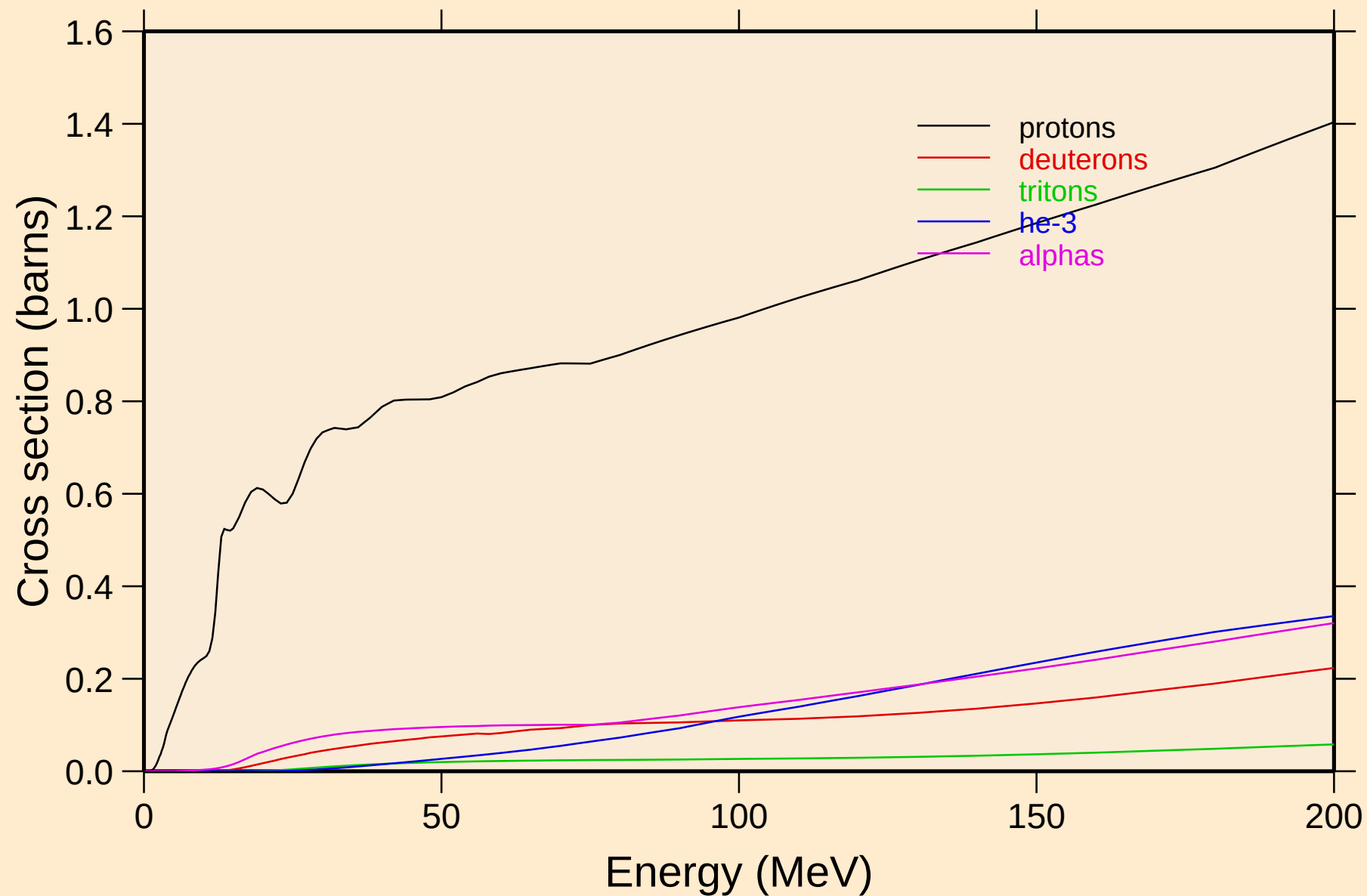


ZR088 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Recoil Heating

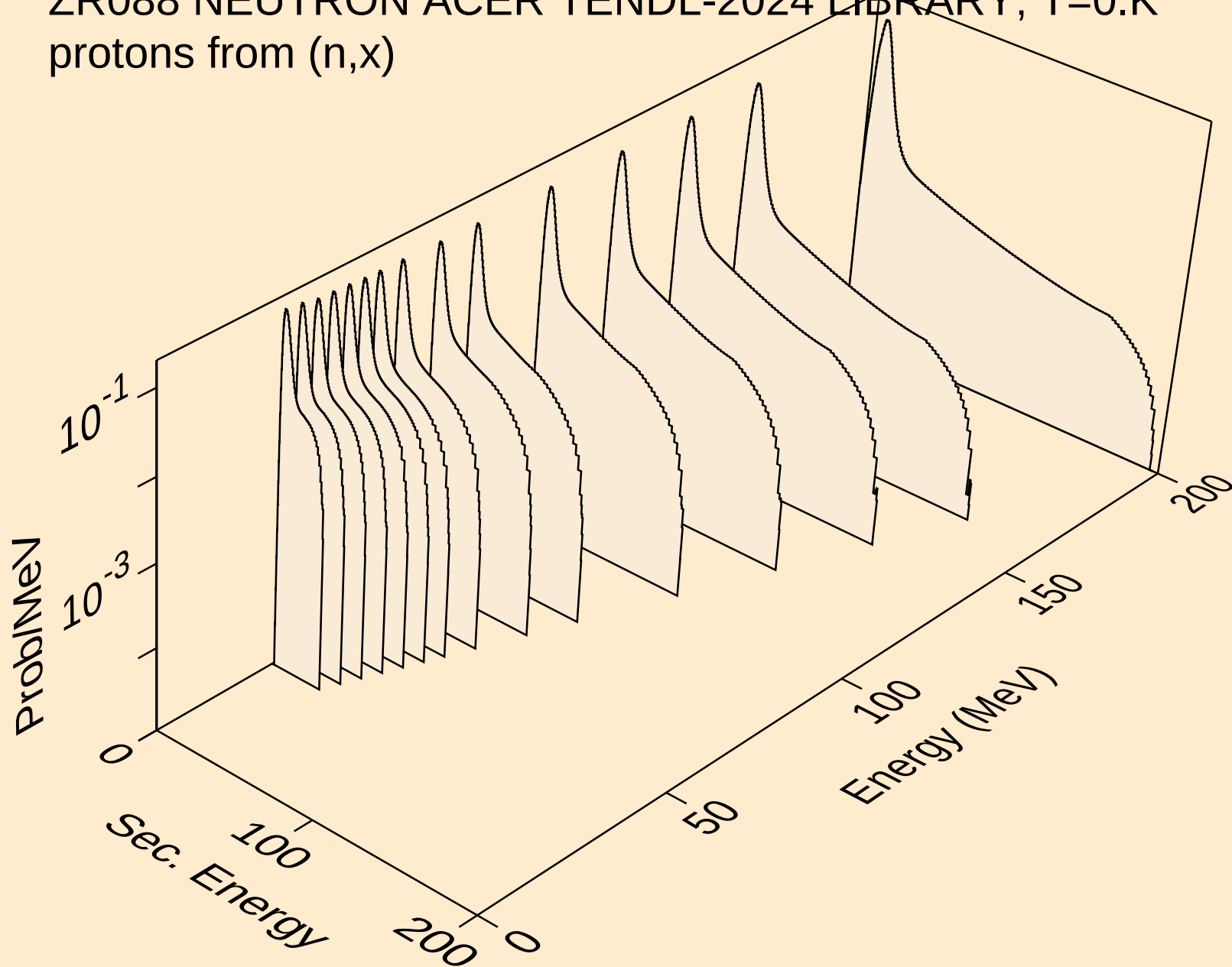


# ZR088 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Particle production cross sections

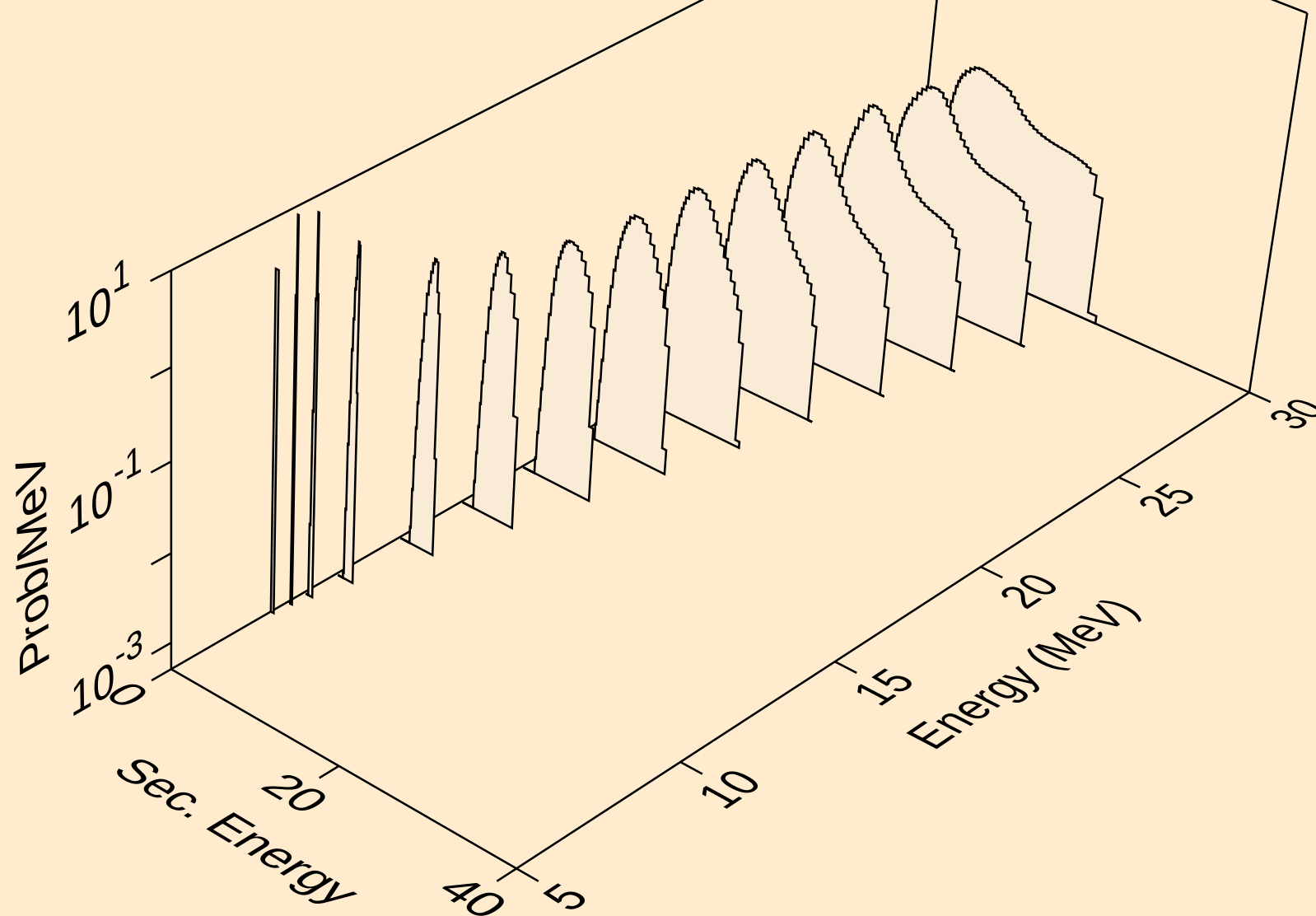


ZR088 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,x)

