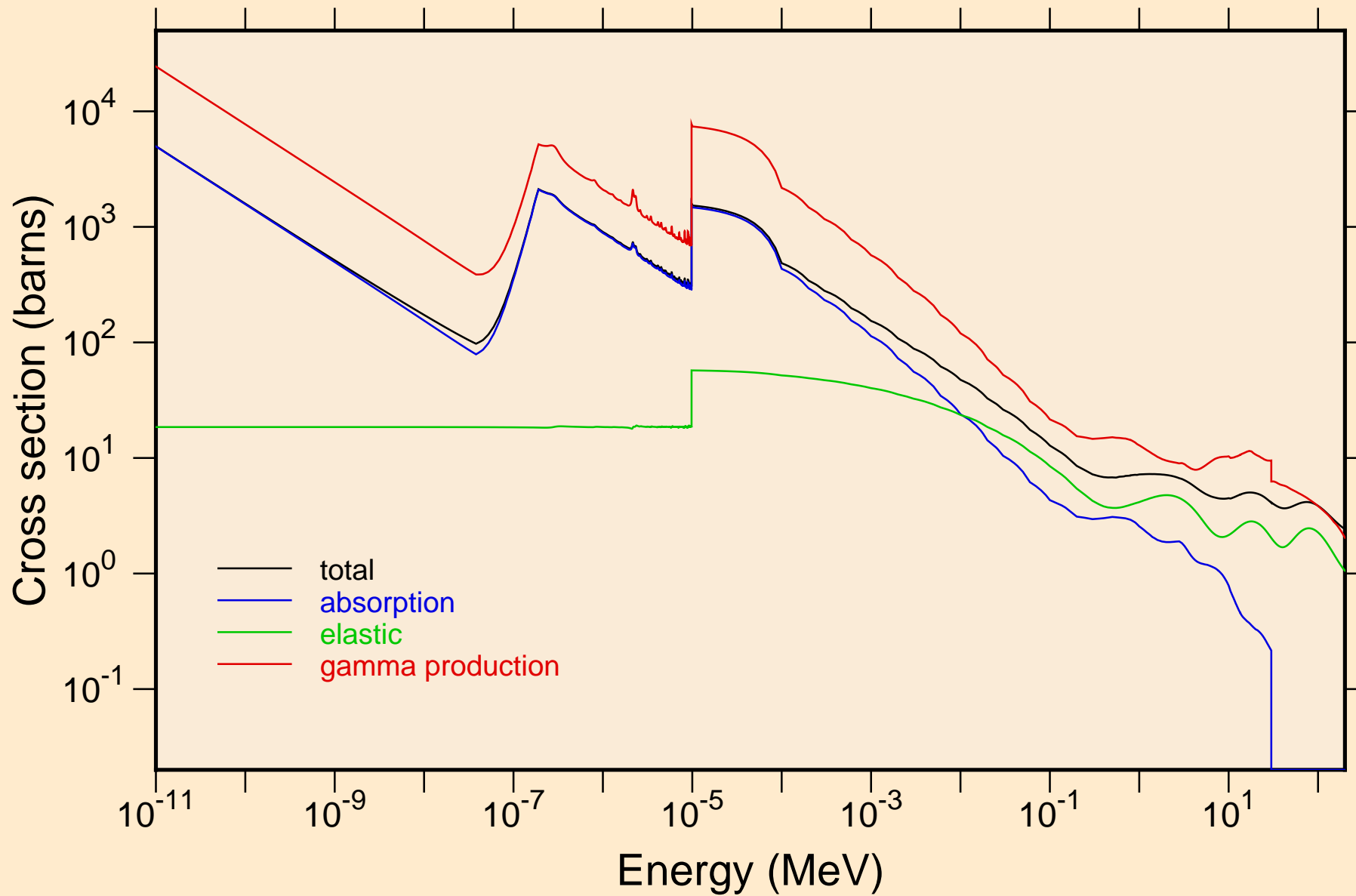
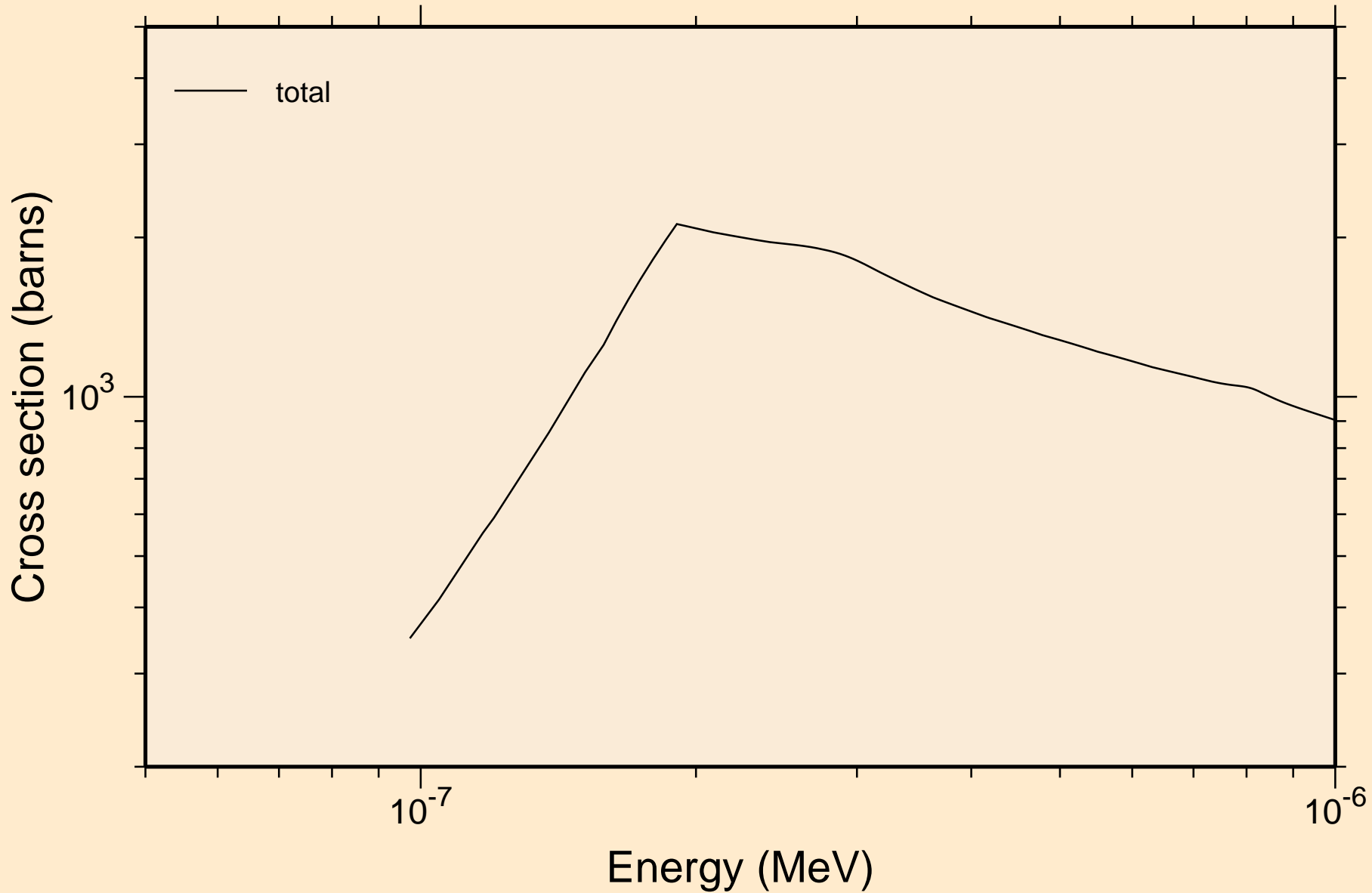


# TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

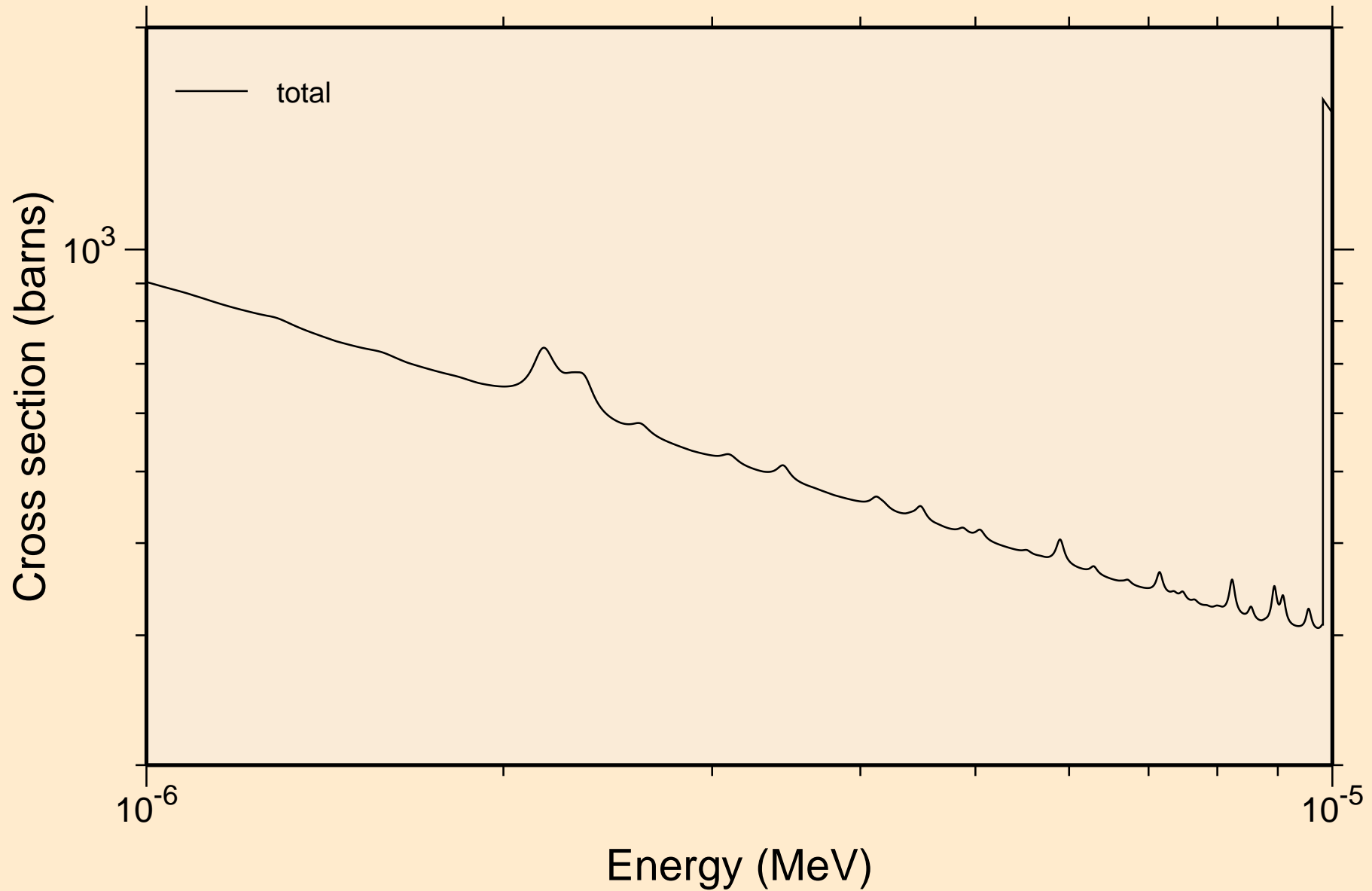
## Principal cross sections



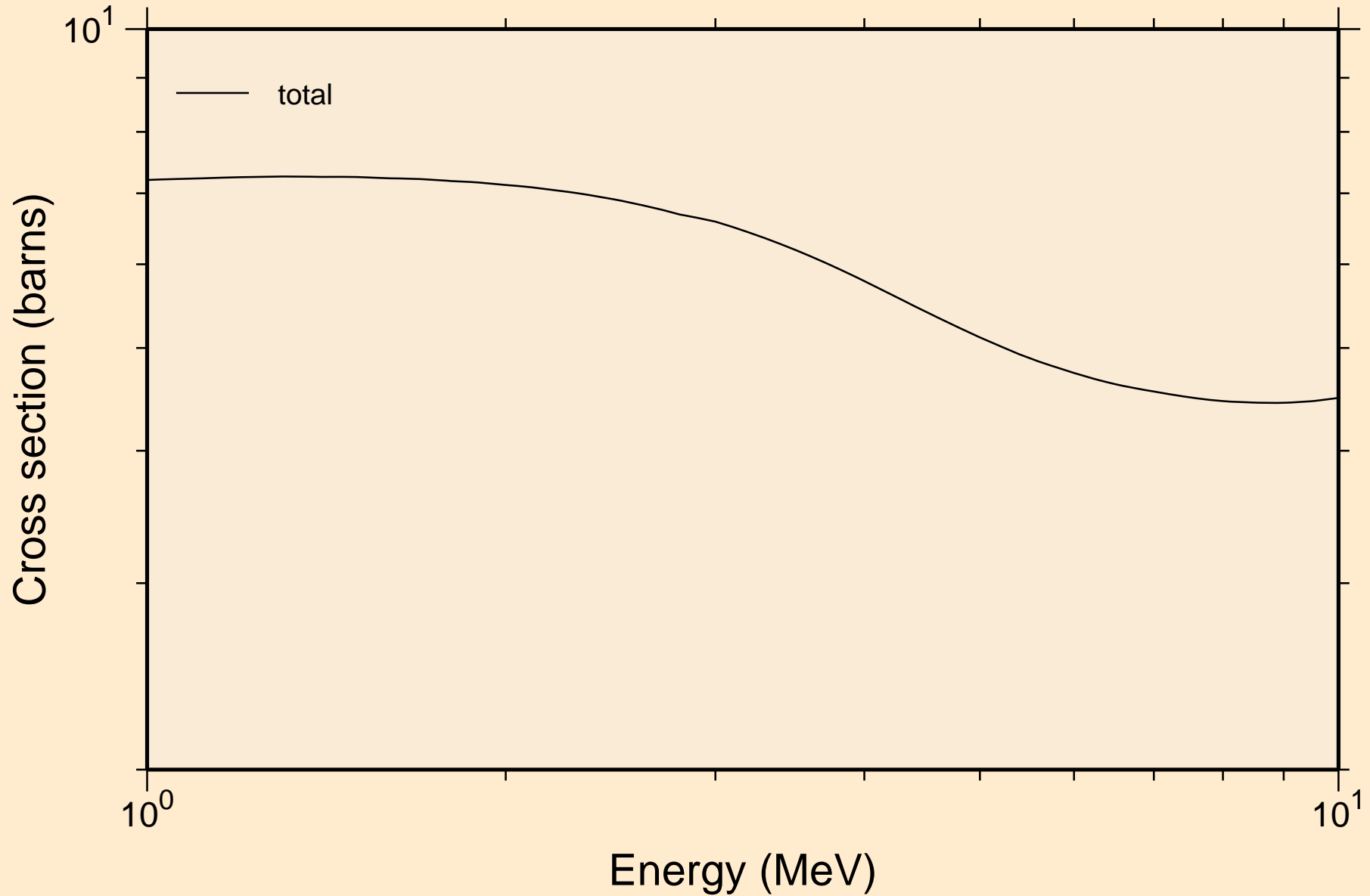
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



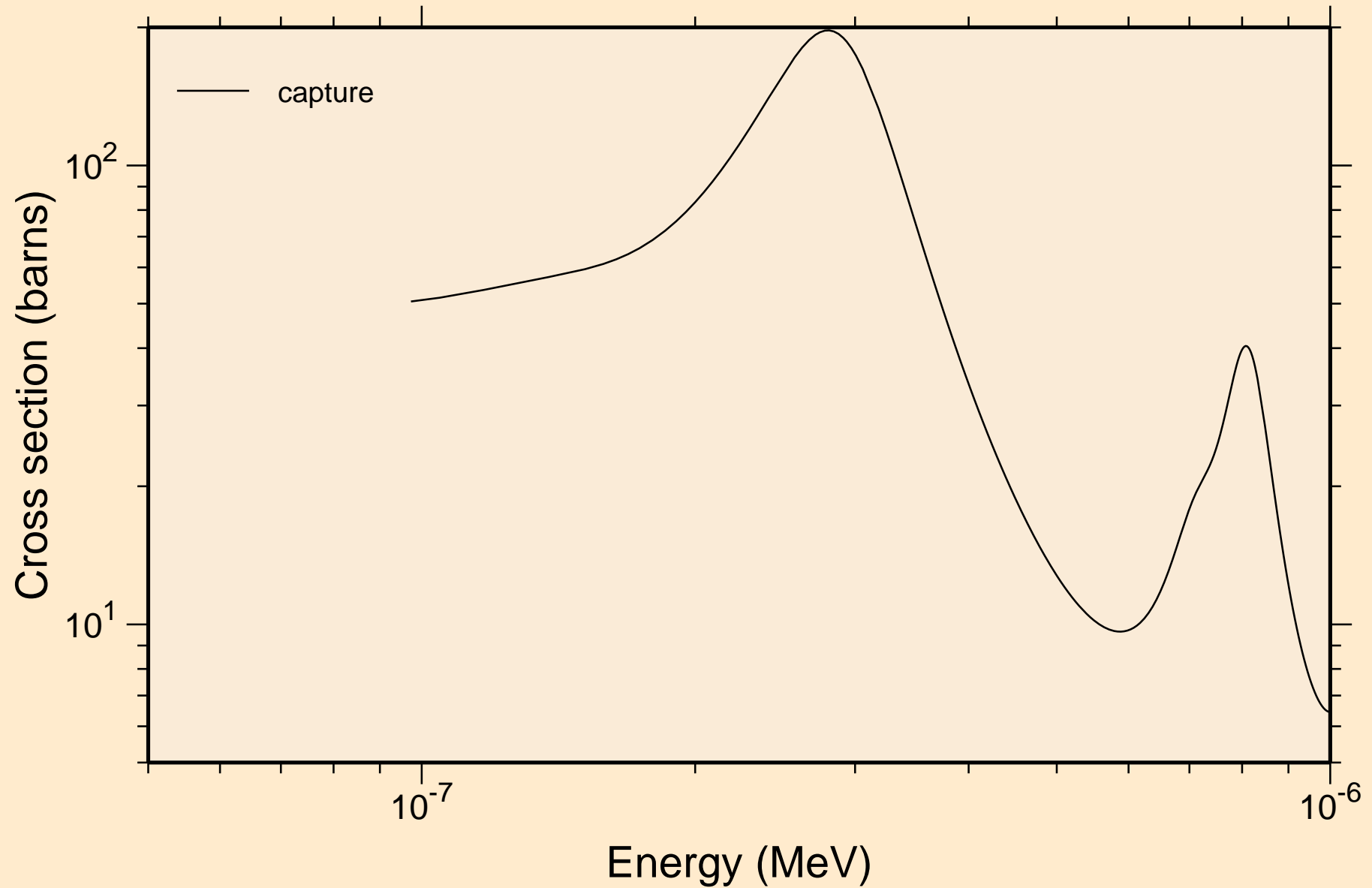
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



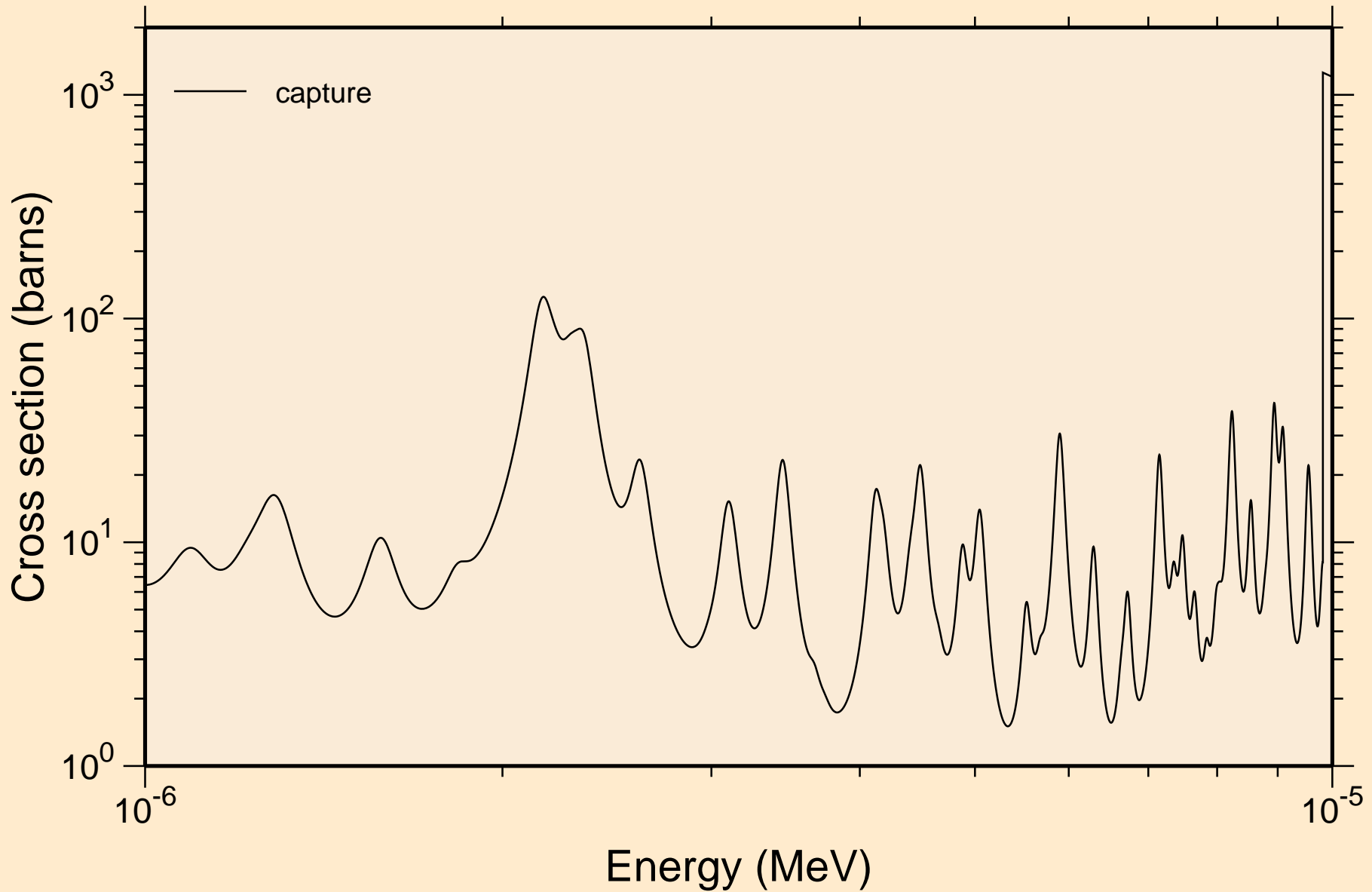
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



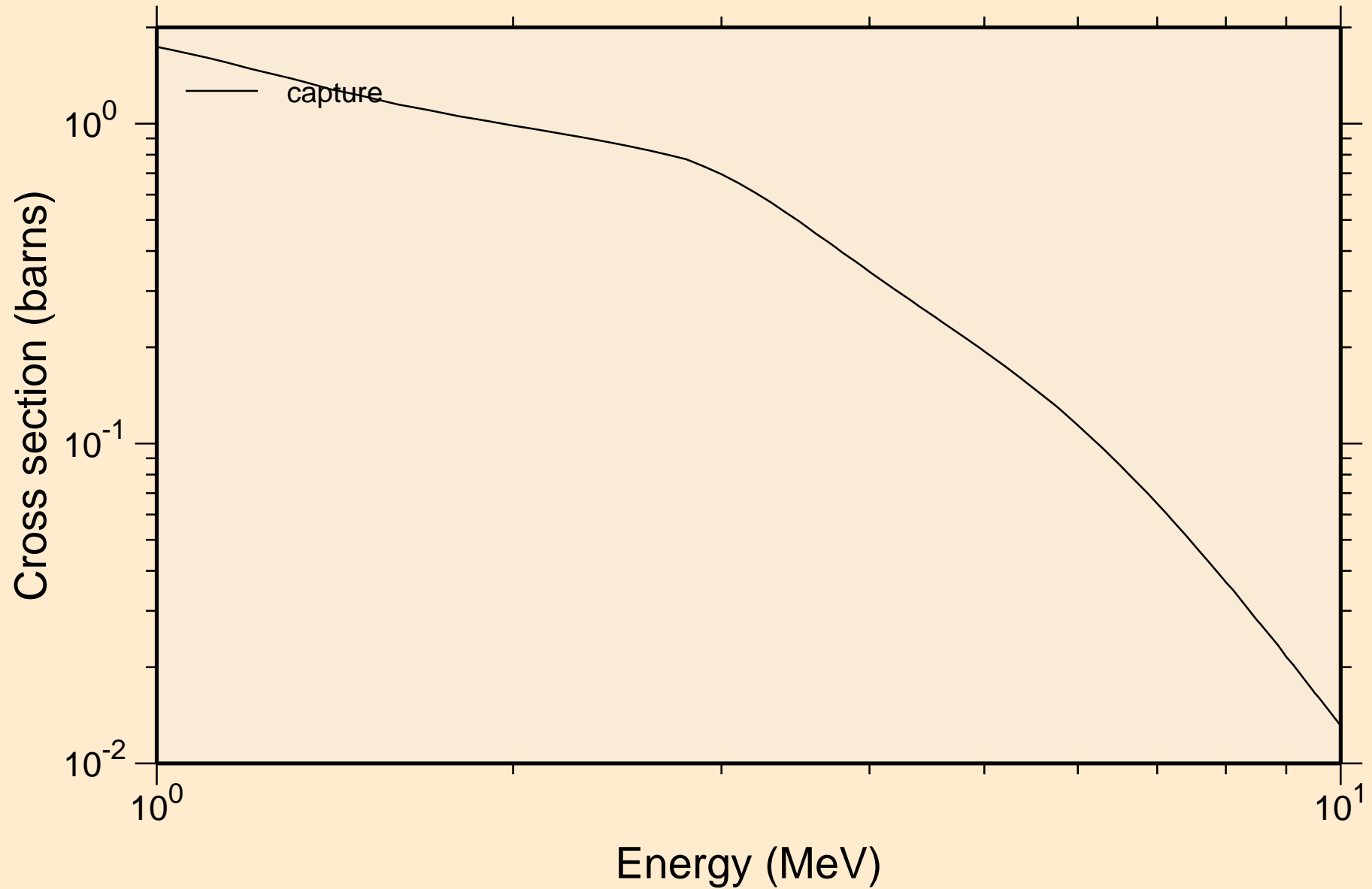
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

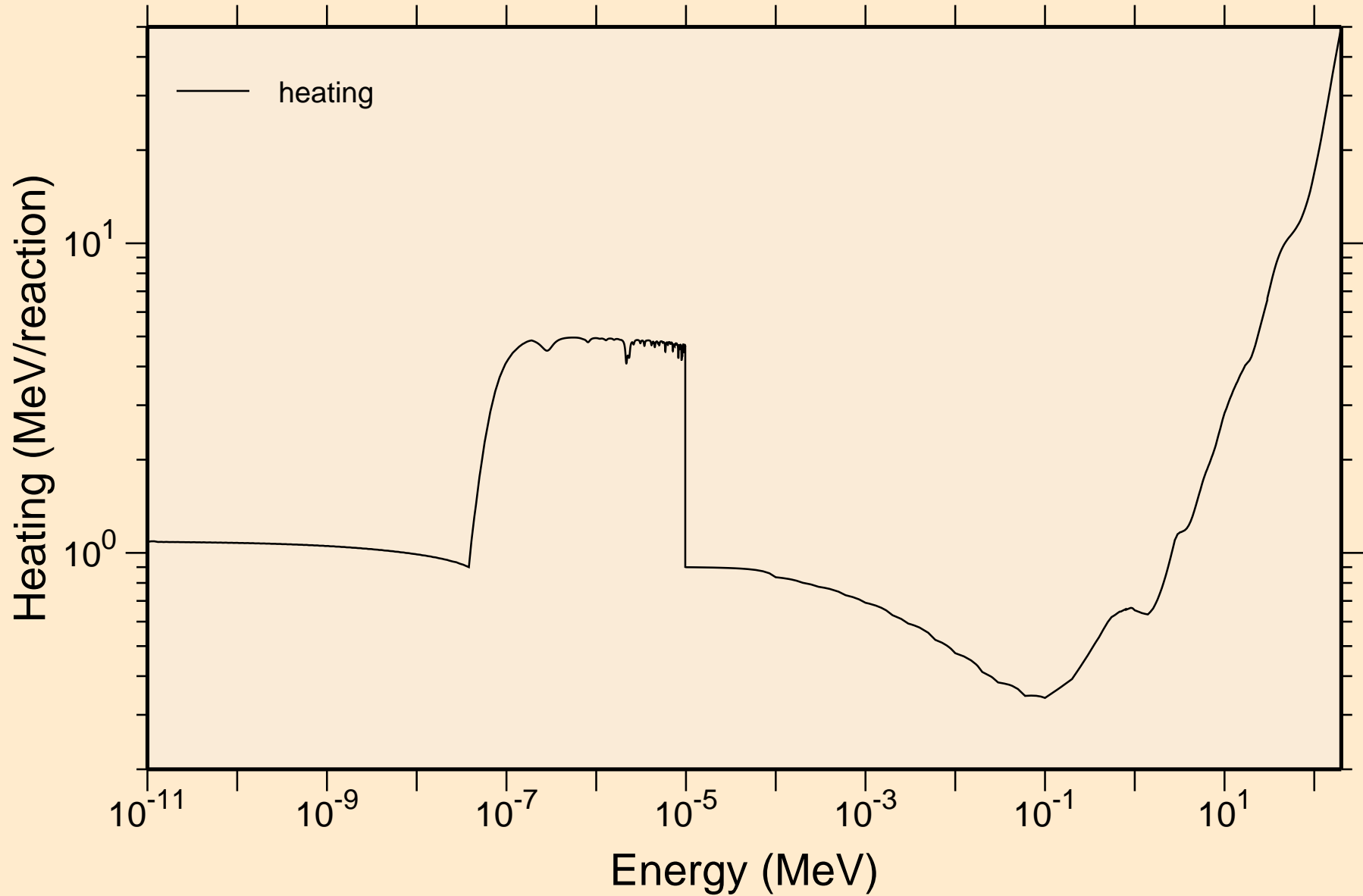


TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

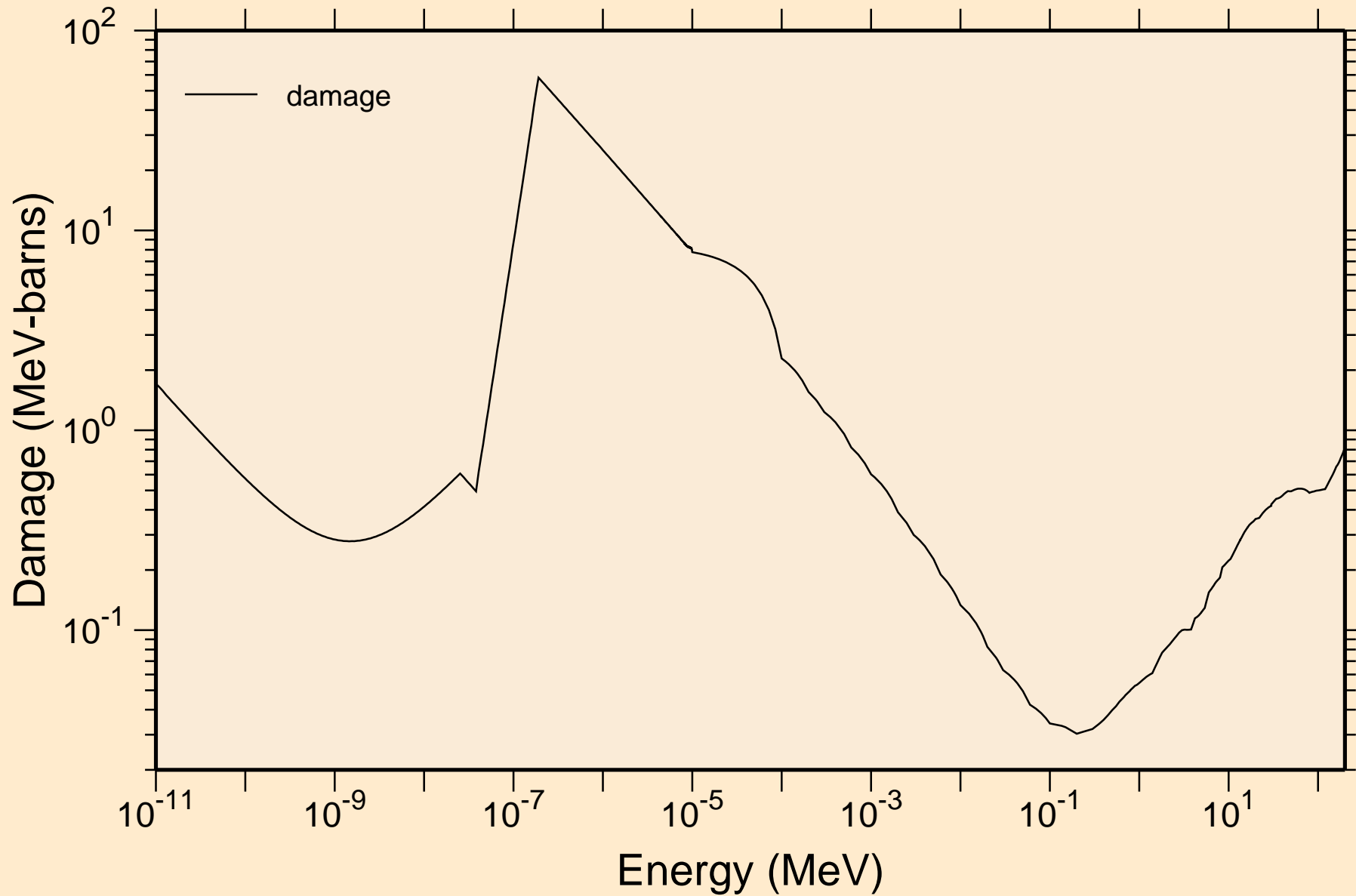


# TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

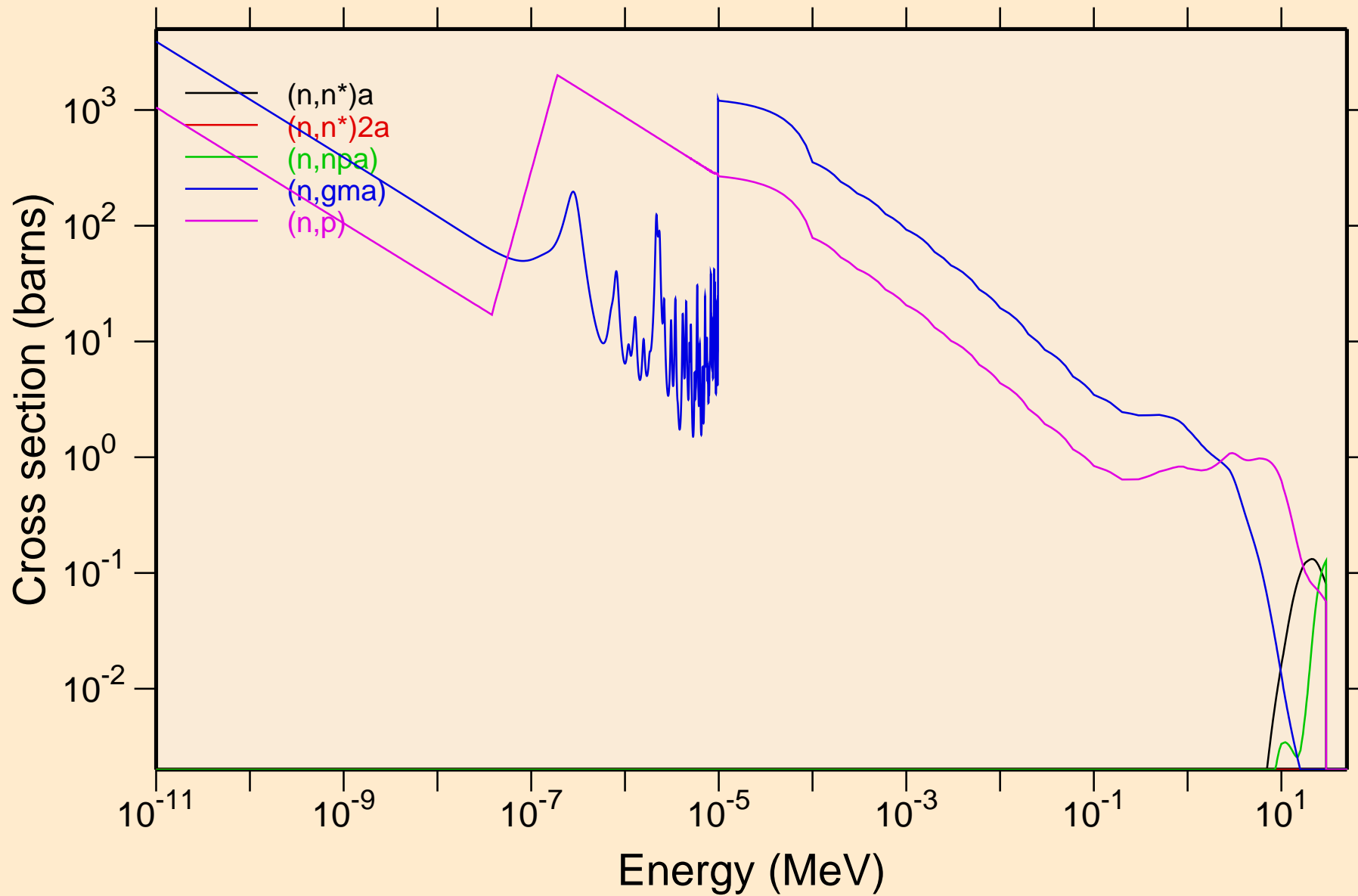
## Heating



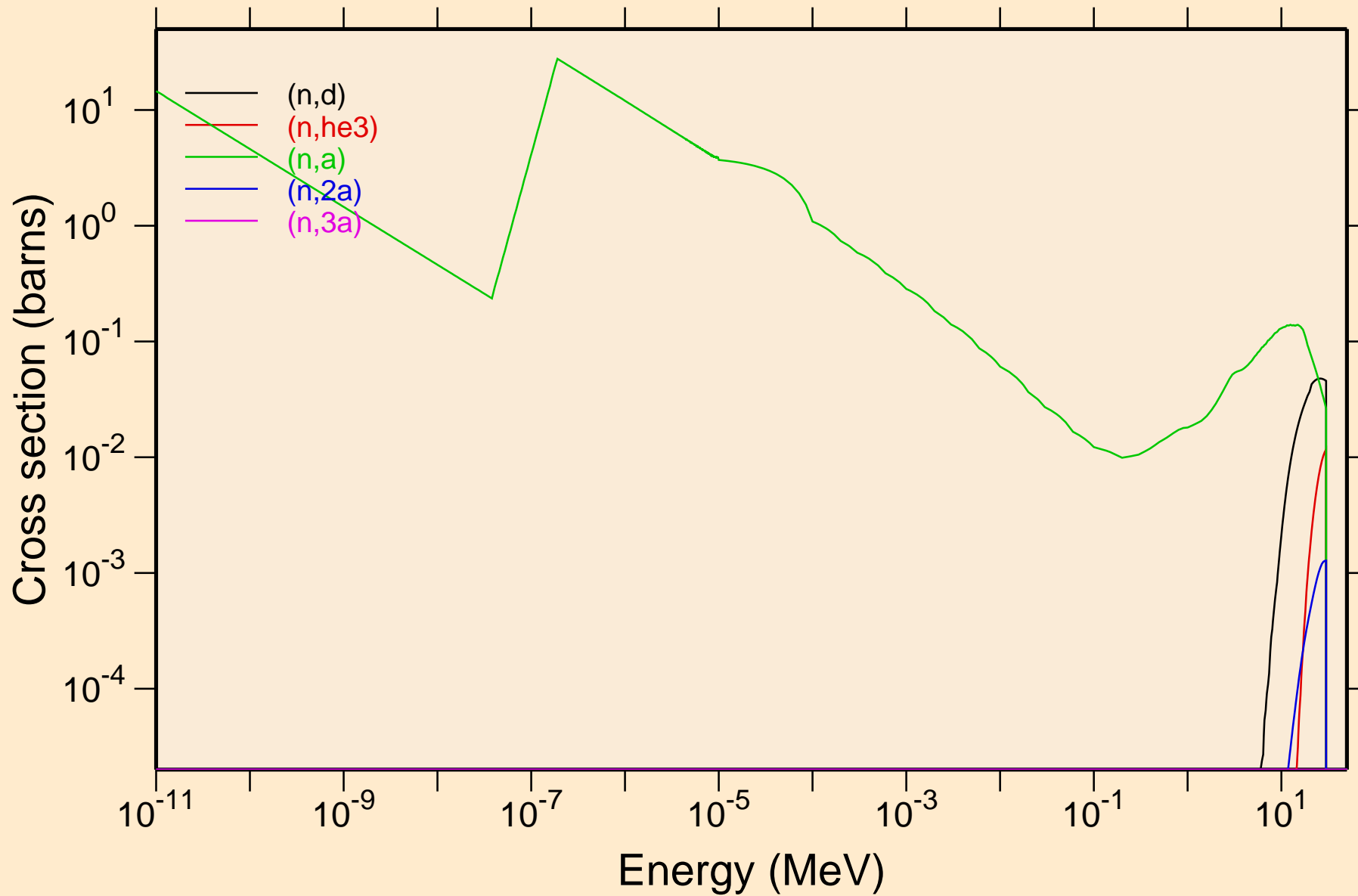
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Damage



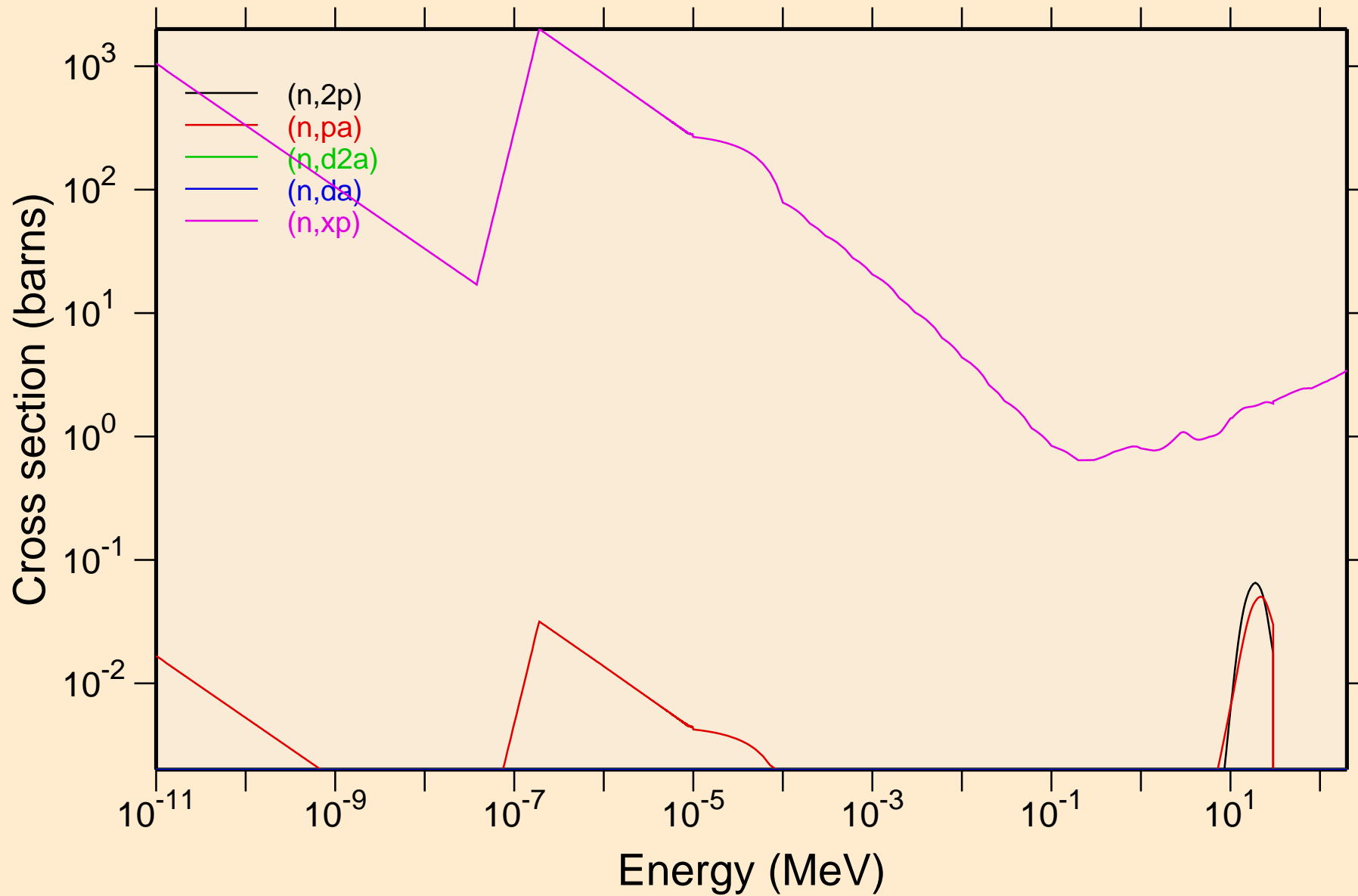
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



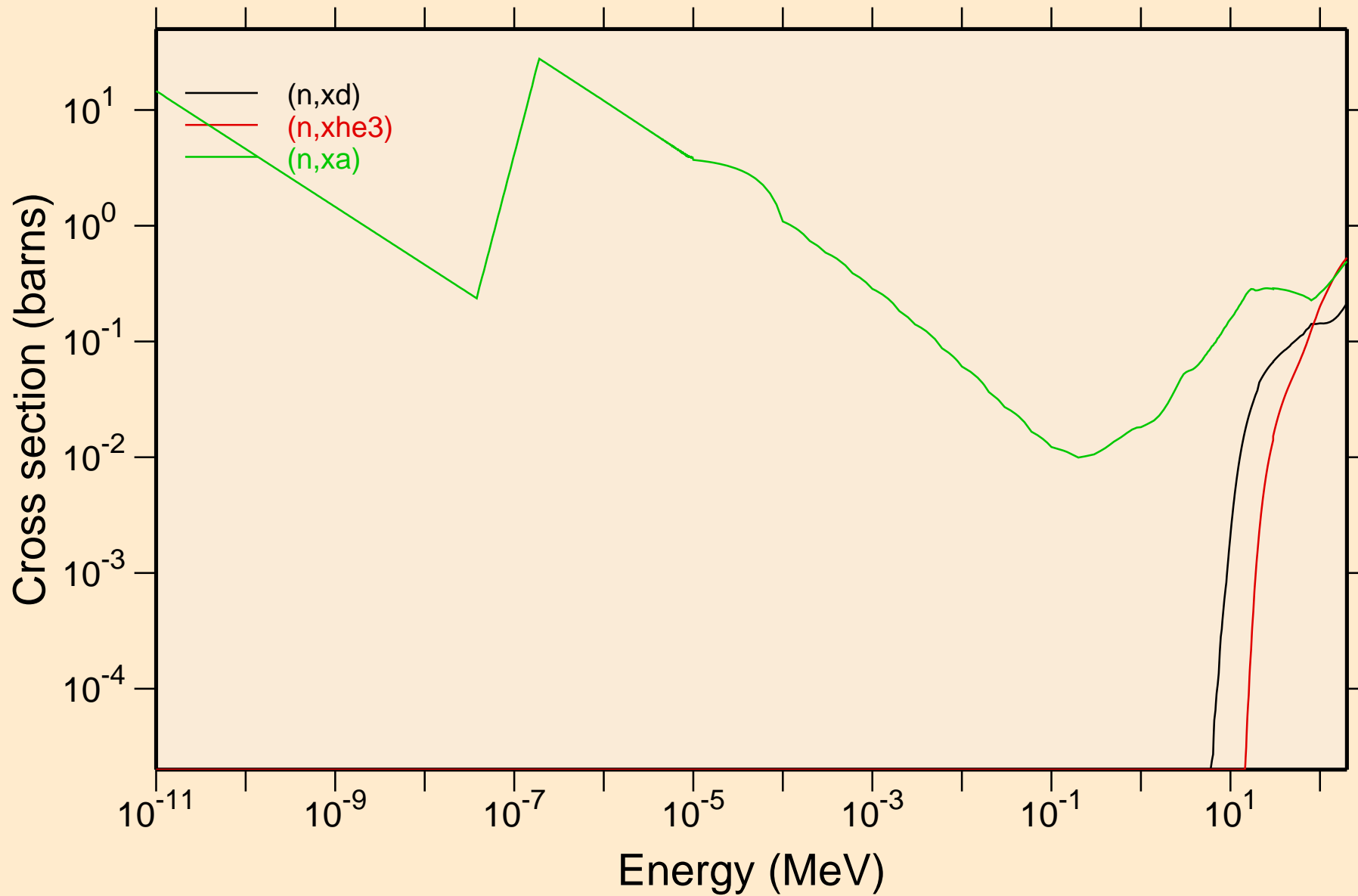
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

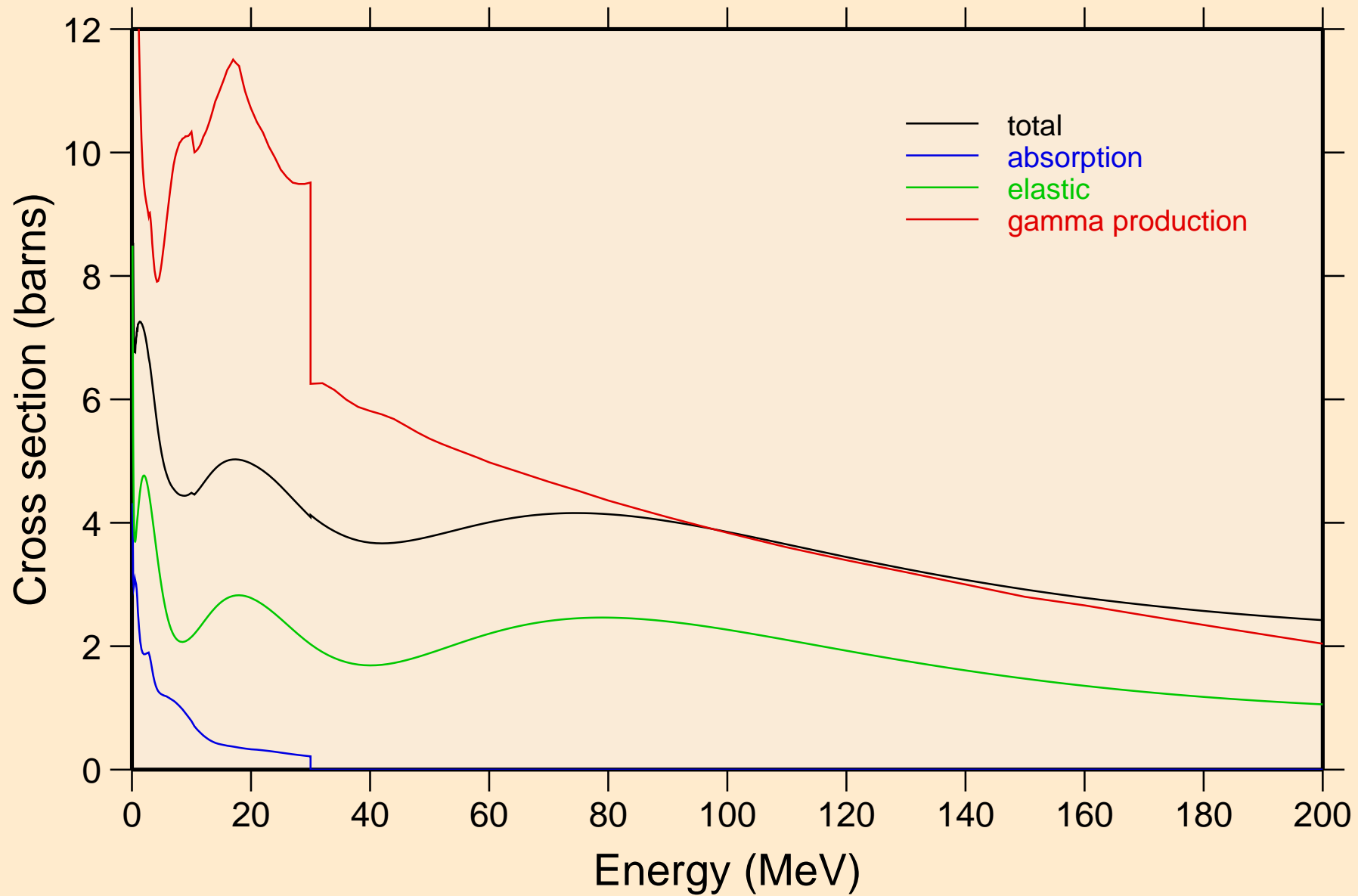


TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



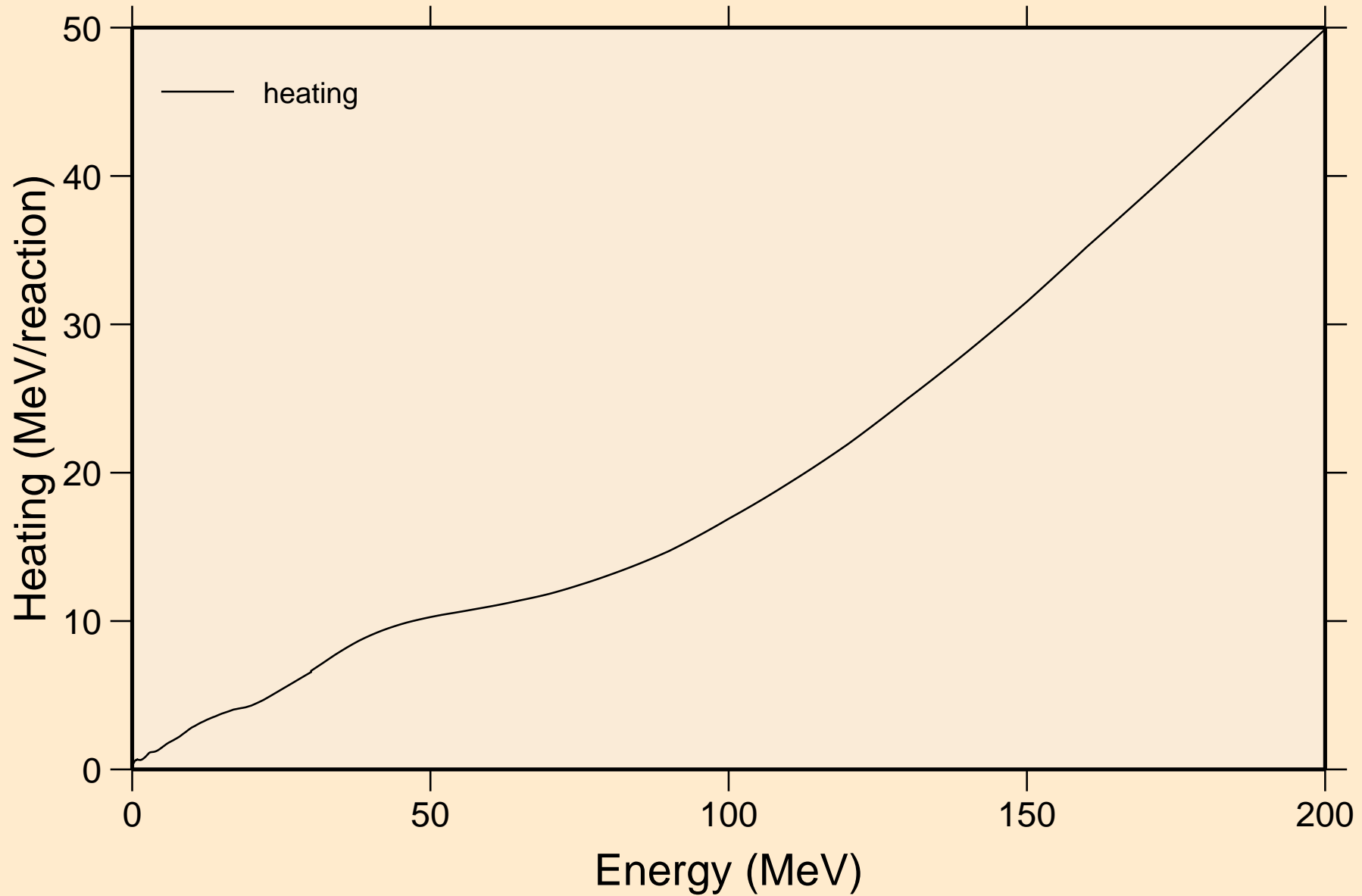
# TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



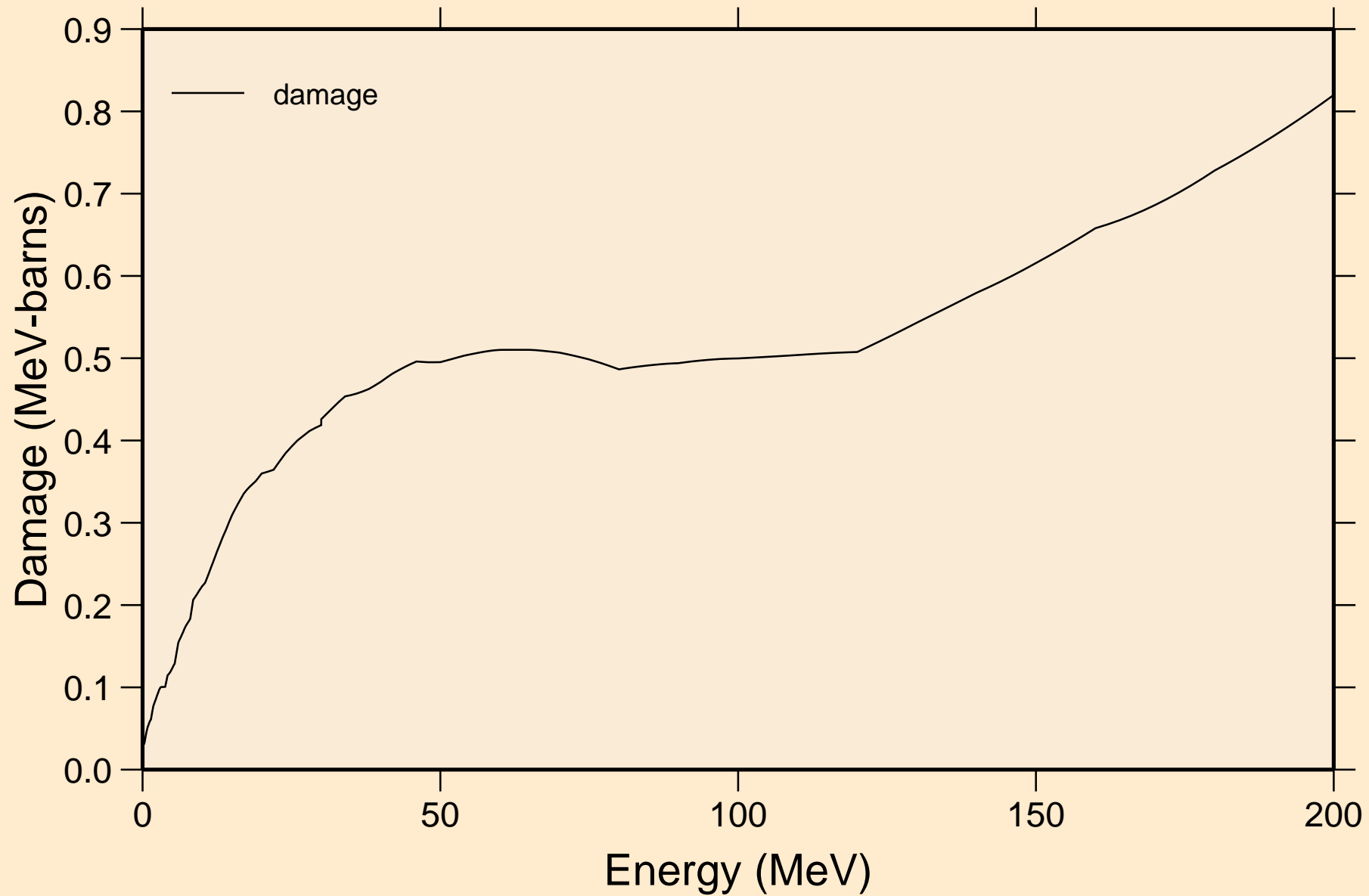
# TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Heating

