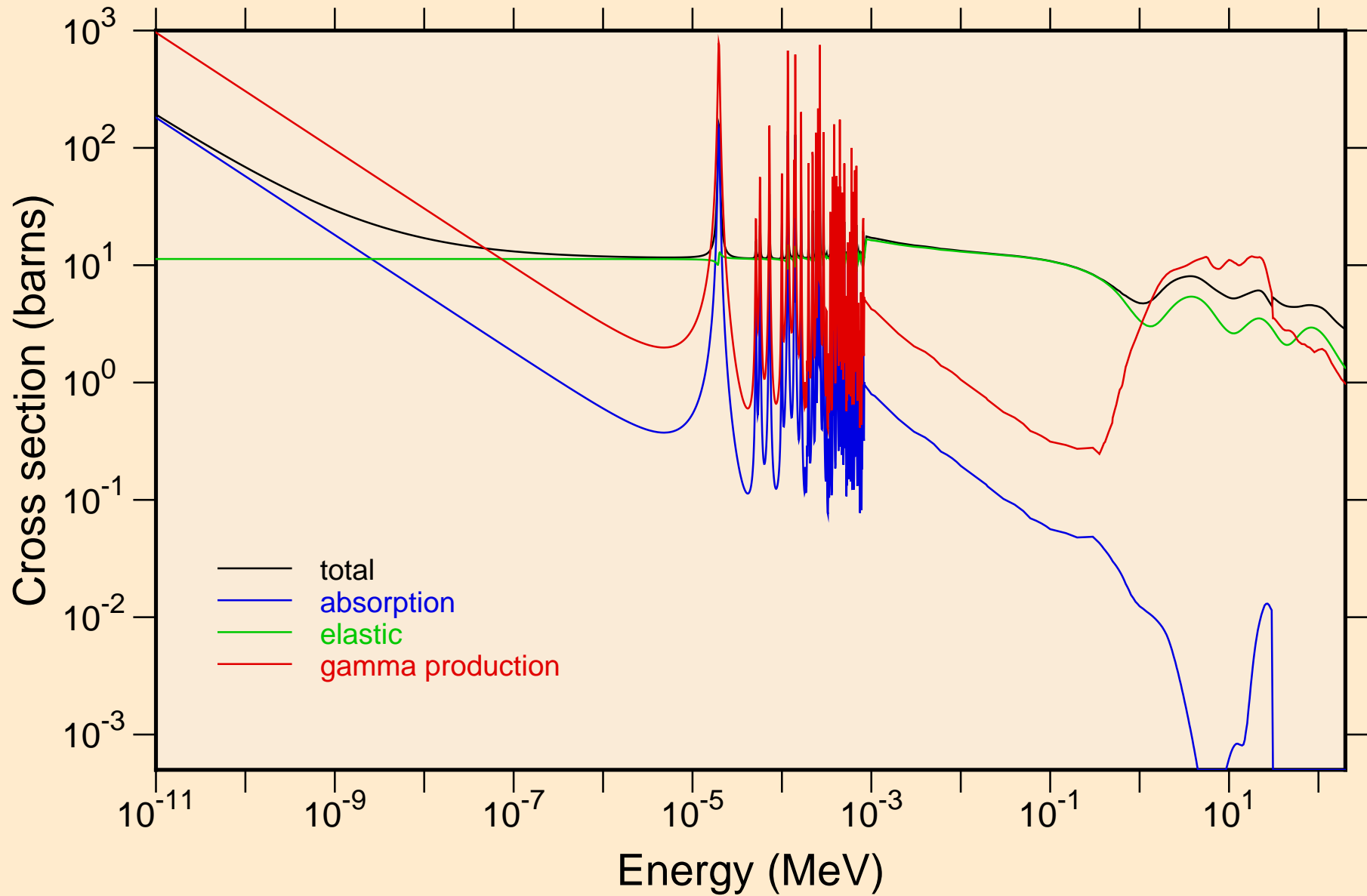
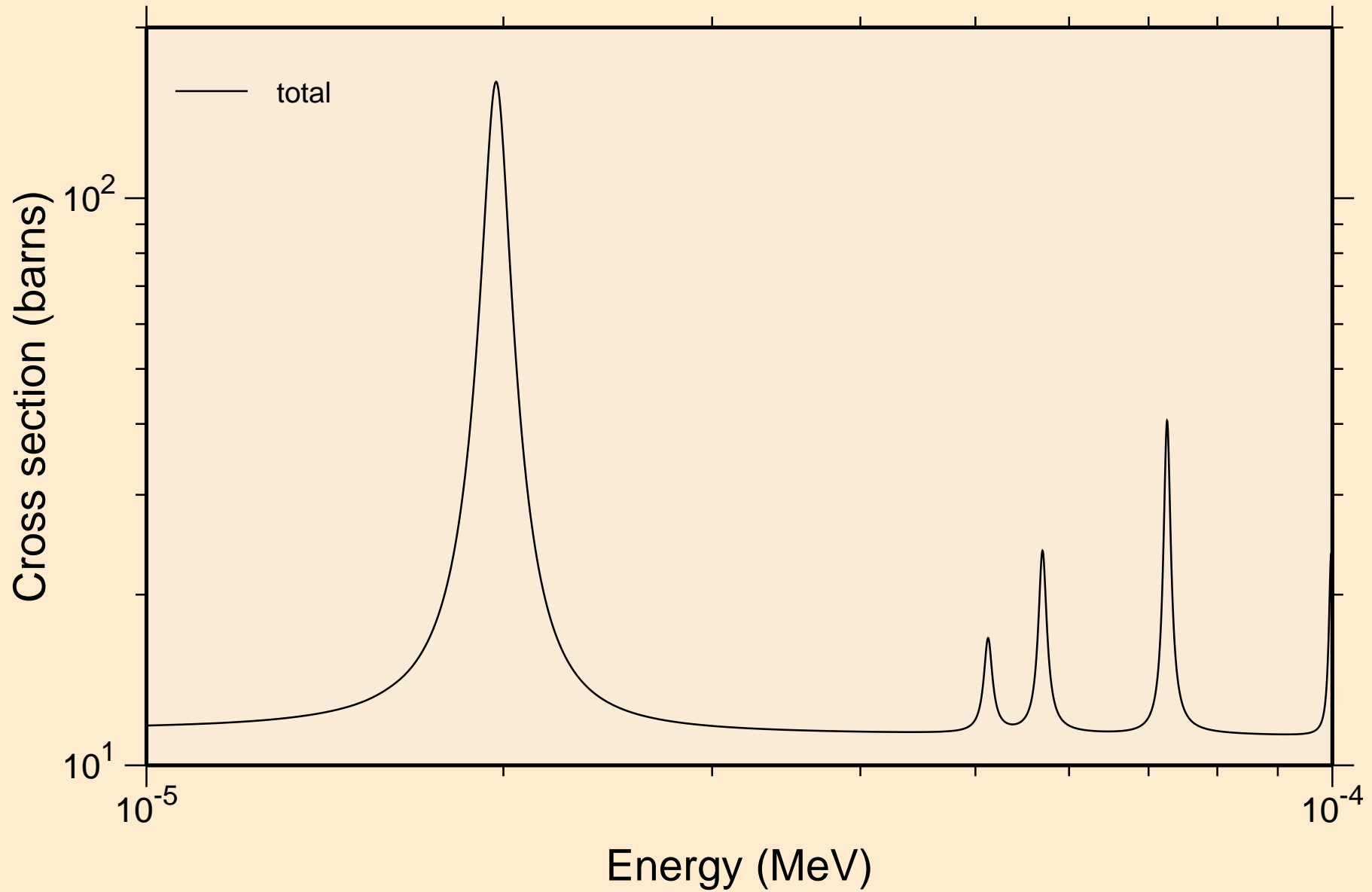


# AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

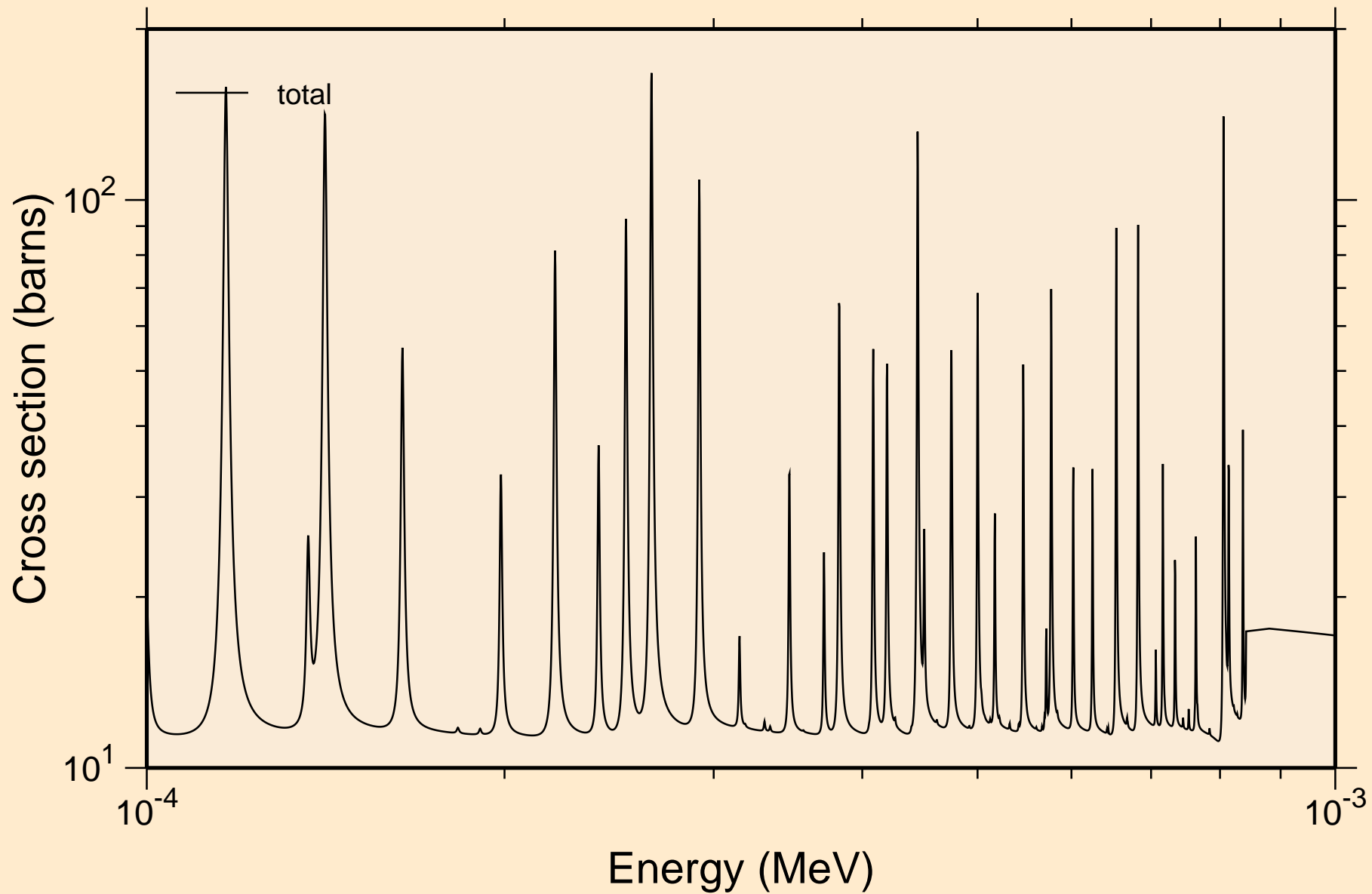
## Principal cross sections



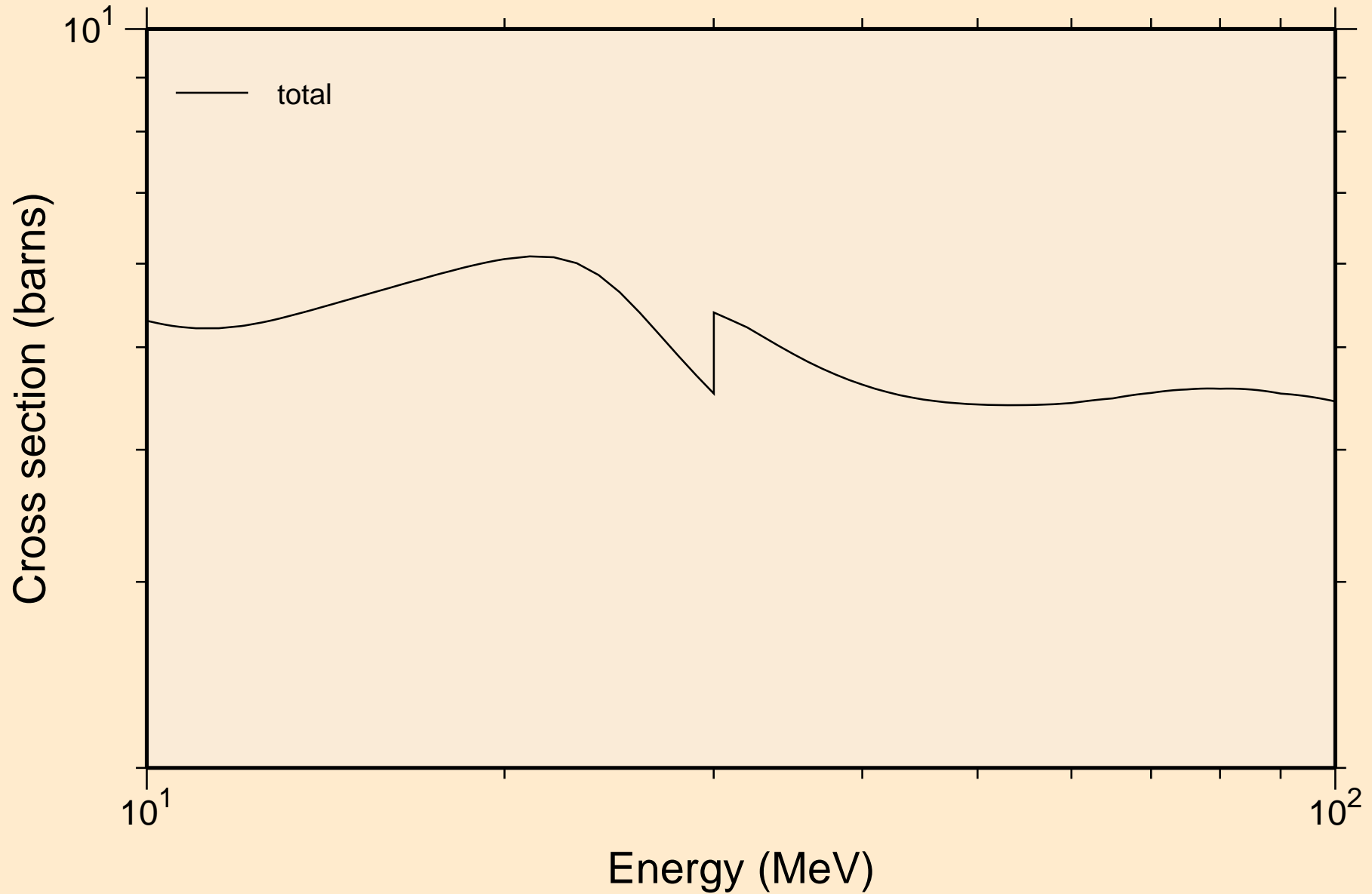
AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



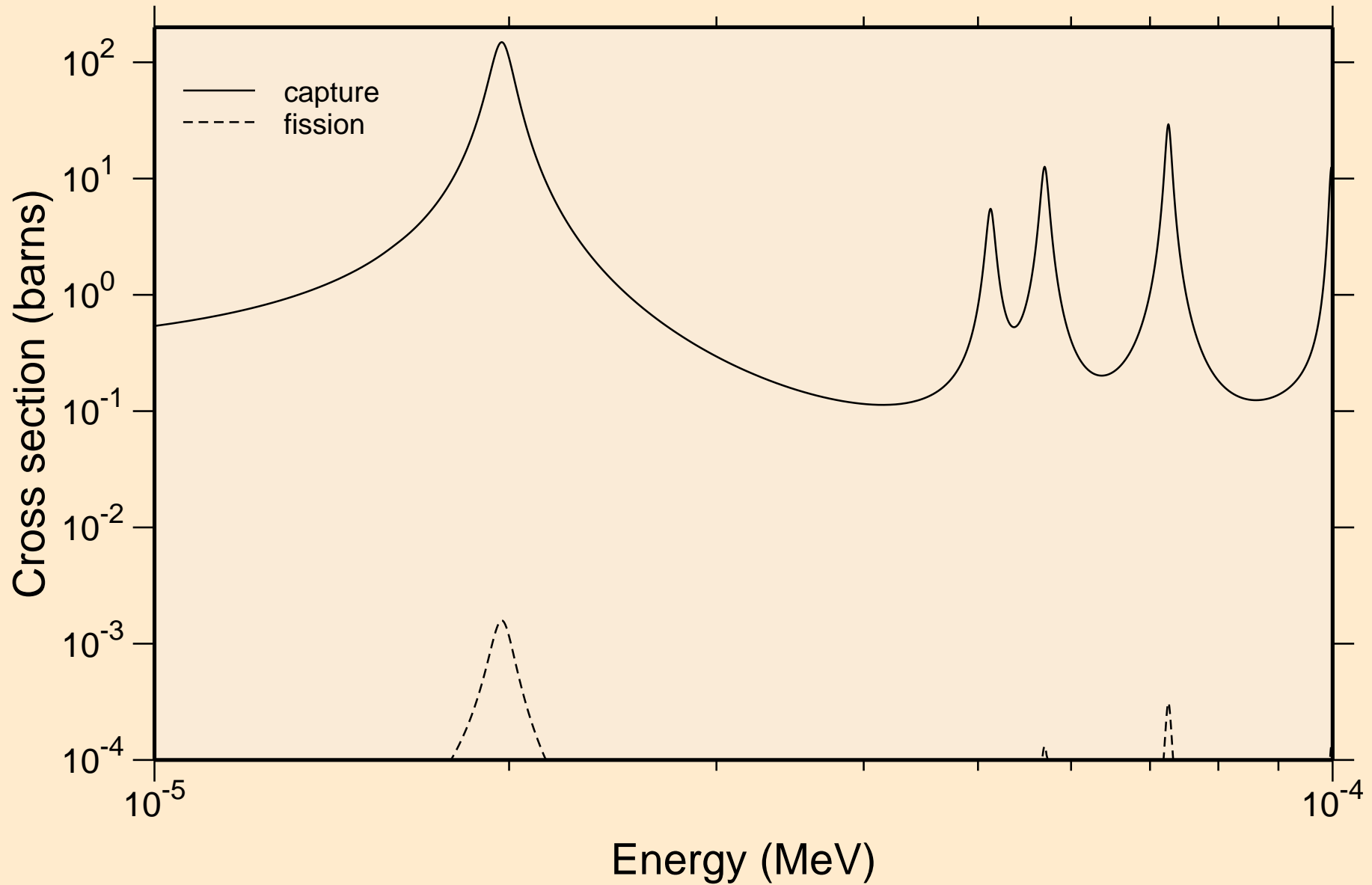
AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



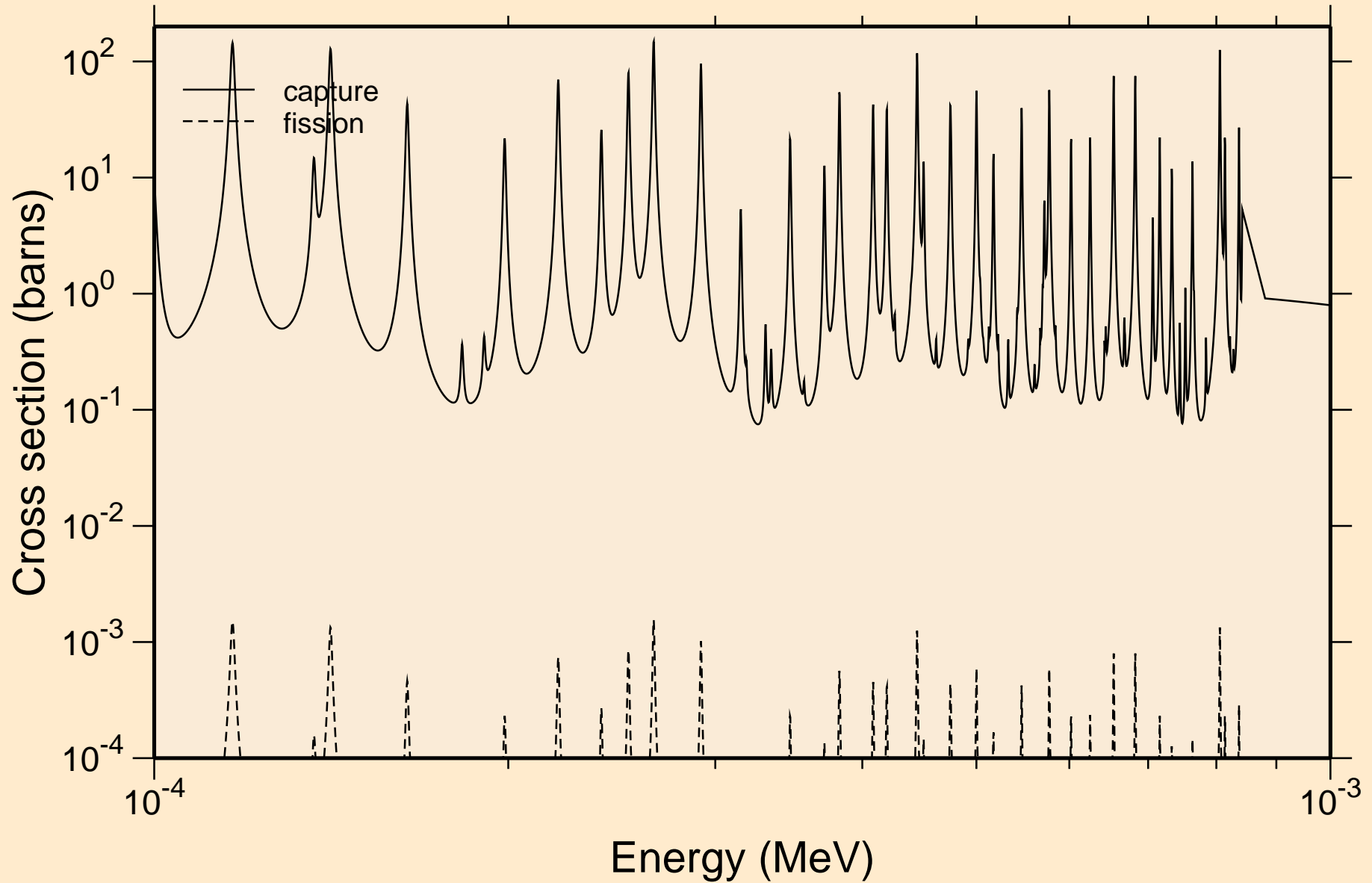
AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



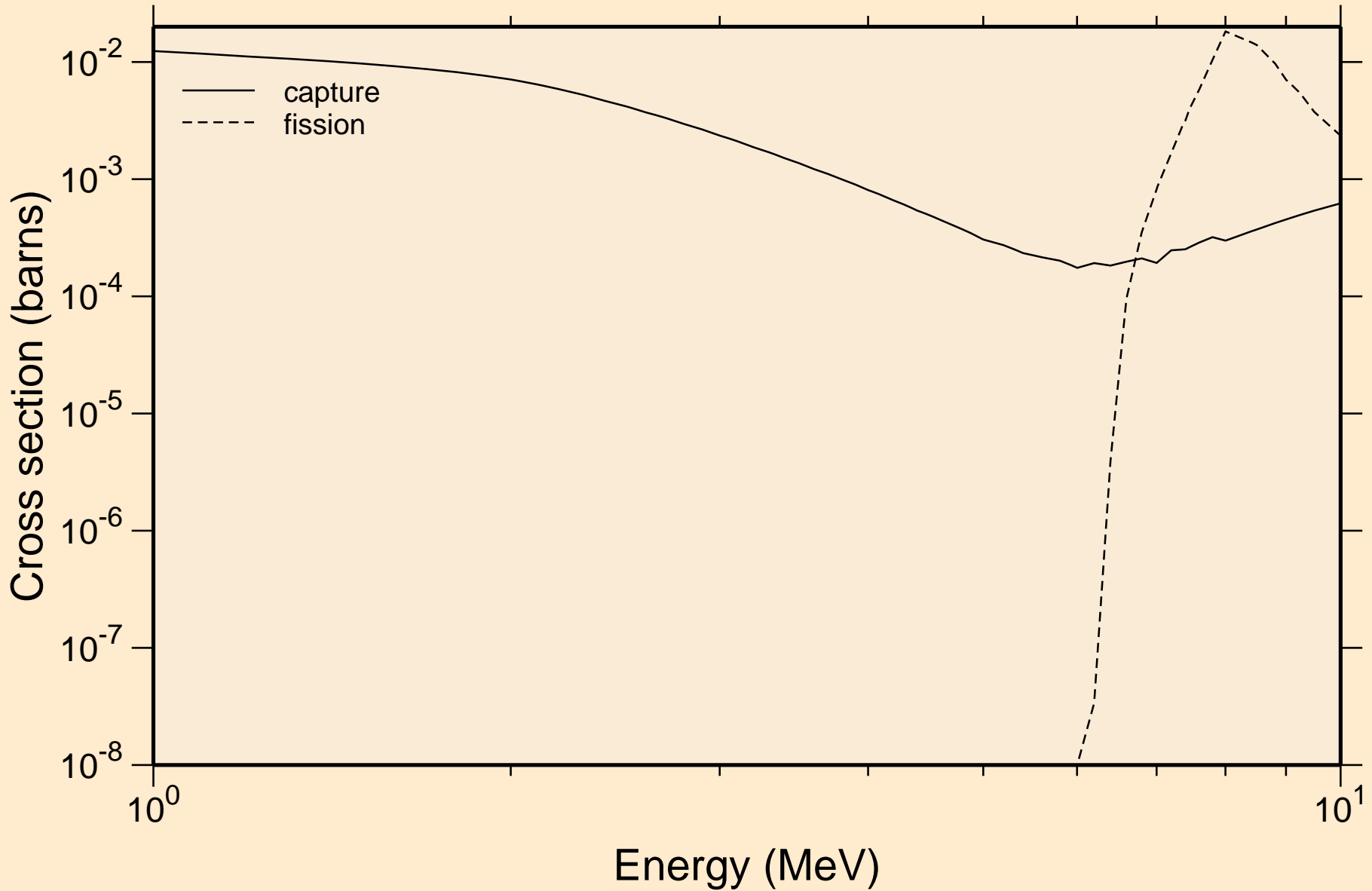
AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

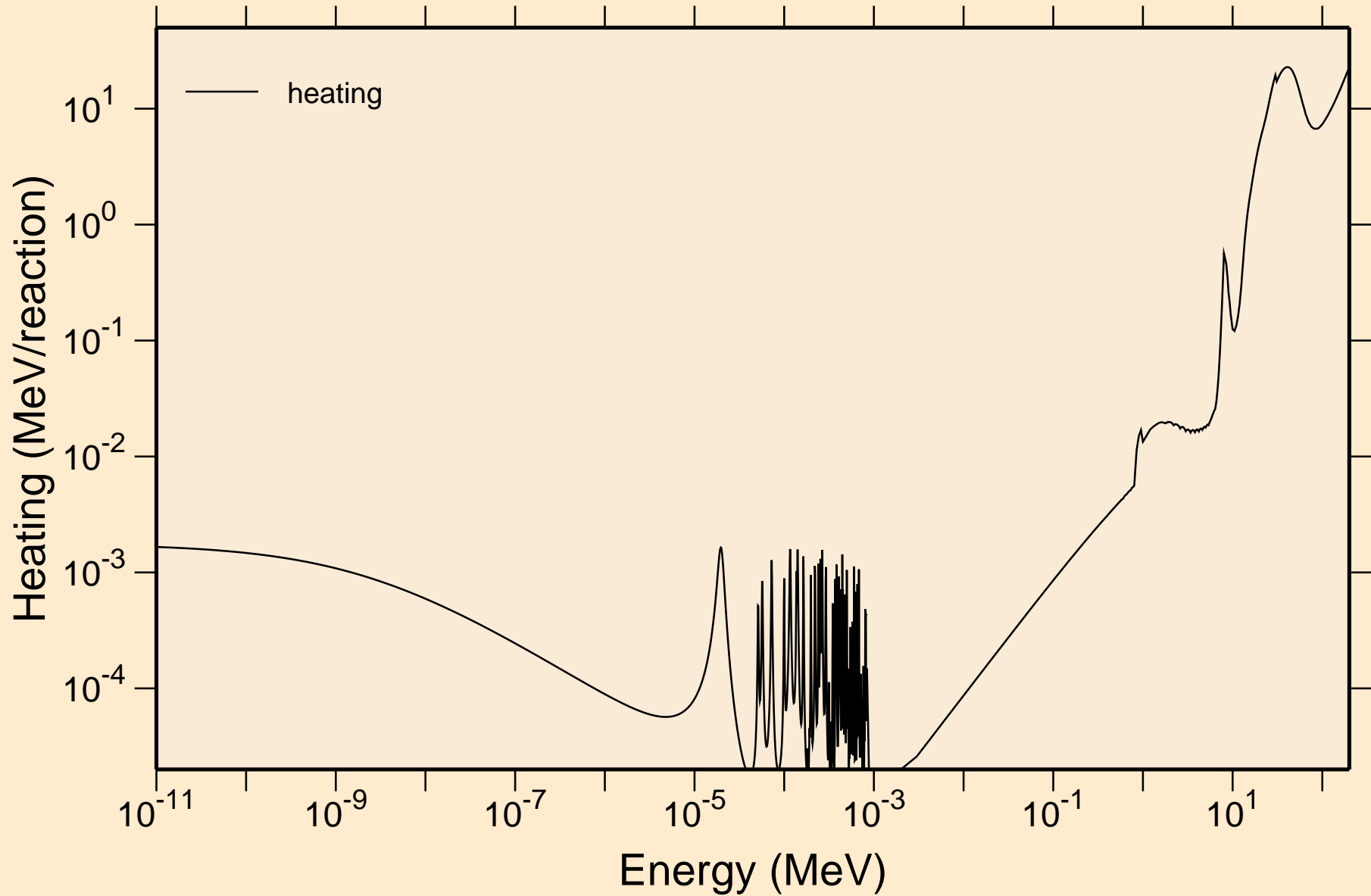


AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

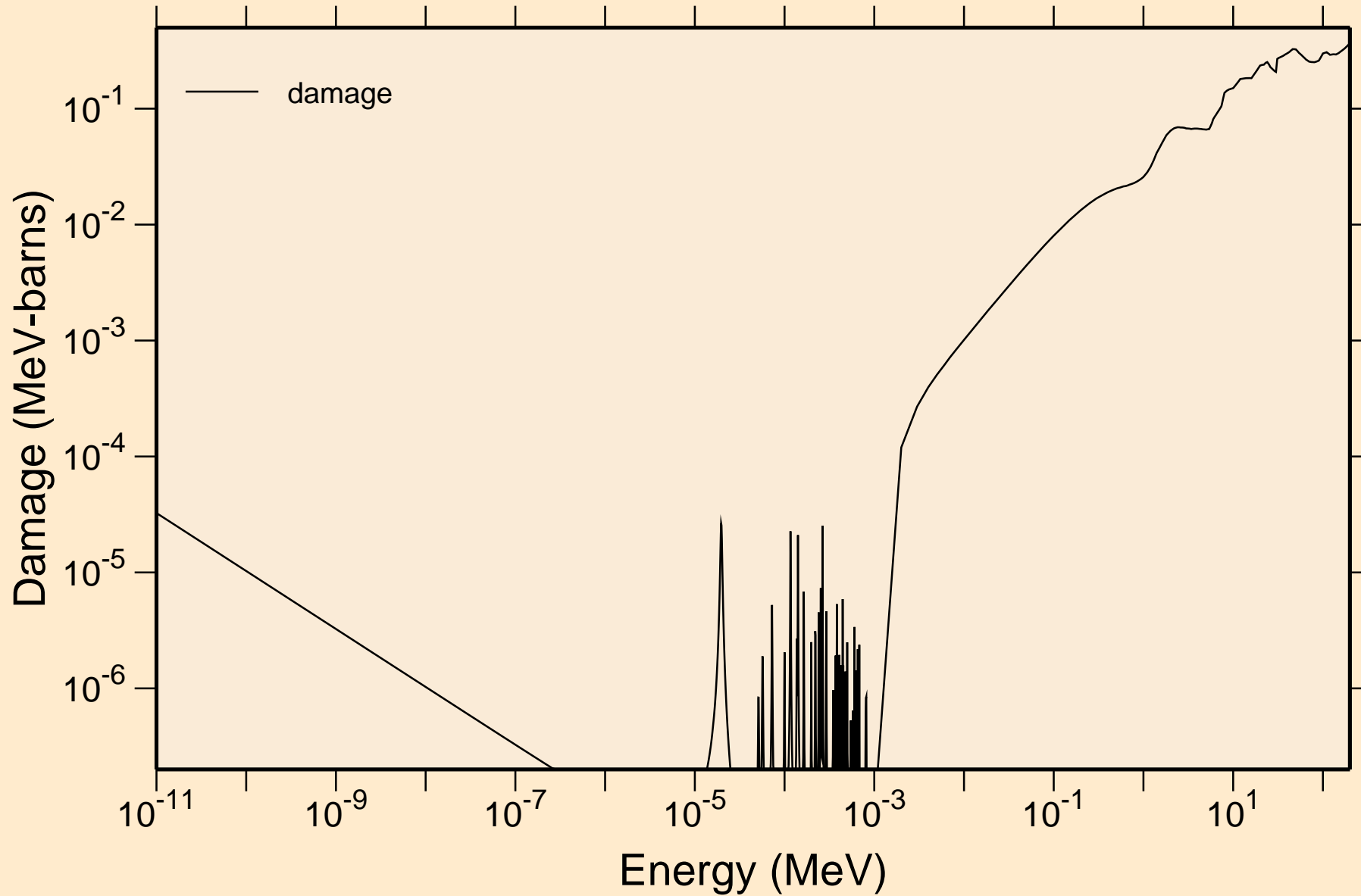


# AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

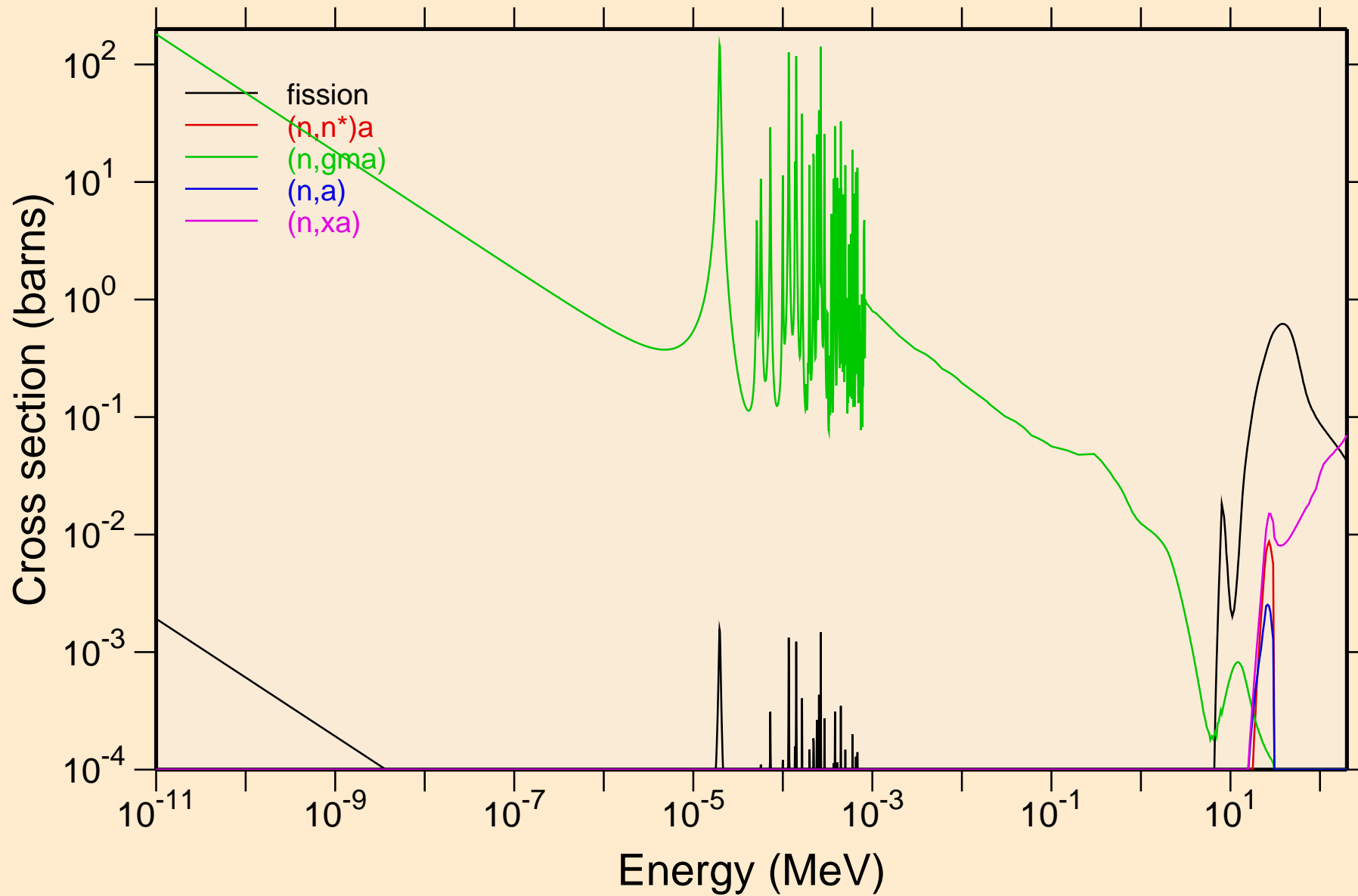
## Heating



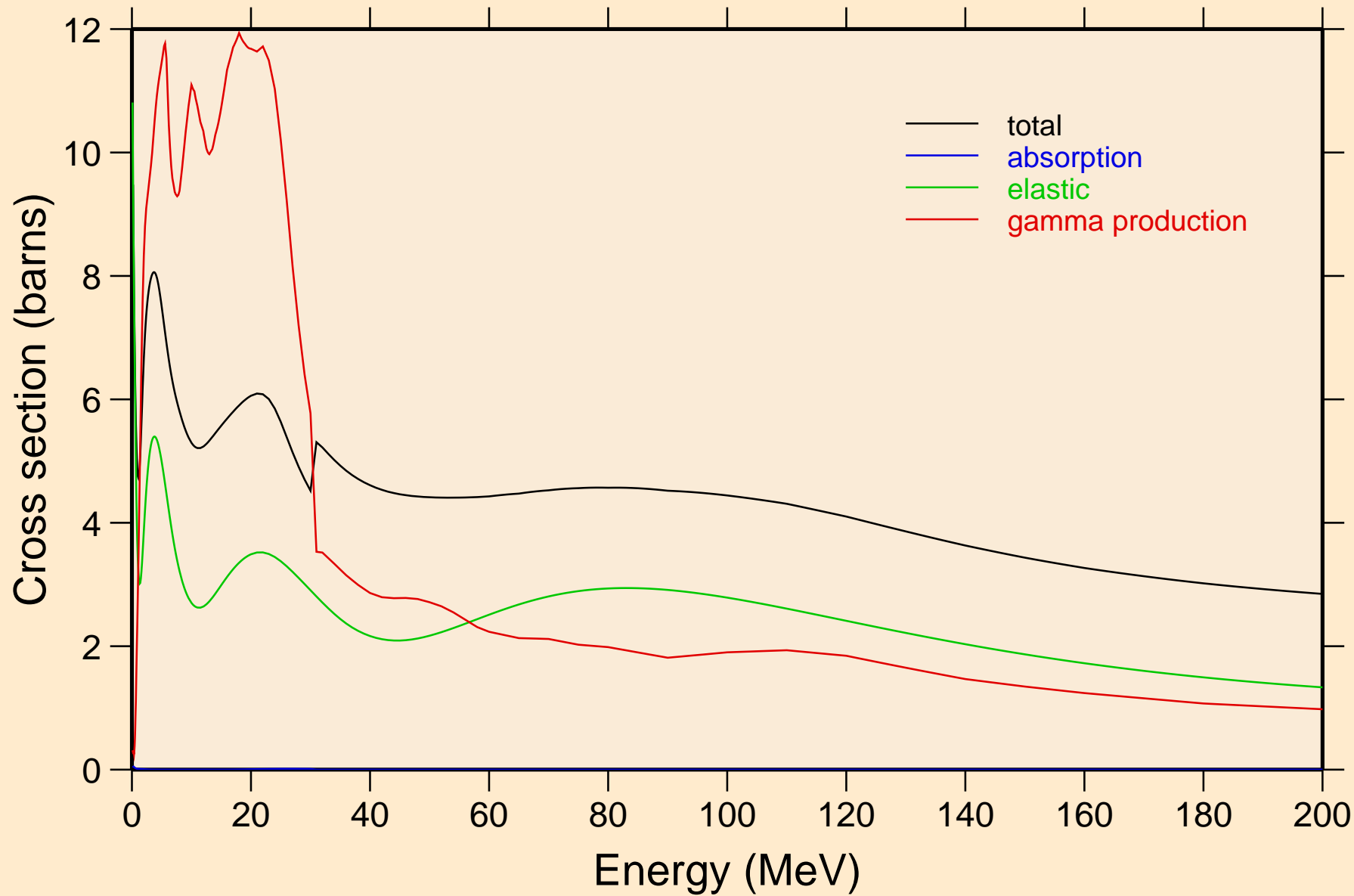
AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Damage



AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

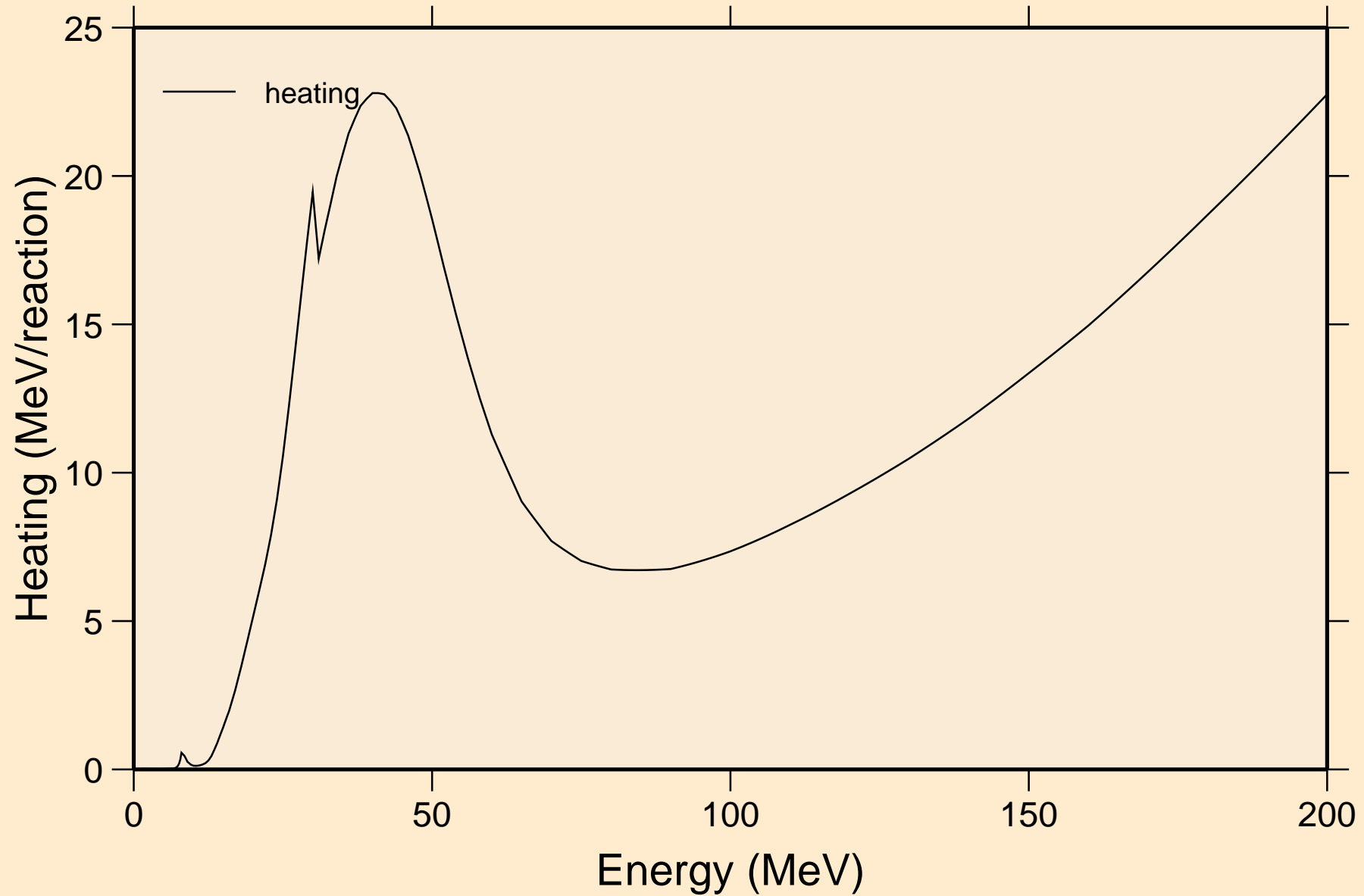


AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Principal cross sections

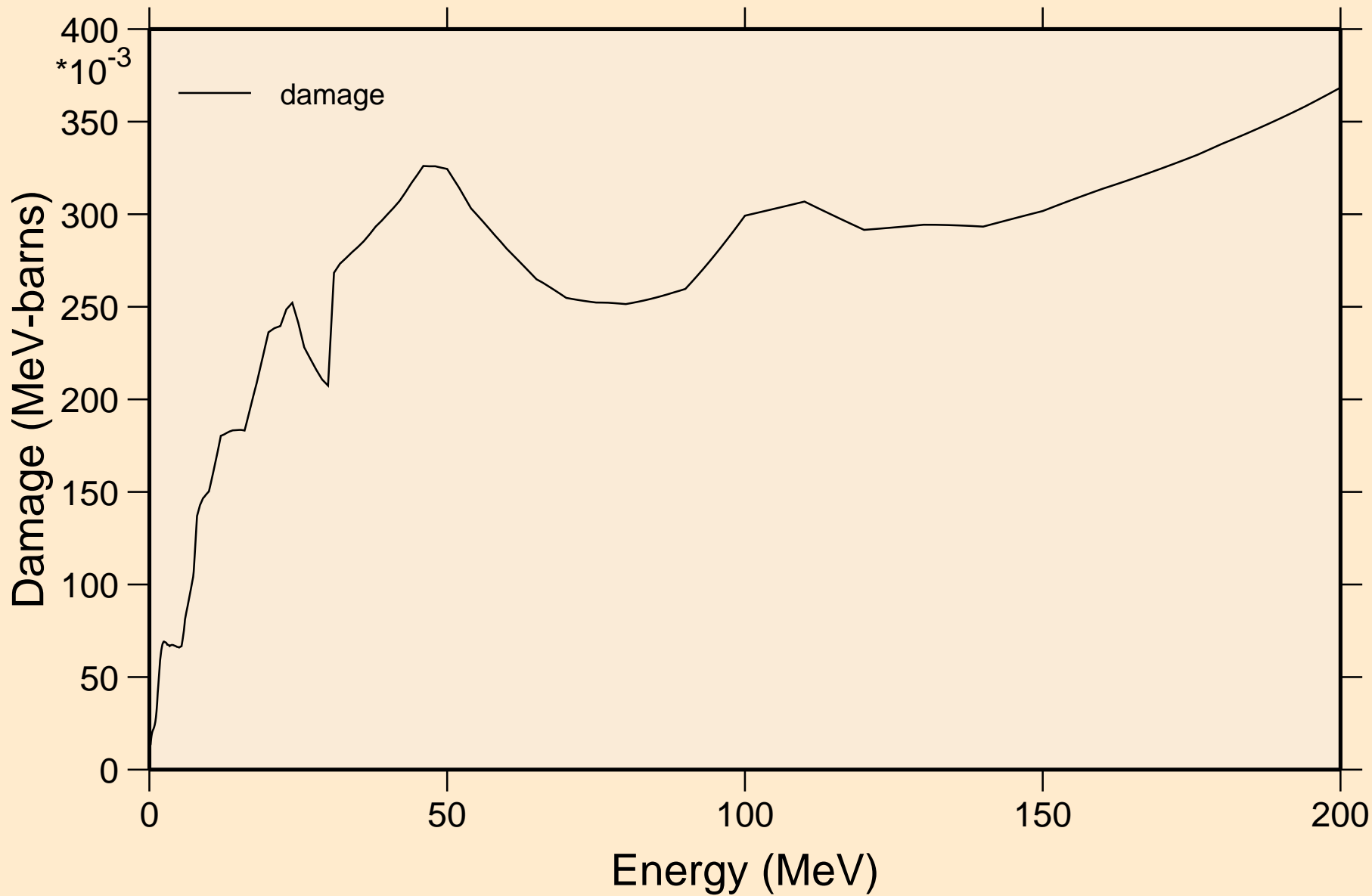


AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Heating

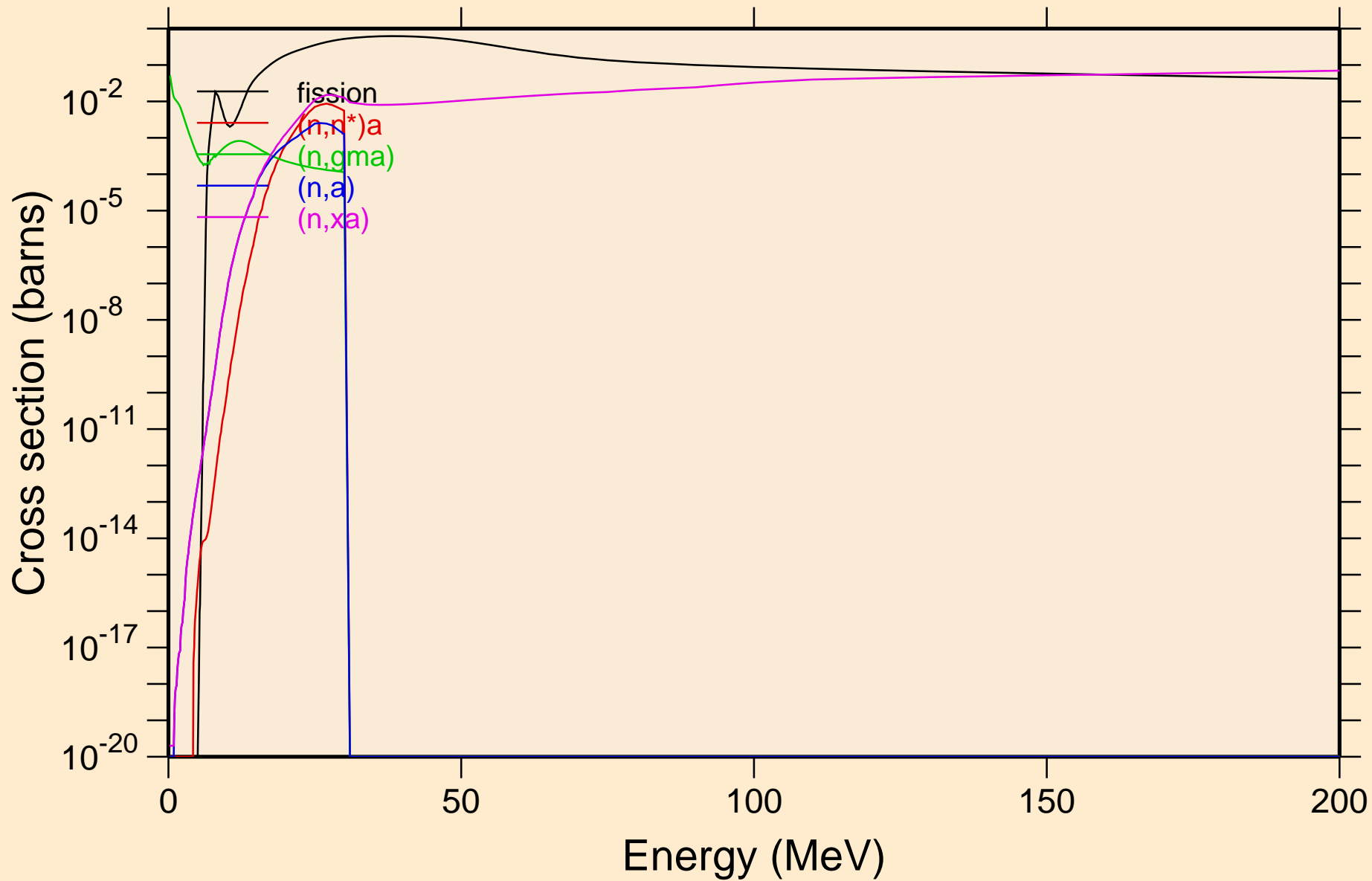


AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Damage

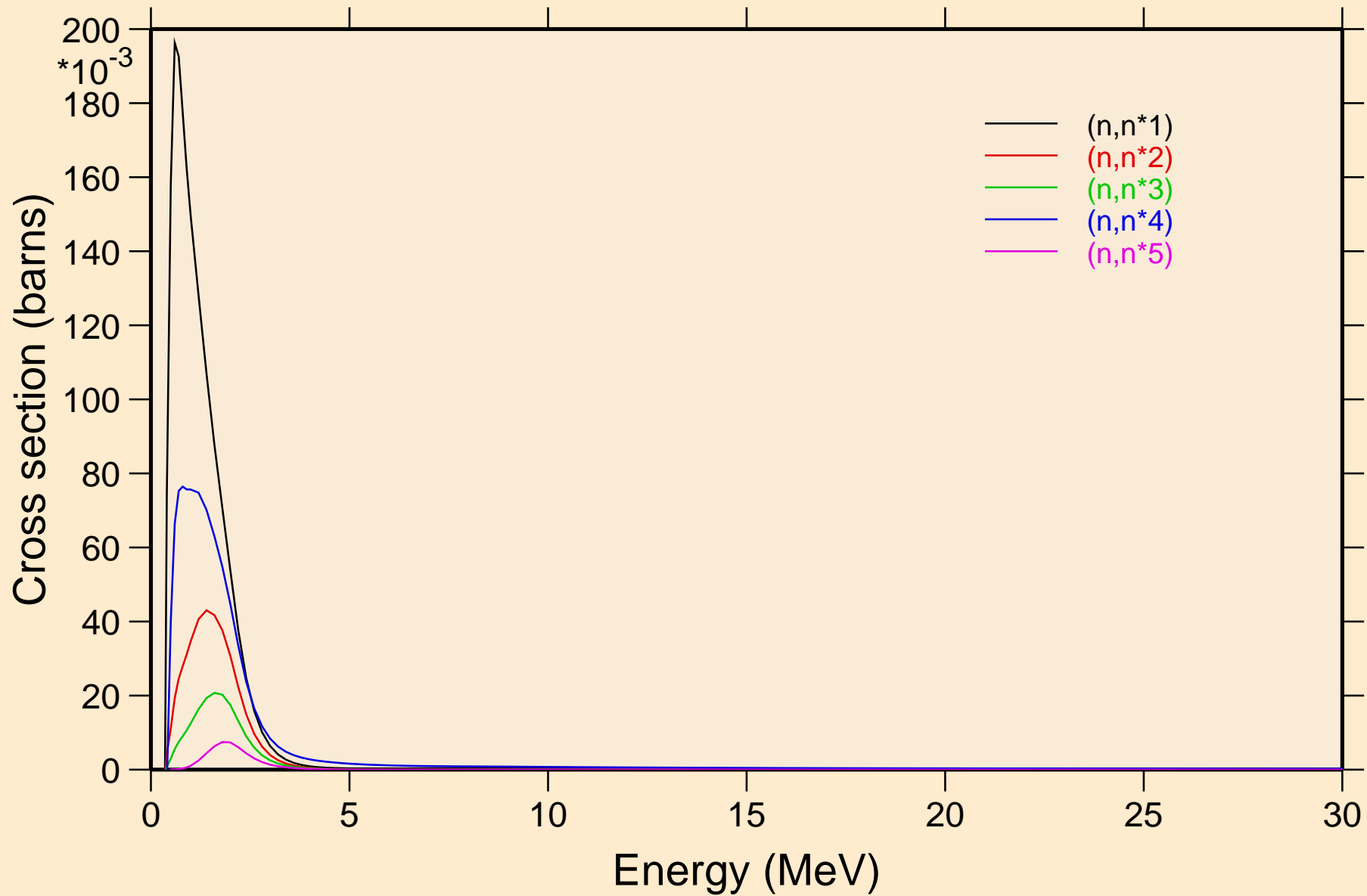


# AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Non-threshold reactions

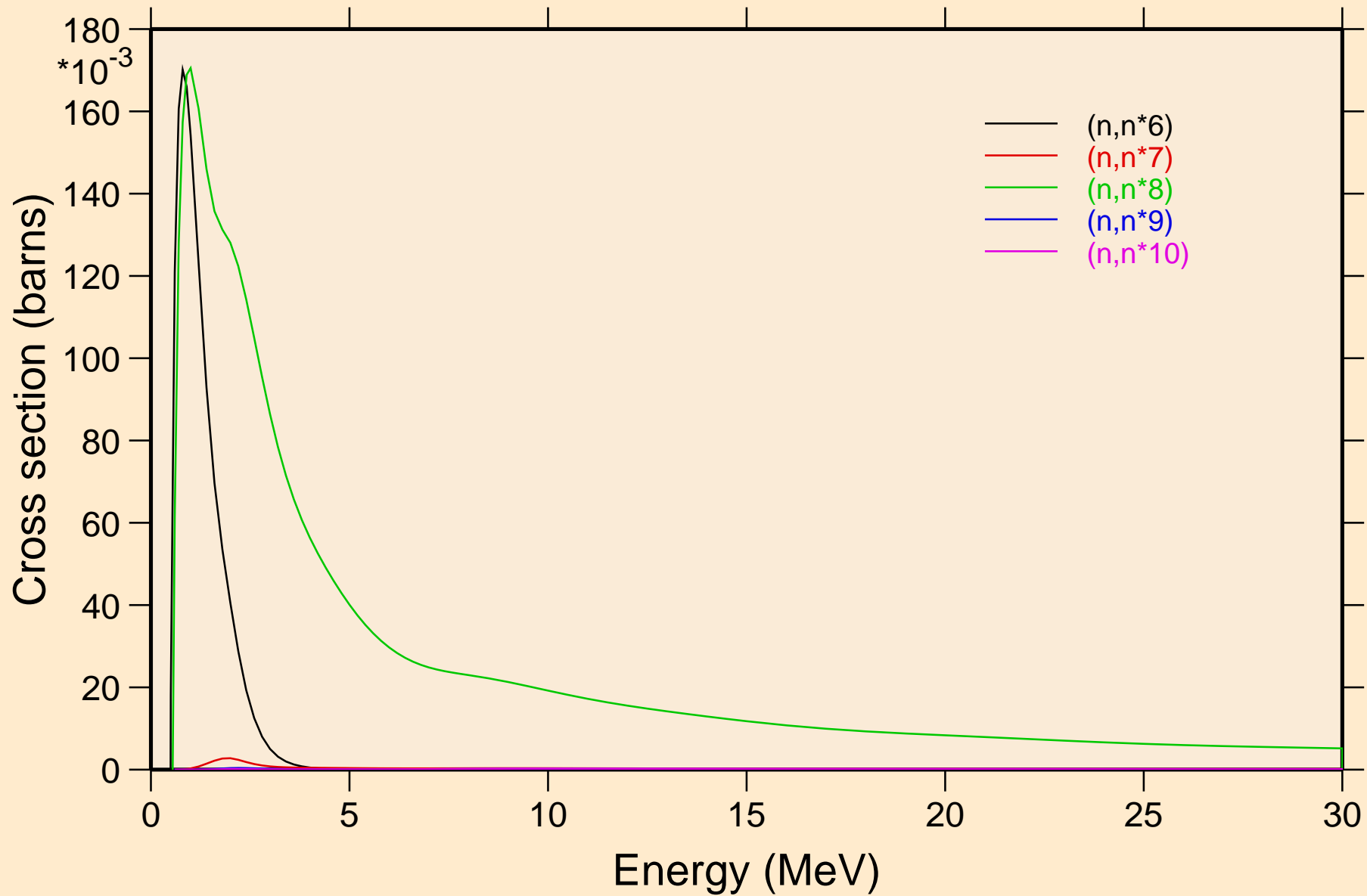


AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

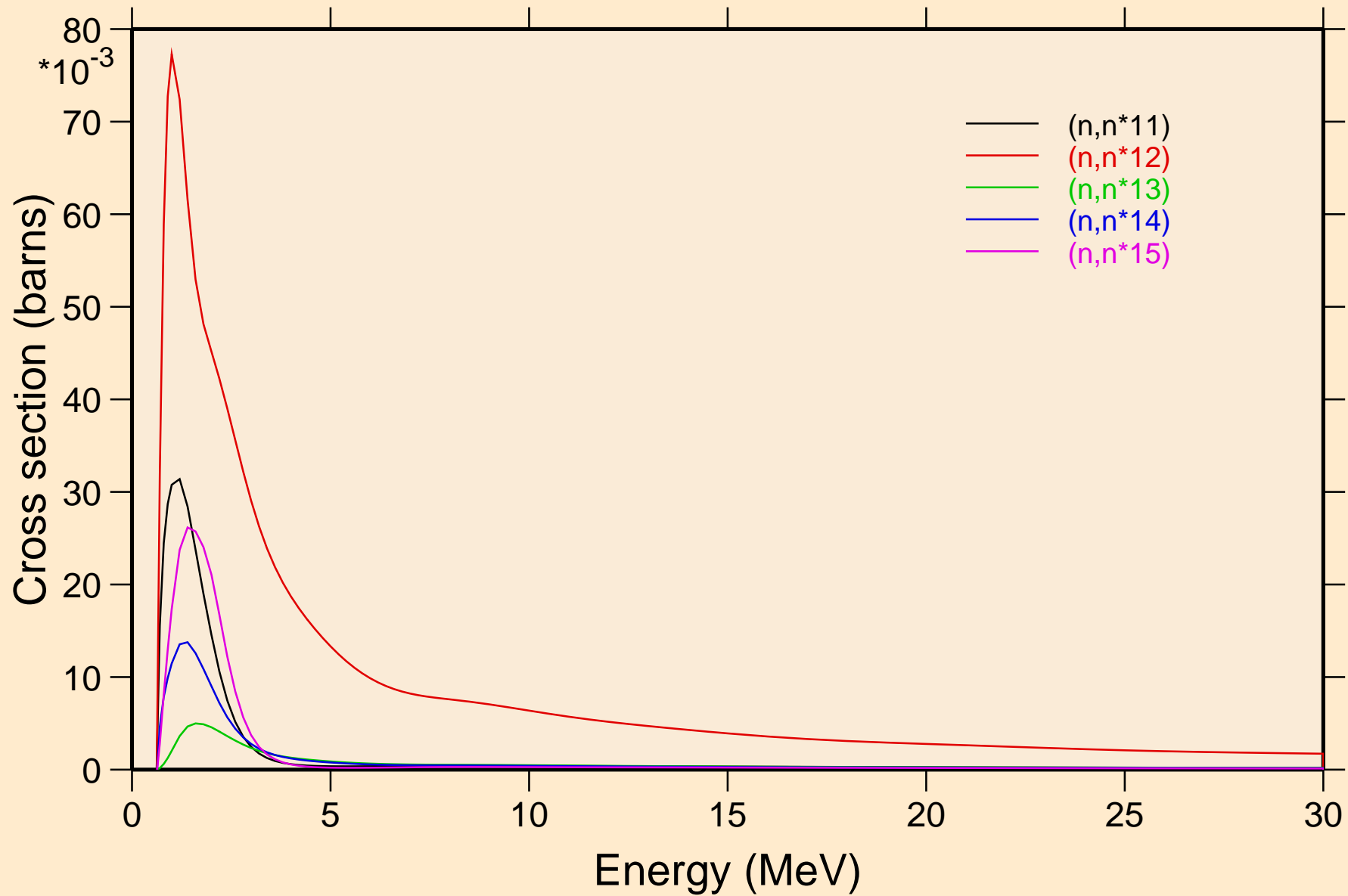


# AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

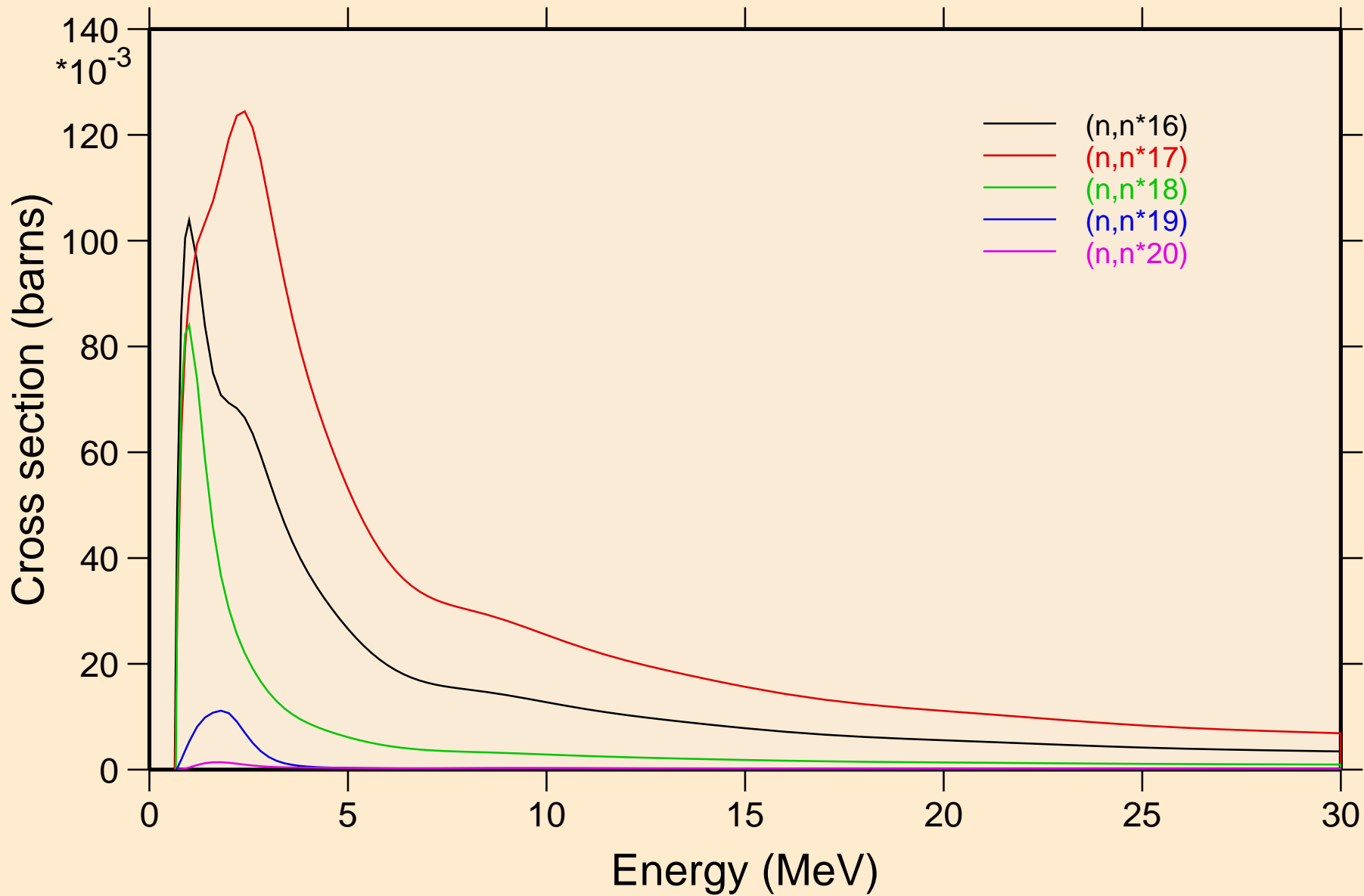
## Inelastic levels



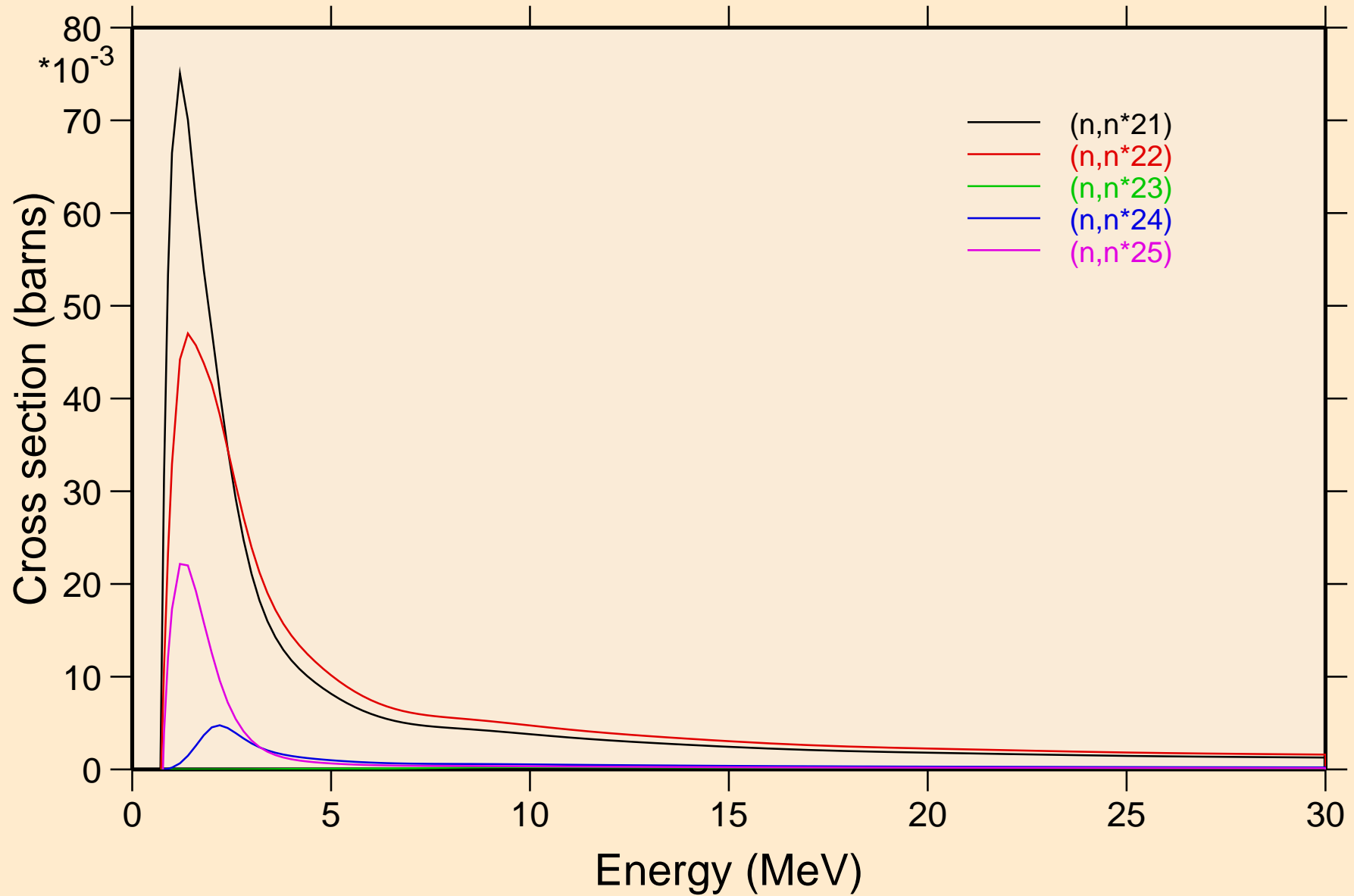
AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



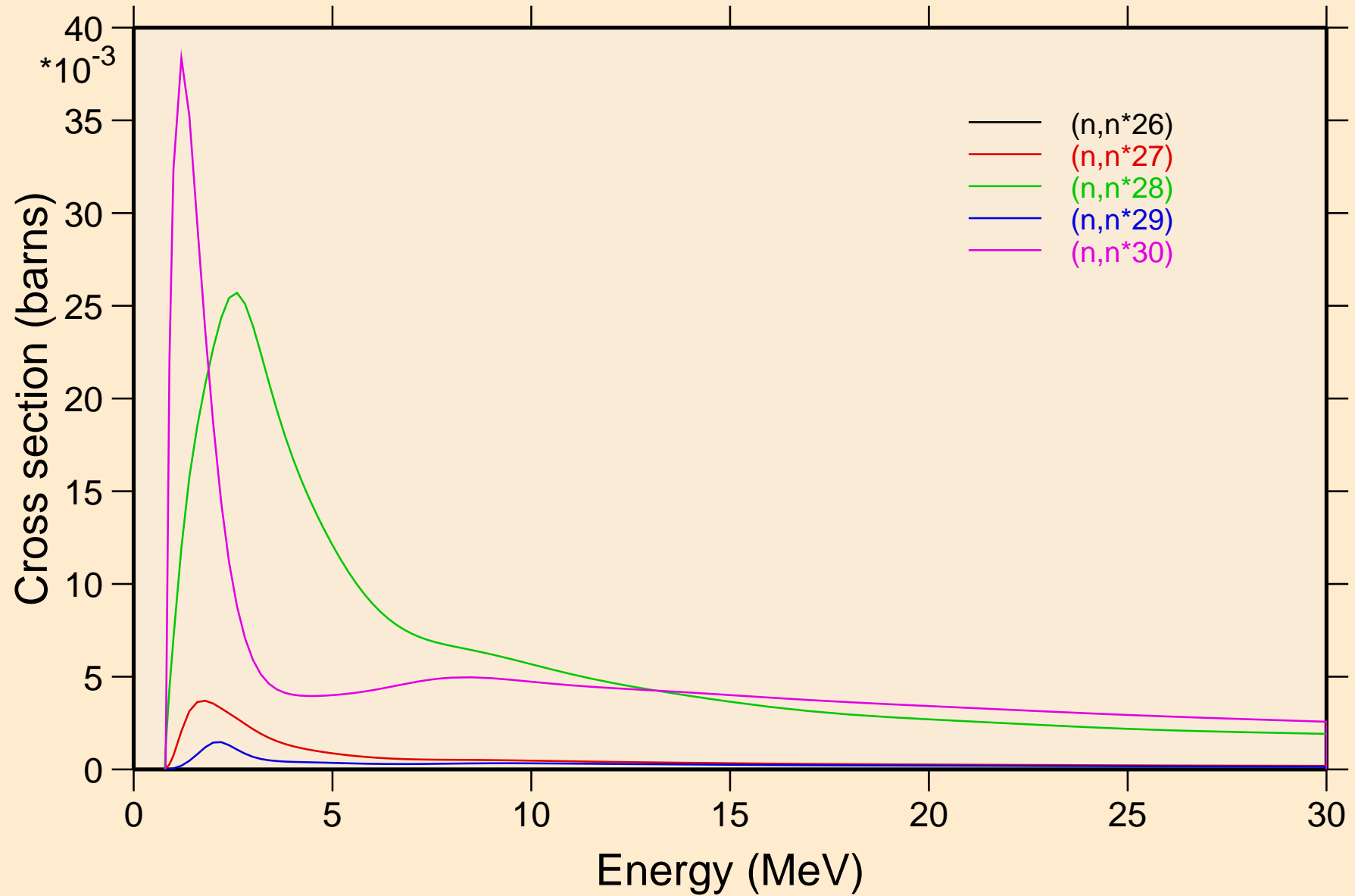
AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



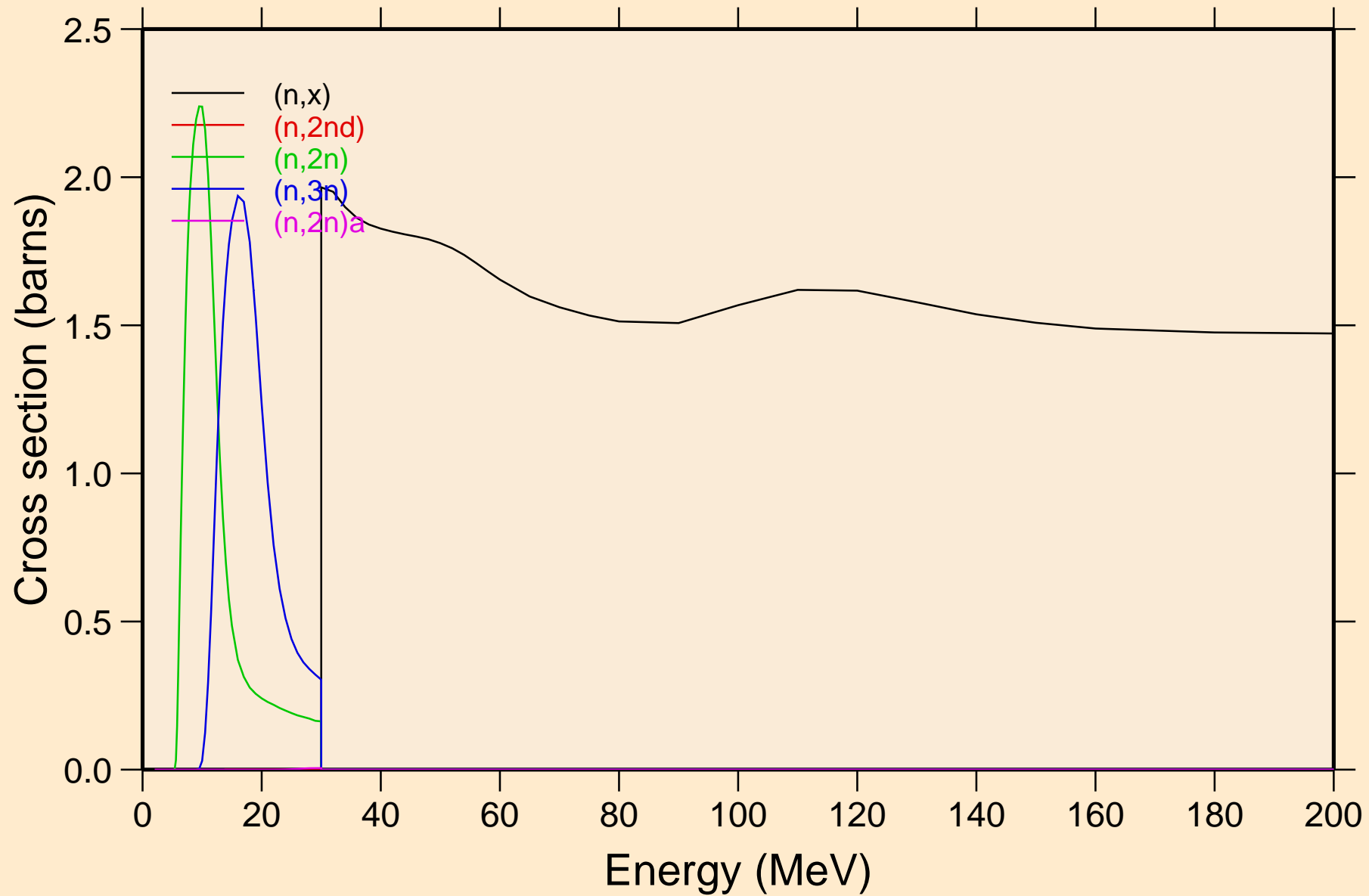
AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



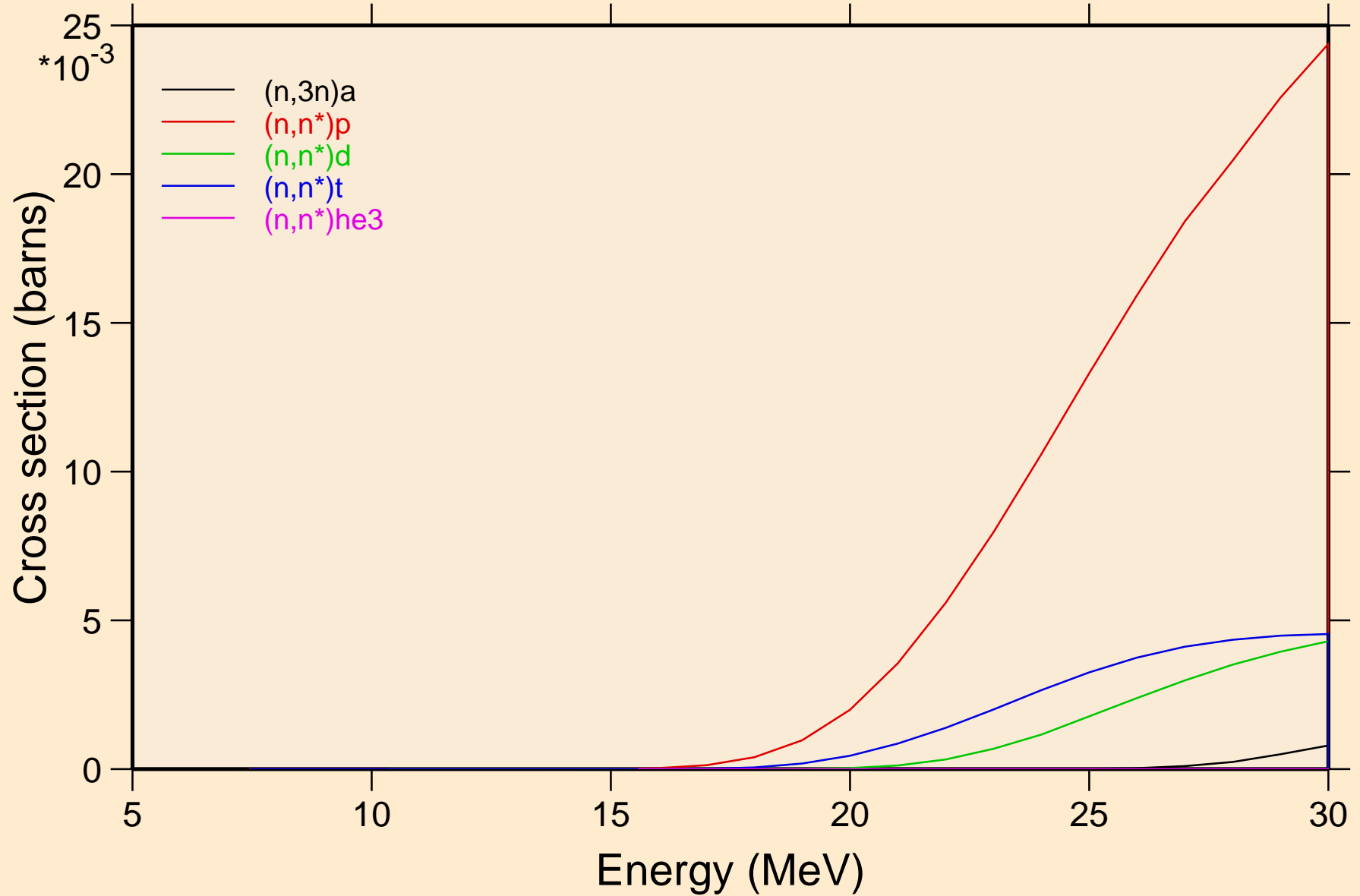
AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



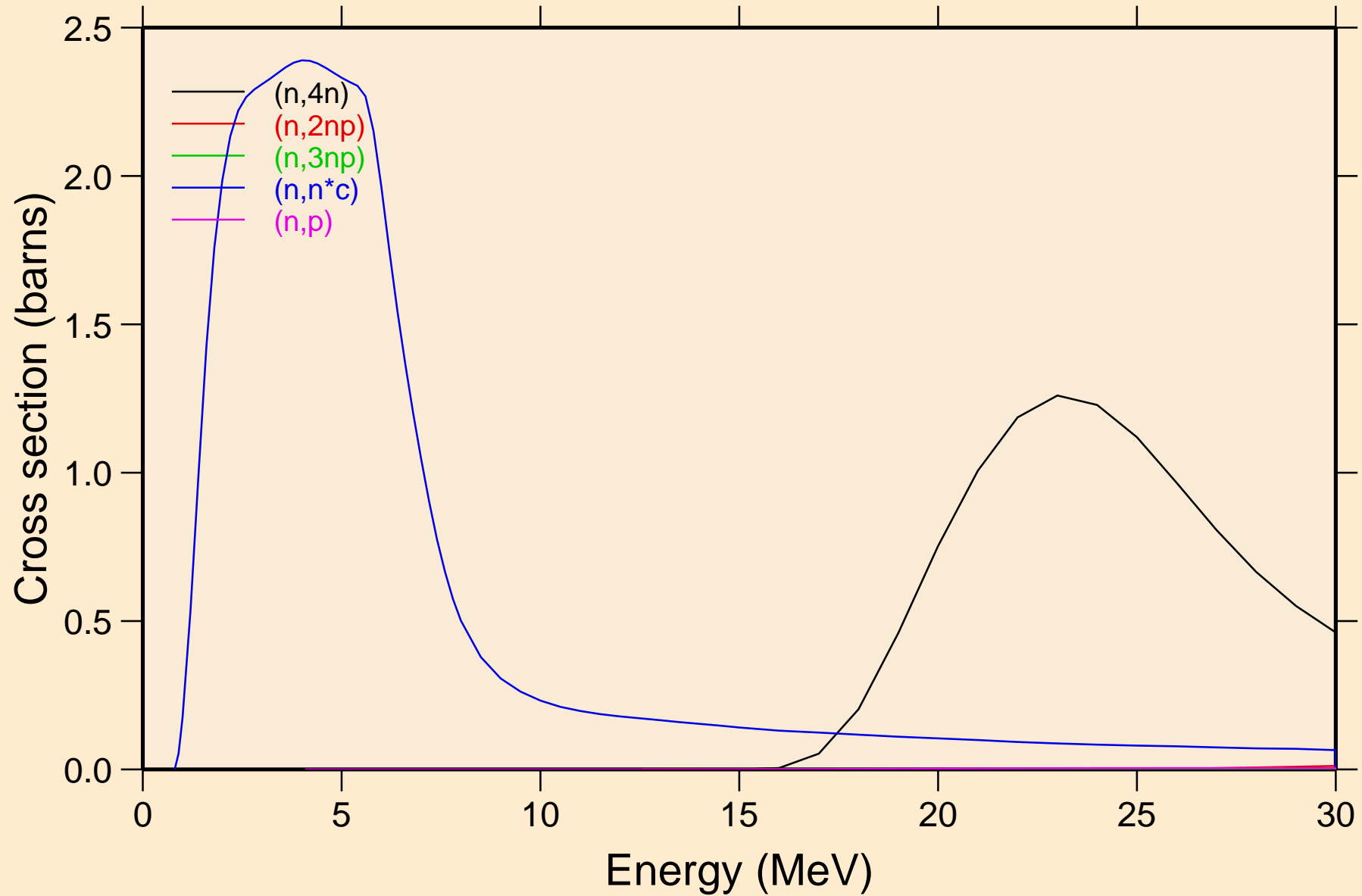
AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



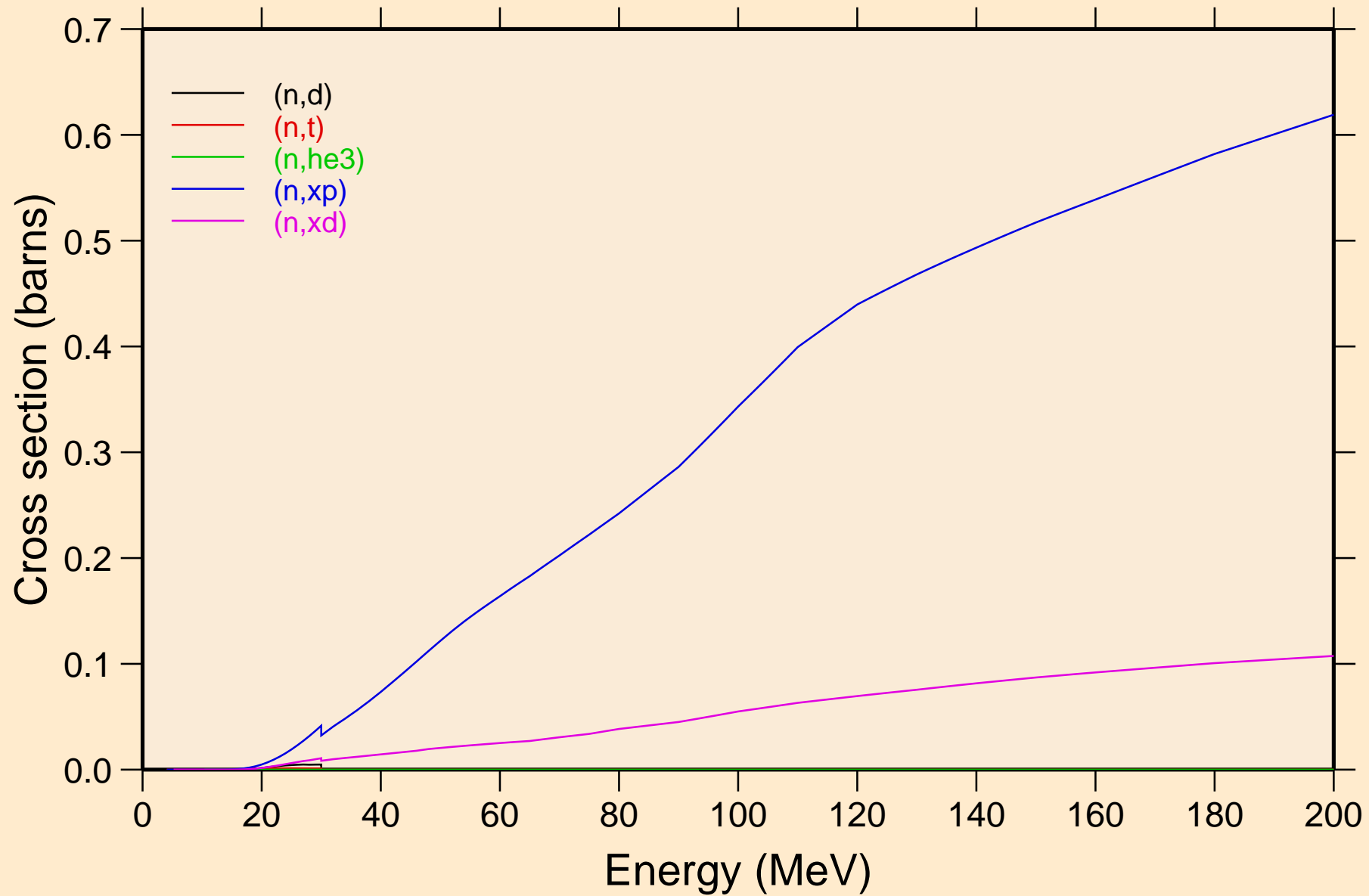
AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



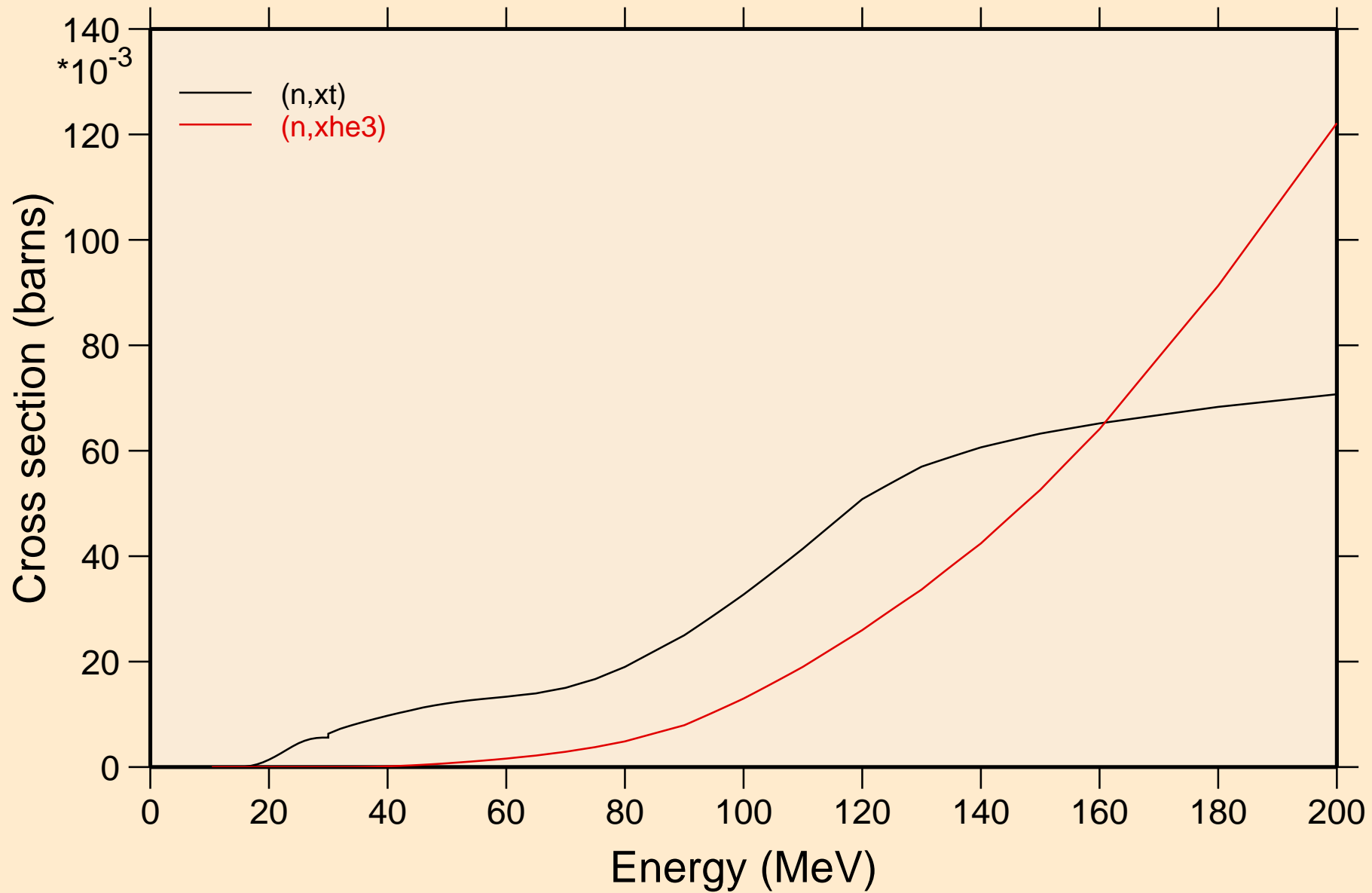
AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



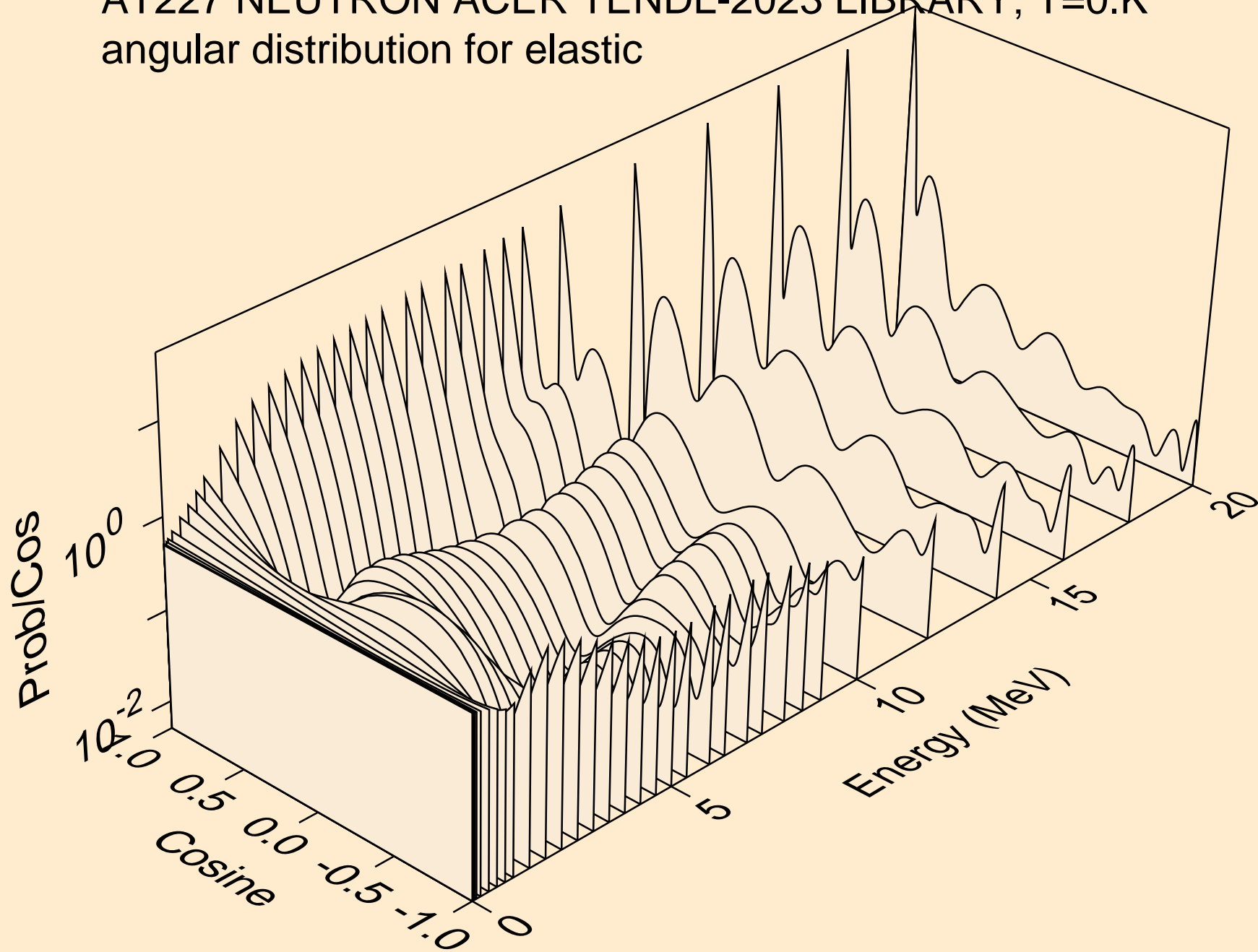
AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



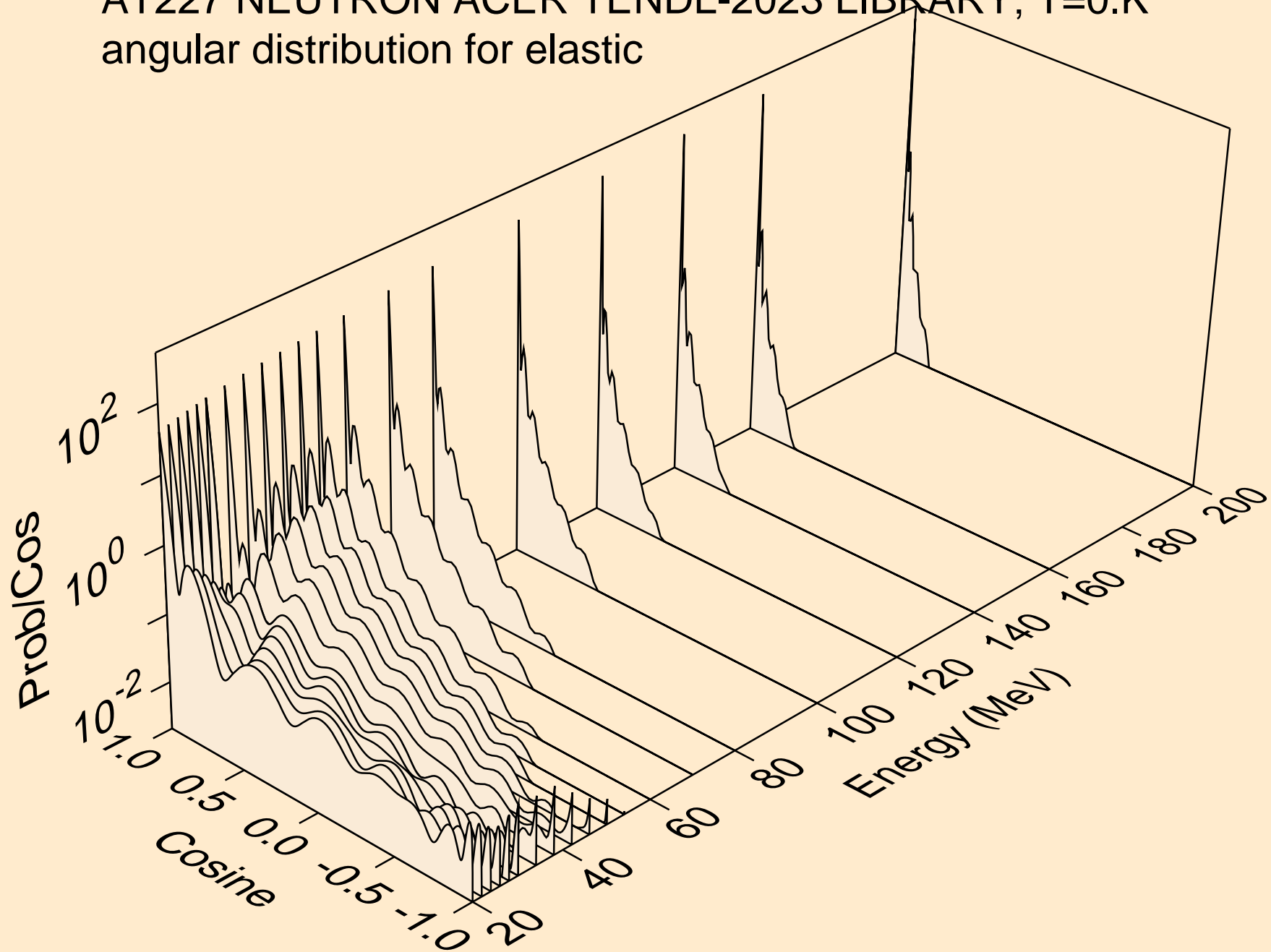
AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



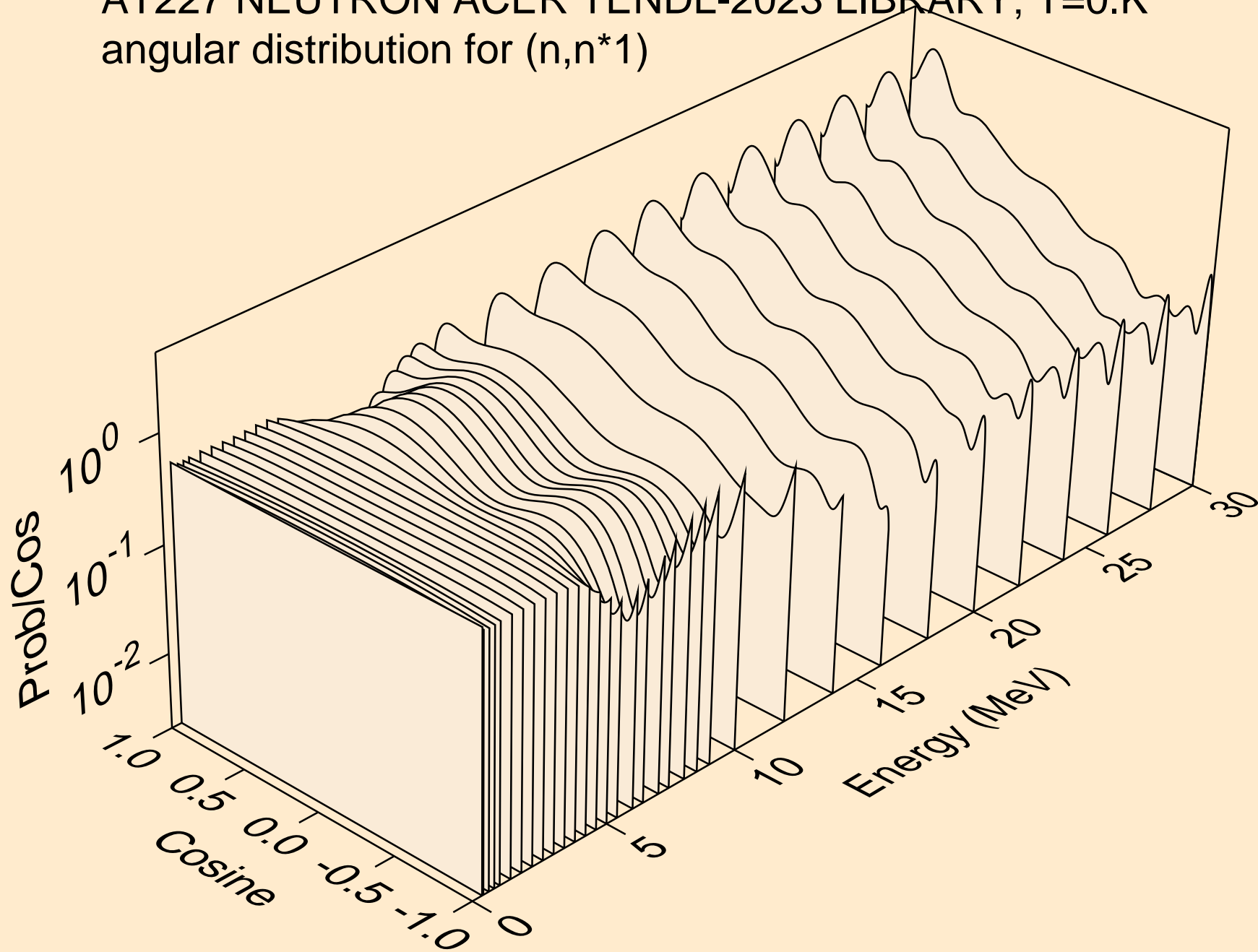
AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



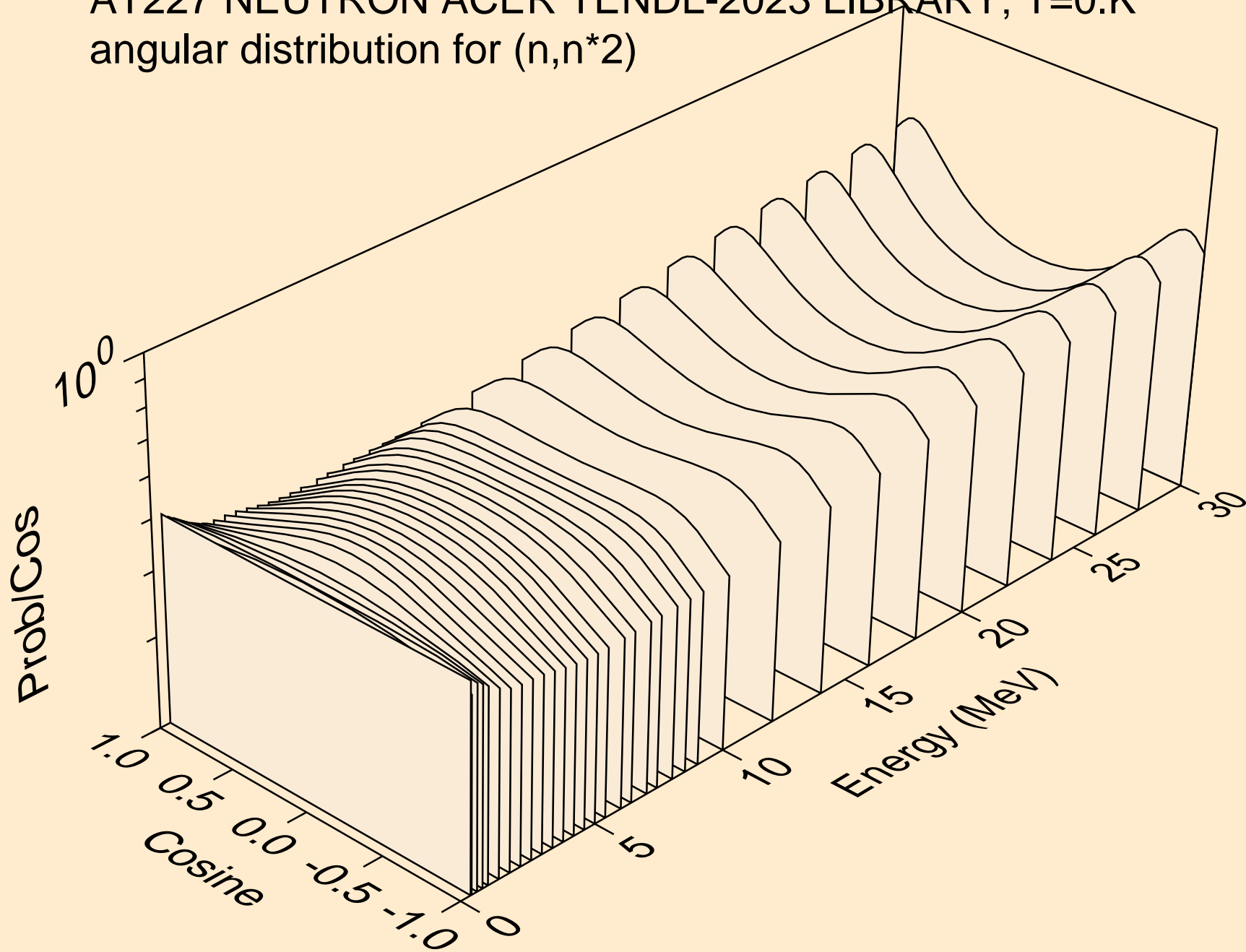
AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



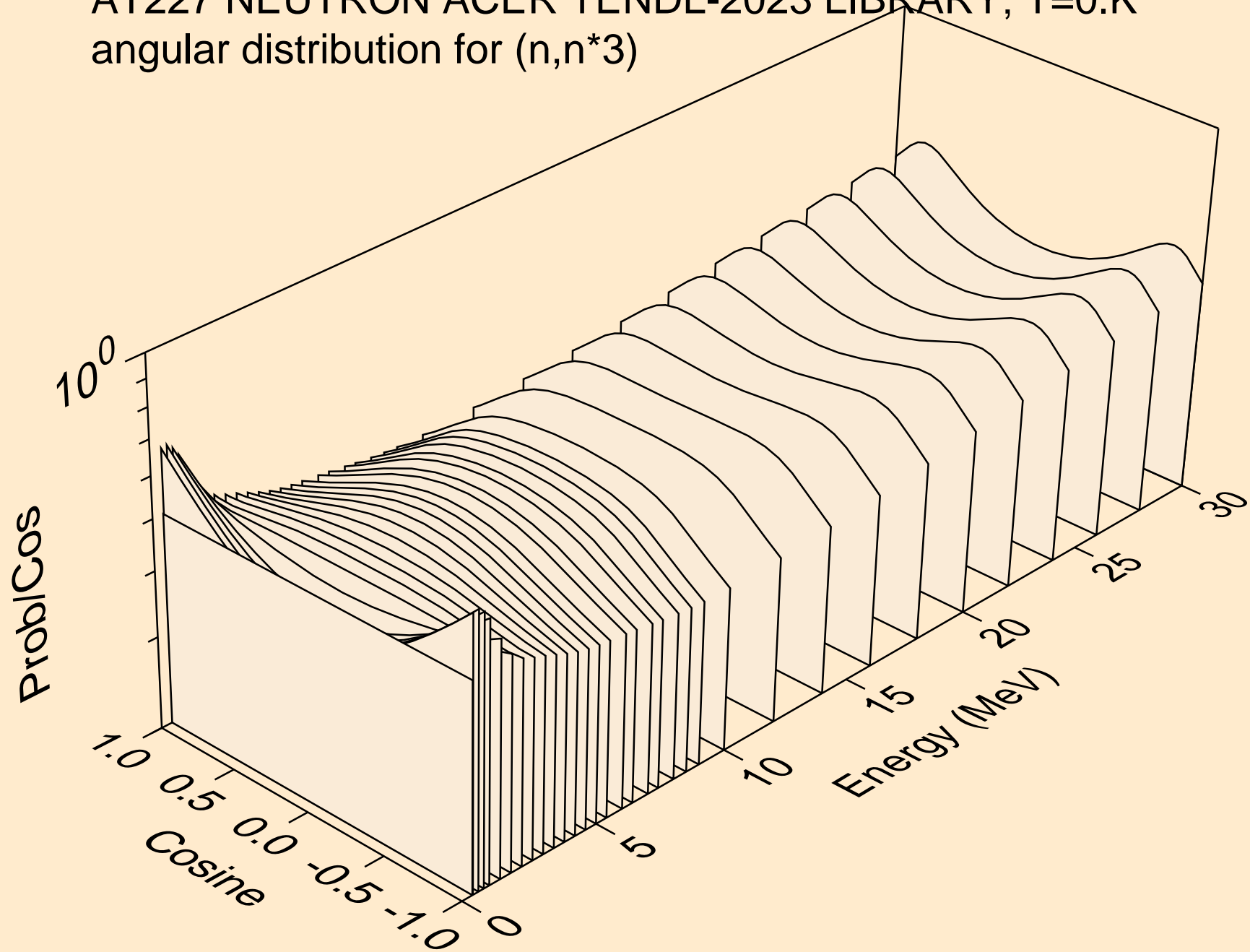
AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



