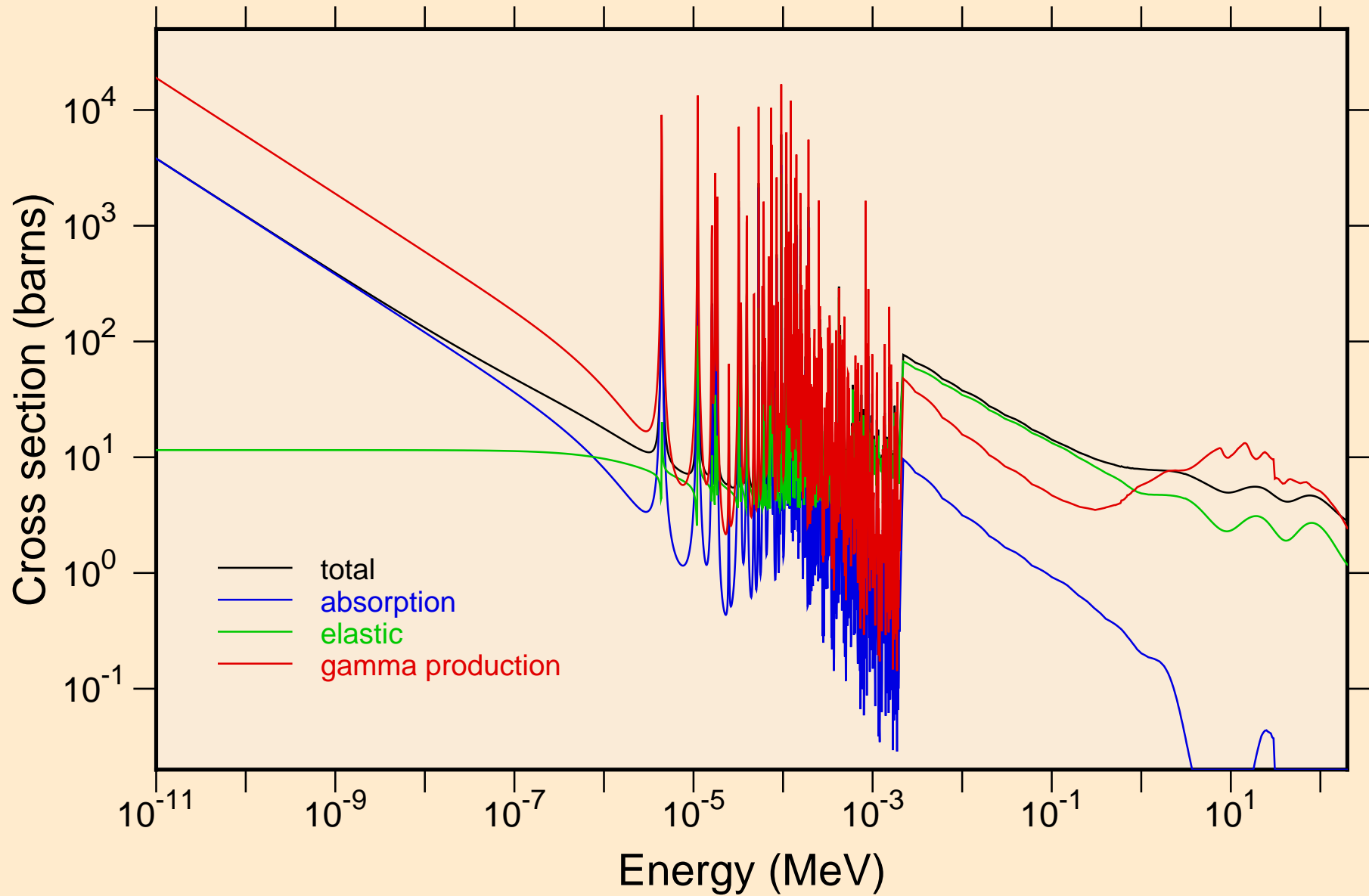
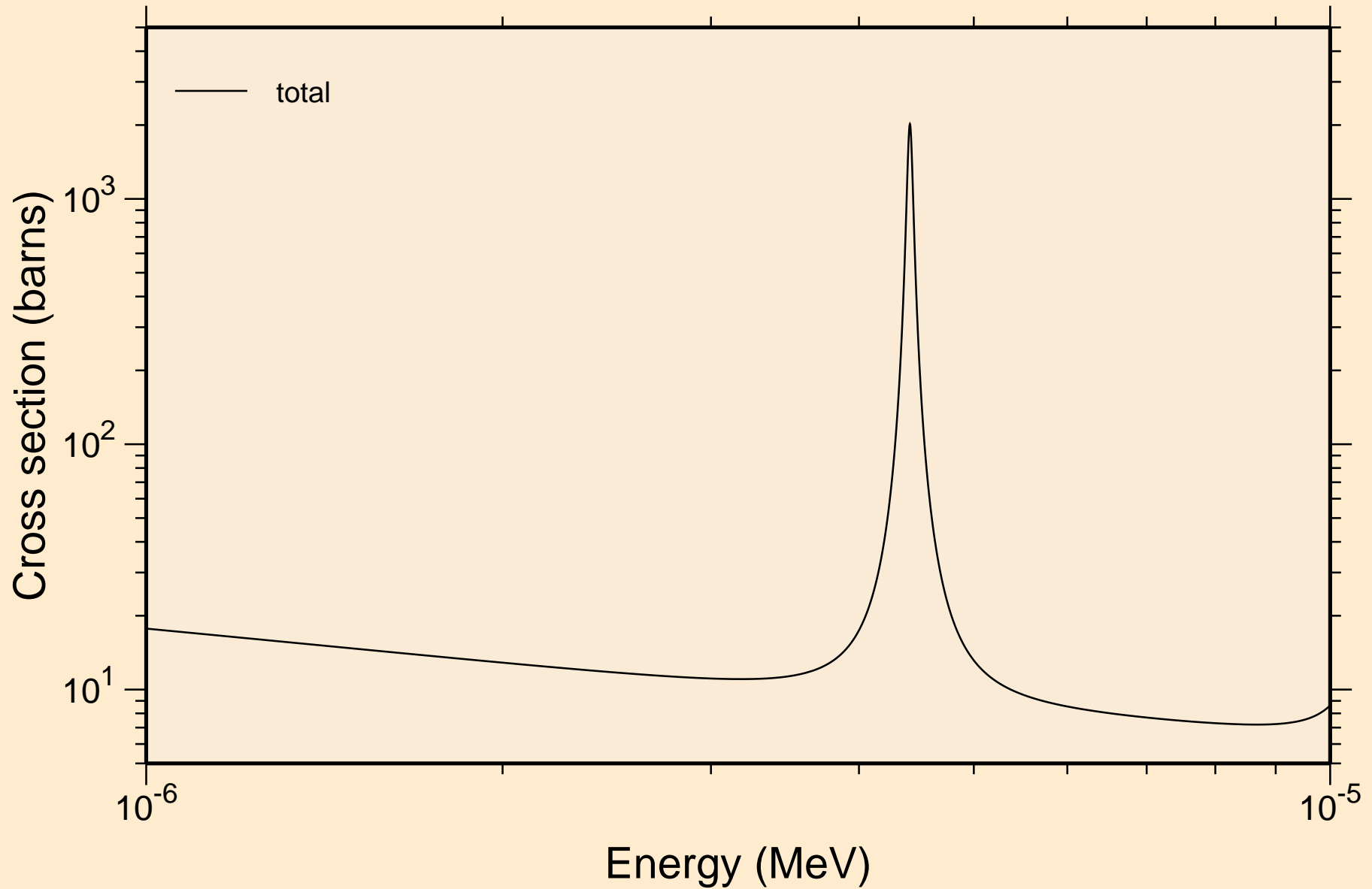


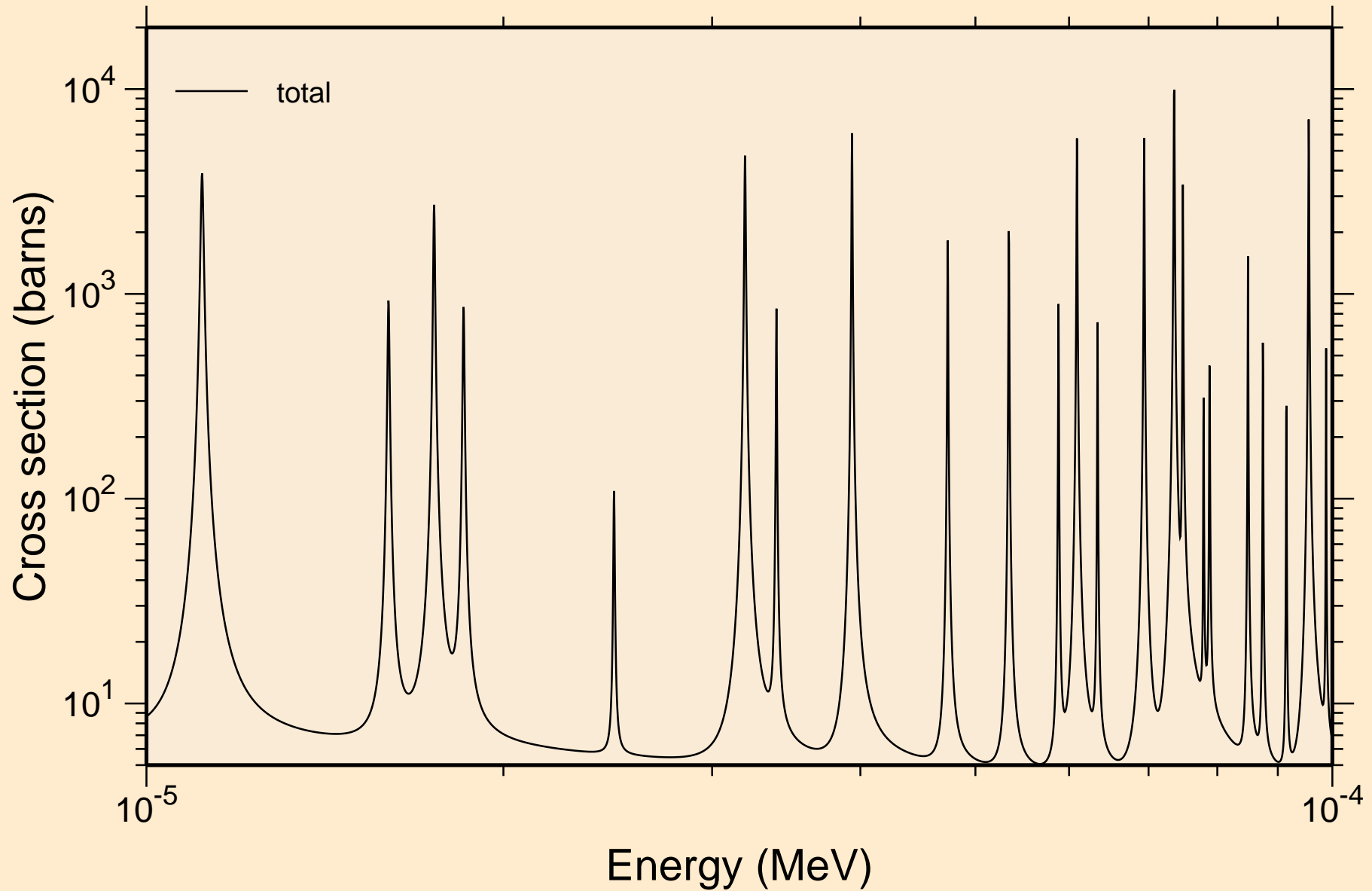
RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Principal cross sections



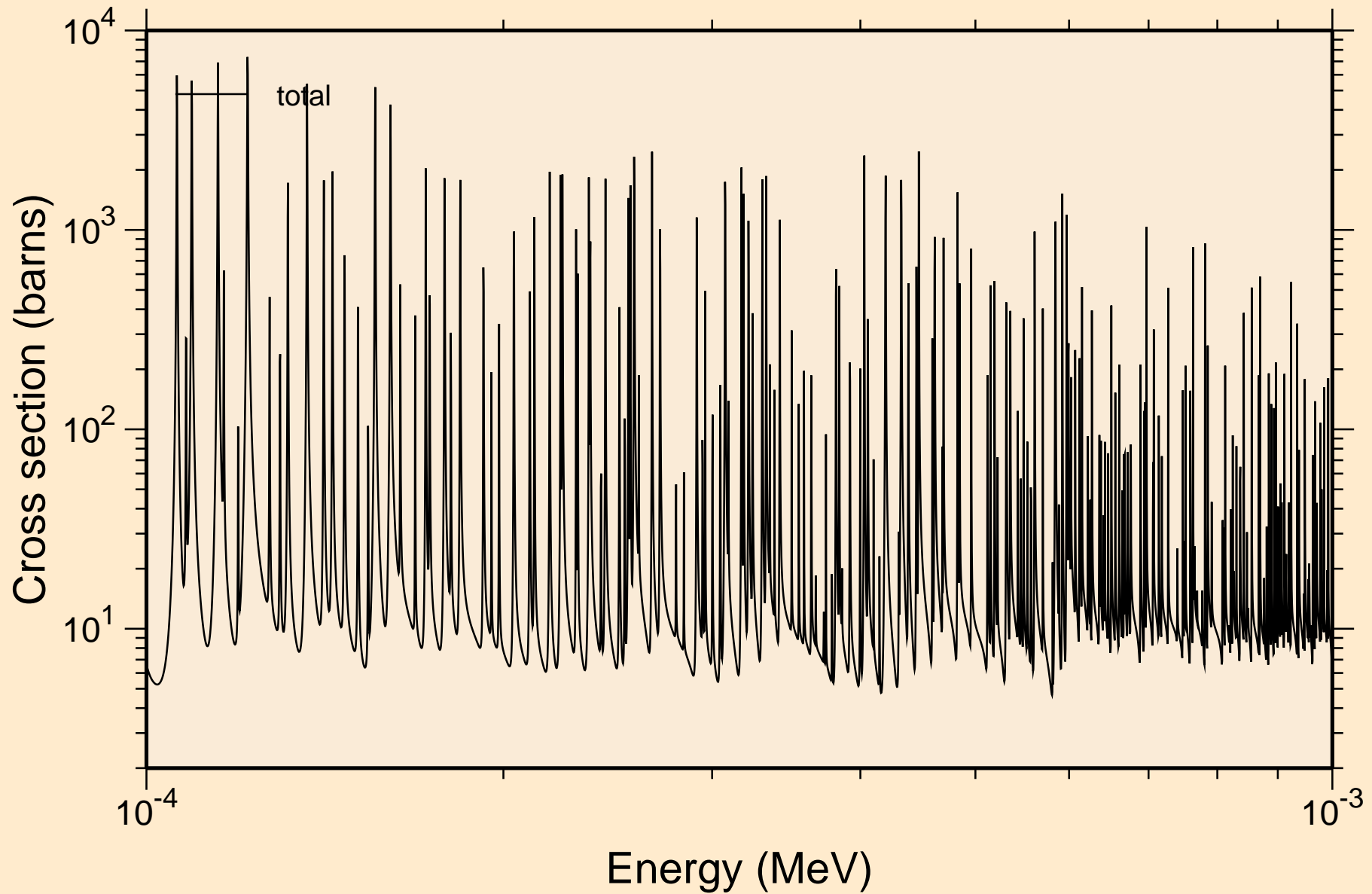
RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



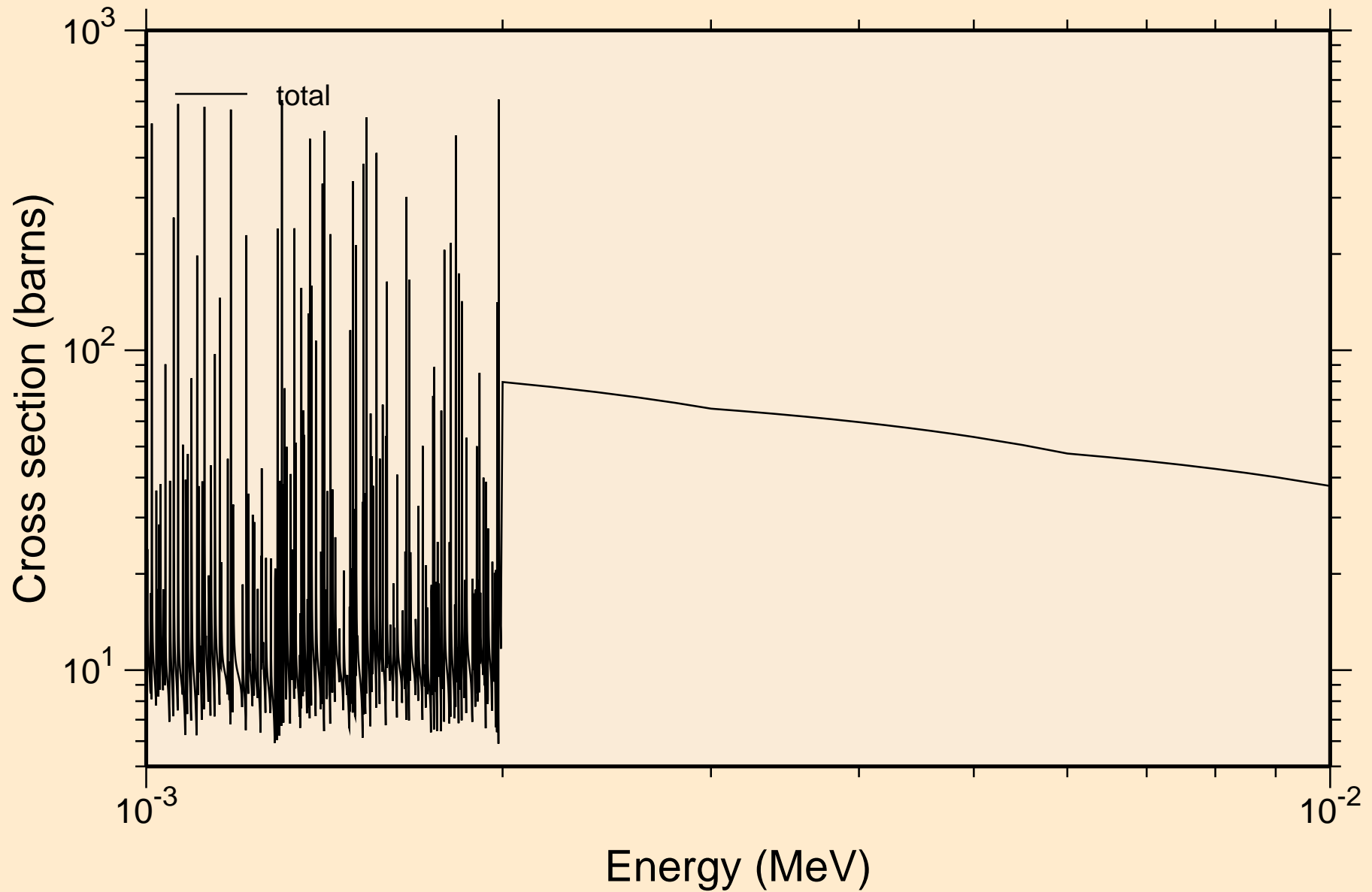
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resonance total cross section



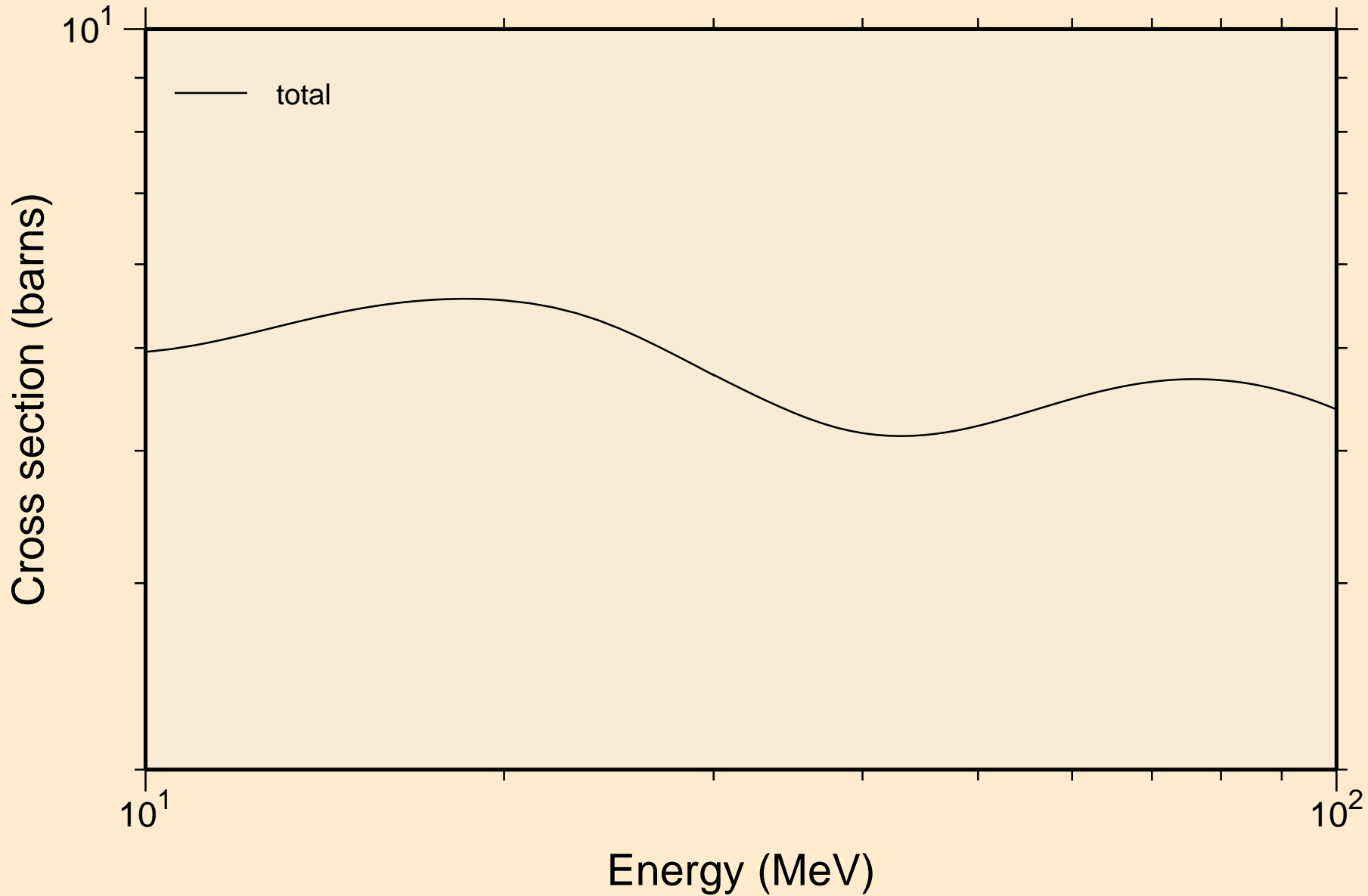
RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



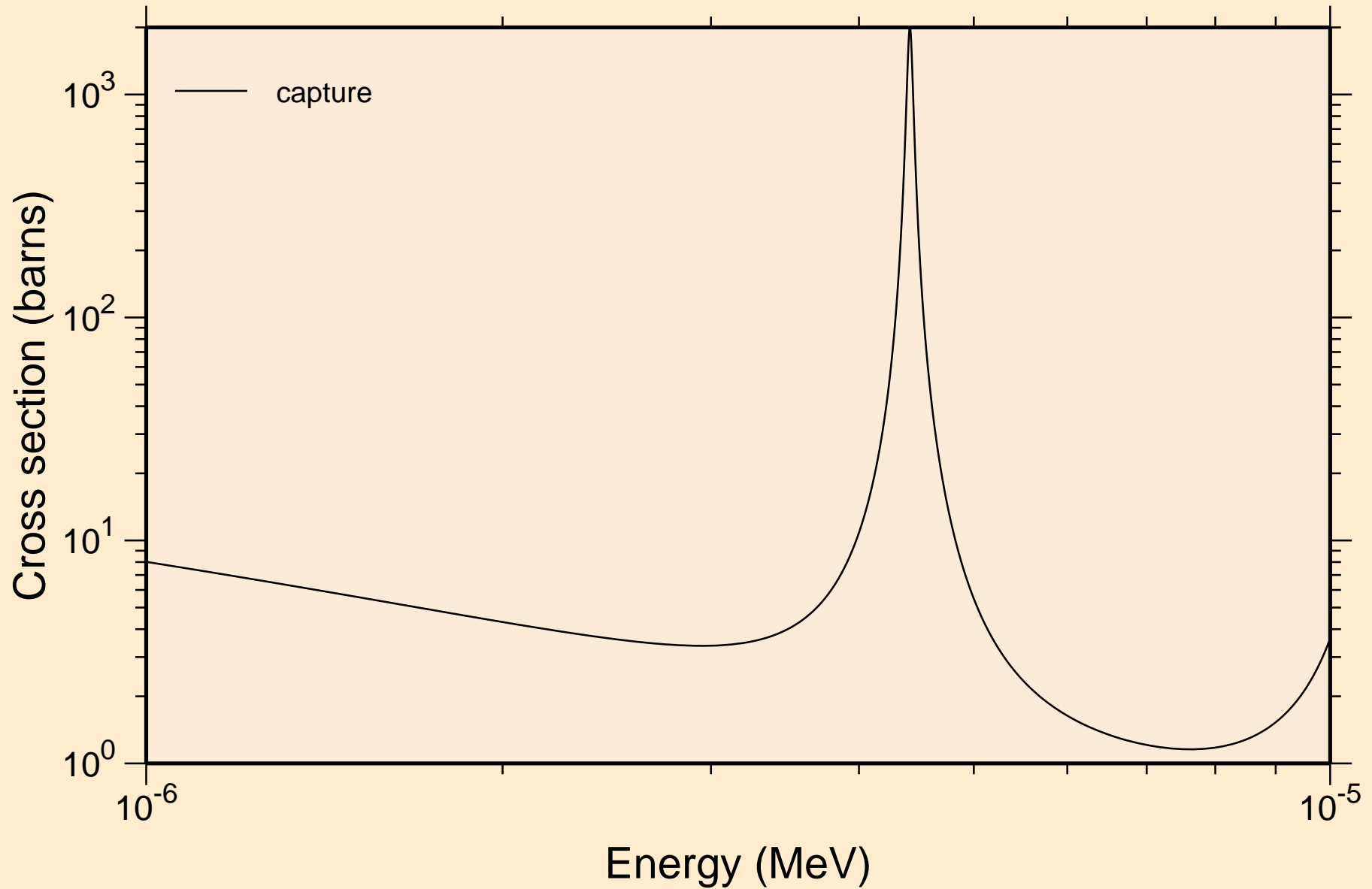
RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



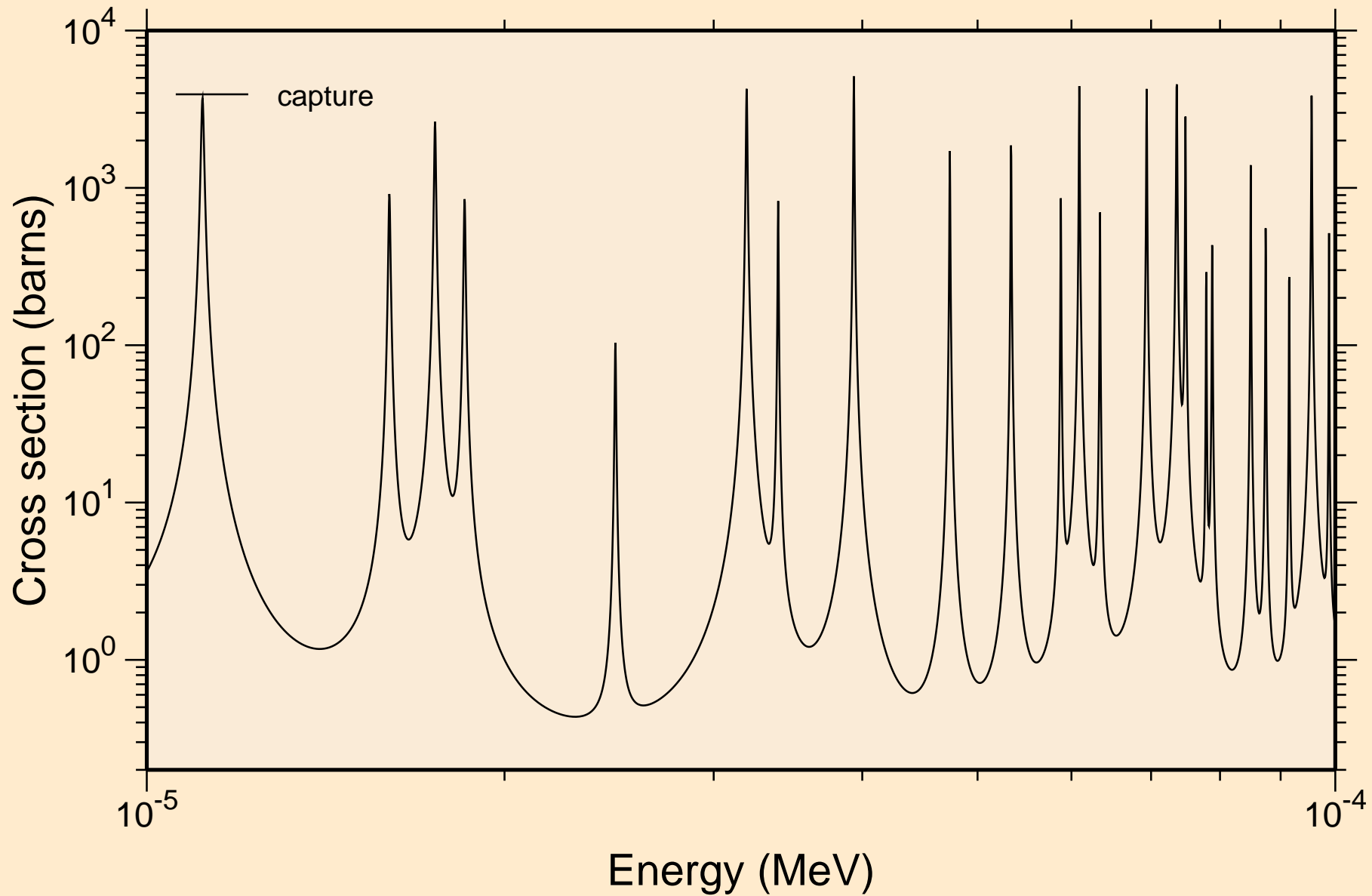
RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

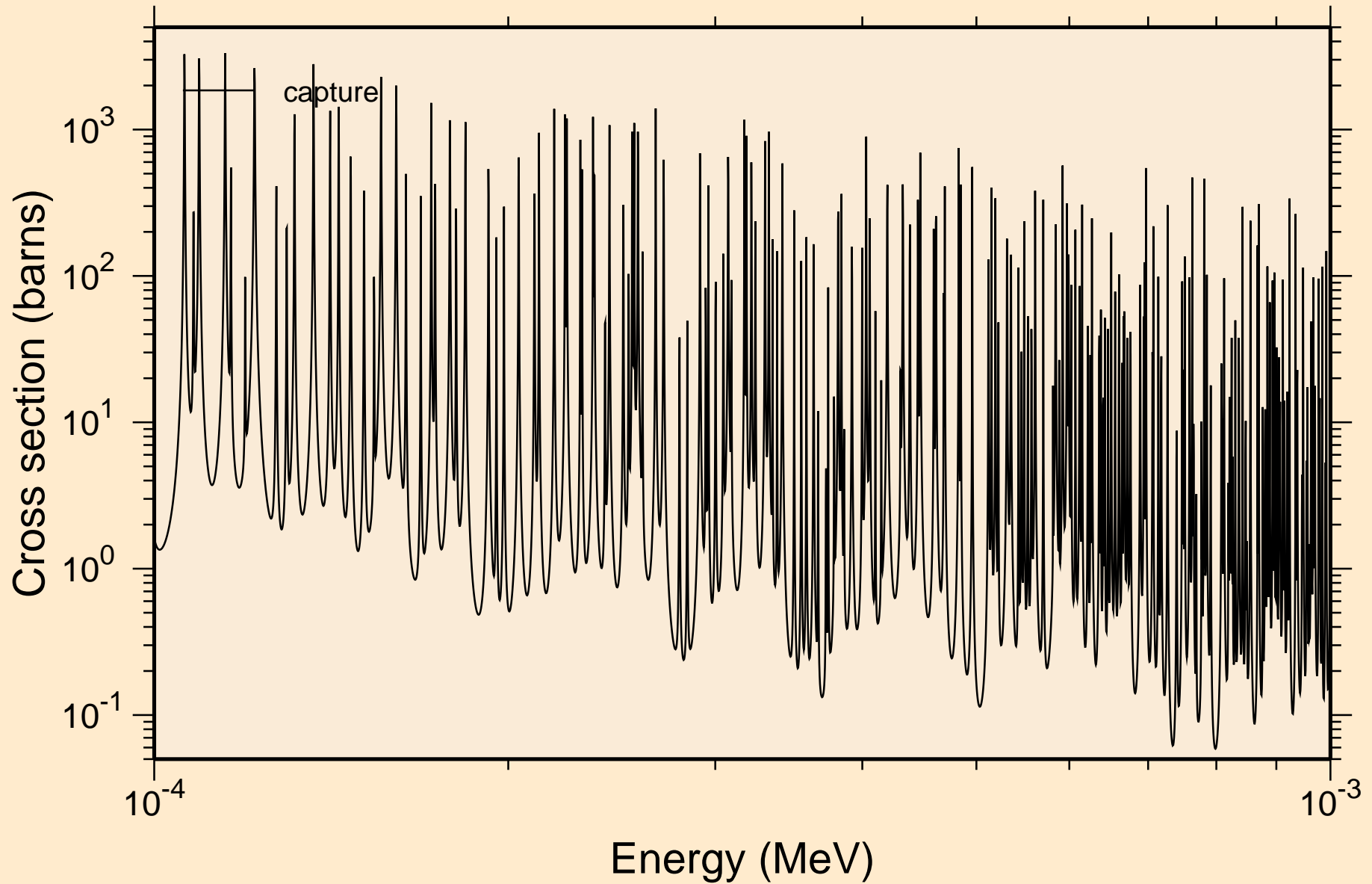


RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

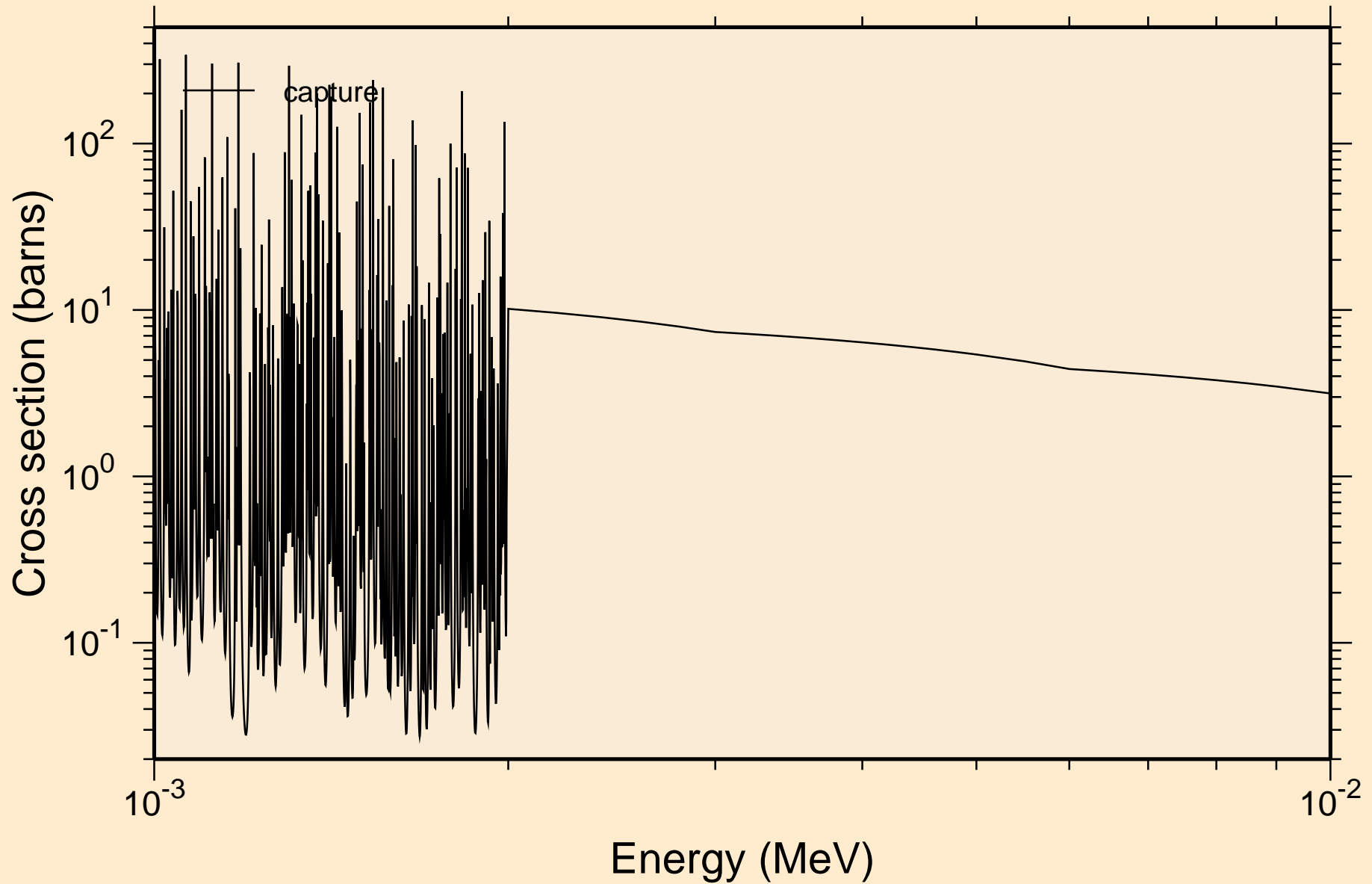




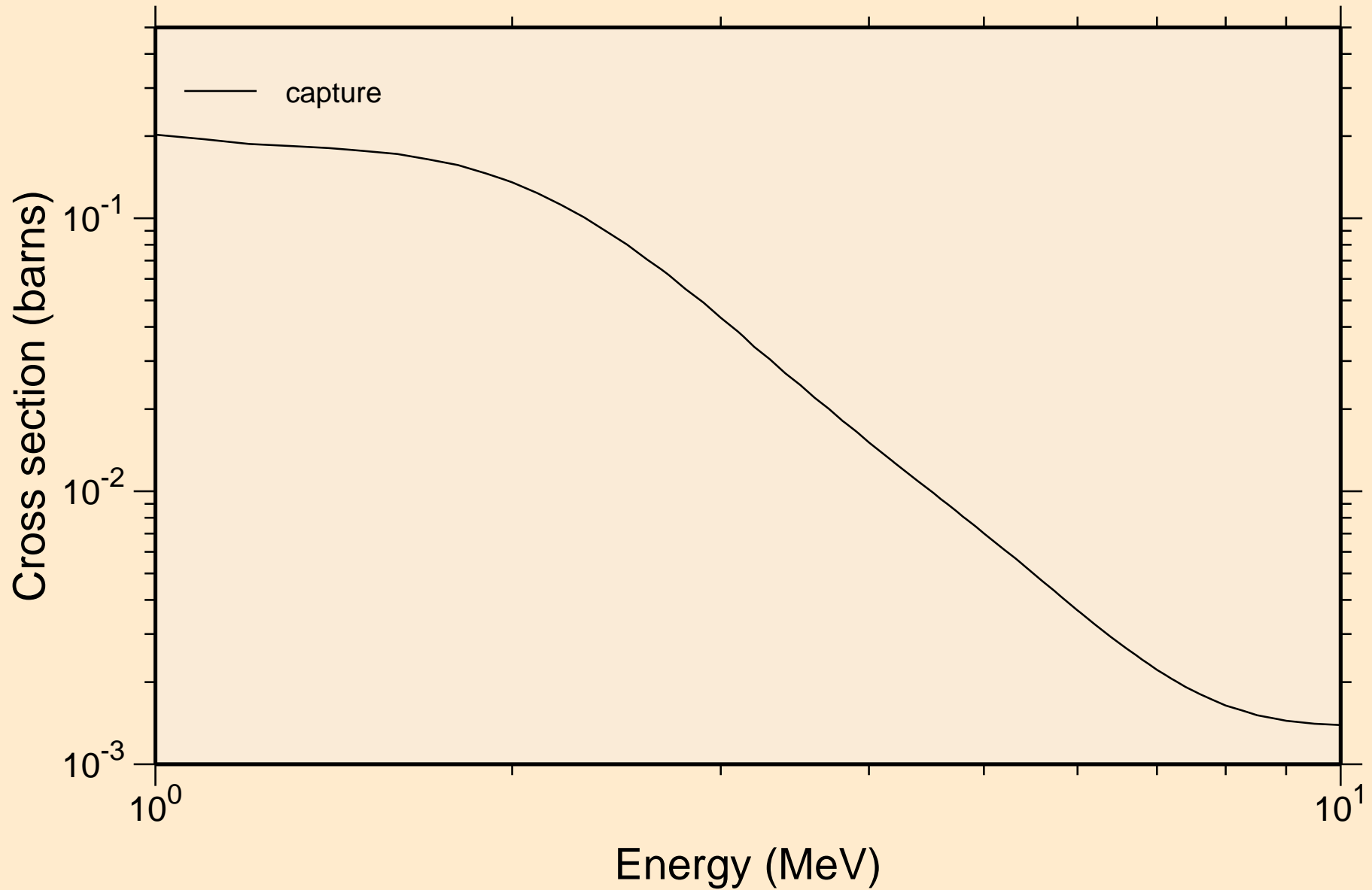
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resonance absorption cross sections



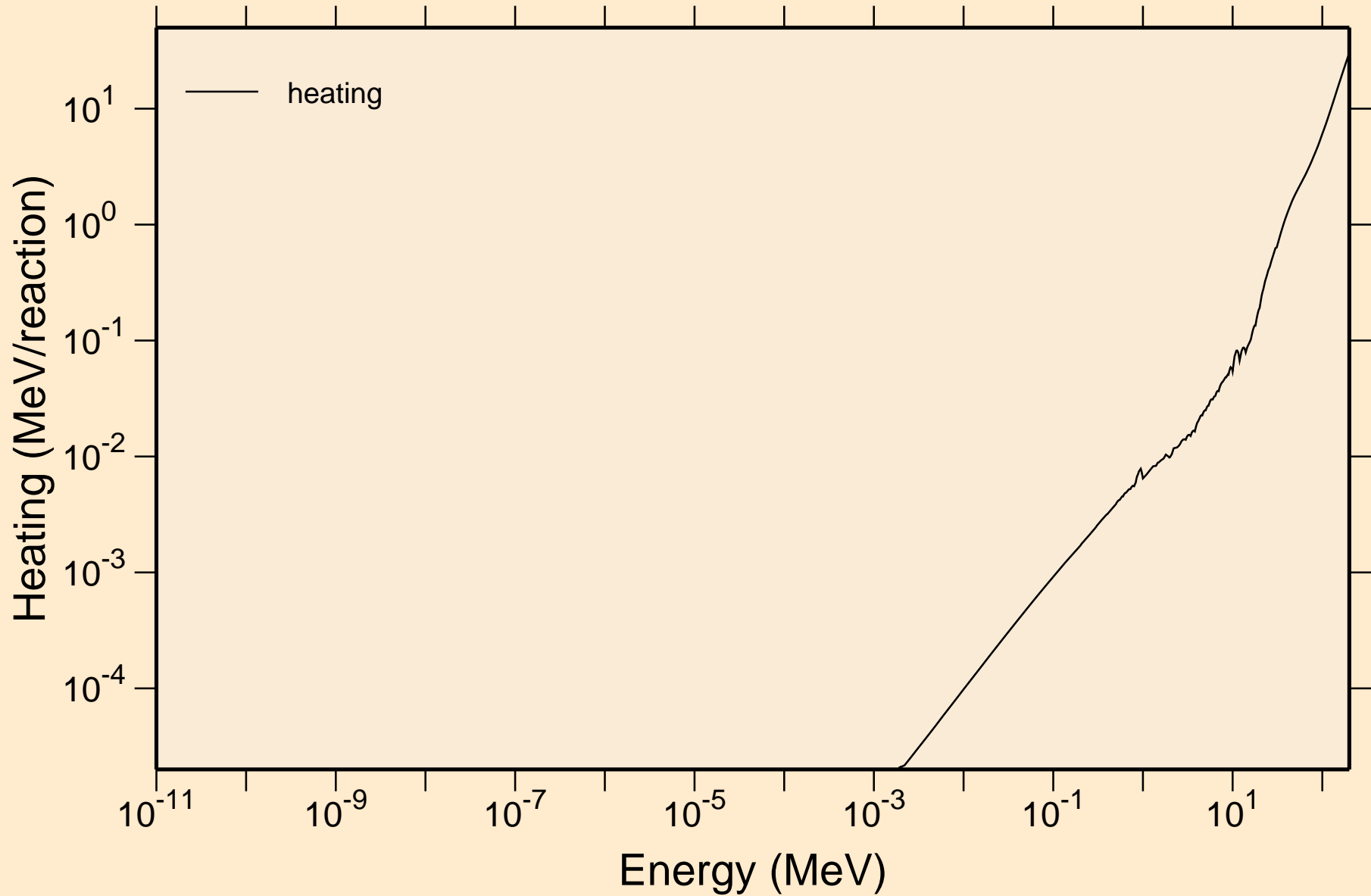
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resonance absorption cross sections



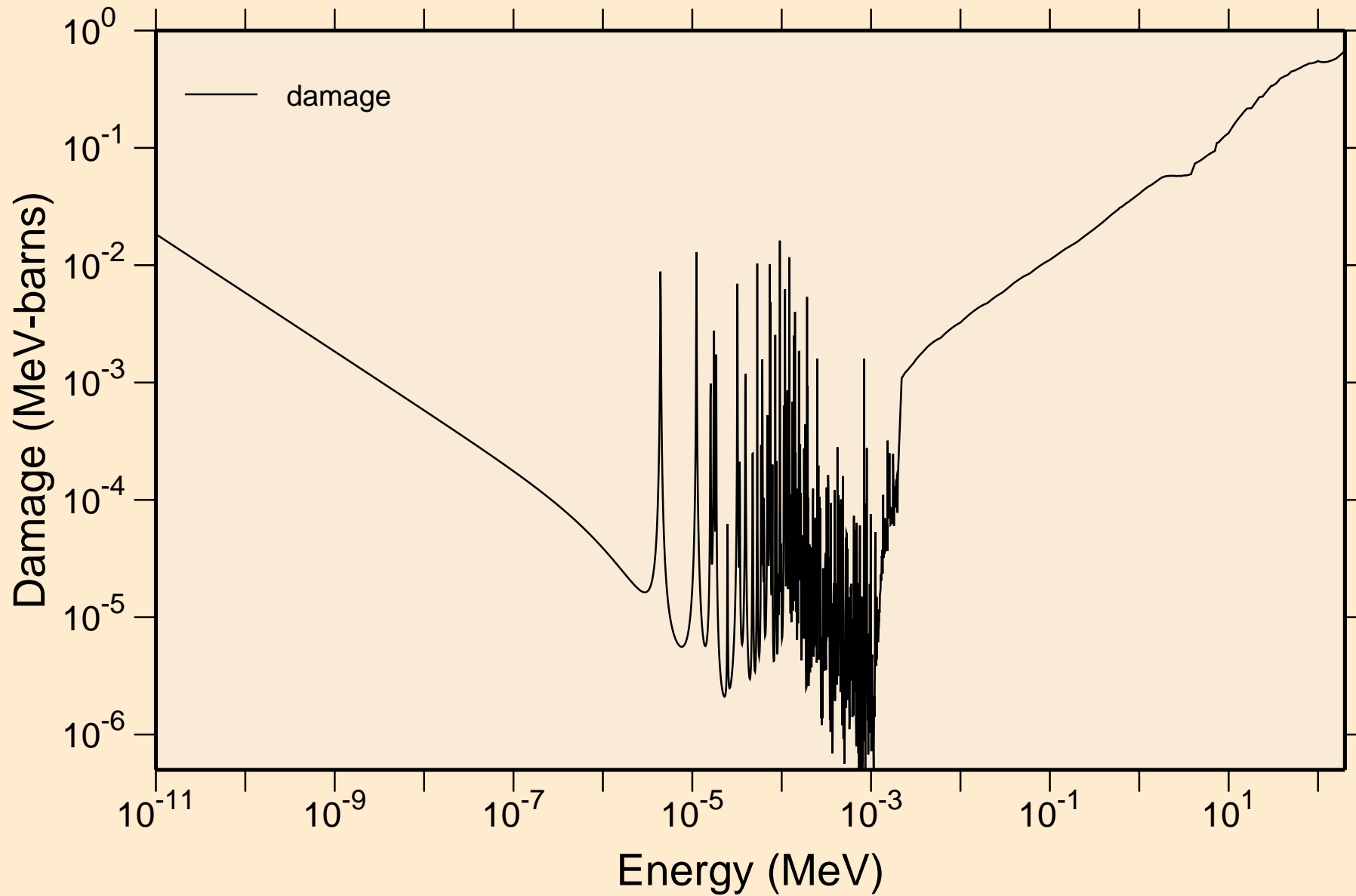
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resonance absorption cross sections



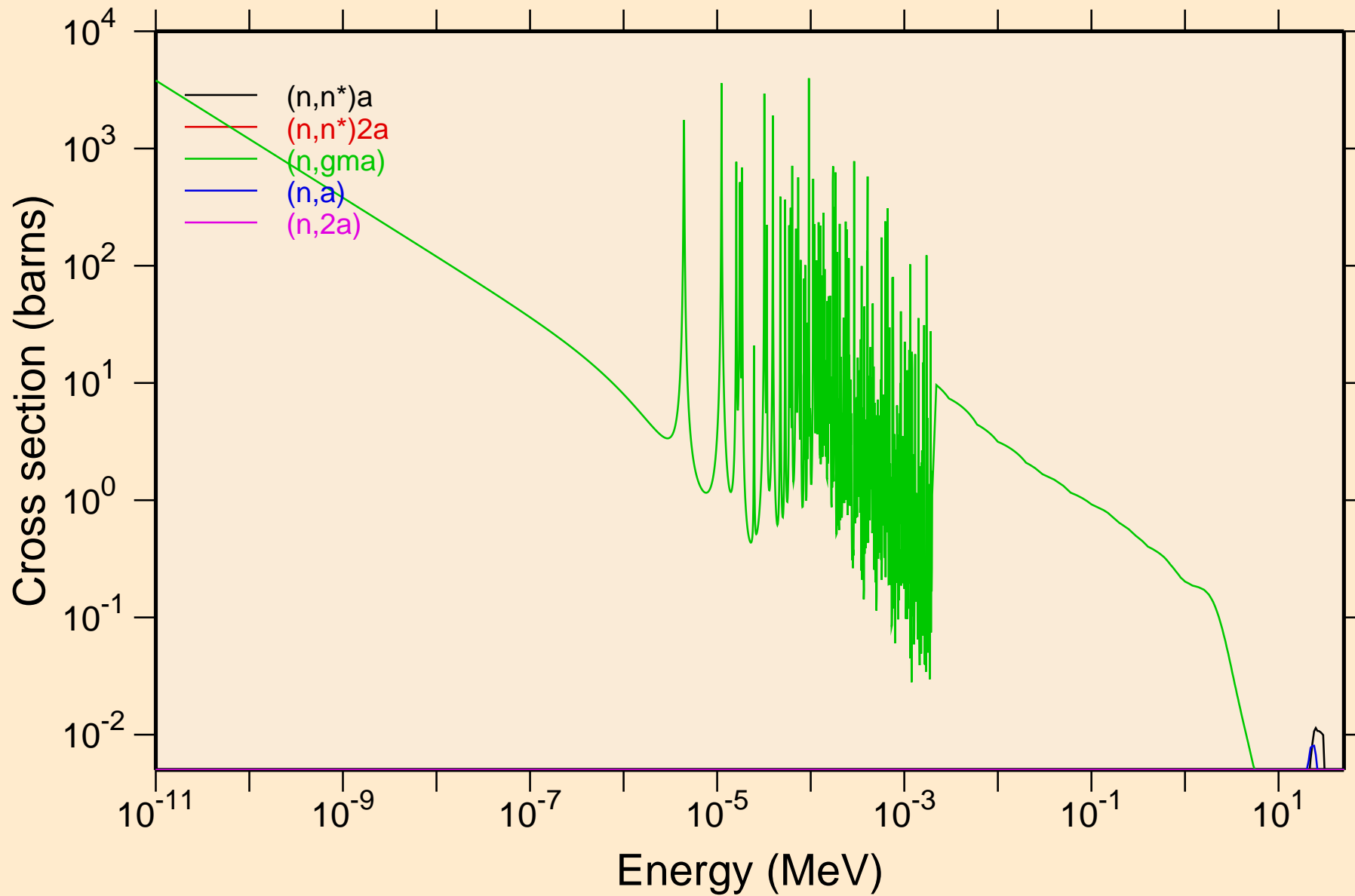
RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Heating



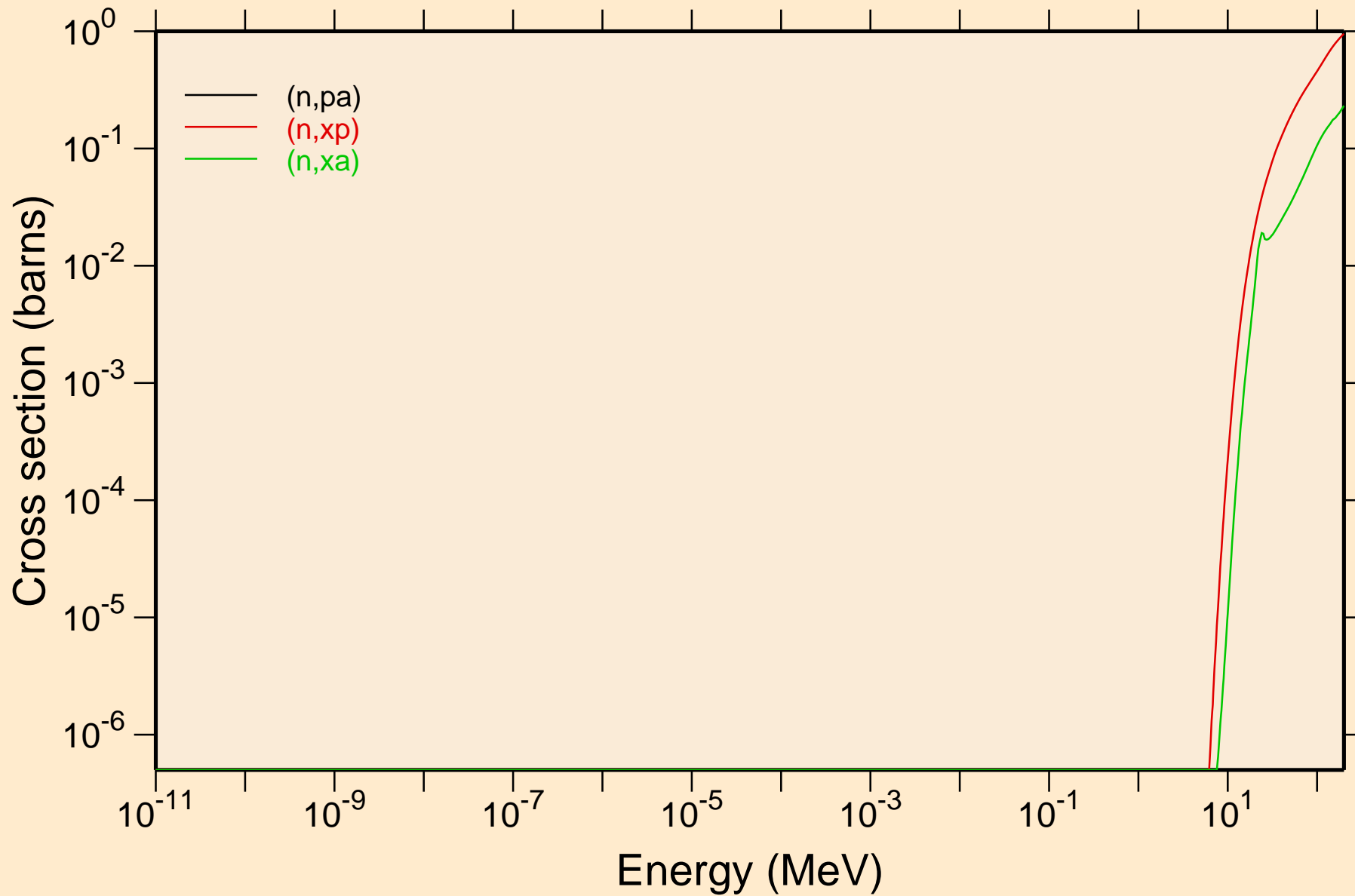
RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Damage



RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

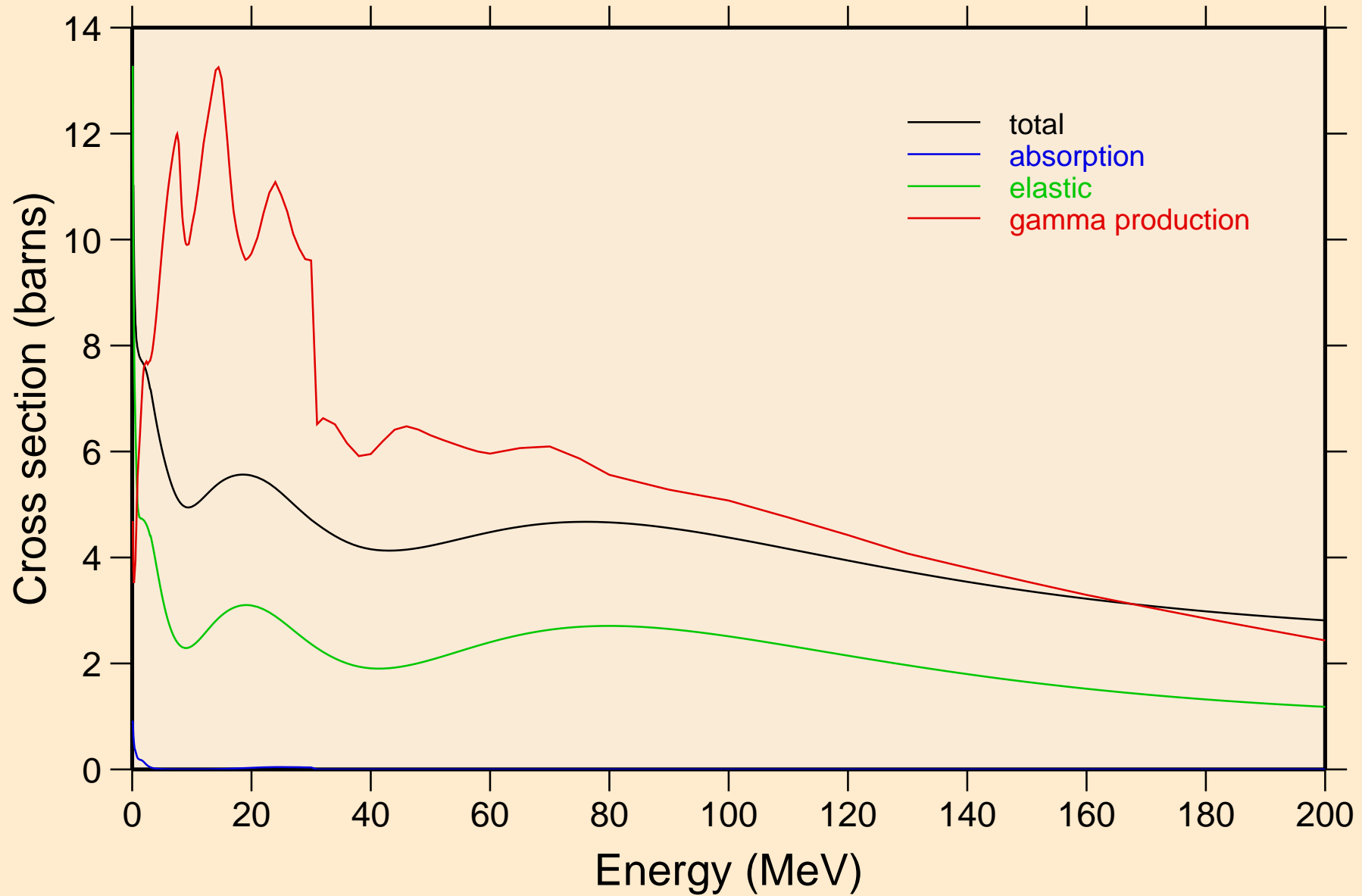


RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



# RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

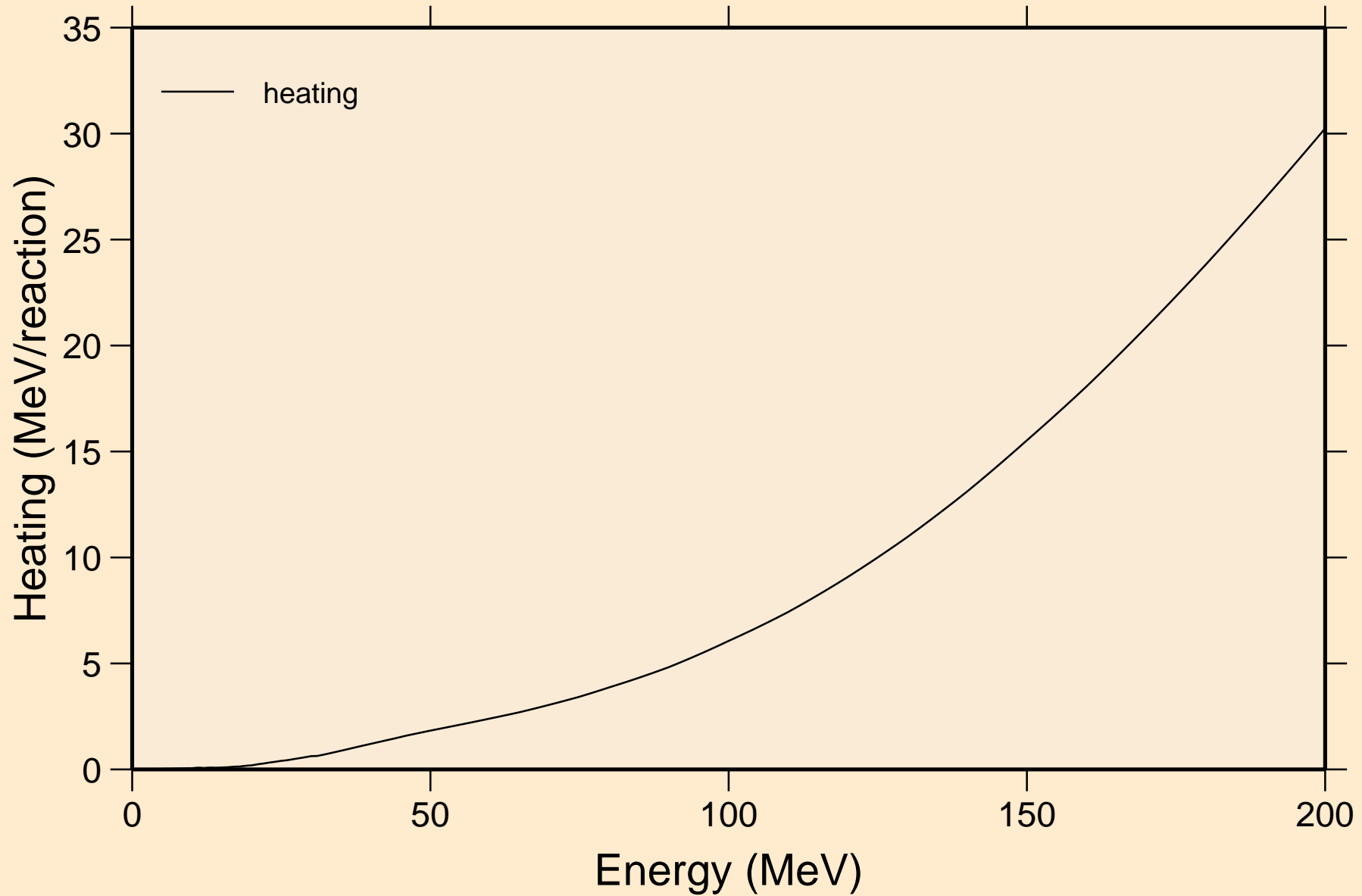
## Principal cross sections





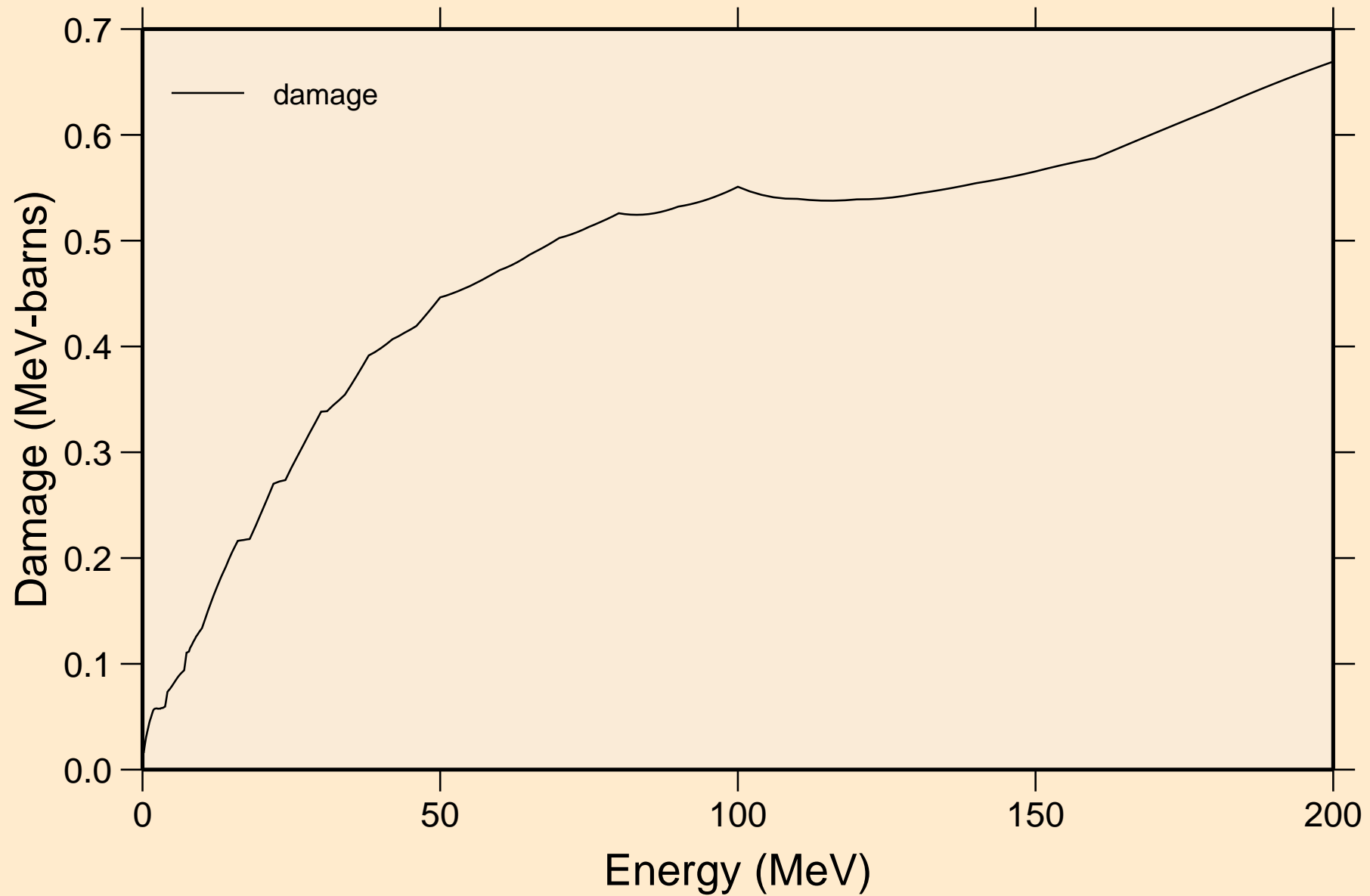
# RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Heating

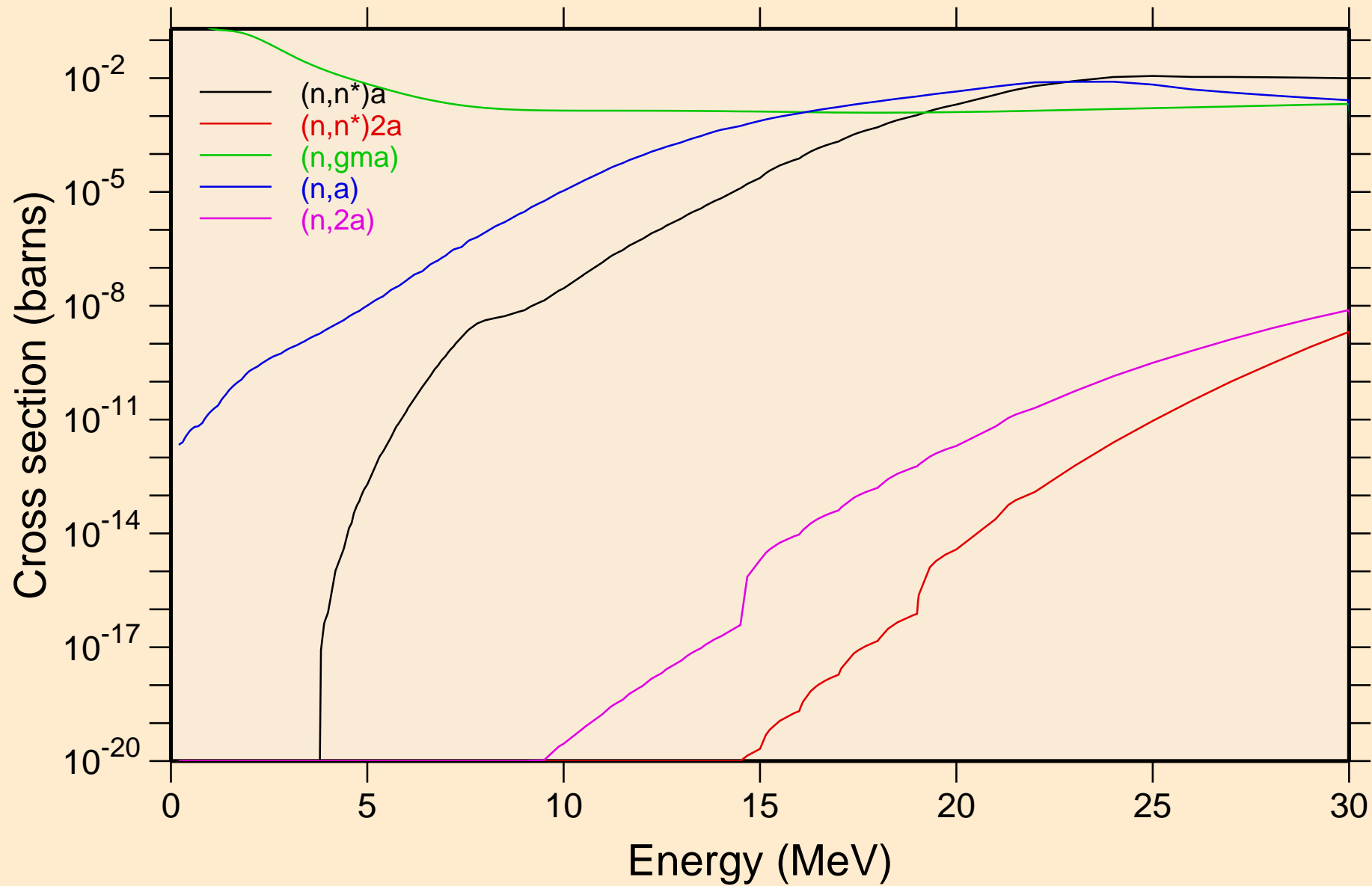


# RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

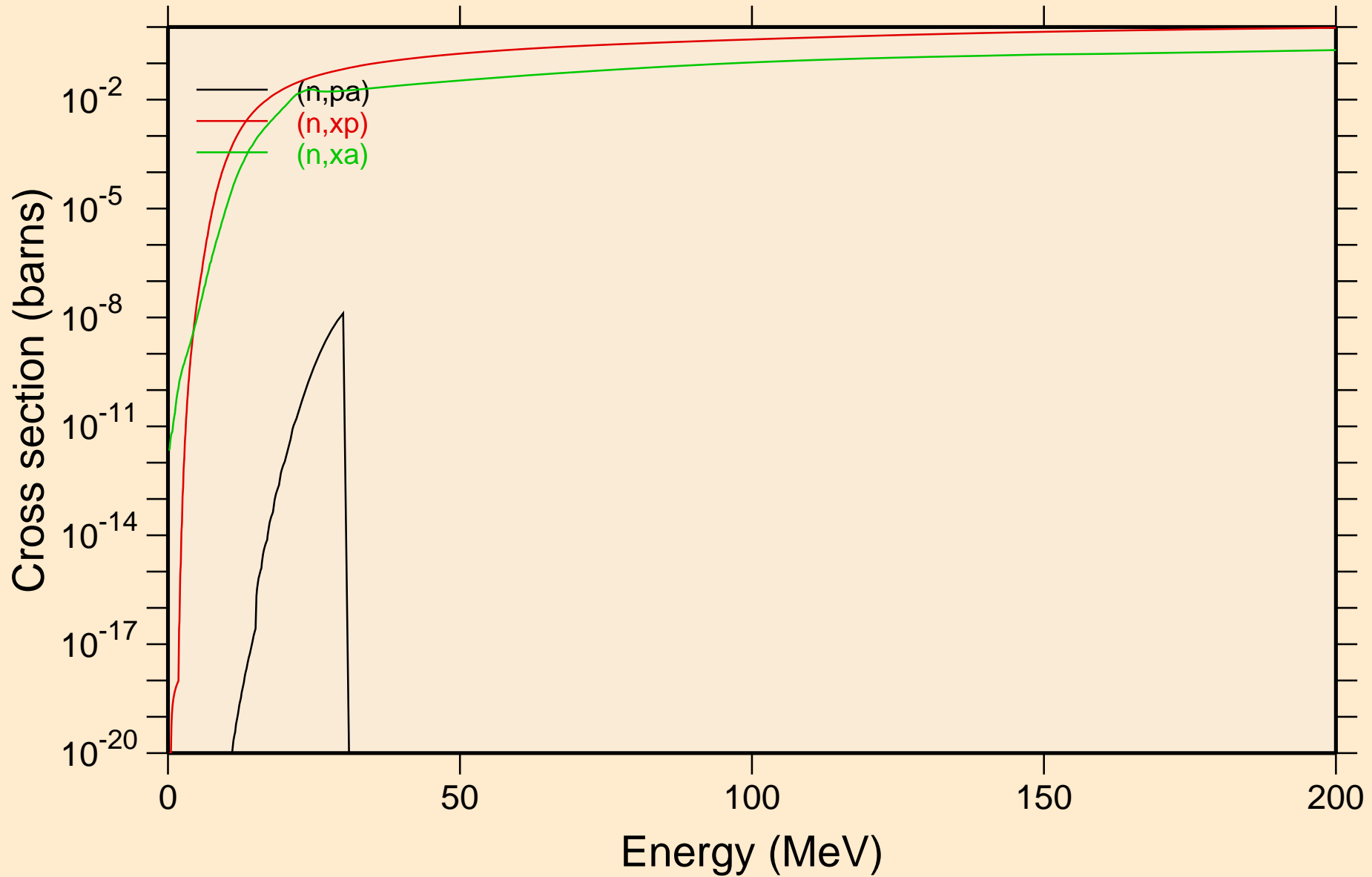
## Damage



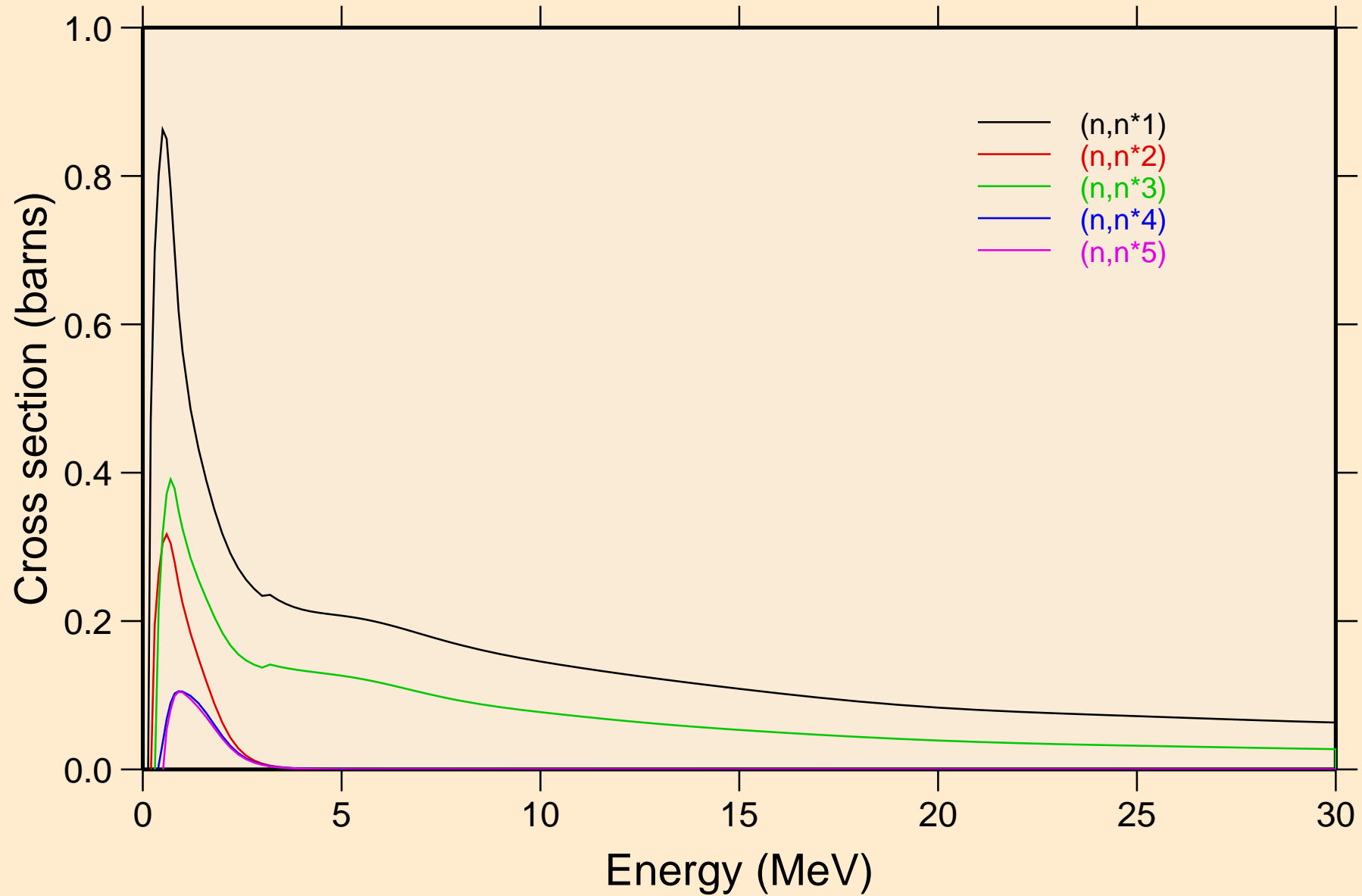
RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



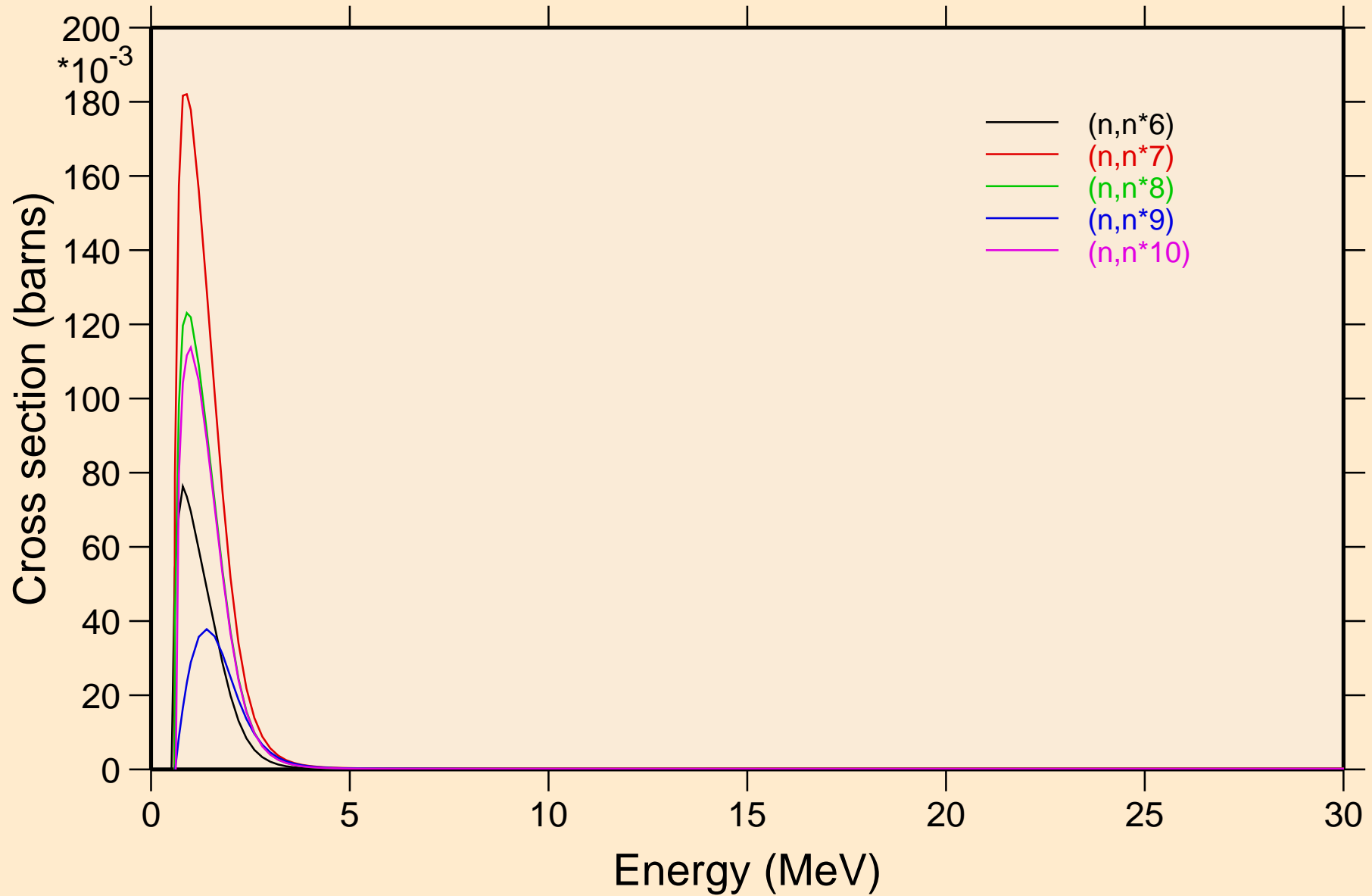
RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



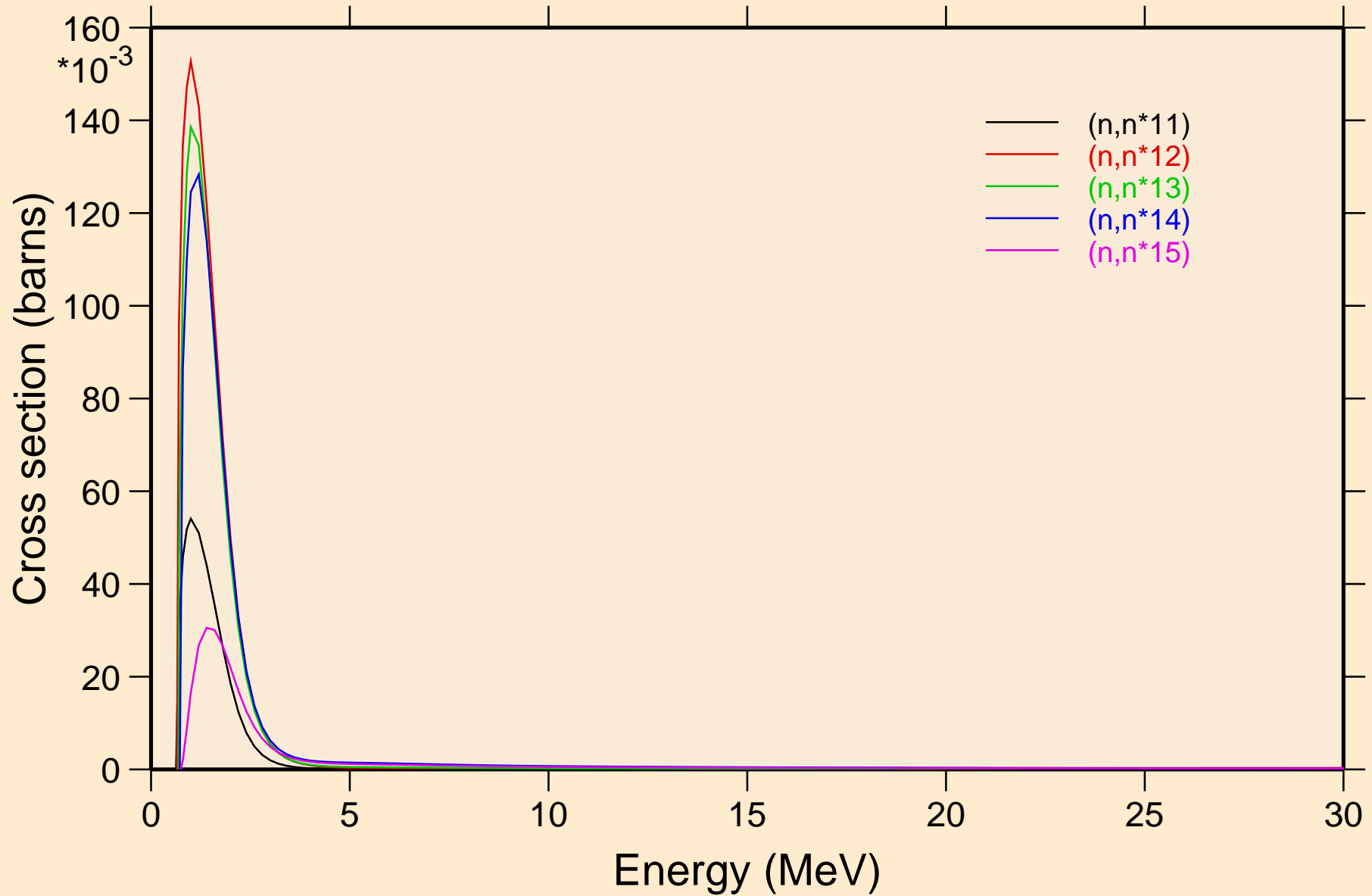
RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



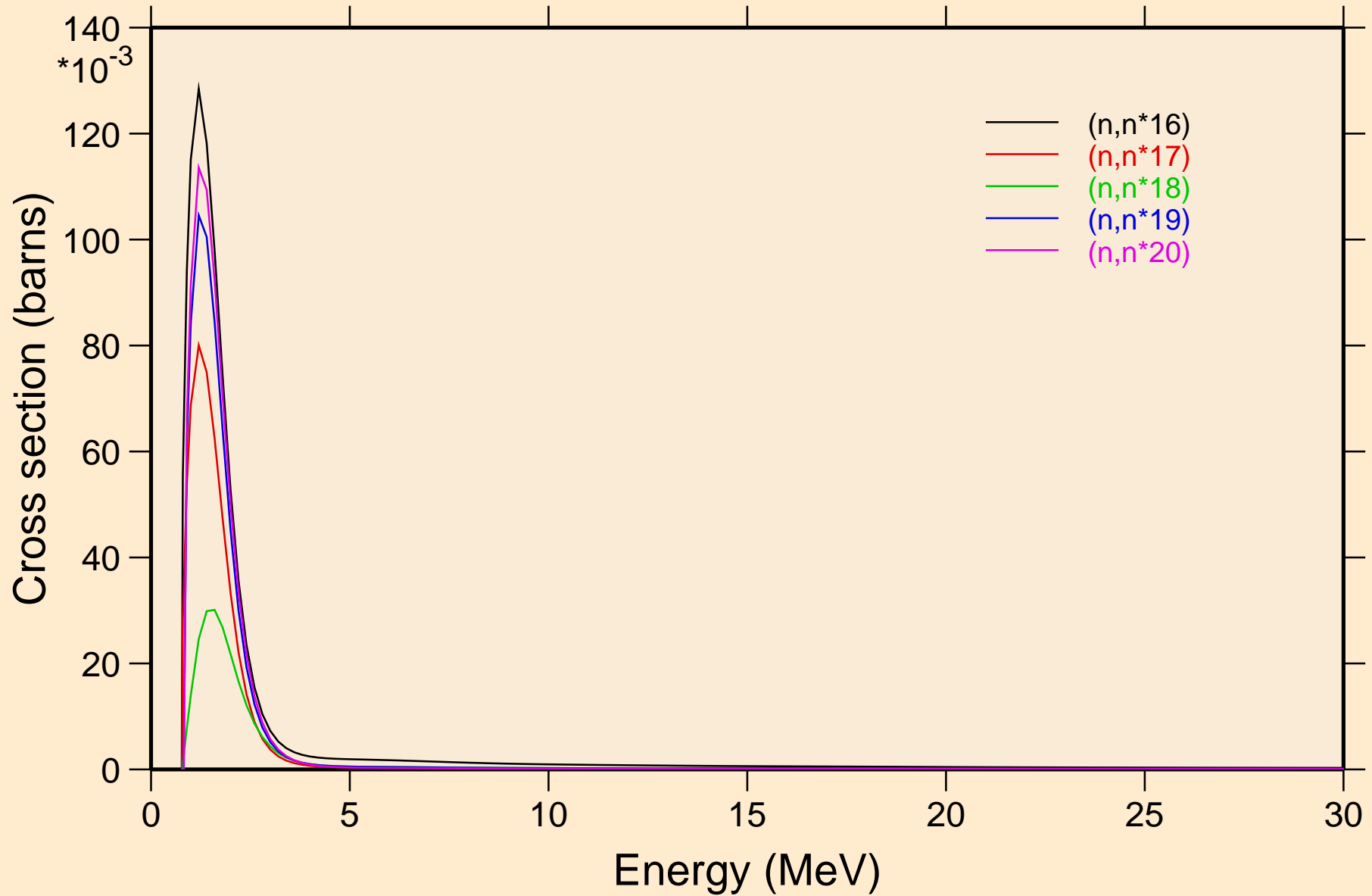
RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

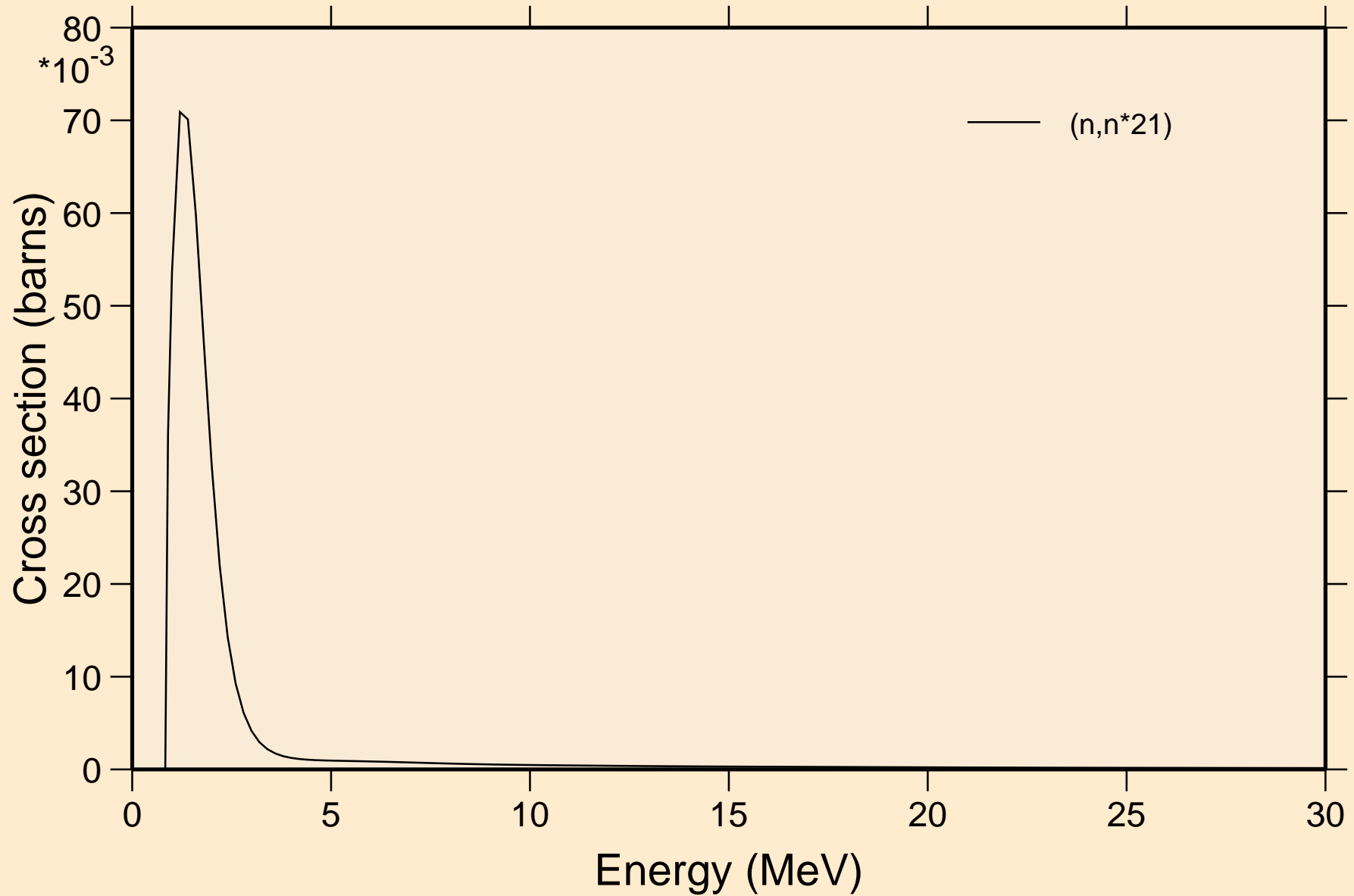


RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

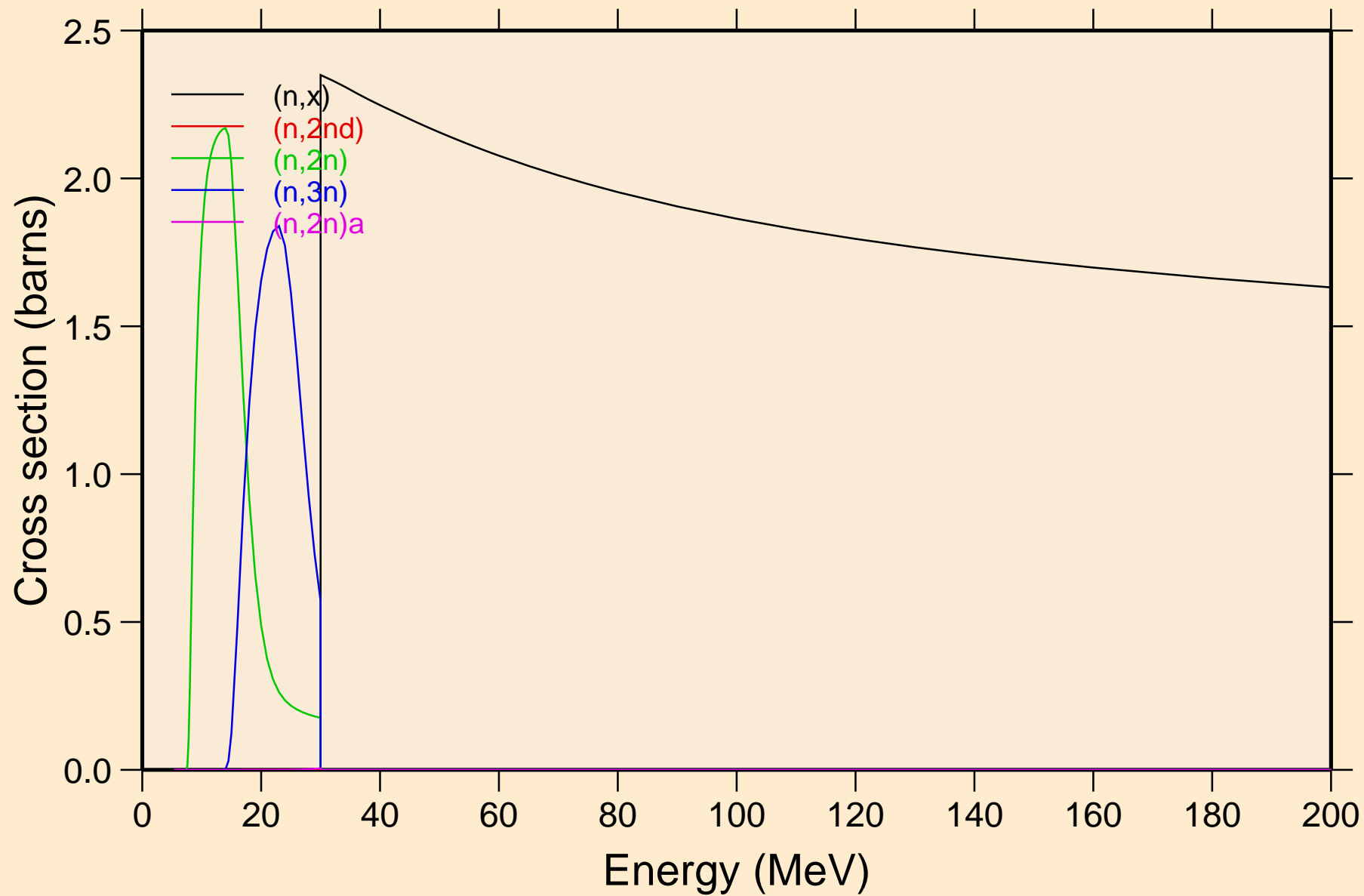




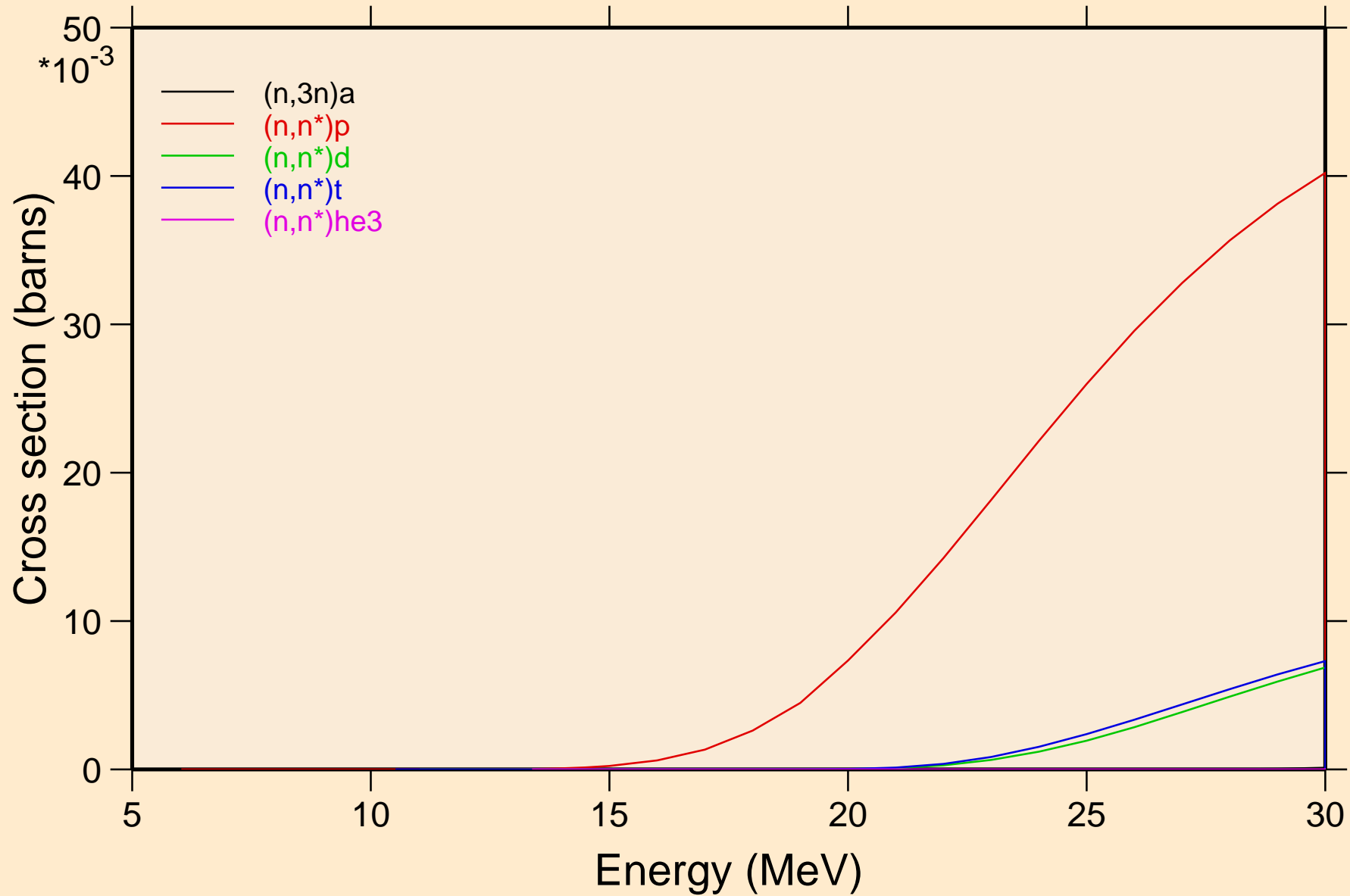
RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



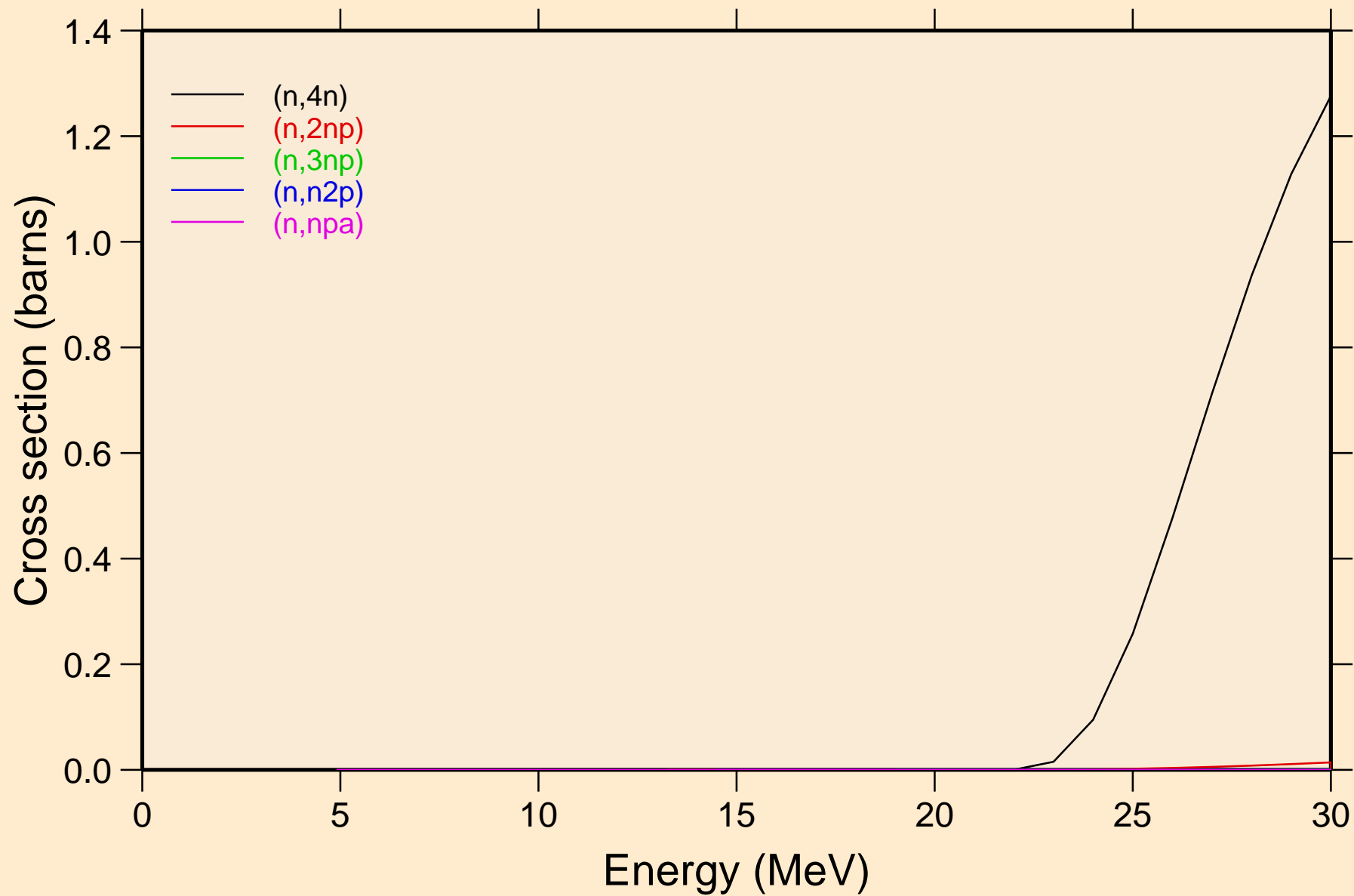
RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



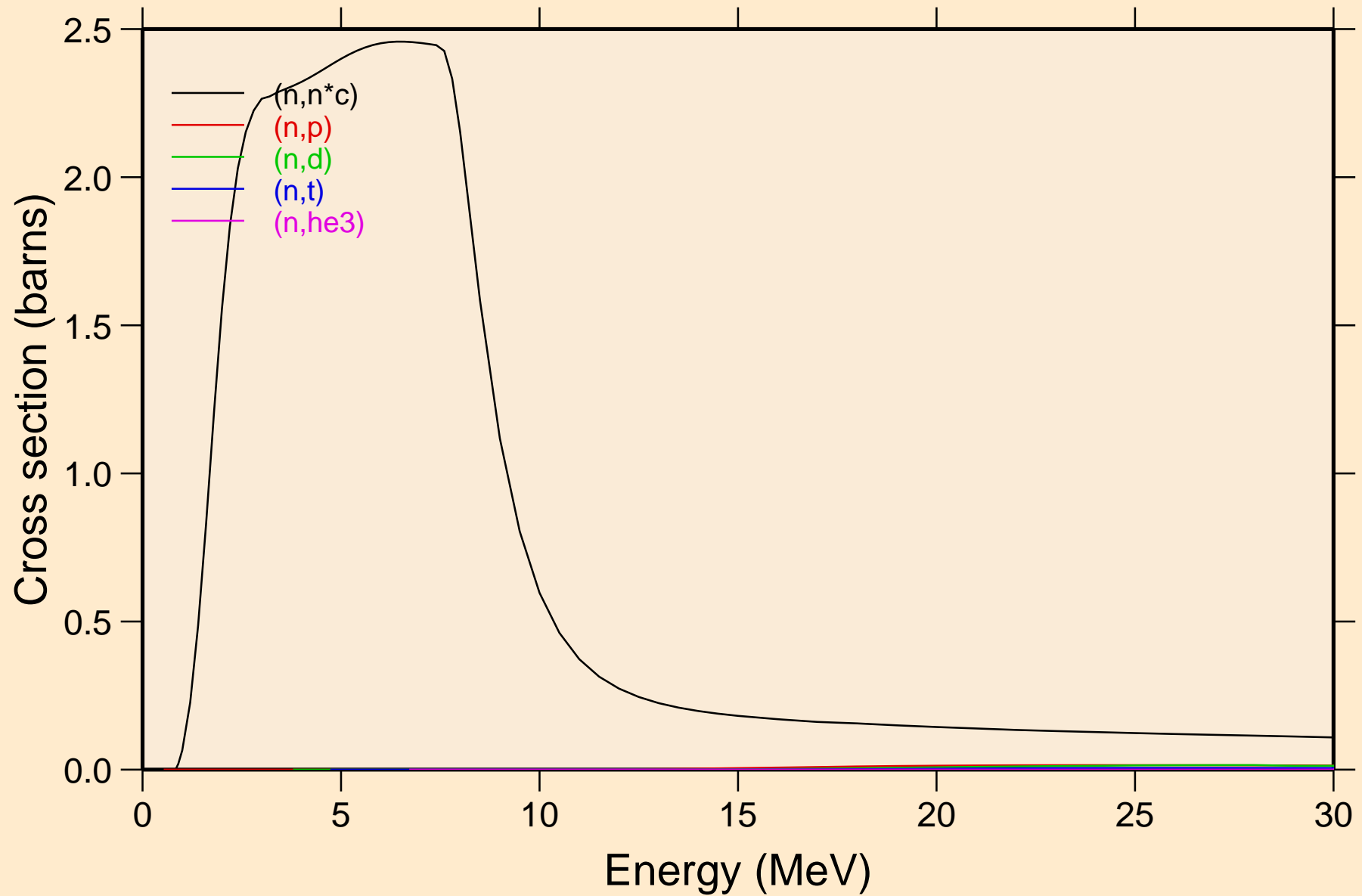
RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



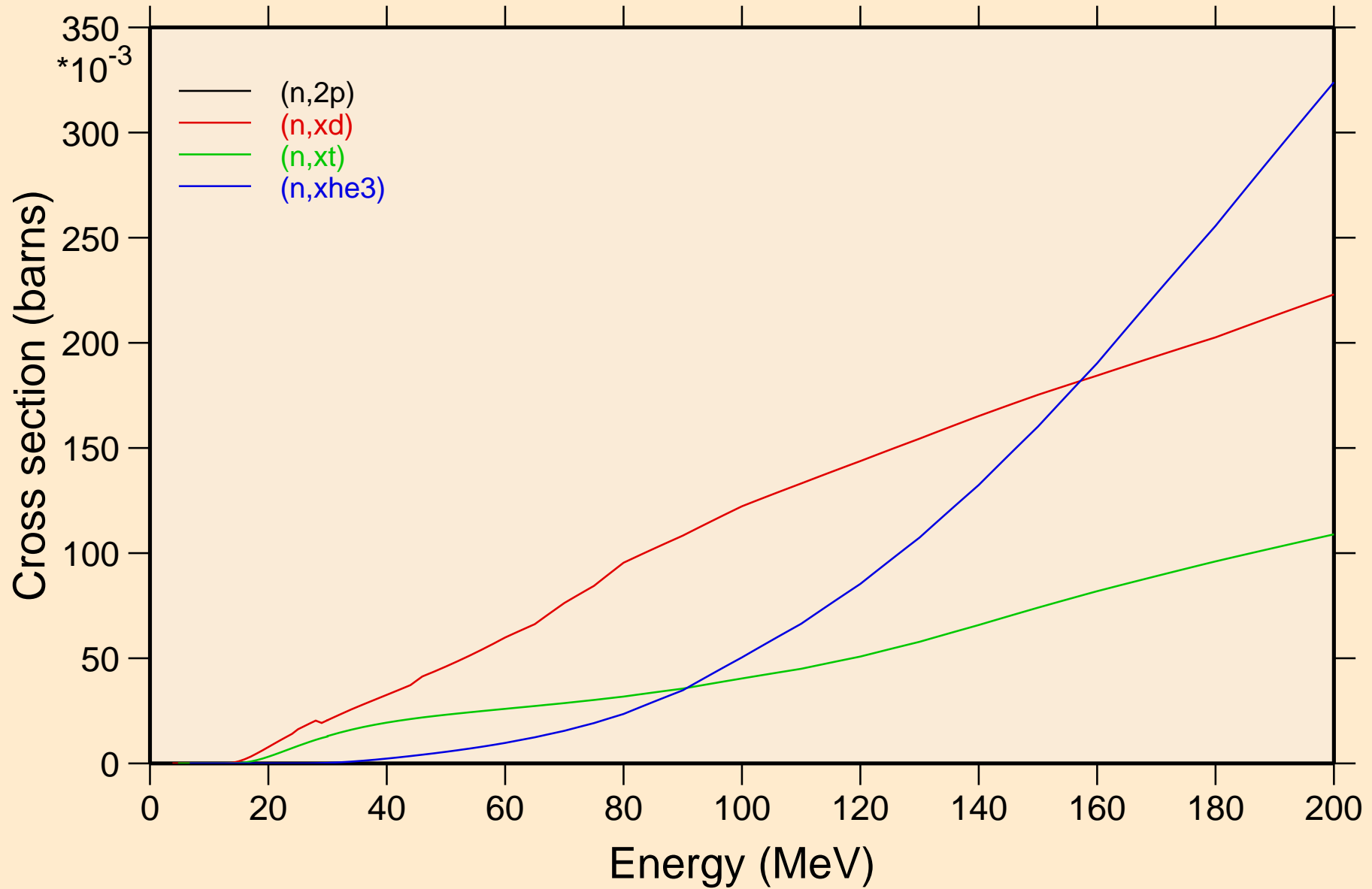
RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



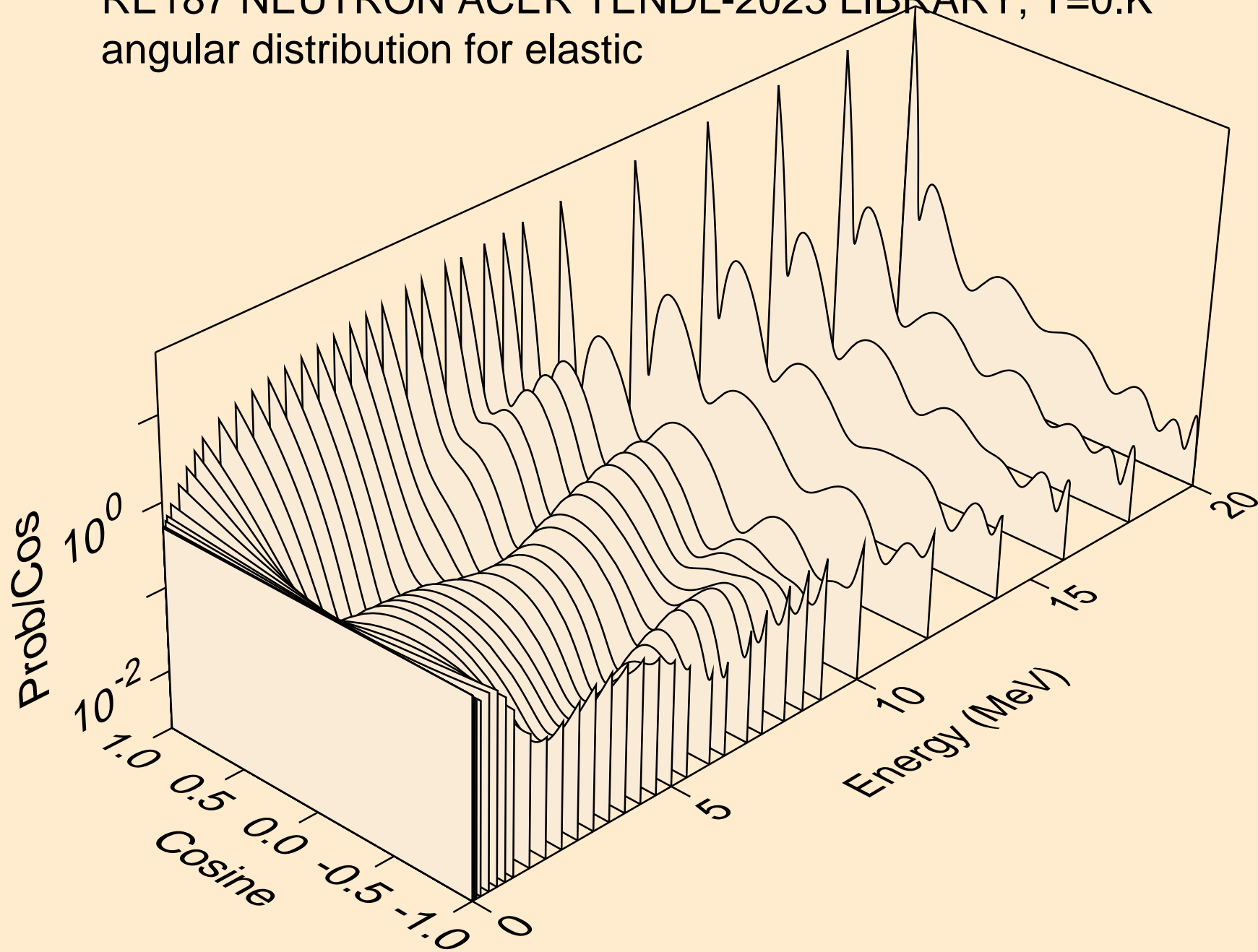
RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



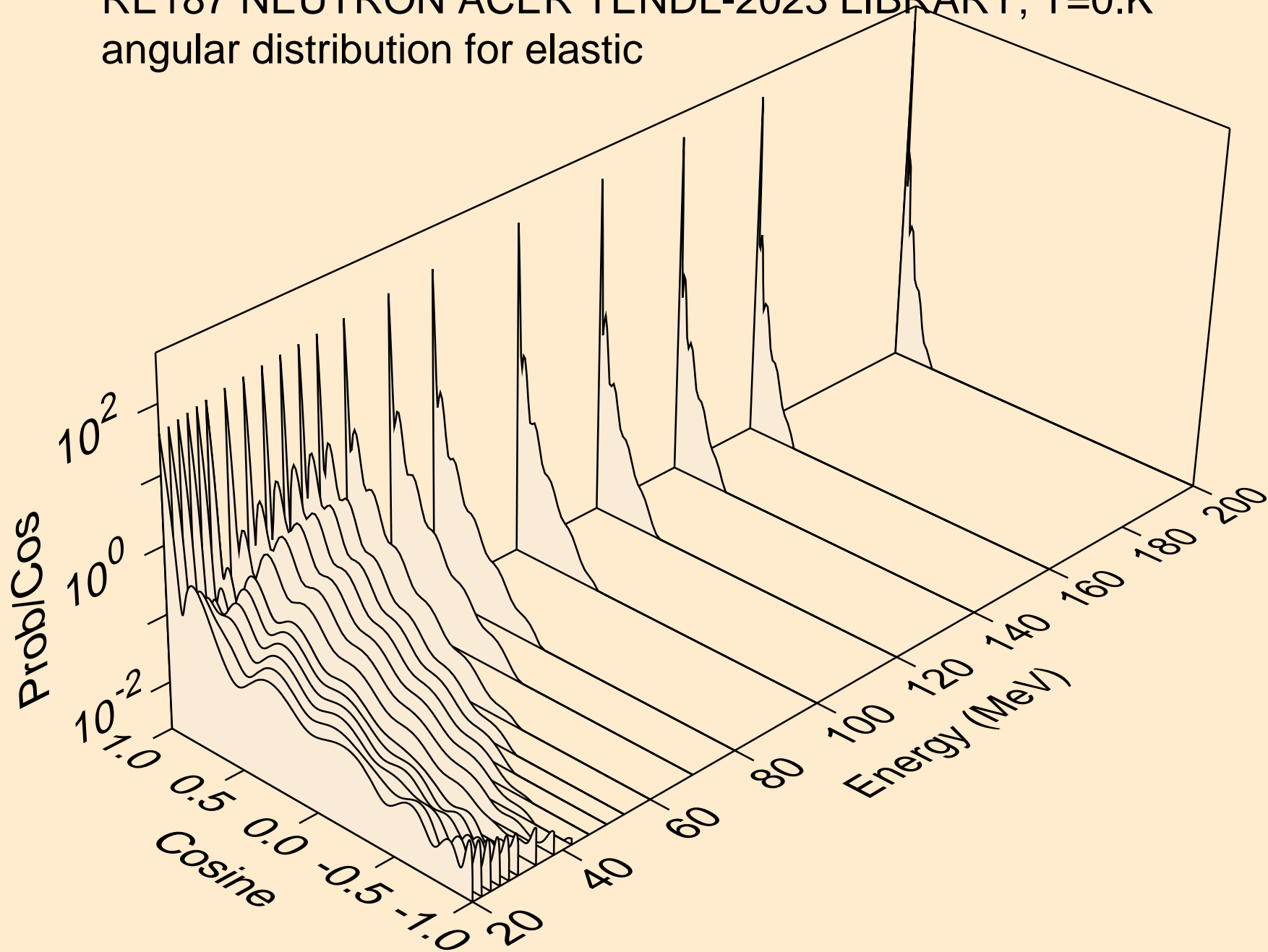
RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic

