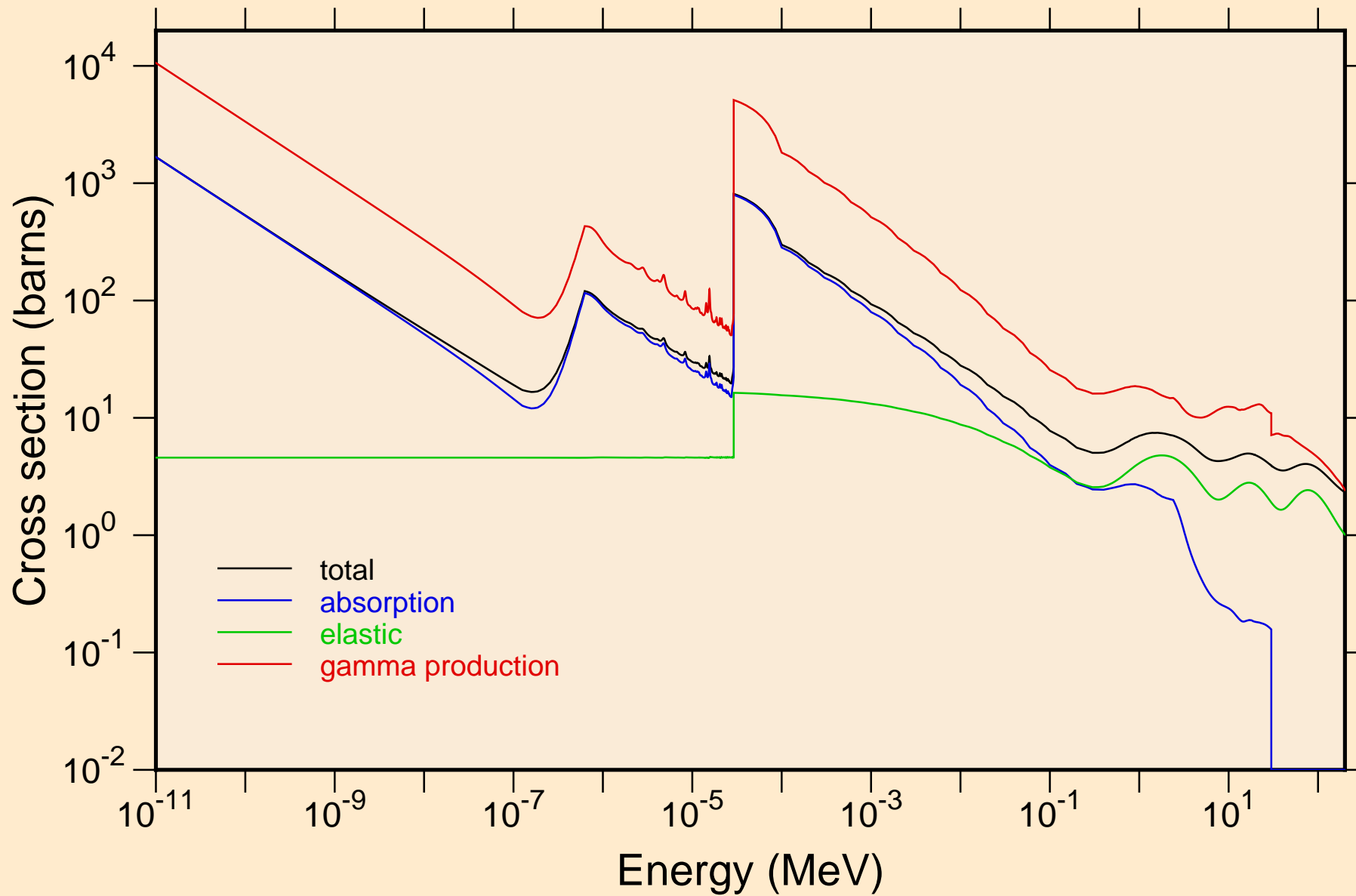
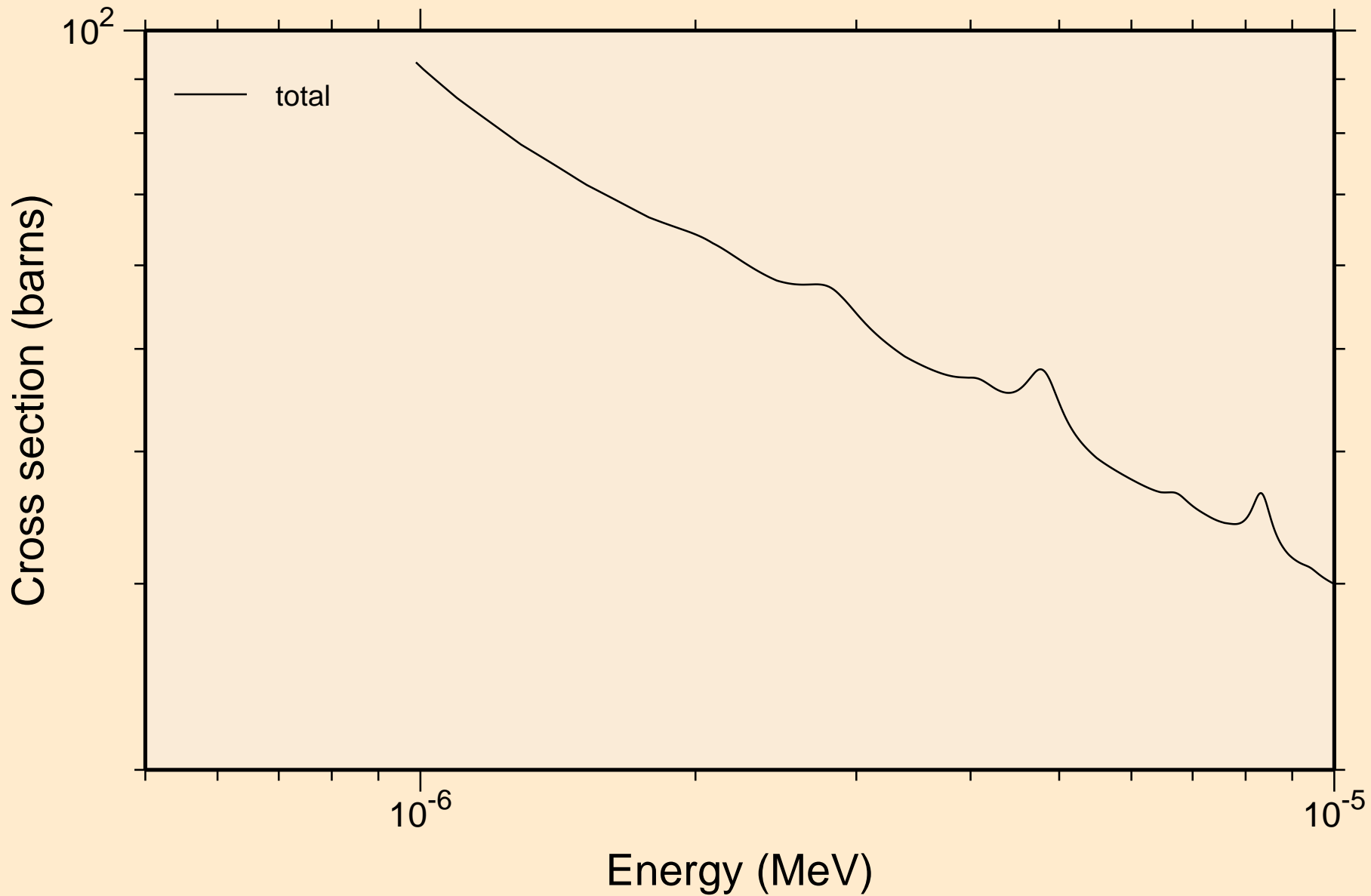


# GD145M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

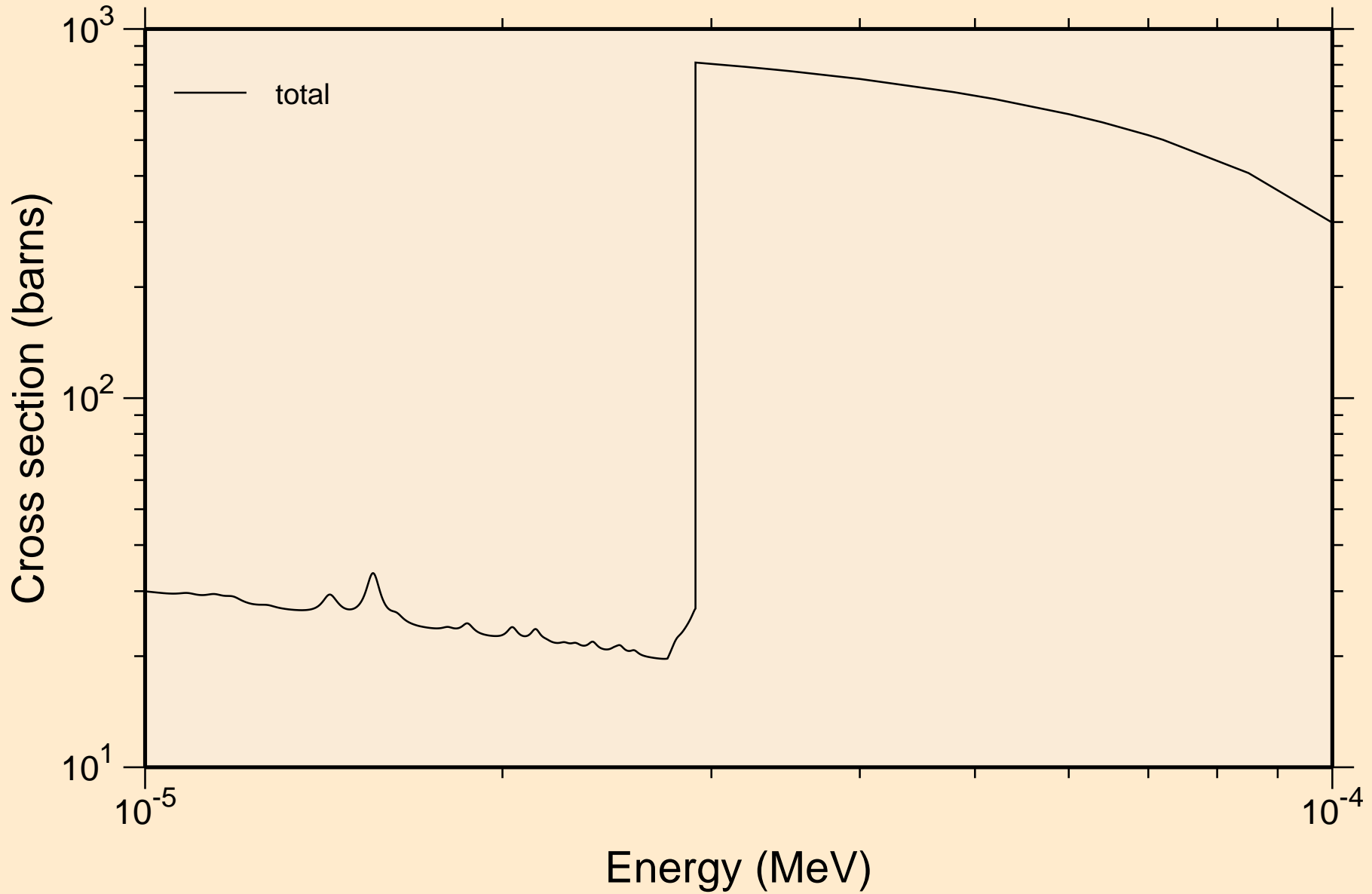
## Principal cross sections



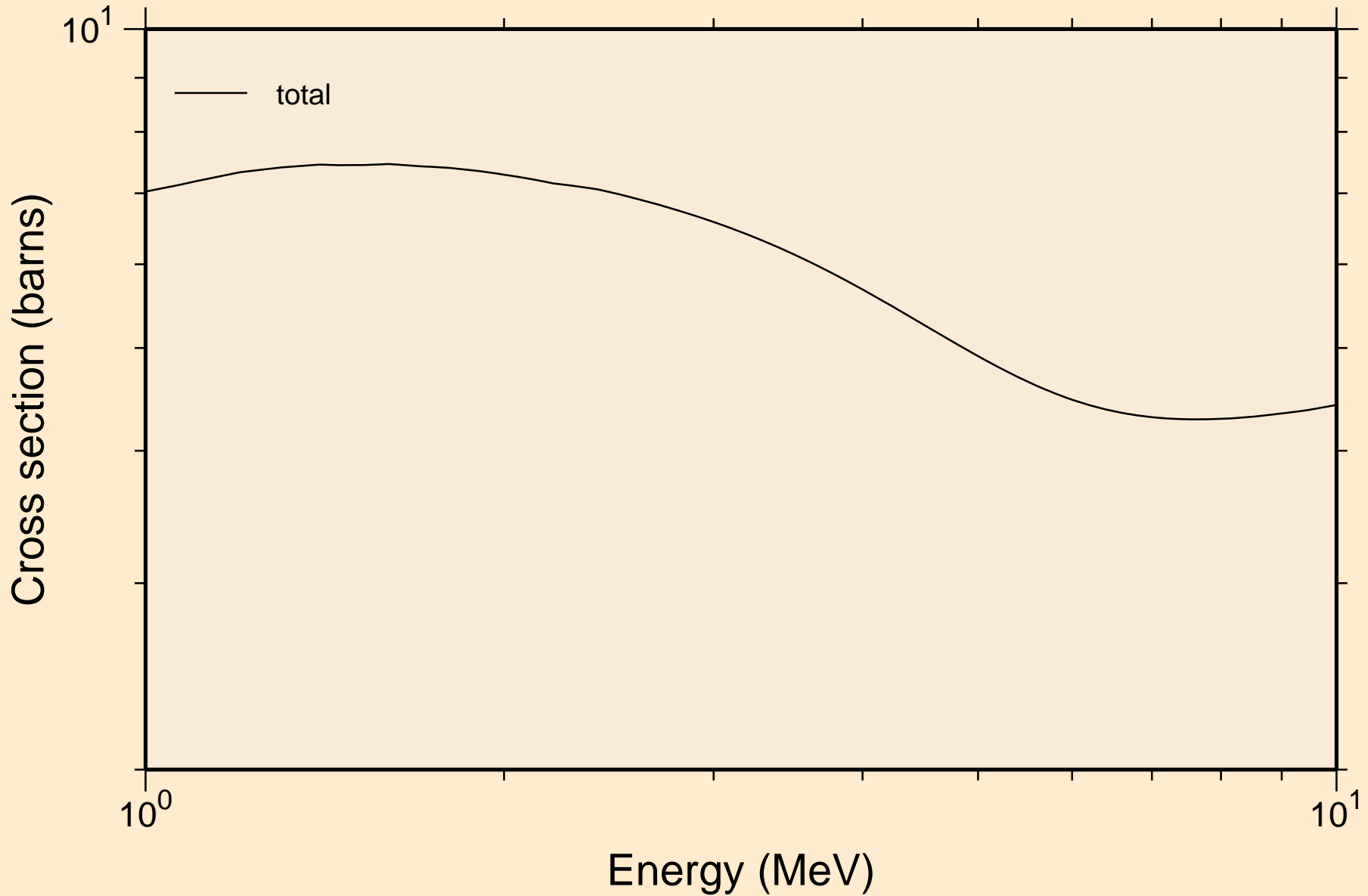
GD145M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



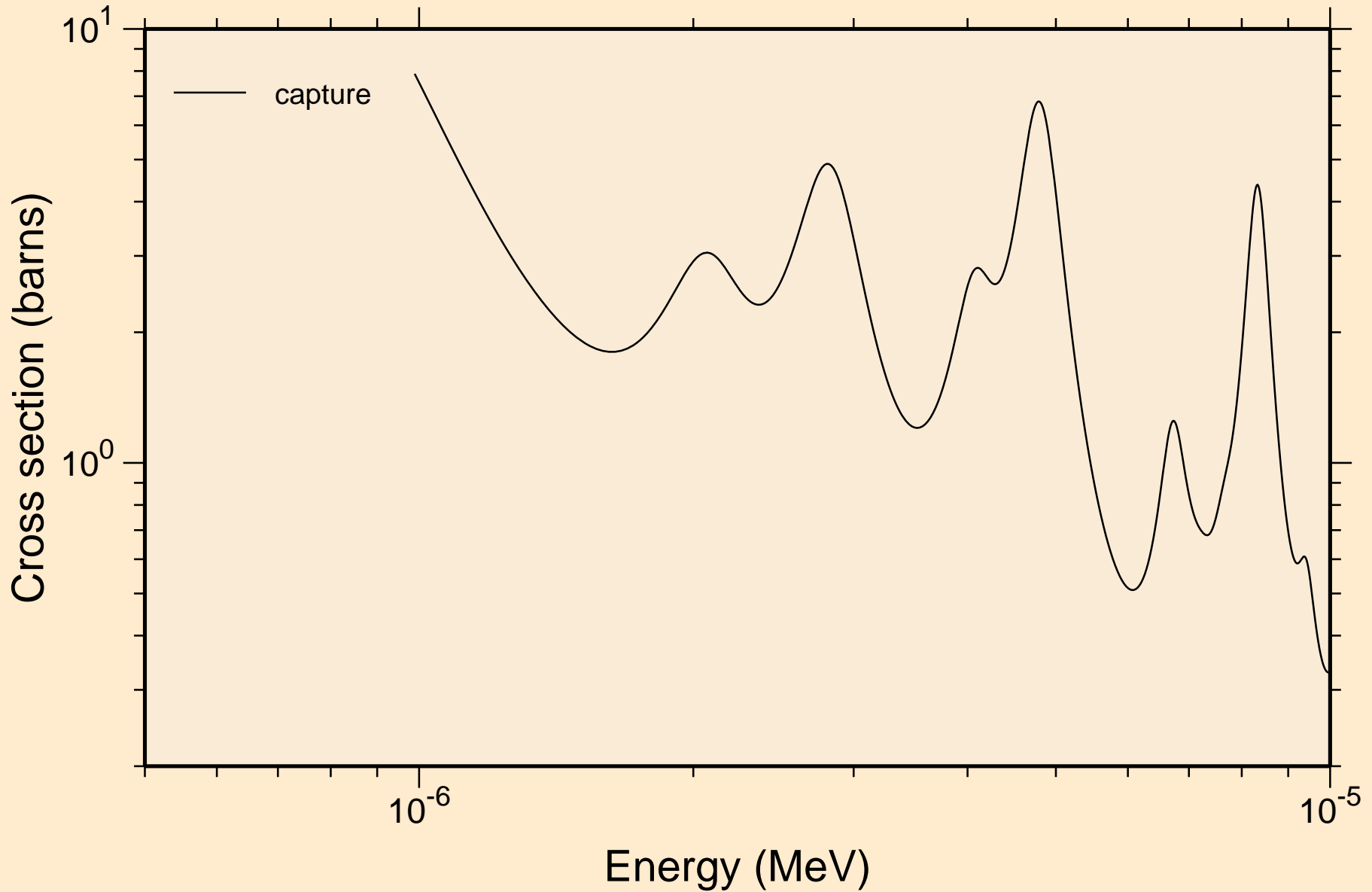
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resonance total cross section



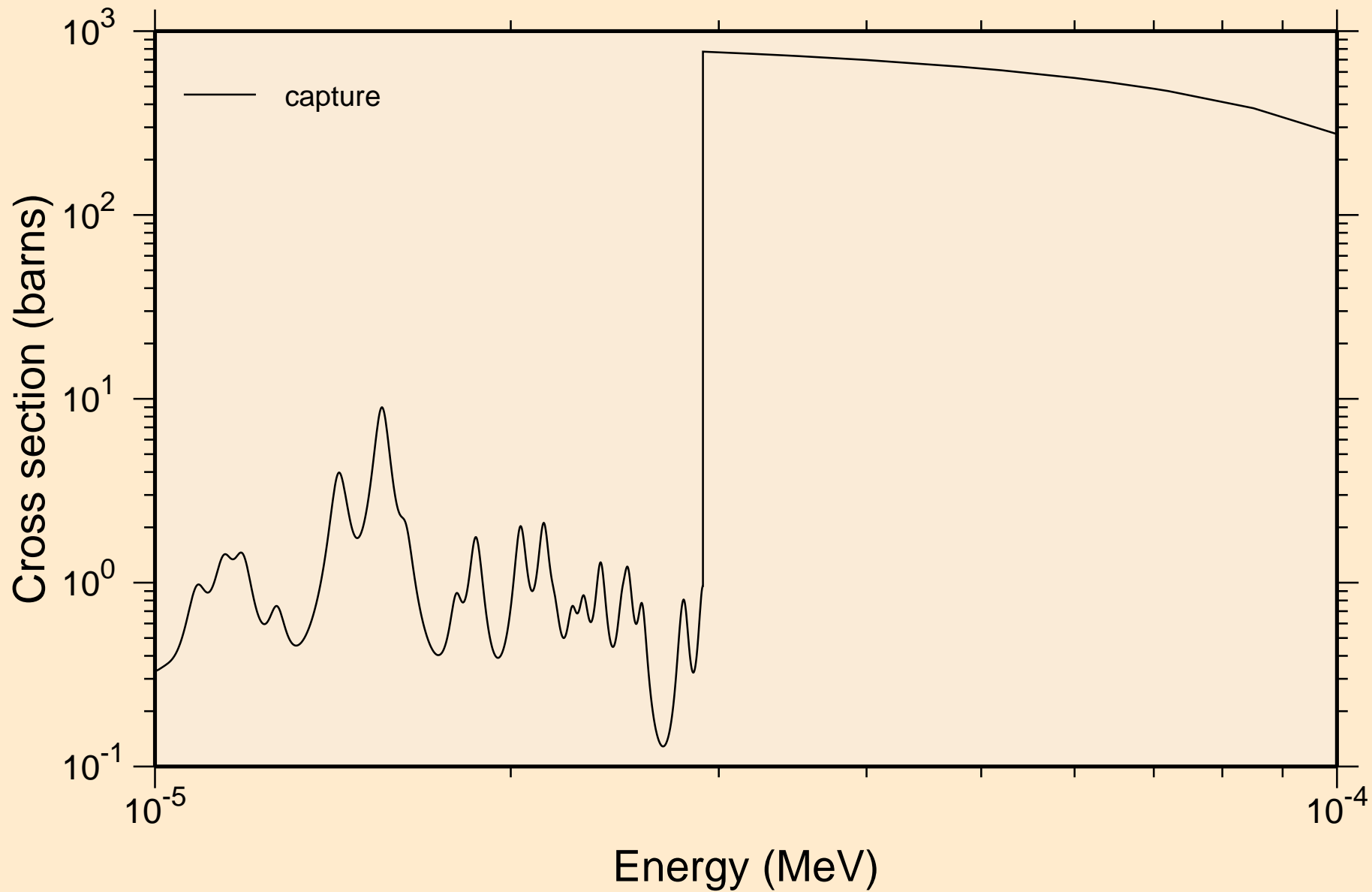
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resonance total cross section



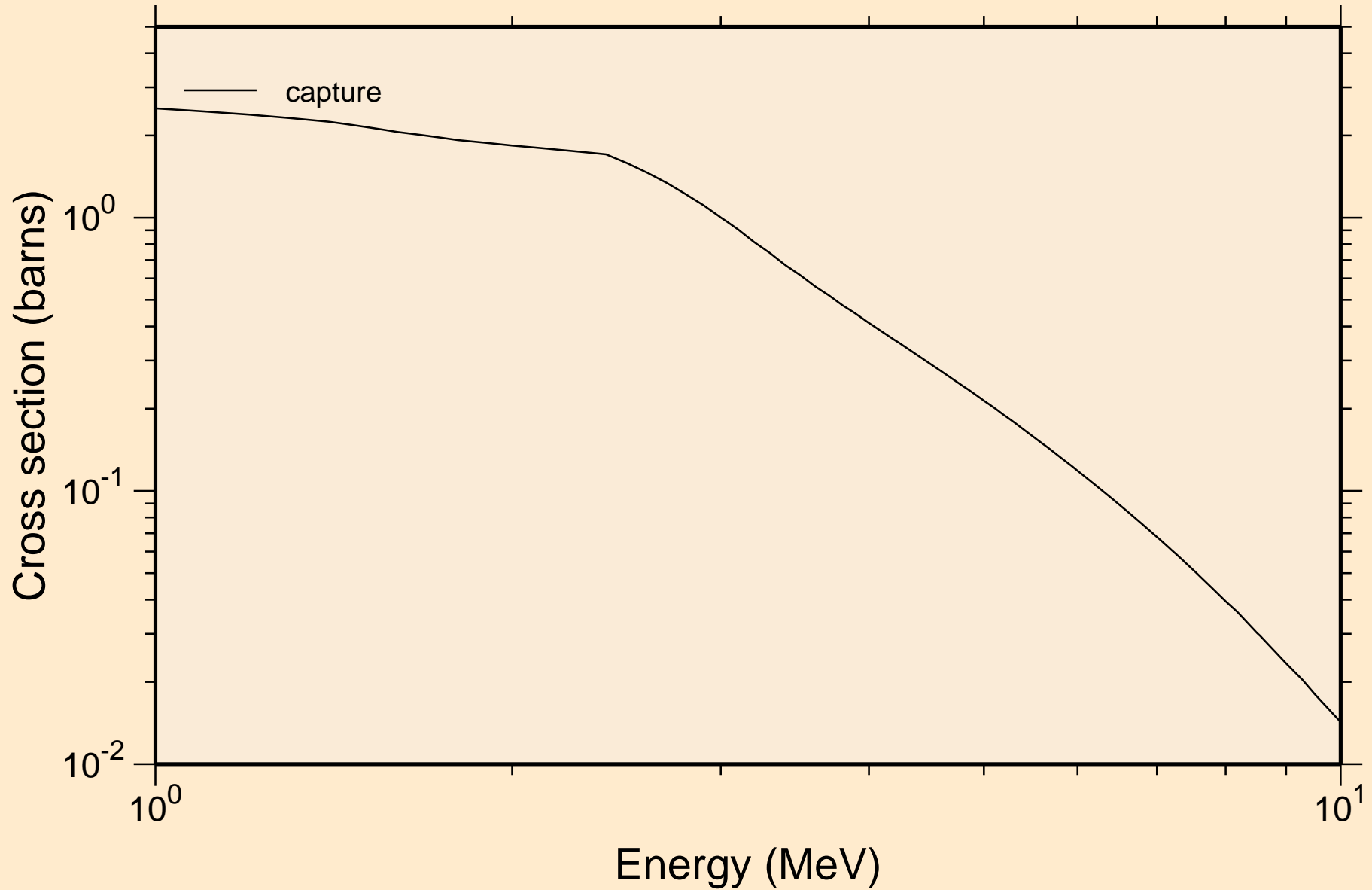
GD145M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



GD145M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

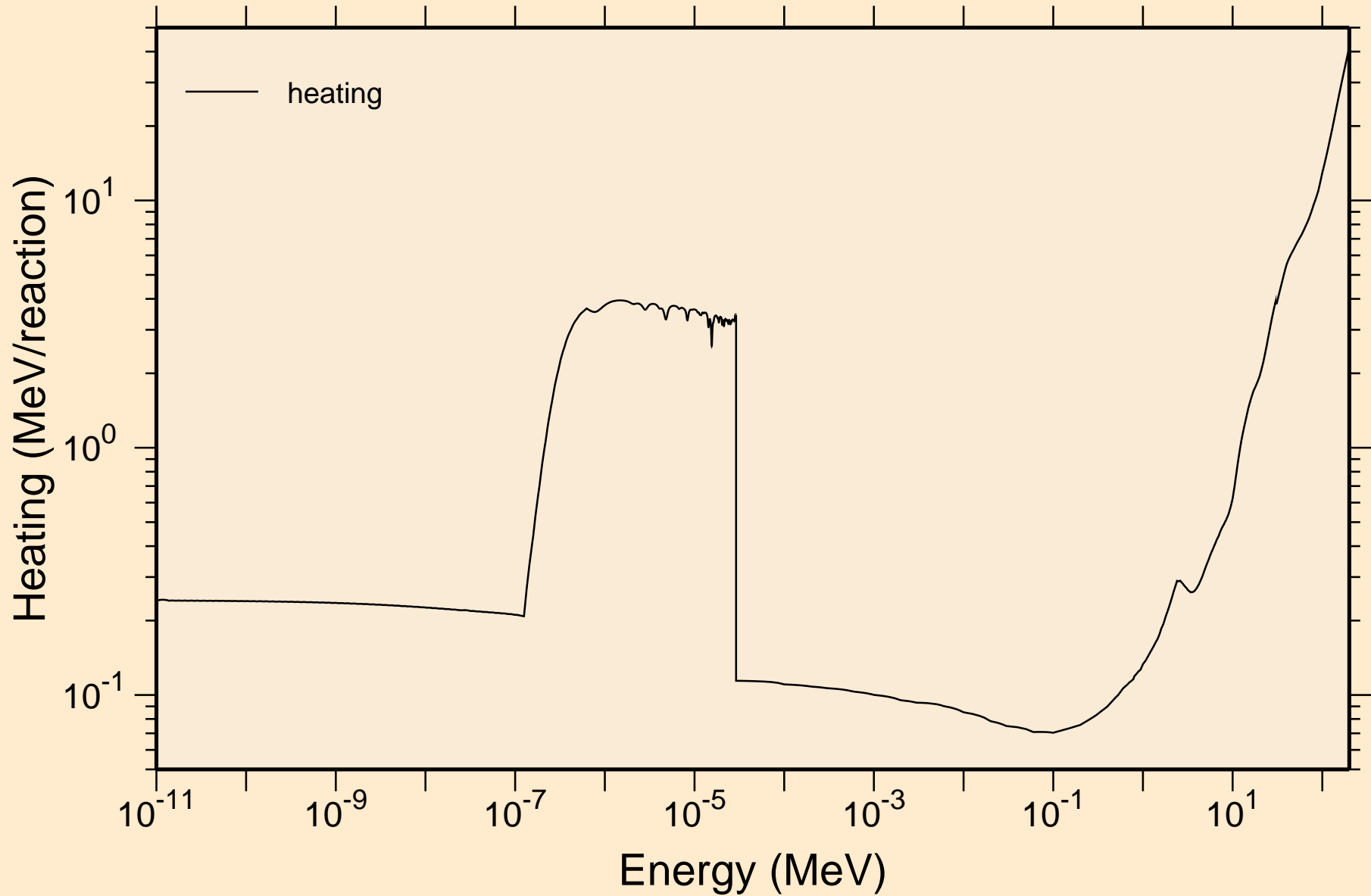


GD145M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



# GD145M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

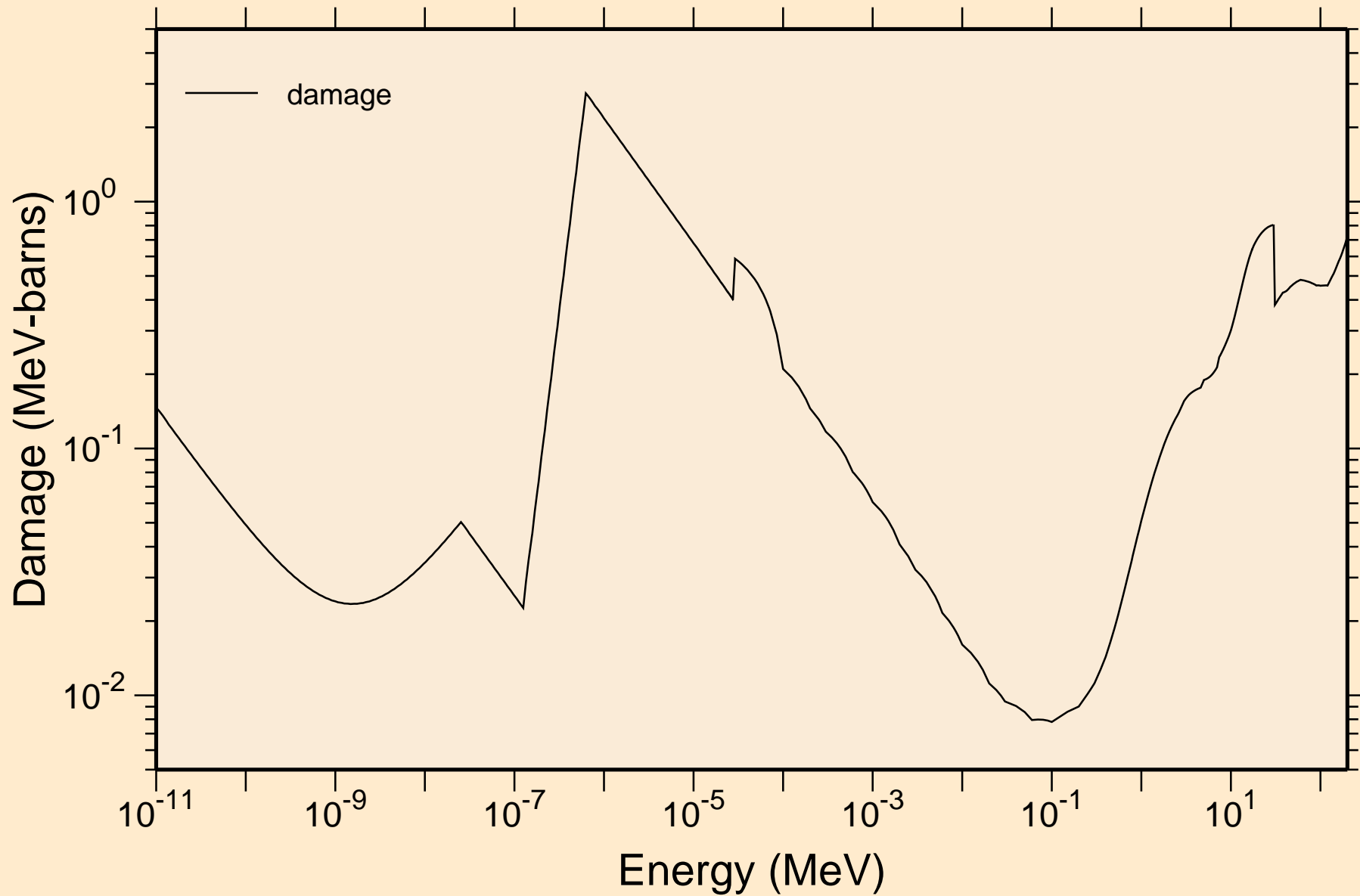
## Heating





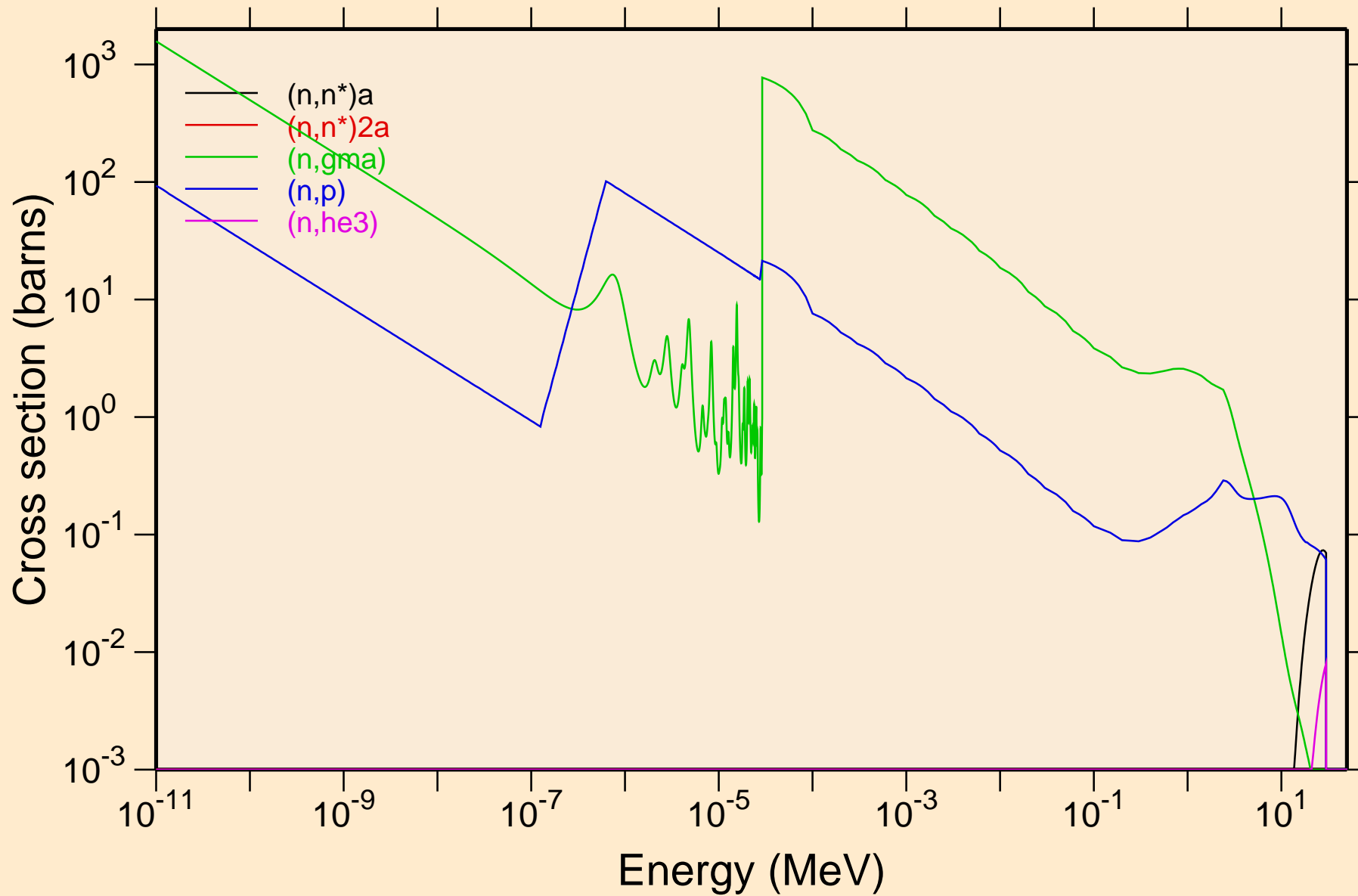
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## Damage



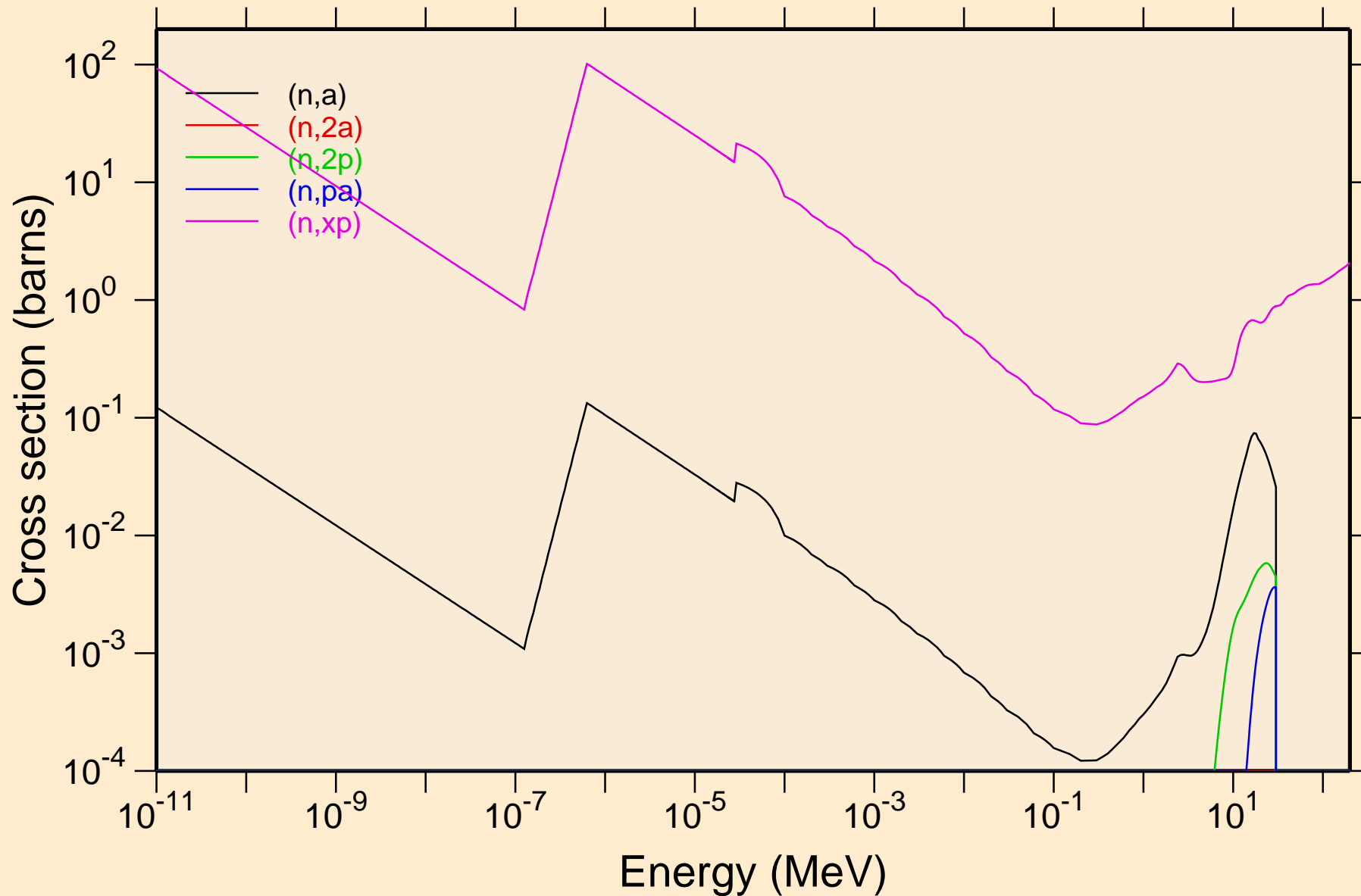
# GD145M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Non-threshold reactions

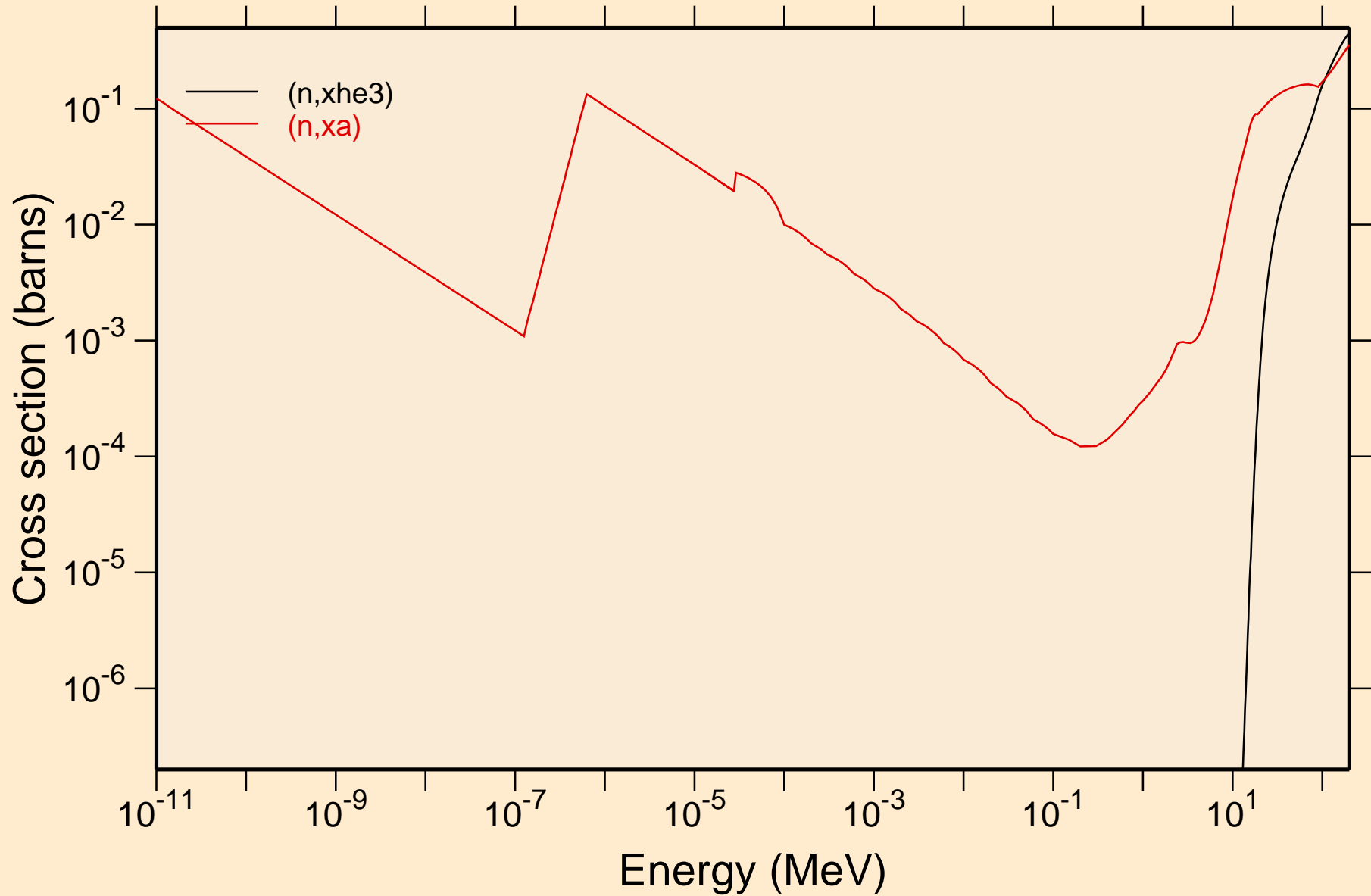


# GD145M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Non-threshold reactions

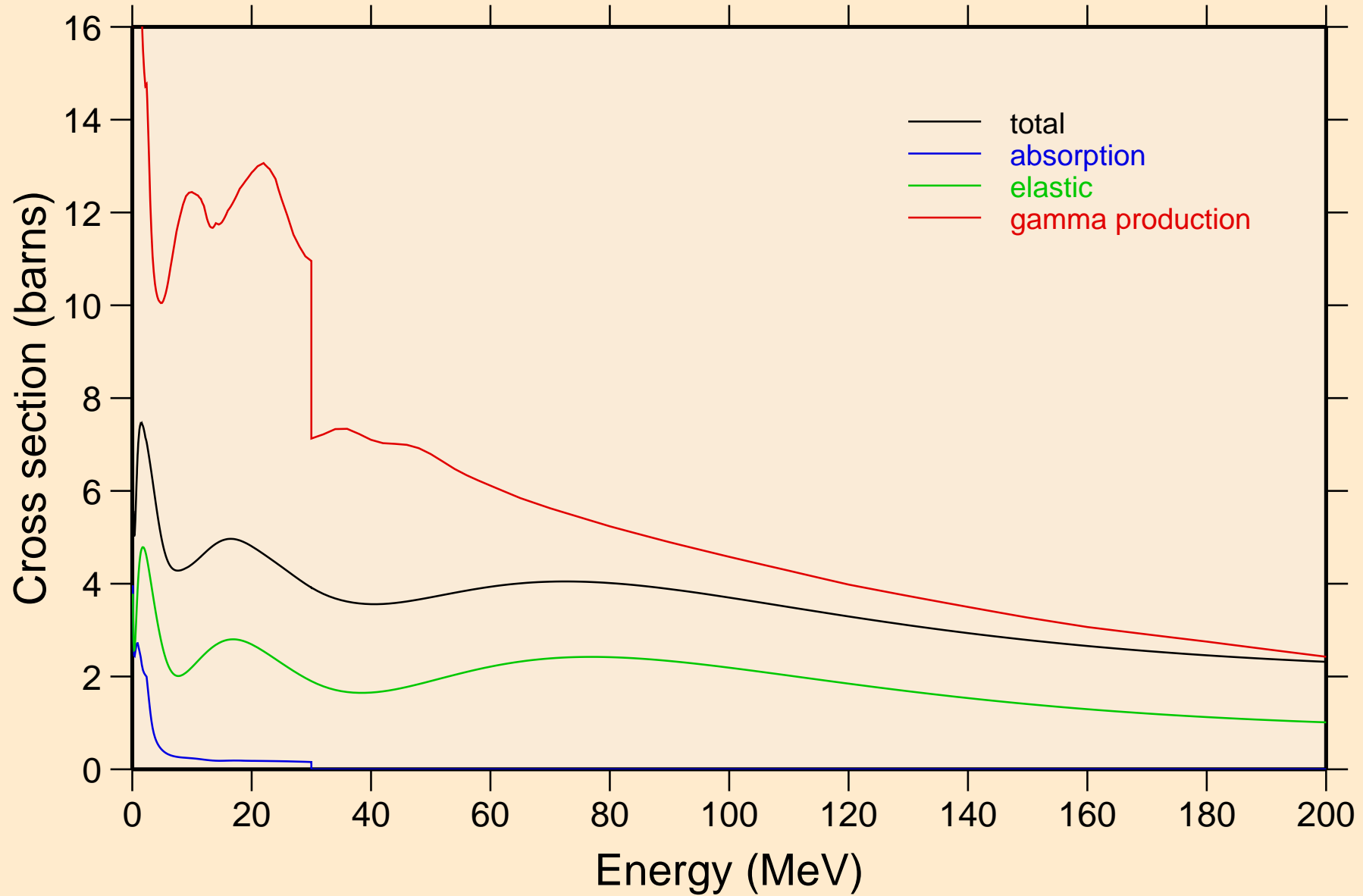


GD145M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



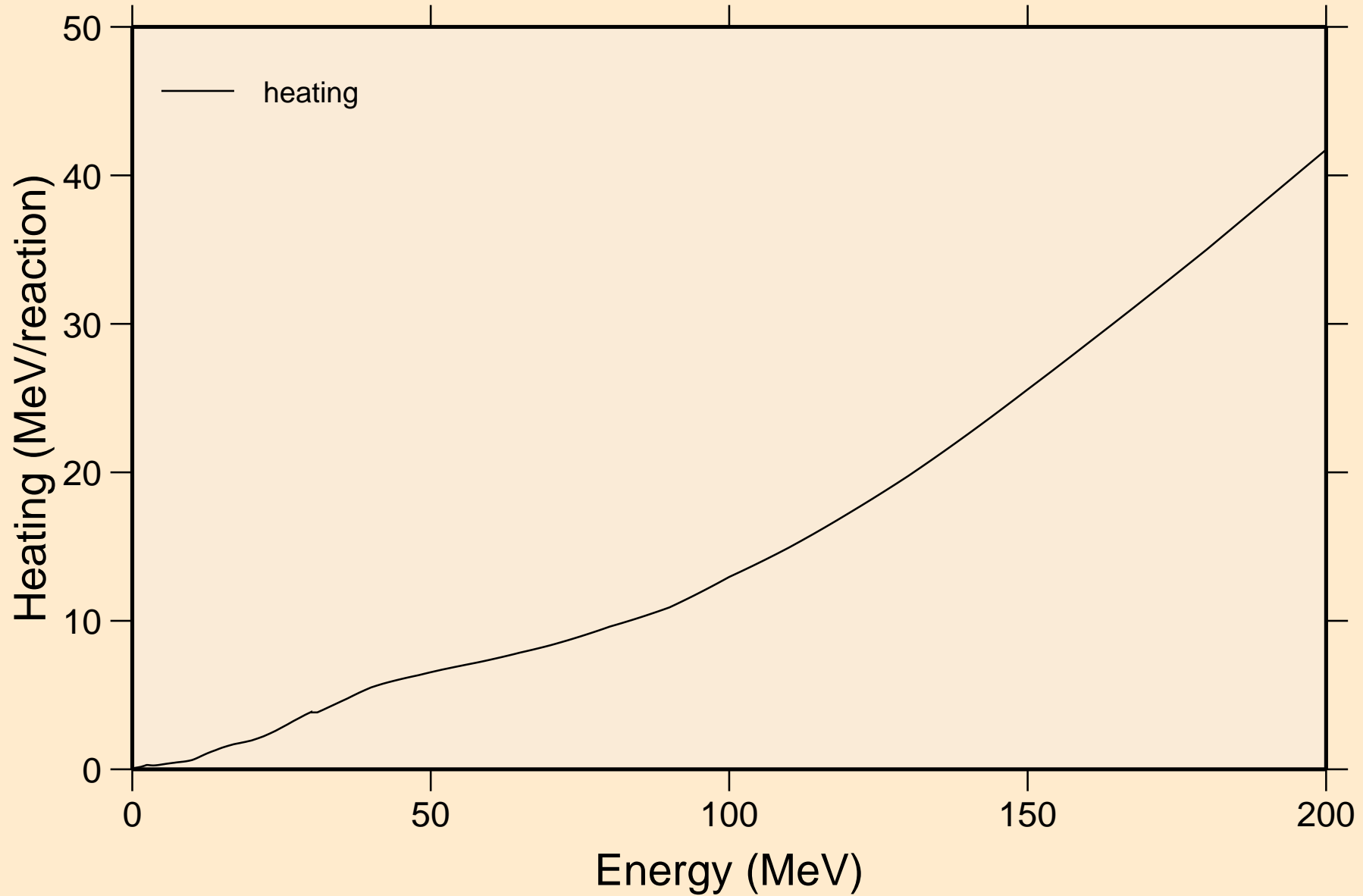
# GD145M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



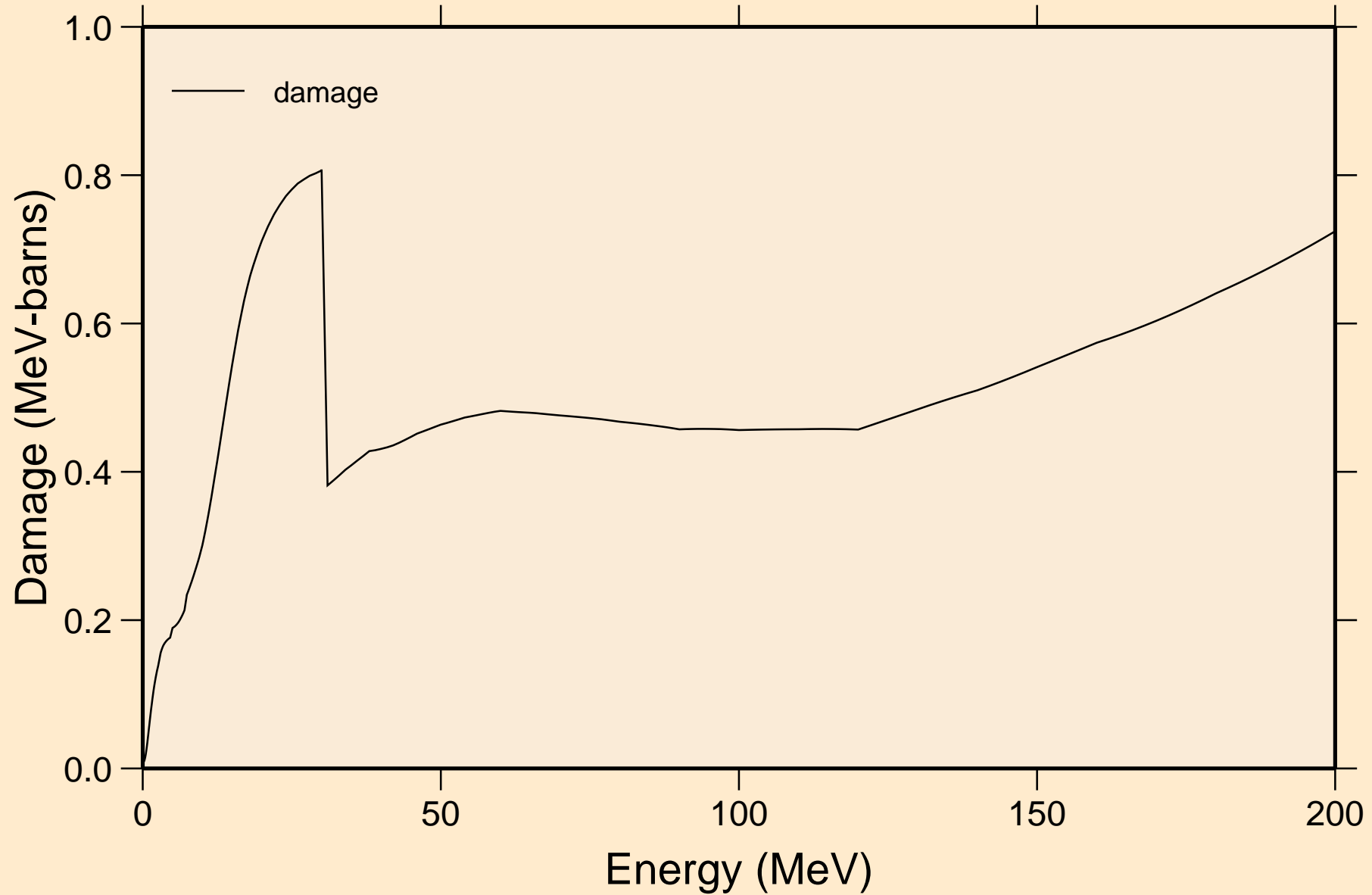
# GD145M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Heating



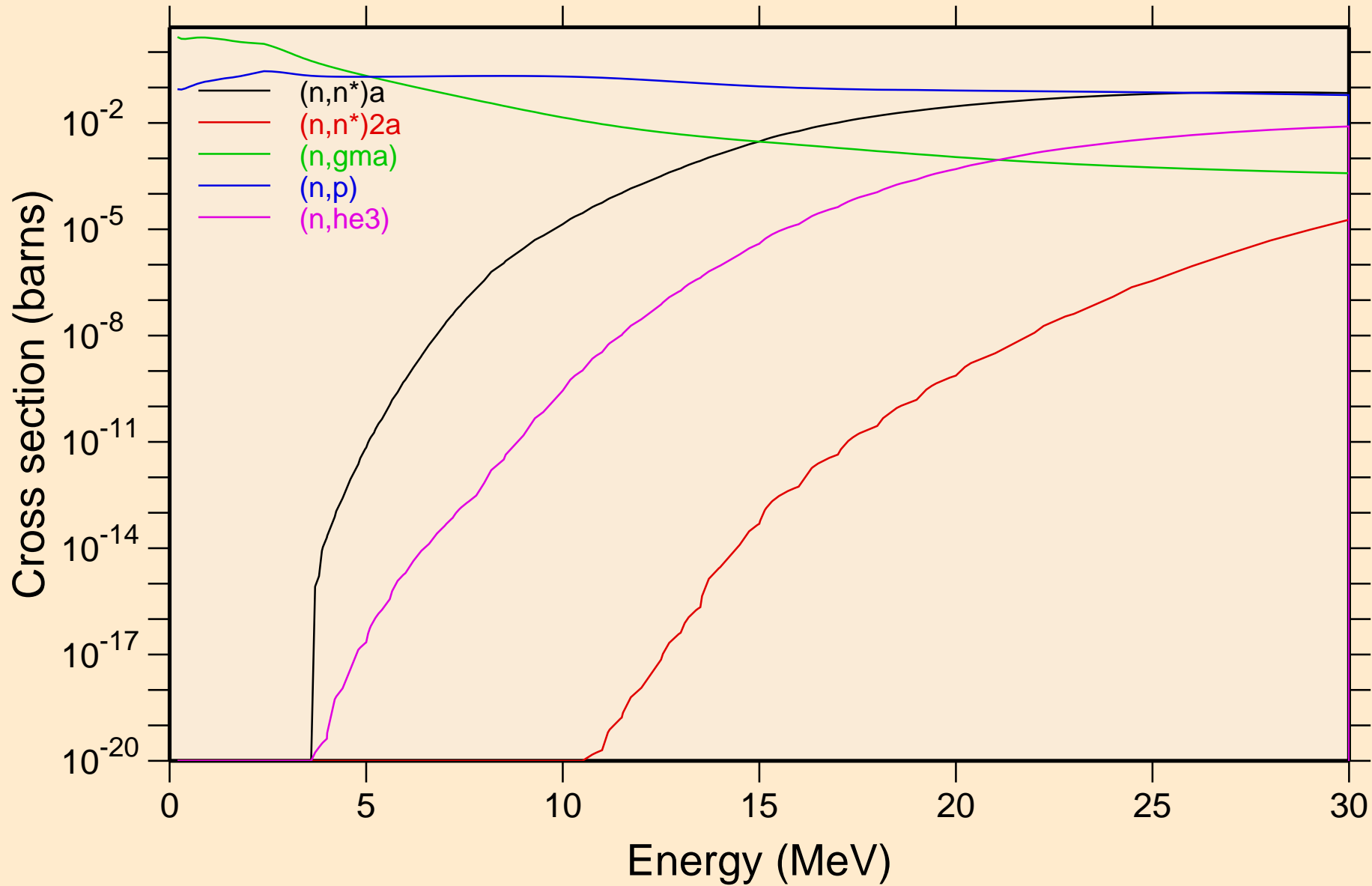
# GD145M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Damage



