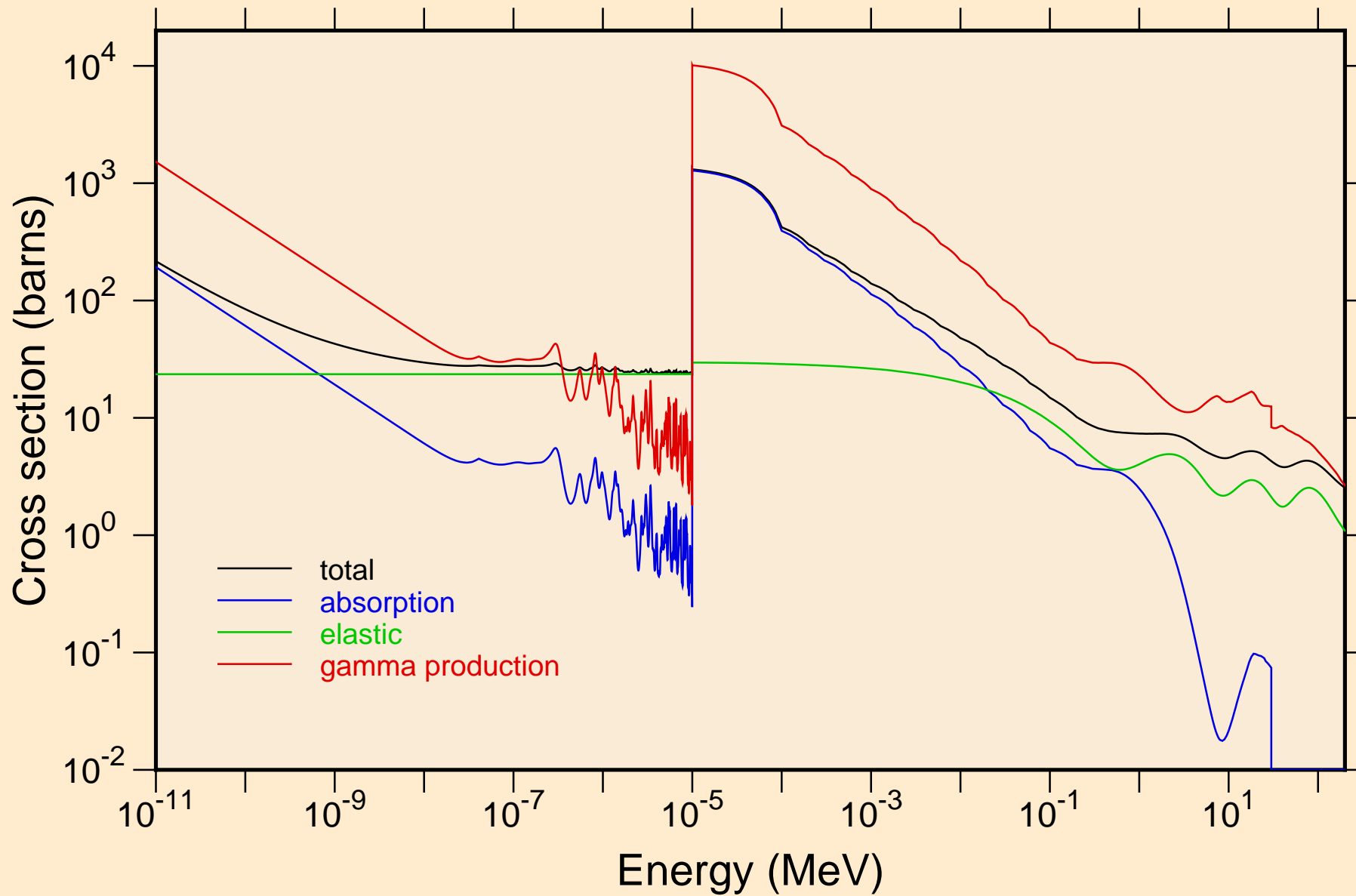
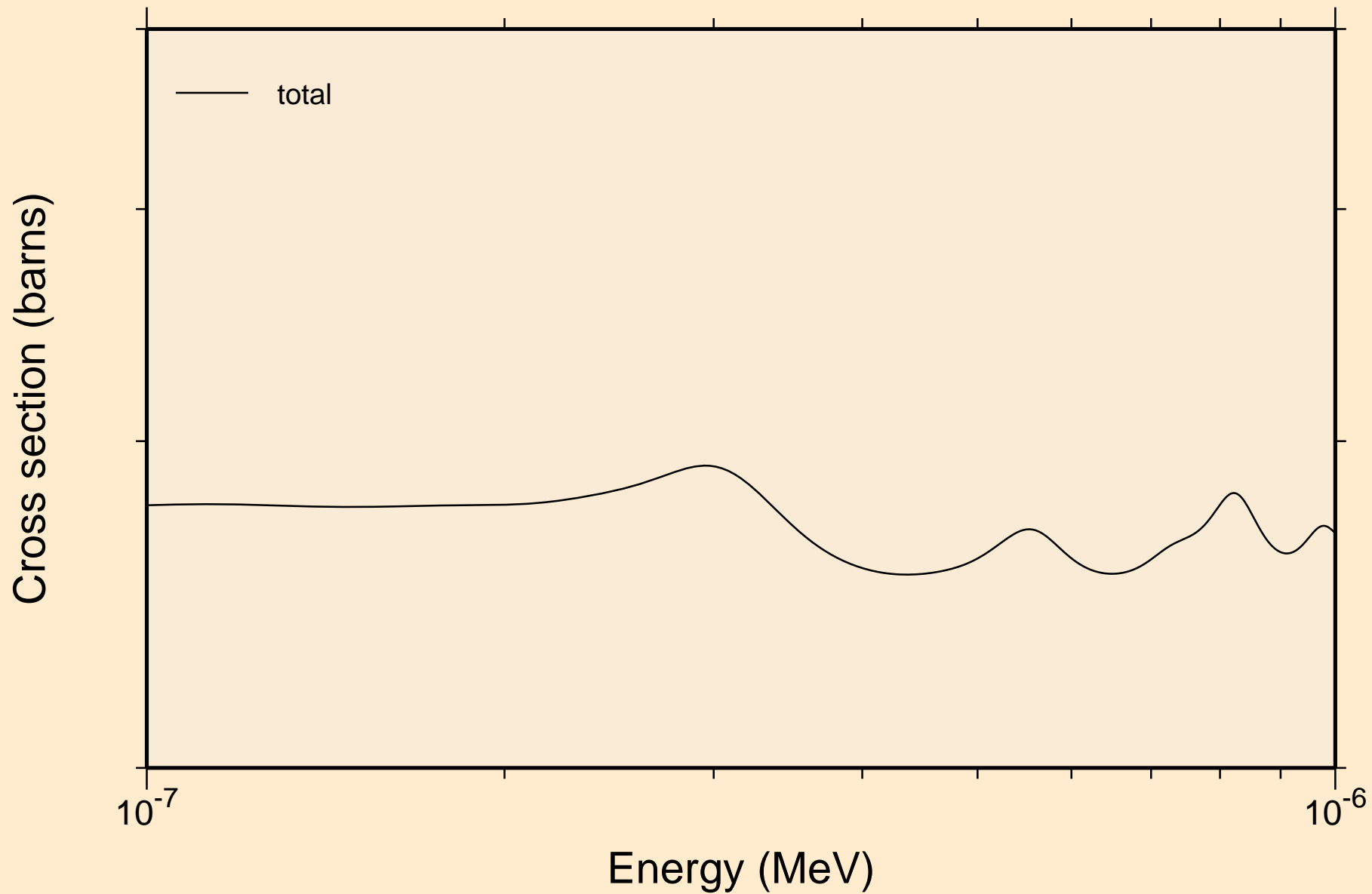