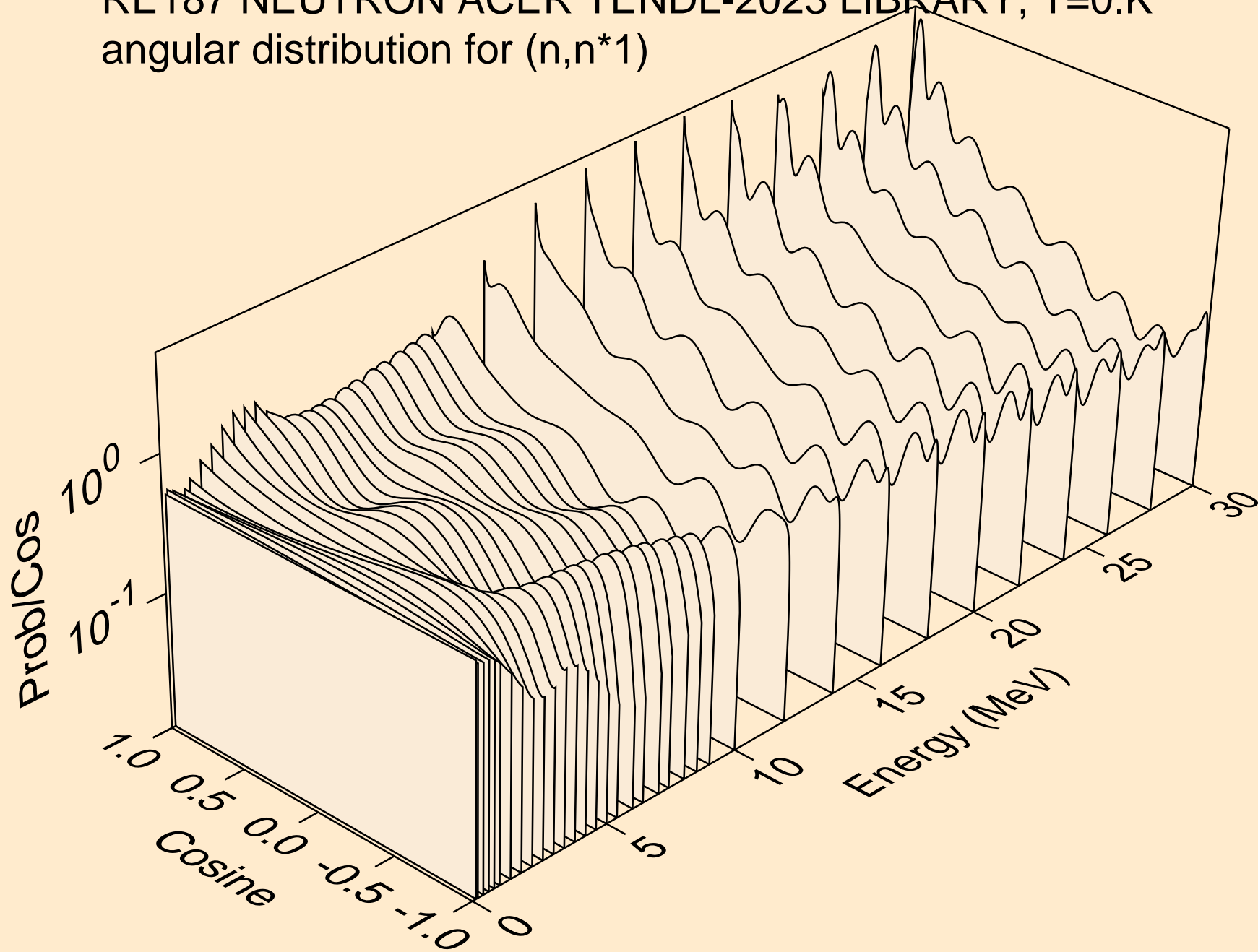


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angular distribution for elastic

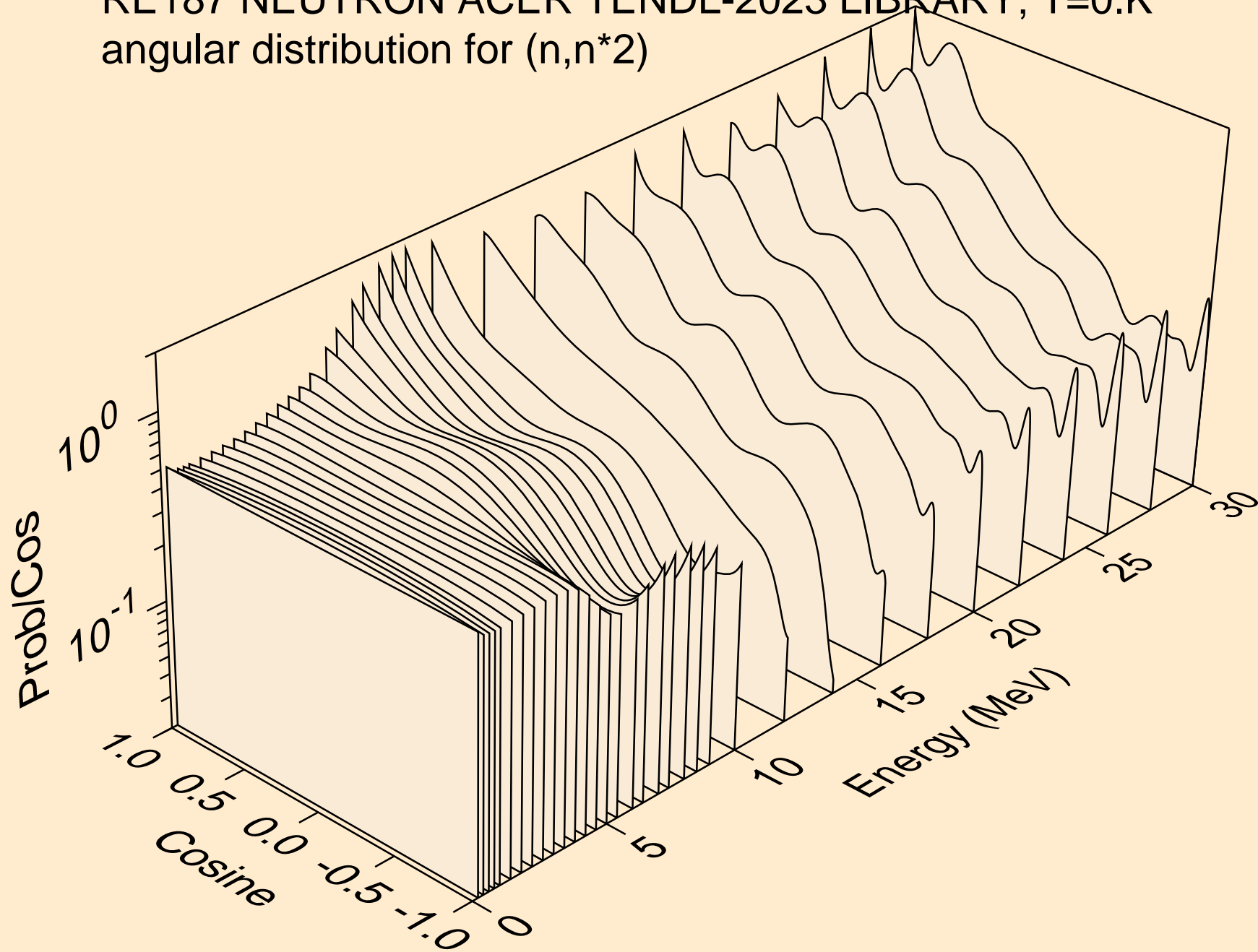




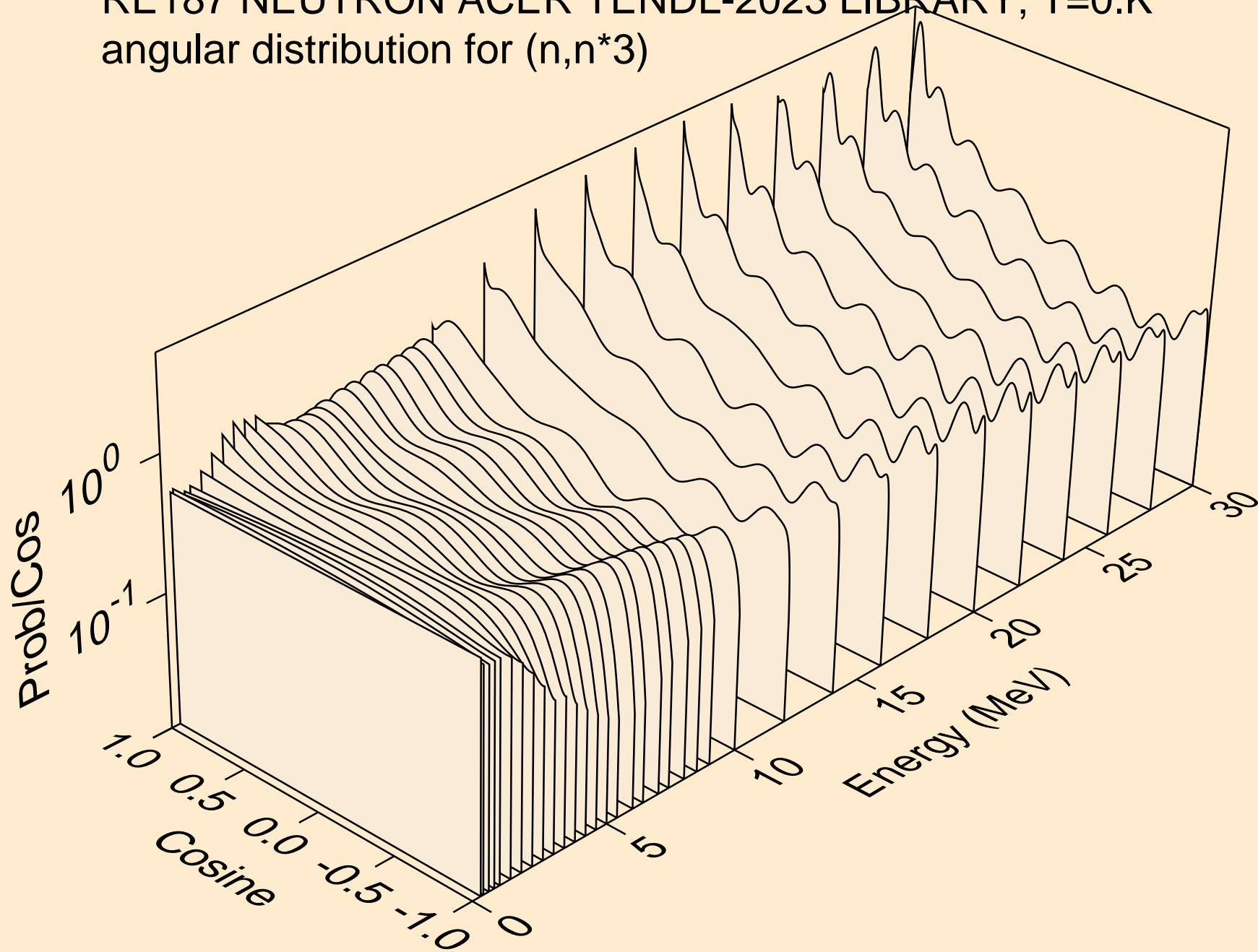
RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



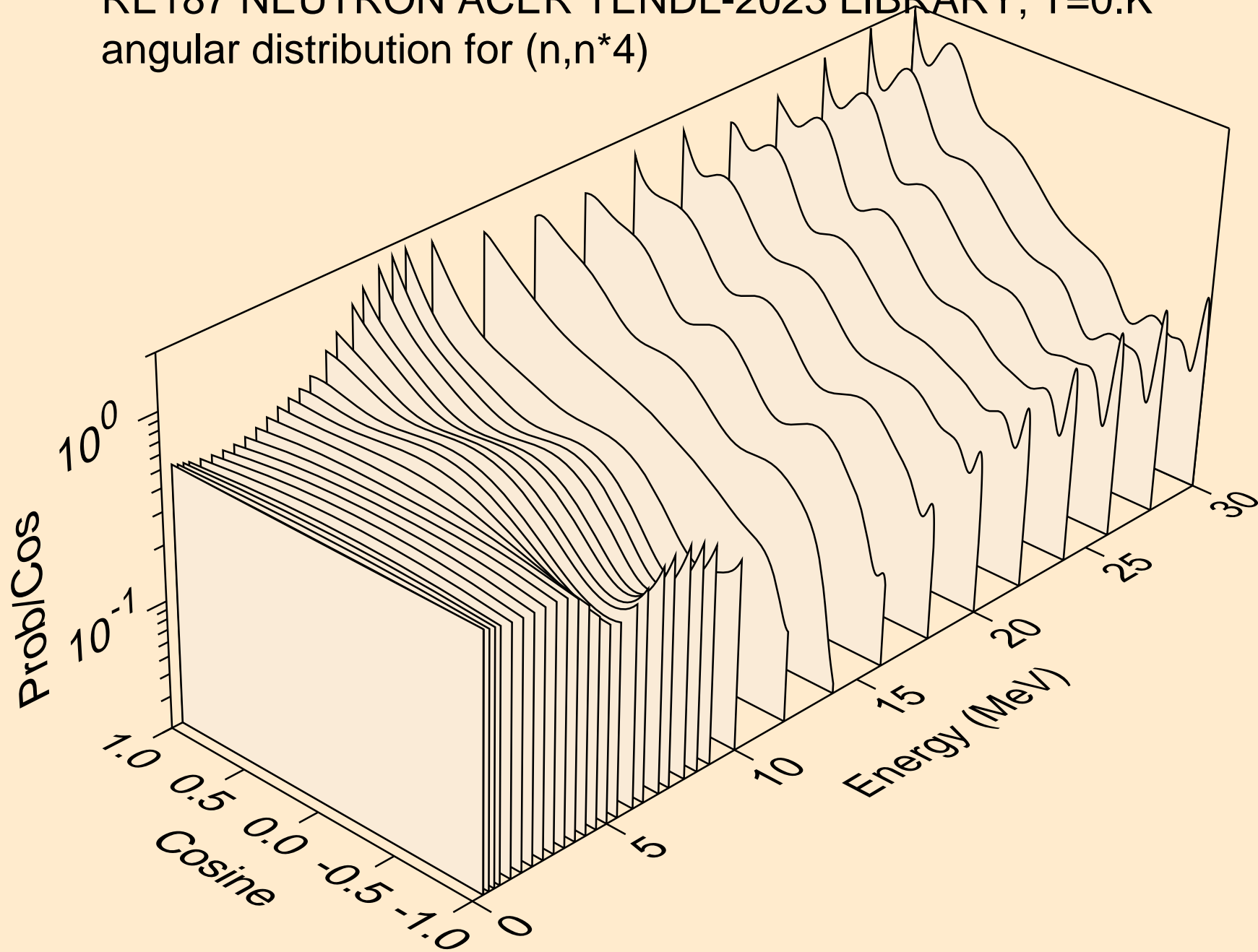
RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*2)



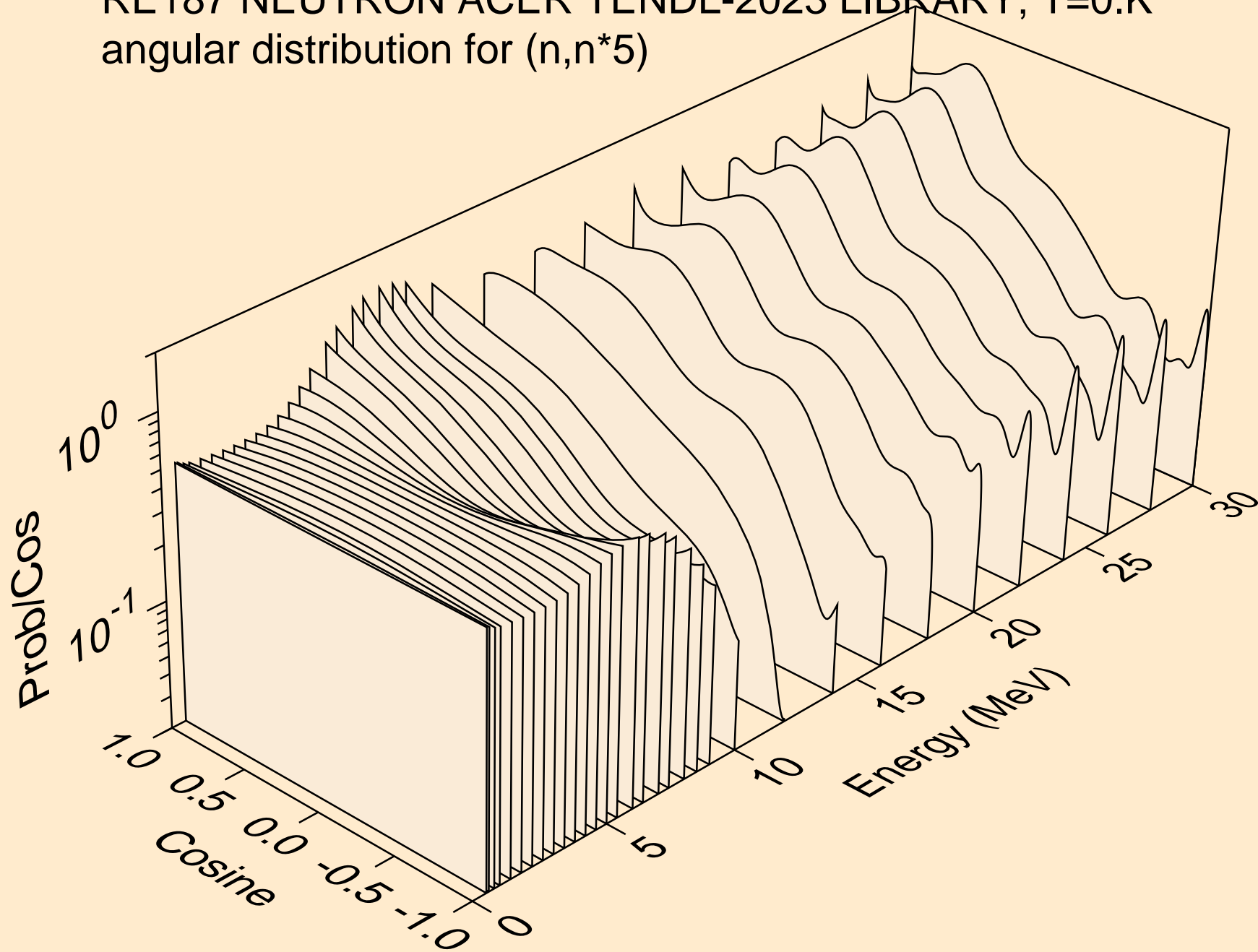
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angular distribution for (n,n\*3)



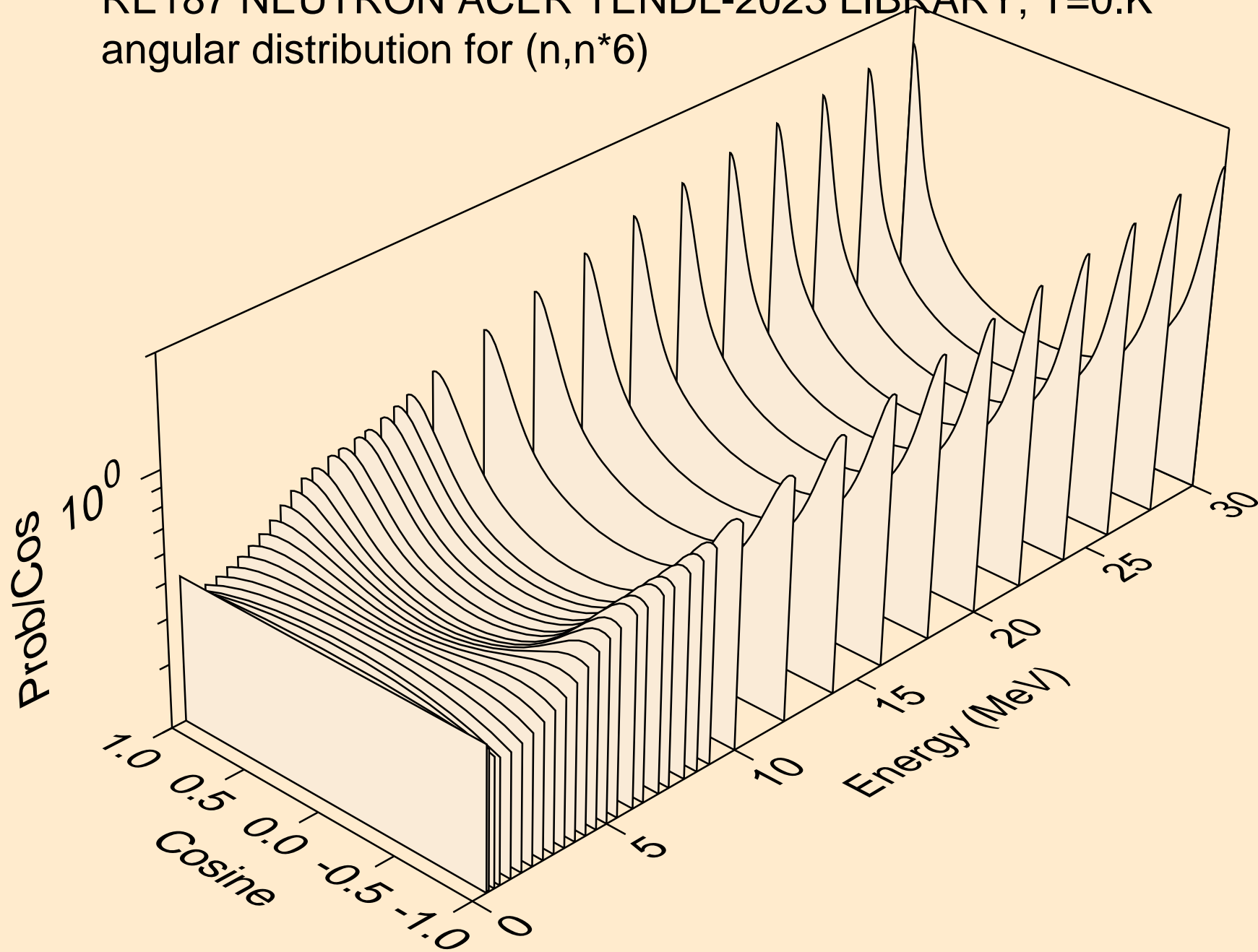
RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*4)



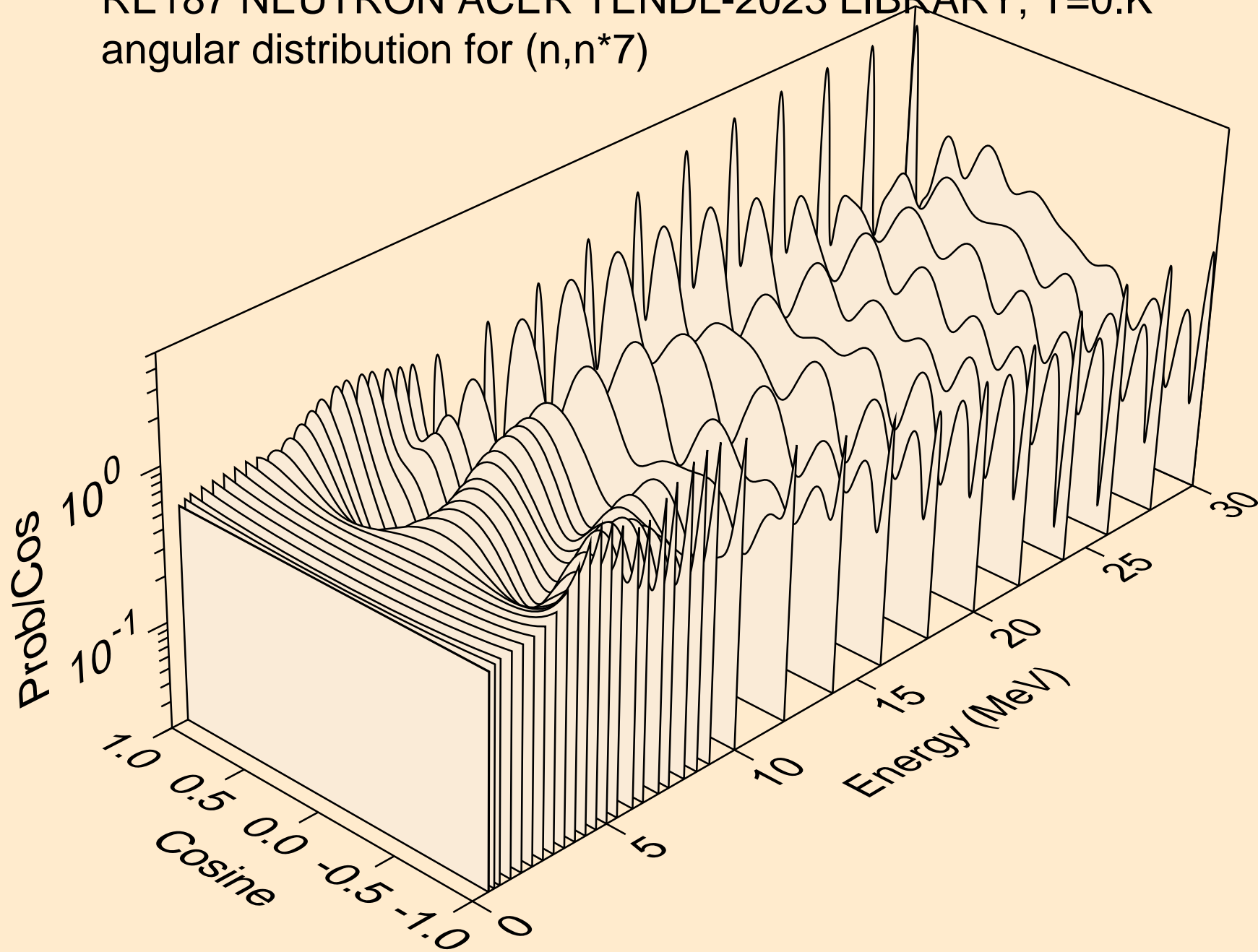
RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*5)



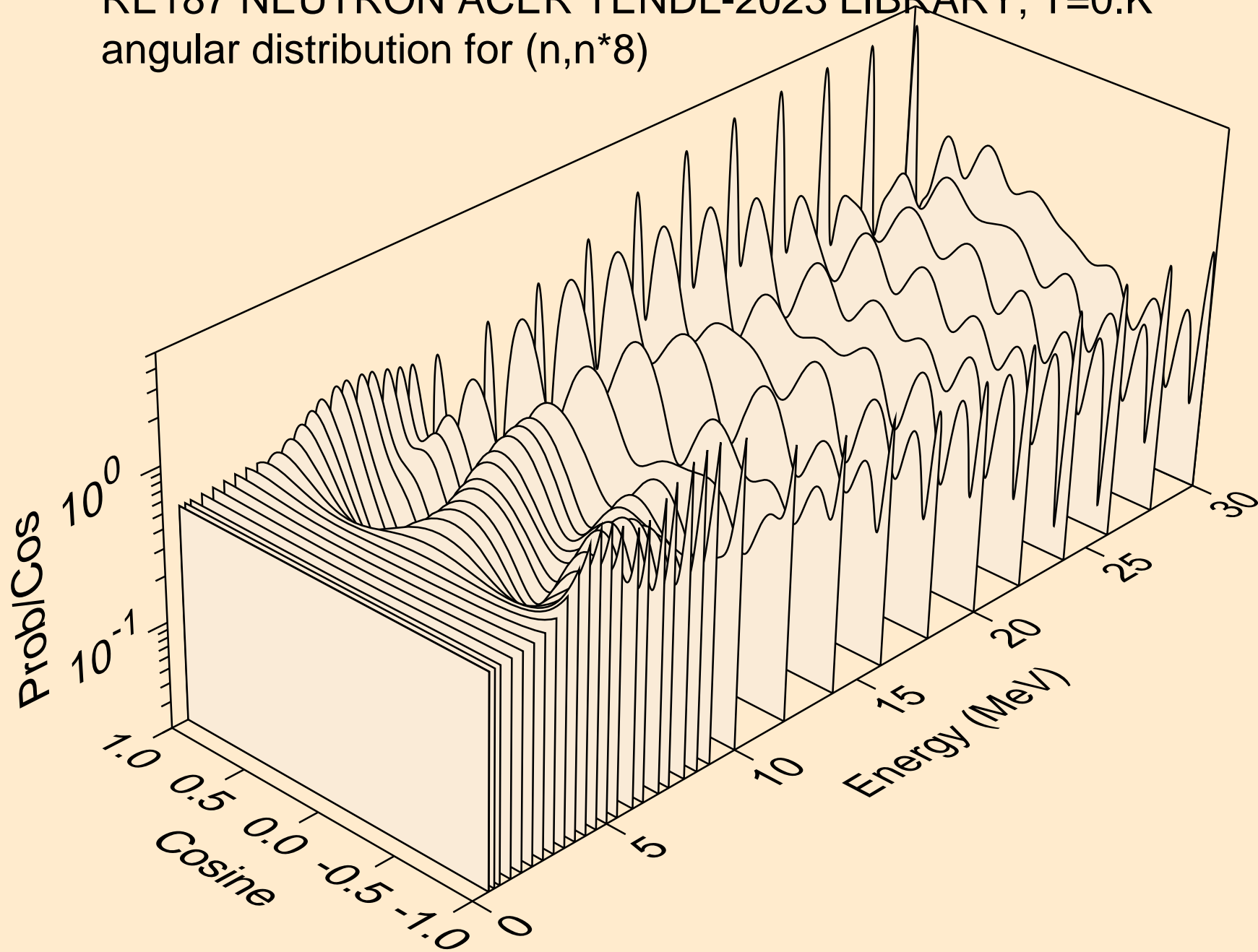
RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*6)



RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*7)

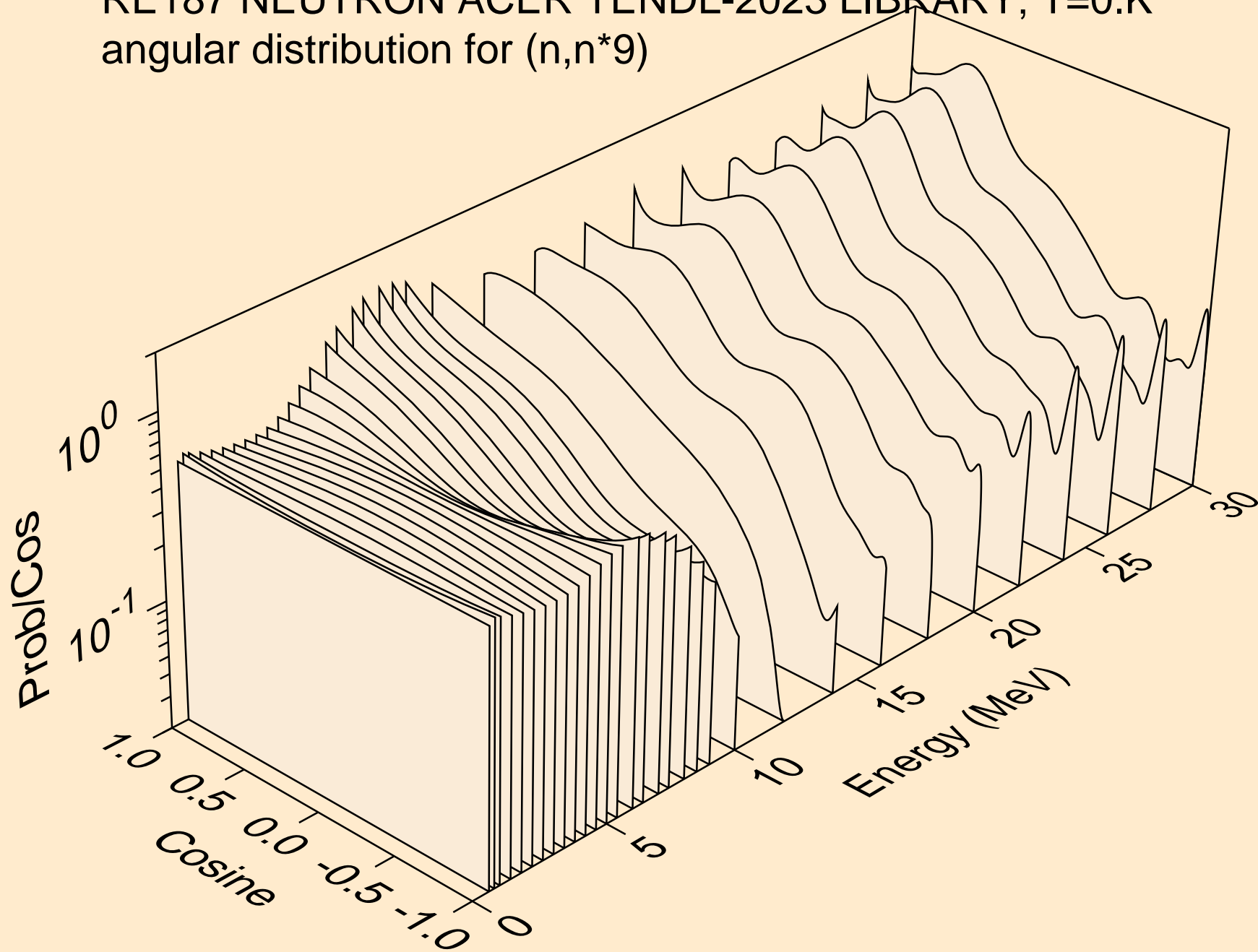


RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*8)

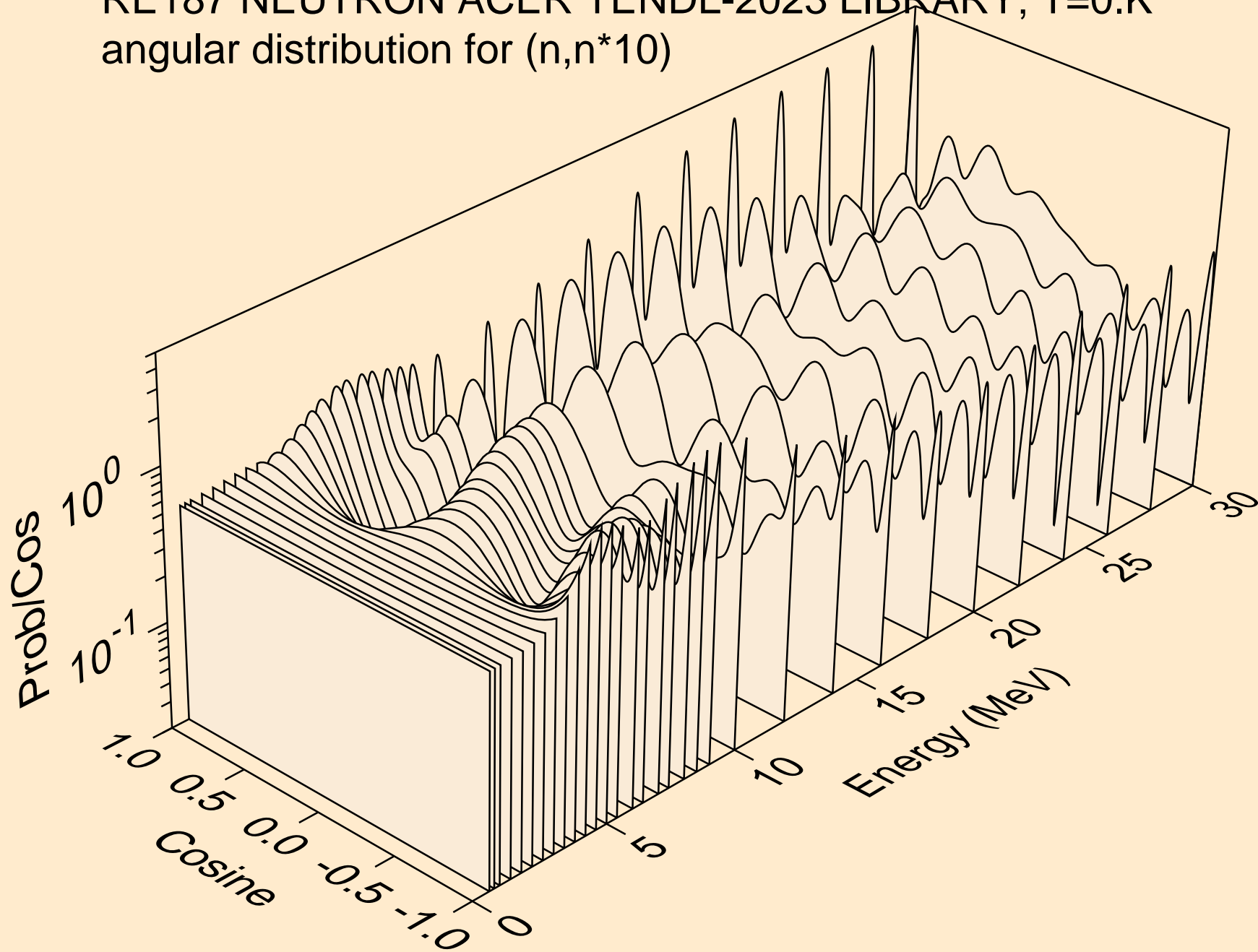




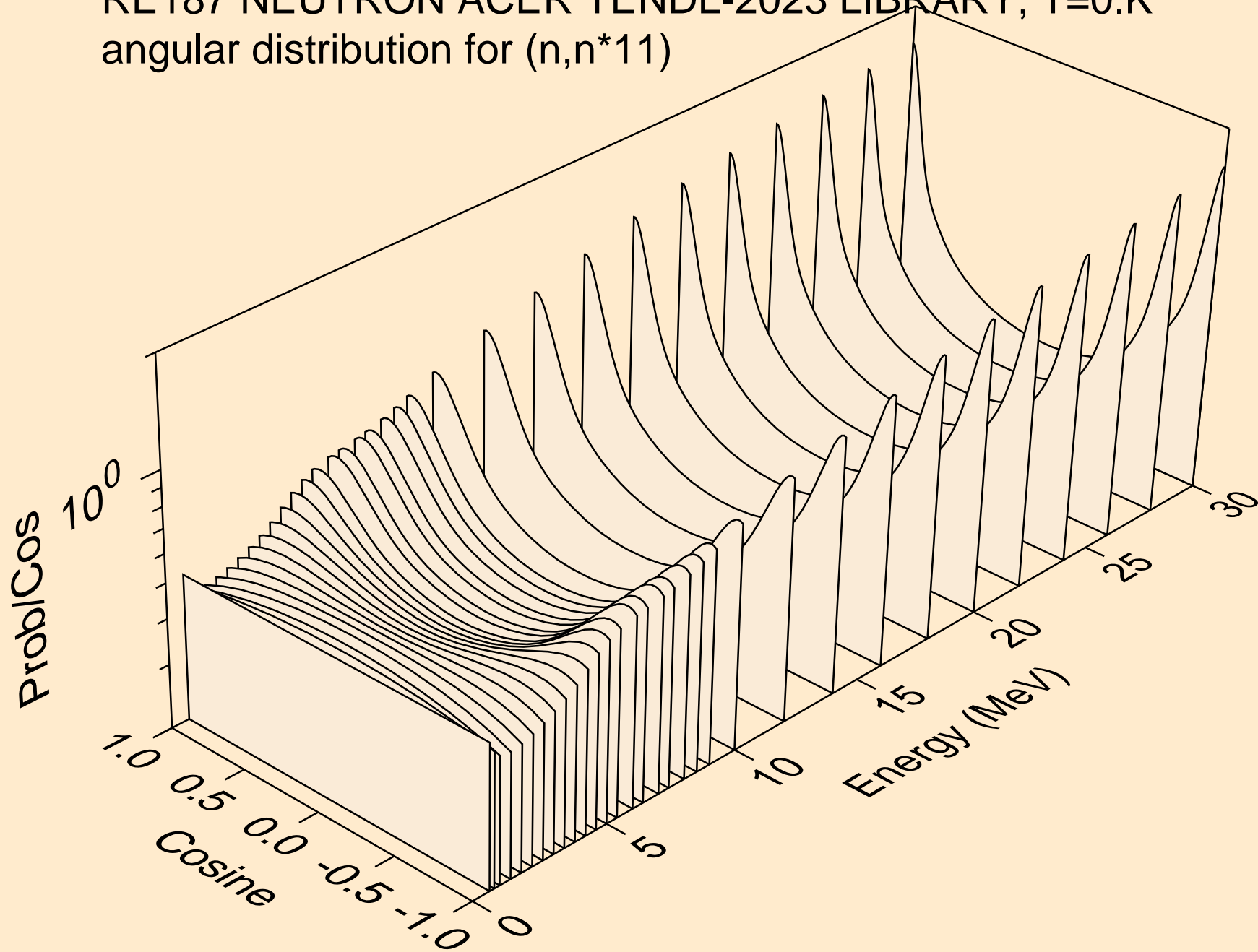
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angular distribution for (n,n\*9)



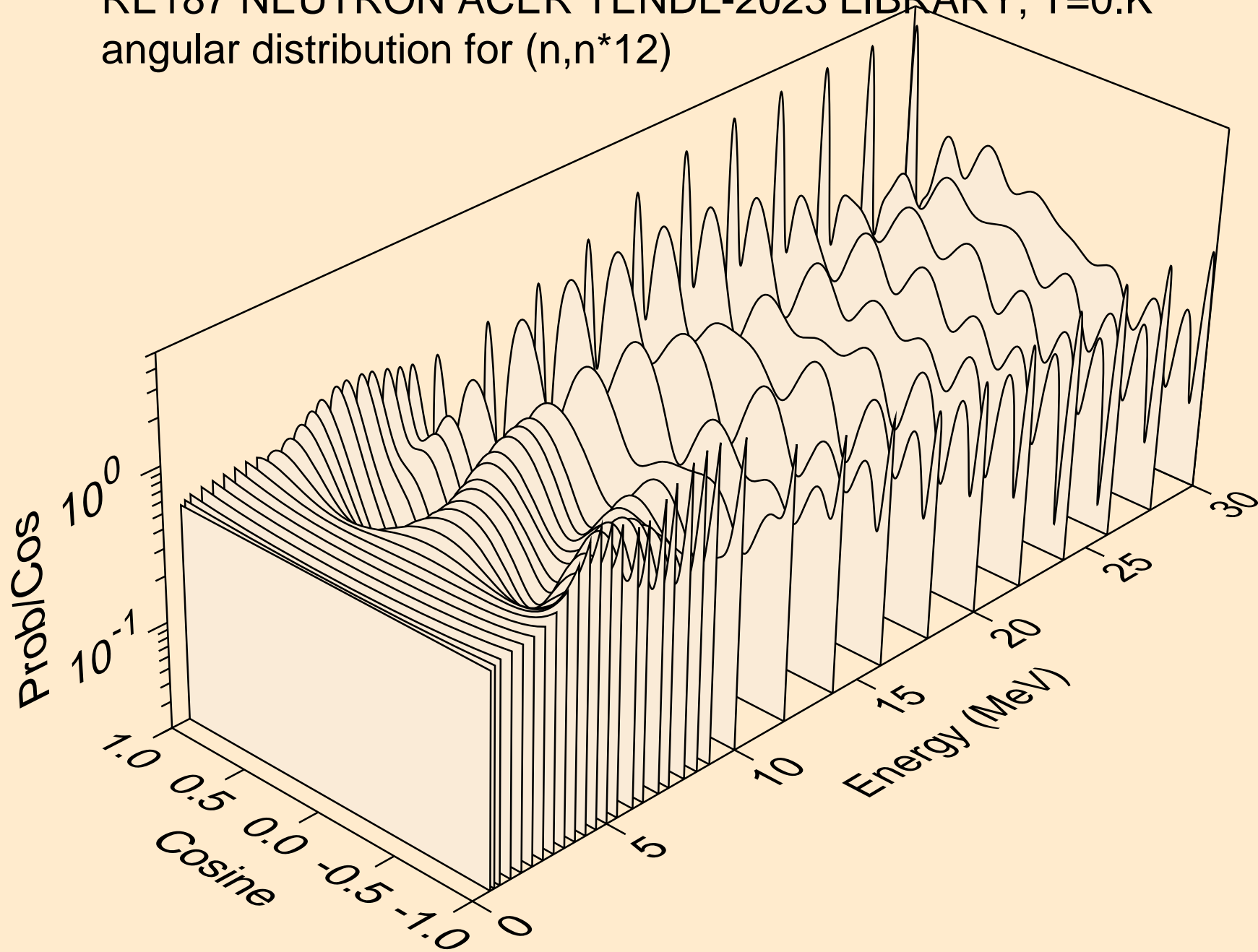
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angular distribution for (n,n\*10)



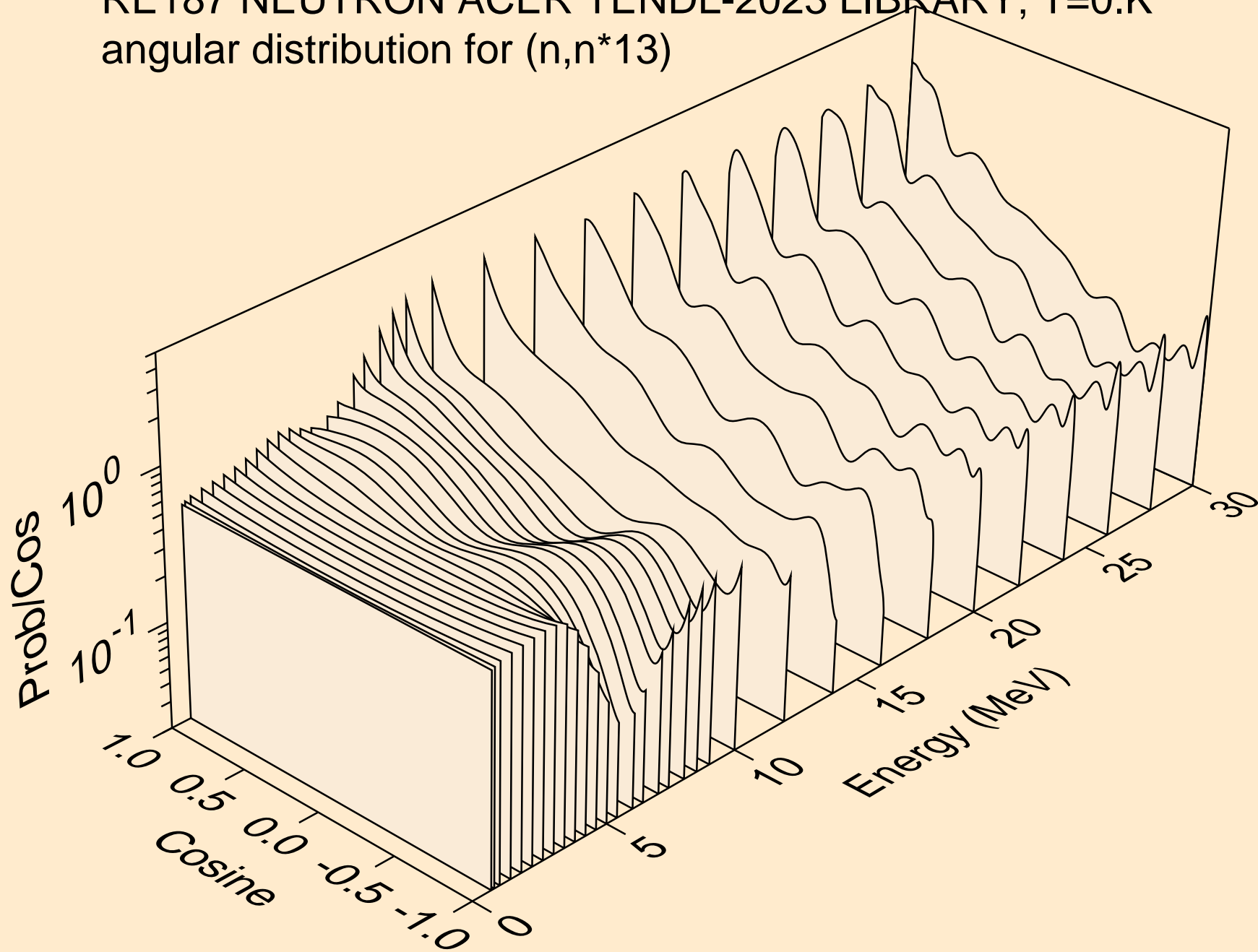
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angular distribution for (n,n\*11)



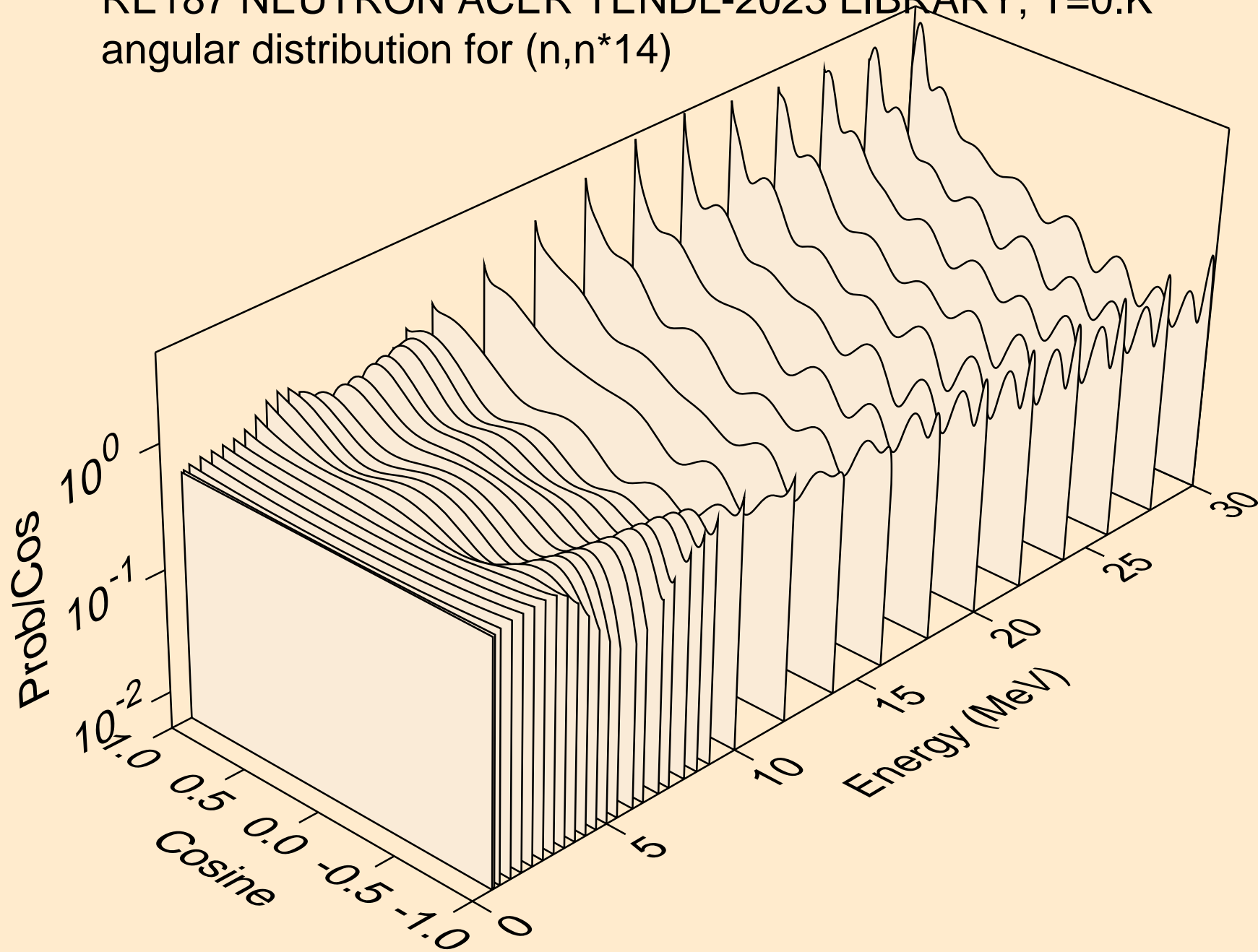
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angular distribution for (n,n\*12)



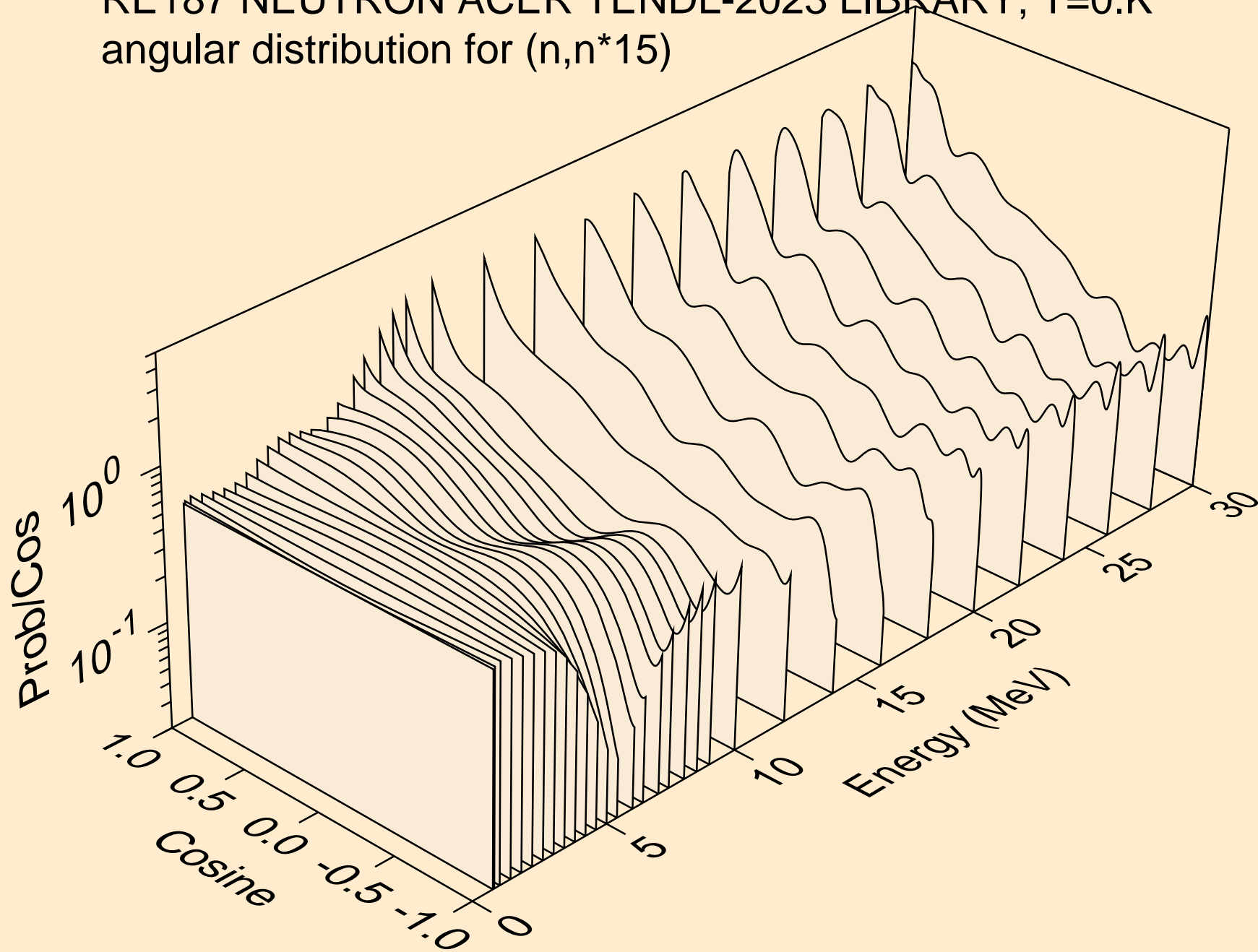
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angular distribution for (n,n\*13)



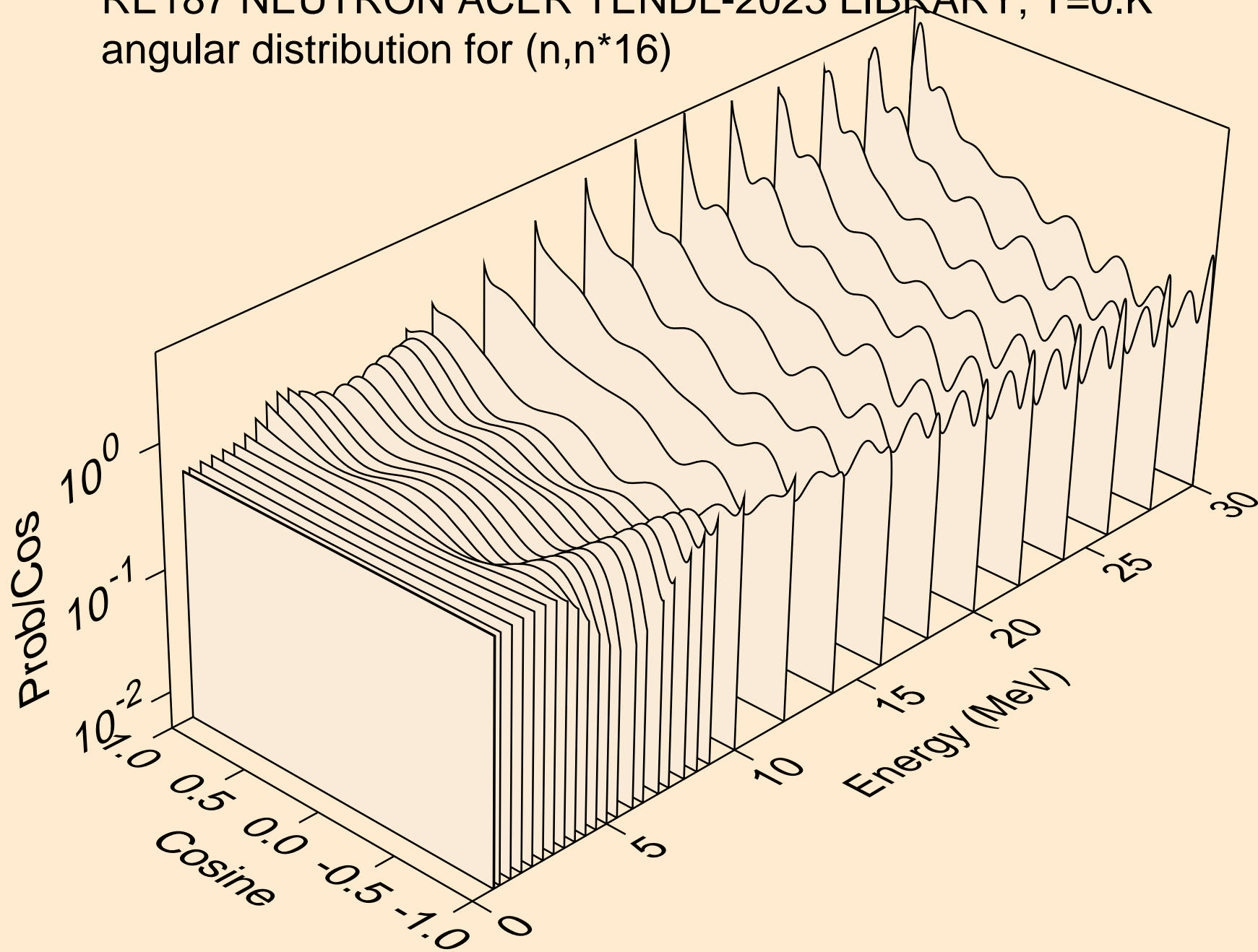
RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*14)



RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*15)

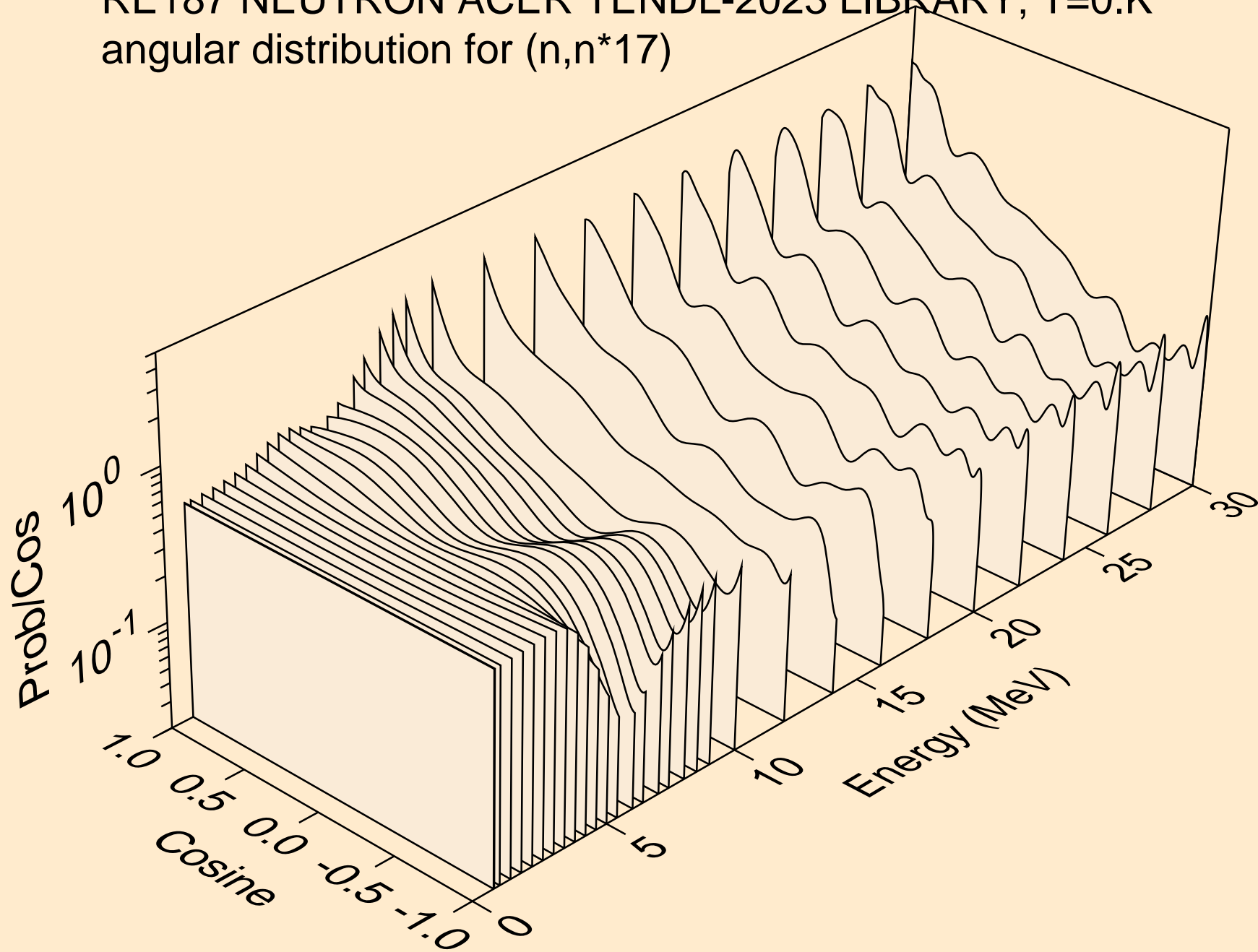


RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*16)

