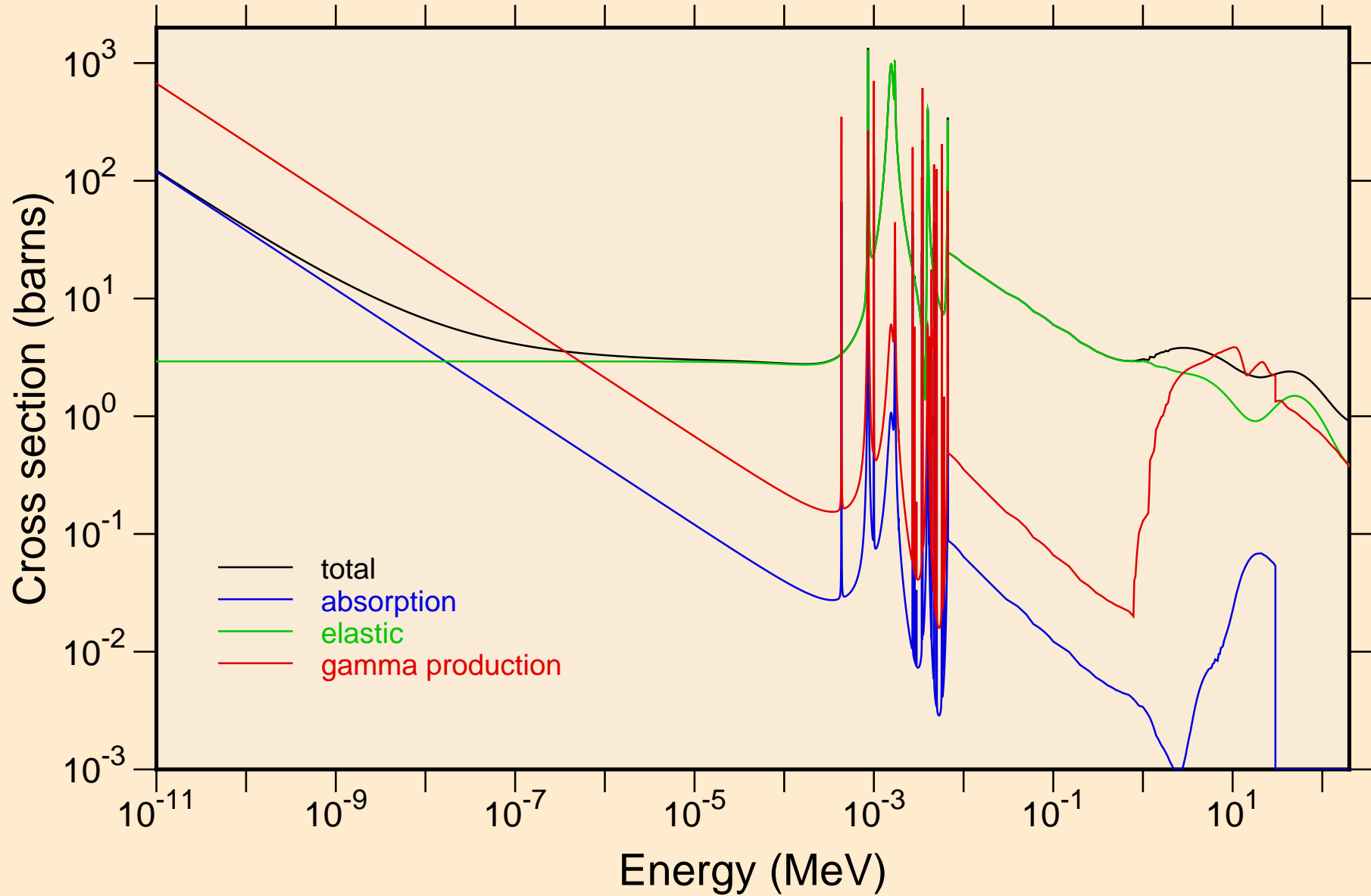
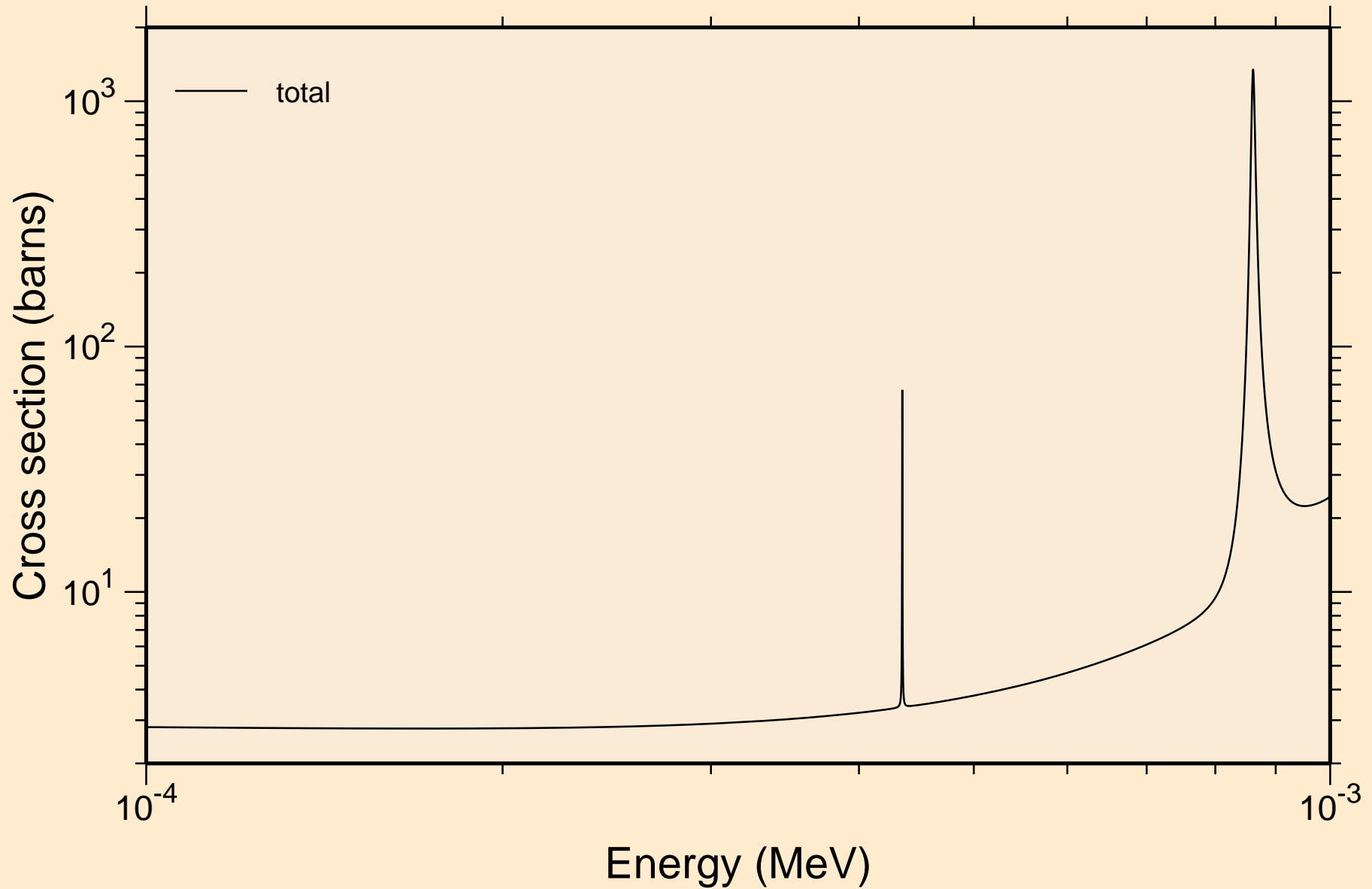


# SC047 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

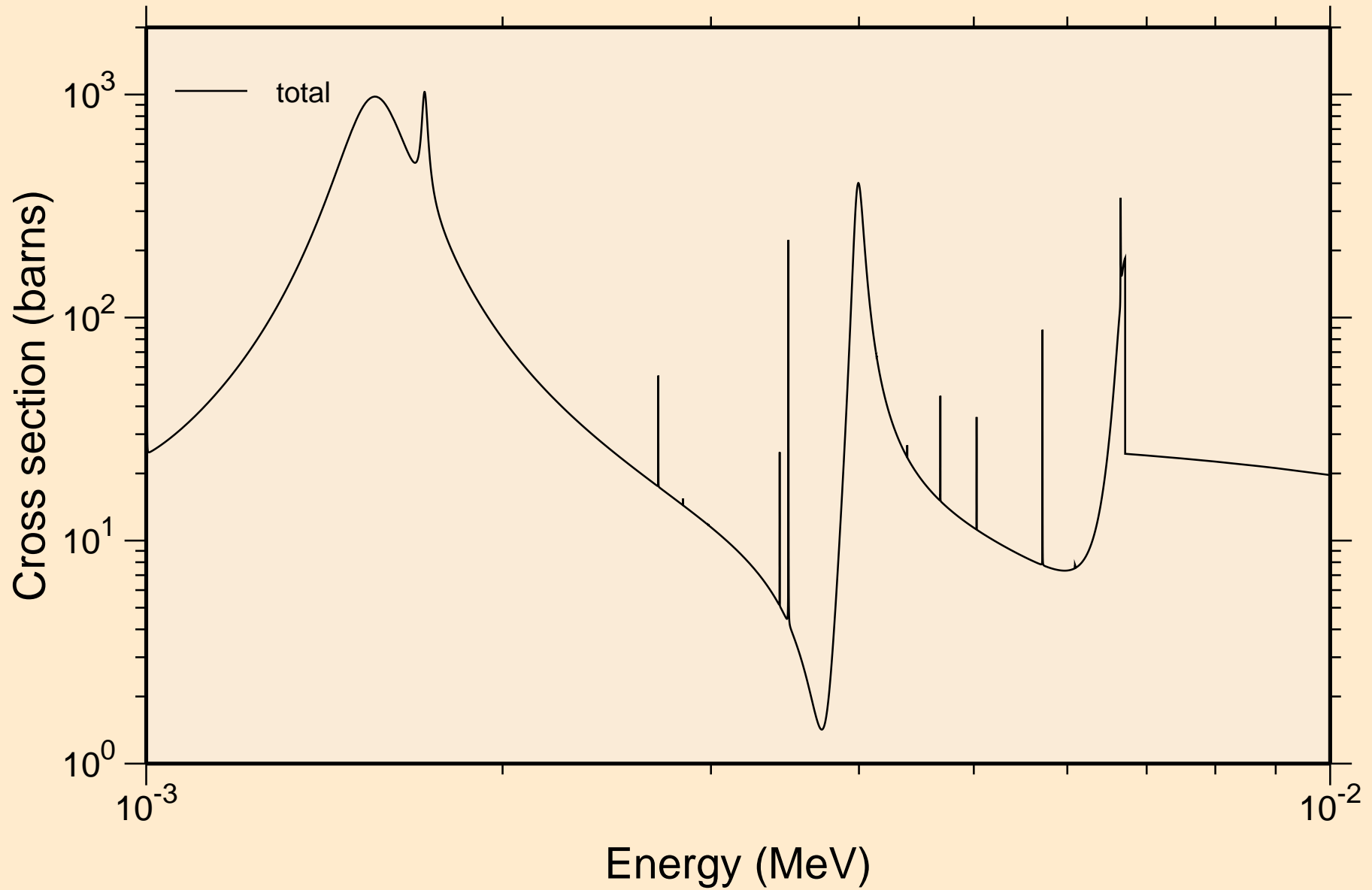
## Principal cross sections



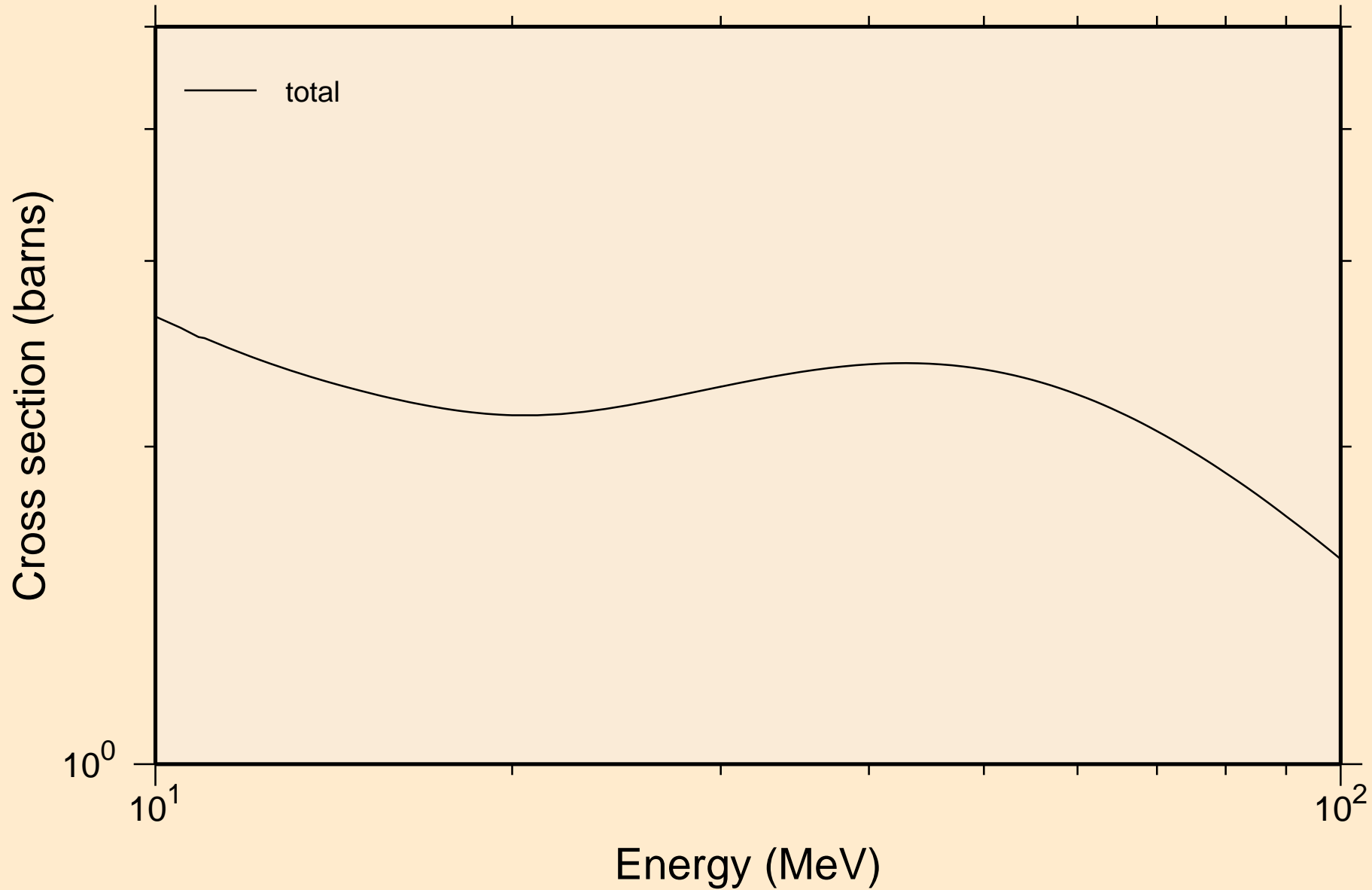
SC047 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



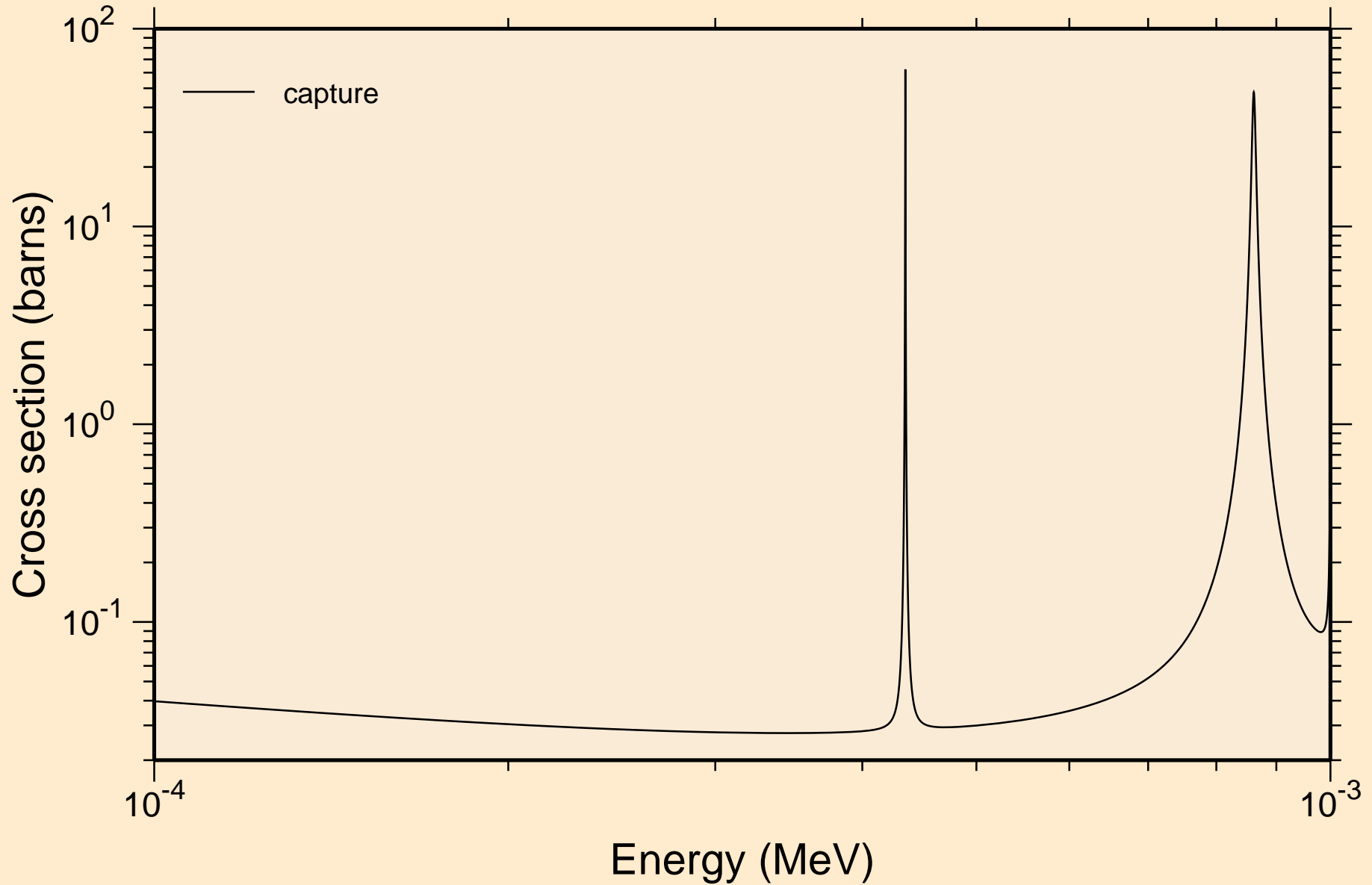
SC047 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



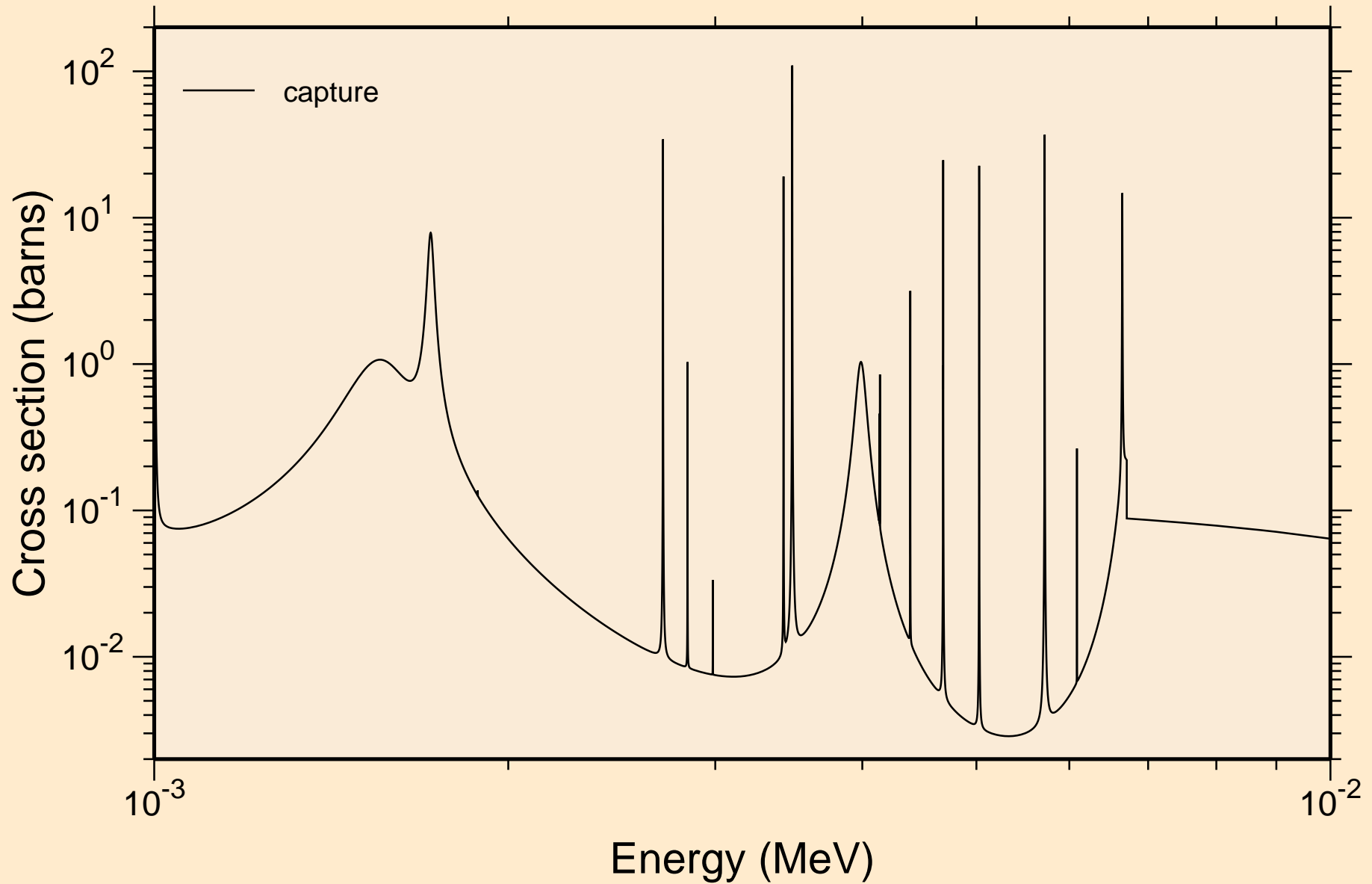
SC047 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



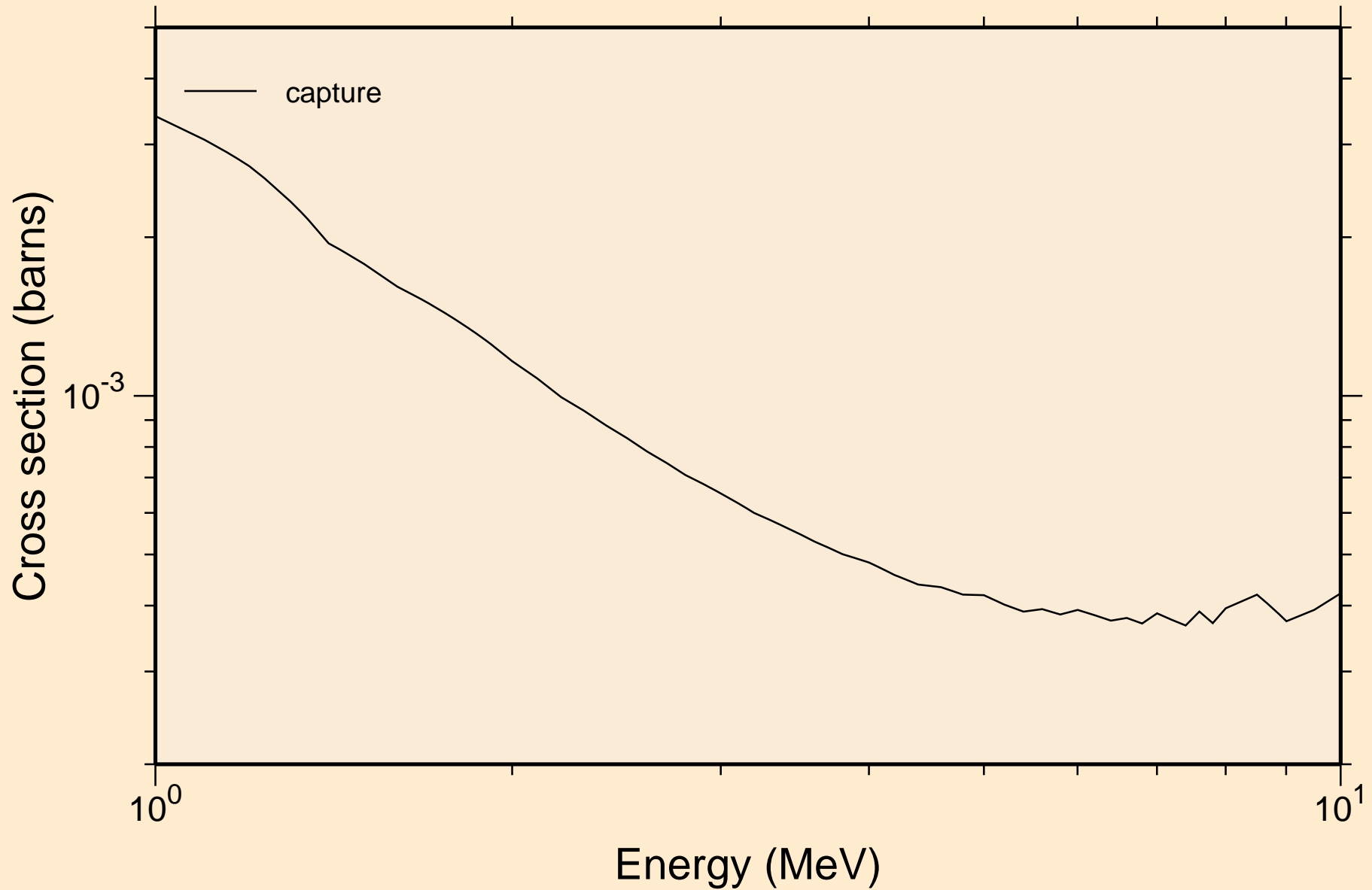
SC047 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



SC047 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

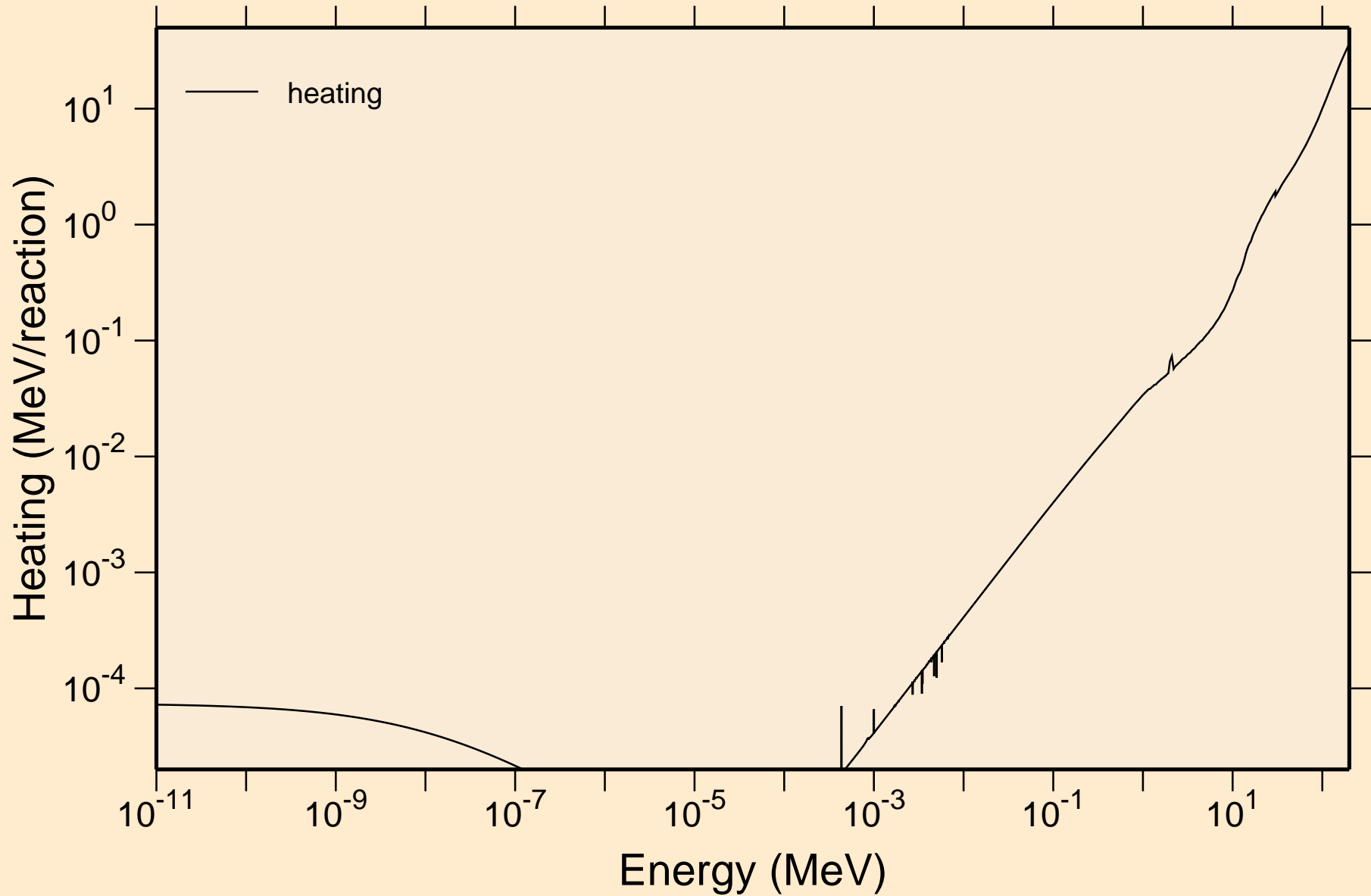


SC047 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



# SC047 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

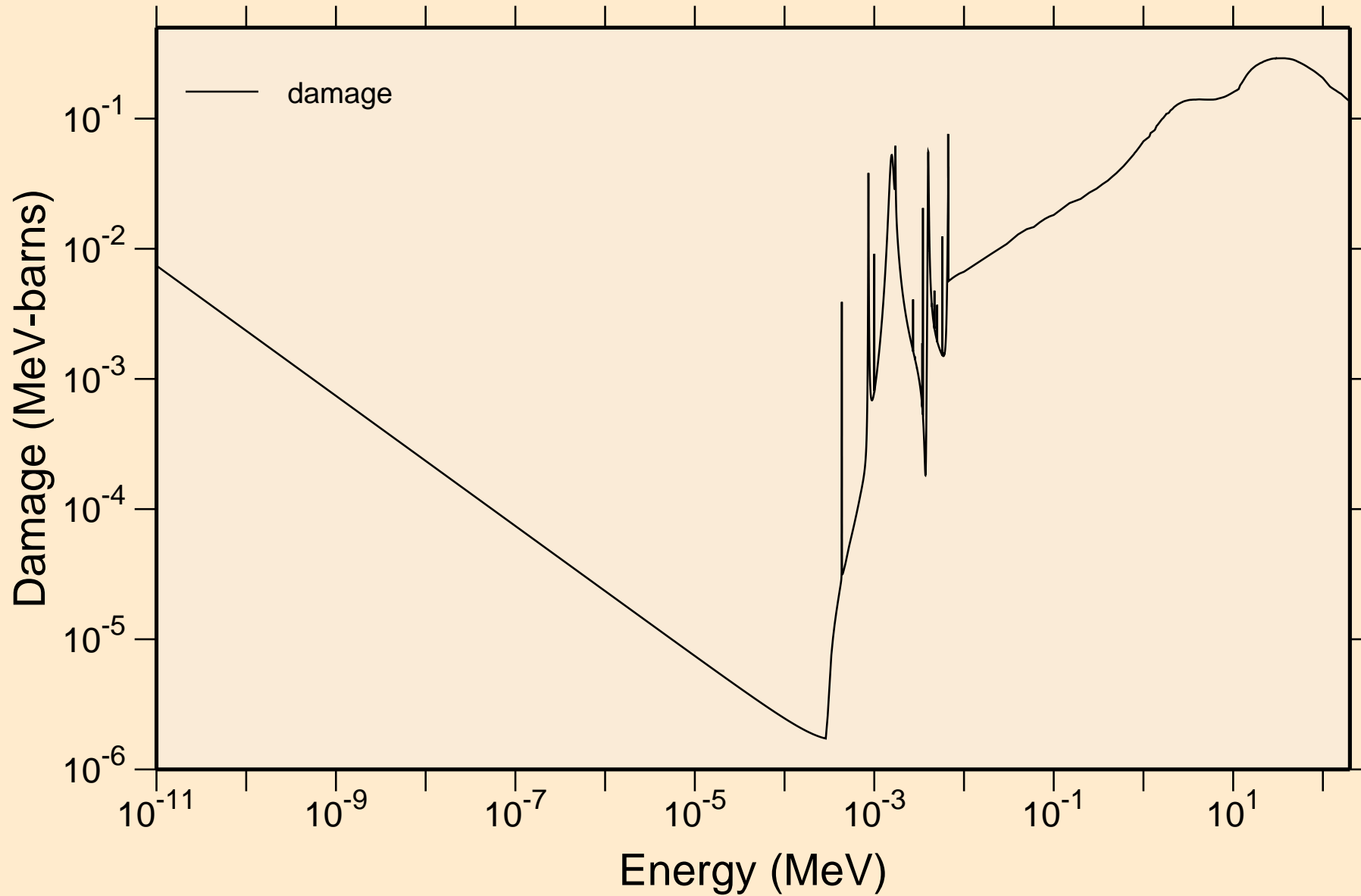
## Heating



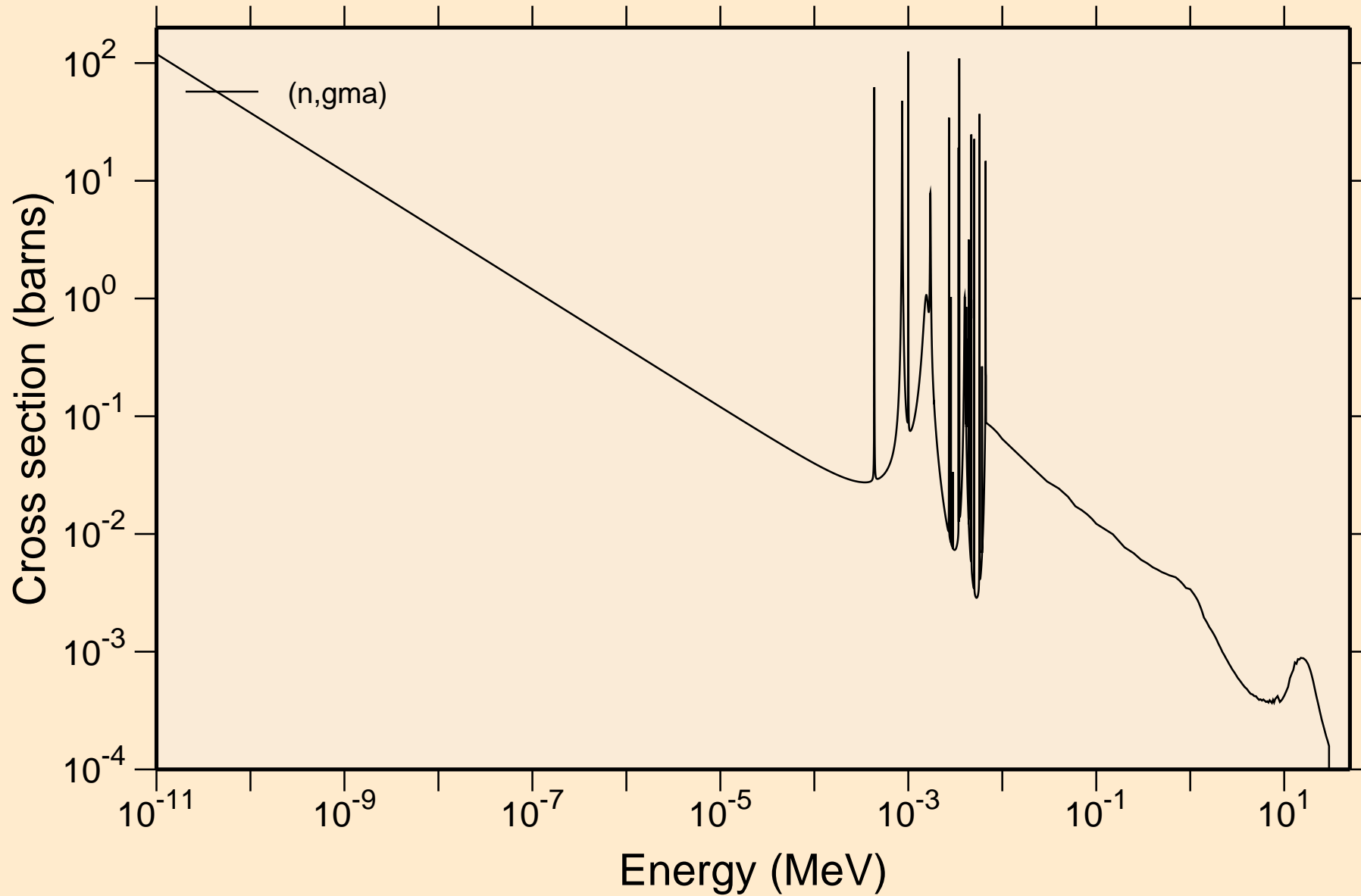


# SC047 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Damage

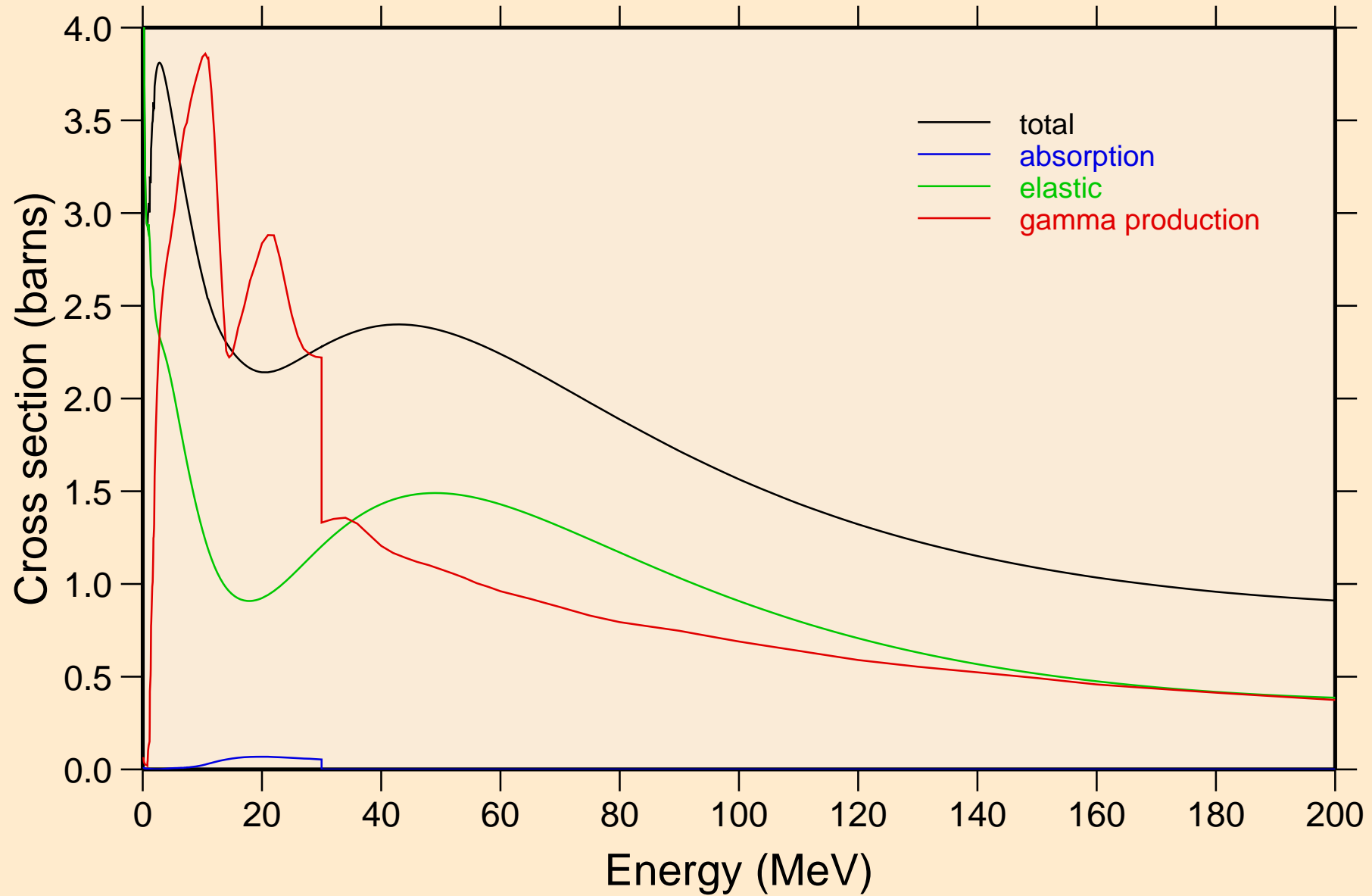


SC047 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



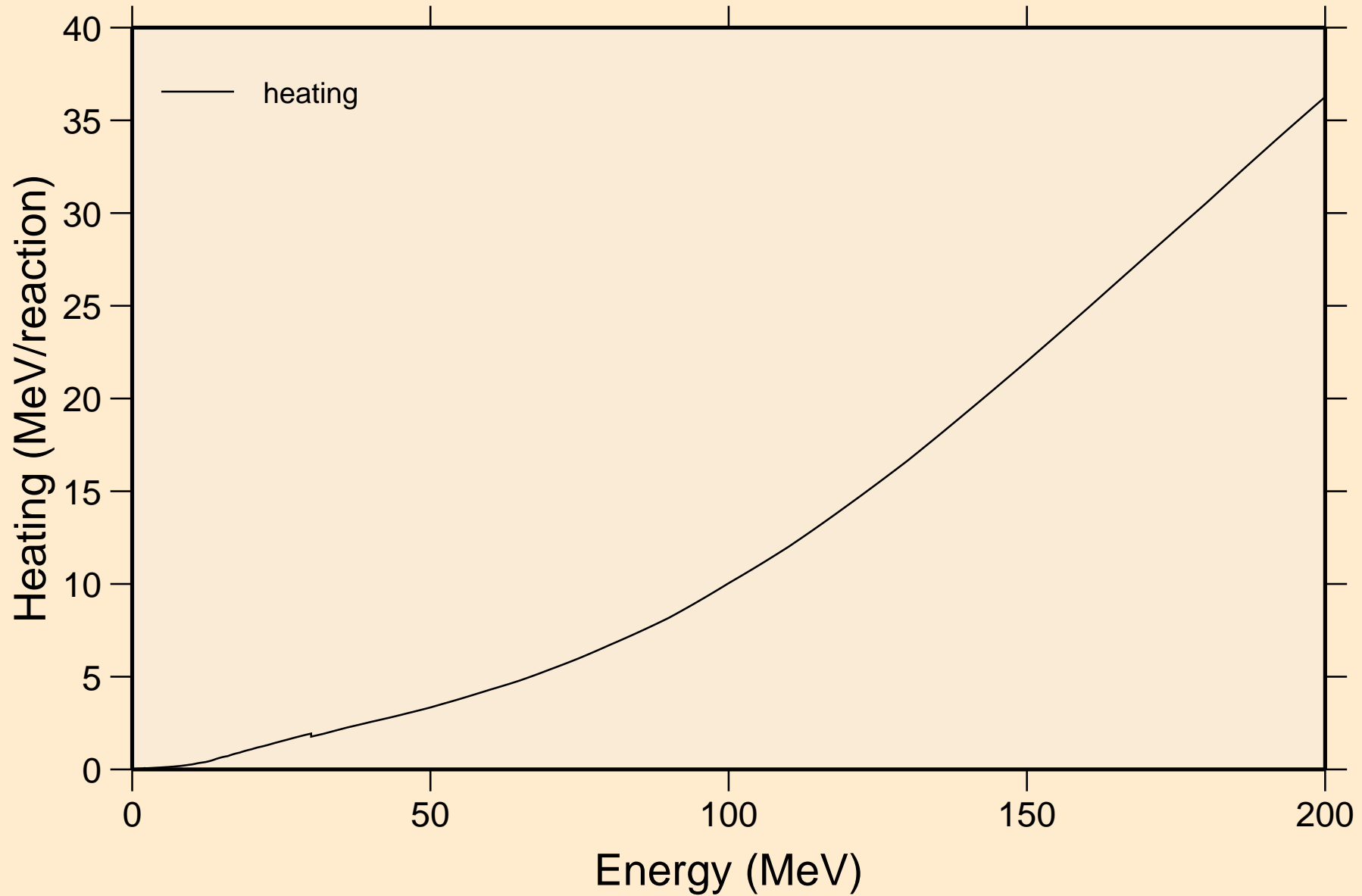
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## Principal cross sections



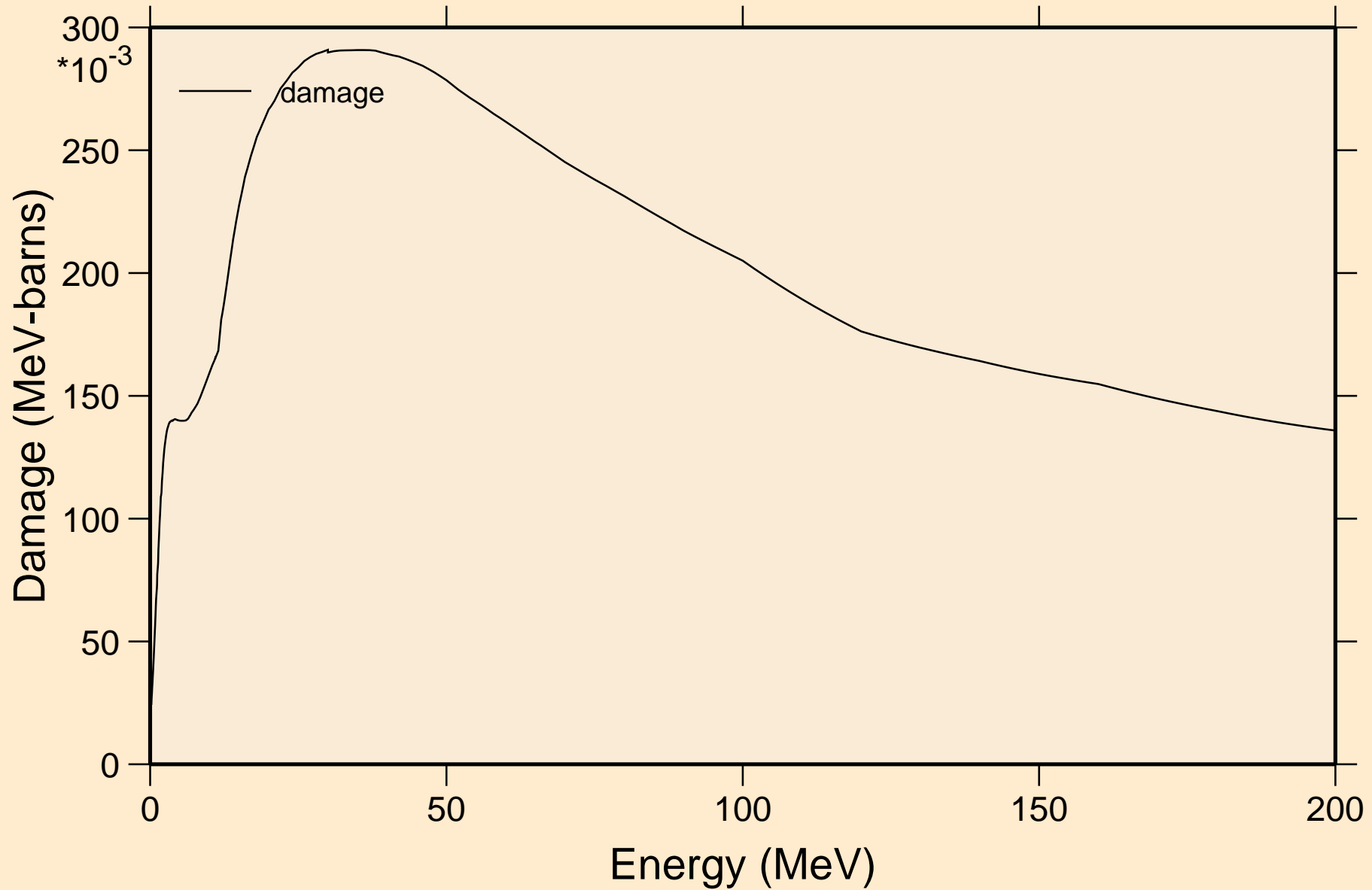
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## Heating

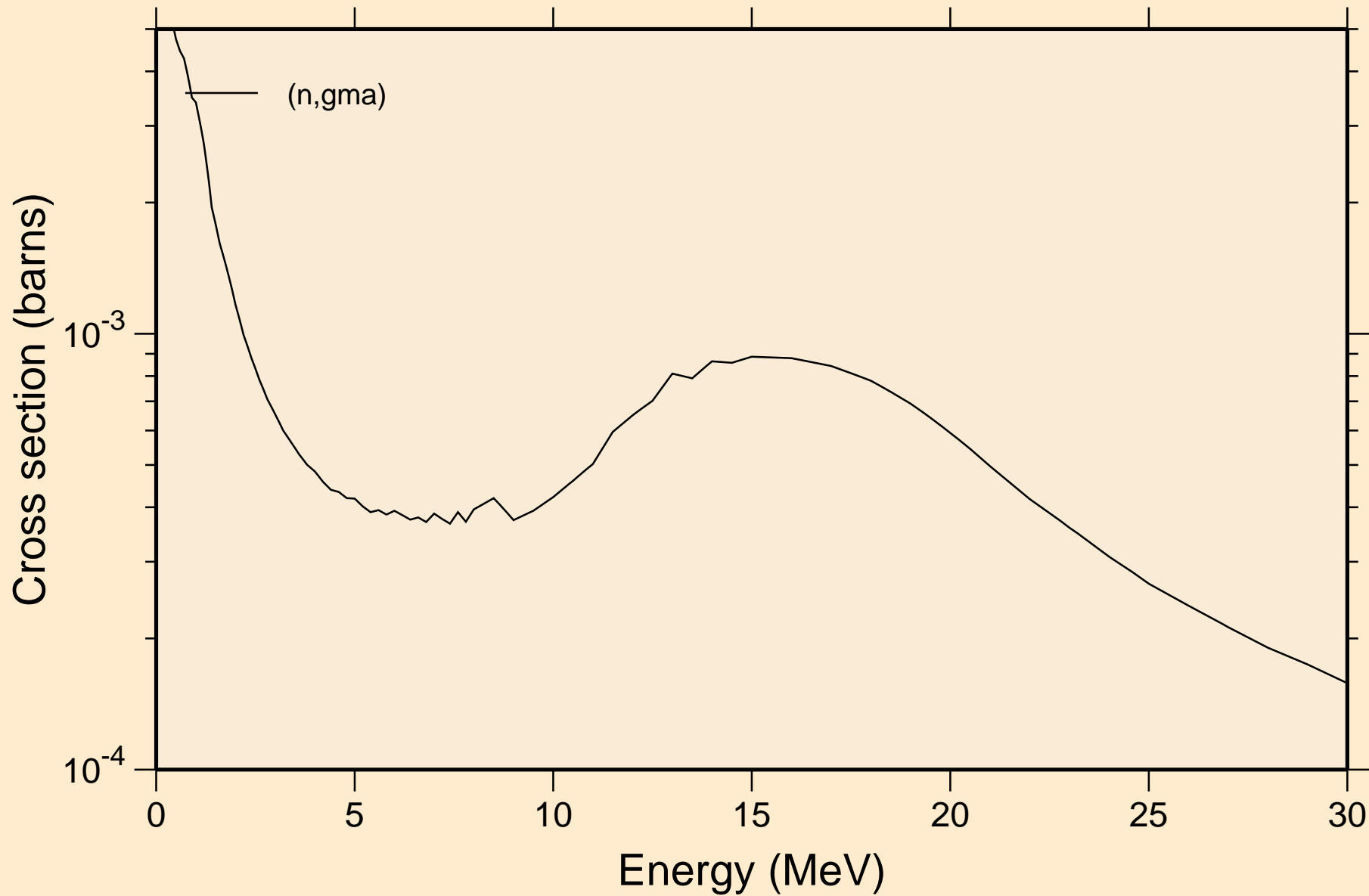


# SC047 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

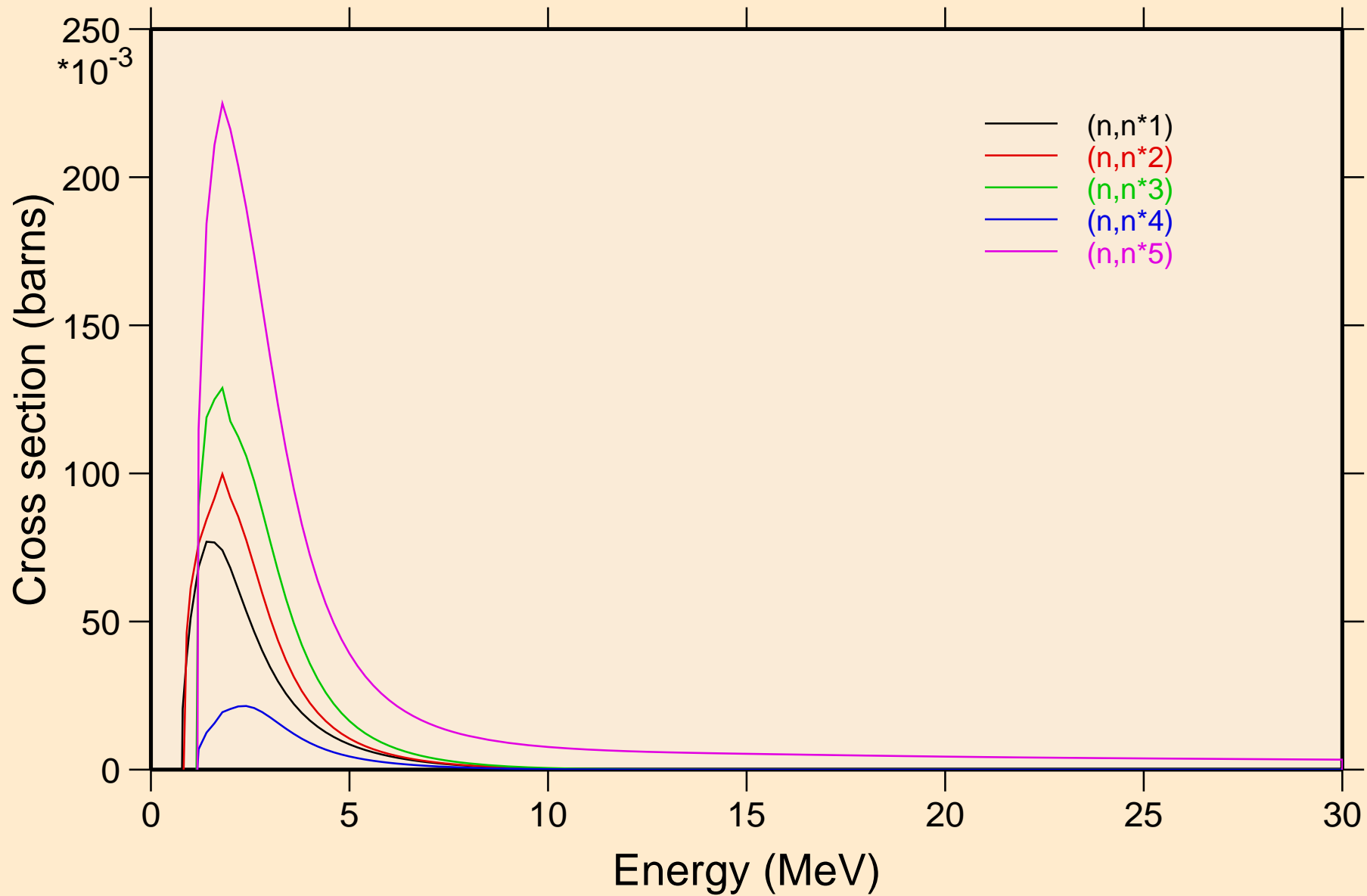
## Damage



SC047 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

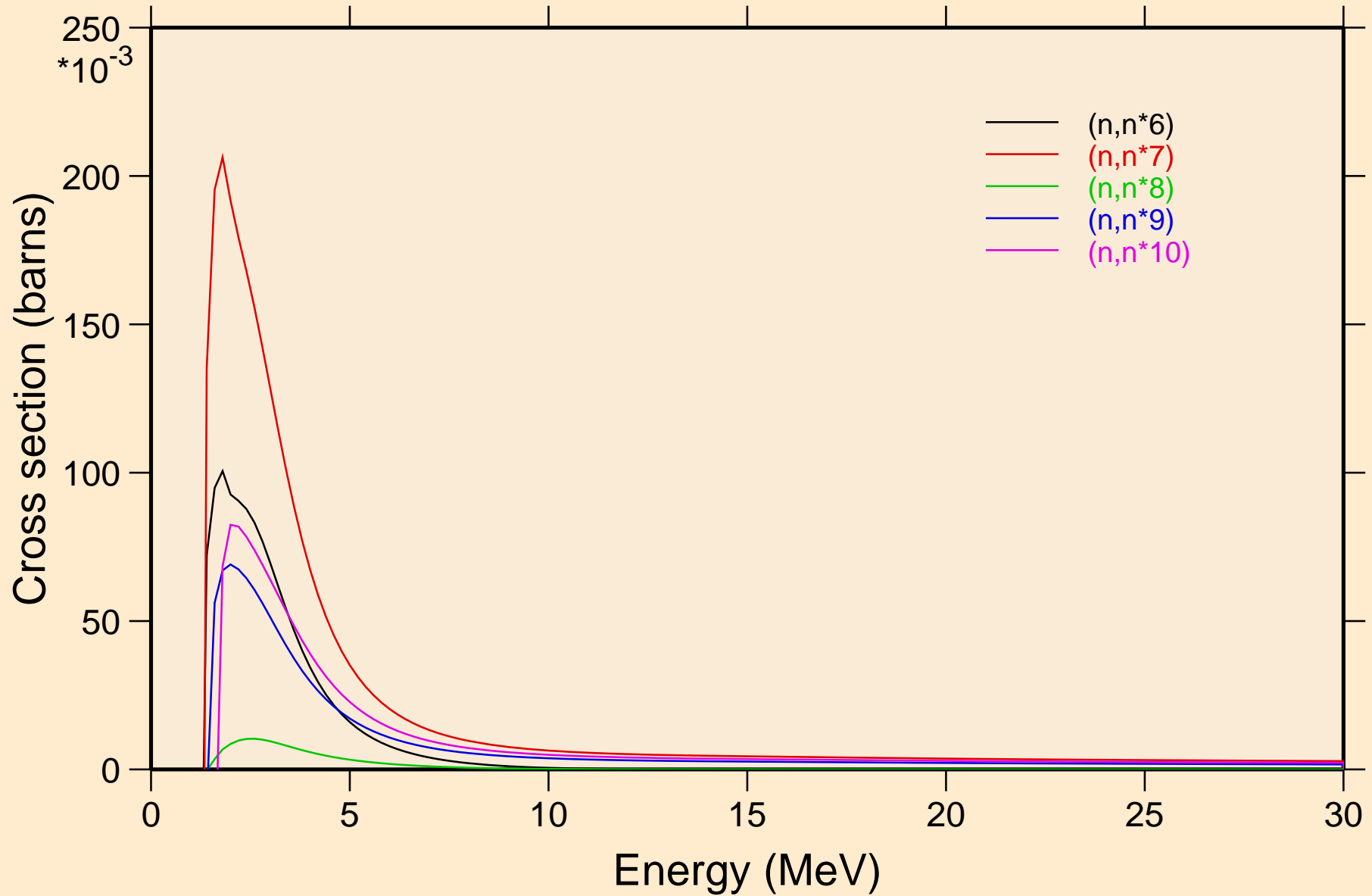


SC047 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



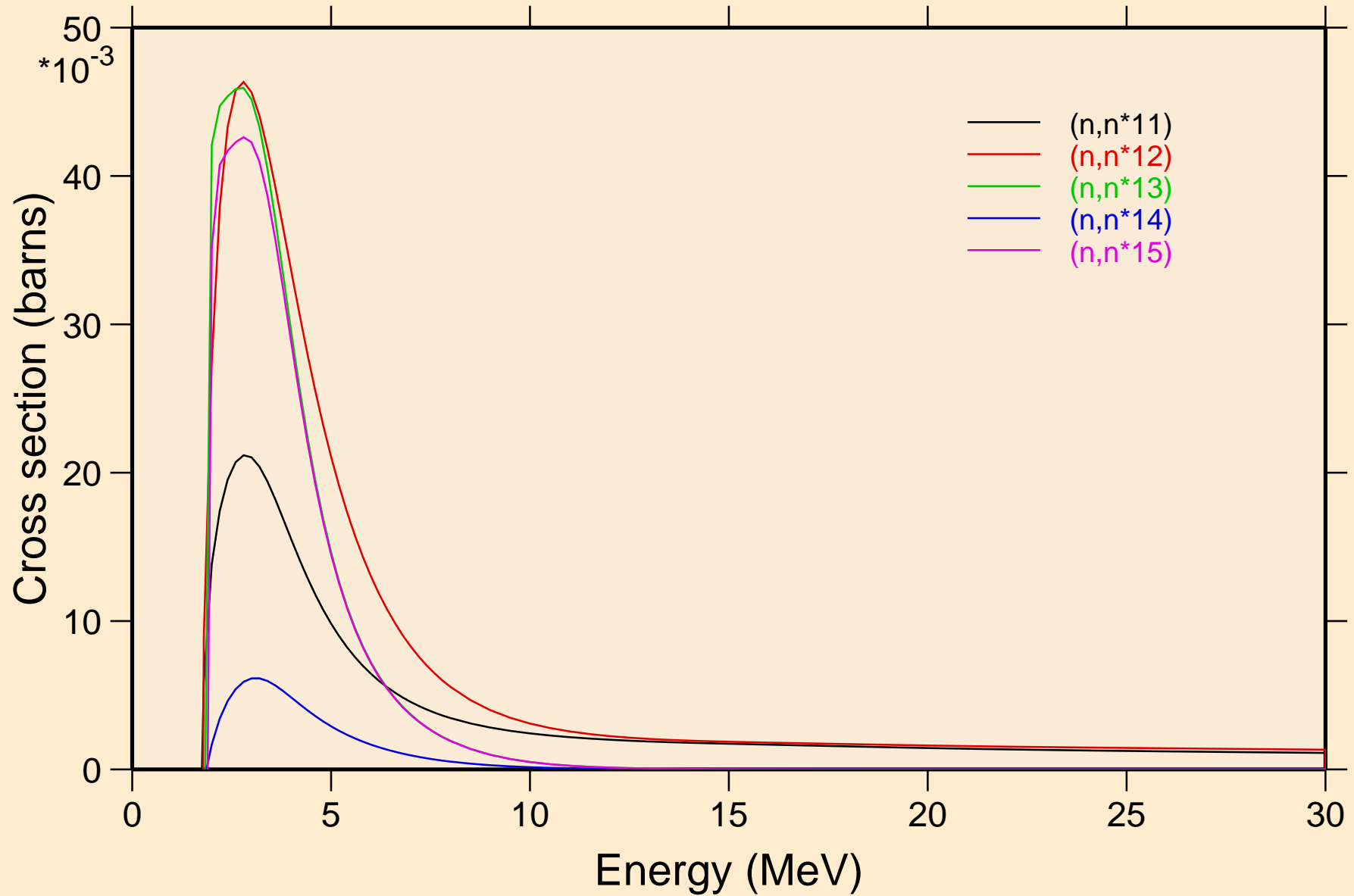
# SC047 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Inelastic levels