# TM164M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

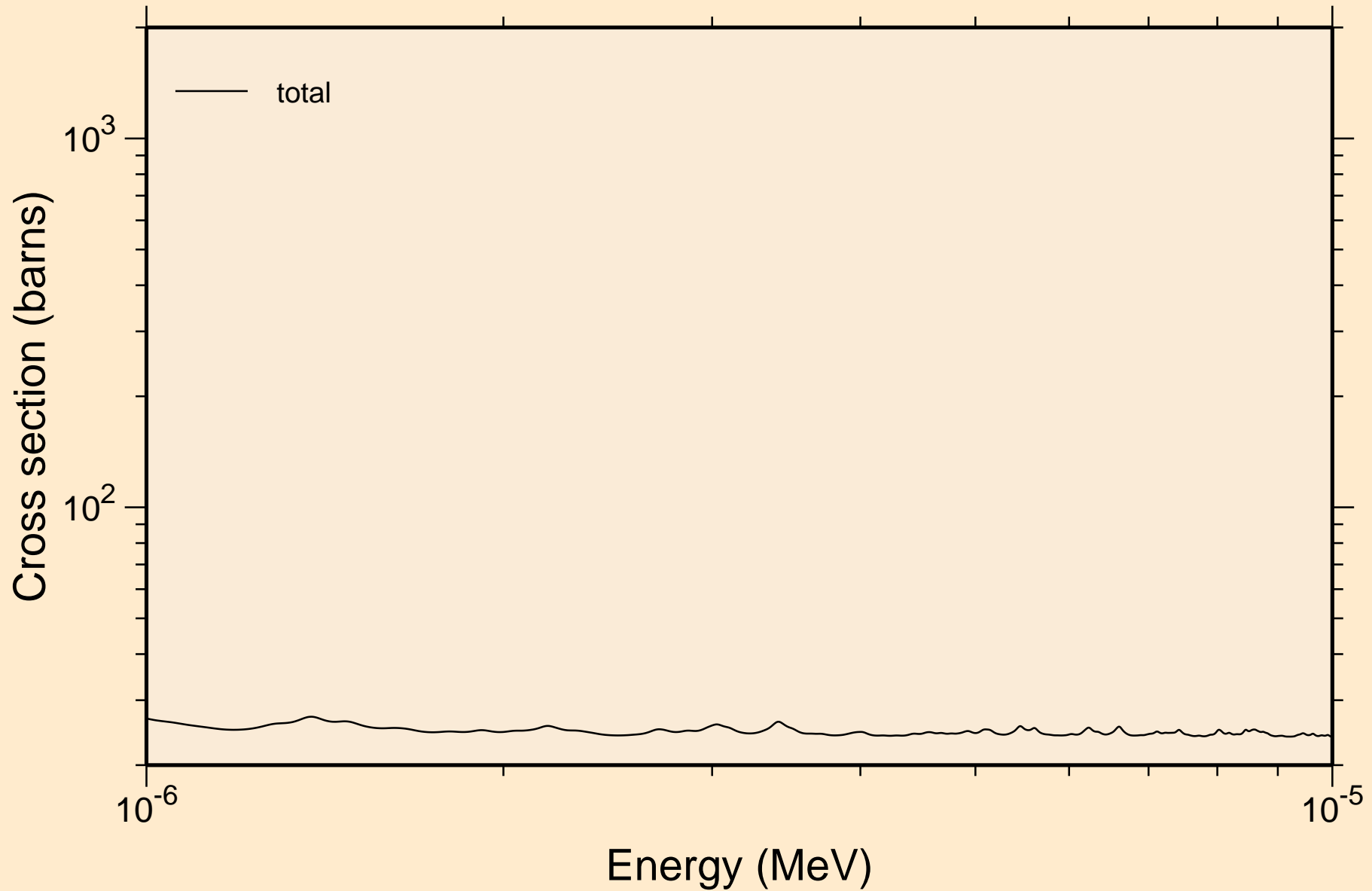
## Principal cross sections



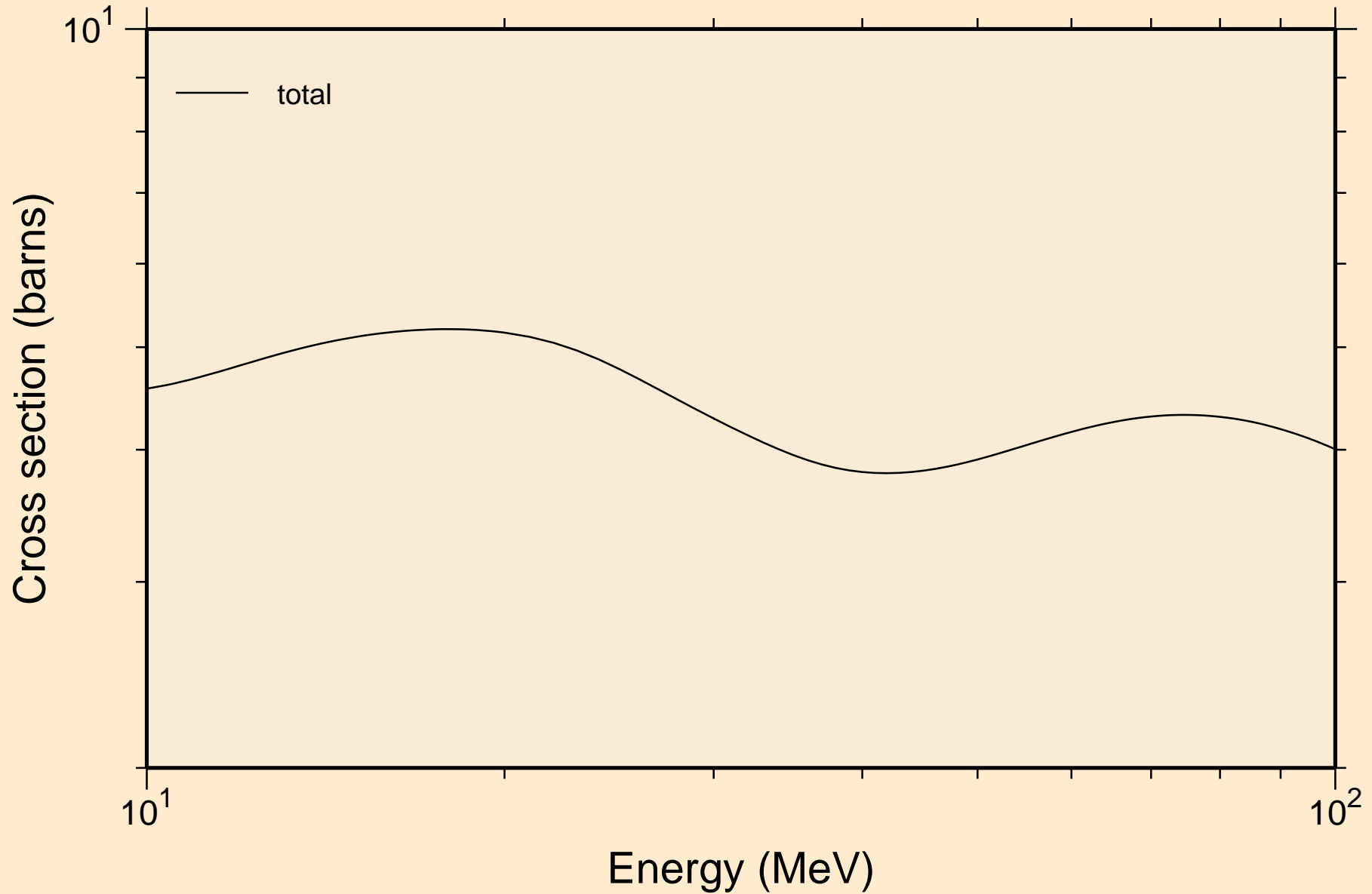
Tm164m NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