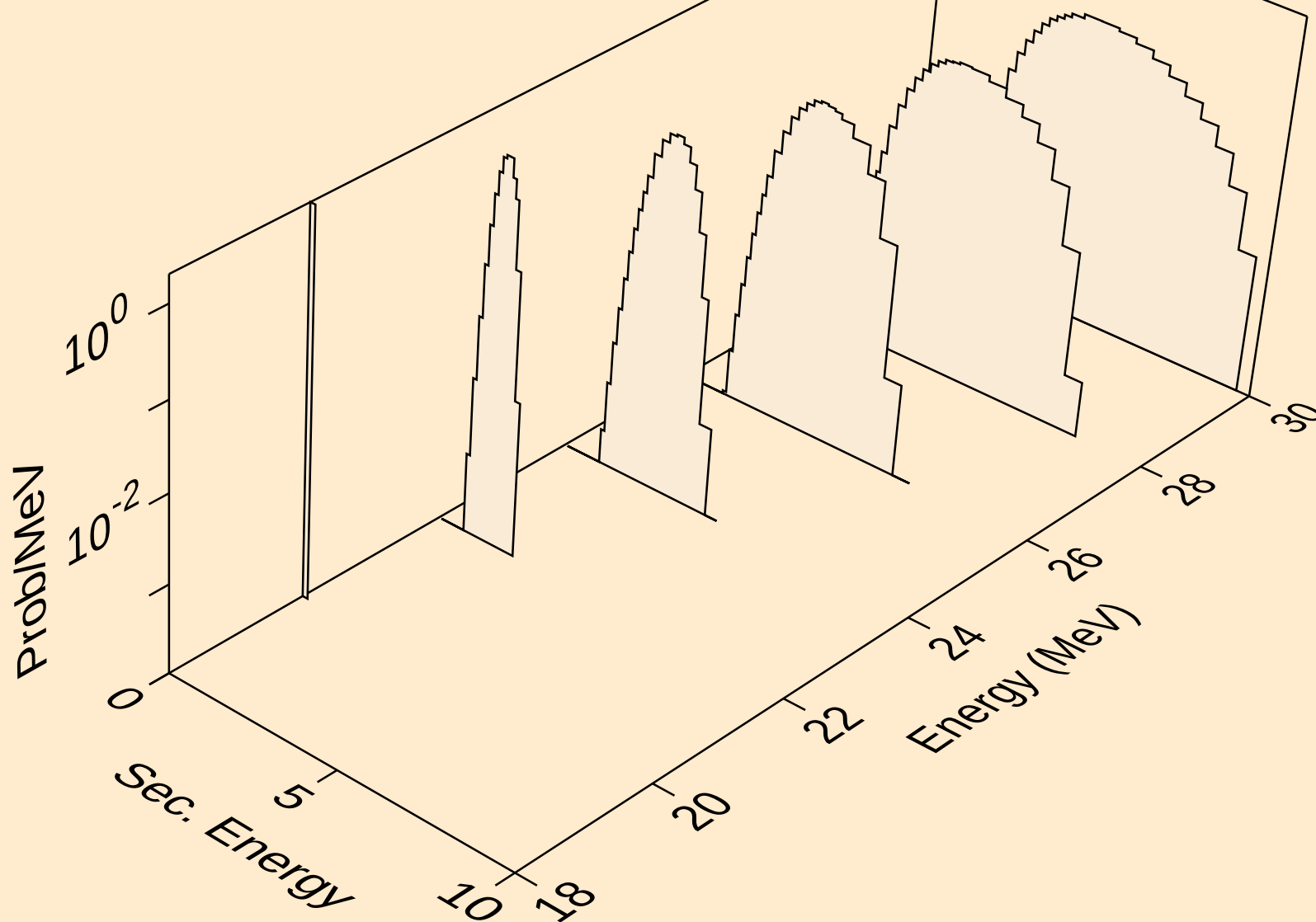




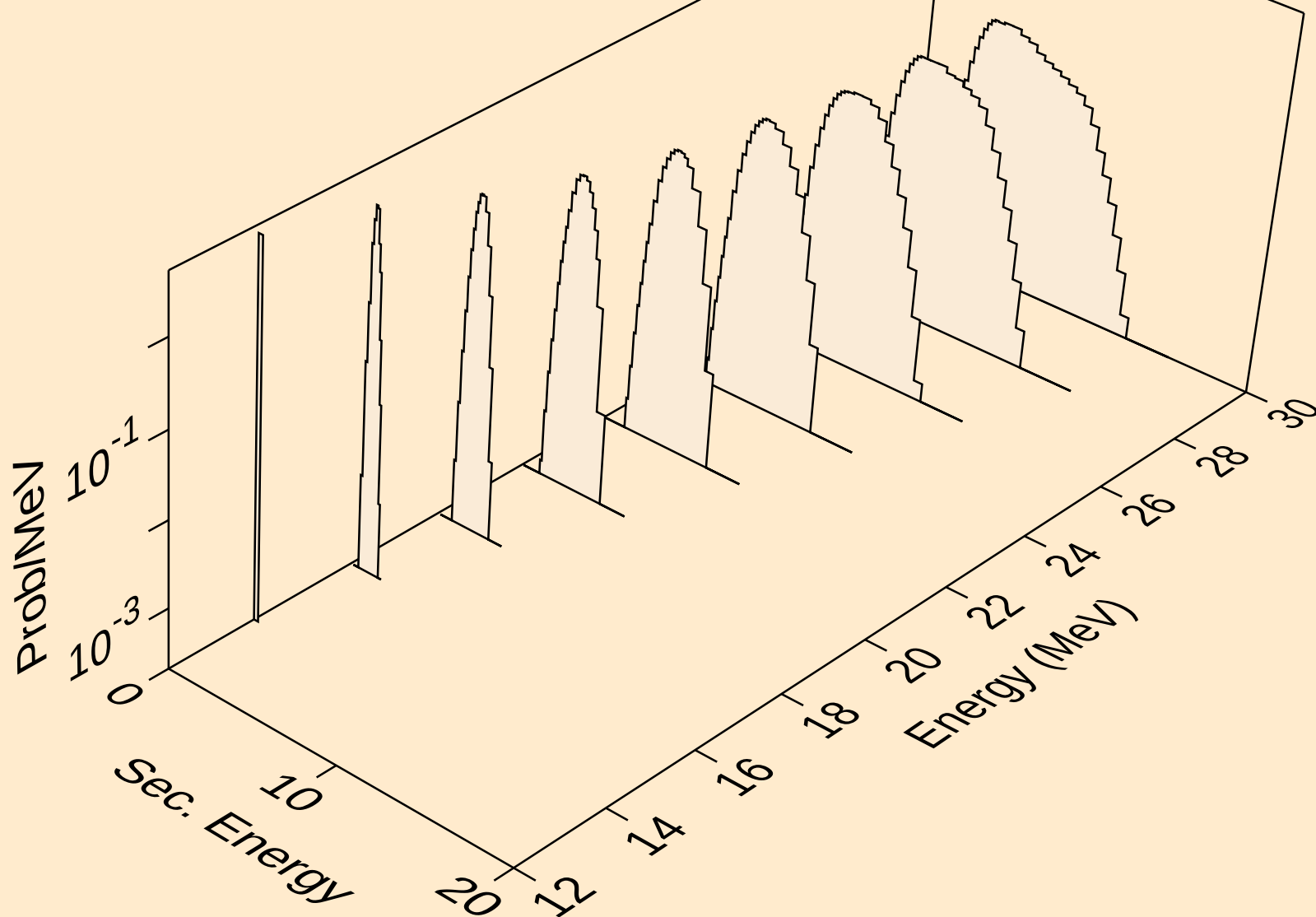
ZR088 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,n\*)p



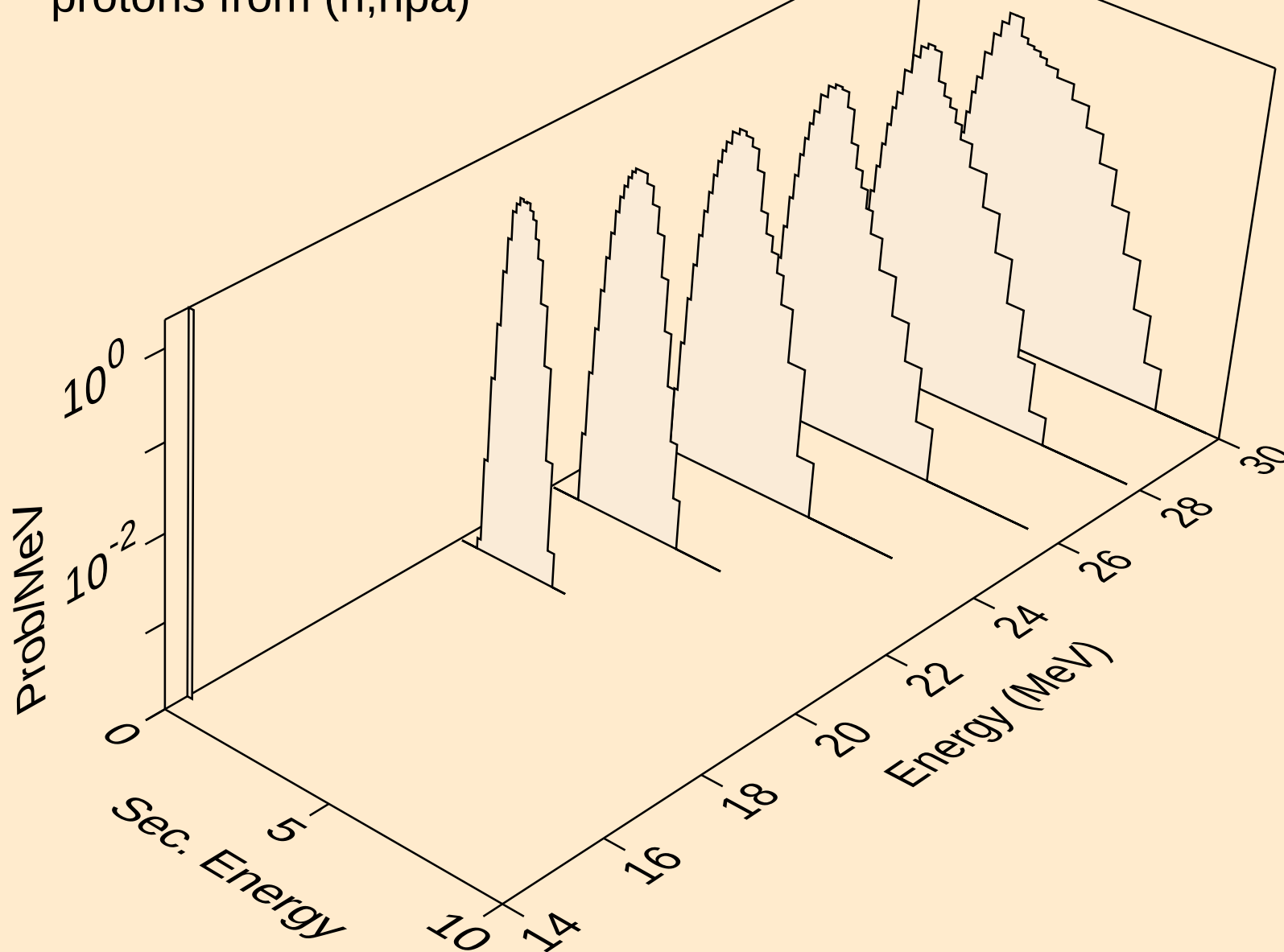
ZR088 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,2np)



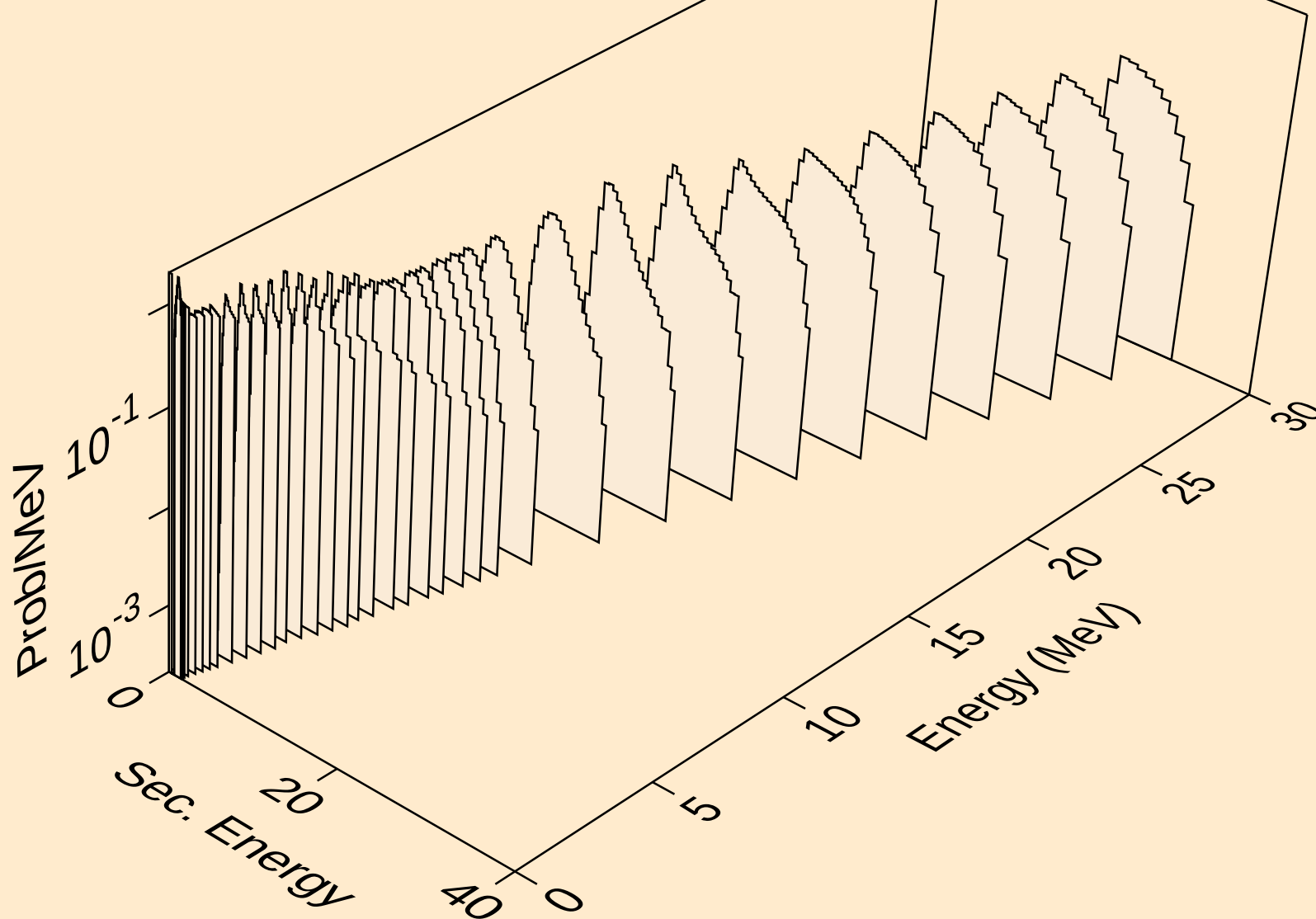
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protons from (n,n2p)



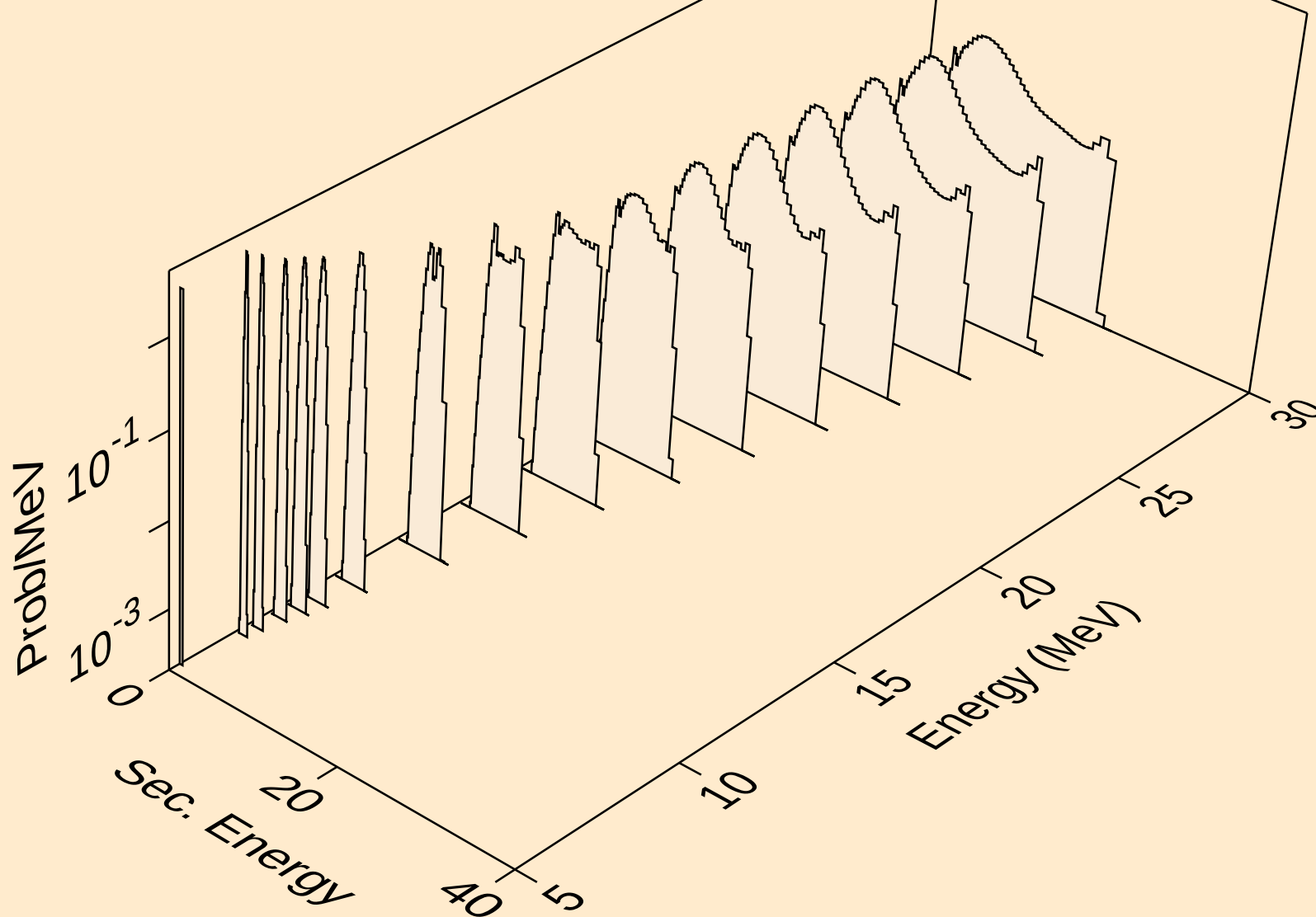
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protons from (n,npa)



