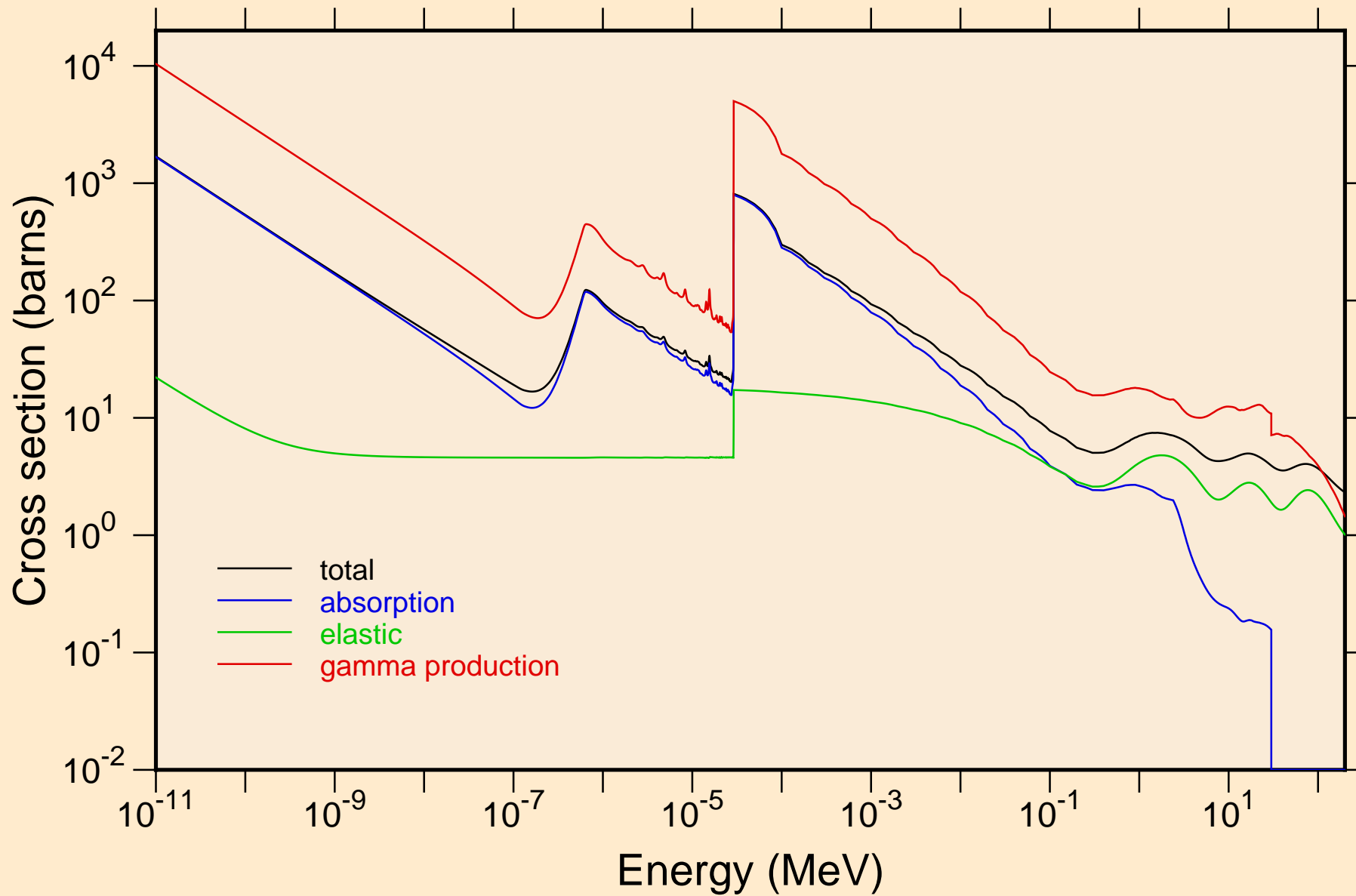
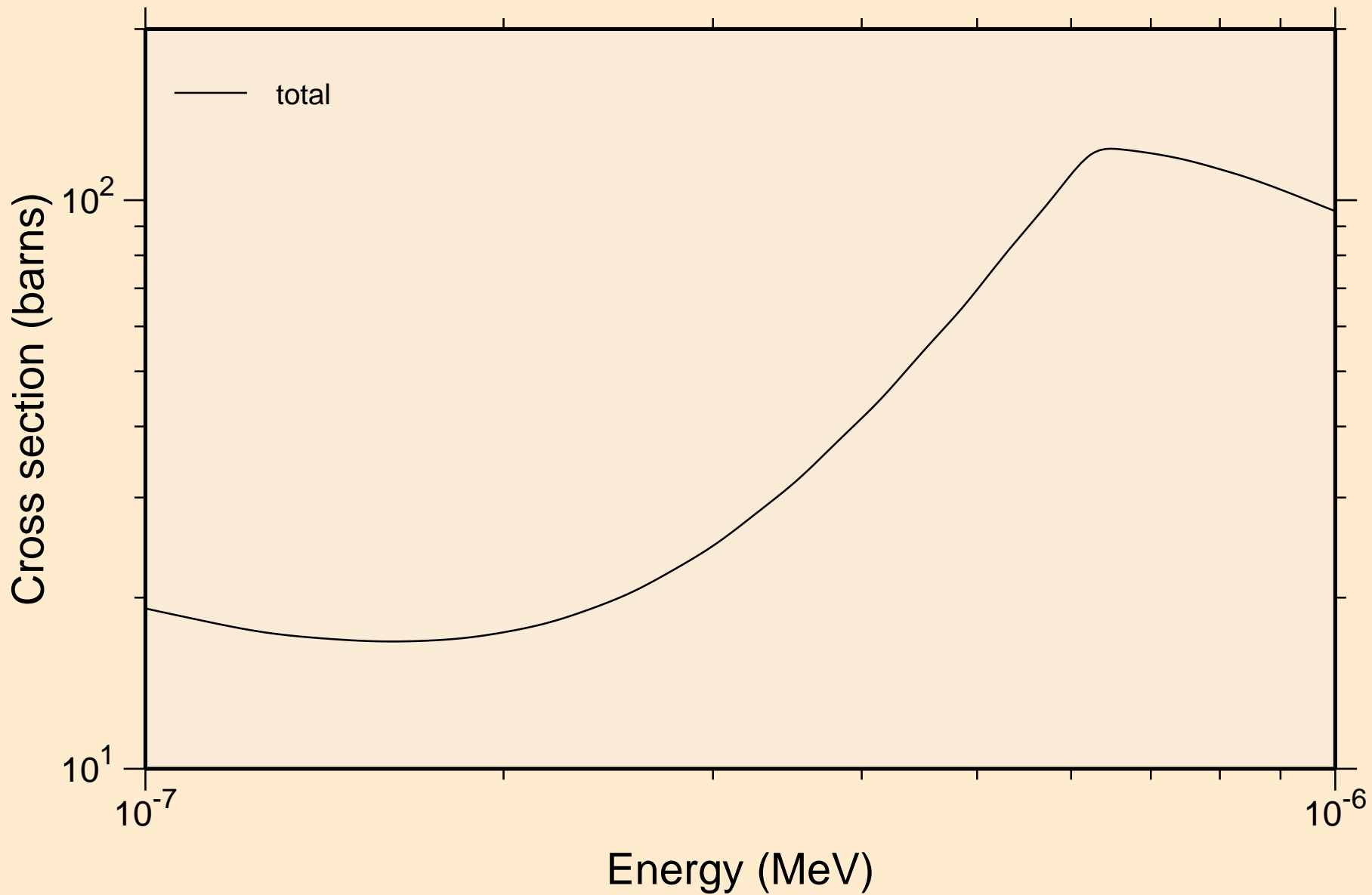


# GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

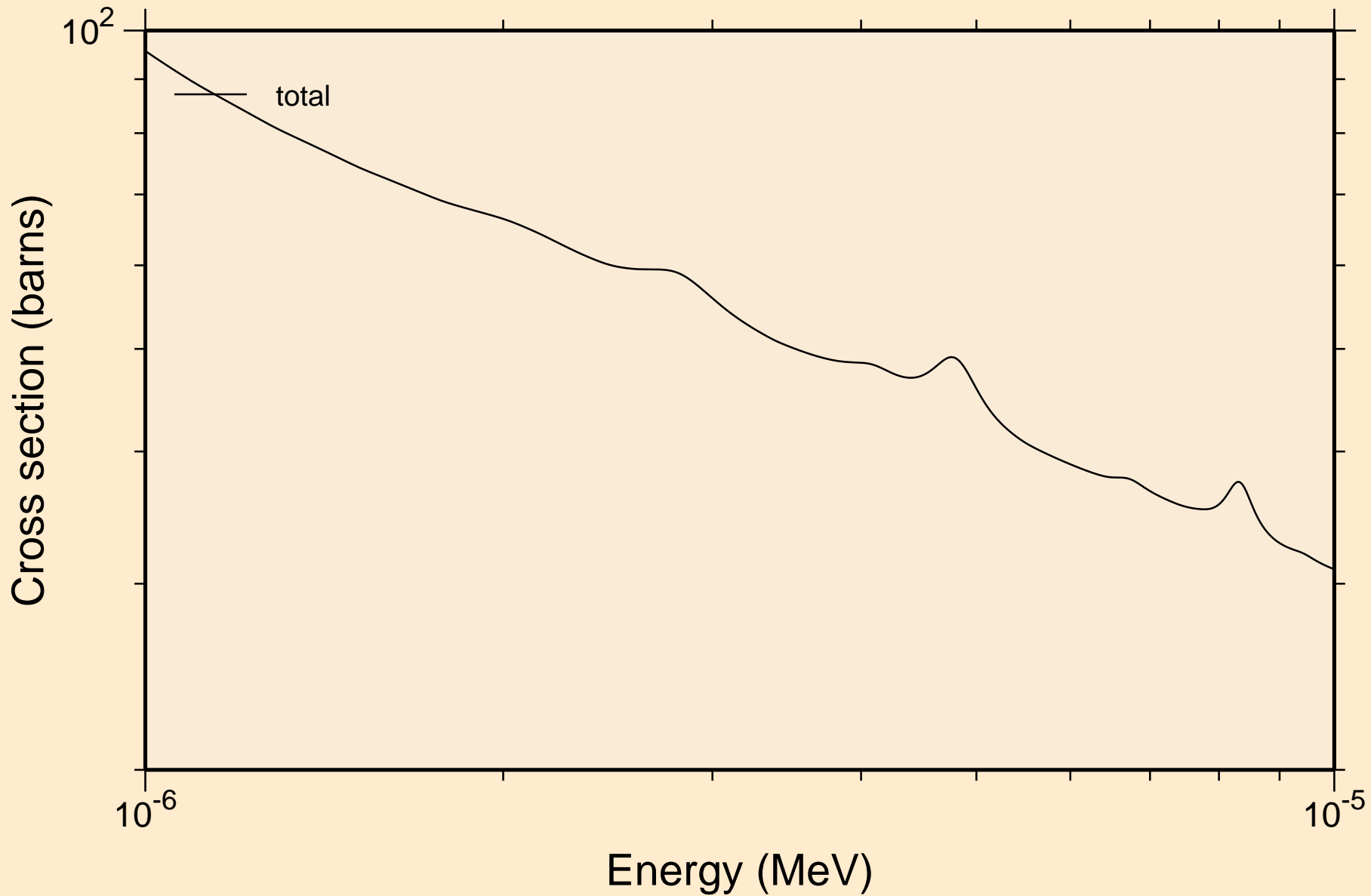
## Principal cross sections



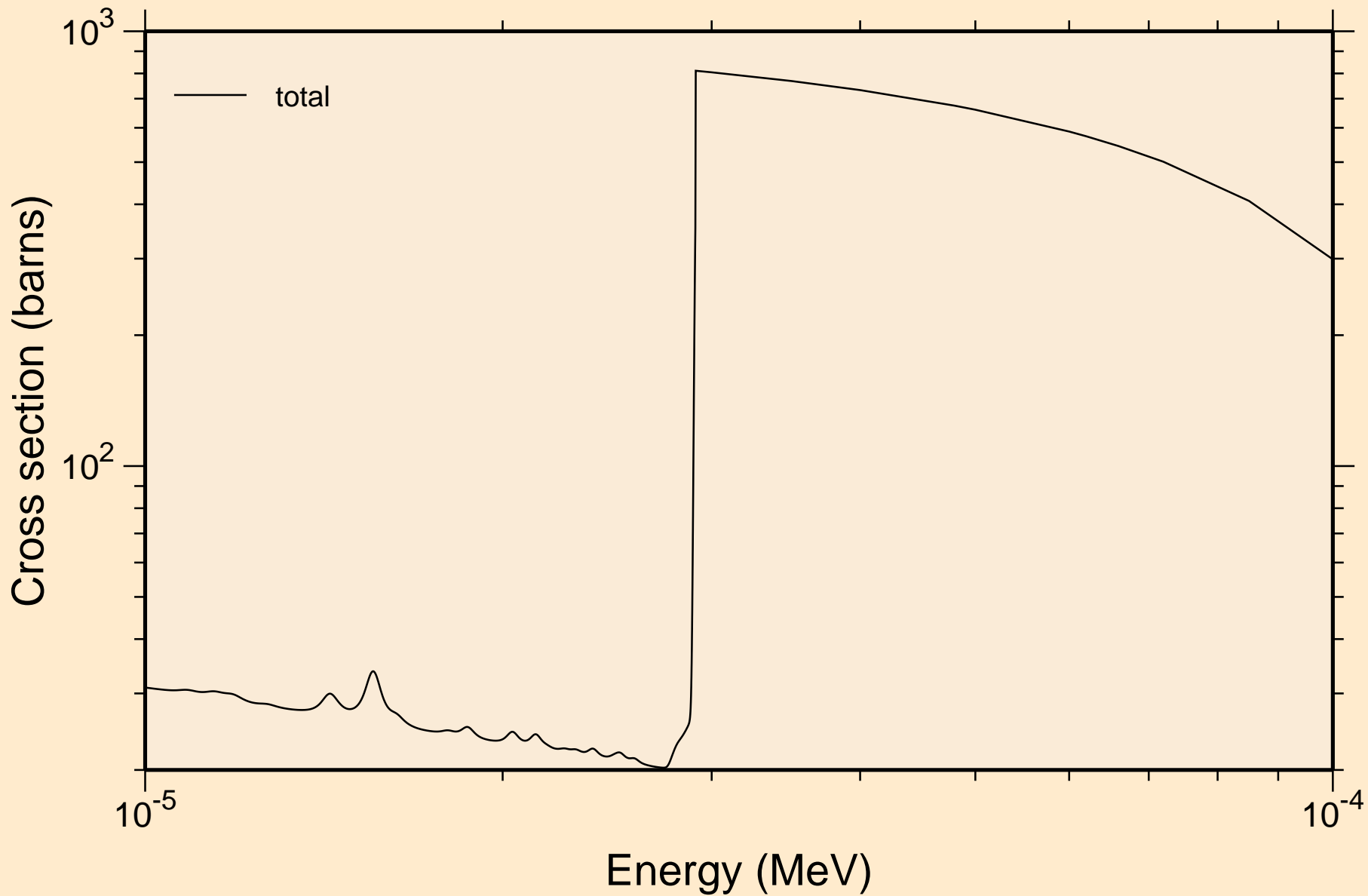
GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



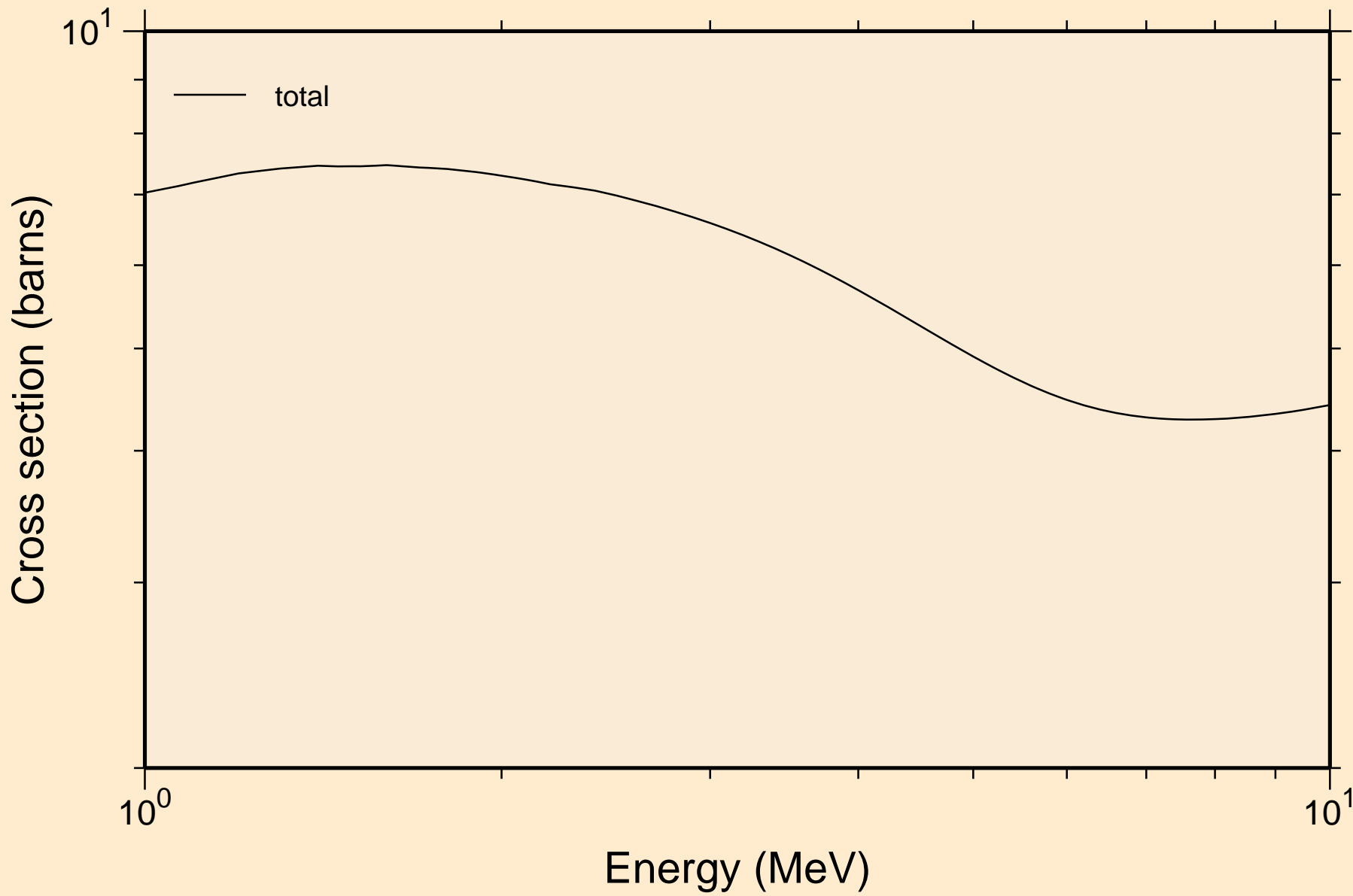
GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



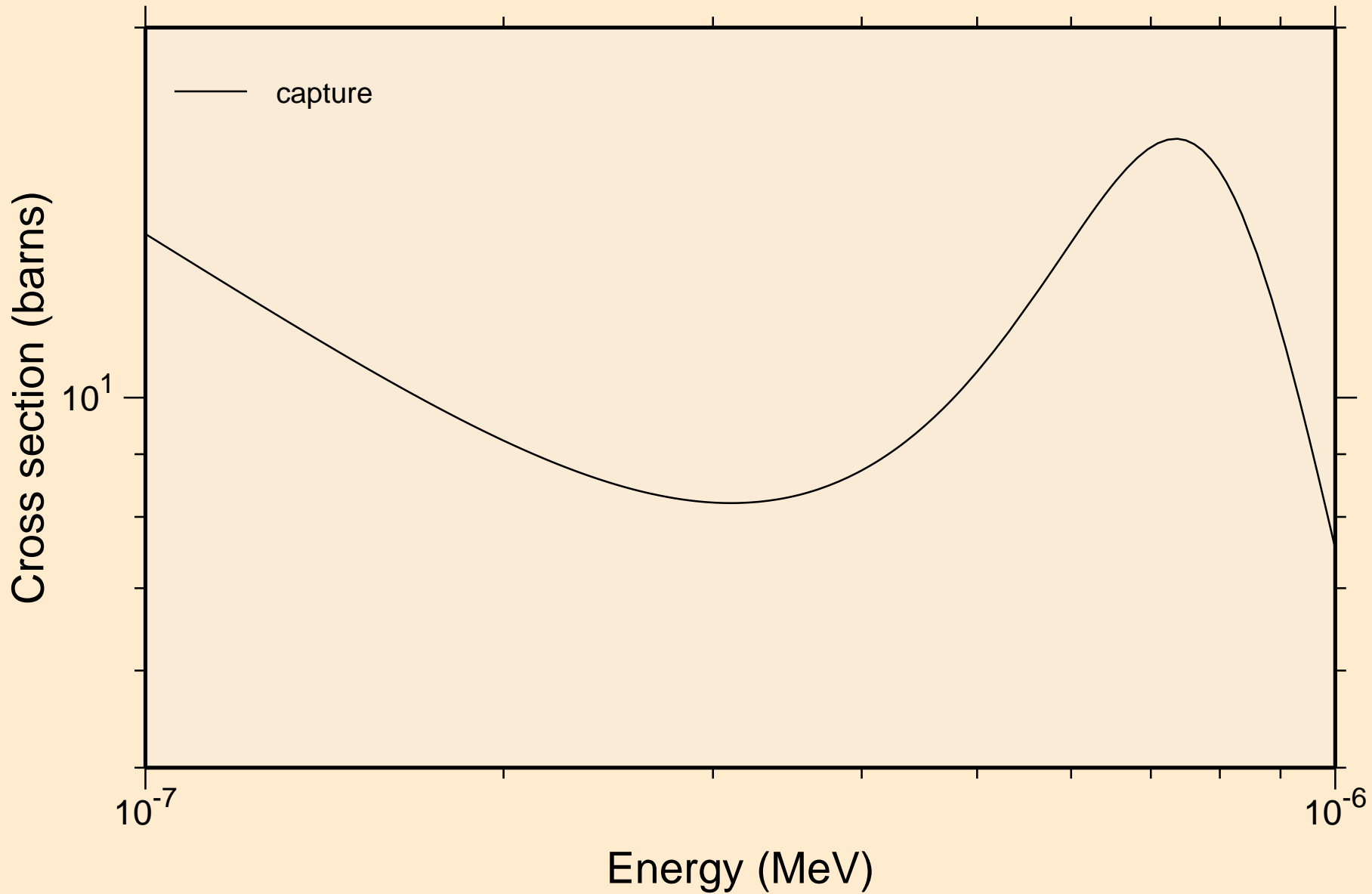
GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



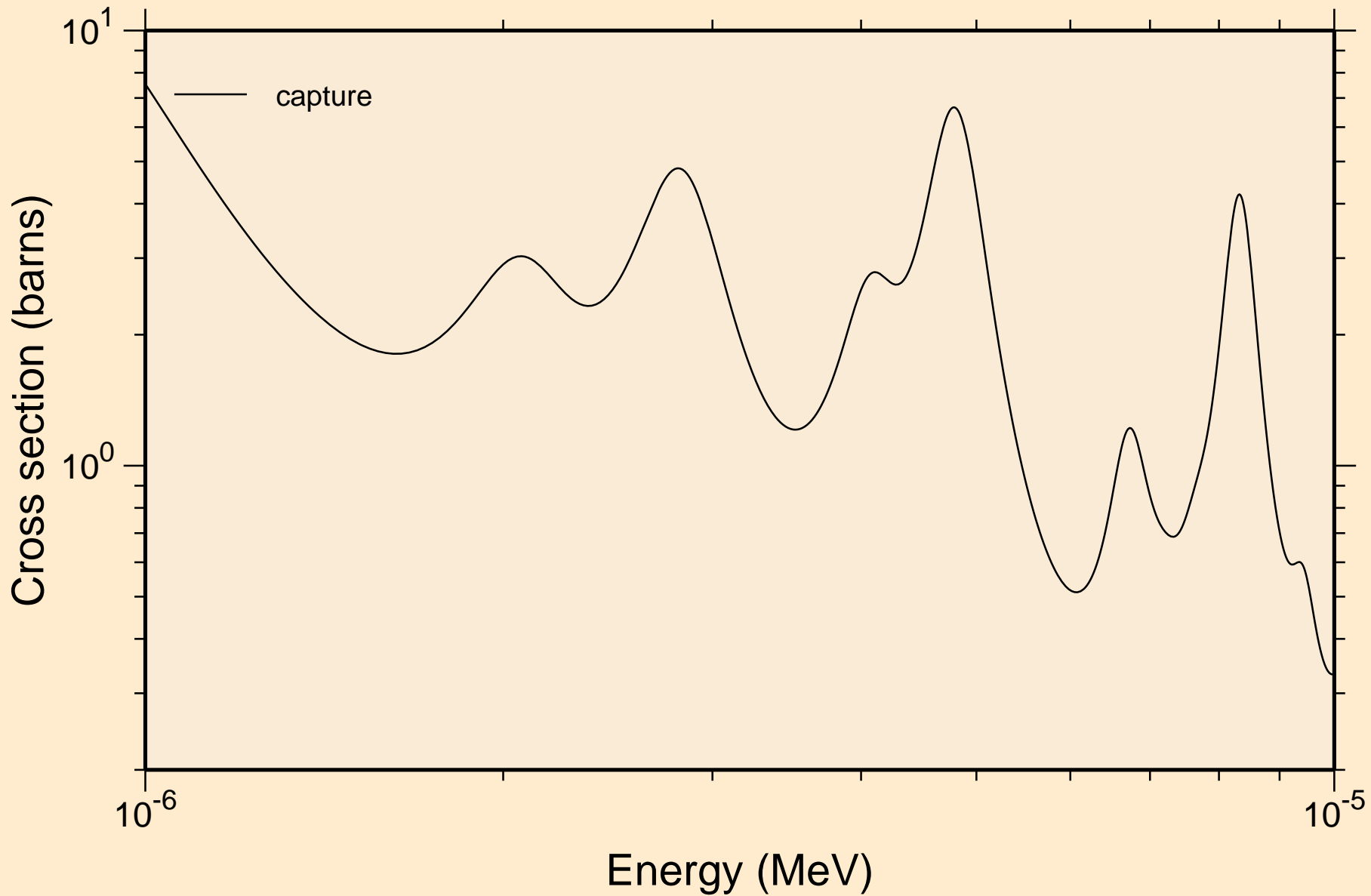
GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



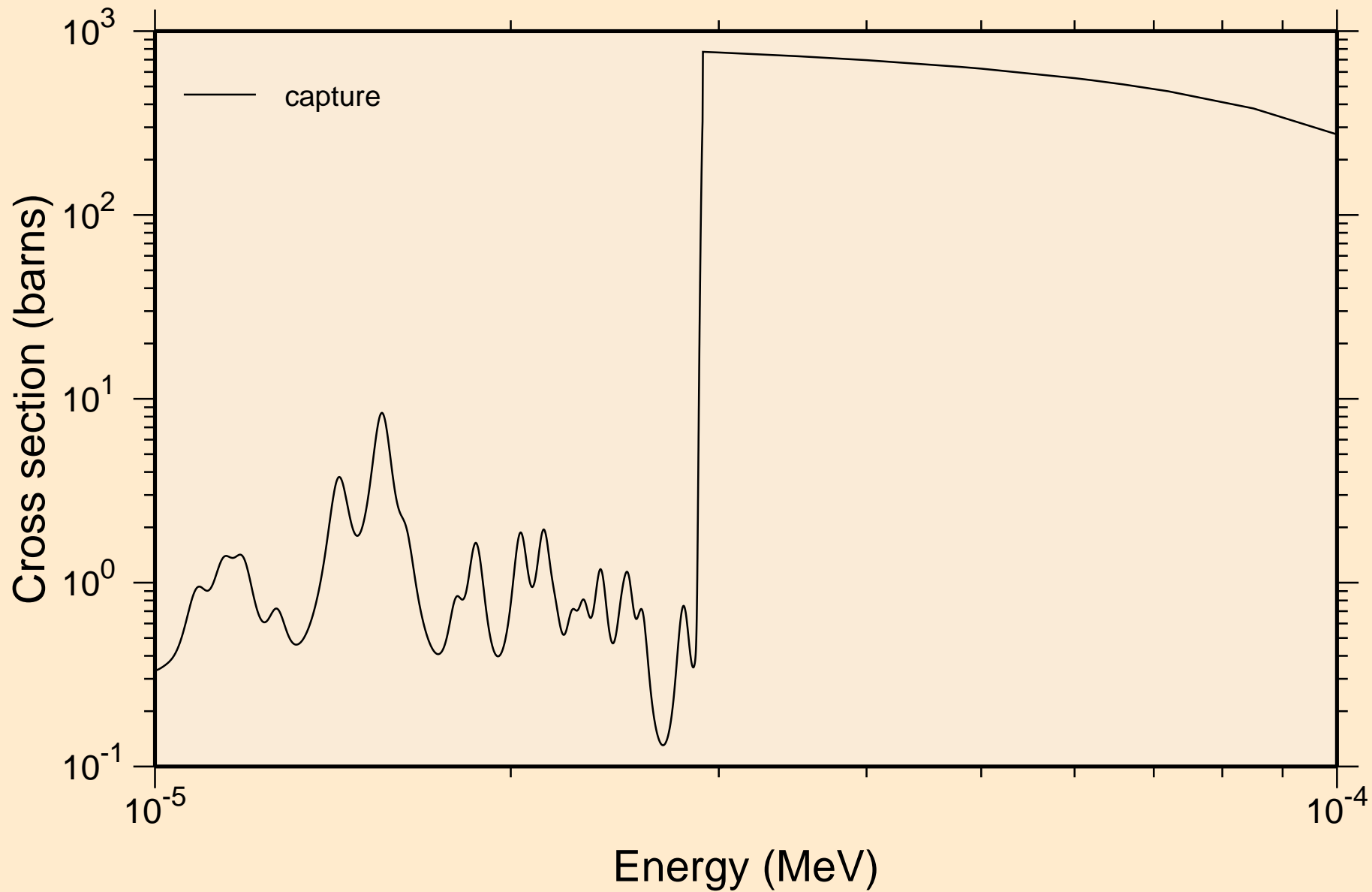
GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections

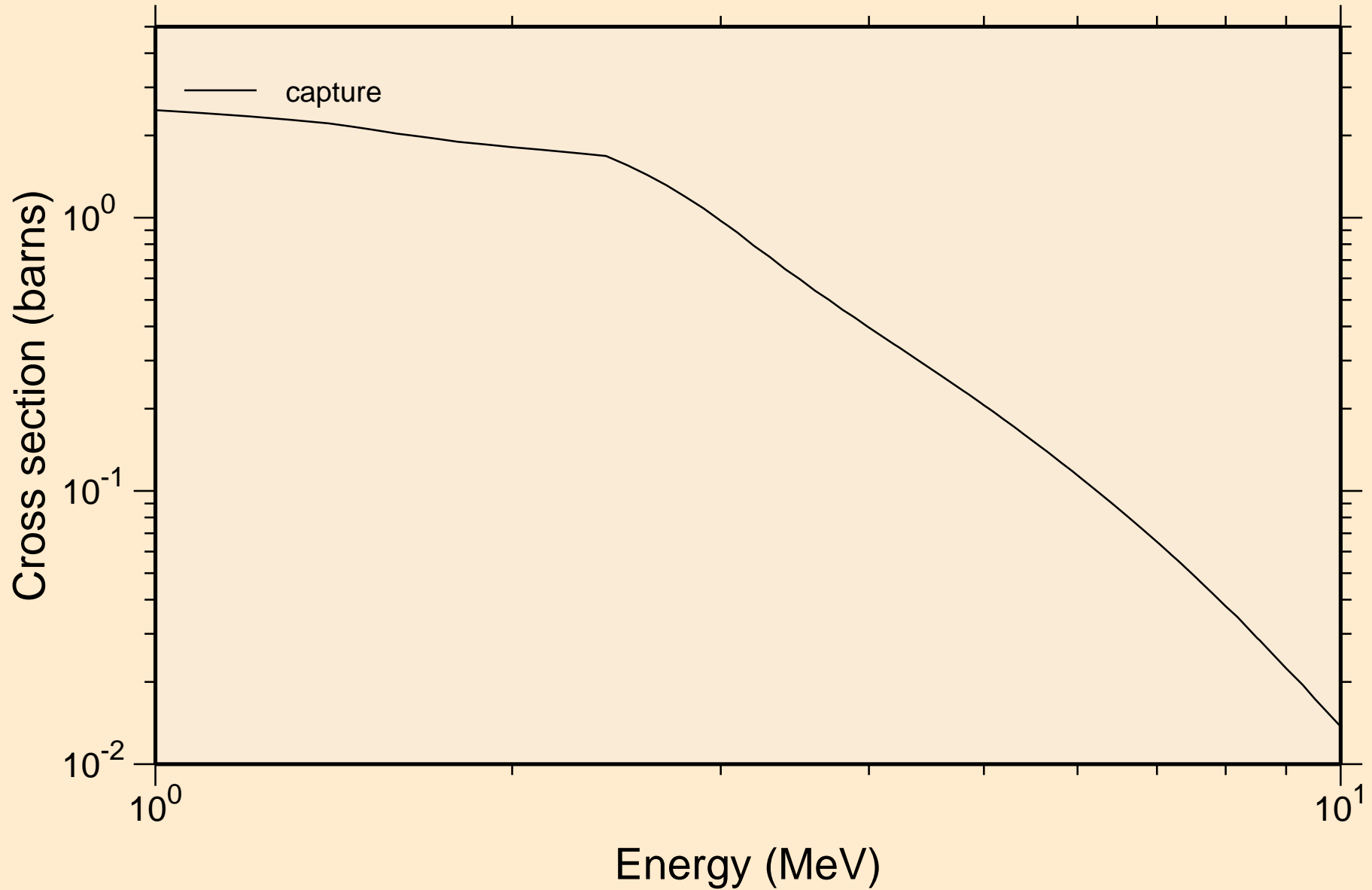


GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections

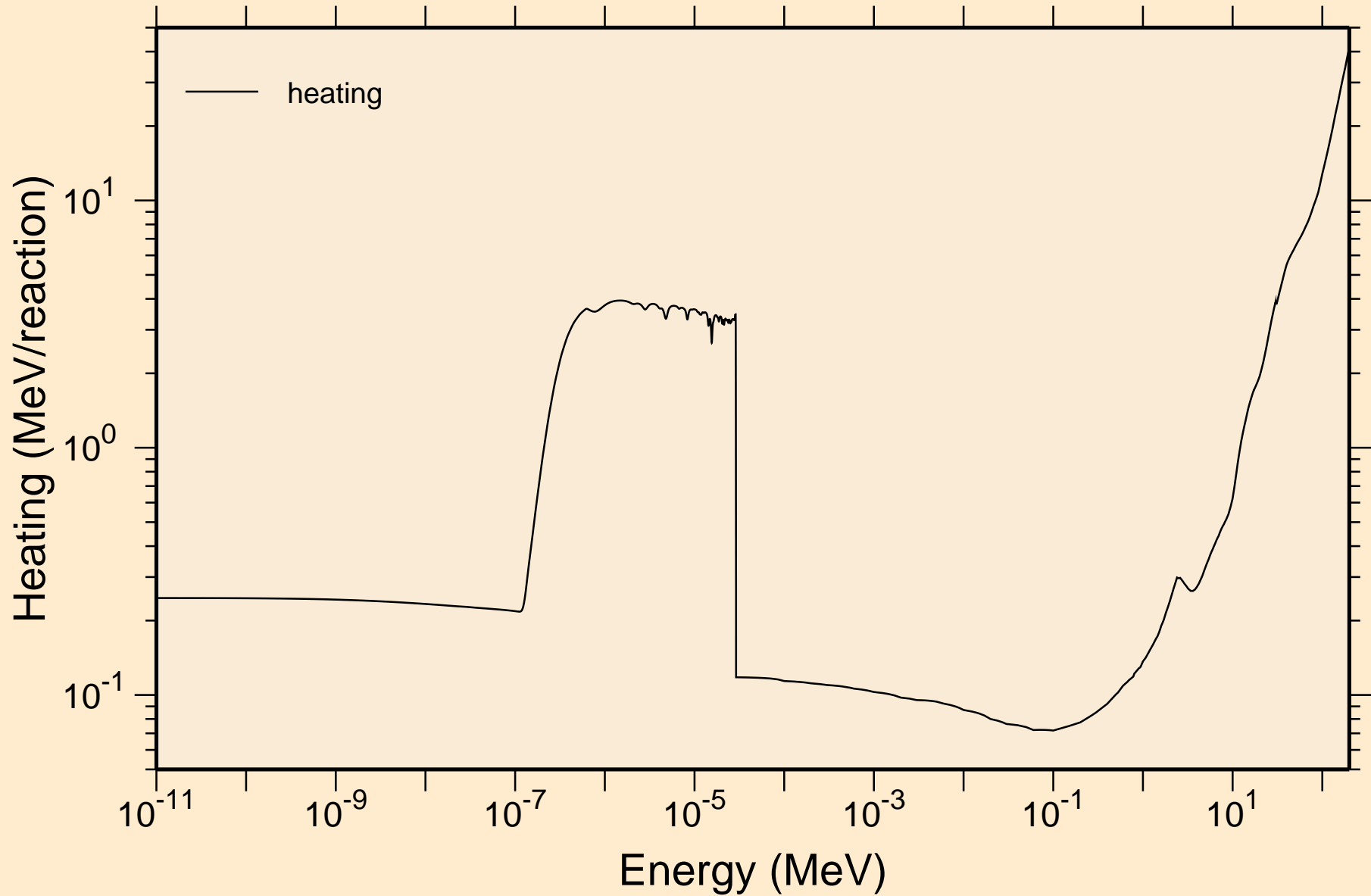




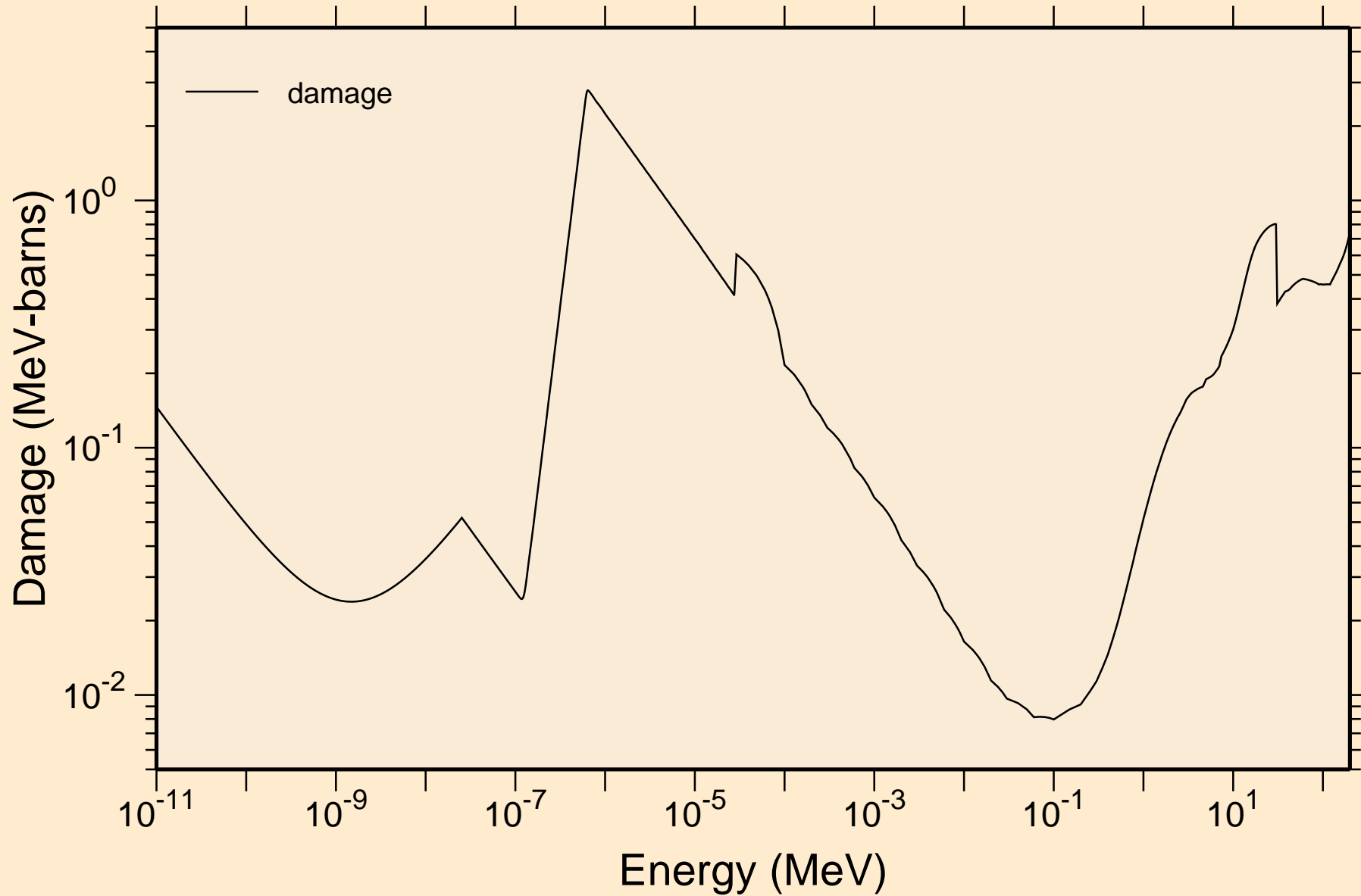
GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



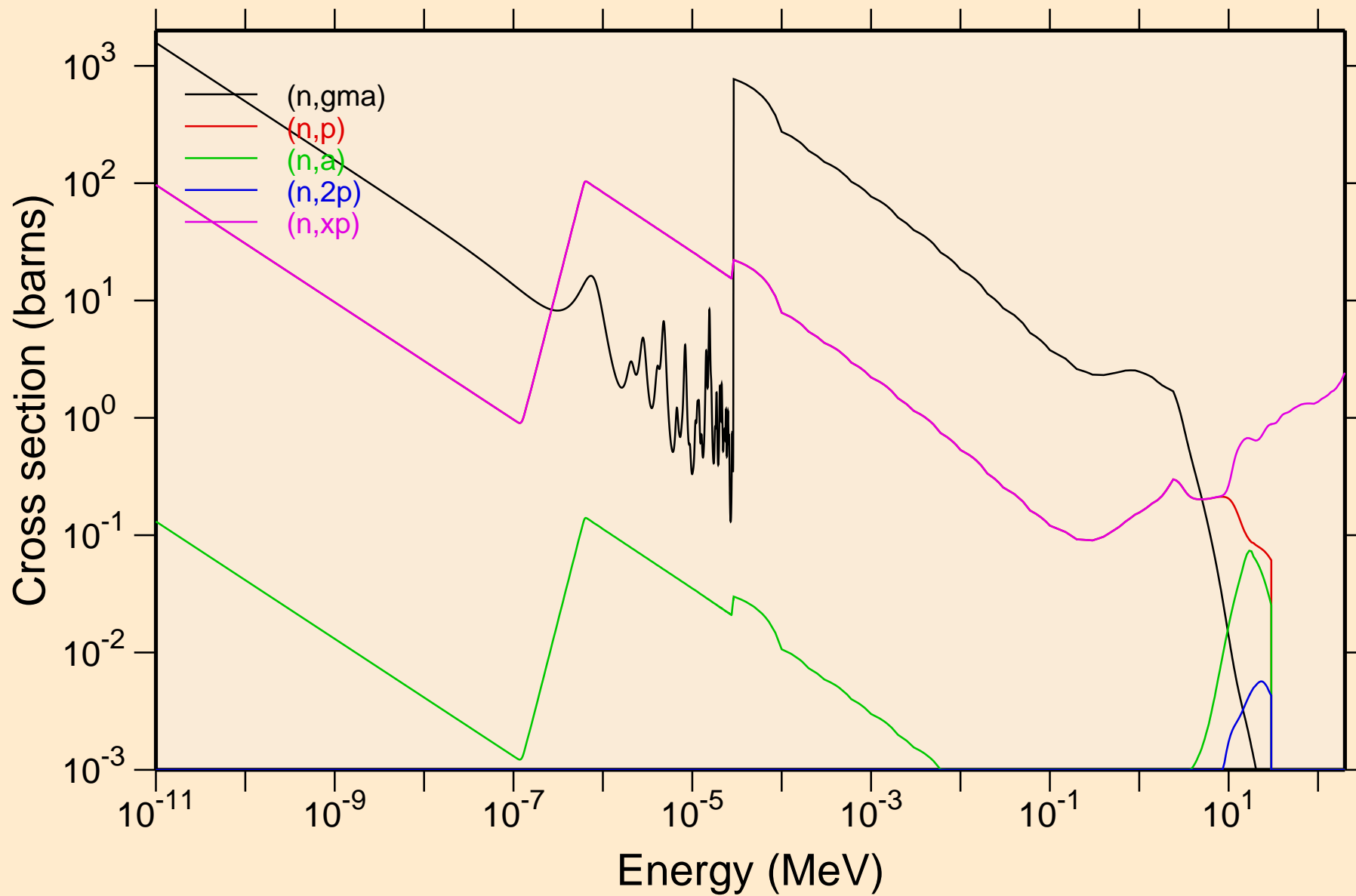
GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Heating



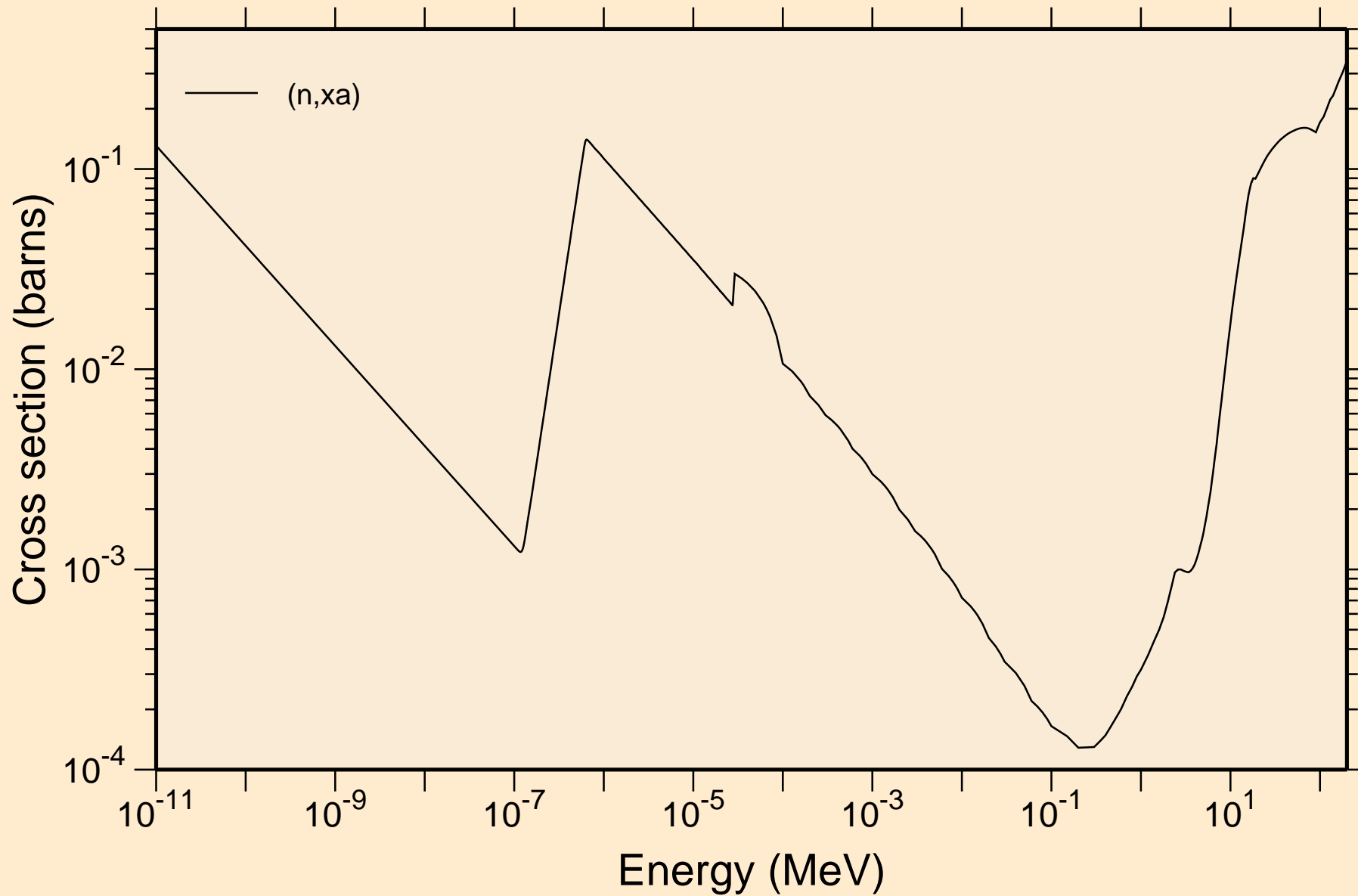
# GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K Damage



GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions

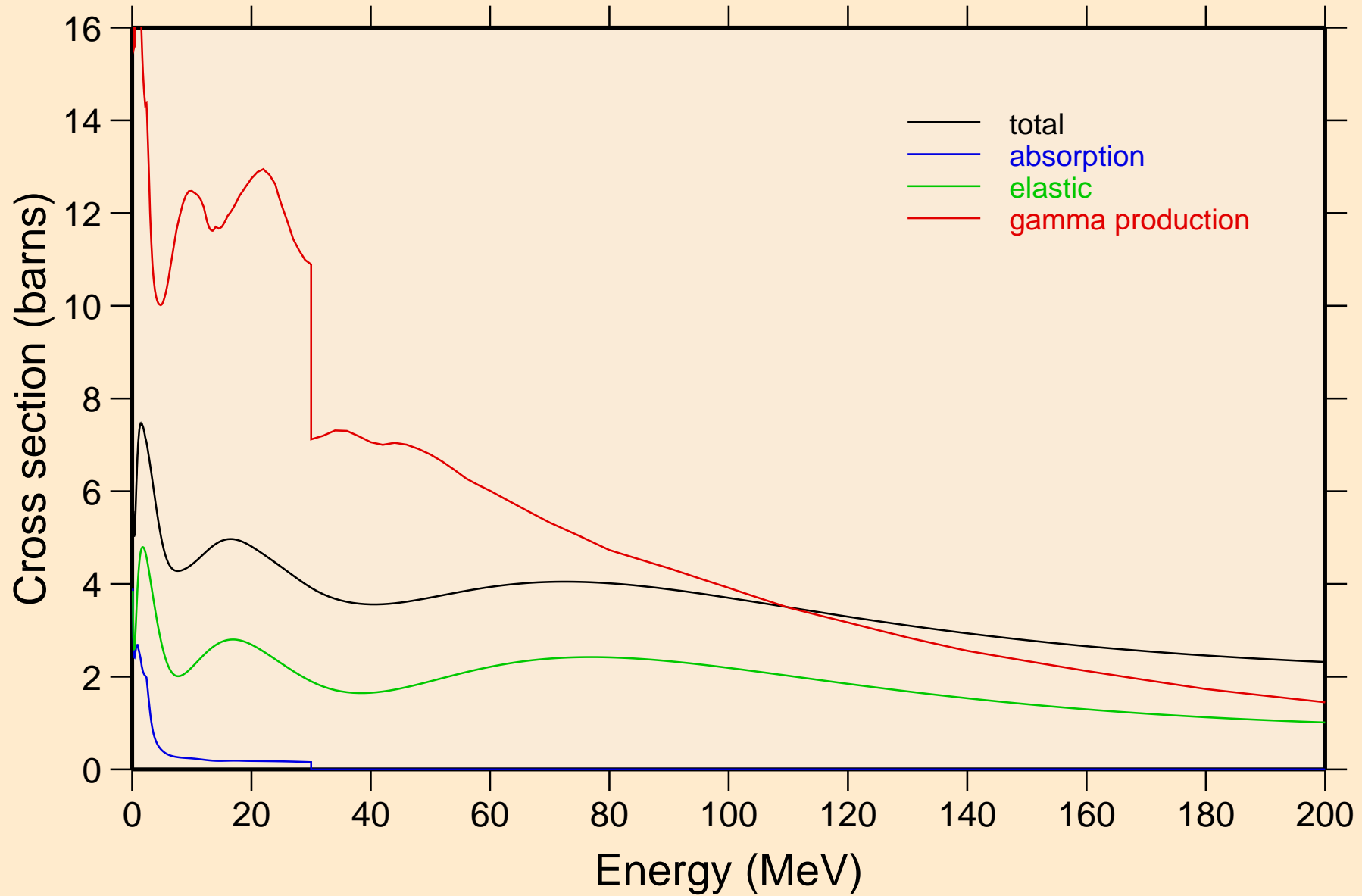


GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions

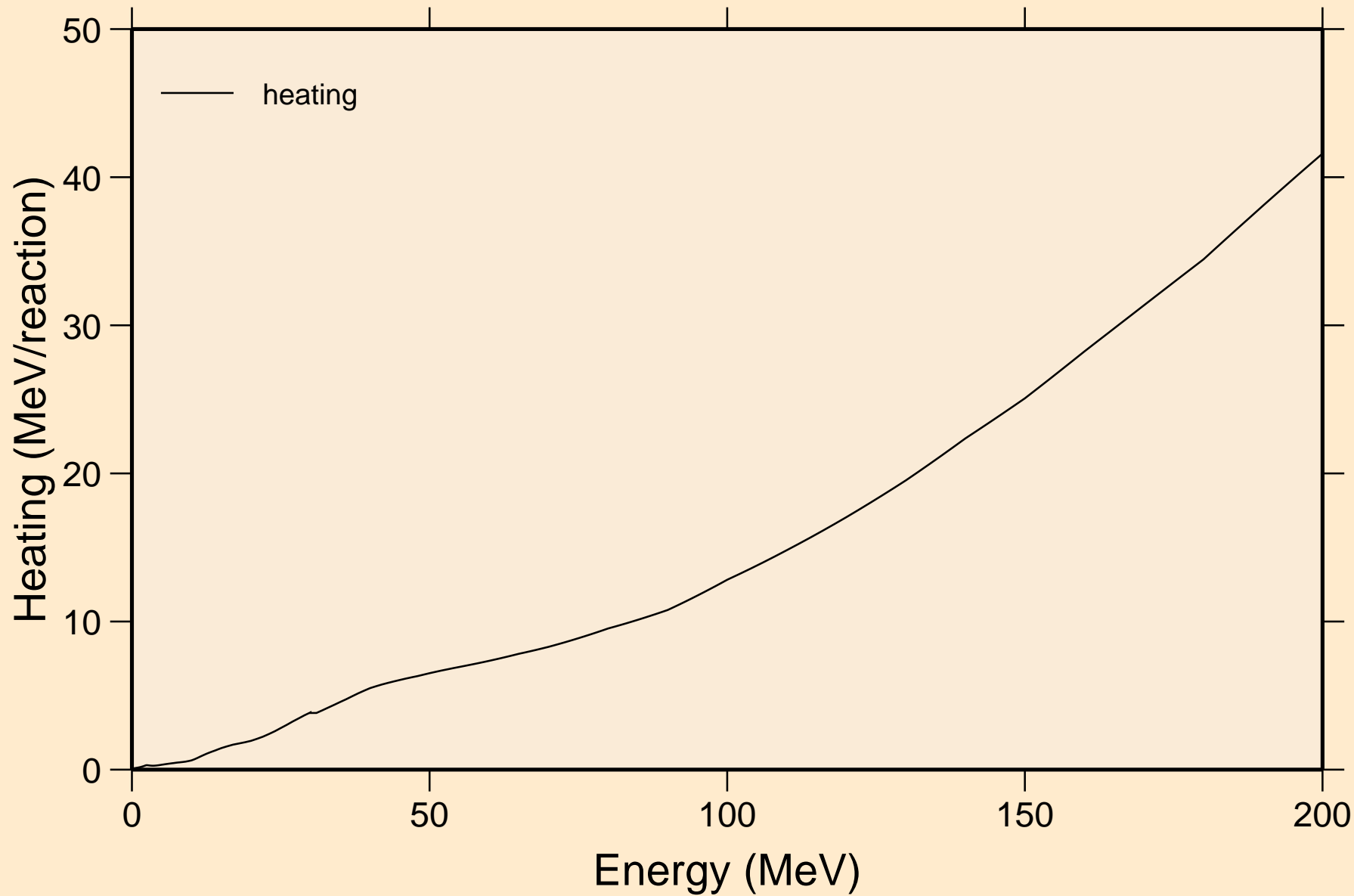


# GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

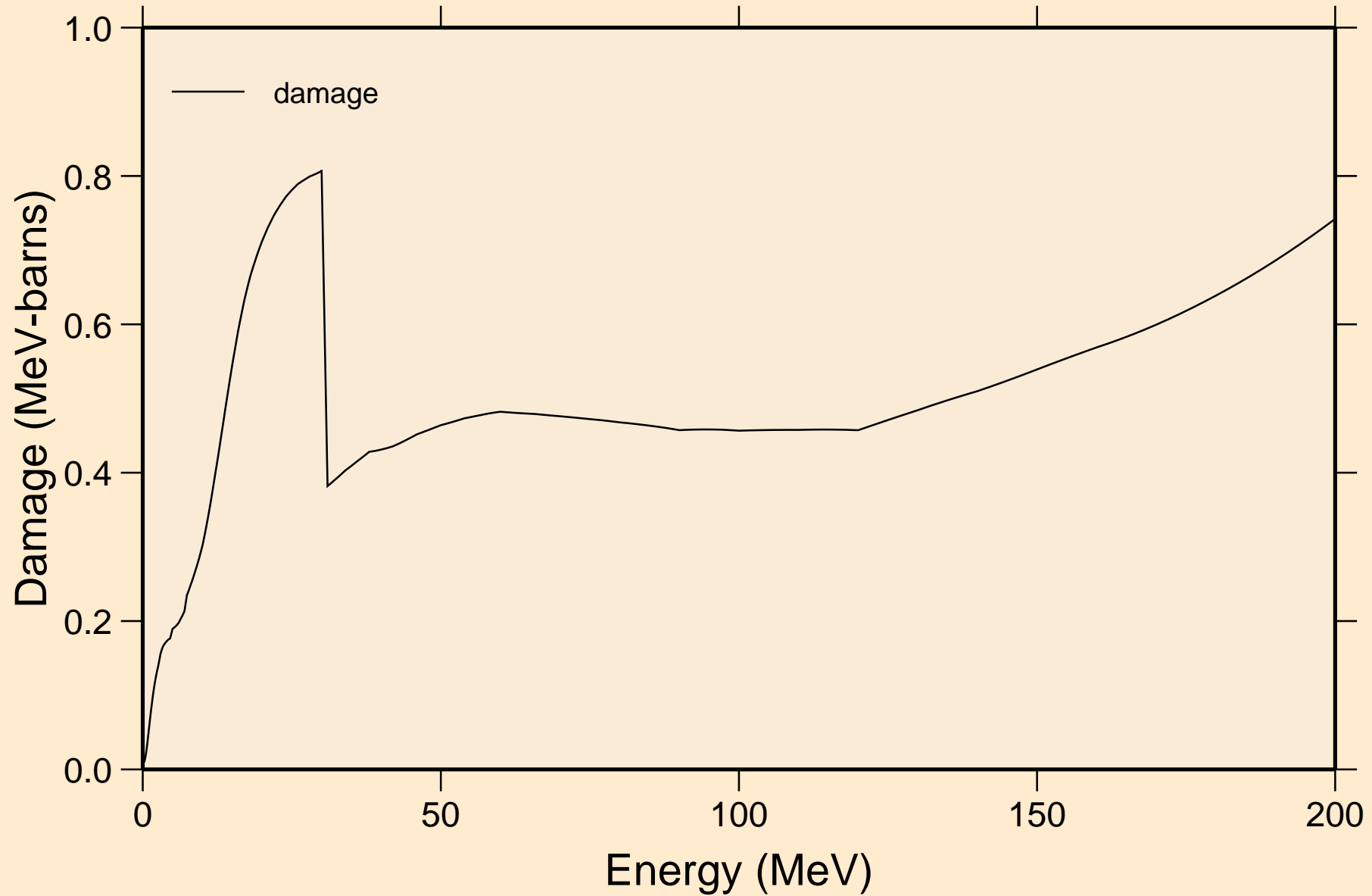
## Principal cross sections



GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Heating

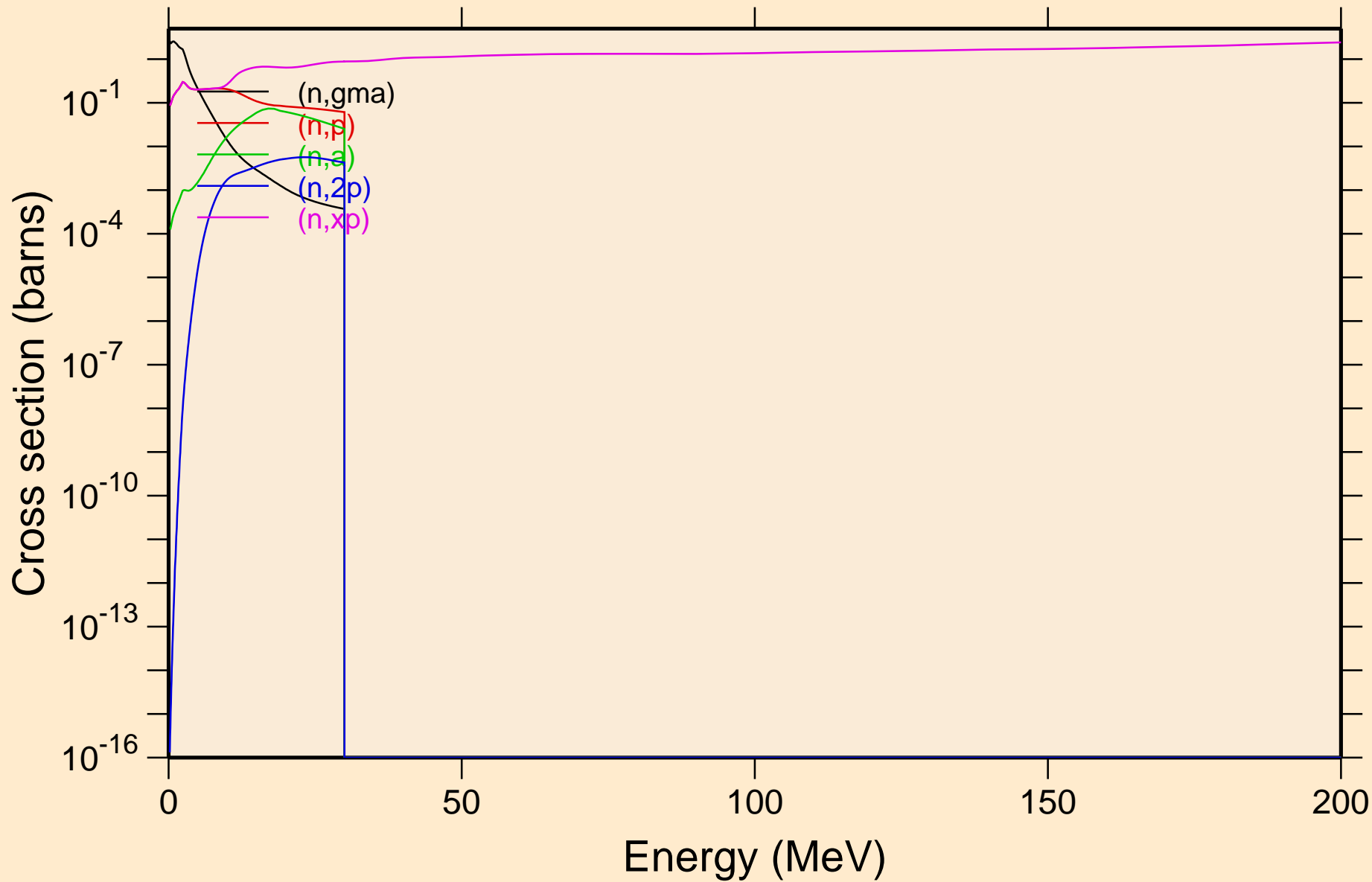


GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Damage

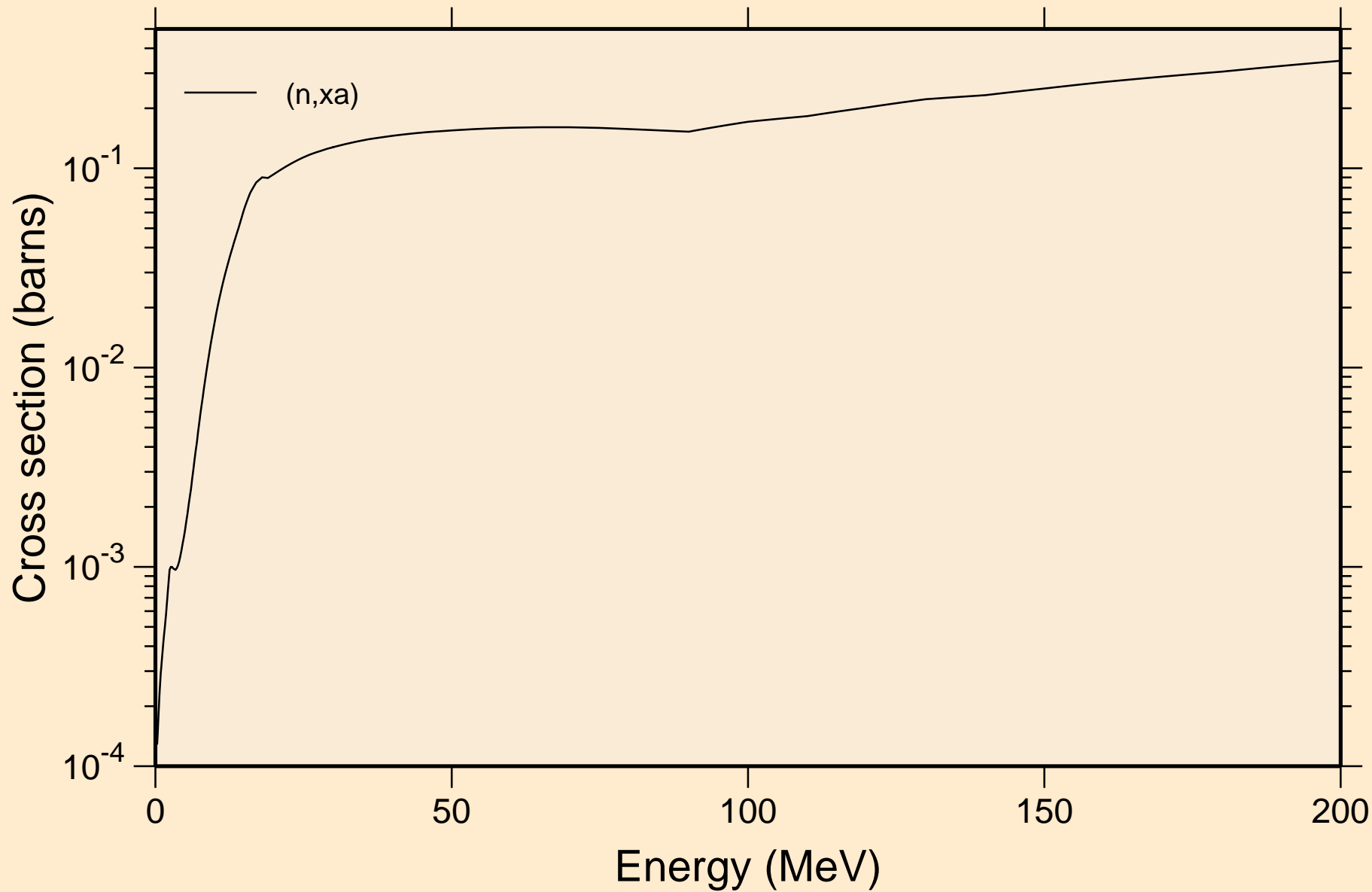




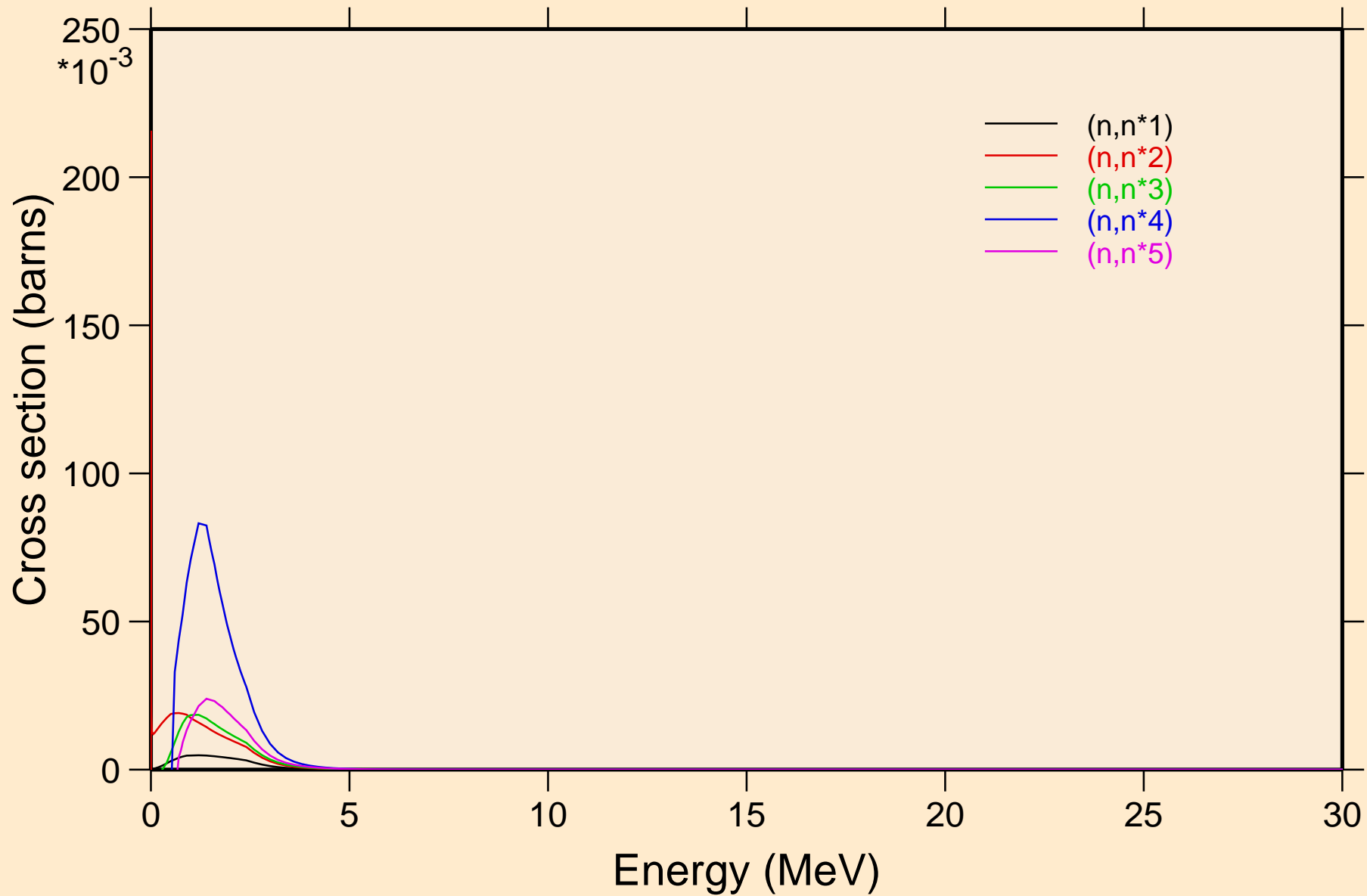
GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions