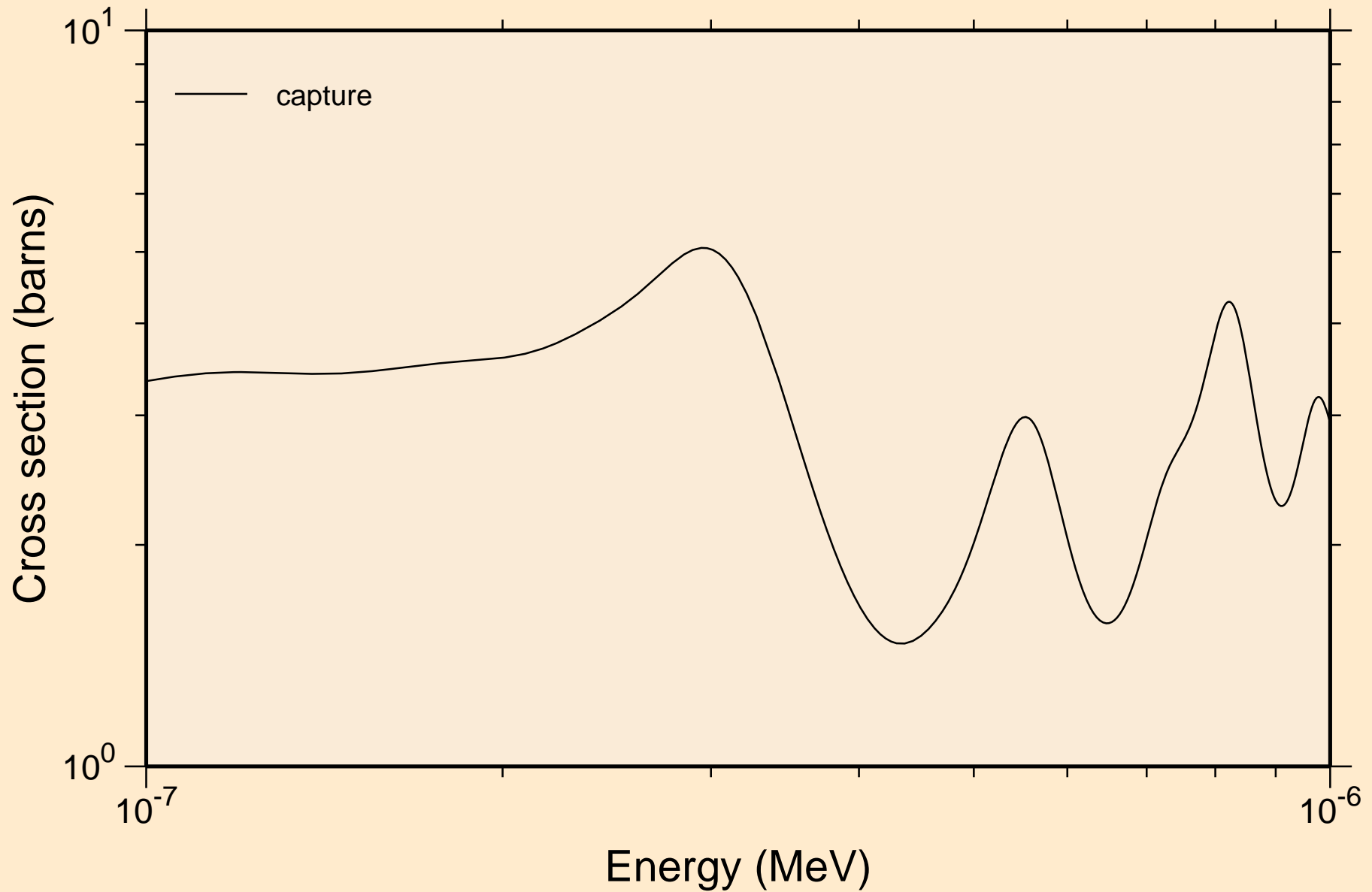
TM164M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



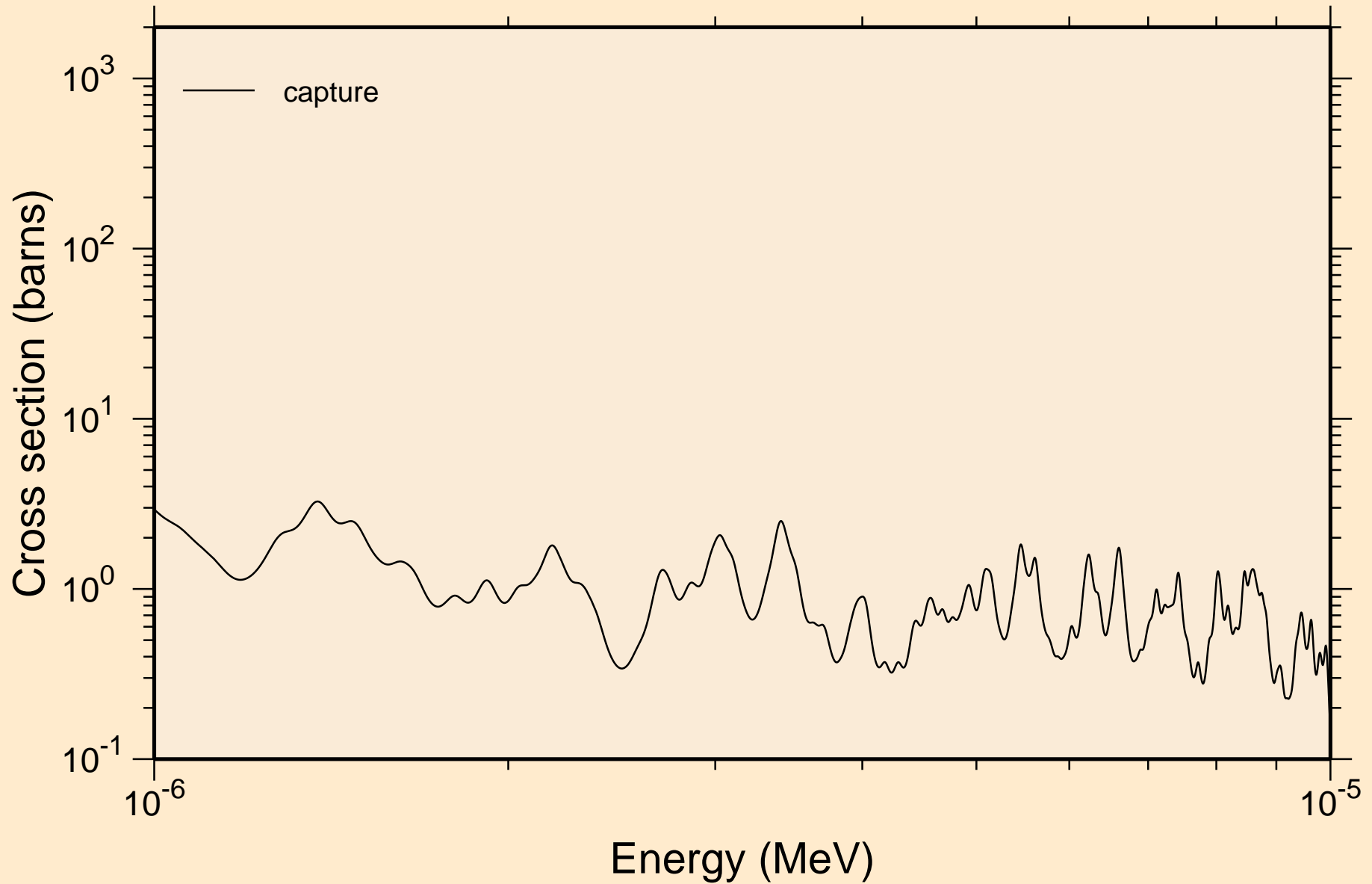
TM164M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



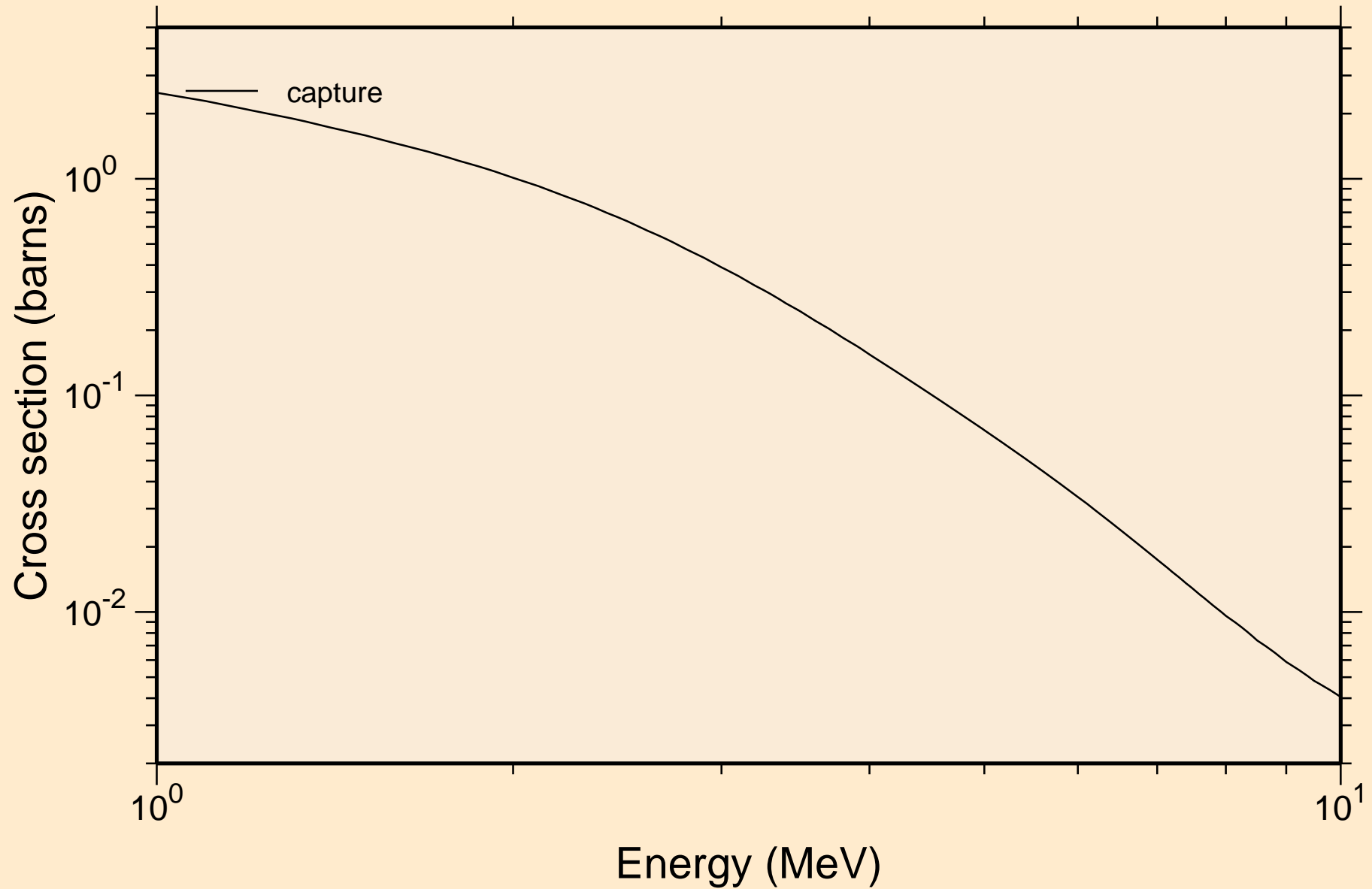
TM164M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