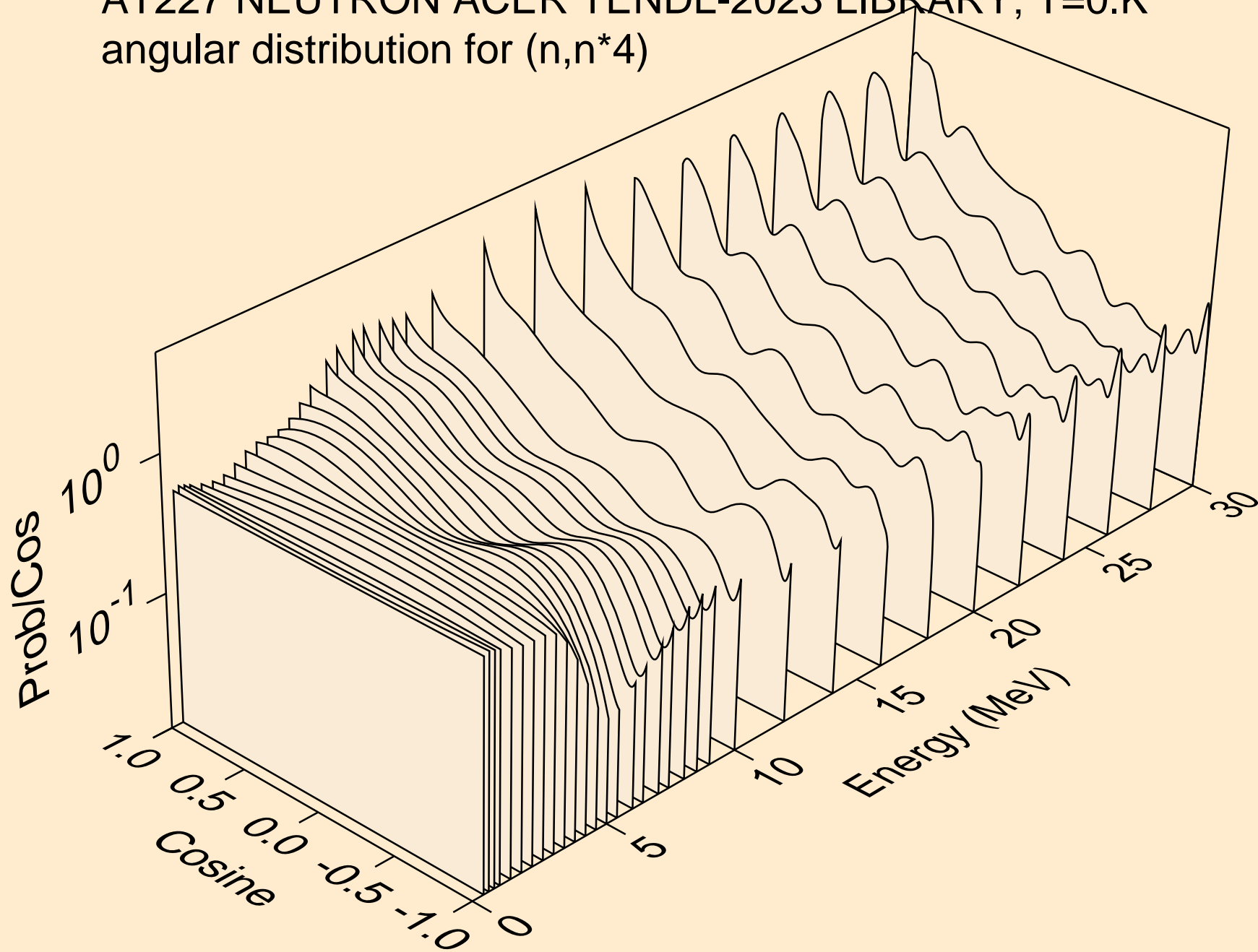
AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*2)



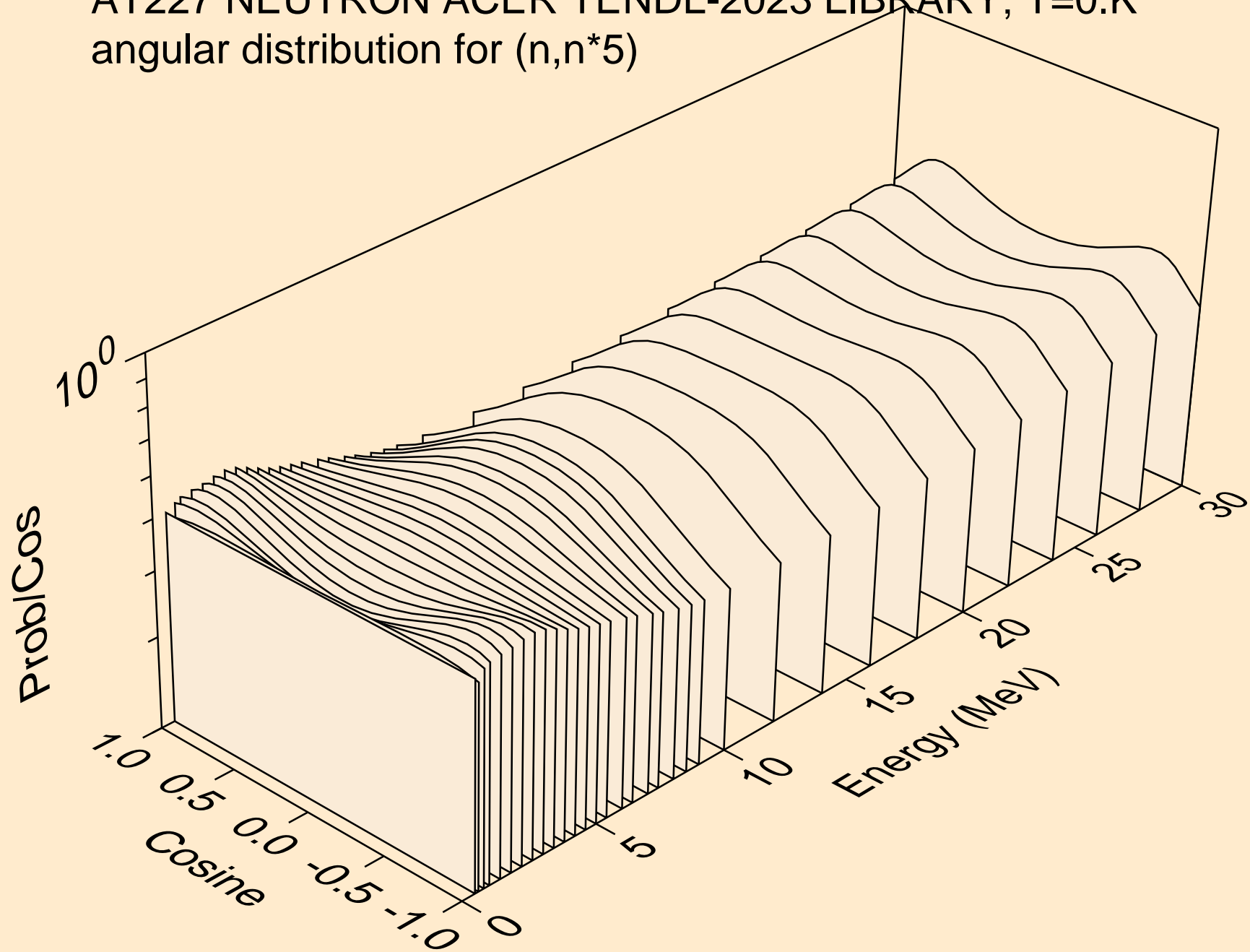
AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*3)



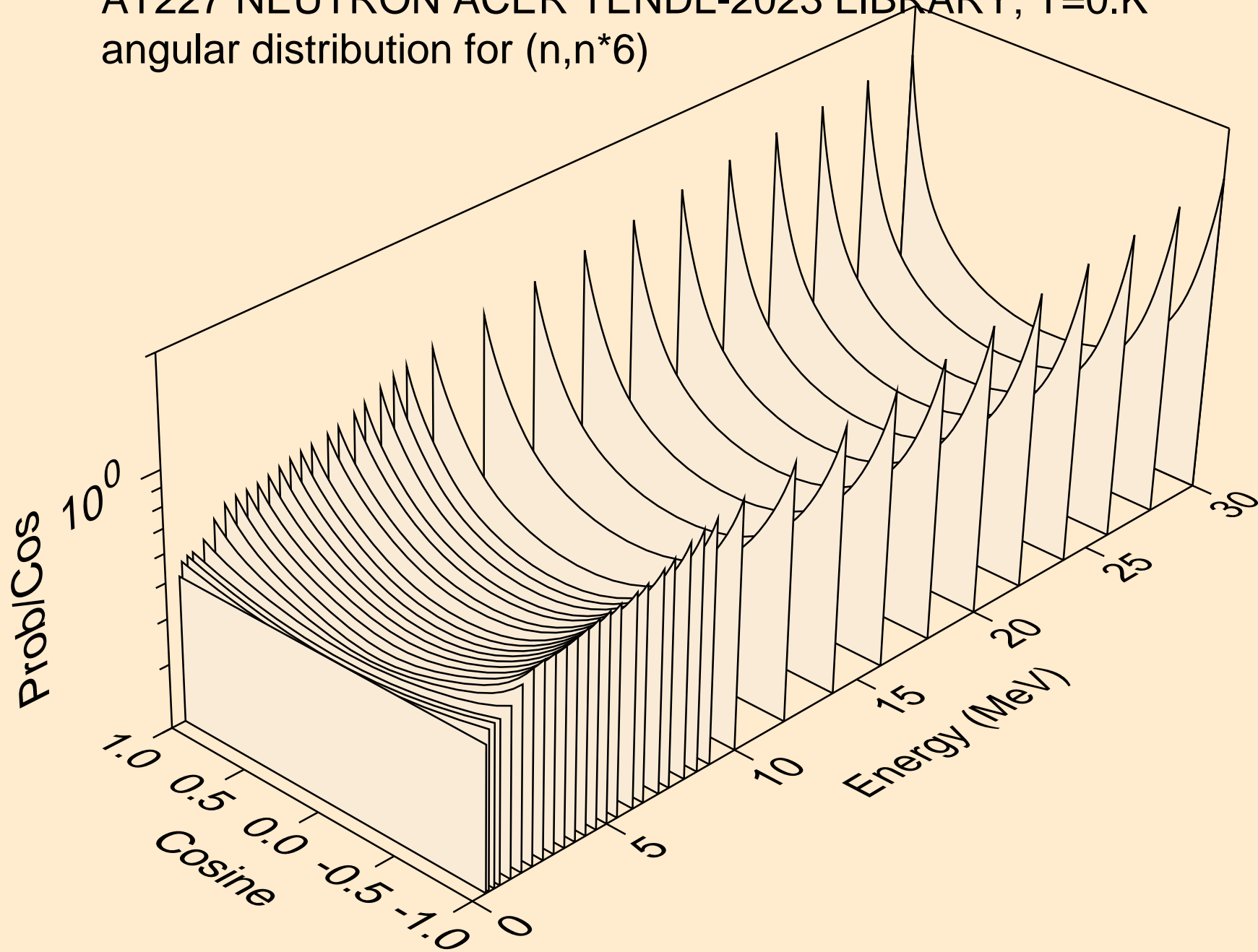
AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*4)



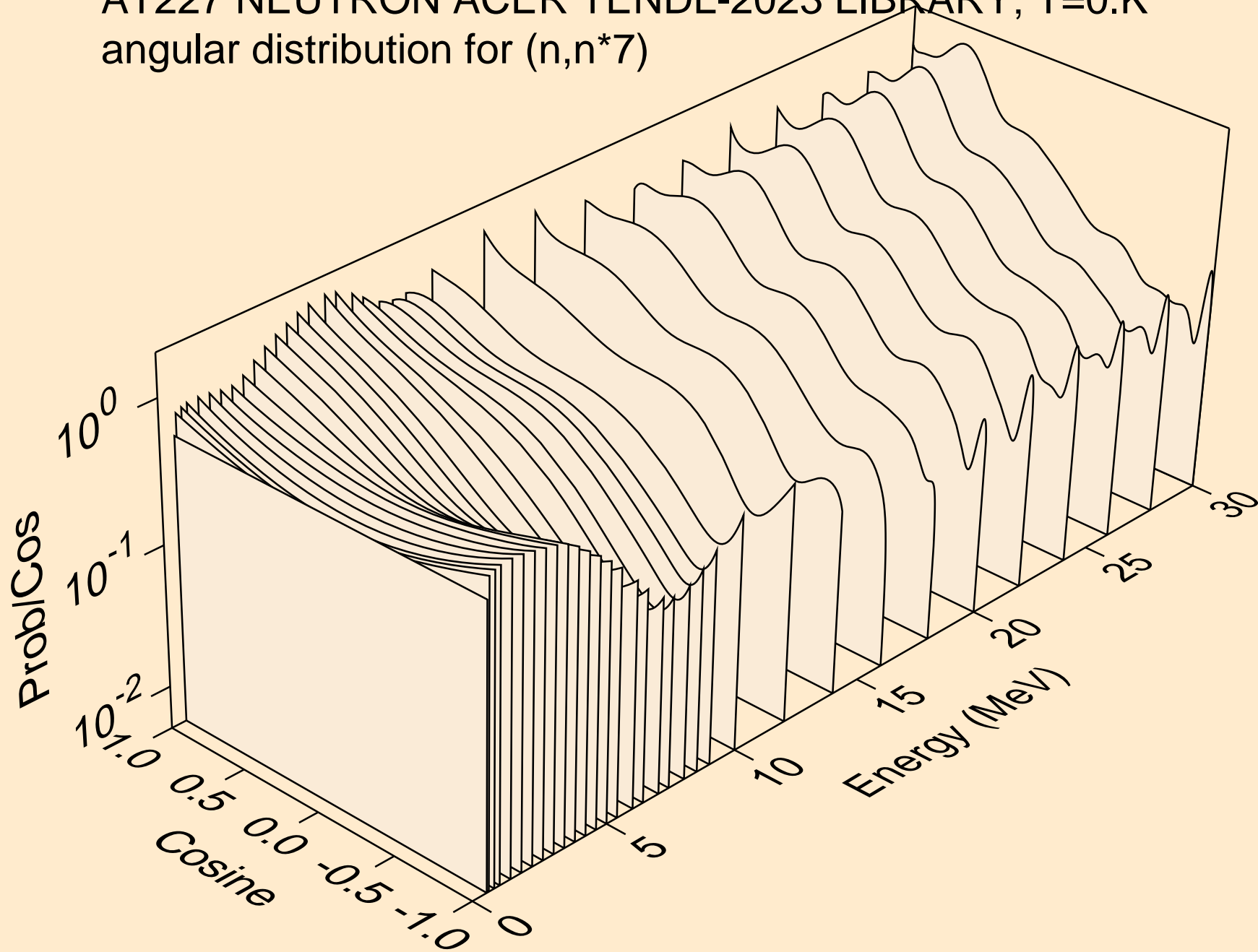
AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*5)



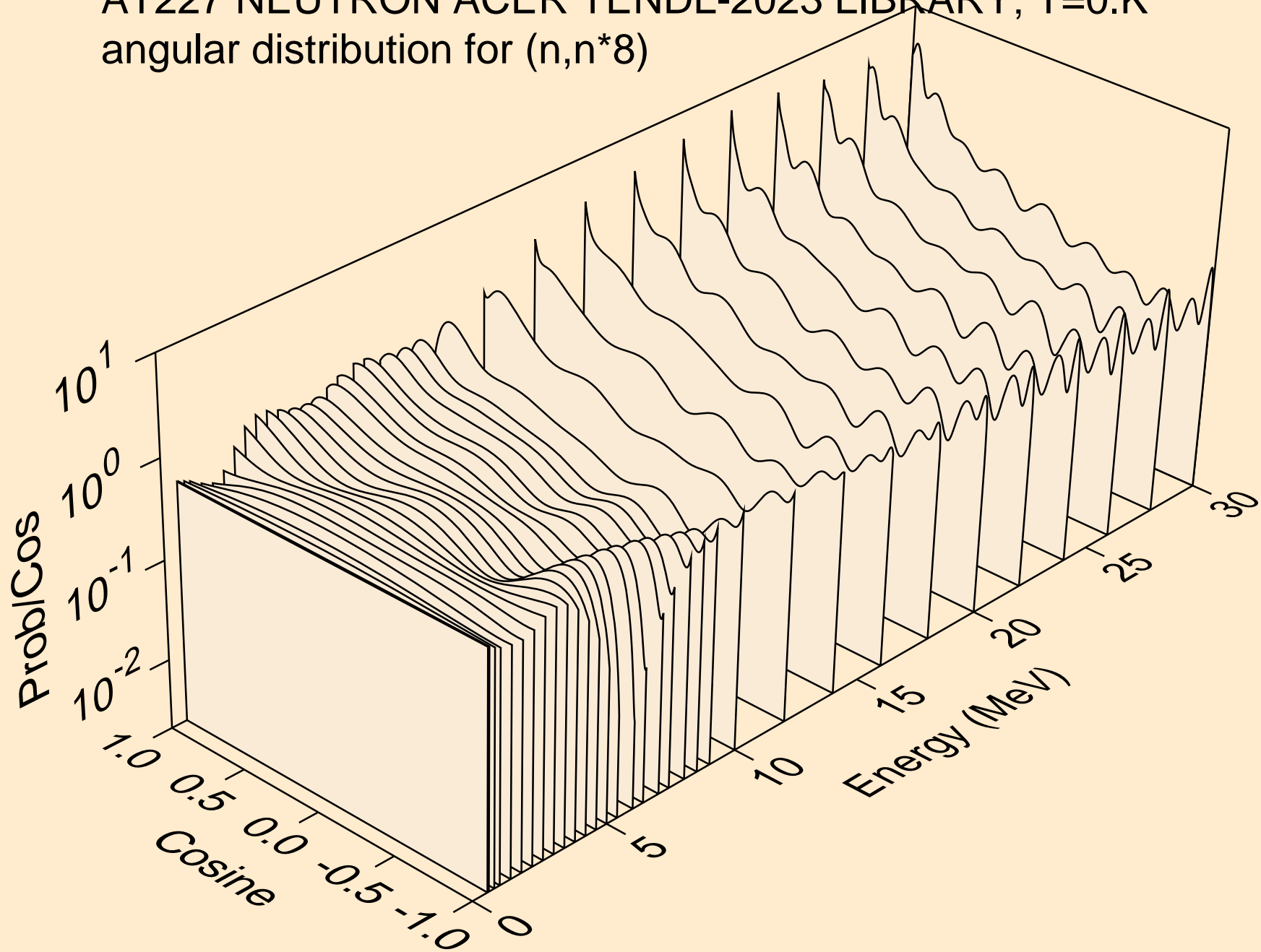
AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*6)



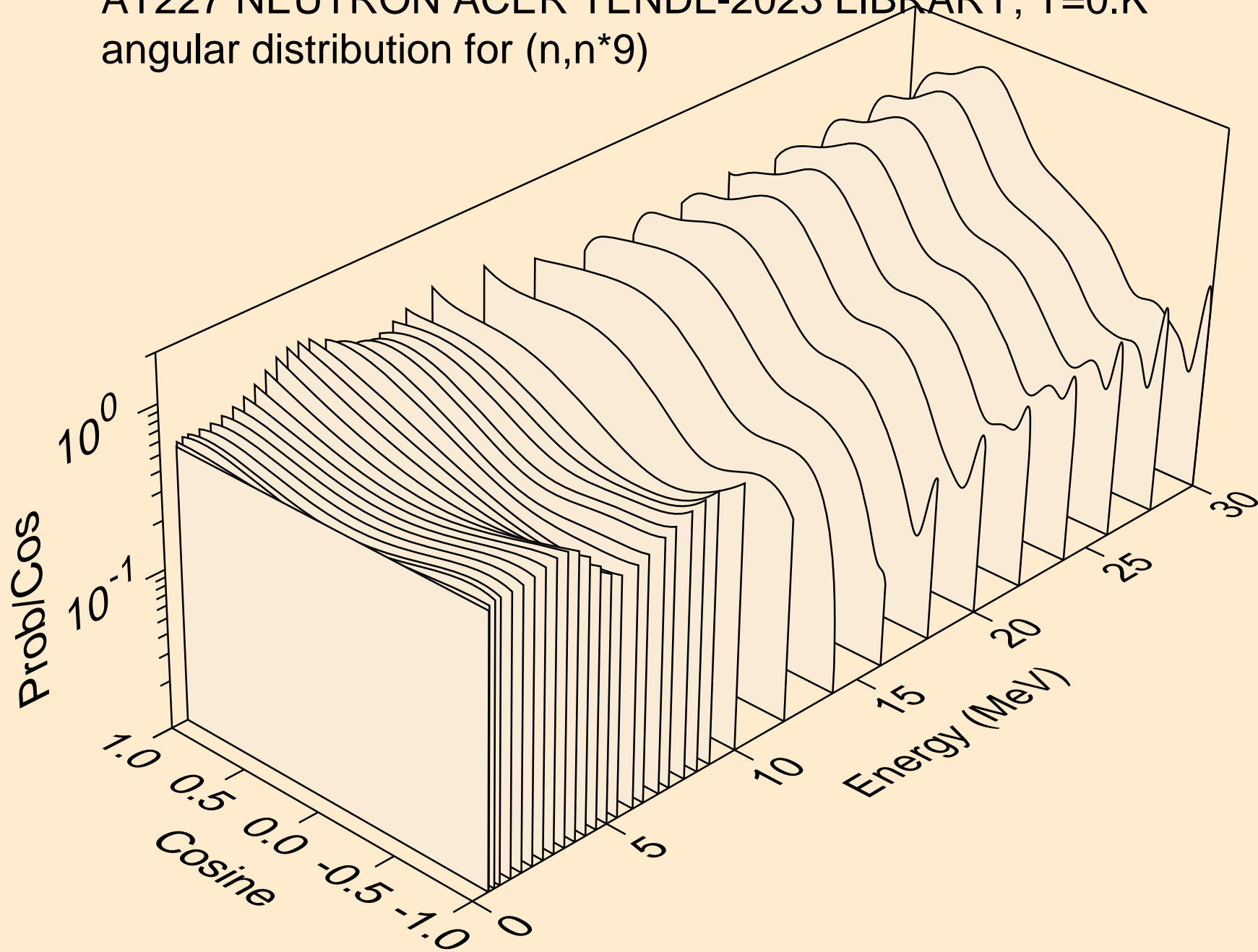
AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*7)



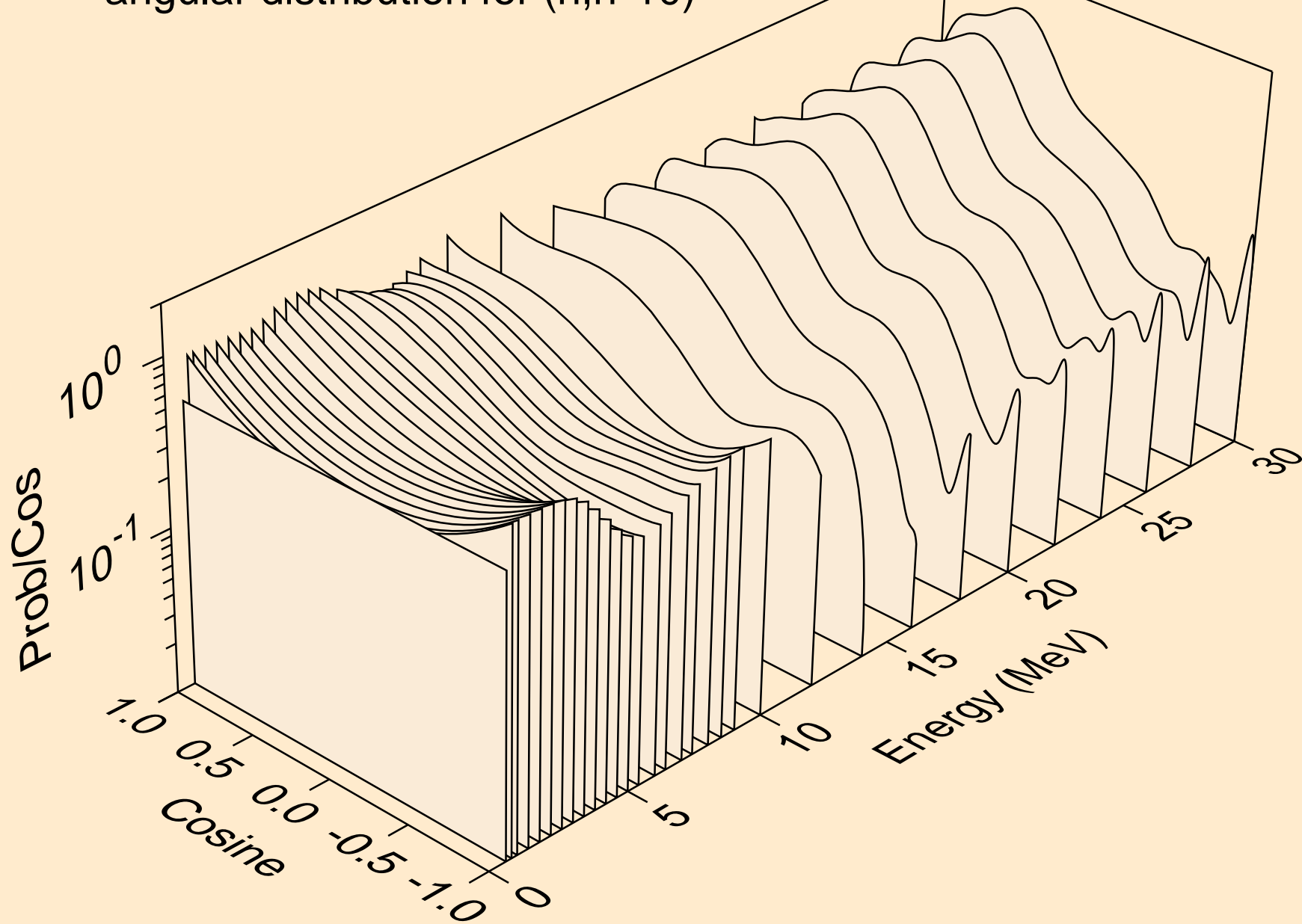
AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*8)



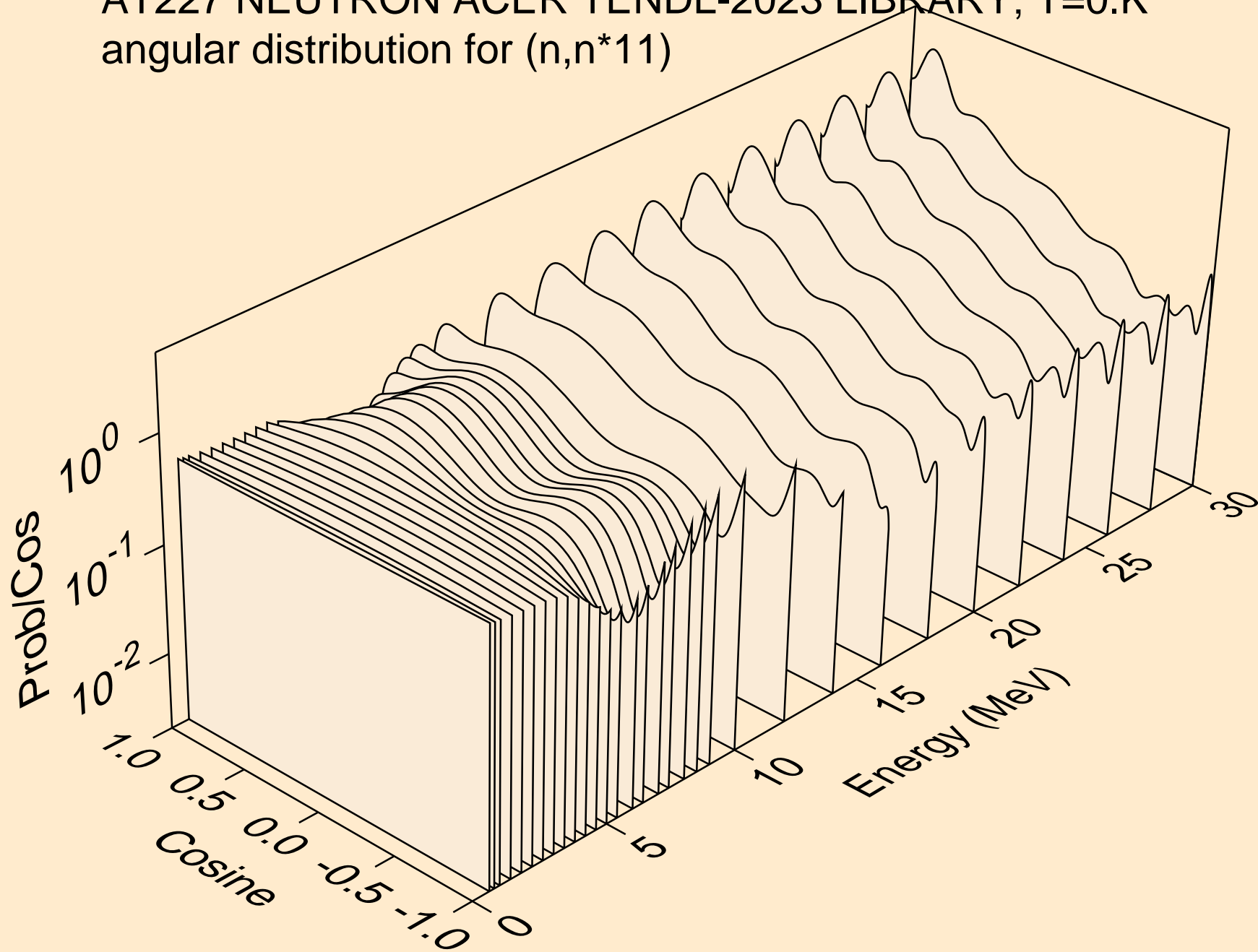
AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*9)



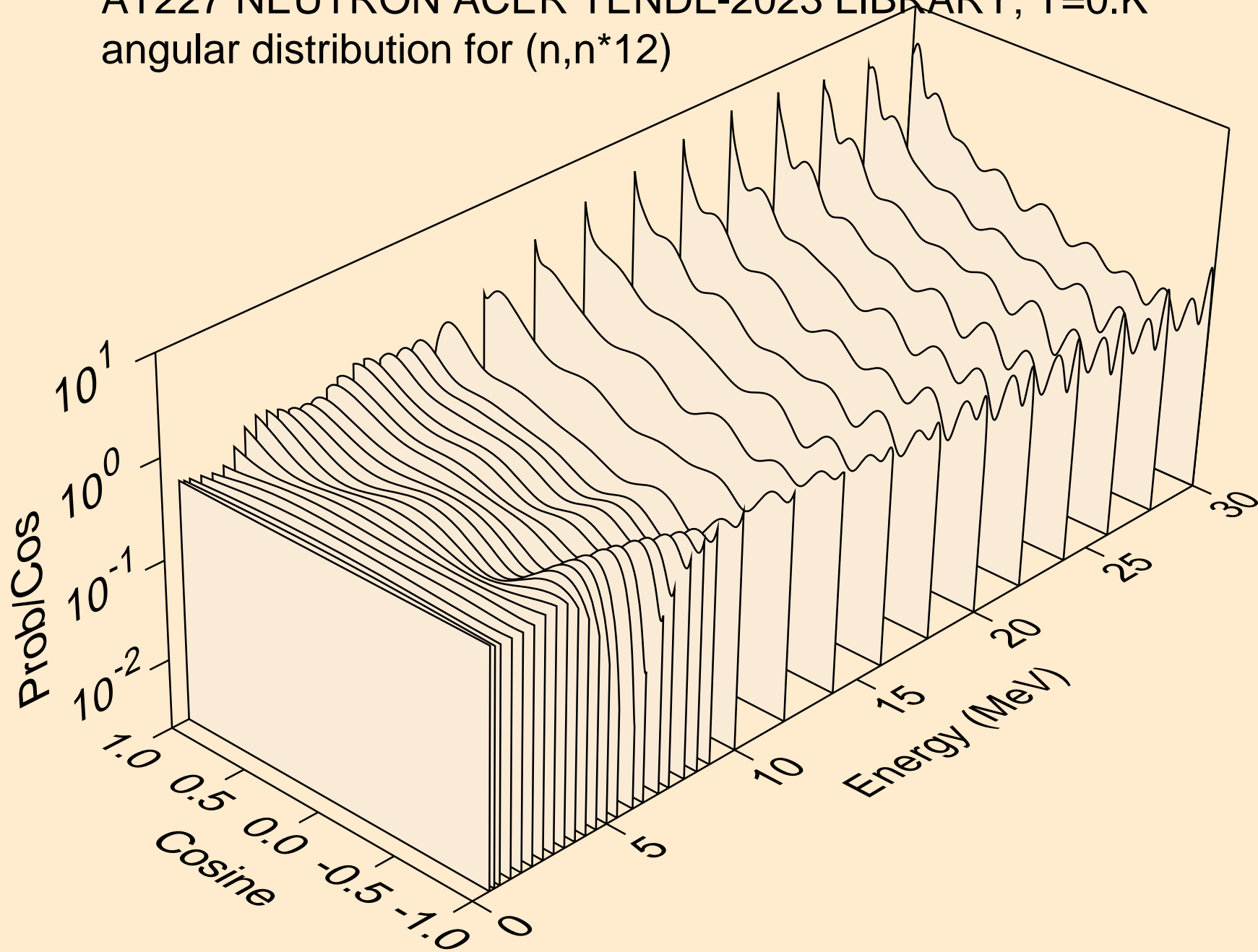
AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*10)



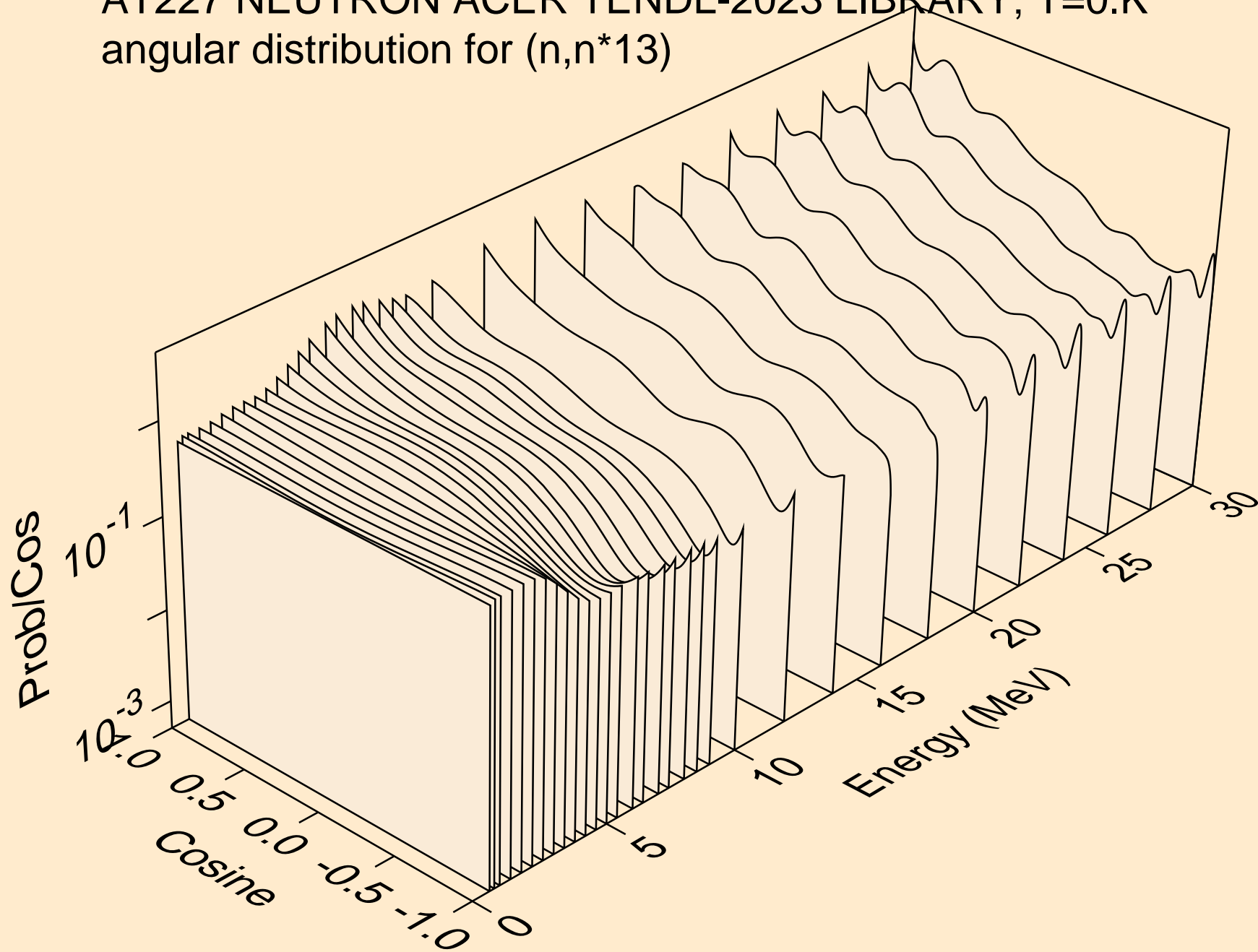
AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*11)



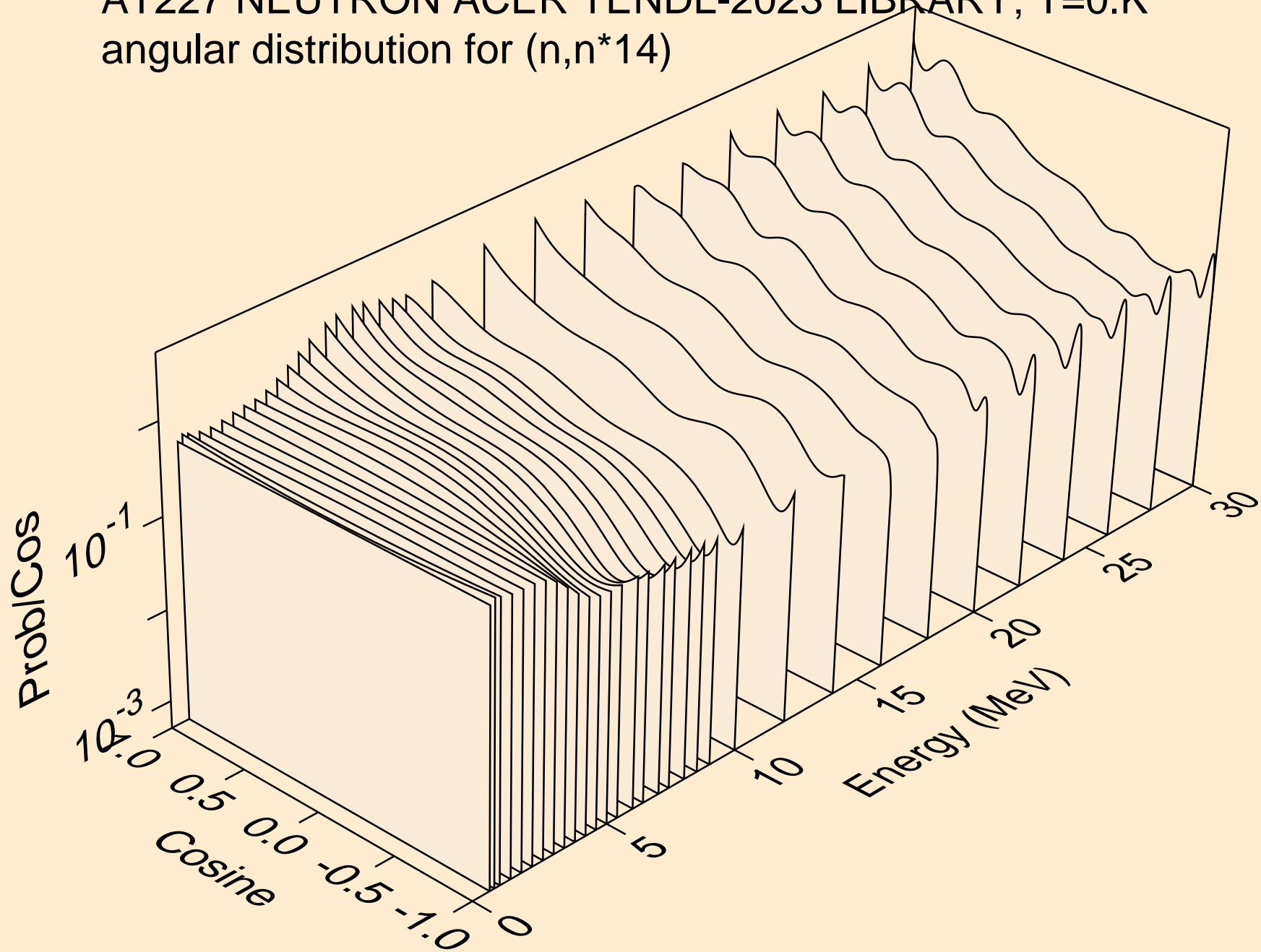
AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*12)



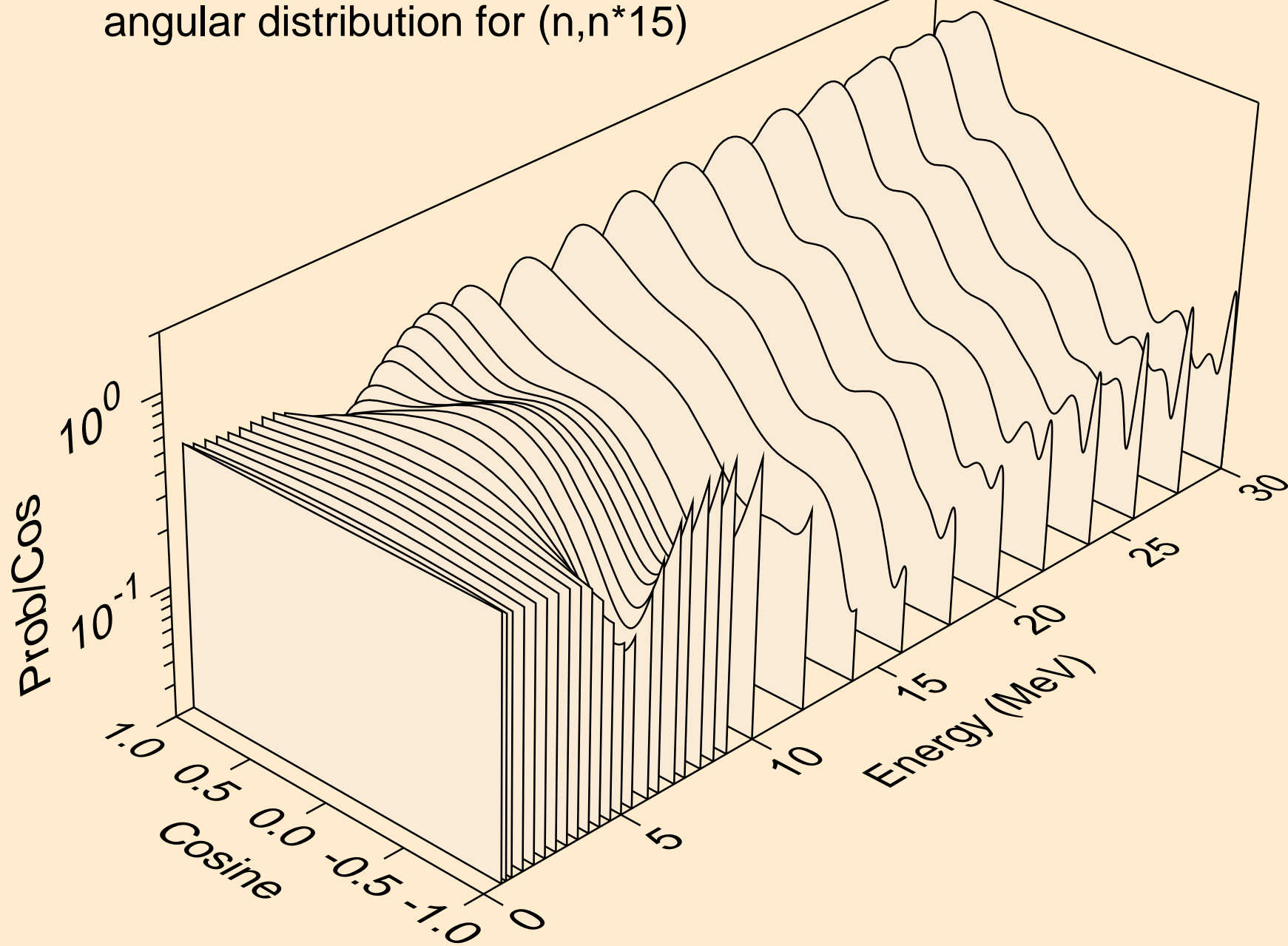
AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*13)



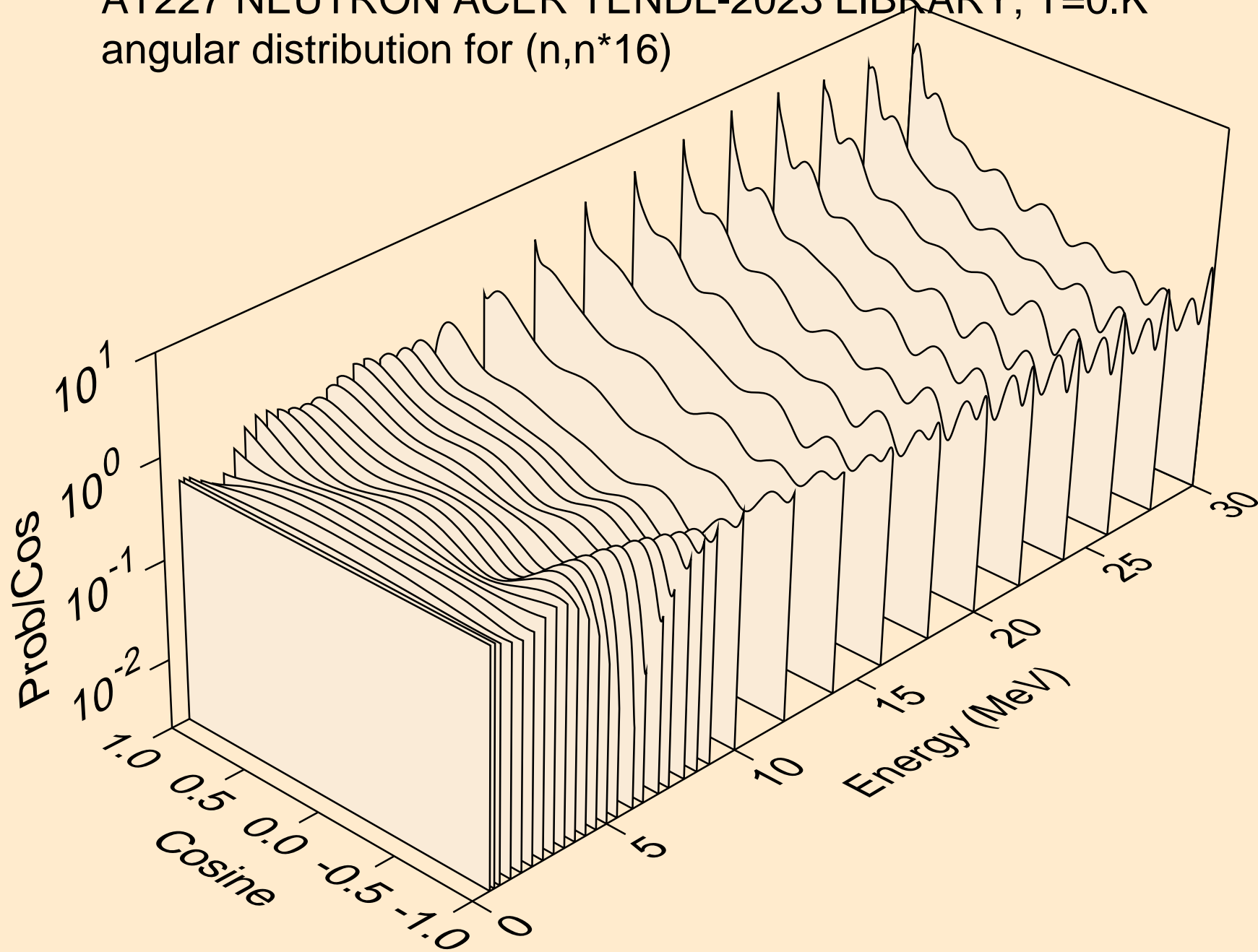
AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*14)



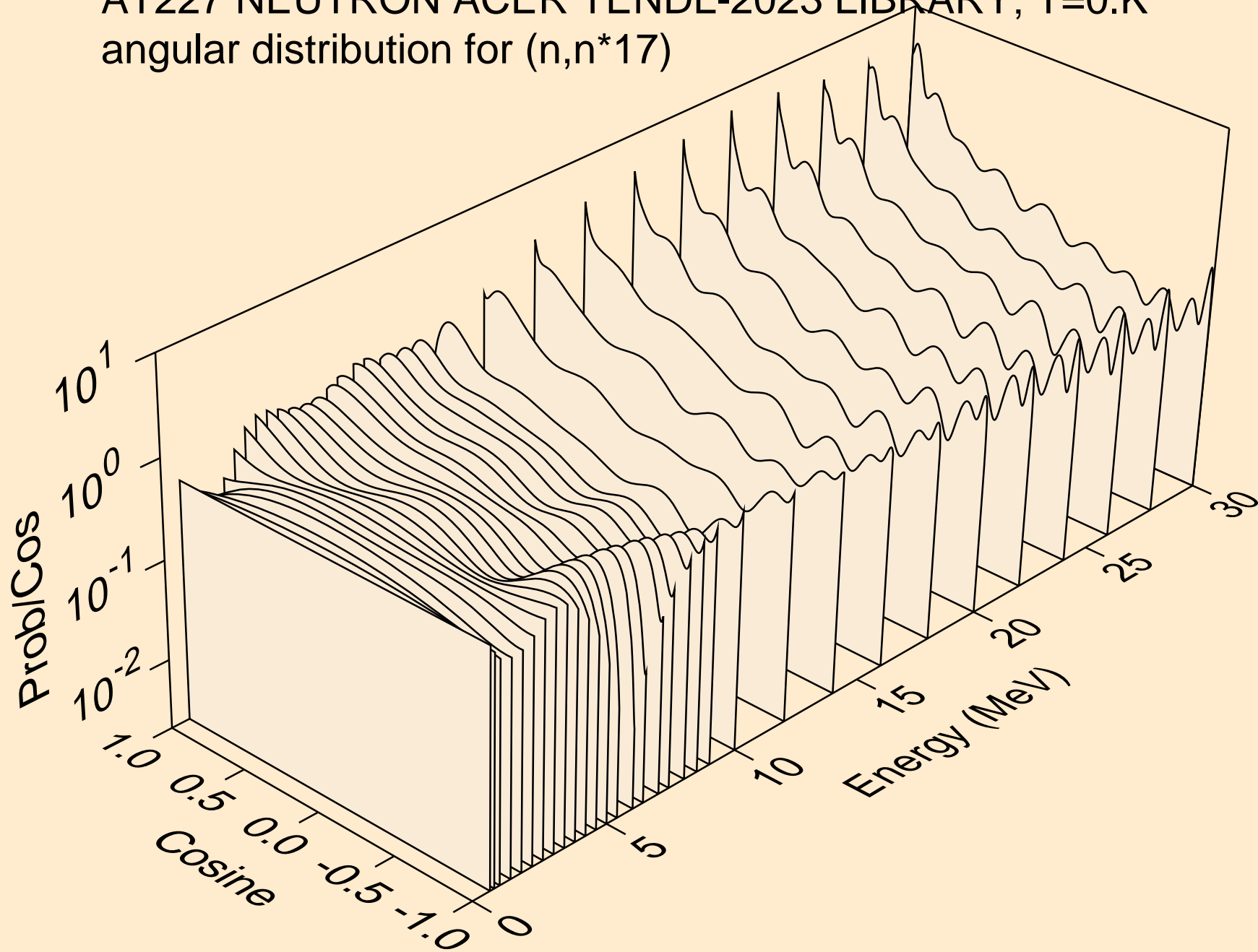
AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*15)



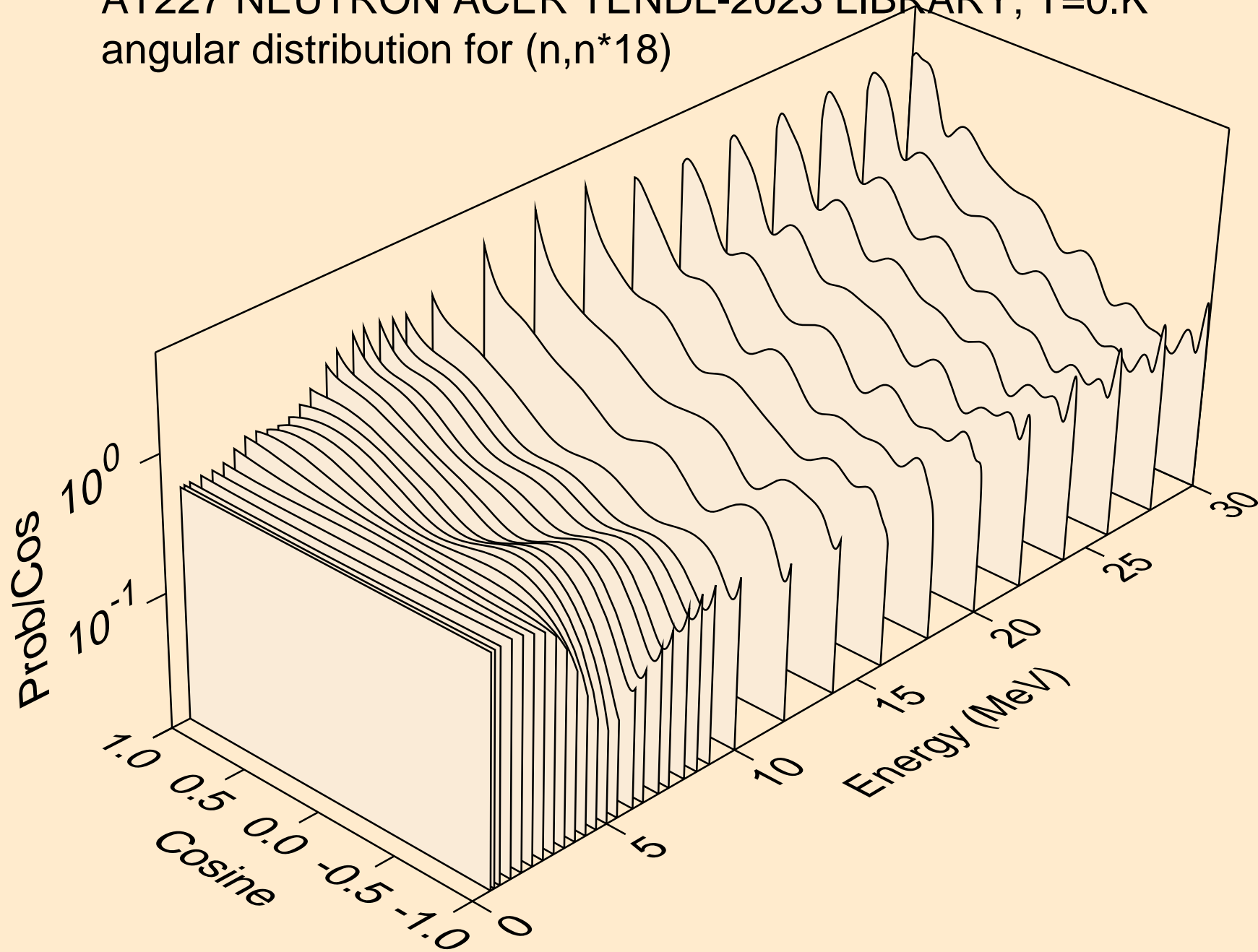
AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*16)