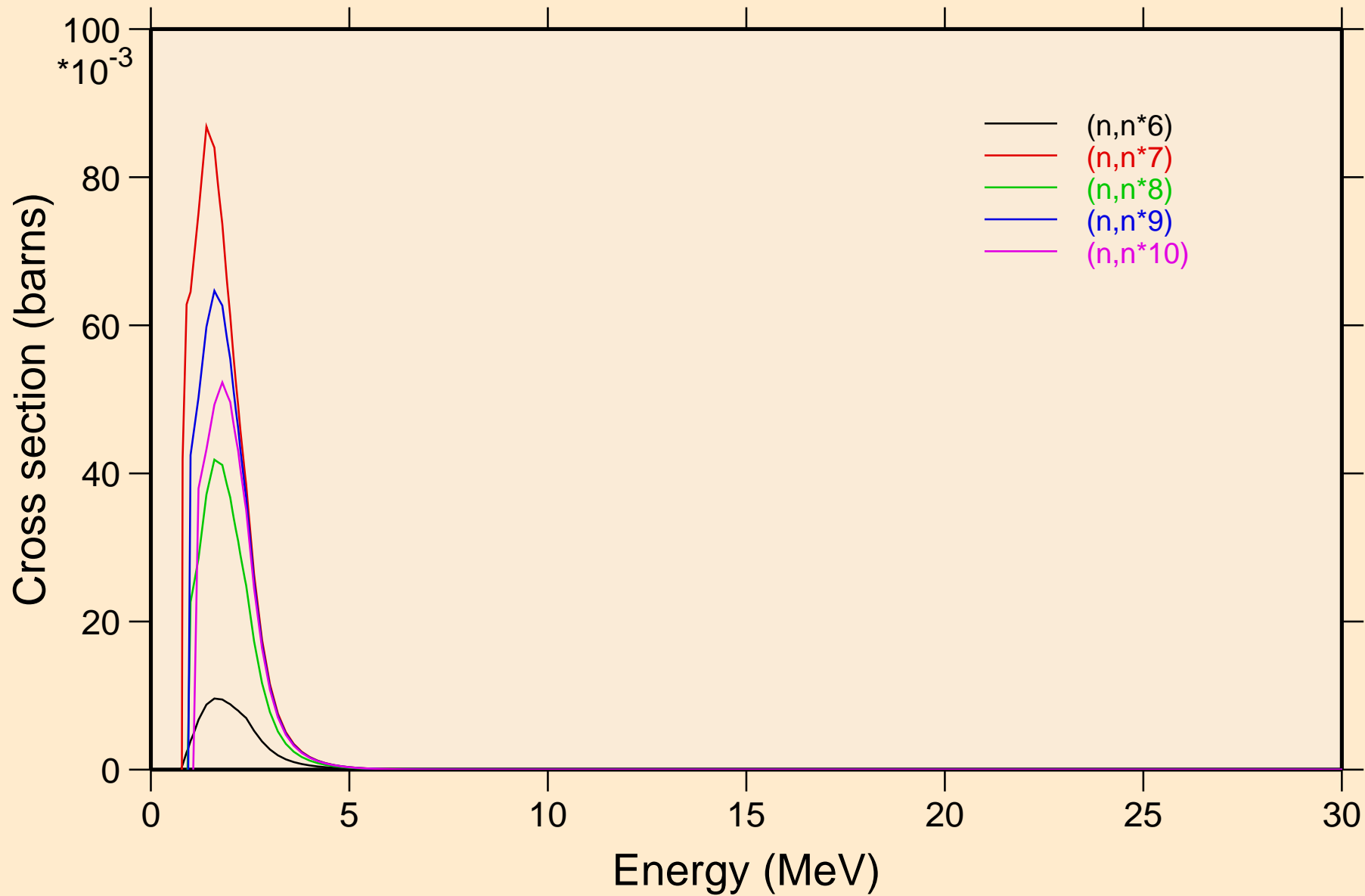
GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions



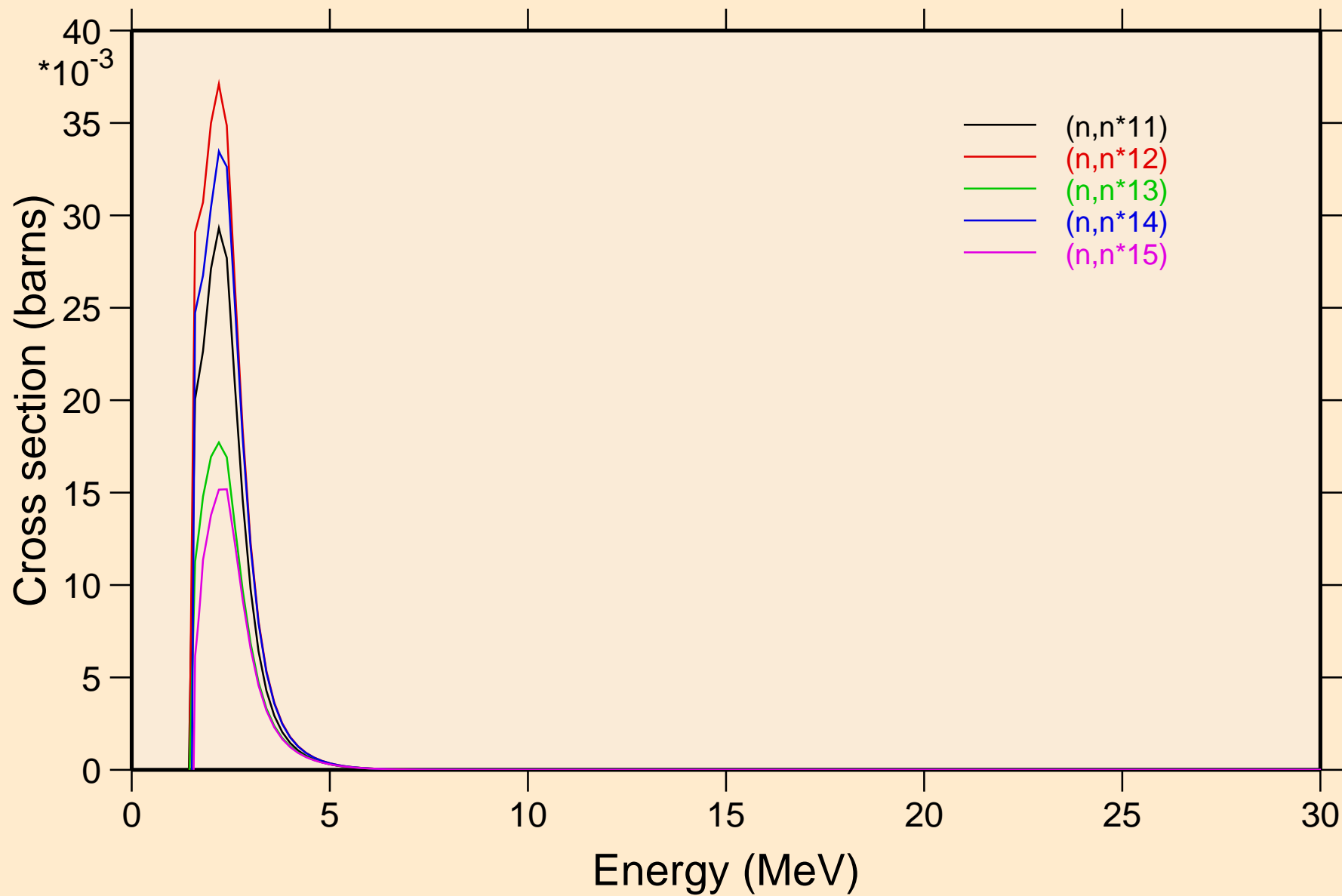
GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



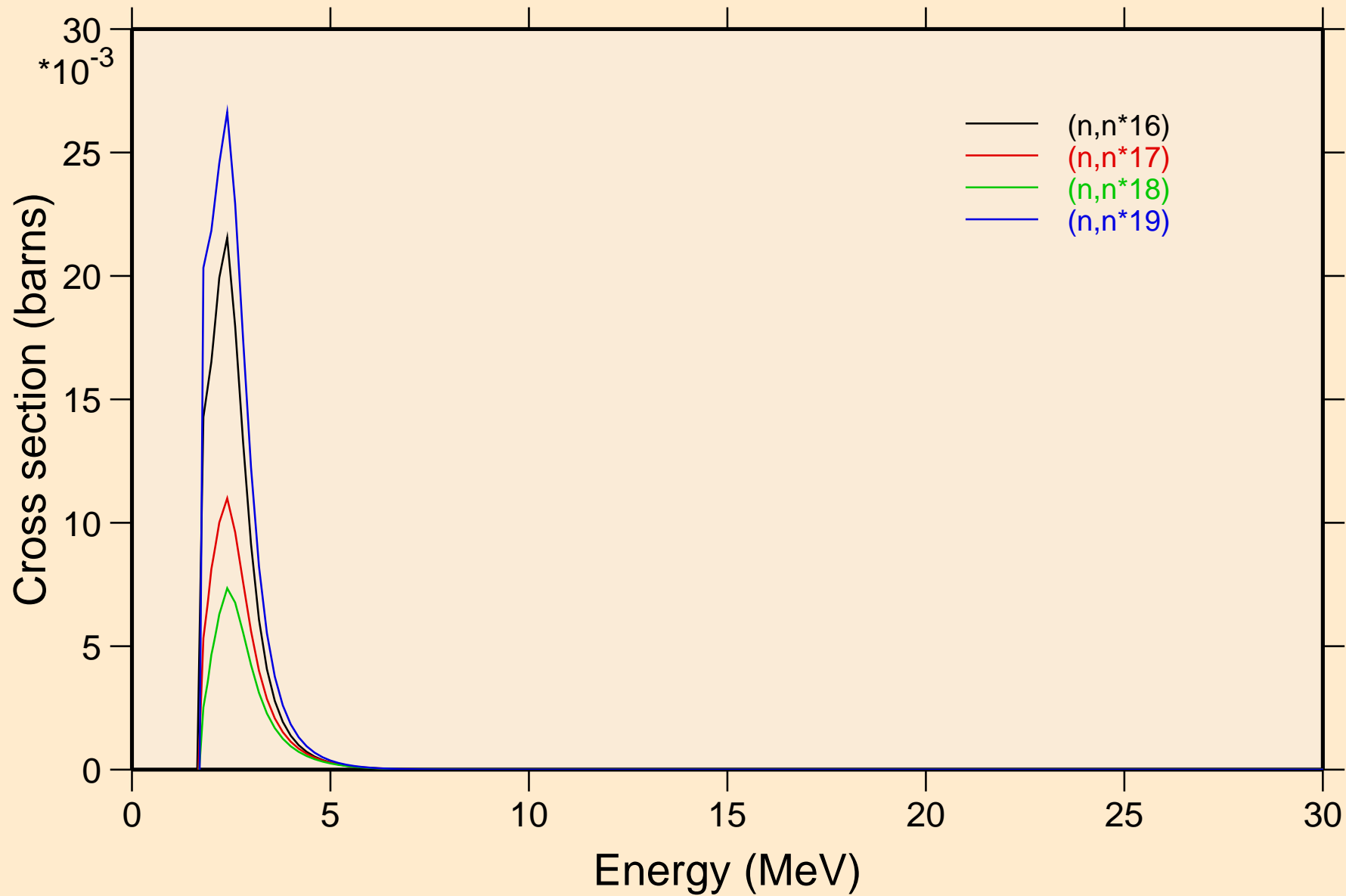
GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



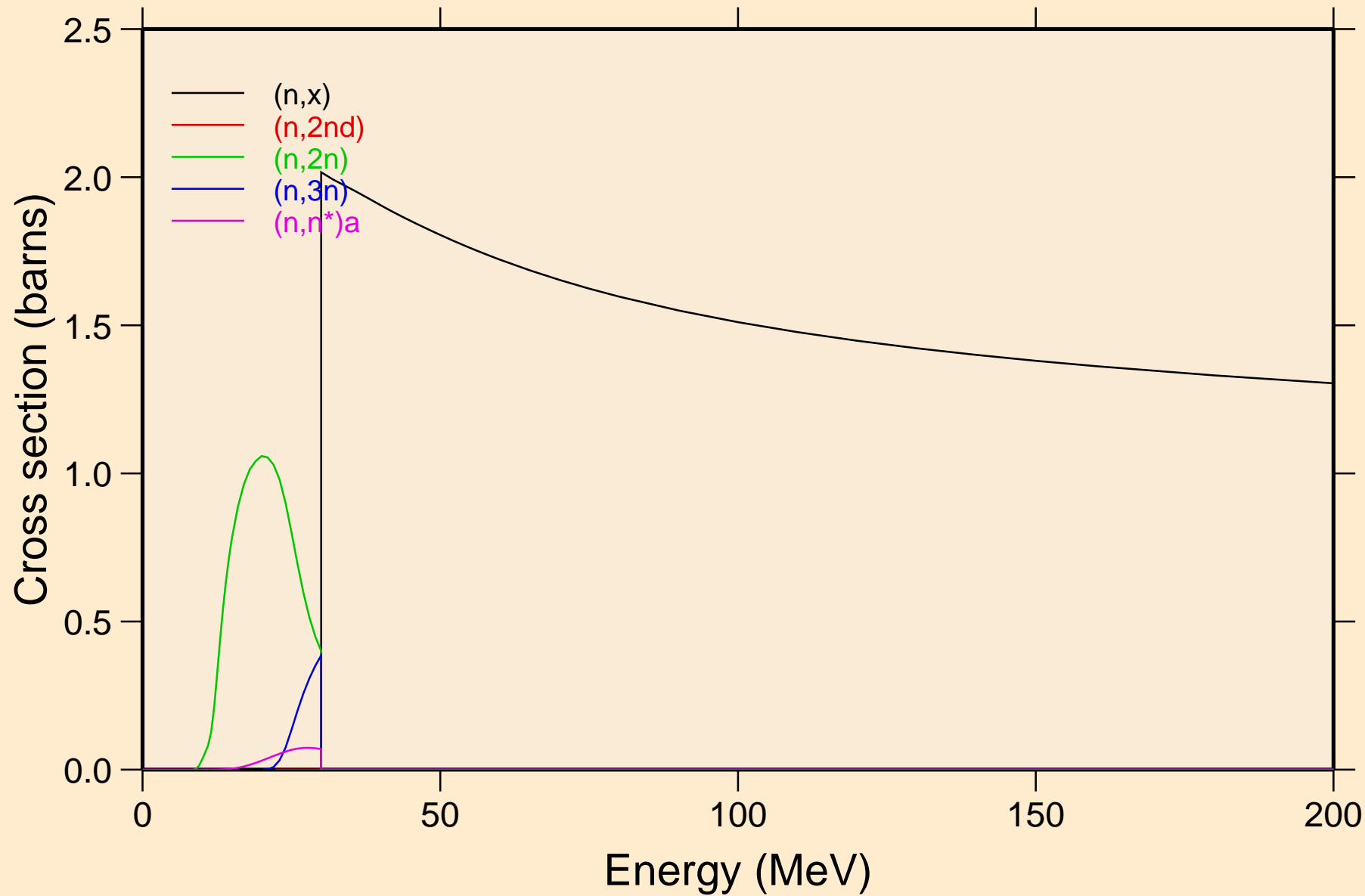
GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



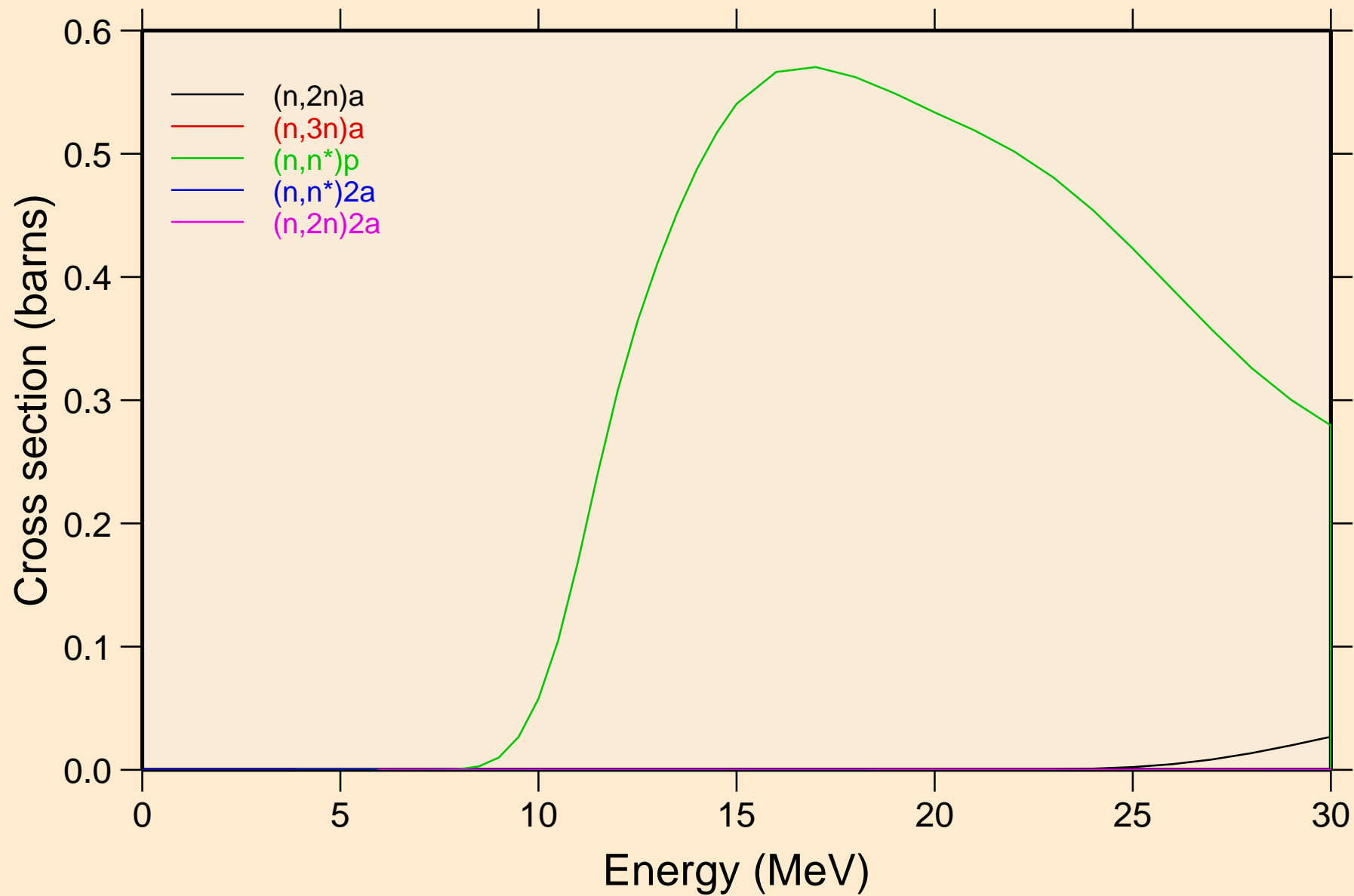
GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions

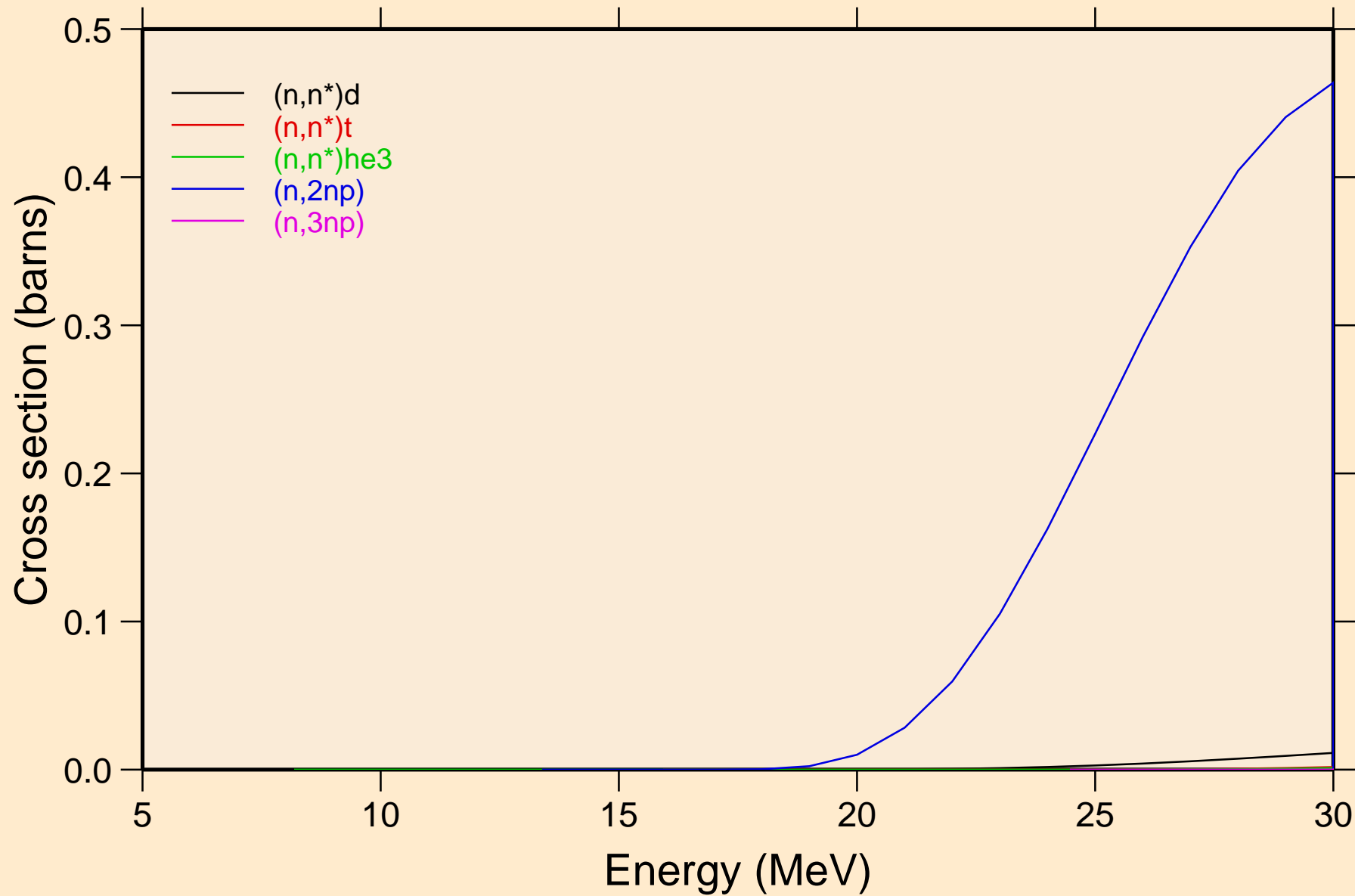


GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions

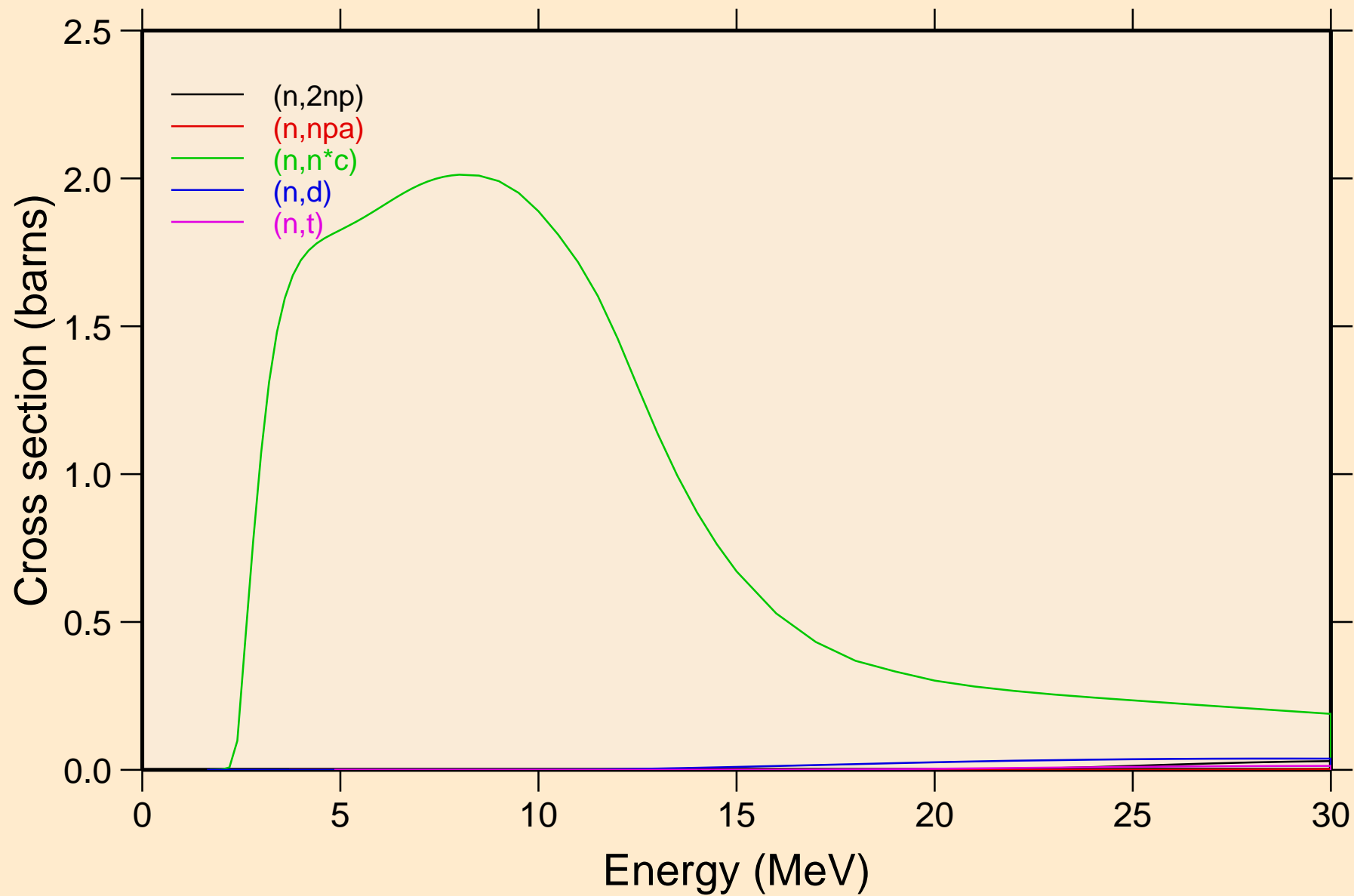




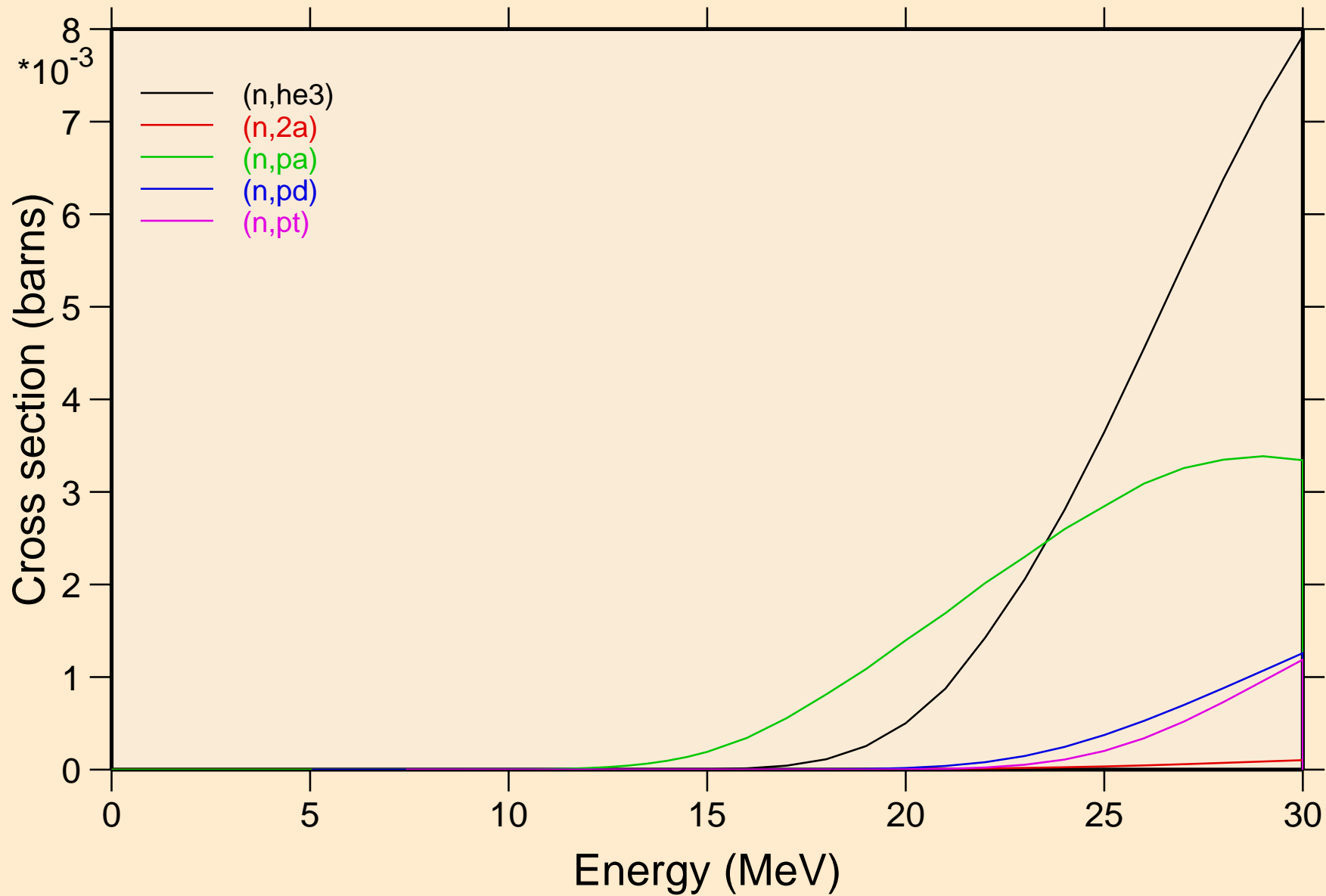
GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



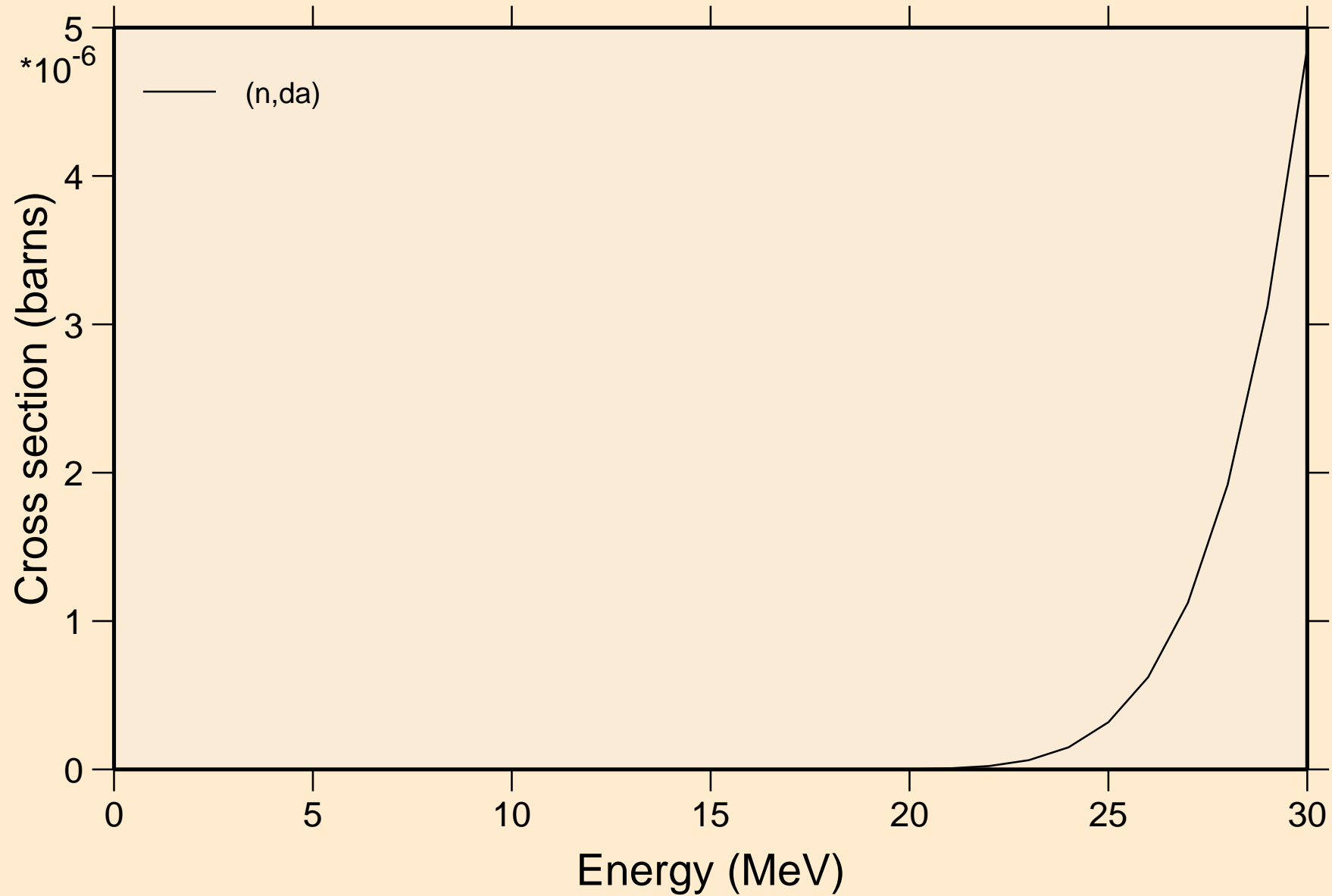
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Threshold reactions



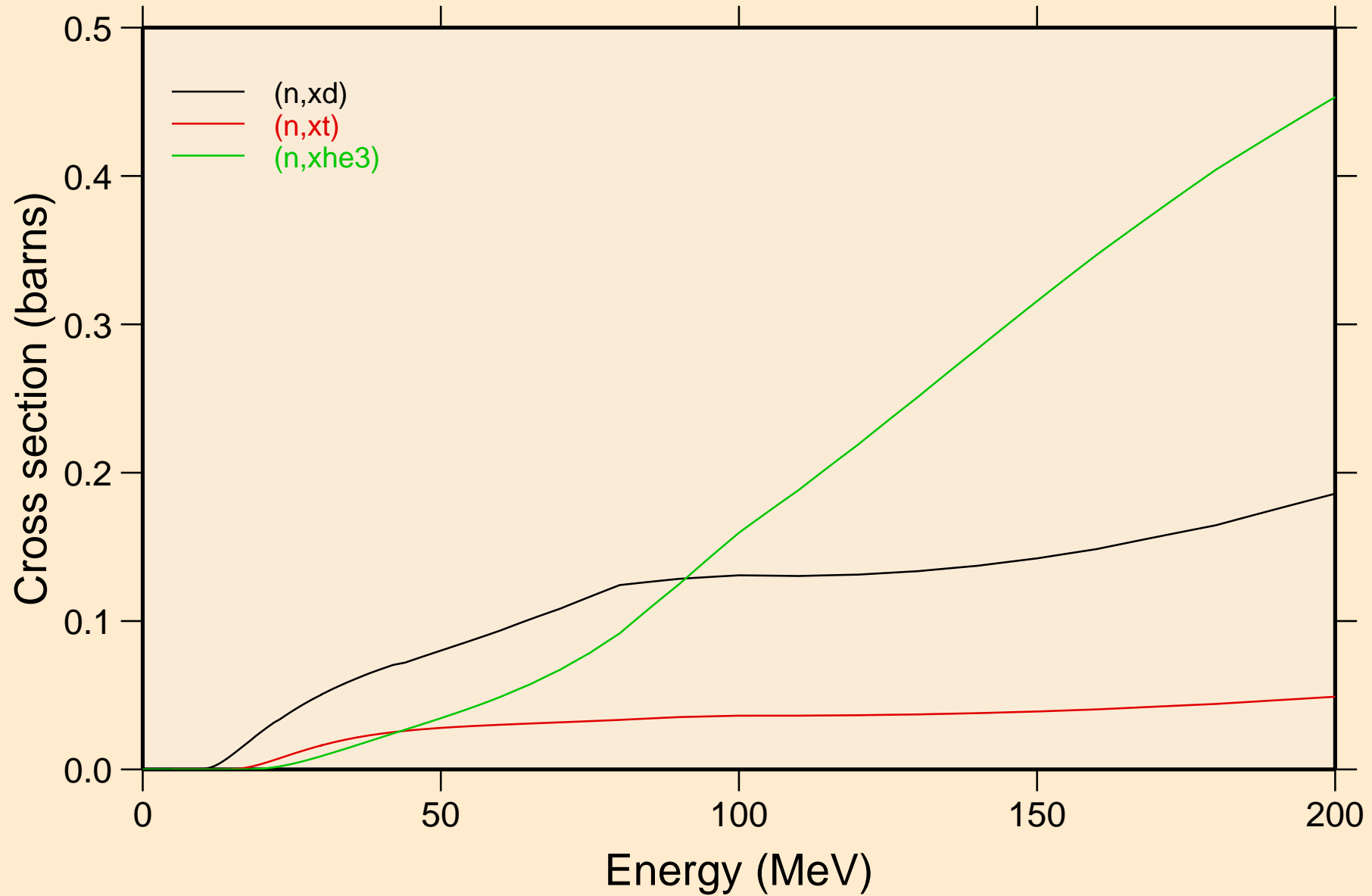
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Threshold reactions



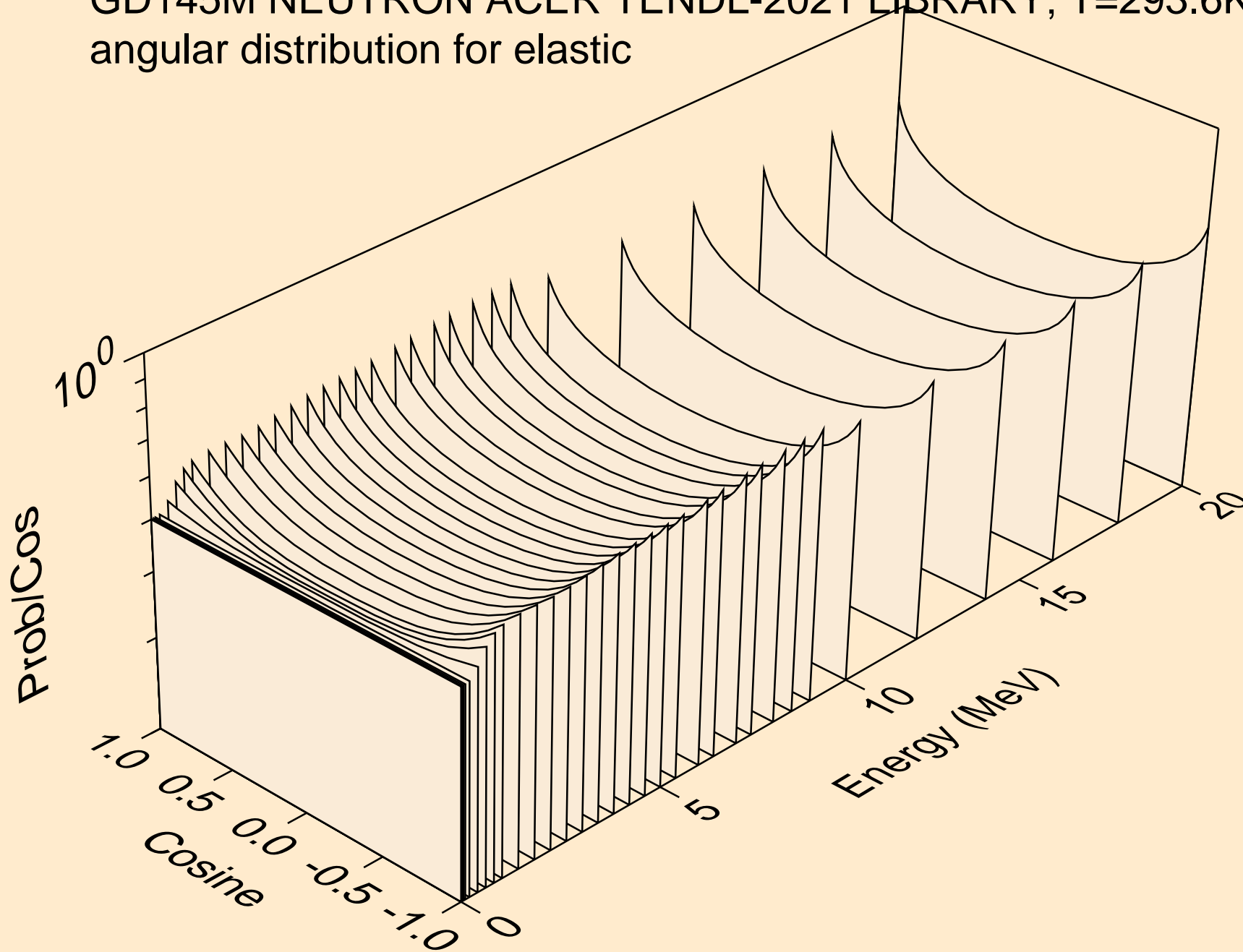
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Threshold reactions



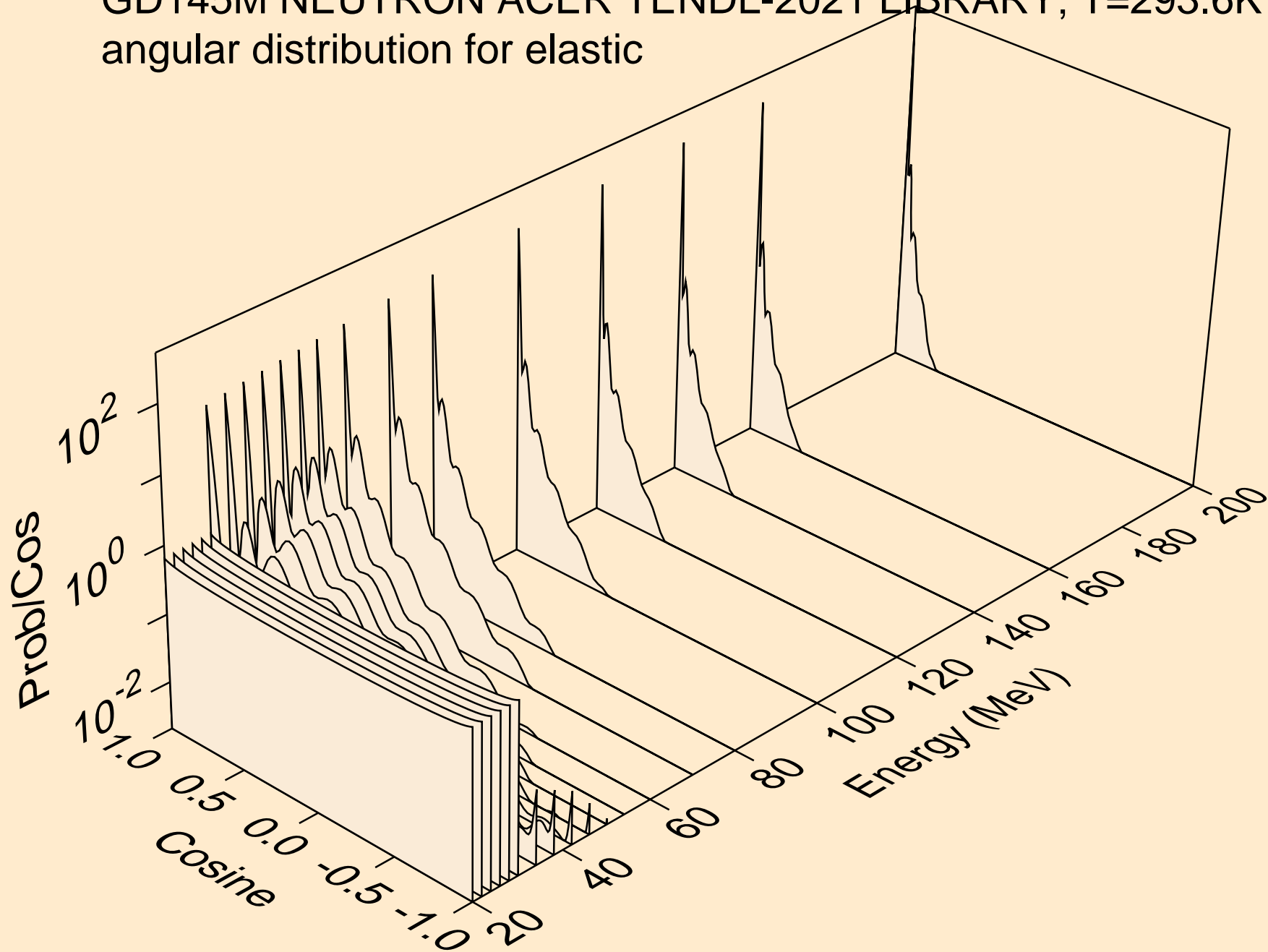
GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



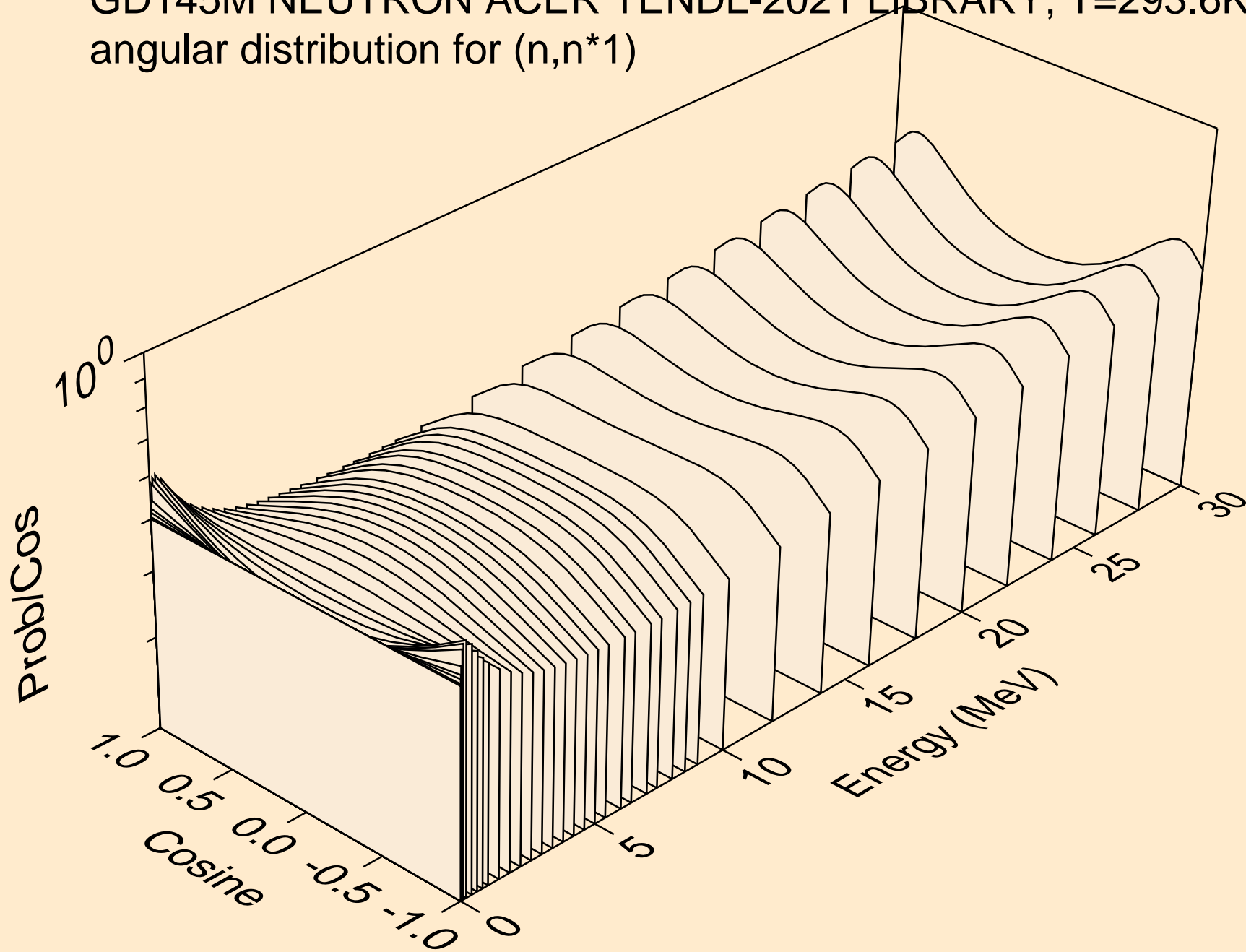
GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for elastic



GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for elastic

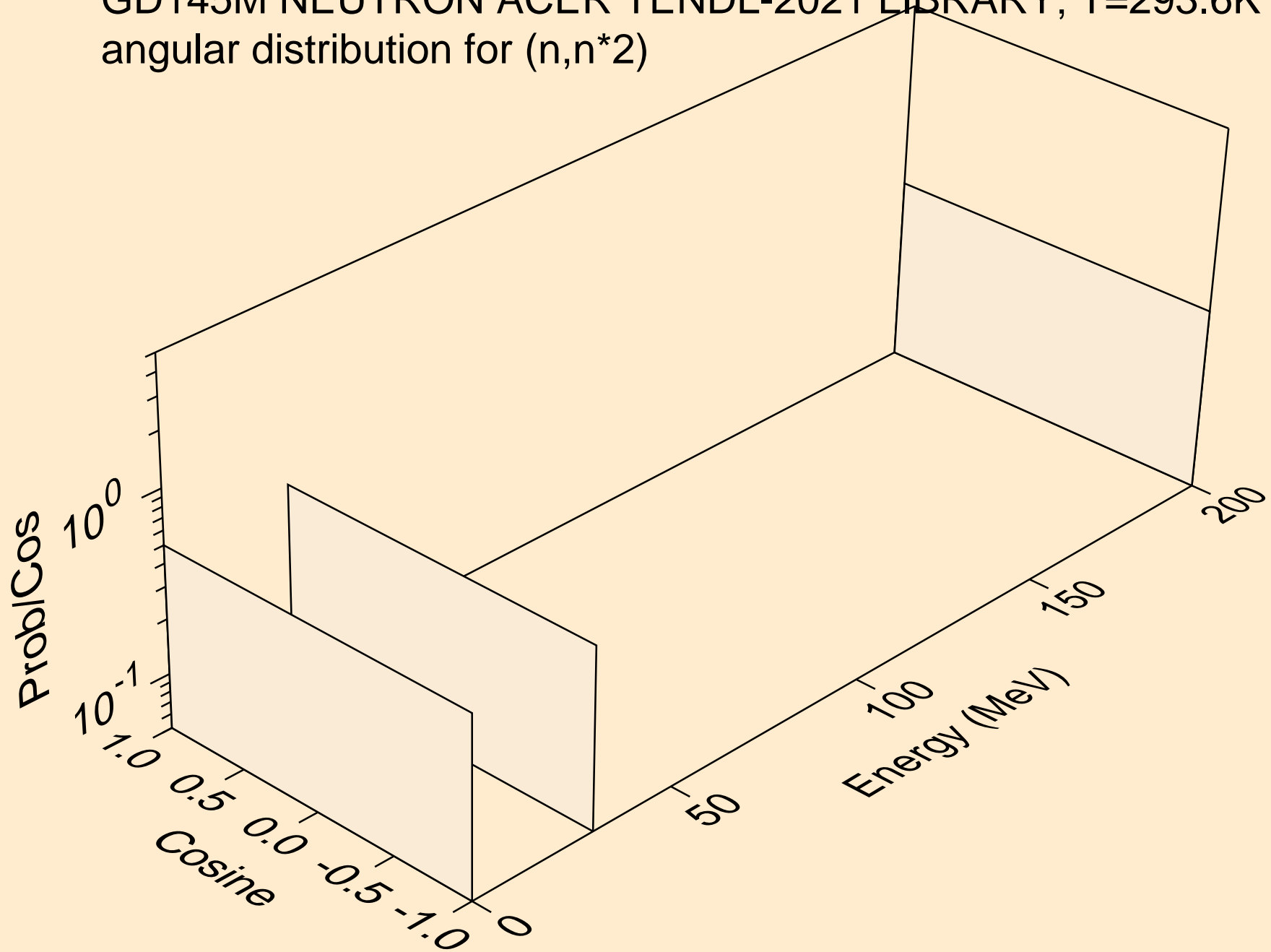


GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*1)

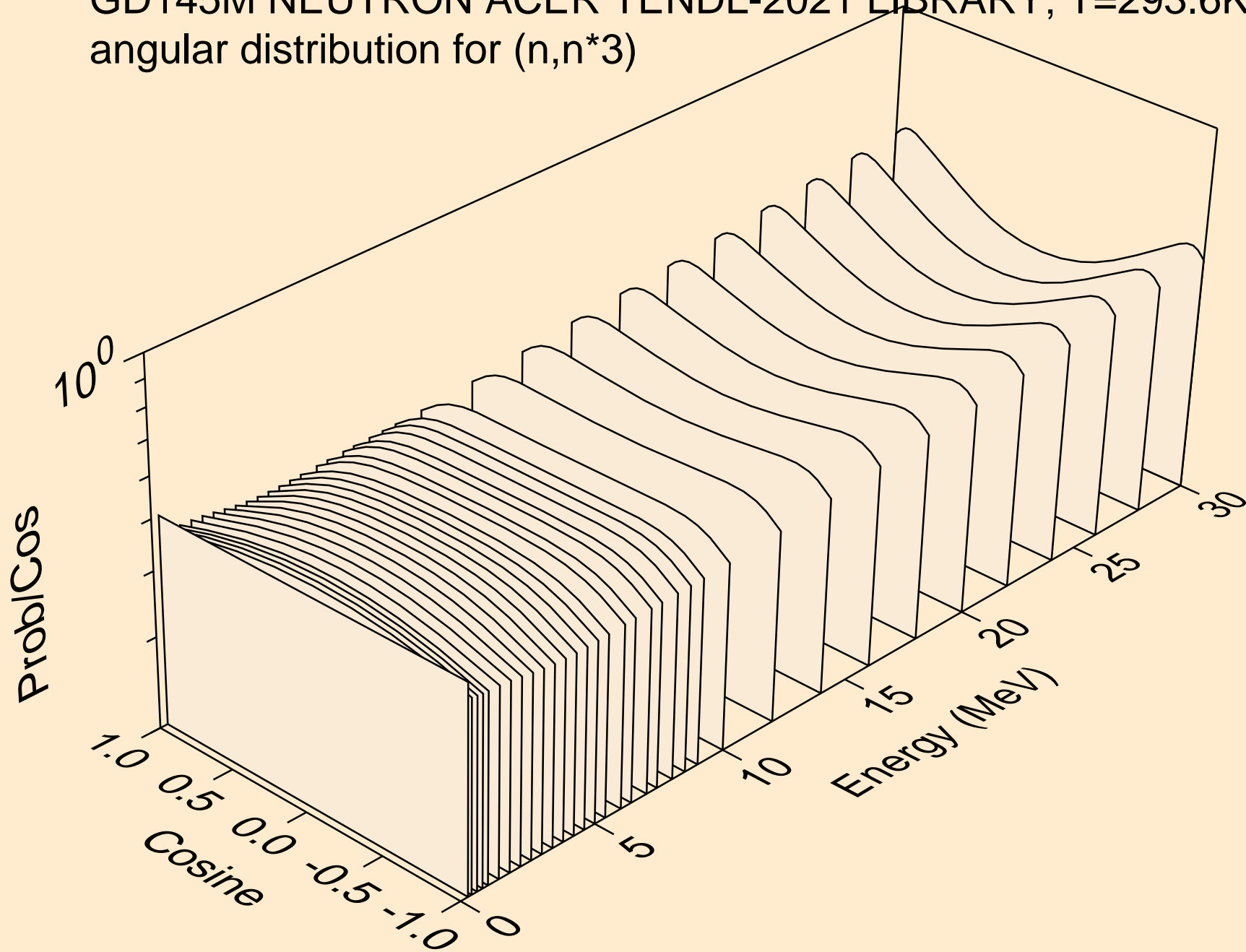




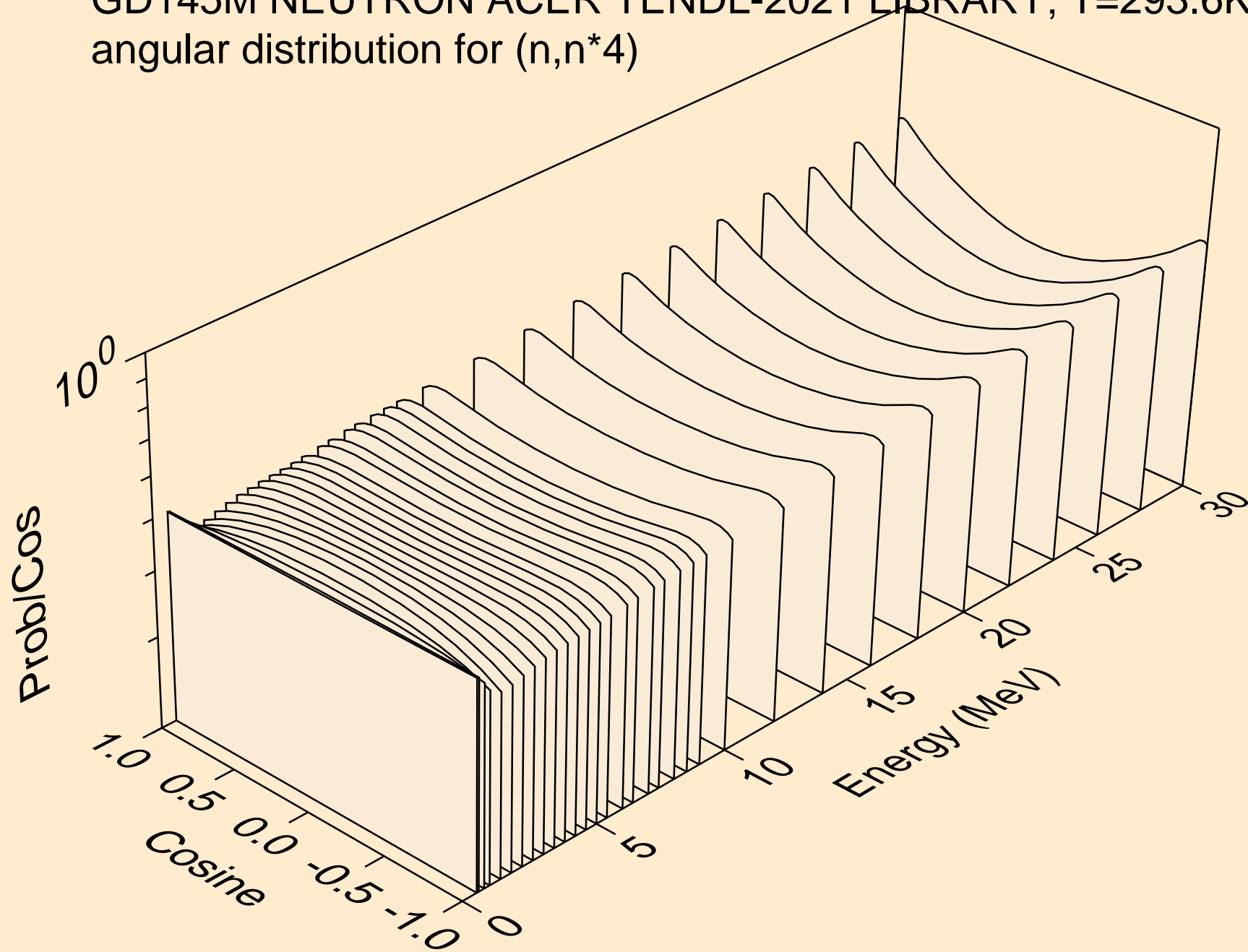
GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*2)



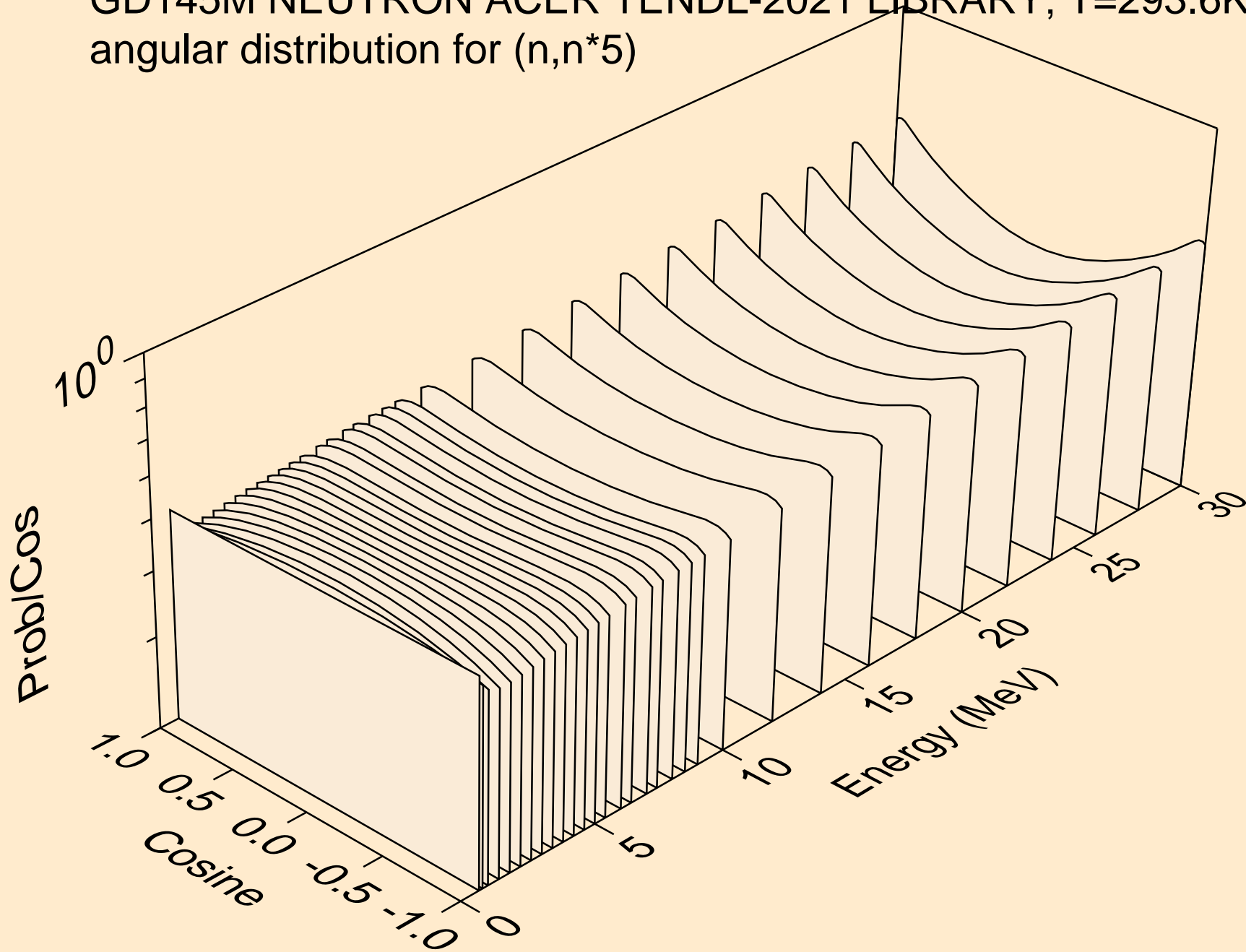
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angular distribution for (n,n\*3)



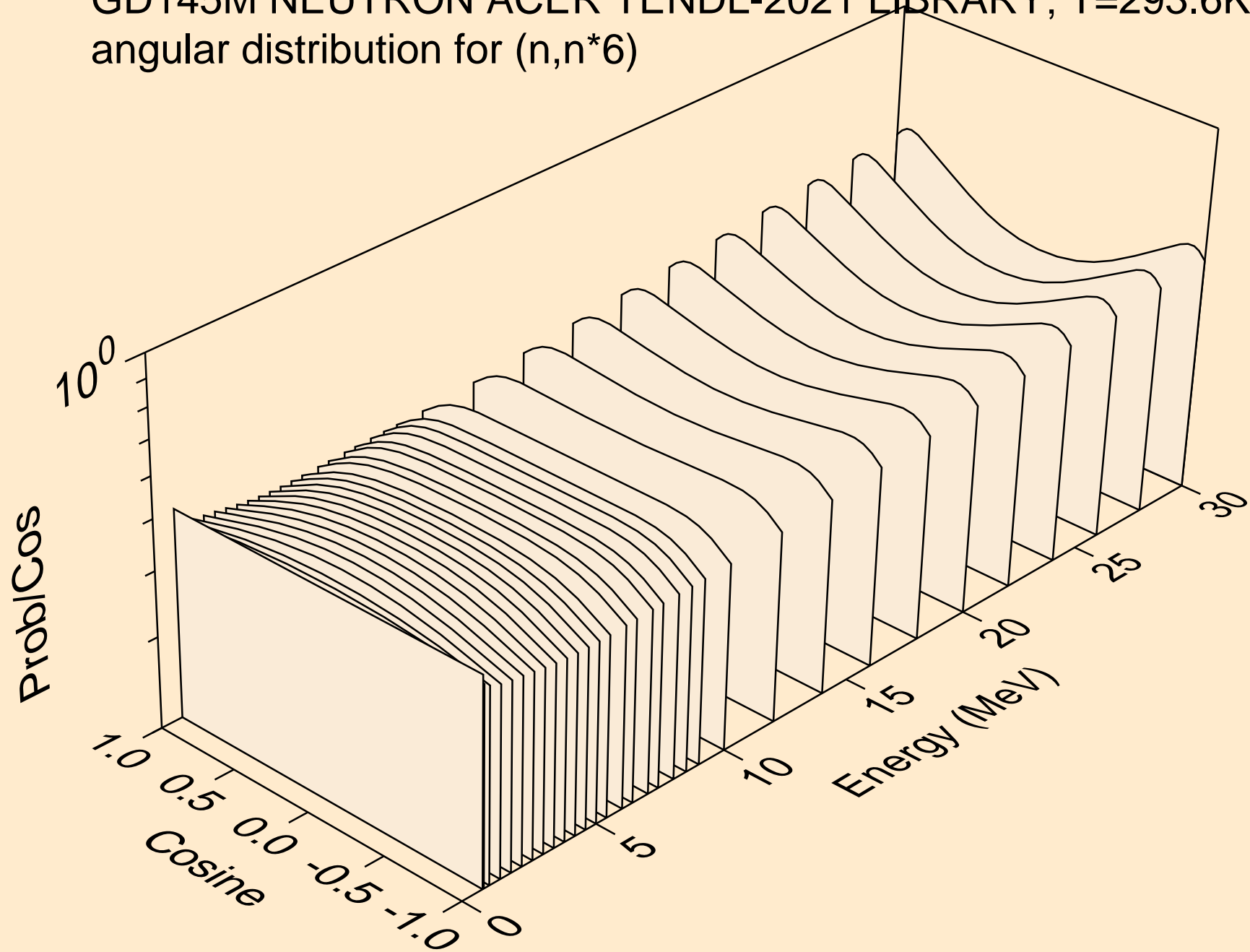
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angular distribution for (n,n\*4)



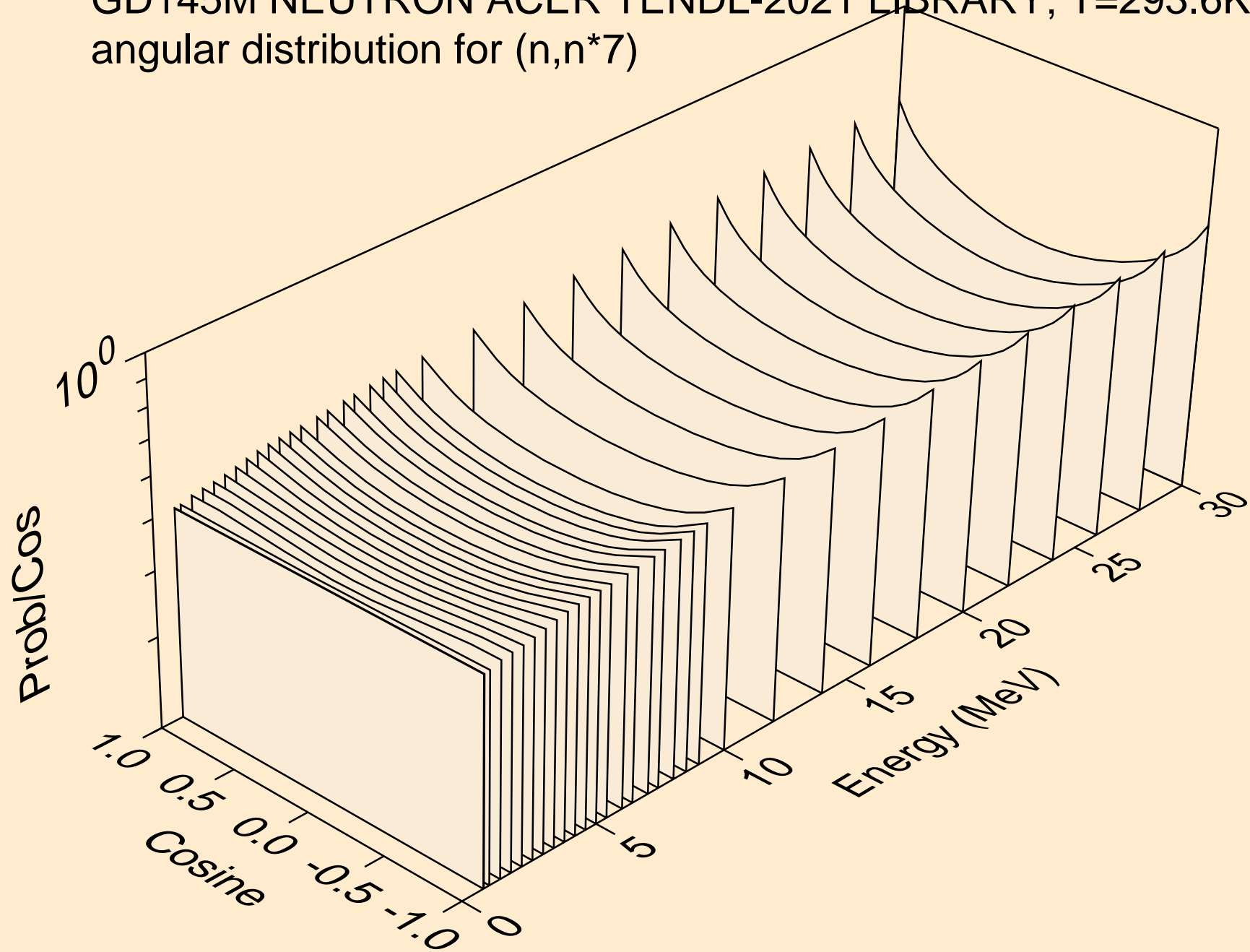
GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*5)



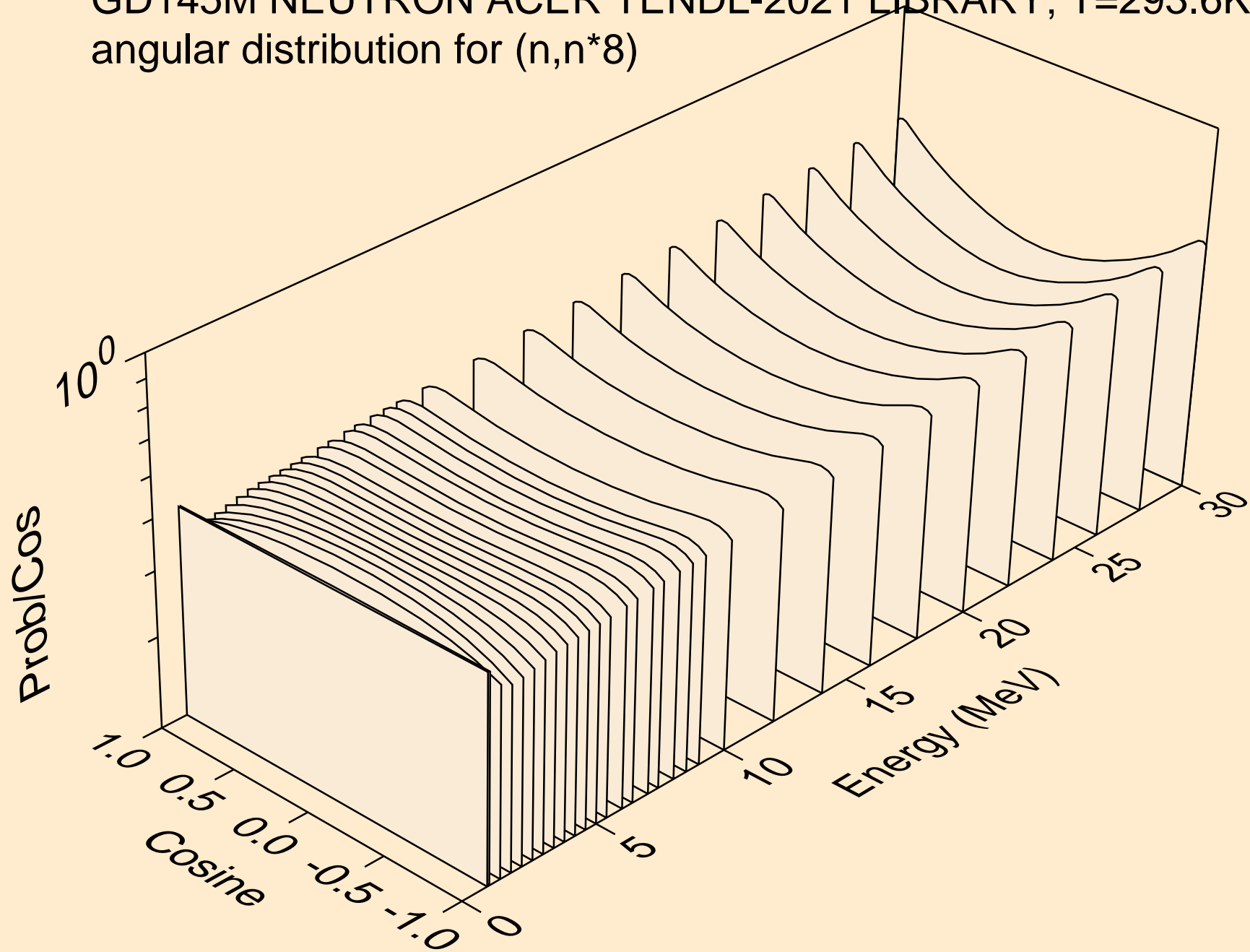
GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*6)