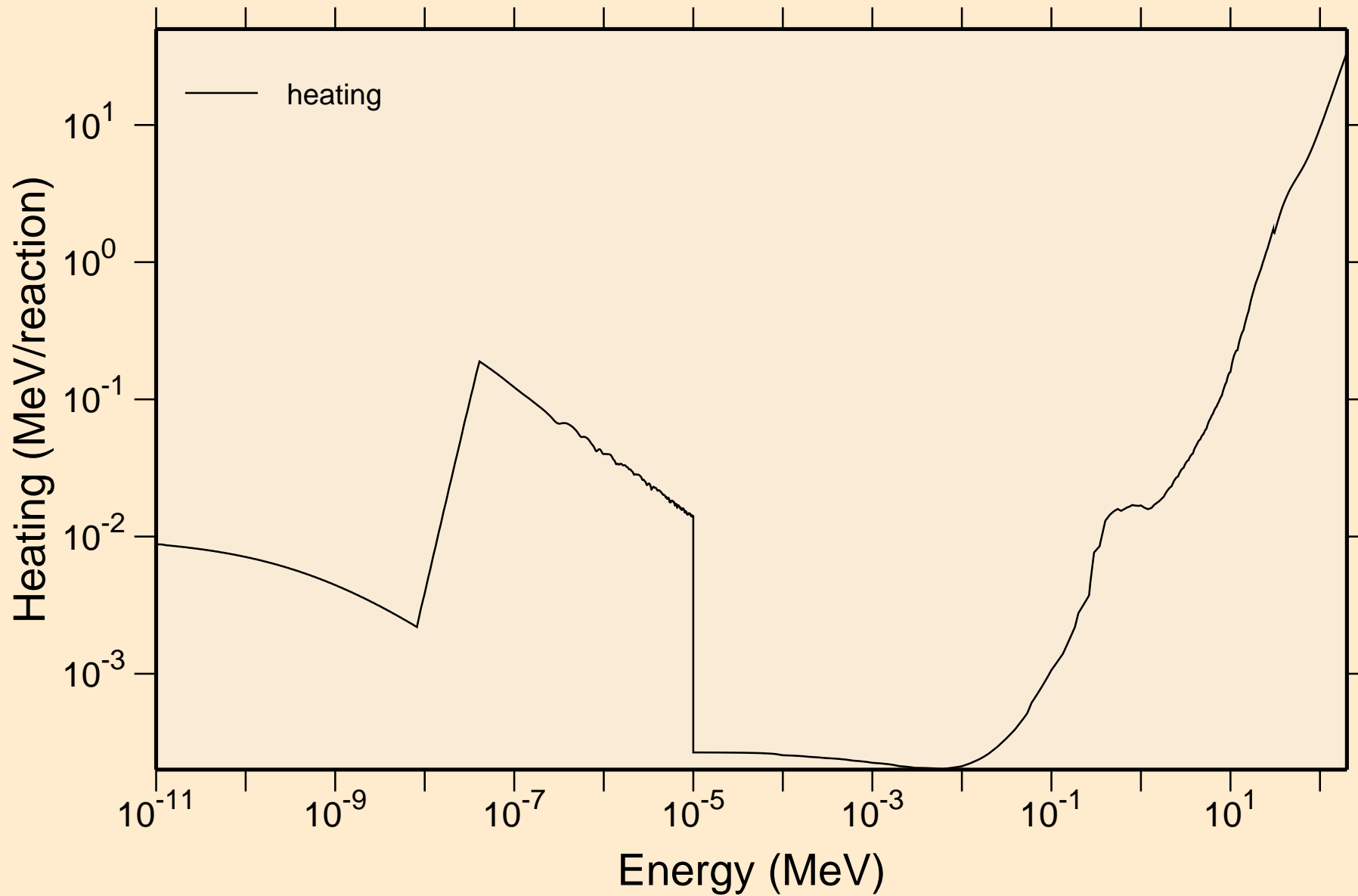
TM164M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