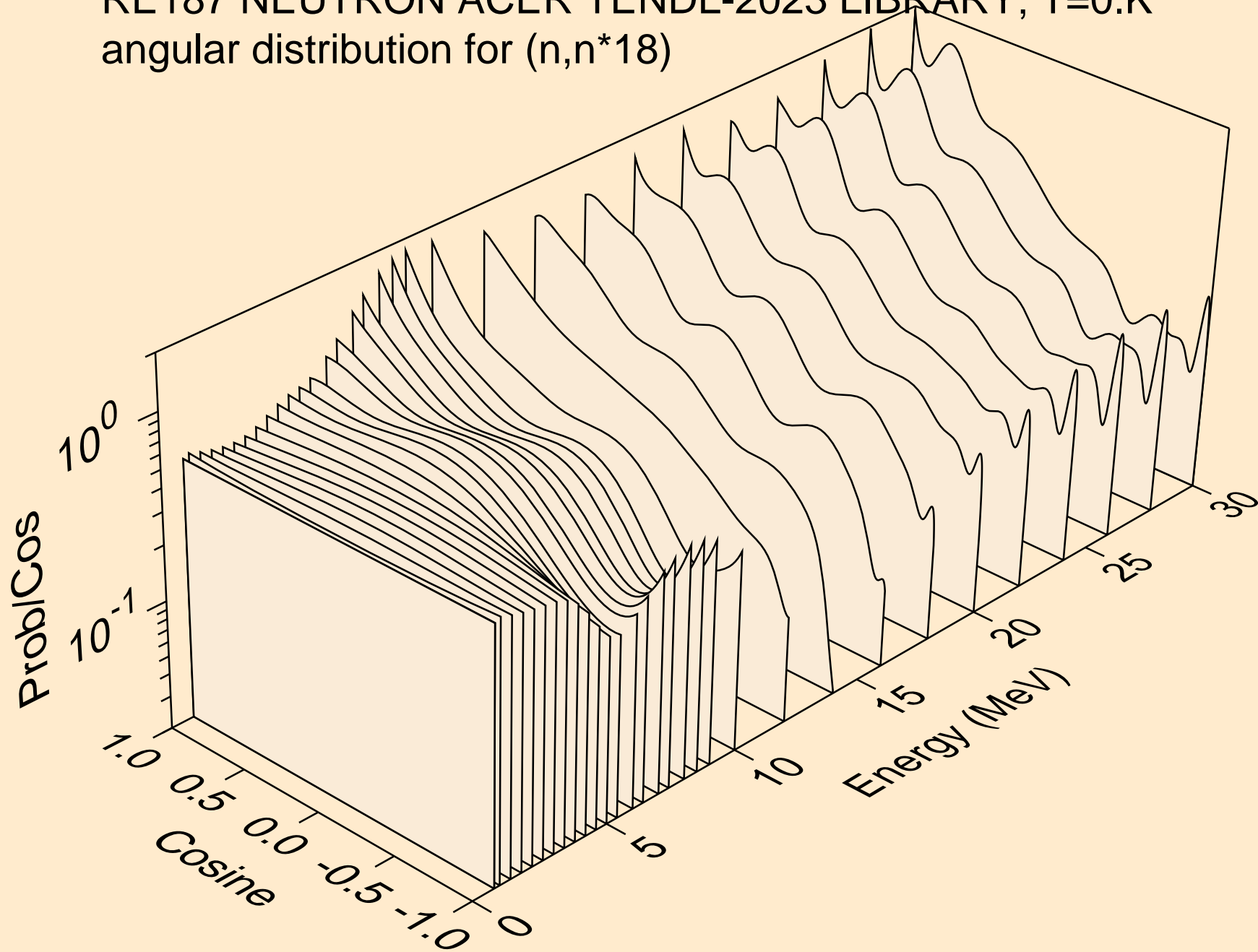




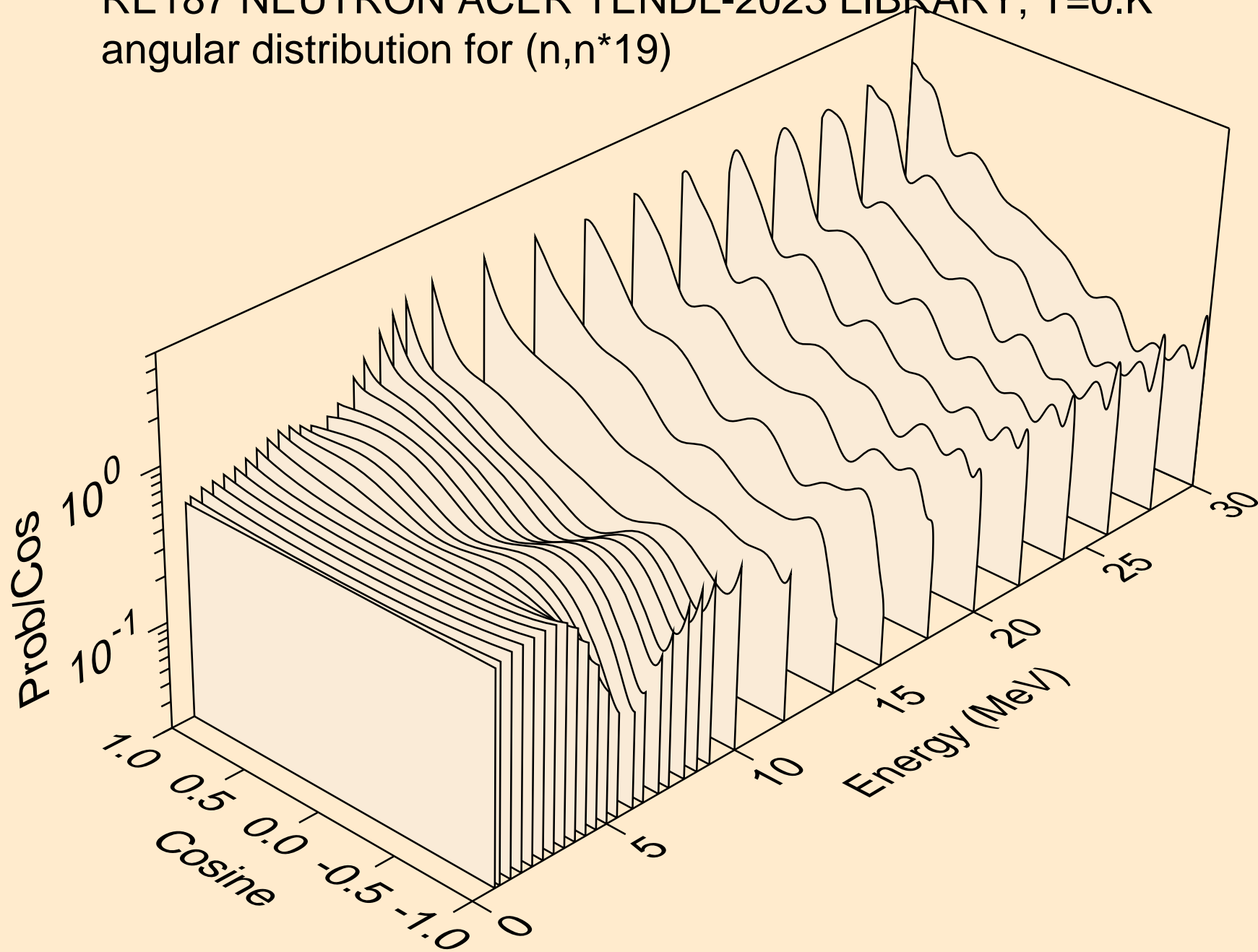
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angular distribution for (n,n\*17)



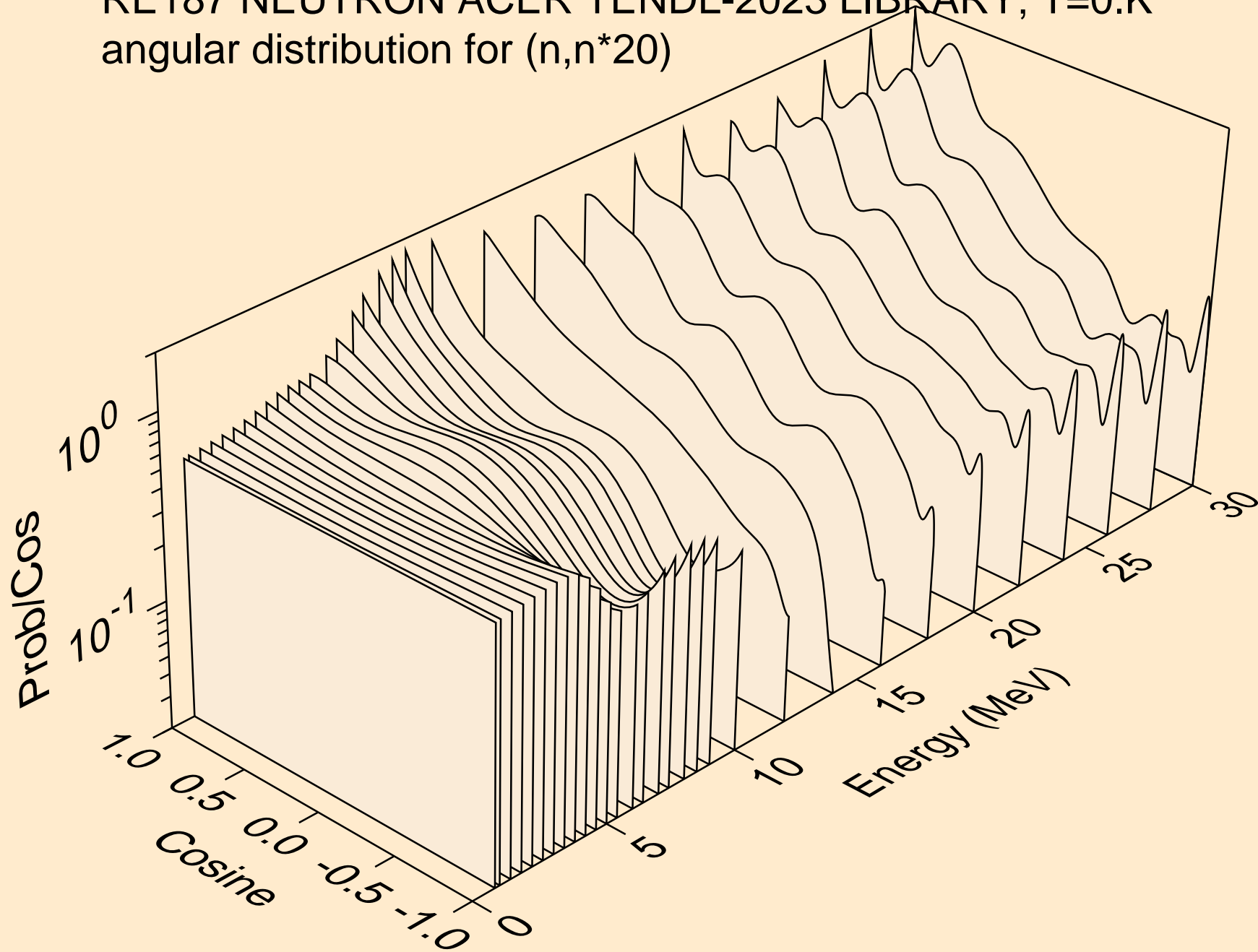
RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*18)



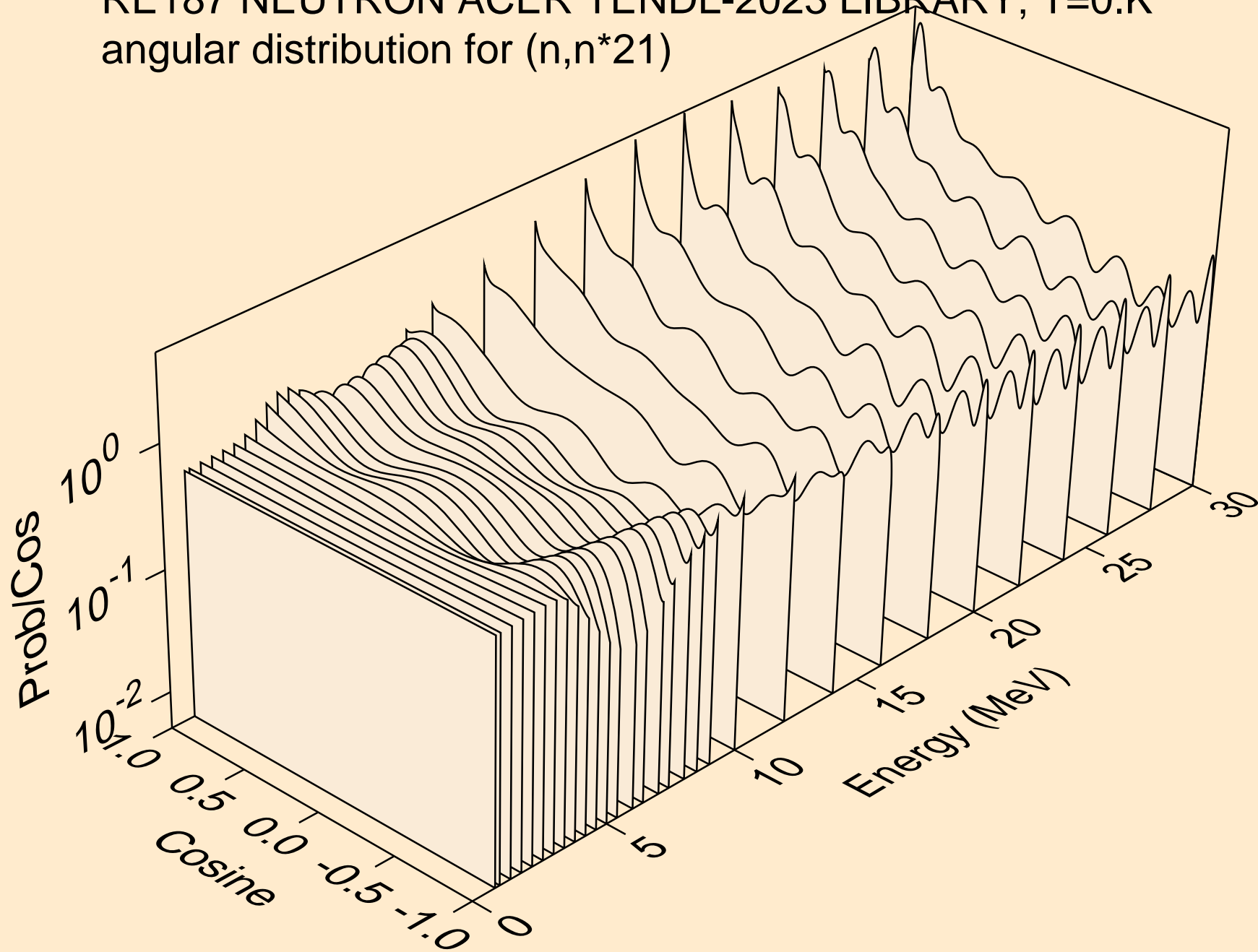
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angular distribution for (n,n\*19)



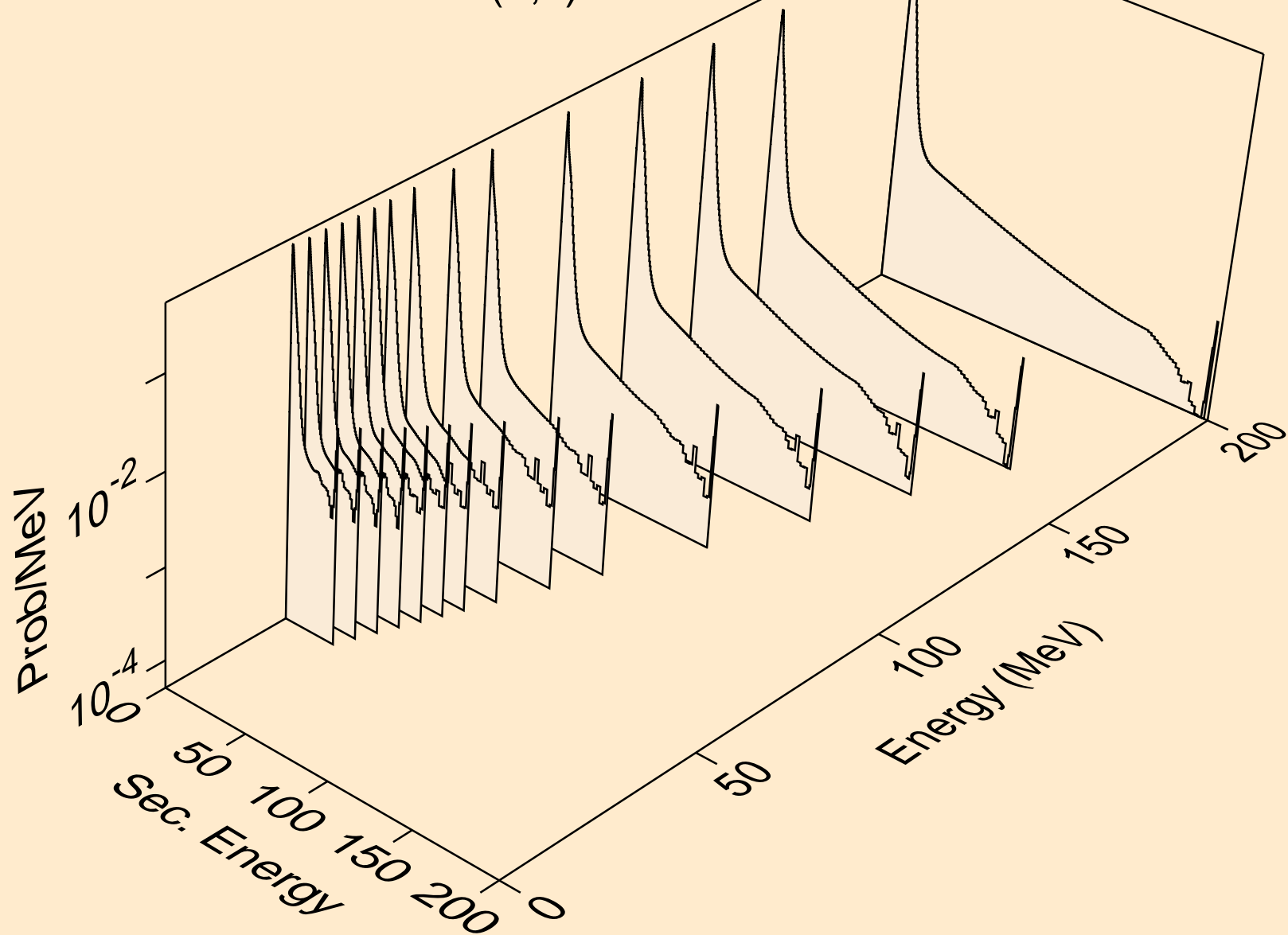
RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*20)



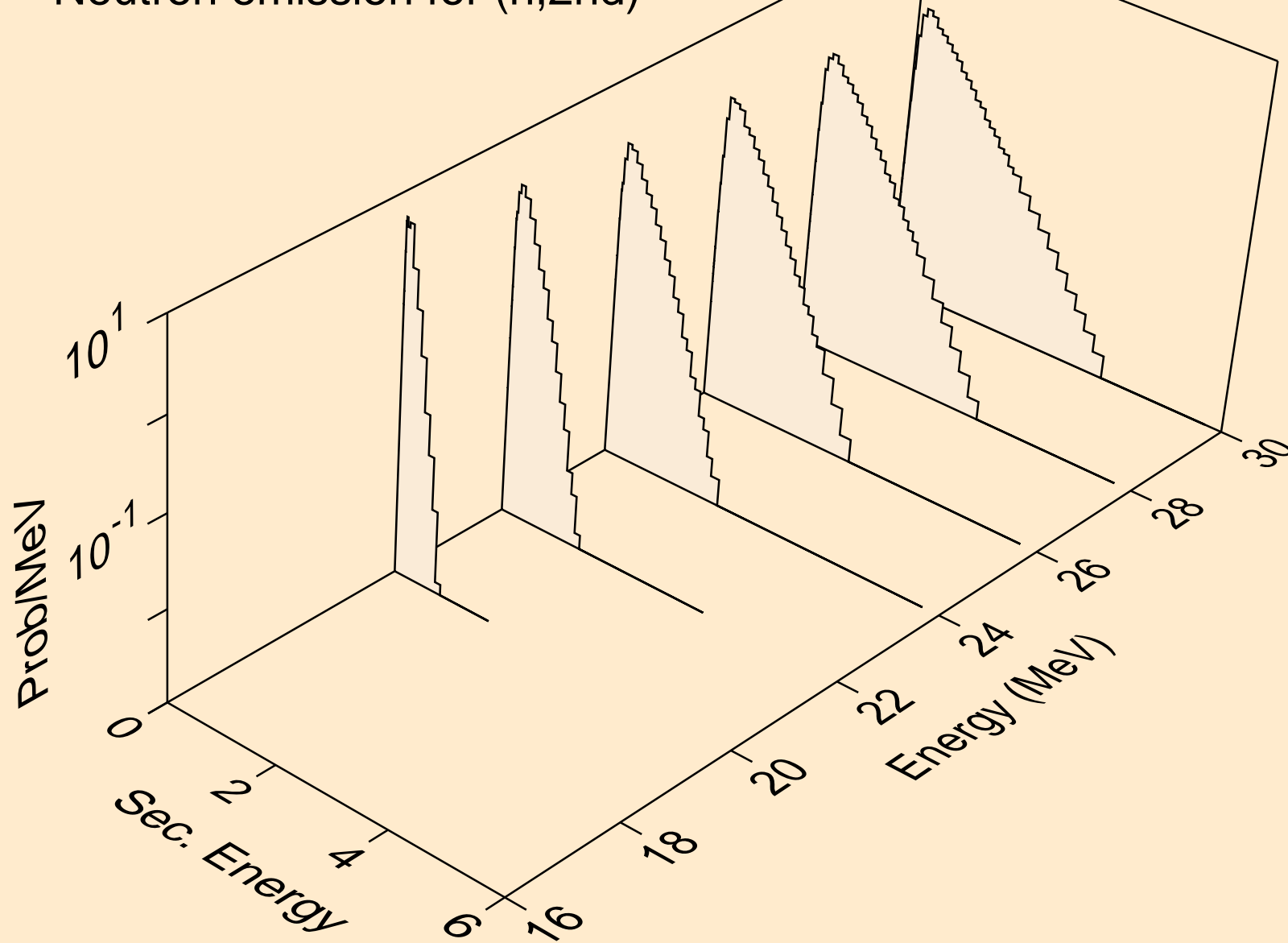
RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*21)



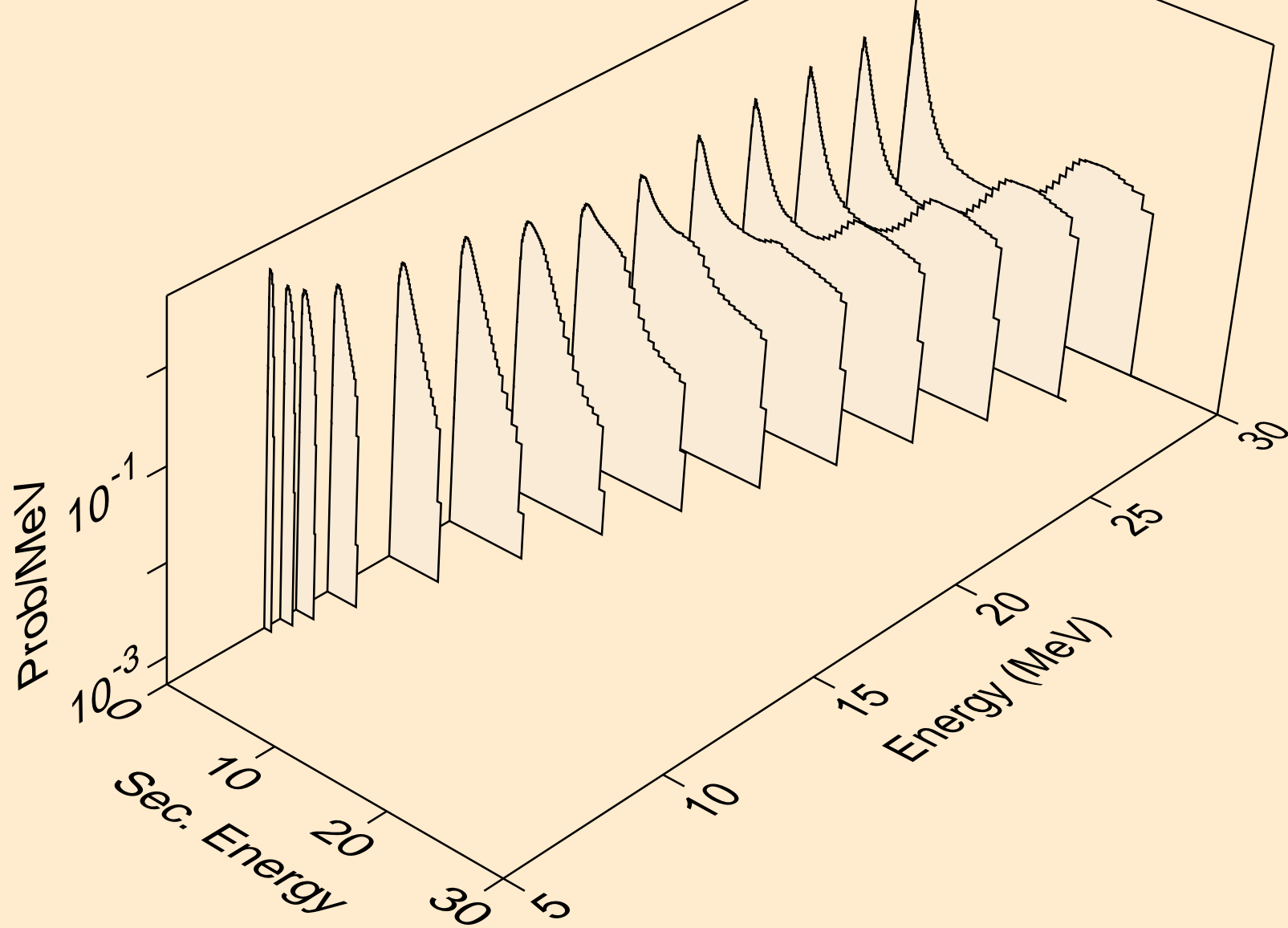
RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,x)



RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2nd)

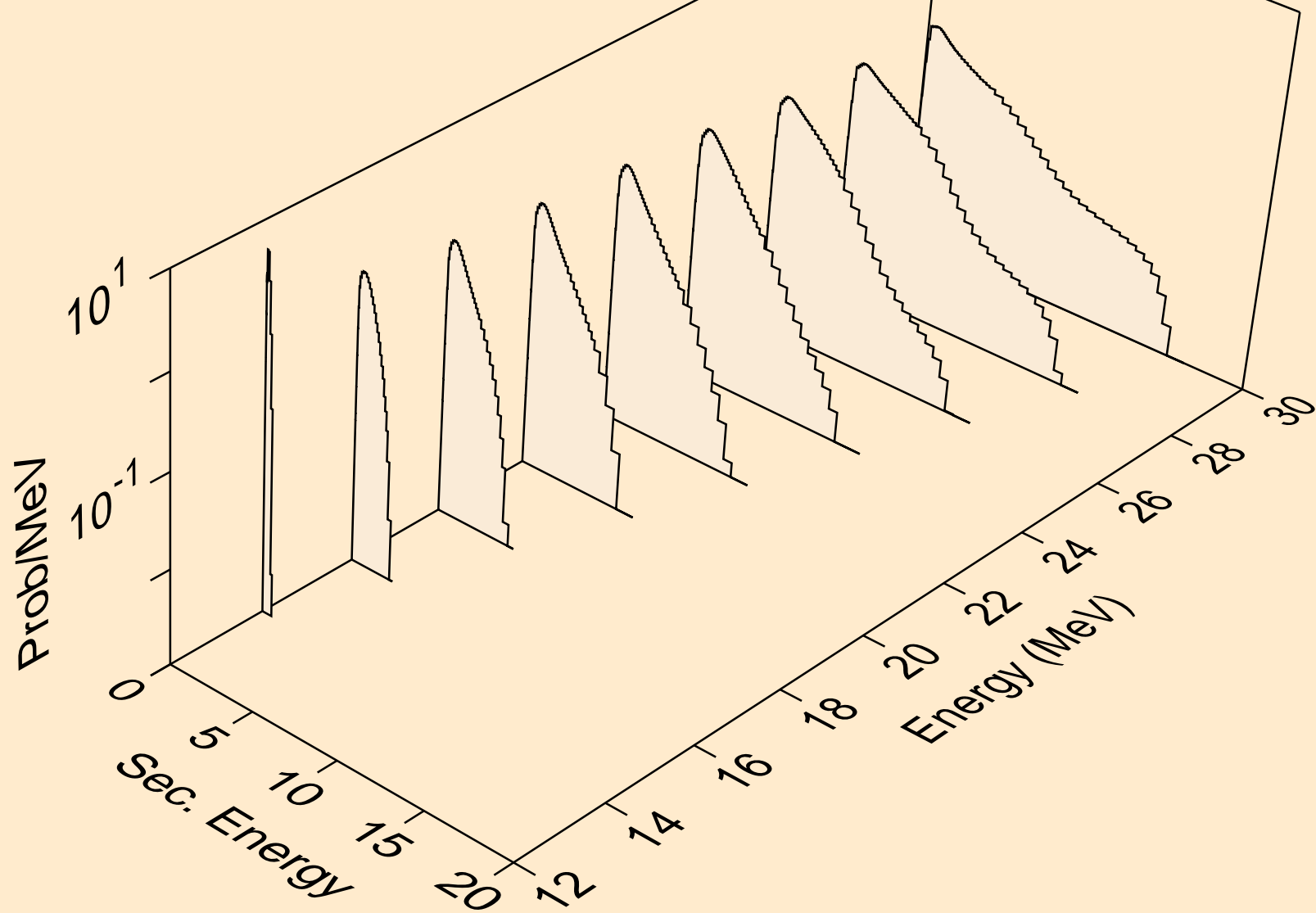


RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)

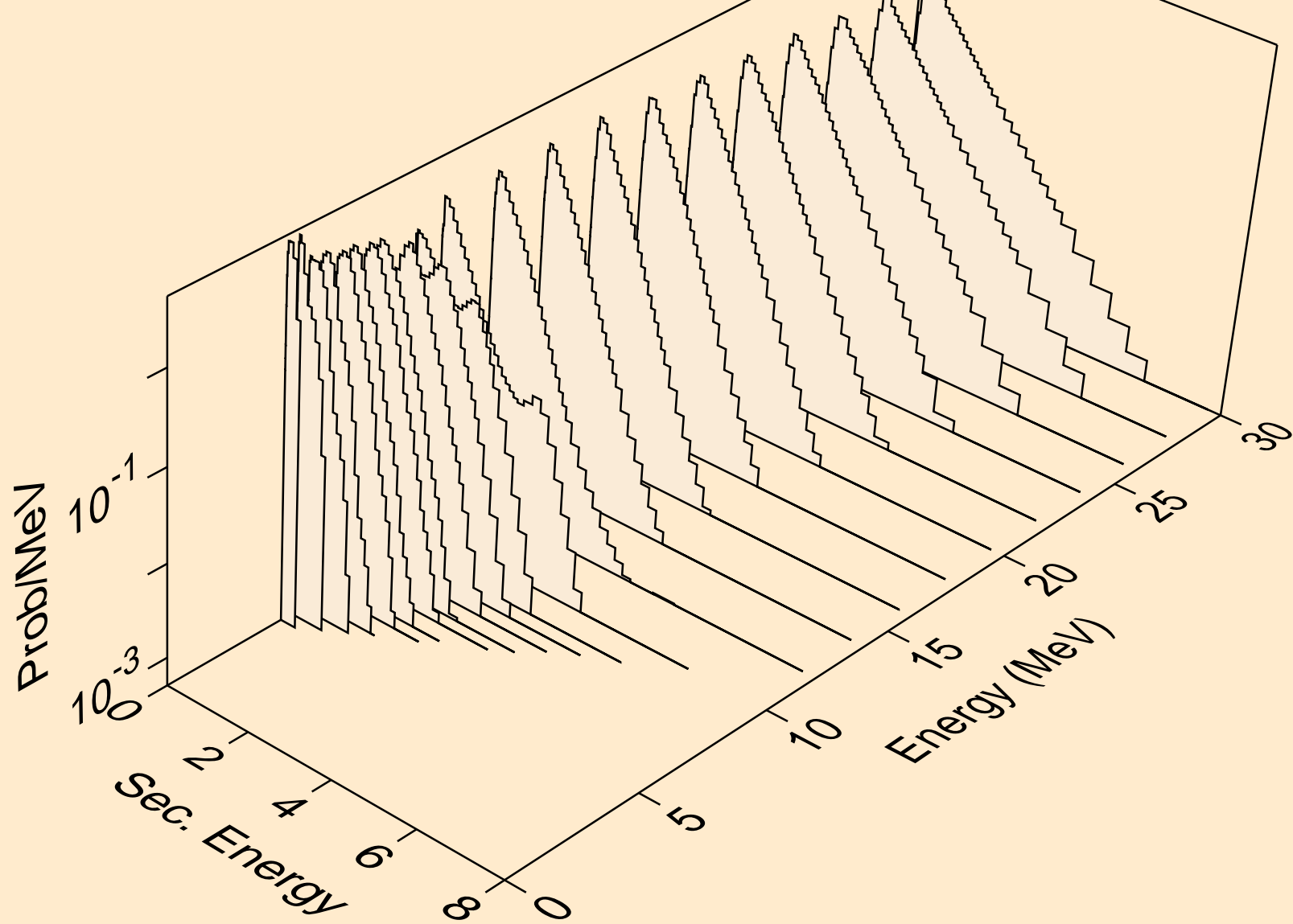




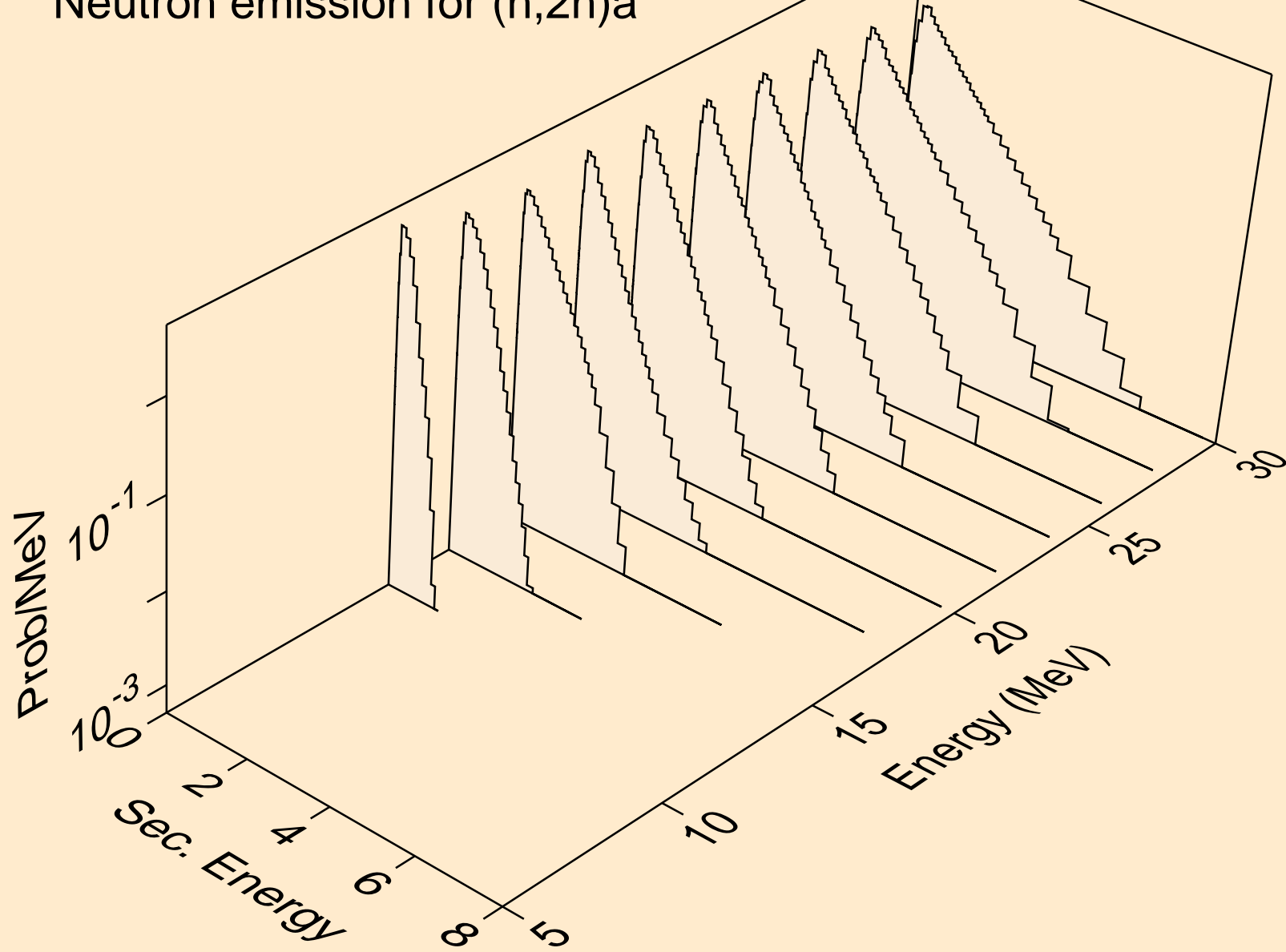
RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)



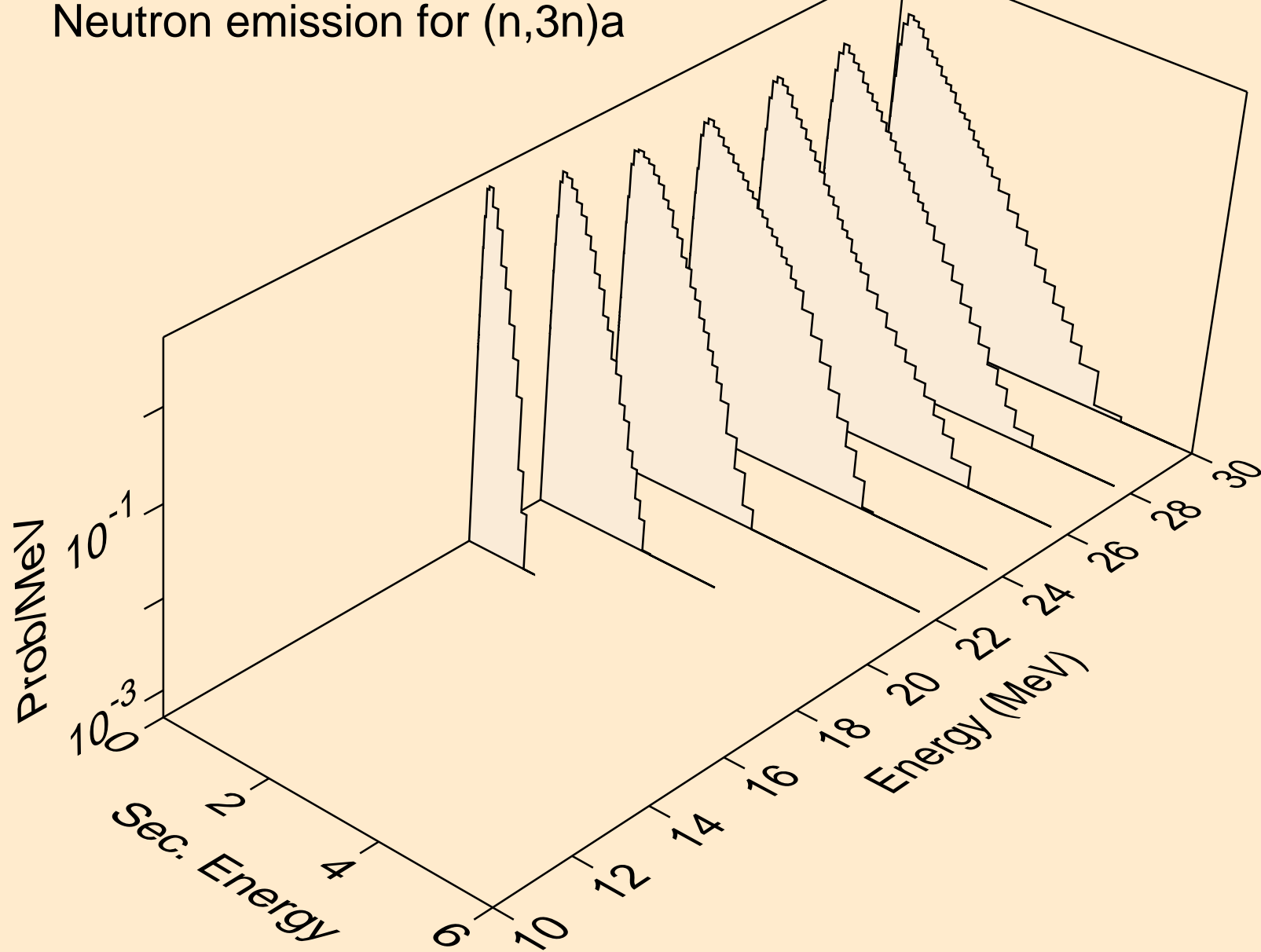
RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



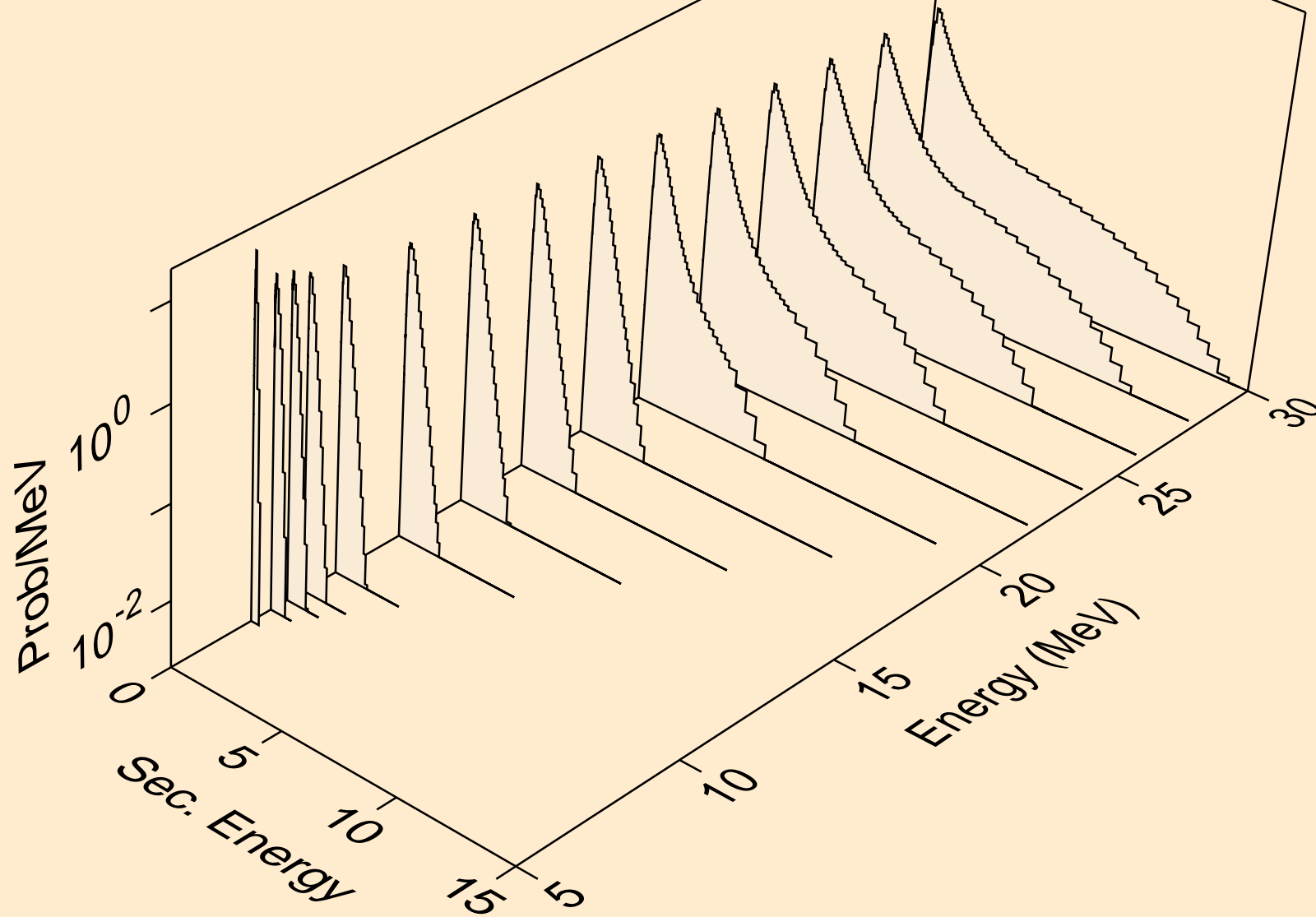
RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)<sub>a</sub>



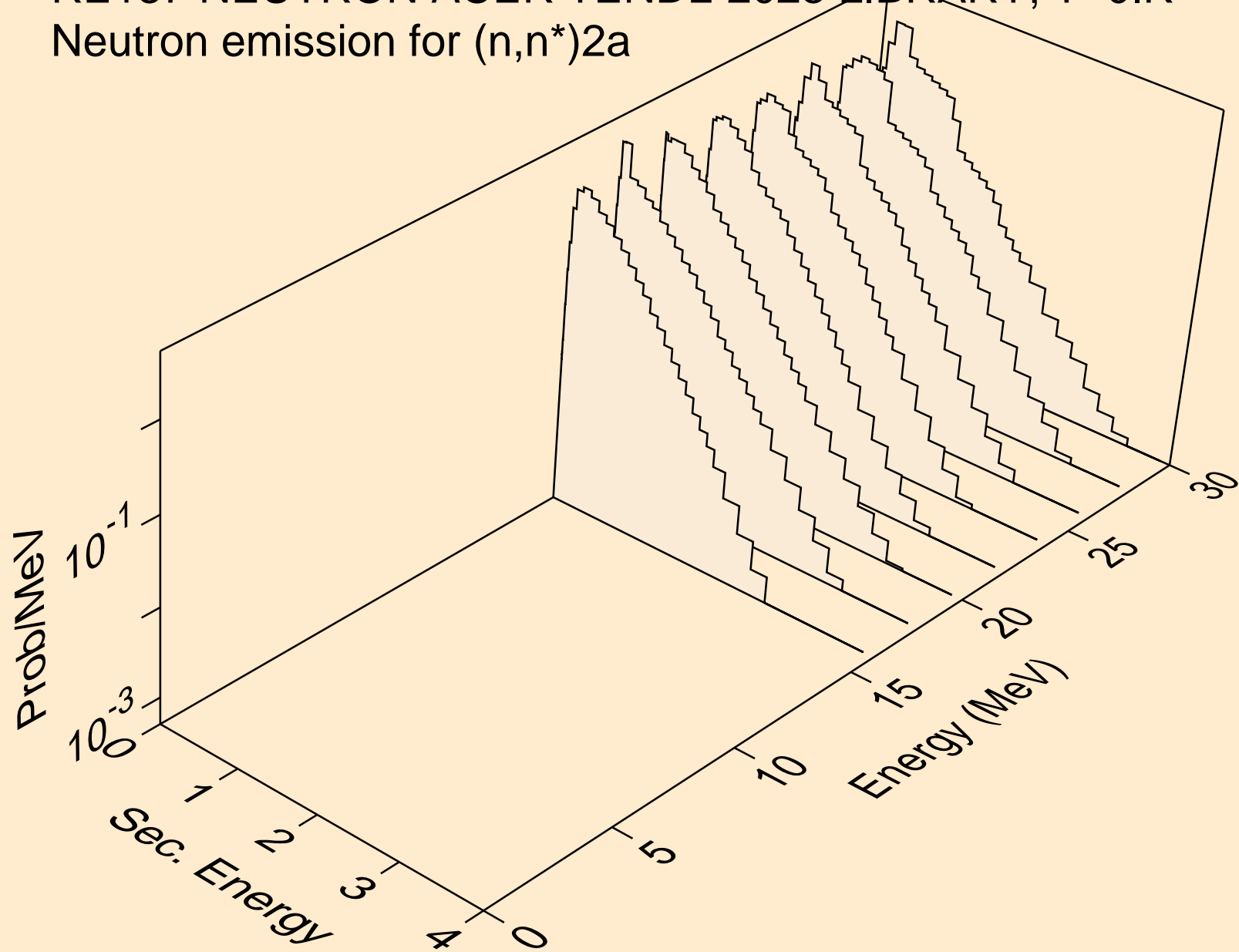
RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)a



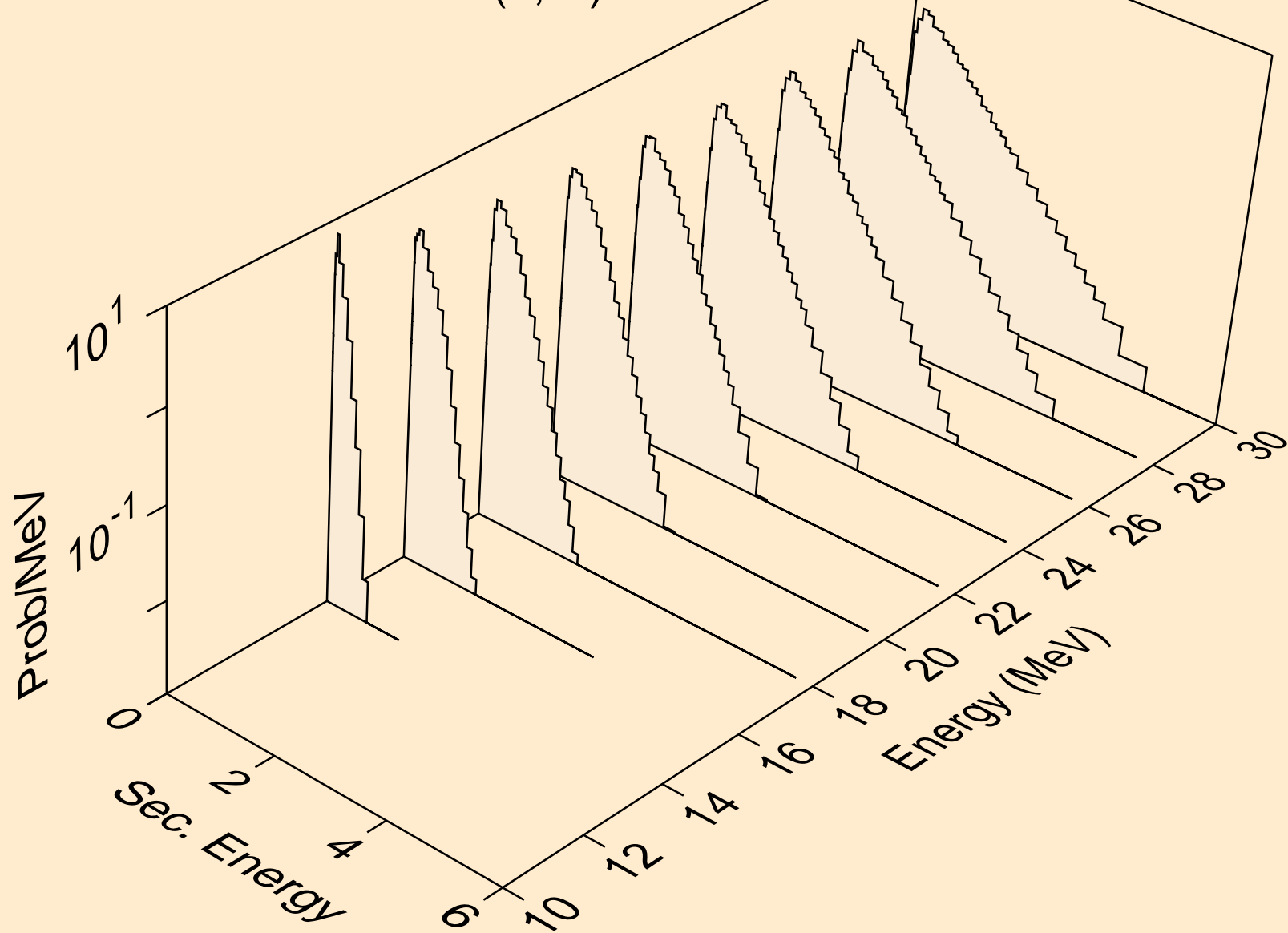
RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



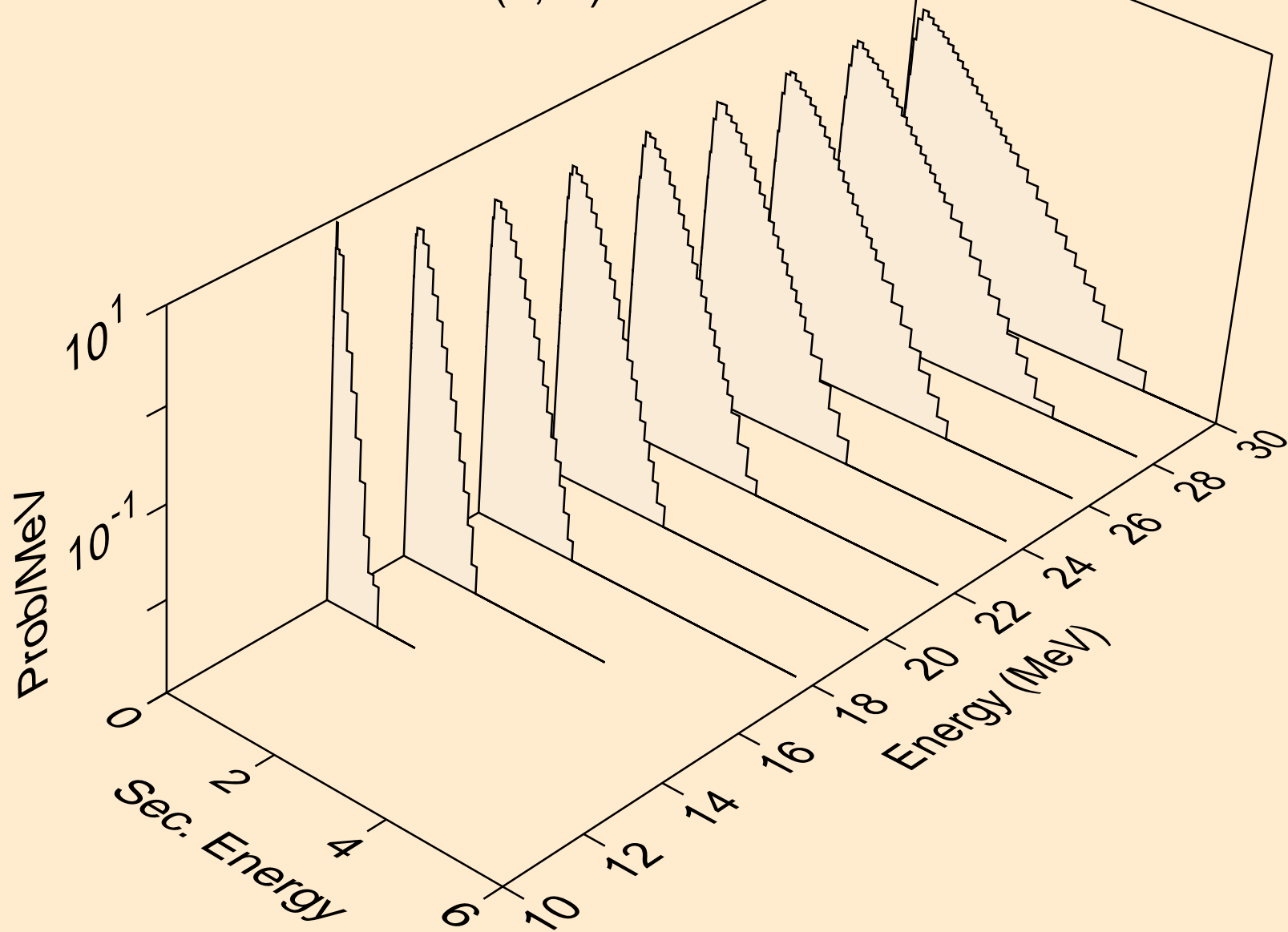
RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)2a



RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d

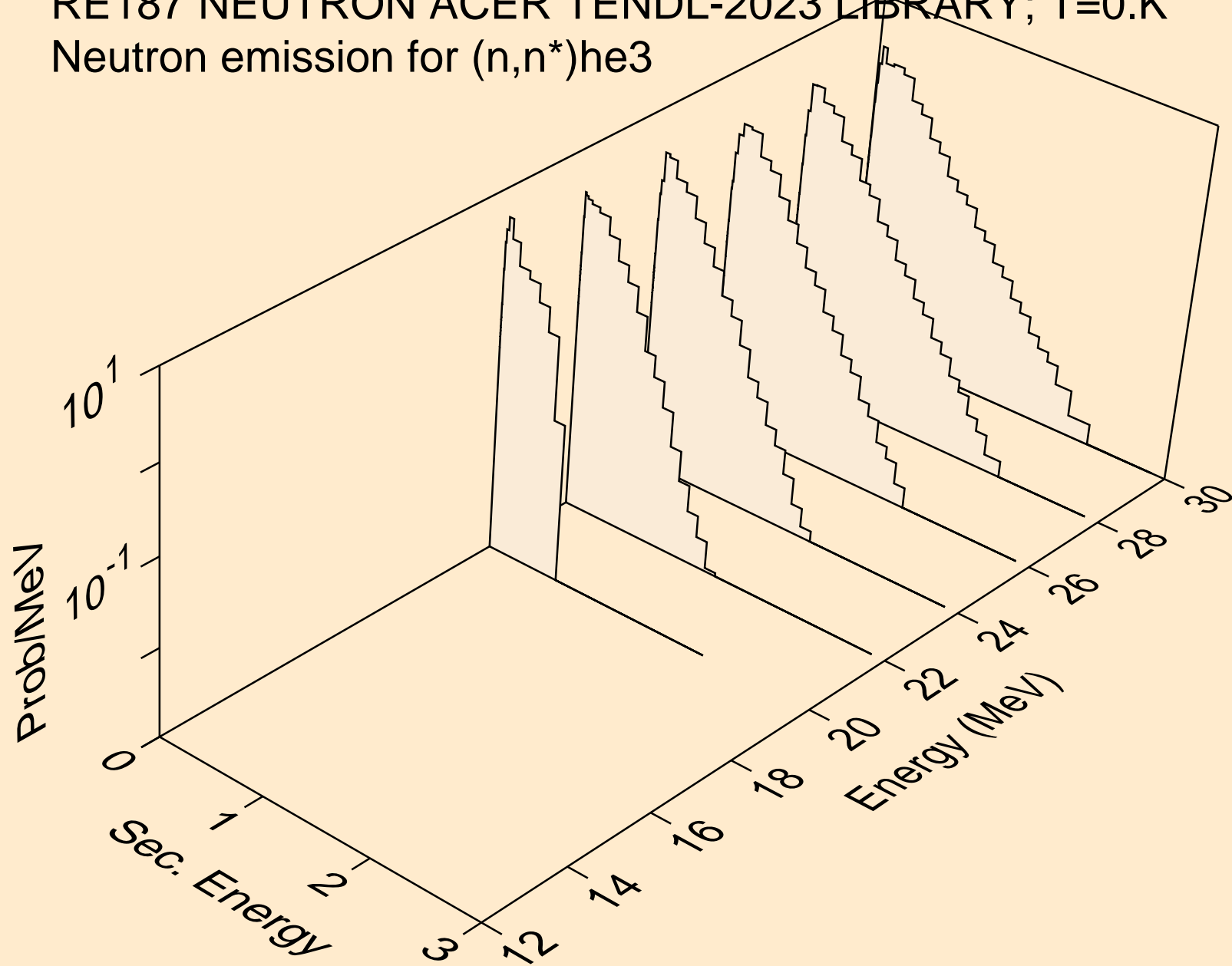


RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t

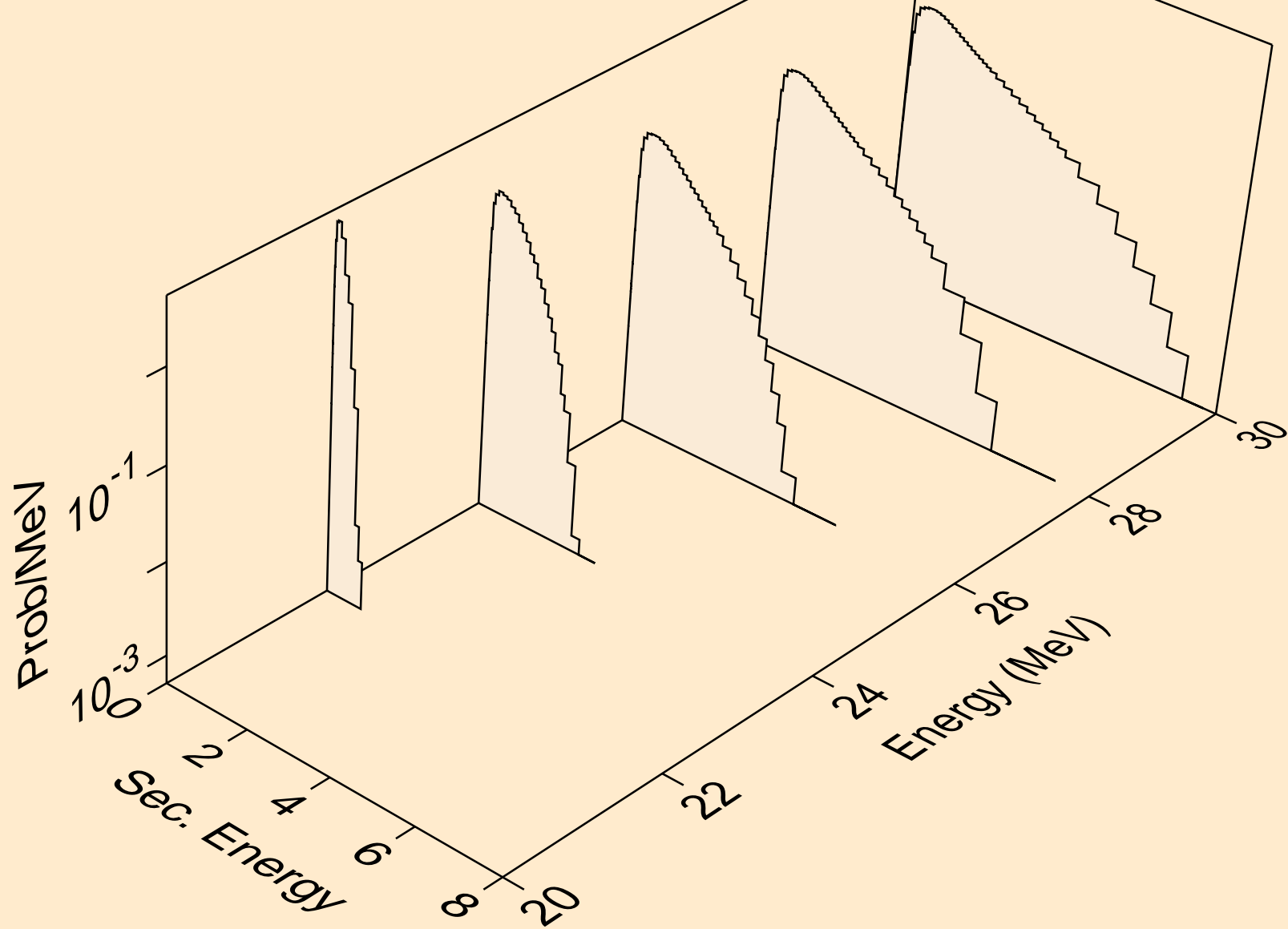




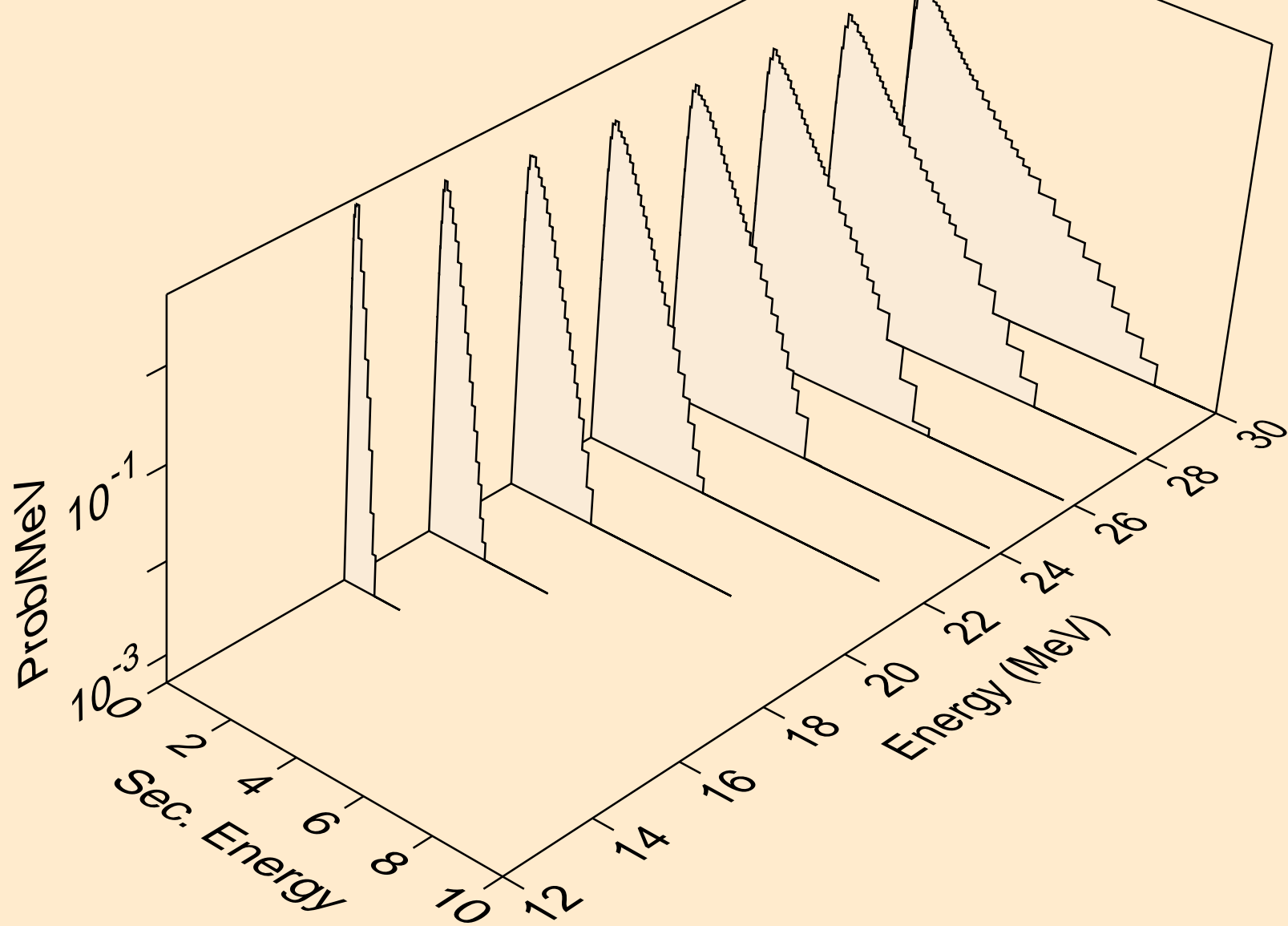
RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



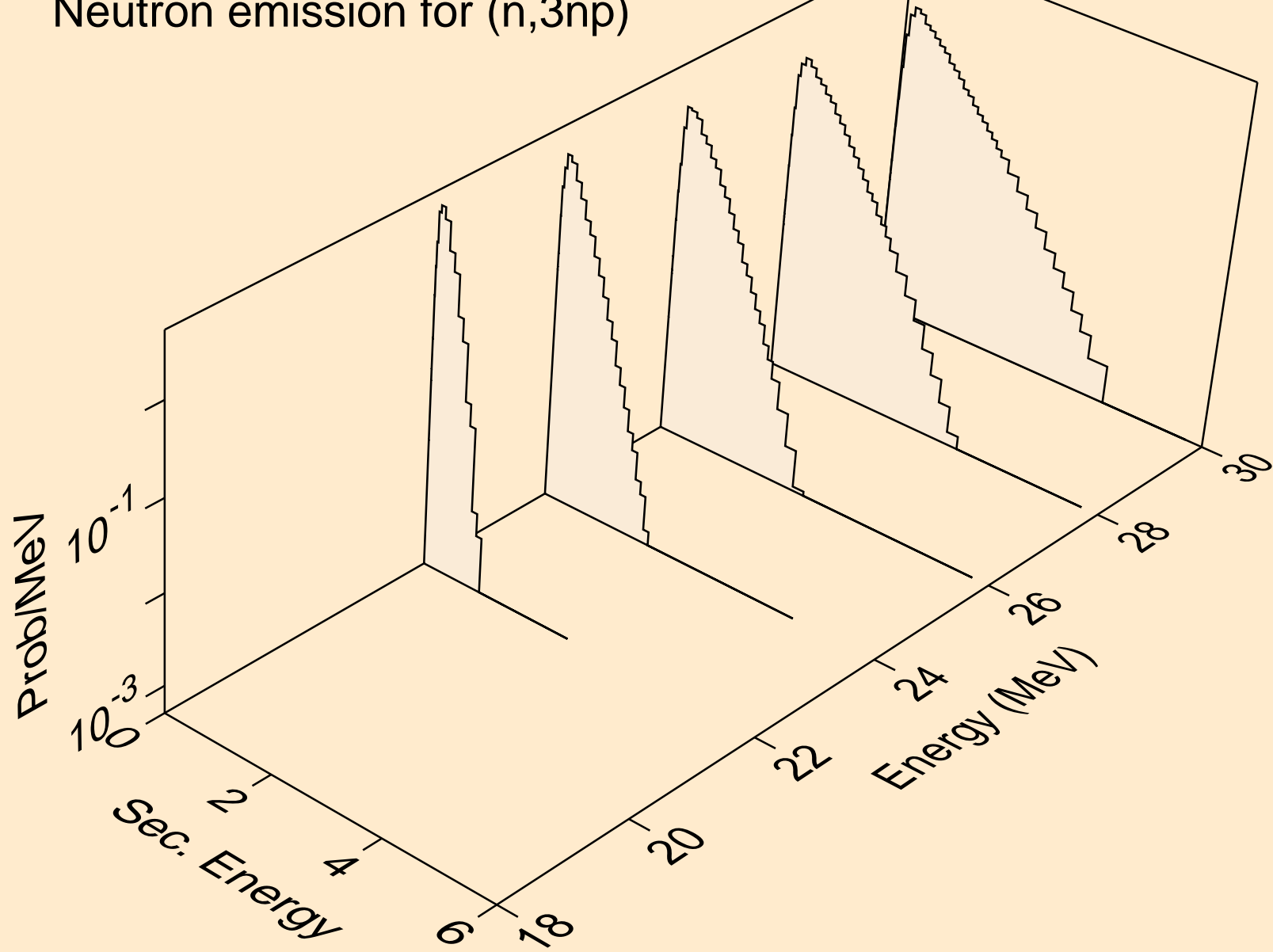
RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,4n)



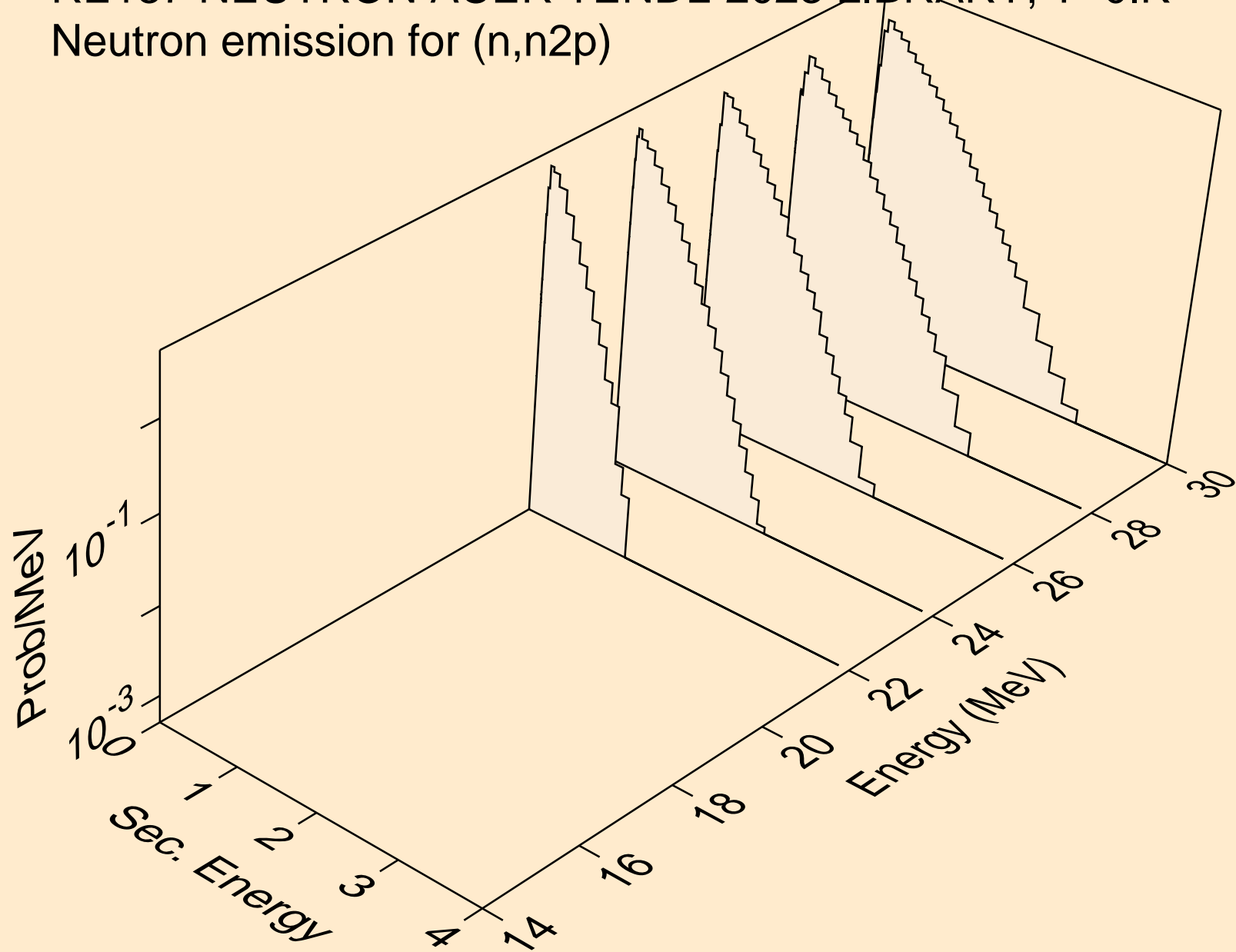
RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2np)



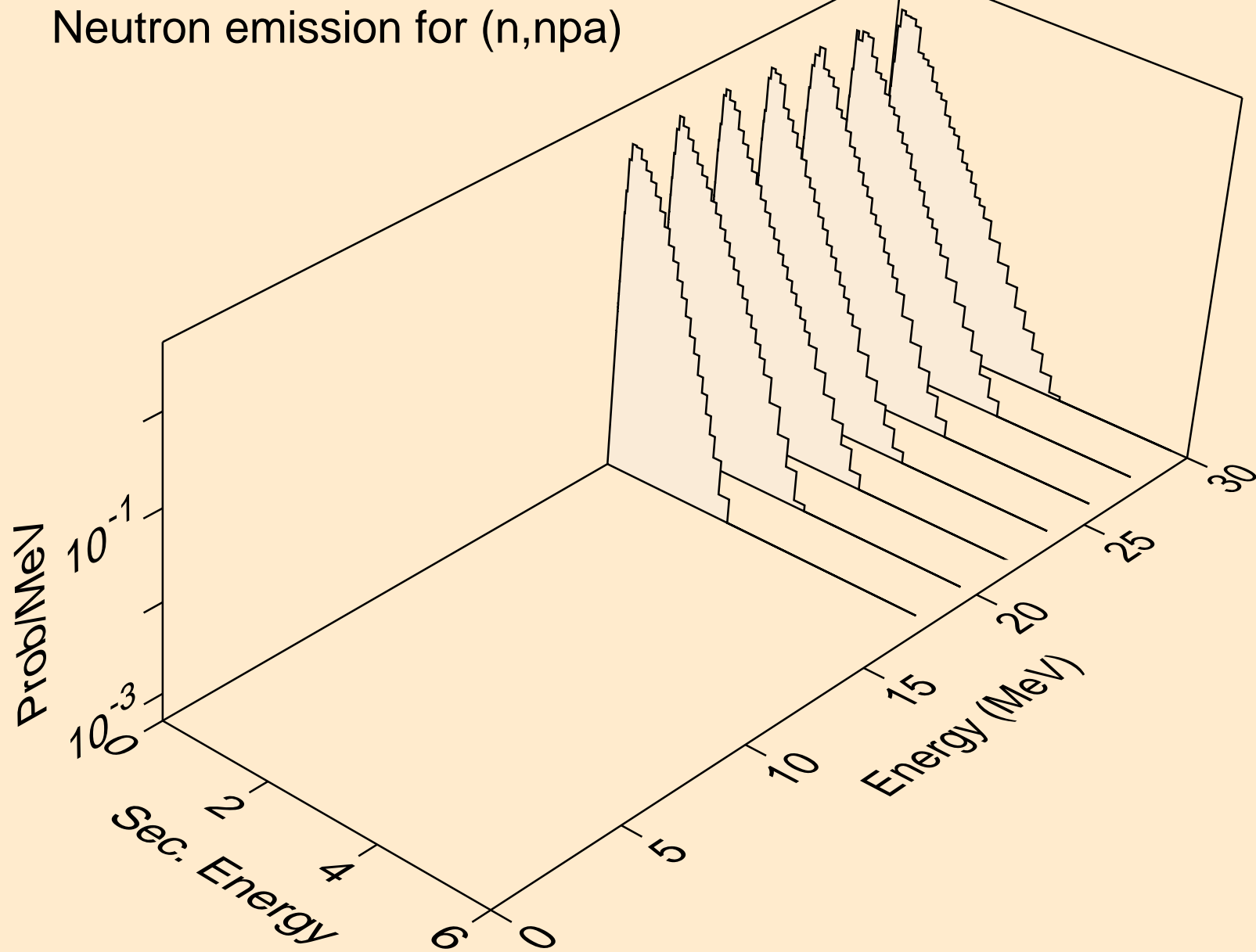
RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3np)



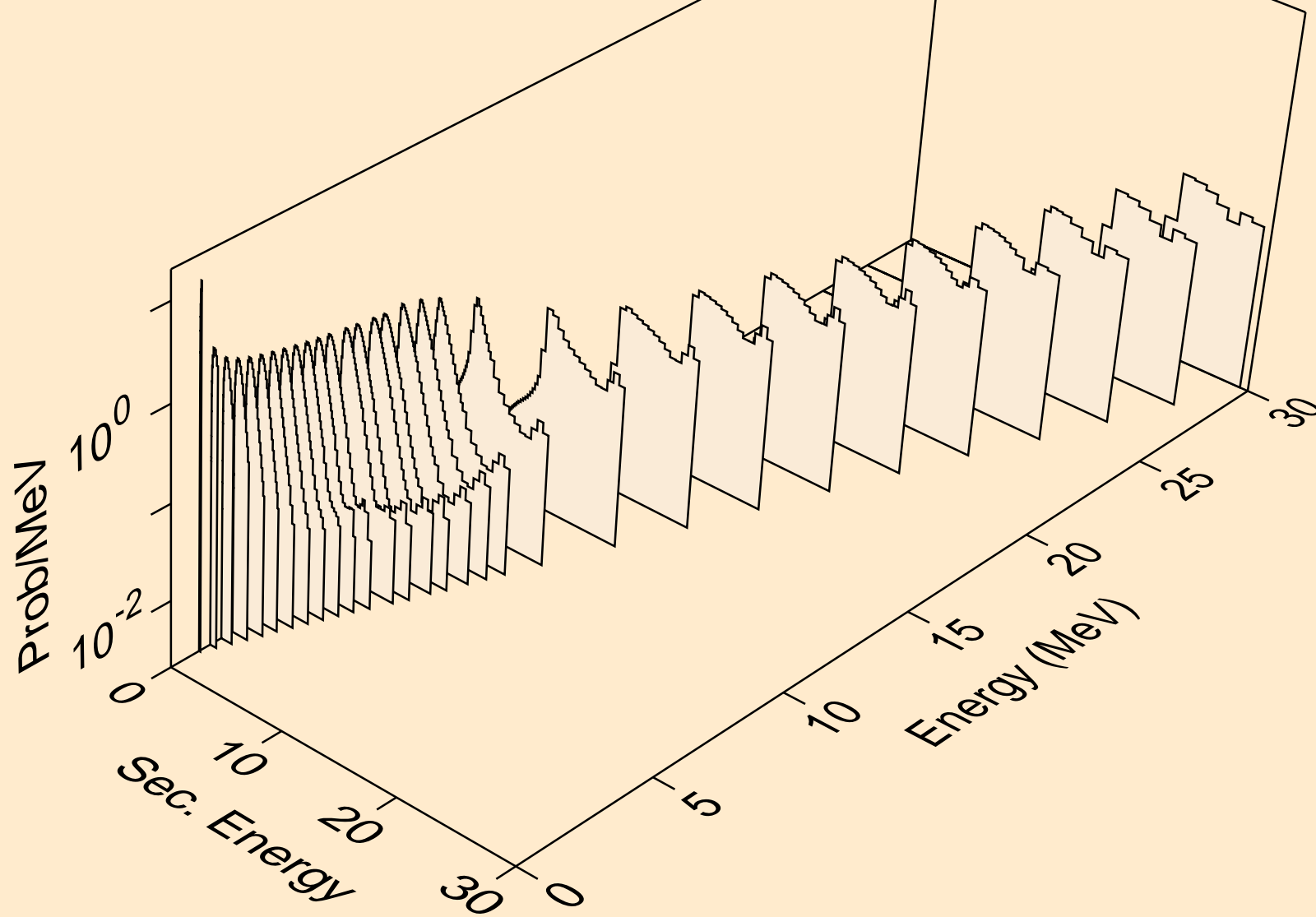
RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n2p)



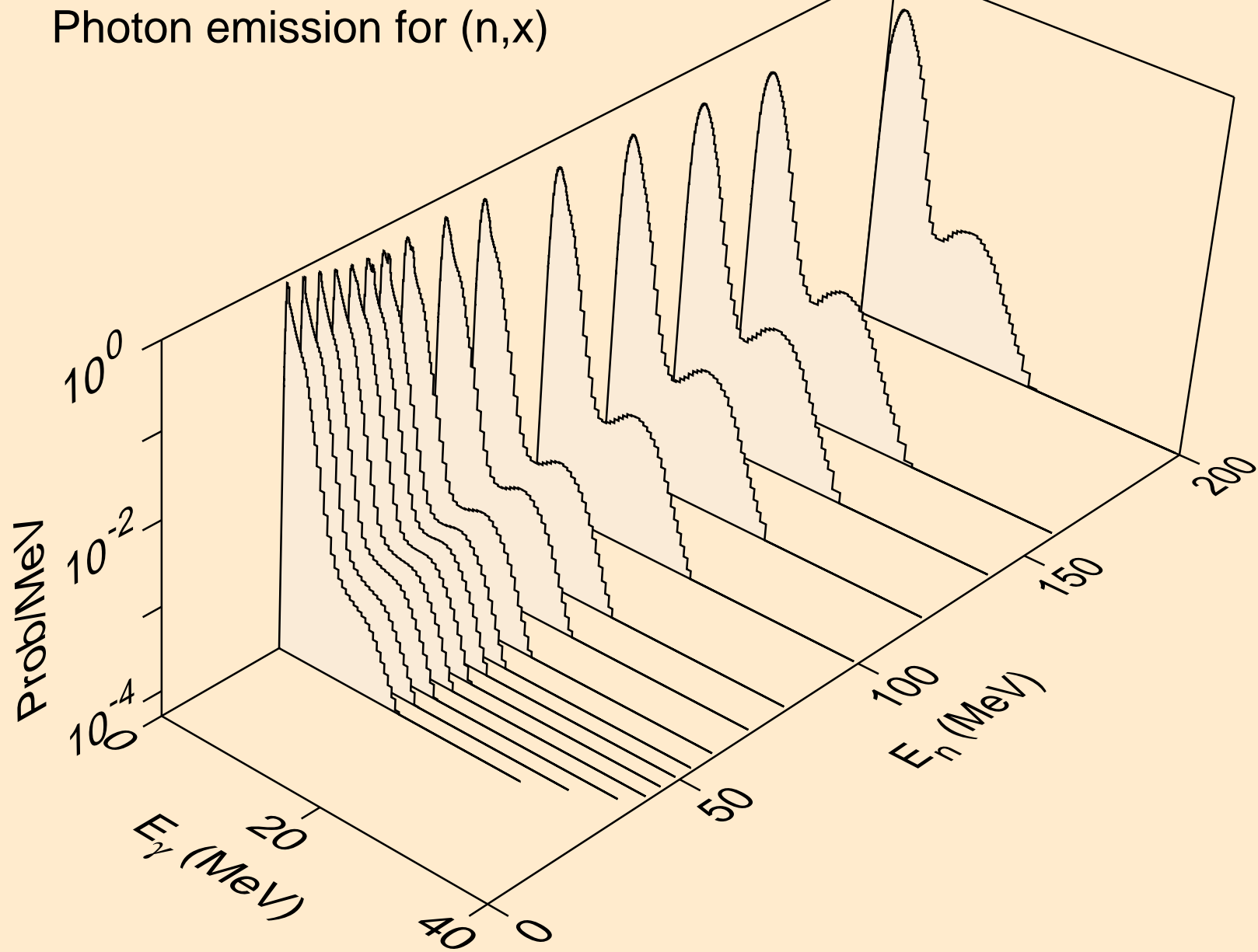
RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,npa)



RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)

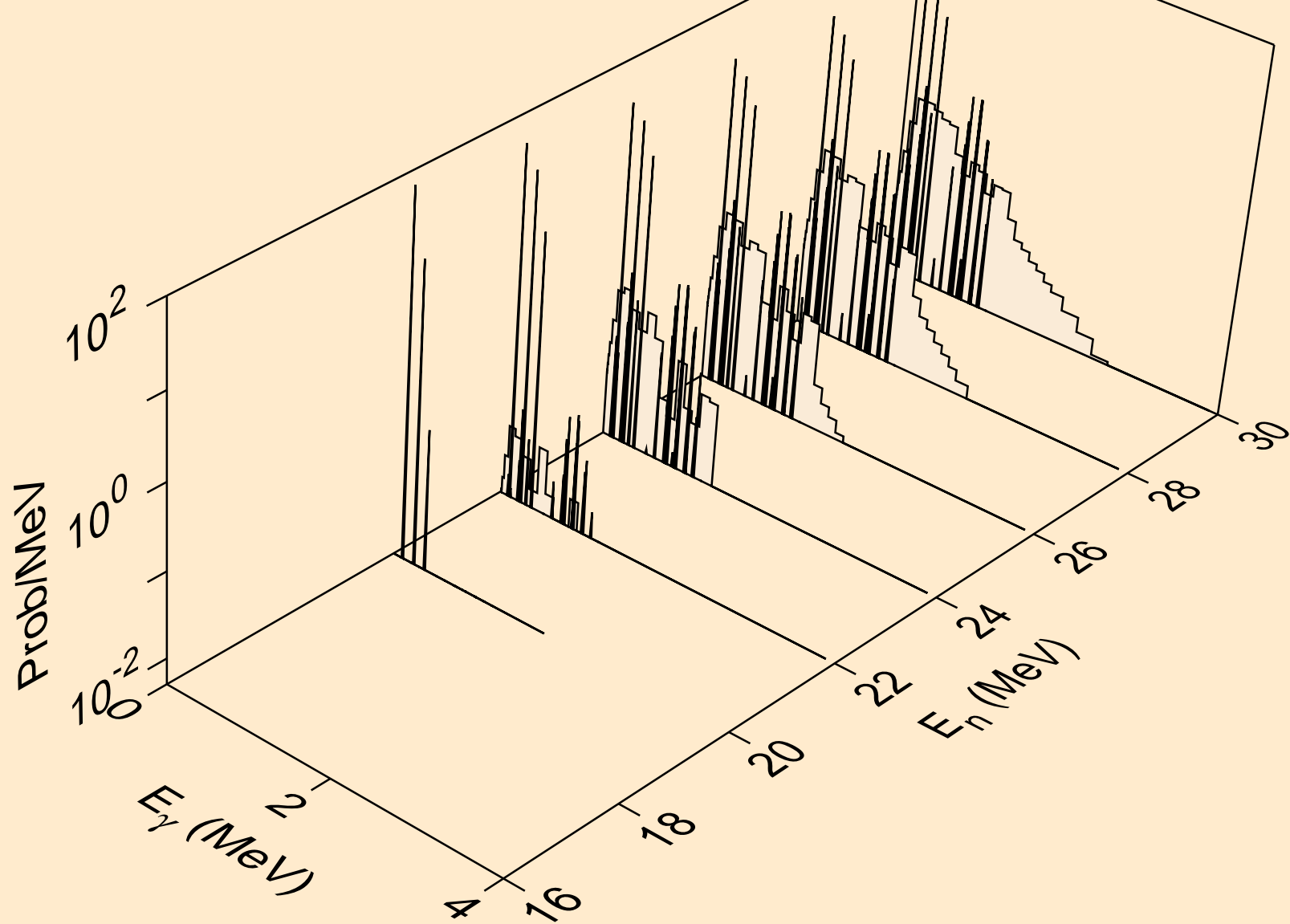


RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,x)

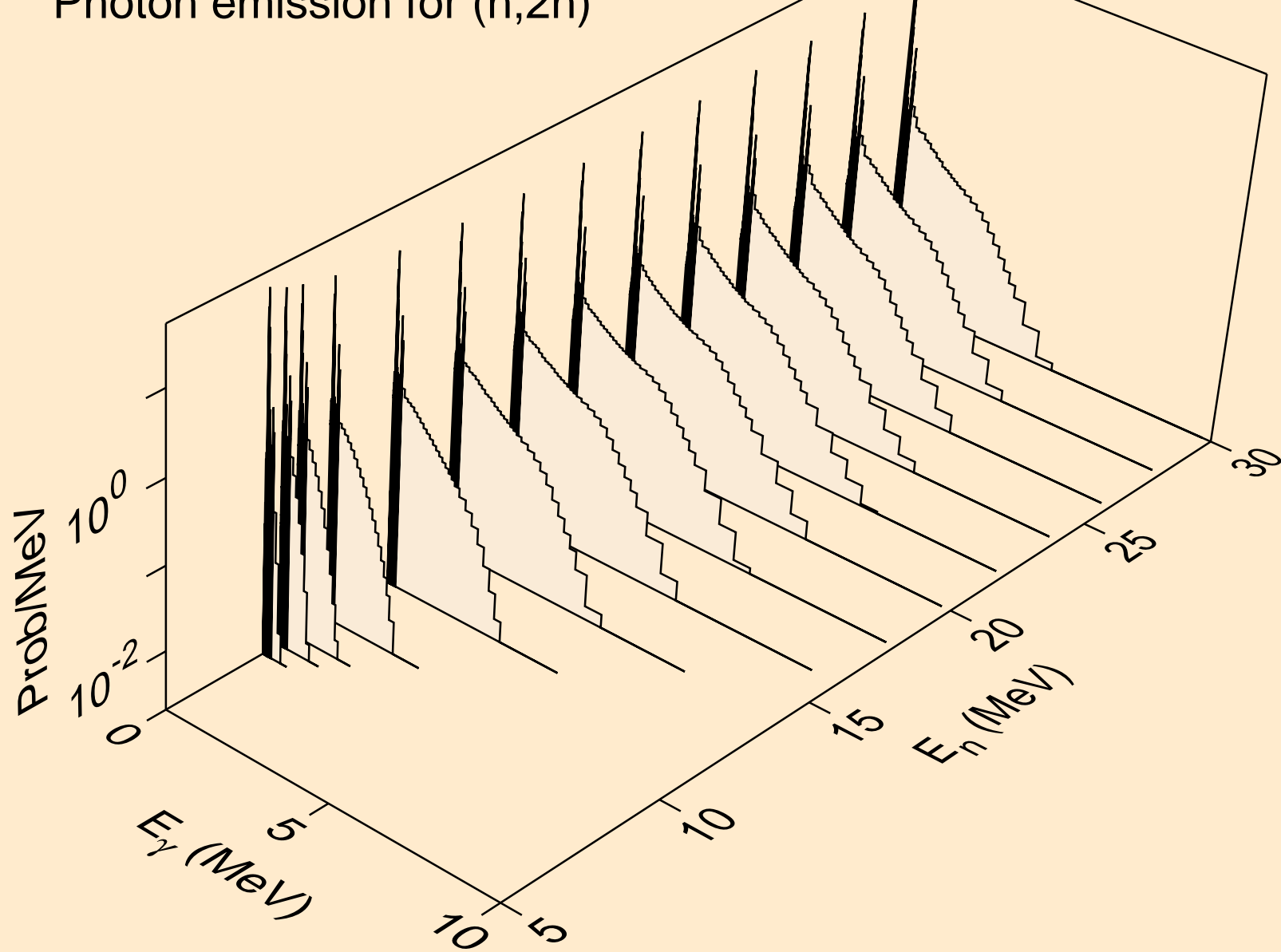




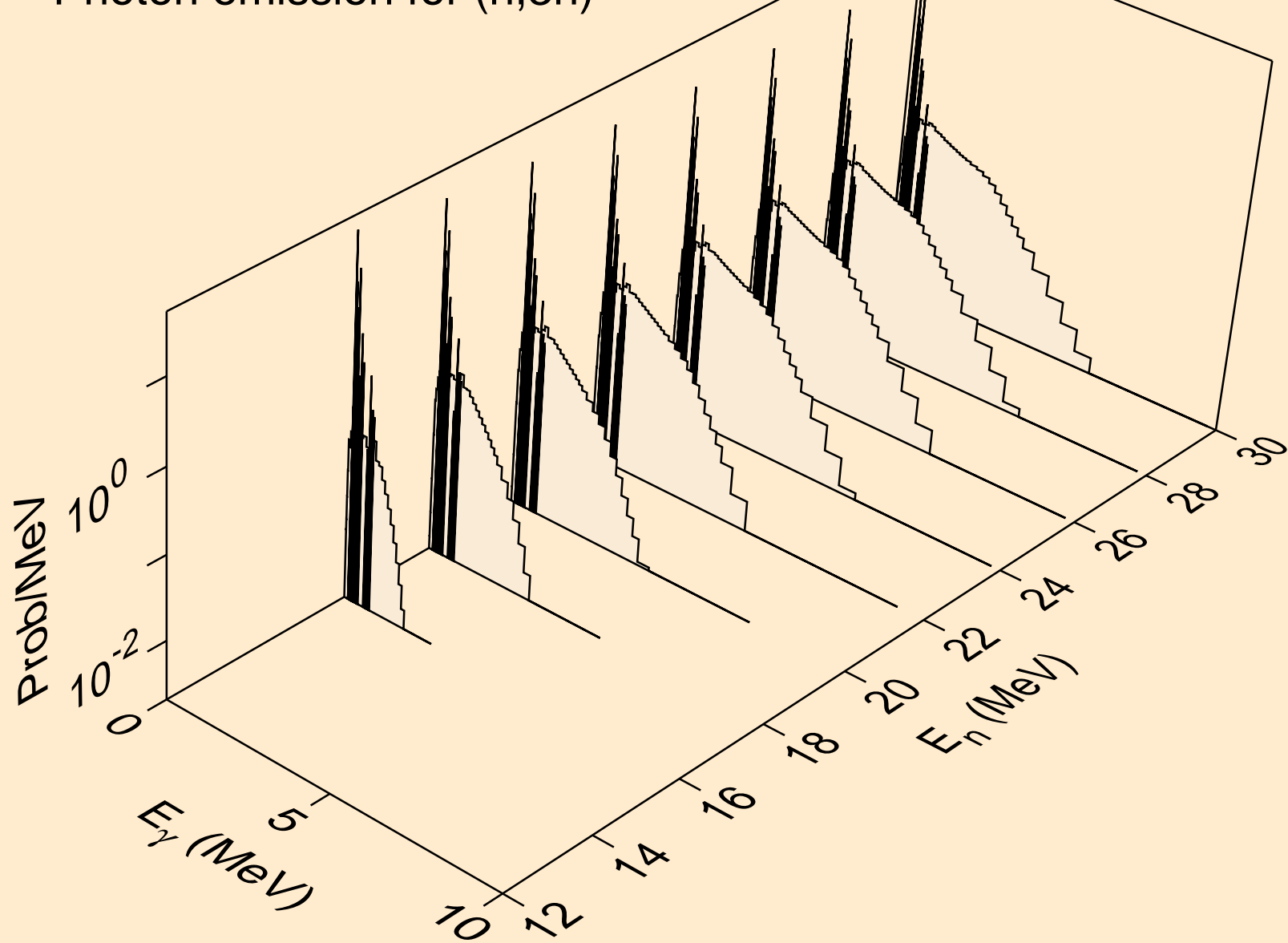
RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



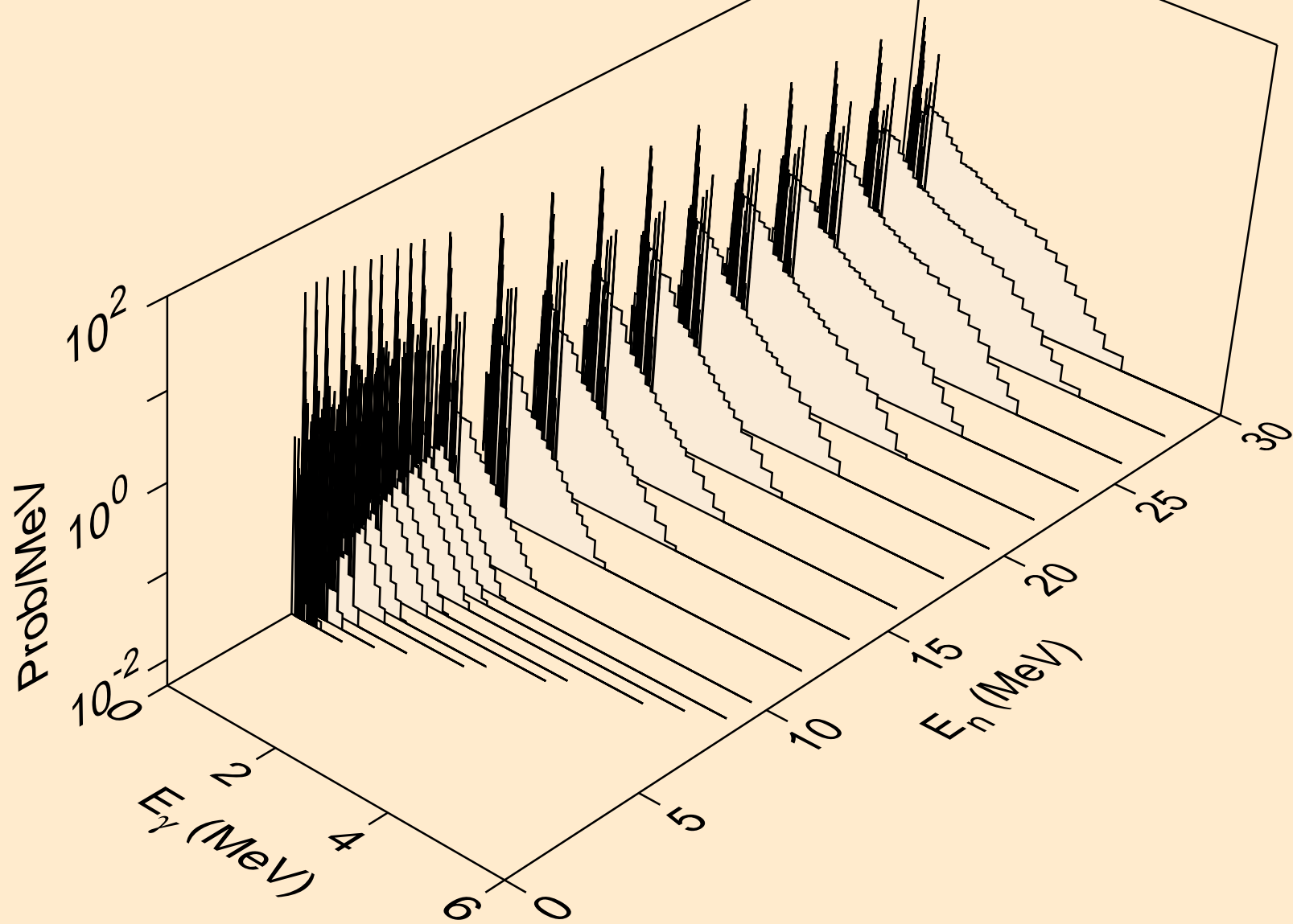
RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



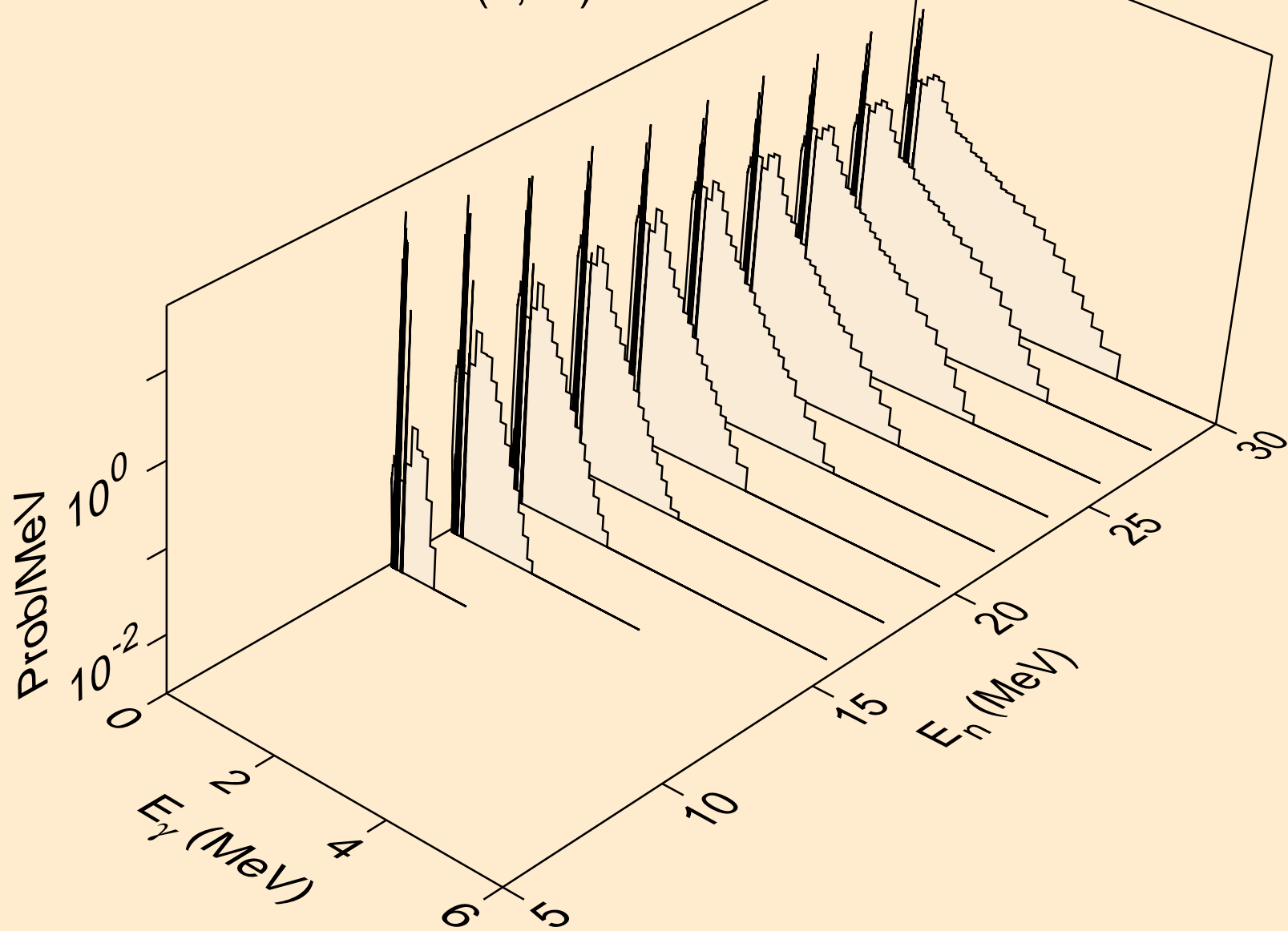
RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



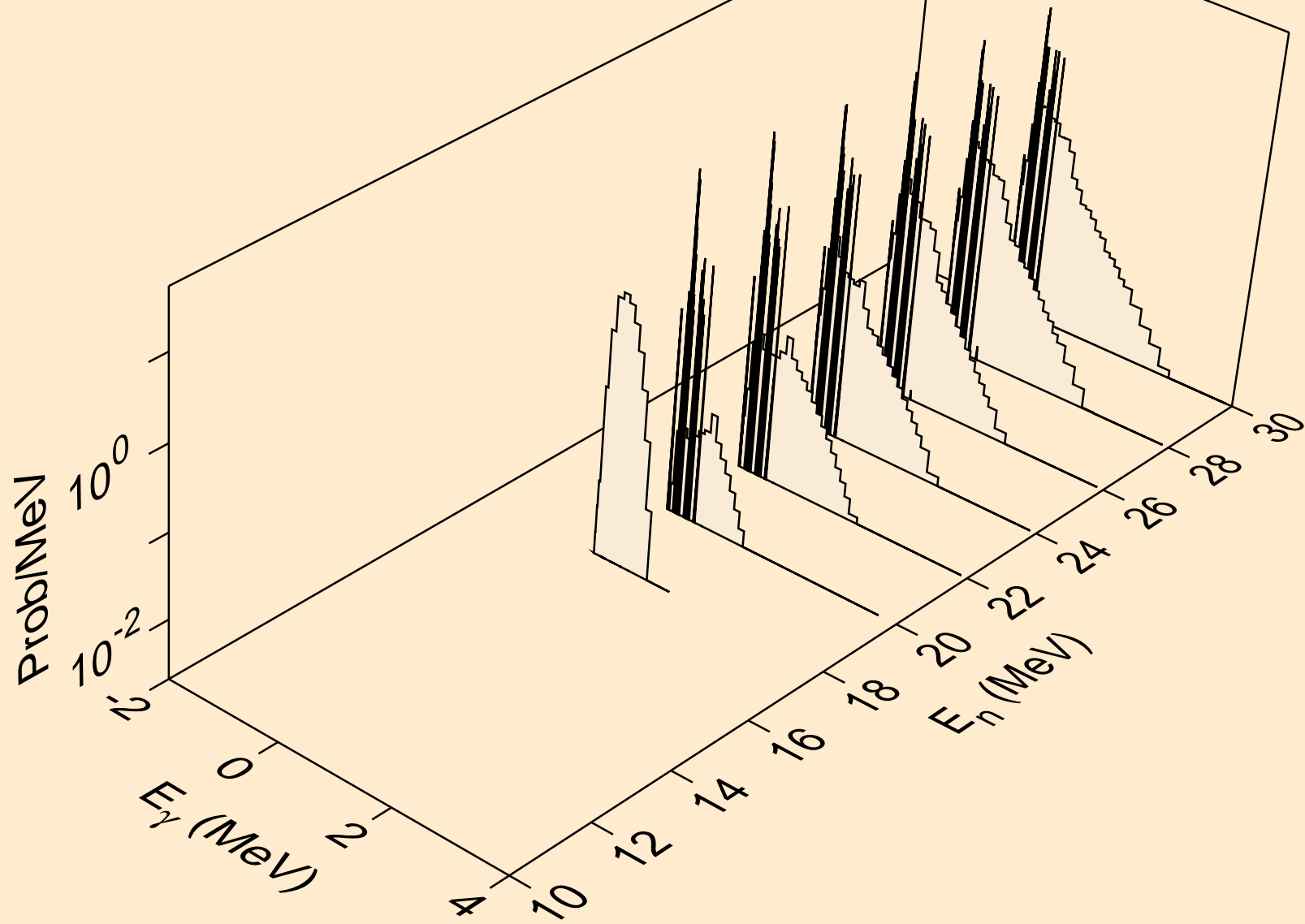
RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



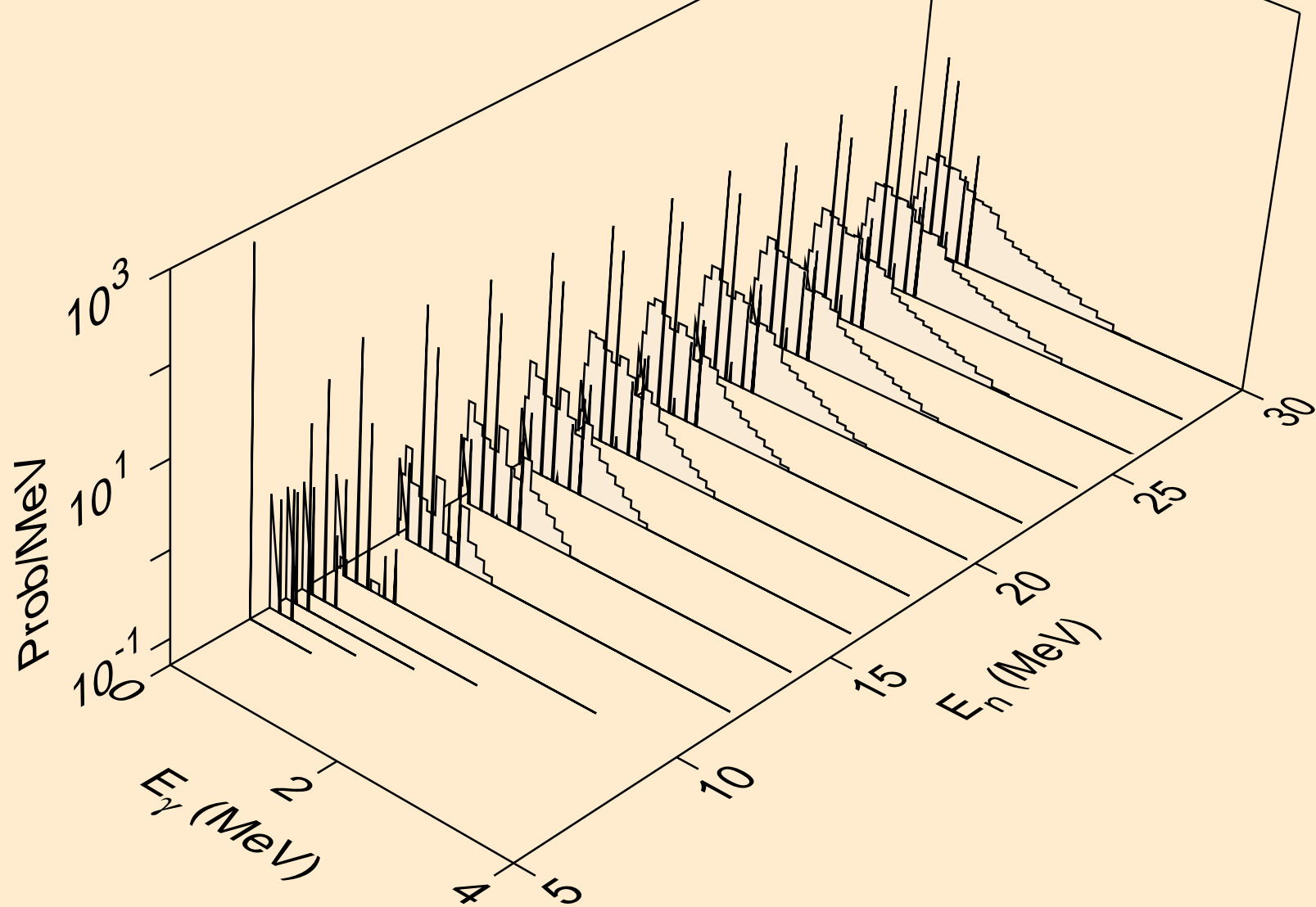
RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a



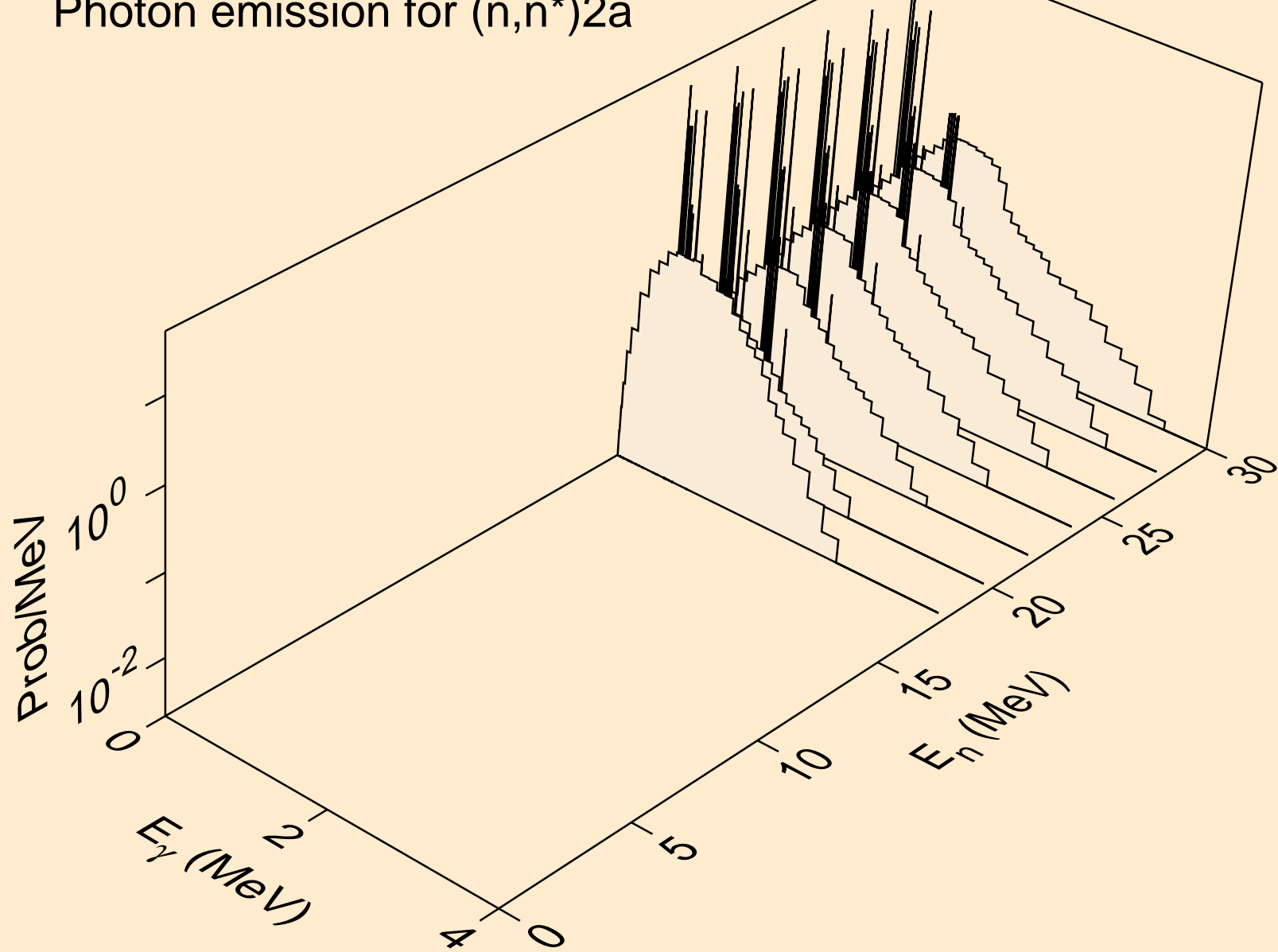
RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)a



RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p

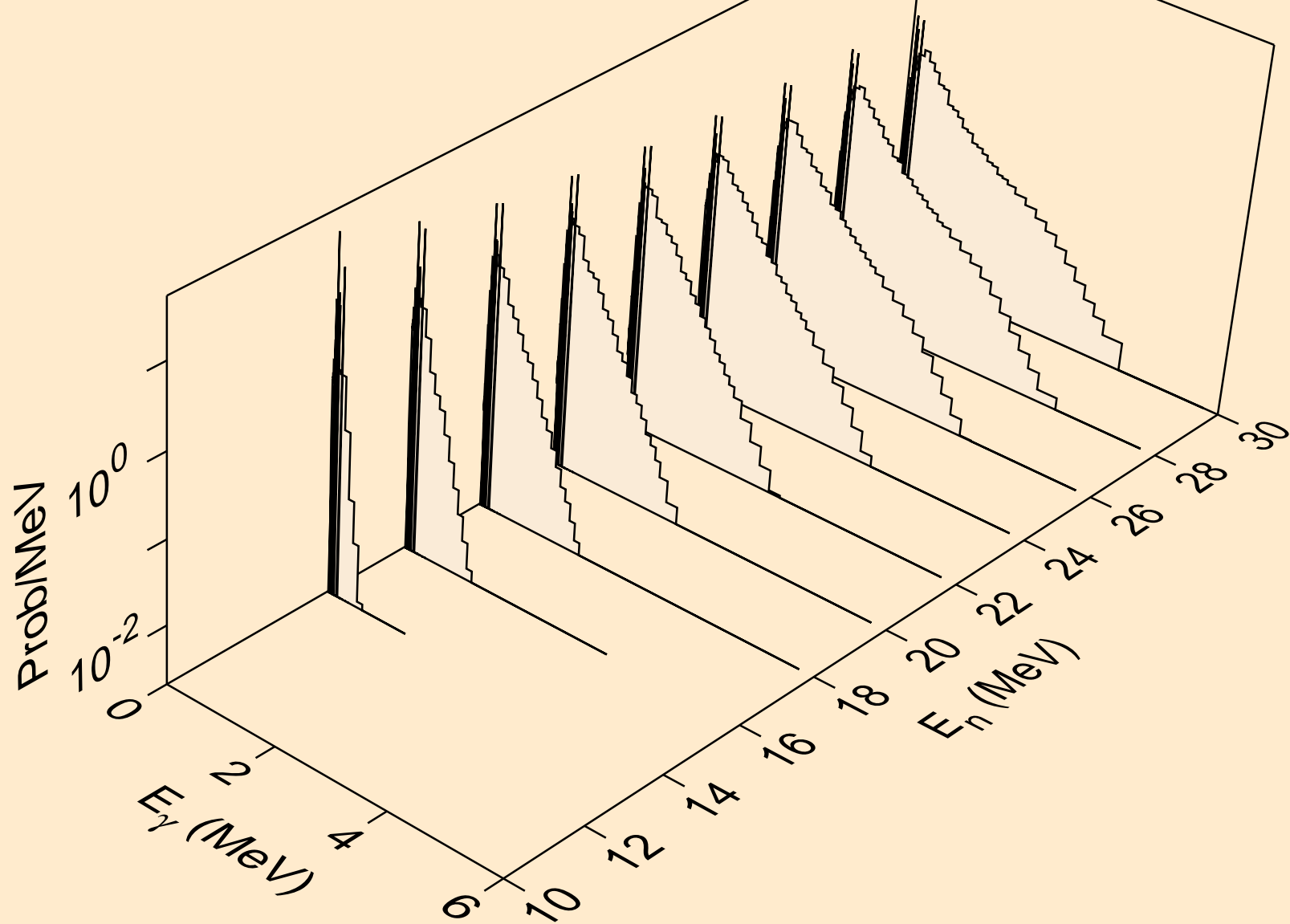


RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a

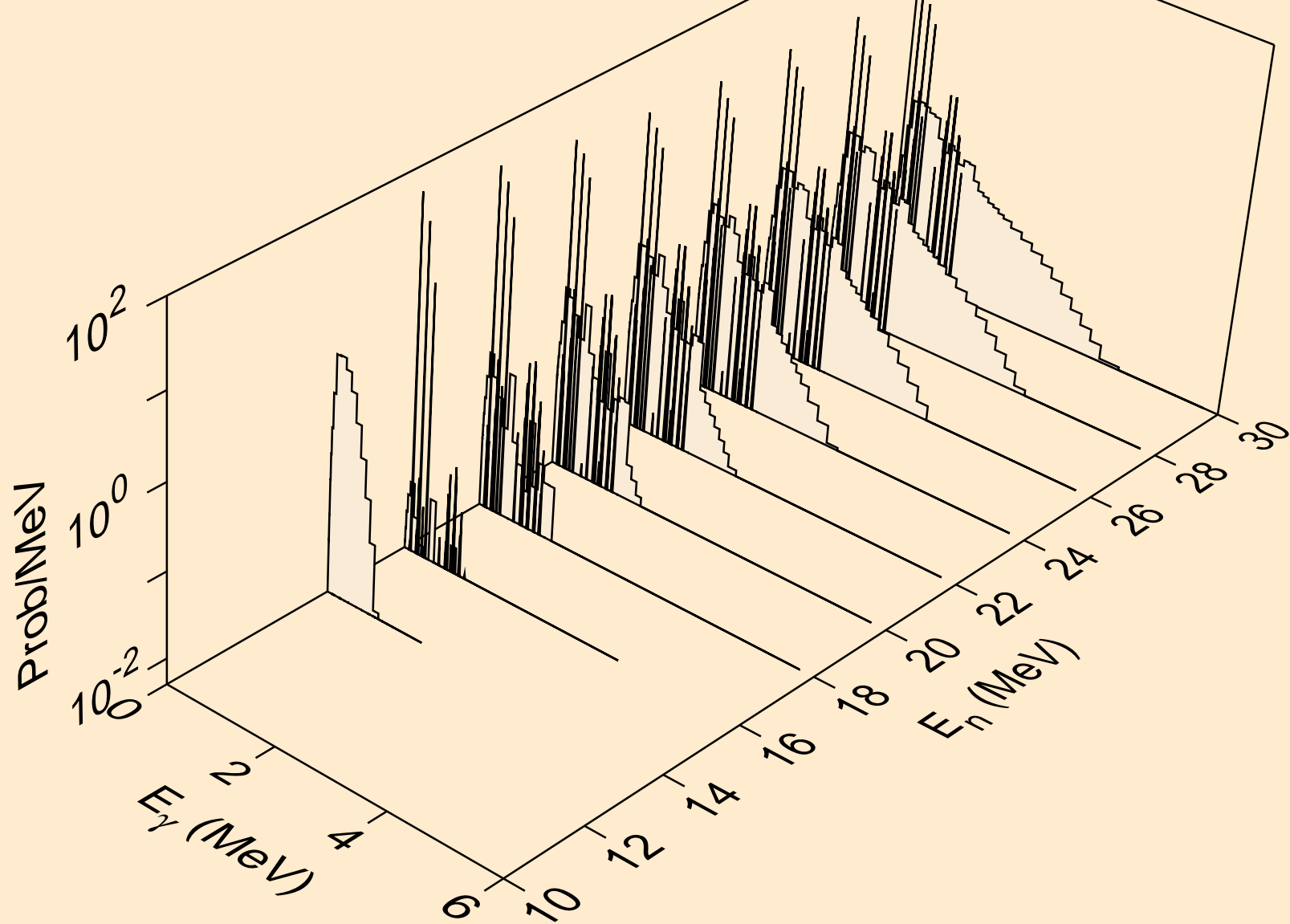




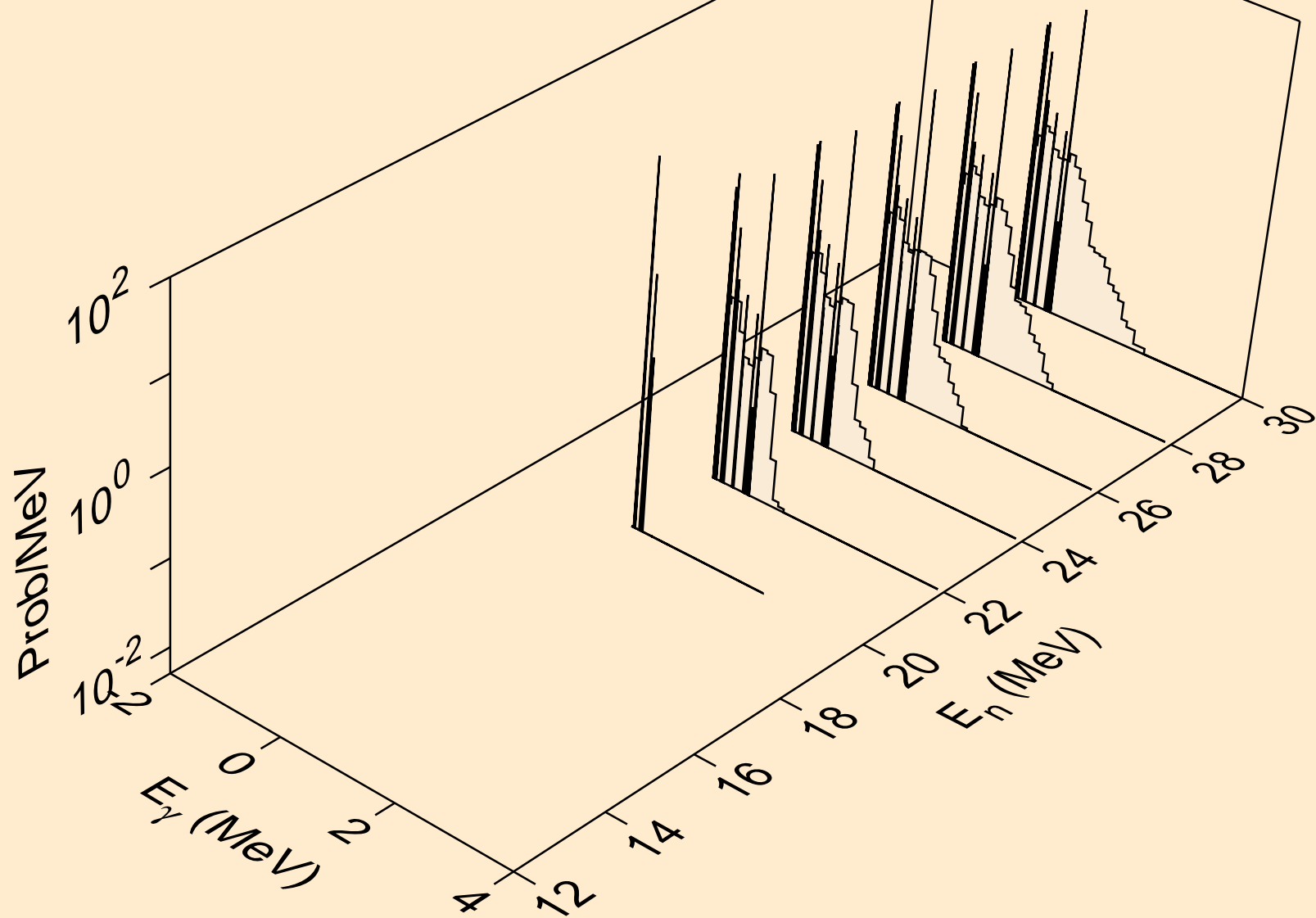
RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



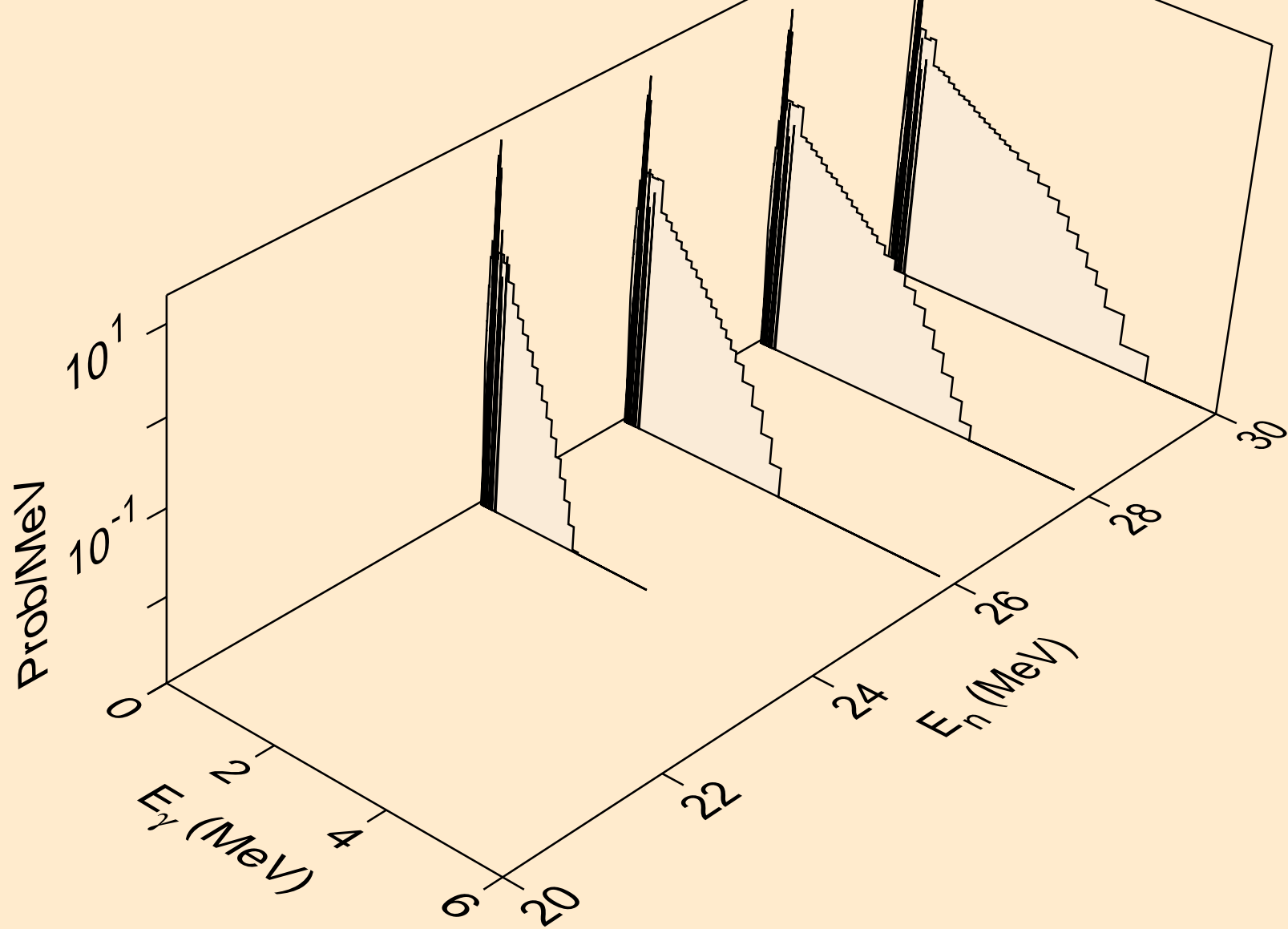
RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



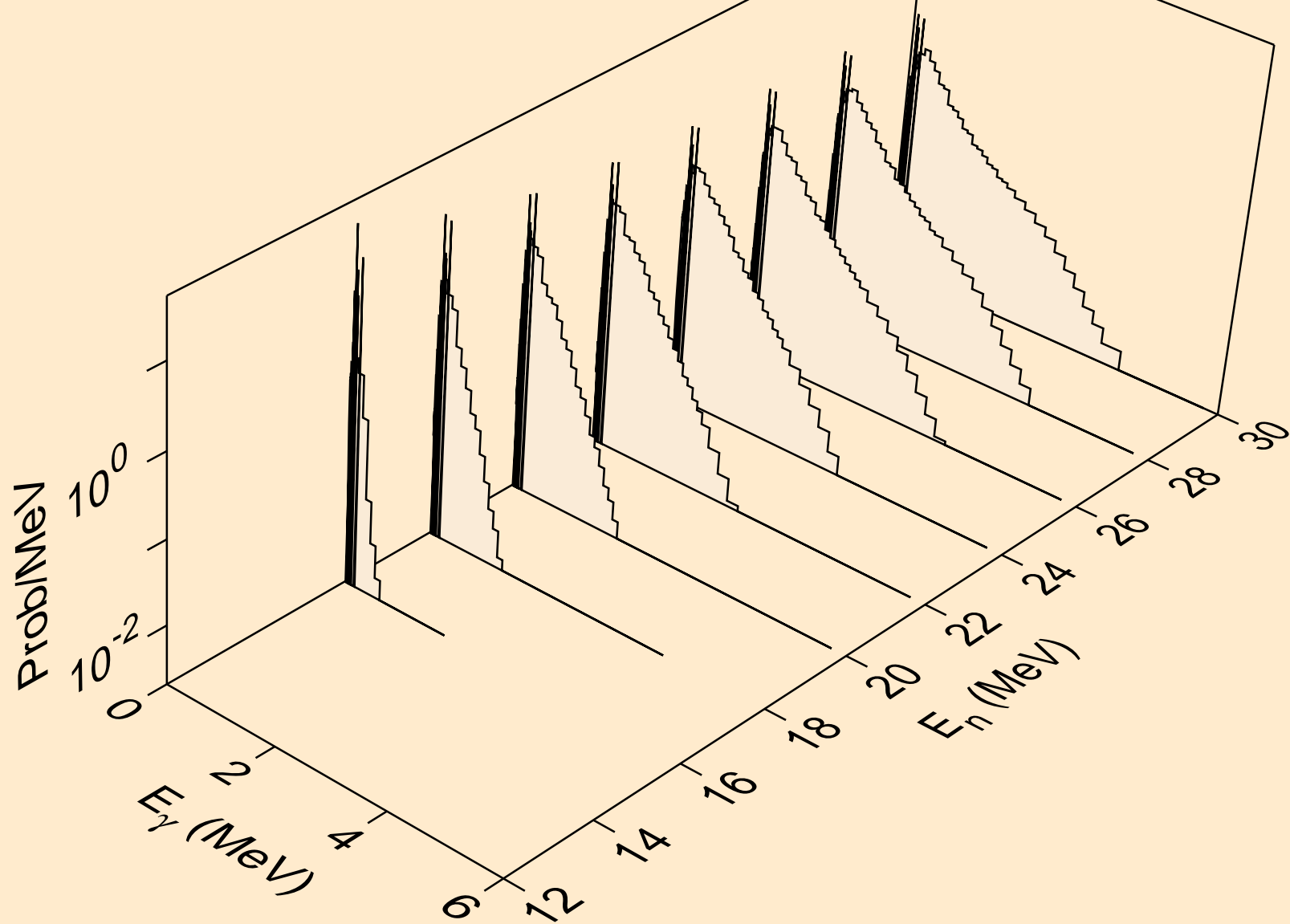
RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



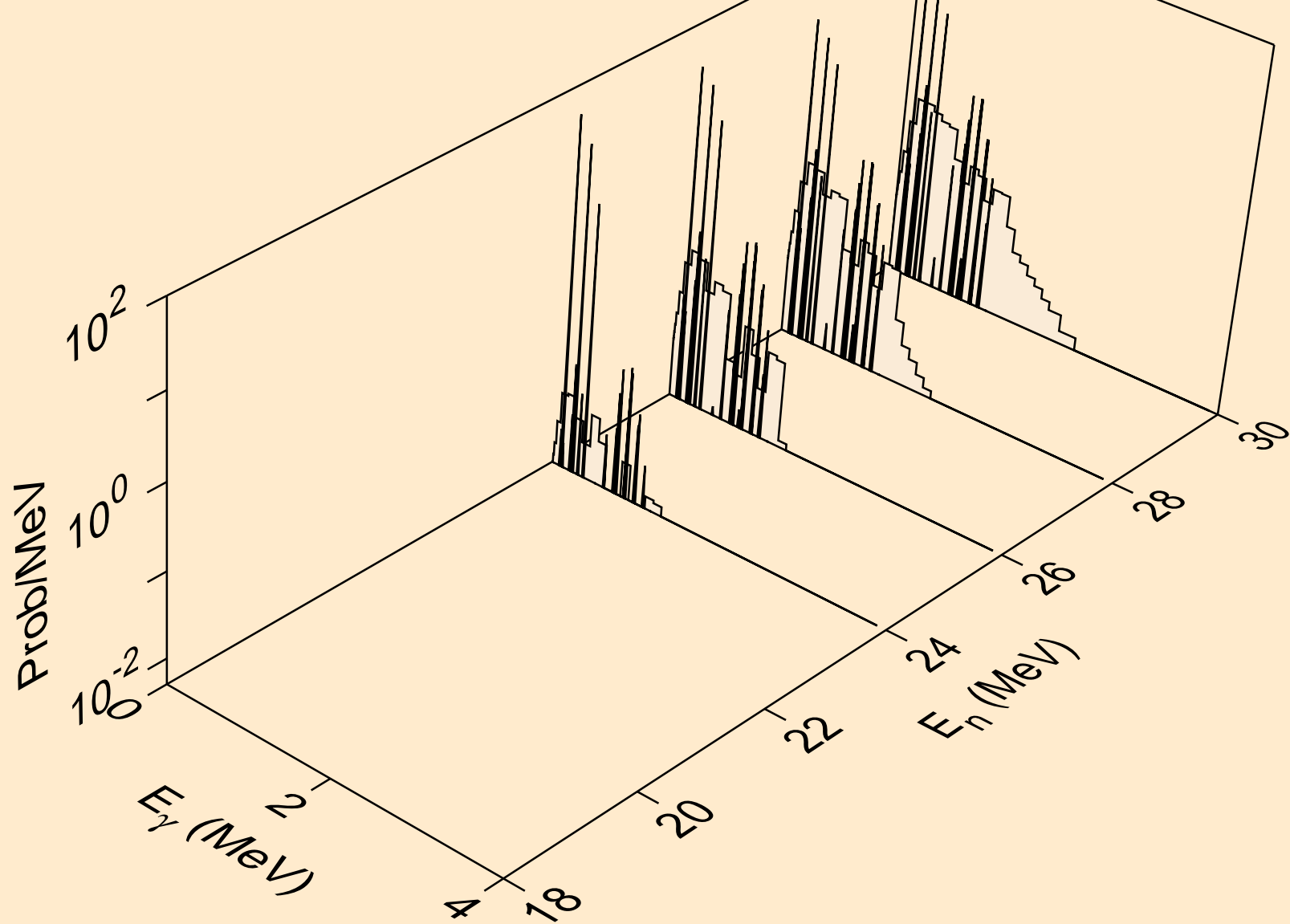
RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,4n)



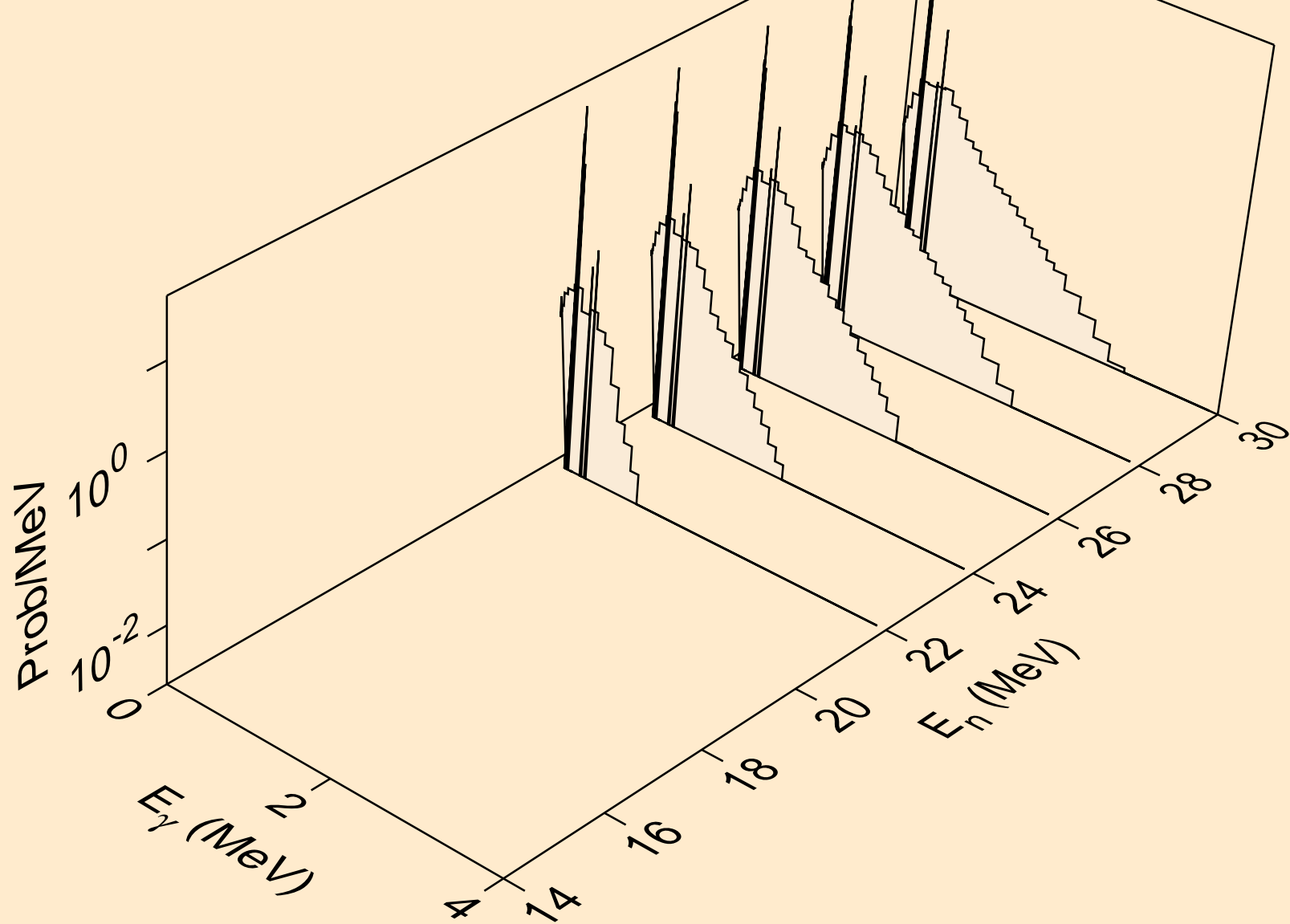
RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)



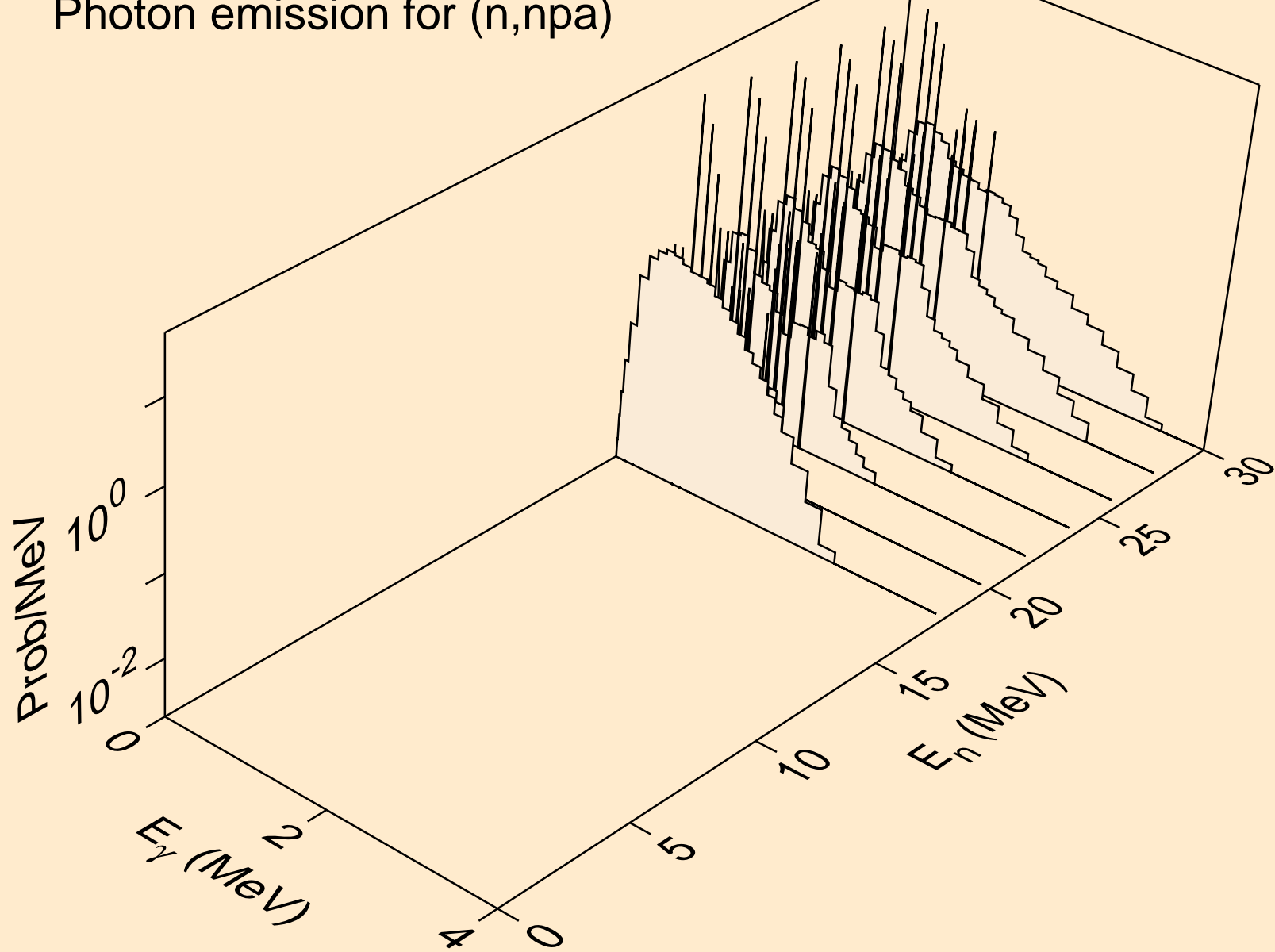
RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3np)



RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)

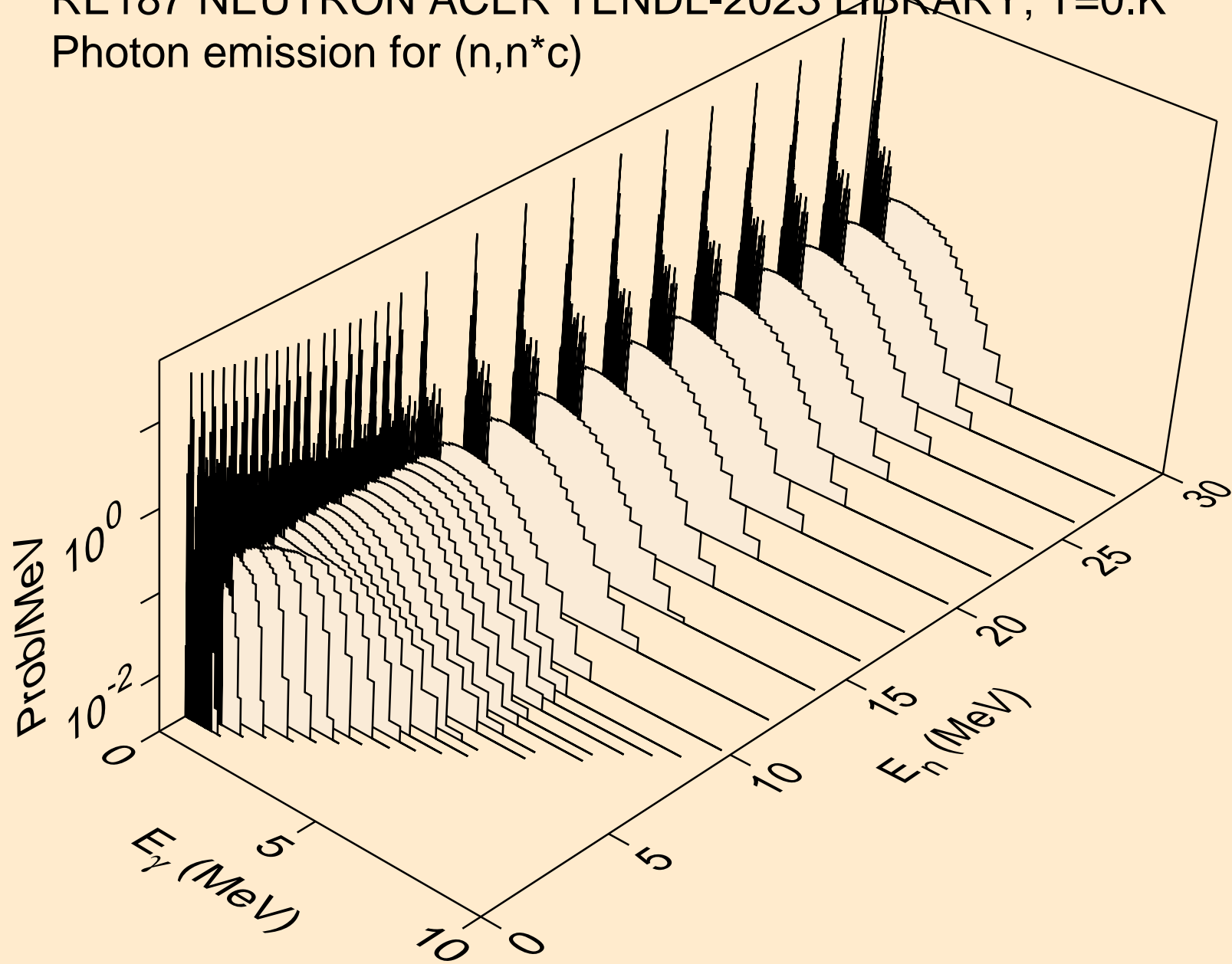


RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,npa)

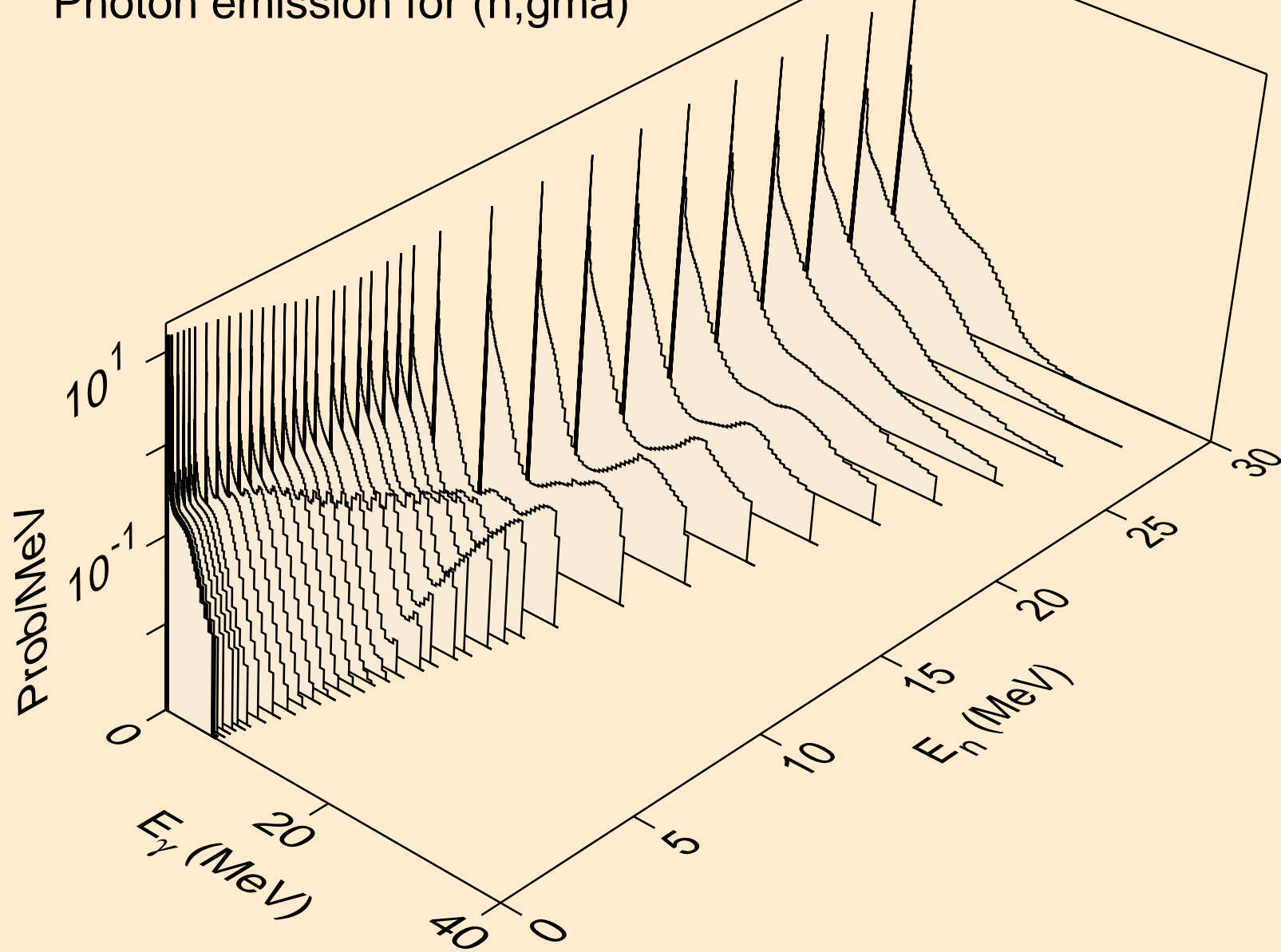




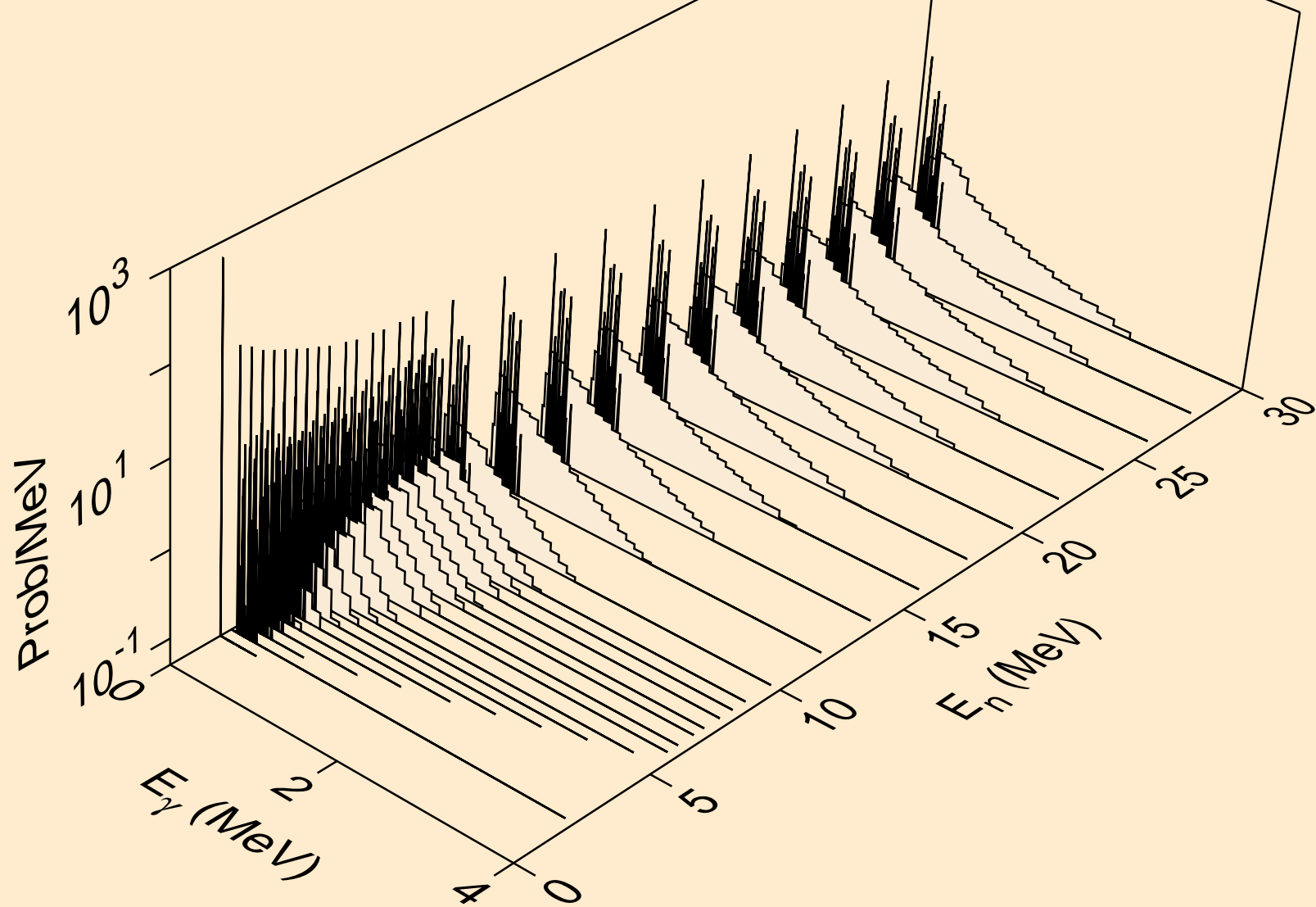
RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*c)



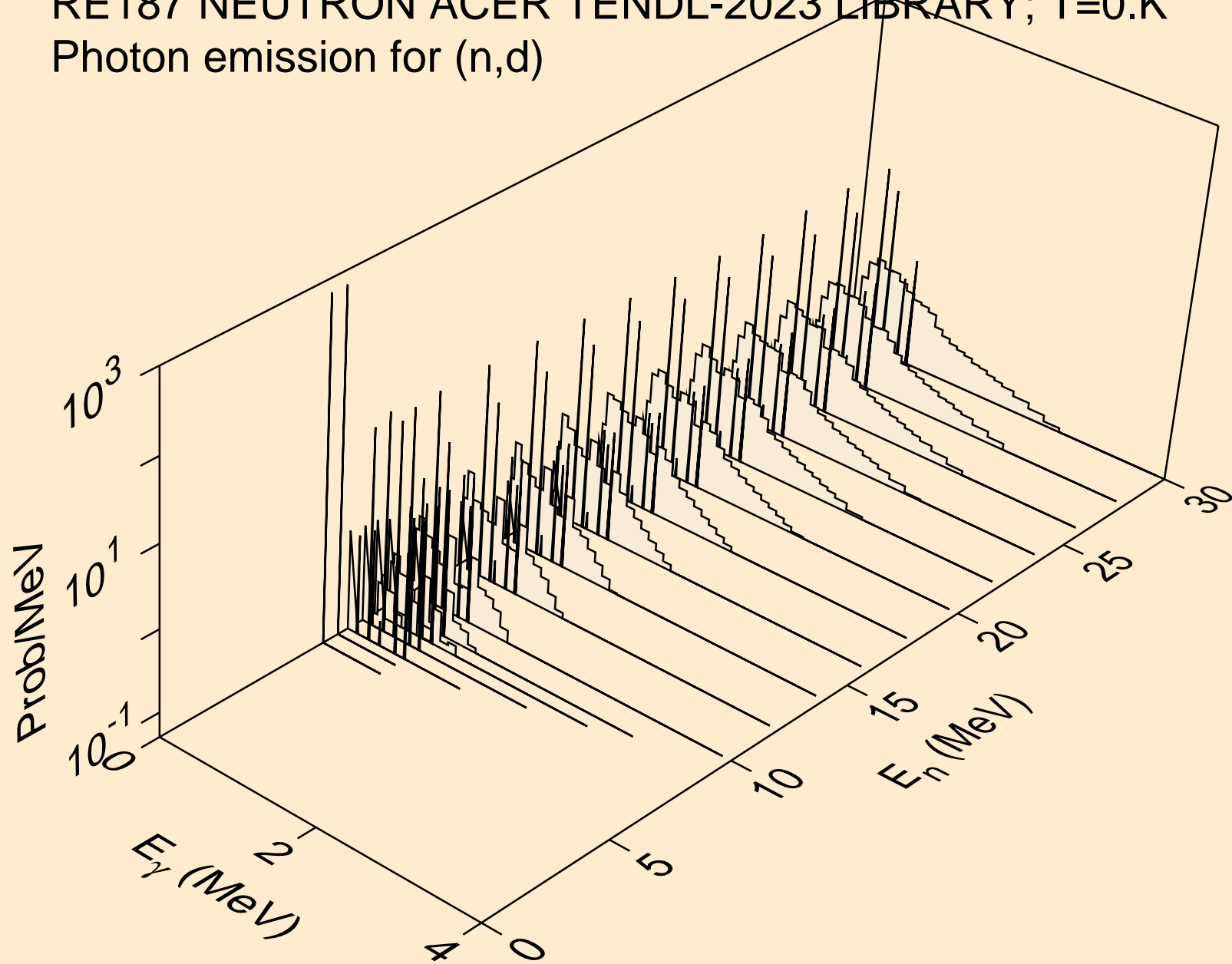
RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)



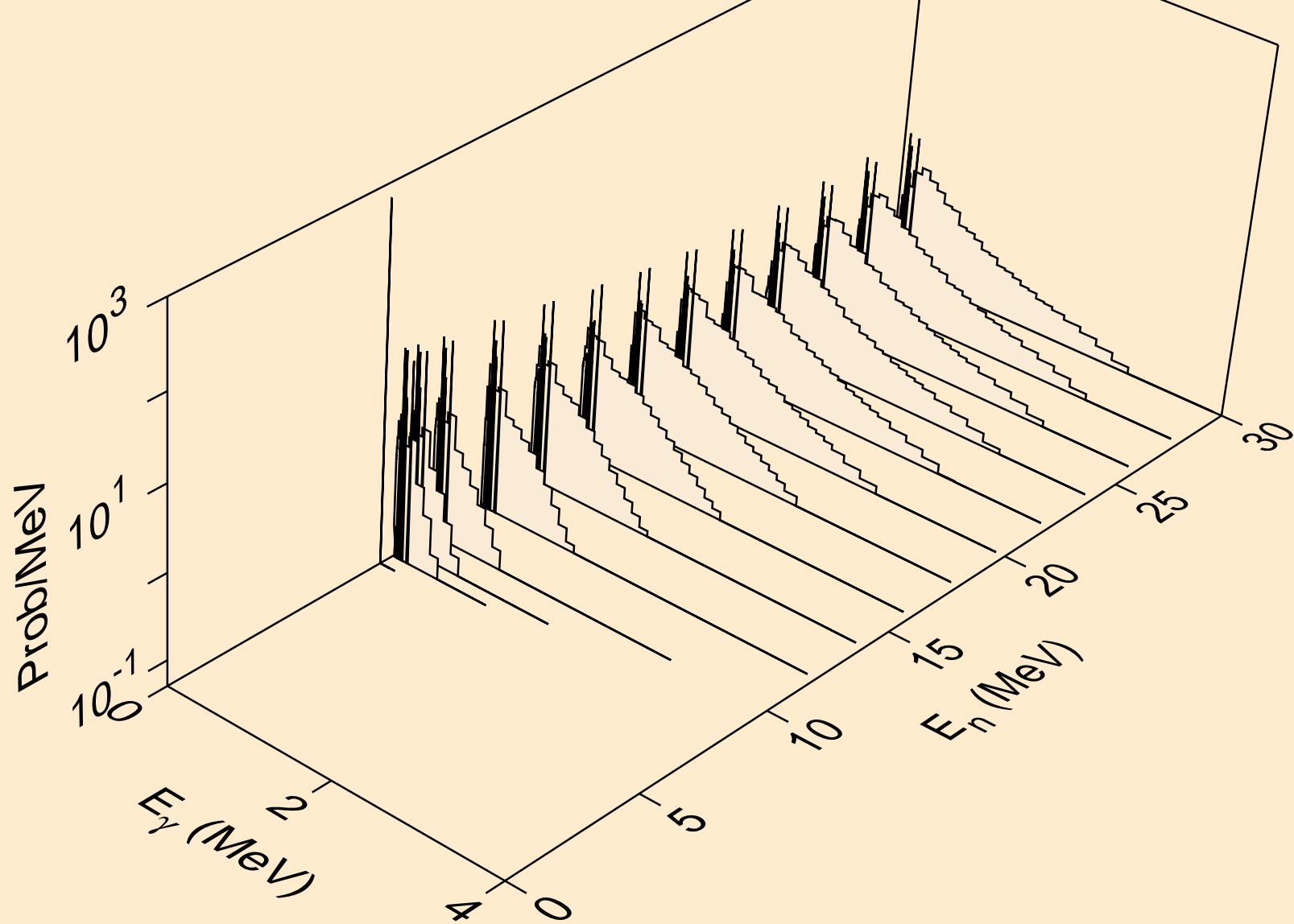
RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)



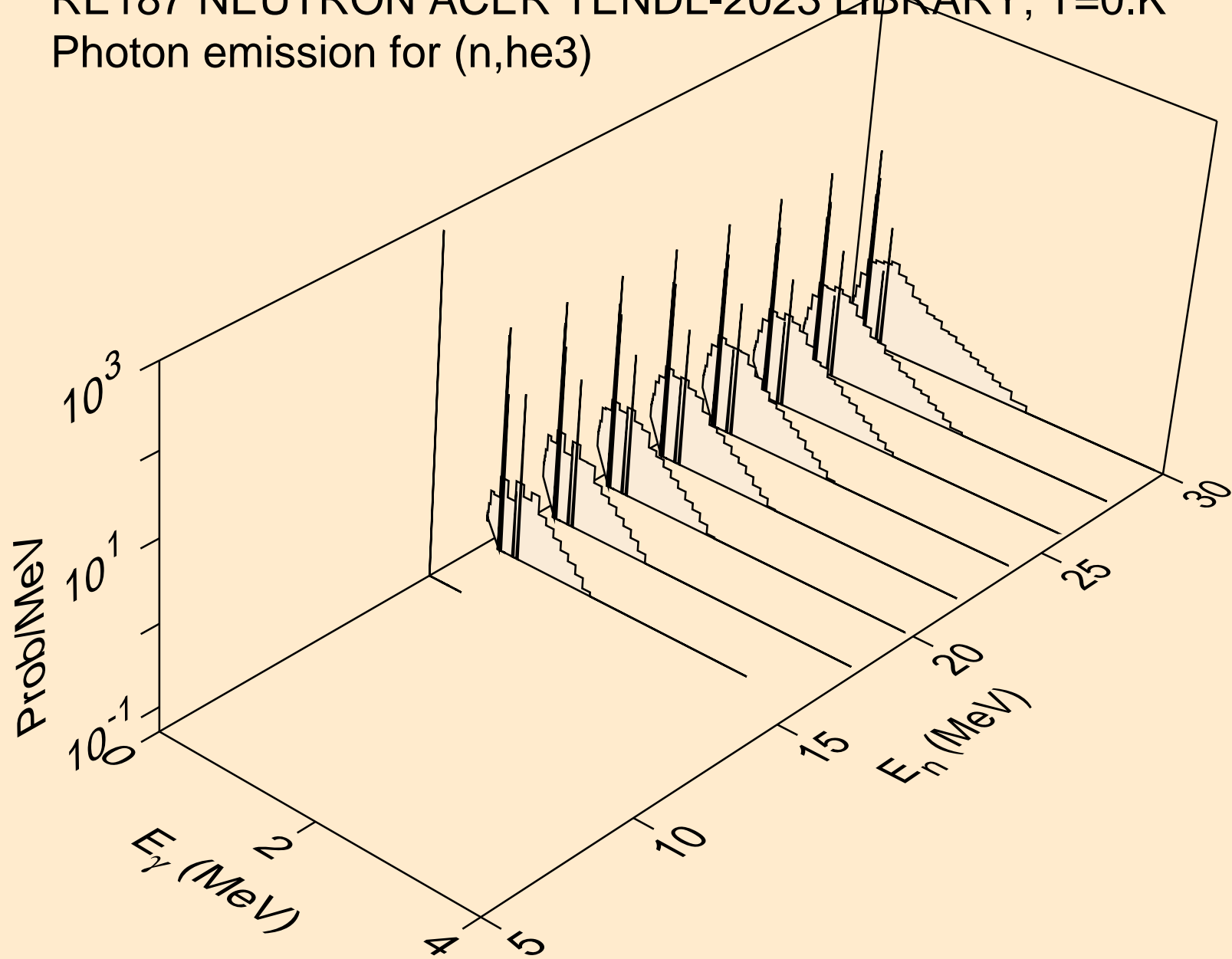
RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)



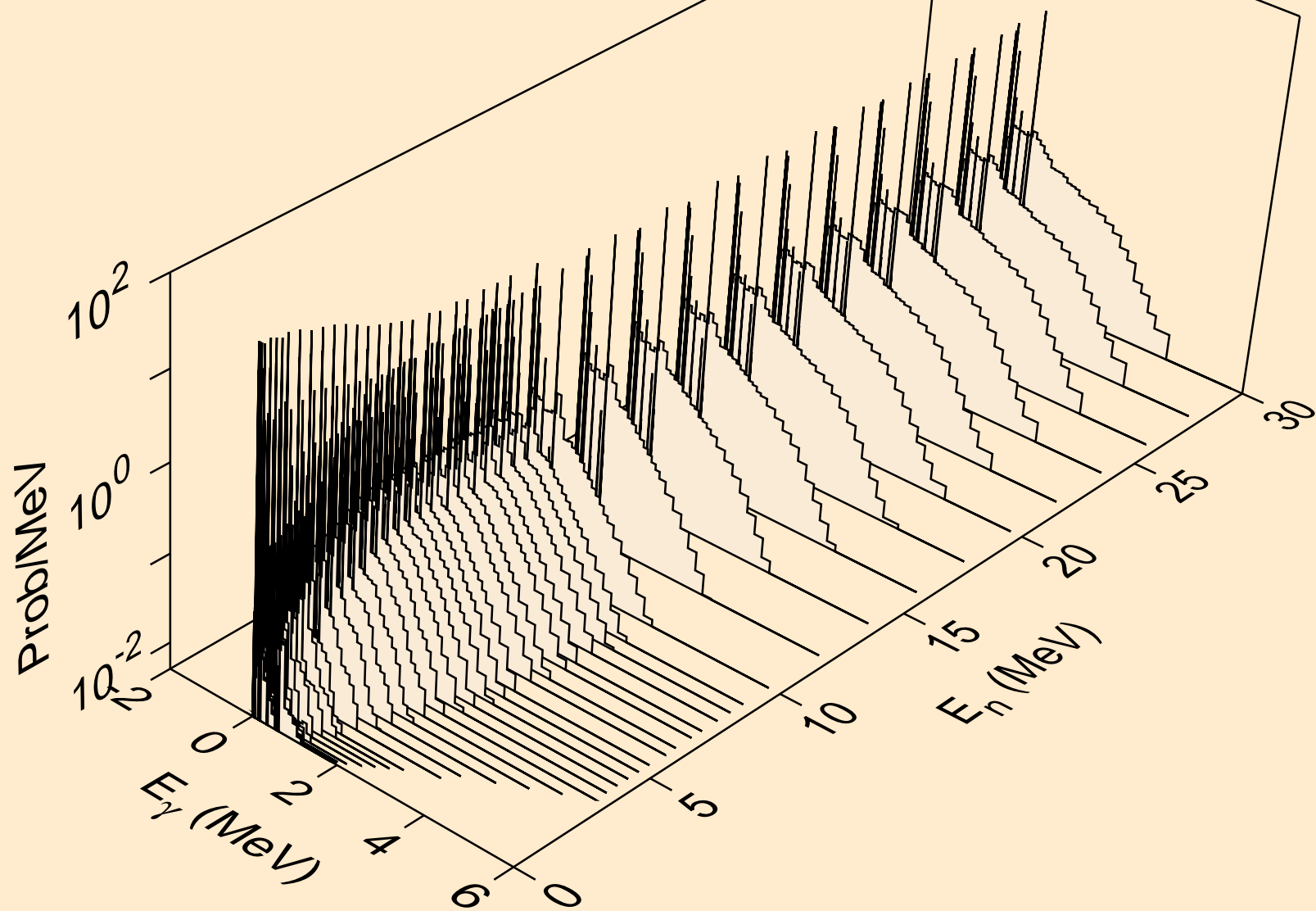
RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)



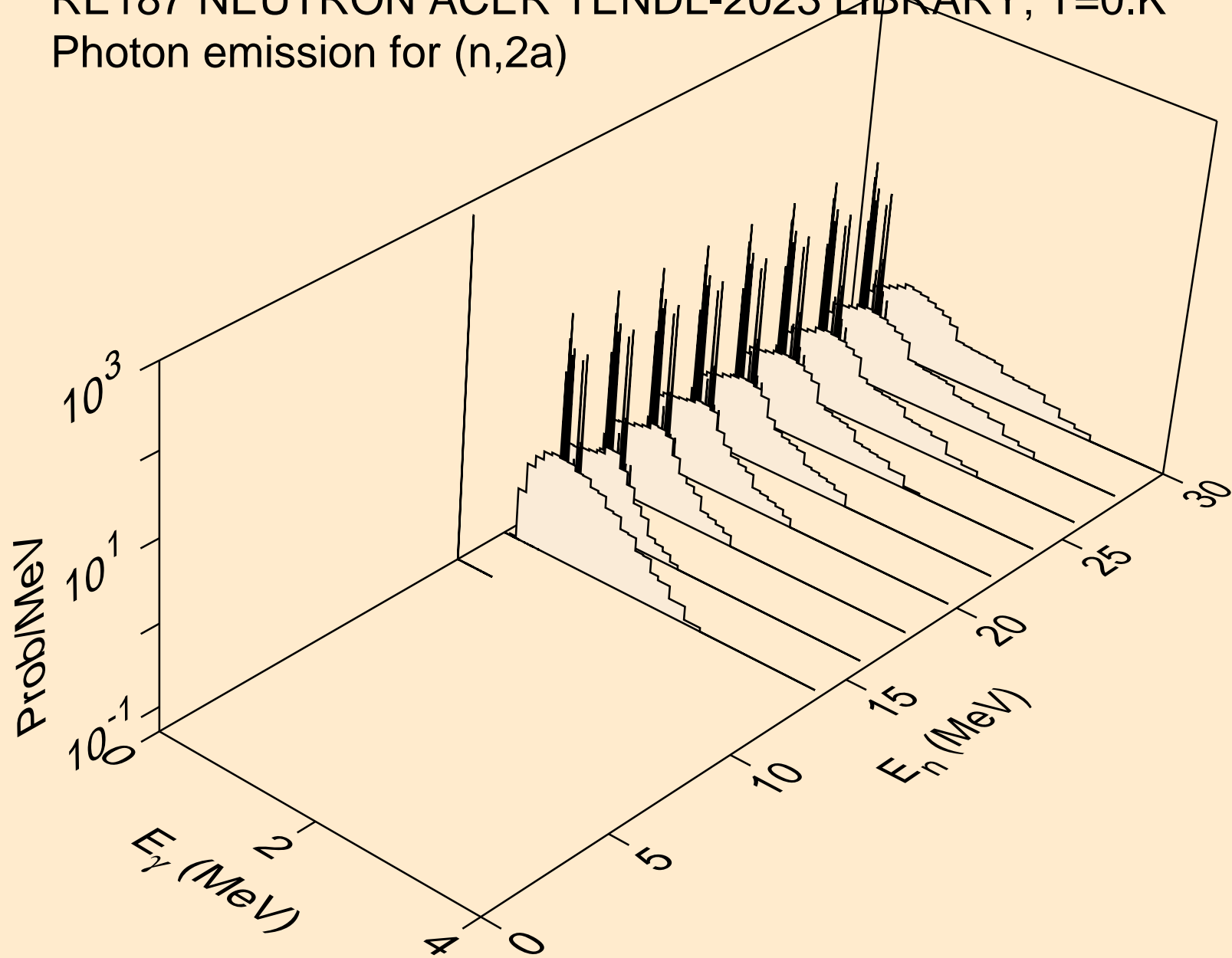
RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)



RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)

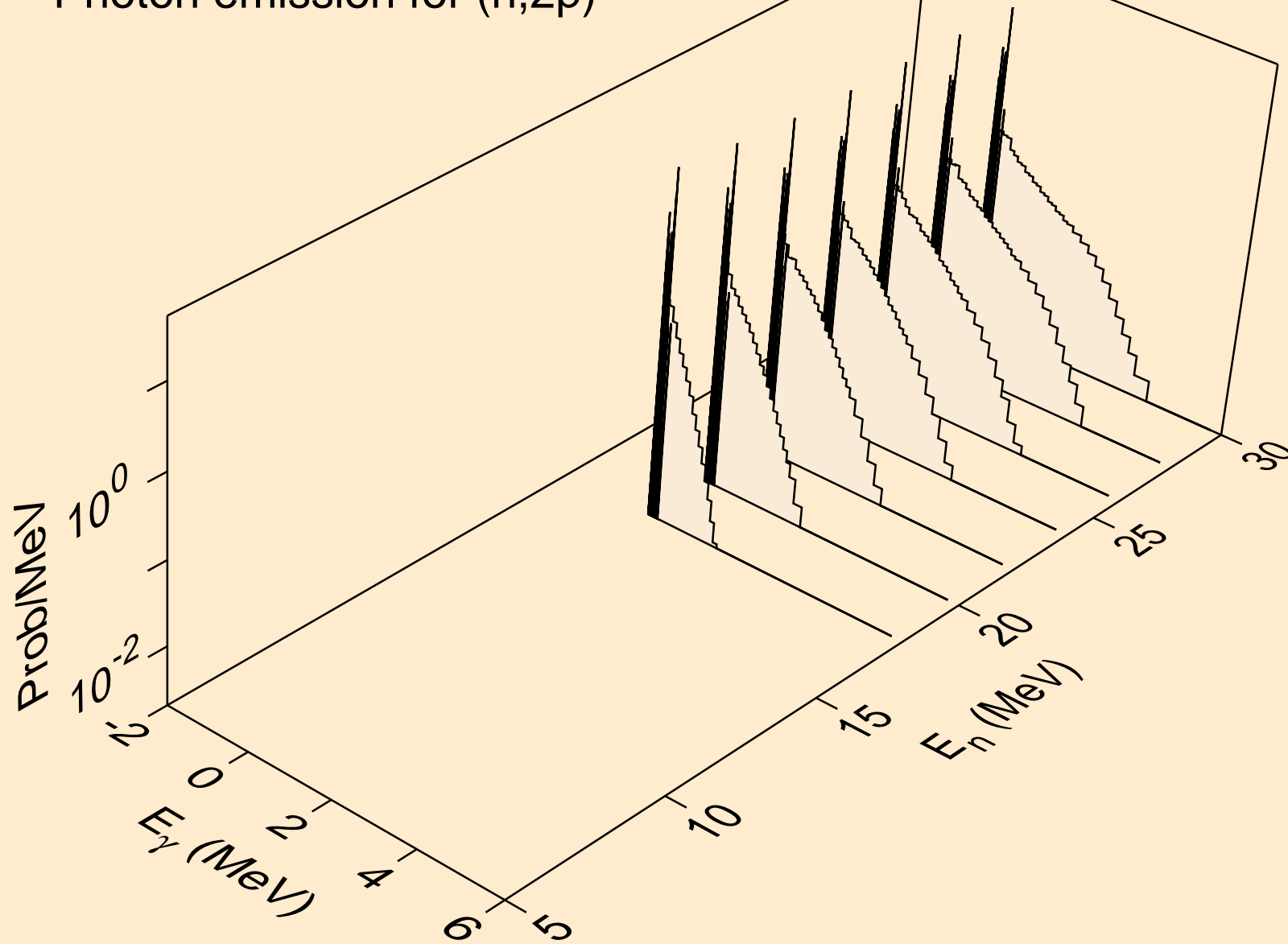


RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2a)