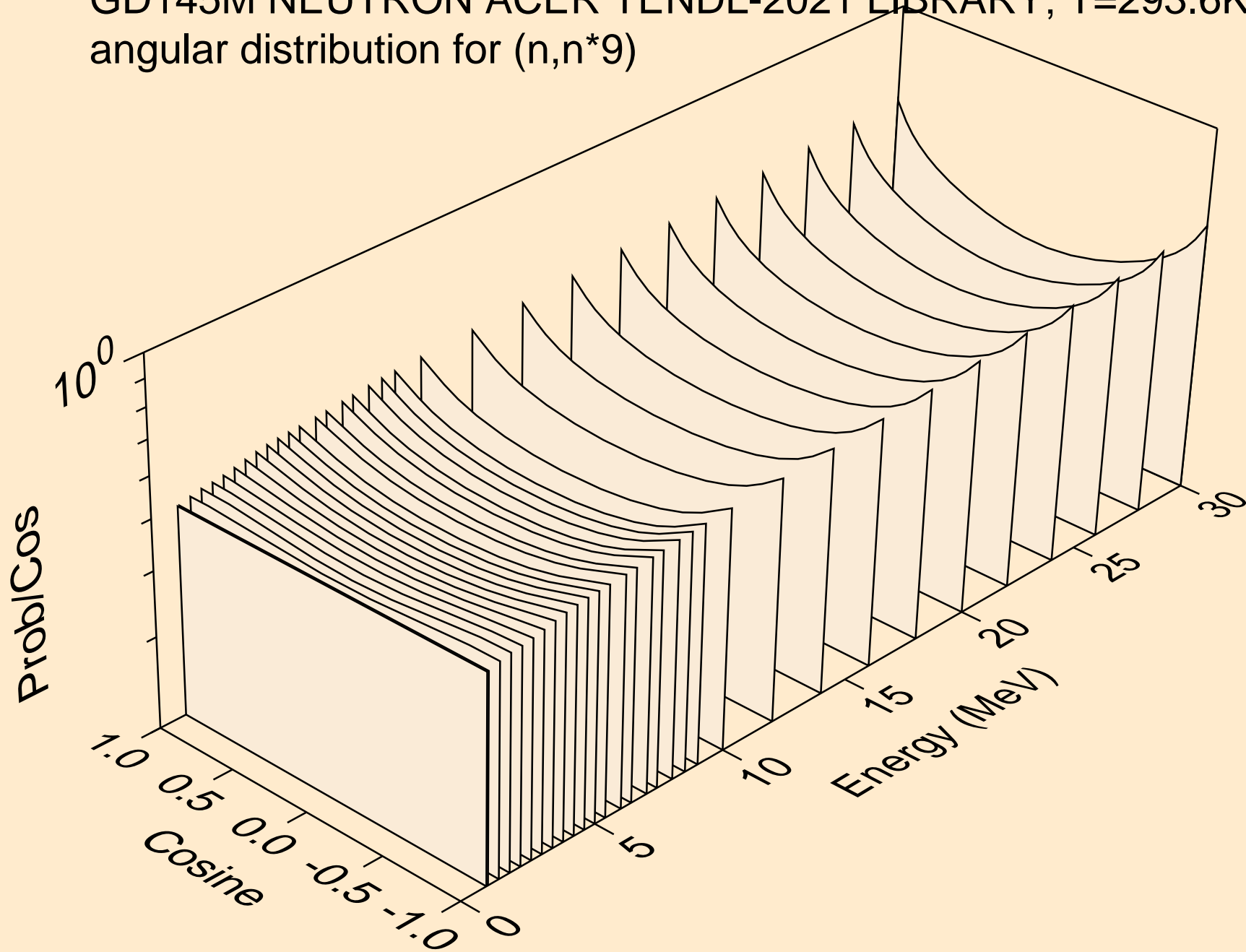
GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*7)



GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*8)

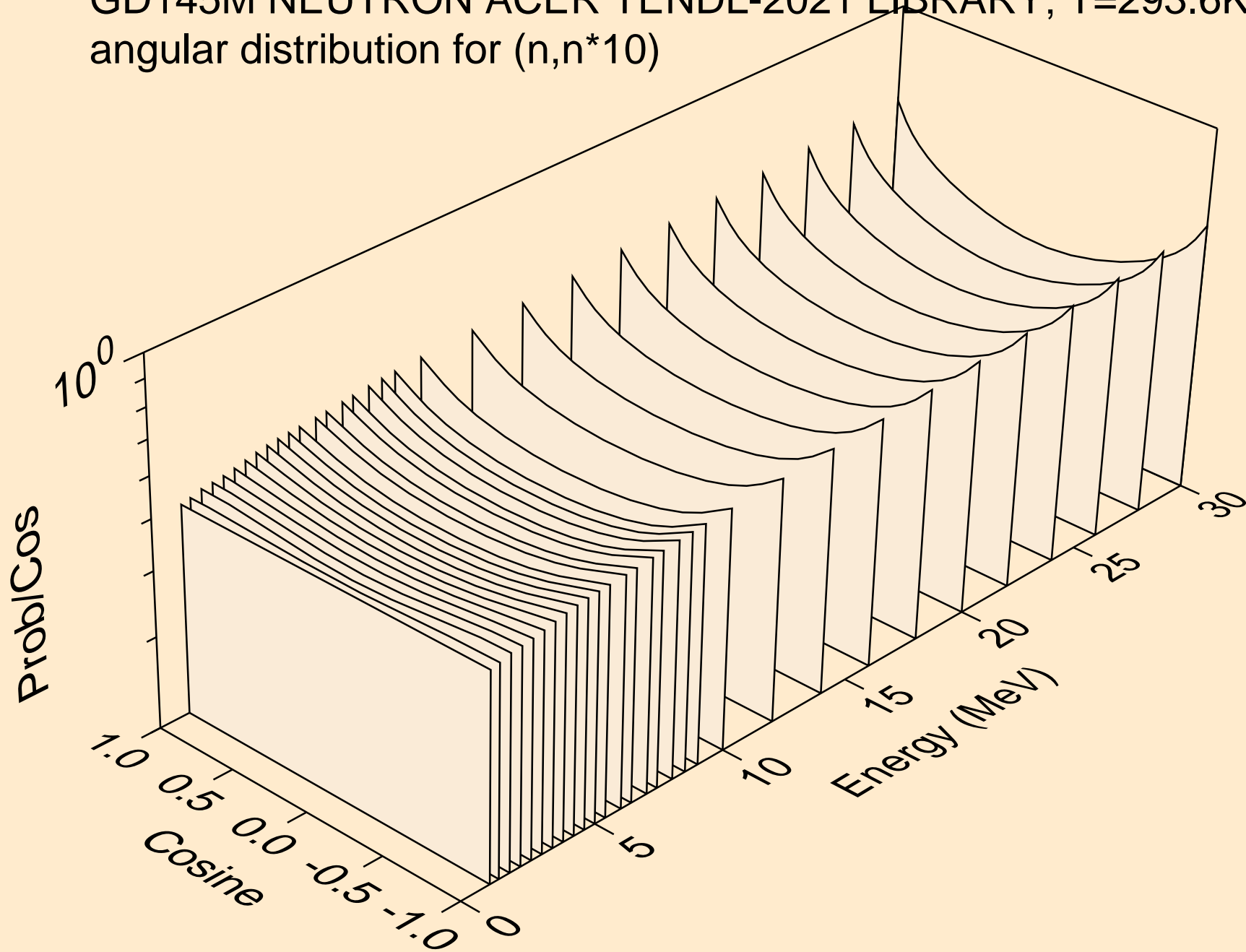


GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*9)

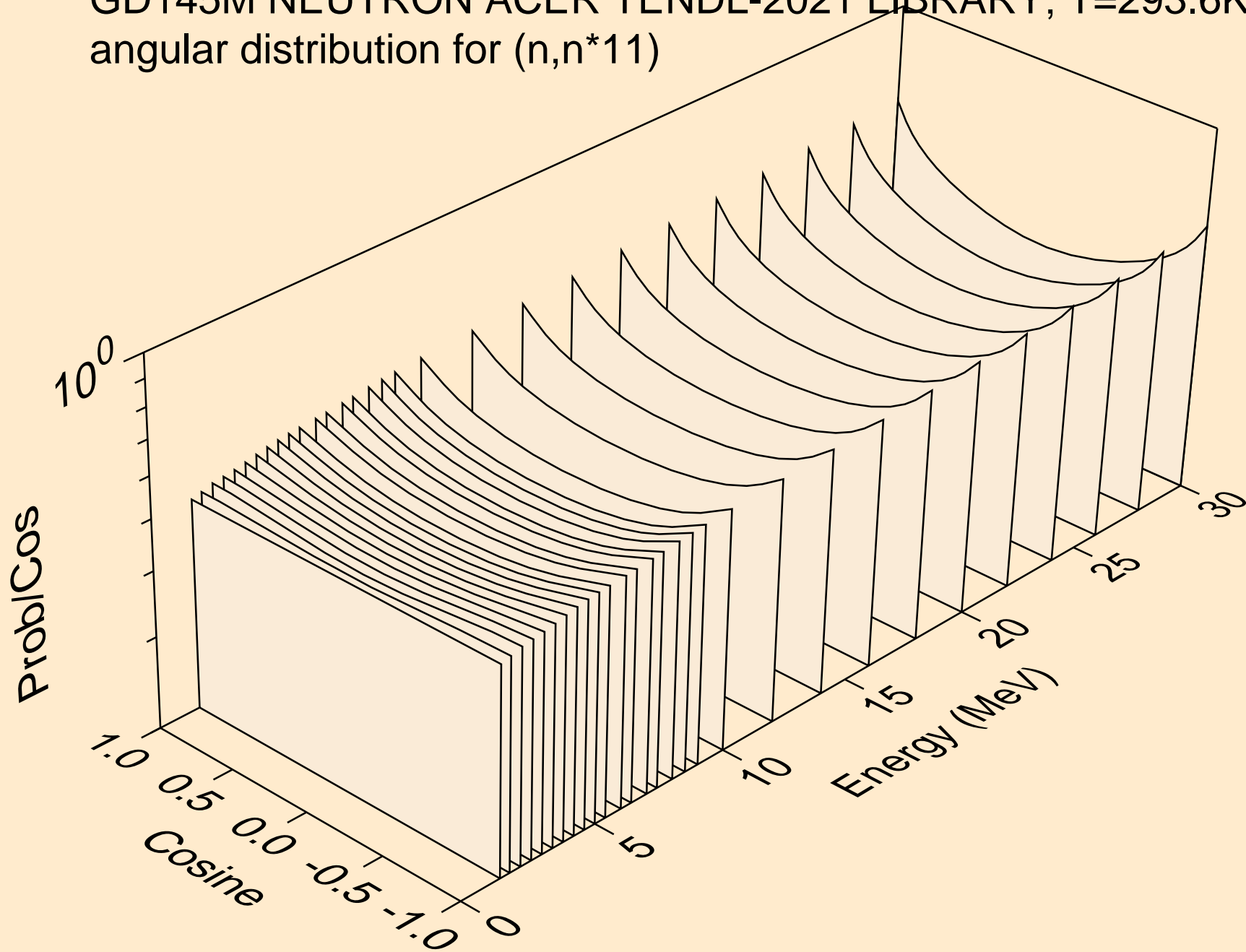




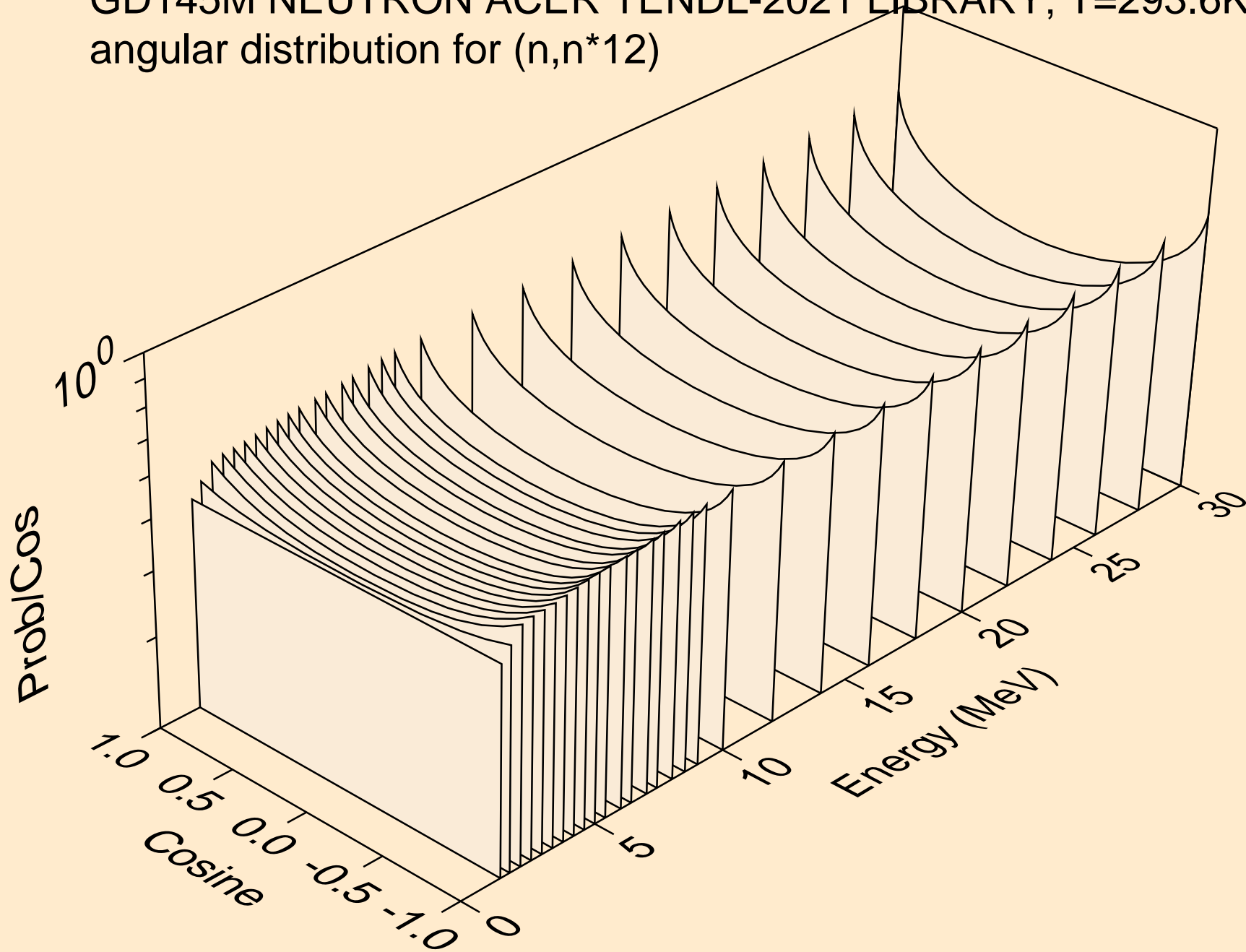
GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*10)



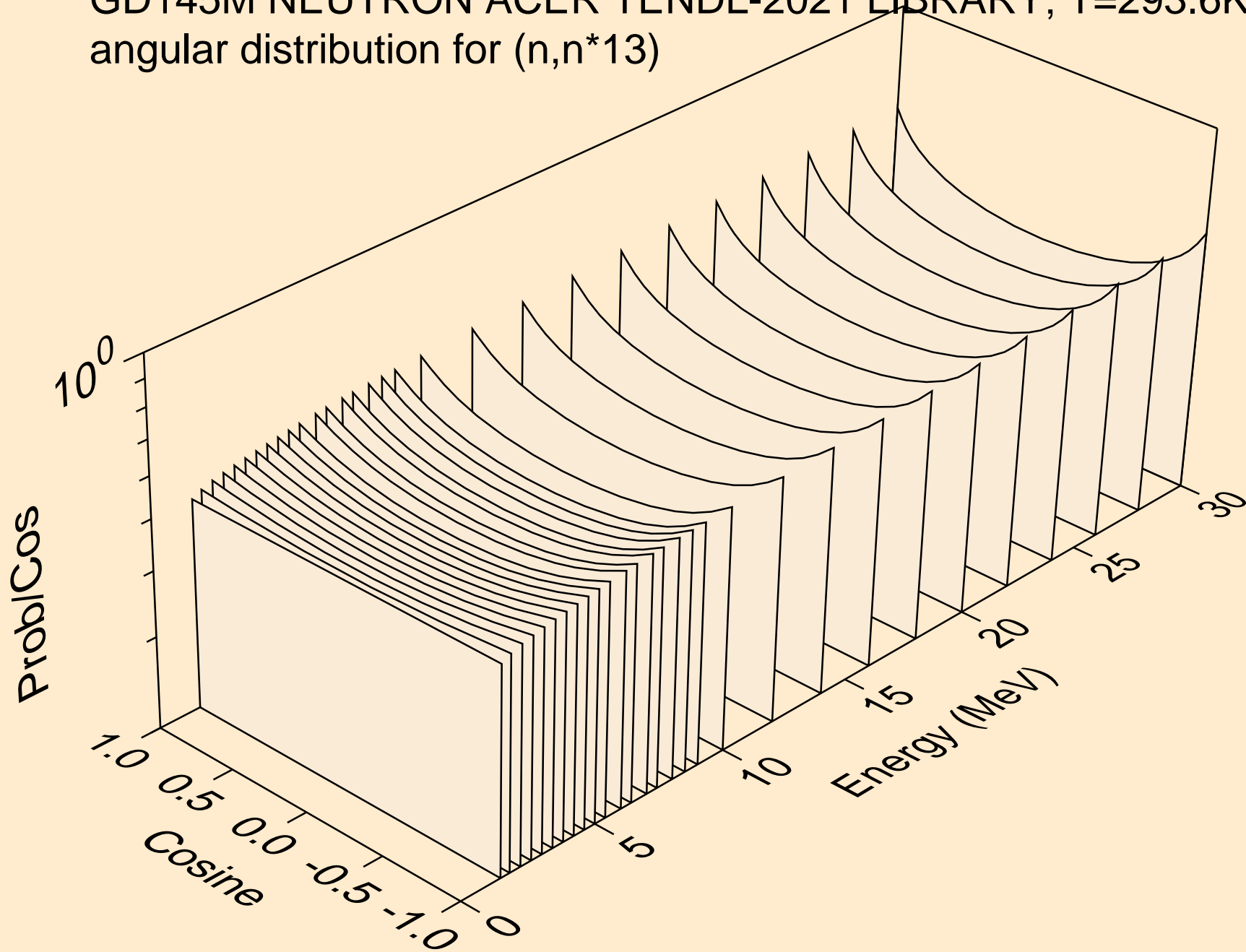
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angular distribution for (n,n\*11)



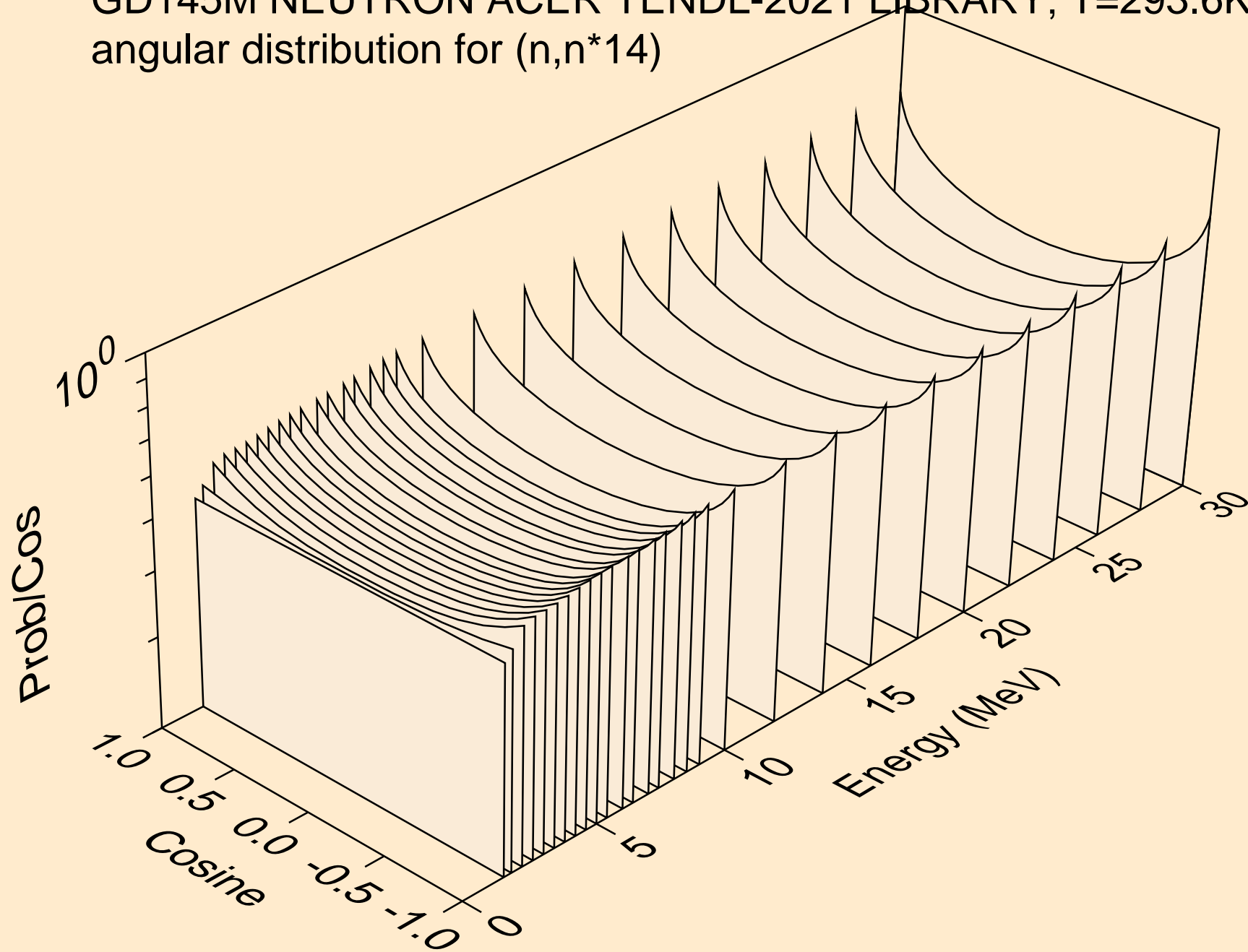
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angular distribution for (n,n\*12)



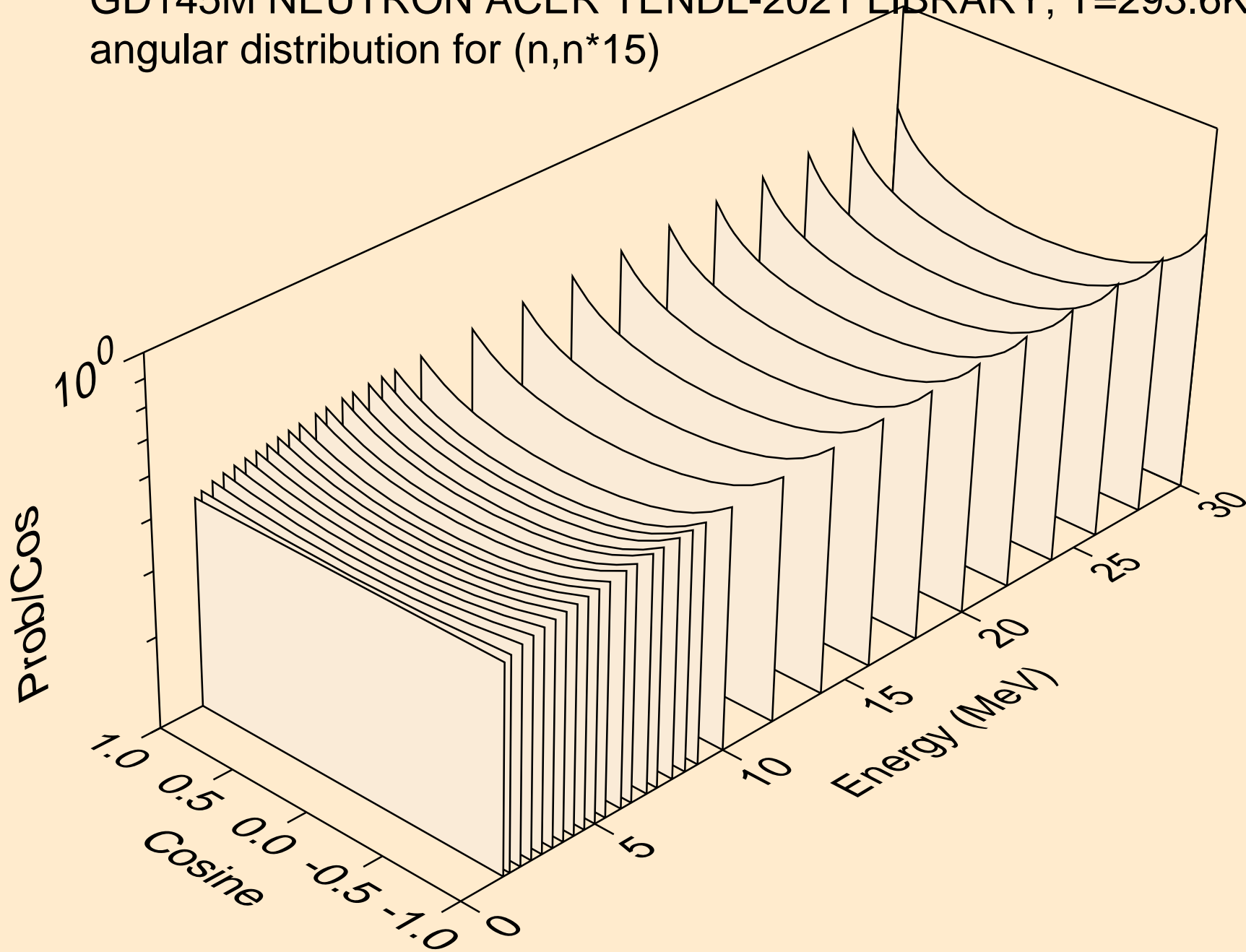
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angular distribution for (n,n\*13)



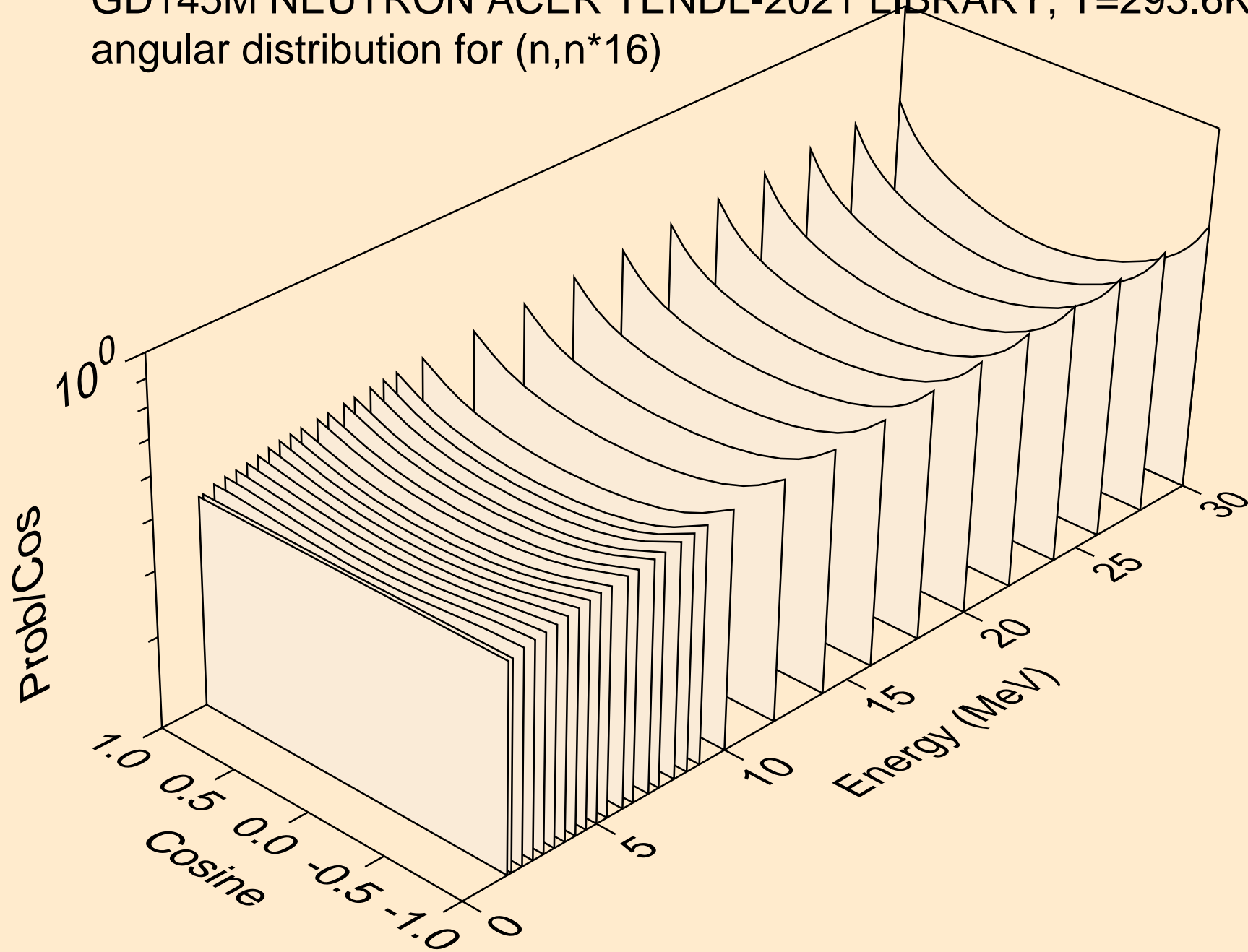
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angular distribution for (n,n\*14)



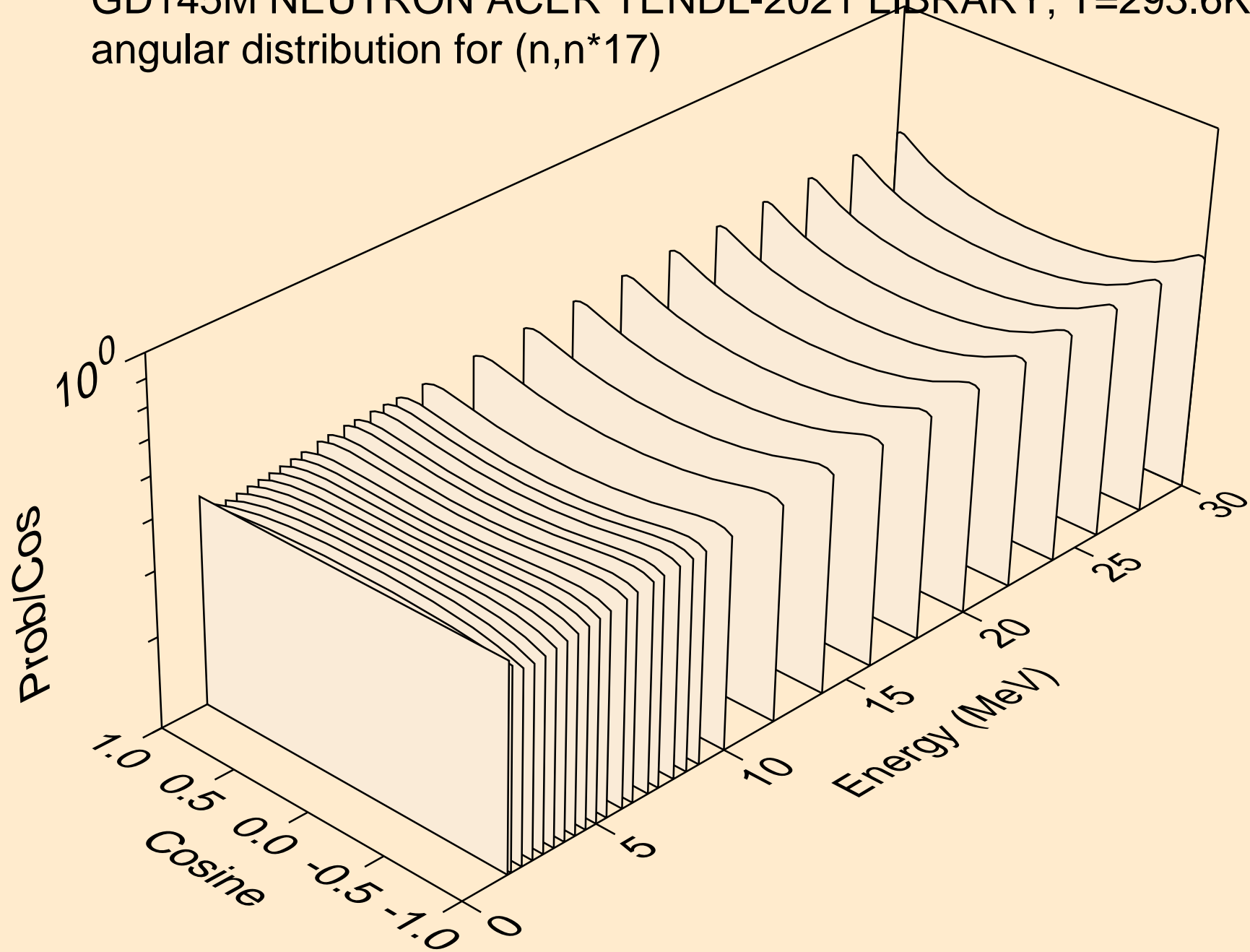
GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*15)



GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*16)

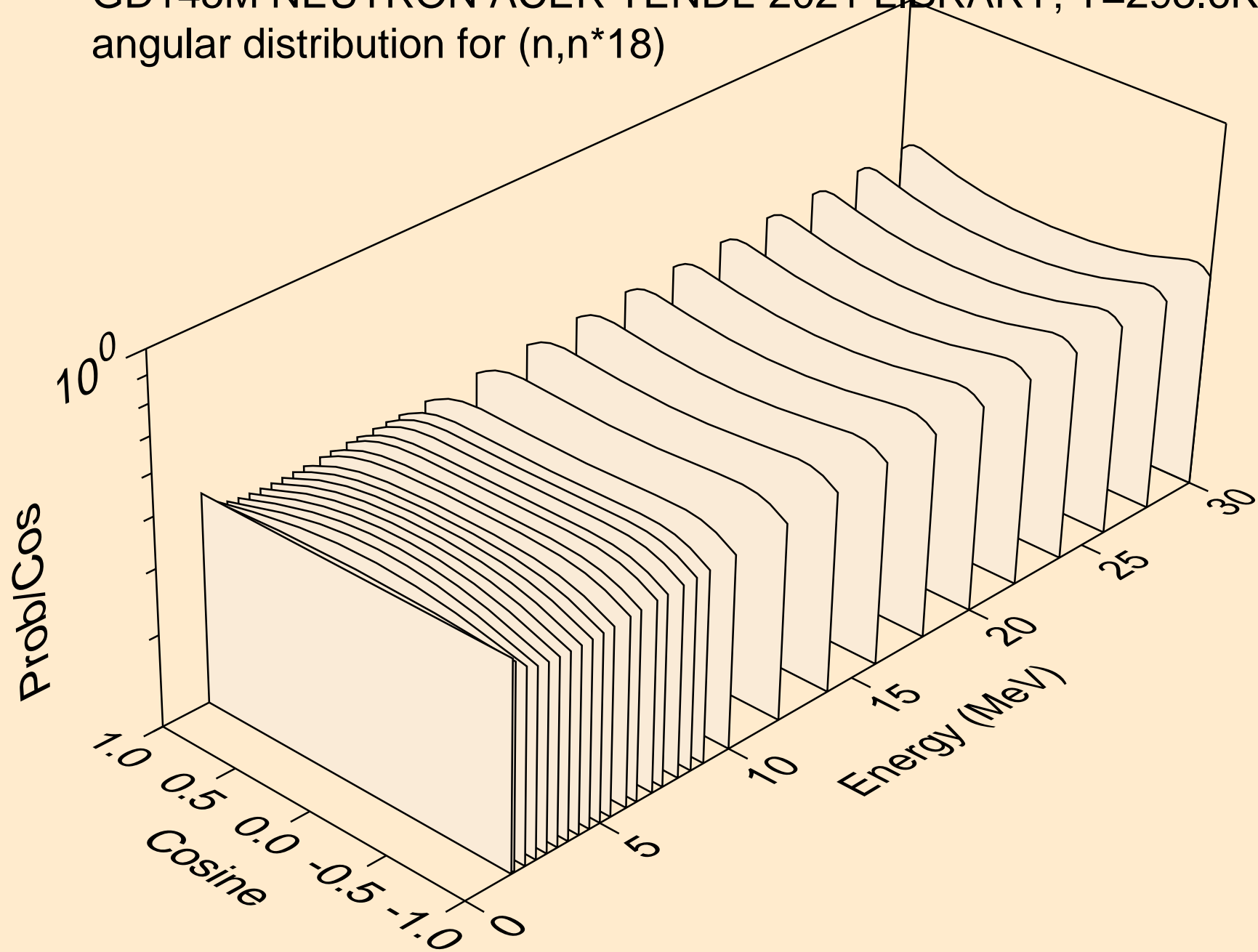


GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*17)

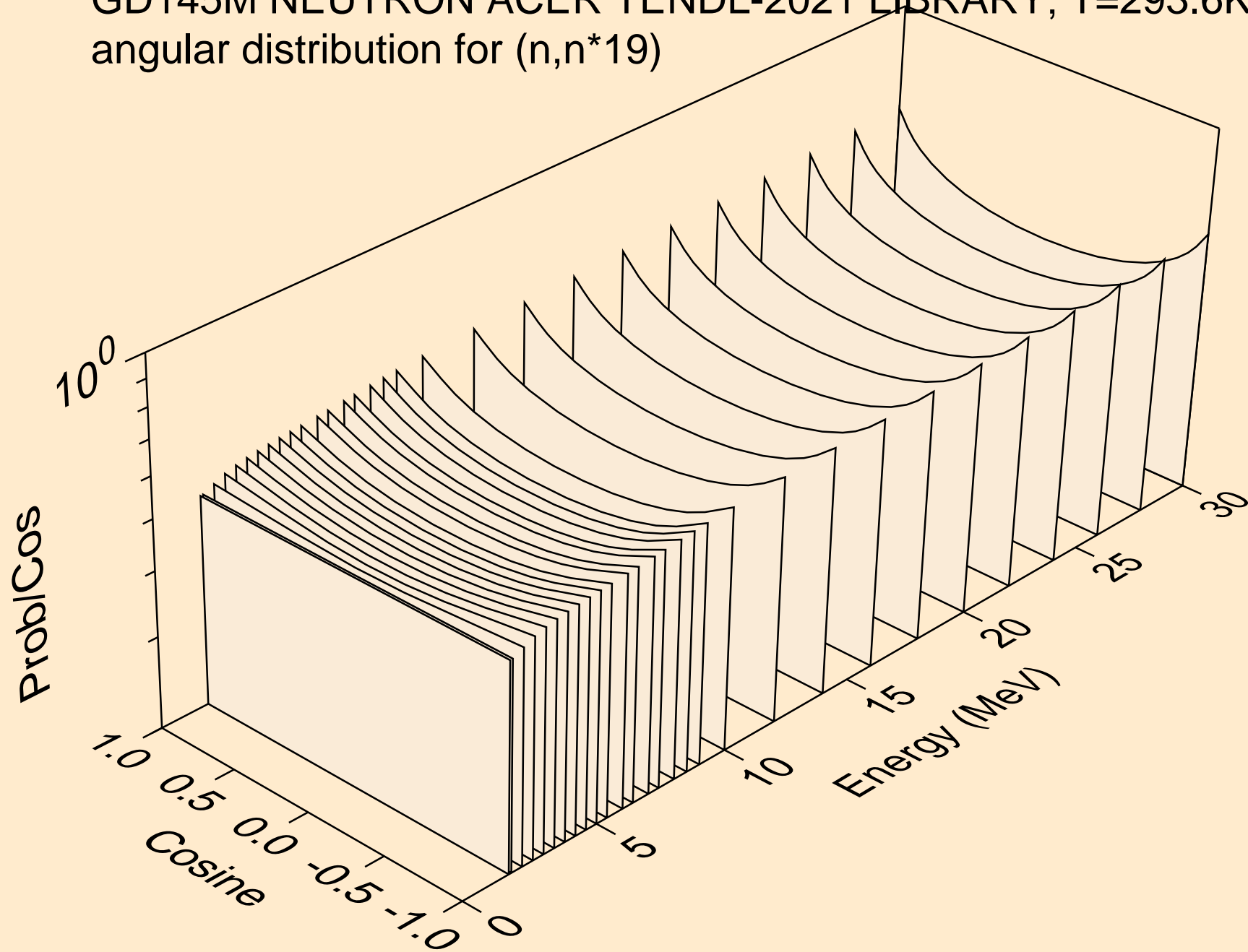




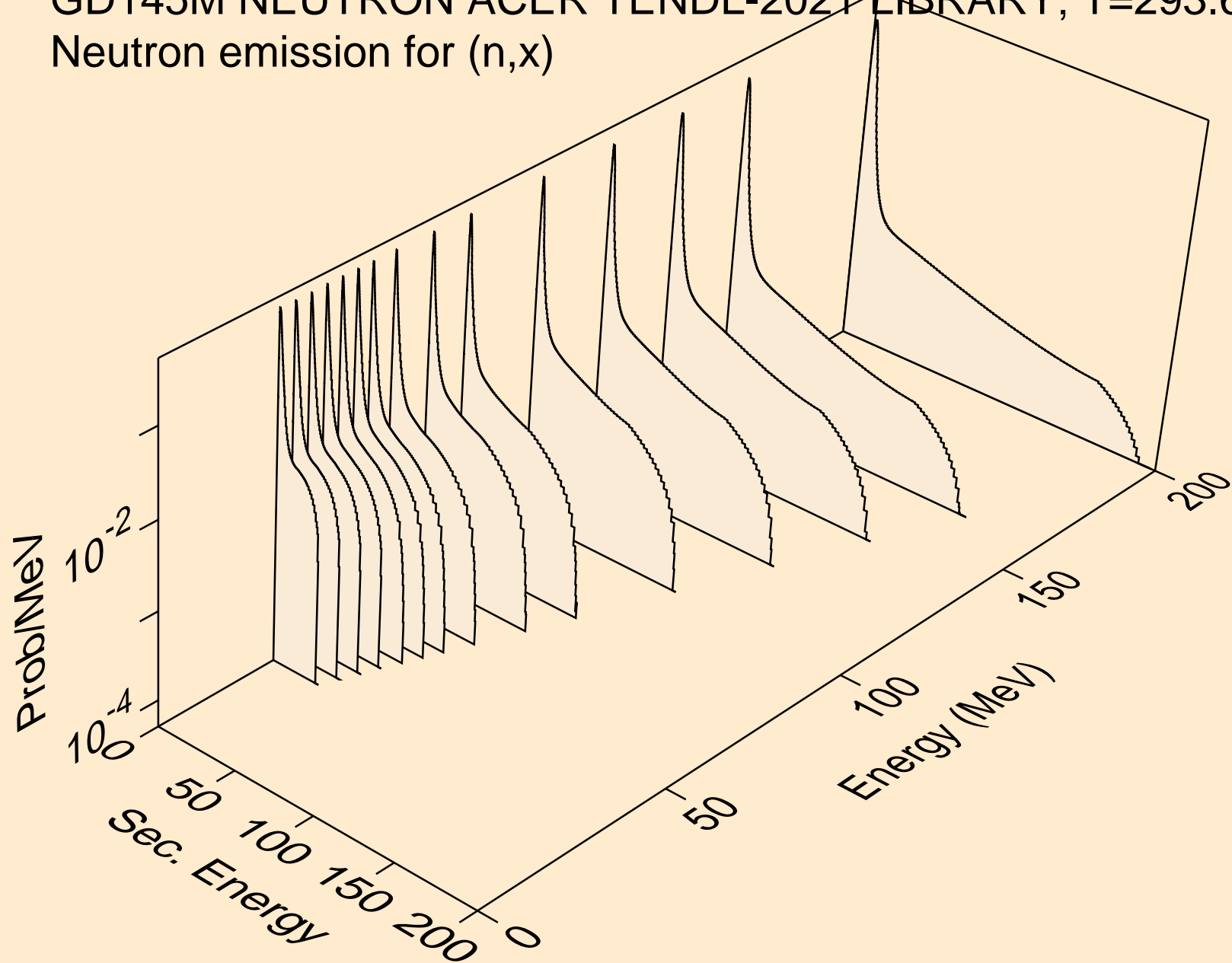
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angular distribution for (n,n\*18)



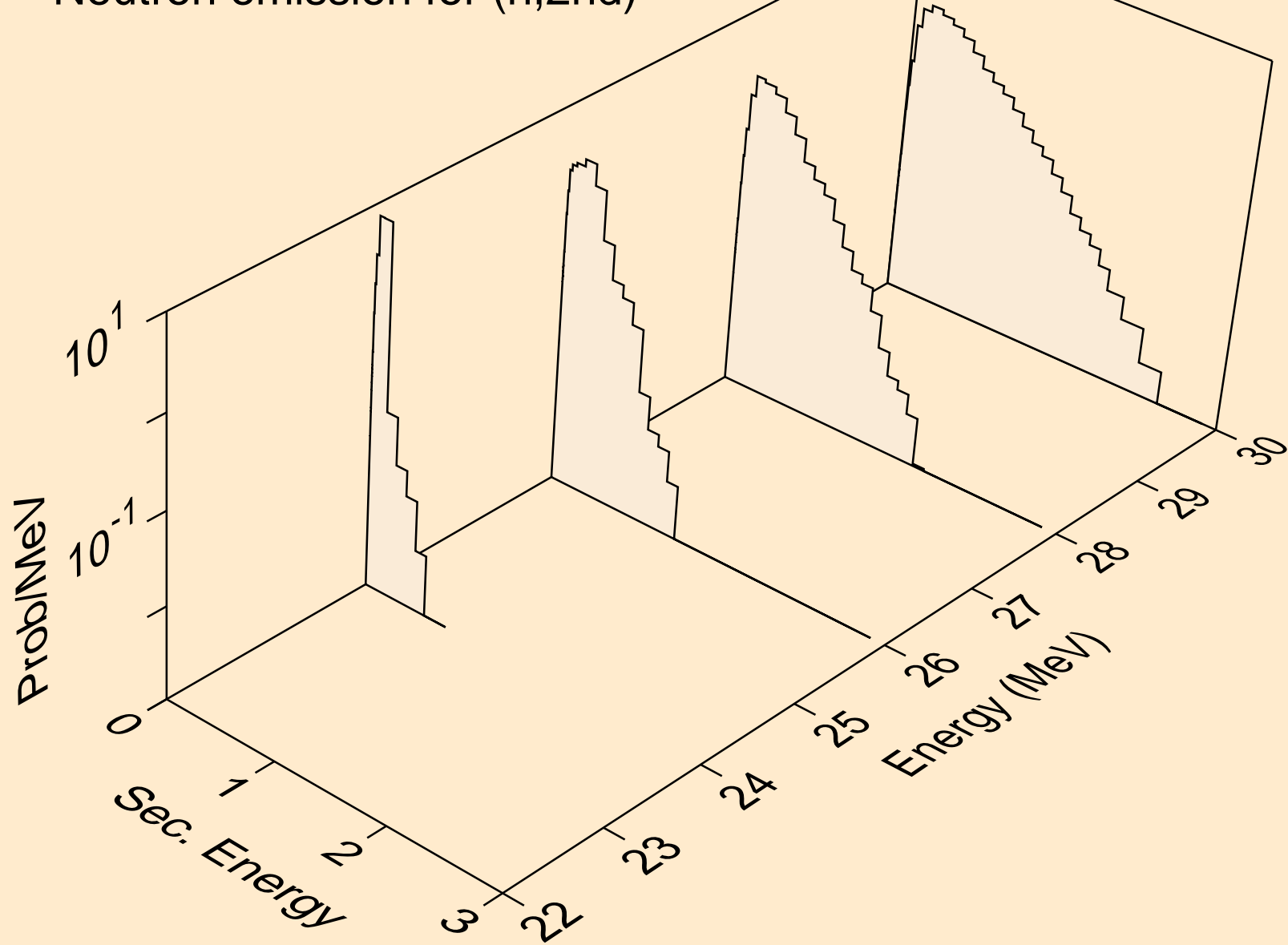
GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*19)



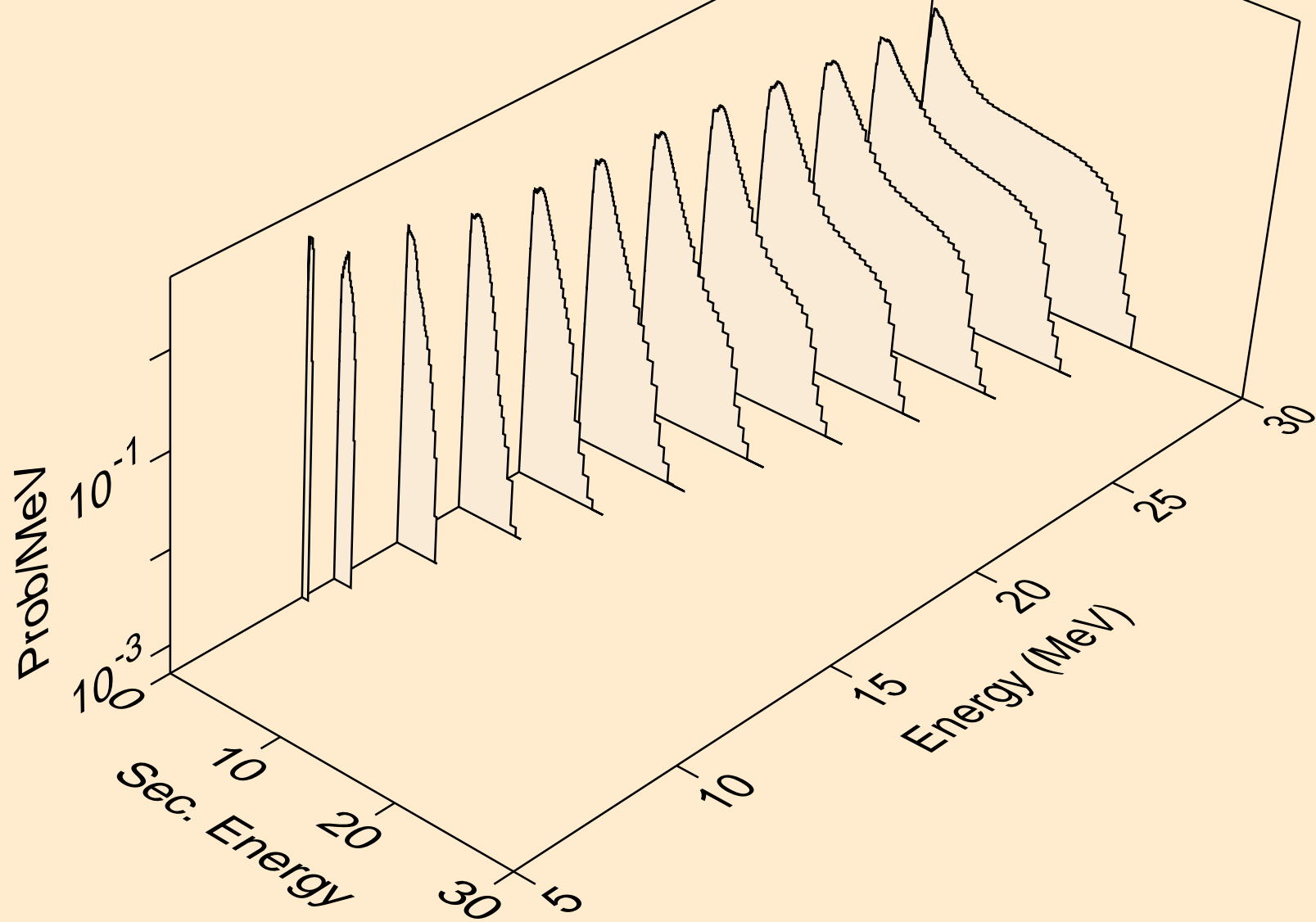
GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,x)



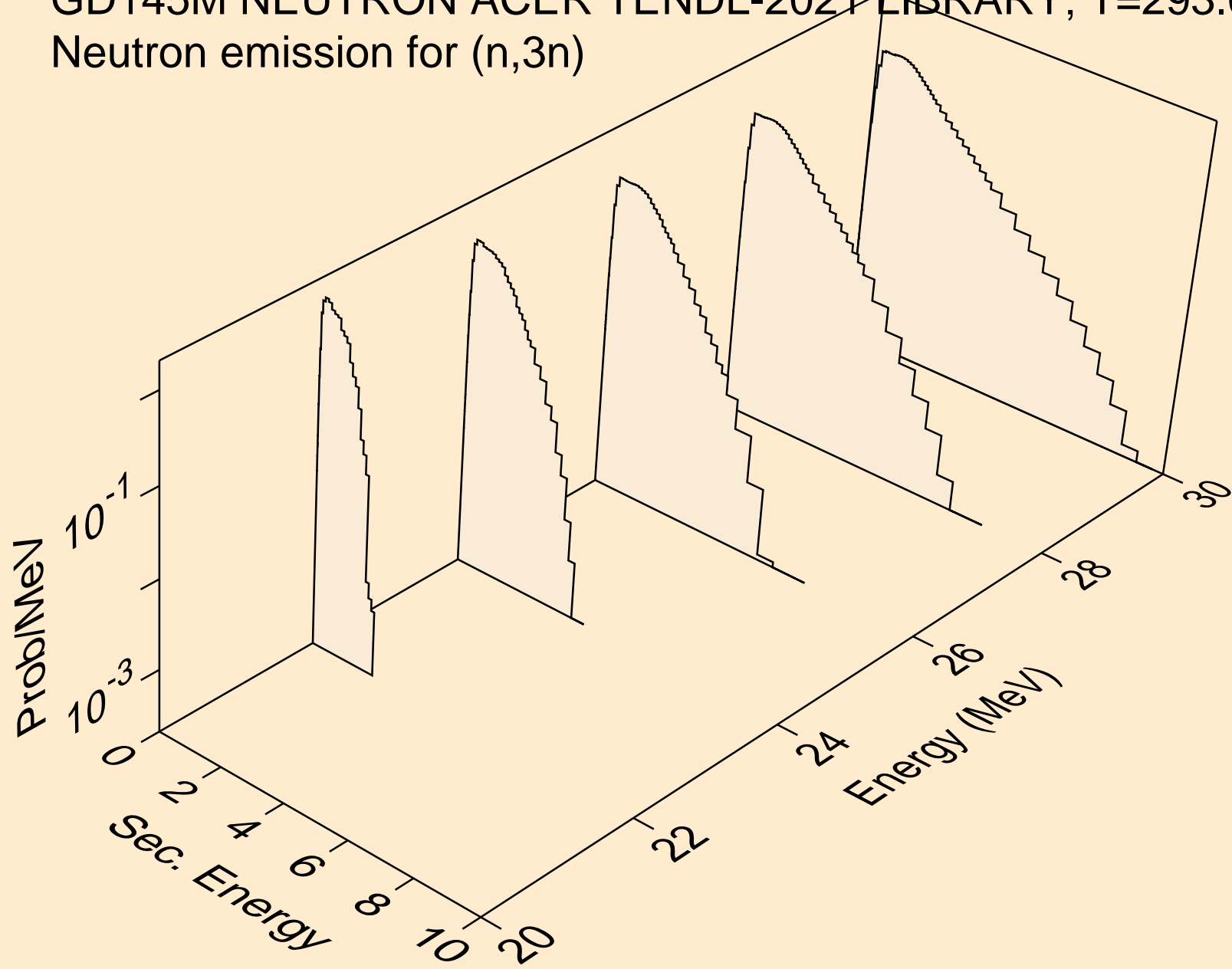
GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2nd)



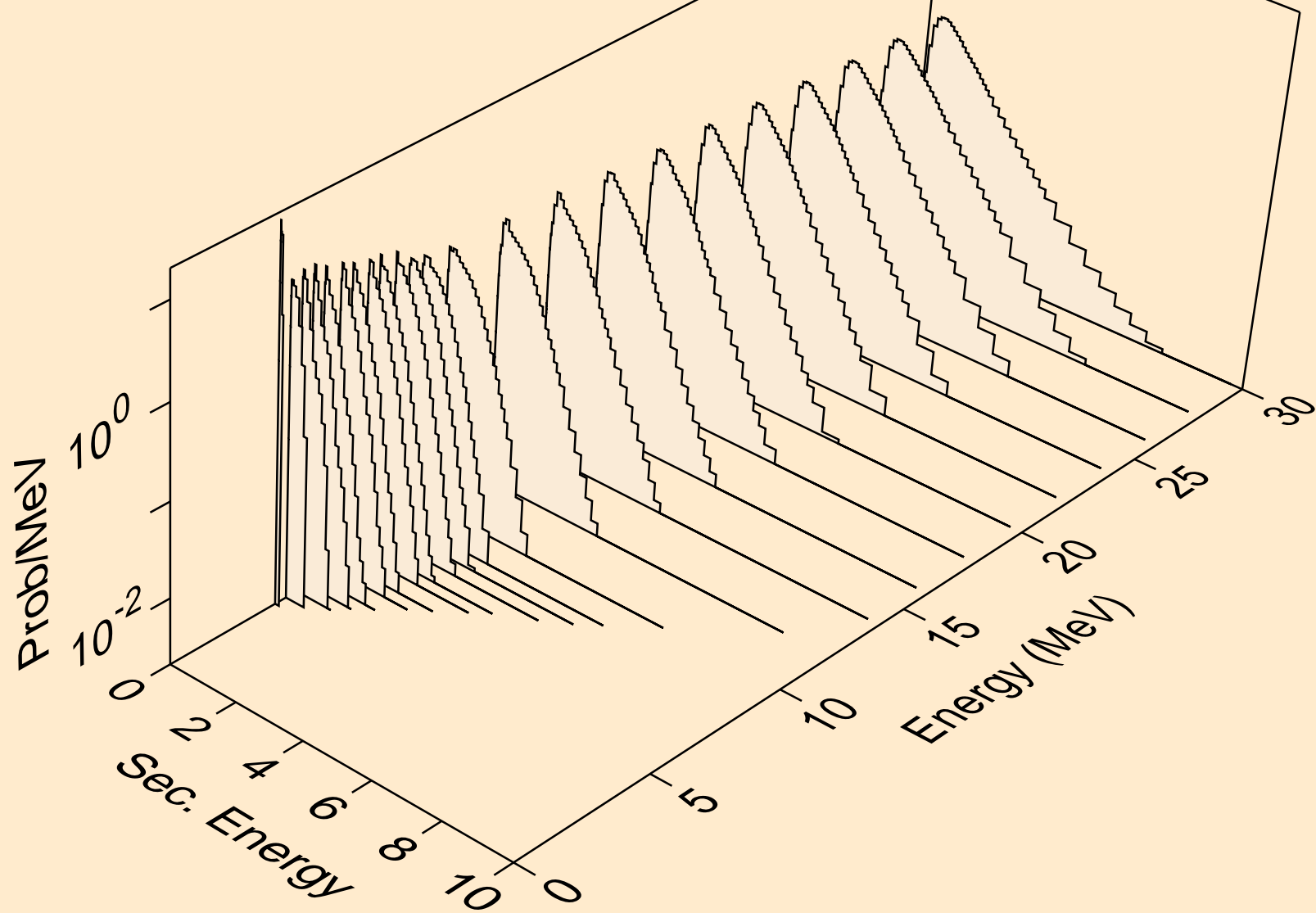
GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)



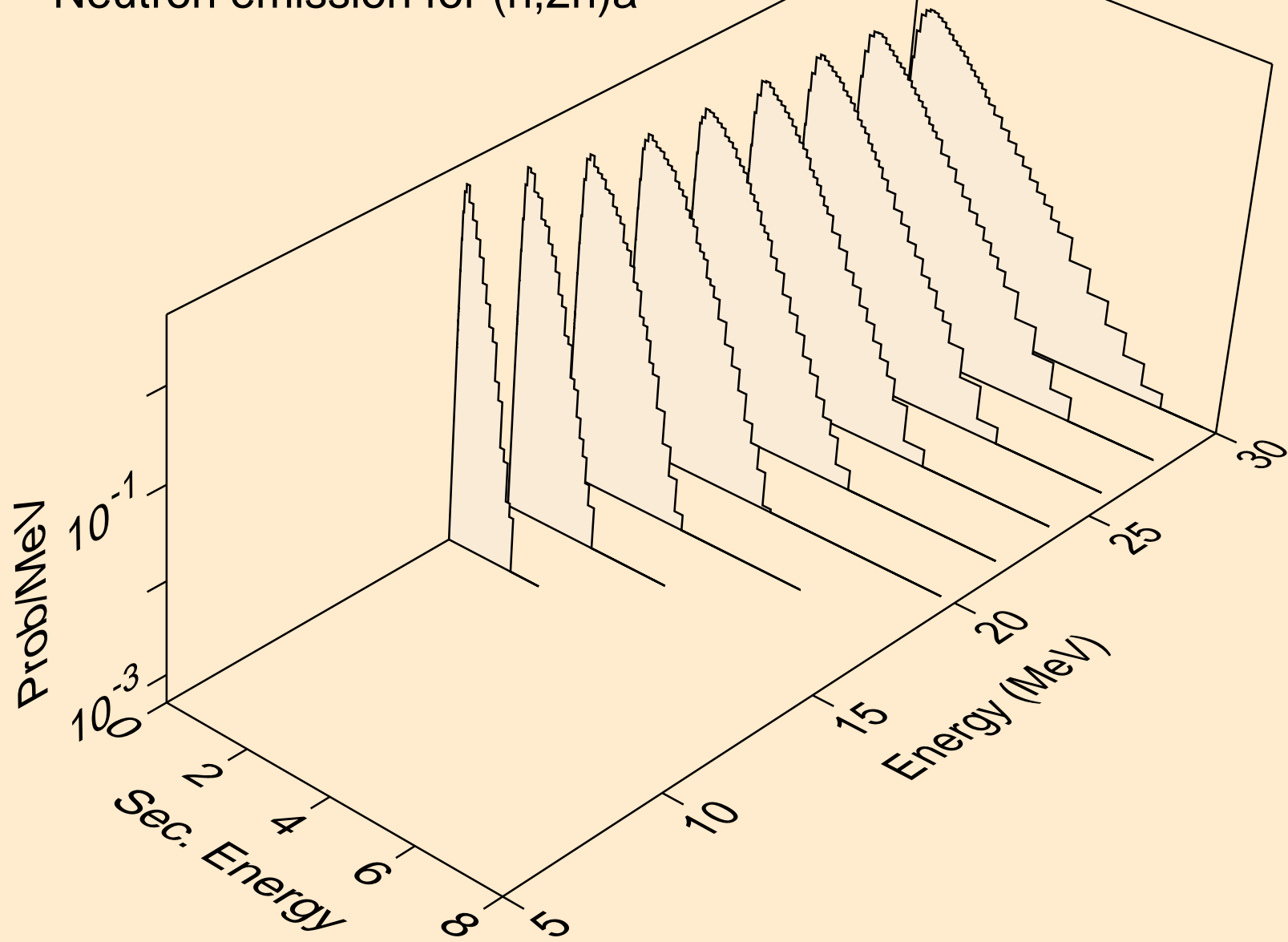
GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3n)



GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)a

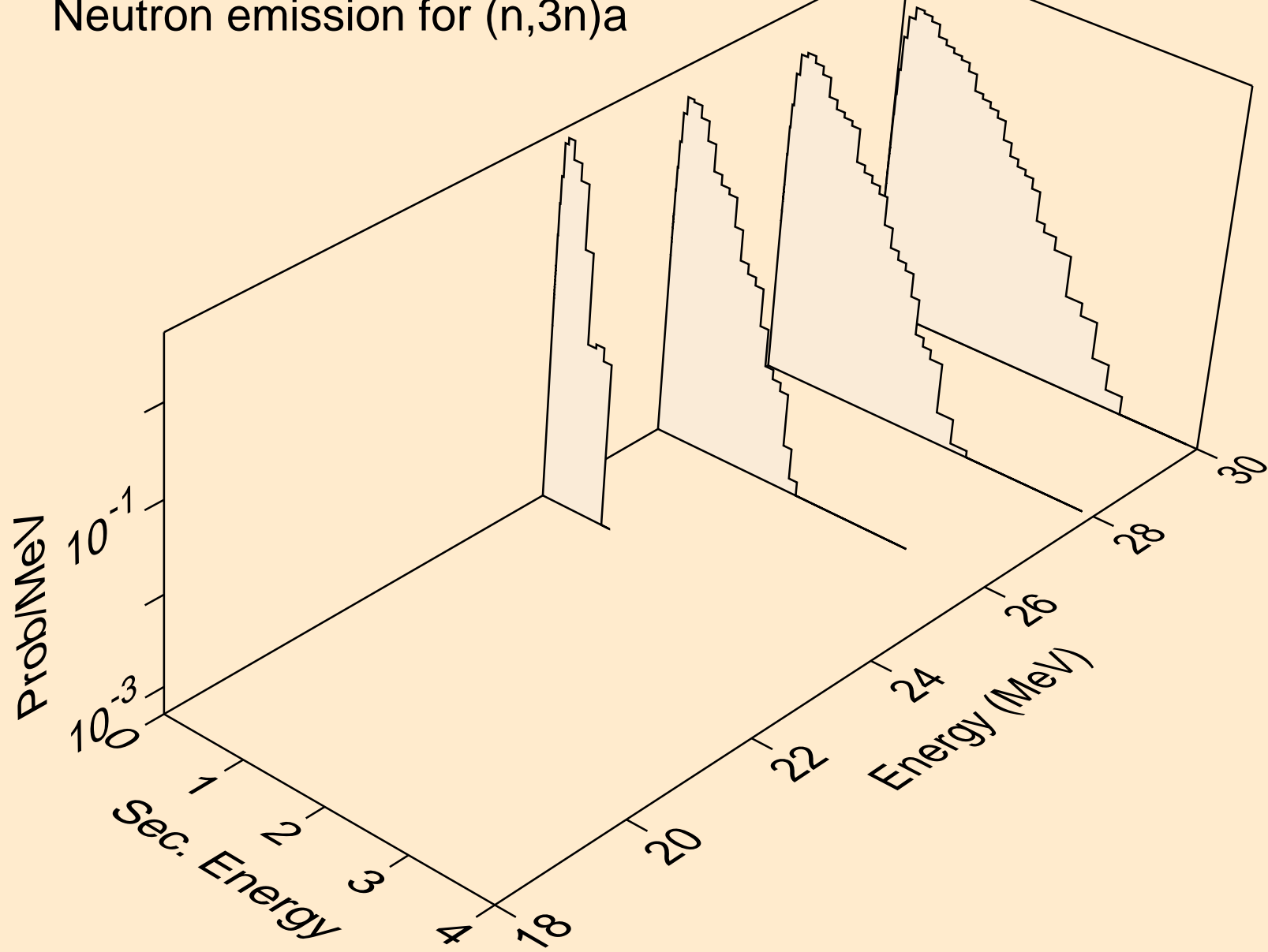


GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)<sub>a</sub>

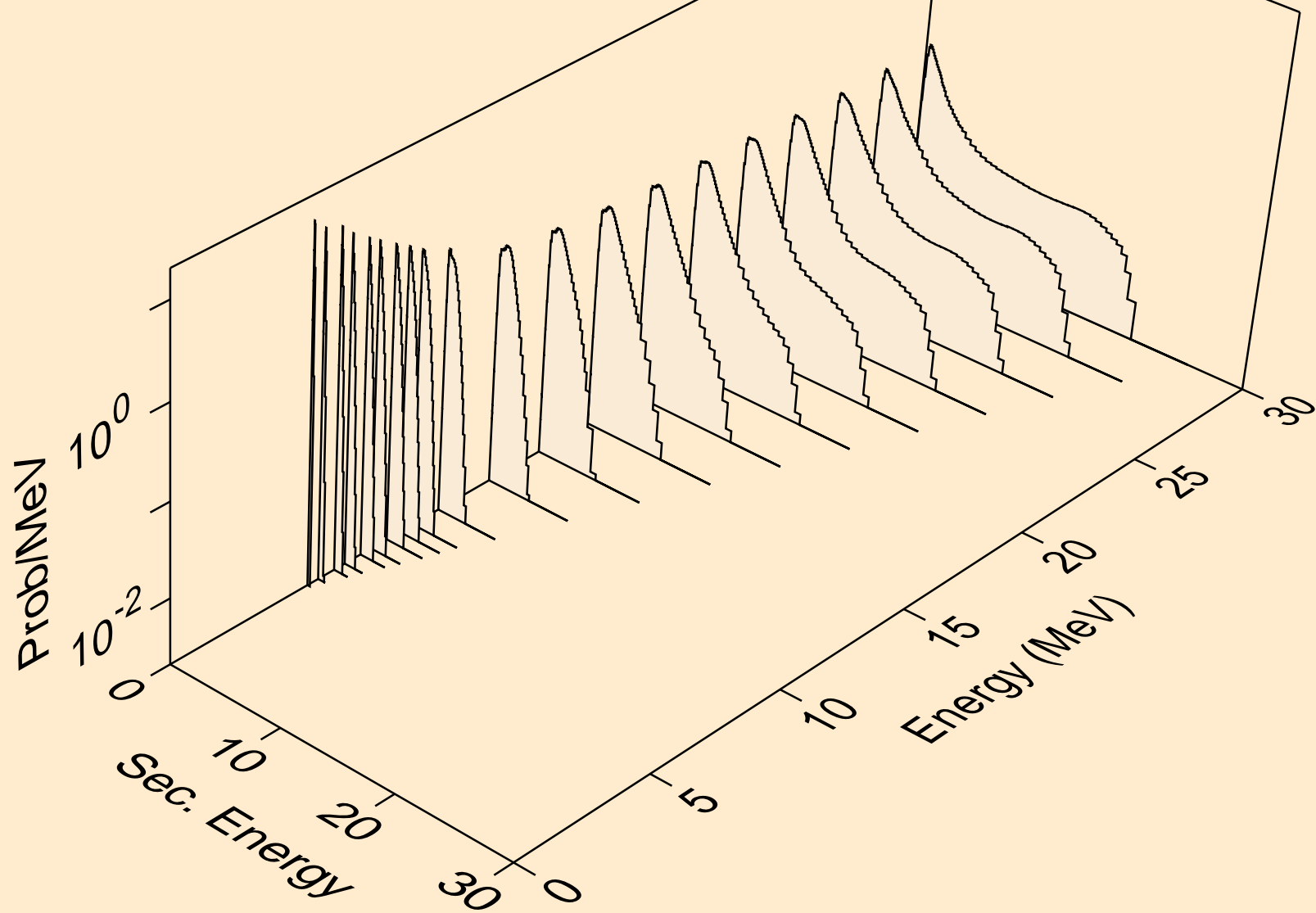




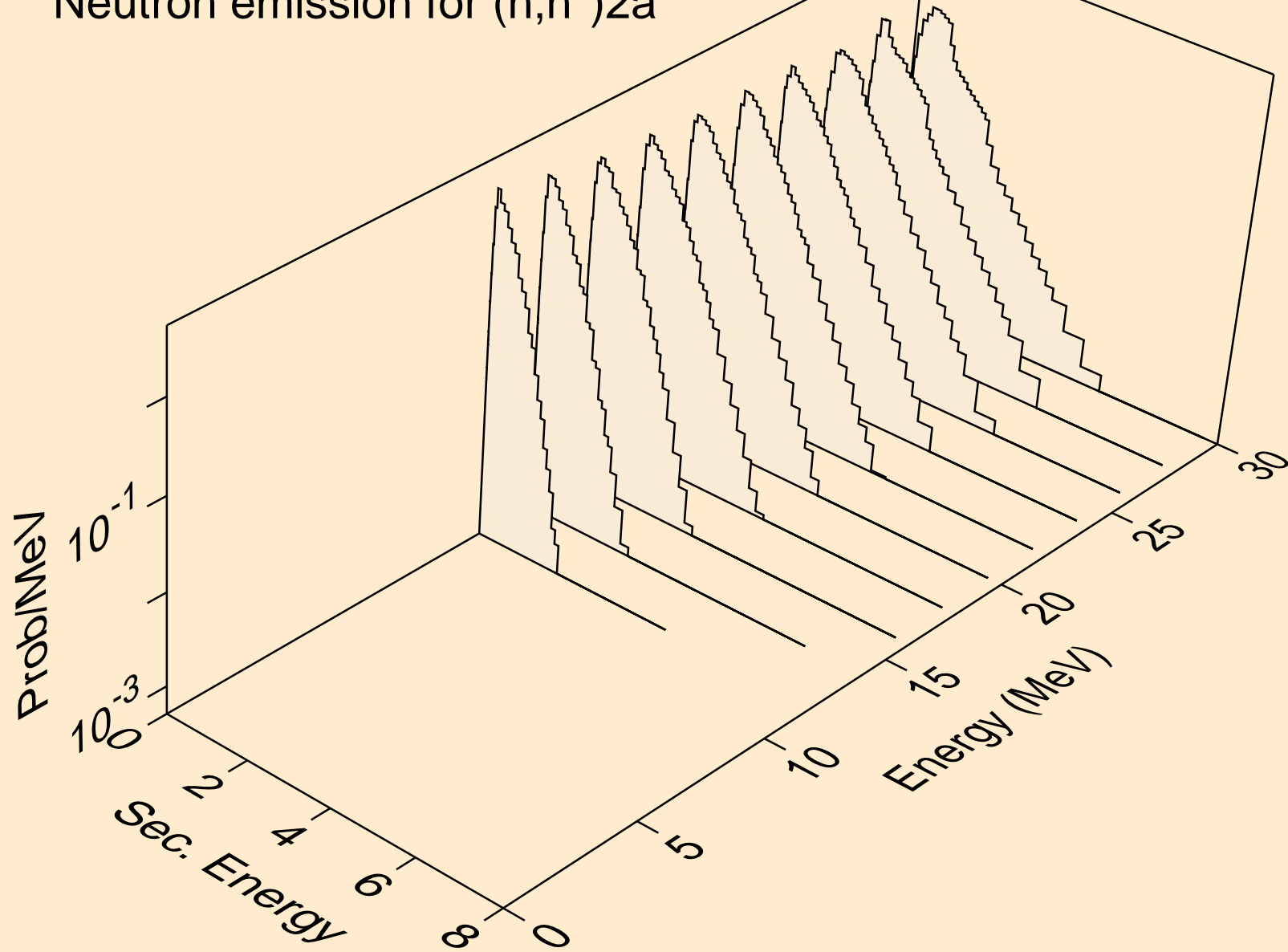
GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3n)a