TM164M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

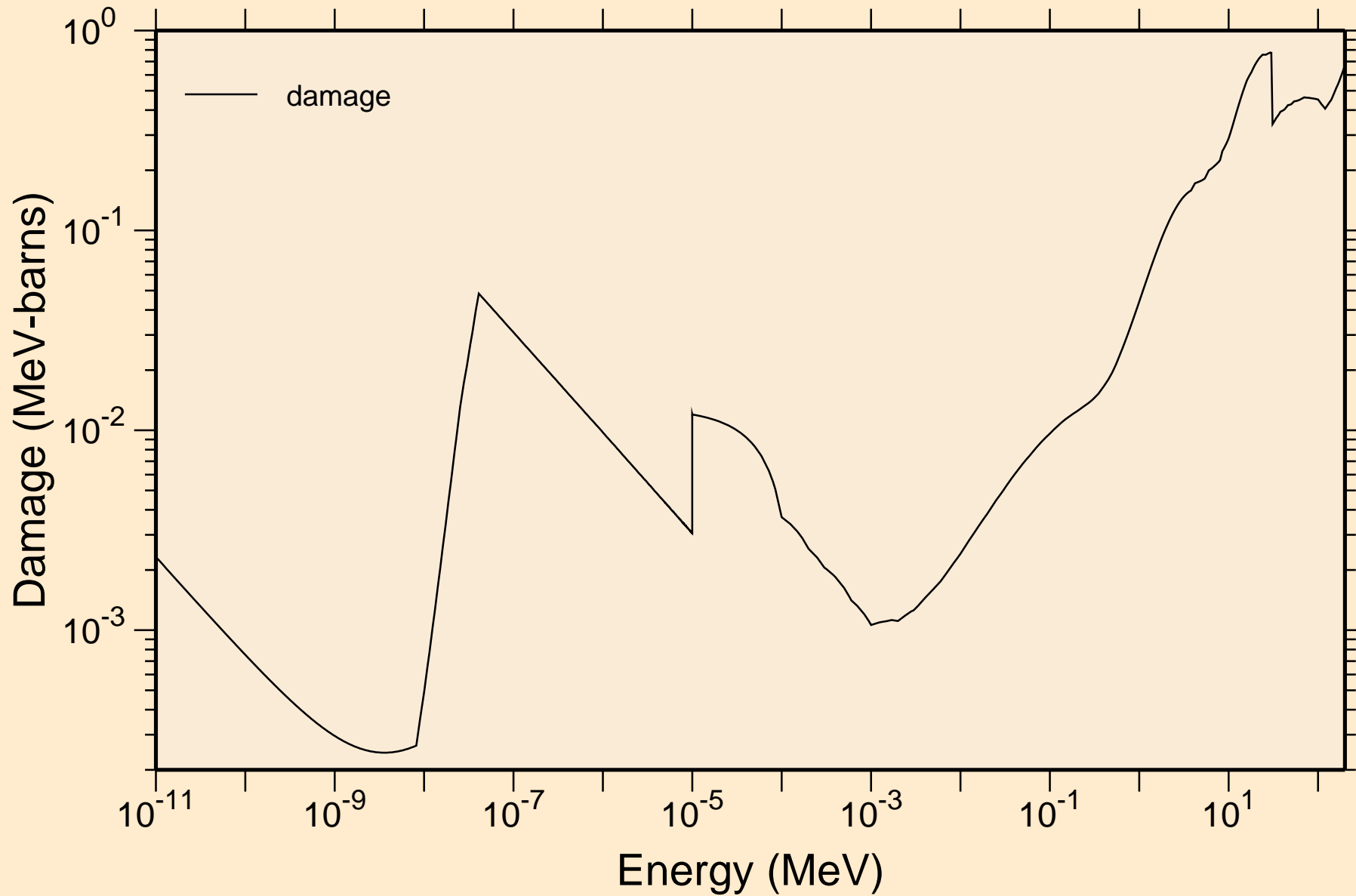


TM164M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Heating

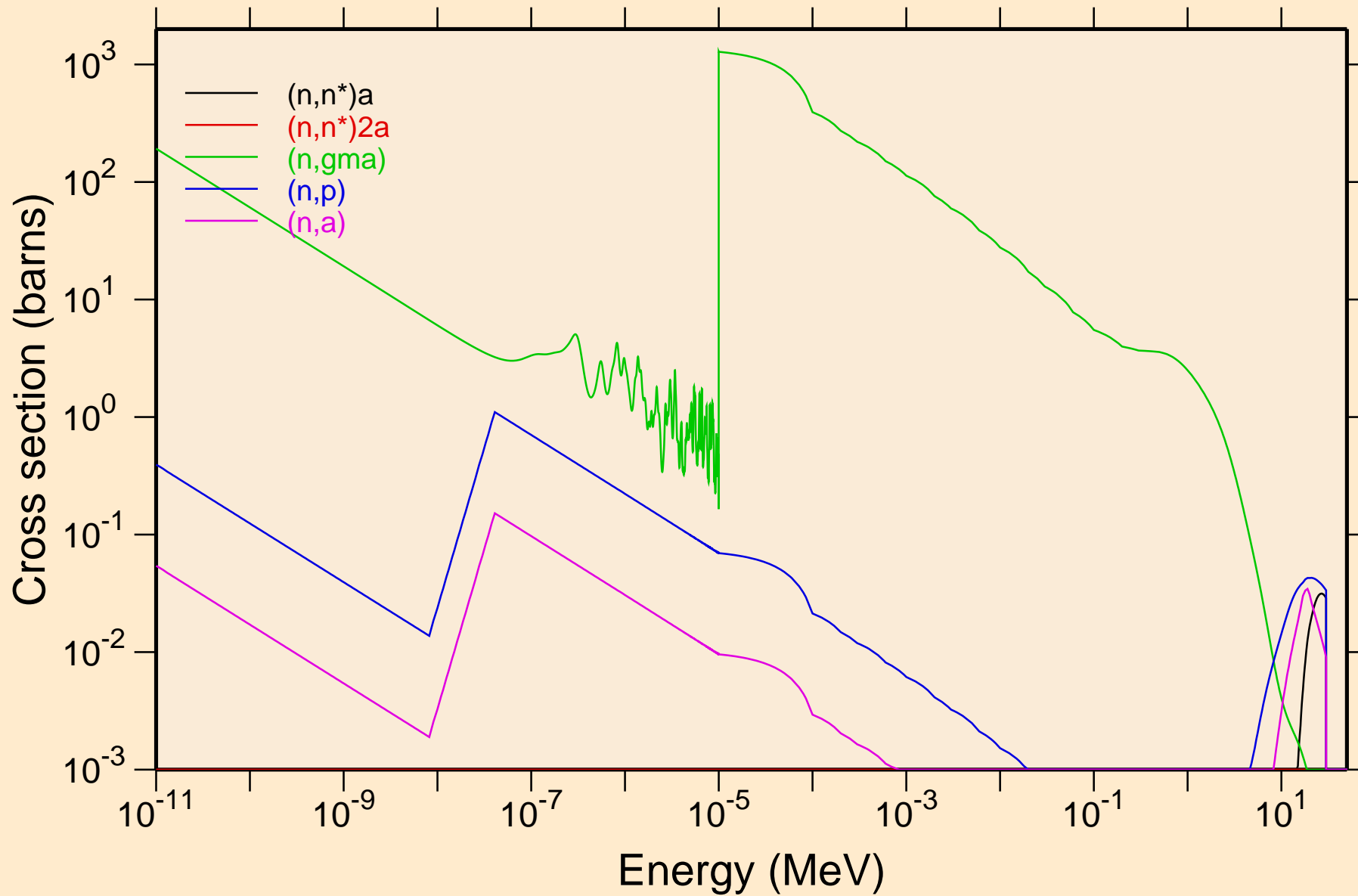




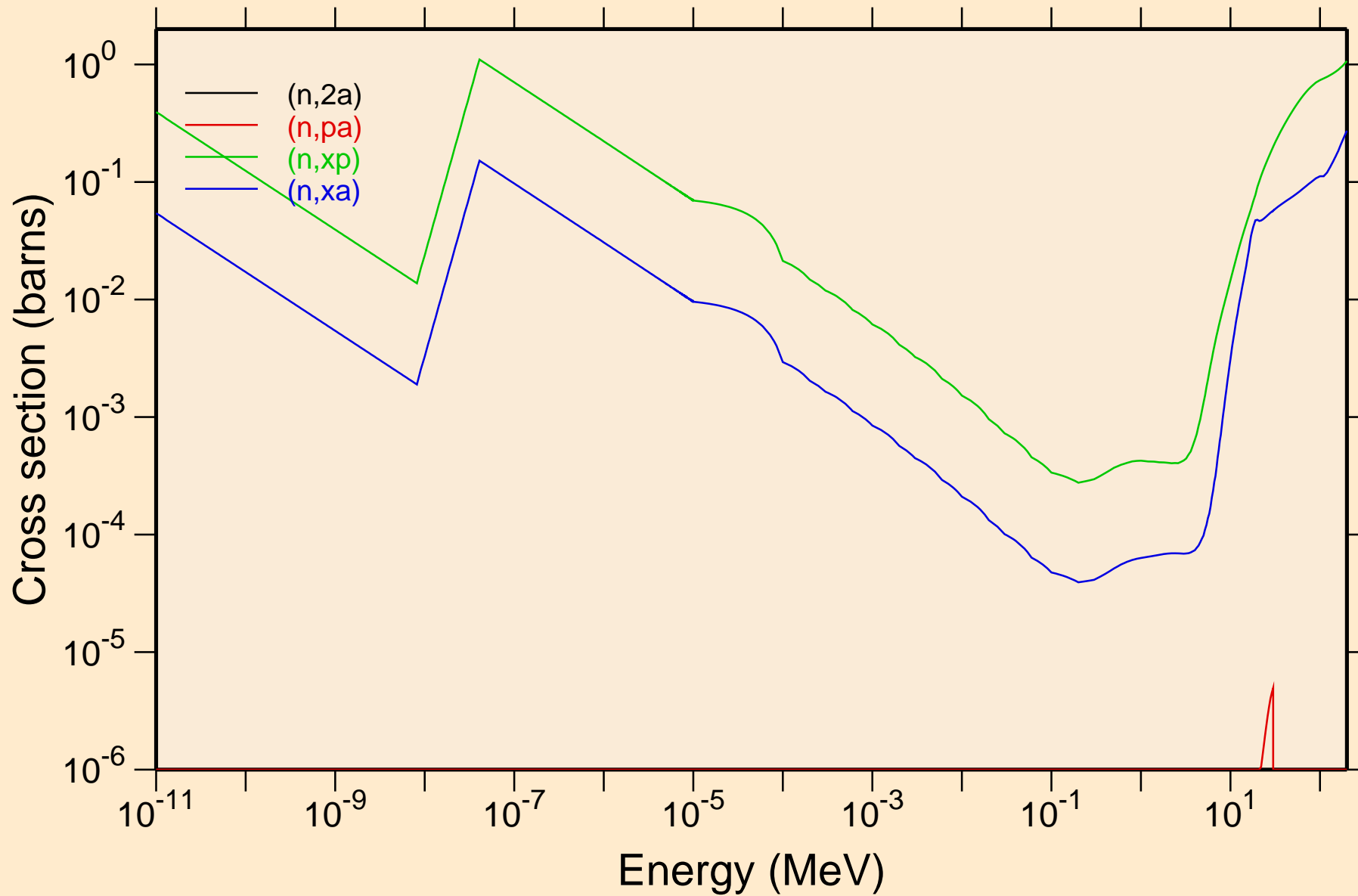
TM164M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Damage