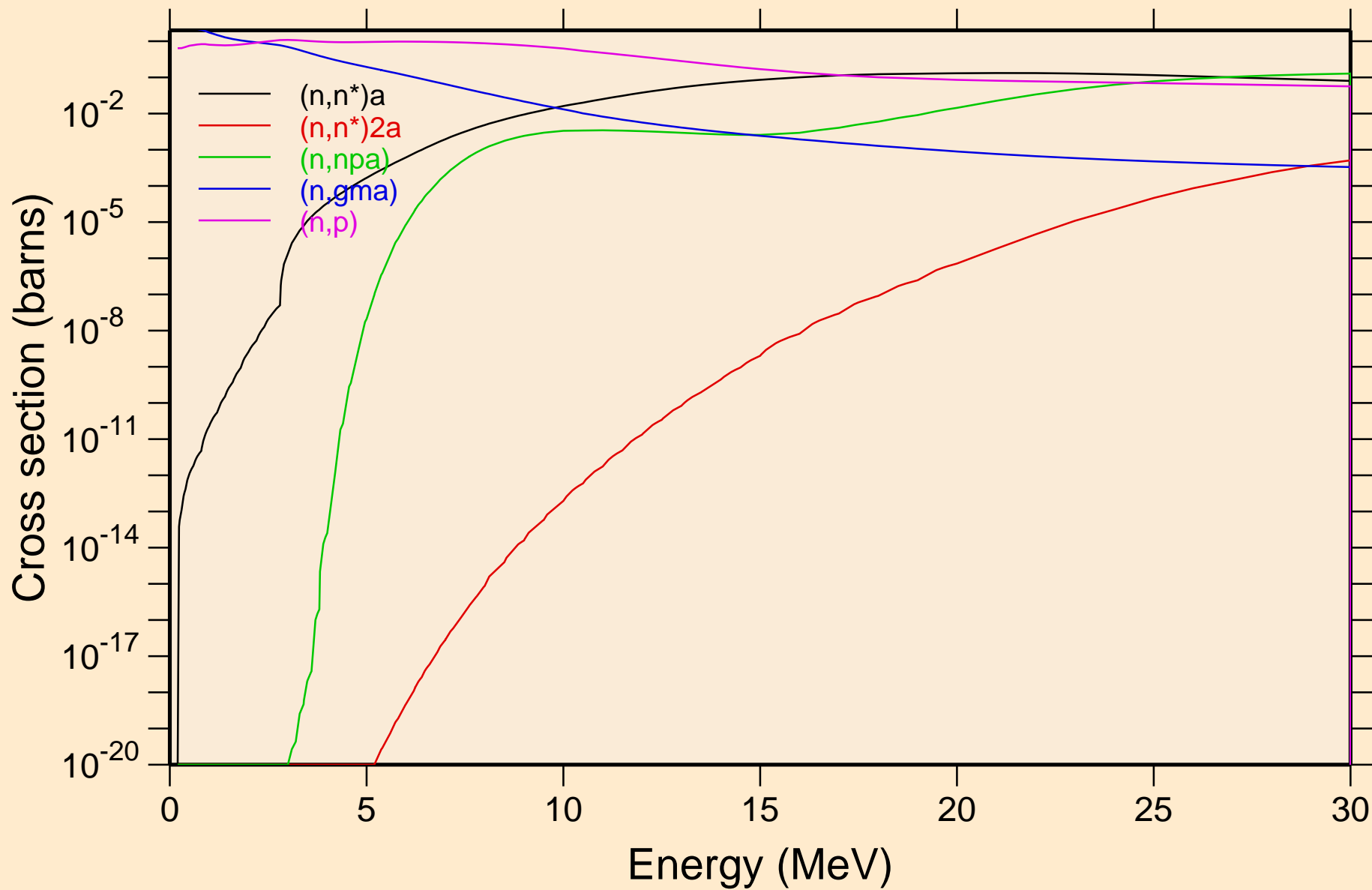


# TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

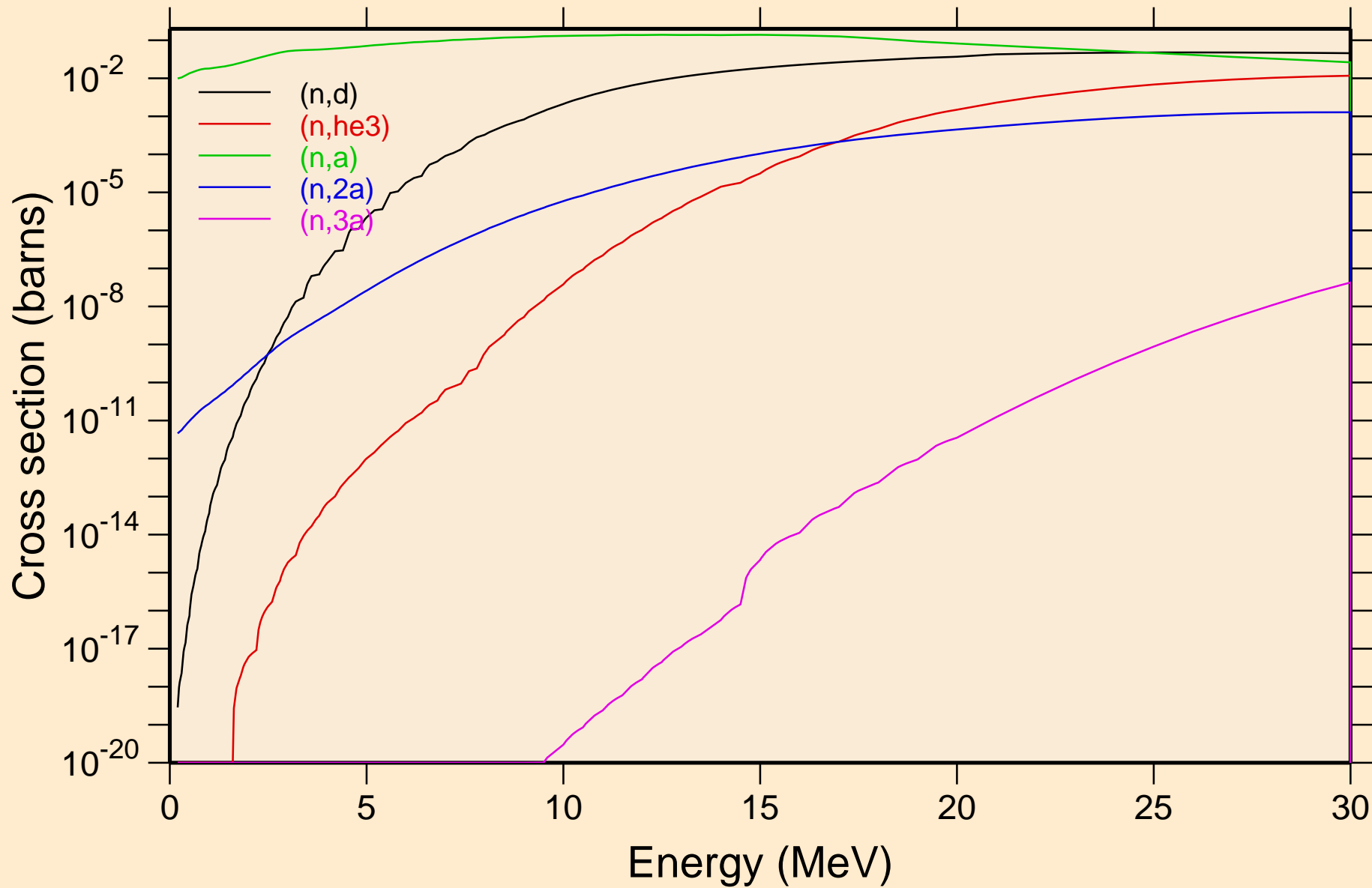
## Damage



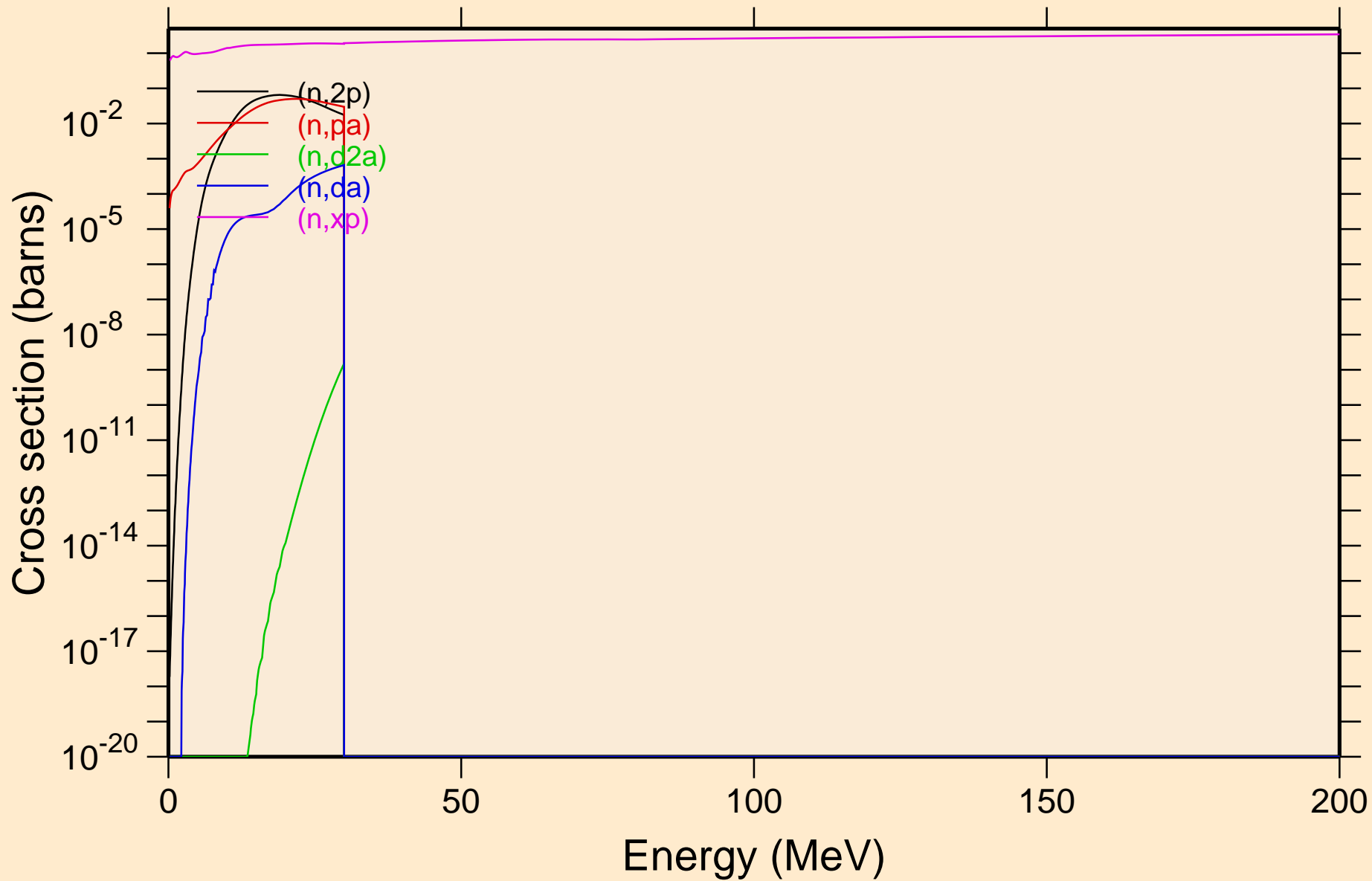
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



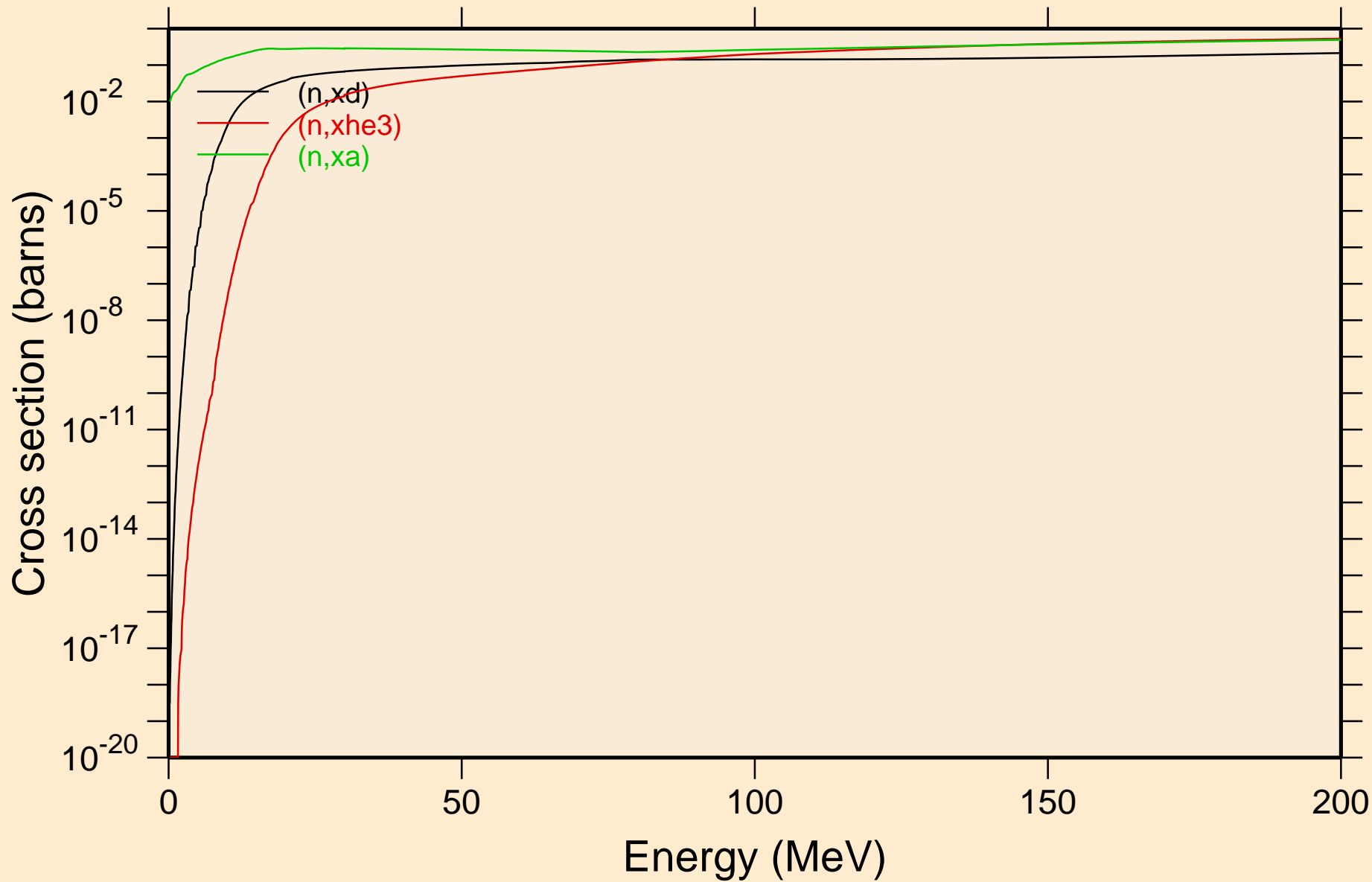
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



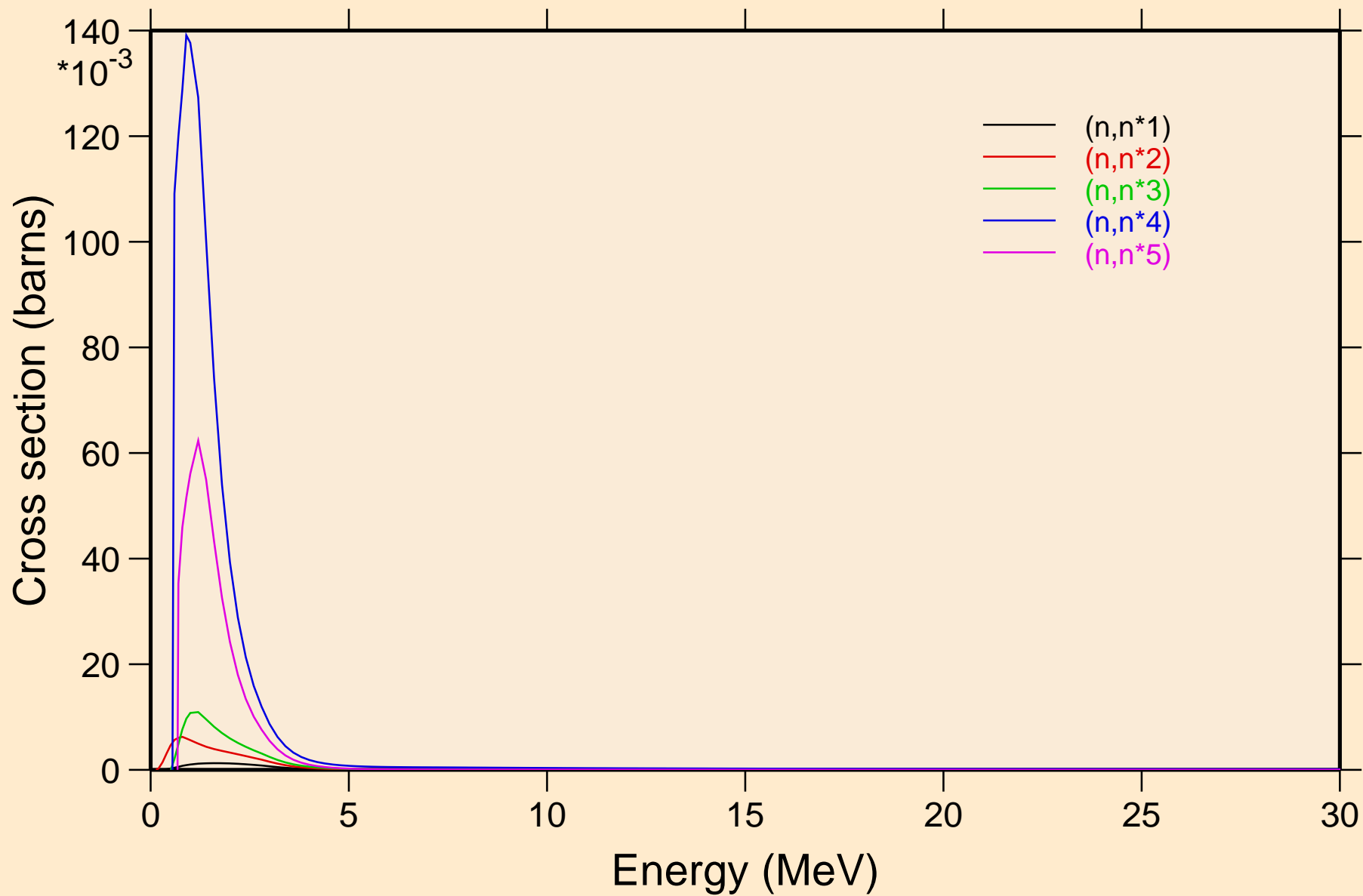
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



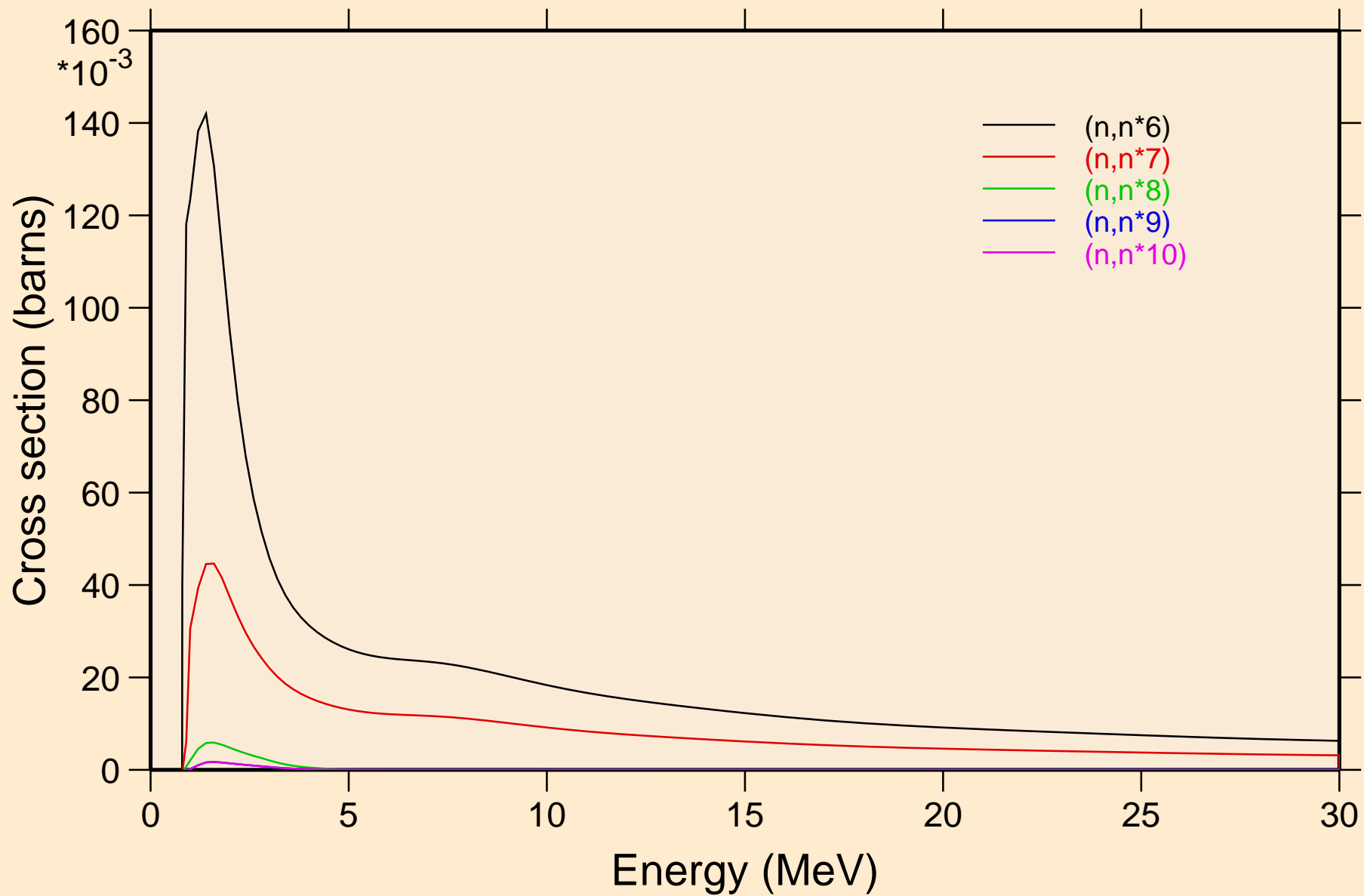
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



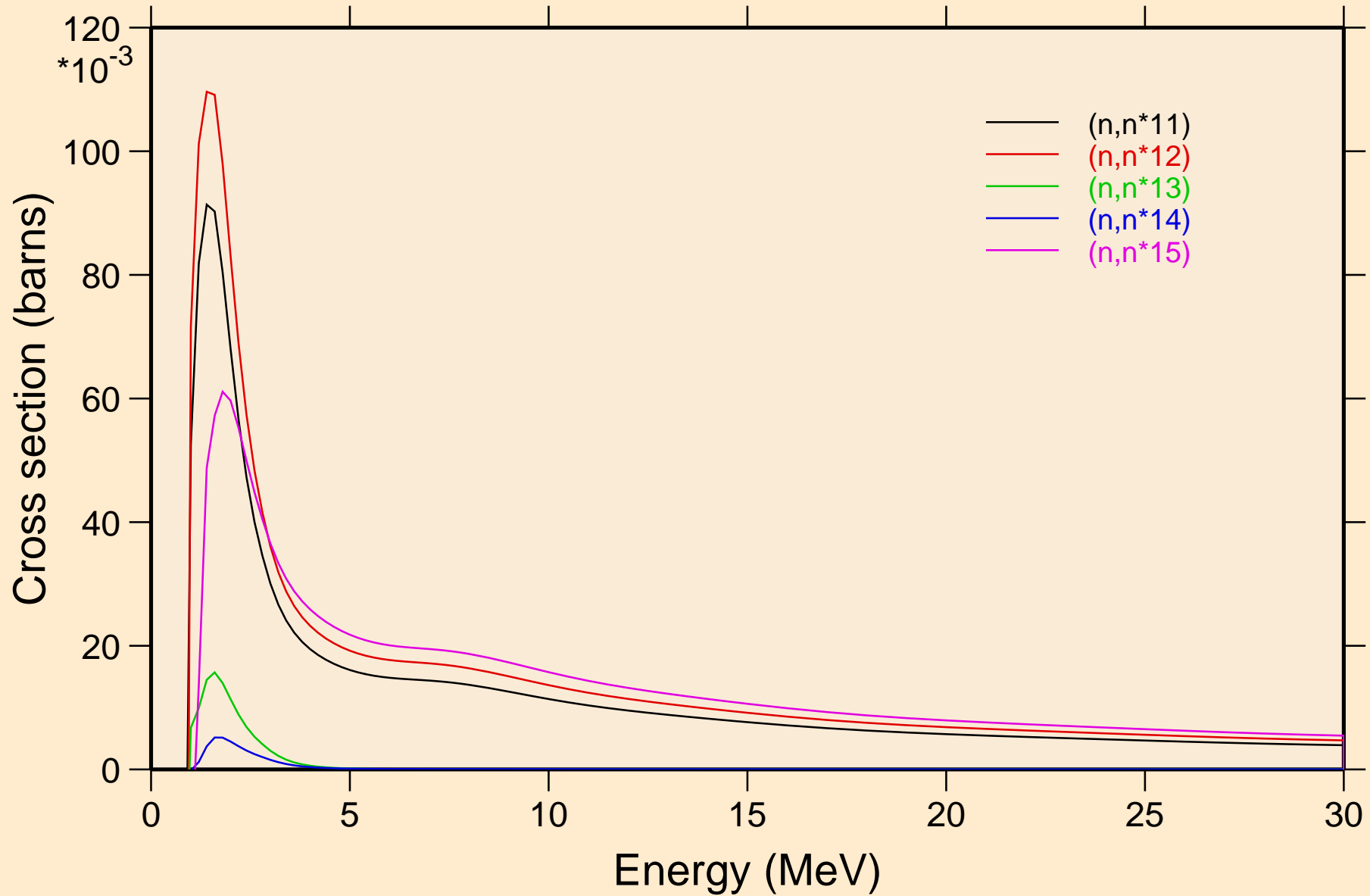
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



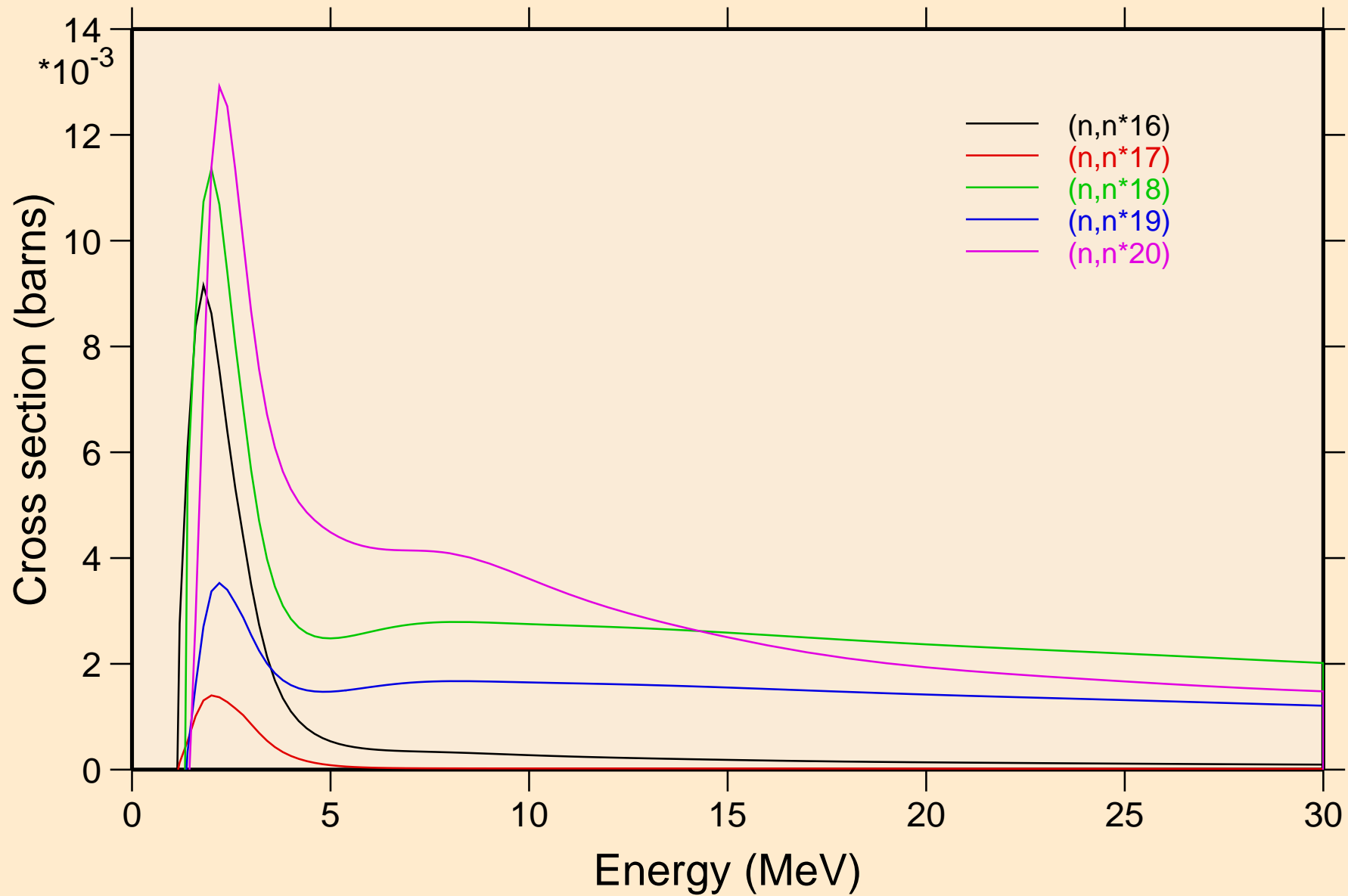
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



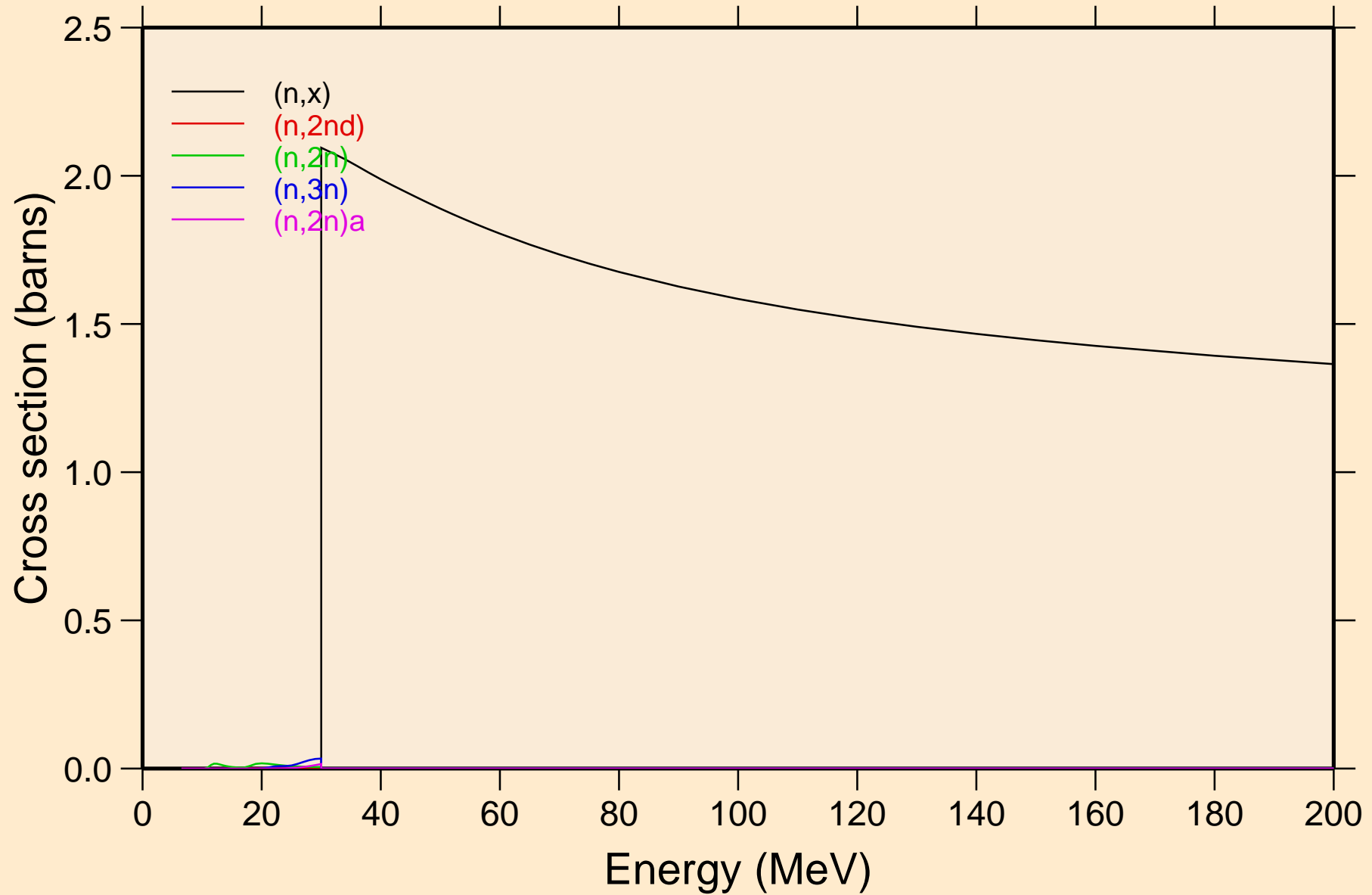
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



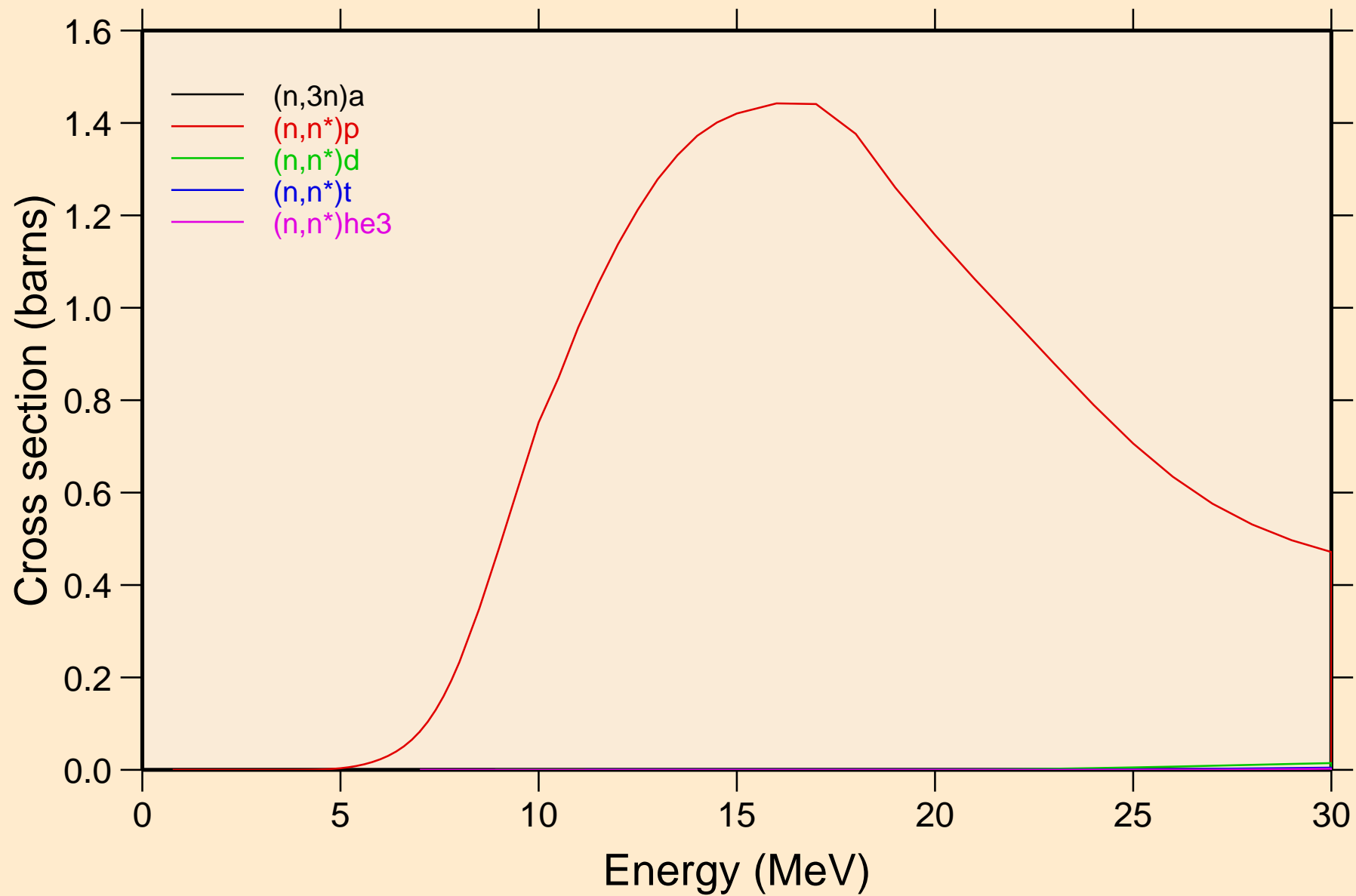
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

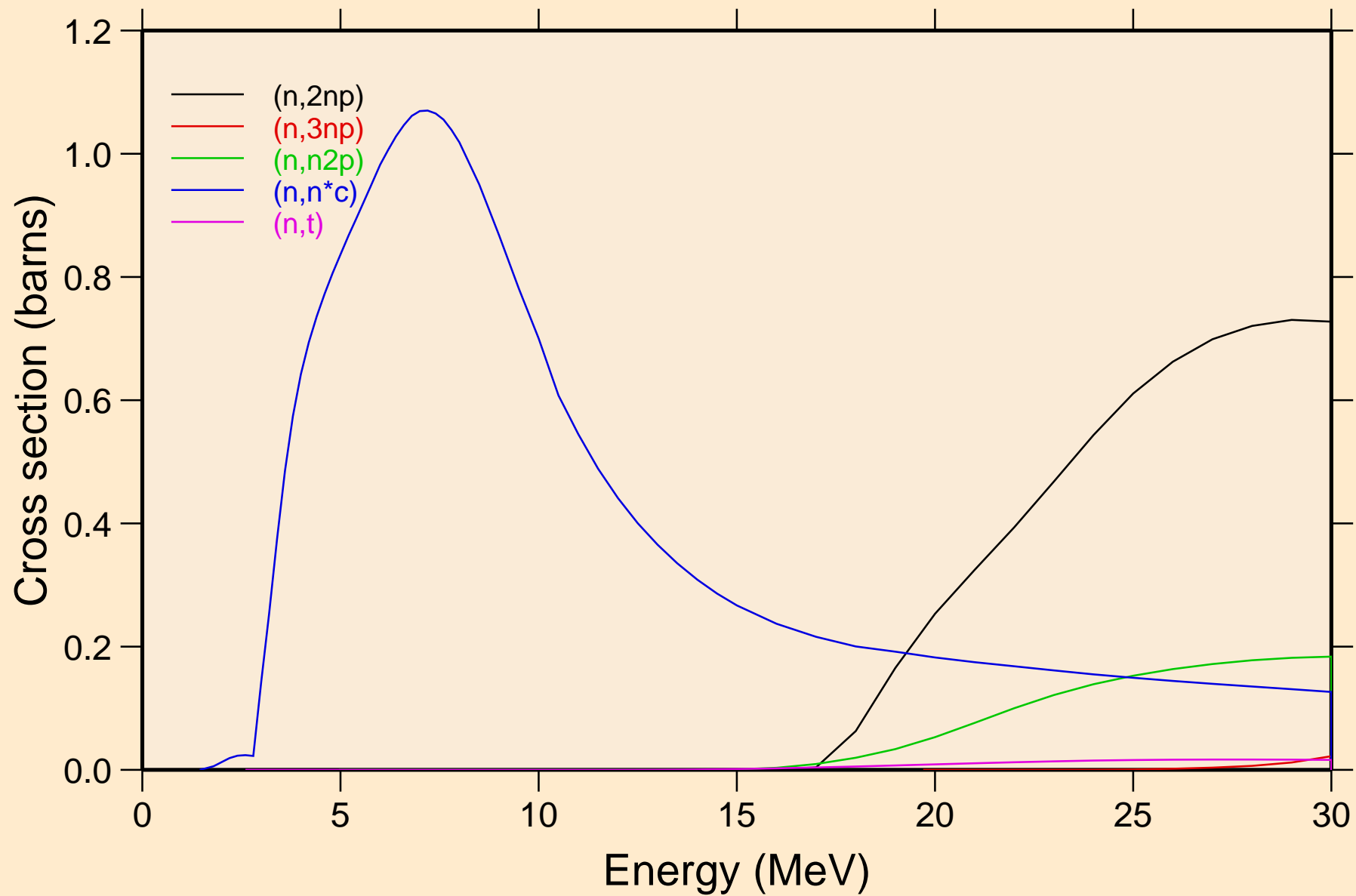


TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

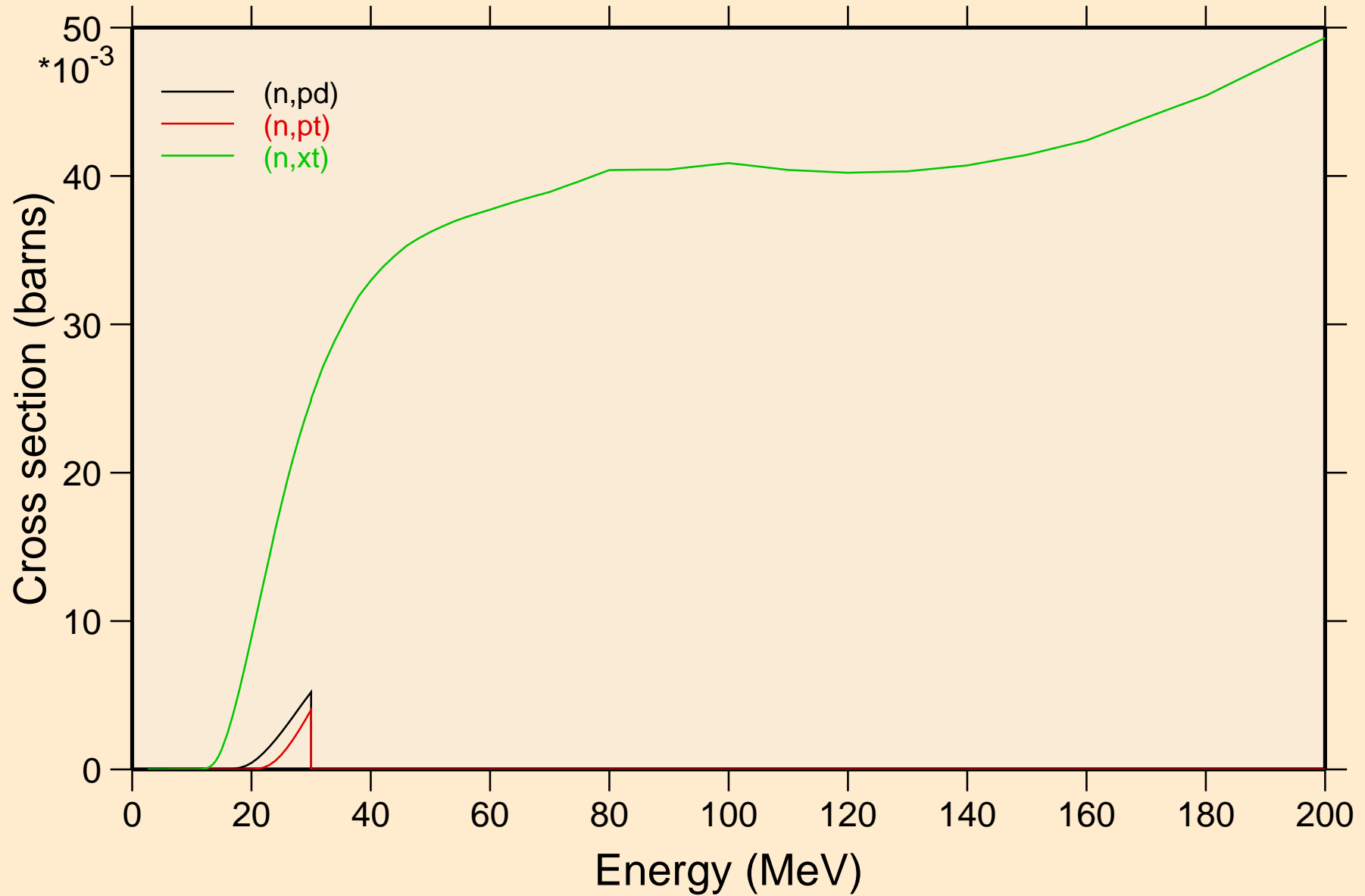


# TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

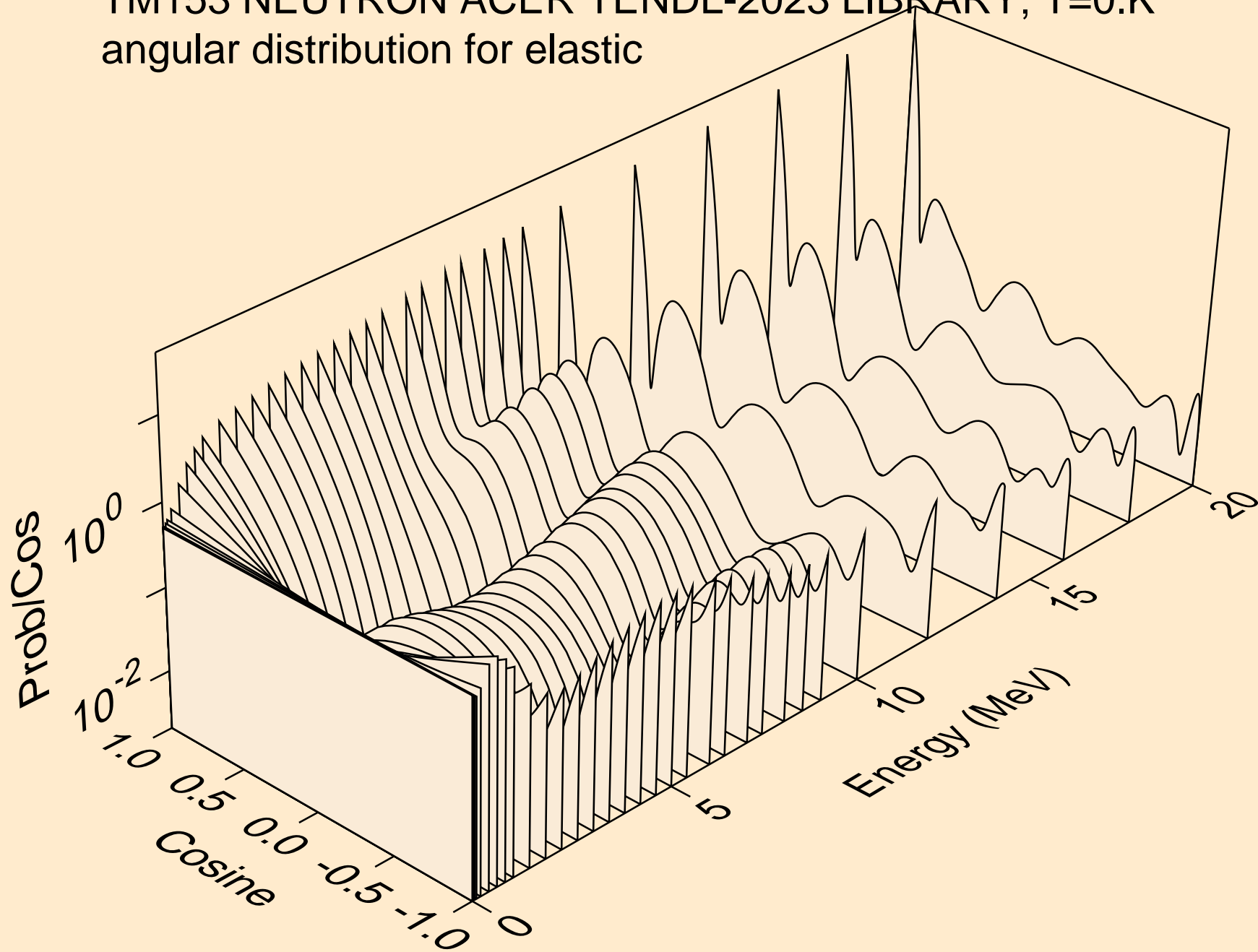
## Threshold reactions



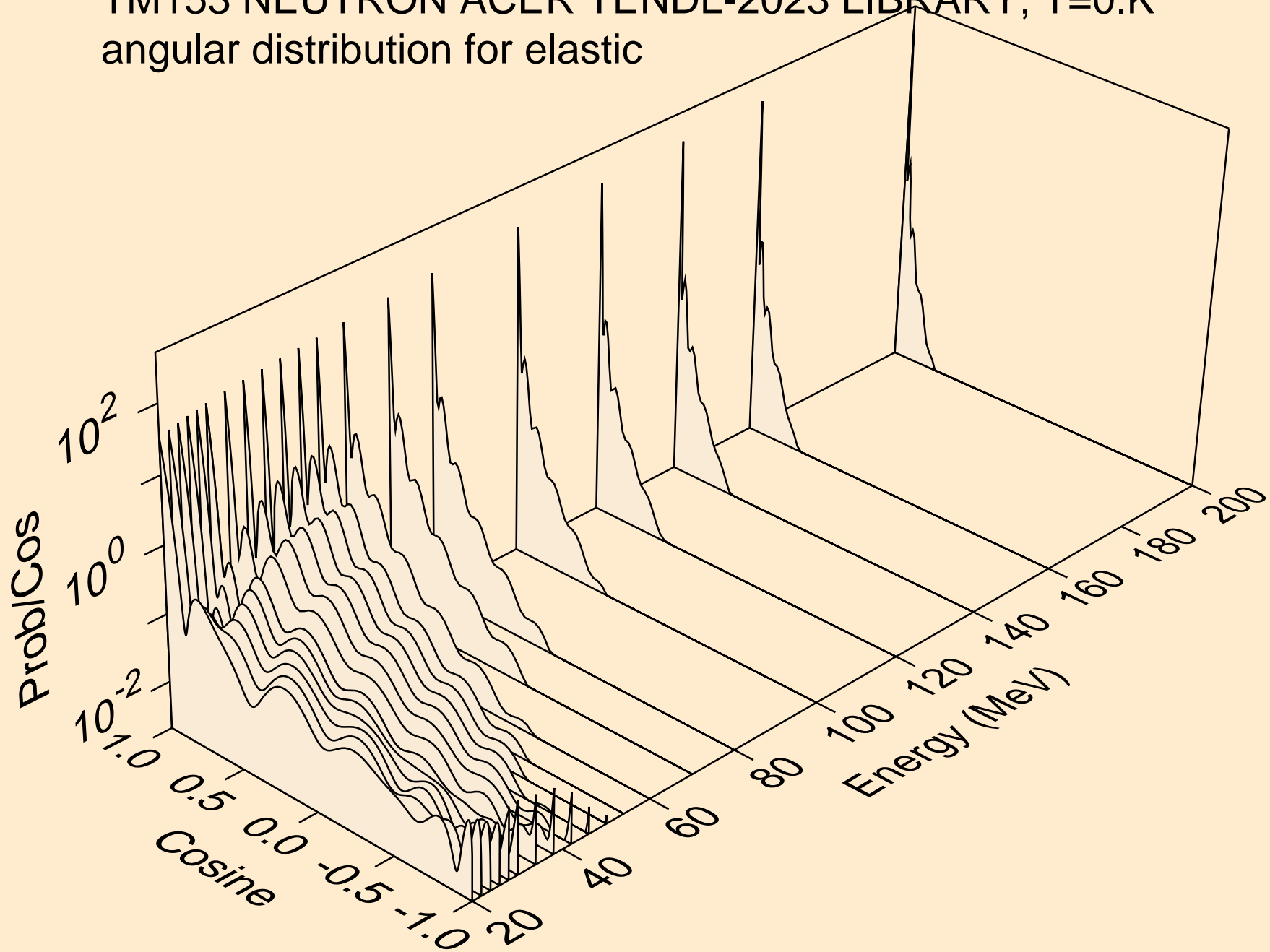
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



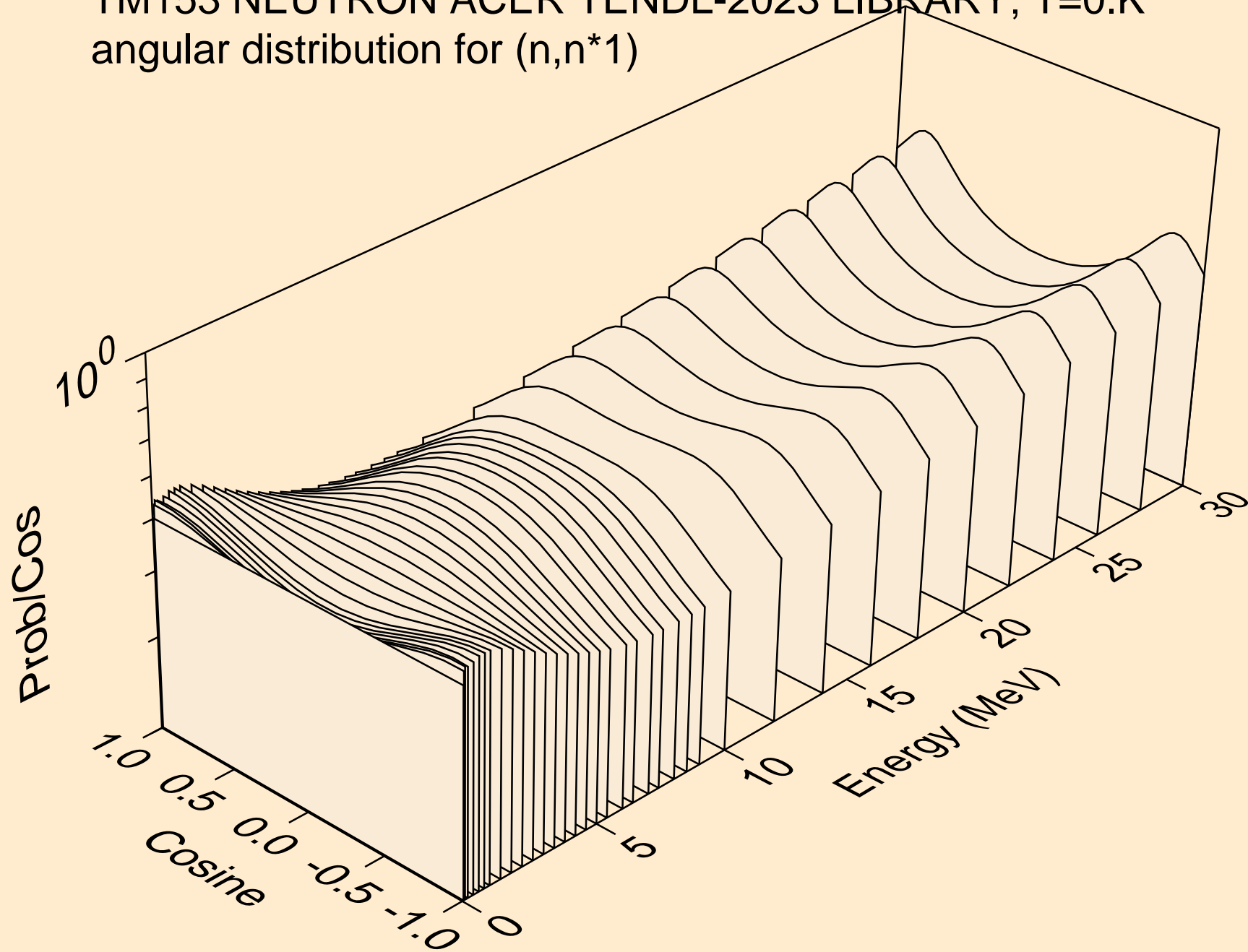
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



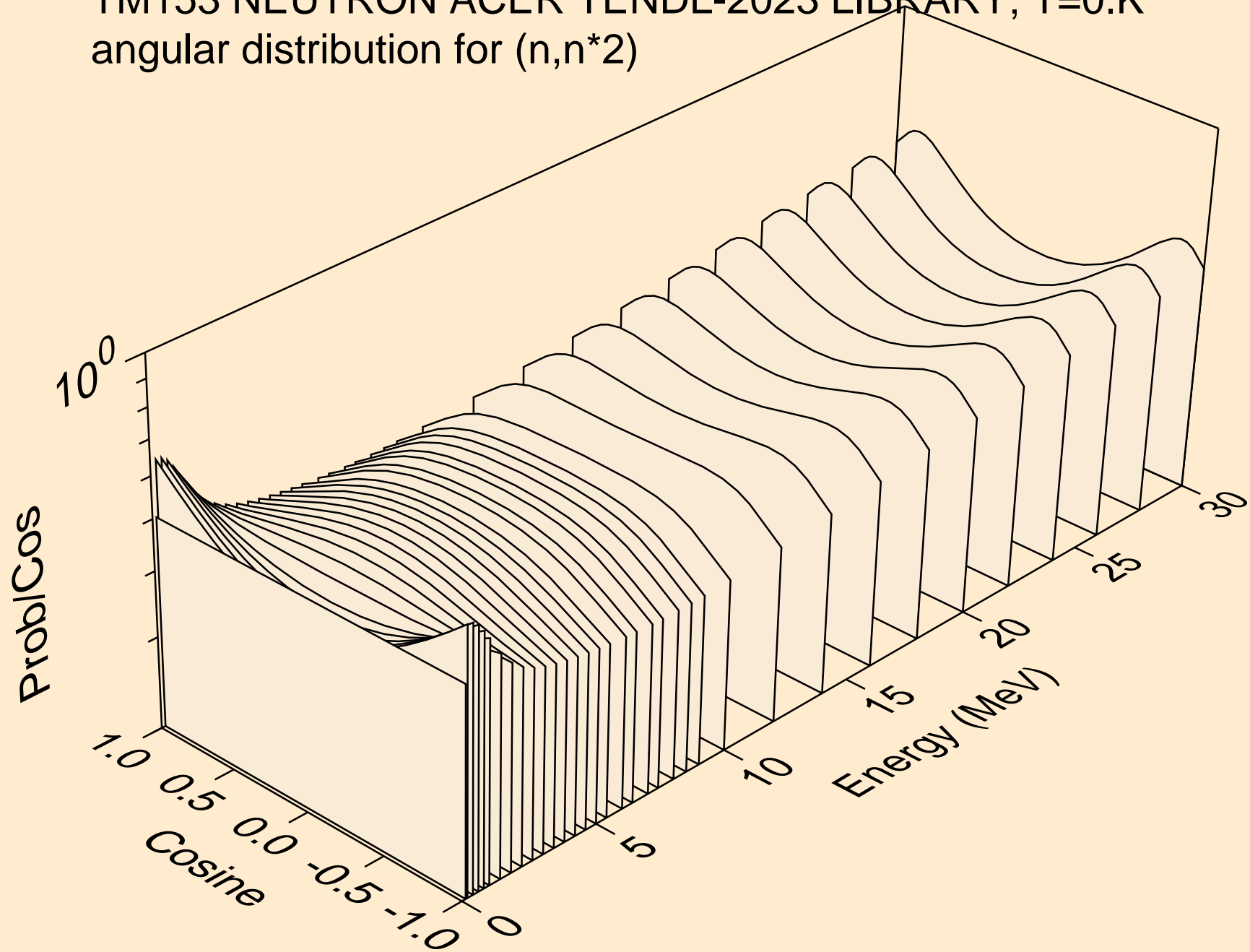
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angular distribution for elastic



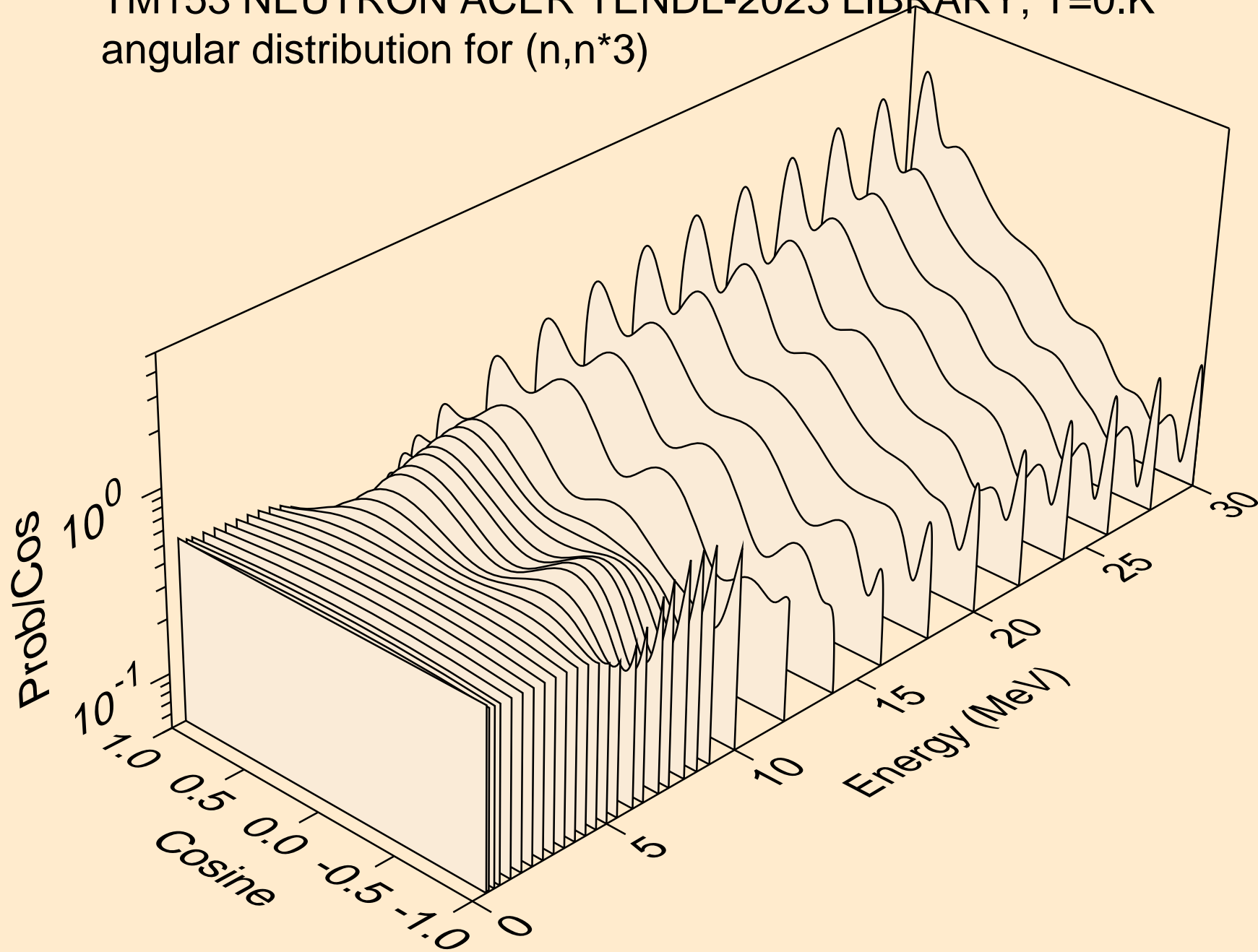
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



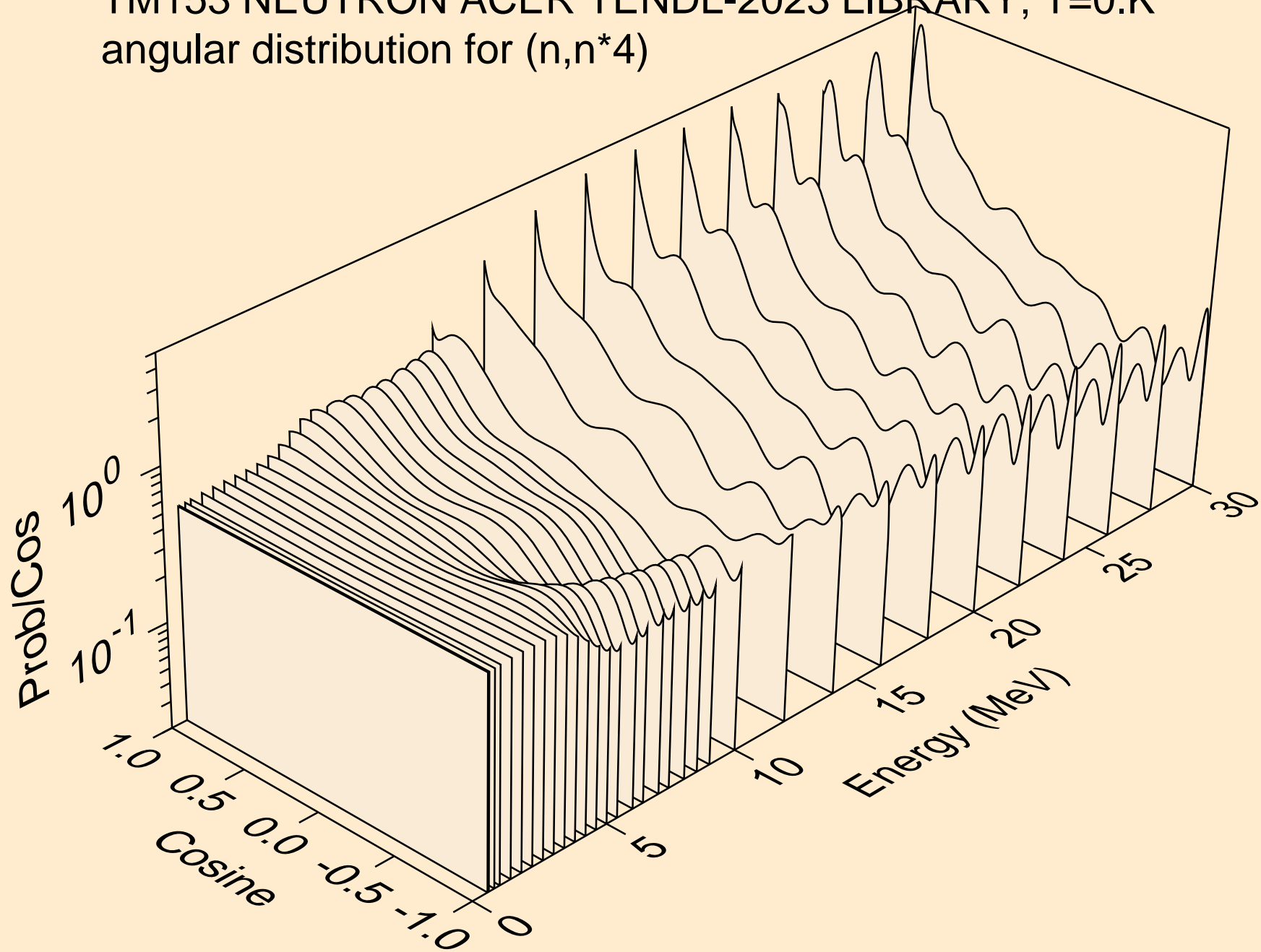
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*2)



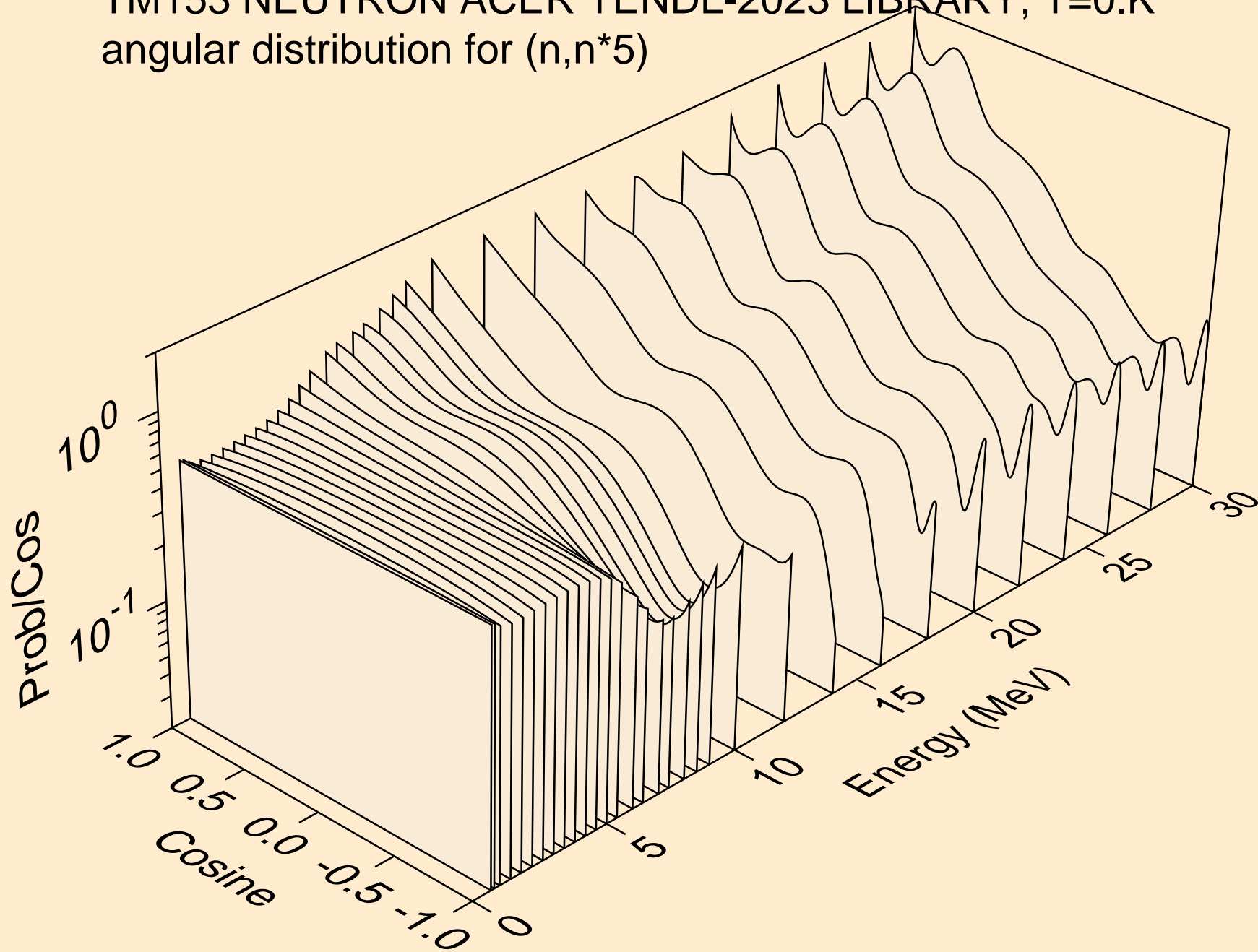
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*3)