# GD145M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

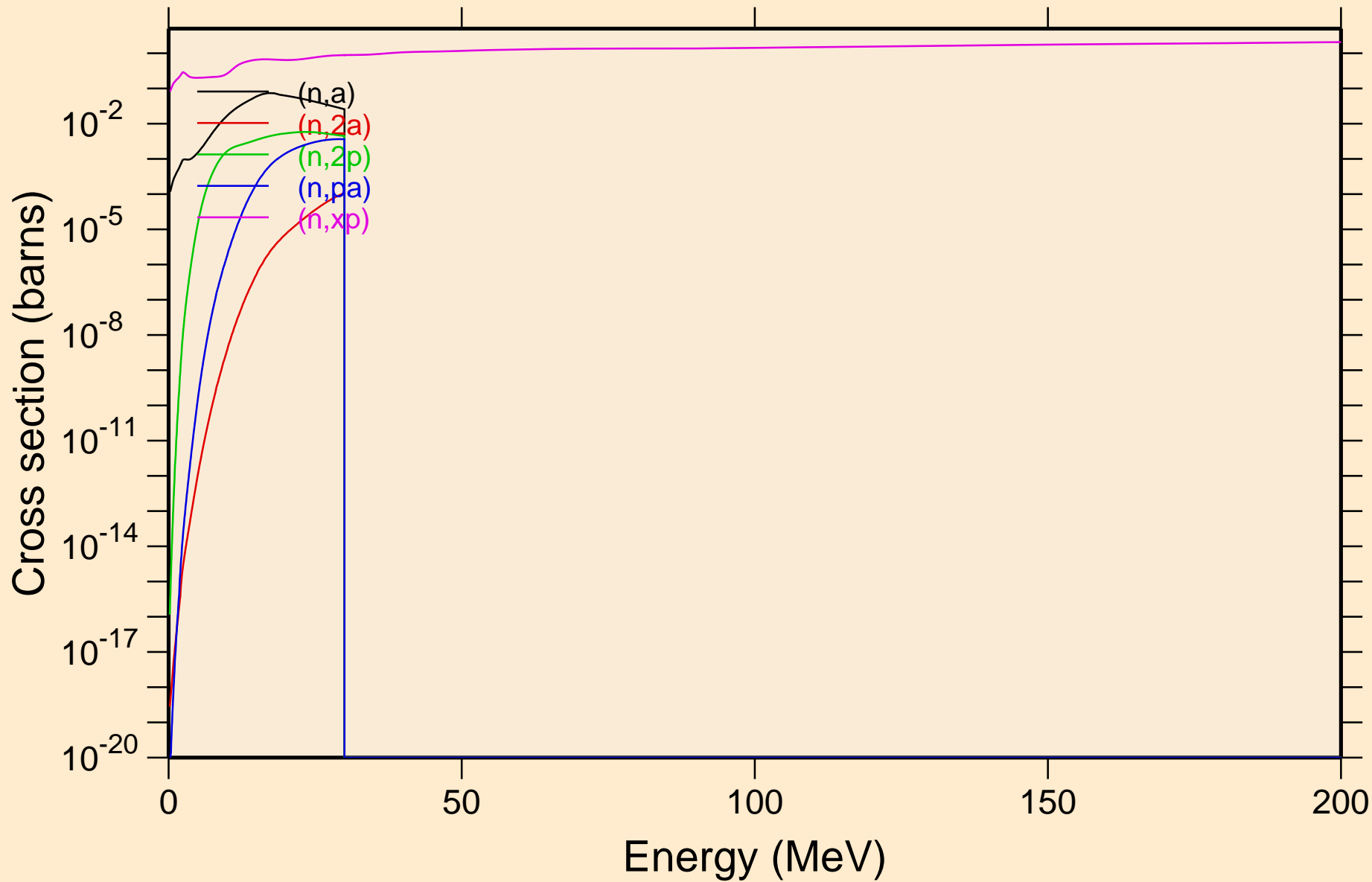
## Non-threshold reactions



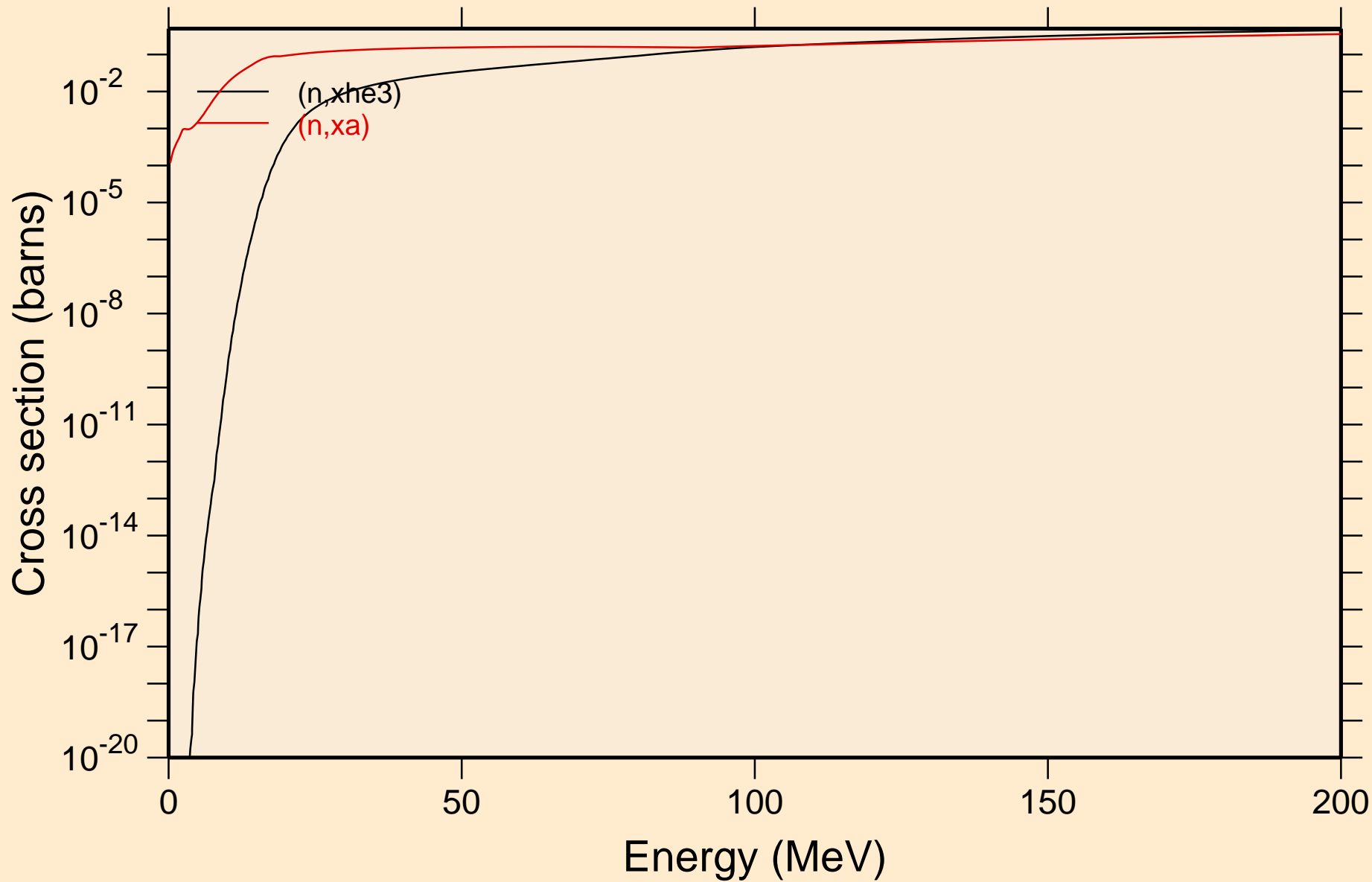


# GD145M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

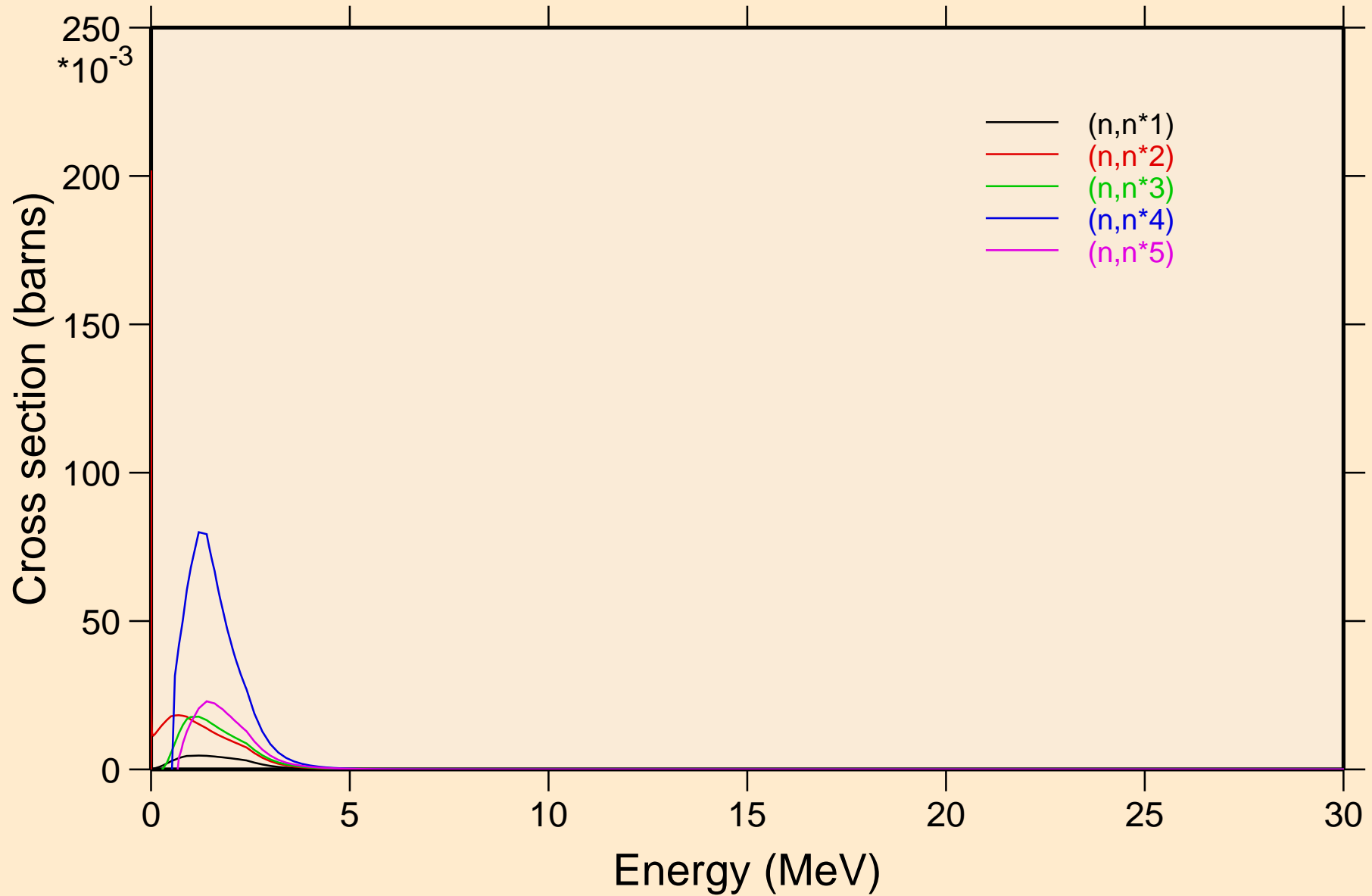
## Non-threshold reactions



GD145M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

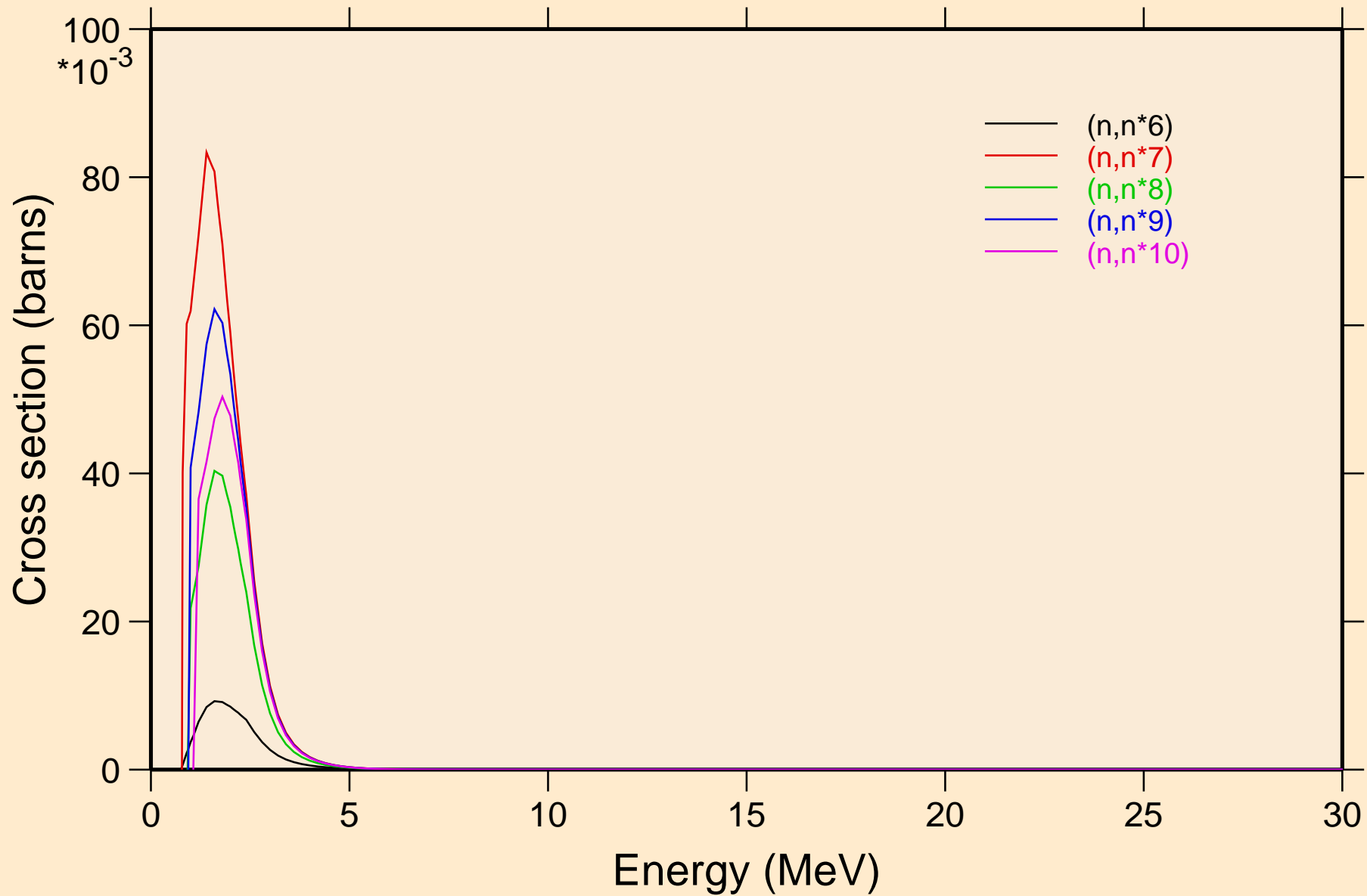


GD145M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

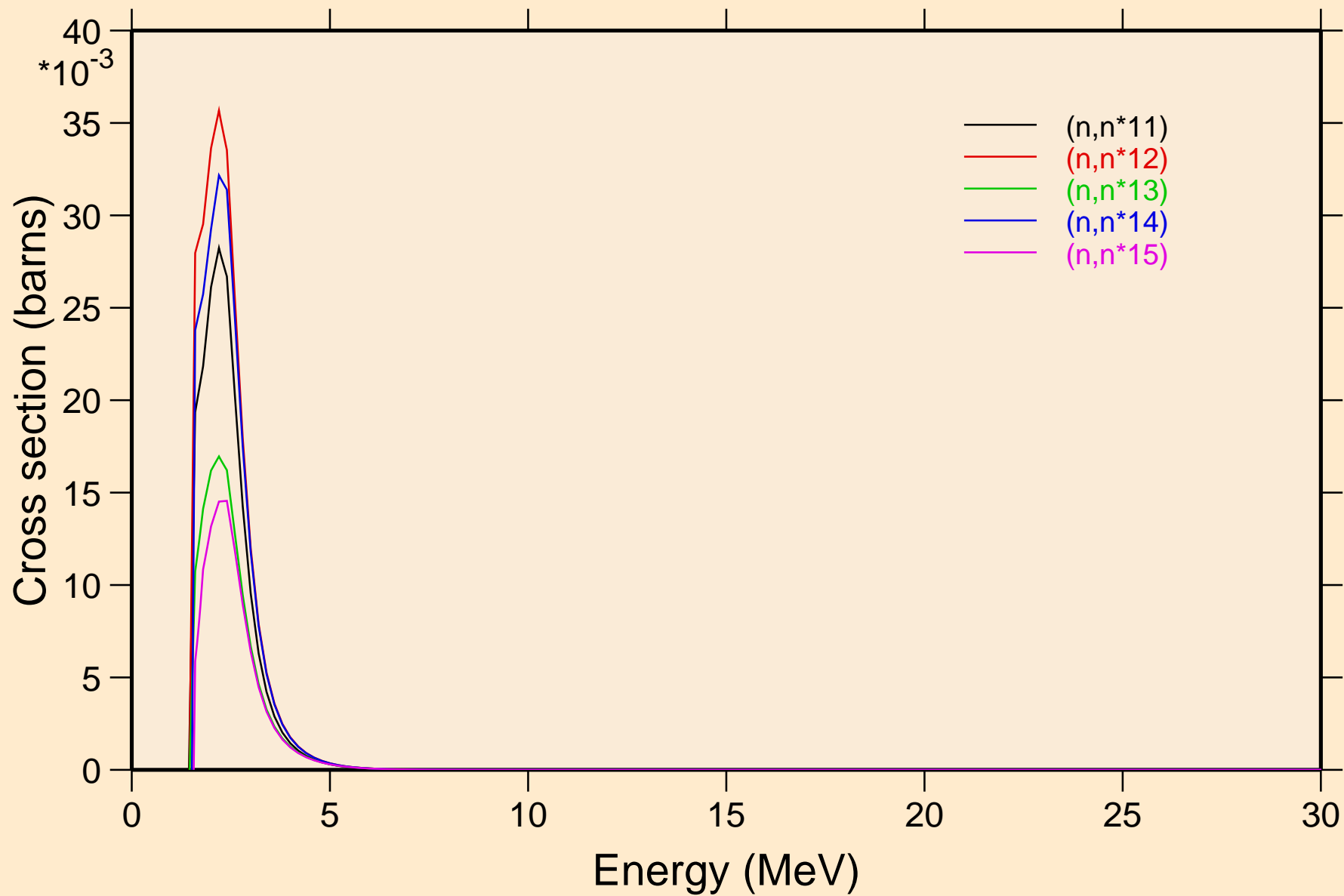


# GD145M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

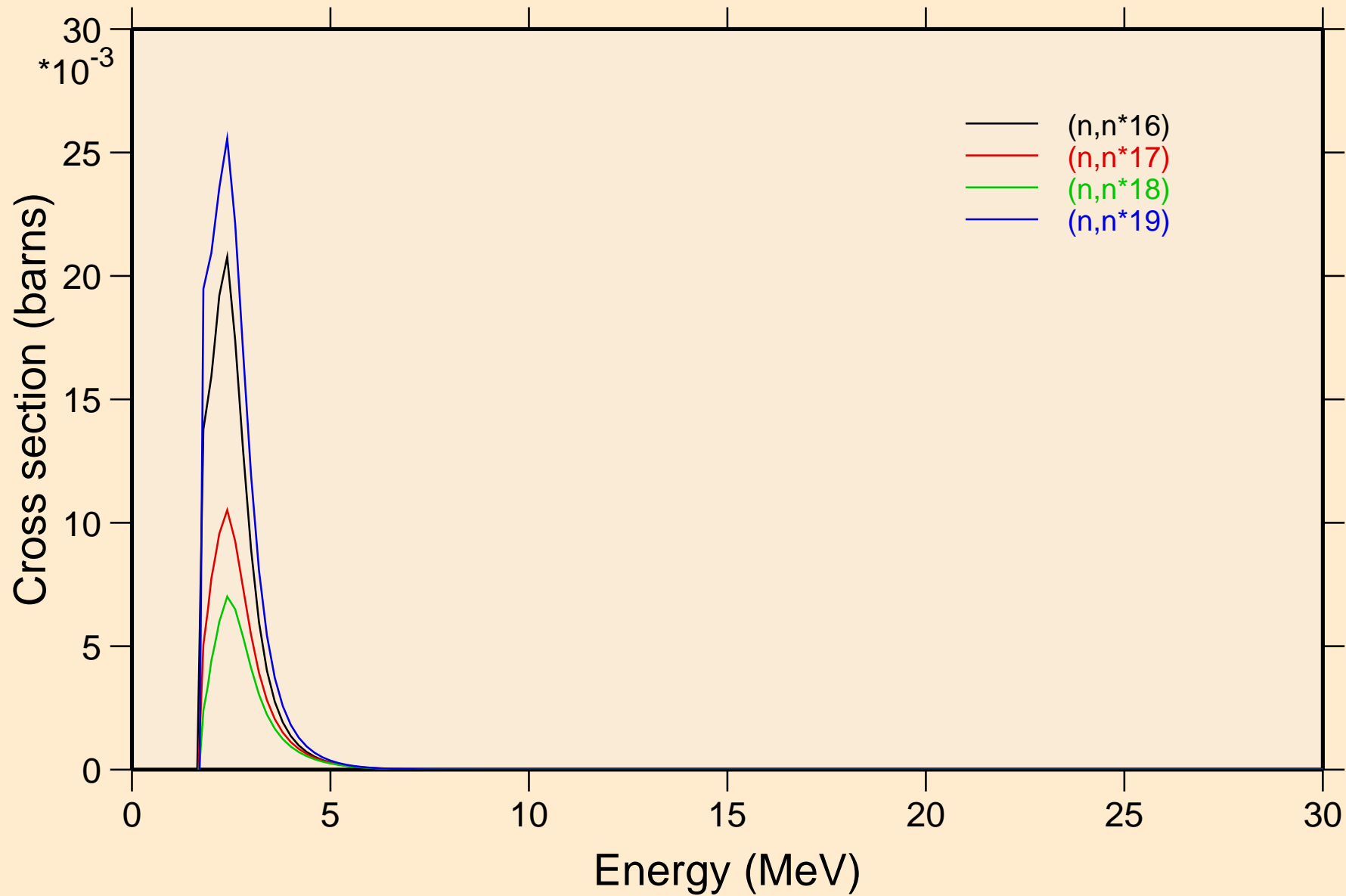
## Inelastic levels



GD145M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

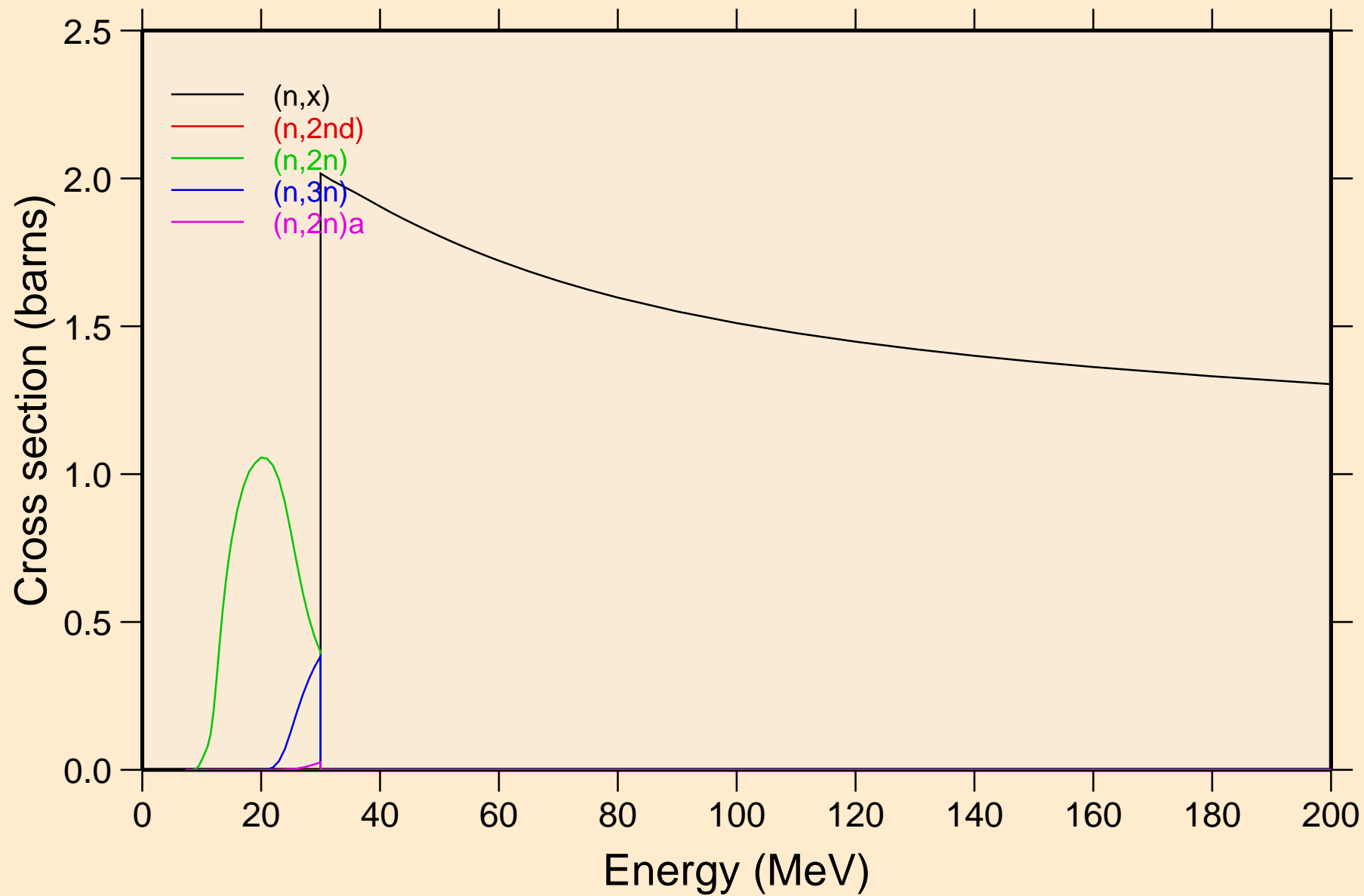


GD145M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

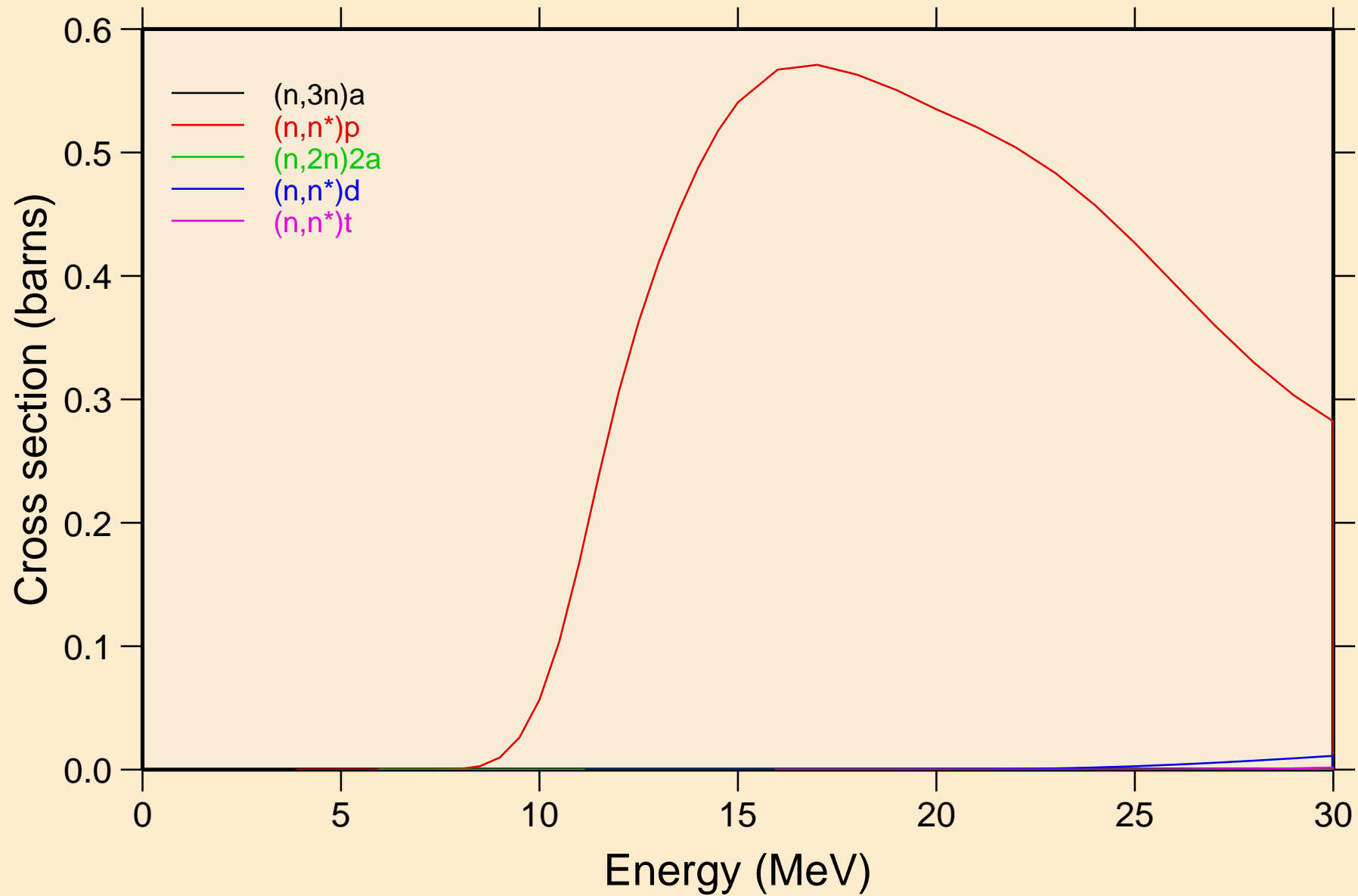


# GD145M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



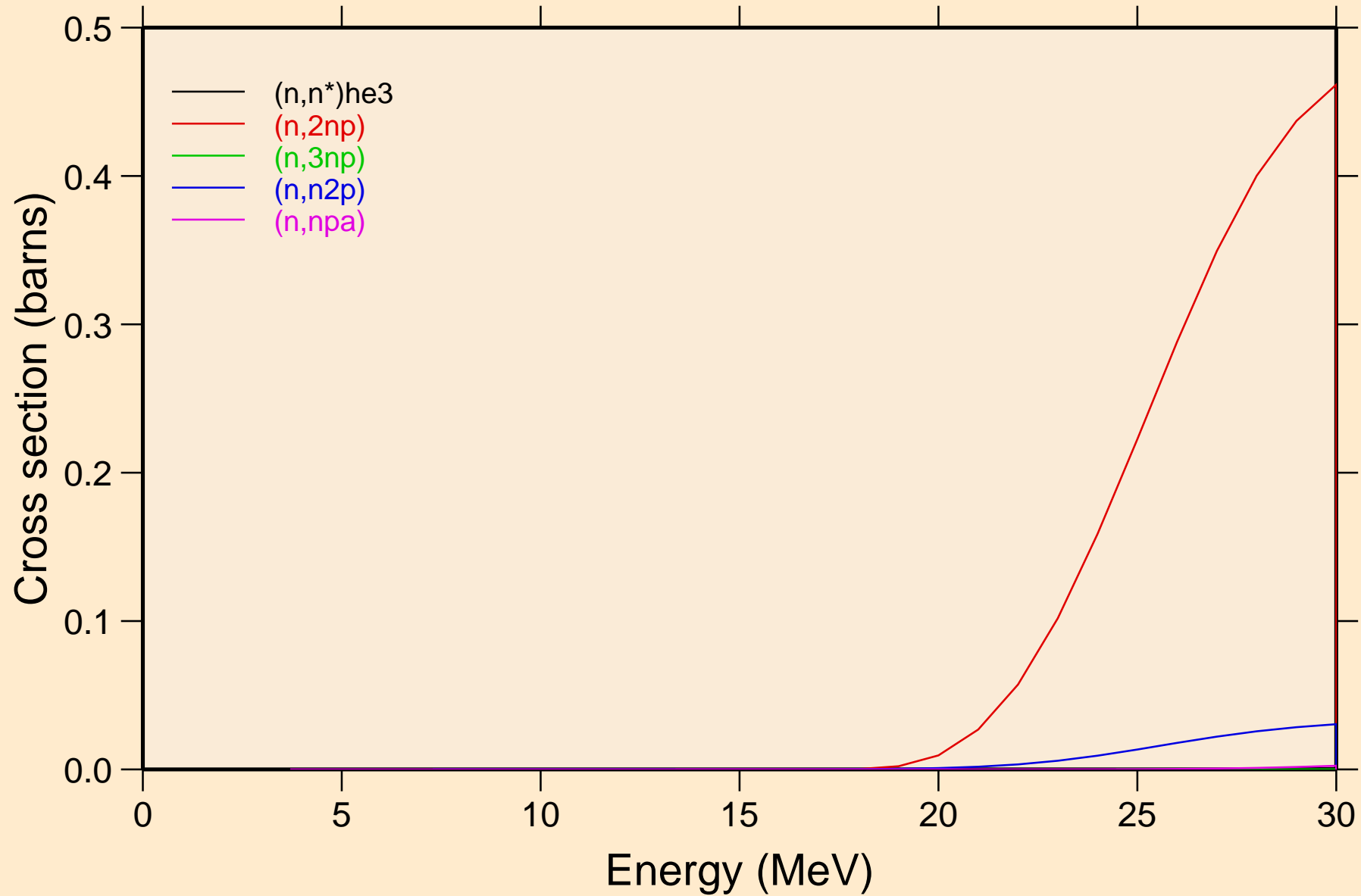
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Threshold reactions





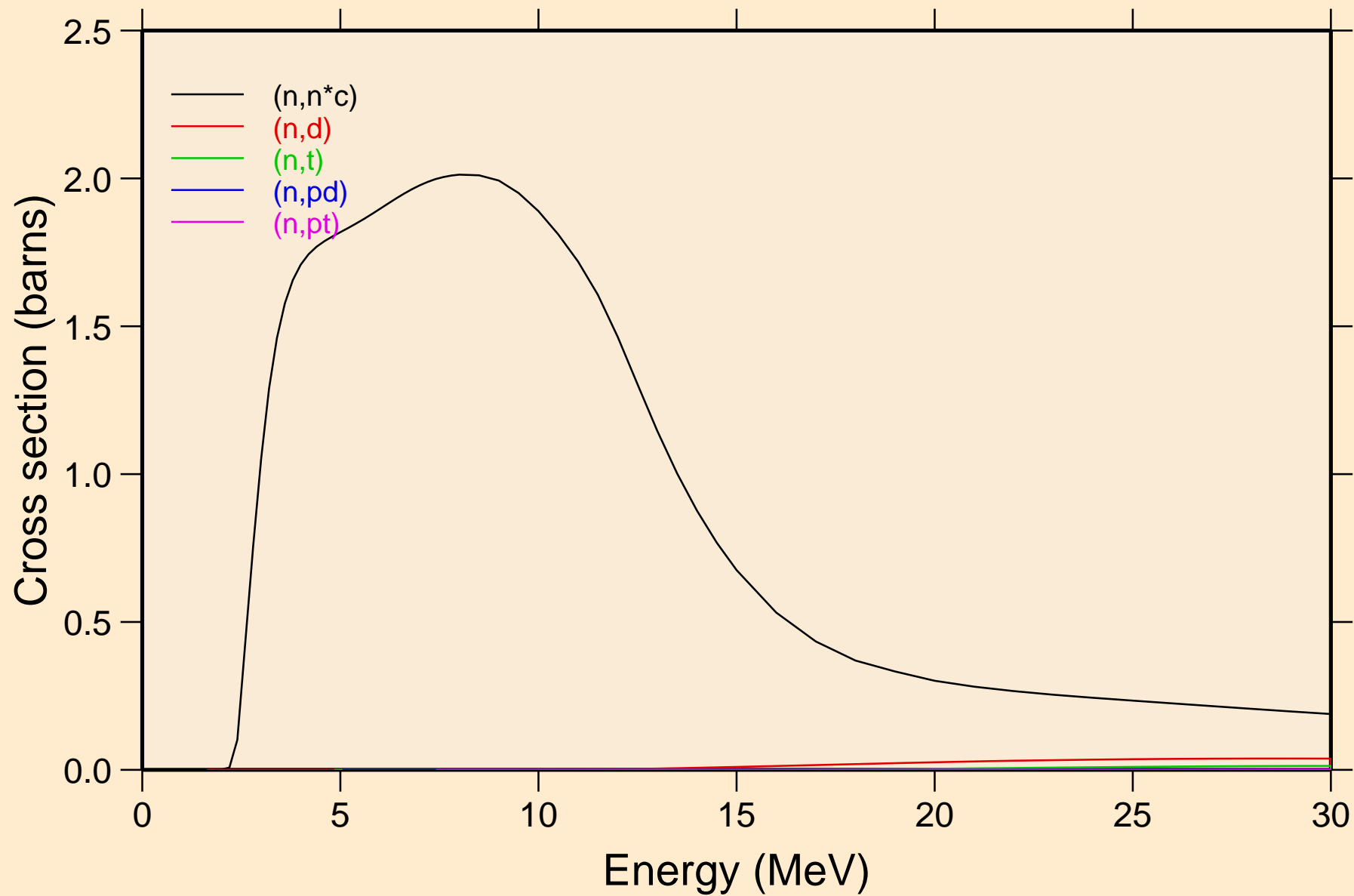
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## Threshold reactions

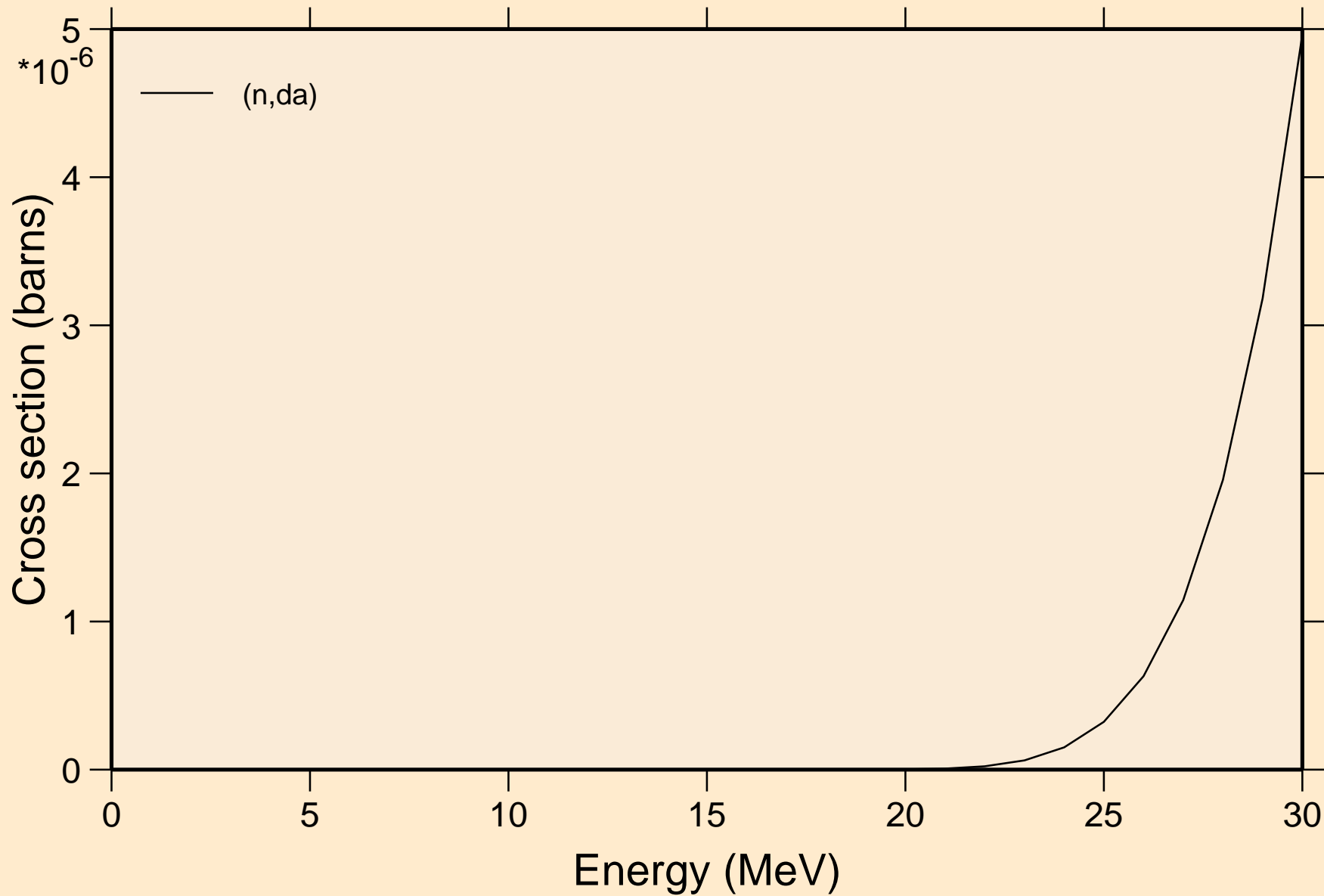


# GD145M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions

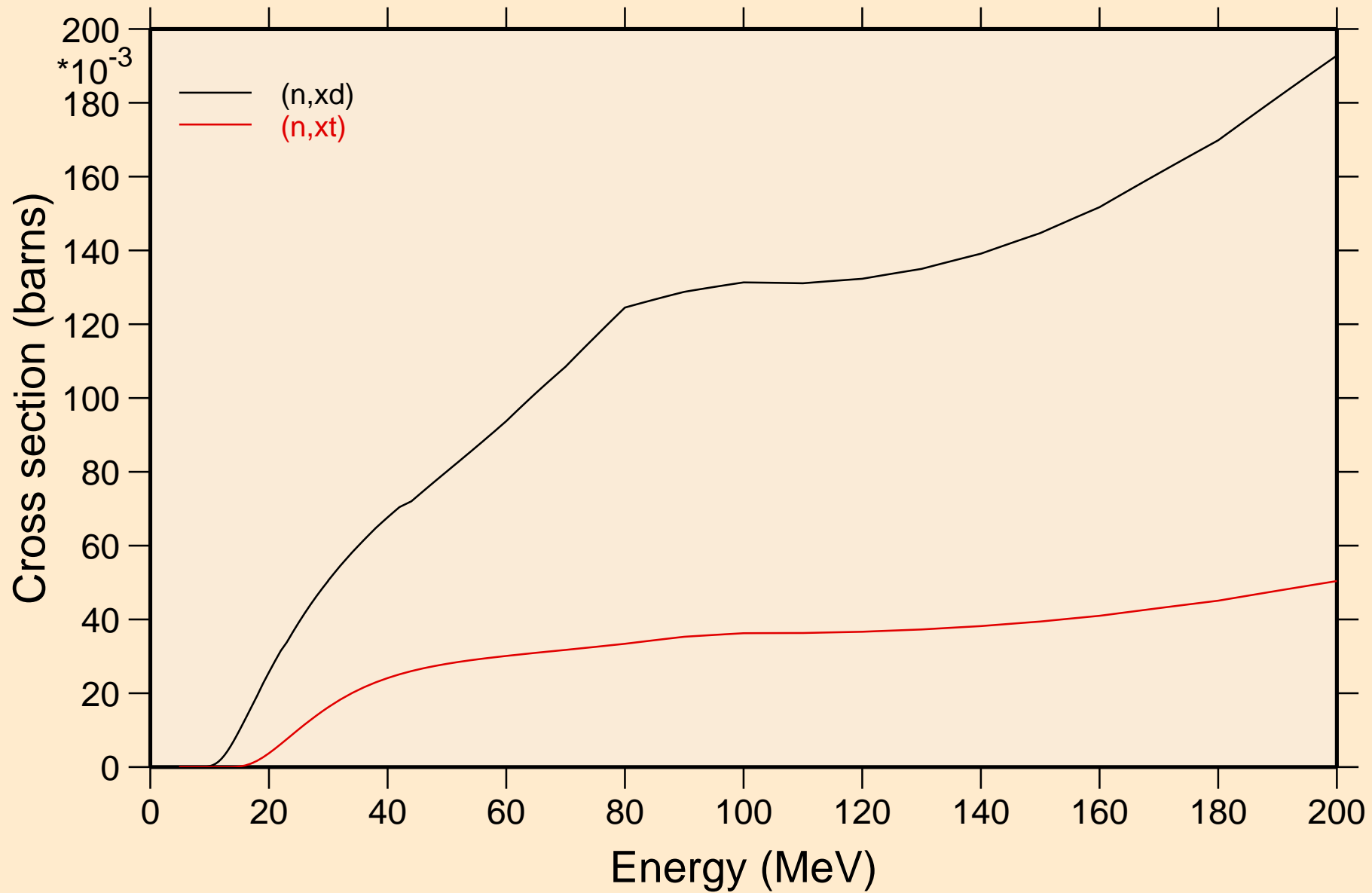


GD145M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

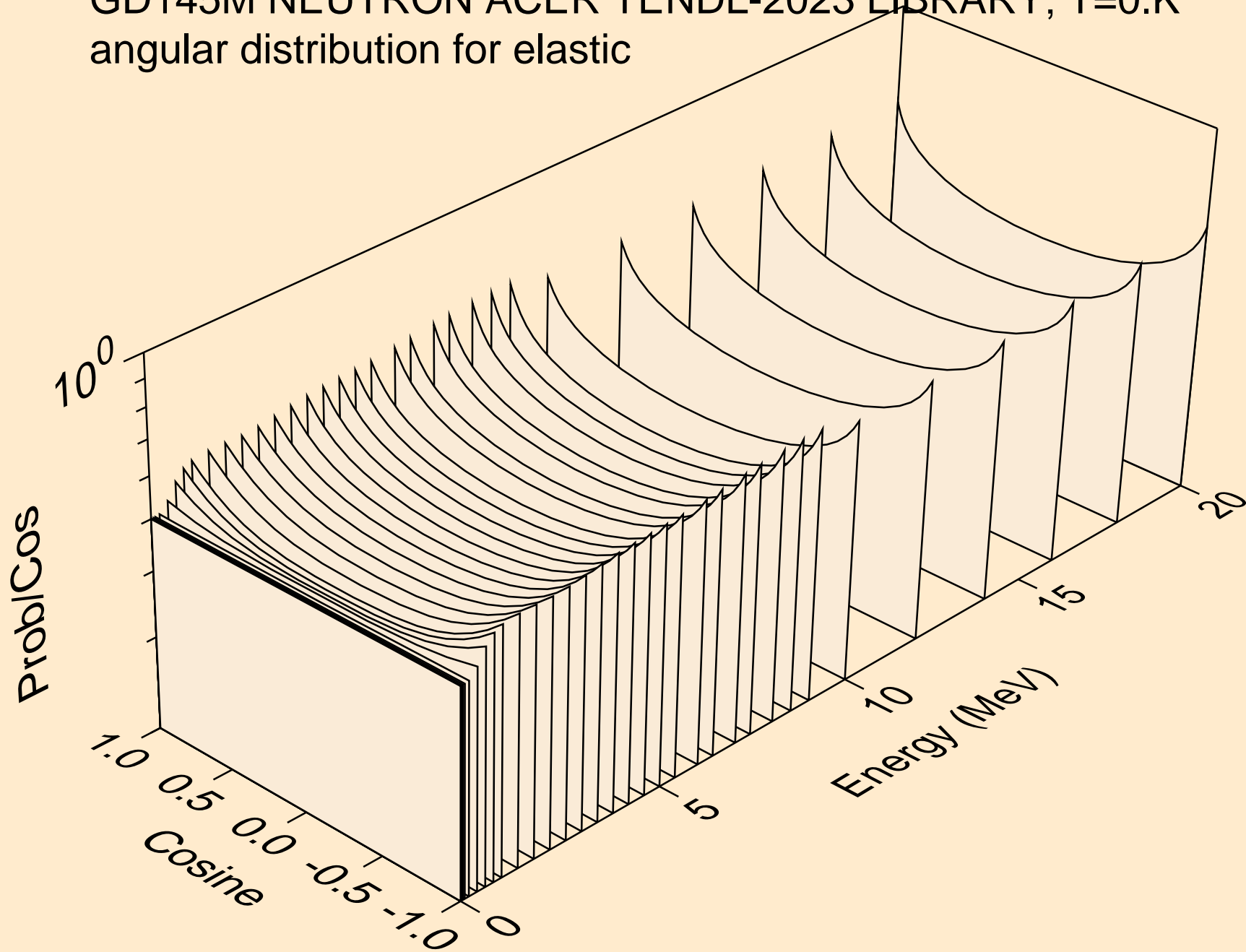


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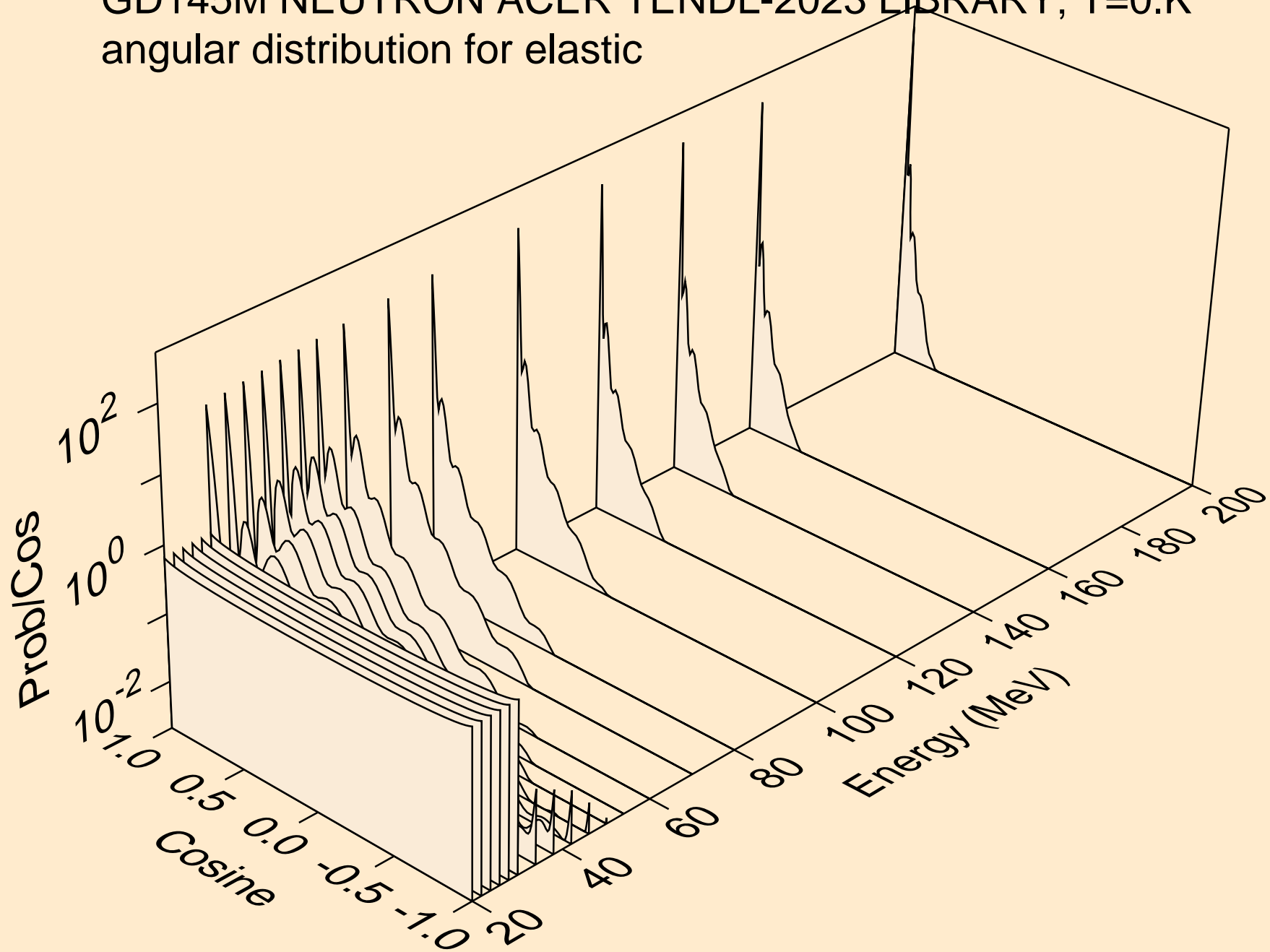
## Threshold reactions



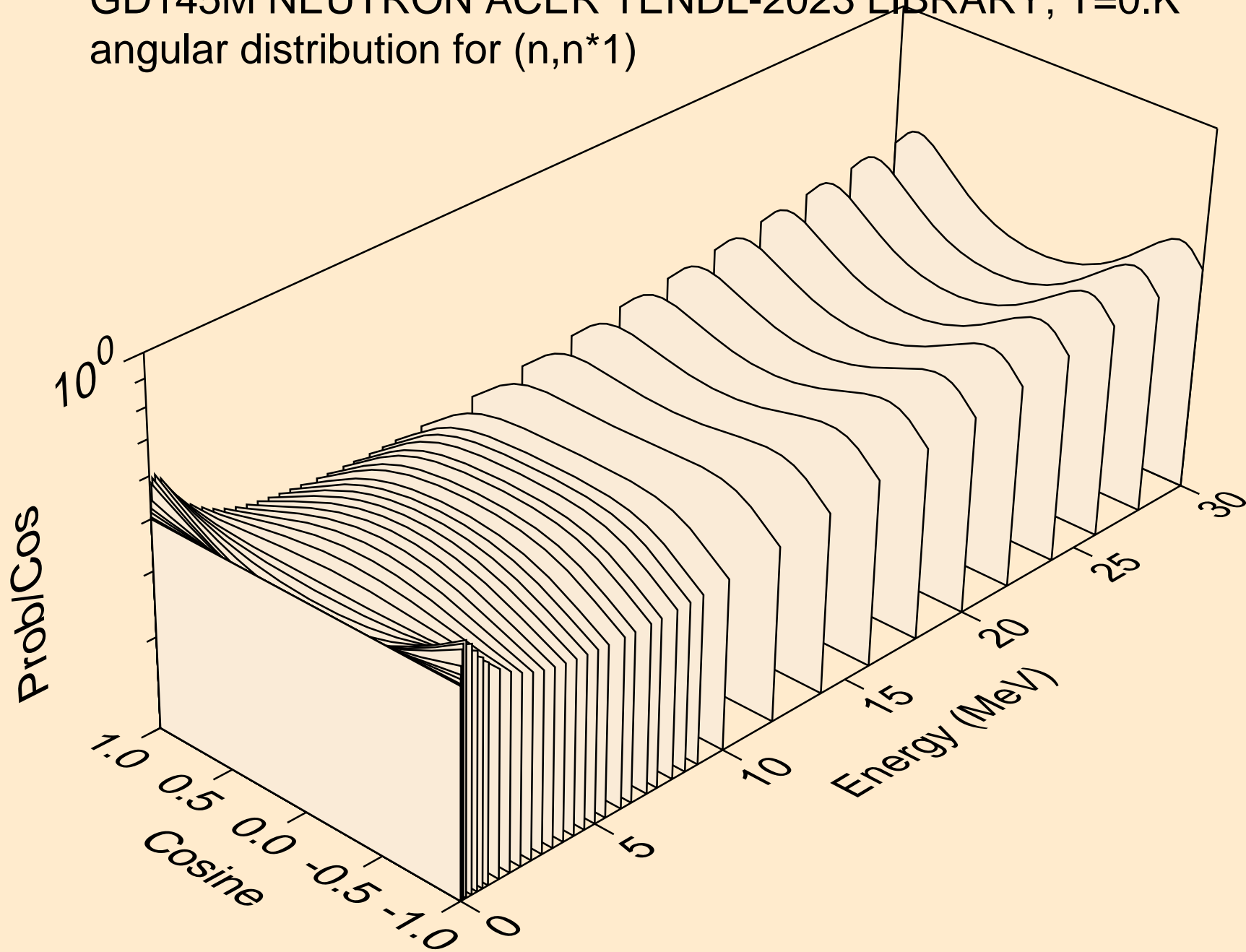
GD145M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



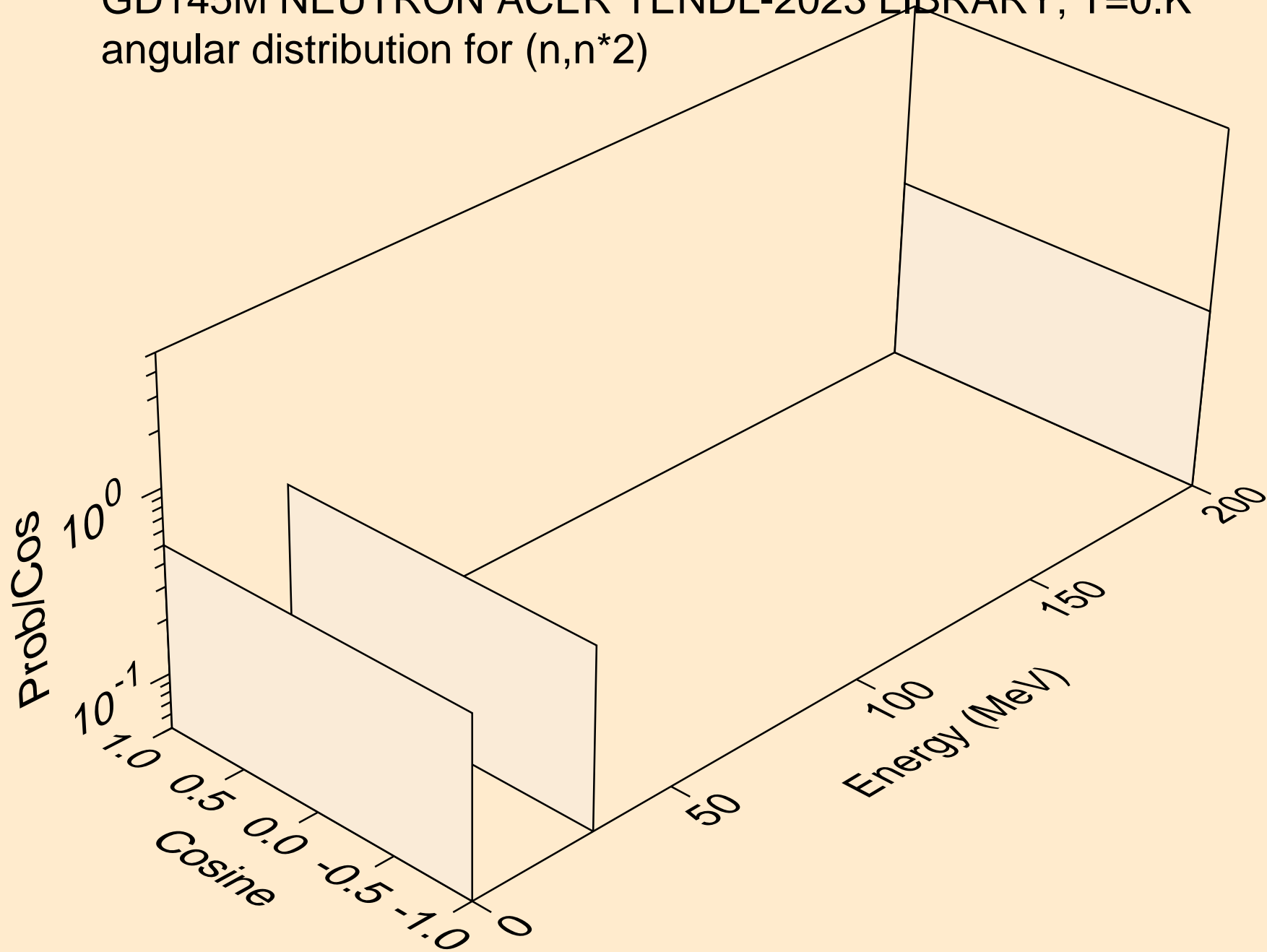
GD145M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



GD145M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*1)

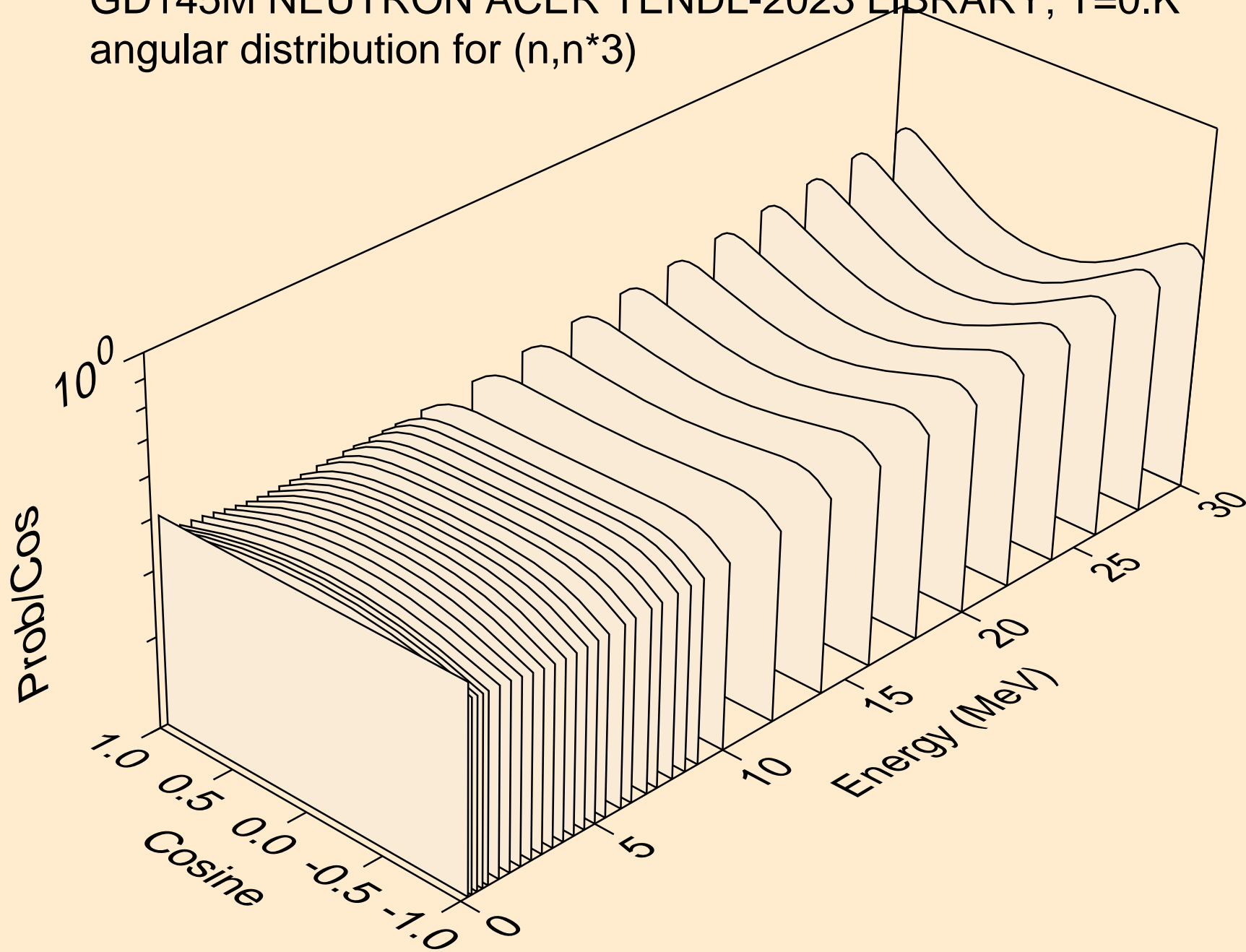


GD145M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*2)

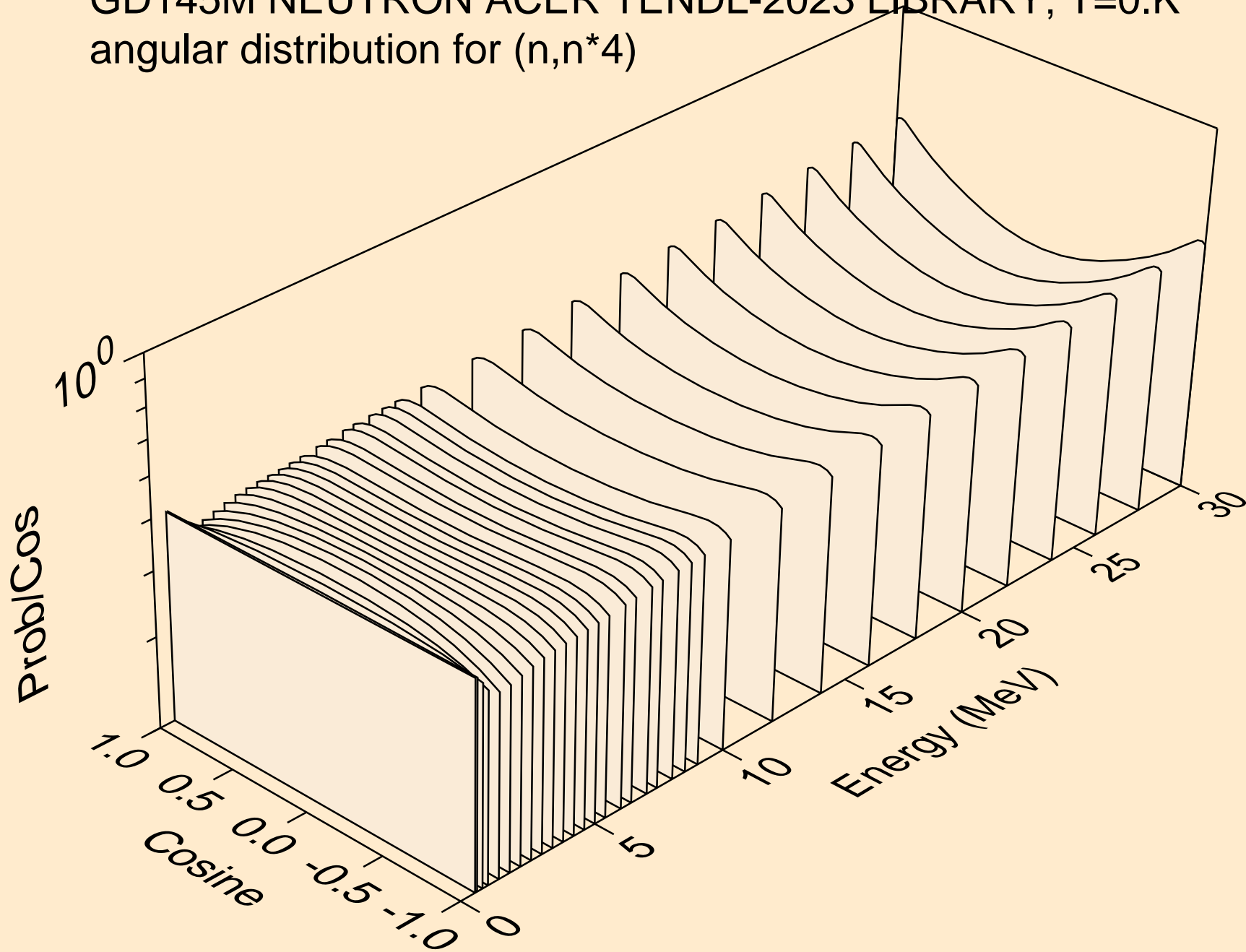




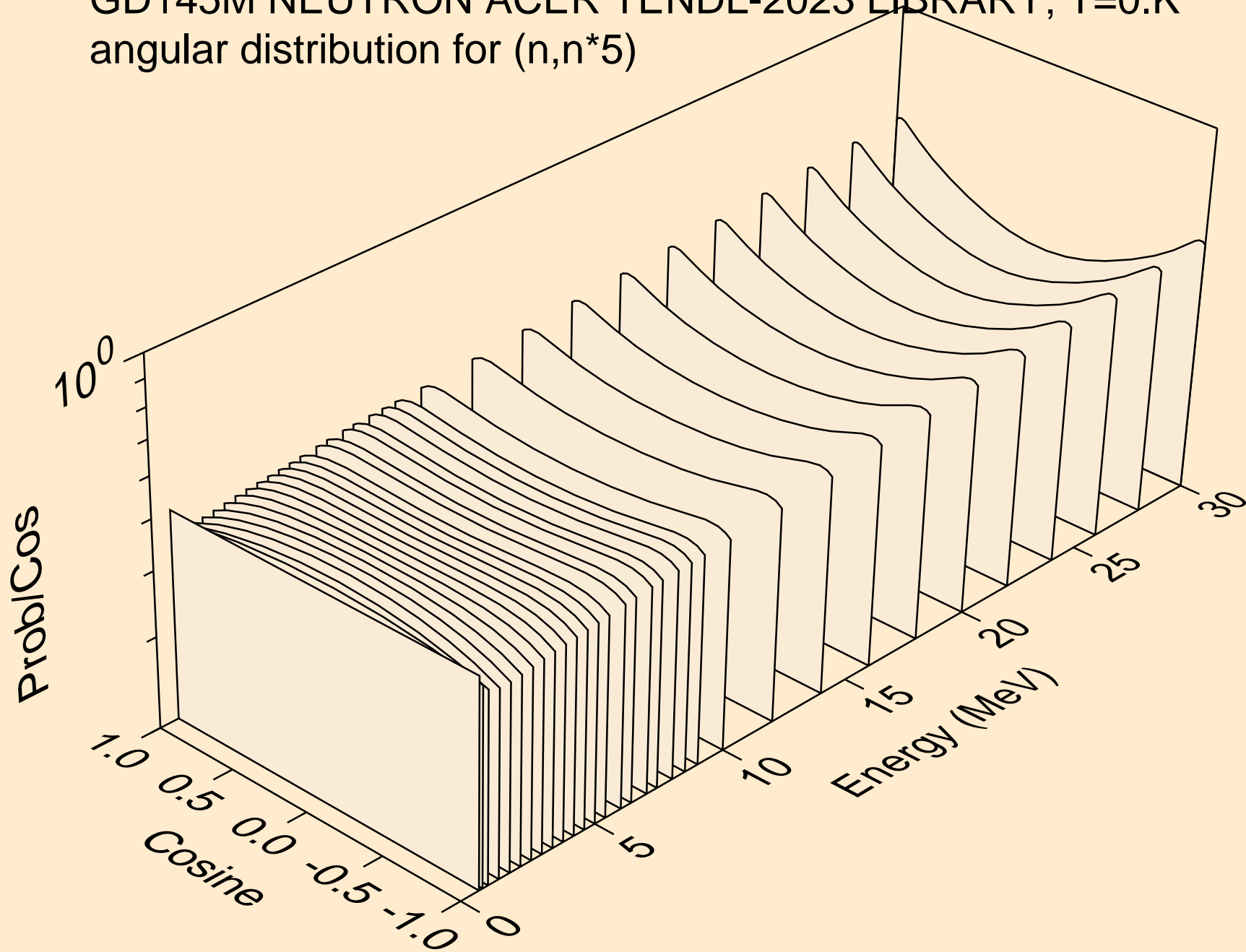
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angular distribution for (n,n\*3)



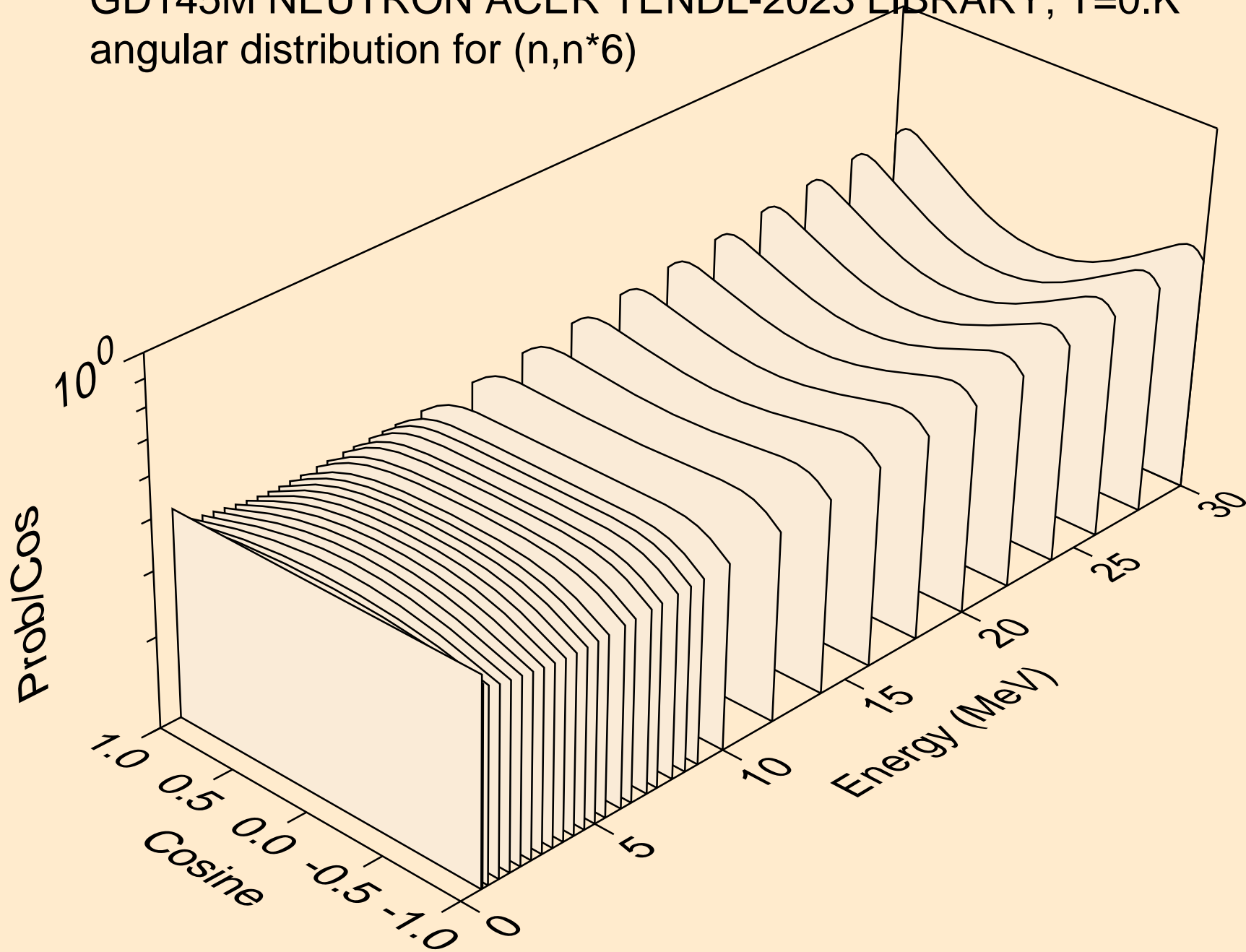
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angular distribution for (n,n\*4)



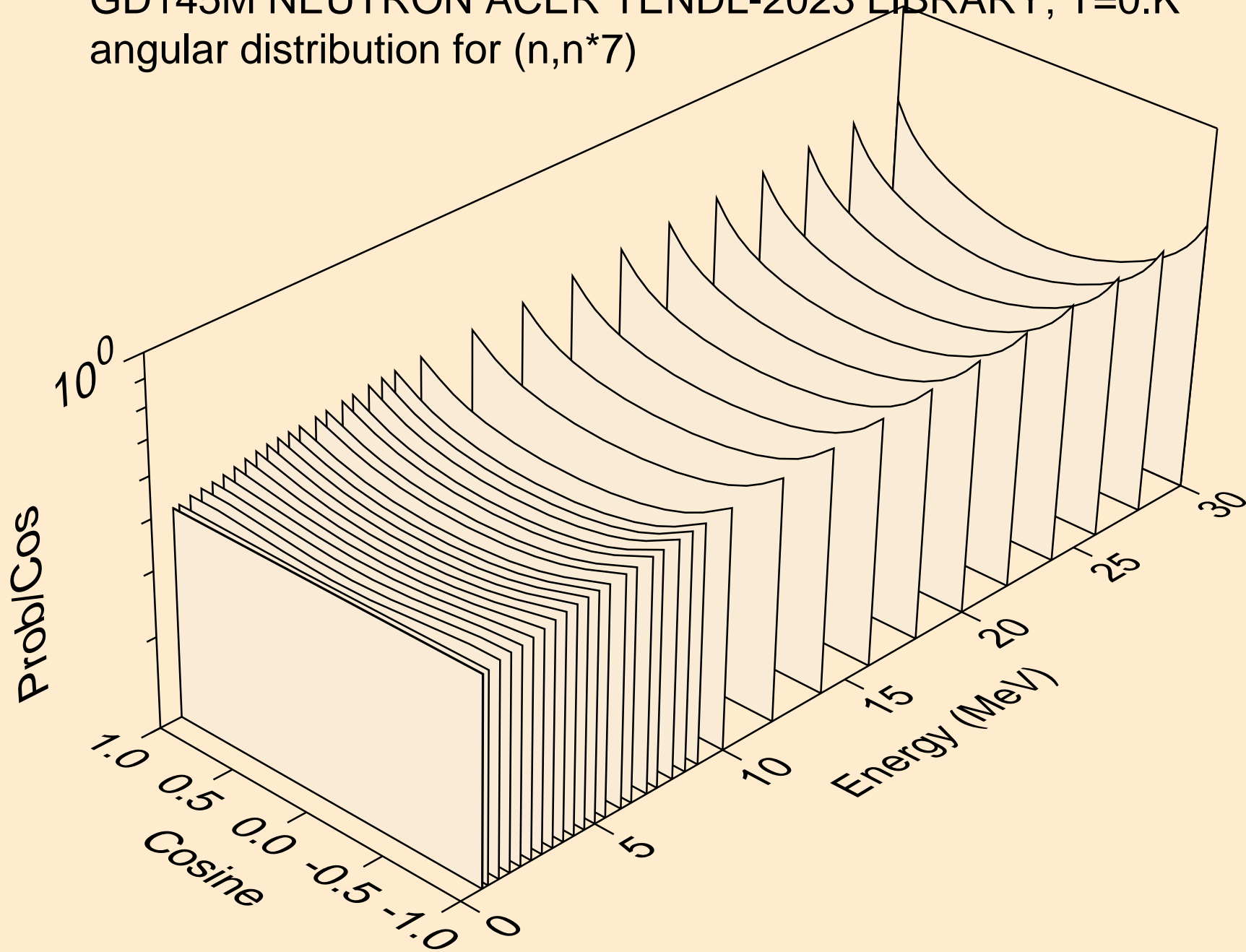
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angular distribution for (n,n\*5)



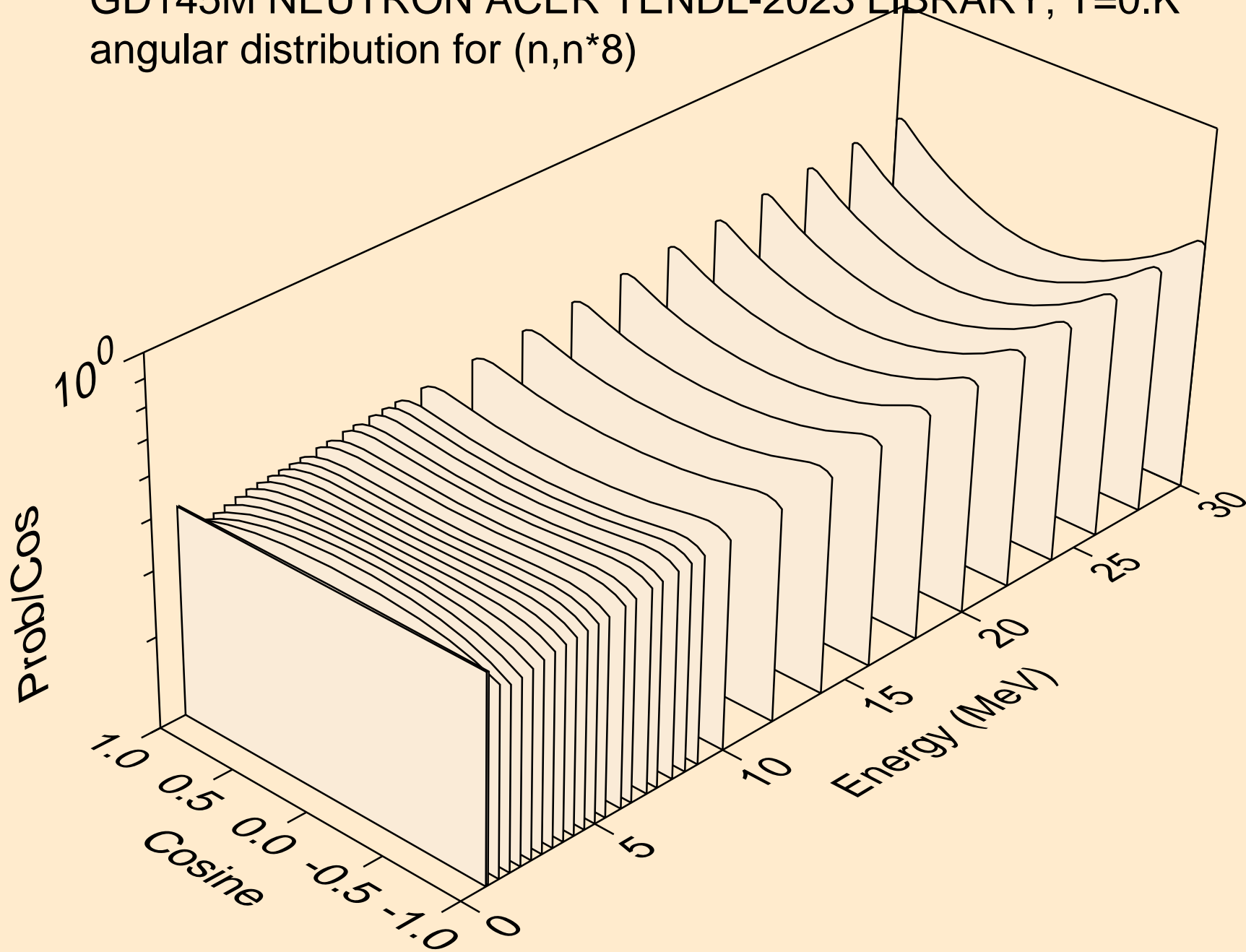
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angular distribution for (n,n\*6)