TM164M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

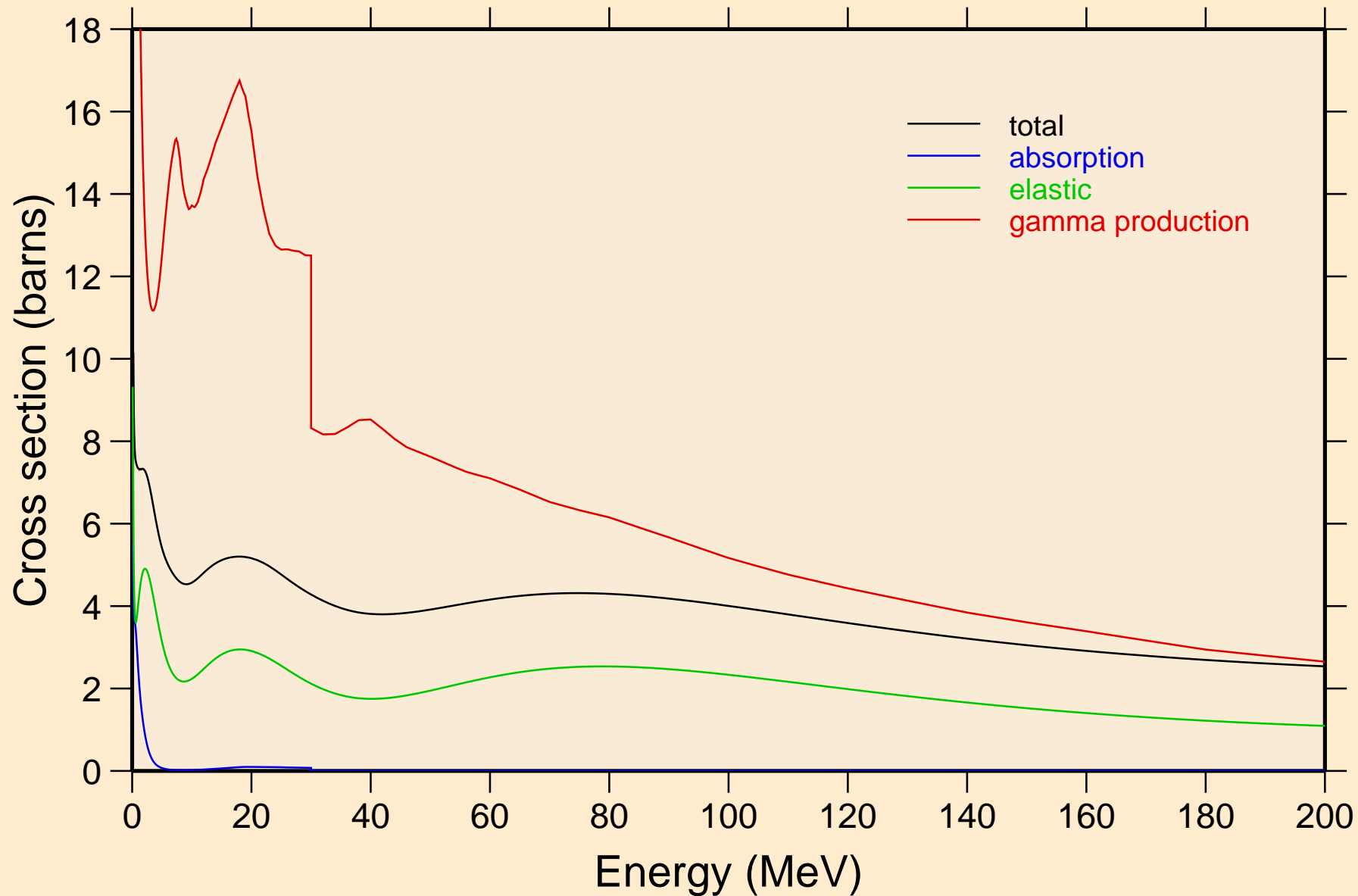


TM164M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



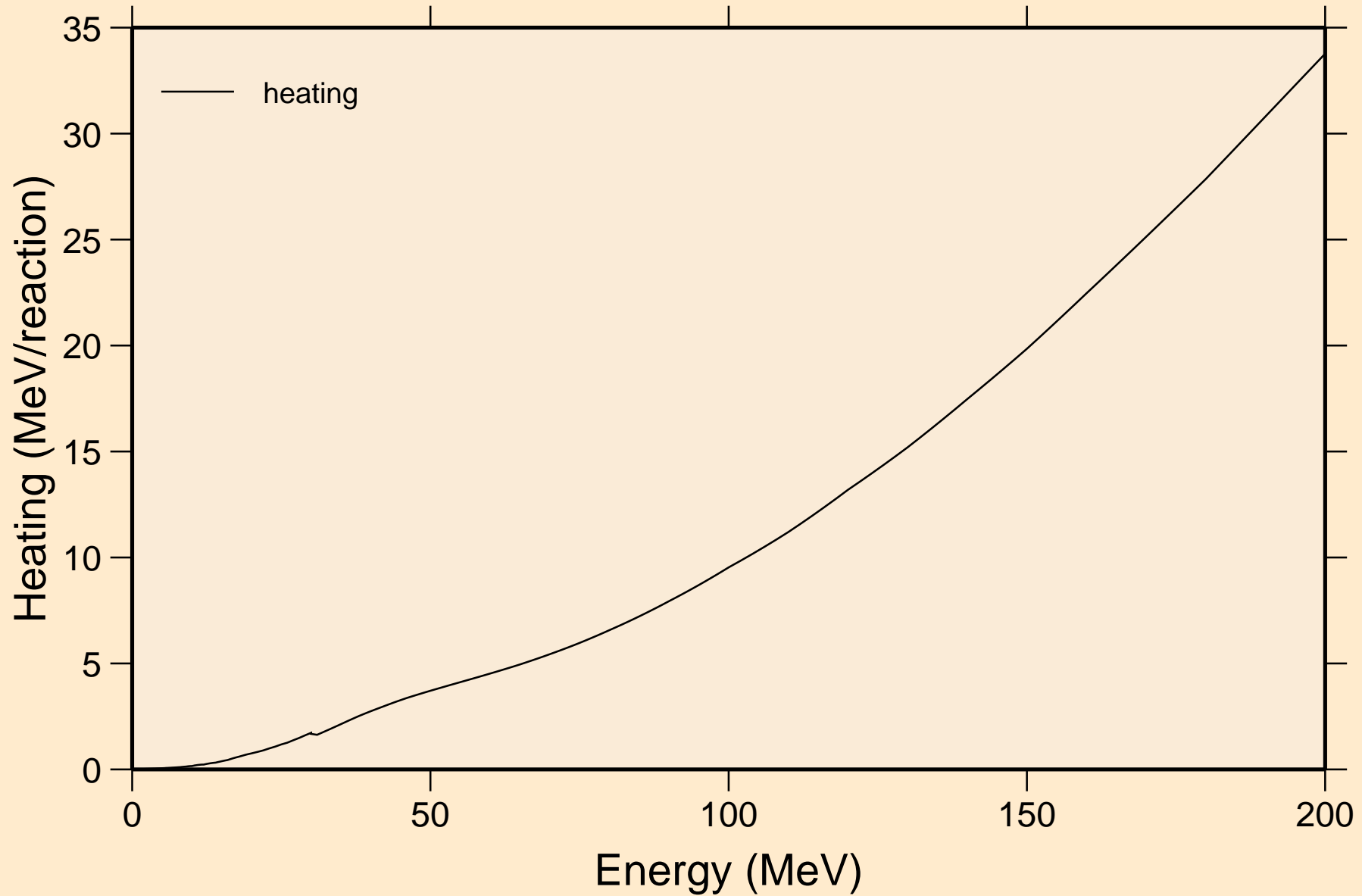
# TM164M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