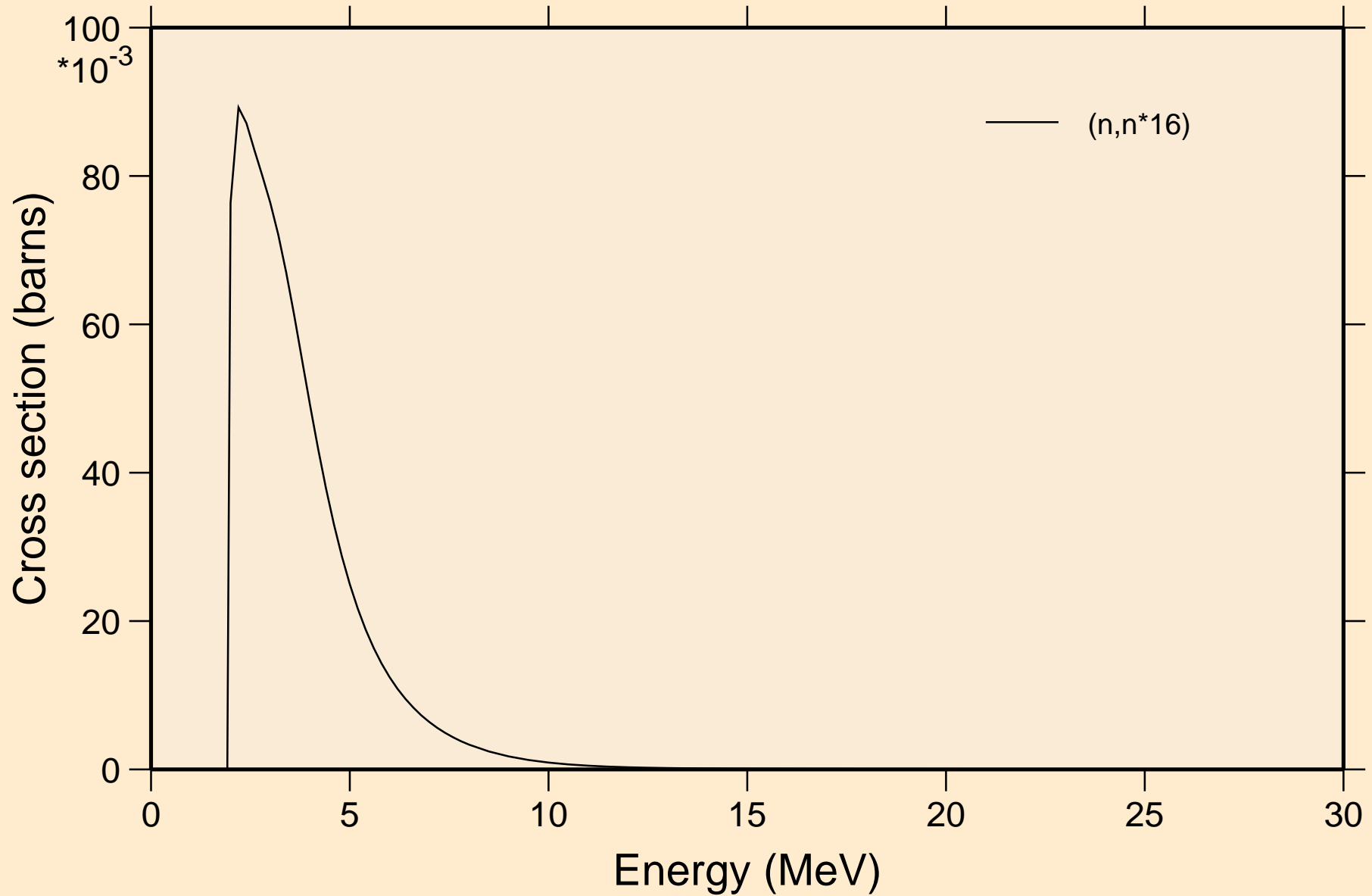




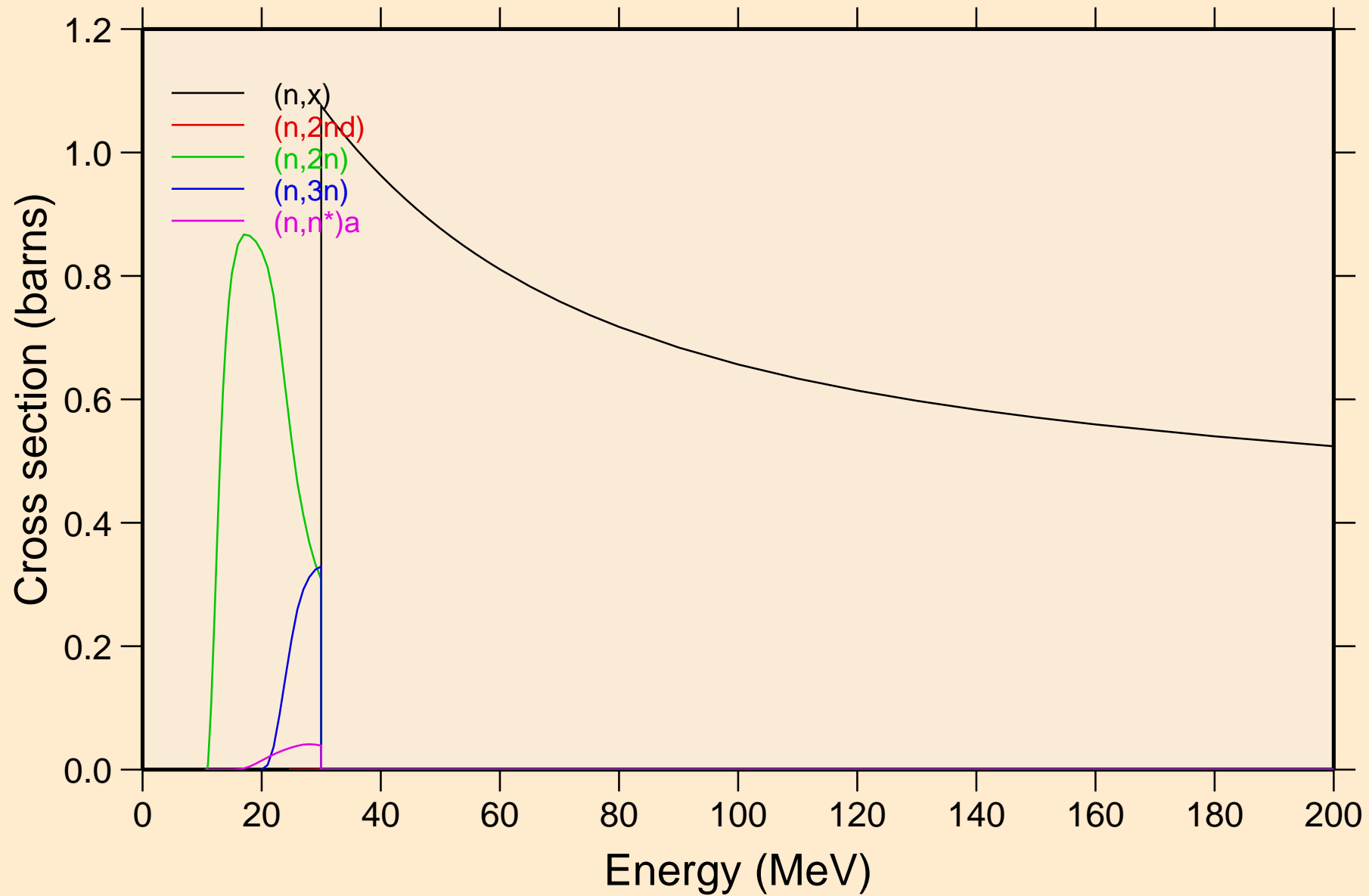
SC047 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



SC047 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

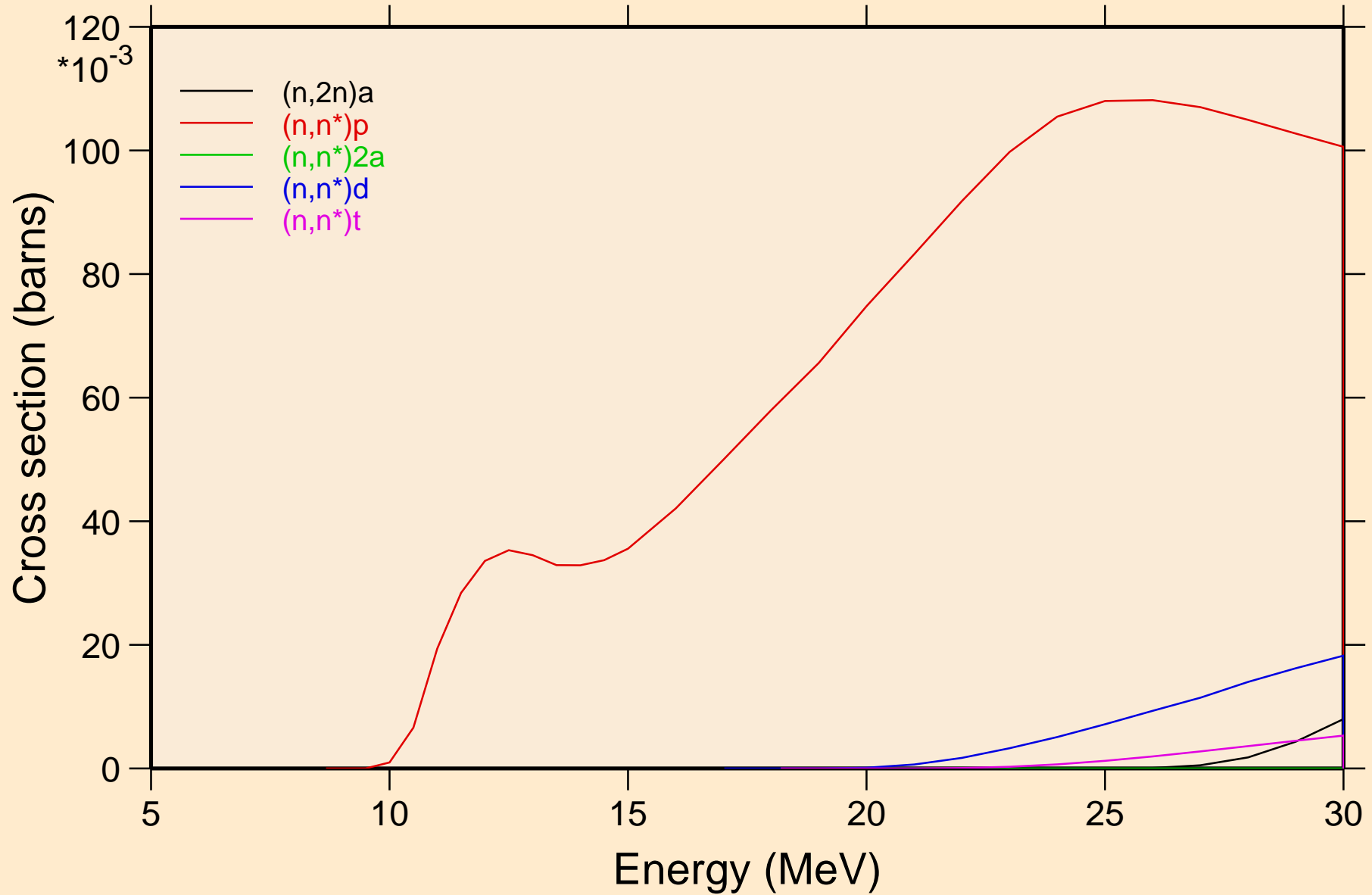


SC047 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



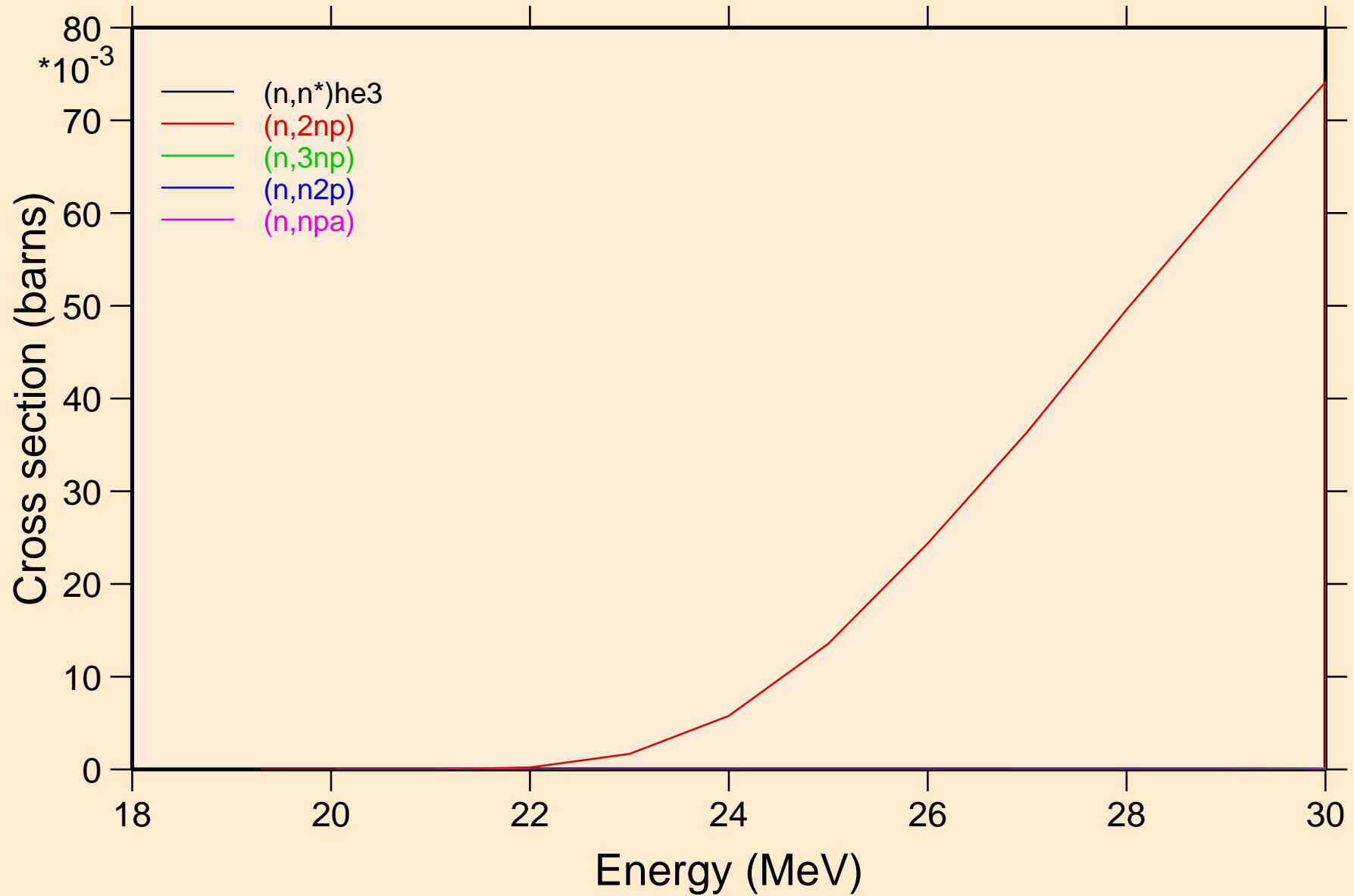
# SC047 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions

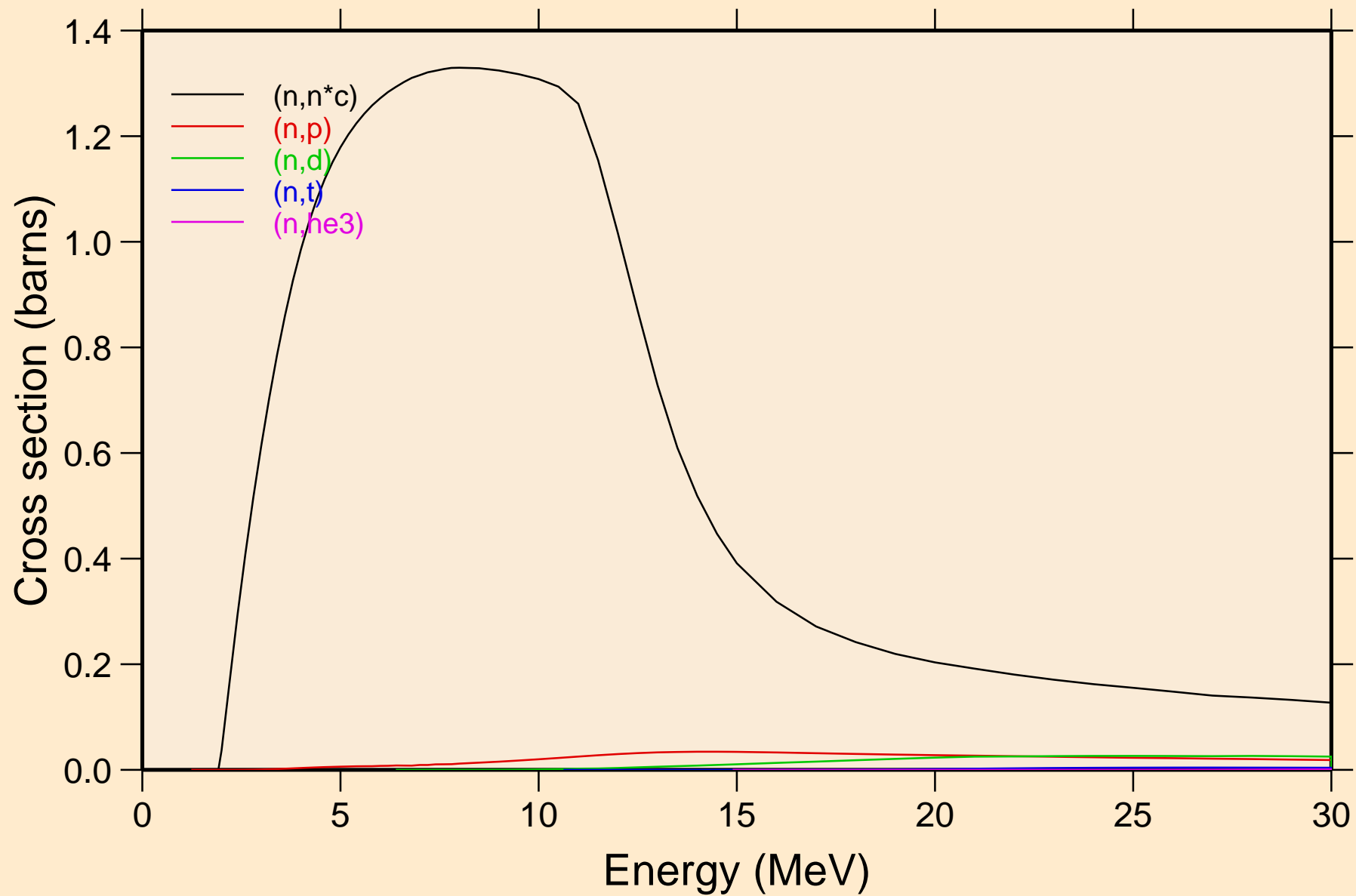


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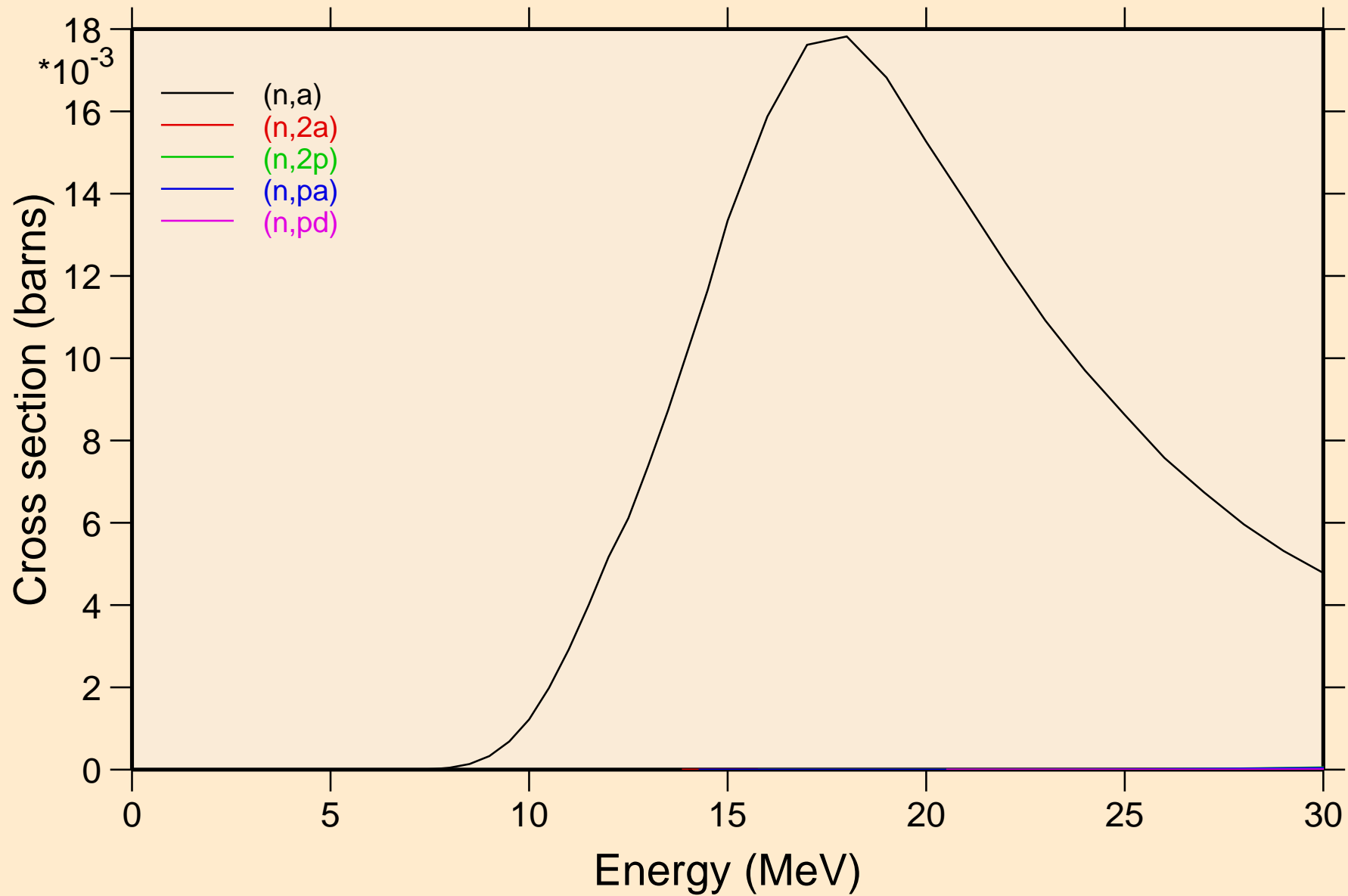
## Threshold reactions



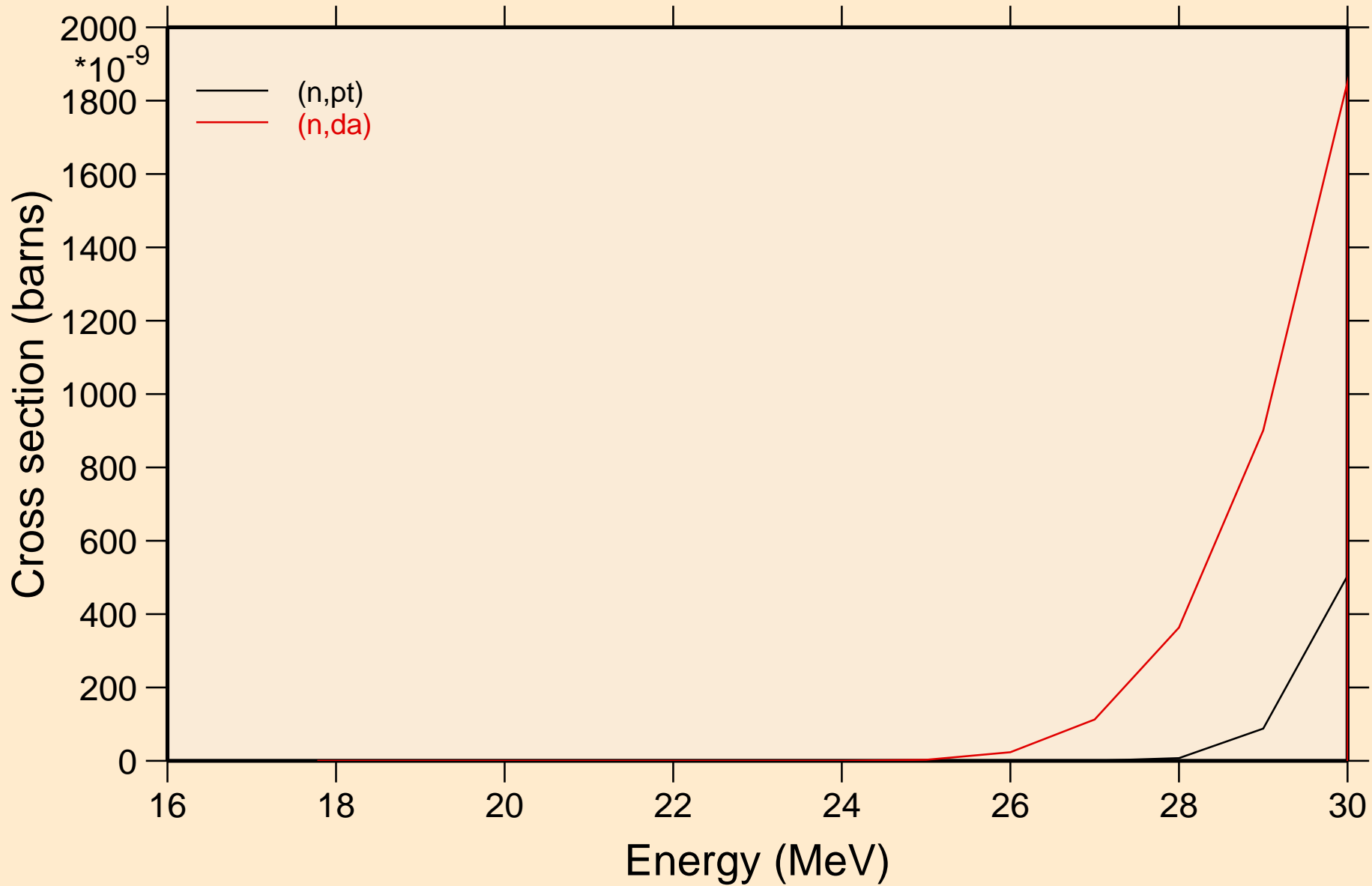
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Threshold reactions



SC047 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



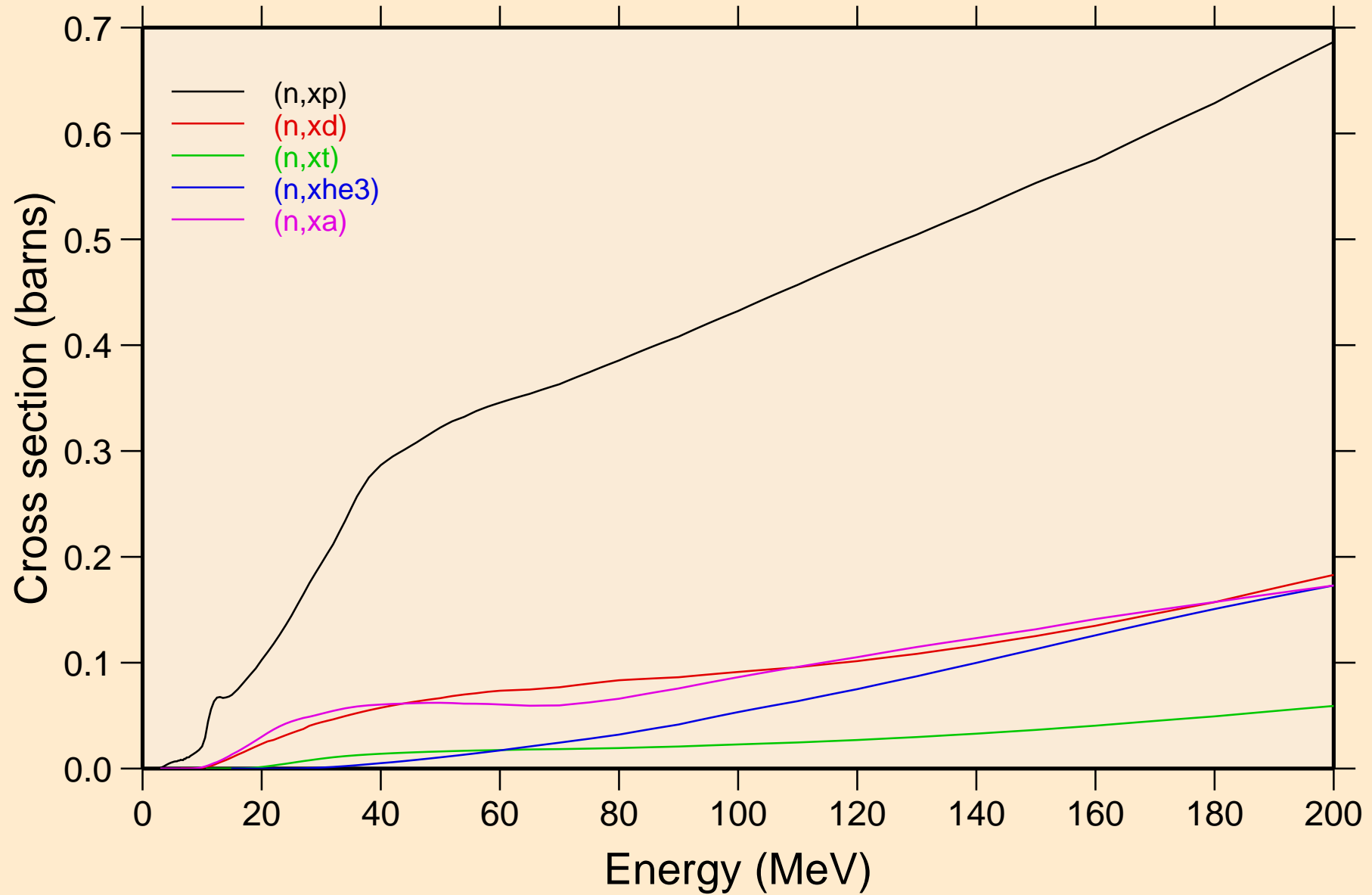
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Threshold reactions



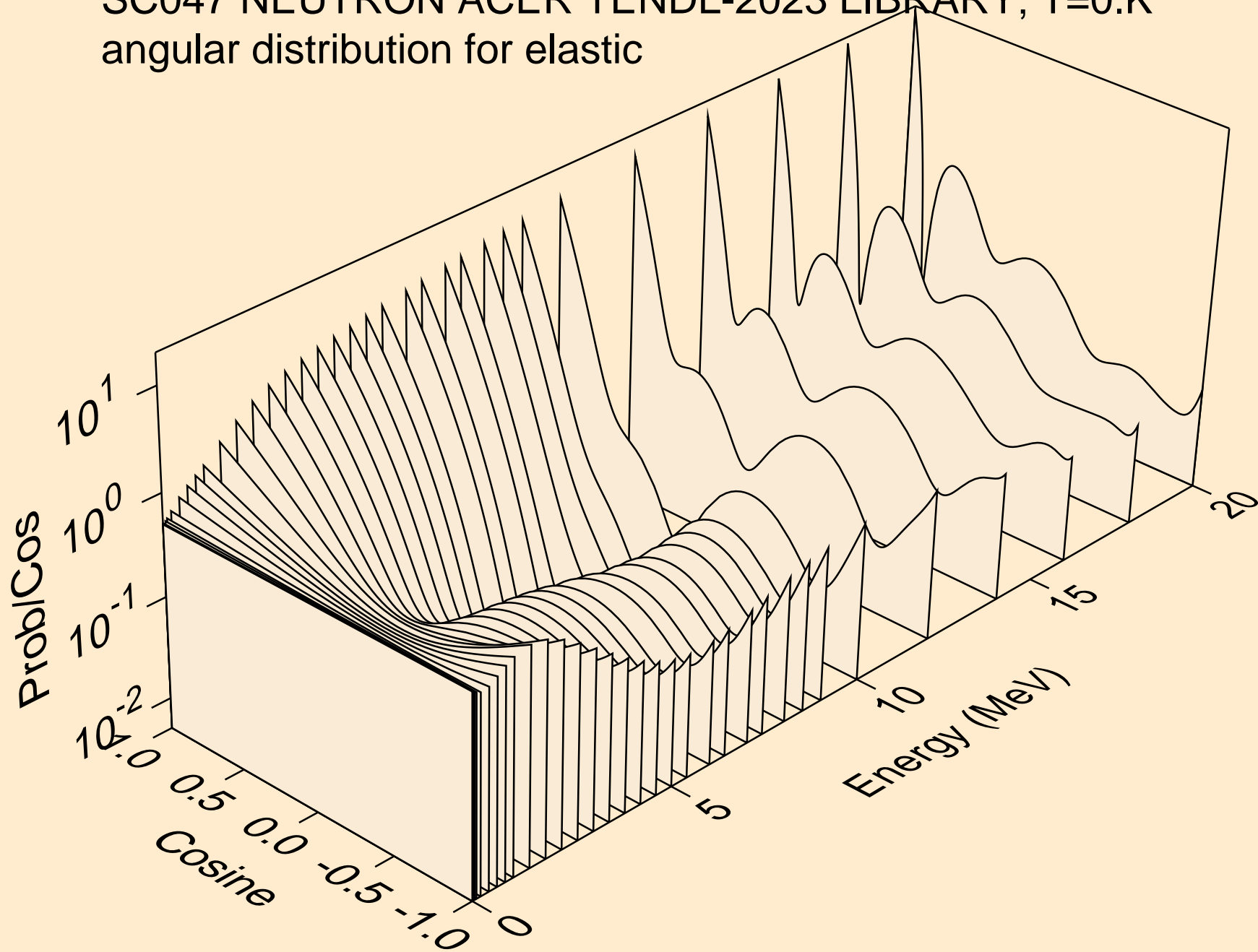


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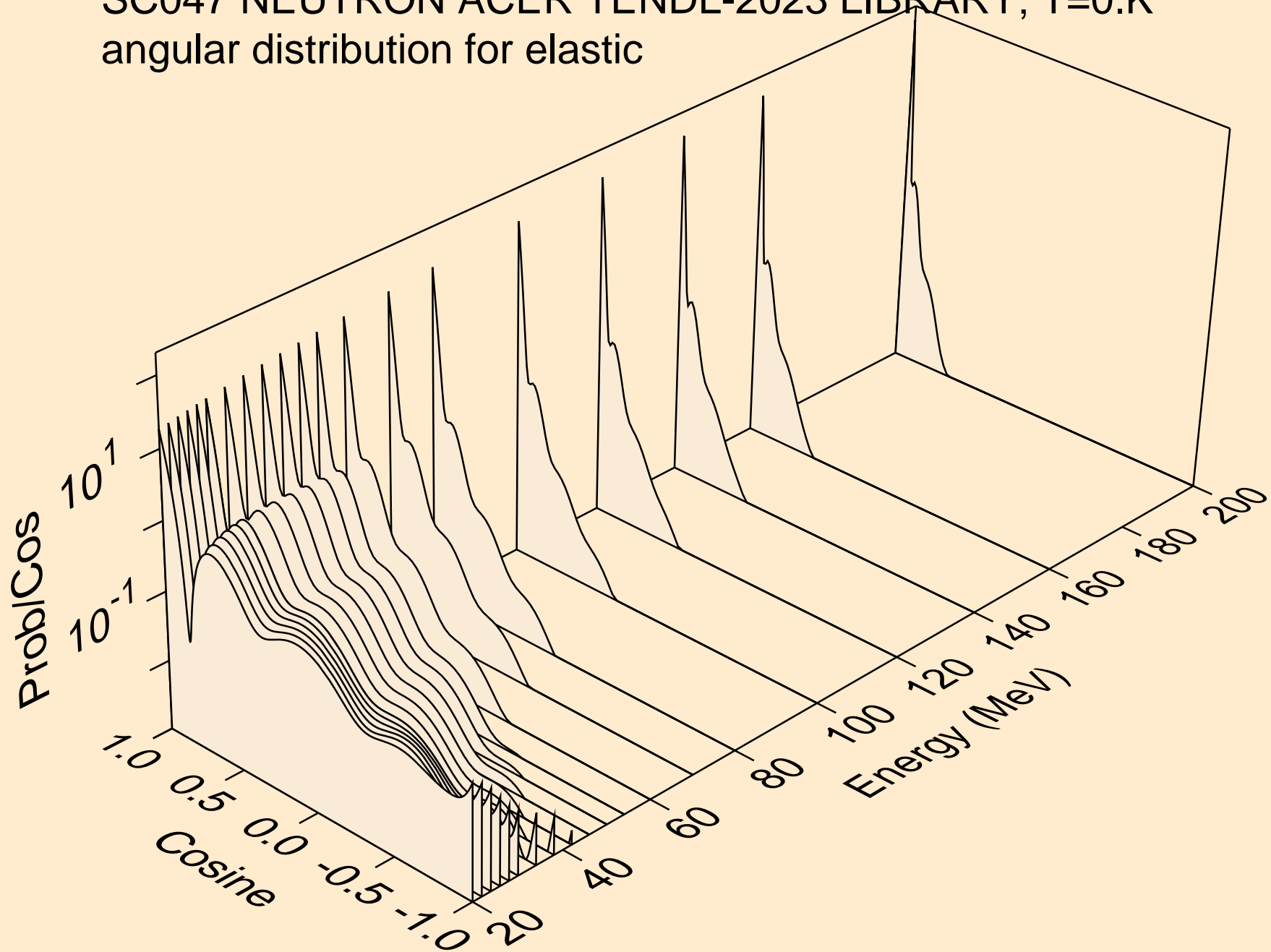
## Threshold reactions



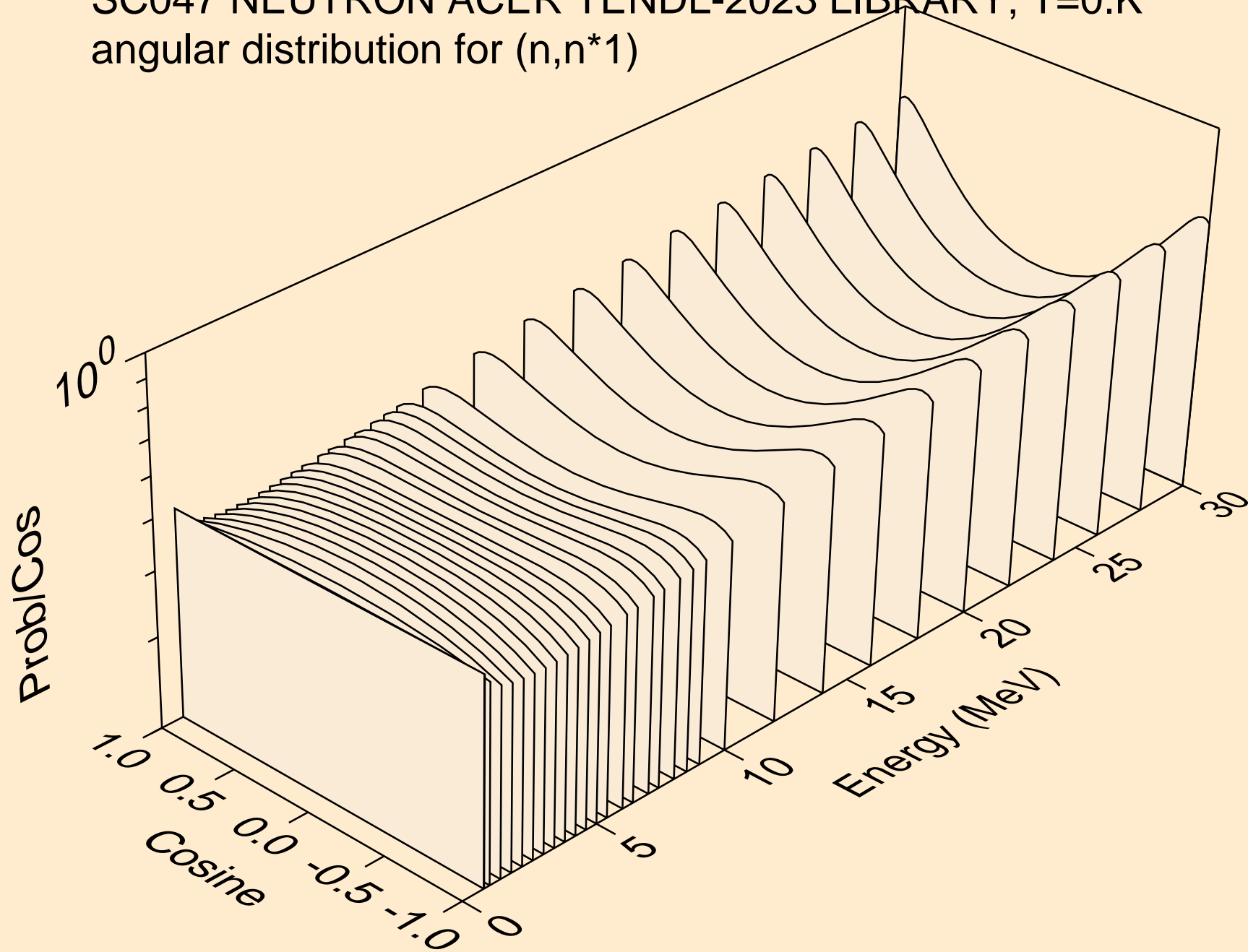
SC047 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



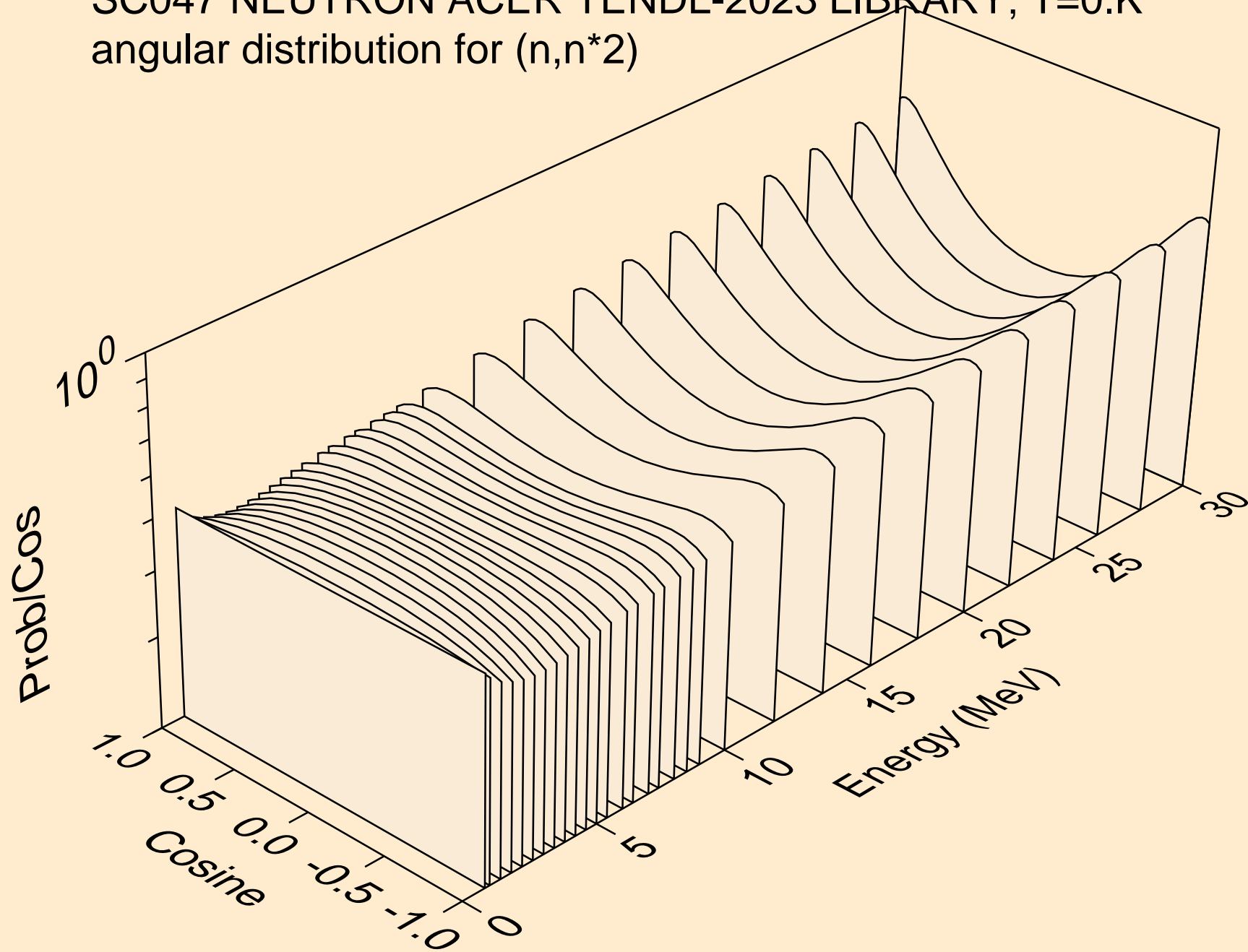
SC047 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



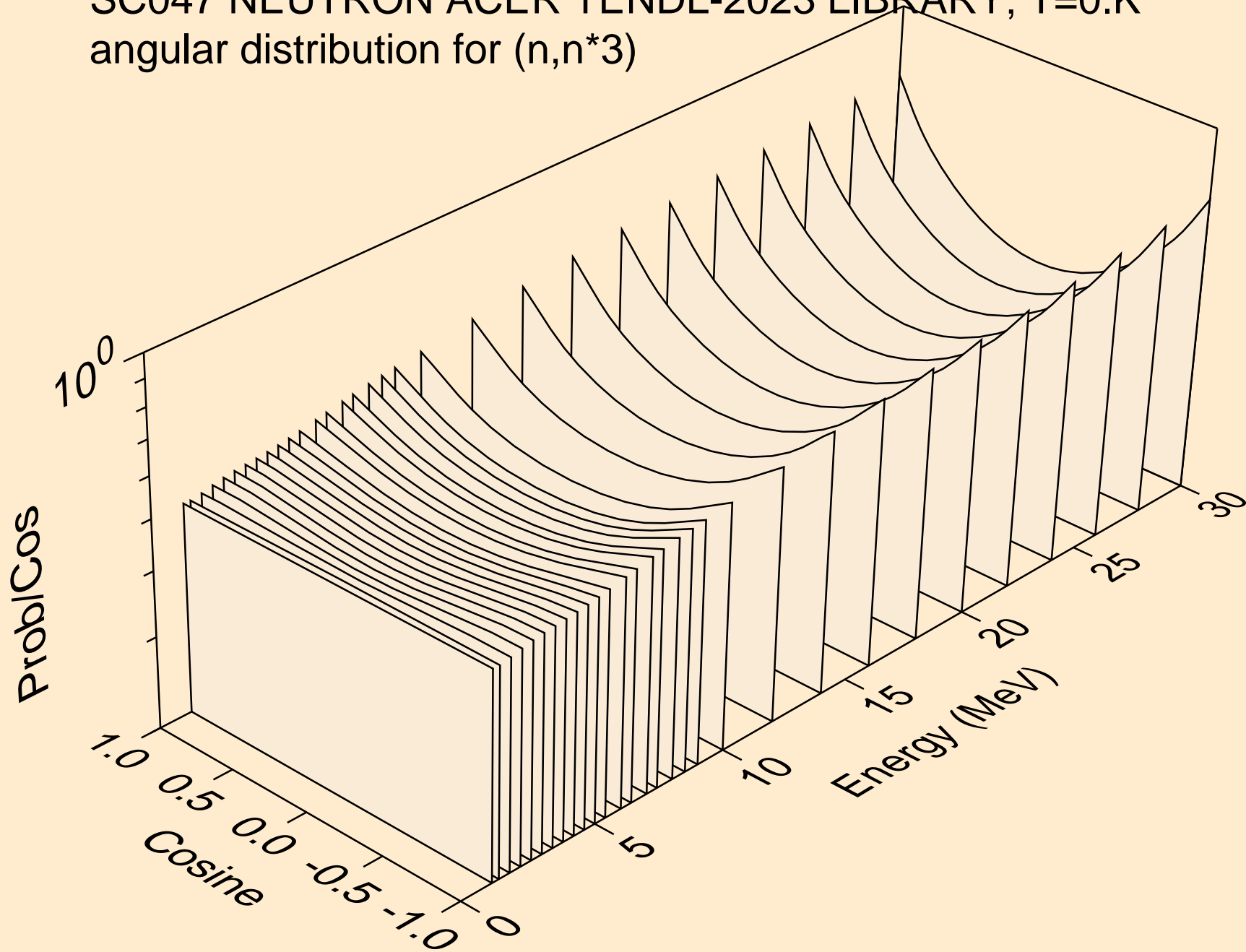
SC047 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



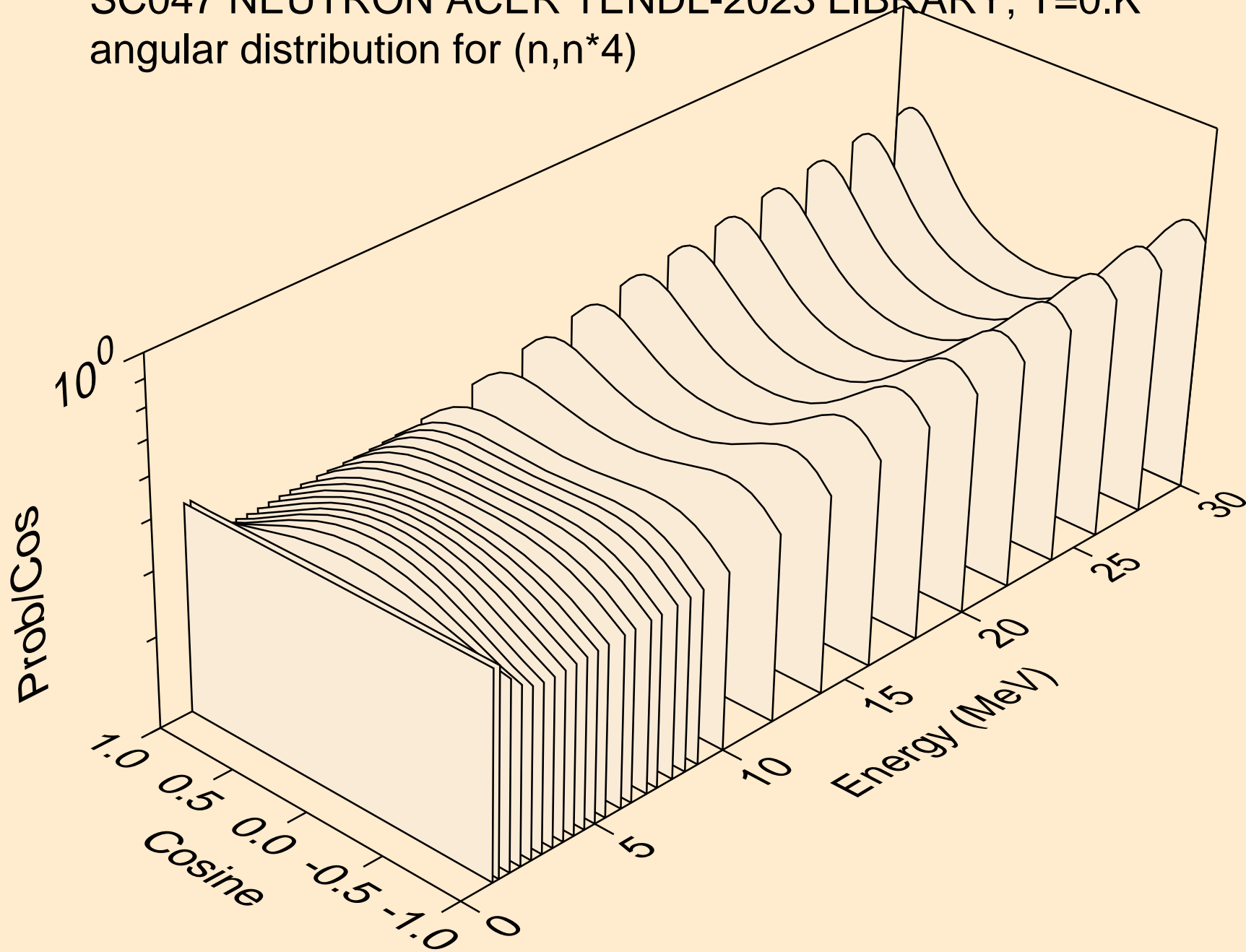
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angular distribution for (n,n\*2)



