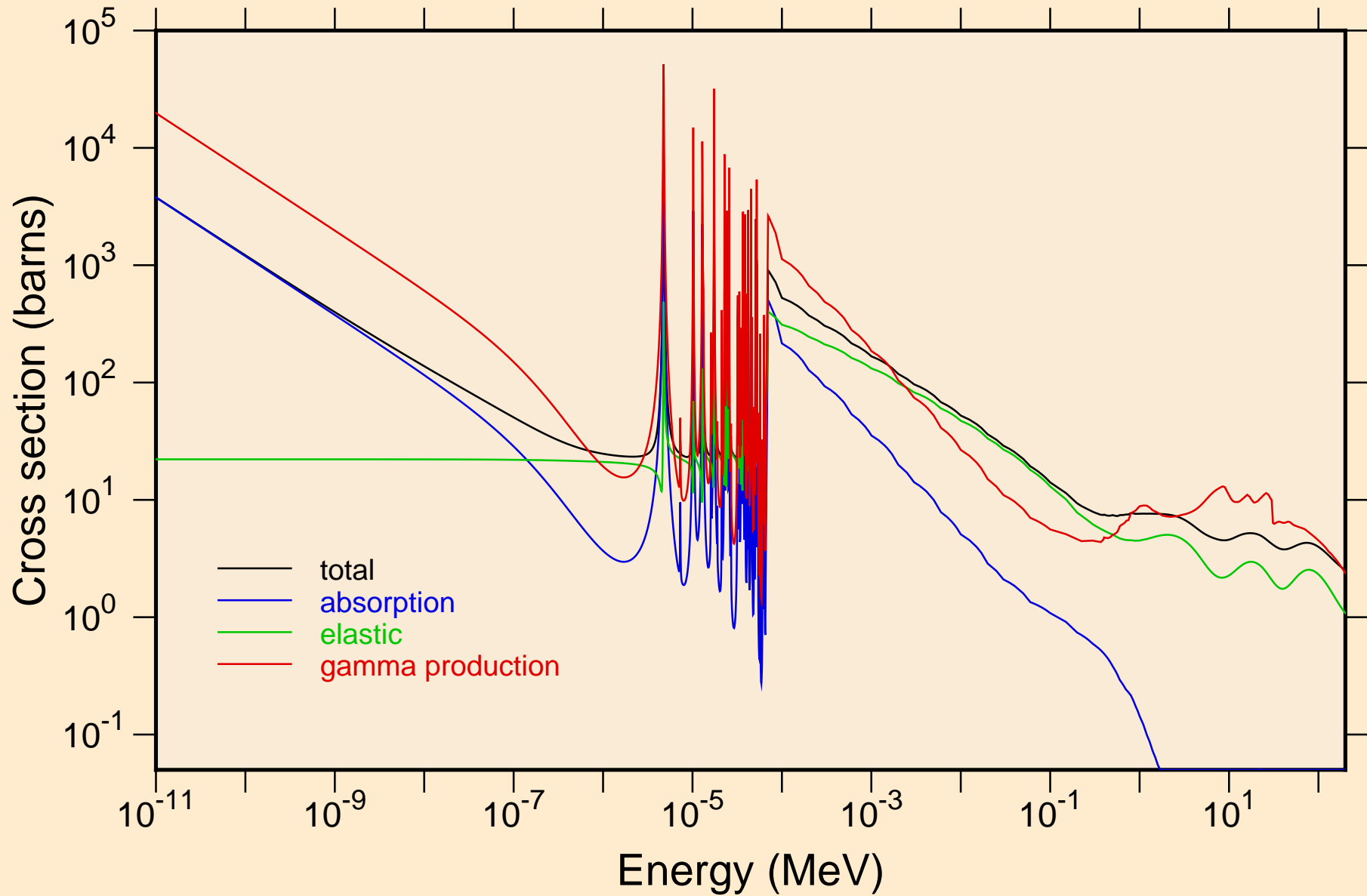
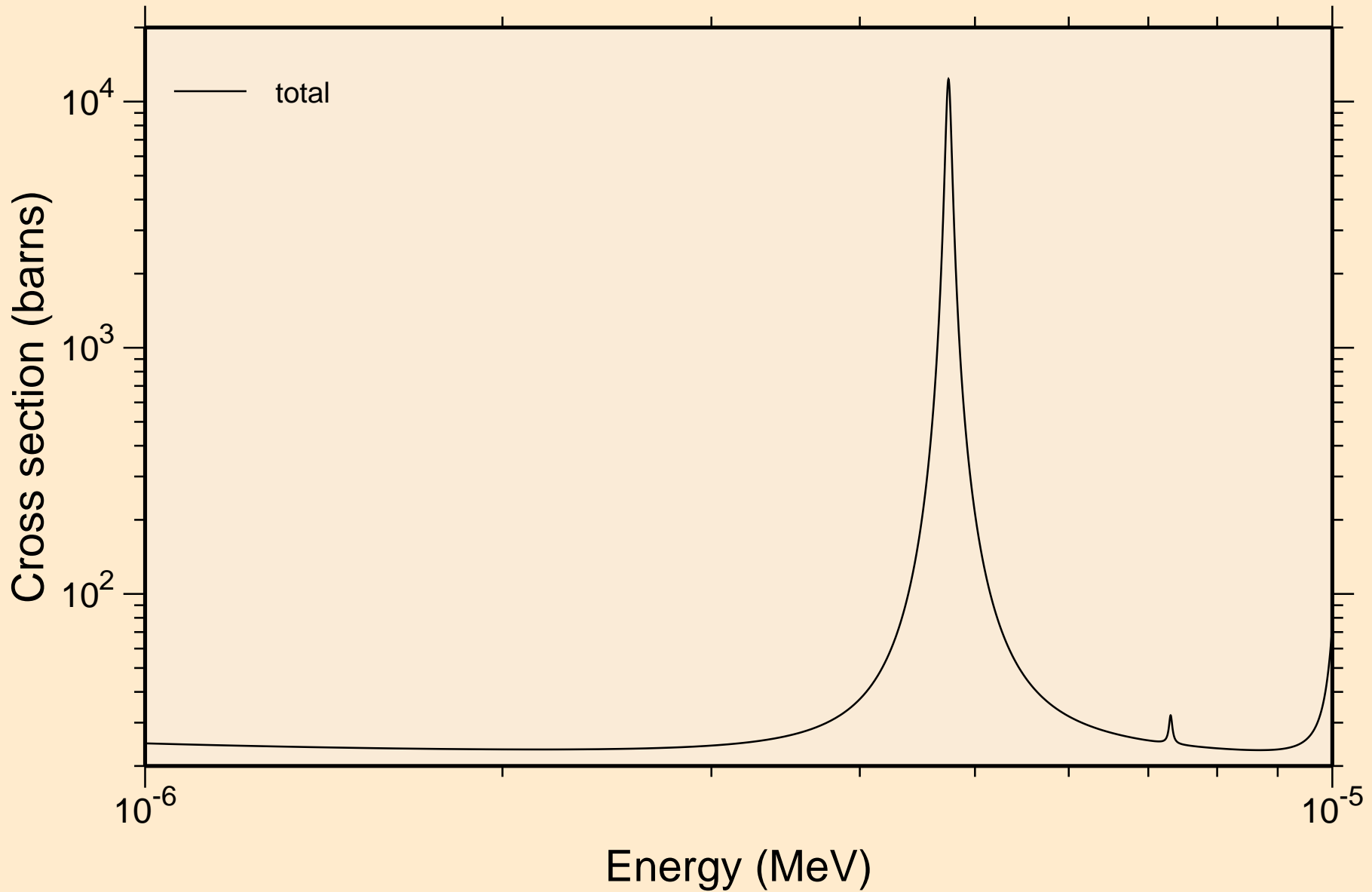


# HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

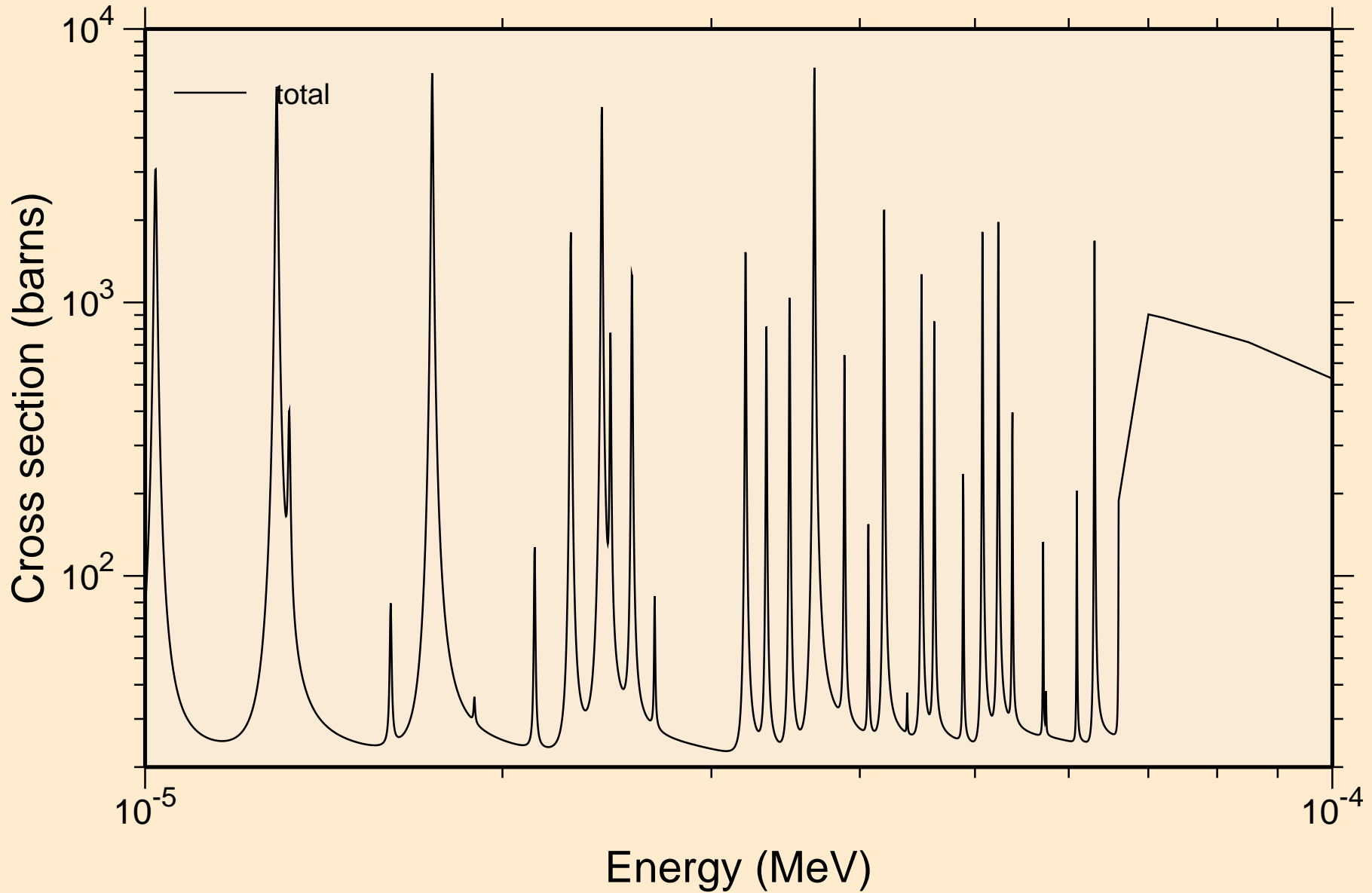
## Principal cross sections



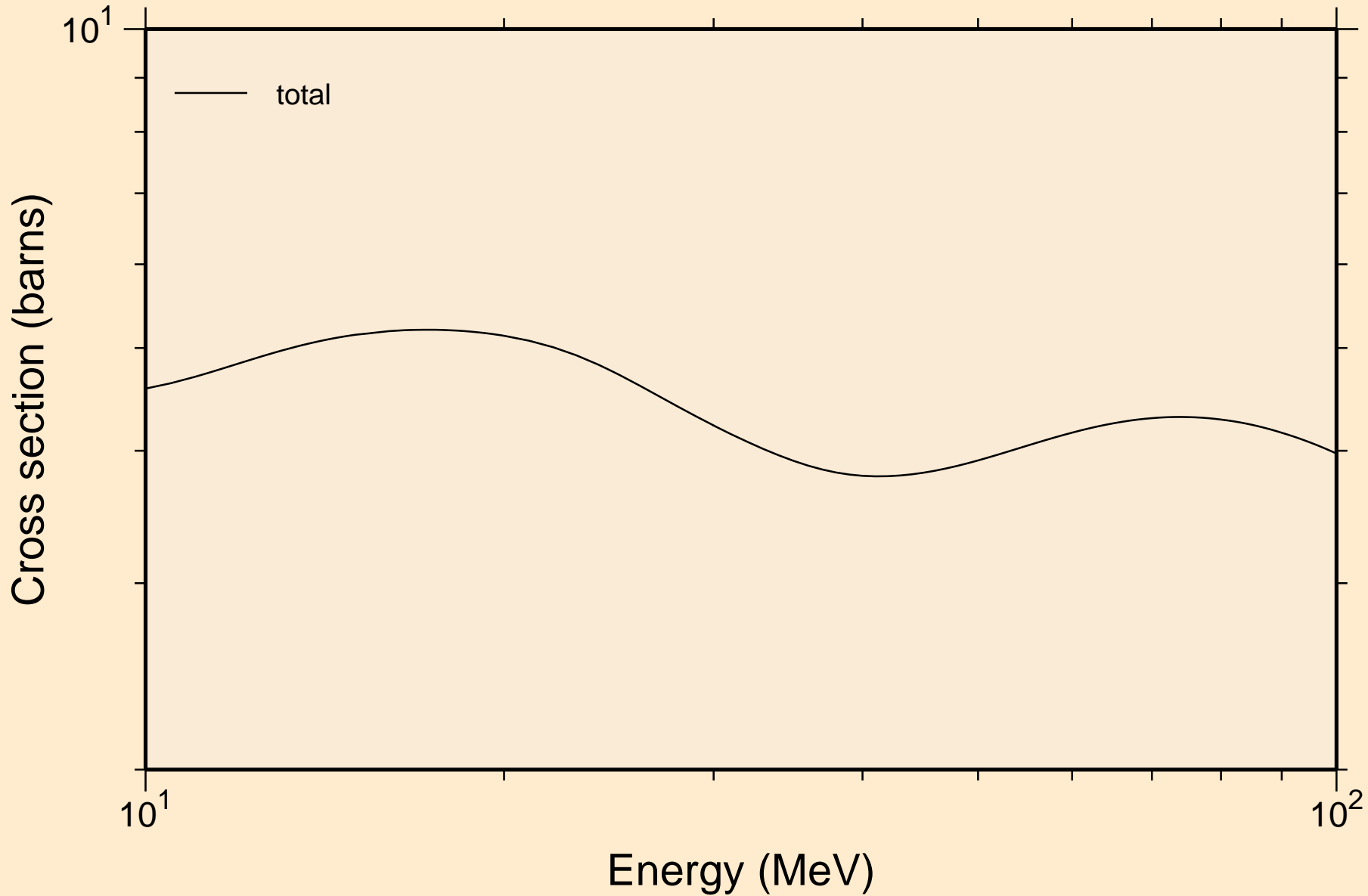
HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



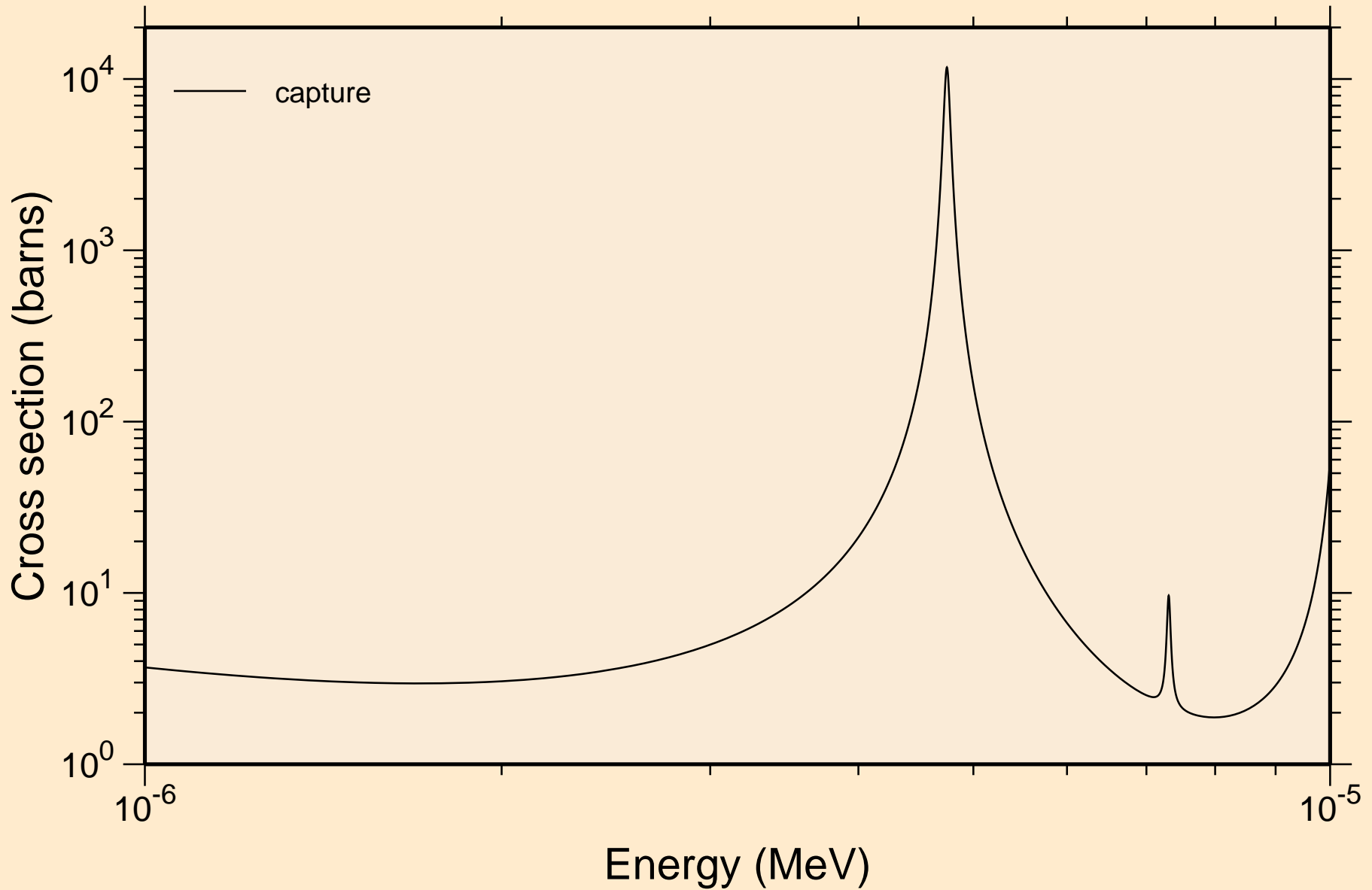
HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



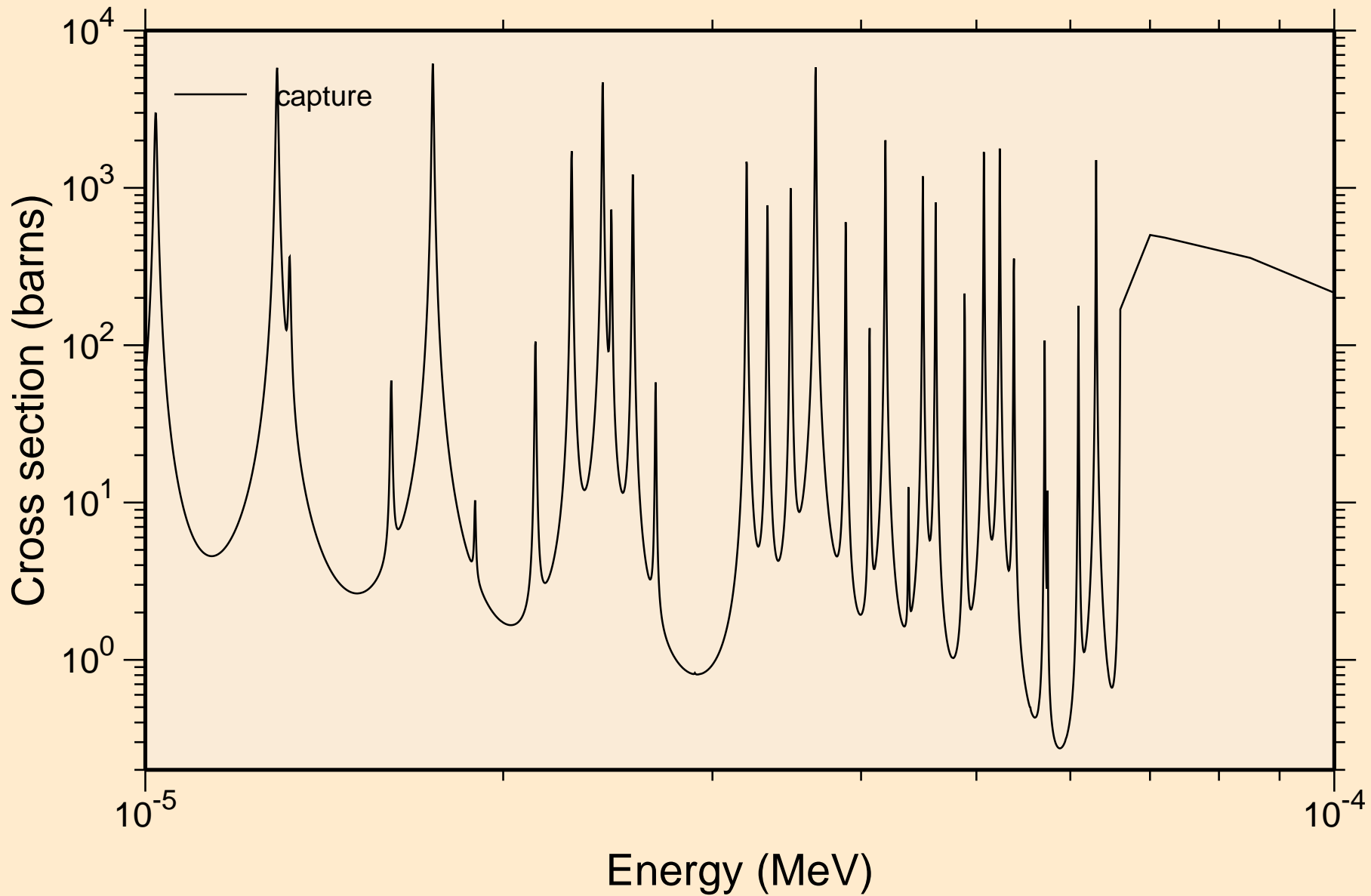
HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



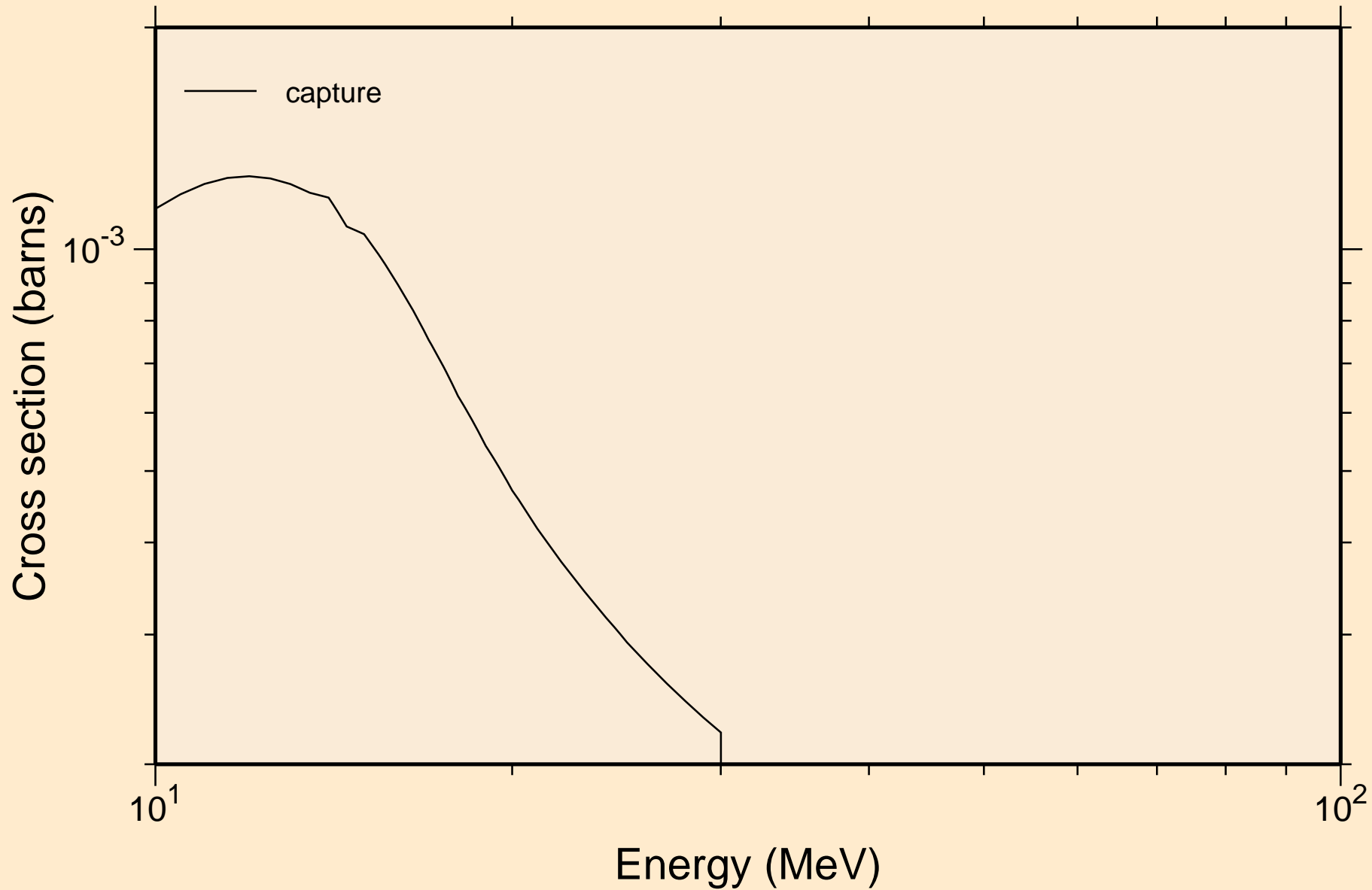
HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



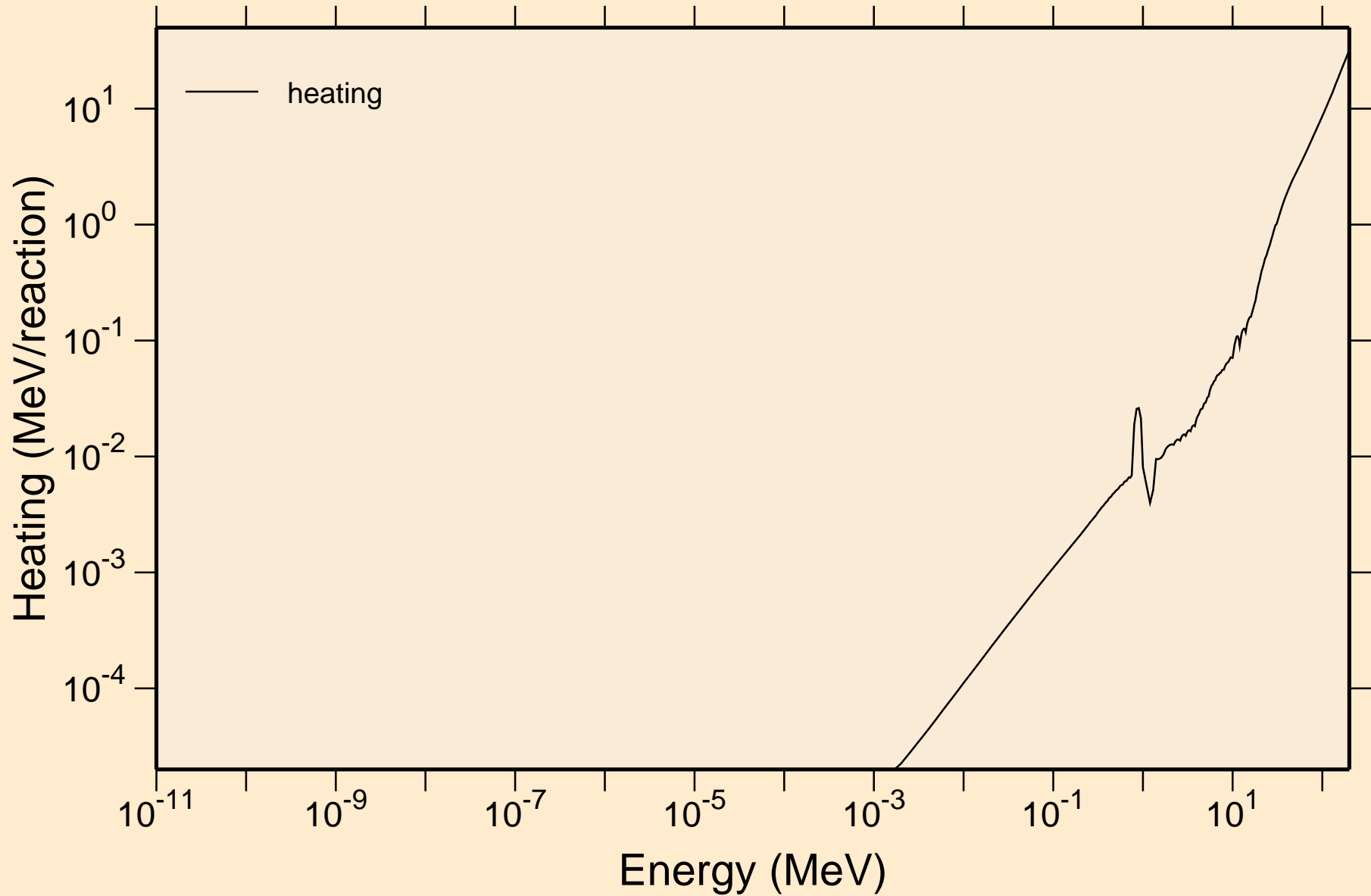
HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



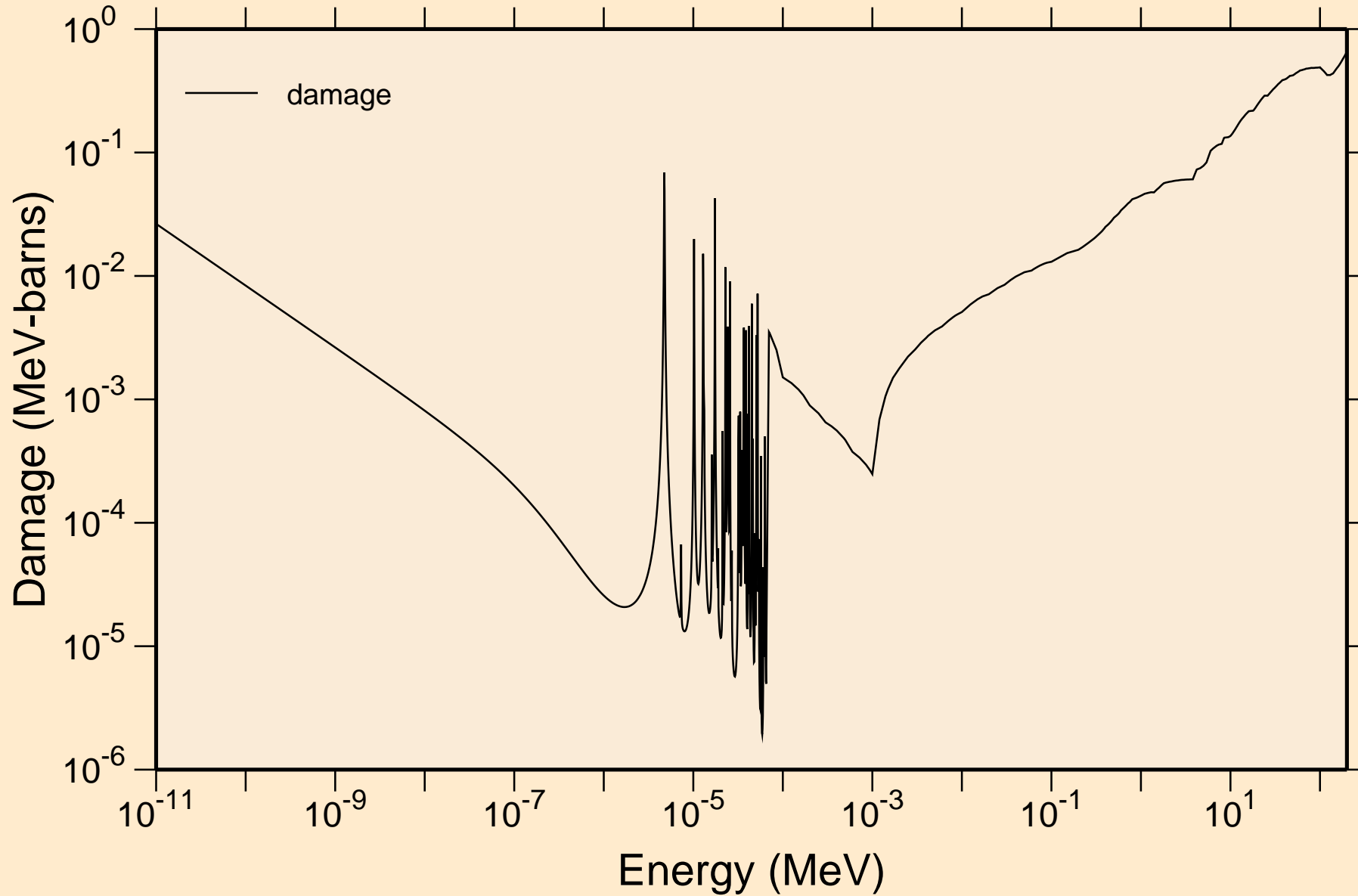
HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Heating





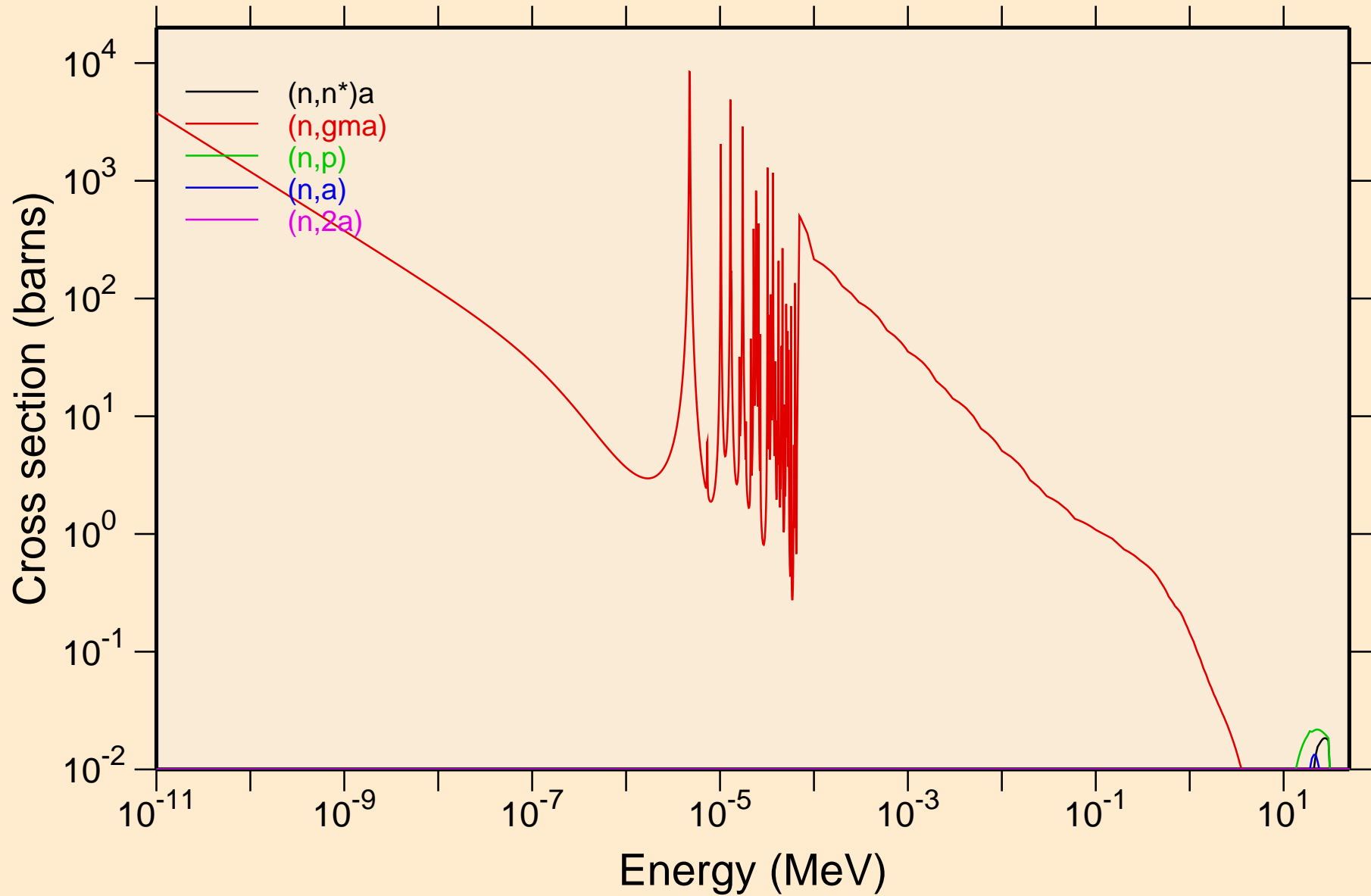
# HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Damage



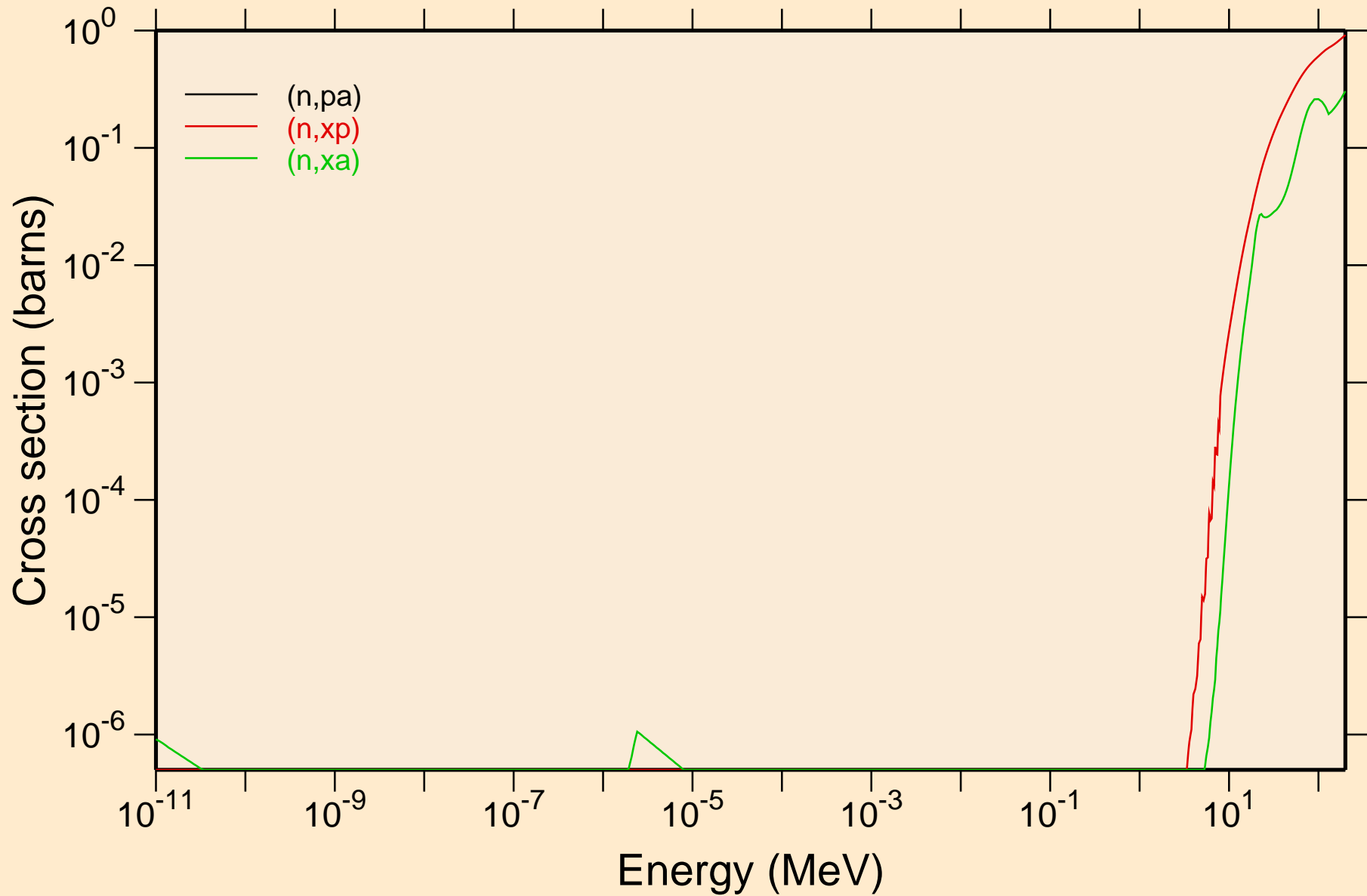
# HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Non-threshold reactions



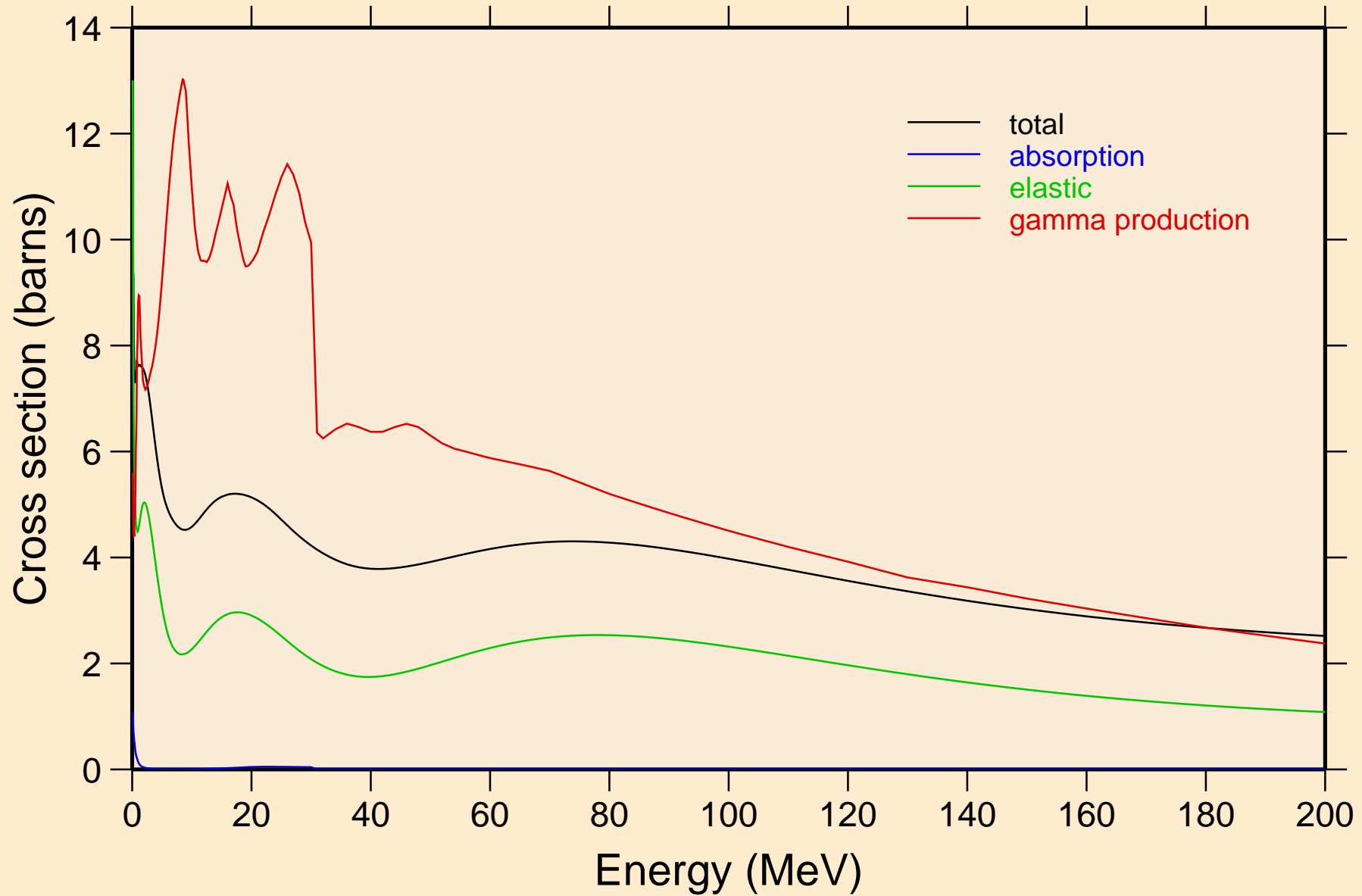
# HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Non-threshold reactions



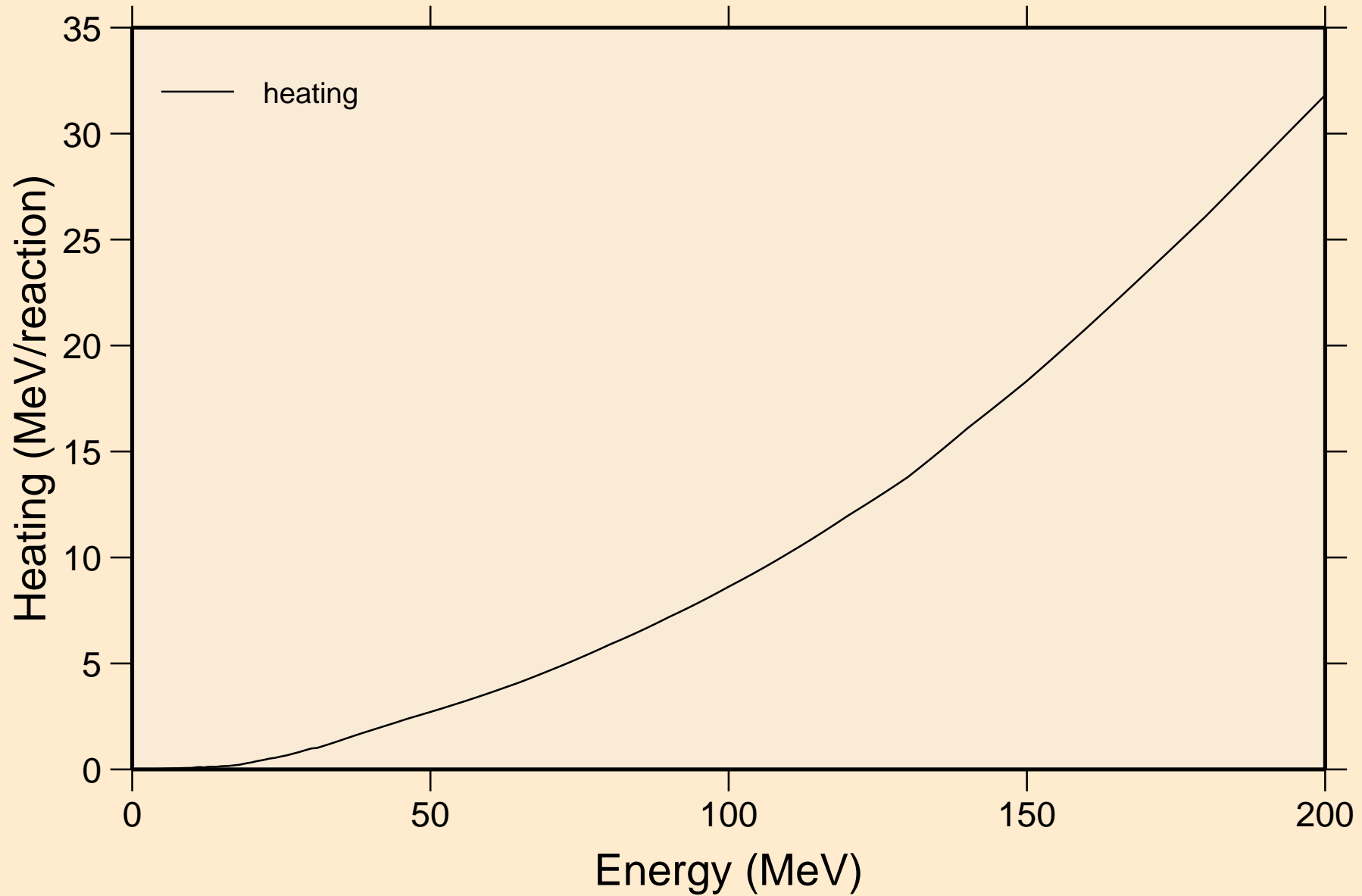
# HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections



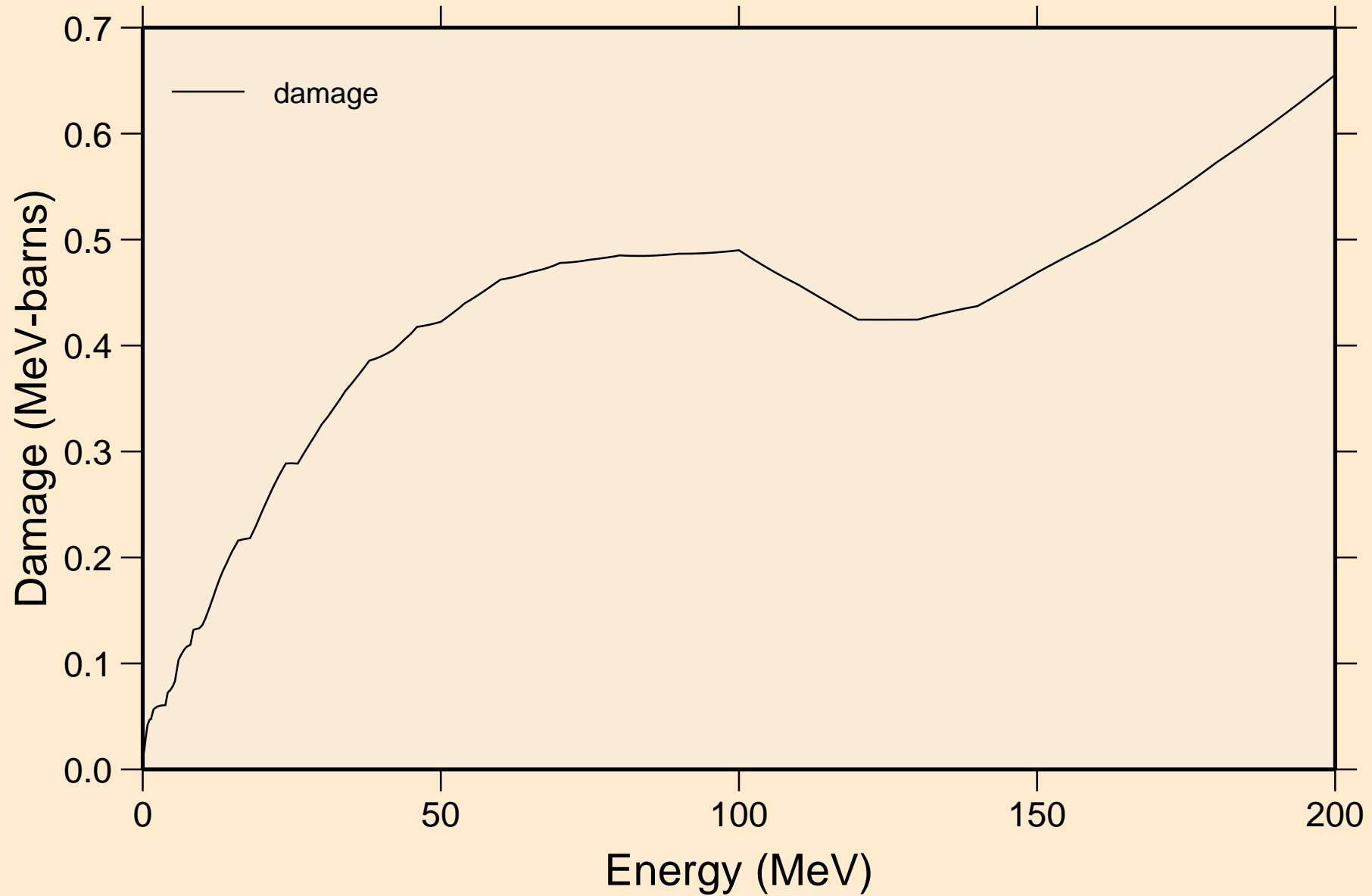
# HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Heating



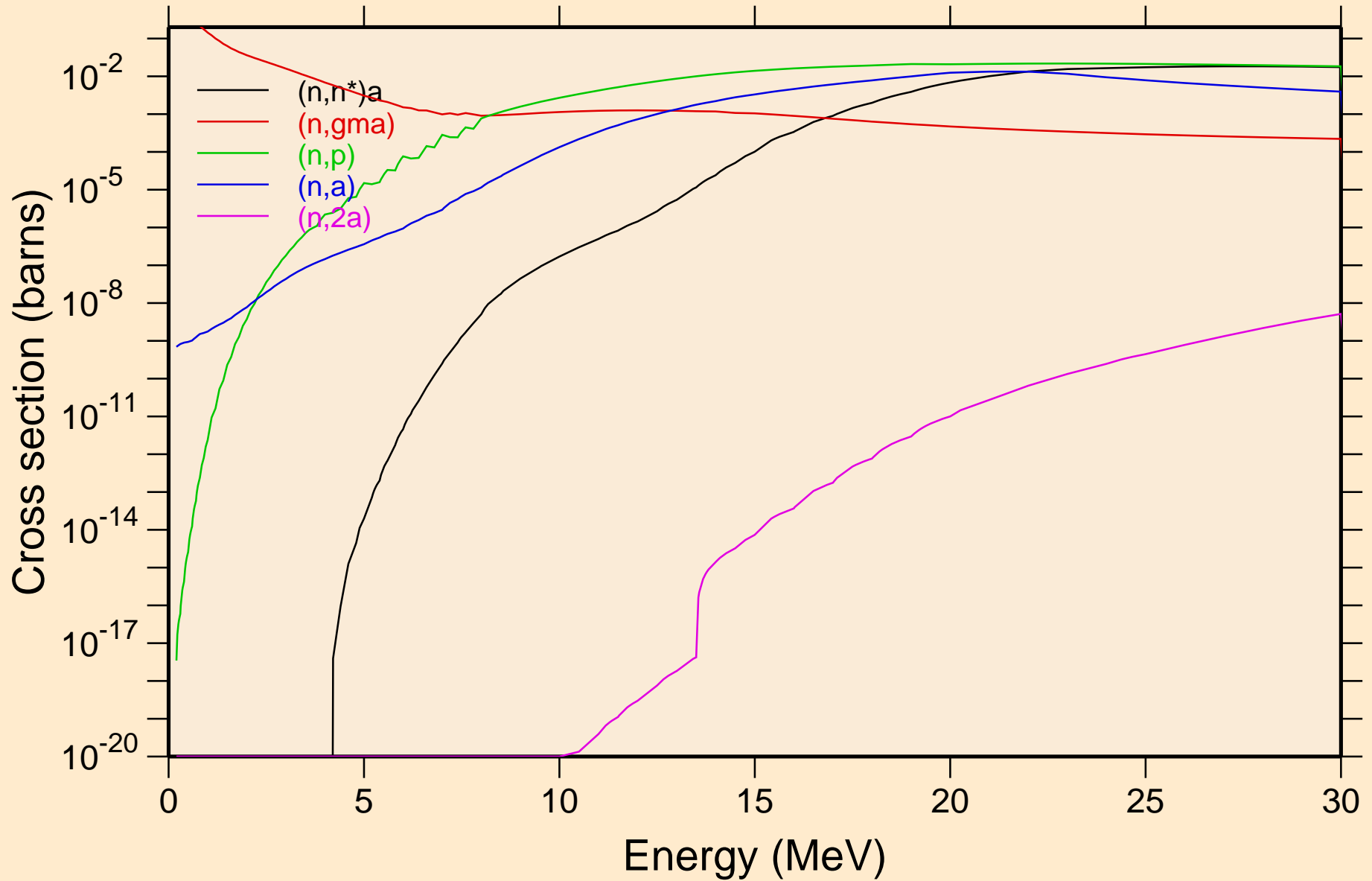
# HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Damage



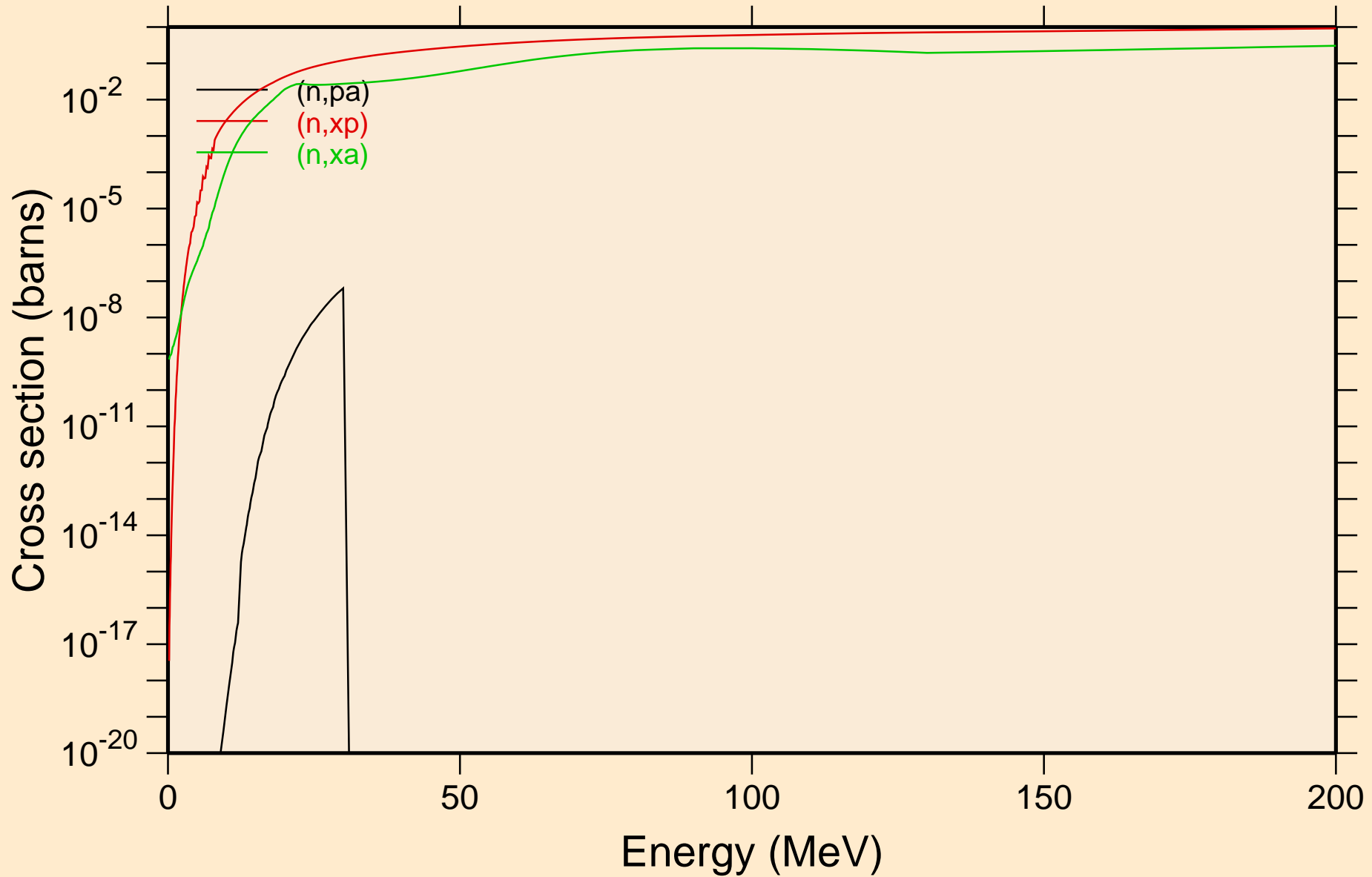
# HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Non-threshold reactions



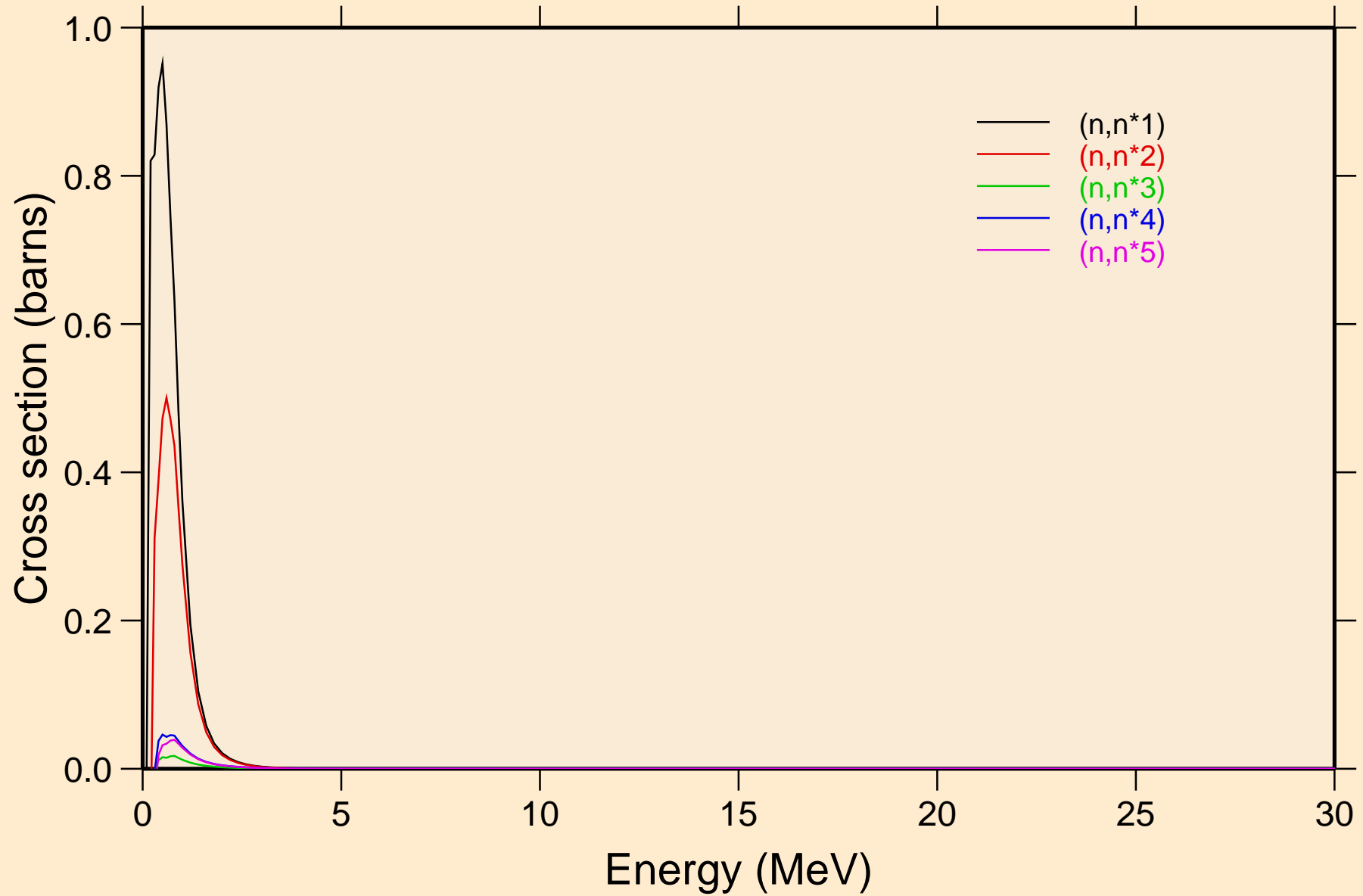
# HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Non-threshold reactions