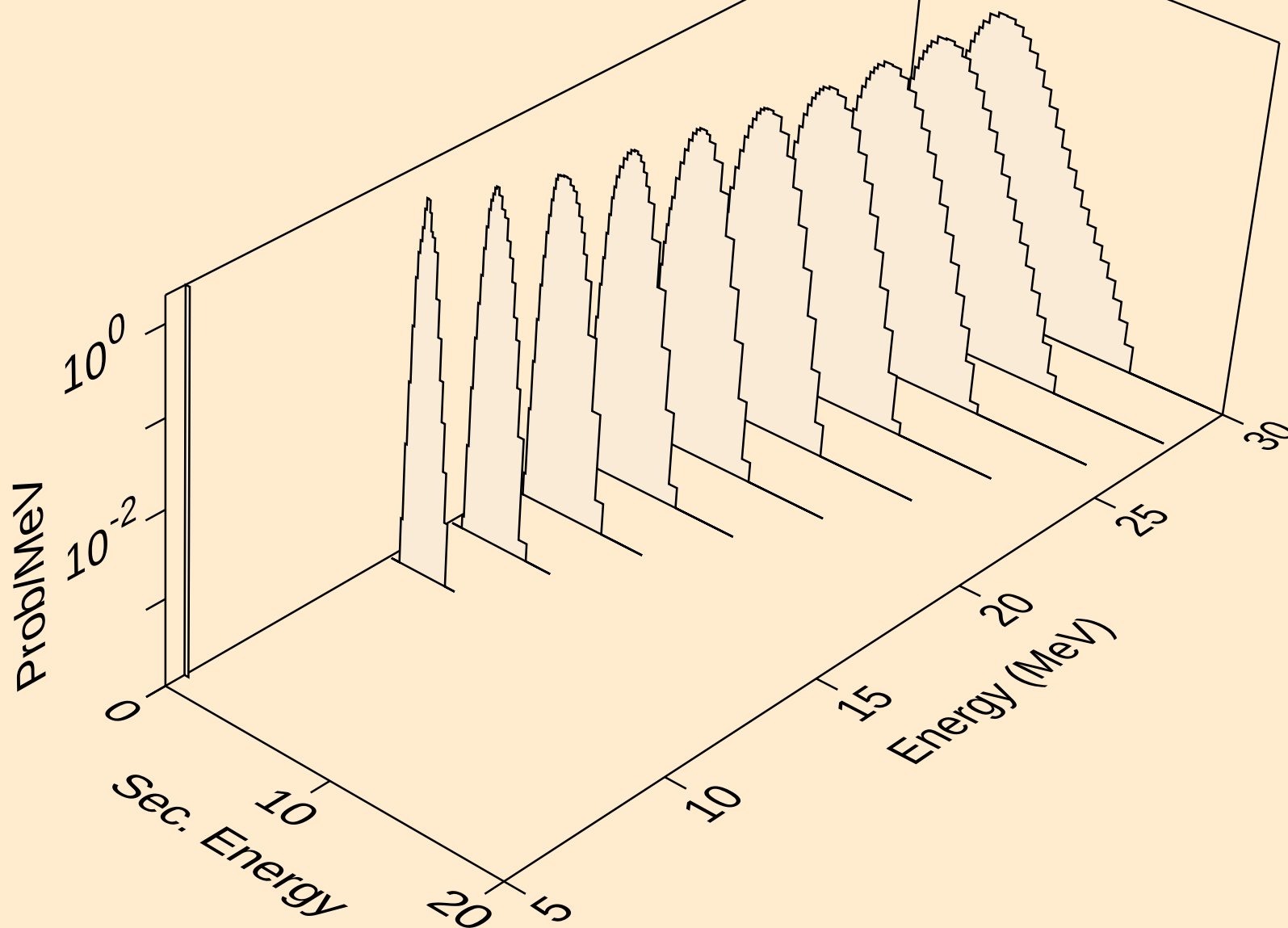
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protons from (n,p)



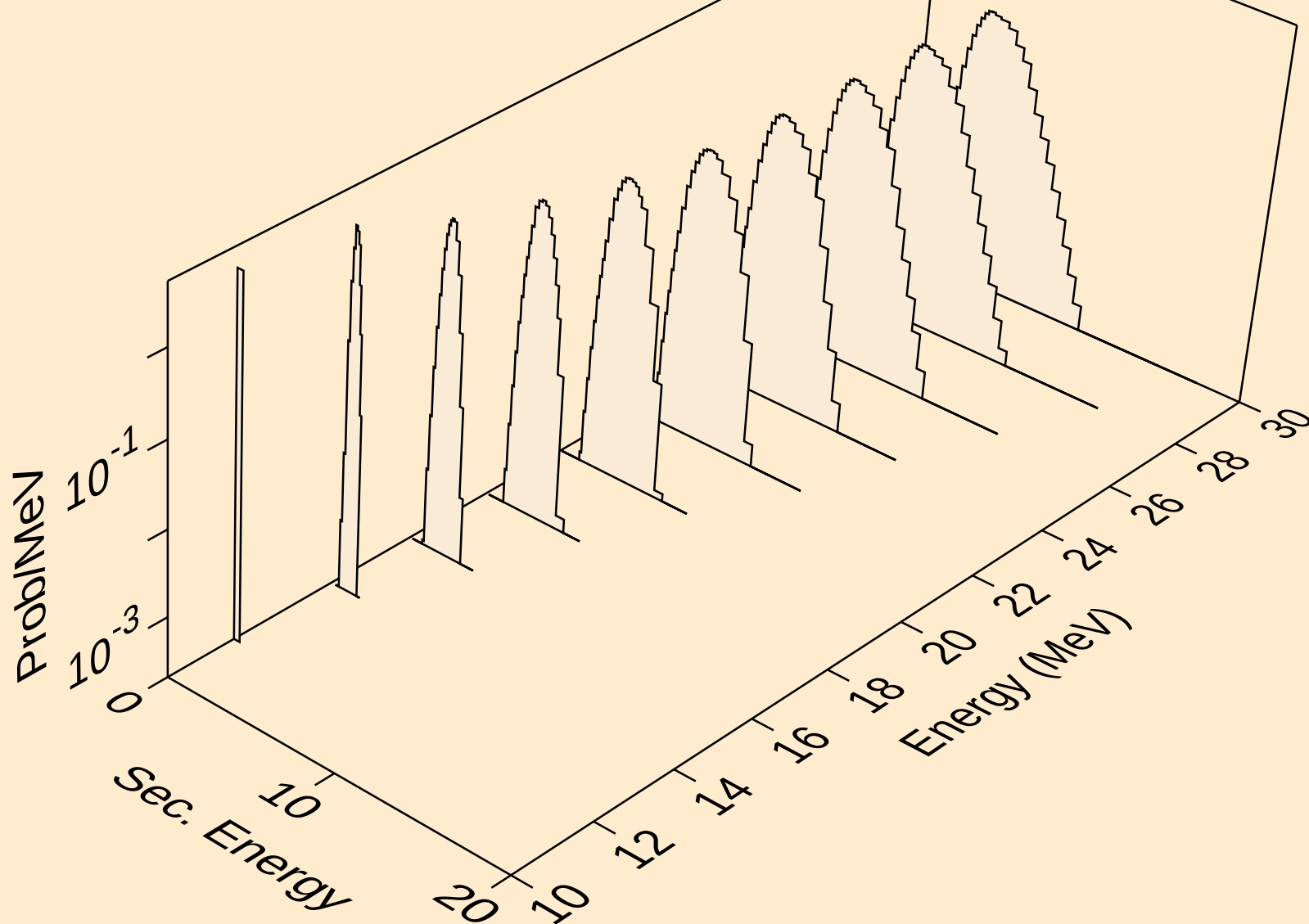
ZR088 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,2p)



ZR088 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,p)

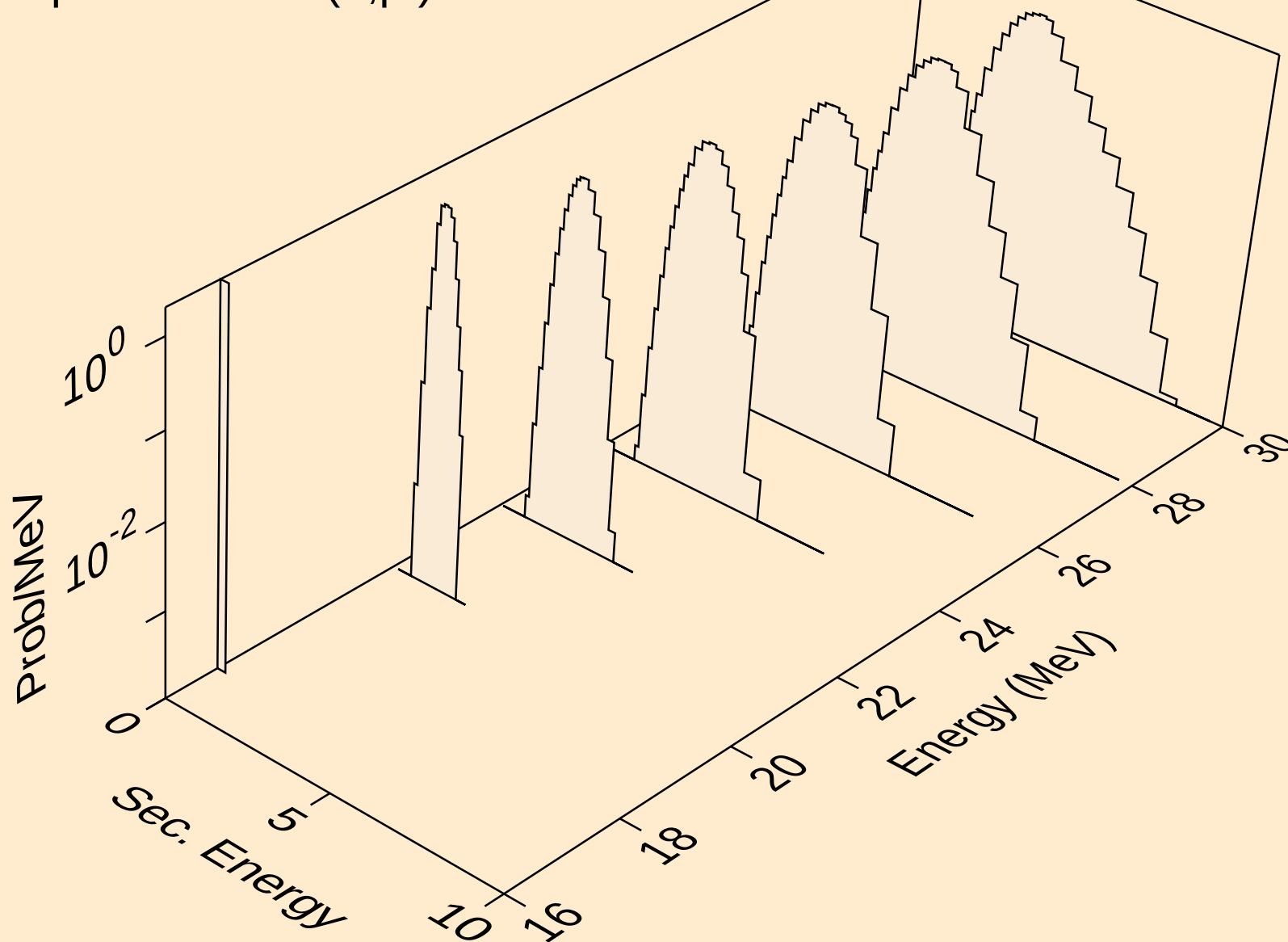


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protons from (n,pd)