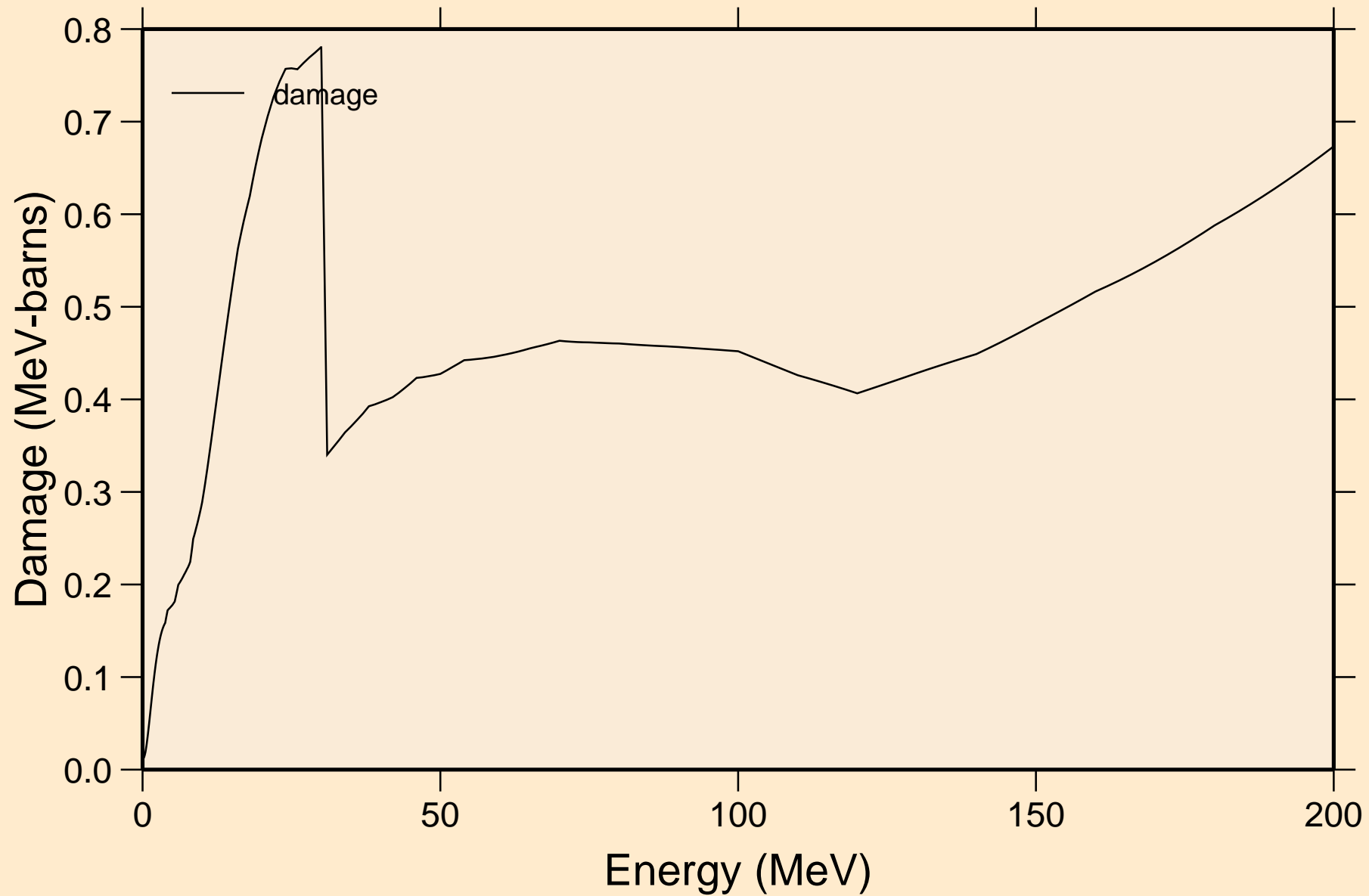
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## Heating