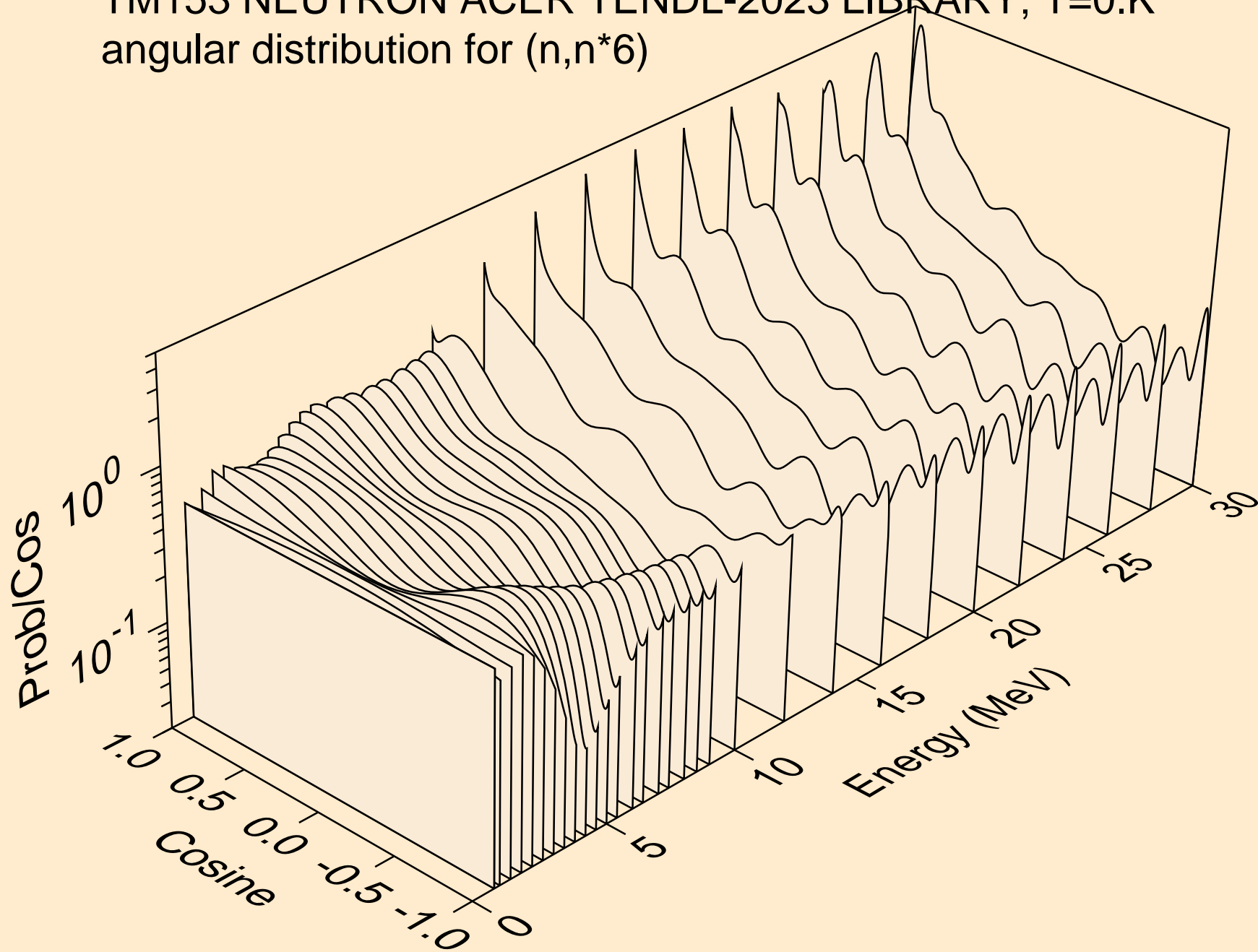
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*4)



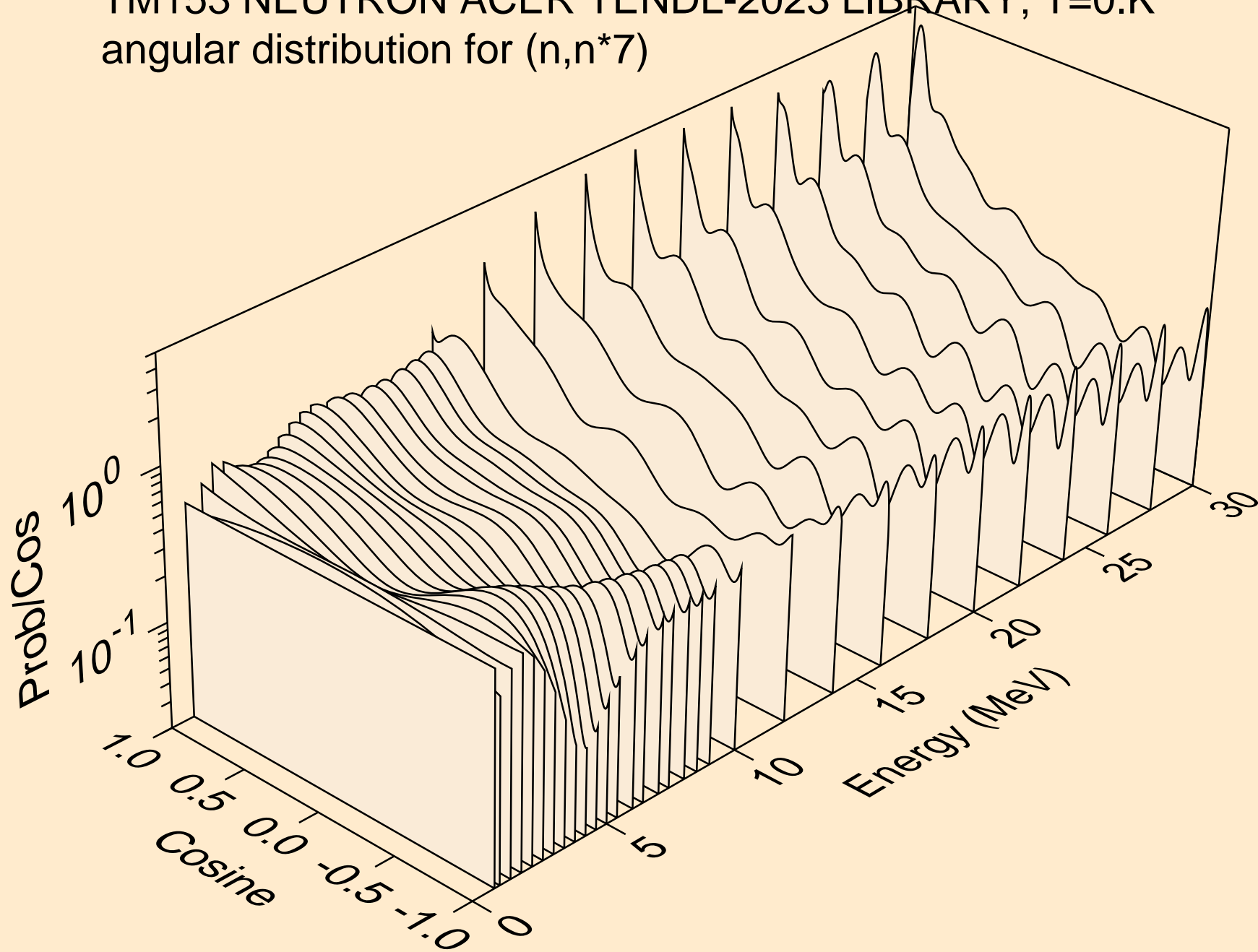
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*5)



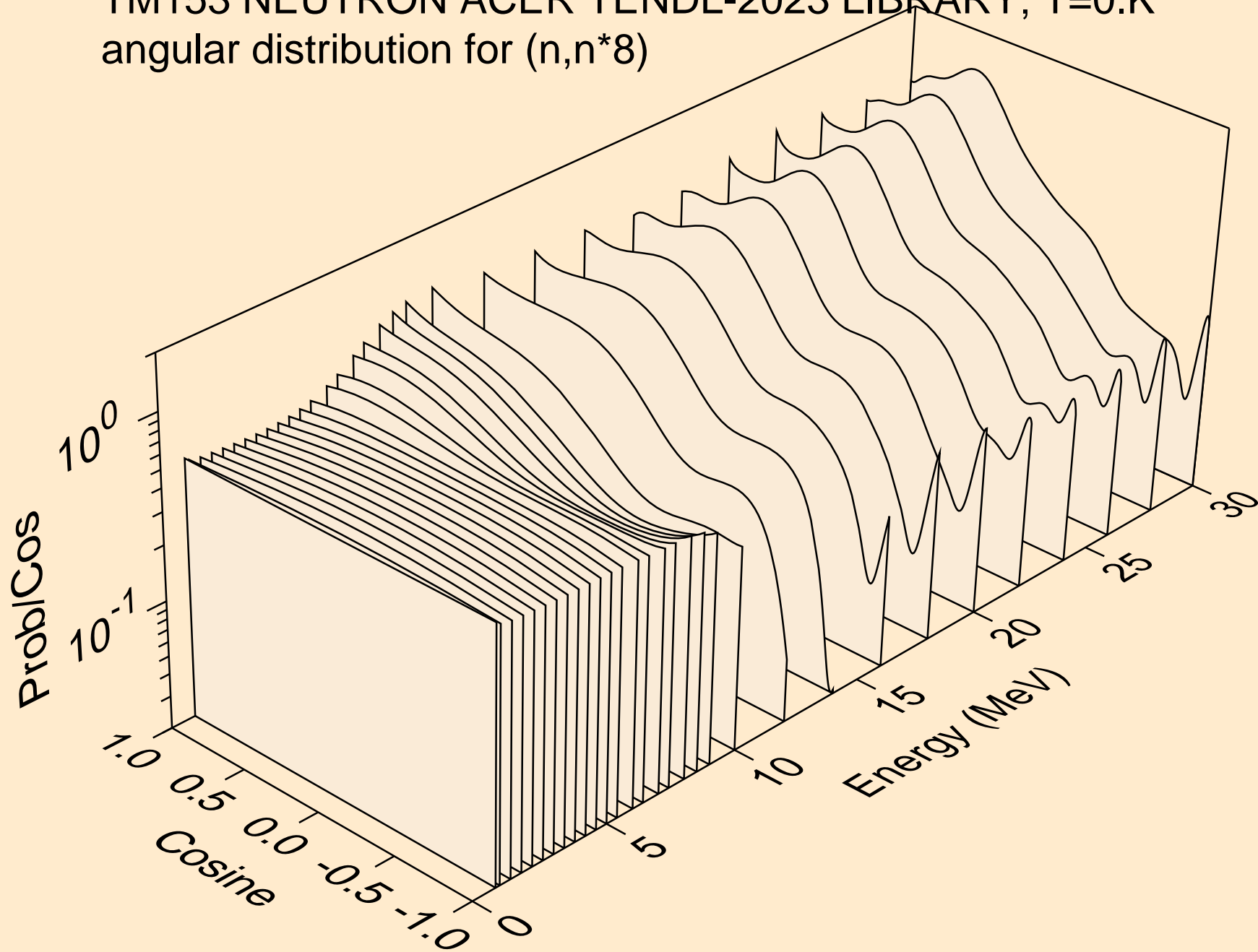
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*6)



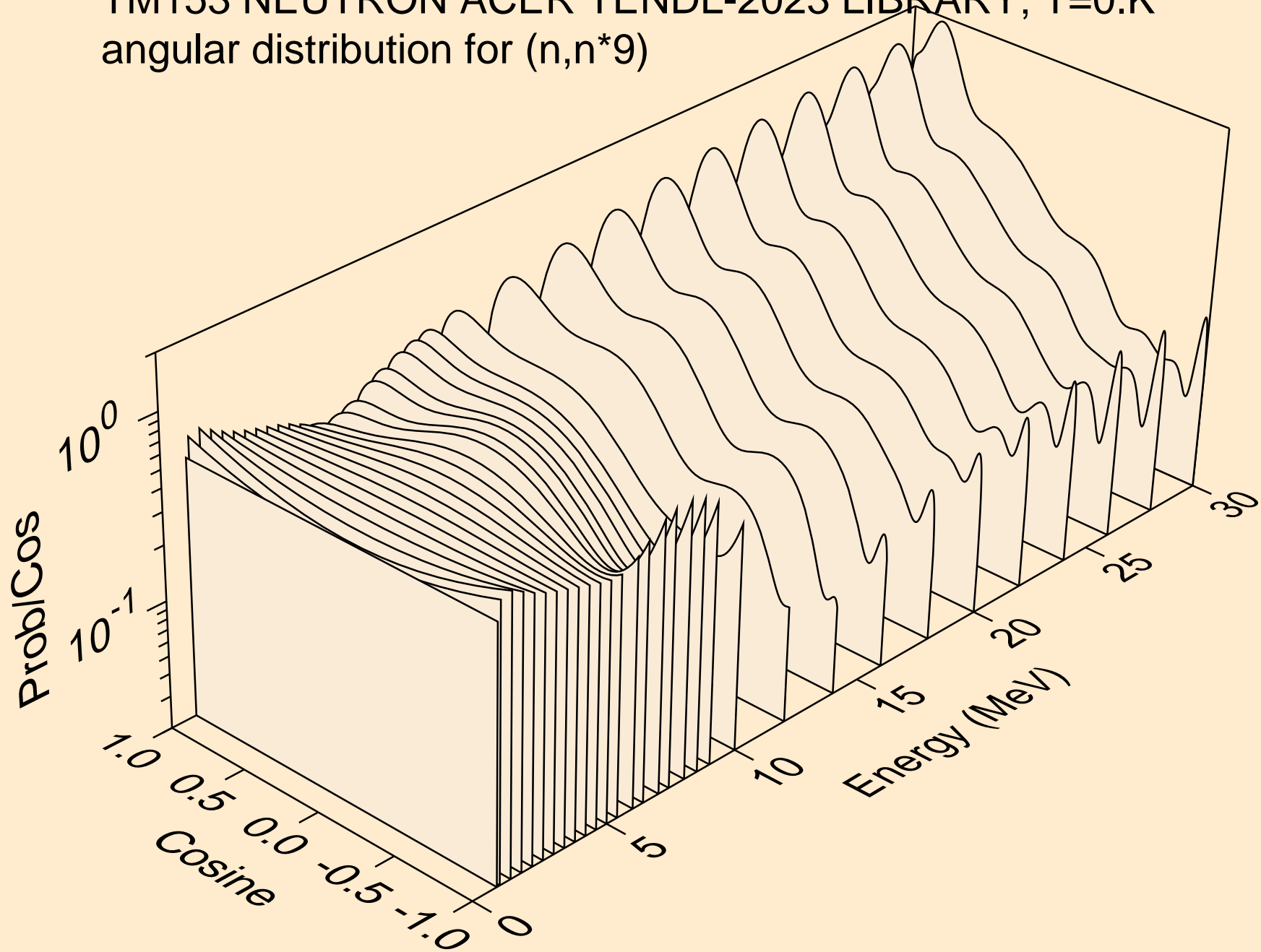
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*7)



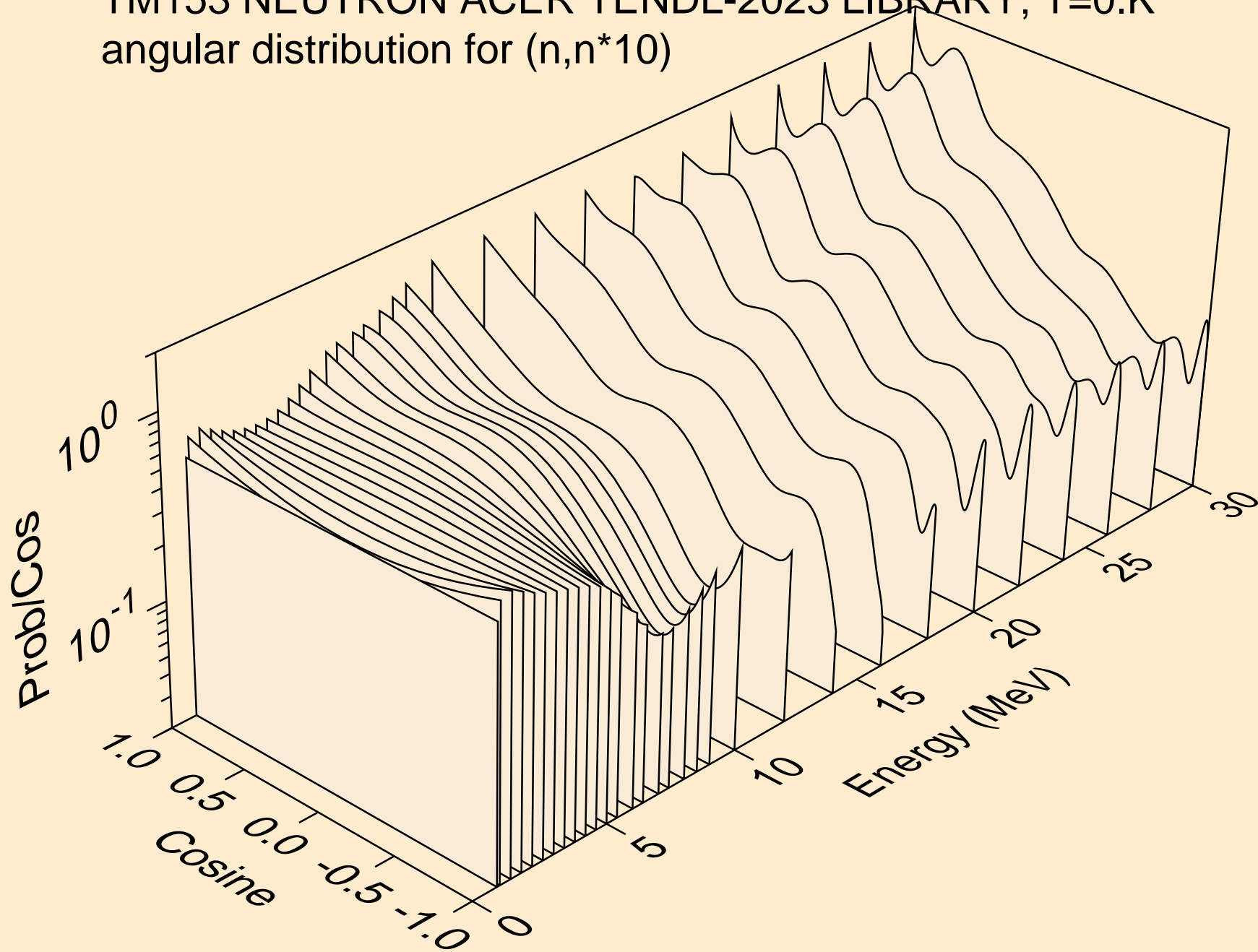
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*8)



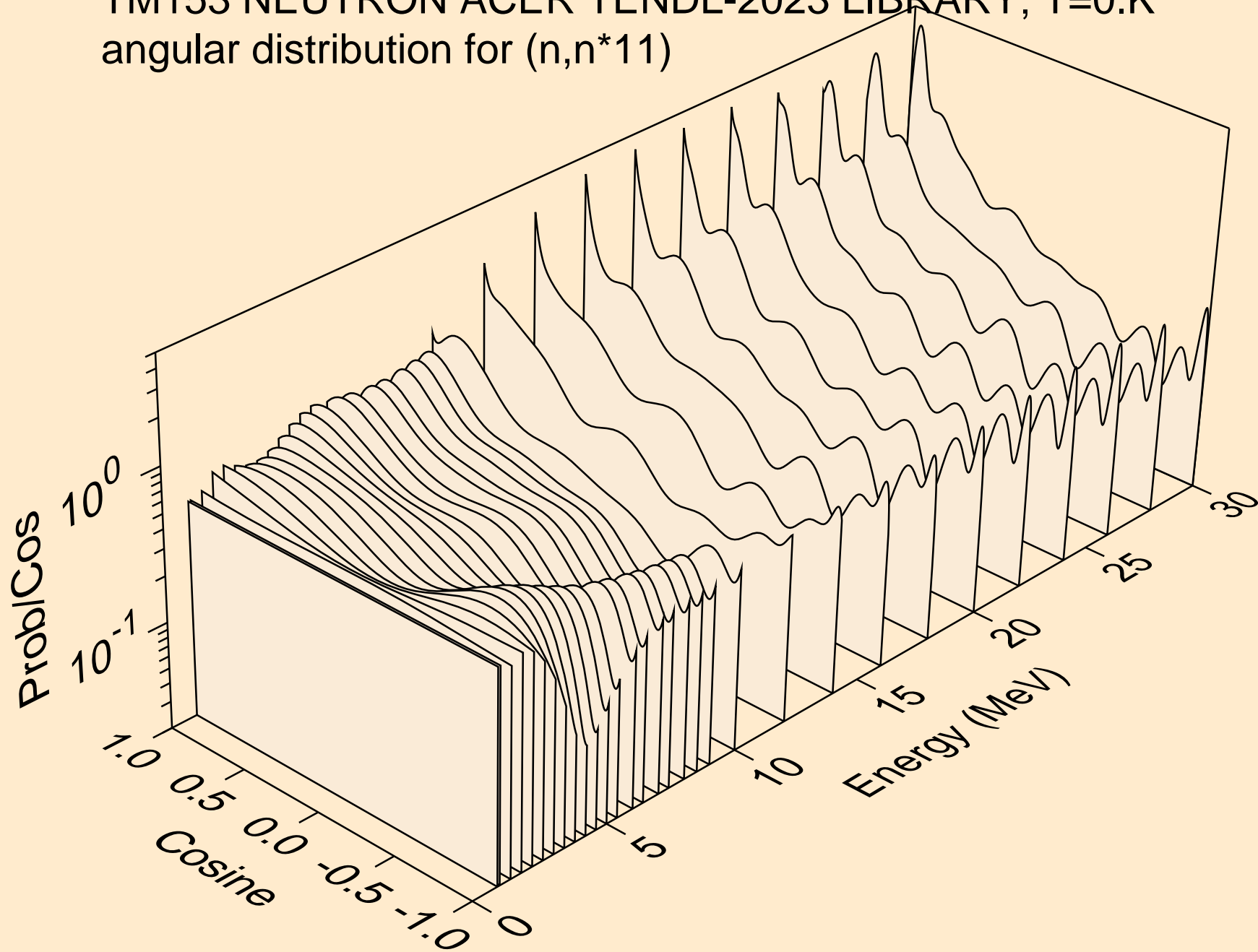
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*9)



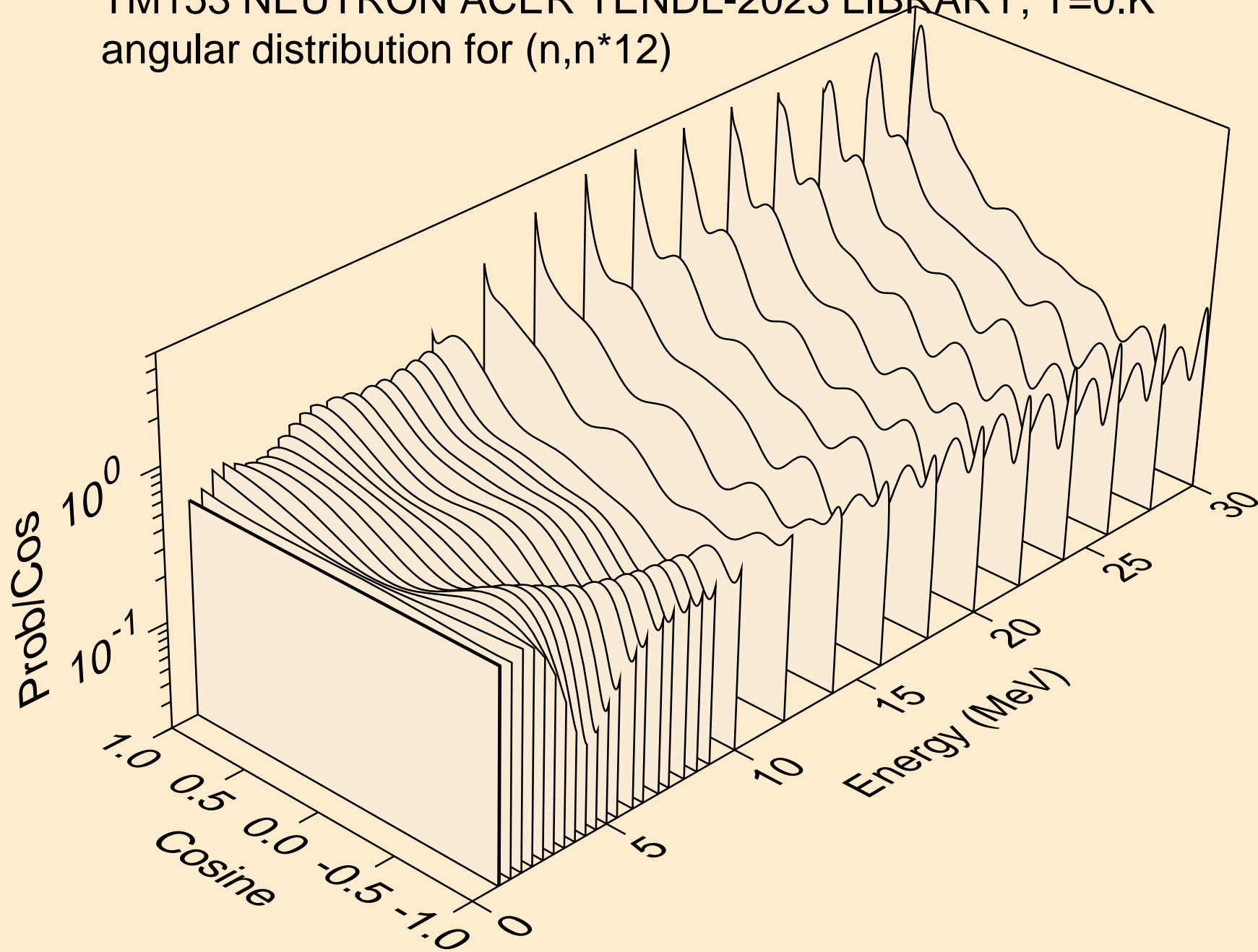
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*10)



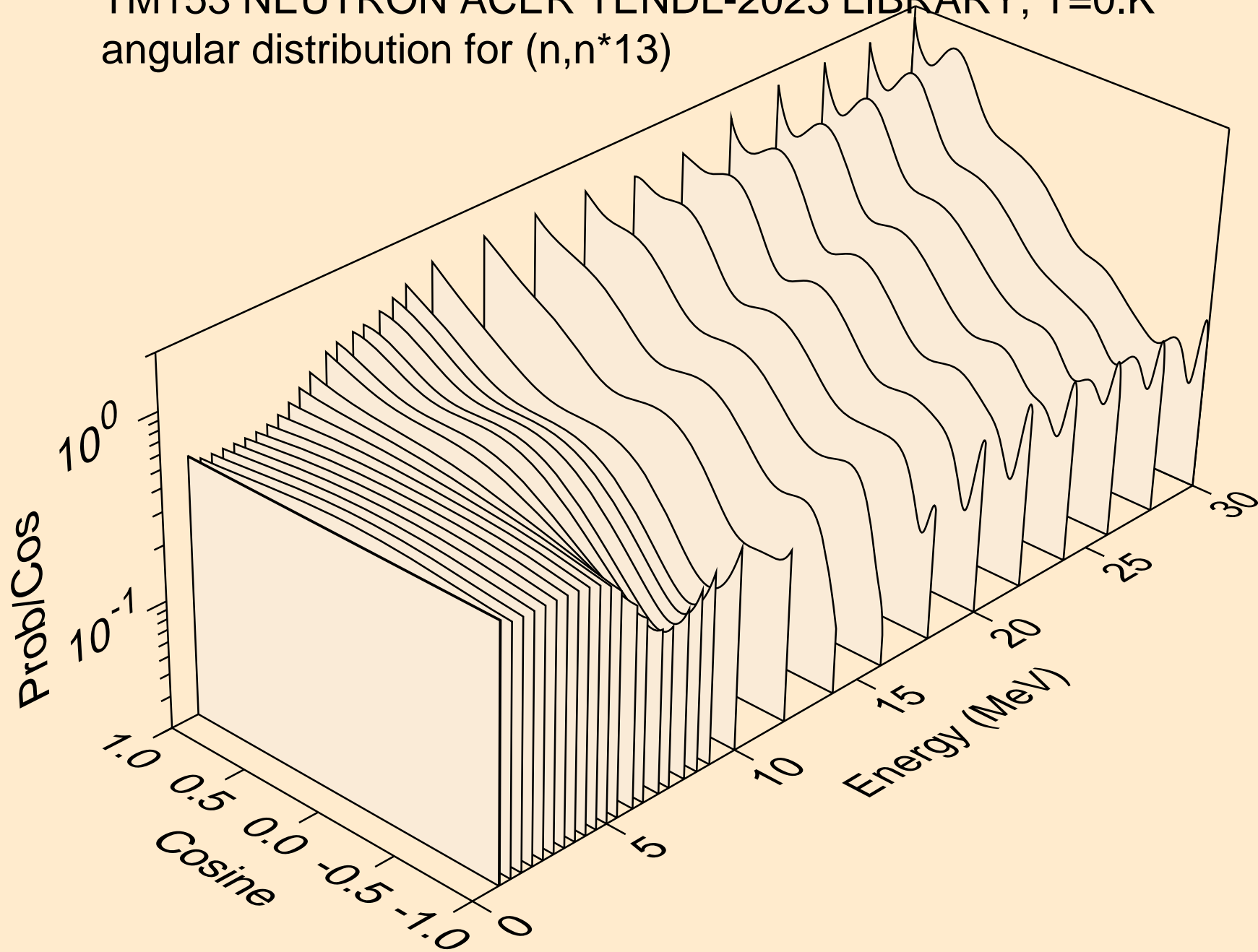
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*11)



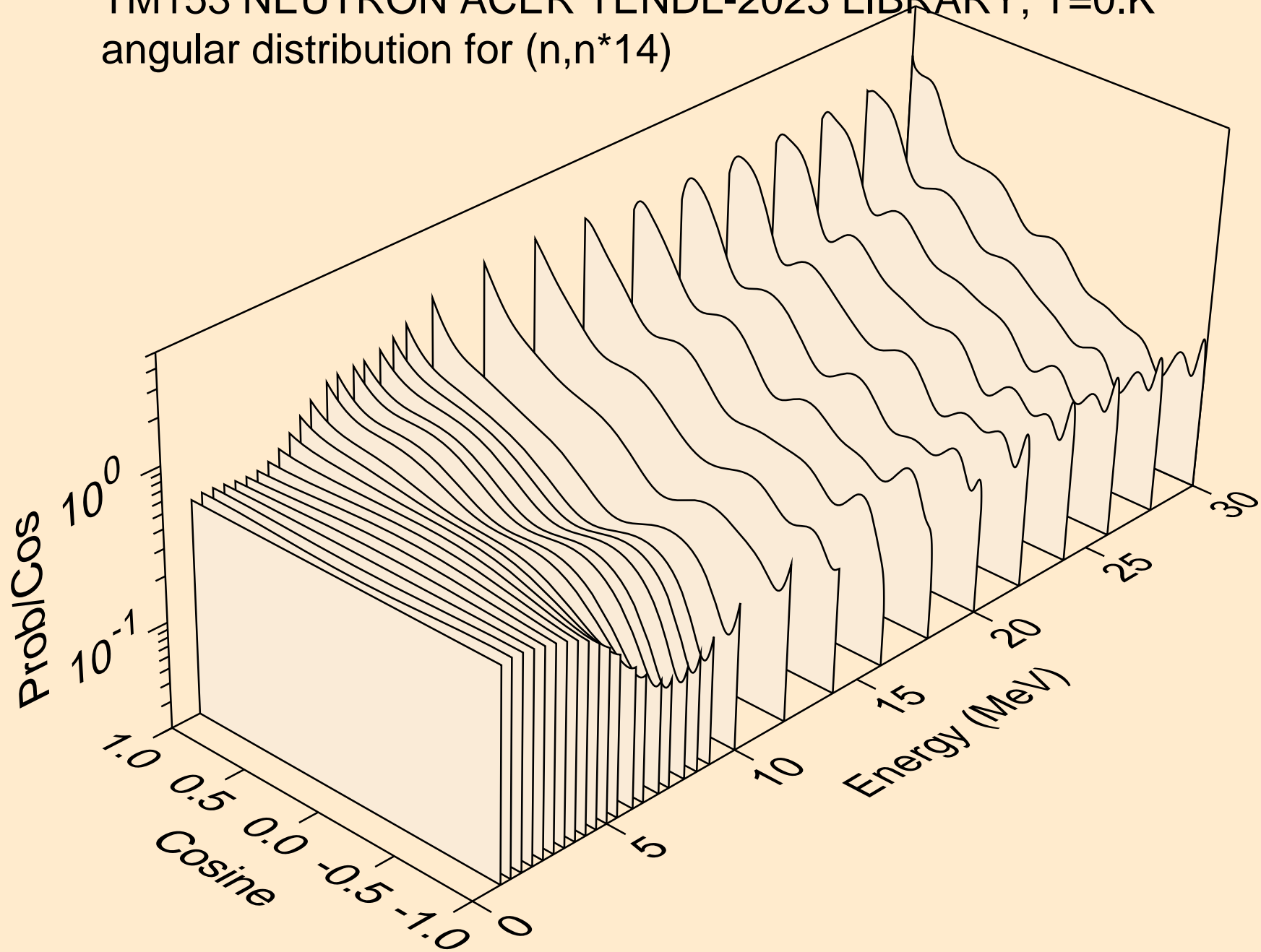
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*12)



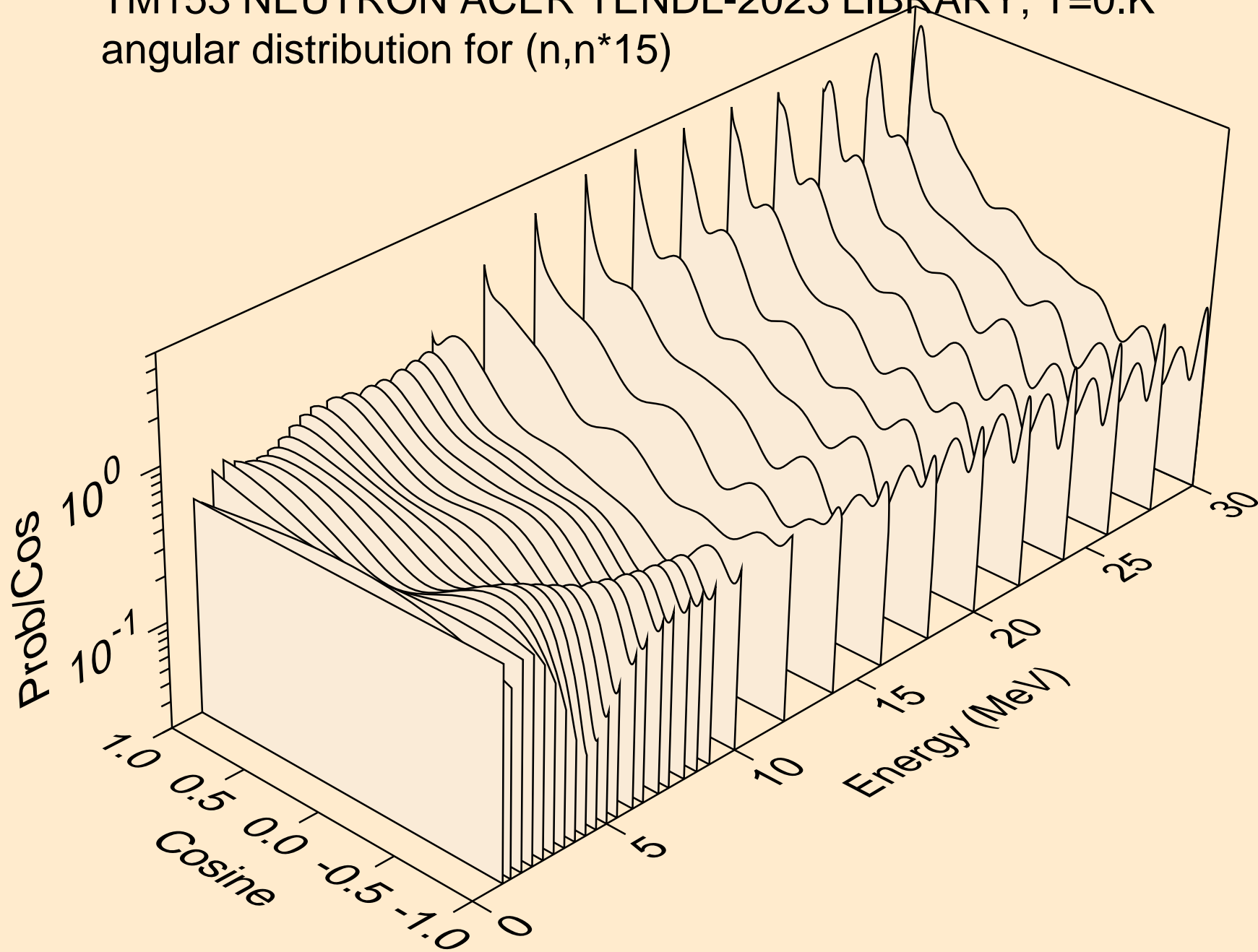
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*13)



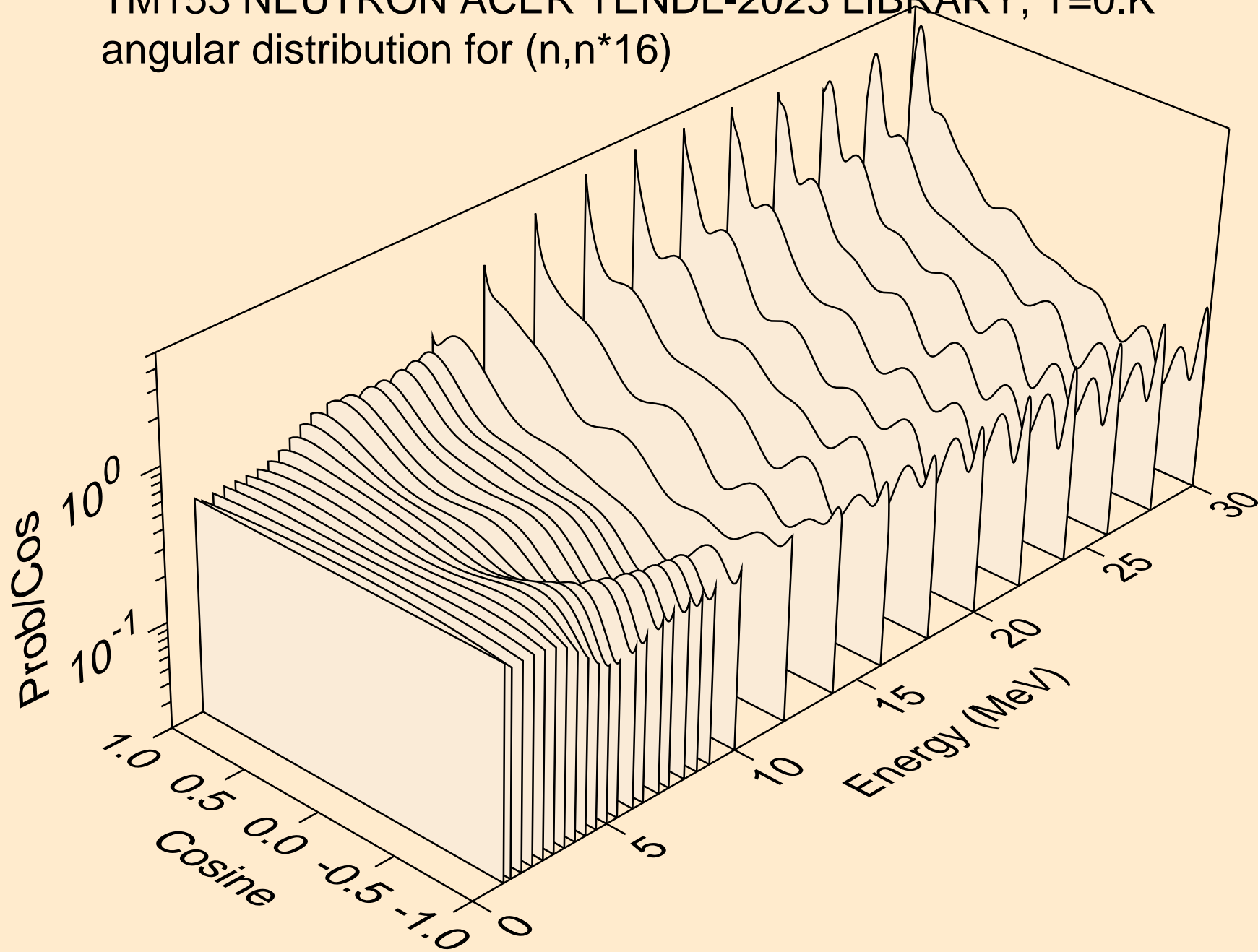
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angular distribution for (n,n\*14)



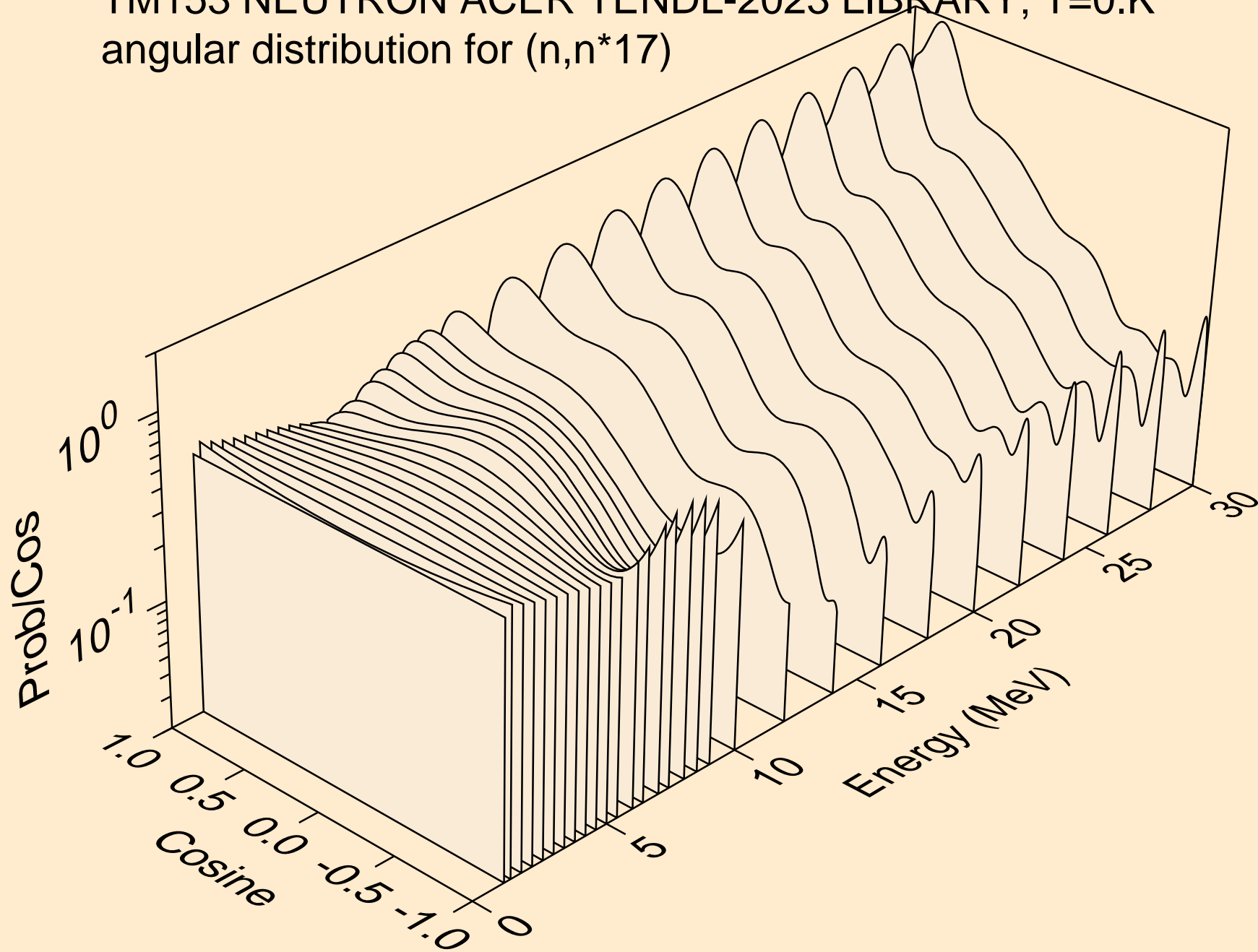
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angular distribution for (n,n\*15)



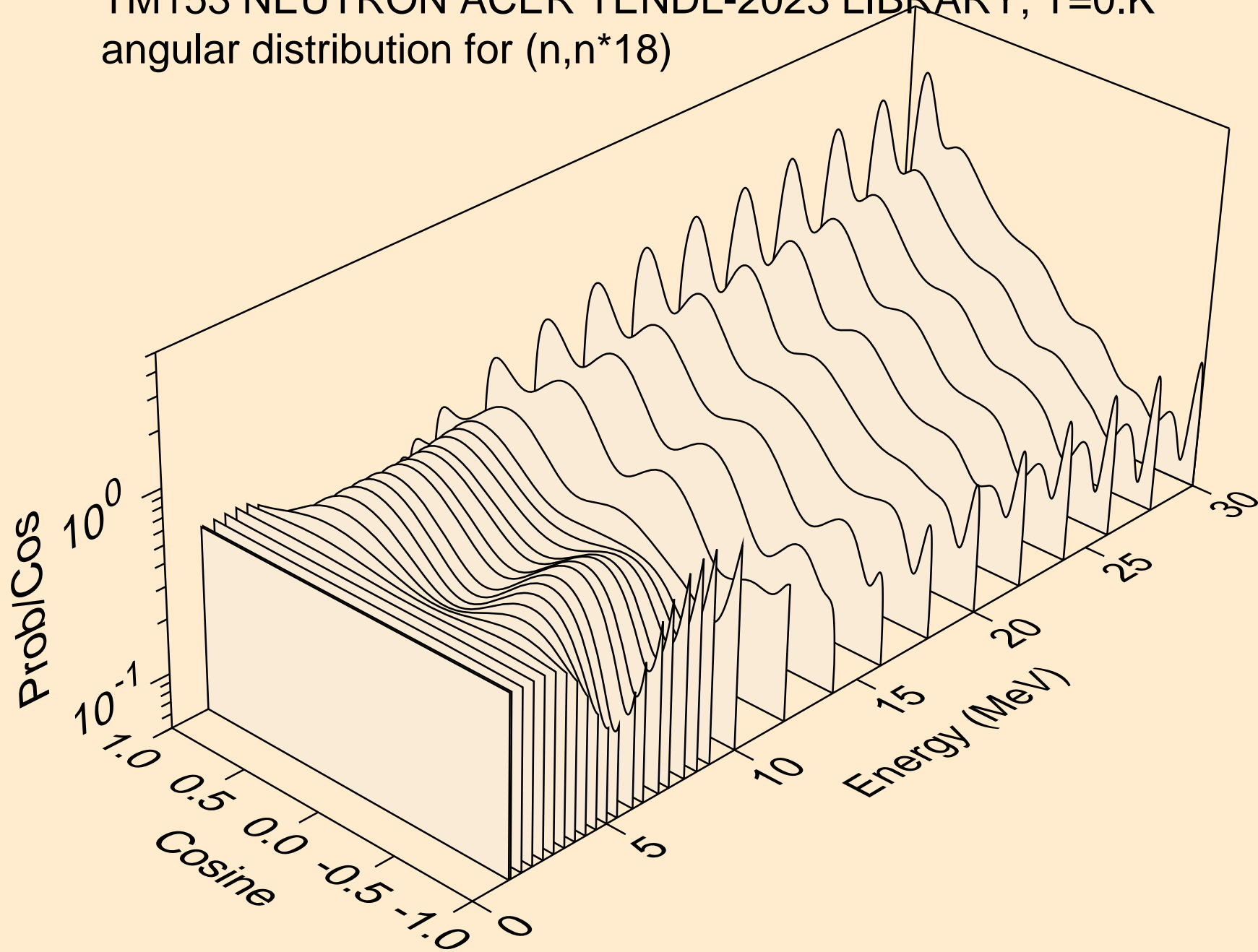
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*16)



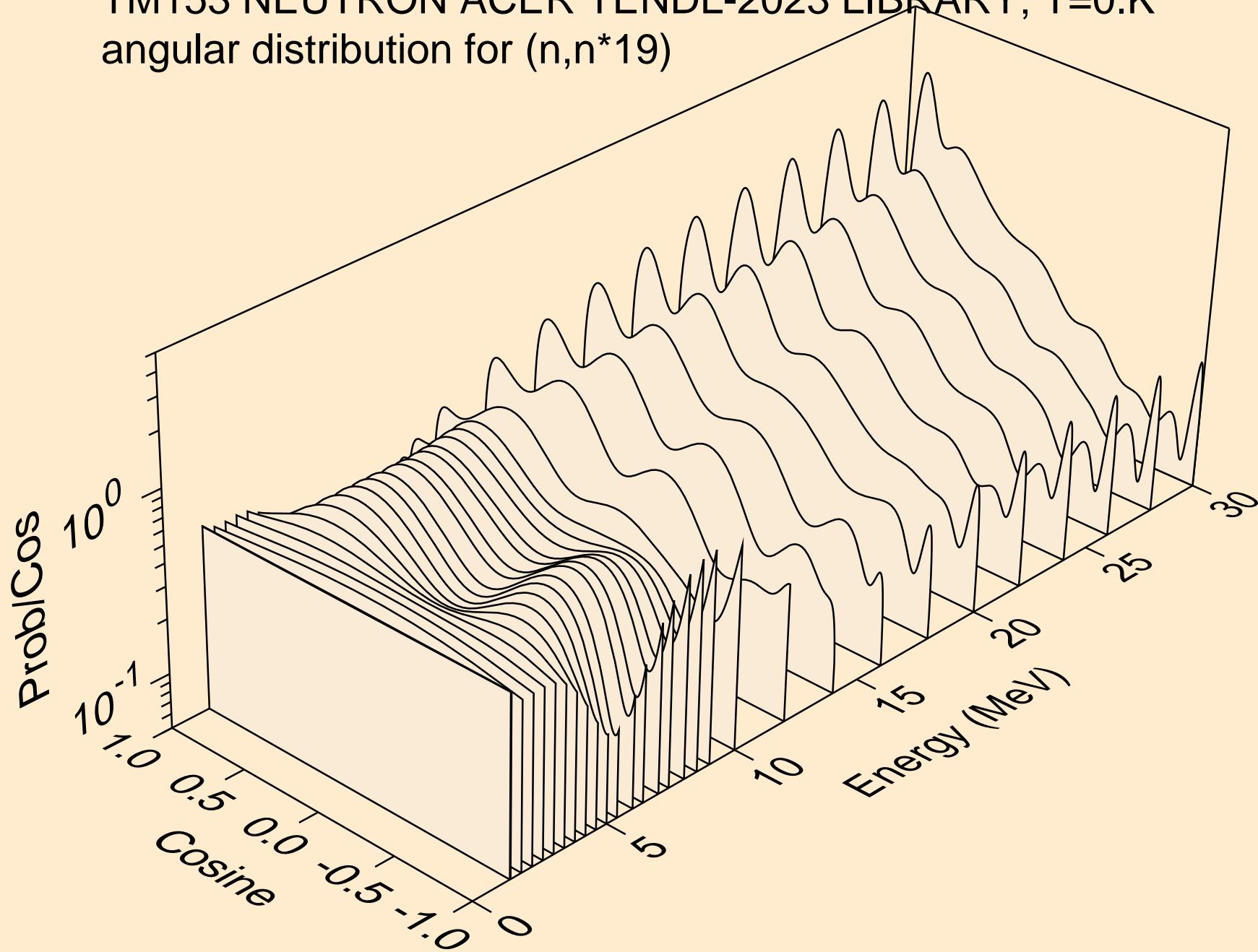
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*17)



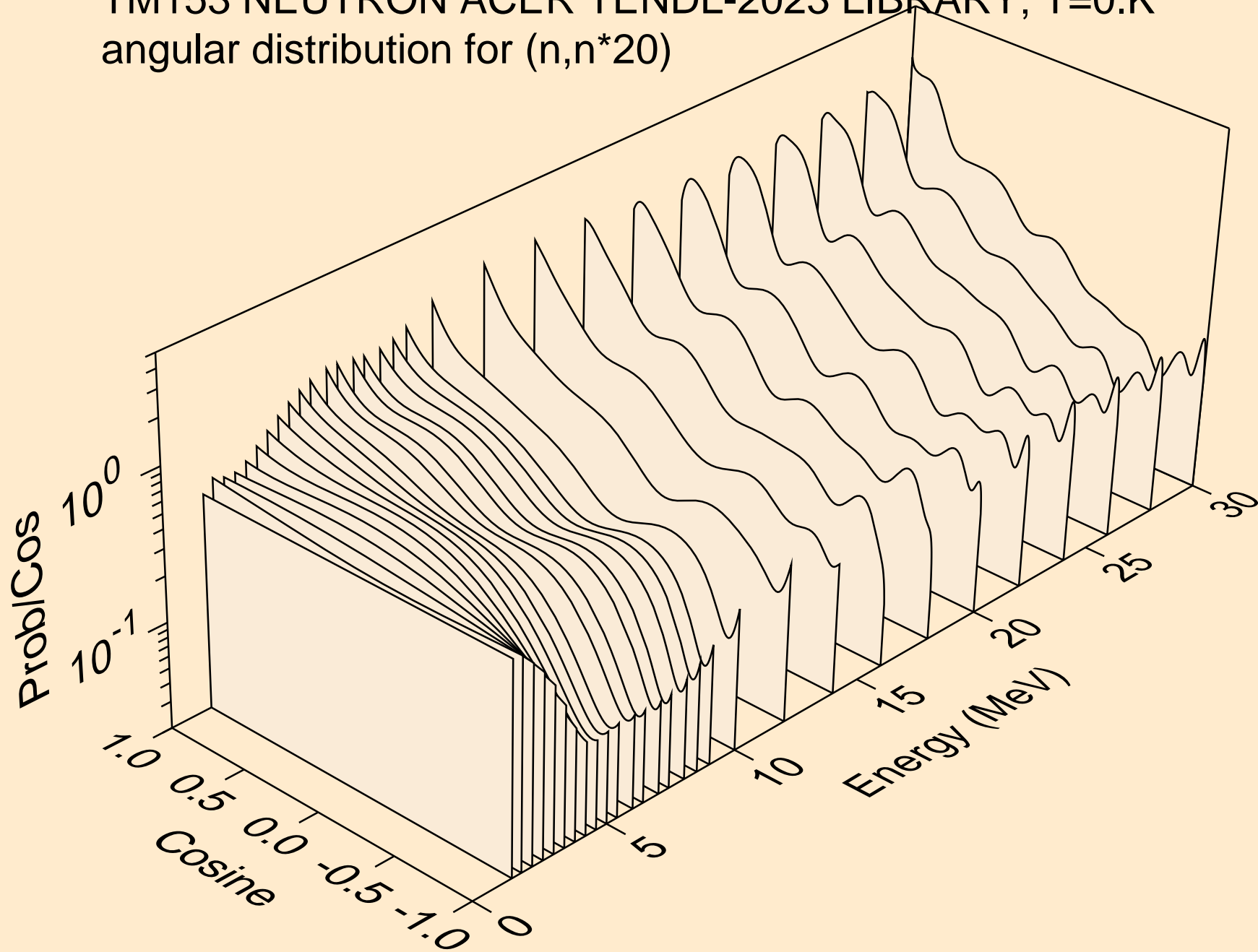
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*18)



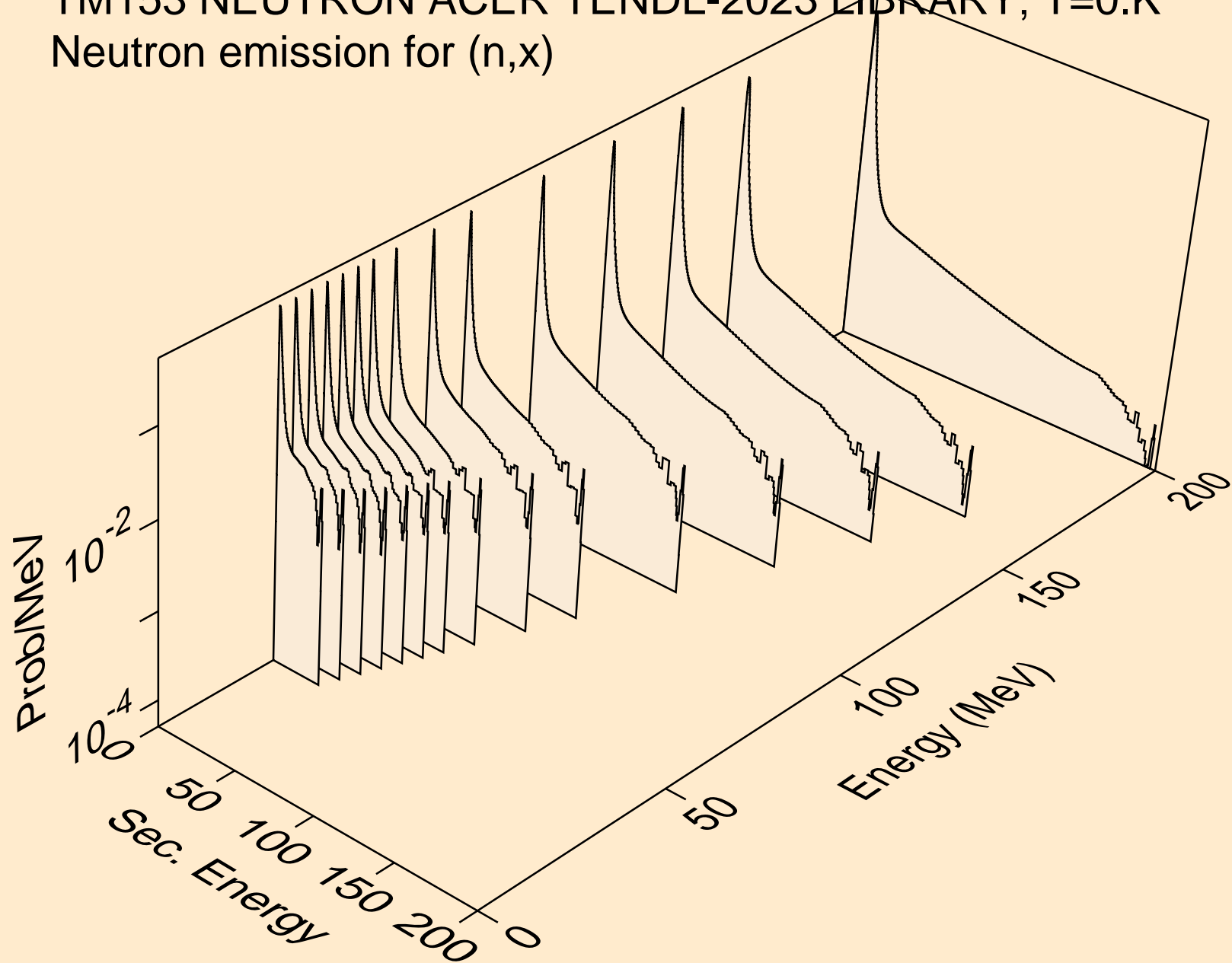
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*19)



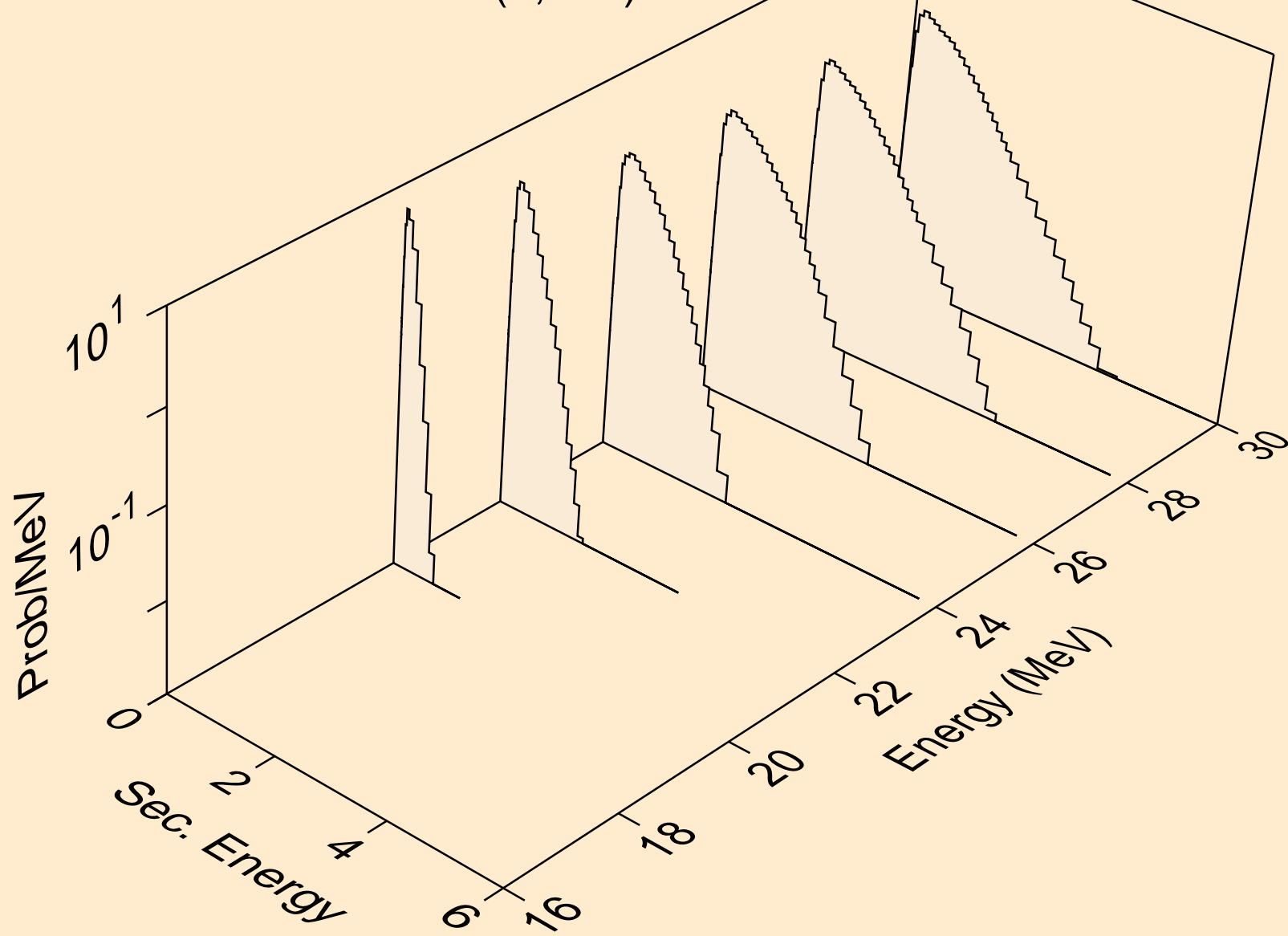
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*20)