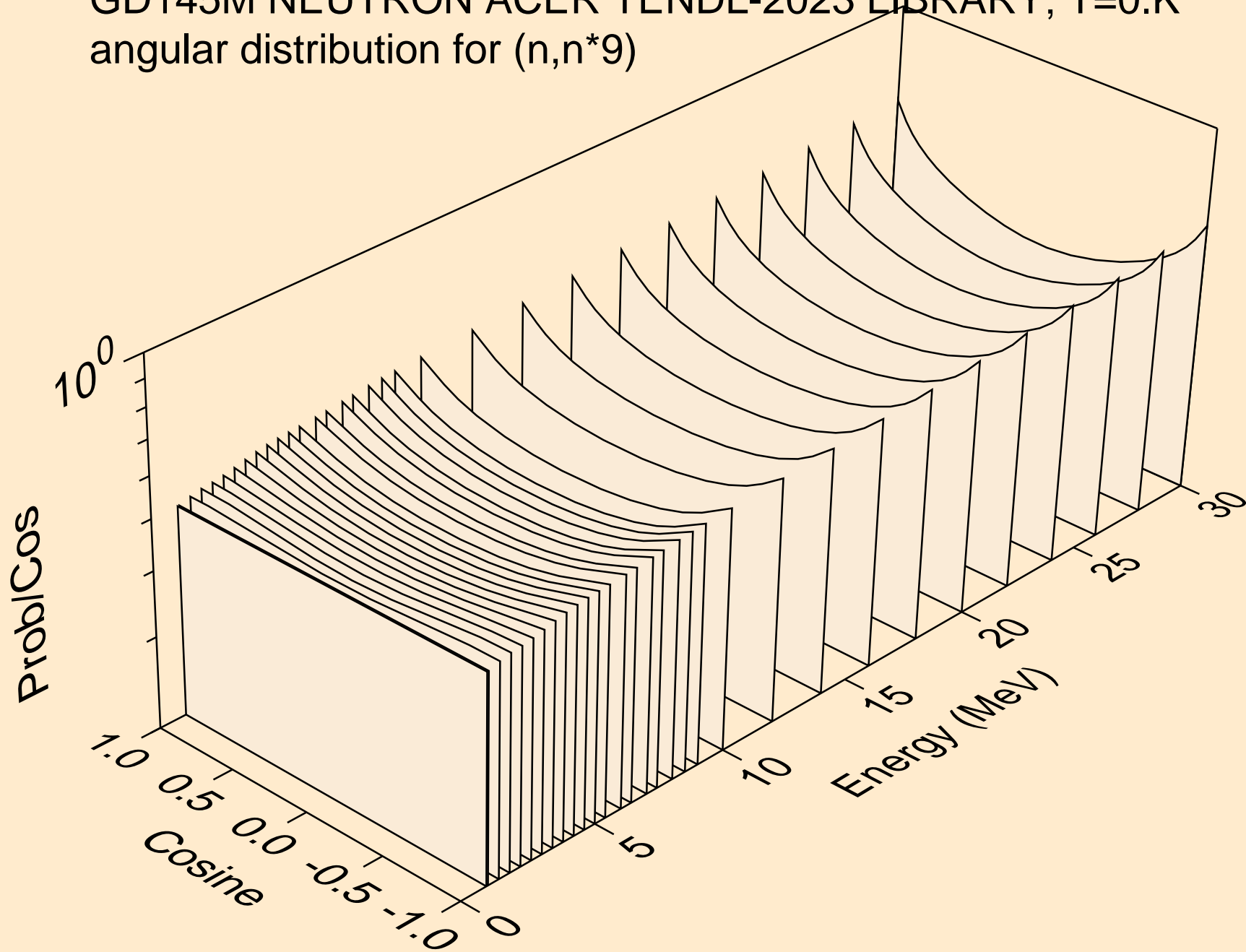
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angular distribution for (n,n\*7)



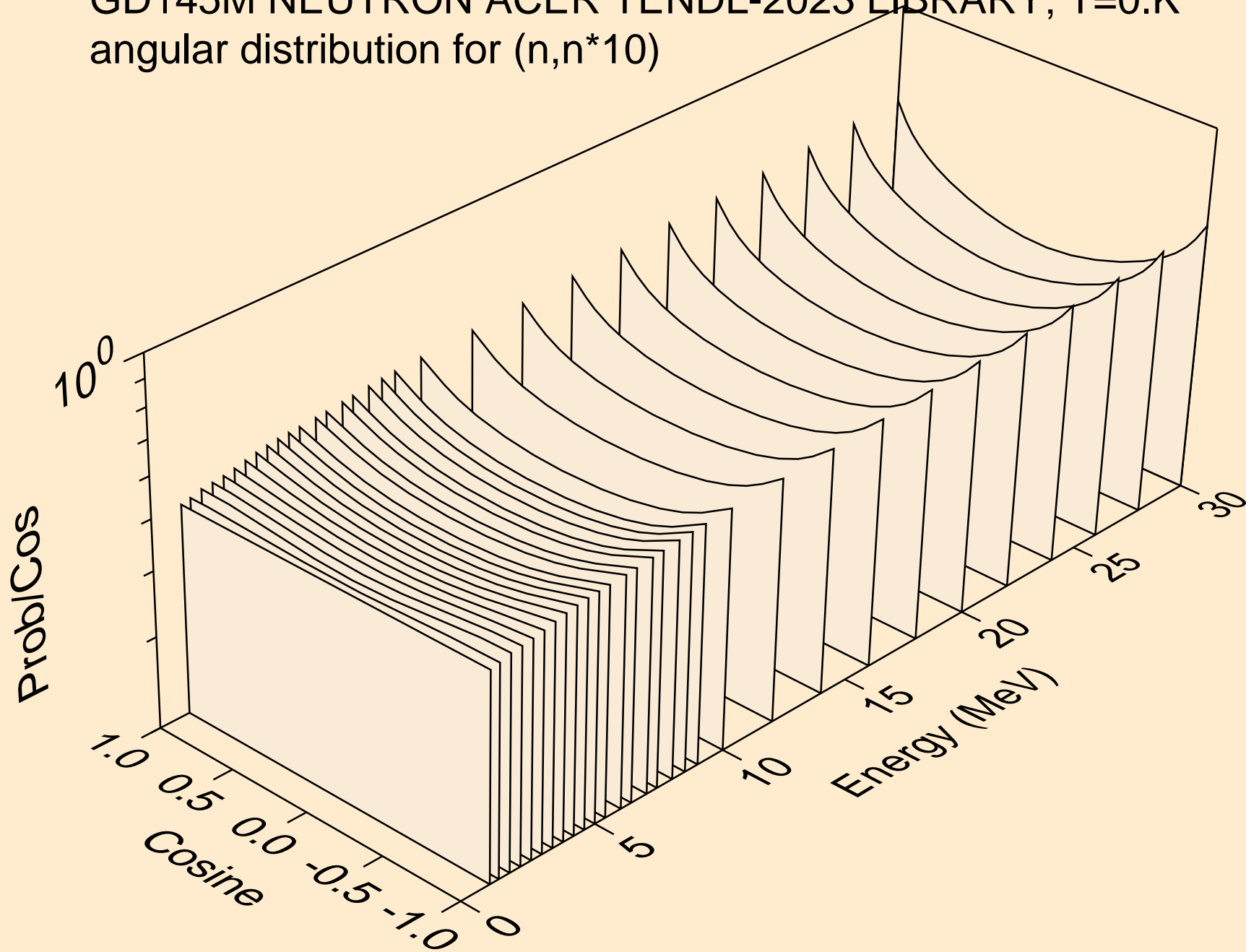
GD145M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*8)



GD145M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*9)

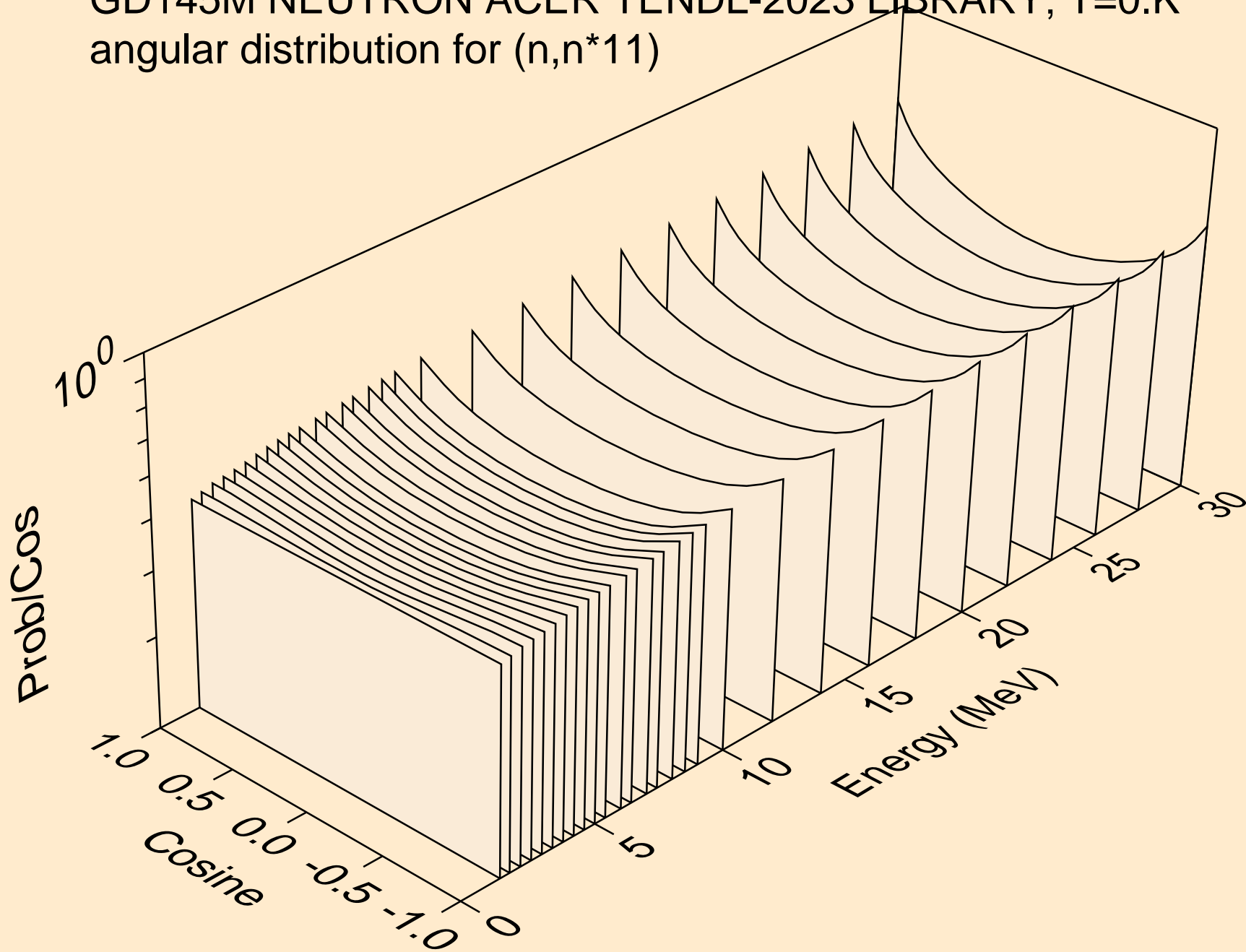


GD145M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*10)

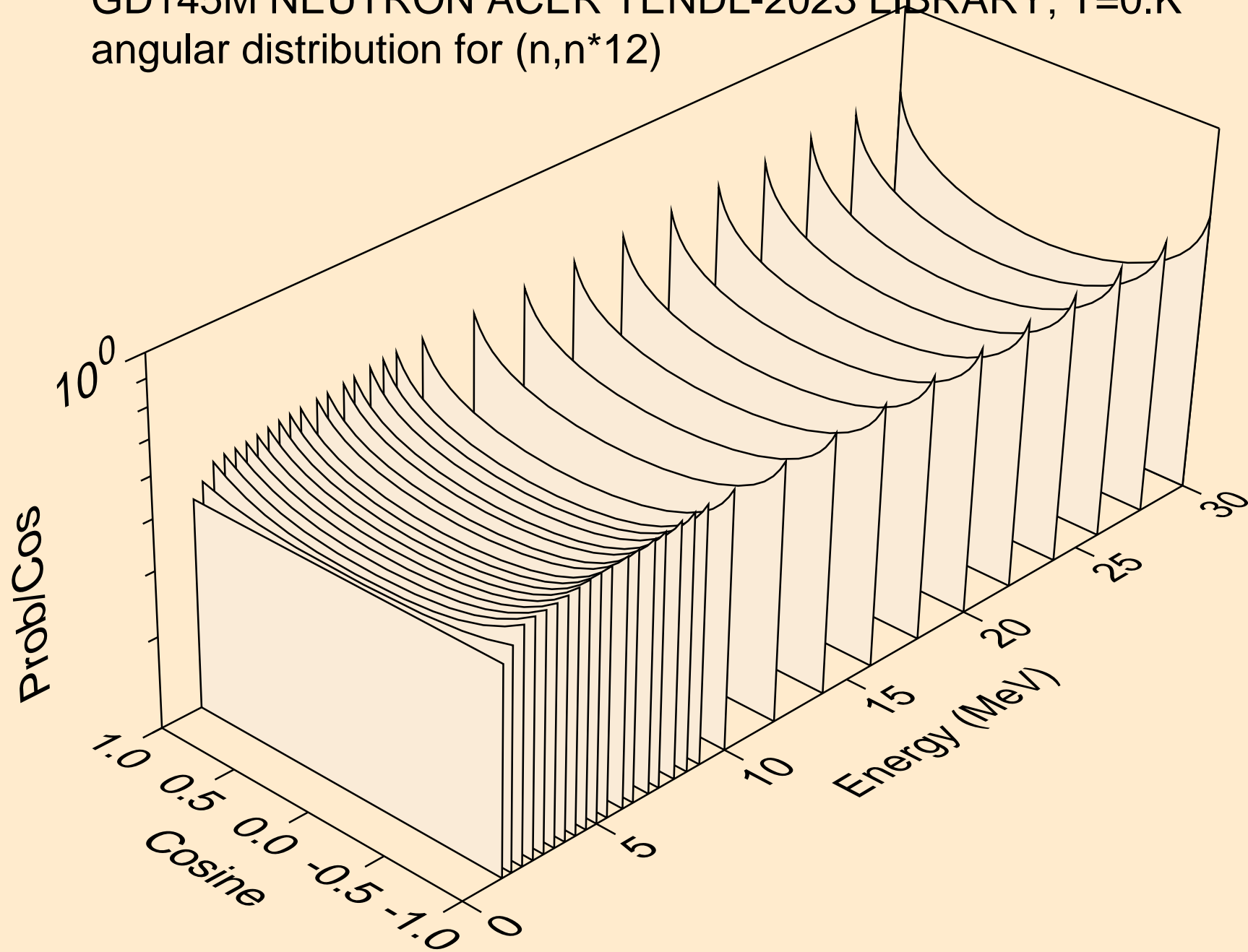




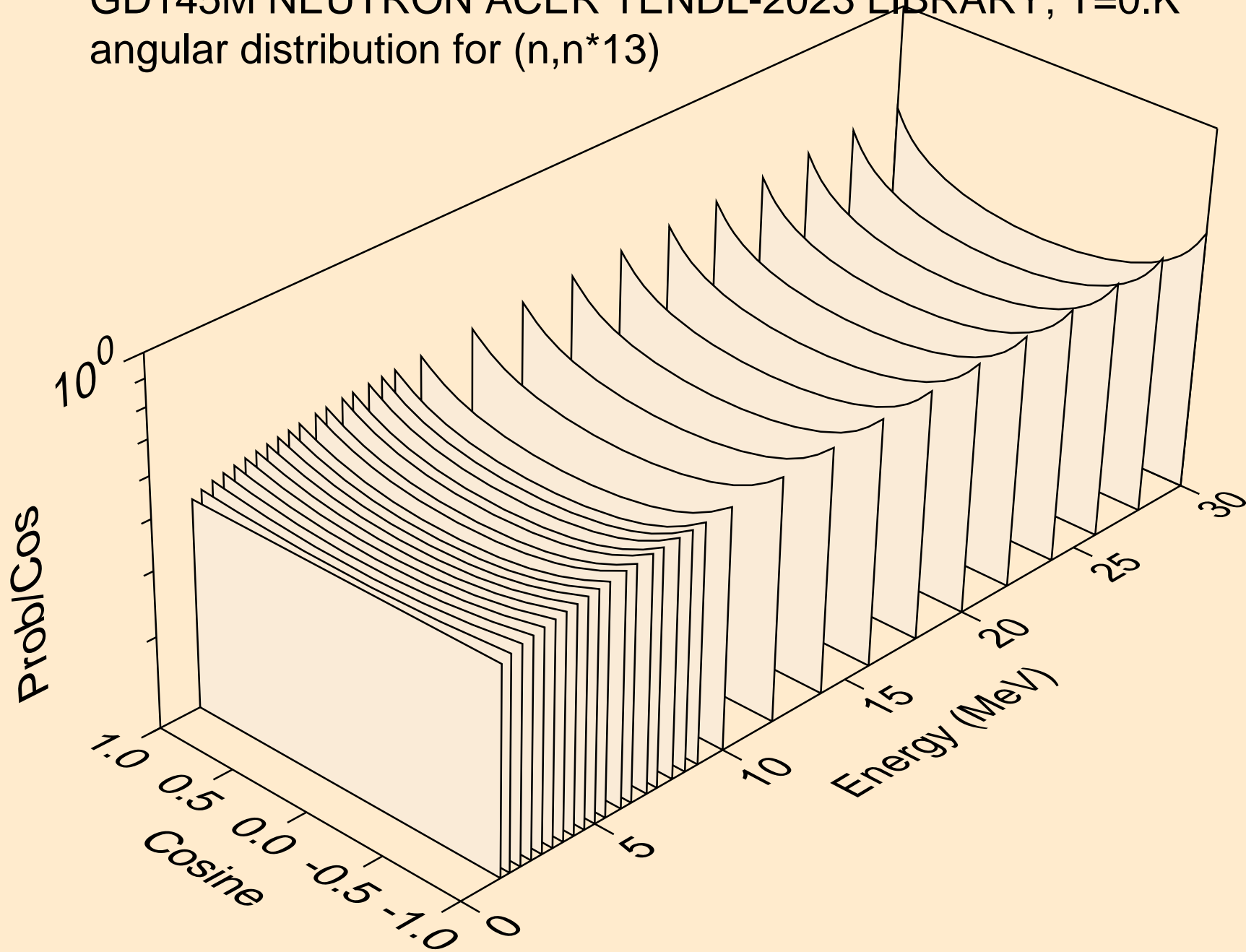
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angular distribution for (n,n\*11)



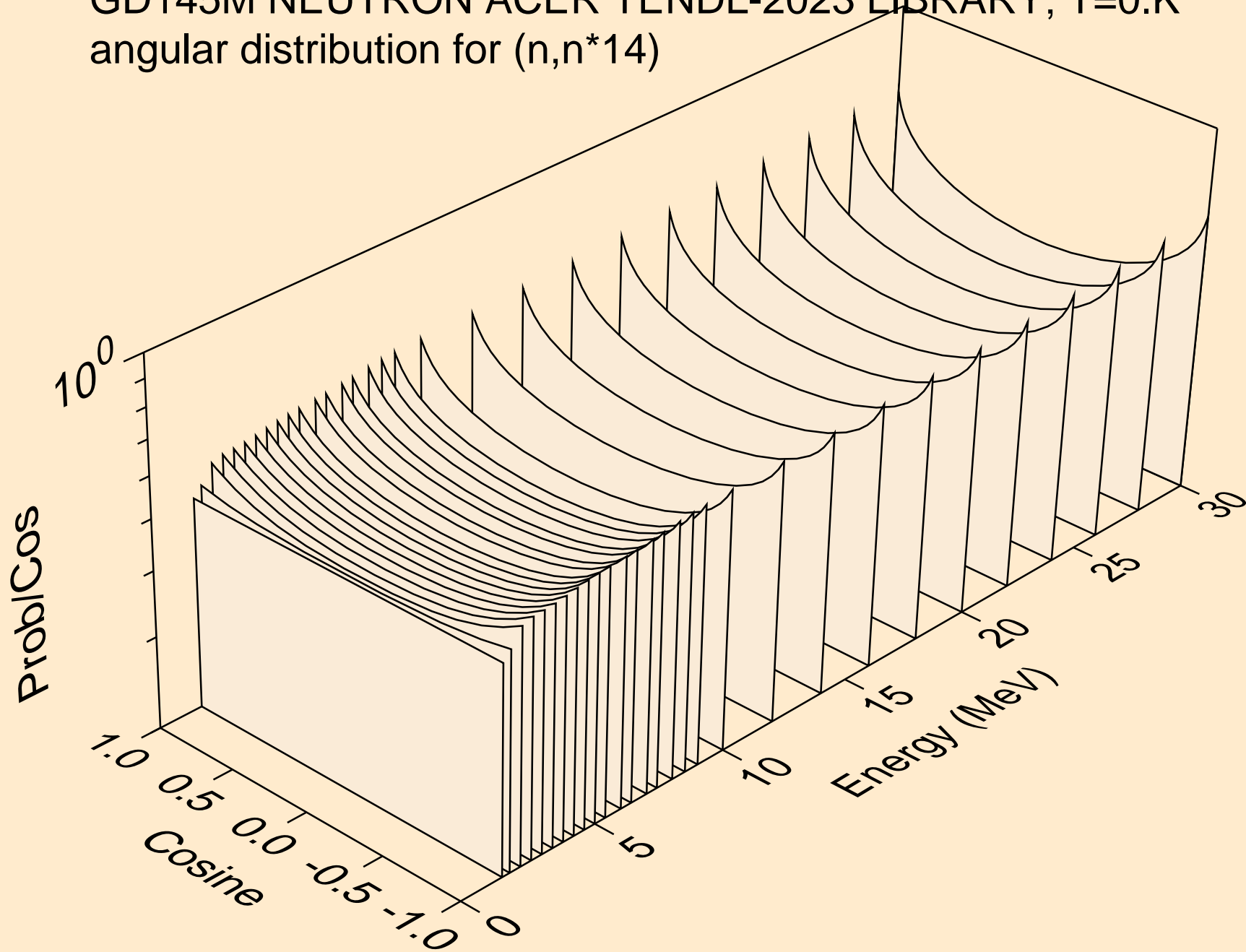
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angular distribution for (n,n\*12)



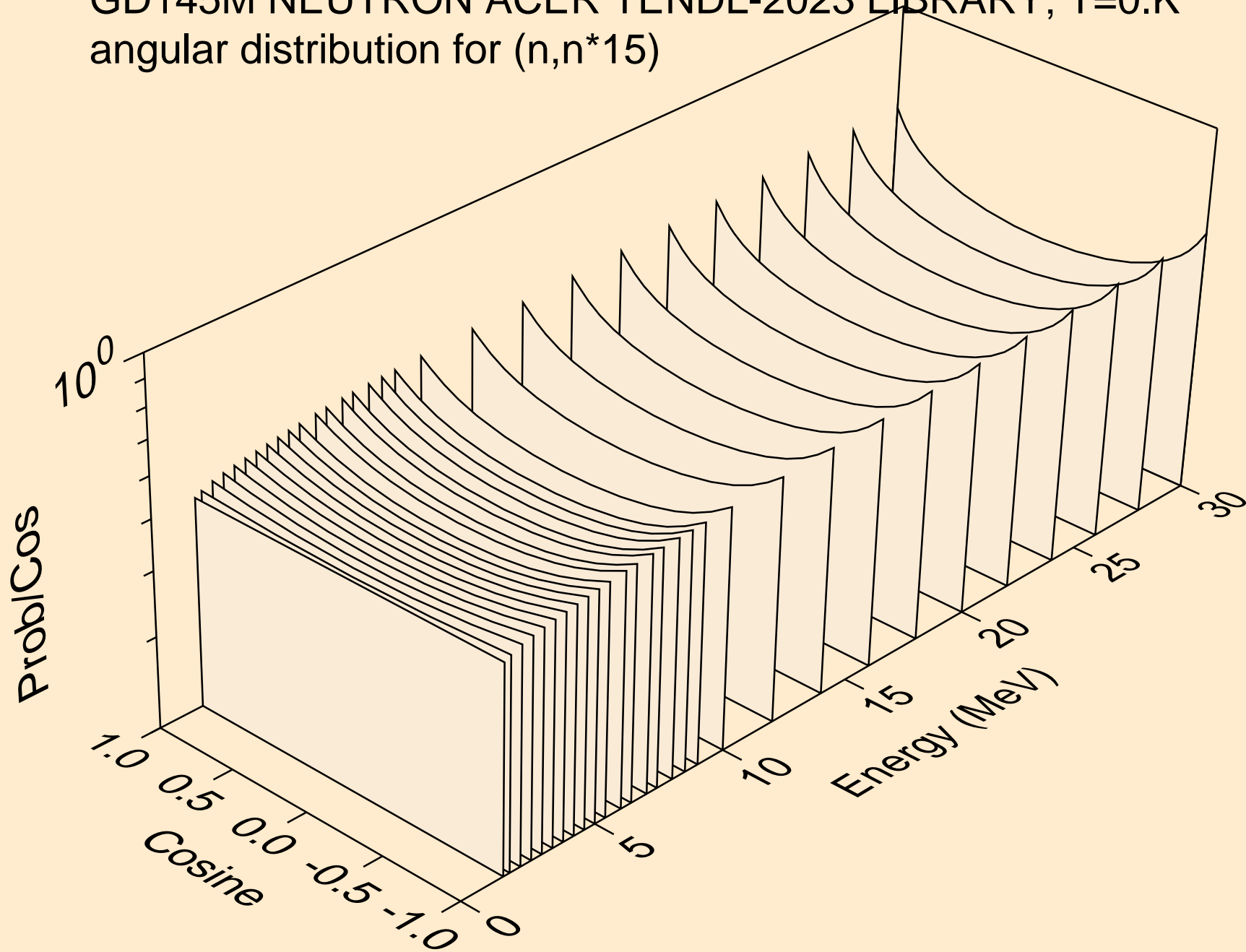
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angular distribution for (n,n\*13)



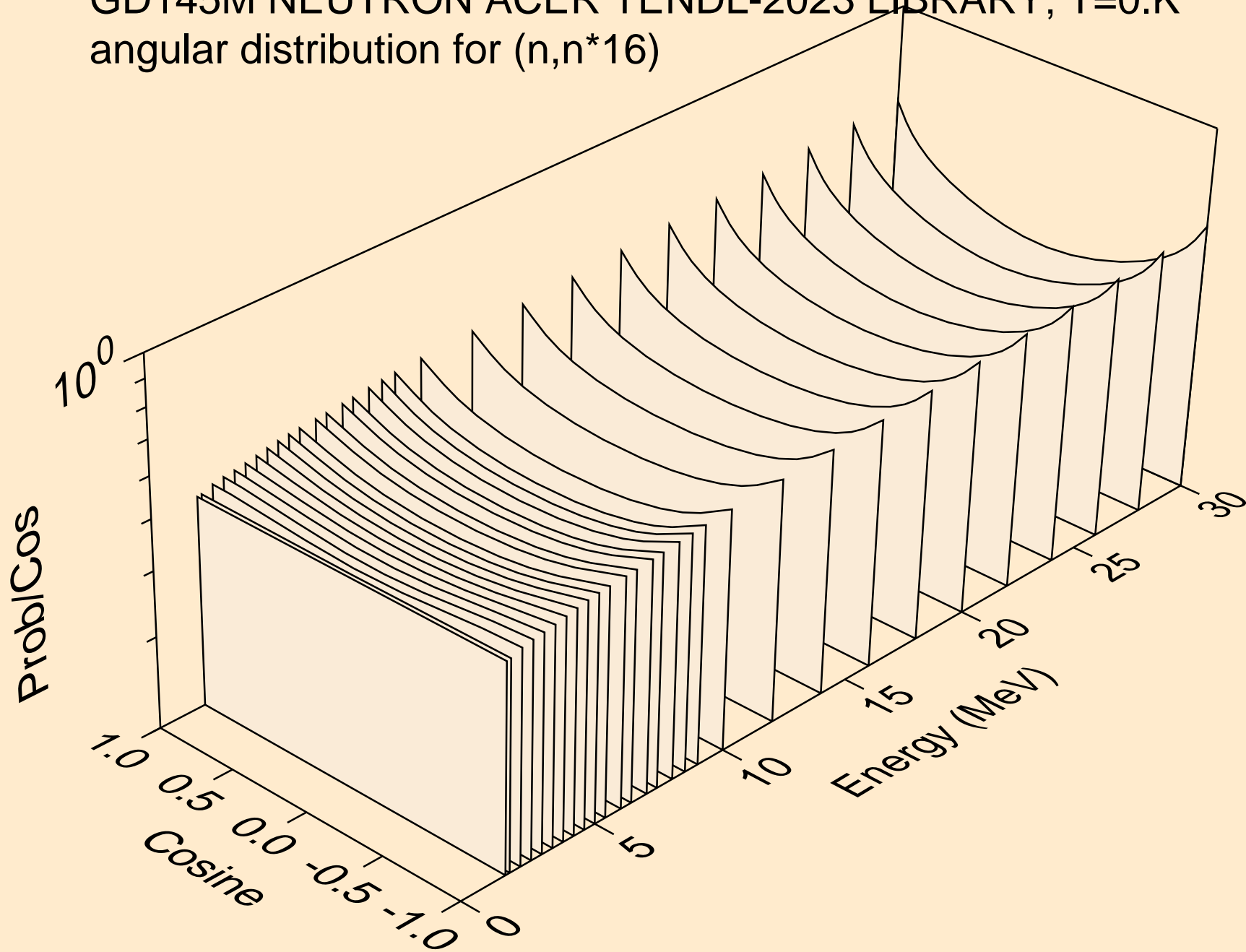
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angular distribution for (n,n\*14)



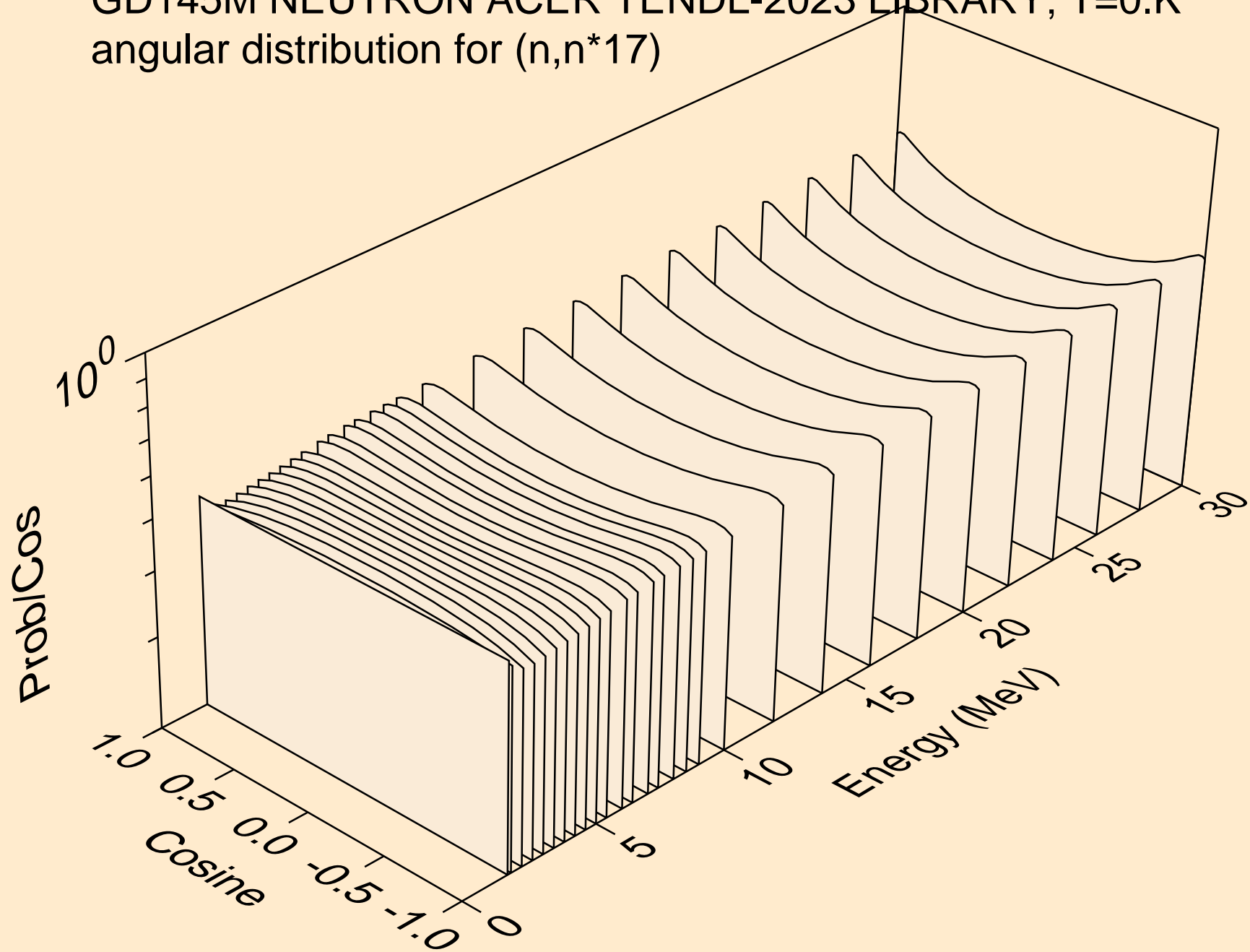
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angular distribution for (n,n\*15)



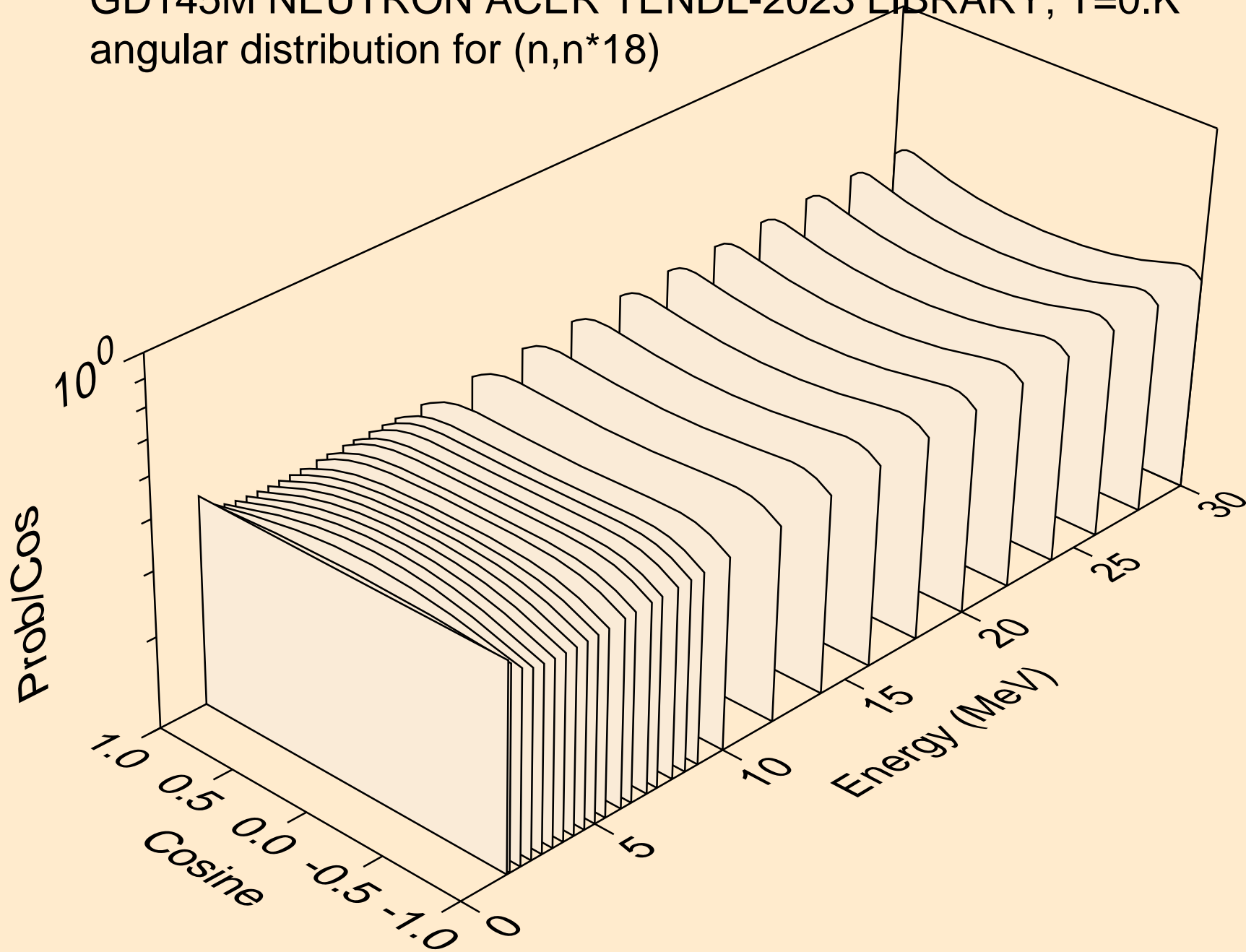
GD145M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*16)



GD145M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*17)

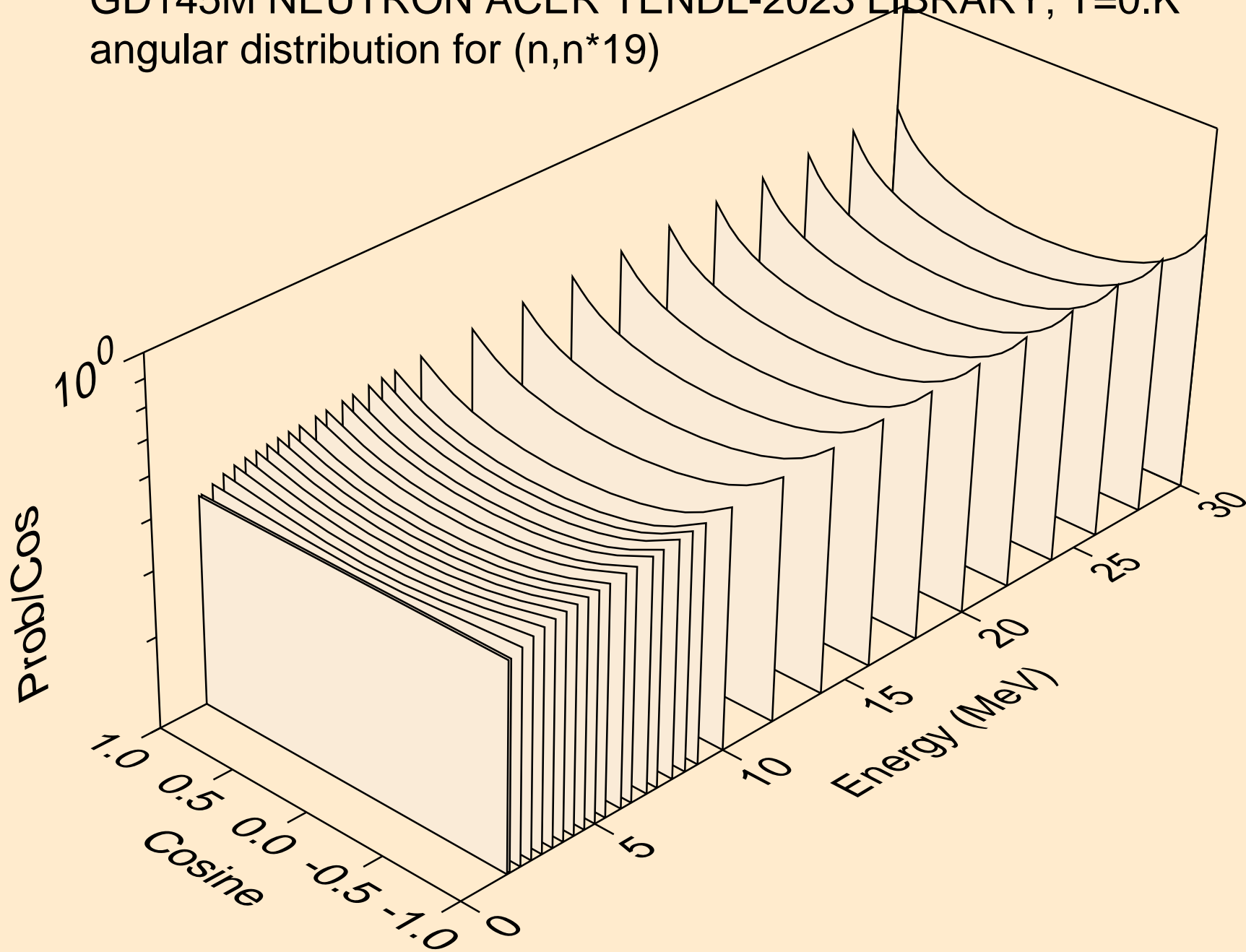


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angular distribution for (n,n\*18)

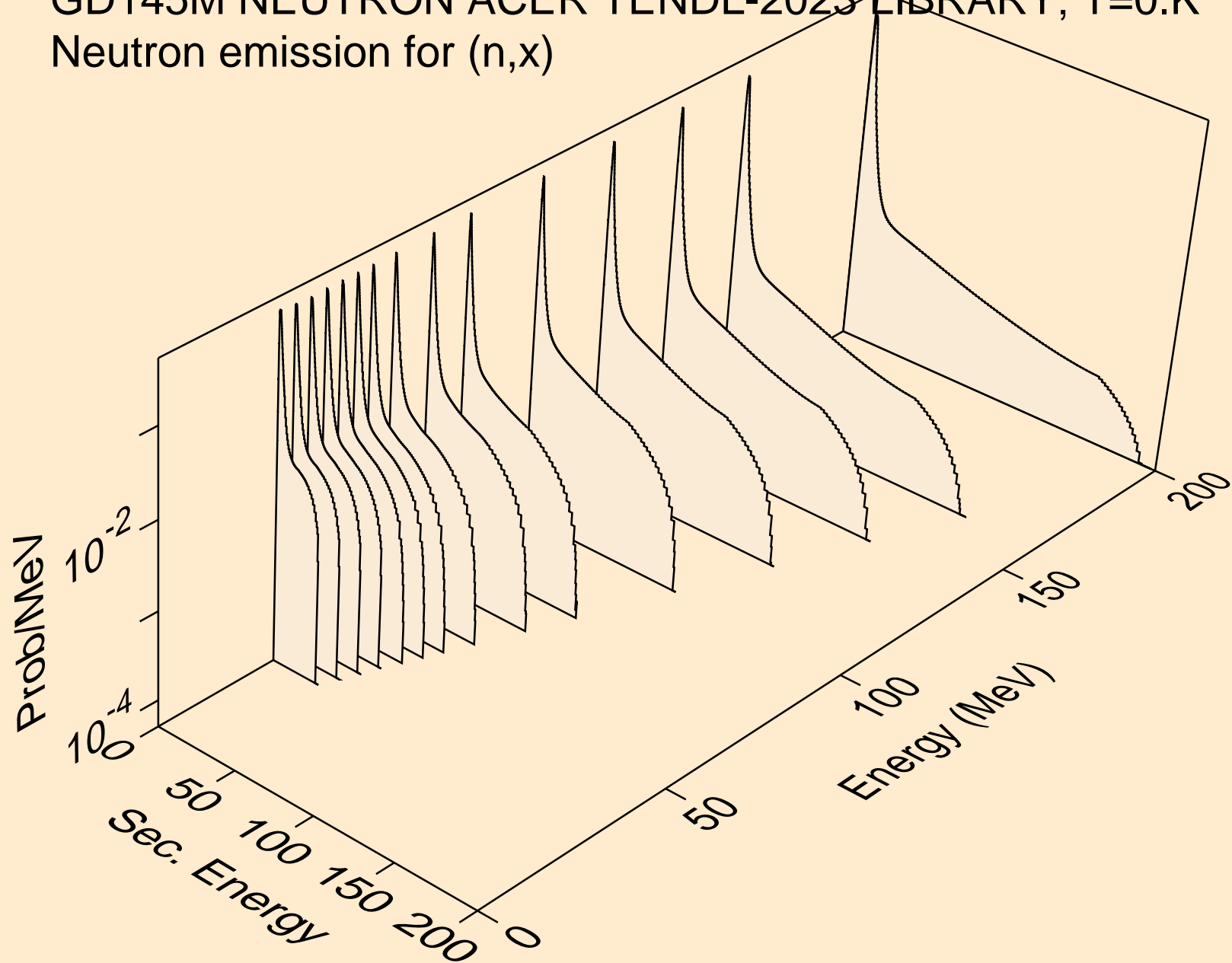




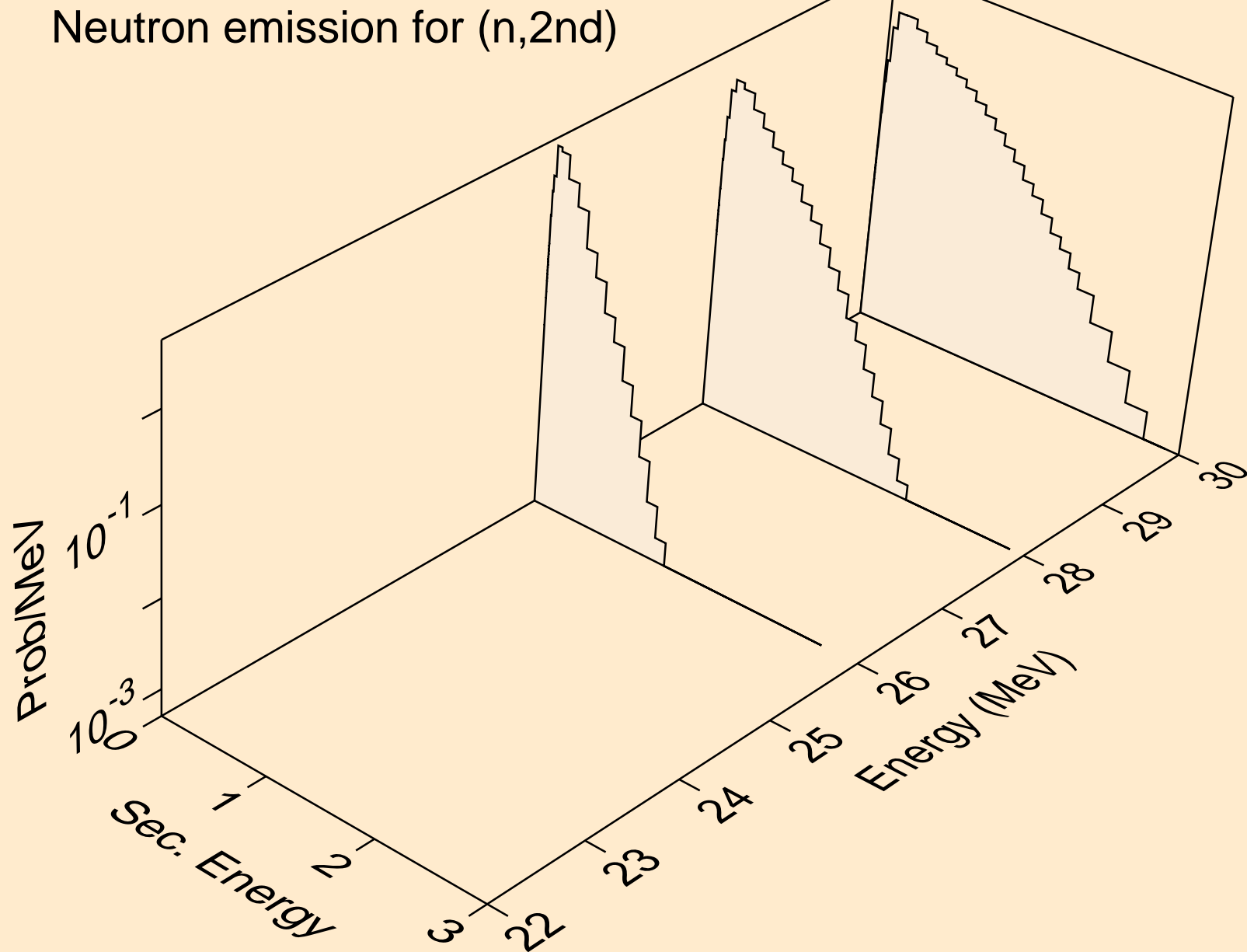
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angular distribution for (n,n\*19)



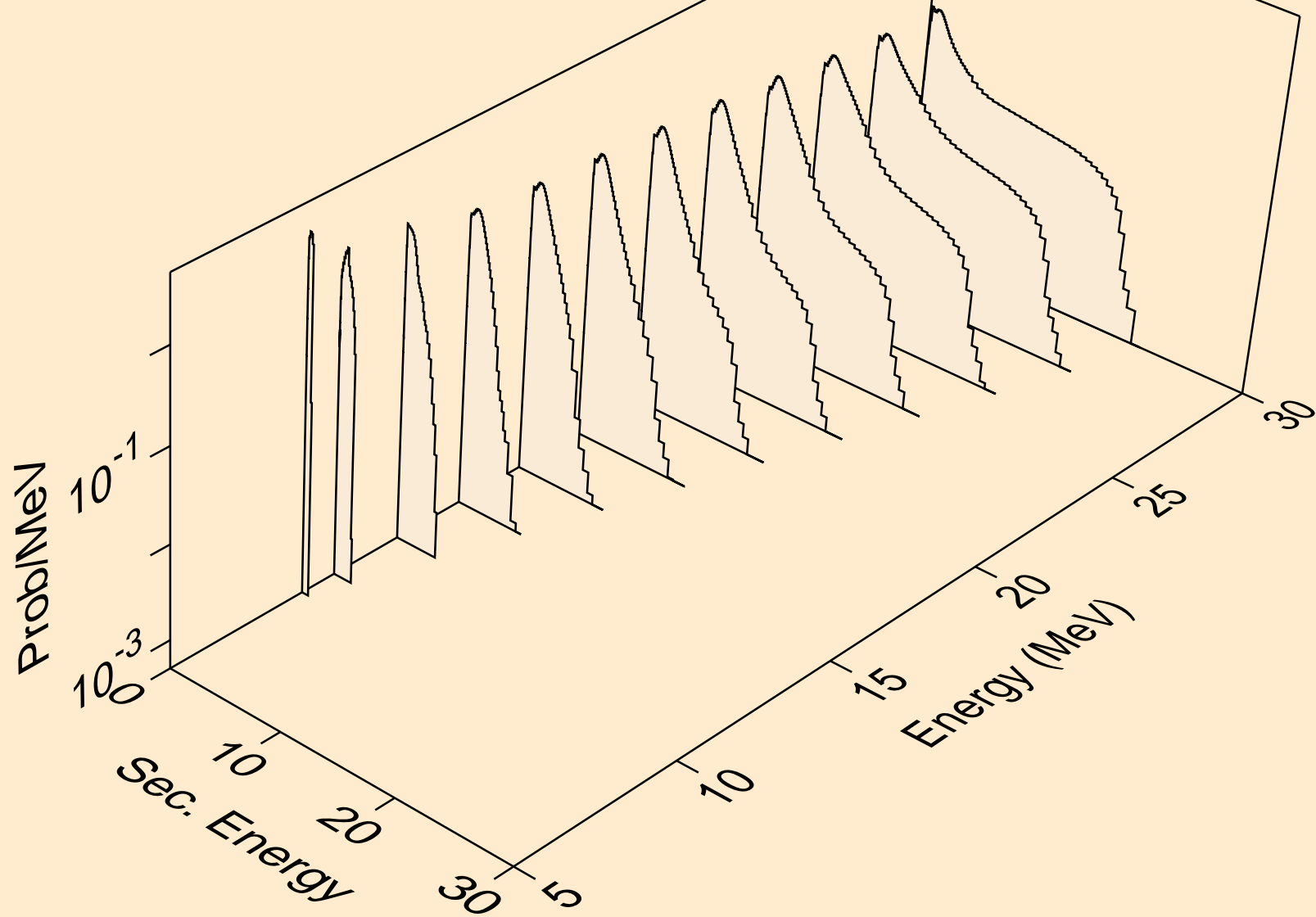
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Neutron emission for (n,x)



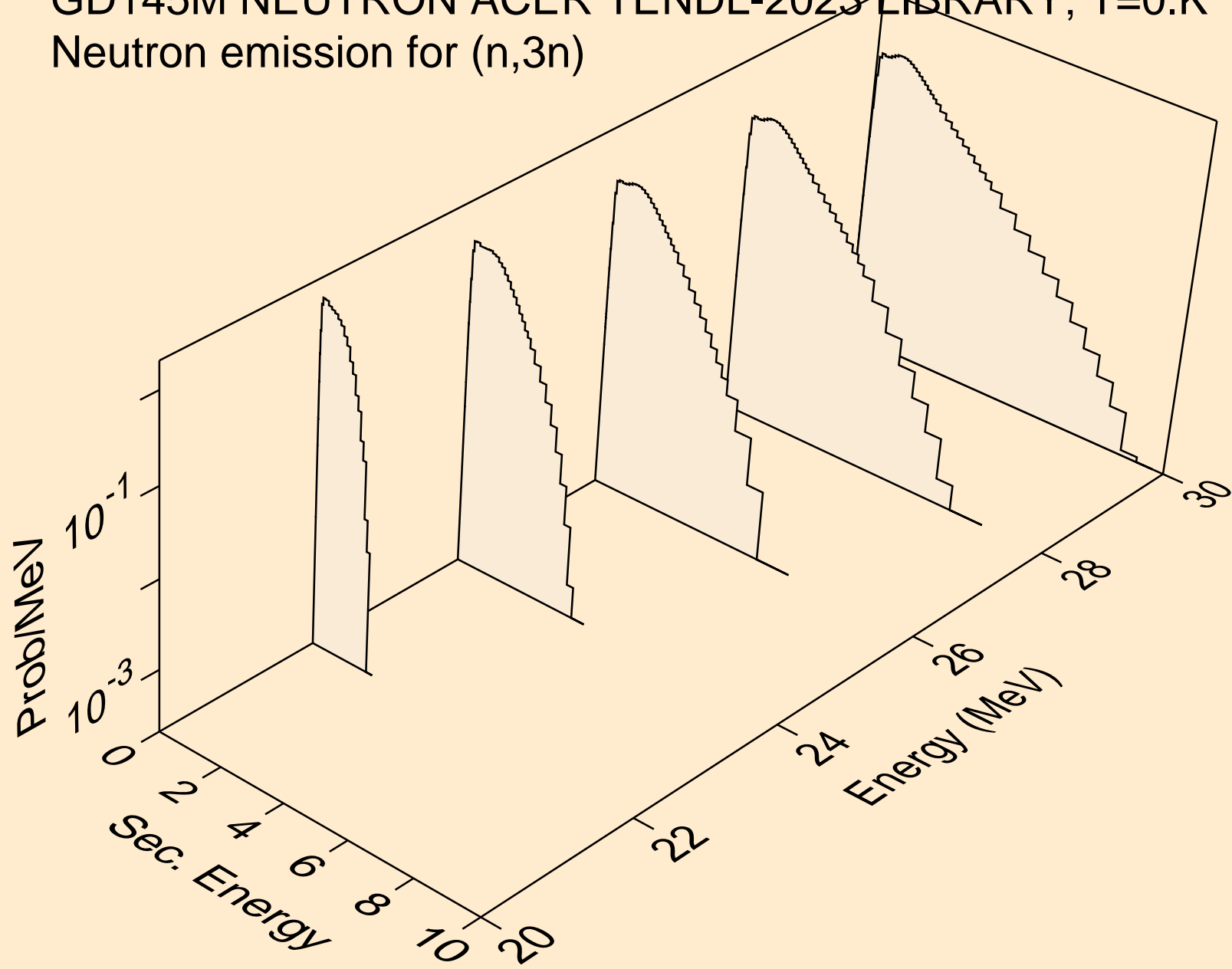
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Neutron emission for (n,2nd)



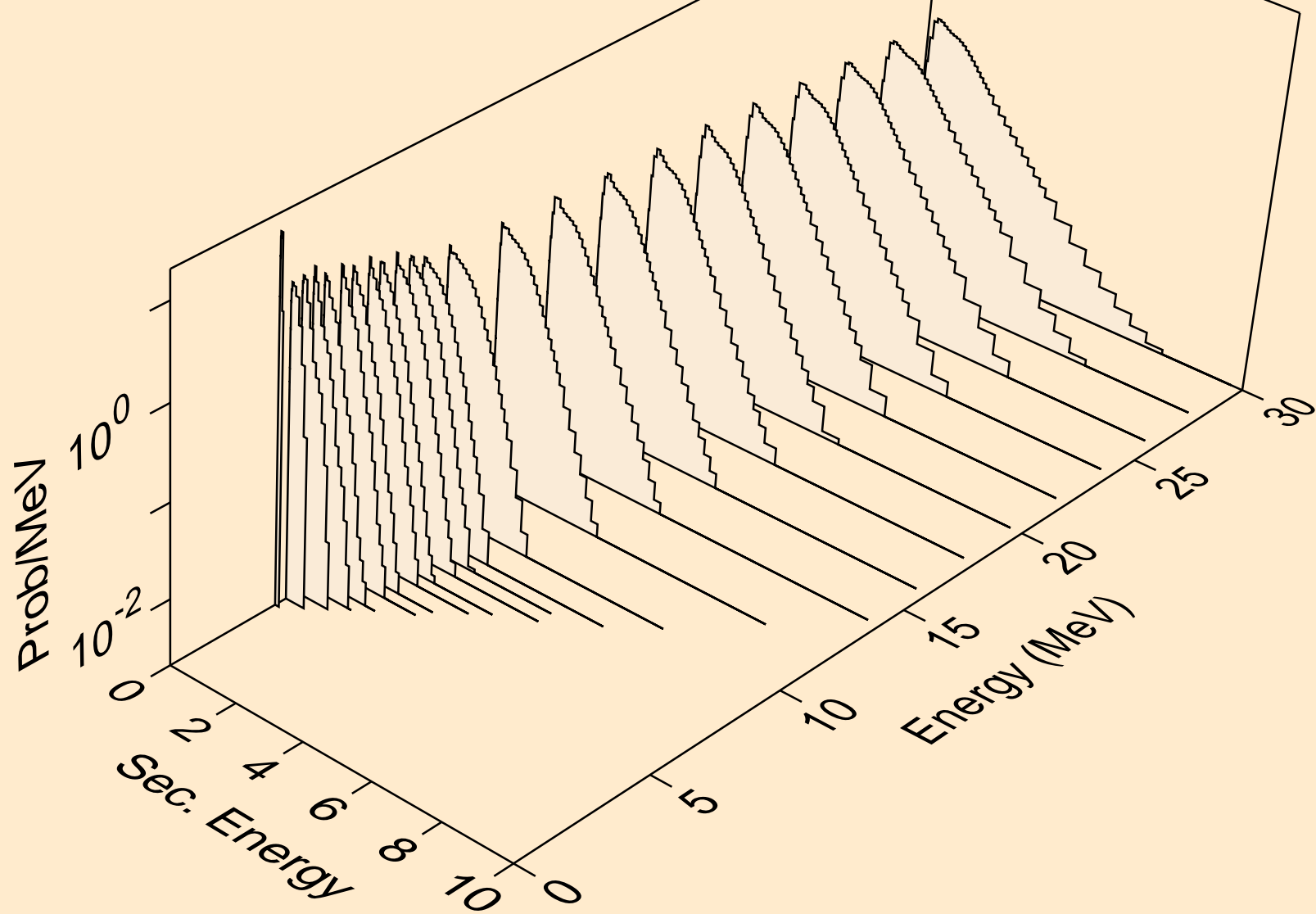
GD145M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)



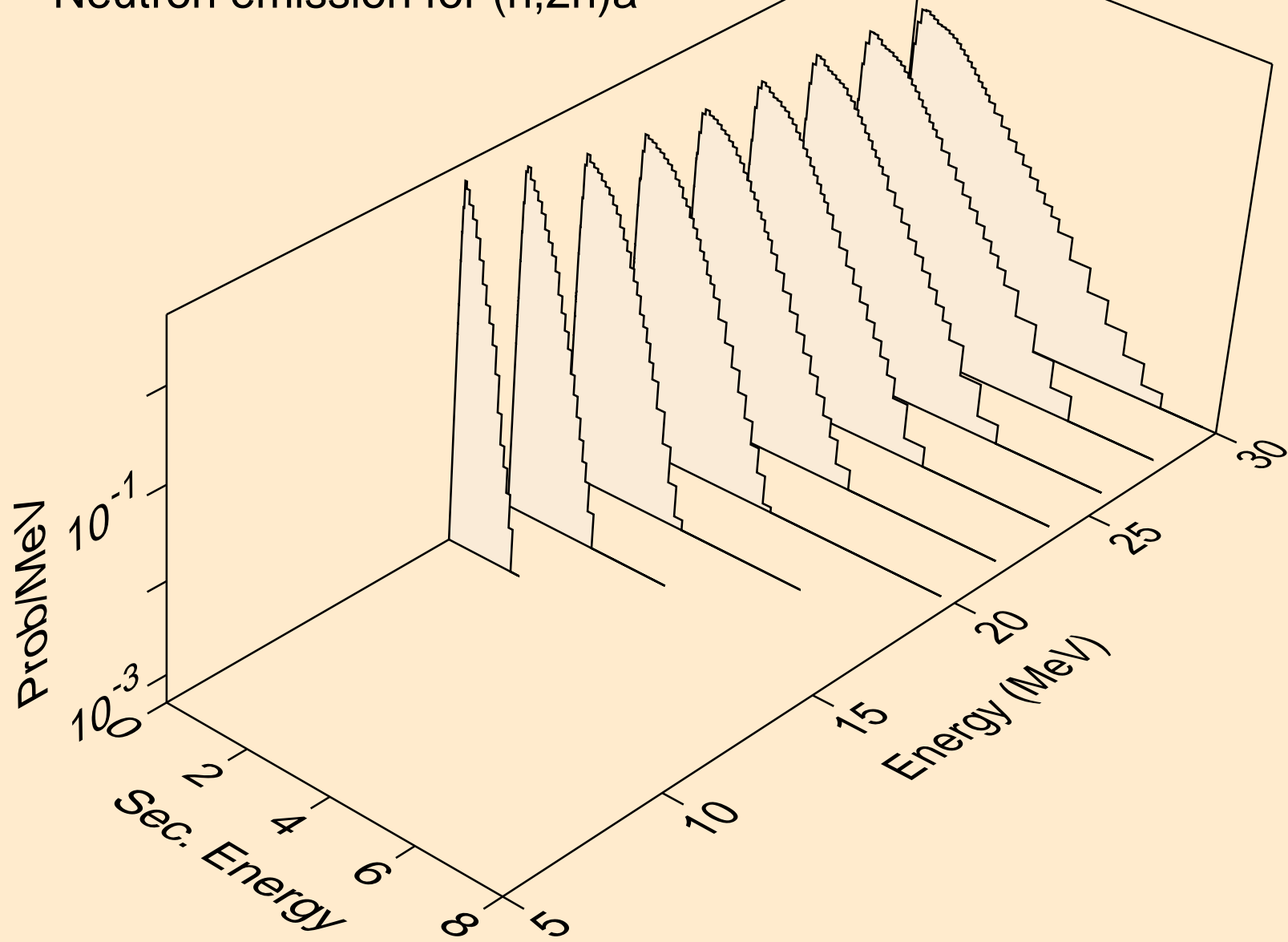
GD145M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)



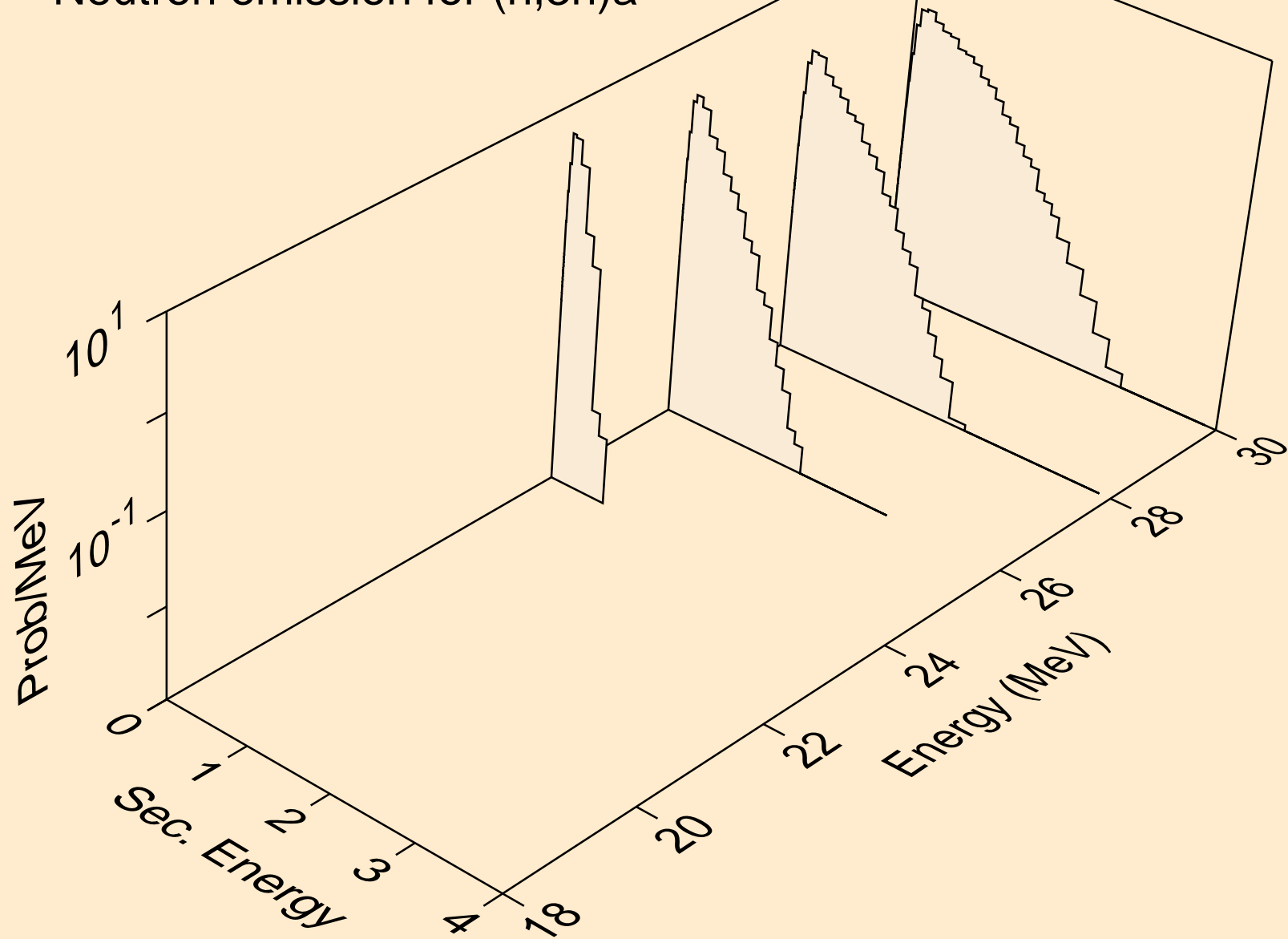
GD145M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



GD145M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)a

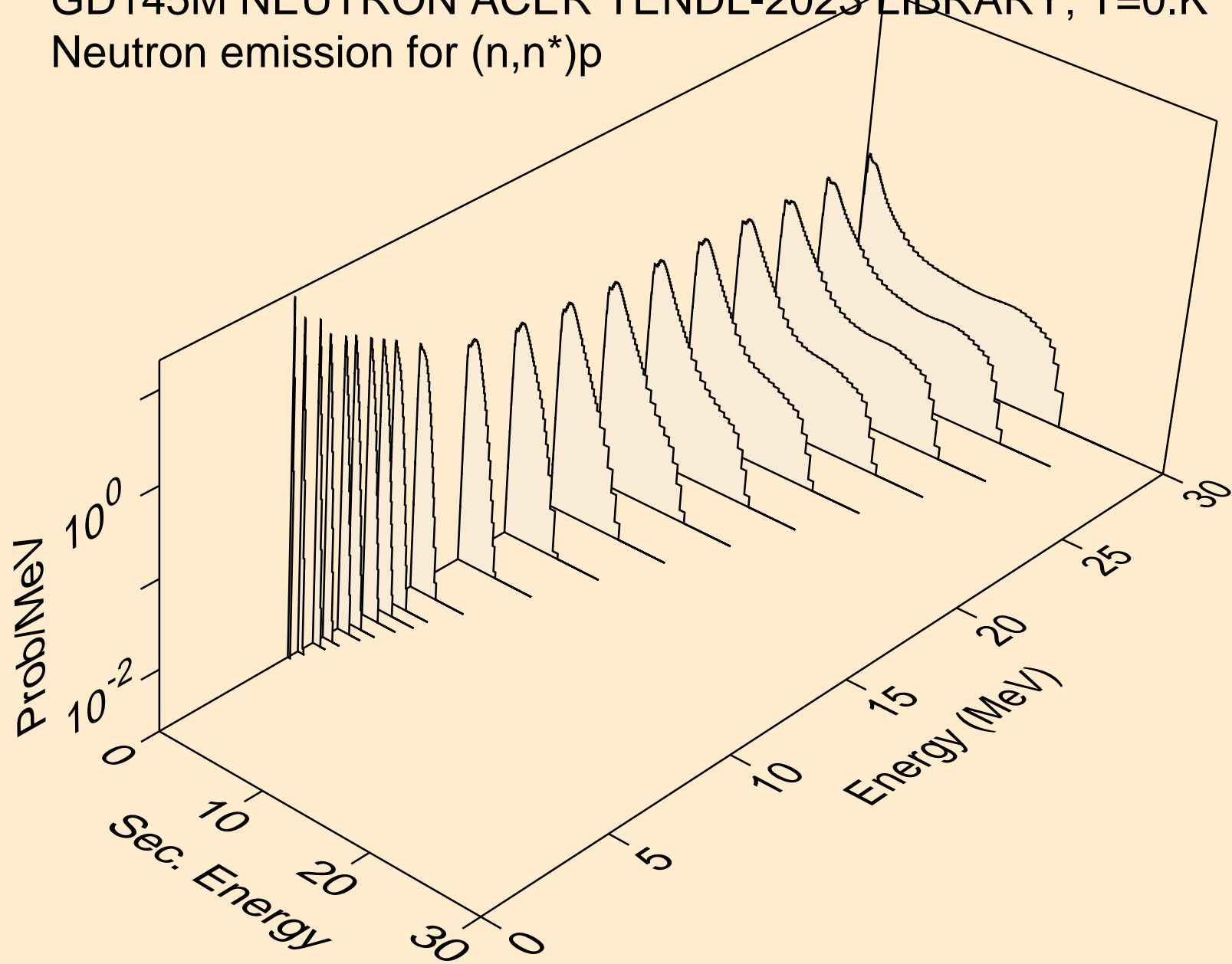


GD145M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)a

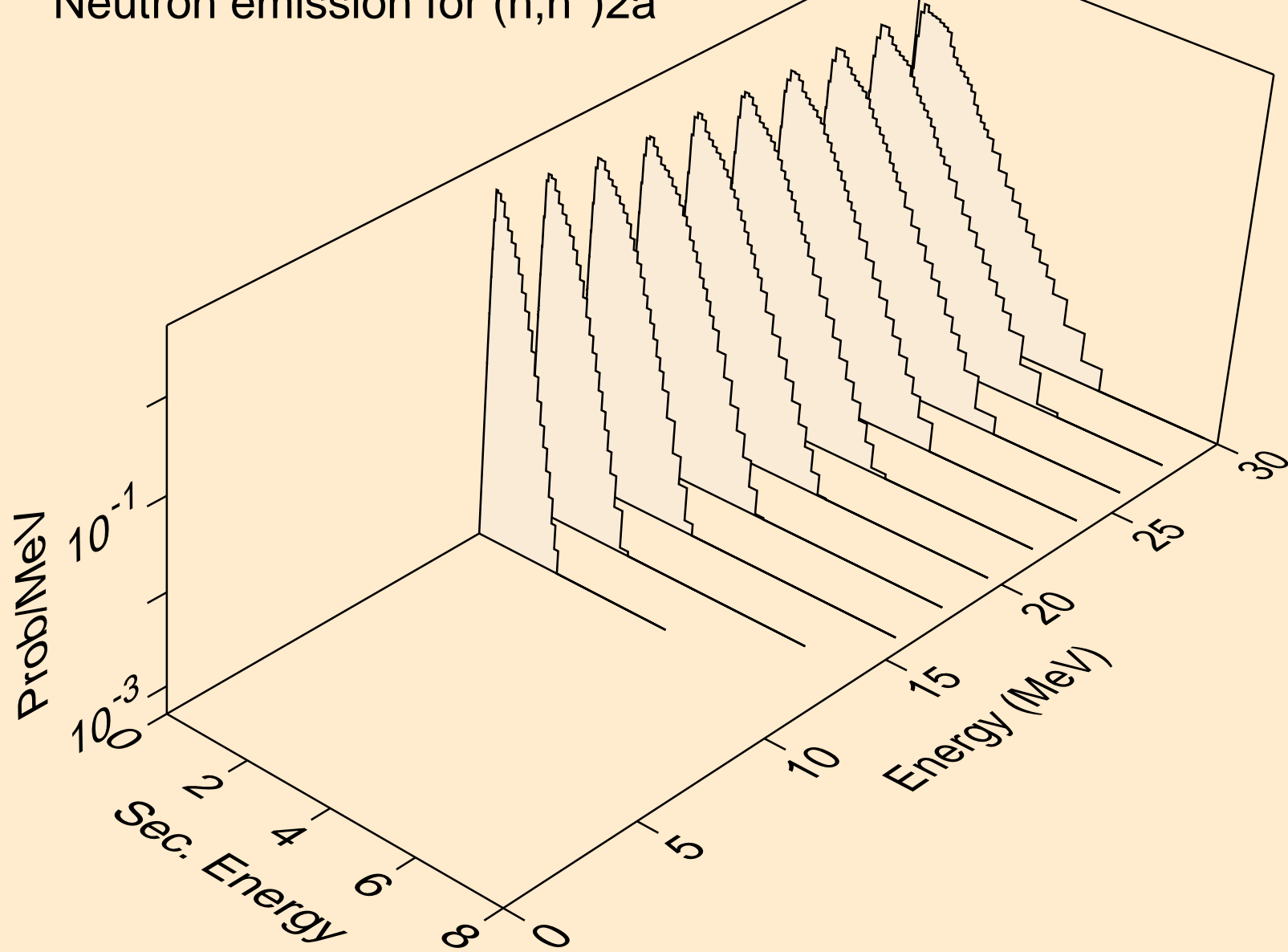




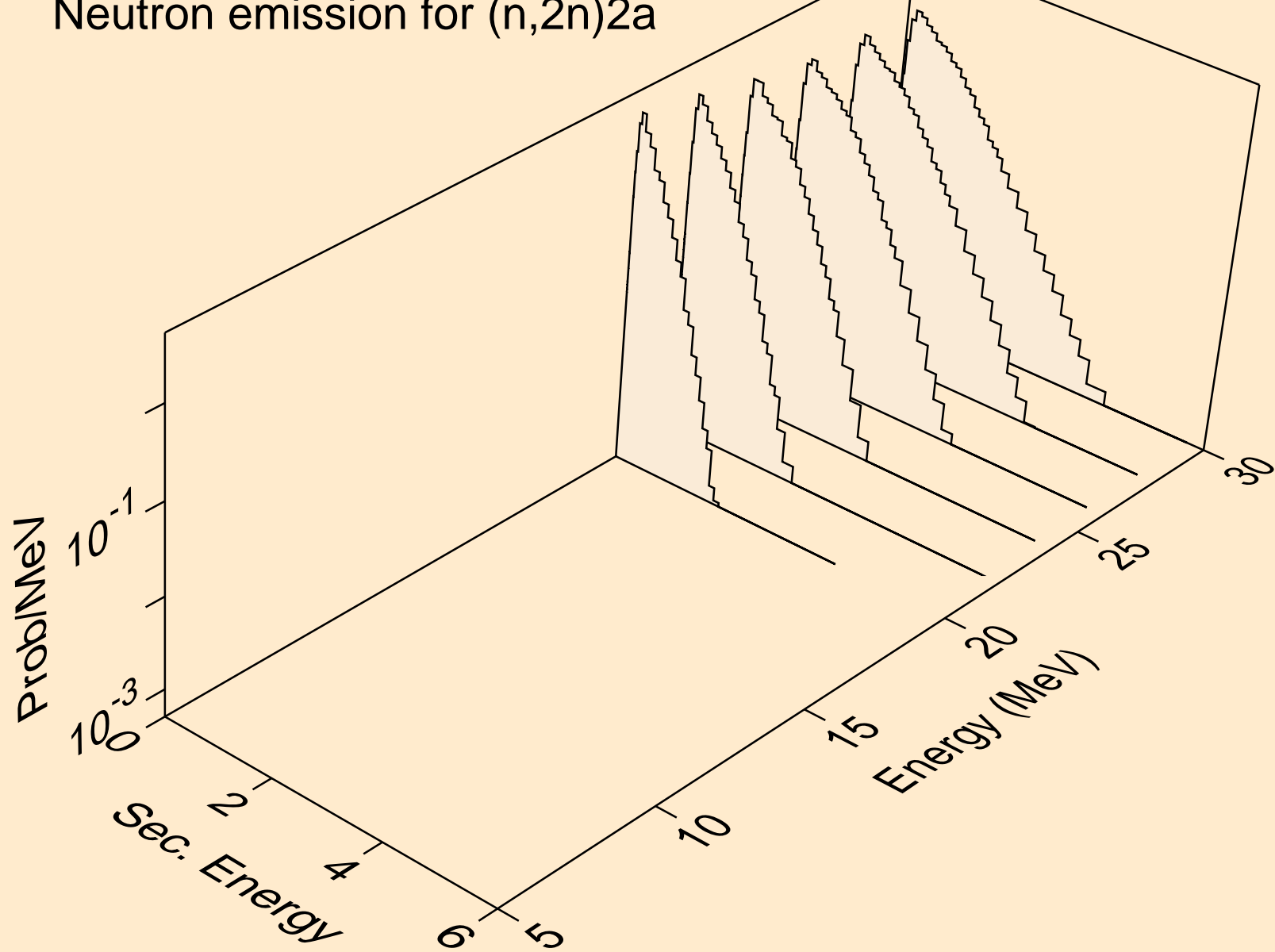
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Neutron emission for (n,n\*)p