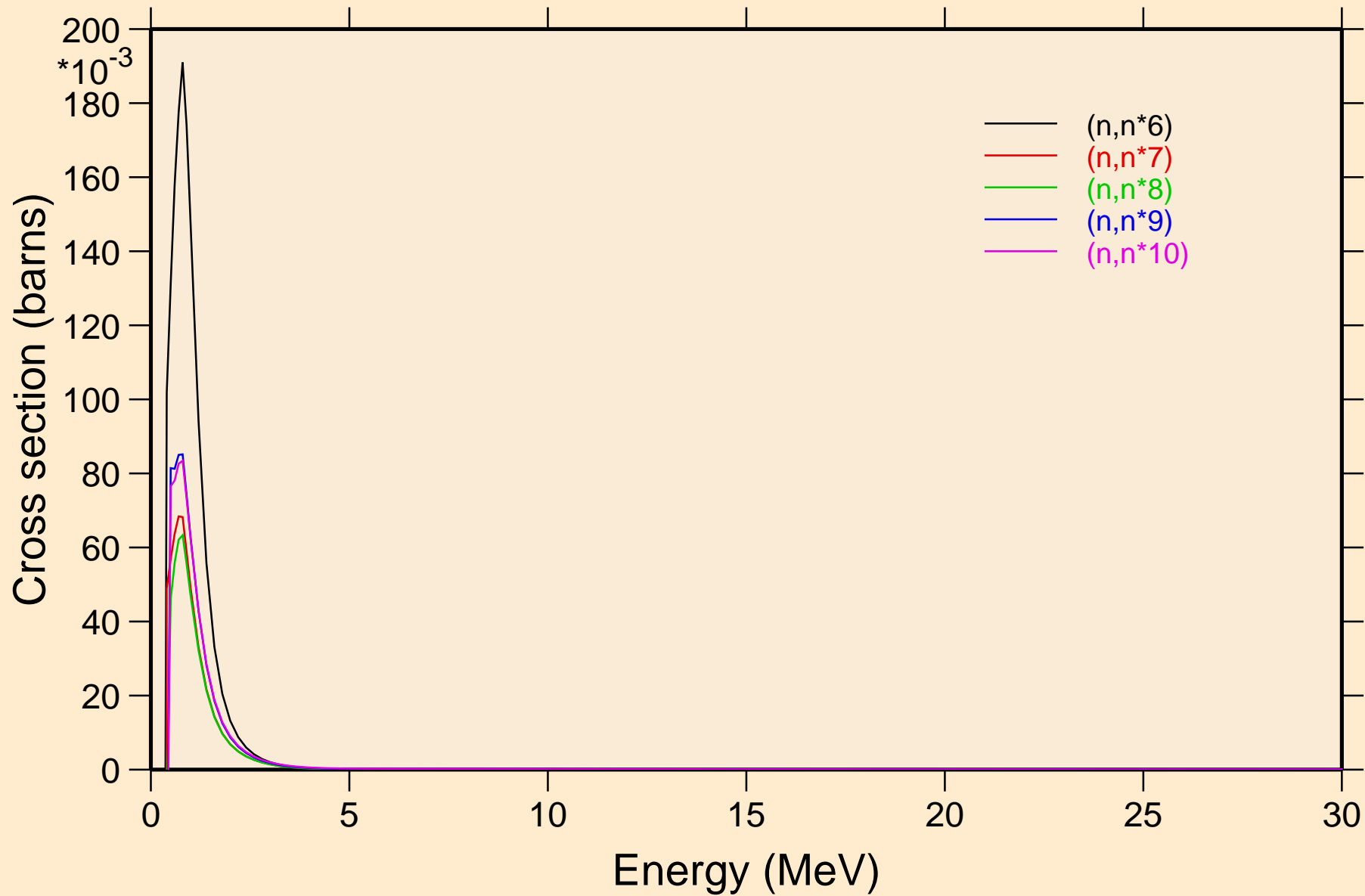


HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels

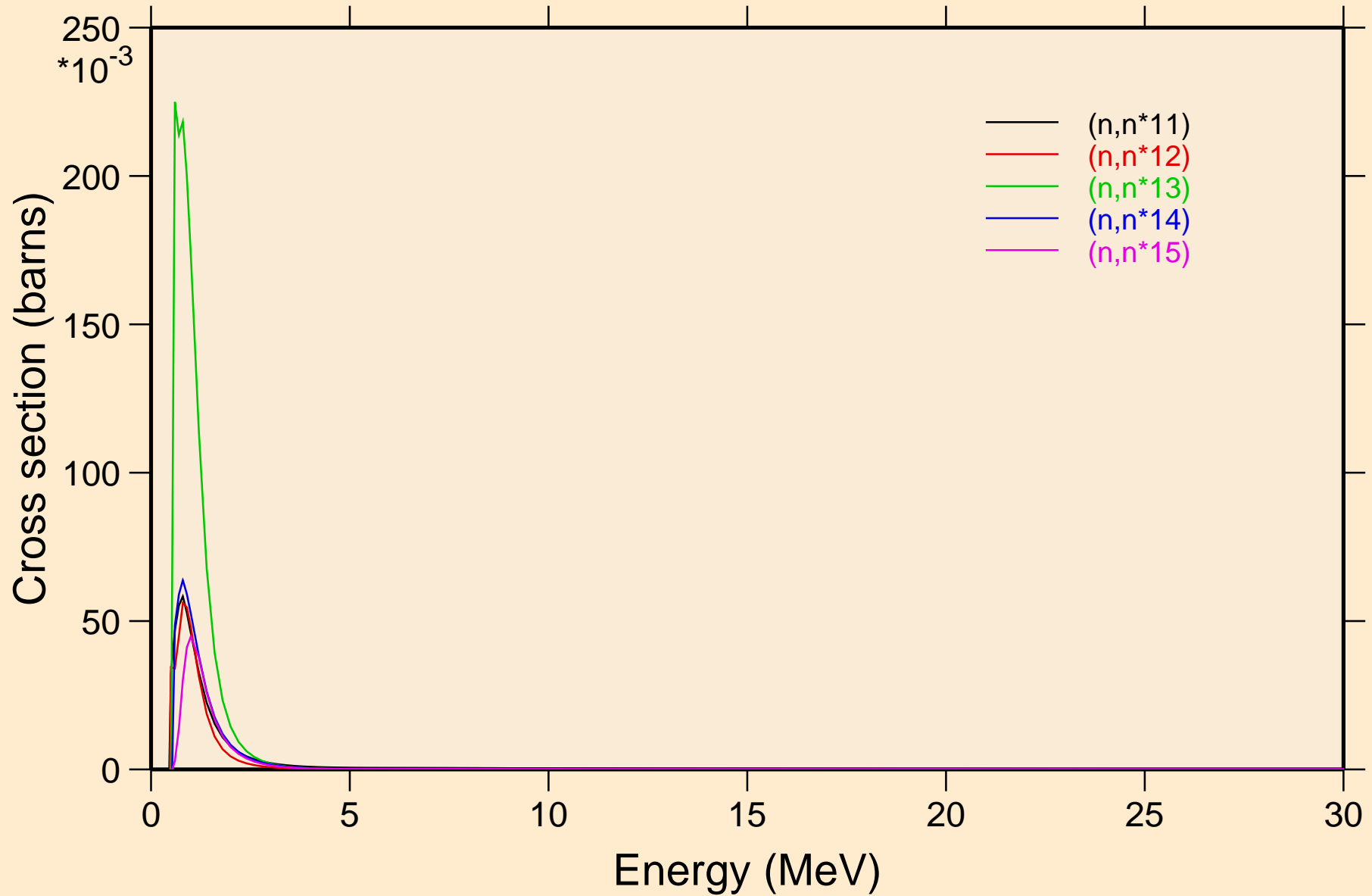


# HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Inelastic levels

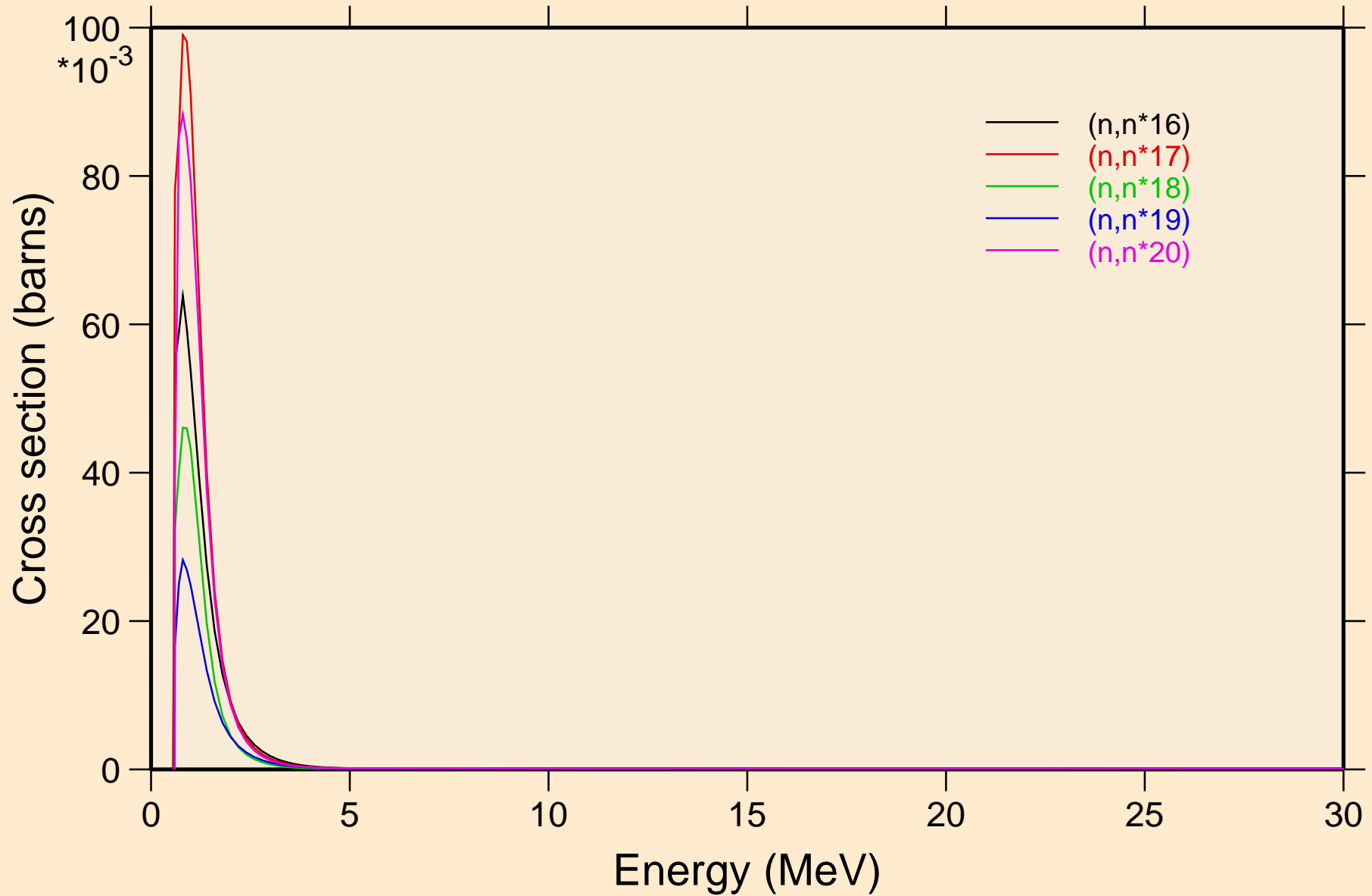


HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



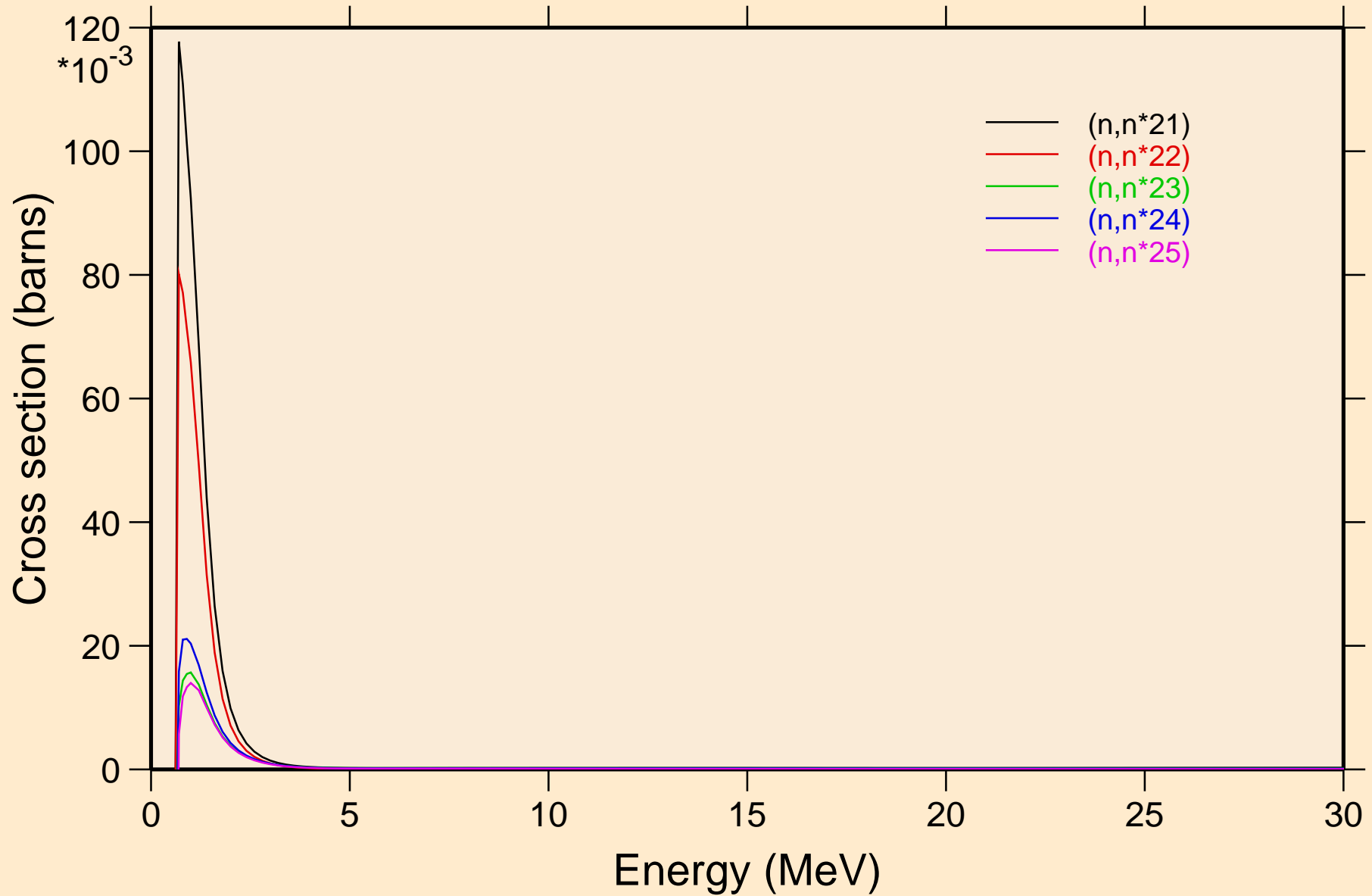
# HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Inelastic levels

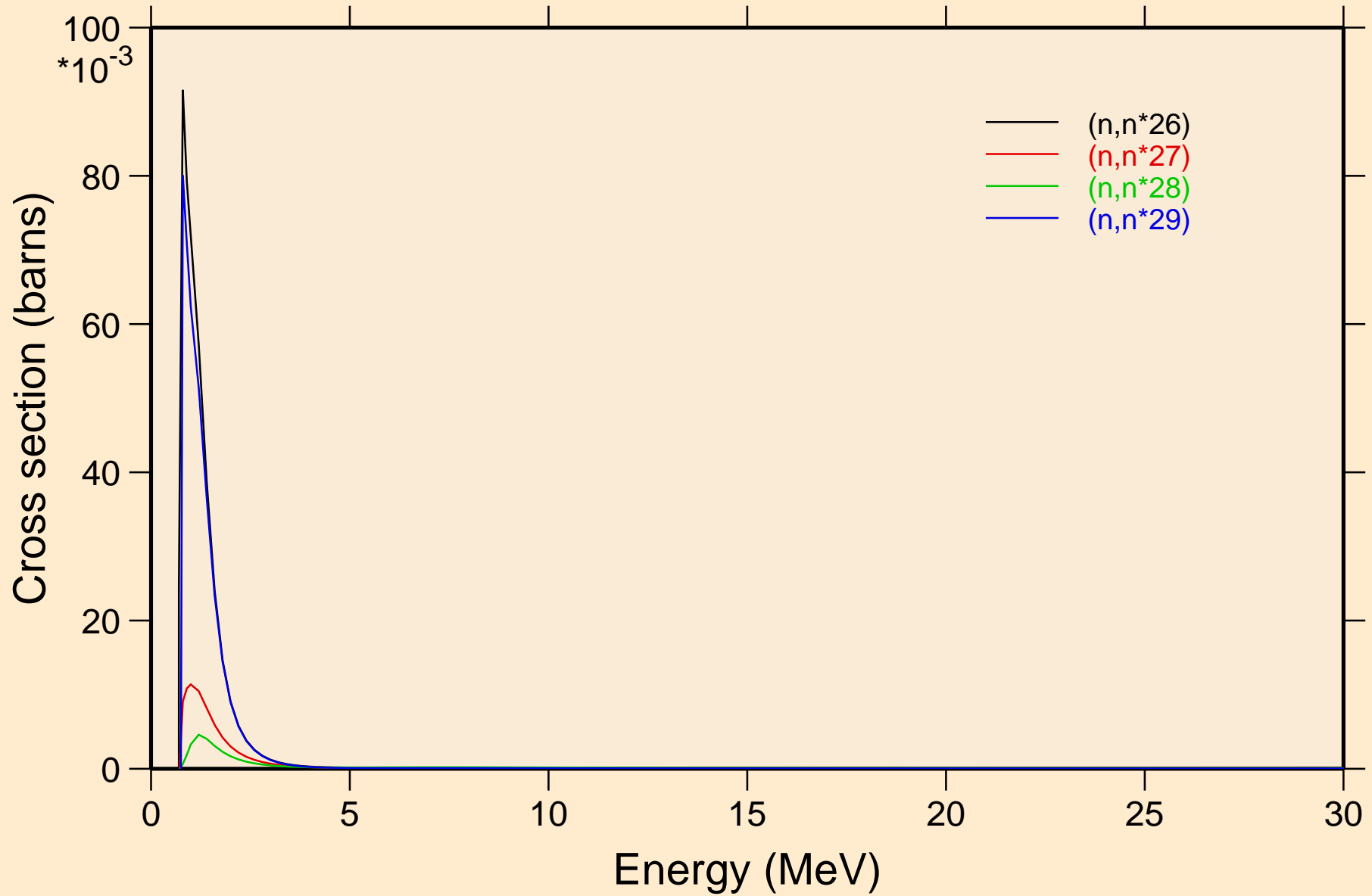


# HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Inelastic levels

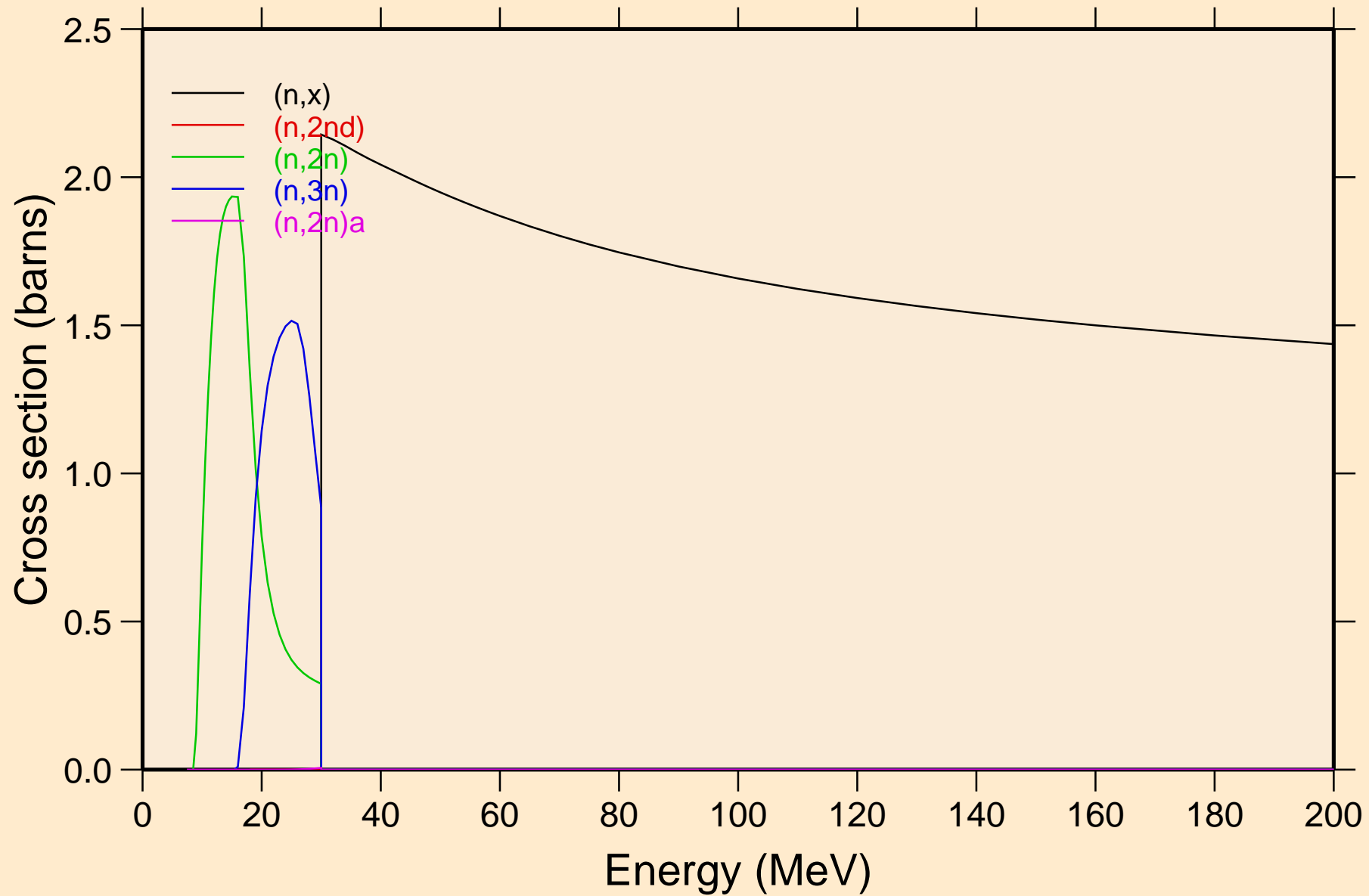


HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



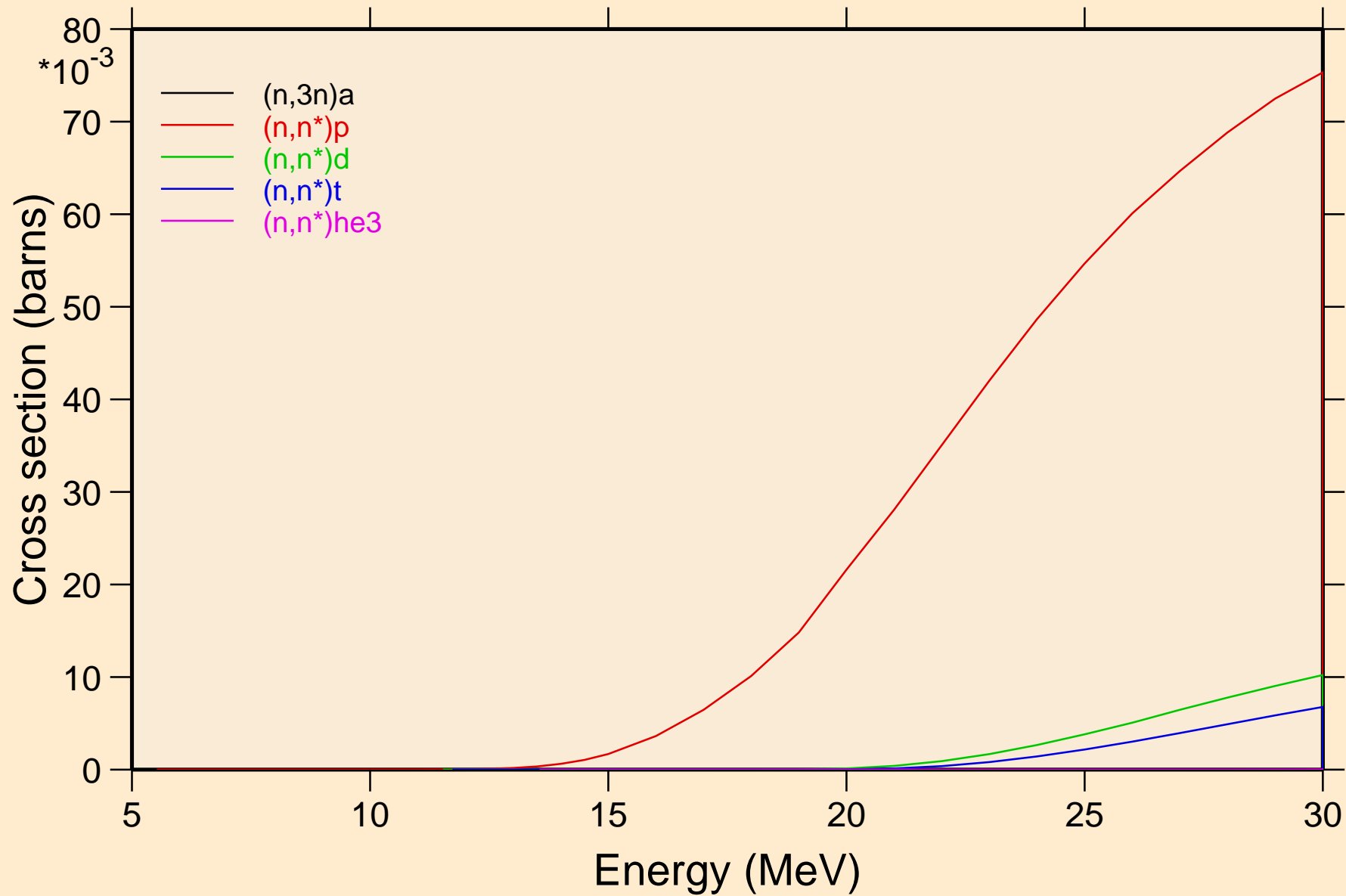
# HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions



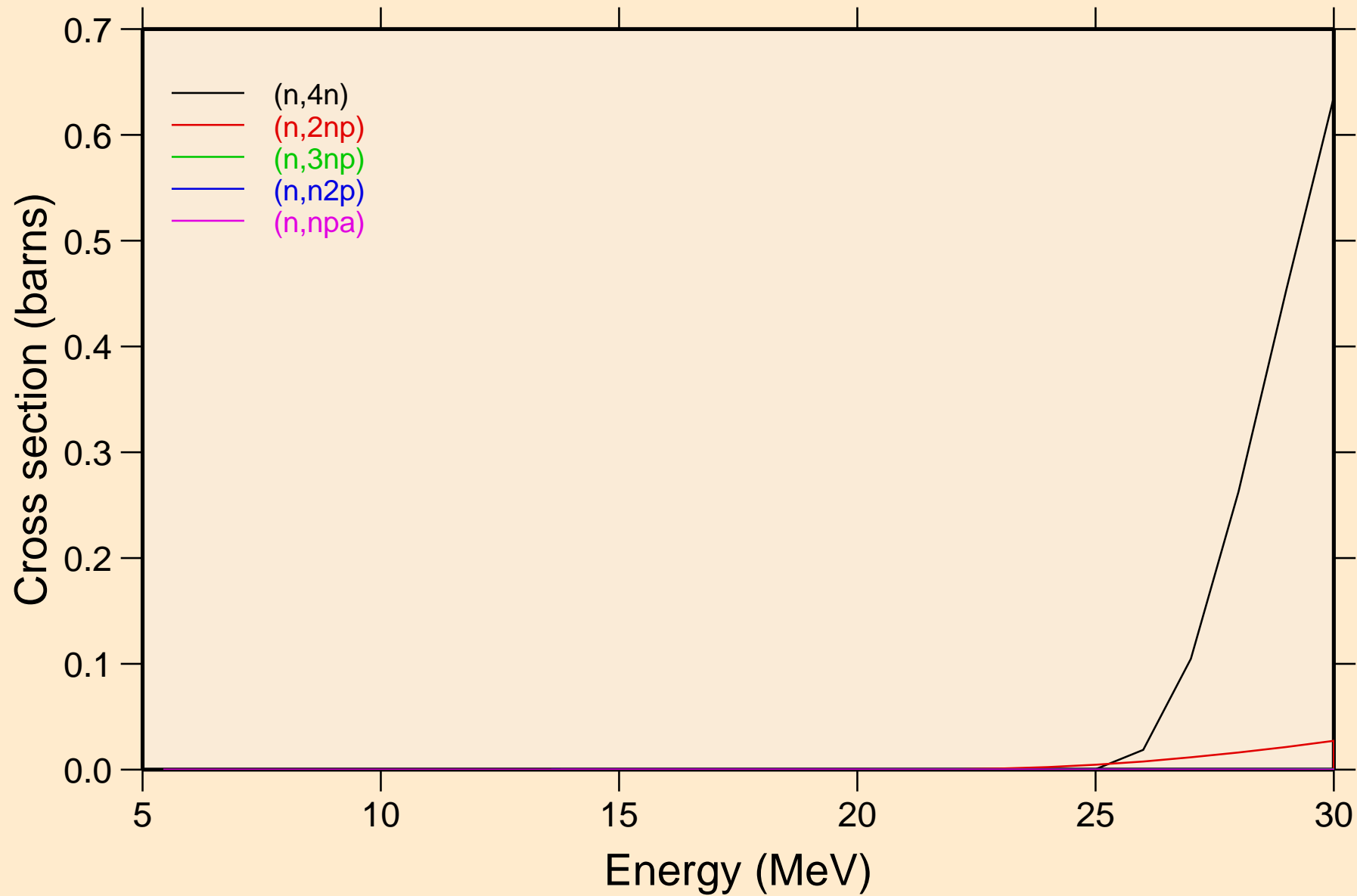
# HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions



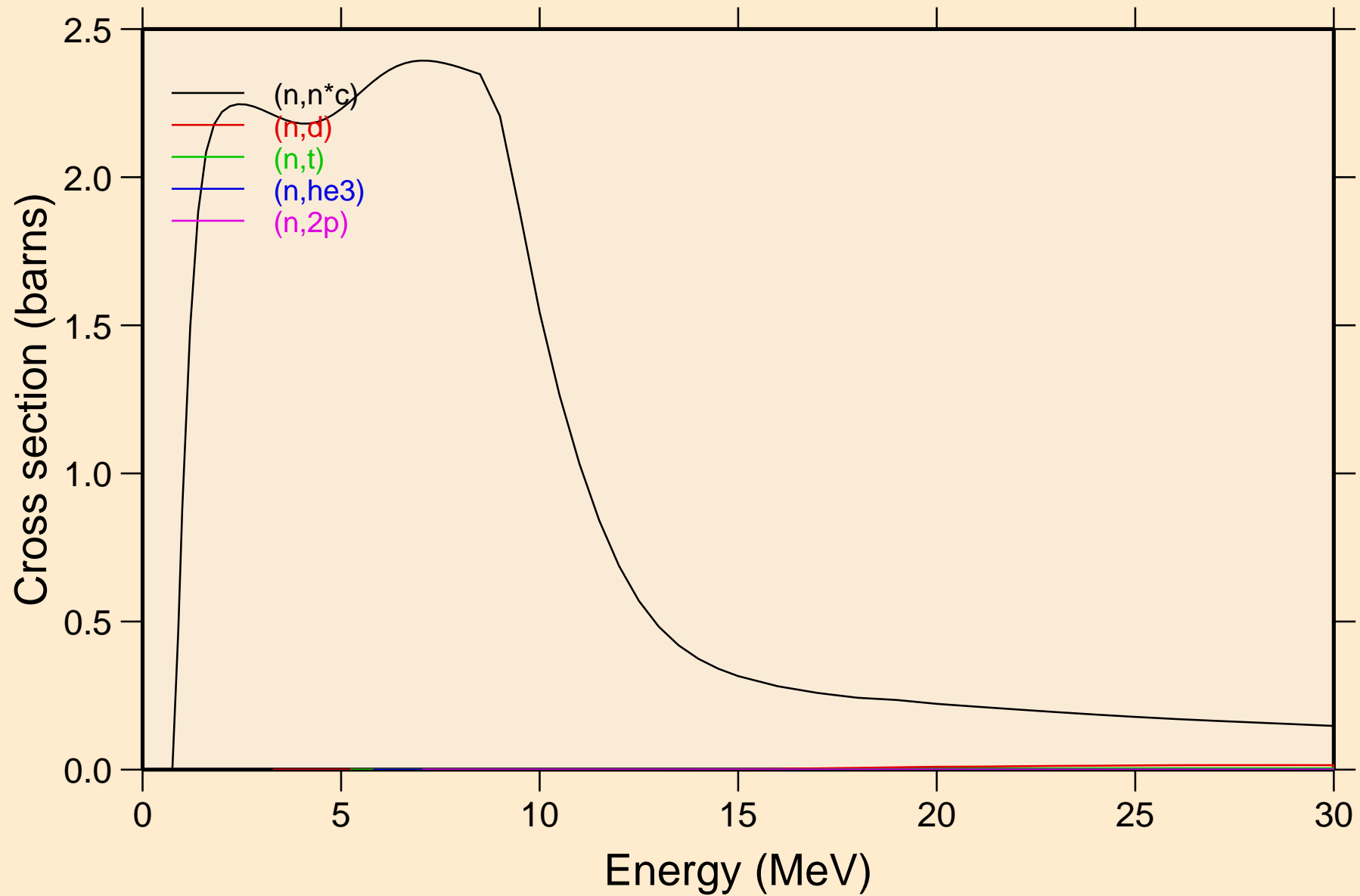


HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



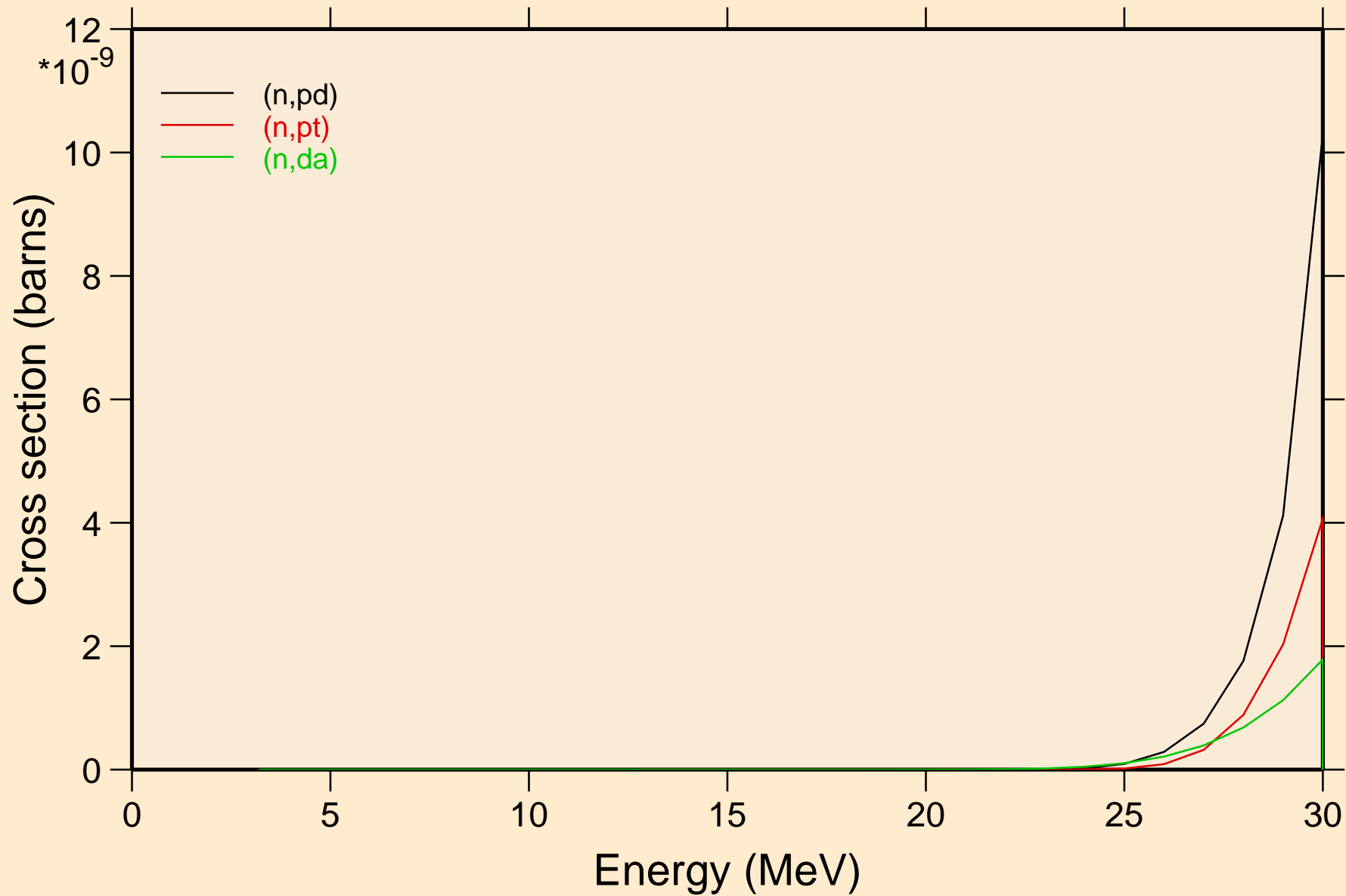
# HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions



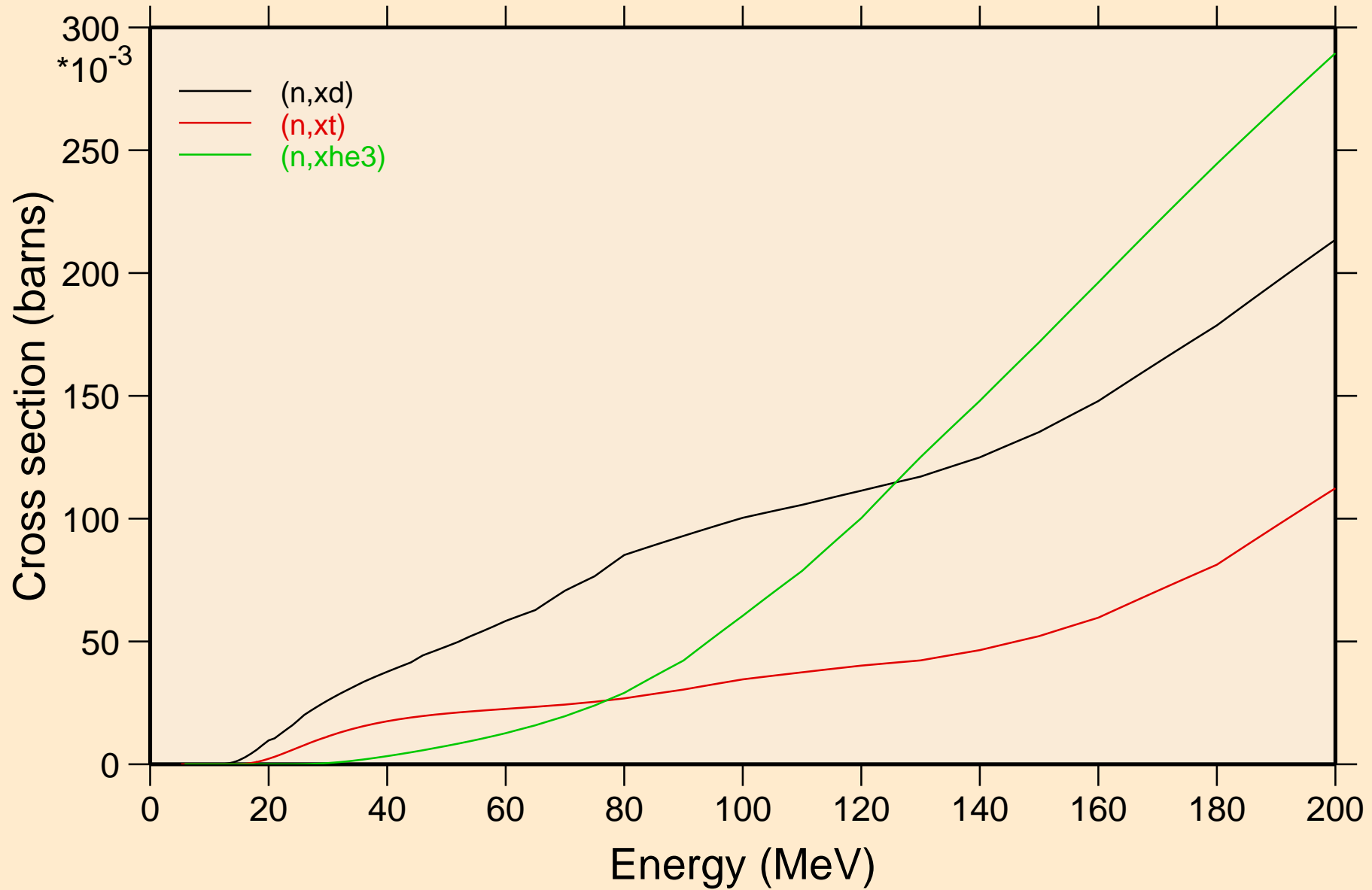
# HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions

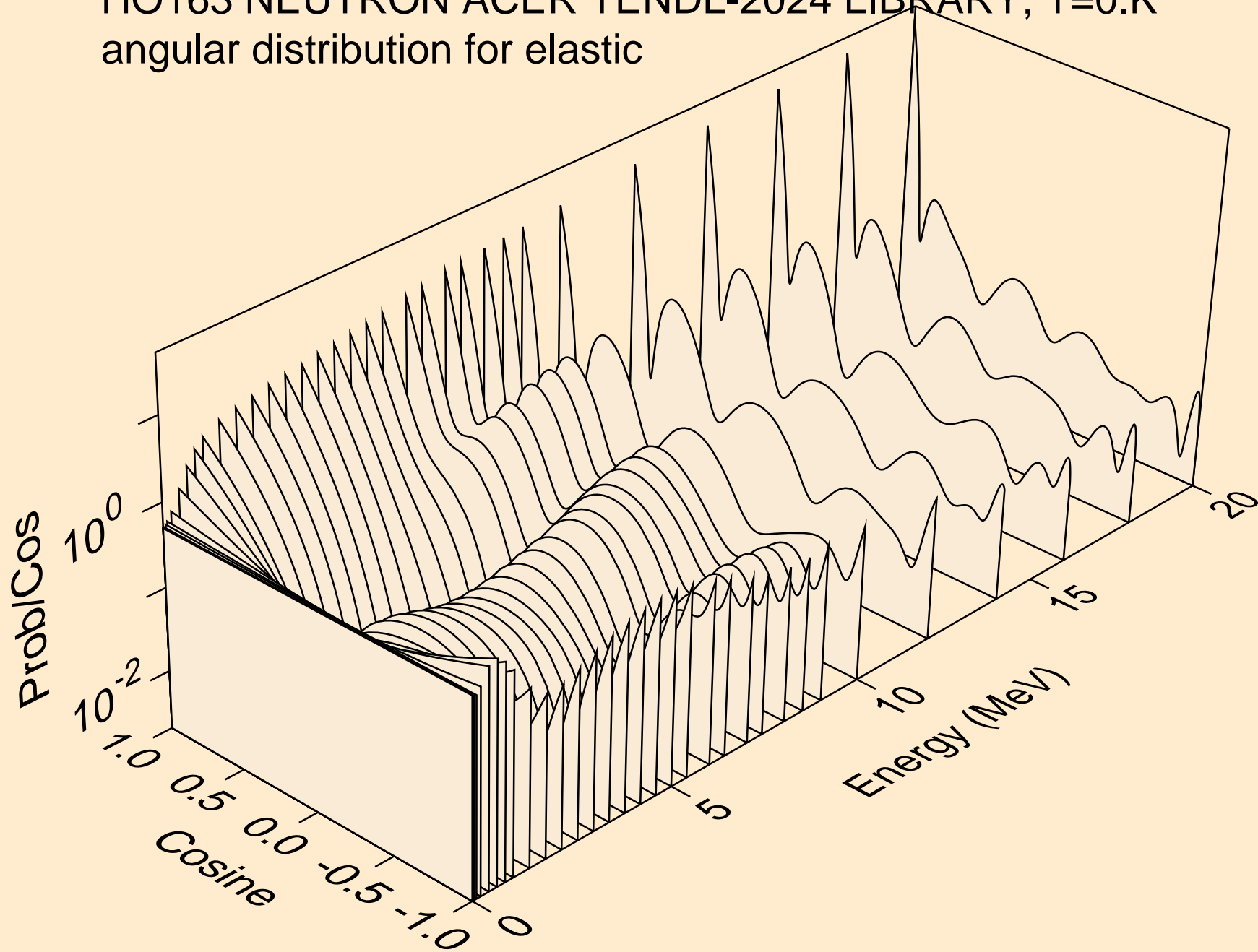


# HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

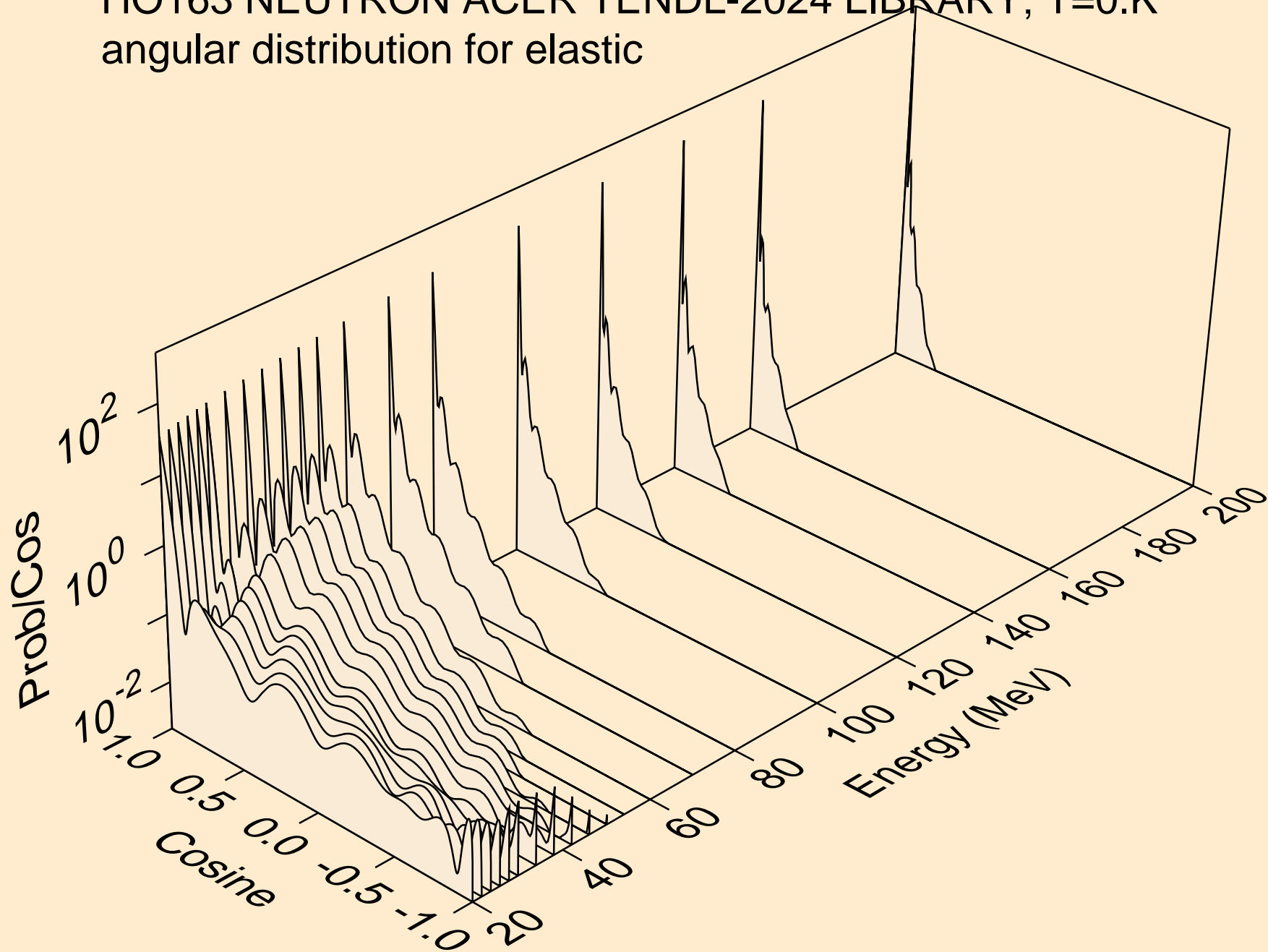
## Threshold reactions



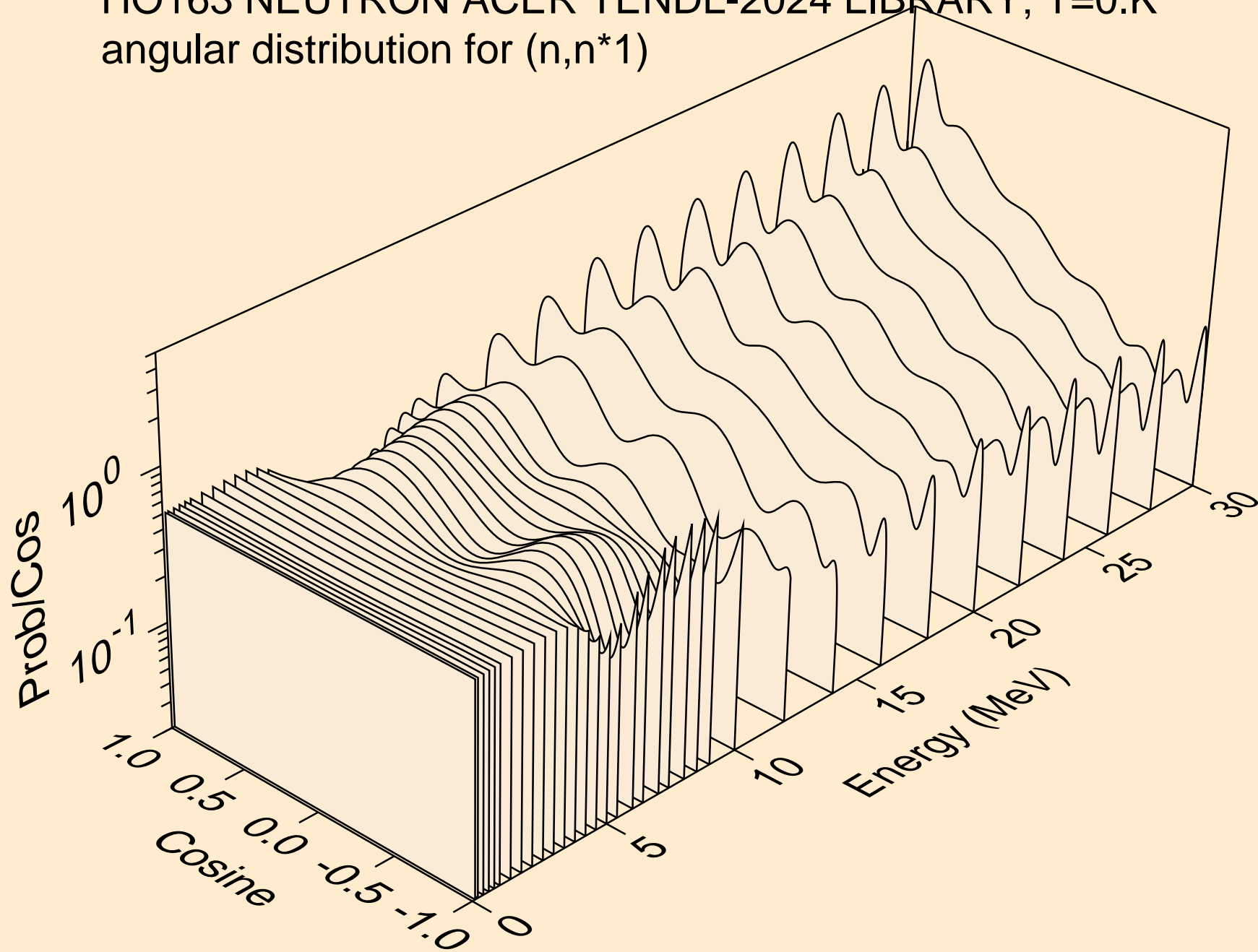
HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



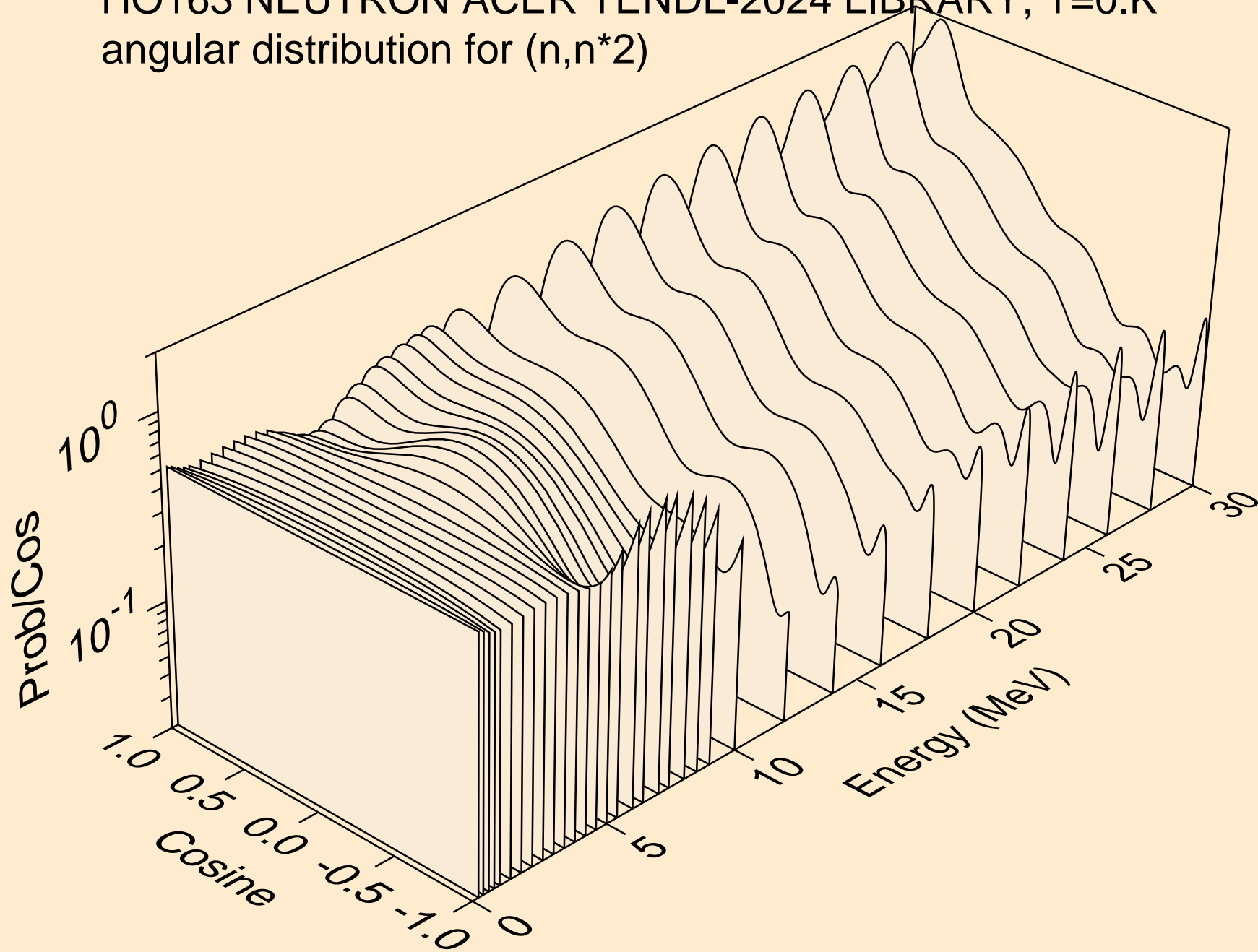
HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*1)

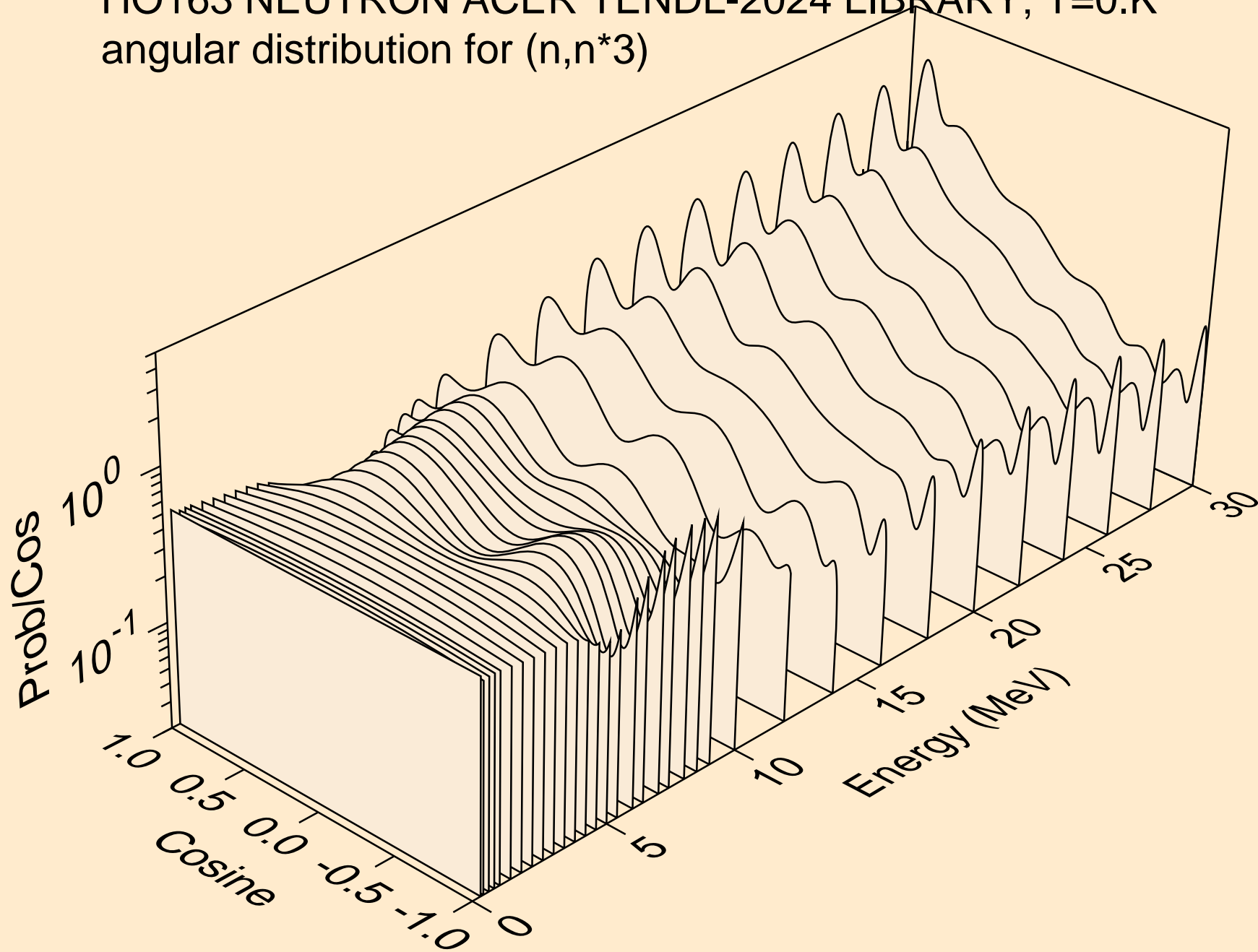


HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*2)

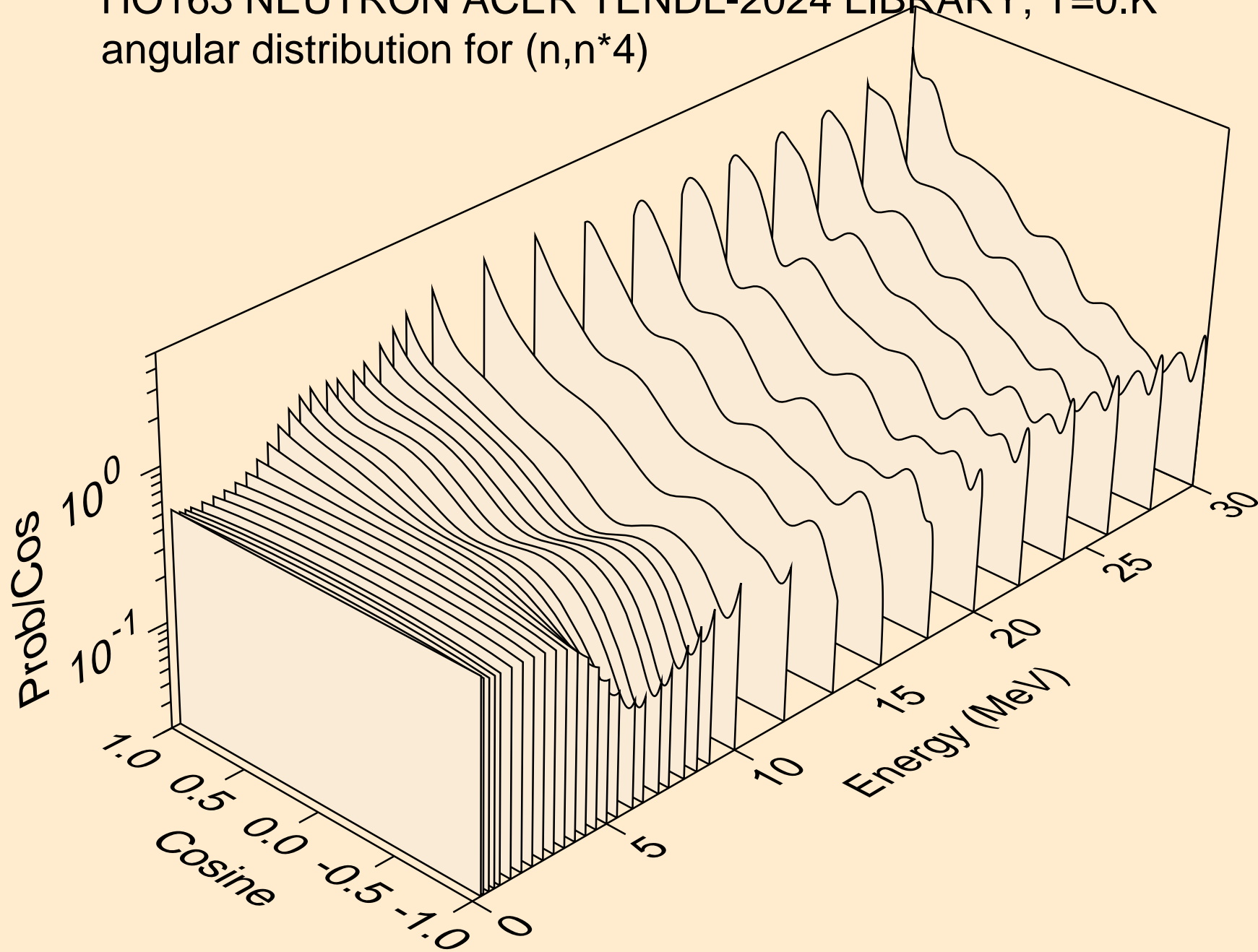




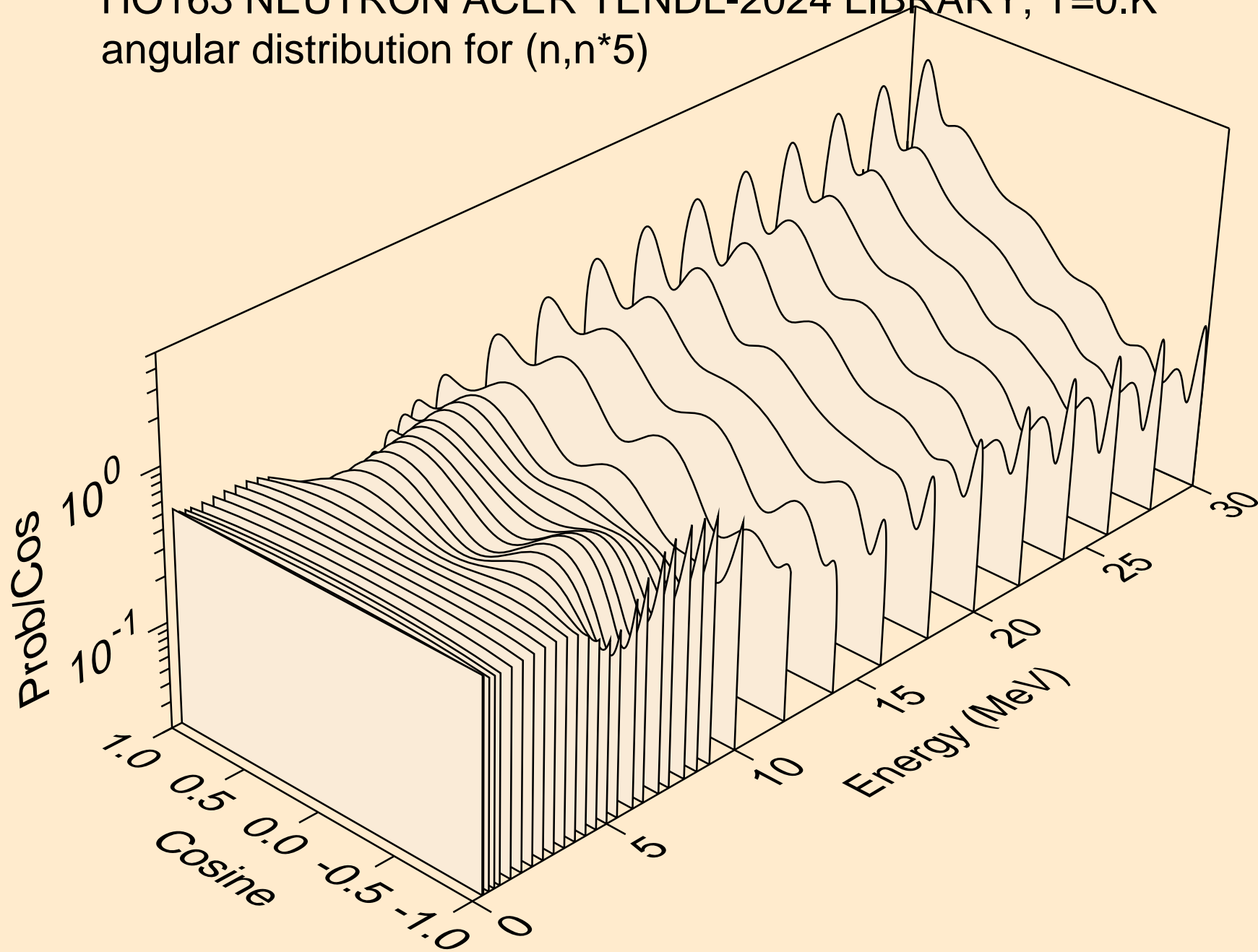
HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*3)