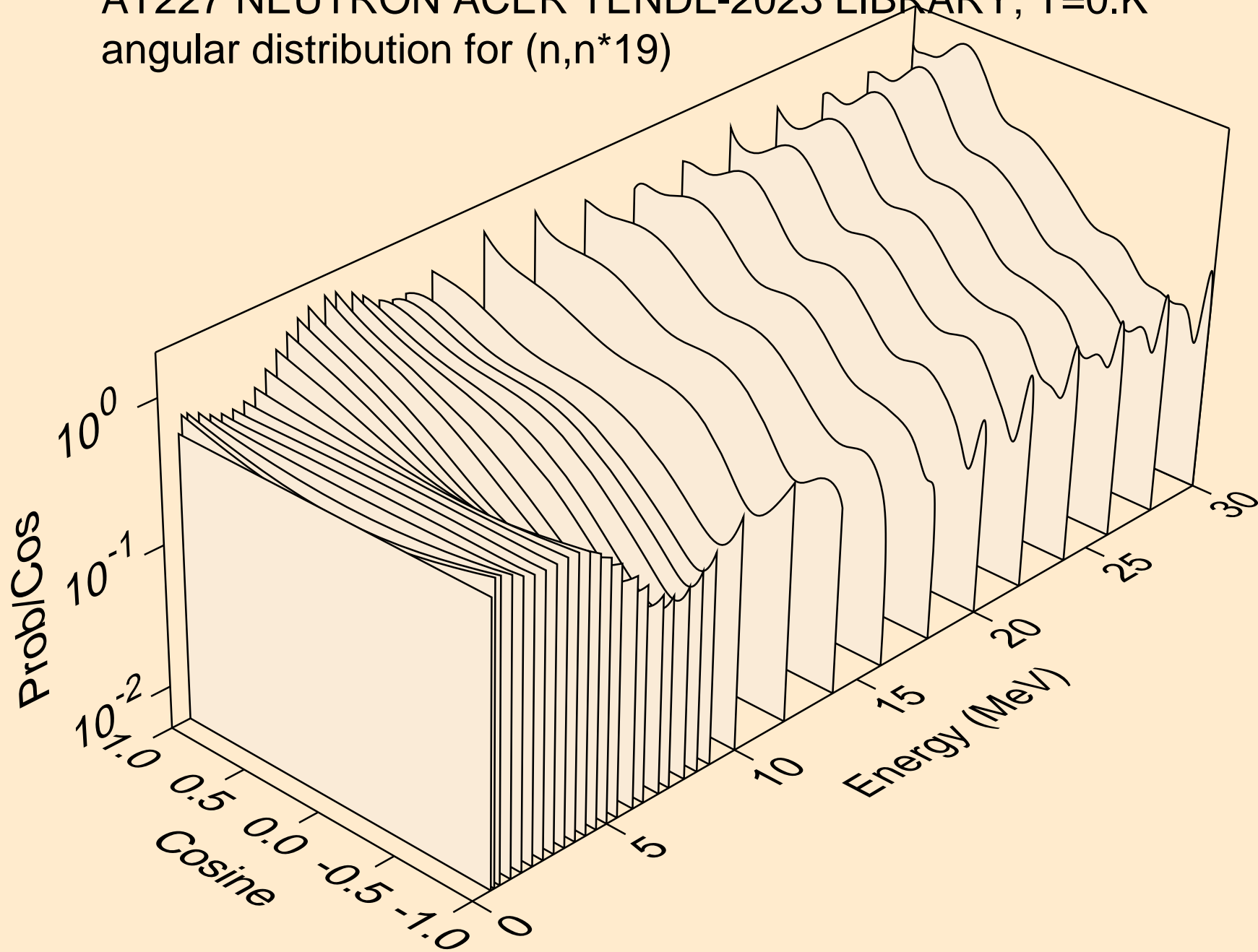
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angular distribution for (n,n\*17)



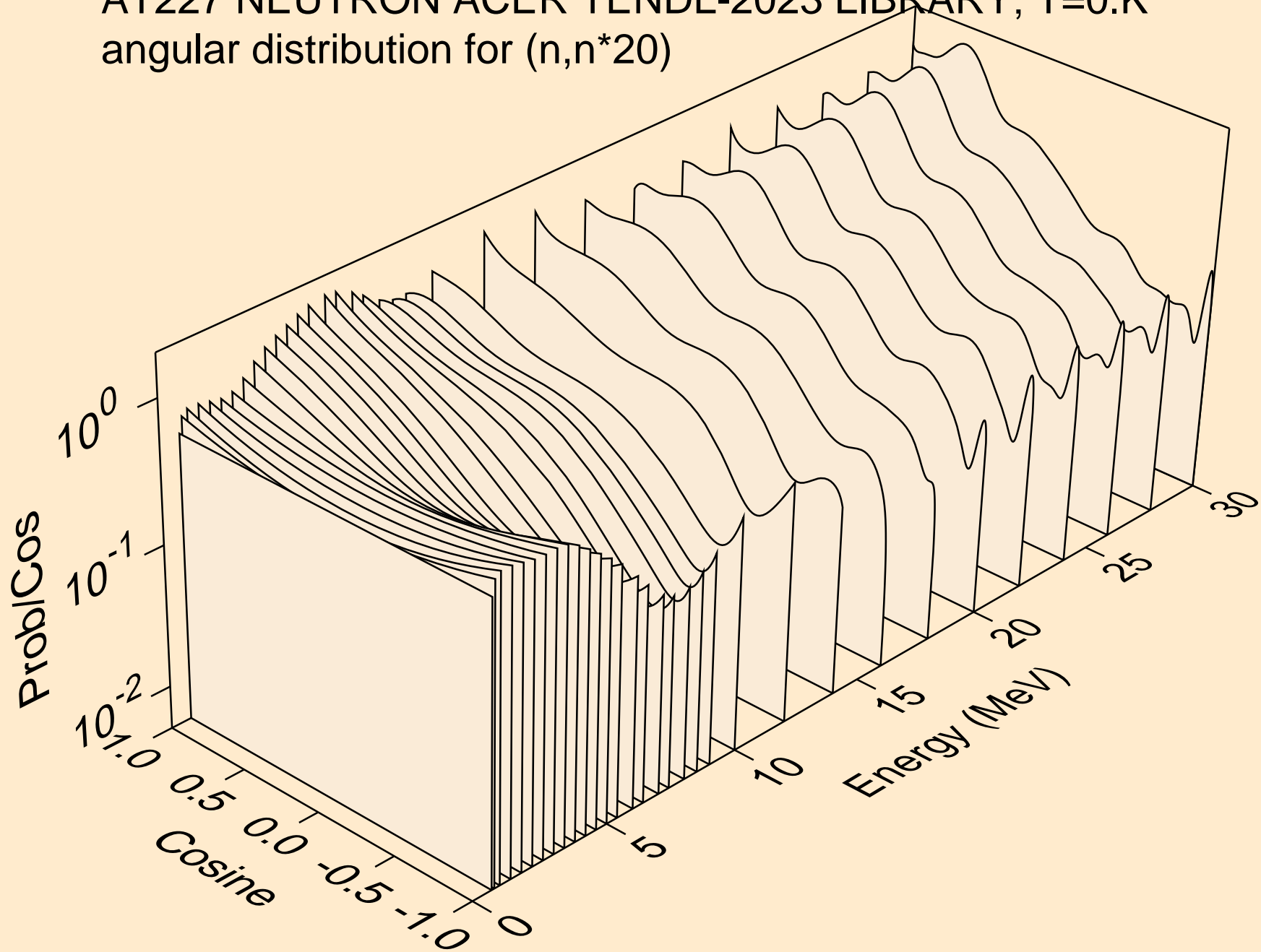
AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*18)



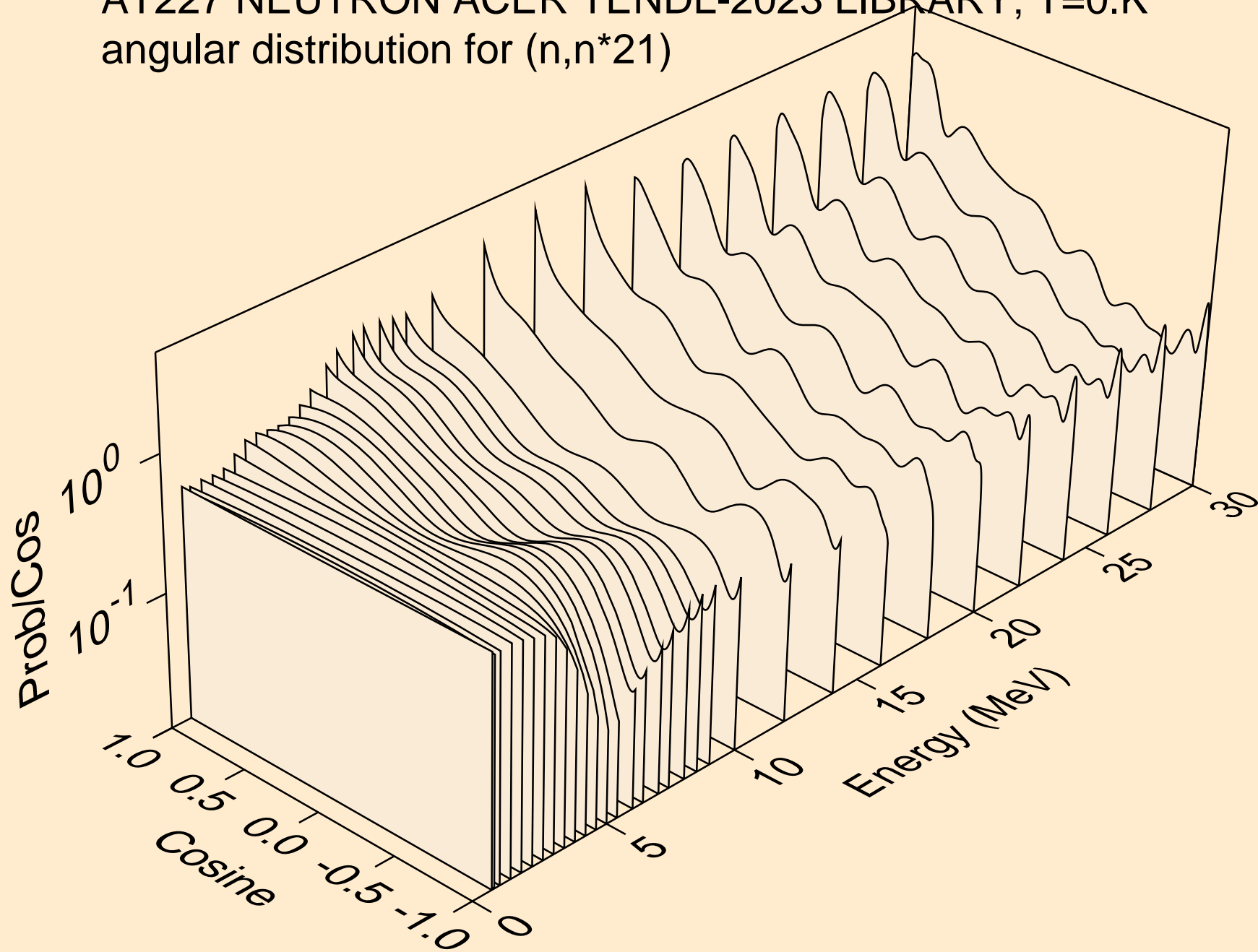
AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*19)



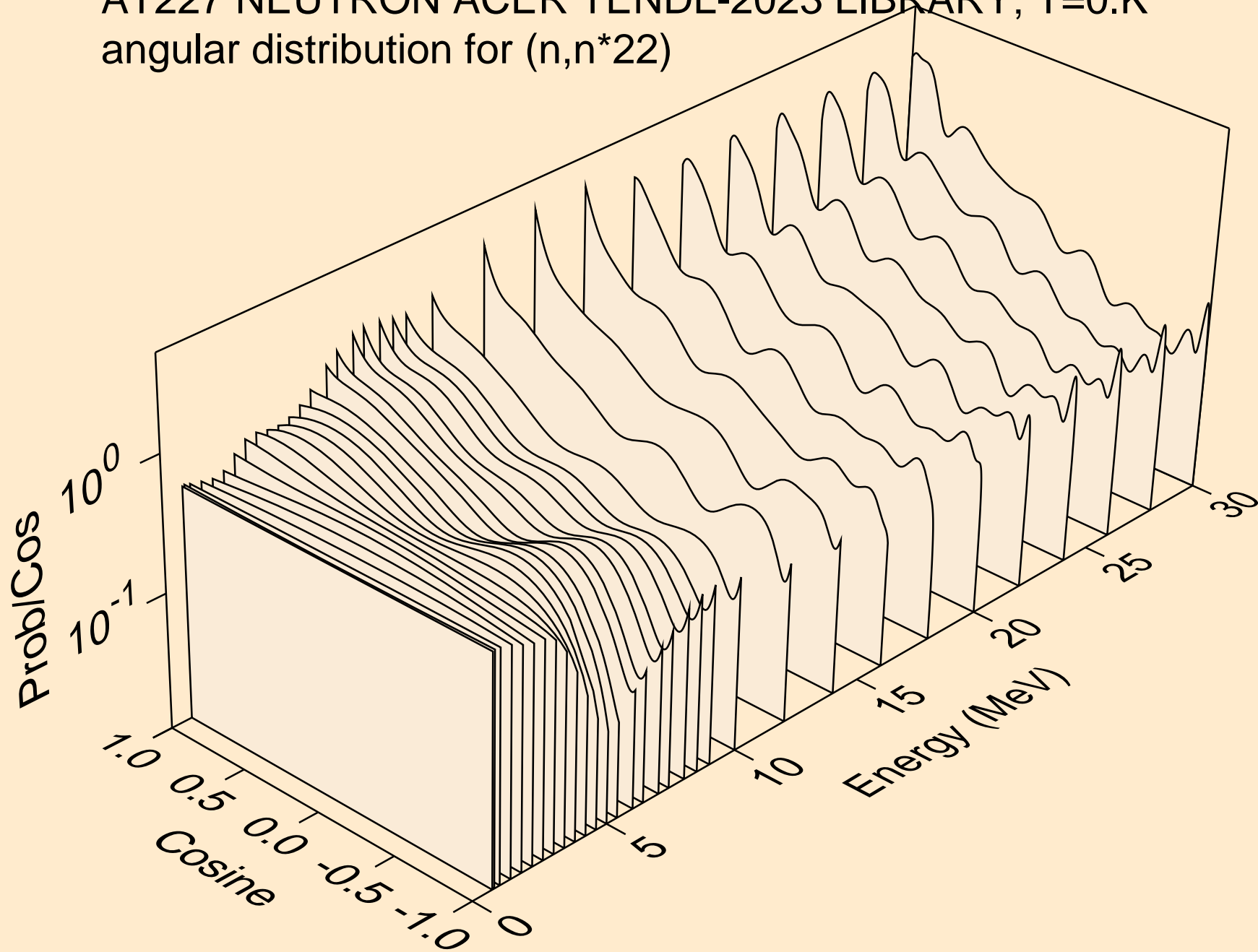
AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*20)



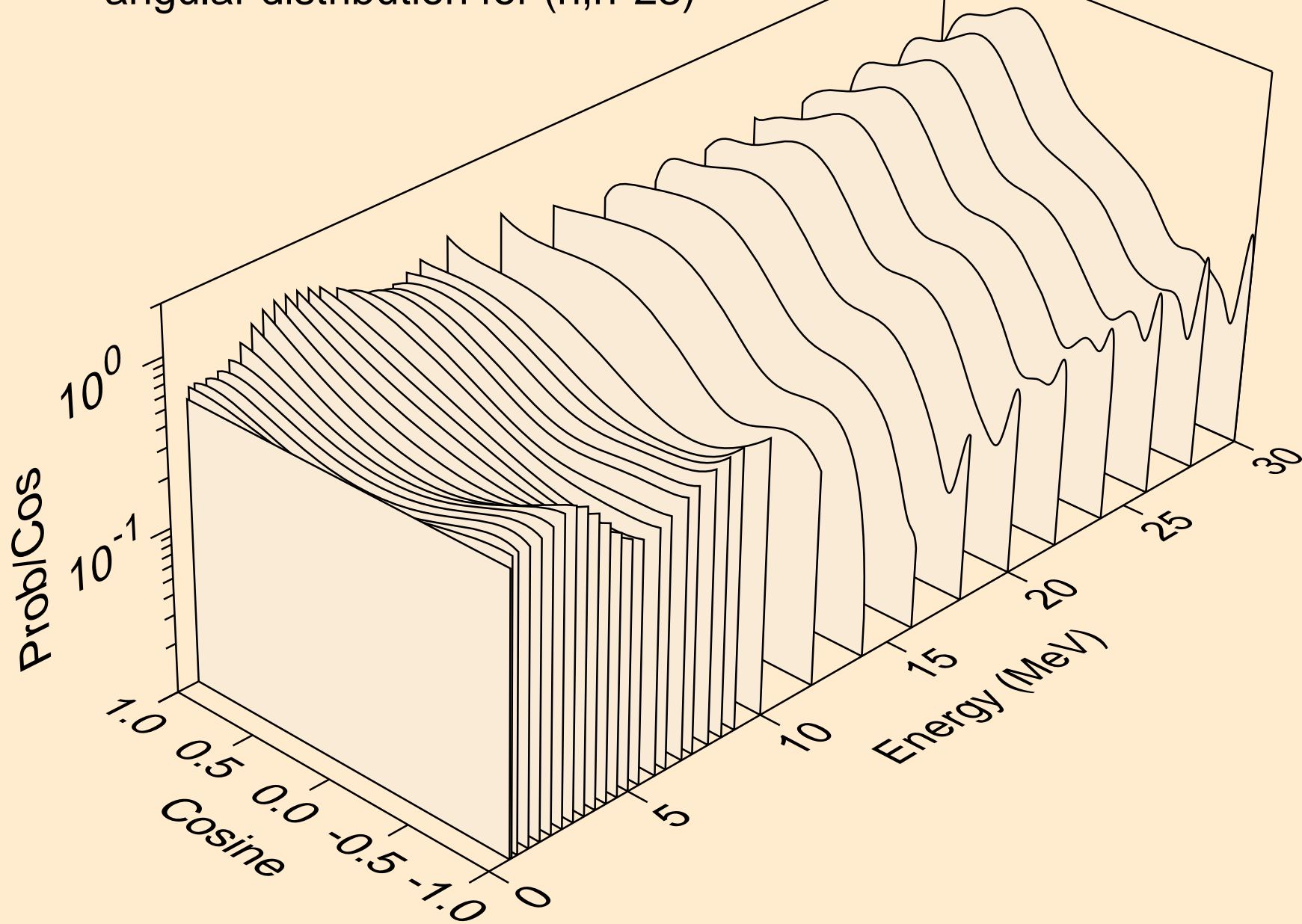
AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*21)



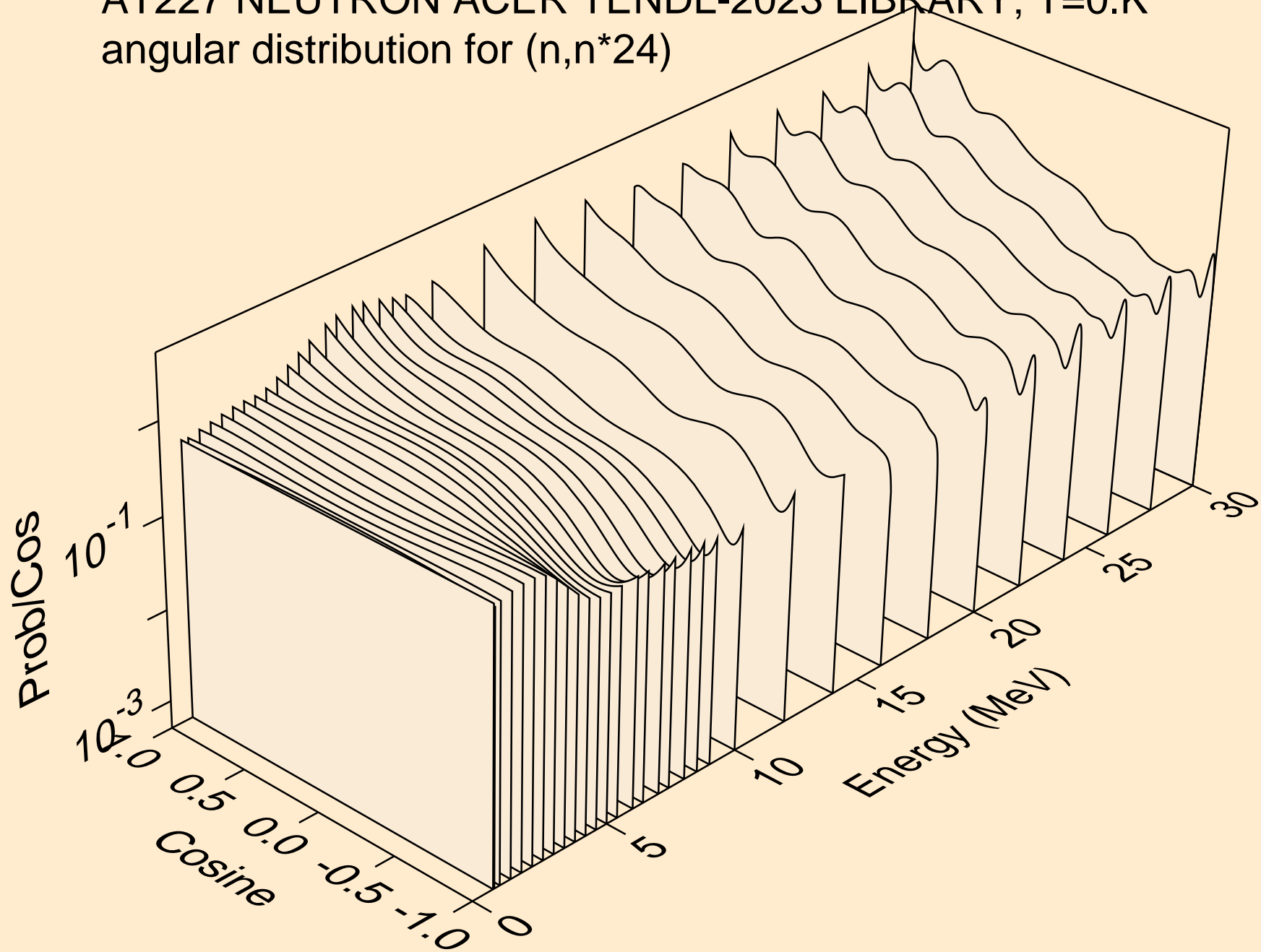
AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*22)



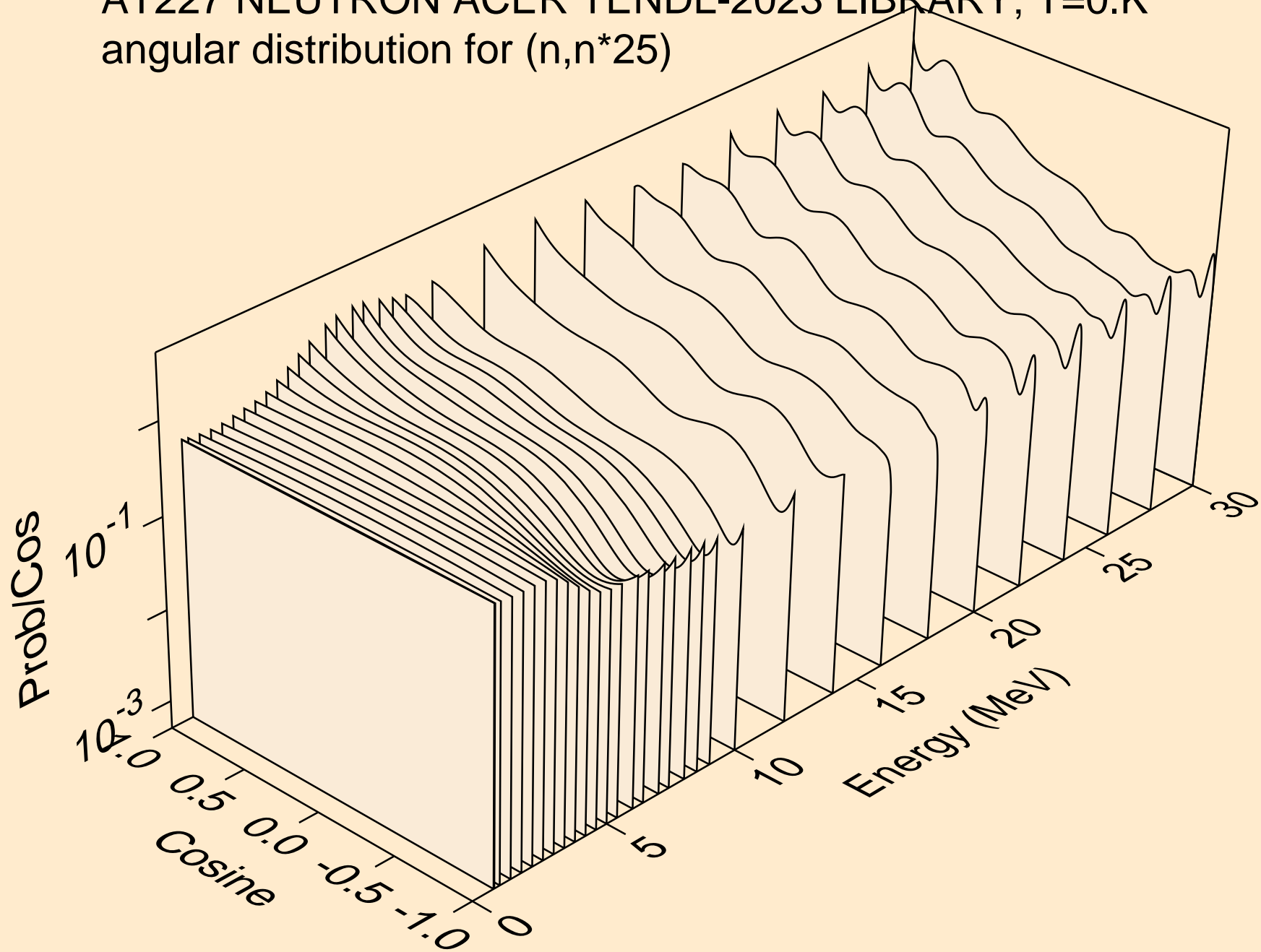
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angular distribution for (n,n\*23)



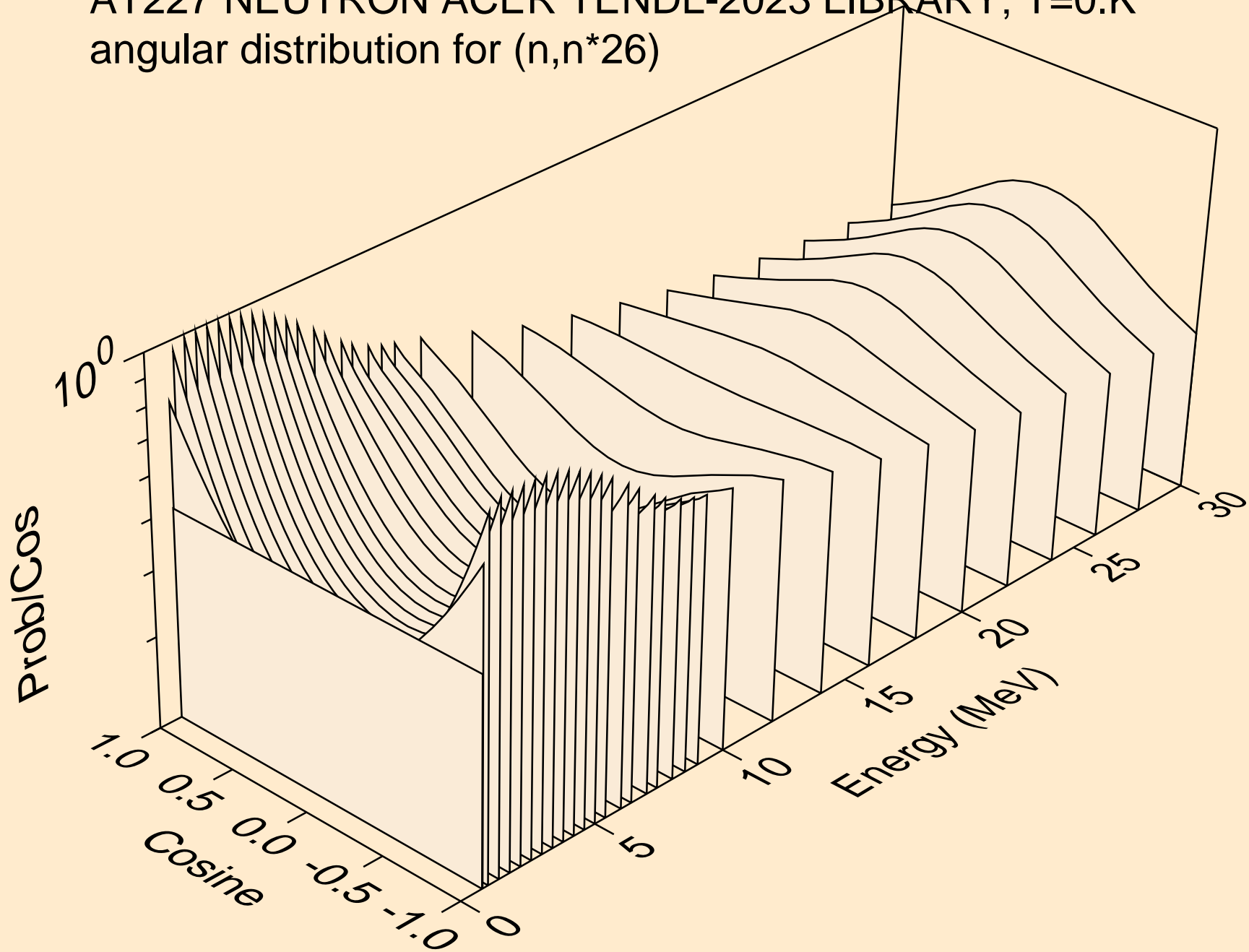
AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*24)



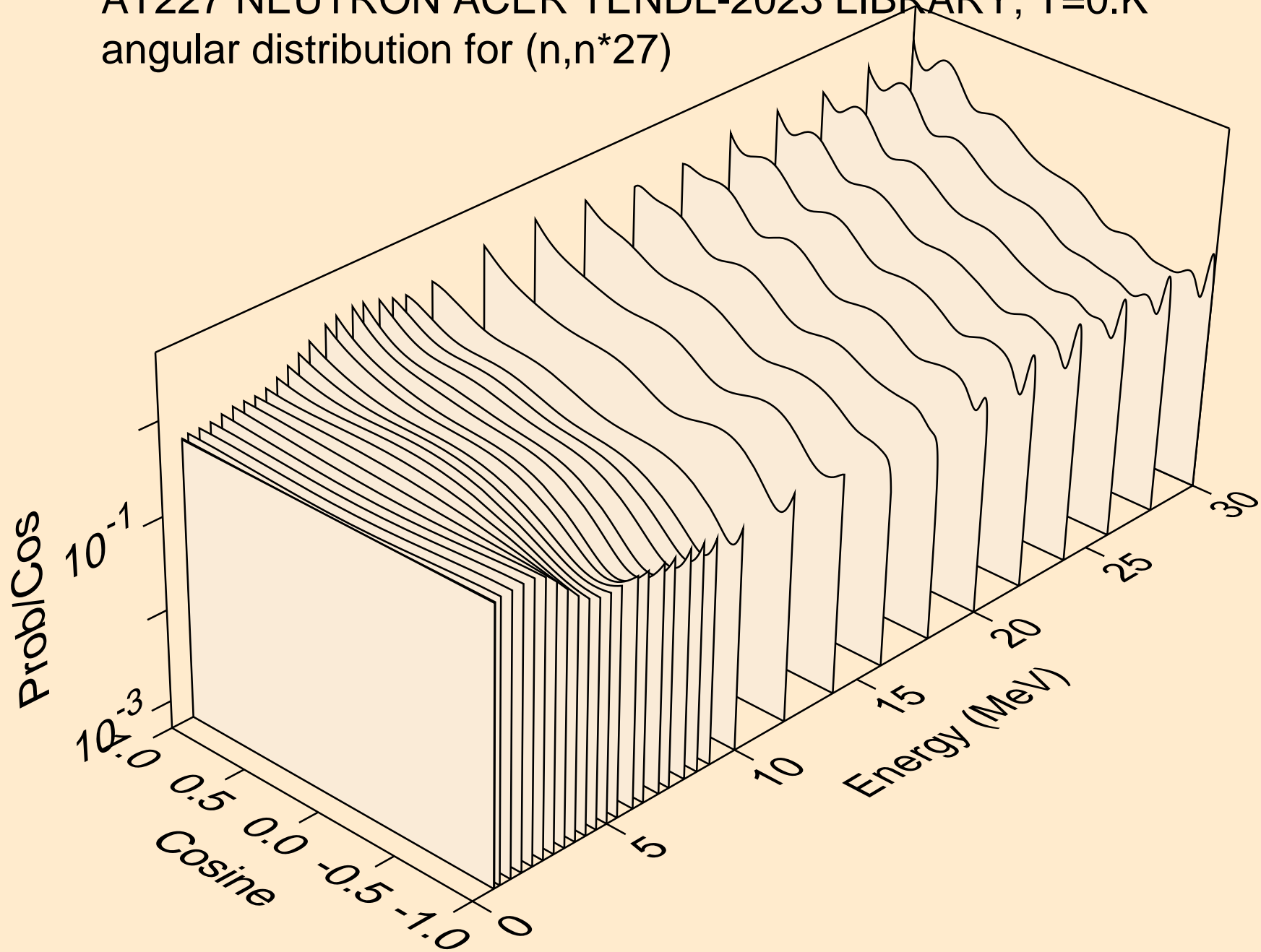
AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*25)



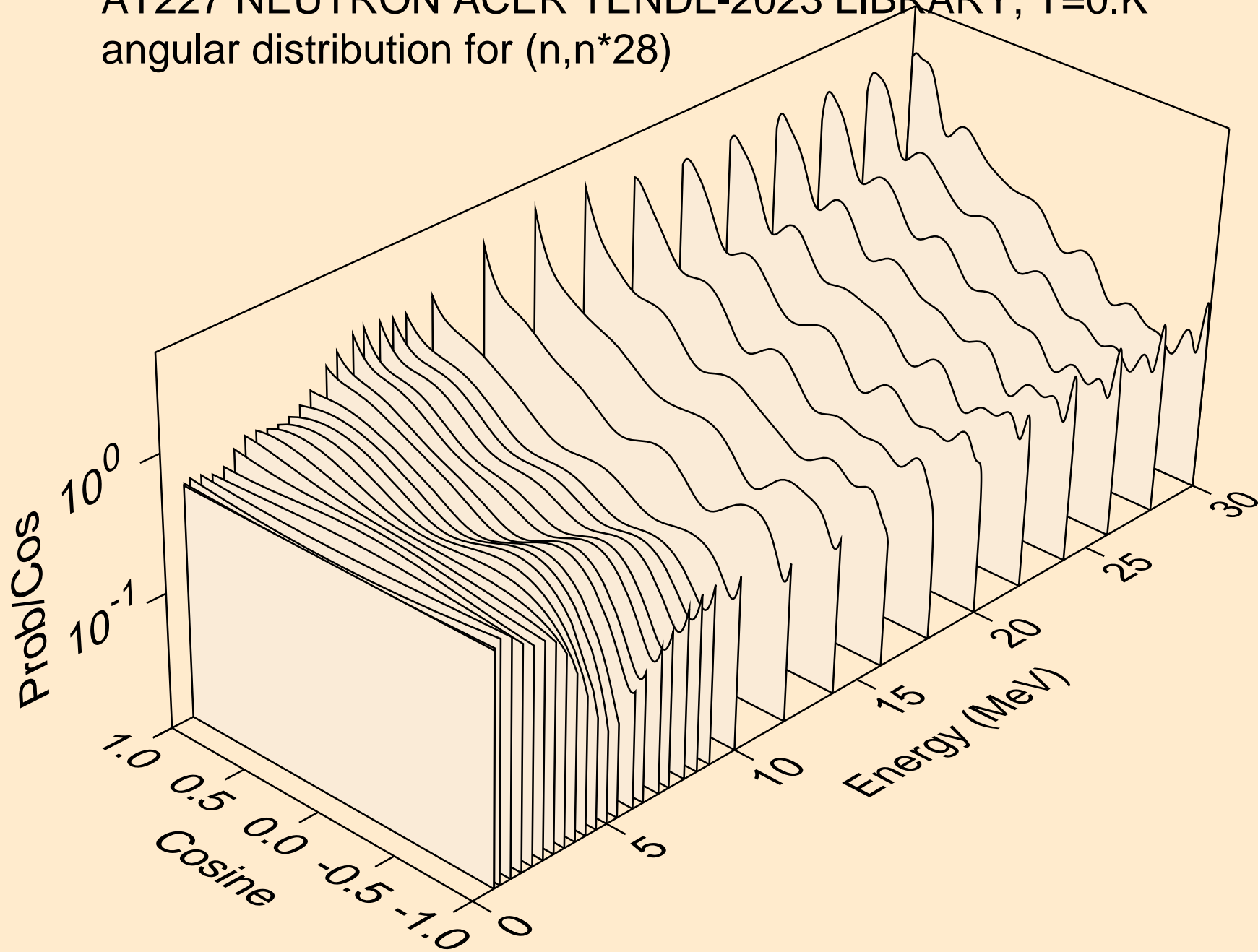
AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*26)



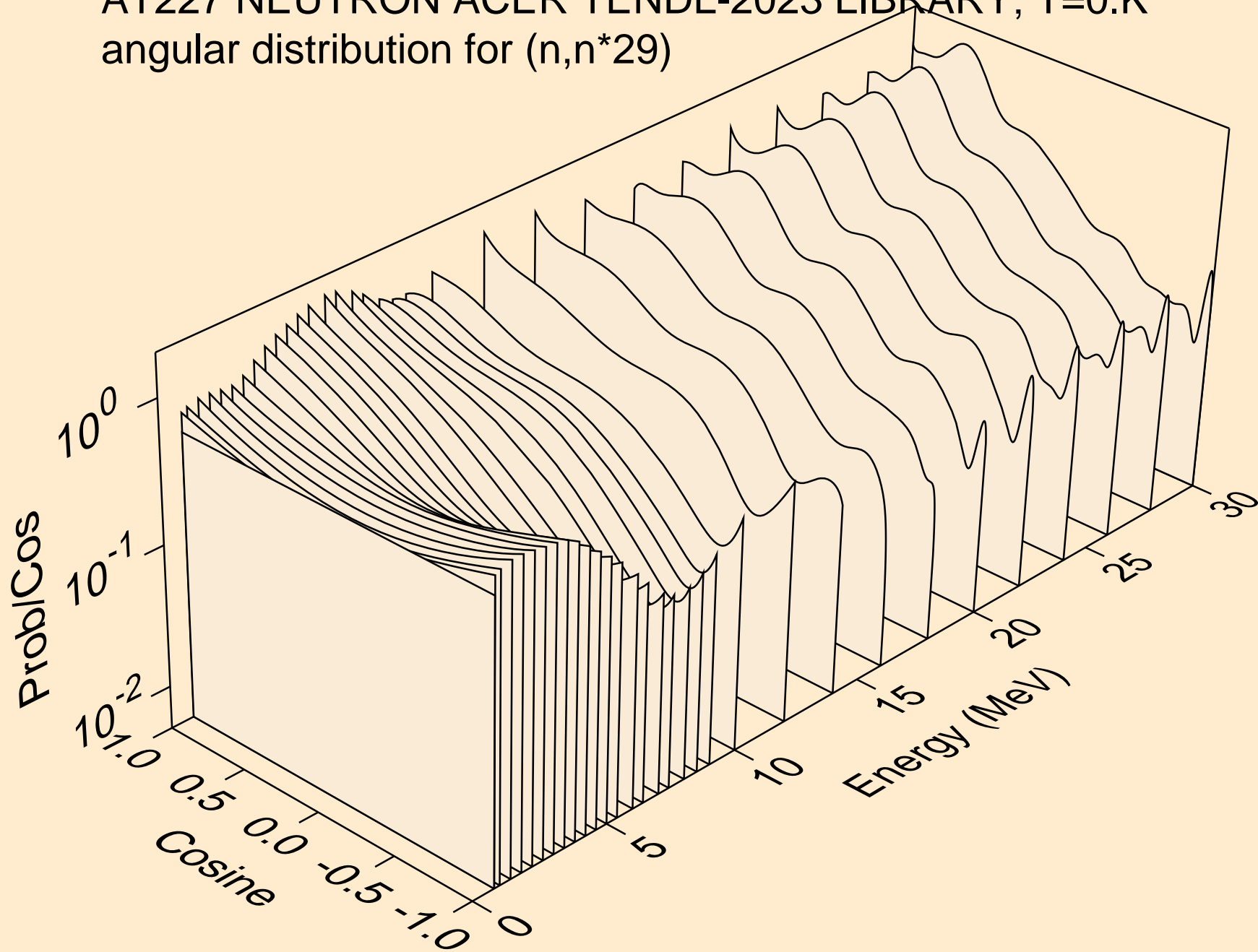
AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*27)



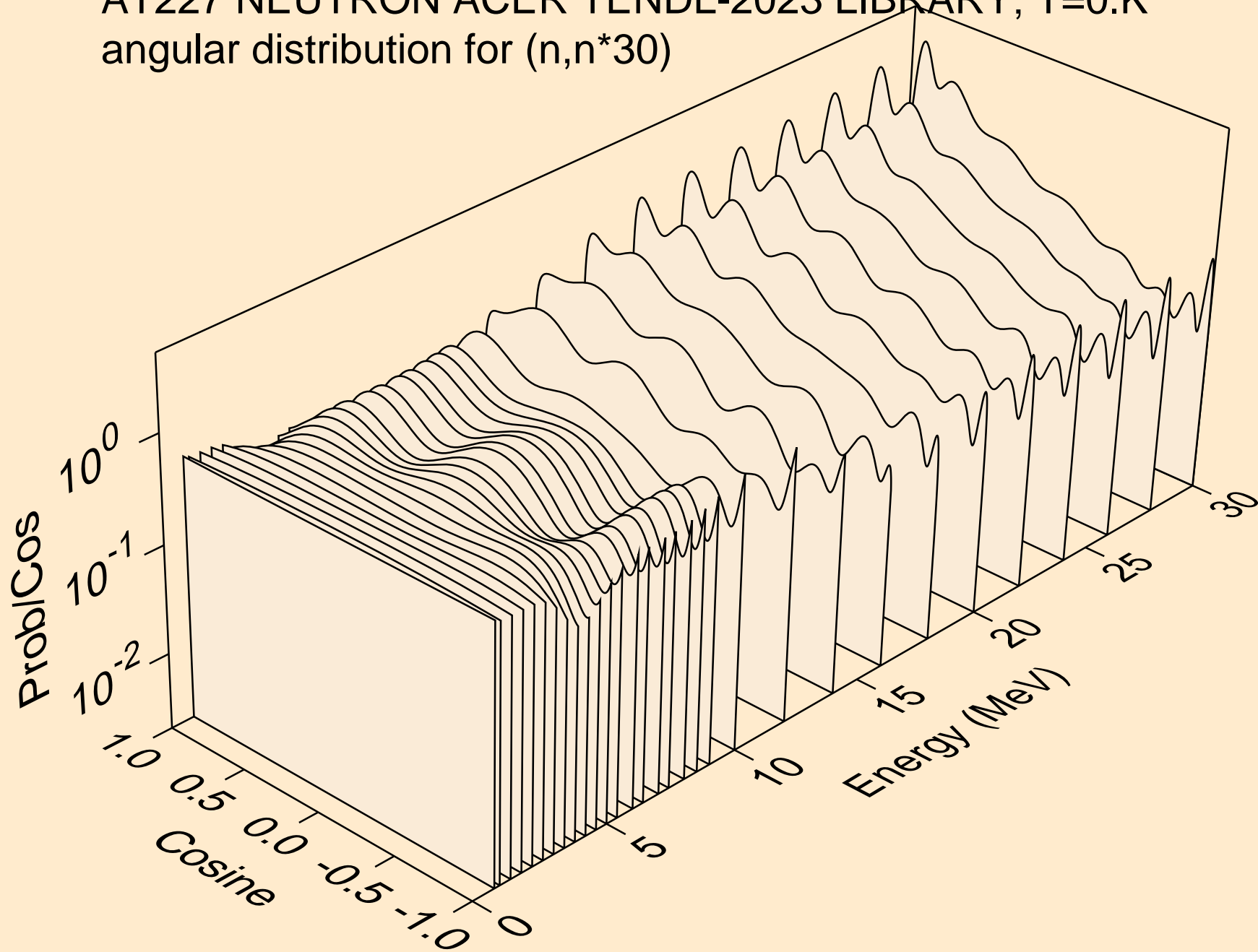
AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*28)



AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*29)

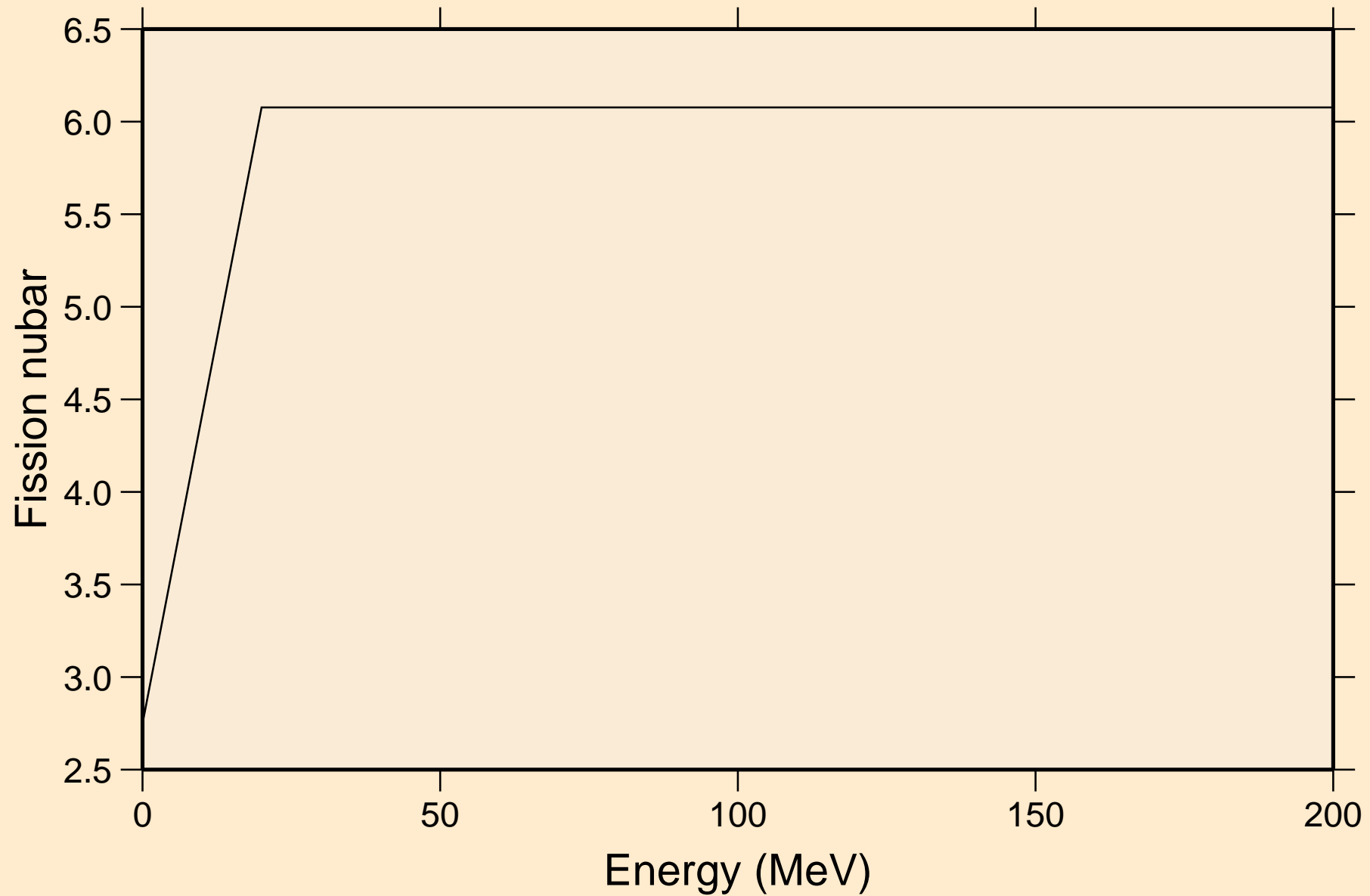


AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*30)

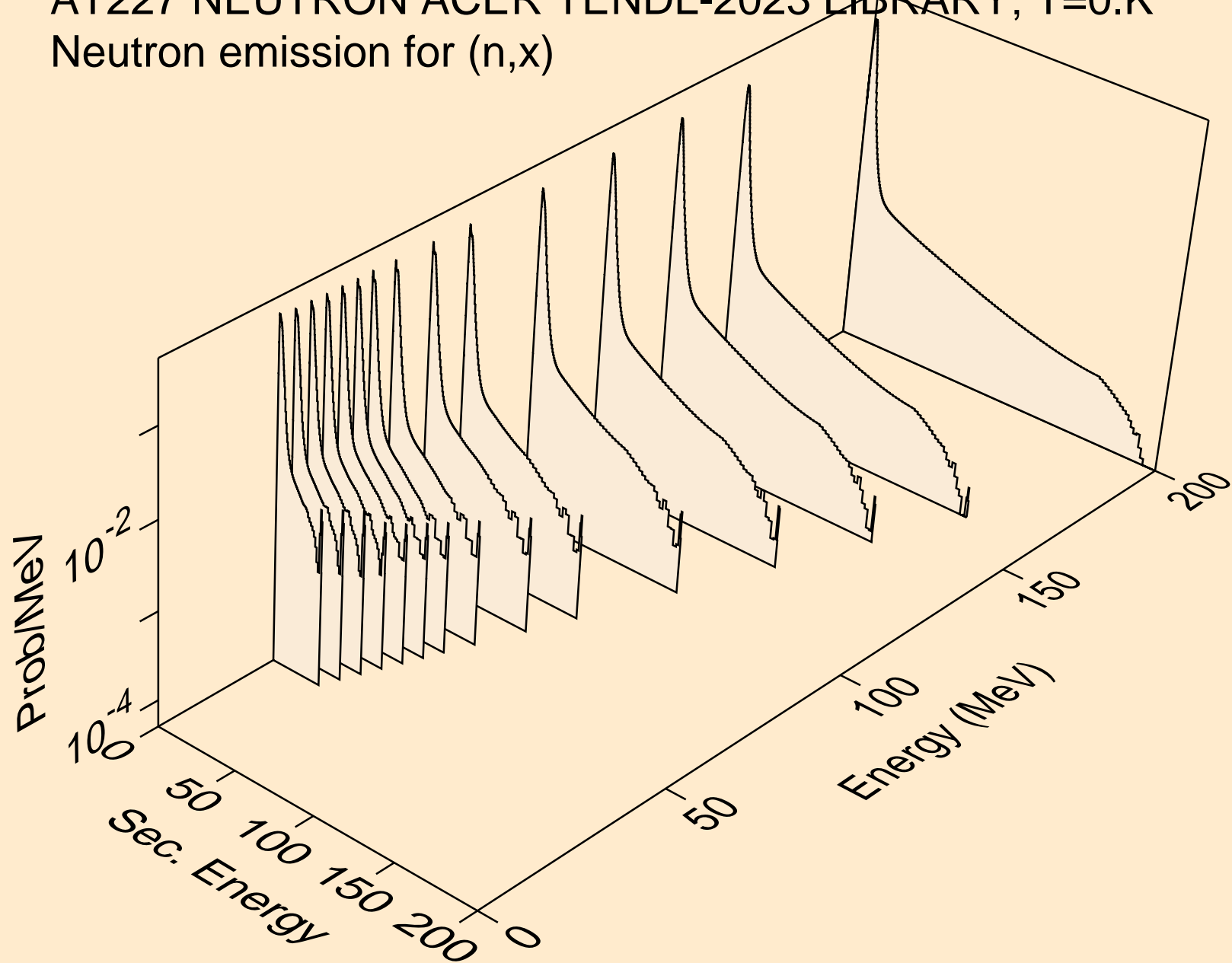


AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

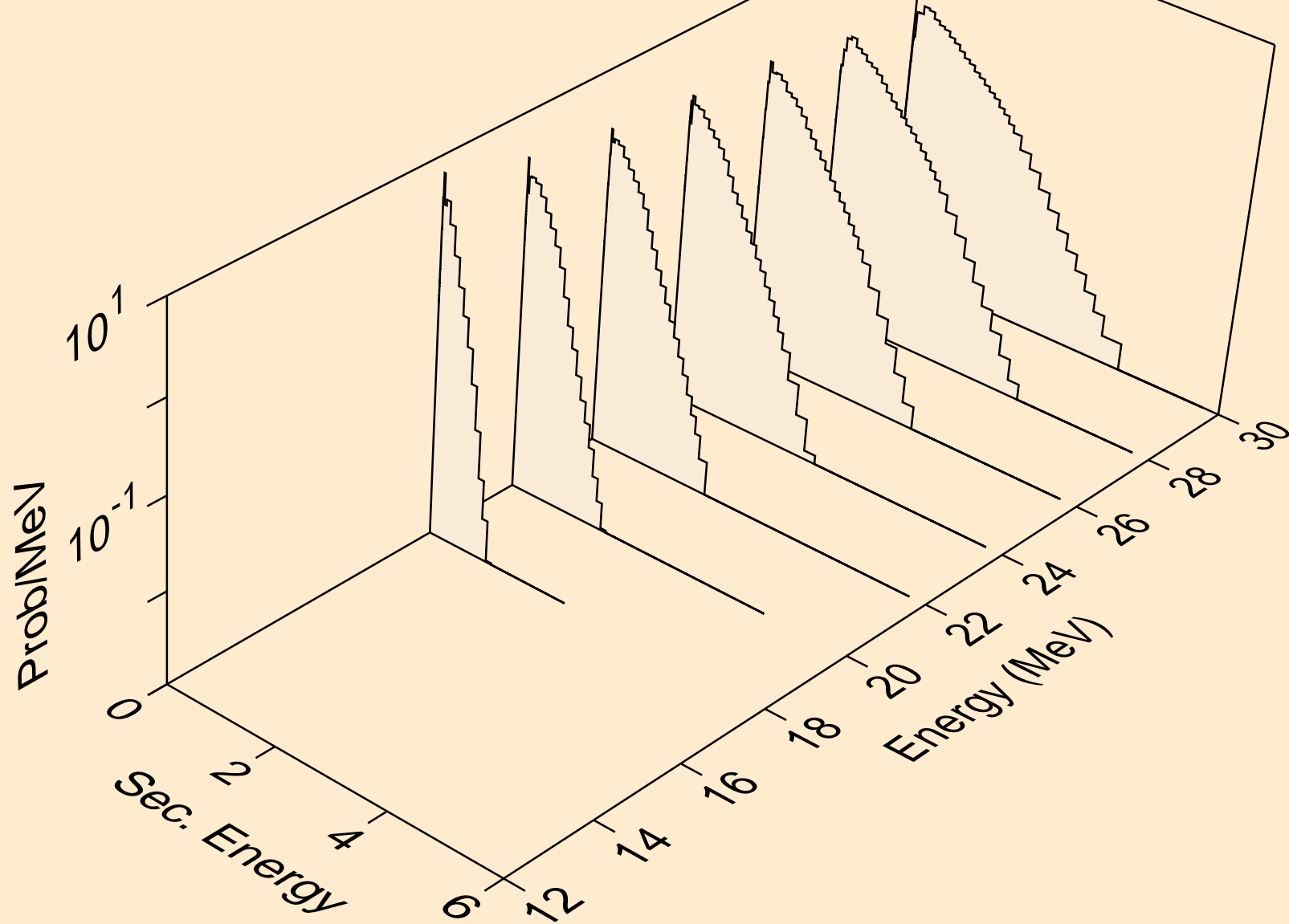
Total fission nubar



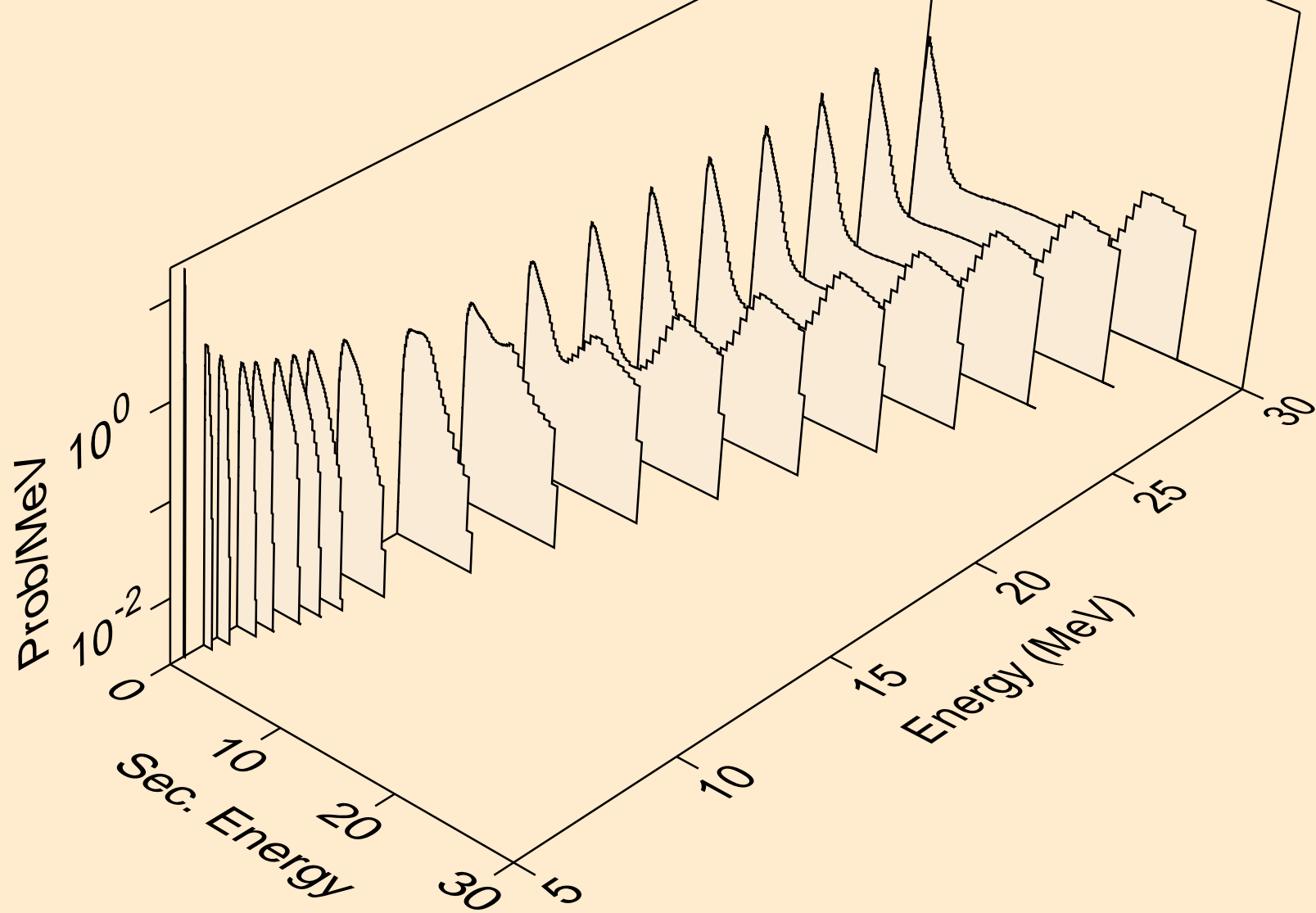
AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,x)