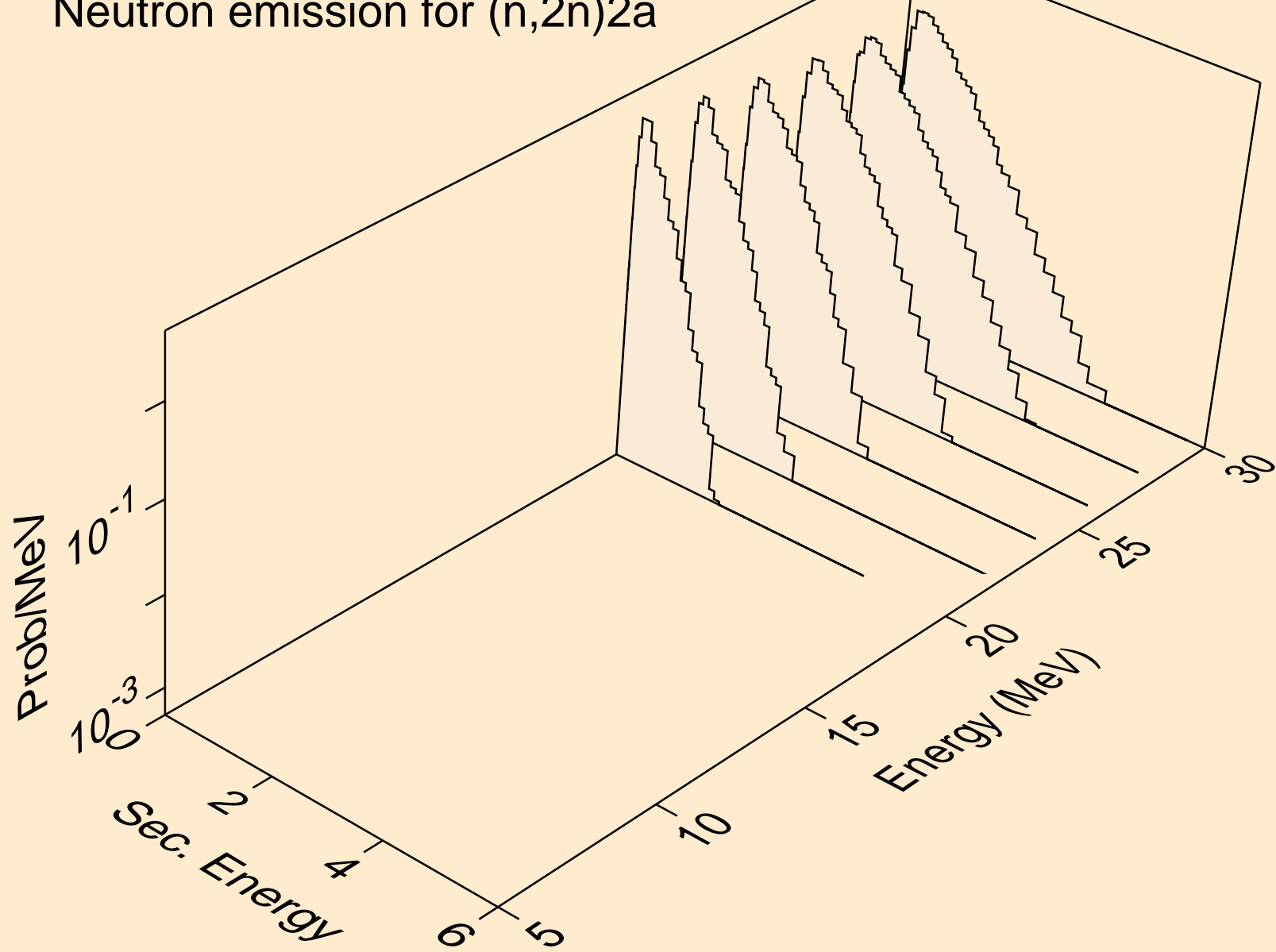
GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)p



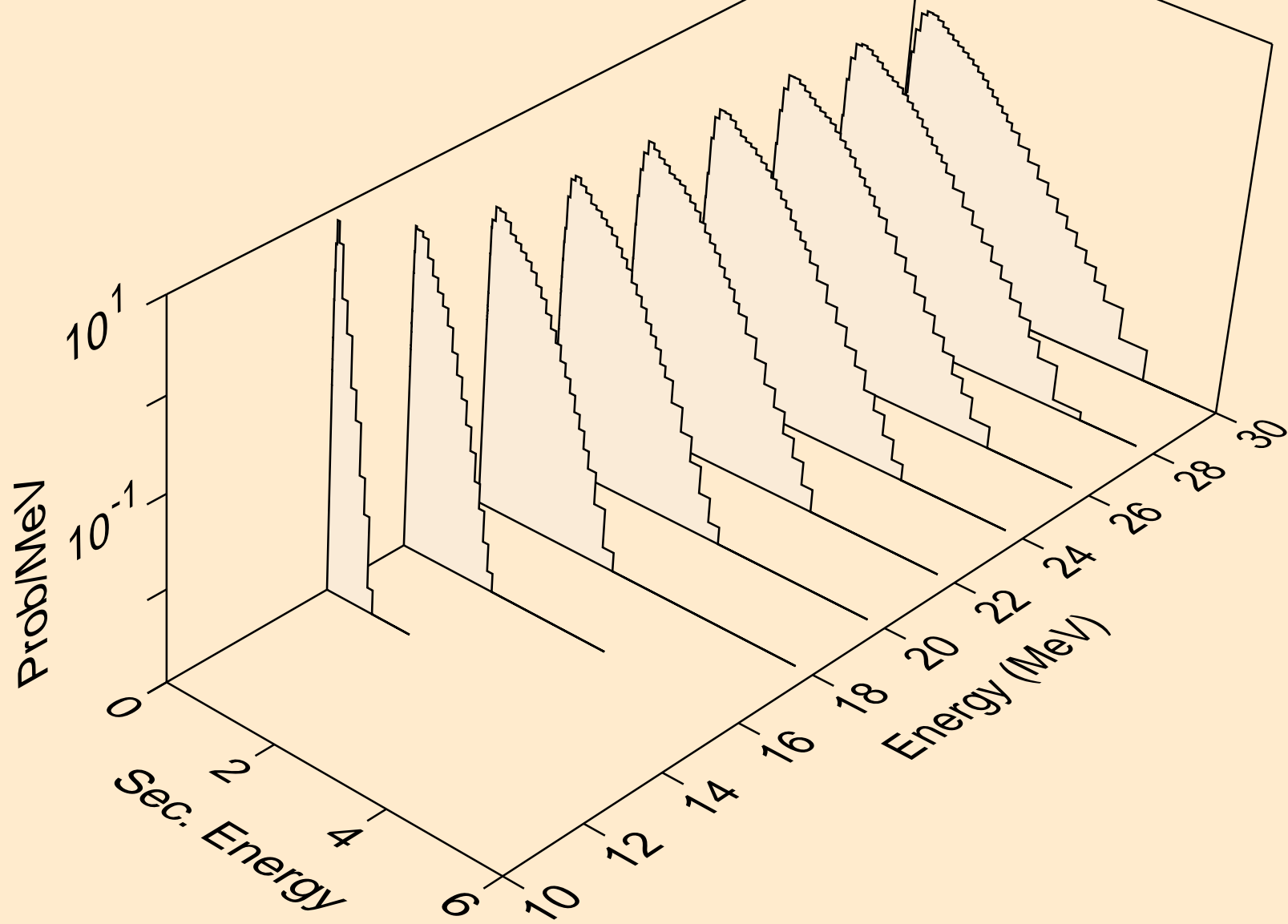
GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)2a



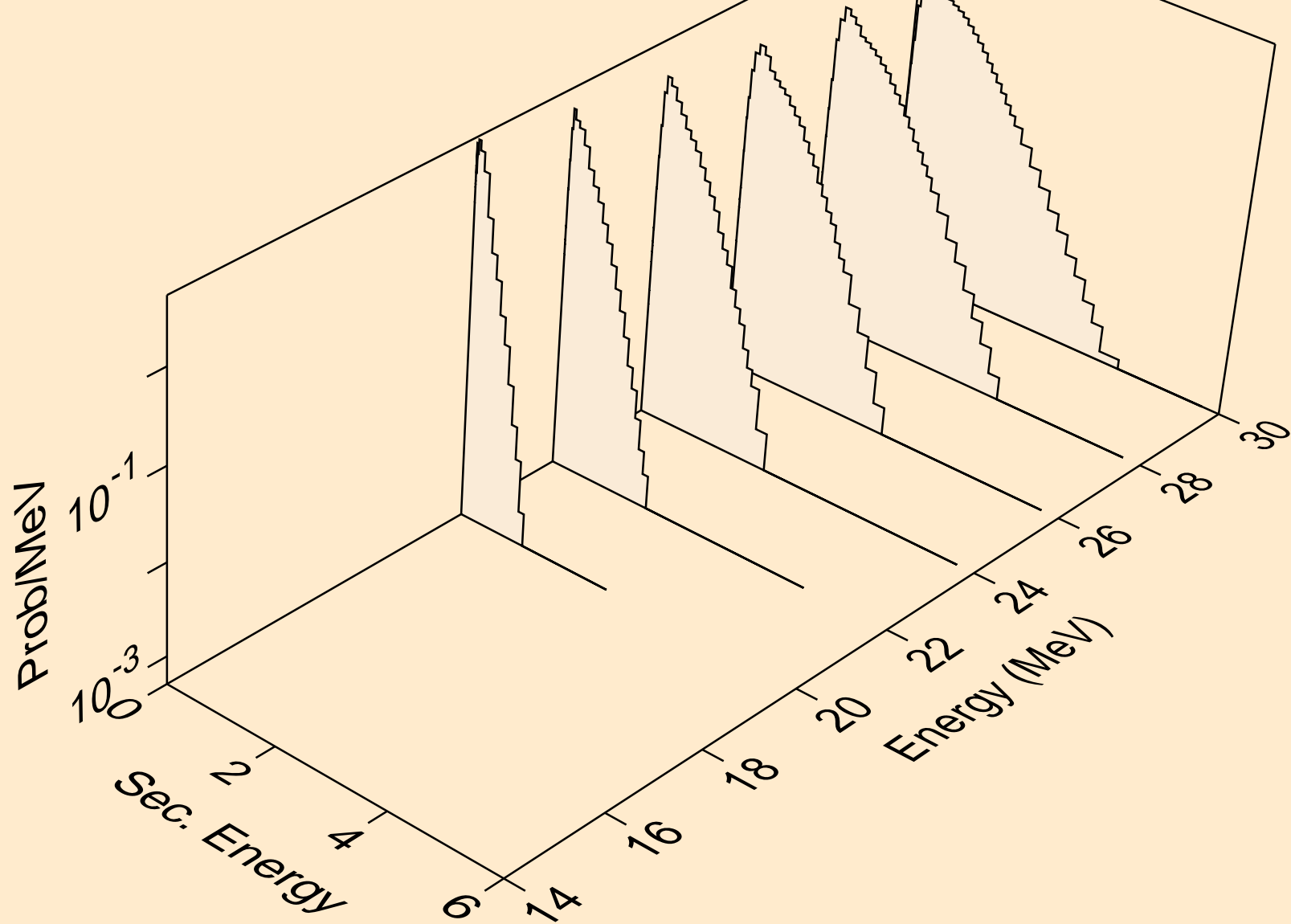
GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)2a



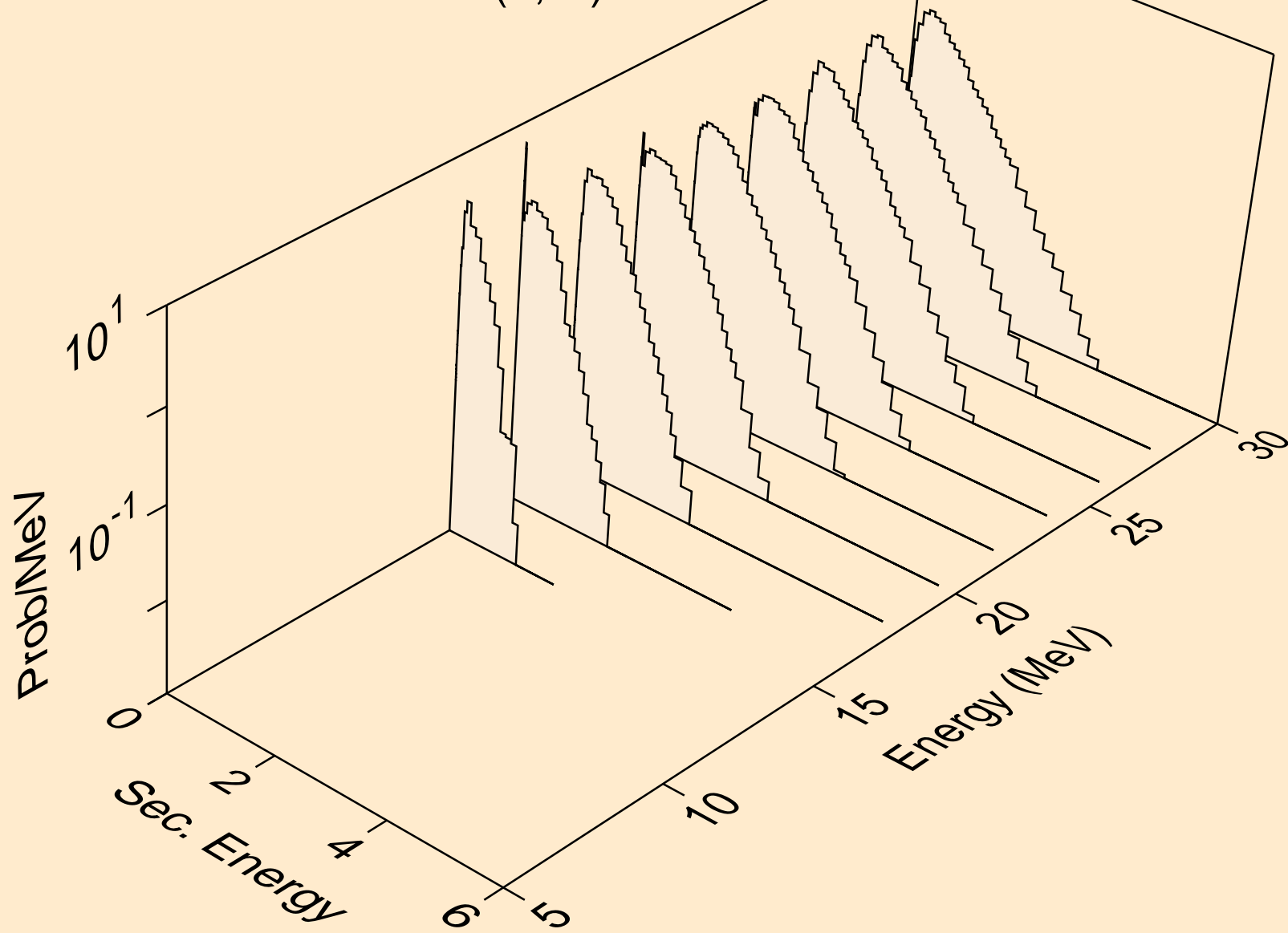
GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)d



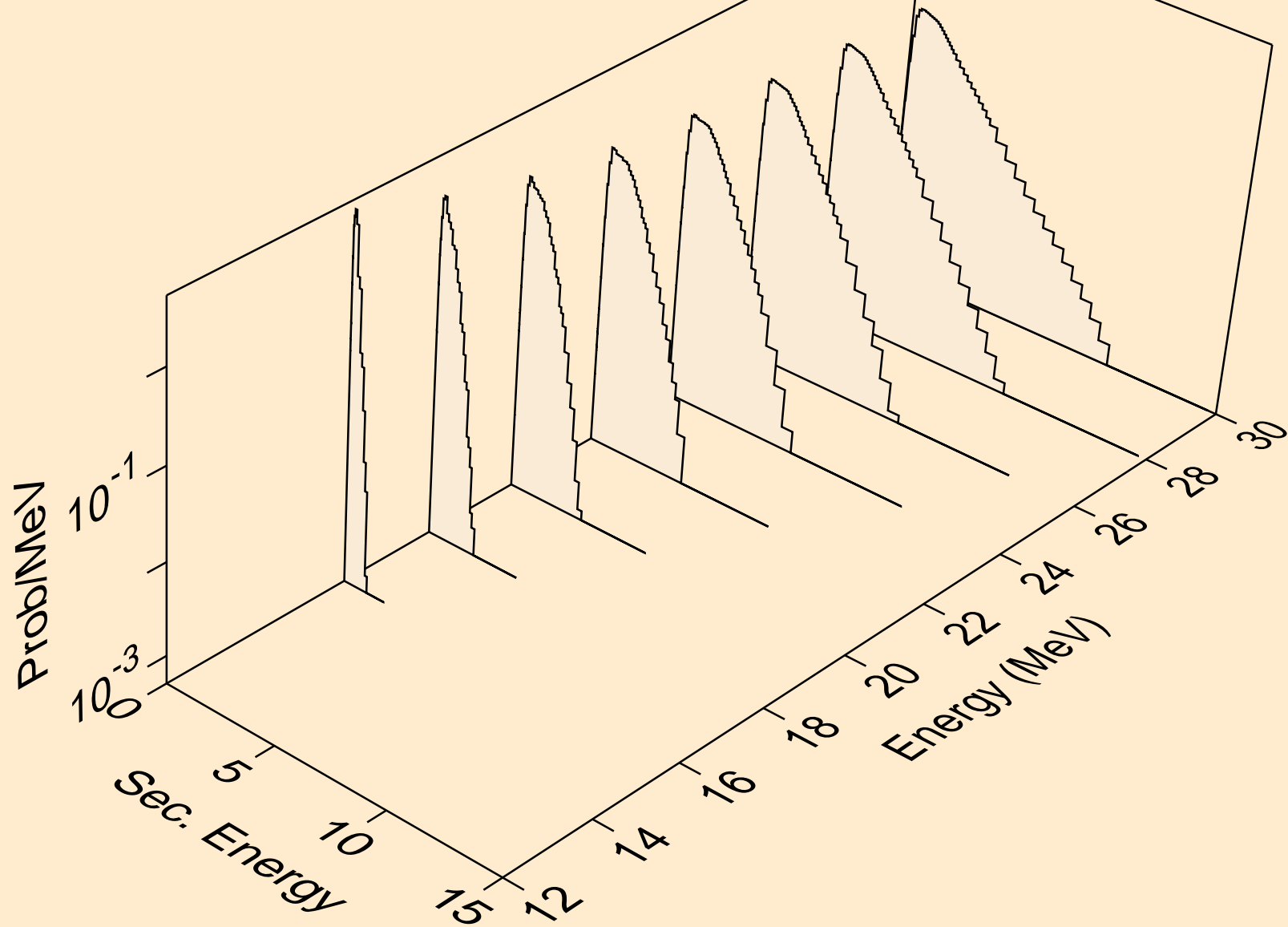
GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)t



GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)he3

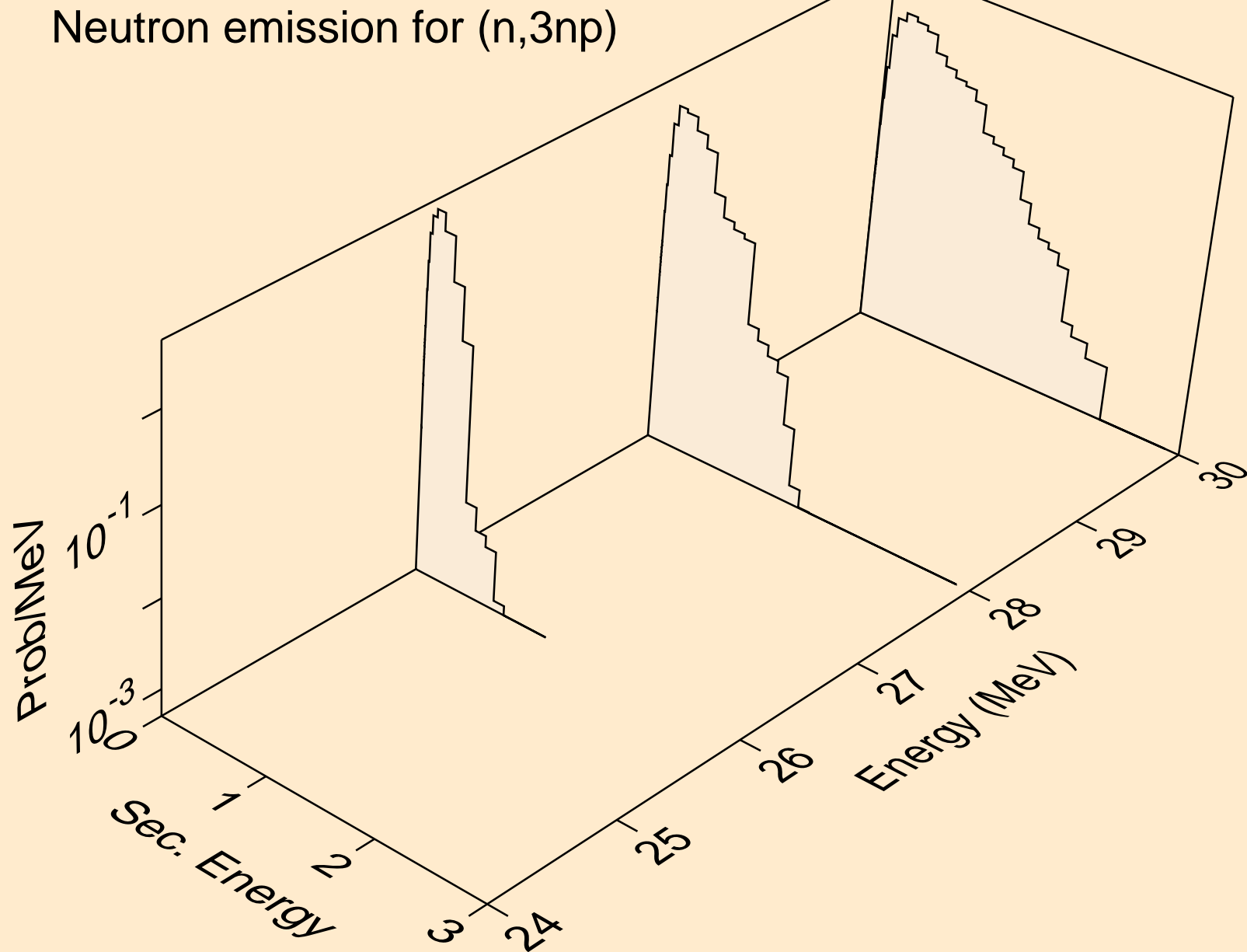


GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2np)

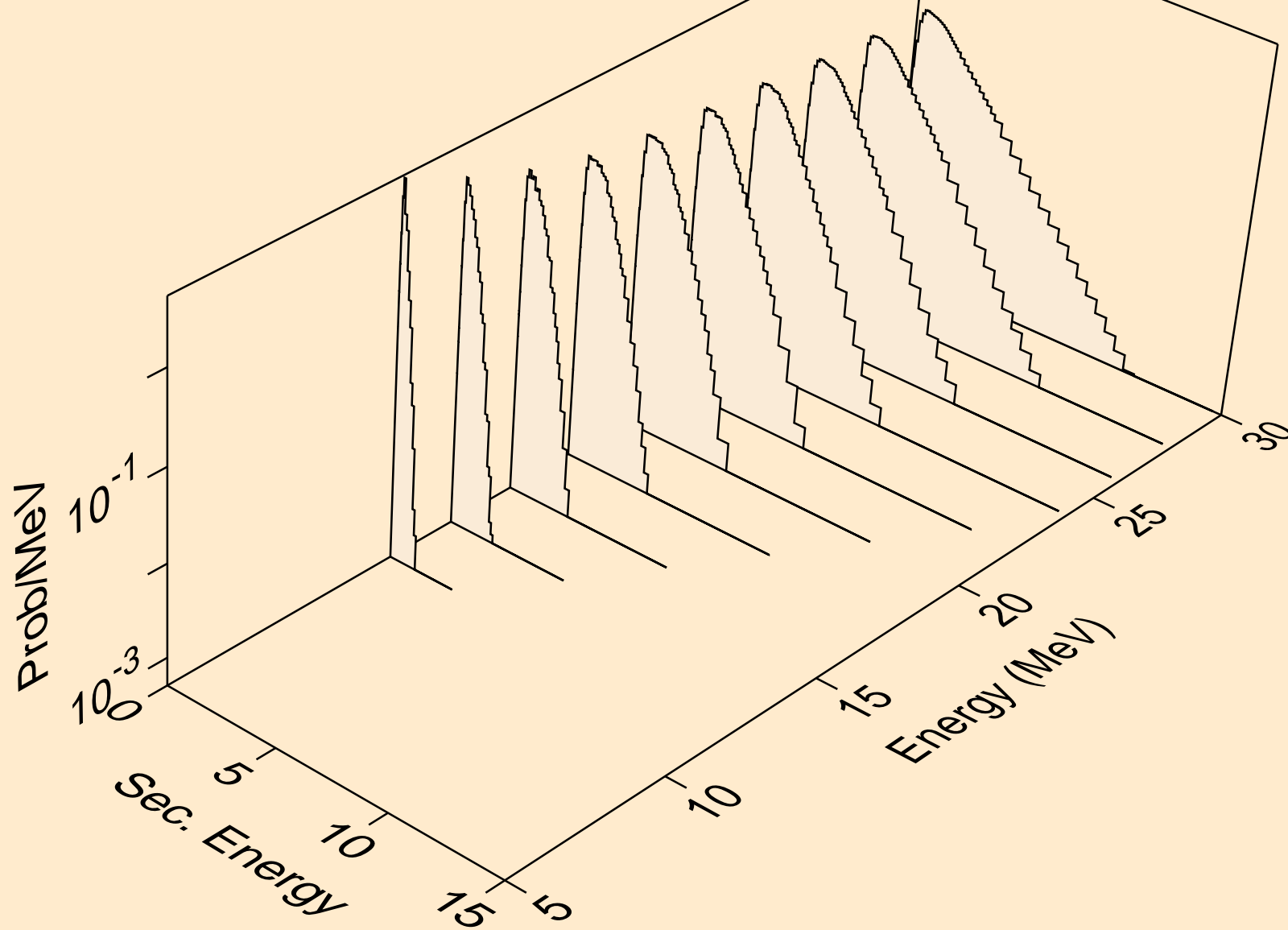




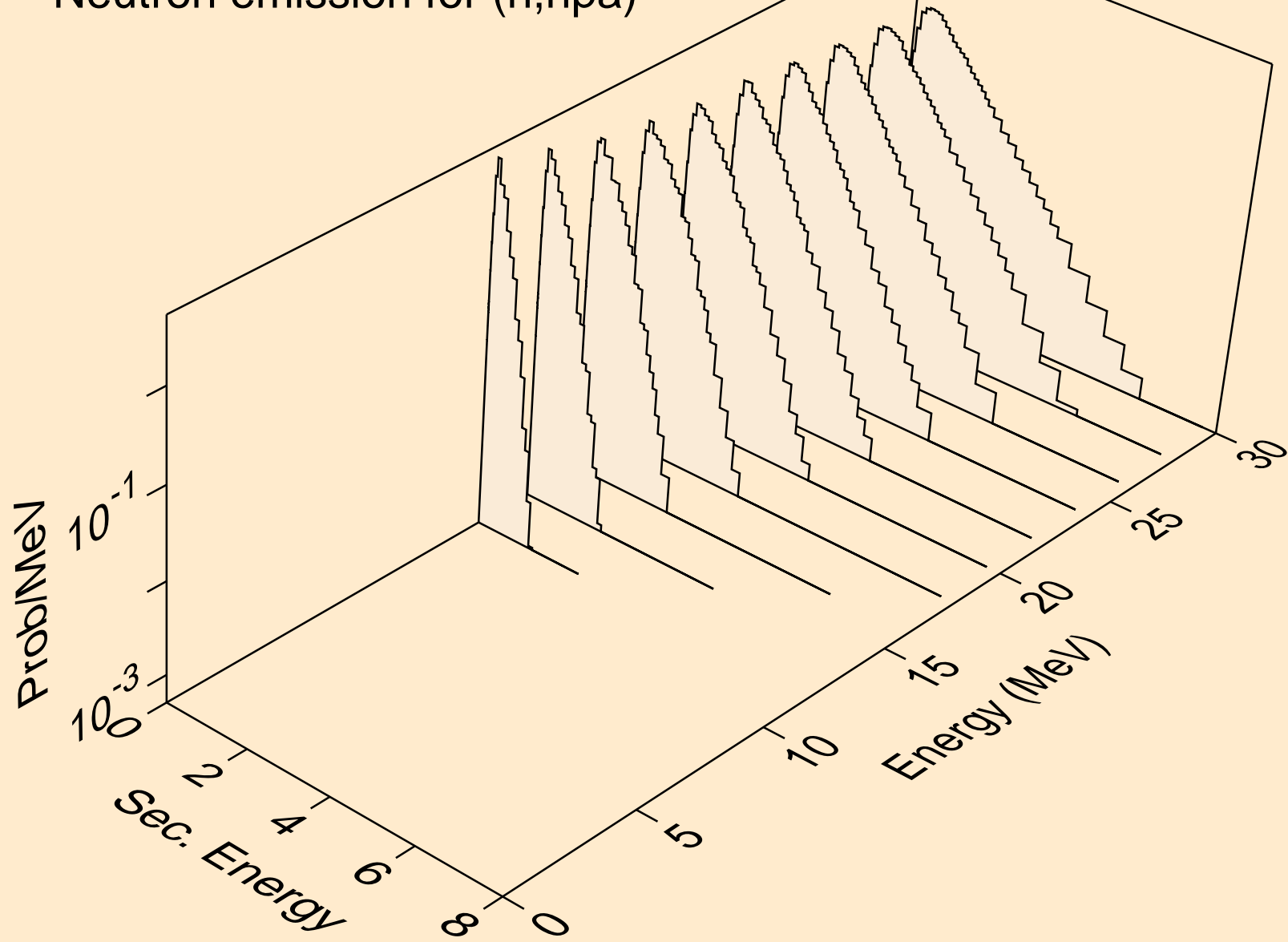
GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3np)



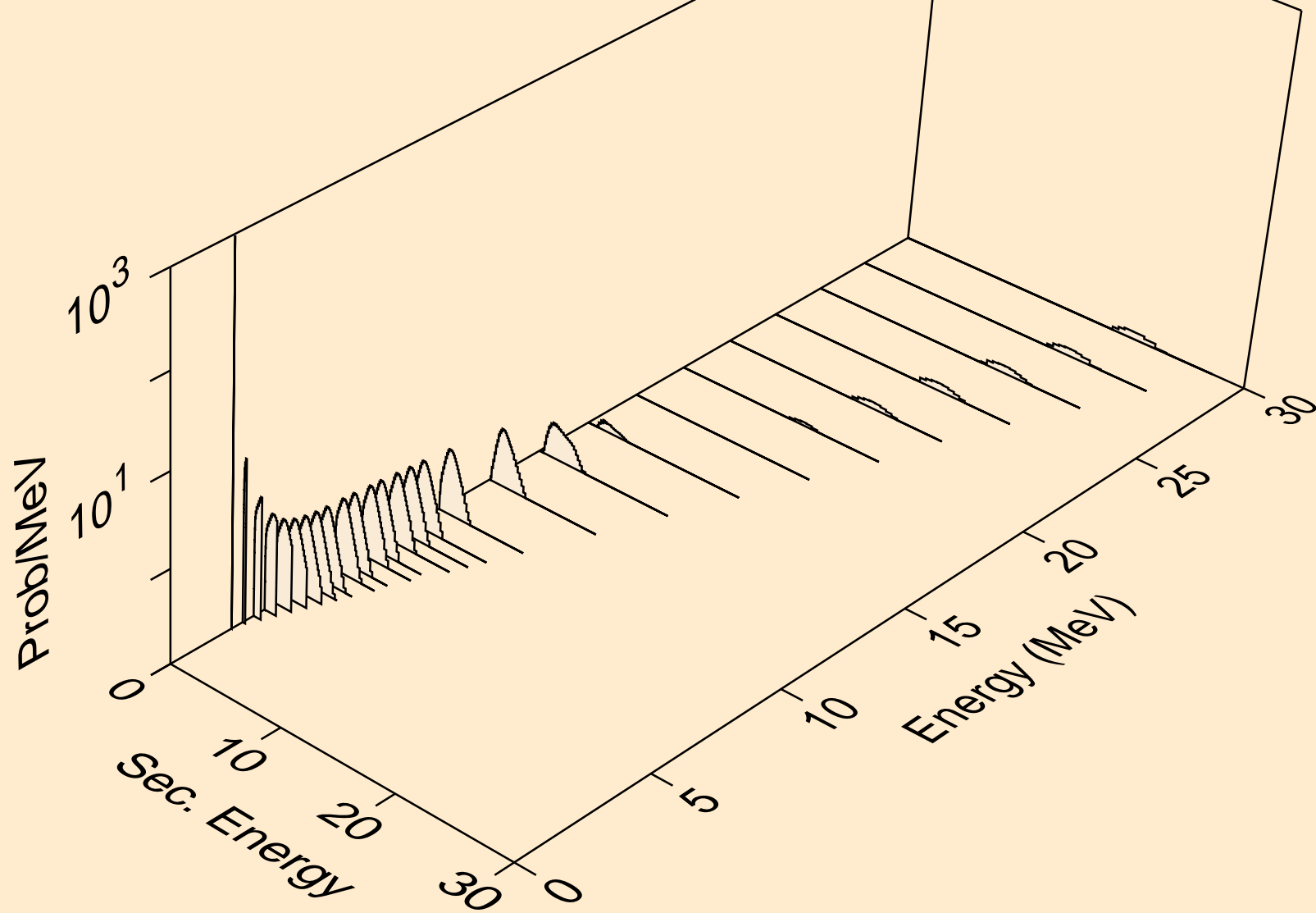
GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2np)



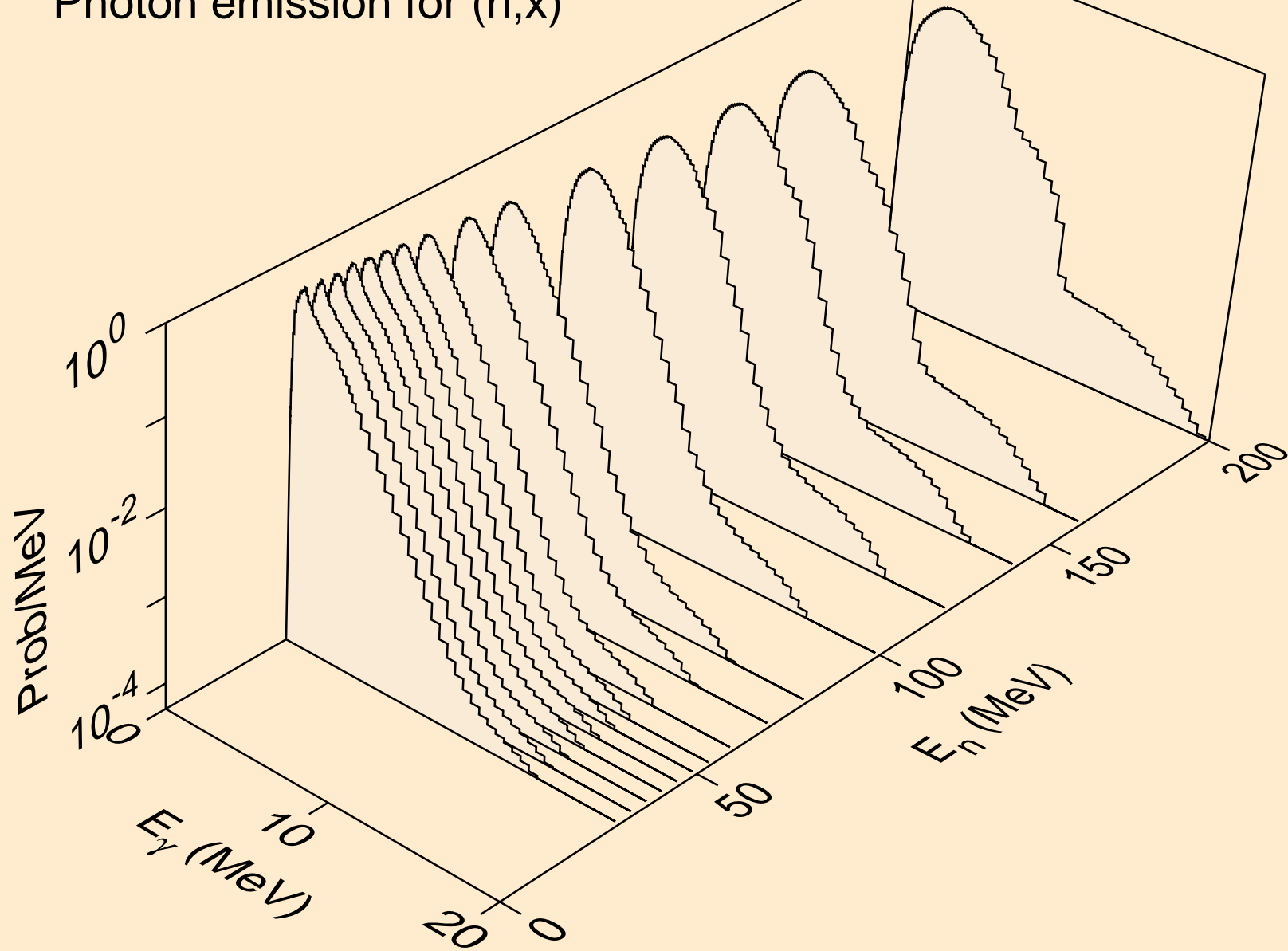
GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,npa)



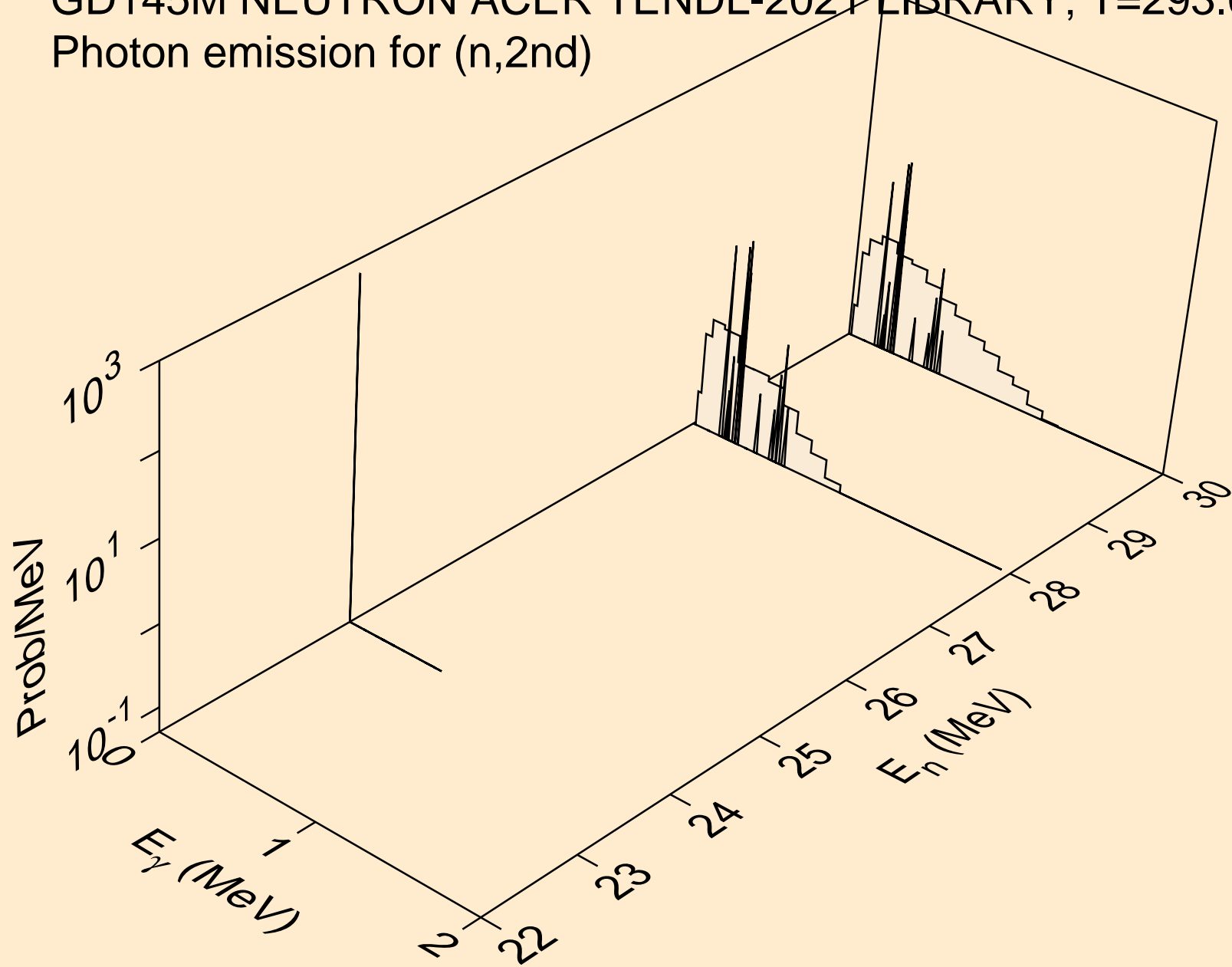
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Neutron emission for (n,n\*c)



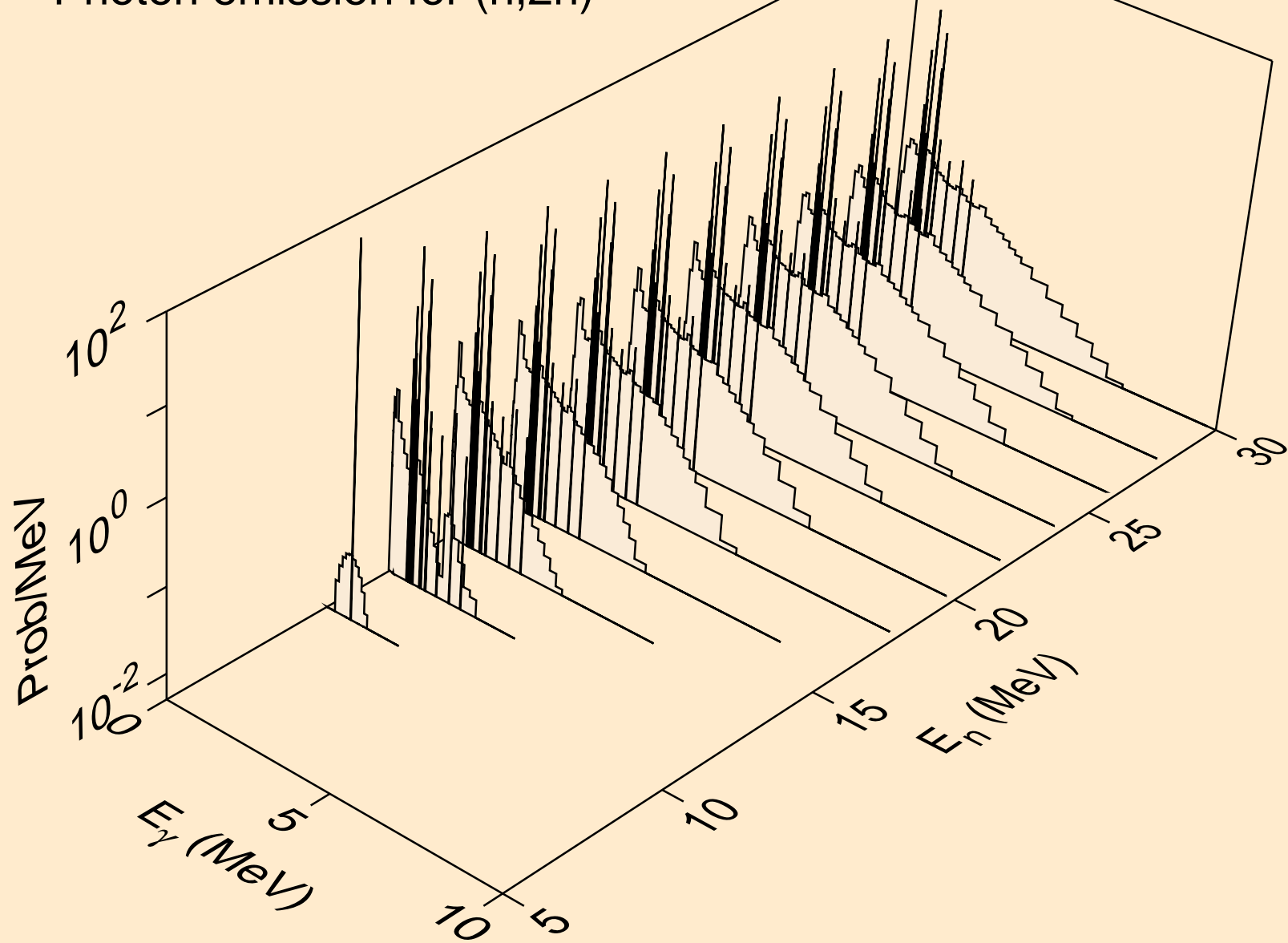
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Photon emission for (n,x)



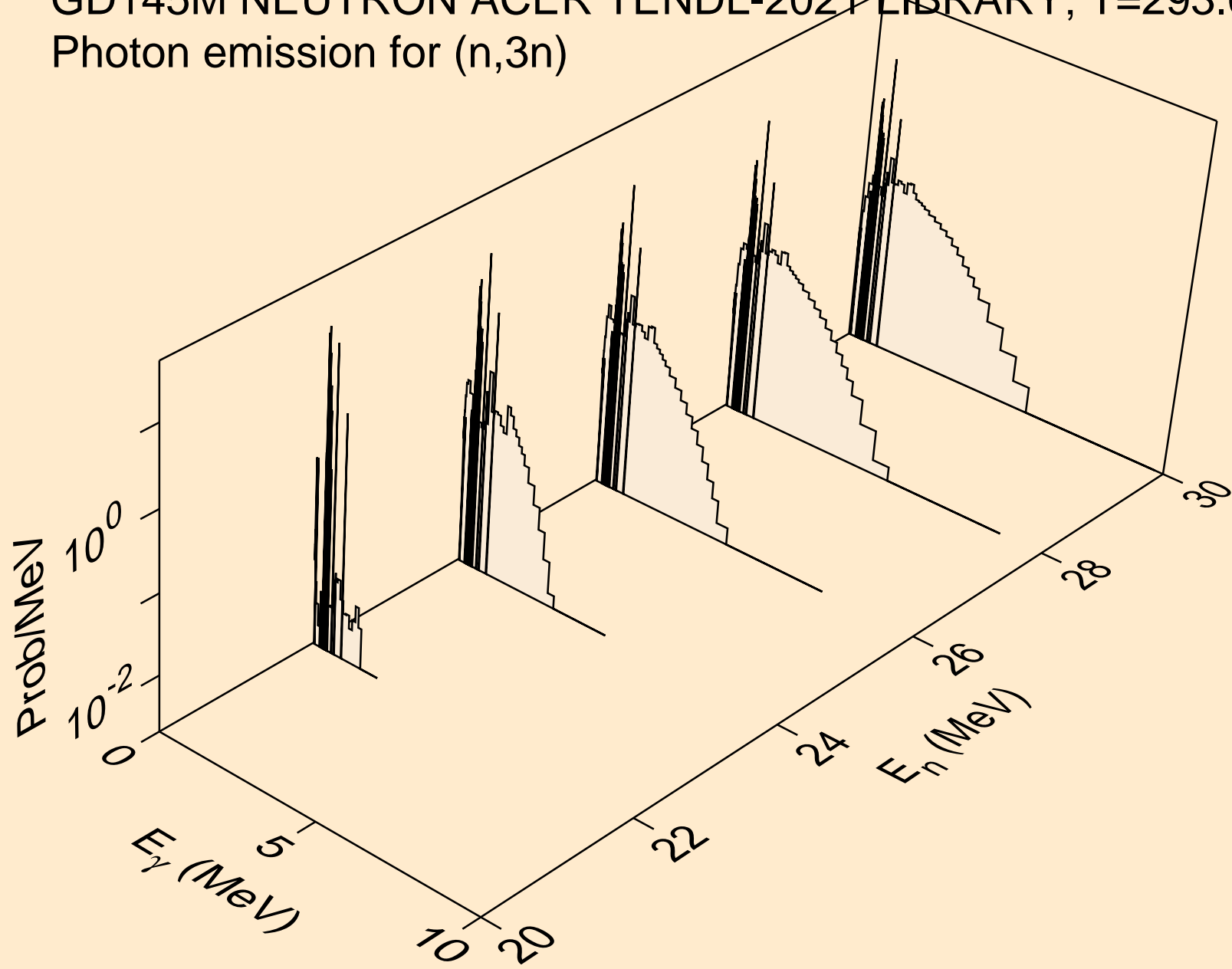
GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2nd)



GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2n)

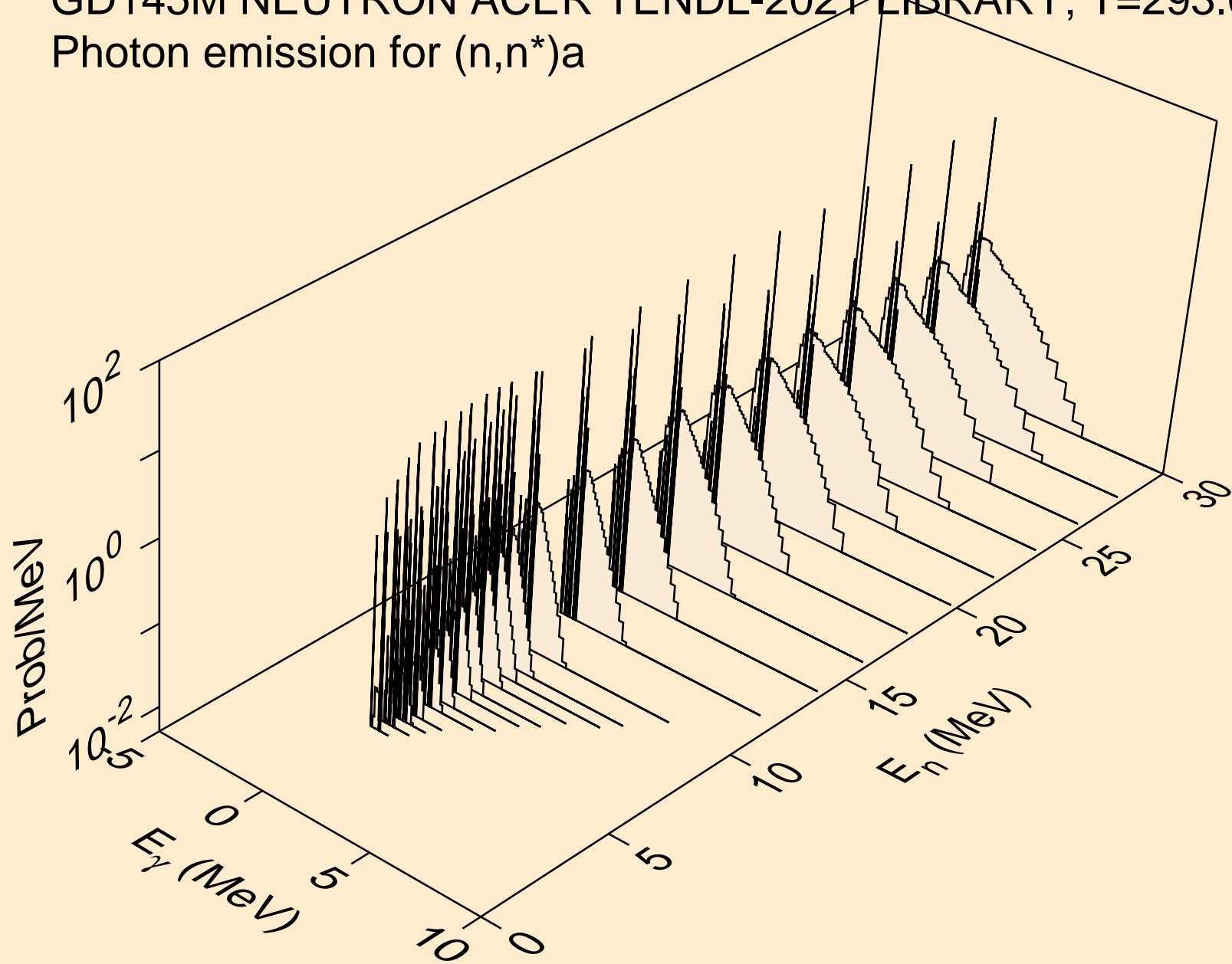


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Photon emission for (n,3n)

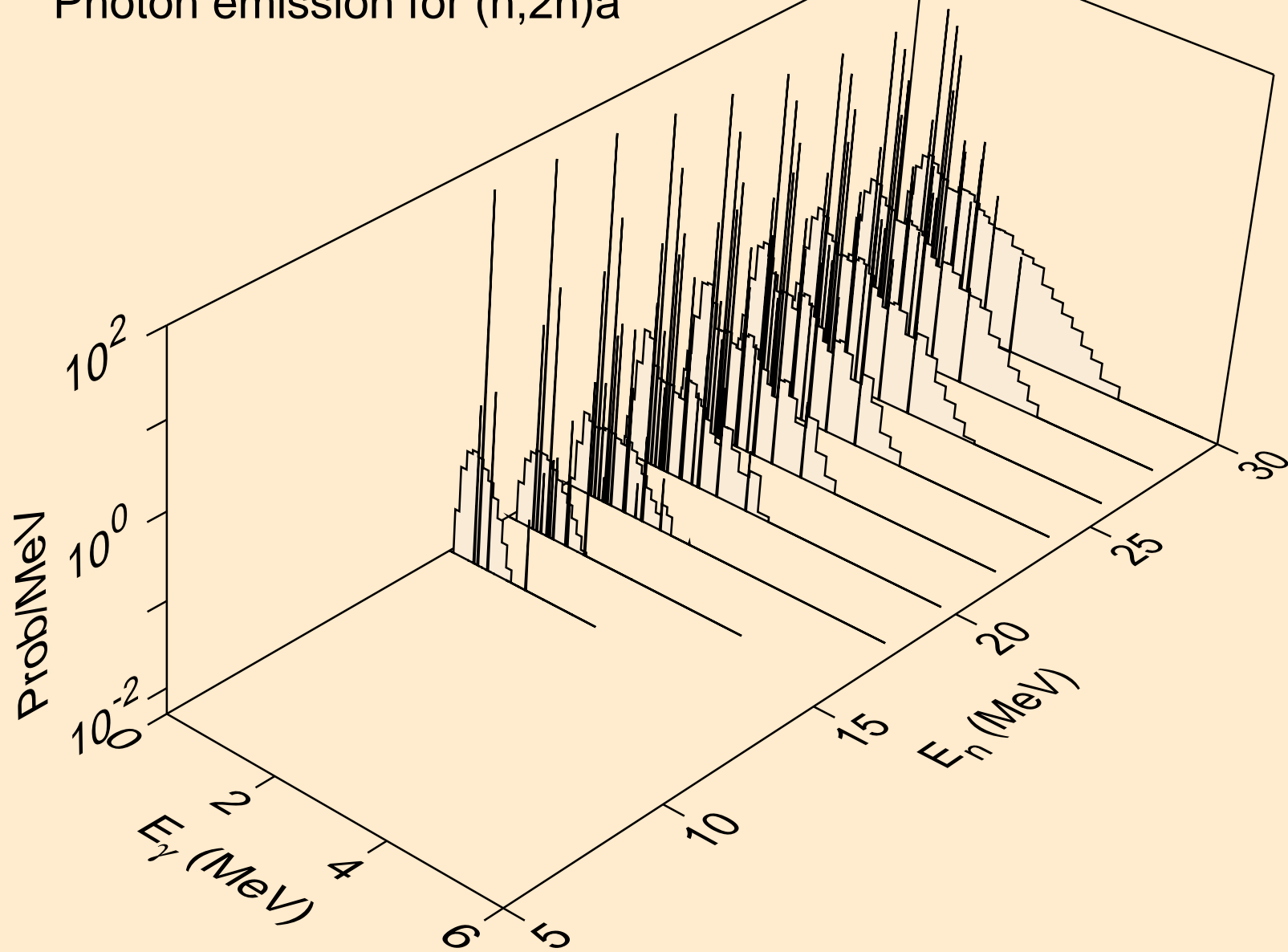




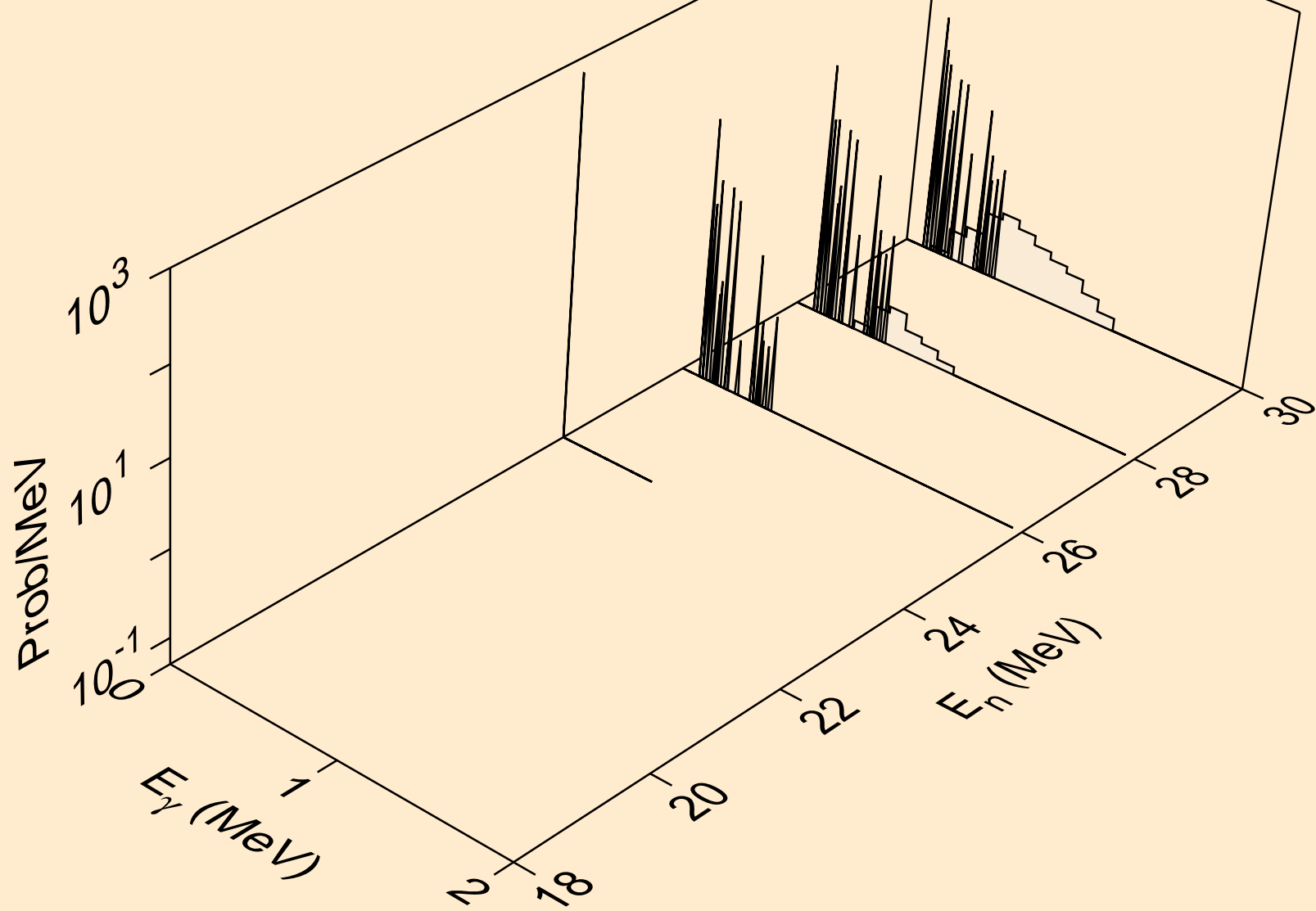
GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)a



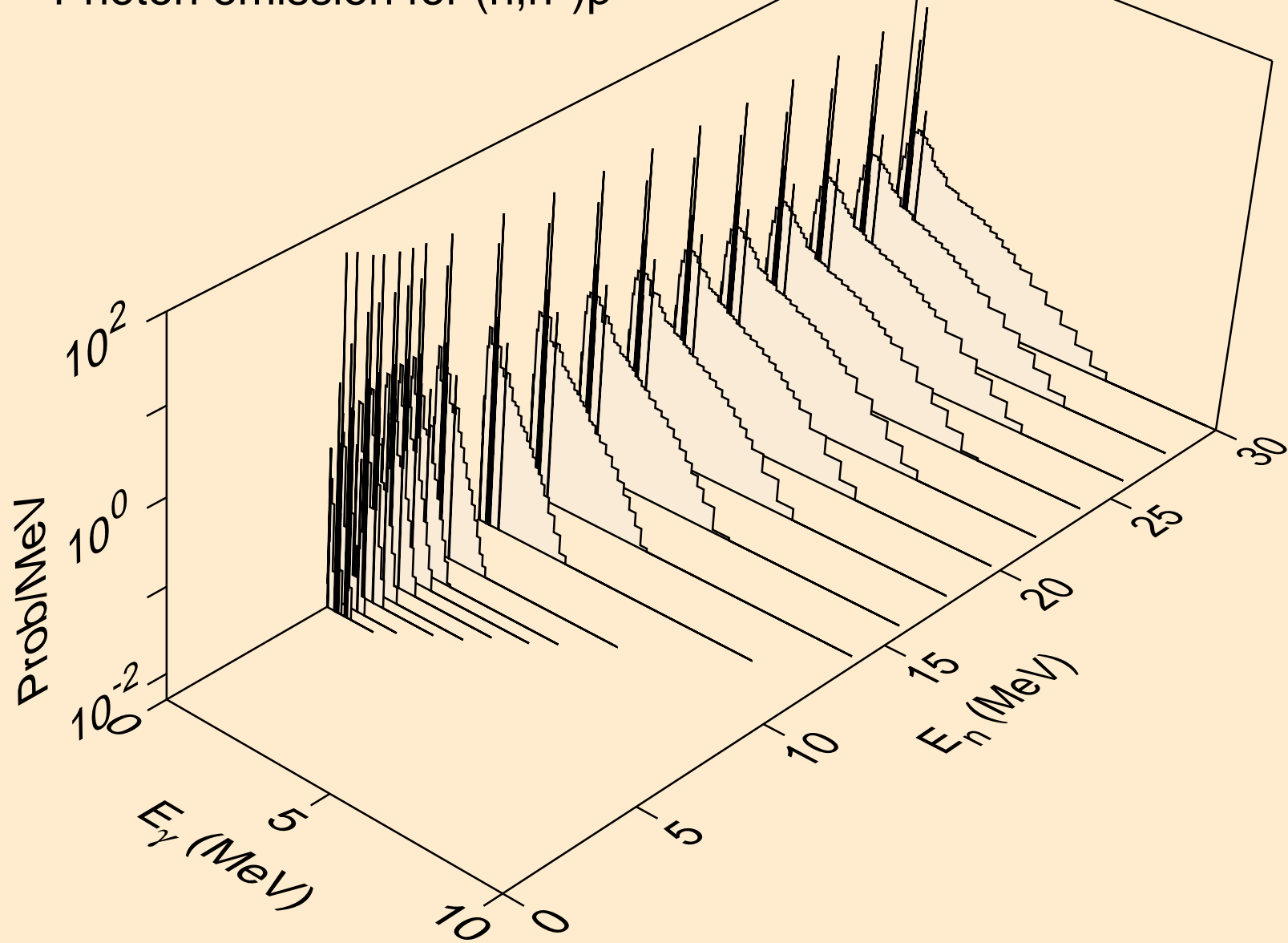
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Photon emission for (n,2n)a



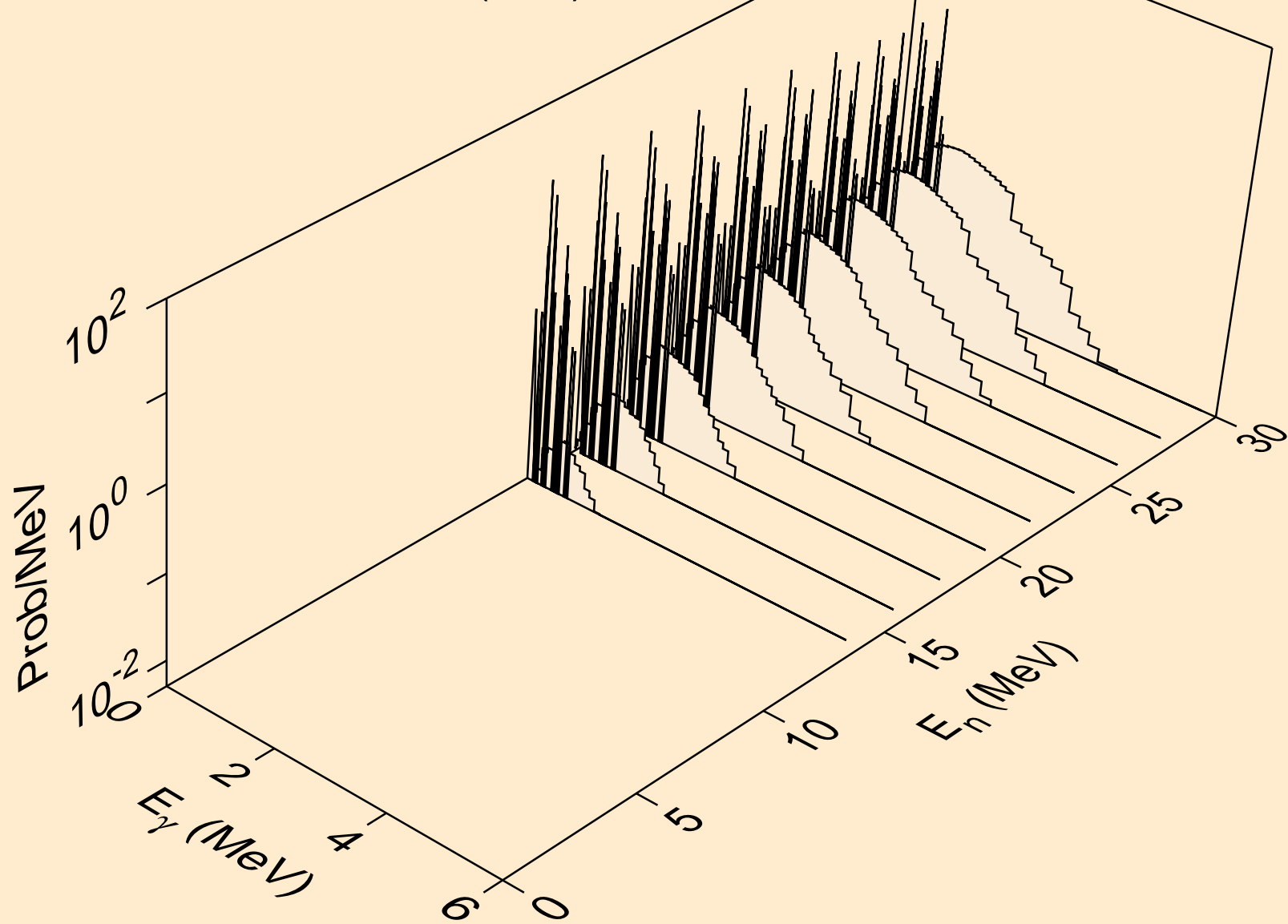
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Photon emission for (n,3n)a



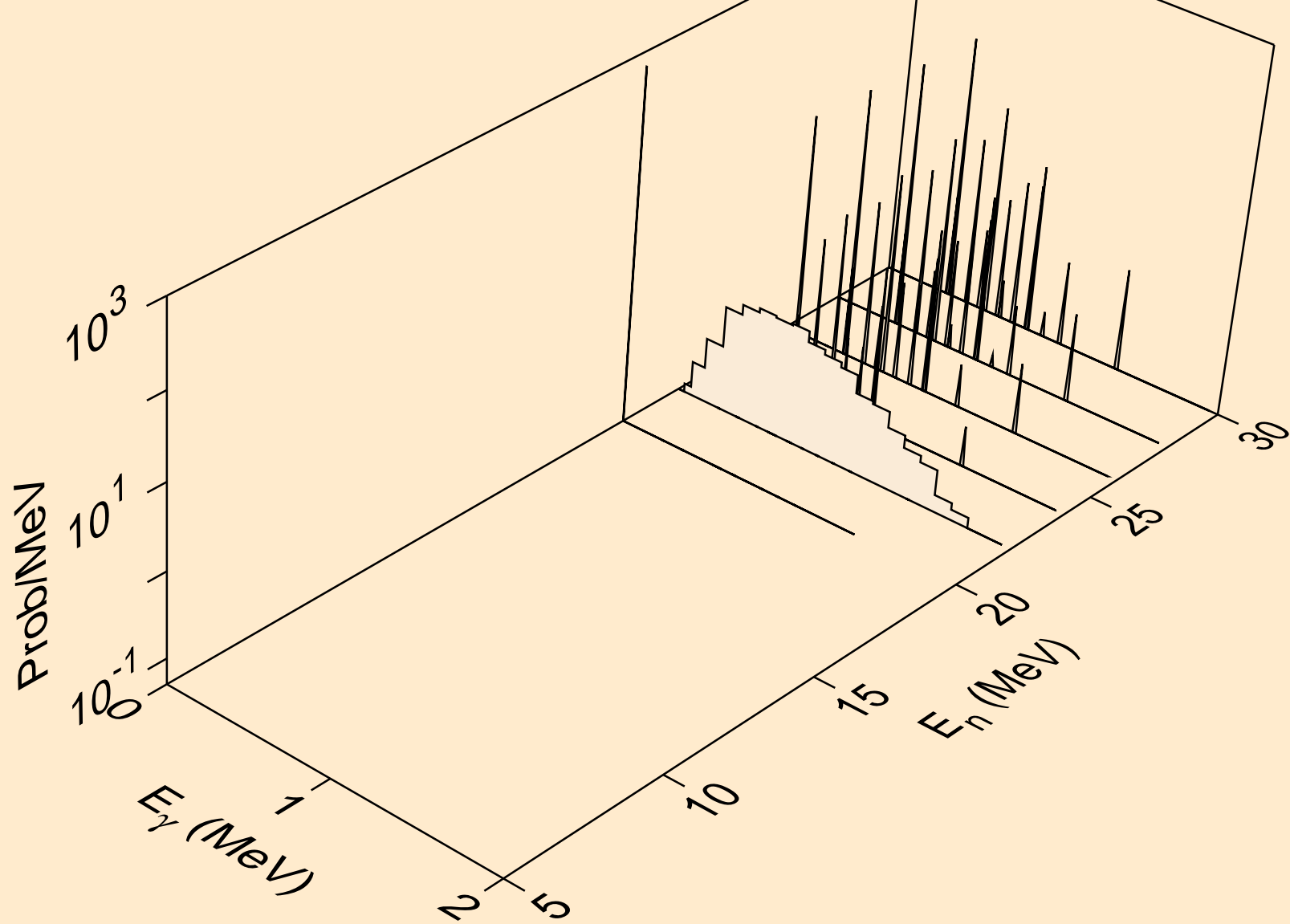
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Photon emission for (n,n\*)p