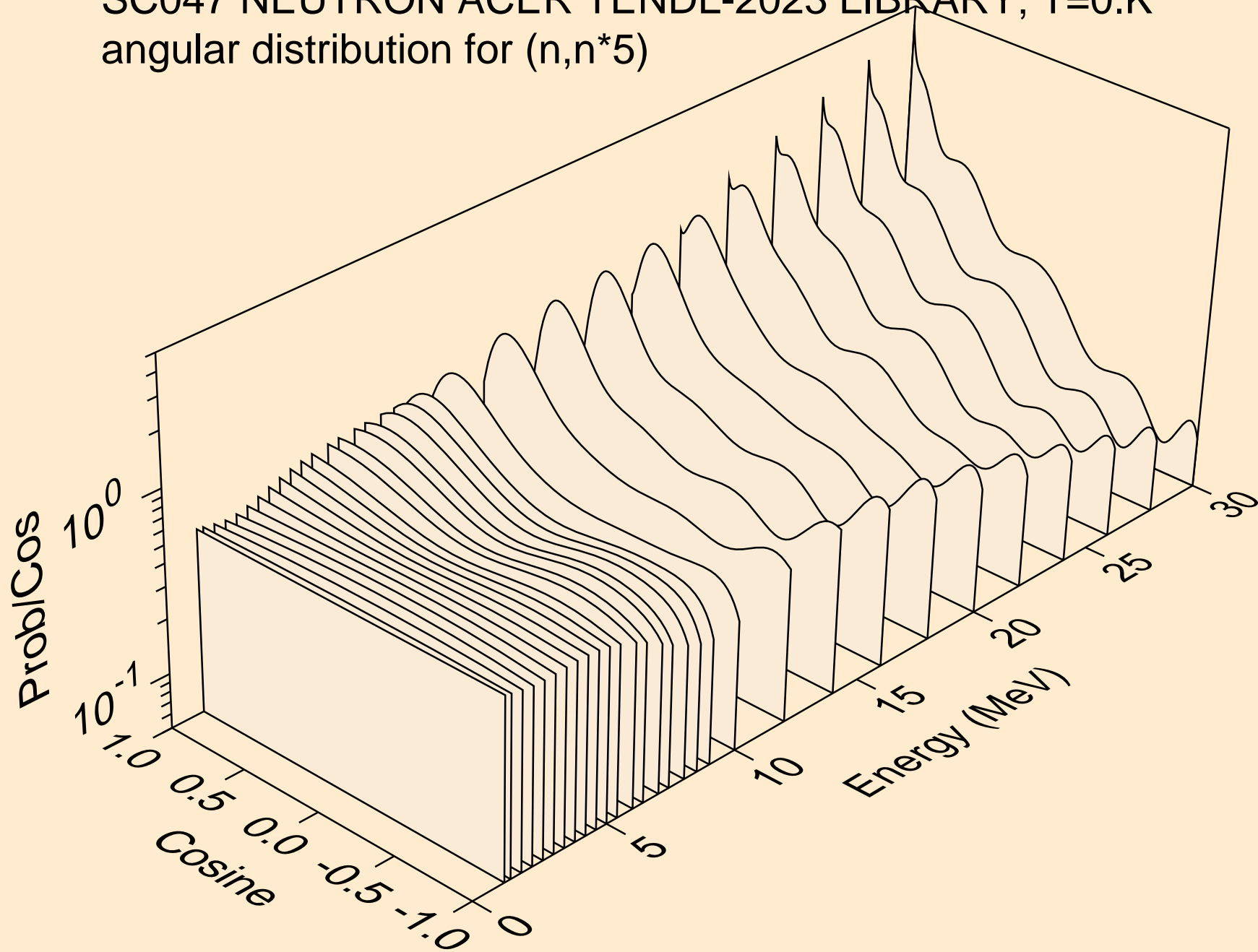
SC047 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*3)



SC047 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*4)

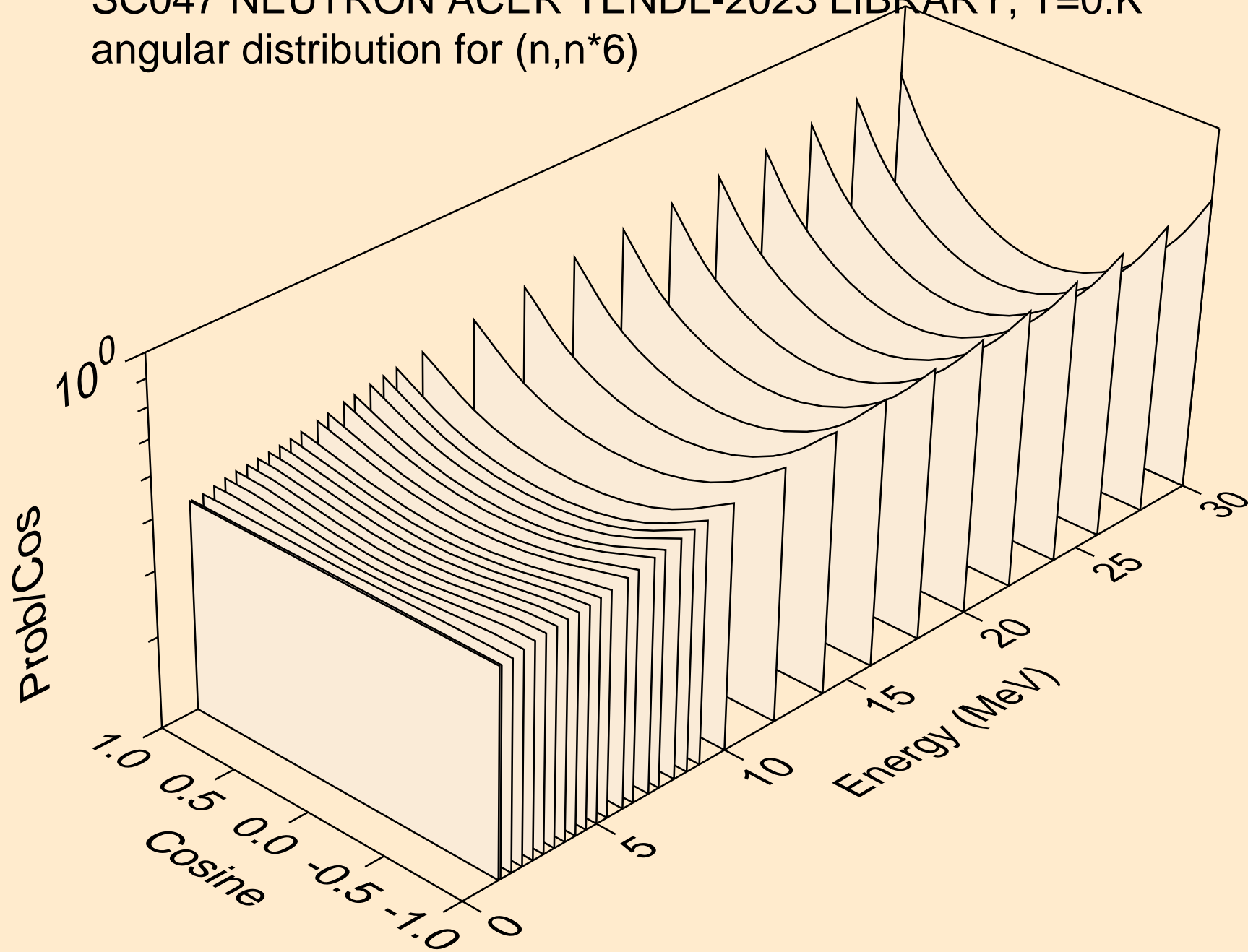


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angular distribution for (n,n\*5)

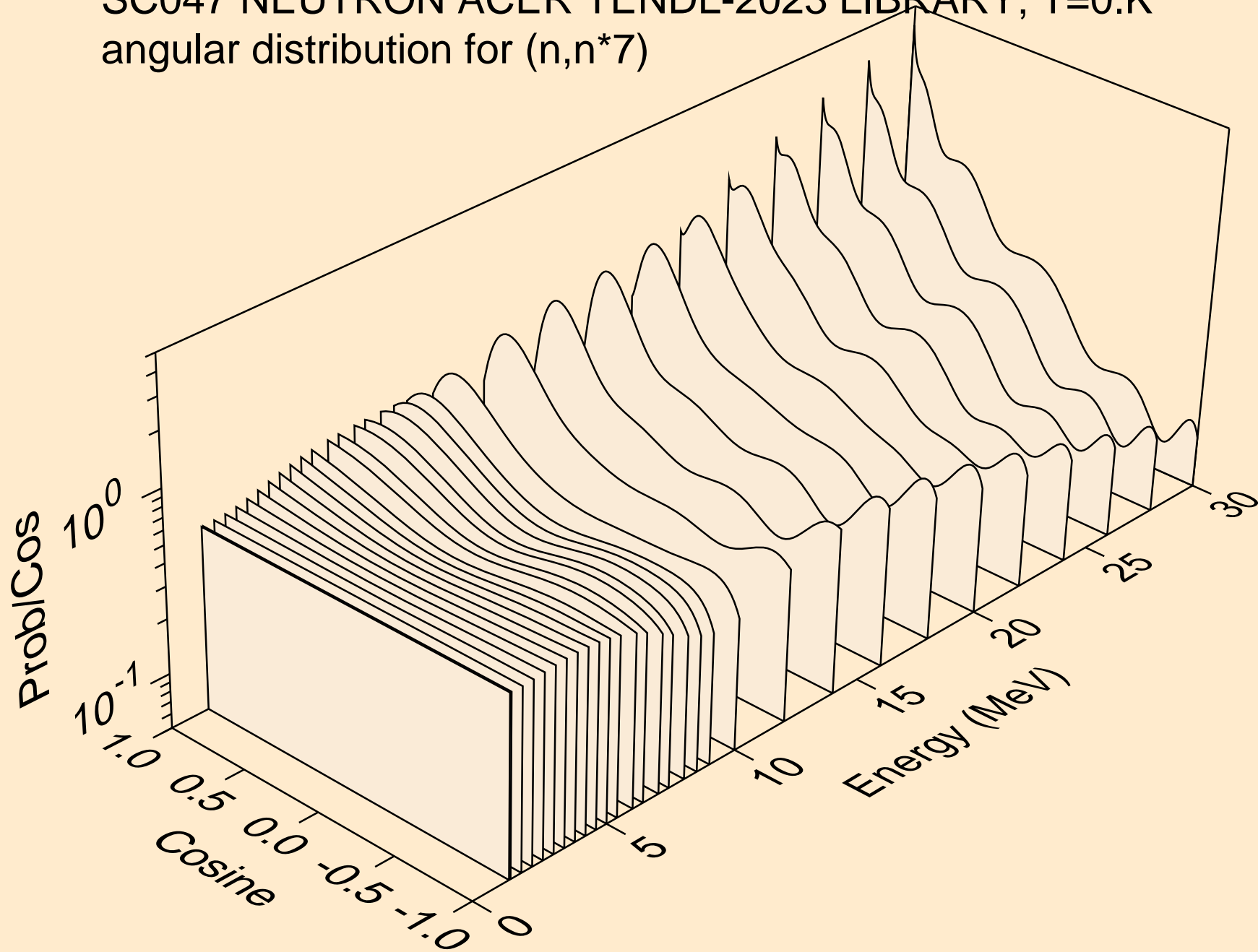




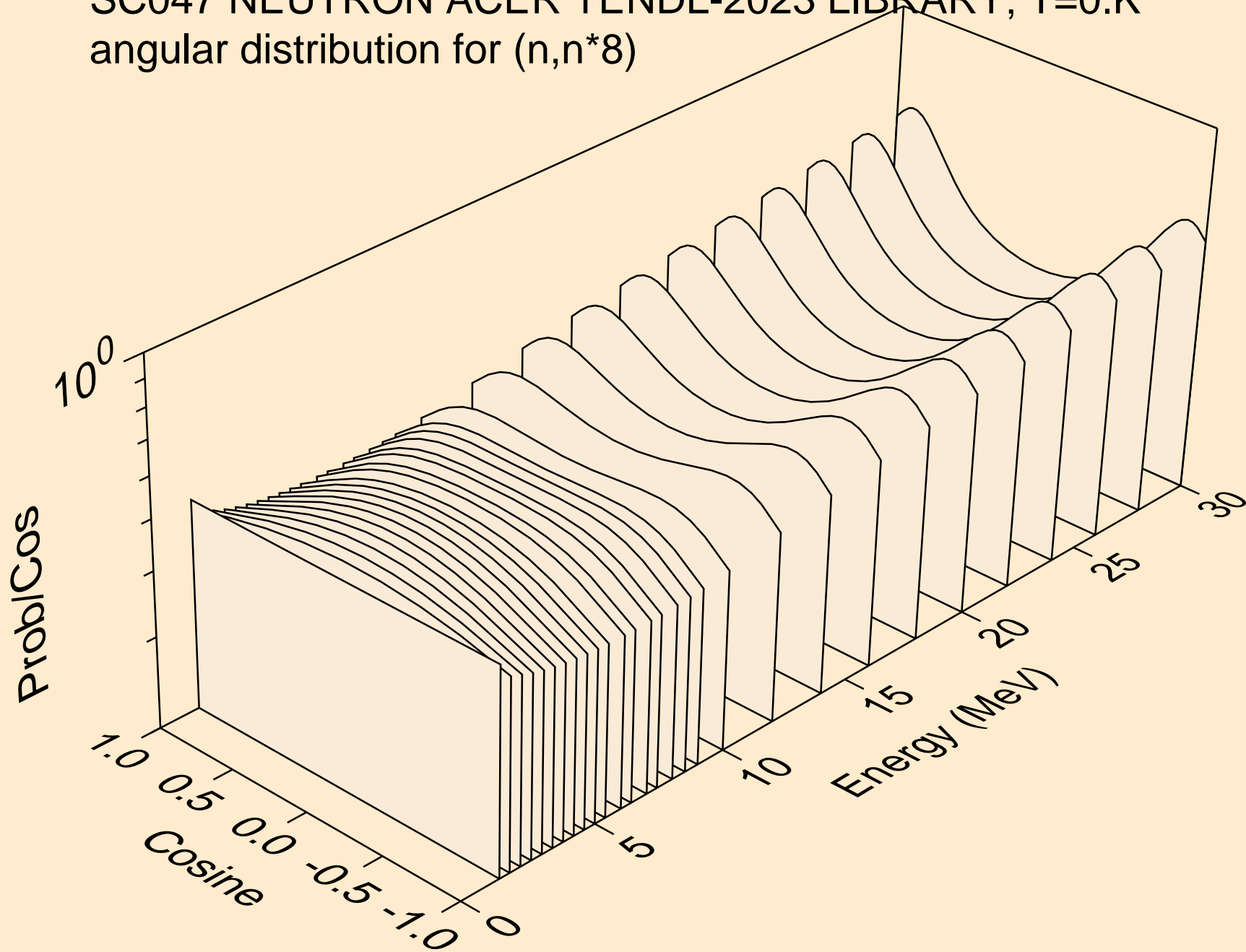
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angular distribution for (n,n\*6)



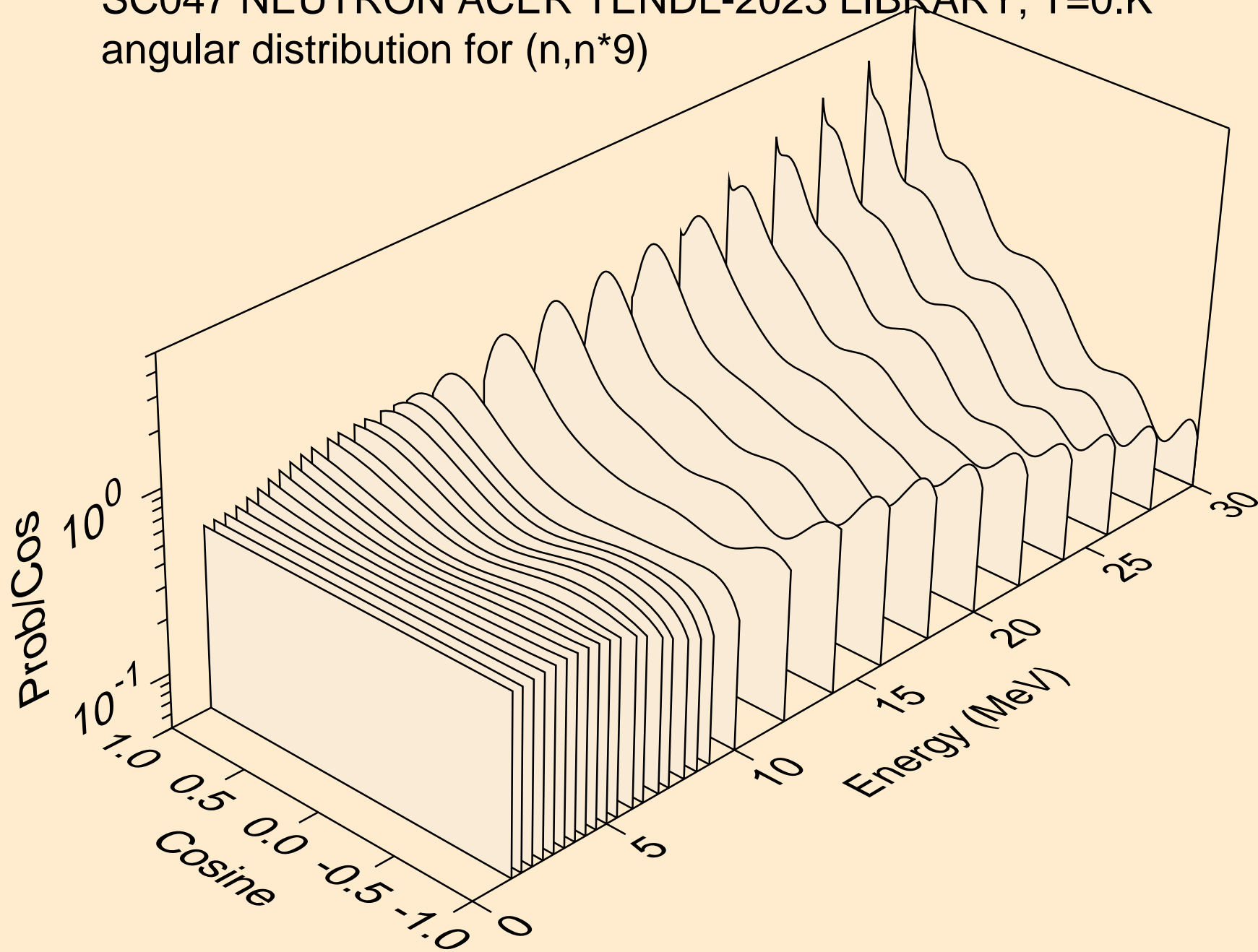
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angular distribution for (n,n\*7)



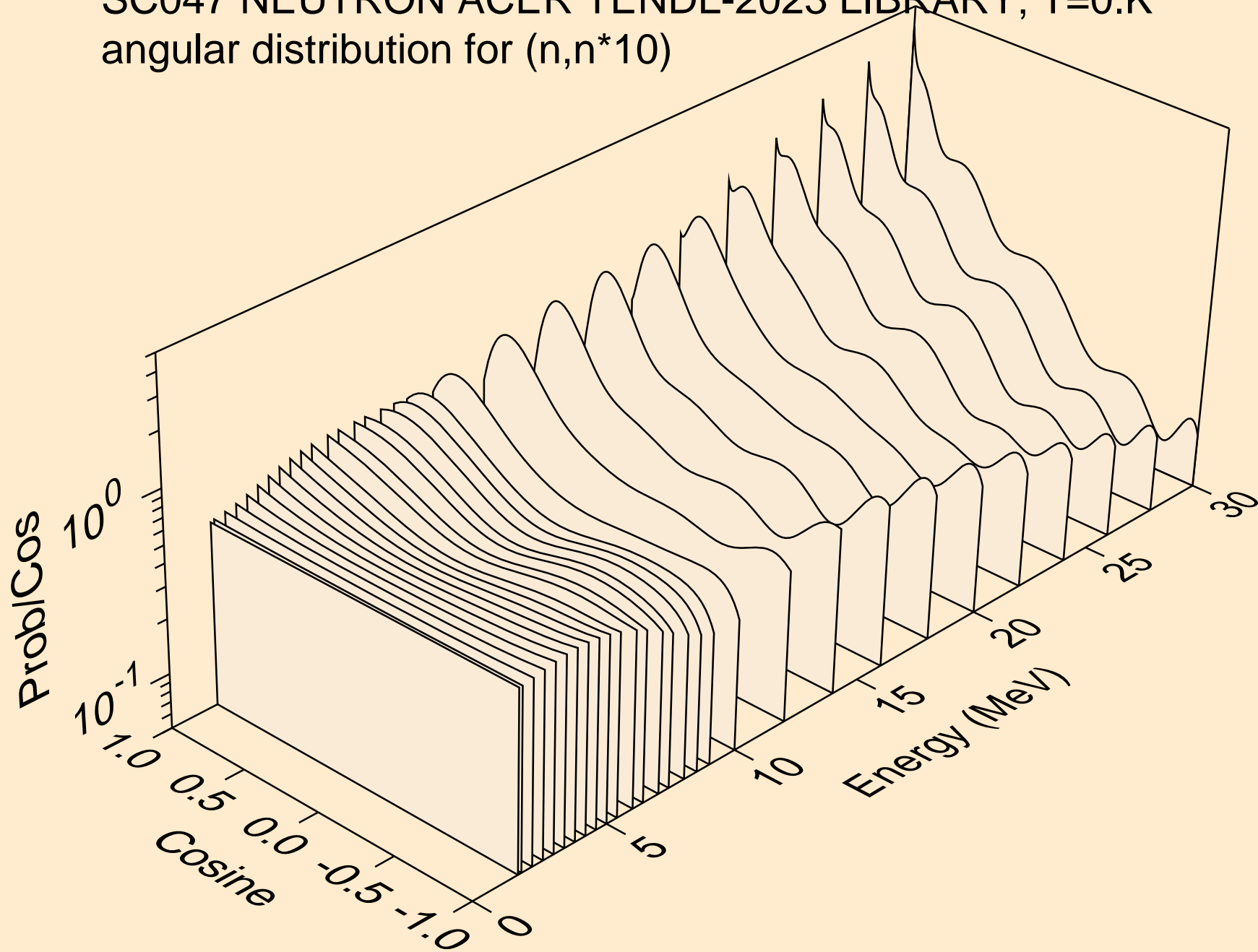
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angular distribution for (n,n\*8)



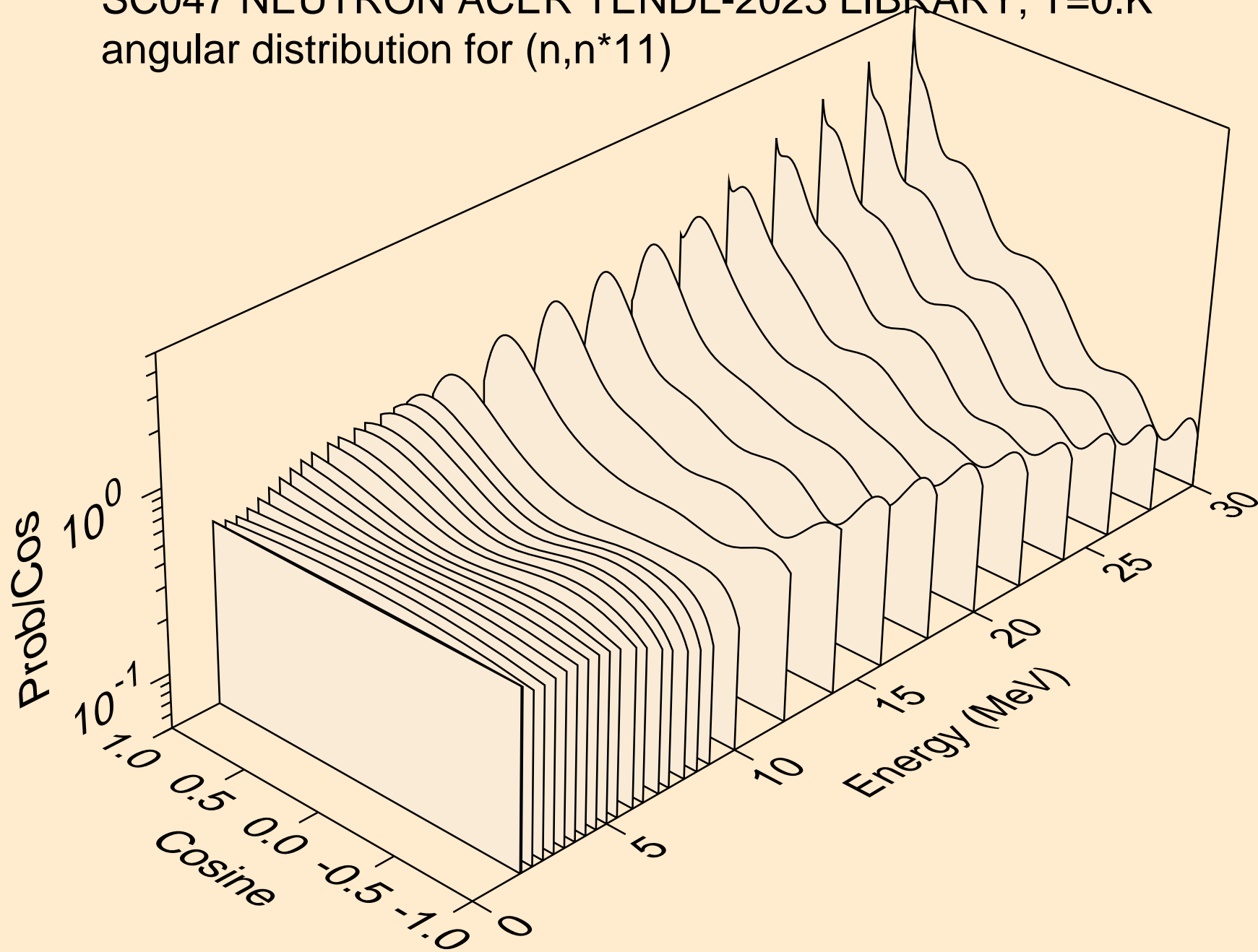
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angular distribution for (n,n\*9)



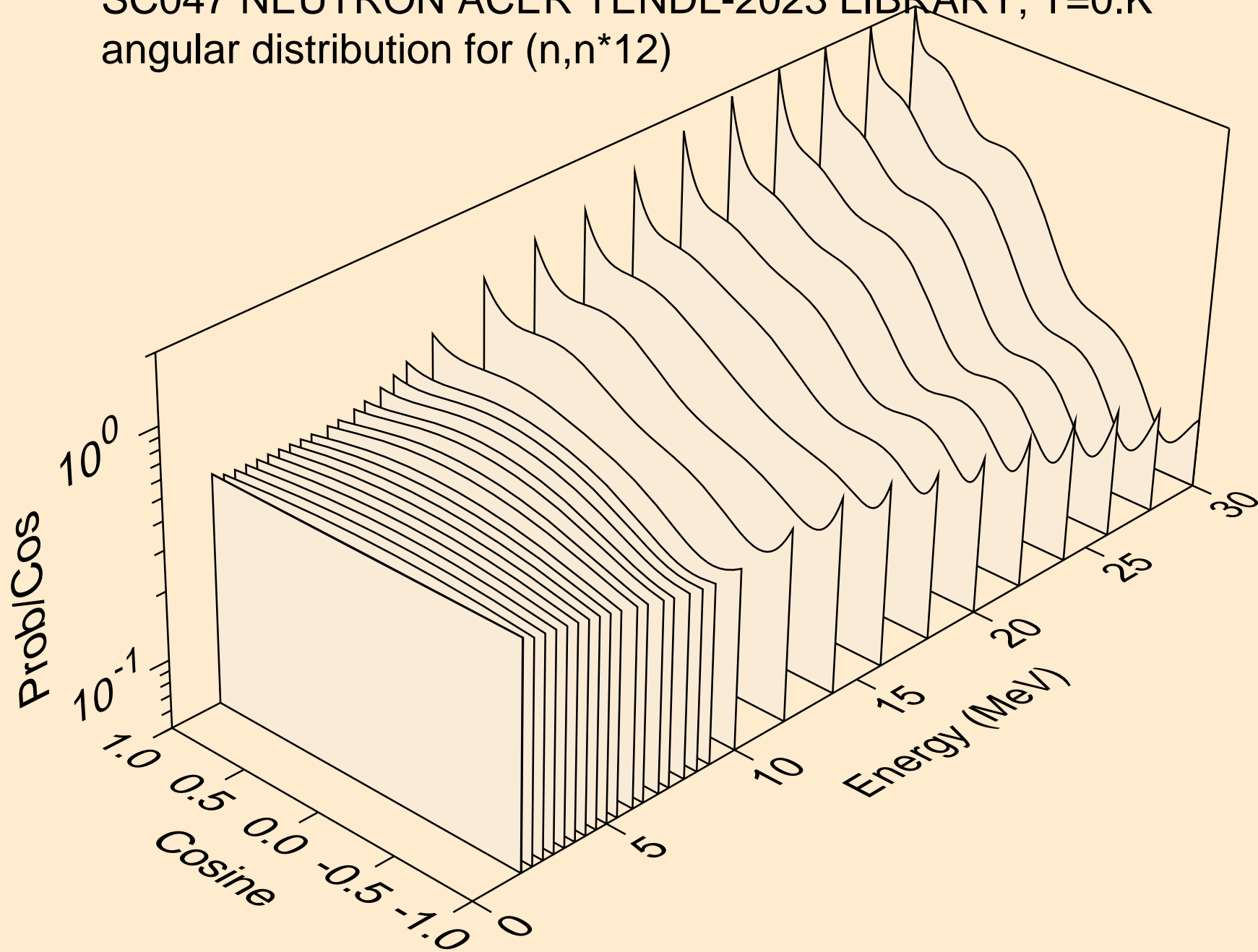
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angular distribution for (n,n\*10)



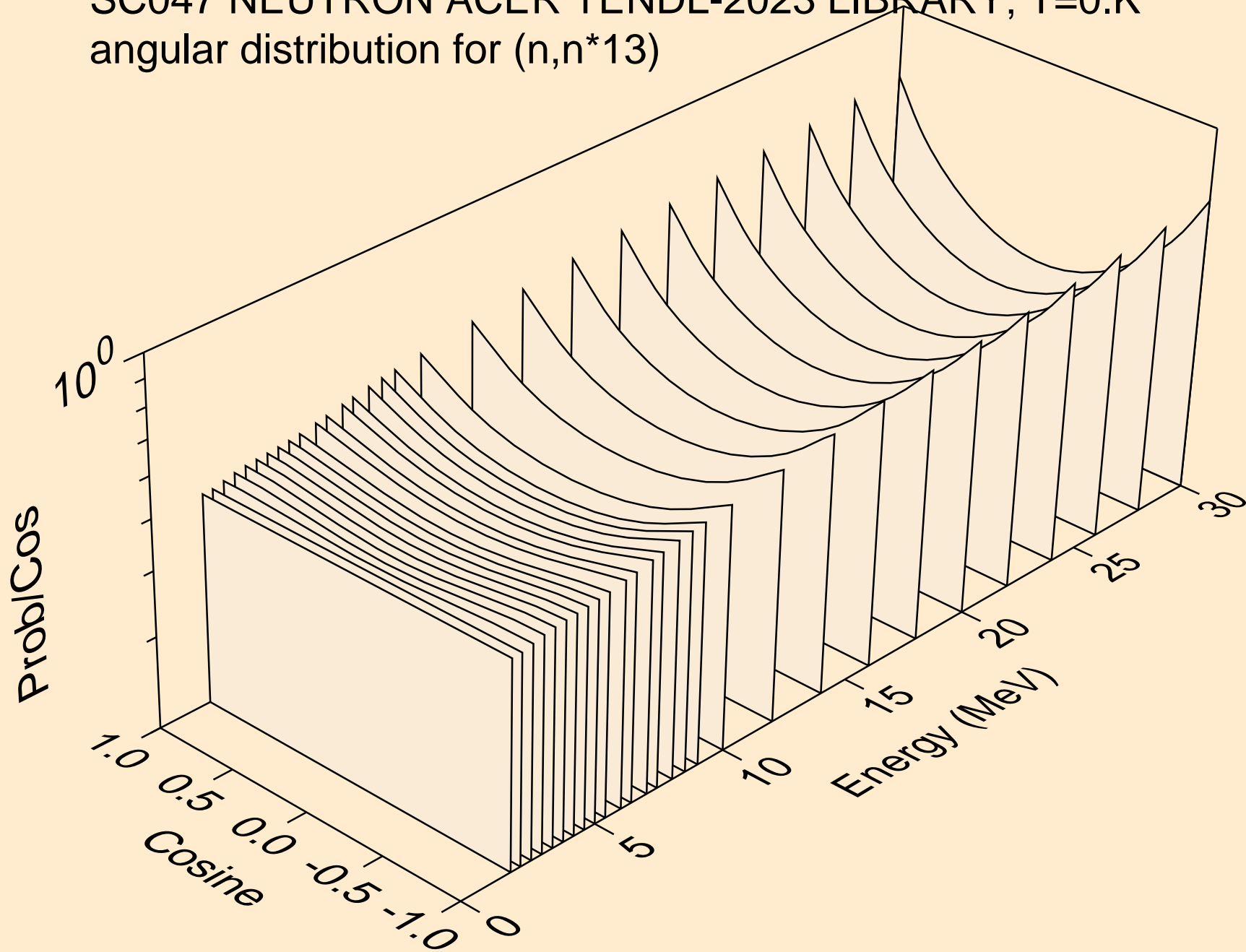
SC047 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*11)



SC047 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*12)

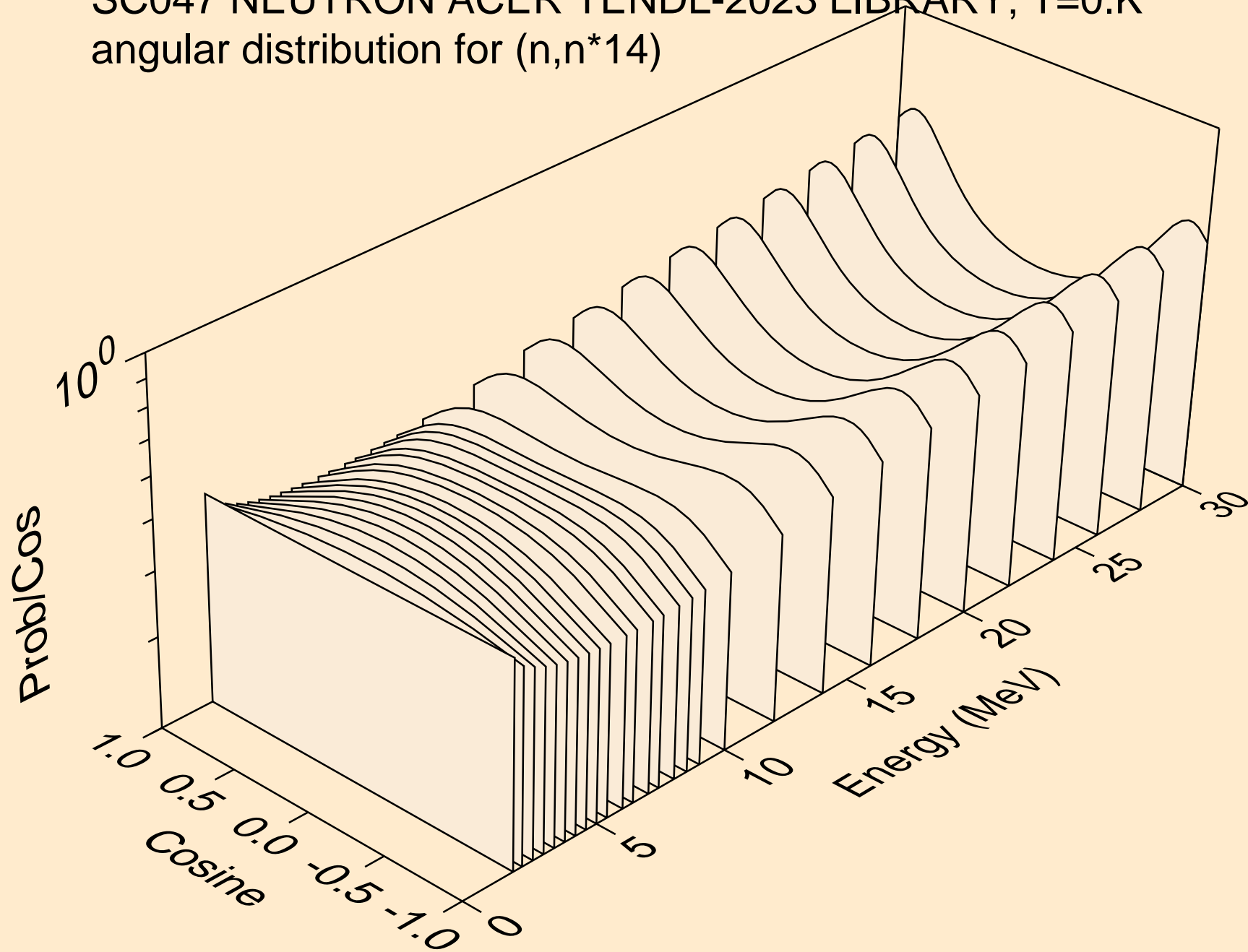


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angular distribution for (n,n\*13)

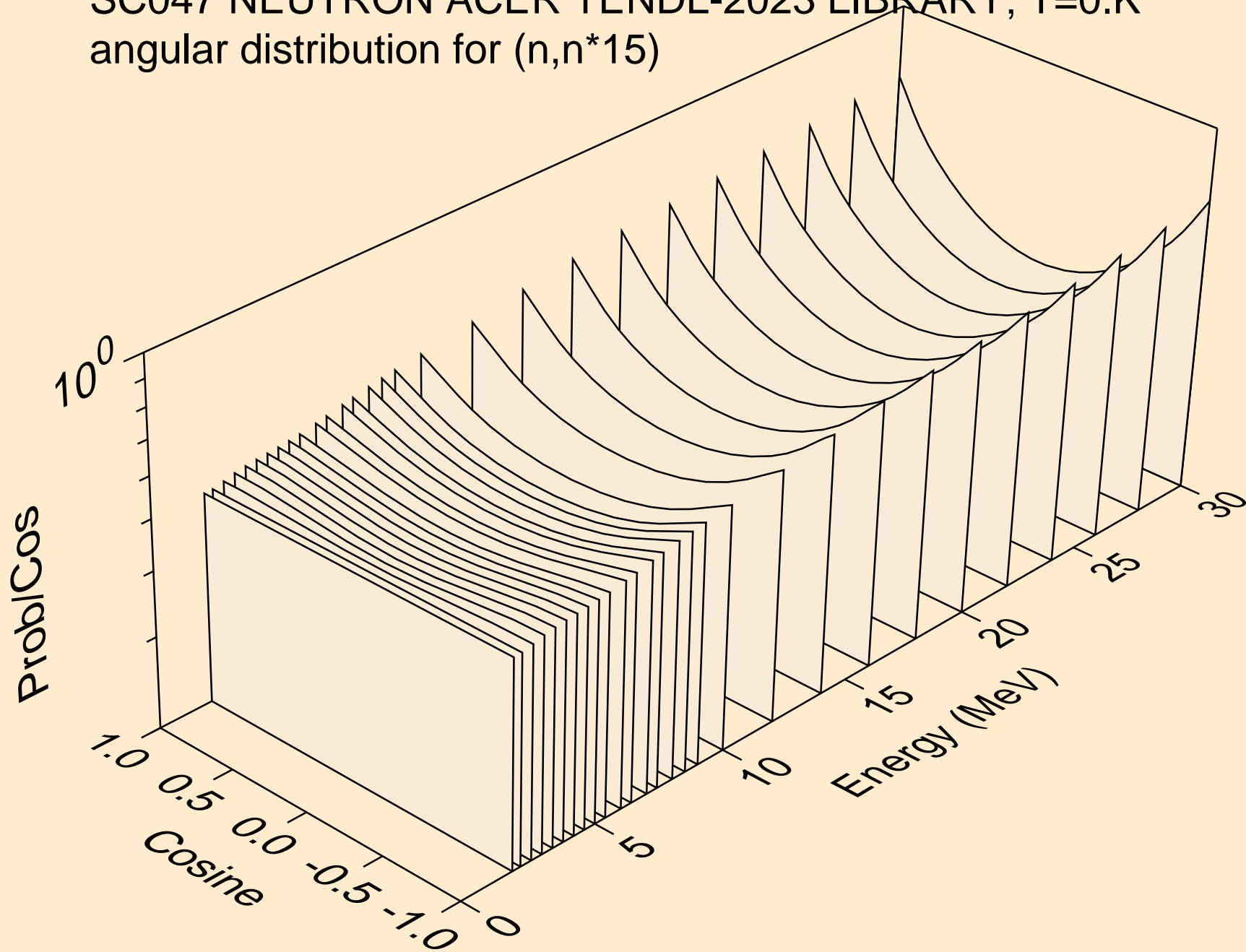




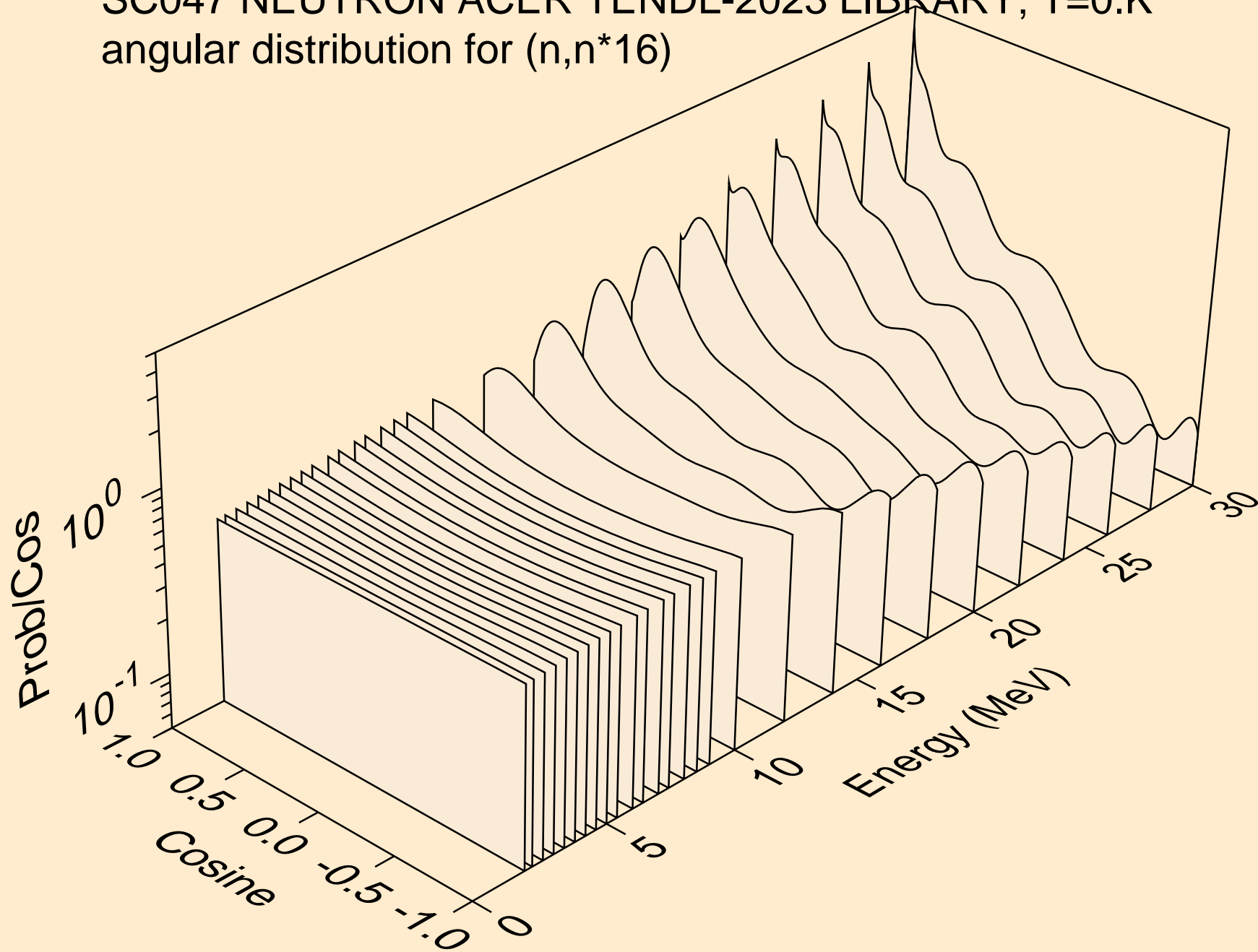
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angular distribution for (n,n\*14)



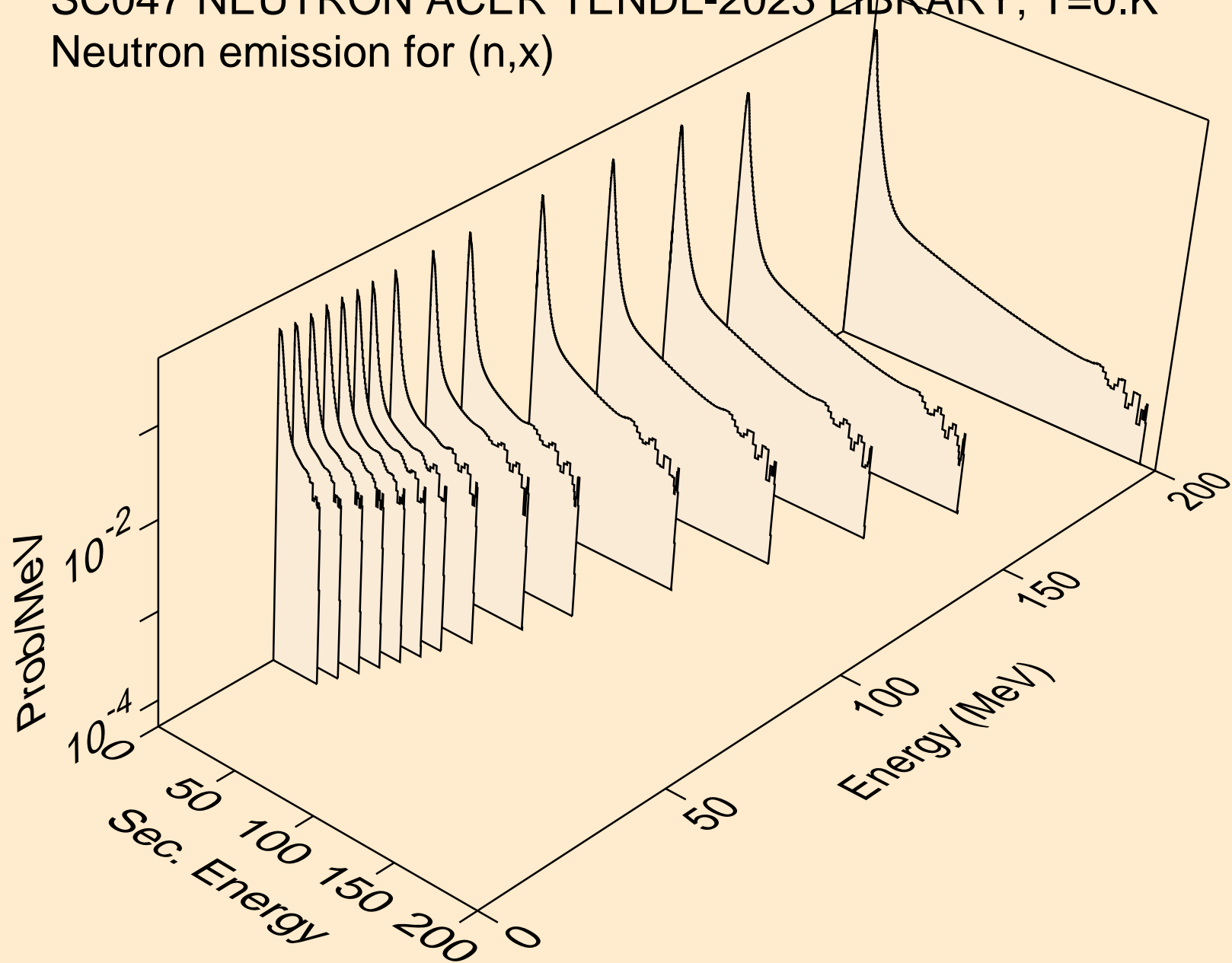
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angular distribution for (n,n\*15)



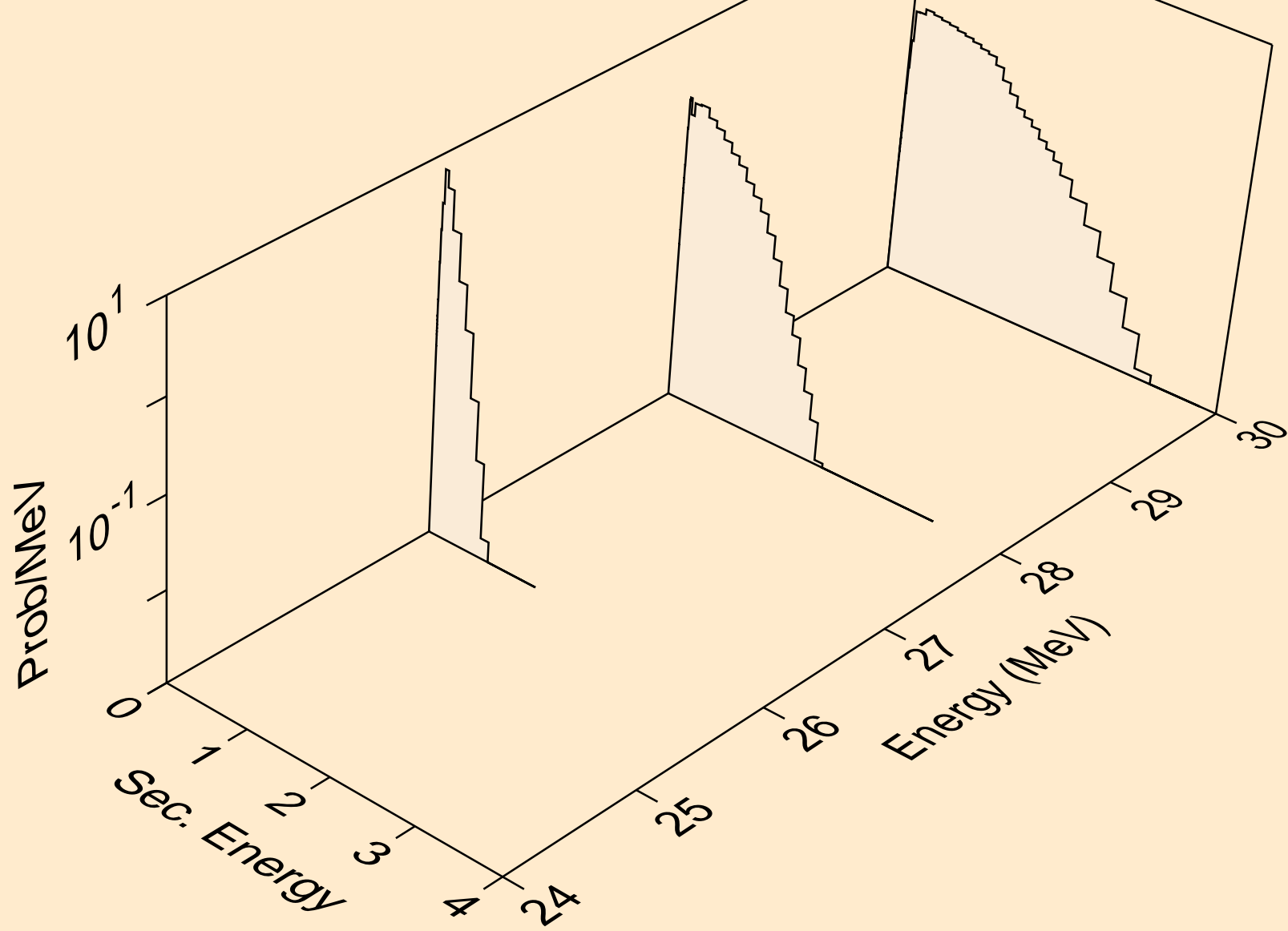
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angular distribution for (n,n\*16)



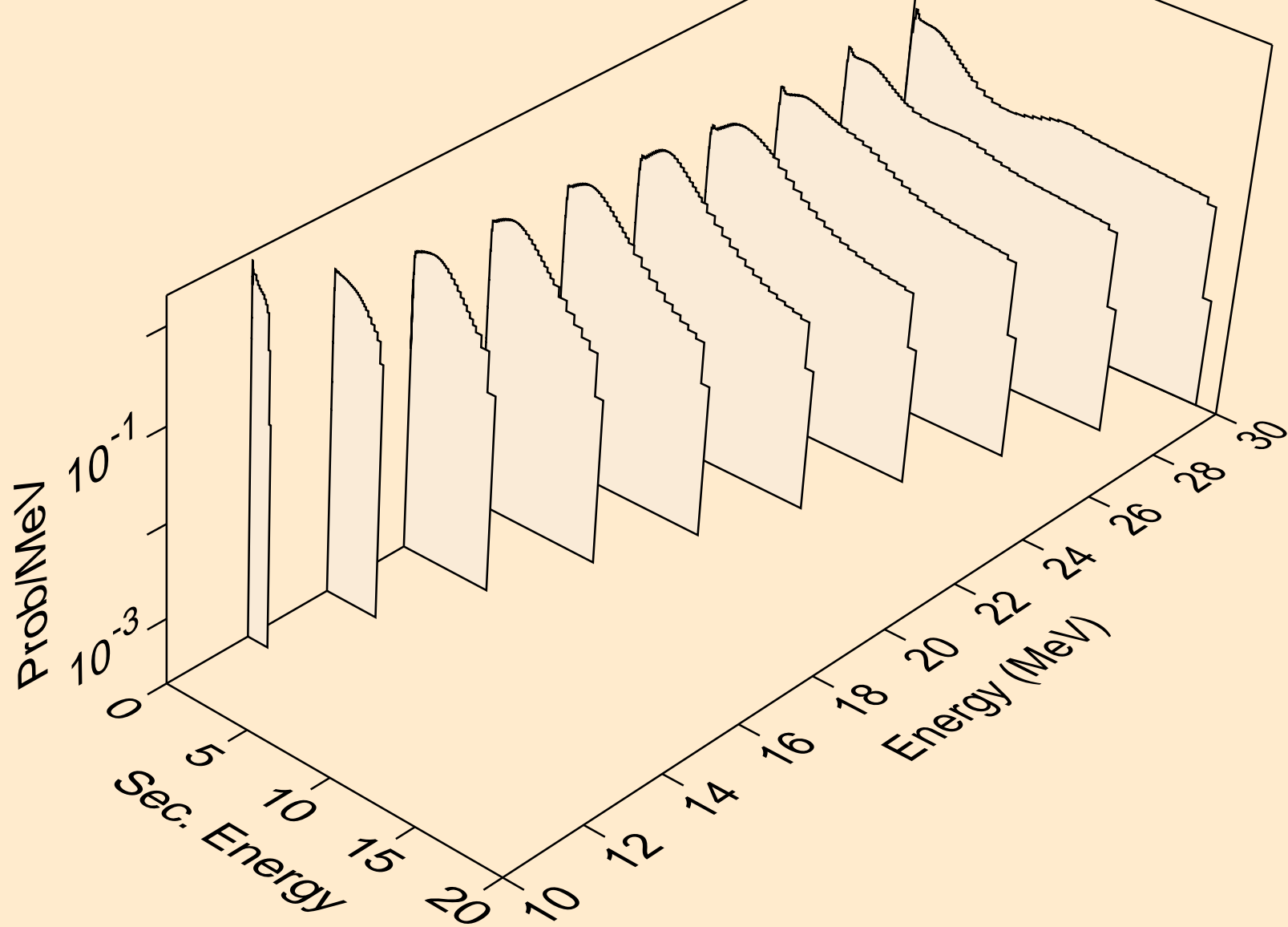
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Neutron emission for (n,x)



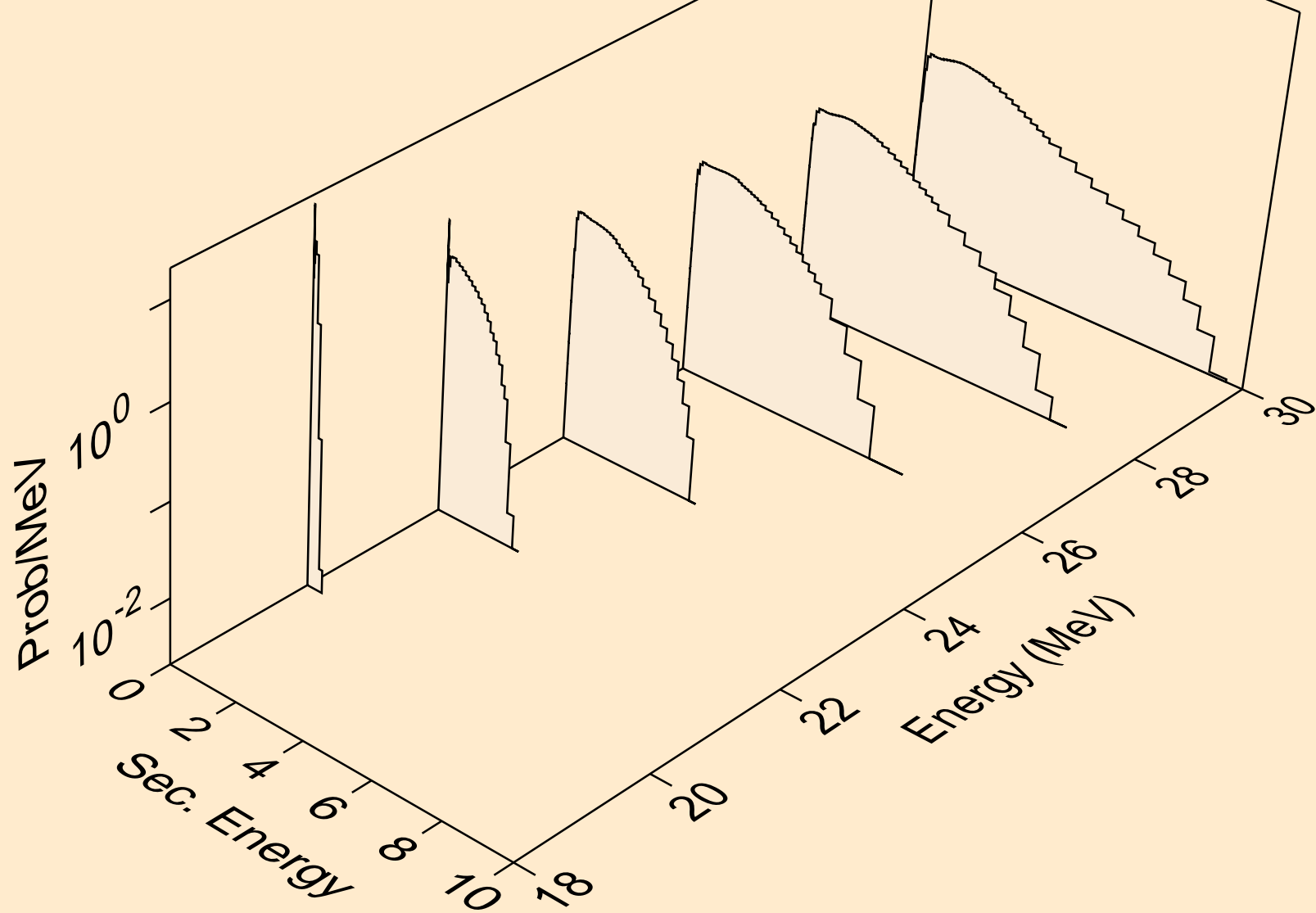
SC047 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