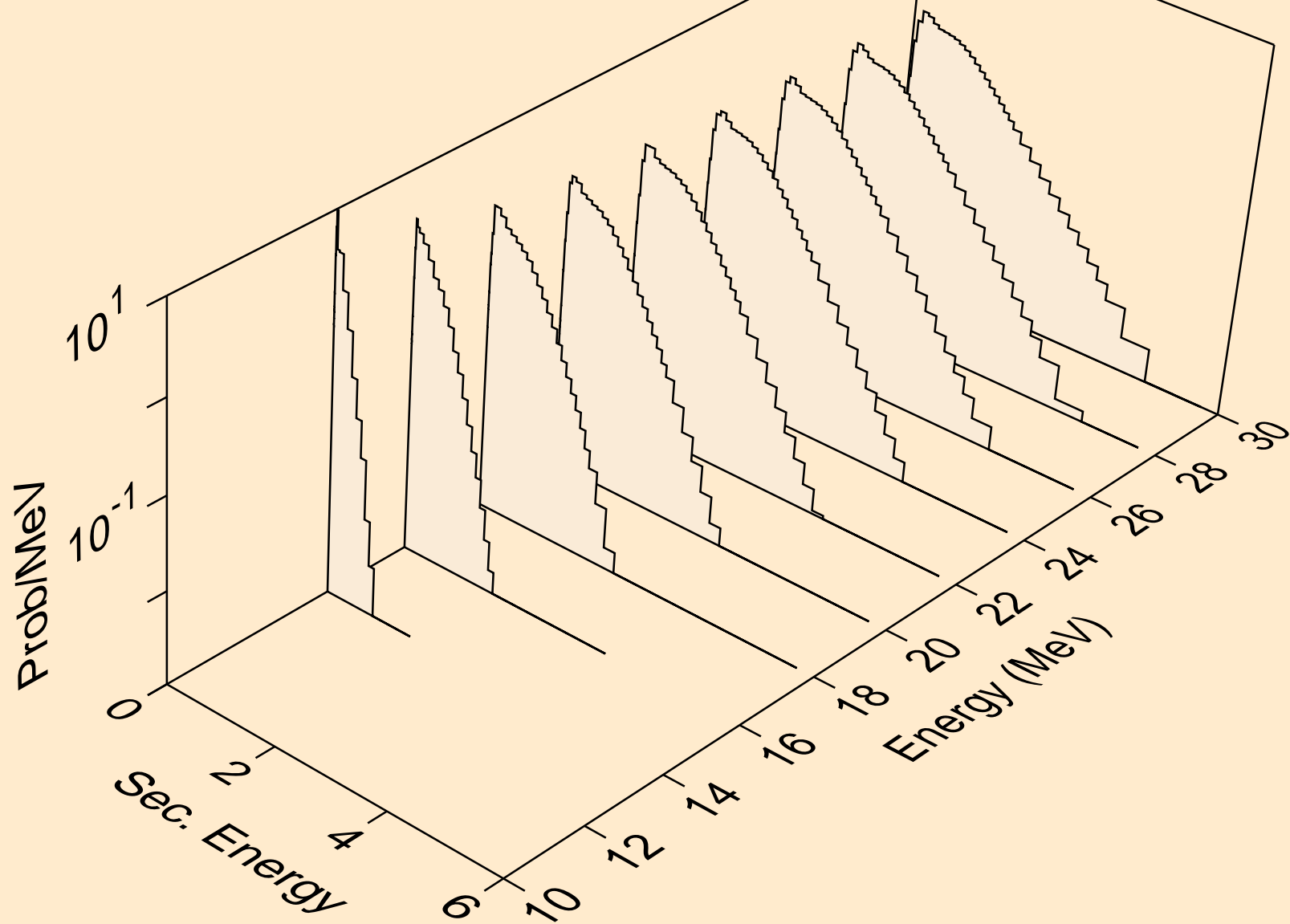
GD145M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)2a



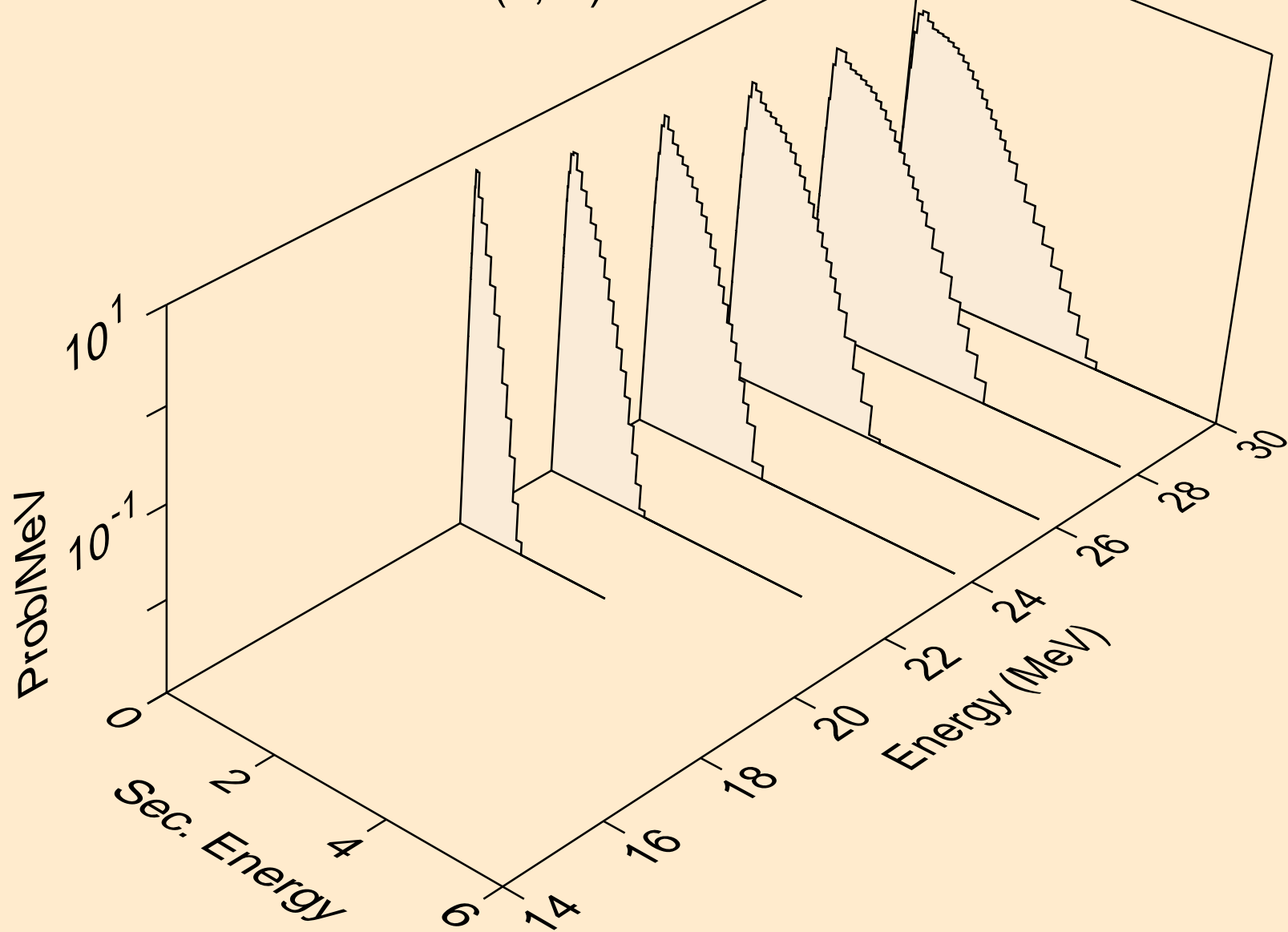
GD145M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)2a



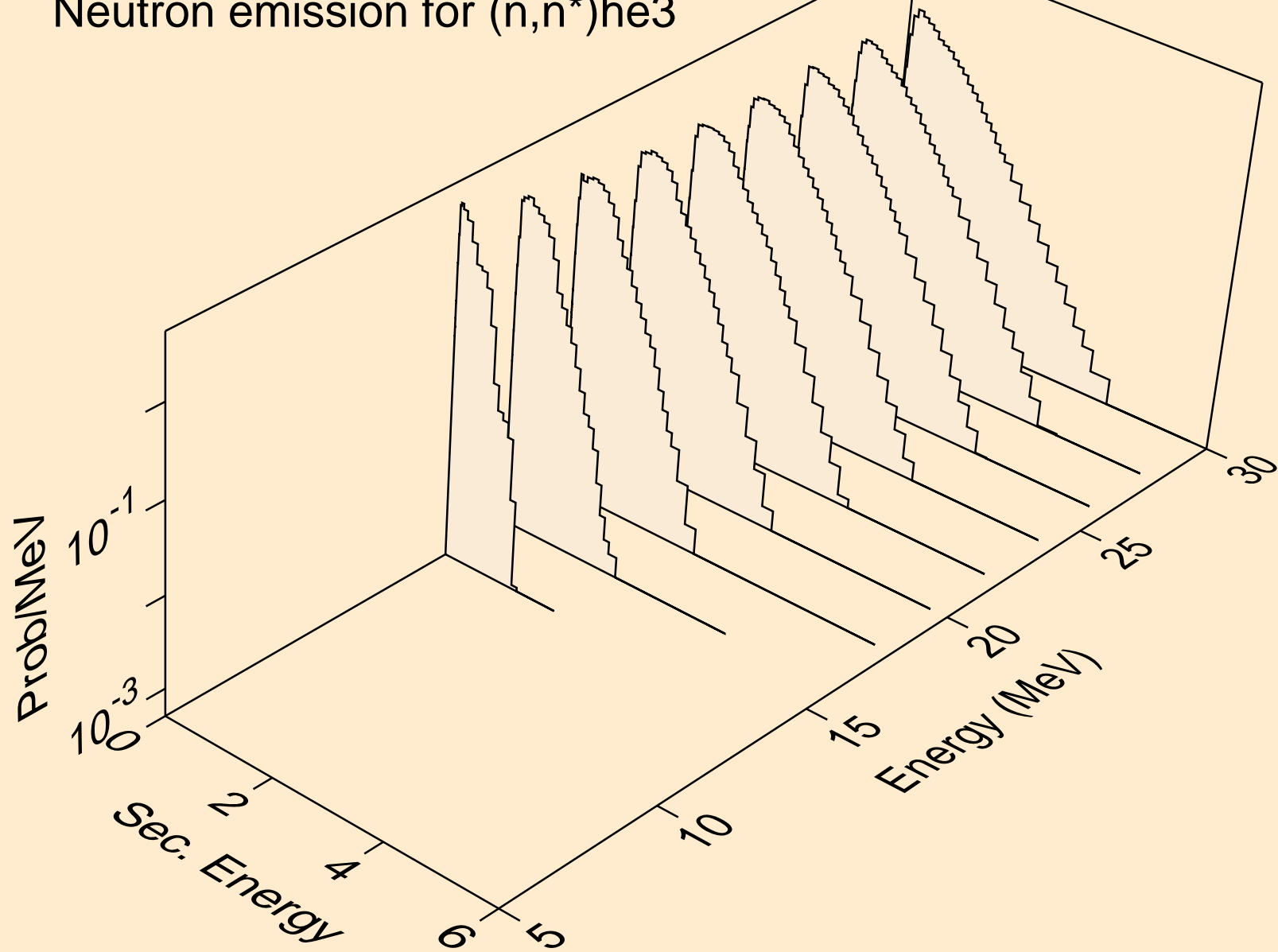
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Neutron emission for (n,n\*)d



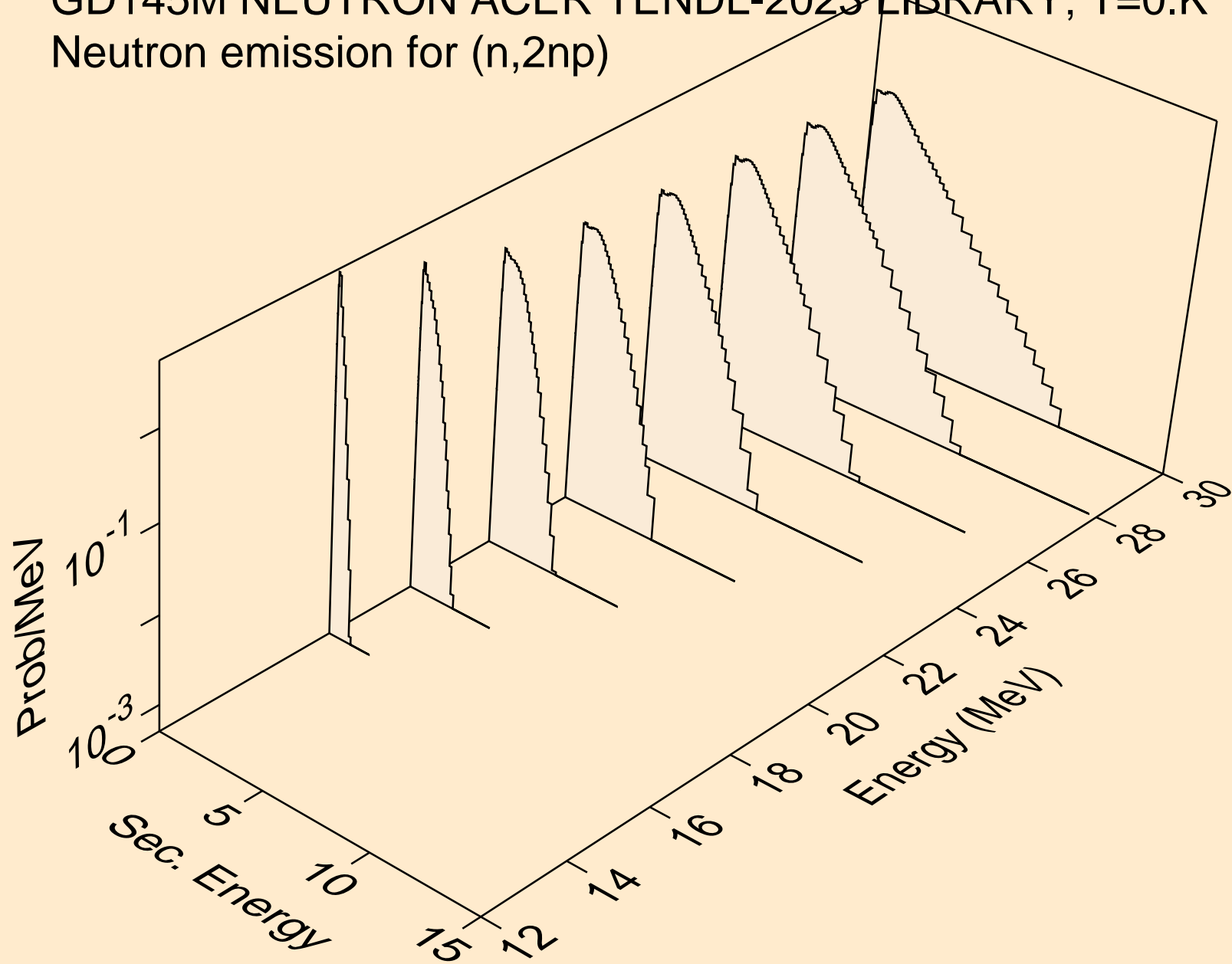
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Neutron emission for (n,n\*)t



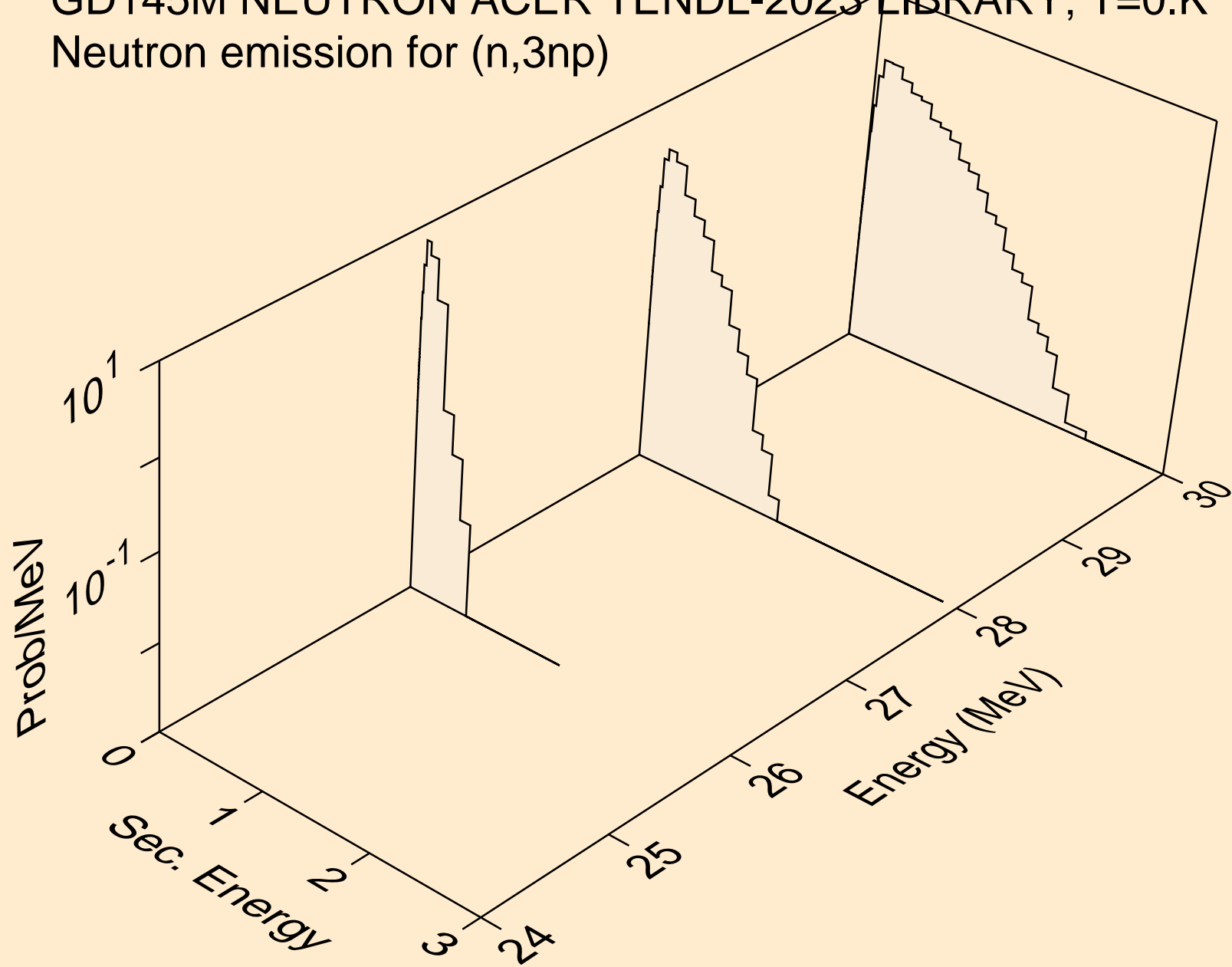
GD145M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



GD145M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2np)

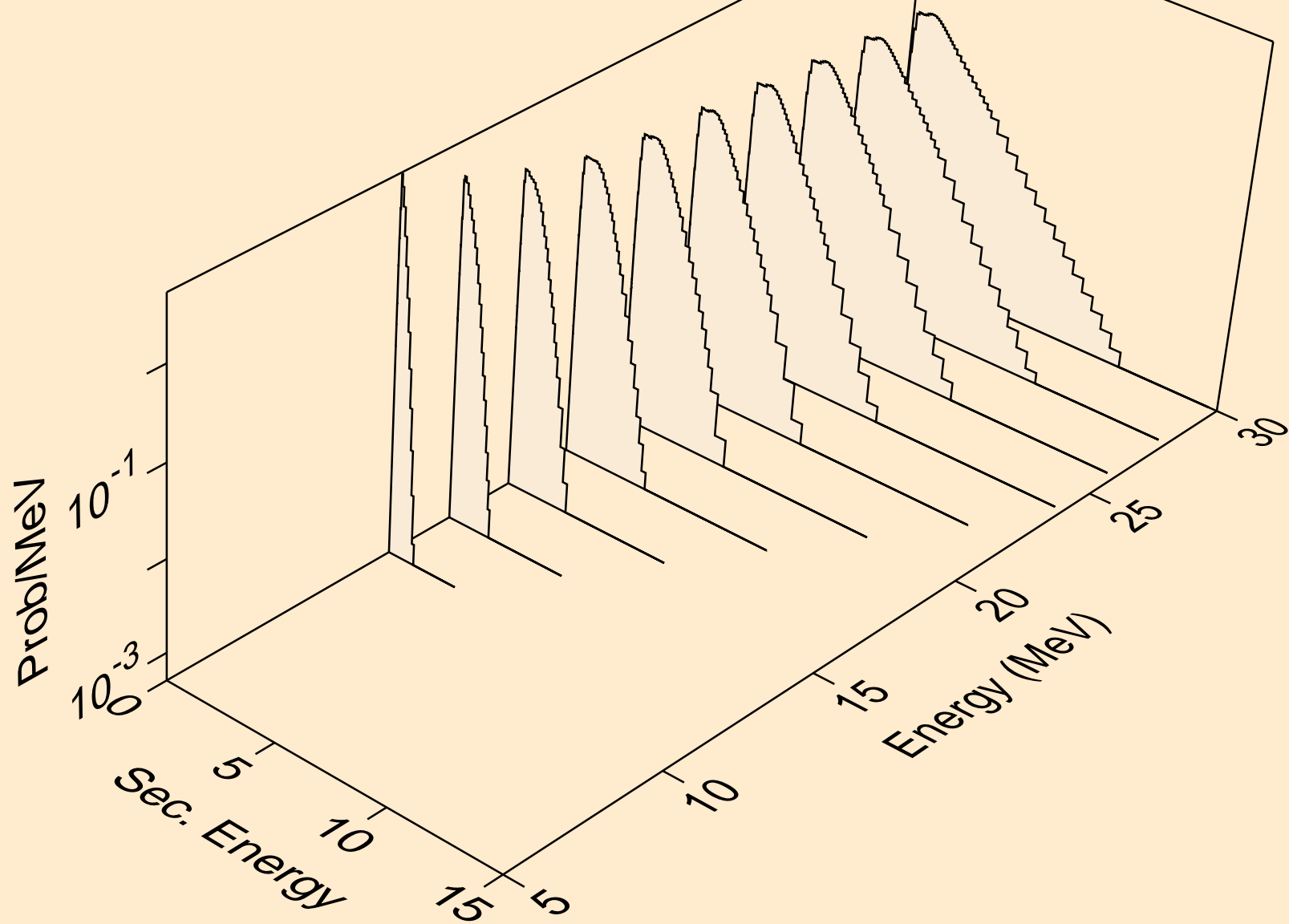


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Neutron emission for (n,3np)

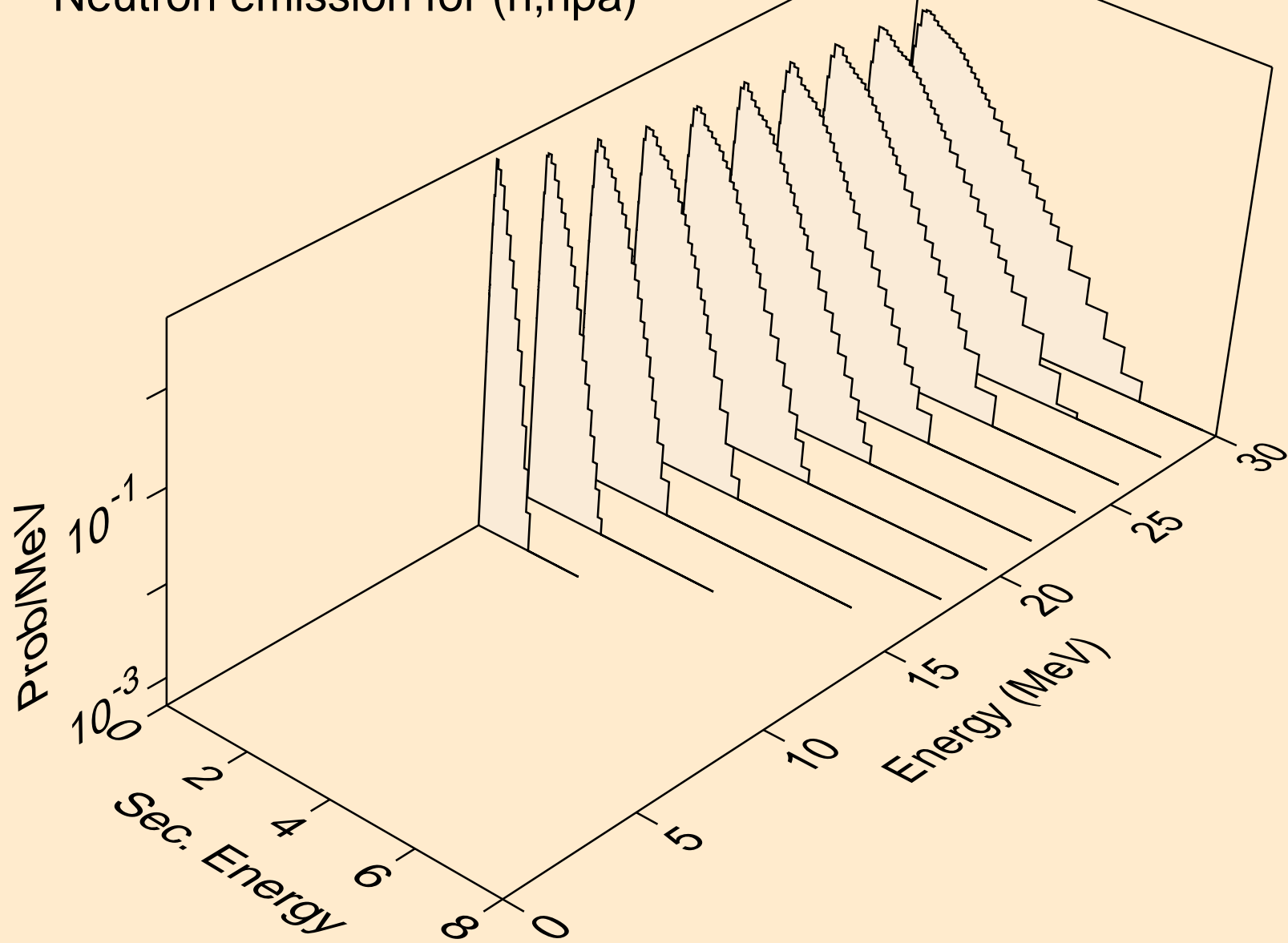




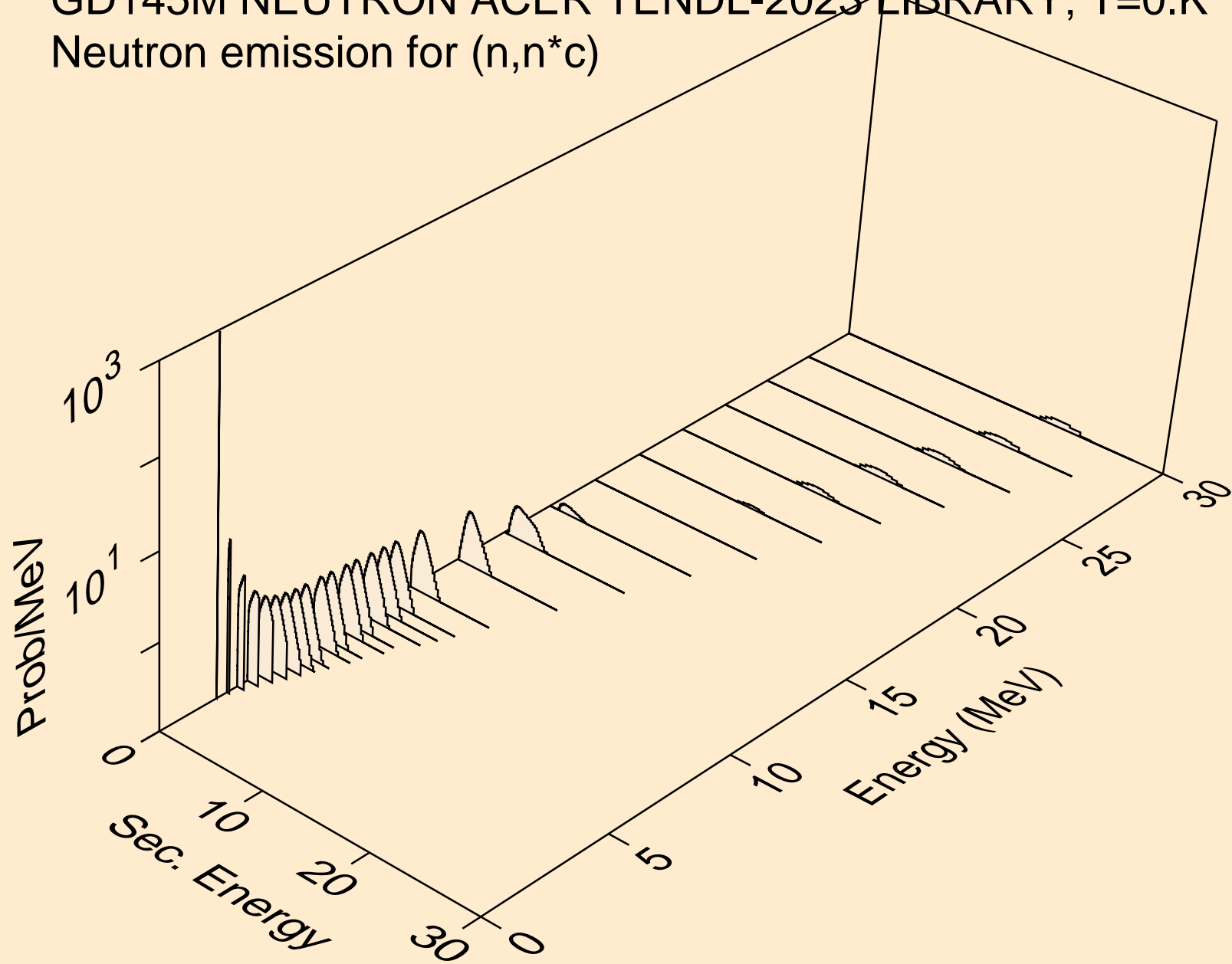
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Neutron emission for (n,n2p)



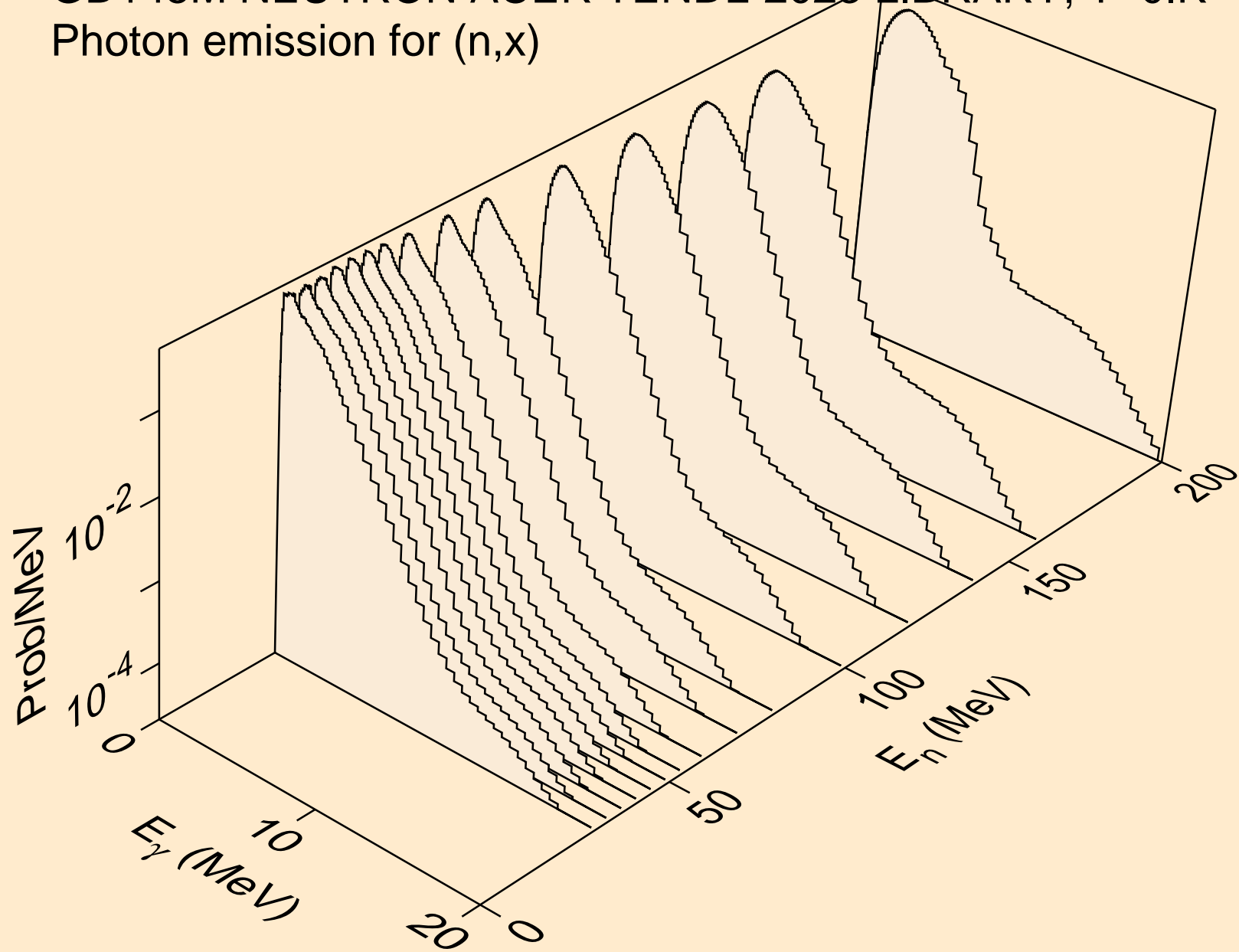
GD145M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,npa)



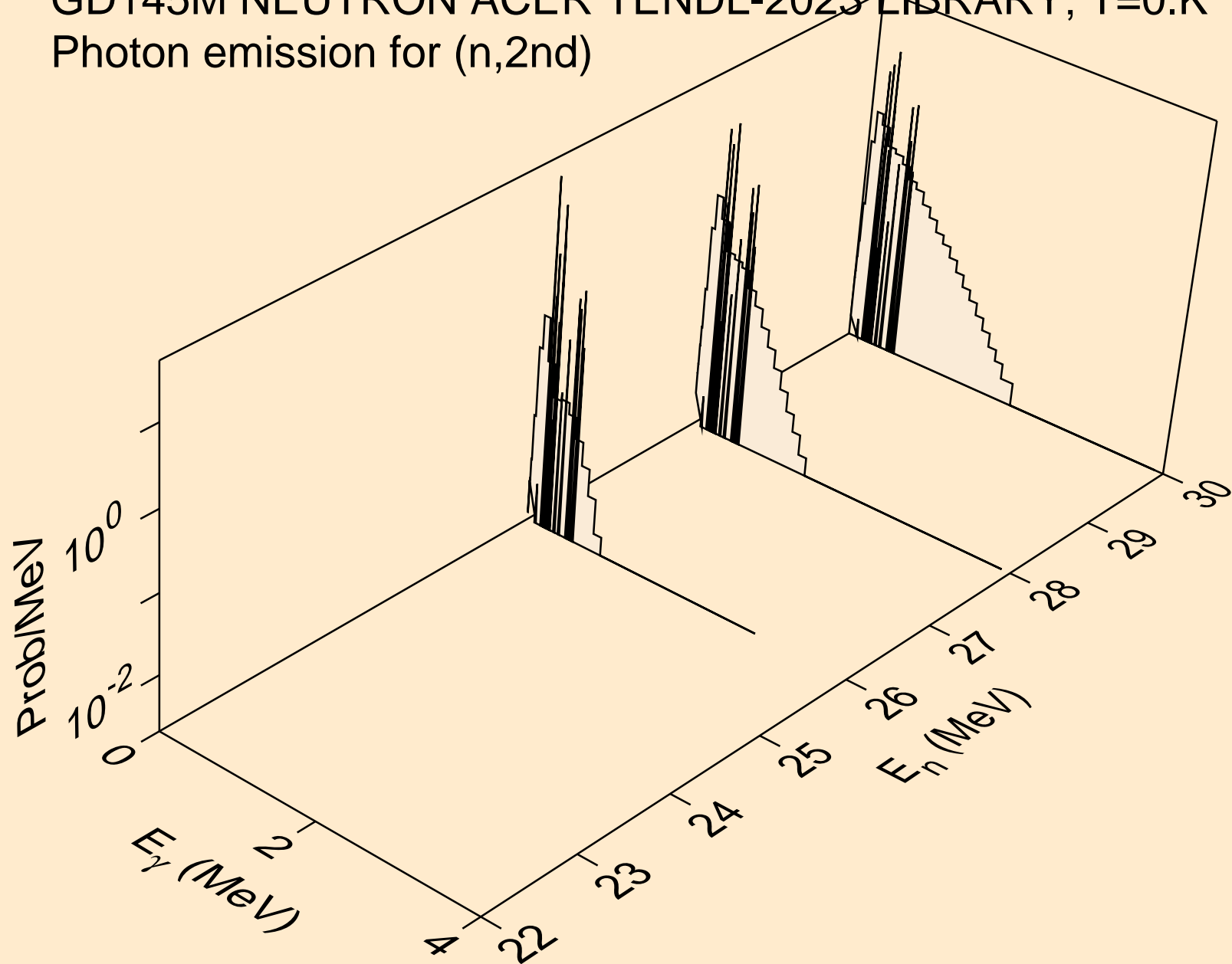
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Neutron emission for (n,n\*c)



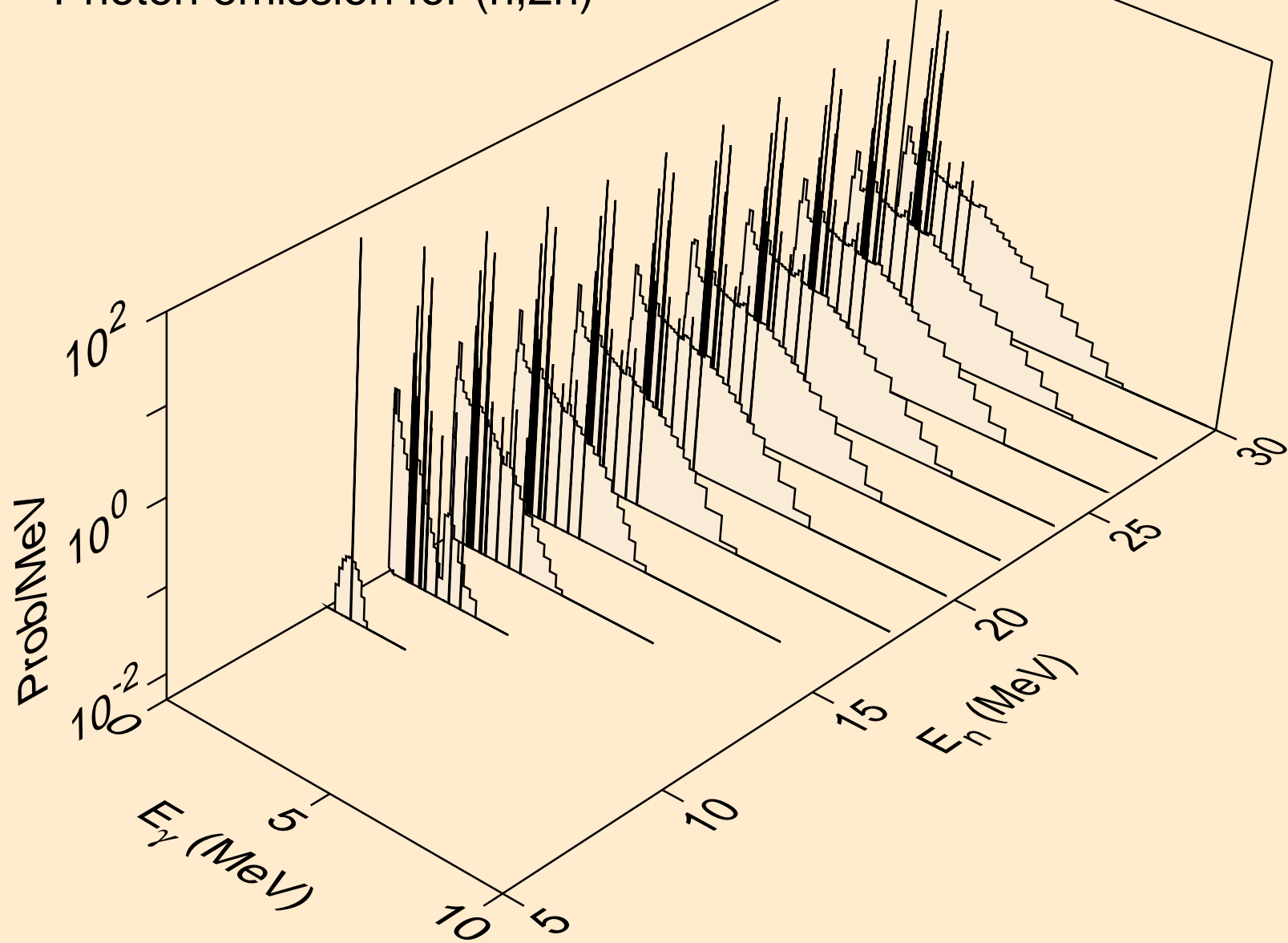
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Photon emission for (n,x)



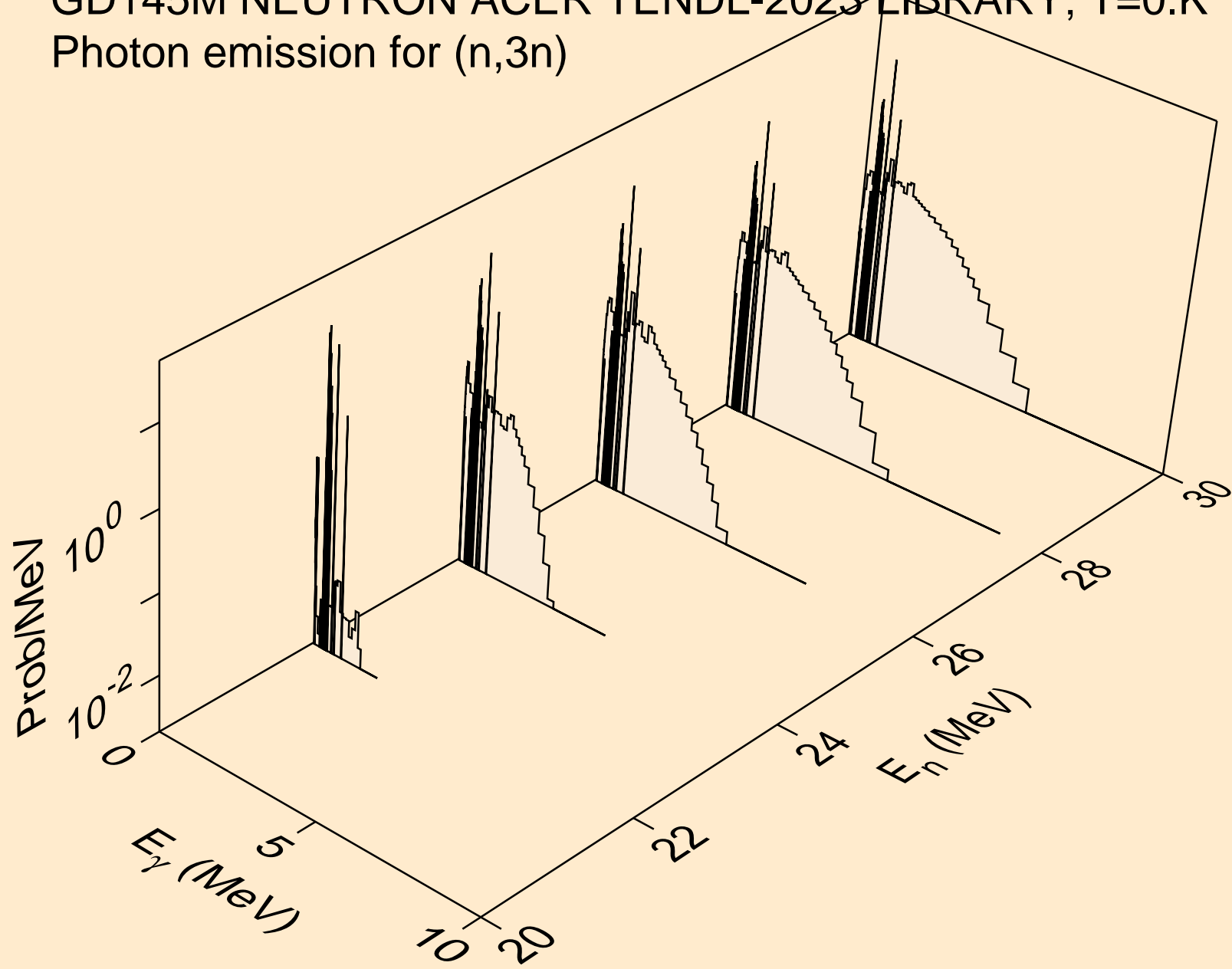
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Photon emission for (n,2nd)



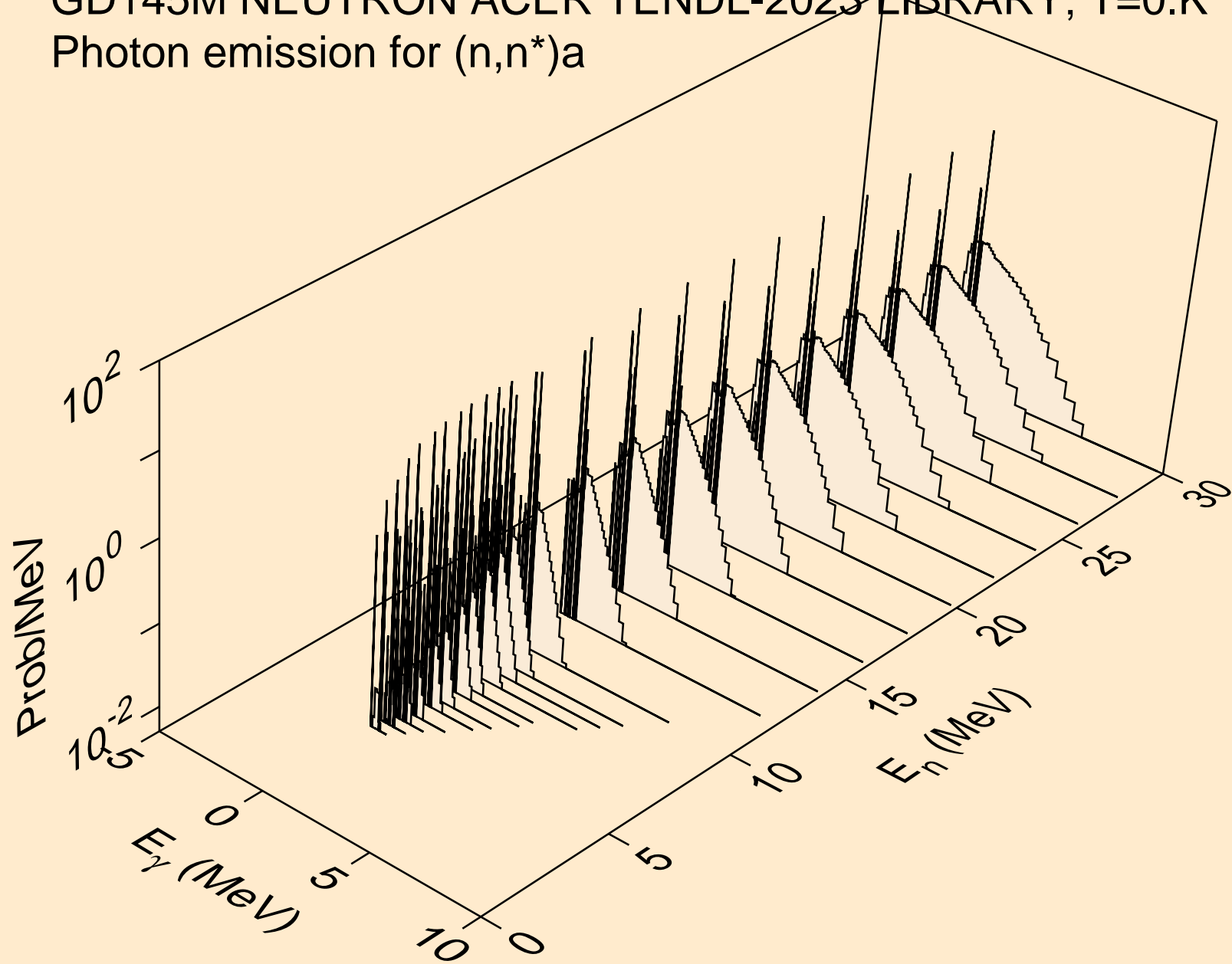
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Photon emission for (n,2n)



GD145M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)

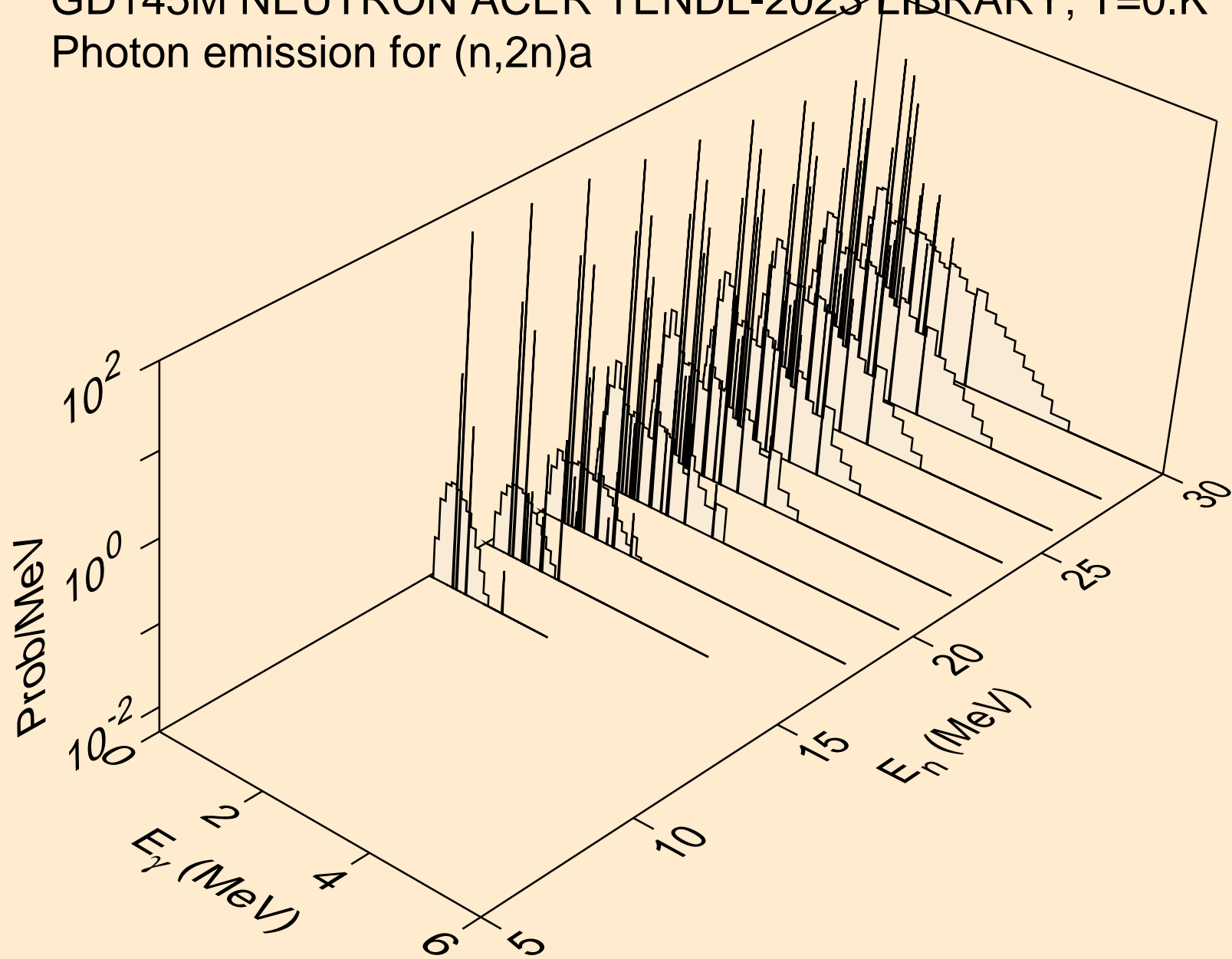


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Photon emission for (n,n\*)a

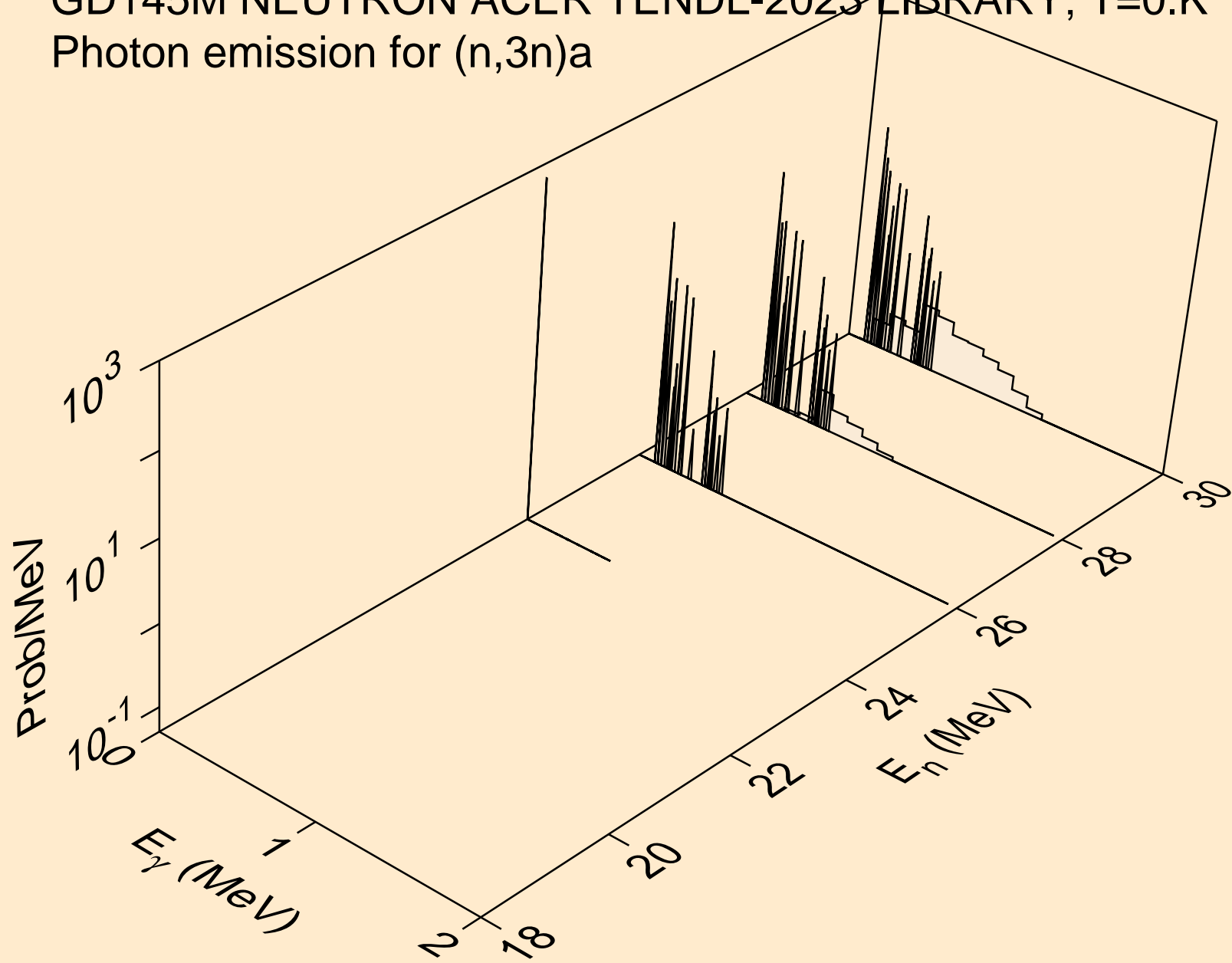




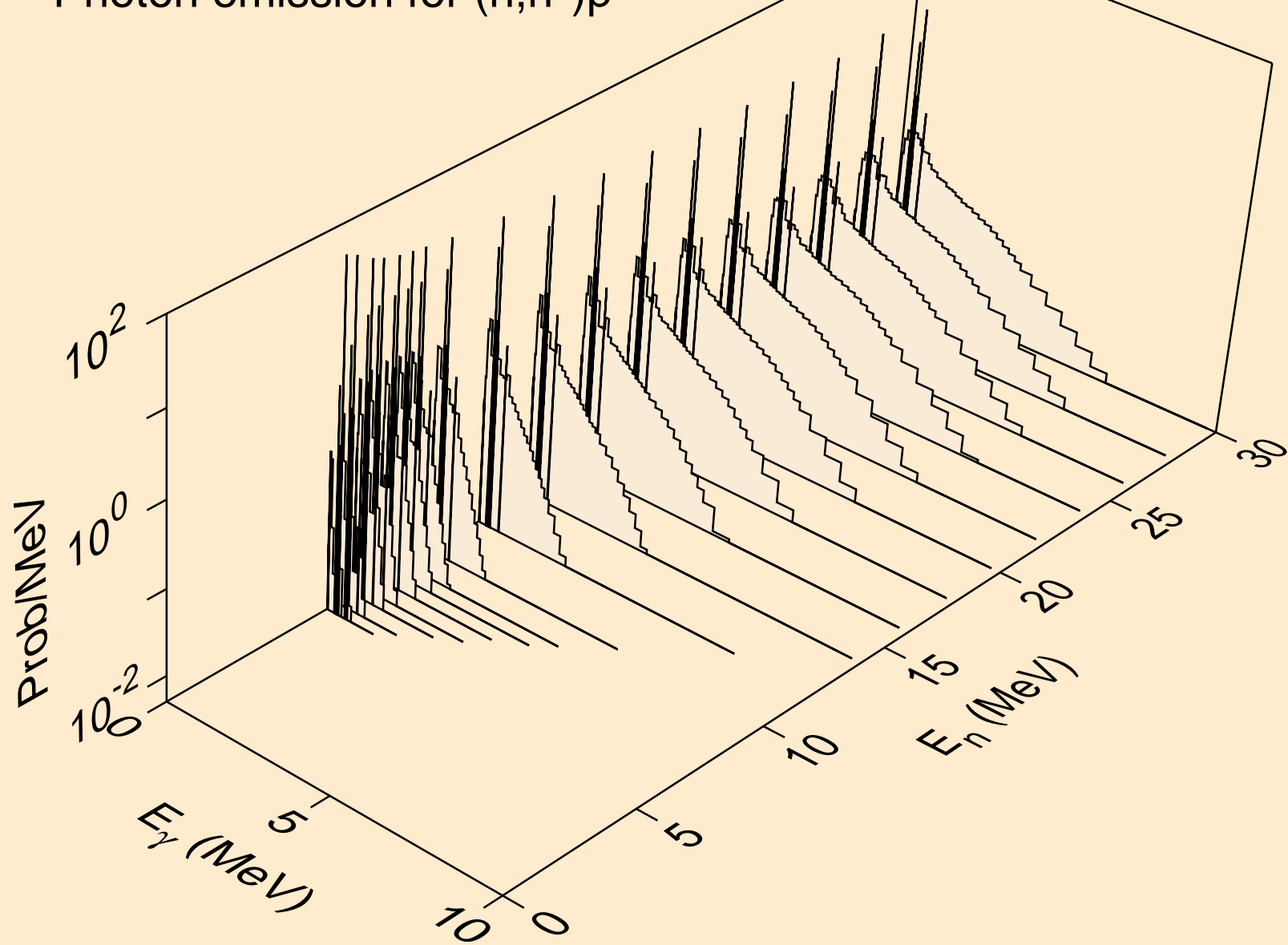
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Photon emission for (n,2n)a



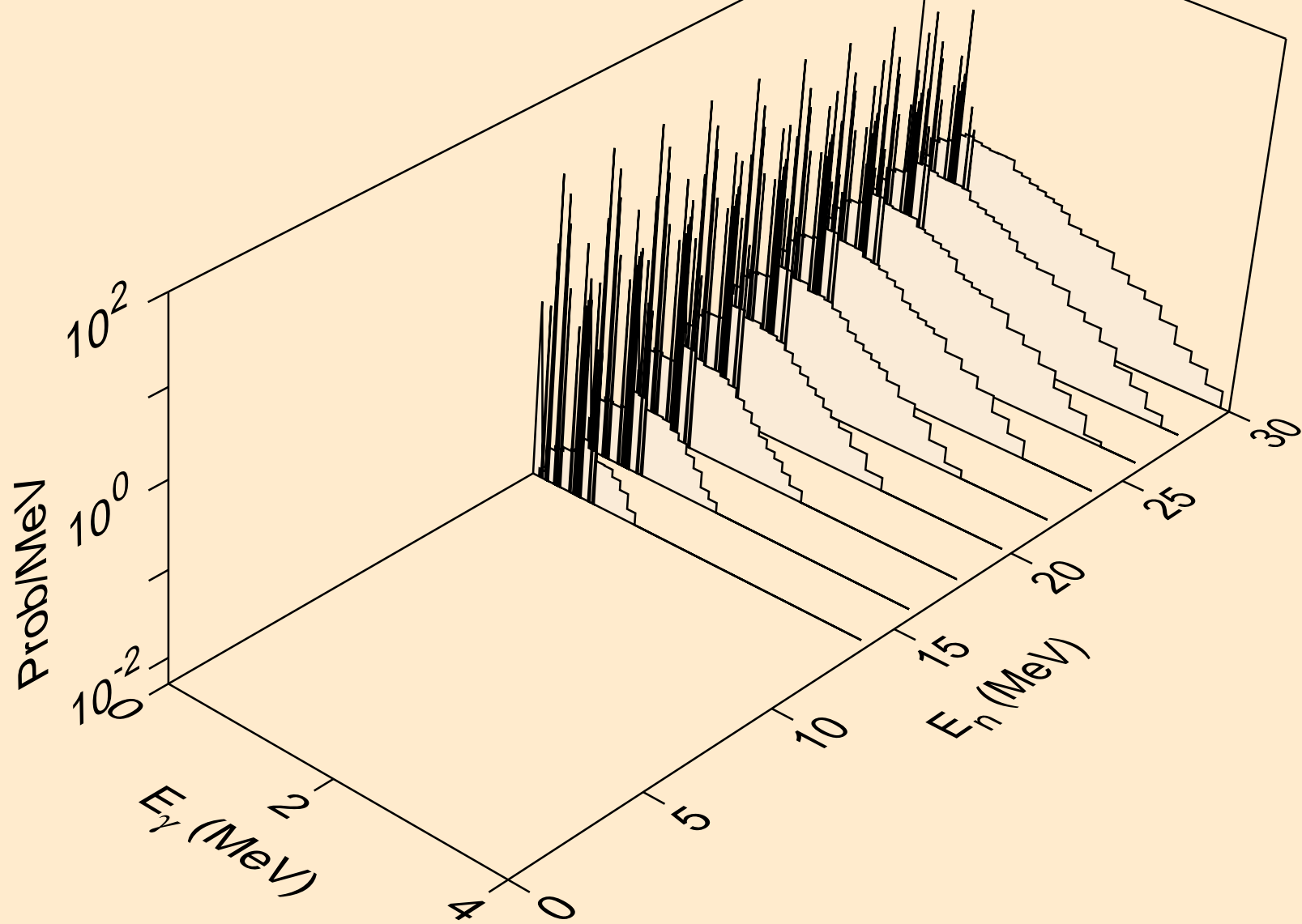
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Photon emission for (n,3n)a



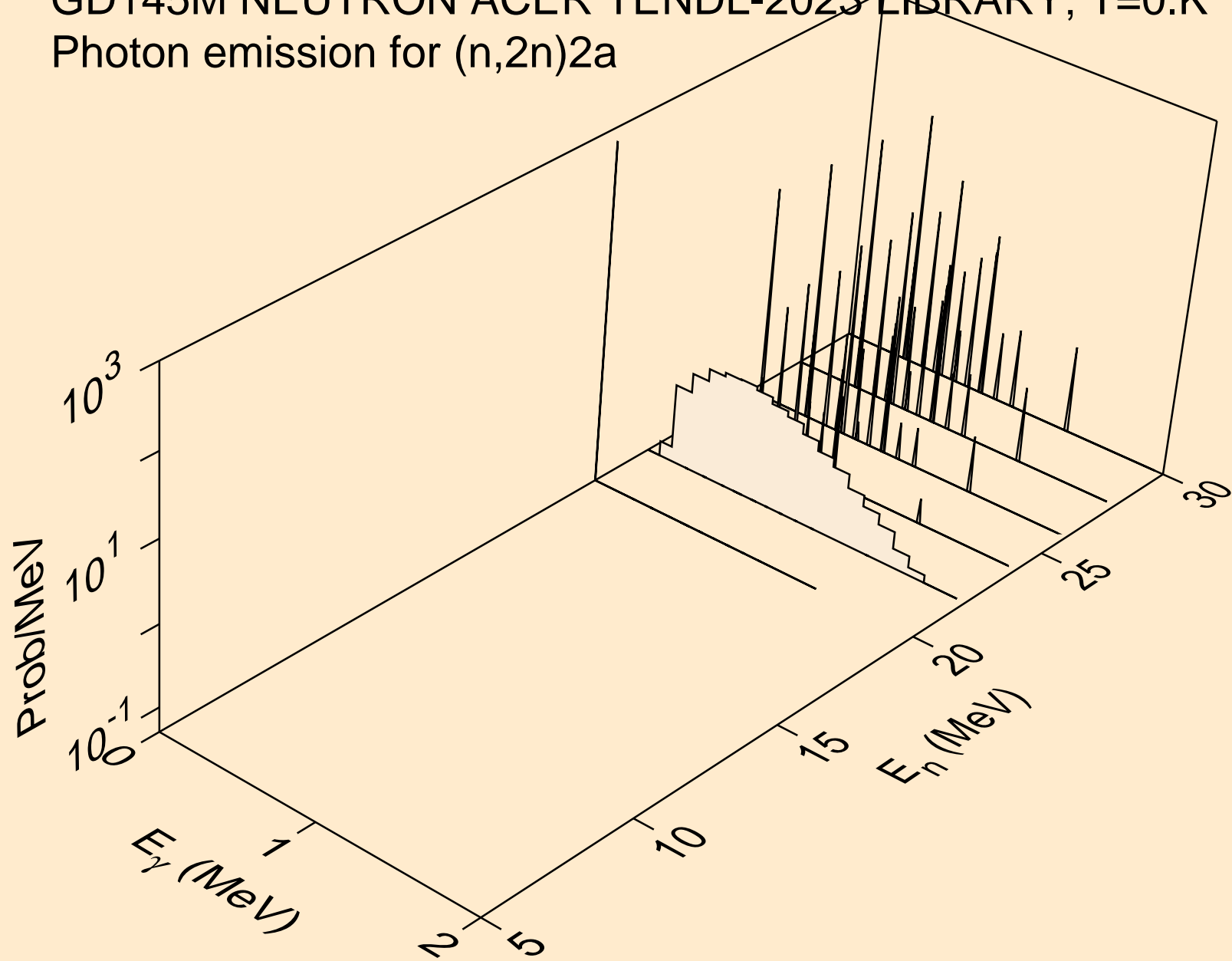
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Photon emission for (n,n\*)p