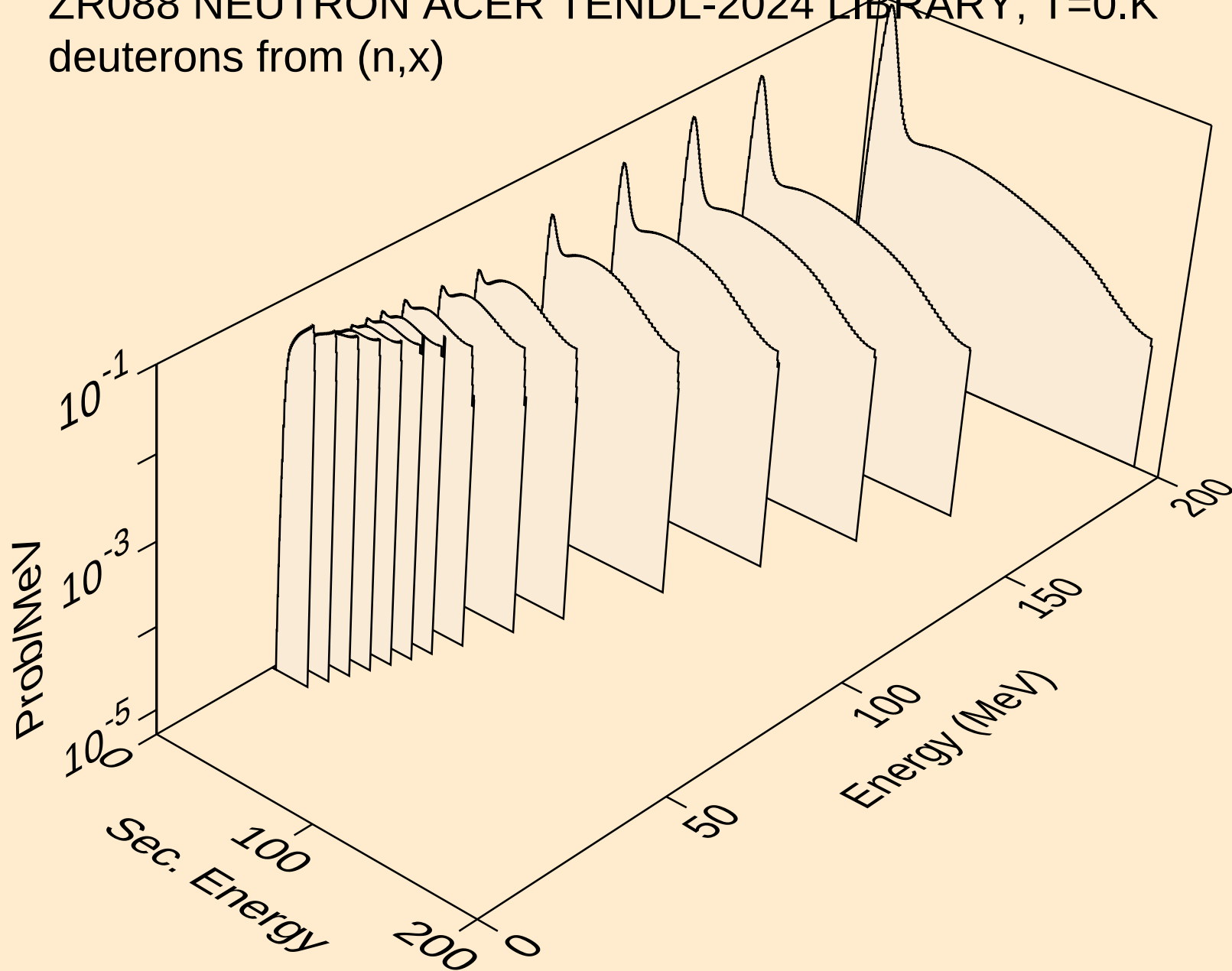




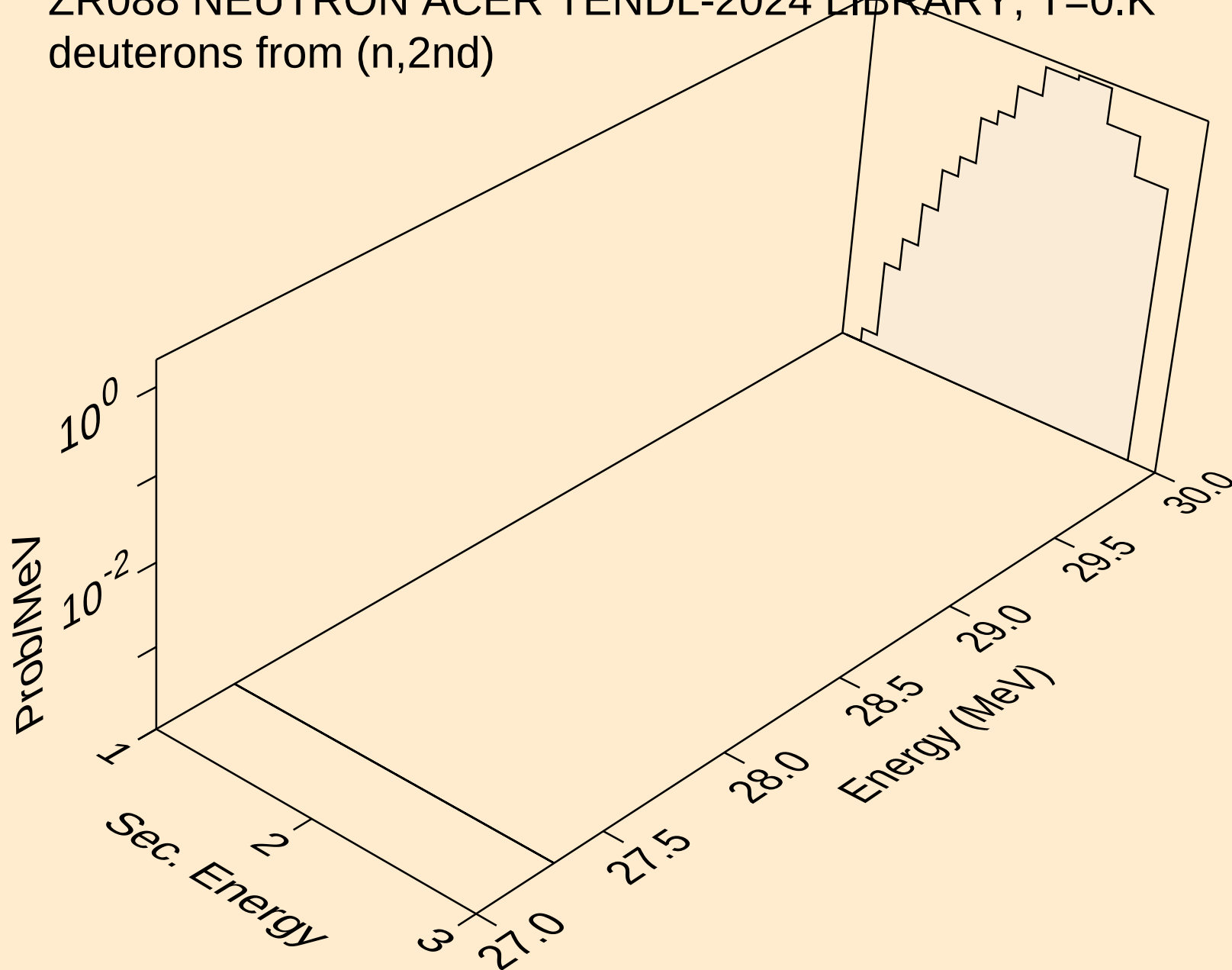
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protons from (n,pt)



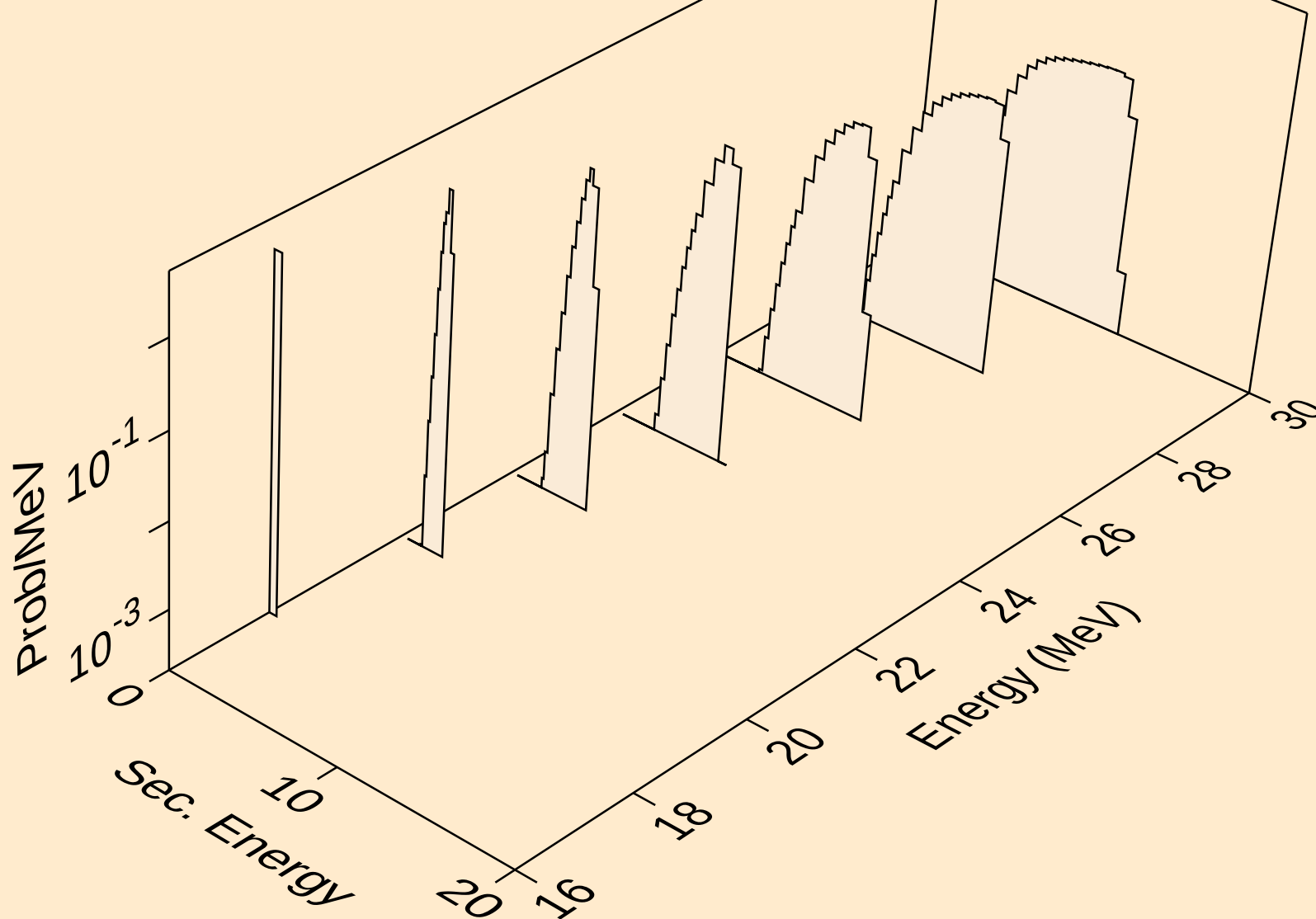
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deuterons from (n,x)



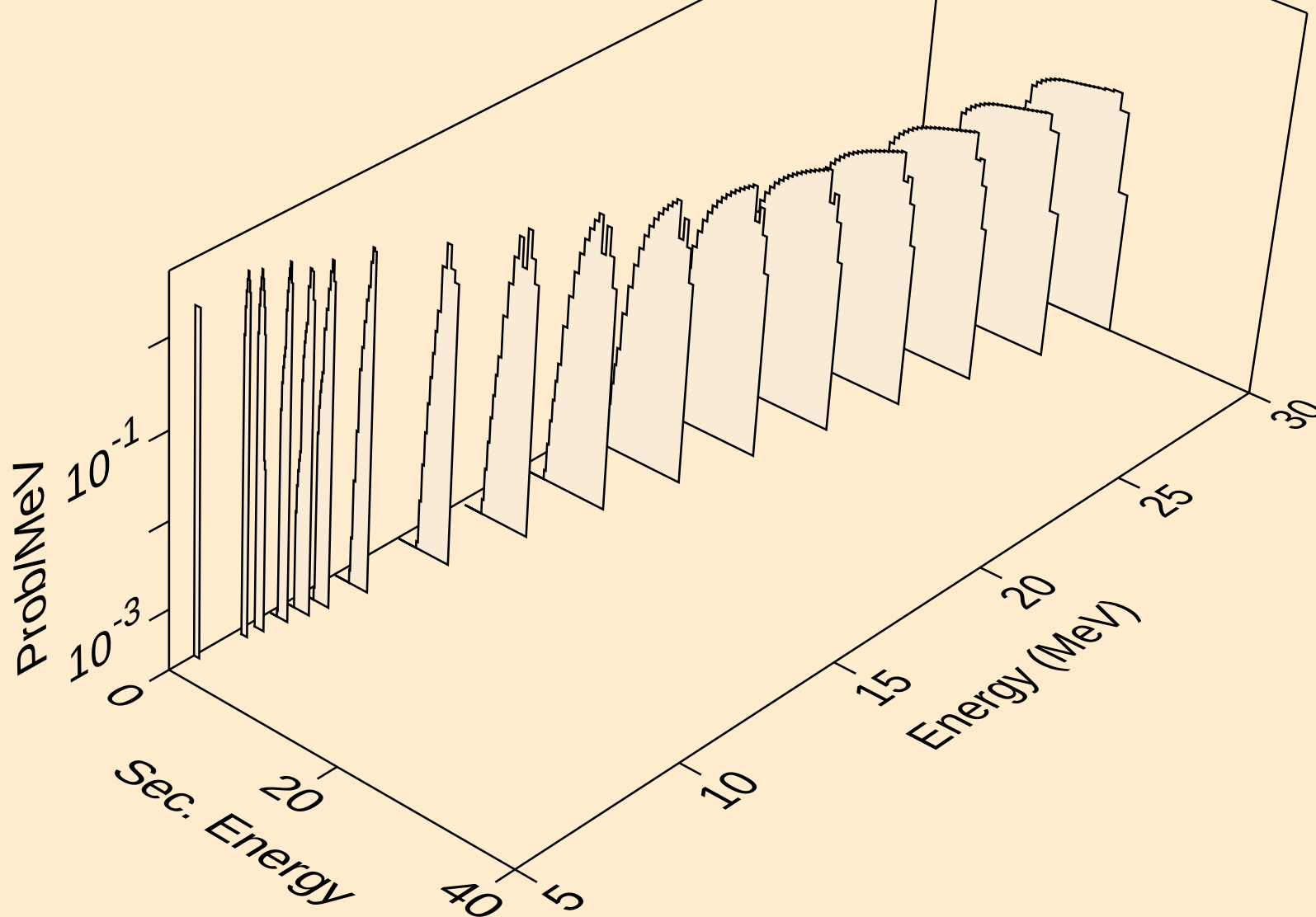
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deuterons from (n,2nd)



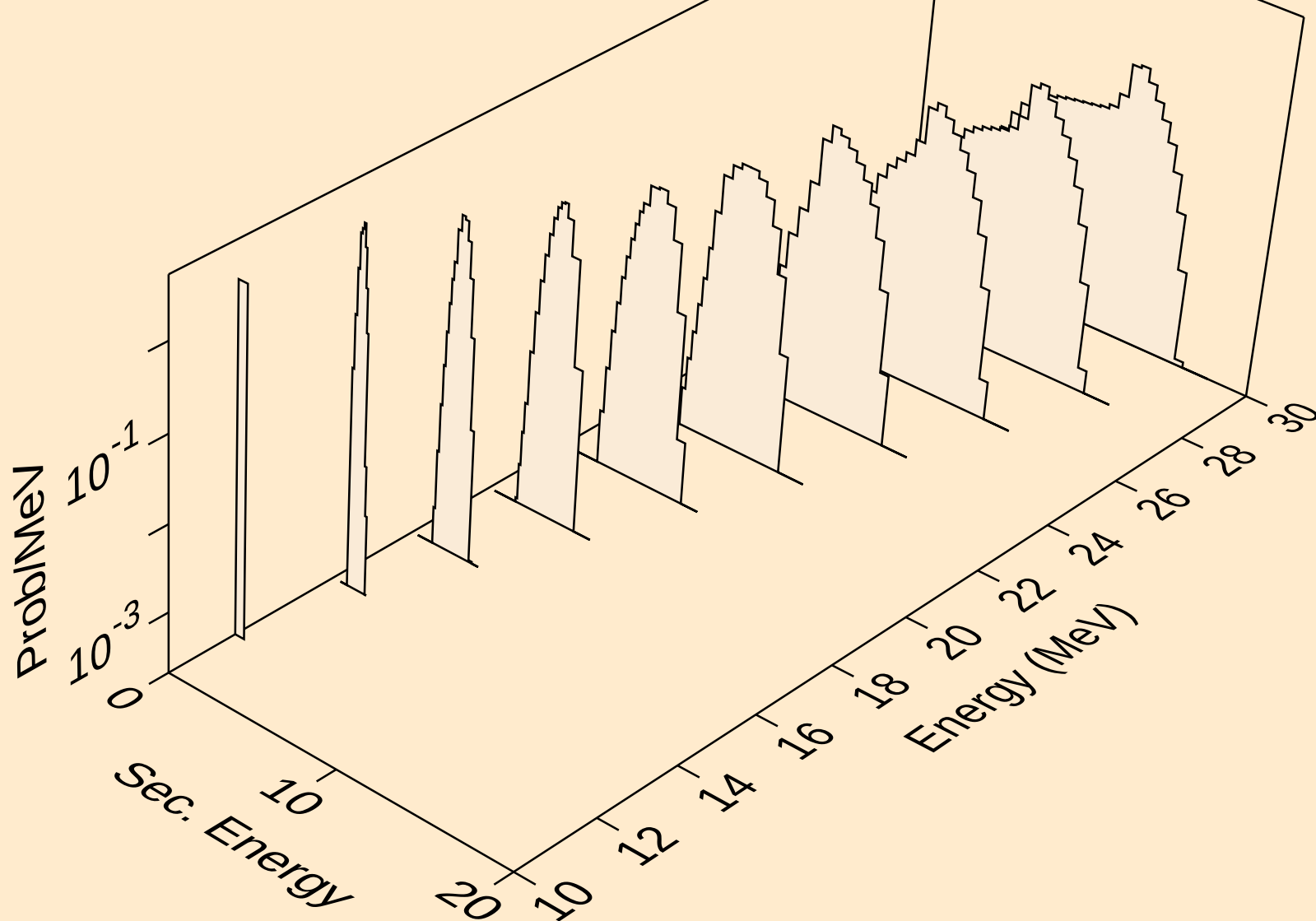
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deuterons from (n,n\*)d