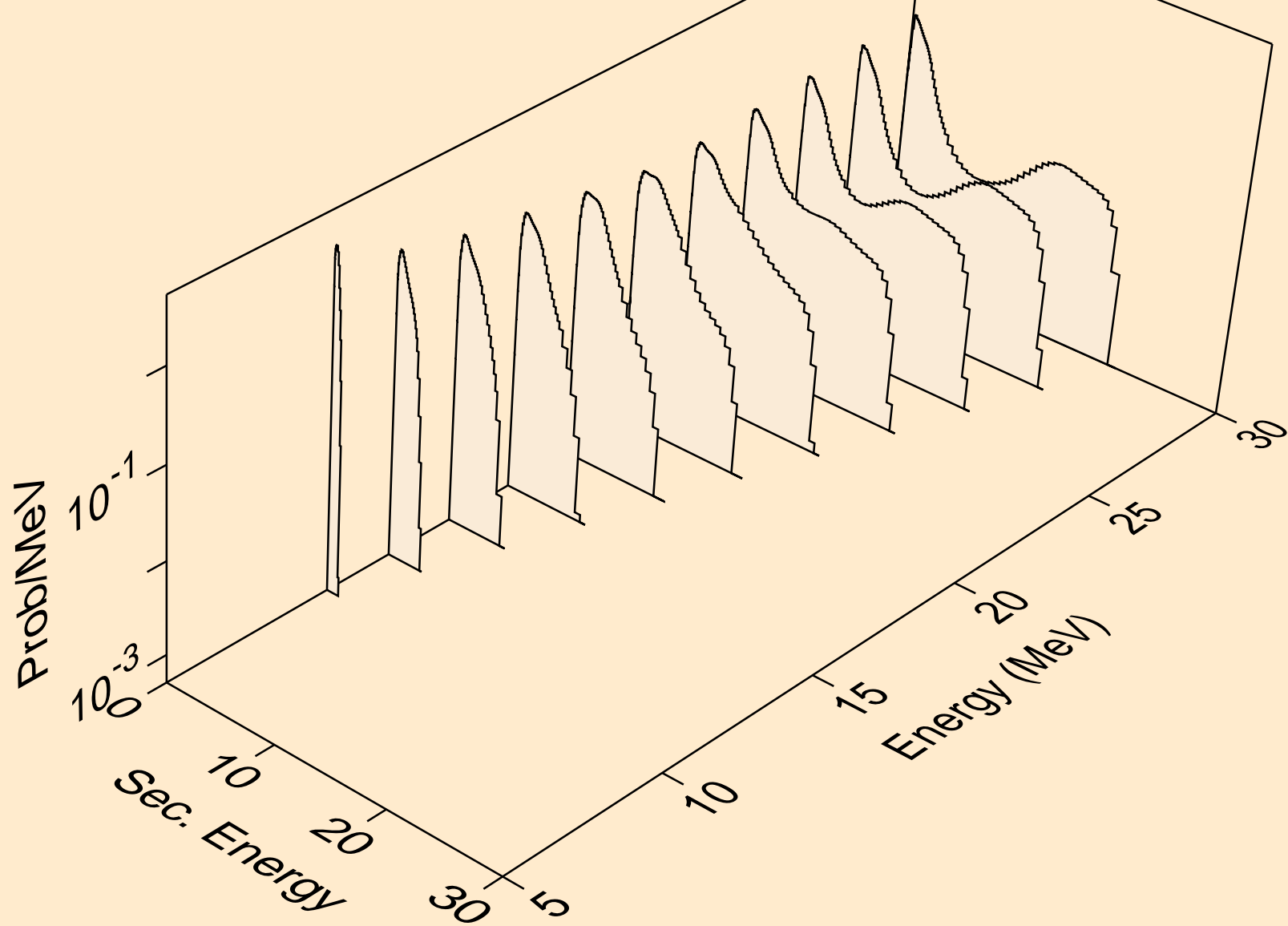
AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



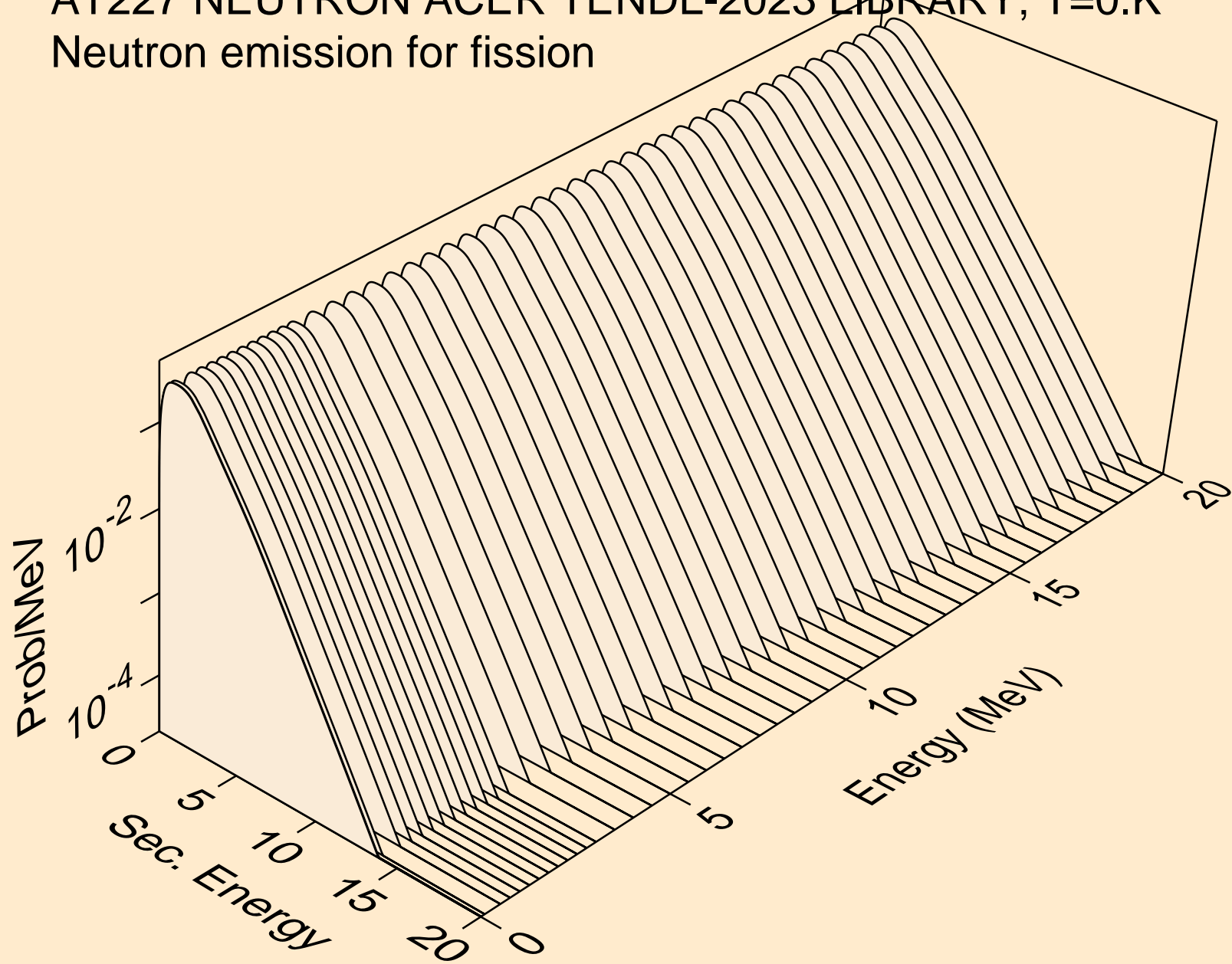
AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)



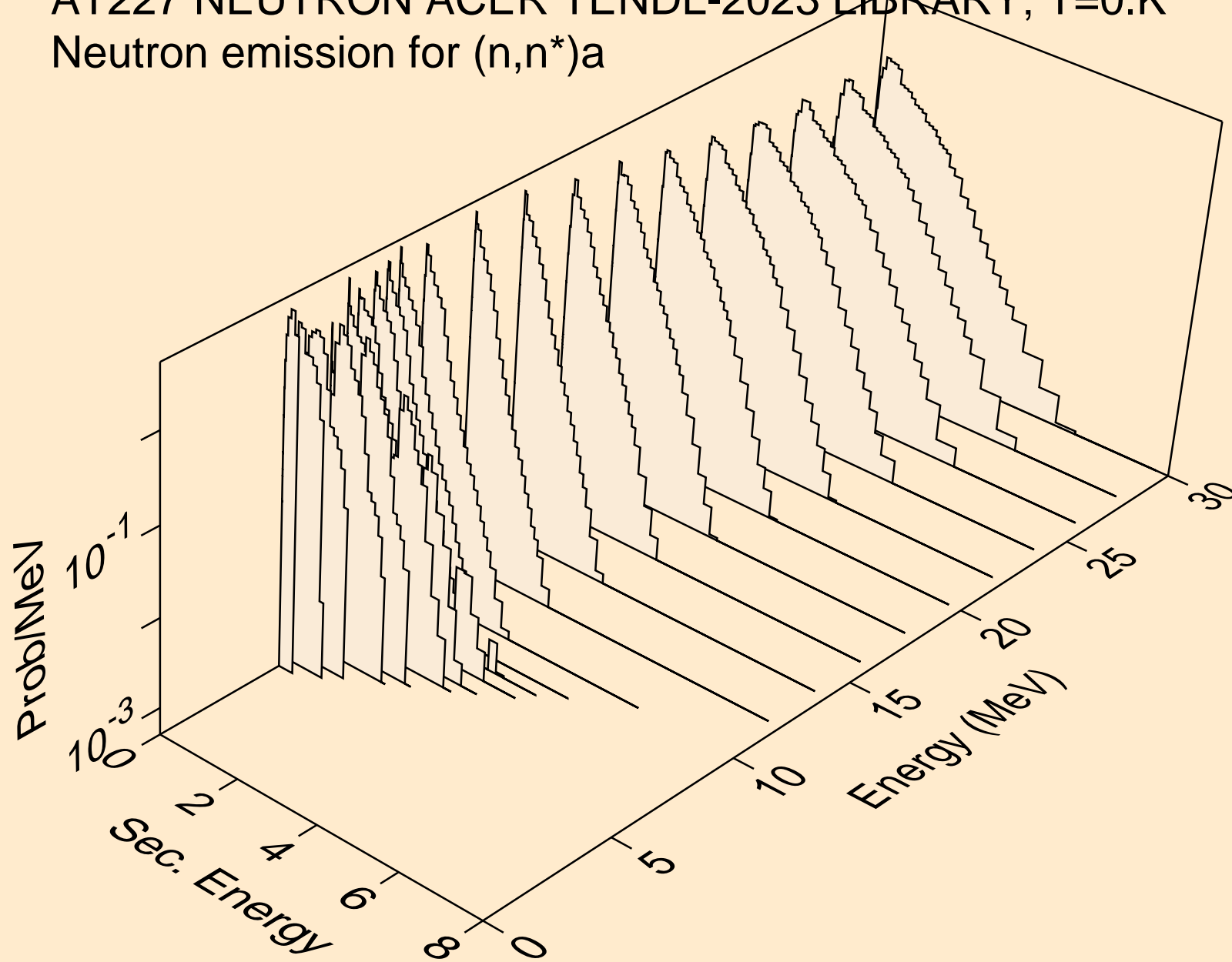
AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)



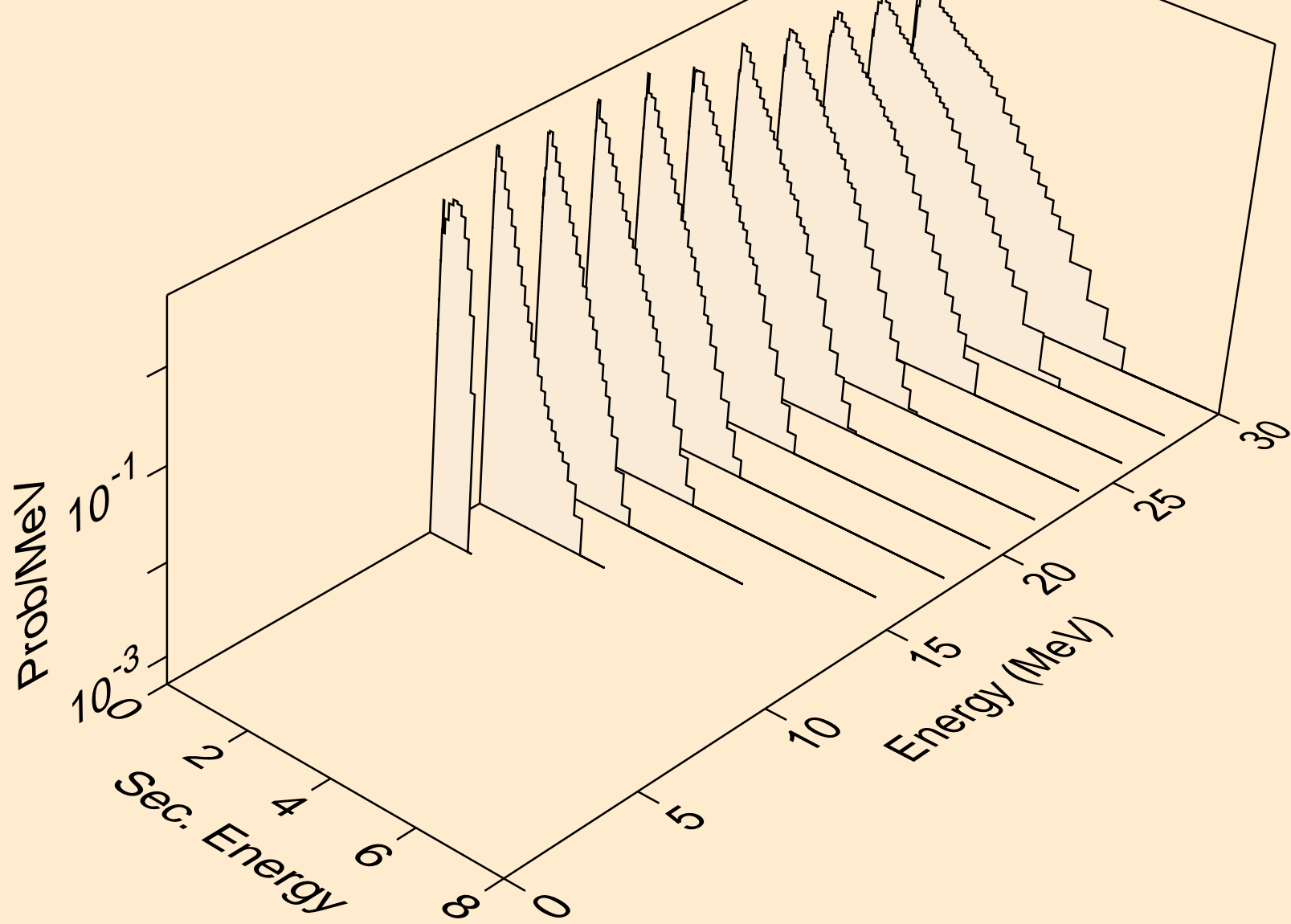
AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for fission



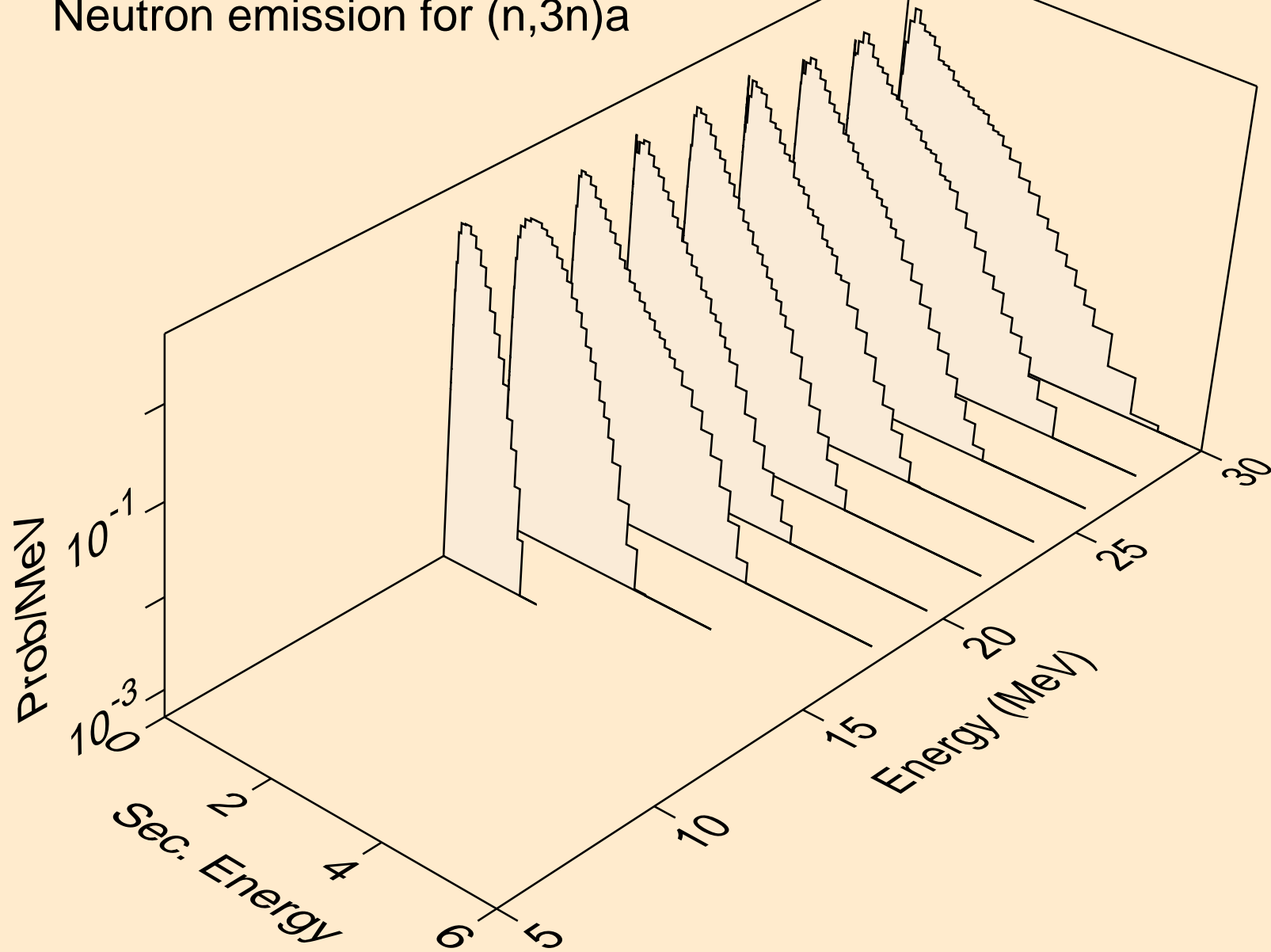
AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



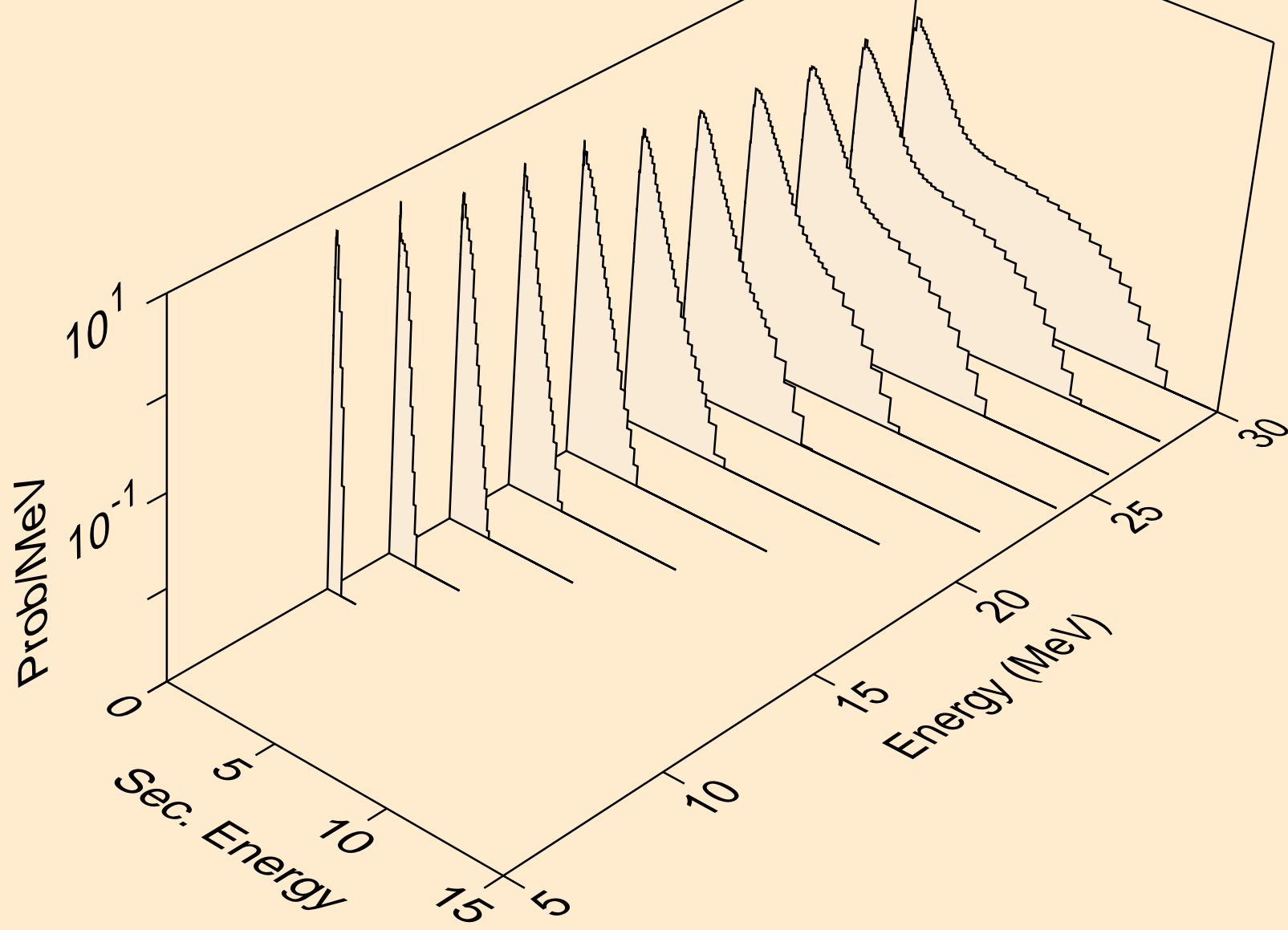
AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)a



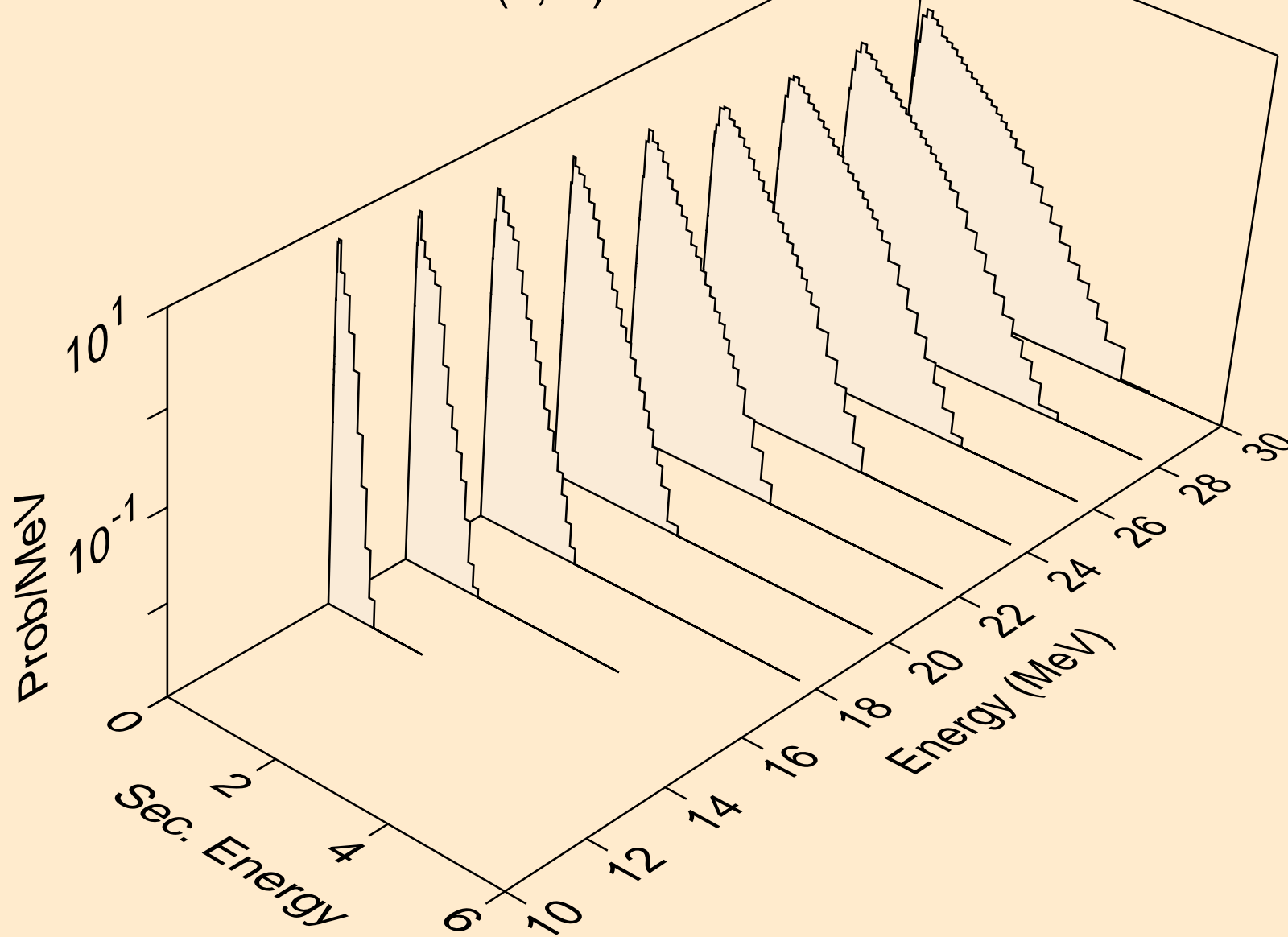
AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)a



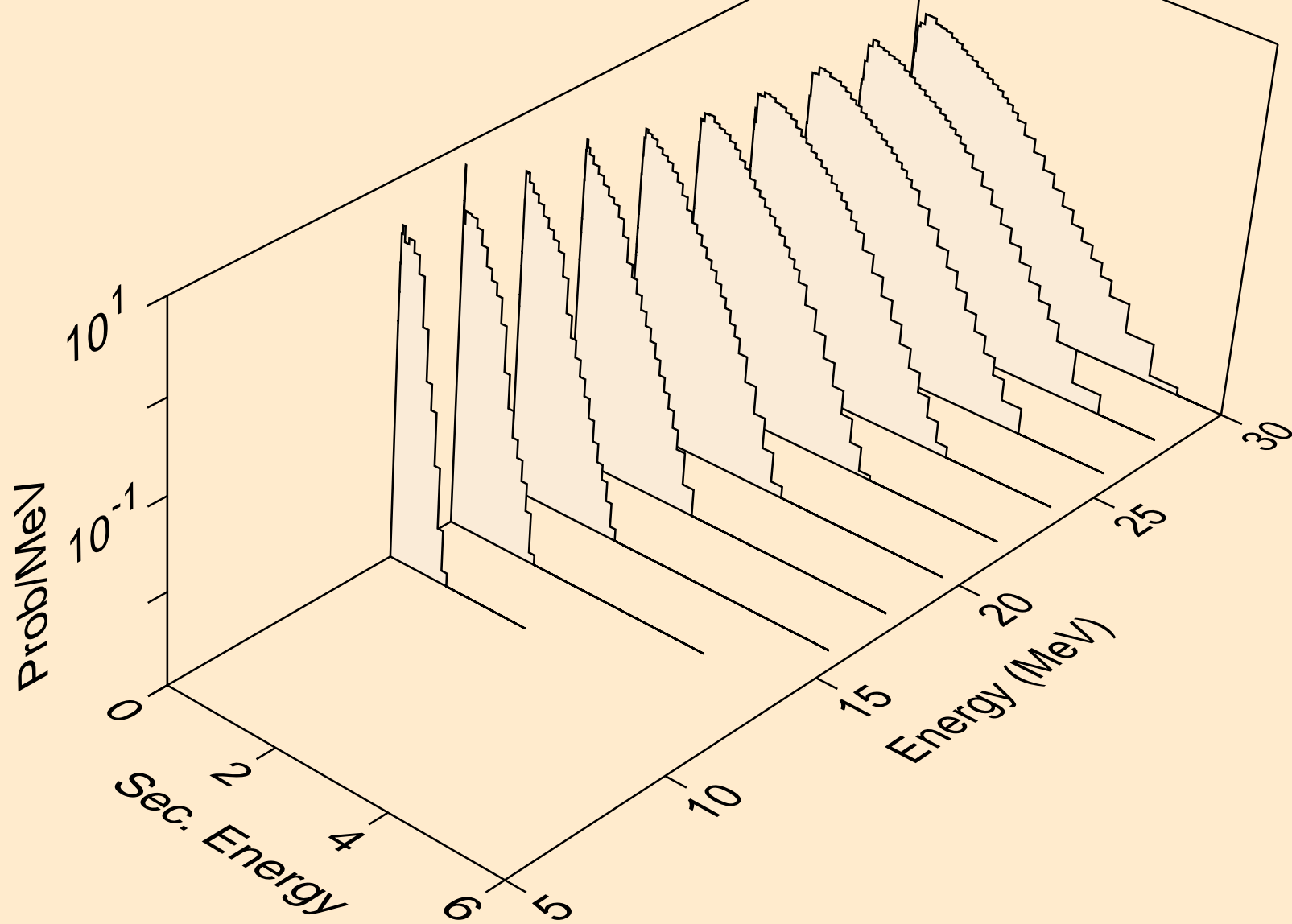
AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



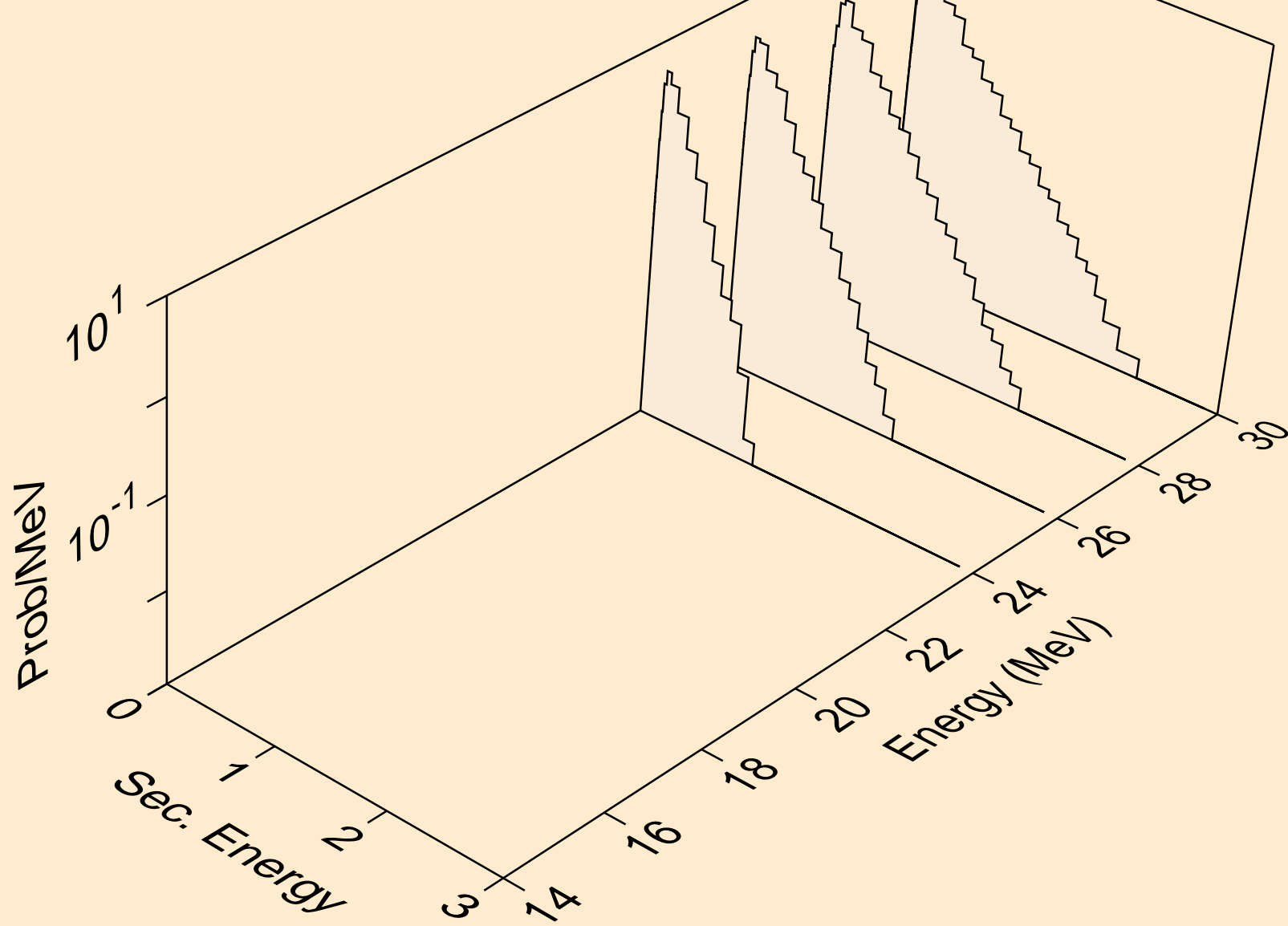
AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d



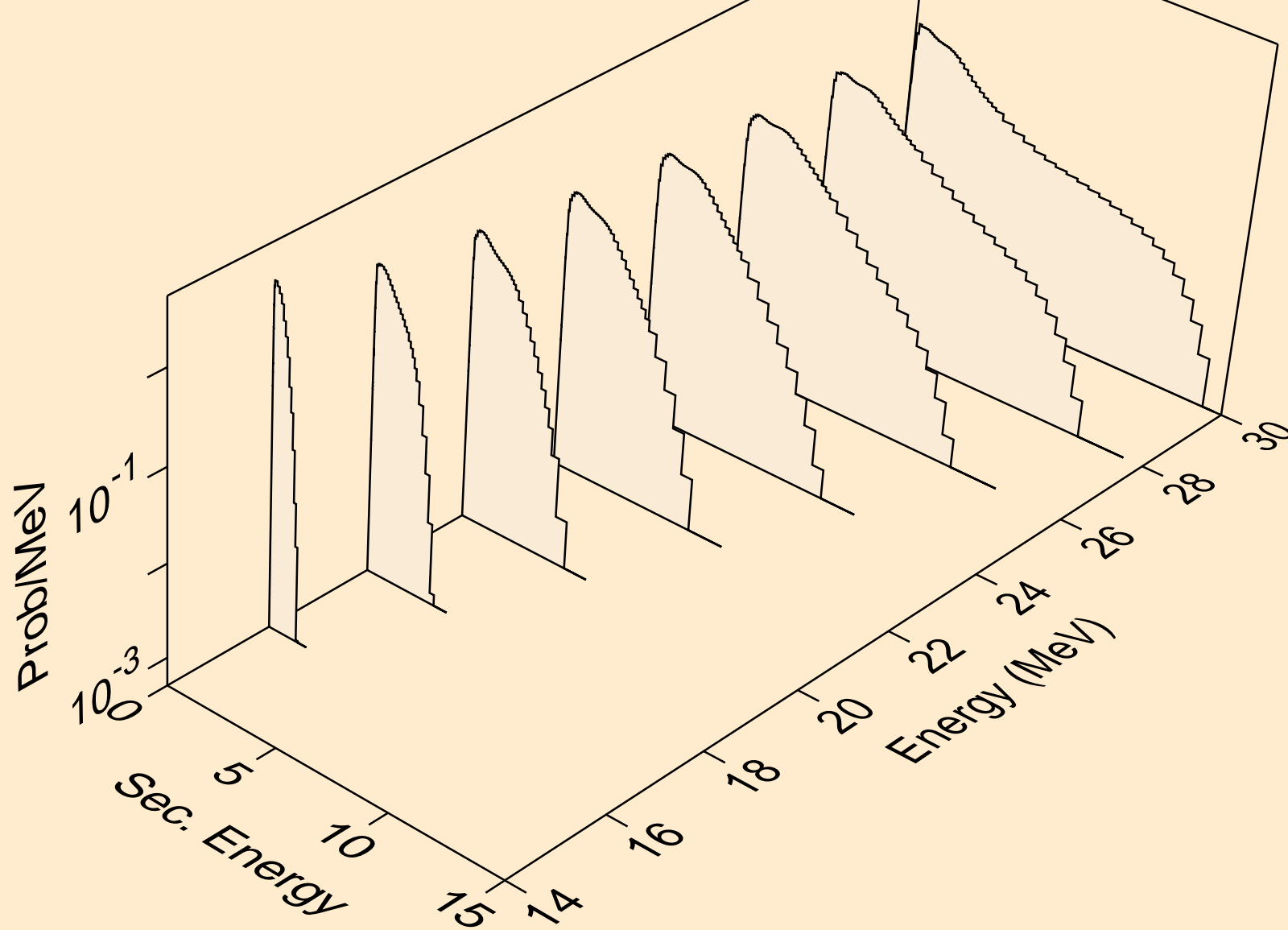
AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



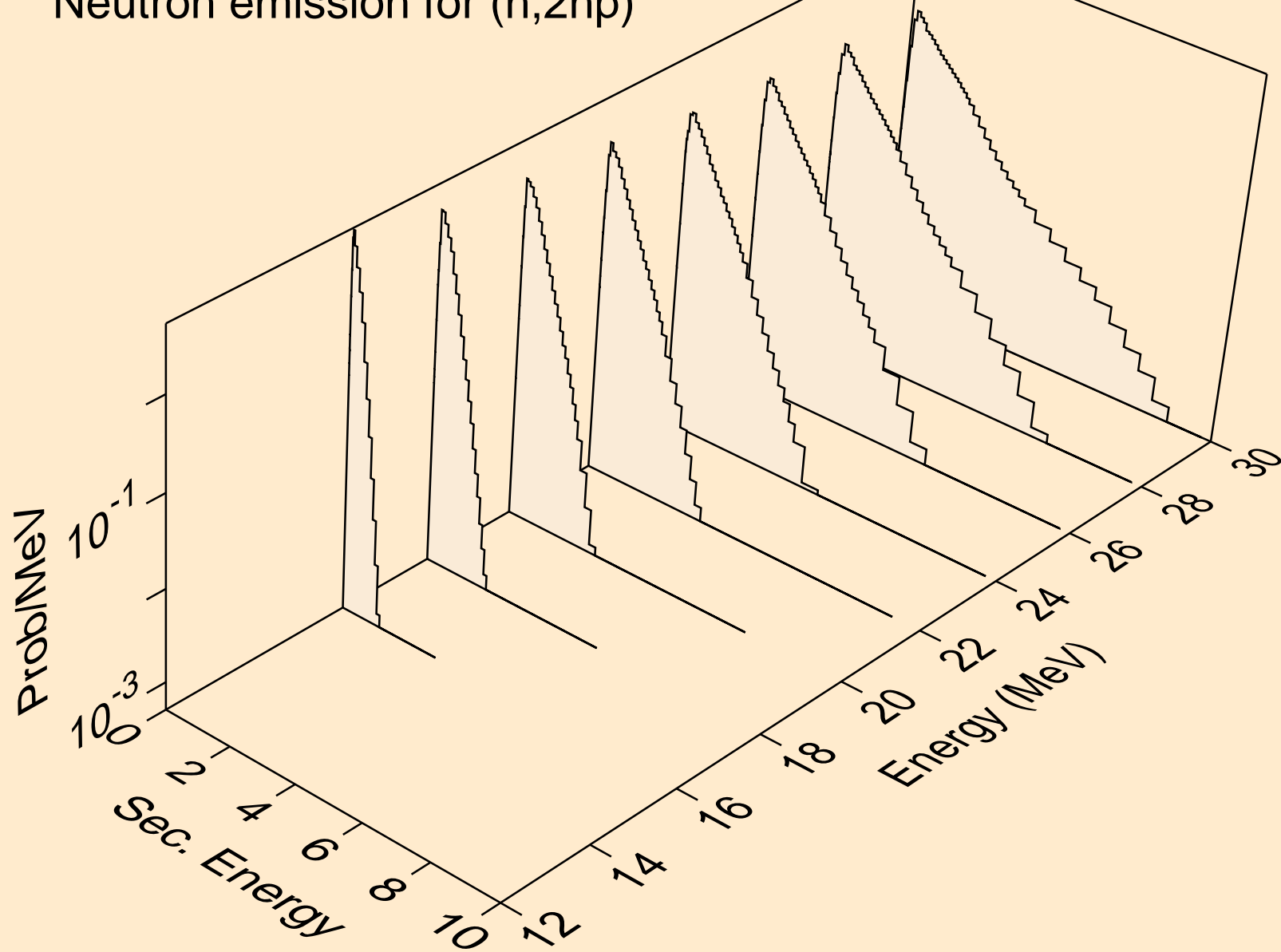
AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



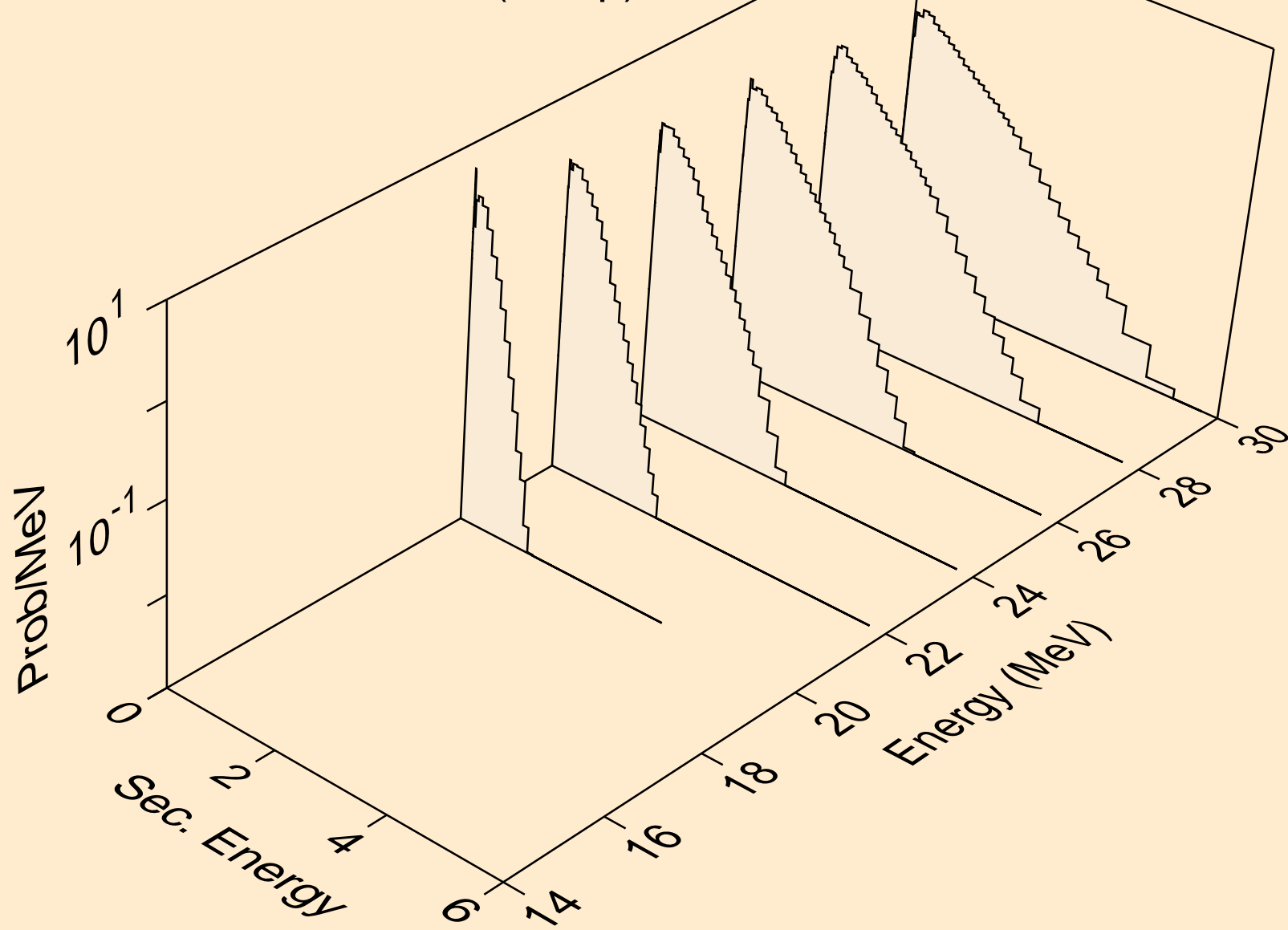
AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,4n)



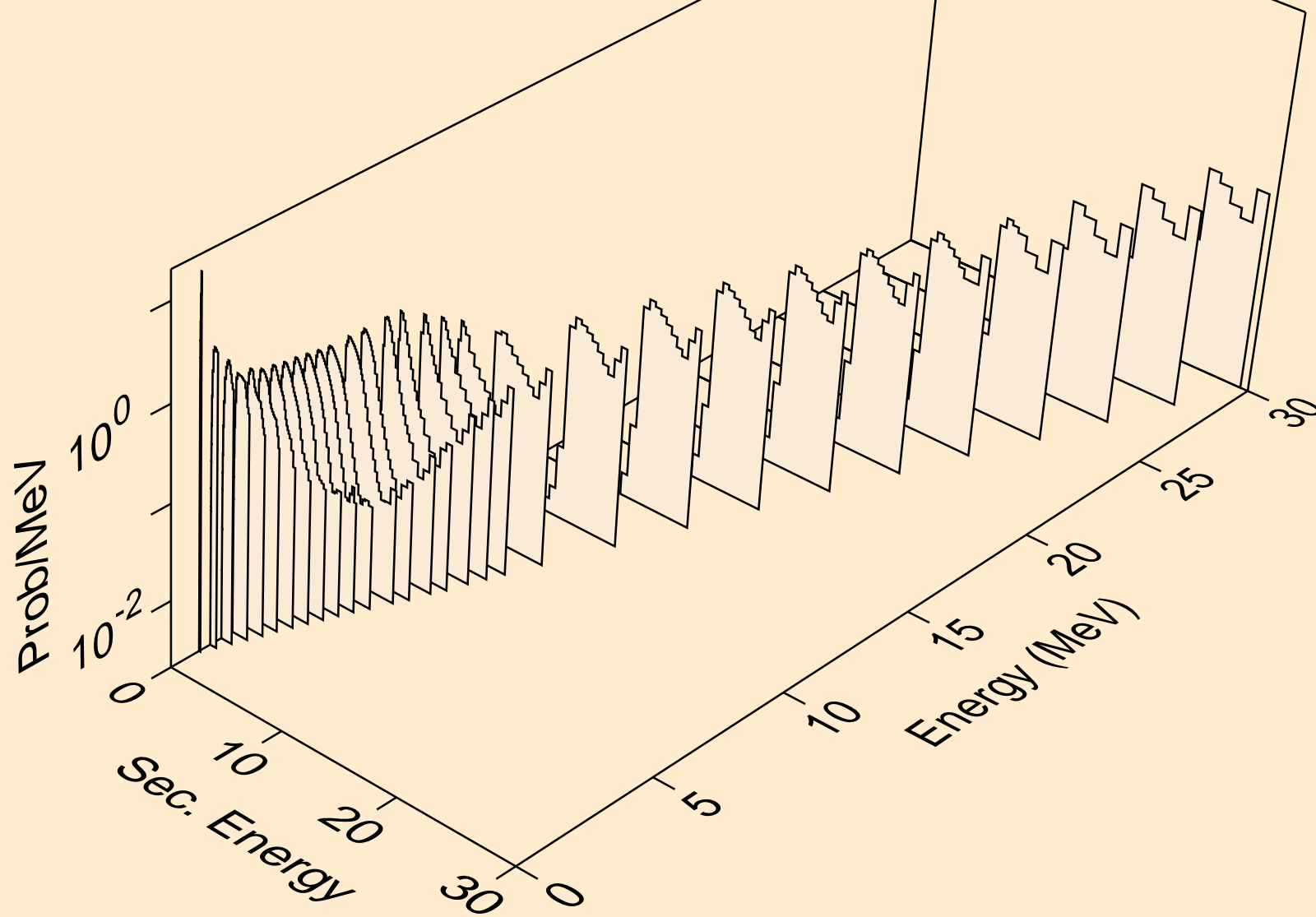
AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2np)



AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3np)

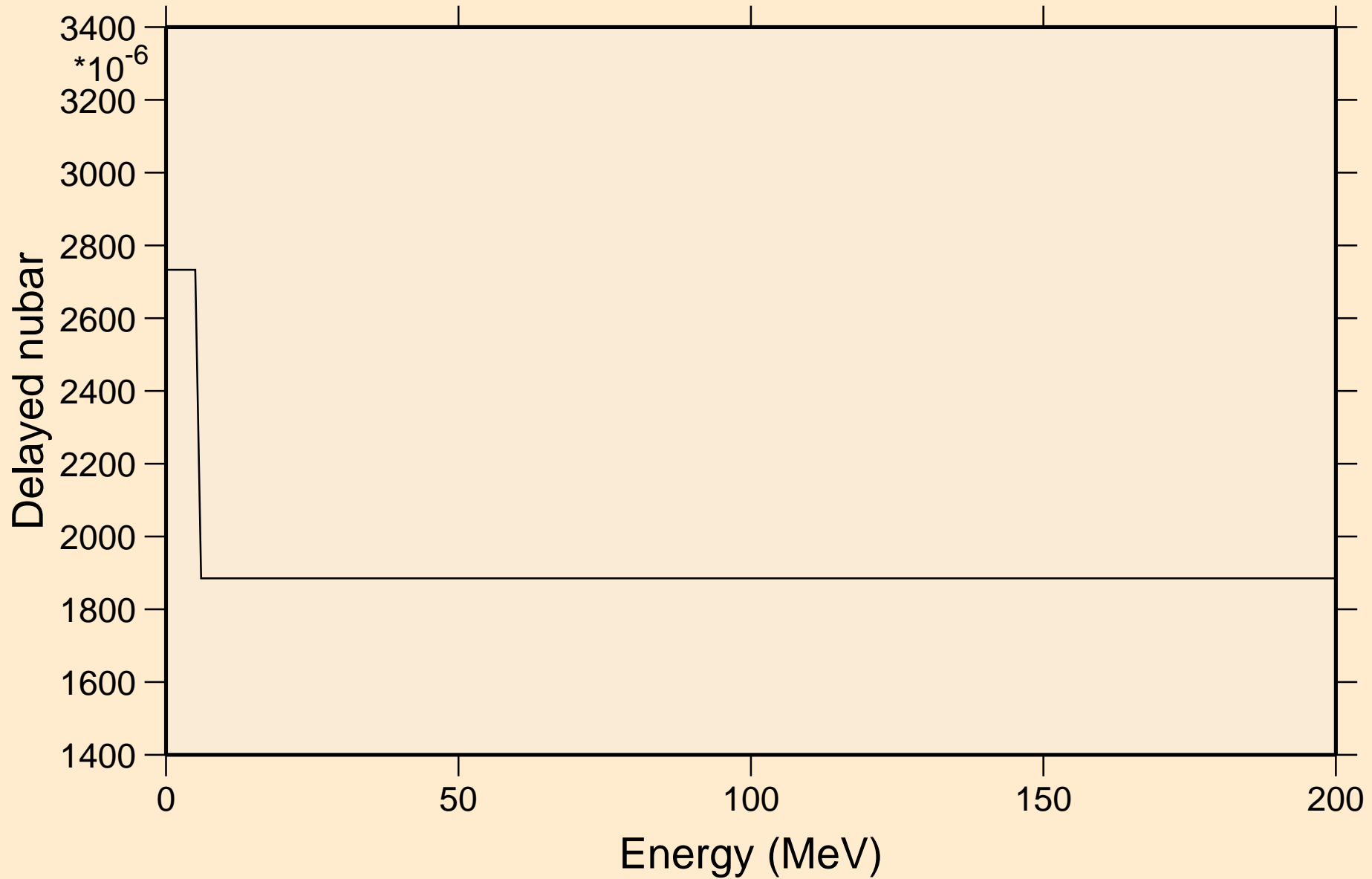


AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)



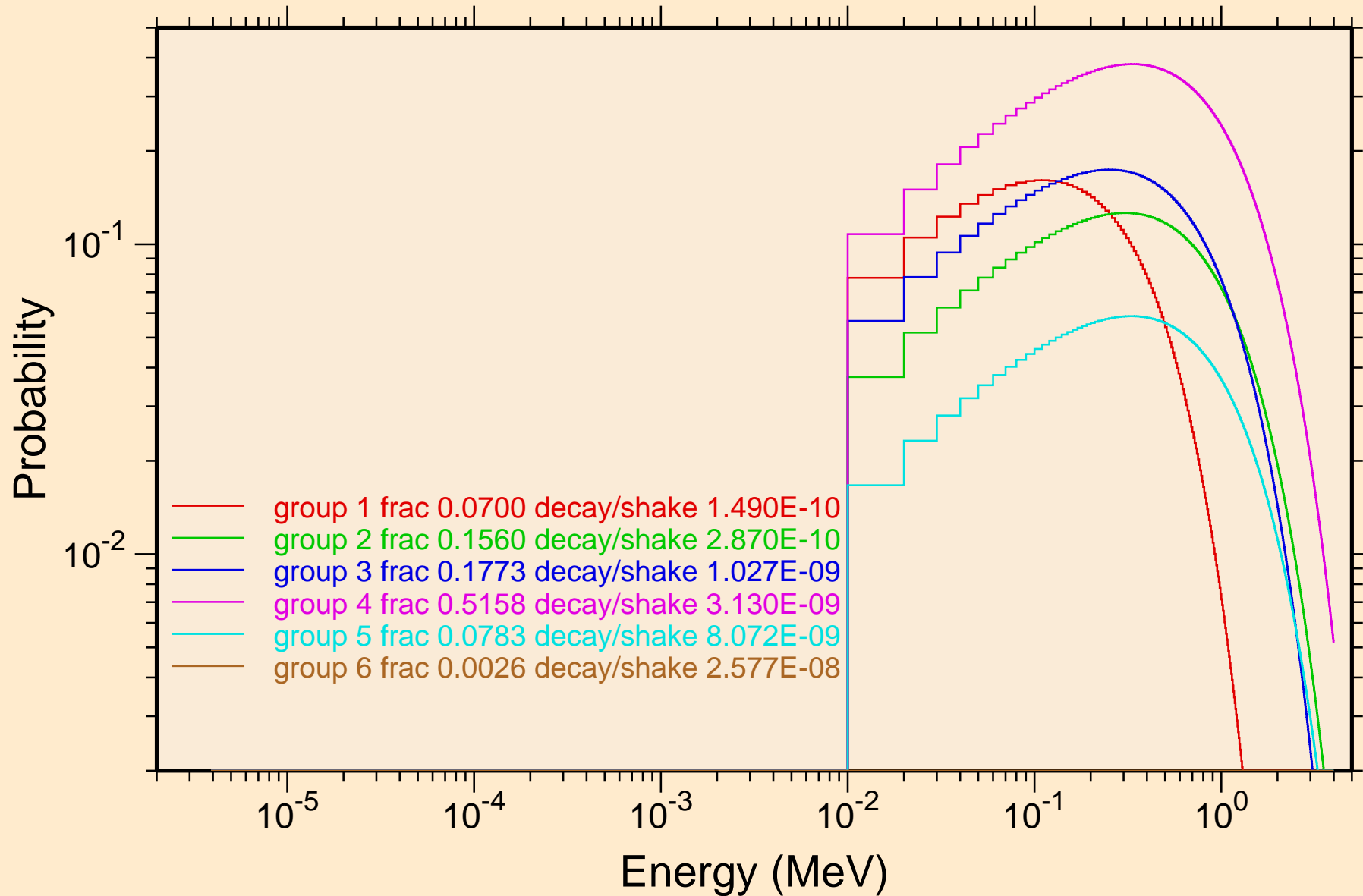
# AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Delayed nubar