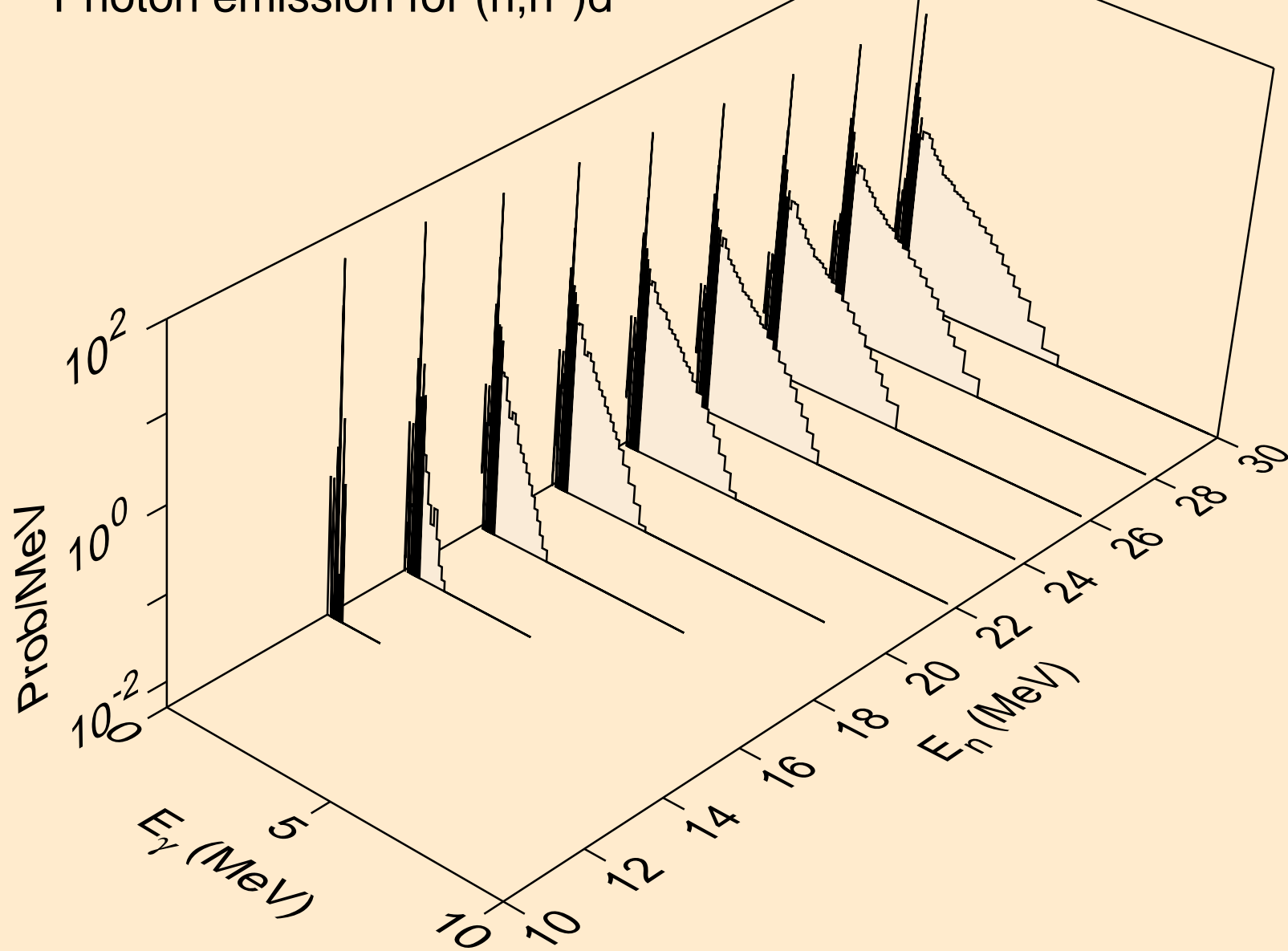
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Photon emission for (n,n\*)2a



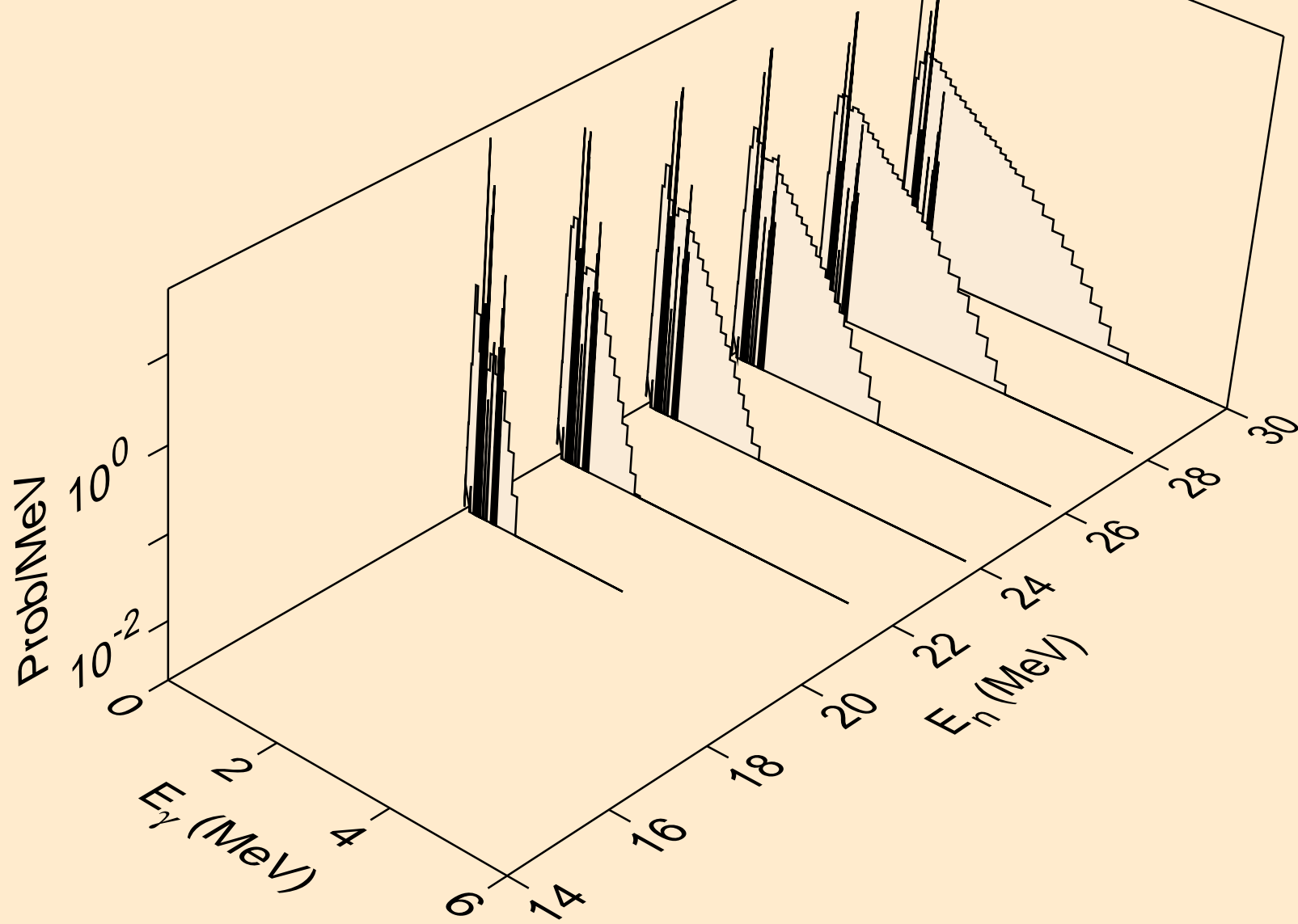
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Photon emission for (n,2n)2a



GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)d

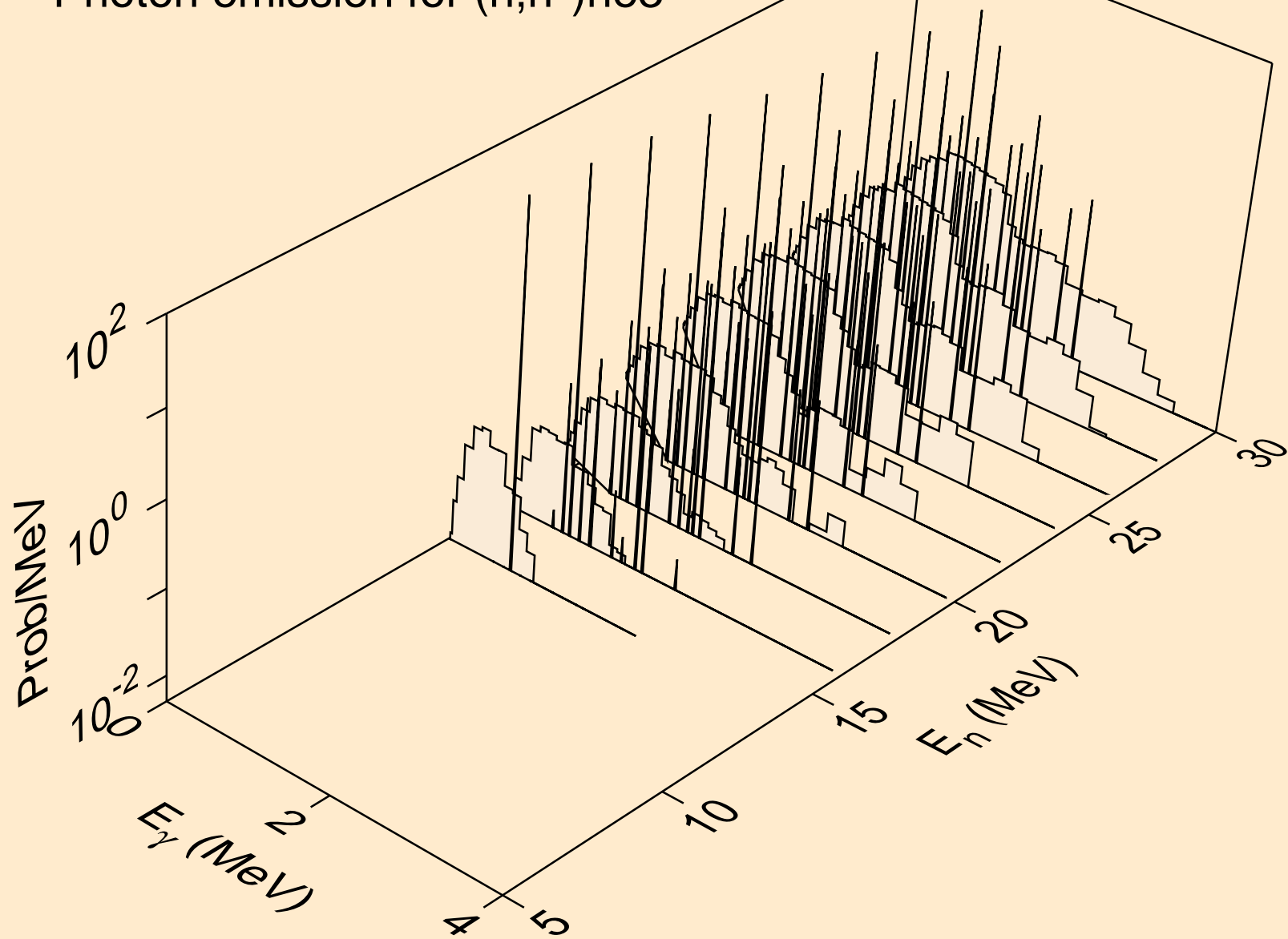


GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)t

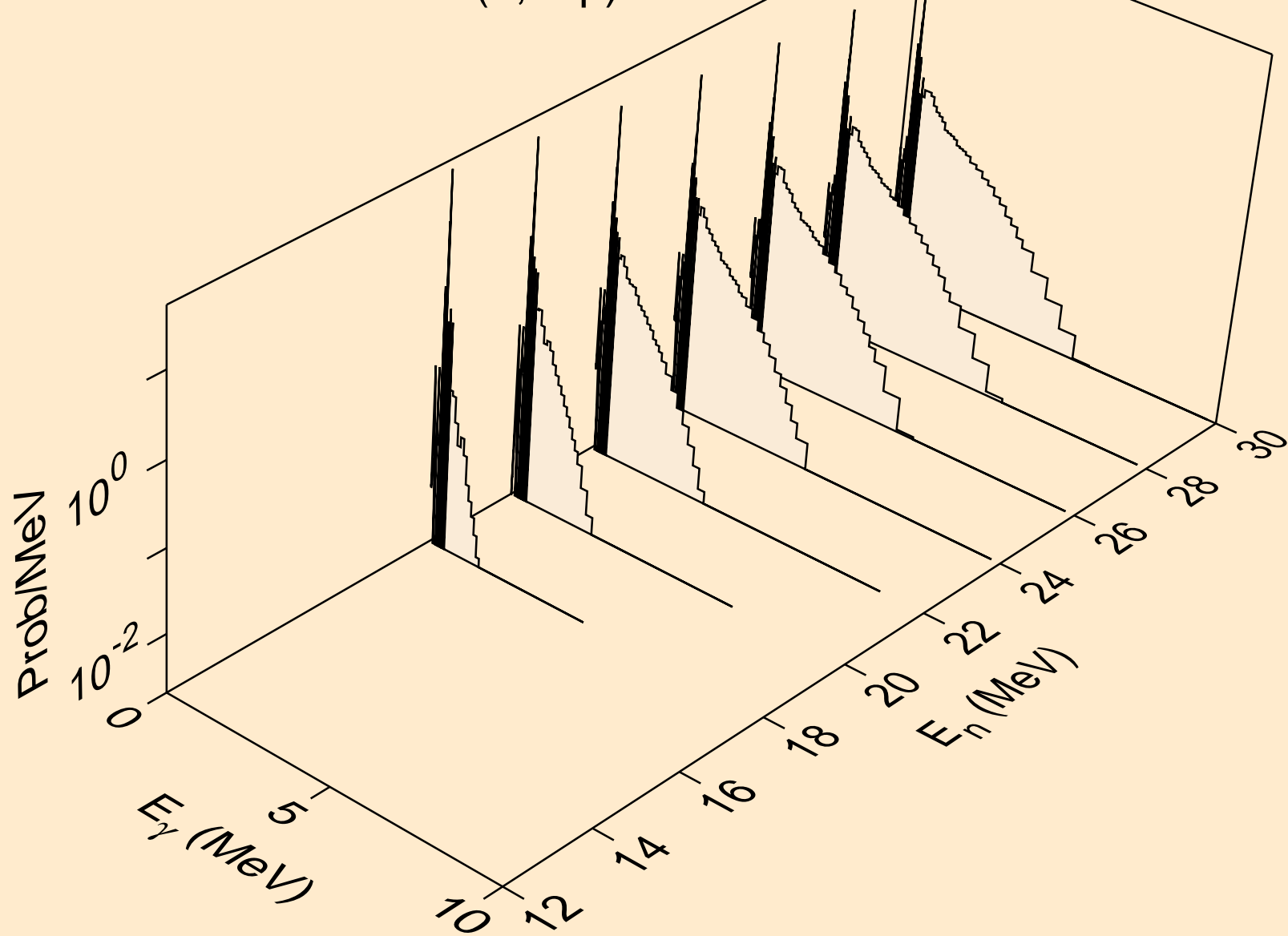




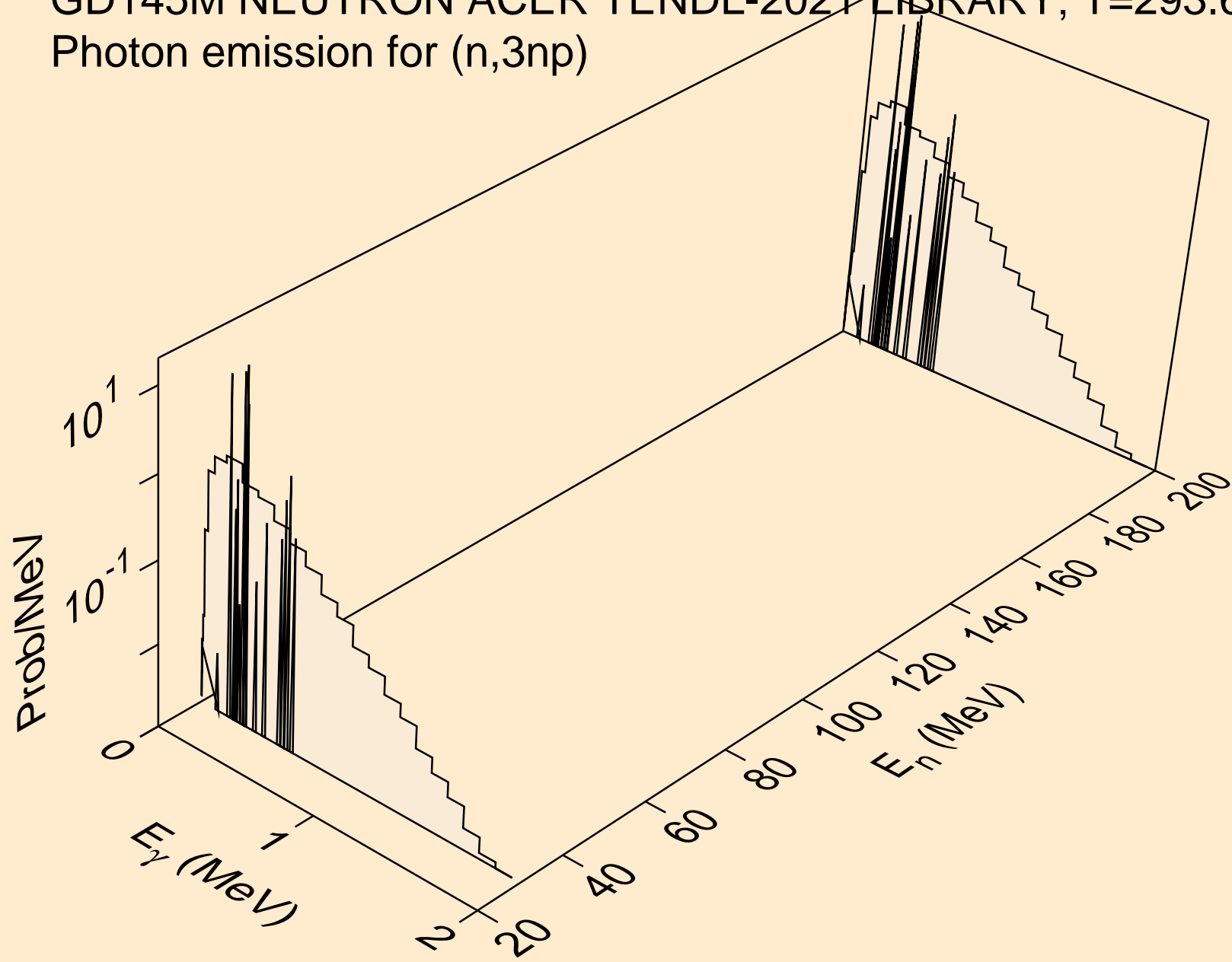
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Photon emission for (n,n\*)he3



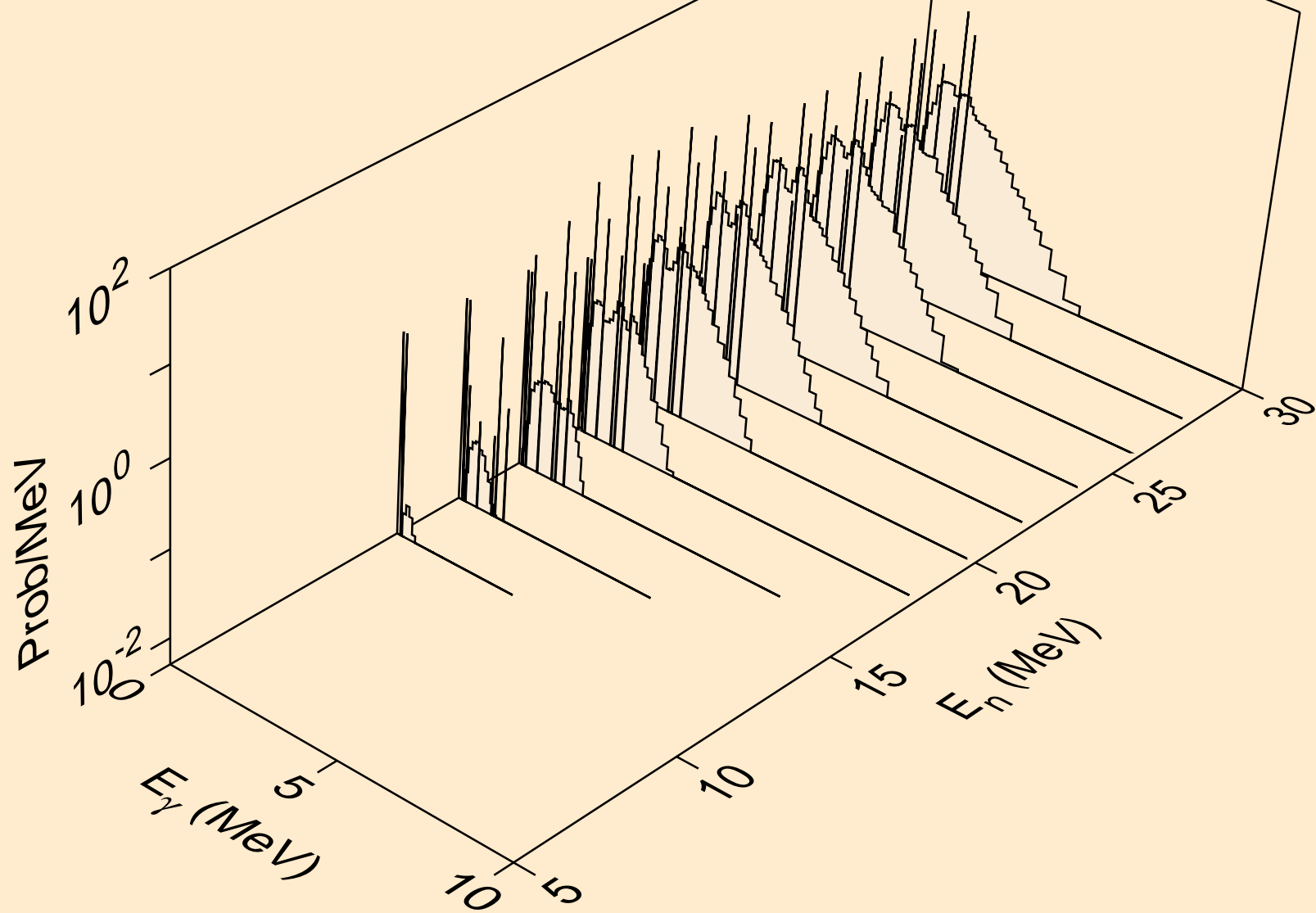
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Photon emission for (n,2np)



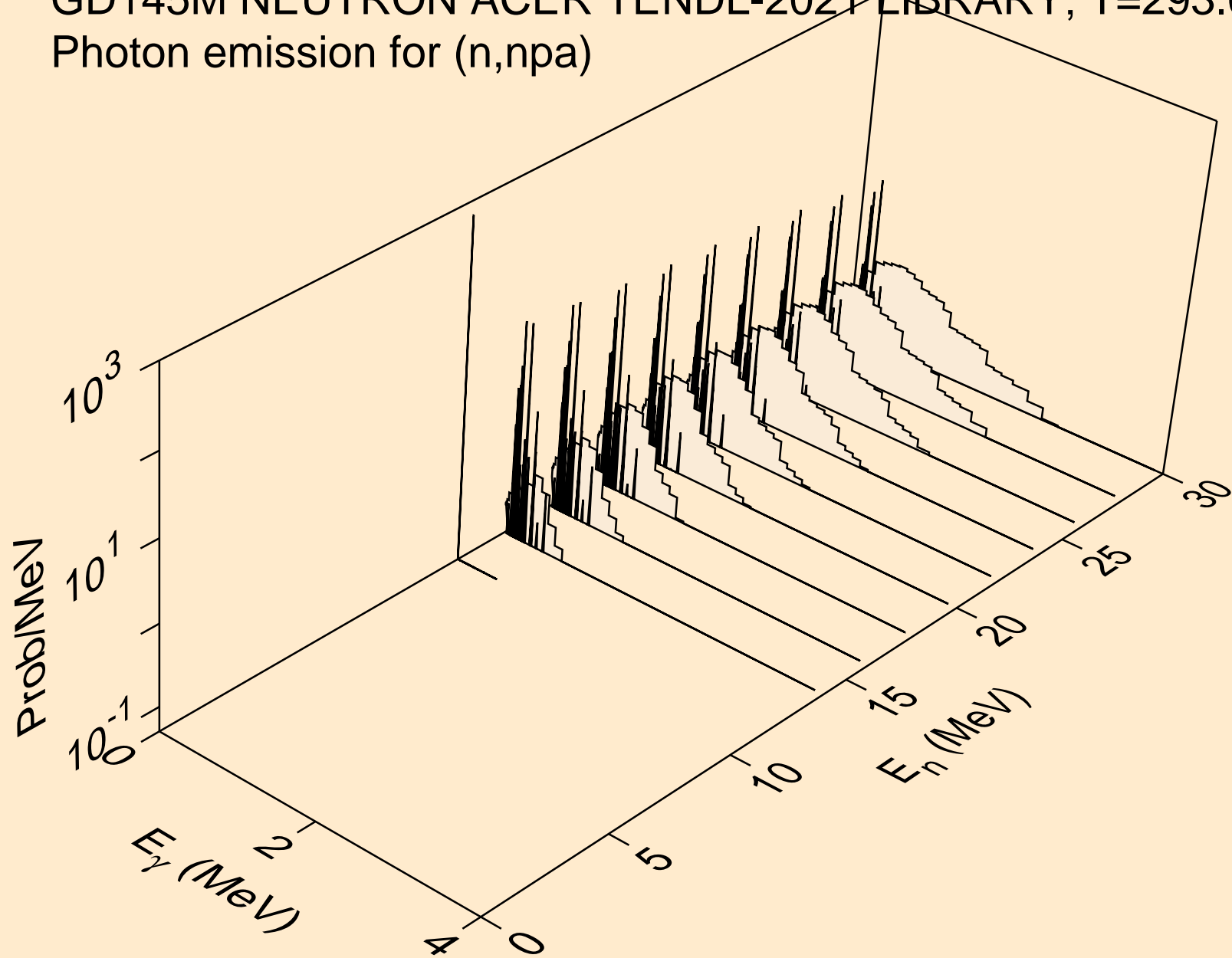
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Photon emission for (n,3np)



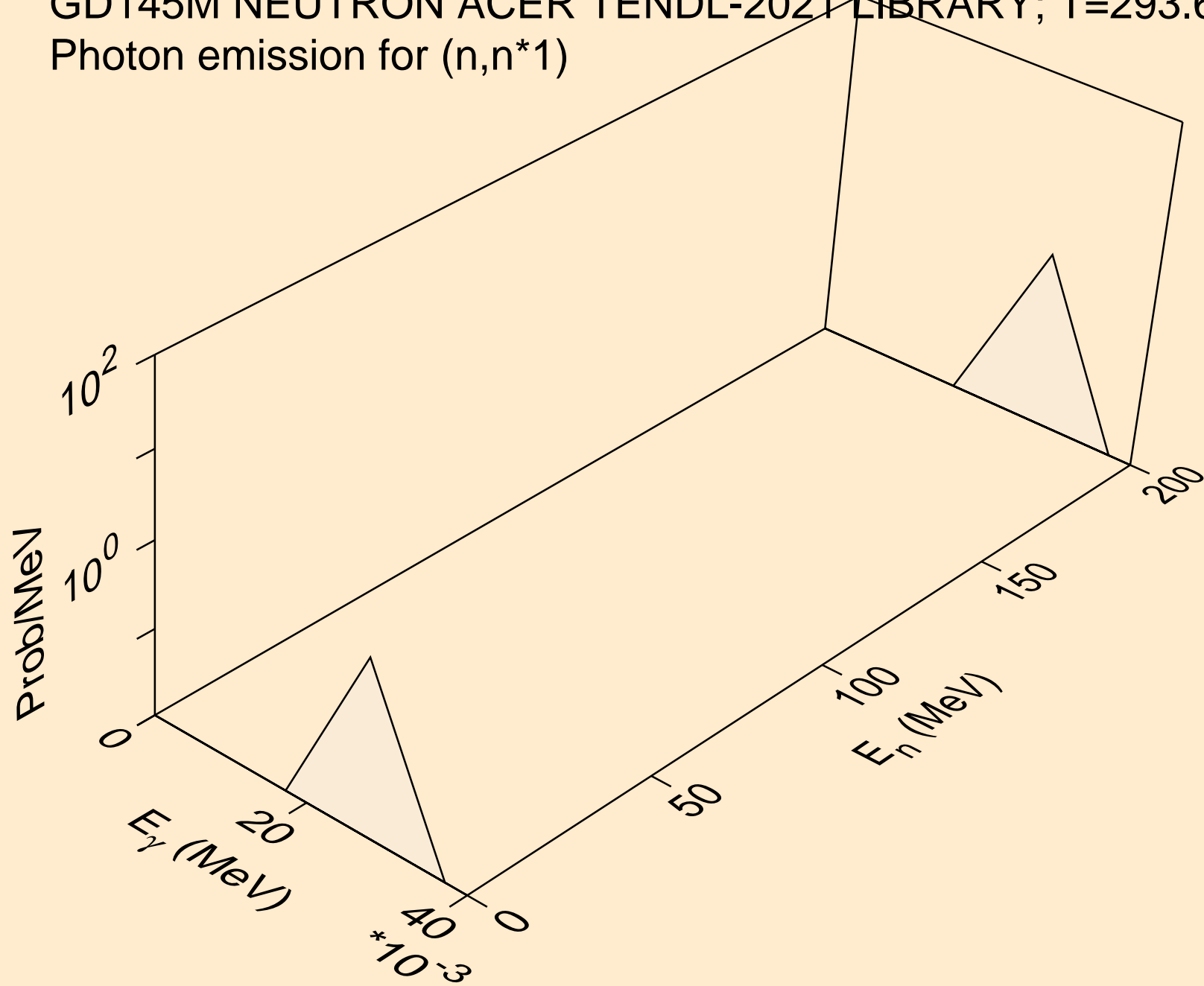
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Photon emission for (n,2np)



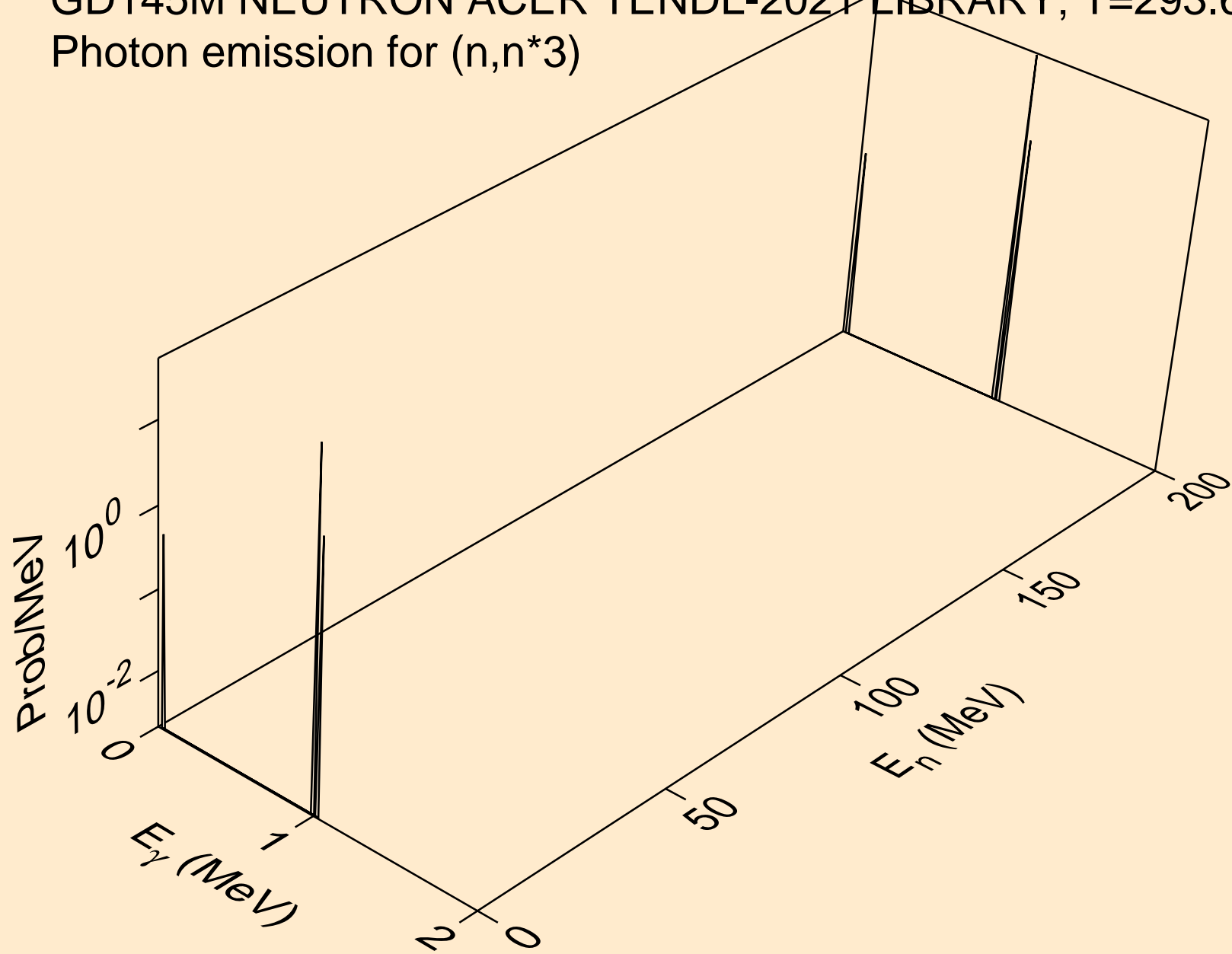
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Photon emission for (n,npa)



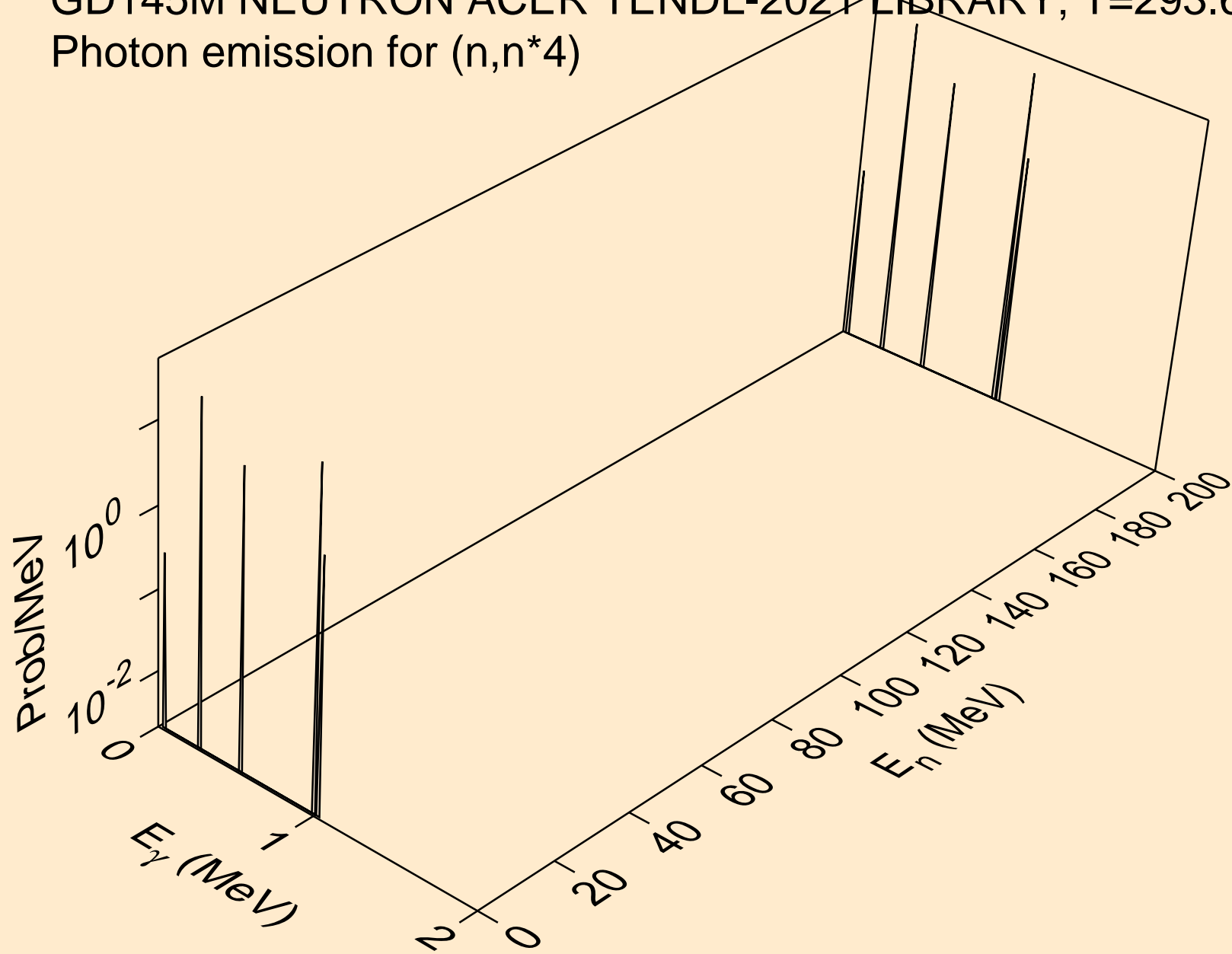
GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*1)



GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*3)

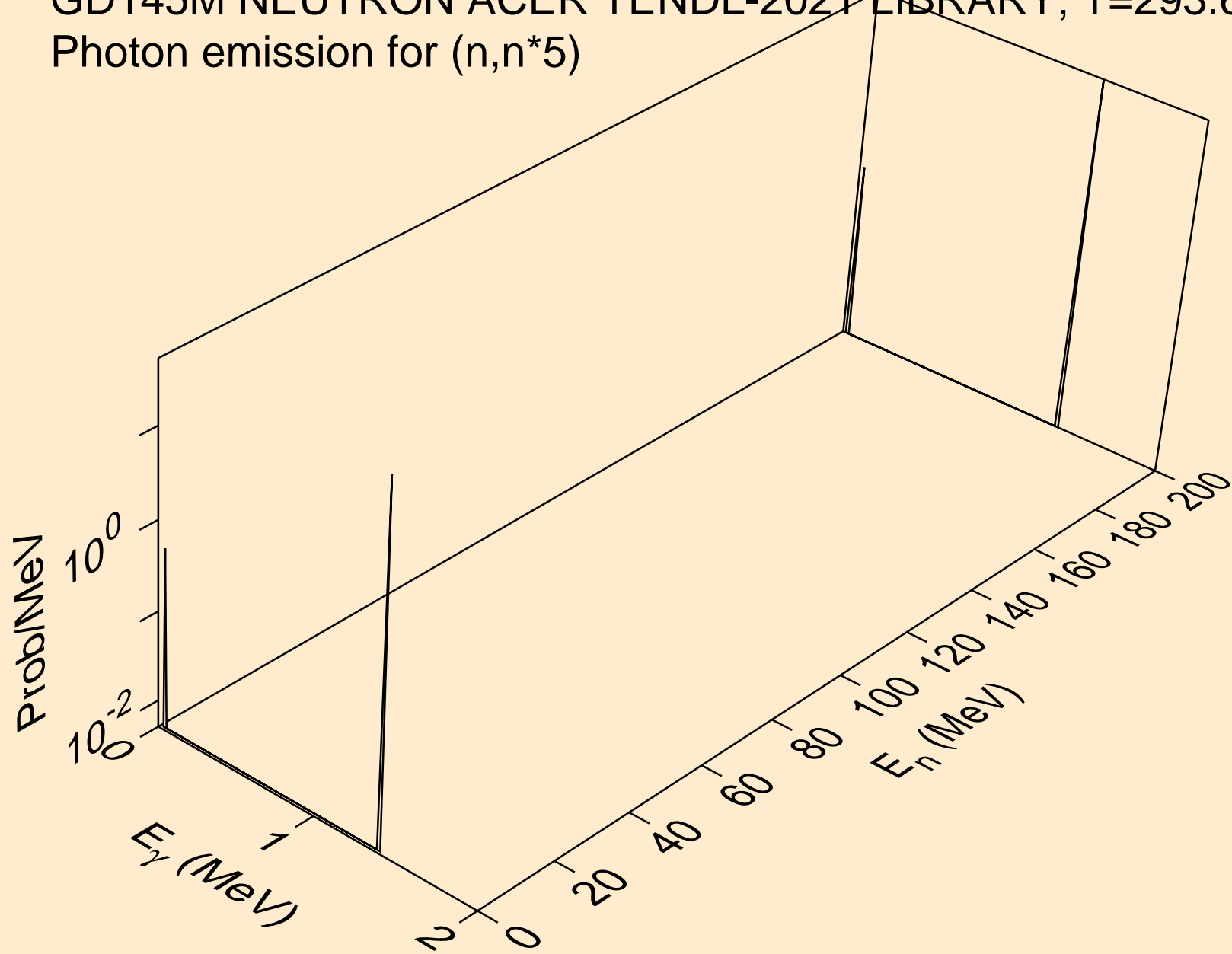


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Photon emission for (n,n\*4)

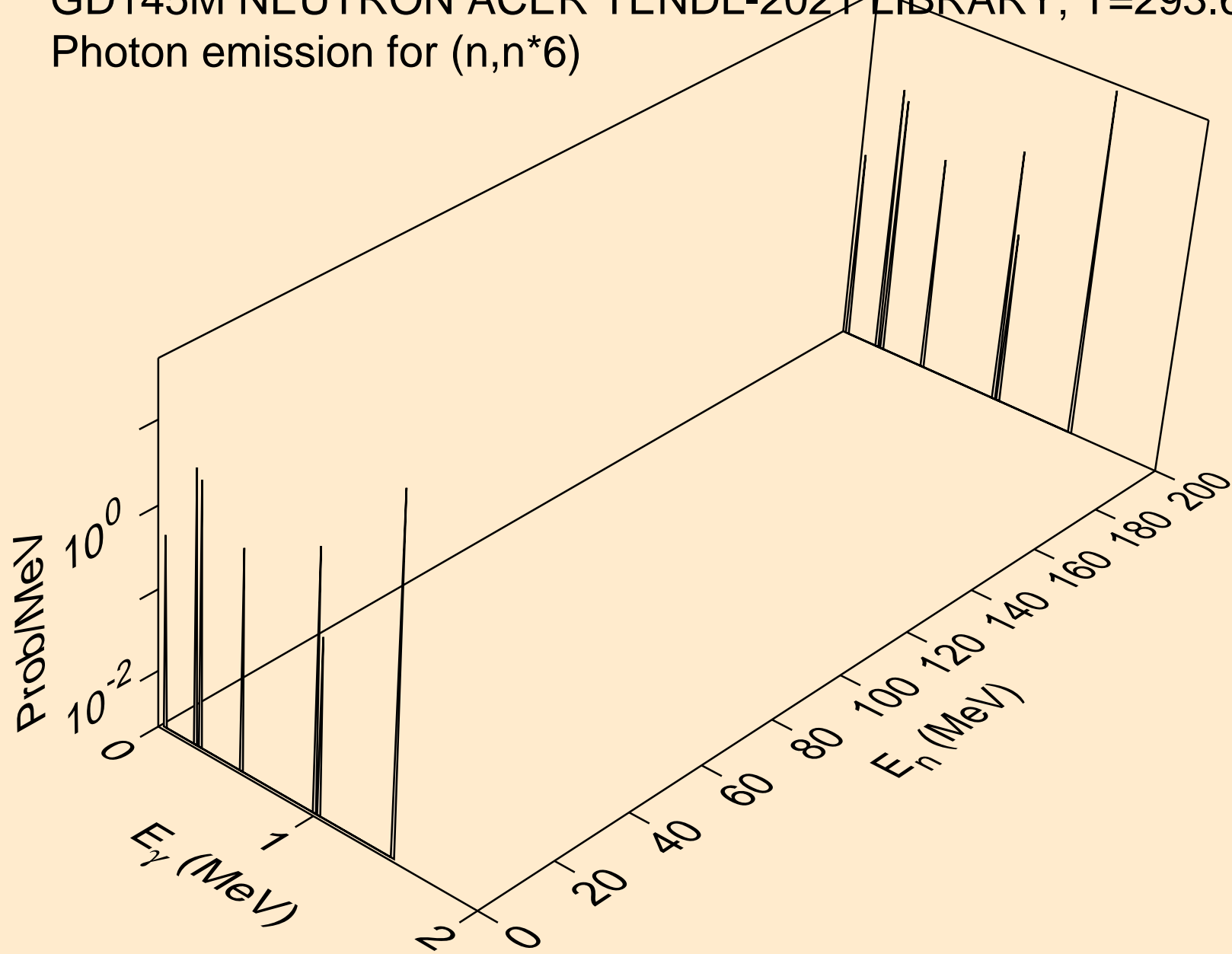




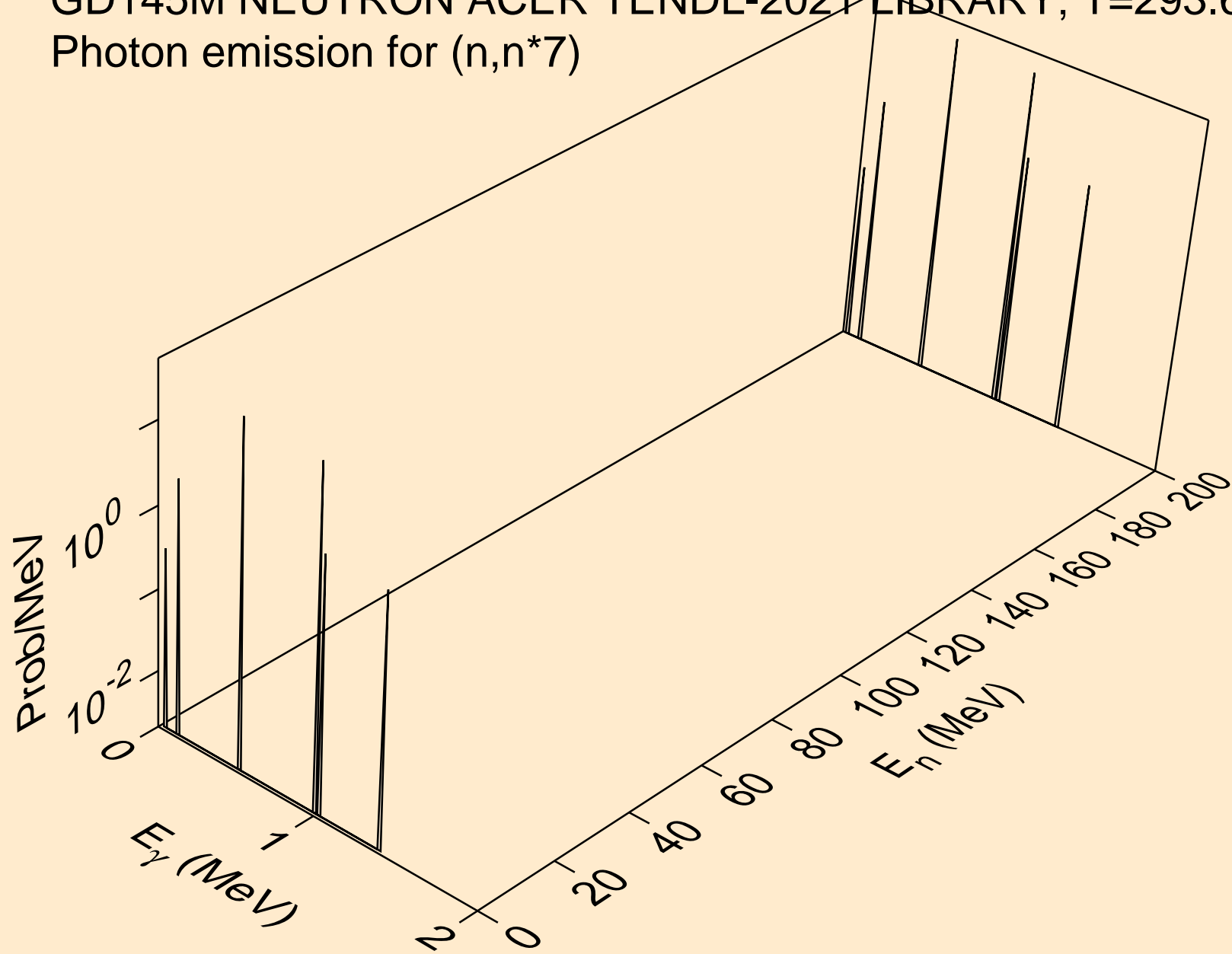
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Photon emission for (n,n\*5)



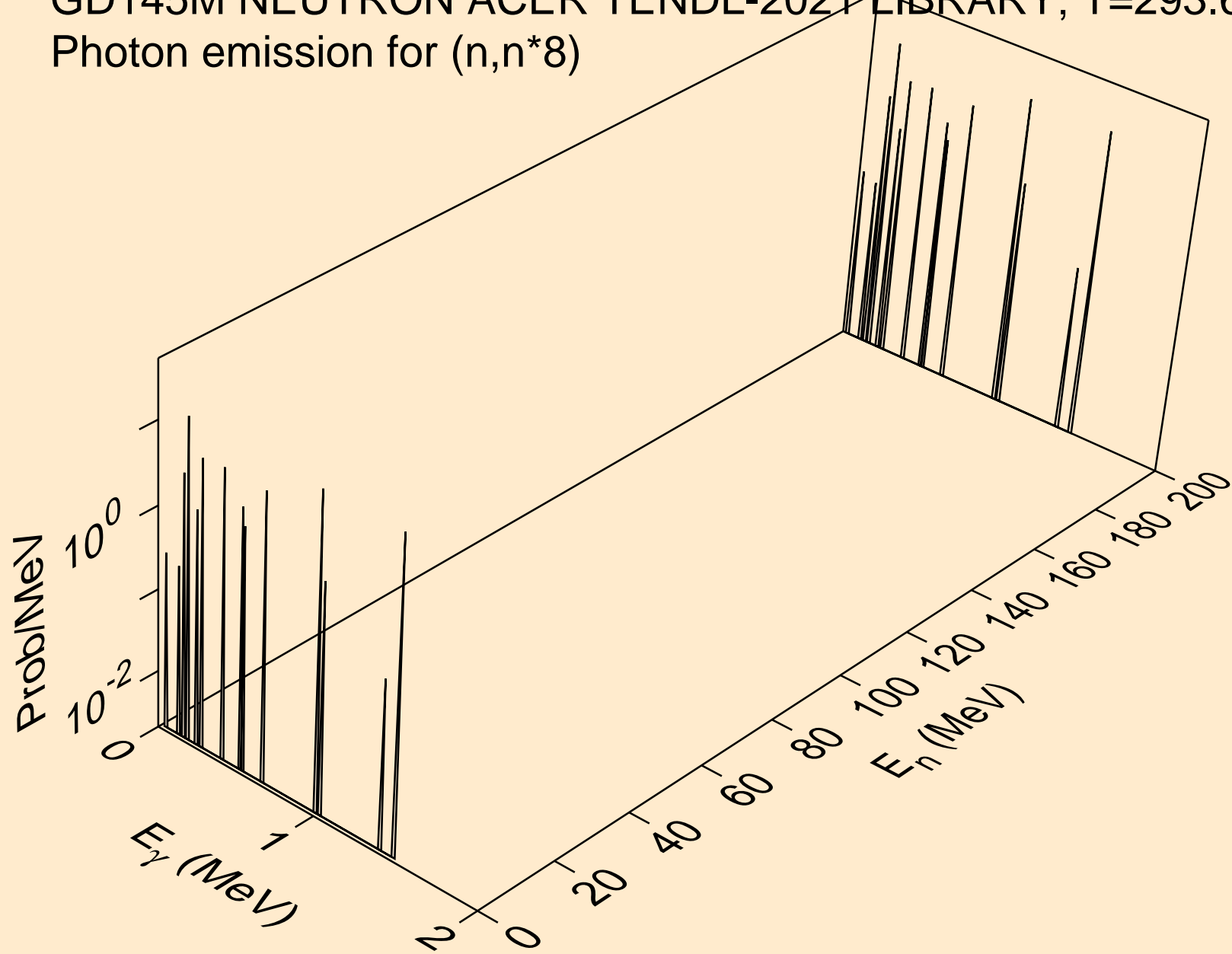
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Photon emission for (n,n\*6)



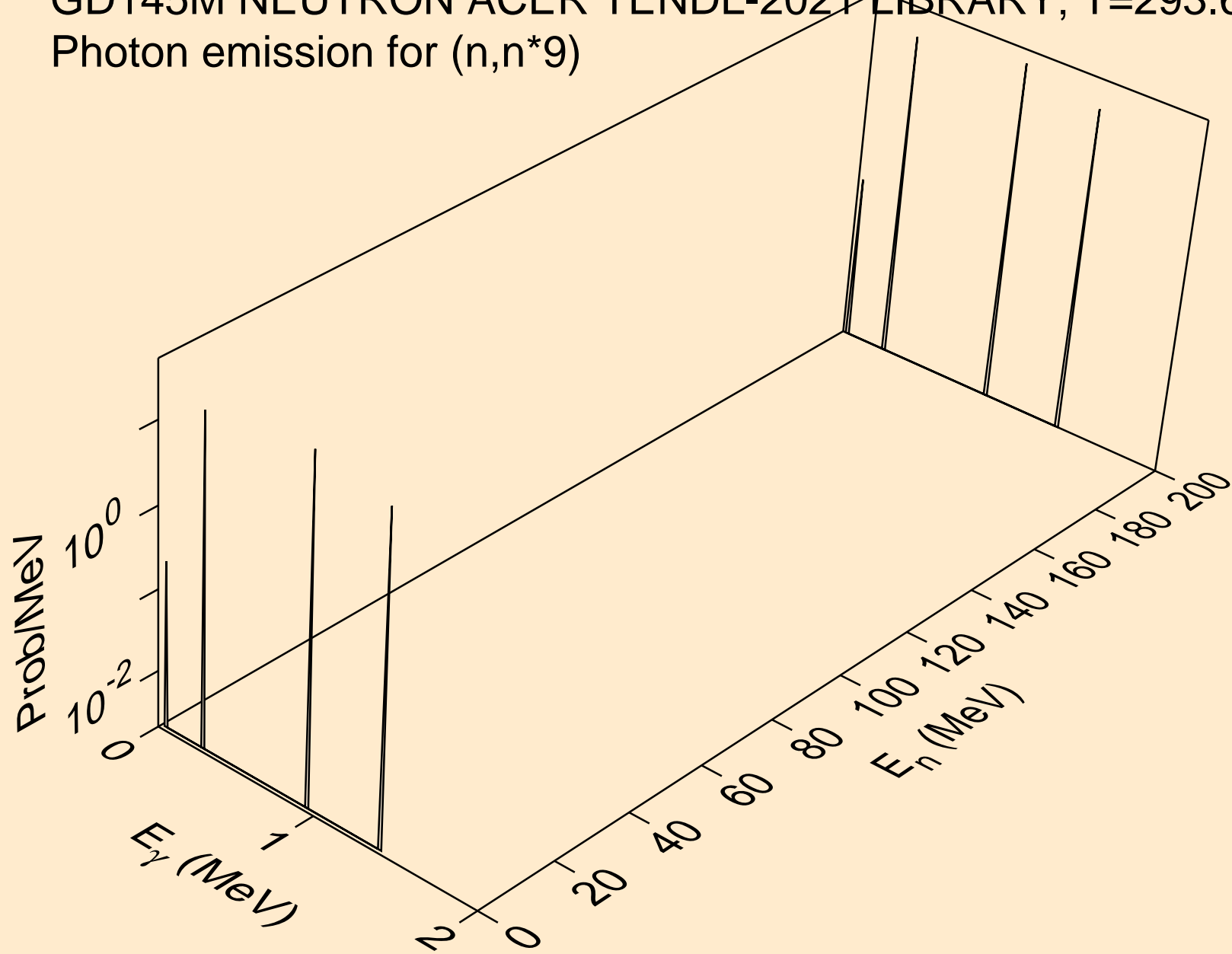
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Photon emission for (n,n\*7)



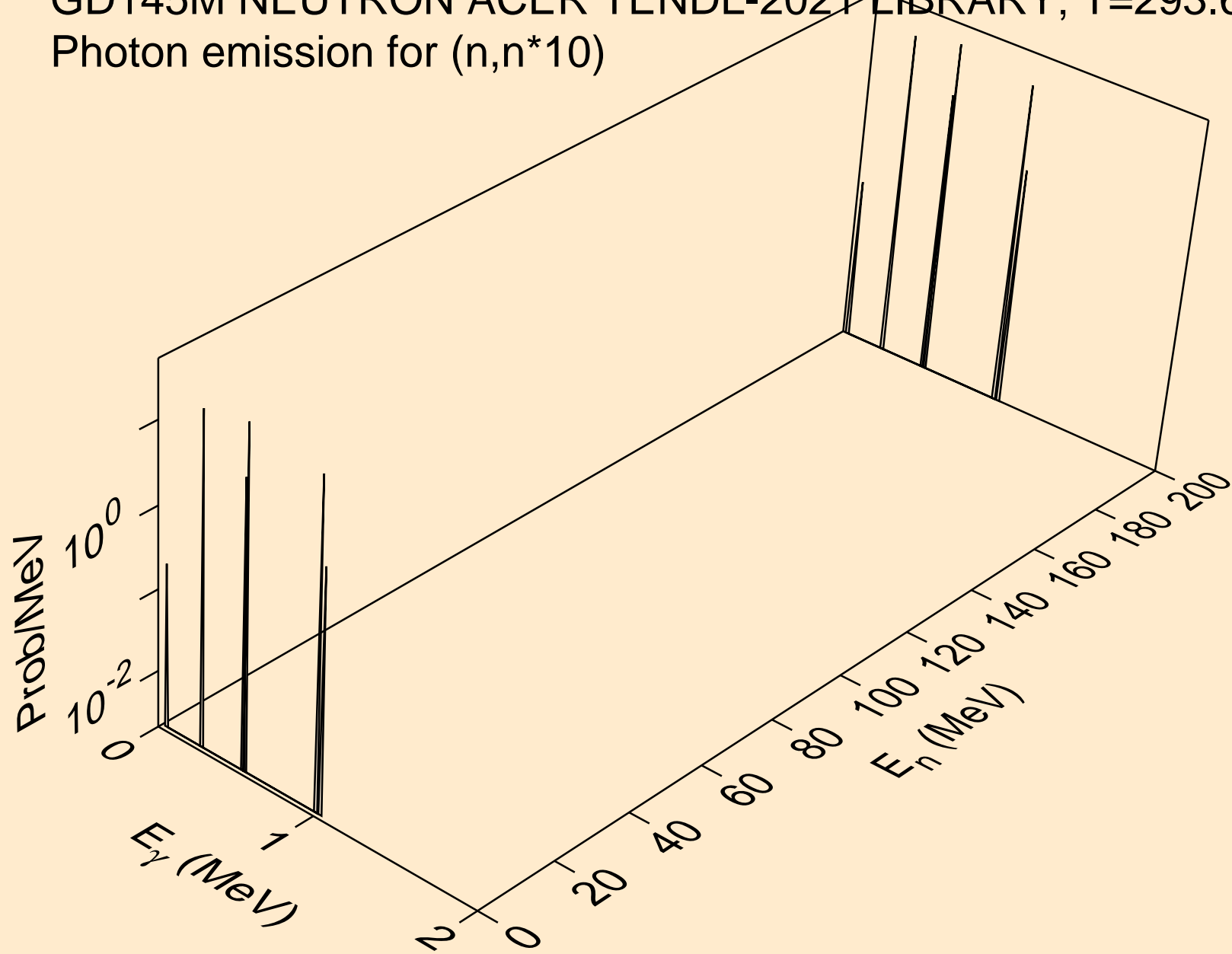
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Photon emission for (n,n\*8)



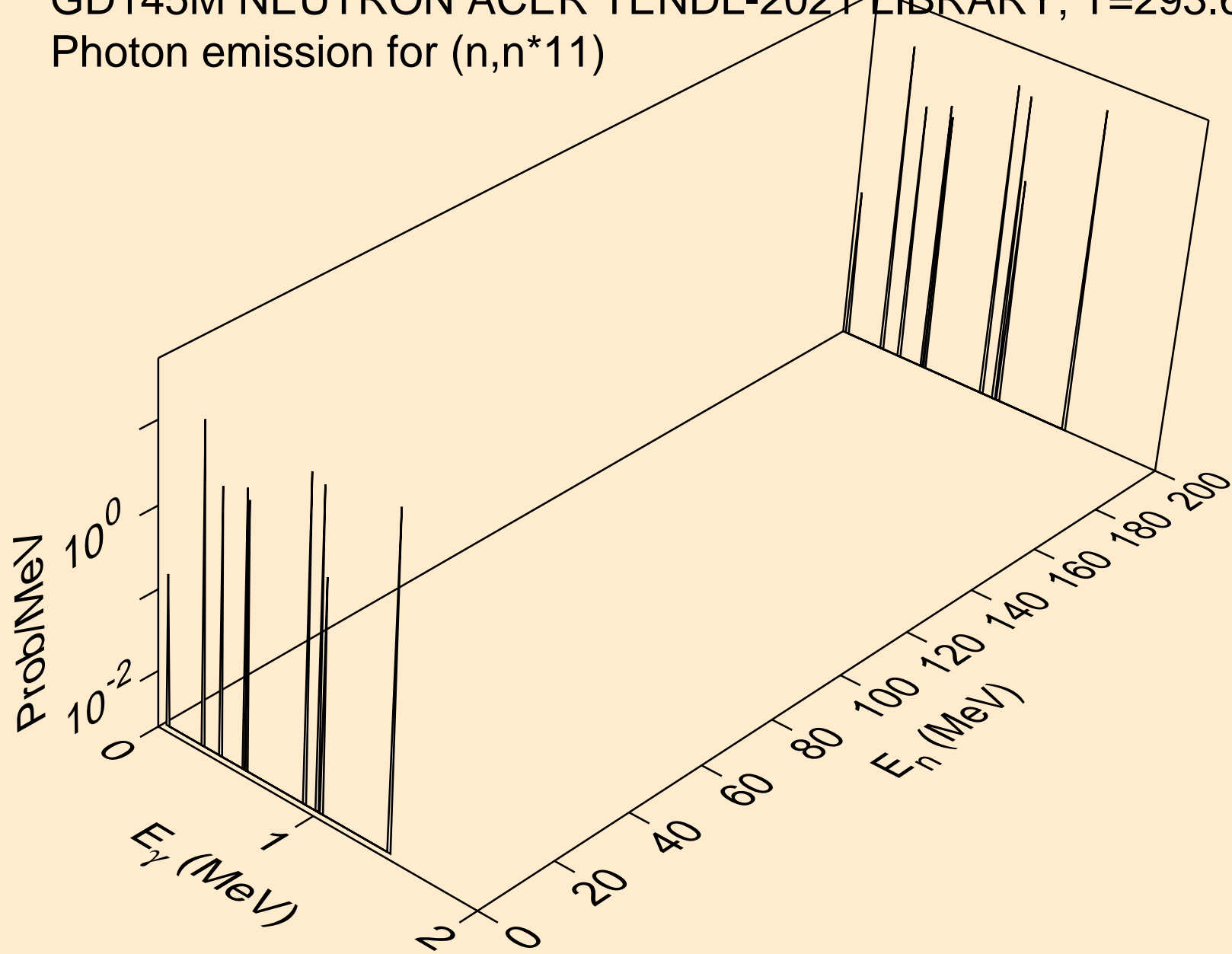
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Photon emission for (n,n\*9)



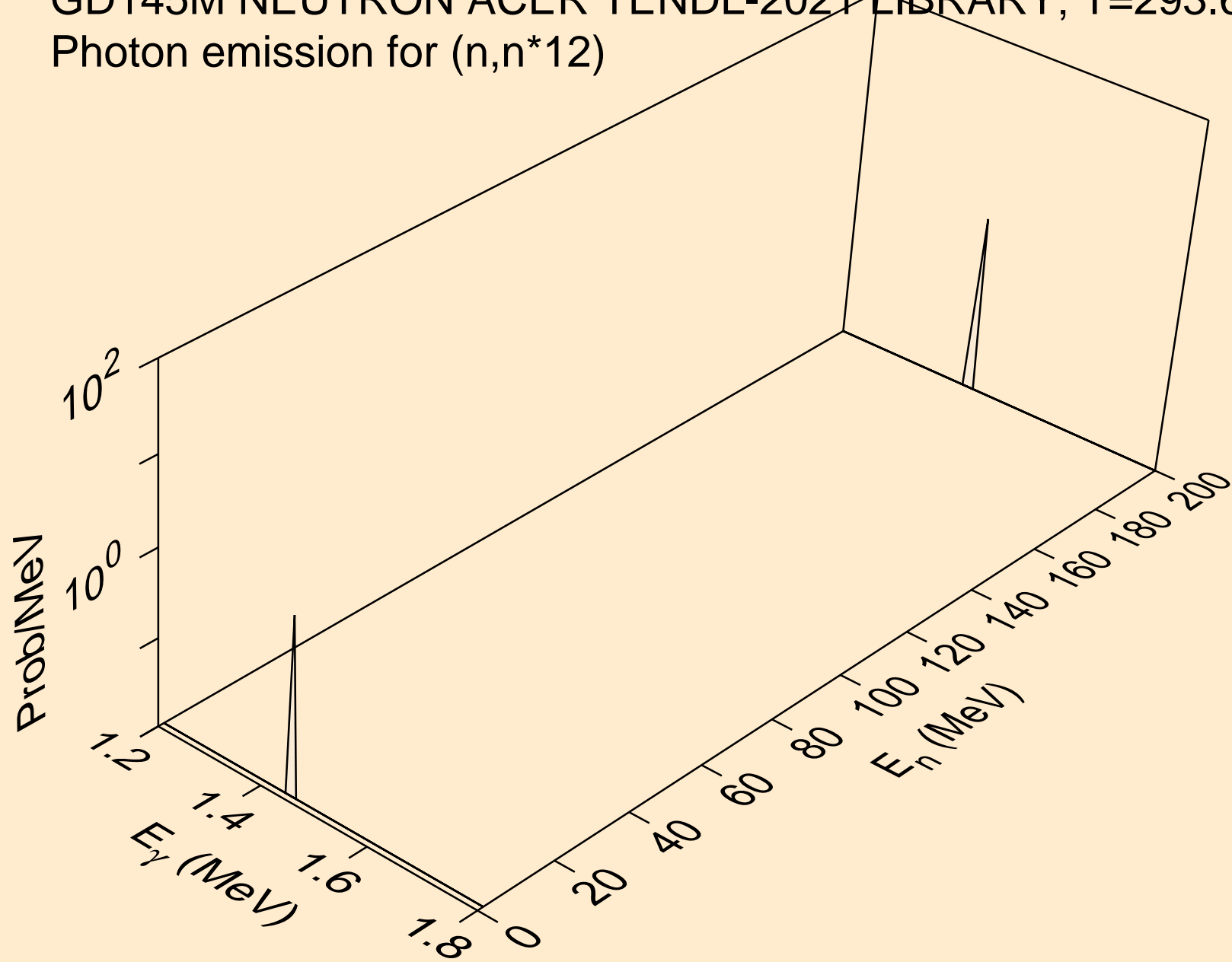
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Photon emission for (n,n\*10)



GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*11)

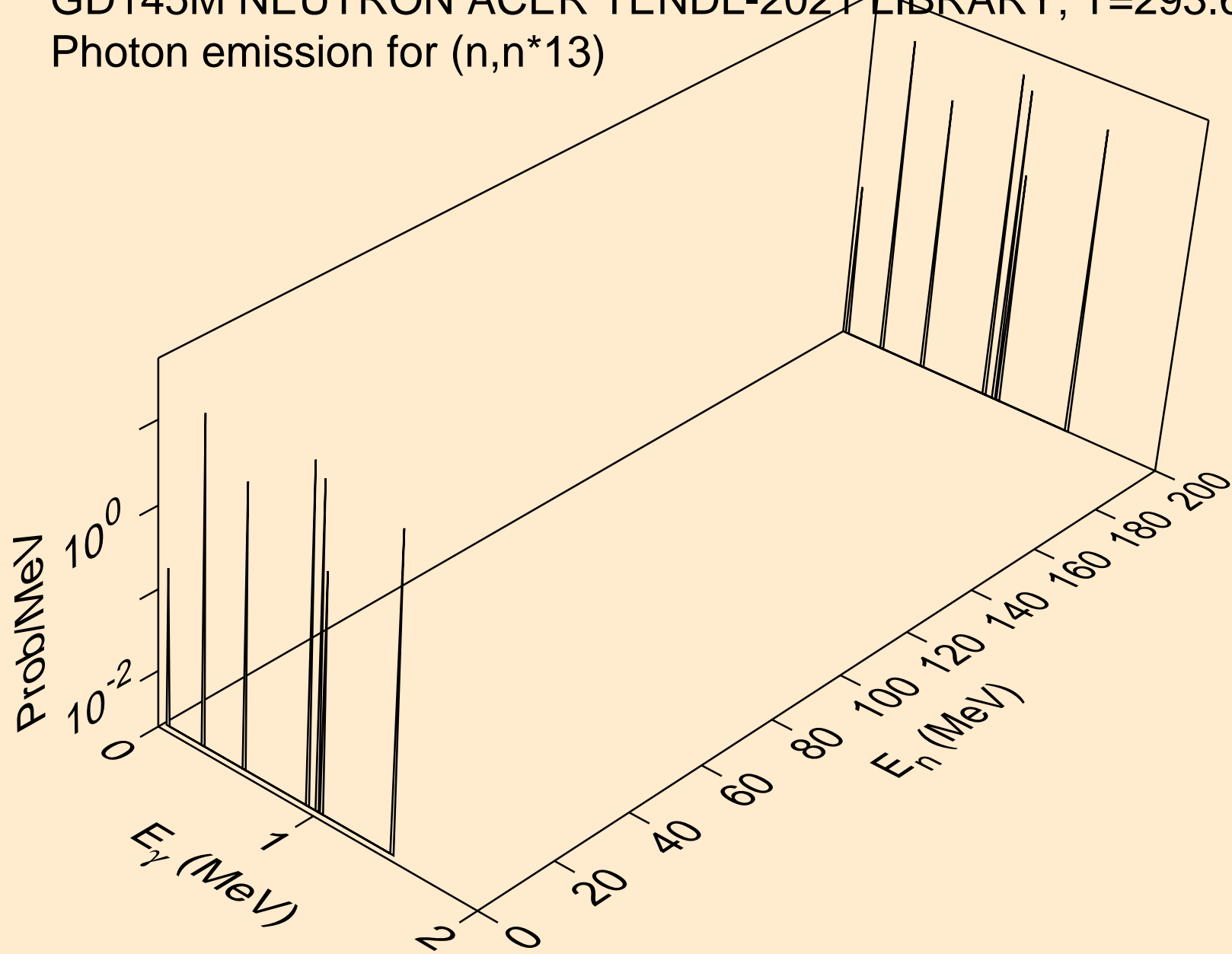


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Photon emission for (n,n\*12)