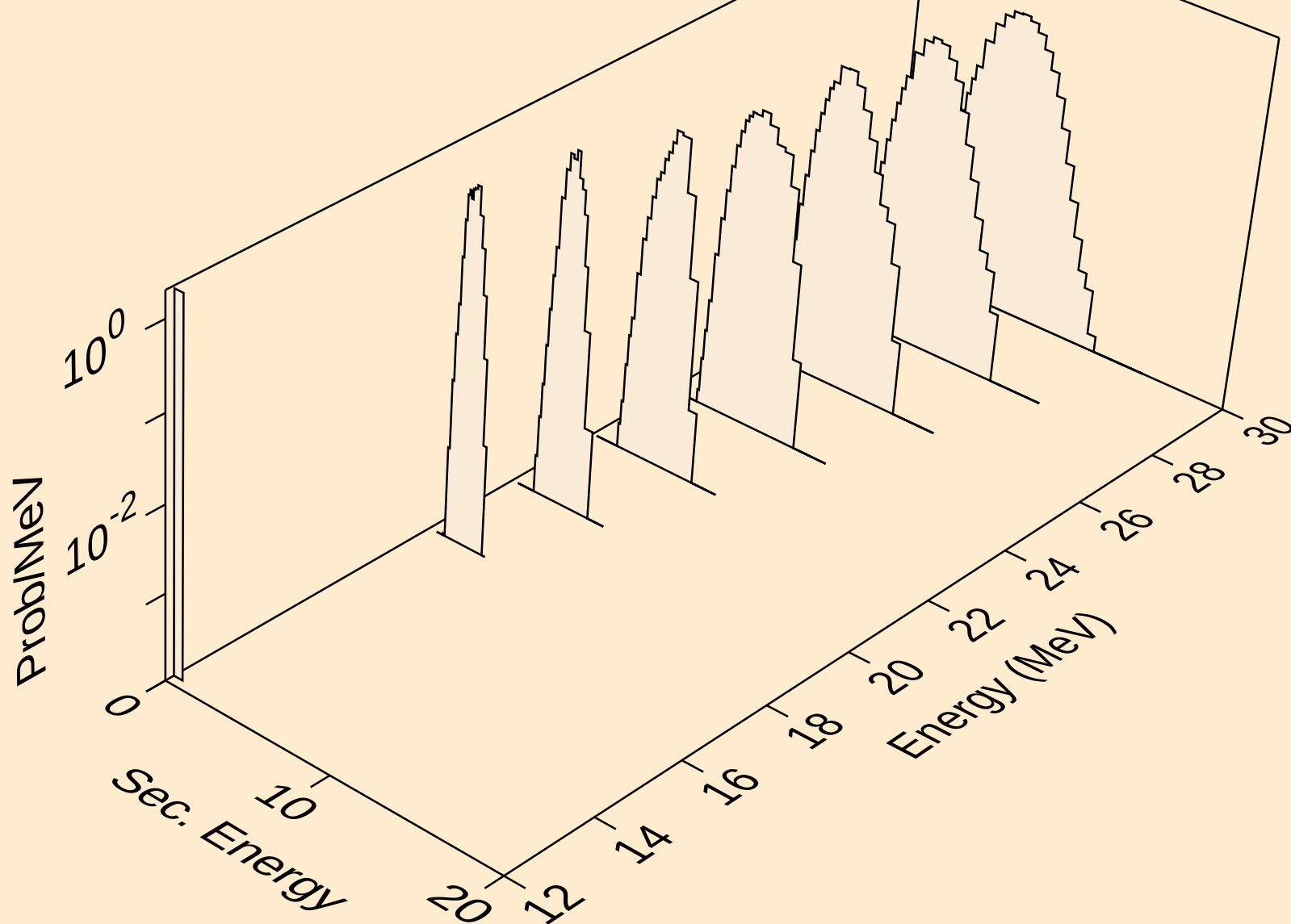
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deuterons from (n,d)



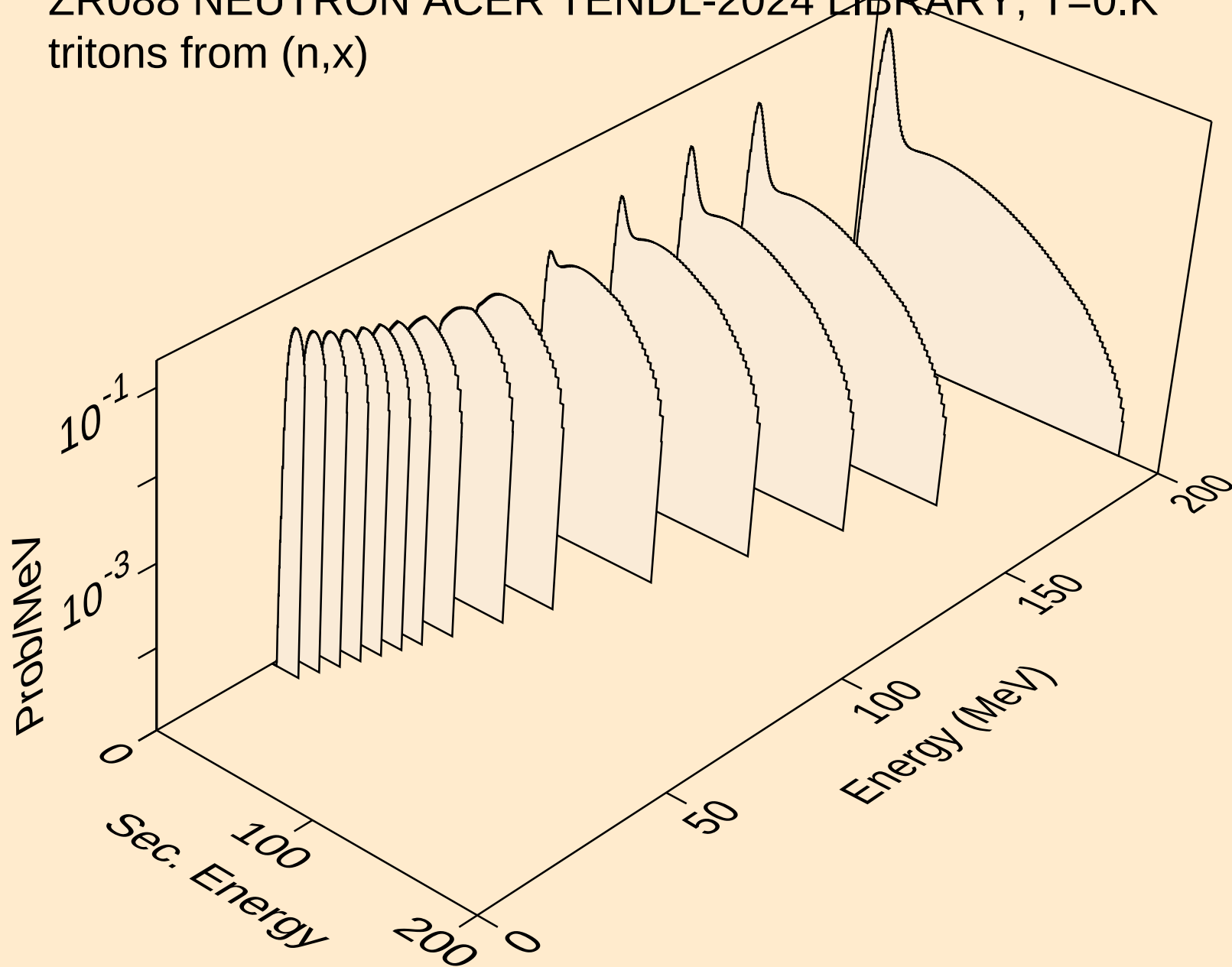
ZR088 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,pd)



ZR088 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,da)

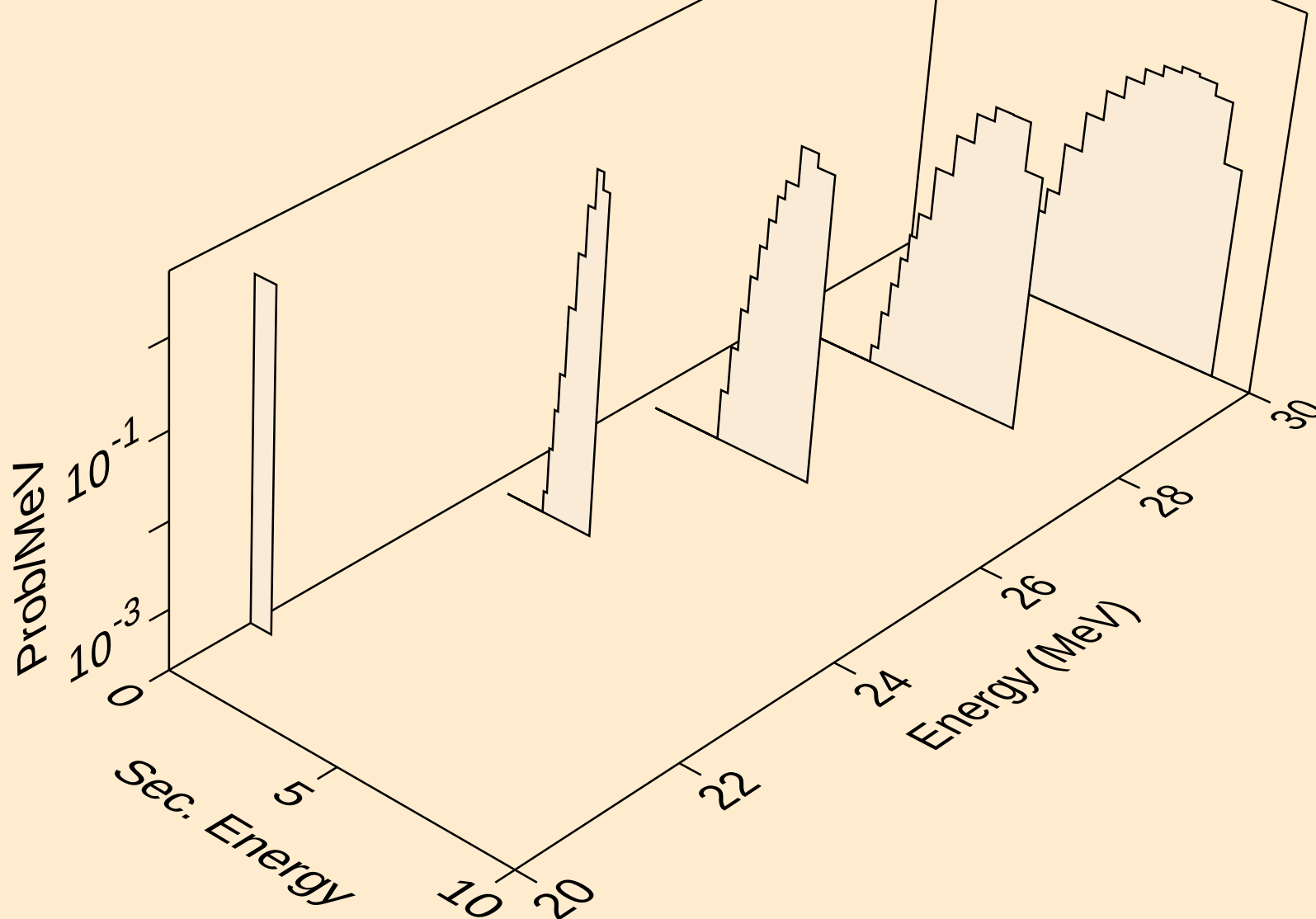


ZR088 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,x)