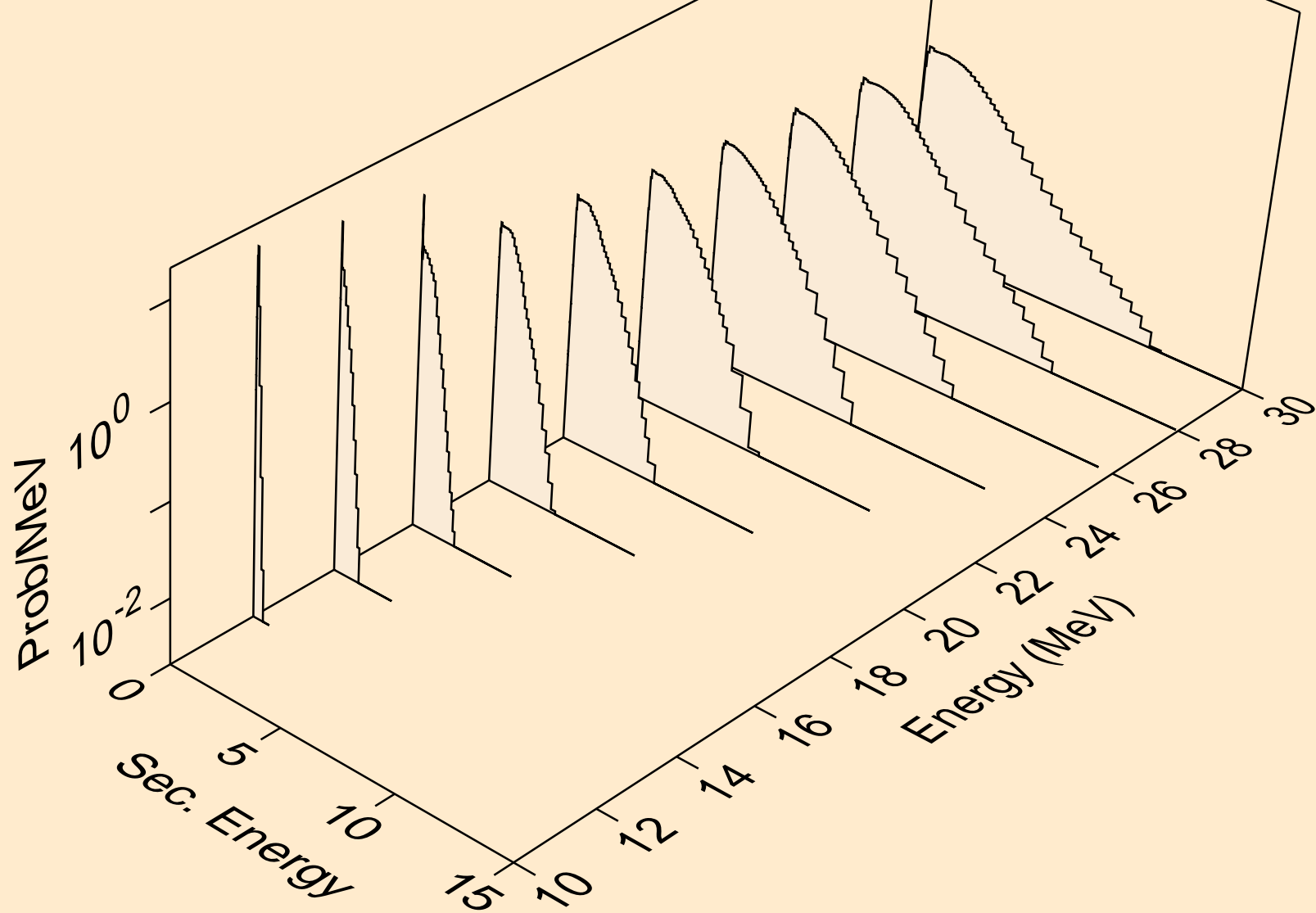
SC047 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)



SC047 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)

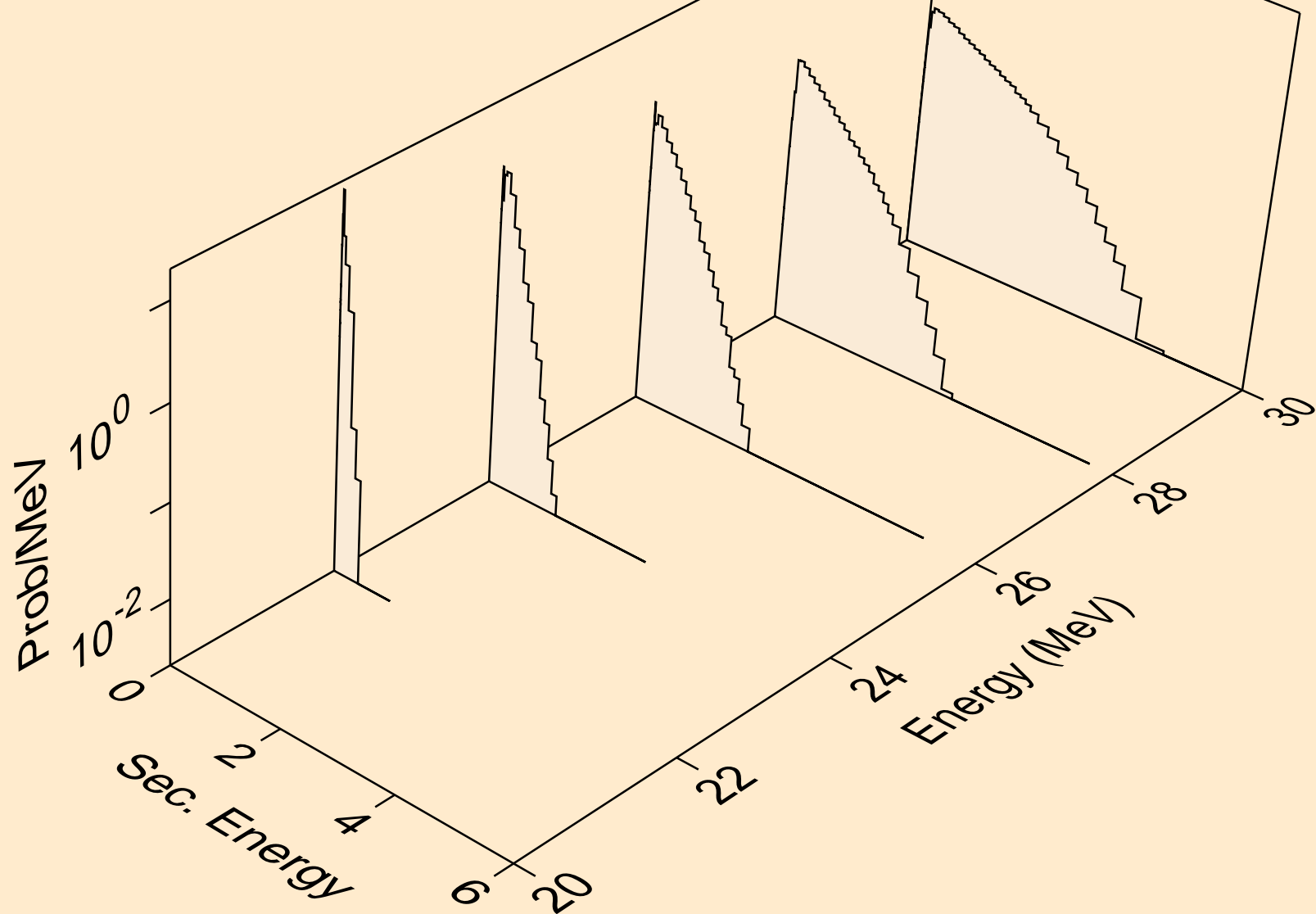


SC047 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a

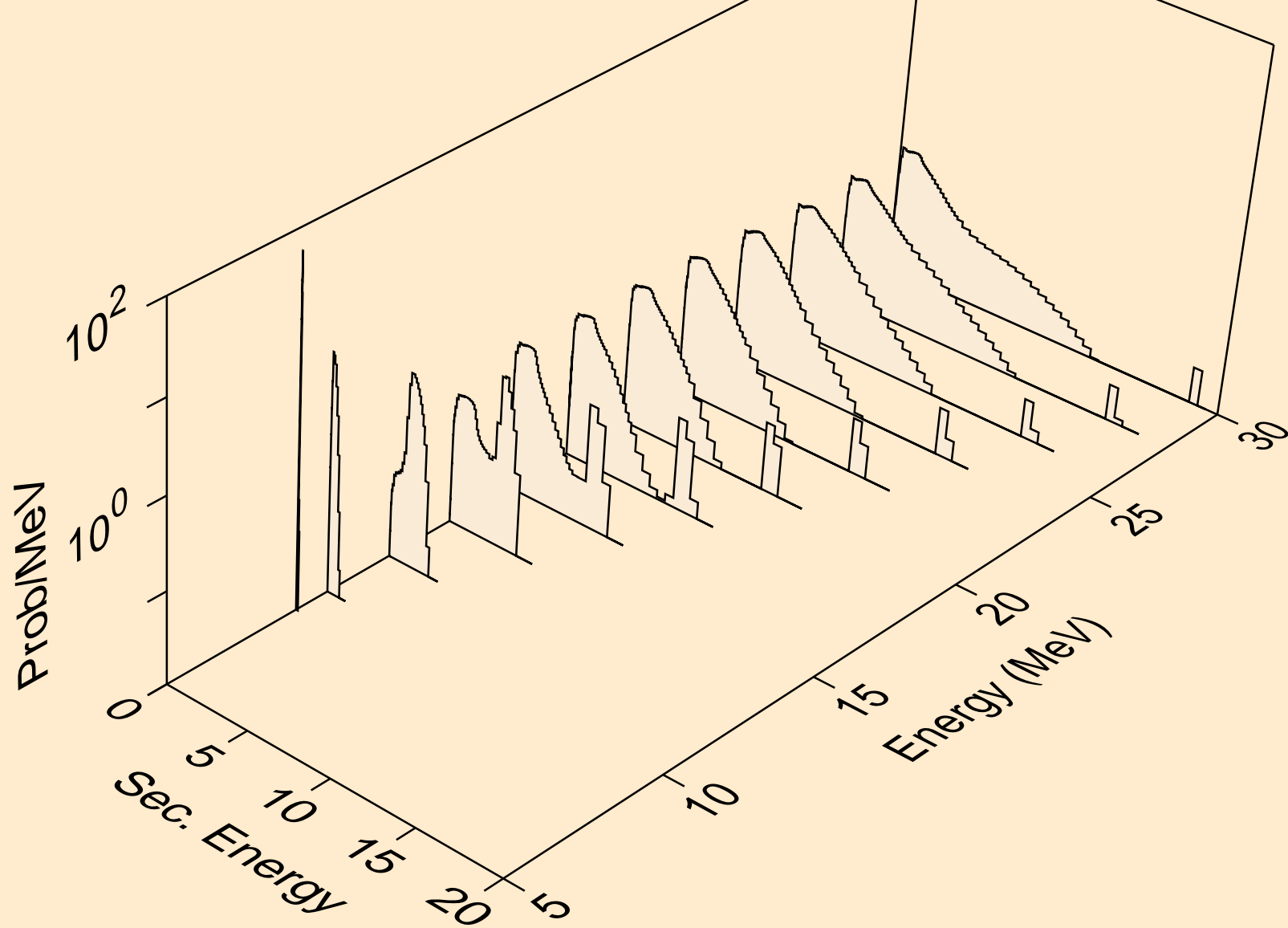




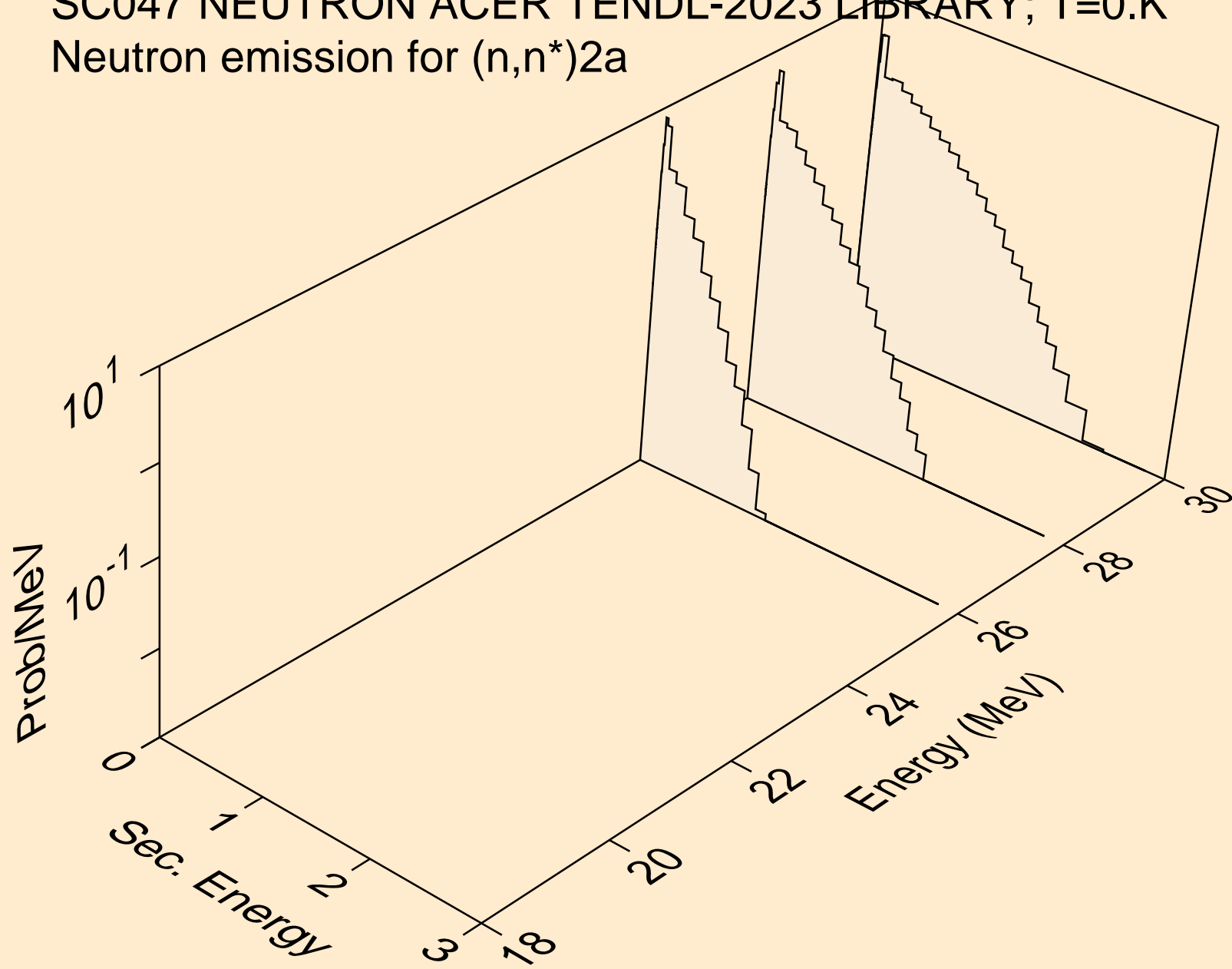
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Neutron emission for (n,2n)a



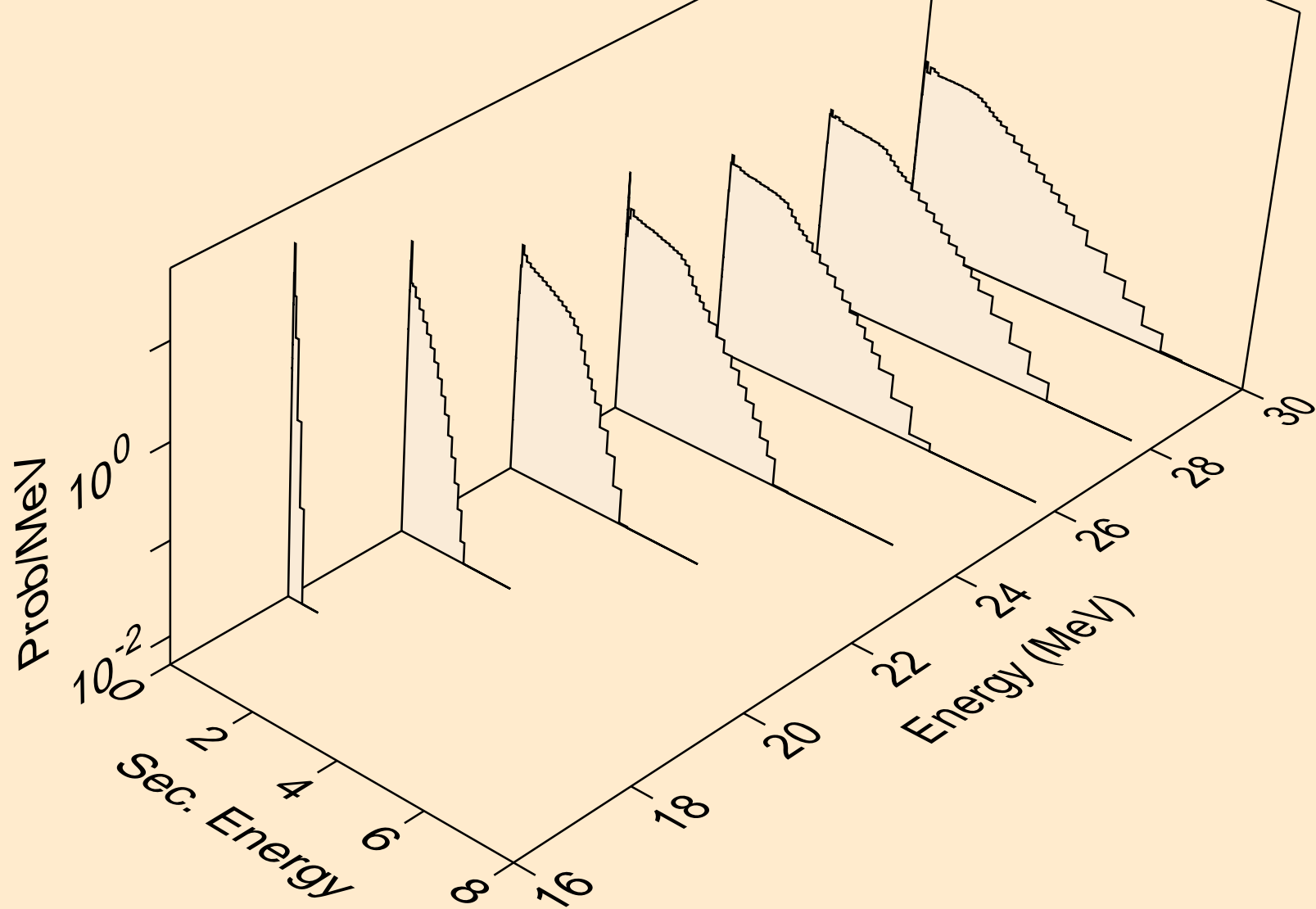
SC047 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



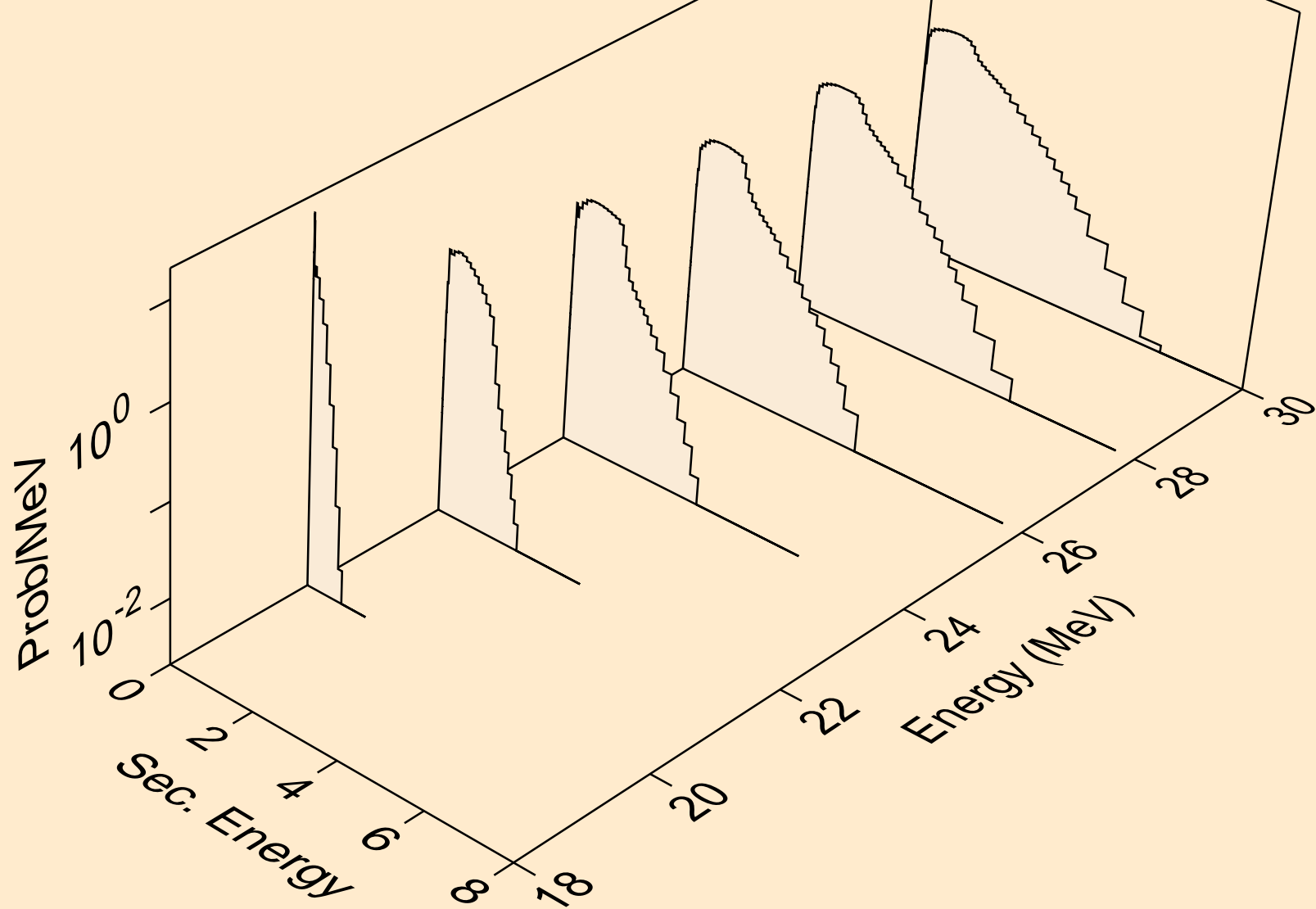
SC047 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)2a



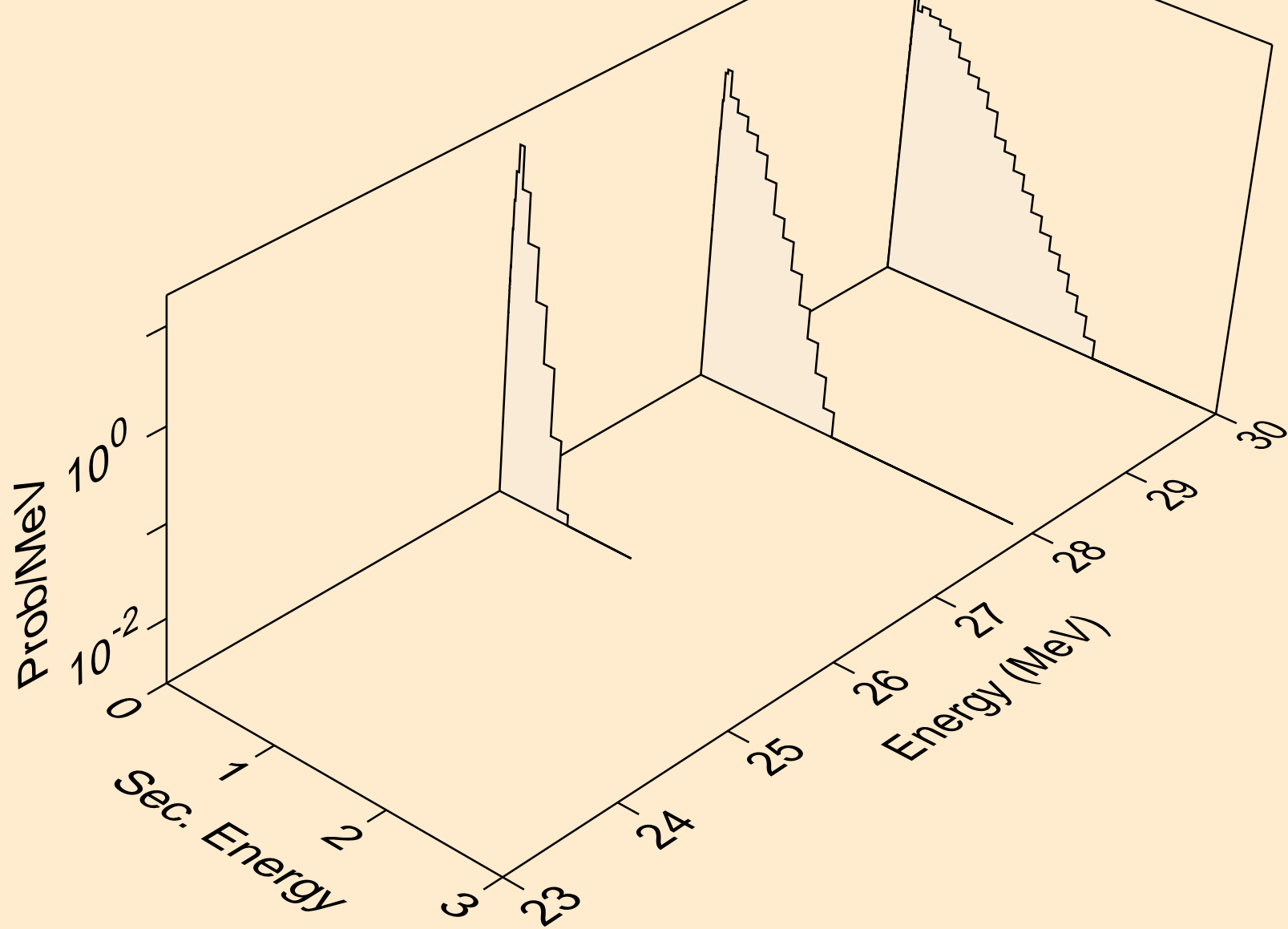
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Neutron emission for (n,n\*)d



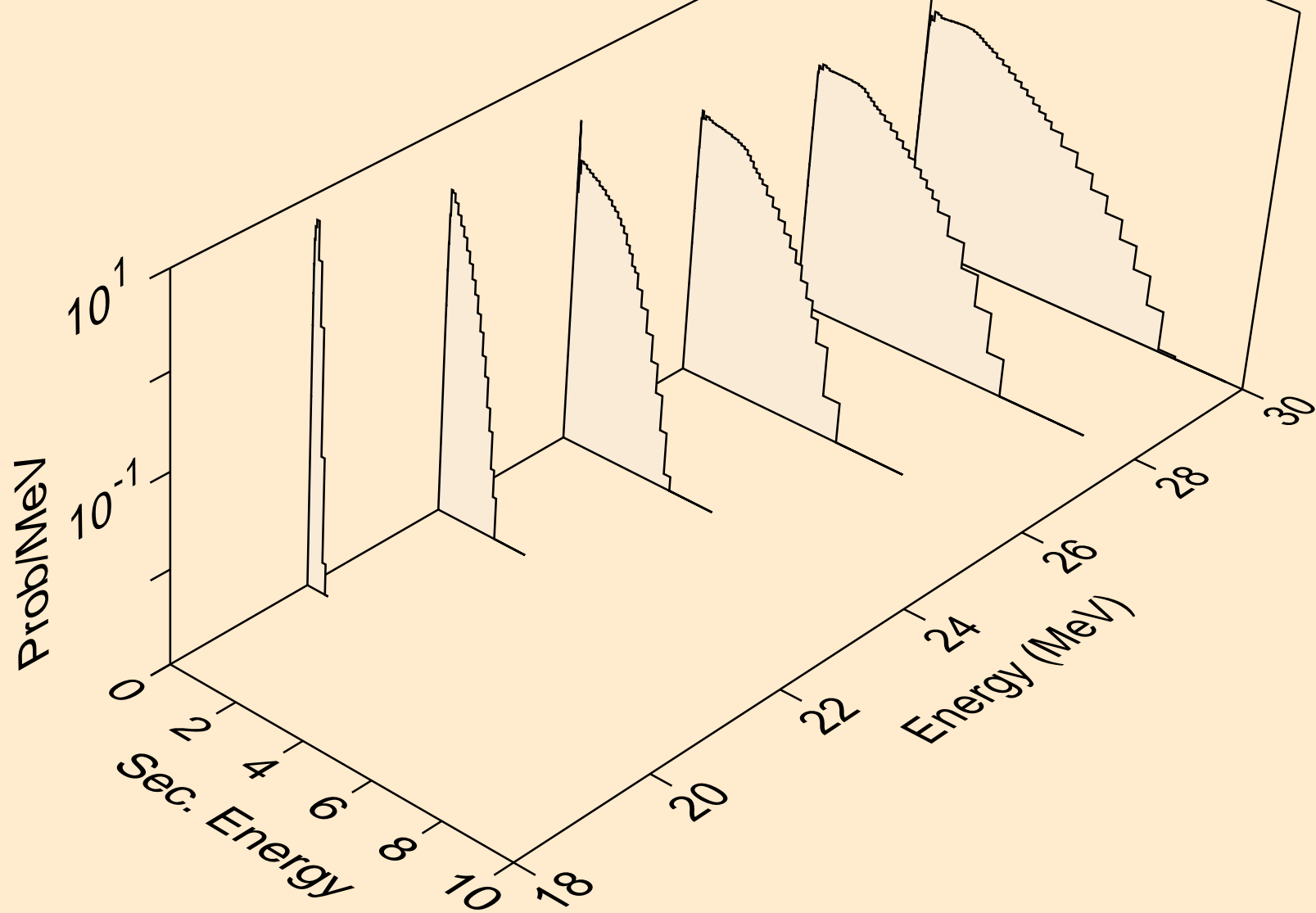
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Neutron emission for (n,n\*)t



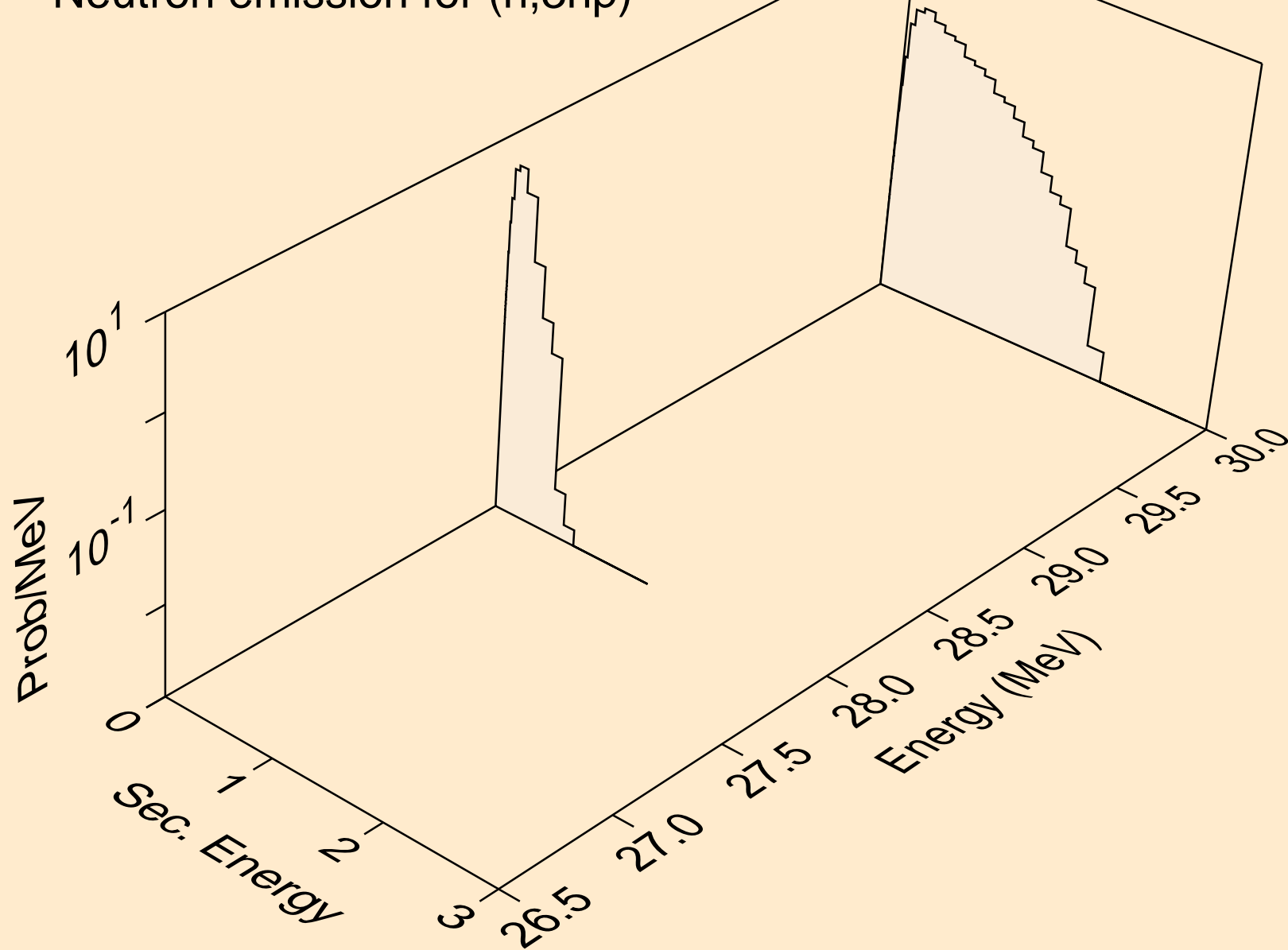
SC047 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



SC047 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2np)

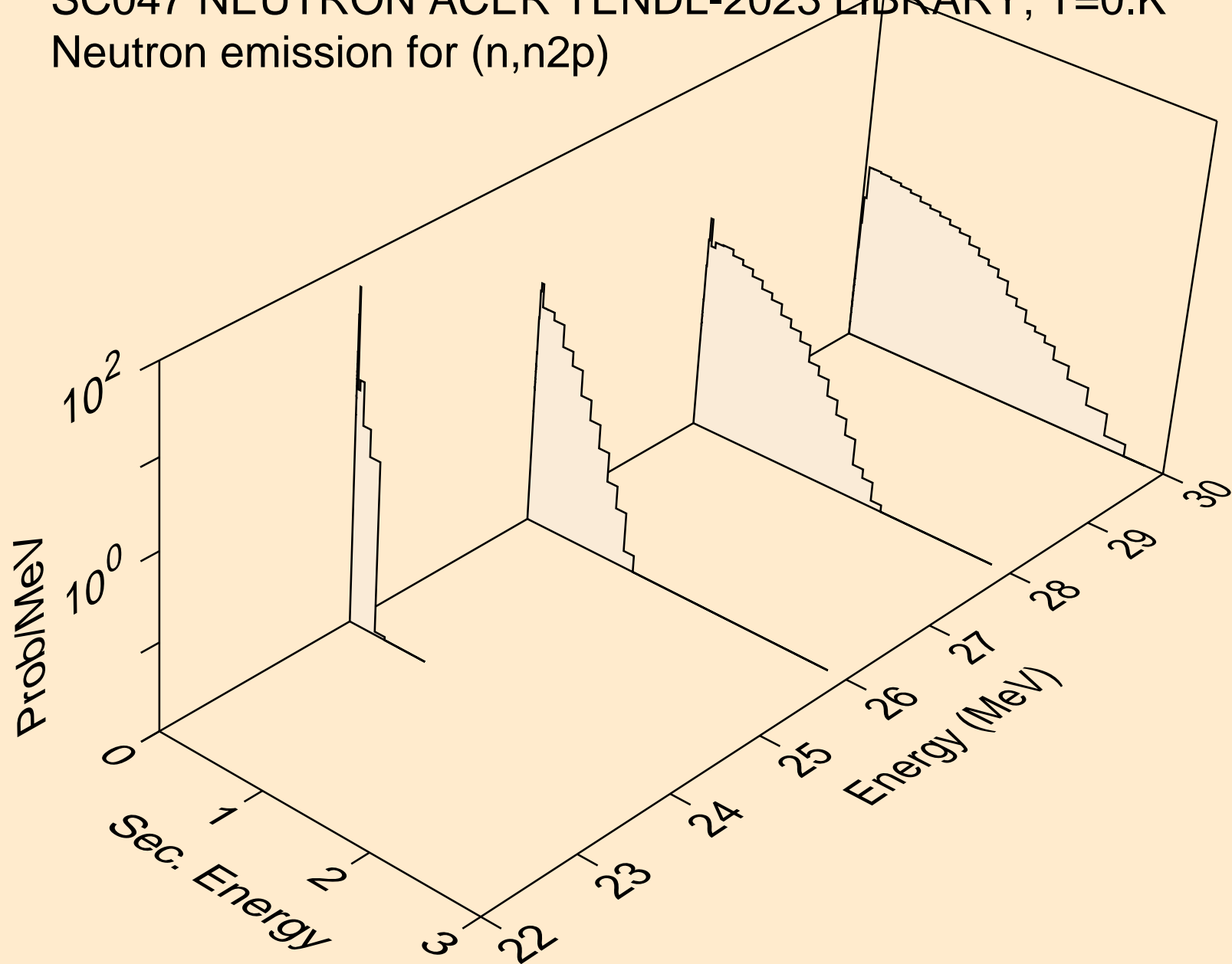


SC047 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3np)

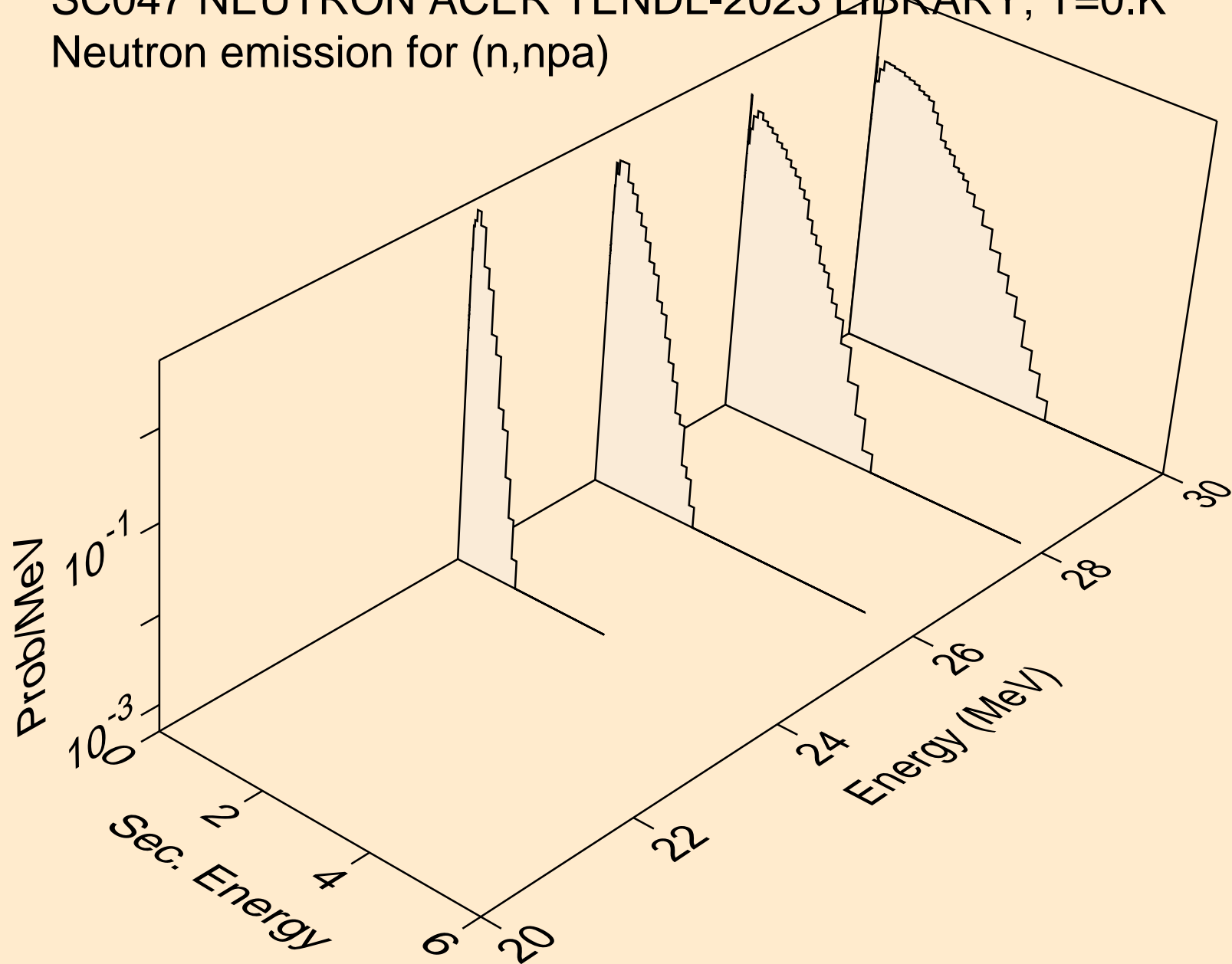




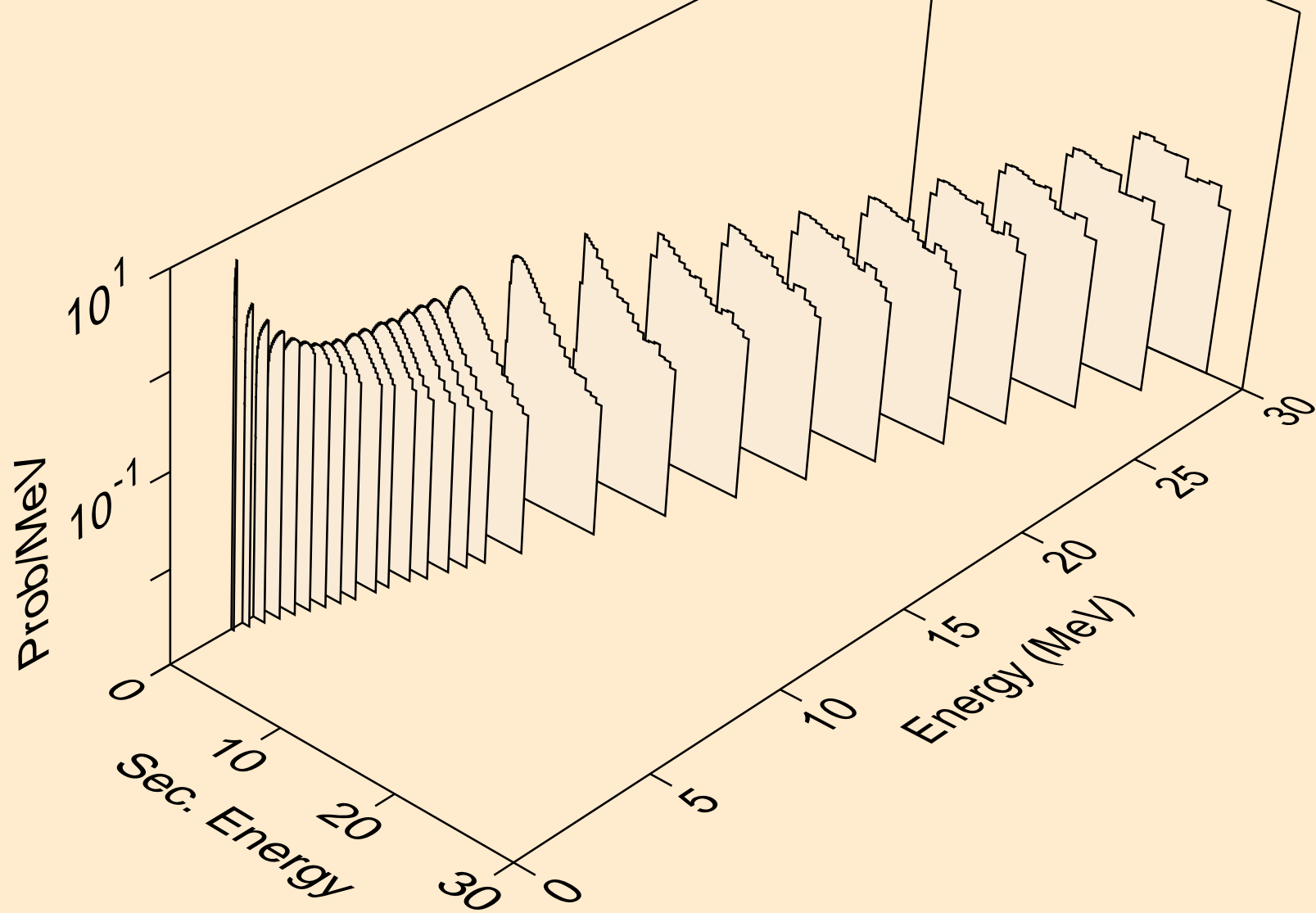
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Neutron emission for (n,n2p)



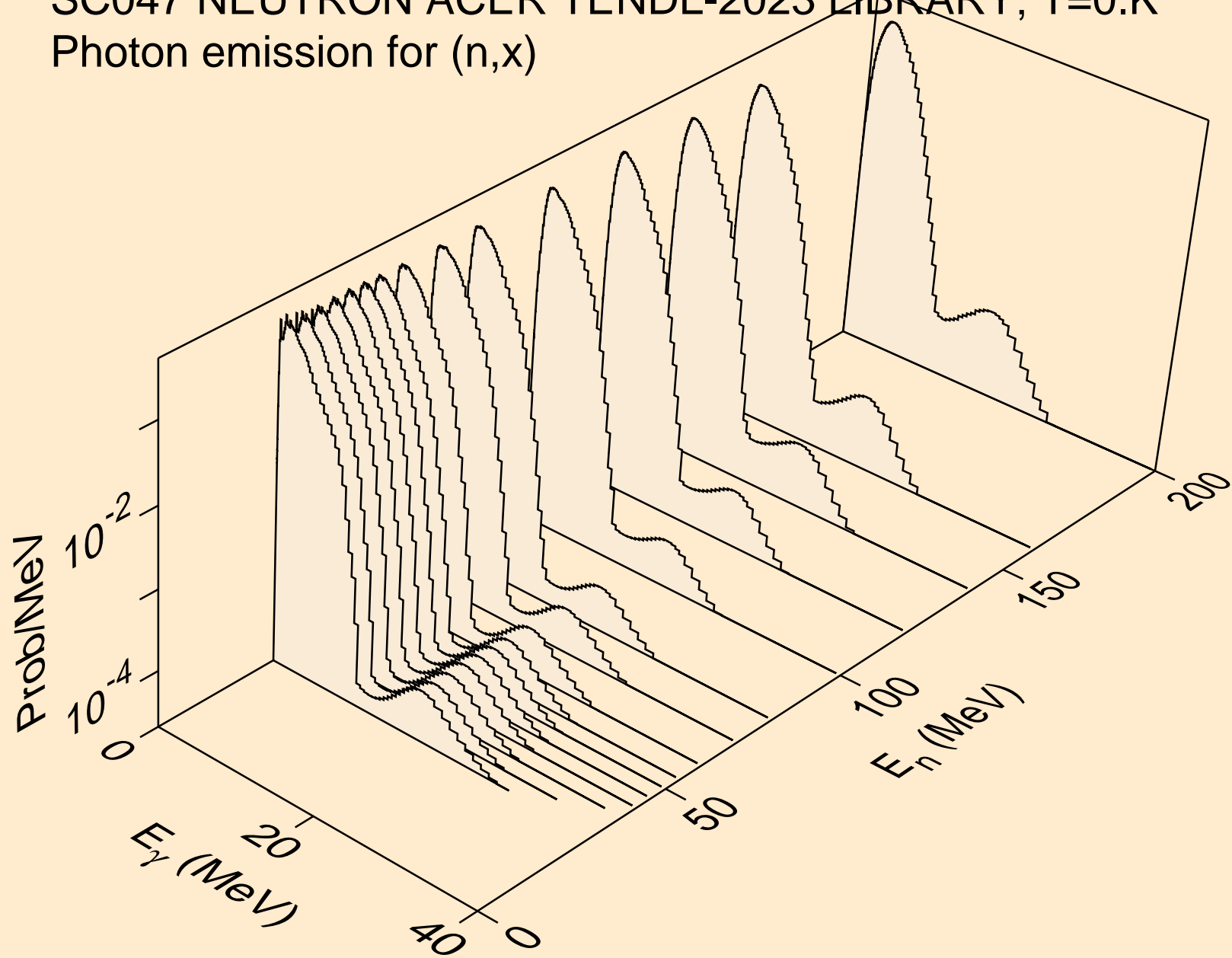
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Neutron emission for (n,npa)



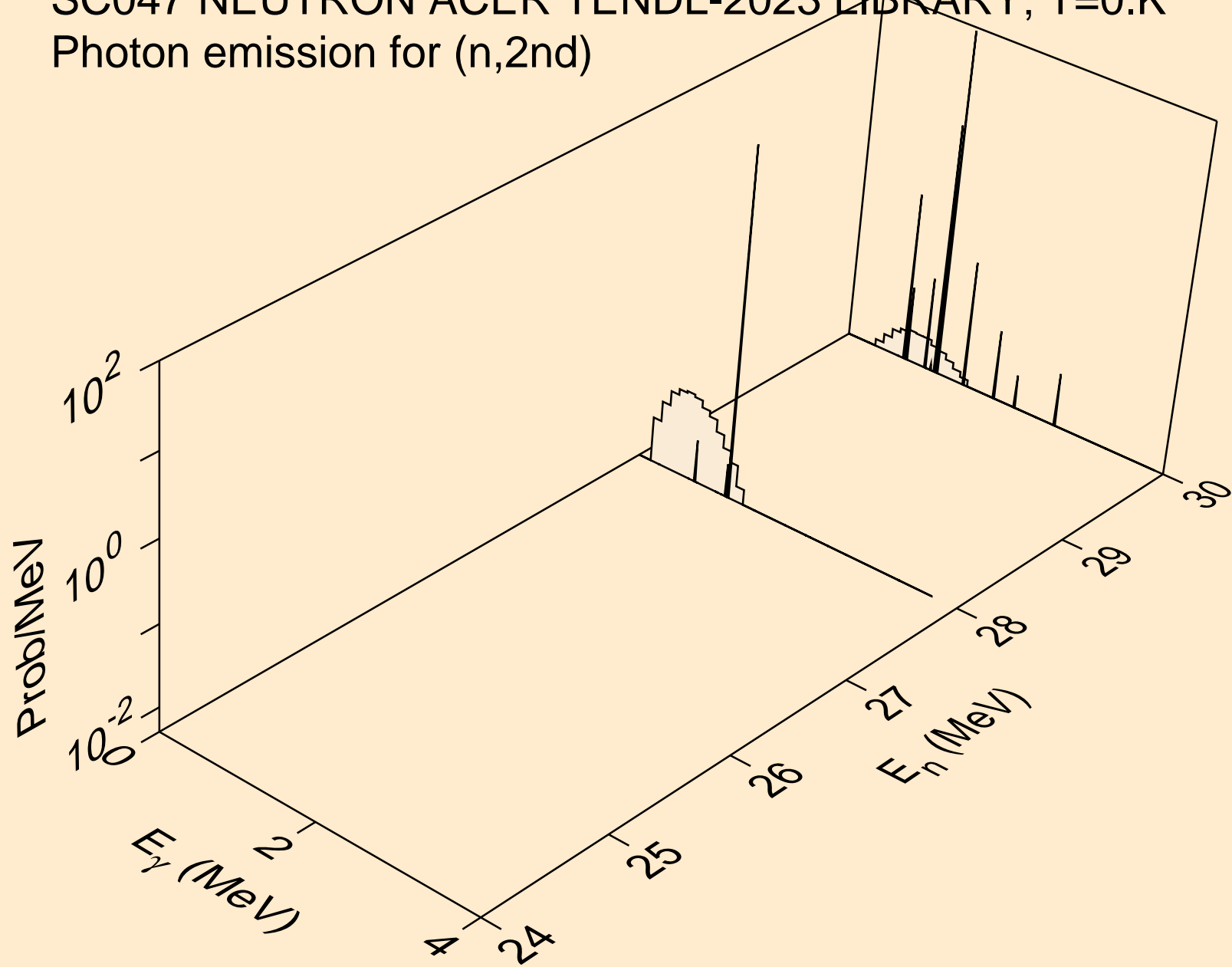
SC047 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)



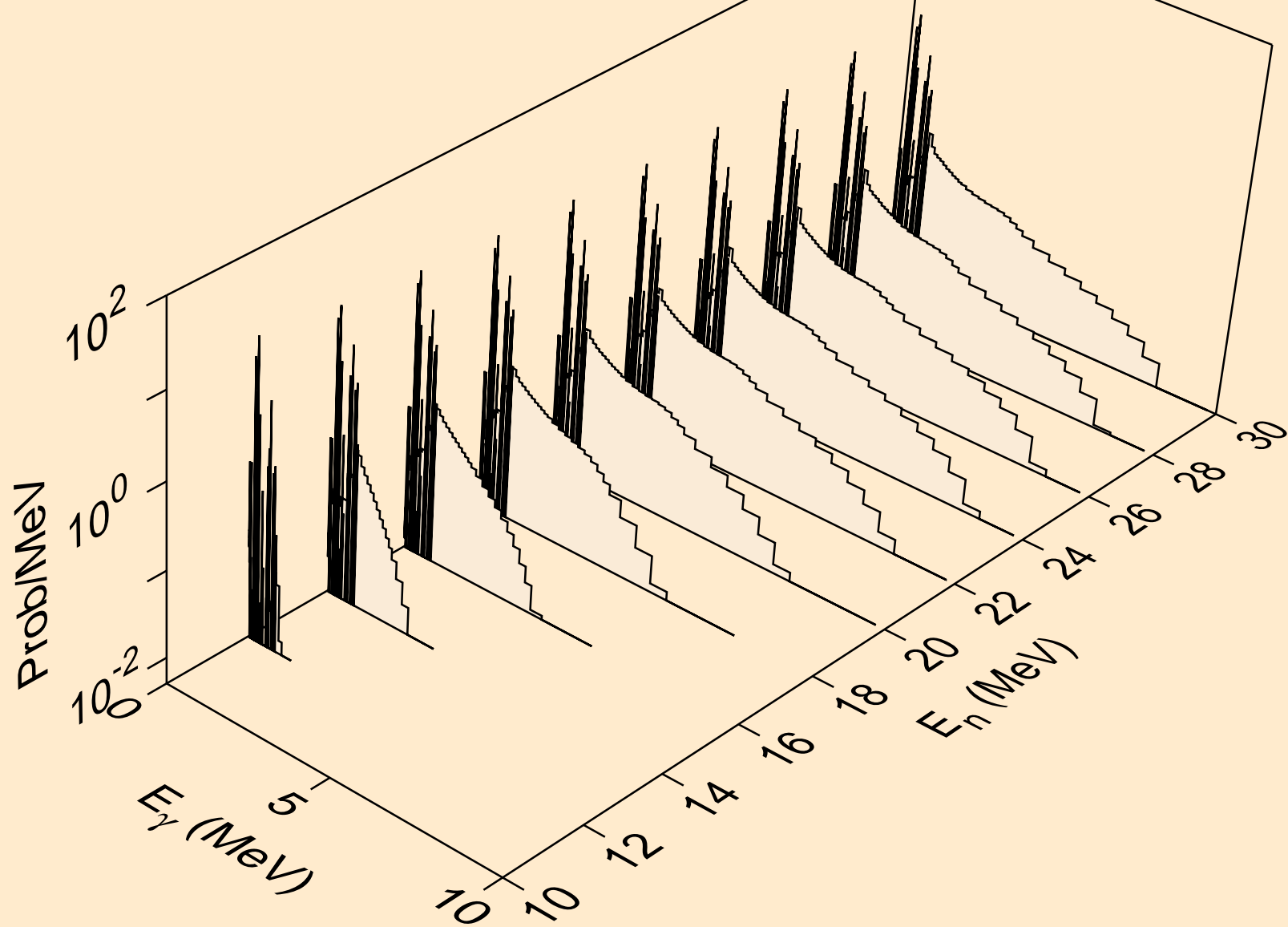
SC047 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,x)