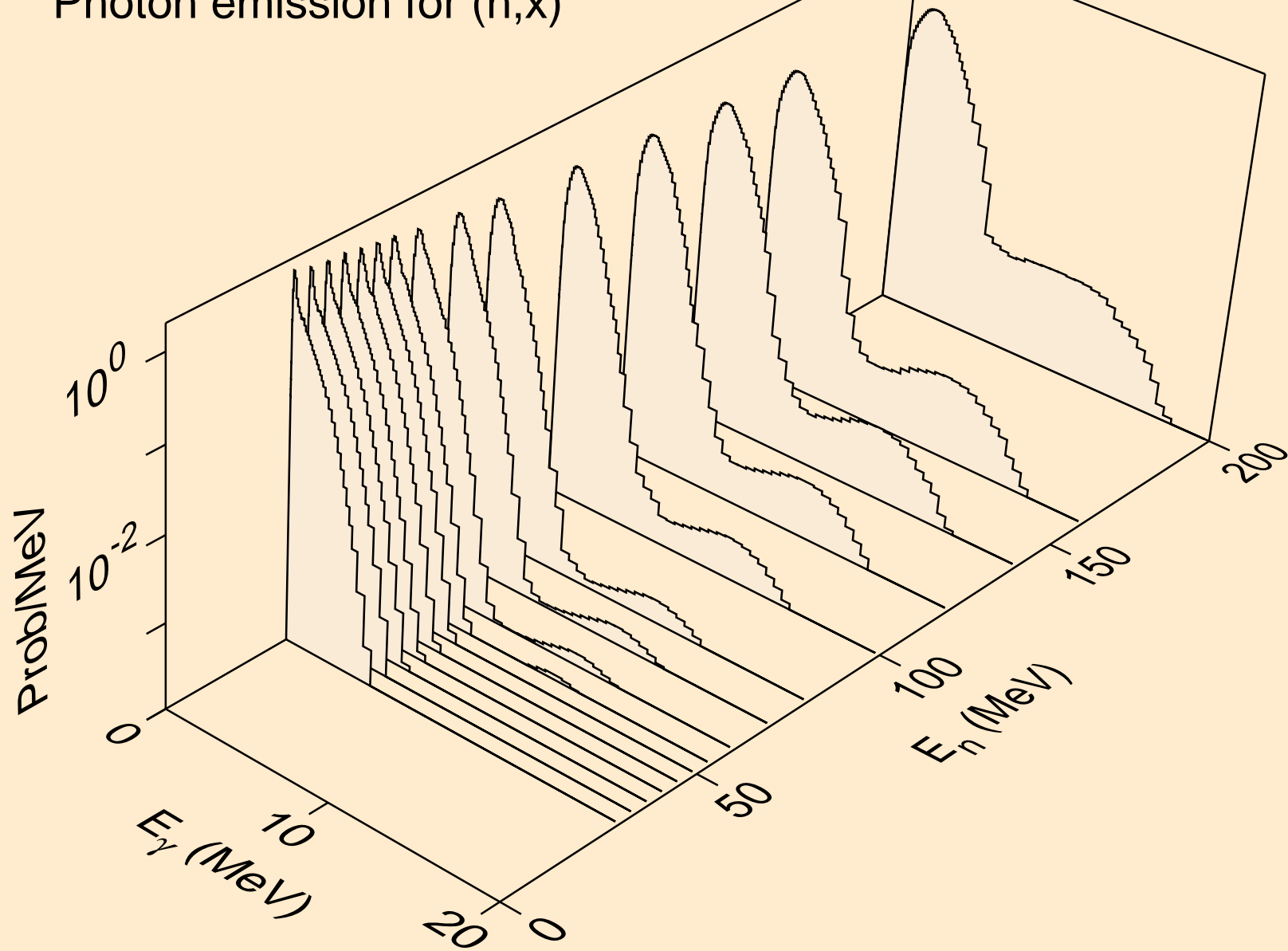


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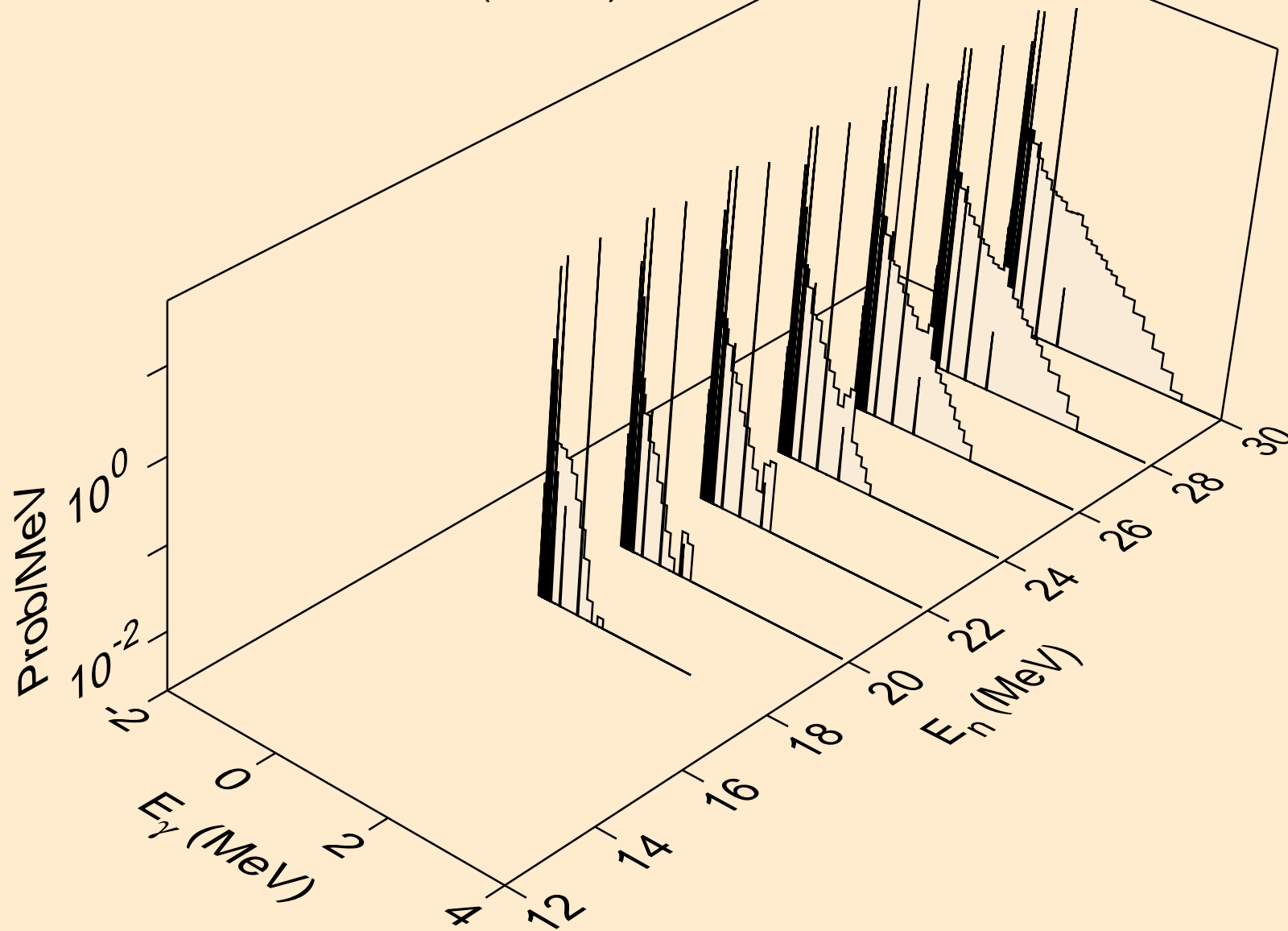
## Delayed neutron spectra



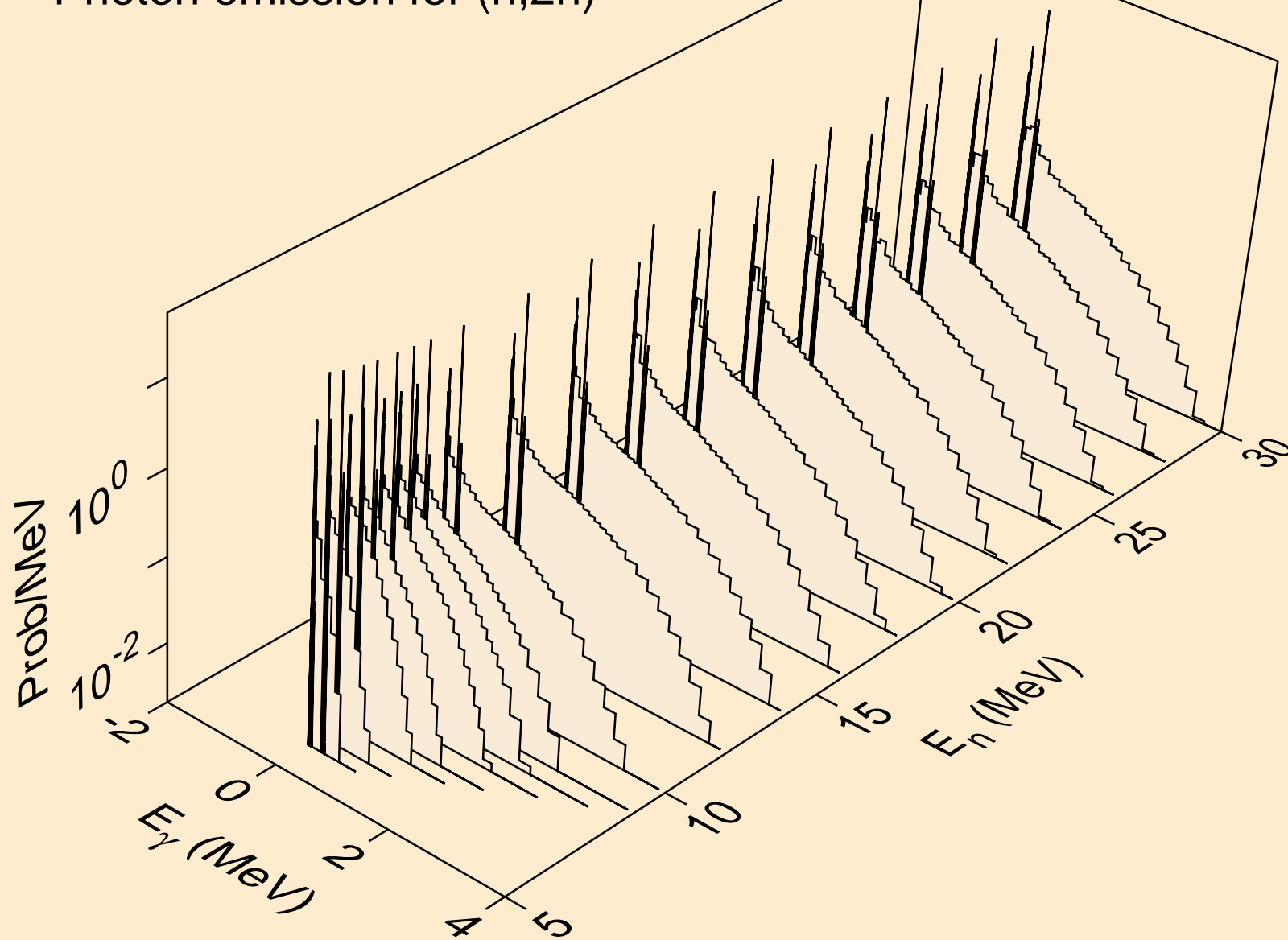
AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,x)



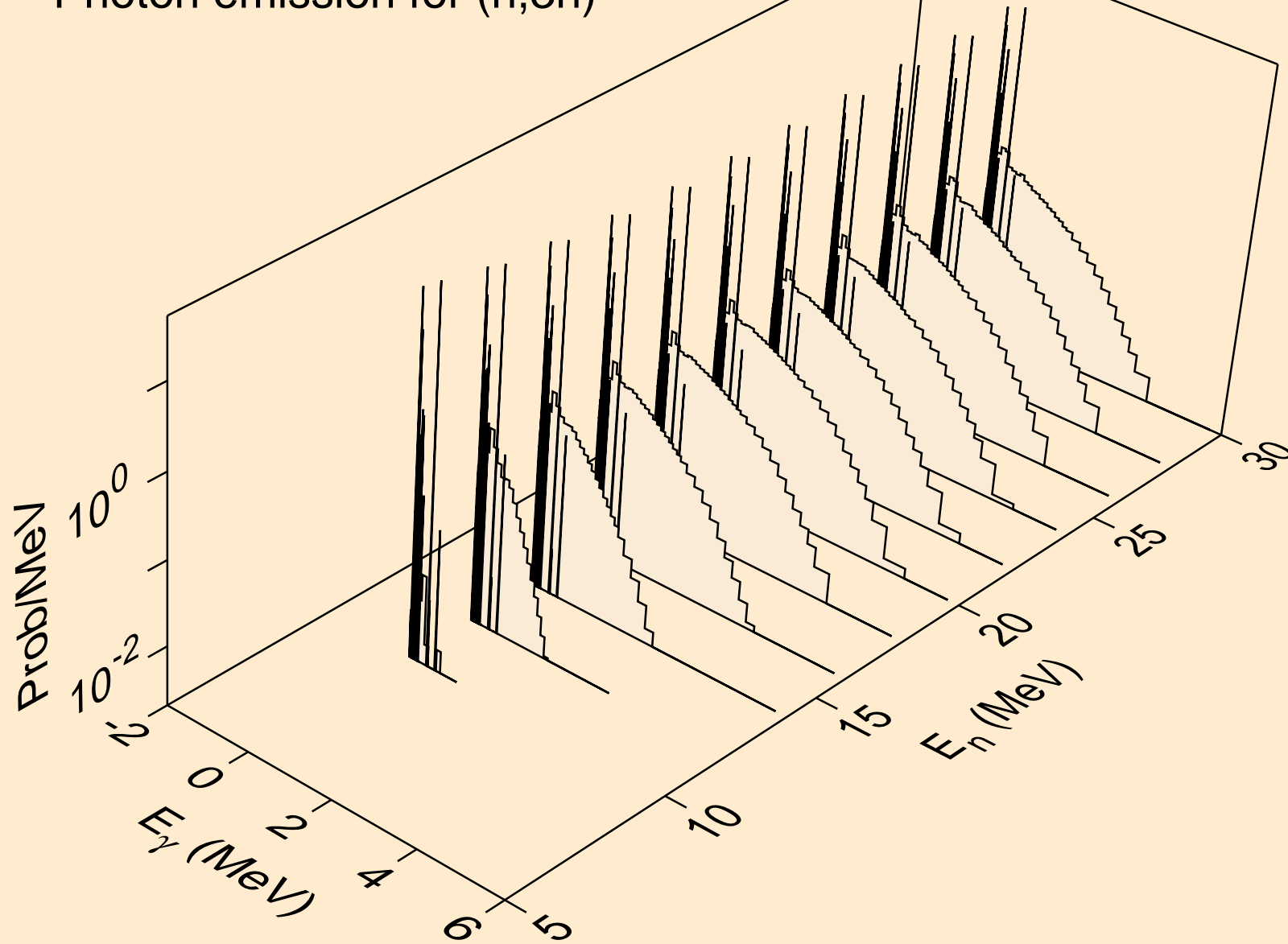
AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



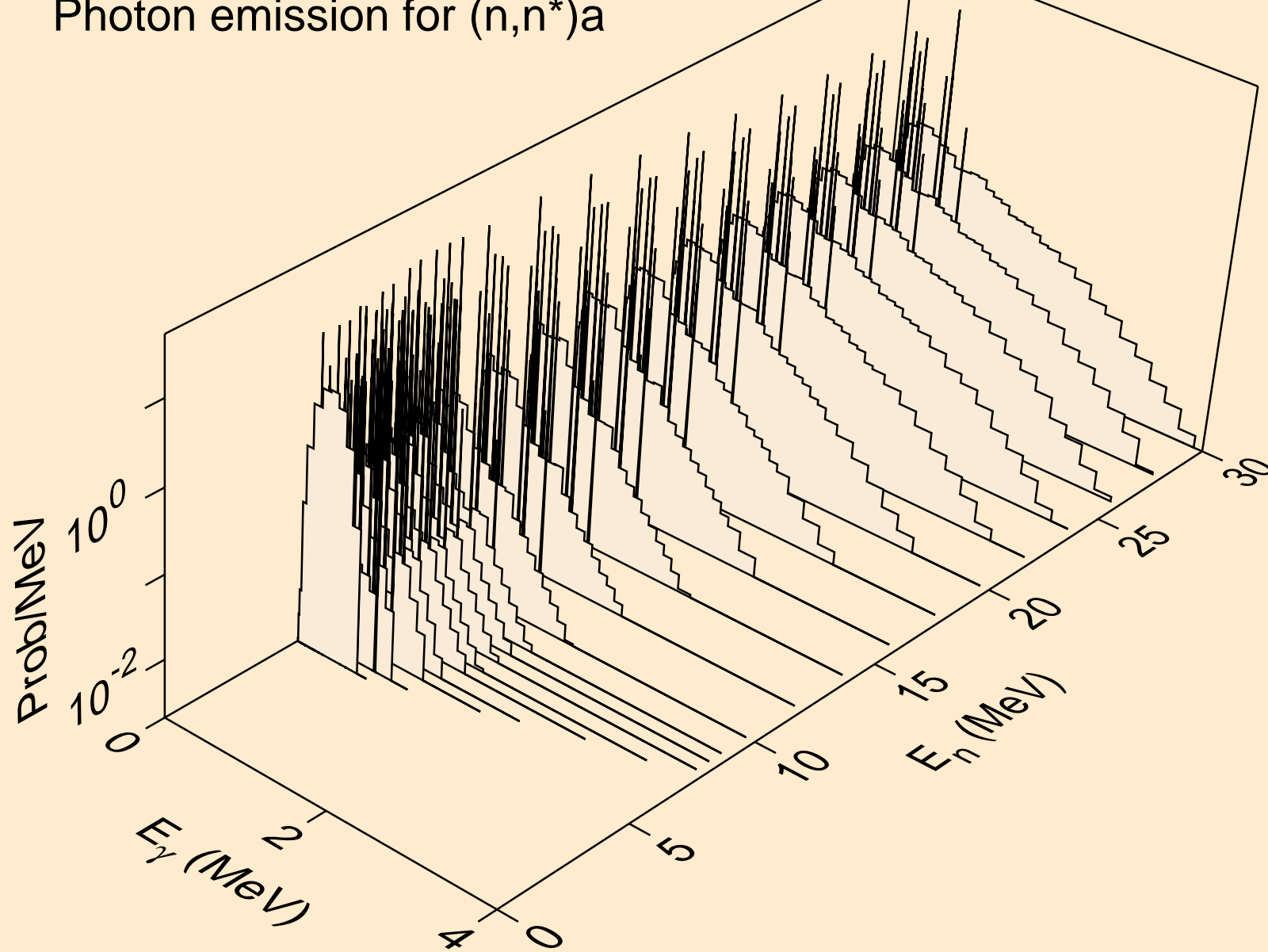
AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



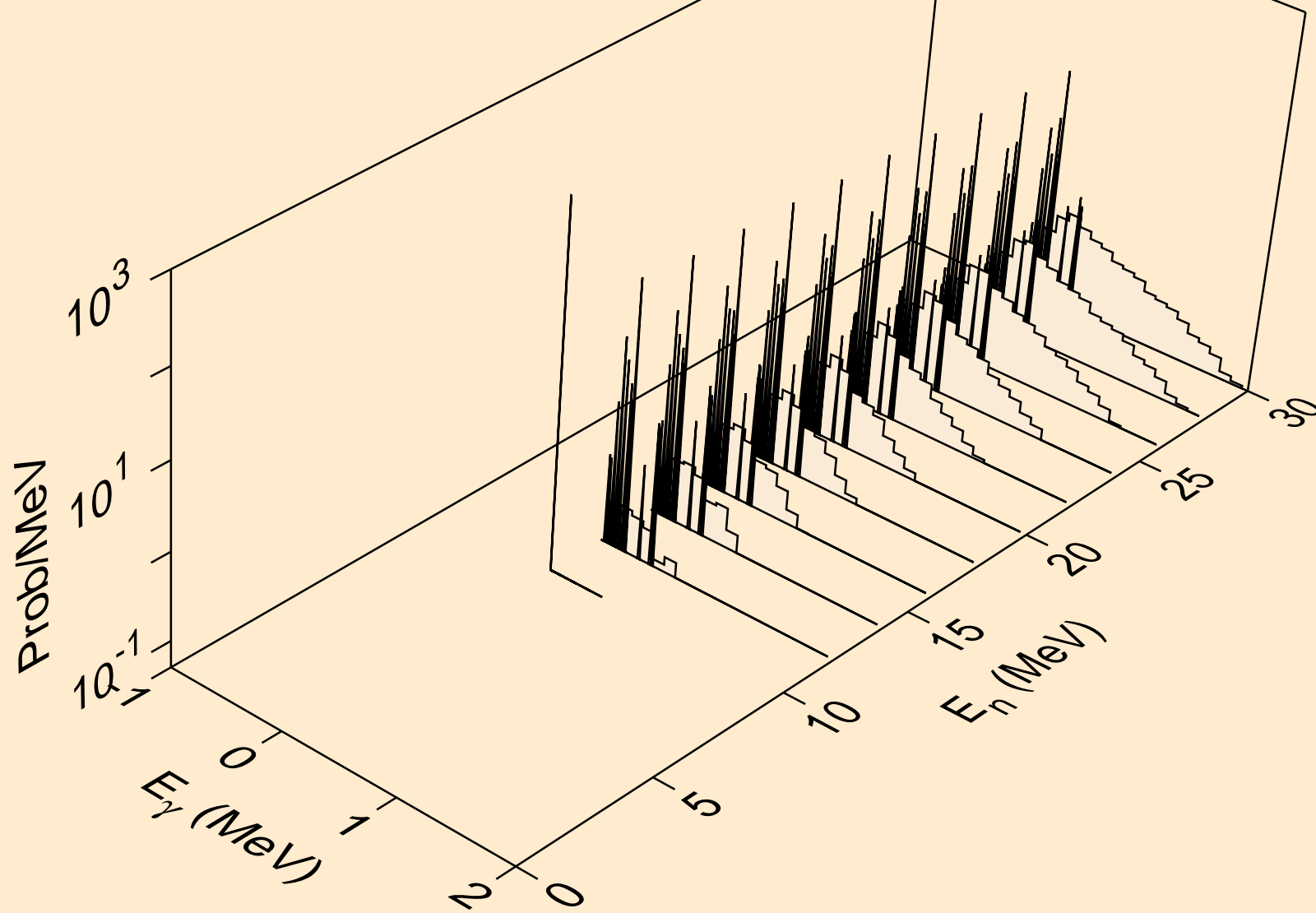
AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



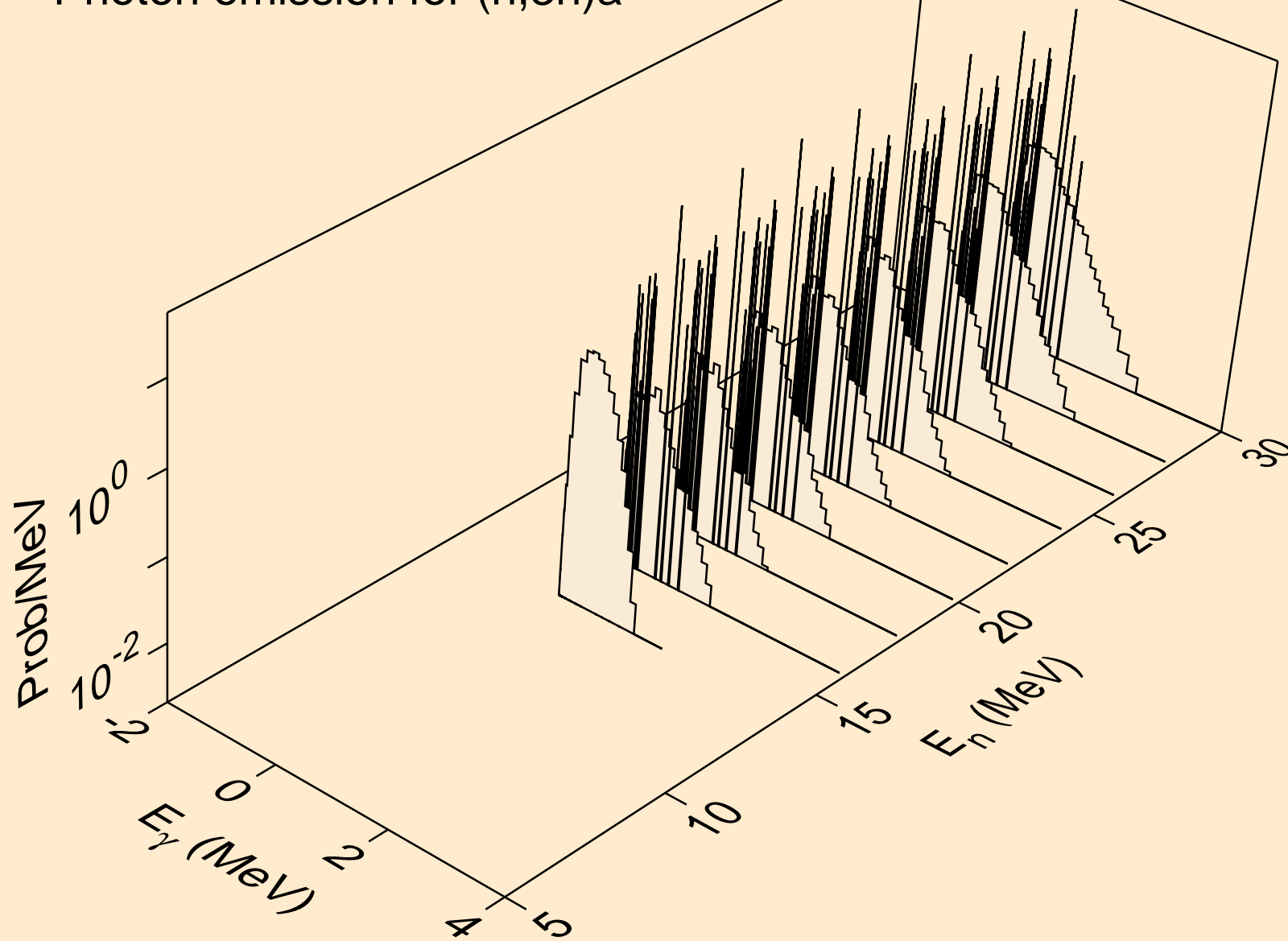
AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



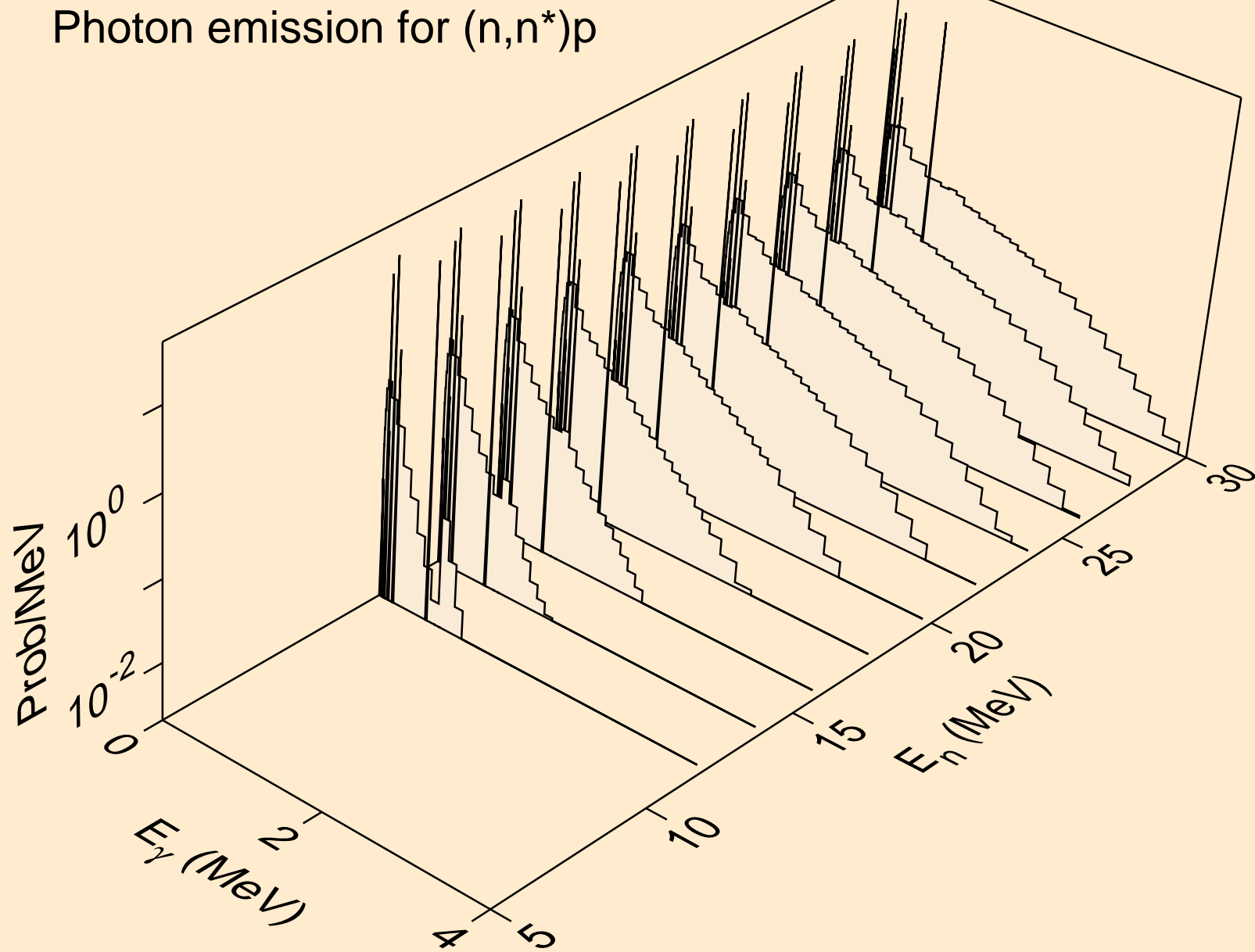
AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a



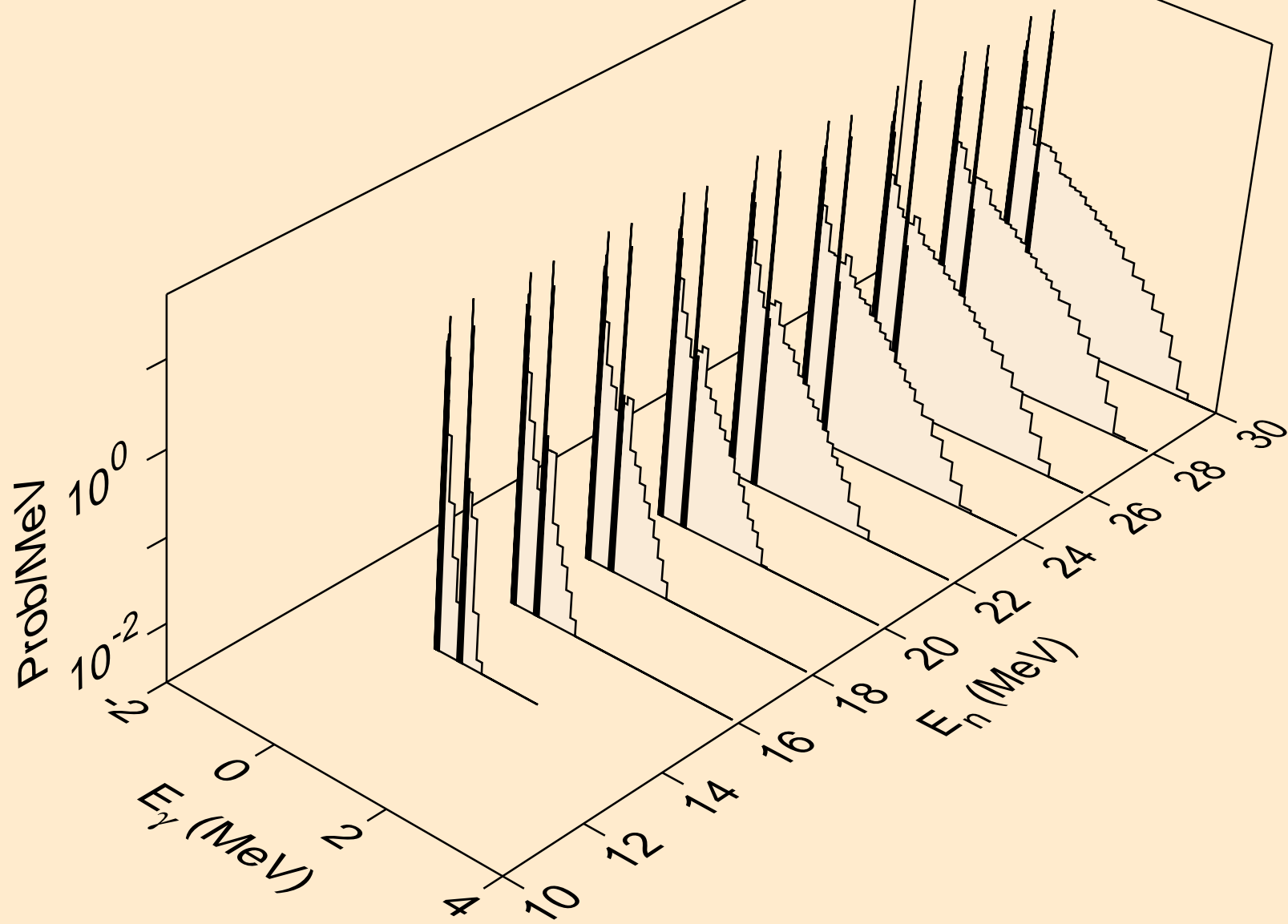
AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)a



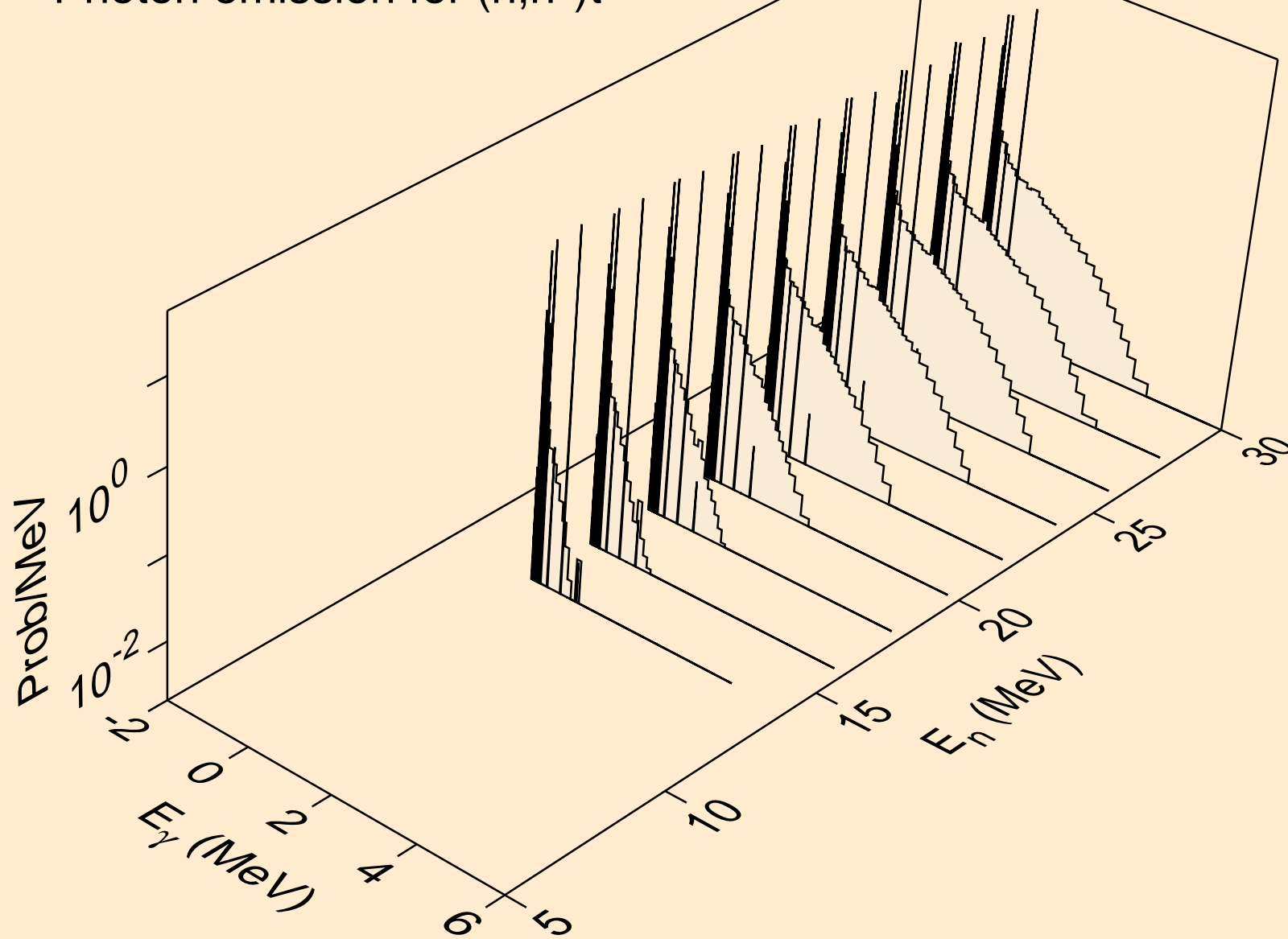
AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



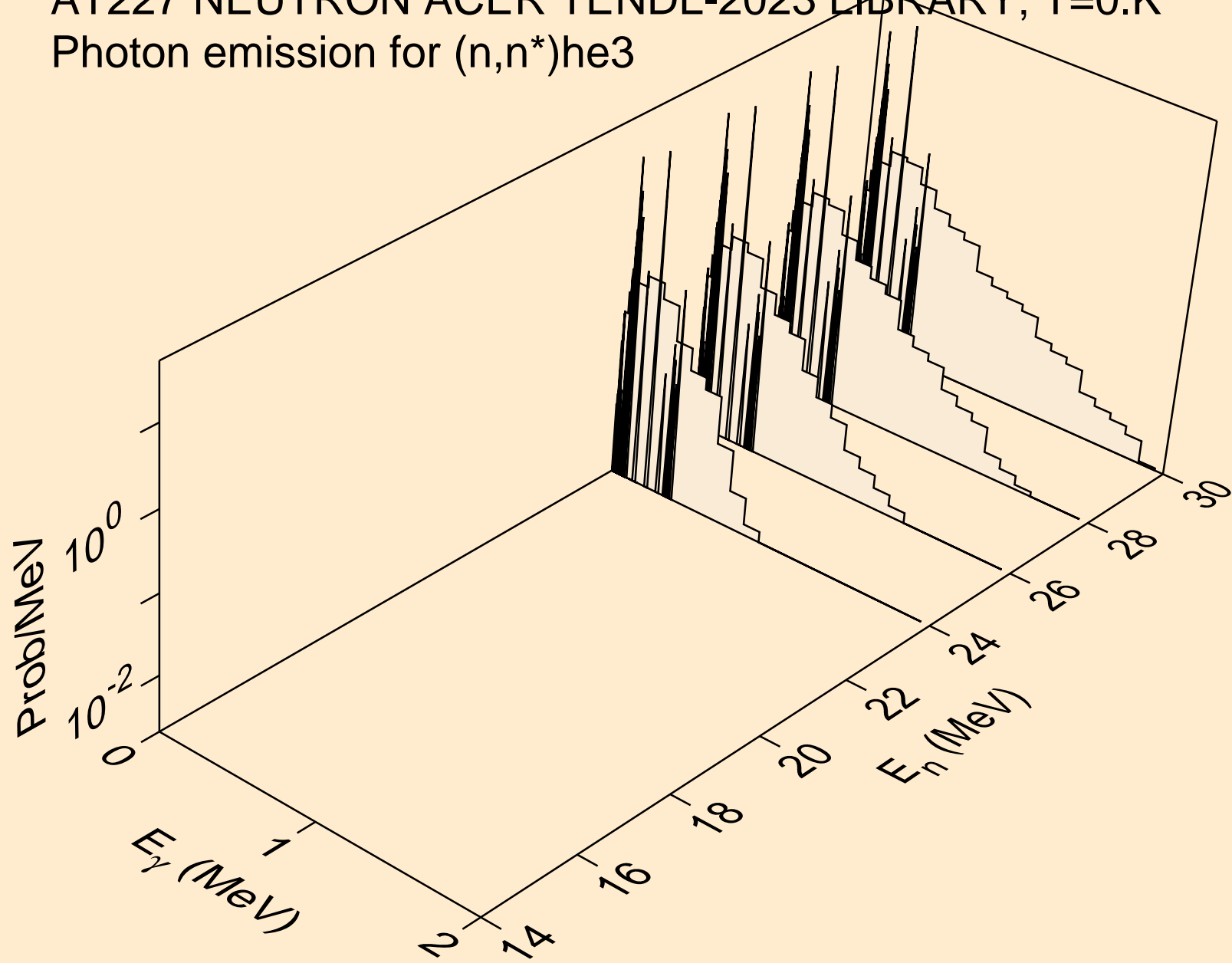
AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



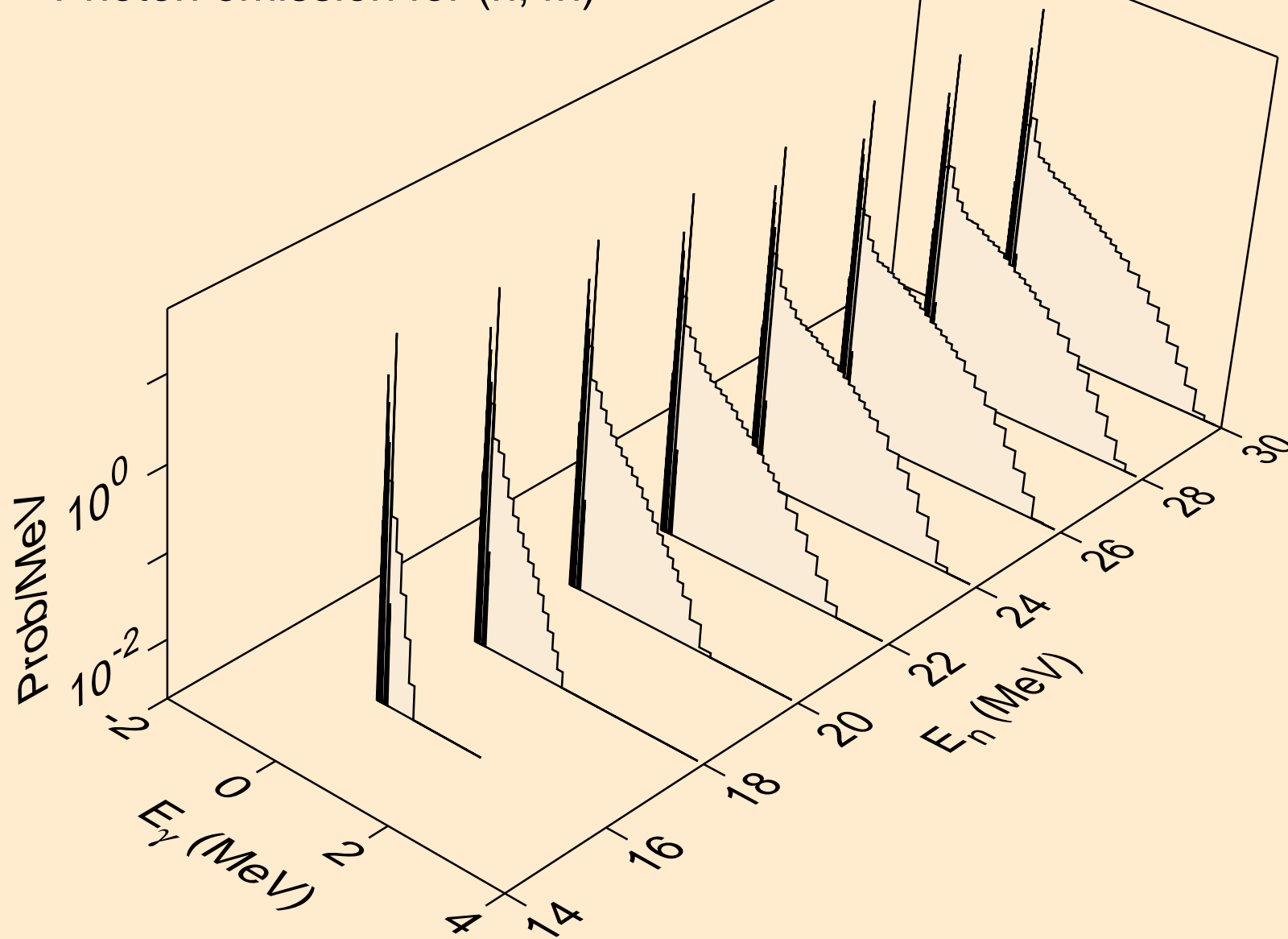
AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



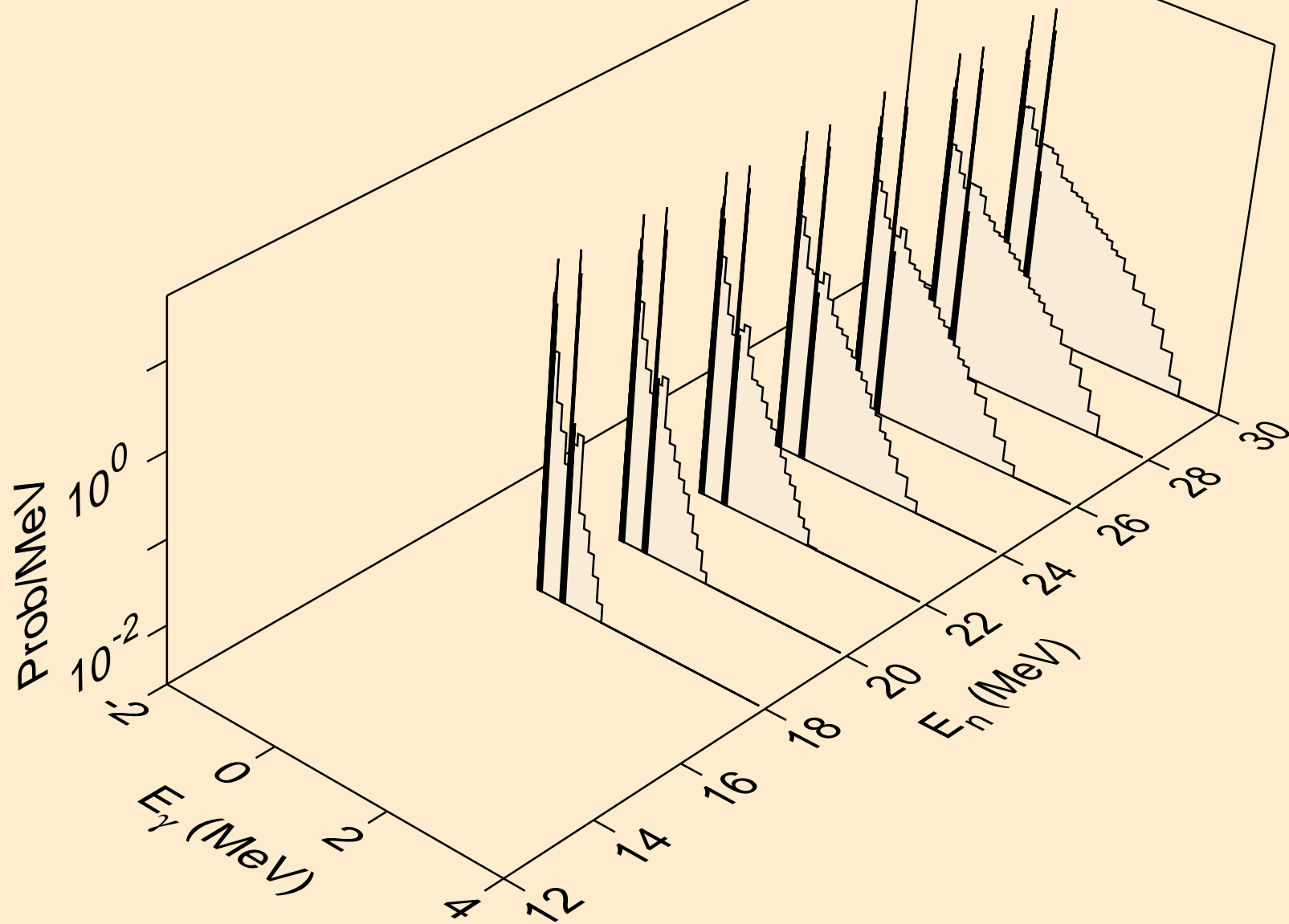
AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



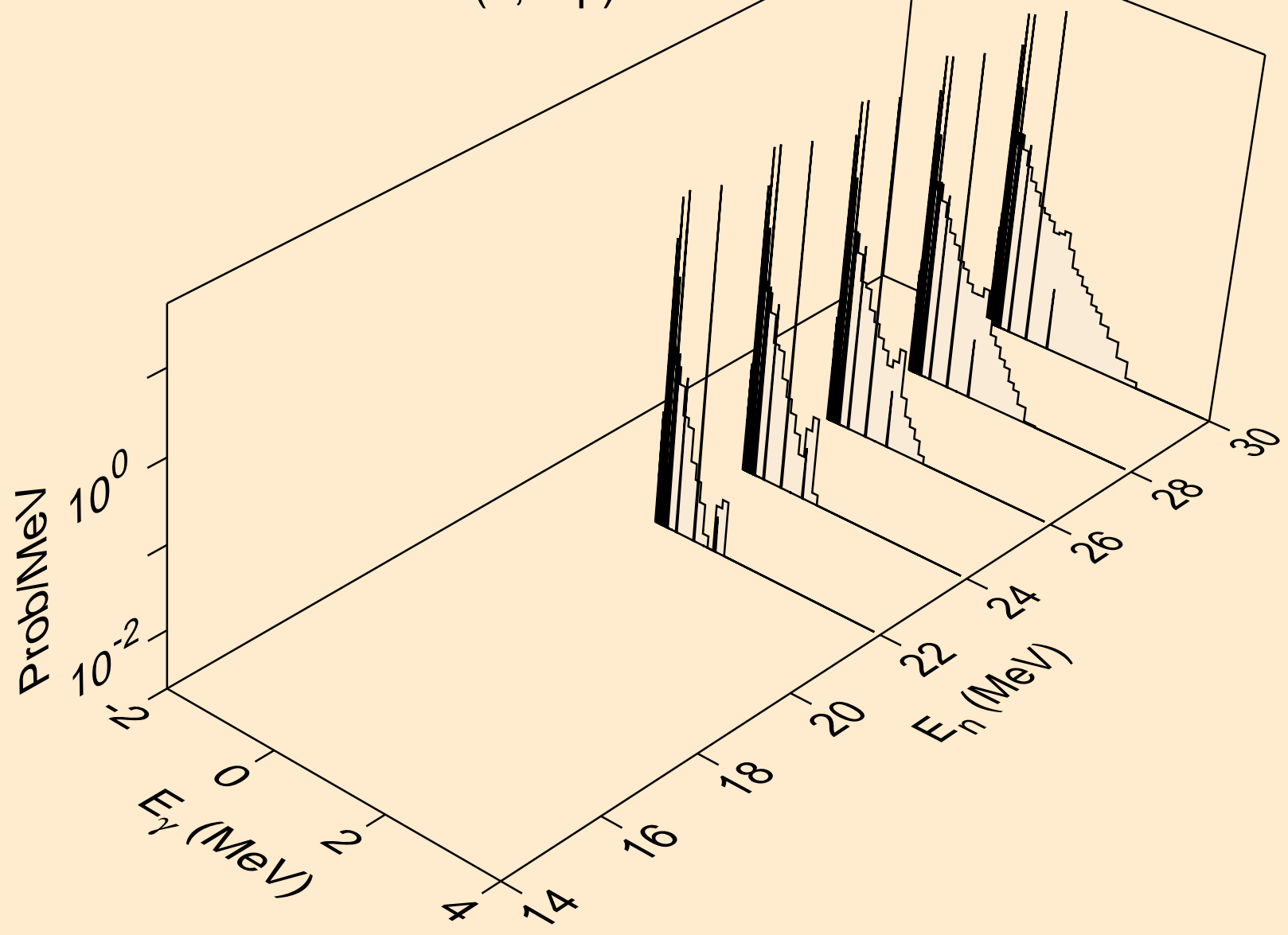
AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,4n)



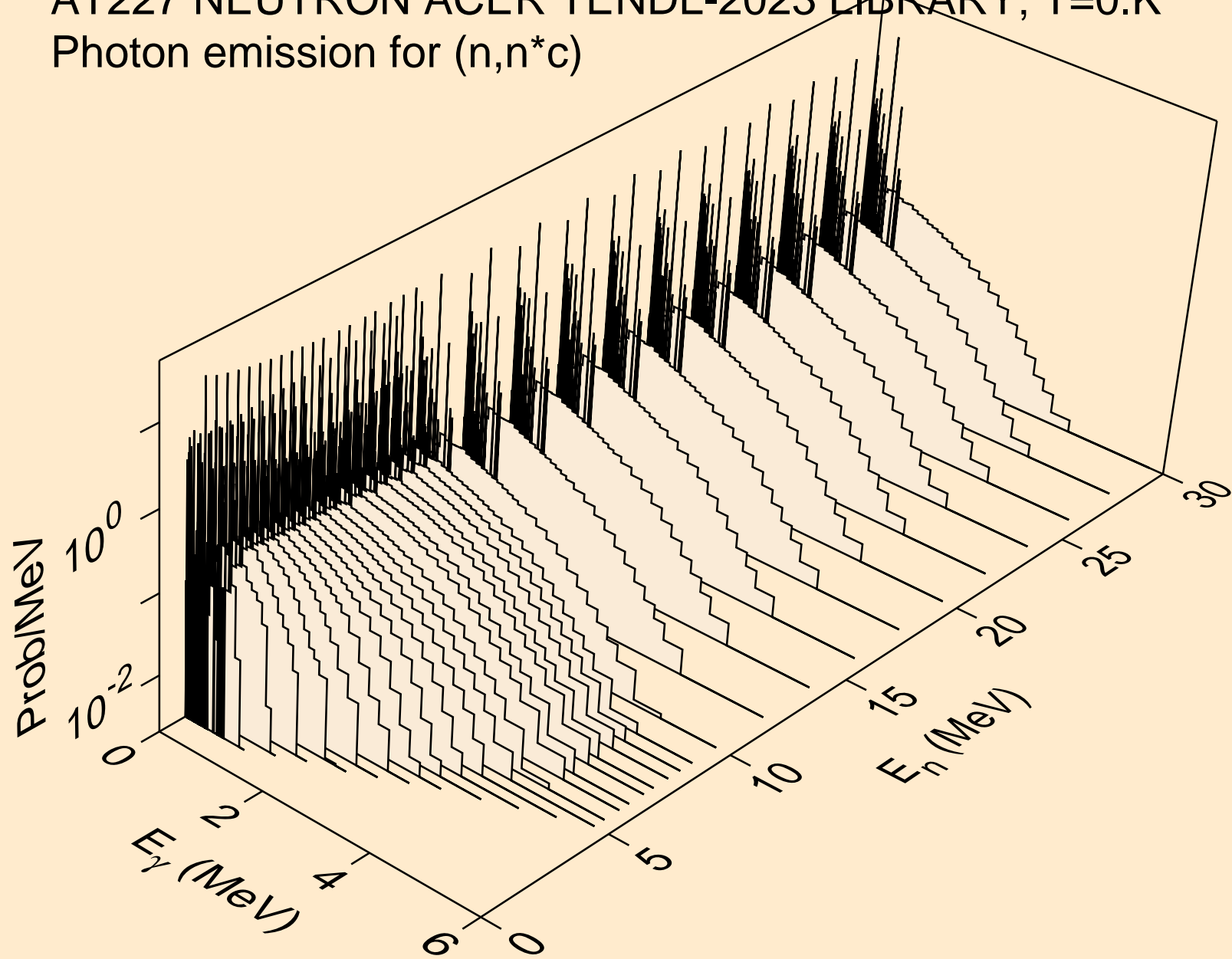
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Photon emission for (n,2np)