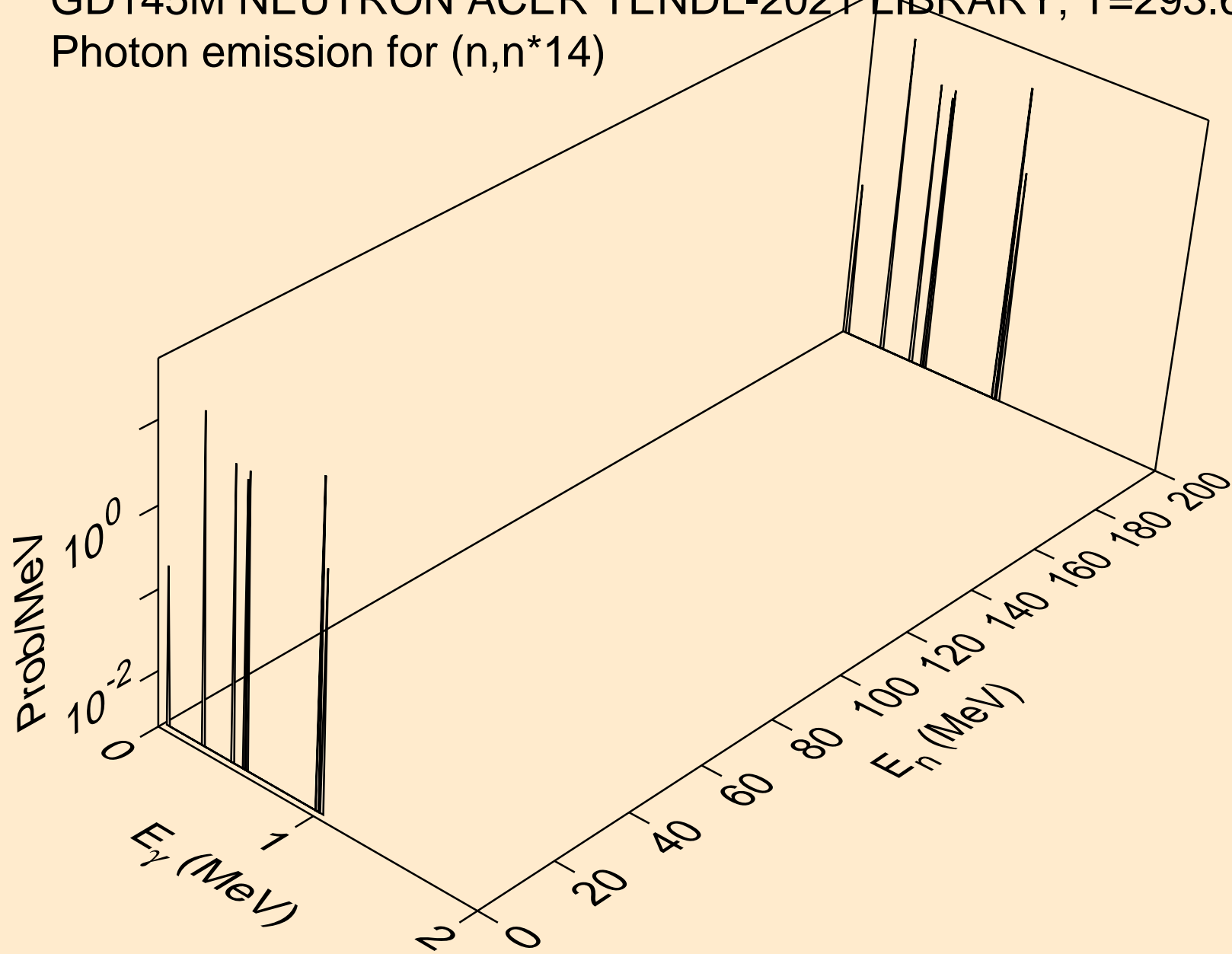




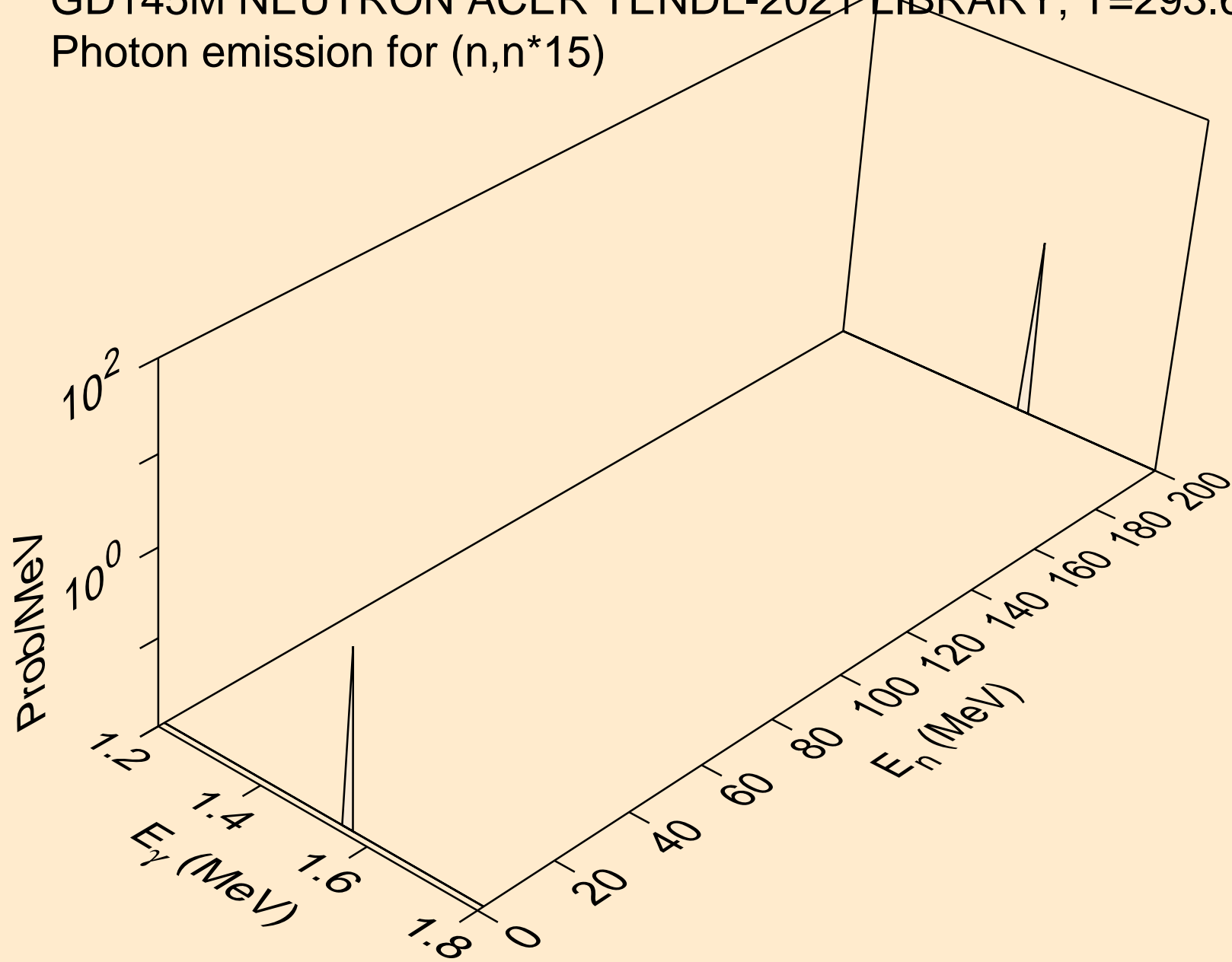
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Photon emission for (n,n\*13)



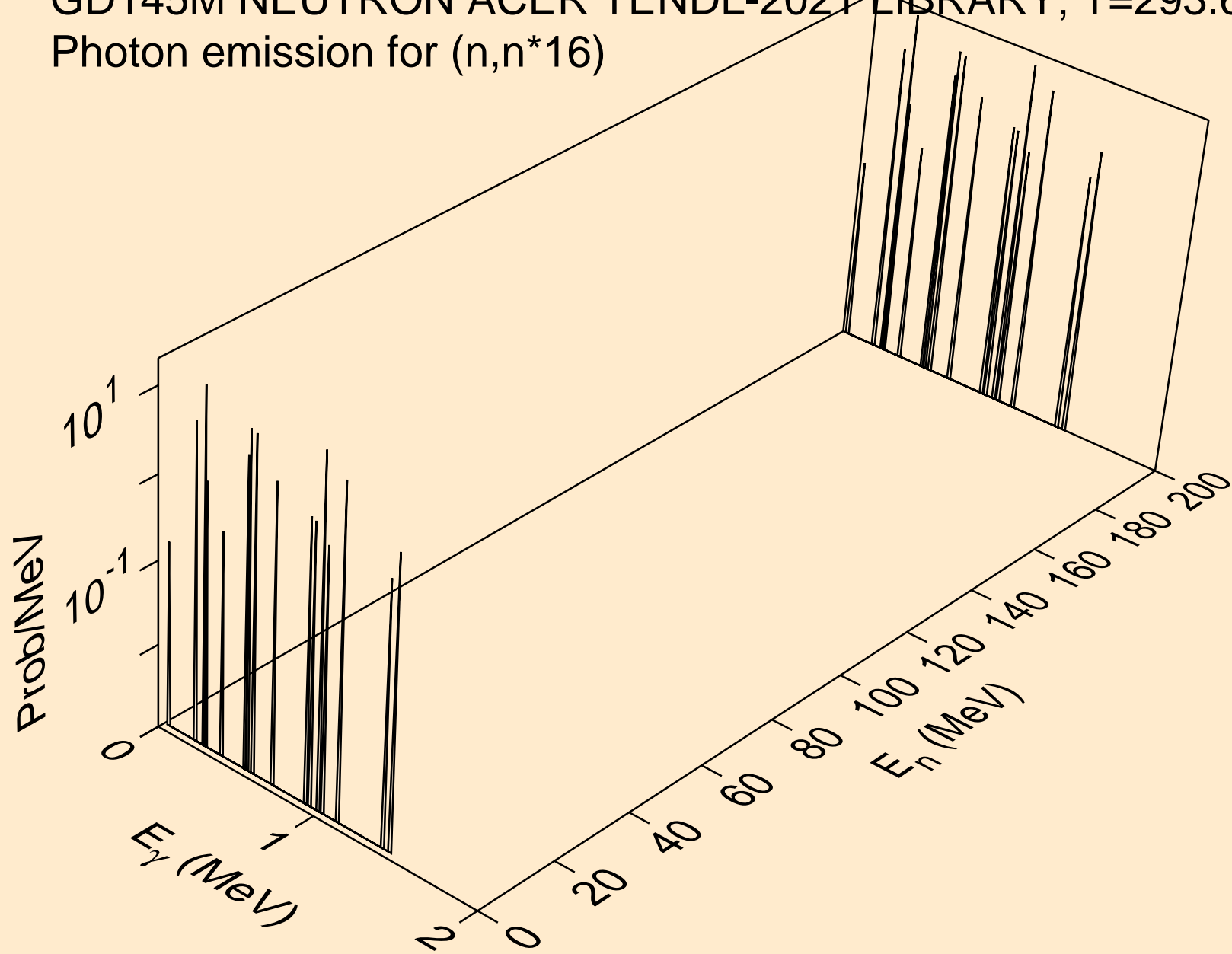
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Photon emission for (n,n\*14)



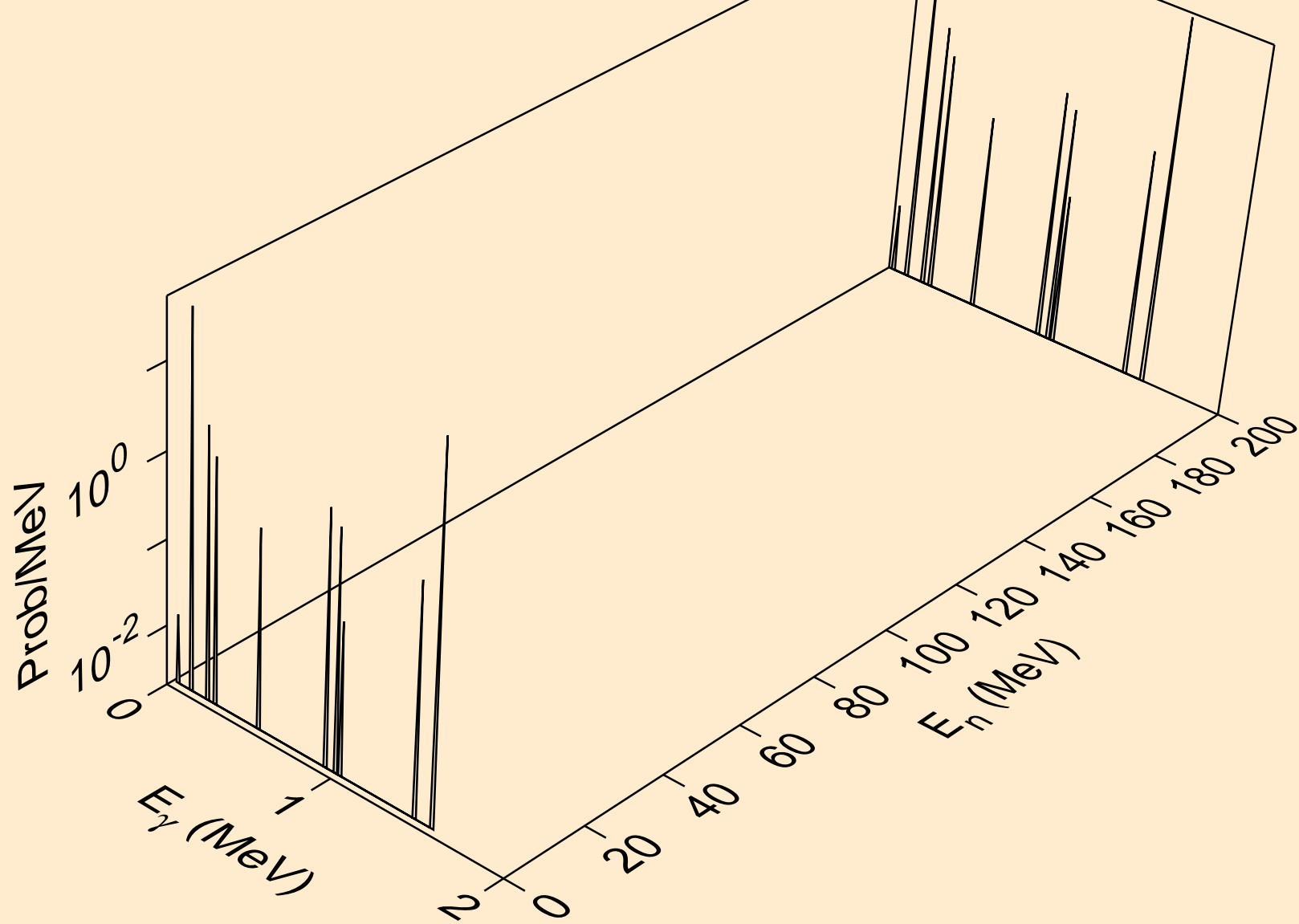
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Photon emission for (n,n\*15)



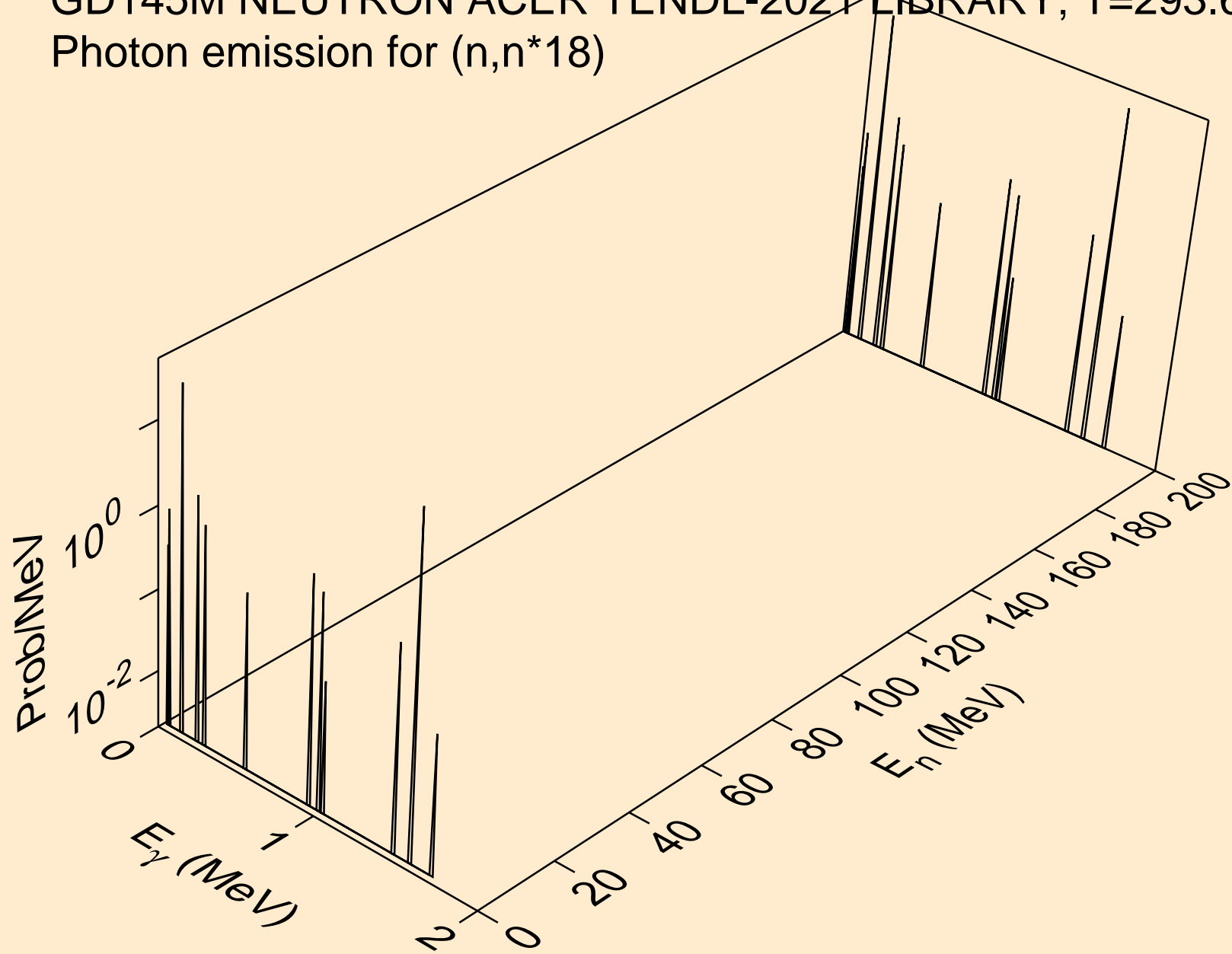
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Photon emission for (n,n\*16)



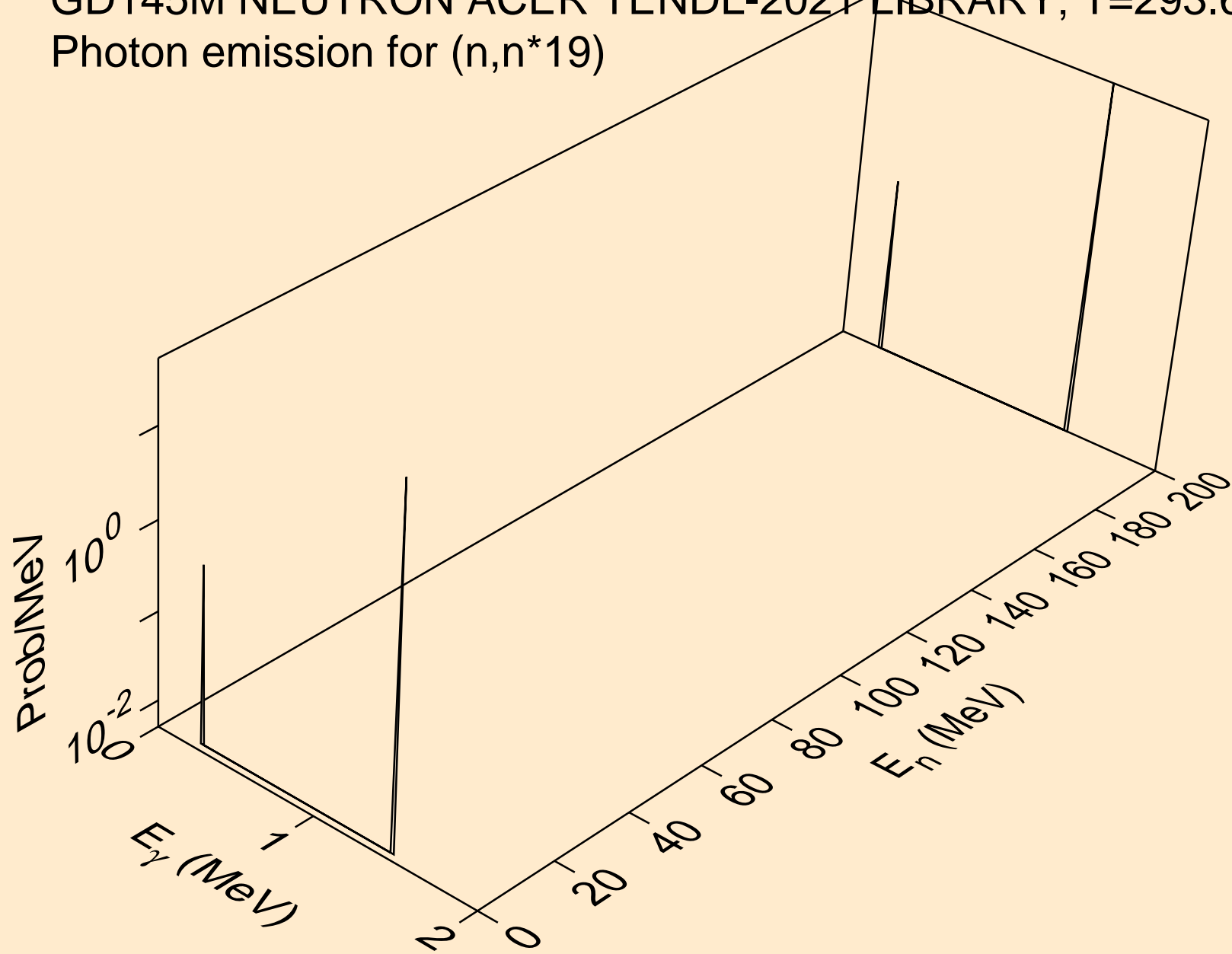
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Photon emission for (n,n\*17)



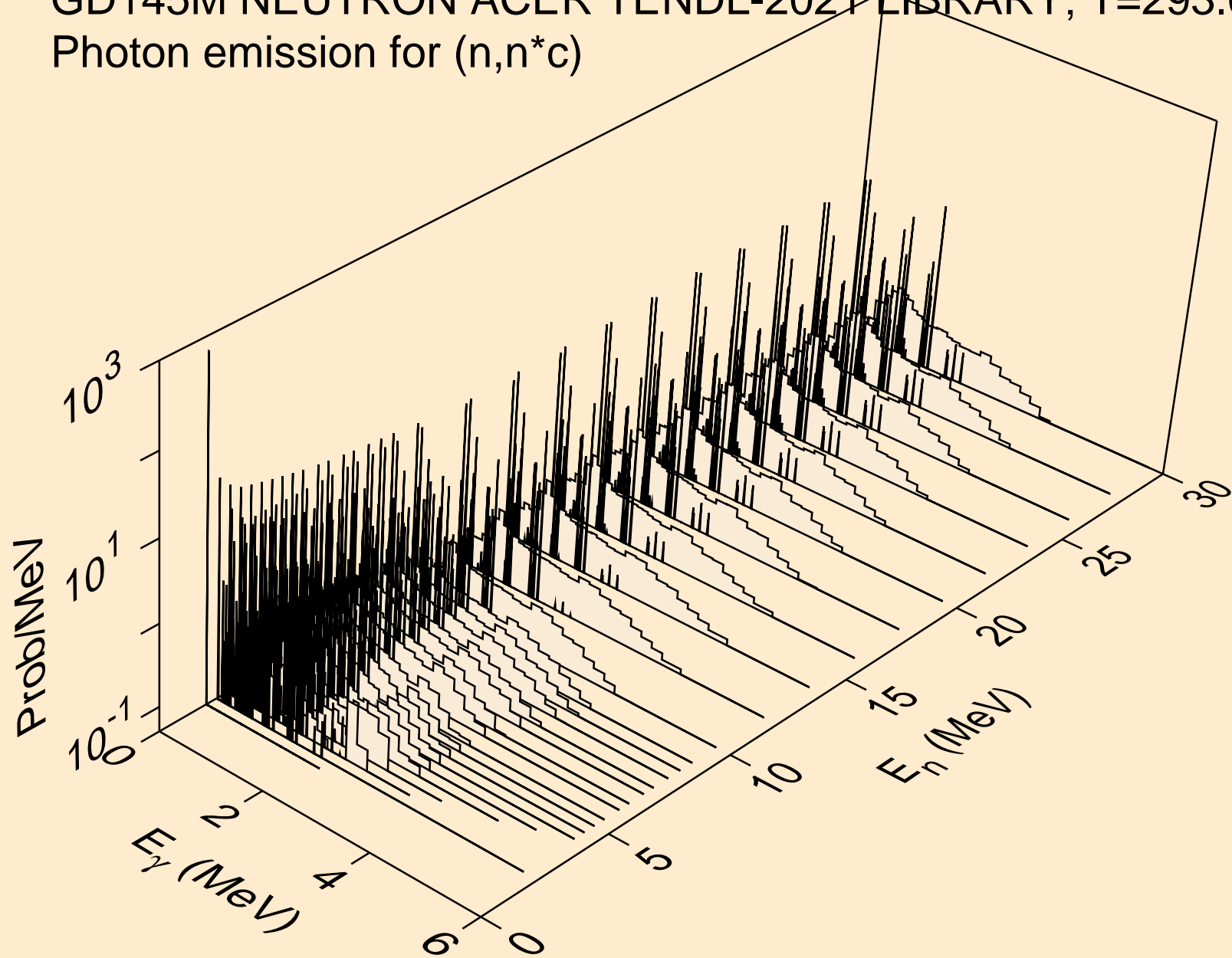
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Photon emission for (n,n\*18)



GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*19)

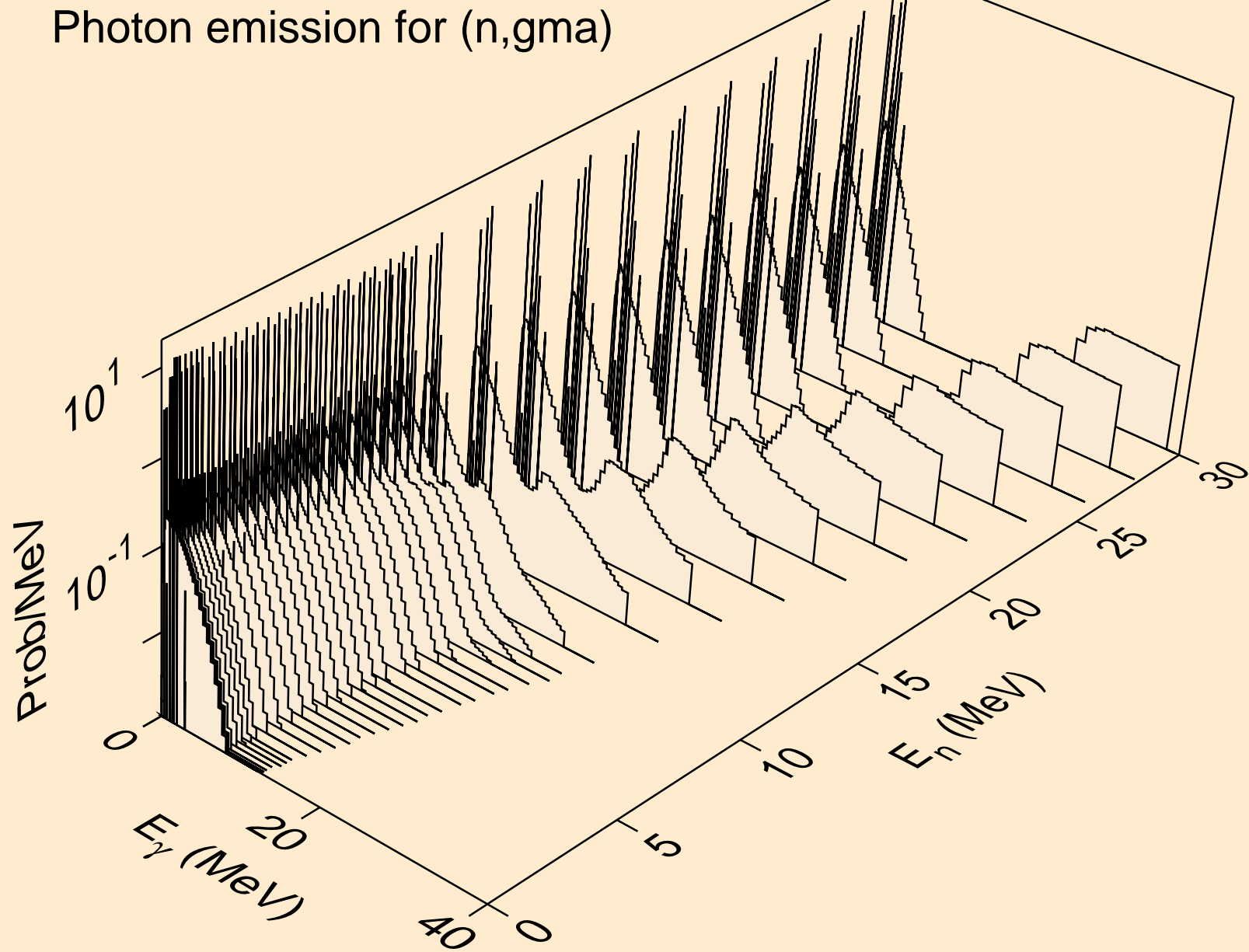


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Photon emission for (n,n\*c)

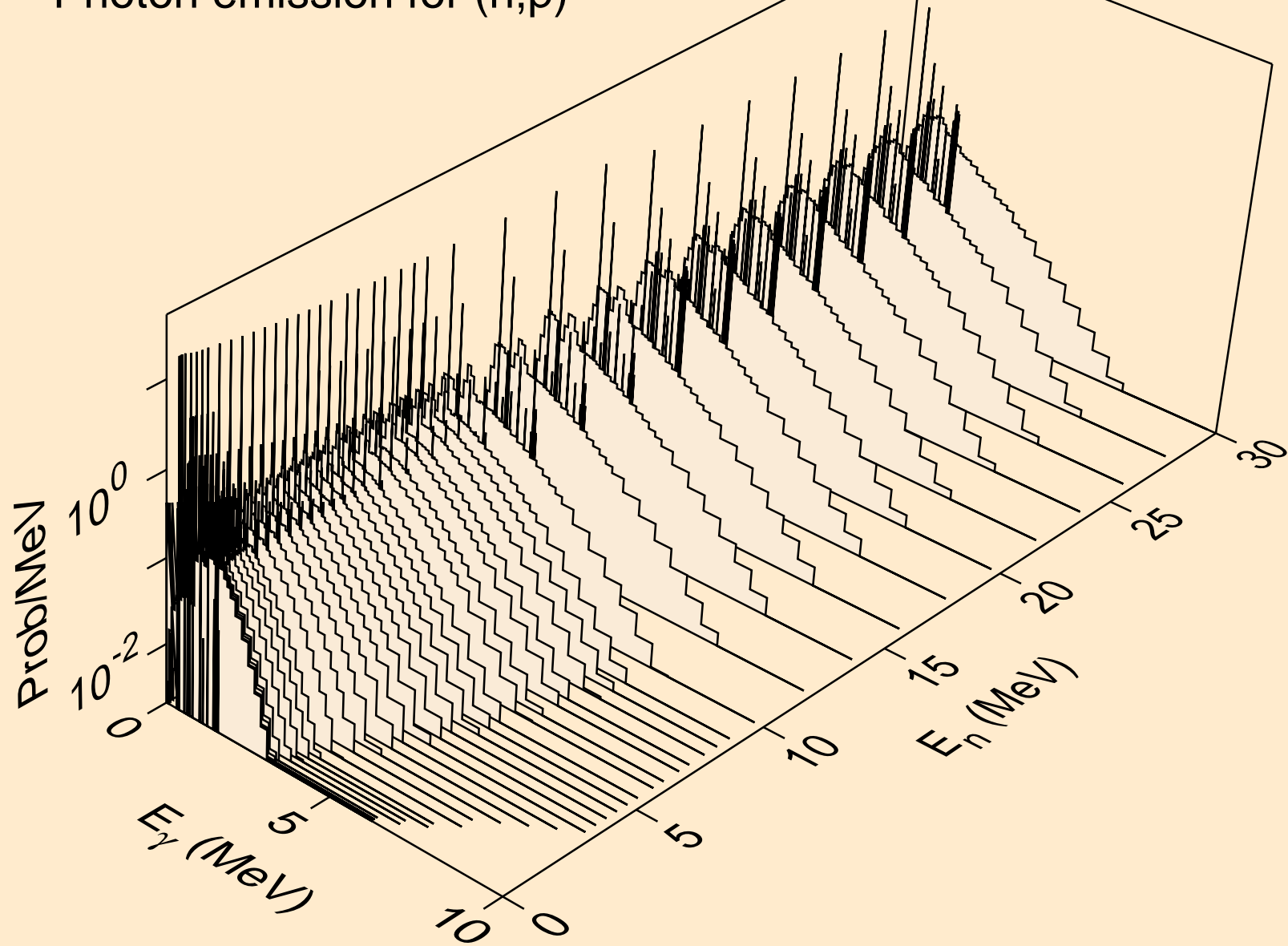




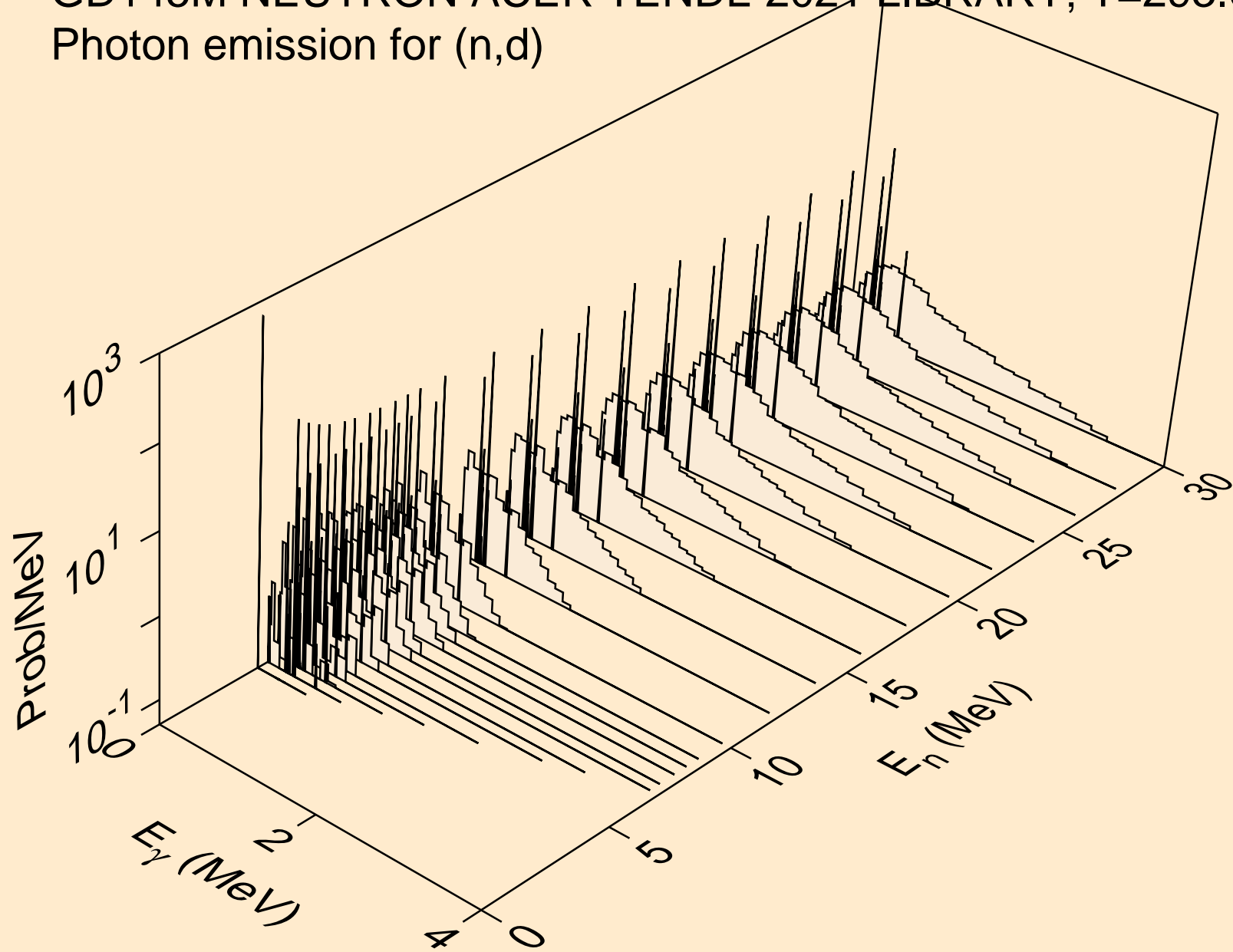
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Photon emission for (n,gma)



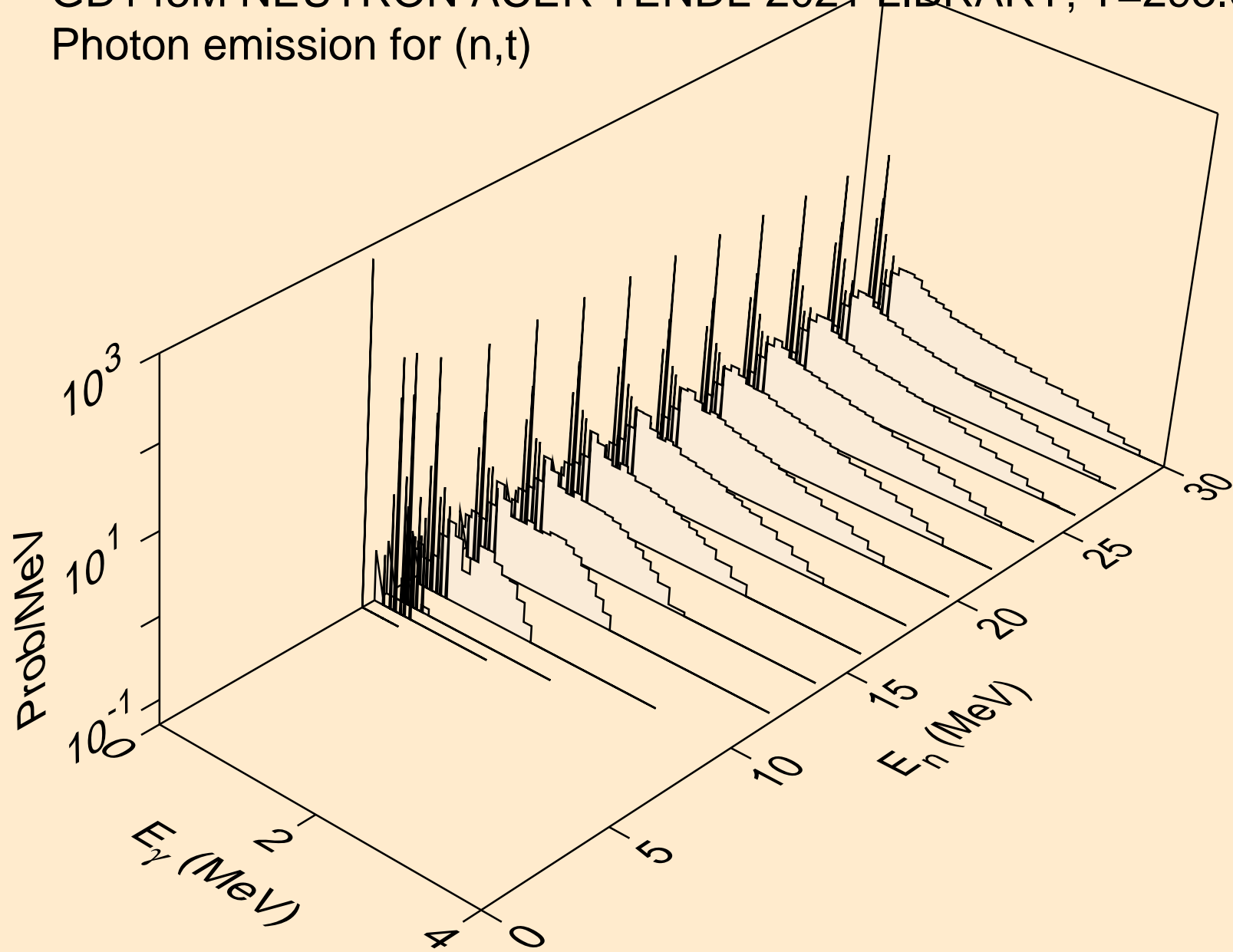
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Photon emission for (n,p)



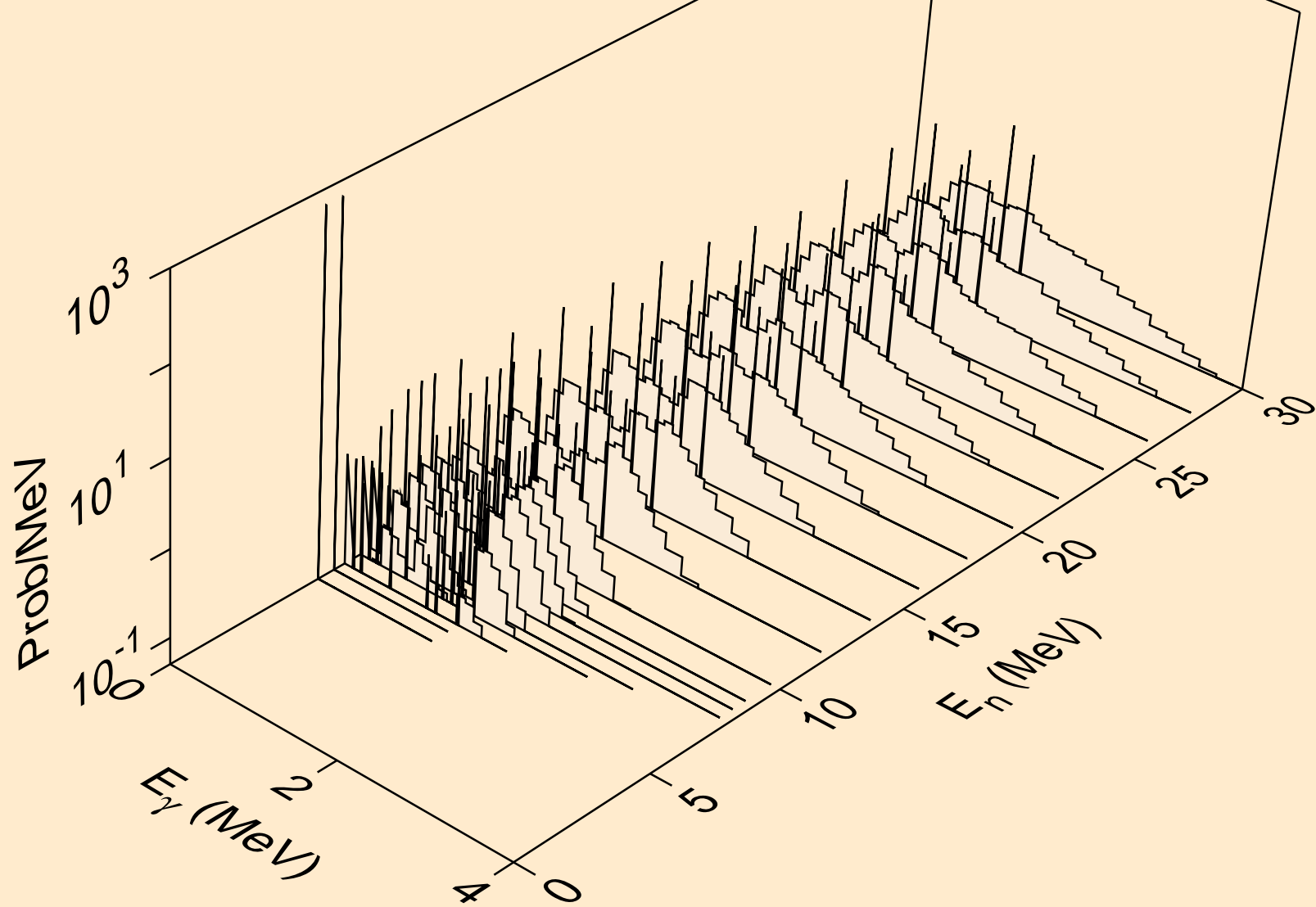
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Photon emission for (n,d)



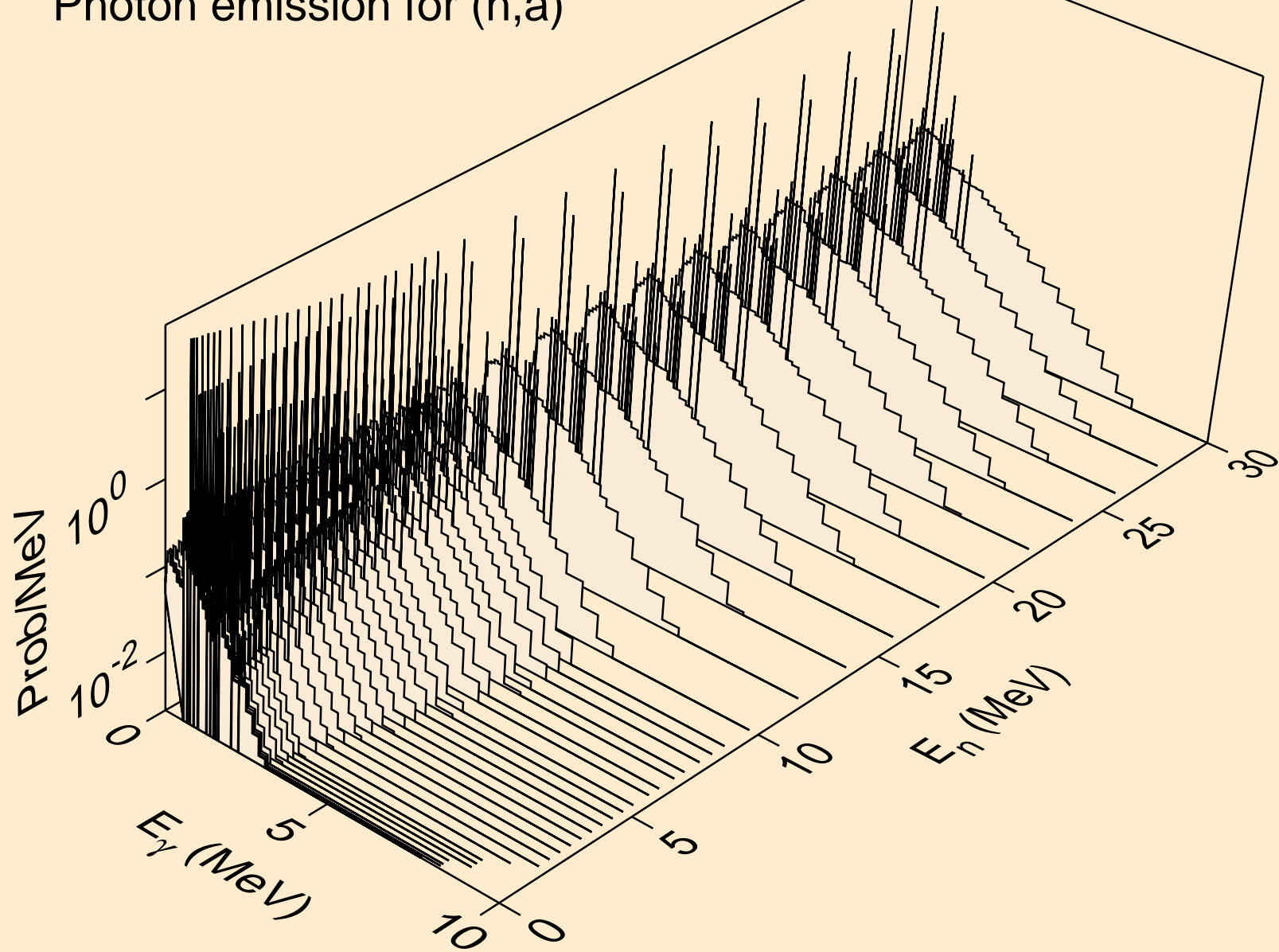
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Photon emission for (n,t)



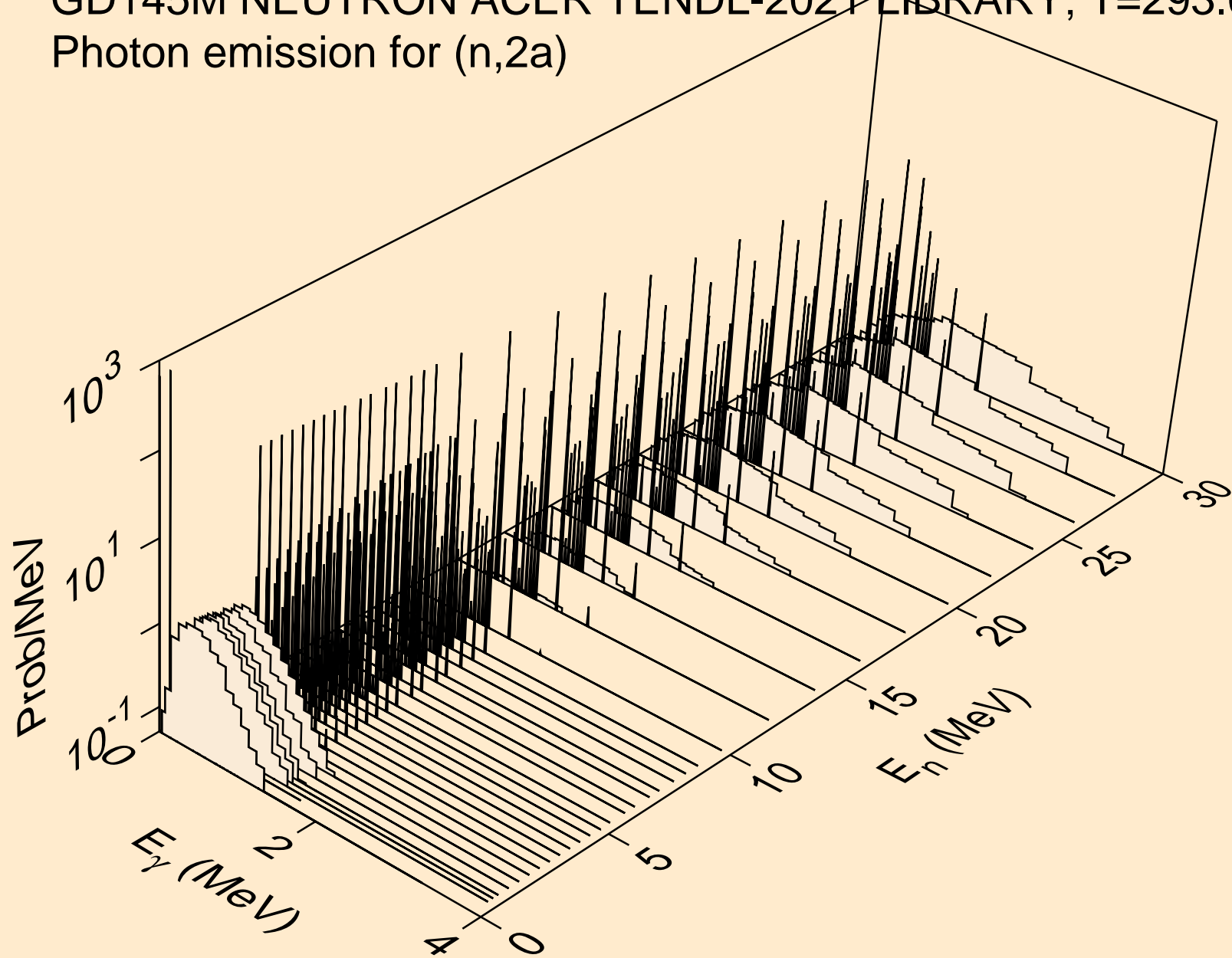
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Photon emission for (n,he3)



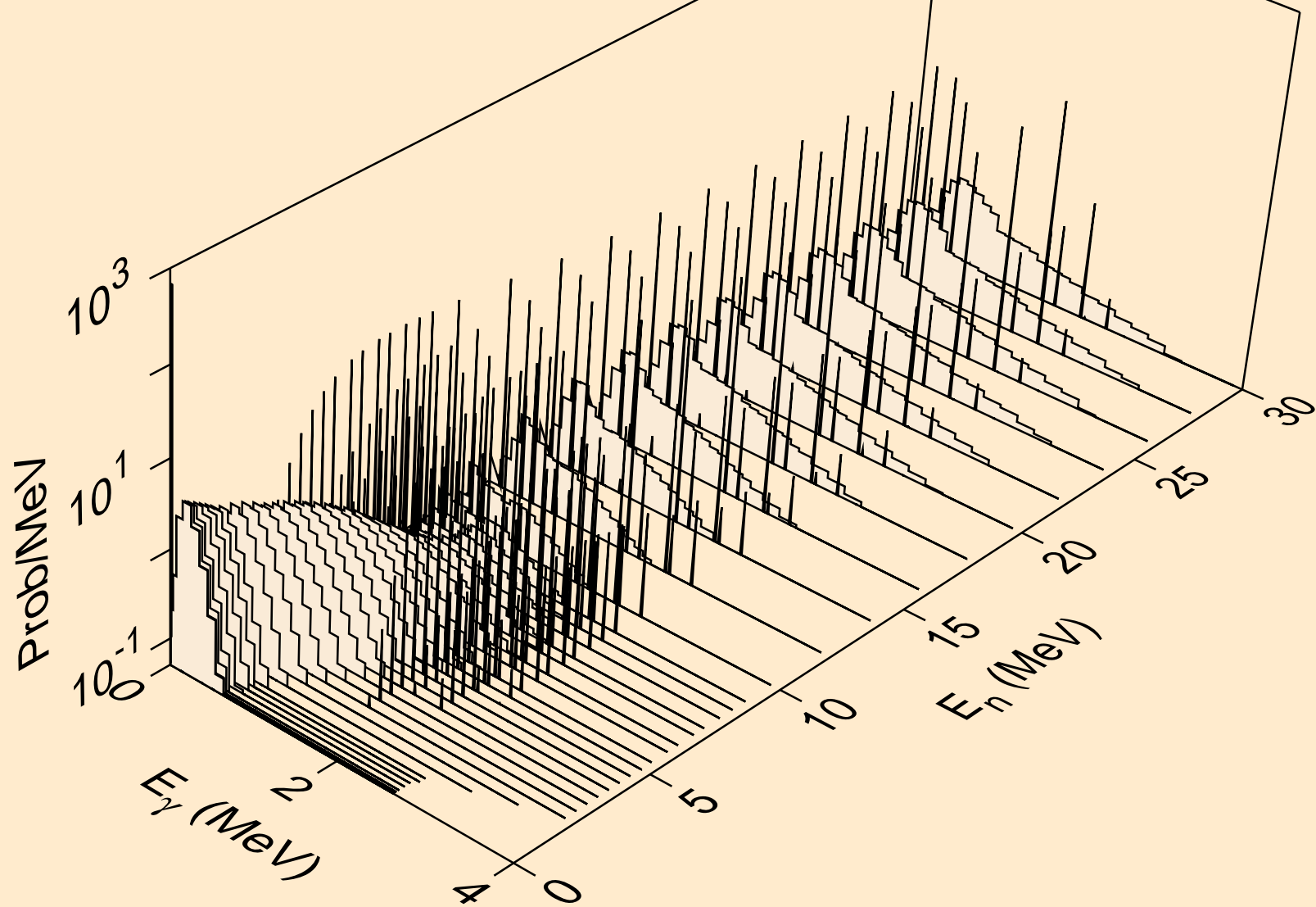
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Photon emission for (n,a)



GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2a)

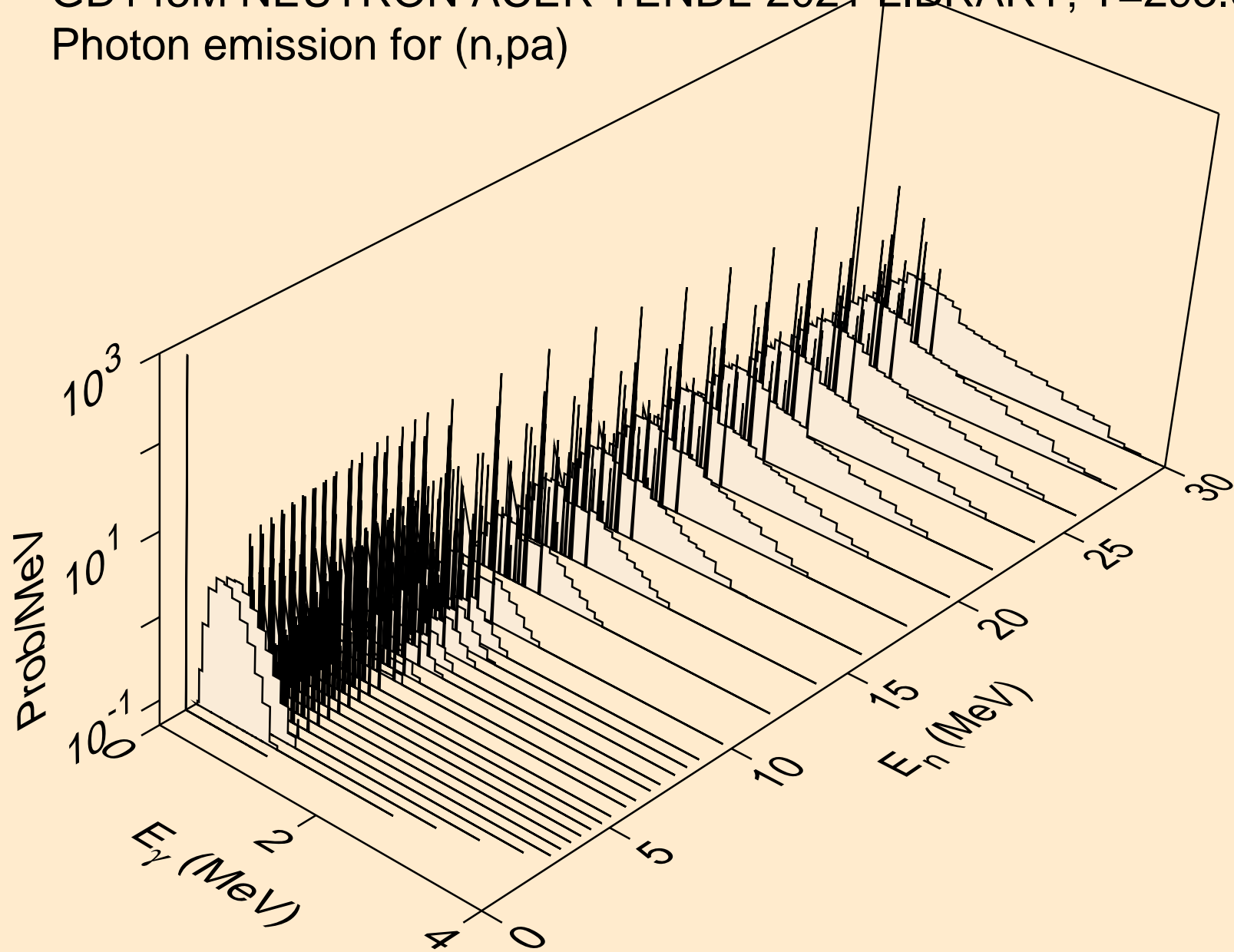


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Photon emission for (n,2p)

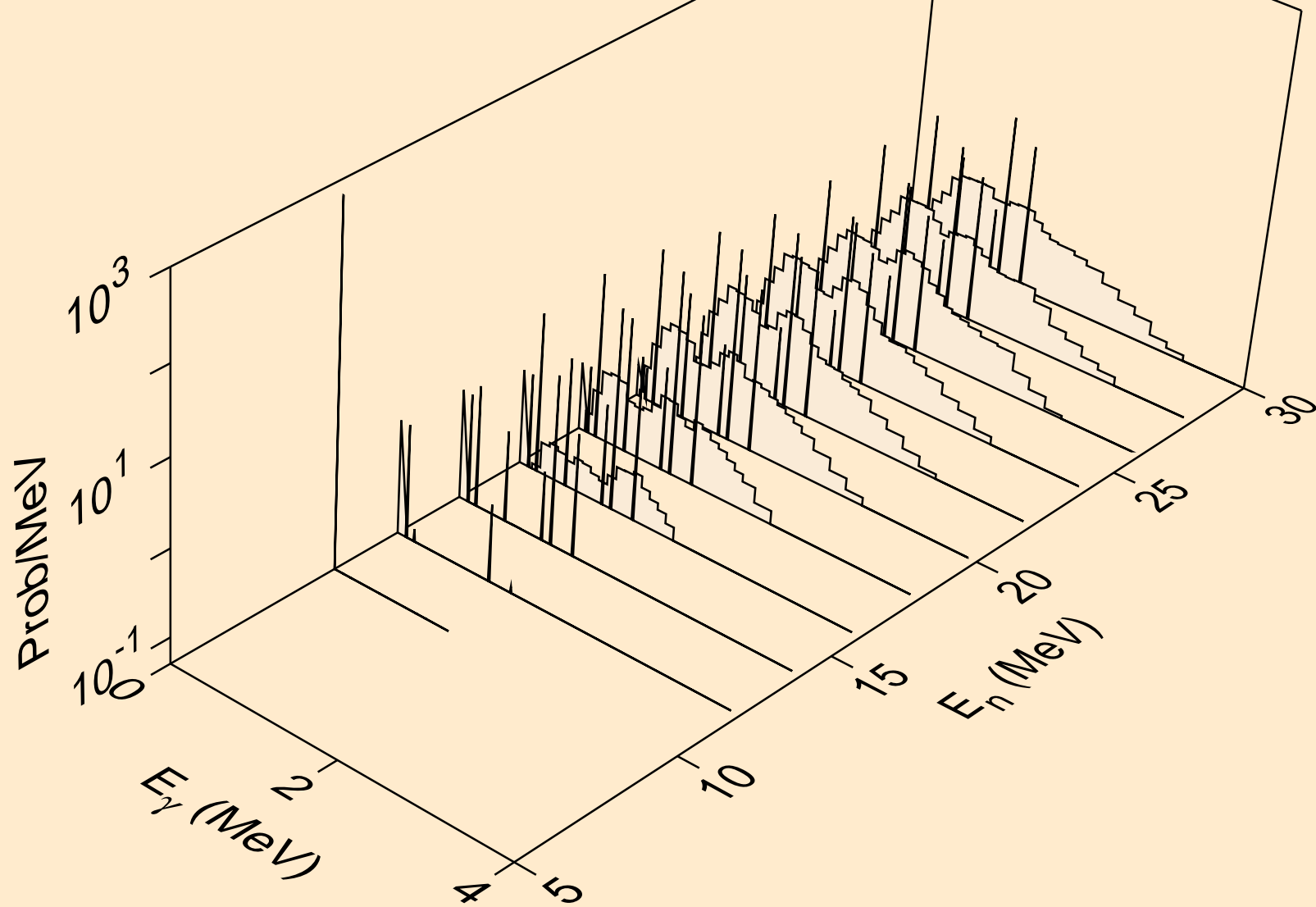




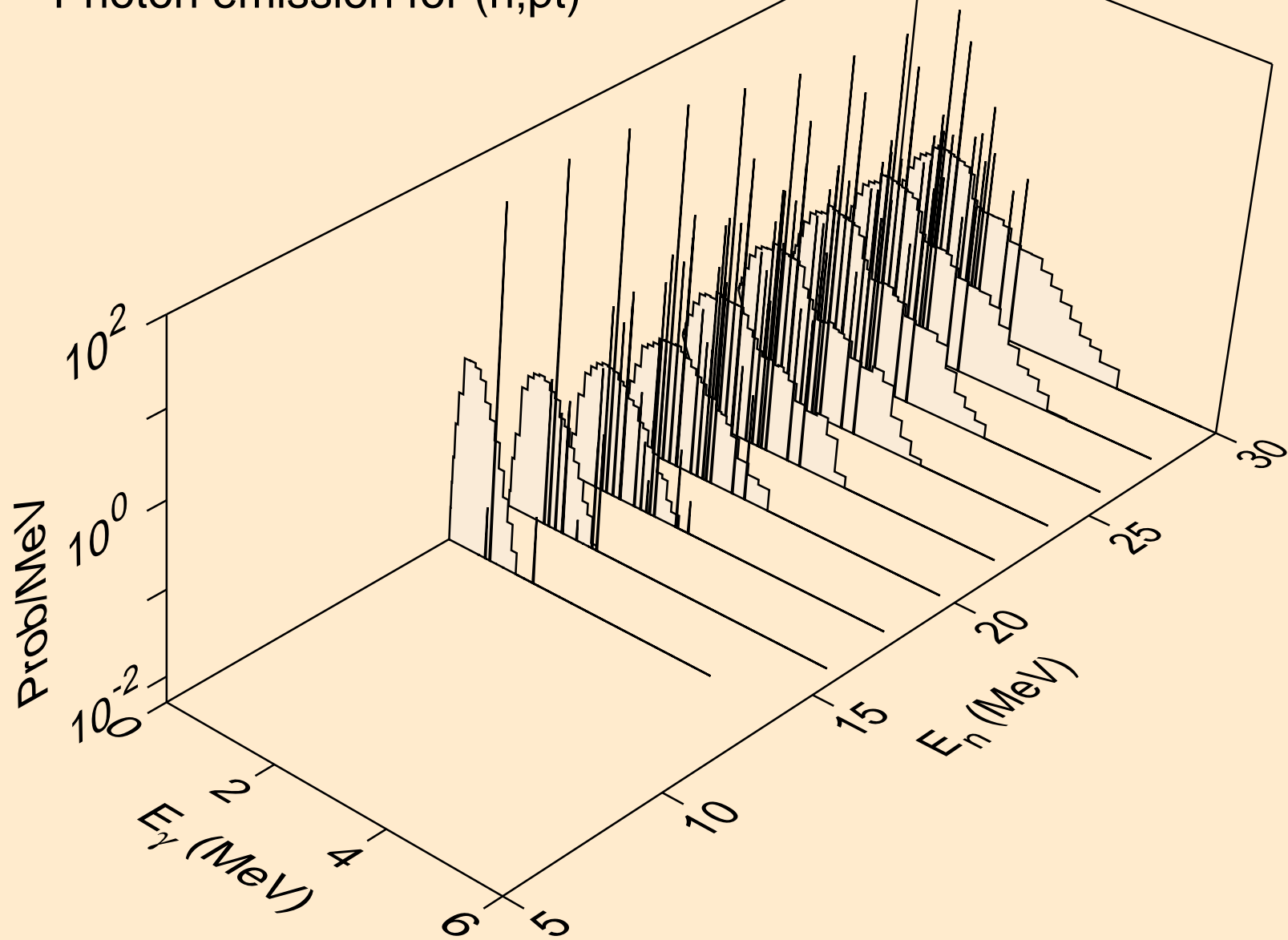
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Photon emission for (n,p)



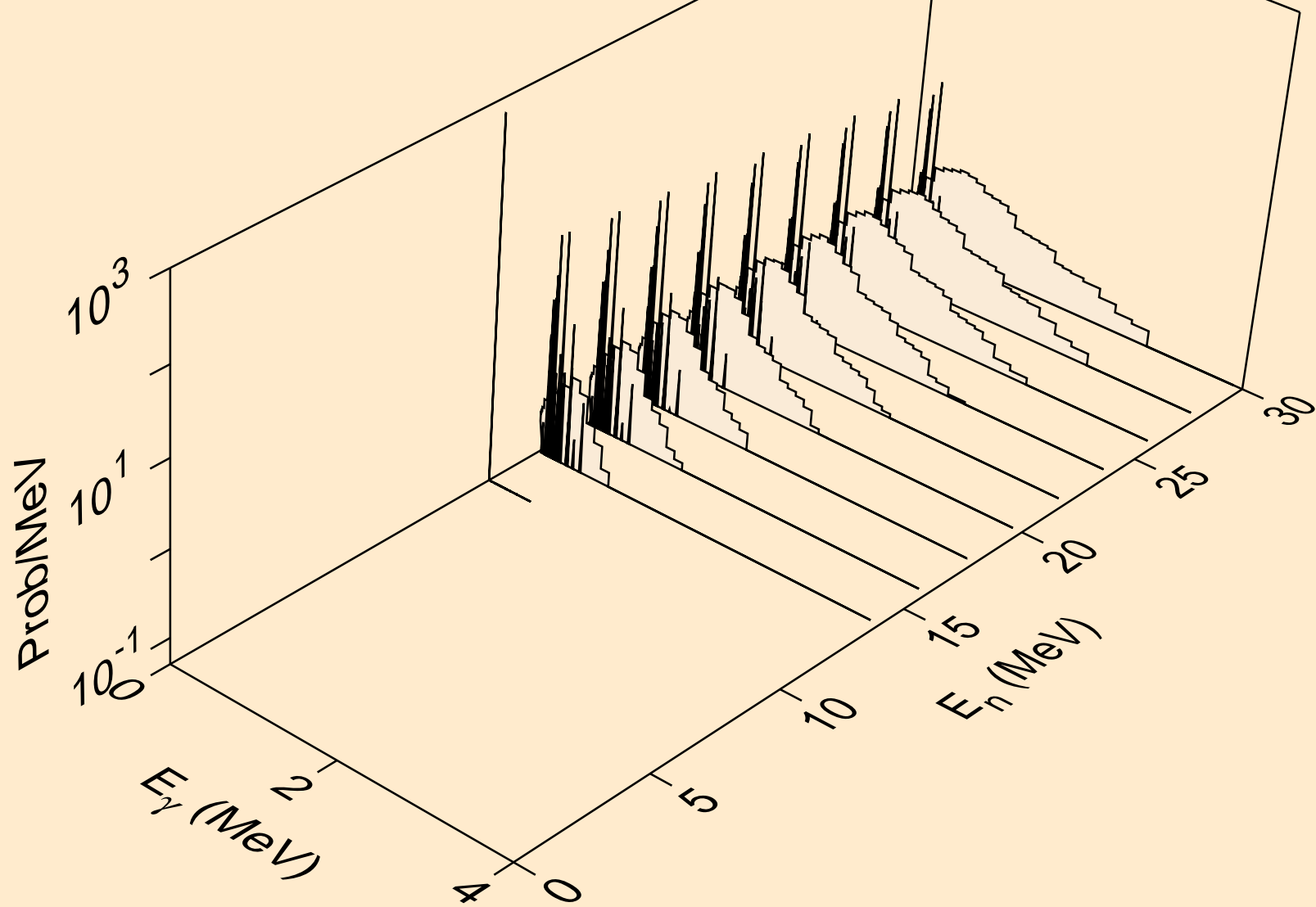
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Photon emission for (n,pd)