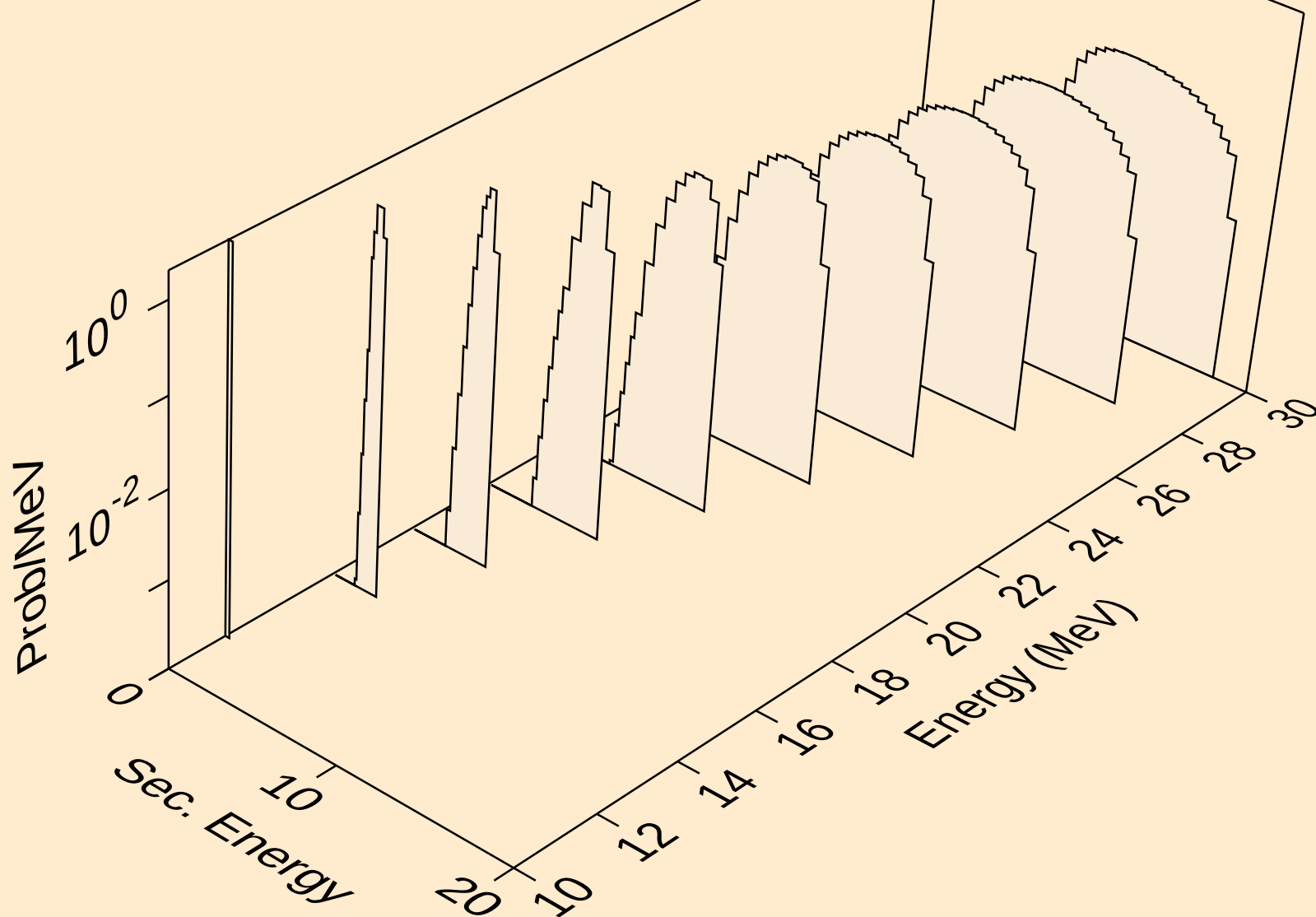




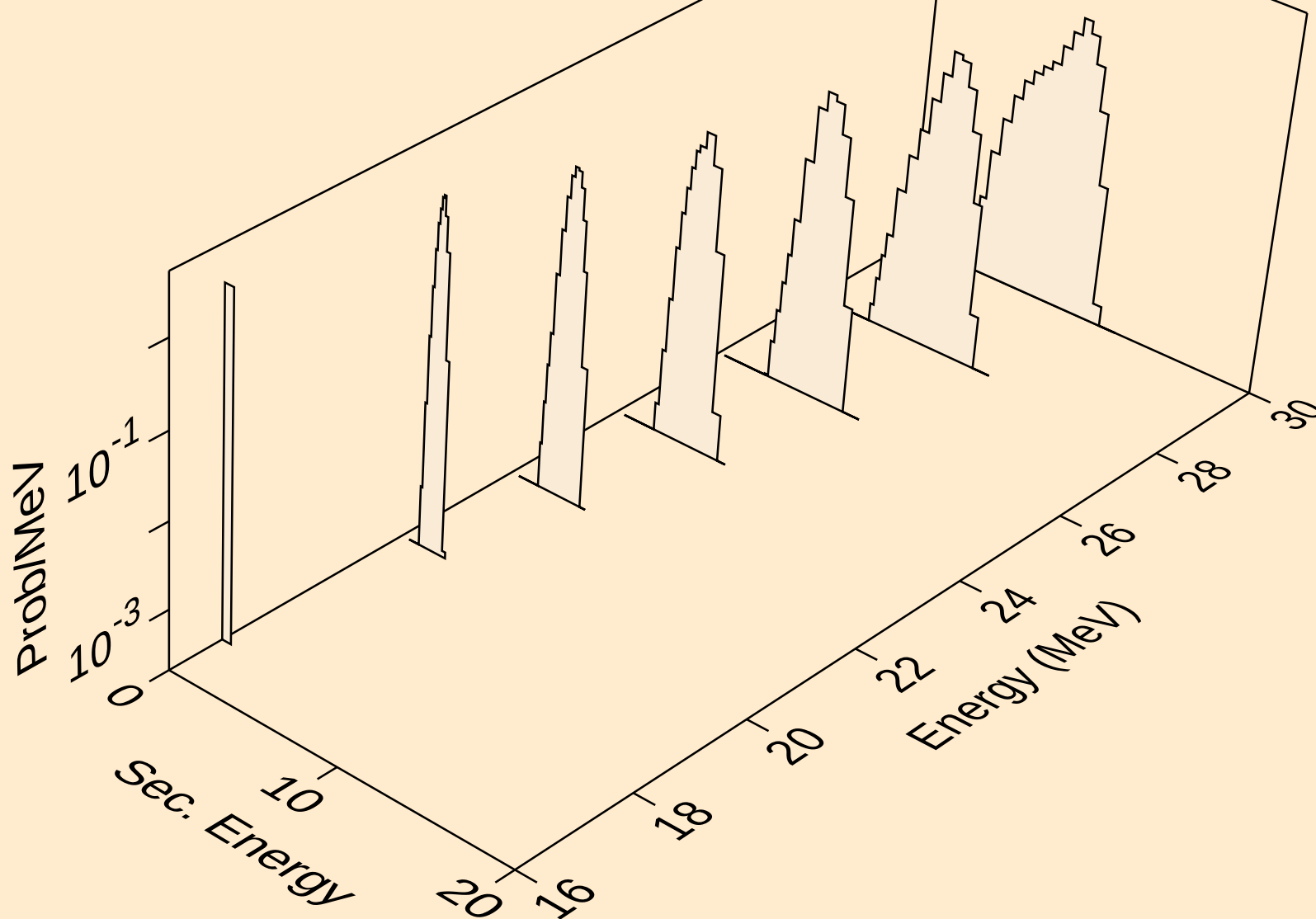
ZR088 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,n\*)t



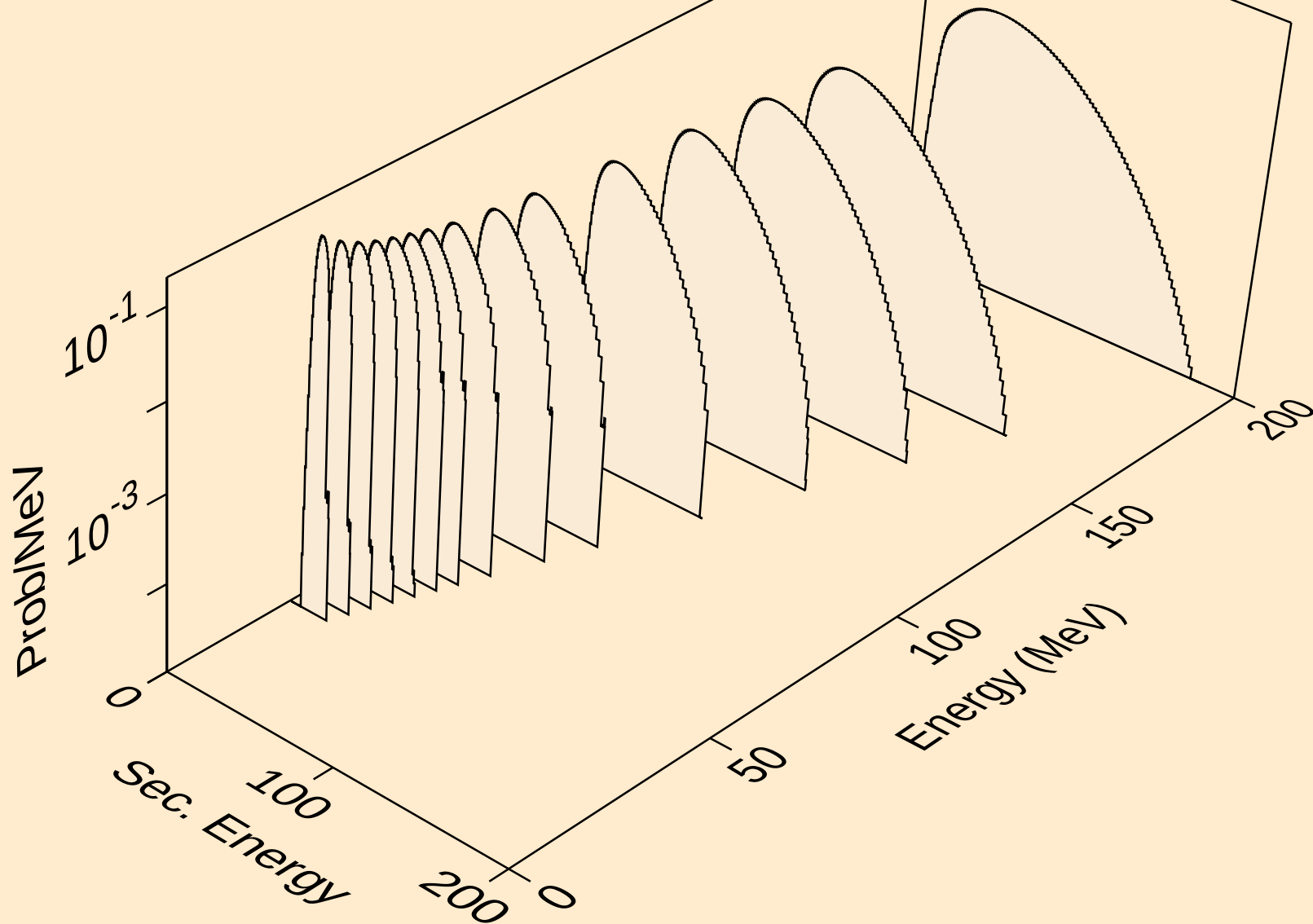
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tritons from (n,t)



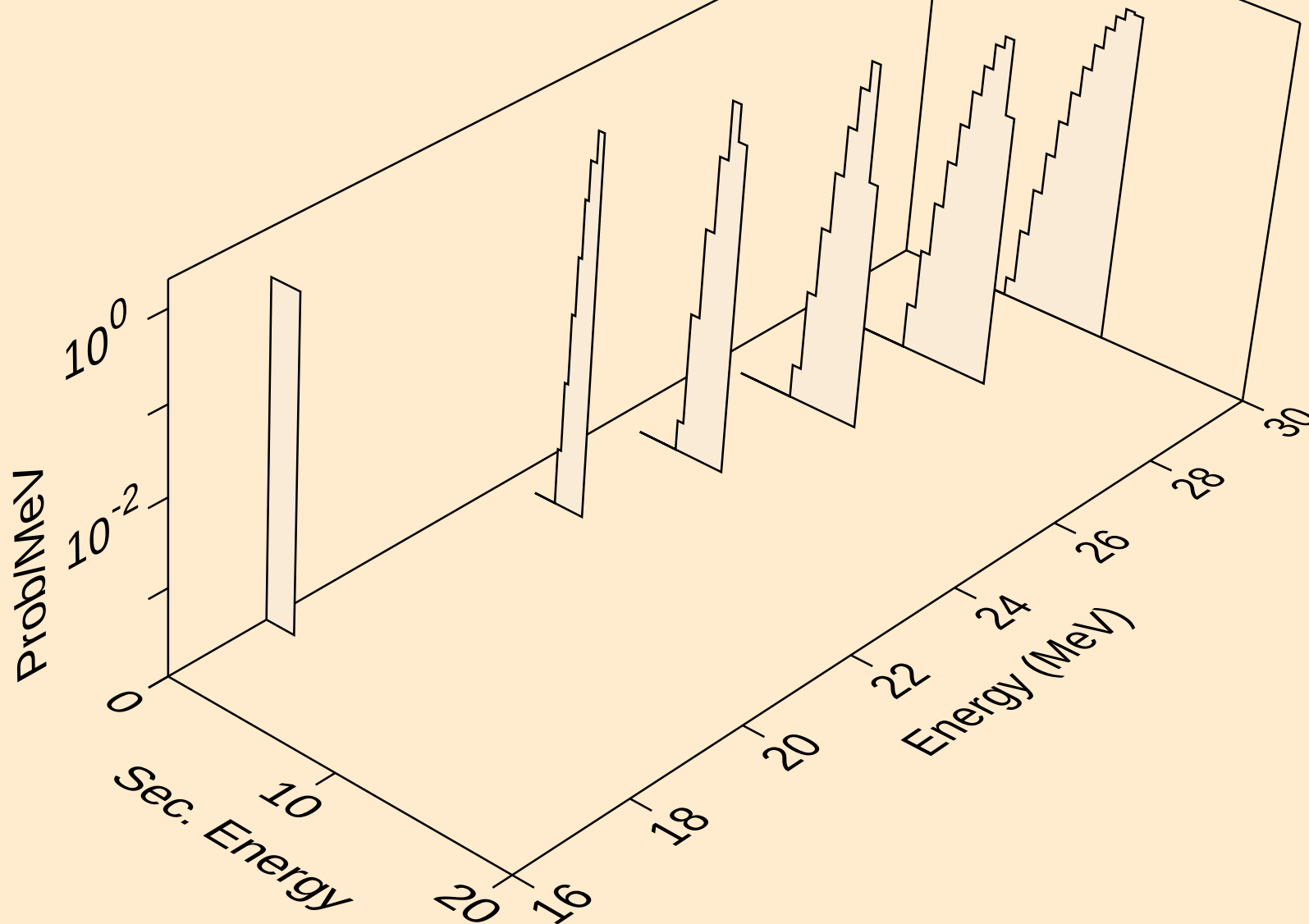
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tritons from (n,pt)



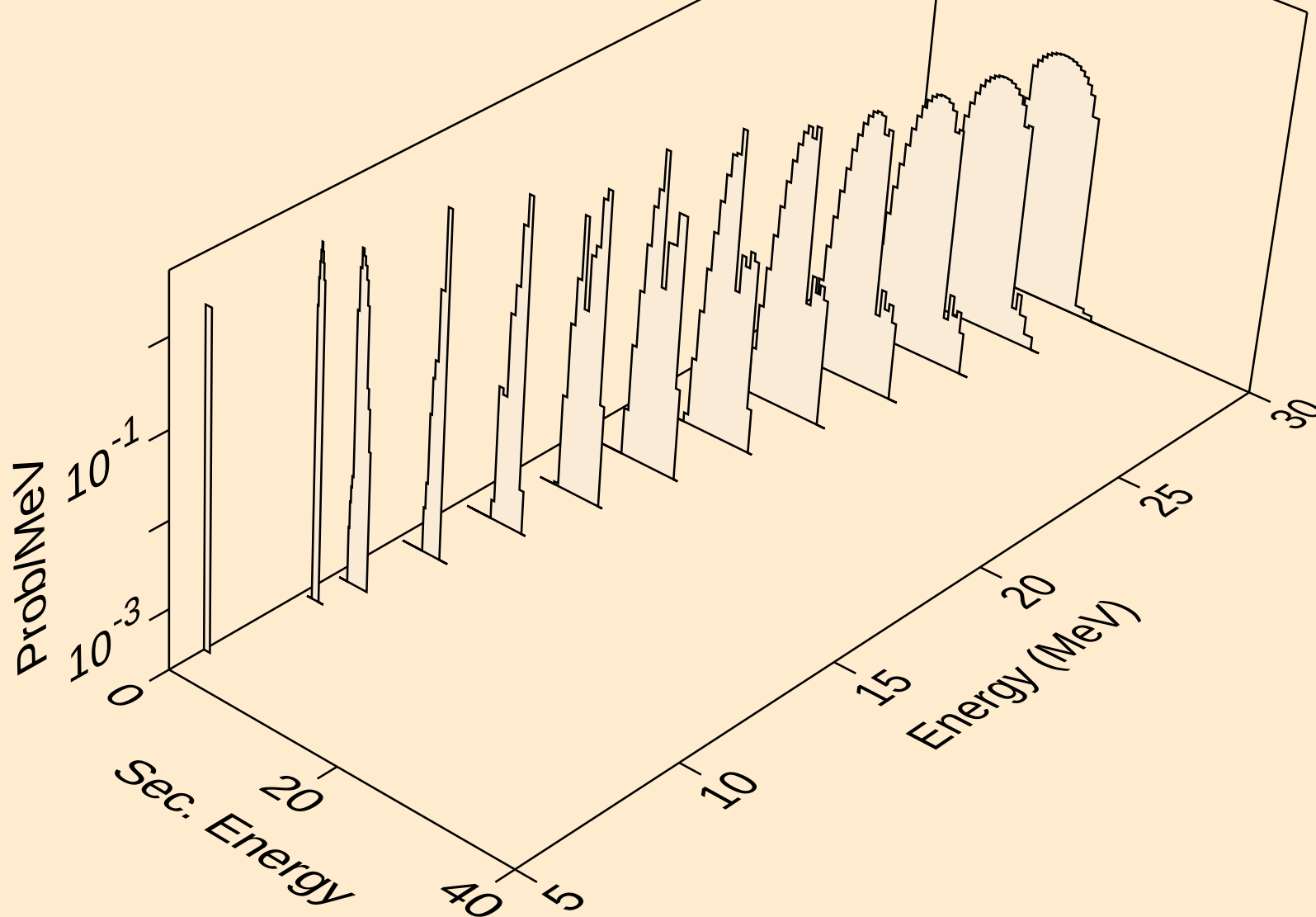
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he3s from (n,x)