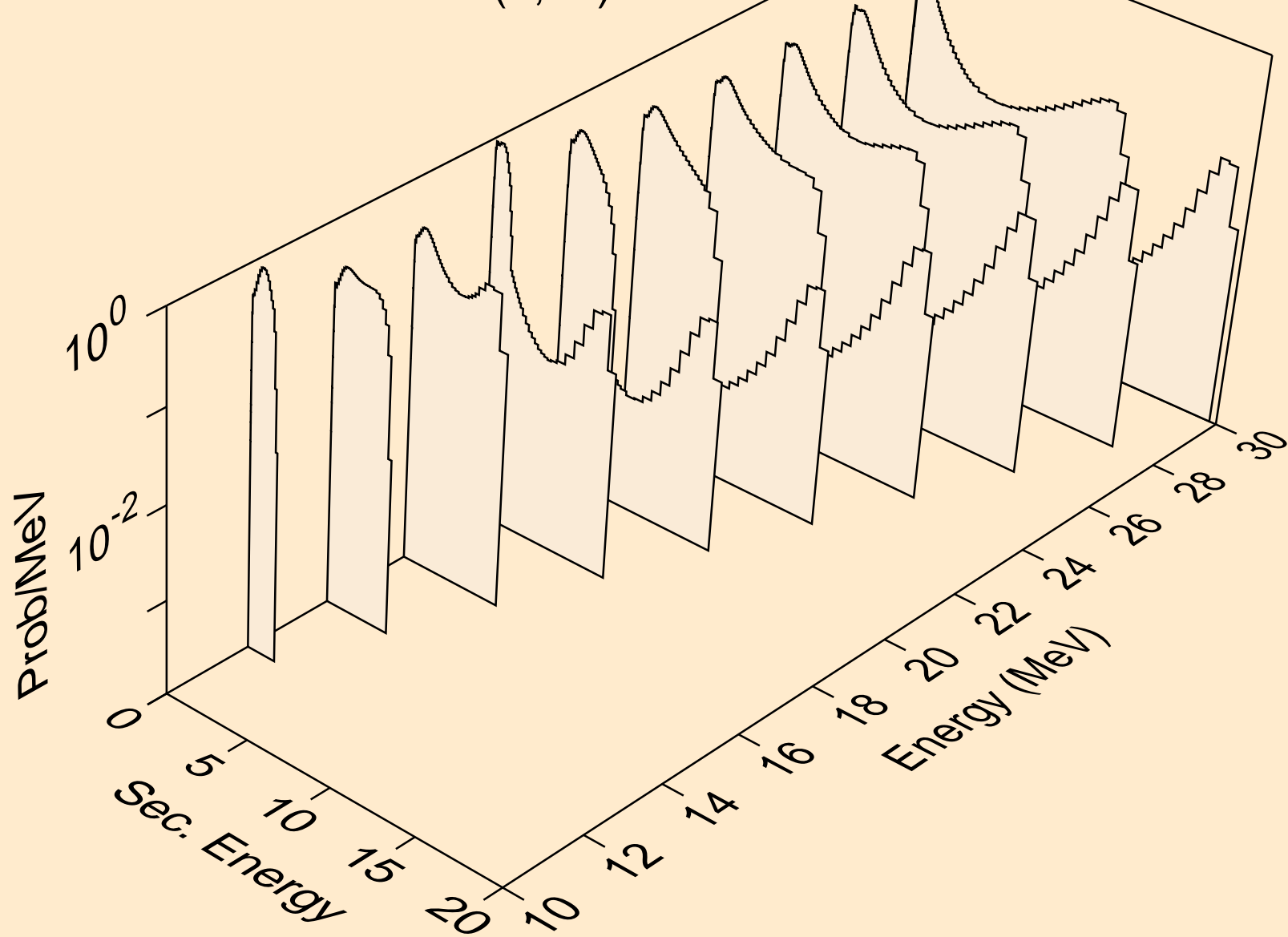
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,x)



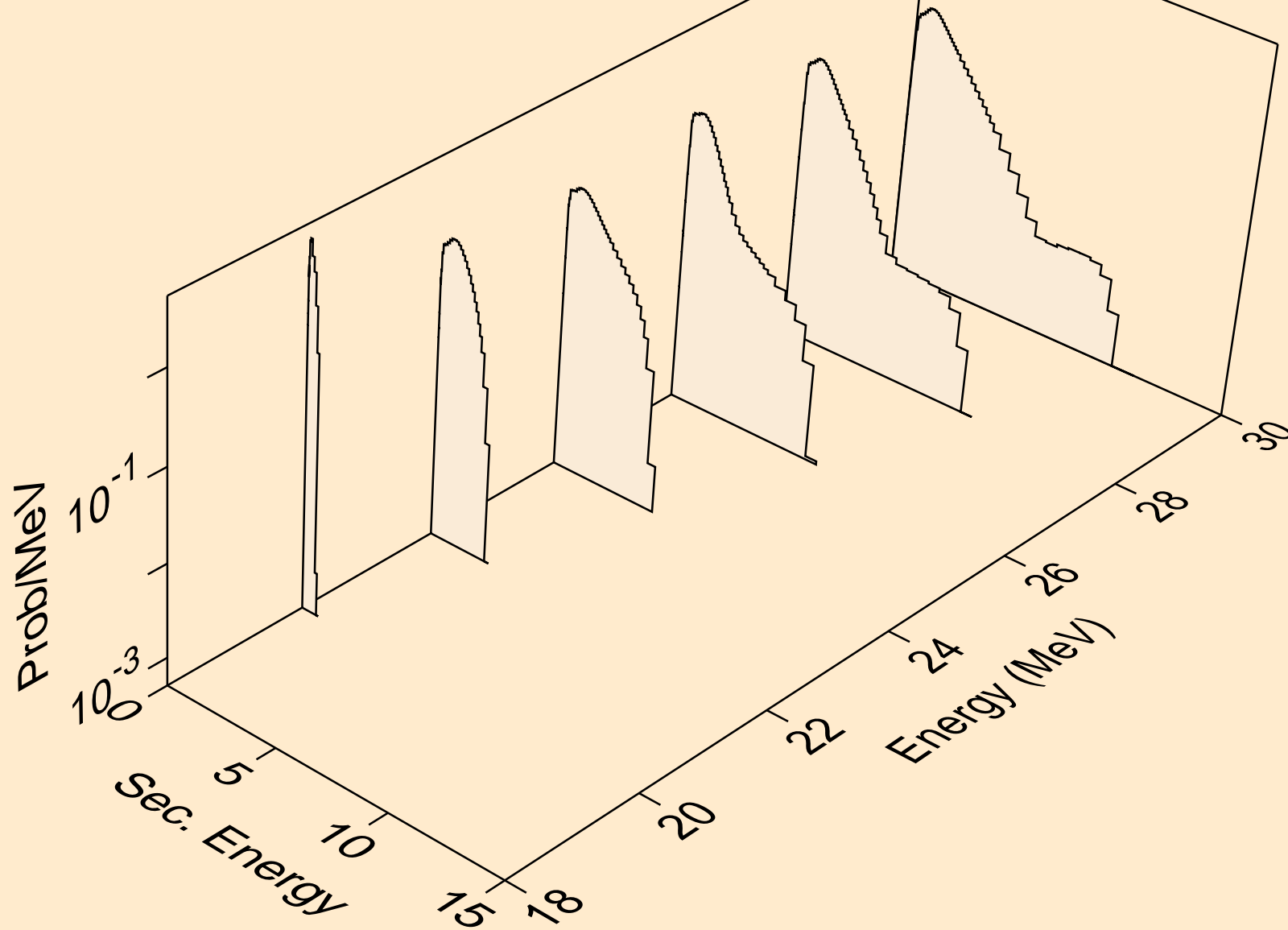
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



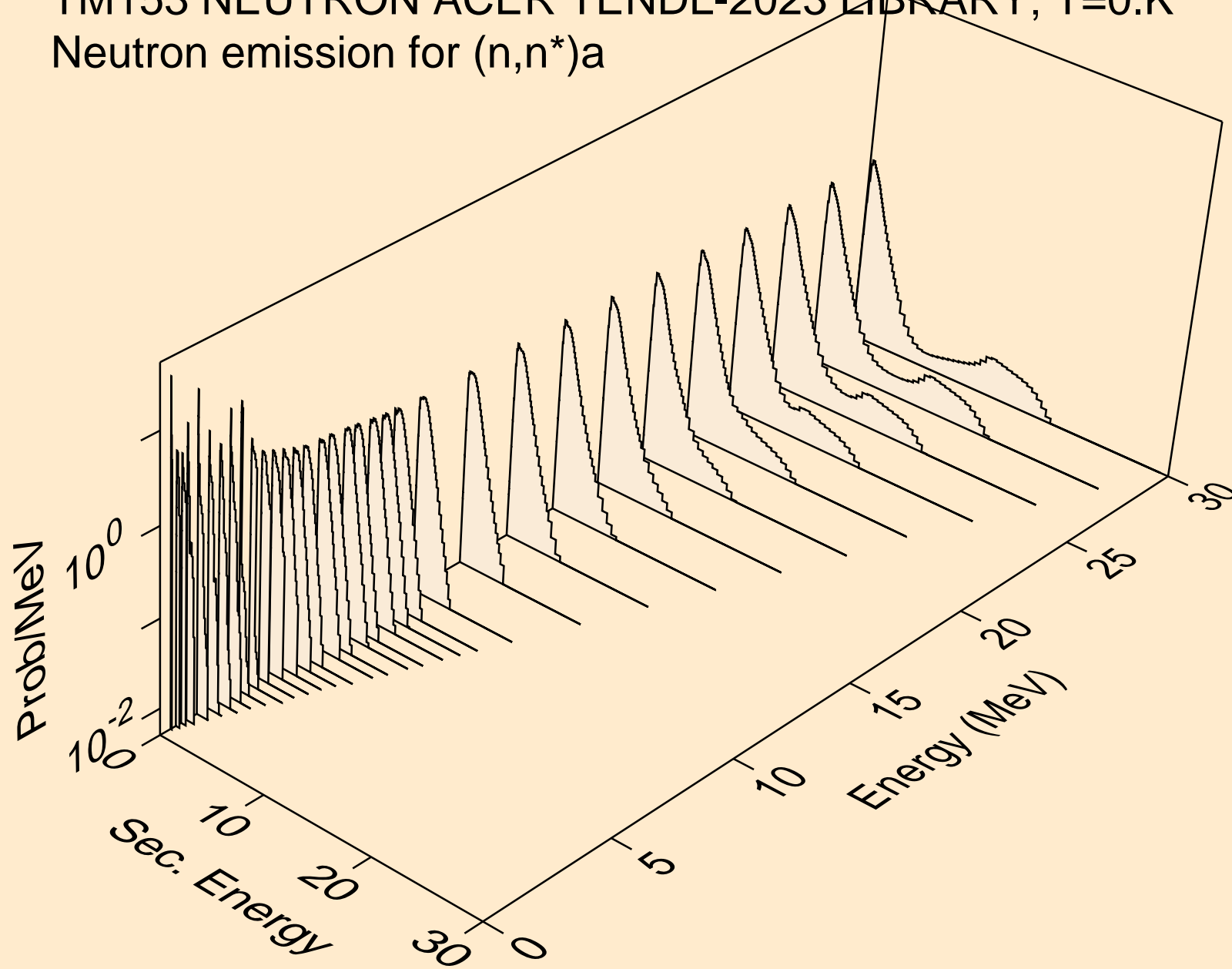
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)



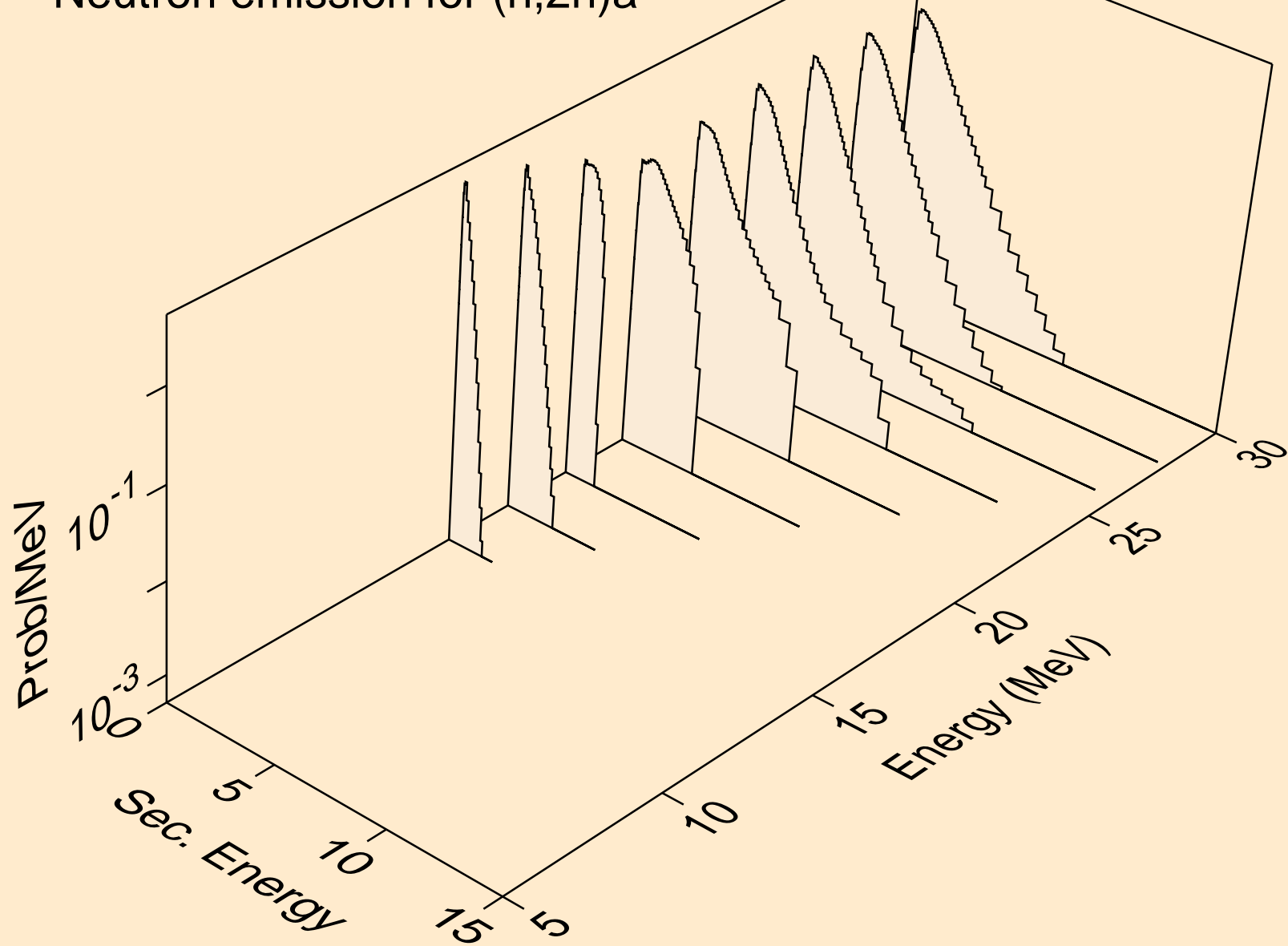
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)



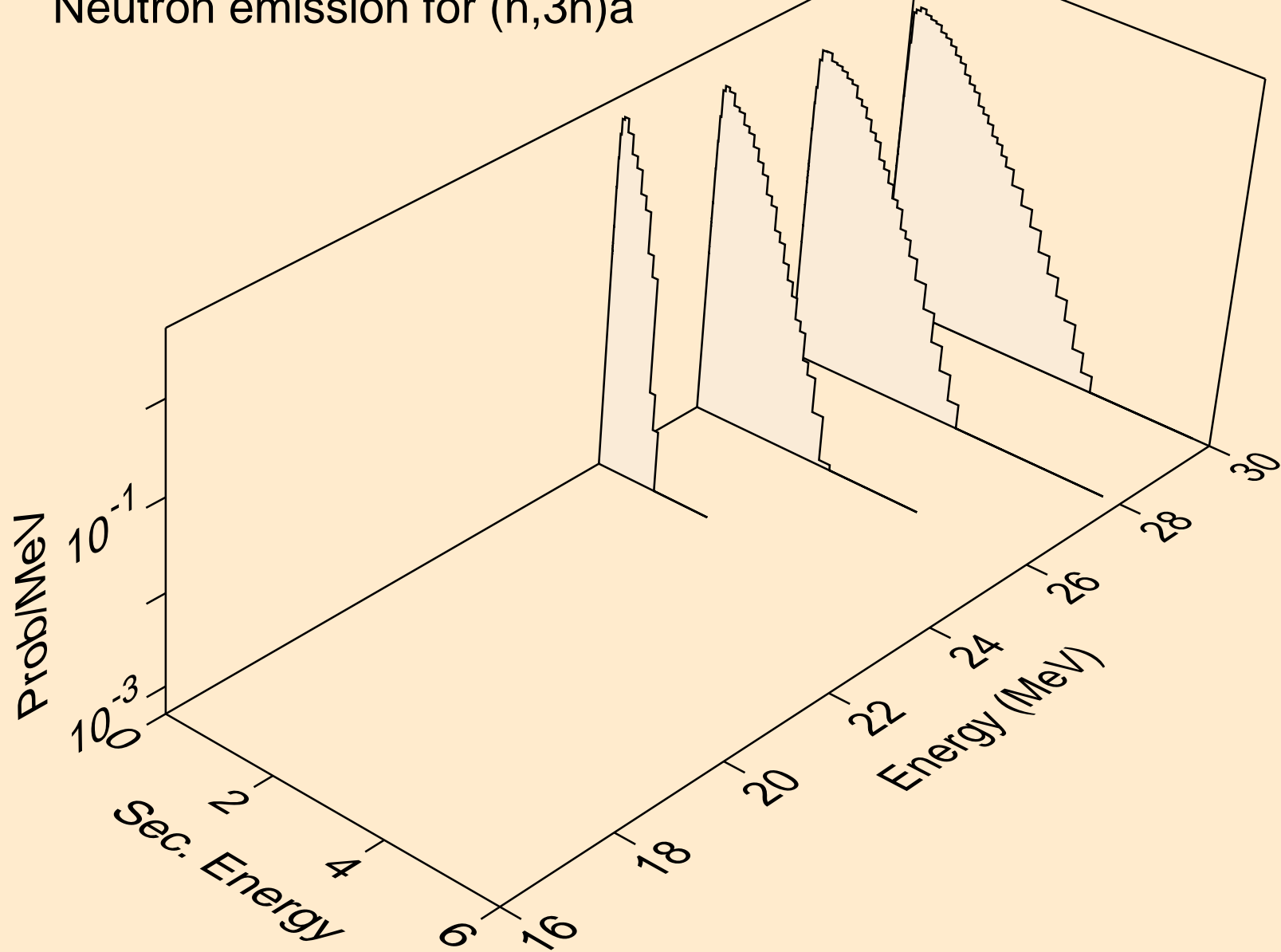
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



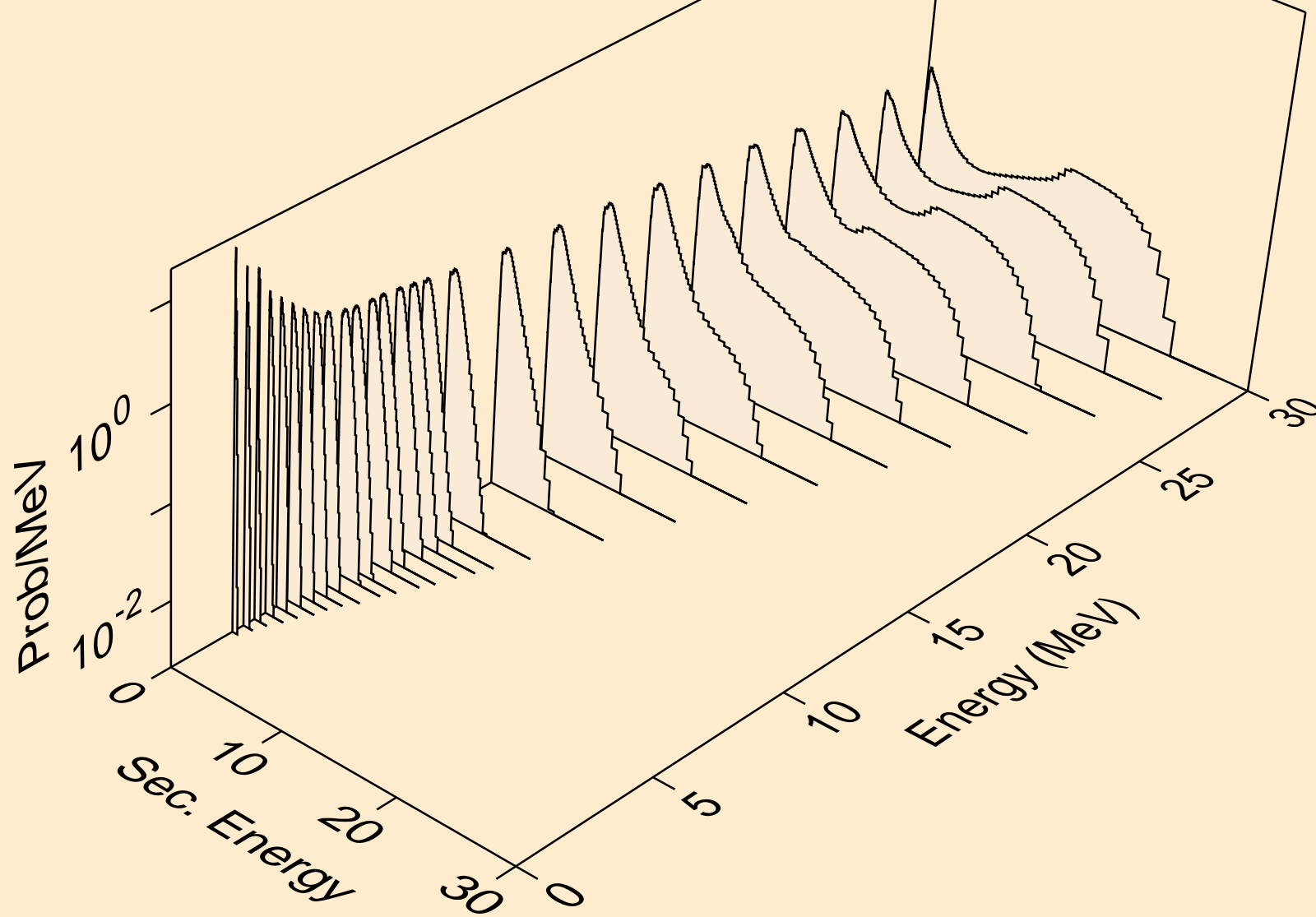
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)a



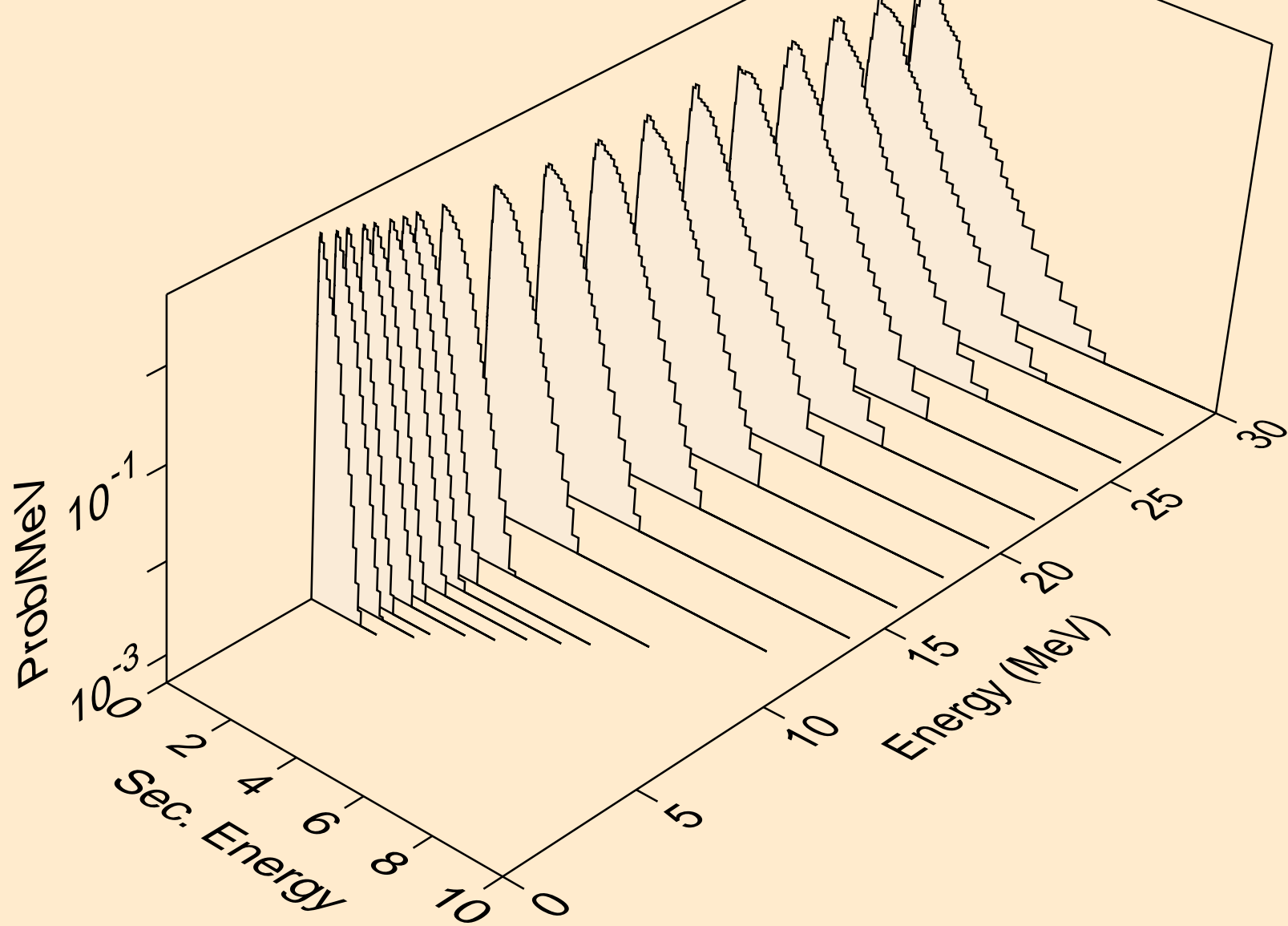
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)a



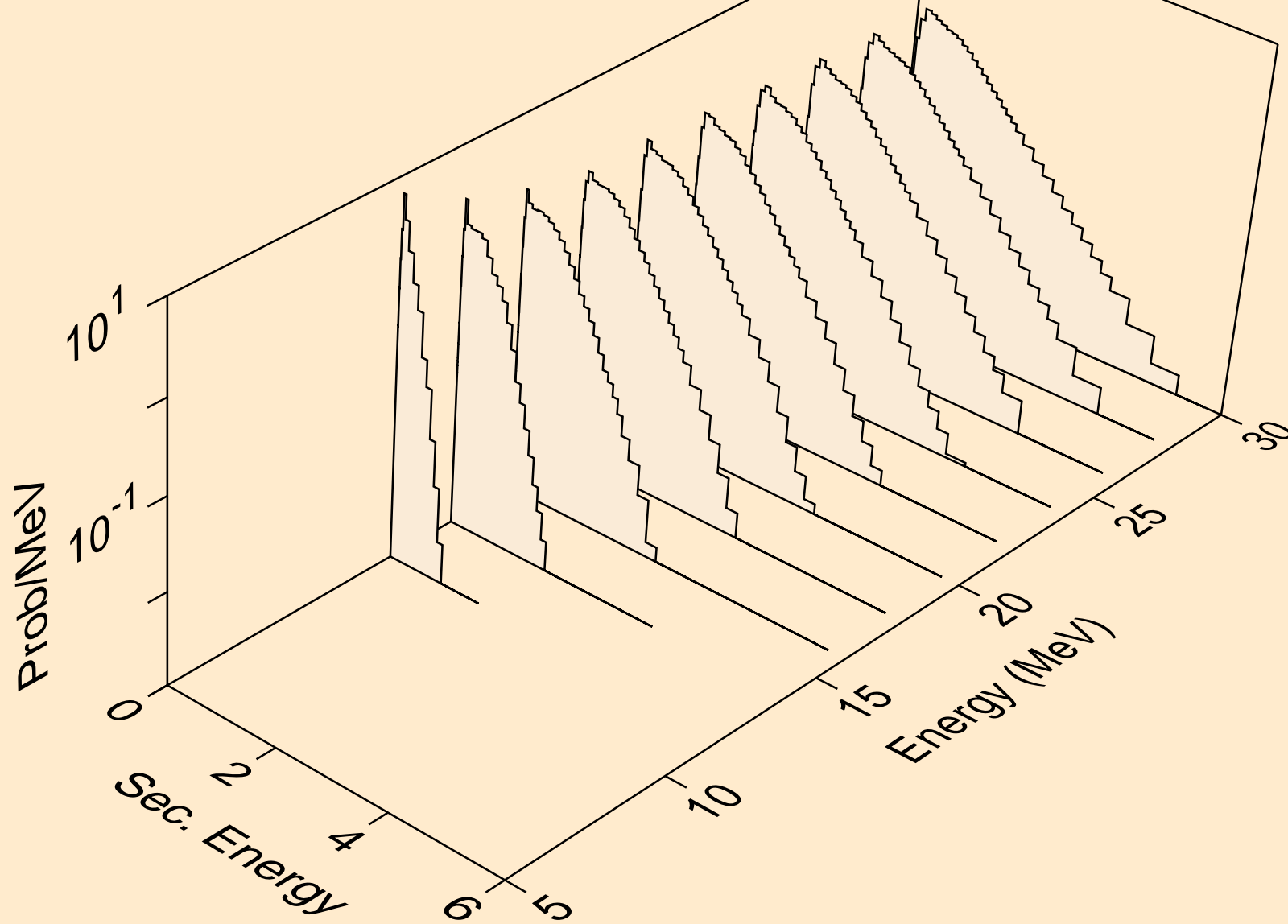
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



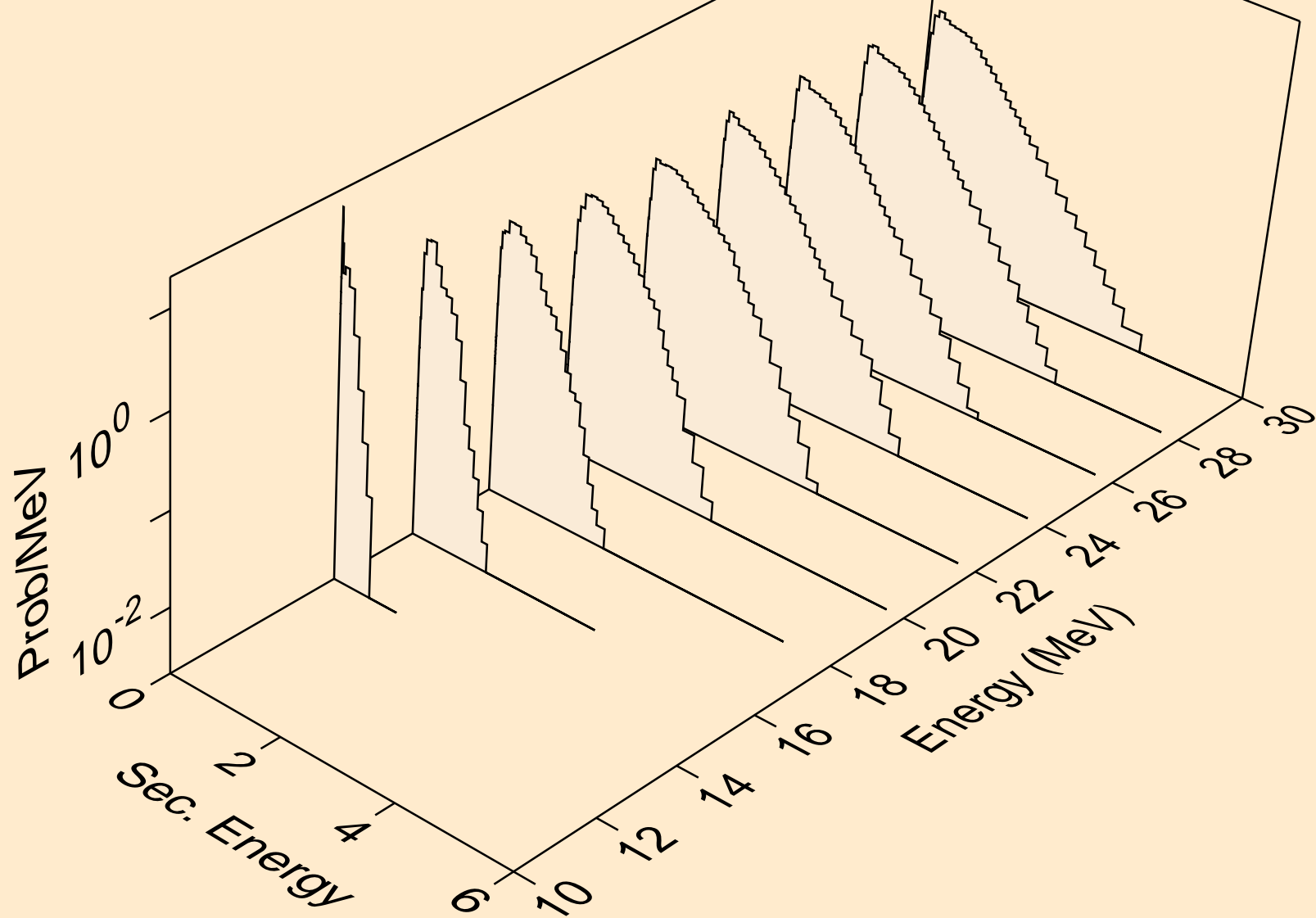
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)2a



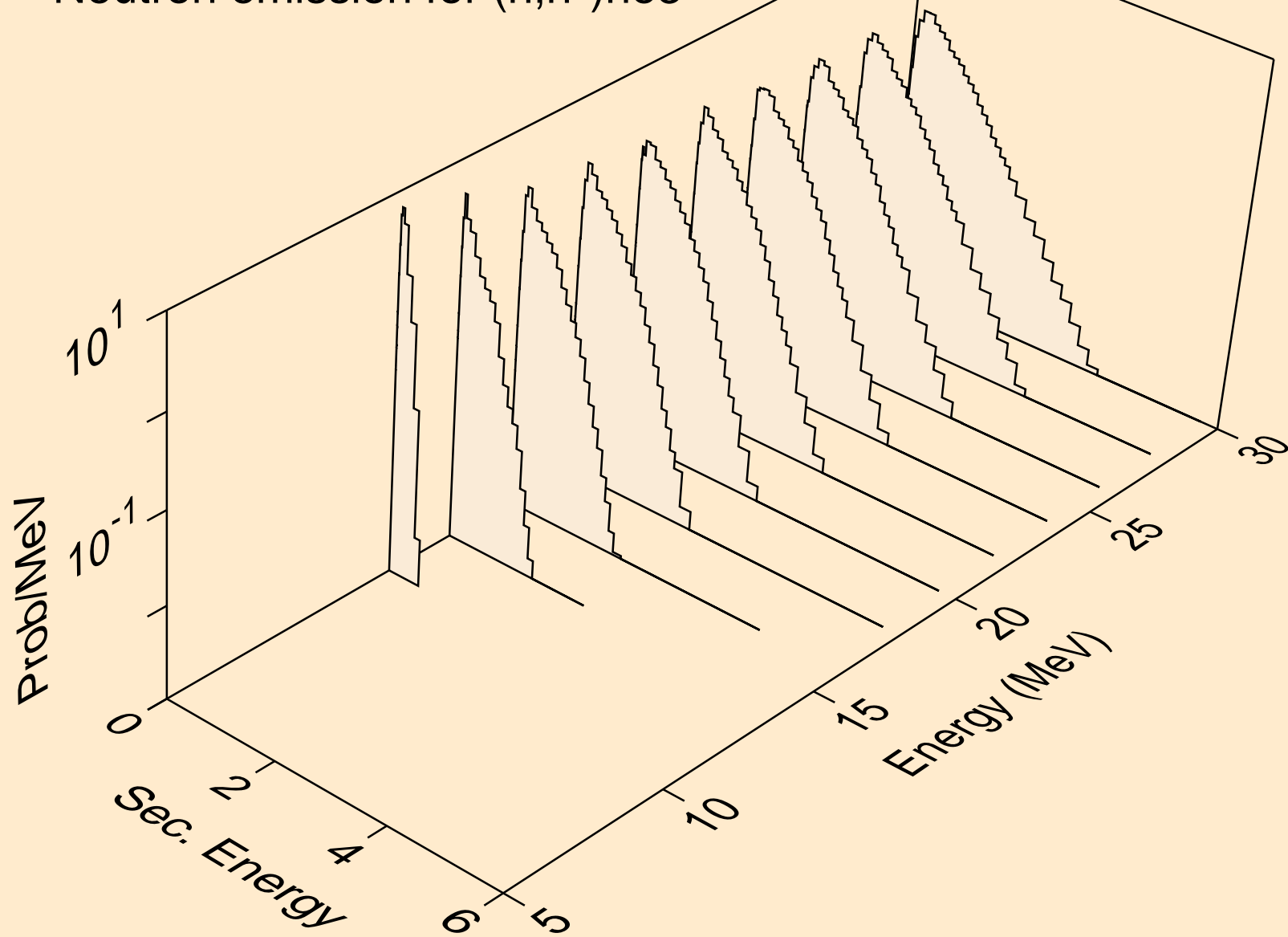
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d



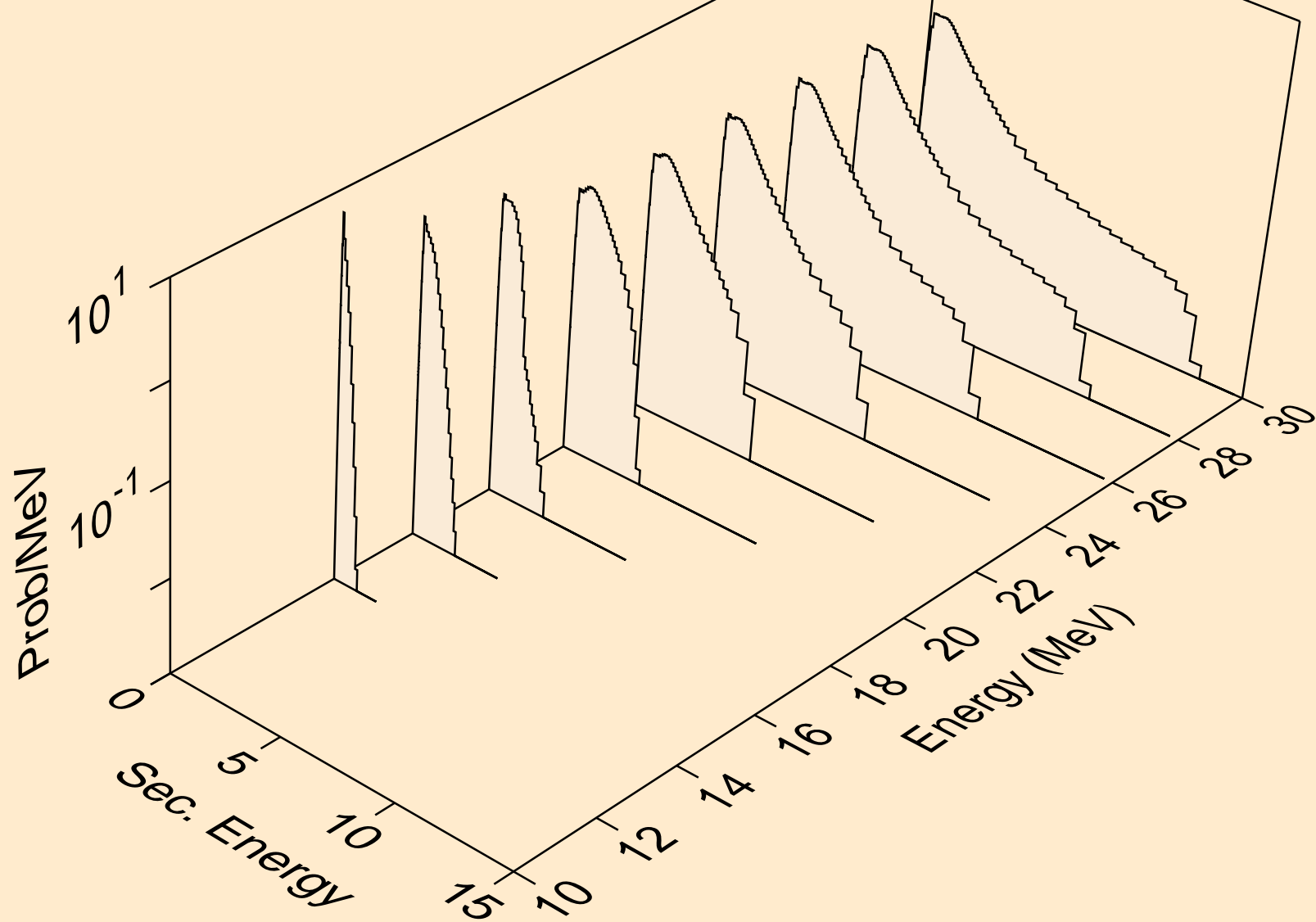
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Neutron emission for (n,n\*)t



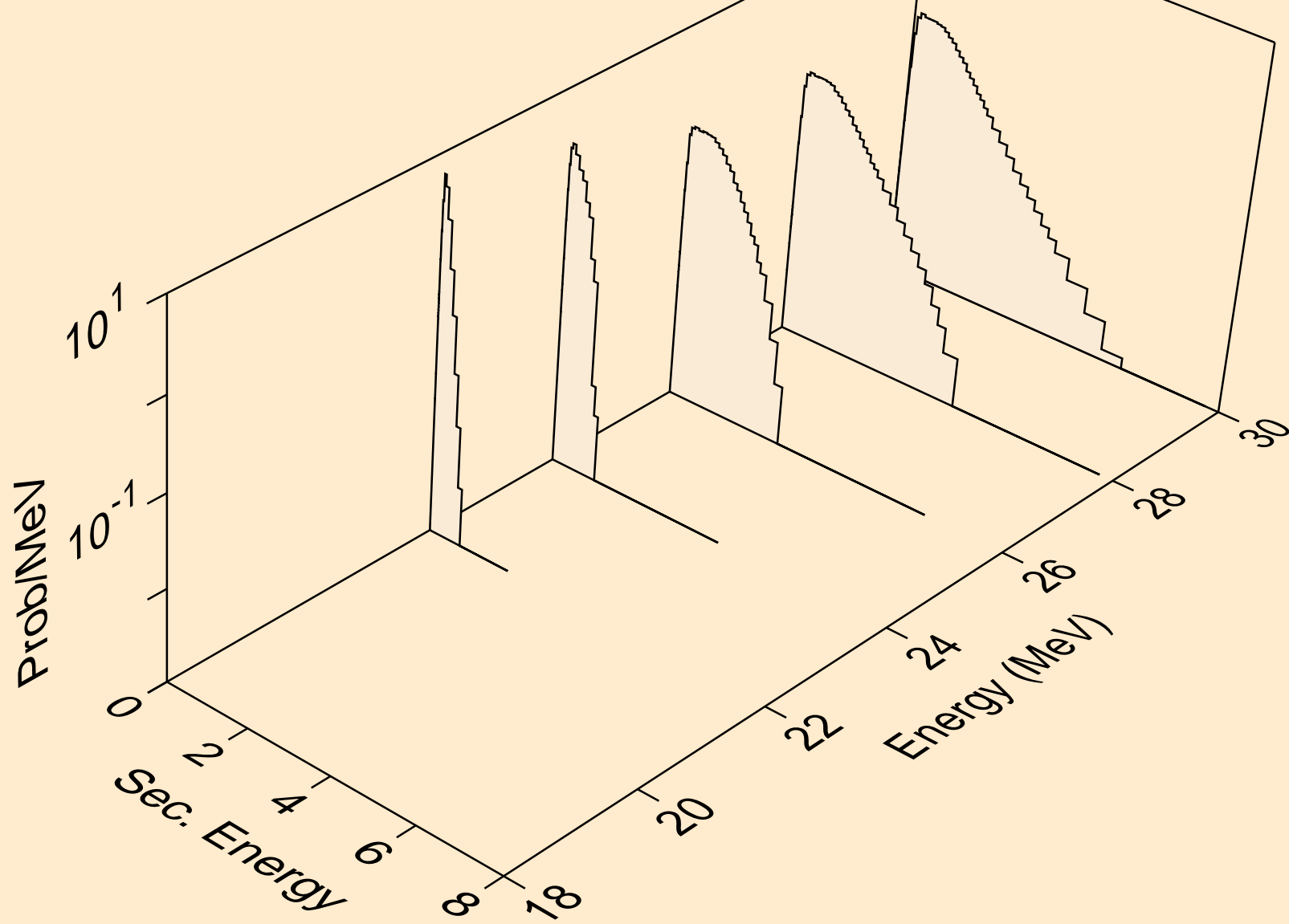
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



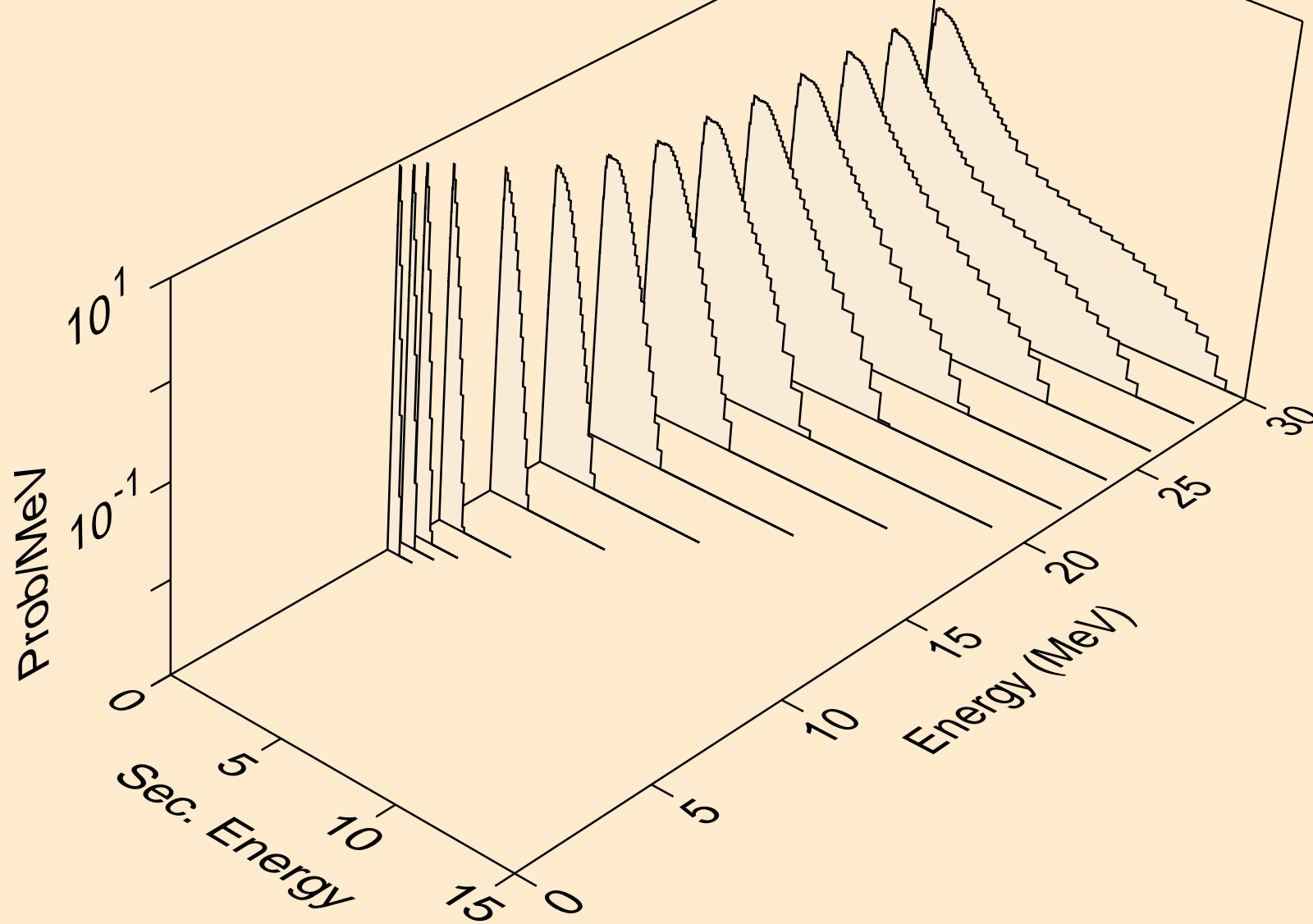
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2np)



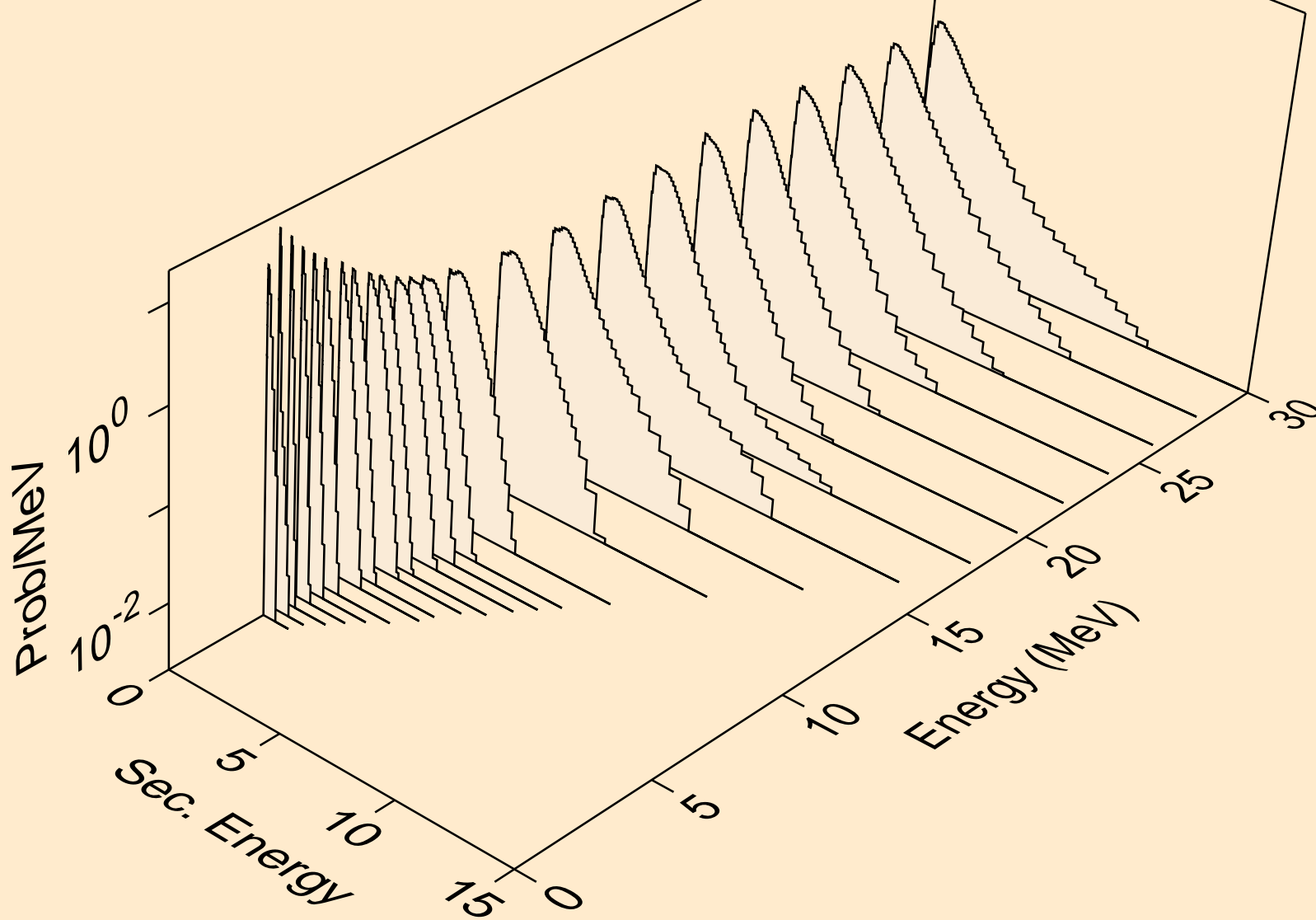
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Neutron emission for (n,3np)



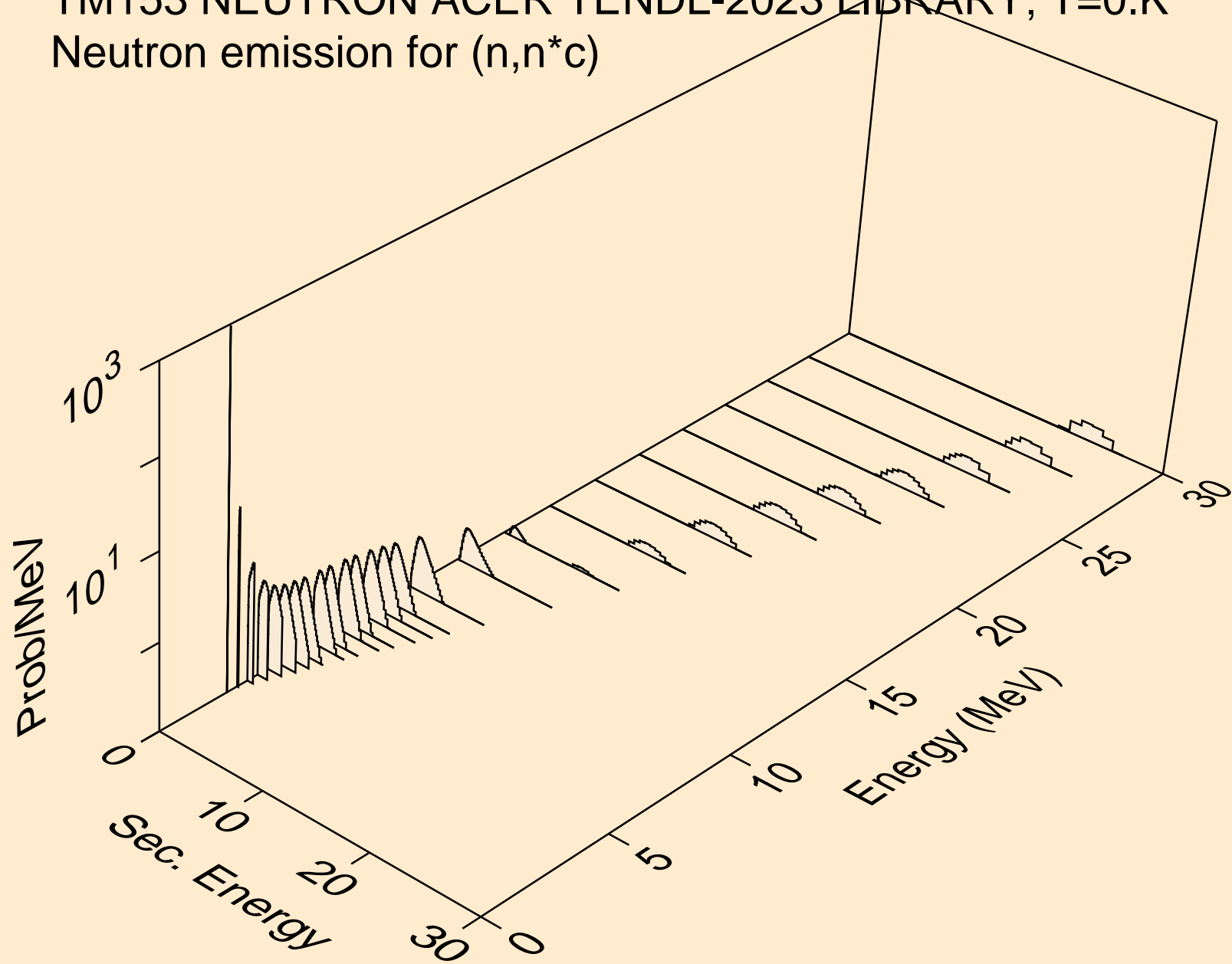
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n2p)



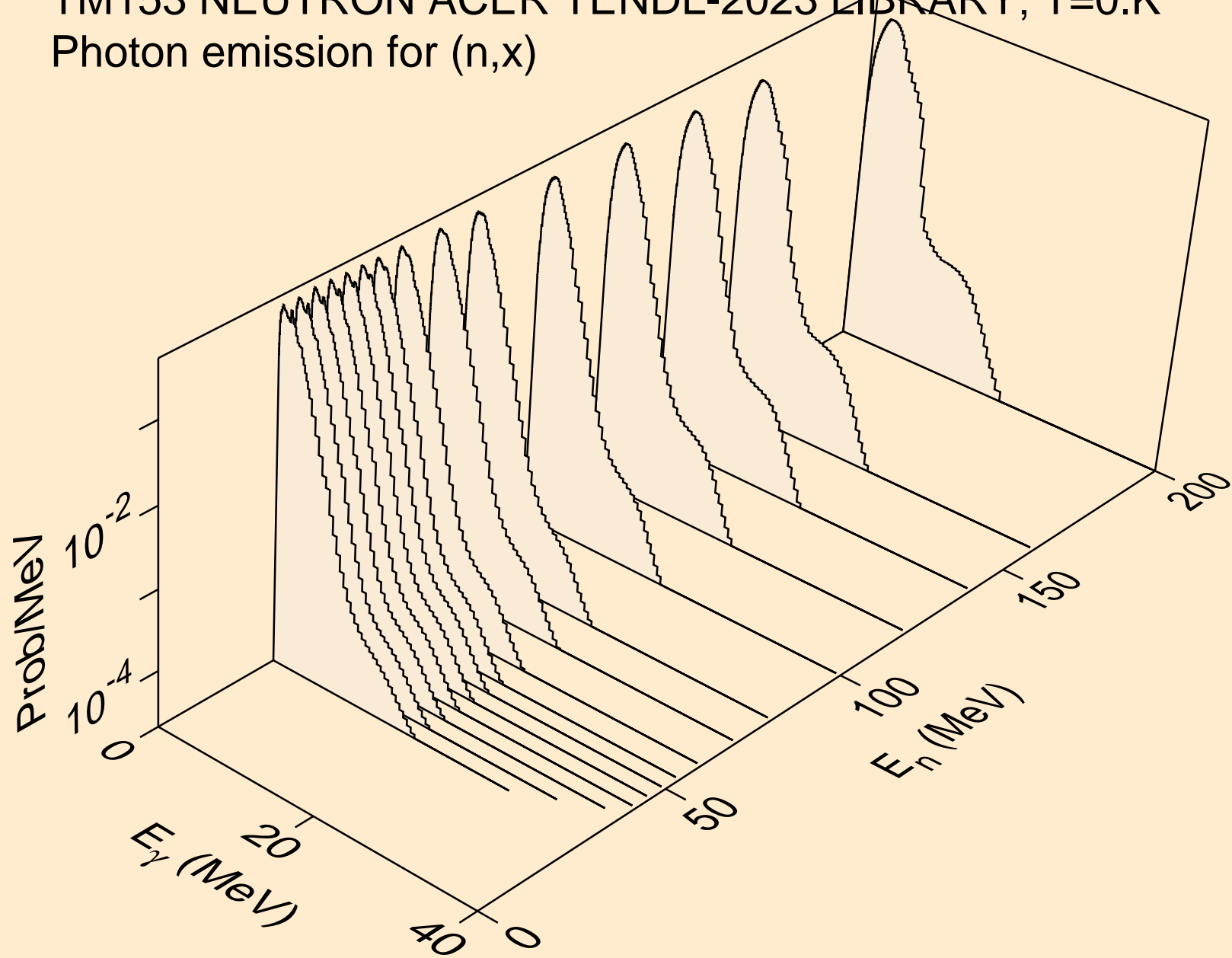
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,npa)



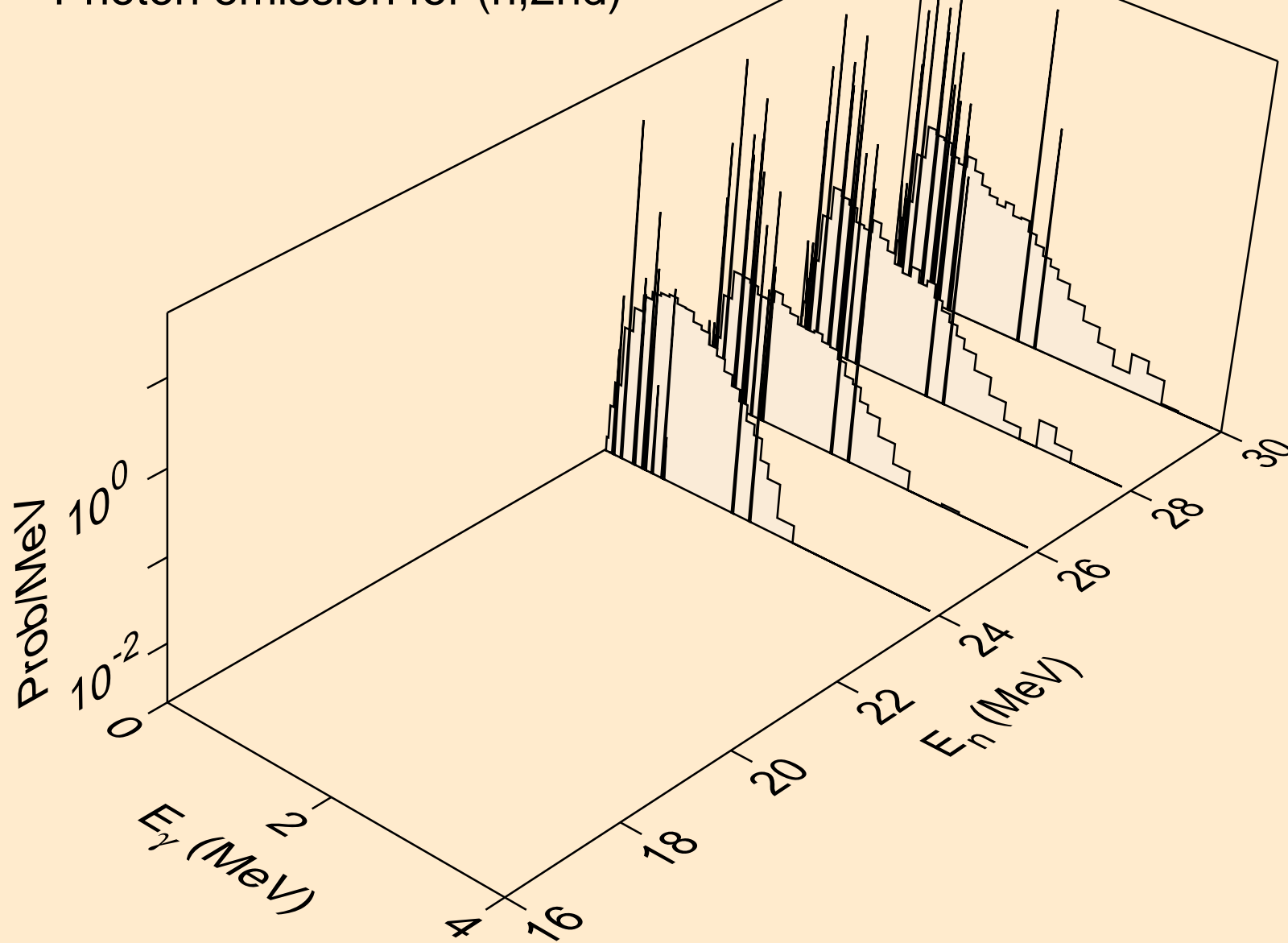
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)



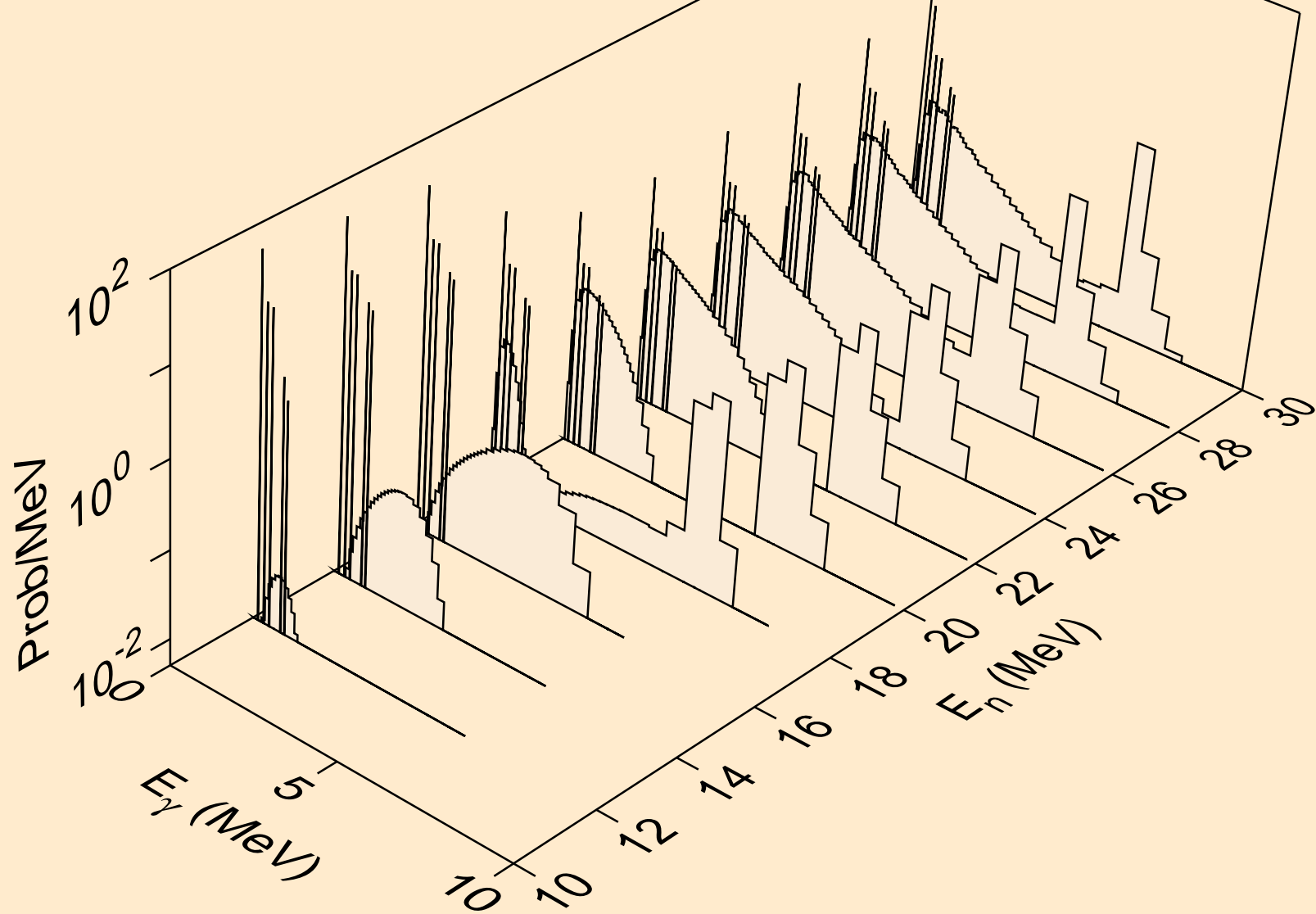
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,x)