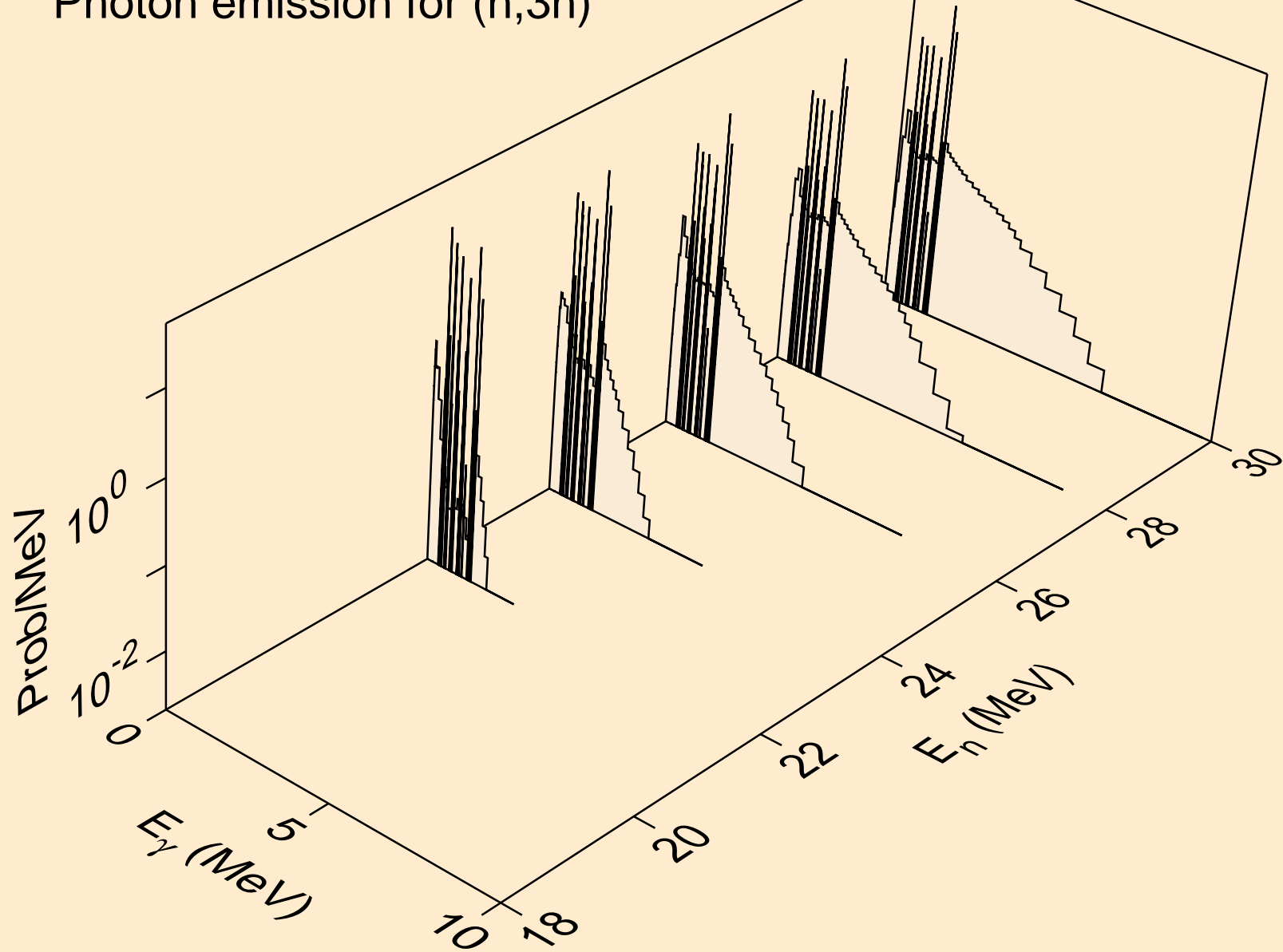
SC047 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



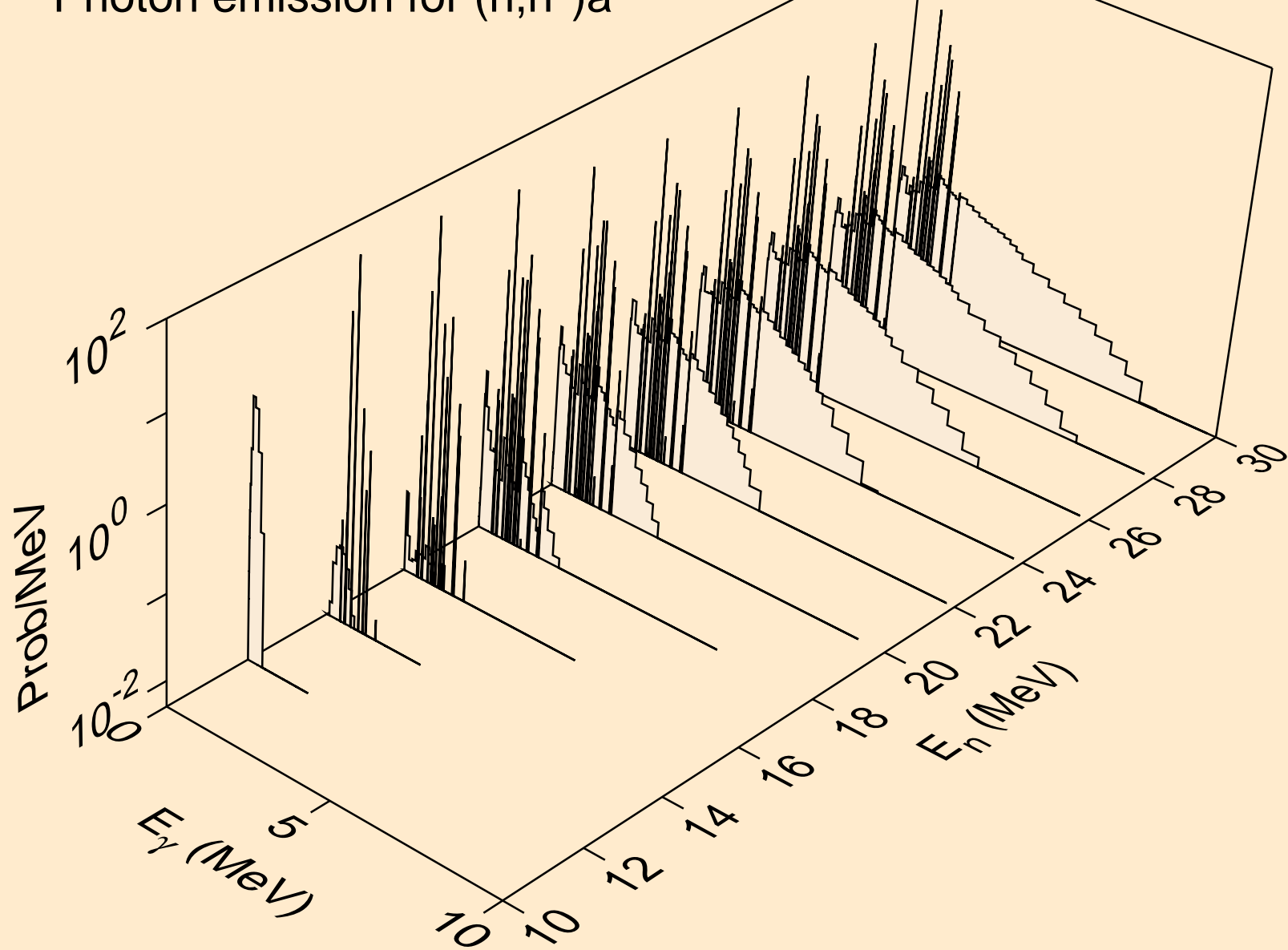
SC047 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



SC047 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)

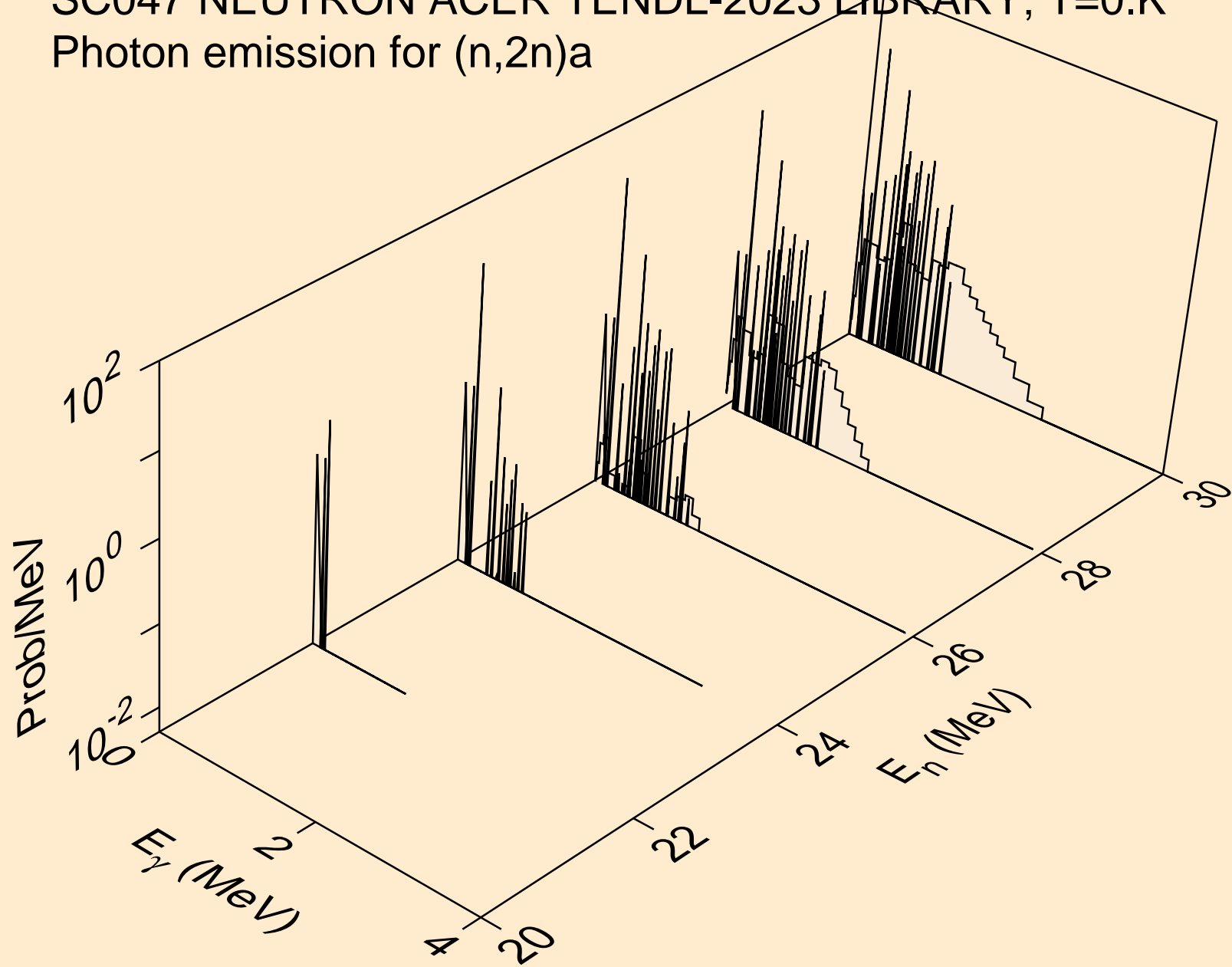


SC047 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a

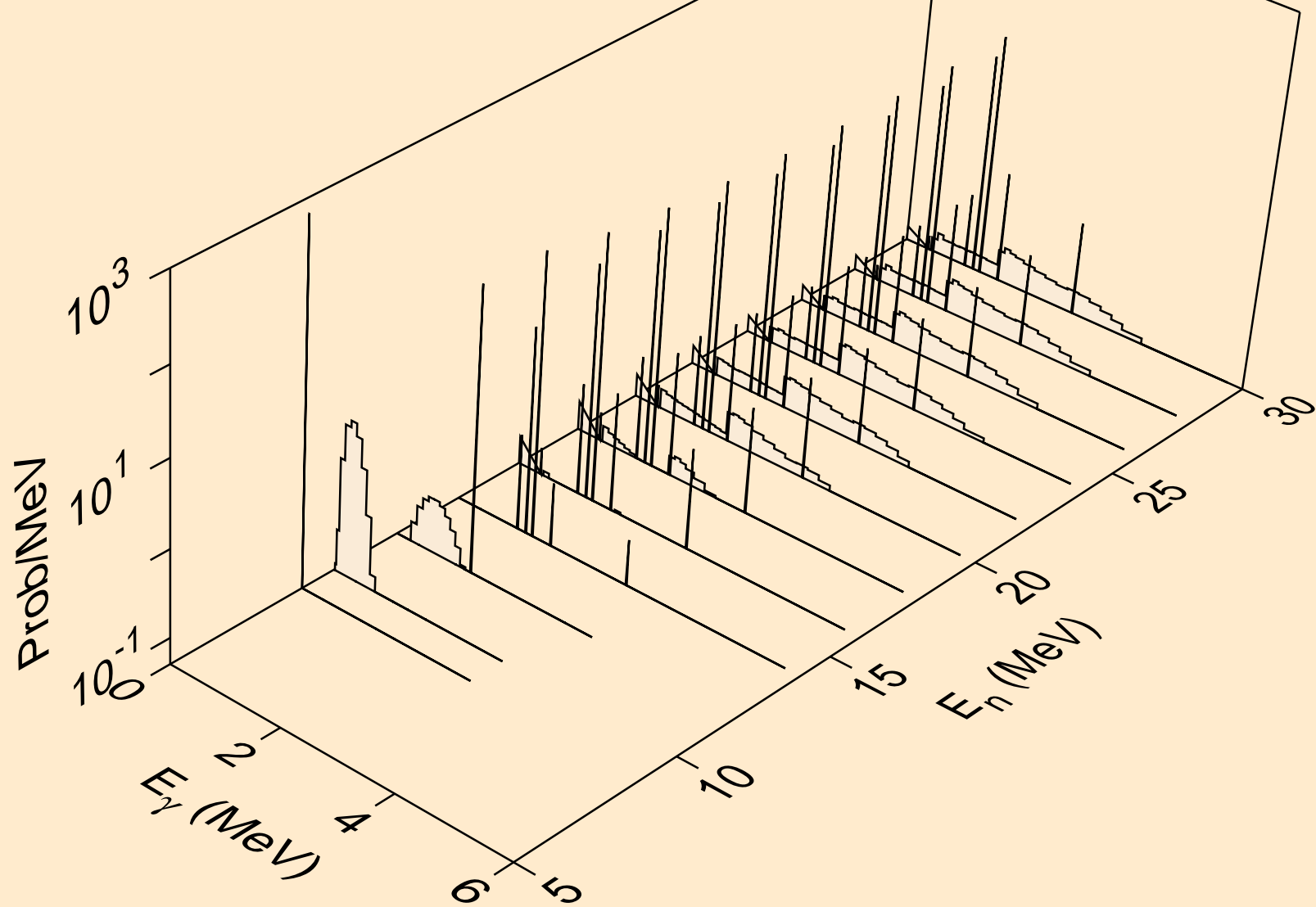




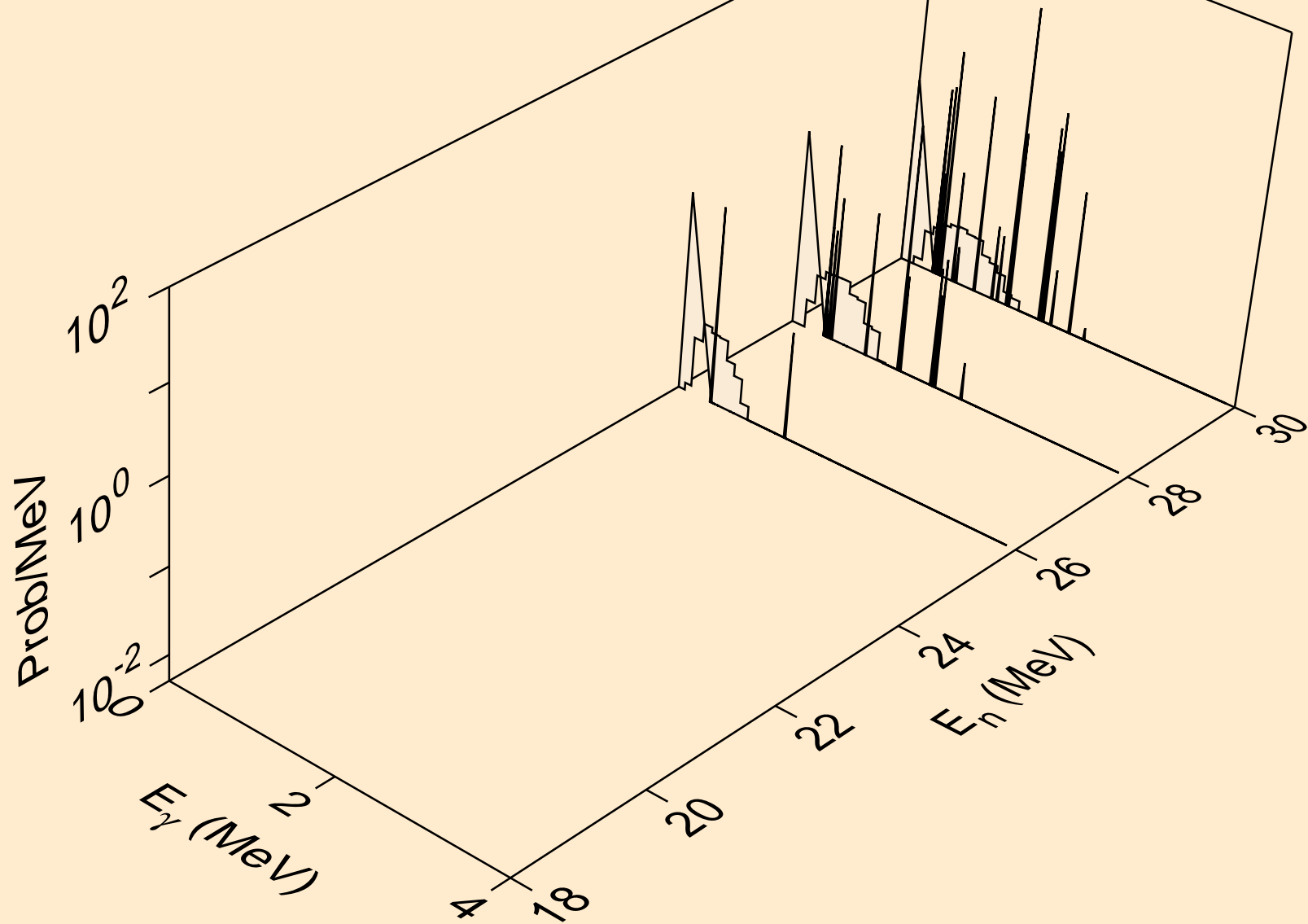
SC047 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a



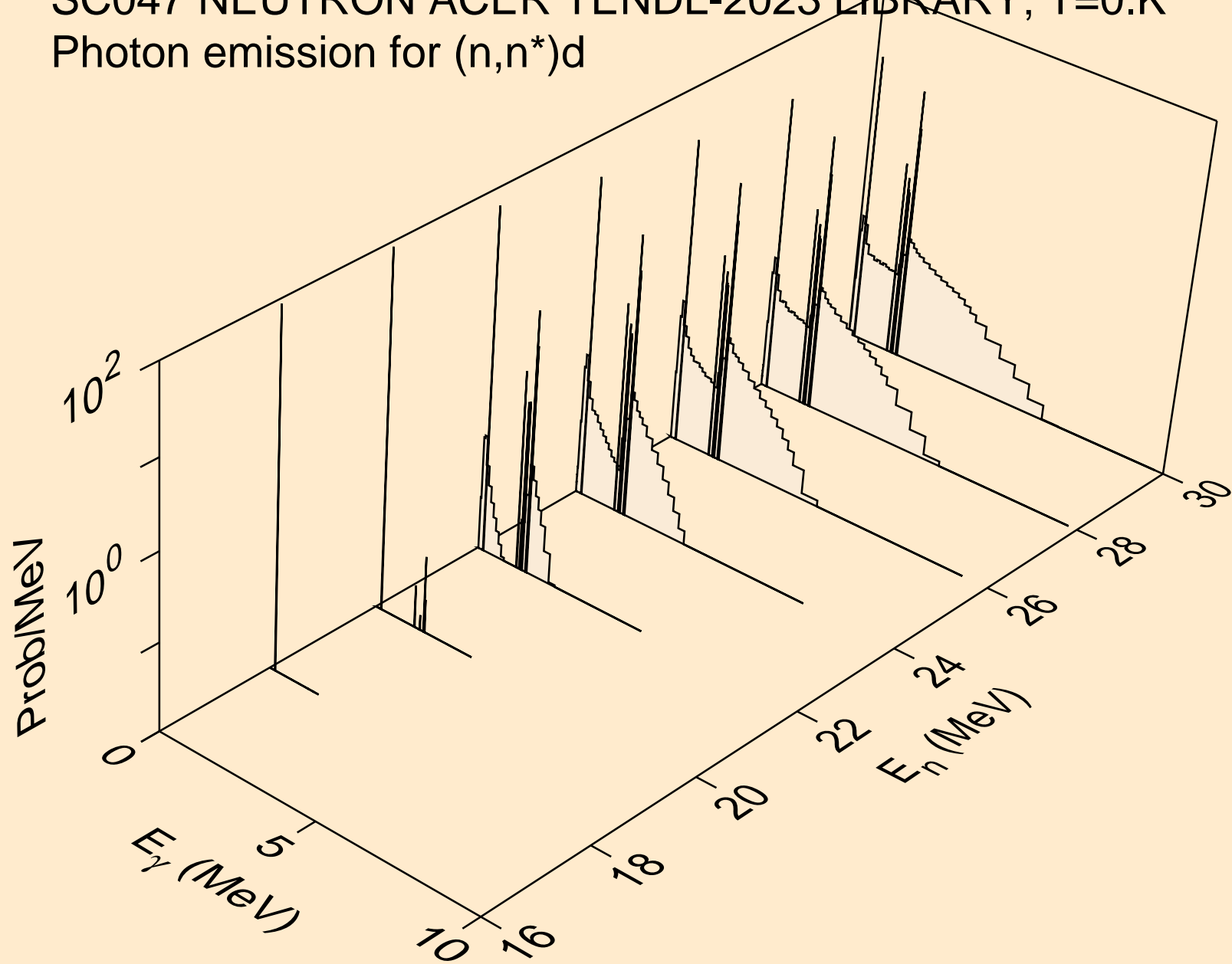
SC047 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



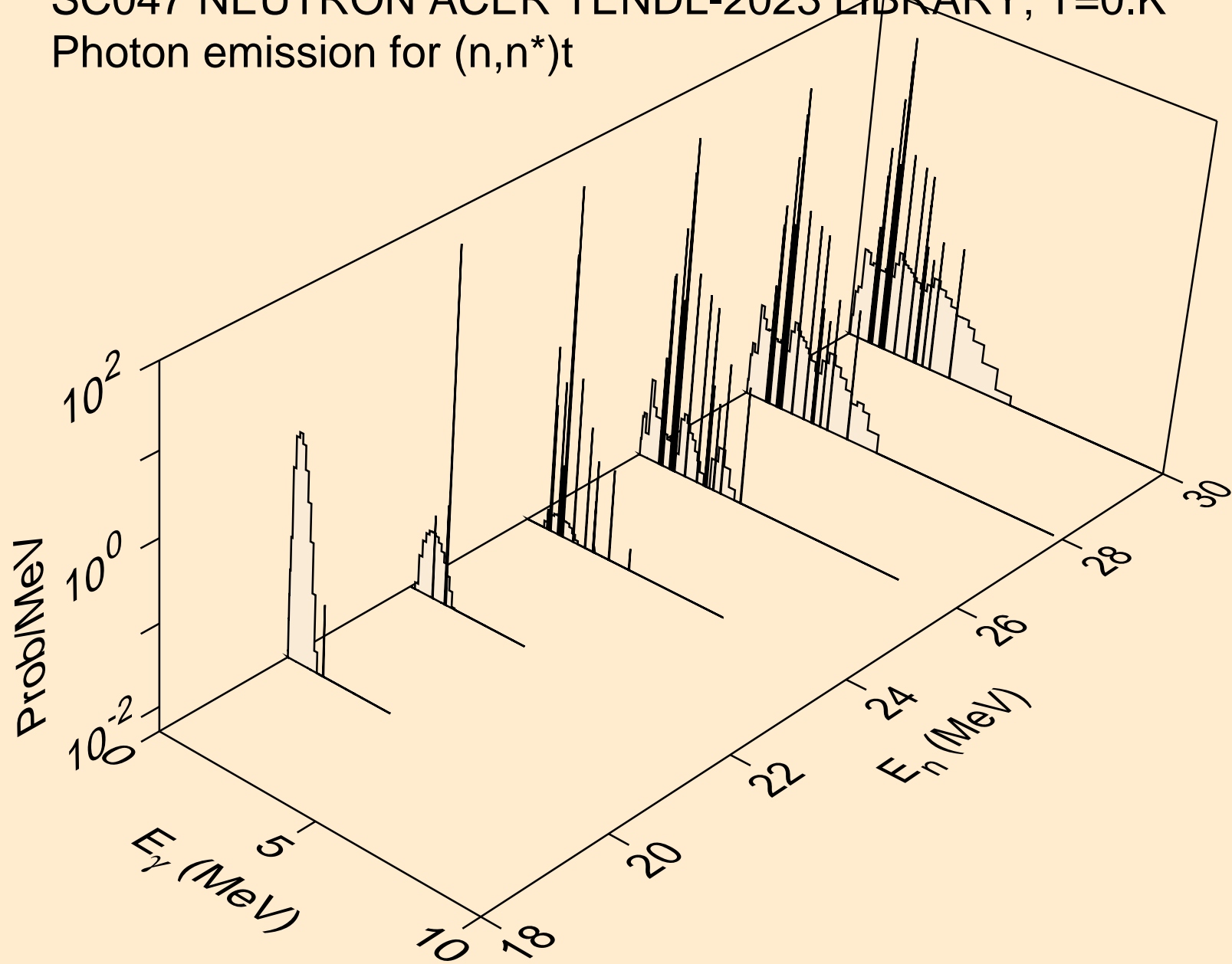
SC047 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



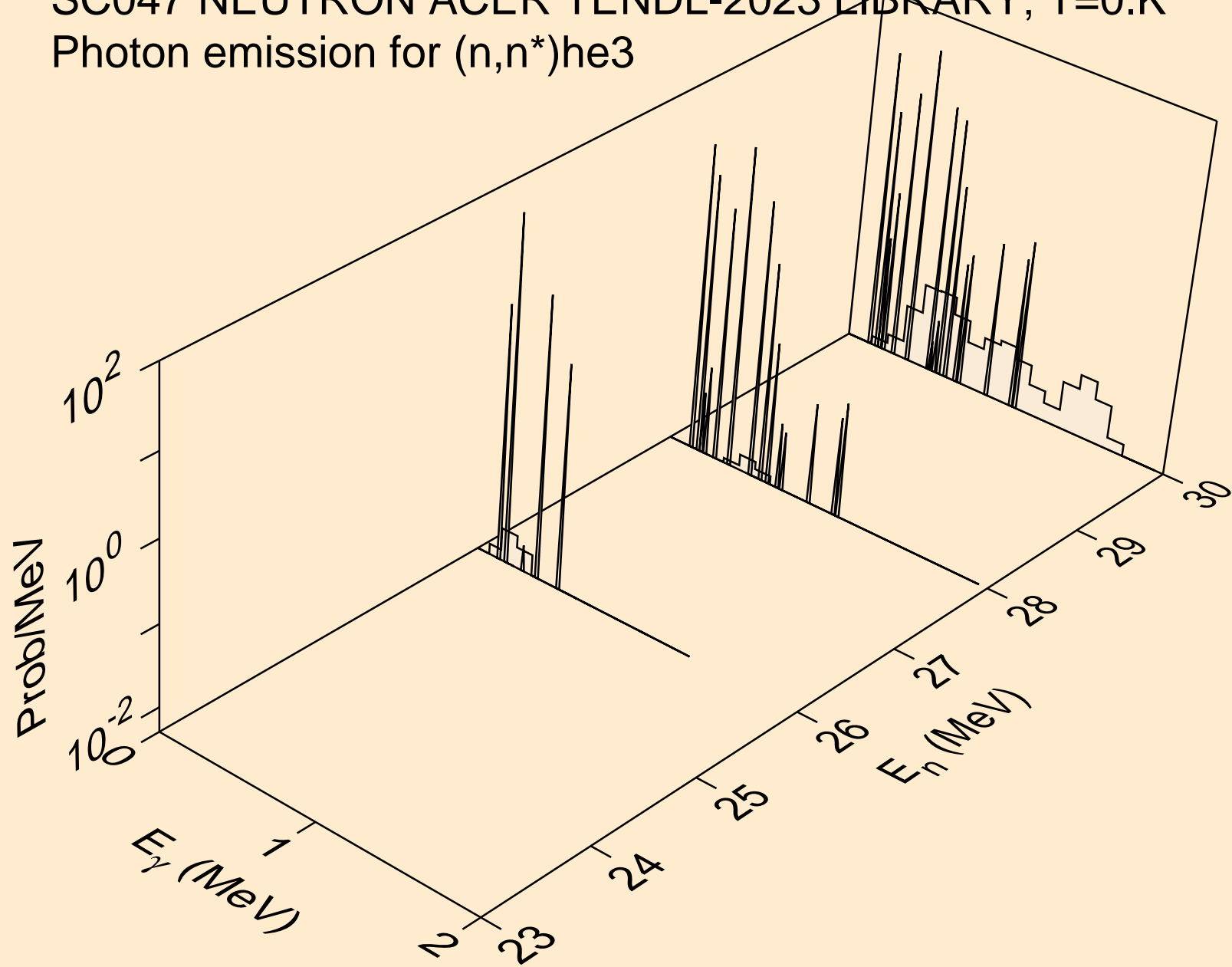
SC047 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



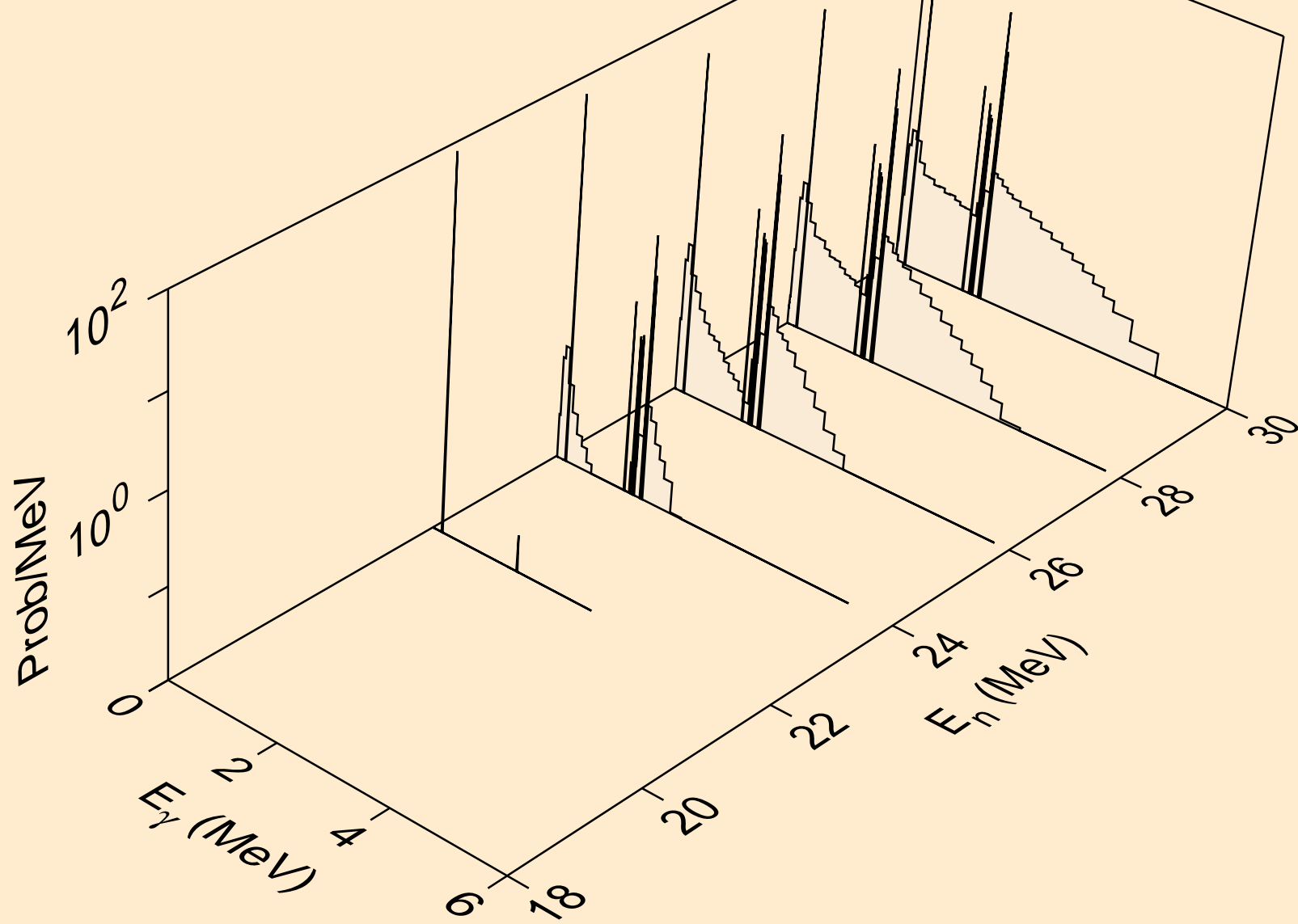
SC047 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



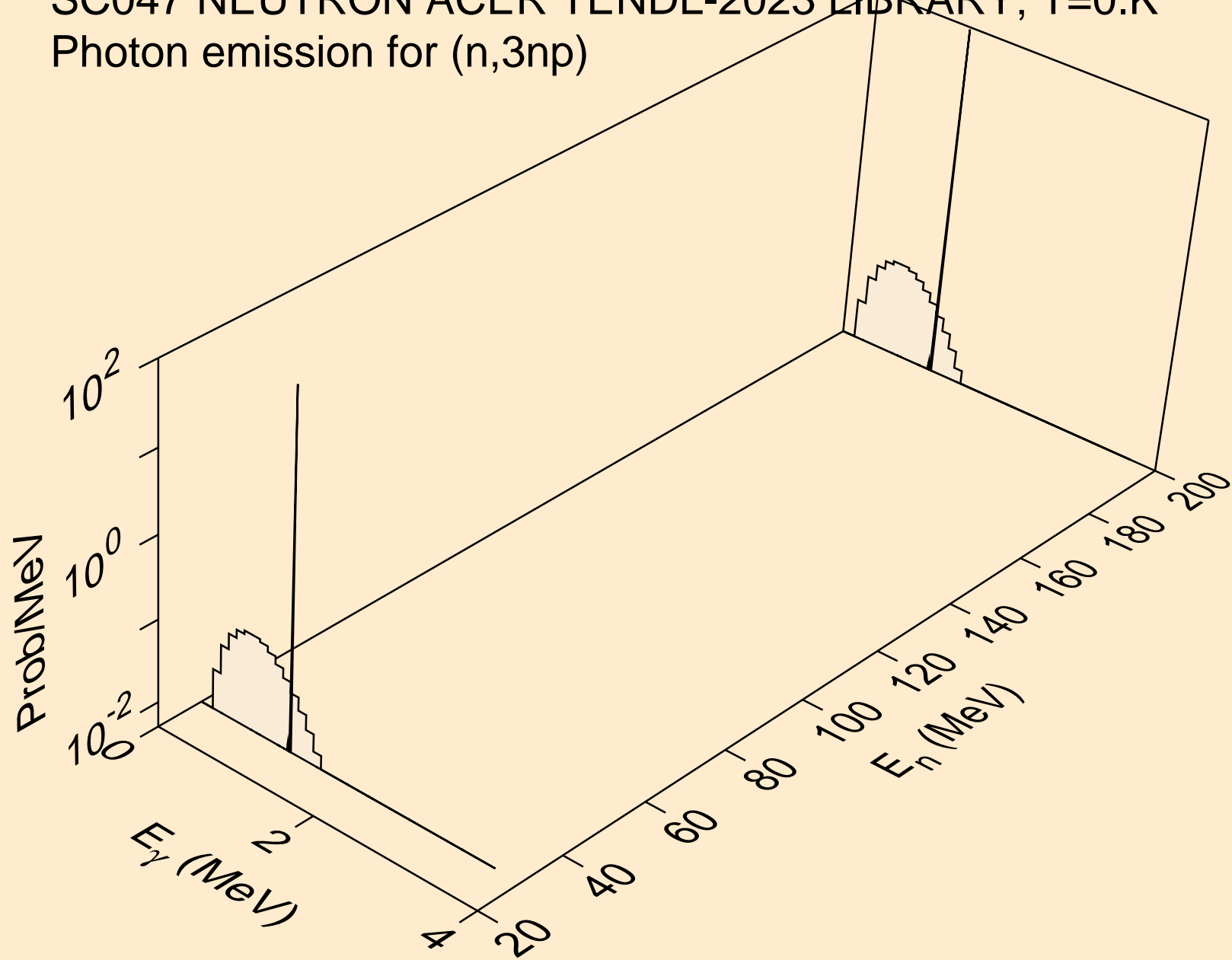
SC047 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



SC047 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)

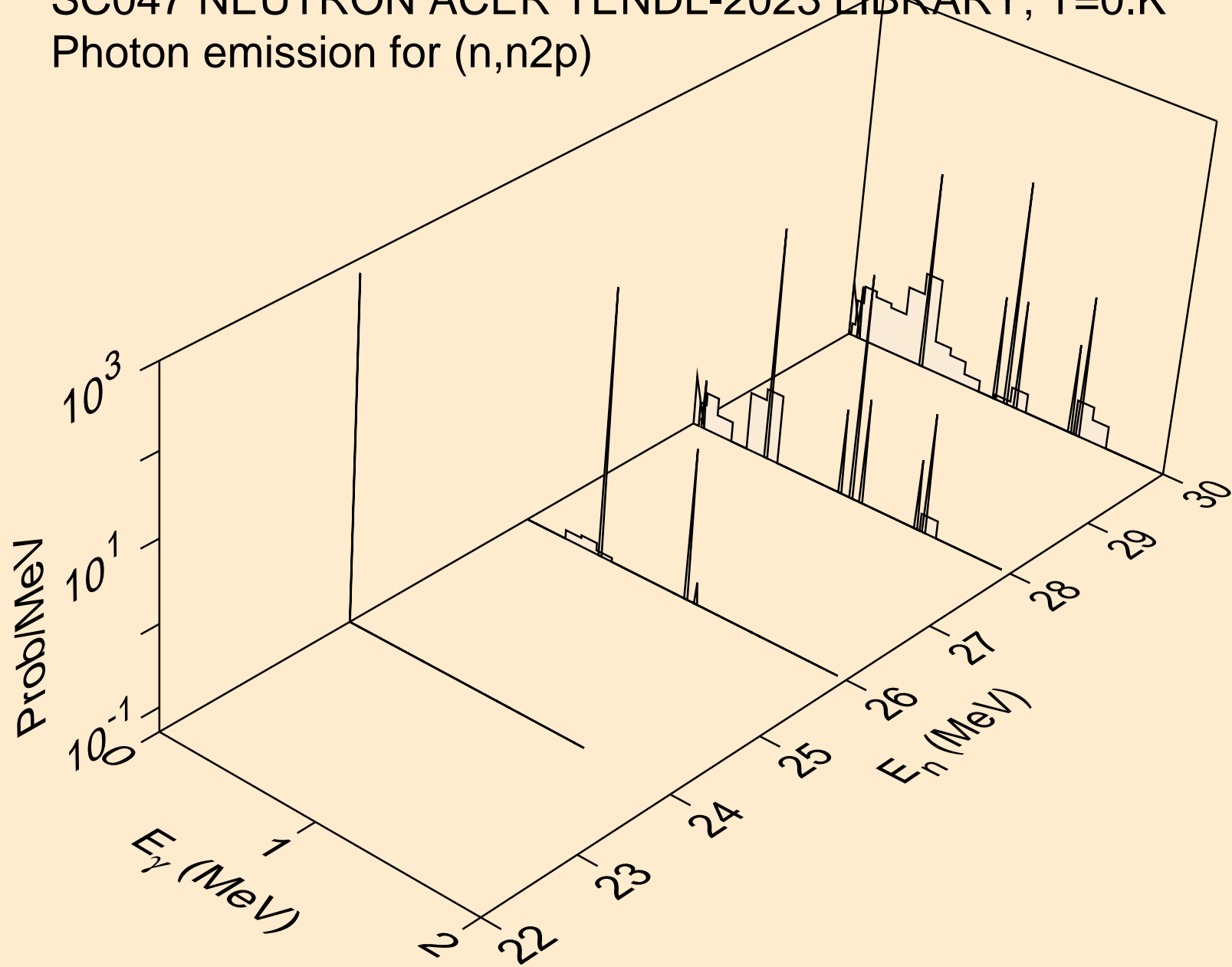


SC047 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3np)

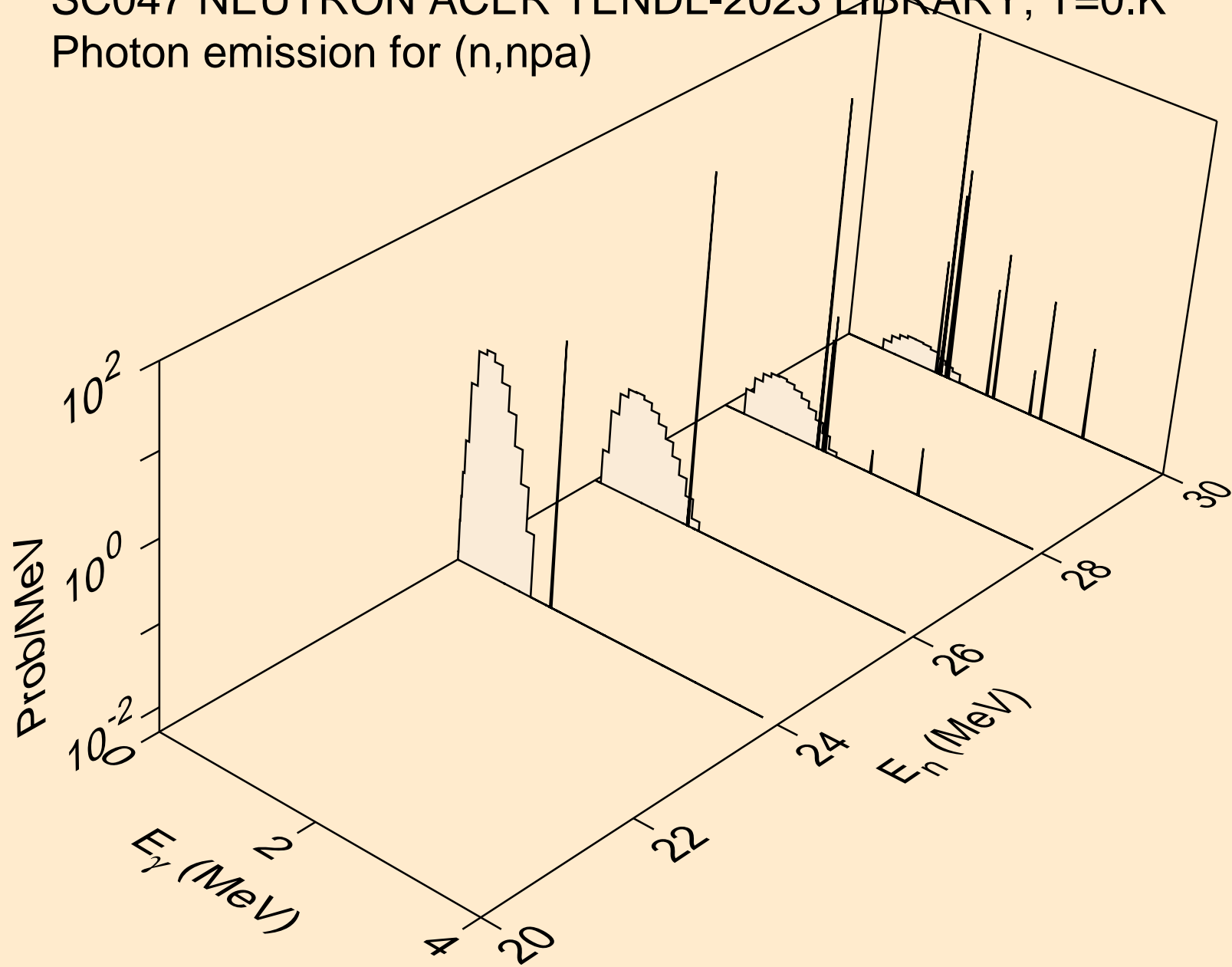




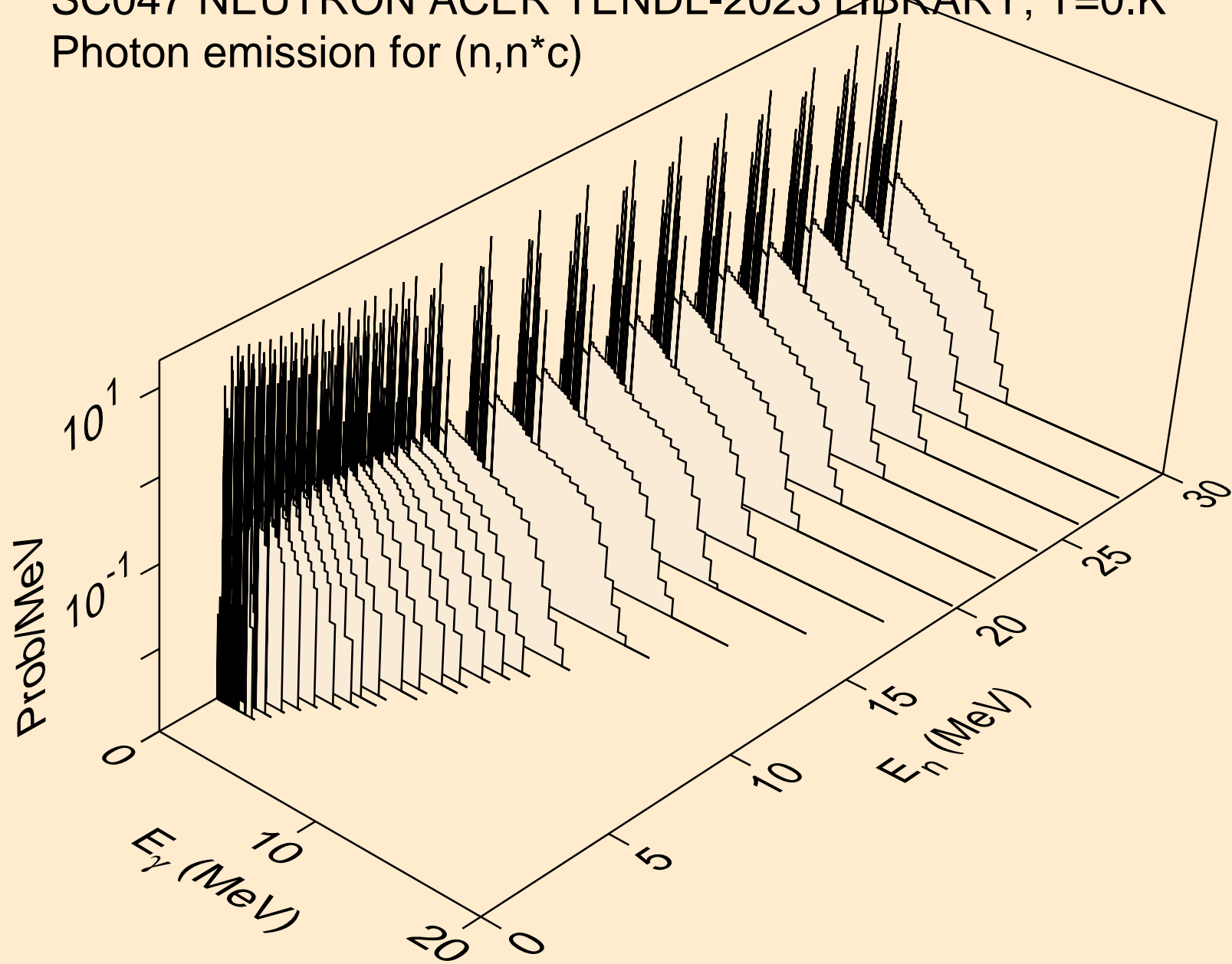
SC047 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)



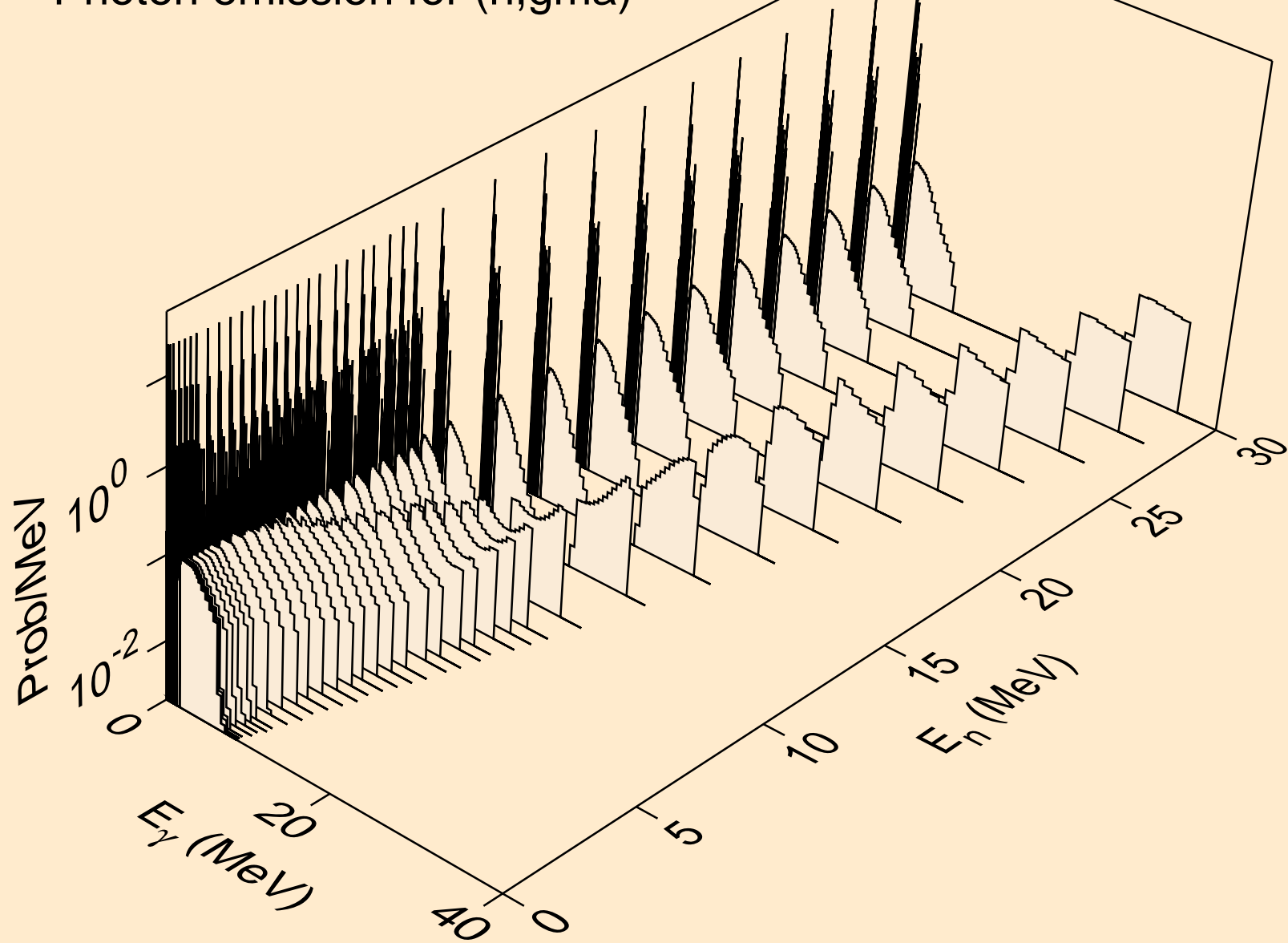
SC047 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,npa)



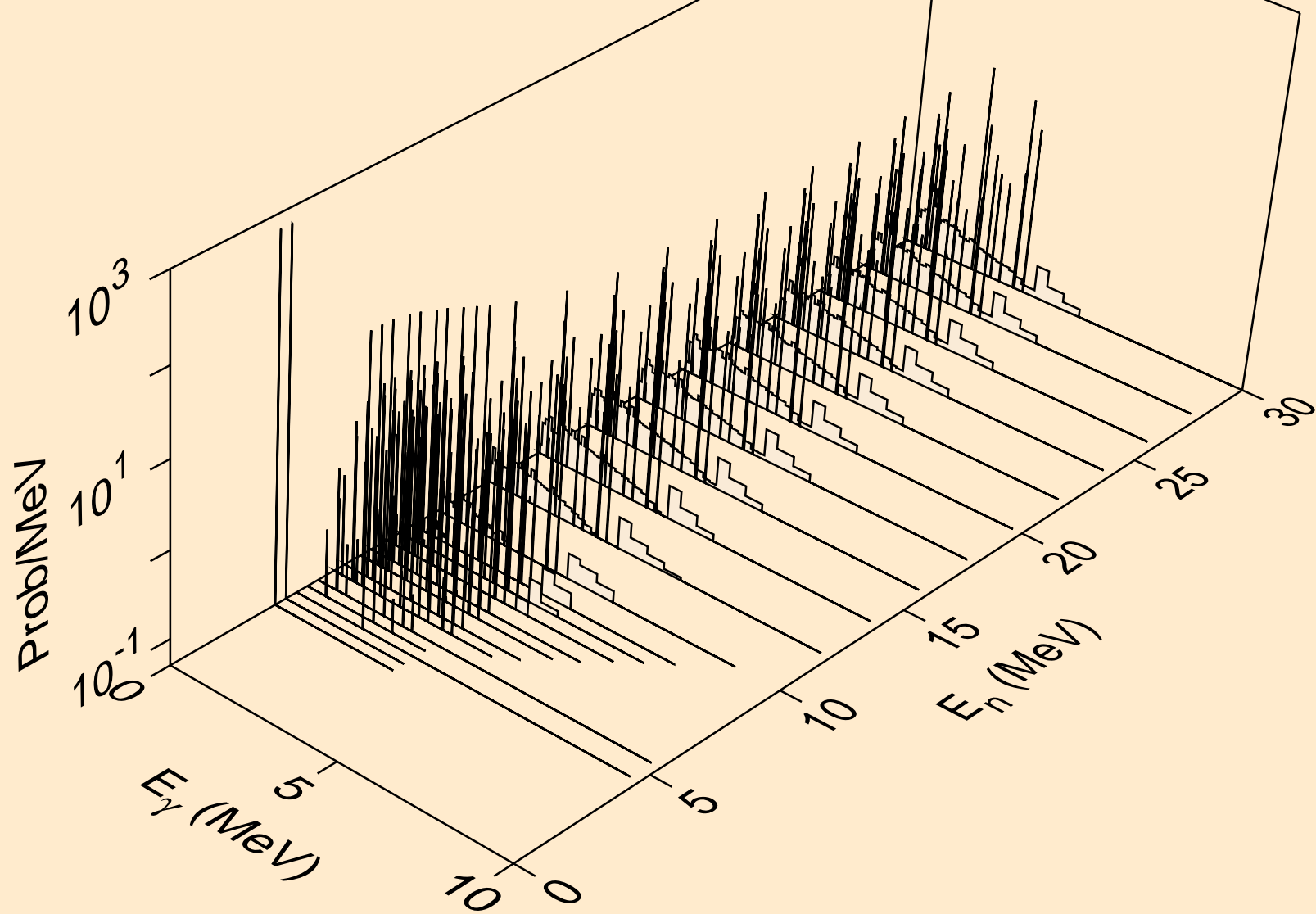
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Photon emission for (n,n\*c)



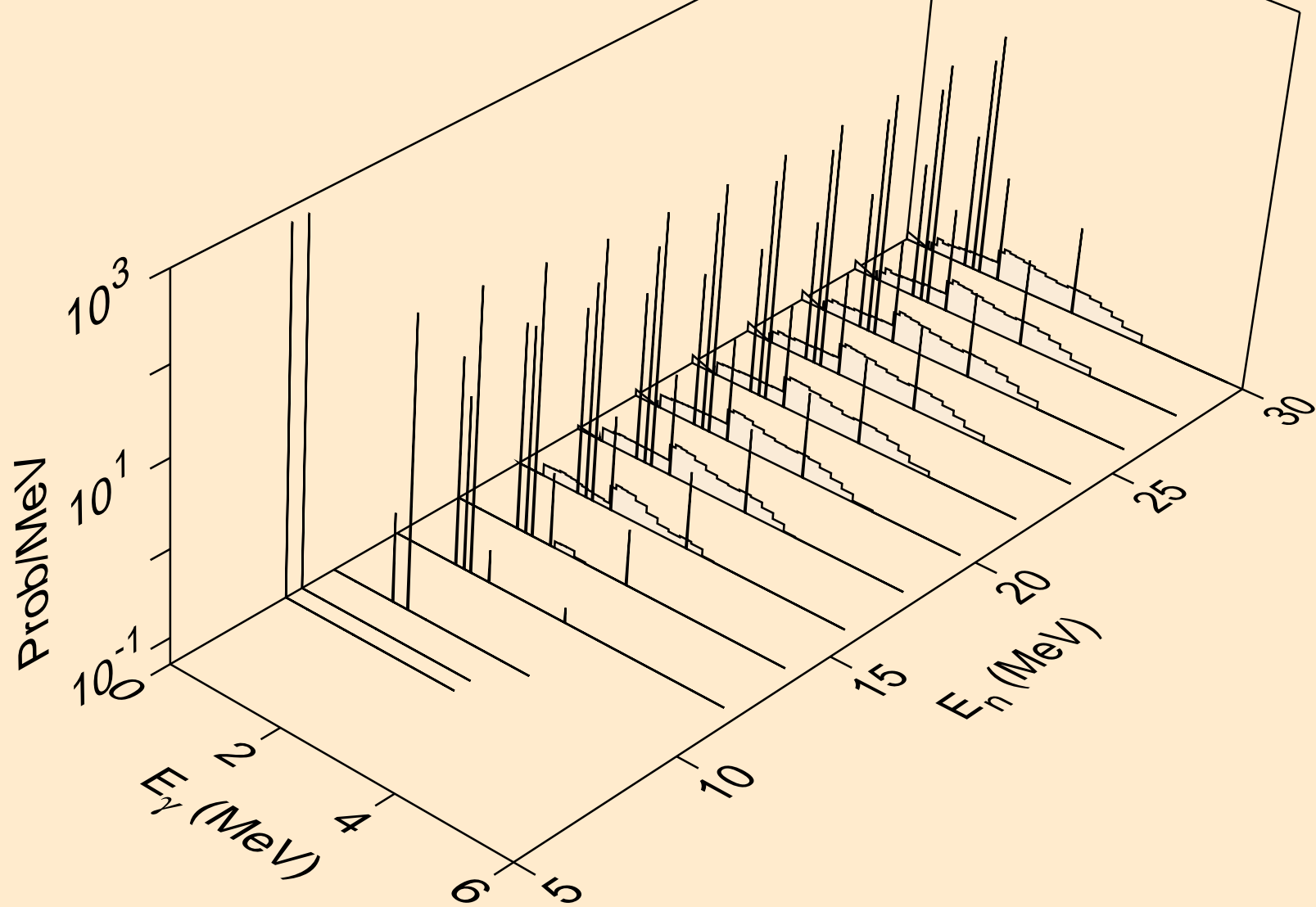
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Photon emission for (n,gma)