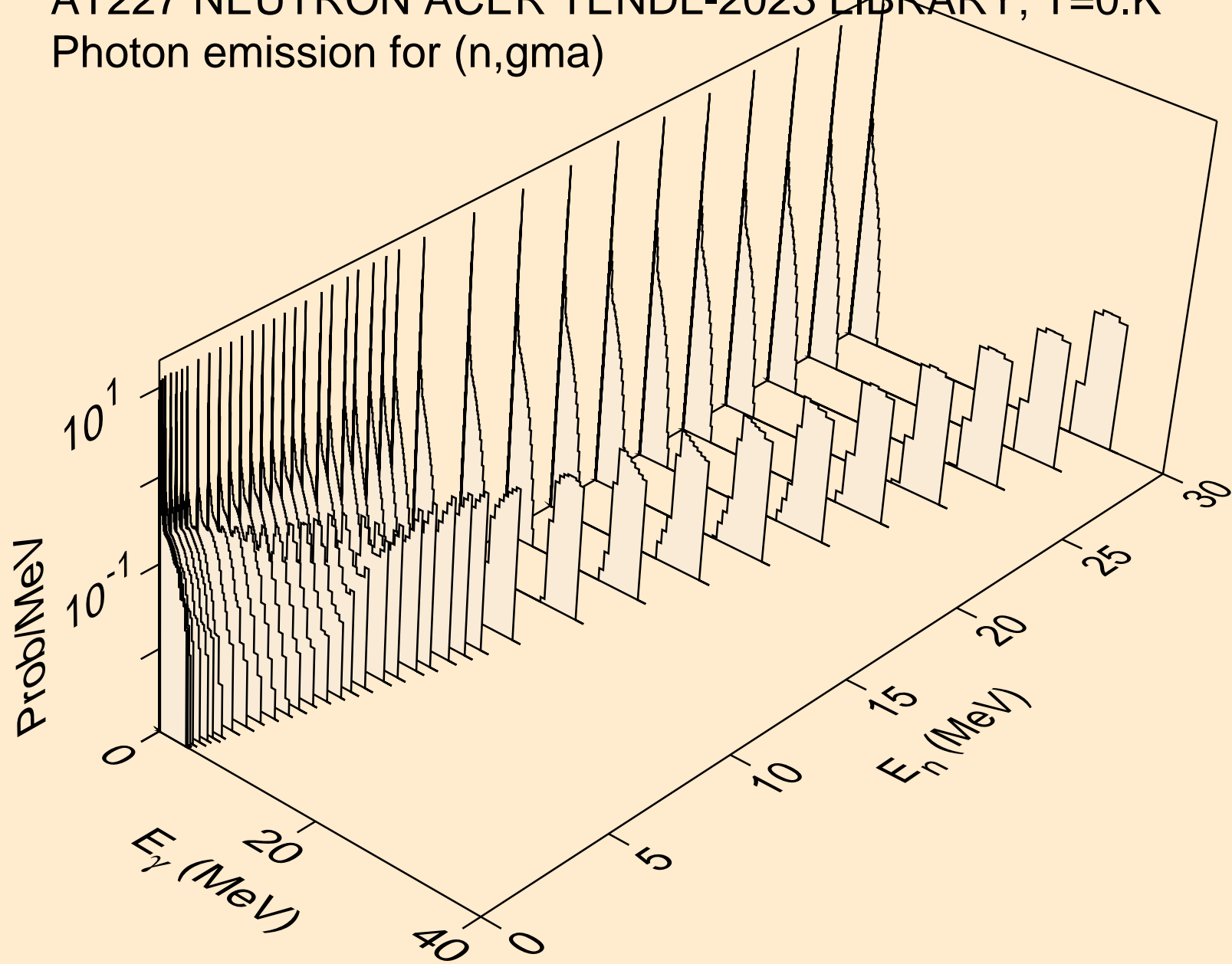
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Photon emission for (n,3np)



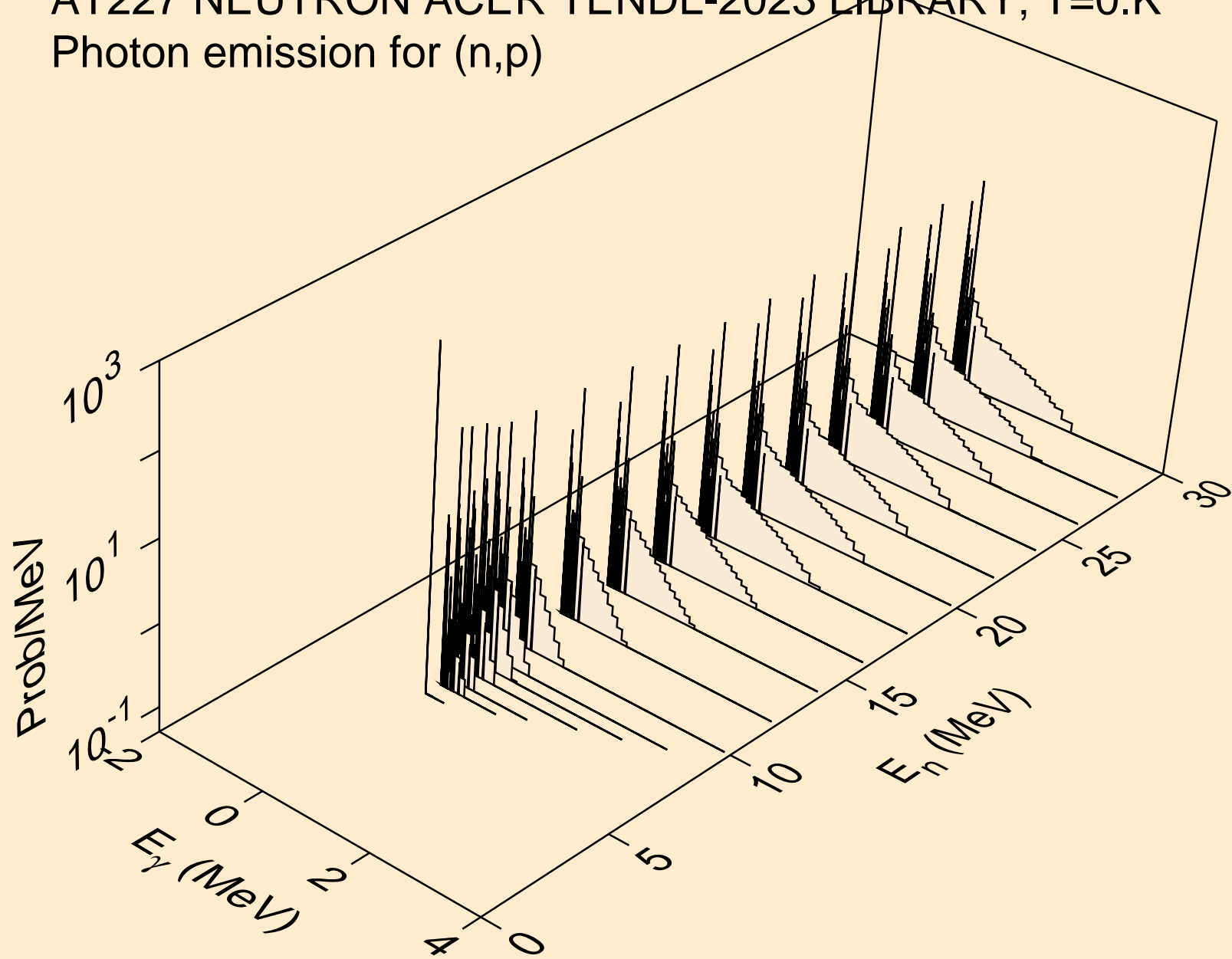
AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*c)



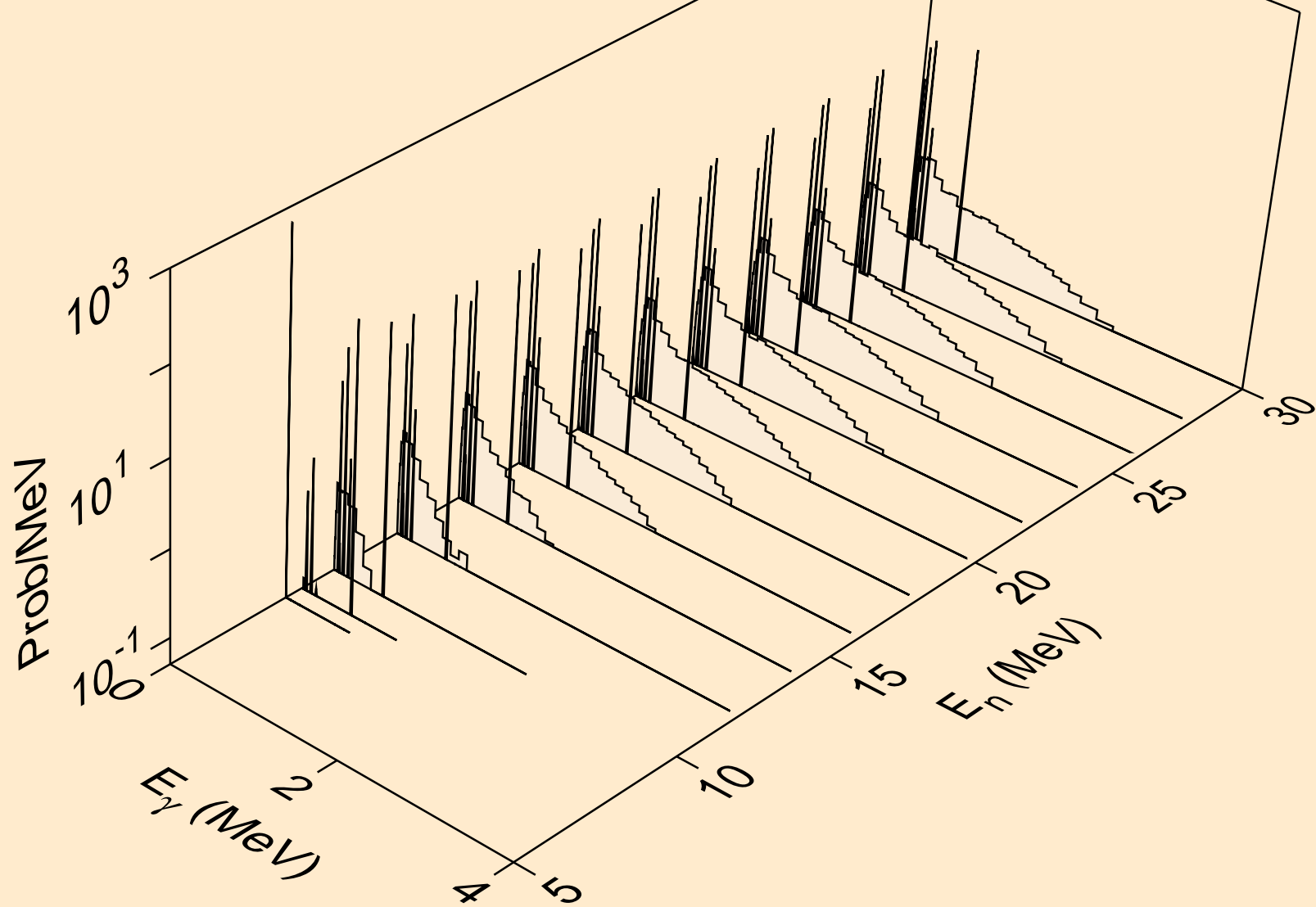
AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)



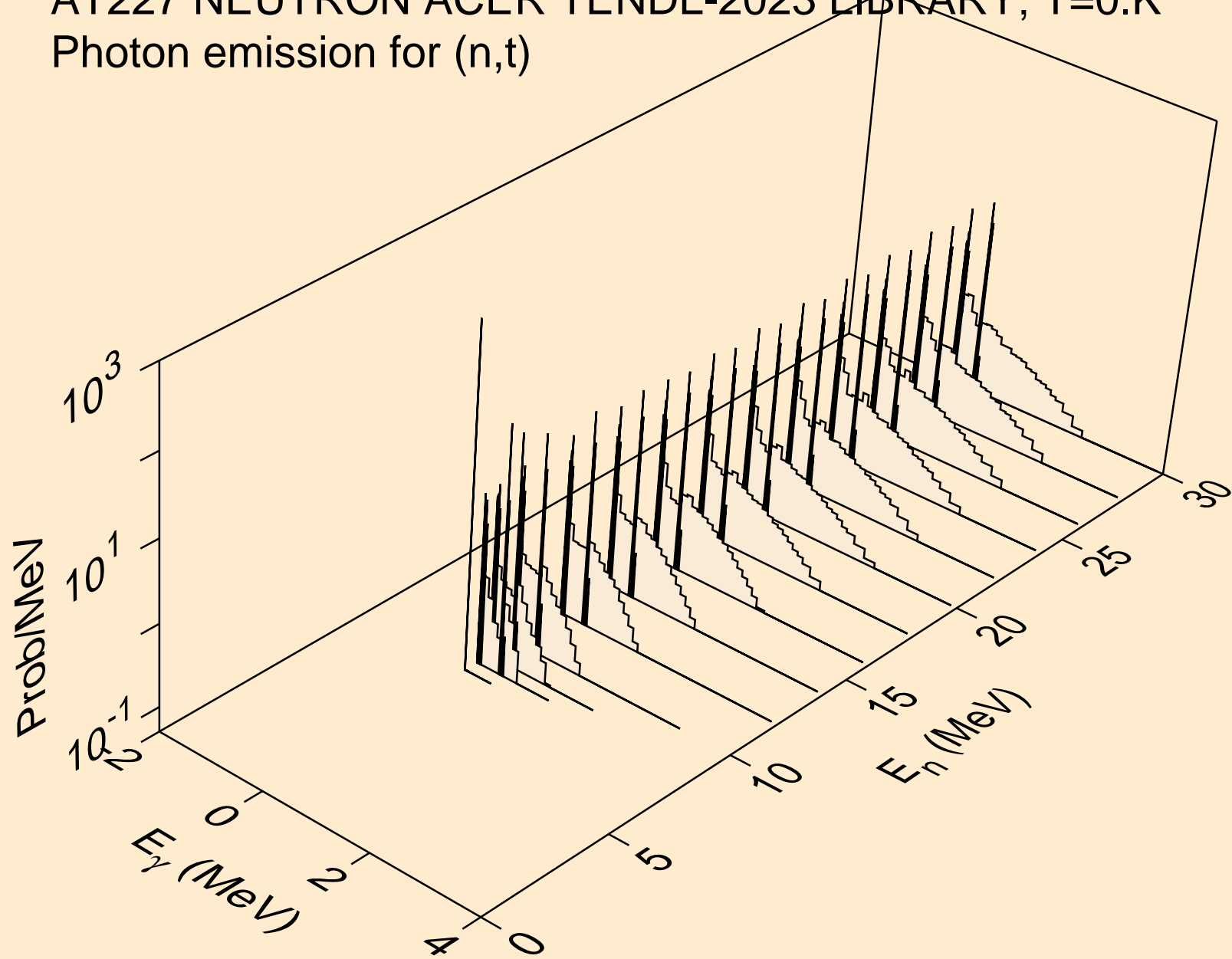
AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)



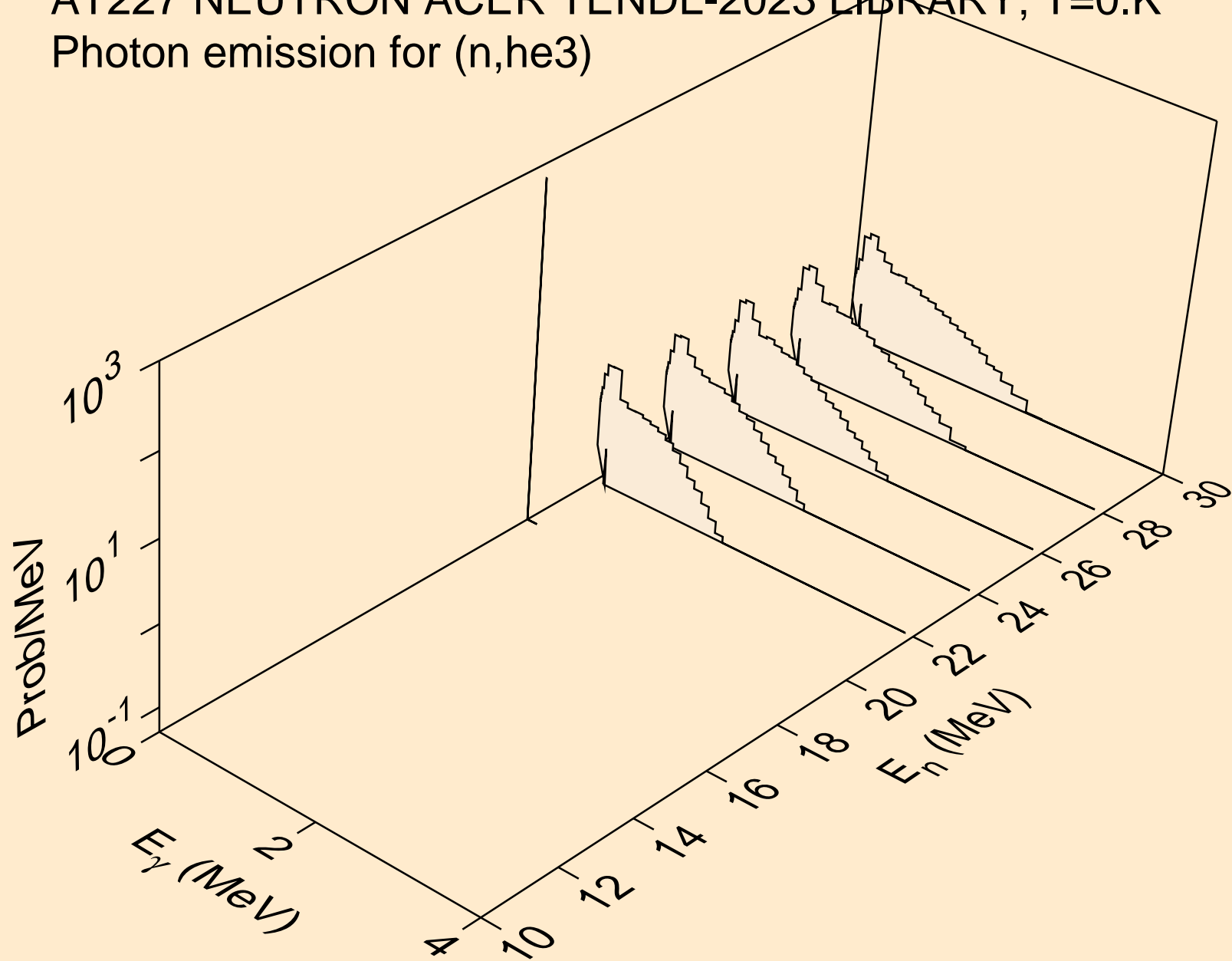
AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)



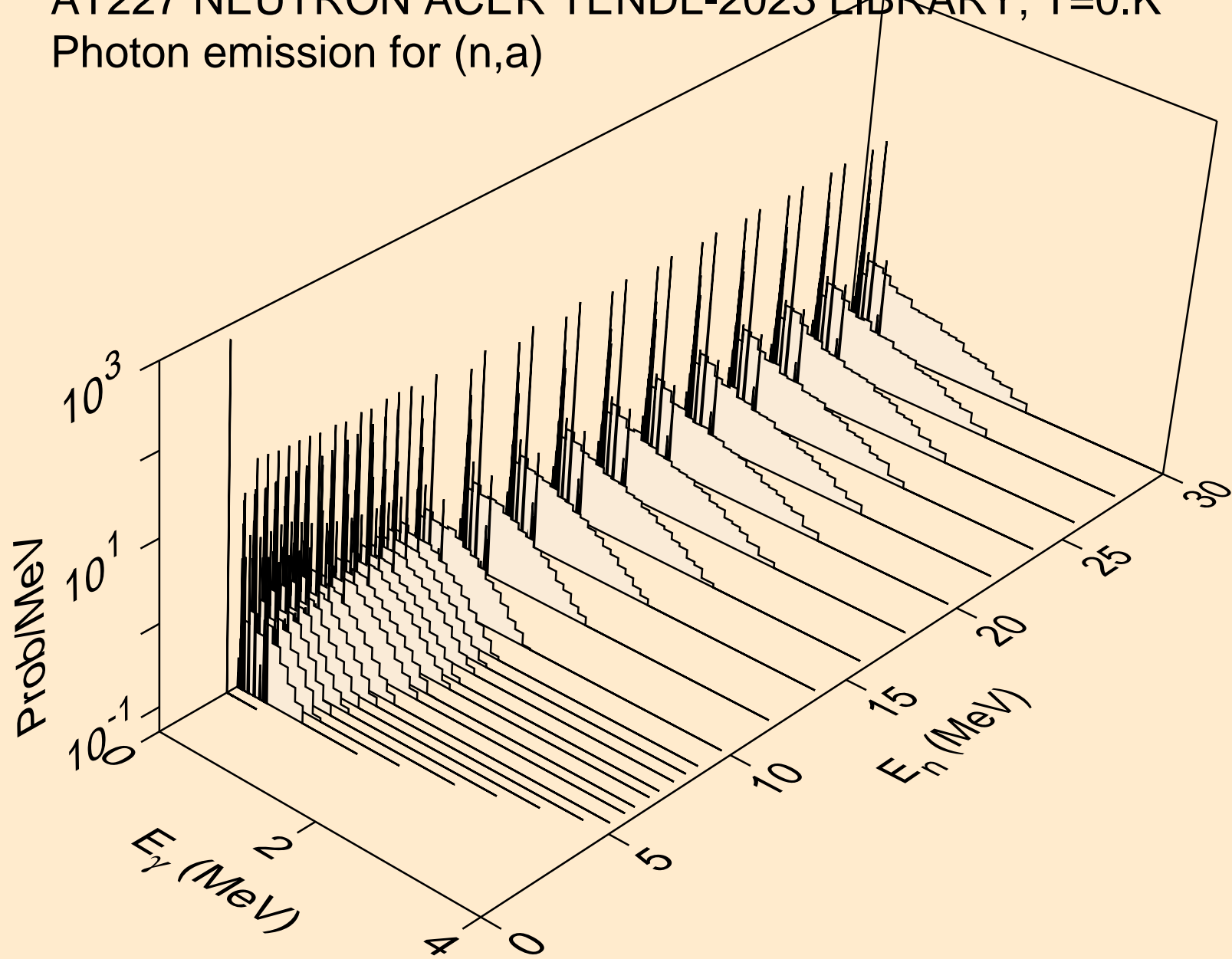
AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)



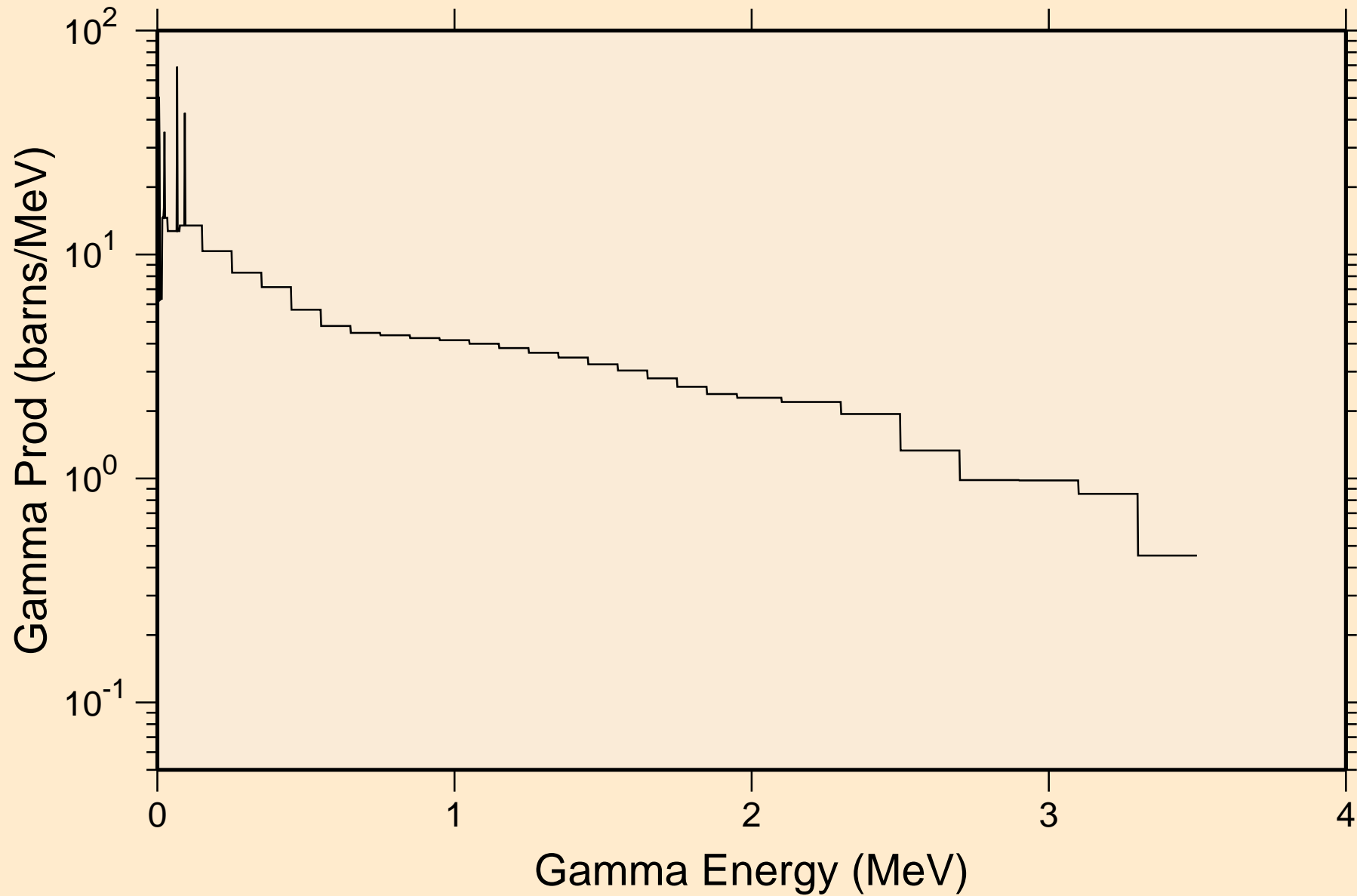
AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)



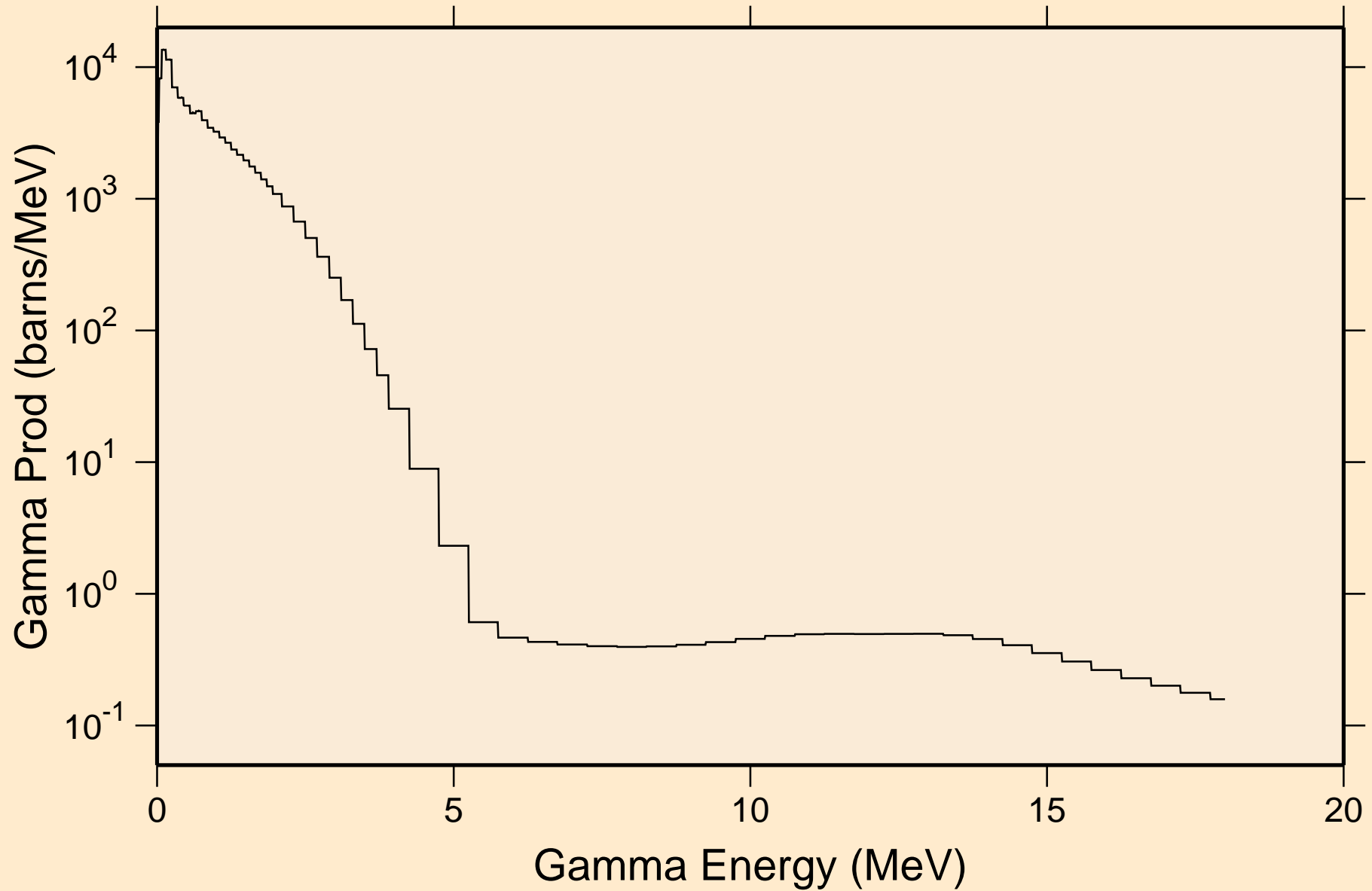
AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)



AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
thermal capture photon spectrum

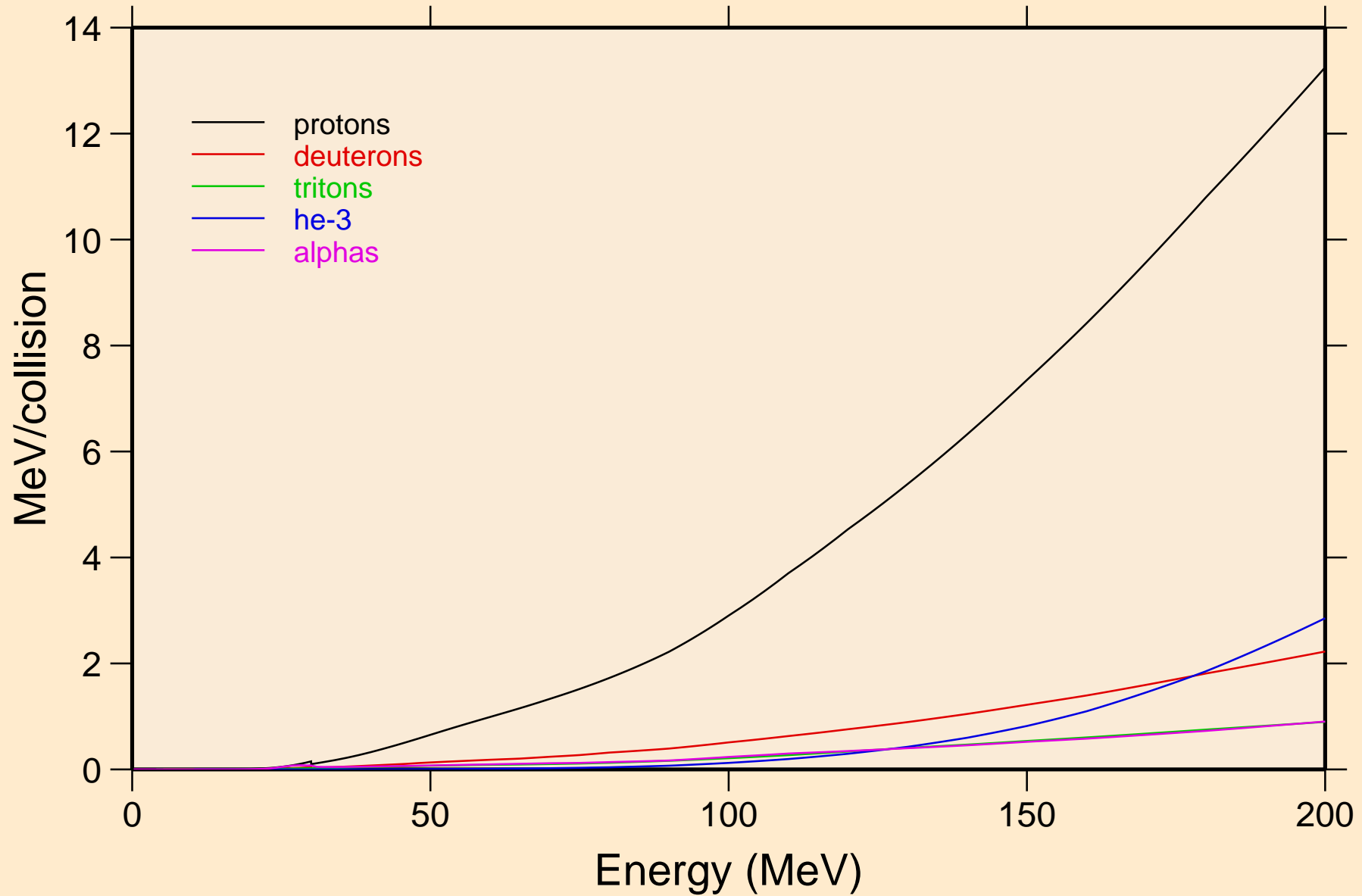


AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
14 MeV photon spectrum

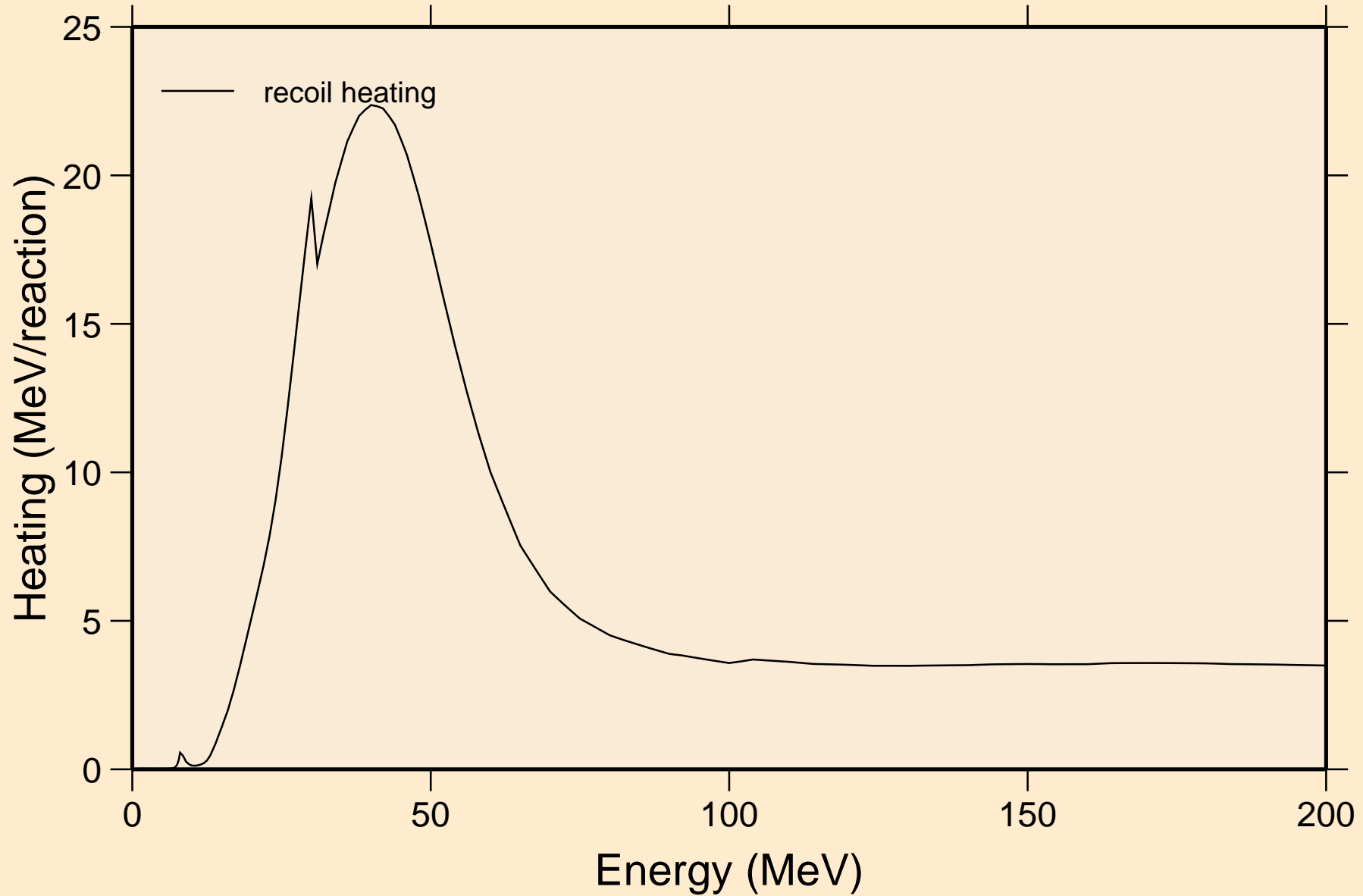


# AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Particle heating contributions

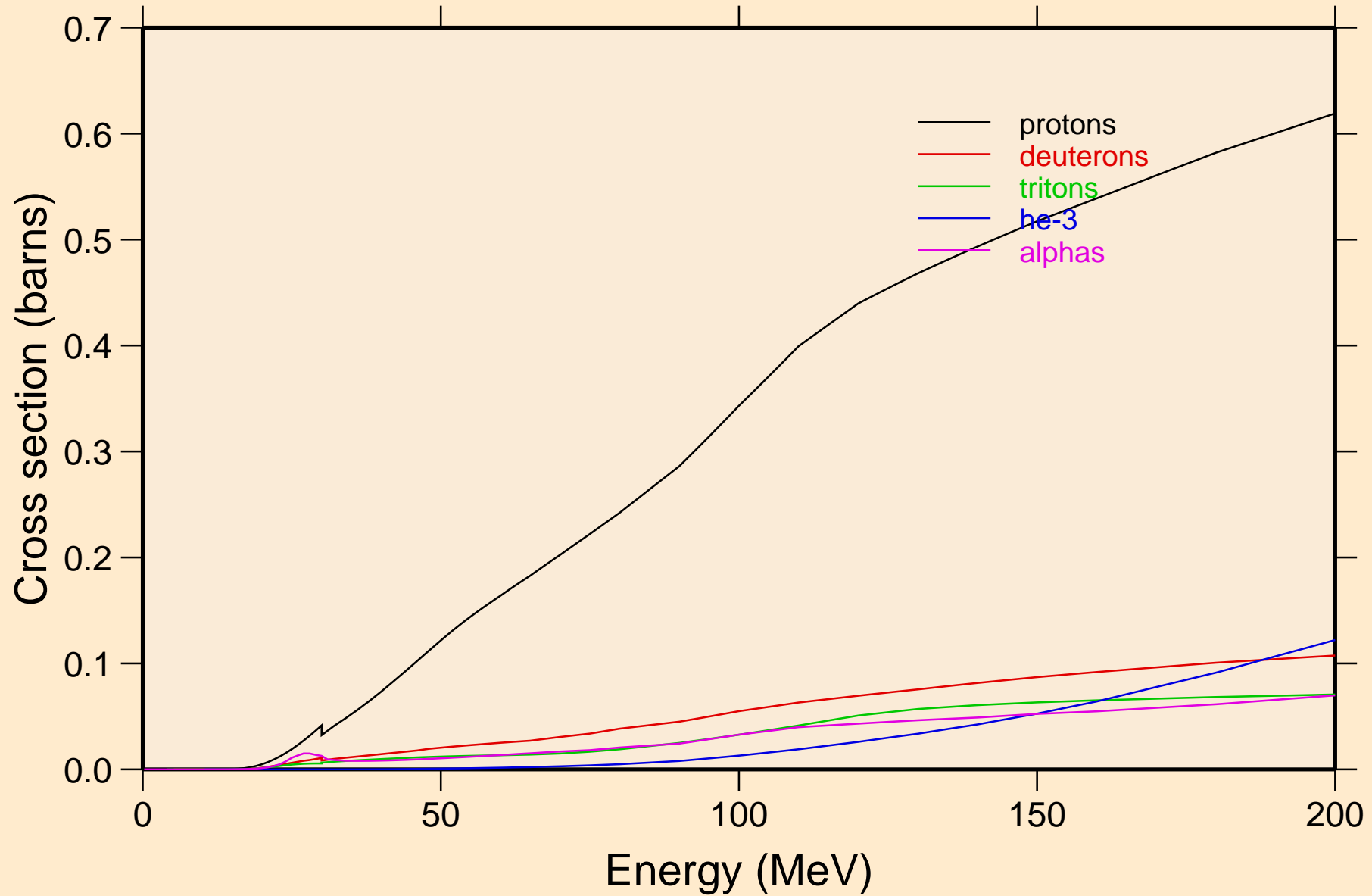


AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating

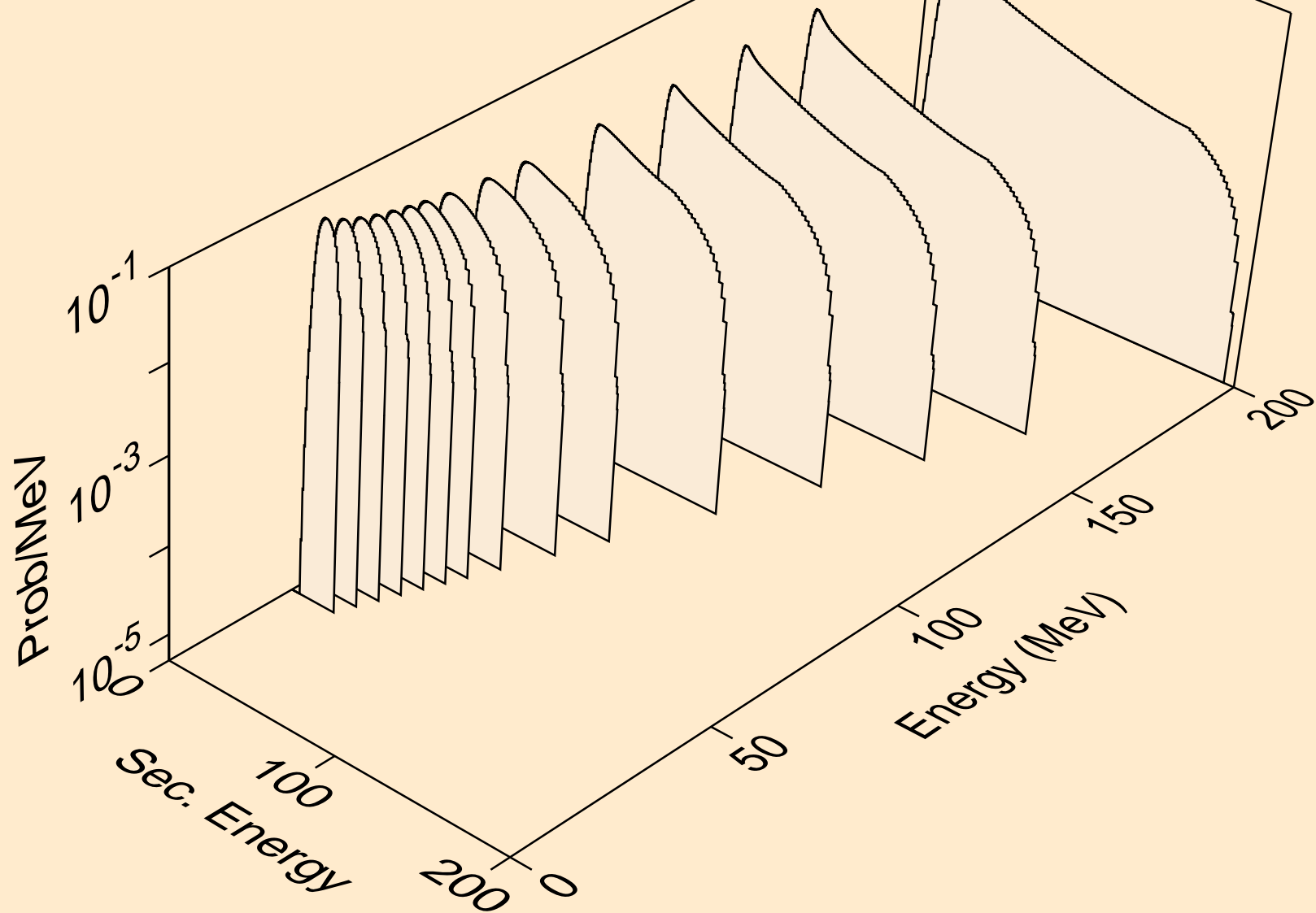


# AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

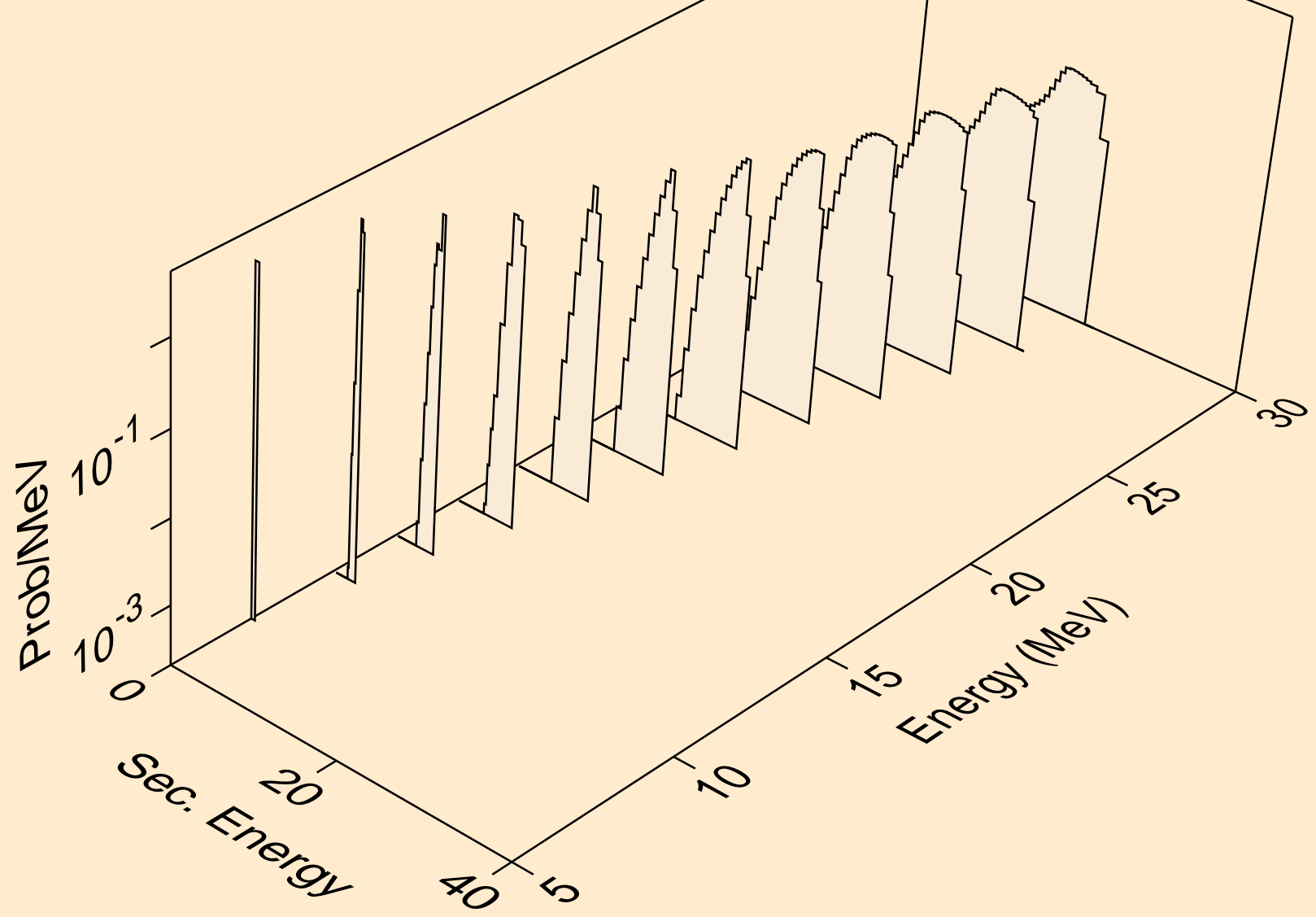
## Particle production cross sections



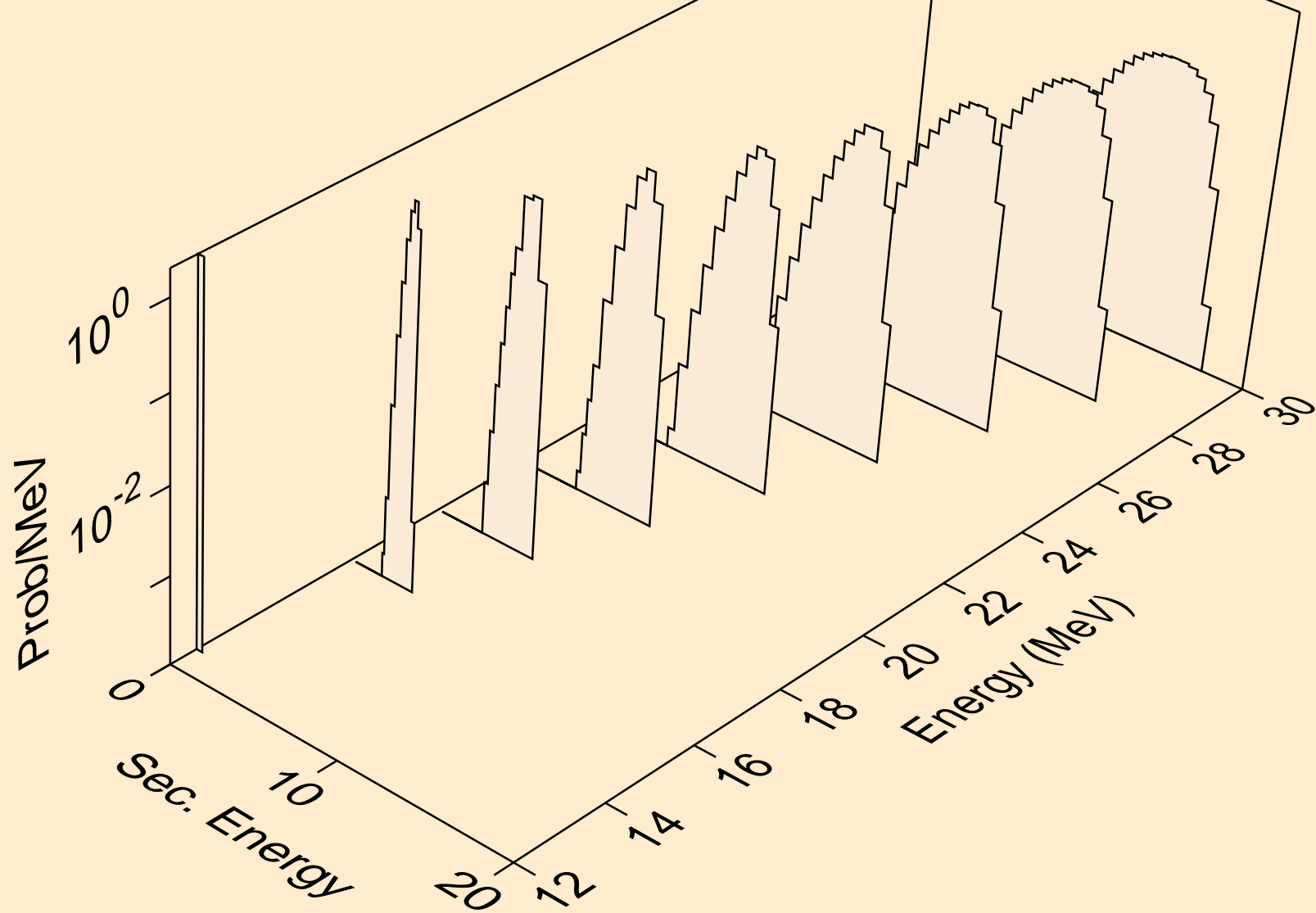
AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,x)



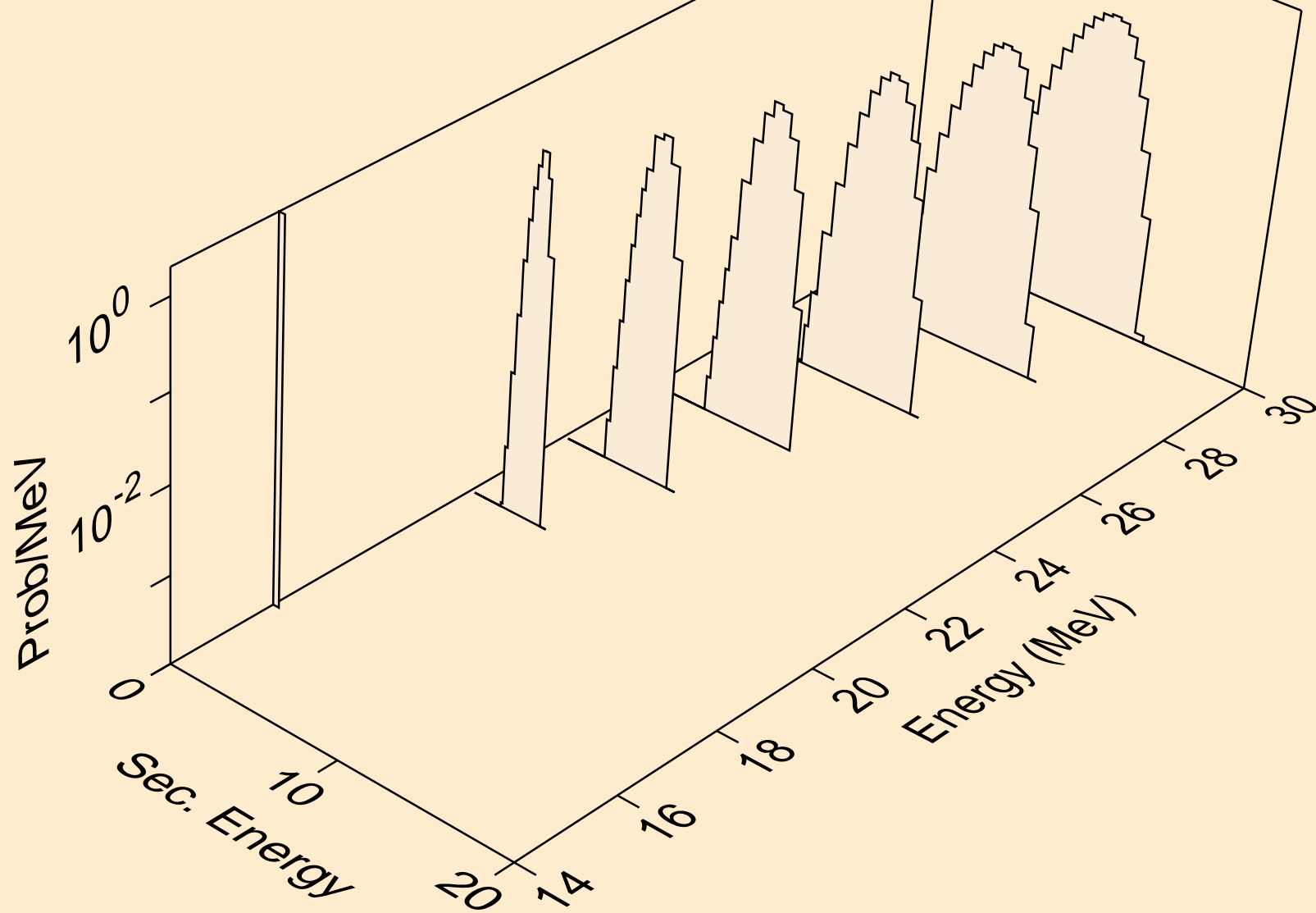
AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n\*)p