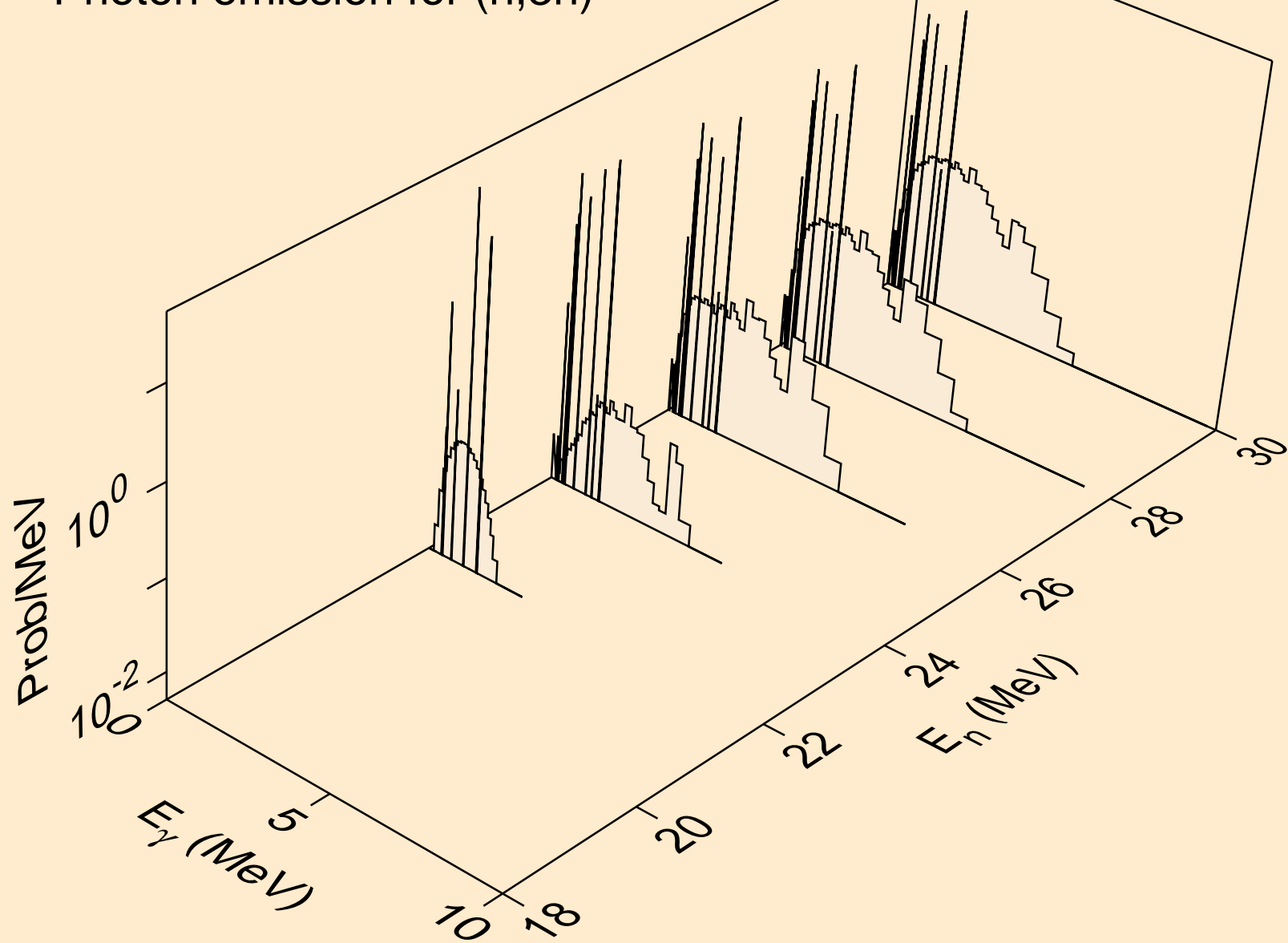
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



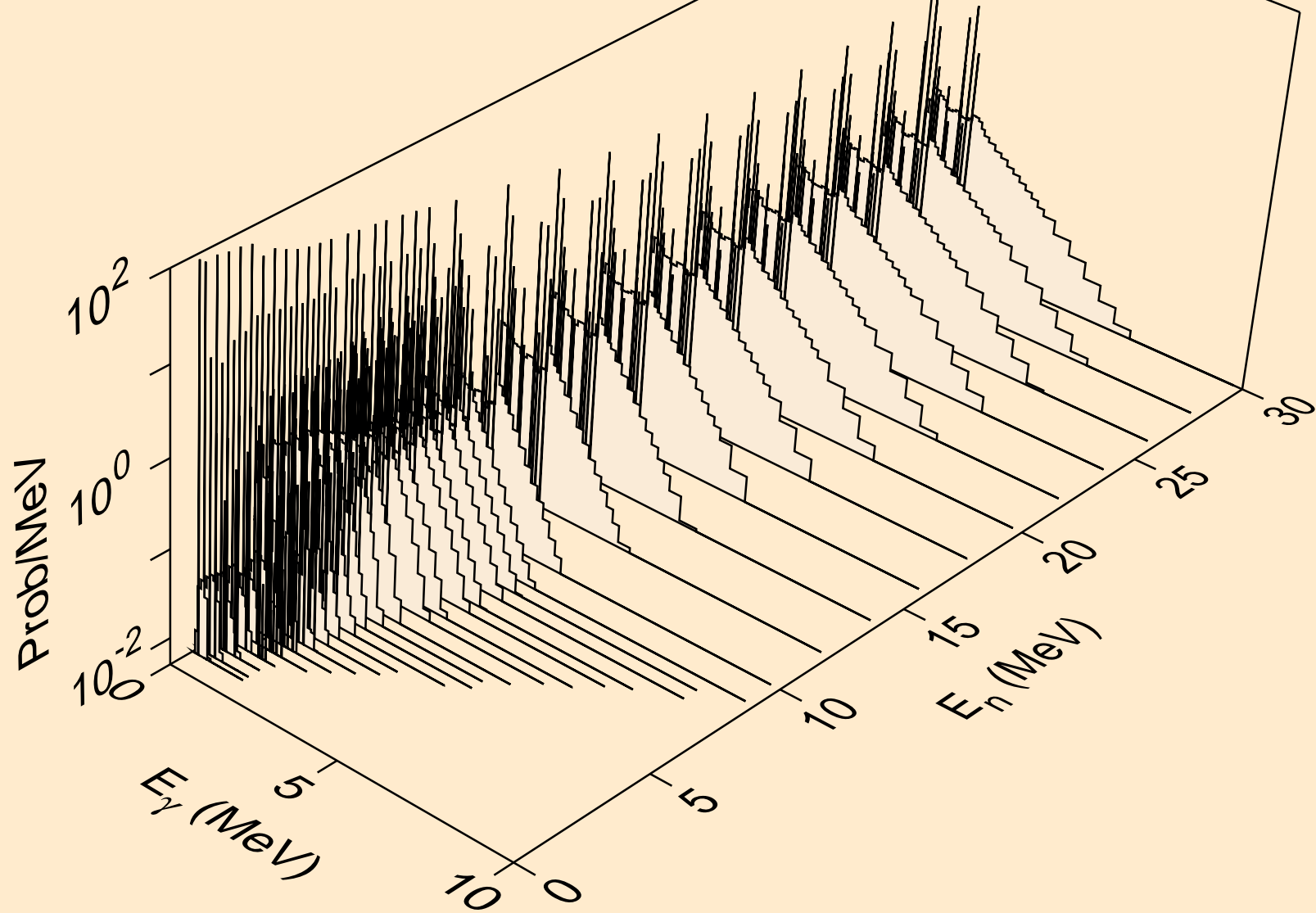
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



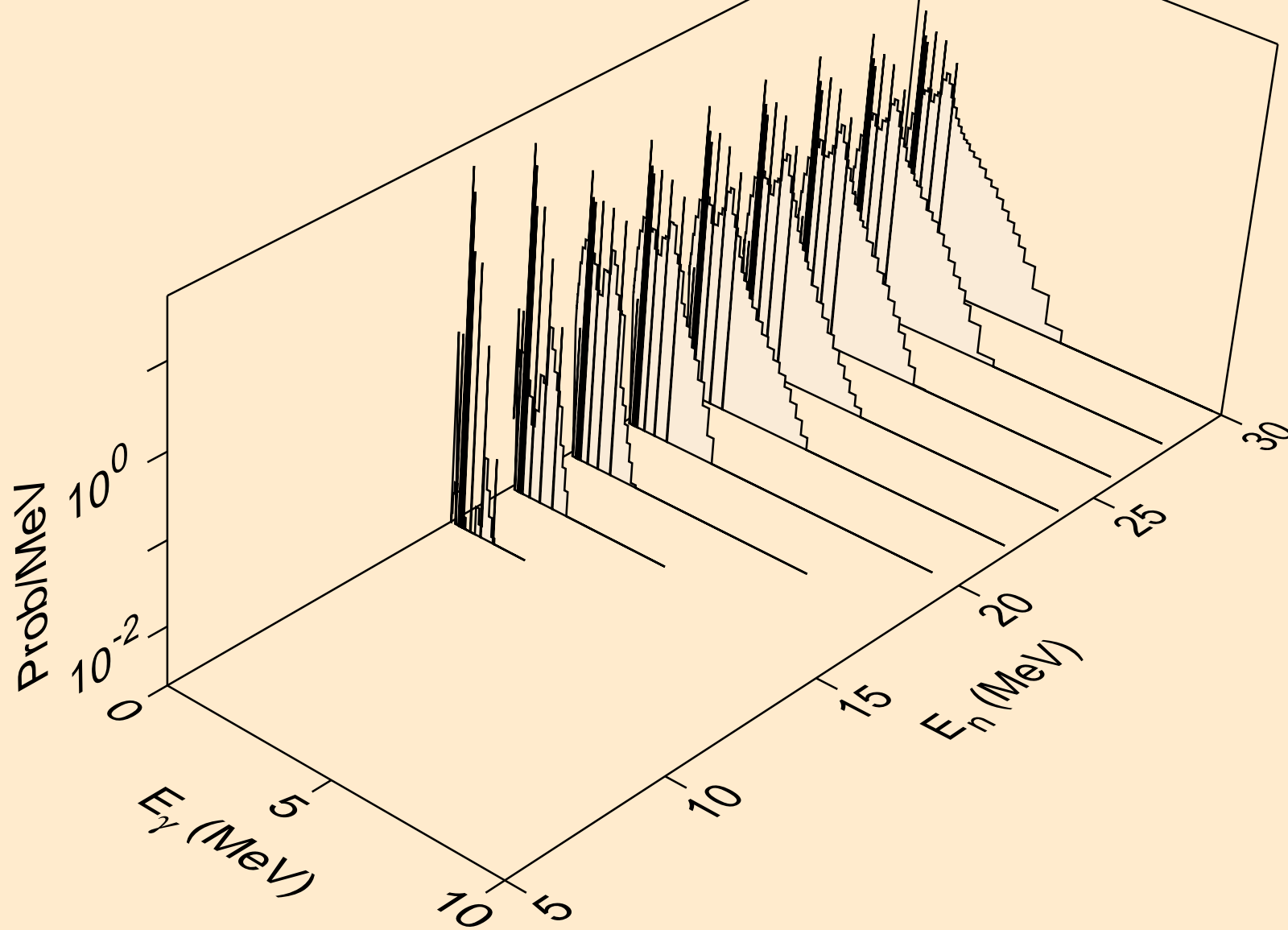
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



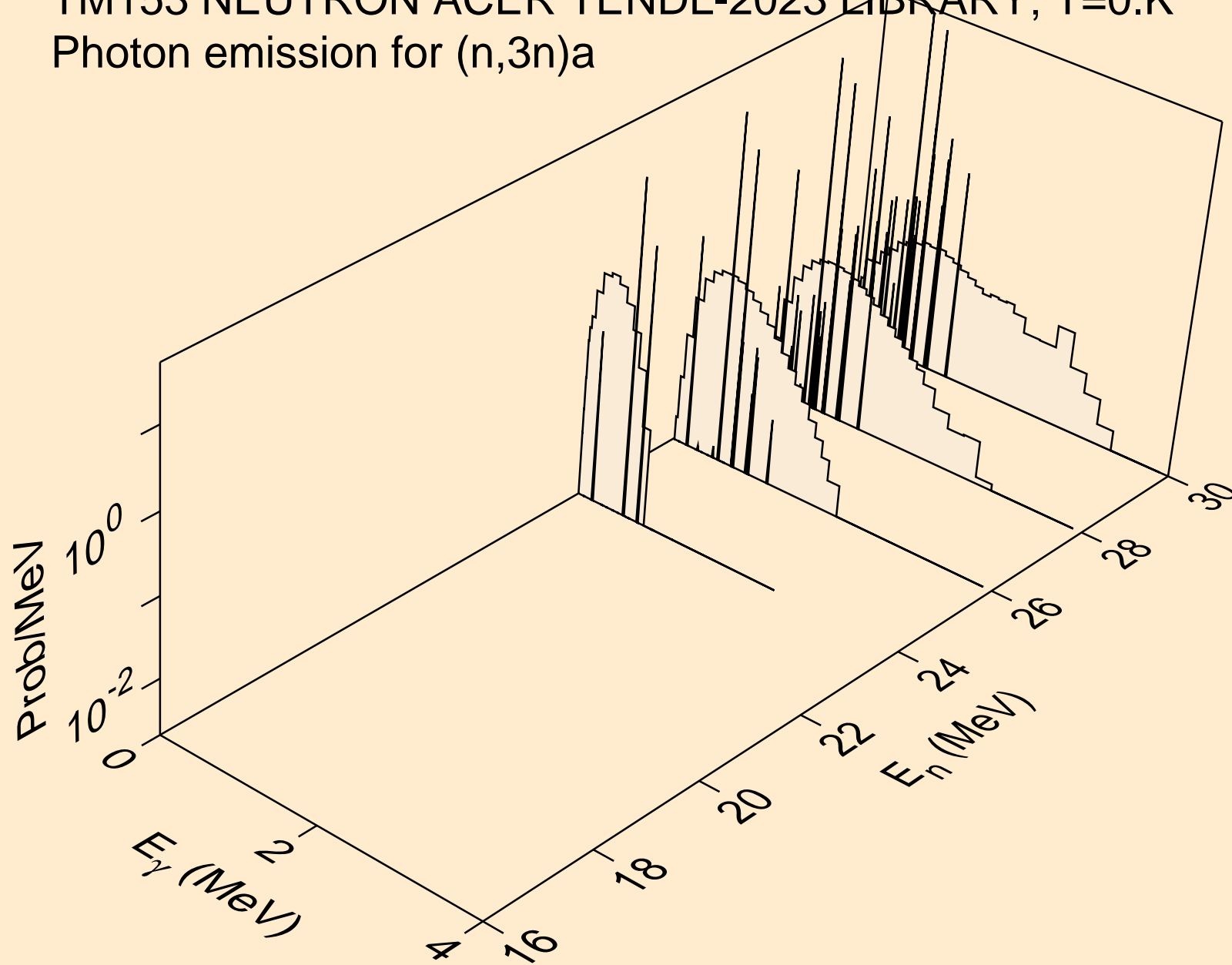
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



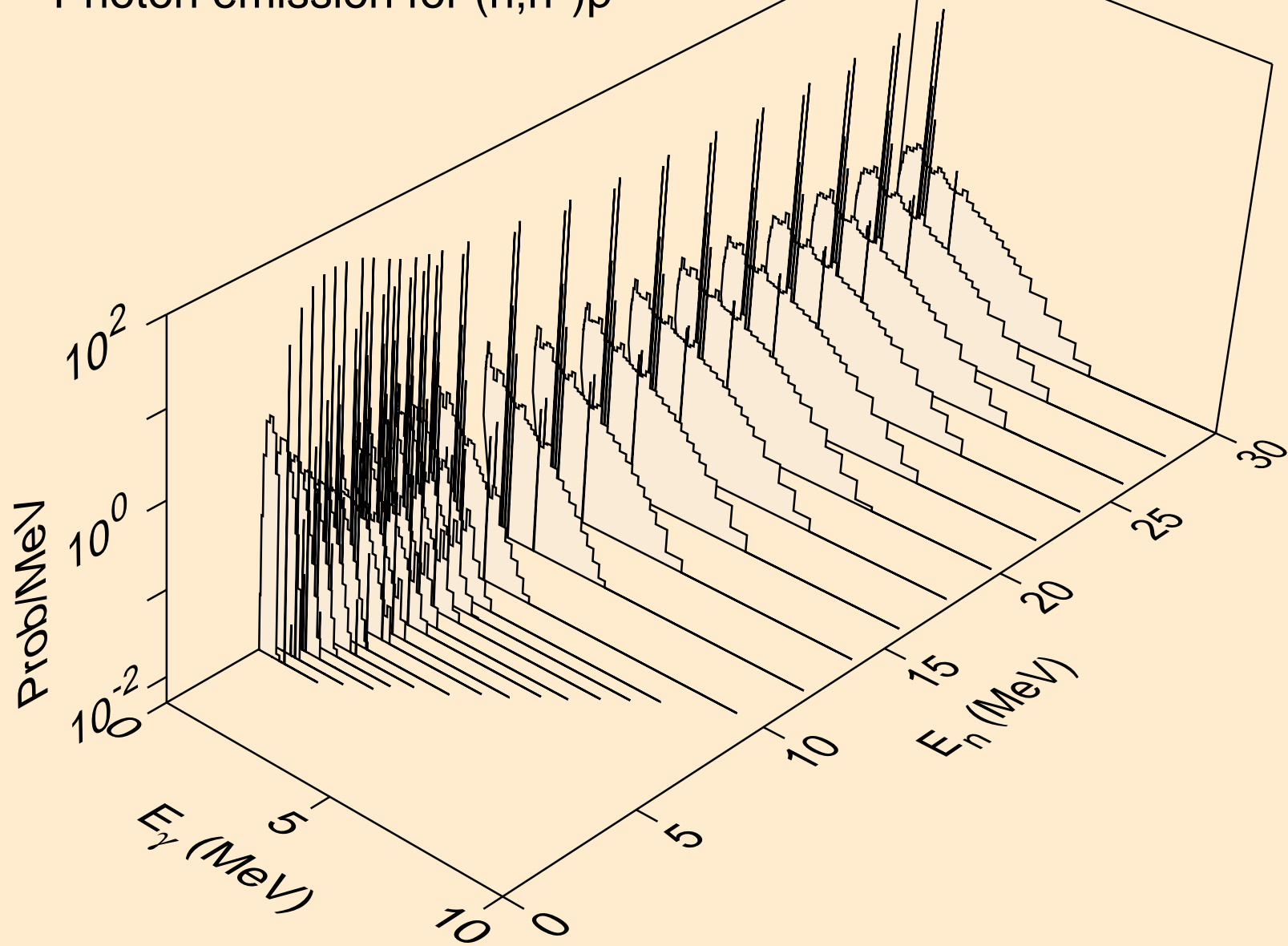
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a



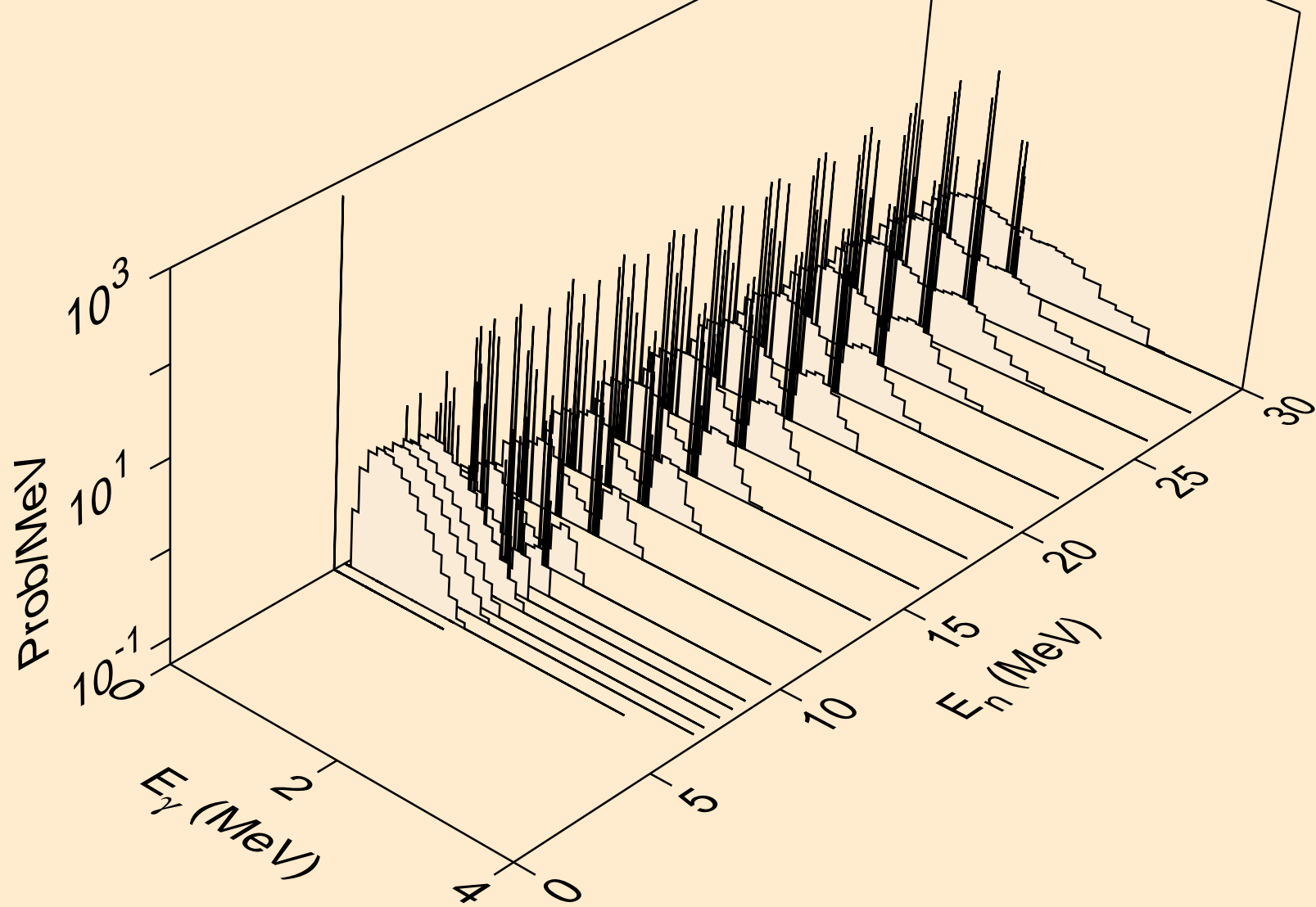
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)a



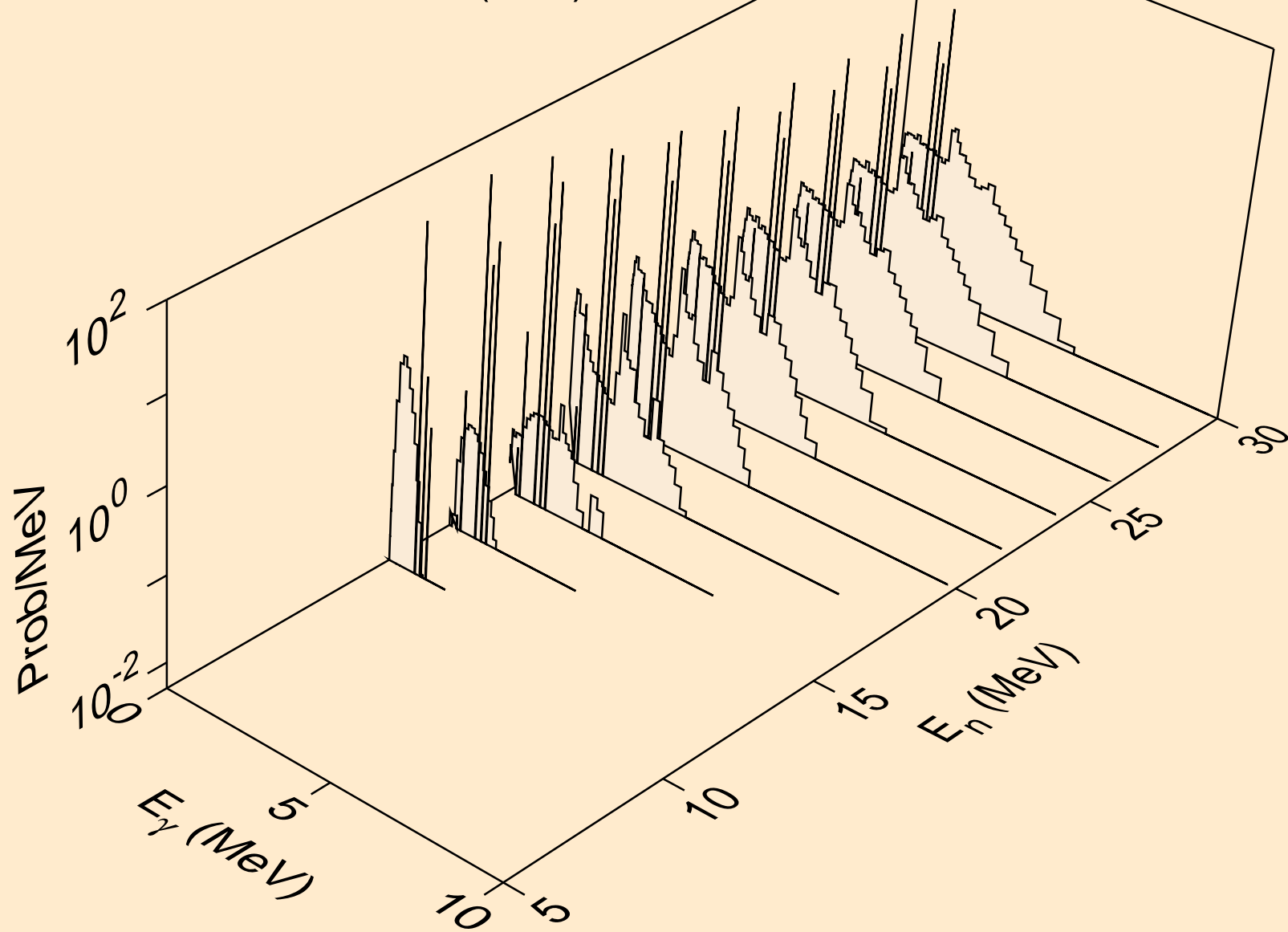
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



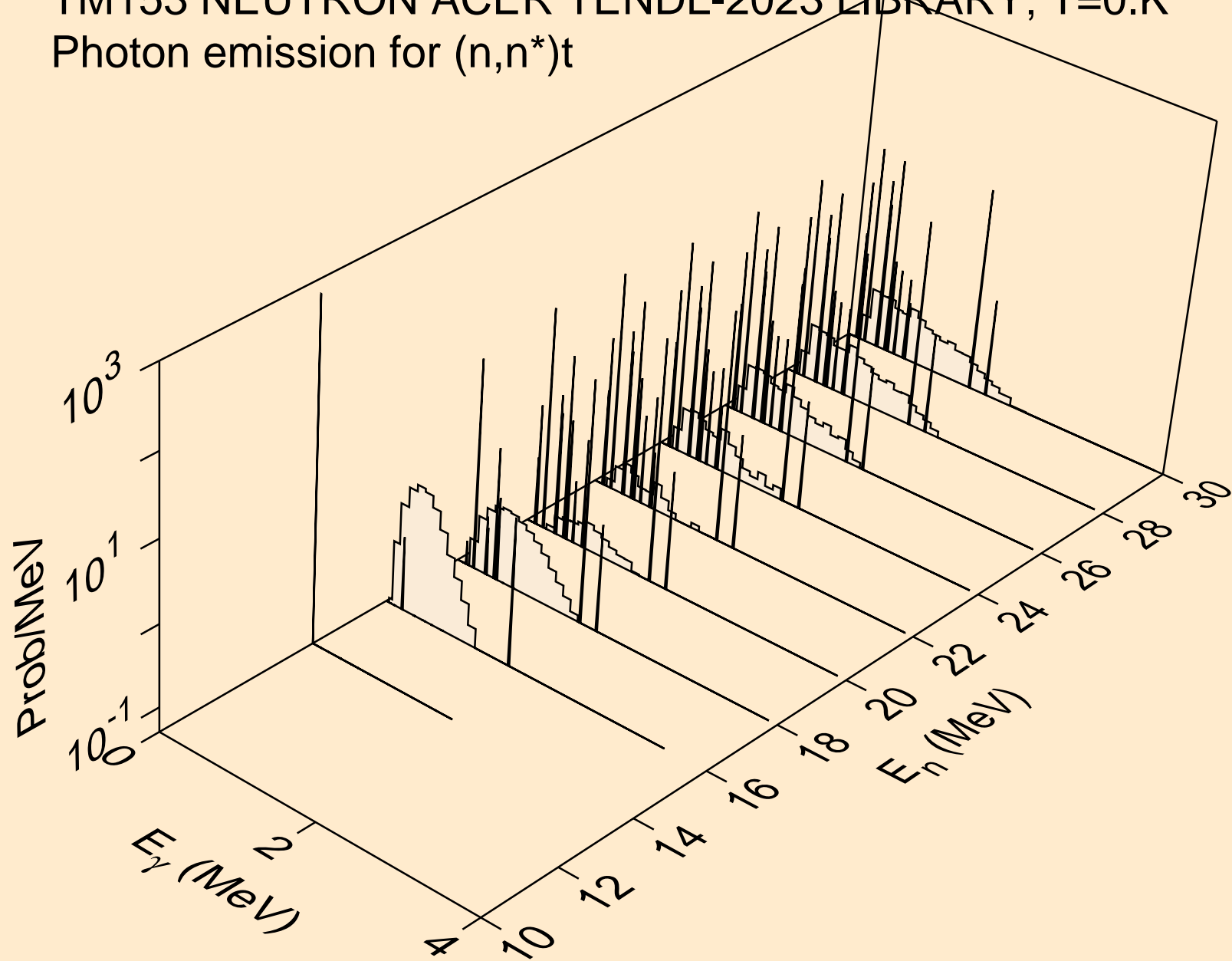
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



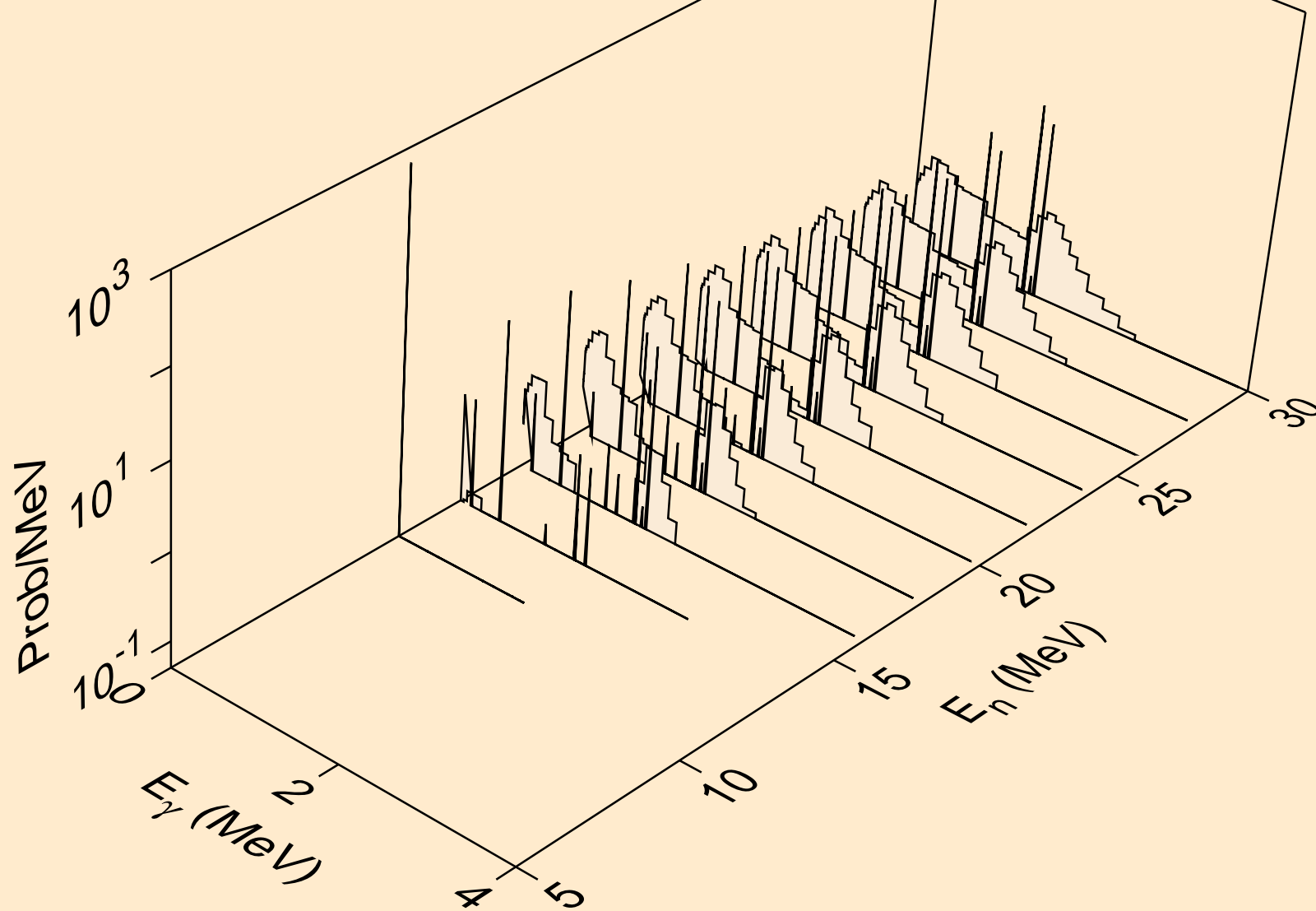
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



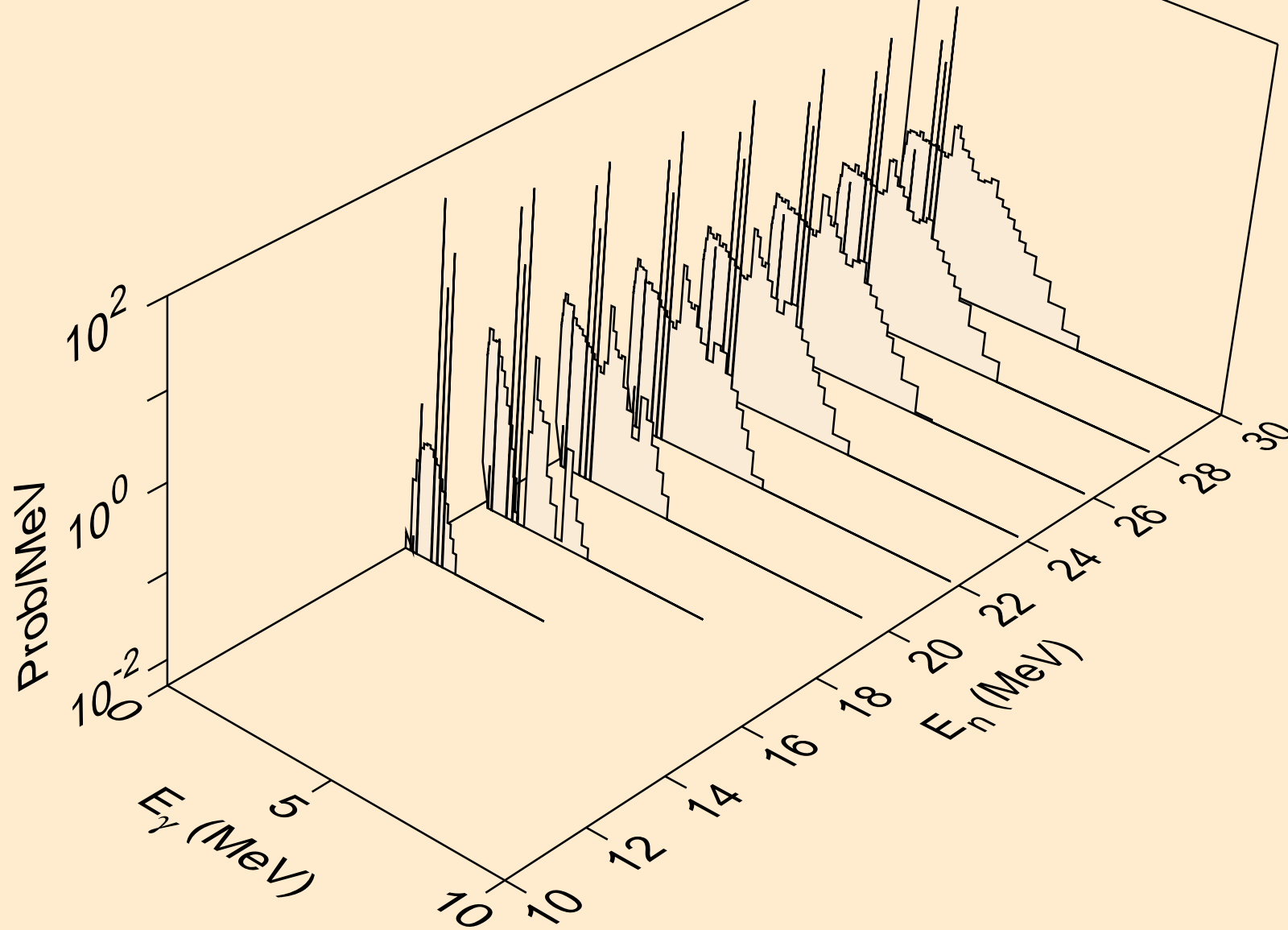
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



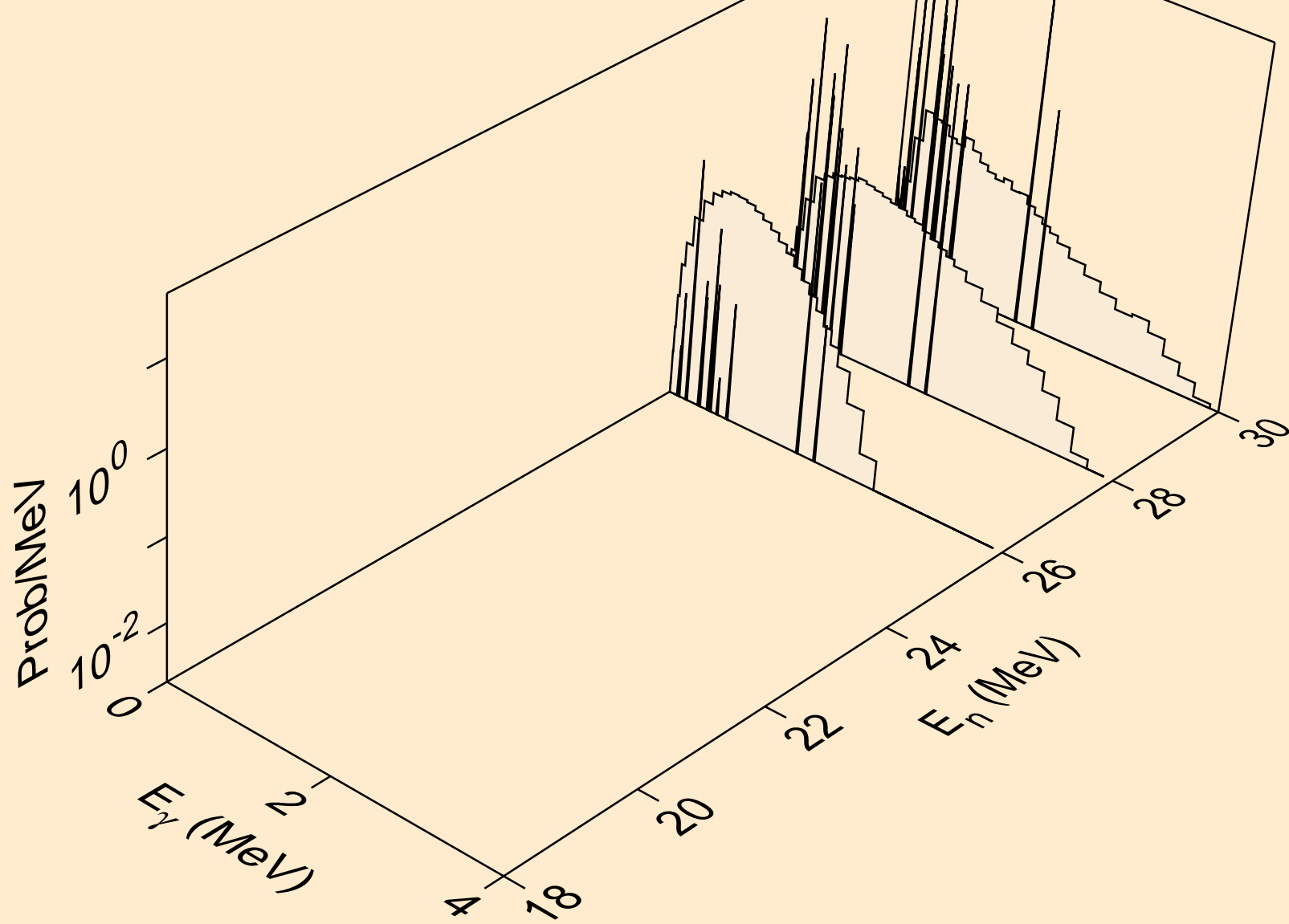
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



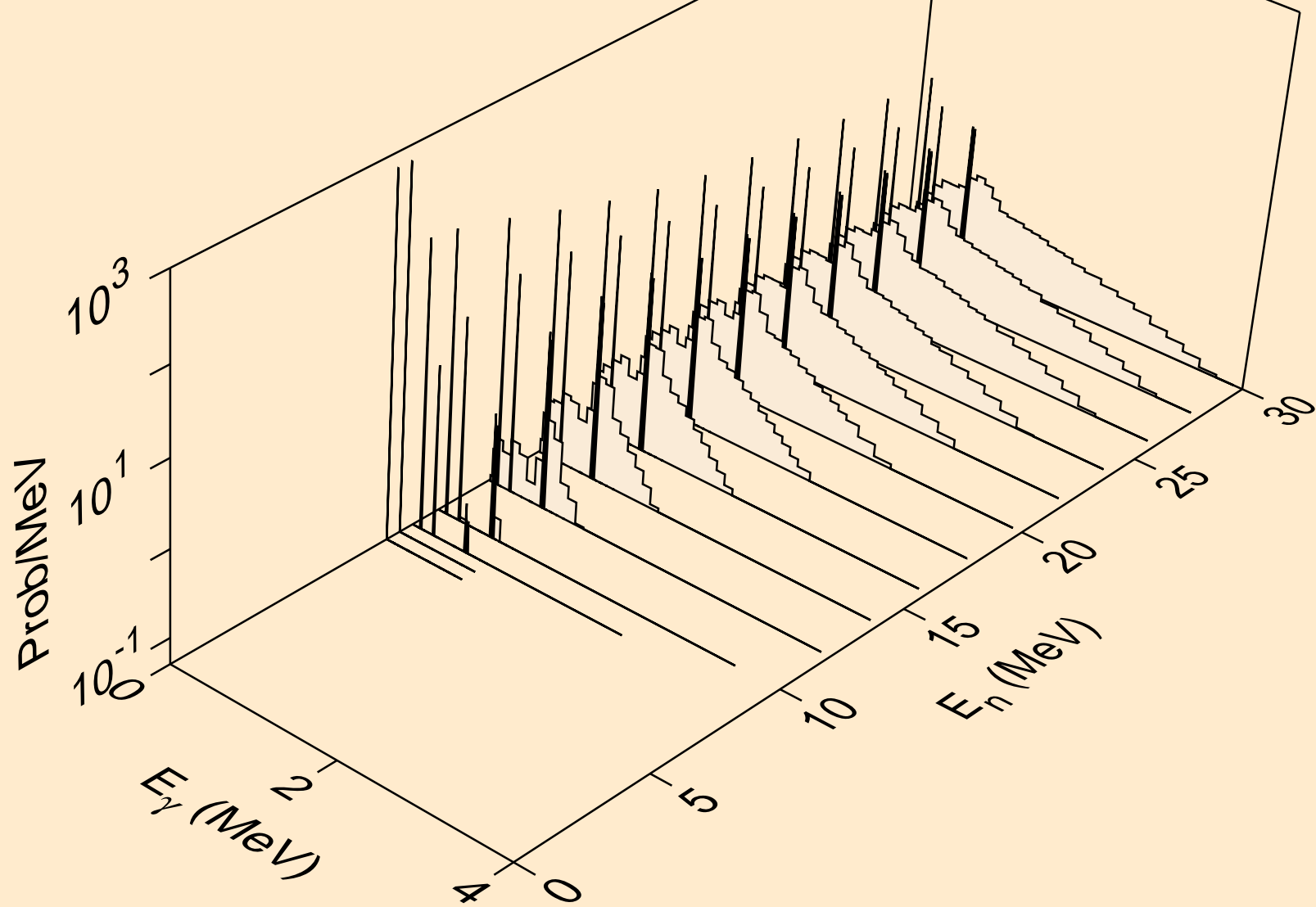
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)



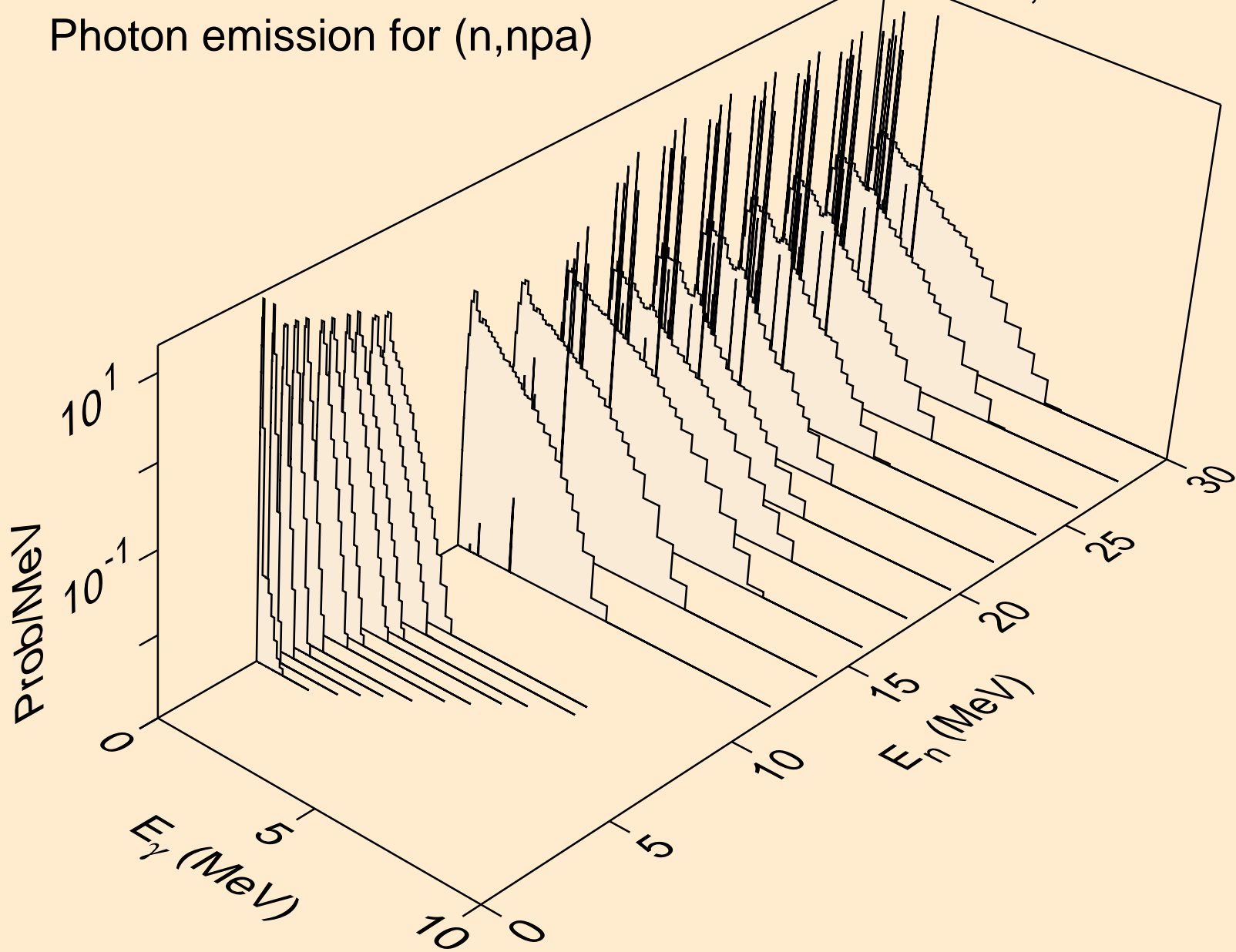
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3np)



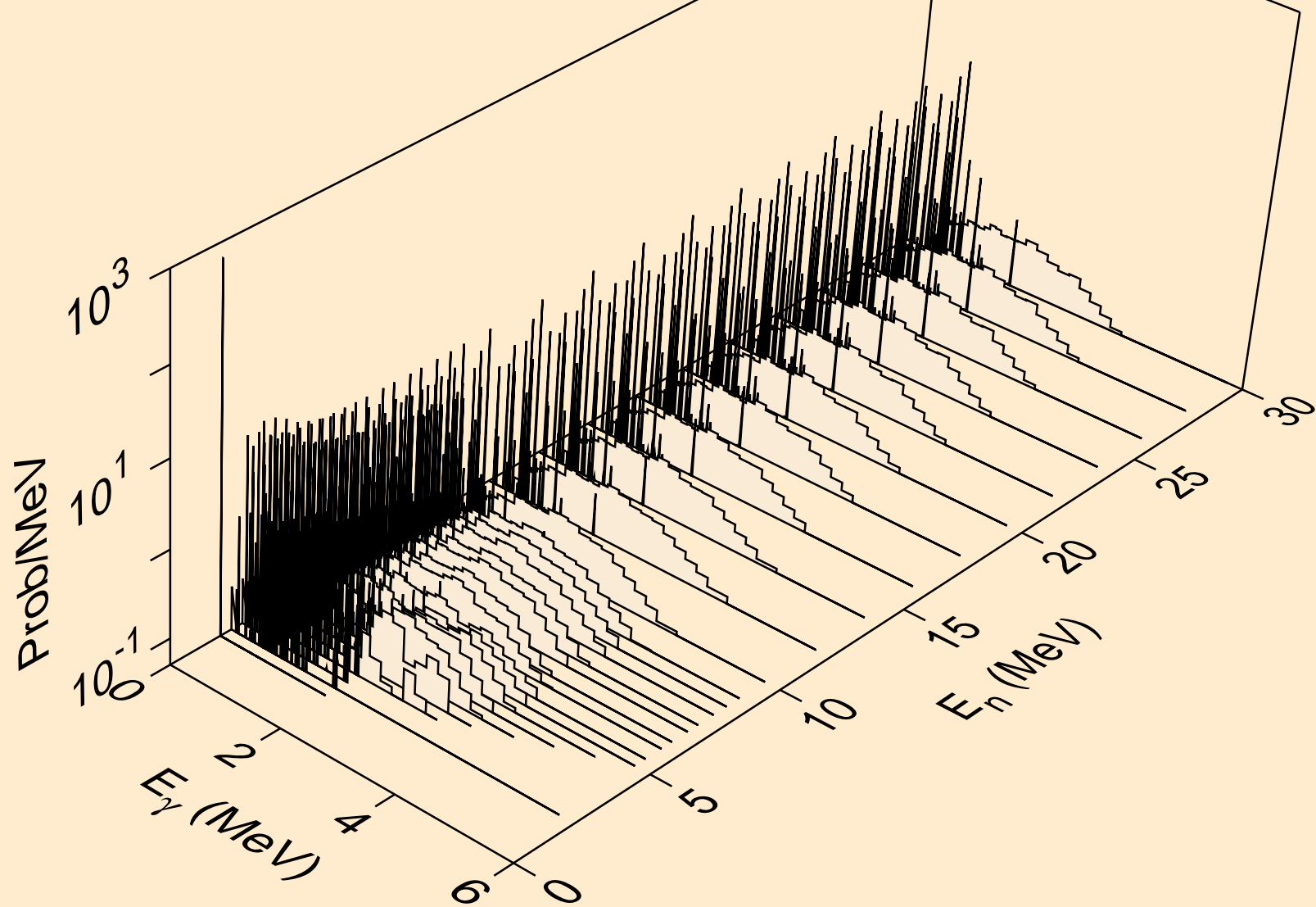
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)



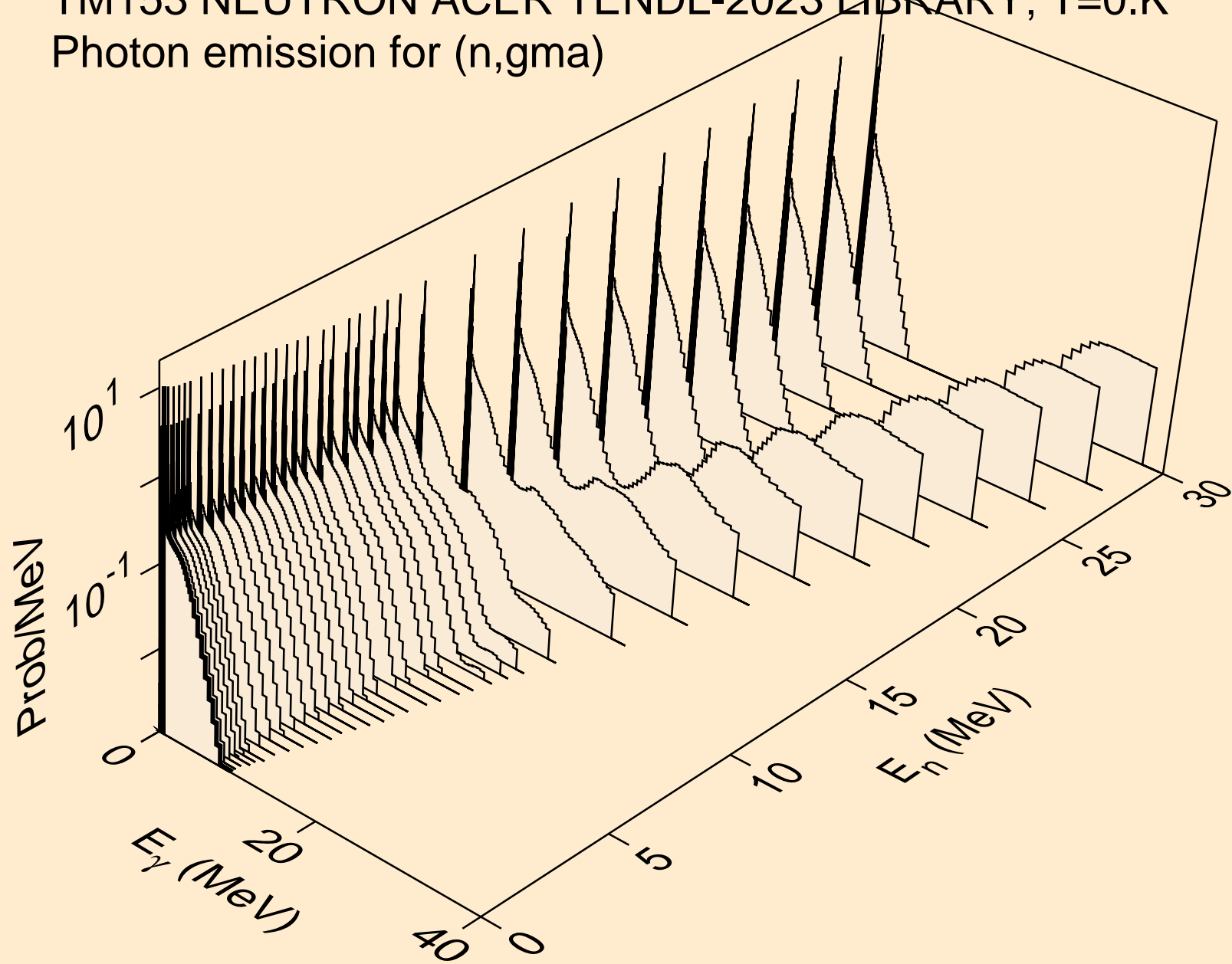
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,npa)



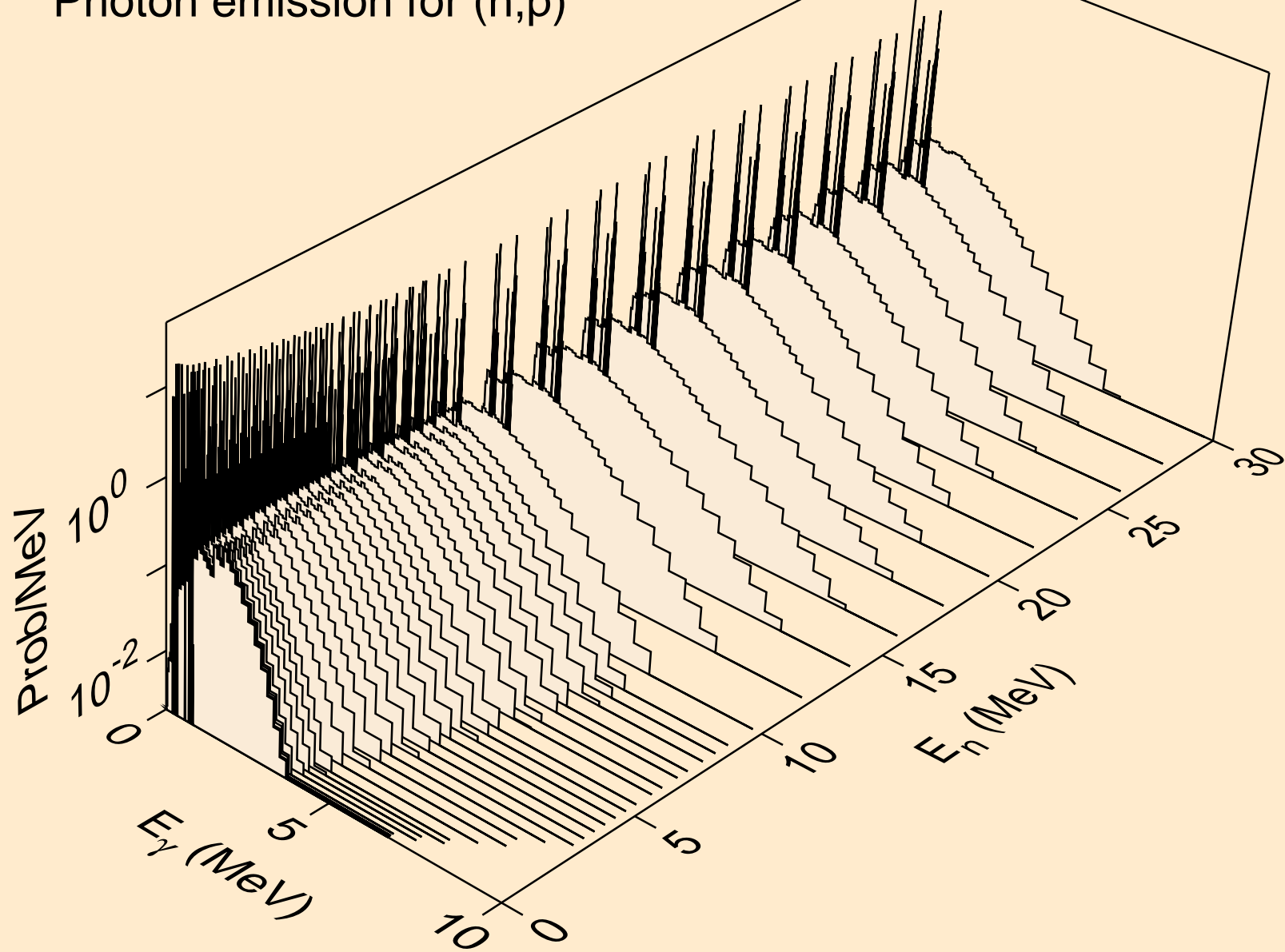
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*c)



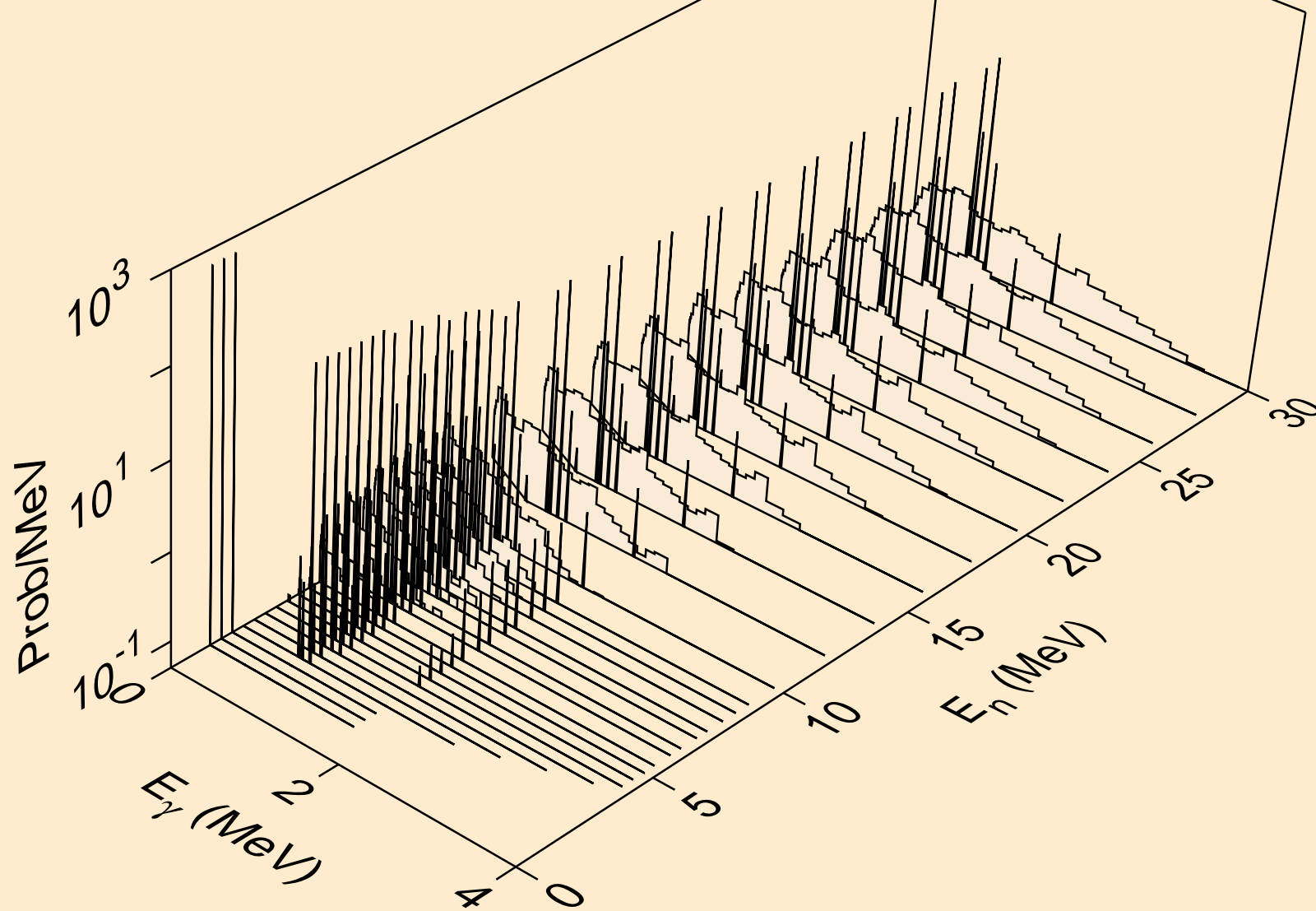
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)