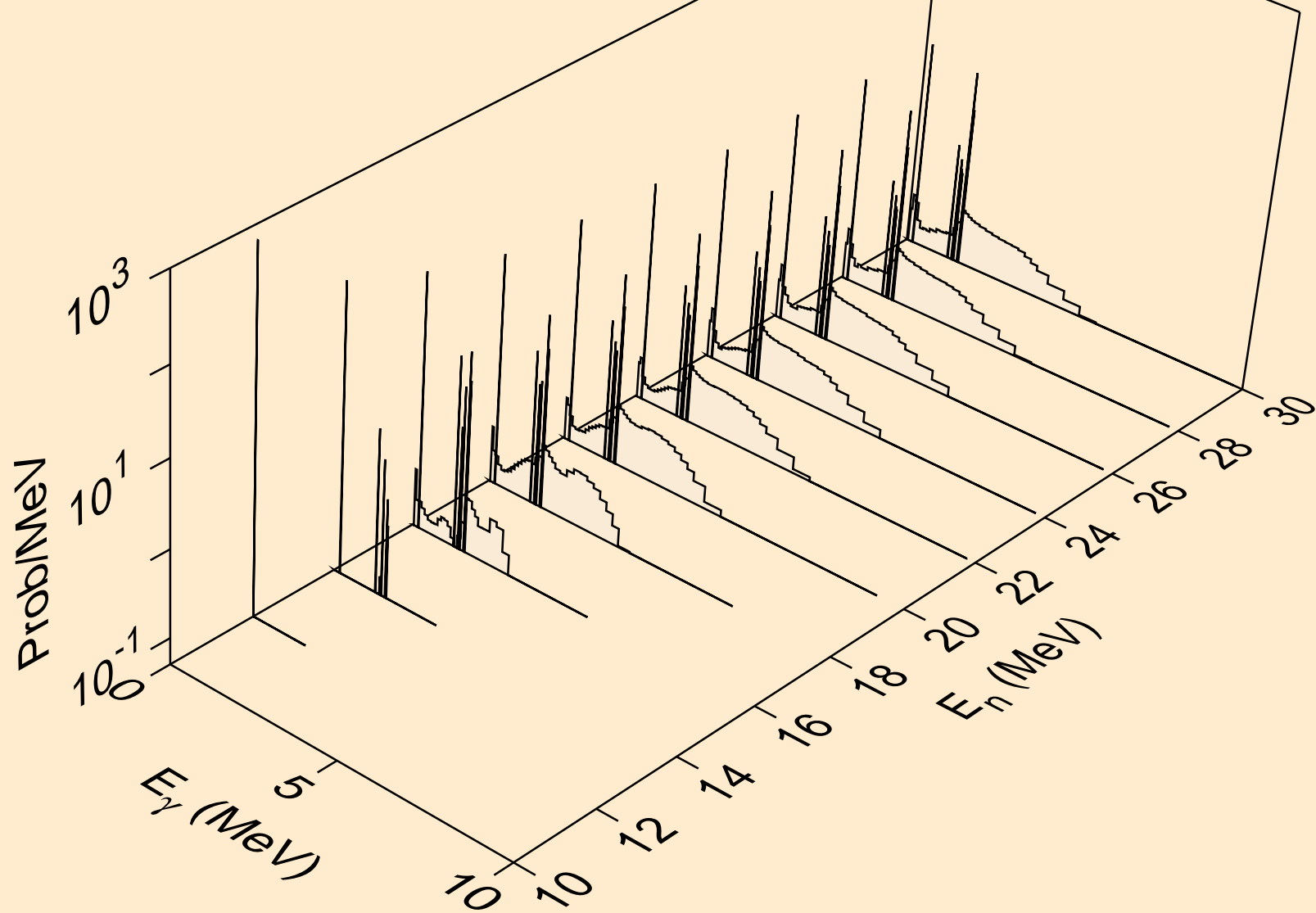
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Photon emission for (n,p)



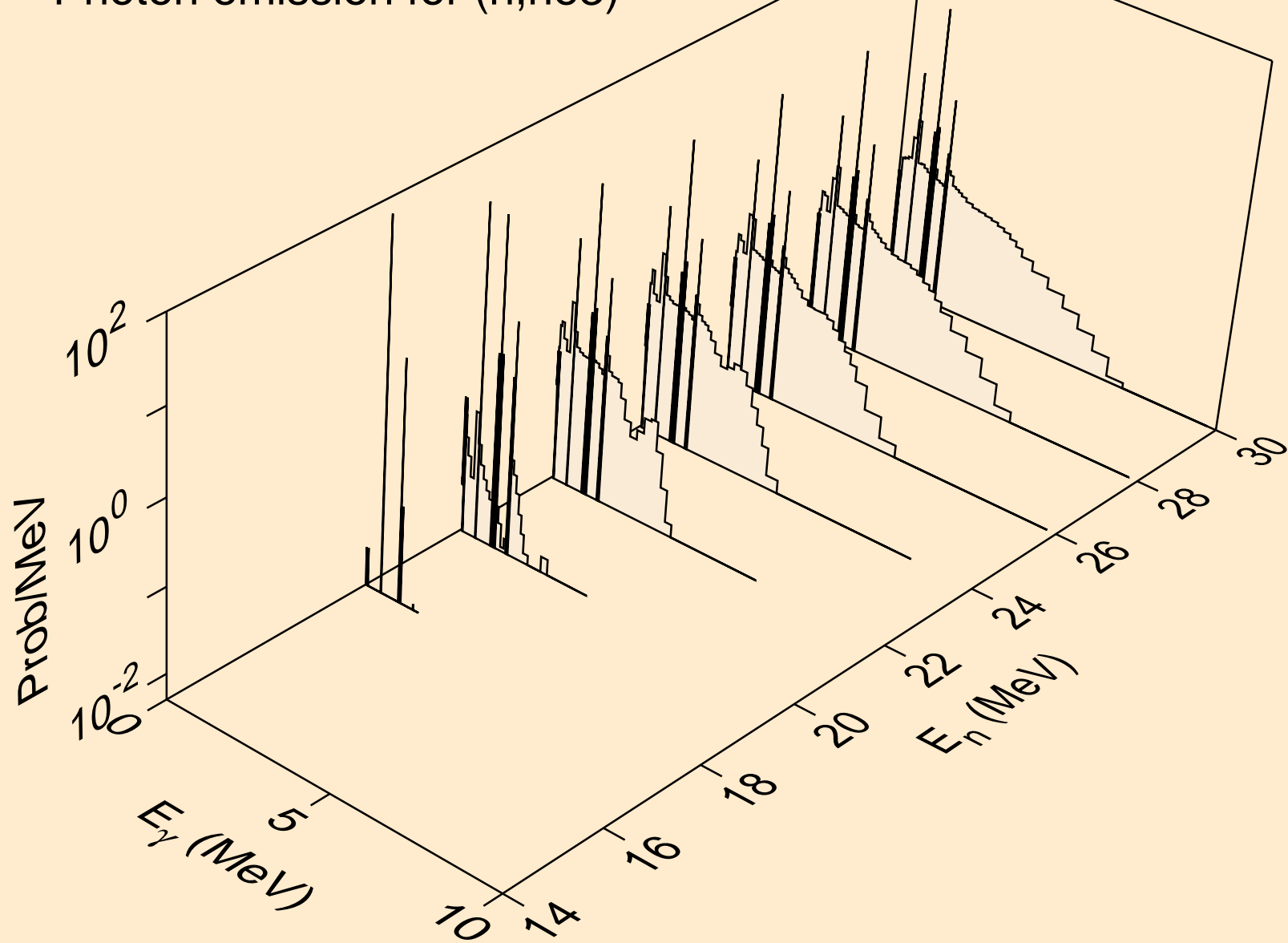
SC047 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)



SC047 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)

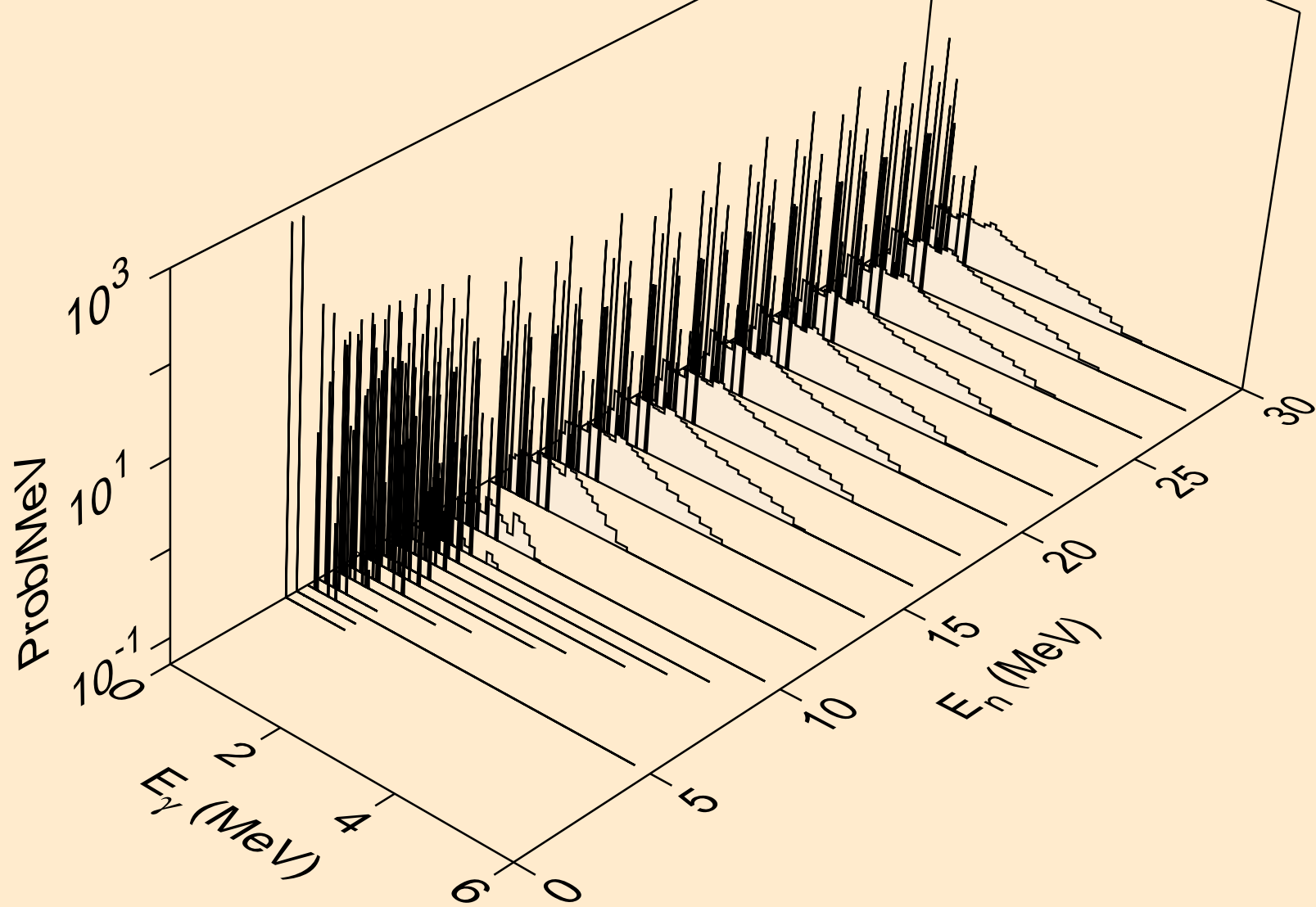


SC047 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)

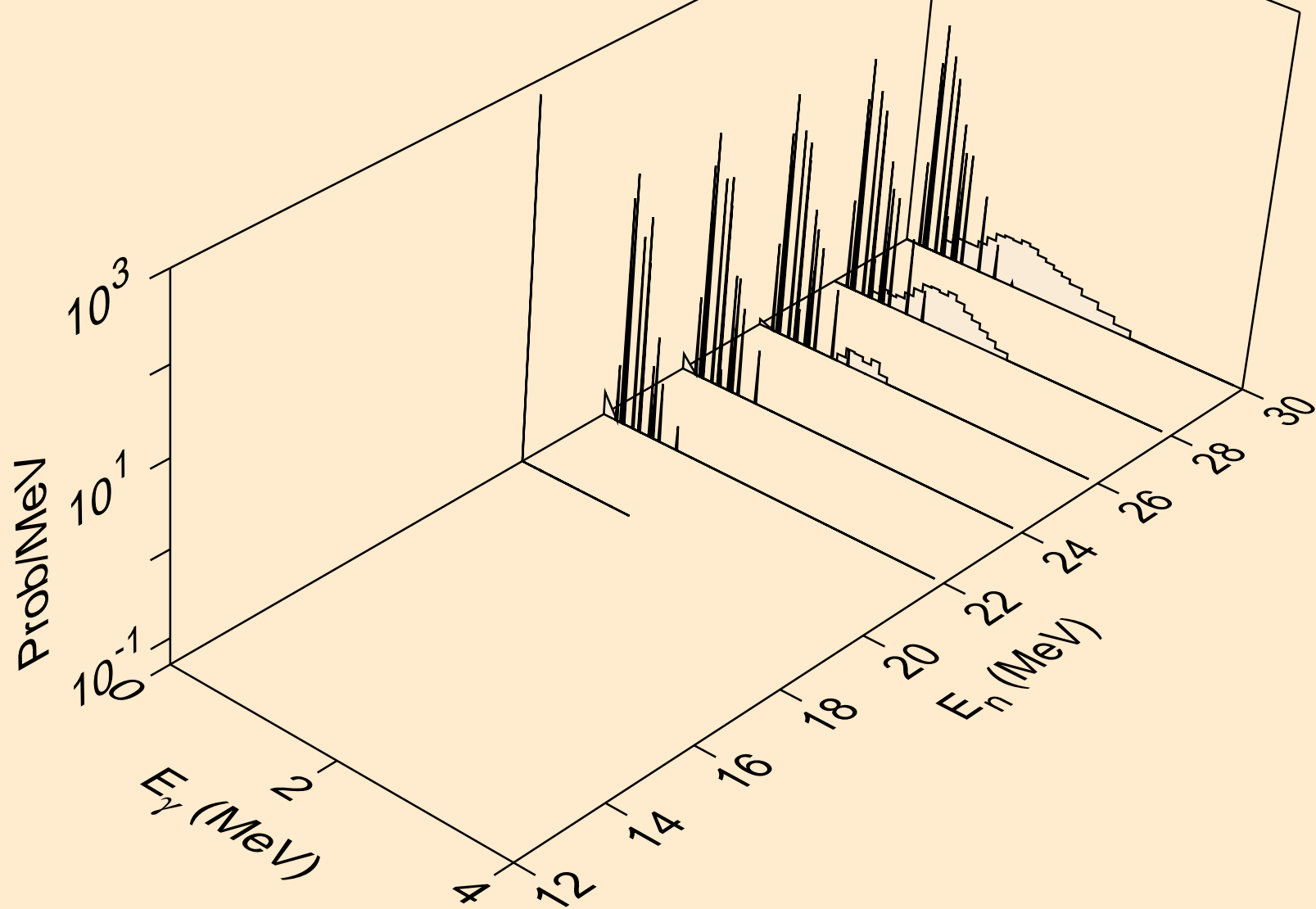




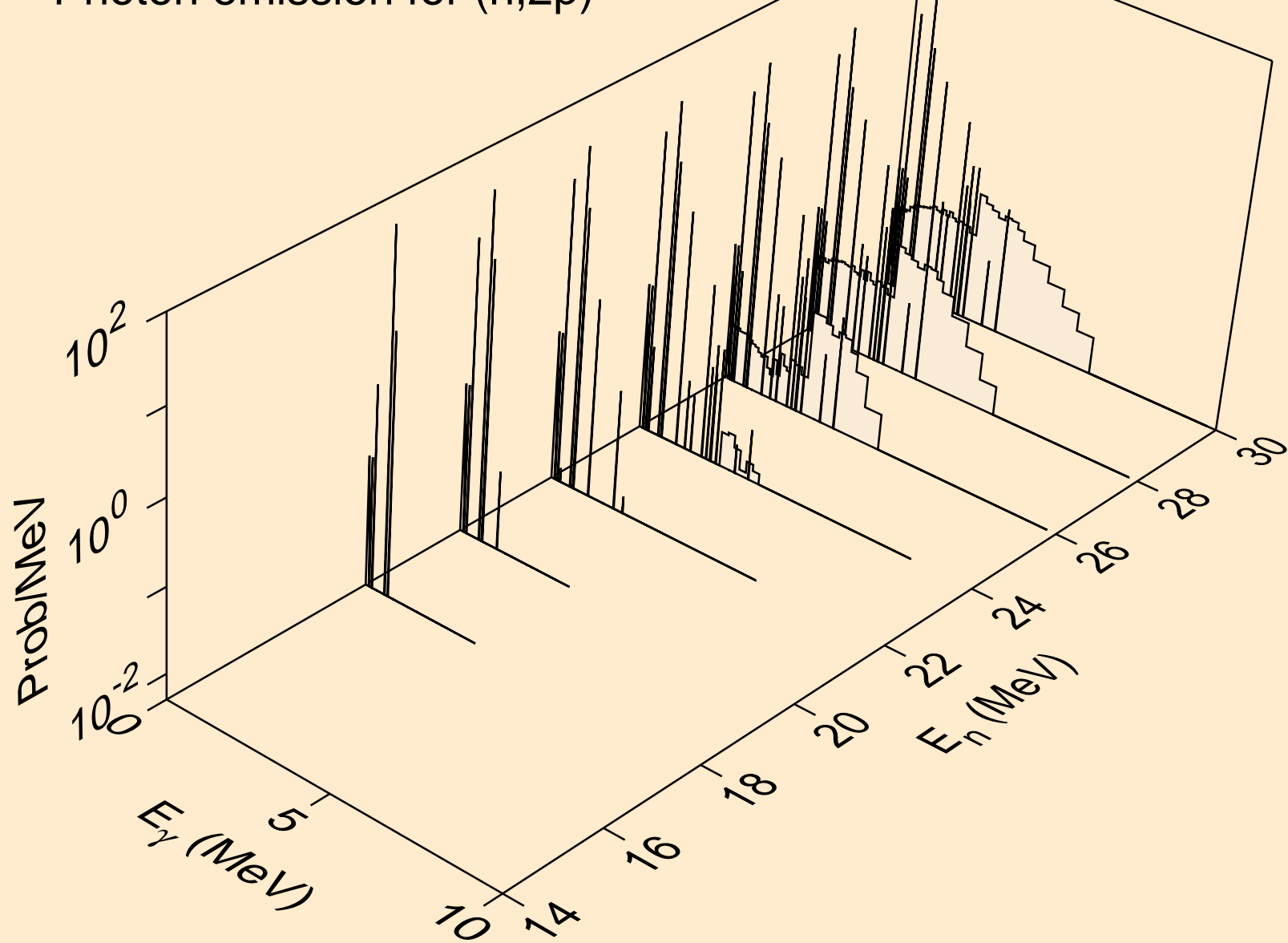
SC047 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)



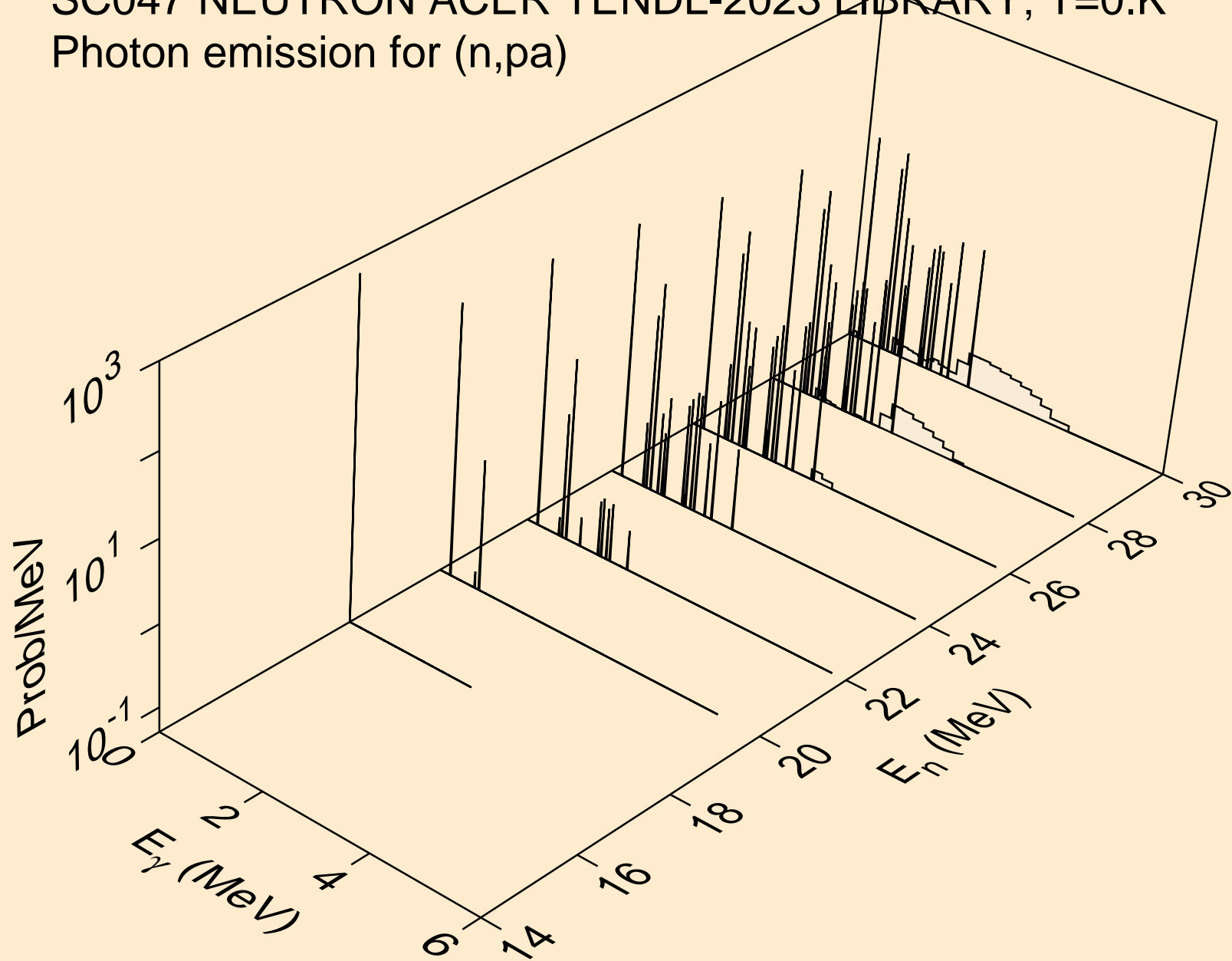
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Photon emission for (n,2a)



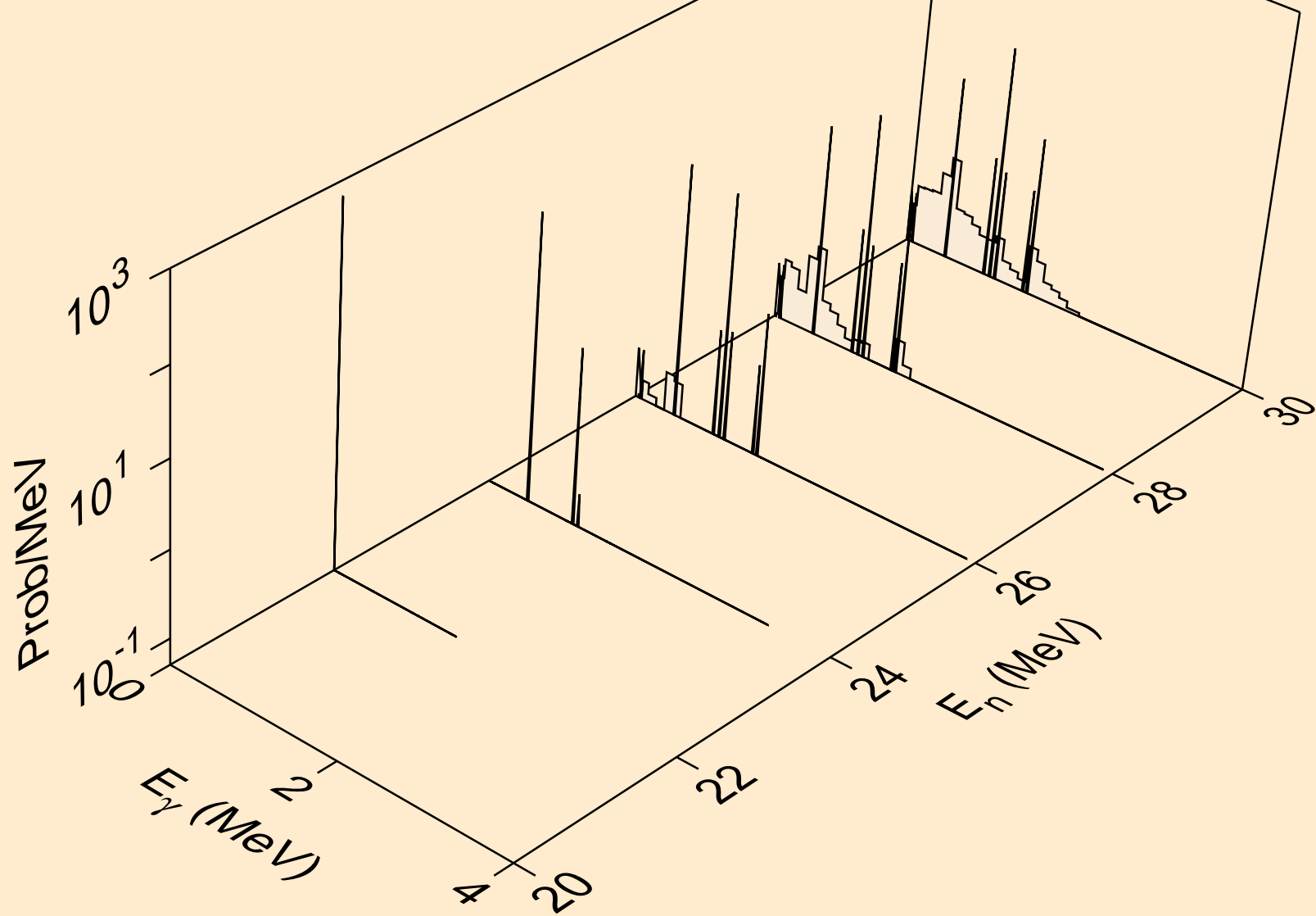
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Photon emission for (n,2p)



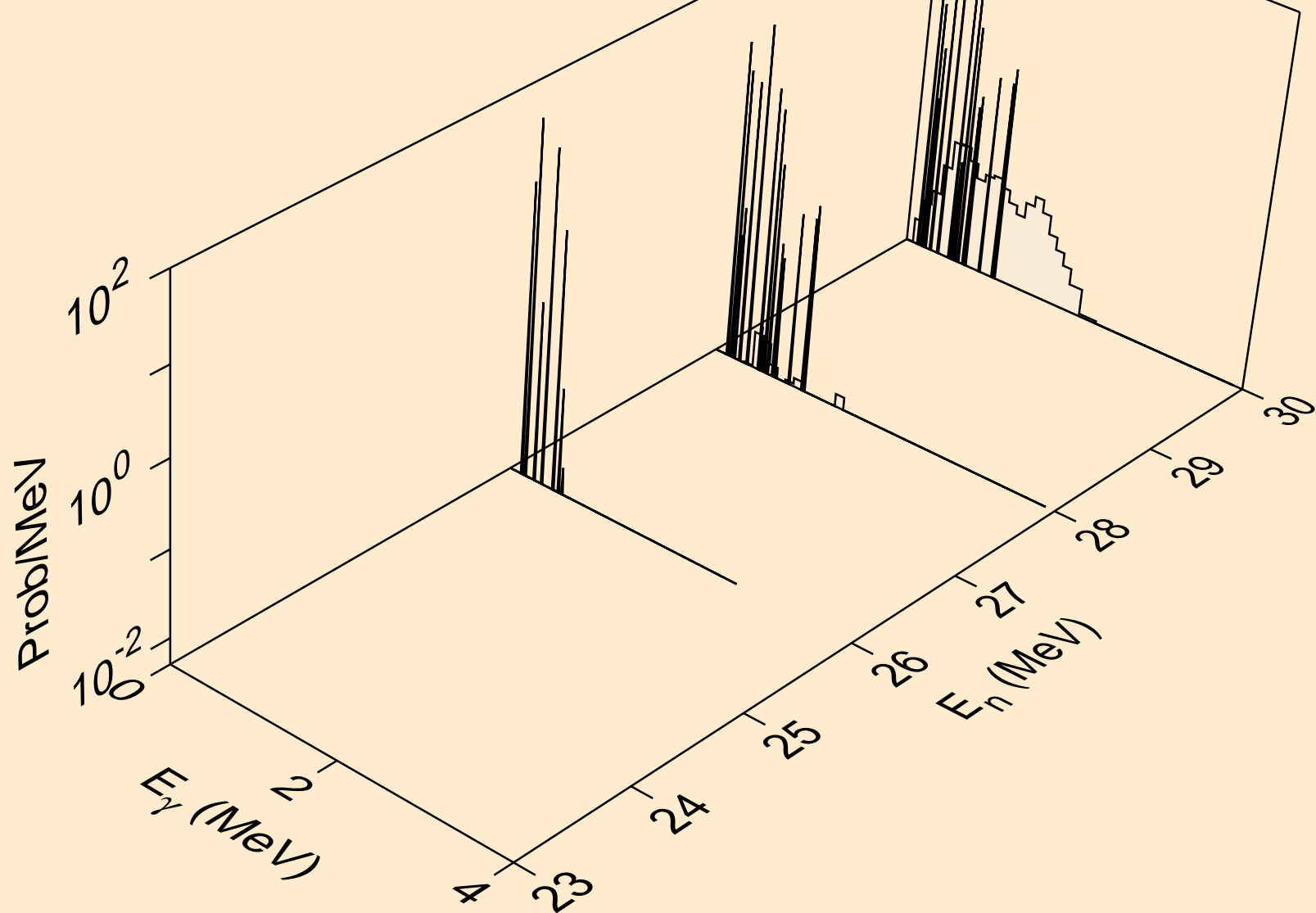
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Photon emission for (n,p $\alpha$ )



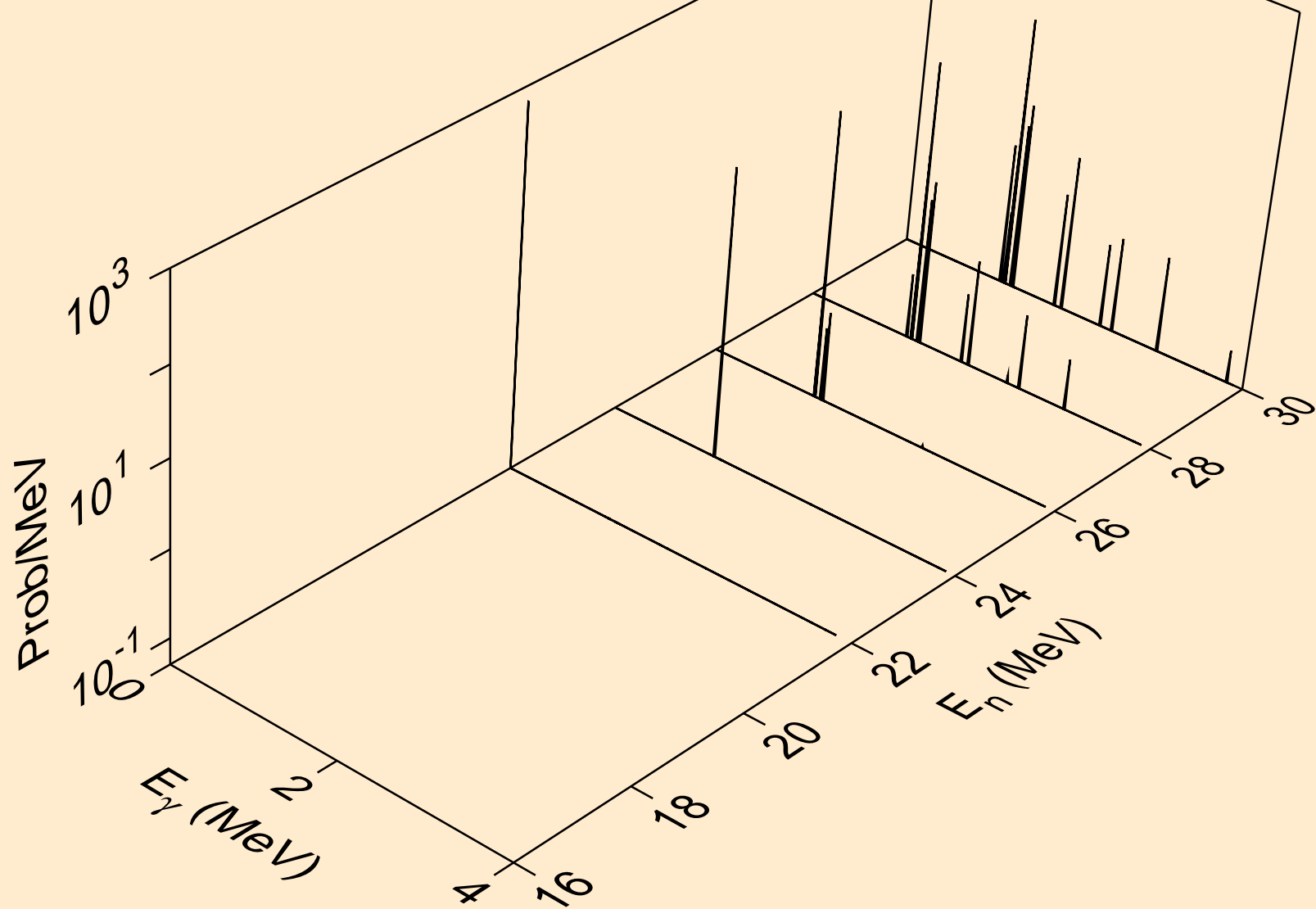
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Photon emission for (n,pd)



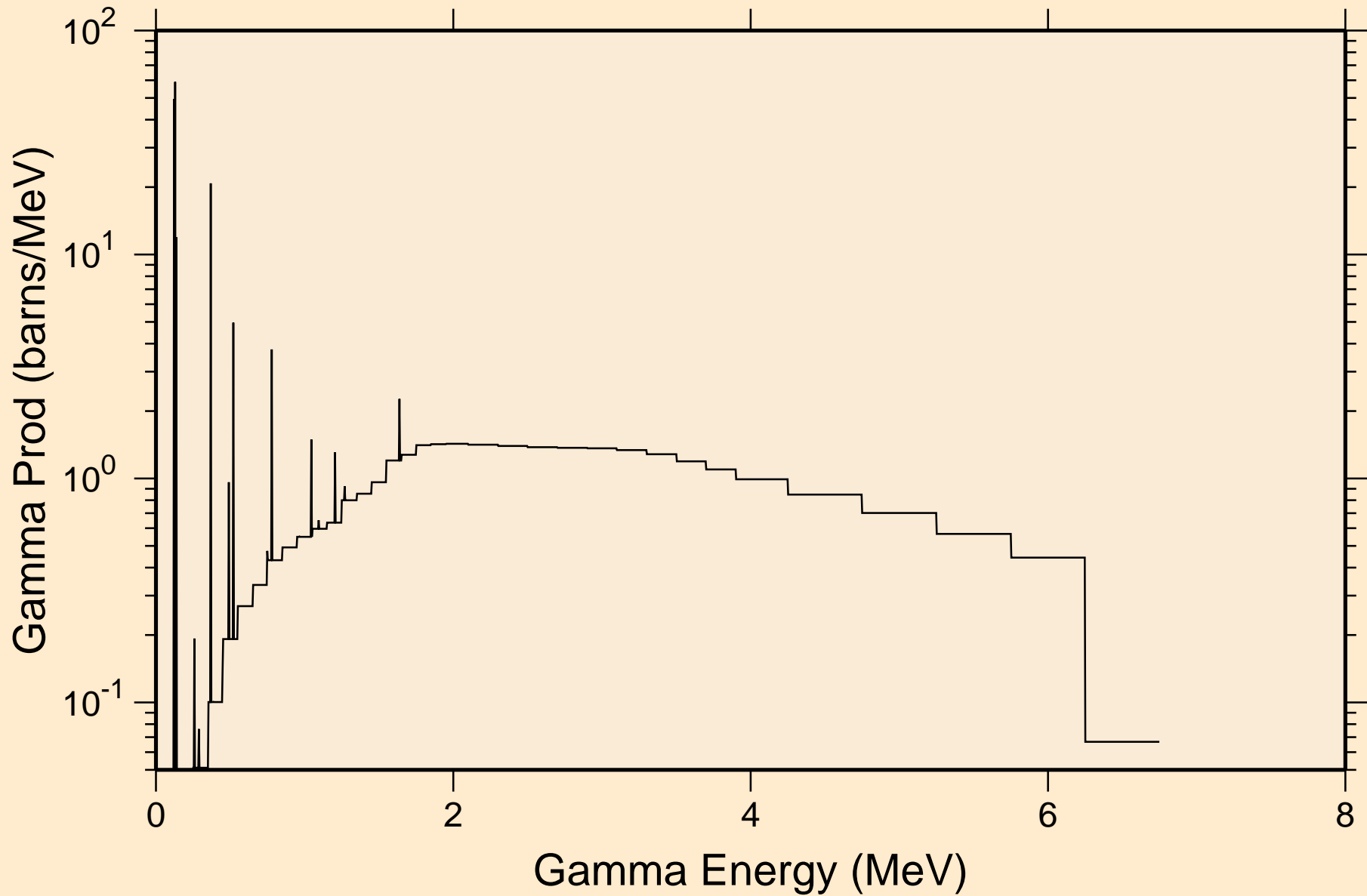
SC047 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)



SC047 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)

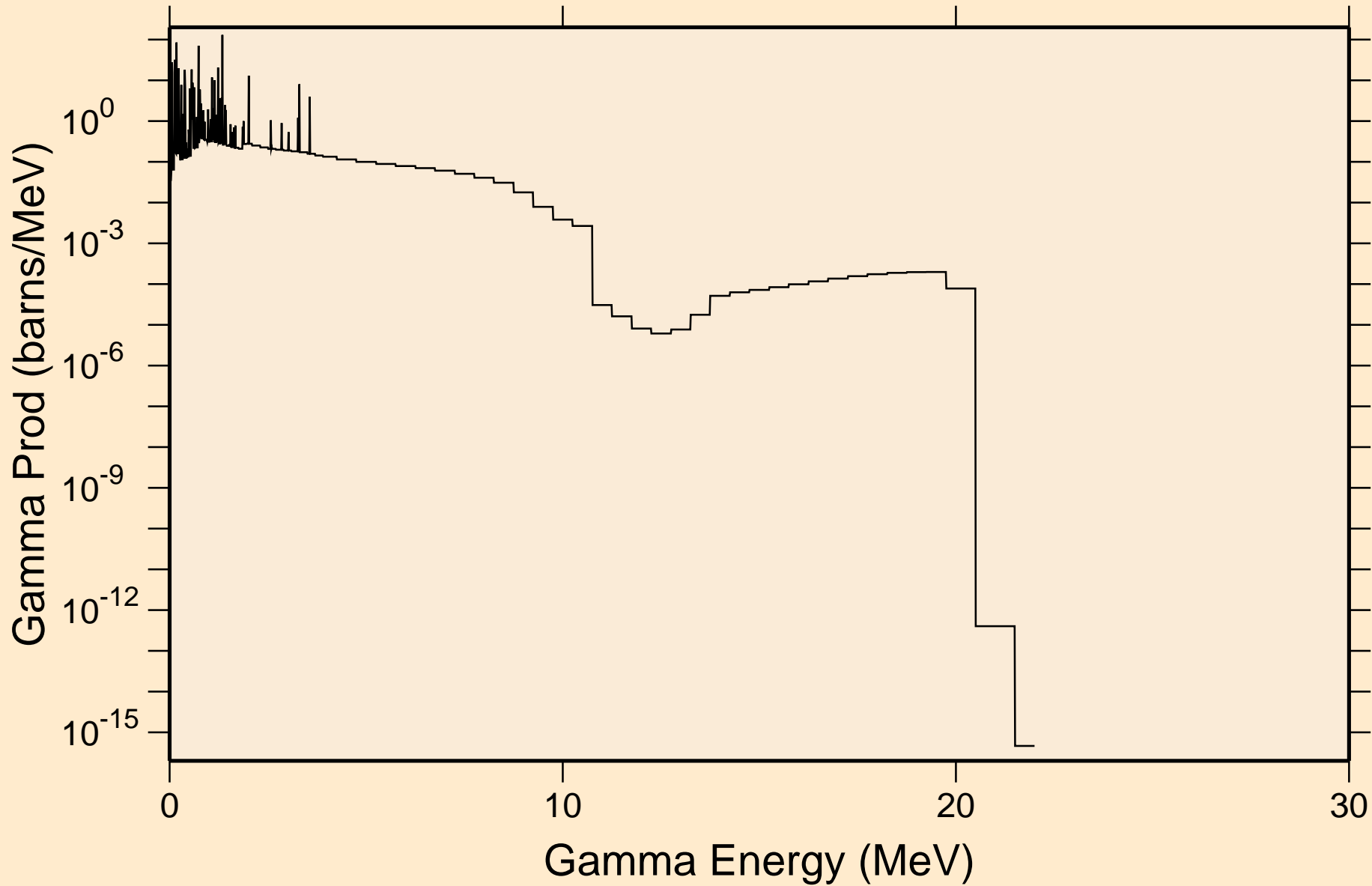


SC047 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
thermal capture photon spectrum



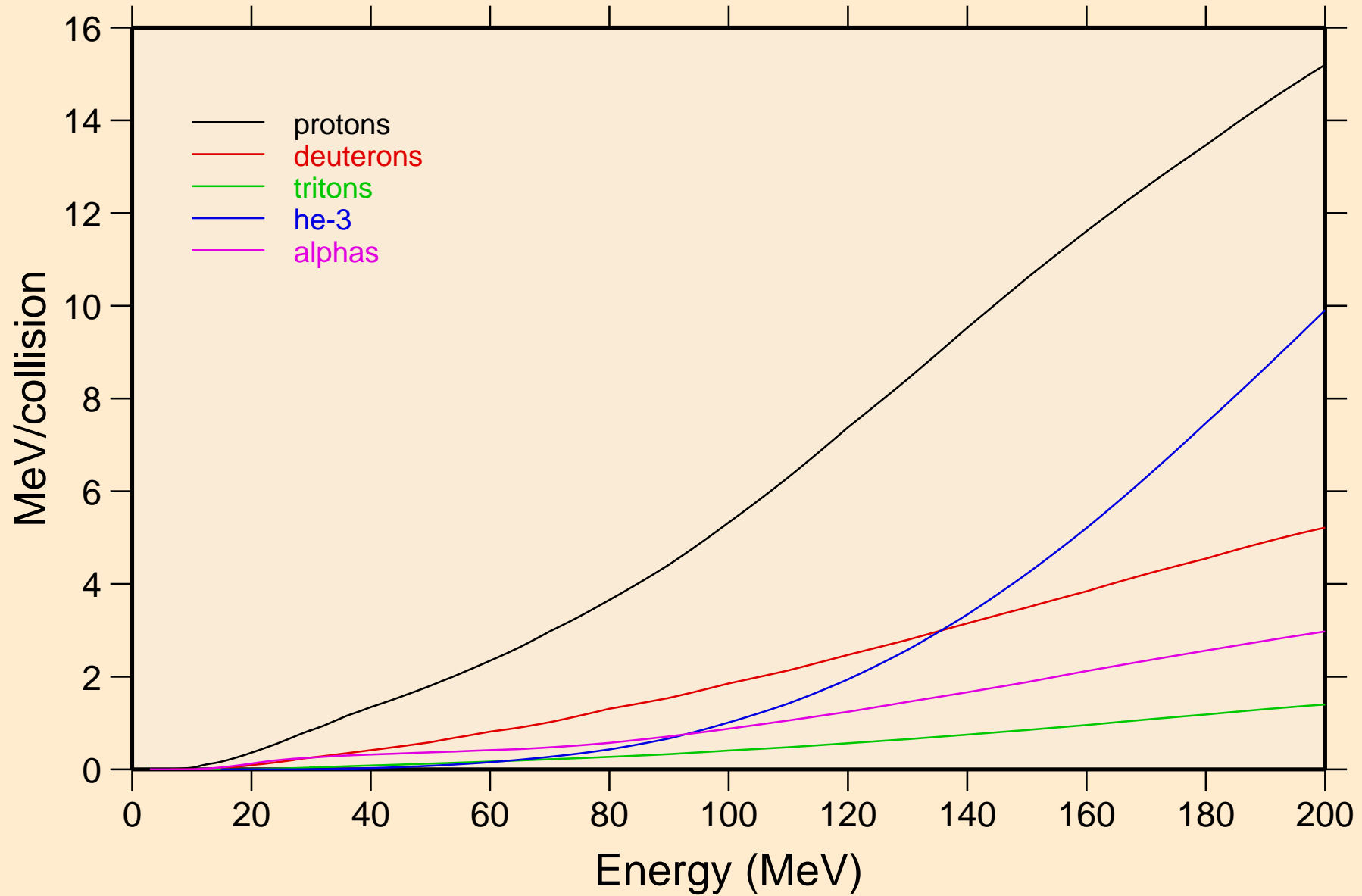


SC047 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
14 MeV photon spectrum

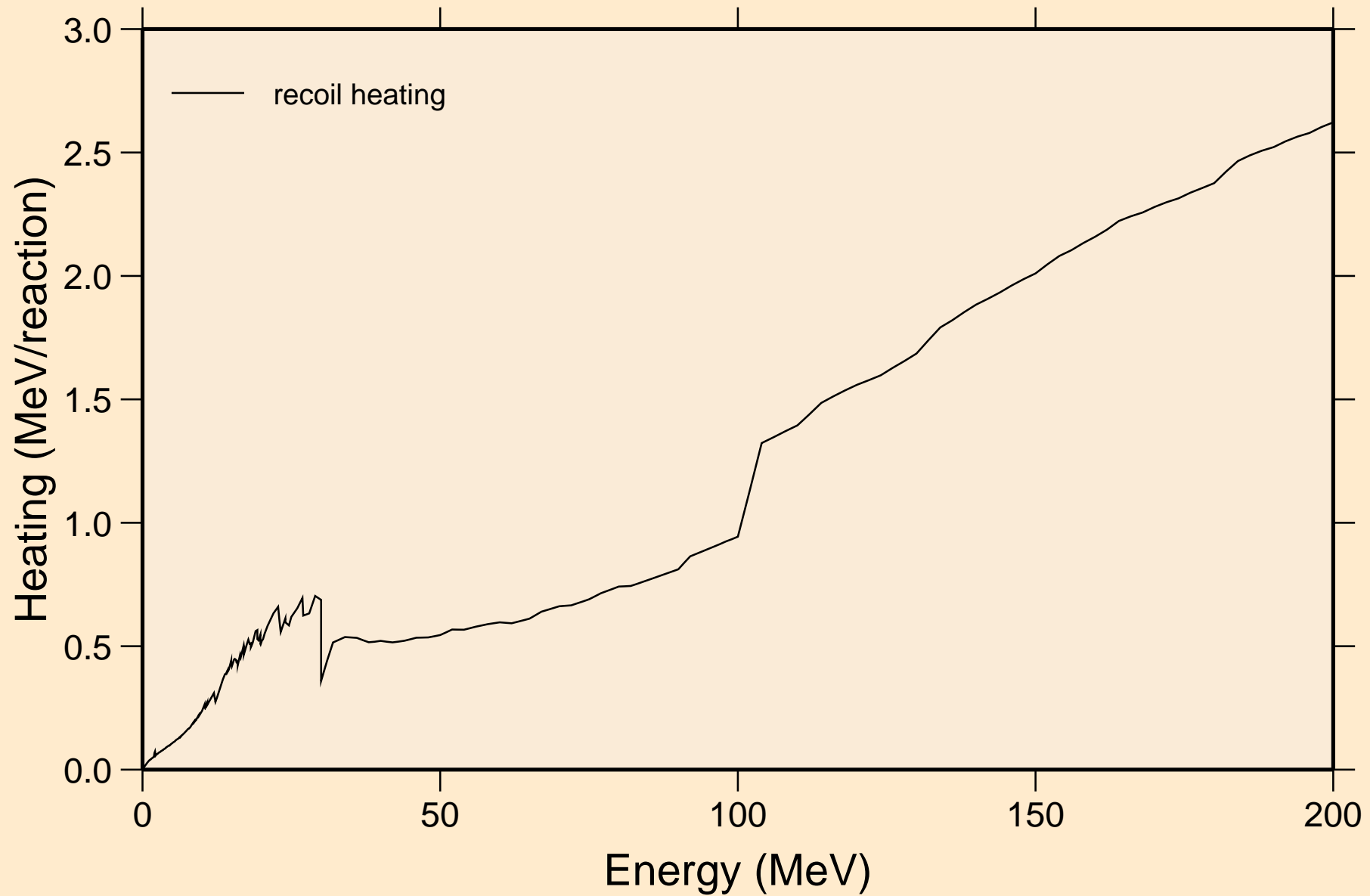


# SC047 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Particle heating contributions

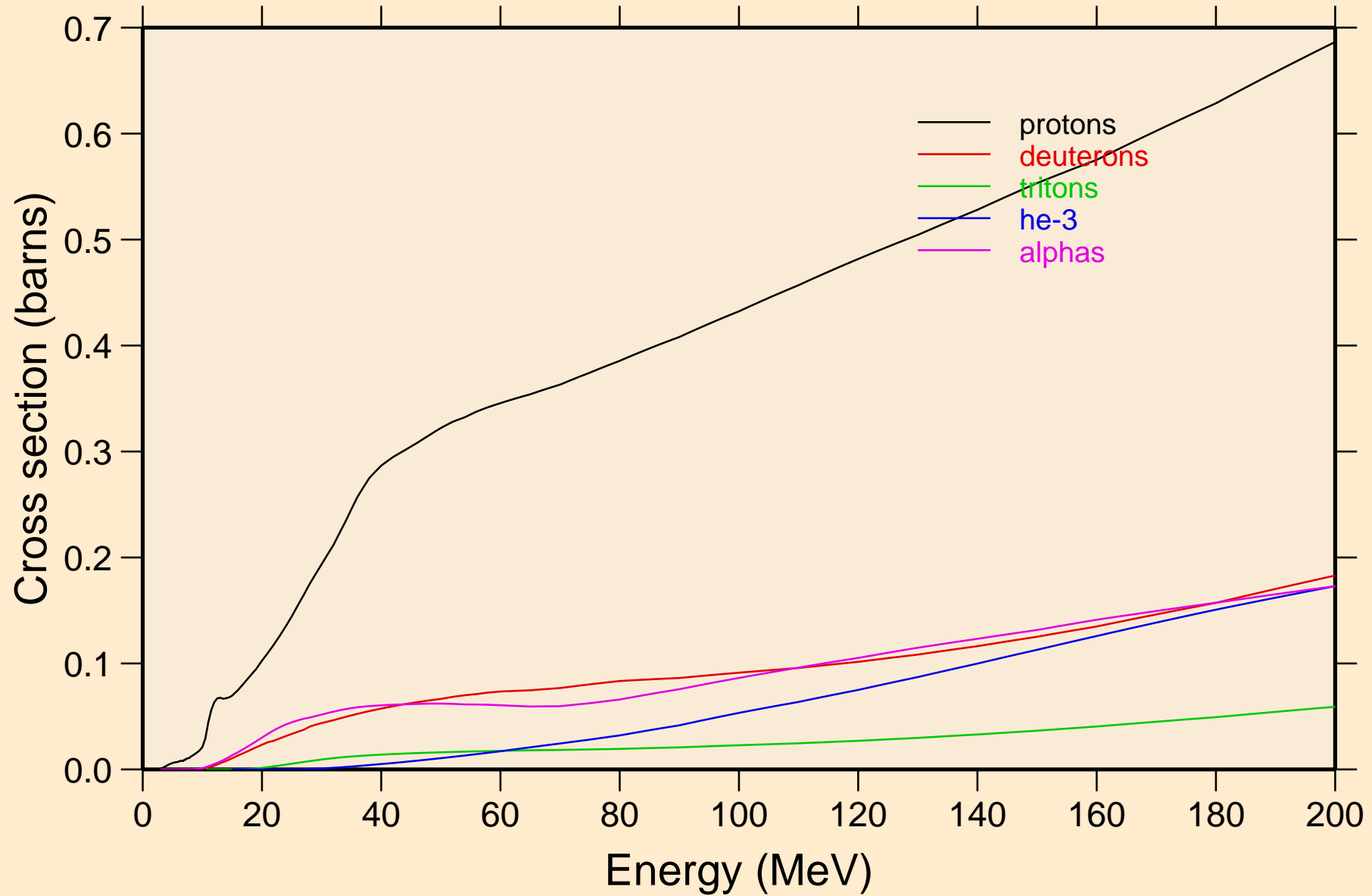


SC047 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating

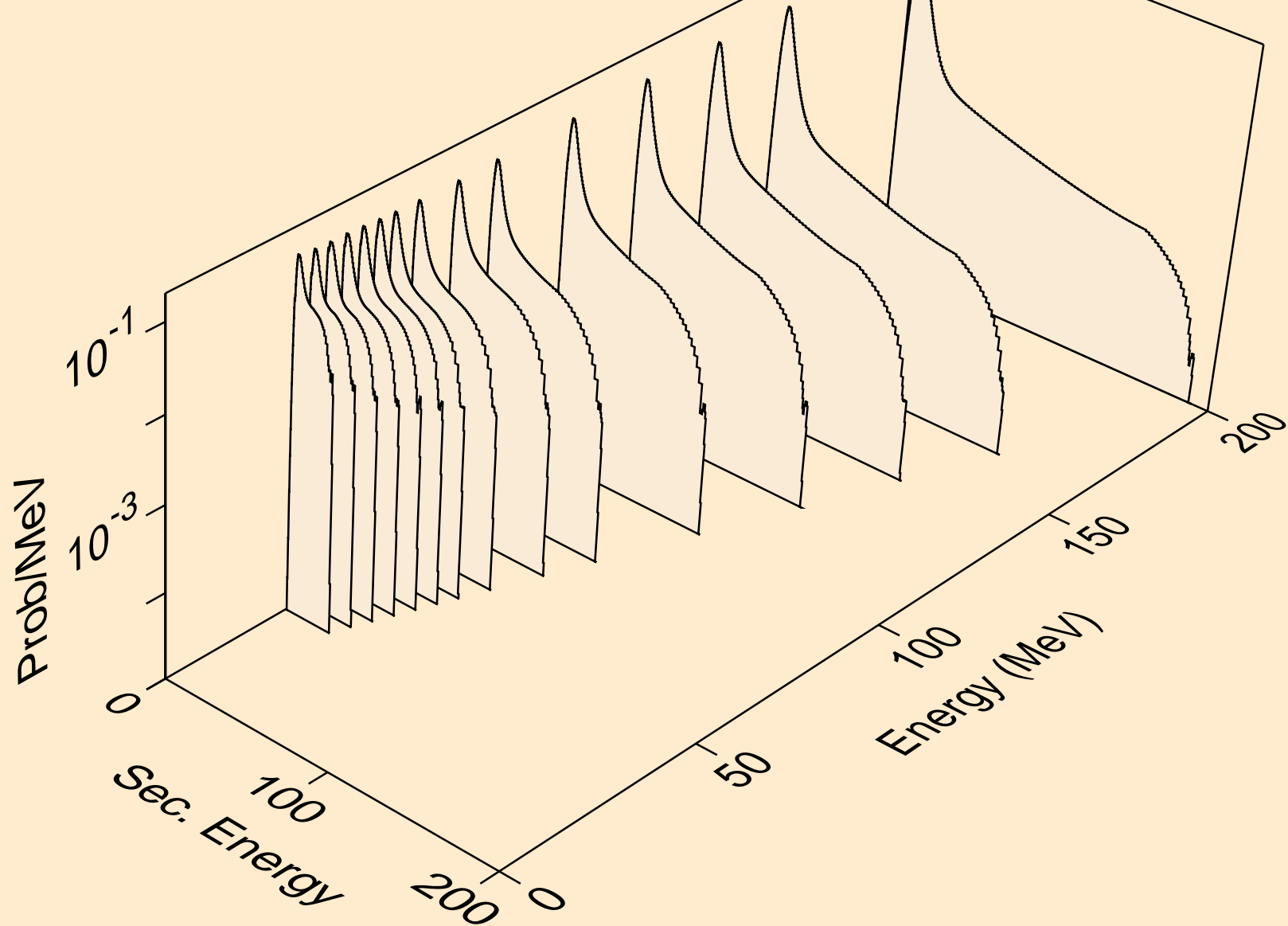


# SC047 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

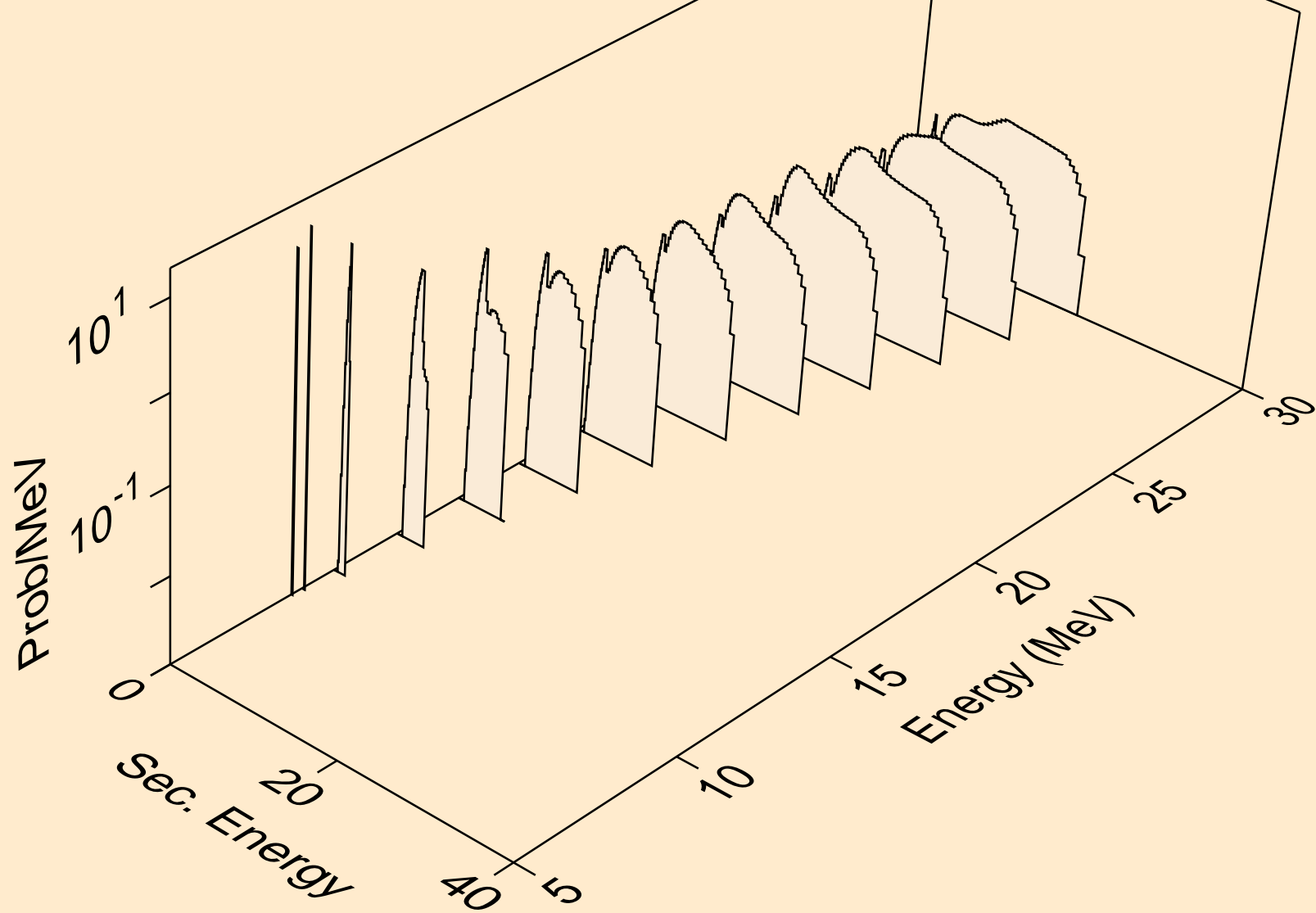
## Particle production cross sections



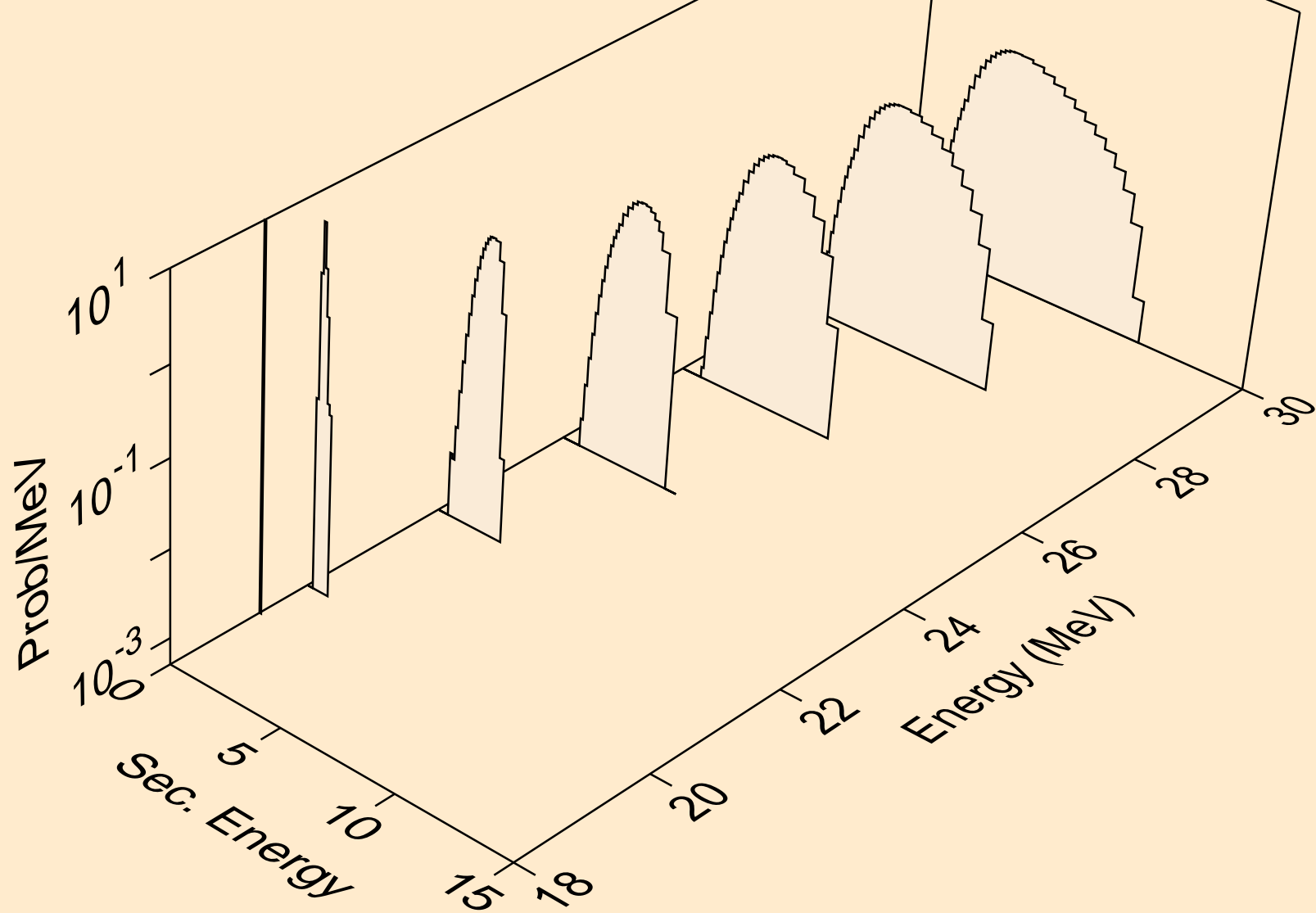
SC047 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,x)