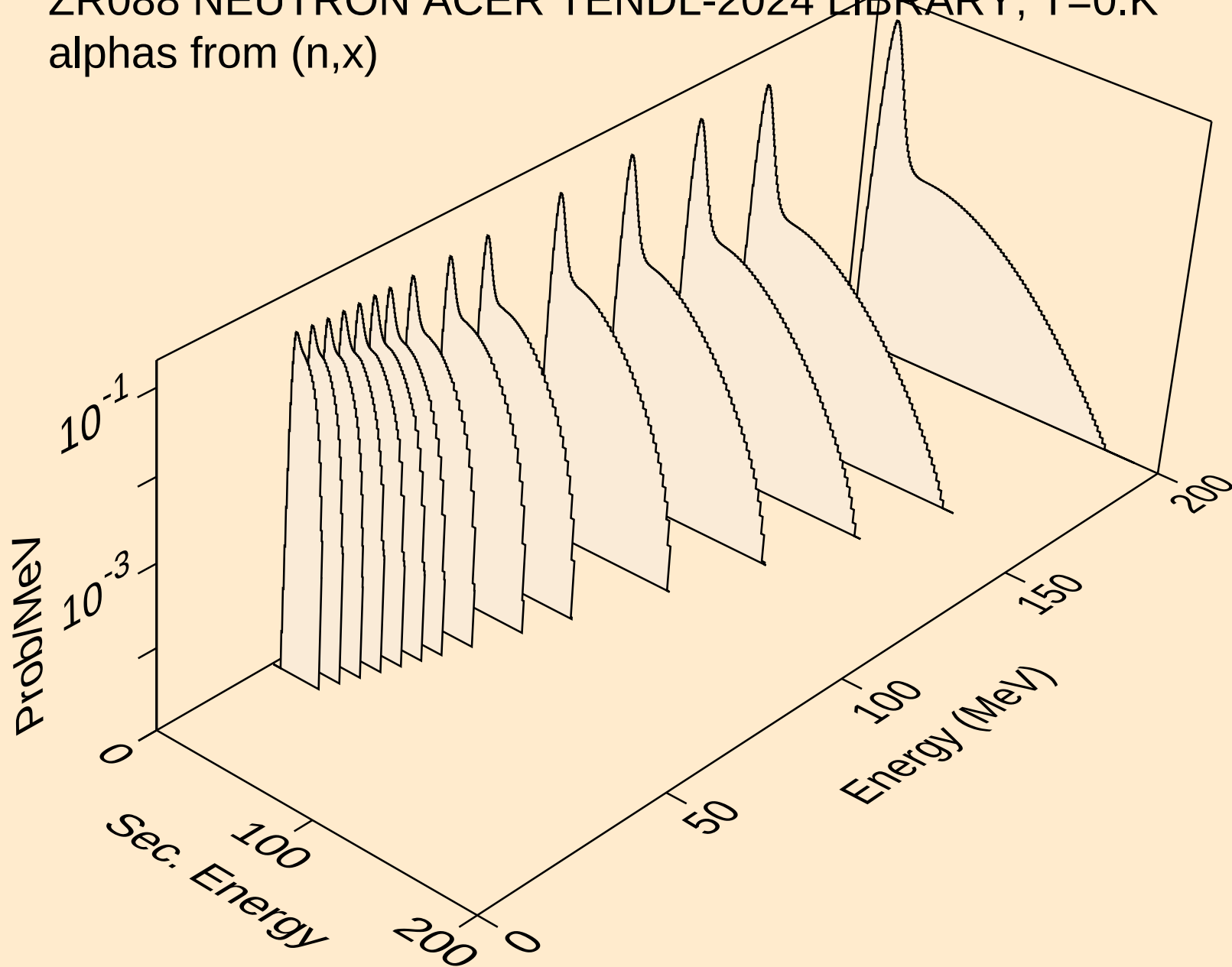
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he3s from (n,n\*)he3



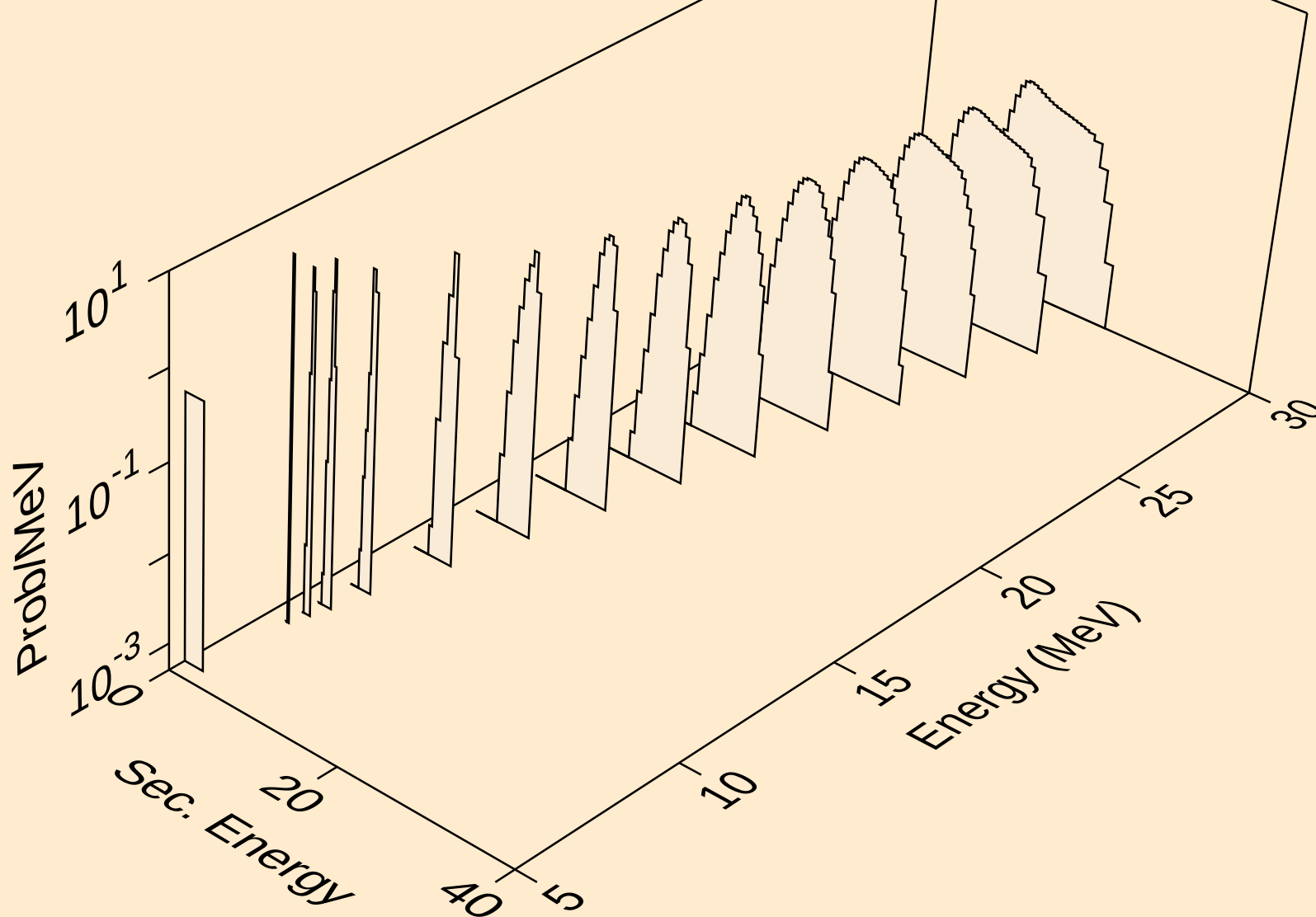
ZR088 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,he3)



ZR088 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,x)