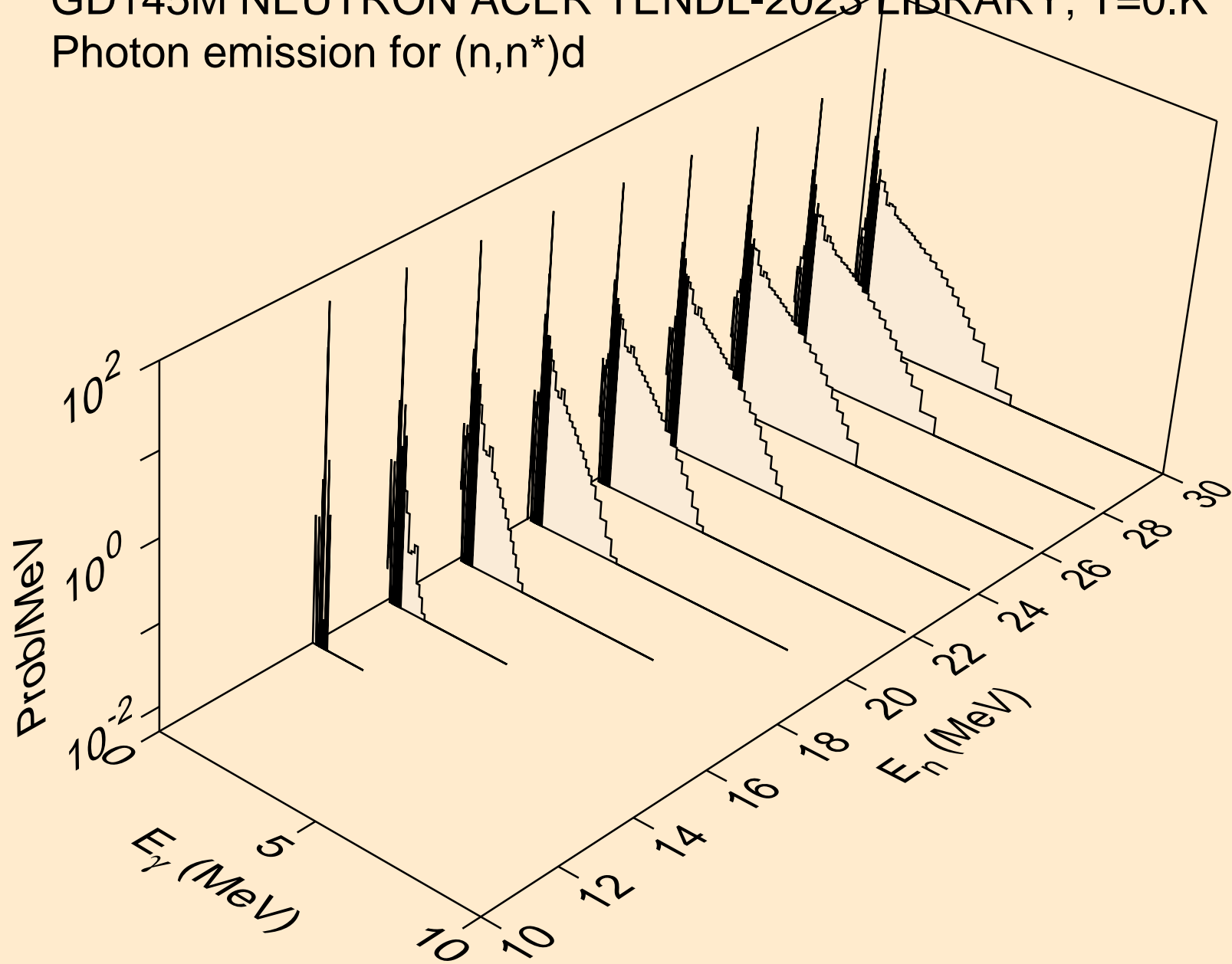
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Photon emission for (n,n\*)2a



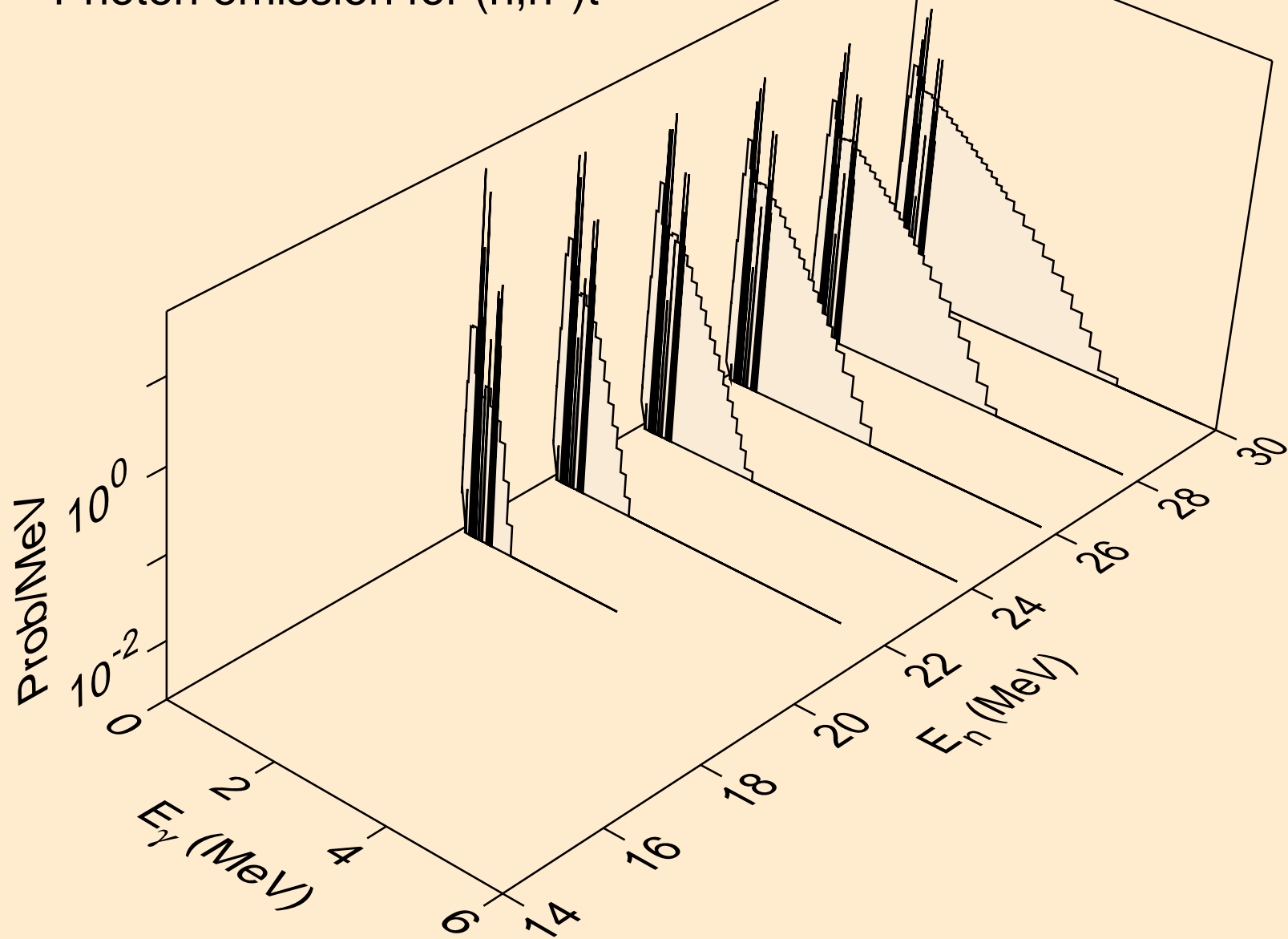
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Photon emission for (n,2n)2a



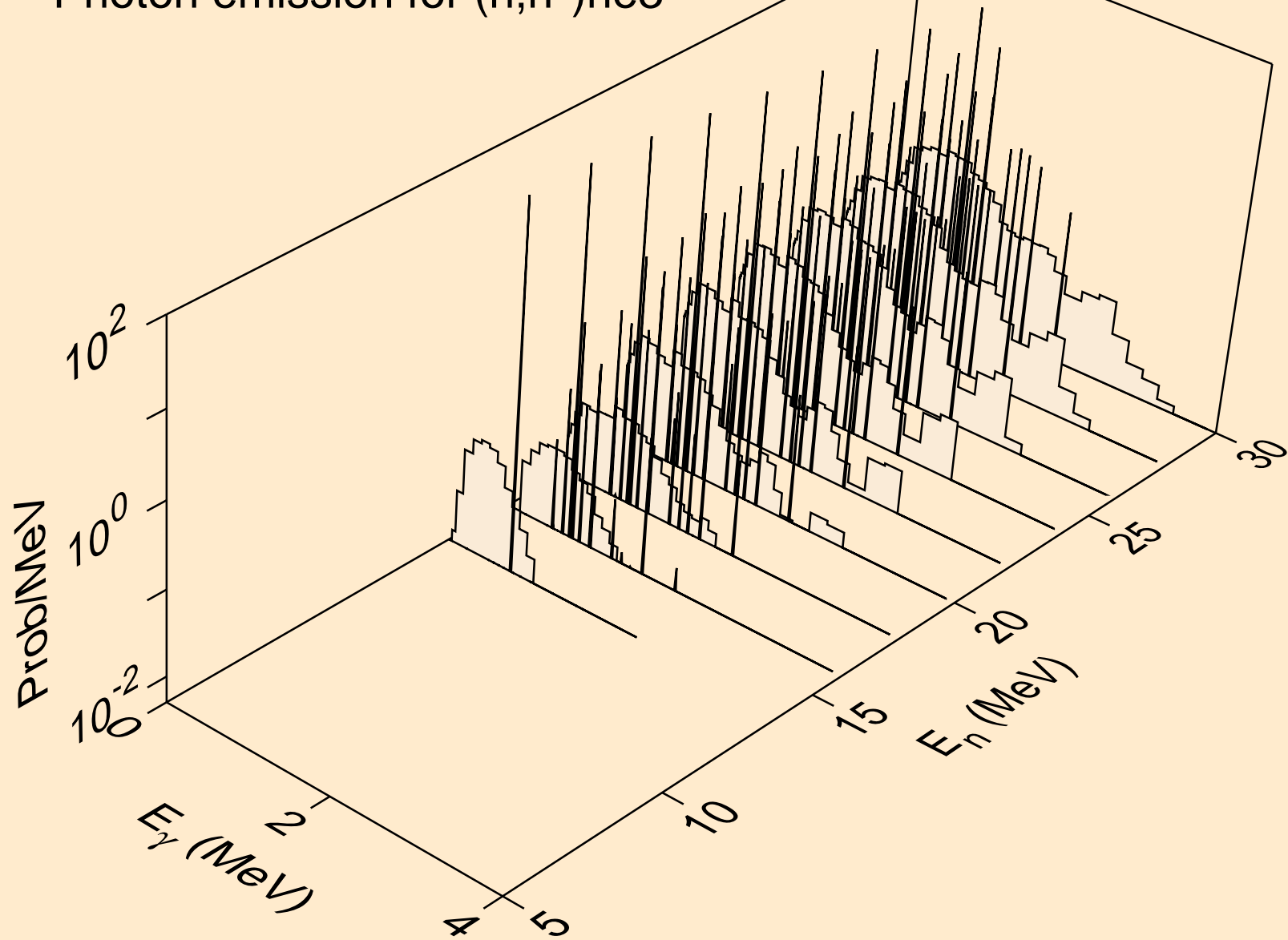
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Photon emission for (n,n\*)d



GD145M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t

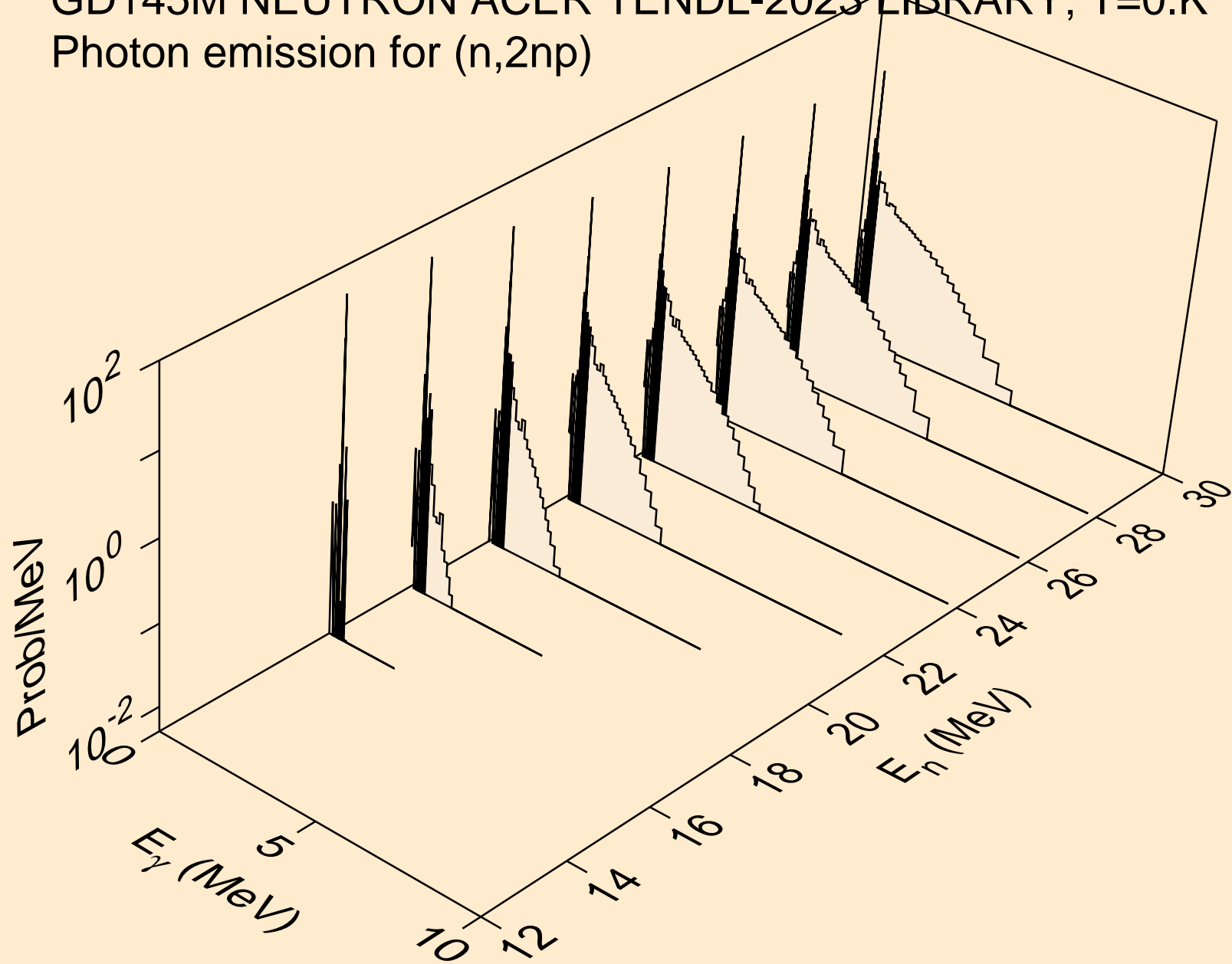


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Photon emission for (n,n\*)he3

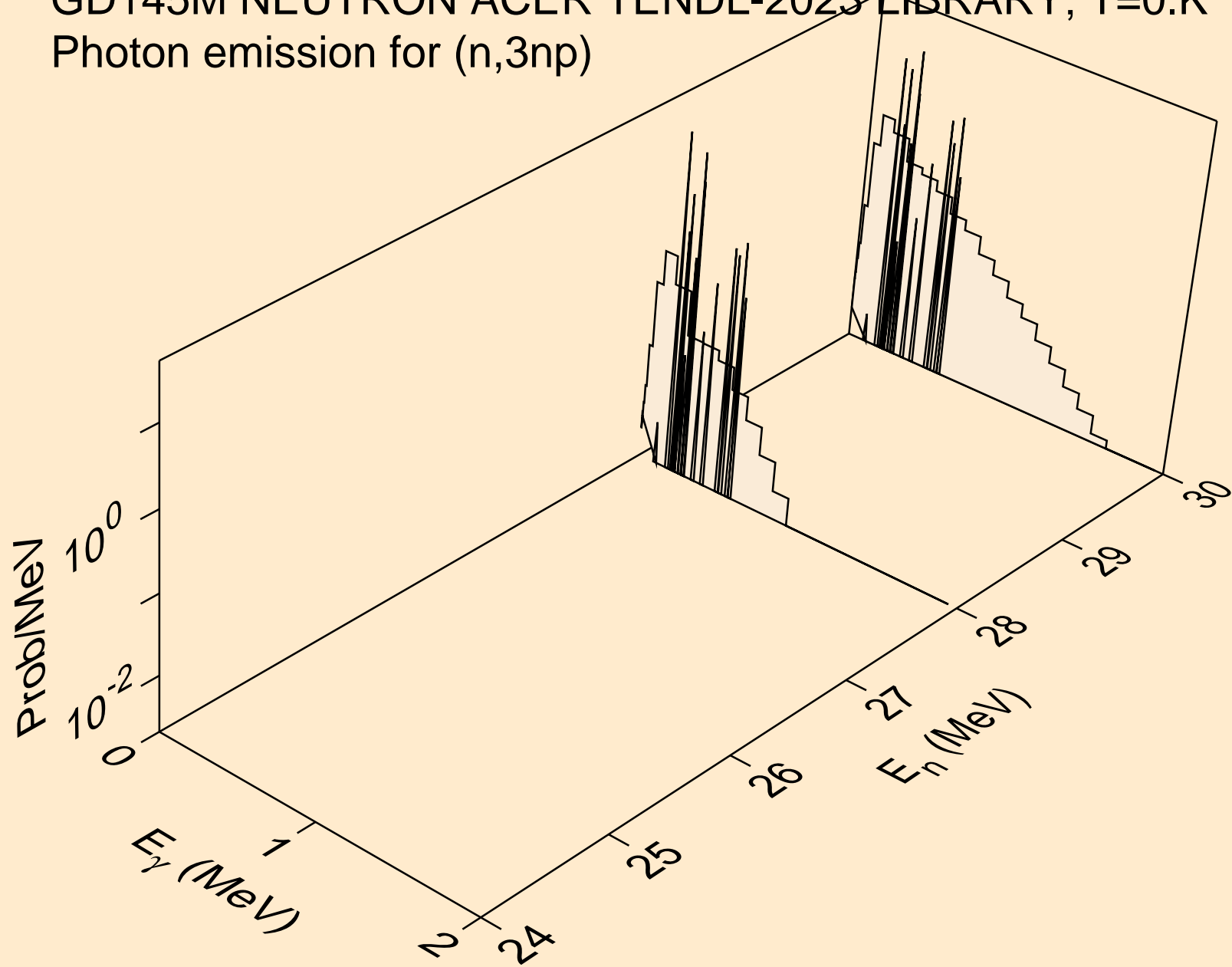




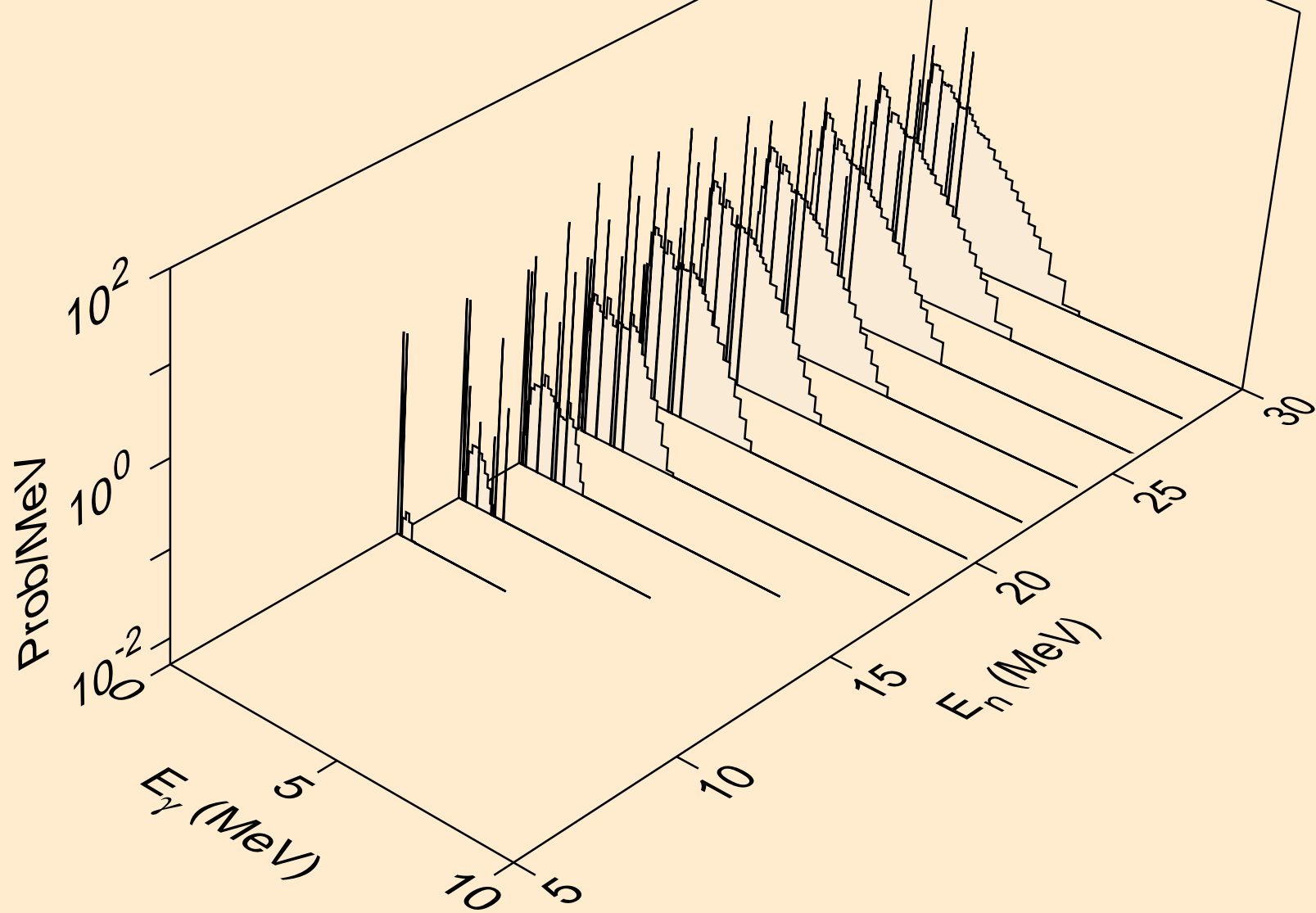
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Photon emission for (n,2np)



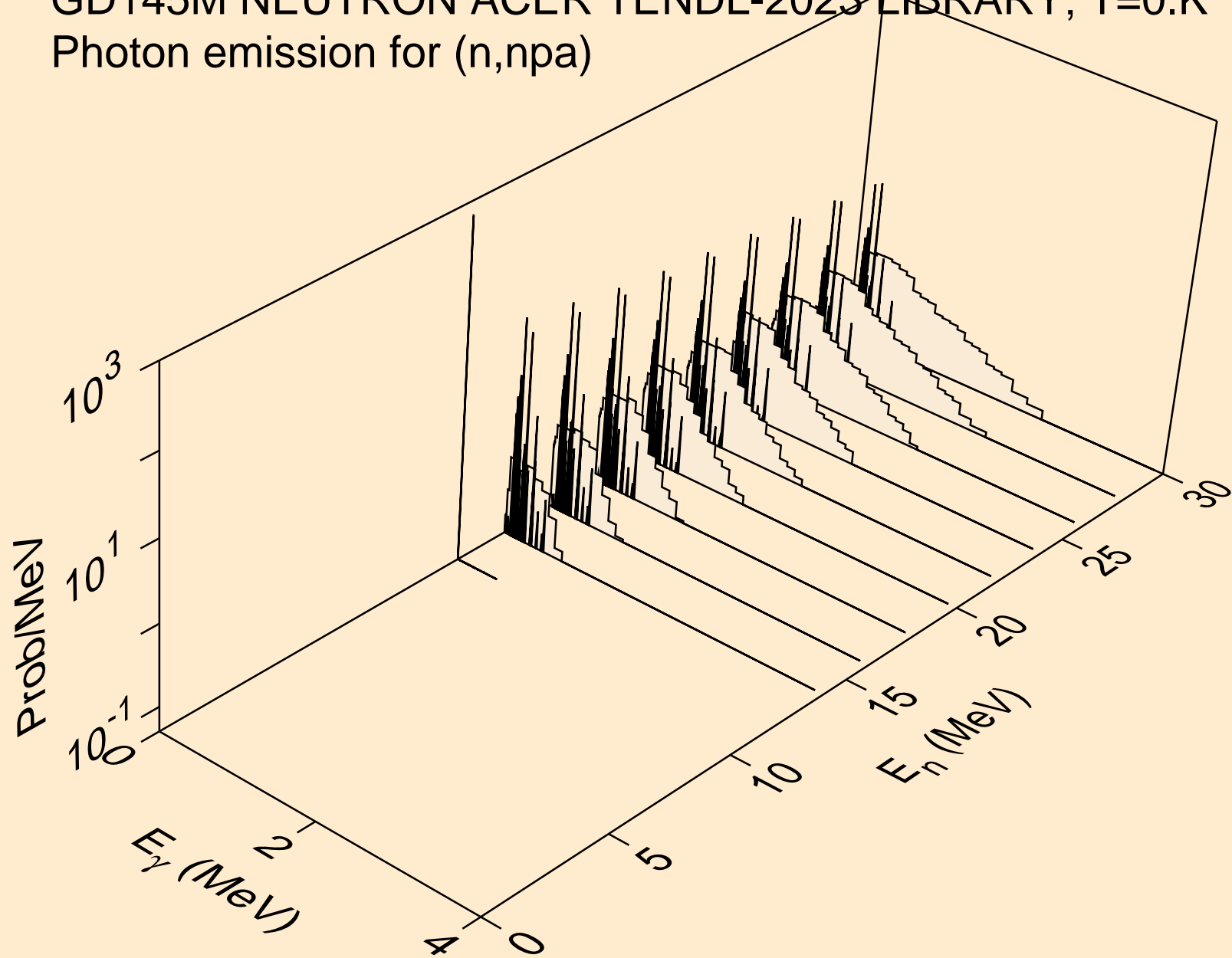
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Photon emission for (n,3np)



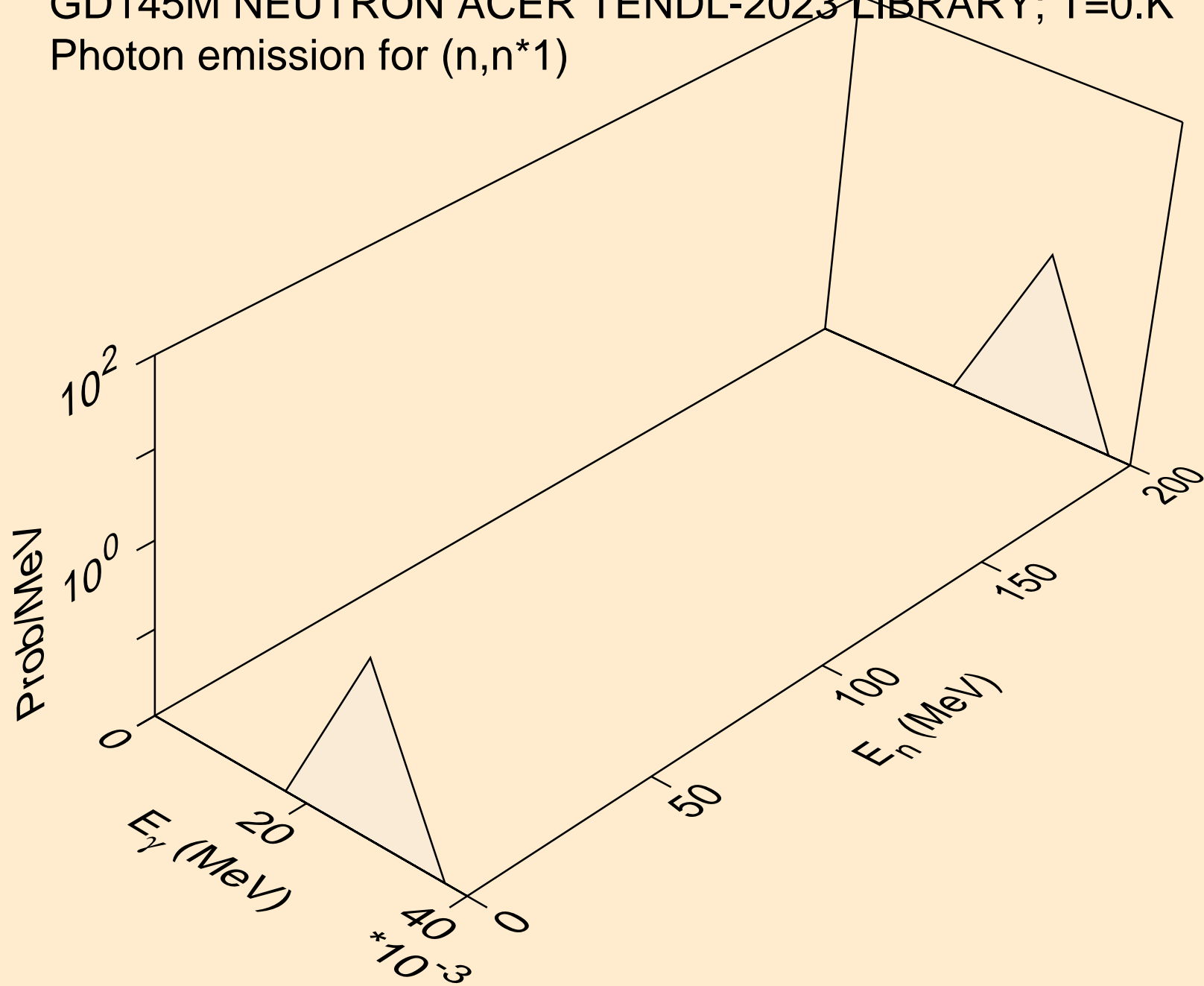
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Photon emission for (n,n2p)



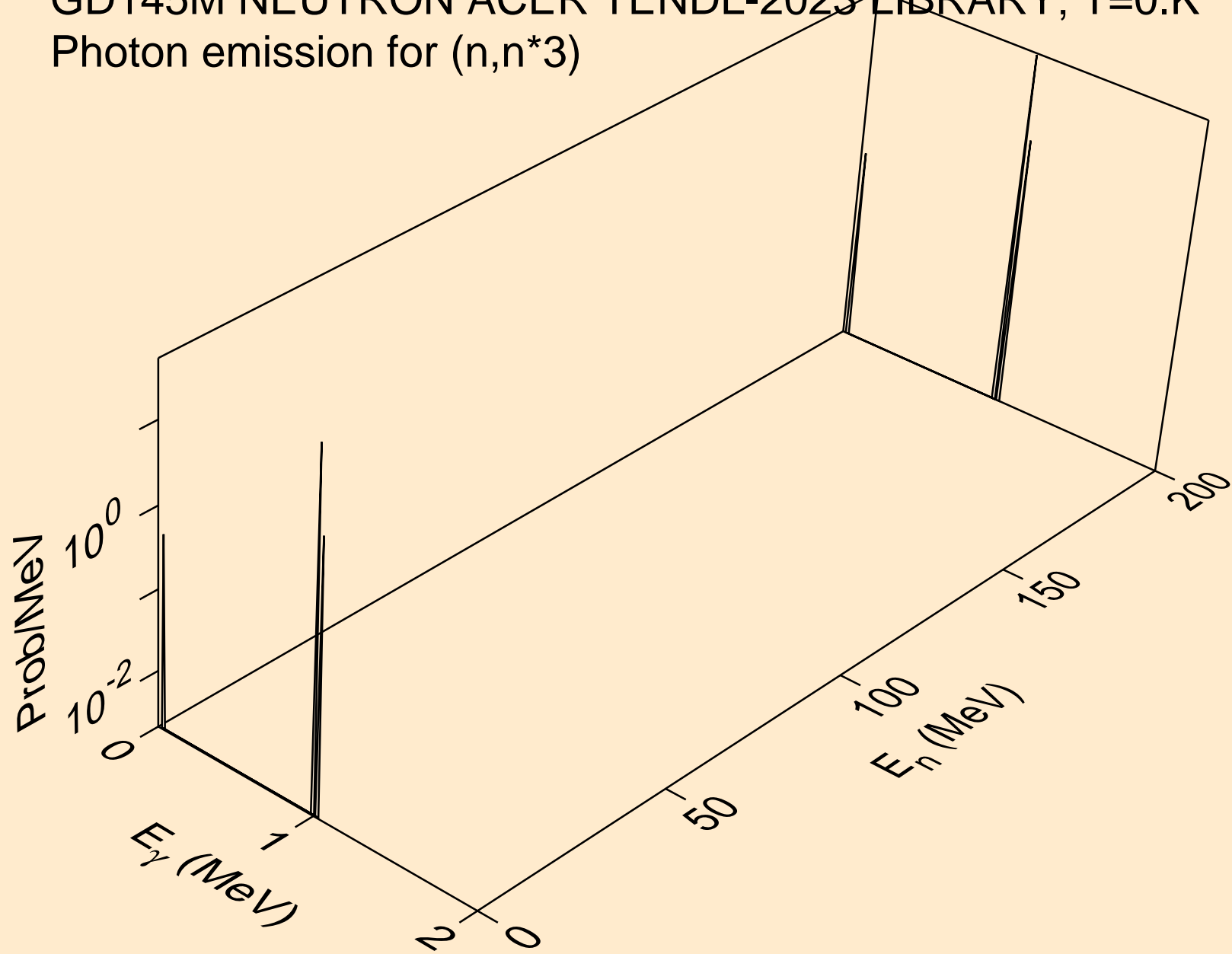
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Photon emission for (n,npa)



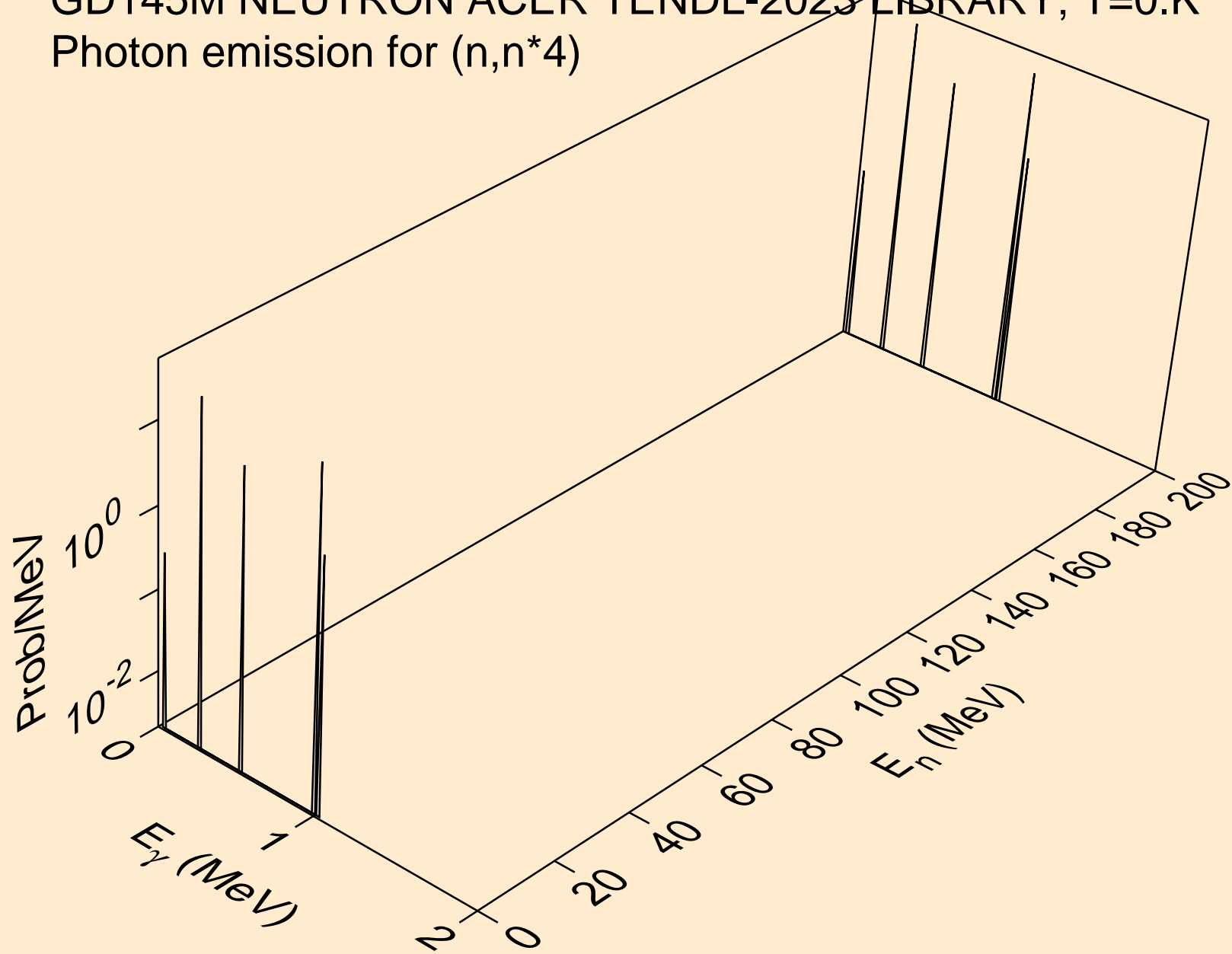
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Photon emission for (n,n\*1)



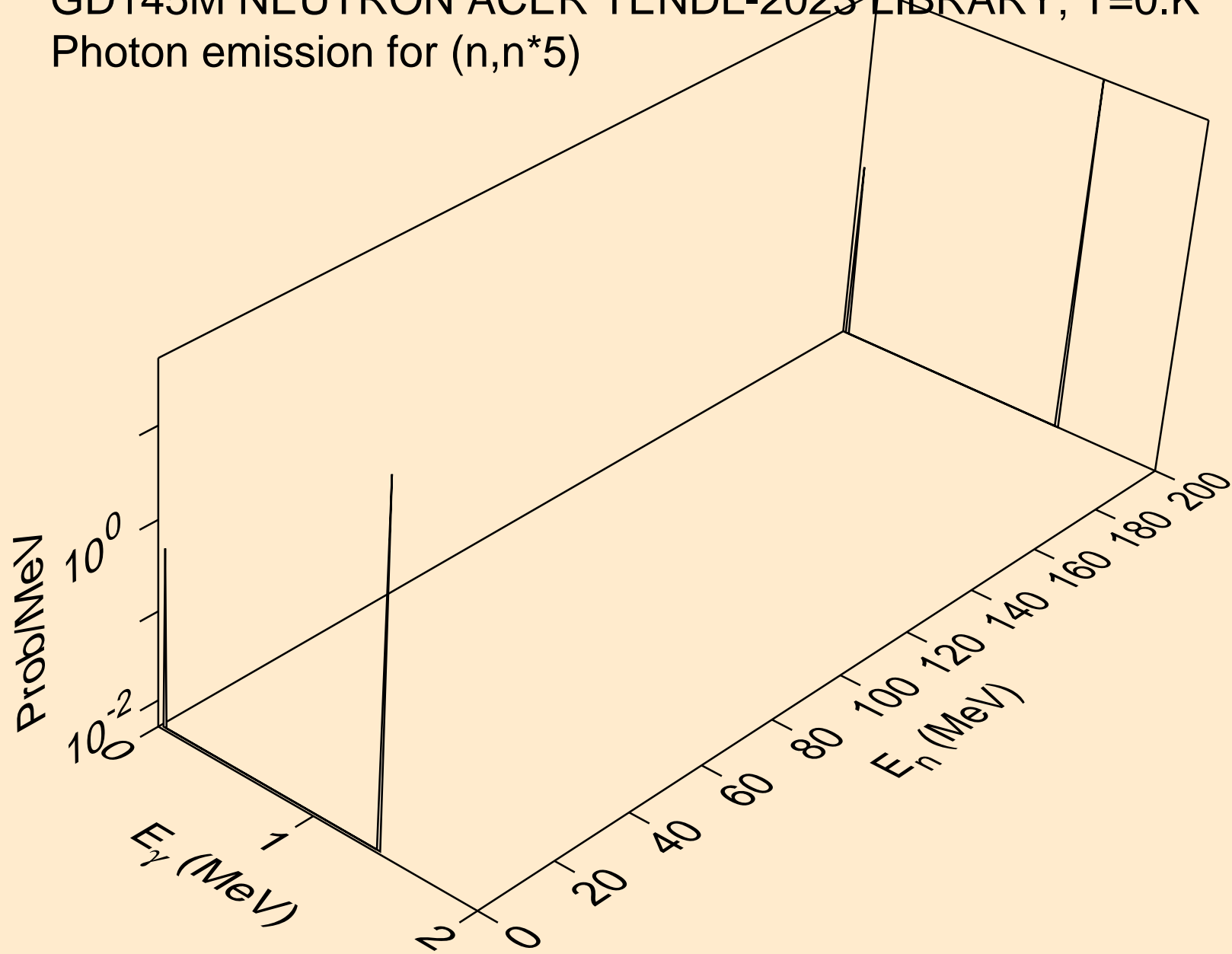
GD145M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*3)



GD145M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*4)

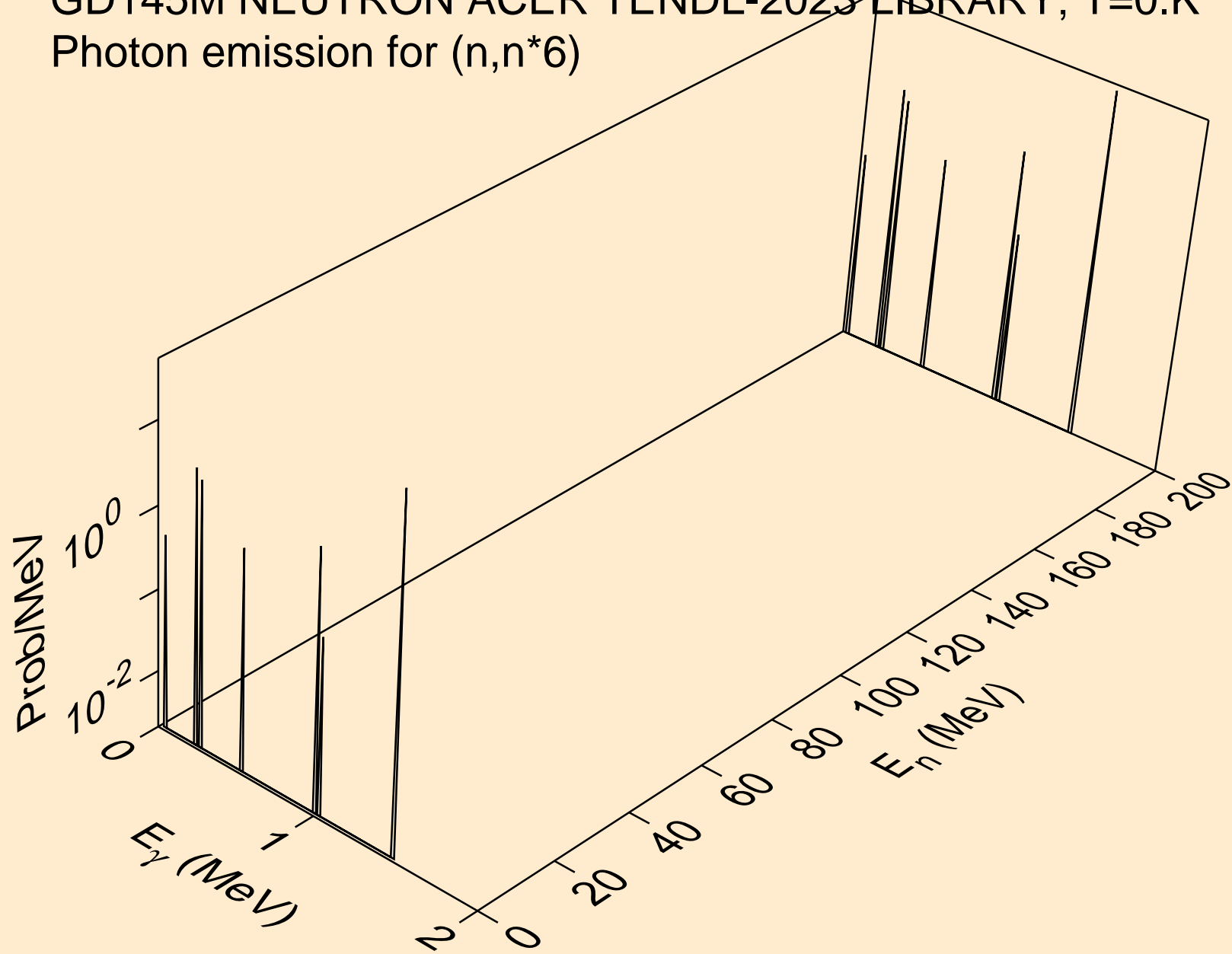


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Photon emission for (n,n\*5)

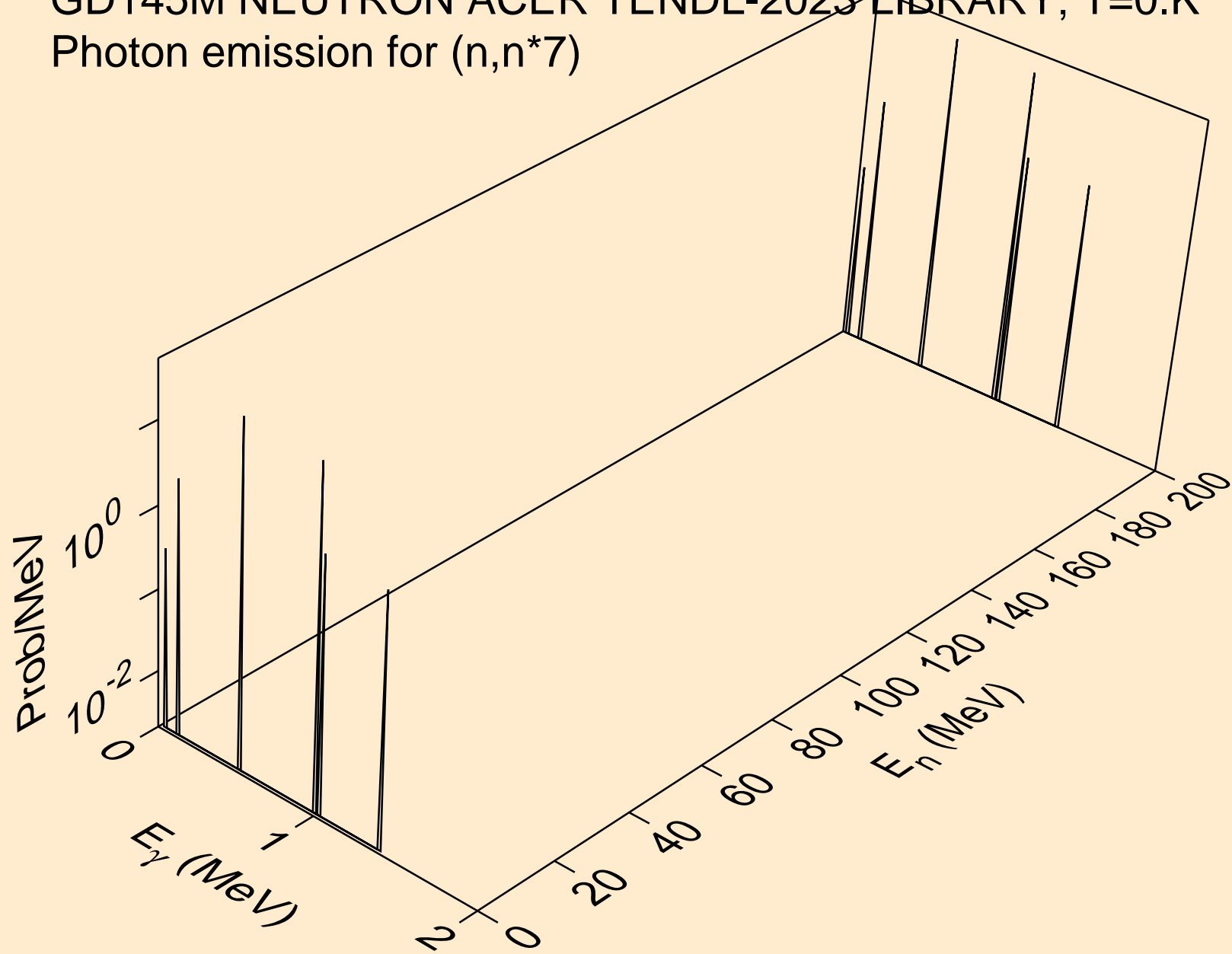




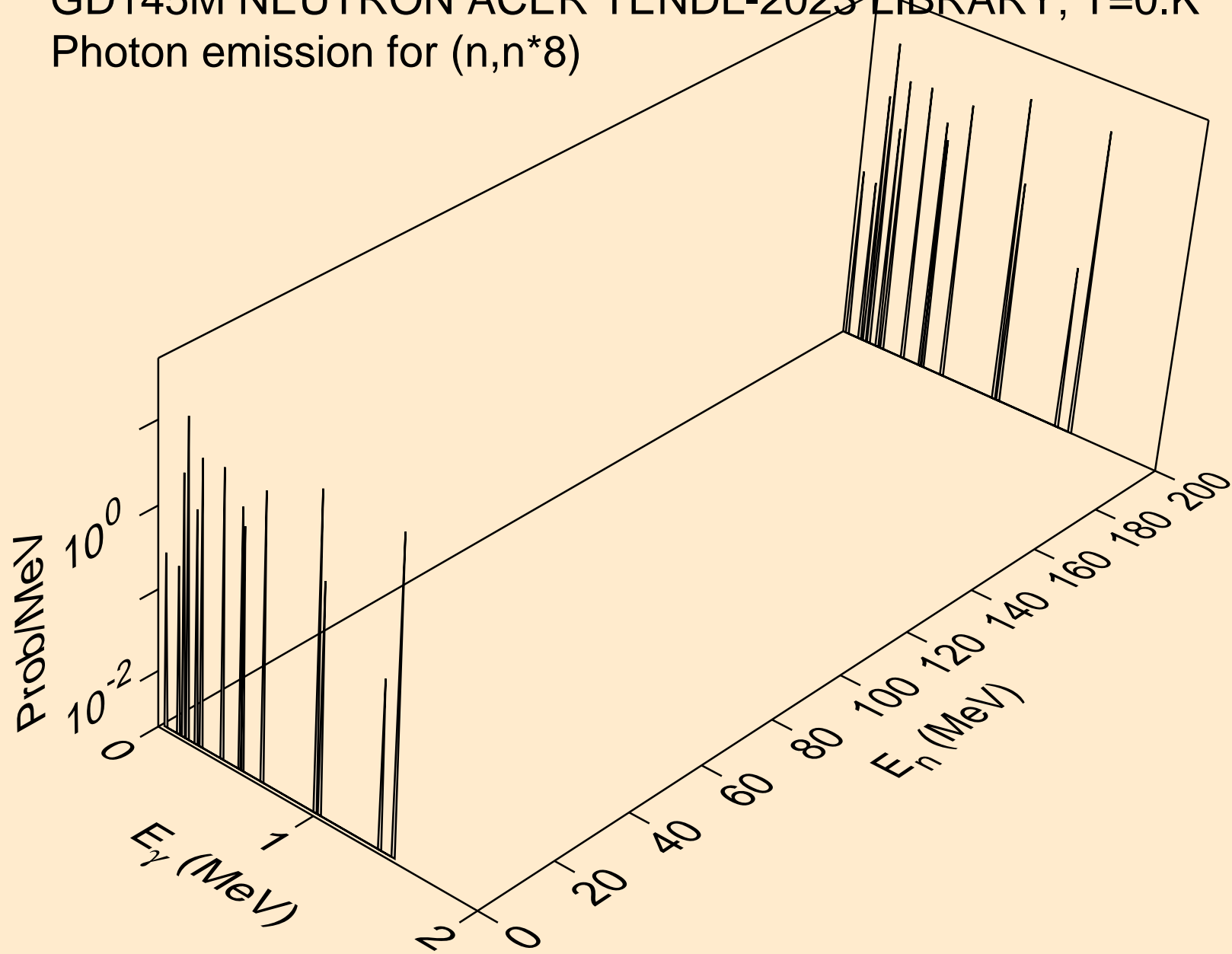
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Photon emission for (n,n\*6)



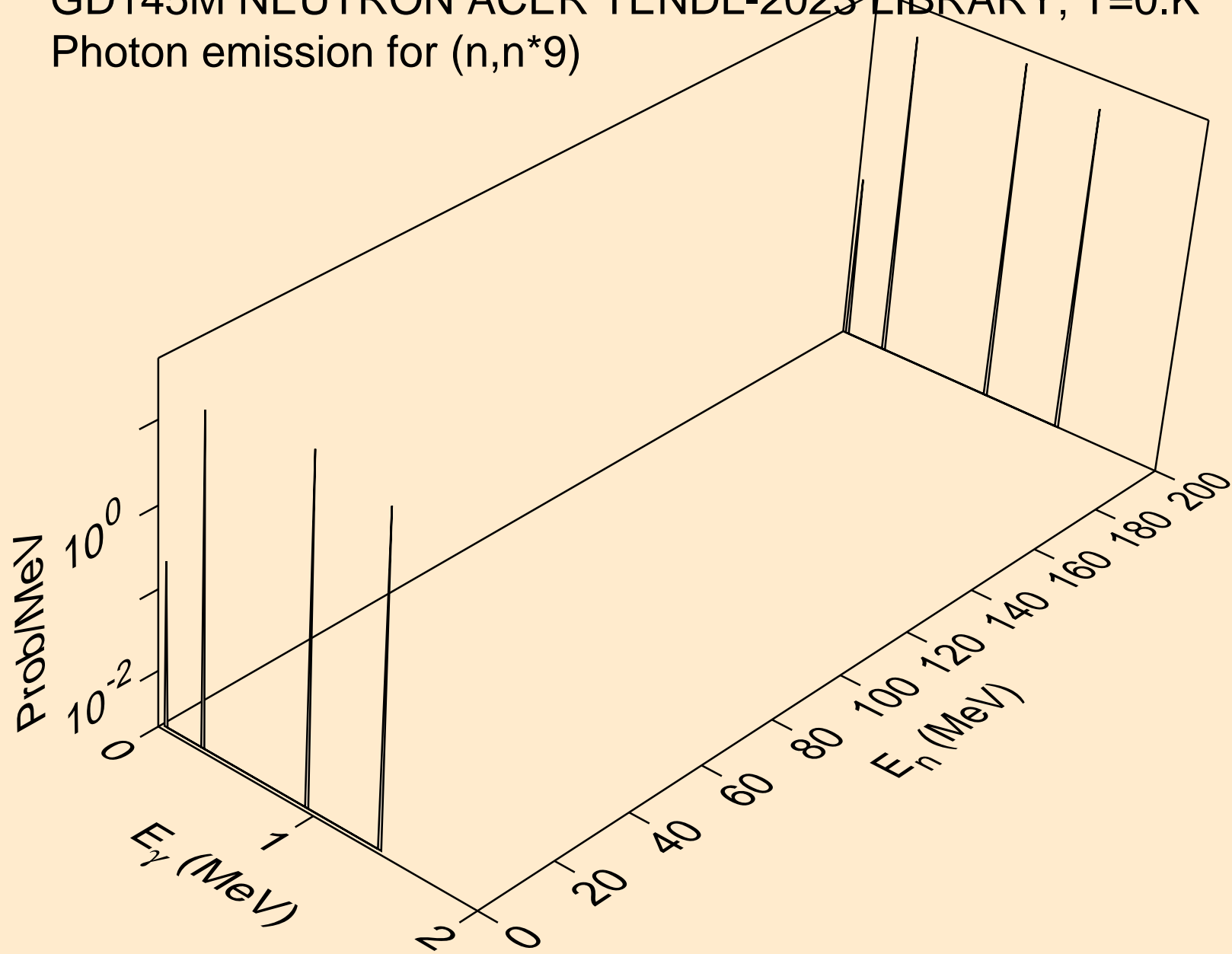
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Photon emission for (n,n\*7)



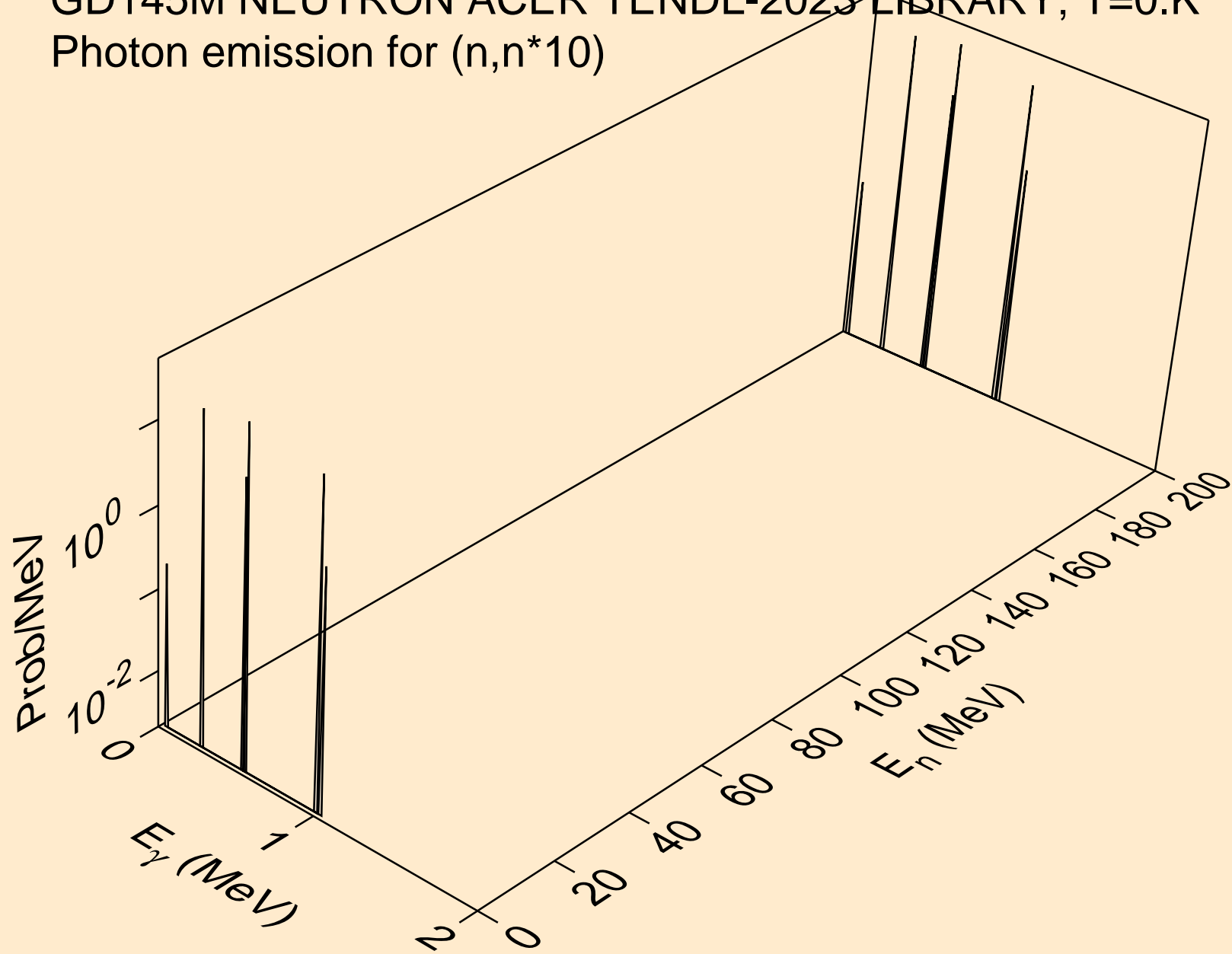
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Photon emission for (n,n\*8)



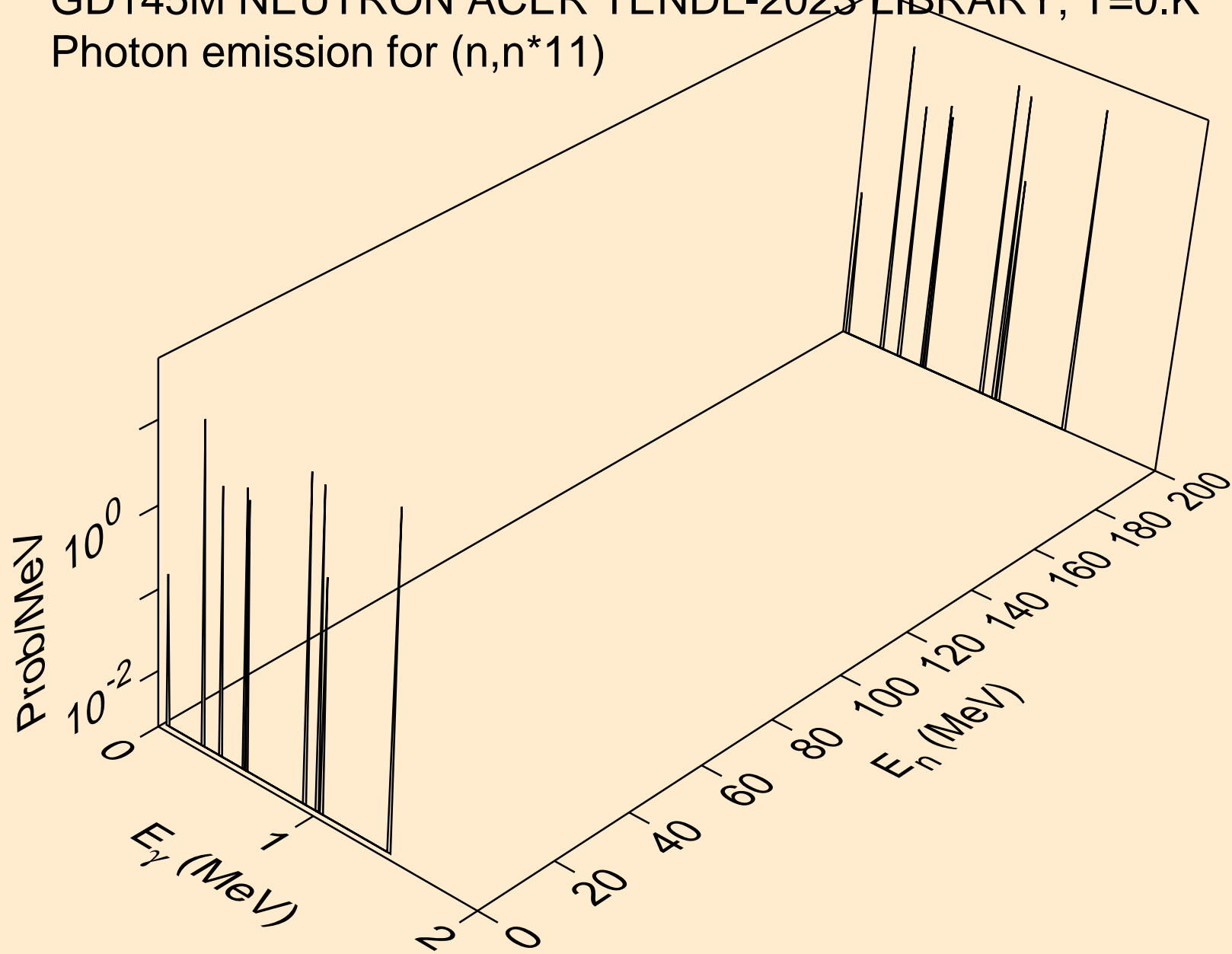
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Photon emission for (n,n\*9)



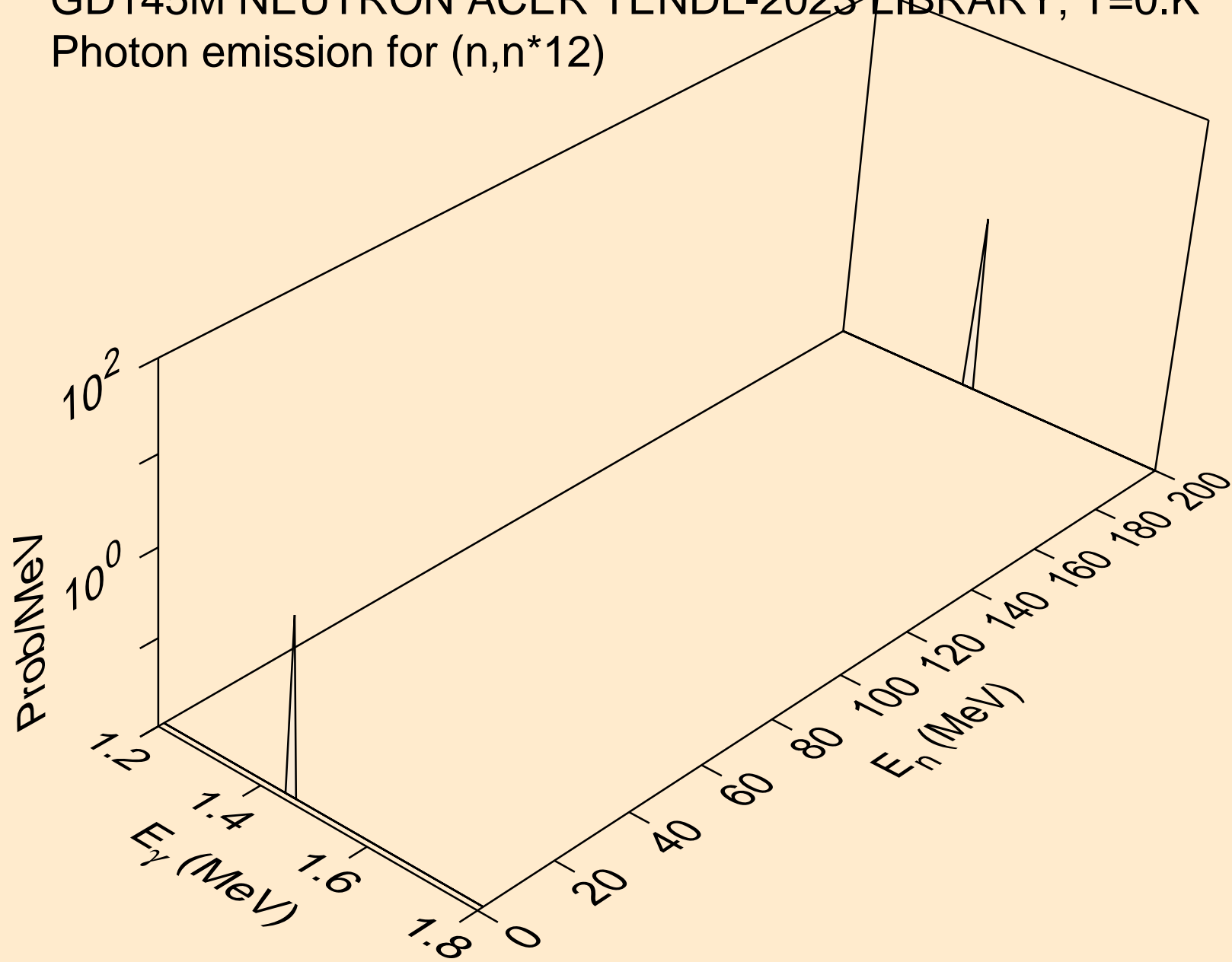
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Photon emission for (n,n\*10)



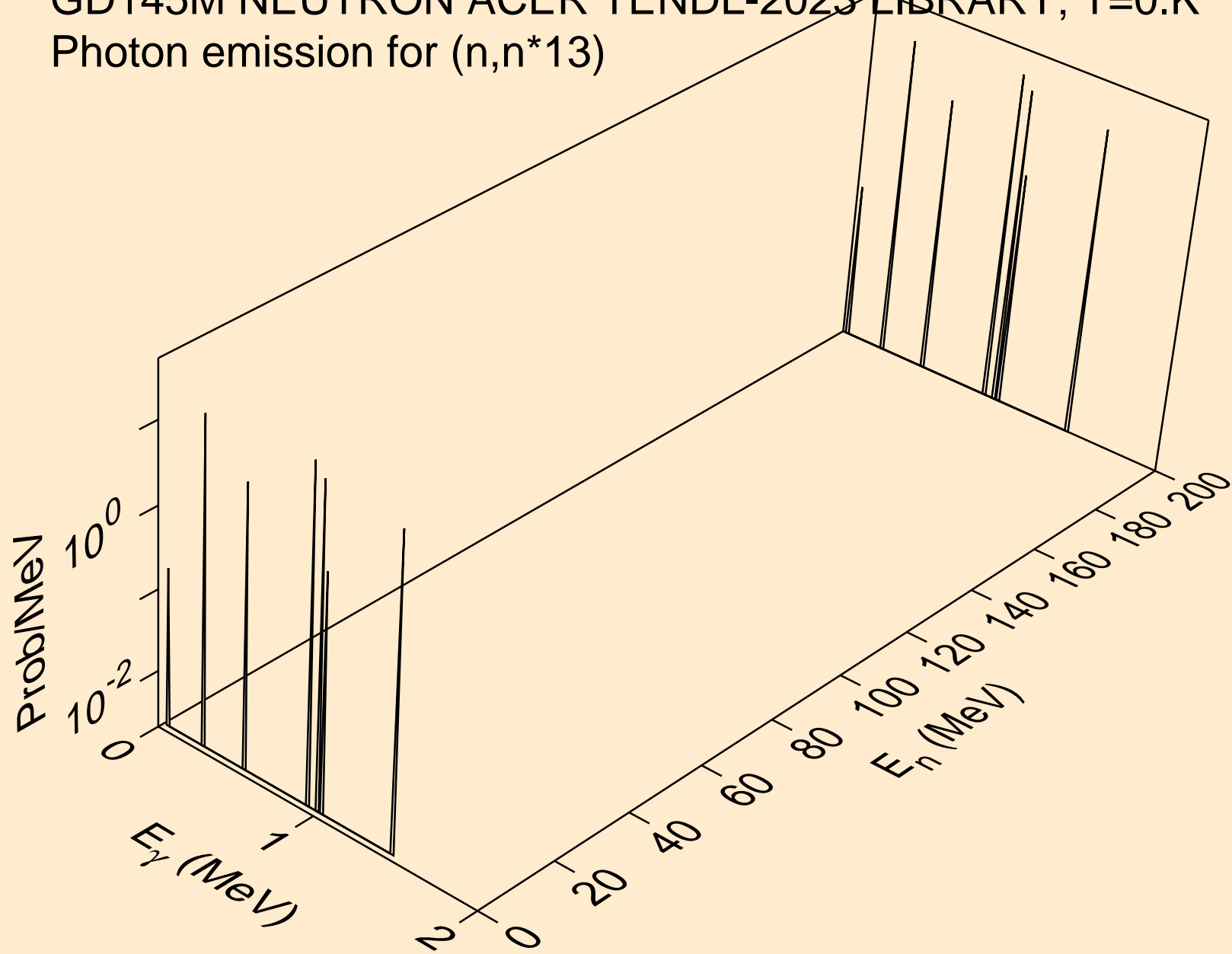
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Photon emission for (n,n\*11)



GD145M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*12)