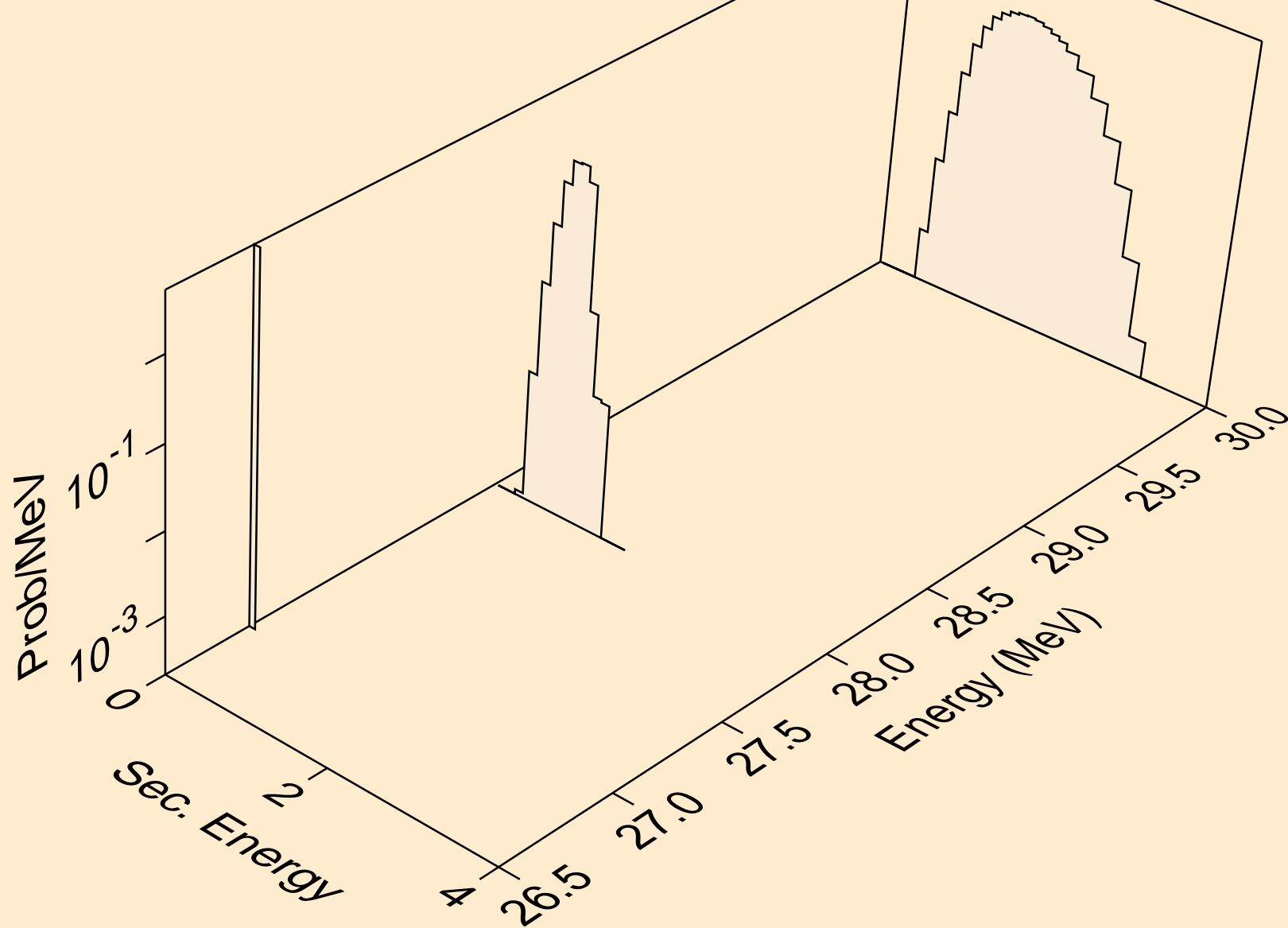
SC047 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n\*)p



SC047 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,2np)

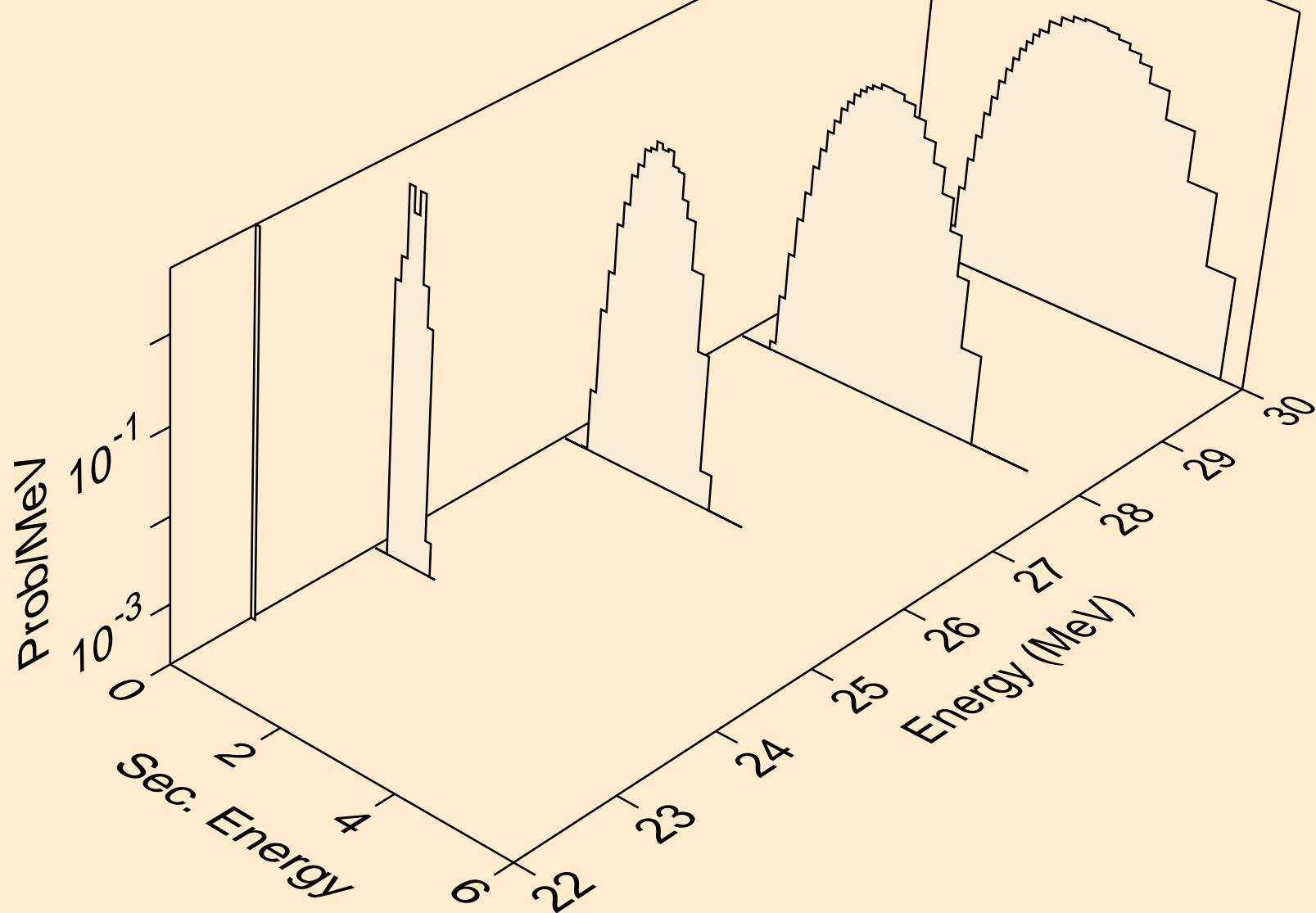


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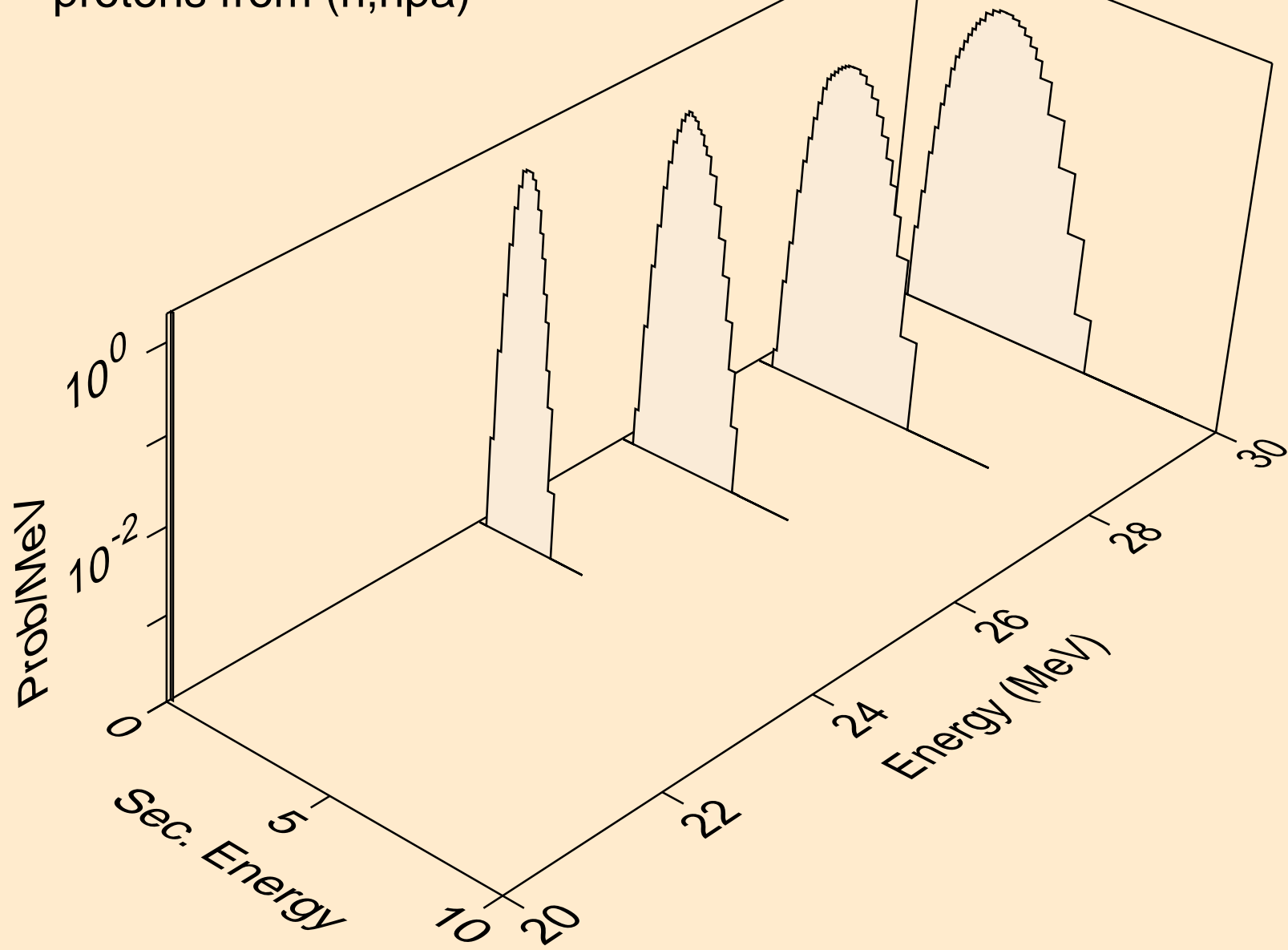




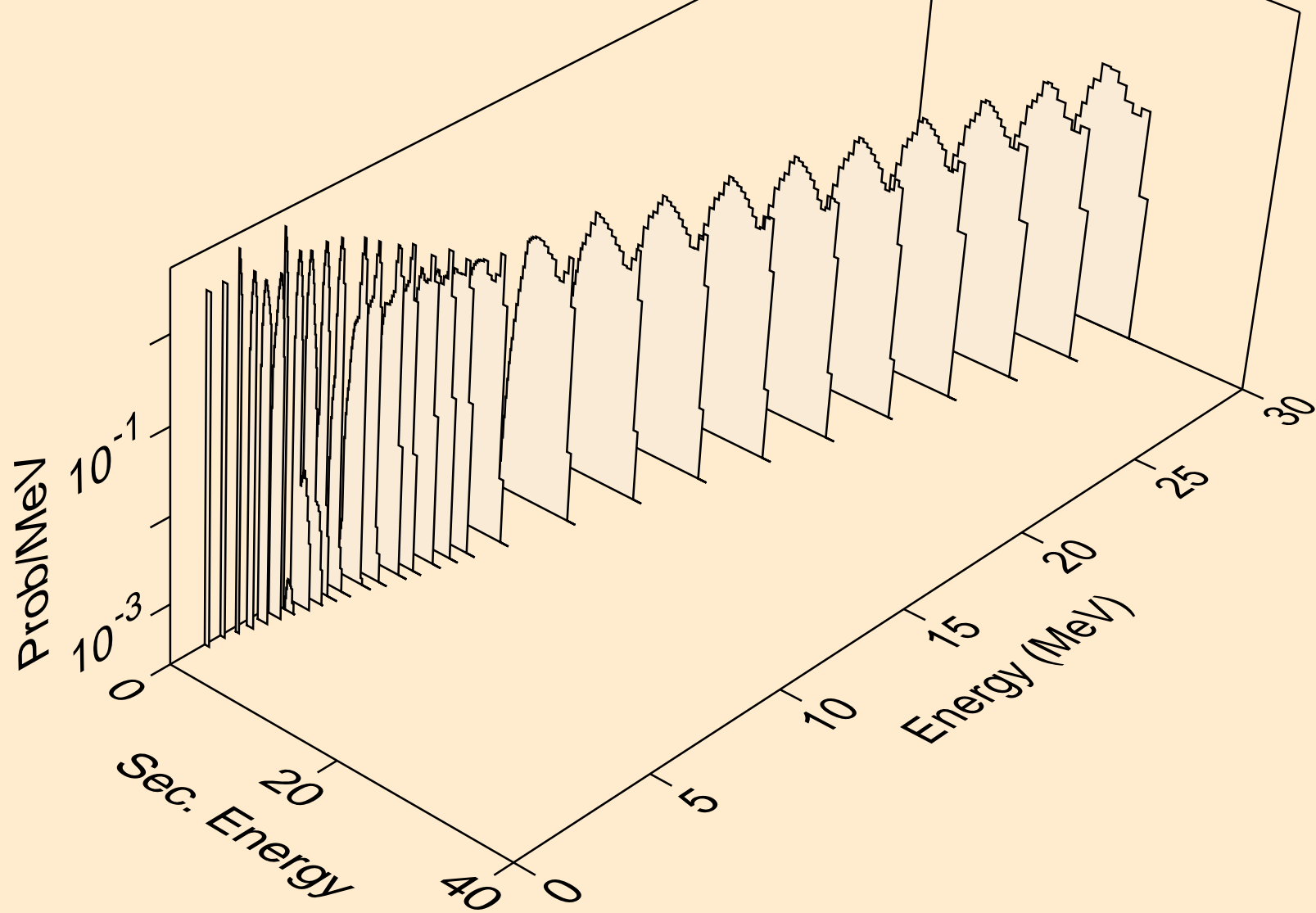
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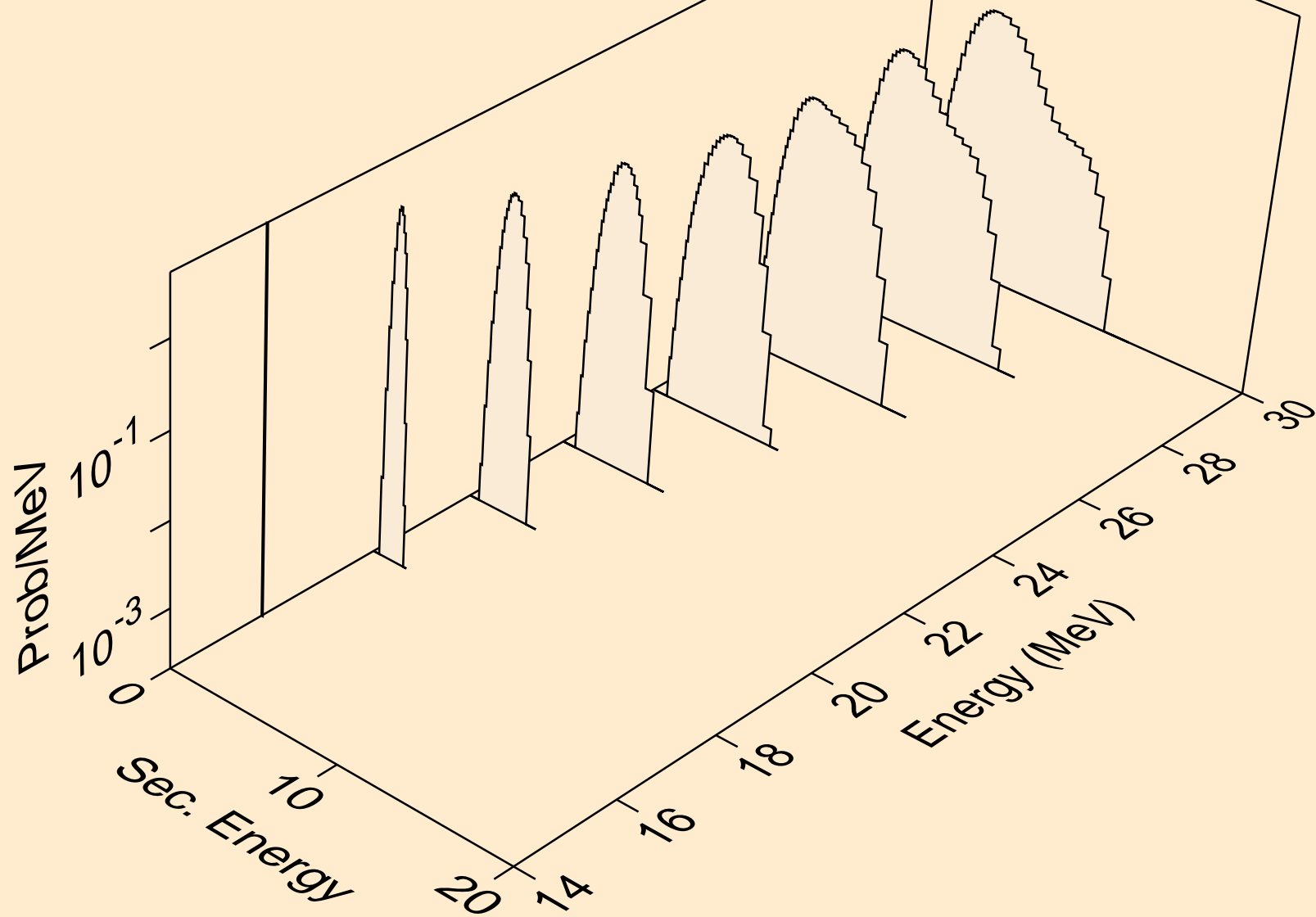
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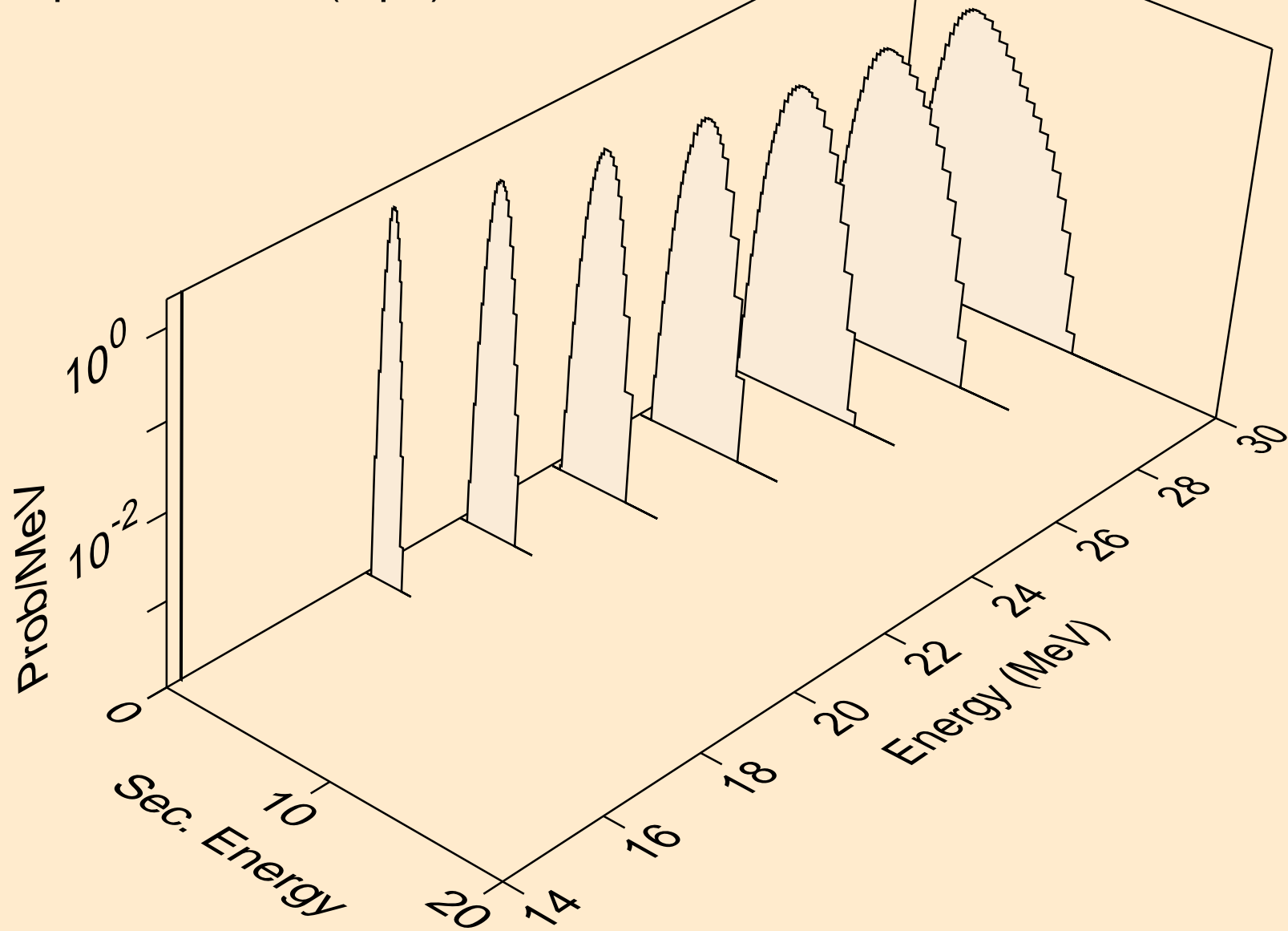
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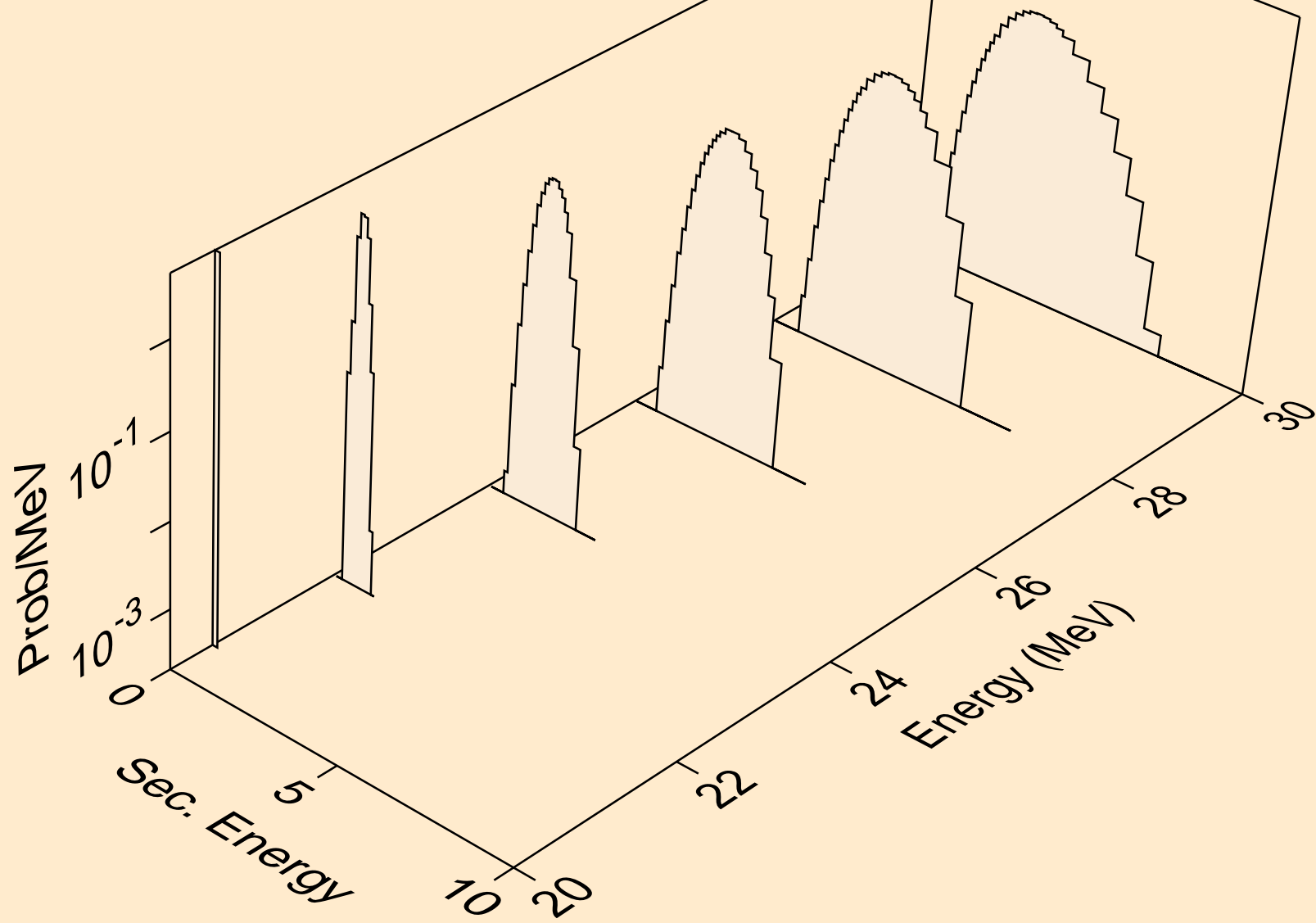
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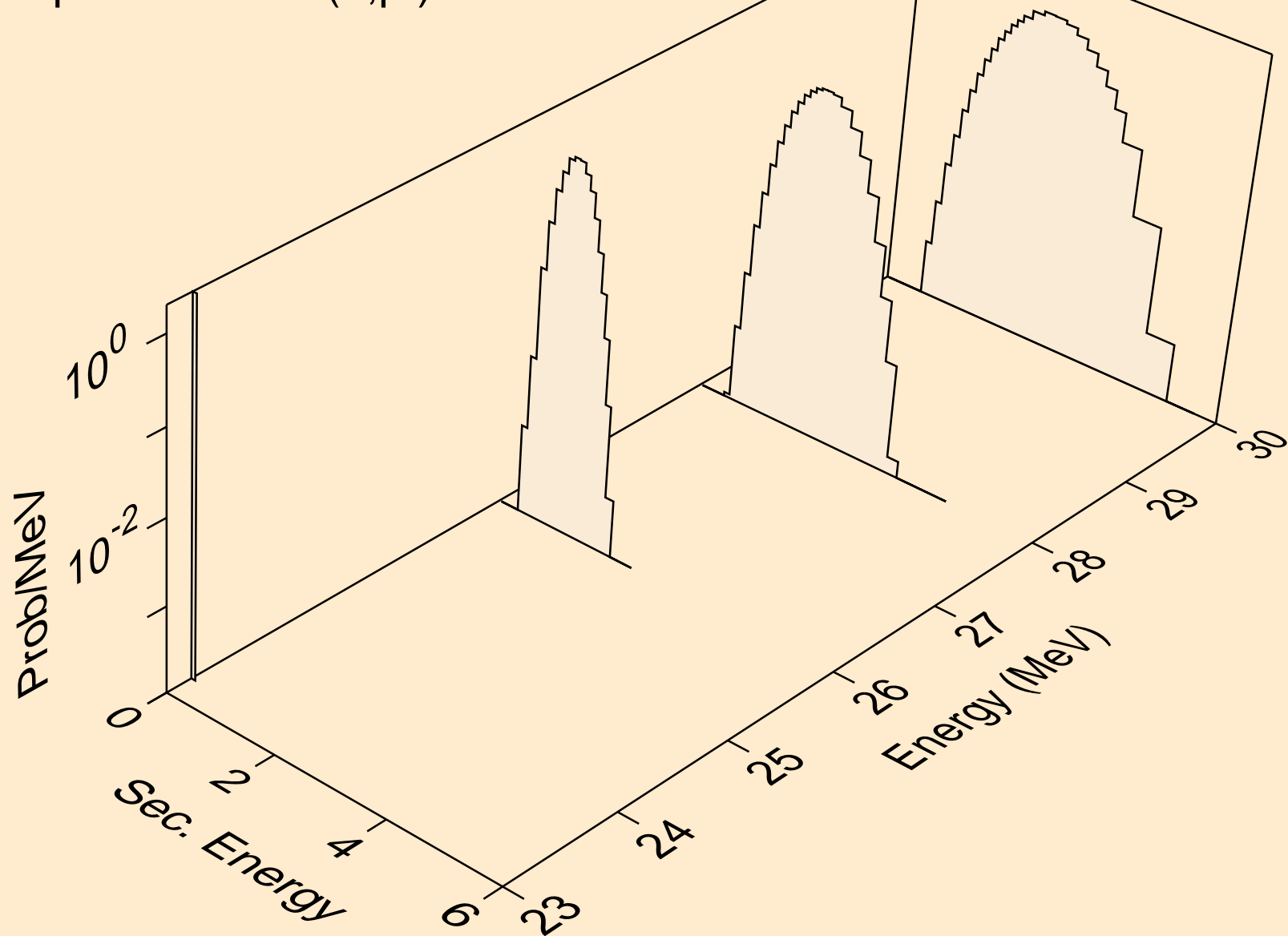
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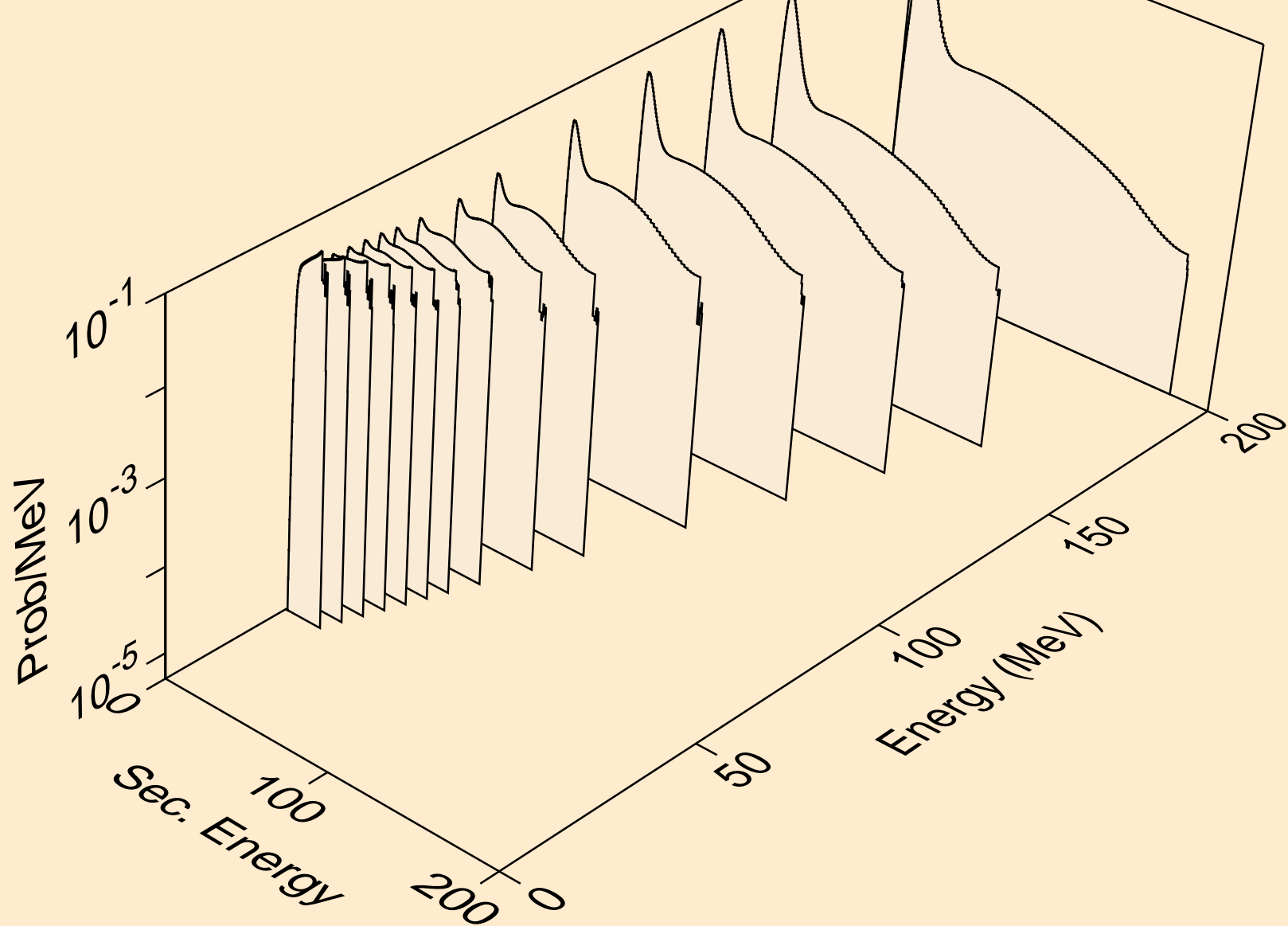
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protons from (n,pd)



SC047 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,pt)

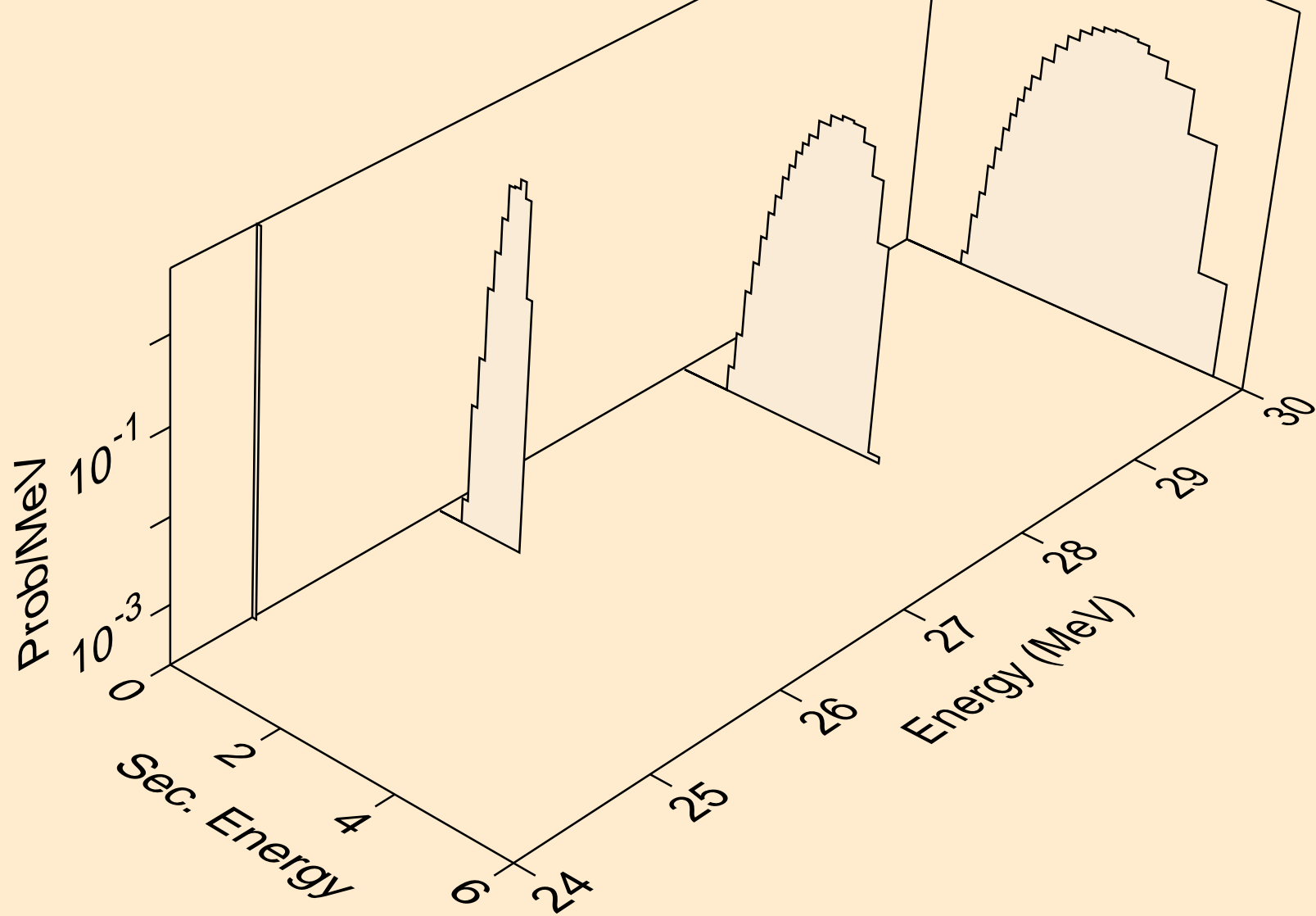


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deuterons from (n,x)

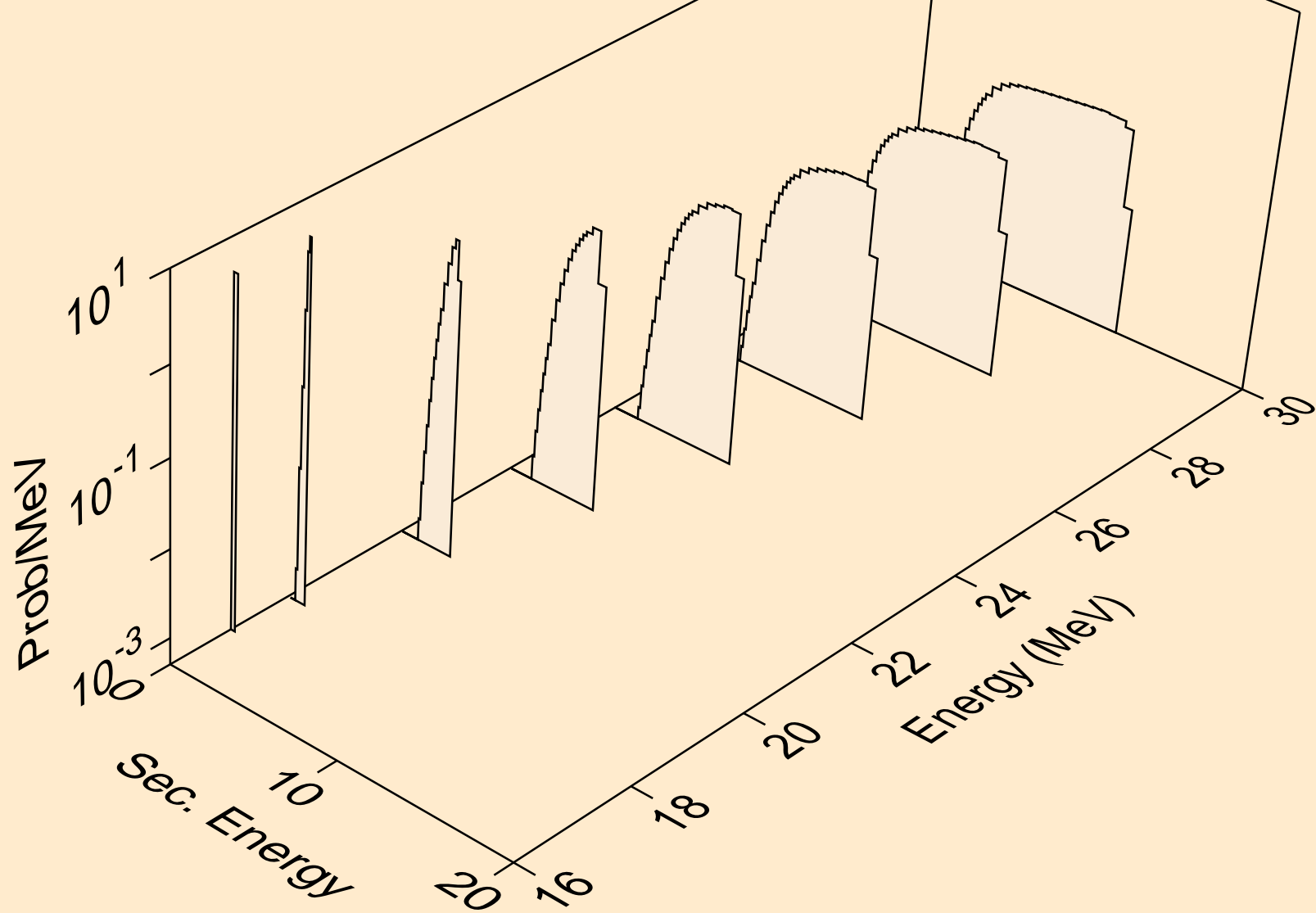




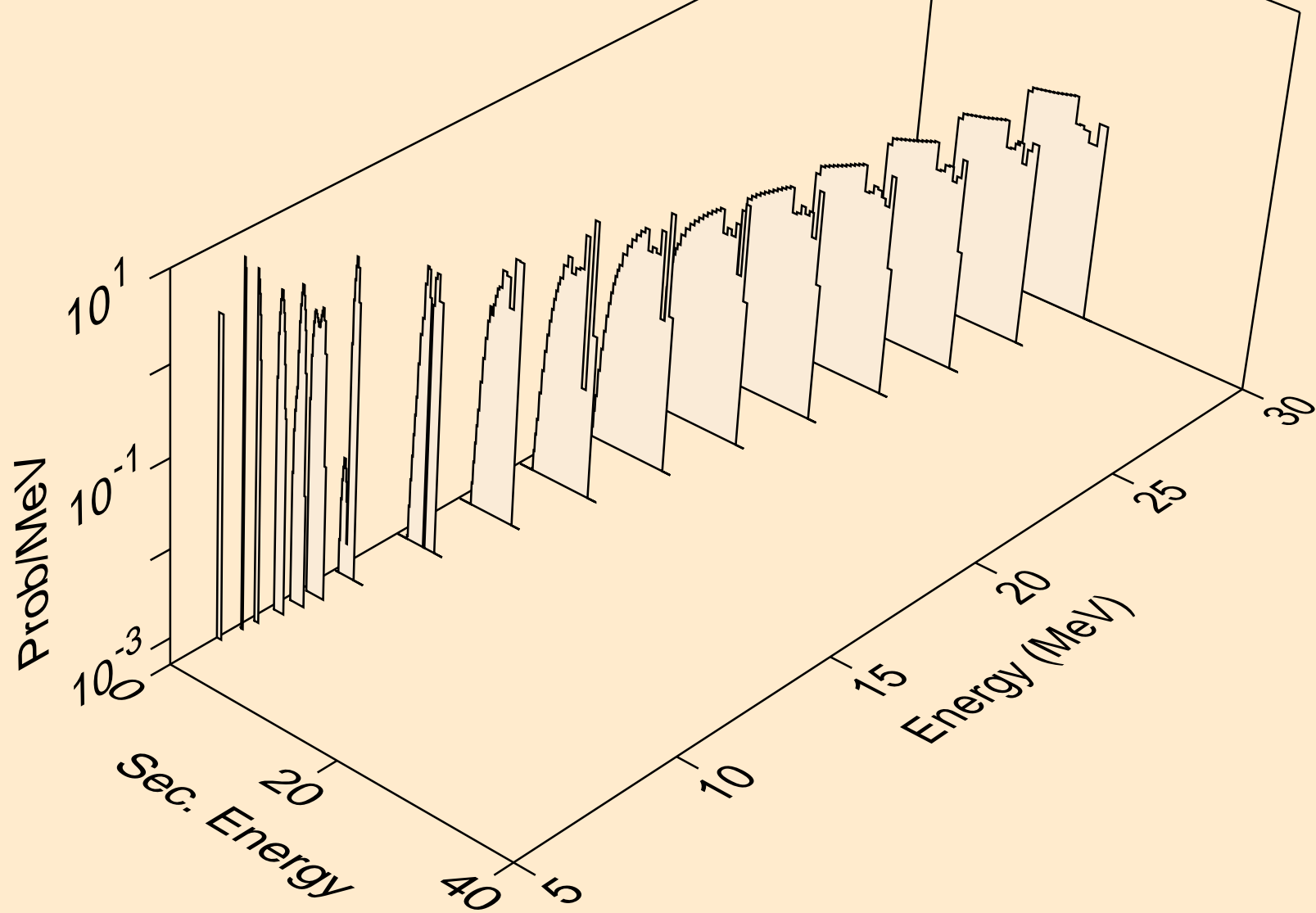
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deuterons from (n,2nd)



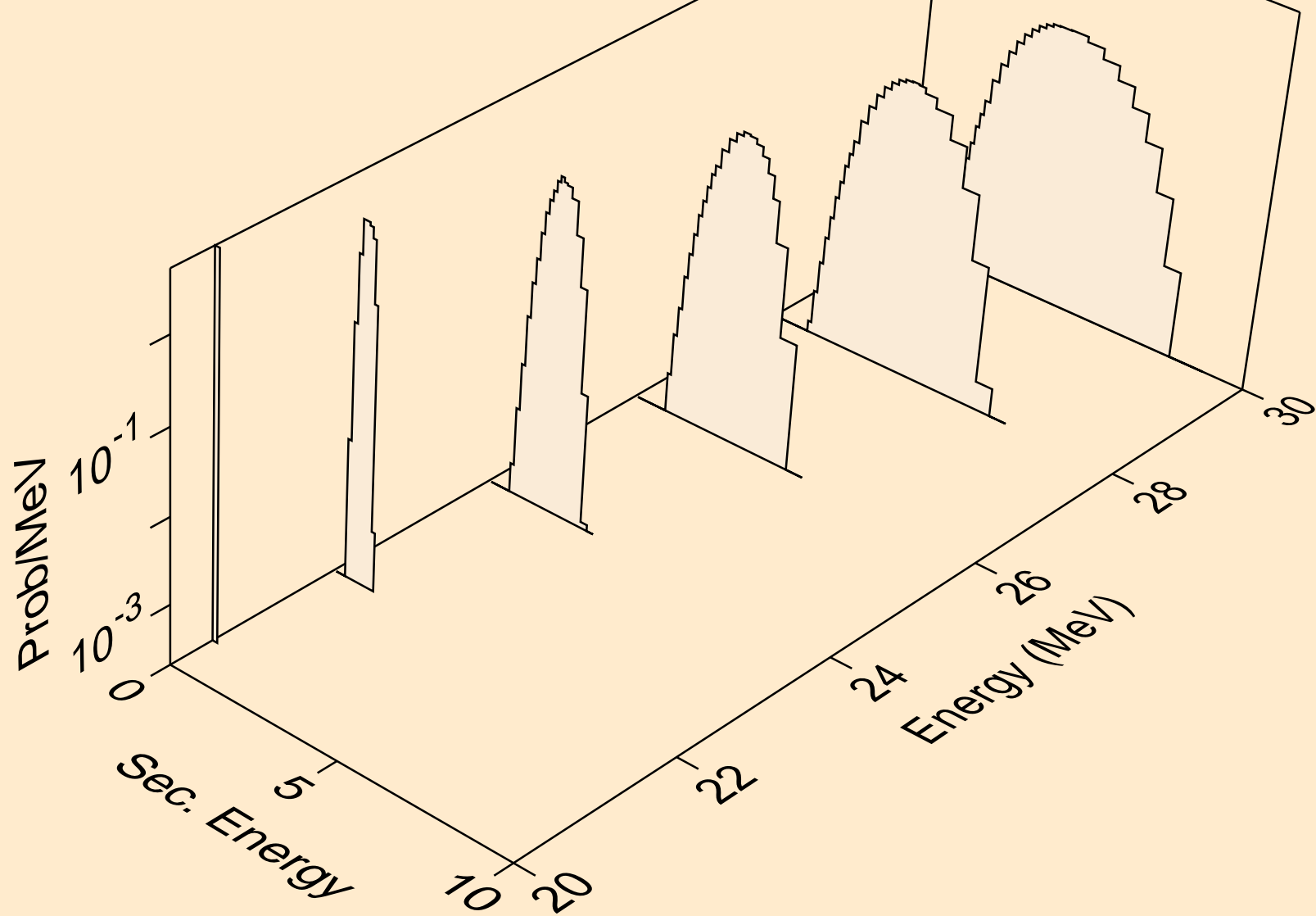
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deuterons from (n,n\*)d



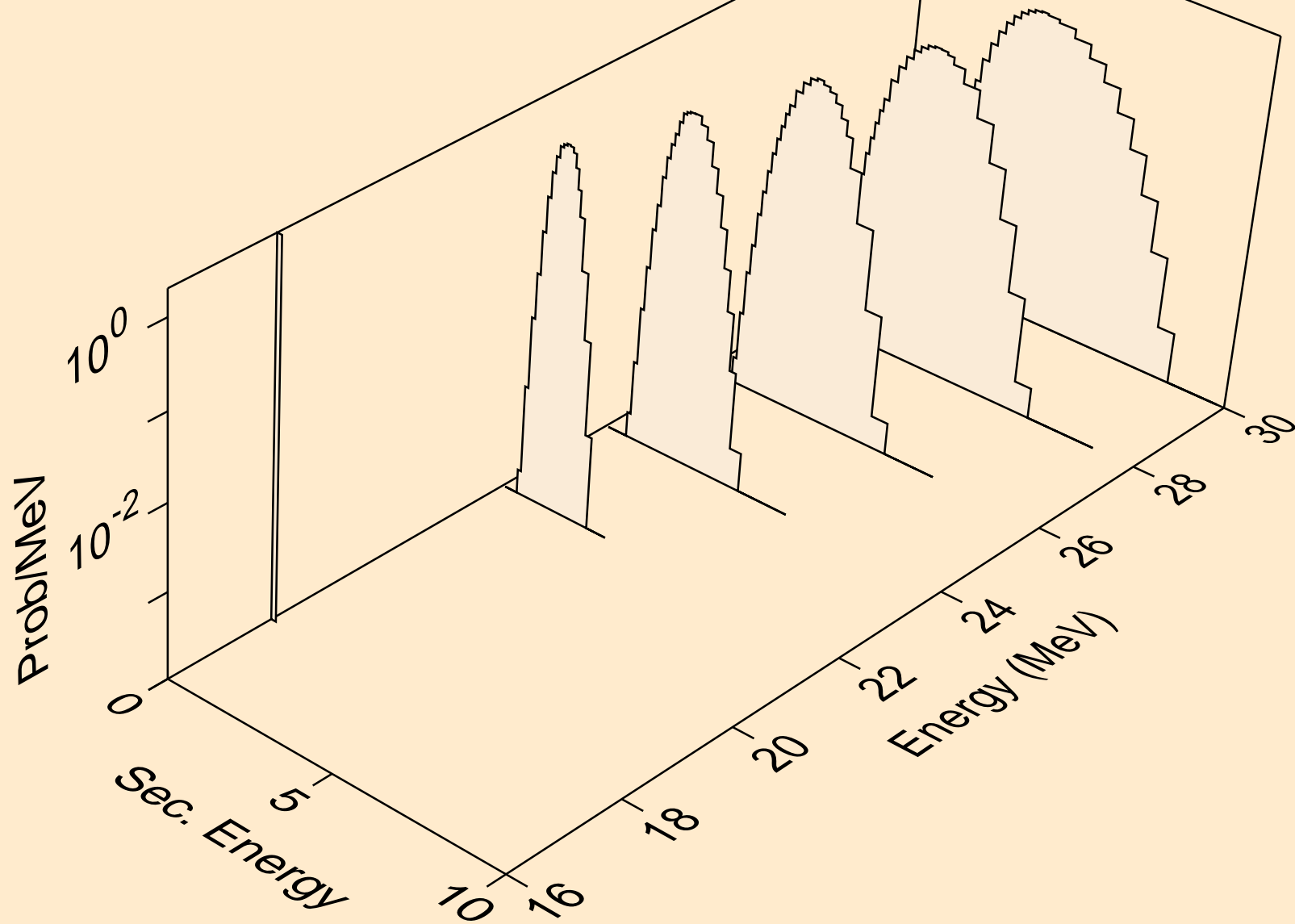
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deuterons from (n,d)