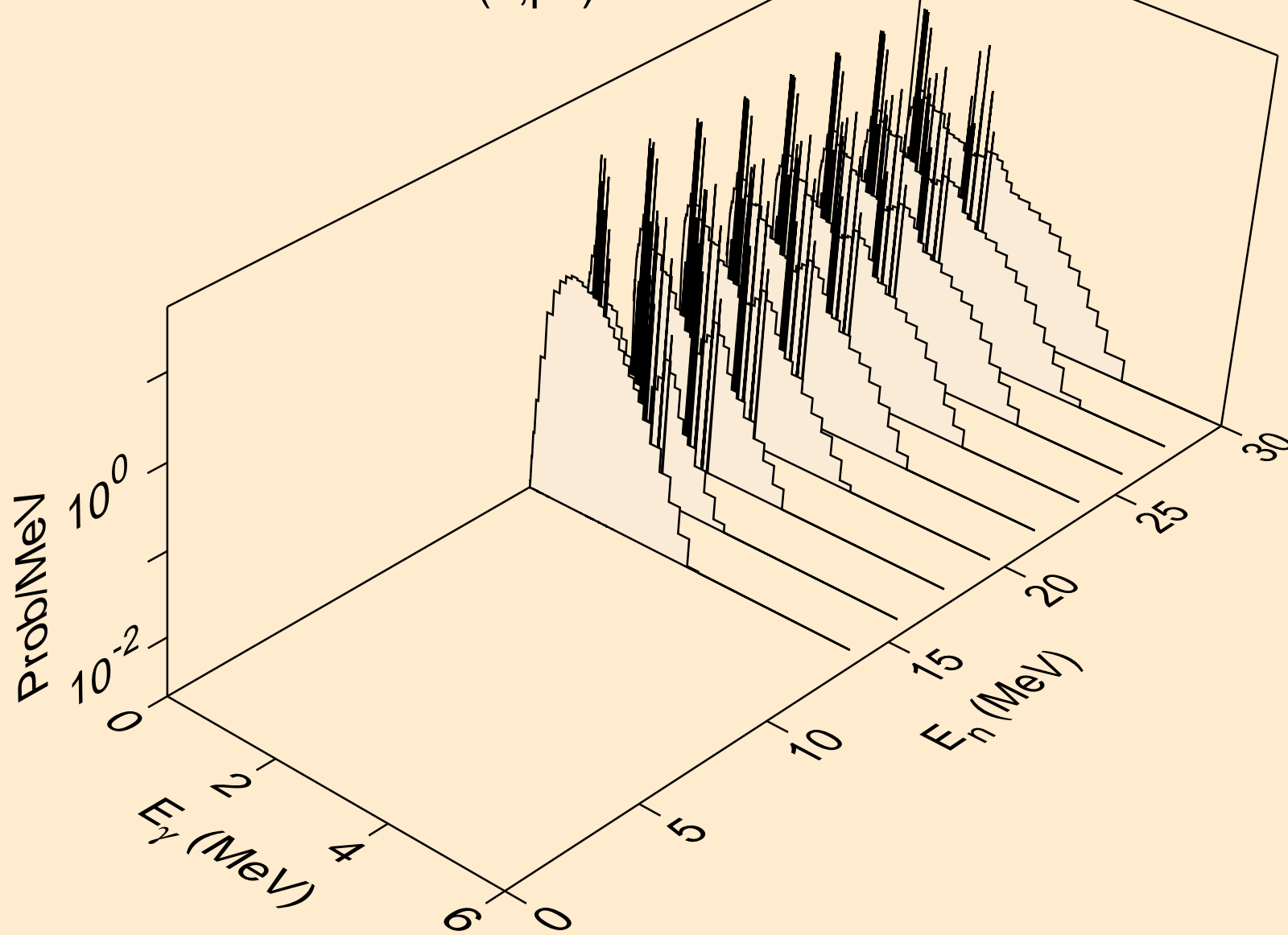




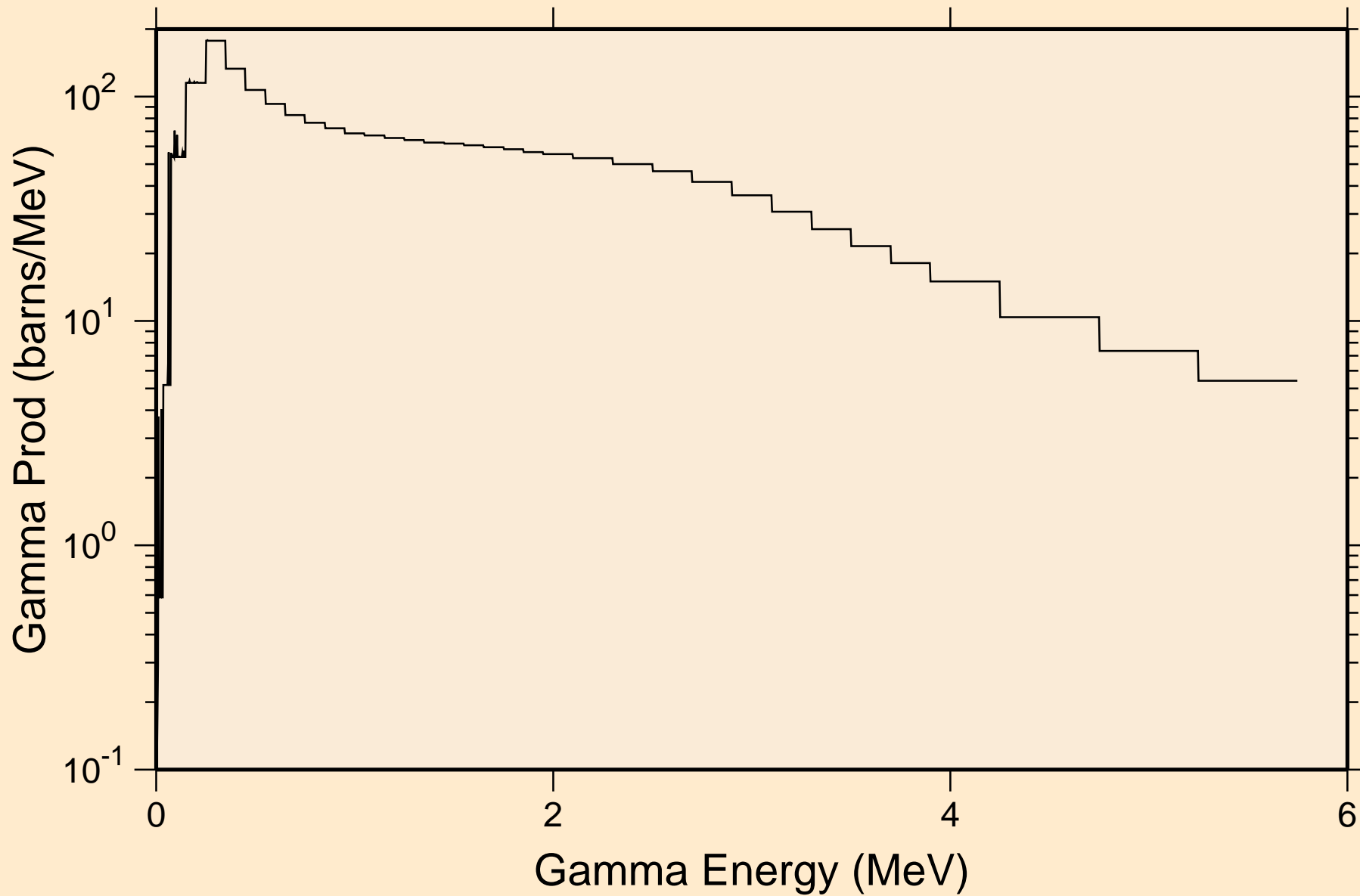
RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)



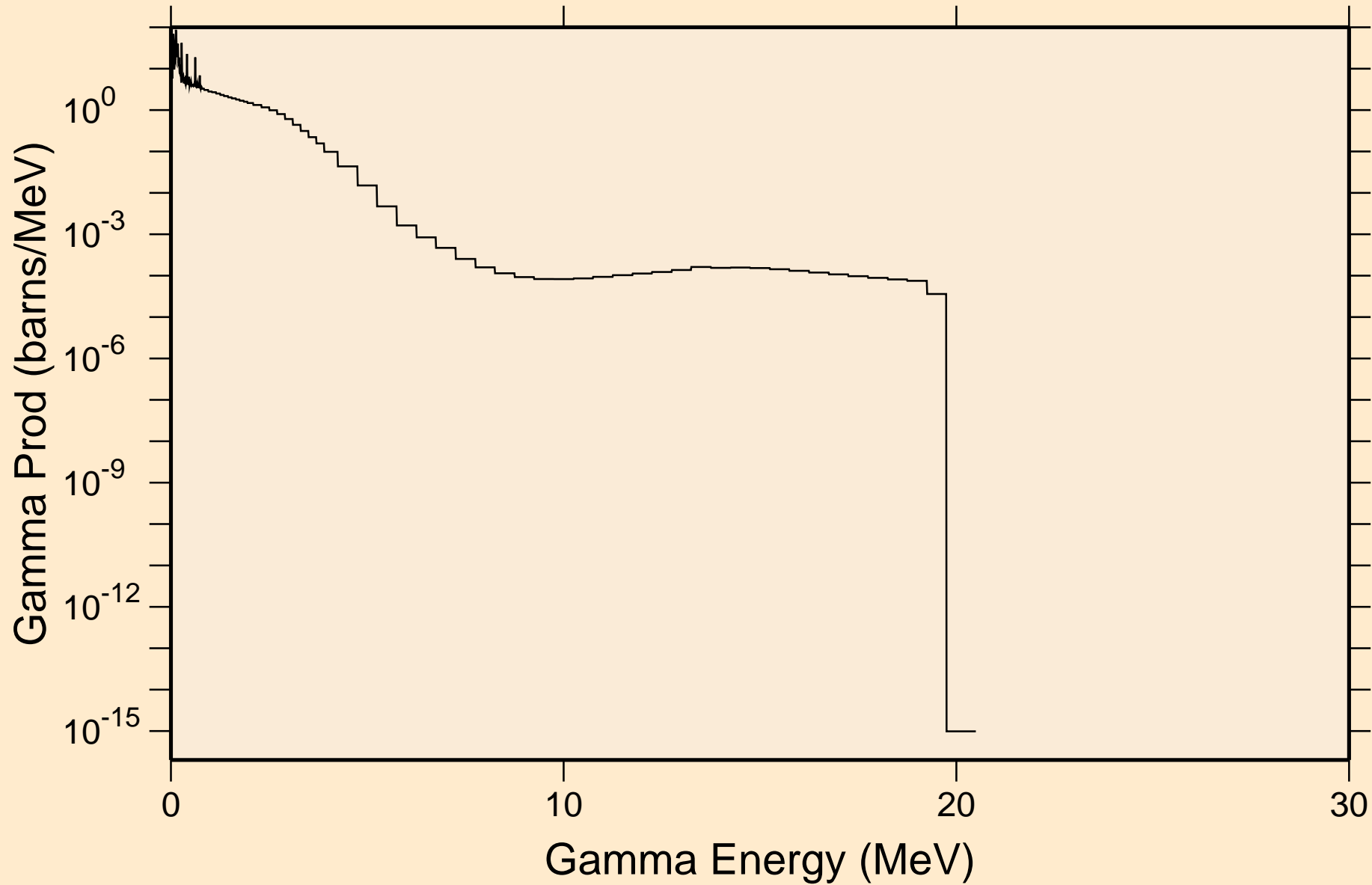
RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p $\alpha$ )



RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
thermal capture photon spectrum

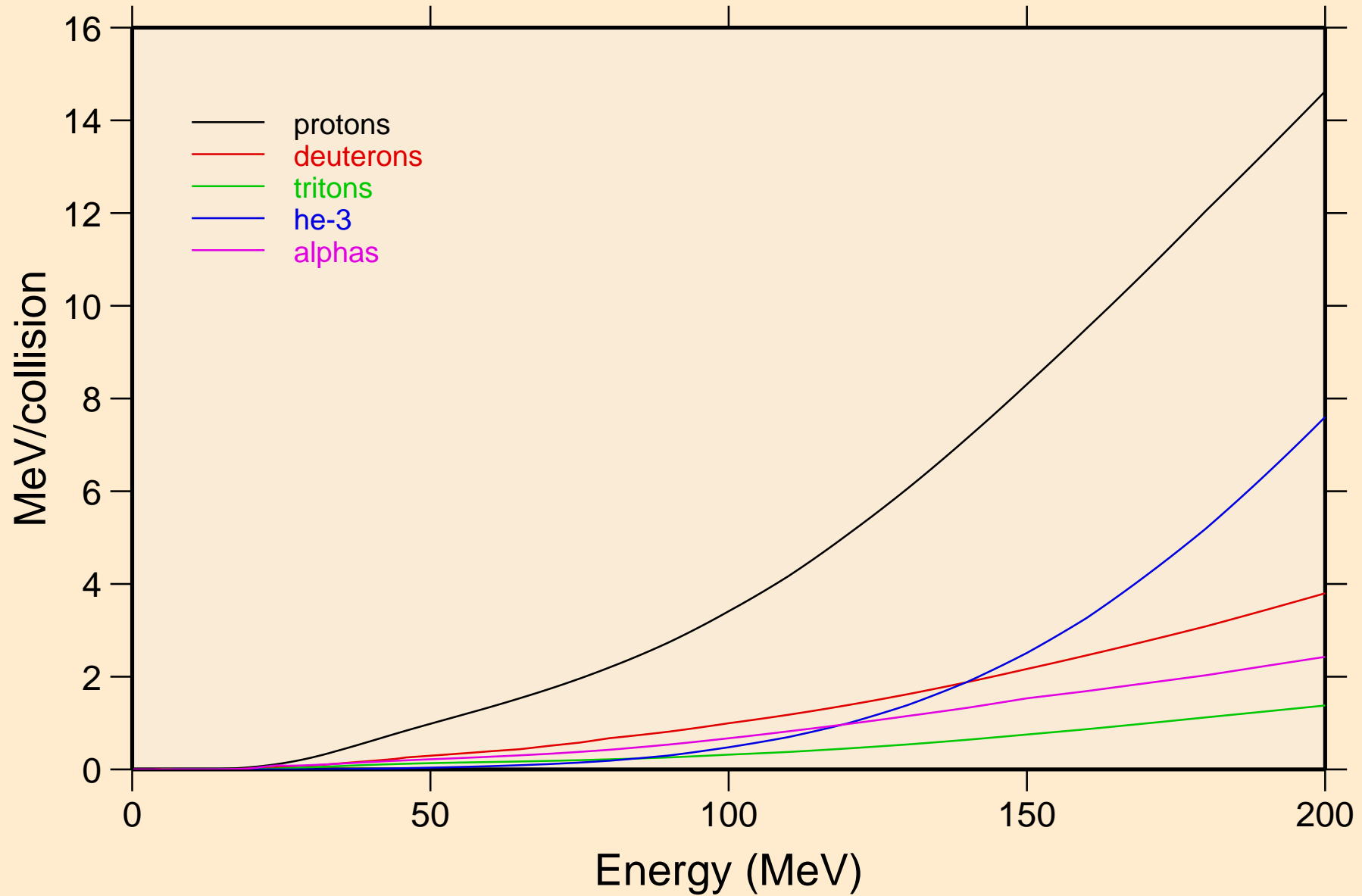


RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
14 MeV photon spectrum

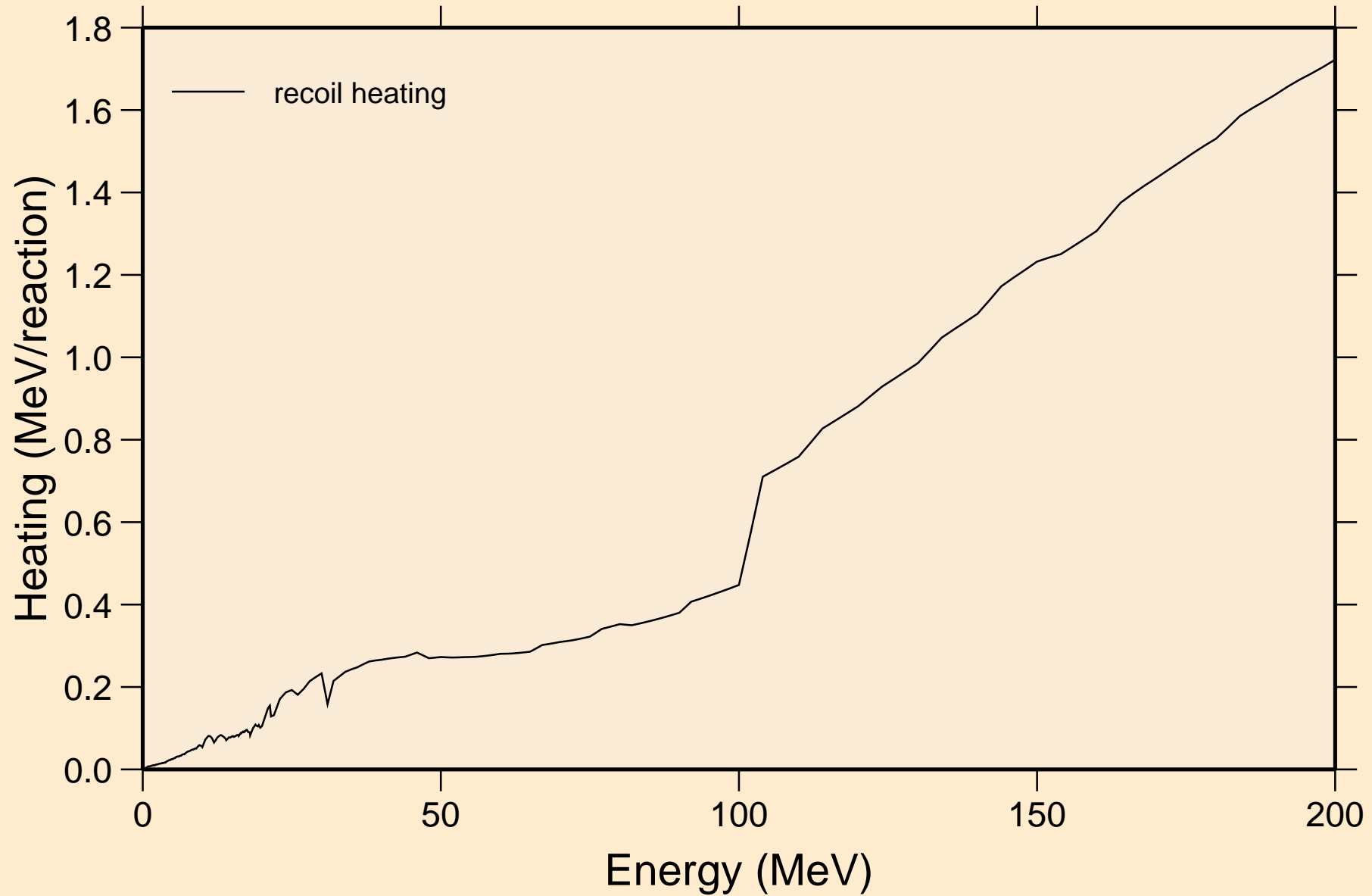


# RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

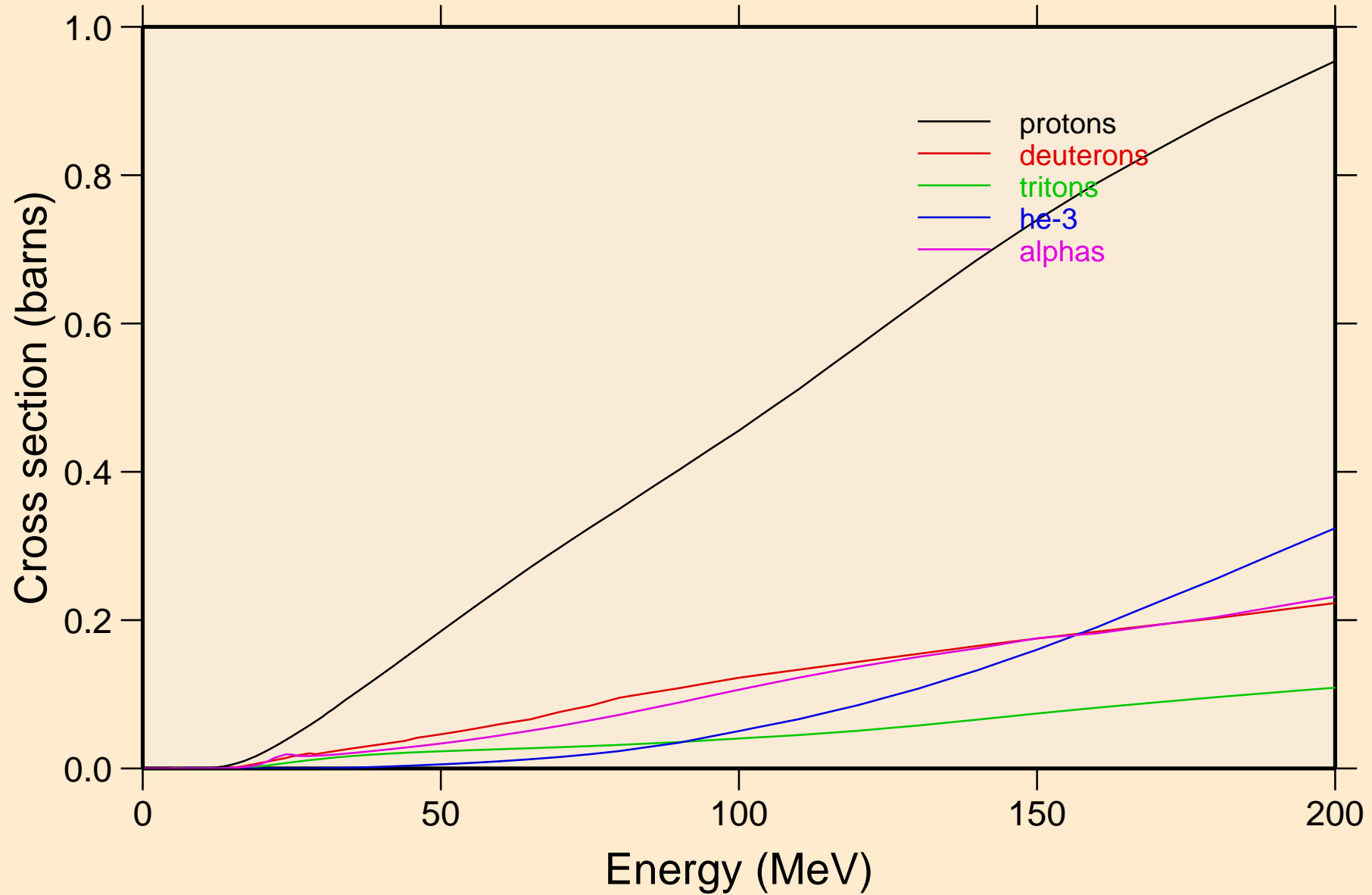
## Particle heating contributions



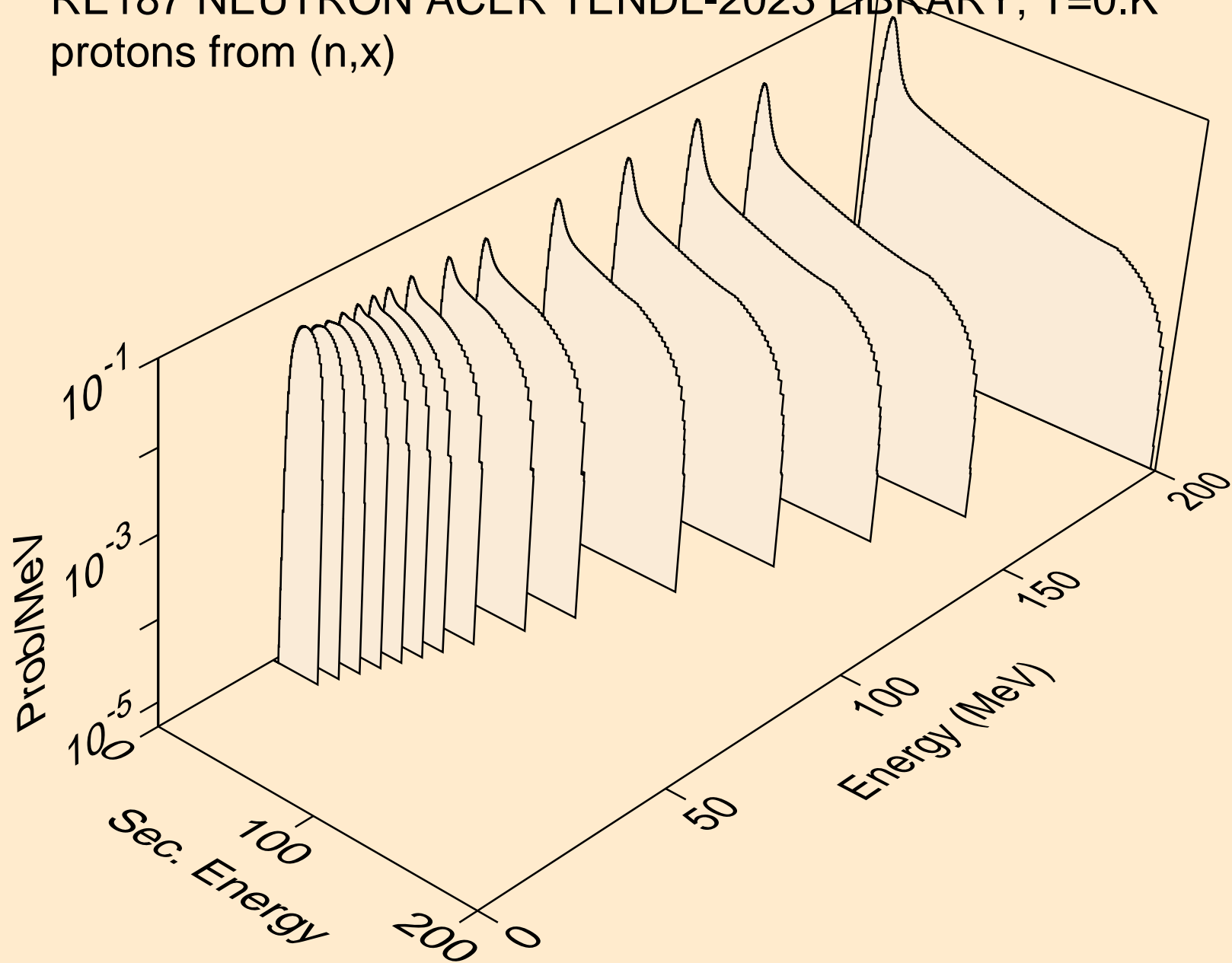
RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating



RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Particle production cross sections

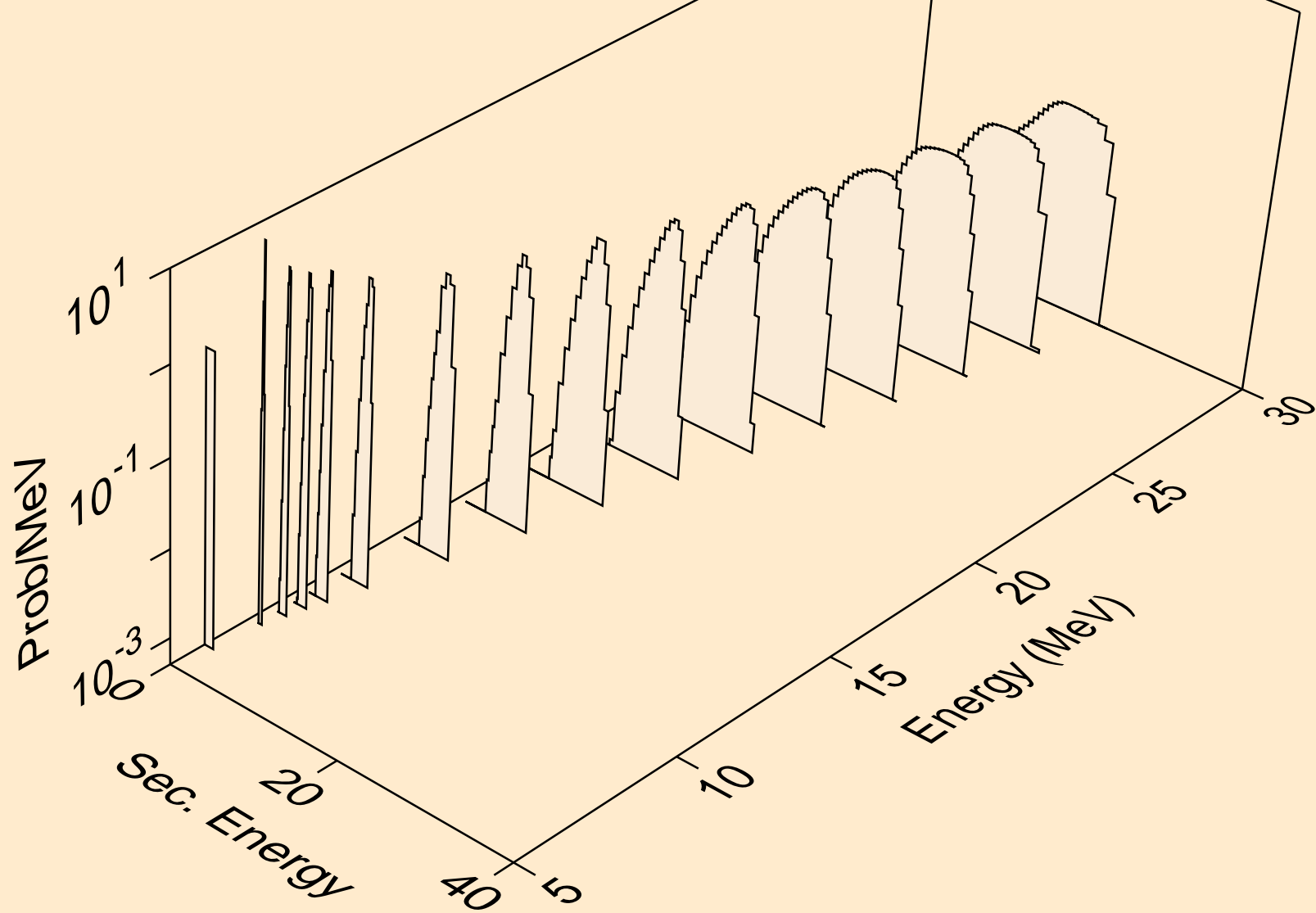


RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,x)

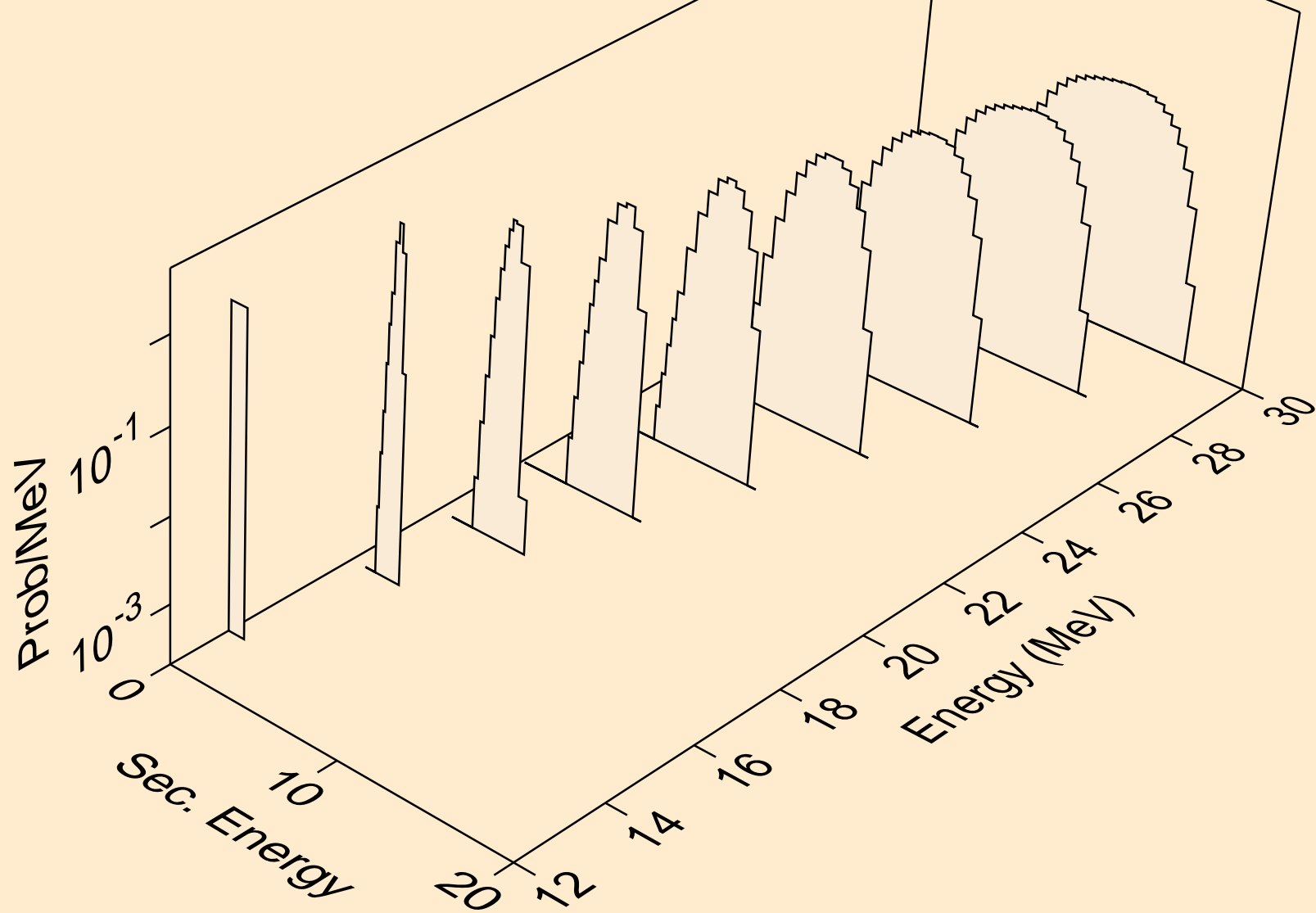




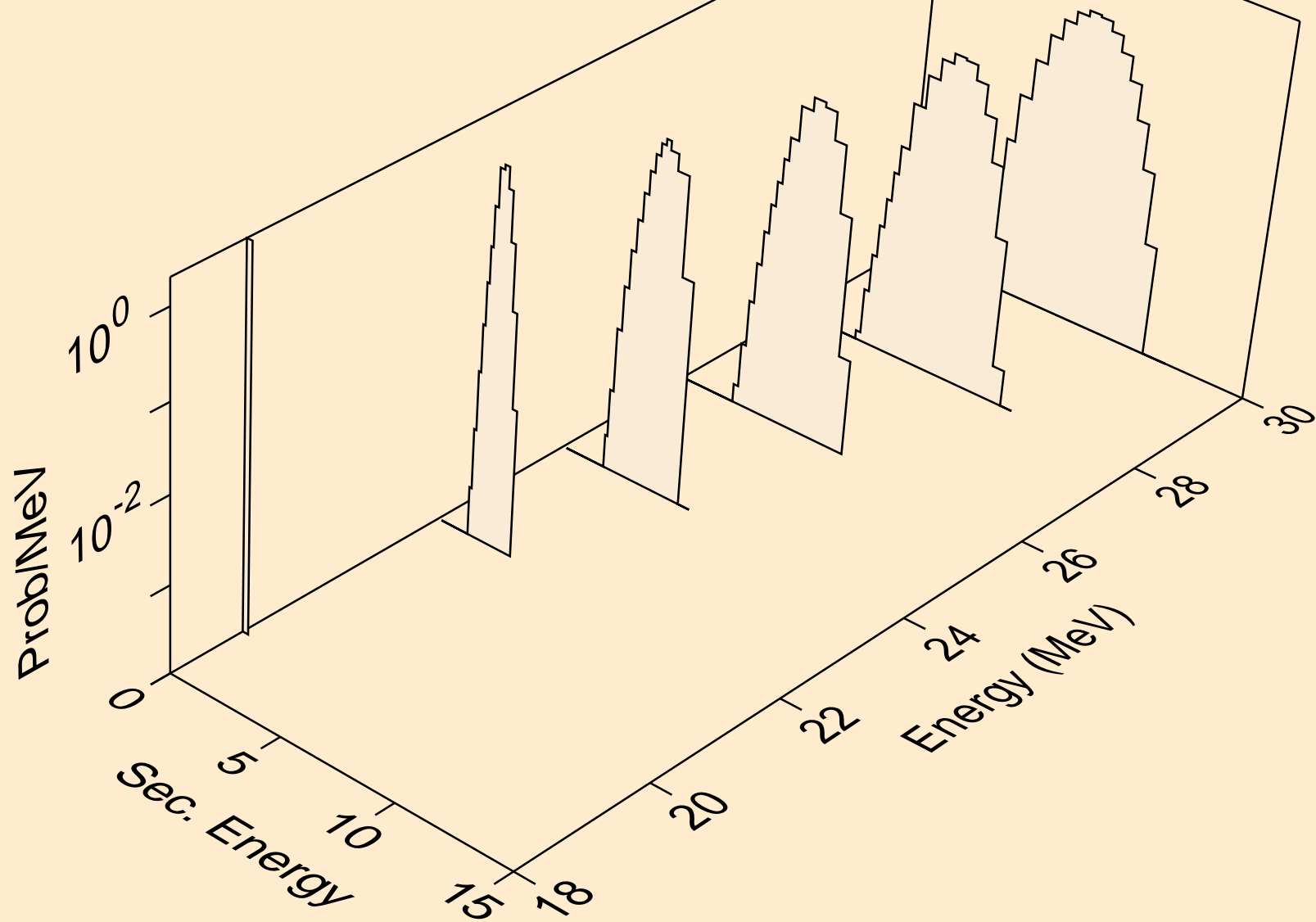
RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n\*)p



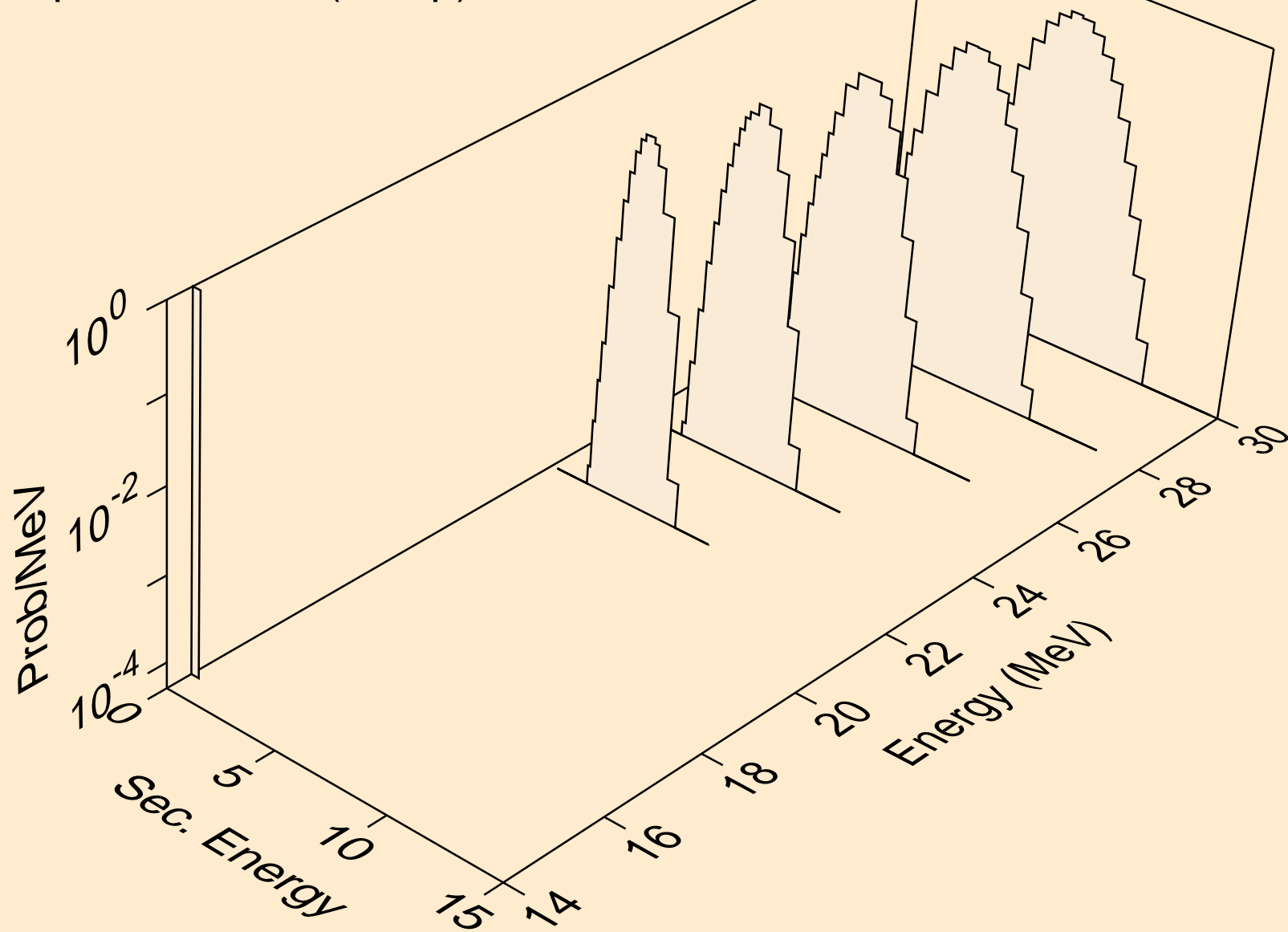
RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,2np)



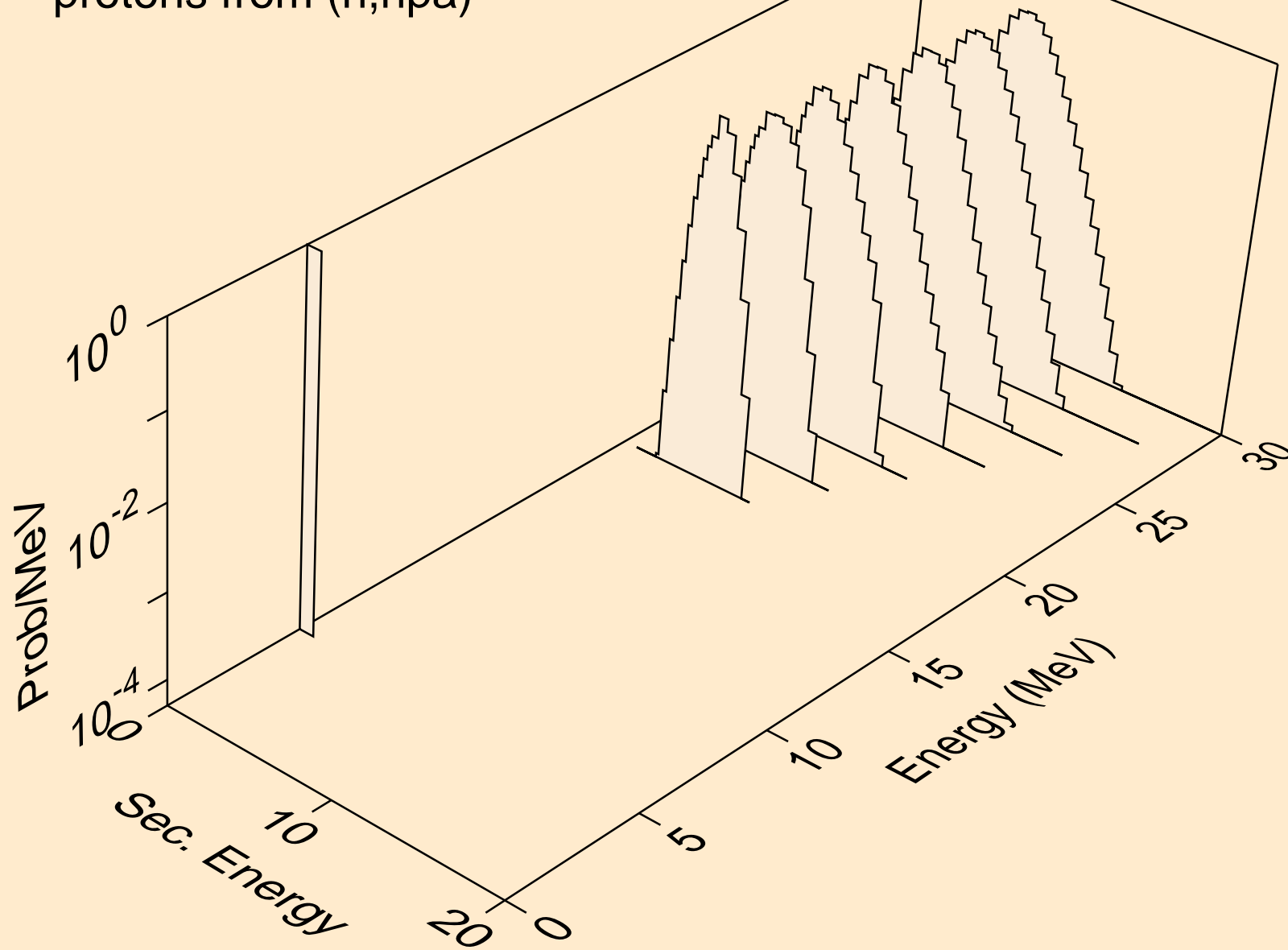
RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,3np)



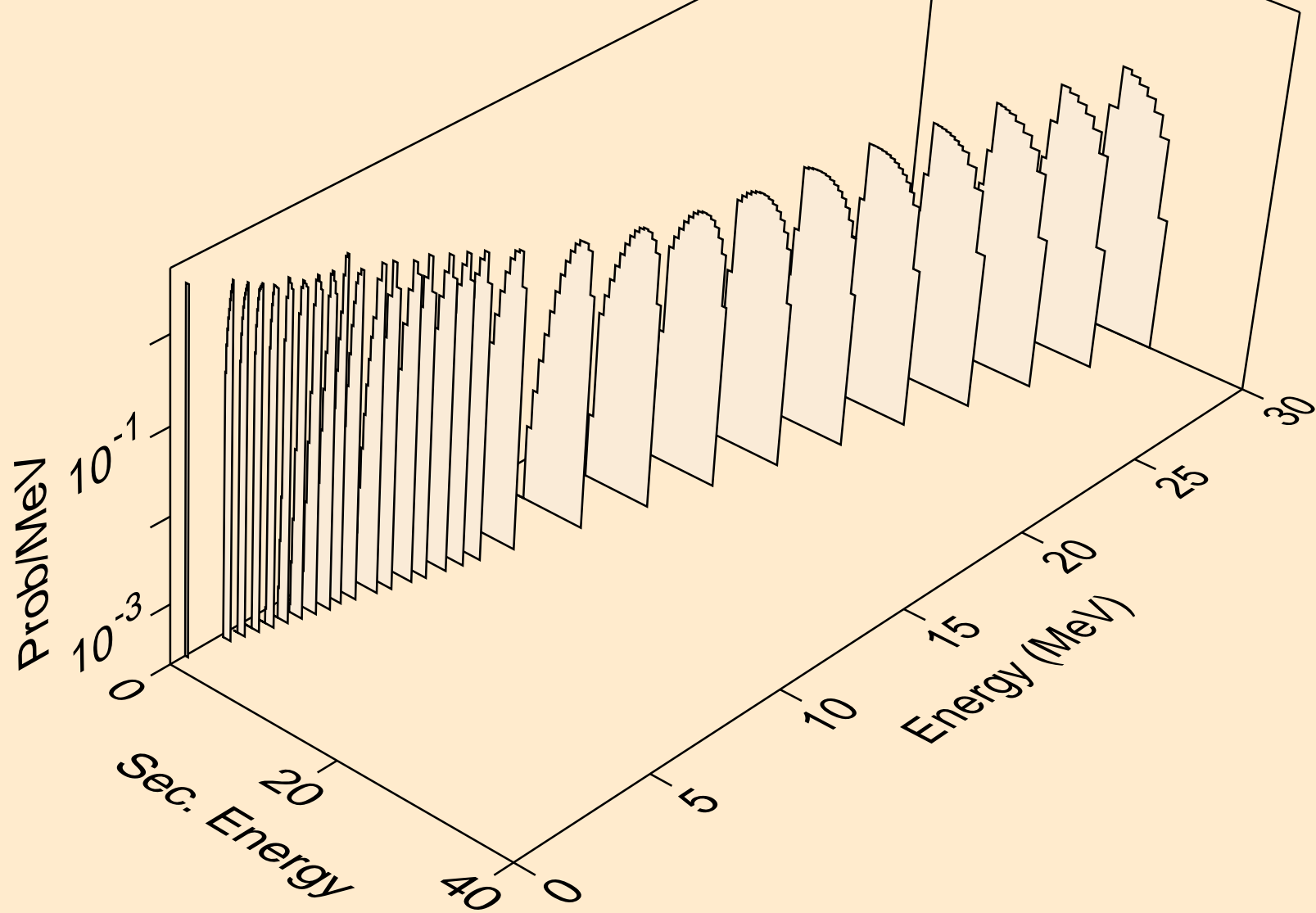
RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n2p)



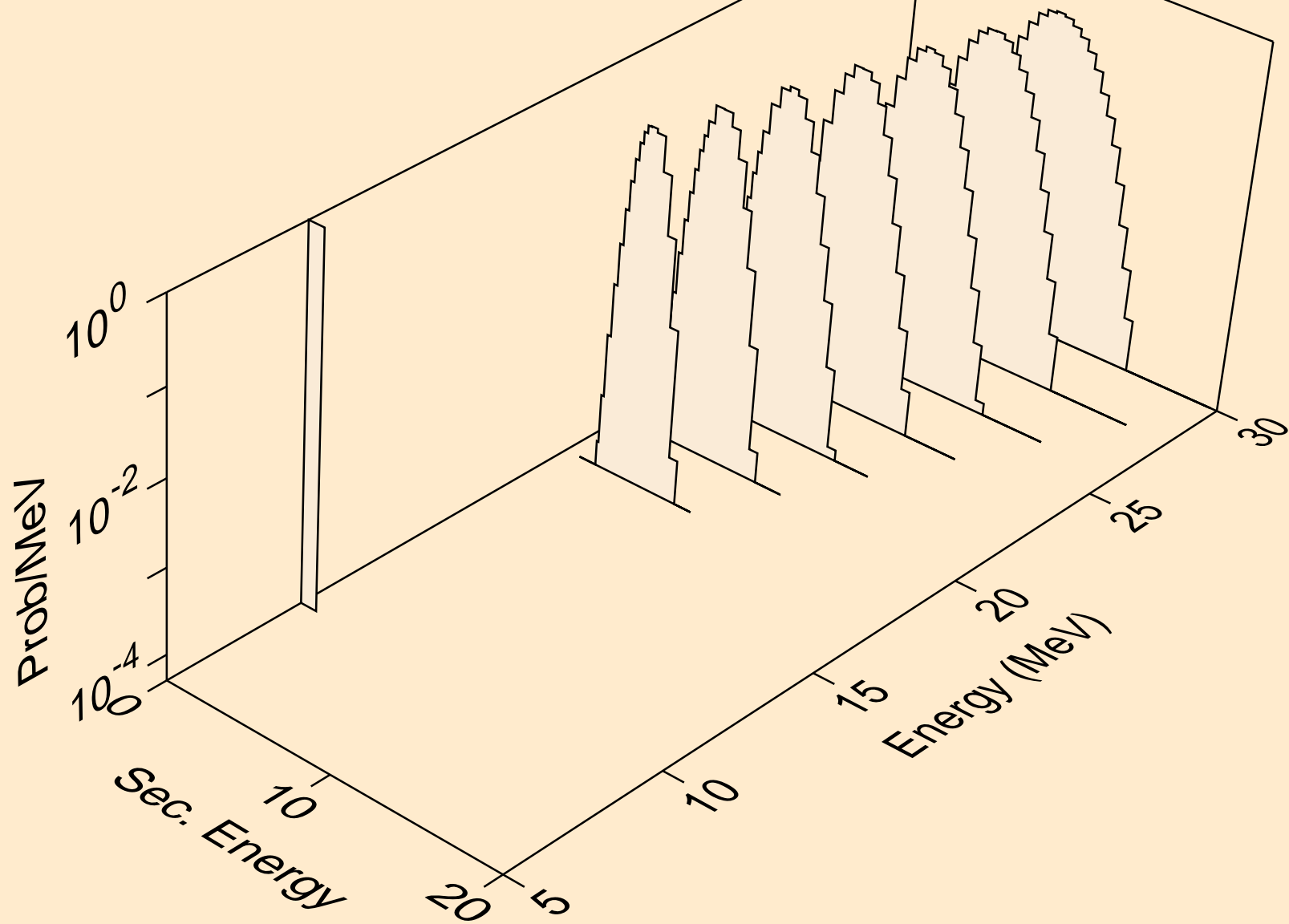
RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,npa)



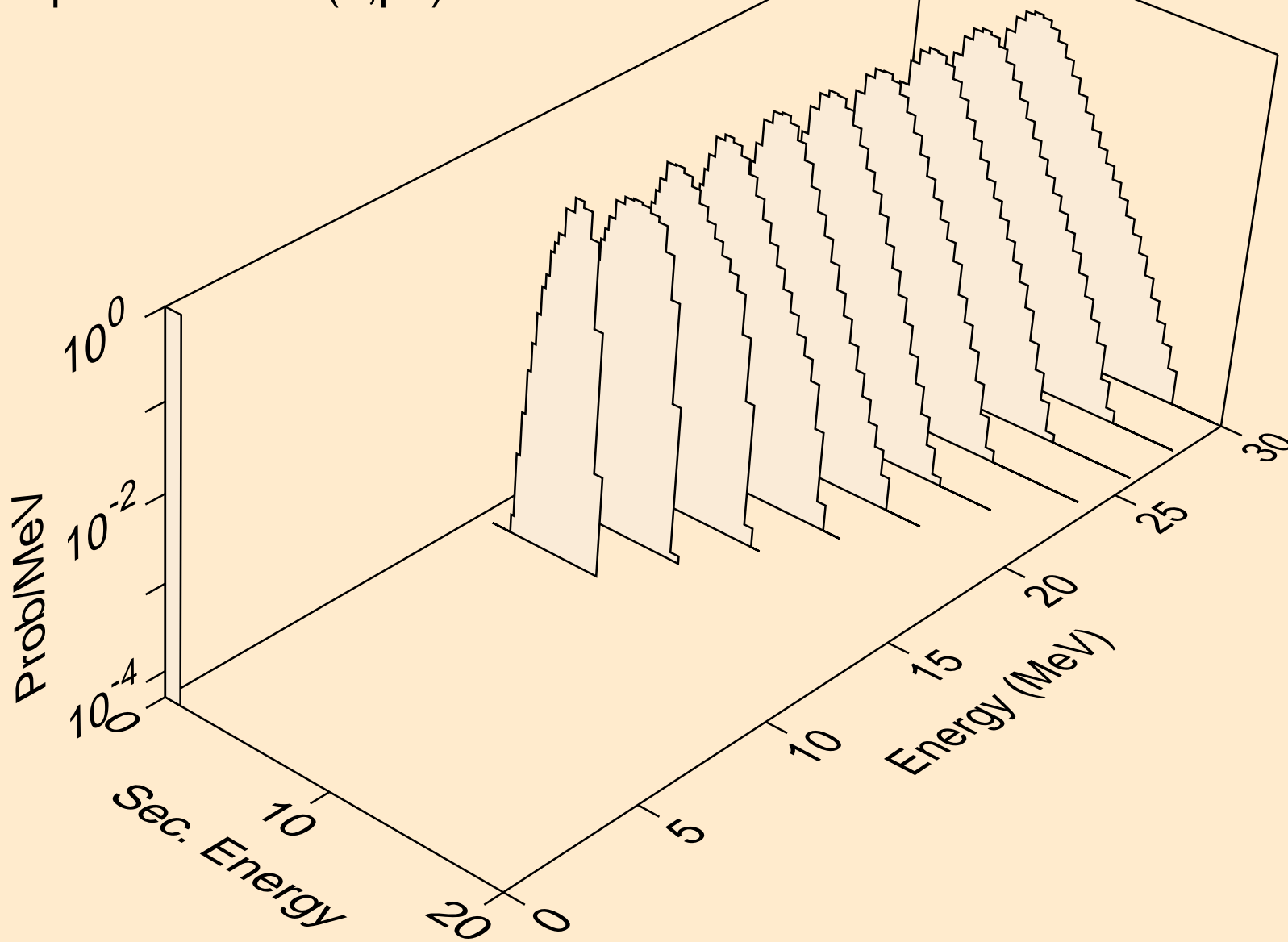
RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,p)



RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,2p)

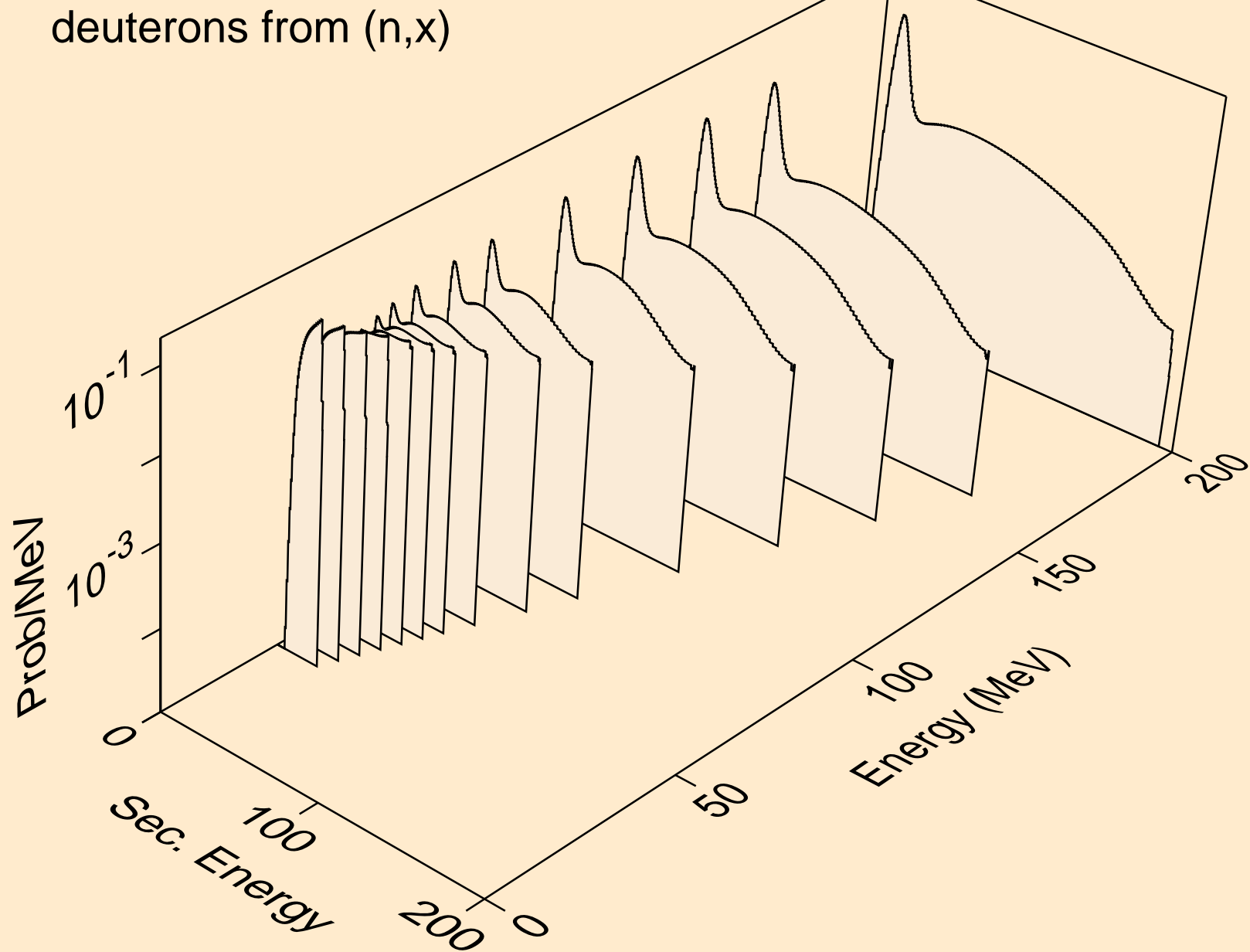


RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,pa)