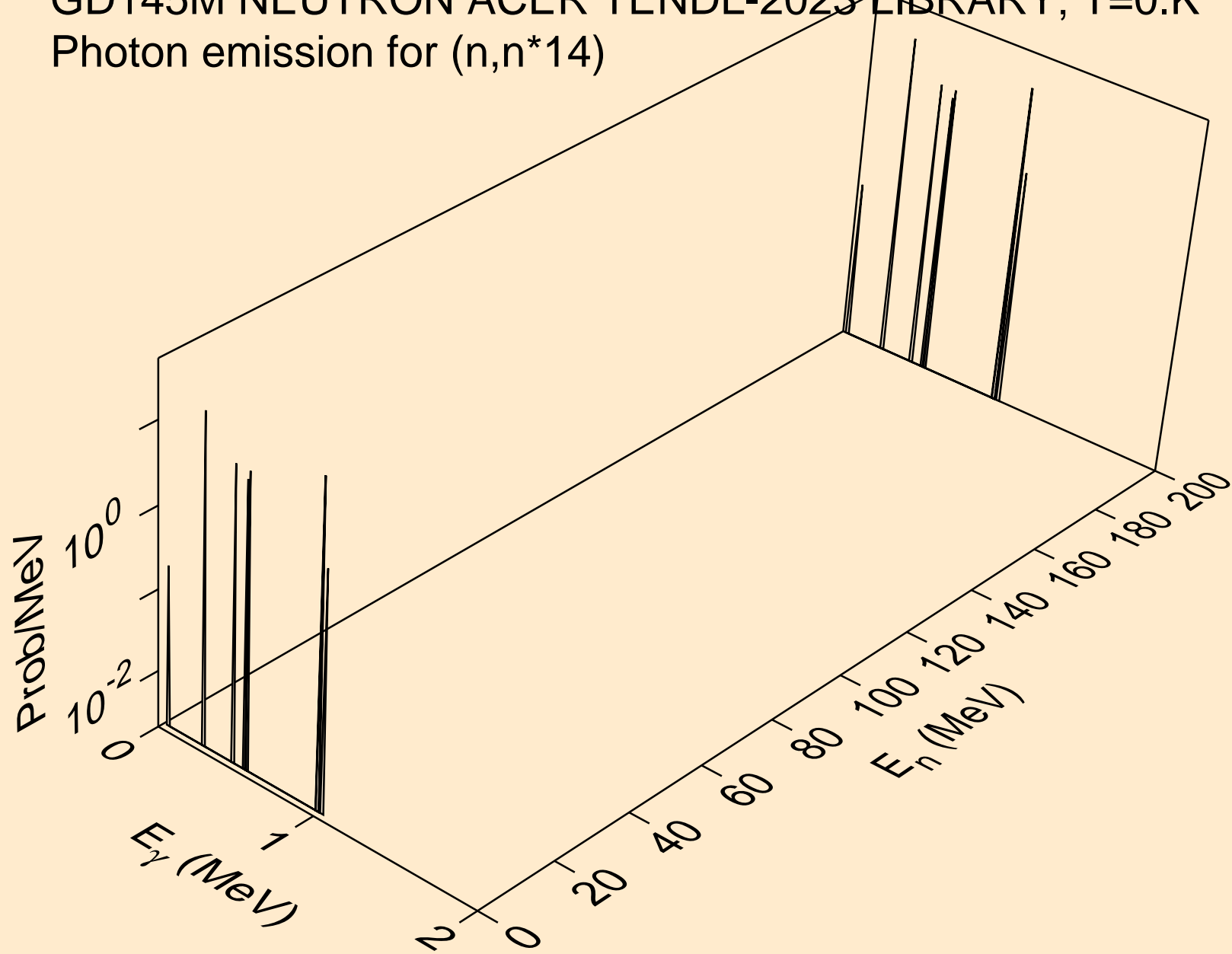


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Photon emission for (n,n\*13)

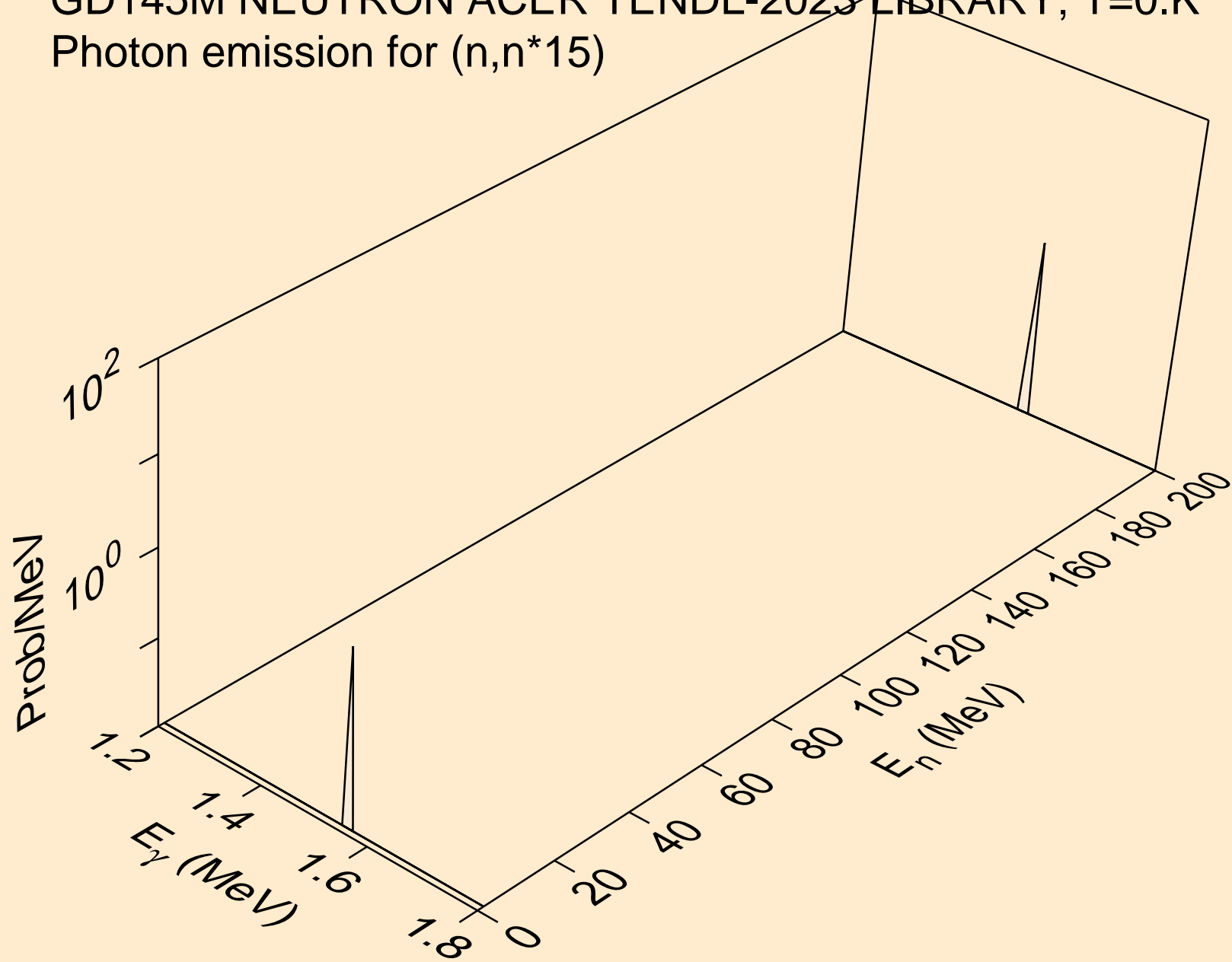




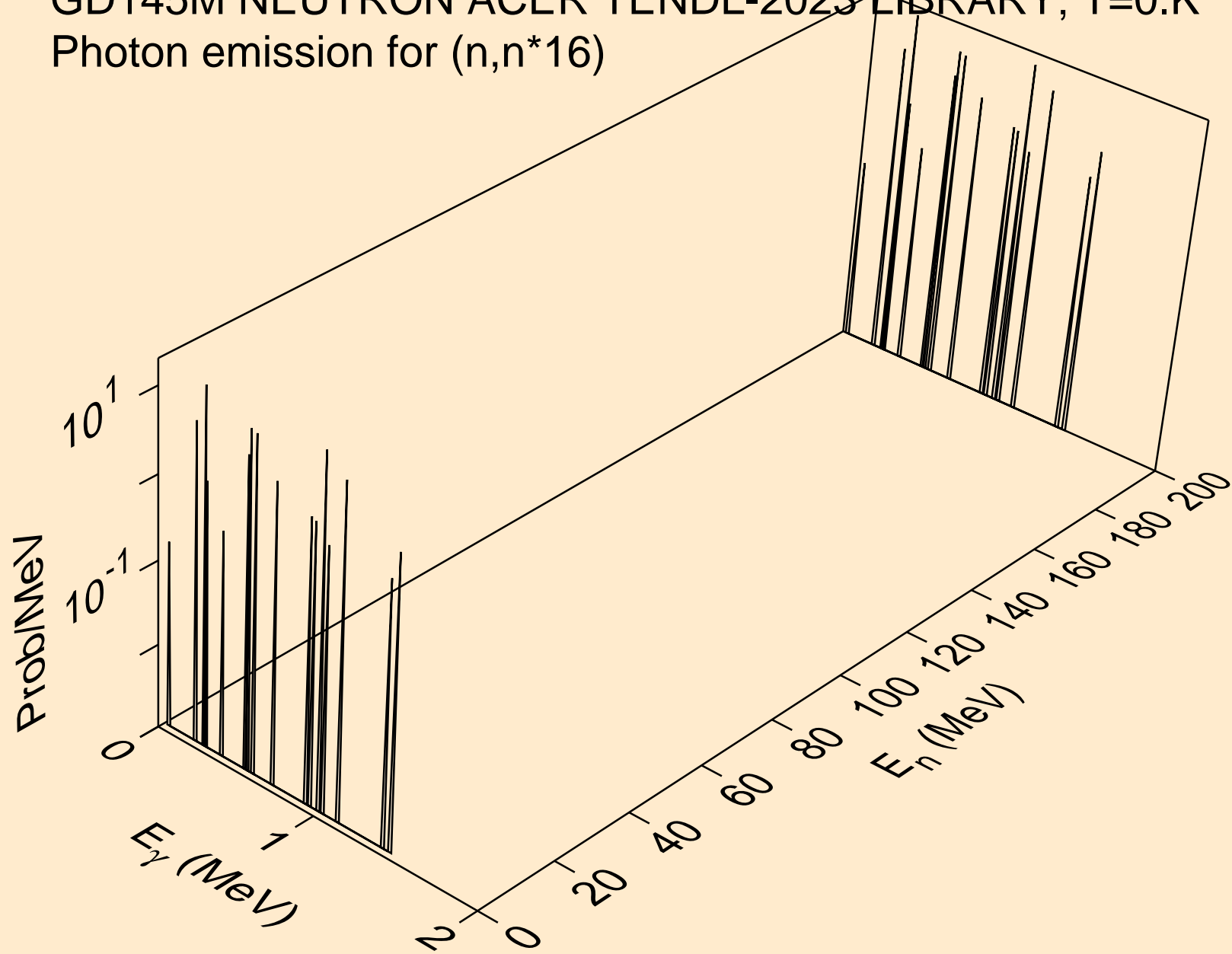
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Photon emission for (n,n\*14)



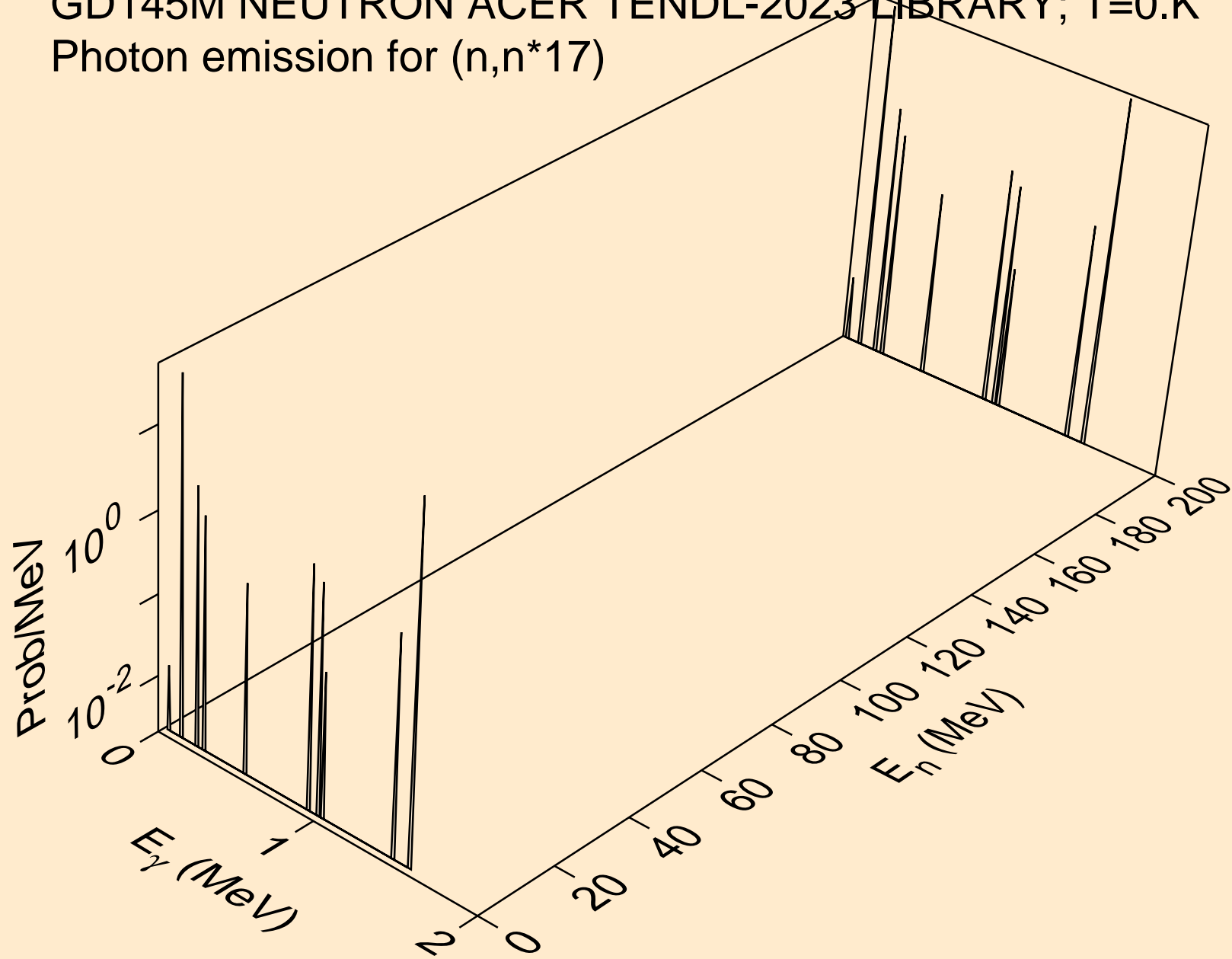
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Photon emission for (n,n\*15)



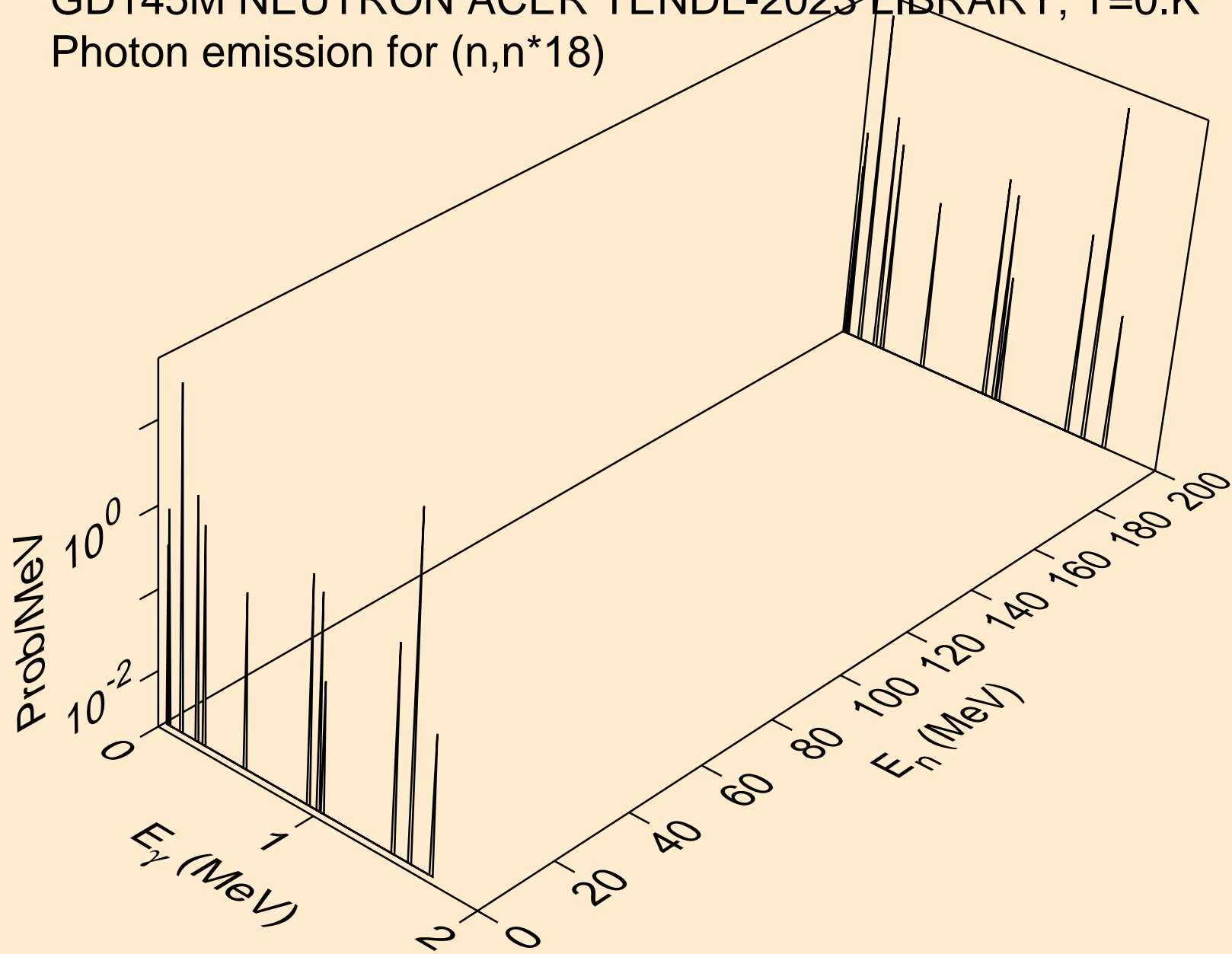
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Photon emission for (n,n\*16)



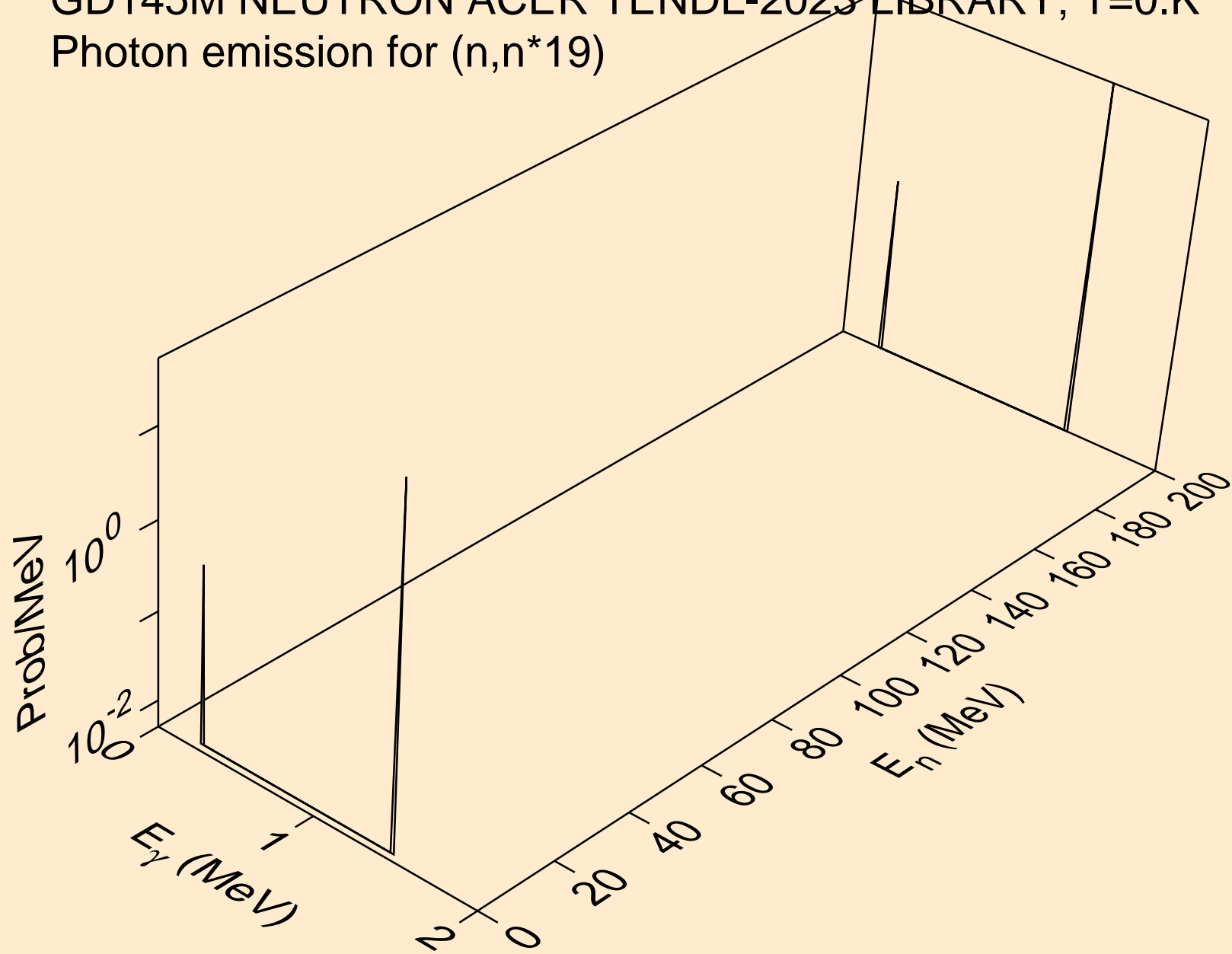
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Photon emission for (n,n\*17)



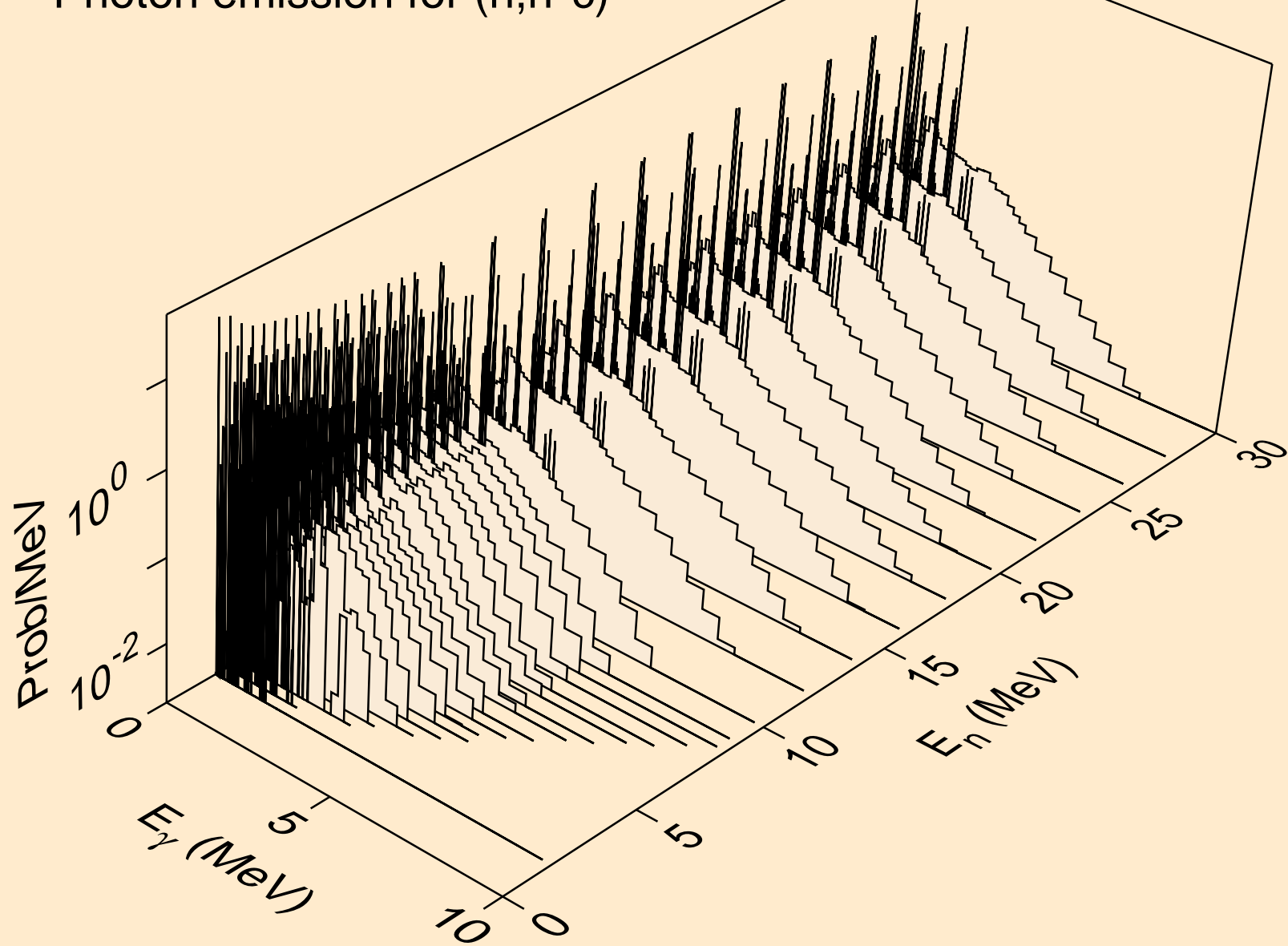
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Photon emission for (n,n\*18)



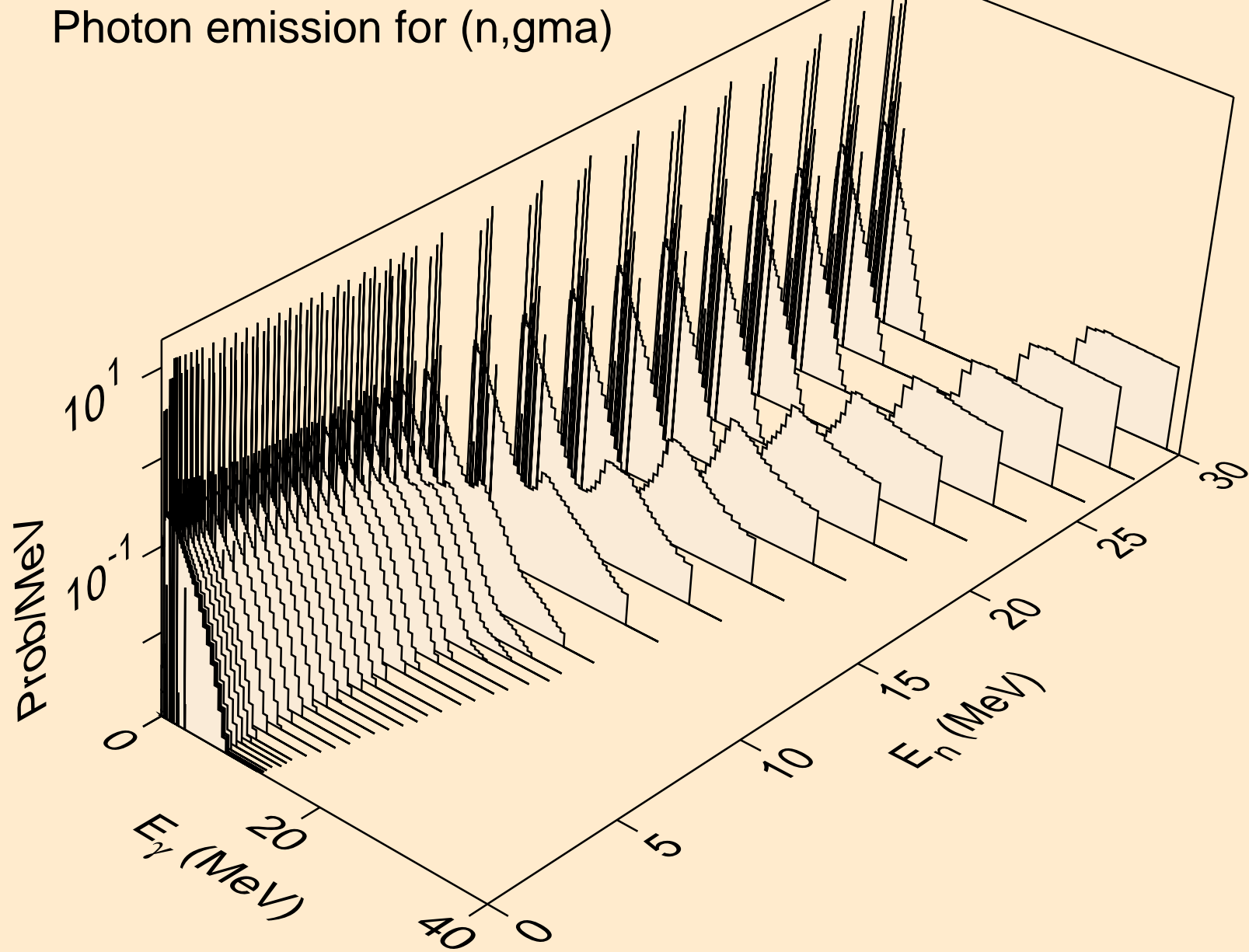
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Photon emission for (n,n\*19)



GD145M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*c)

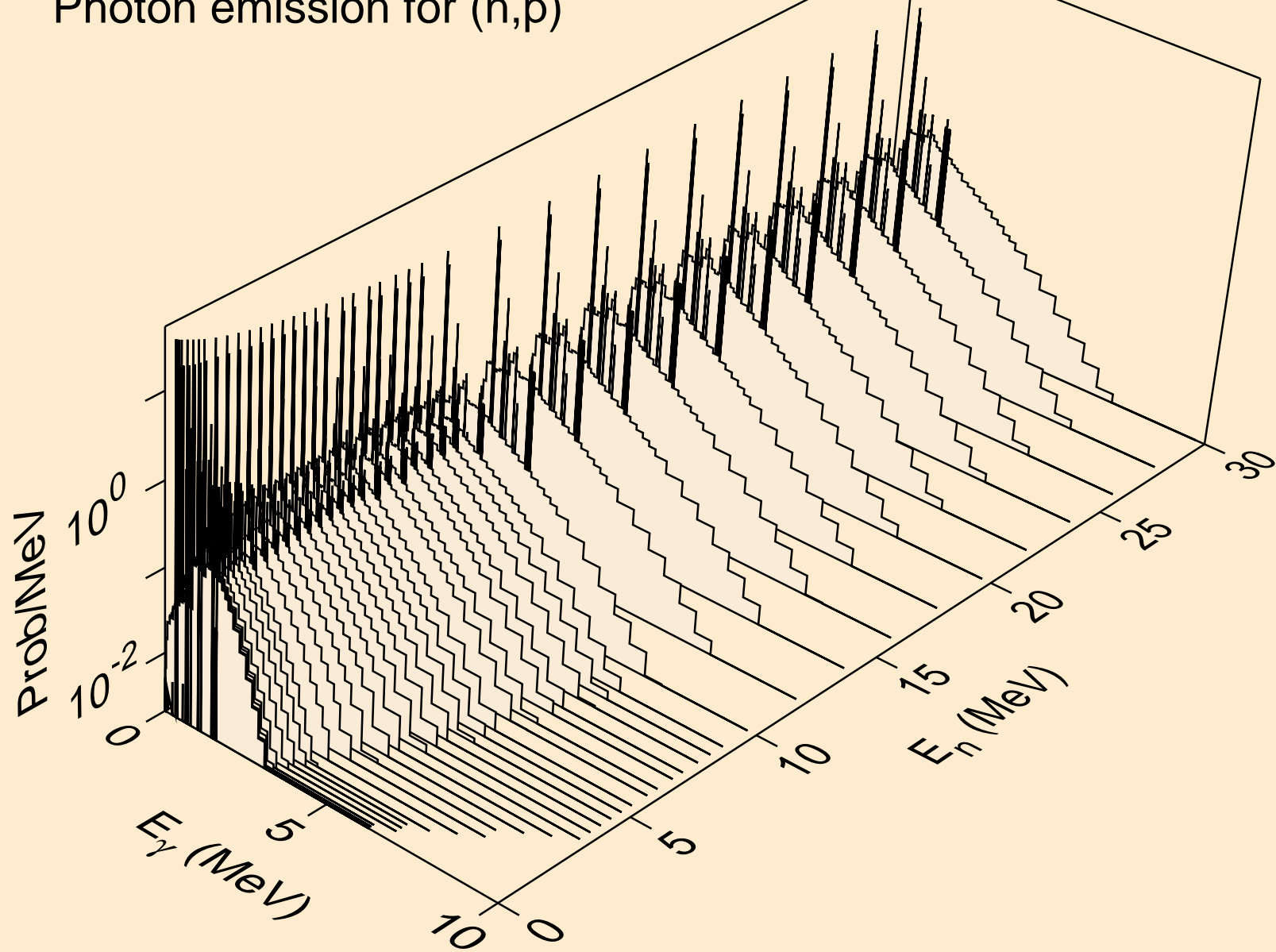


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Photon emission for (n,gma)

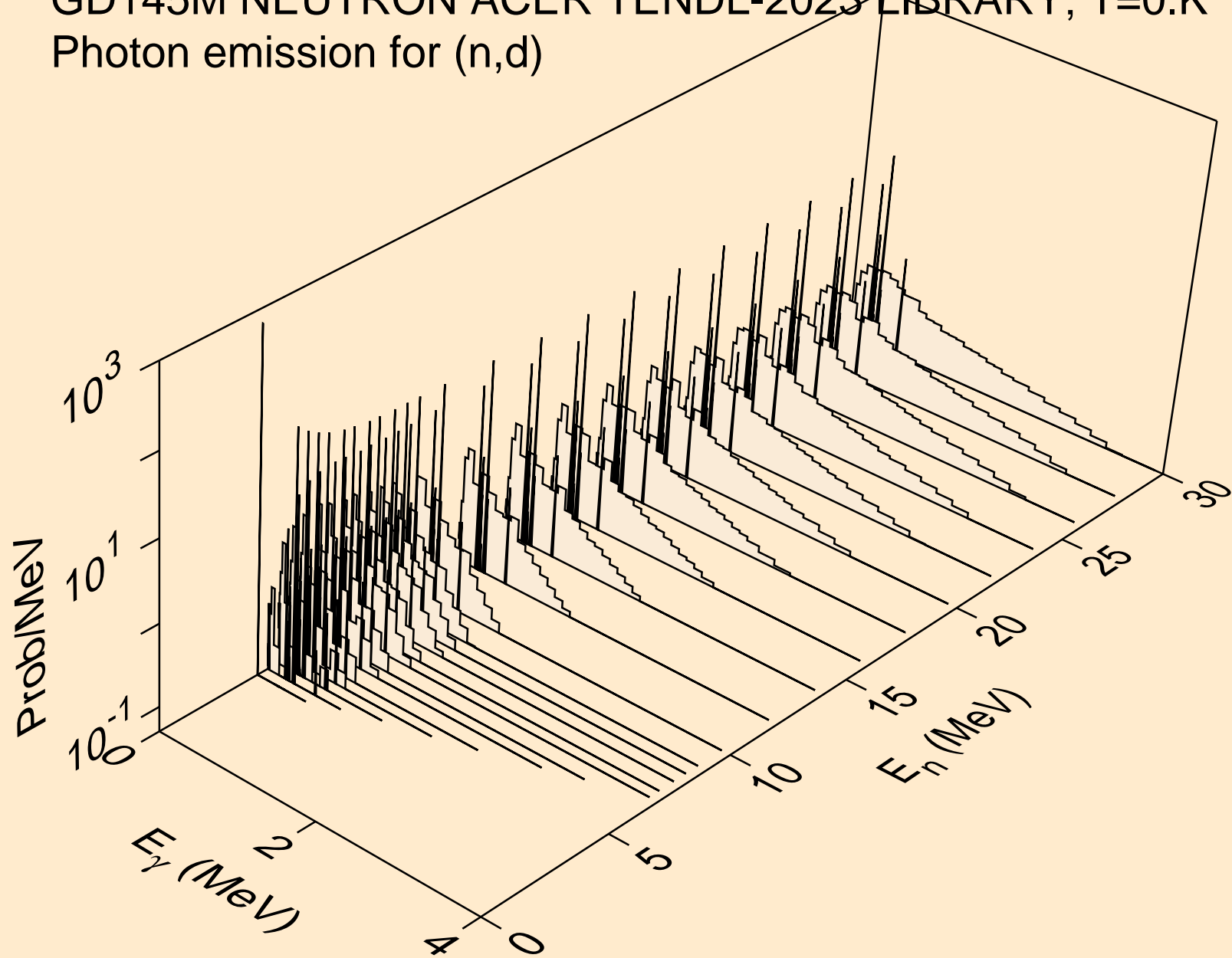




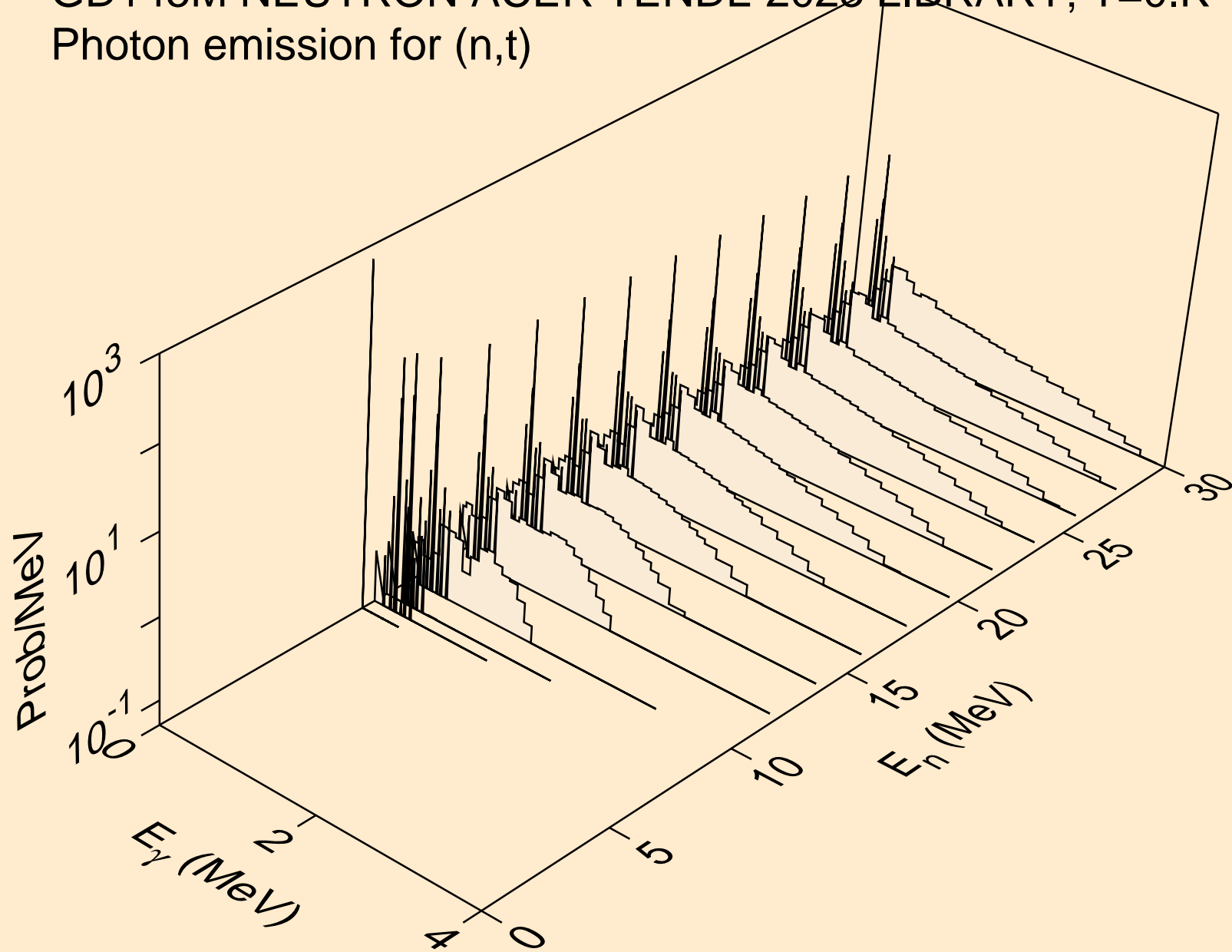
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Photon emission for (n,p)



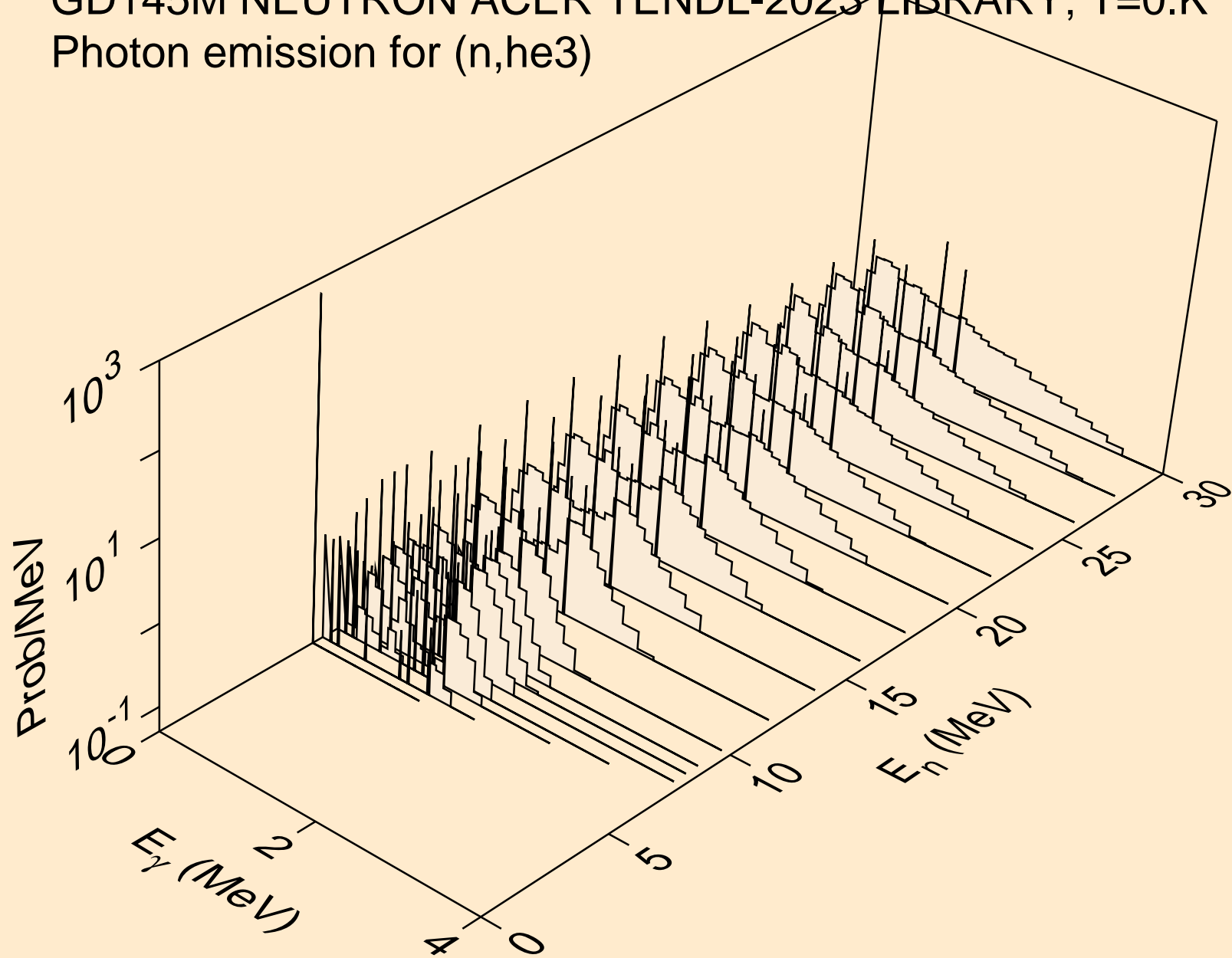
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Photon emission for (n,d)



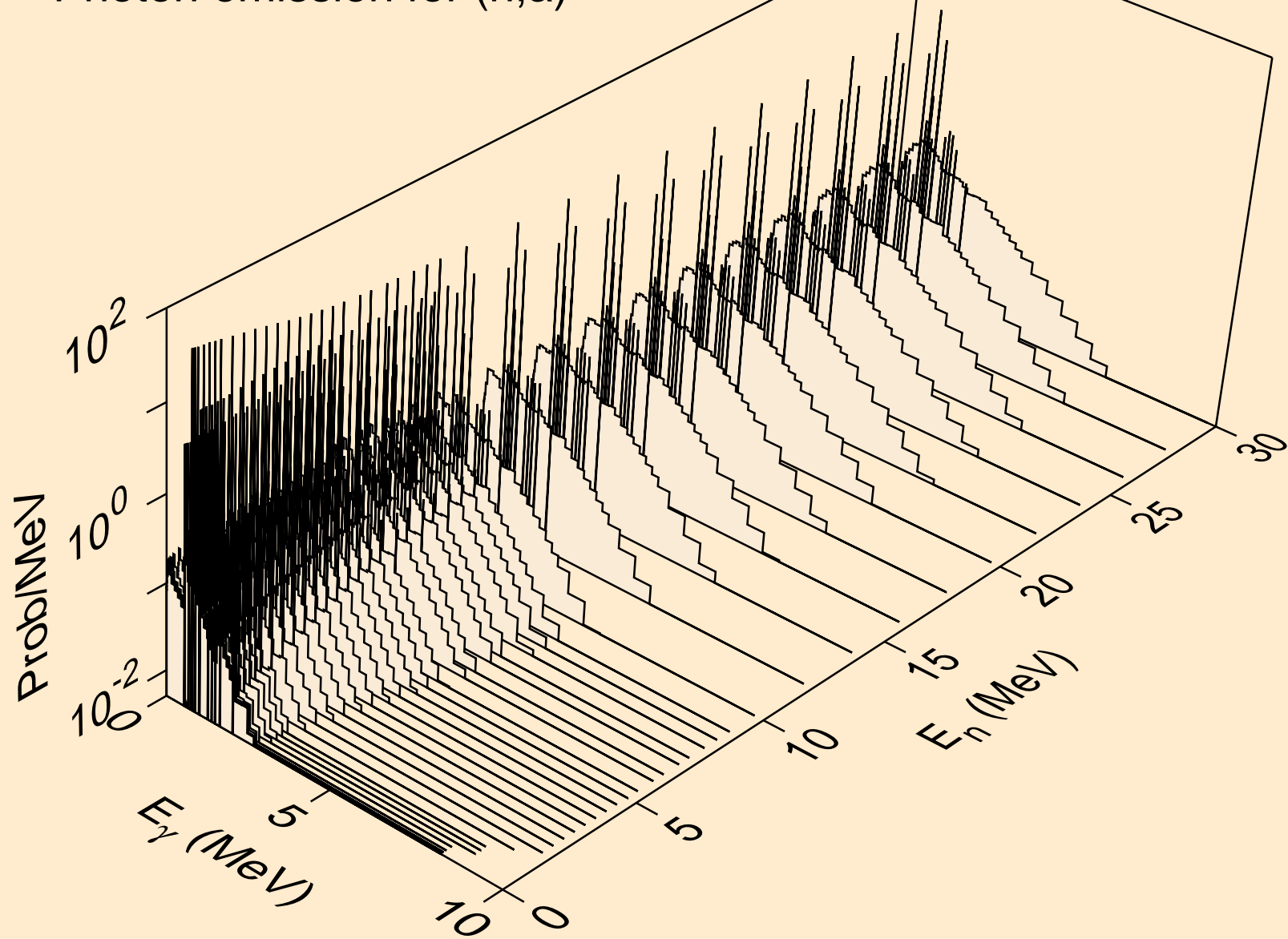
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Photon emission for (n,t)



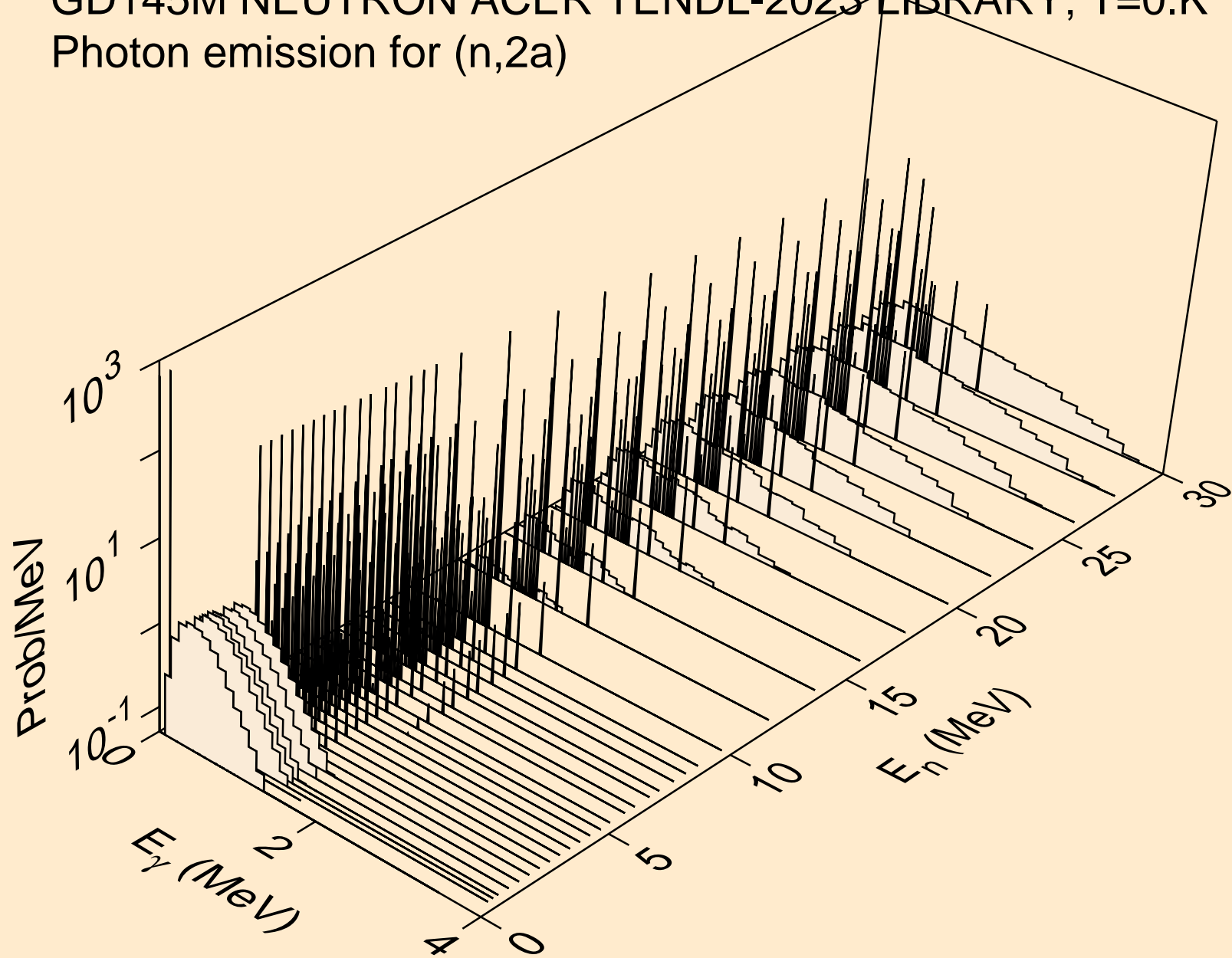
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Photon emission for (n,he3)



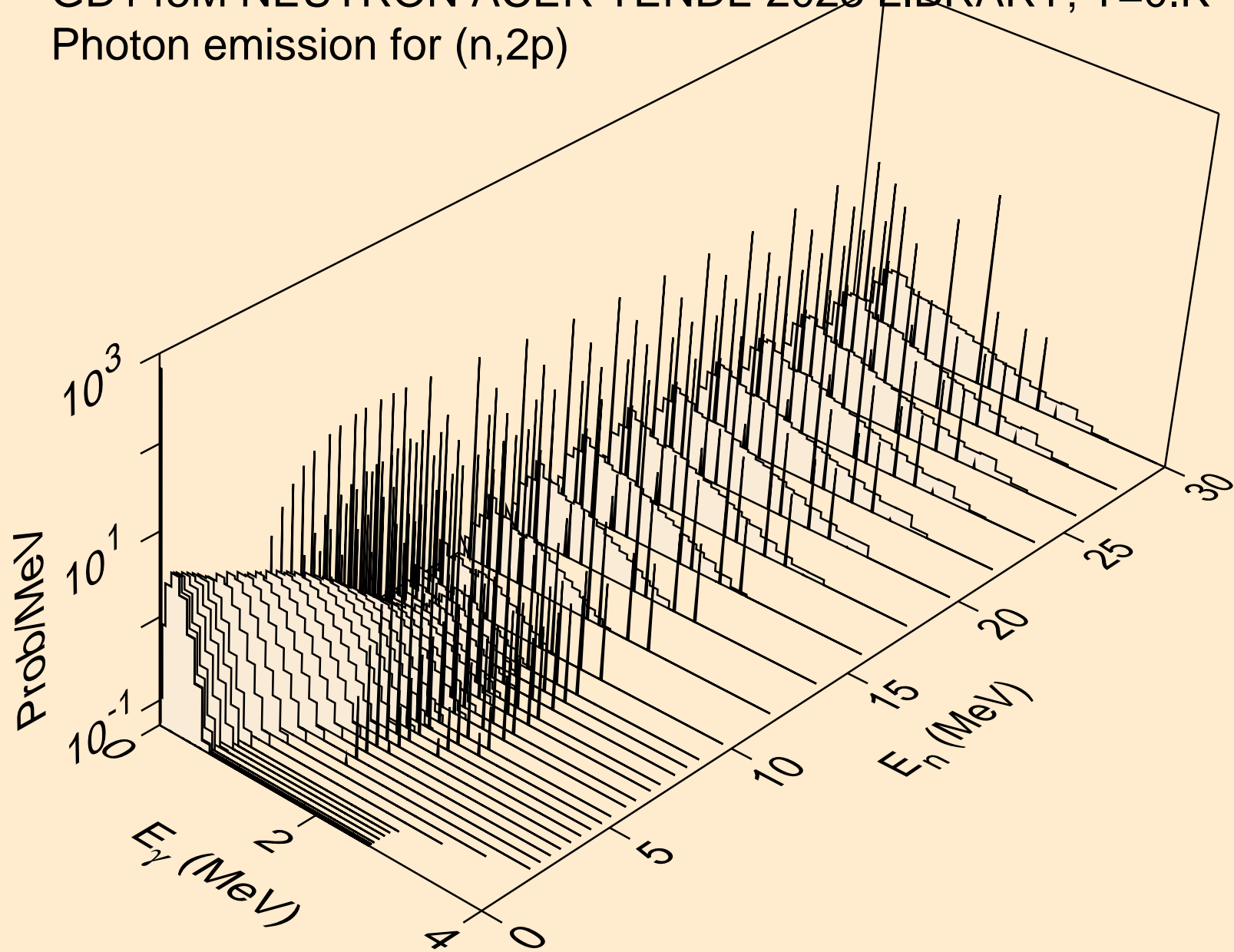
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Photon emission for (n,a)



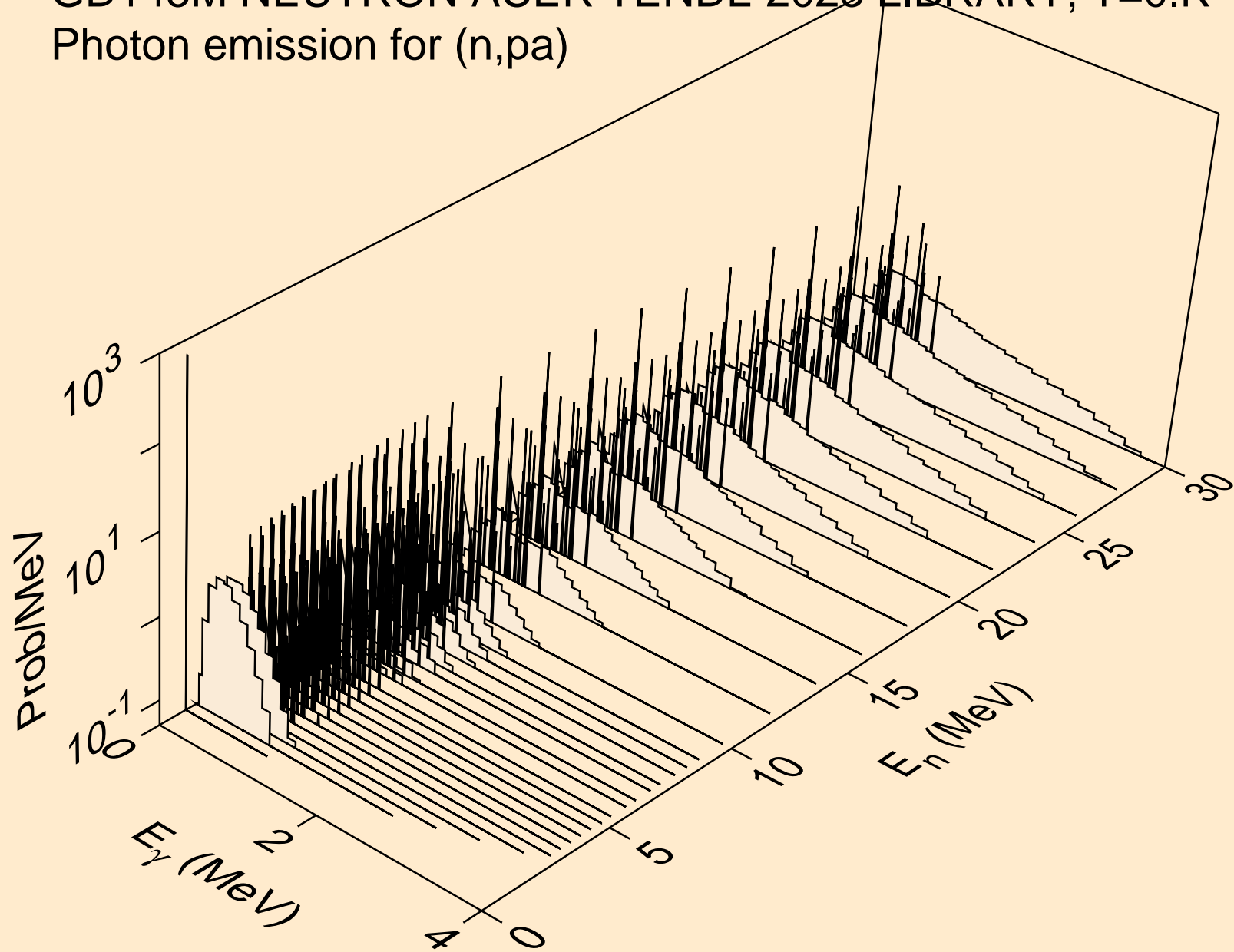
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Photon emission for (n,2a)



GD145M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)

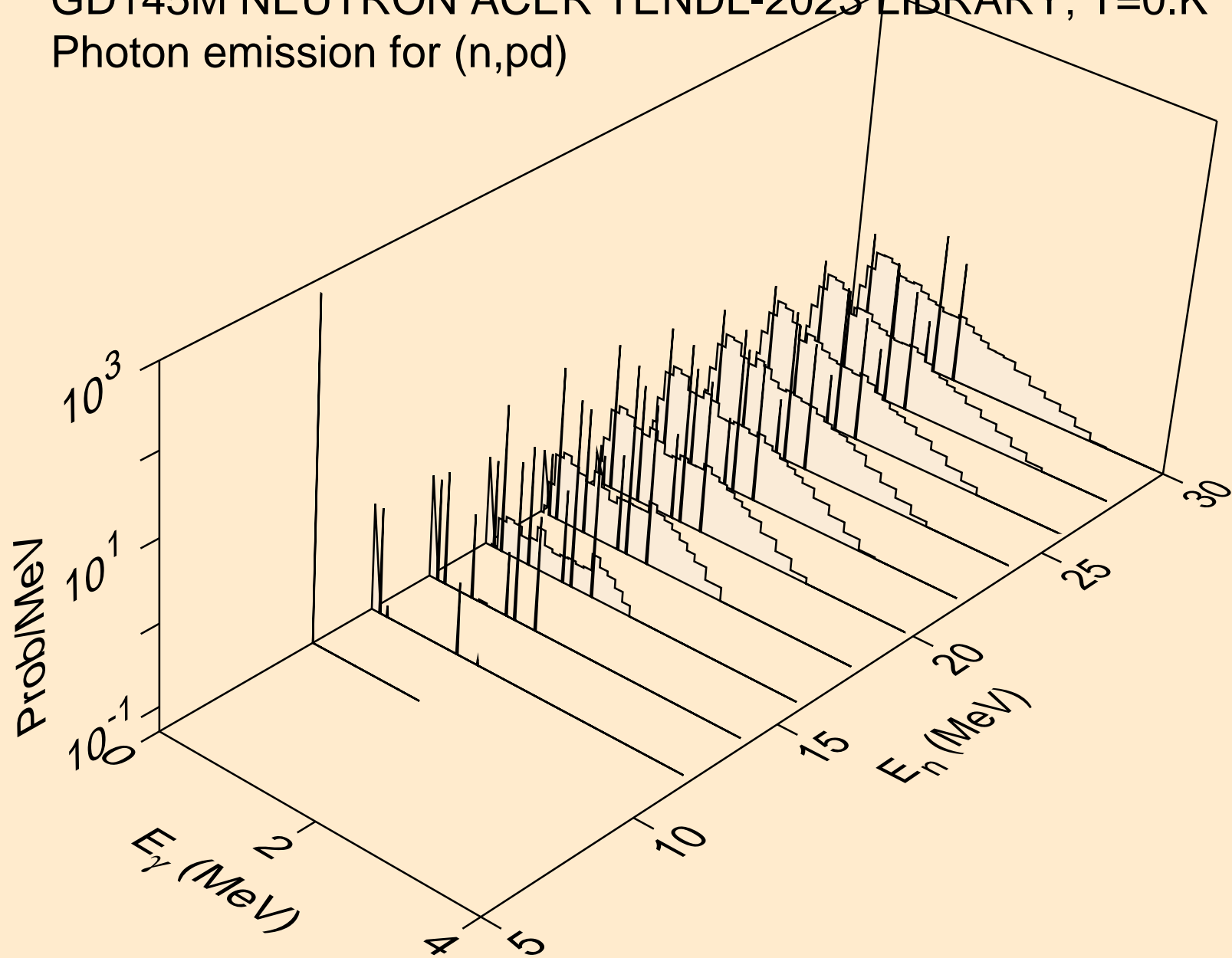


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Photon emission for (n,p)

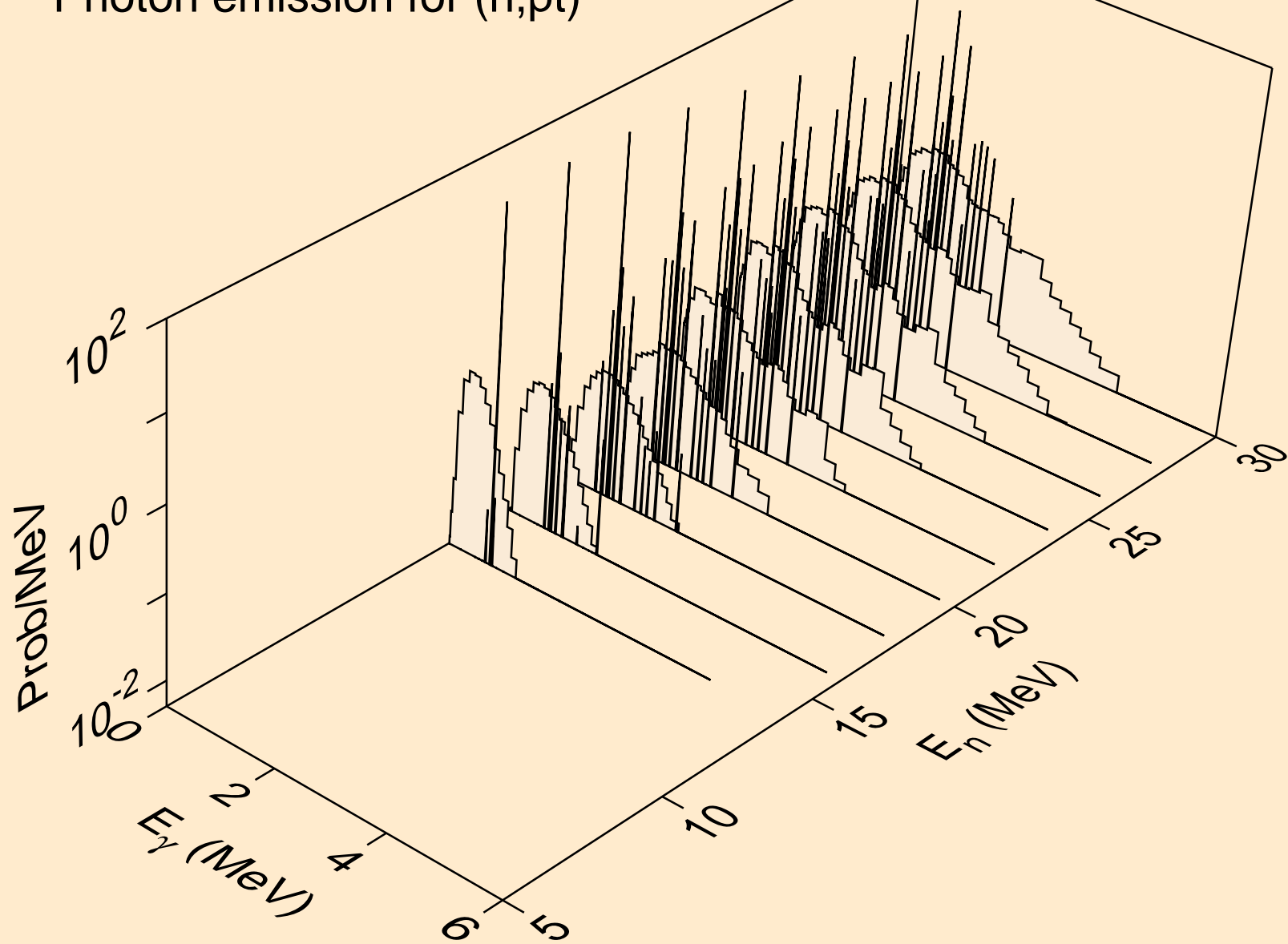




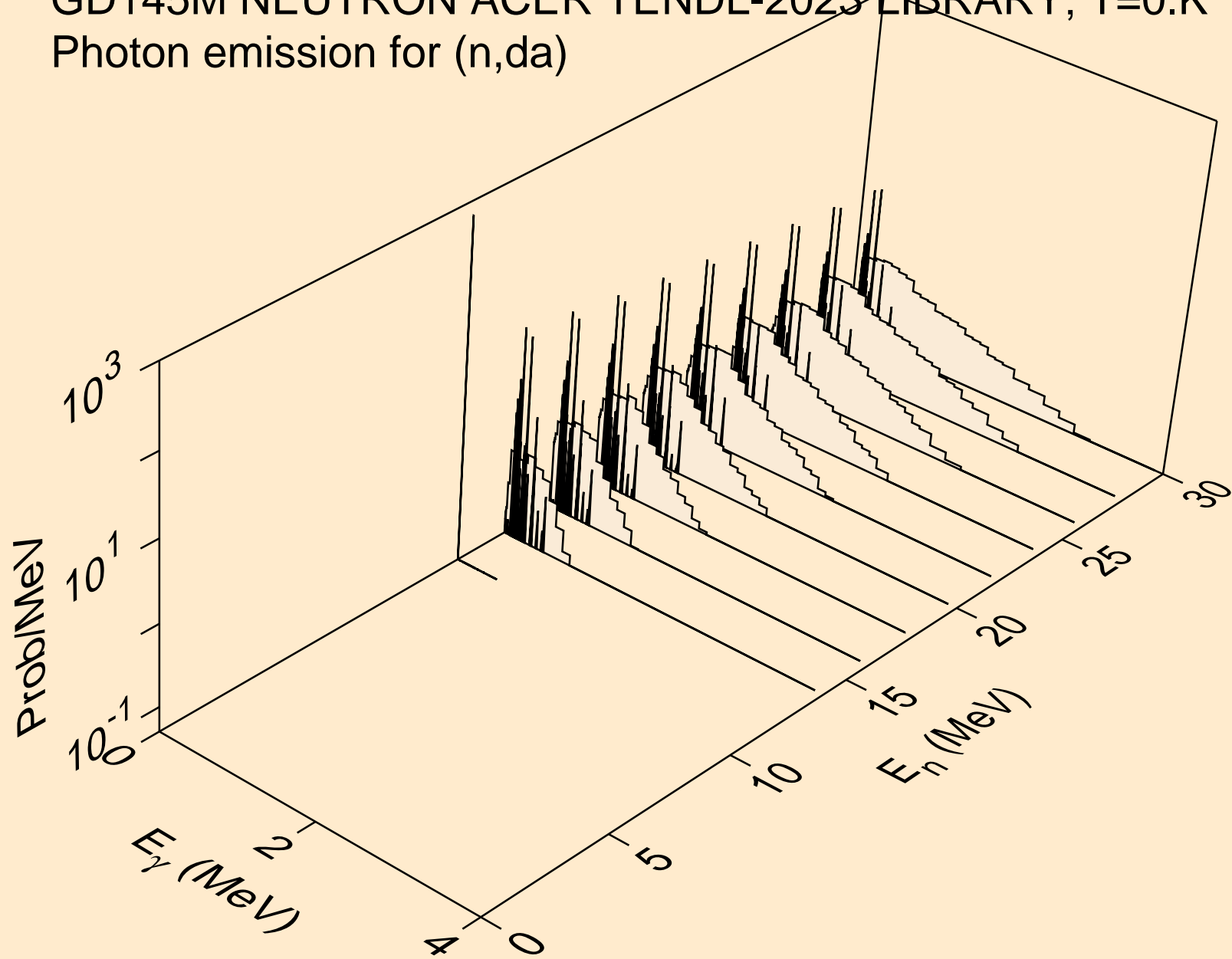
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Photon emission for (n,pd)