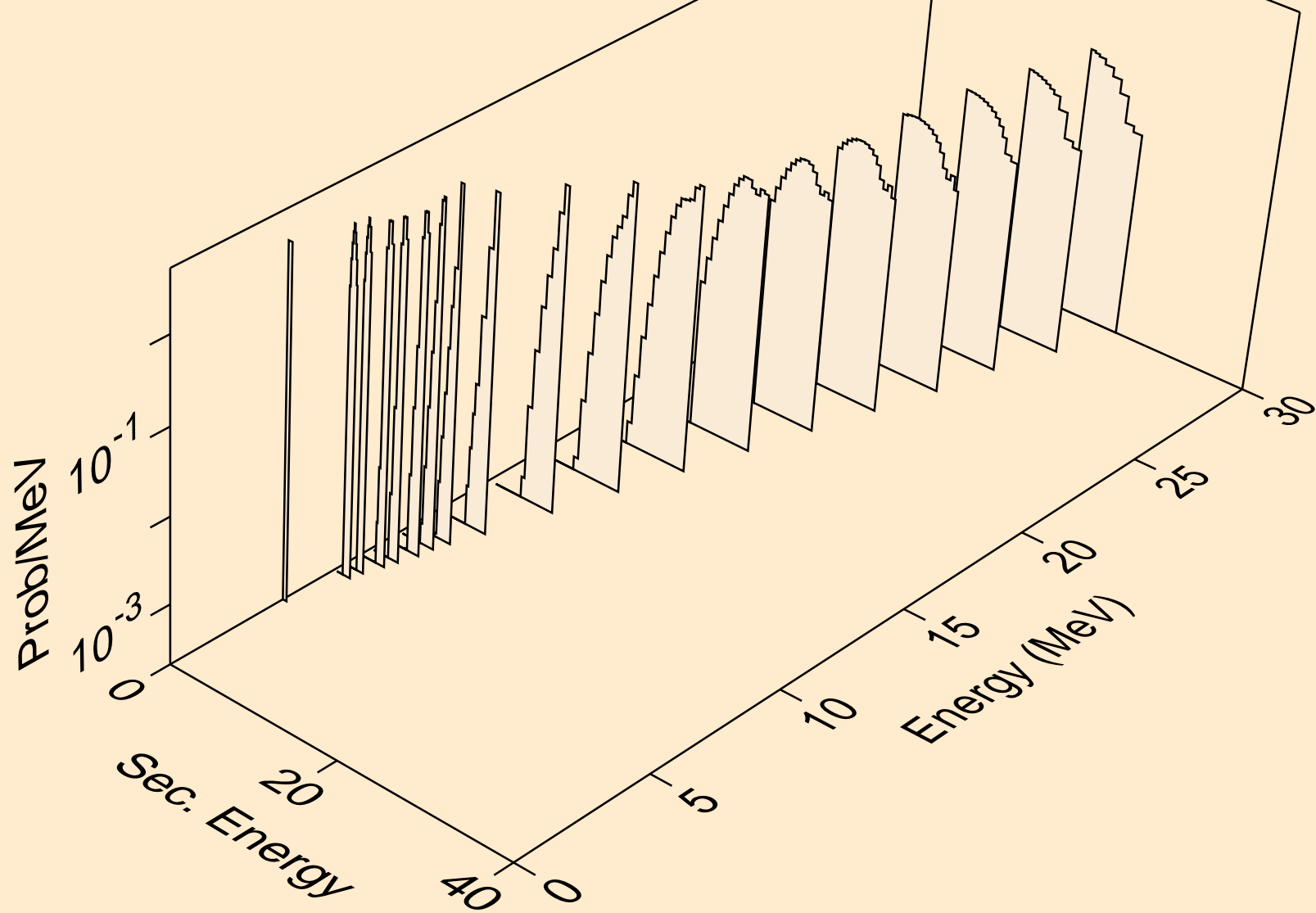
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protons from (n,2np)



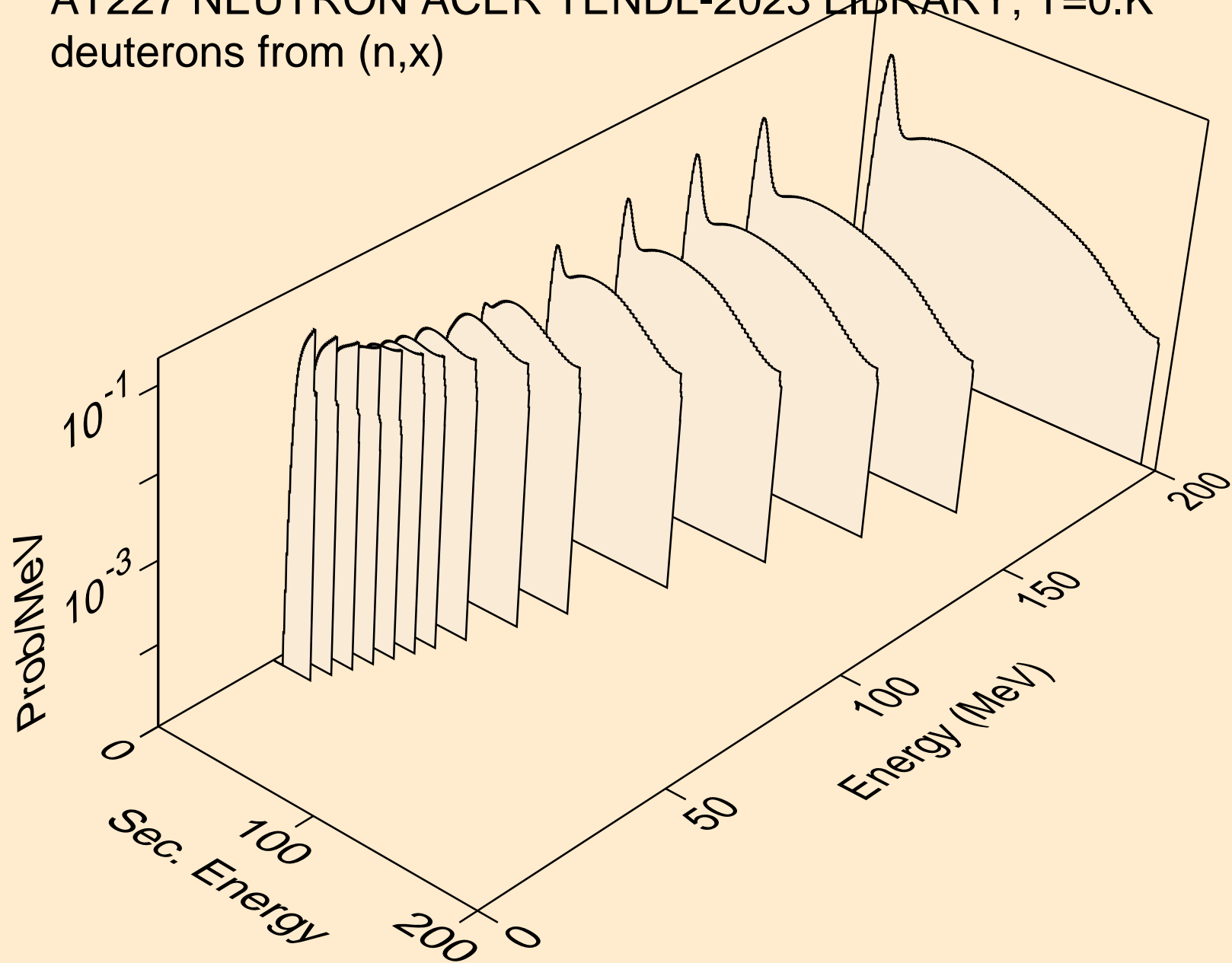
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protons from (n,3np)



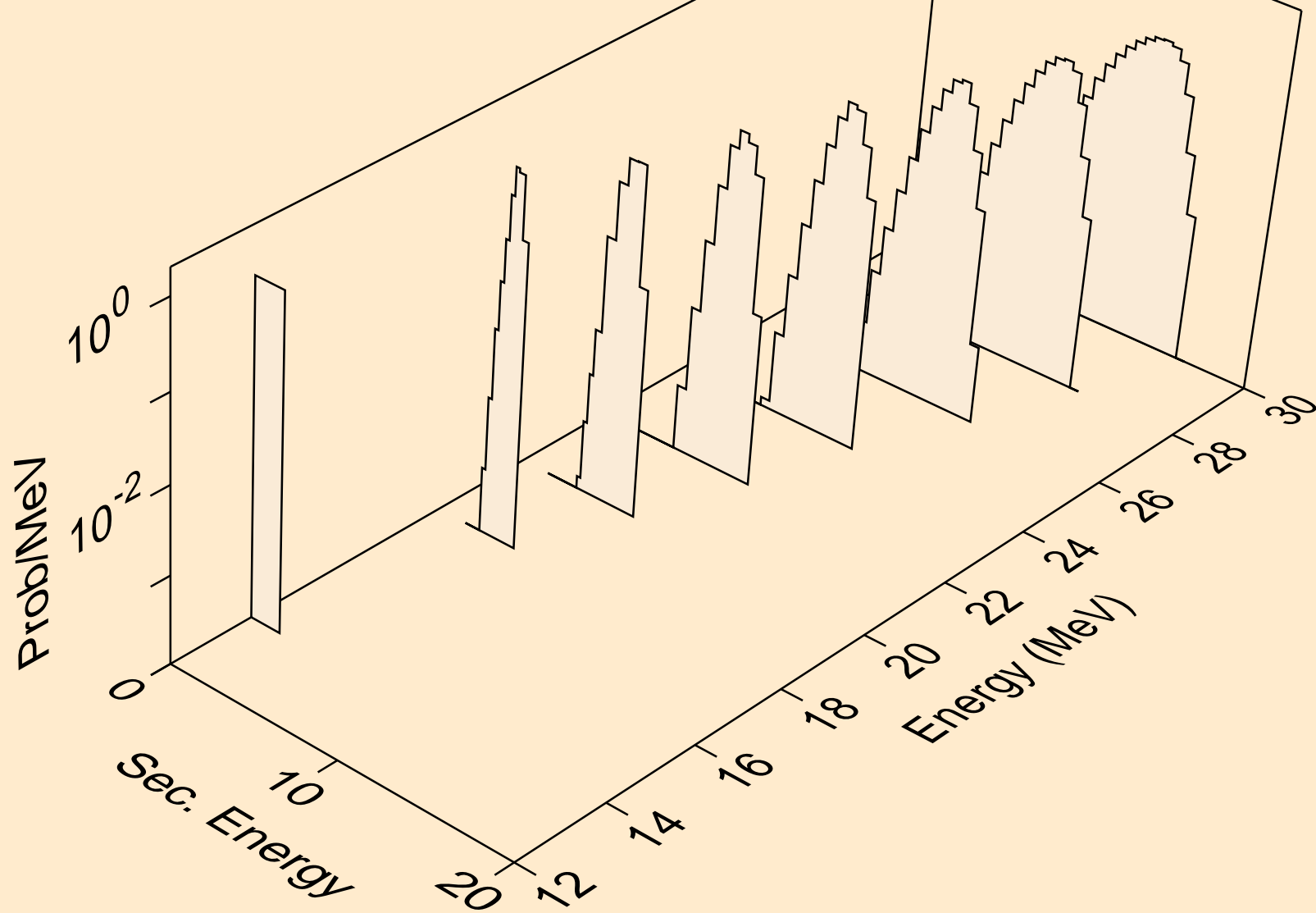
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protons from (n,p)



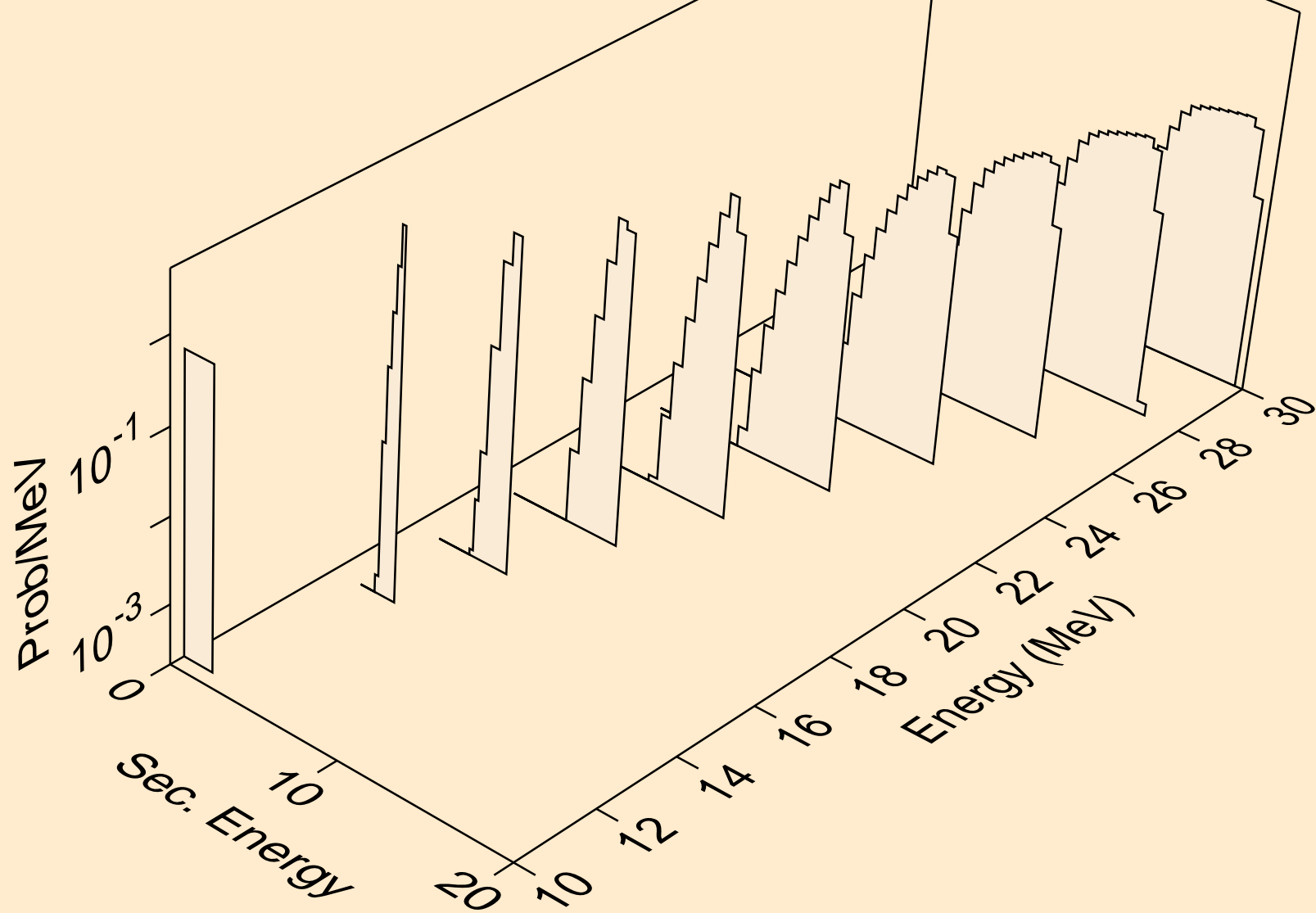
AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,x)



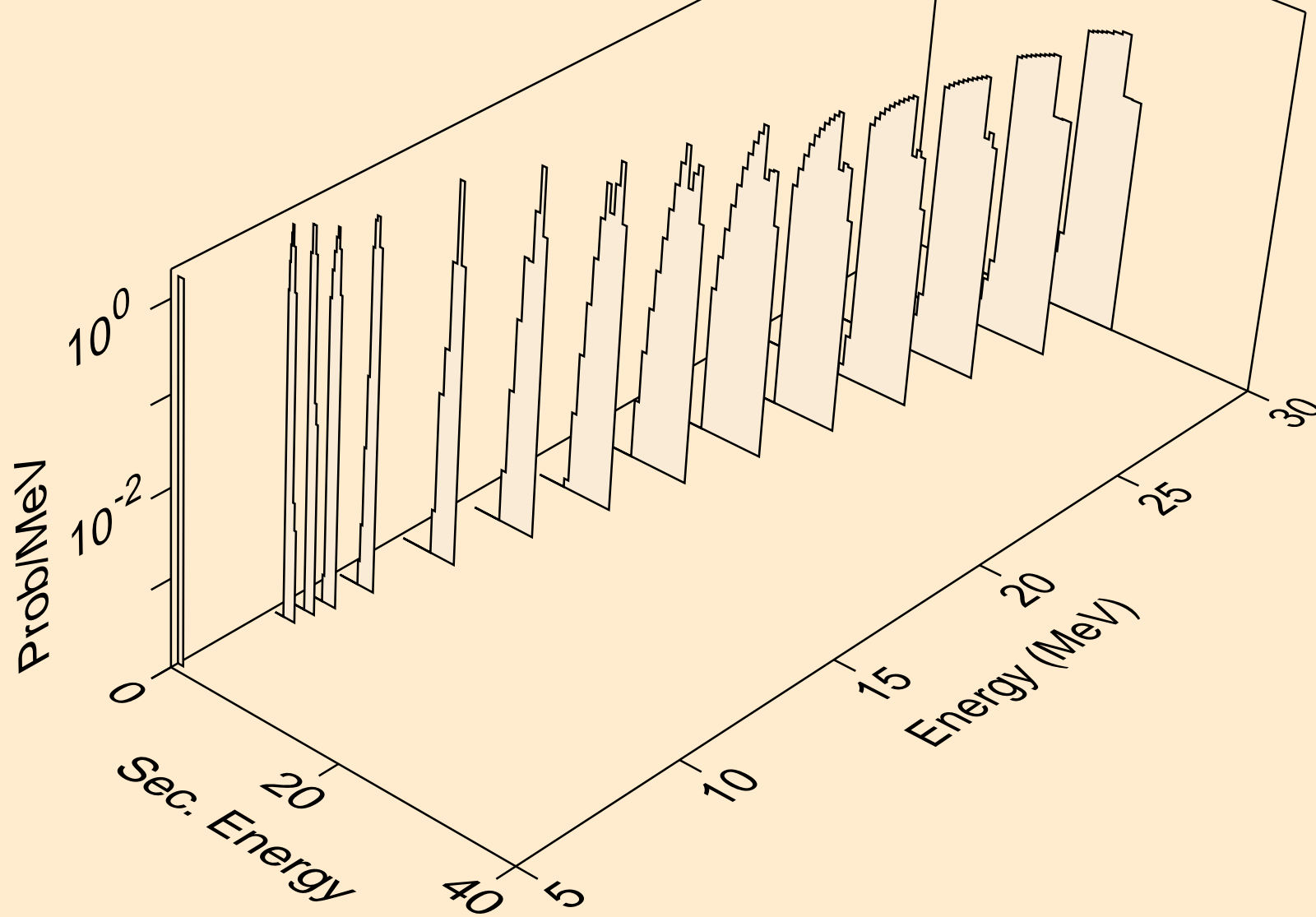
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deuterons from (n,2nd)



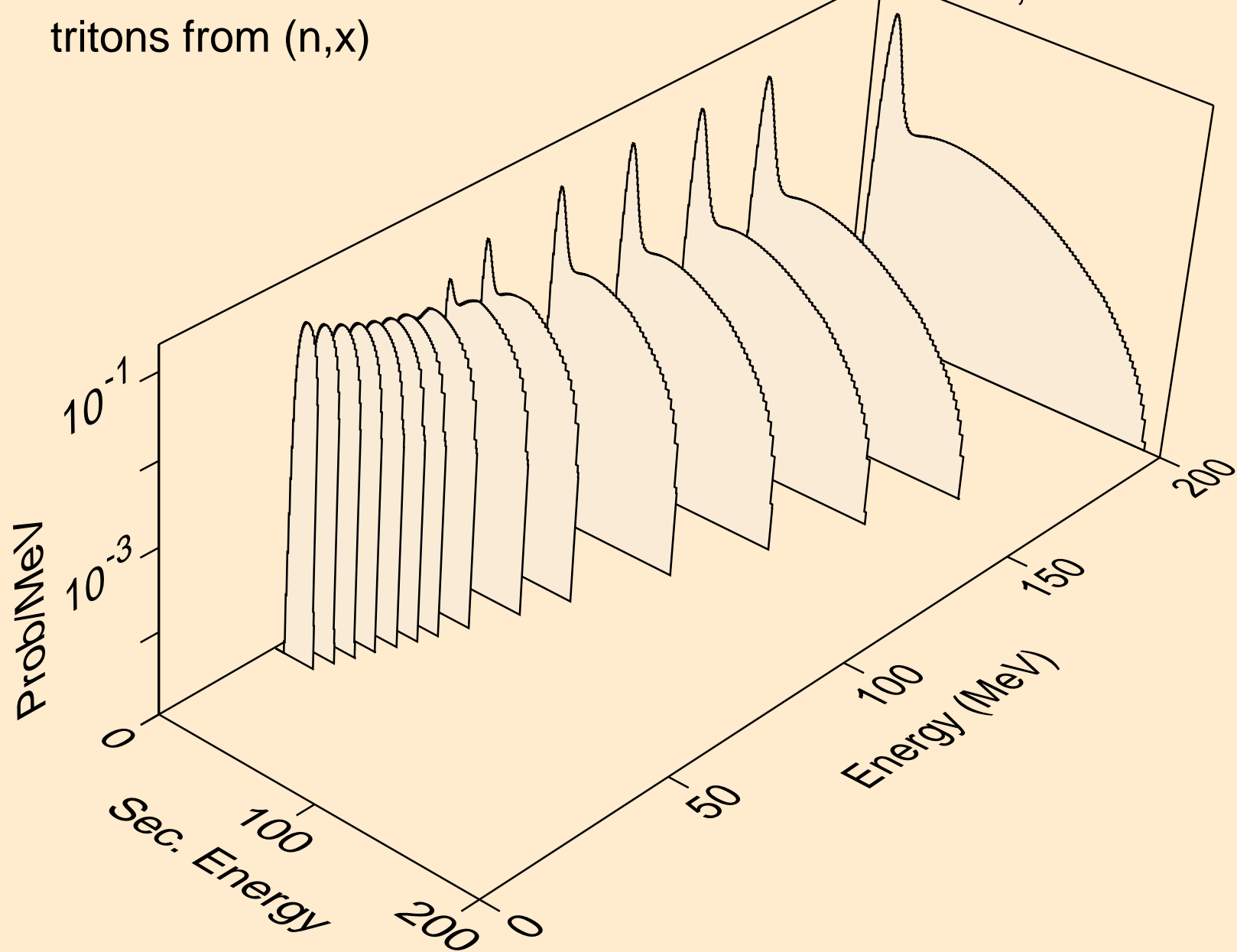
AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,n\*)d



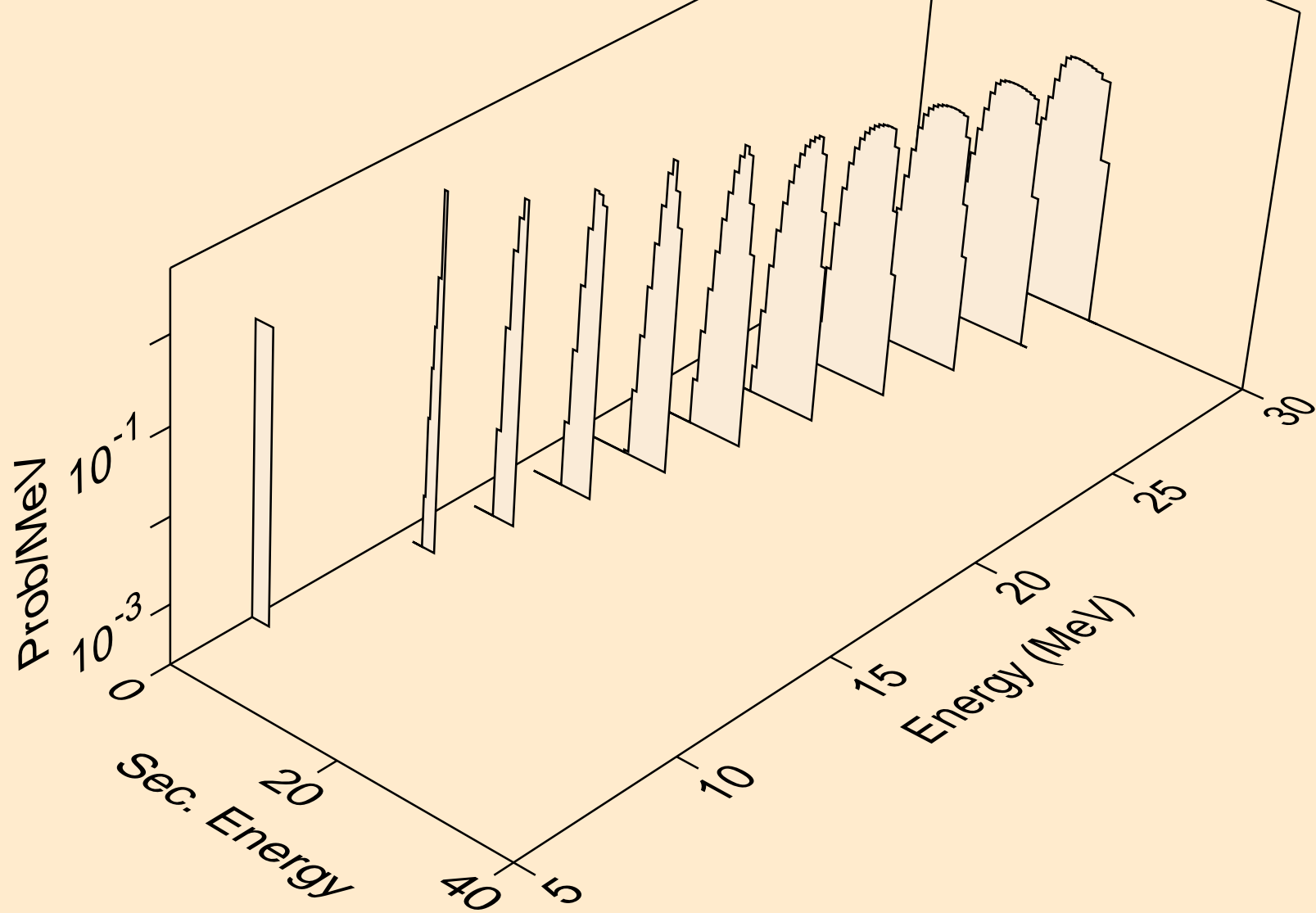
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deuterons from (n,d)



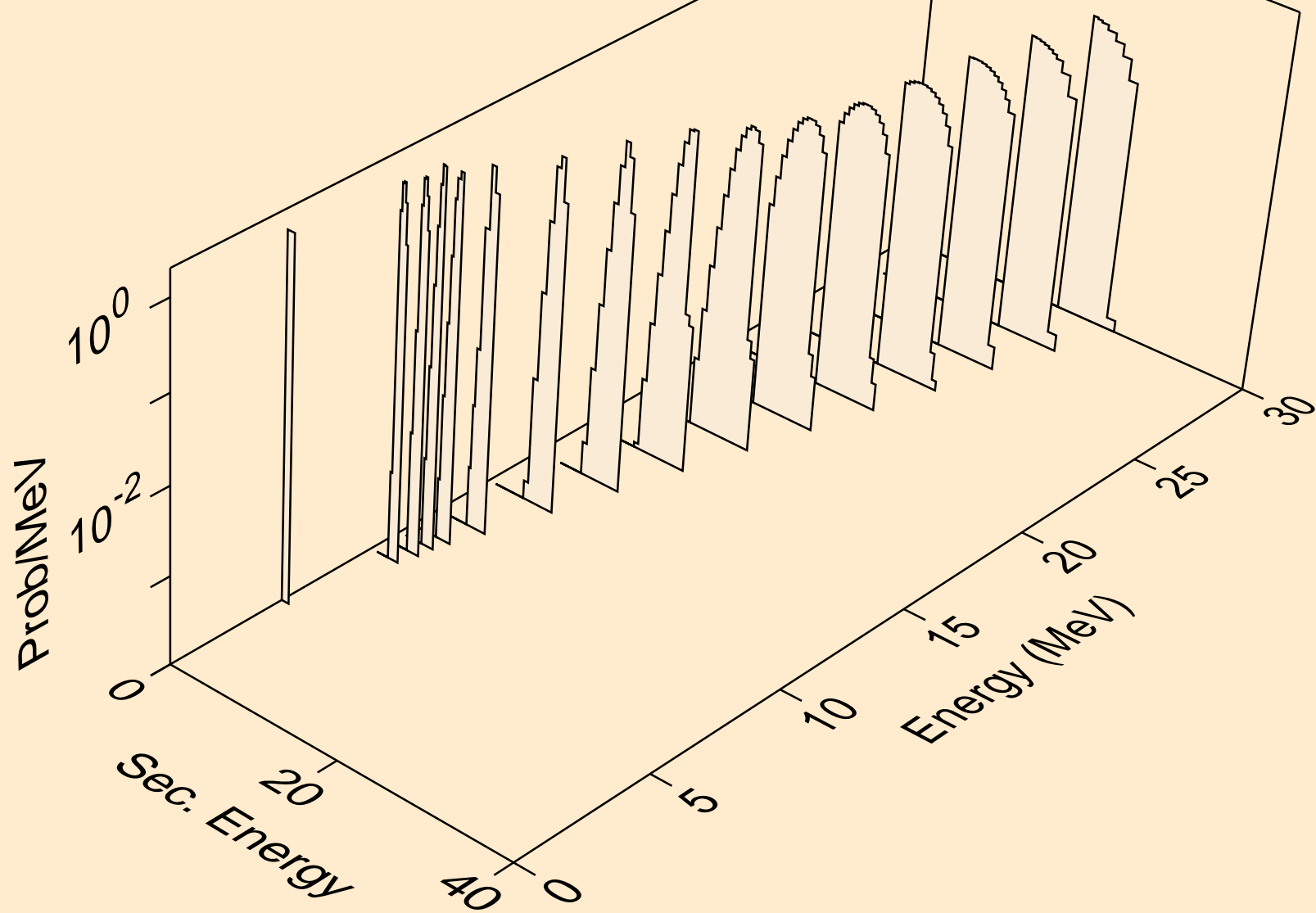
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tritons from (n,x)



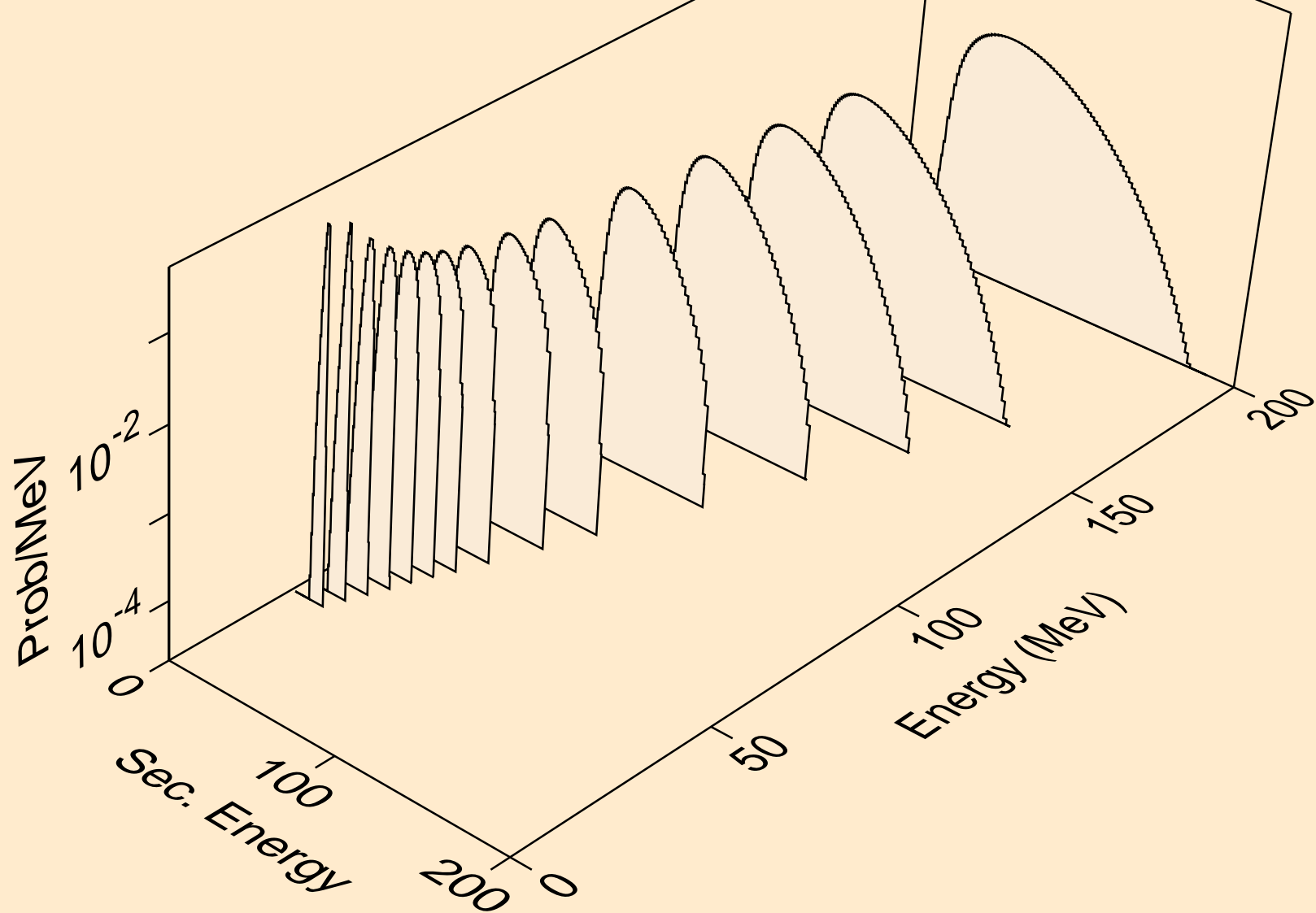
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tritons from (n,n\*)t



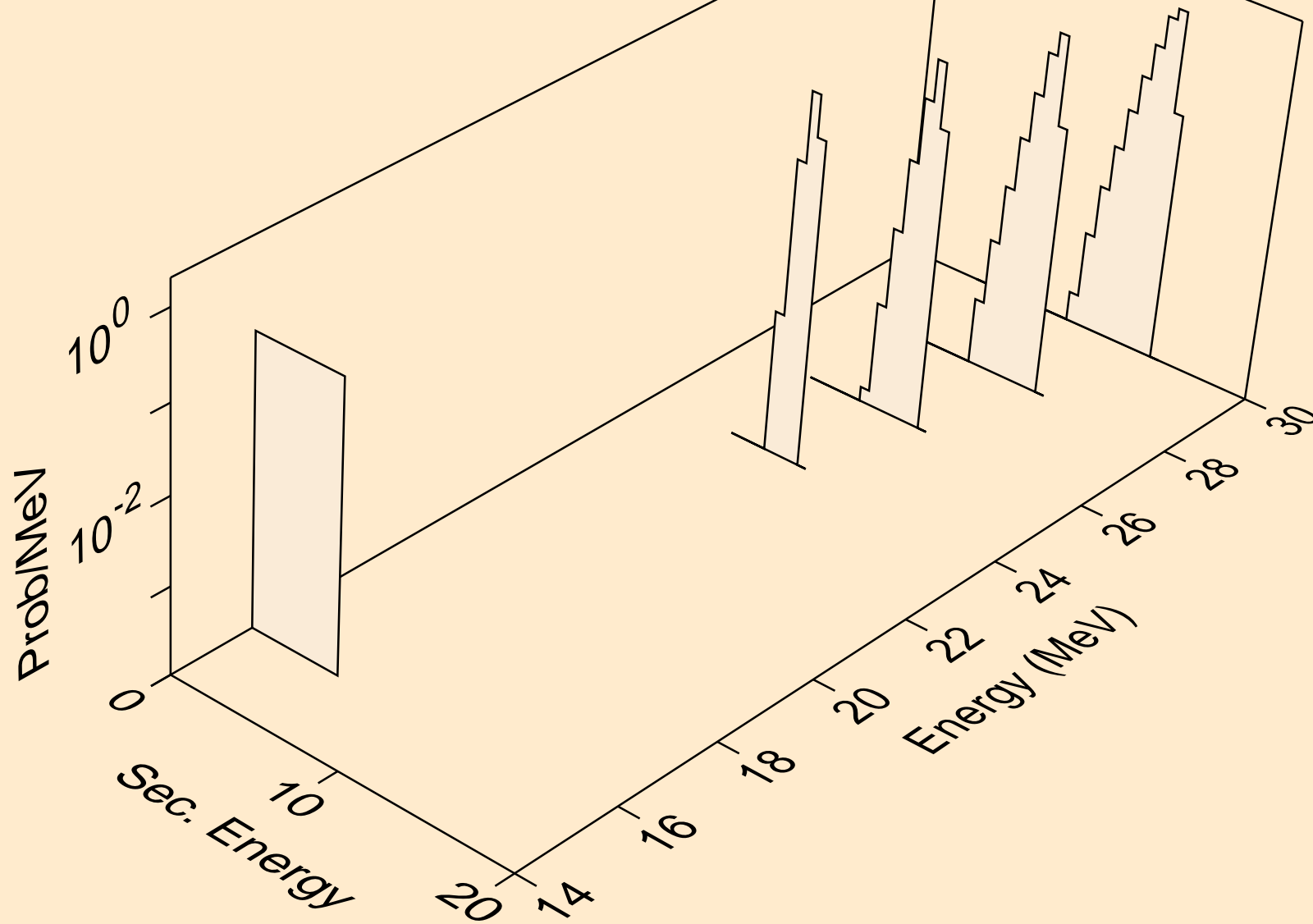
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tritons from (n,t)



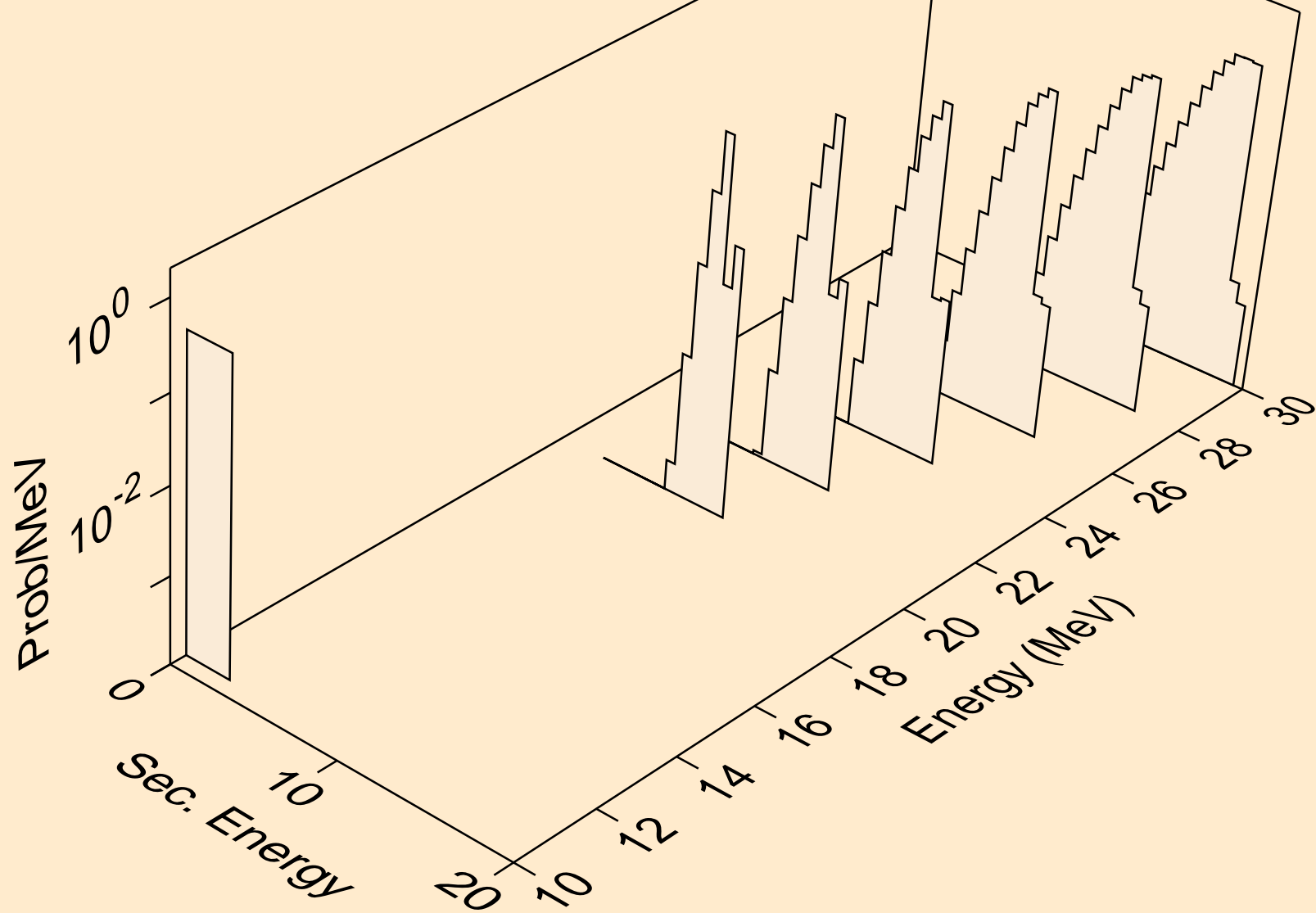
AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,x)



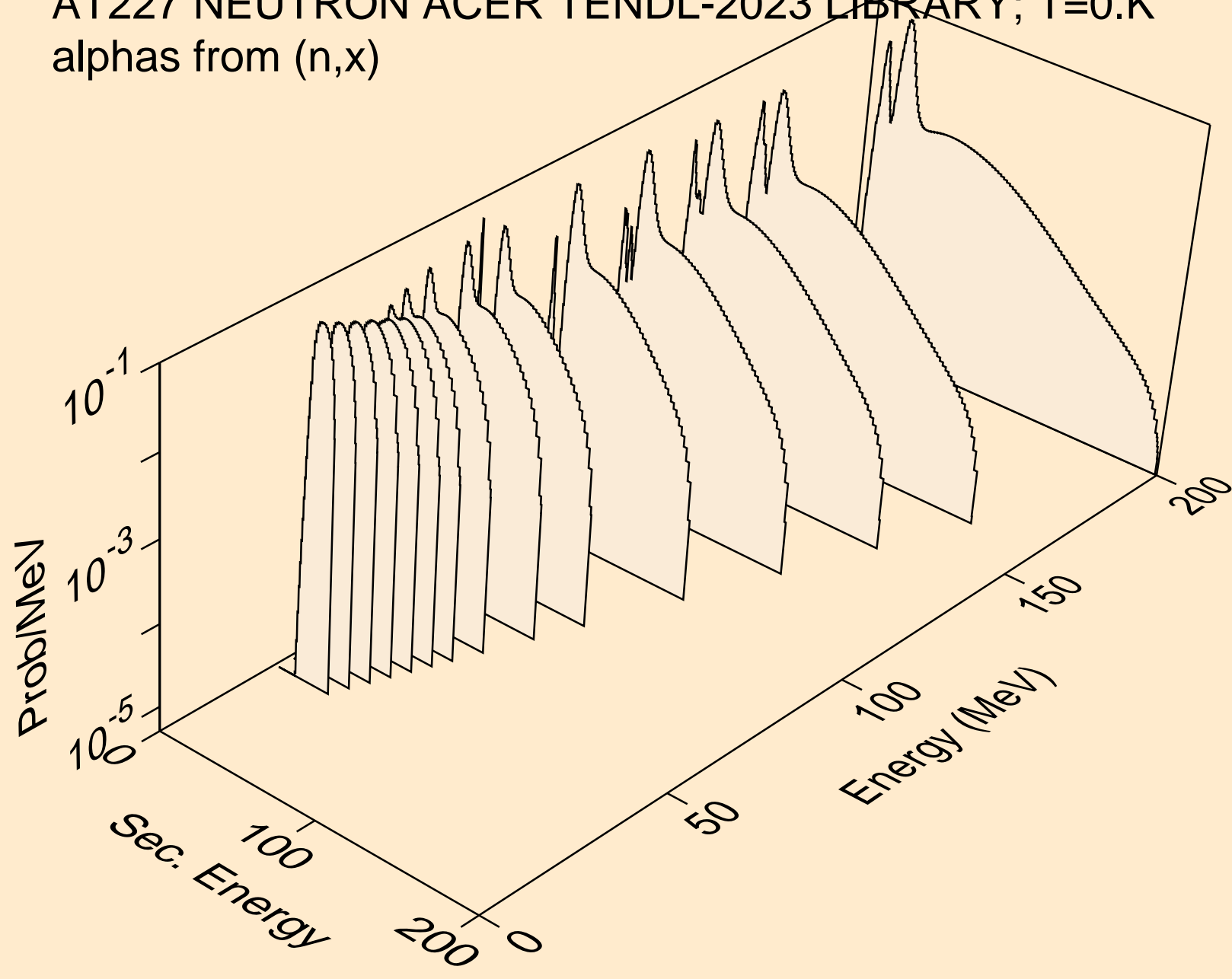
AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,n\*)he3



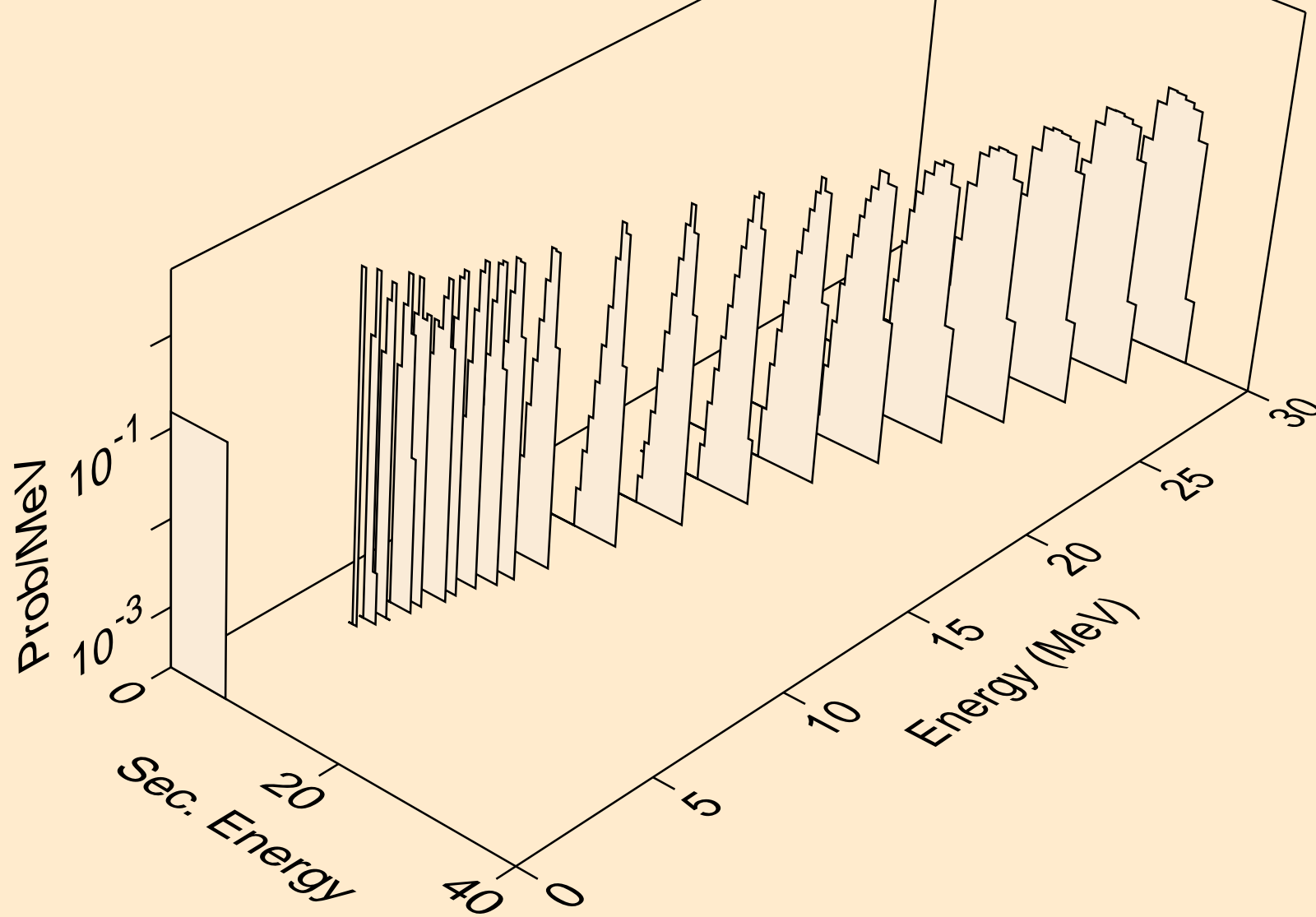
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he3s from (n,he3)



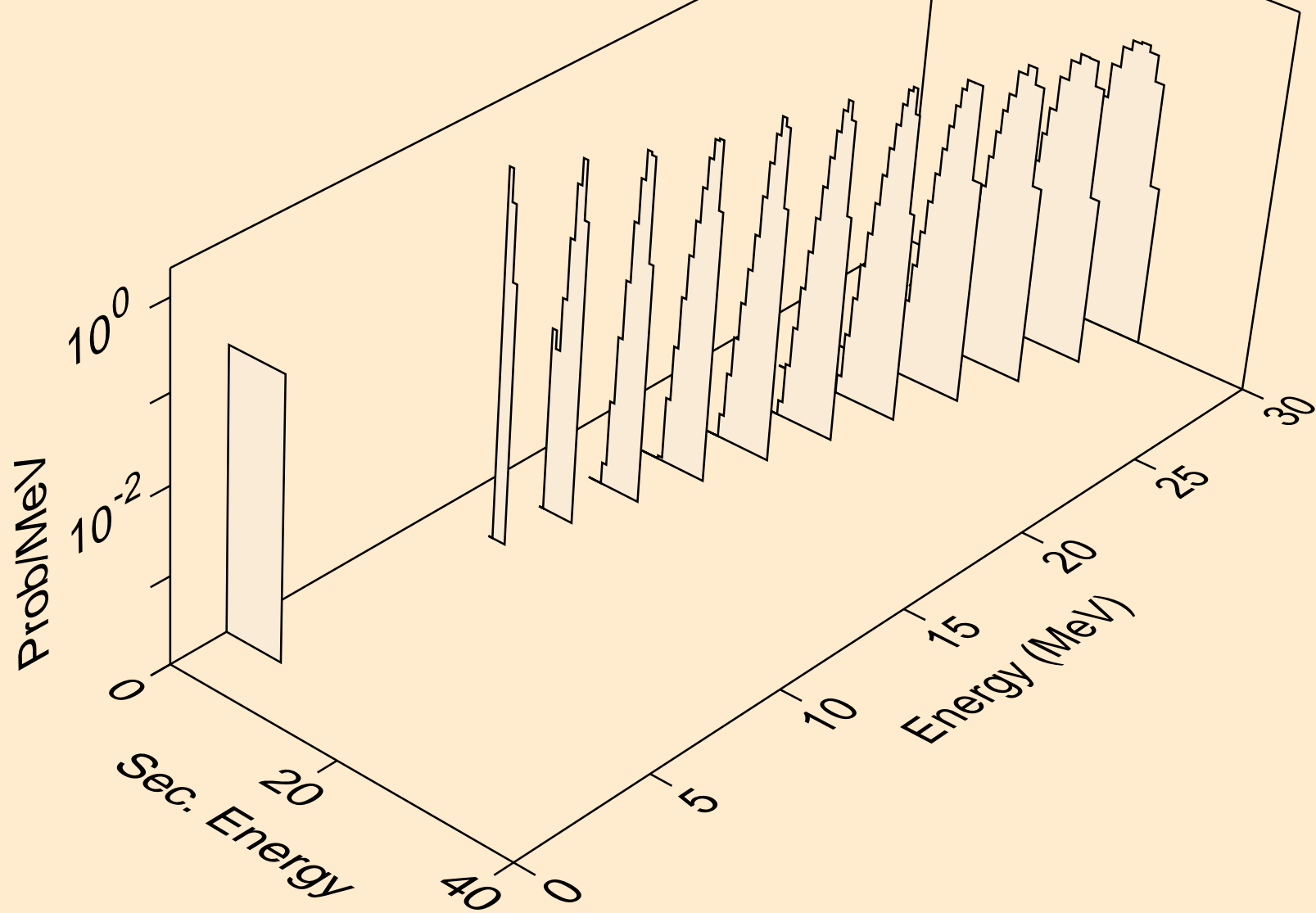
AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,x)



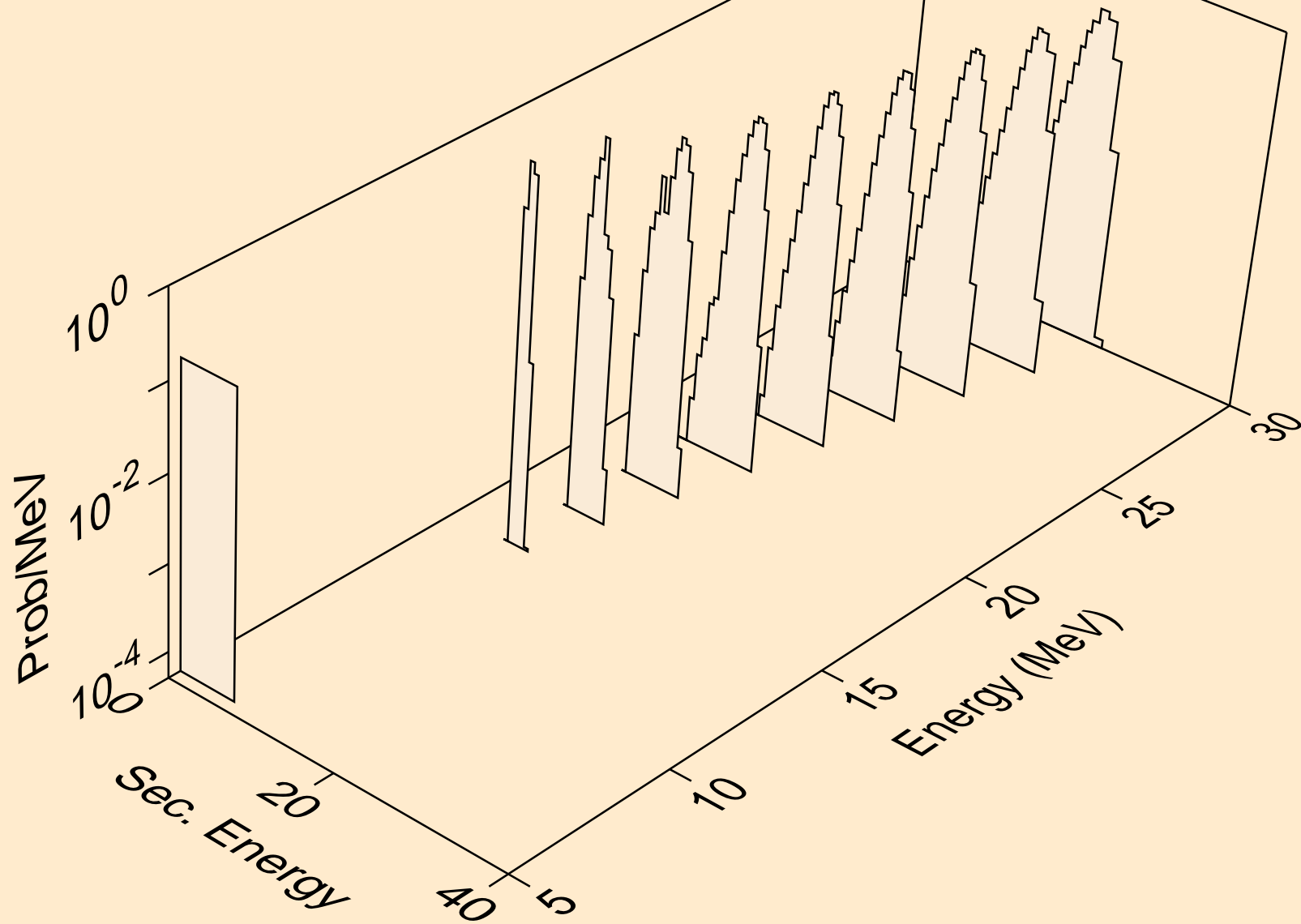
AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)a



AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2n)a



AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,3n)a



AT227 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,a)