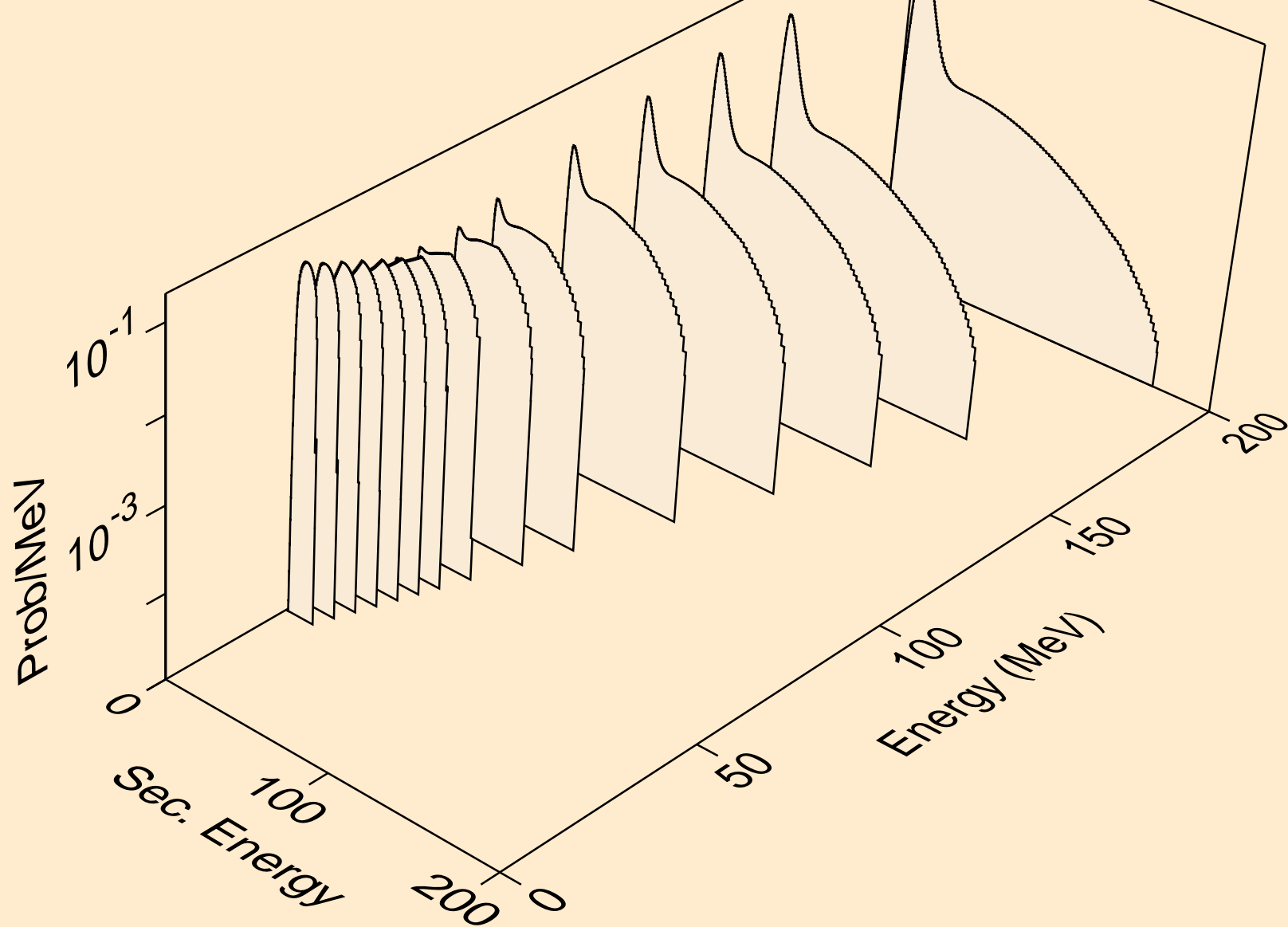
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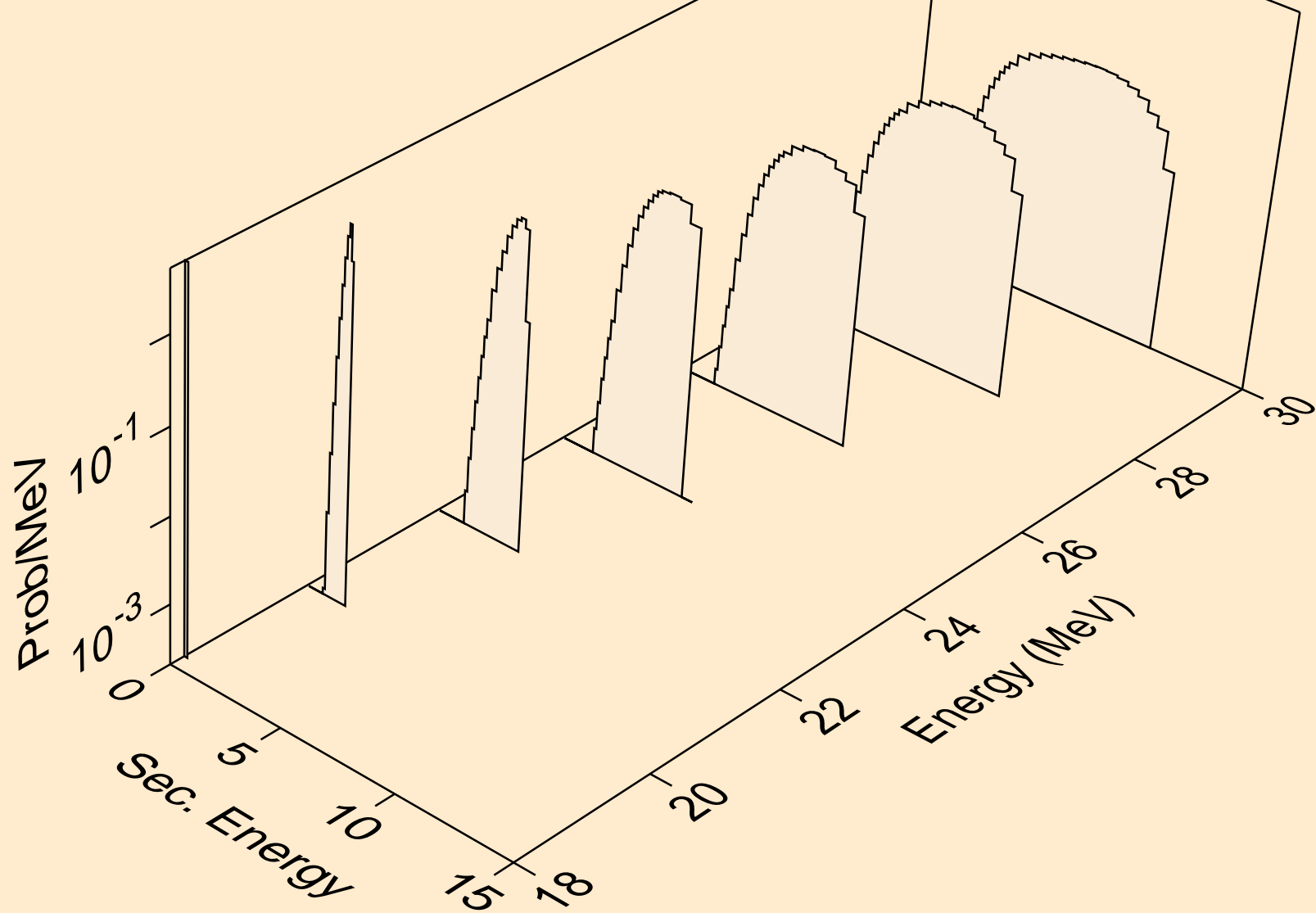
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deuterons from (n,da)



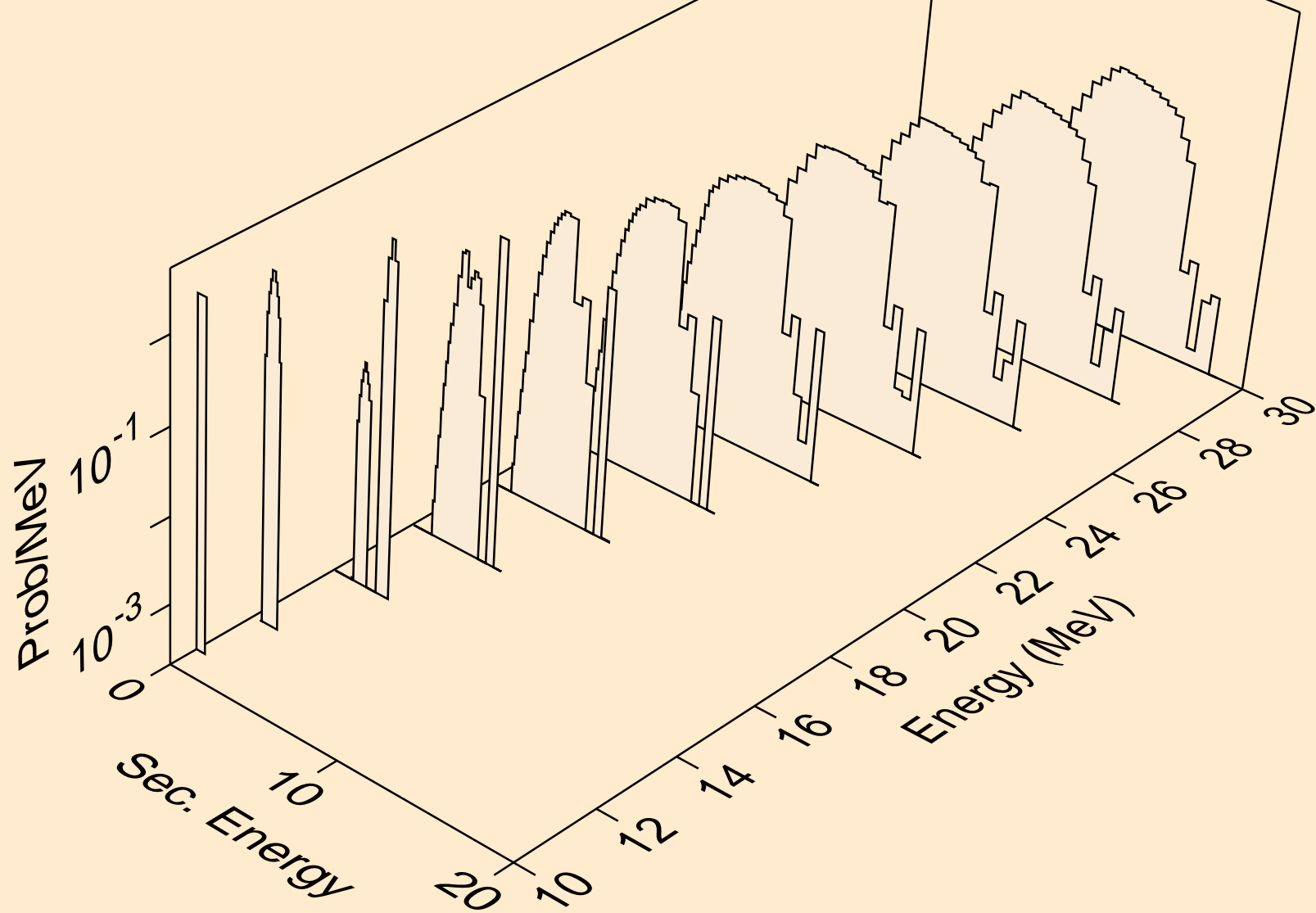
SC047 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,x)



SC047 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,n\*)t

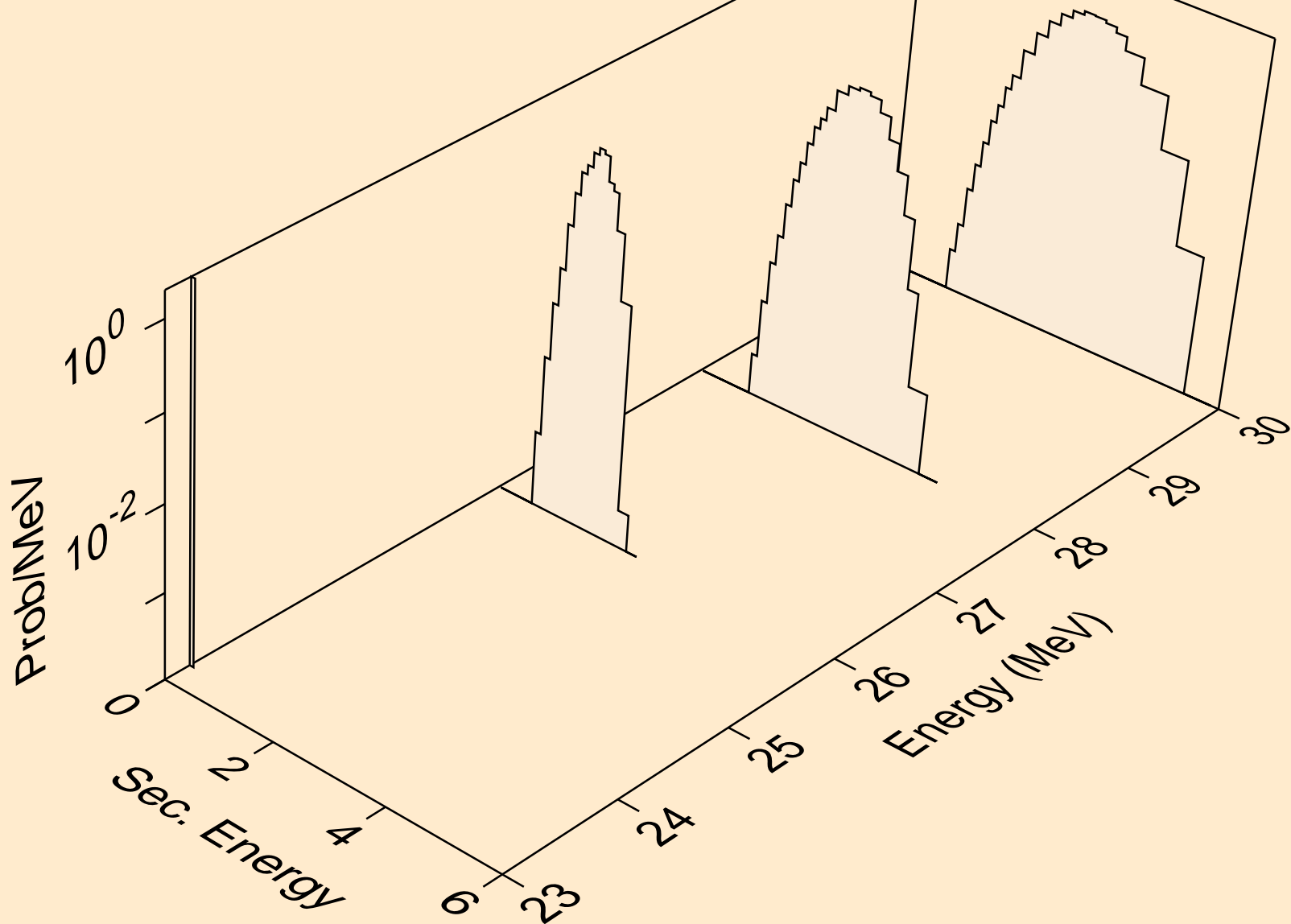


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tritons from (n,t)

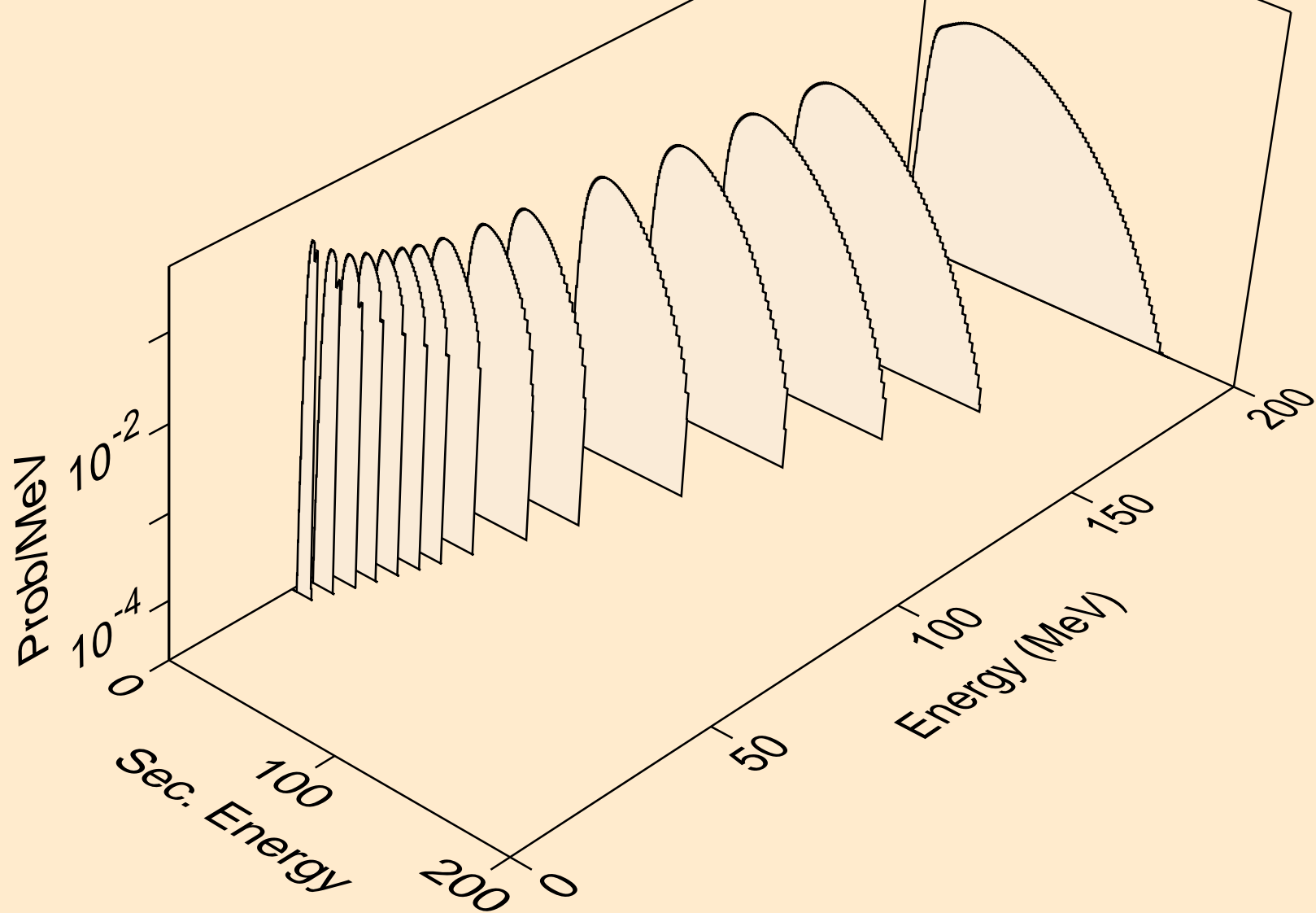




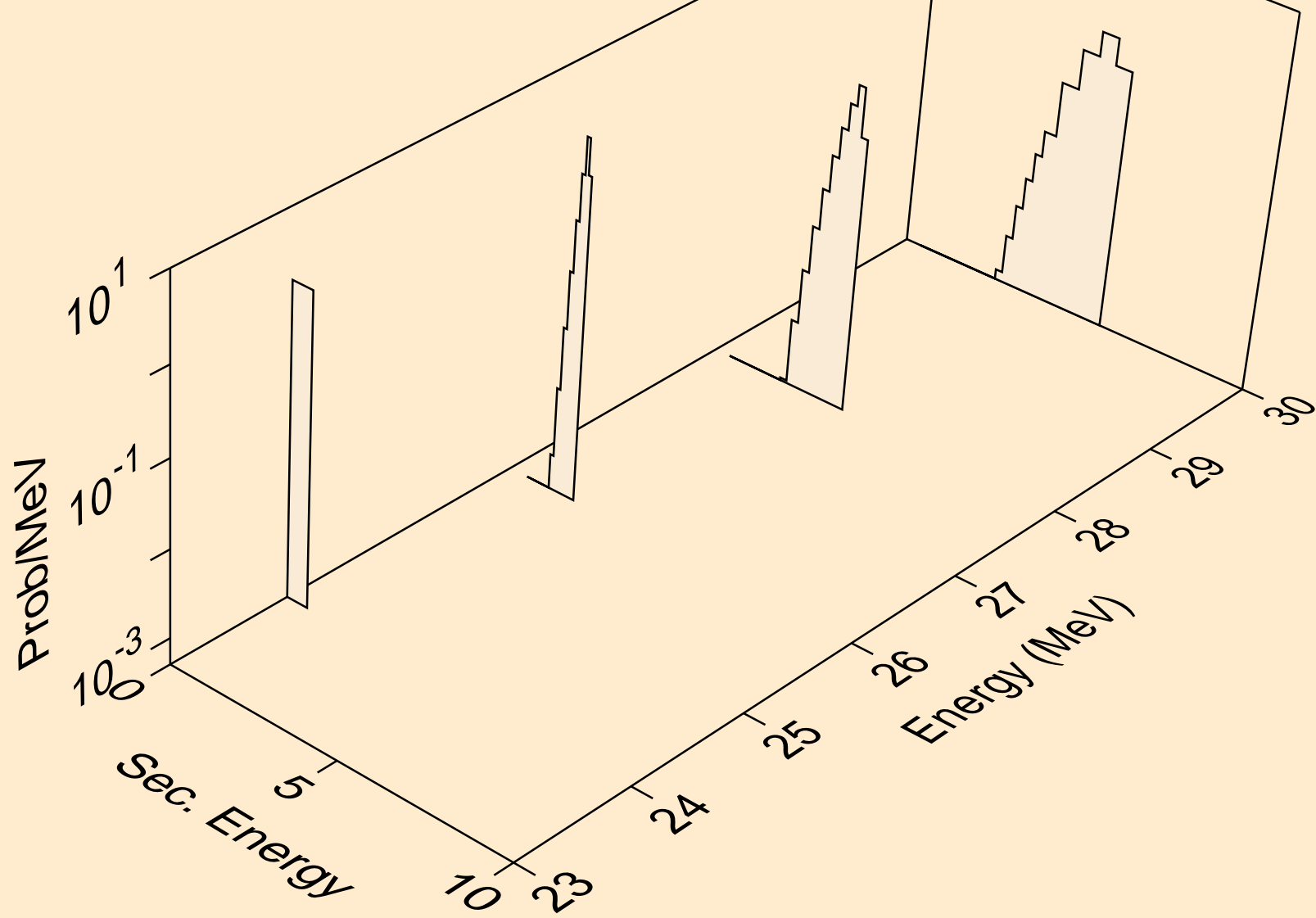
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tritons from (n,pt)



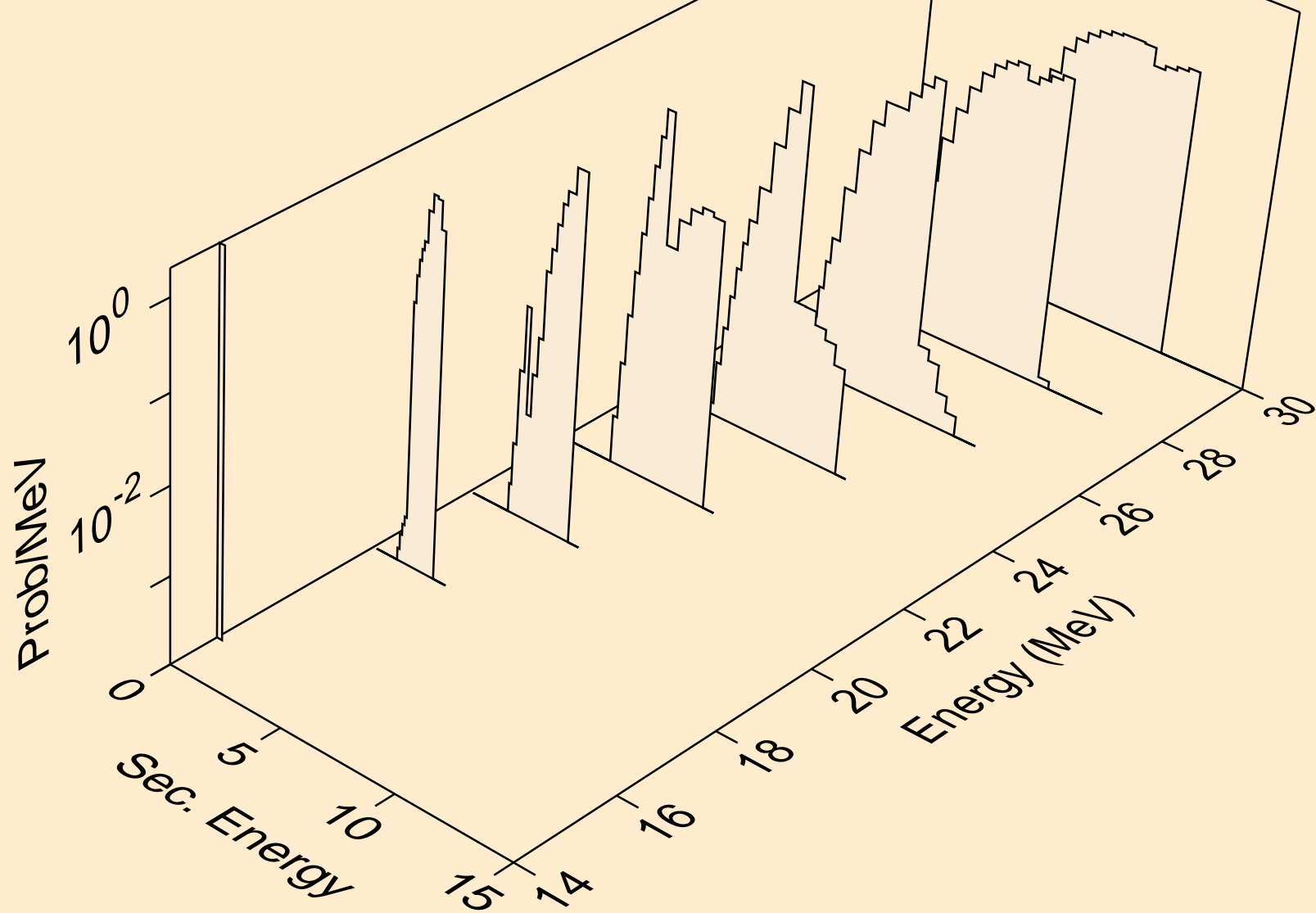
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he3s from (n,x)



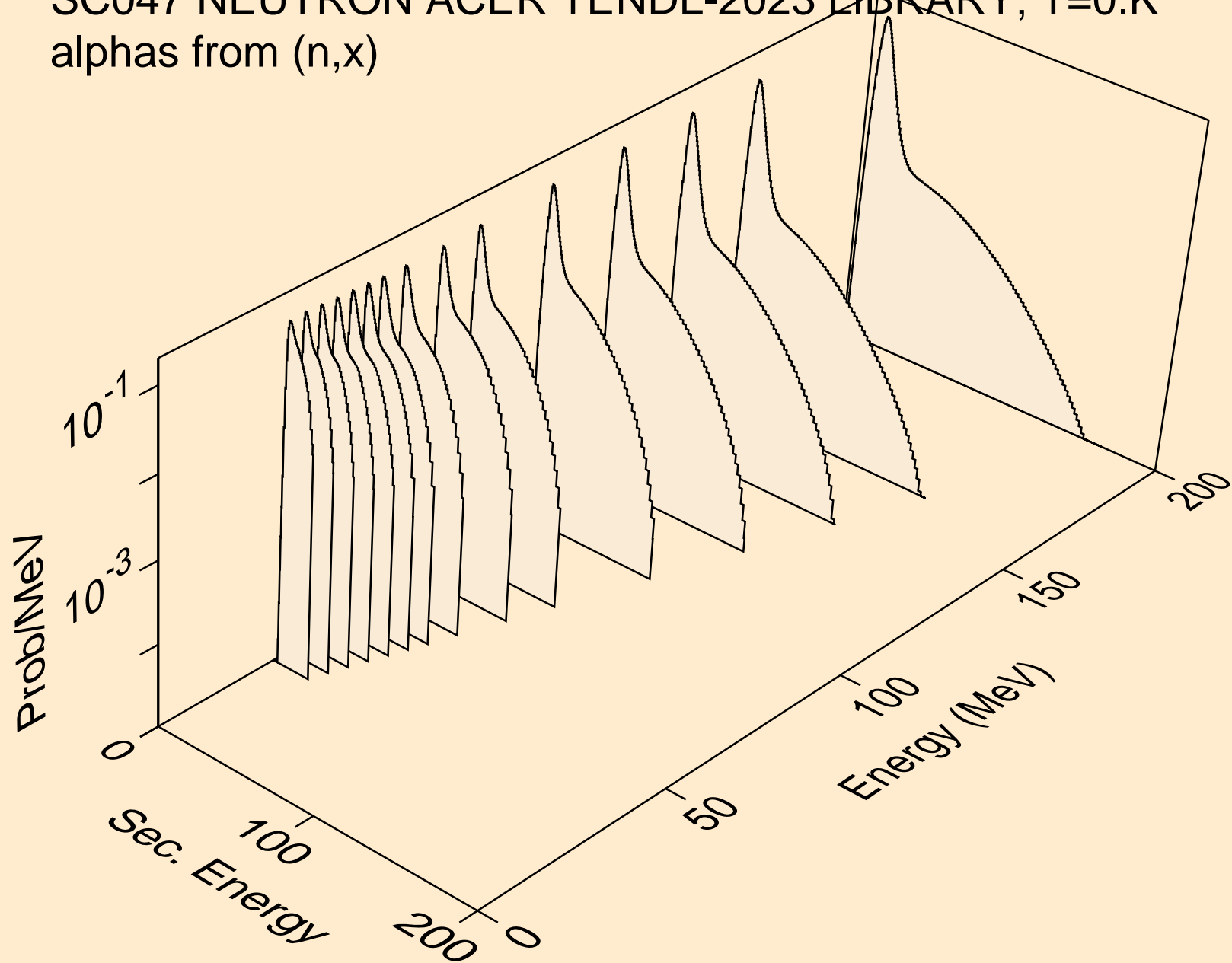
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he3s from (n,n\*)he3



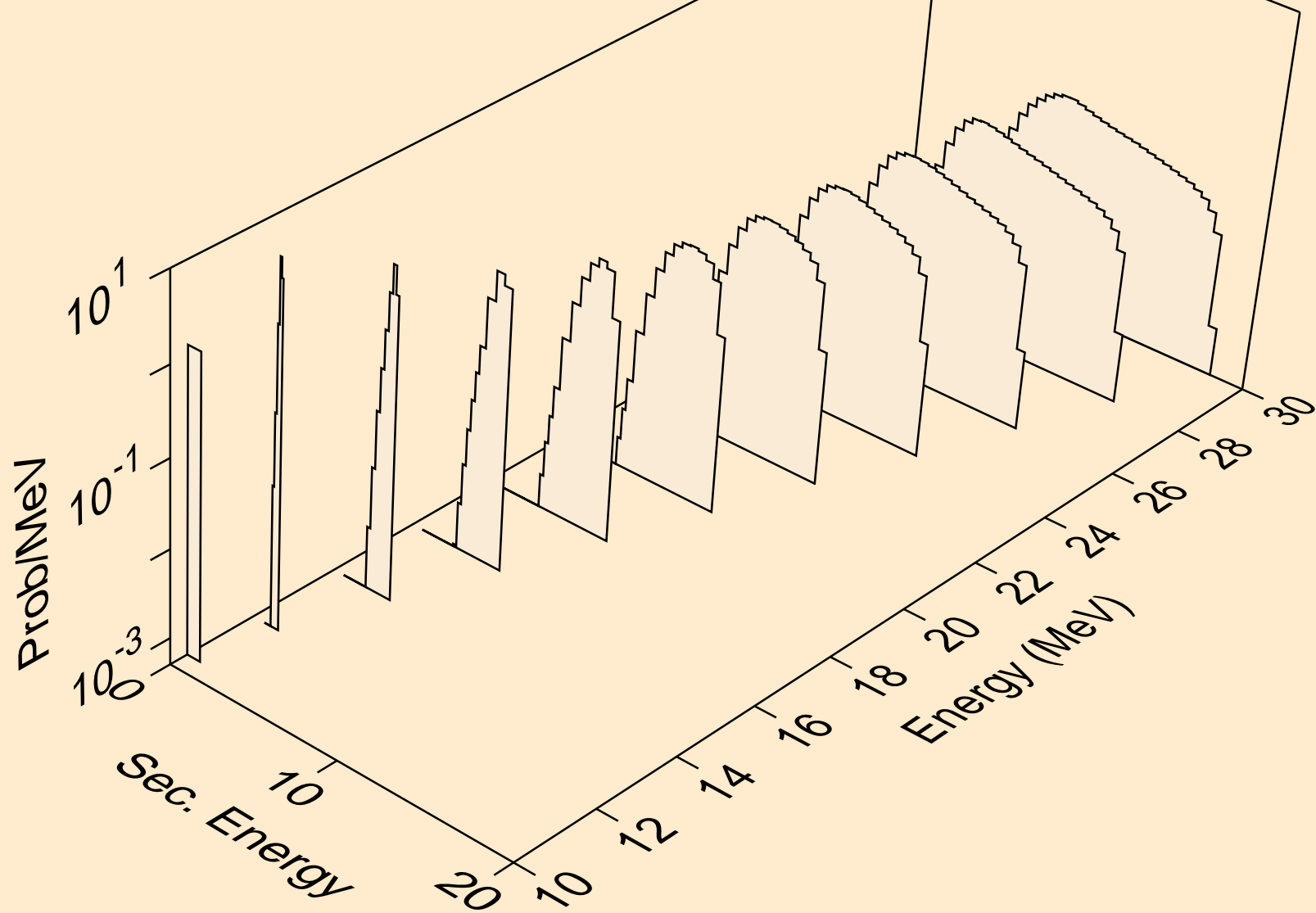
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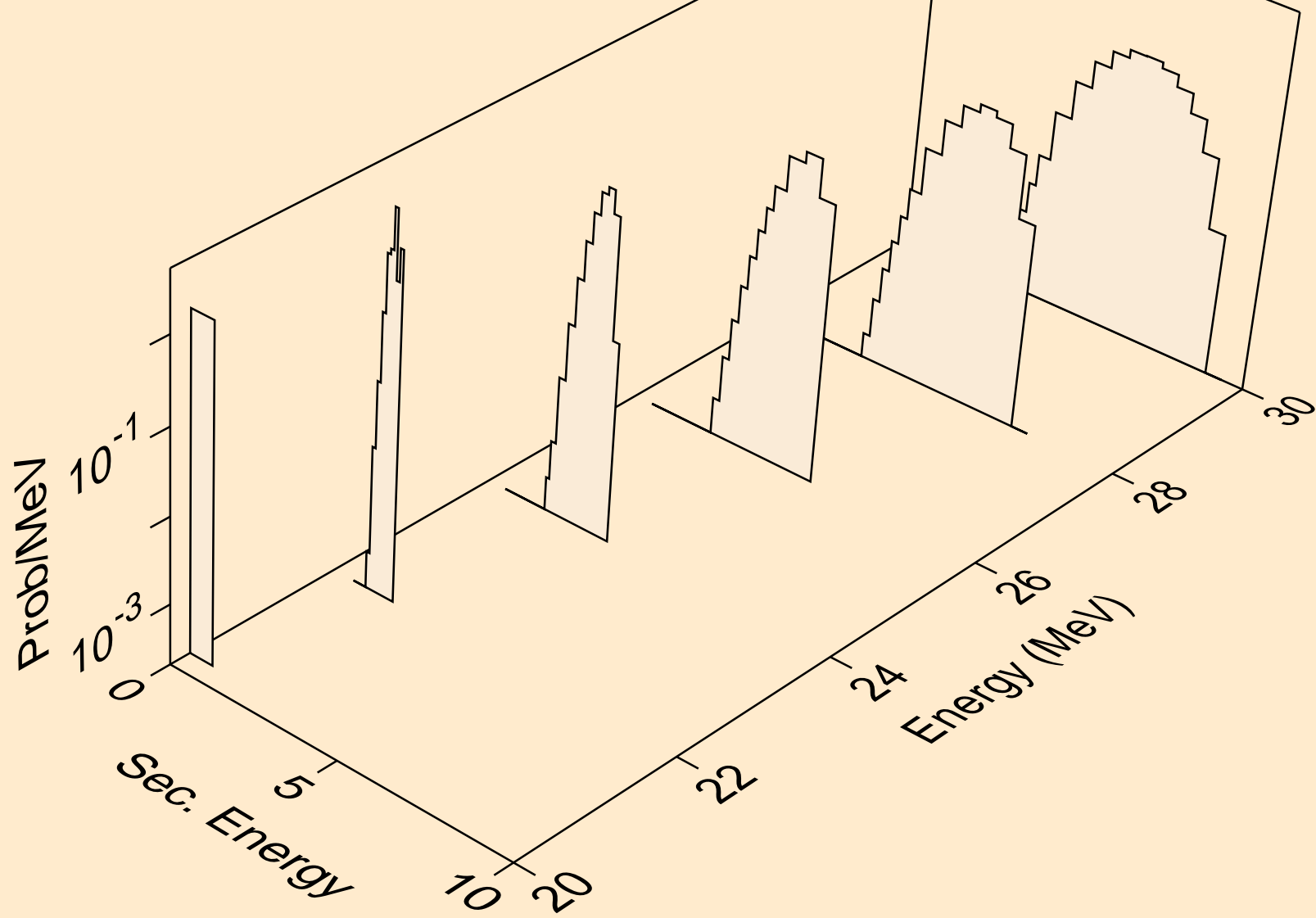
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alphas from (n,x)



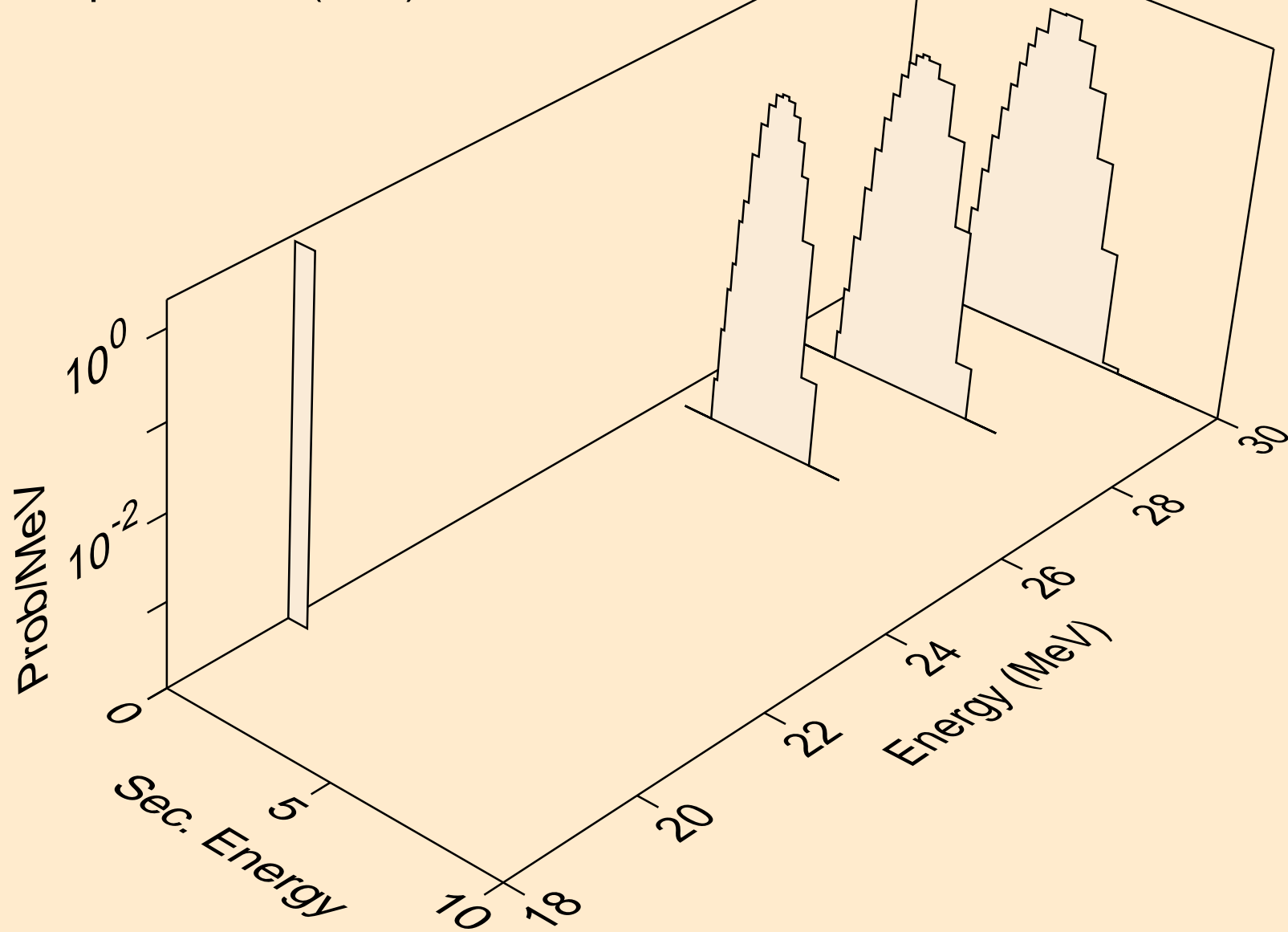
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alphas from (n,n\*)a



SC047 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2n)a

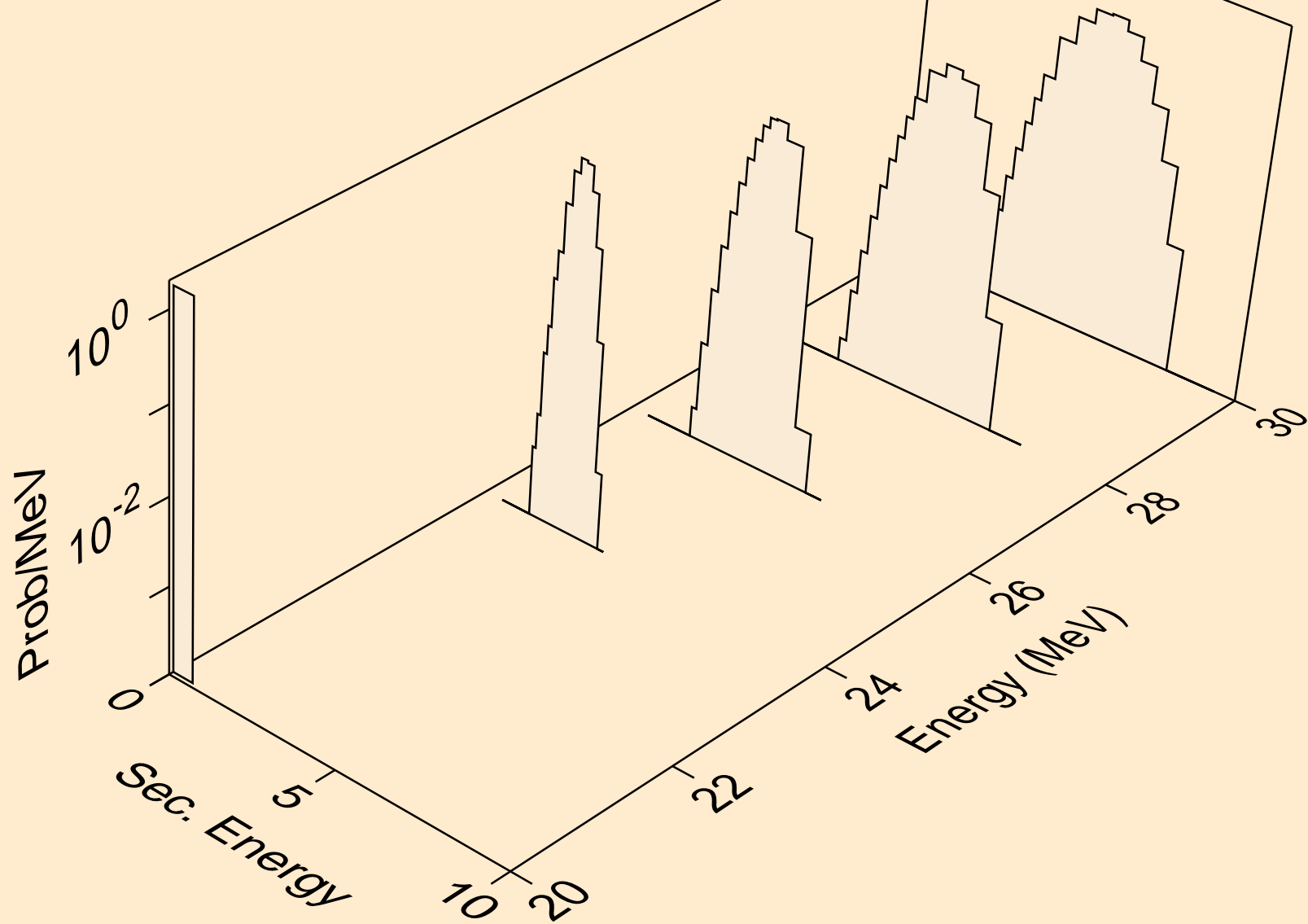


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alphas from (n,n\*)2a

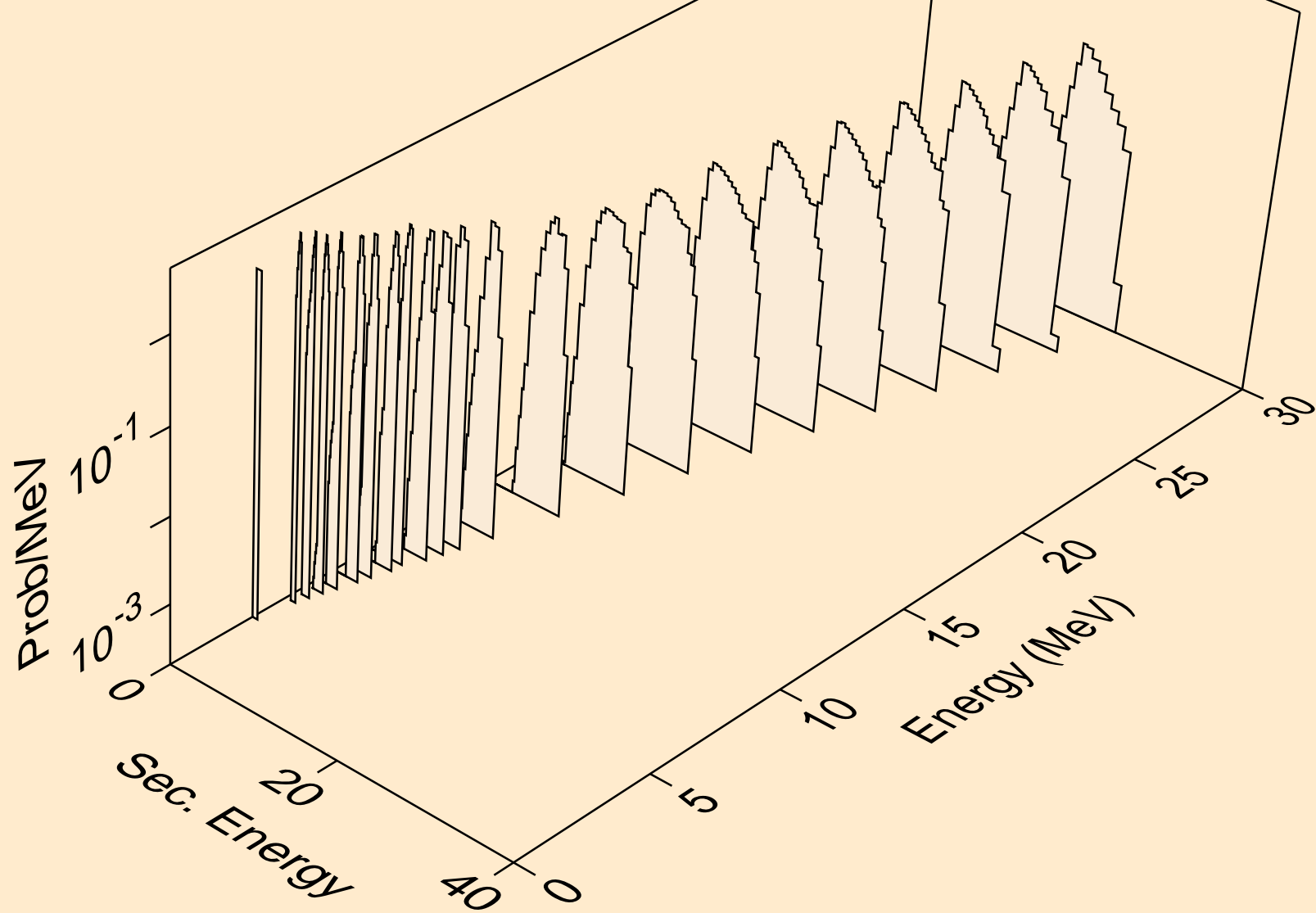




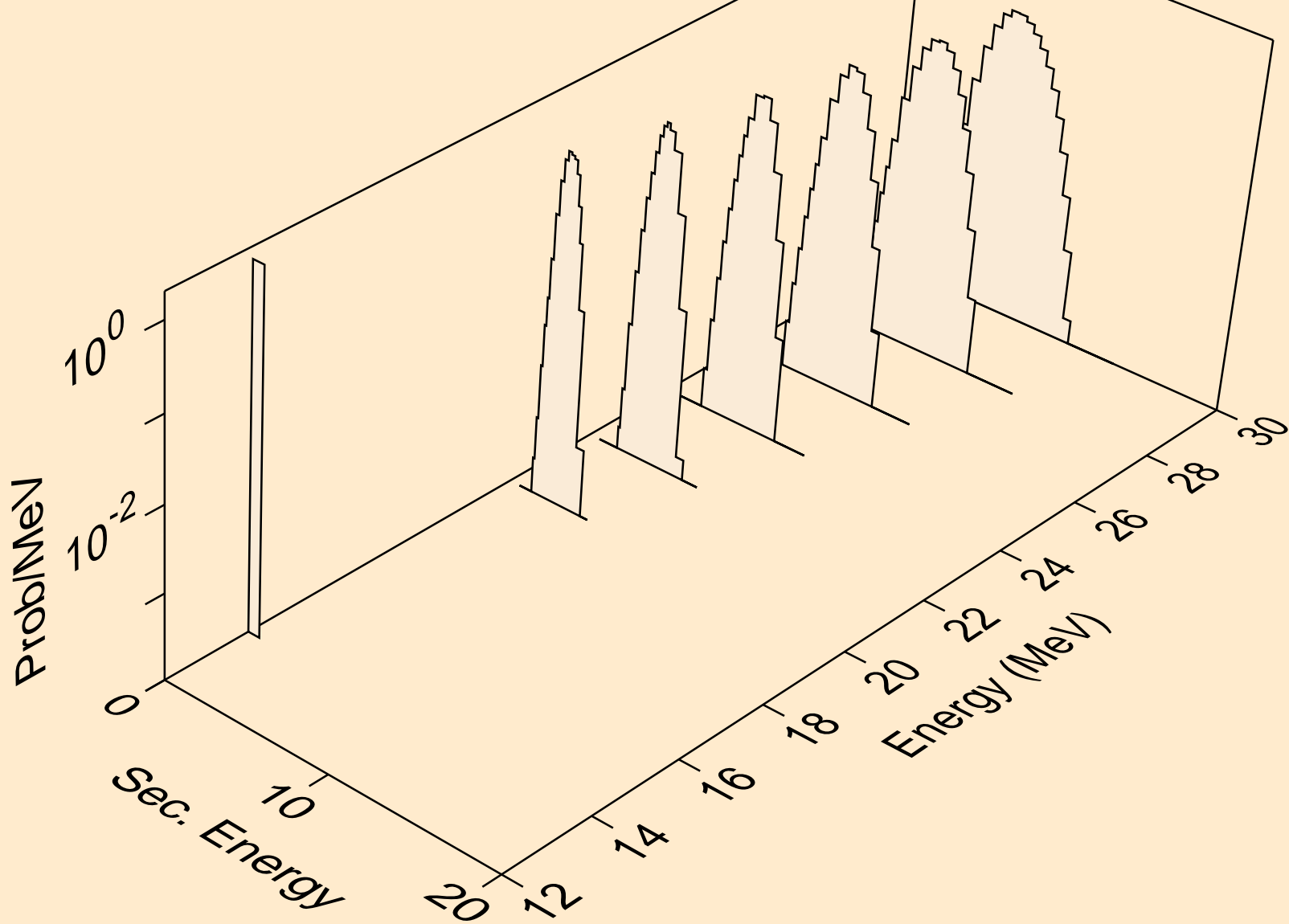
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alphas from (n,npa)



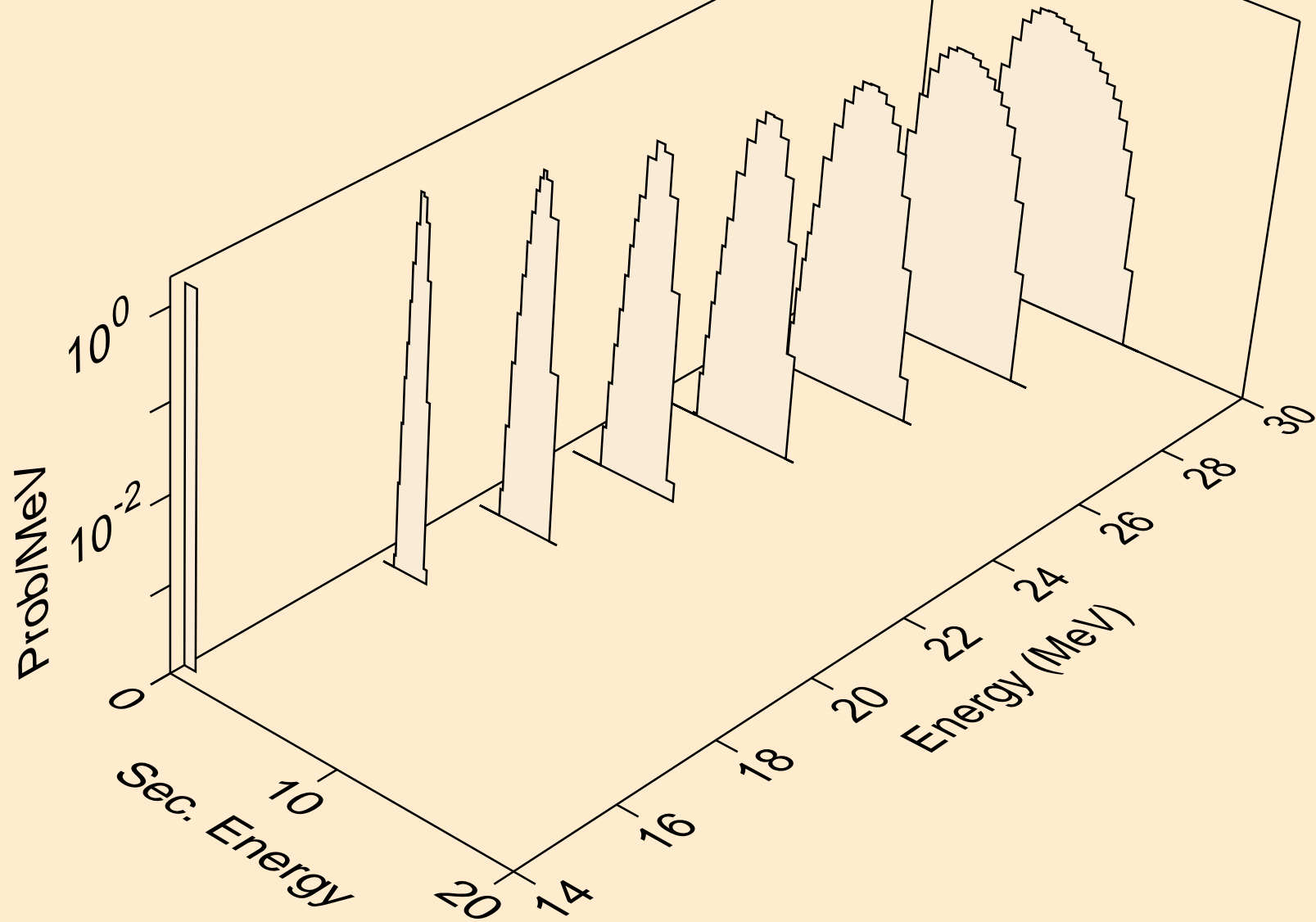
SC047 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,a)



SC047 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2a)



SC047 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,pa)



SC047 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,da)