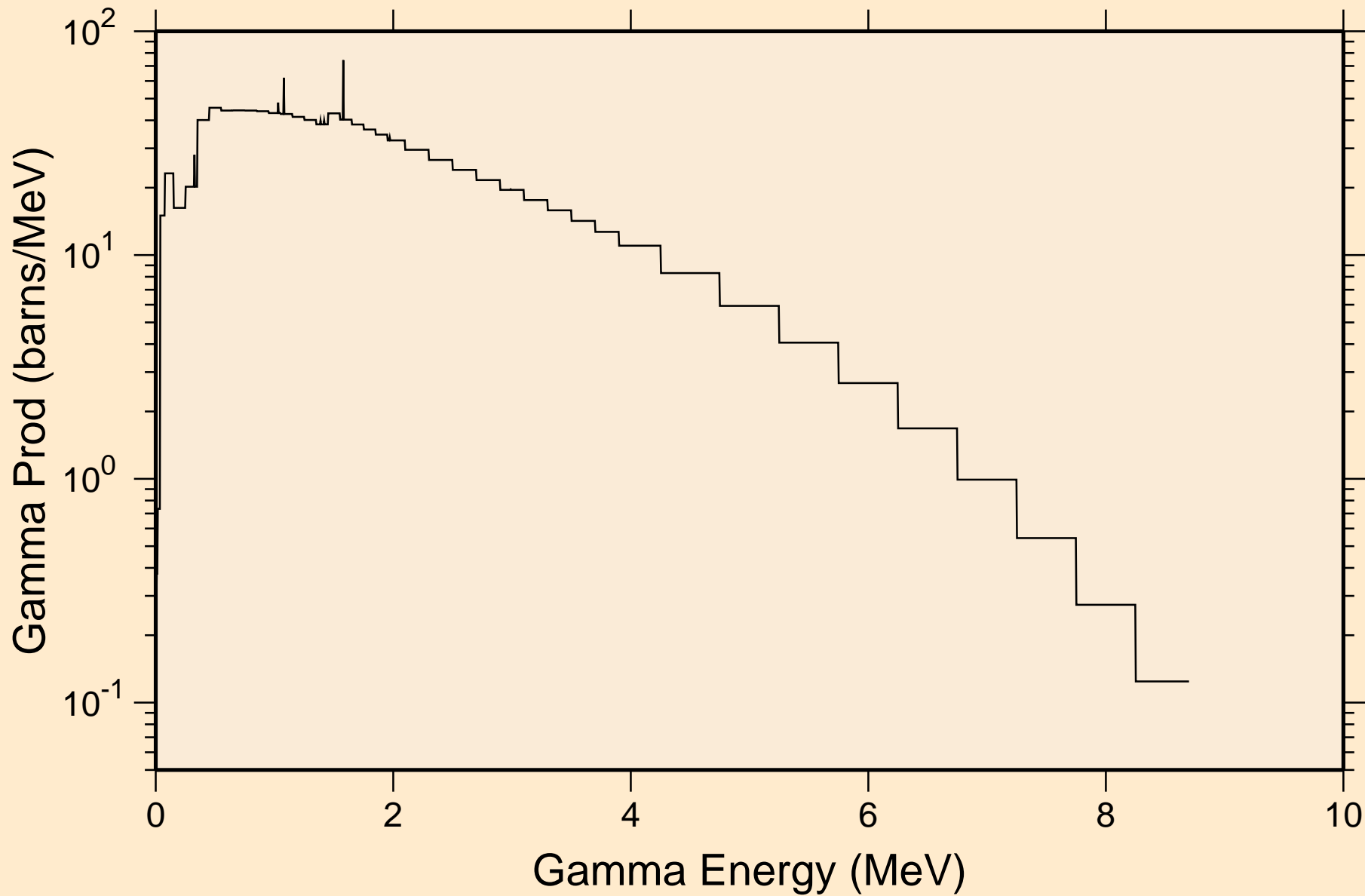
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Photon emission for (n,pt)



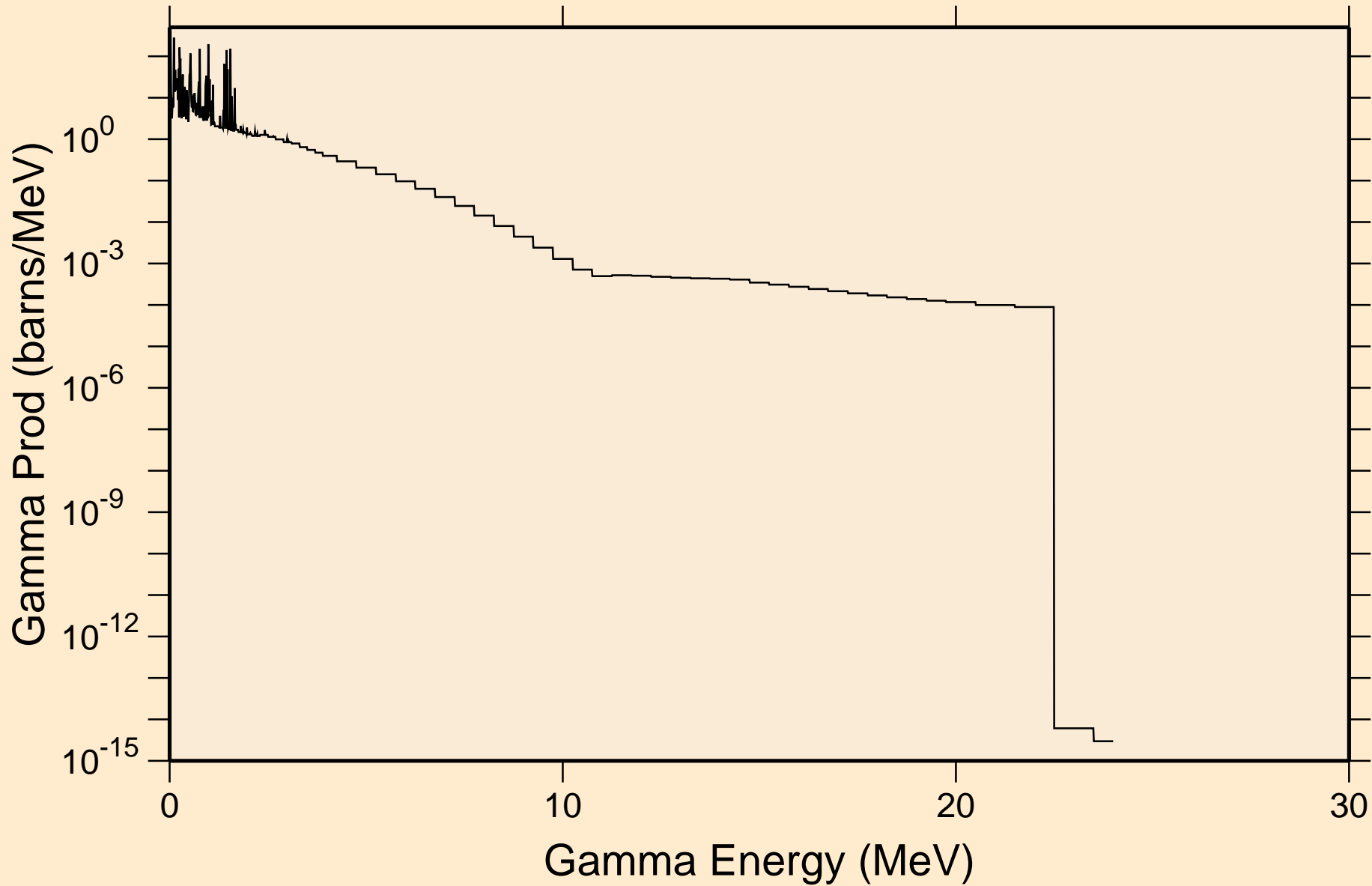
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Photon emission for (n,da)



GD145M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
thermal capture photon spectrum

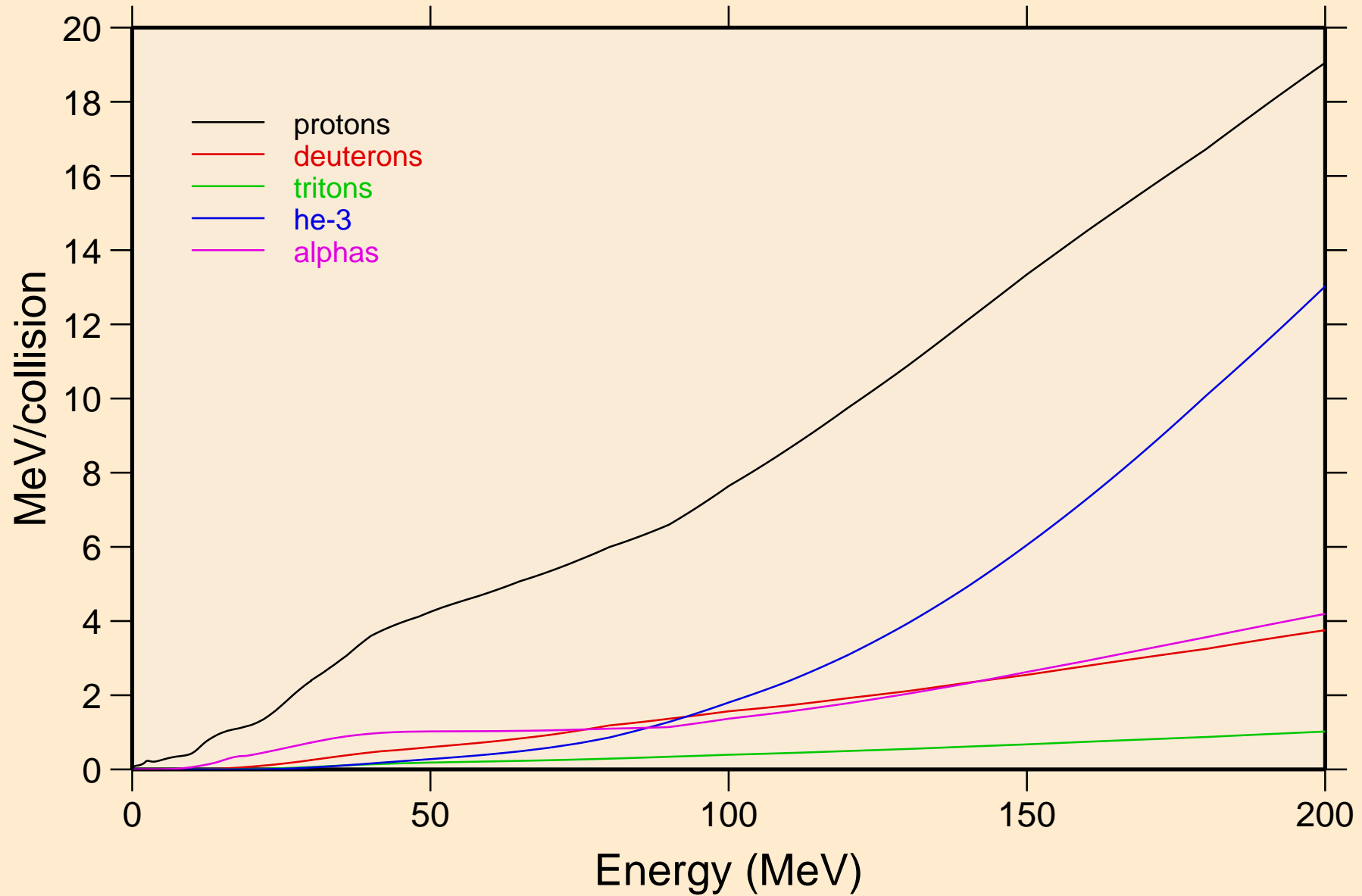


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14 MeV photon spectrum

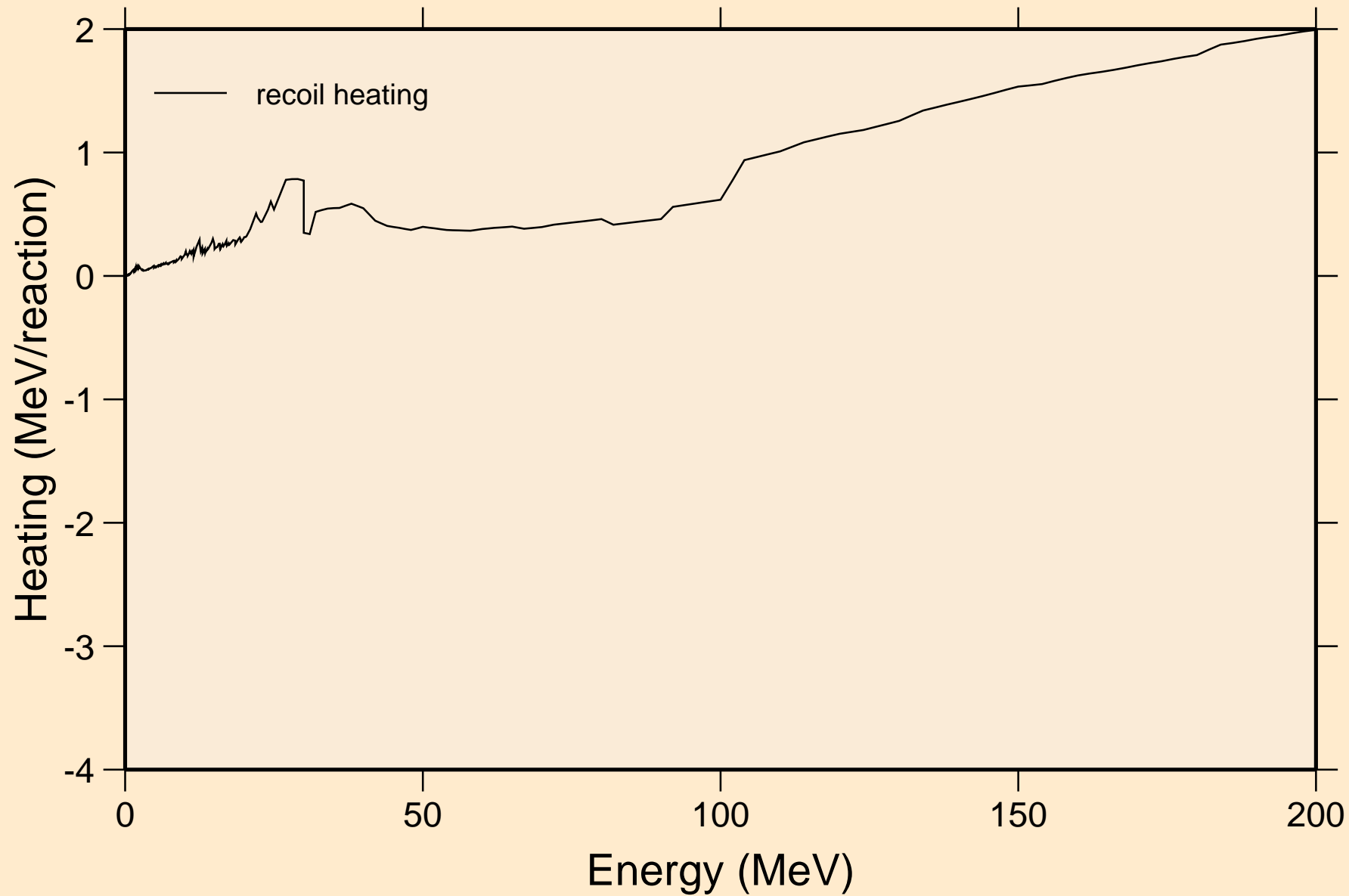


# GD145M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Particle heating contributions

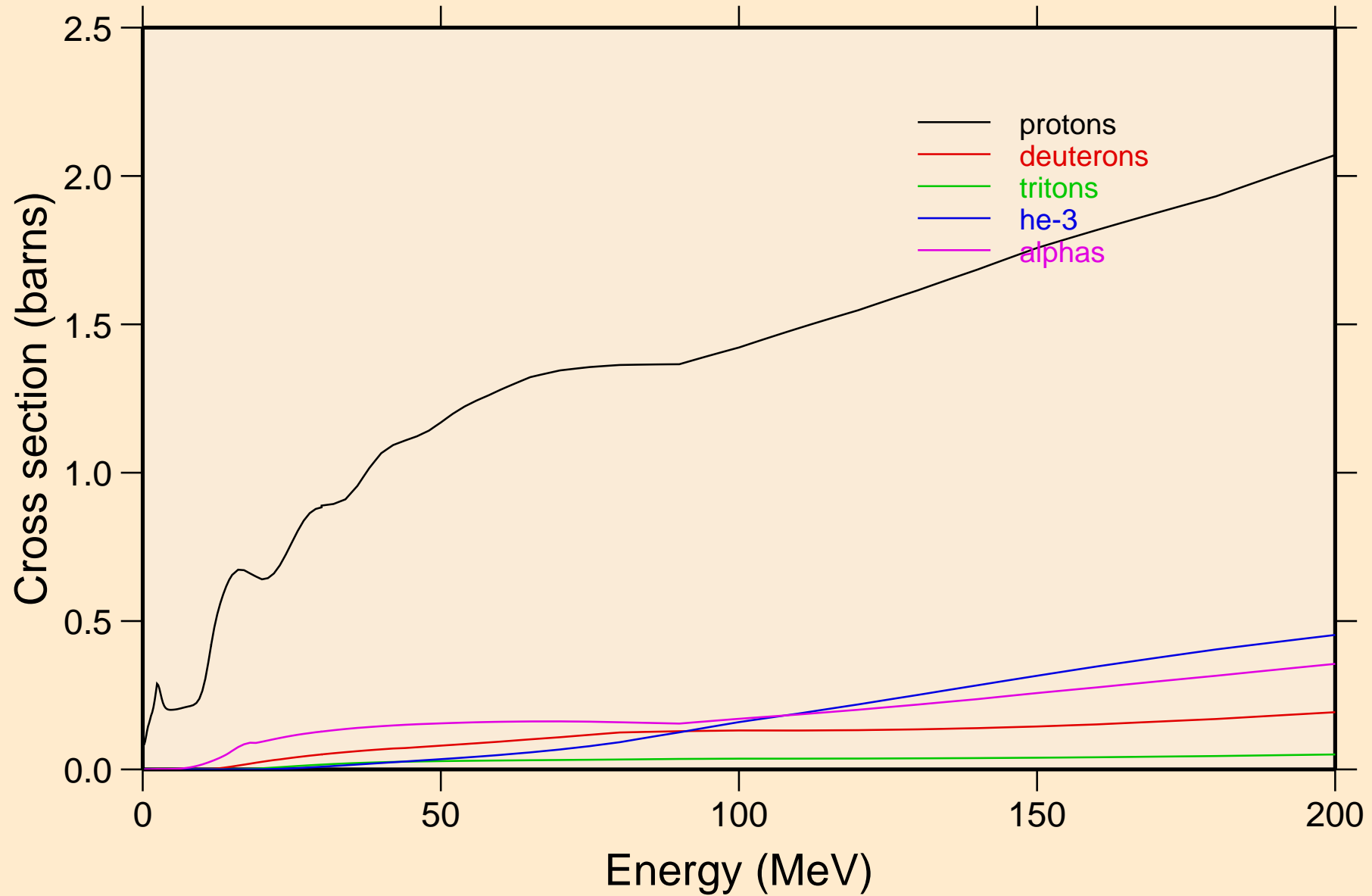


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Recoil Heating



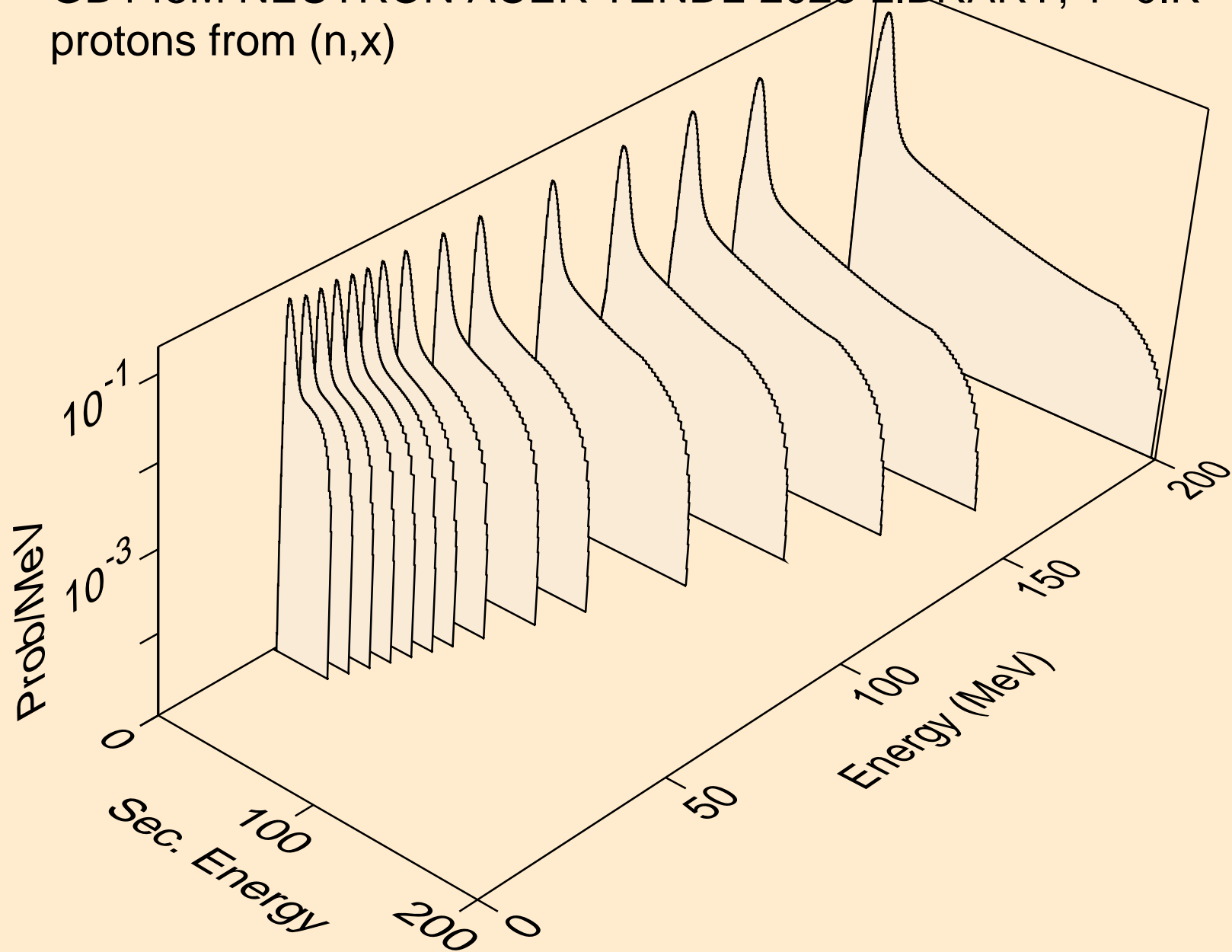
# GD145M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Particle production cross sections

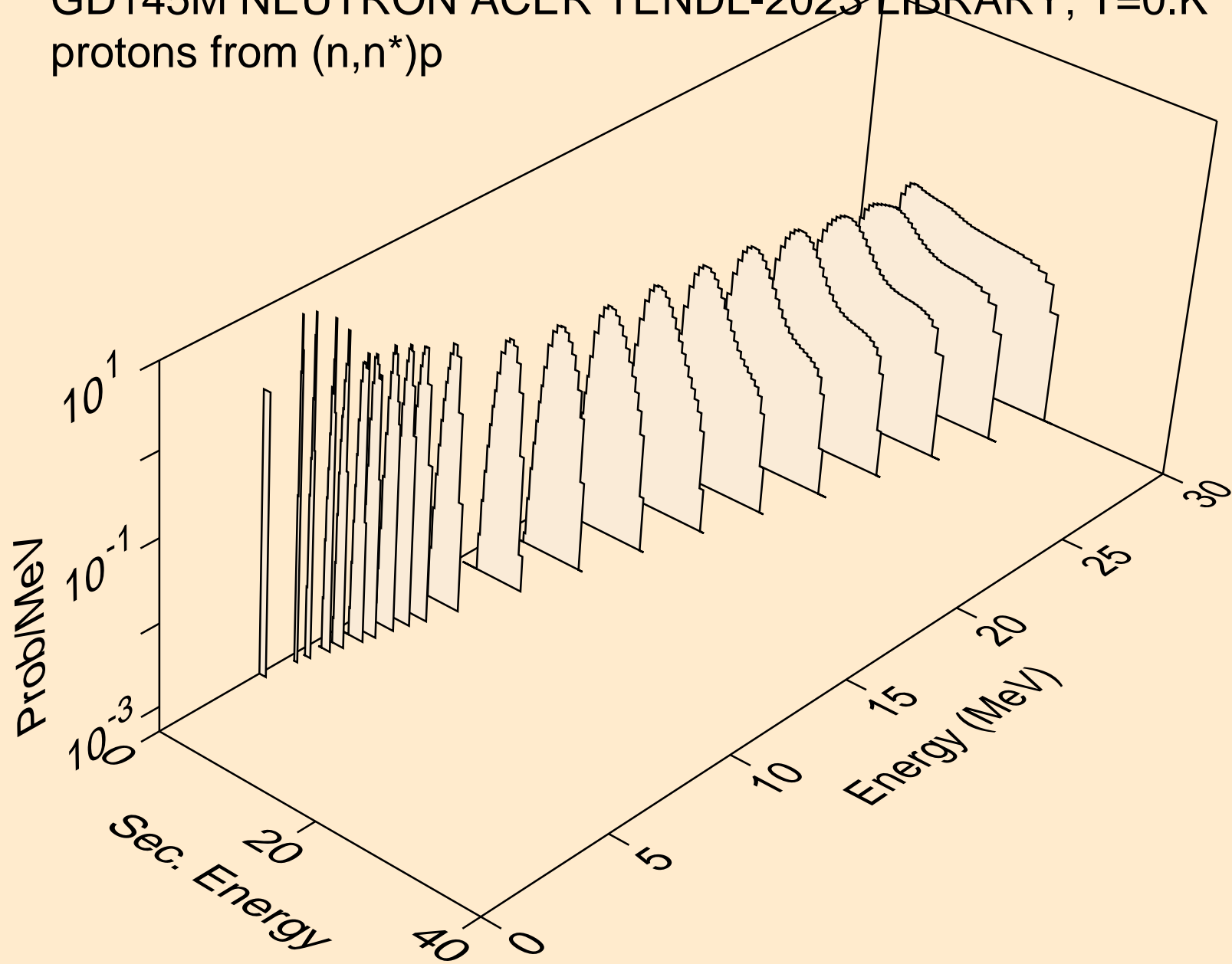




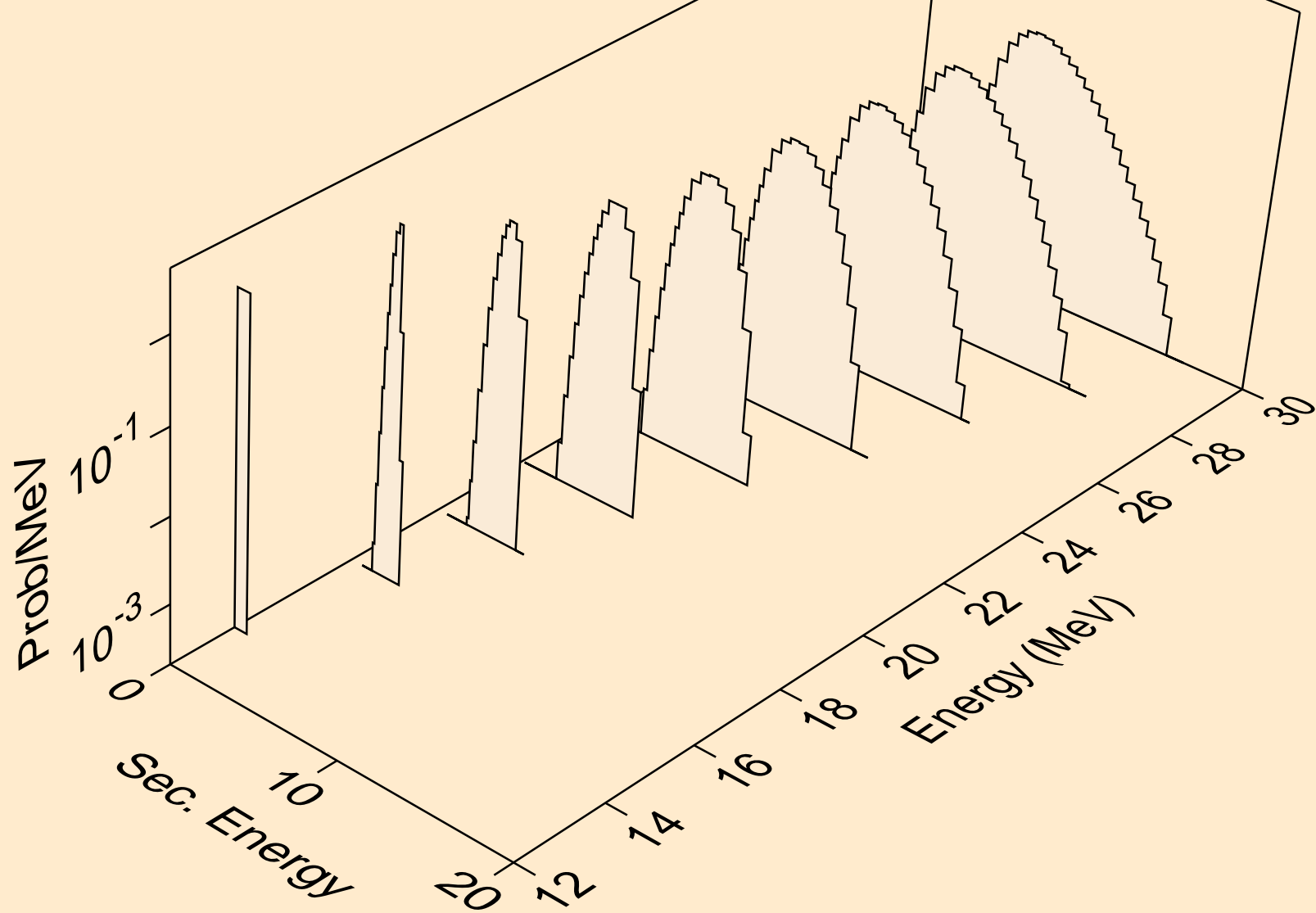
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protons from (n,x)



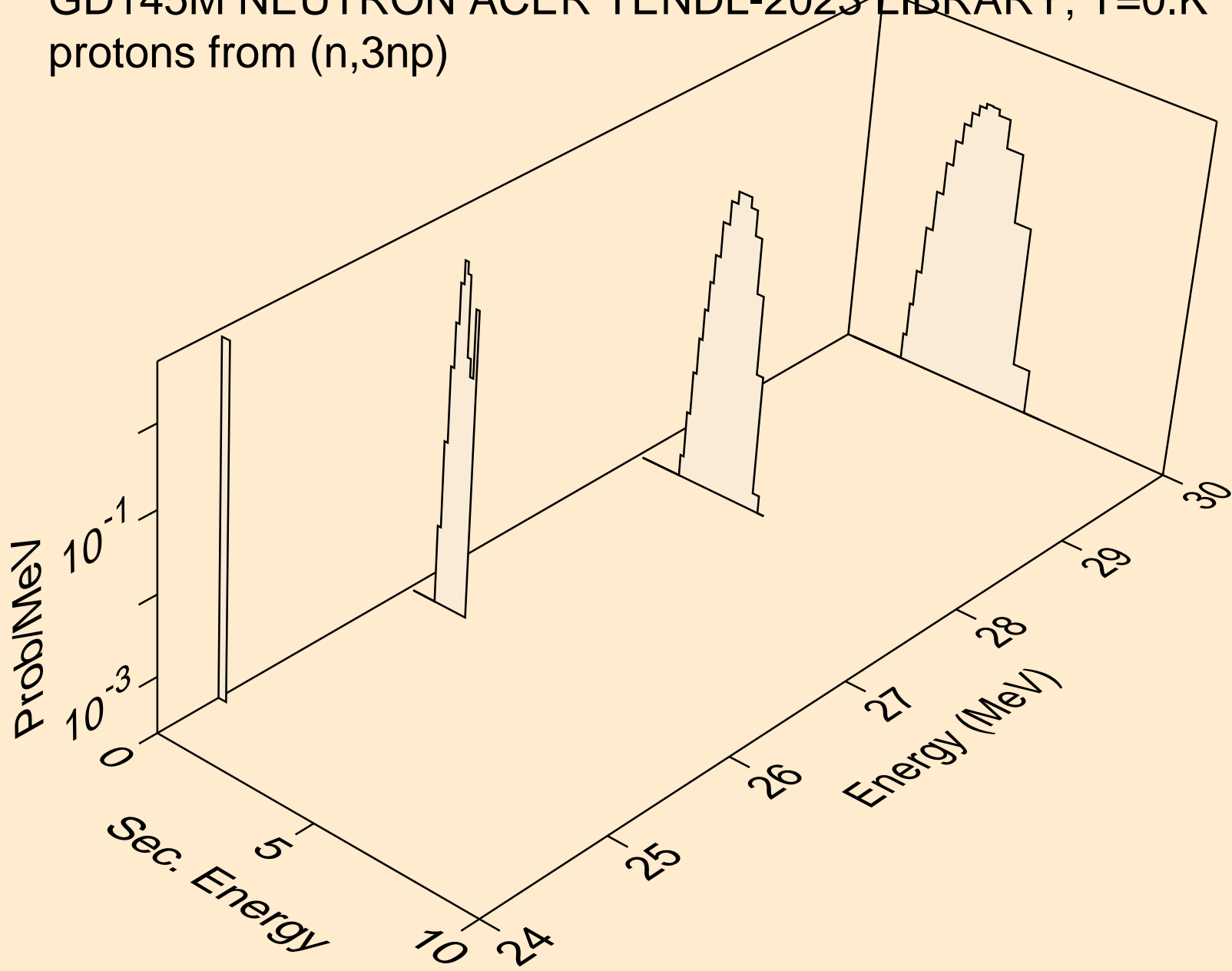
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protons from (n,n\*)p



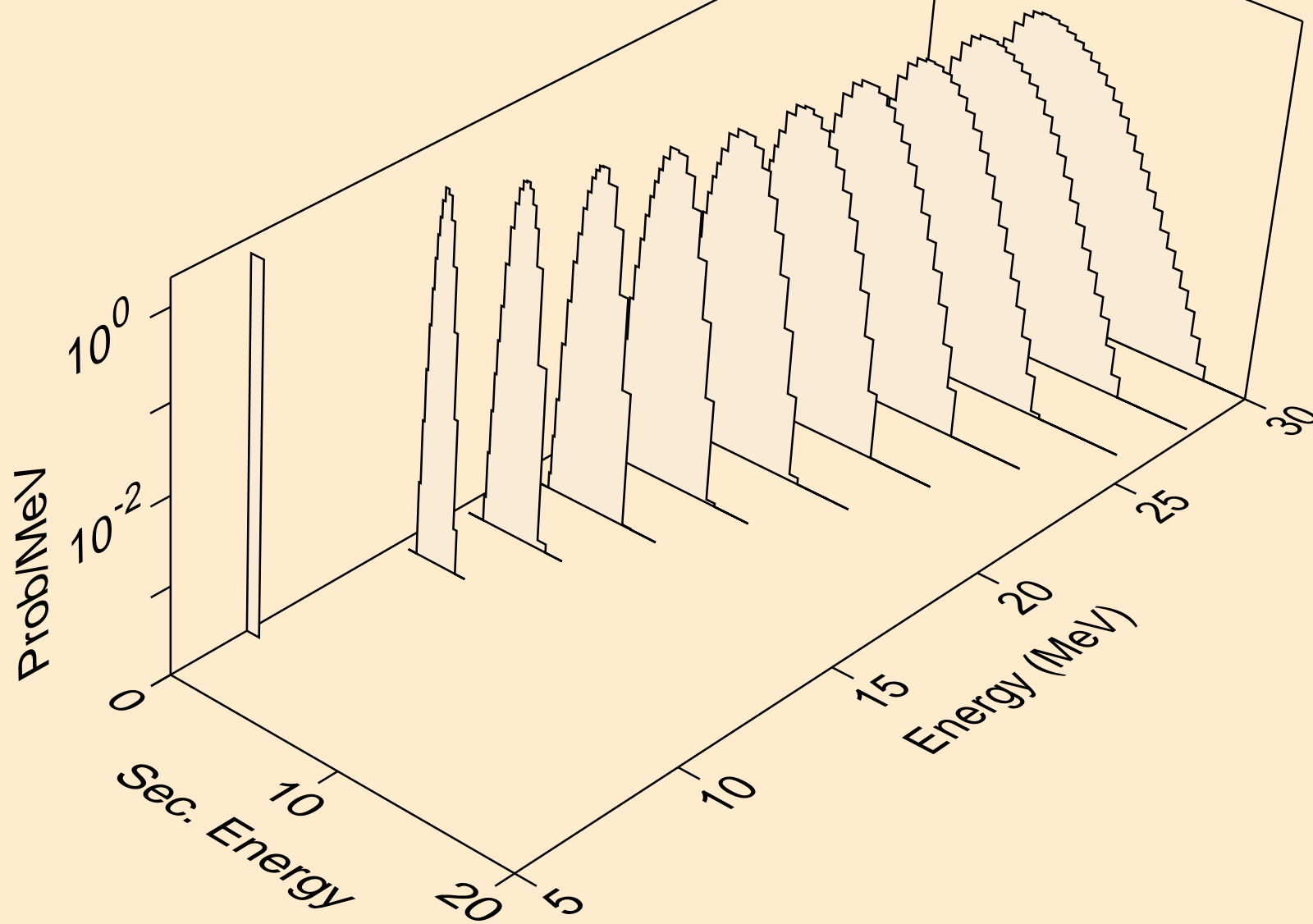
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protons from (n,2np)



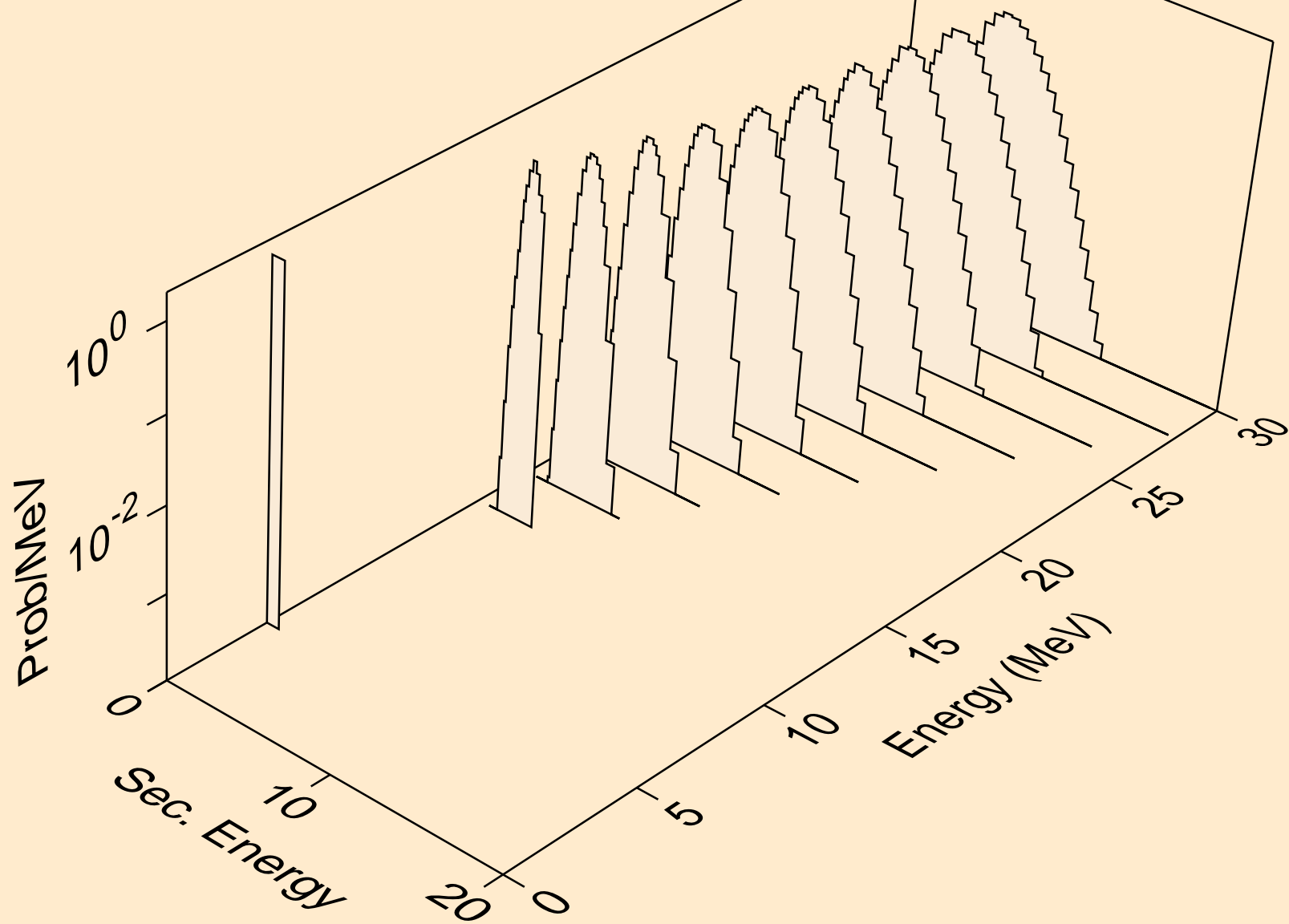
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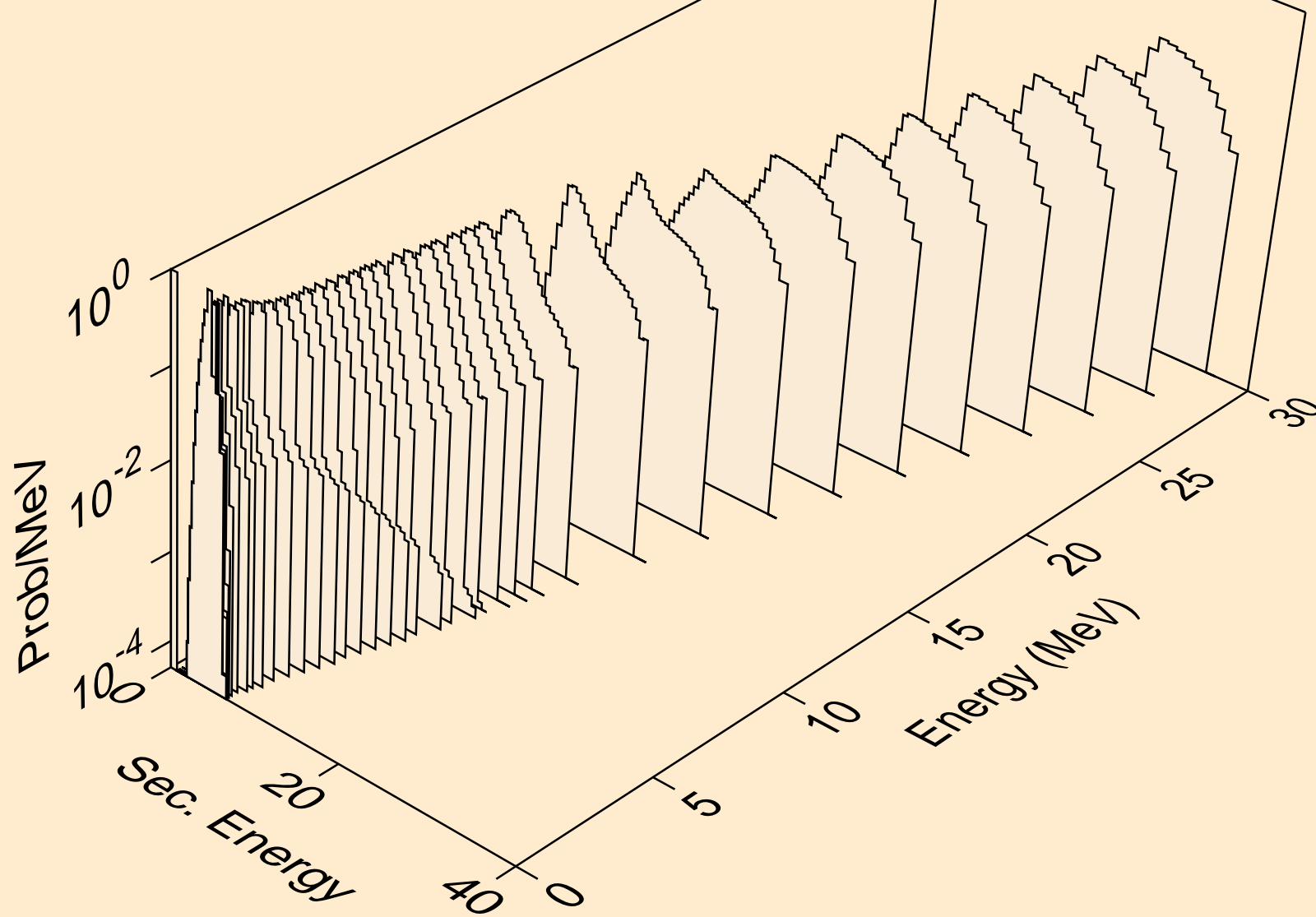
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protons from (n,n2p)



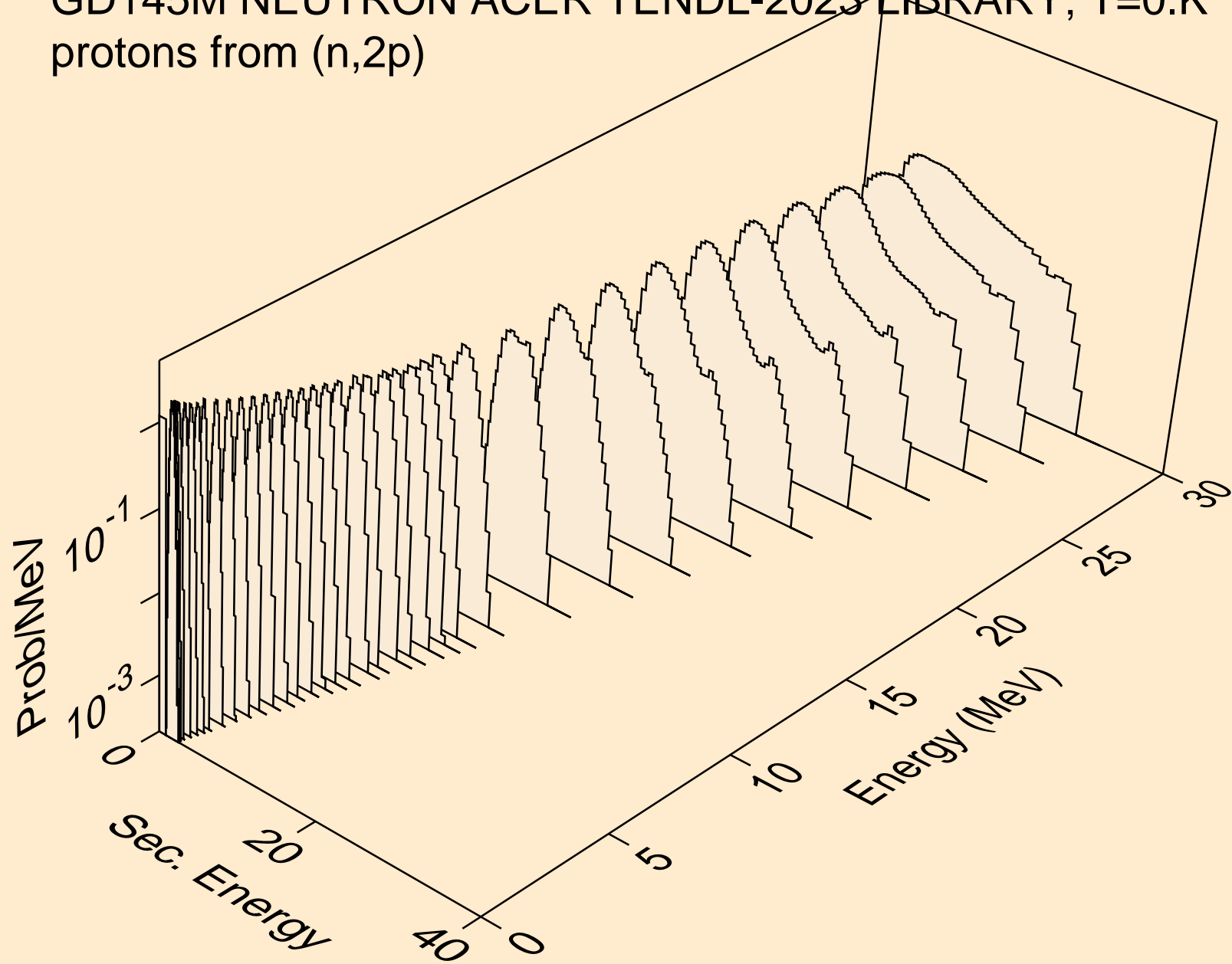
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protons from (n,npa)



GD145M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,p)

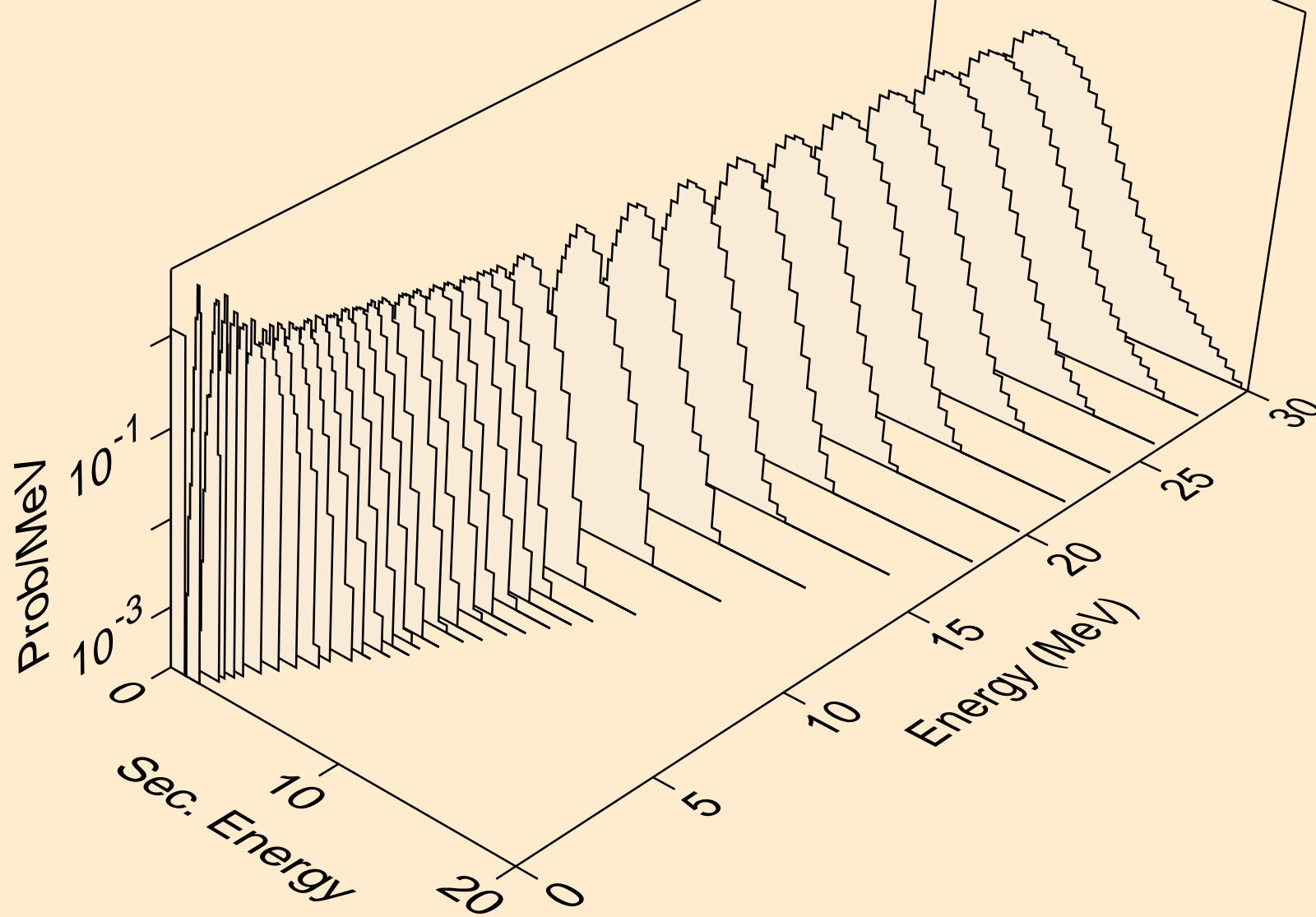


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protons from (n,2p)

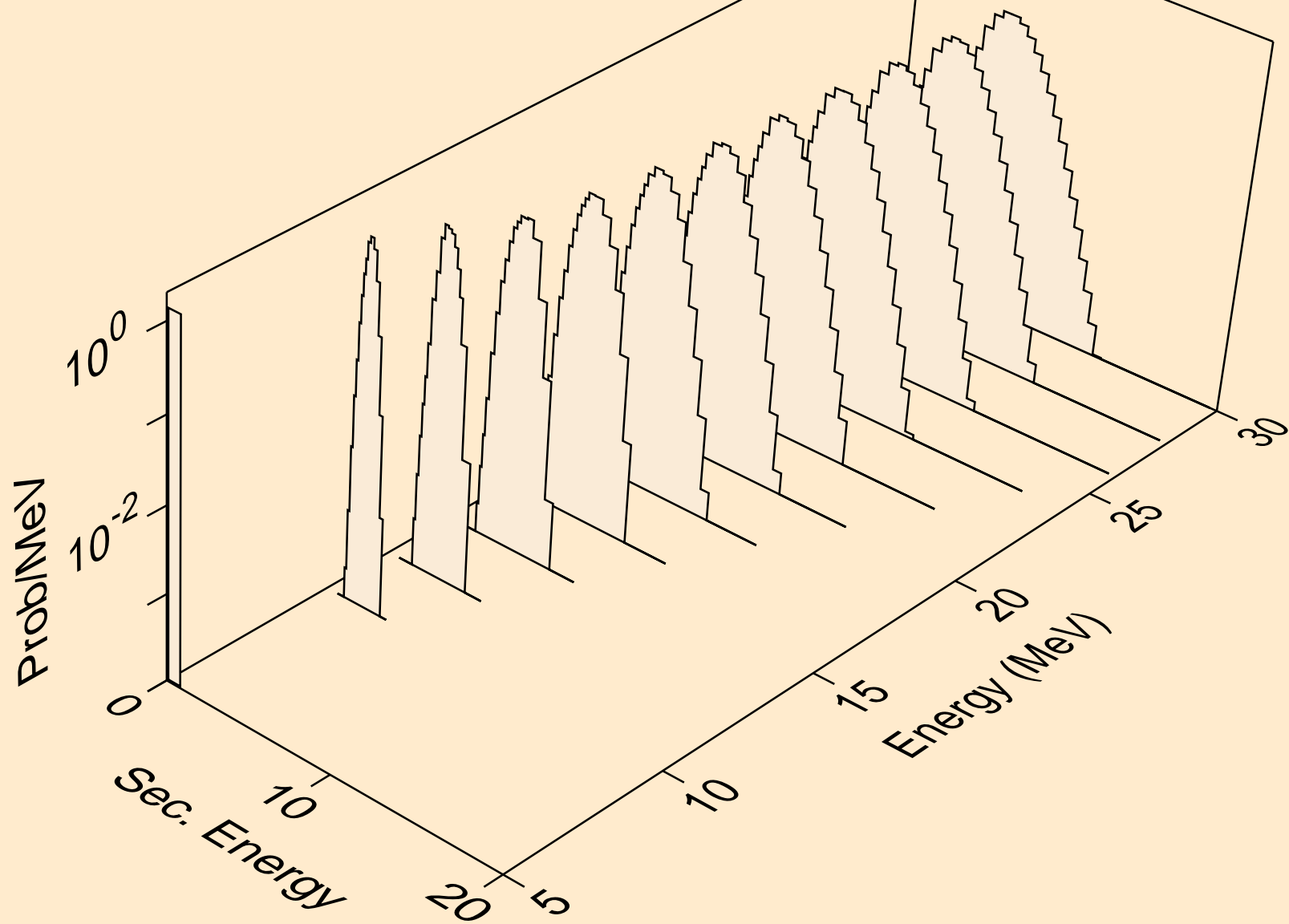




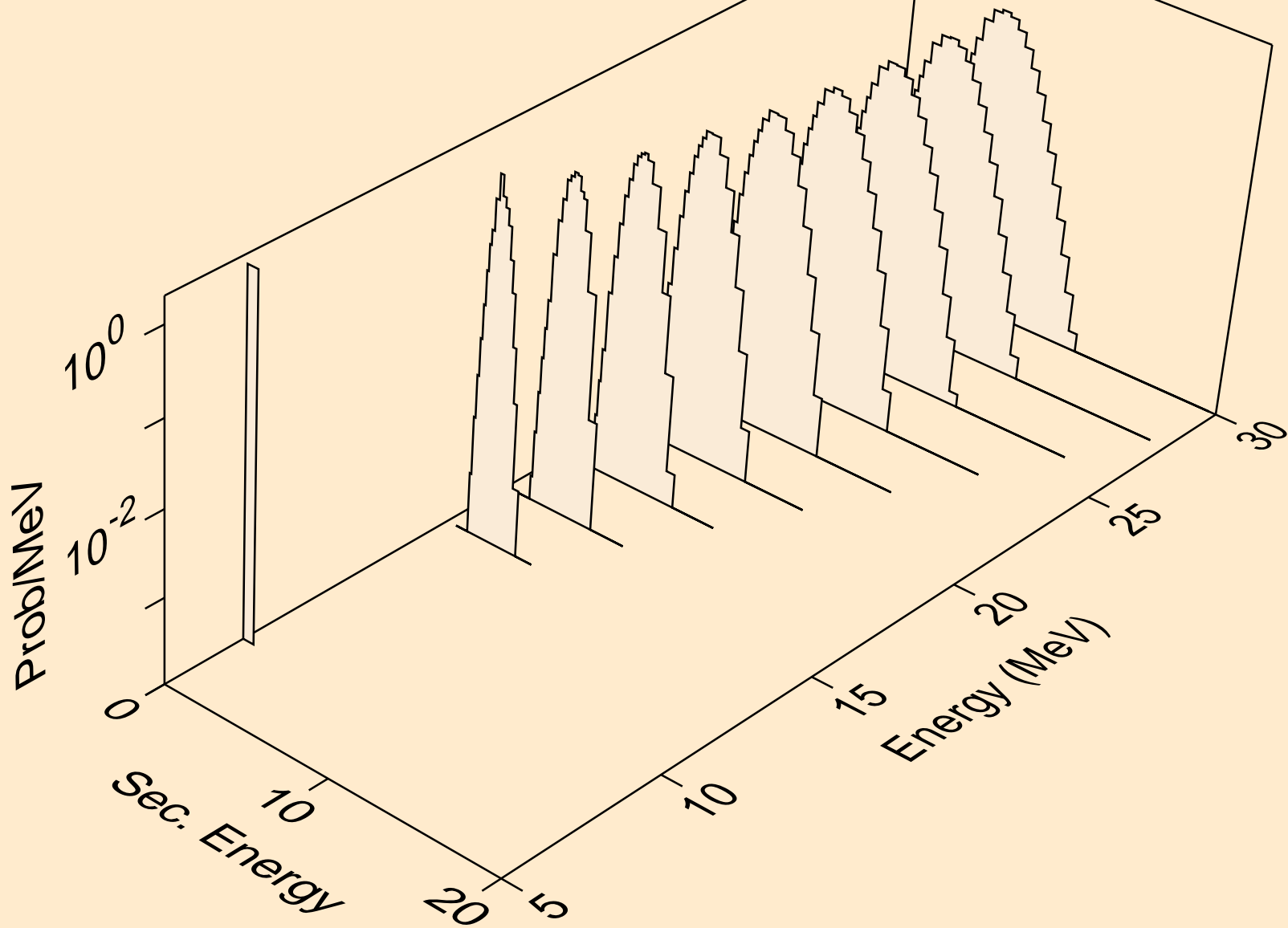
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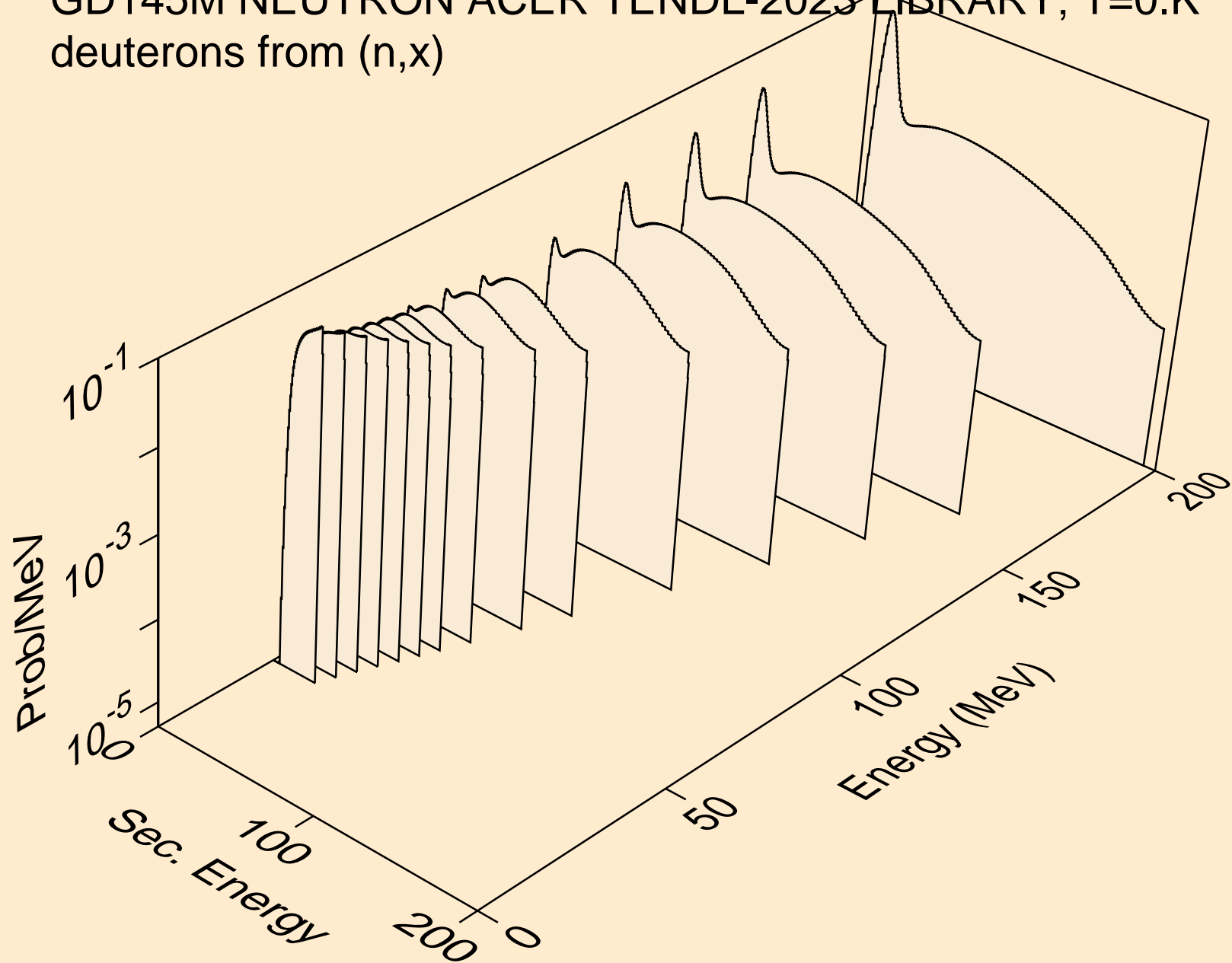
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protons from (n,pd)



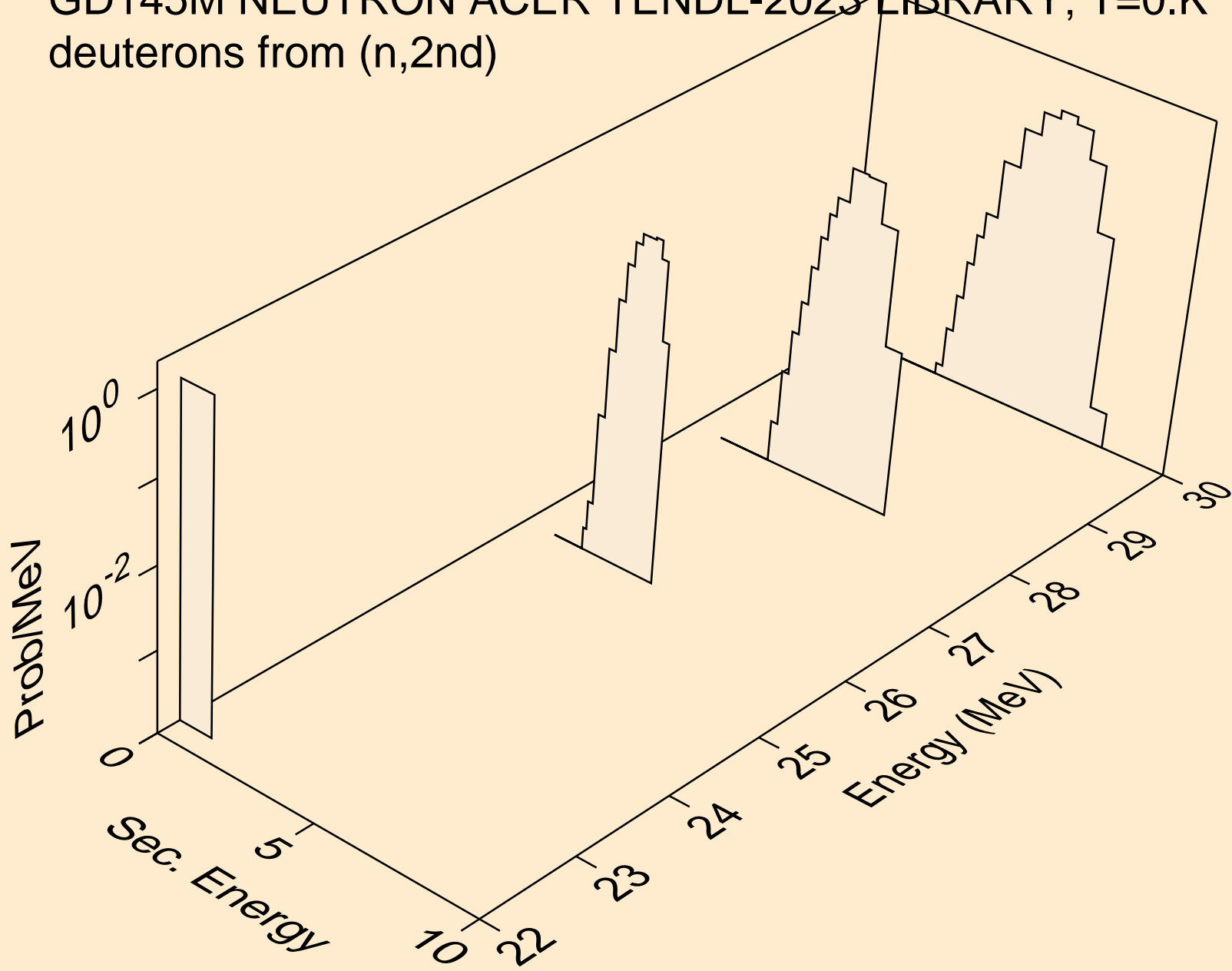
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protons from (n,pt)



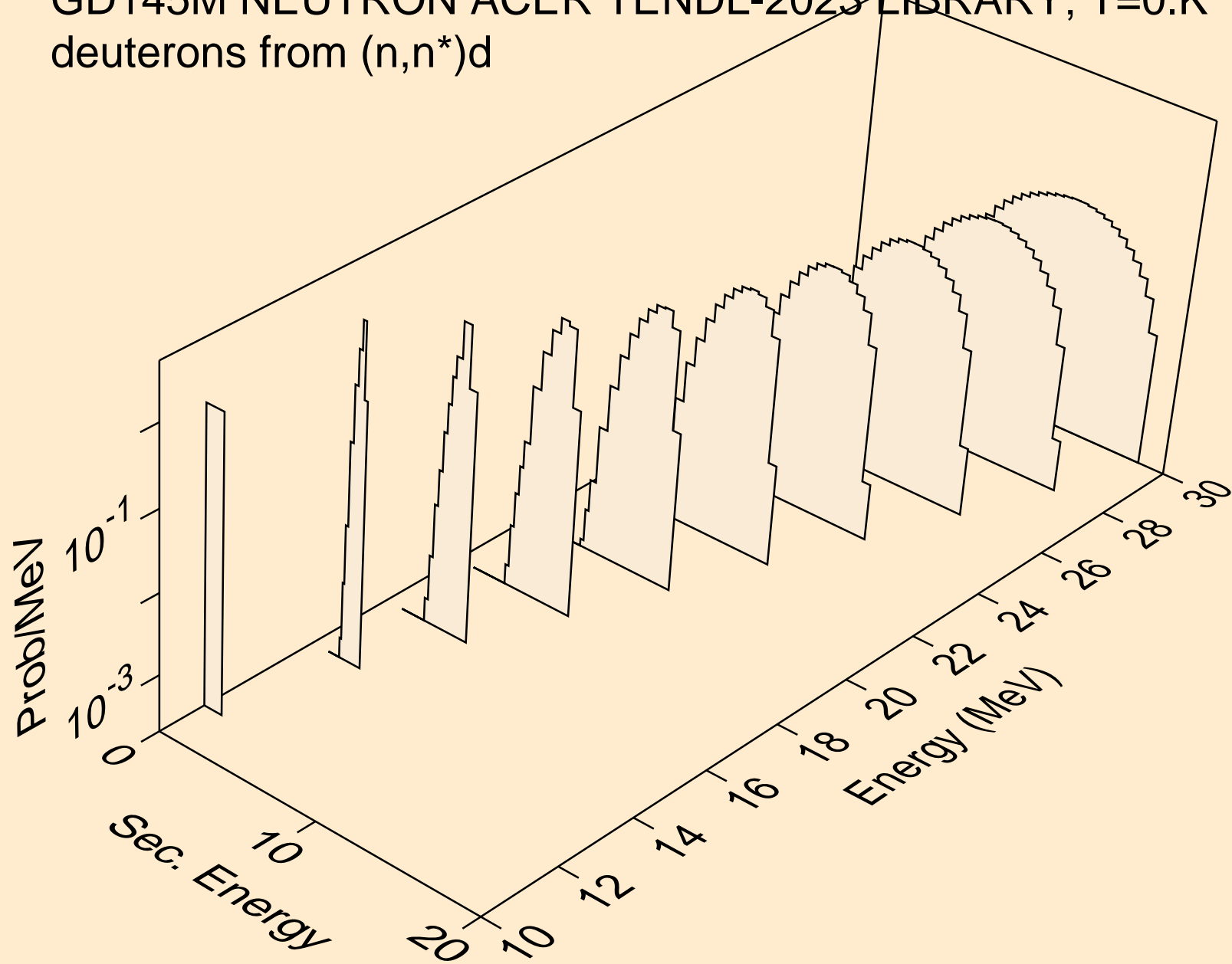
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deuterons from (n,x)



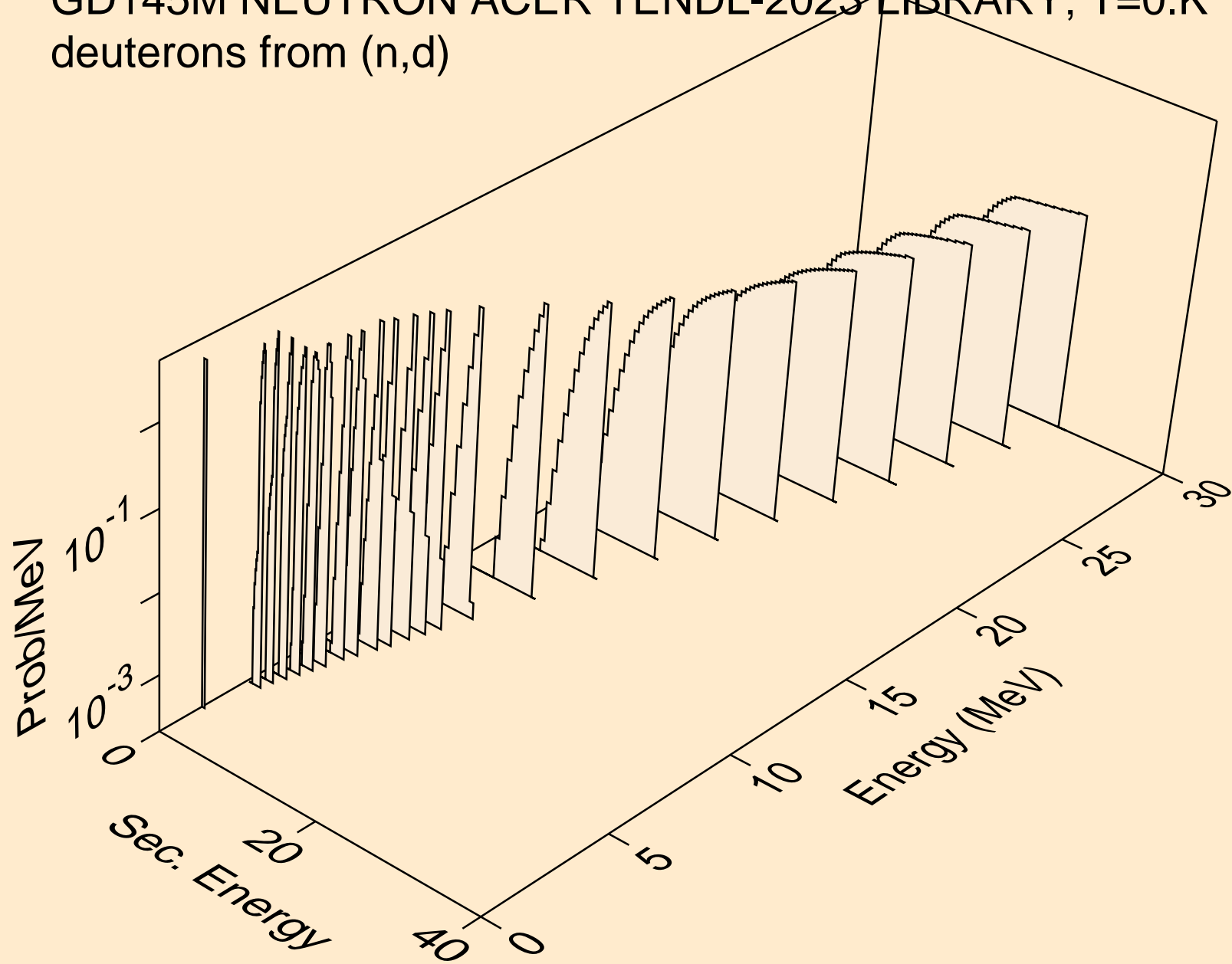
GD145M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,2nd)