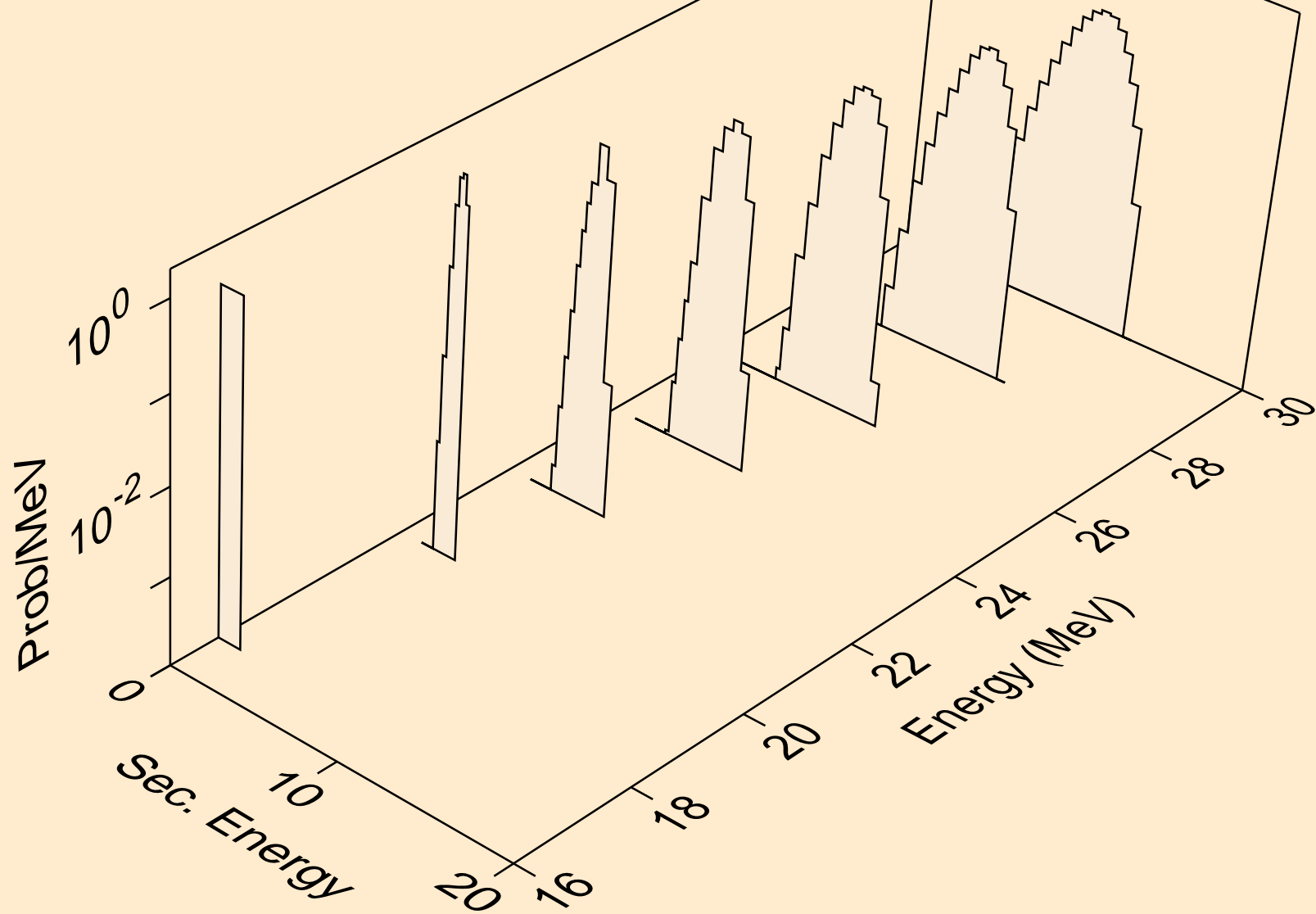




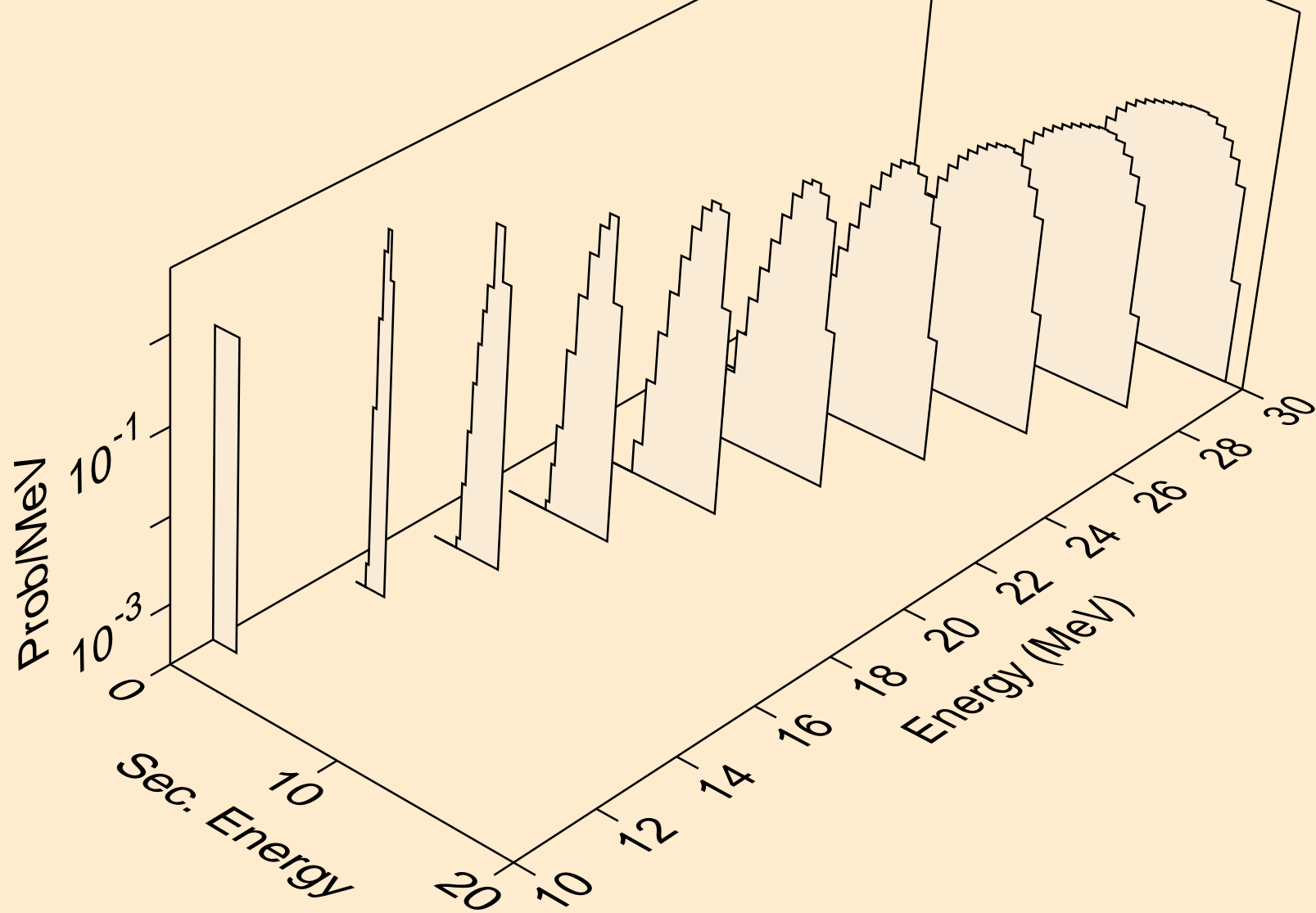
RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,x)



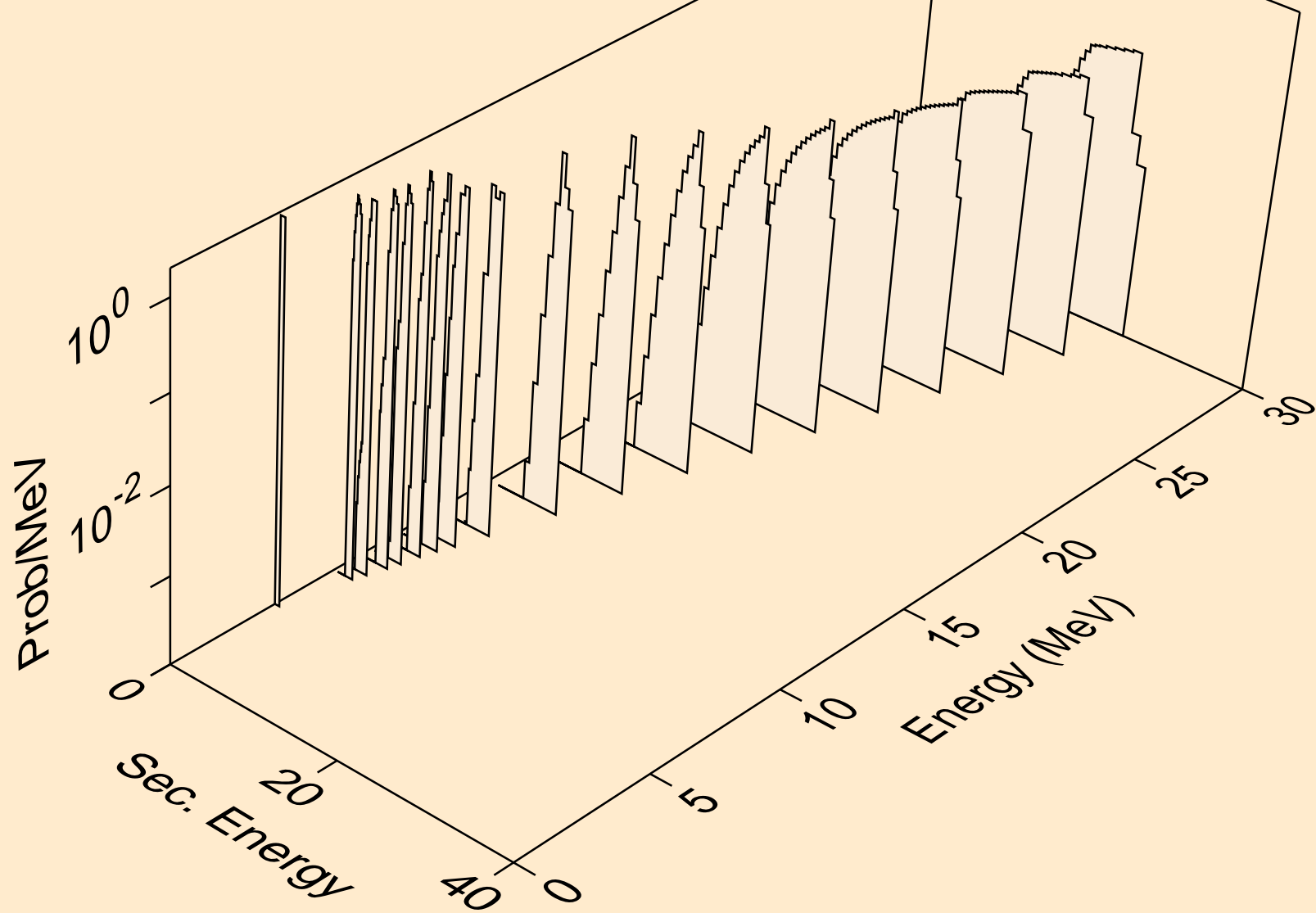
RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,2nd)



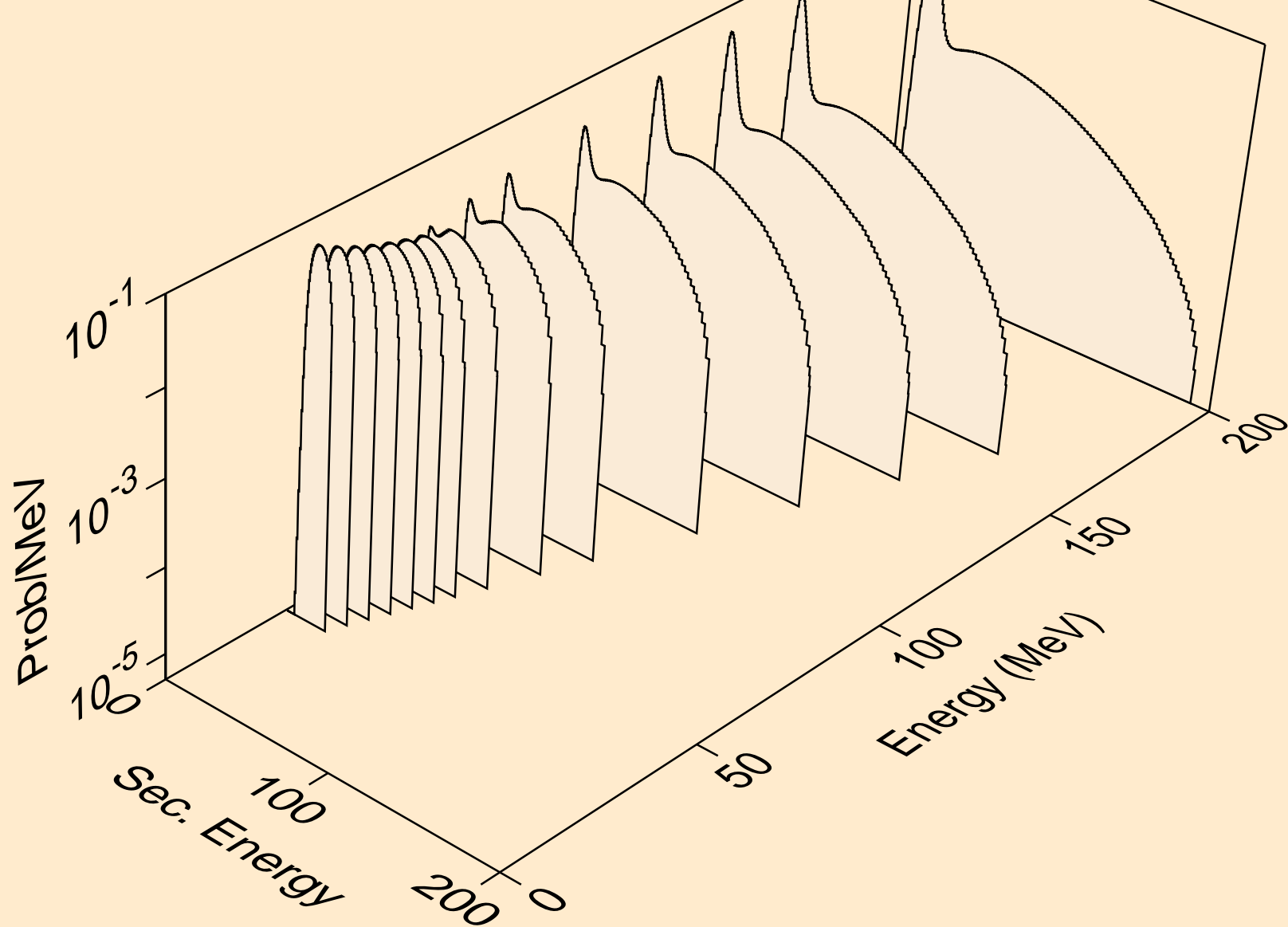
RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,n\*)d



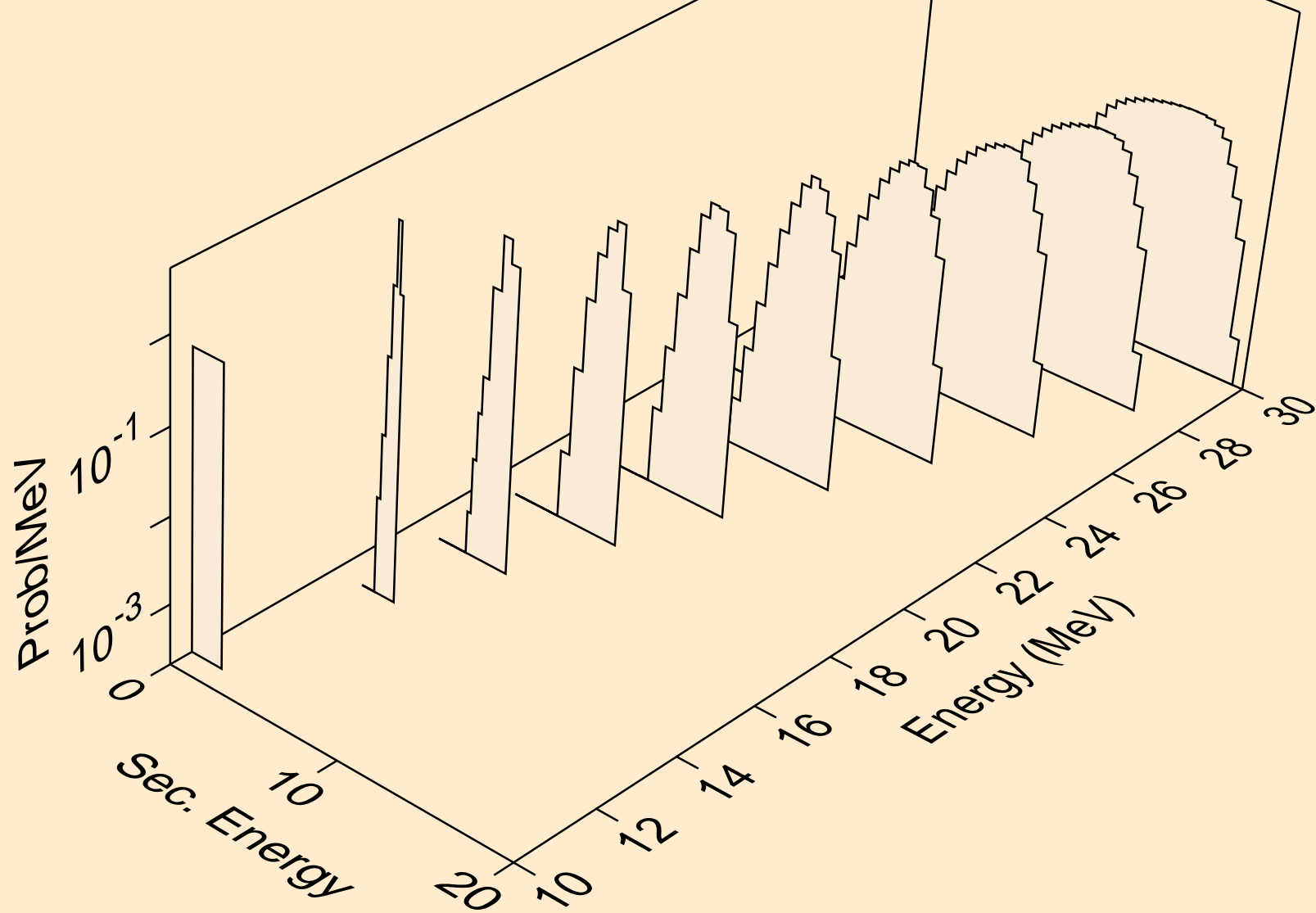
RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,d)



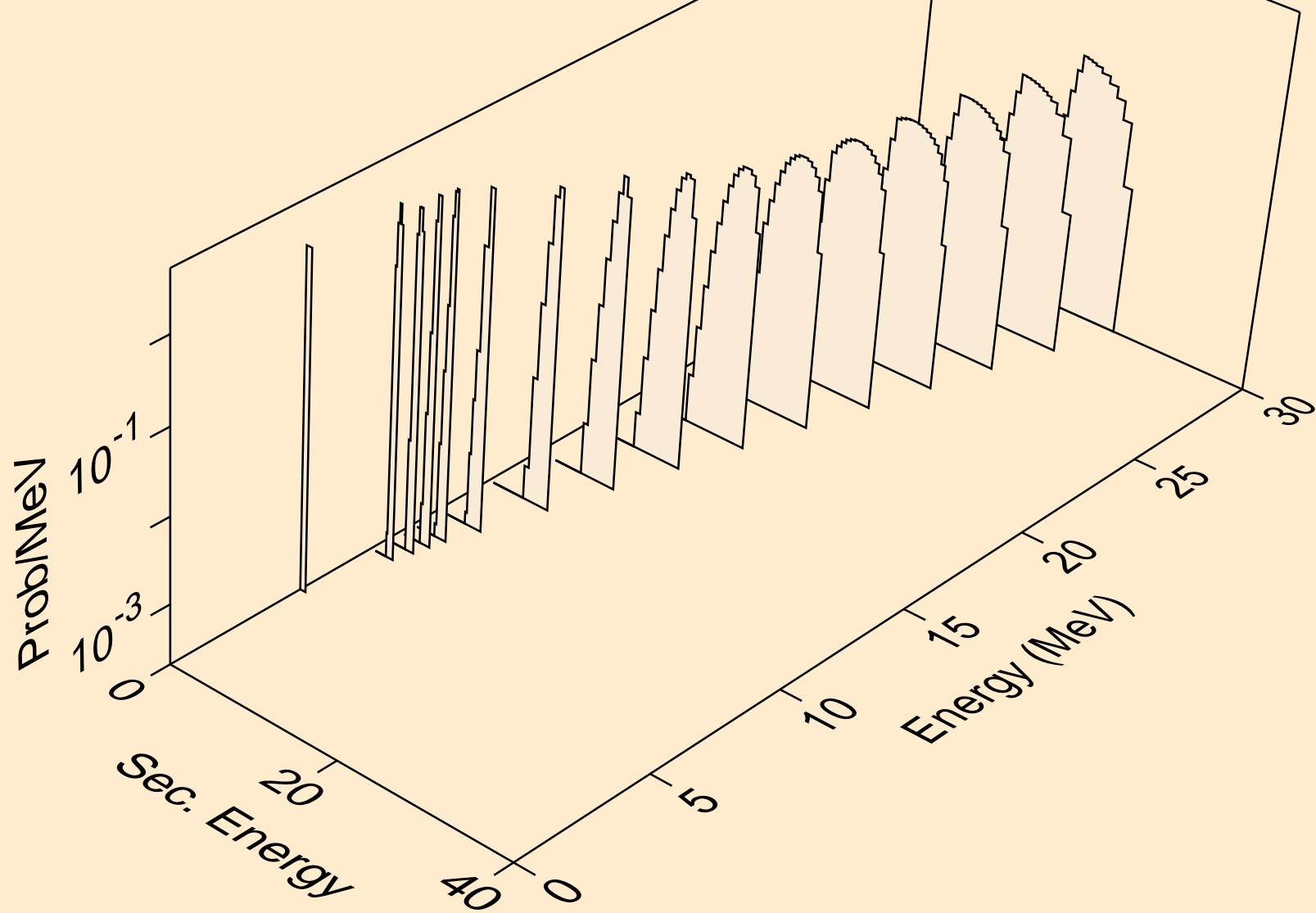
RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,x)



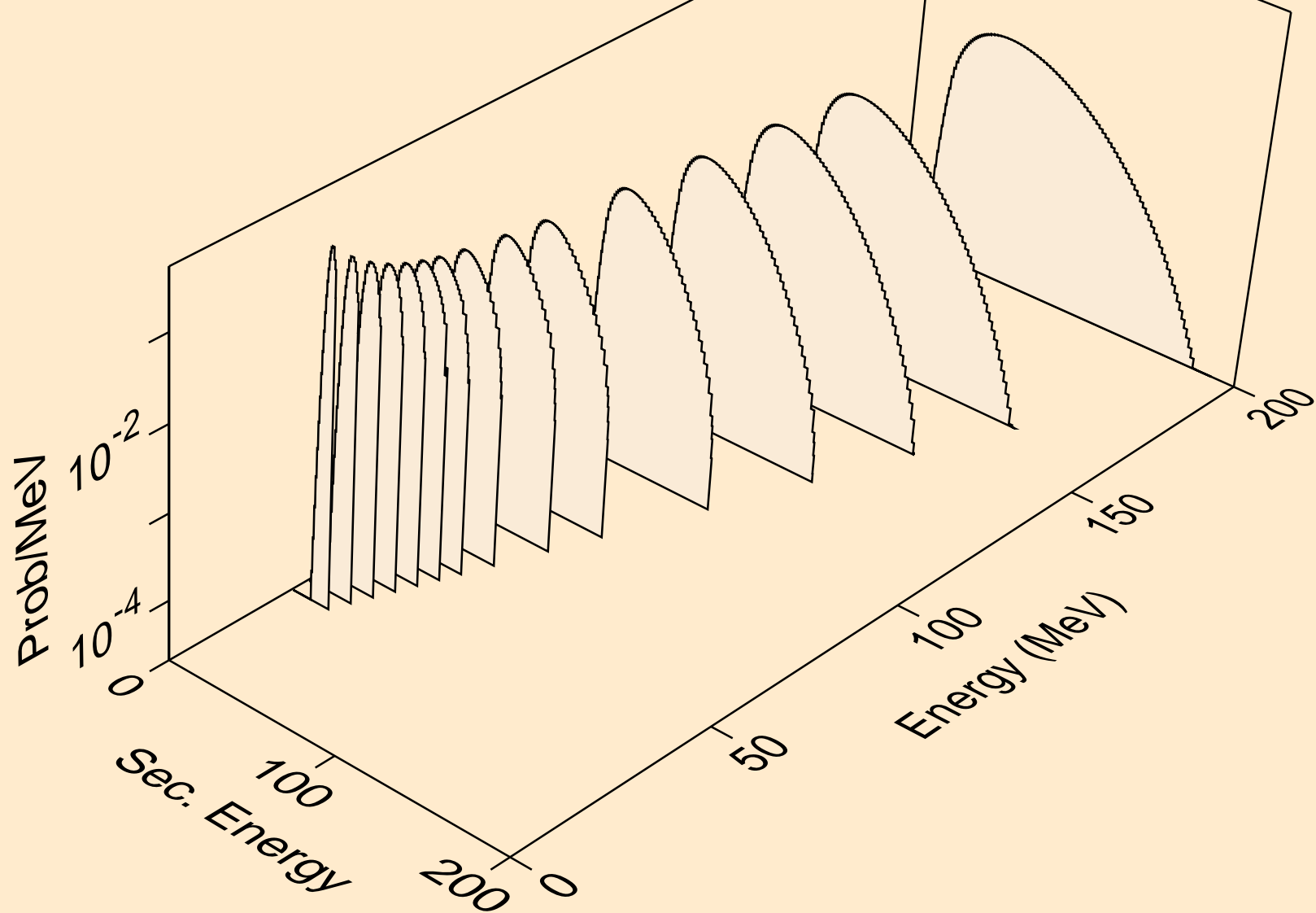
RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,n\*)t



RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,t)

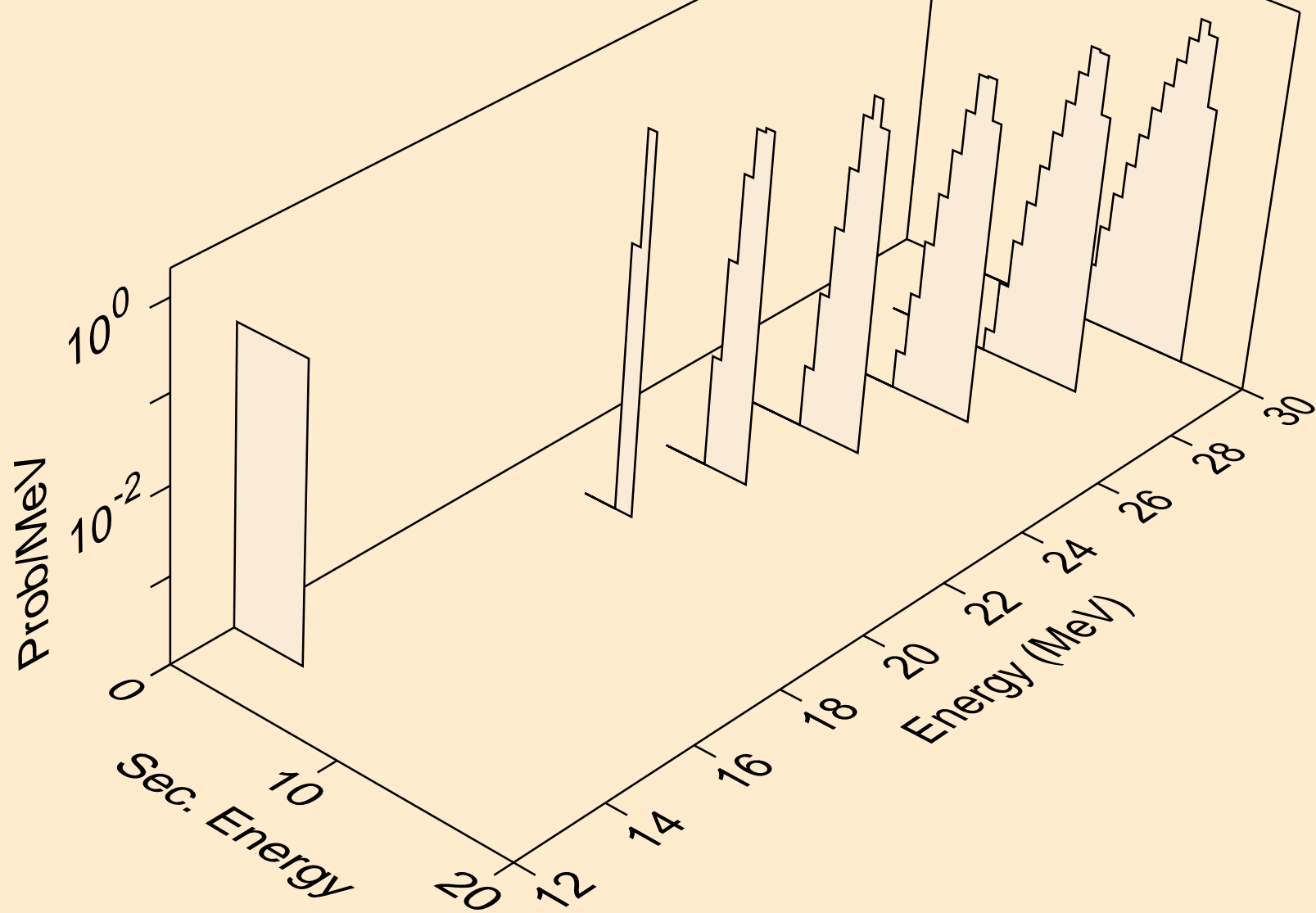


RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,x)

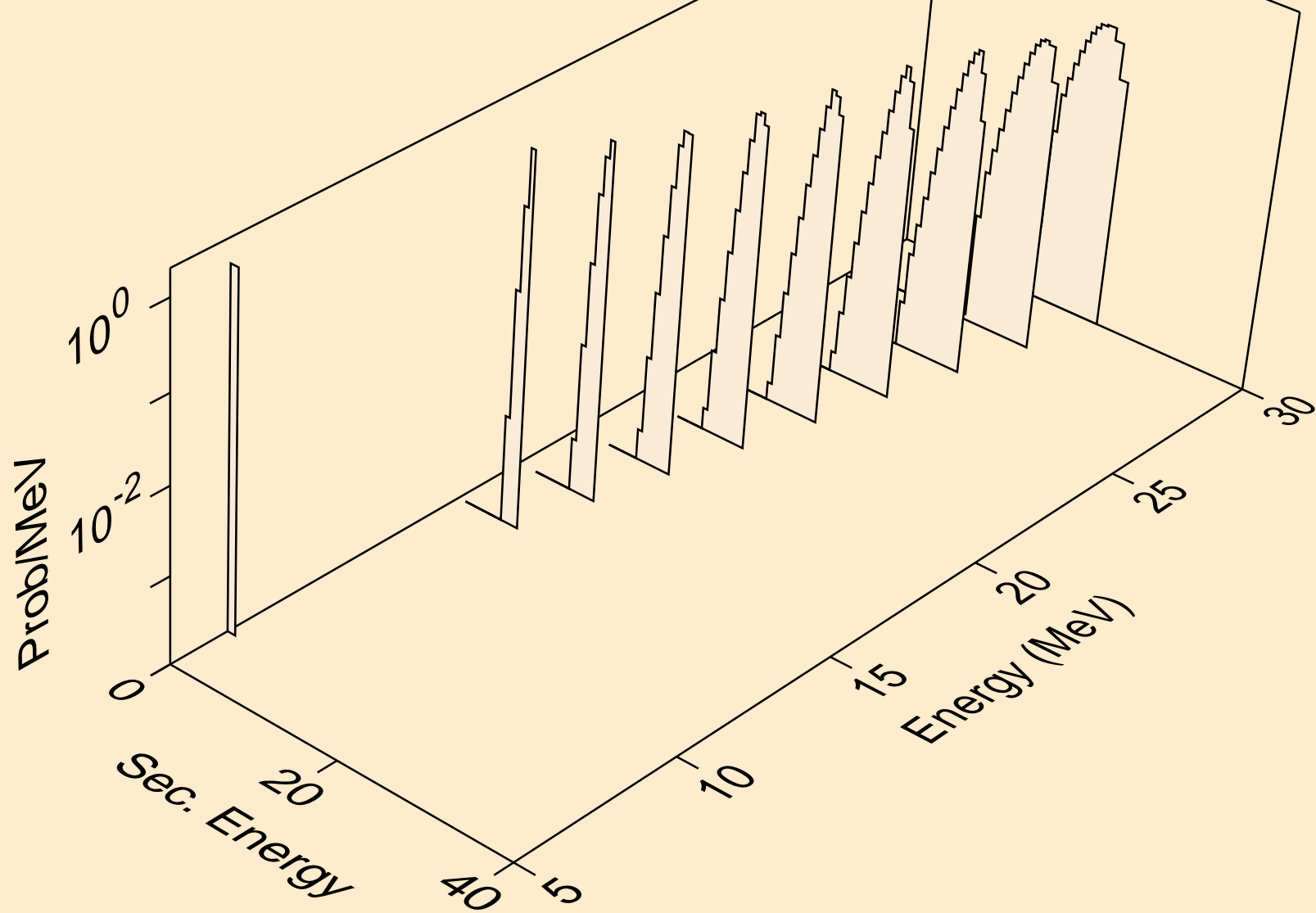




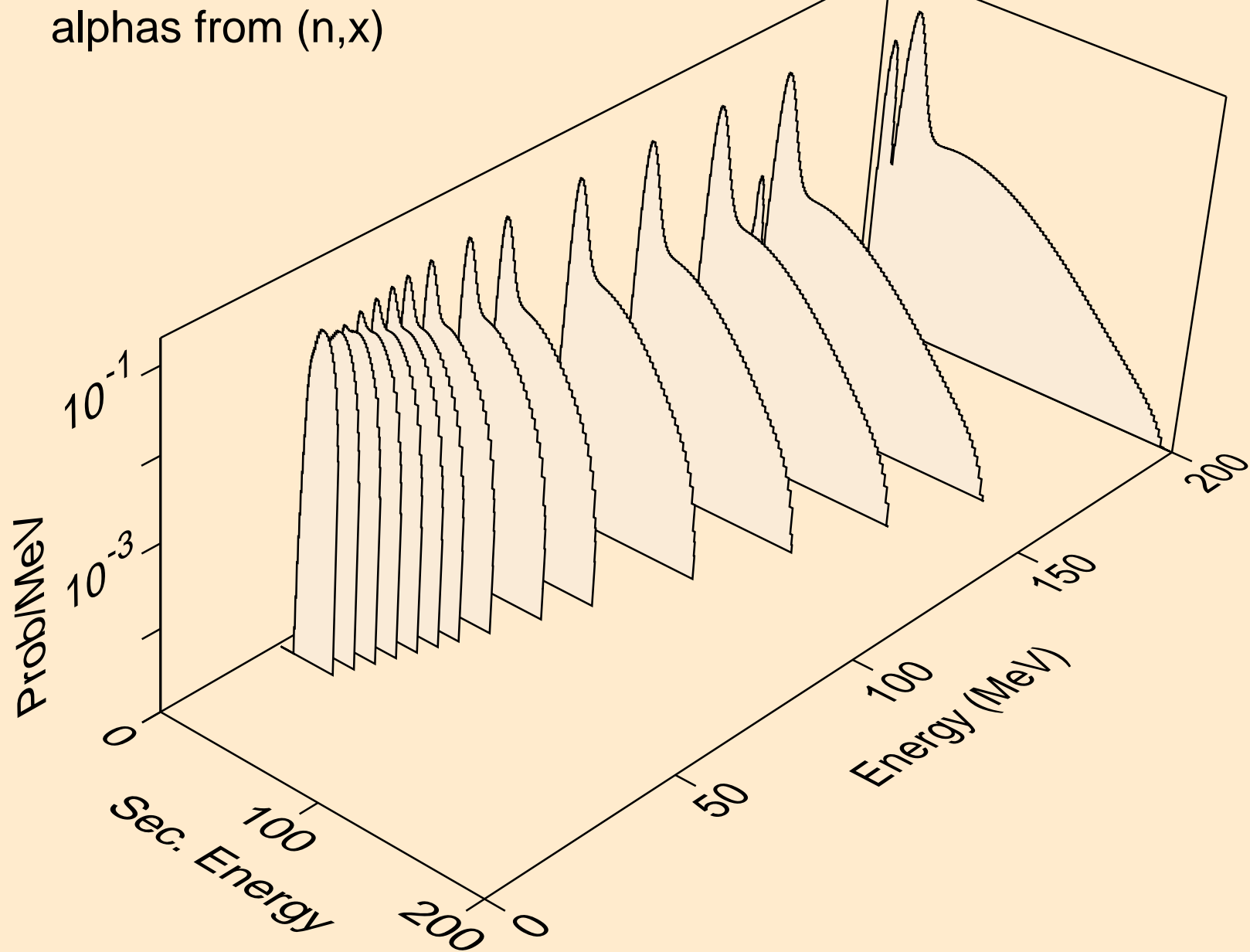
RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,n\*)he3



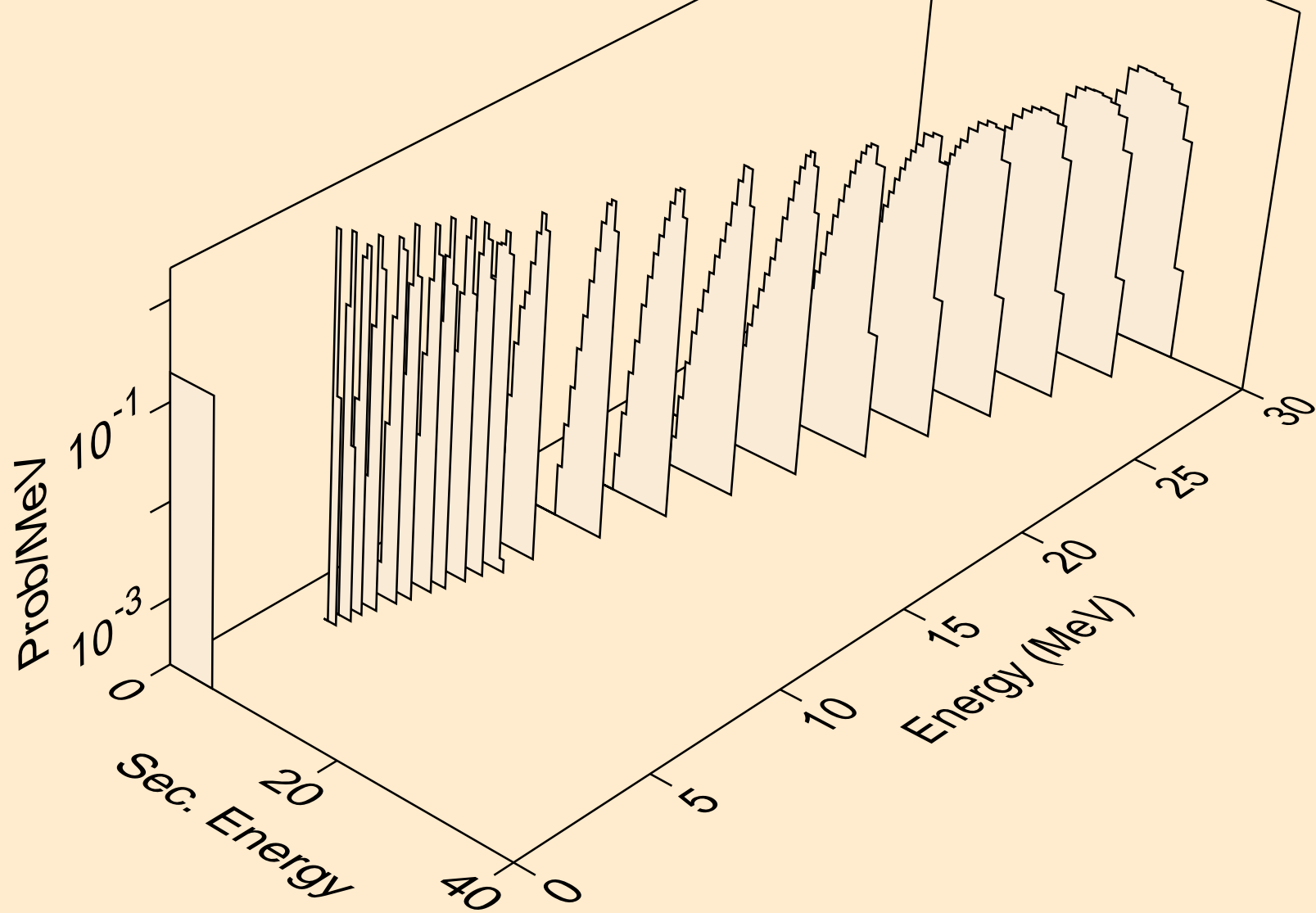
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he3s from (n,he3)



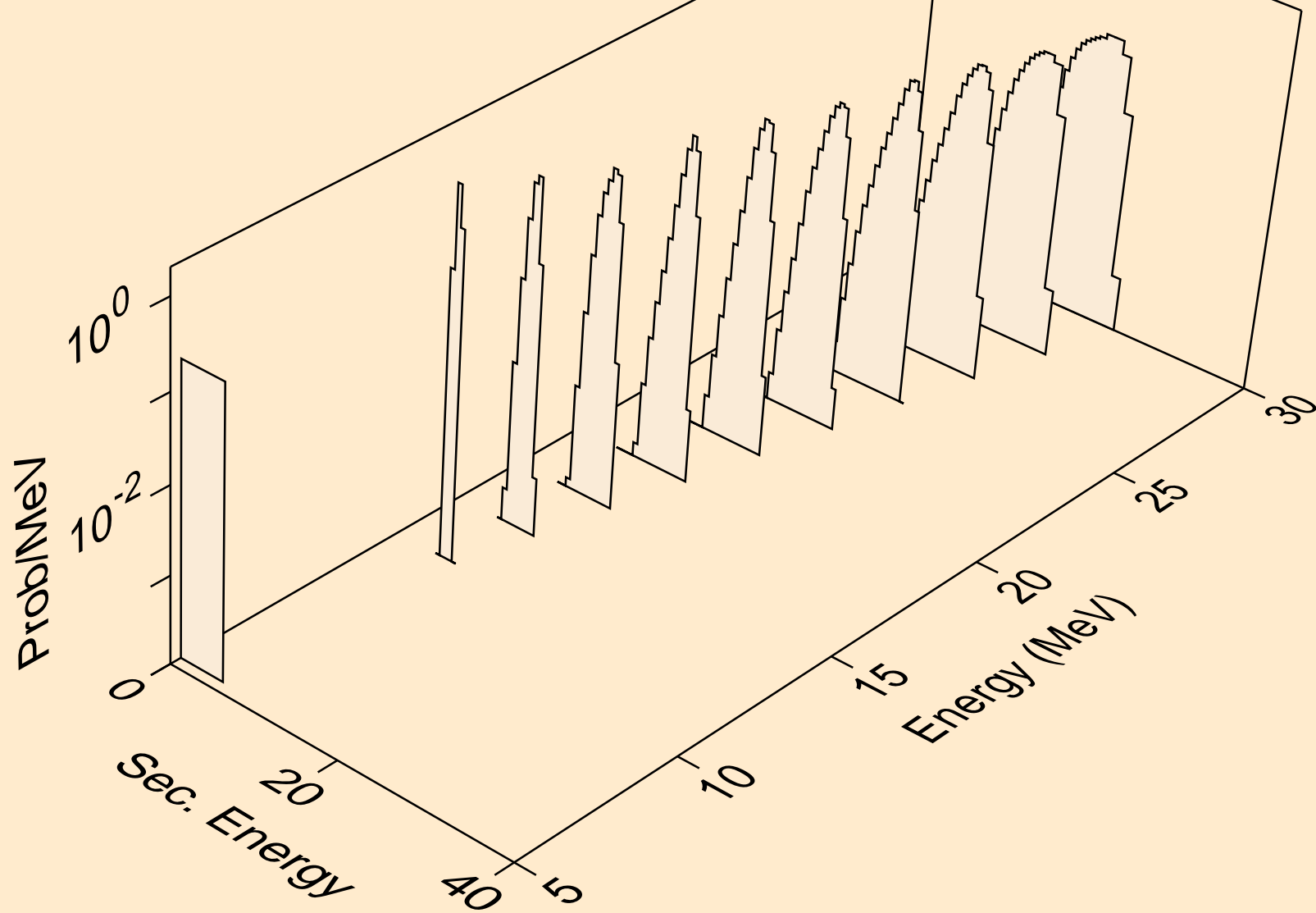
RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,x)



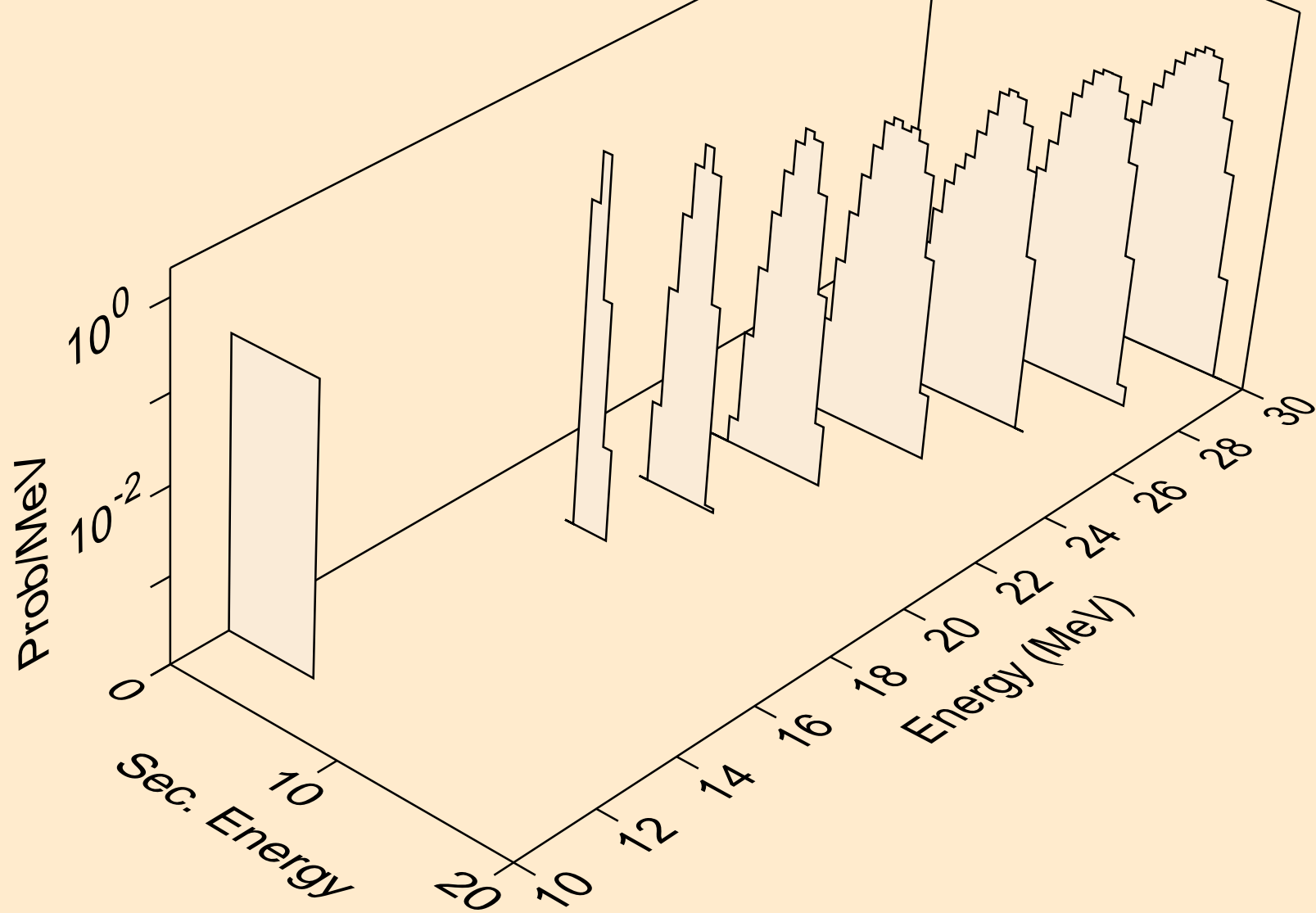
RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)a



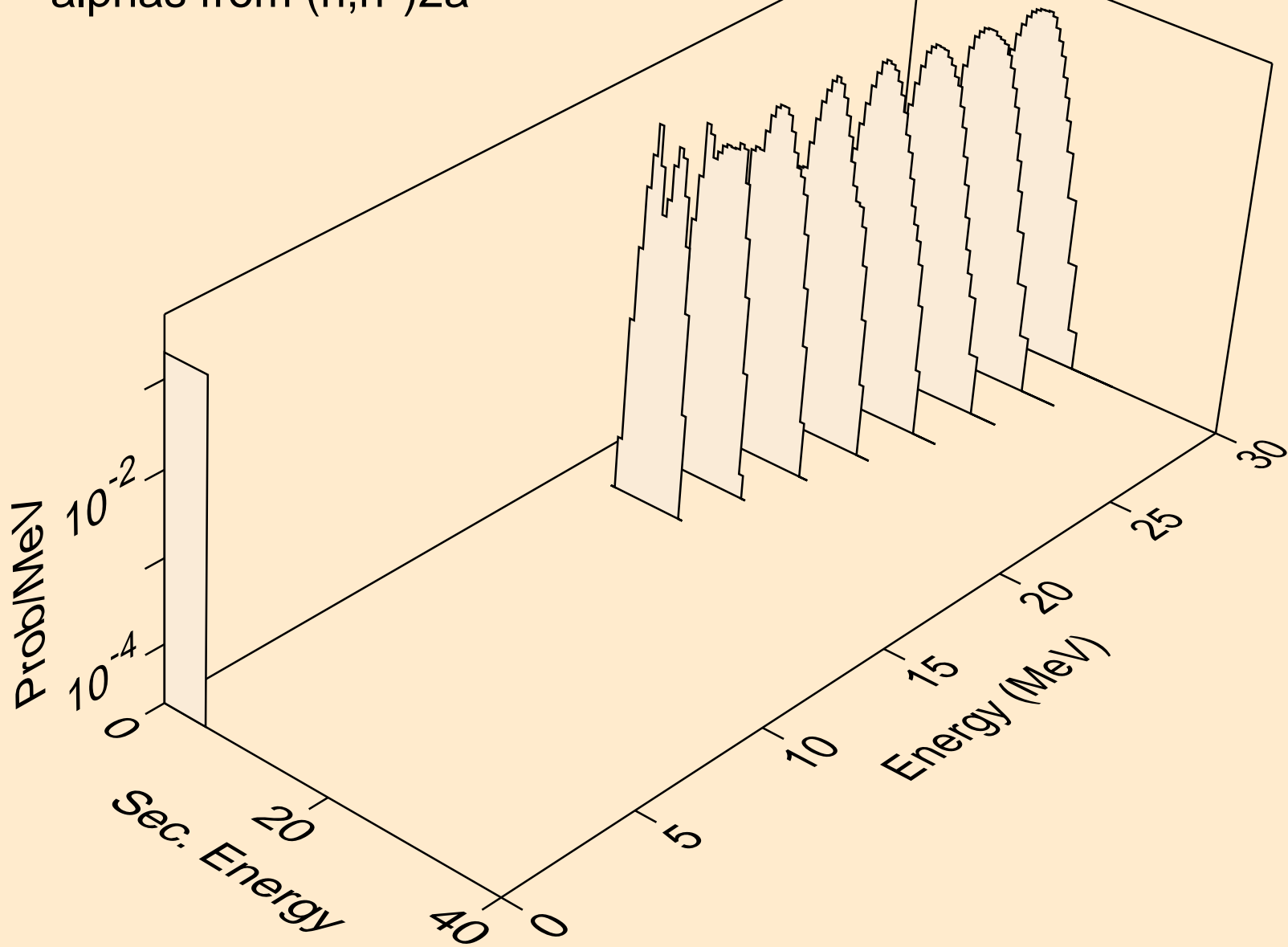
RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2n)a



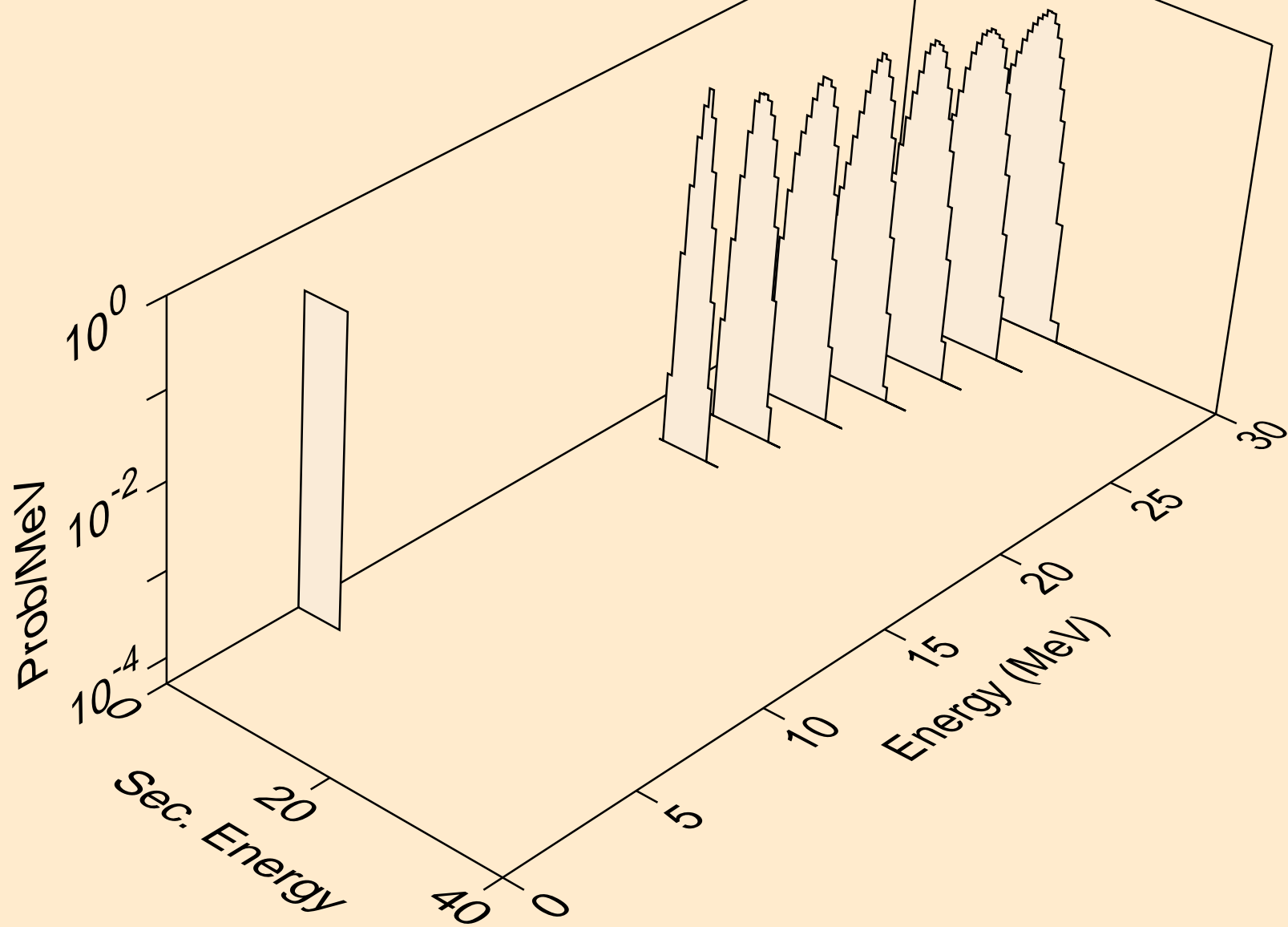
RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,3n)a



RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)2a

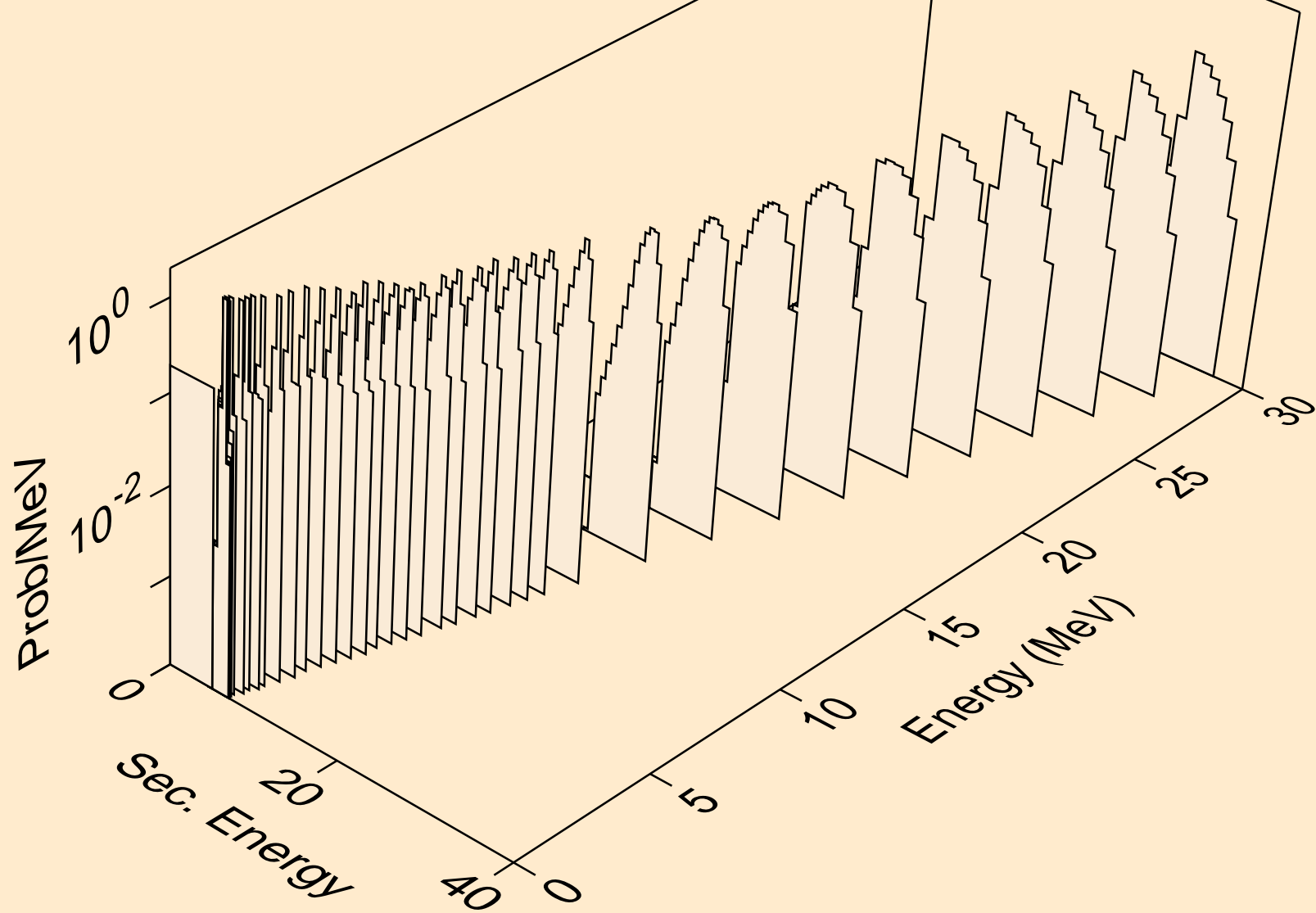


RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,npa)

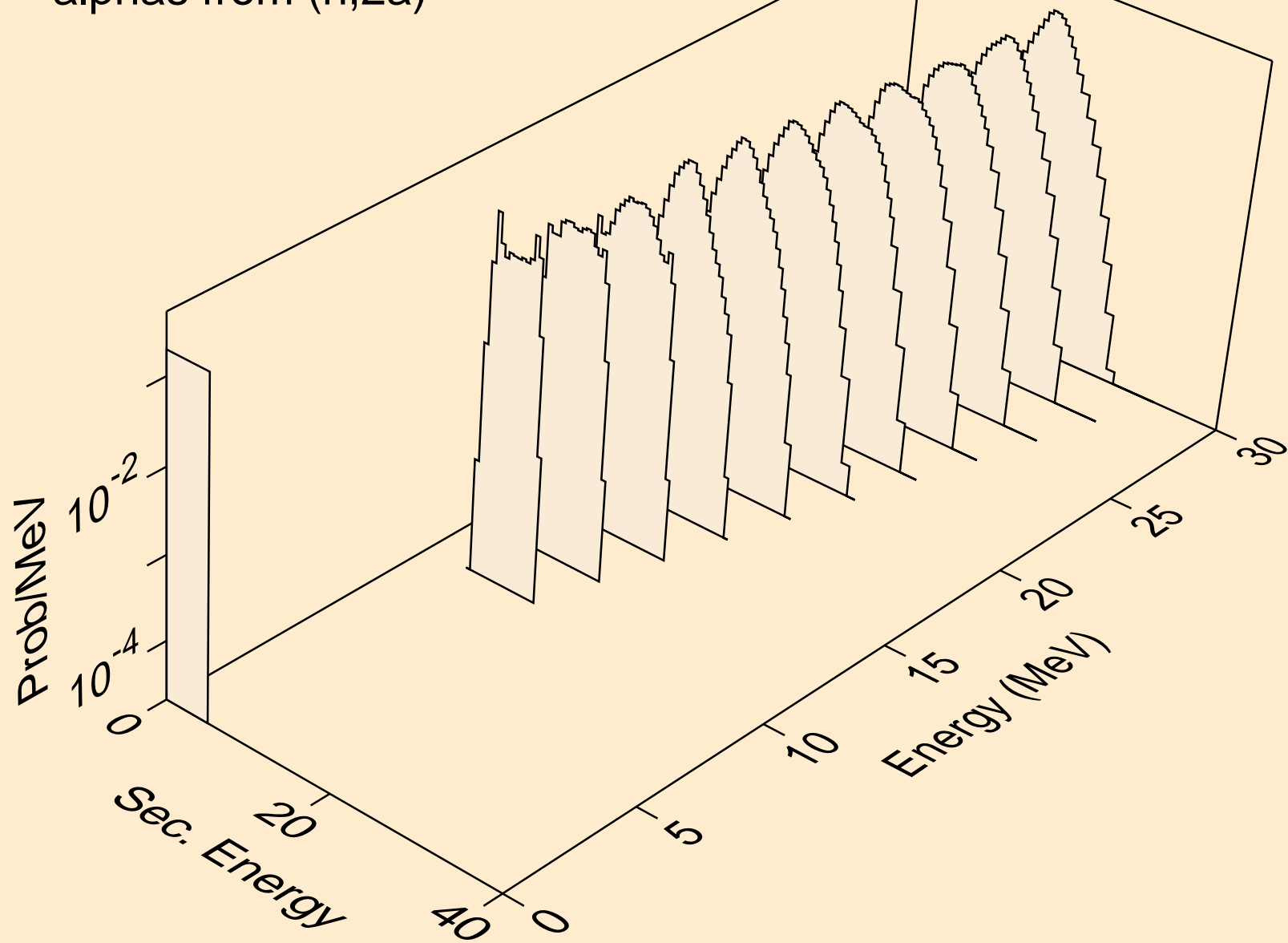




RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,a)



RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2a)



RE187 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,pa)