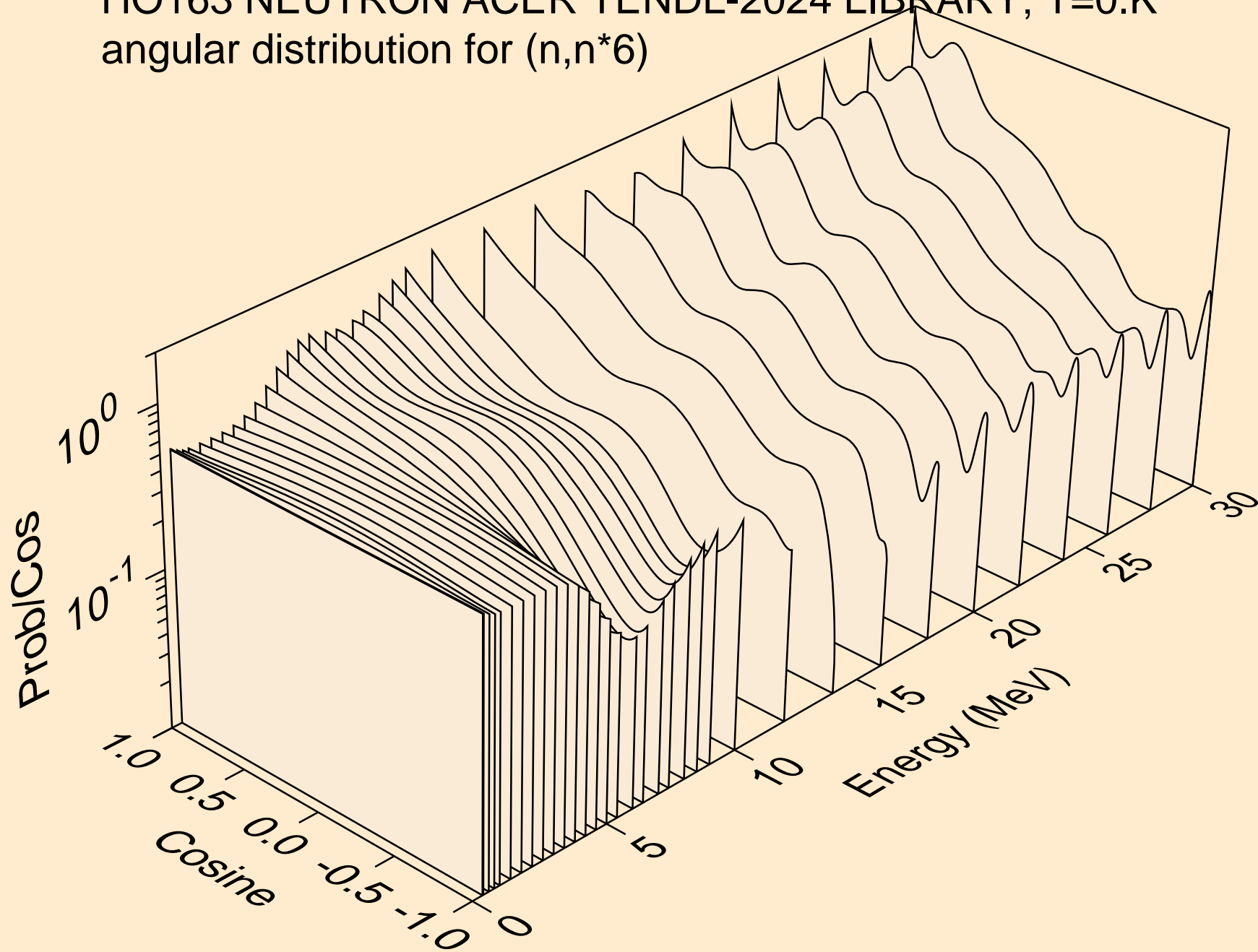
HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*4)



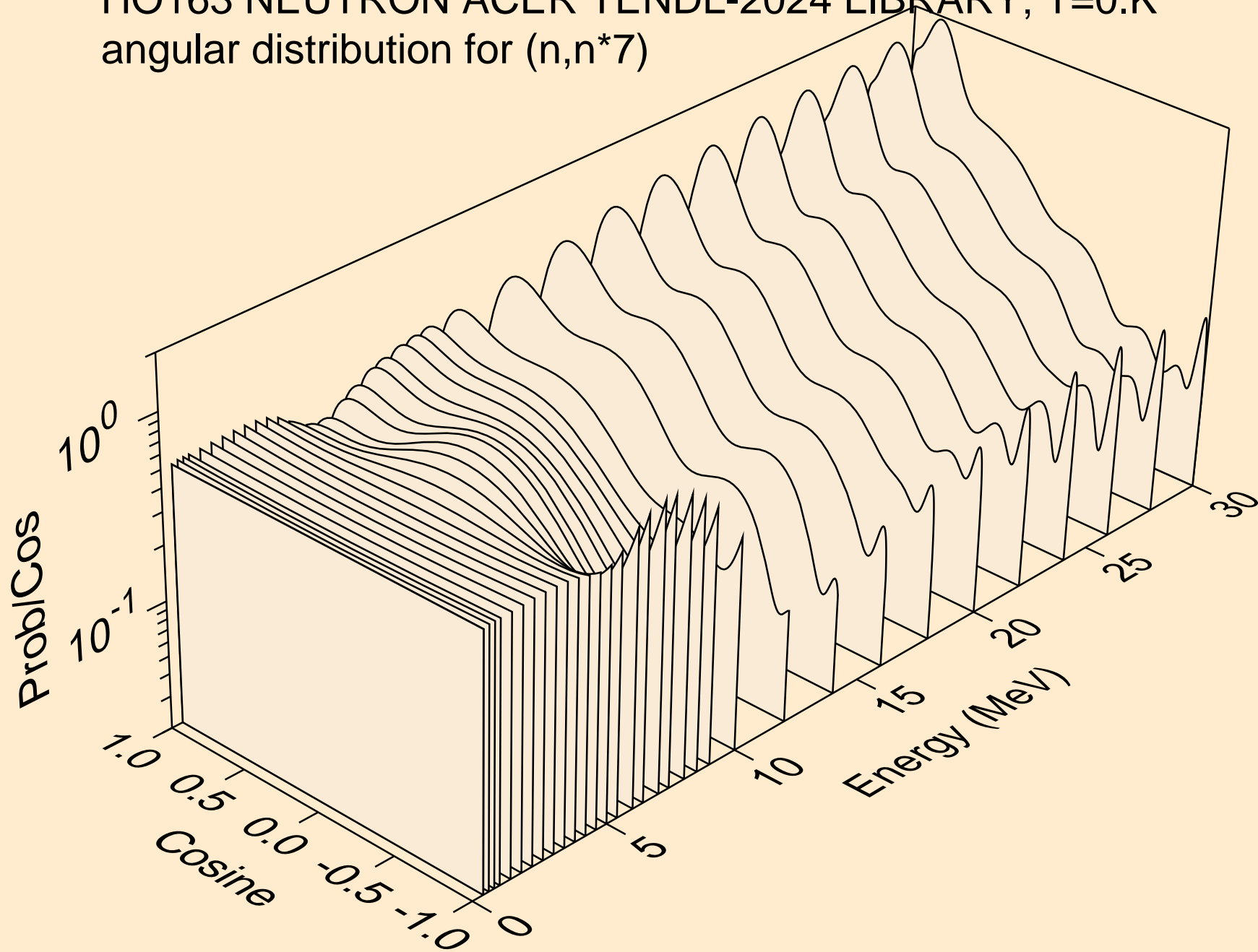
HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*5)



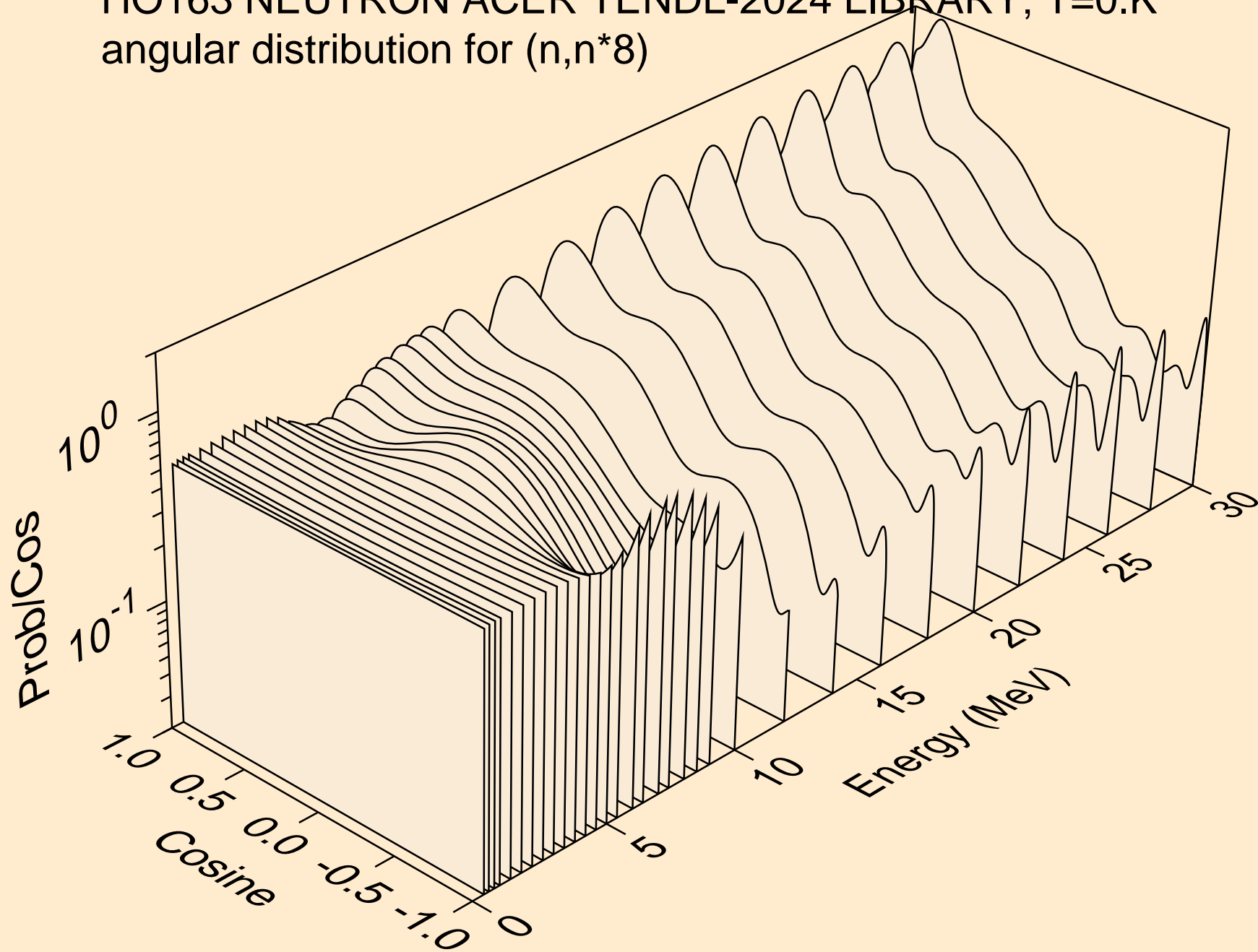
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angular distribution for (n,n\*6)



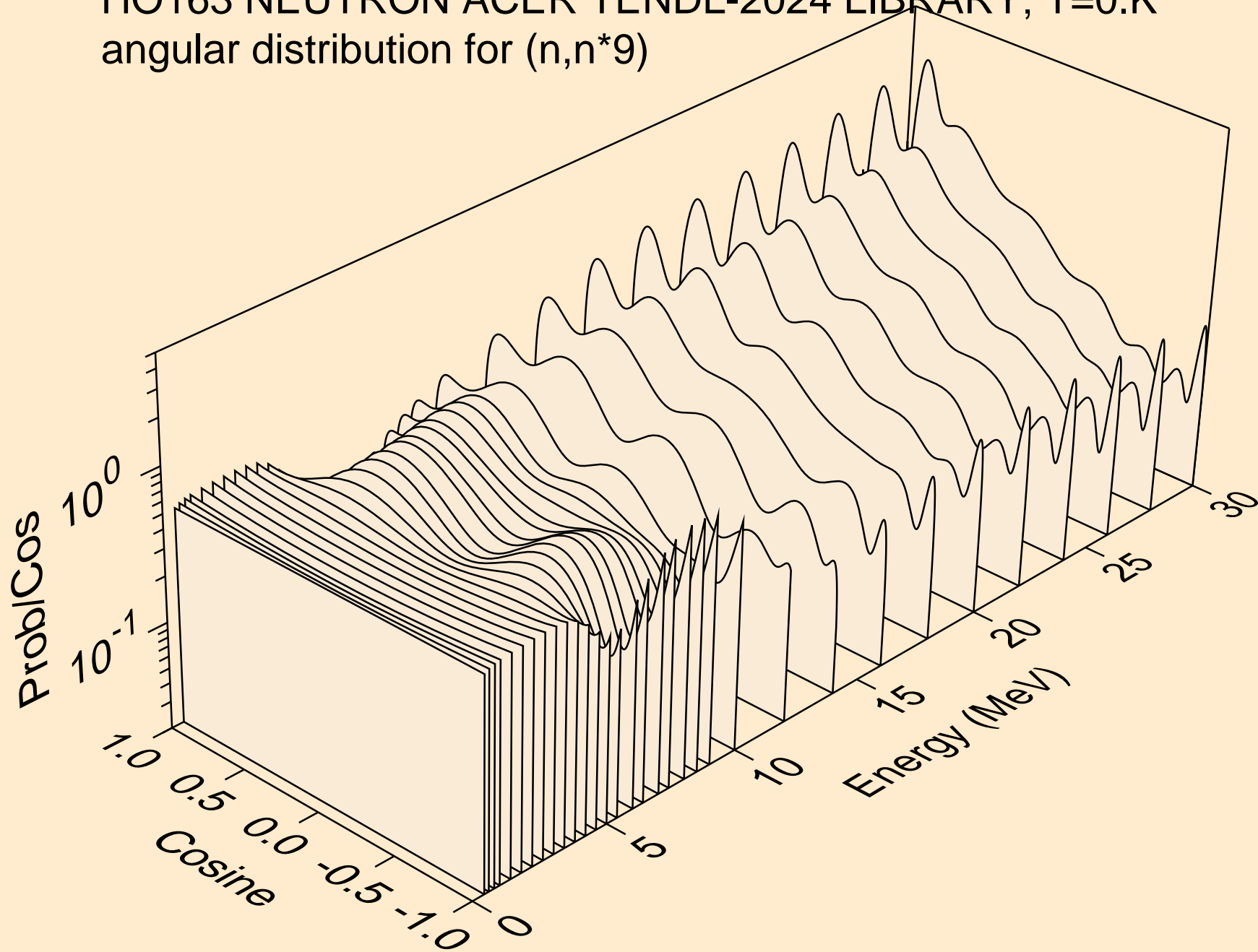
HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*7)



HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*8)

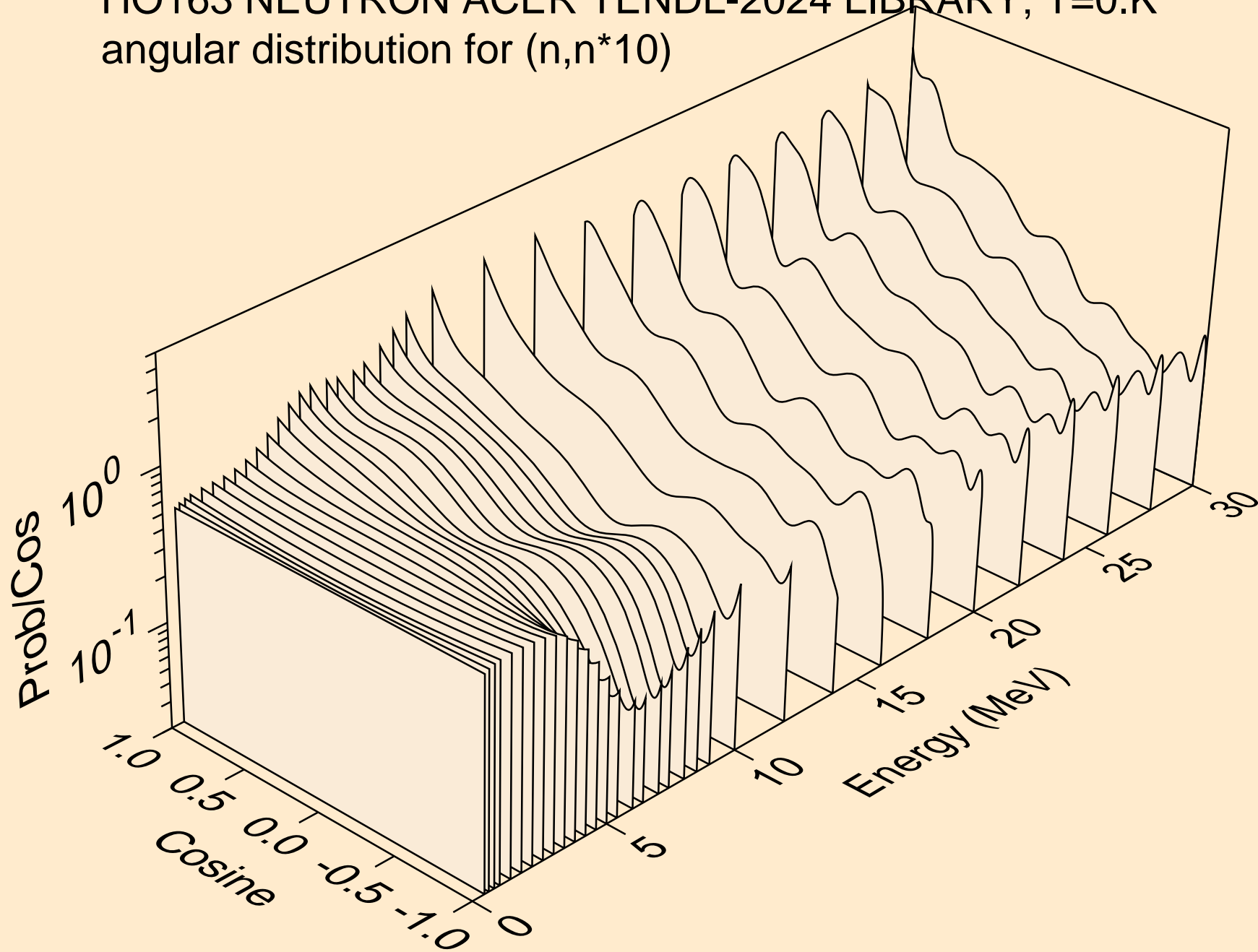


HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*9)



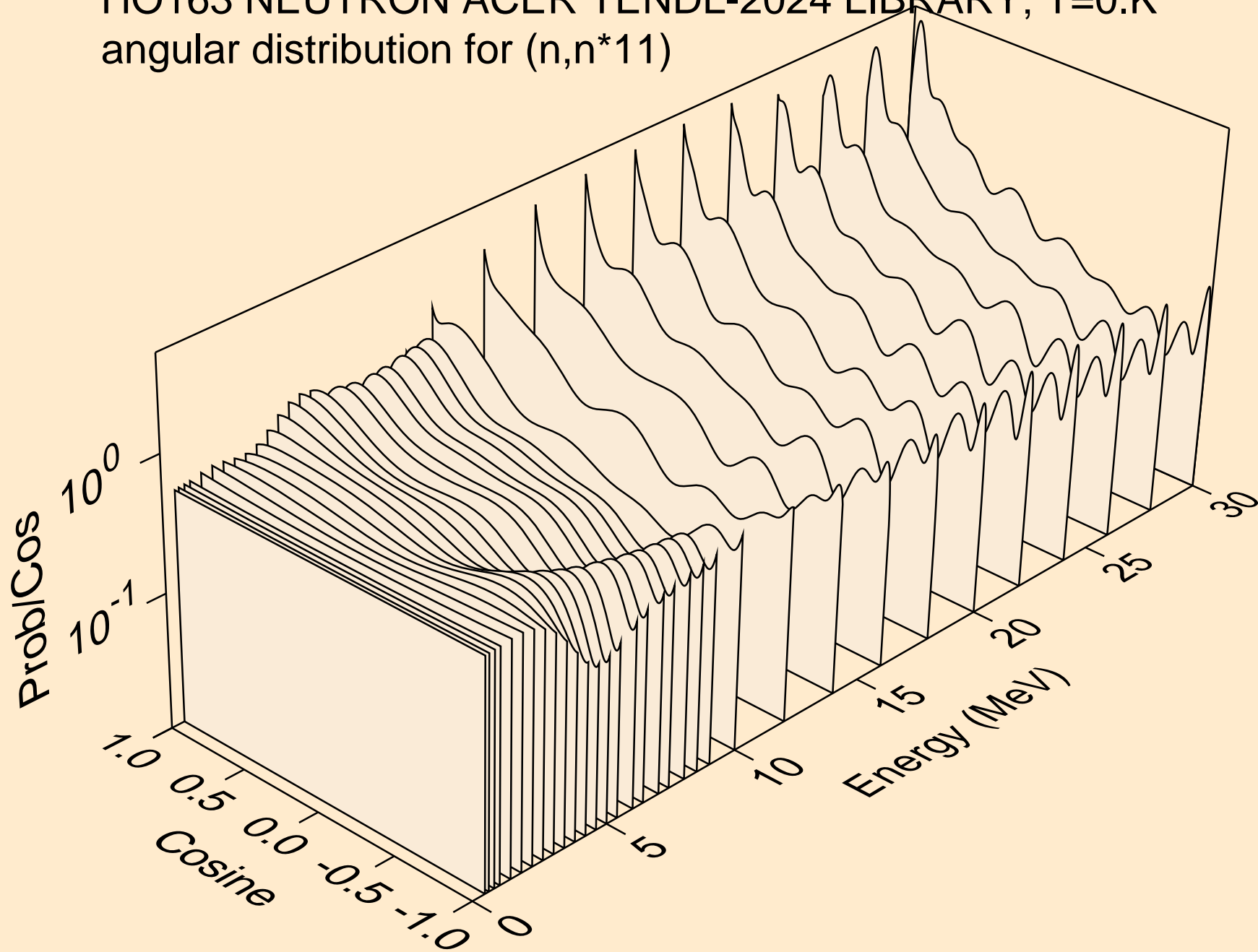


HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*10)

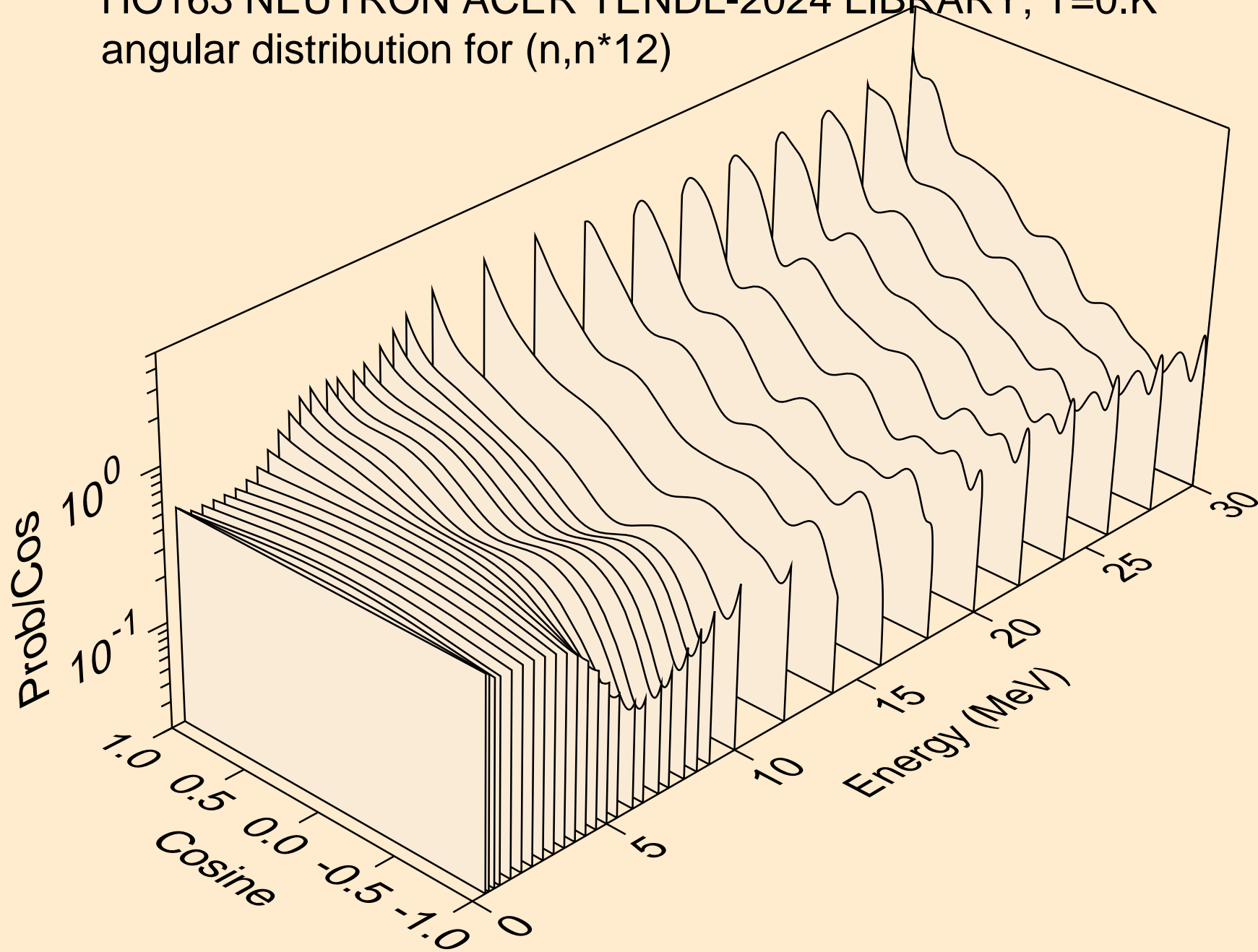




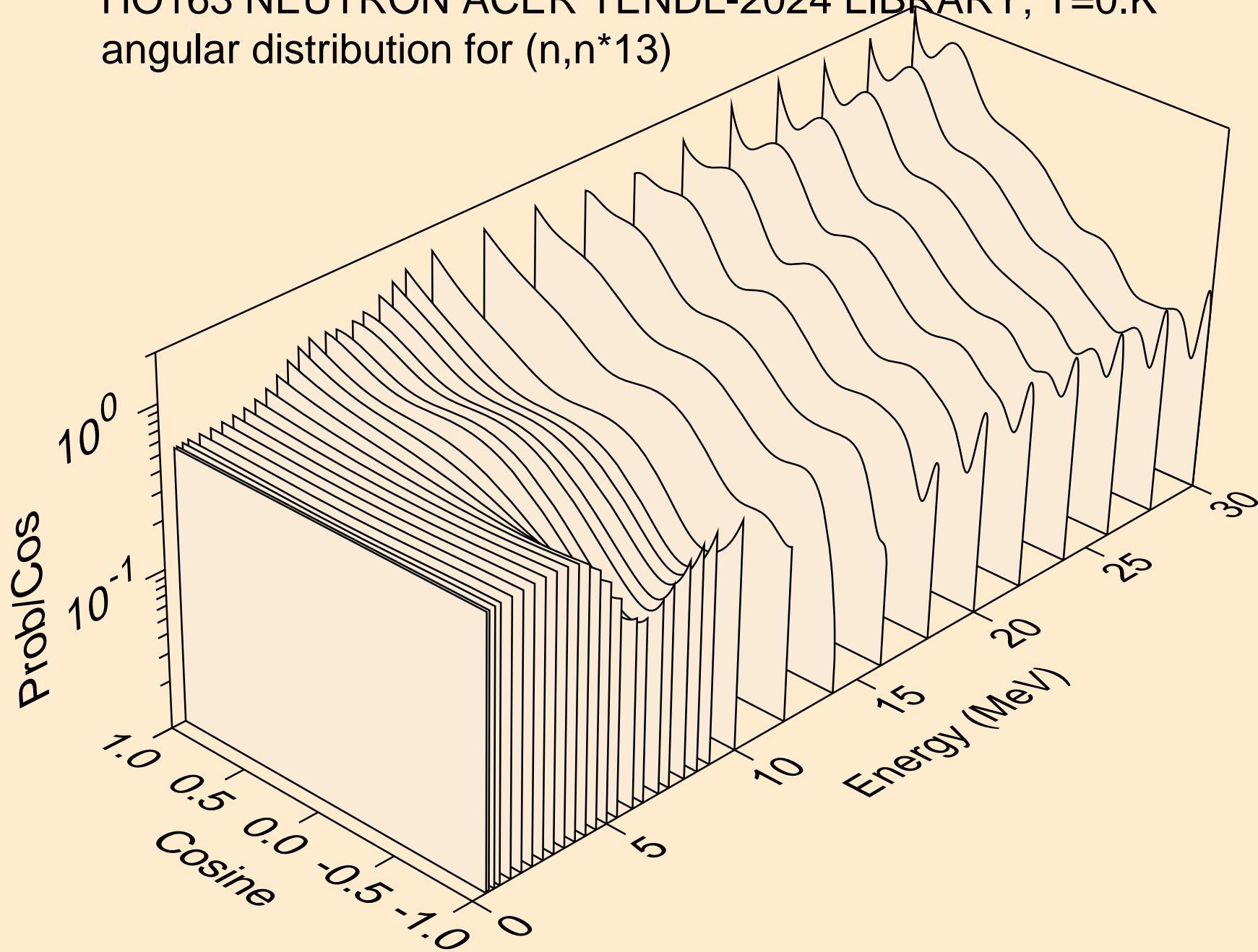
HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*11)



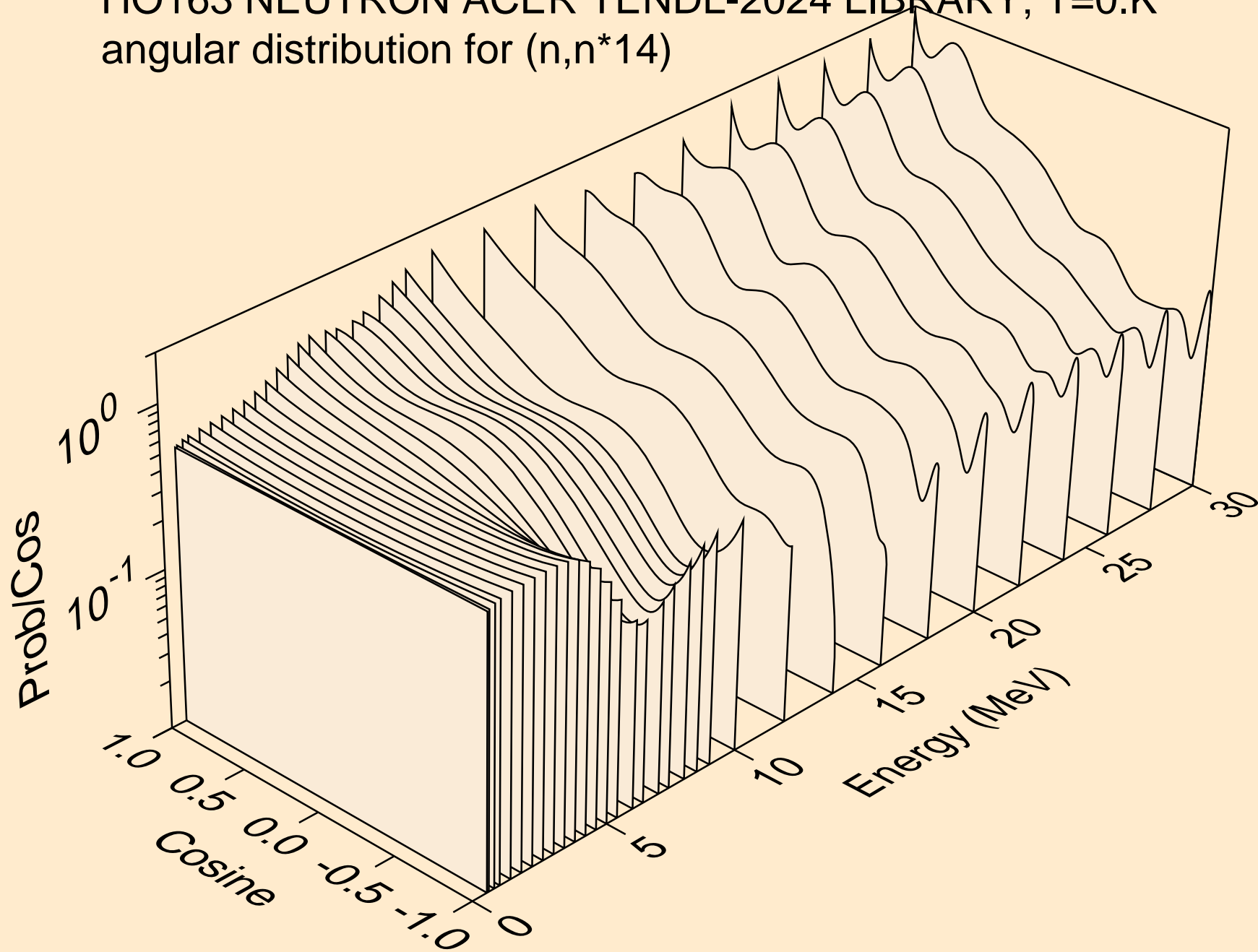
HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*12)



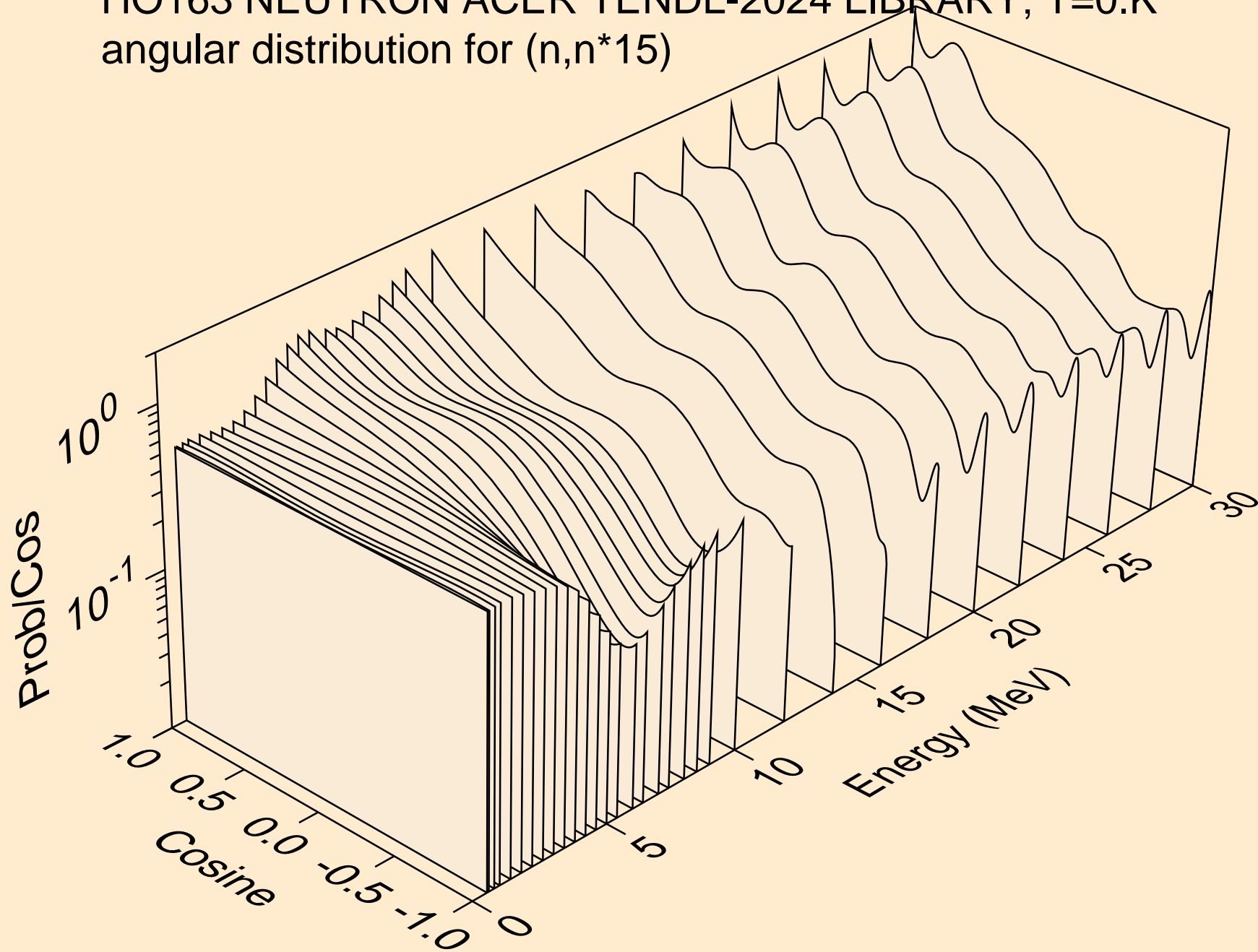
HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*13)



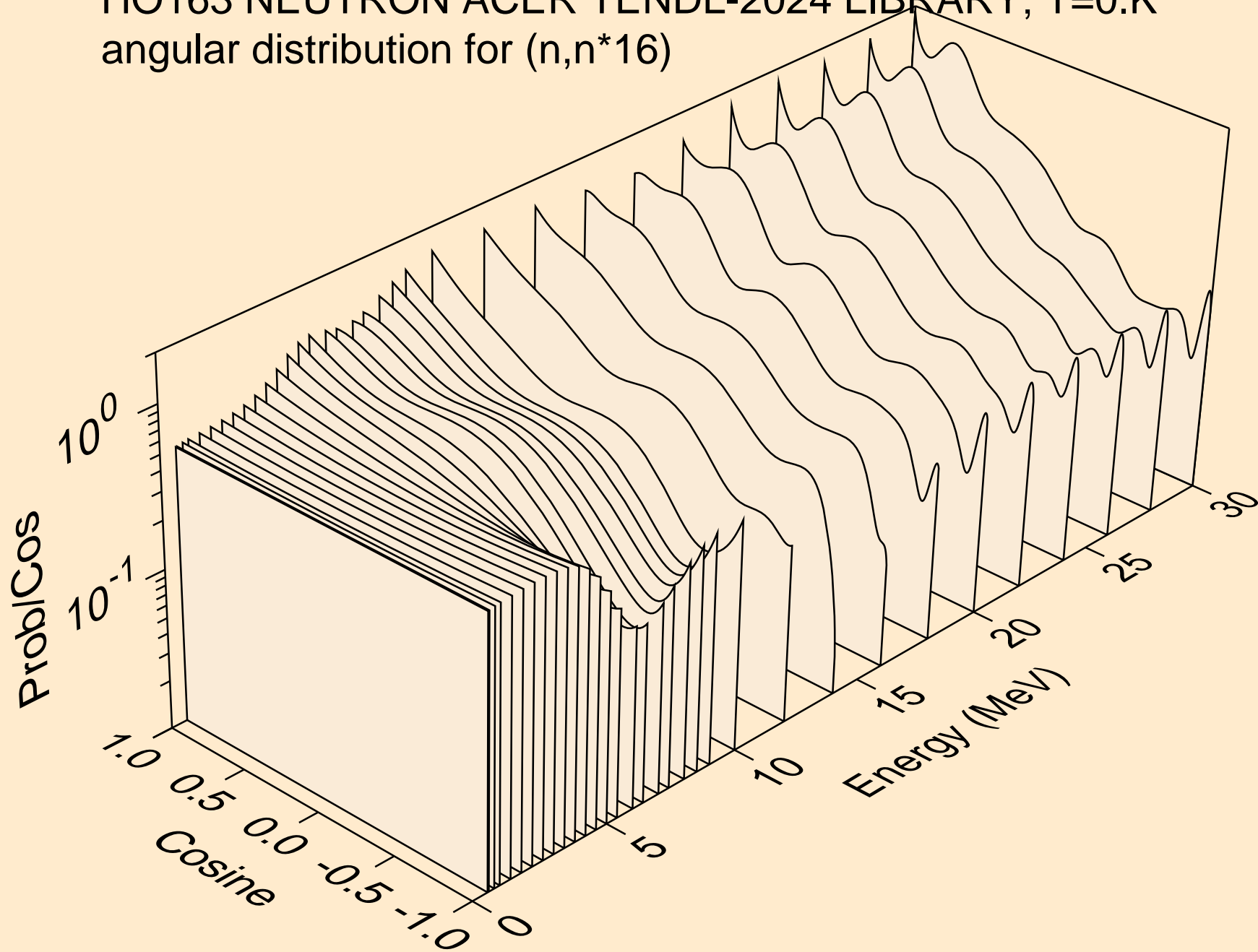
HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*14)



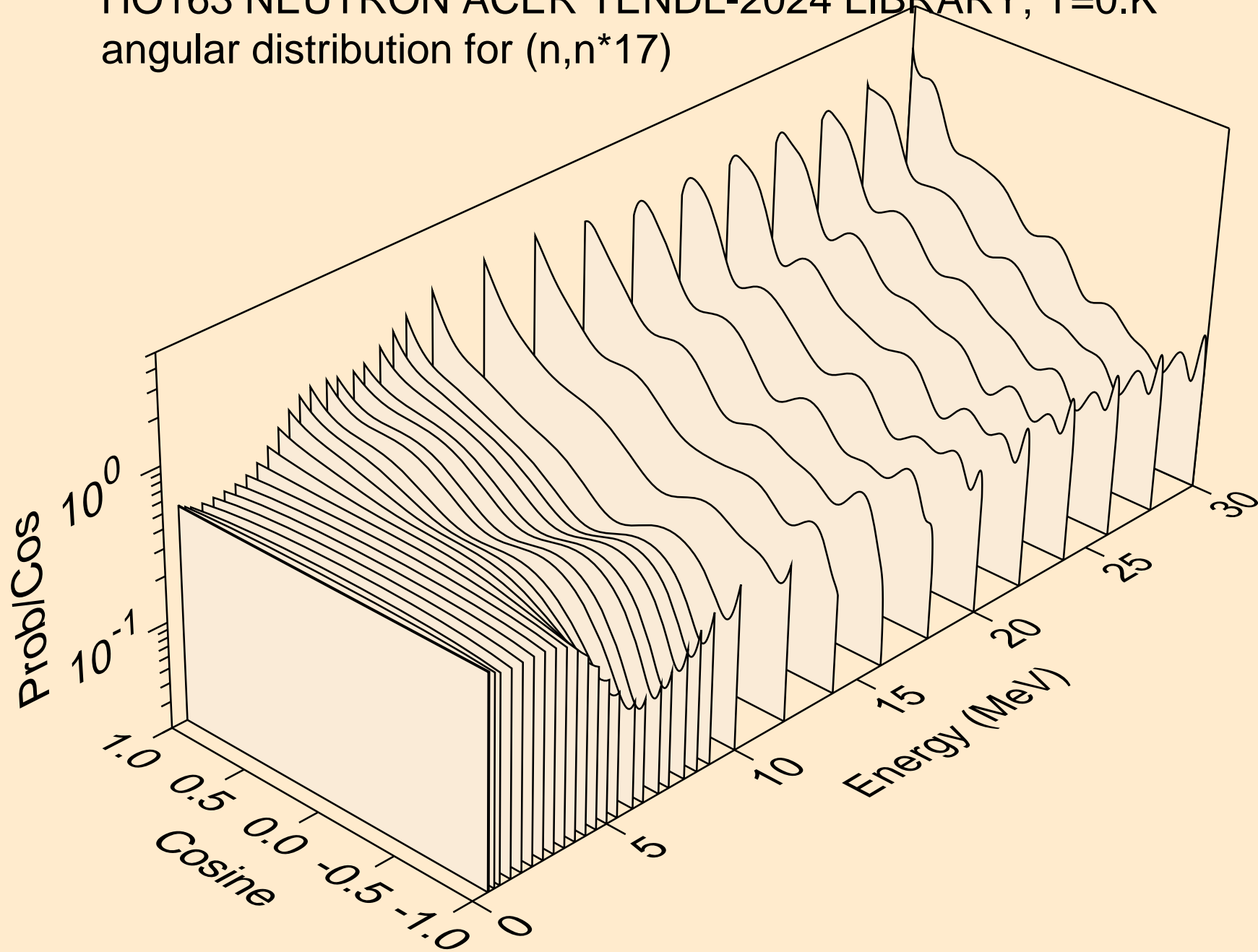
HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*15)



HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*16)

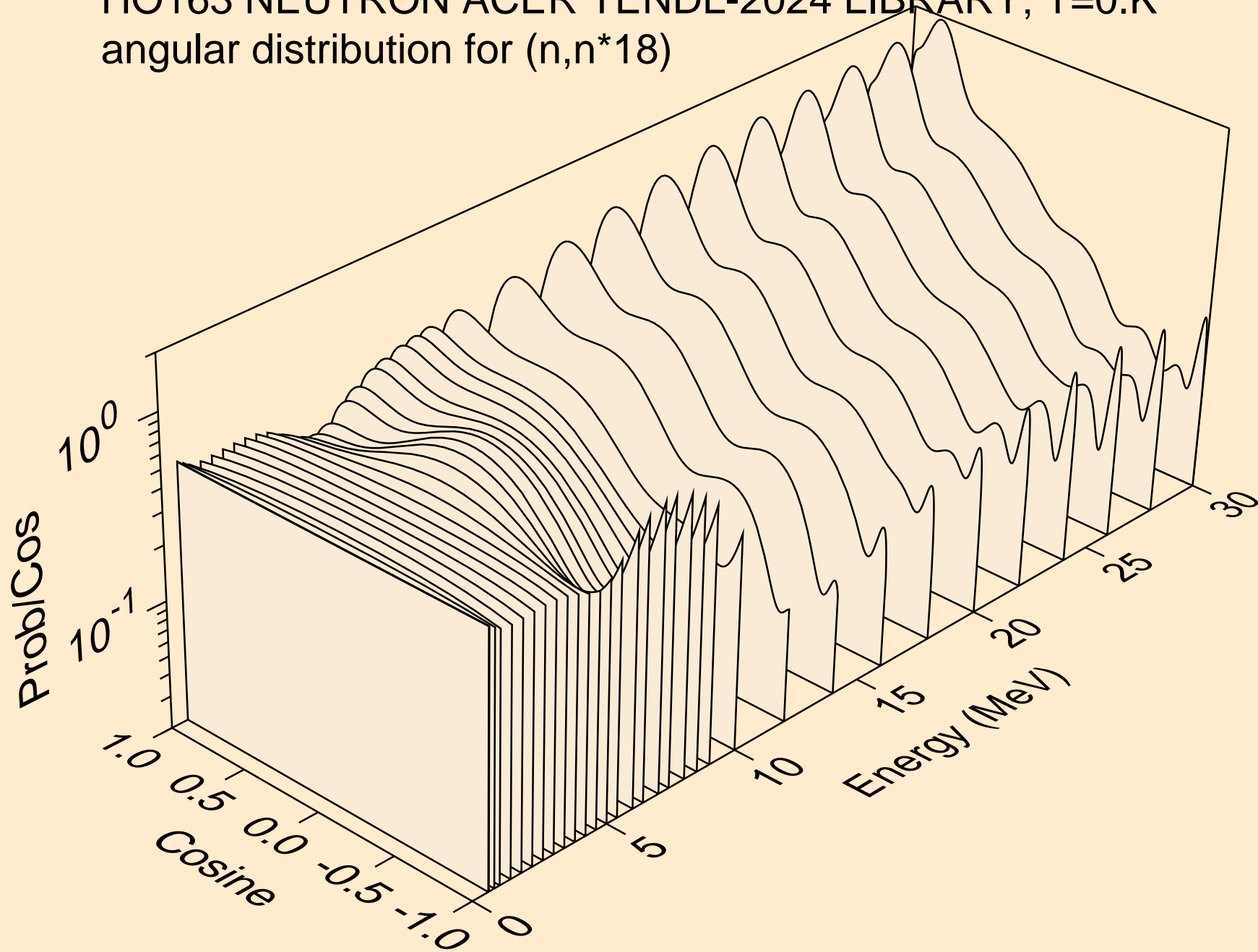


HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*17)



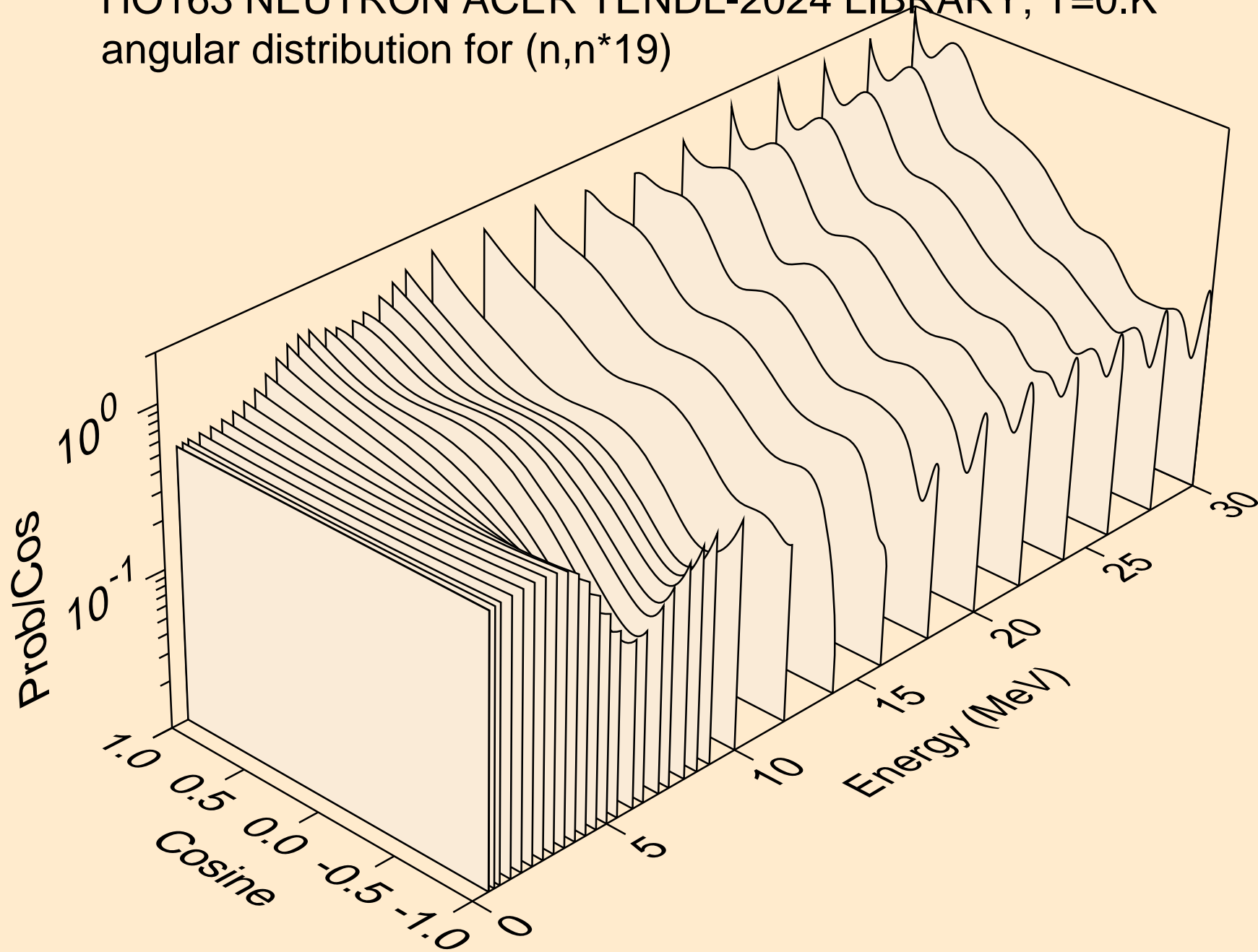


HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*18)

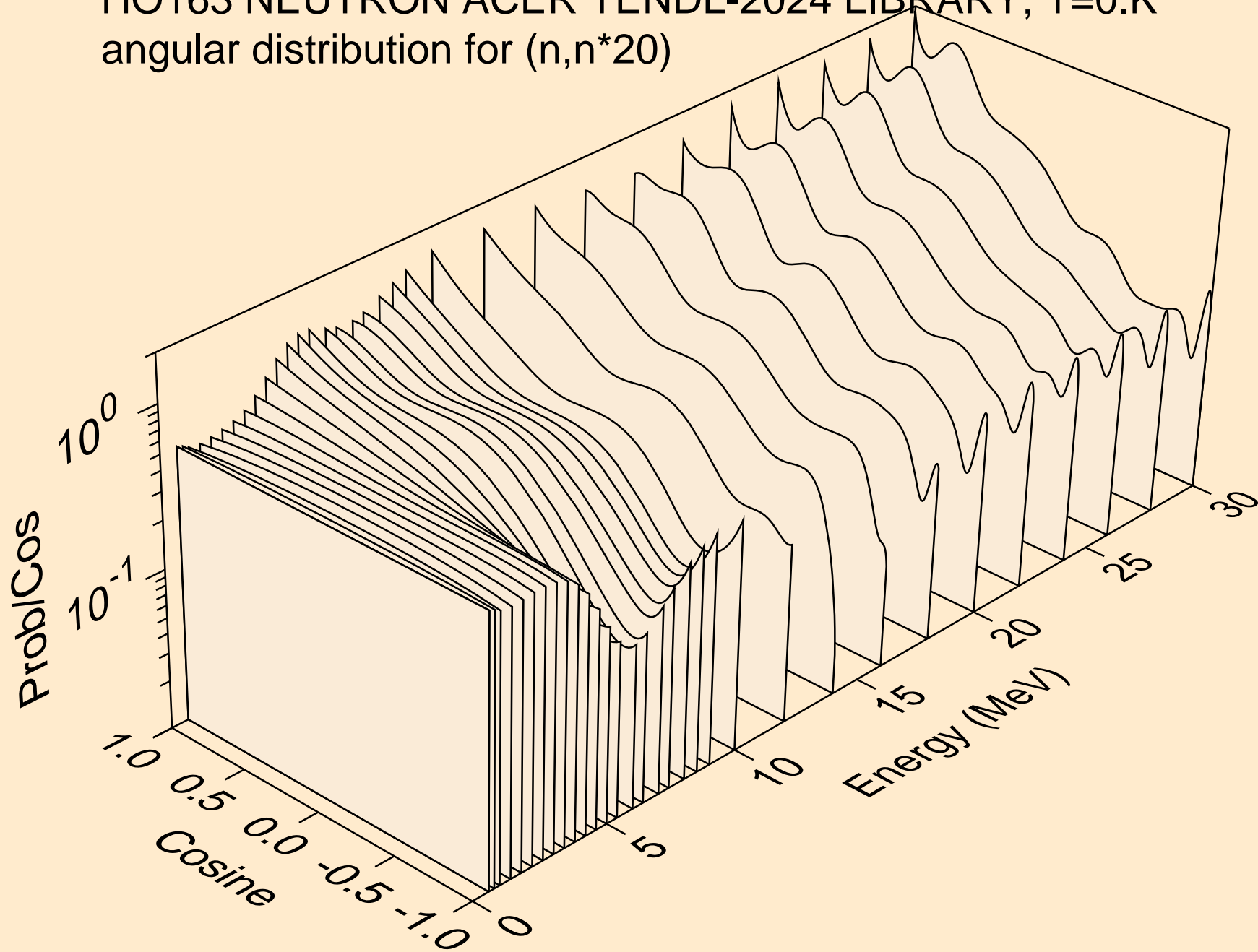




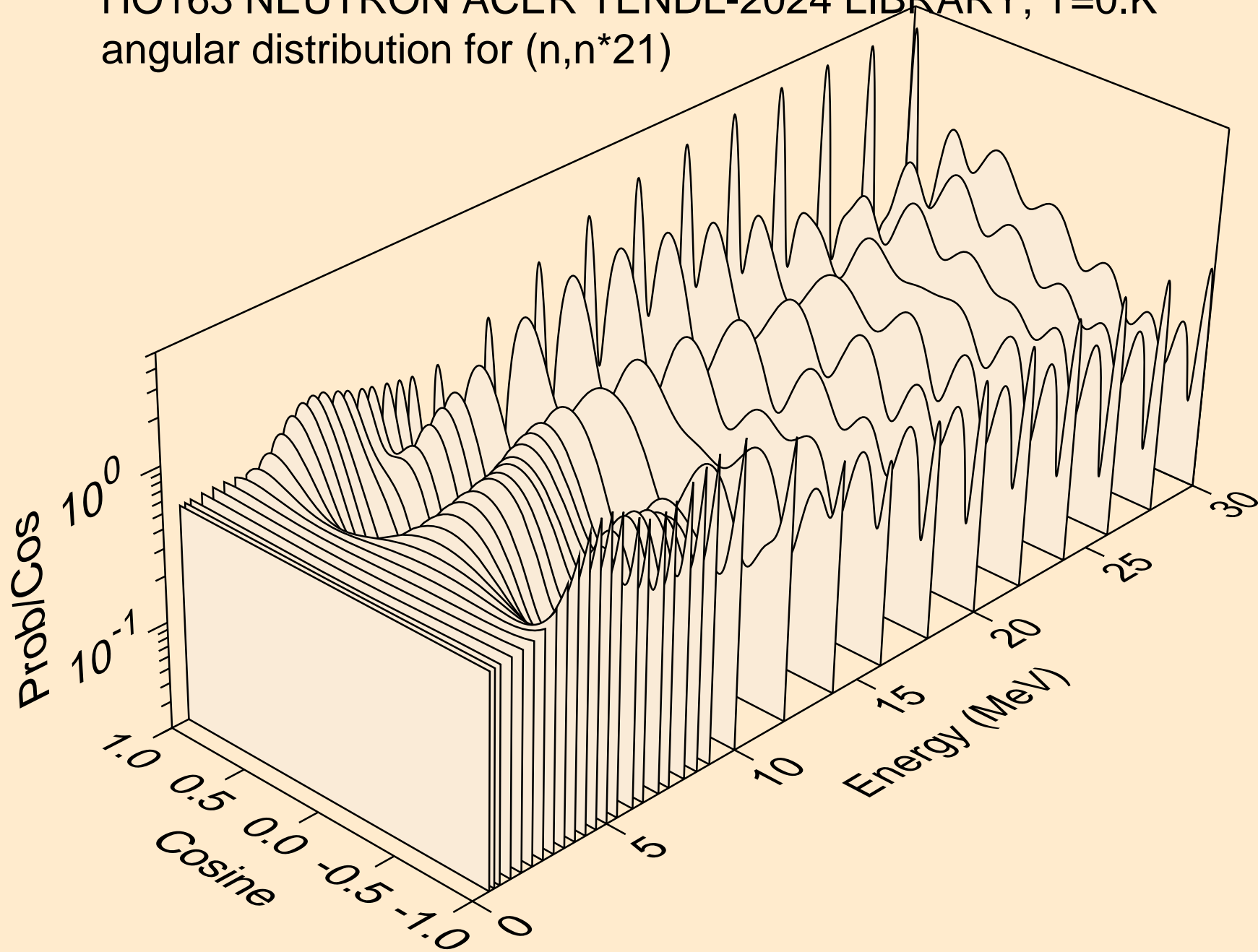
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angular distribution for (n,n\*19)



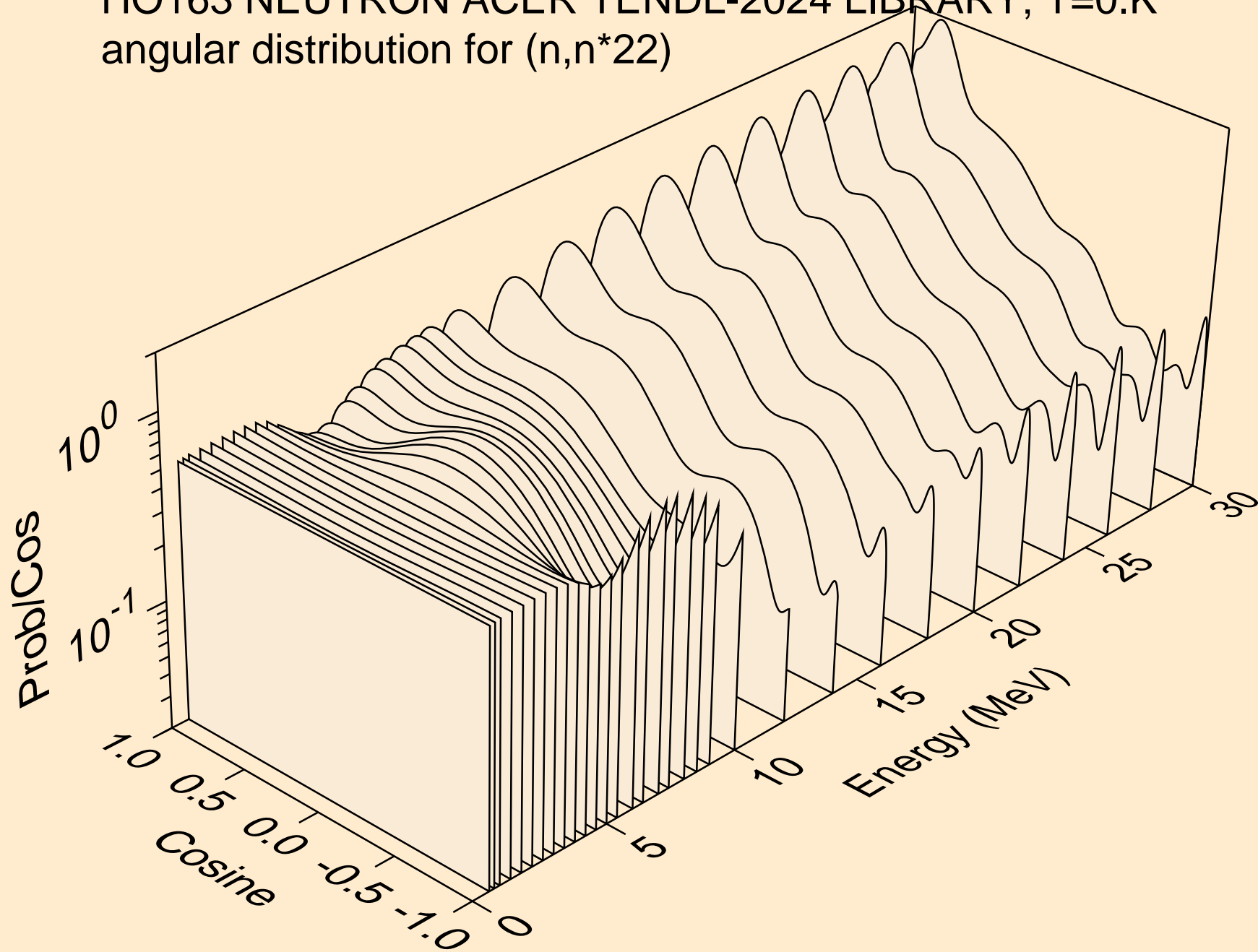
HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*20)



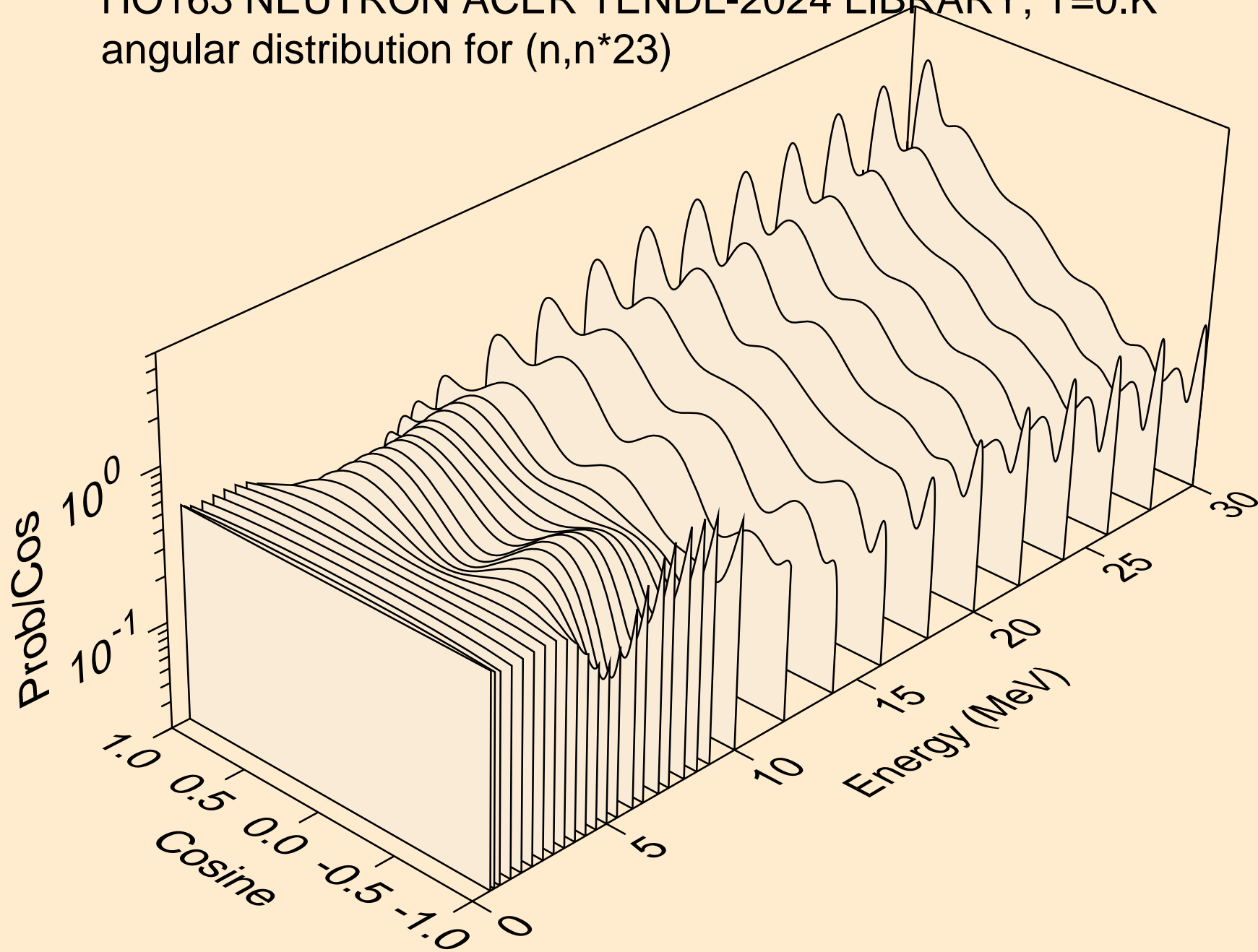
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angular distribution for (n,n\*21)