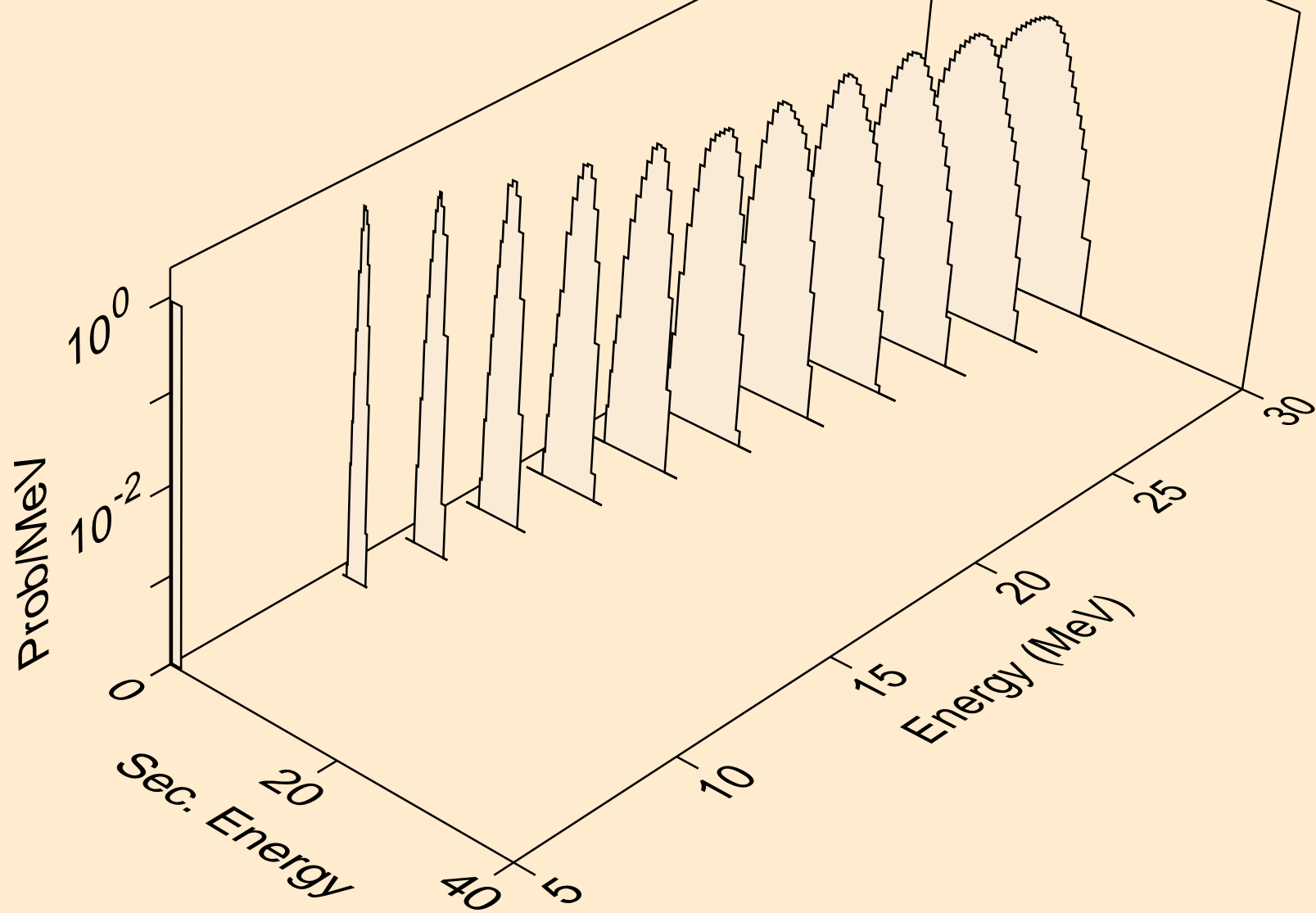
GD145M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,n\*)d



GD145M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,d)

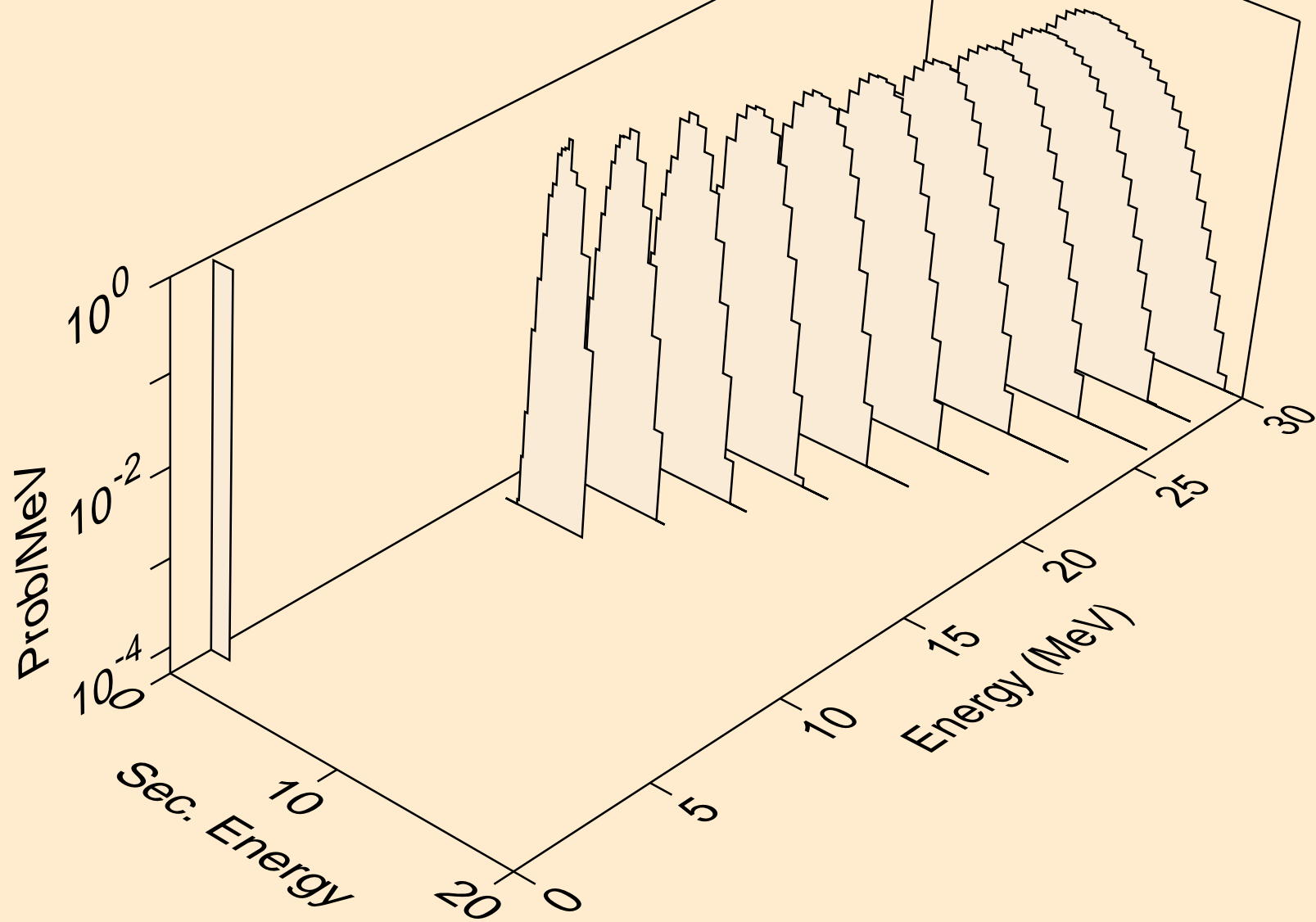


GD145M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,pd)

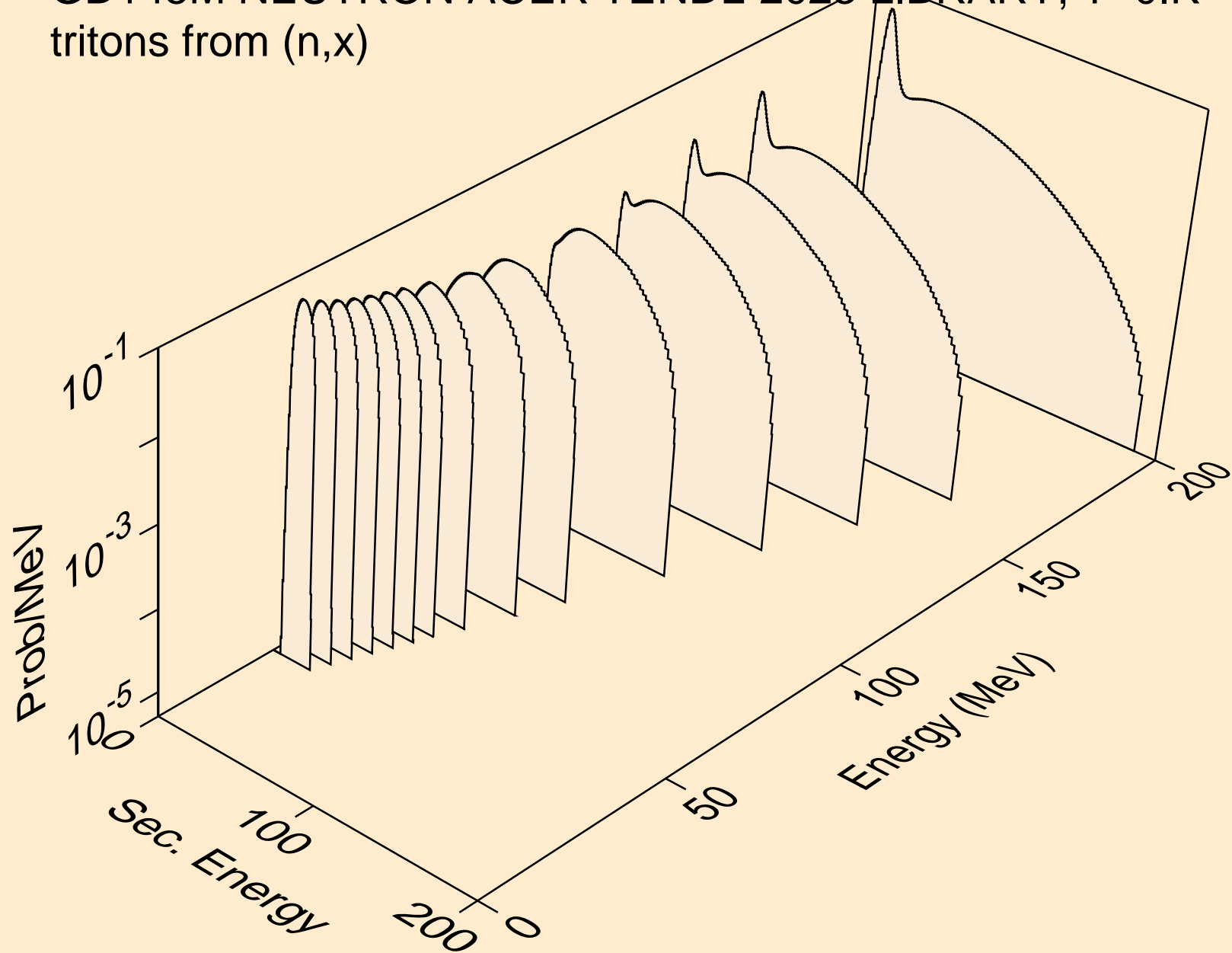




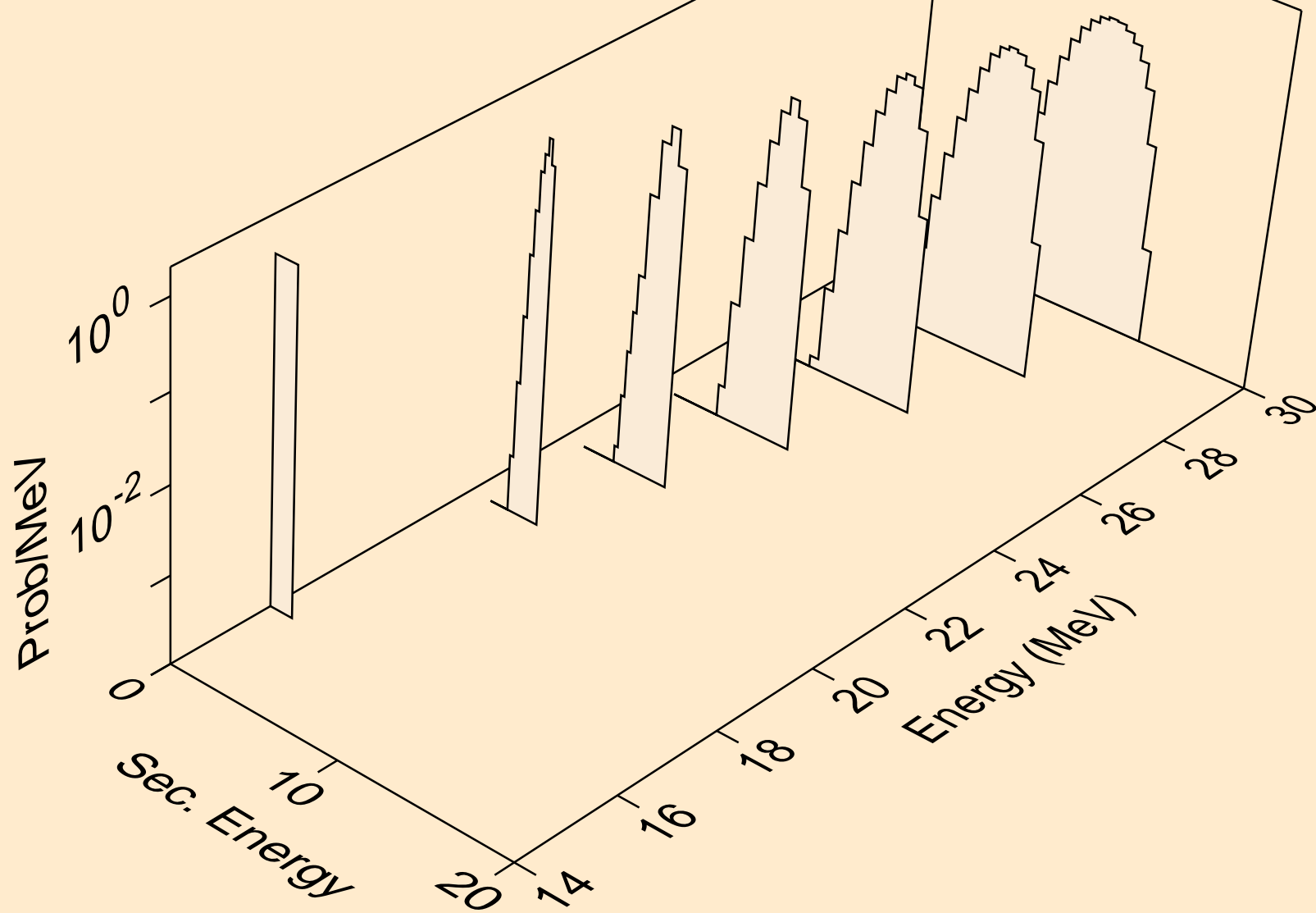
GD145M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,da)



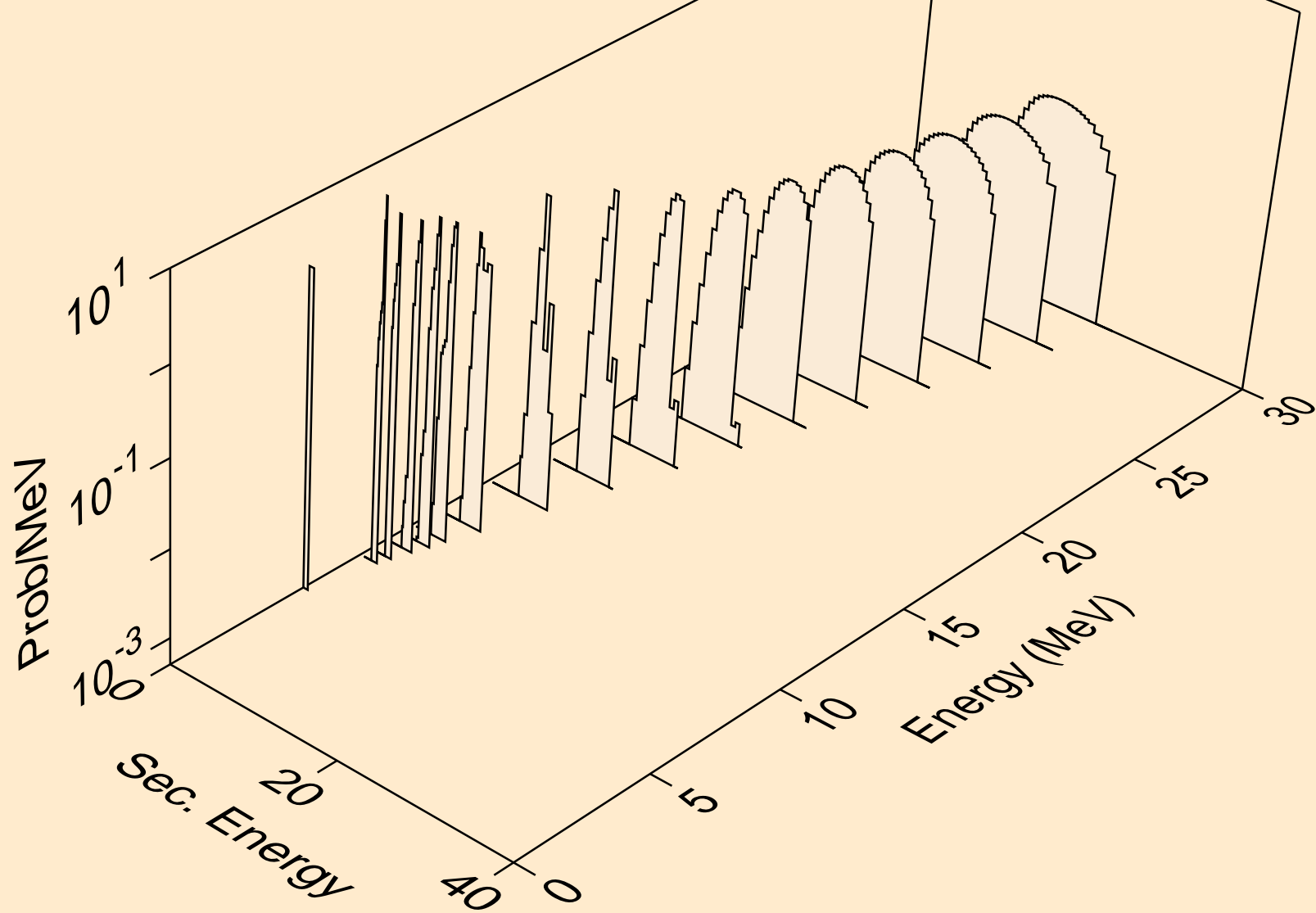
GD145M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,x)



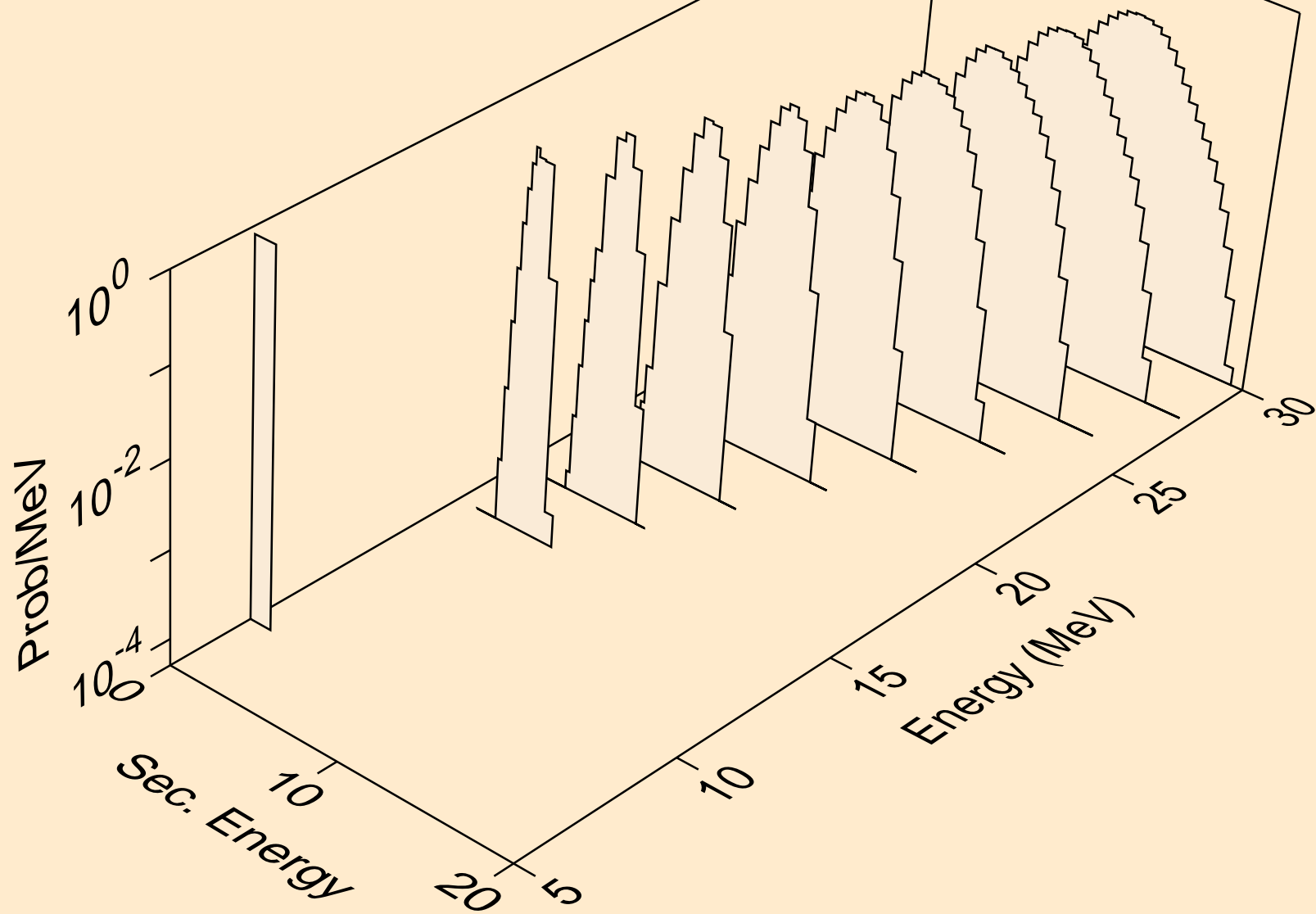
GD145M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,n\*)t



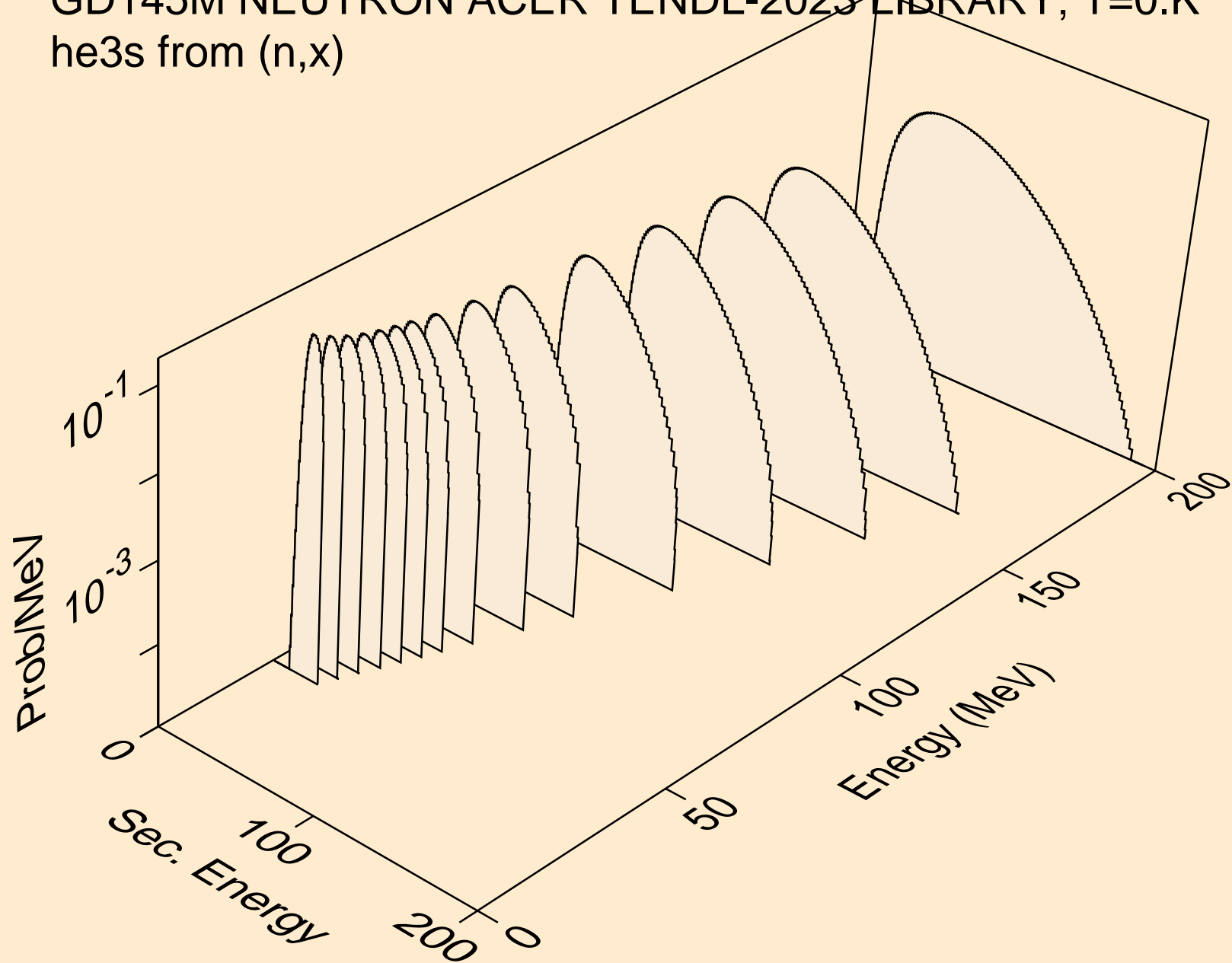
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tritons from (n,t)



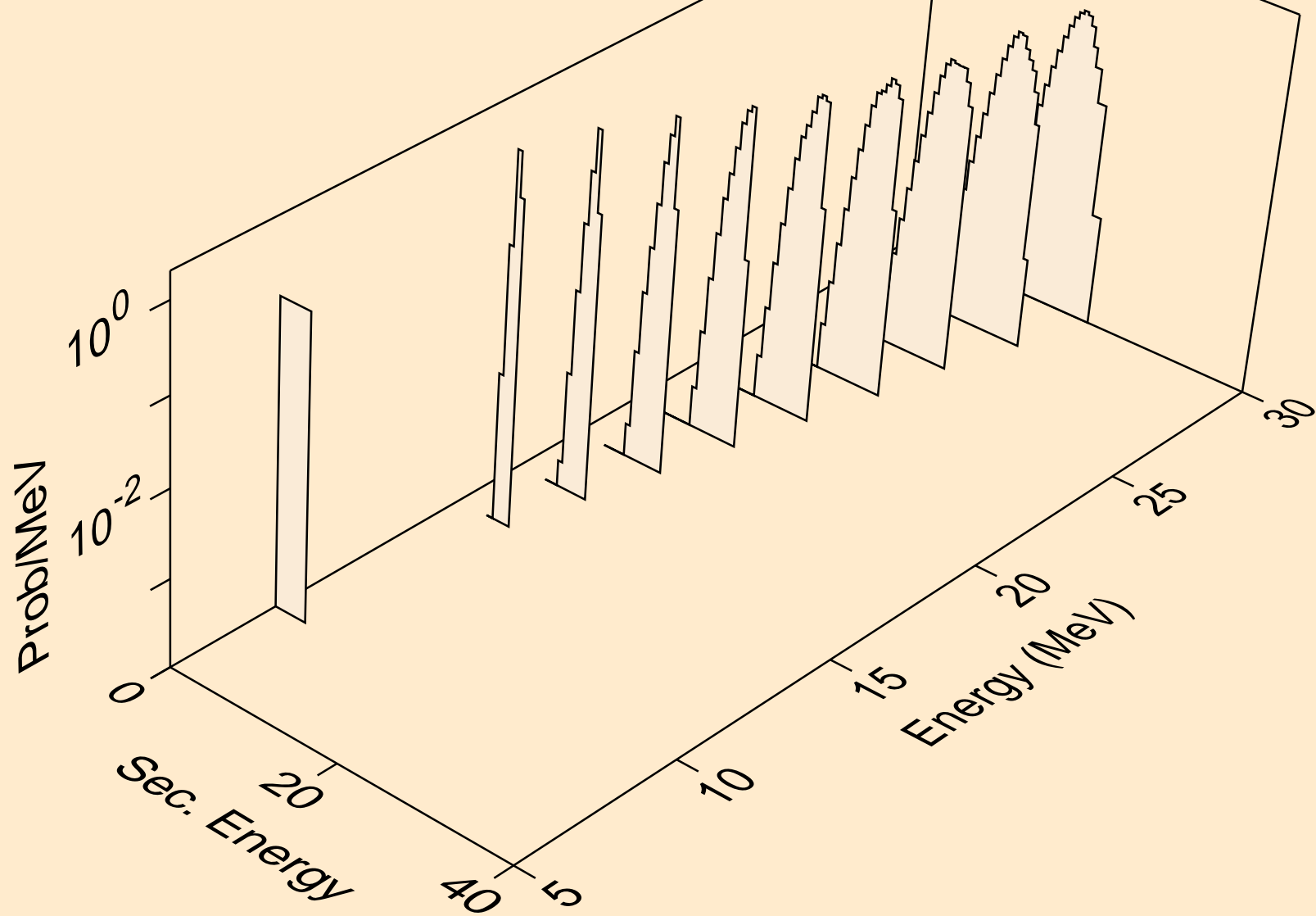
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tritons from (n,pt)



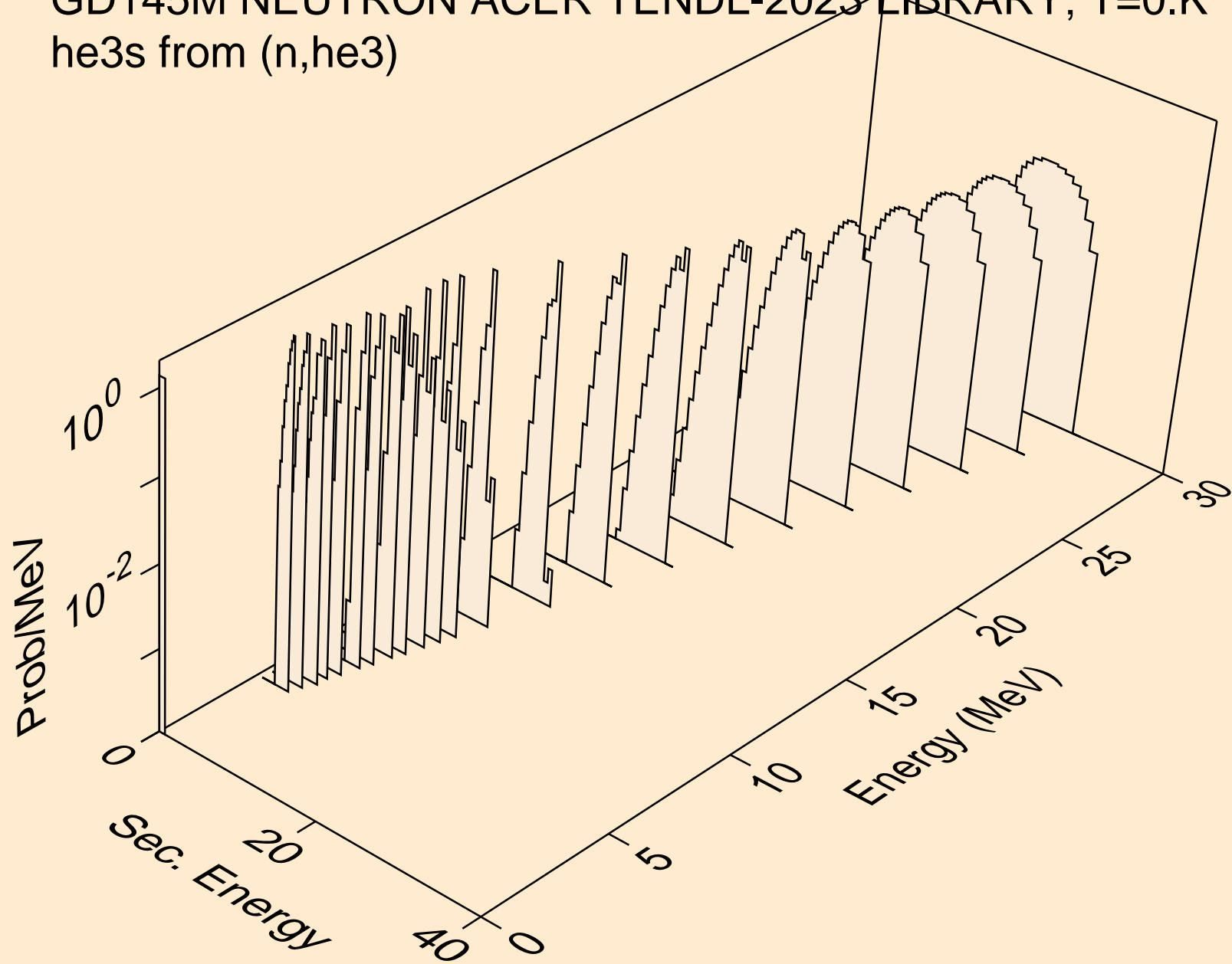
GD145M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,x)



GD145M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,n\*)he3

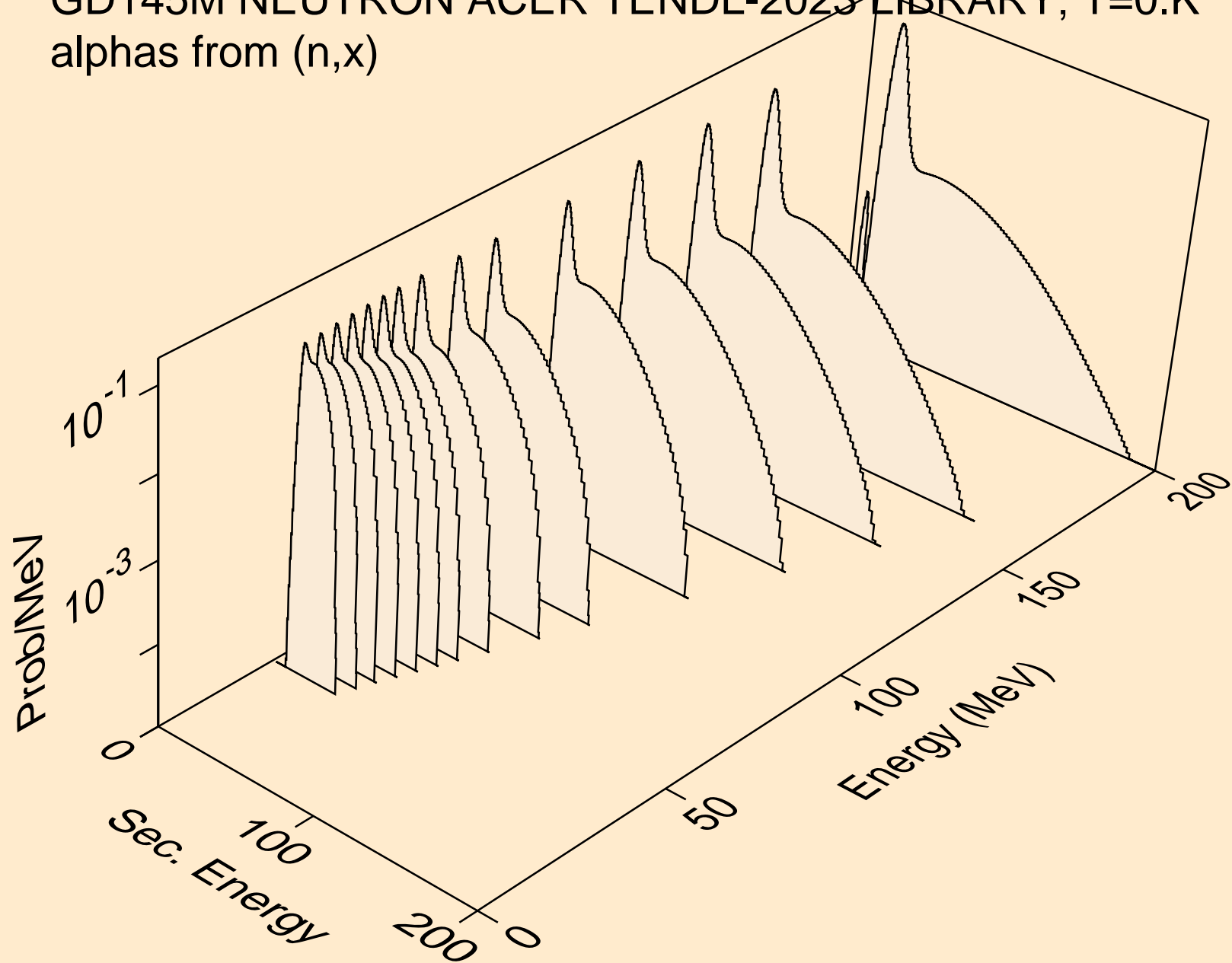


GD145M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,he3)

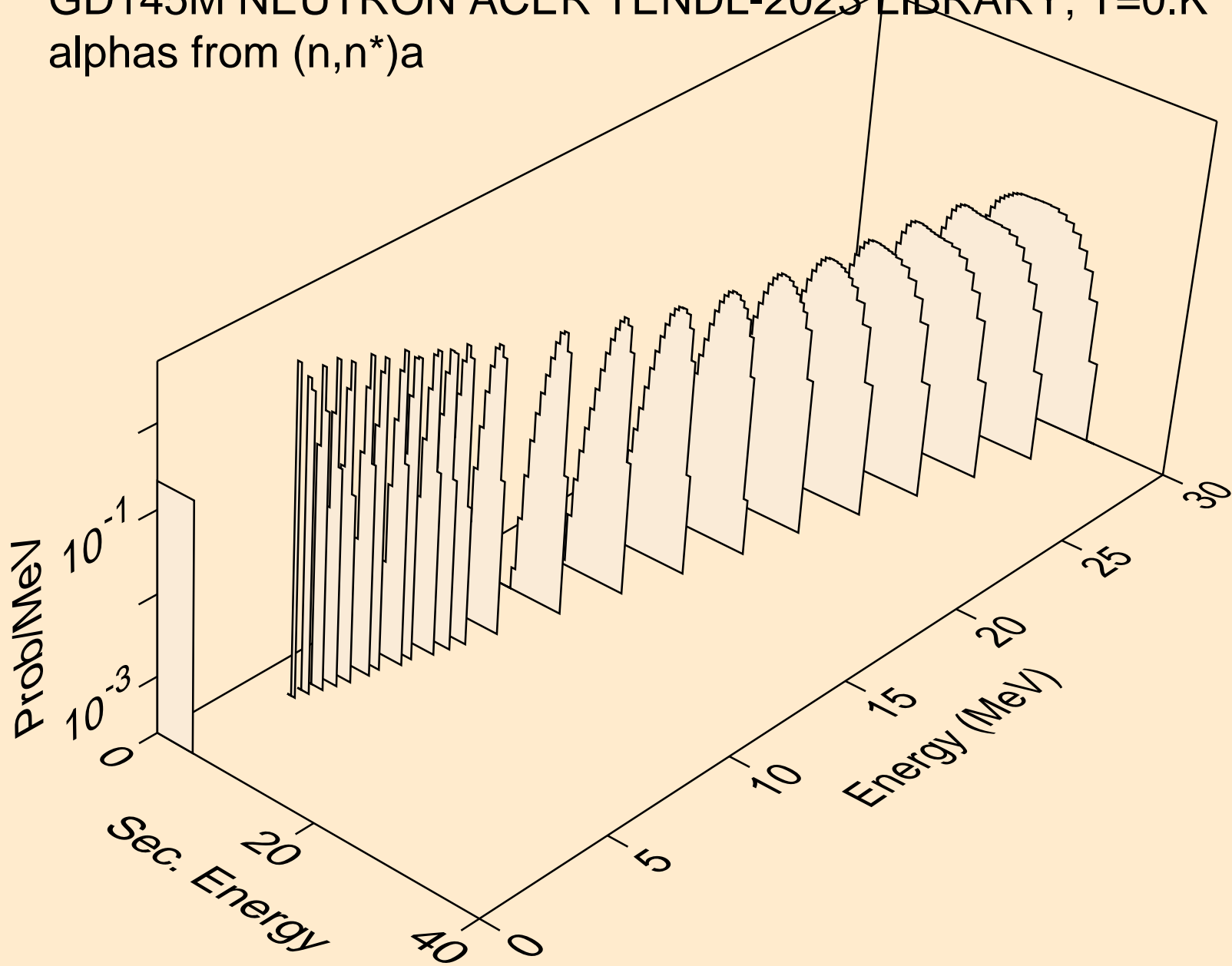




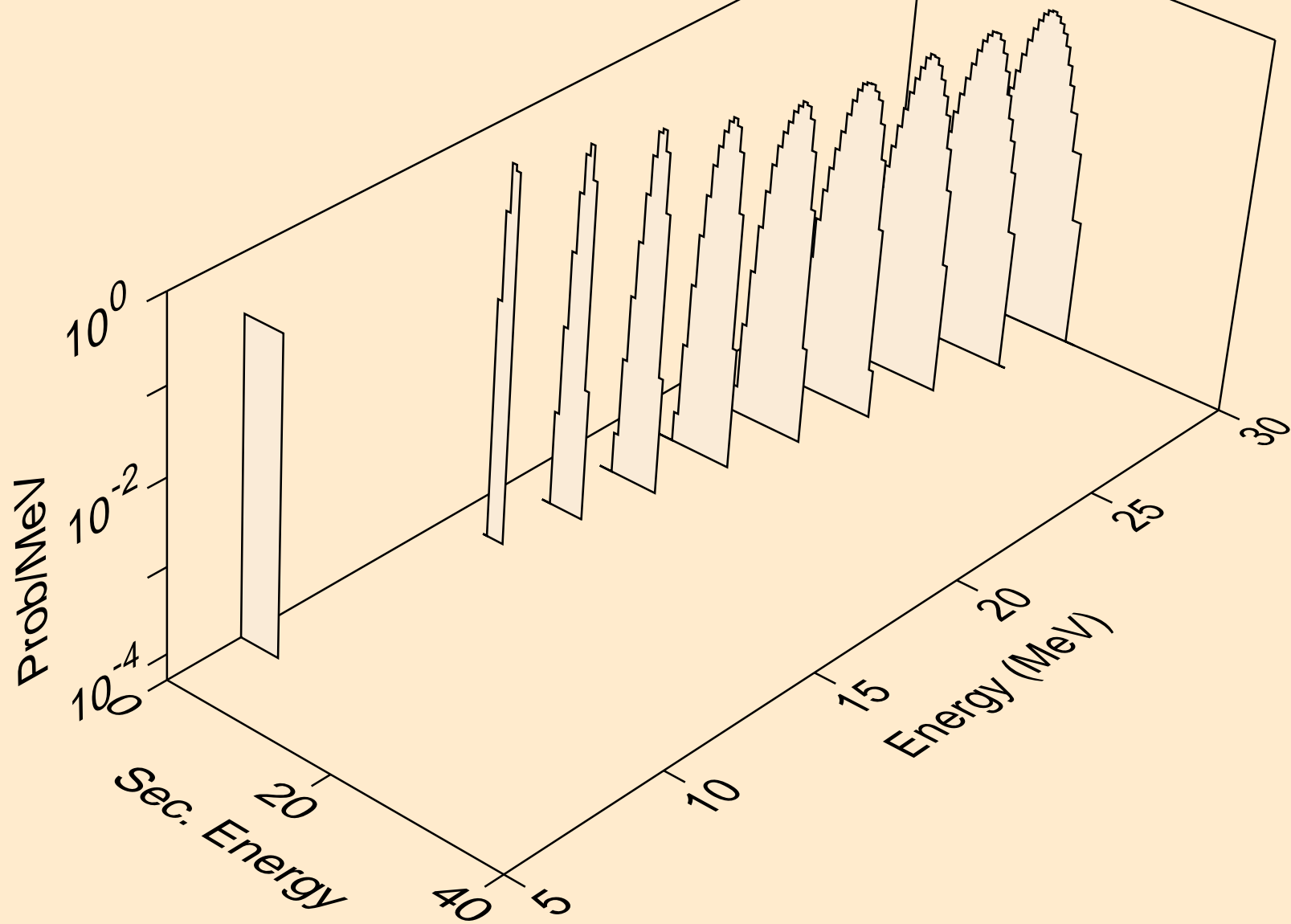
GD145M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,x)



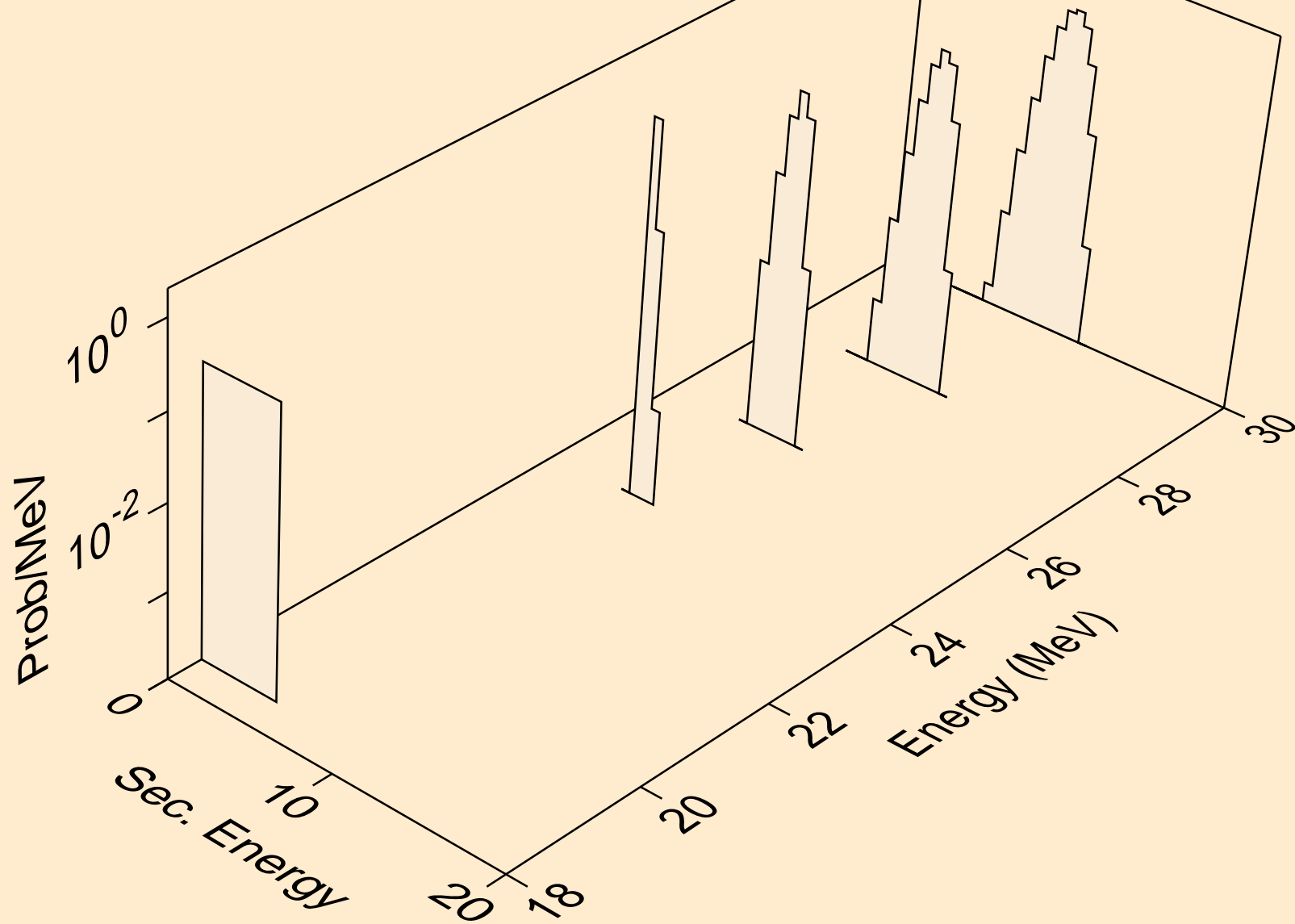
GD145M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)a



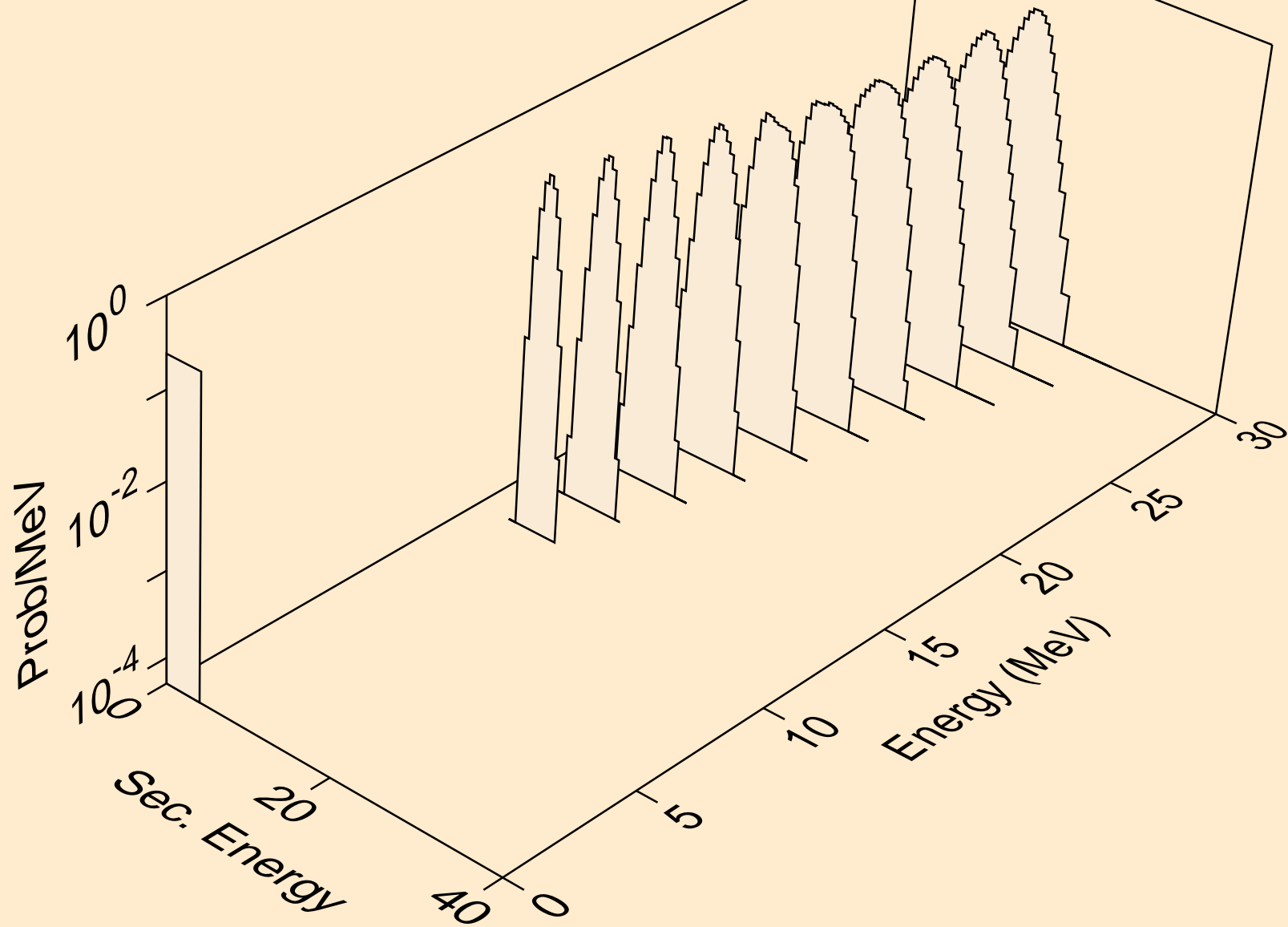
GD145M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2n)a



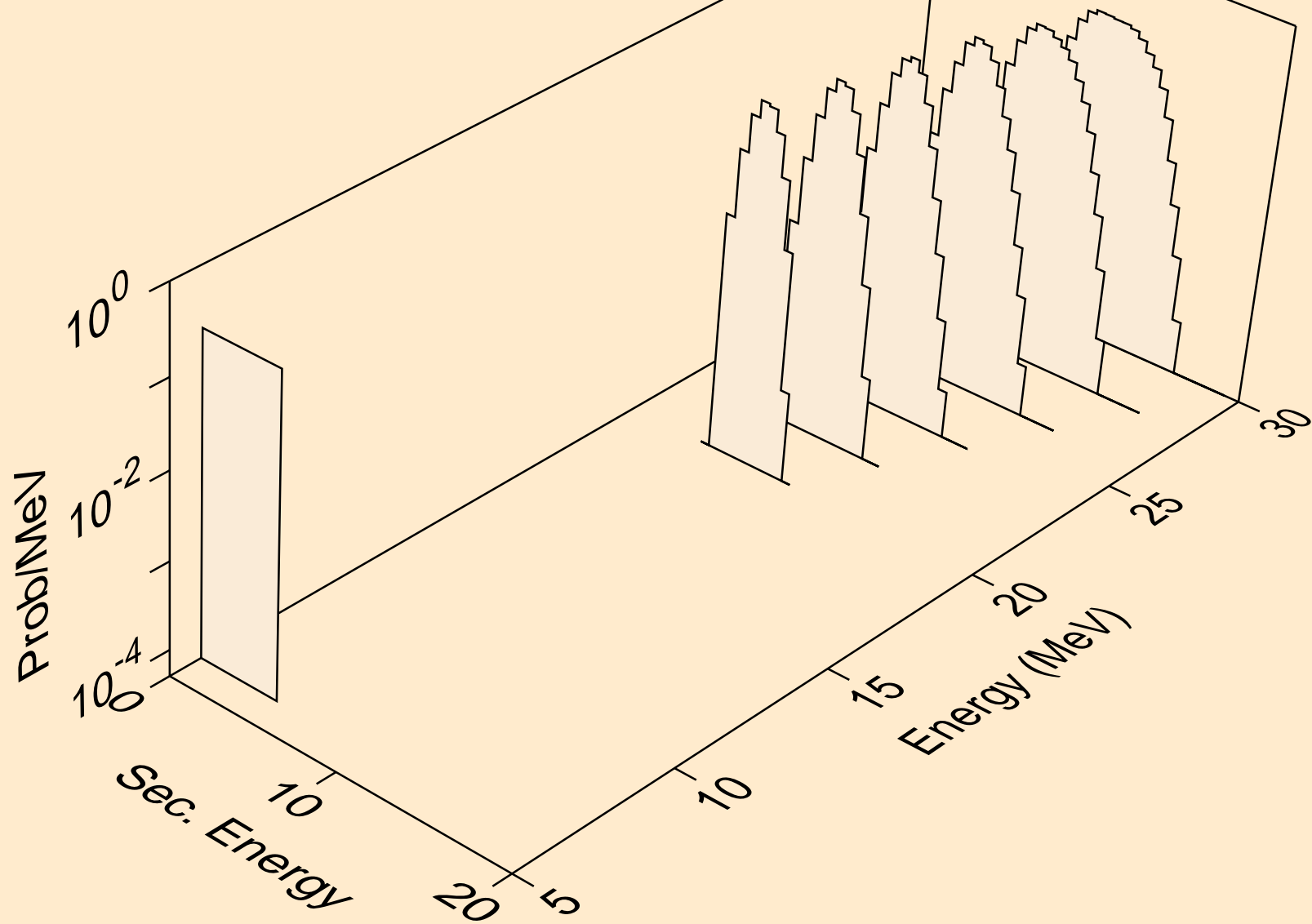
GD145M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,3n)a



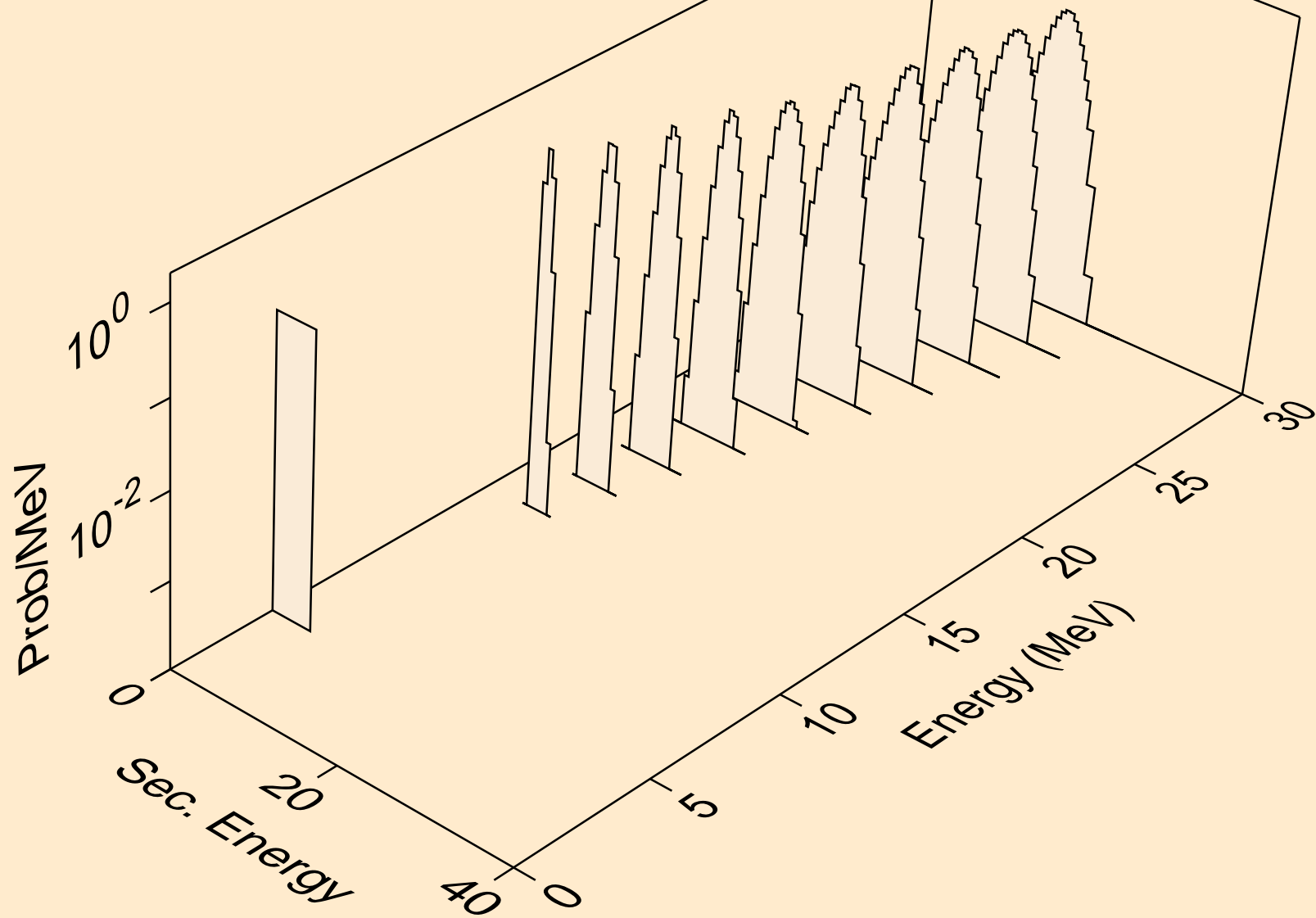
GD145M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)2a



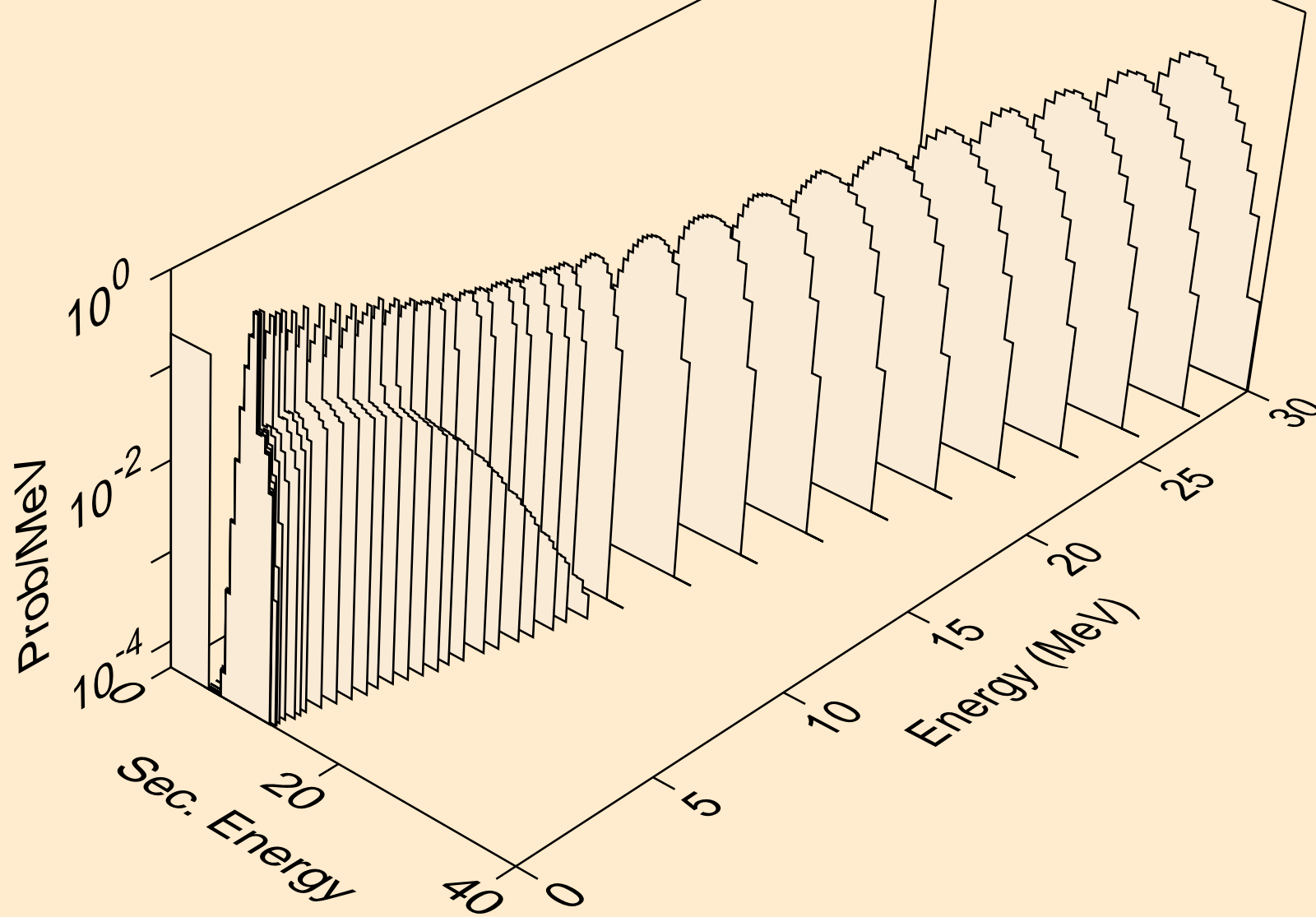
GD145M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2n)2a



GD145M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,npa)

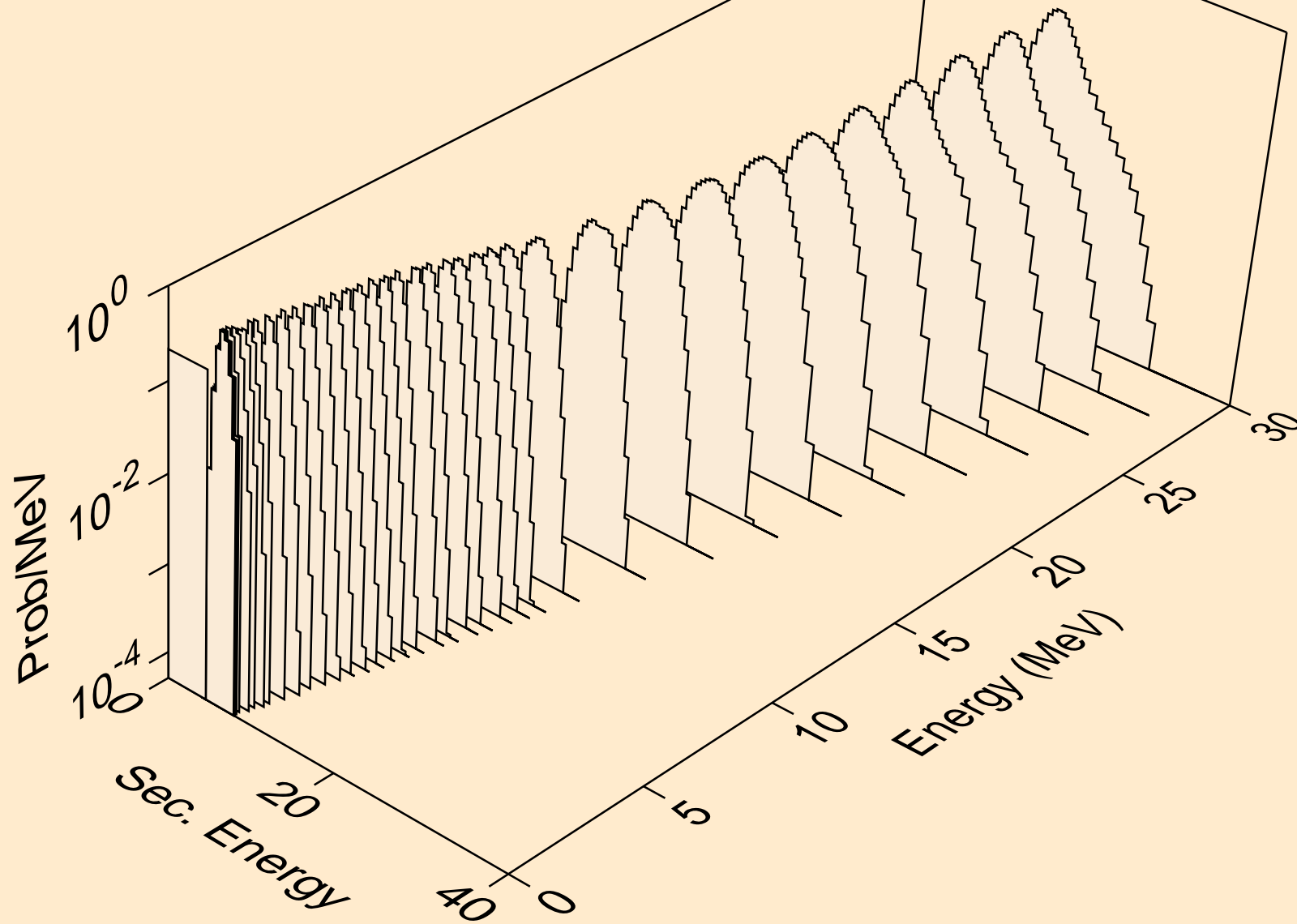


GD145M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,a)

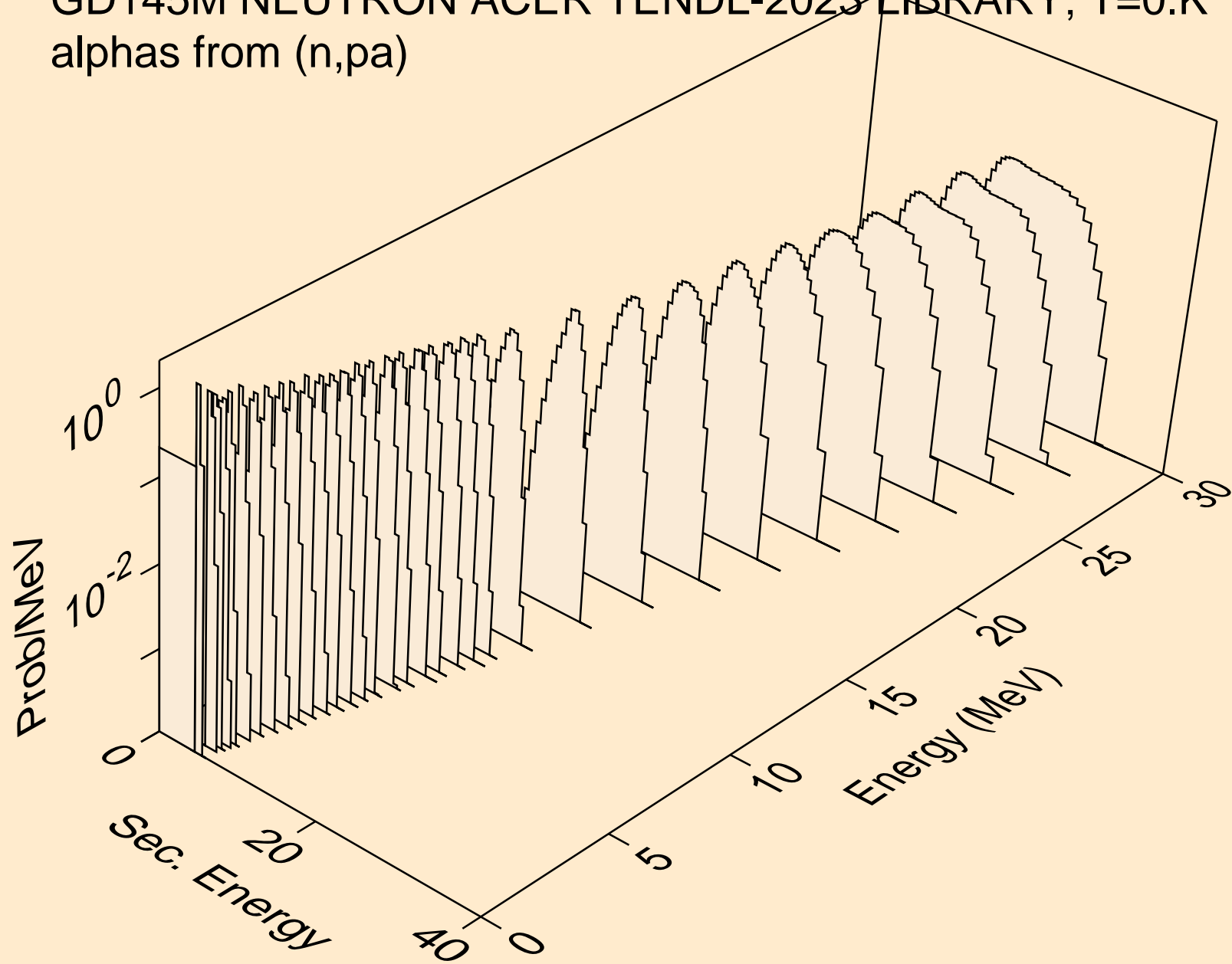




GD145M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2a)



GD145M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,pa)



GD145M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,da)