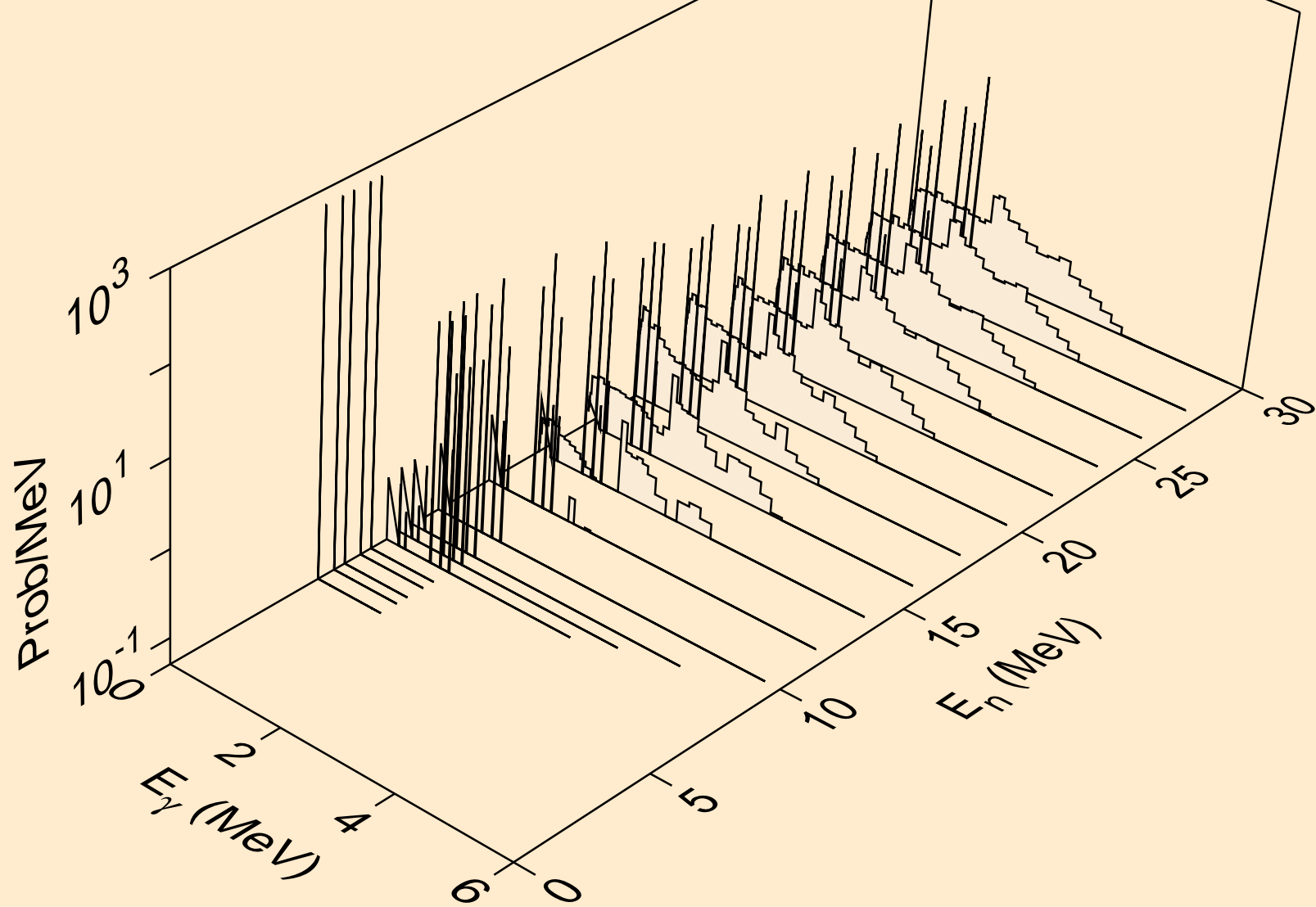
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)



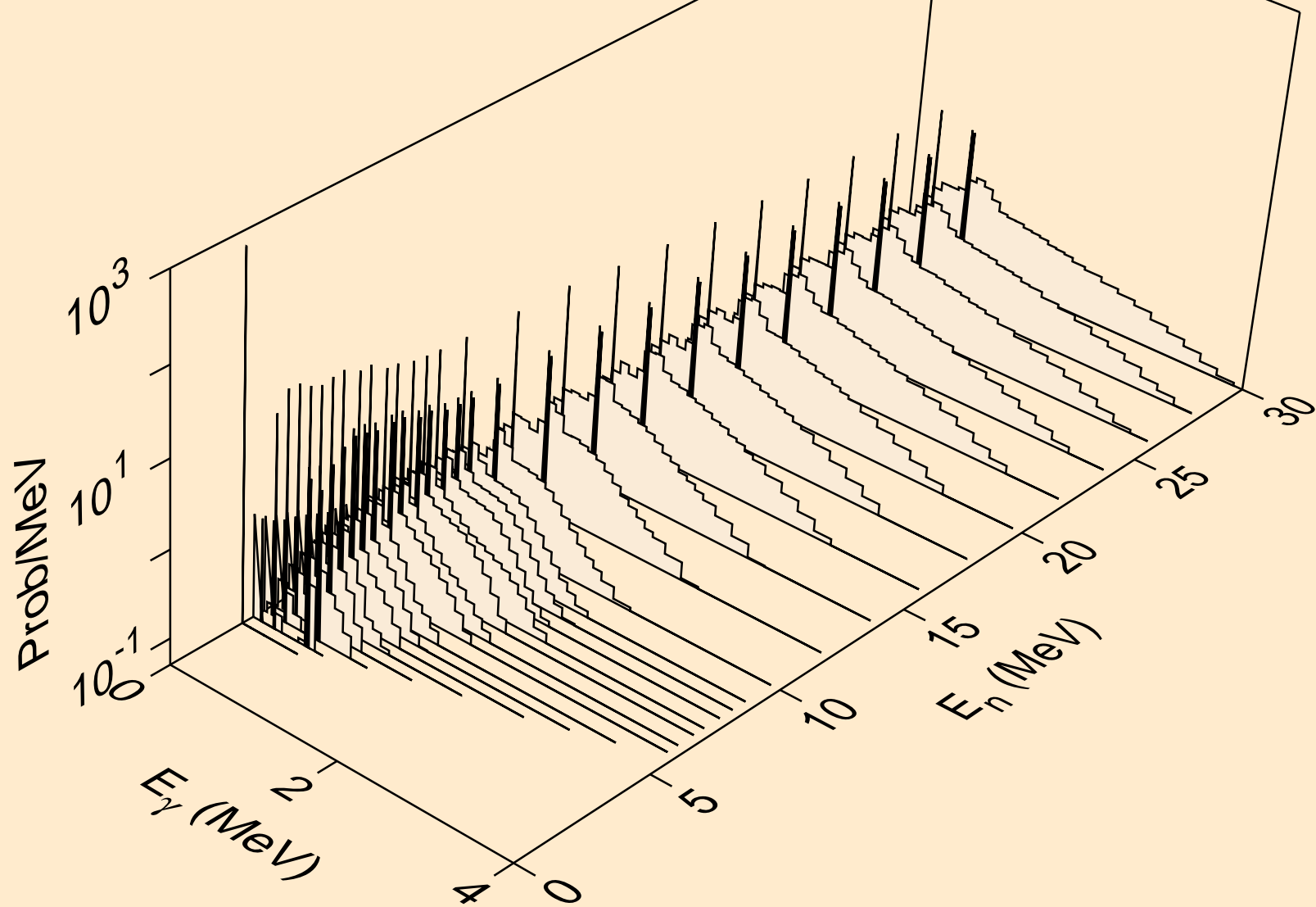
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)



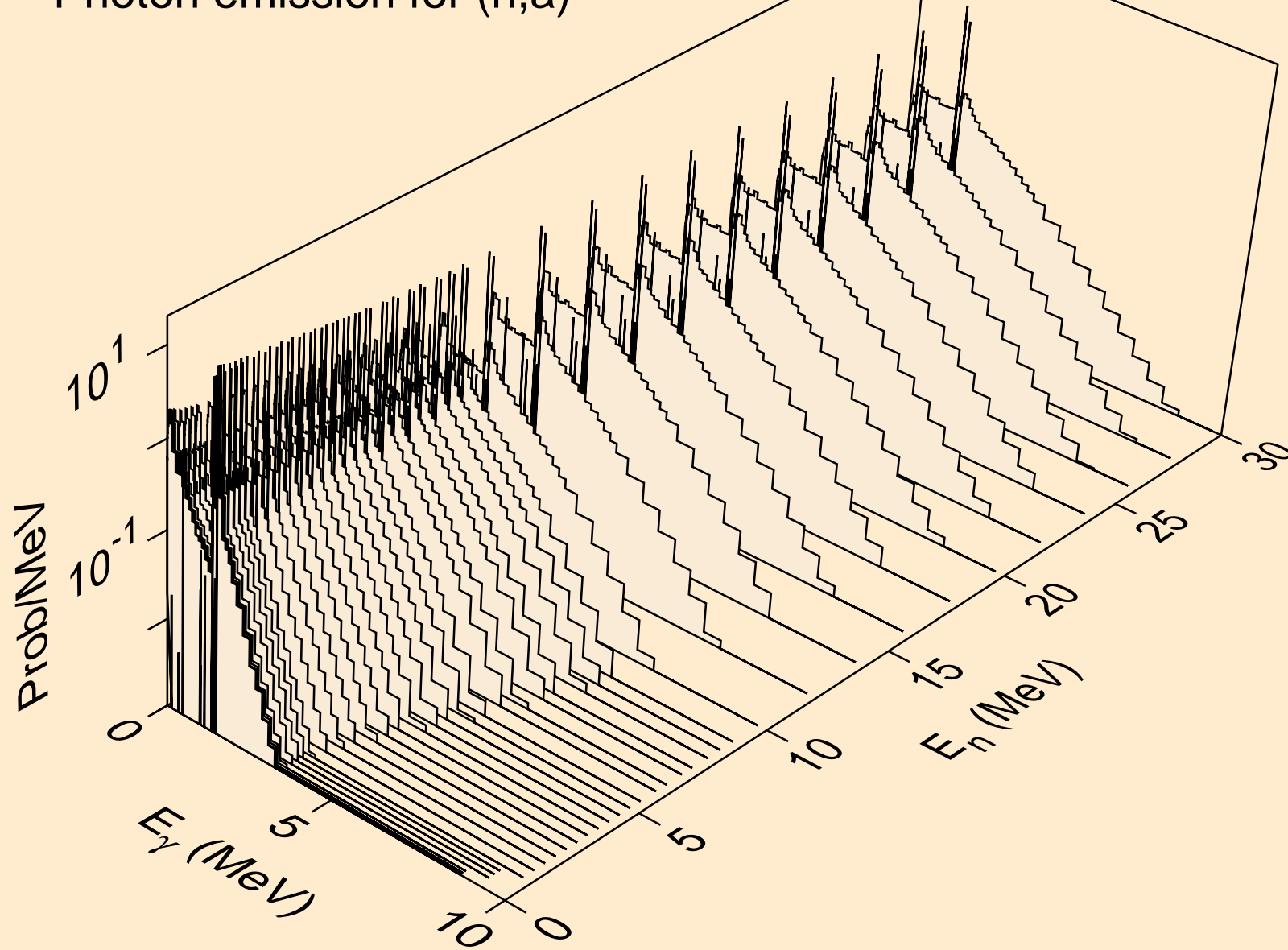
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)



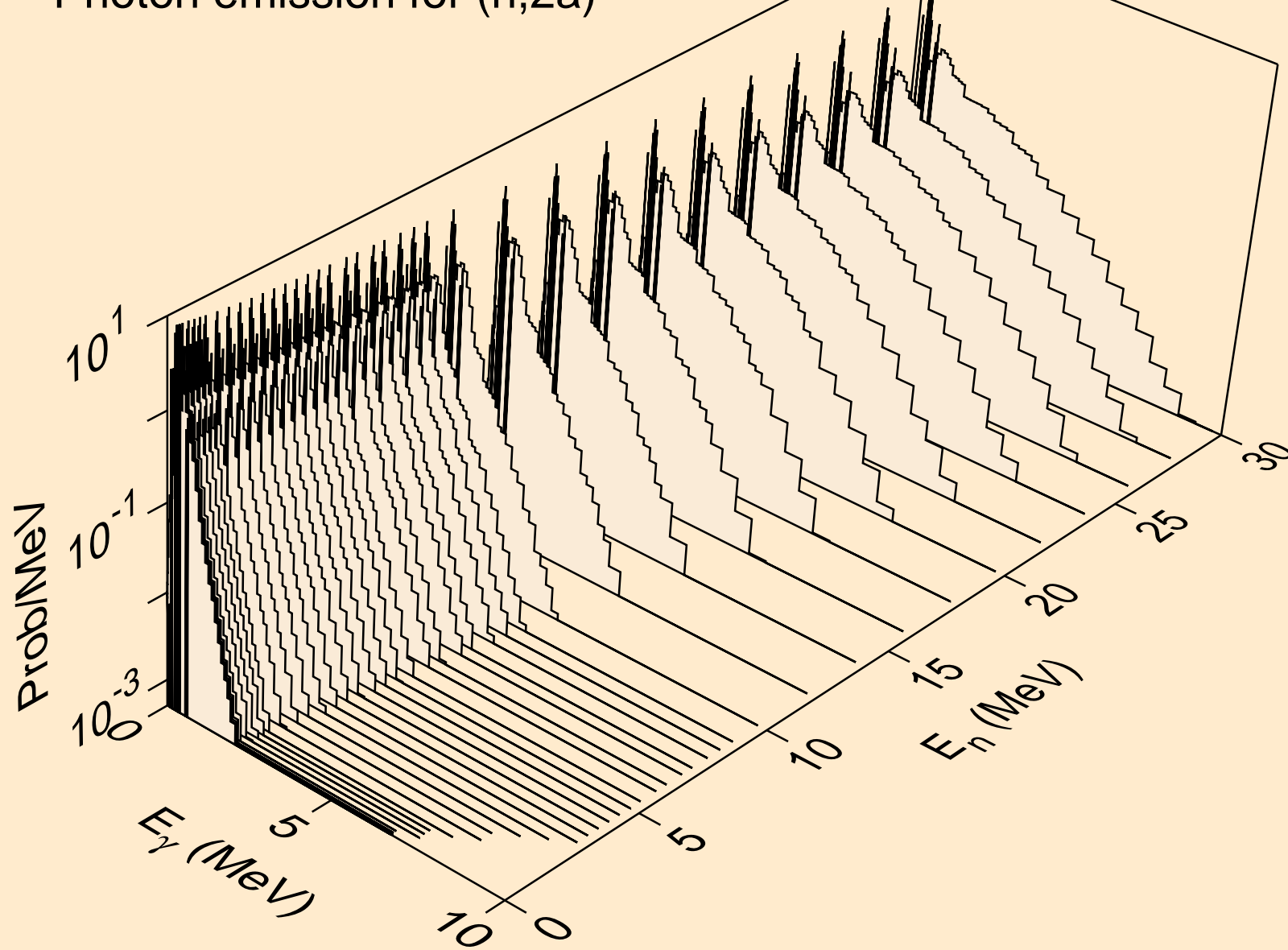
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)



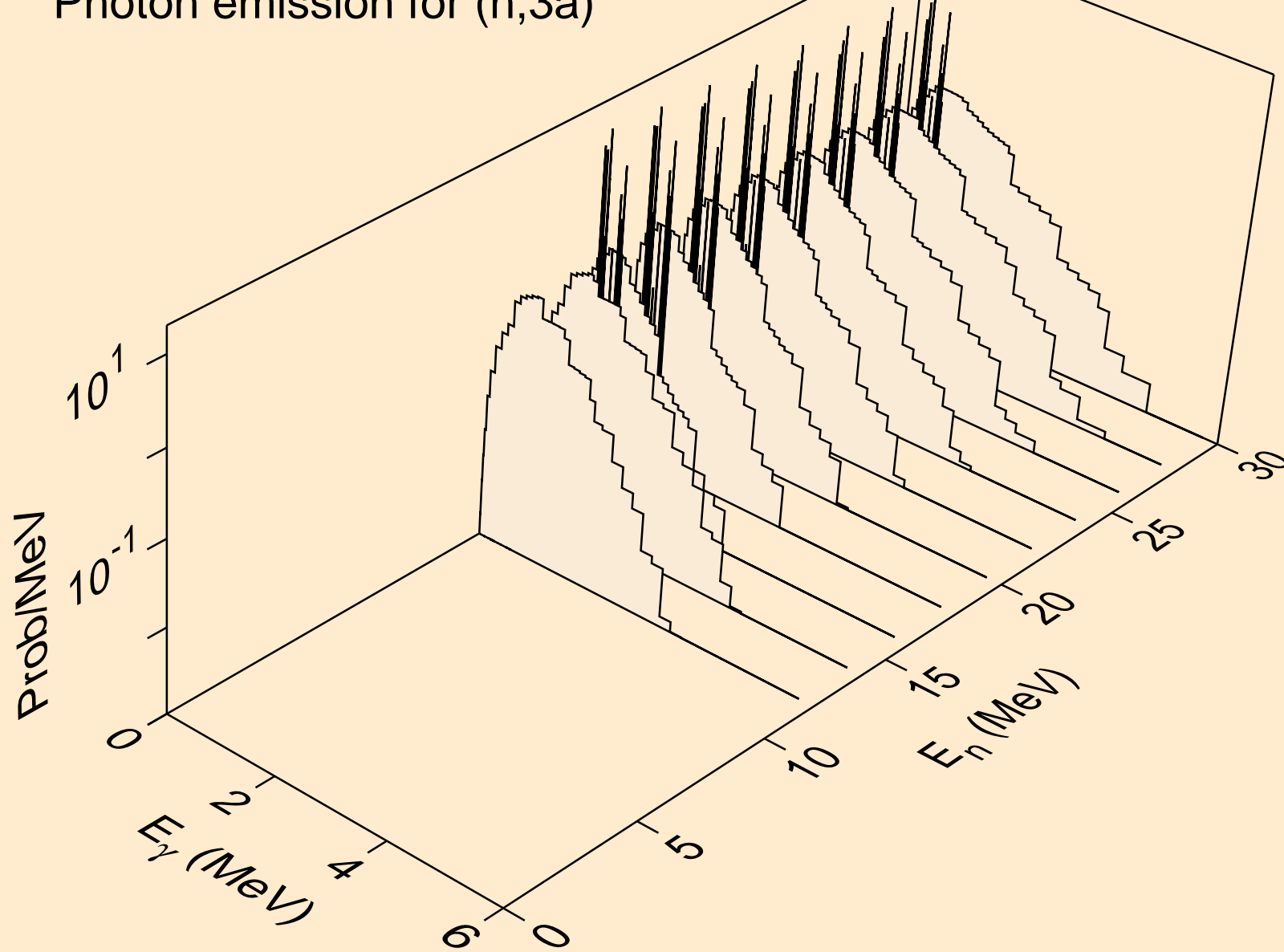
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)



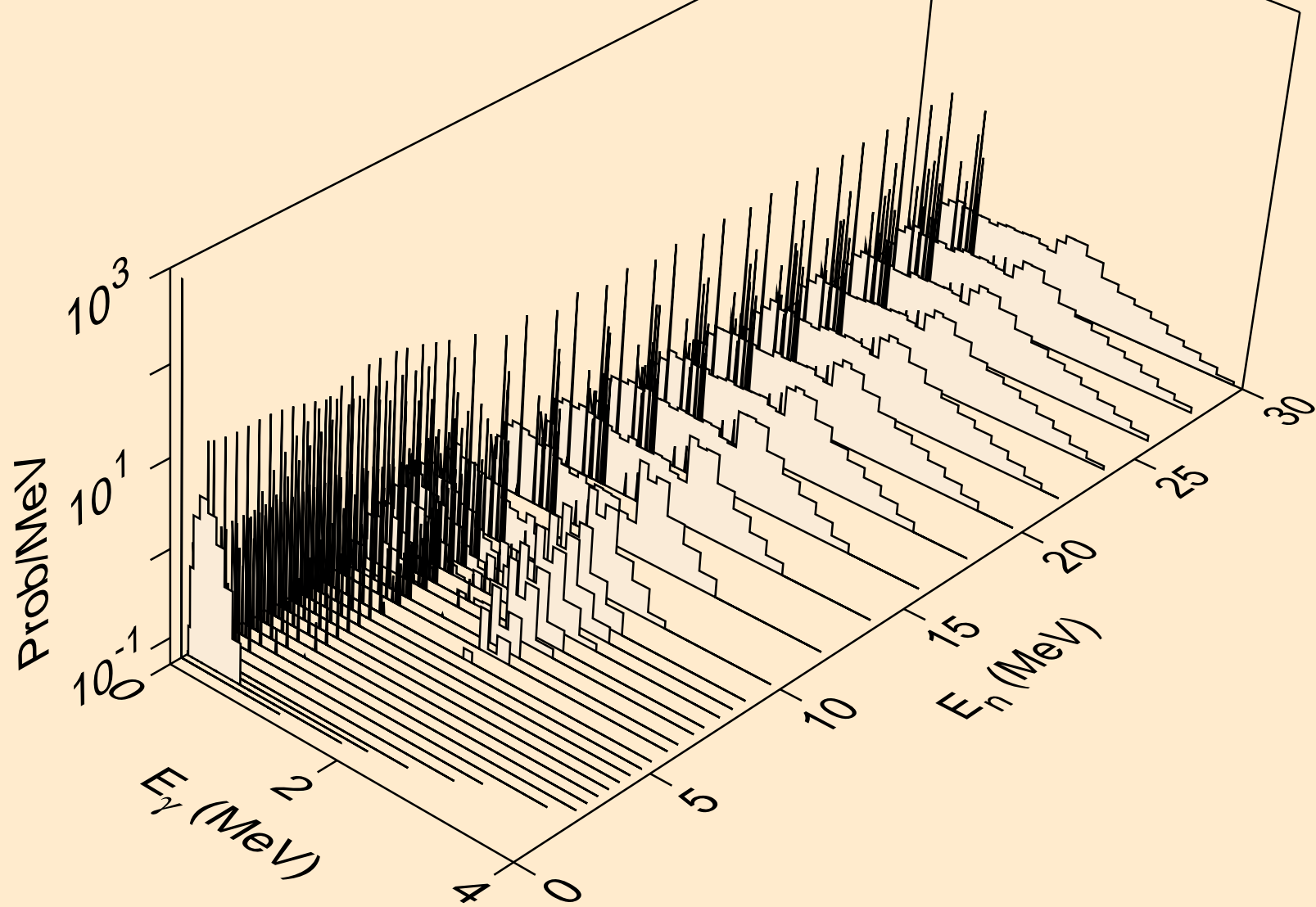
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2a)



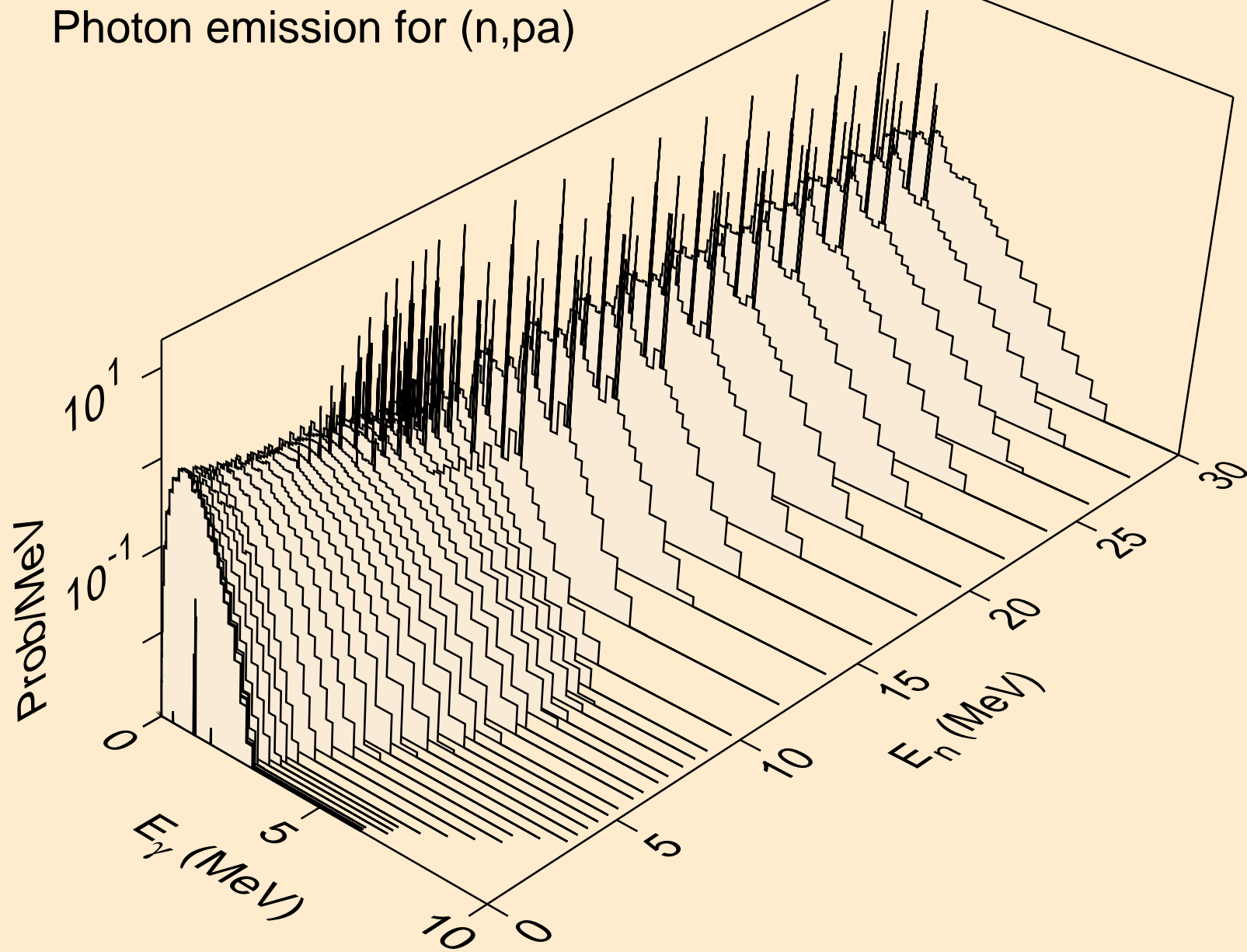
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3a)



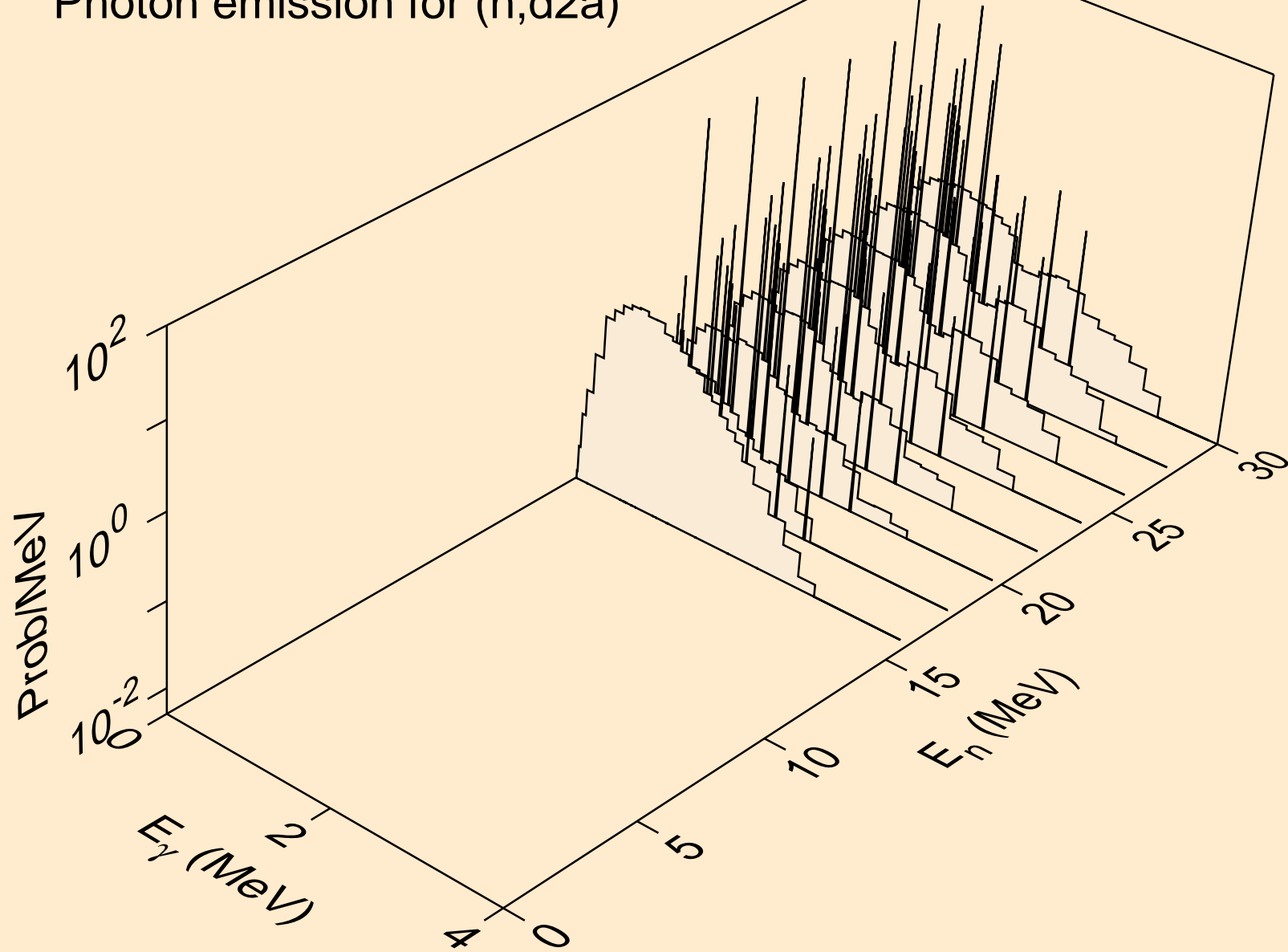
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)



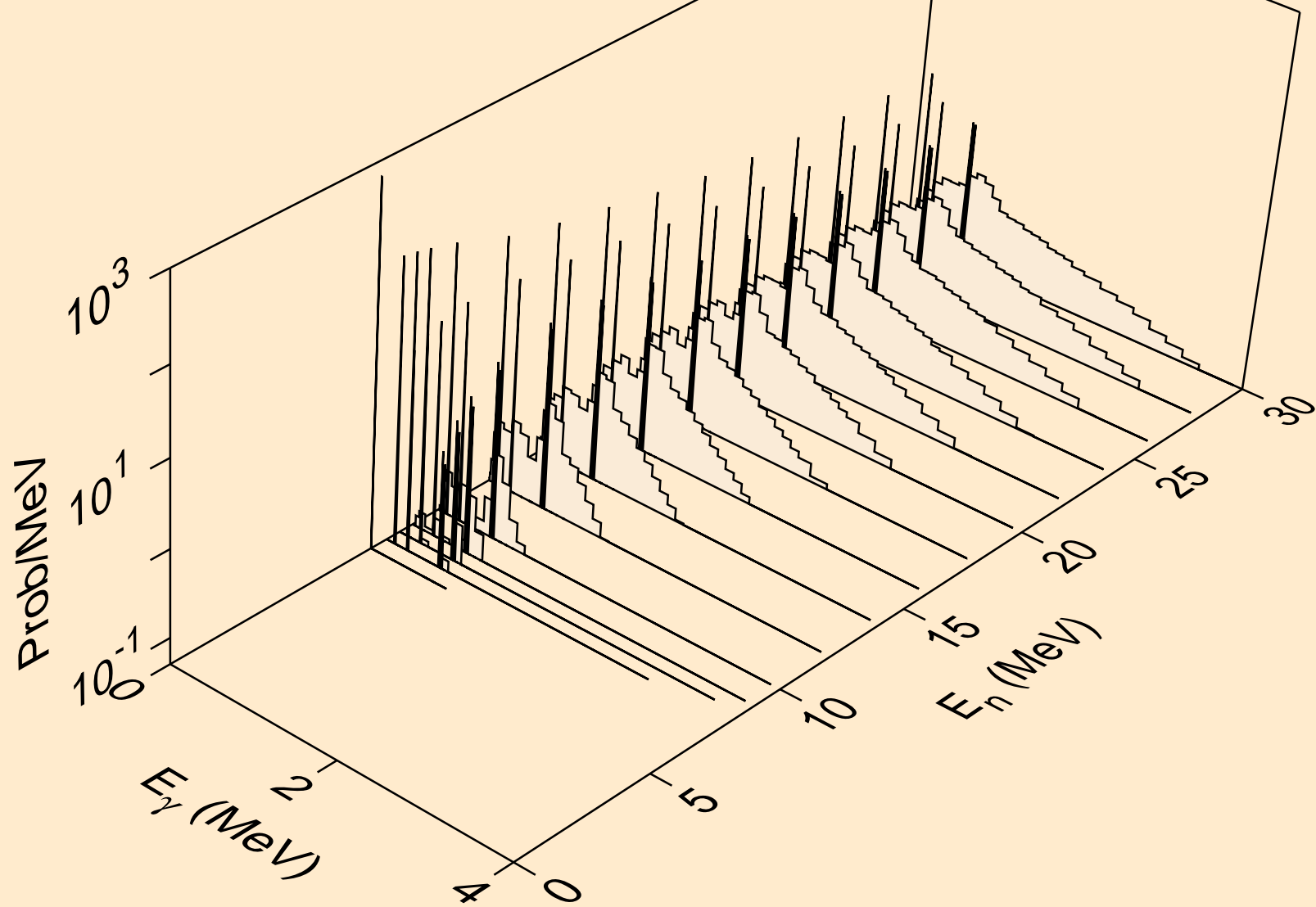
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p $\alpha$ )



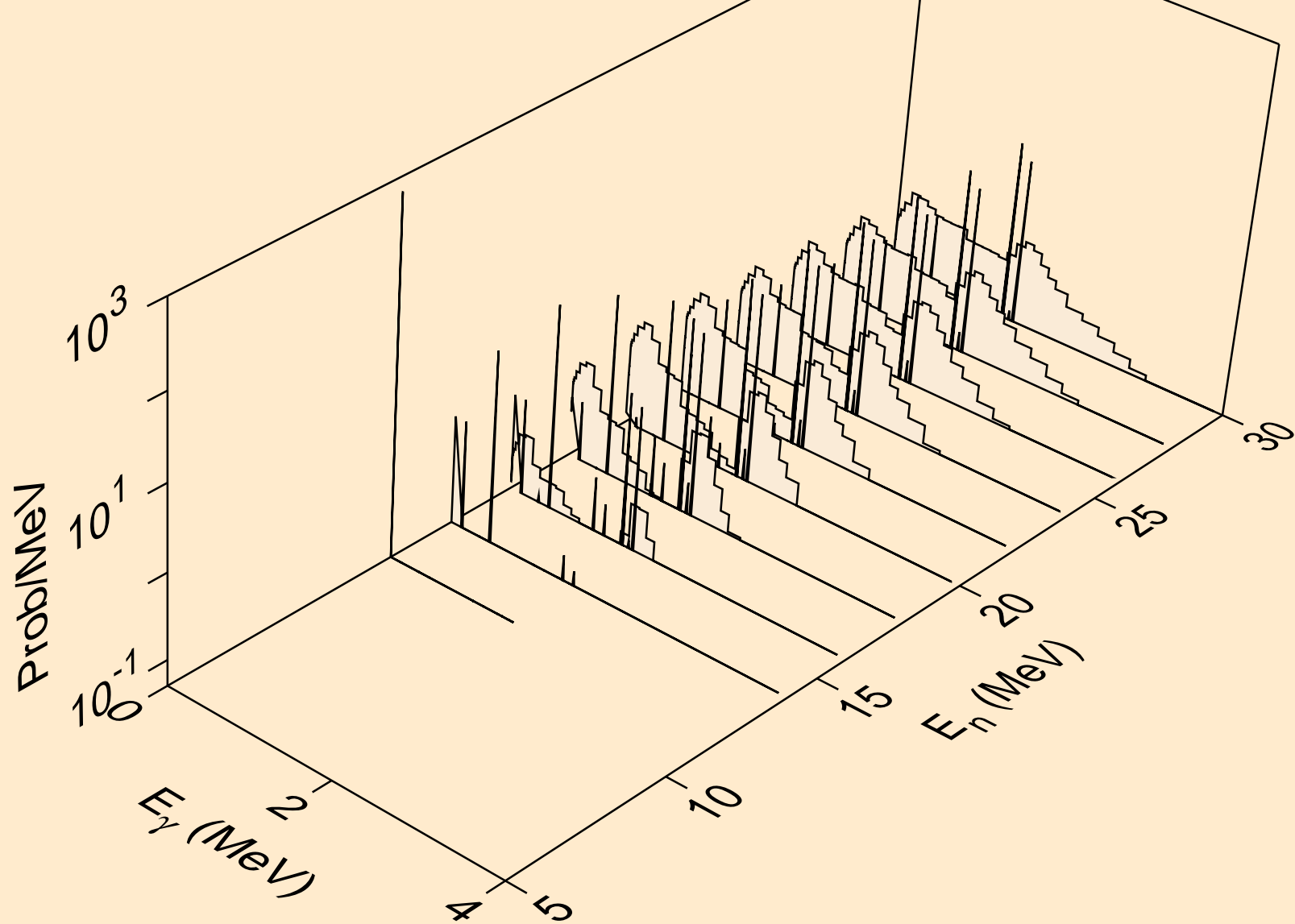
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d2a)



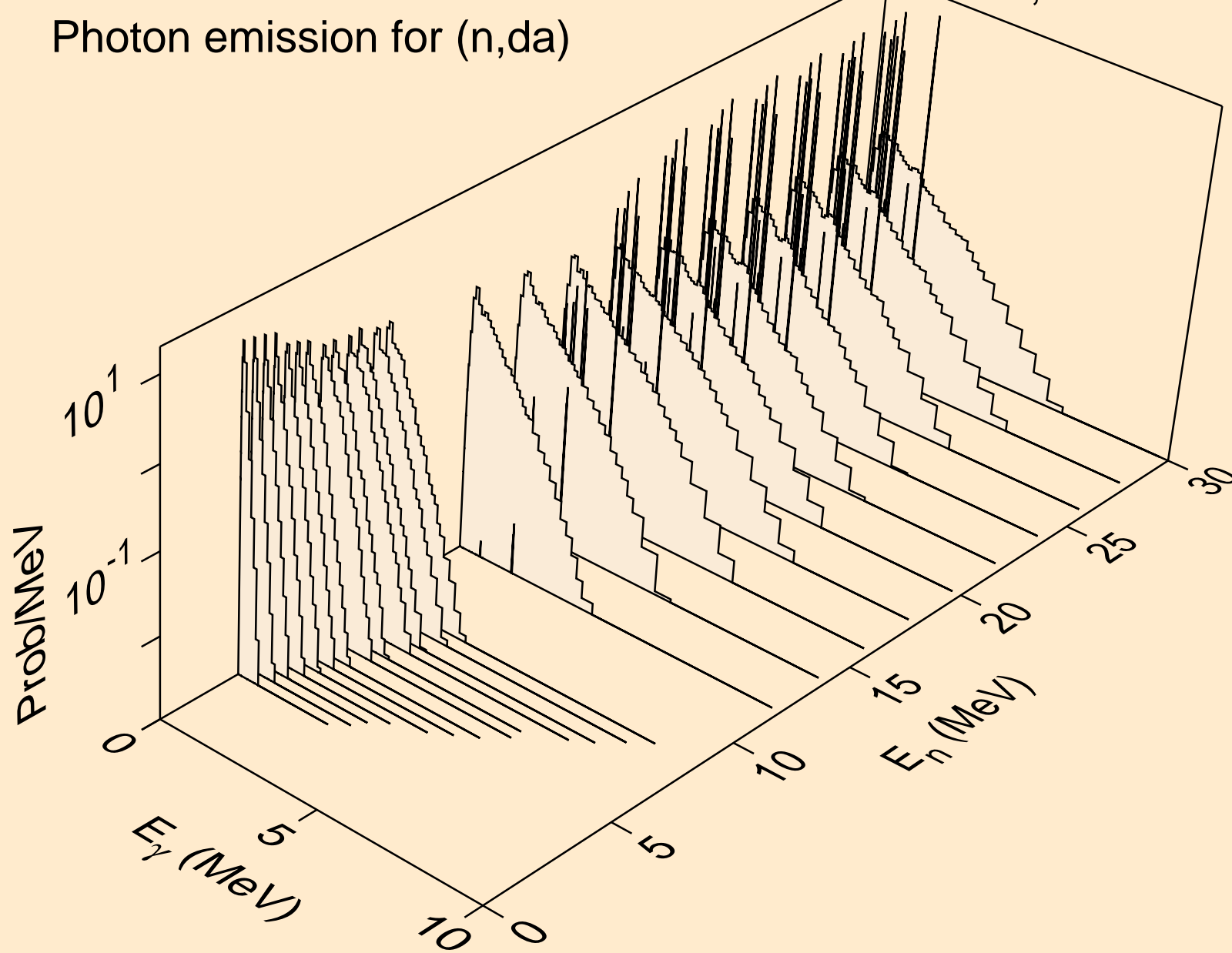
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)



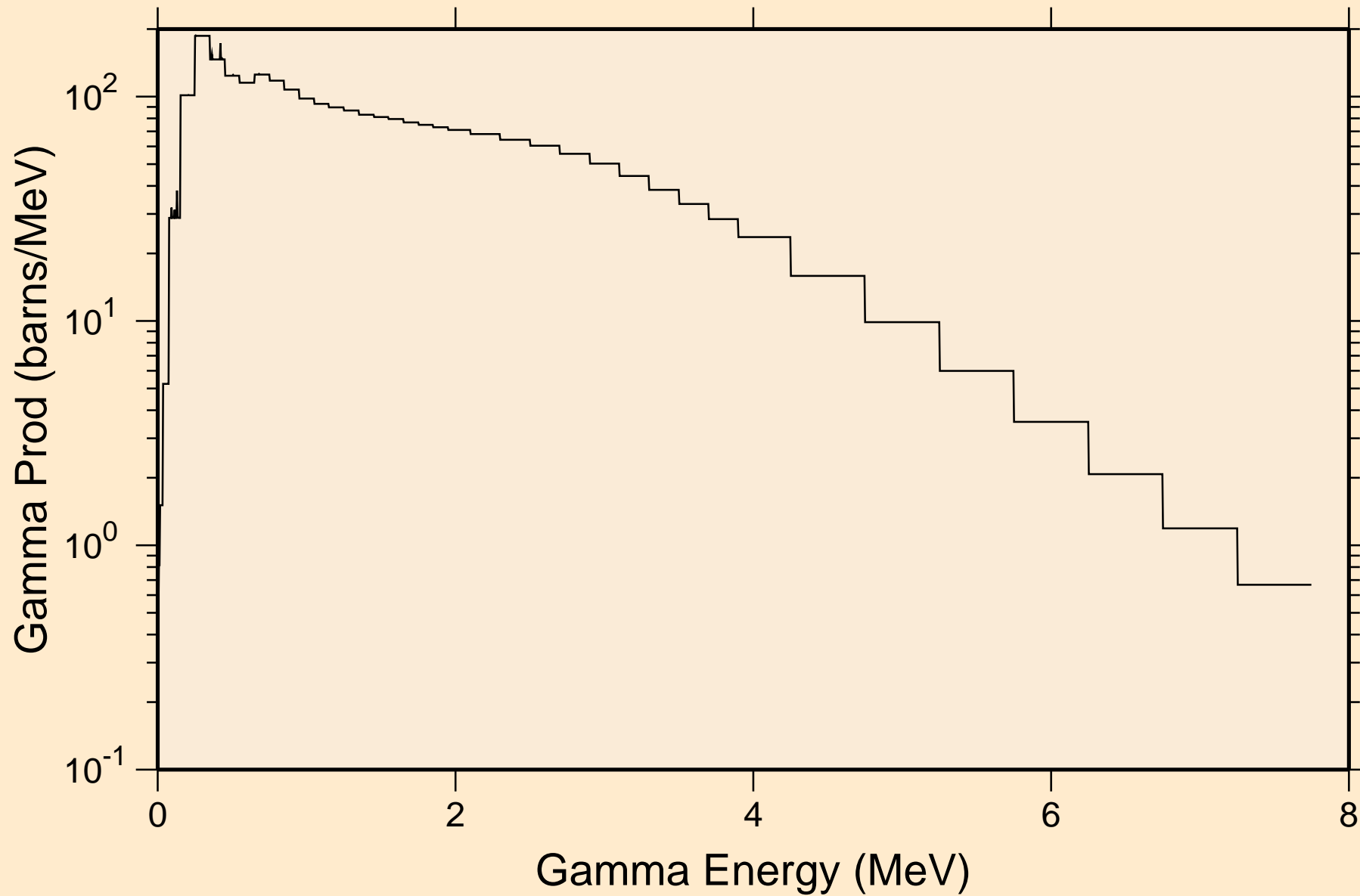
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)



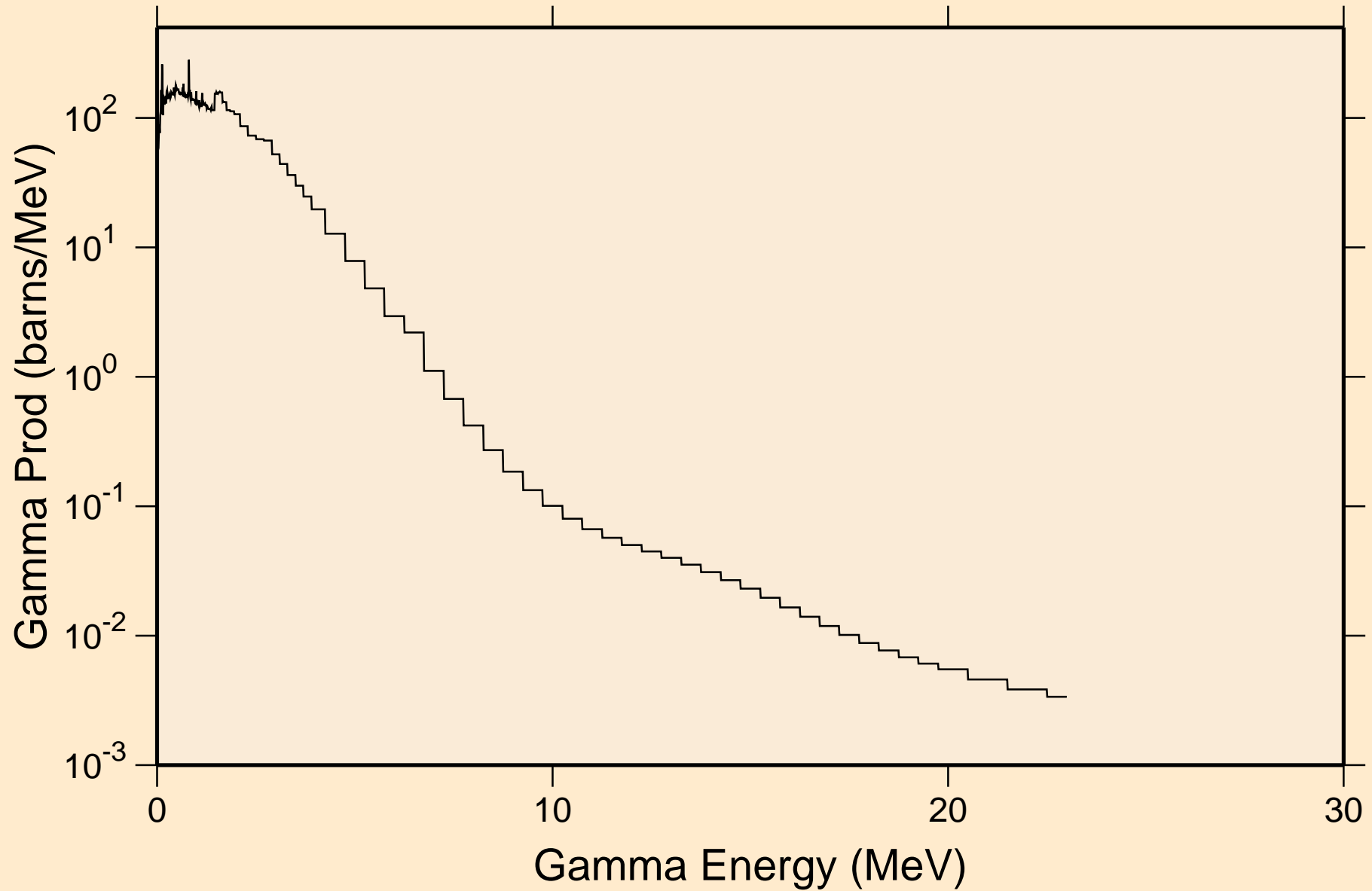
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)



TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
thermal capture photon spectrum

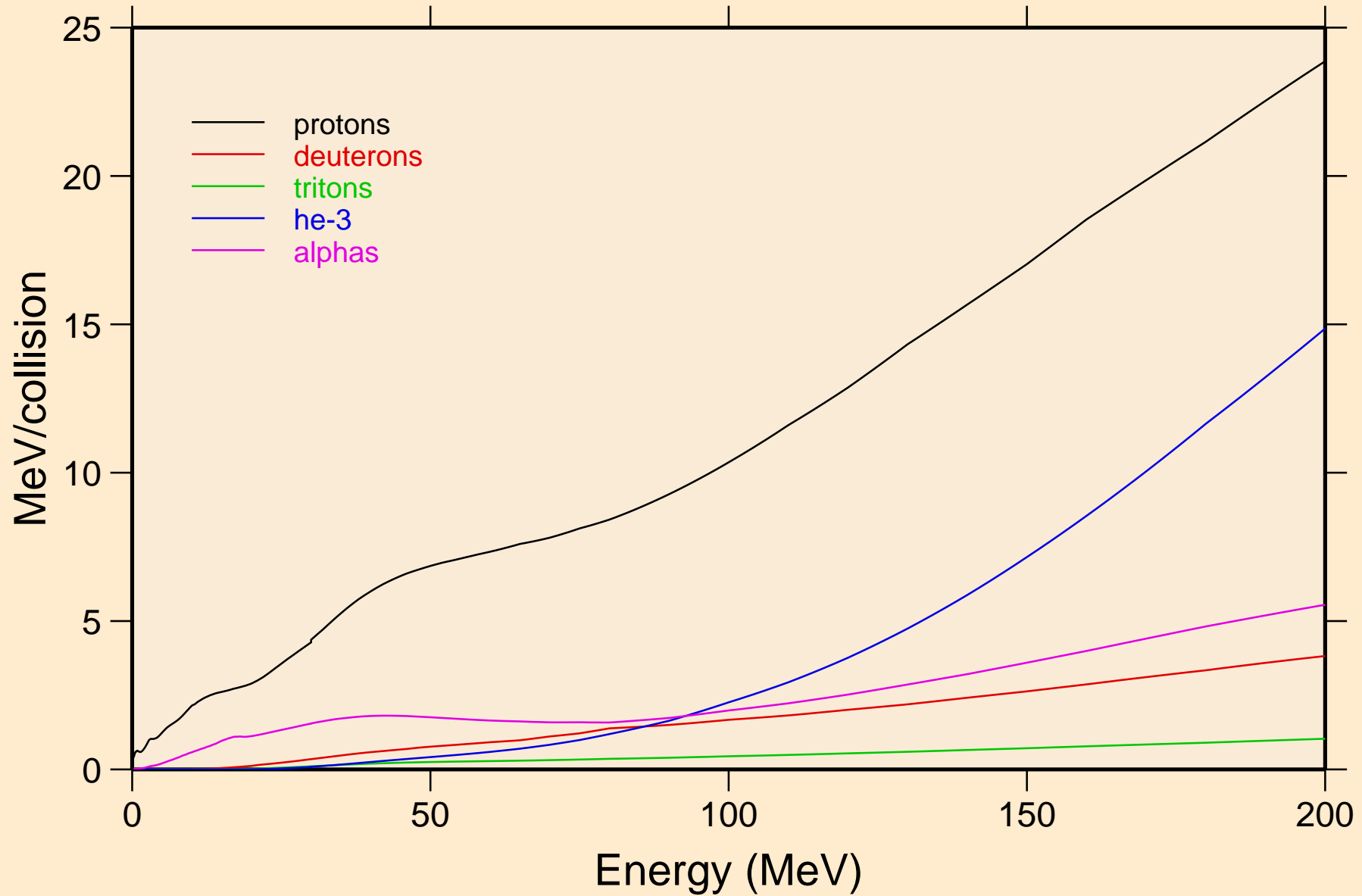


TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
14 MeV photon spectrum

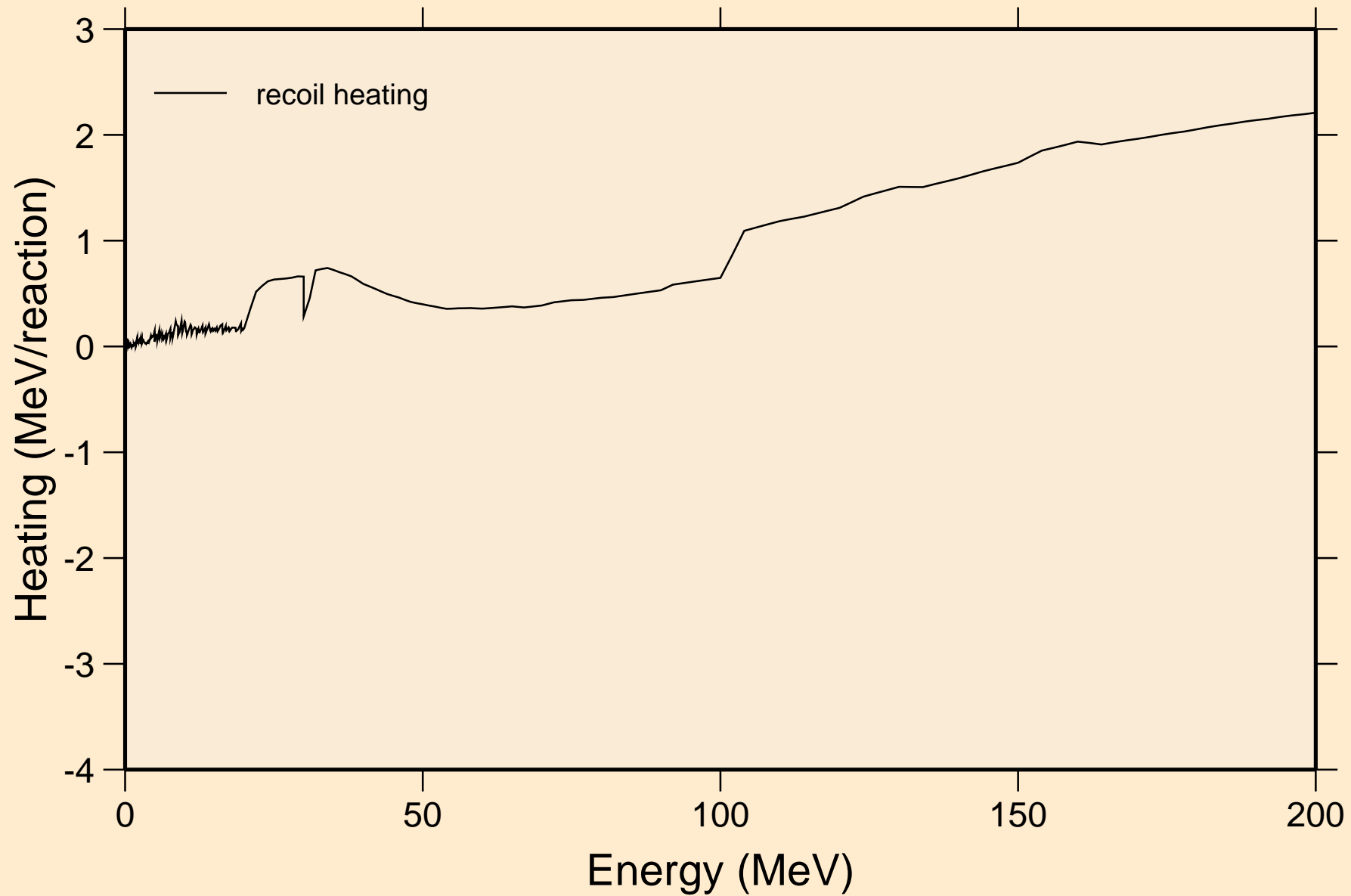


# TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Particle heating contributions

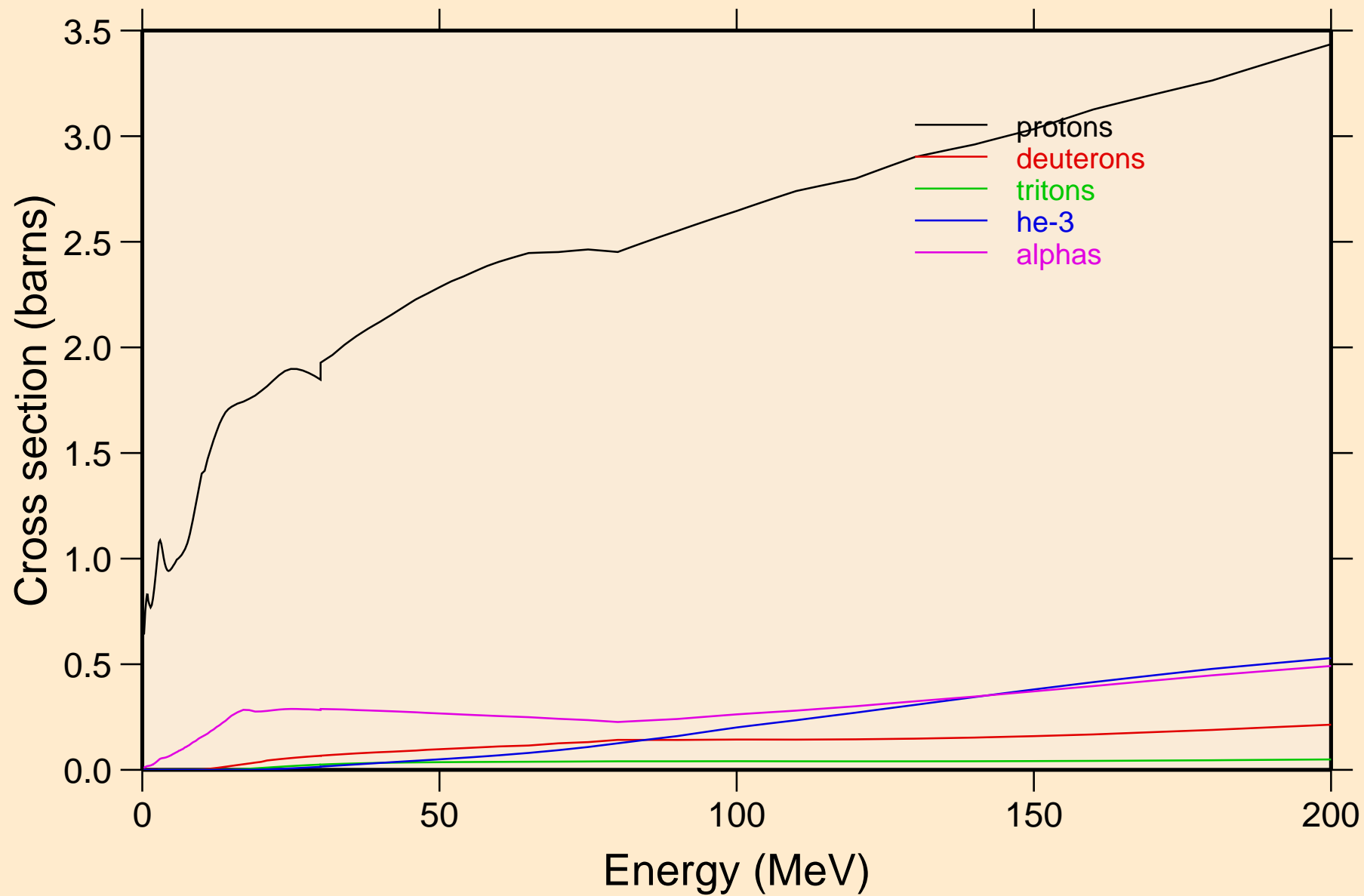


TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating

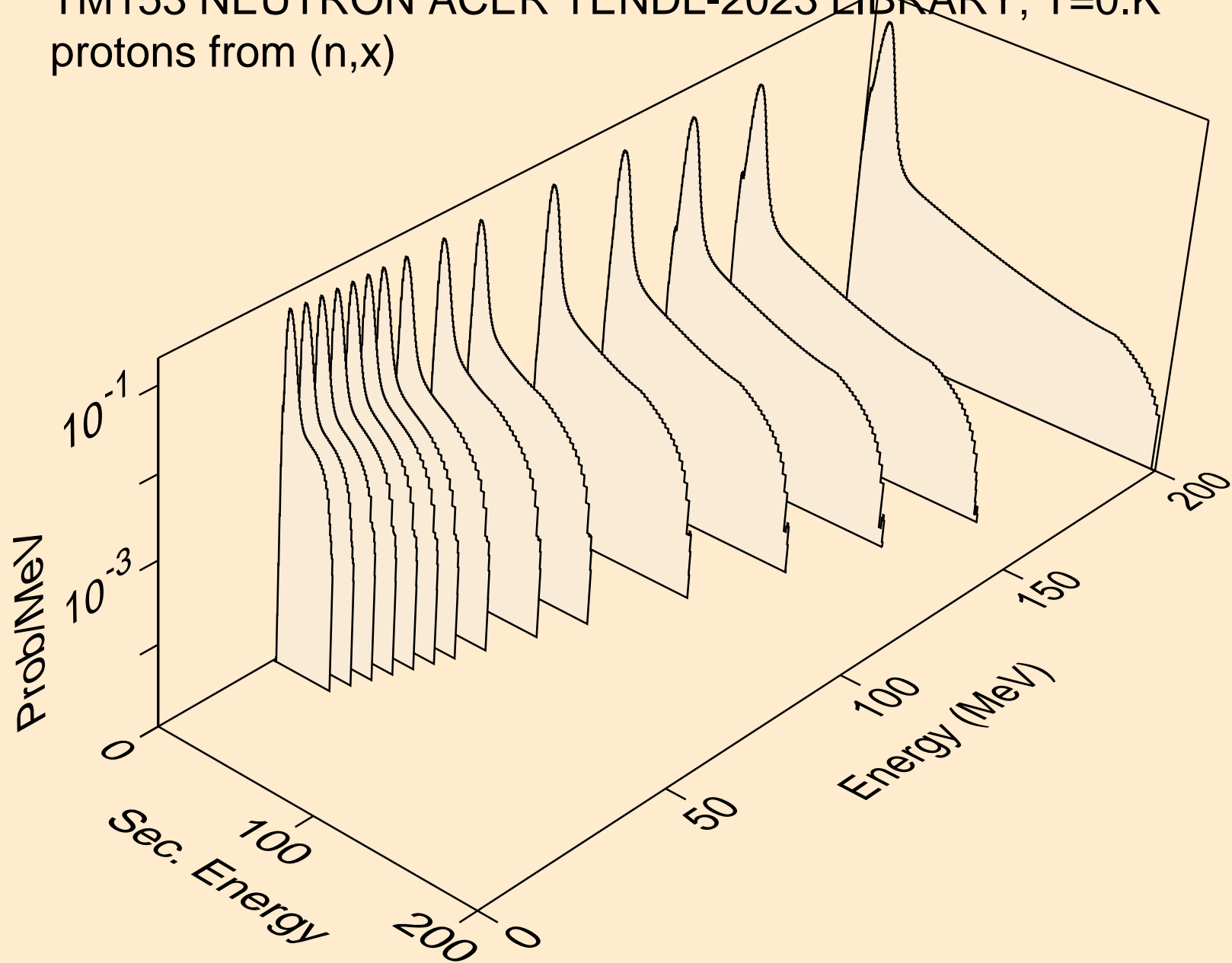


# TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

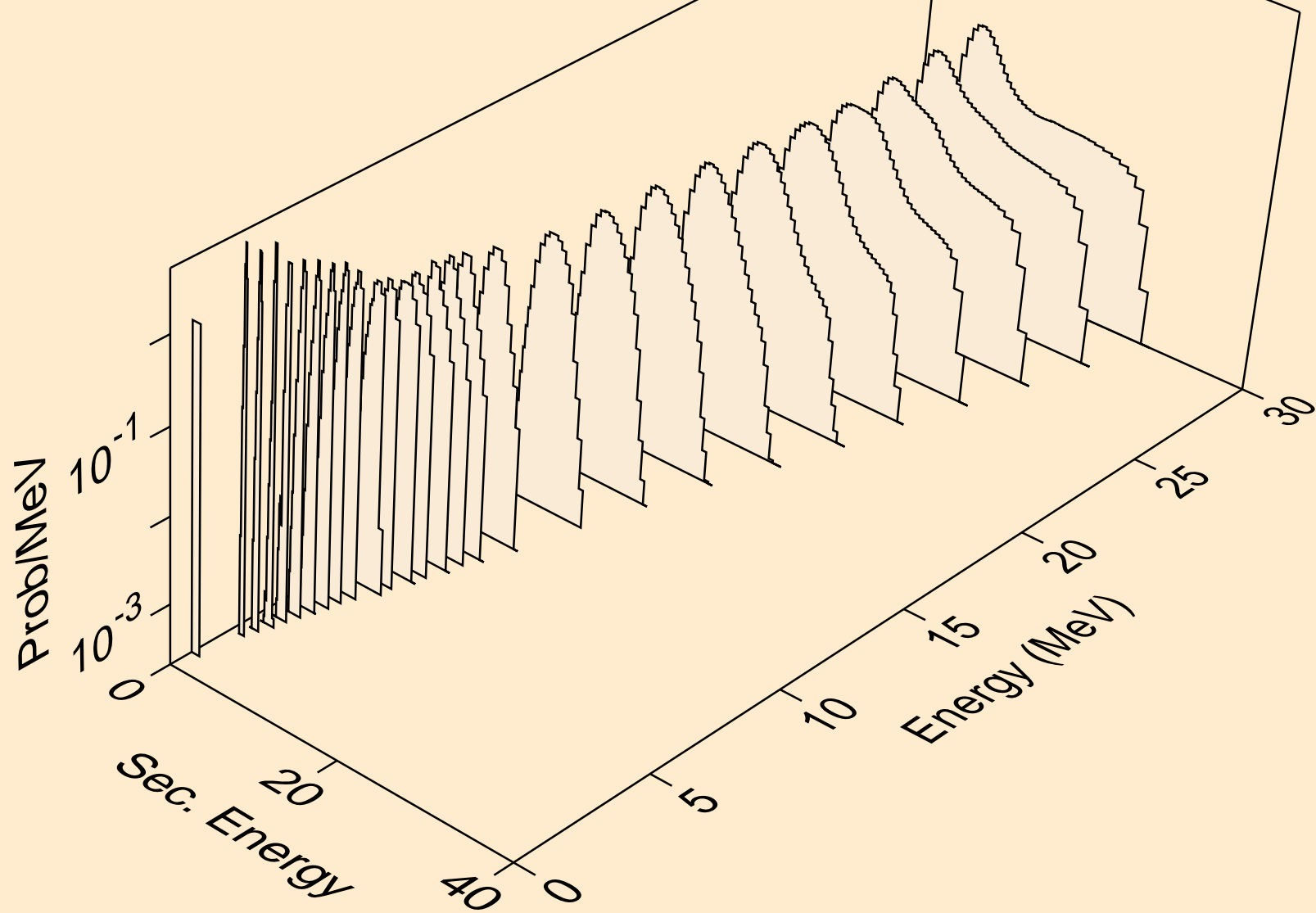
## Particle production cross sections



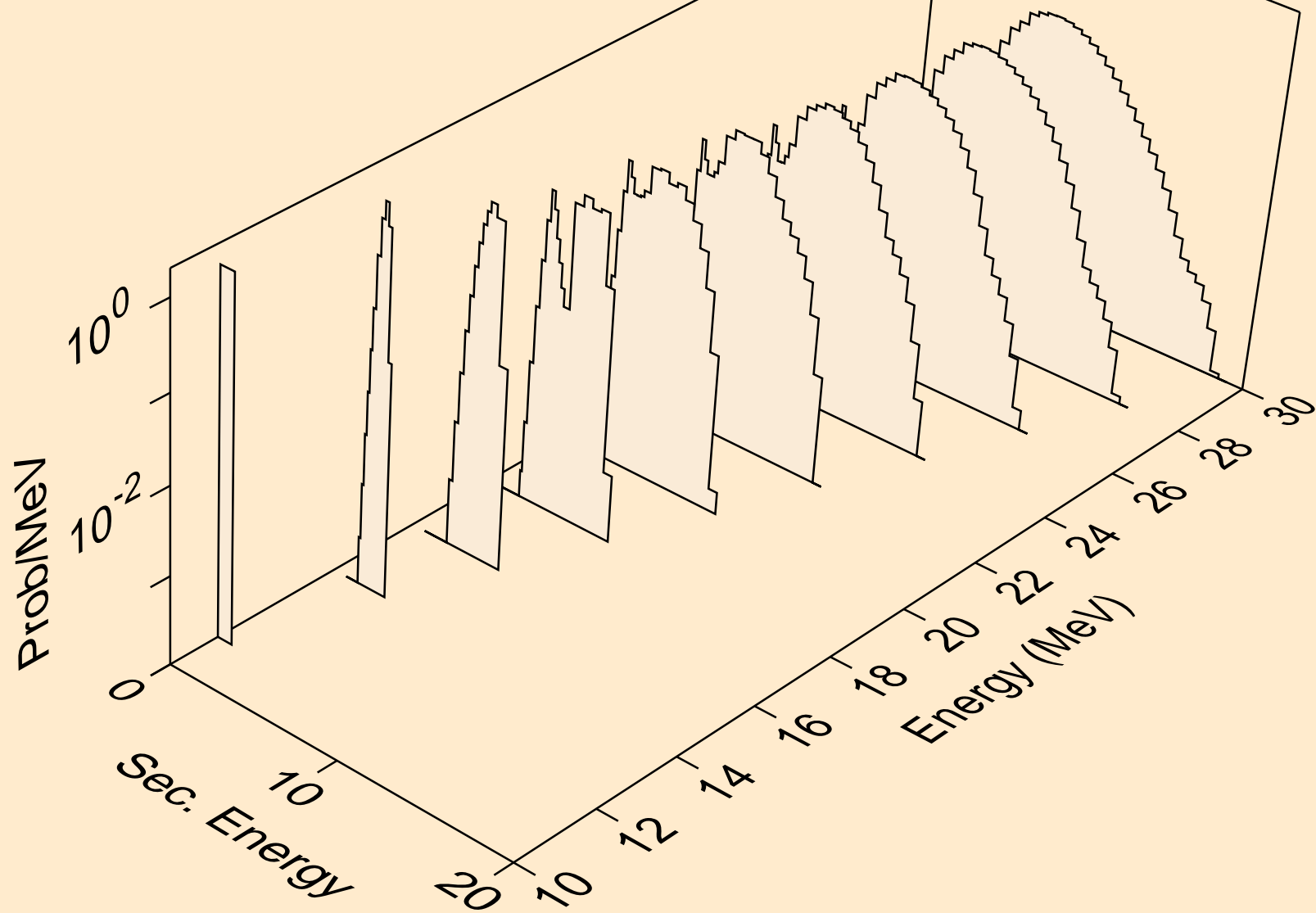
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,x)