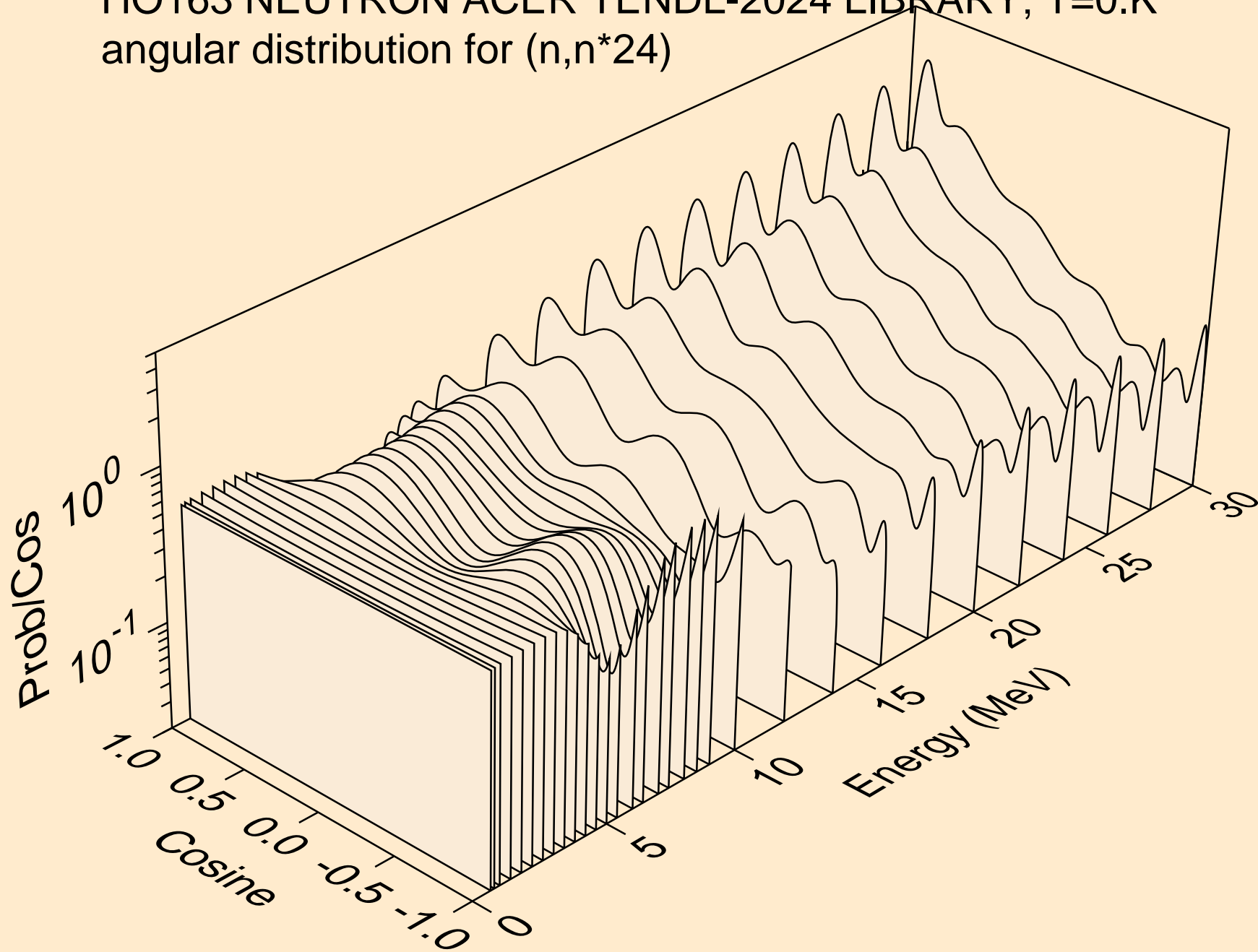
HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*22)



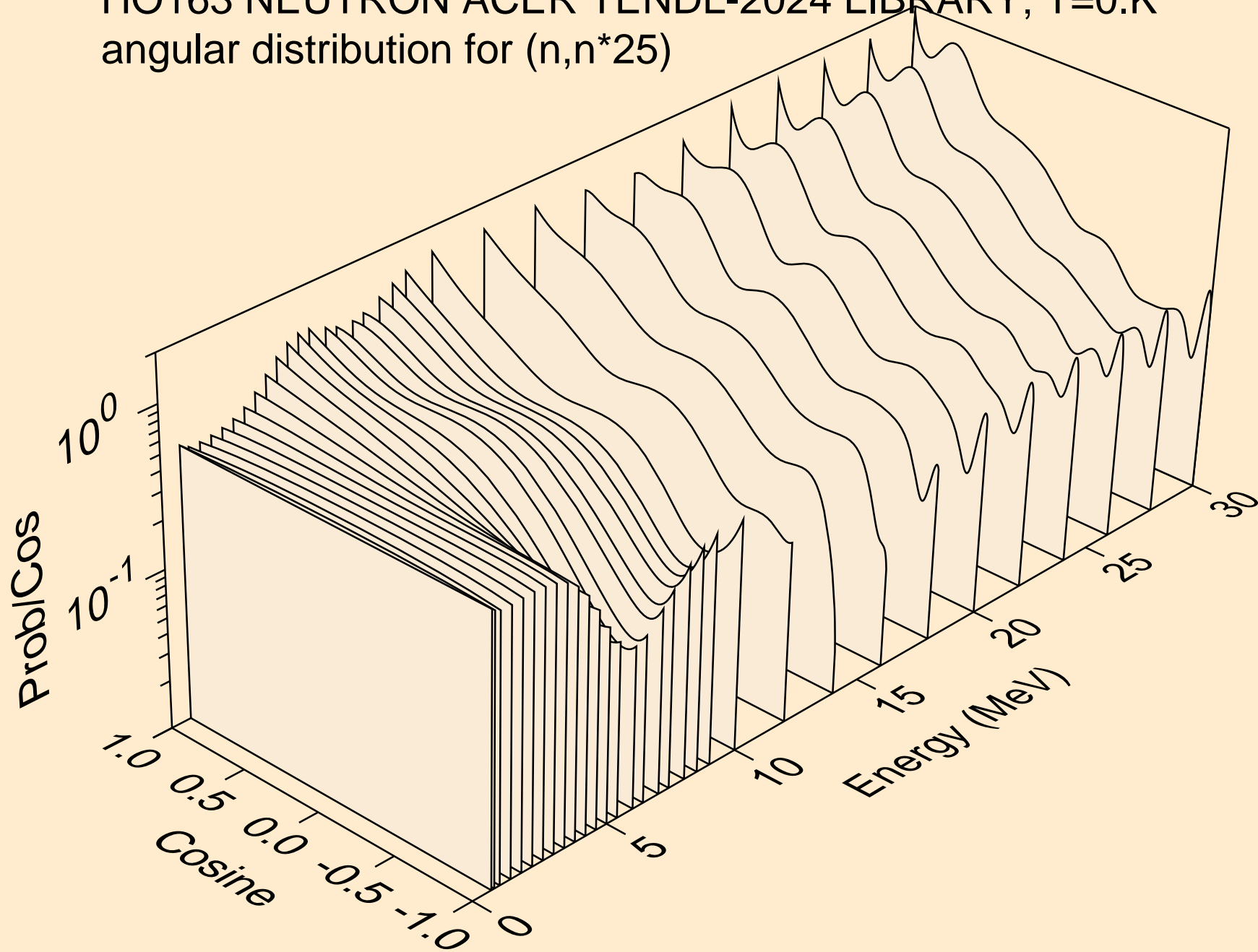
HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*23)



HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*24)

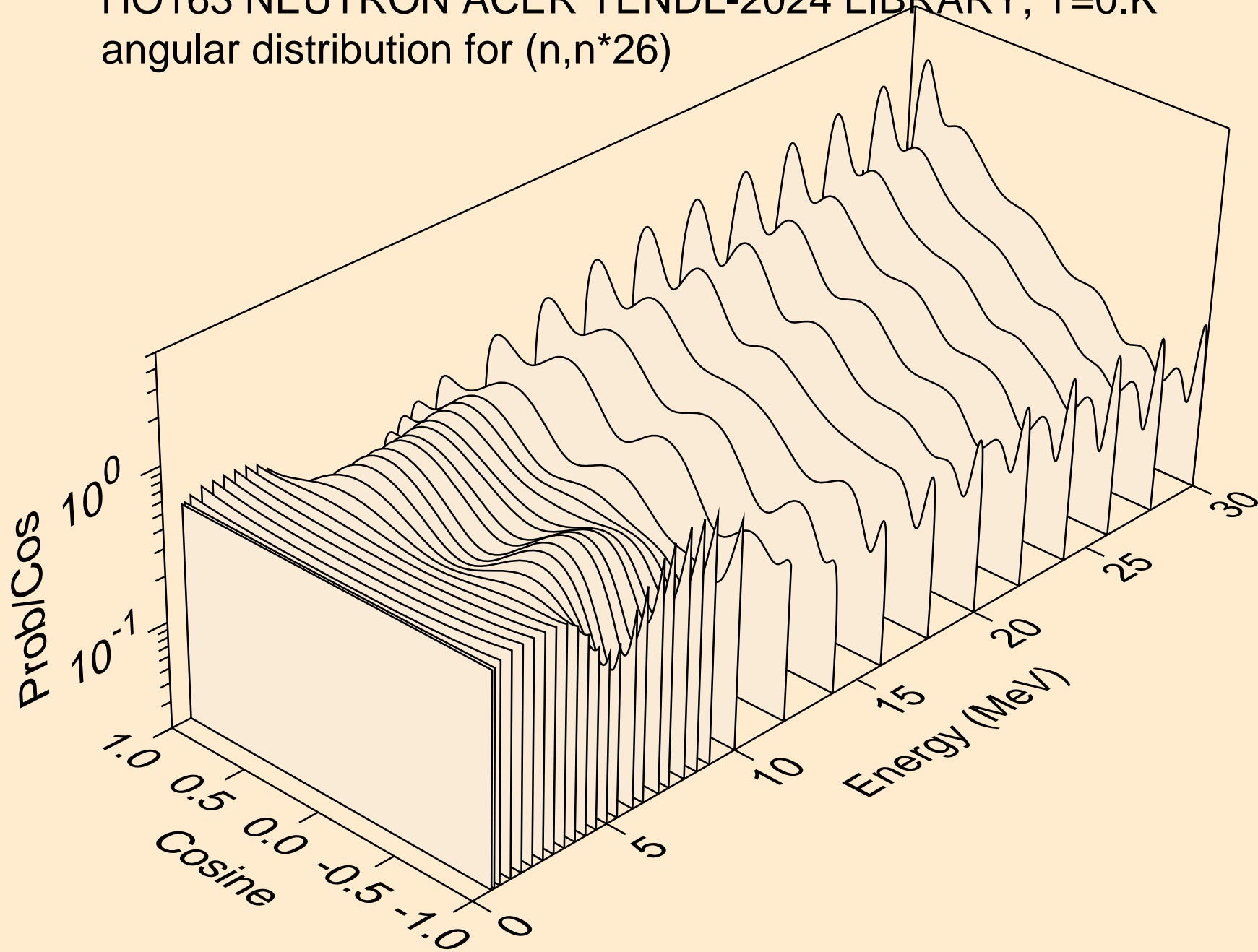


HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*25)



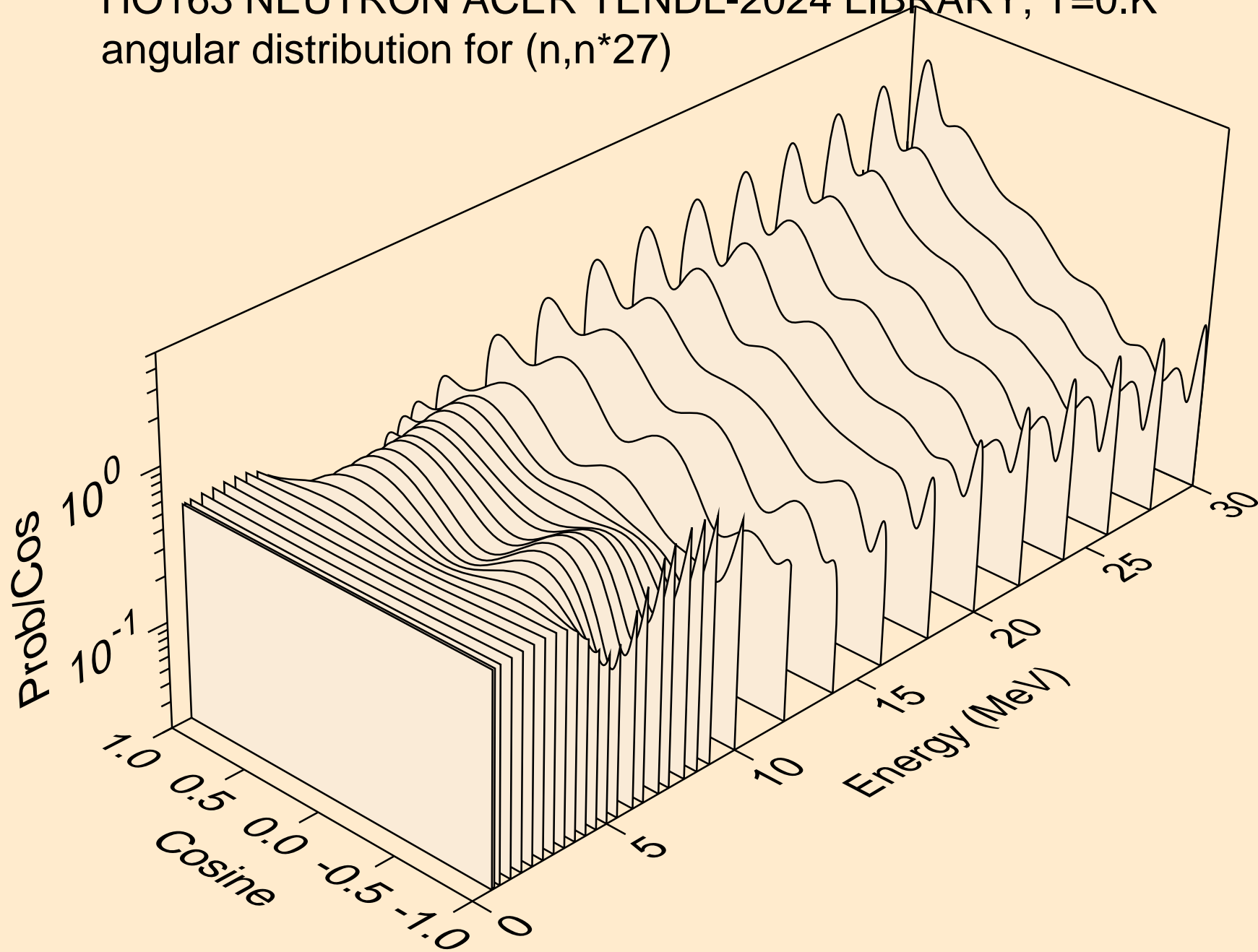


HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*26)

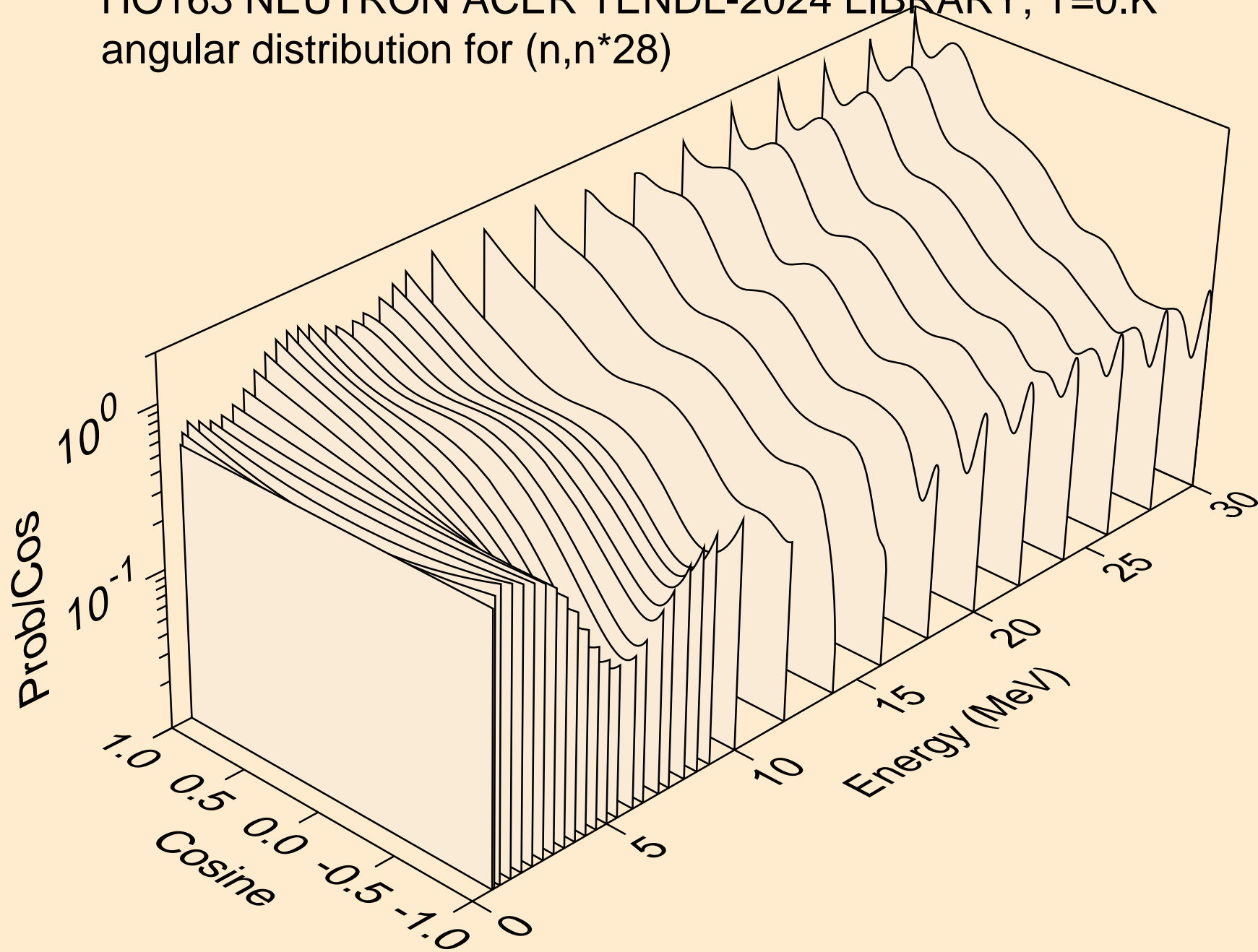




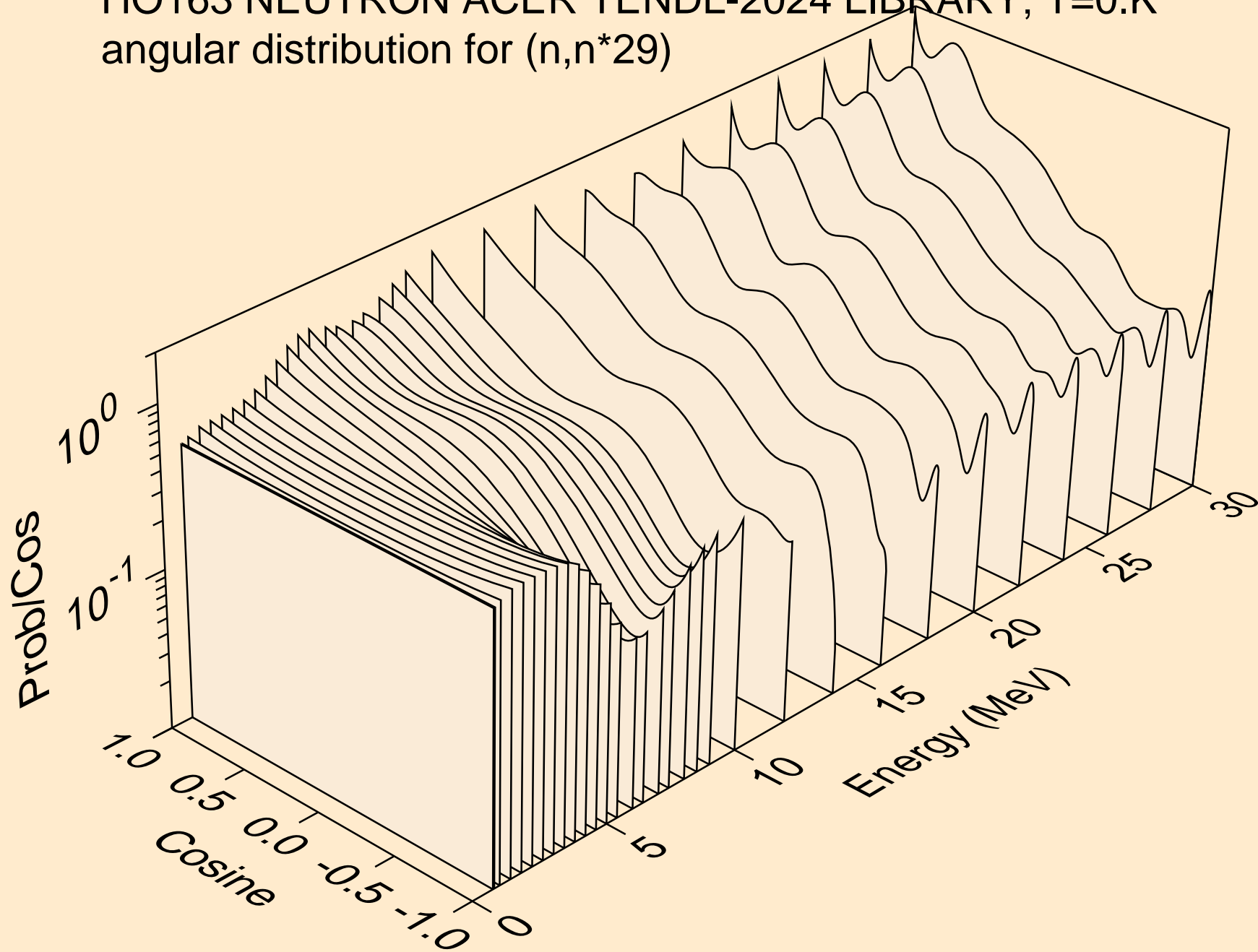
HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*27)



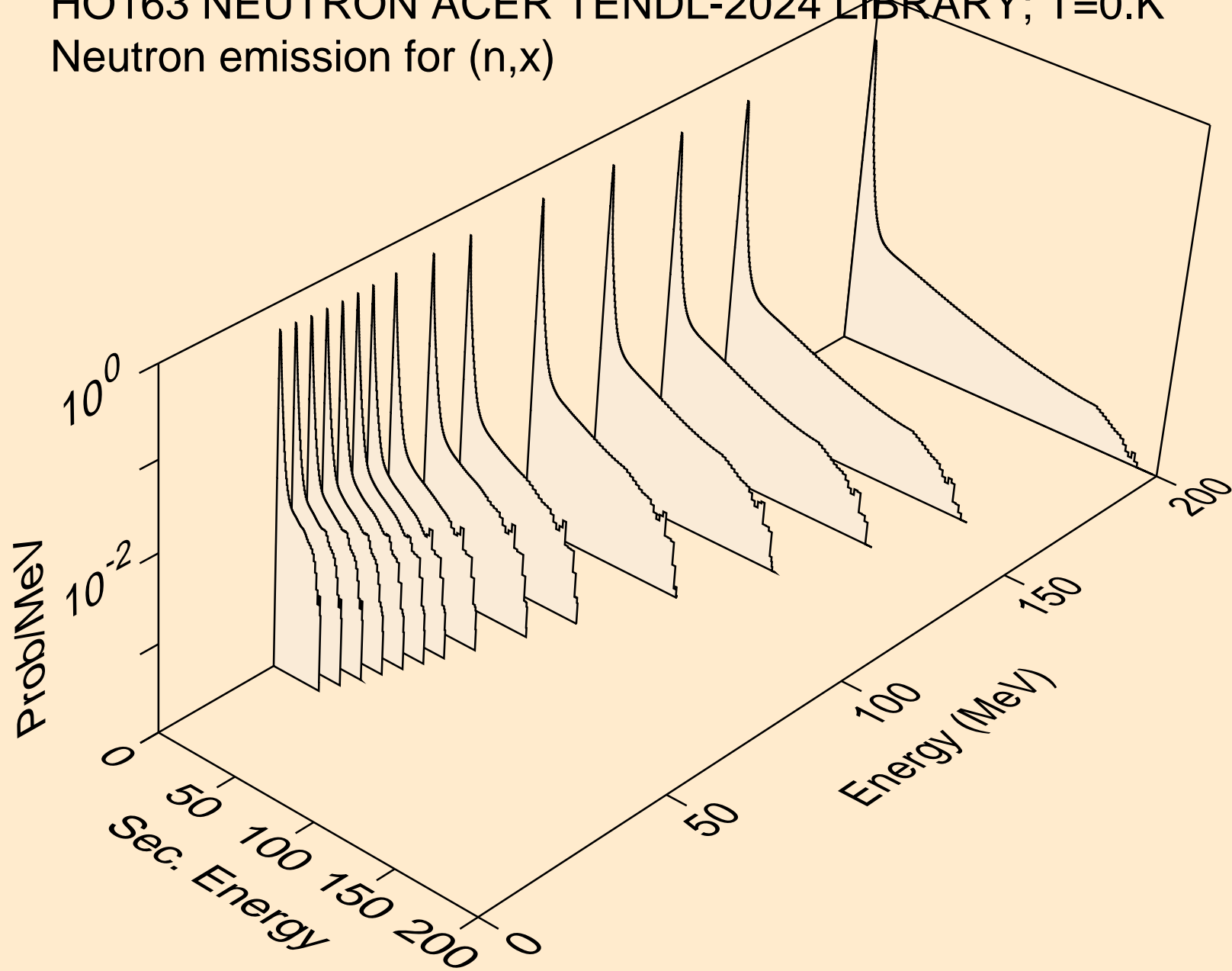
HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*28)



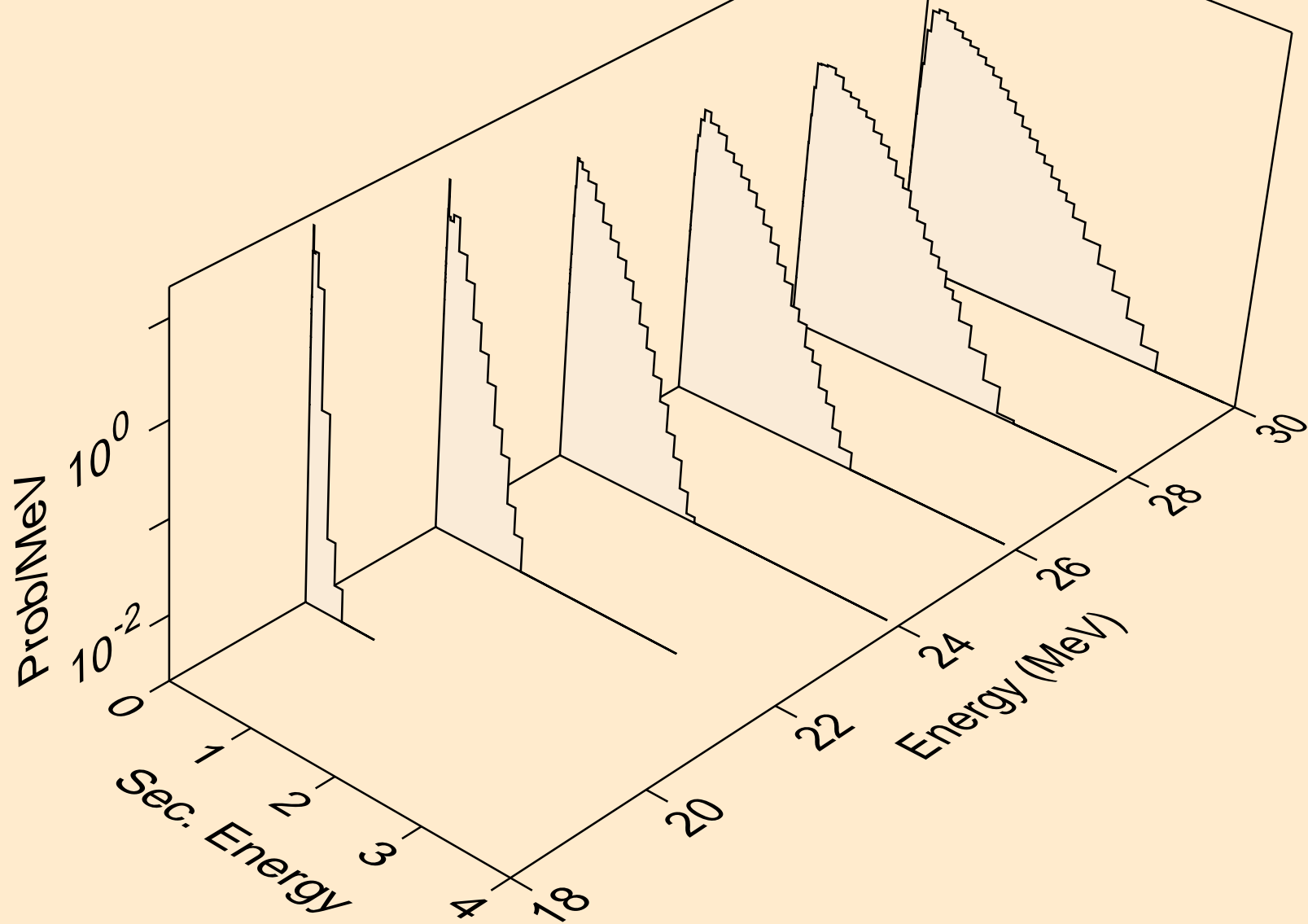
HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*29)



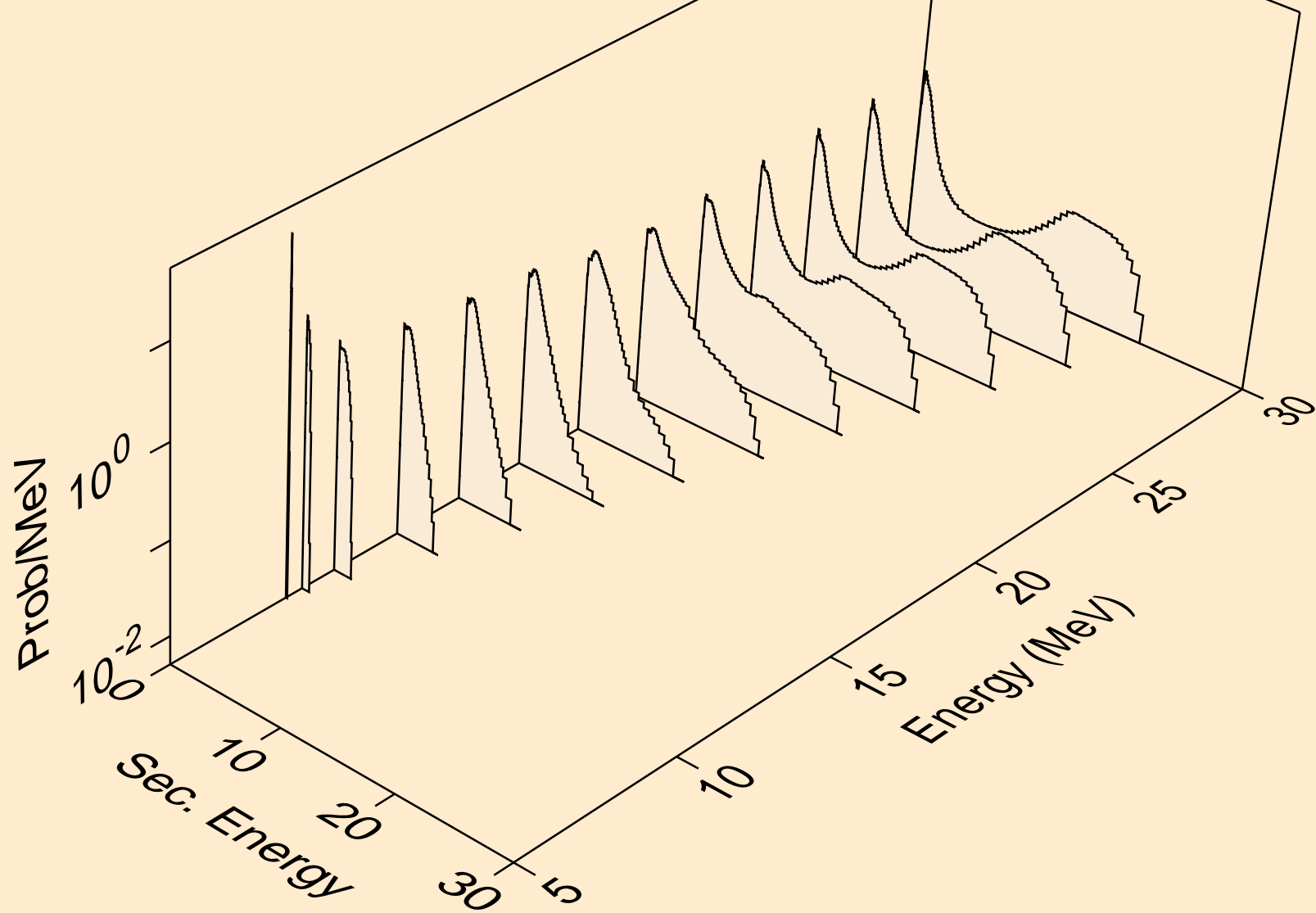
HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,x)



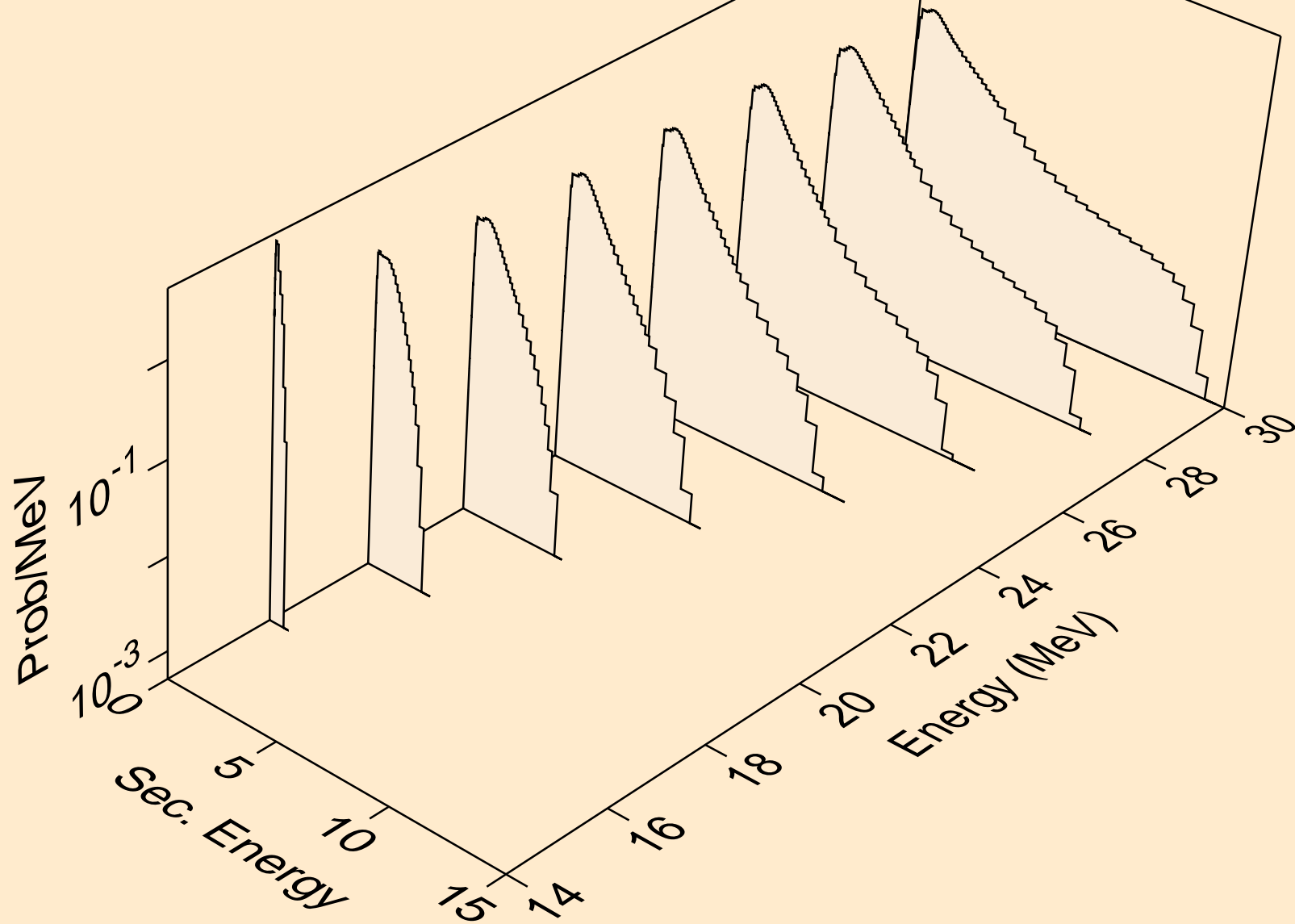
HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



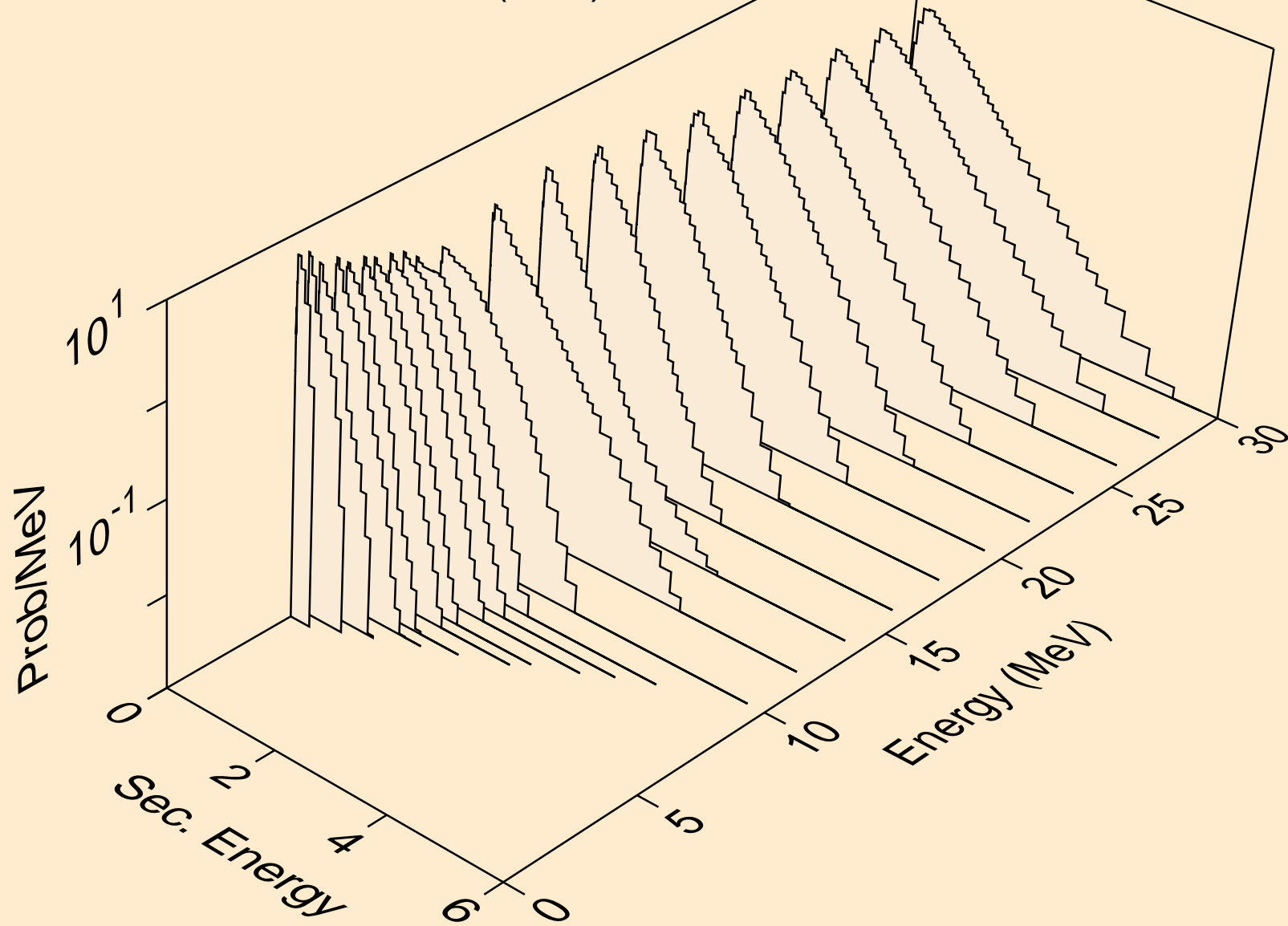
HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)



HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)

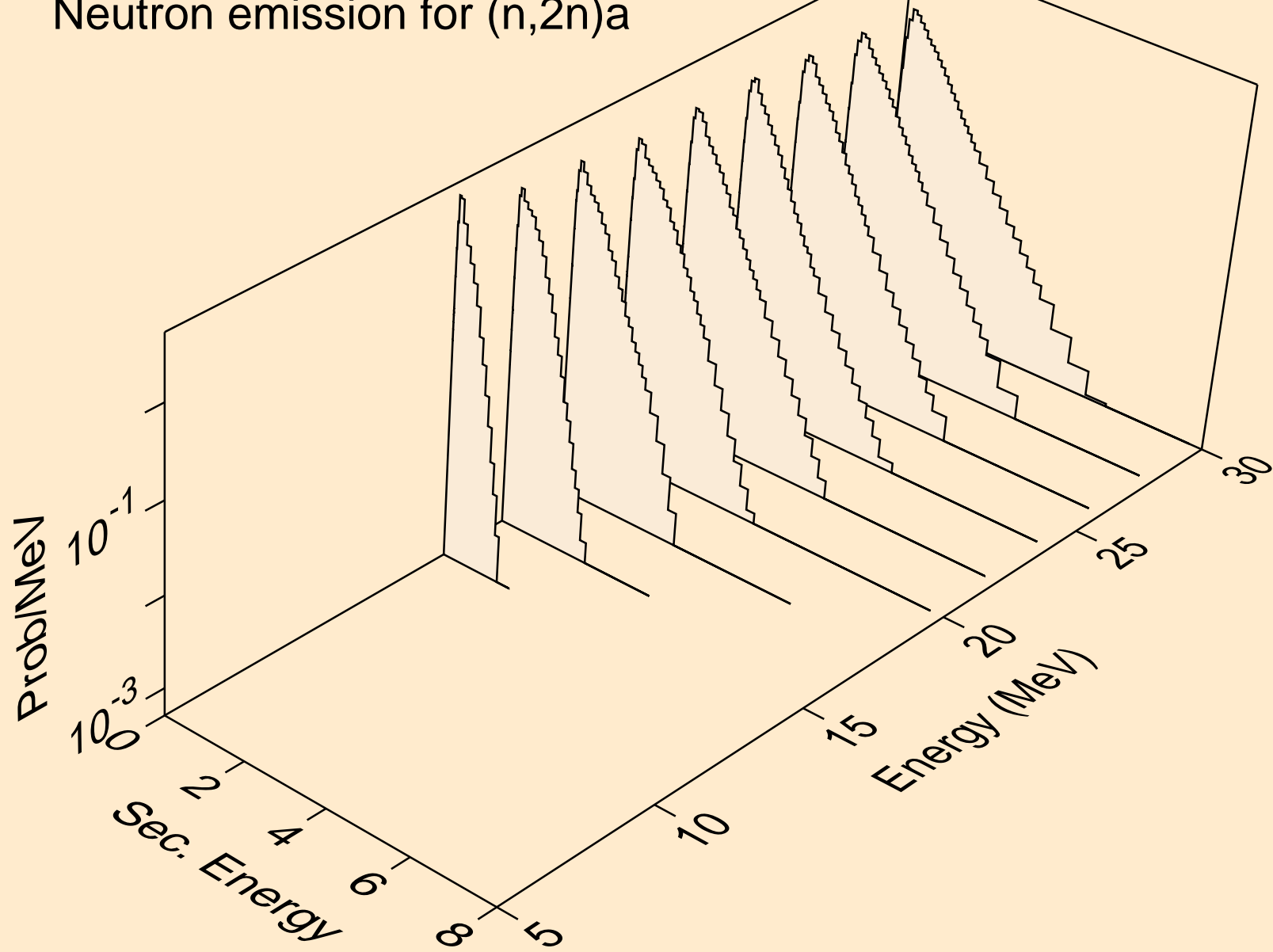


HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a

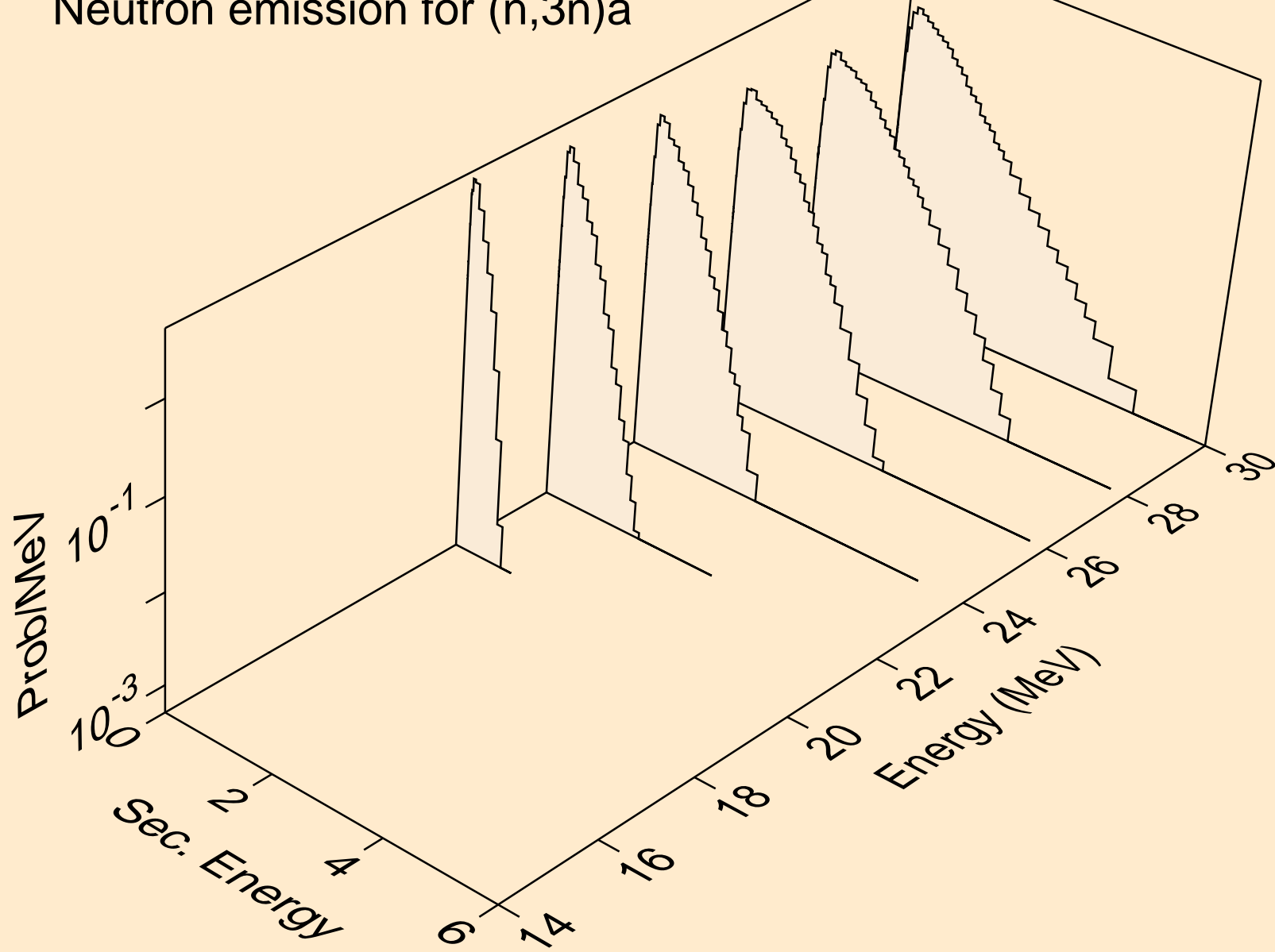




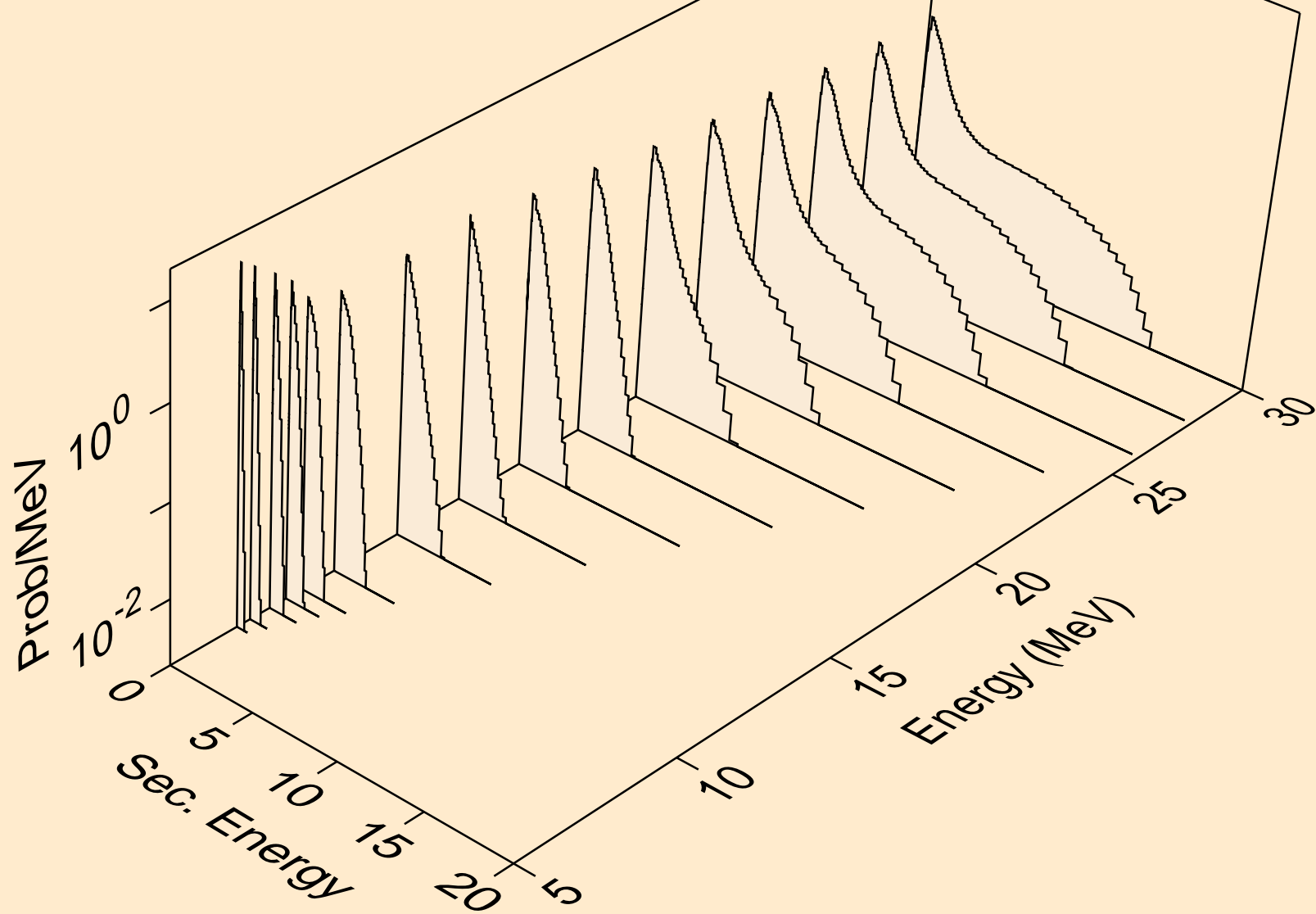
HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)a



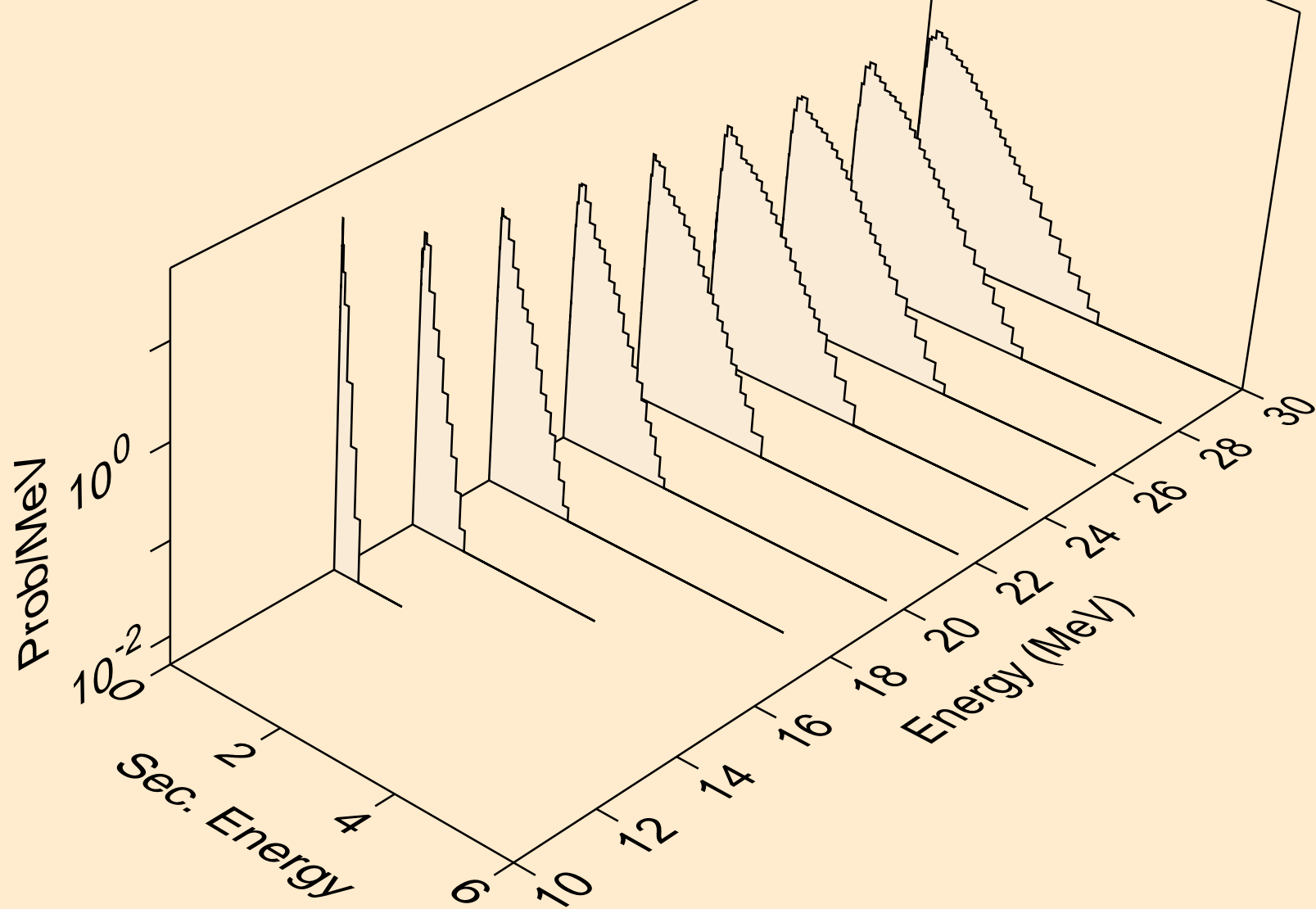
HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)a



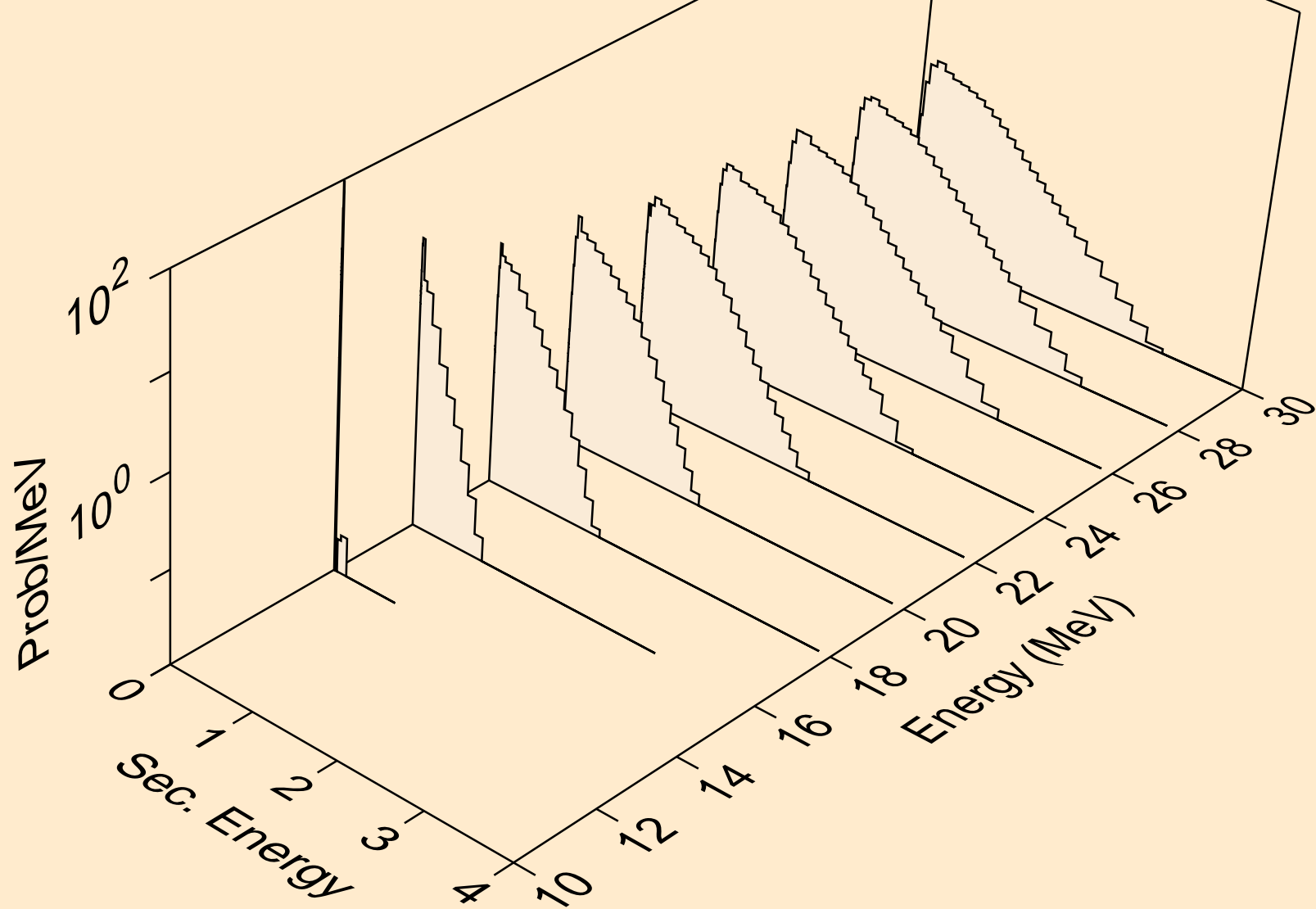
HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



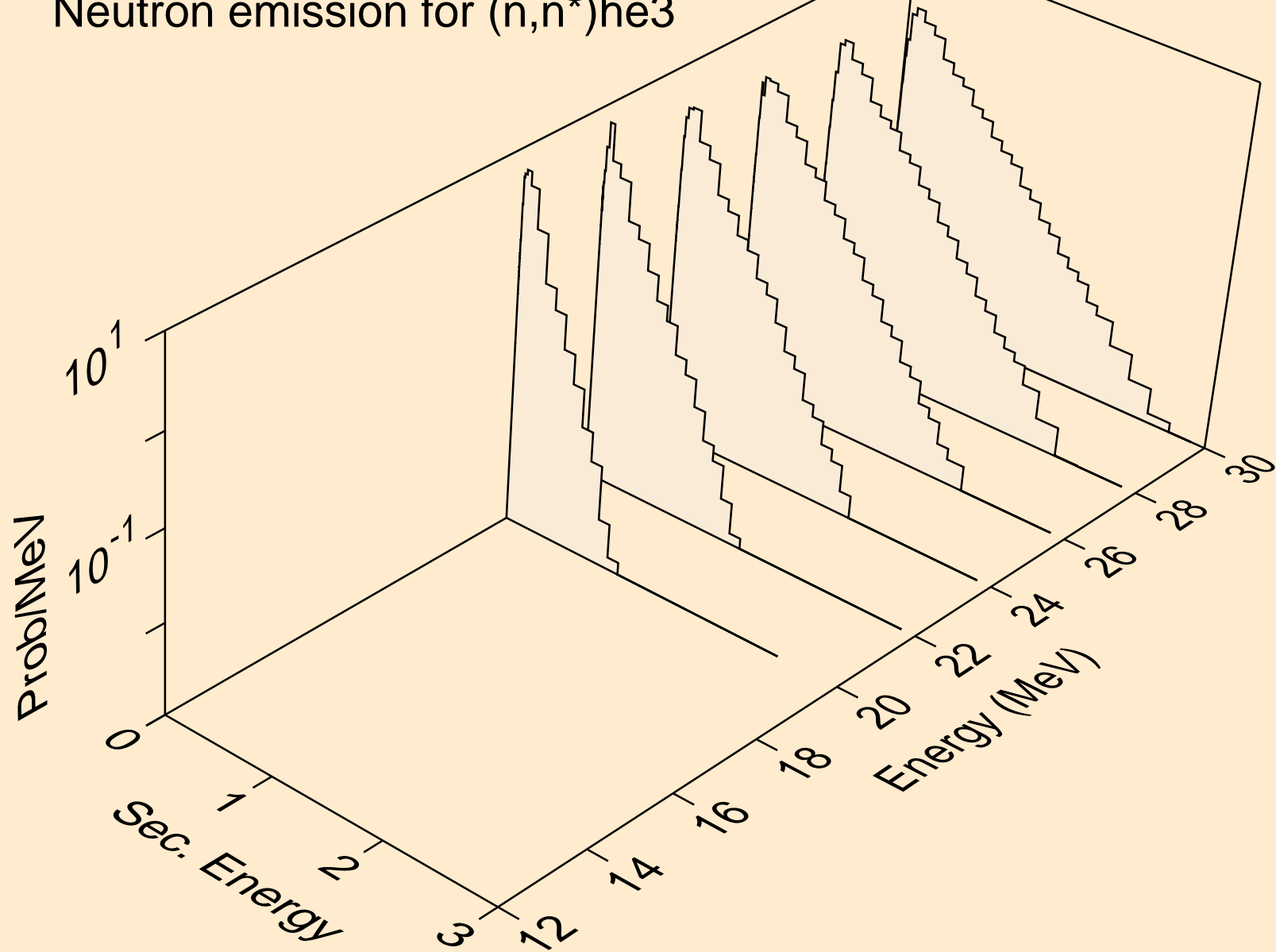
HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d



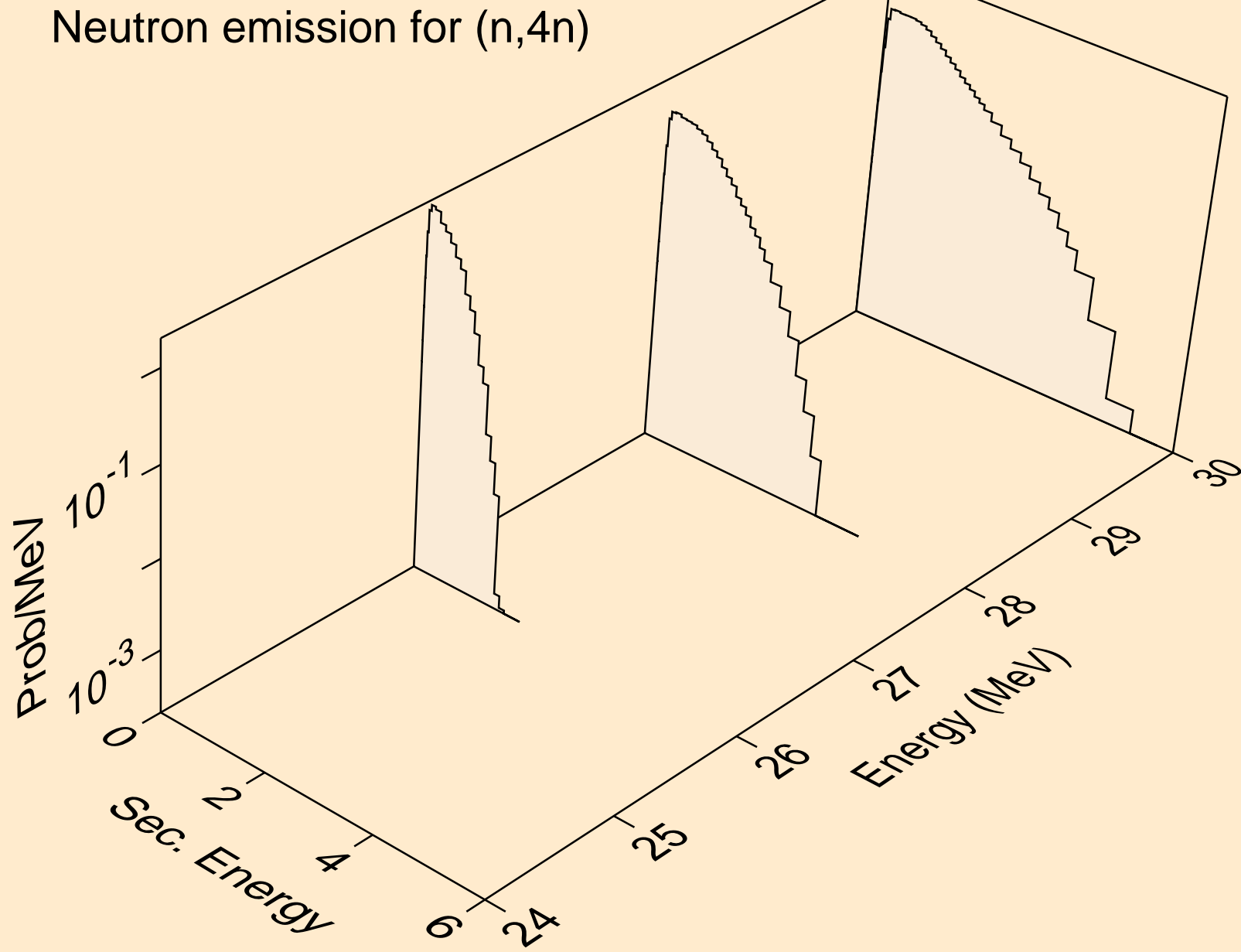
HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