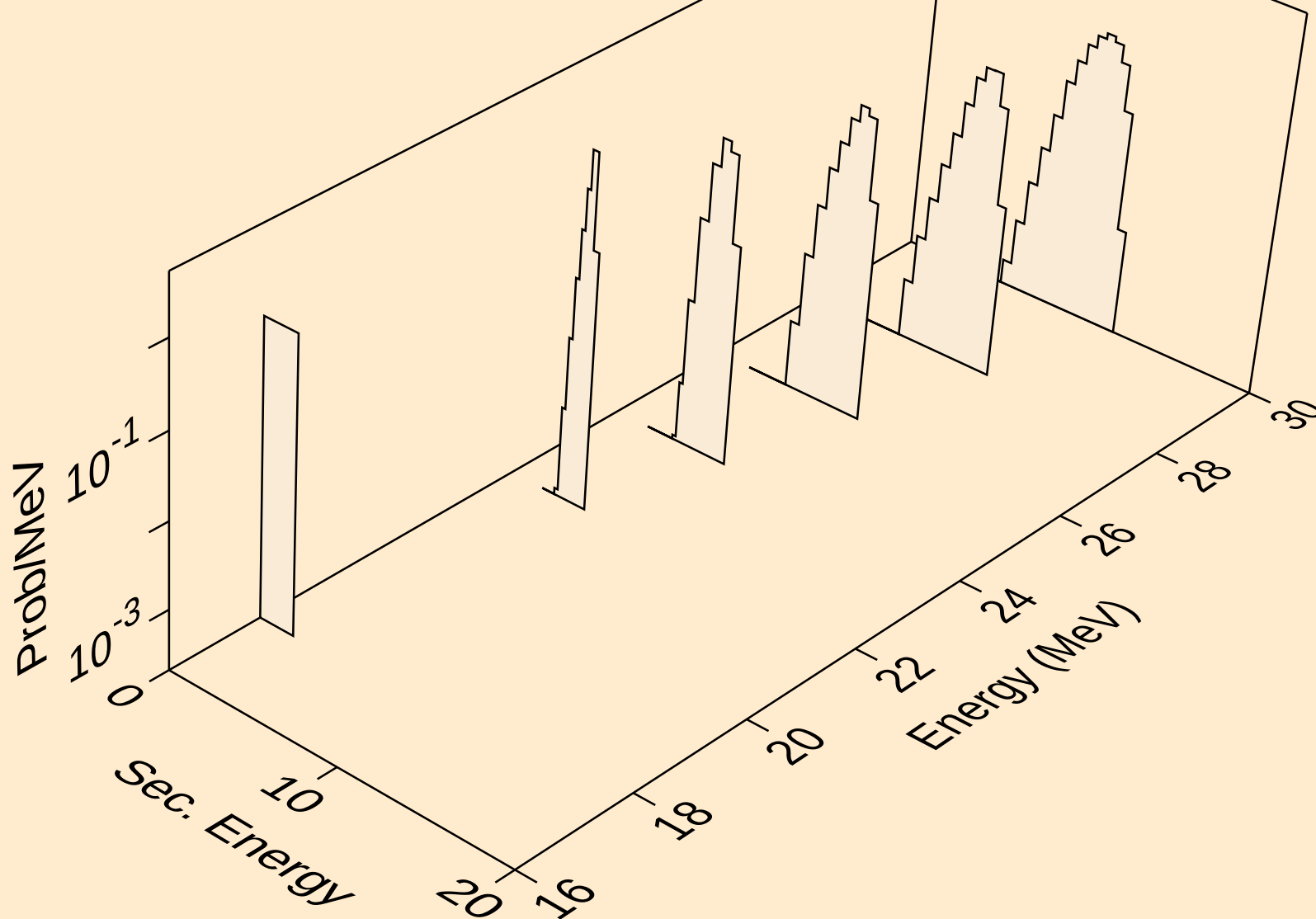


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alphas from (n,n\*)a

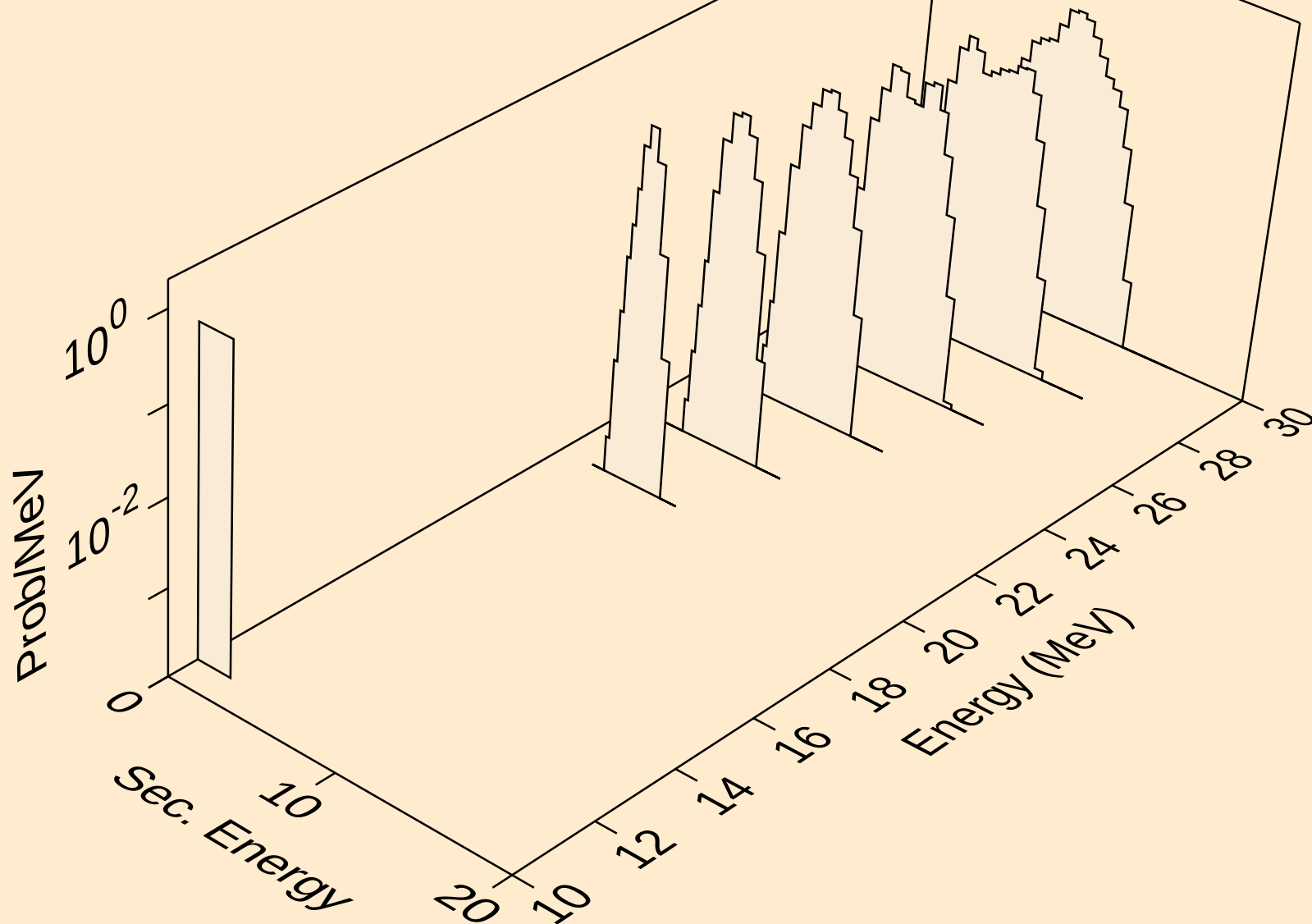




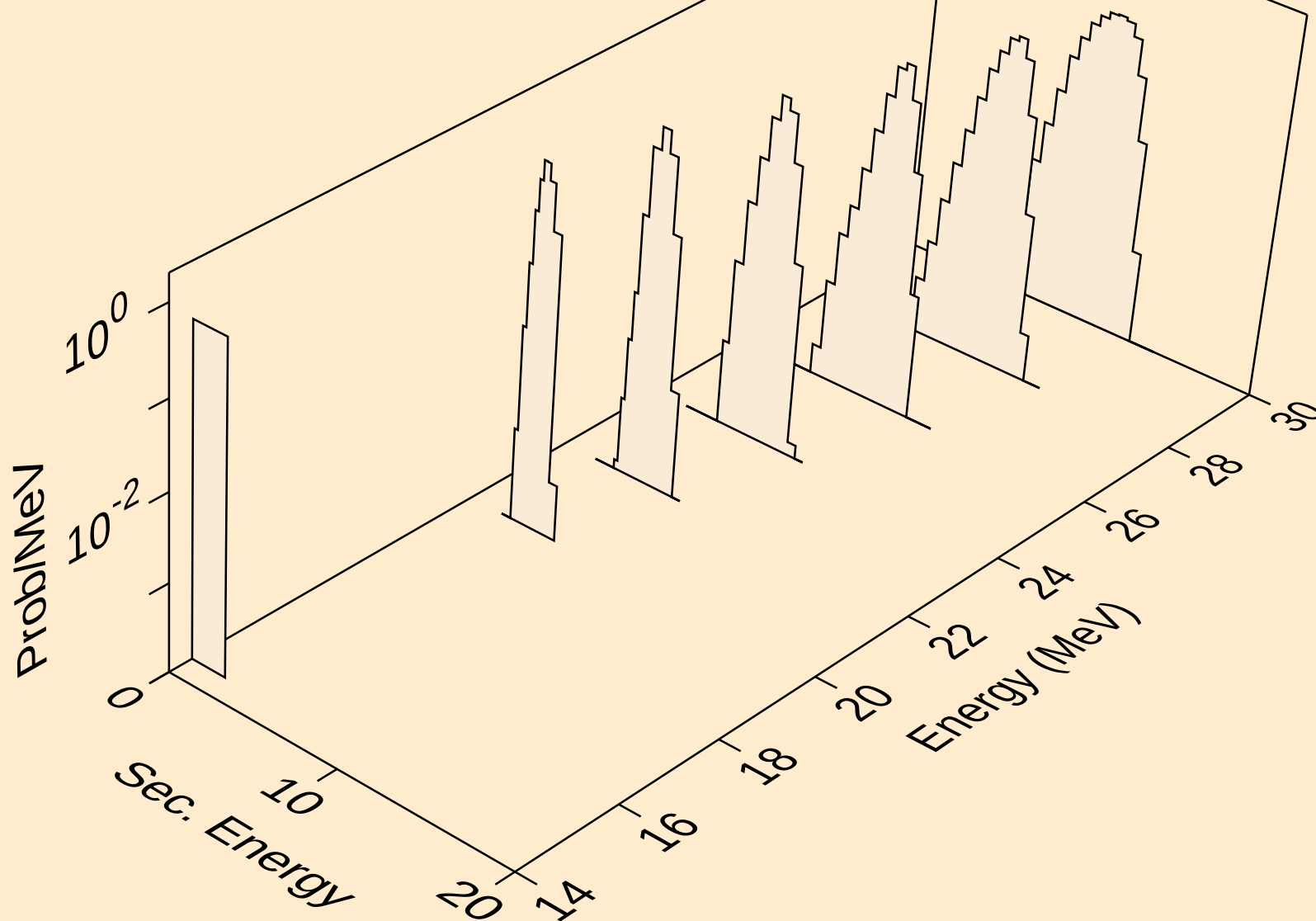
ZR088 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2n)a



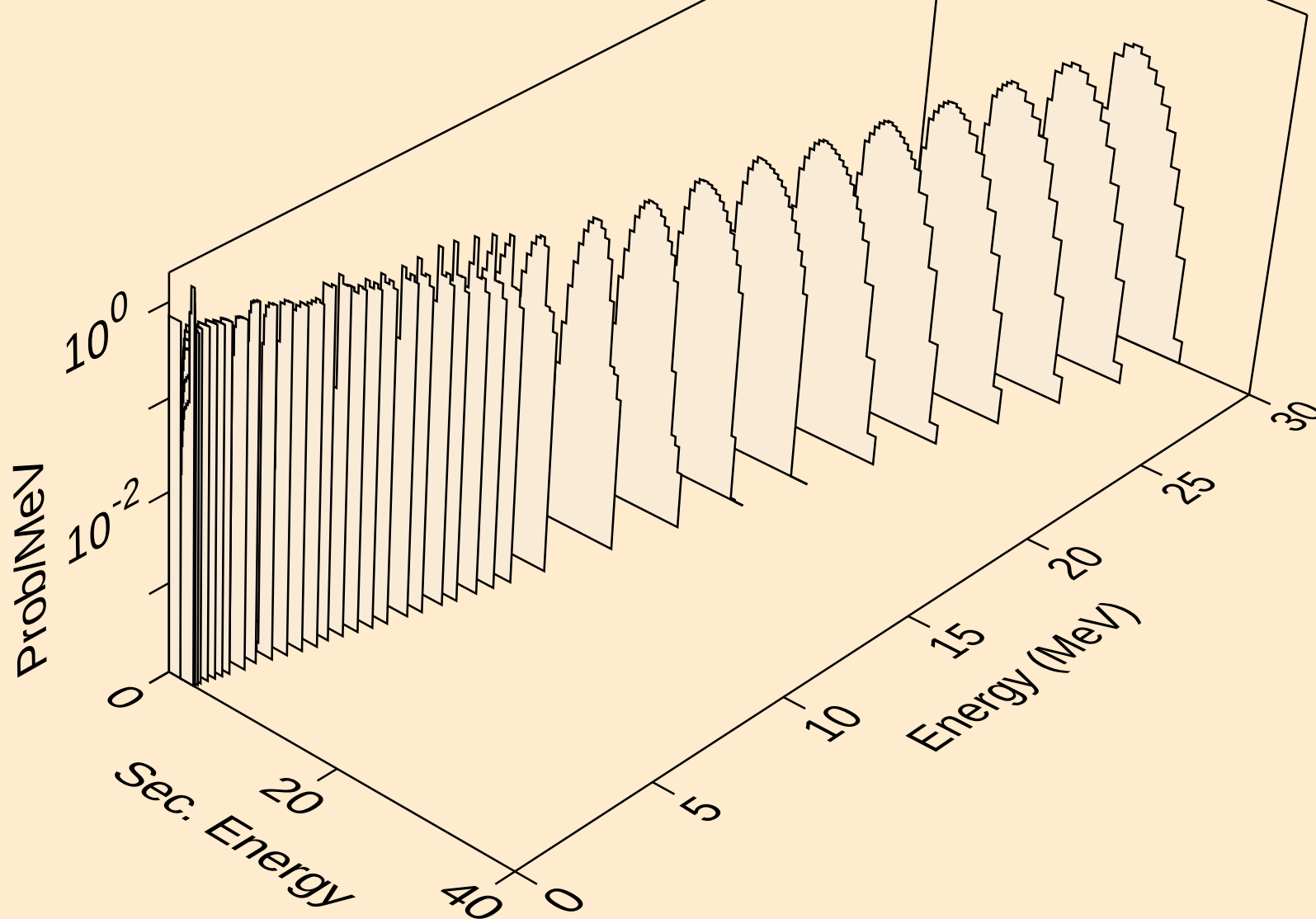
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alphas from (n,n\*)2a



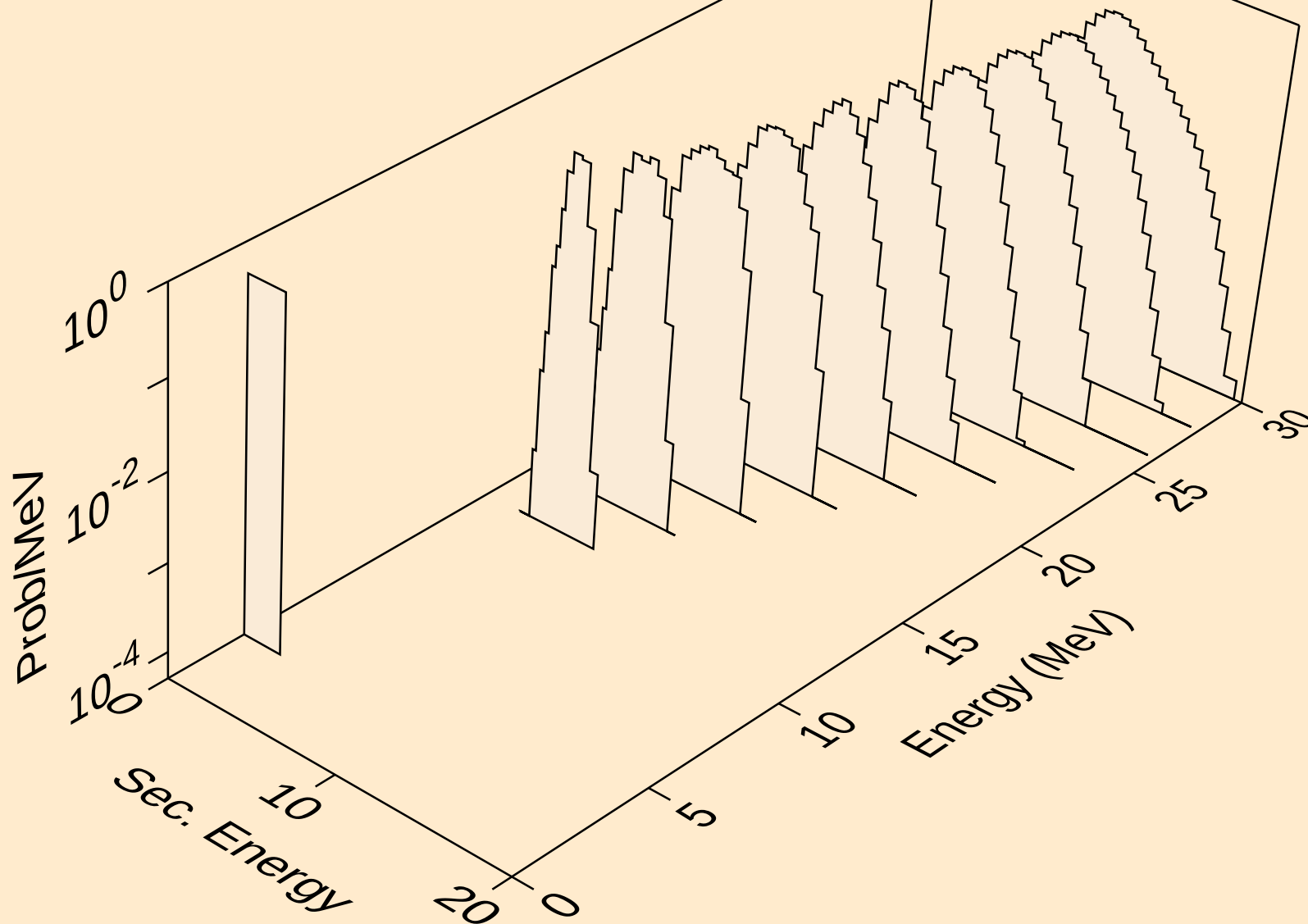
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alphas from (n,npa)



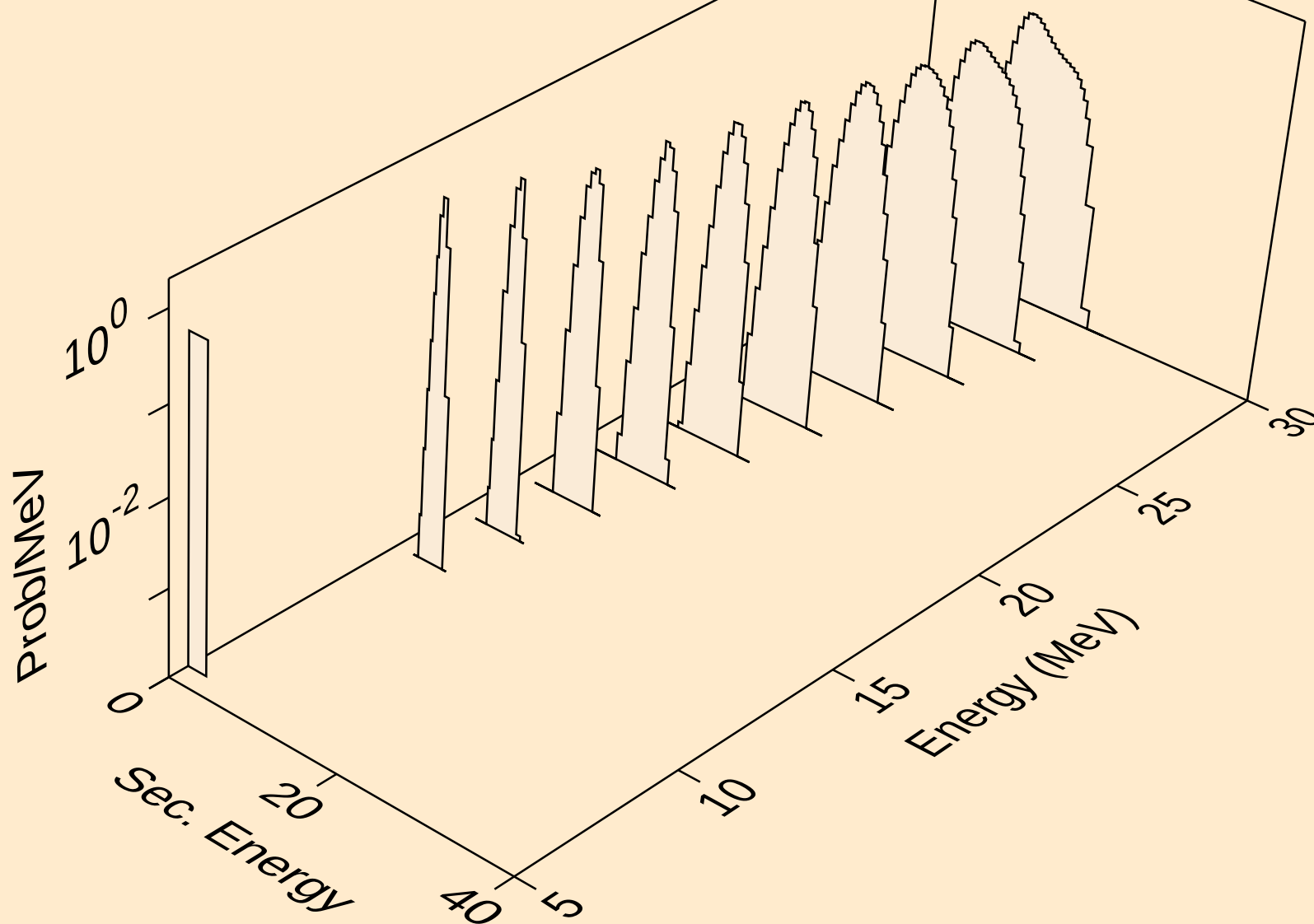
ZR088 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,a)



ZR088 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2a)



ZR088 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,pa)



ZR088 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,da)