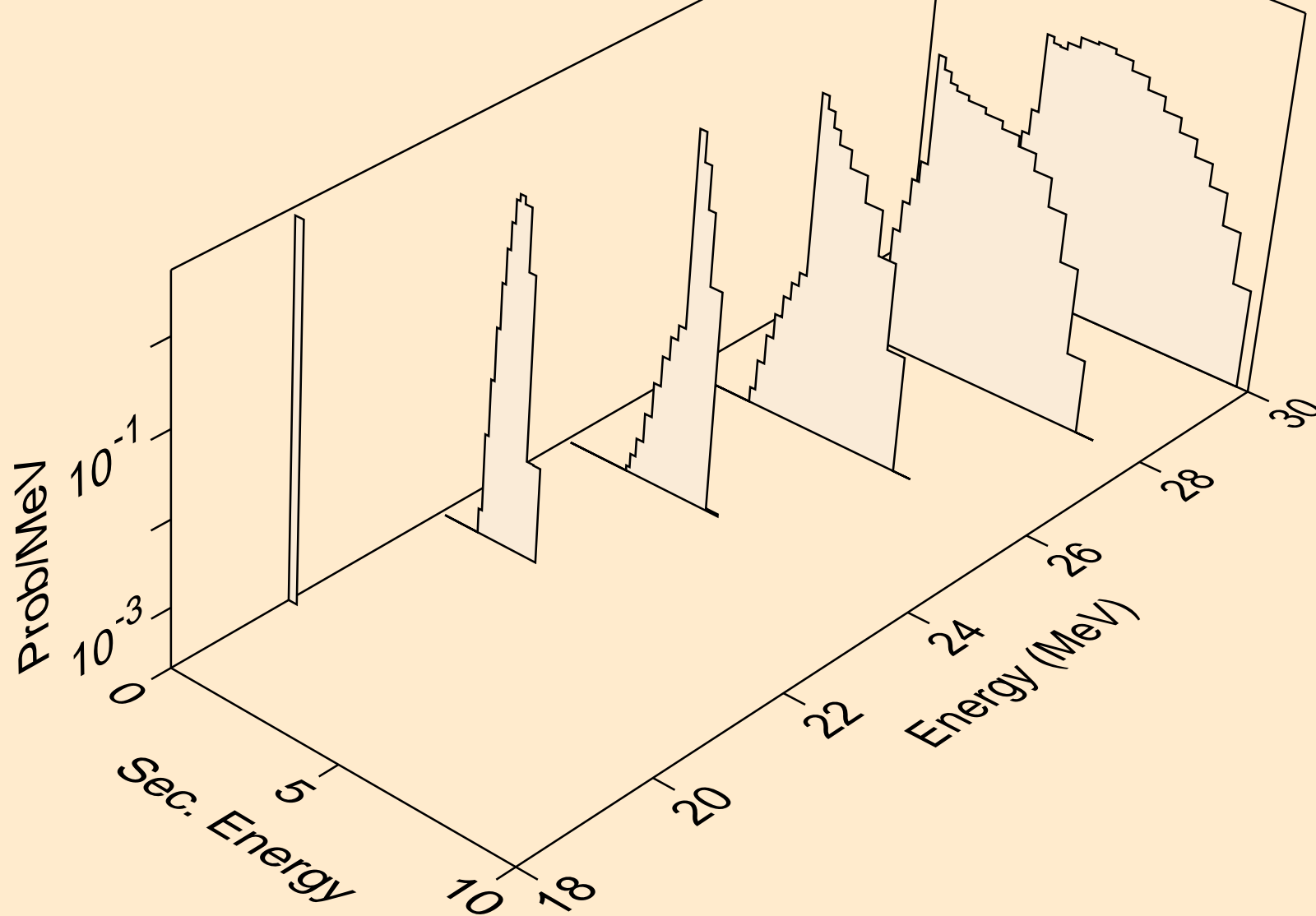
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n\*)p



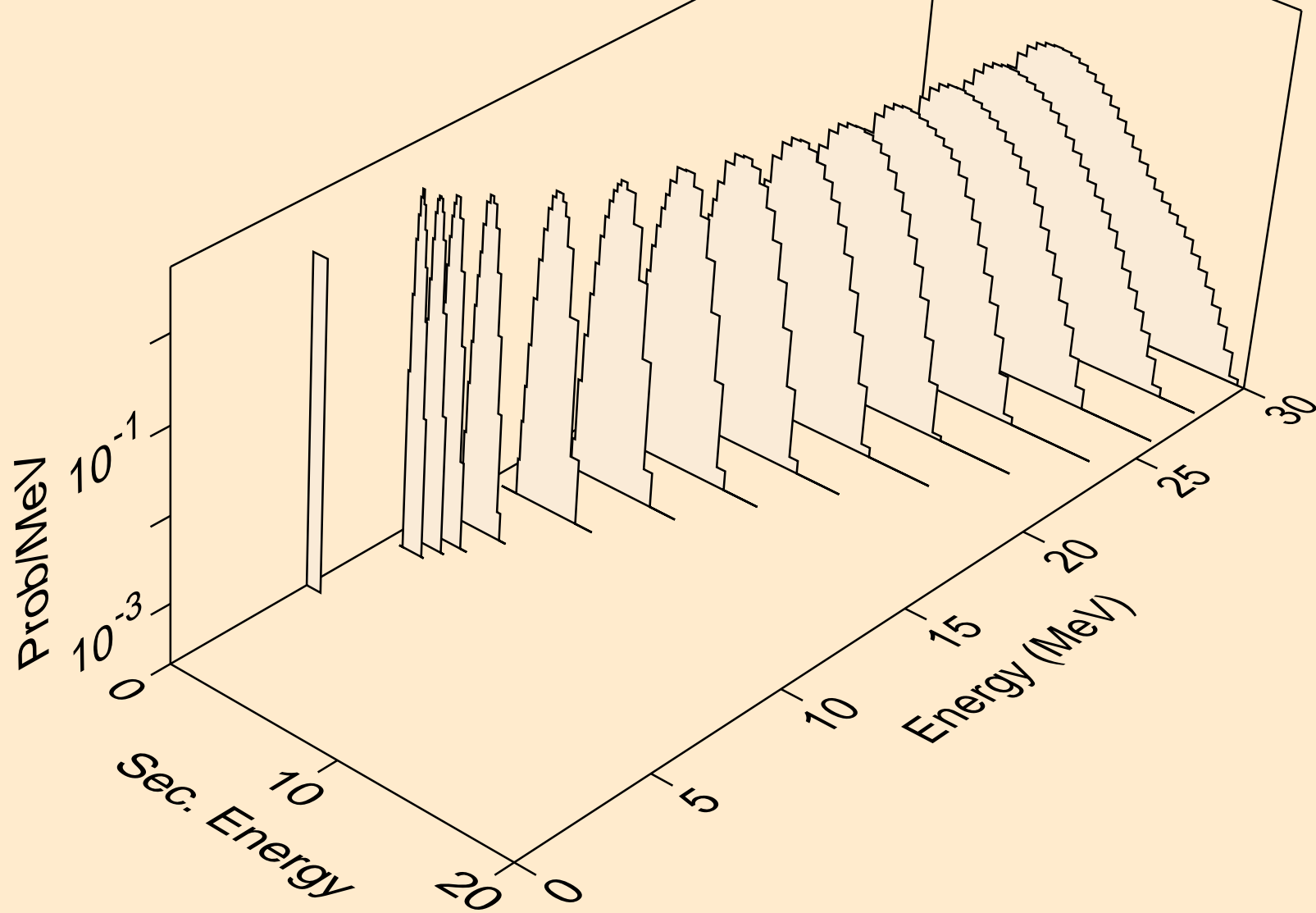
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,2np)



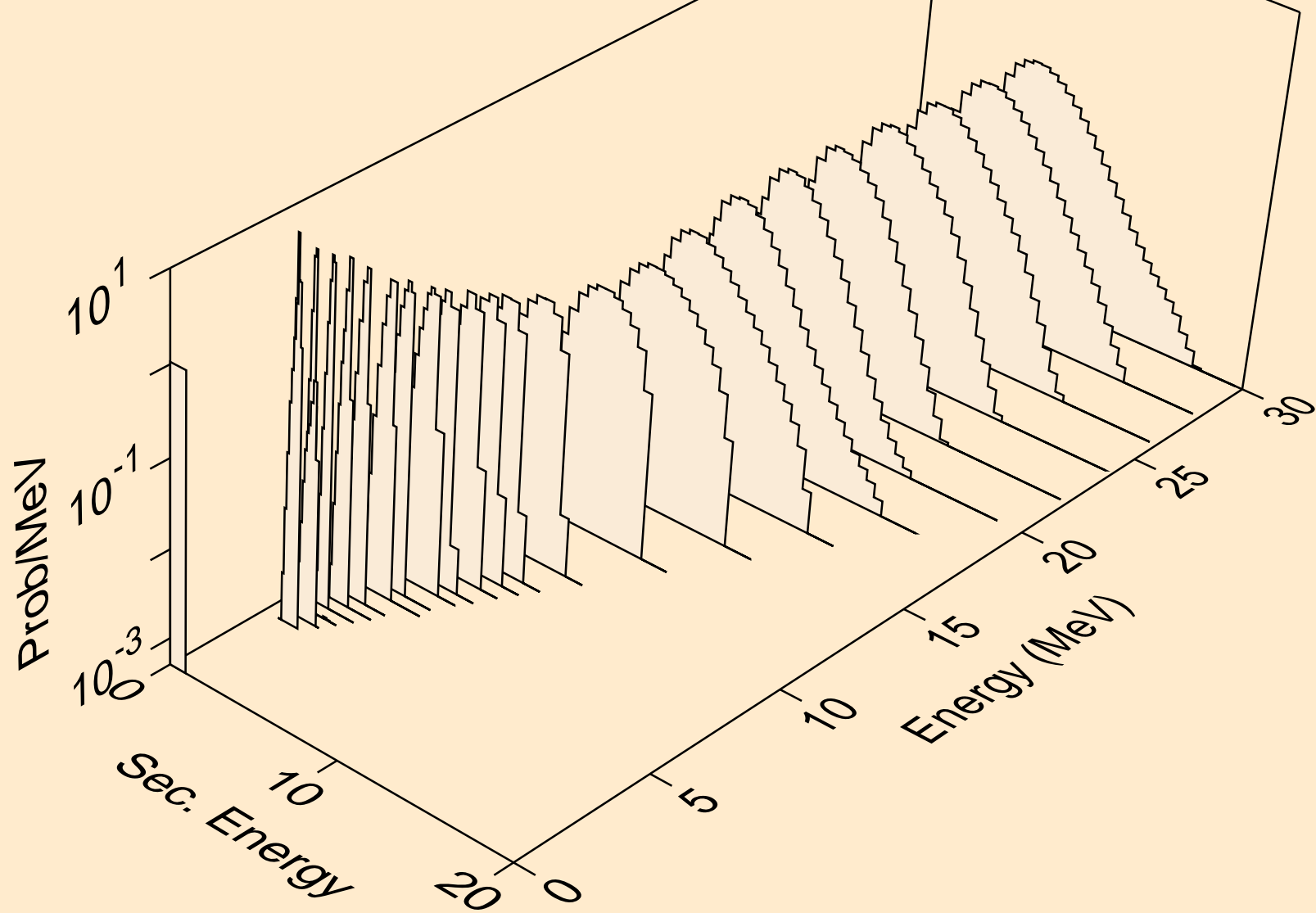
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,3np)



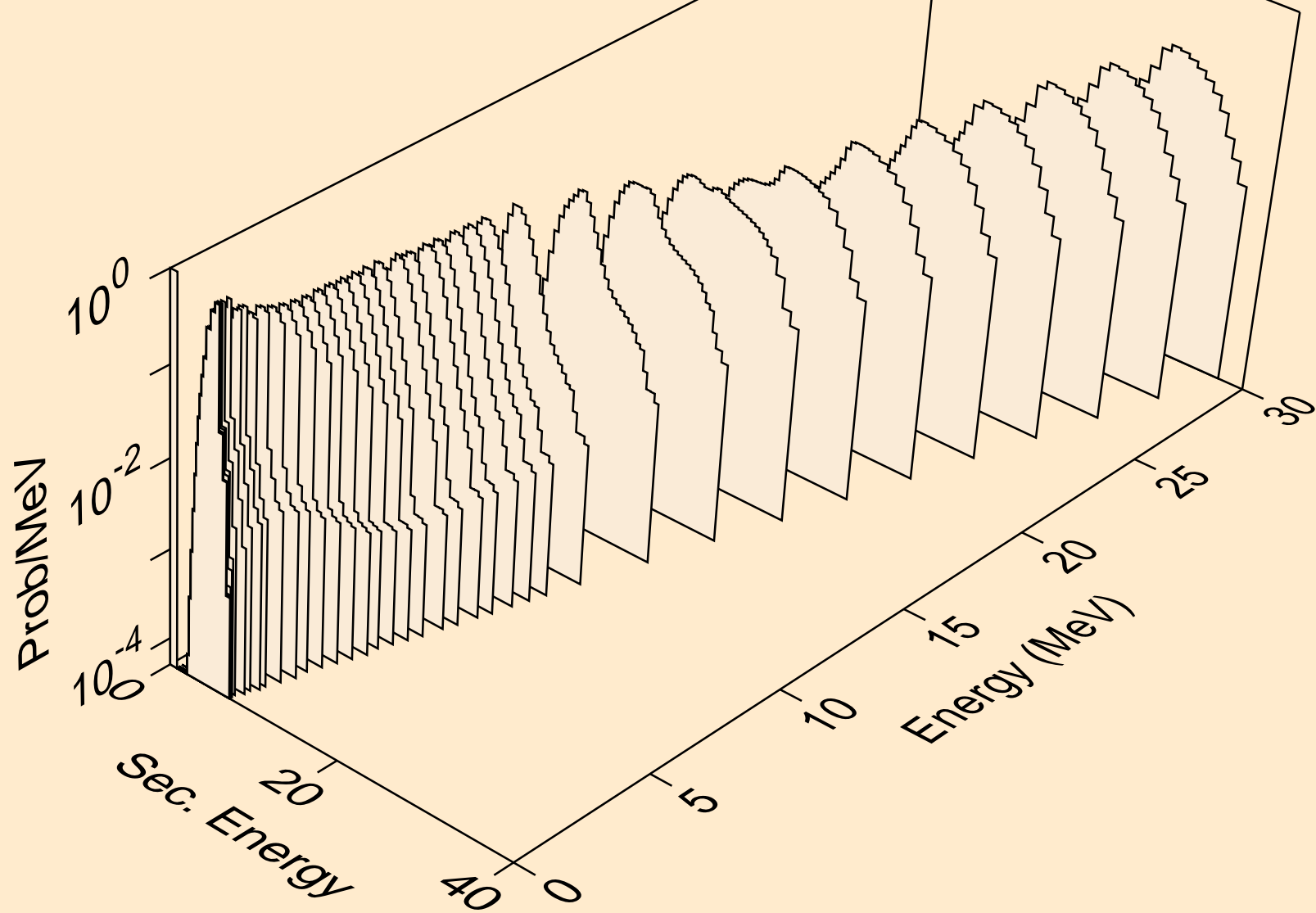
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n2p)



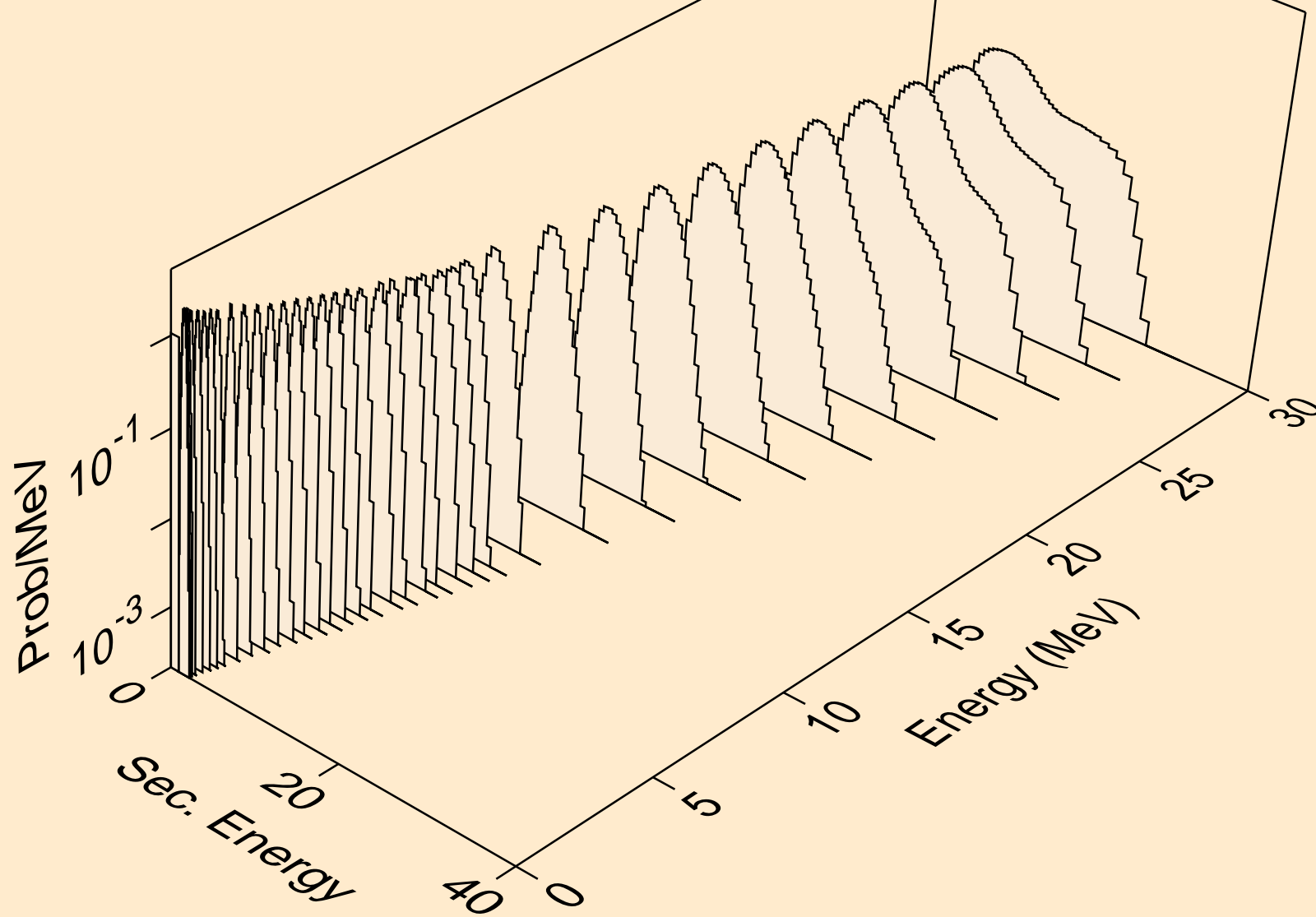
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,npa)



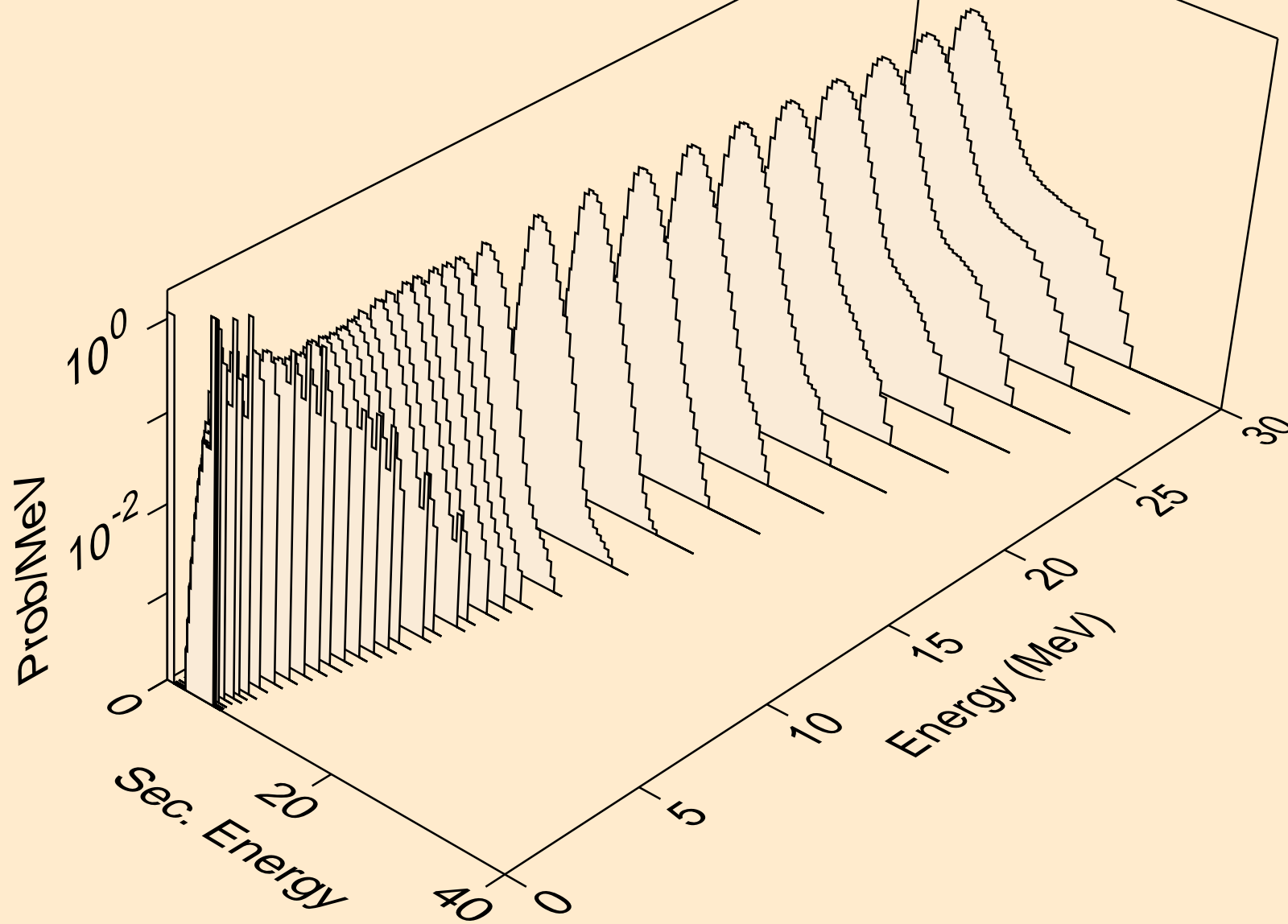
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protons from (n,p)



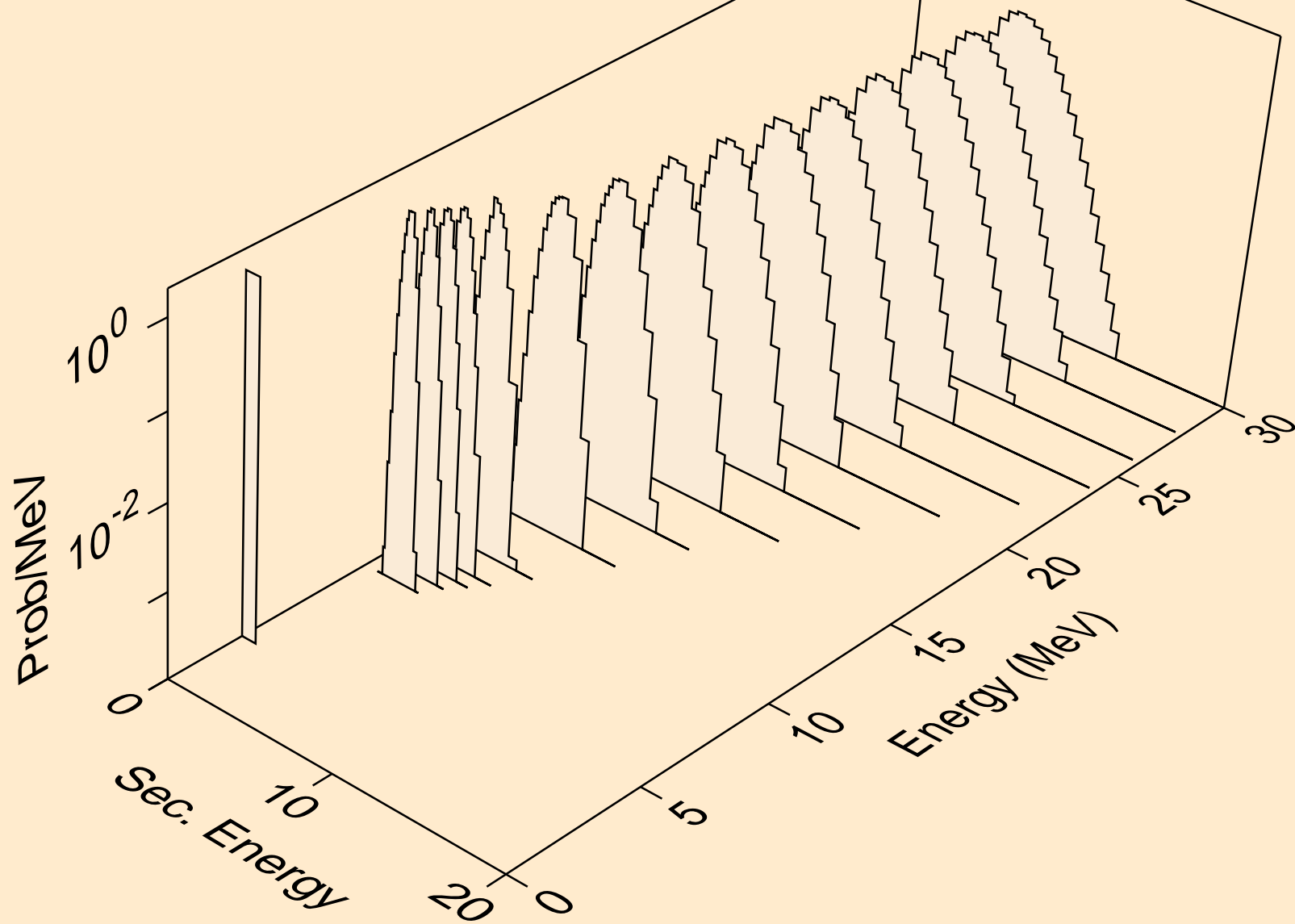
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protons from (n,2p)



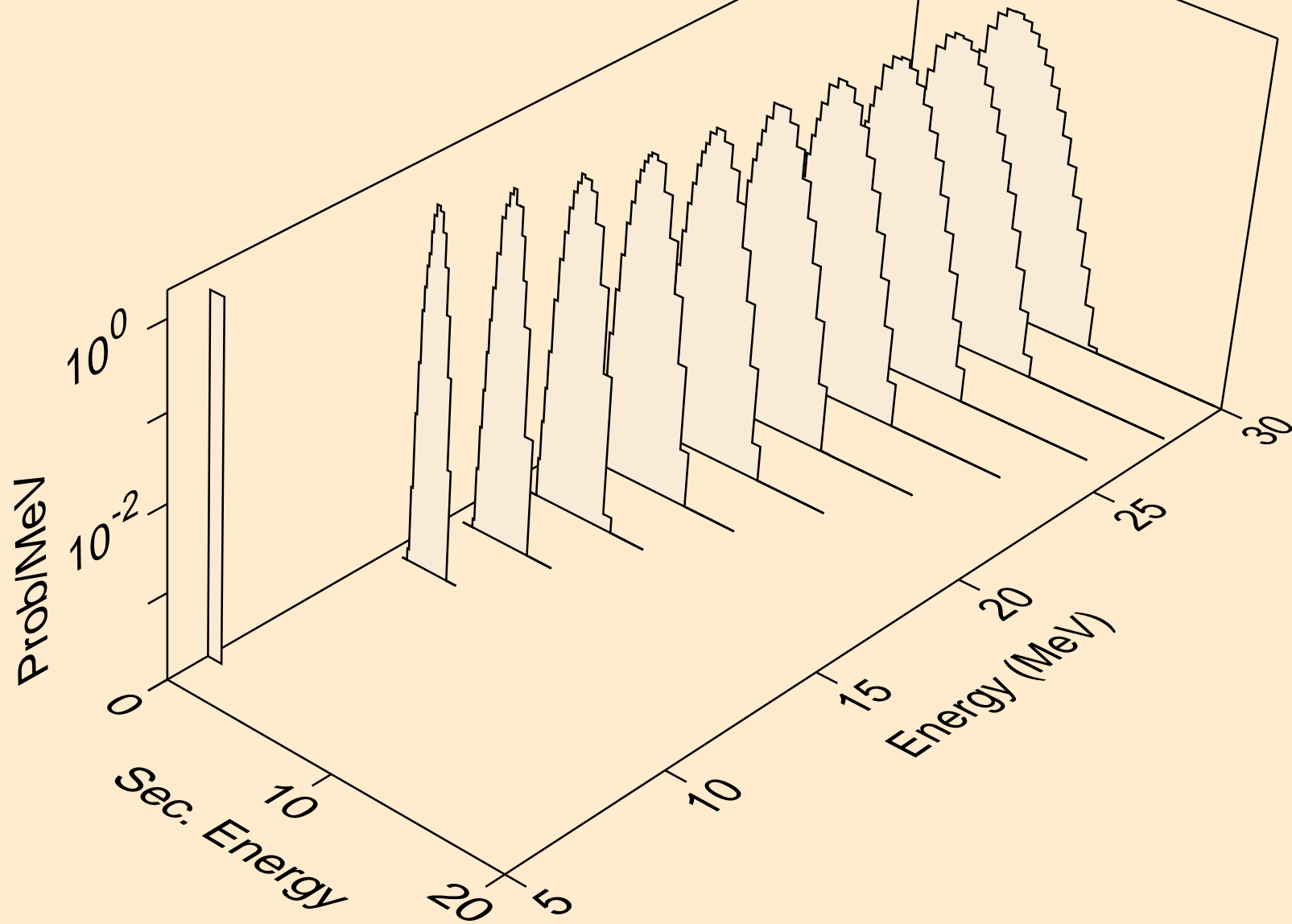
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,p)



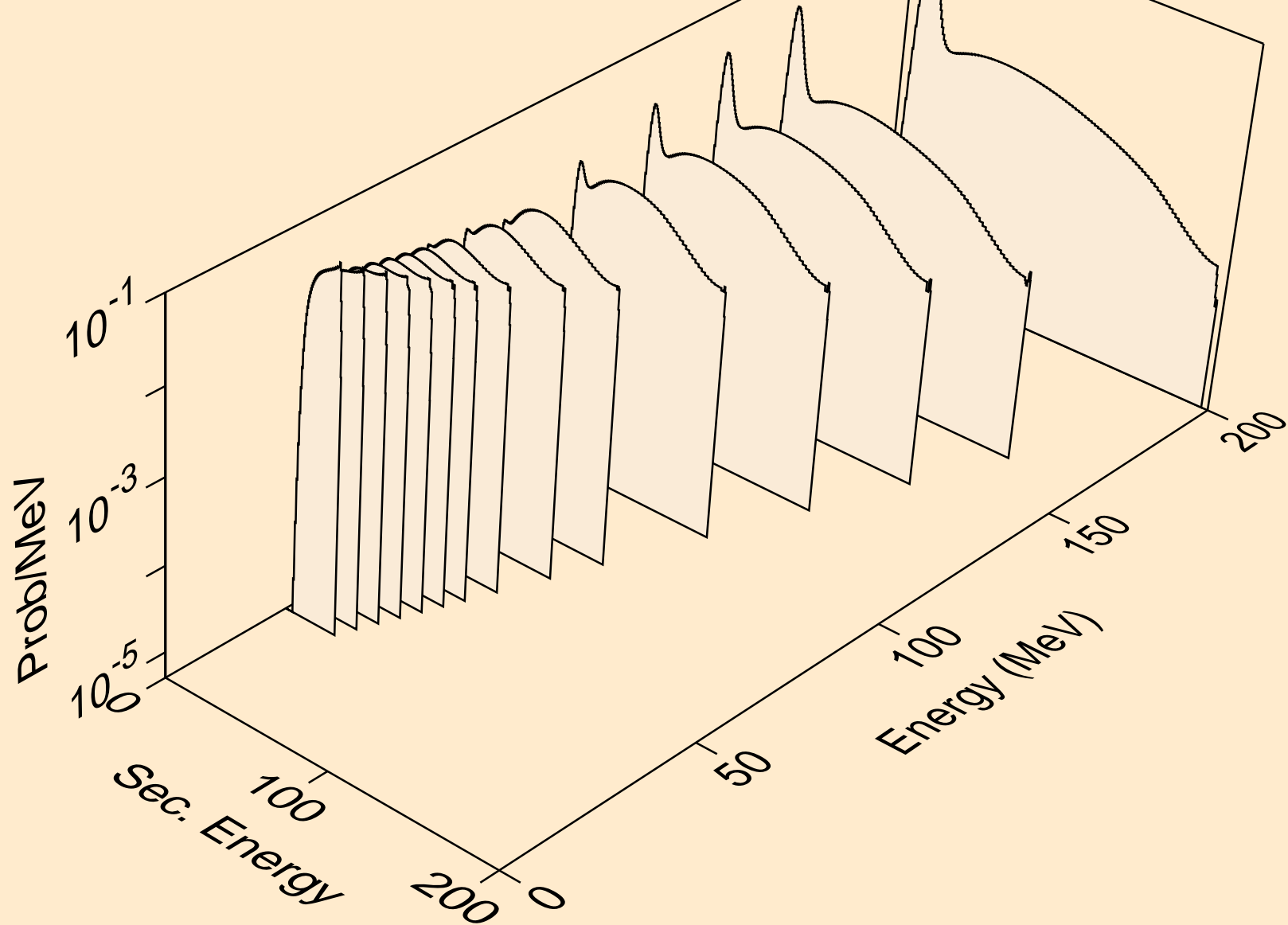
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,pd)



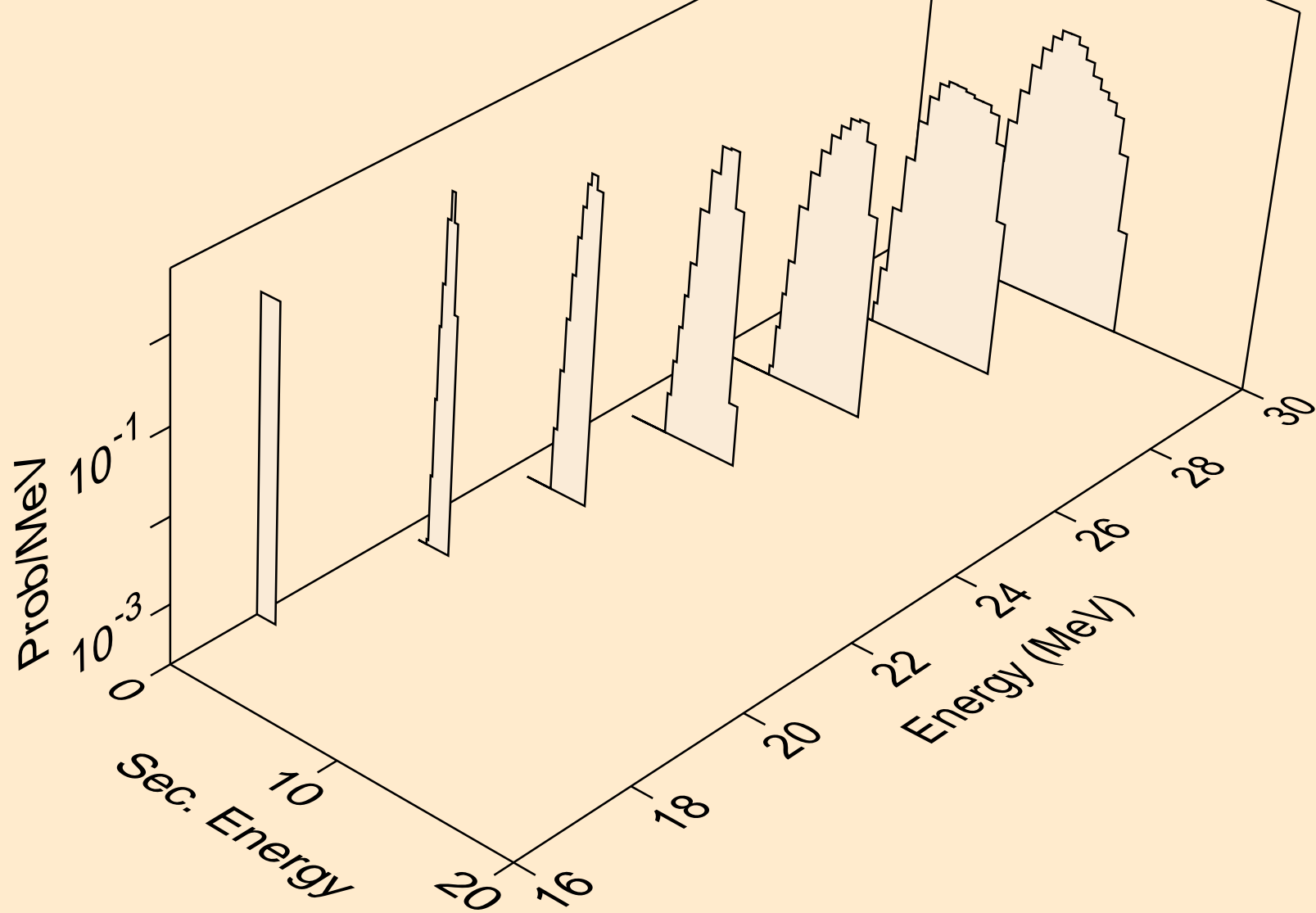
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,pt)



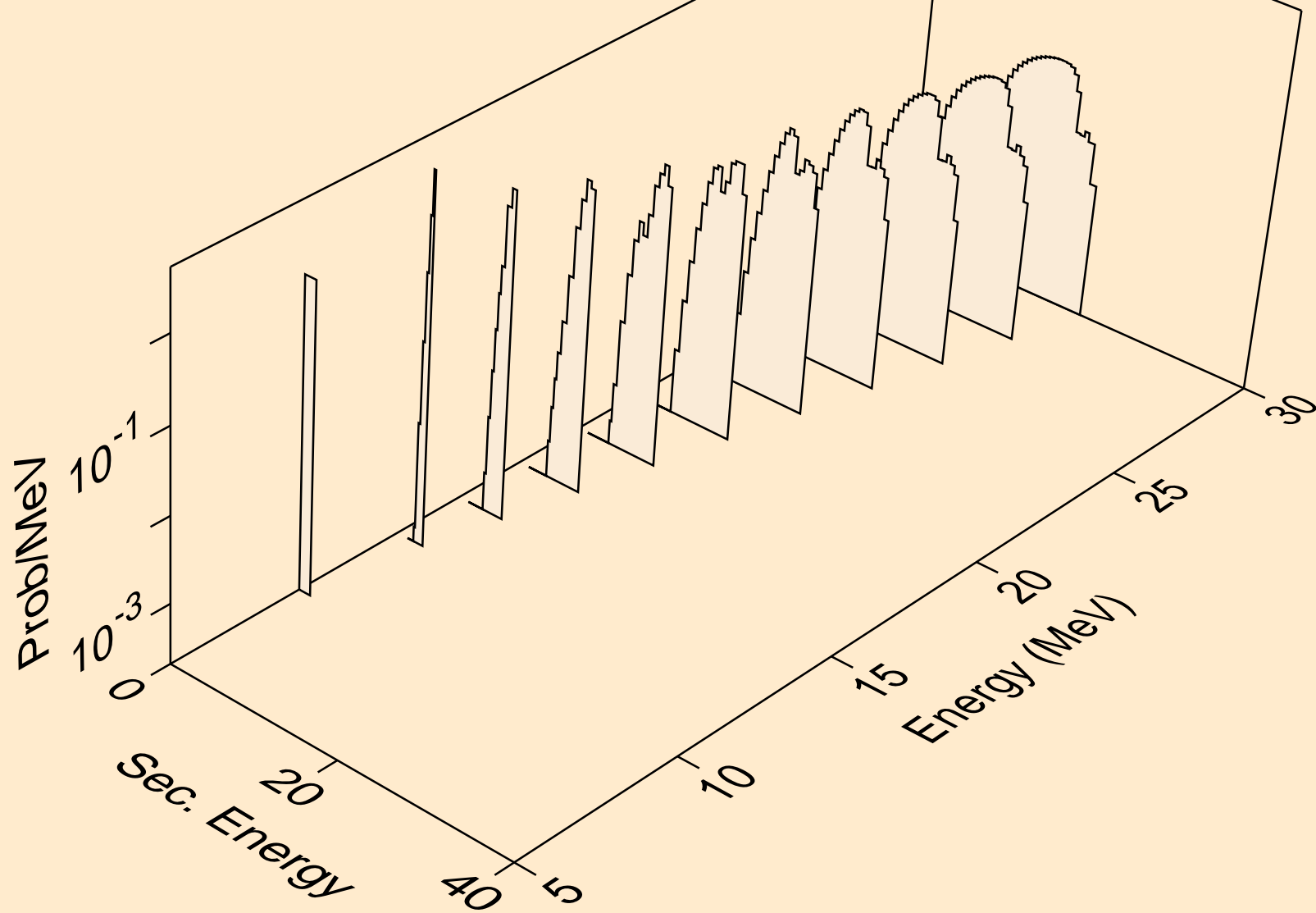
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,x)



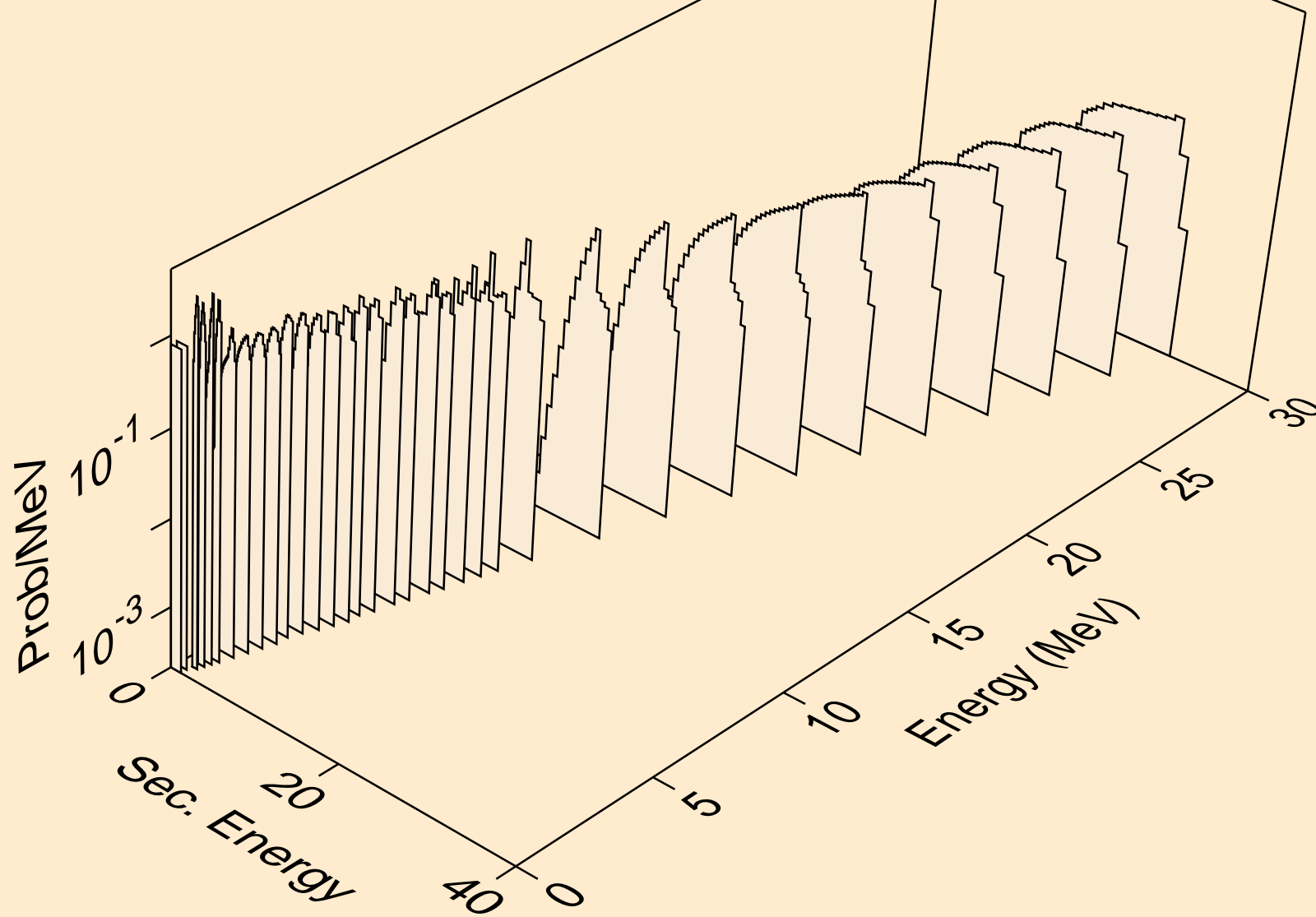
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deuterons from (n,2nd)



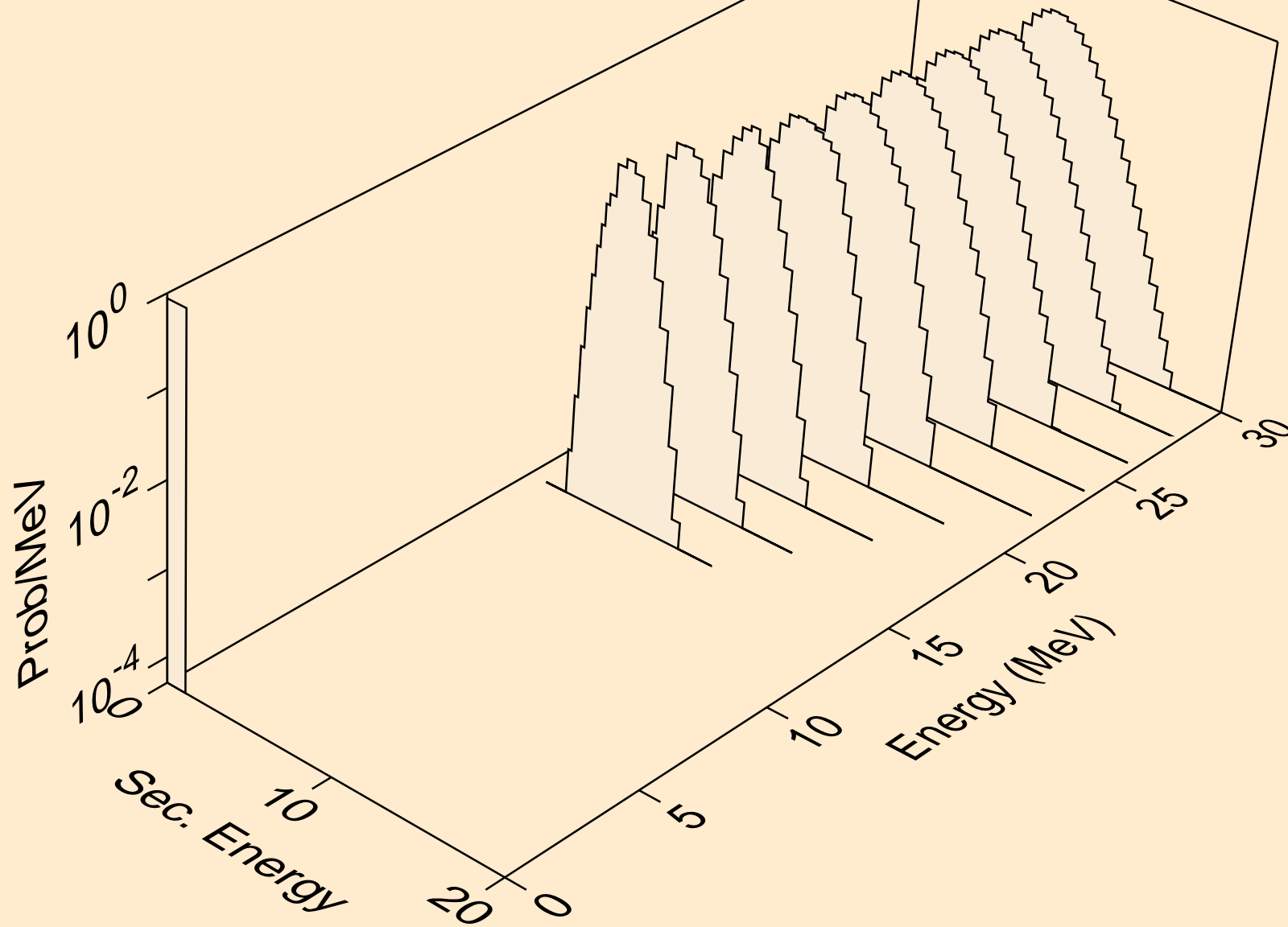
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,n\*)d



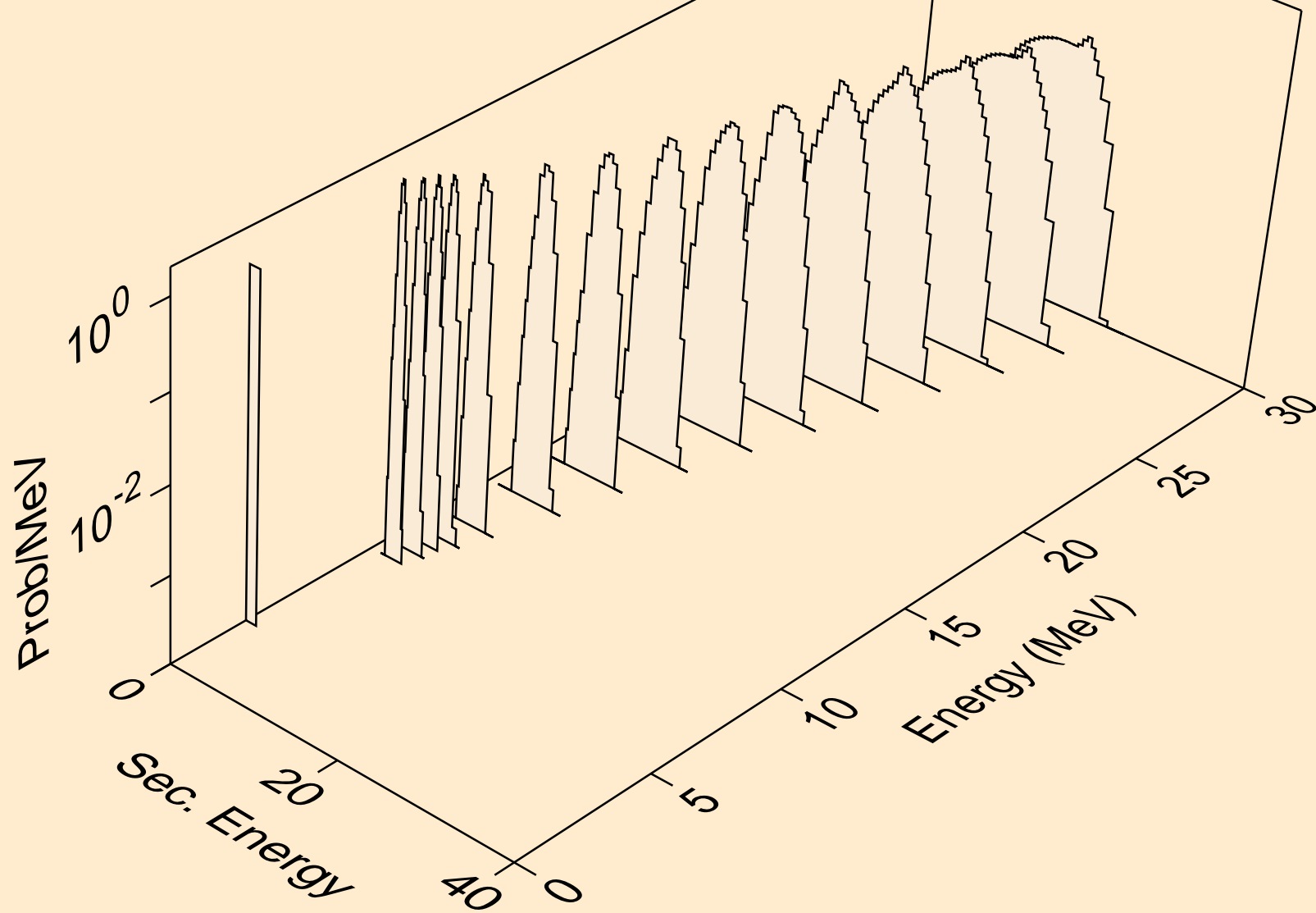
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,d)



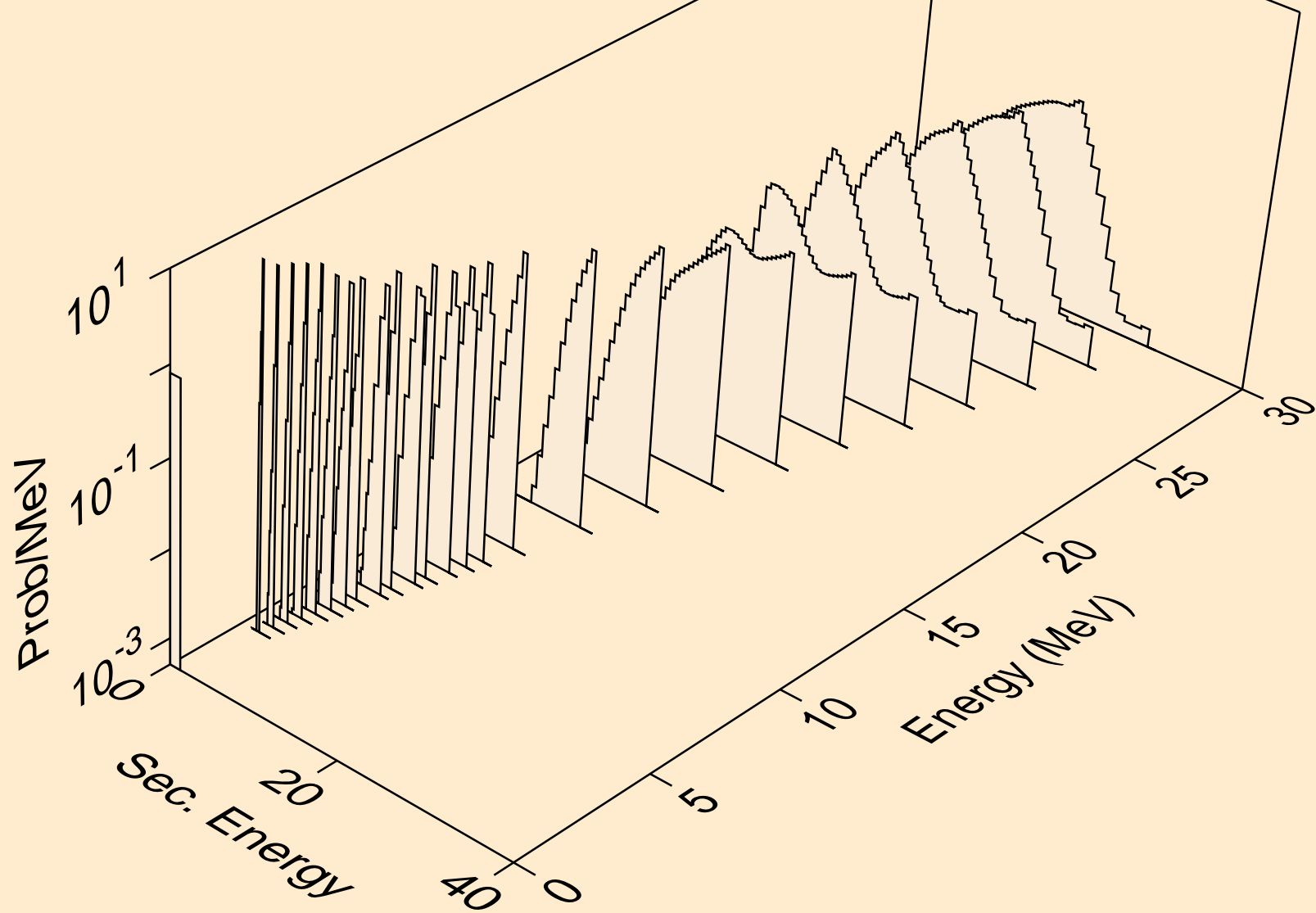
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,d2a)



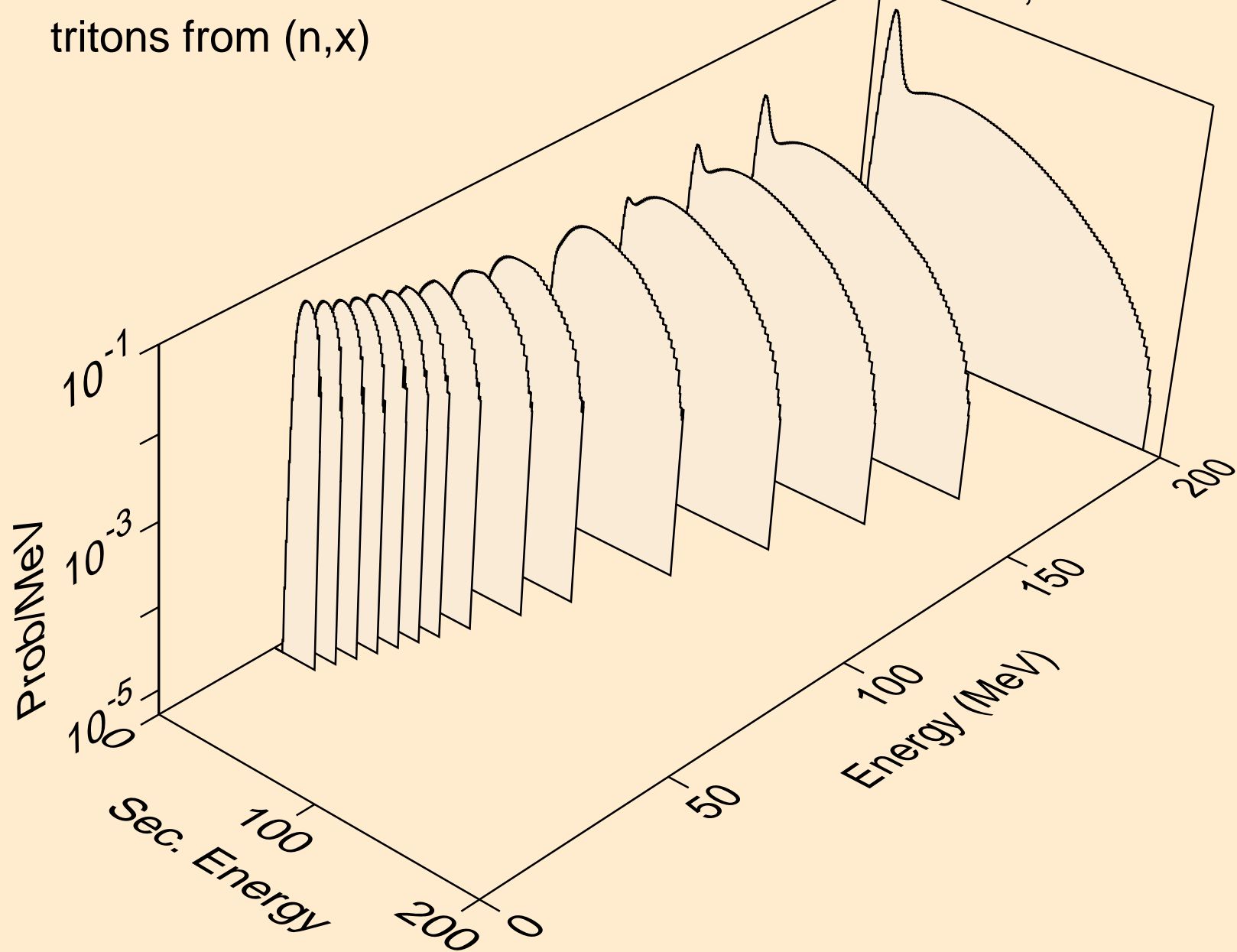
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,pd)