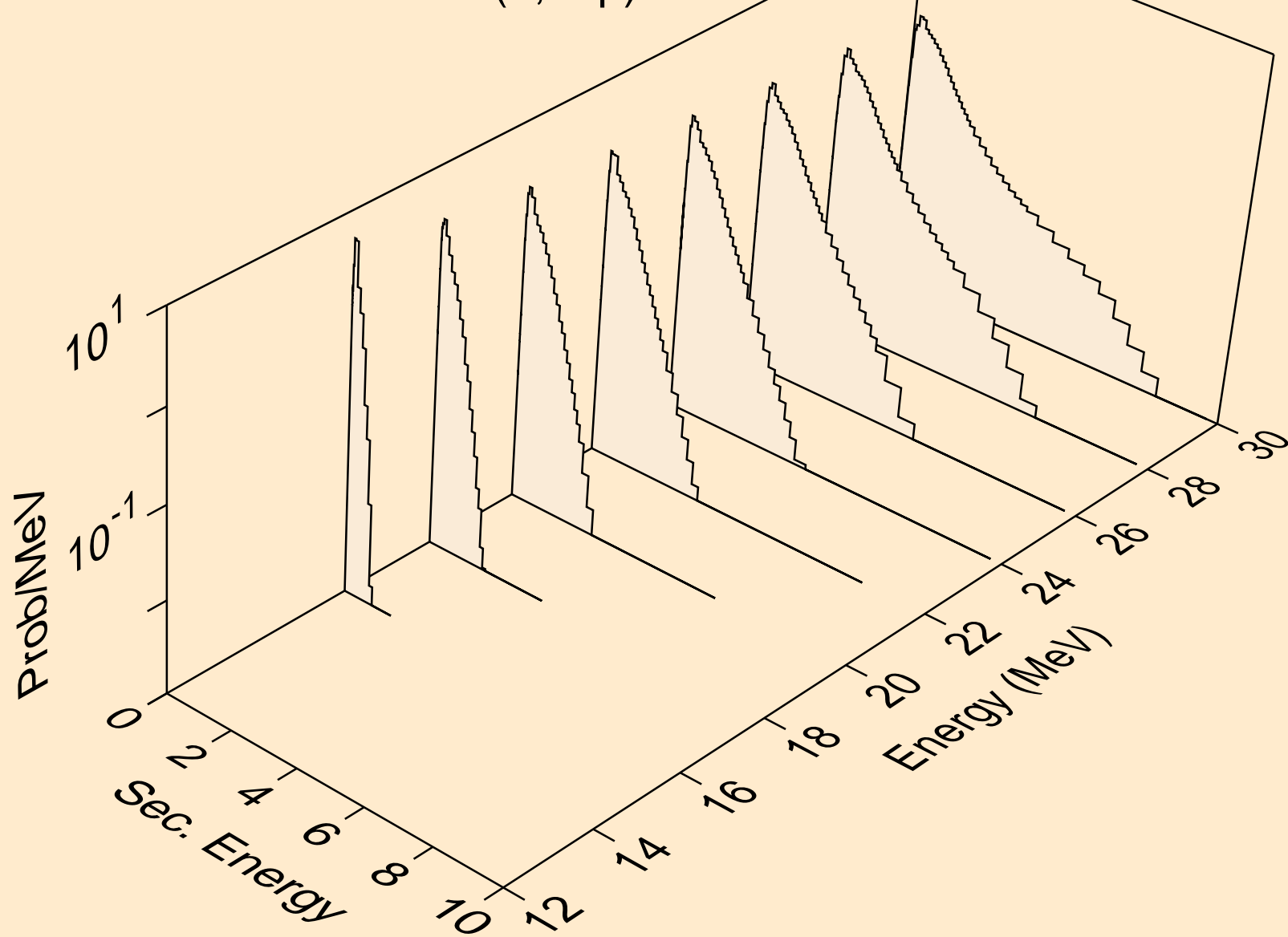
HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,4n)

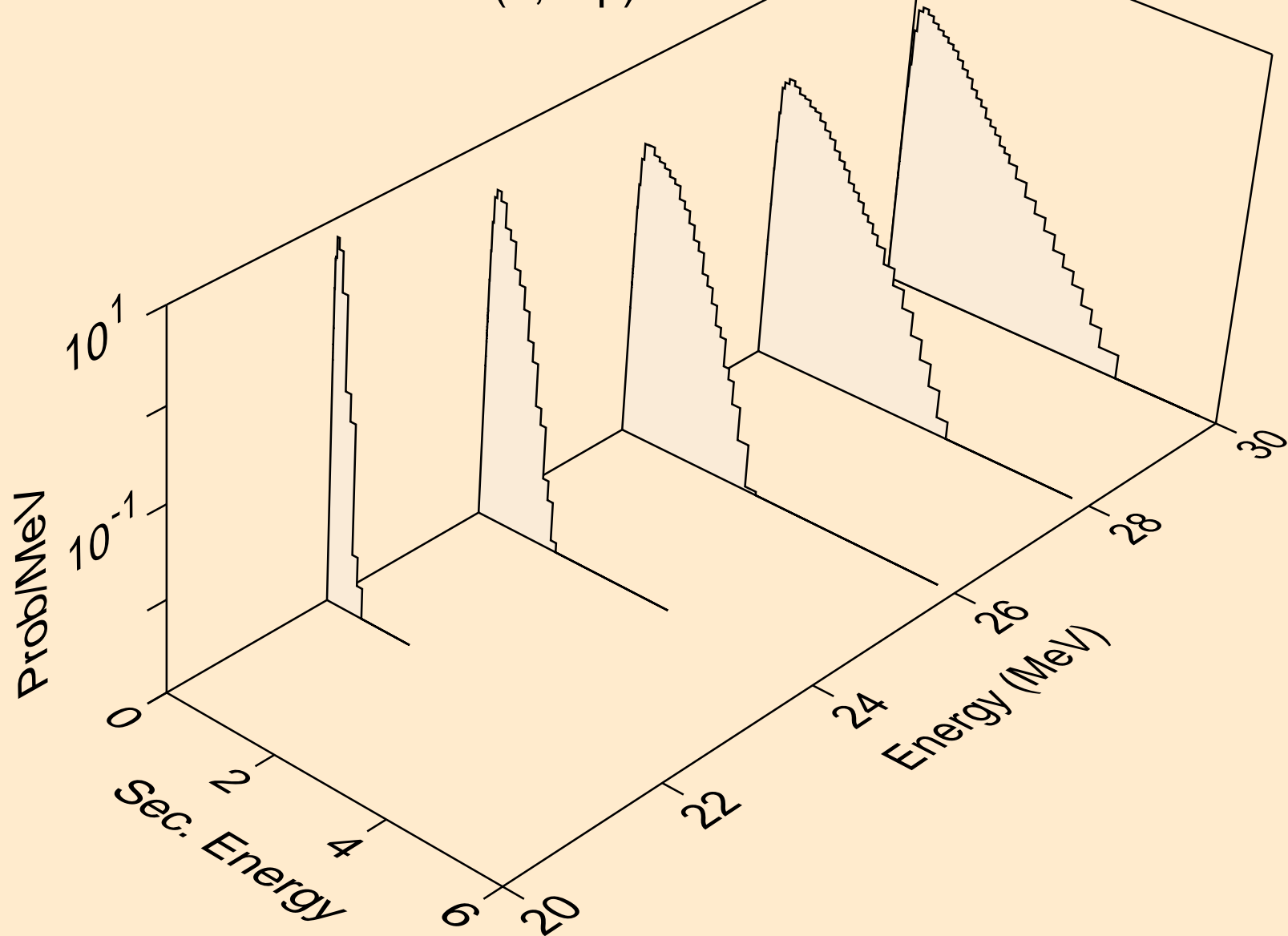


HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2np)

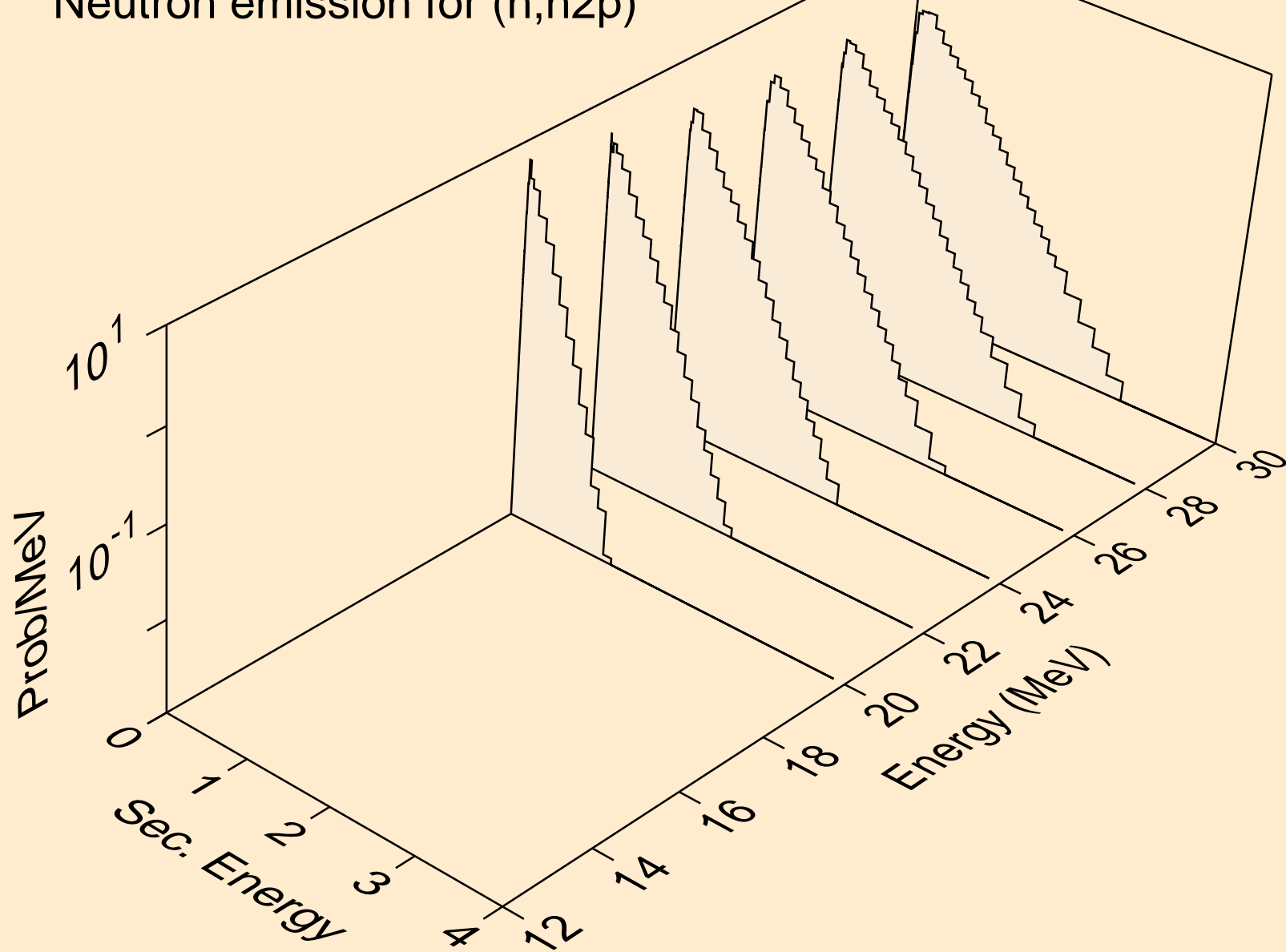




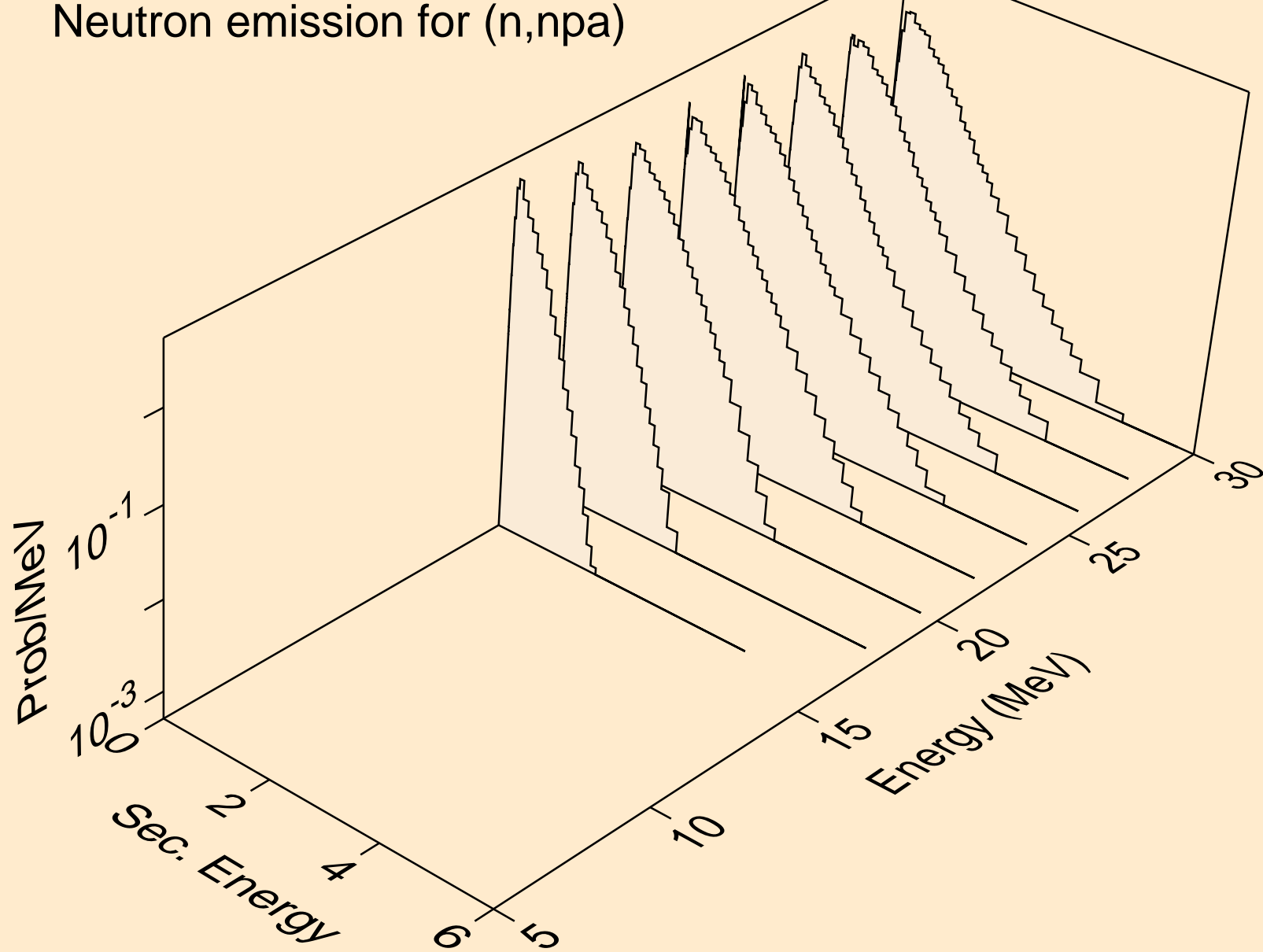
HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3np)



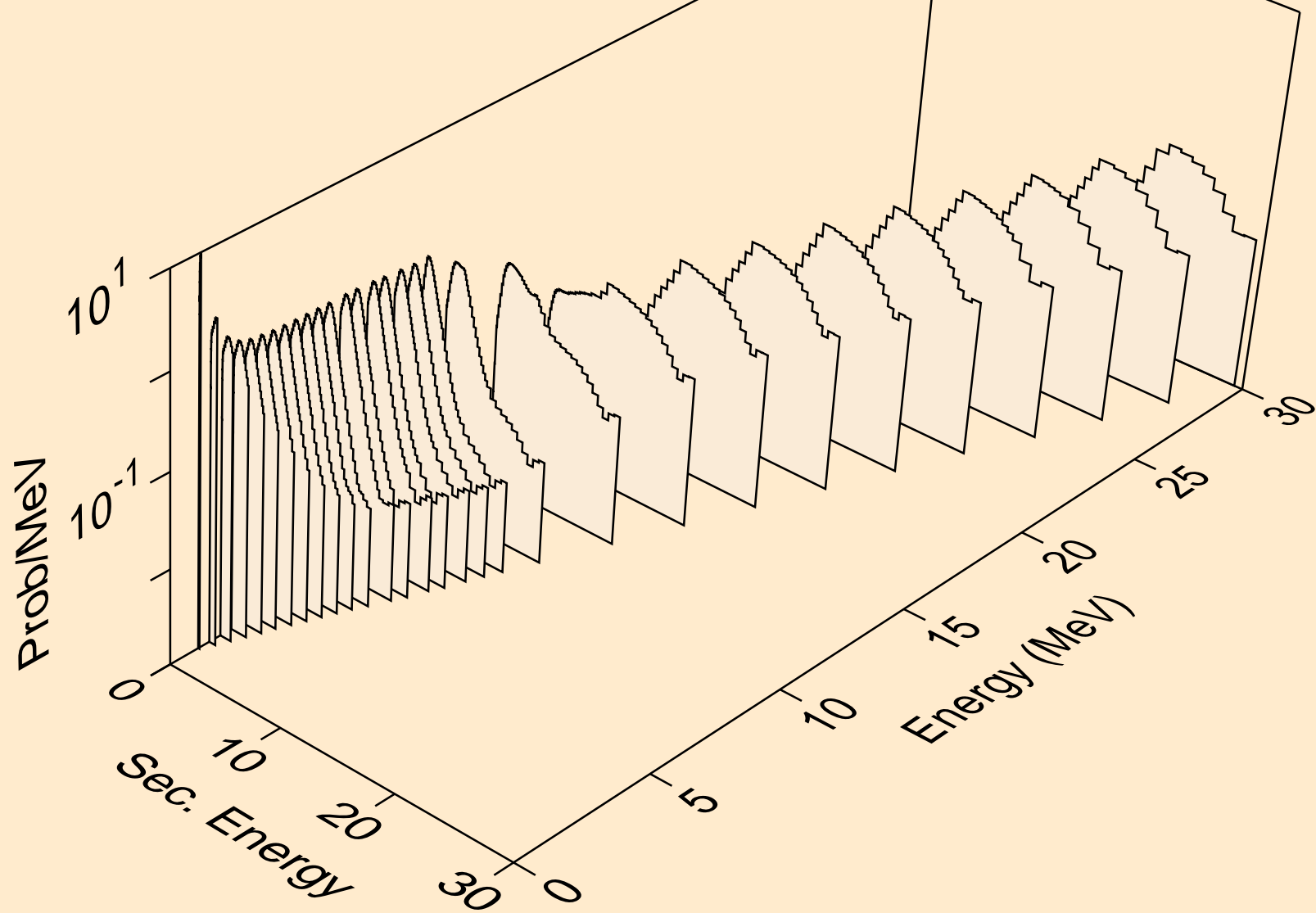
HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n2p)



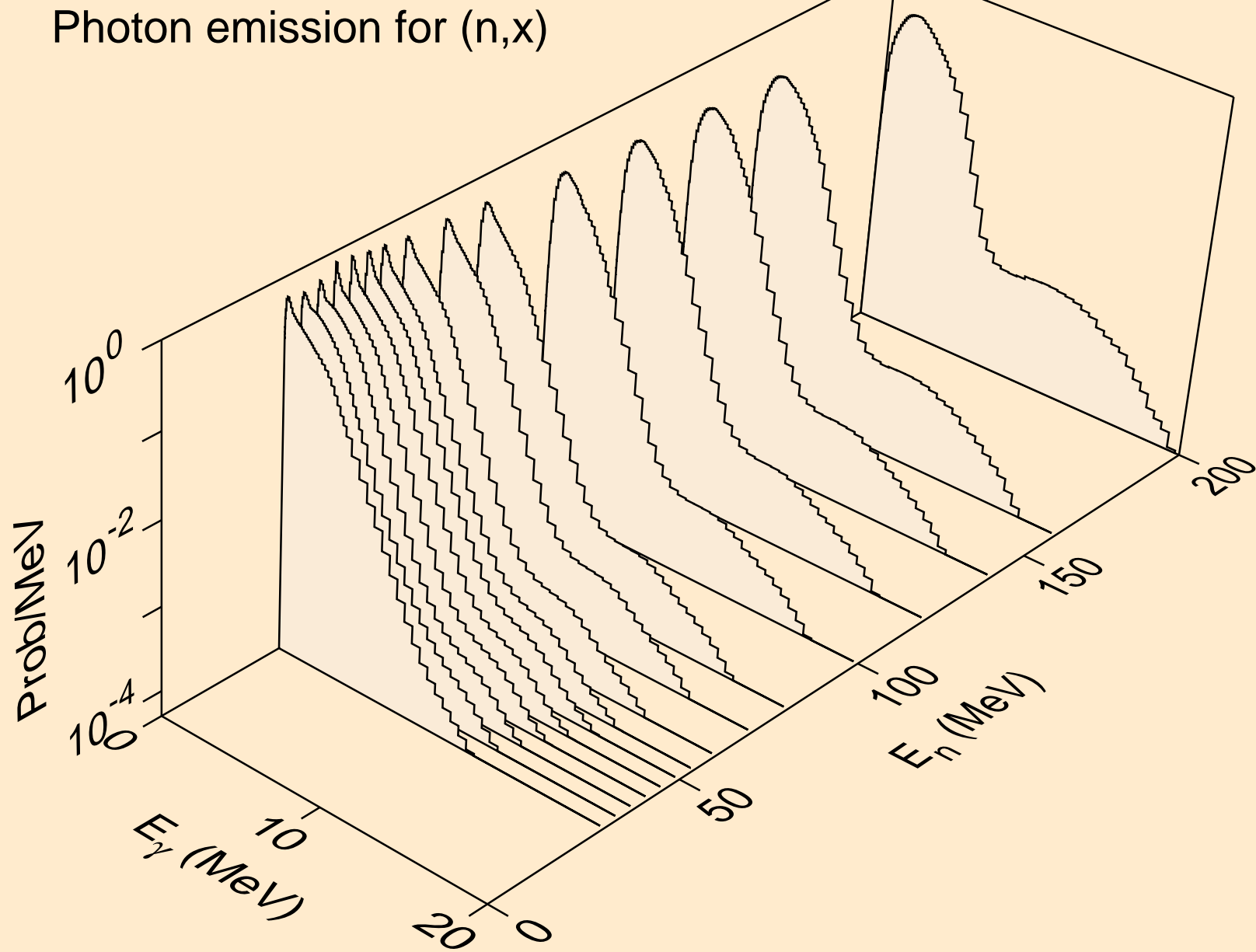
HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,npa)



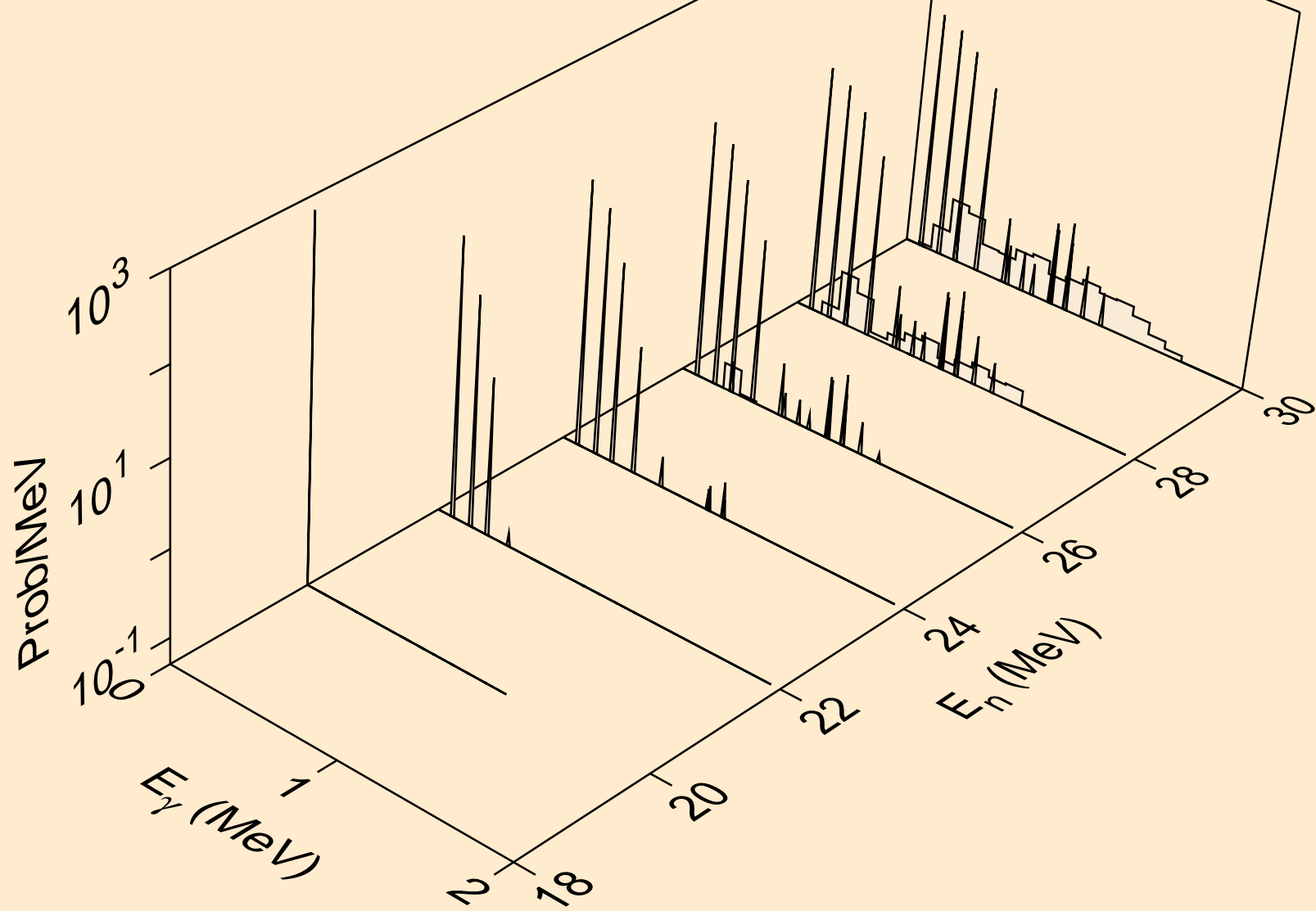
HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)



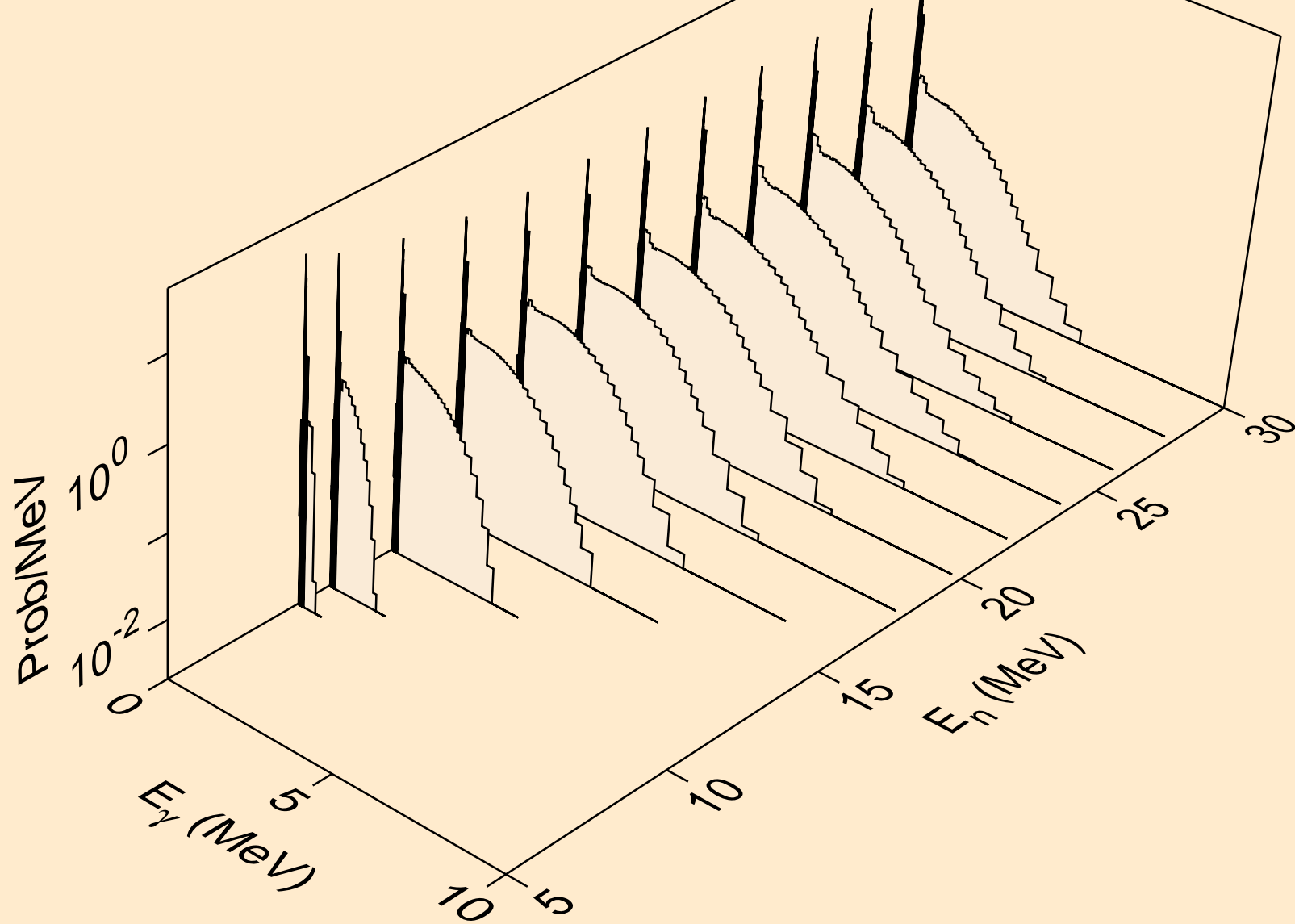
HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,x)



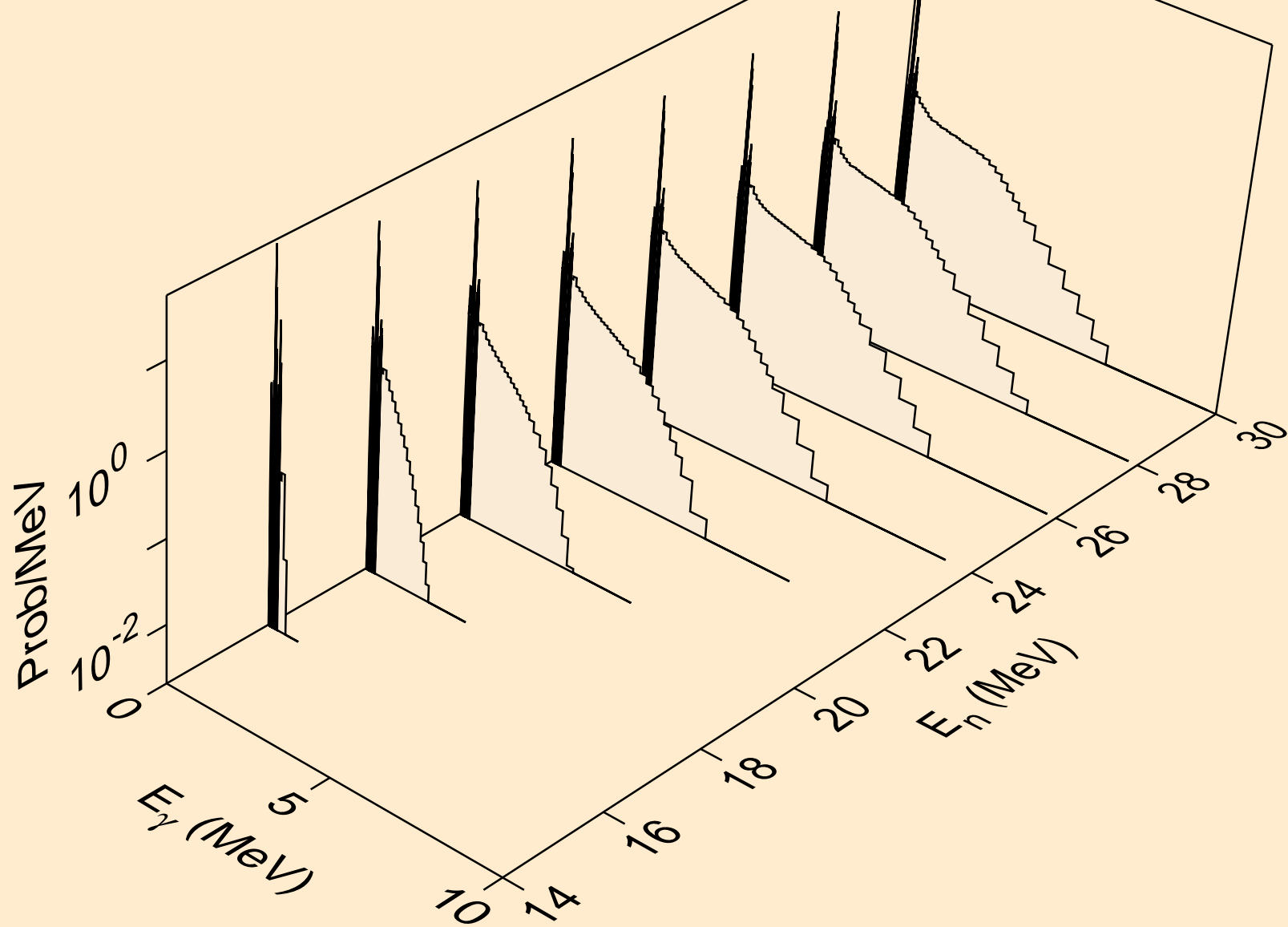
HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2nd)



HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)

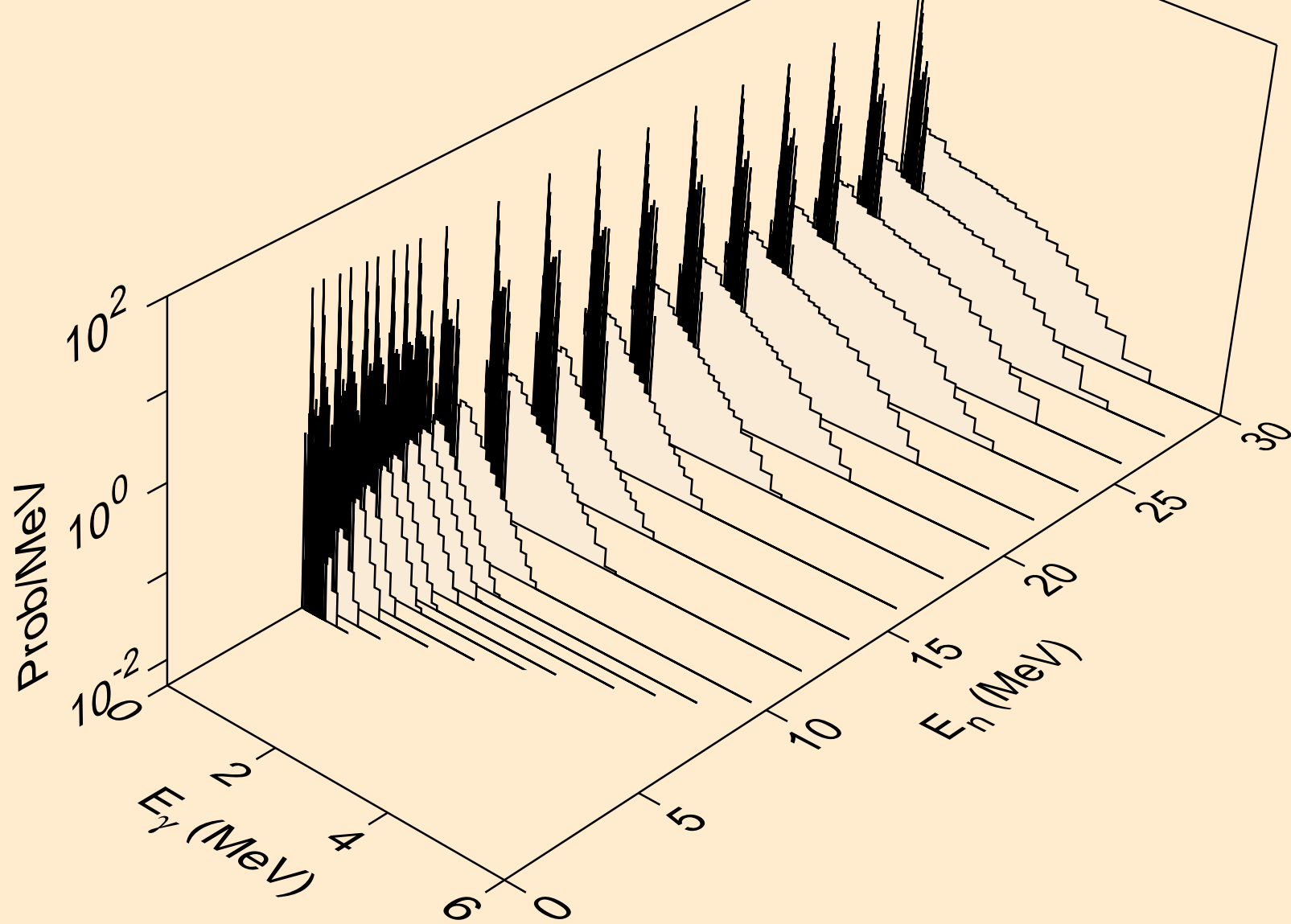


HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)

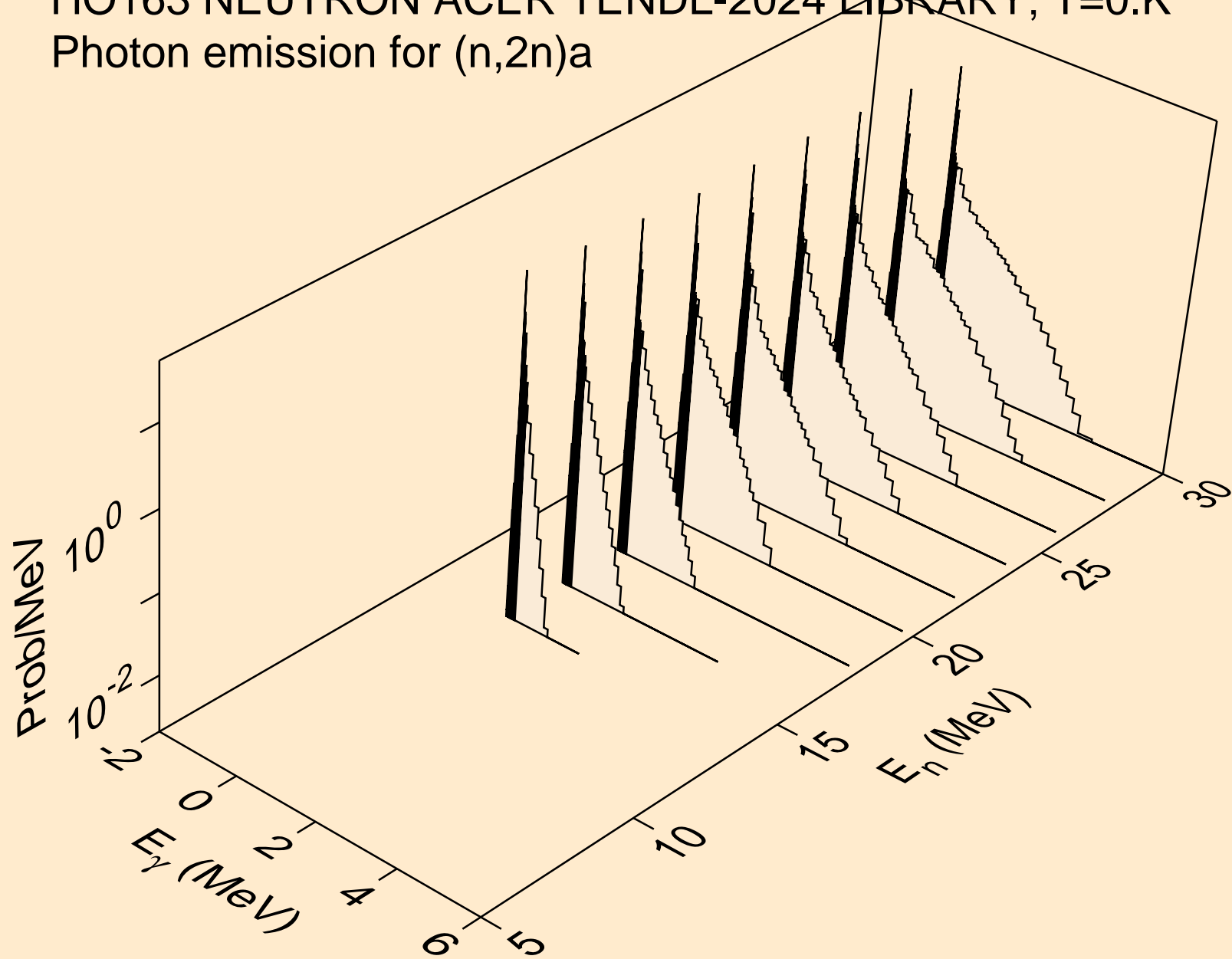




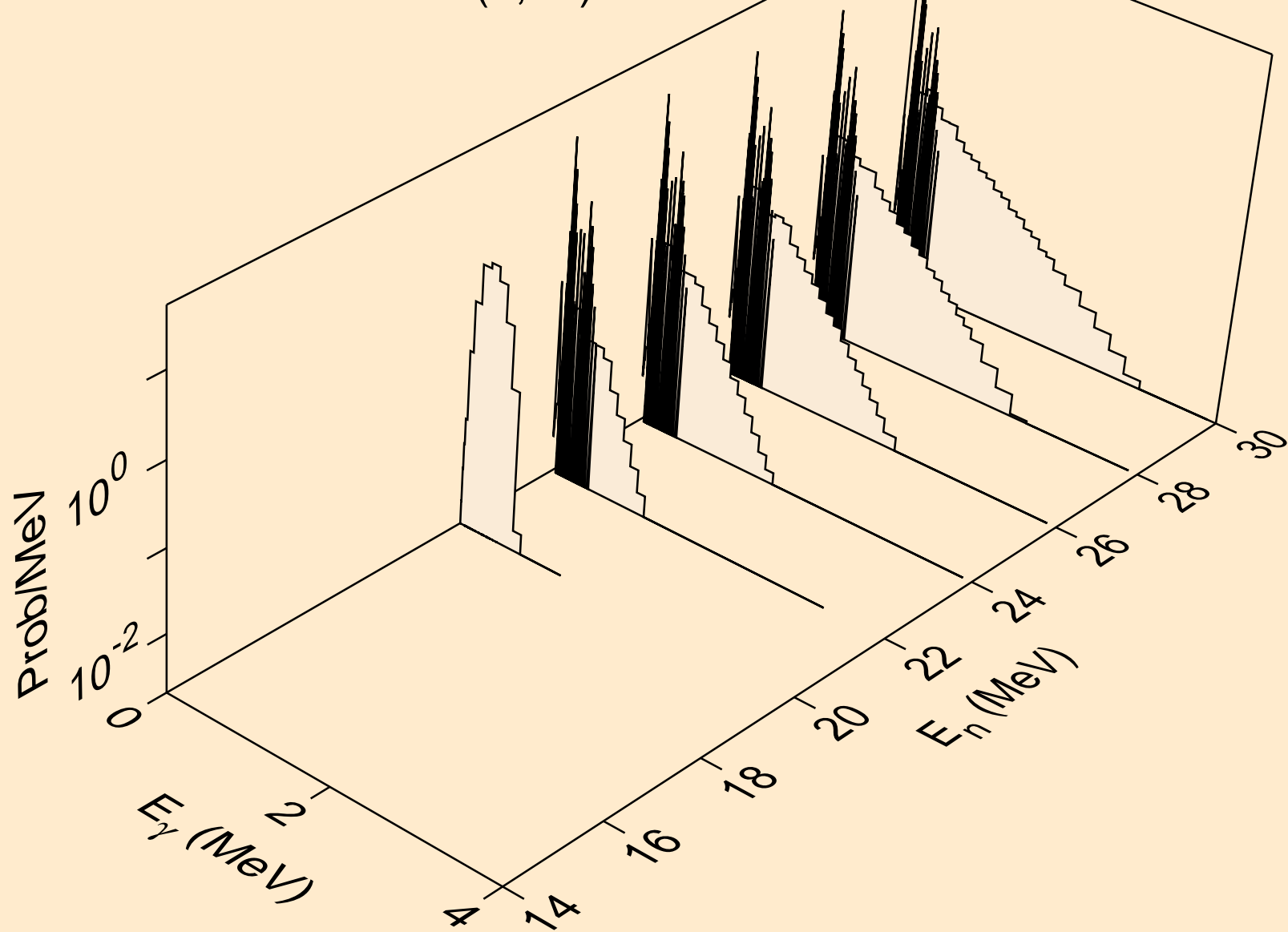
HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



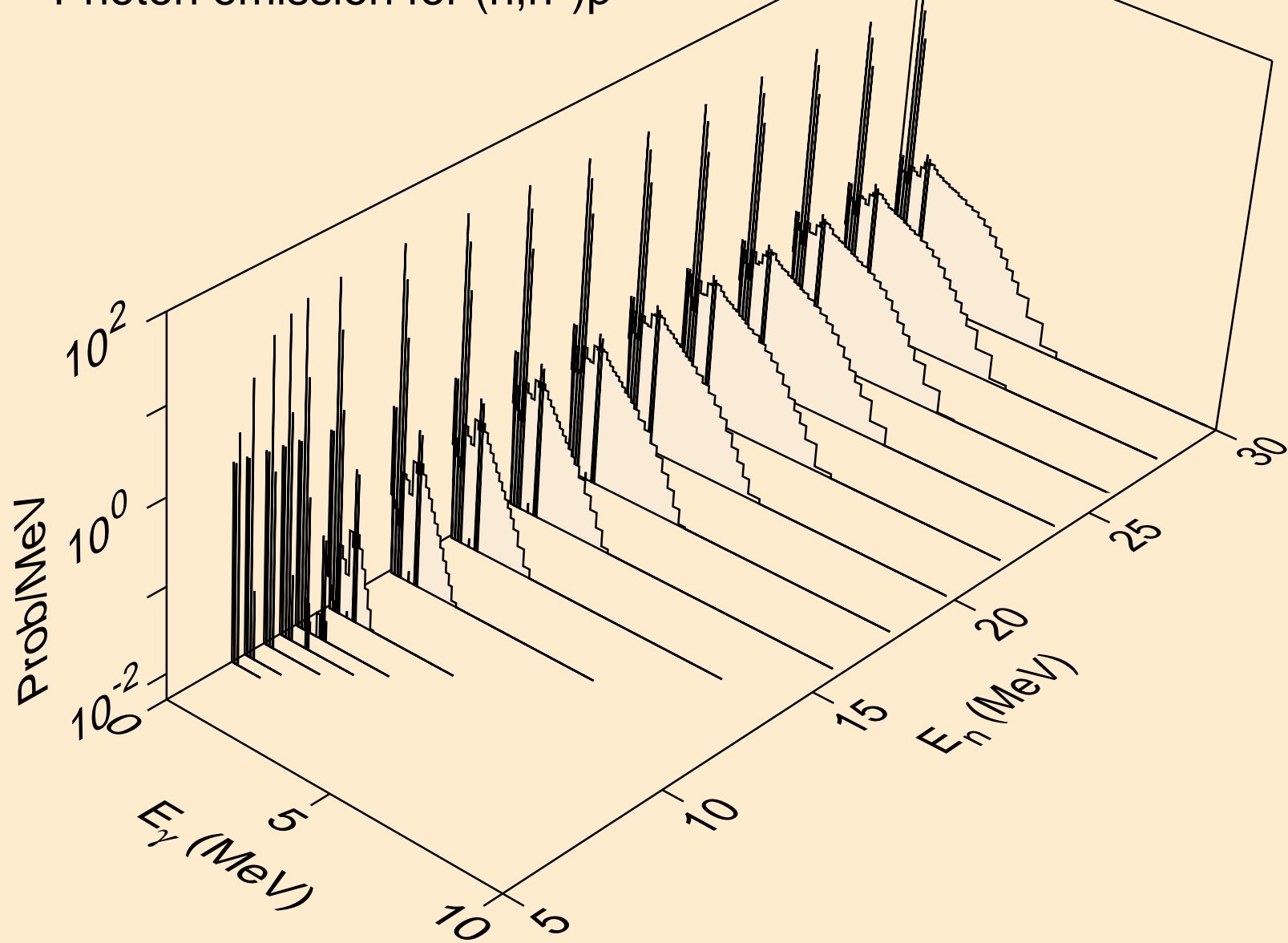
HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)a



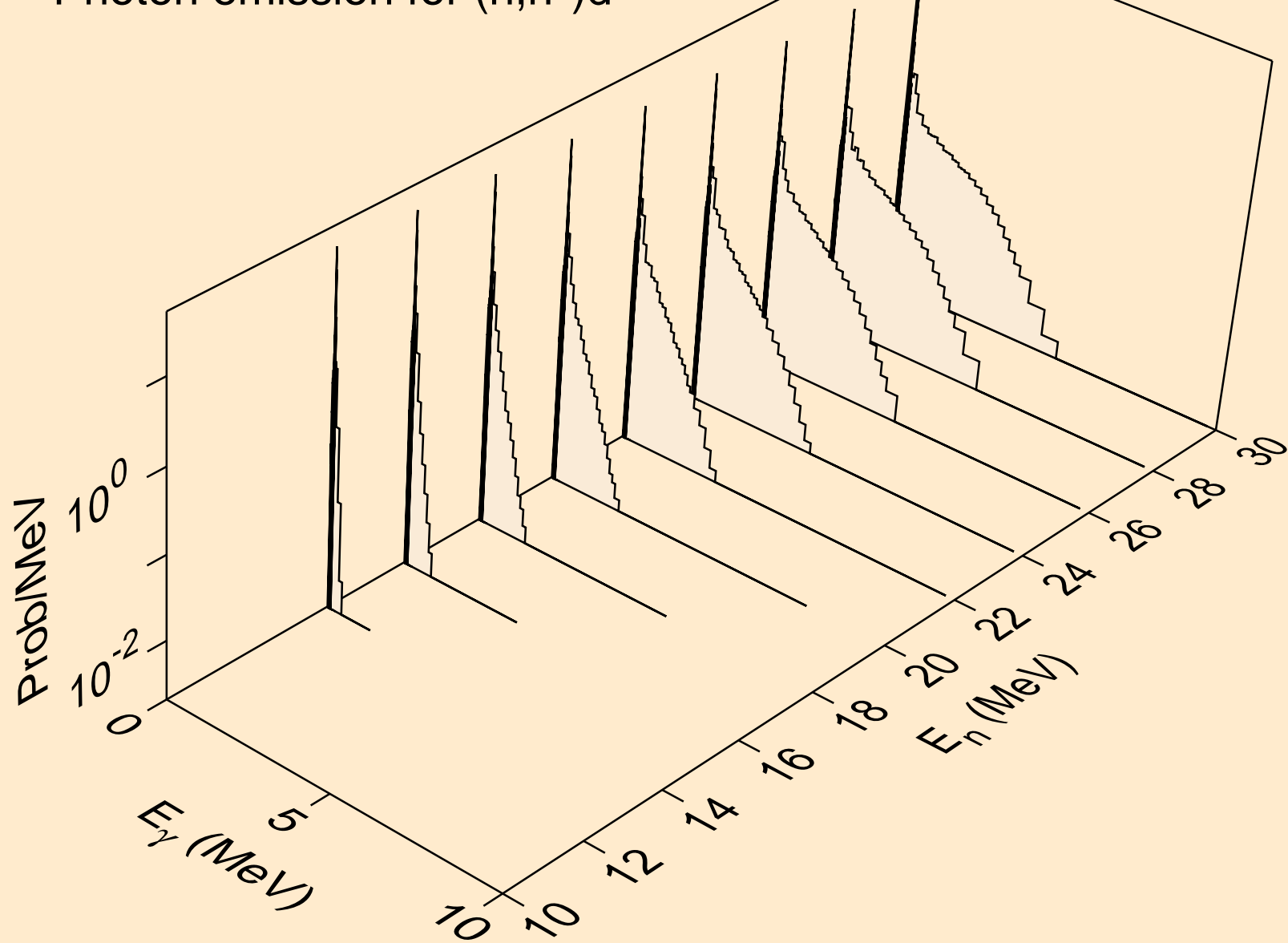
HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)a



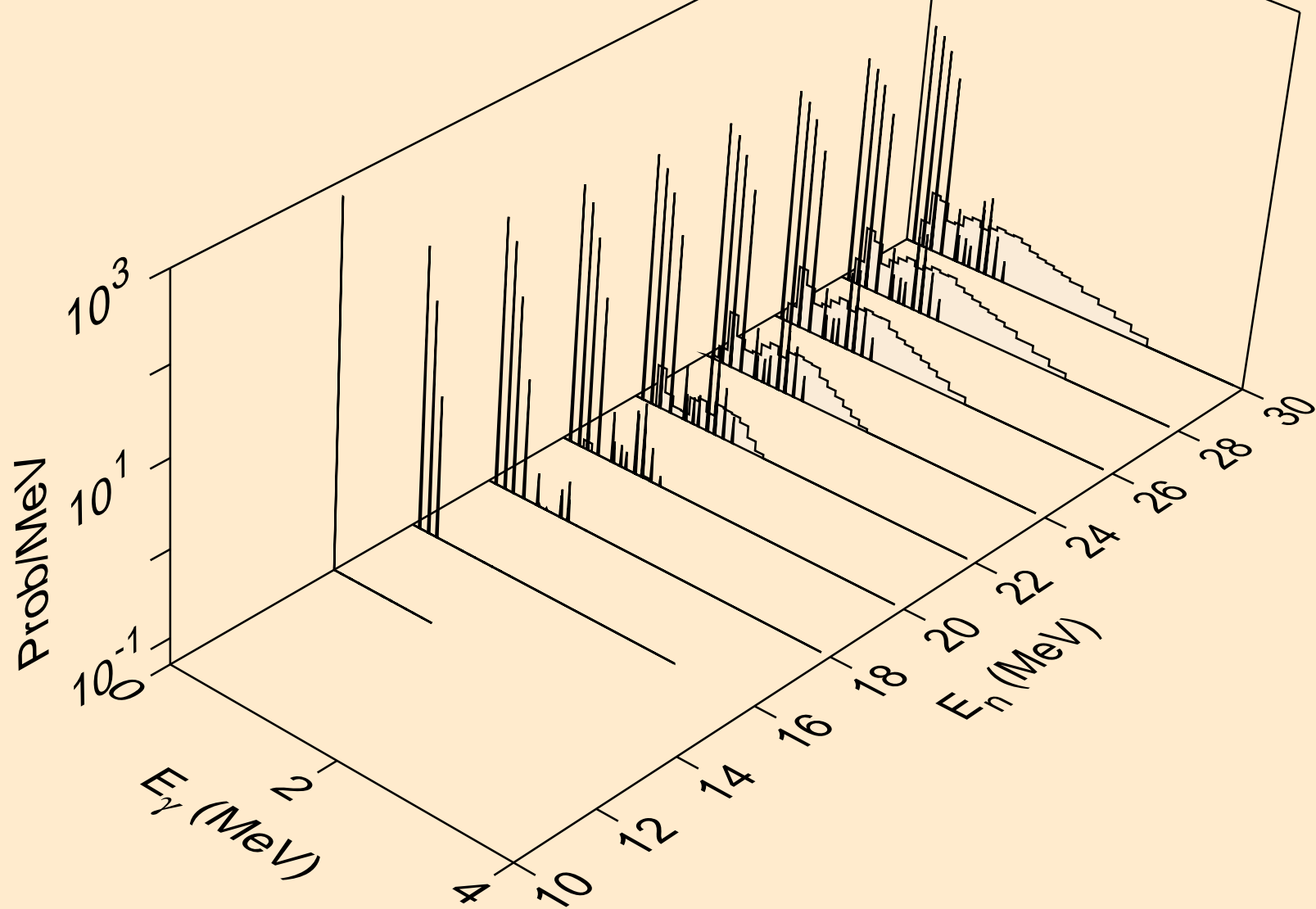
HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



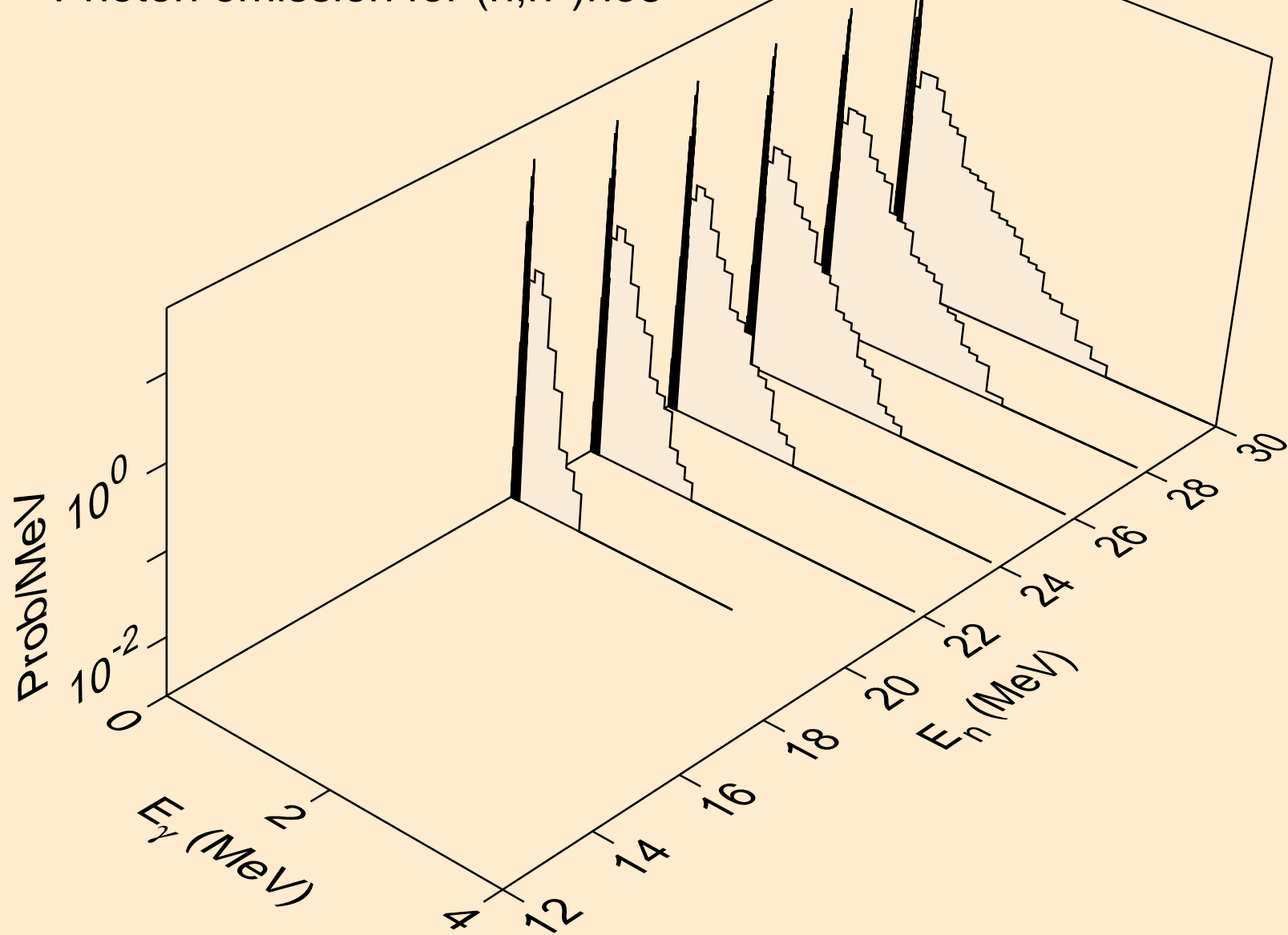
HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



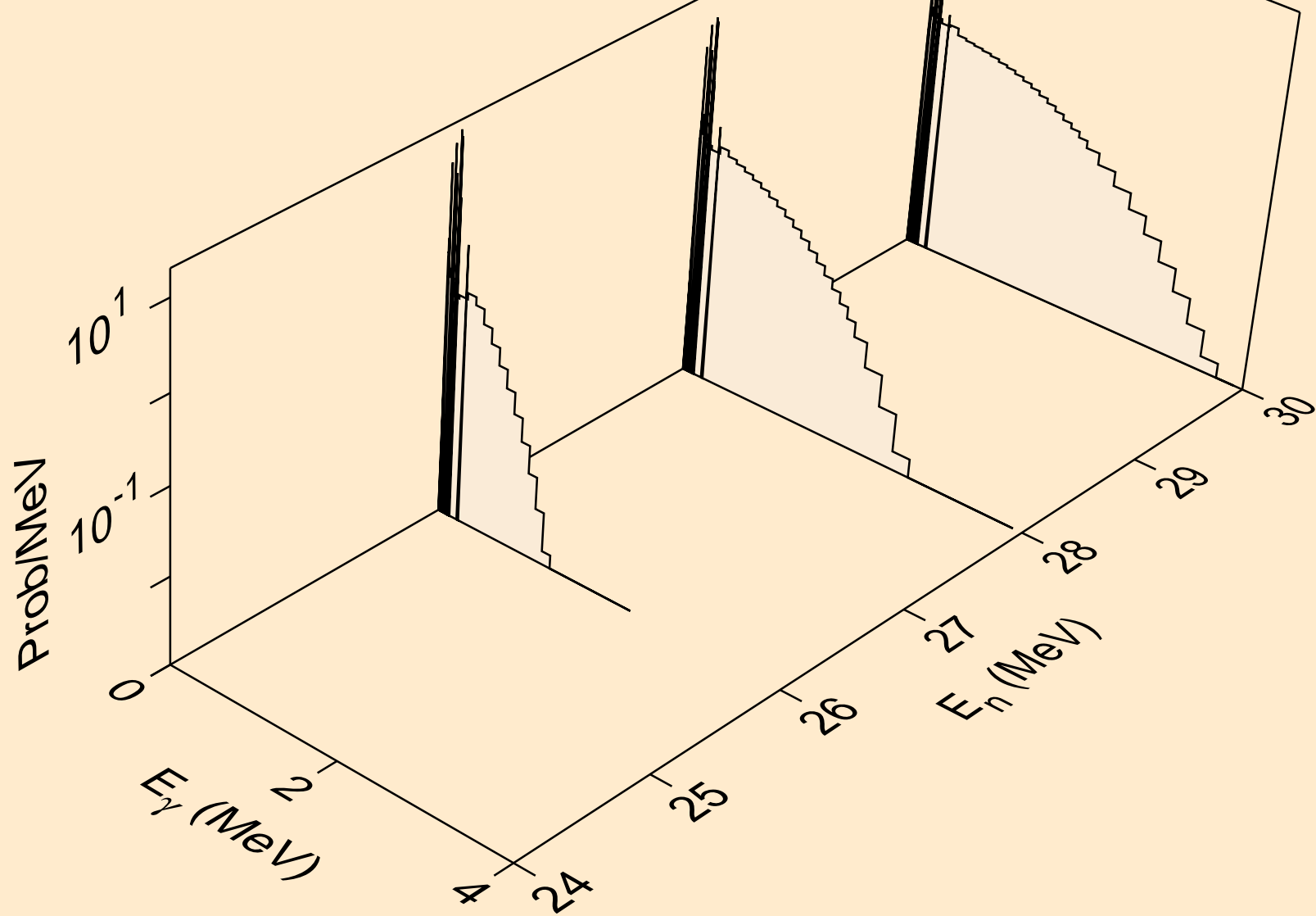
HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3

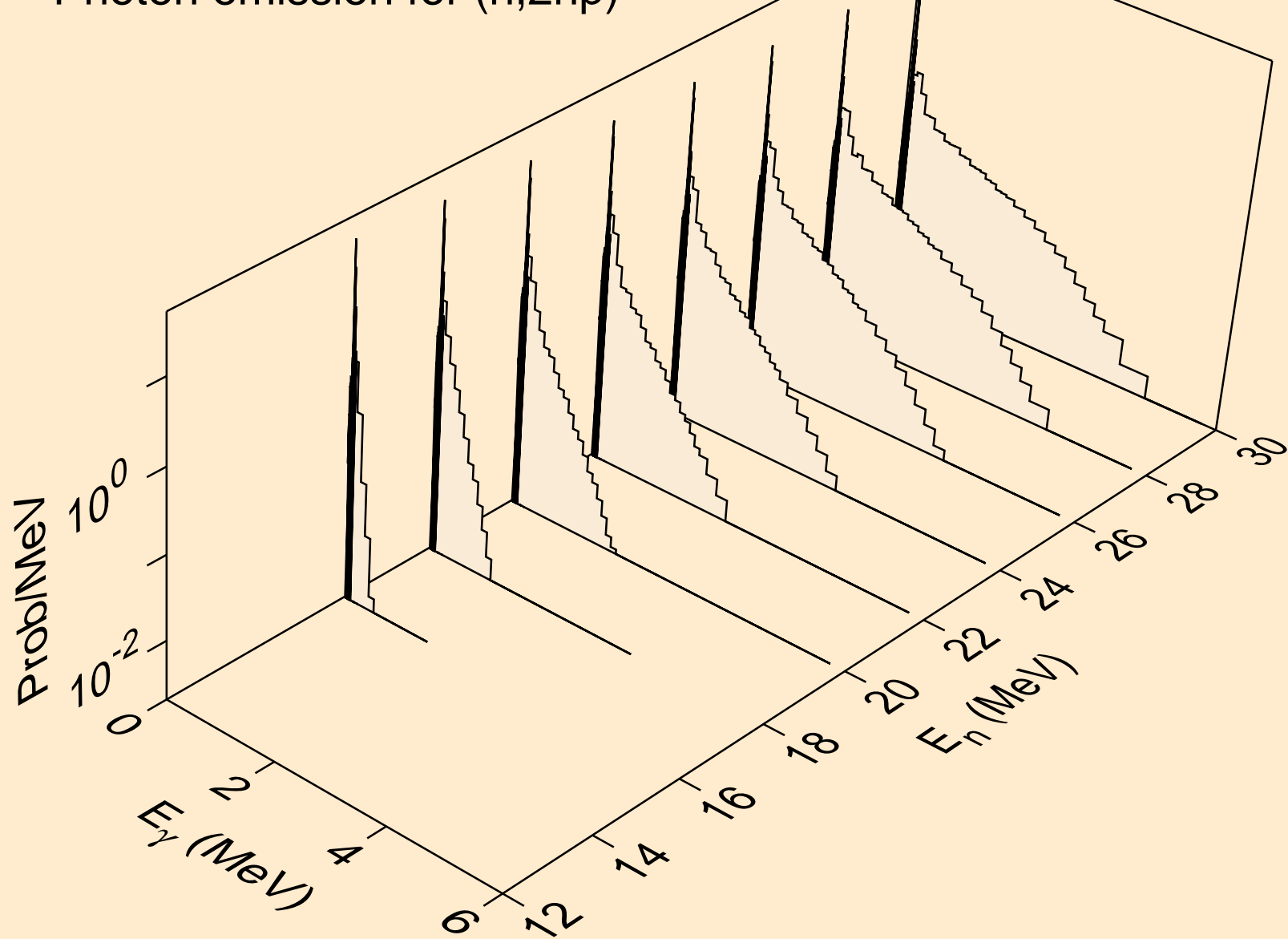


HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,4n)