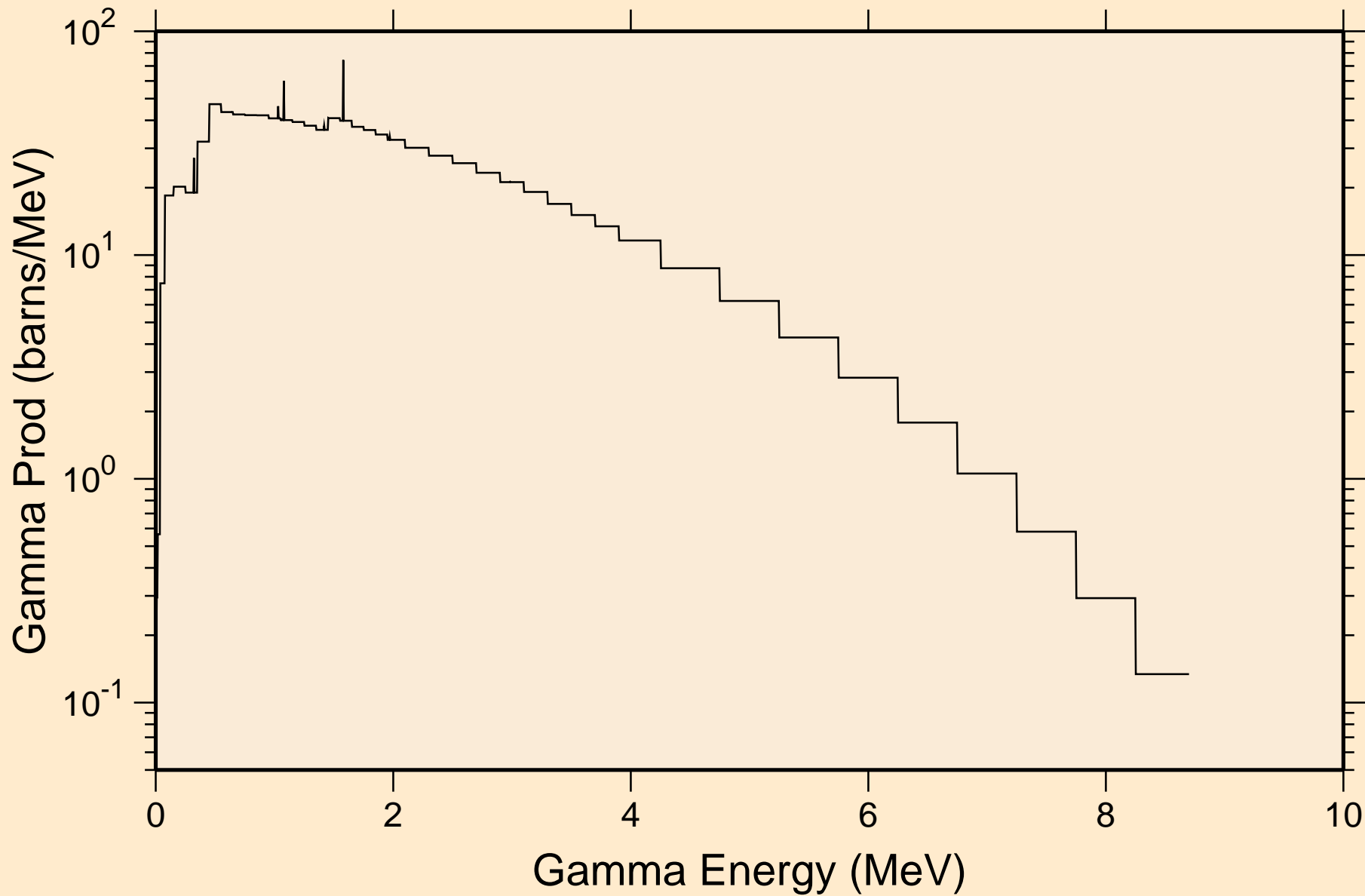
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Photon emission for (n,pt)



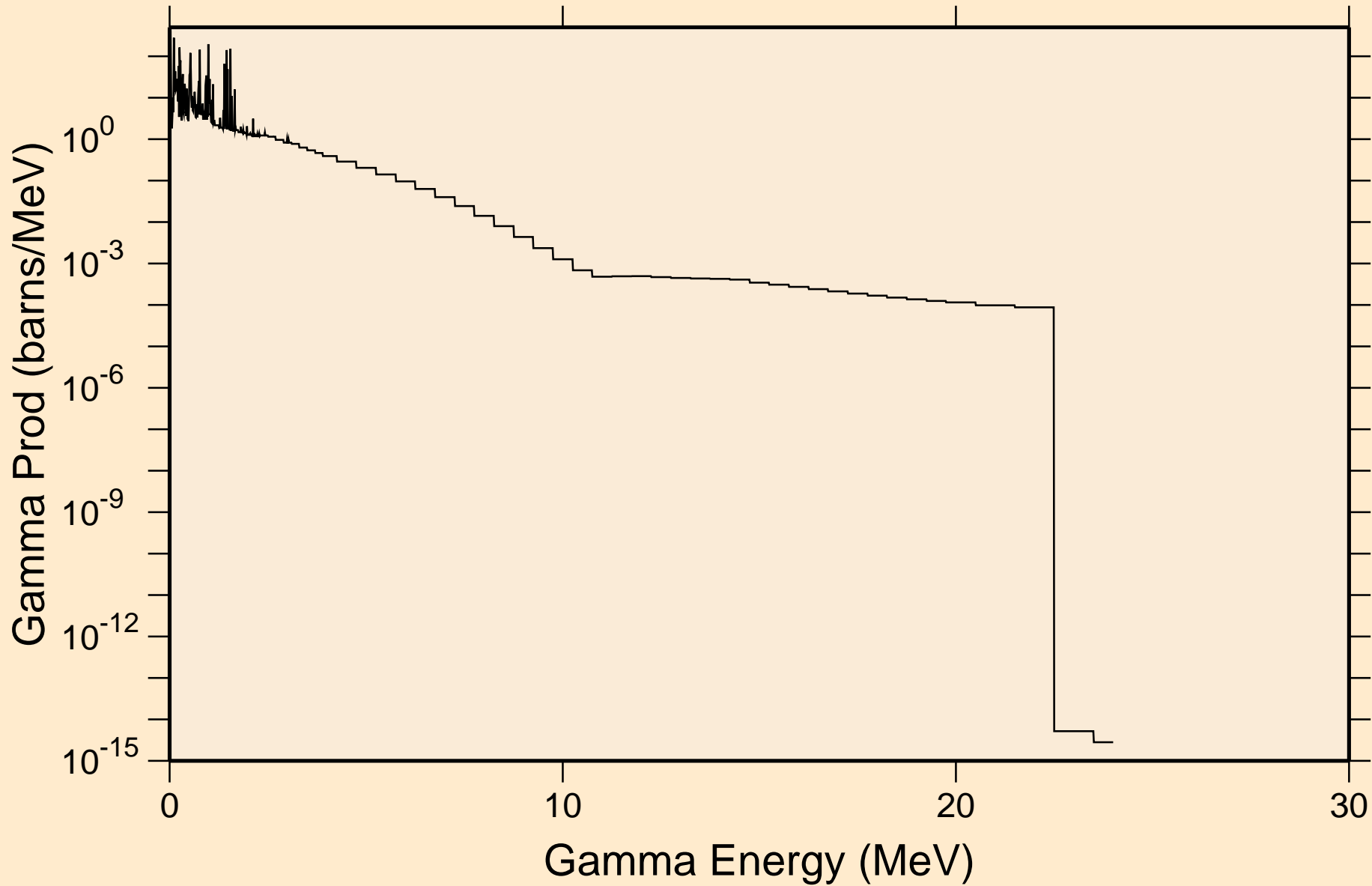
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Photon emission for (n,da)



GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
thermal capture photon spectrum

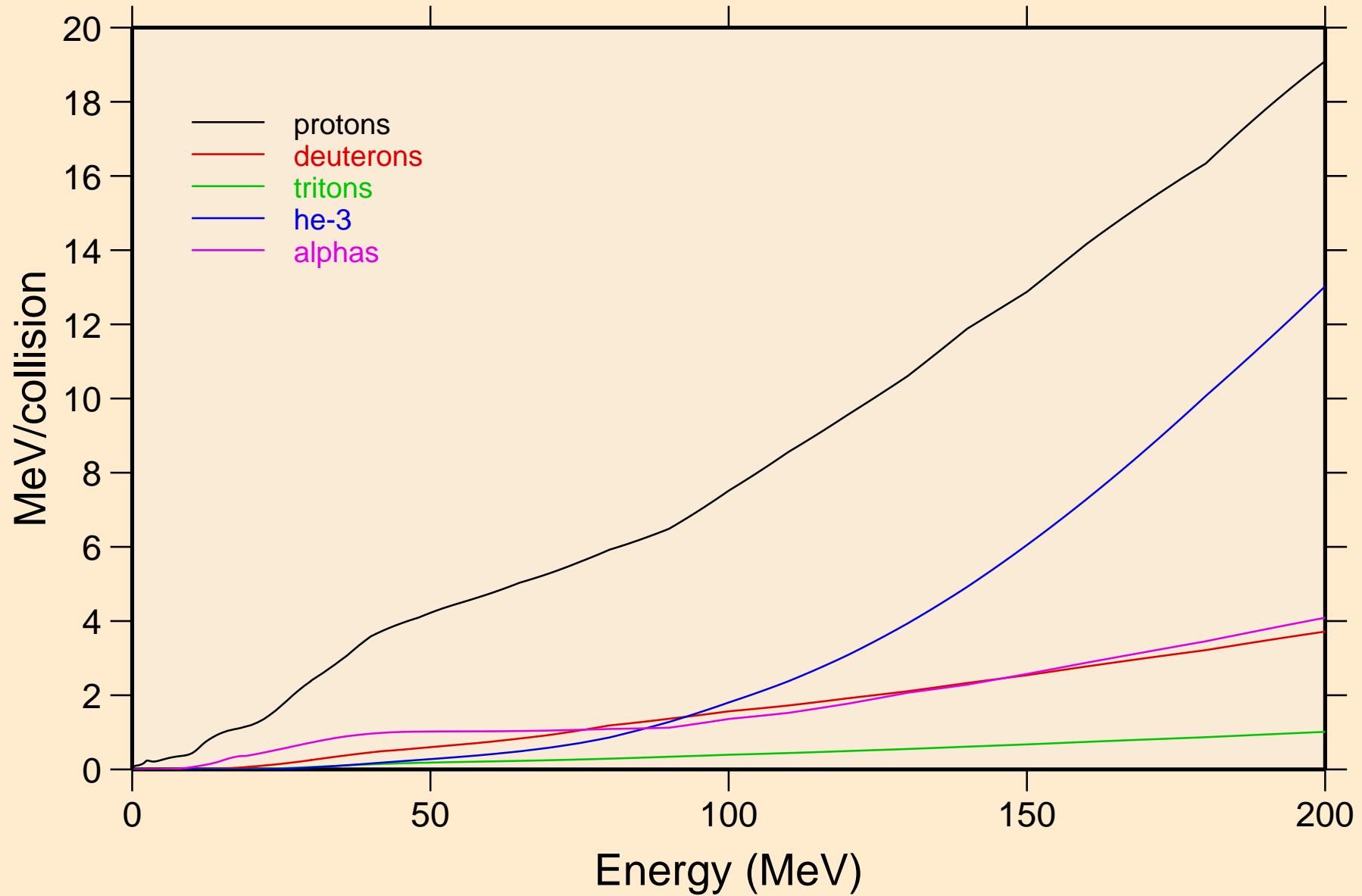


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14 MeV photon spectrum

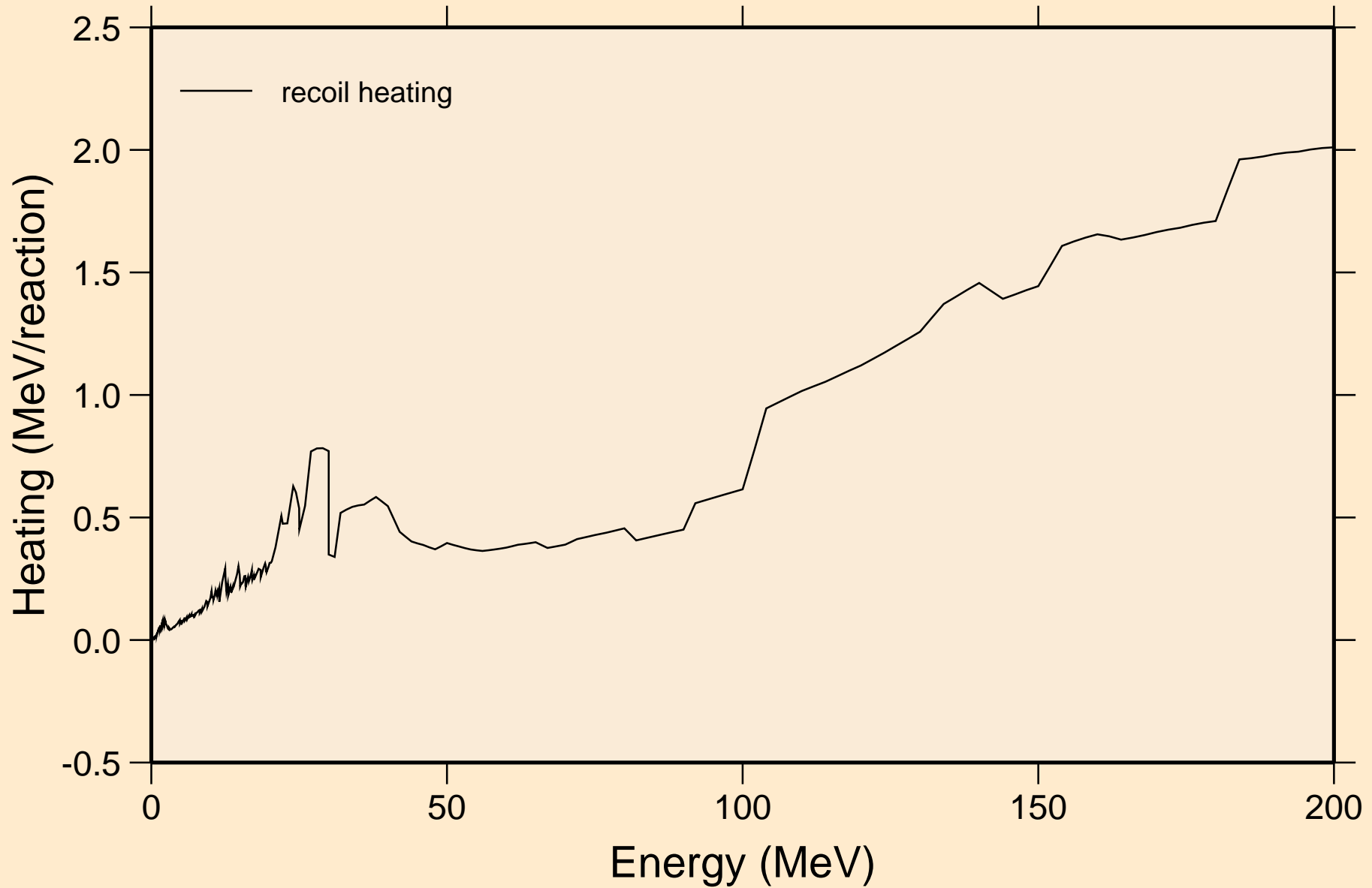


# GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Particle heating contributions

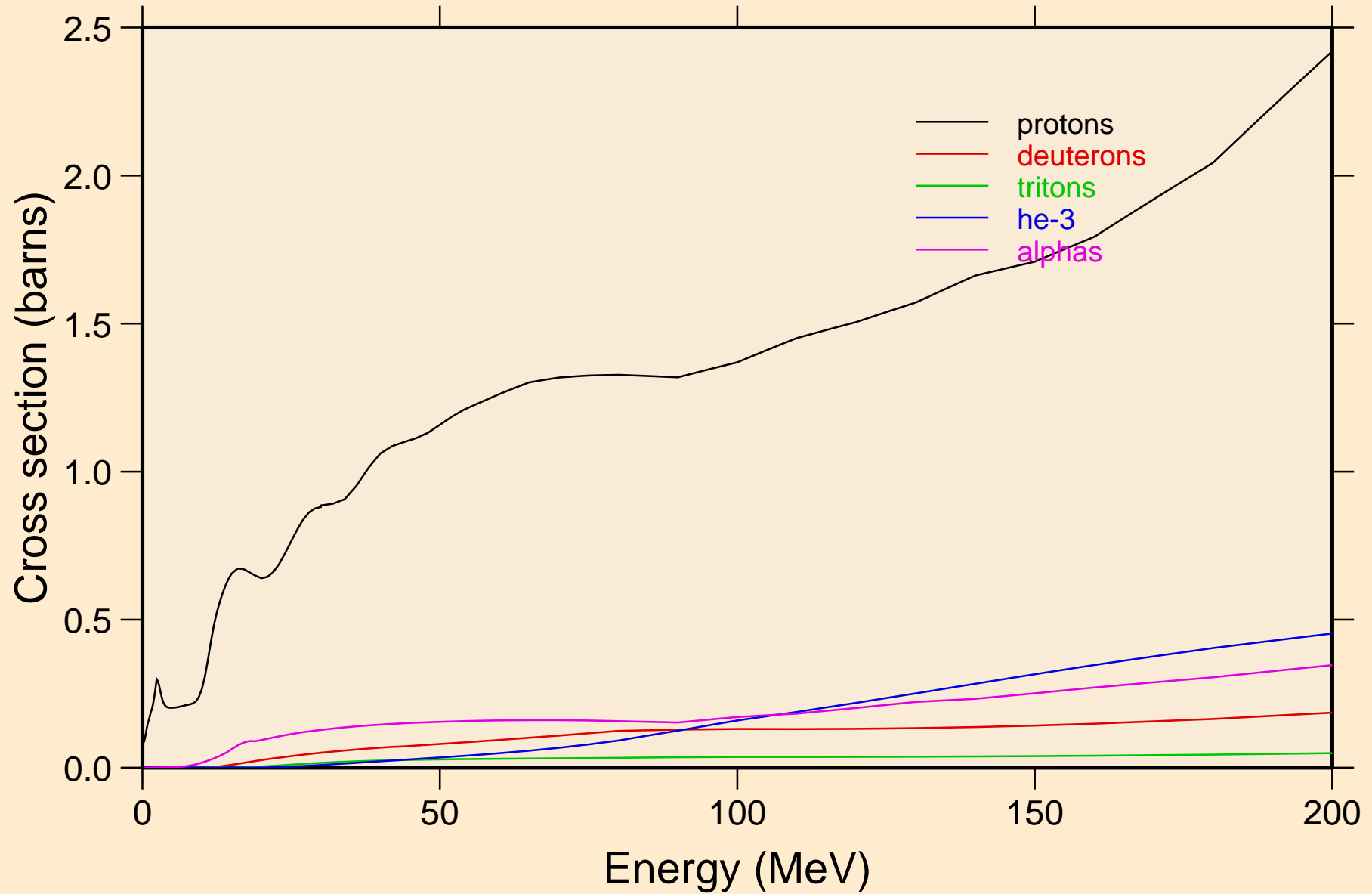


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Recoil Heating

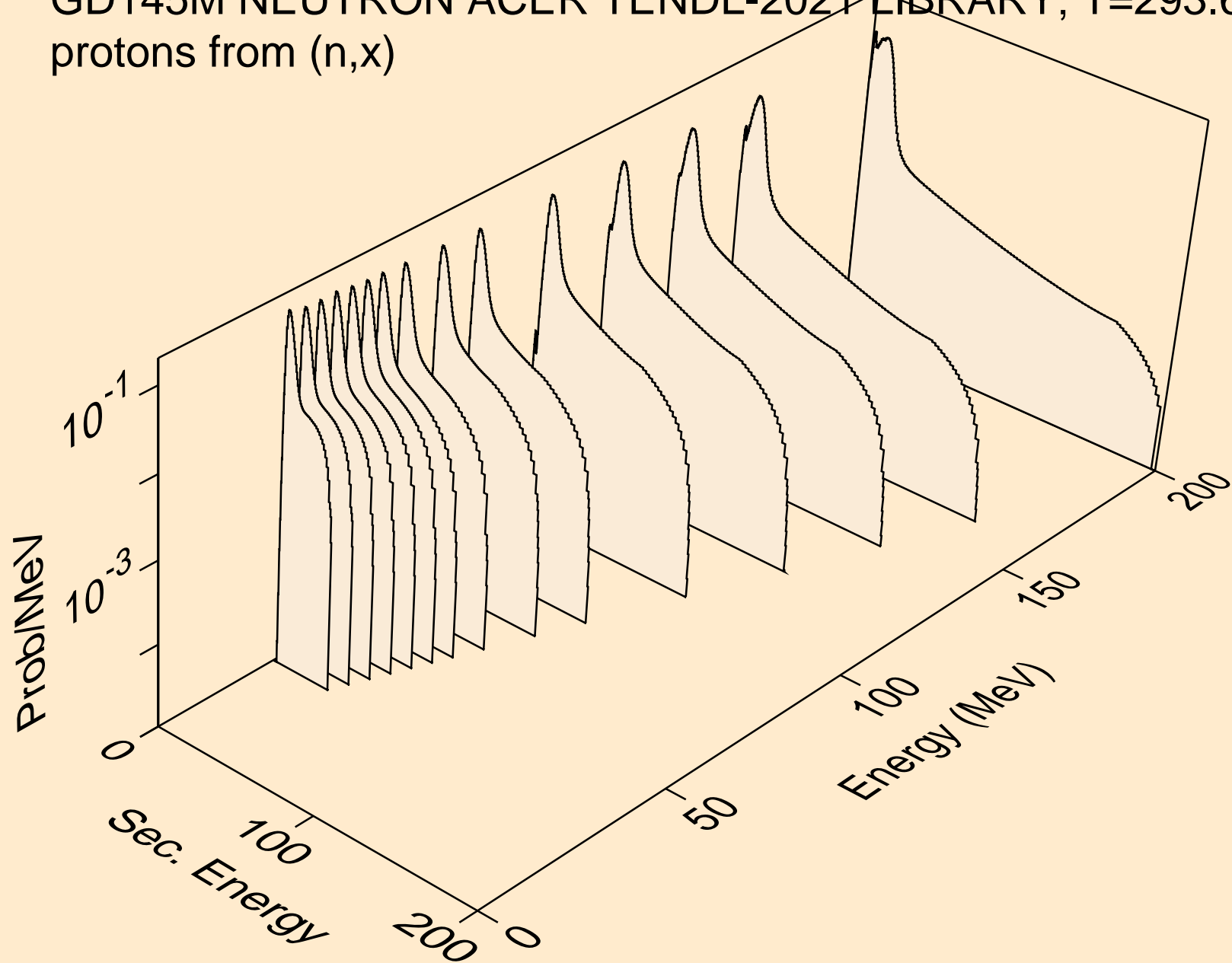




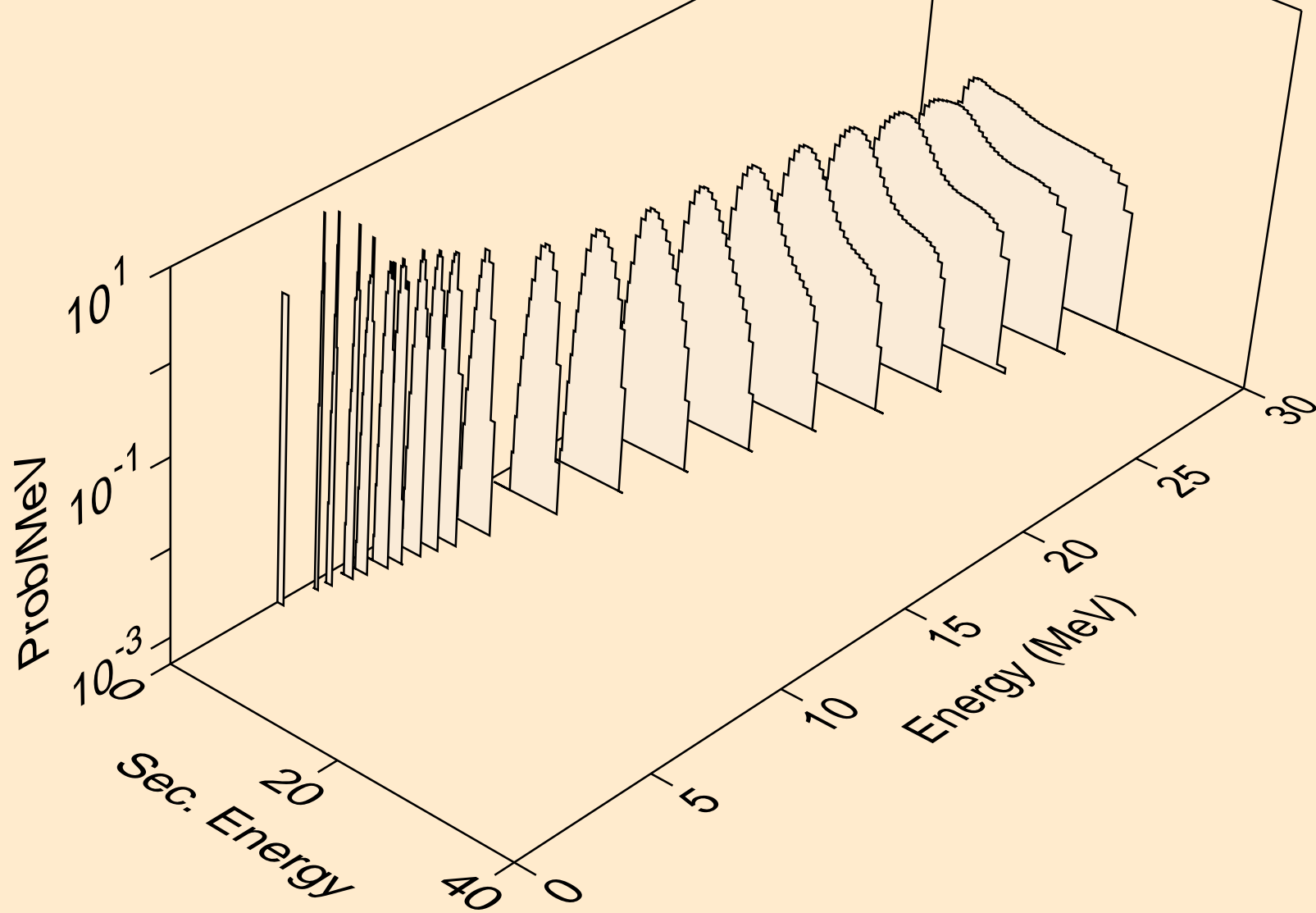
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Particle production cross sections



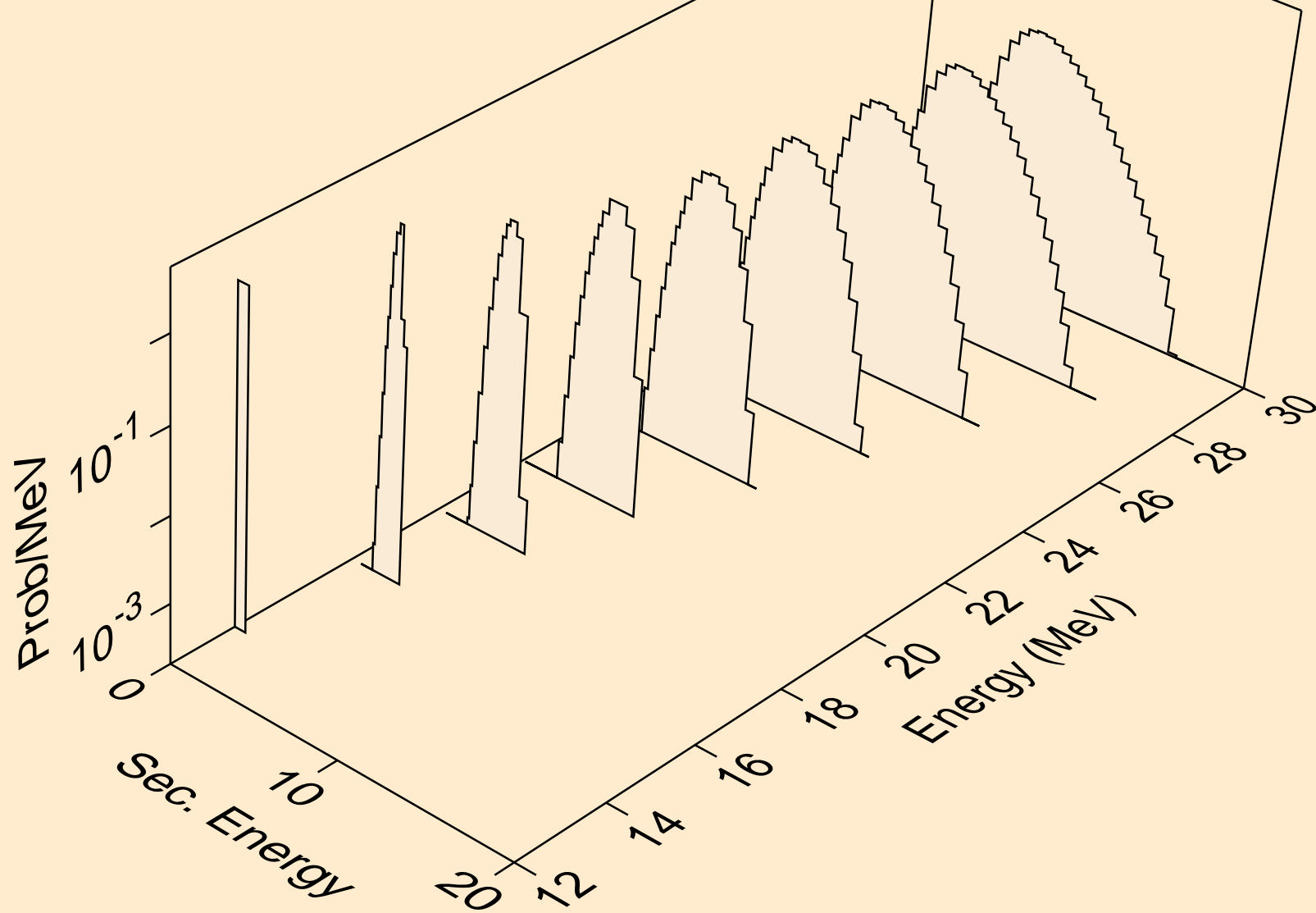
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protons from (n,x)



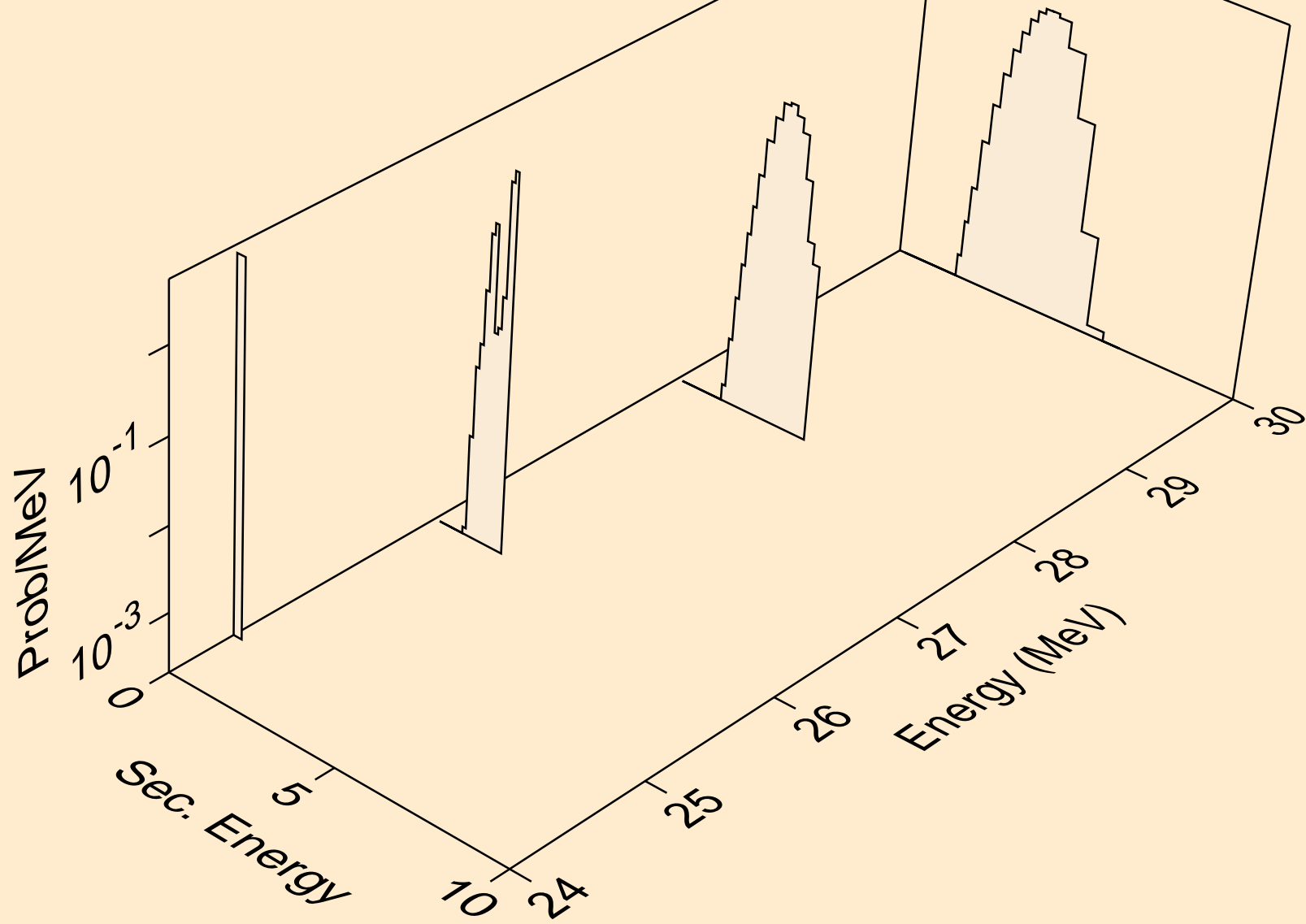
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protons from (n,n\*)p



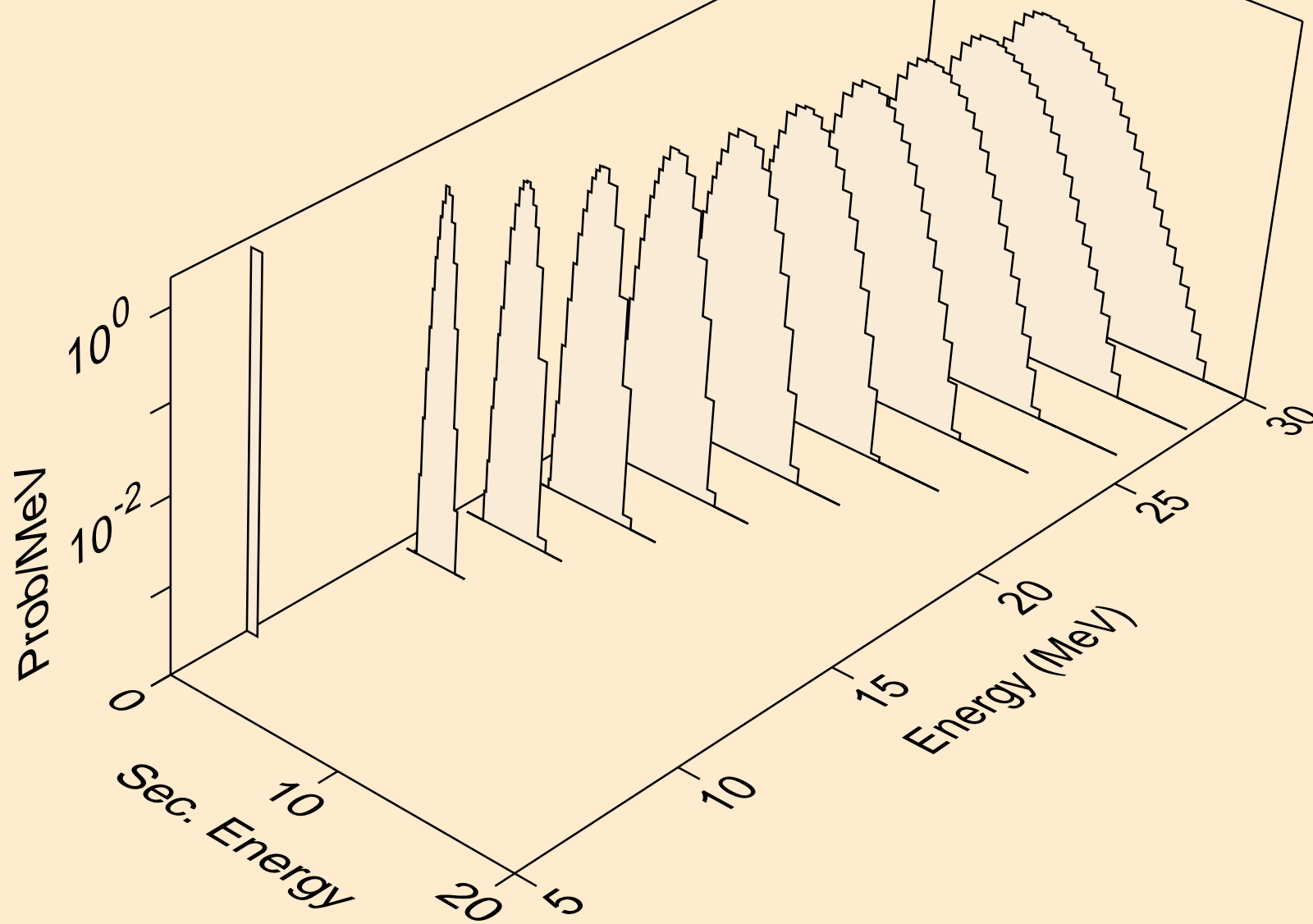
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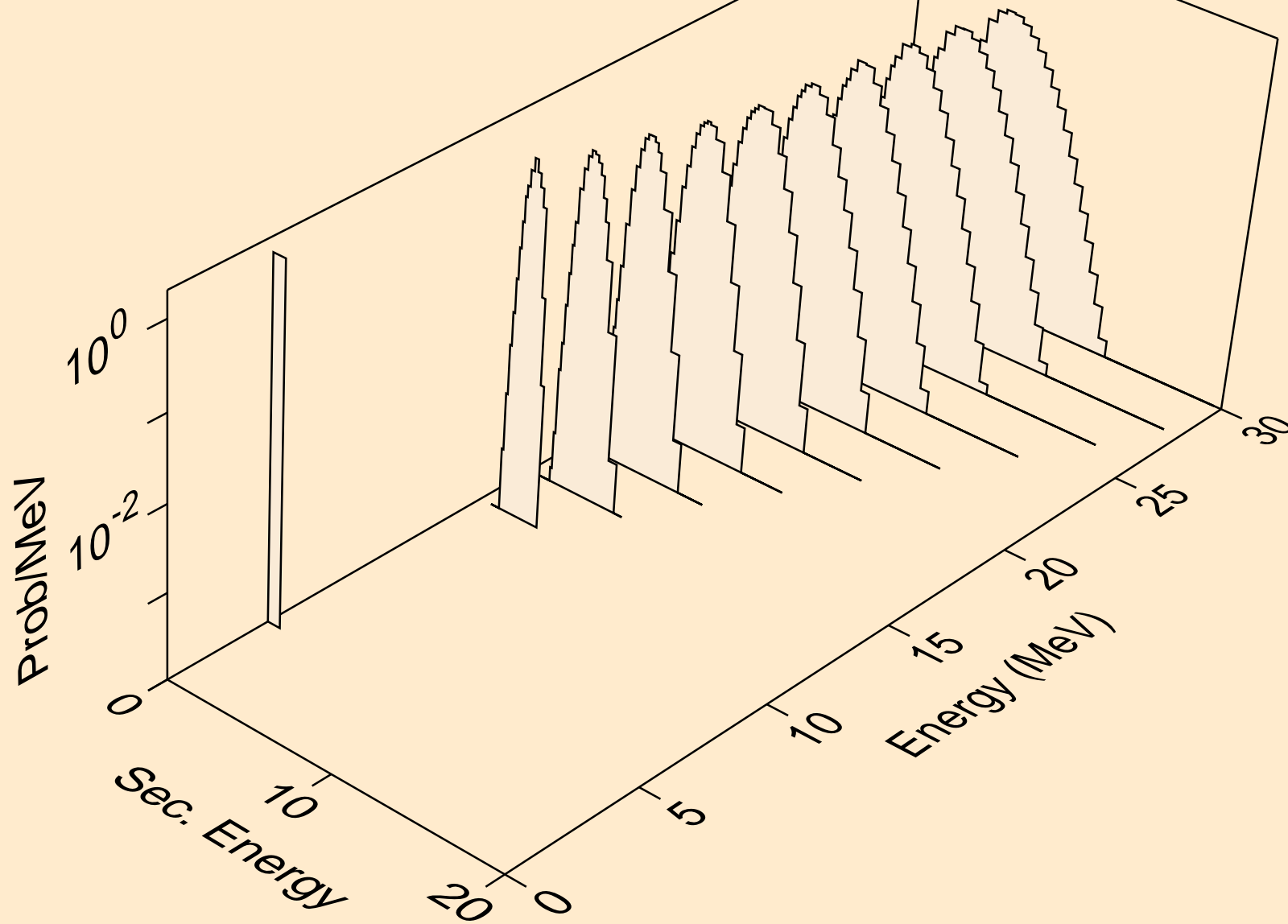
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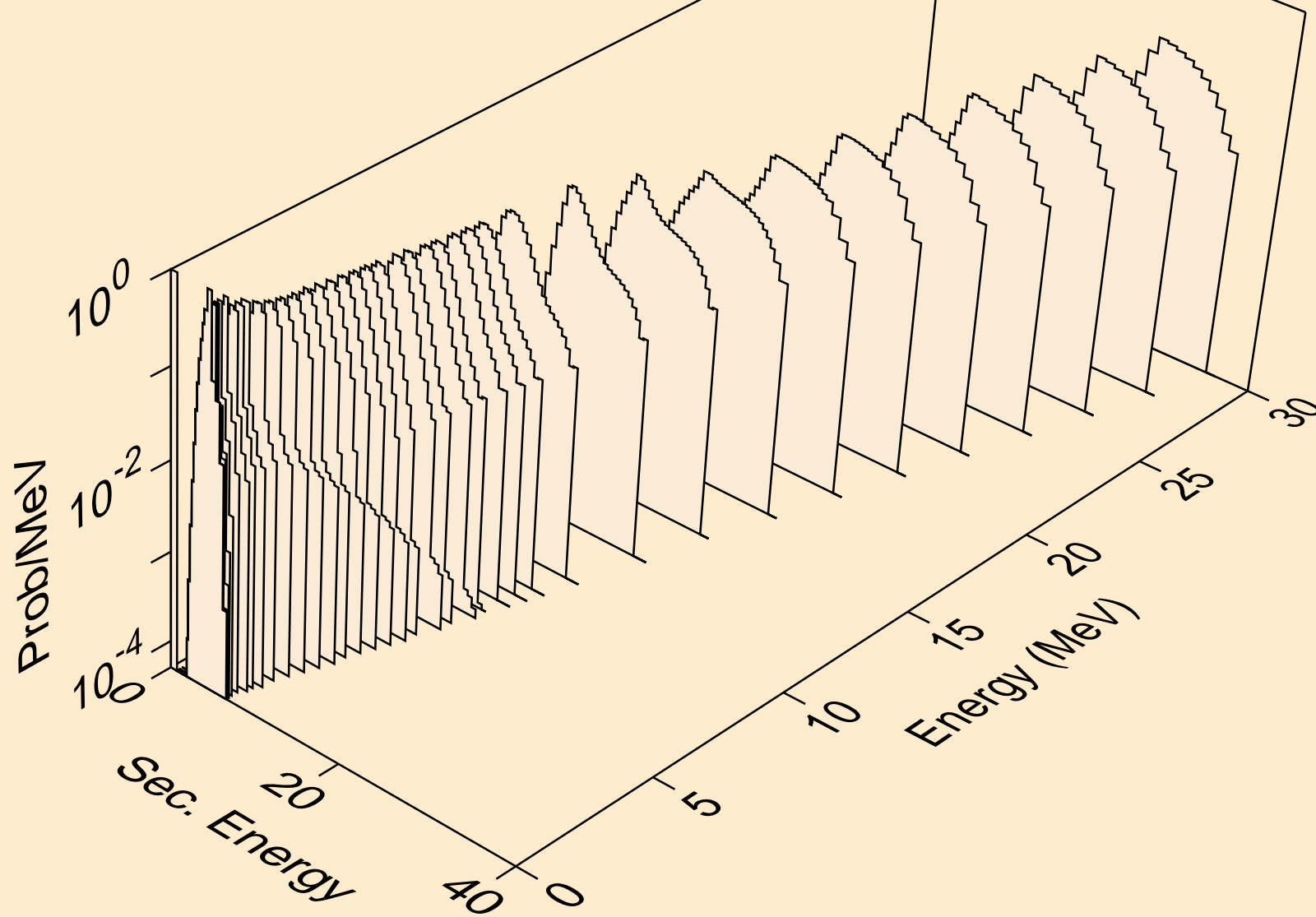
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protons from (n,2np)



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protons from (n,npa)

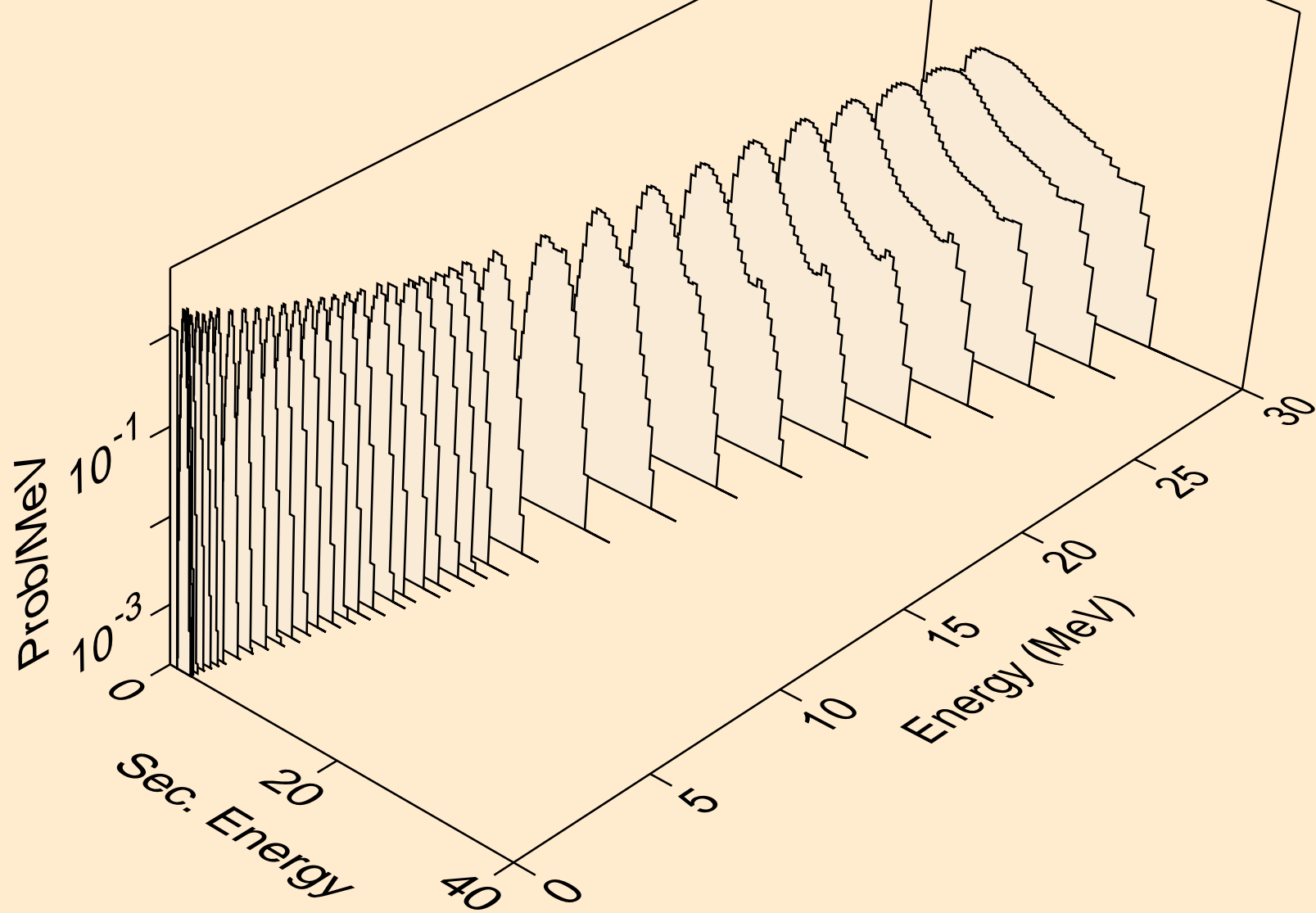


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protons from (n,p)

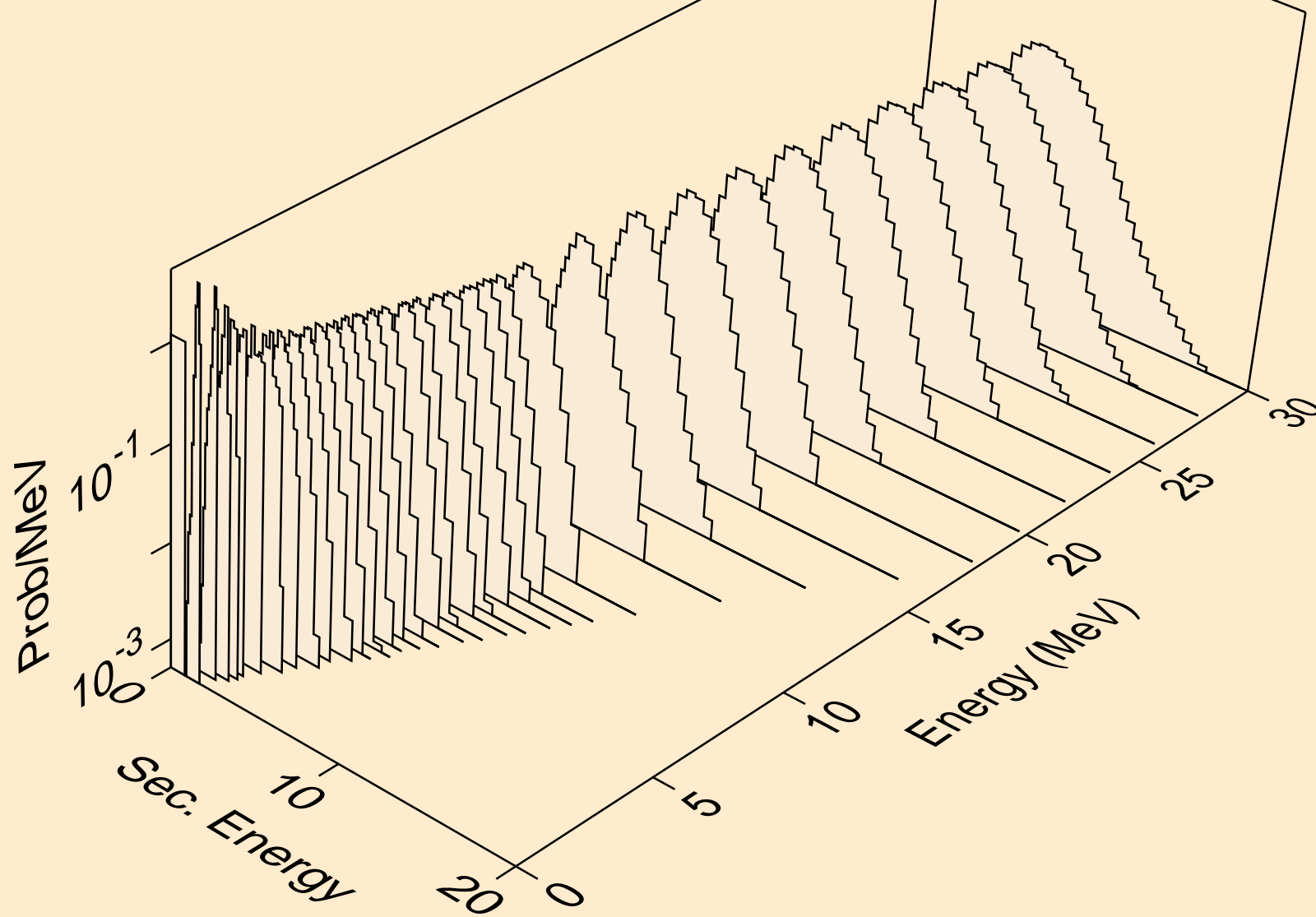




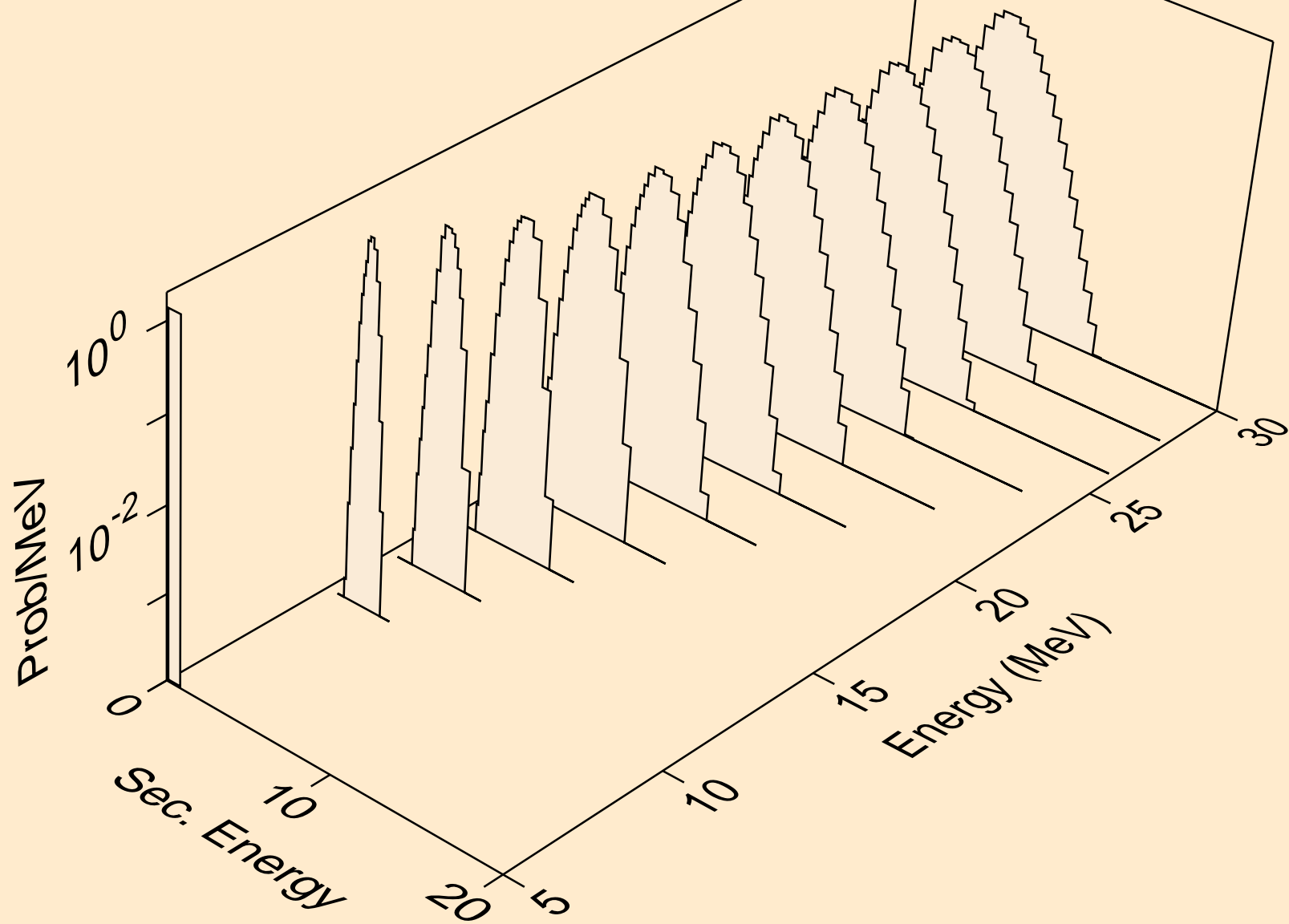
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protons from (n,2p)



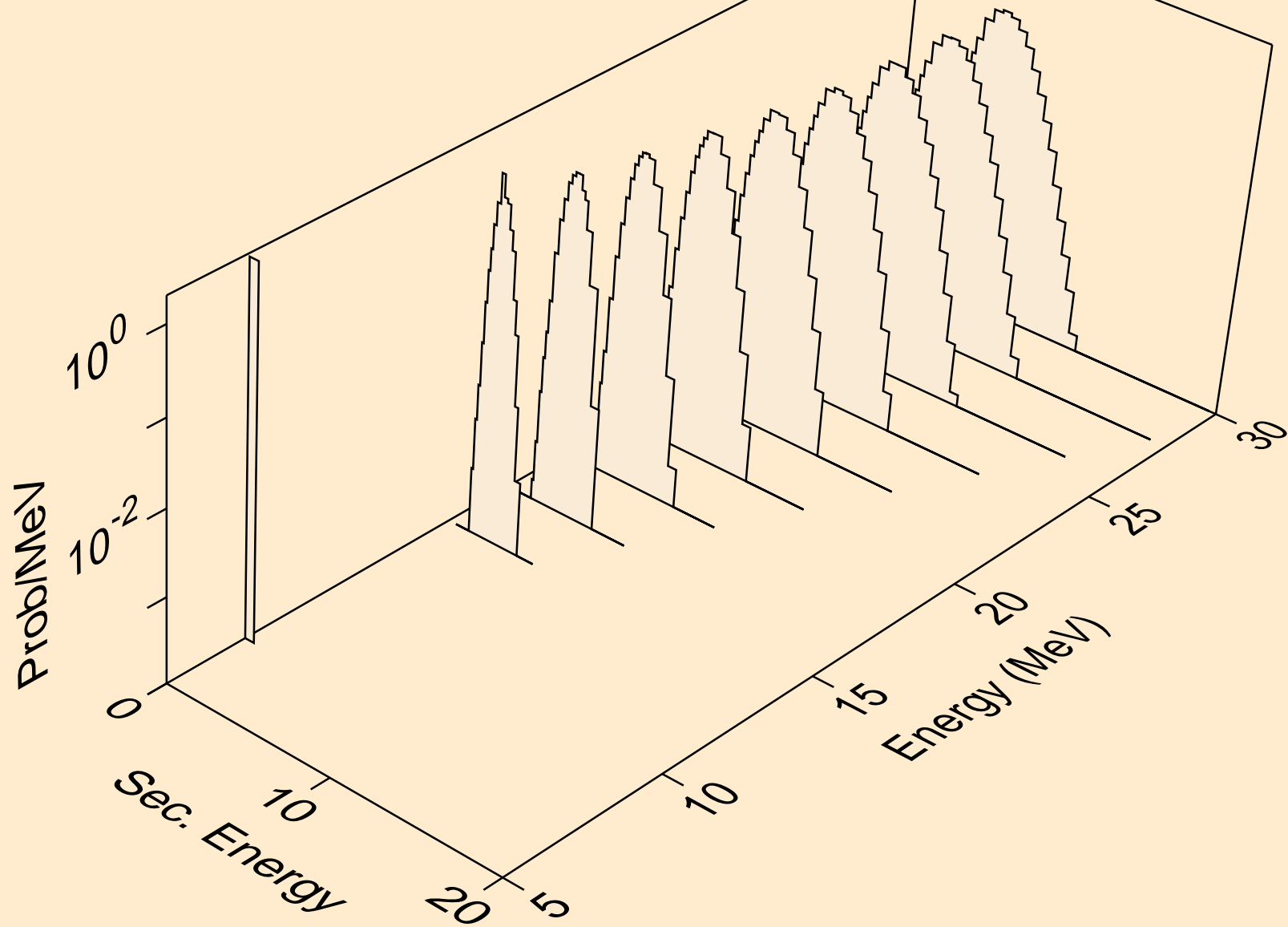
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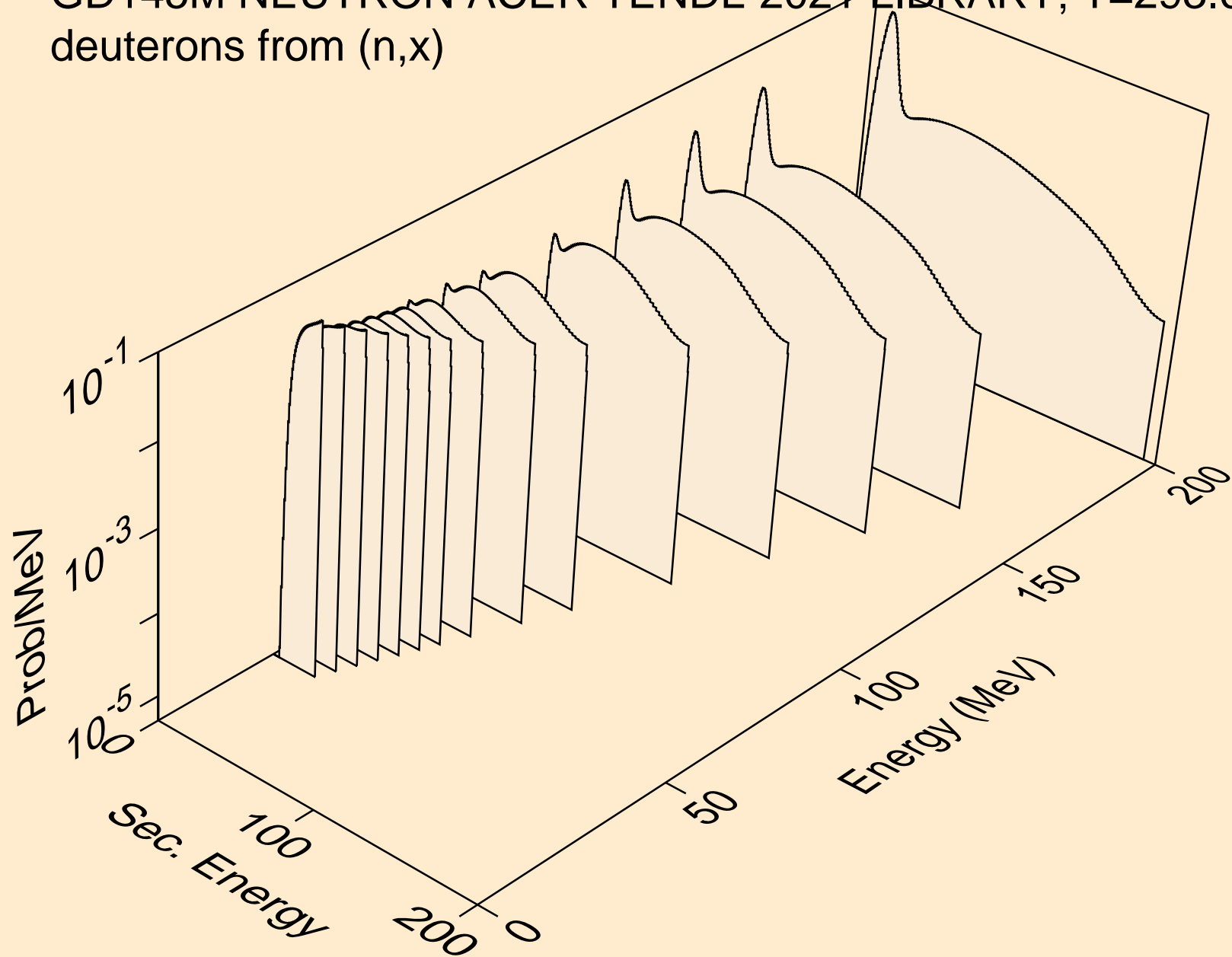
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protons from (n,pd)



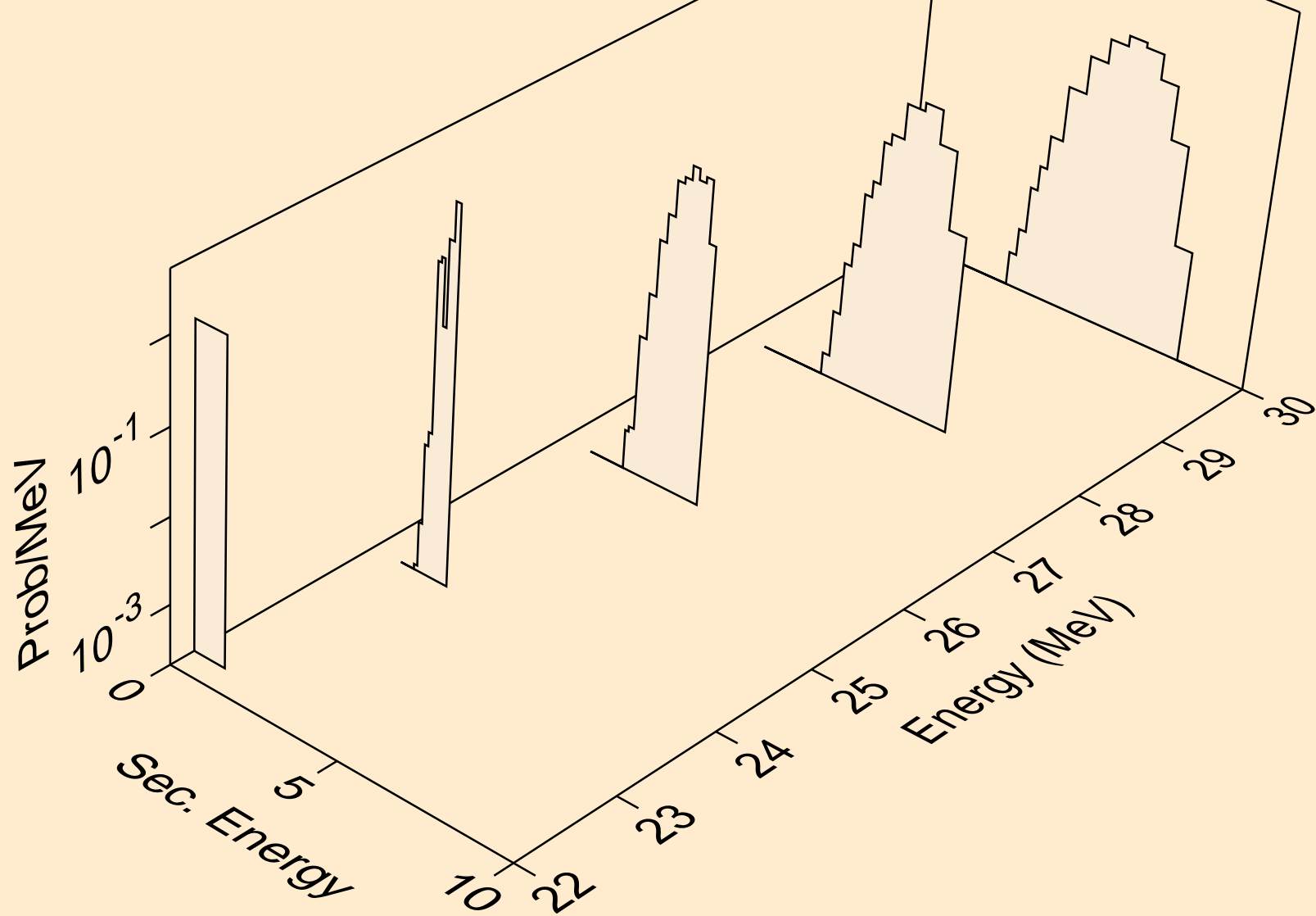
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protons from (n,pt)



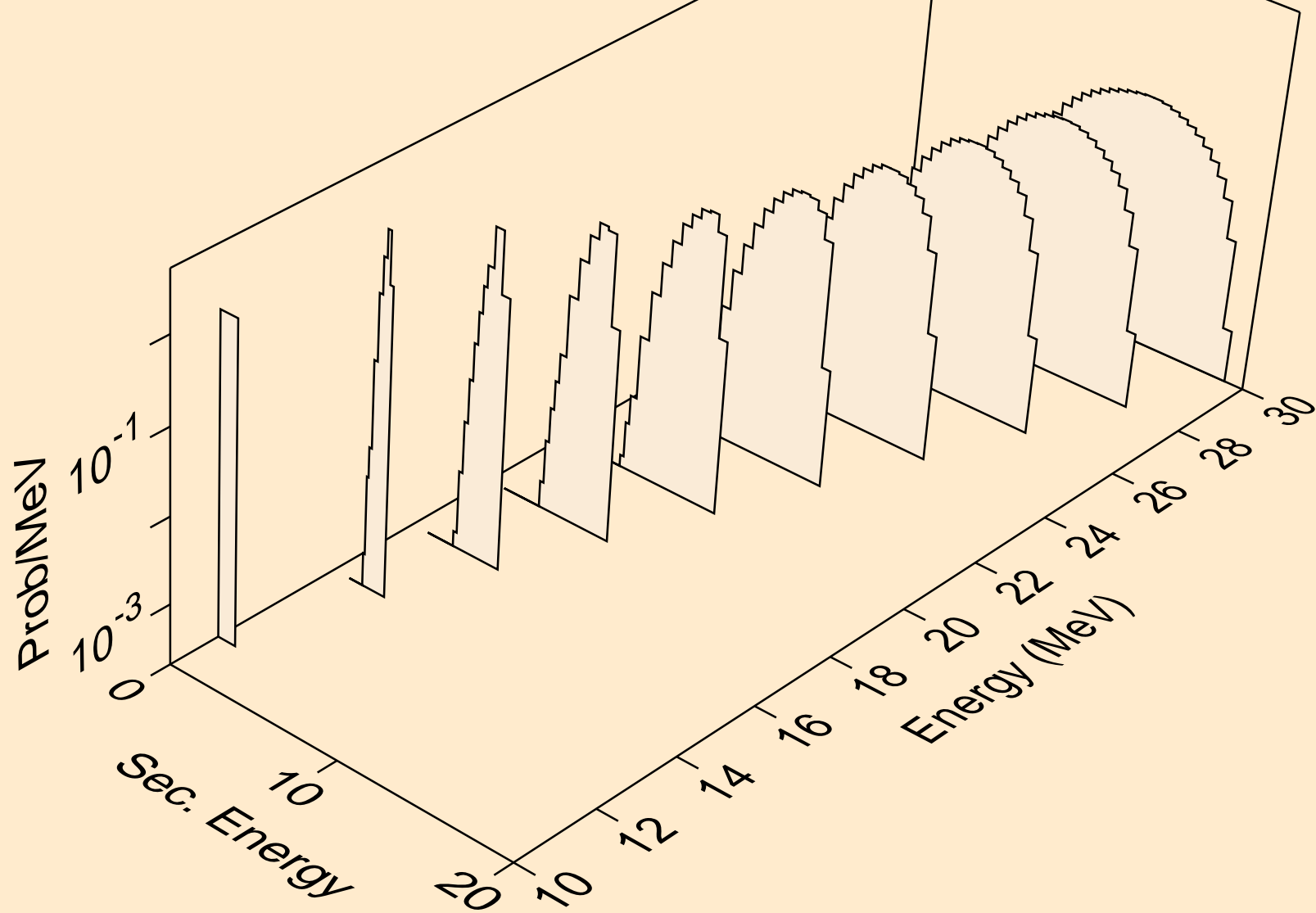
GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,x)



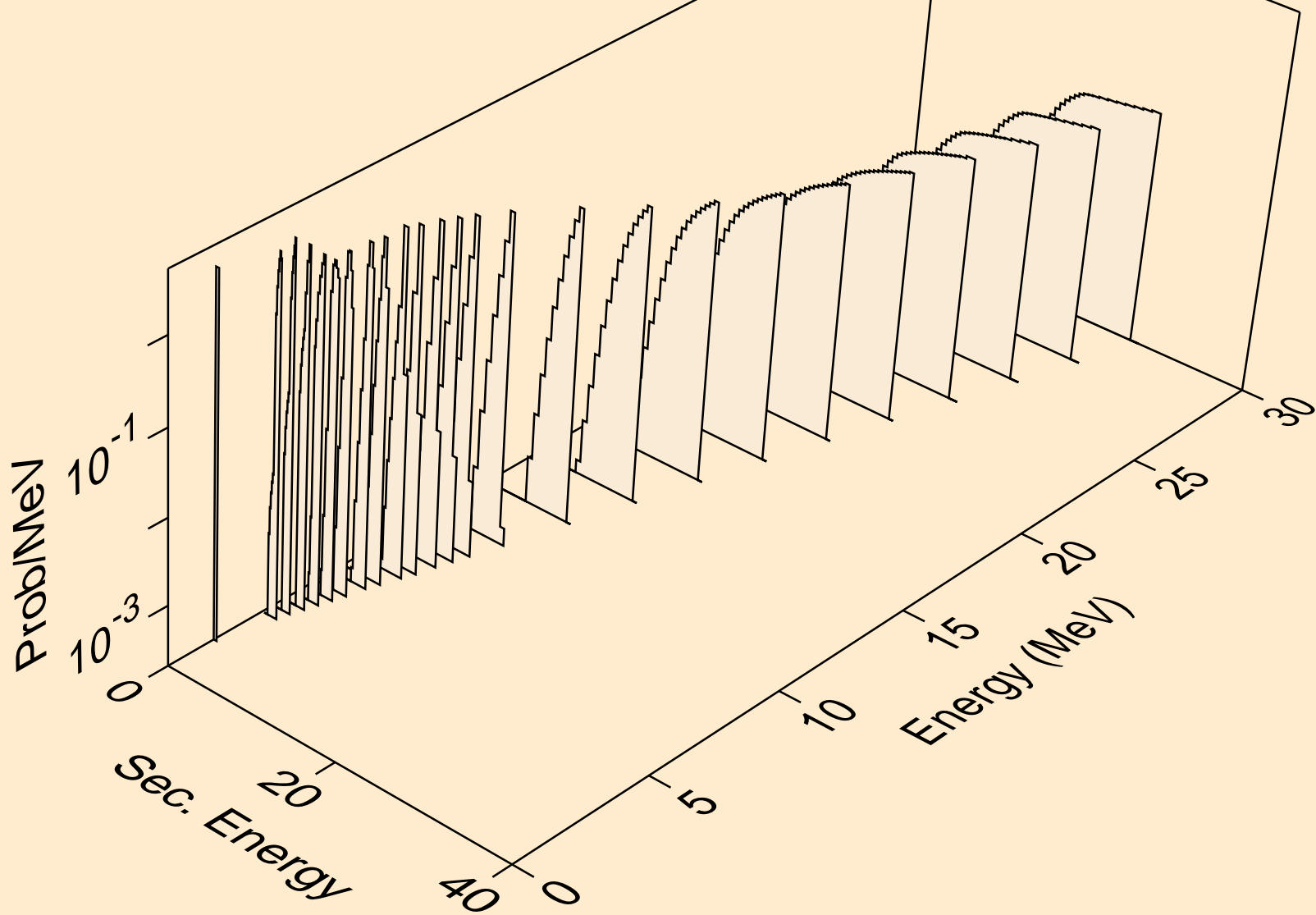
GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,2nd)



GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,n\*)d

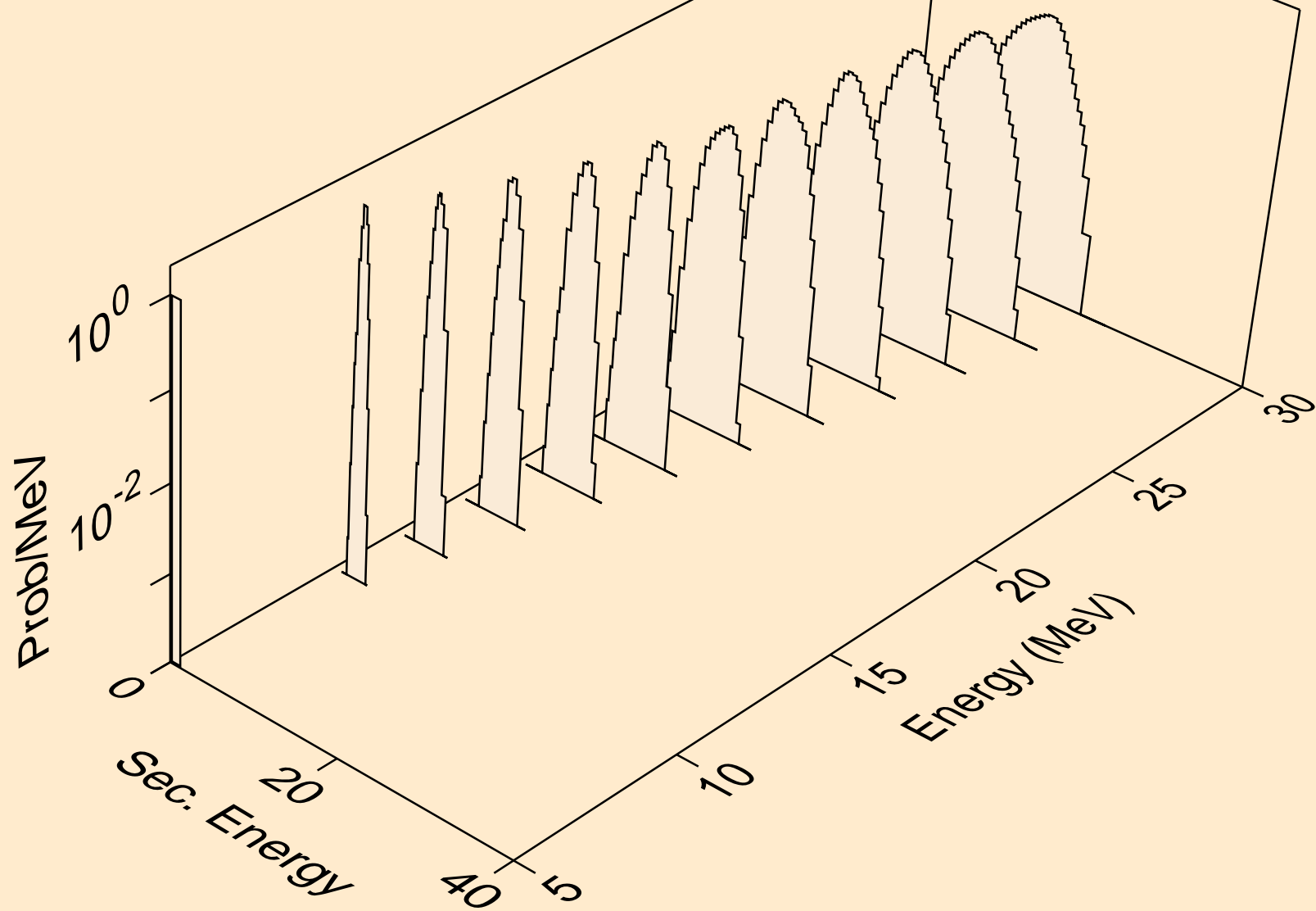


GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,d)

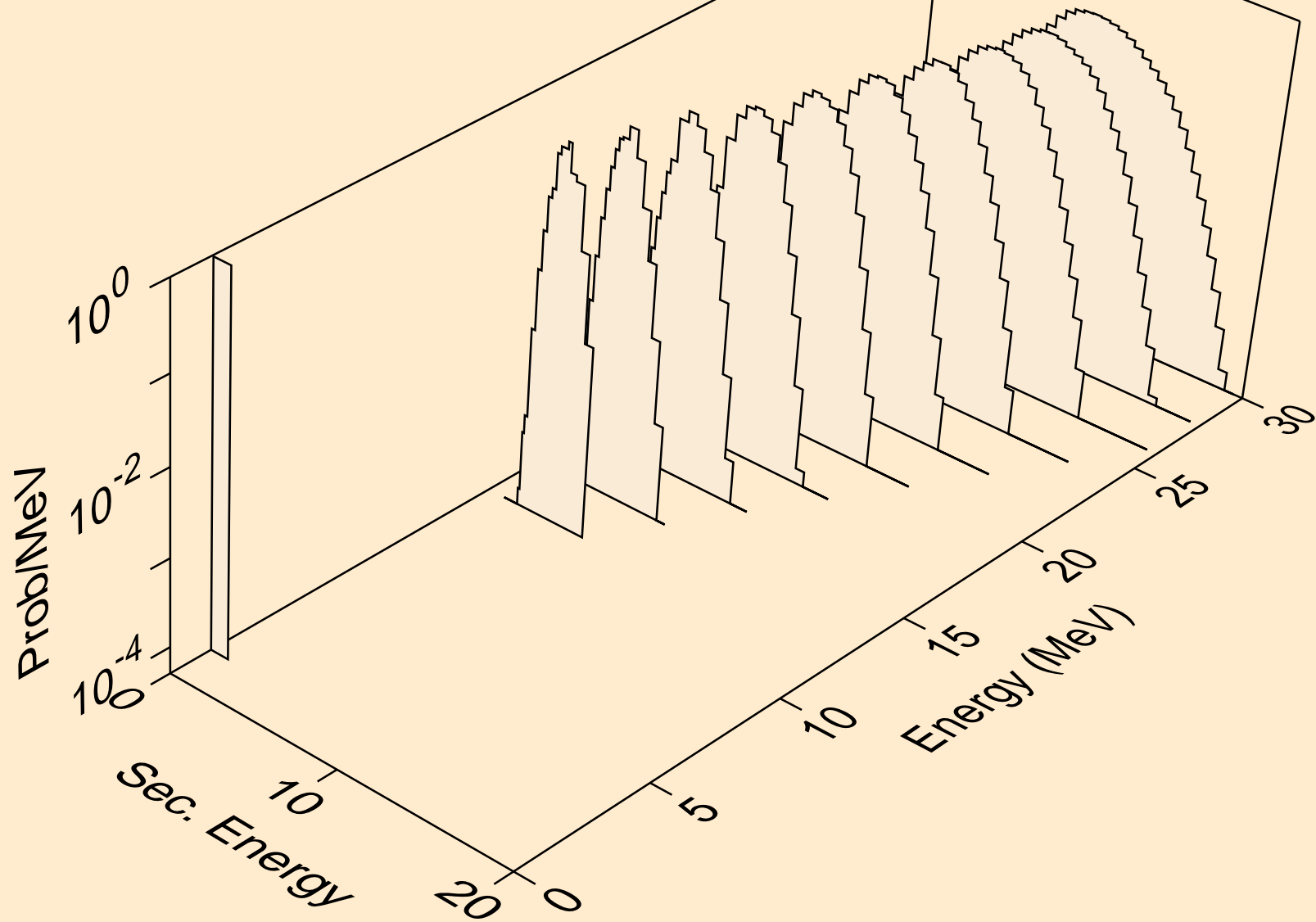




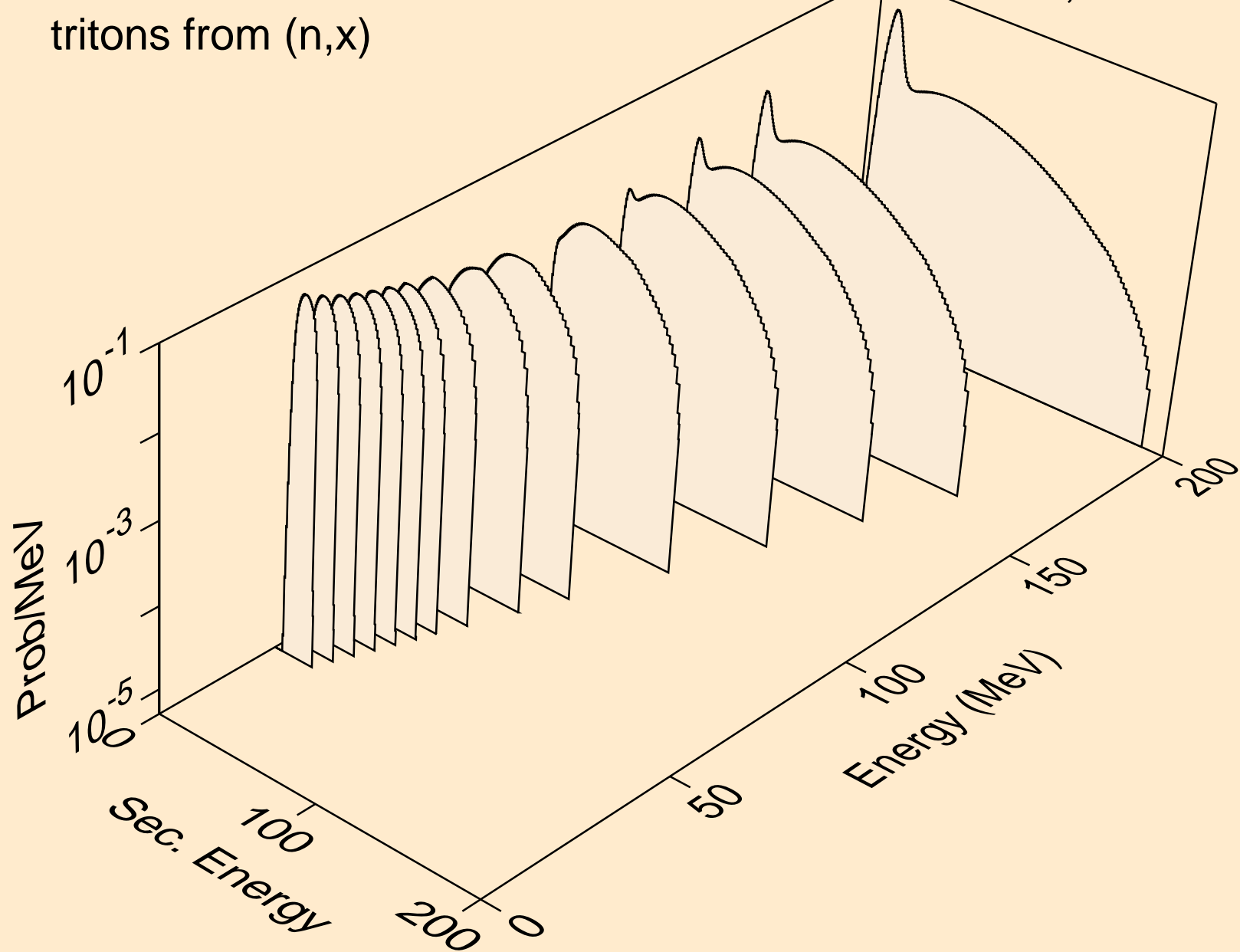
GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,pd)



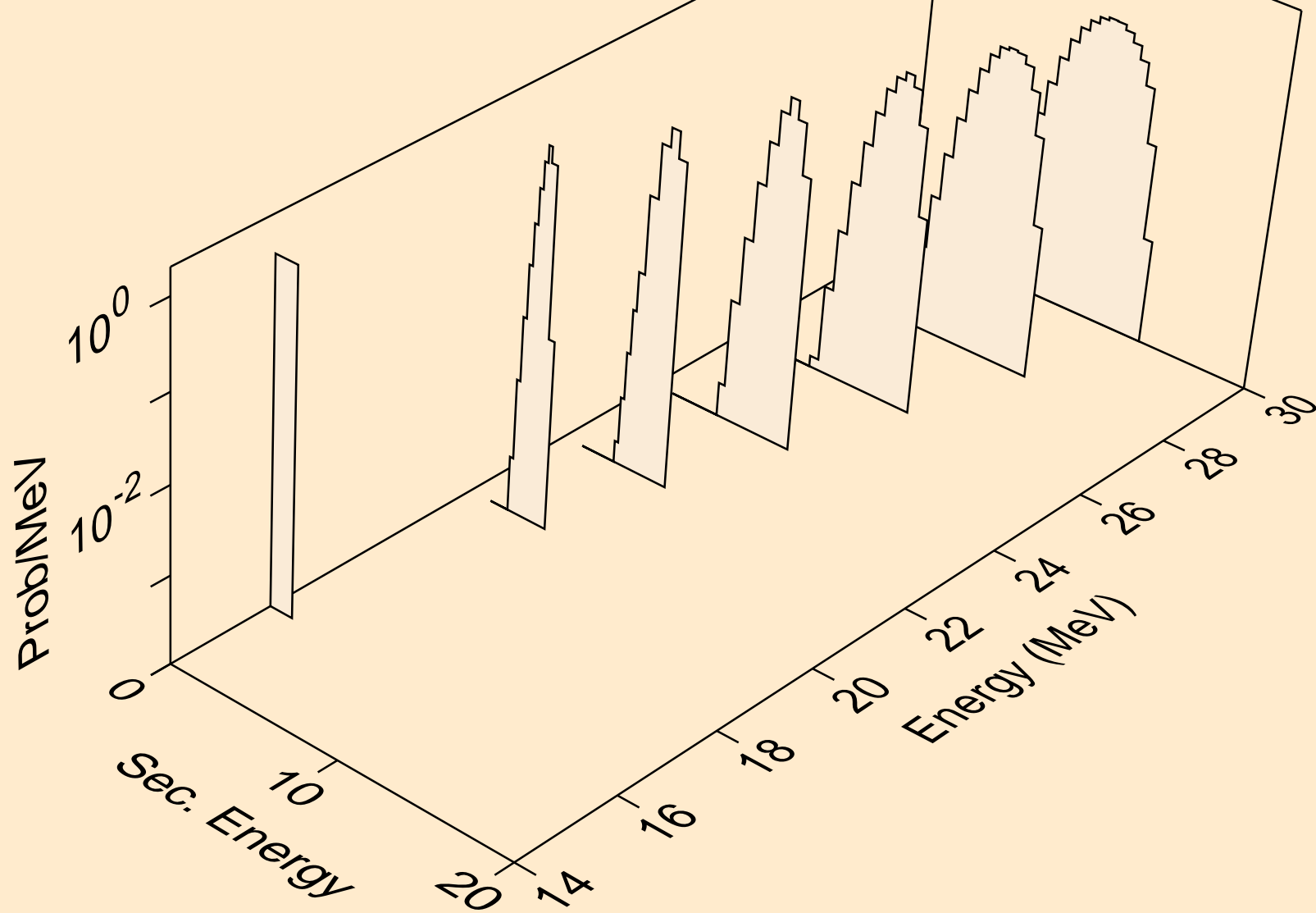
GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,da)



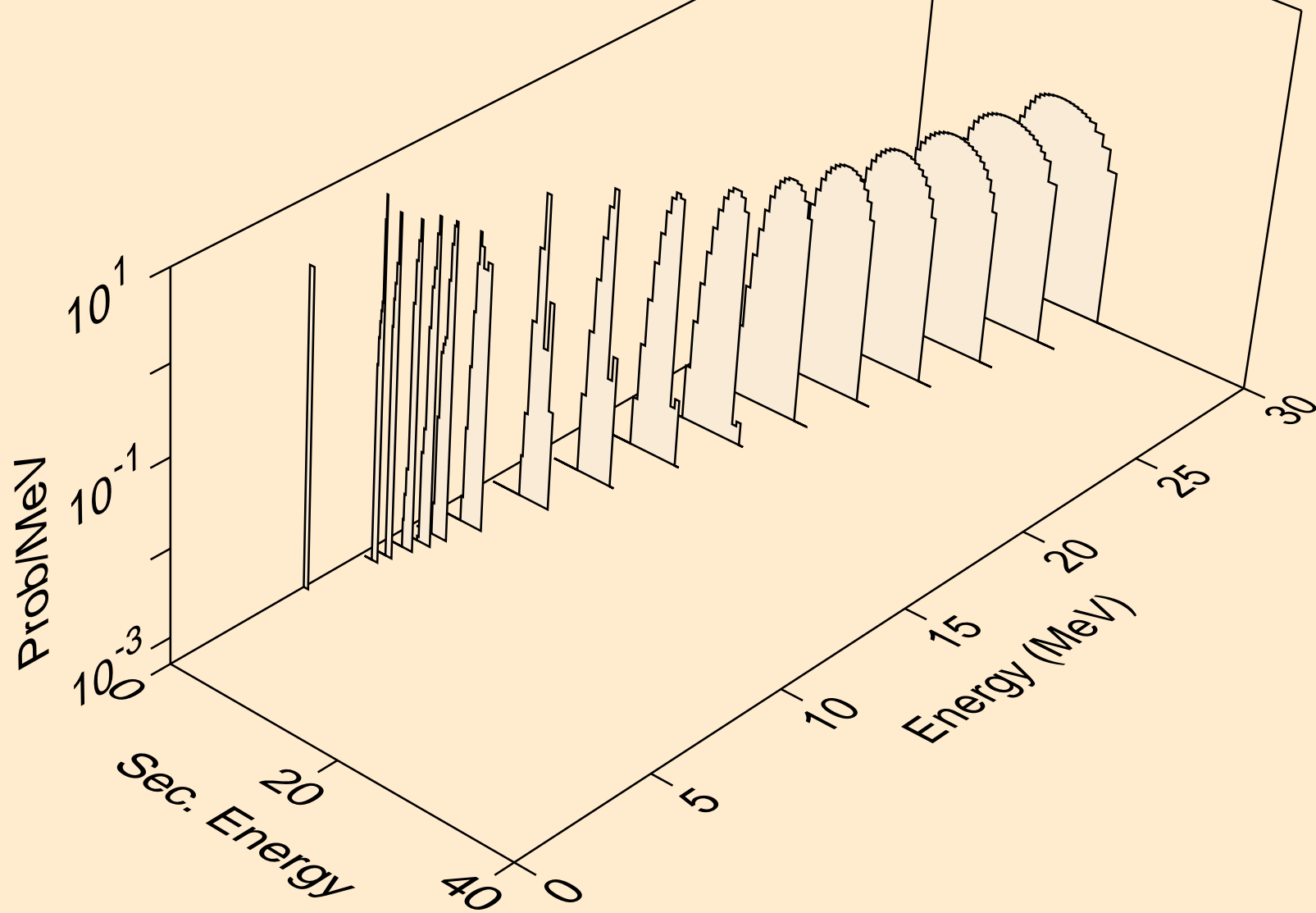
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tritons from (n,x)



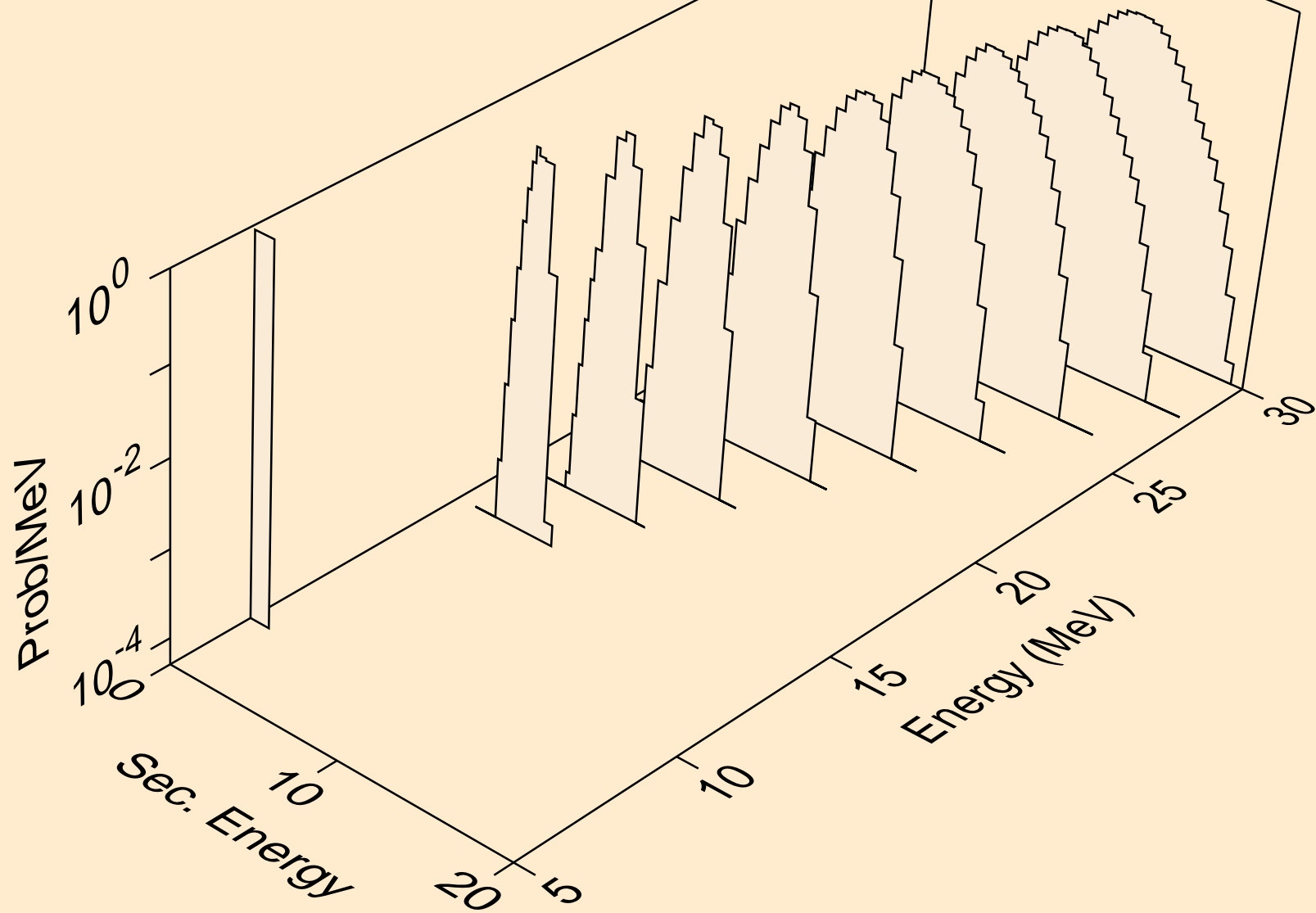
GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,n\*)t



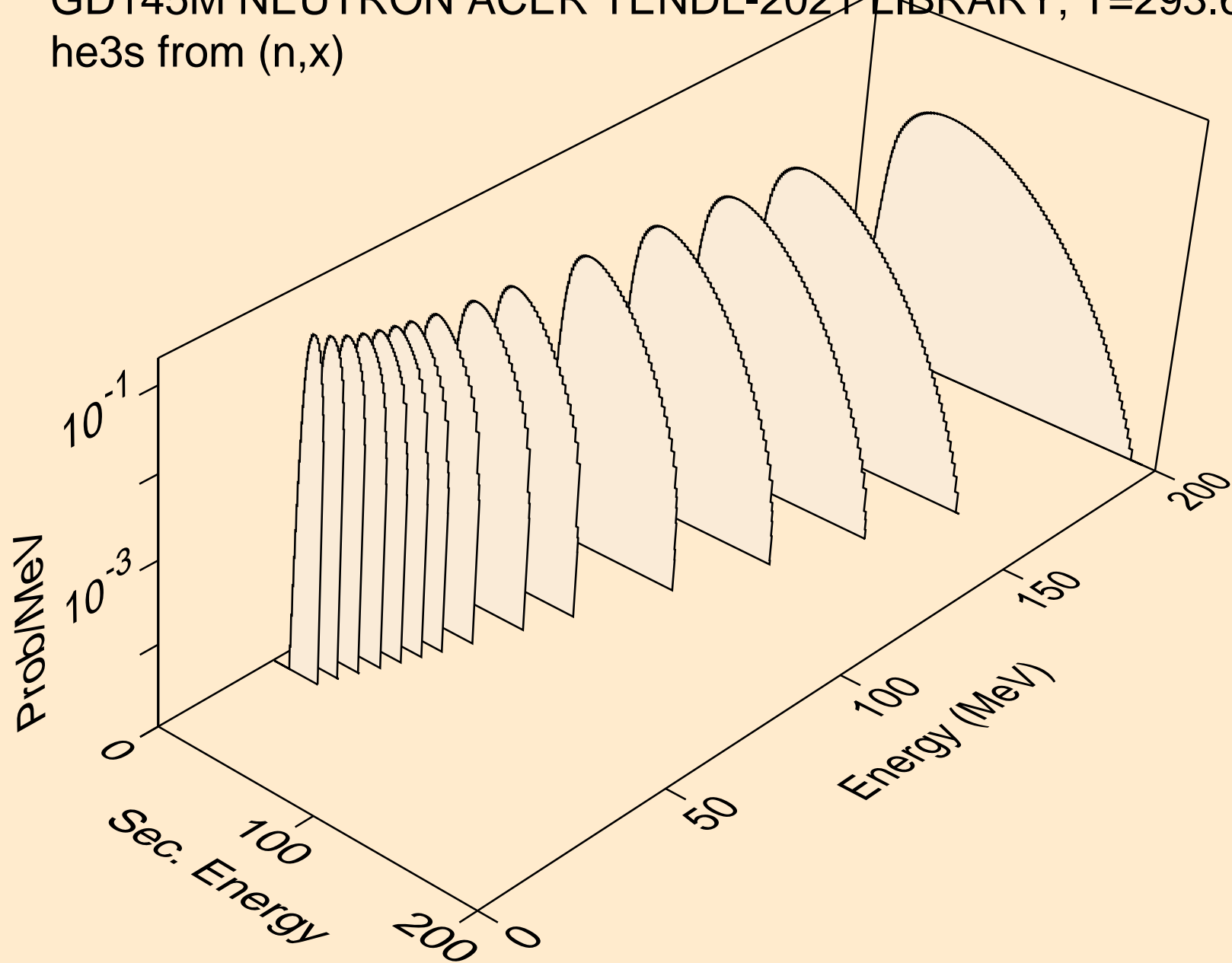
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tritons from (n,t)



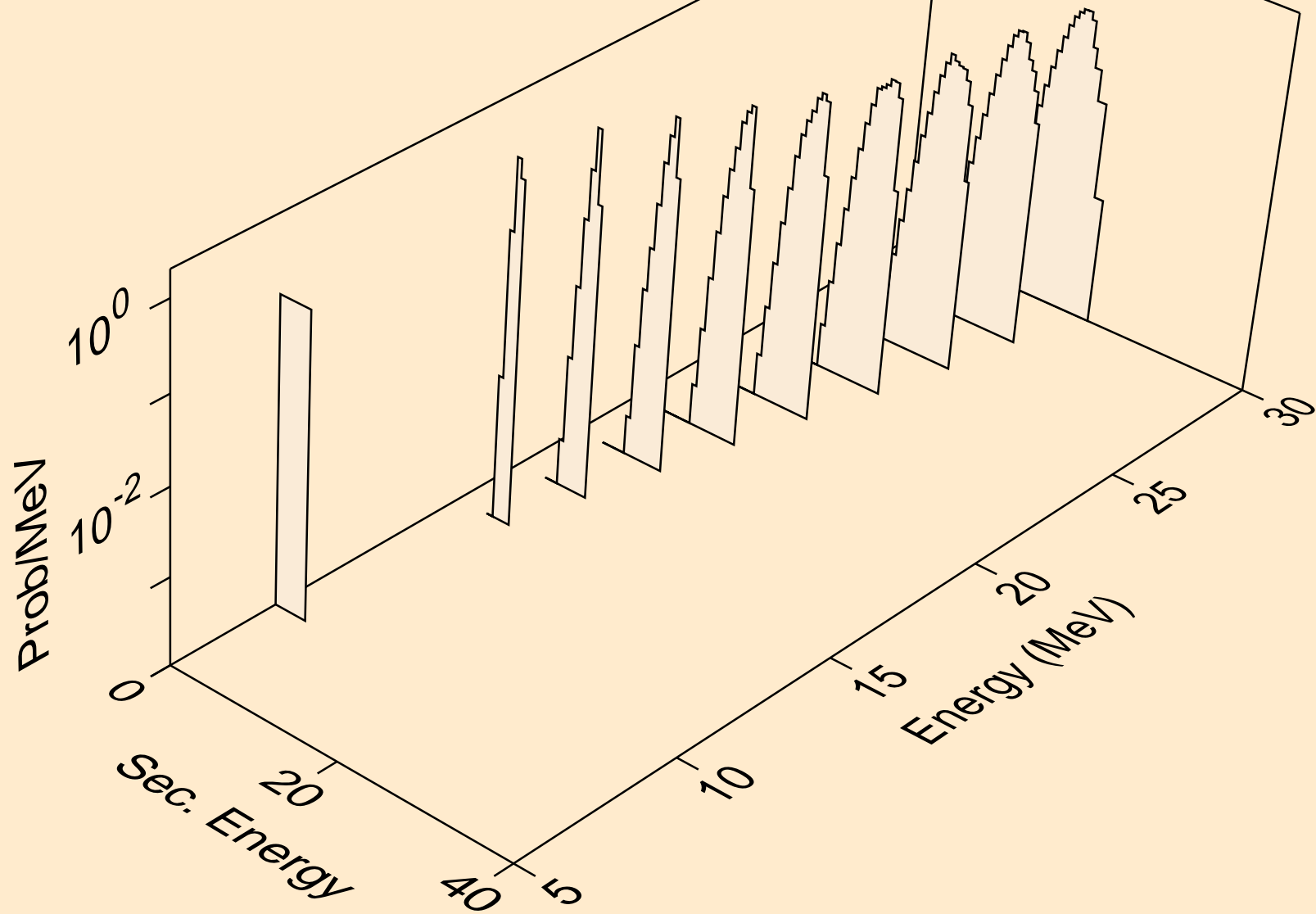
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tritons from (n,pt)



GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
he3s from (n,x)

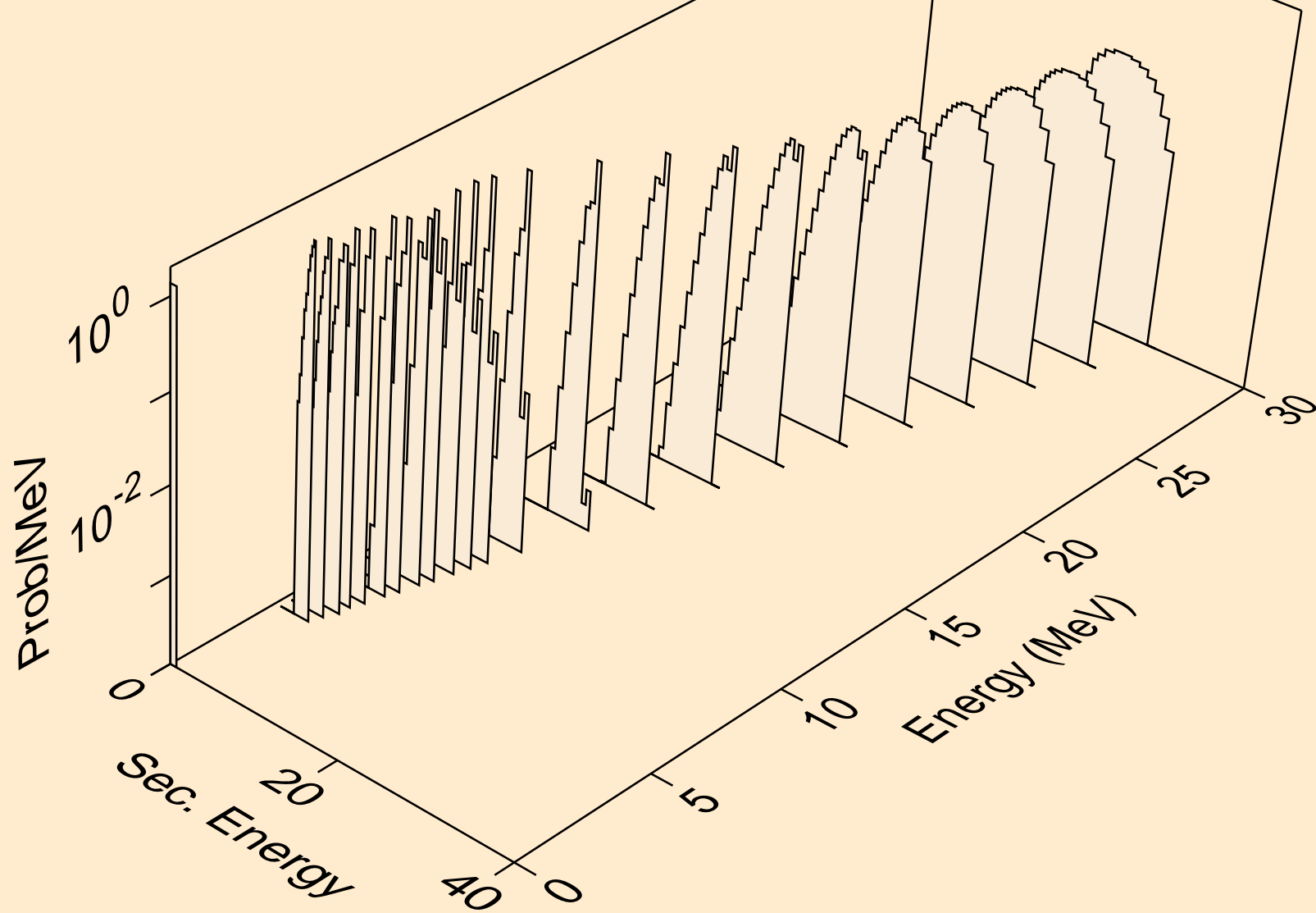


GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
he3s from (n,n\*)he3

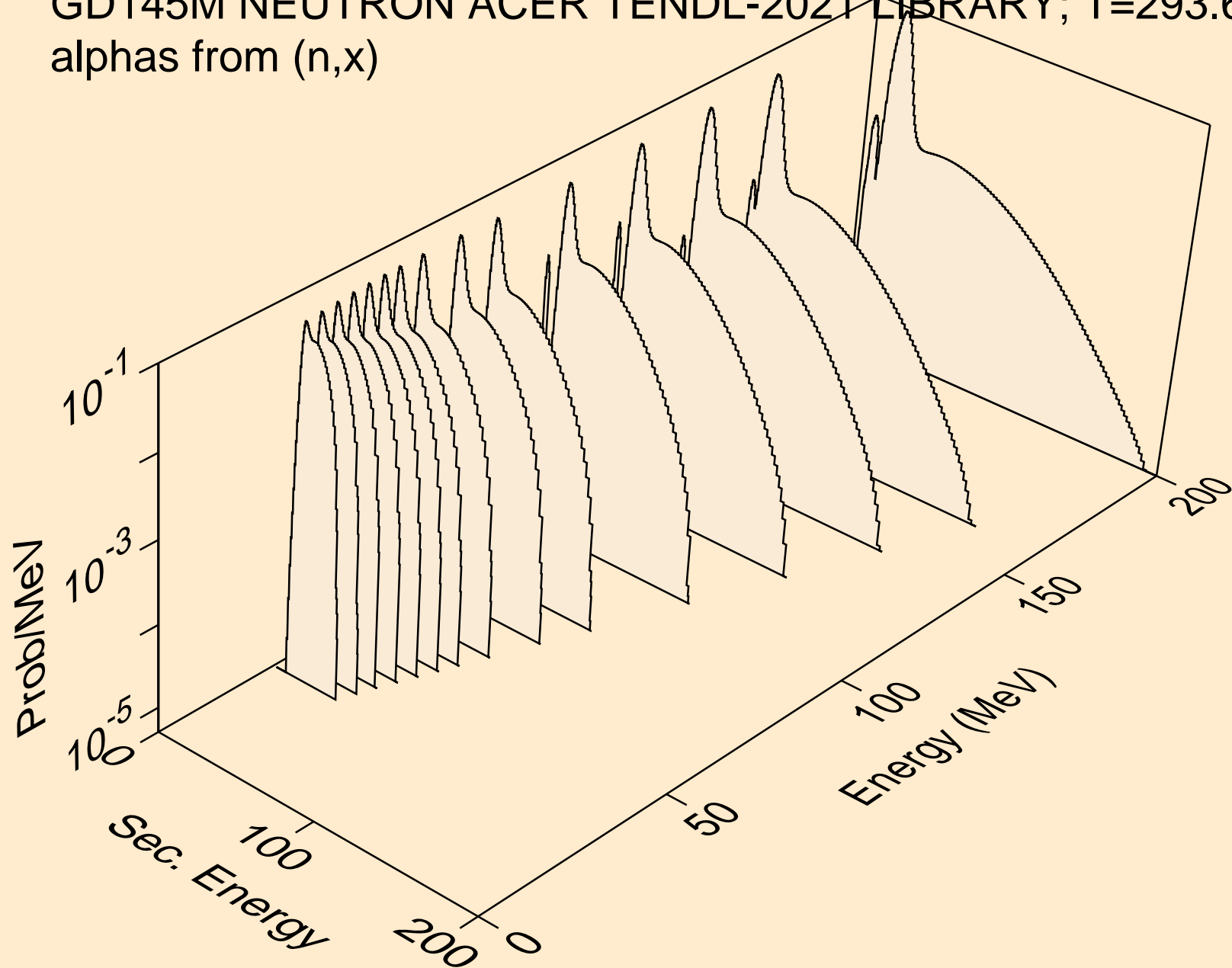




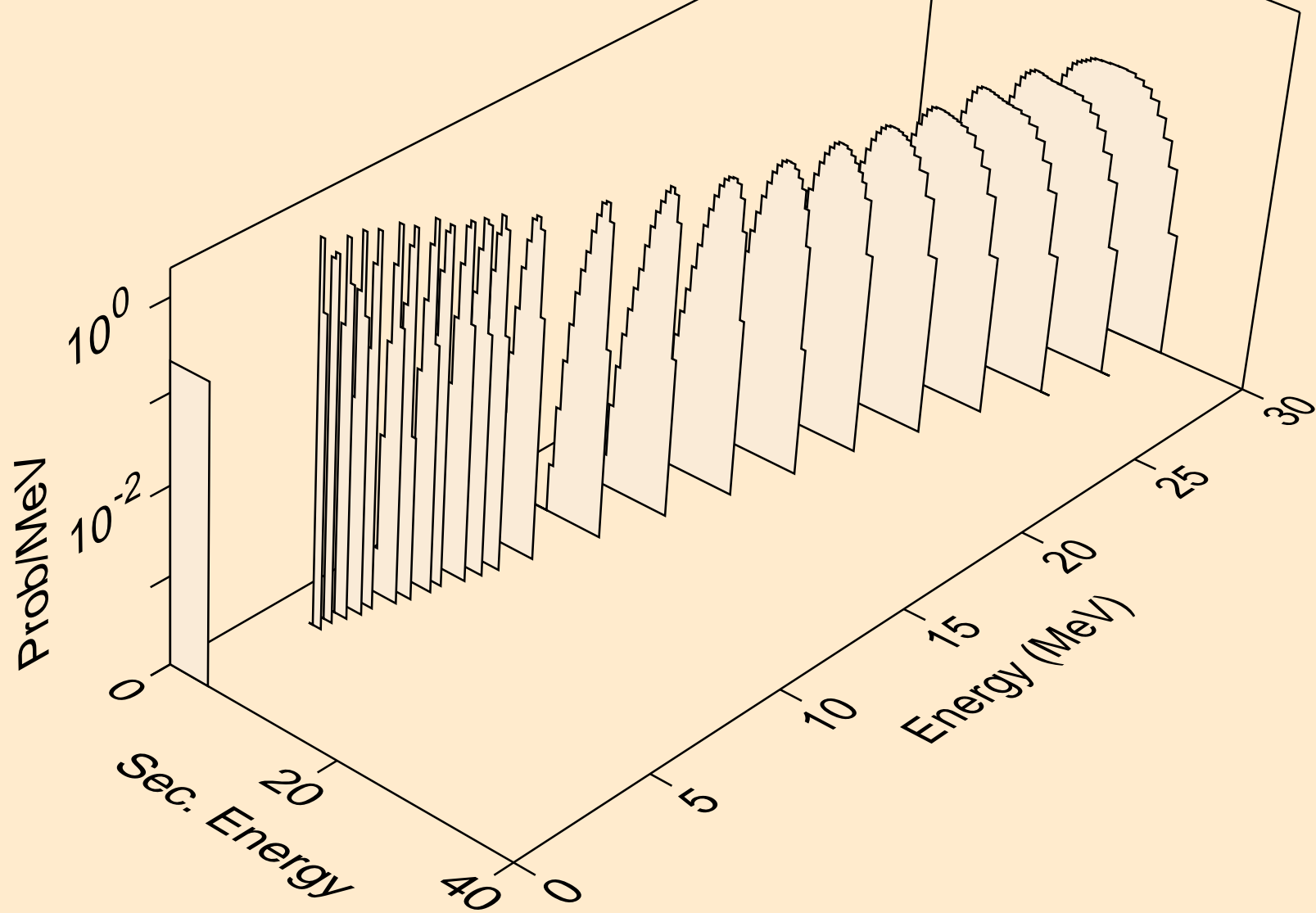
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he3s from (n,he3)



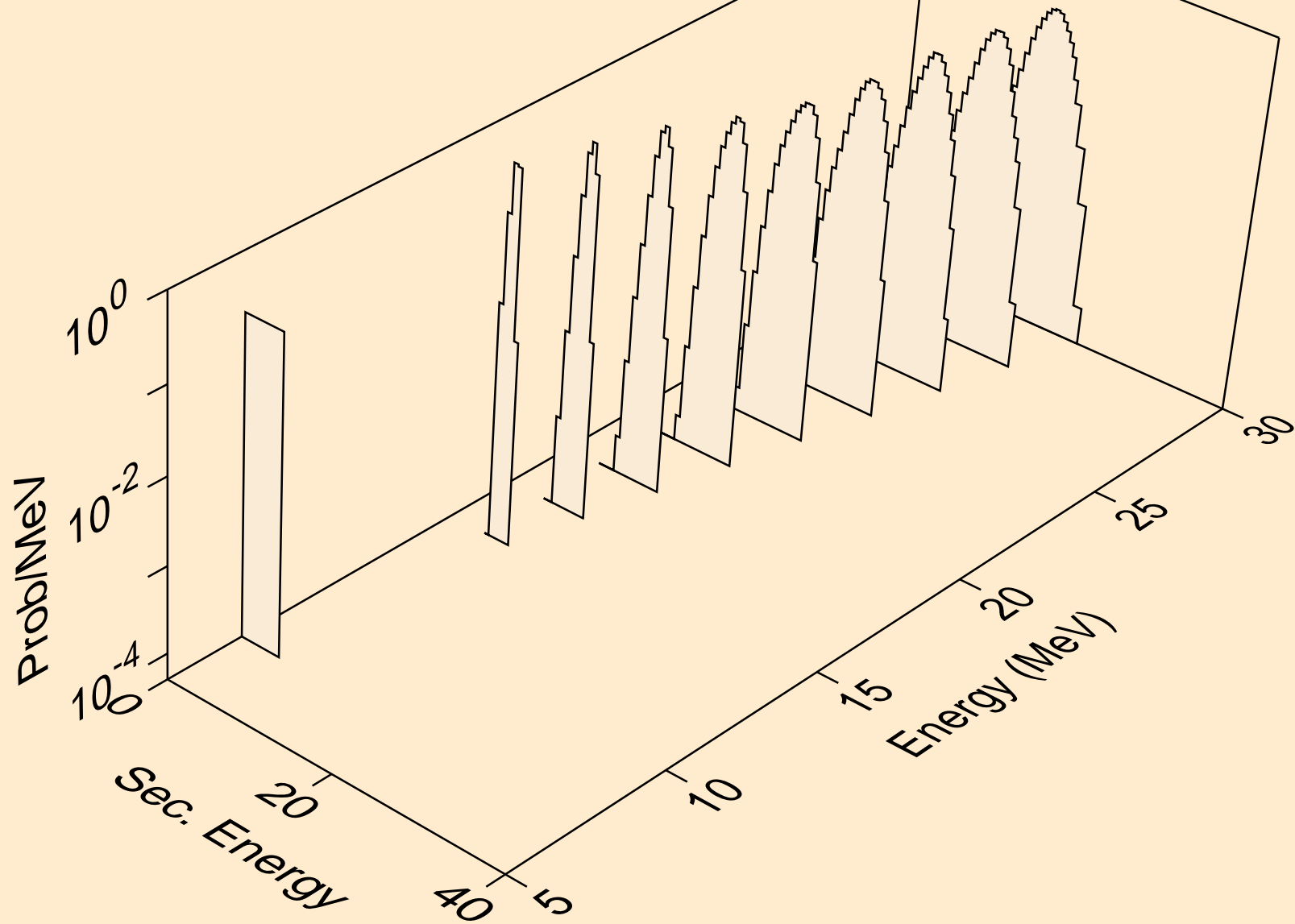
GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,x)



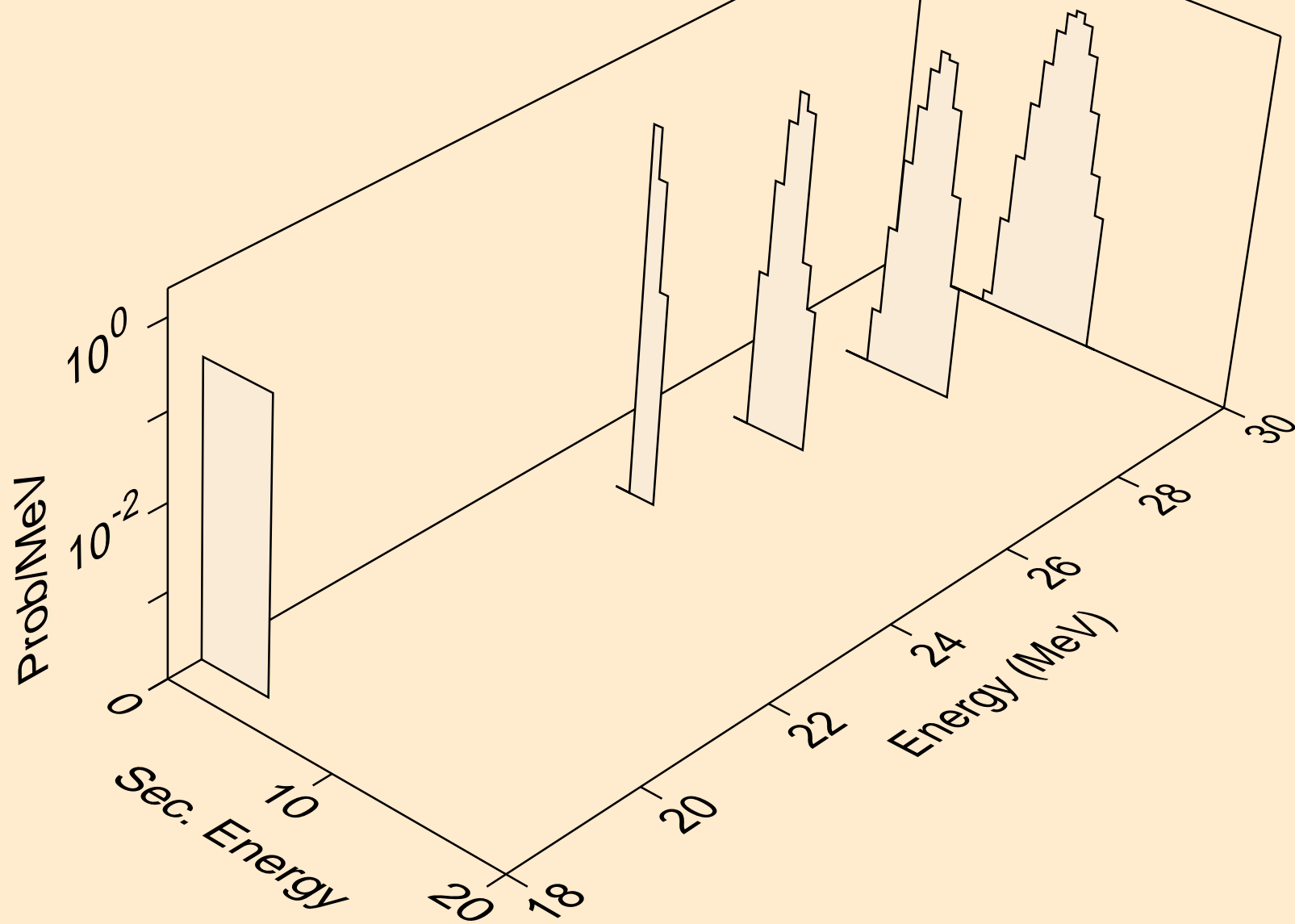
GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,n\*)a



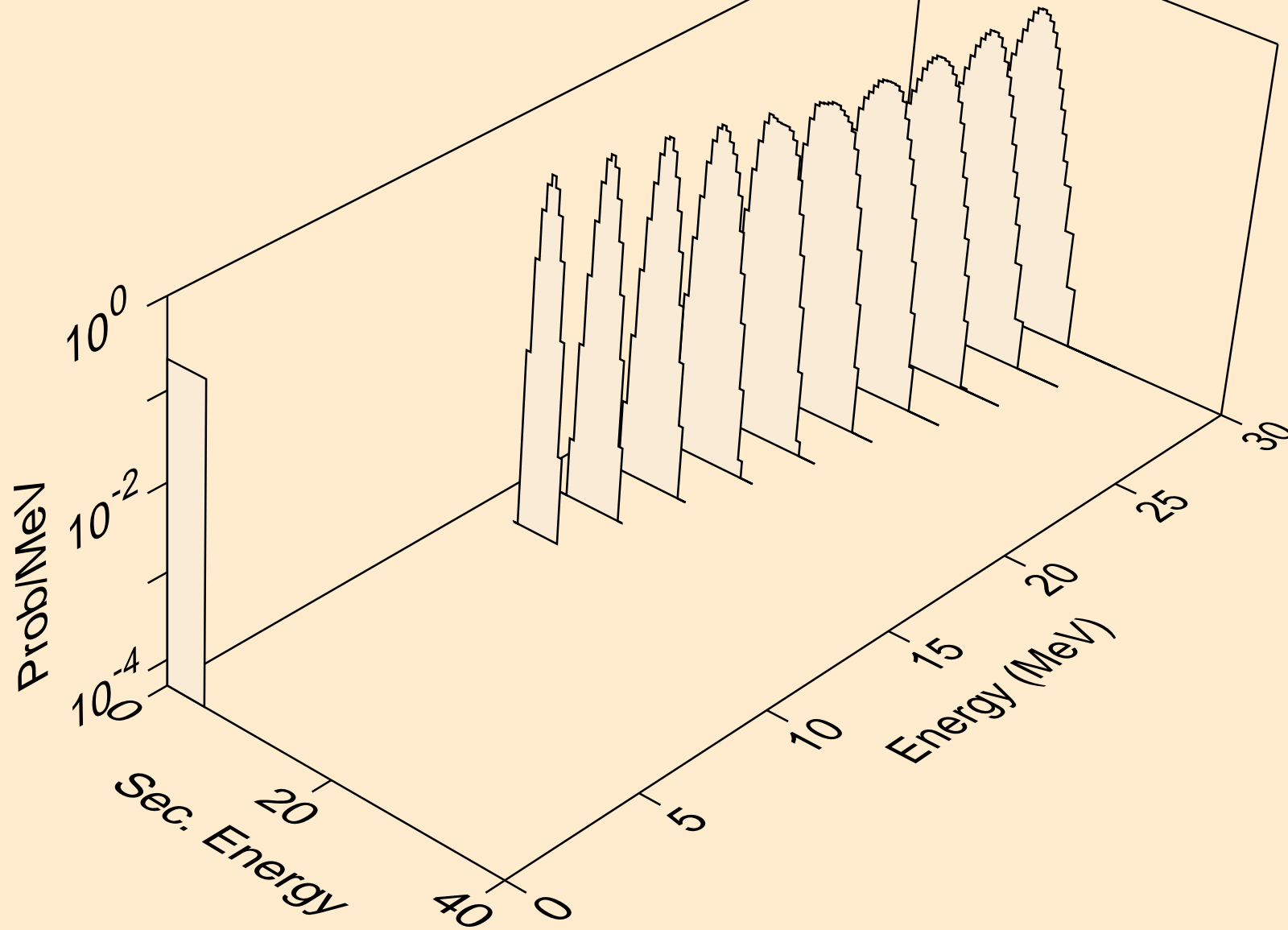
GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2n)a



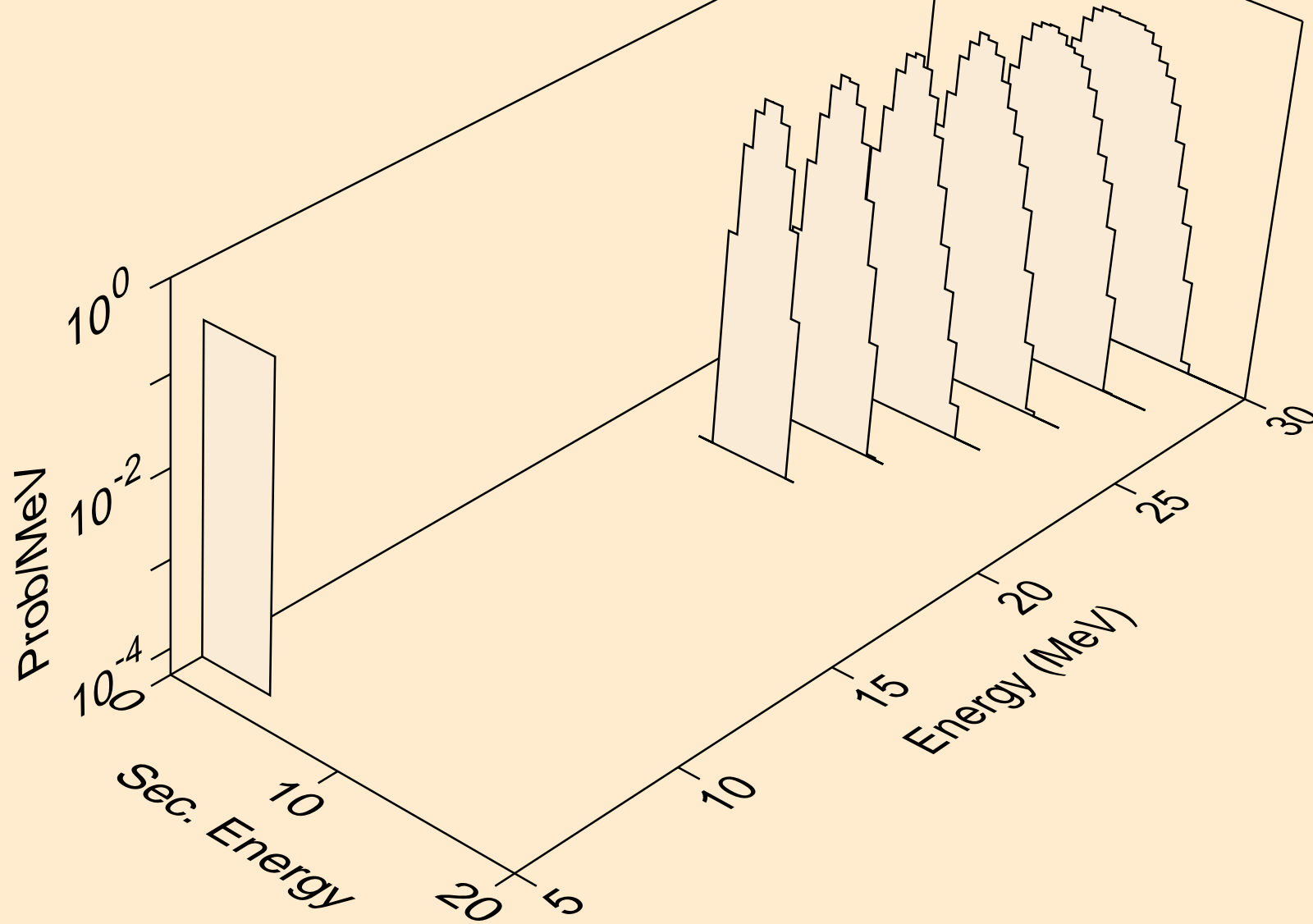
GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,3n)a



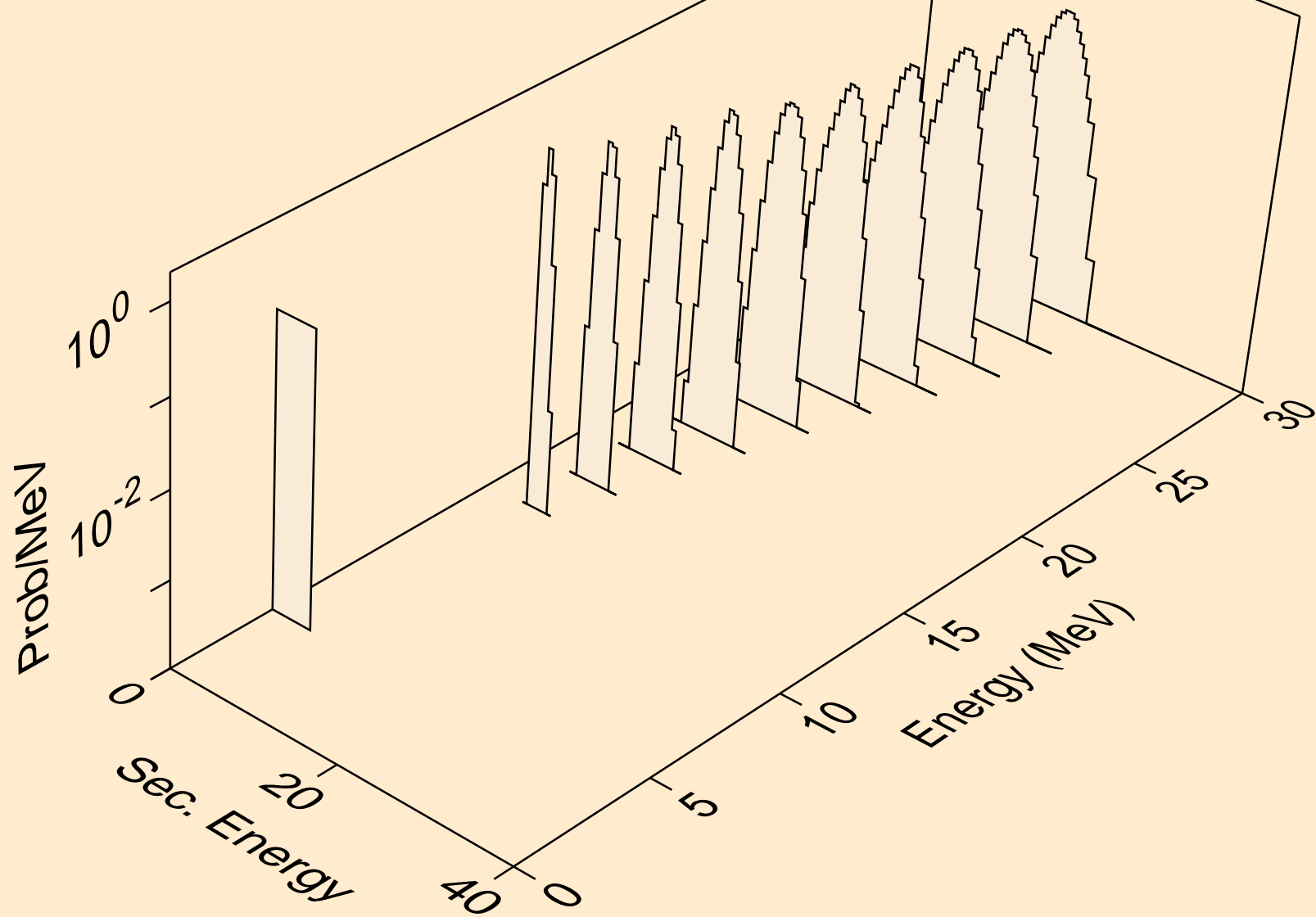
GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,n\*)2a



GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2n)2a

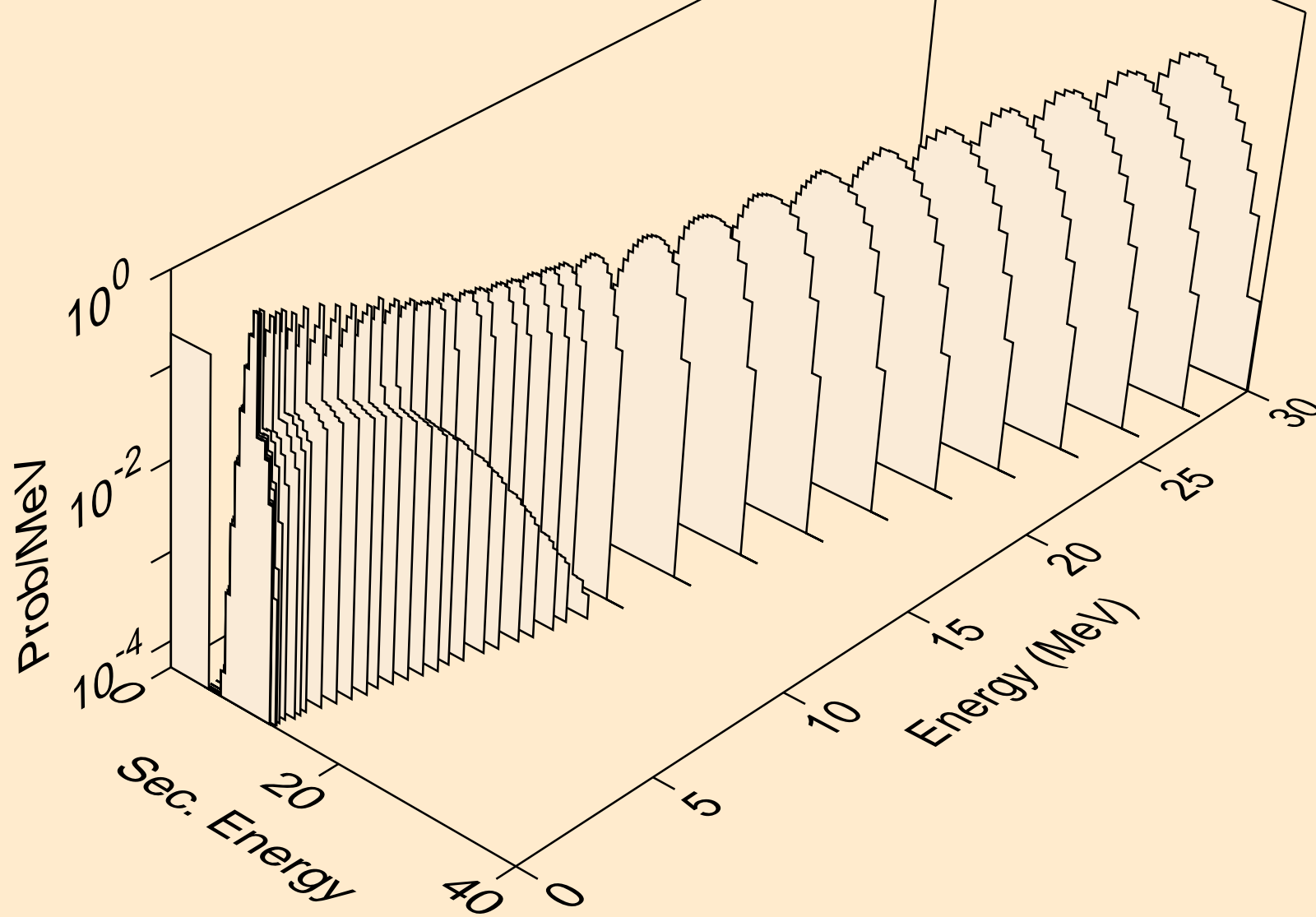


GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,npa)

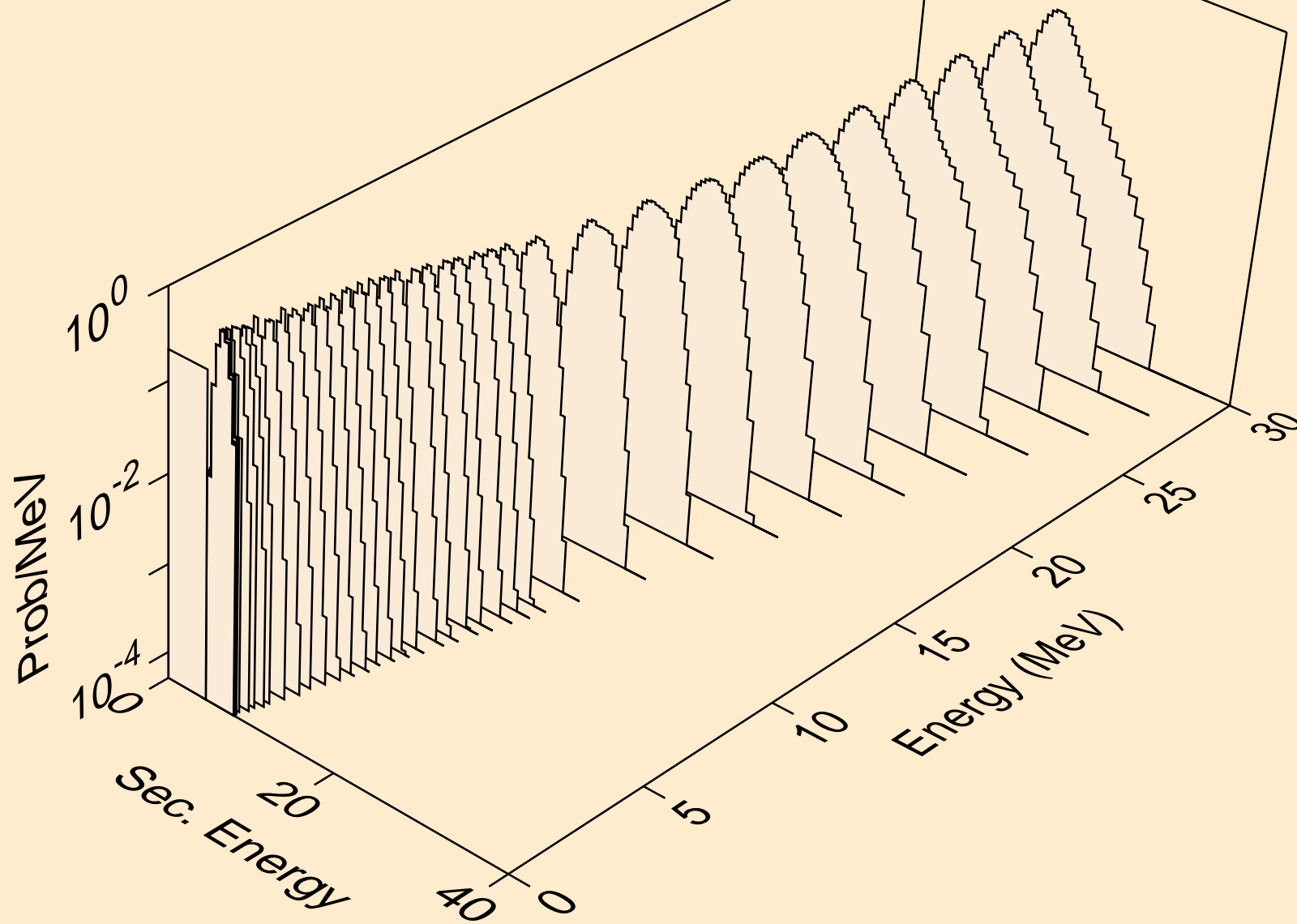




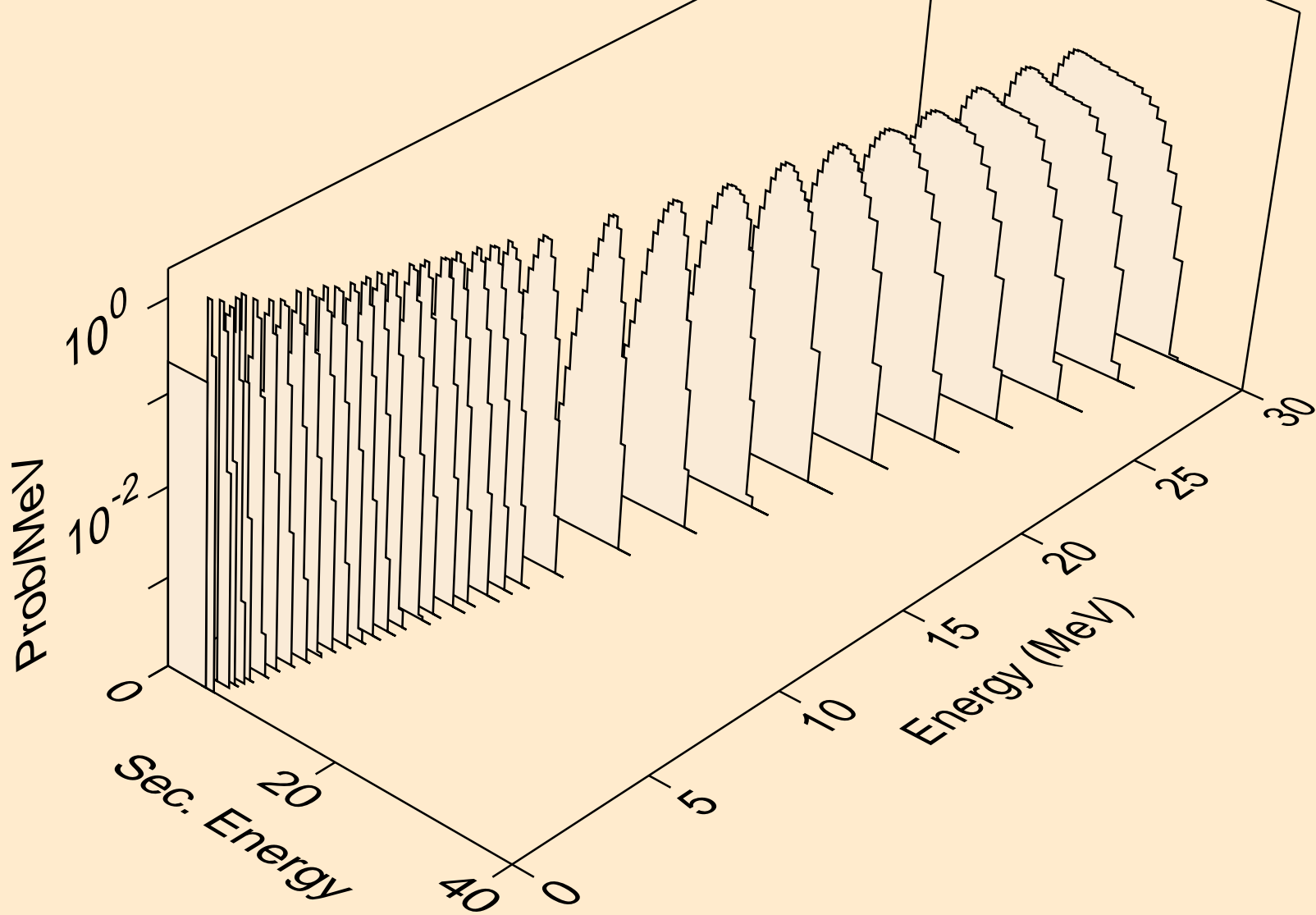
GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,a)



GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2a)



GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,pa)



GD145M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,da)