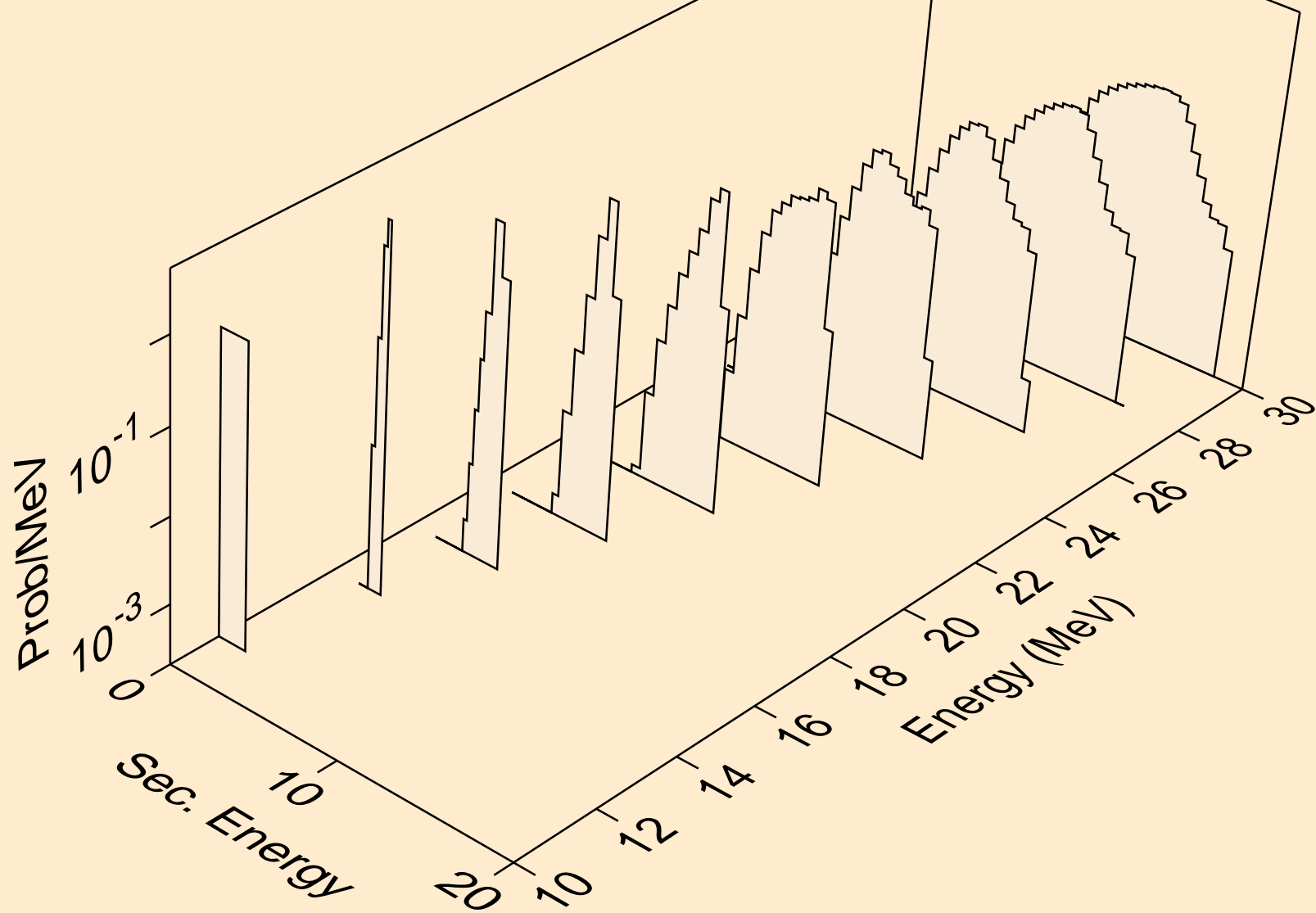
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deuterons from (n,da)



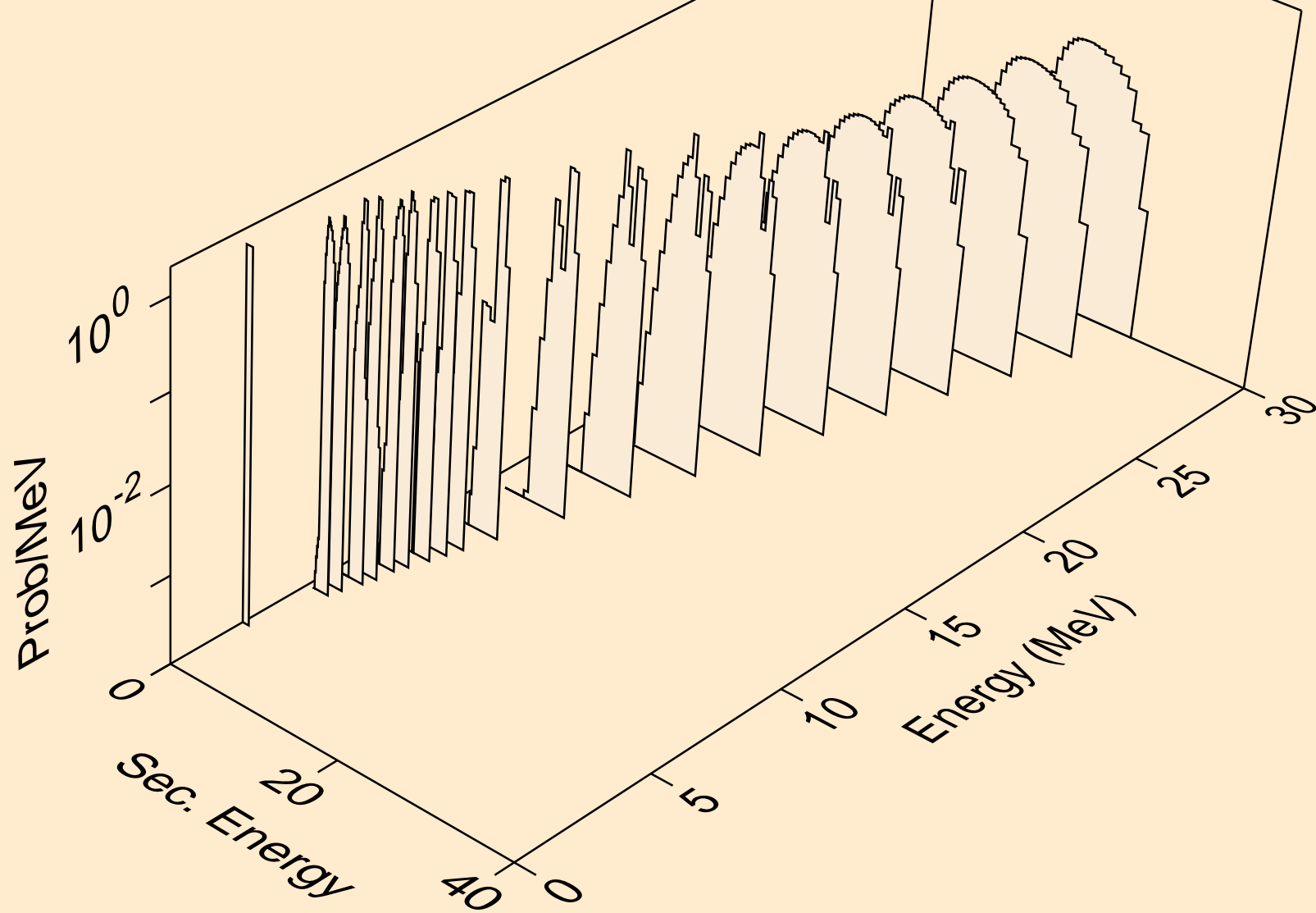
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,x)



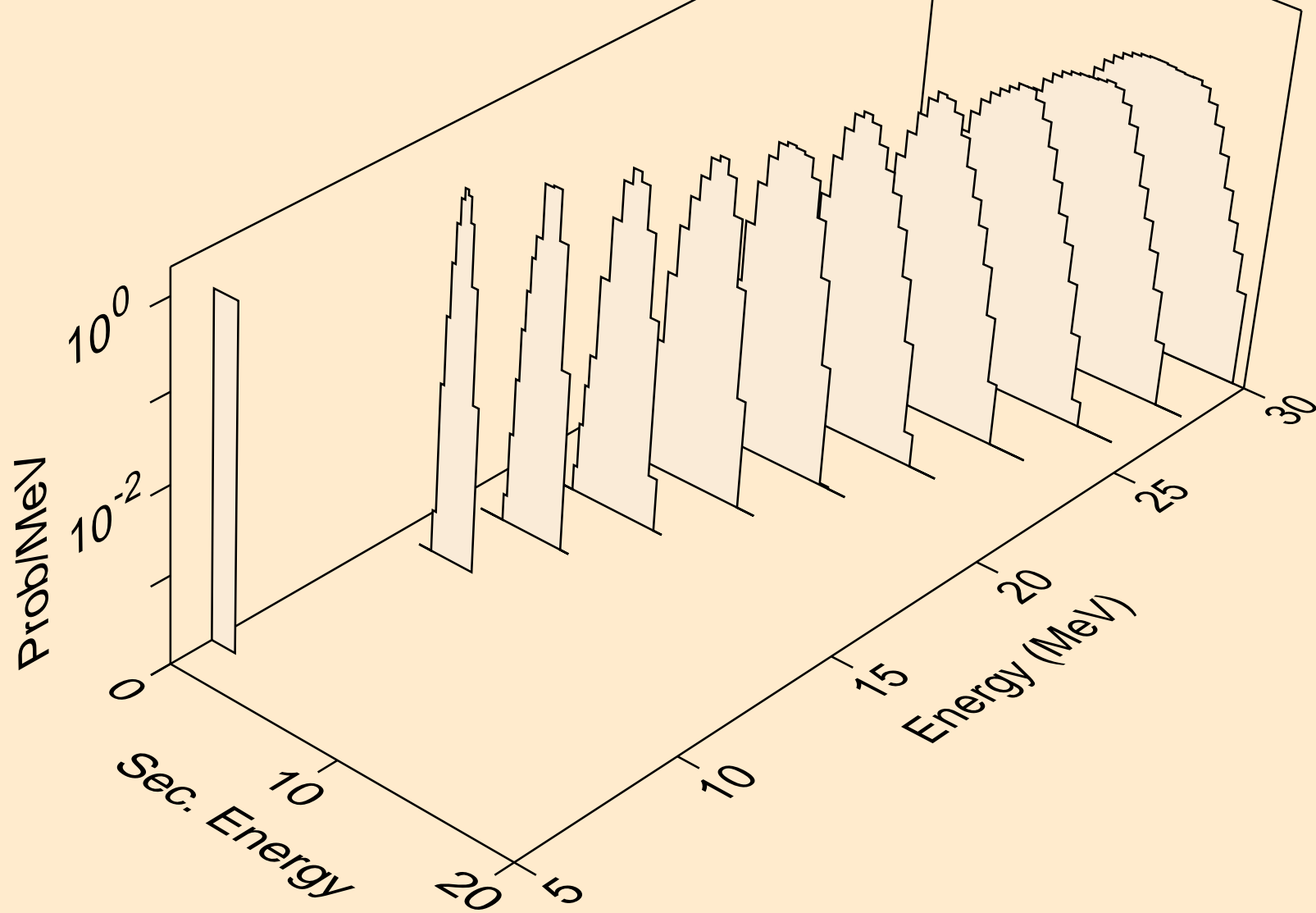
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,n\*)t



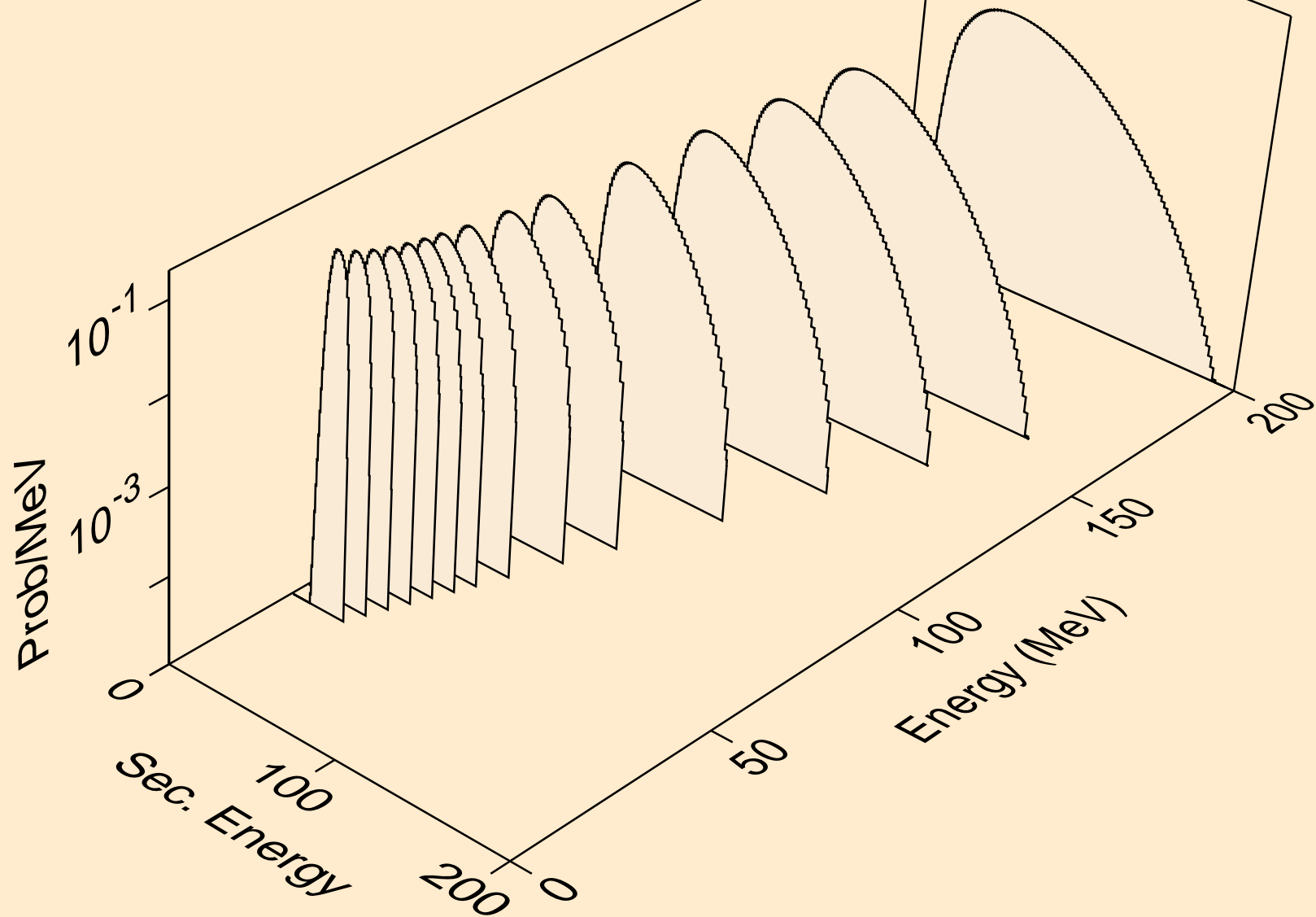
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,t)



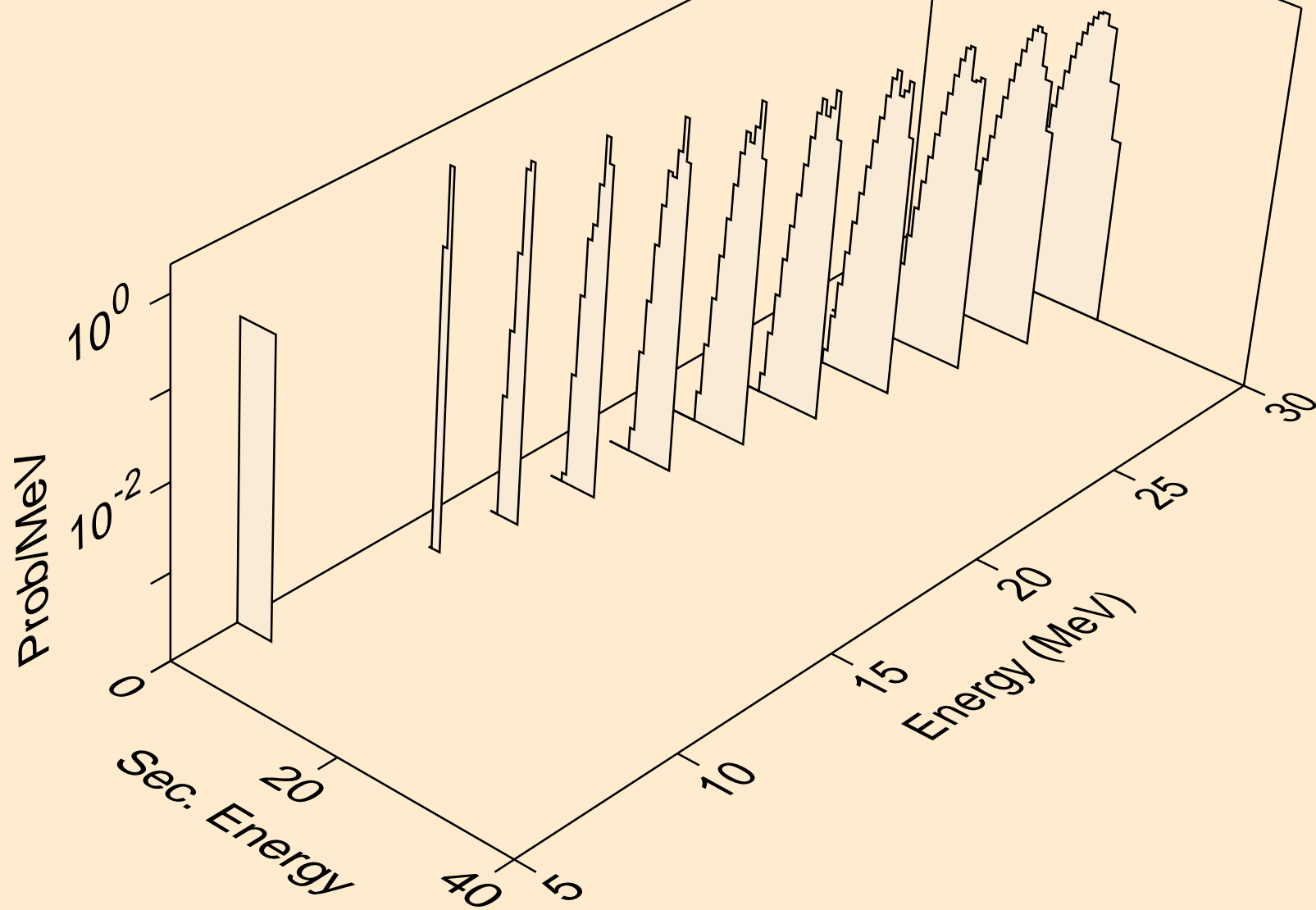
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,pt)



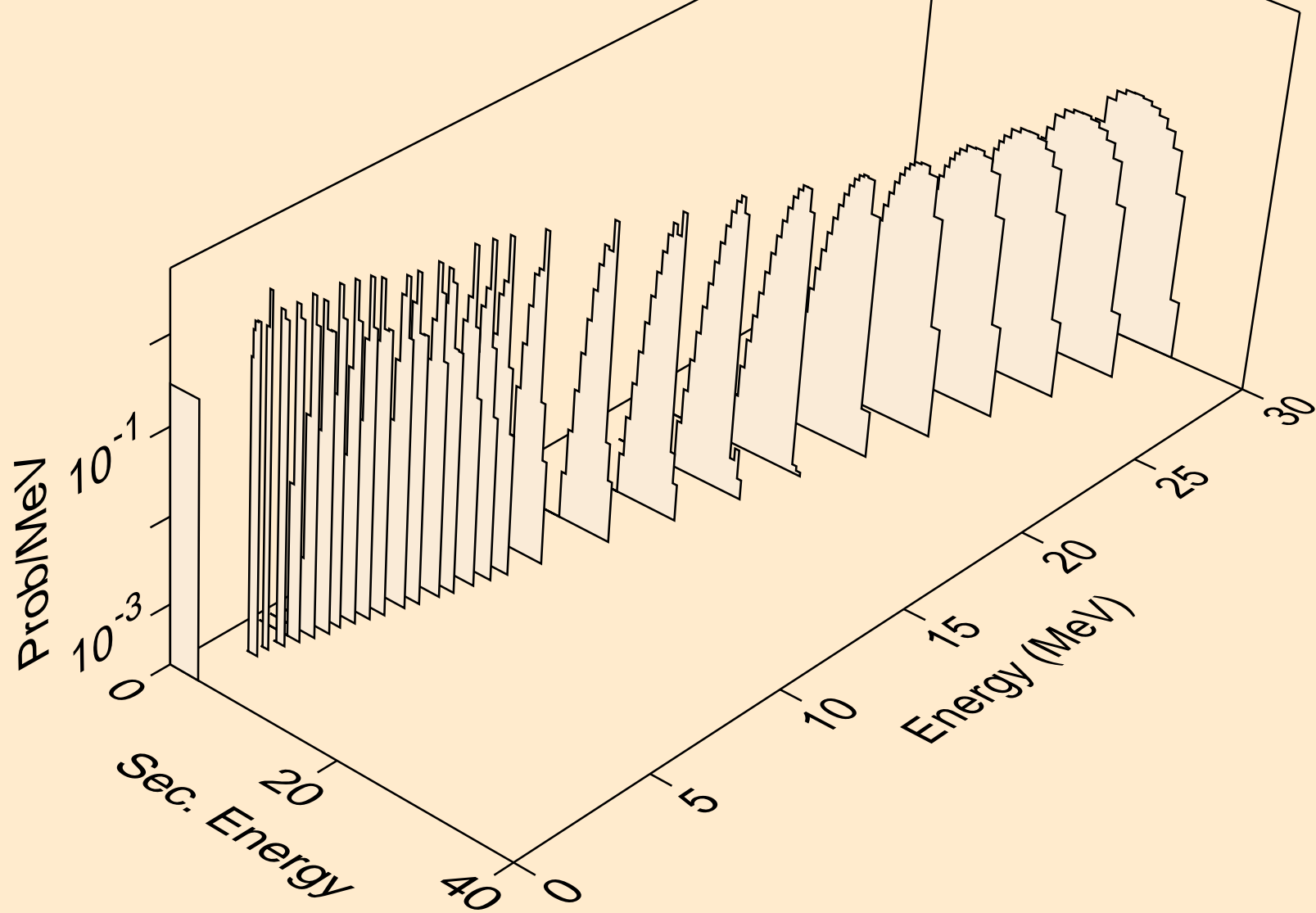
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,x)



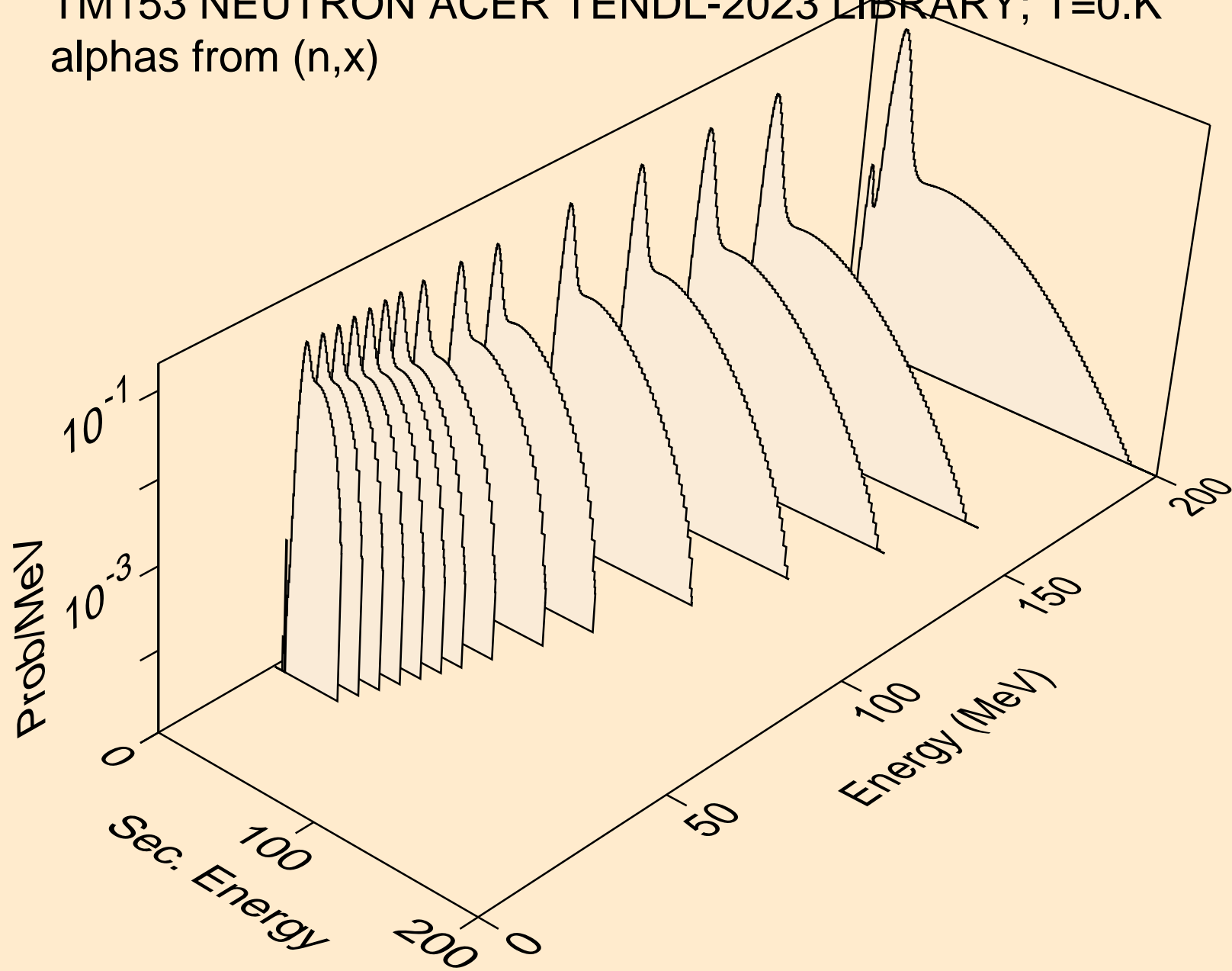
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,n\*)he3



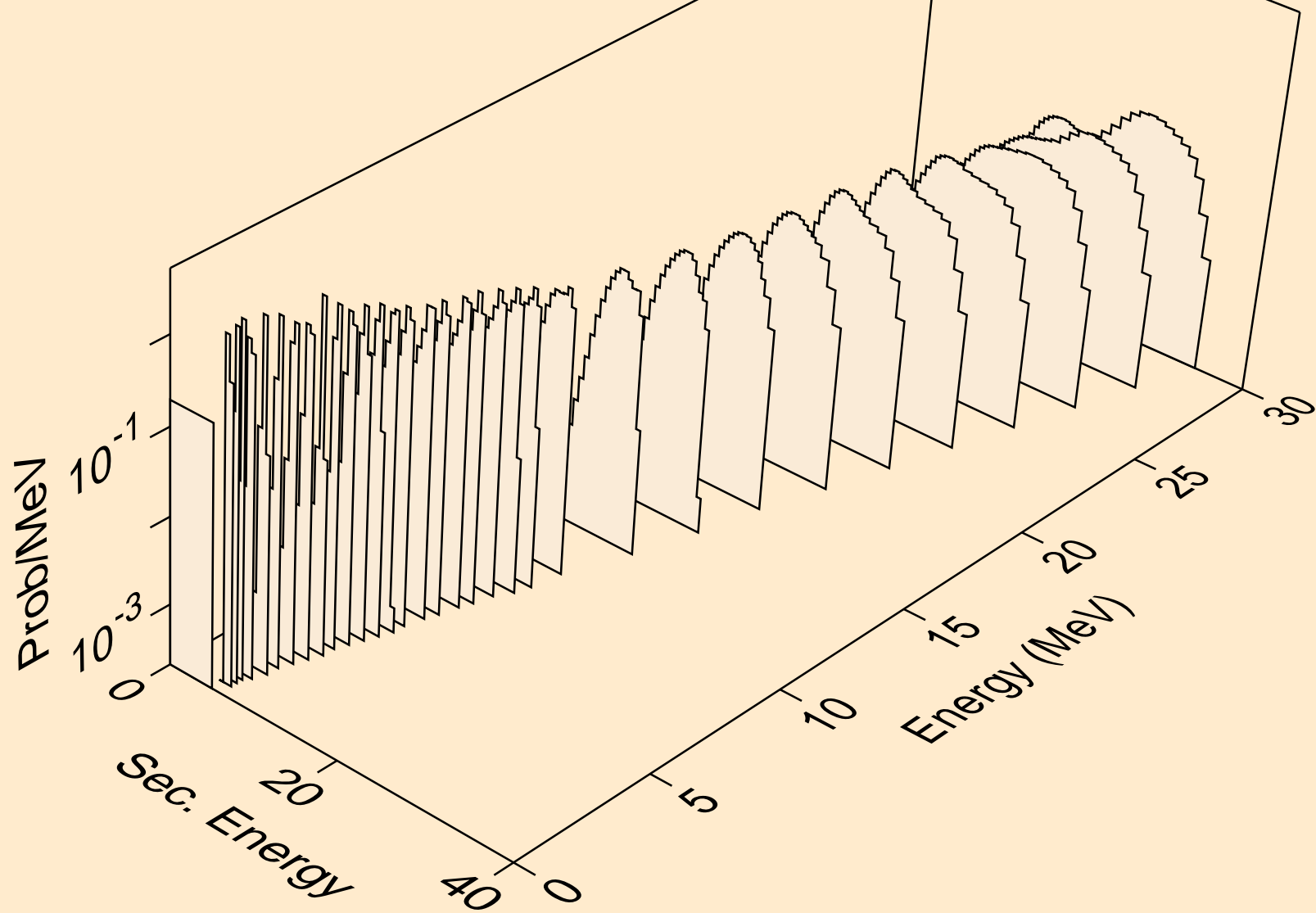
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,he3)



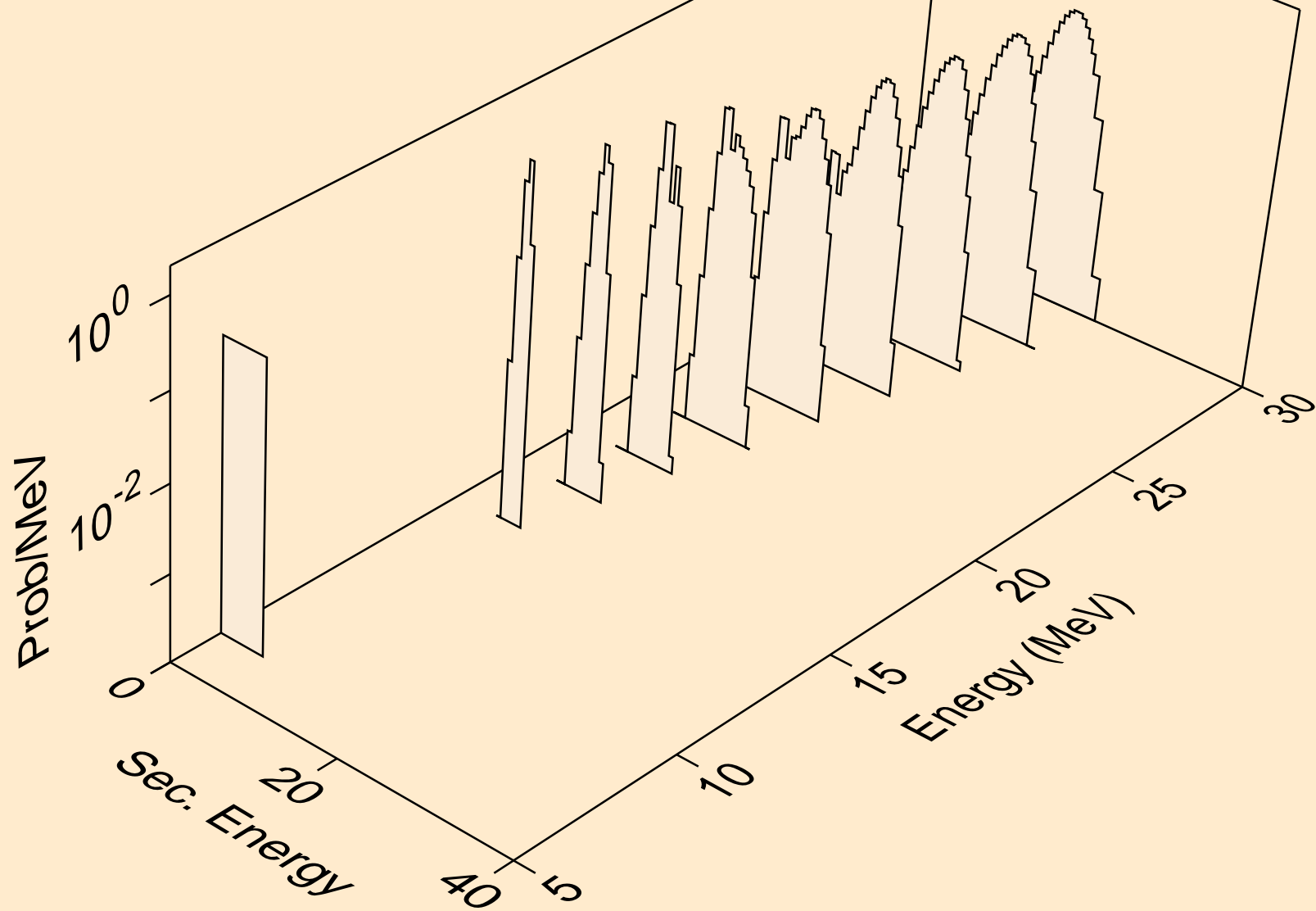
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,x)



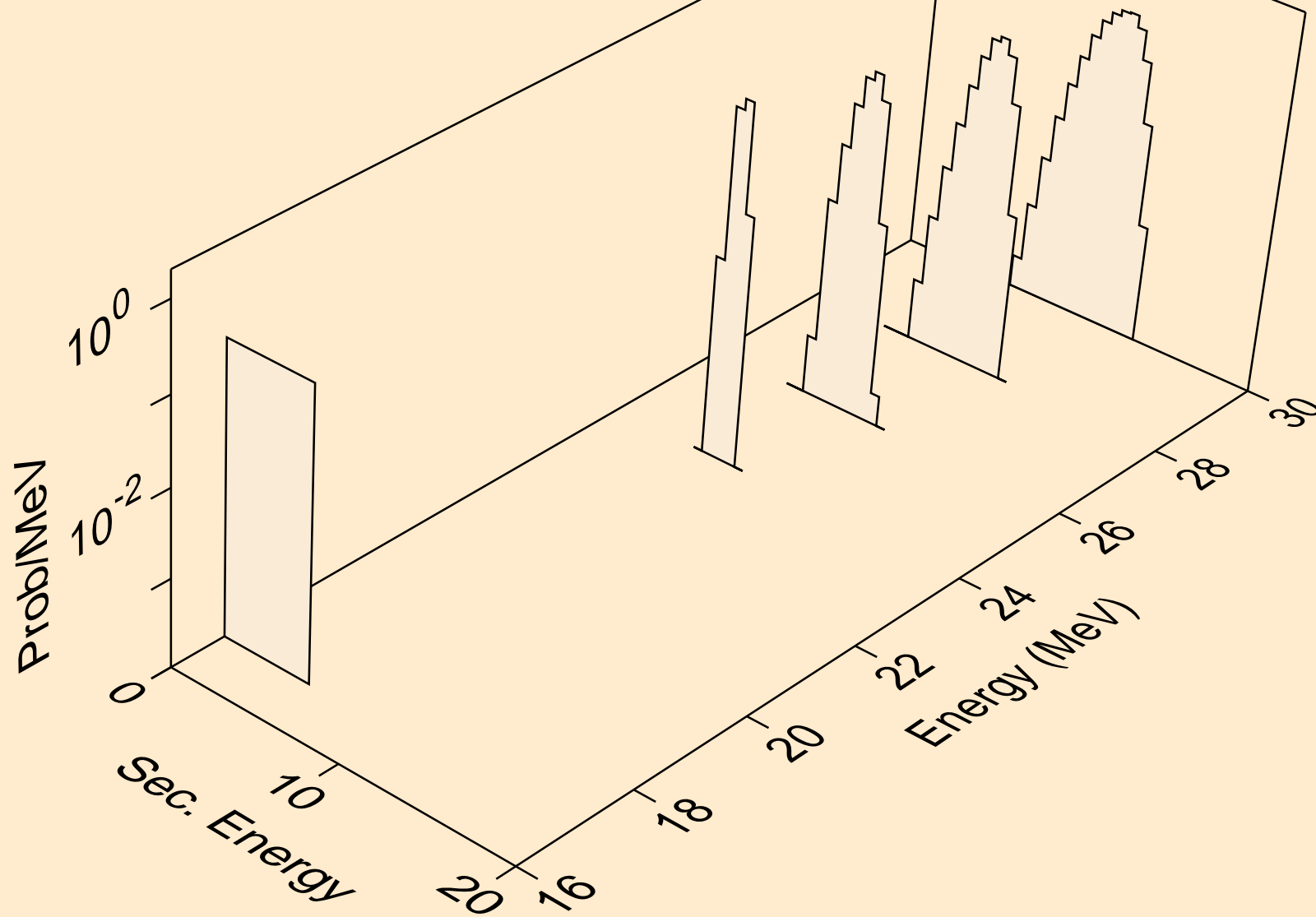
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)a



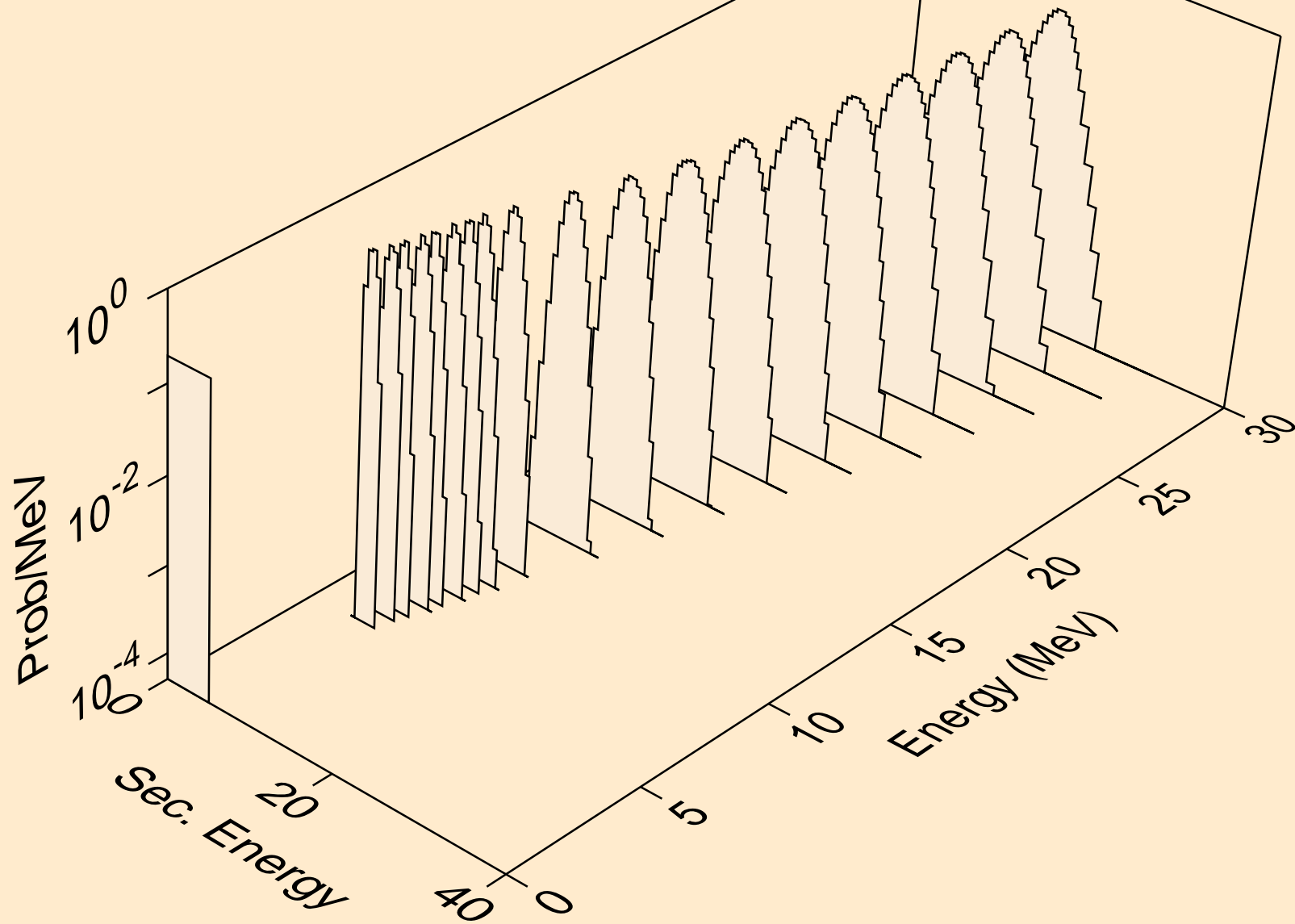
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alphas from (n,2n)a



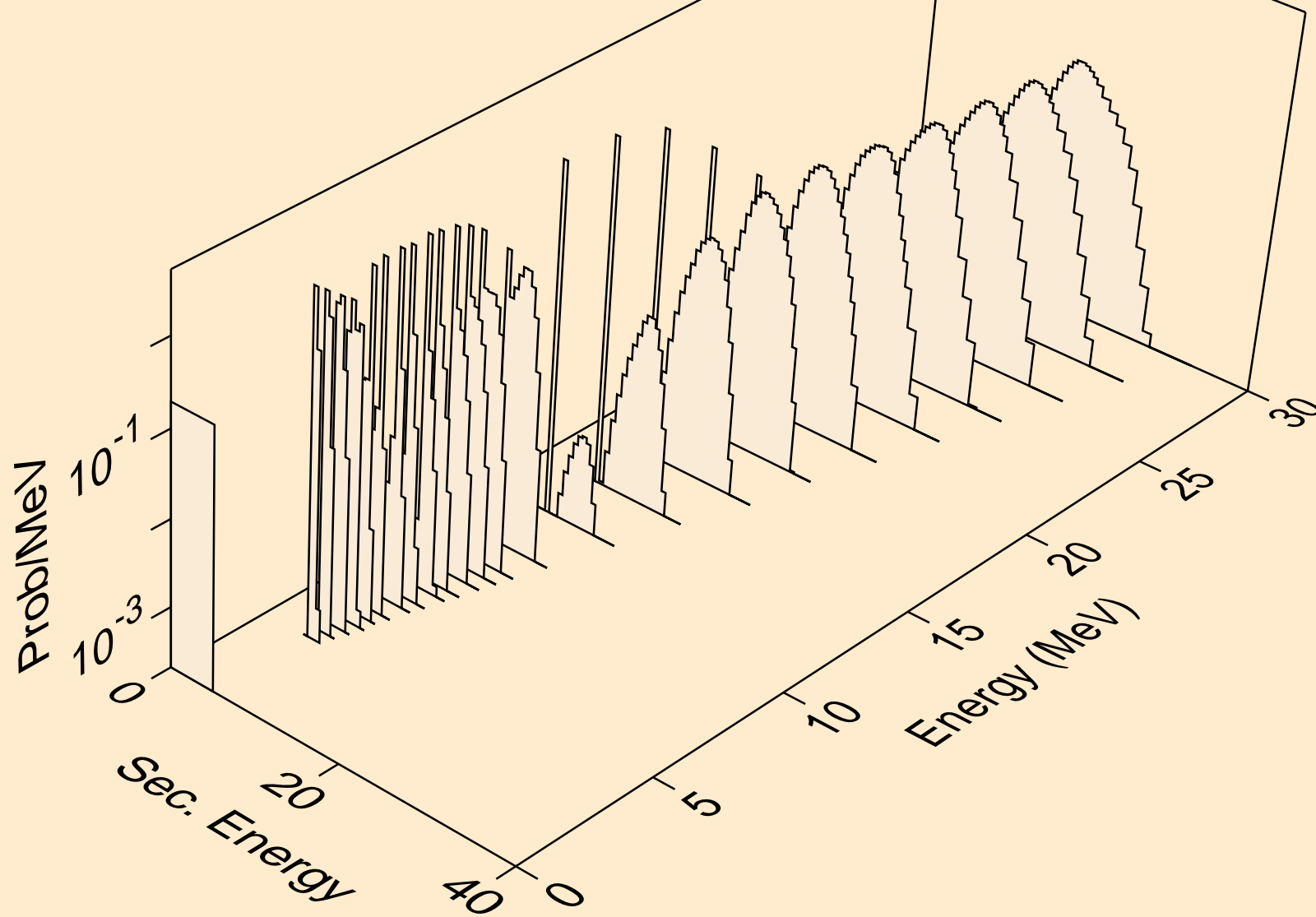
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,3n)a



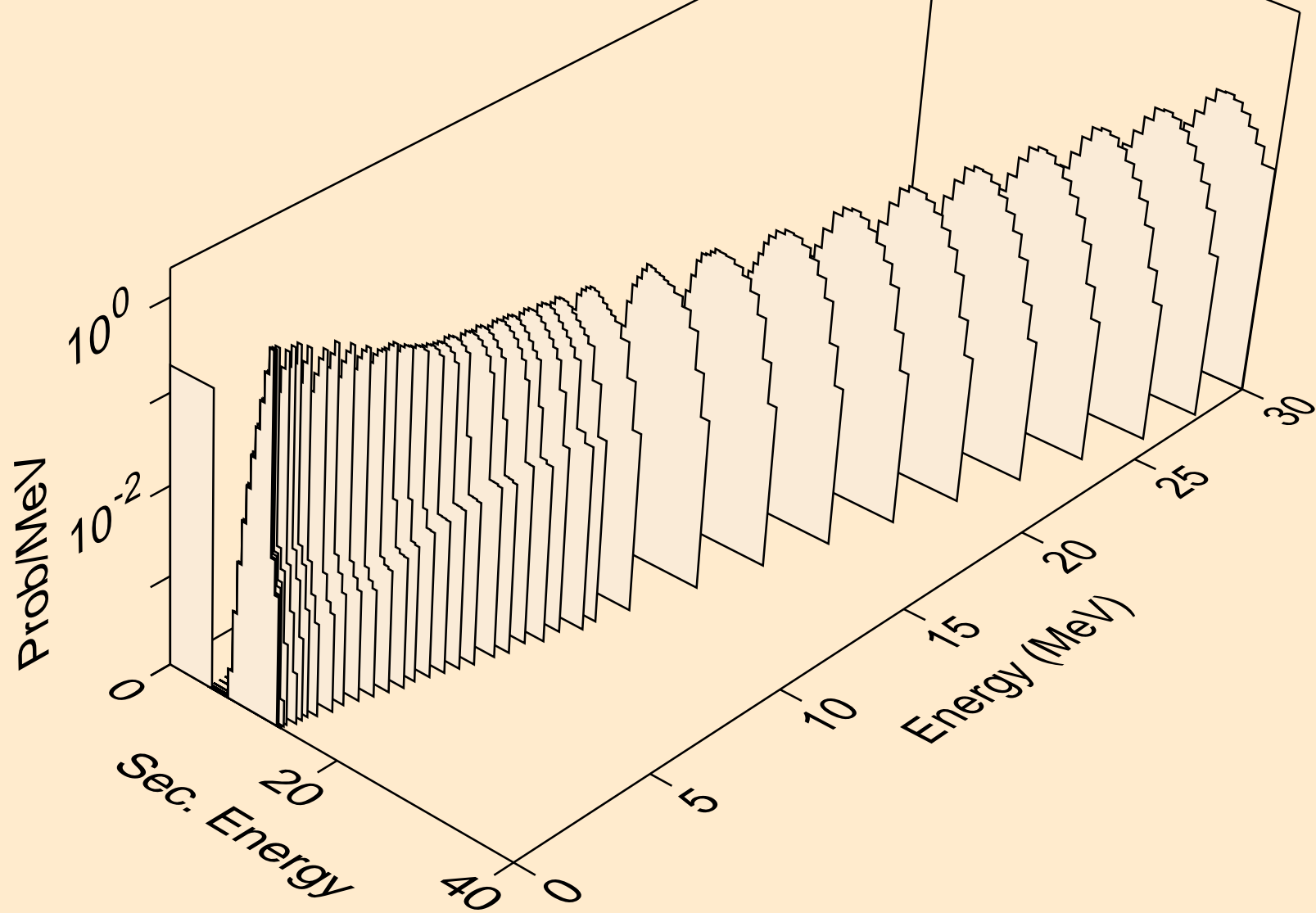
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)2a



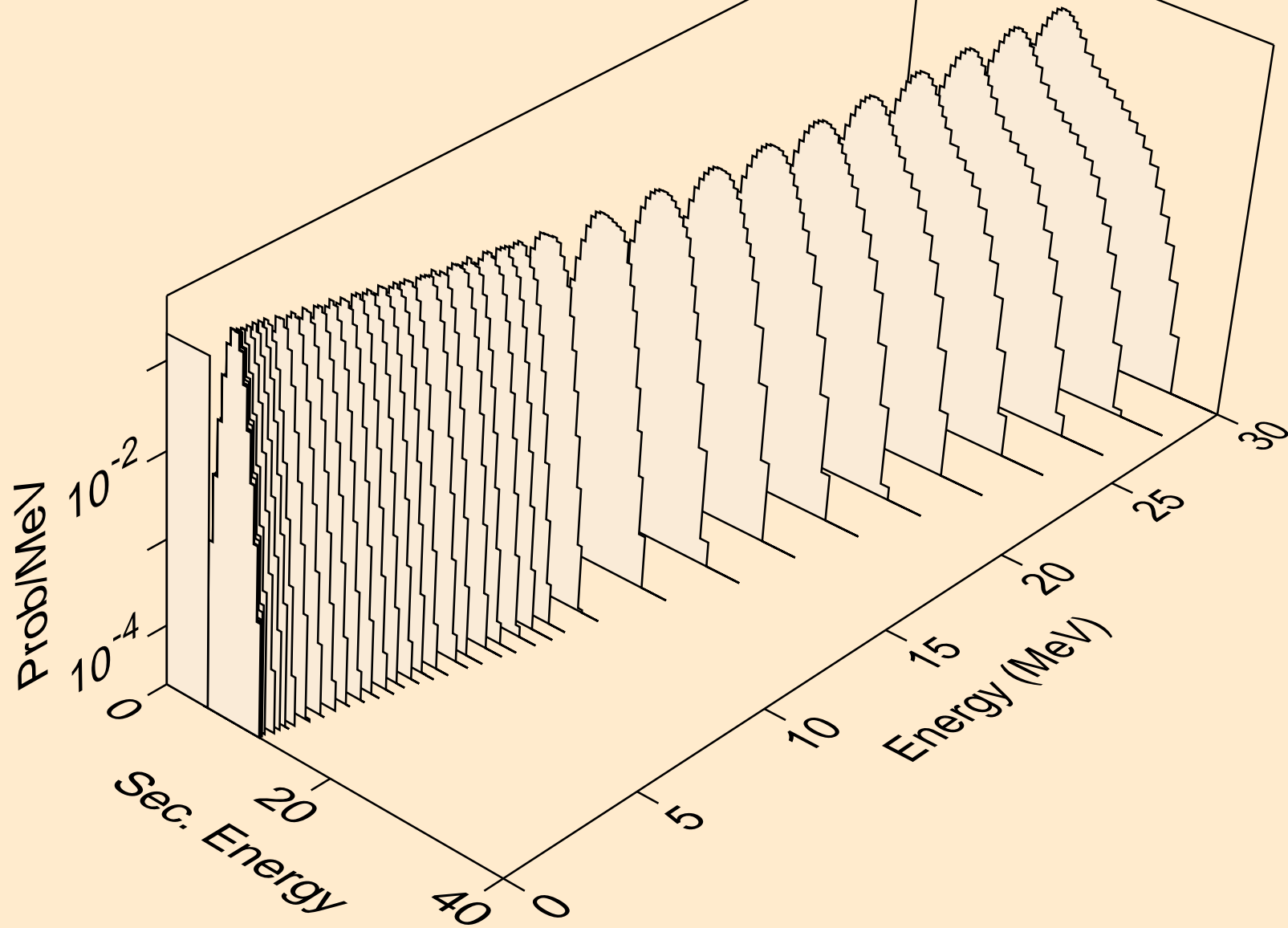
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,npa)



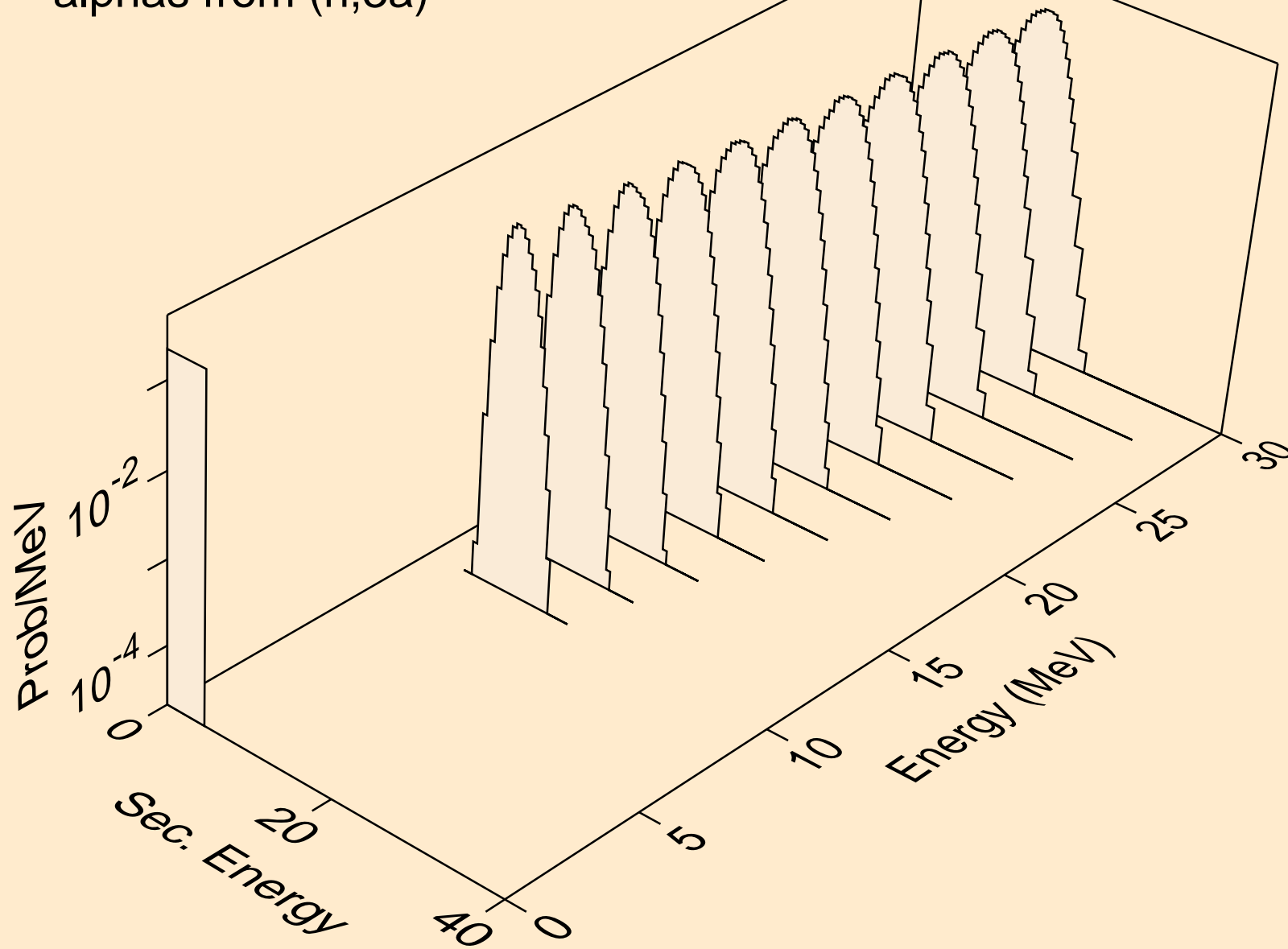
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,a)



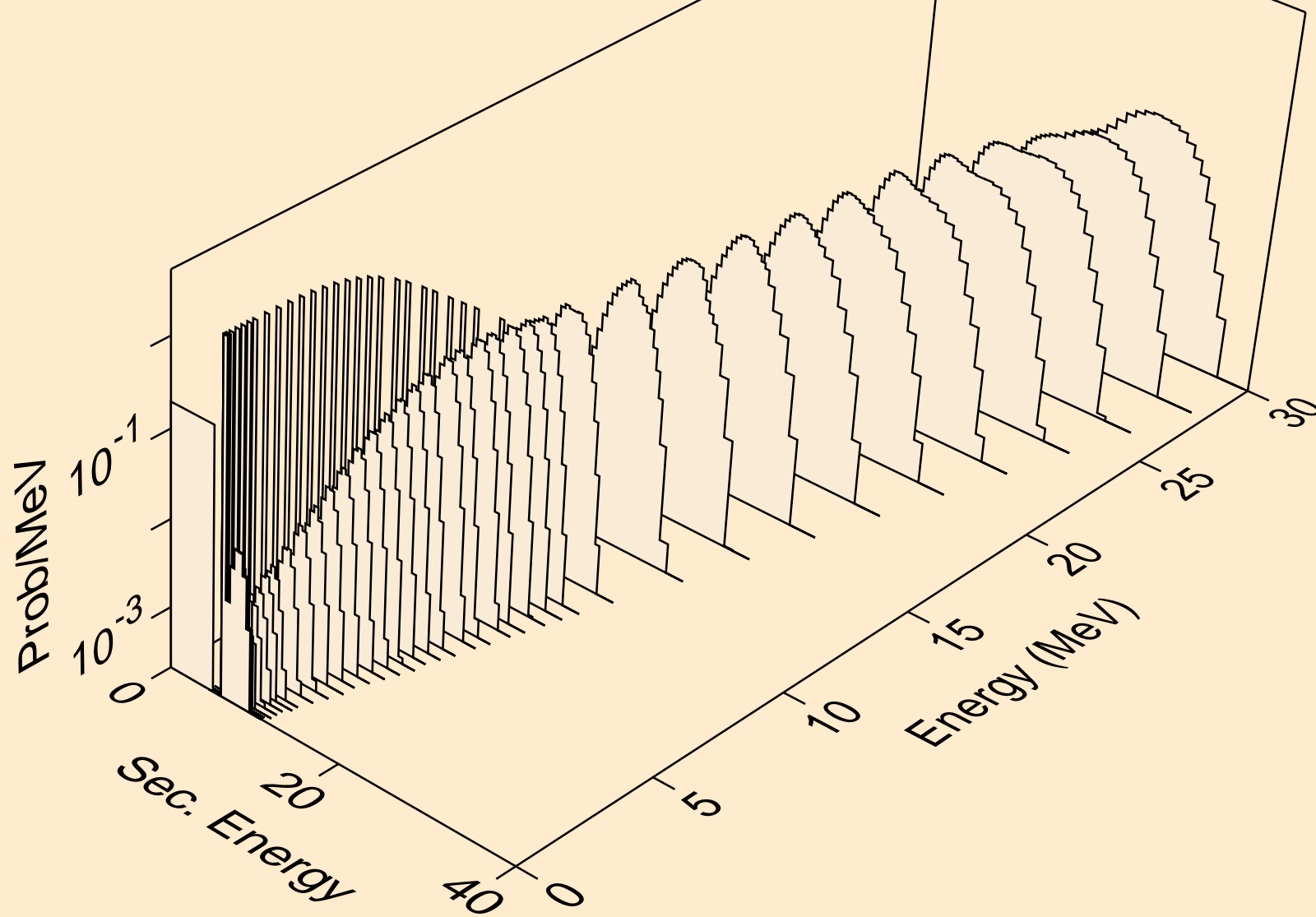
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2a)



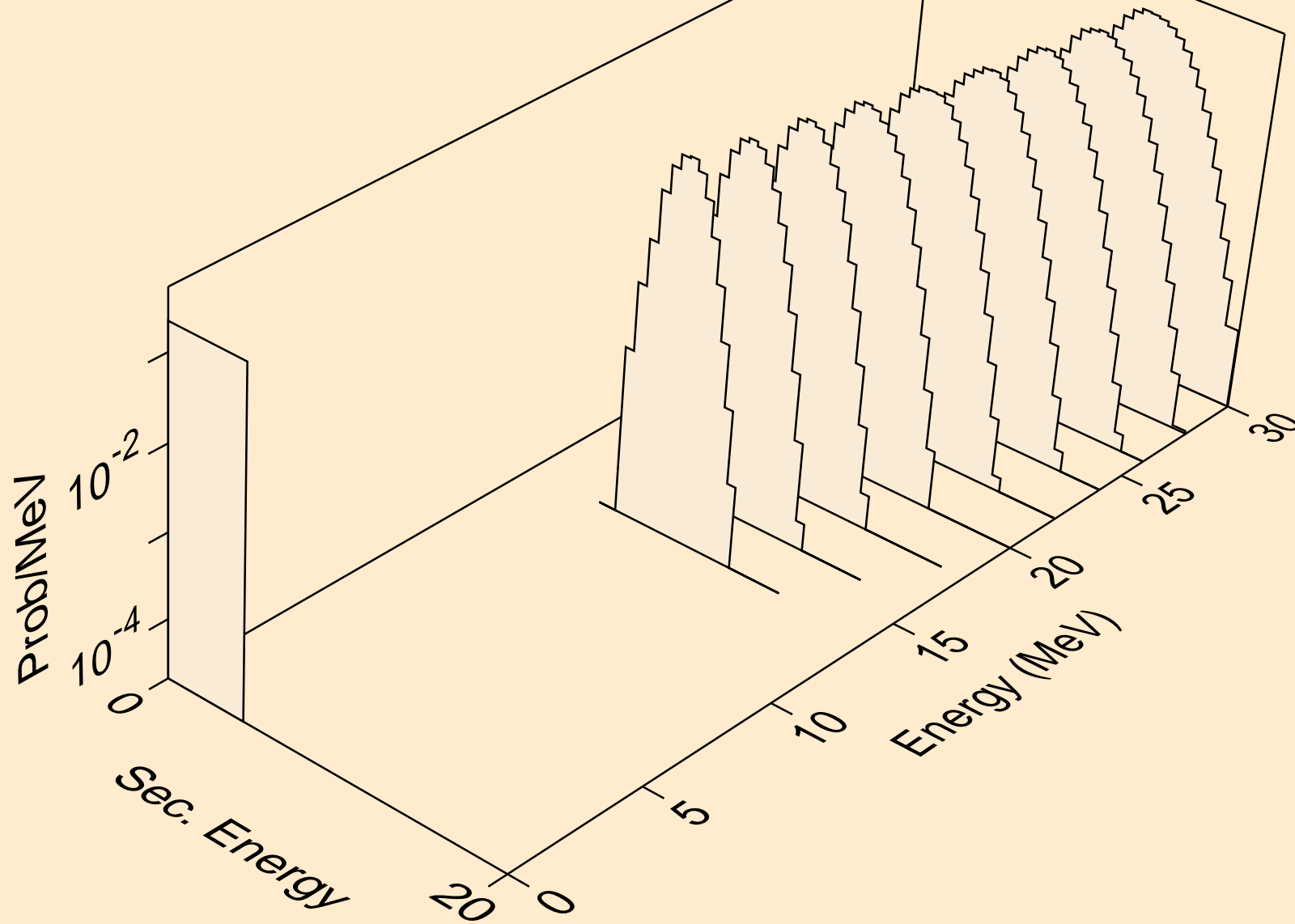
TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,3a)



TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,pa)



TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,d2a)



TM153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,da)