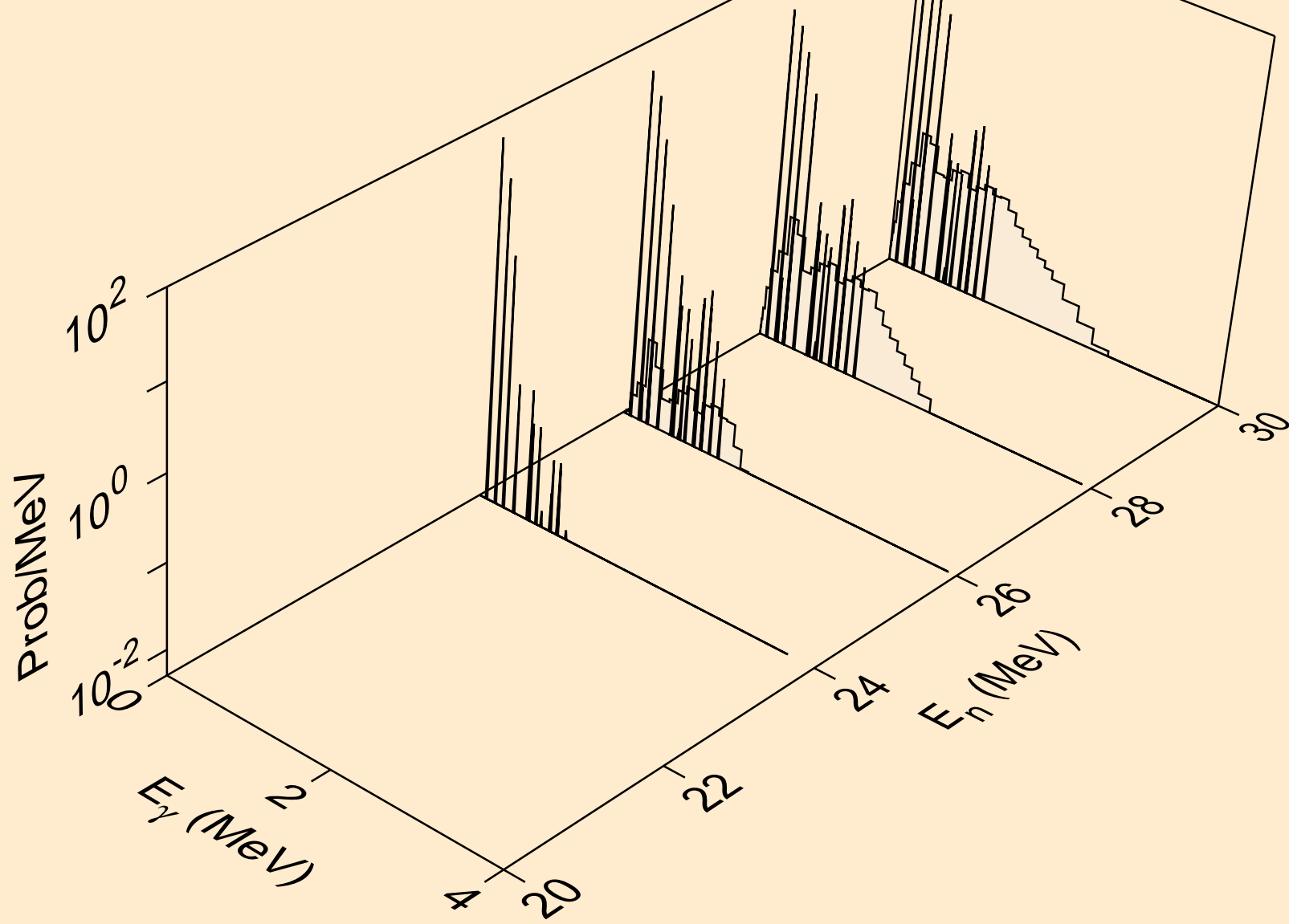




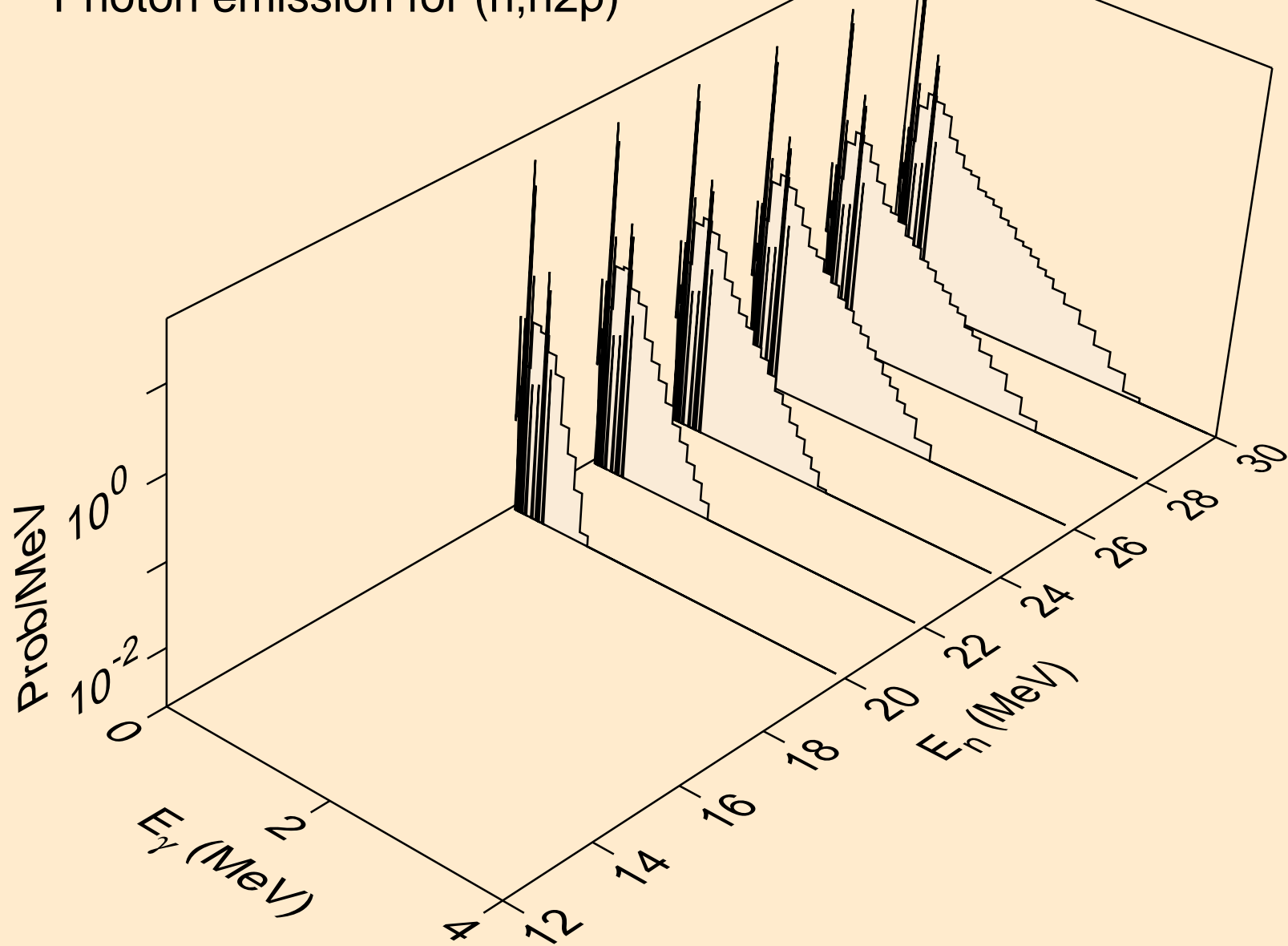
HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2np)



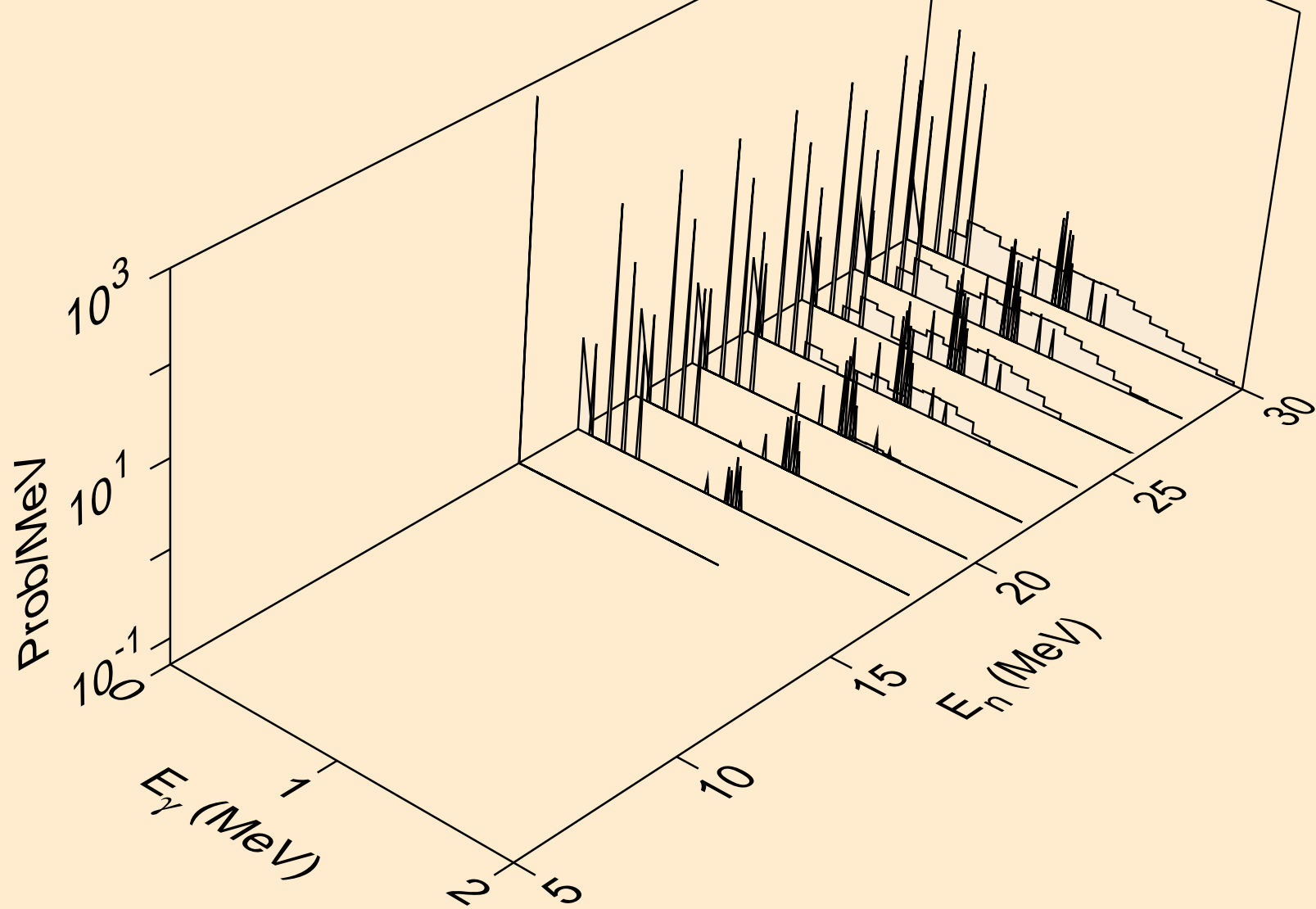
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Photon emission for (n,3np)



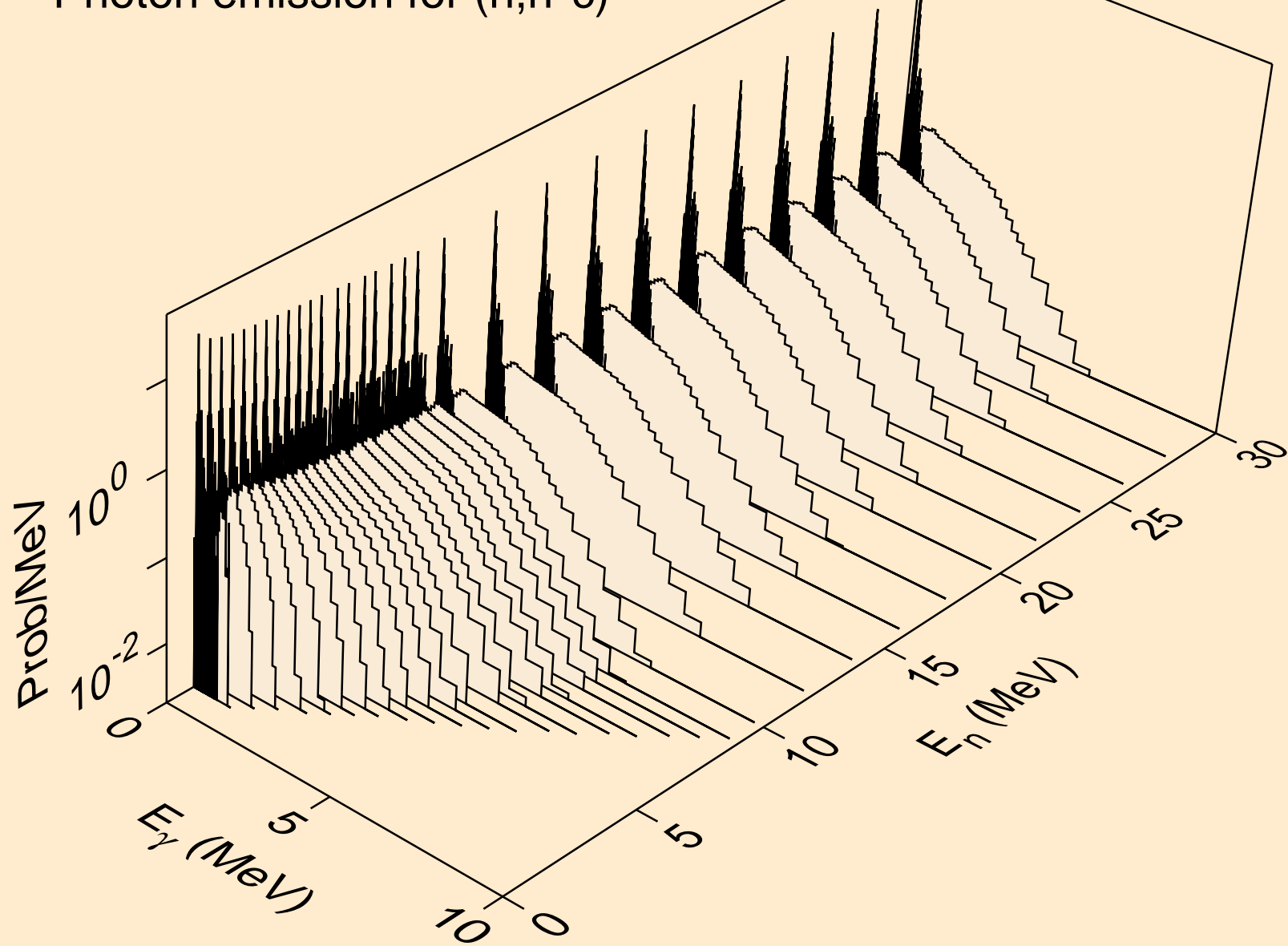
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Photon emission for (n,n2p)



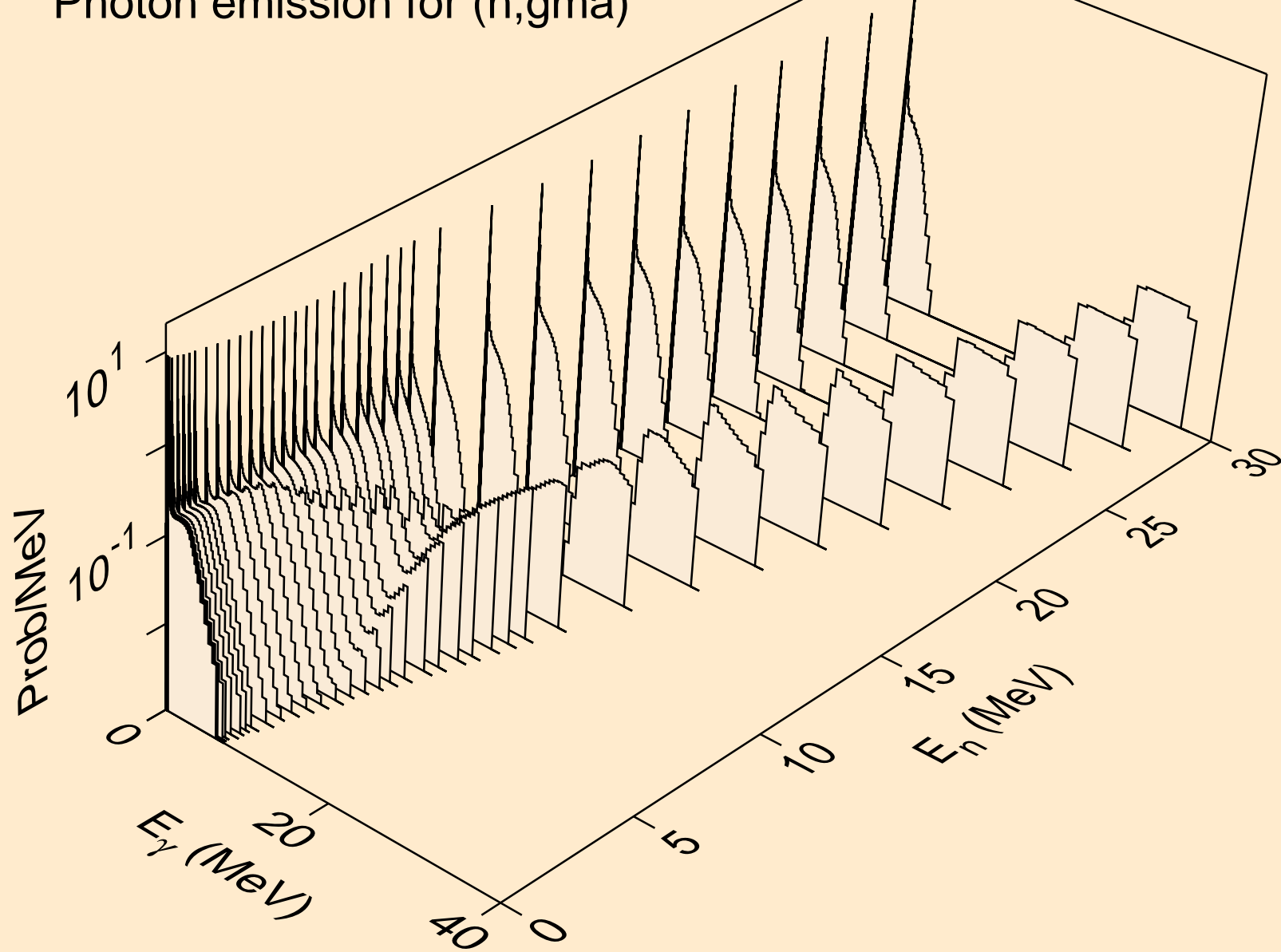
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Photon emission for (n,npa)



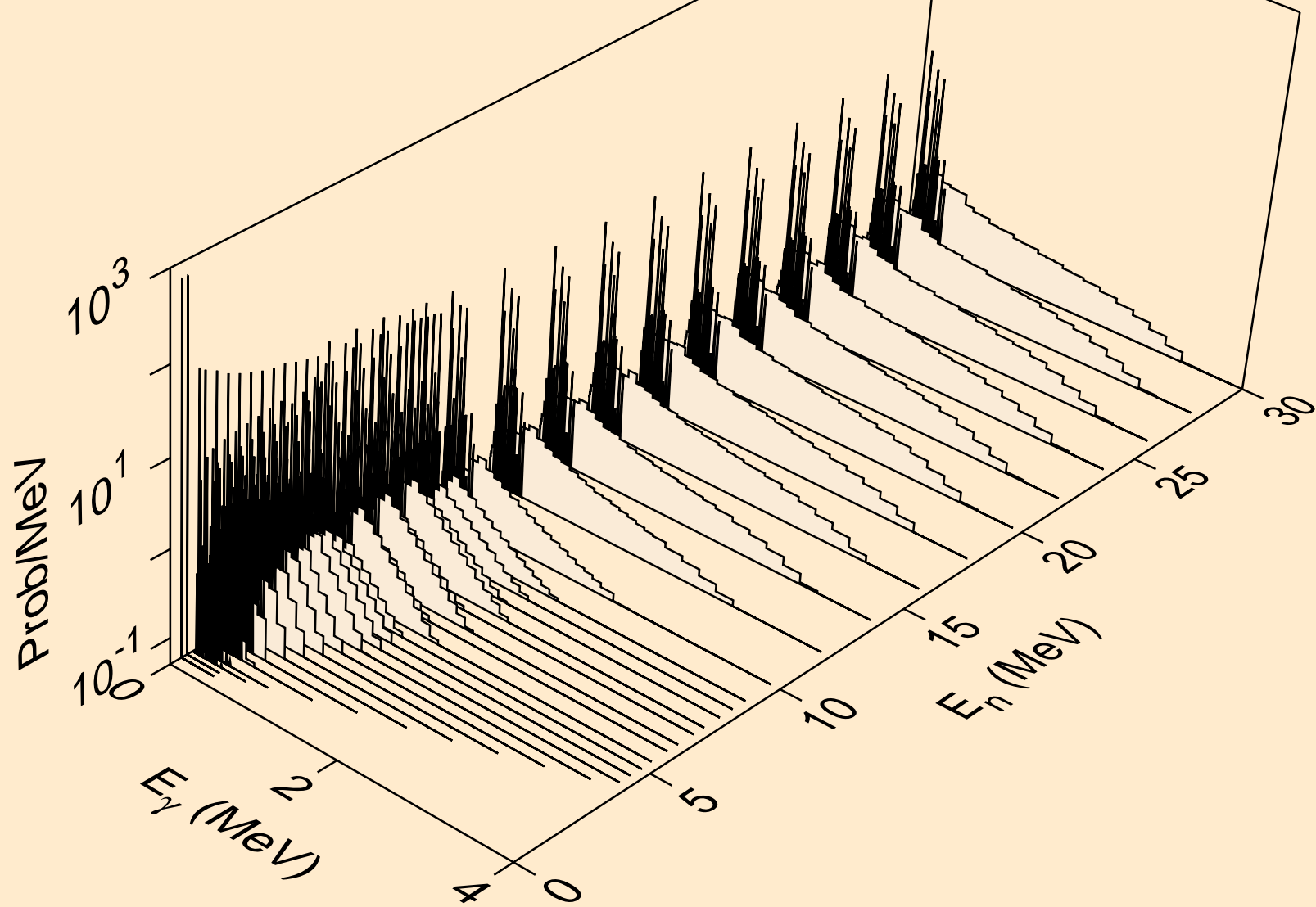
HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*c)



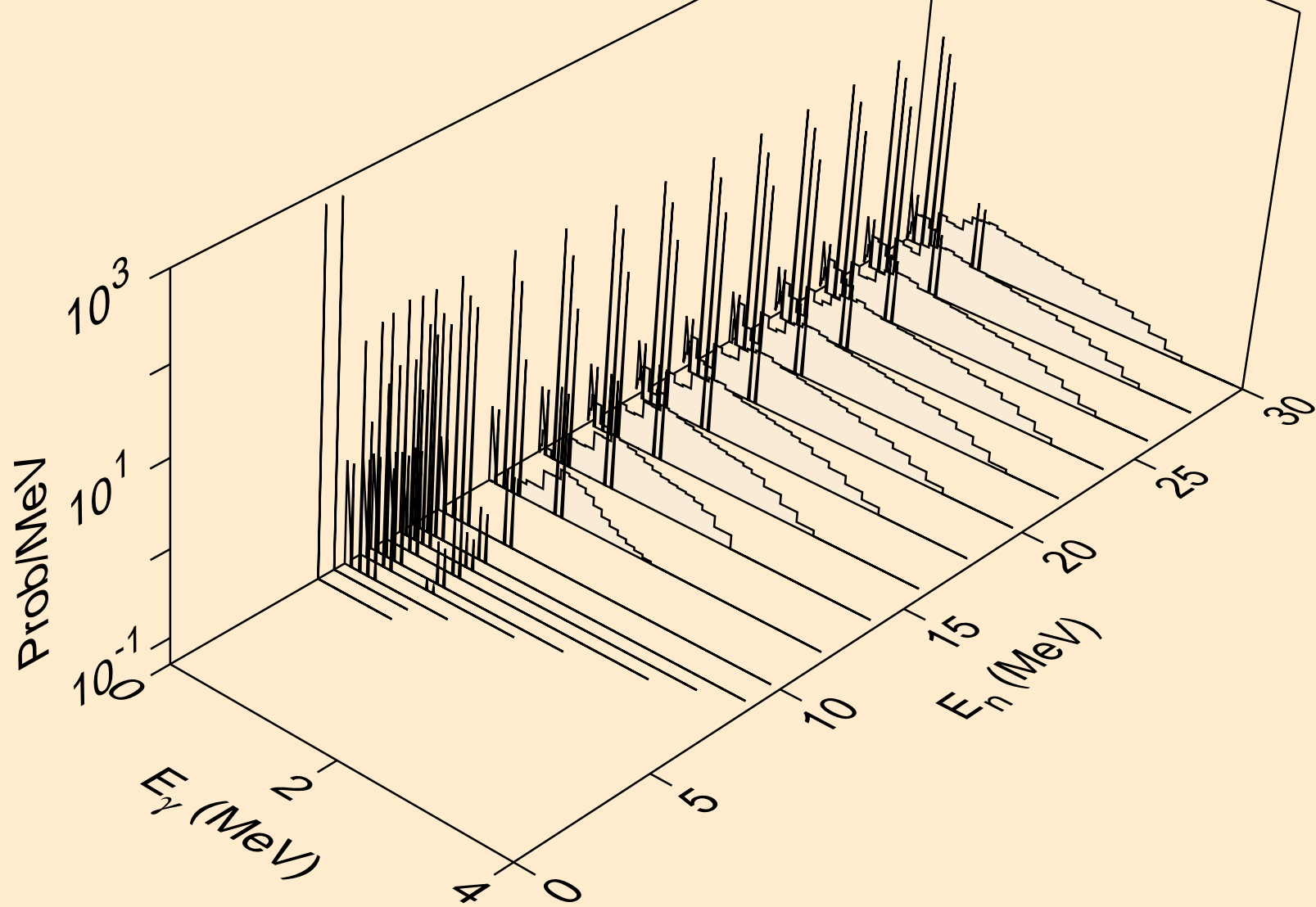
HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,gma)



HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p)

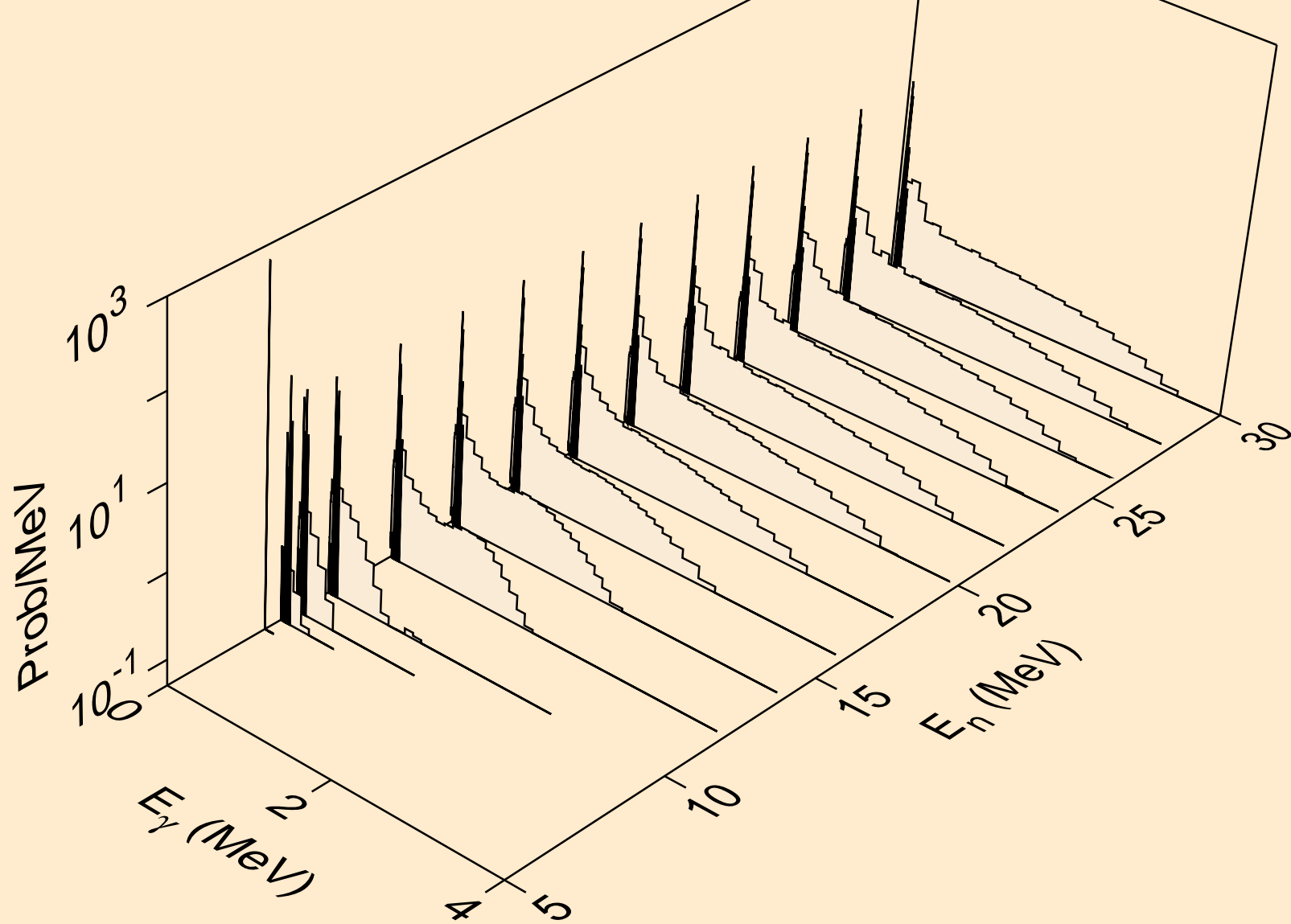


HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,d)

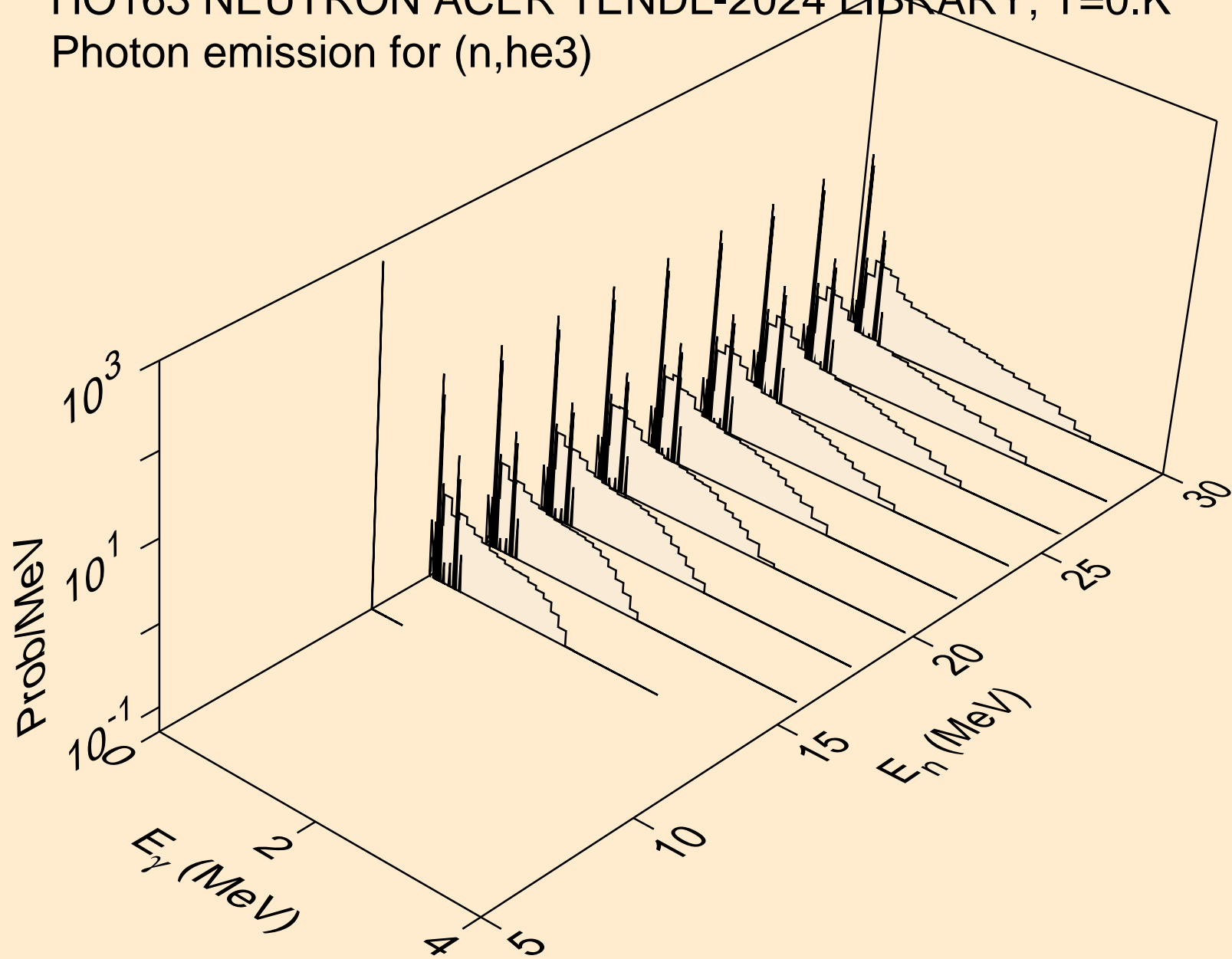




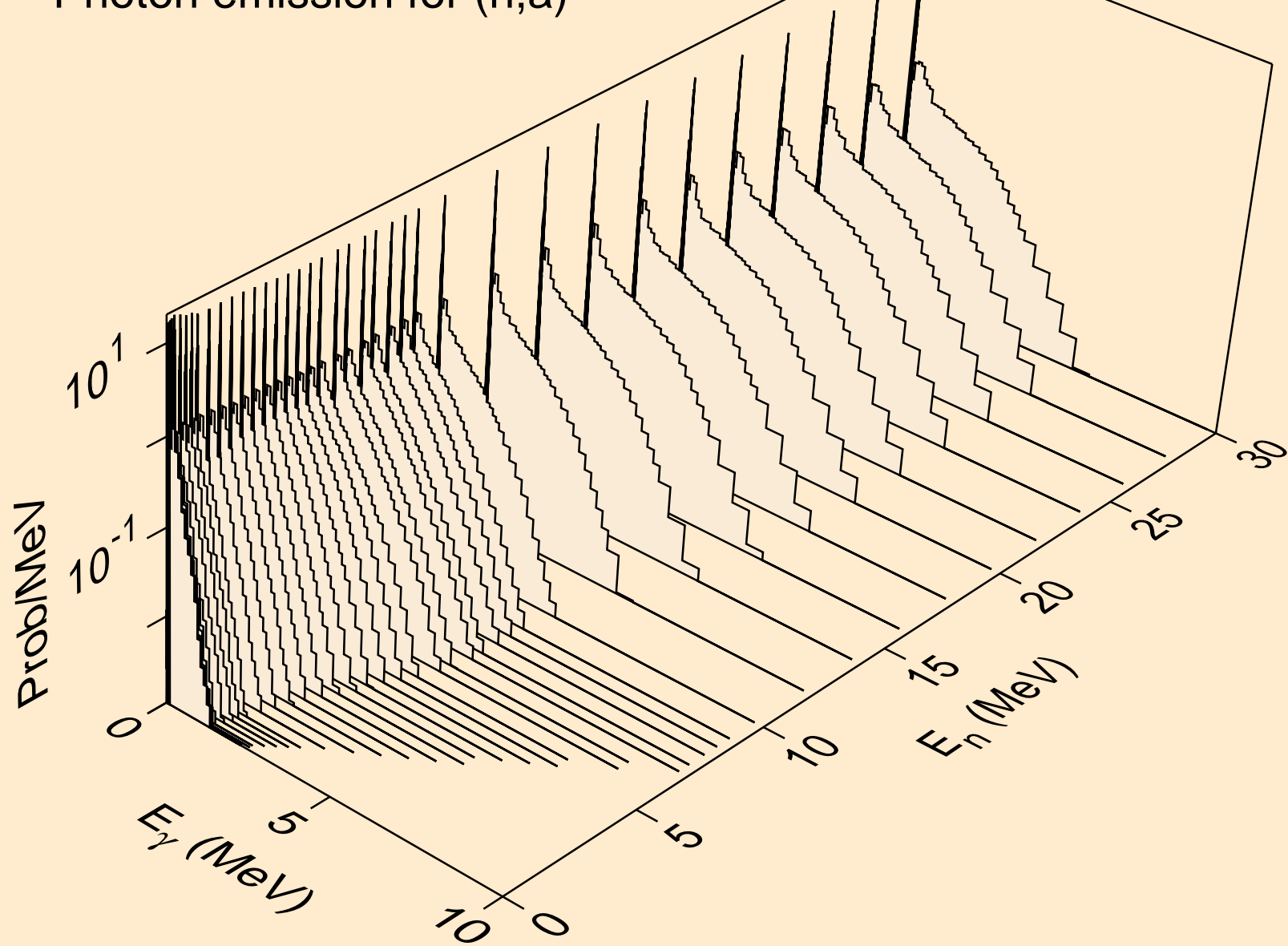
HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,t)



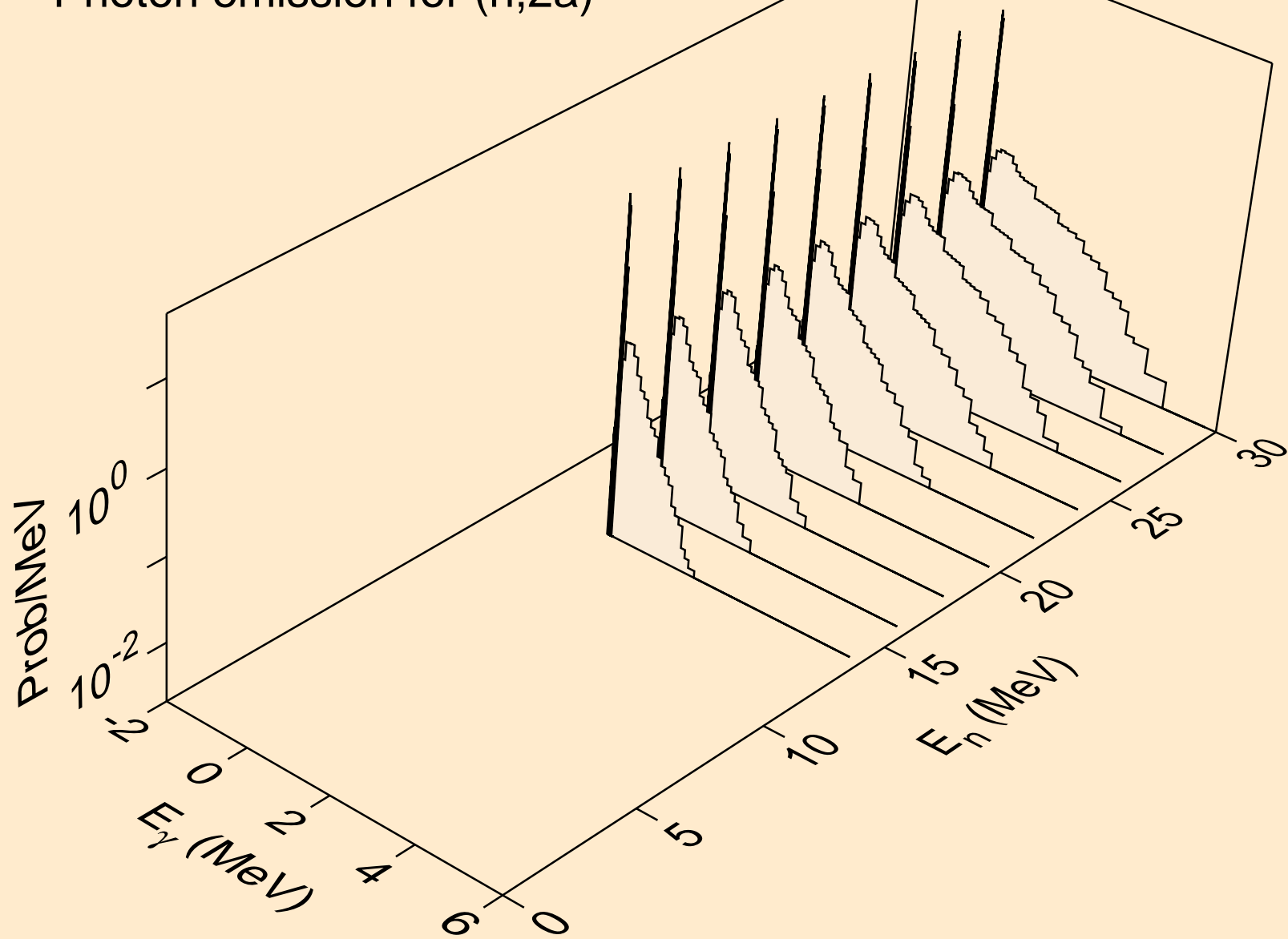
HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,he3)



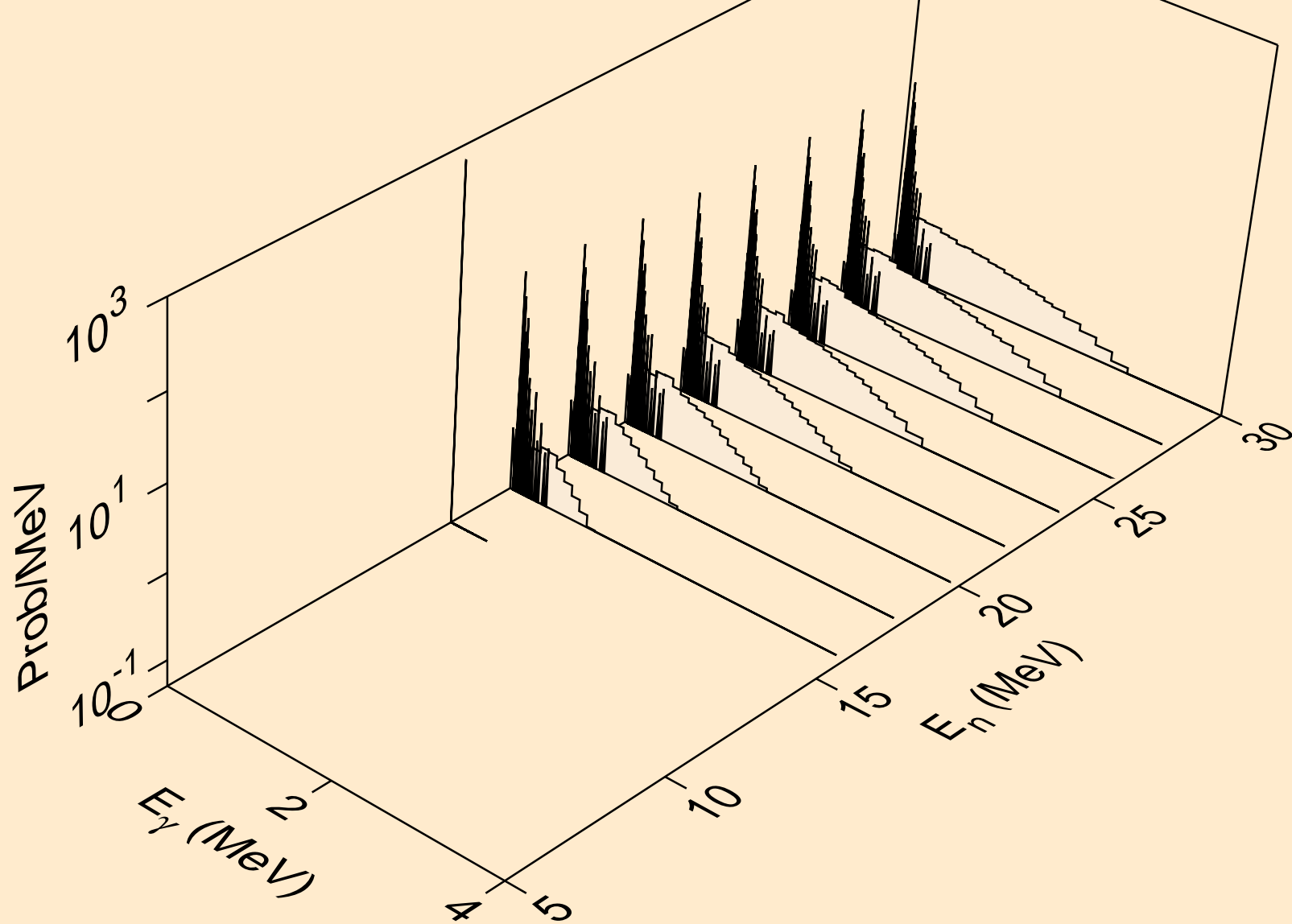
HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,a)



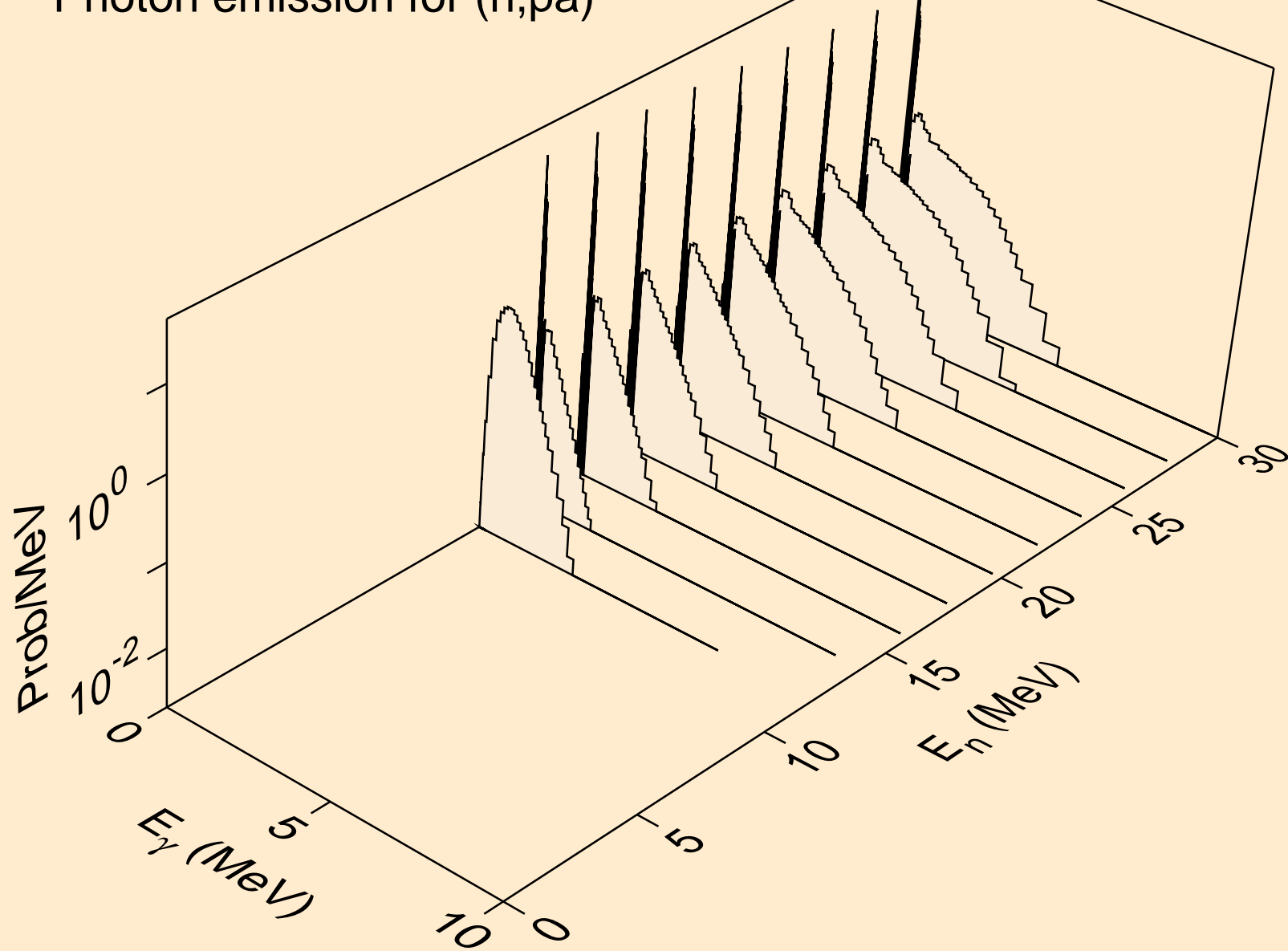
HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2a)



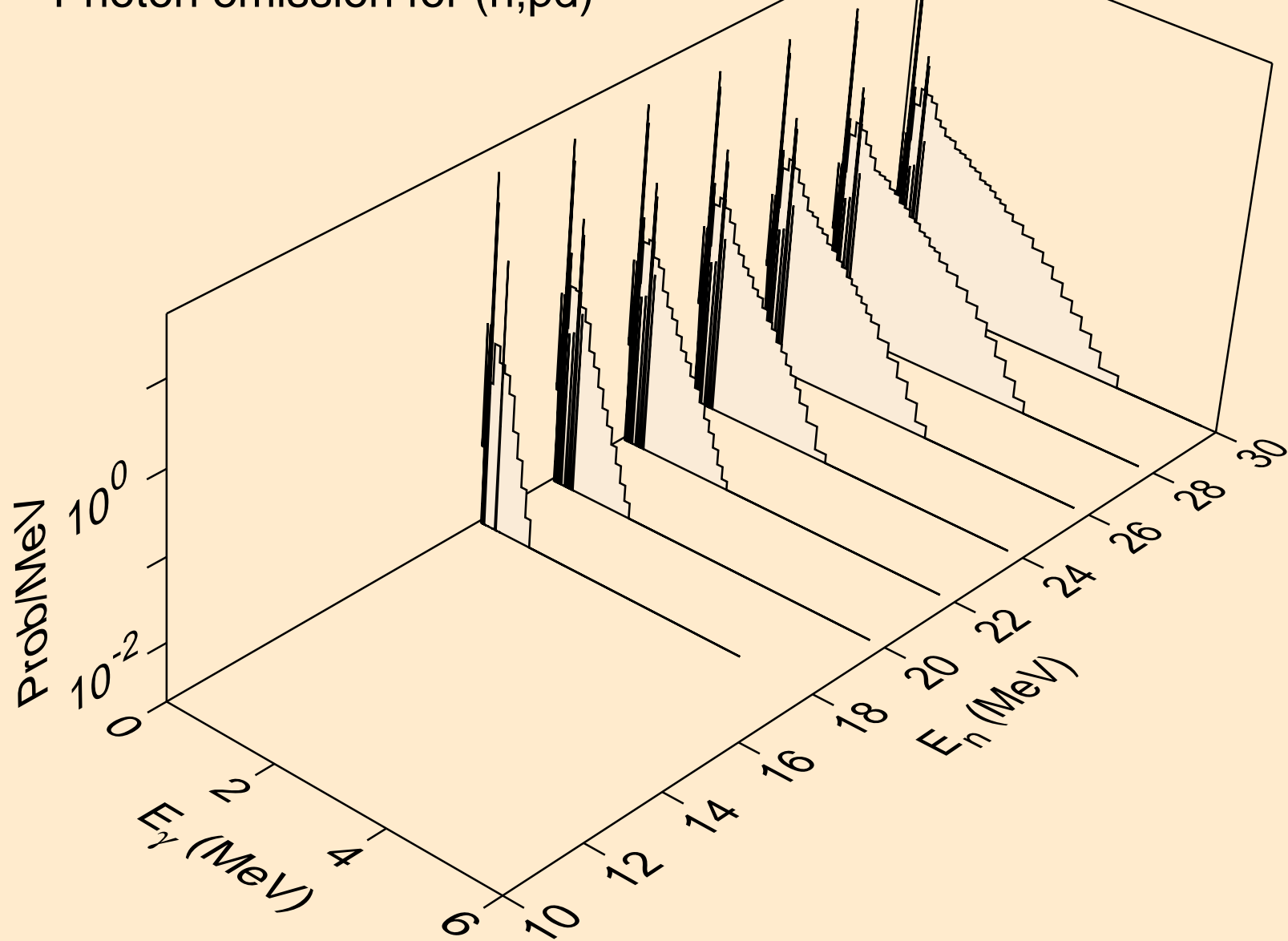
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Photon emission for (n,2p)



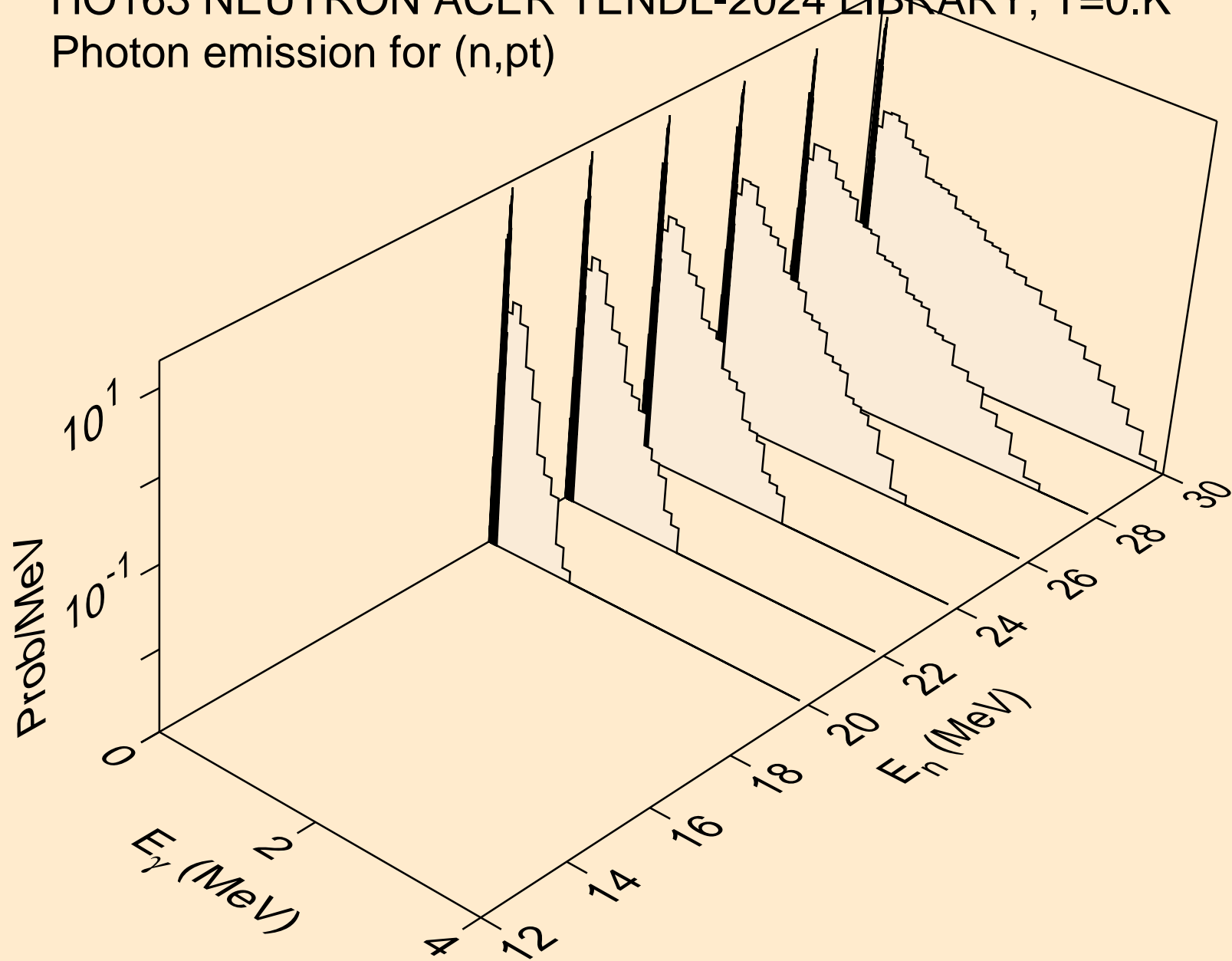
HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p)



HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pd)

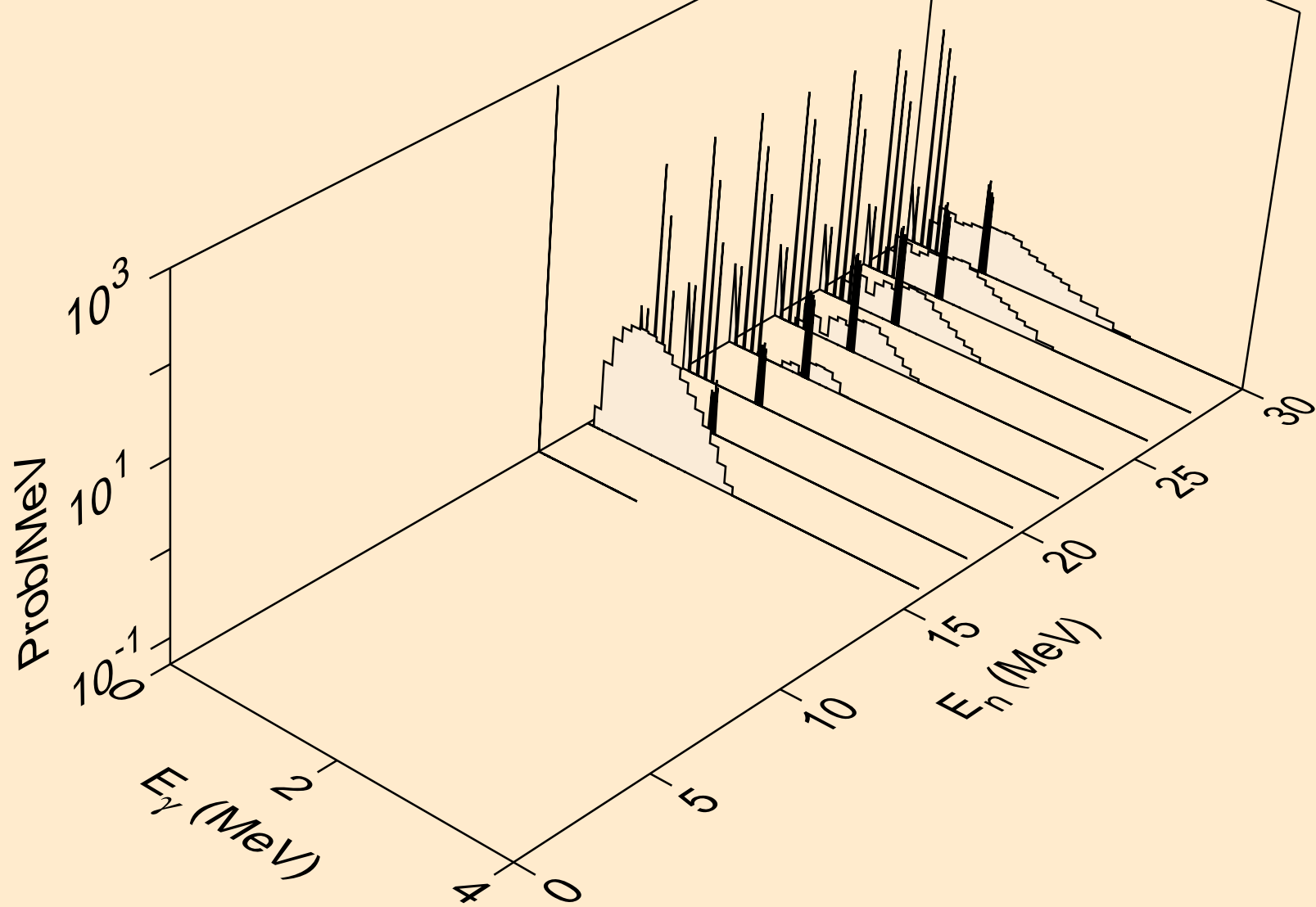


HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pt)

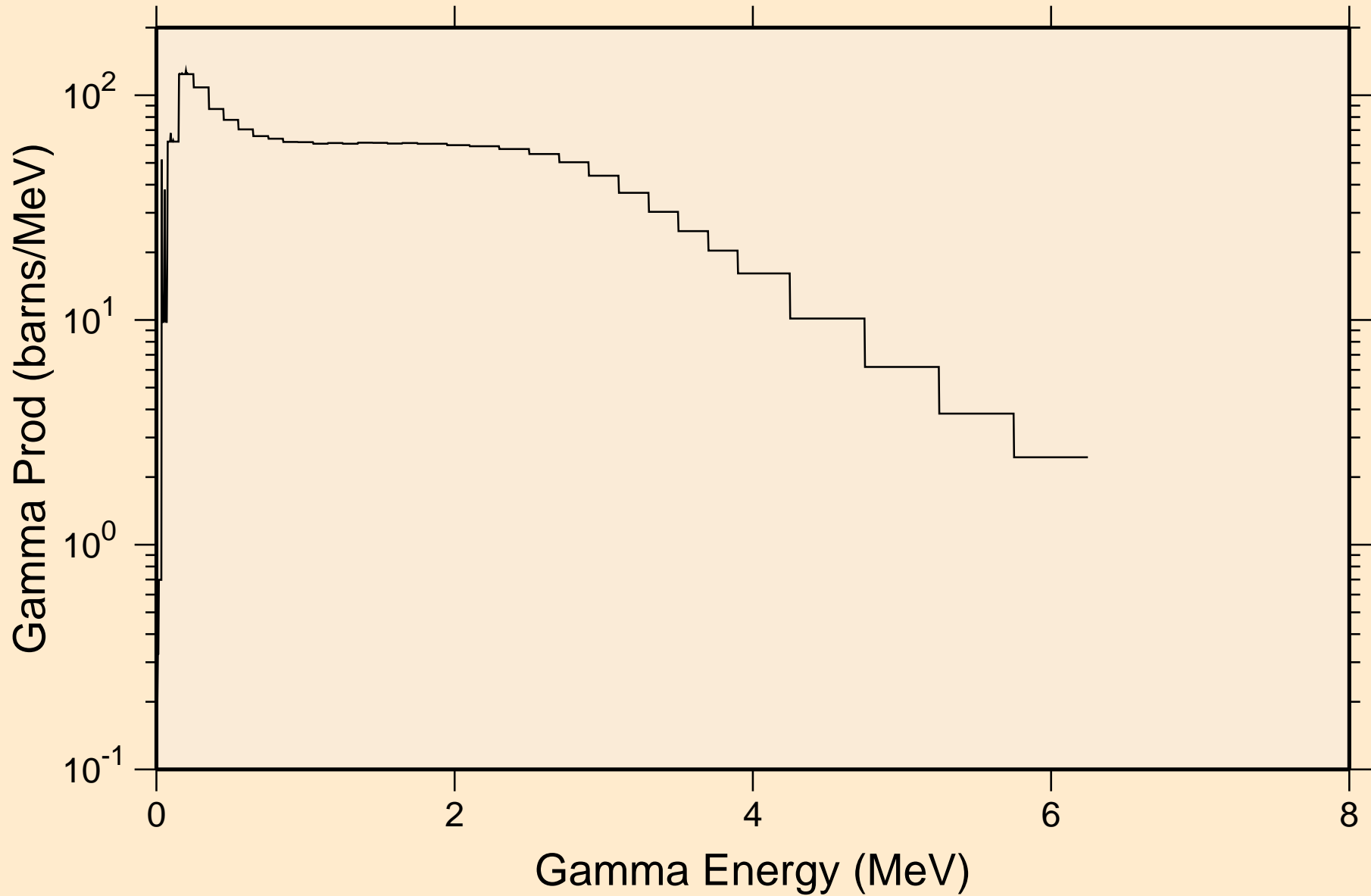




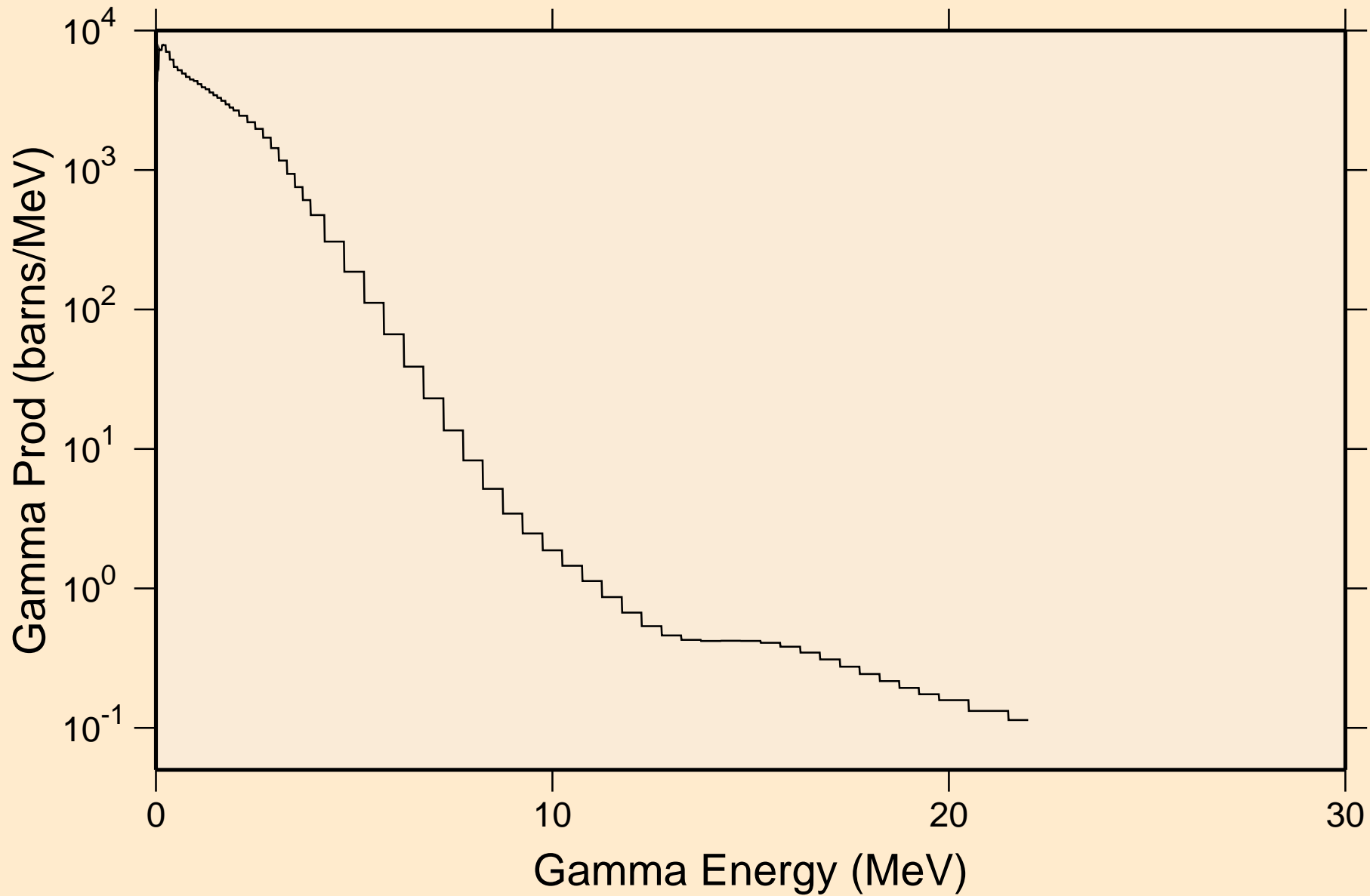
HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,da)



HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
thermal capture photon spectrum

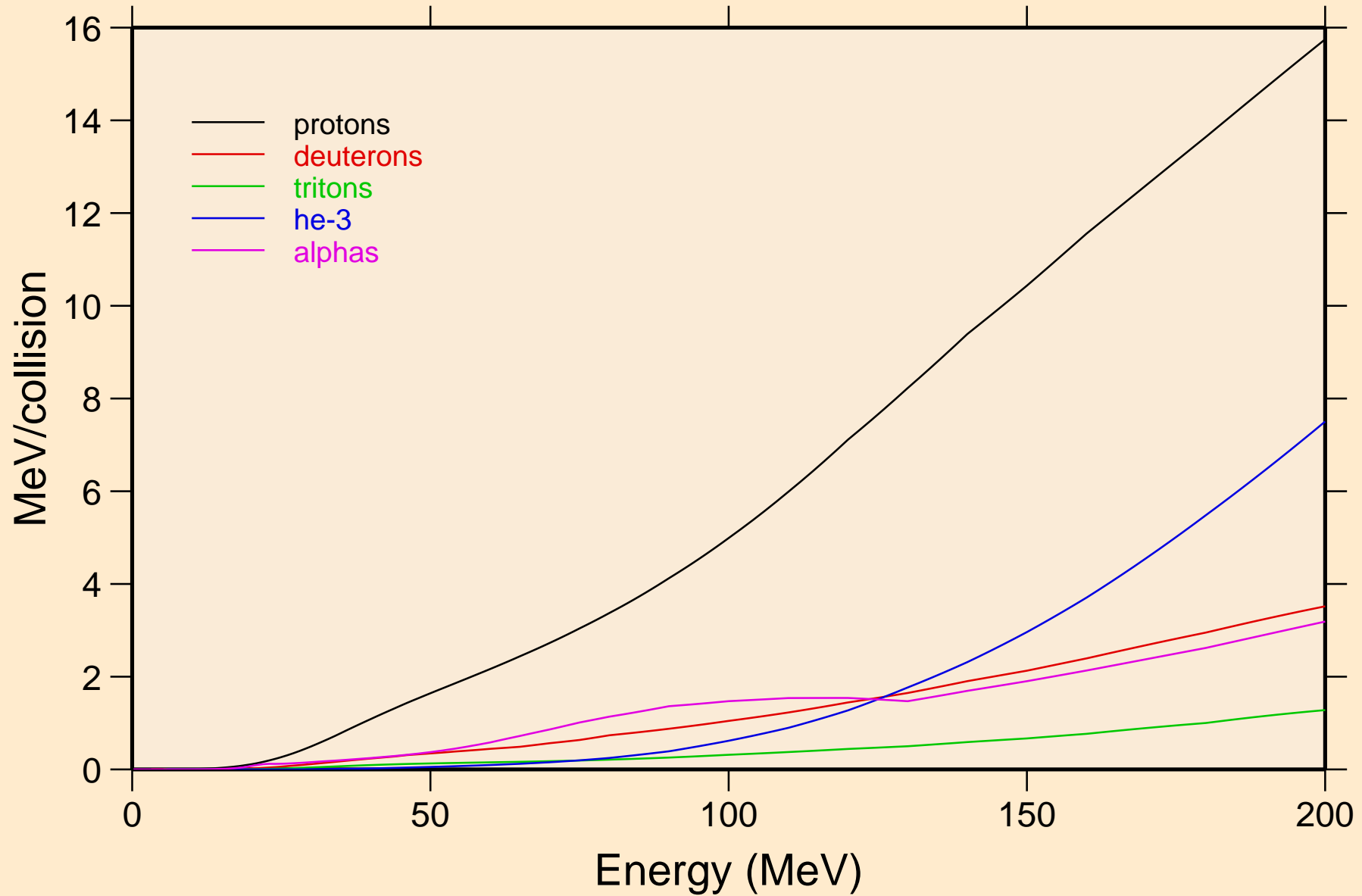


HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
14 MeV photon spectrum



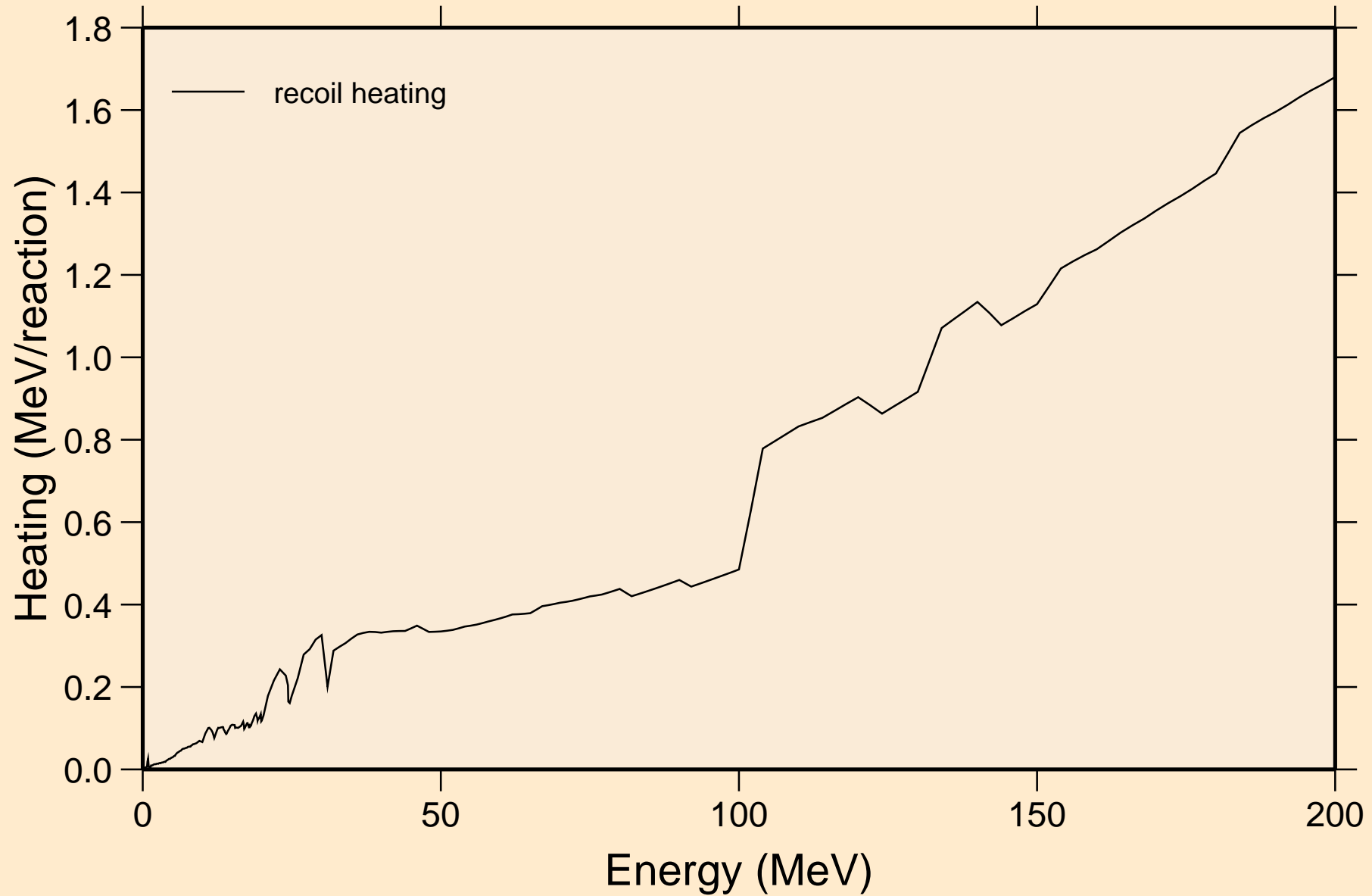
# HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Particle heating contributions

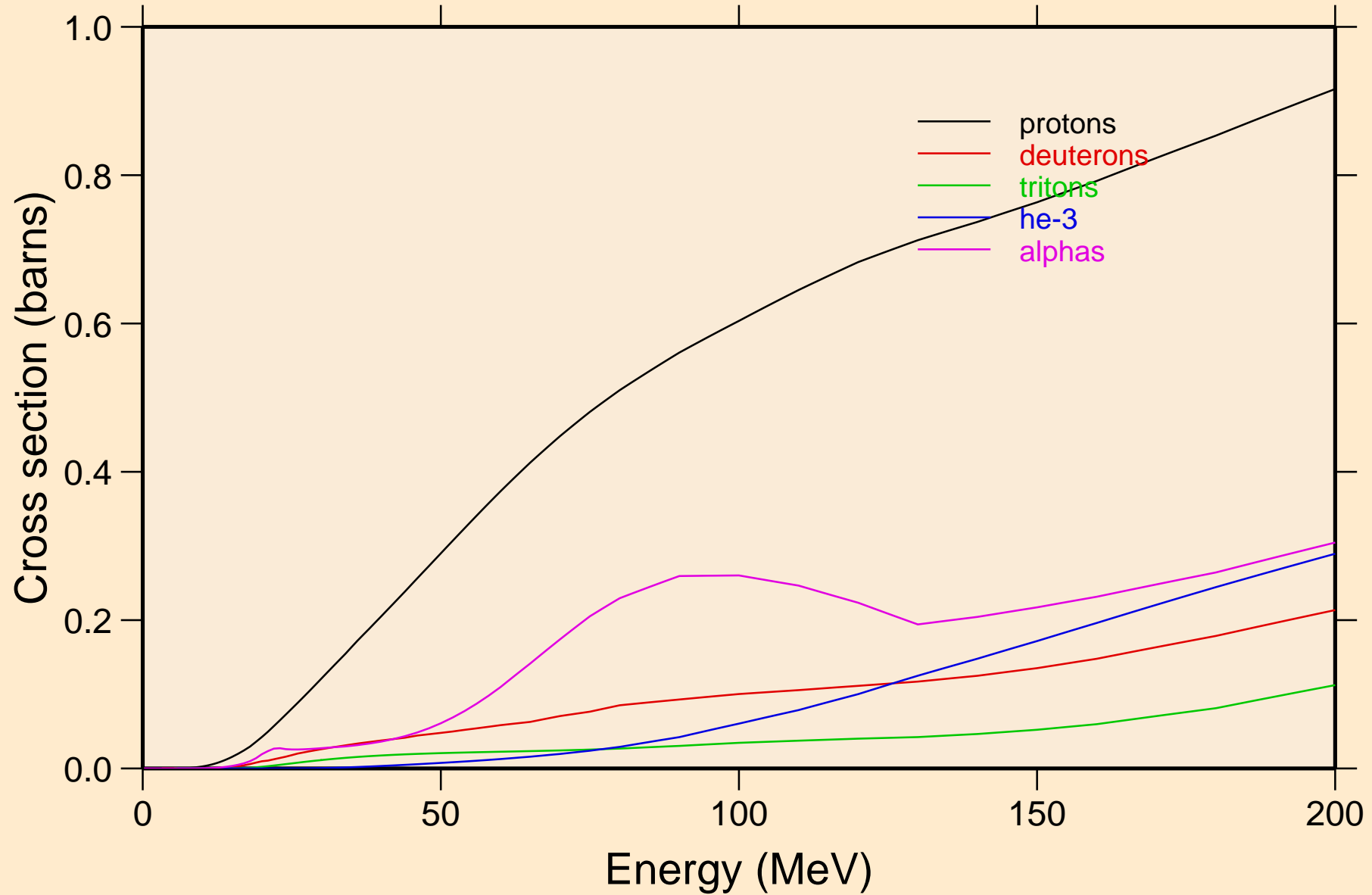


# HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

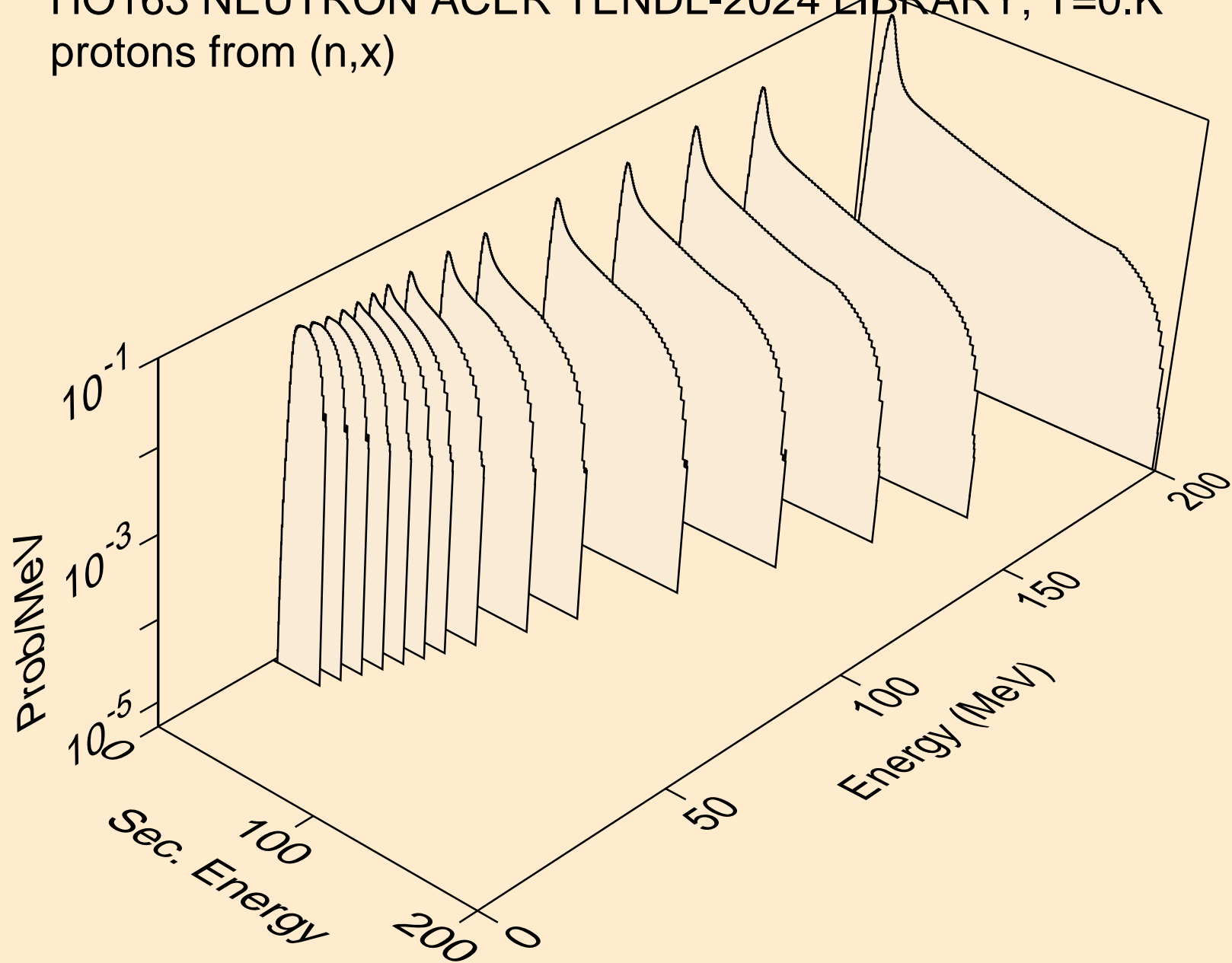
## Recoil Heating



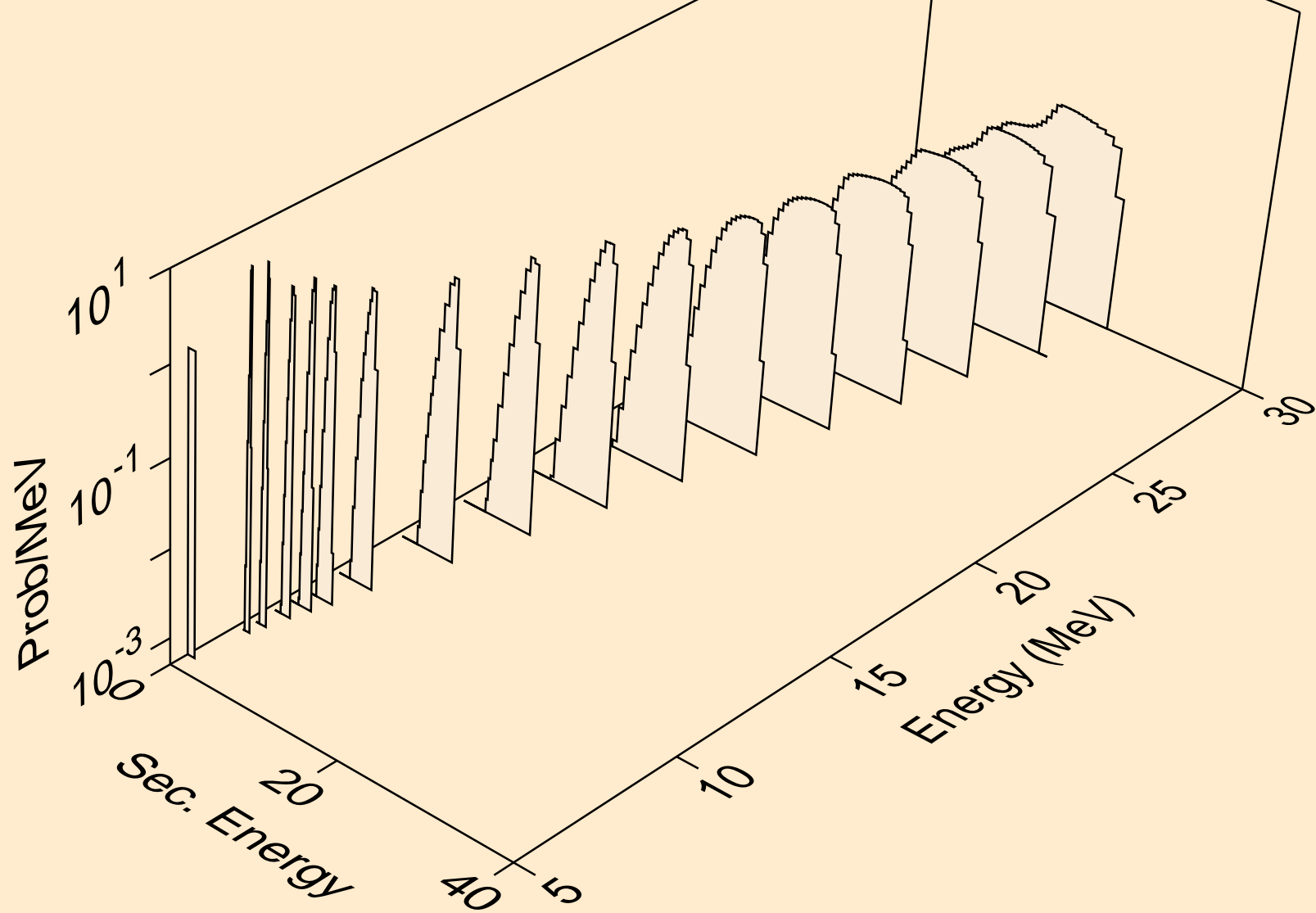
HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Particle production cross sections



HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,x)

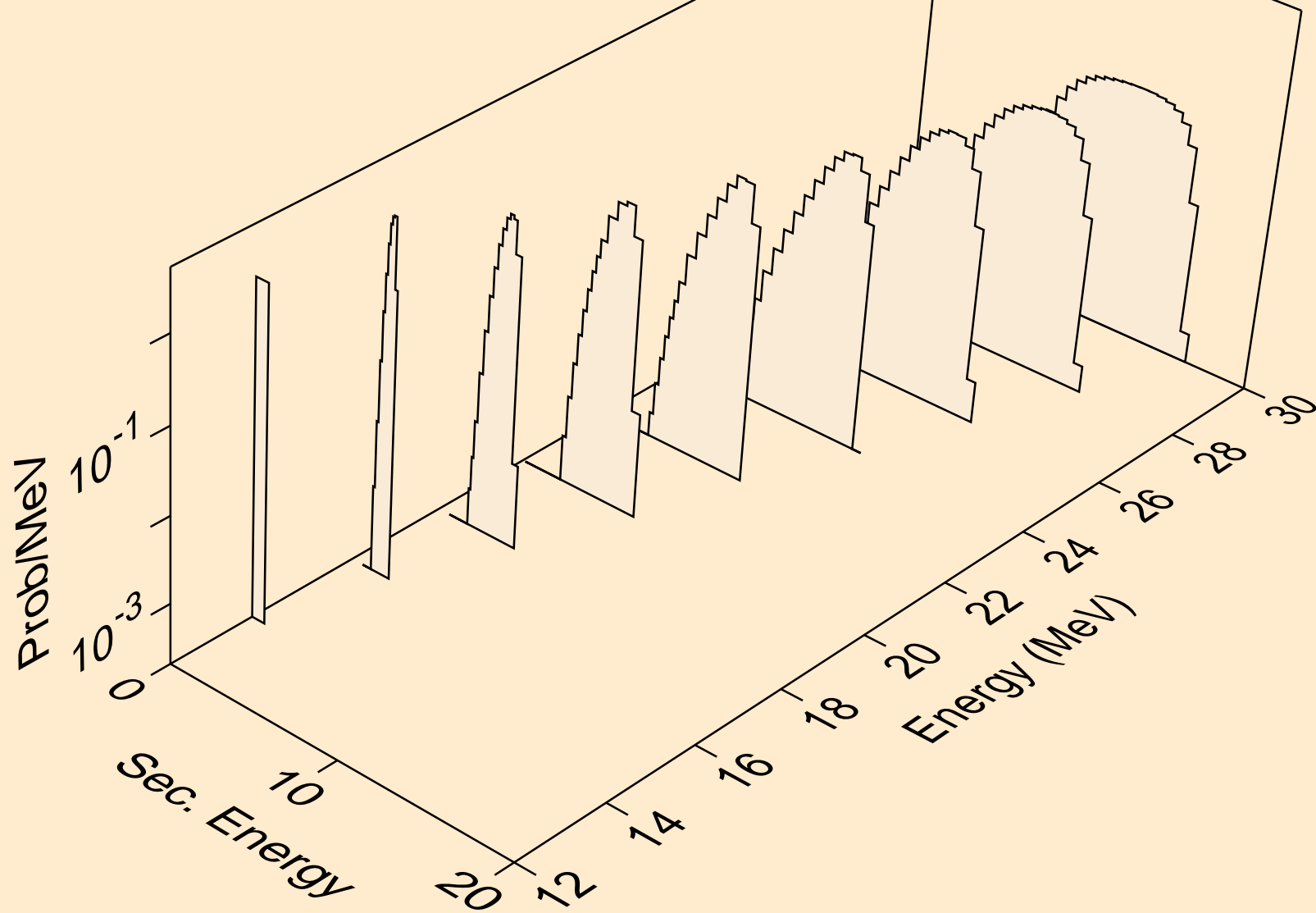


HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,n\*)p

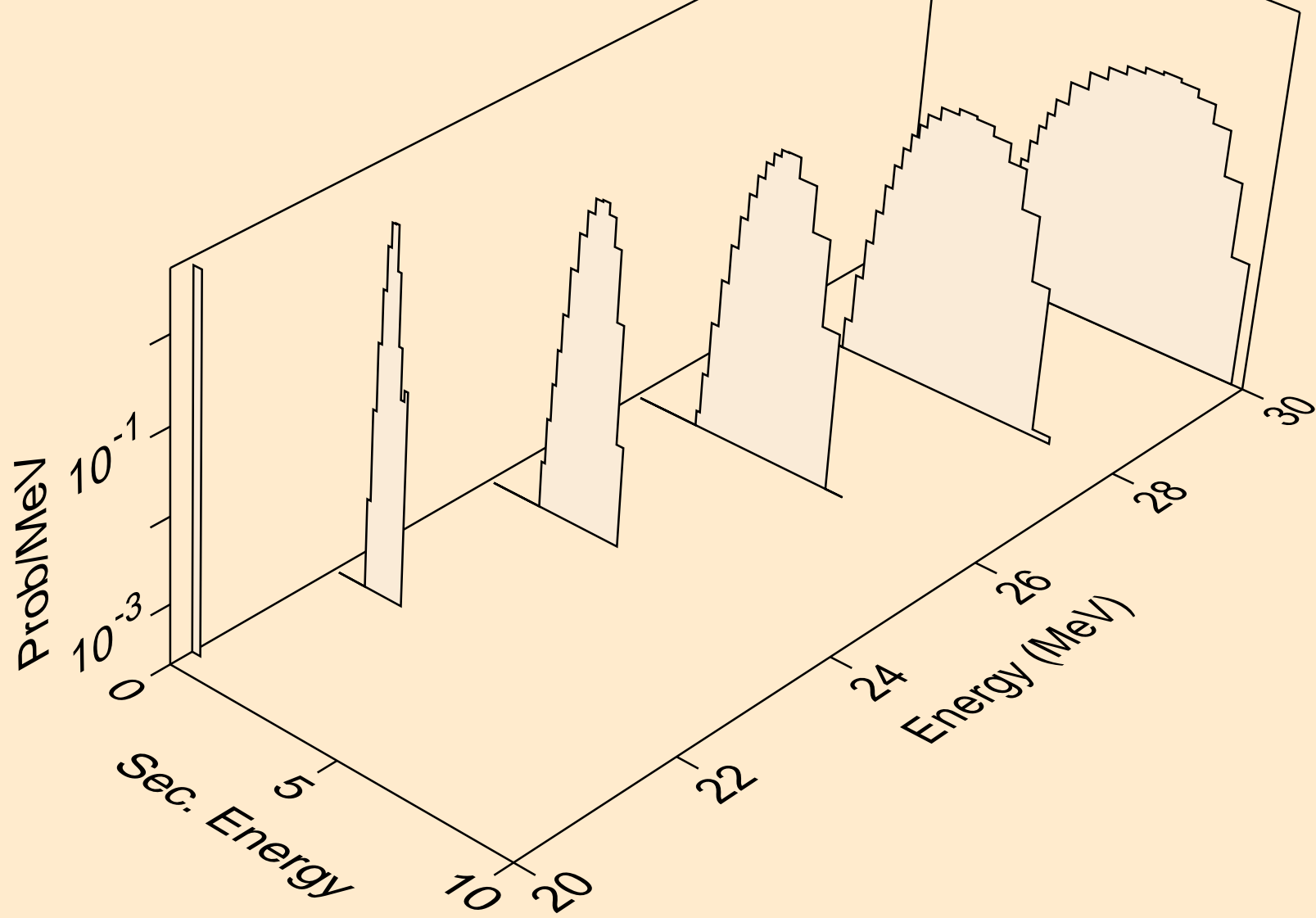




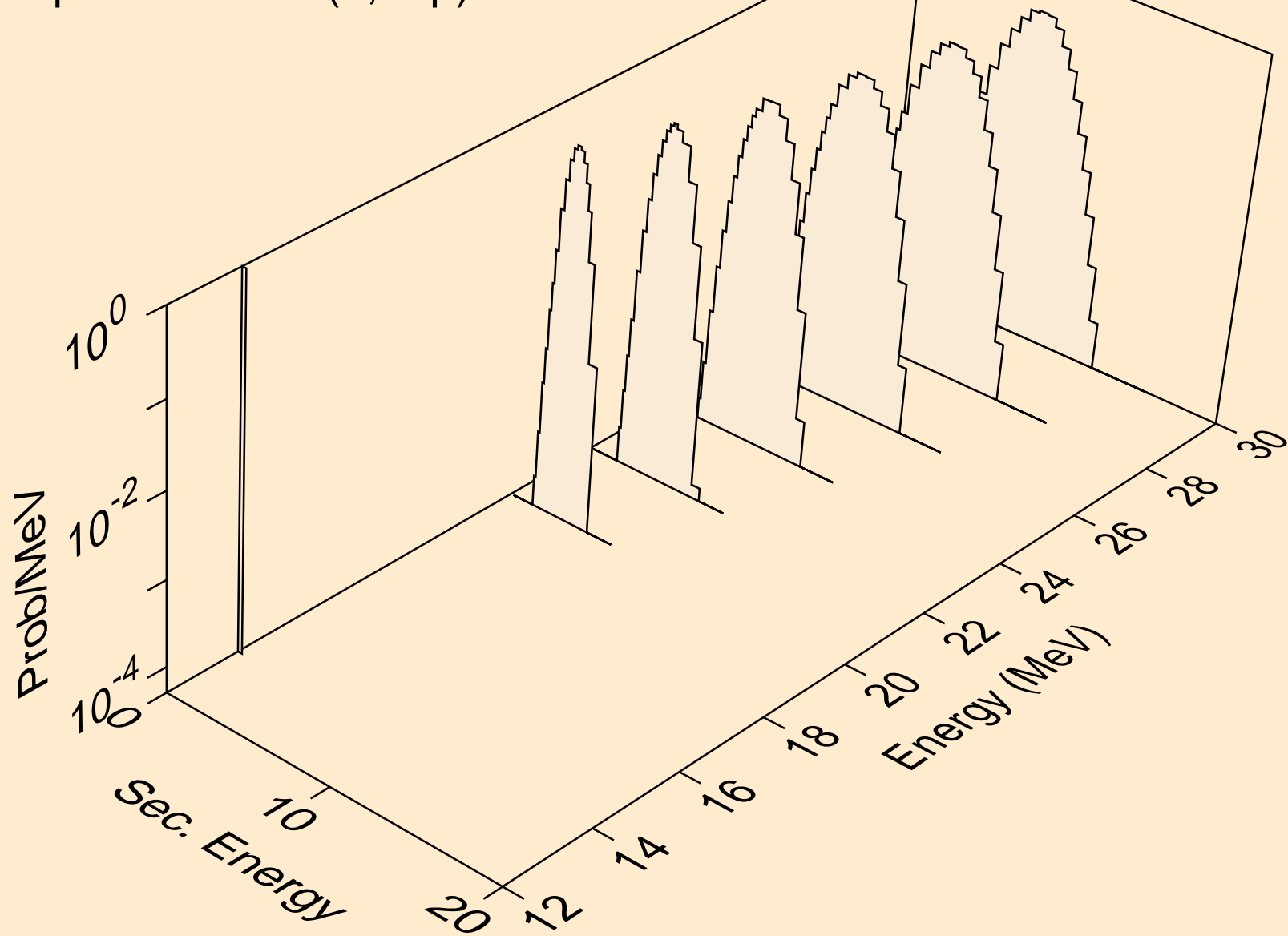
HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,2np)



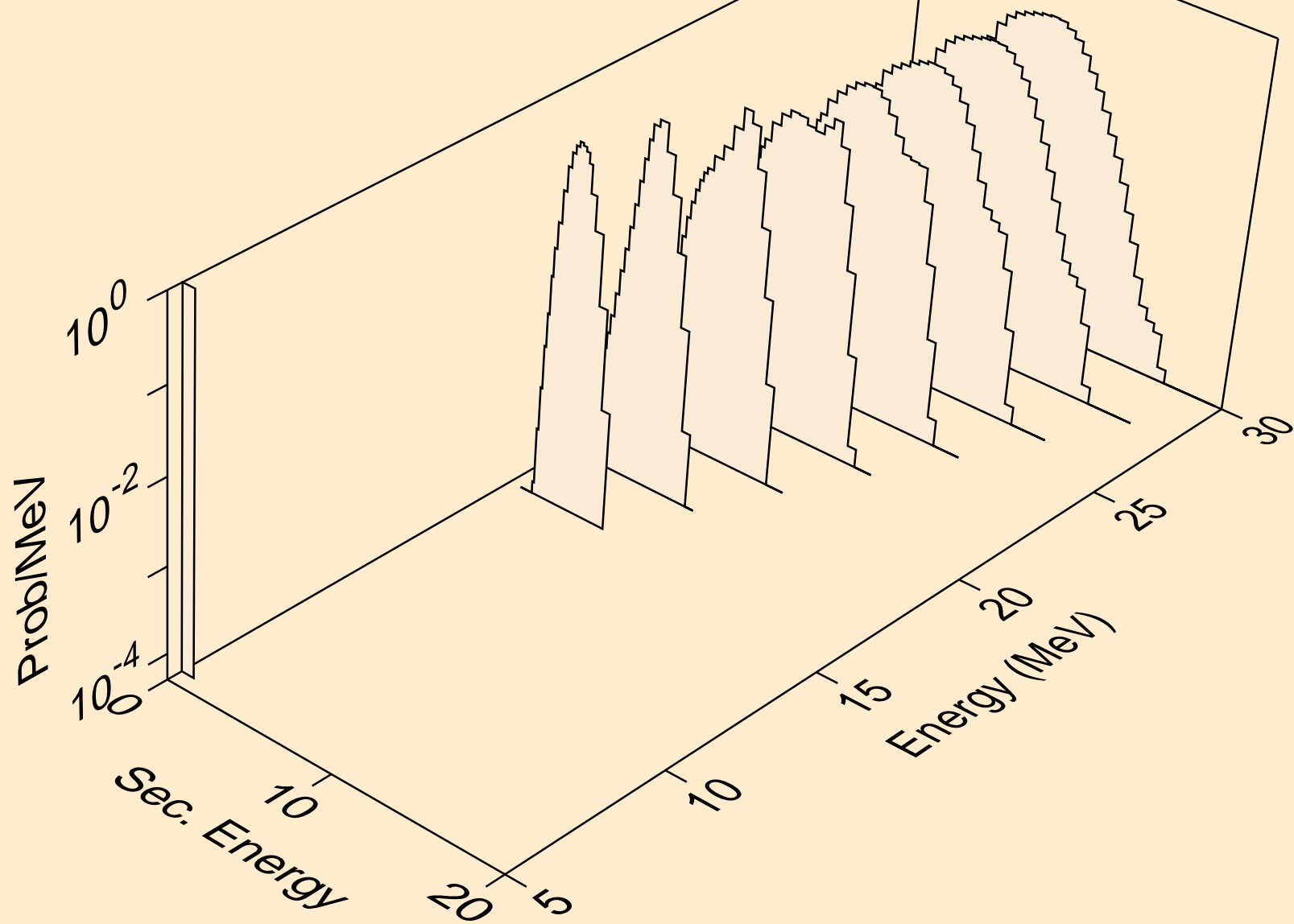
HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,3np)



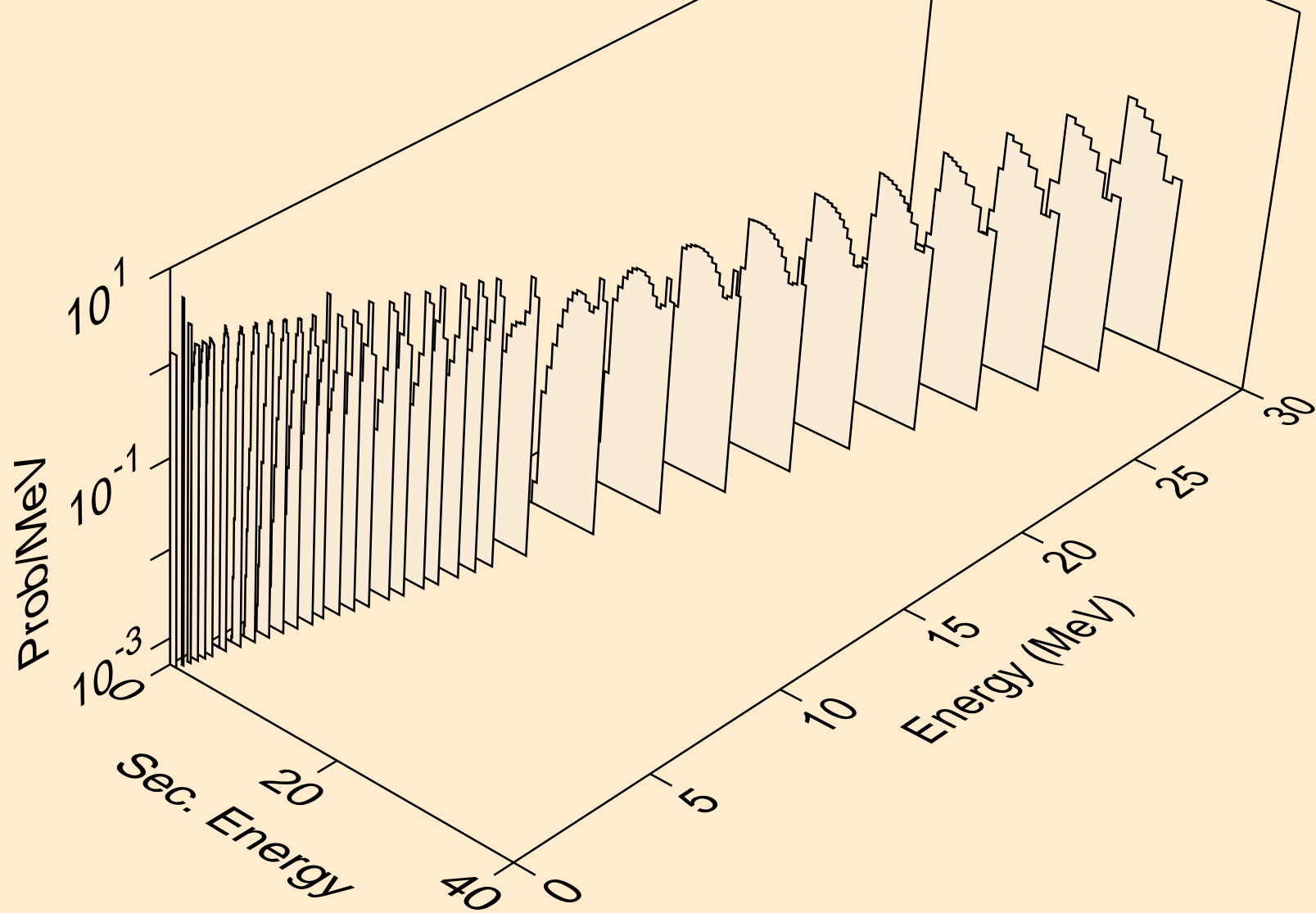
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protons from (n,n2p)



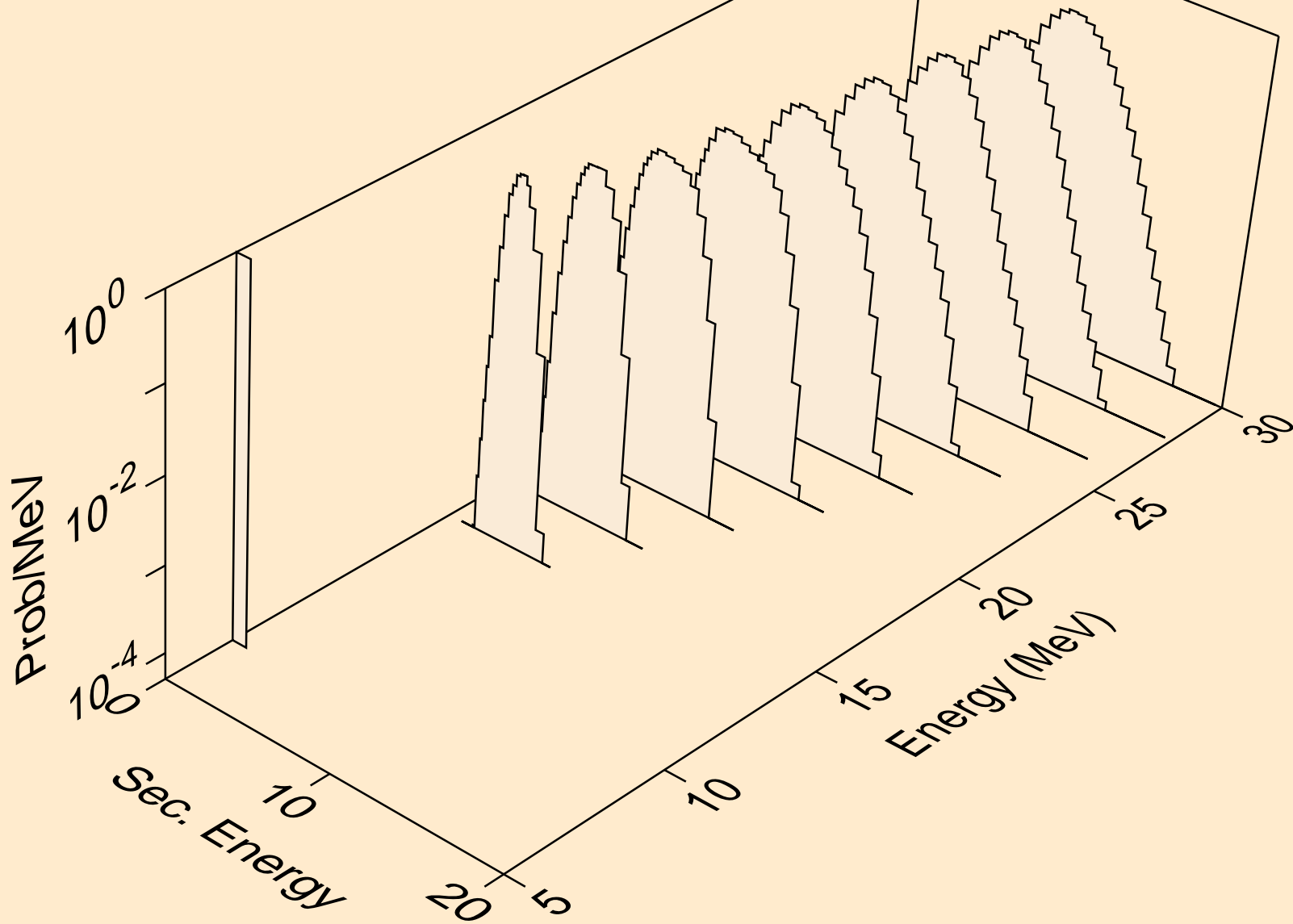
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protons from (n,npa)



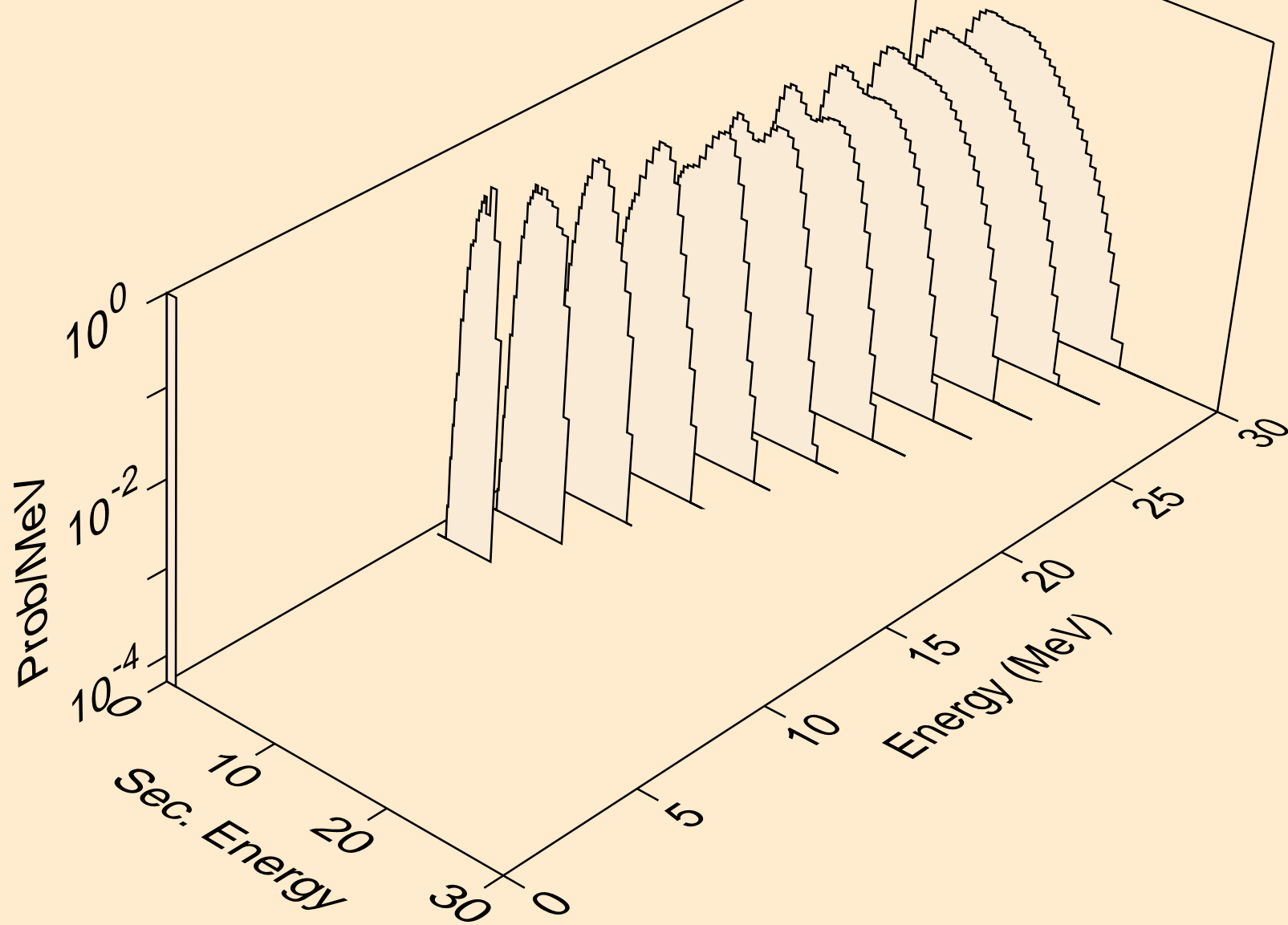
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protons from (n,p)



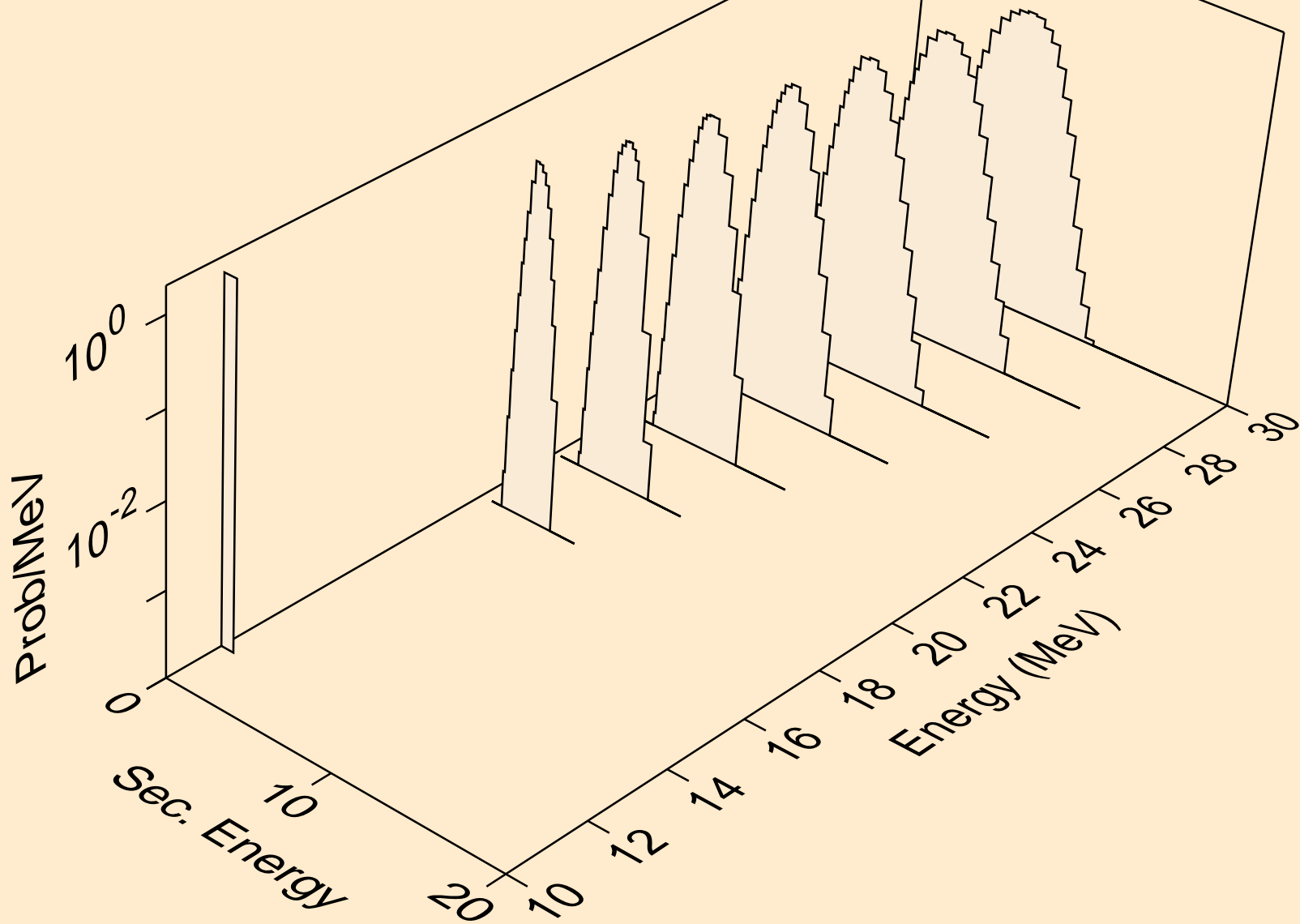
HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,2p)



HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,pa)

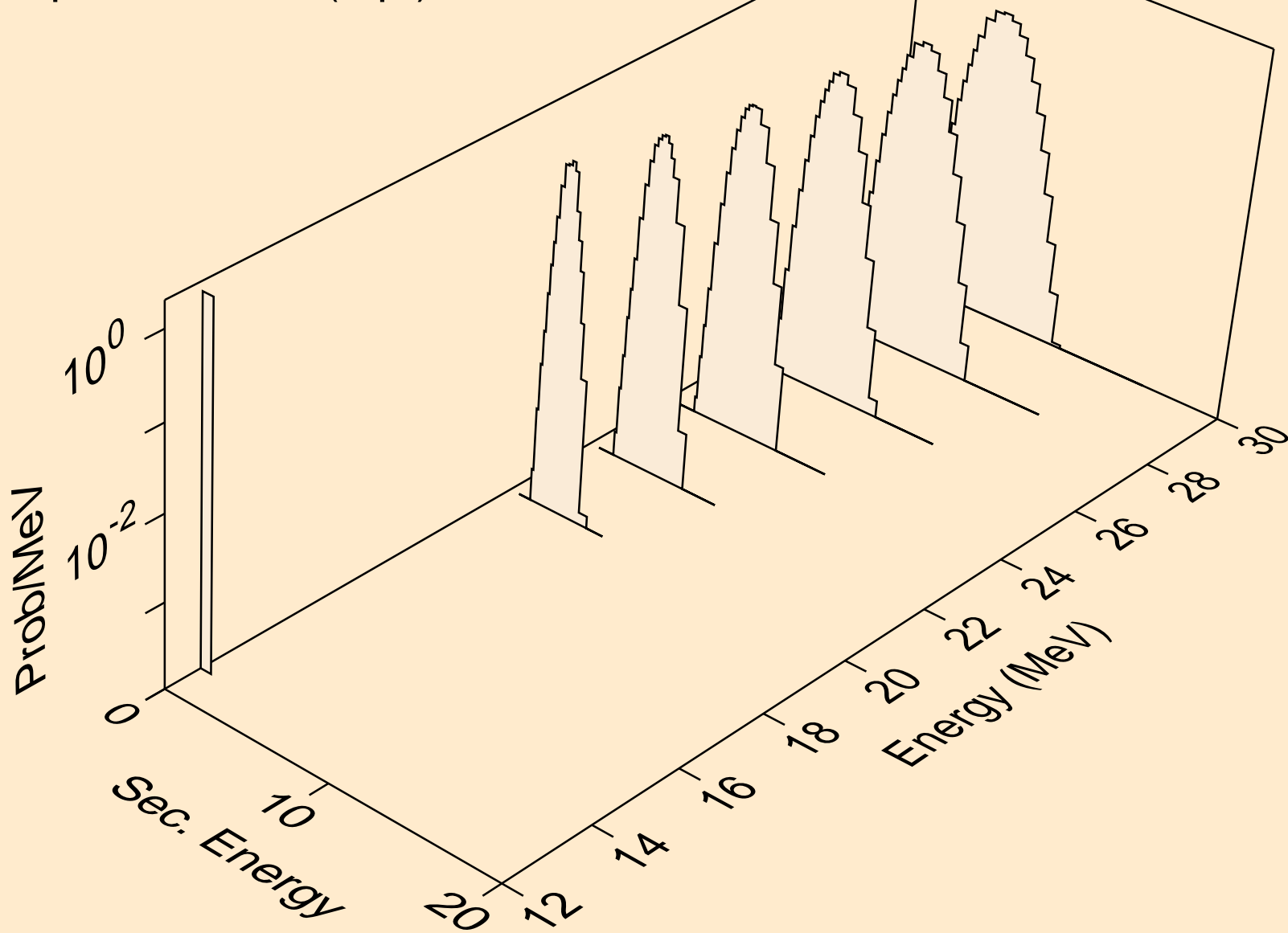


HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,pd)

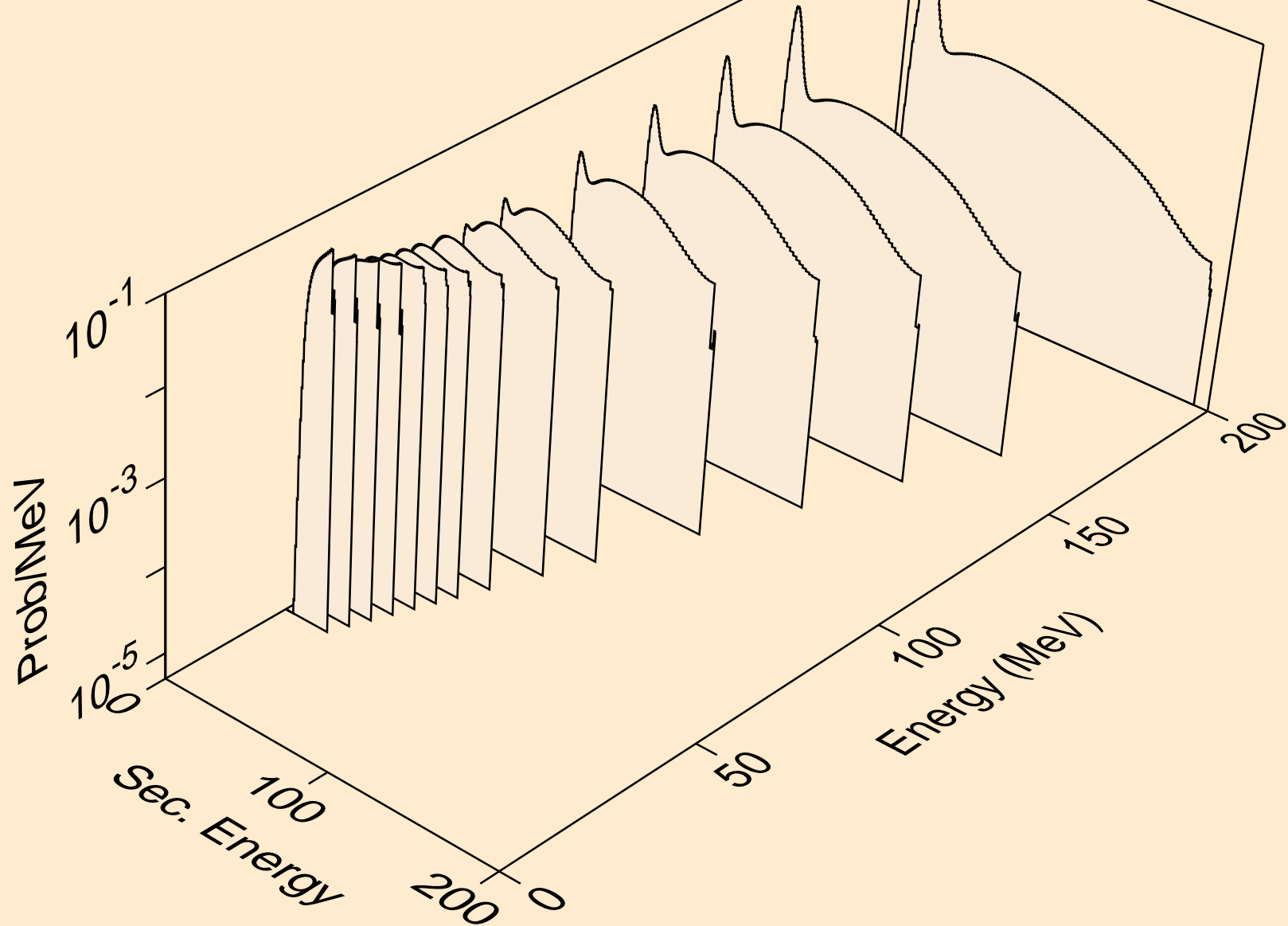




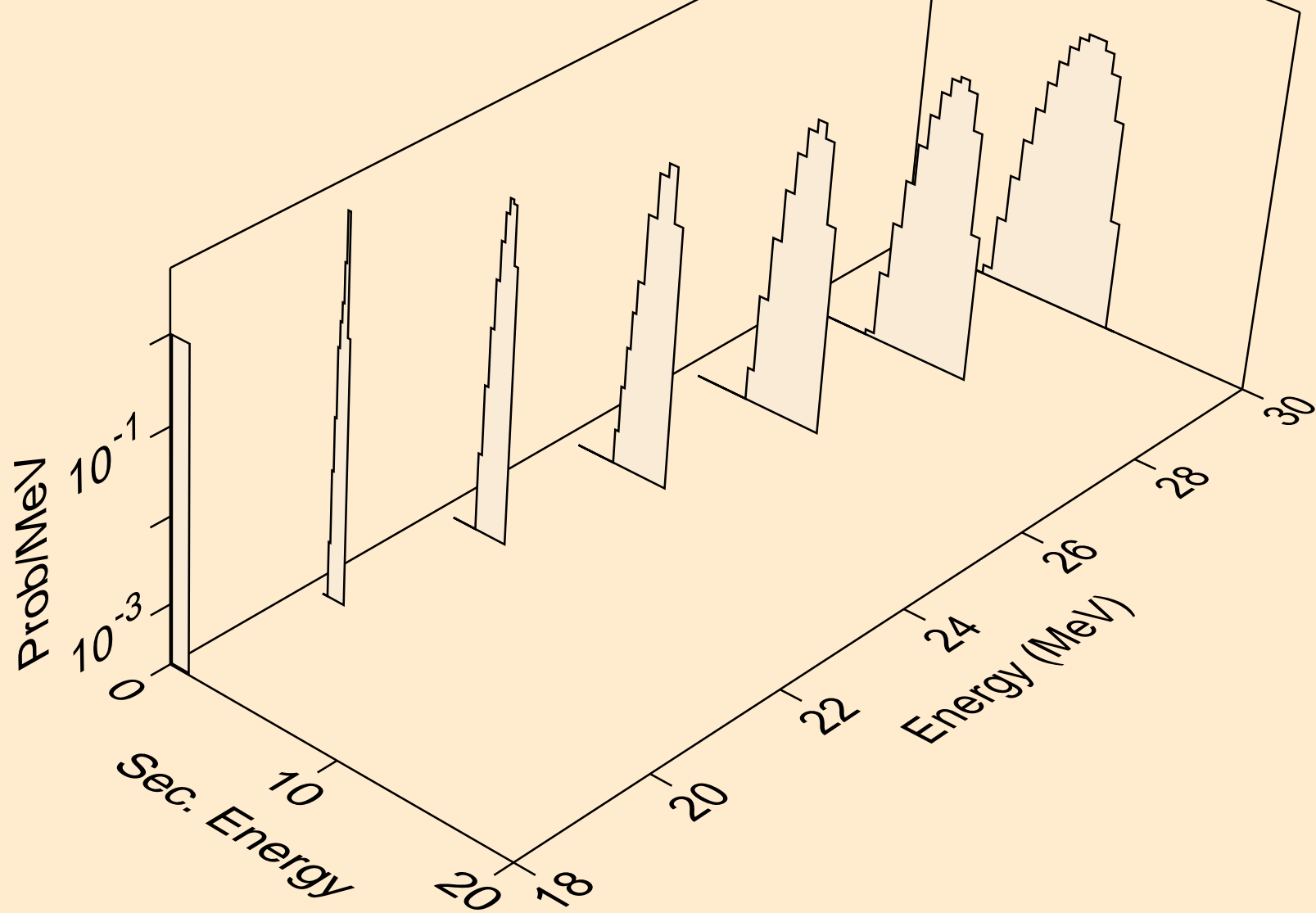
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protons from (n,pt)



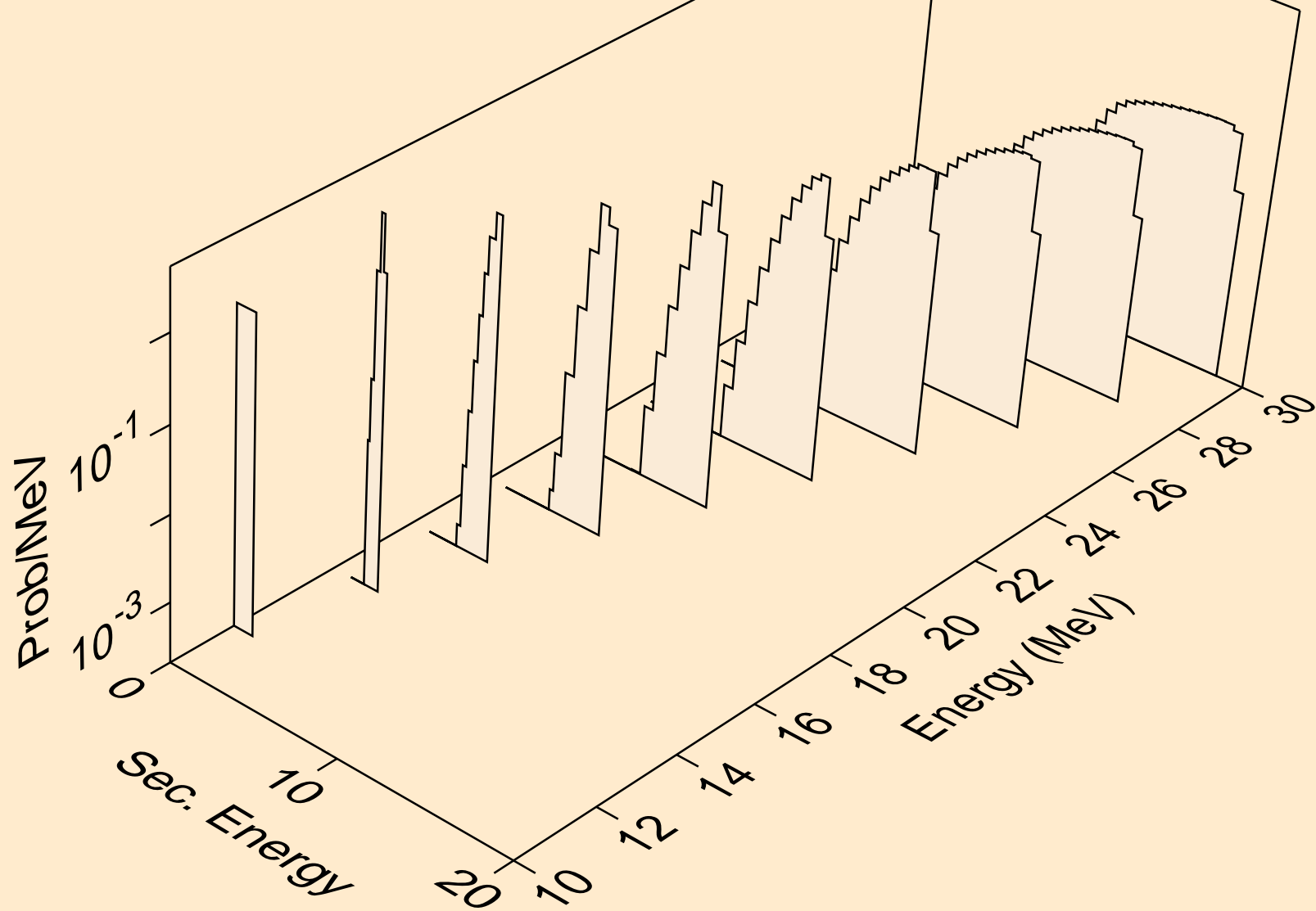
HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,x)



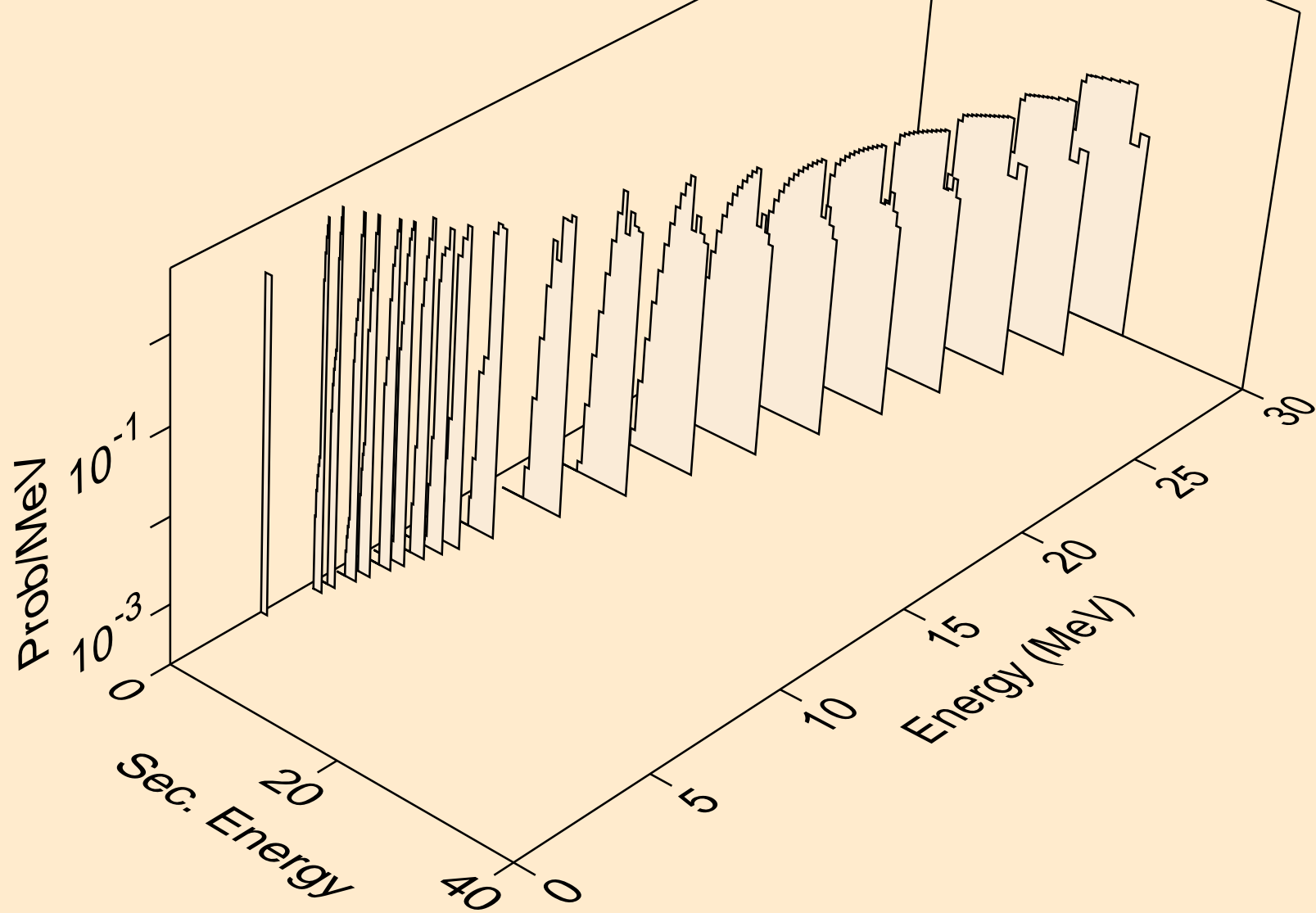
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deuterons from (n,2nd)



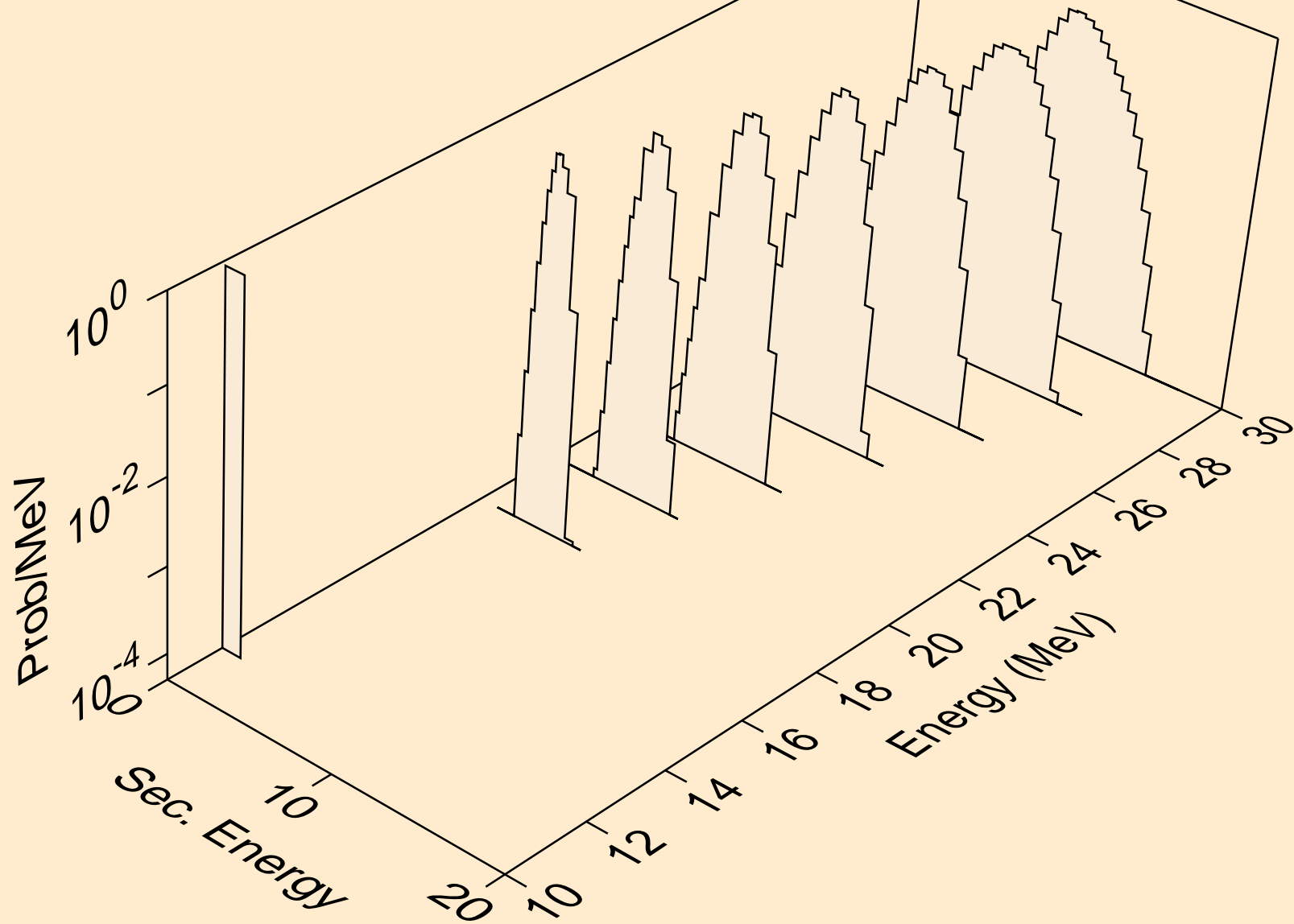
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deuterons from (n,n\*)d



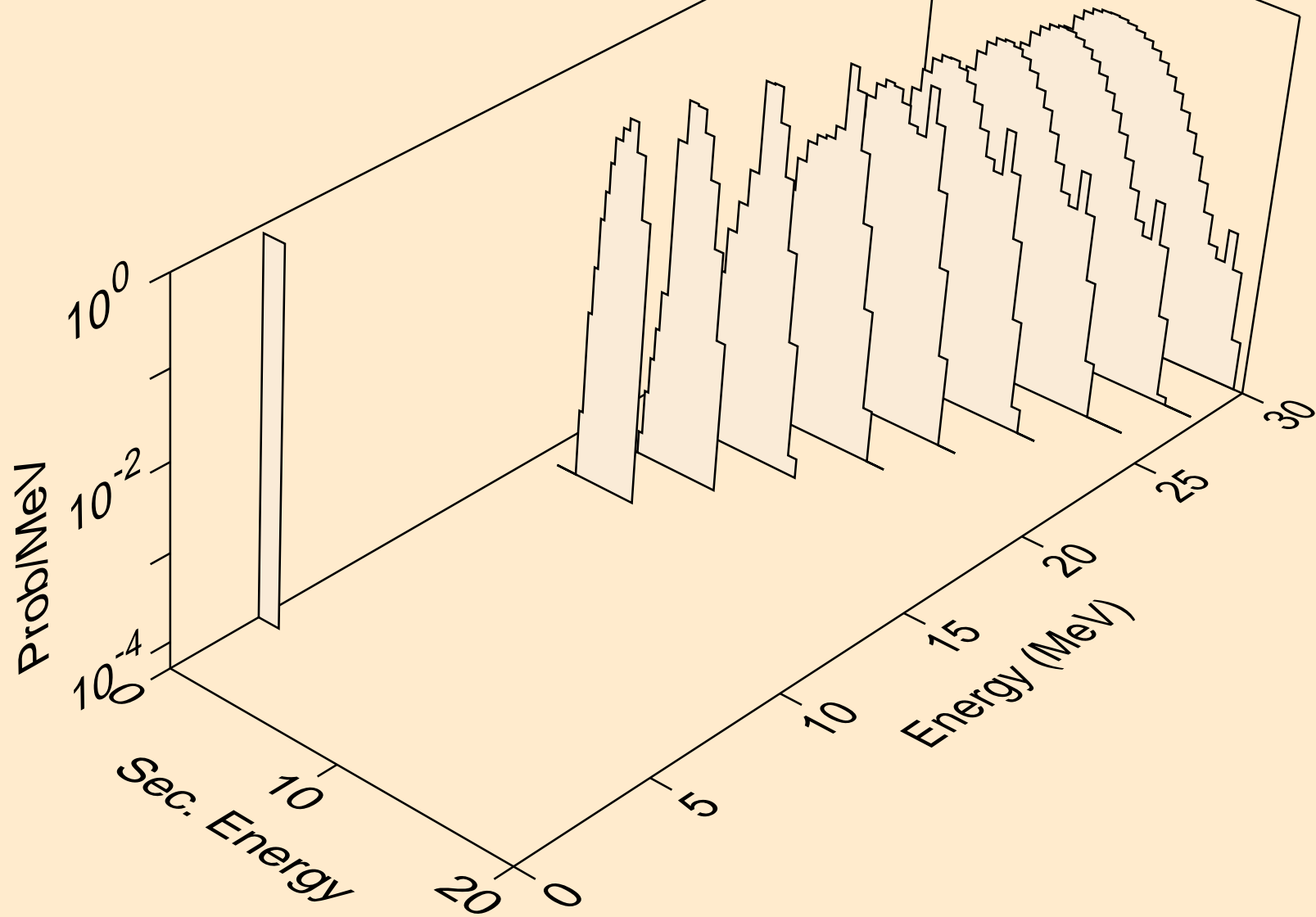
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deuterons from (n,d)



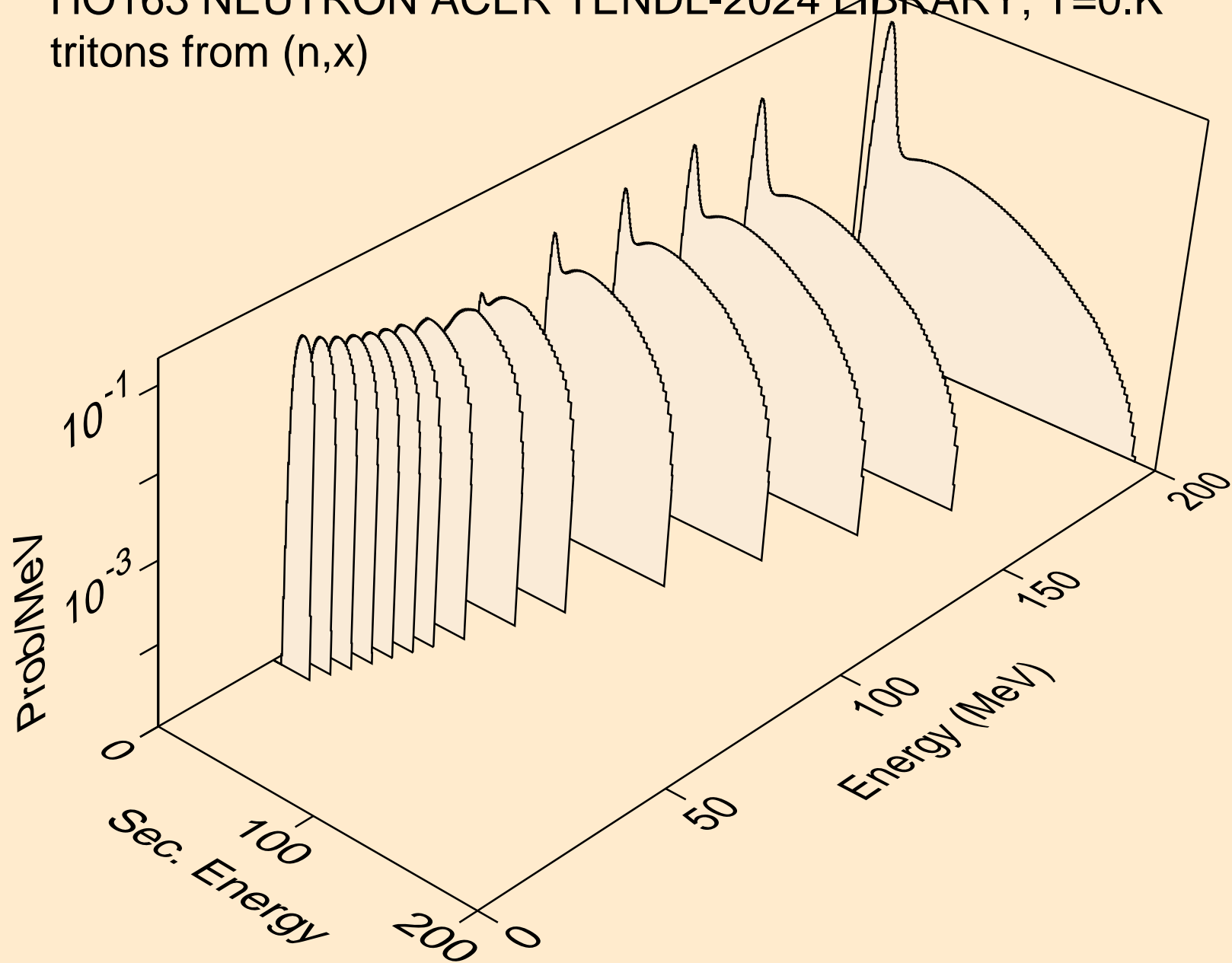
HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,pd)



HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,da)

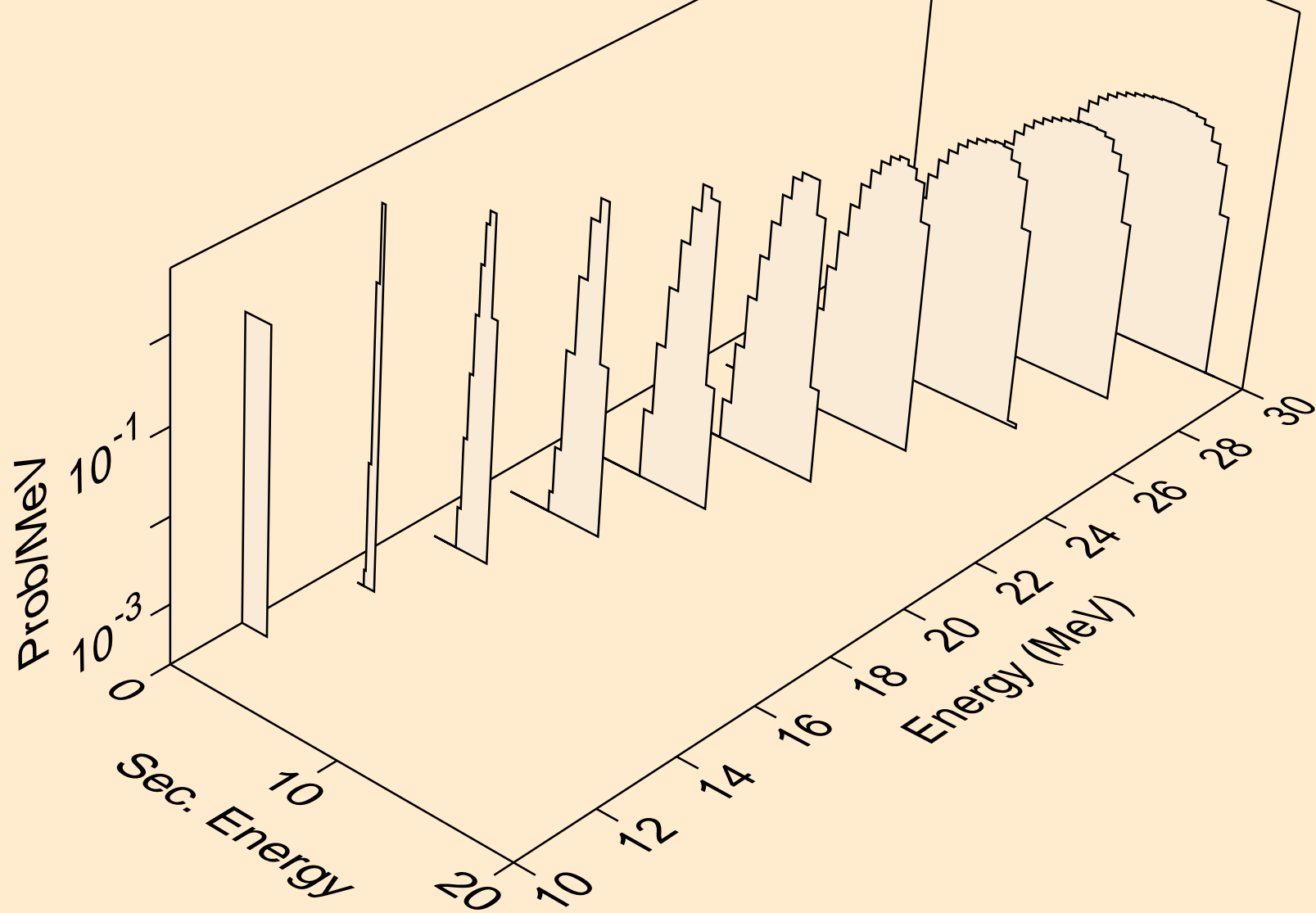


HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,x)

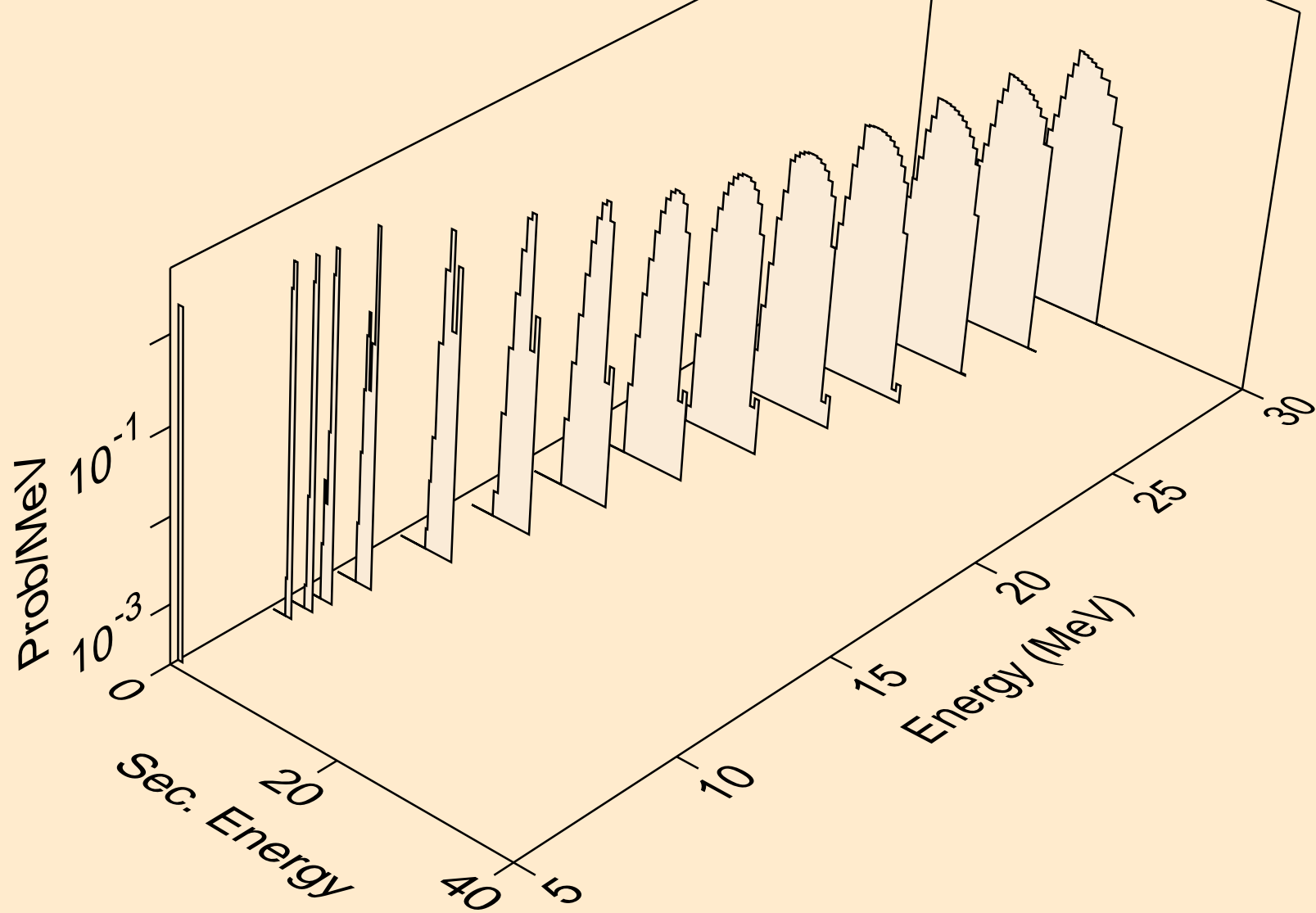




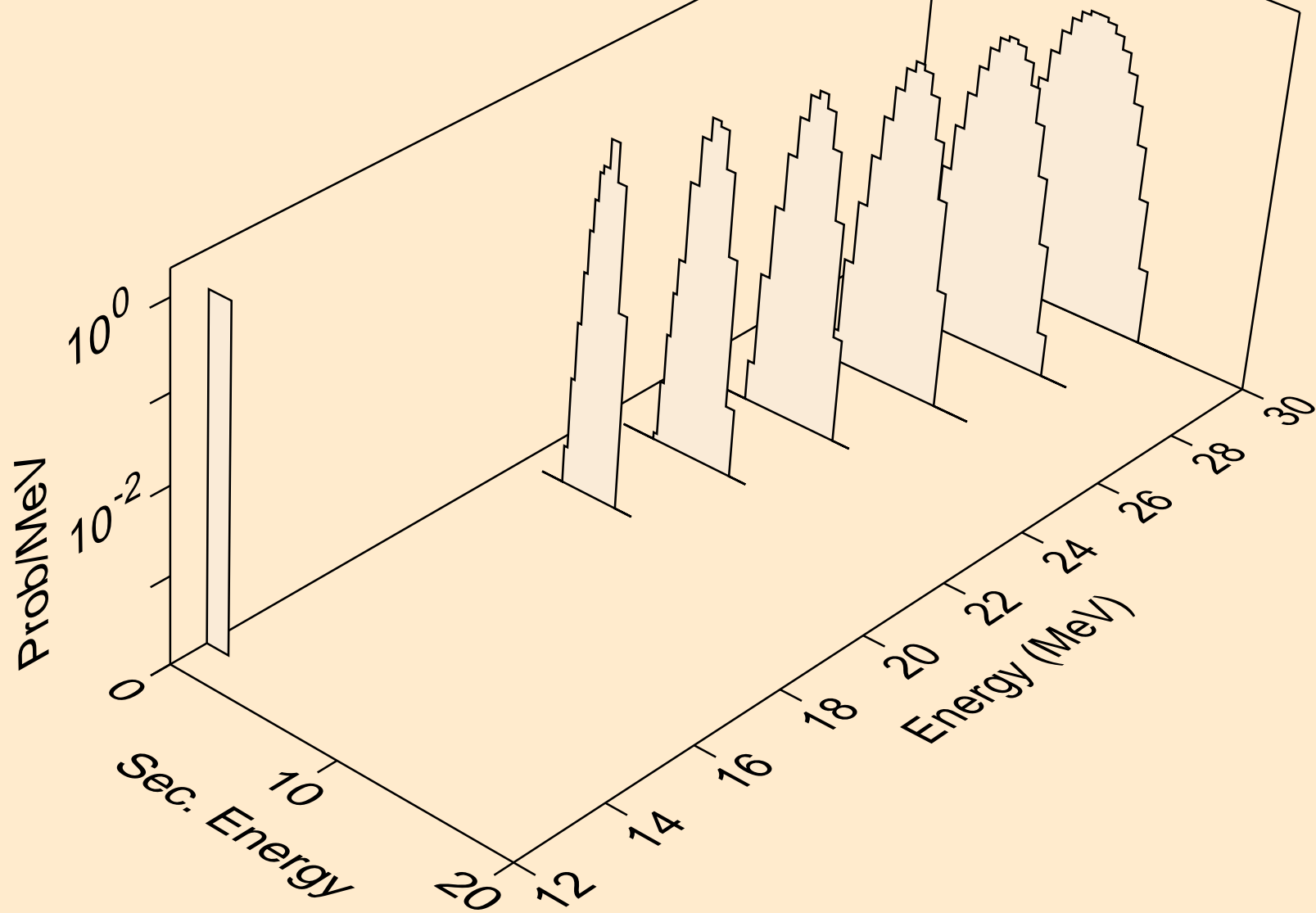
HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,n\*)t



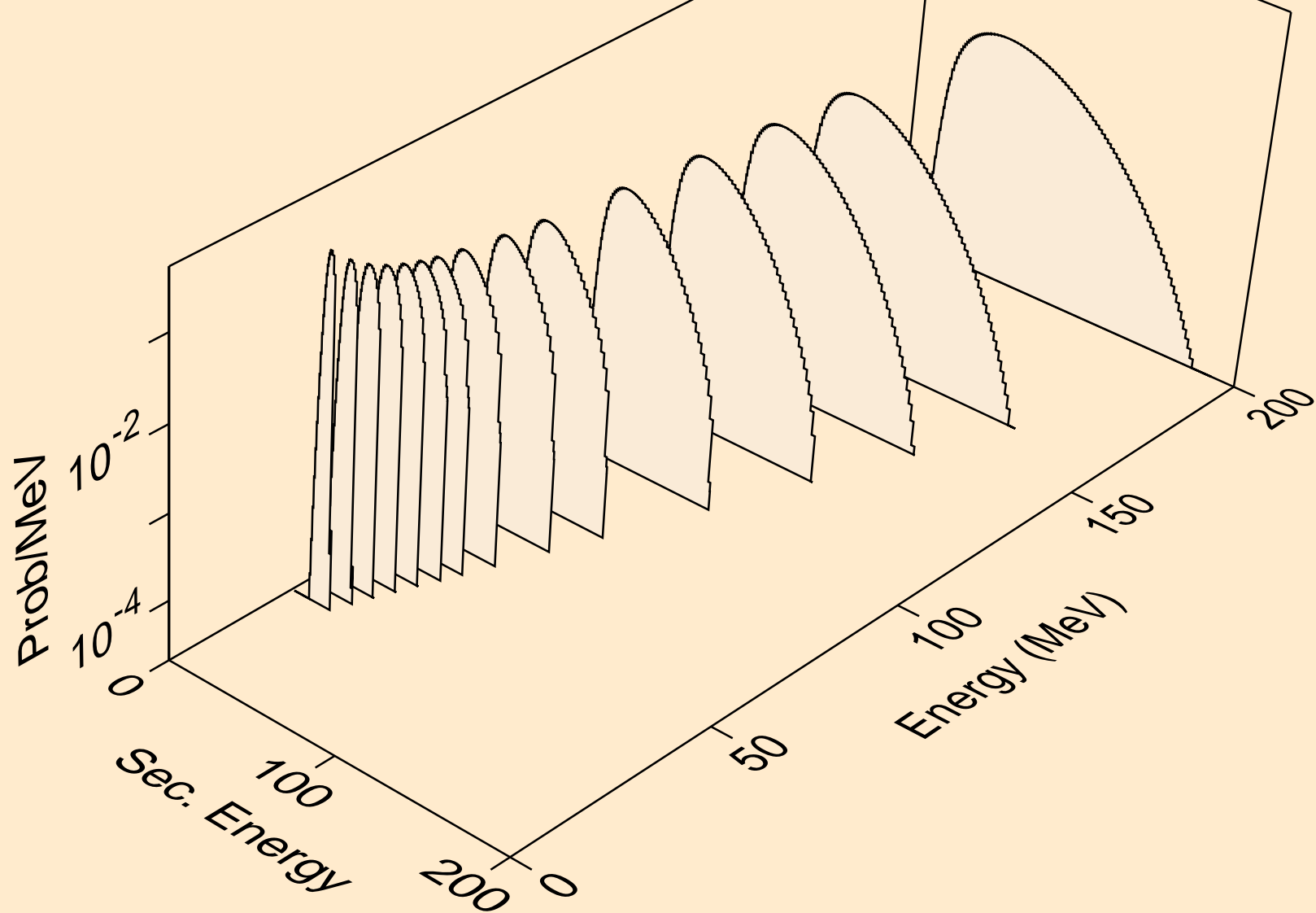
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tritons from (n,t)



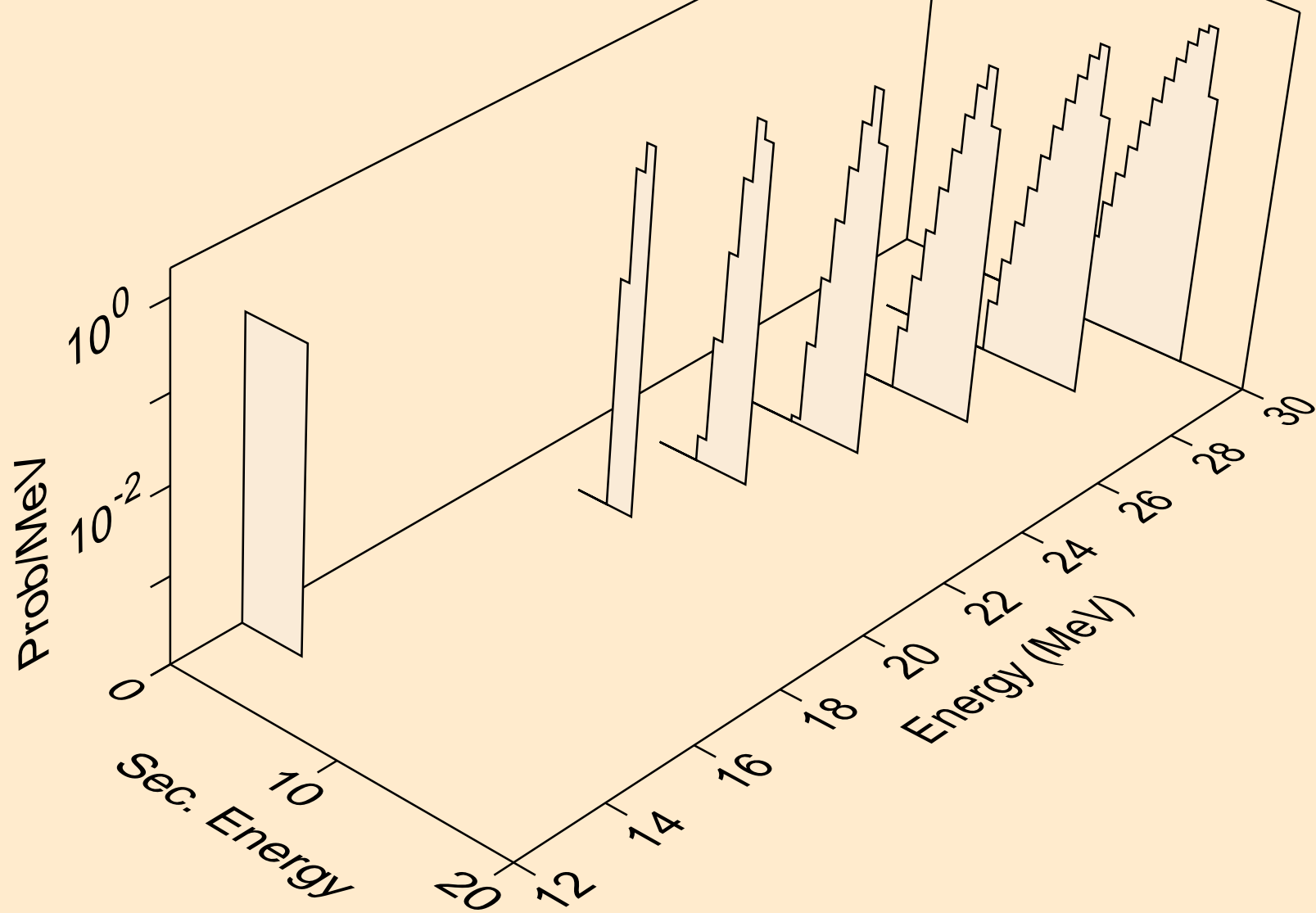
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tritons from (n,pt)



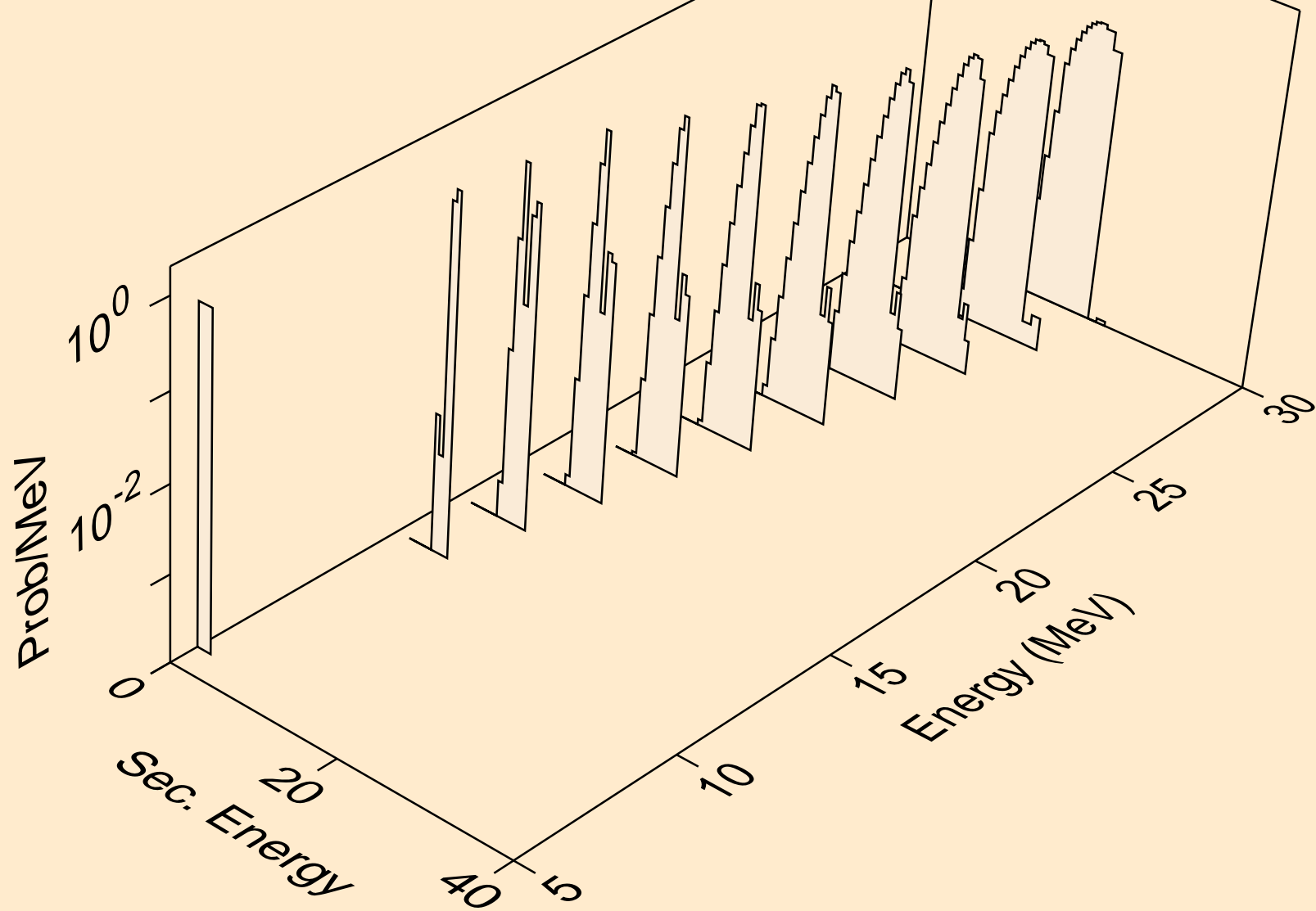
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he3s from (n,x)



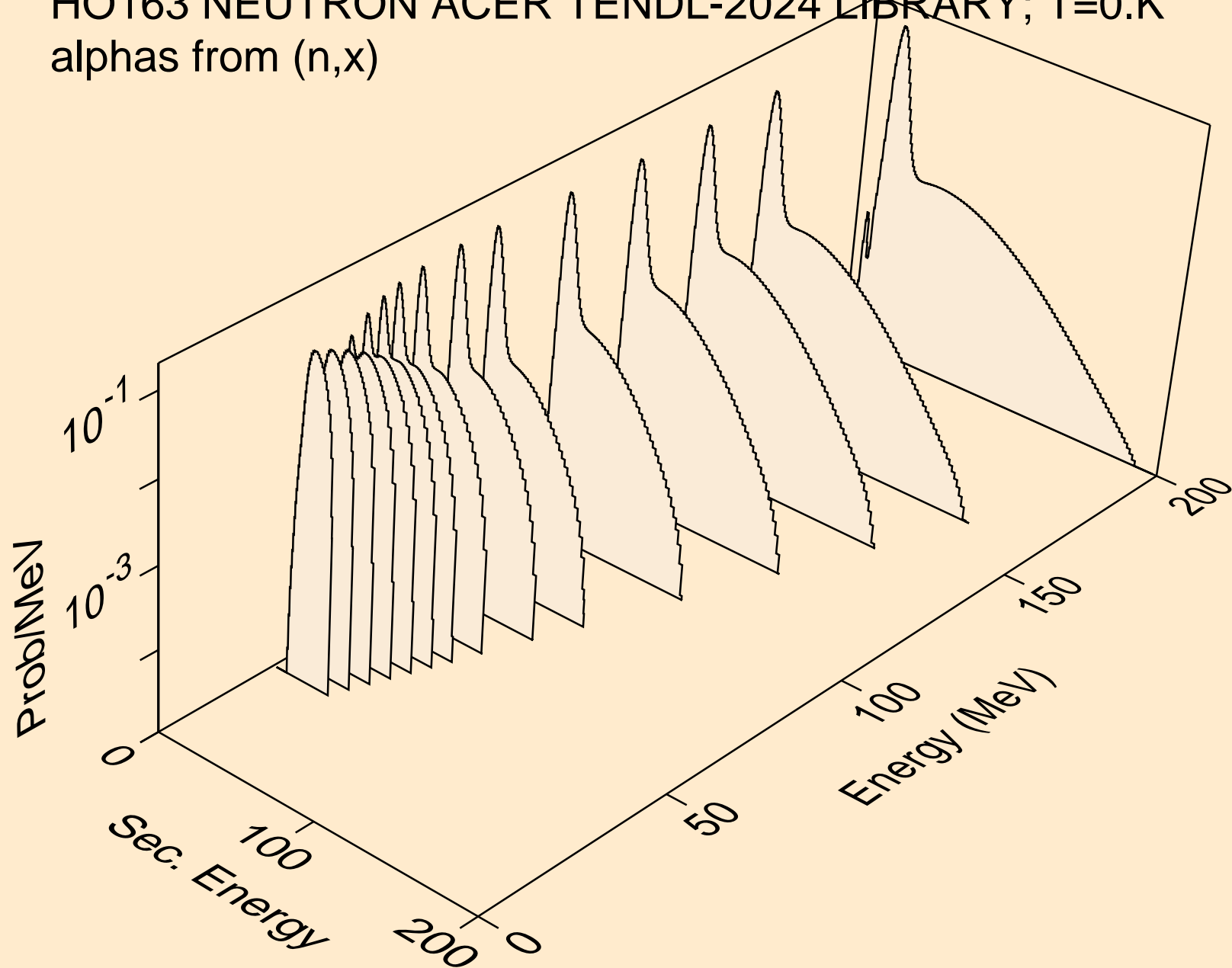
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he3s from (n,n\*)he3



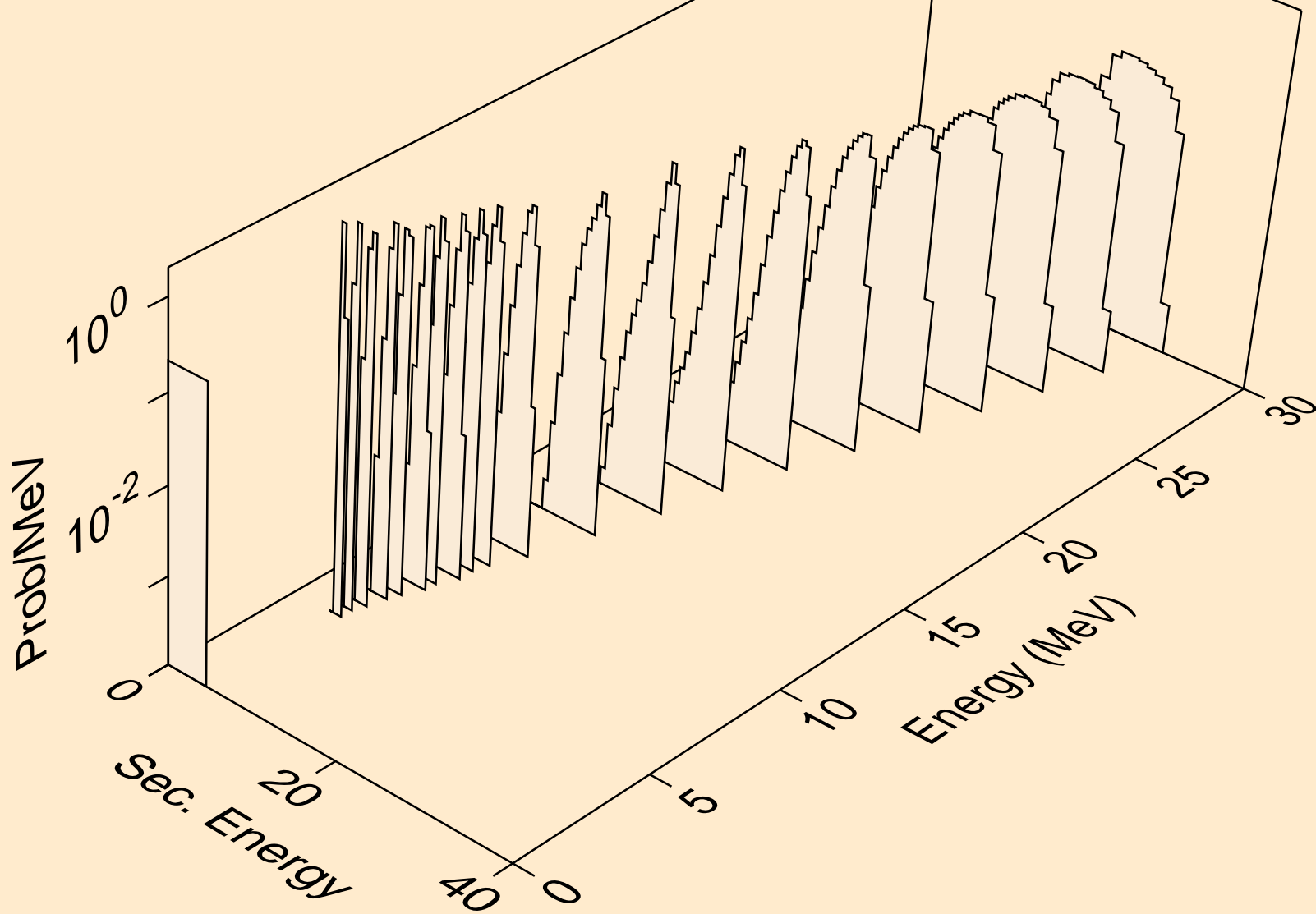
HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,he3)



HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,x)

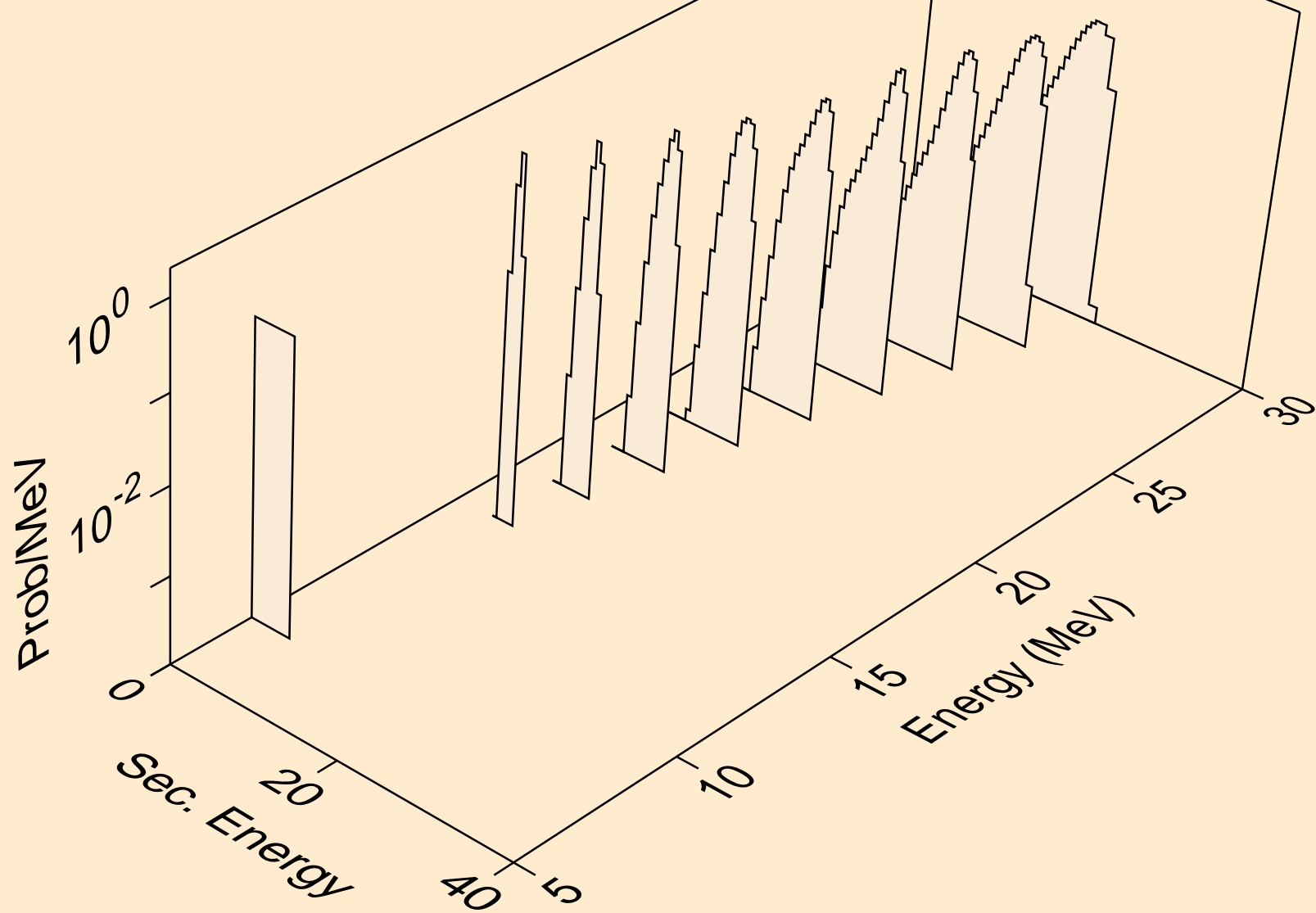


HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)a

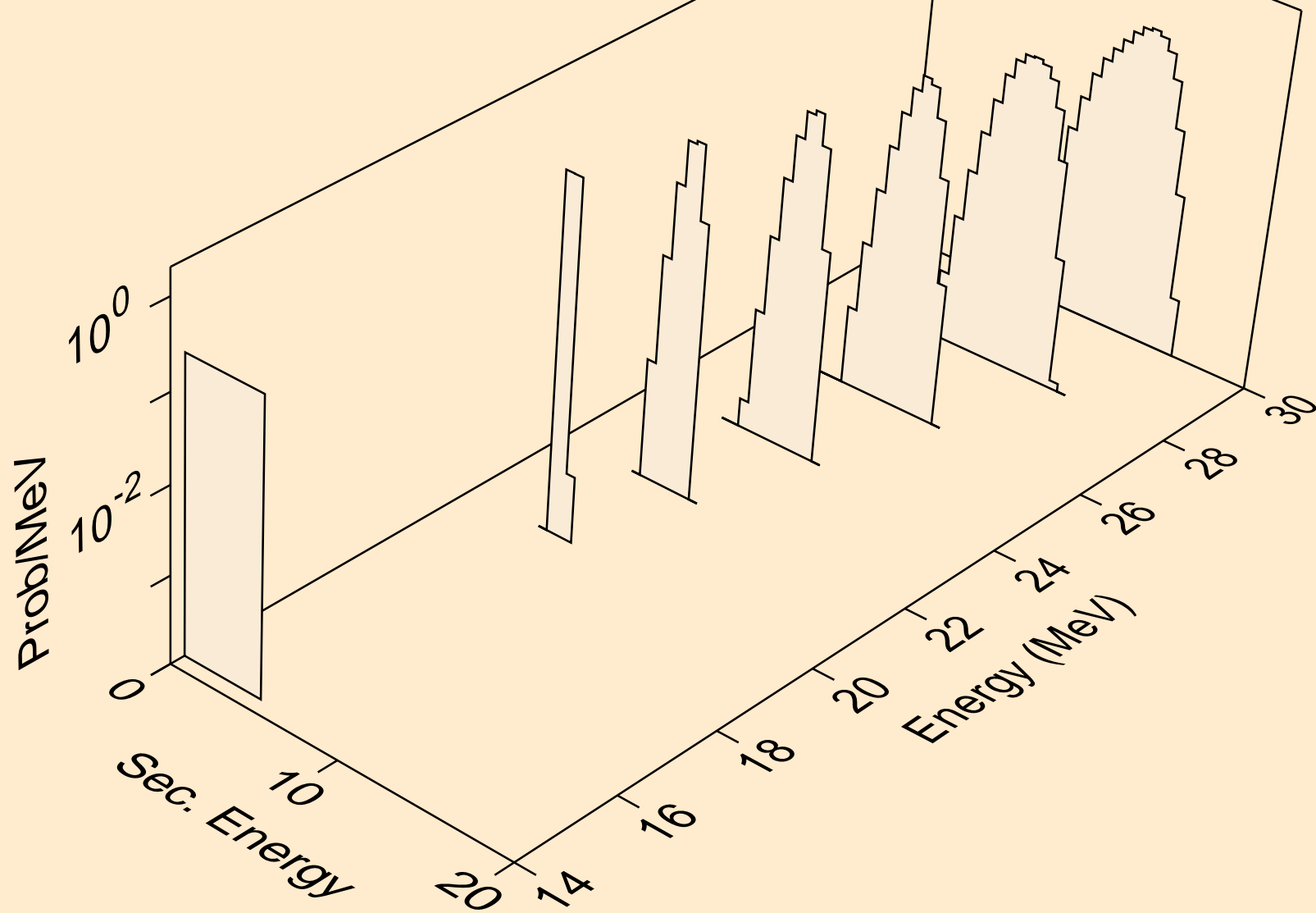




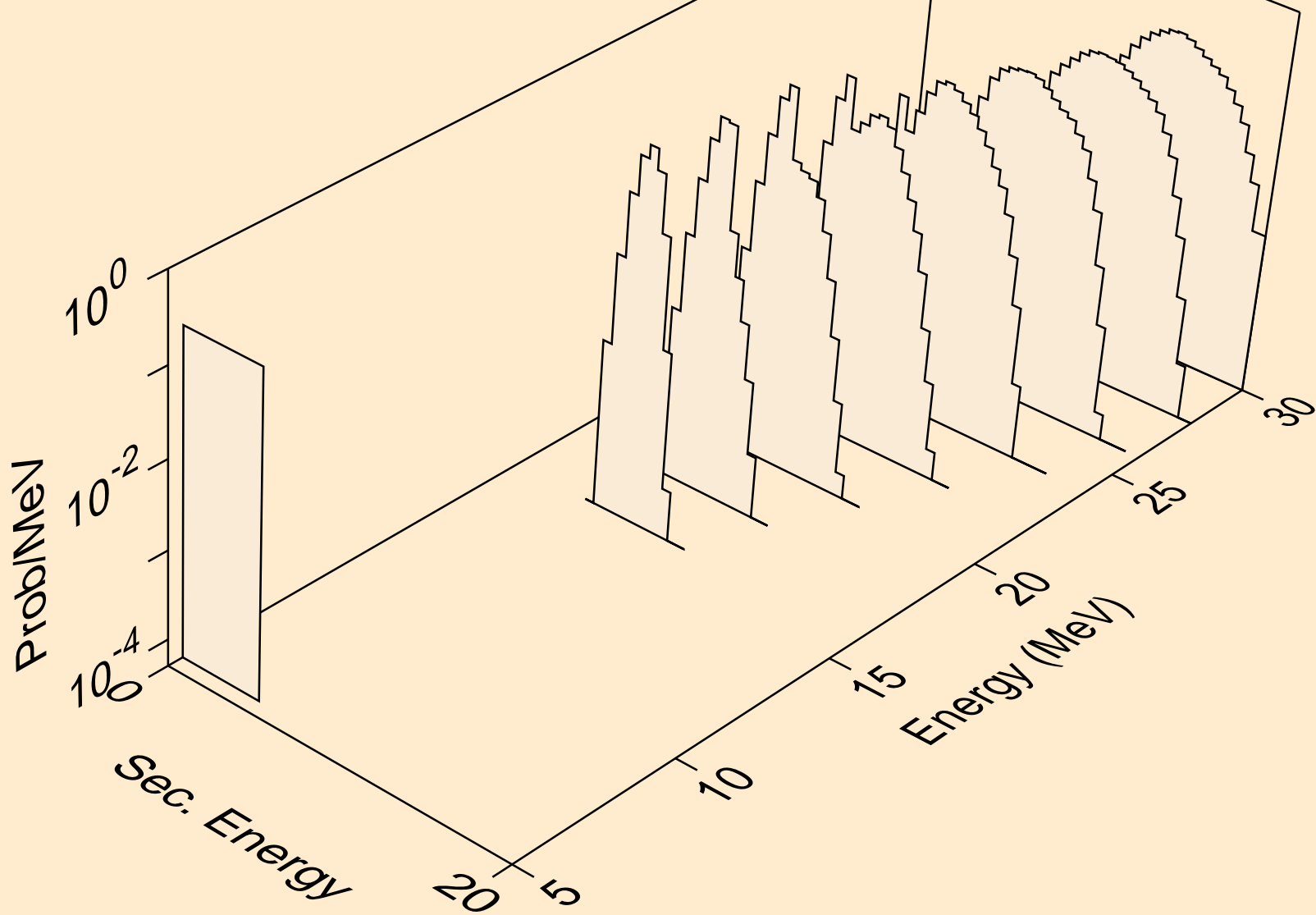
HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2n)a



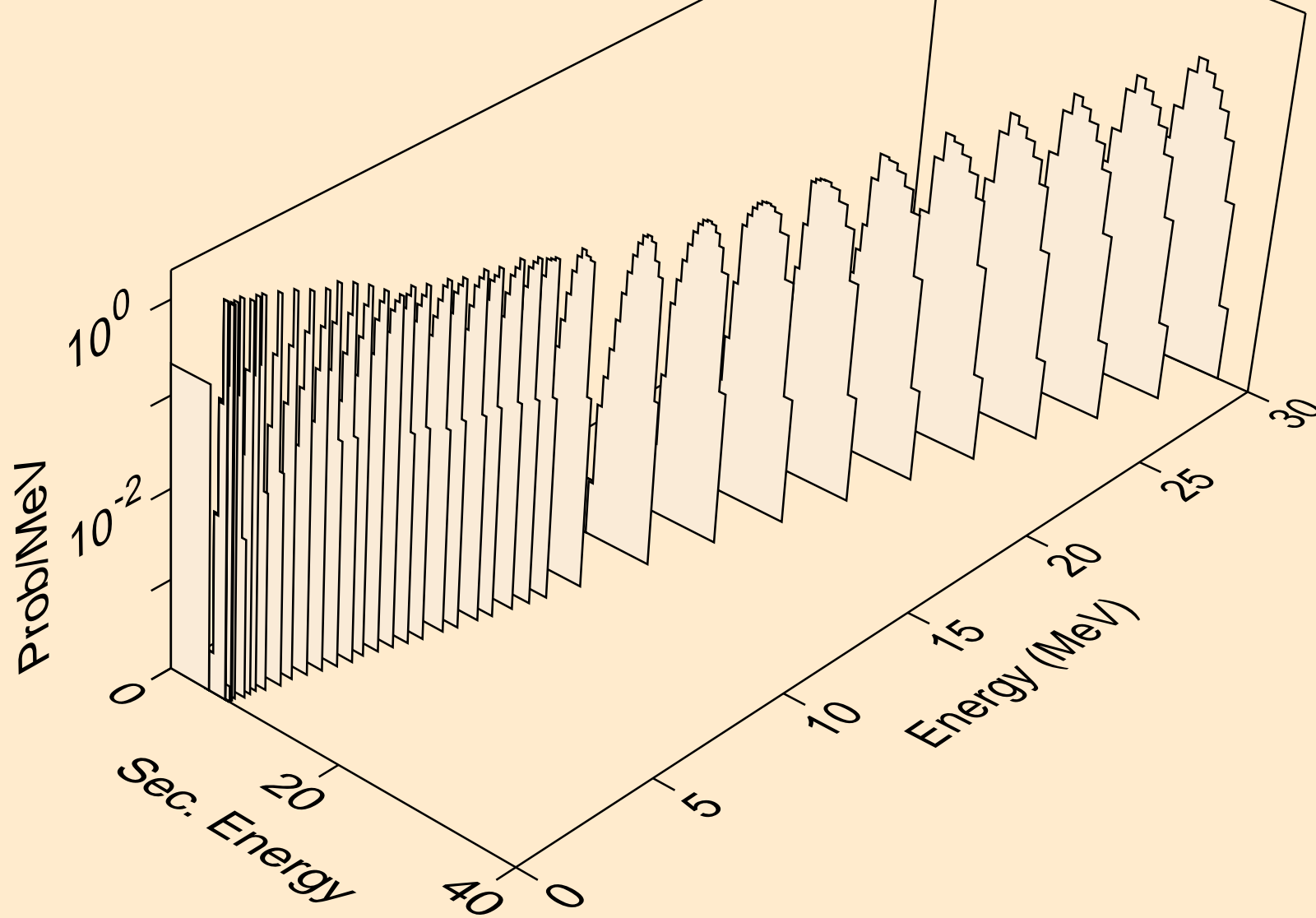
HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,3n)a



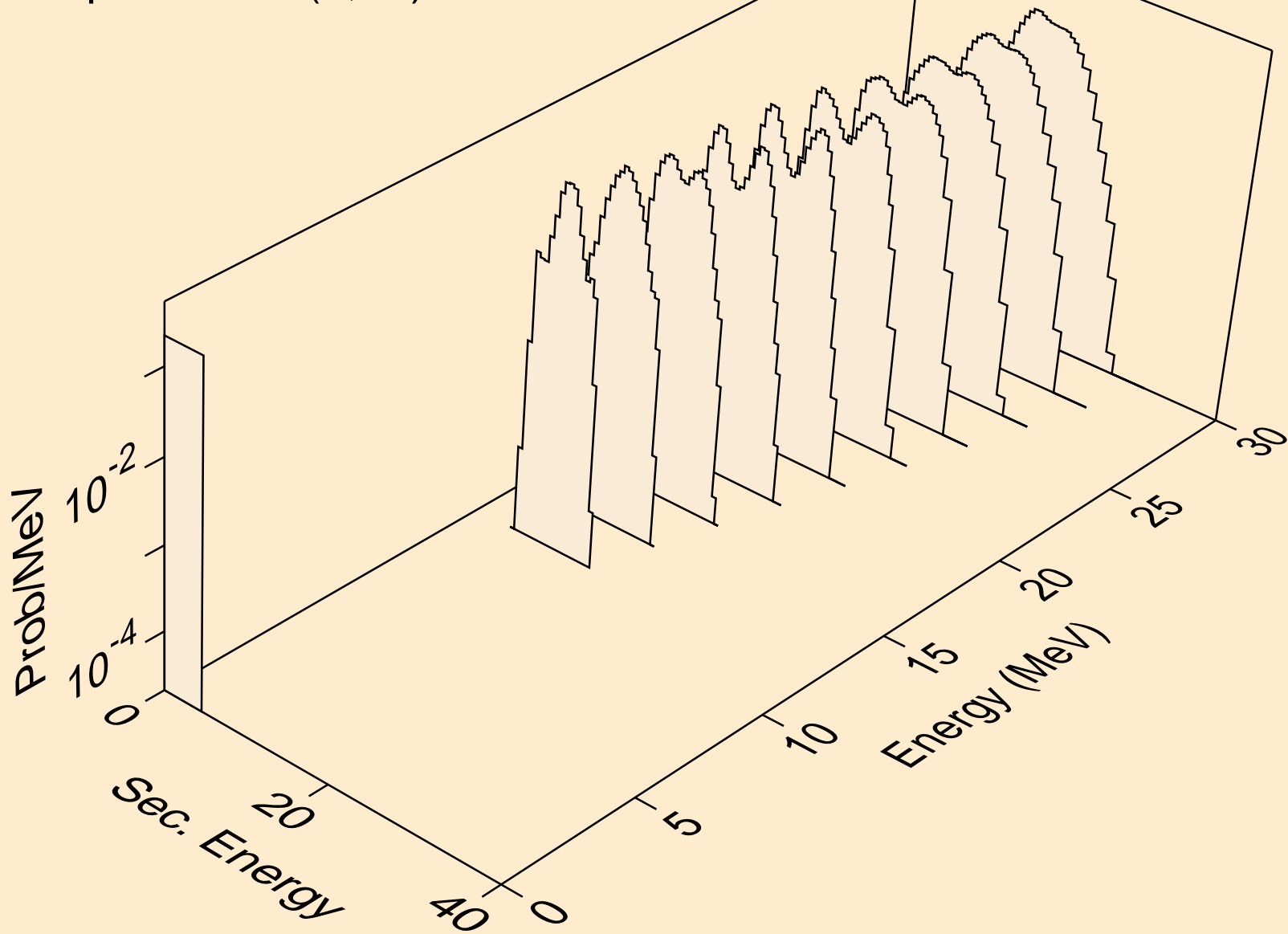
HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,npa)



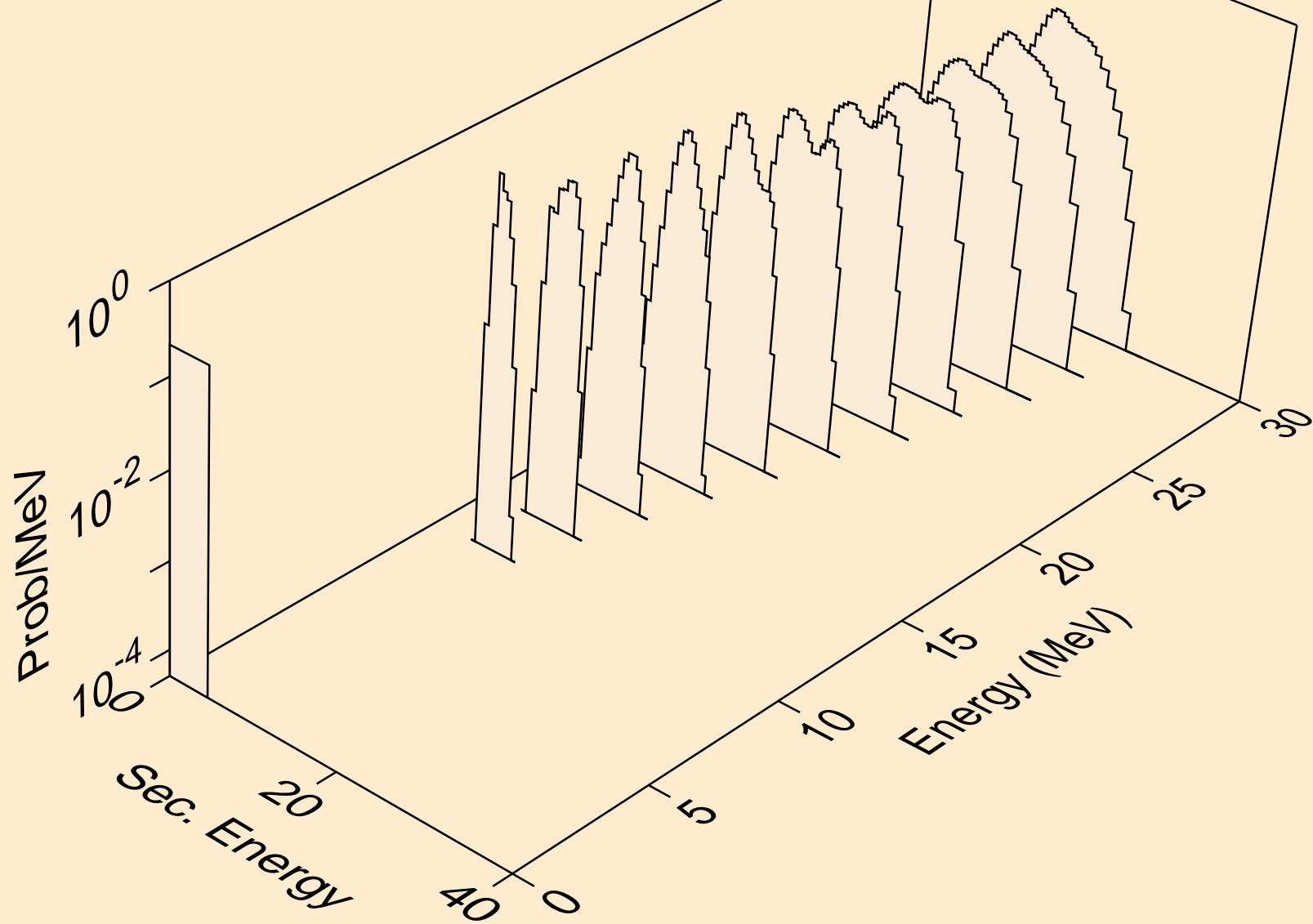
HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,a)



HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2a)



HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,pa)



HO163 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,da)