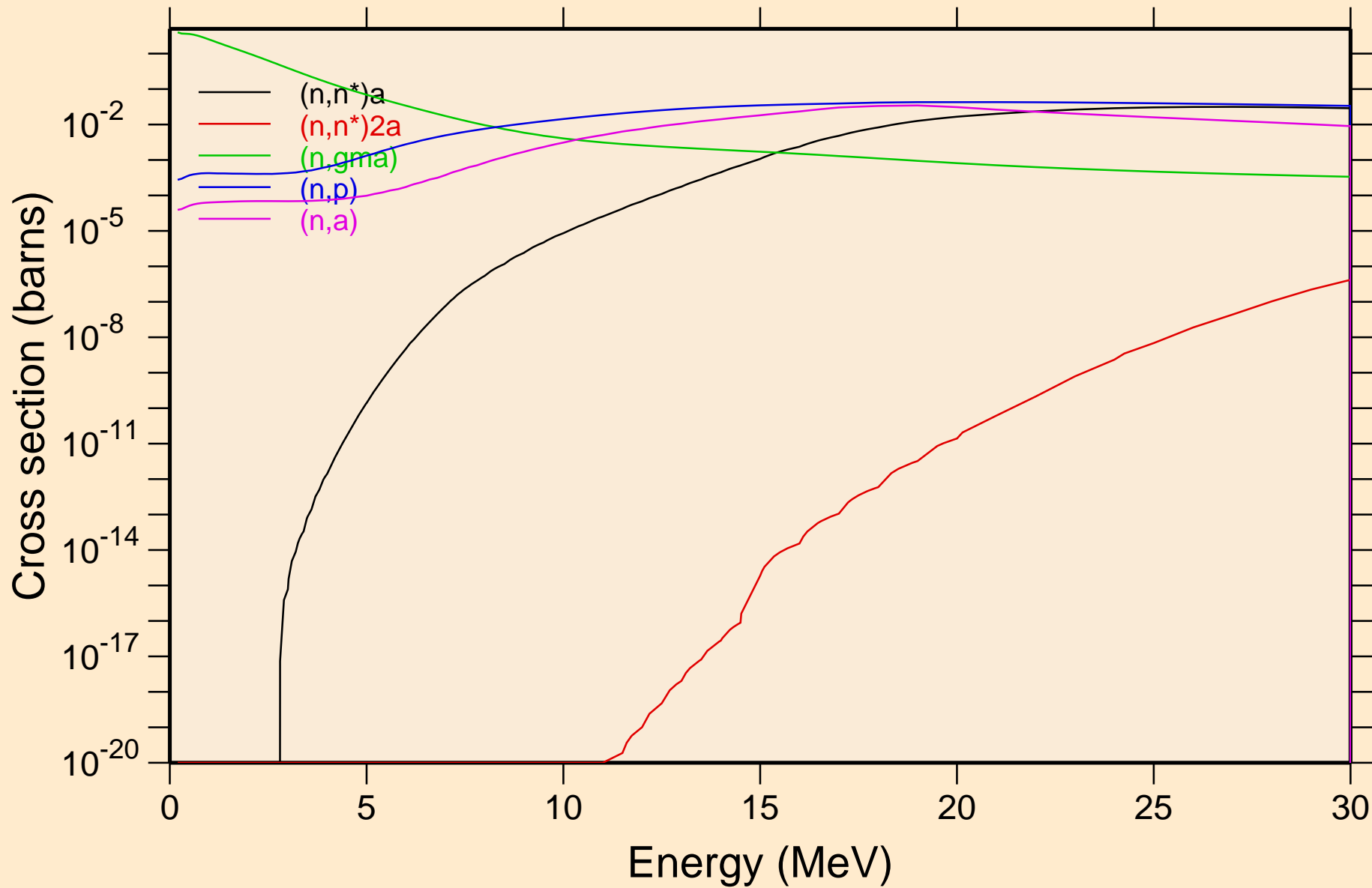


# TM164M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

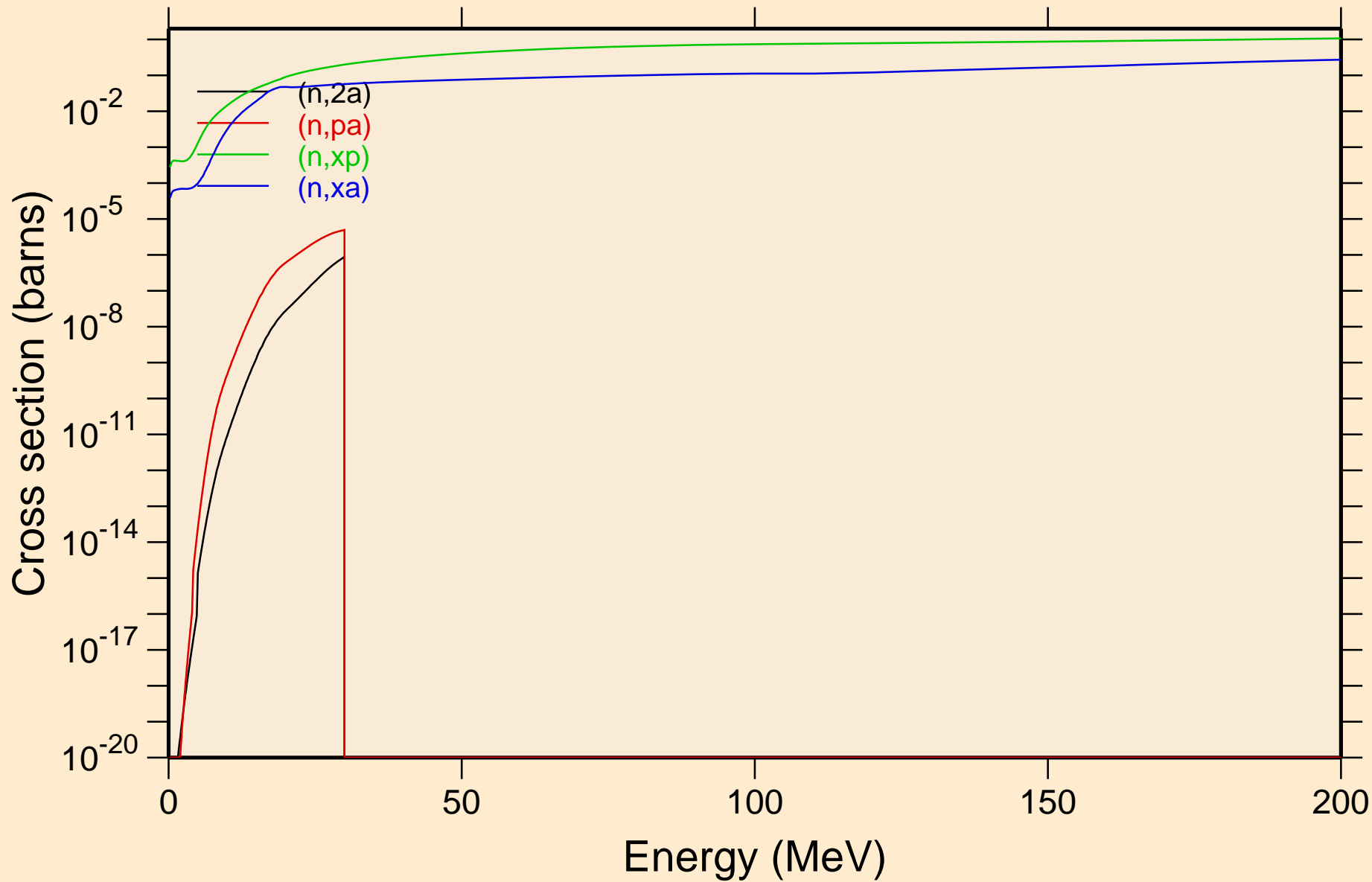
## Damage



TM164M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

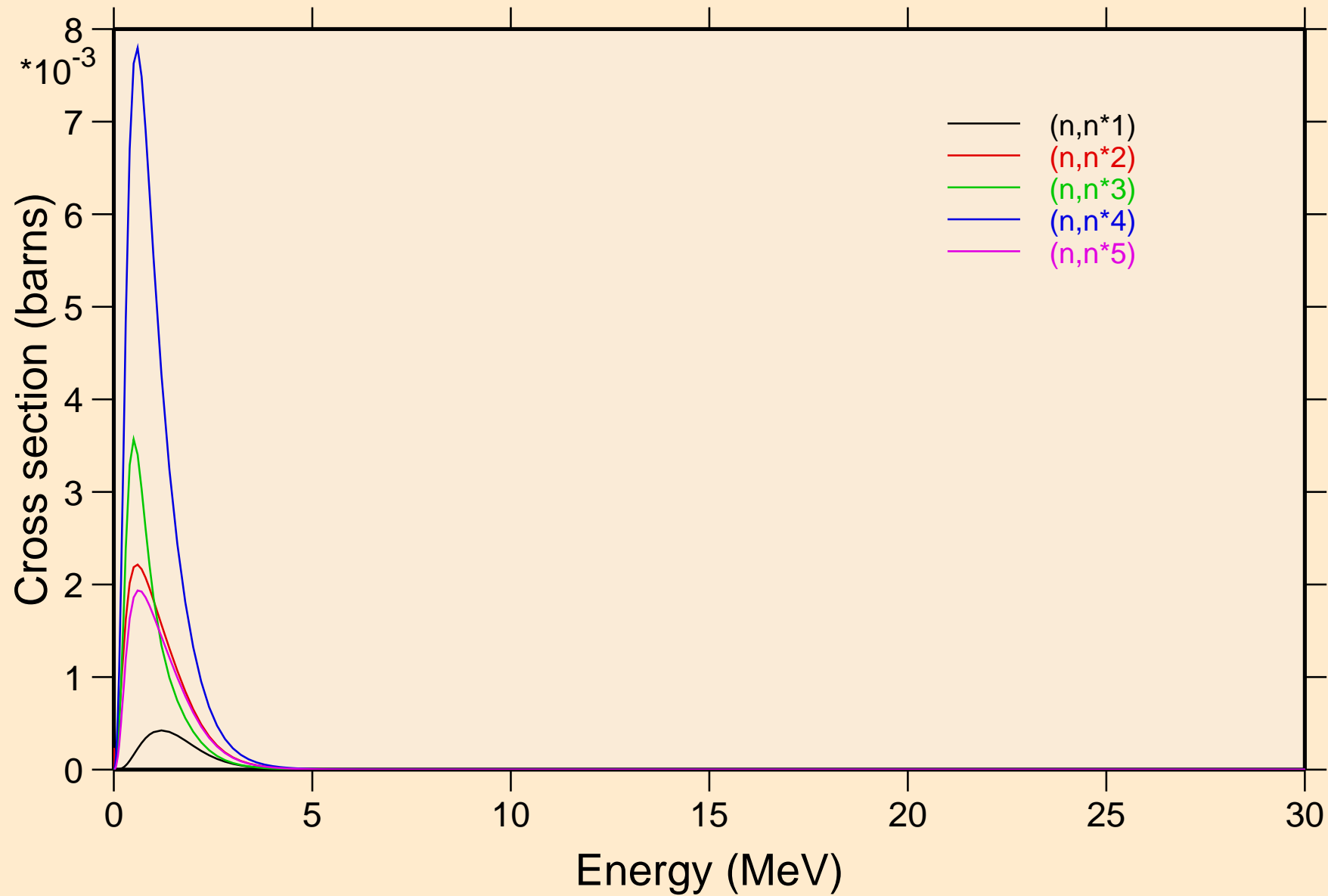


TM164M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

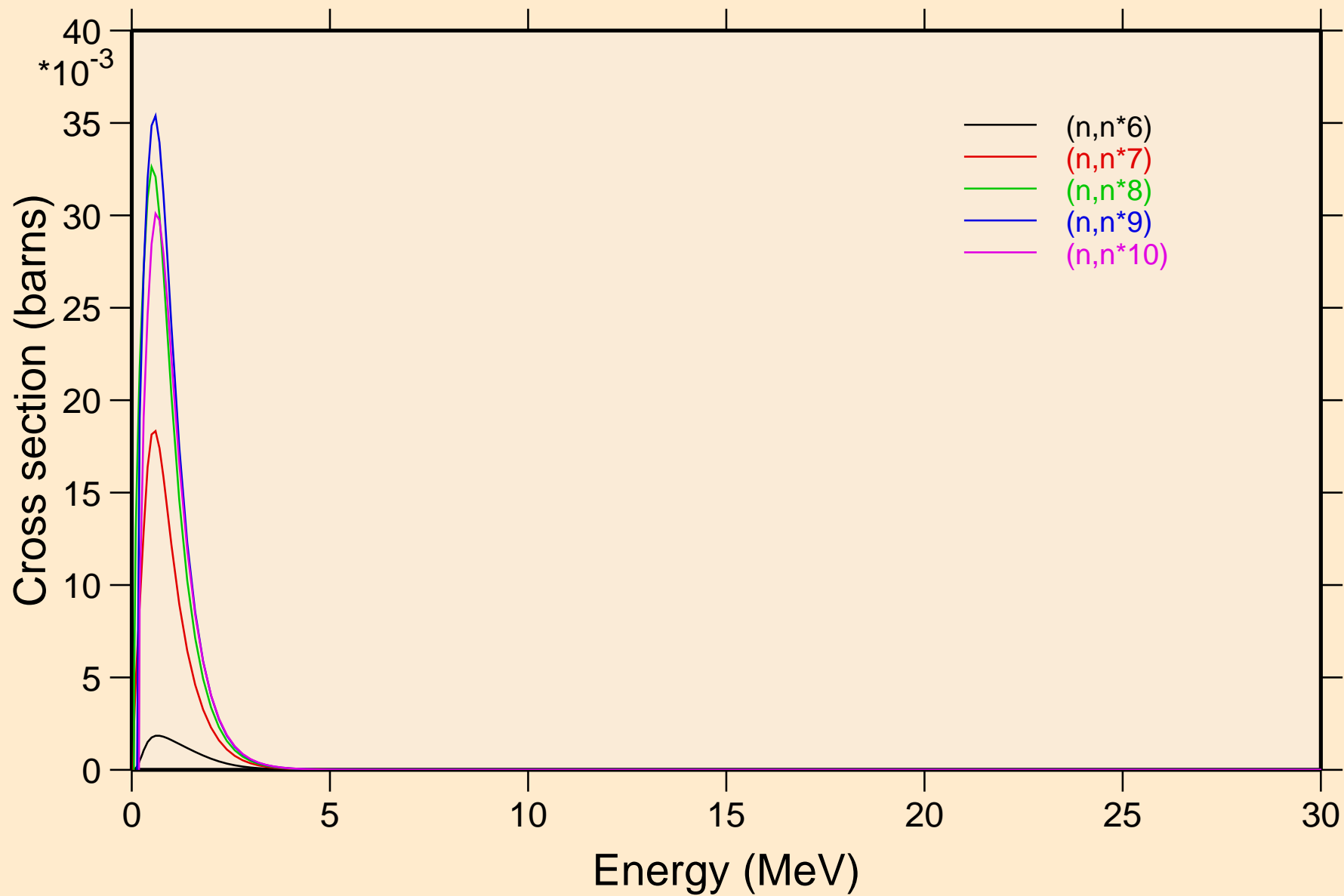




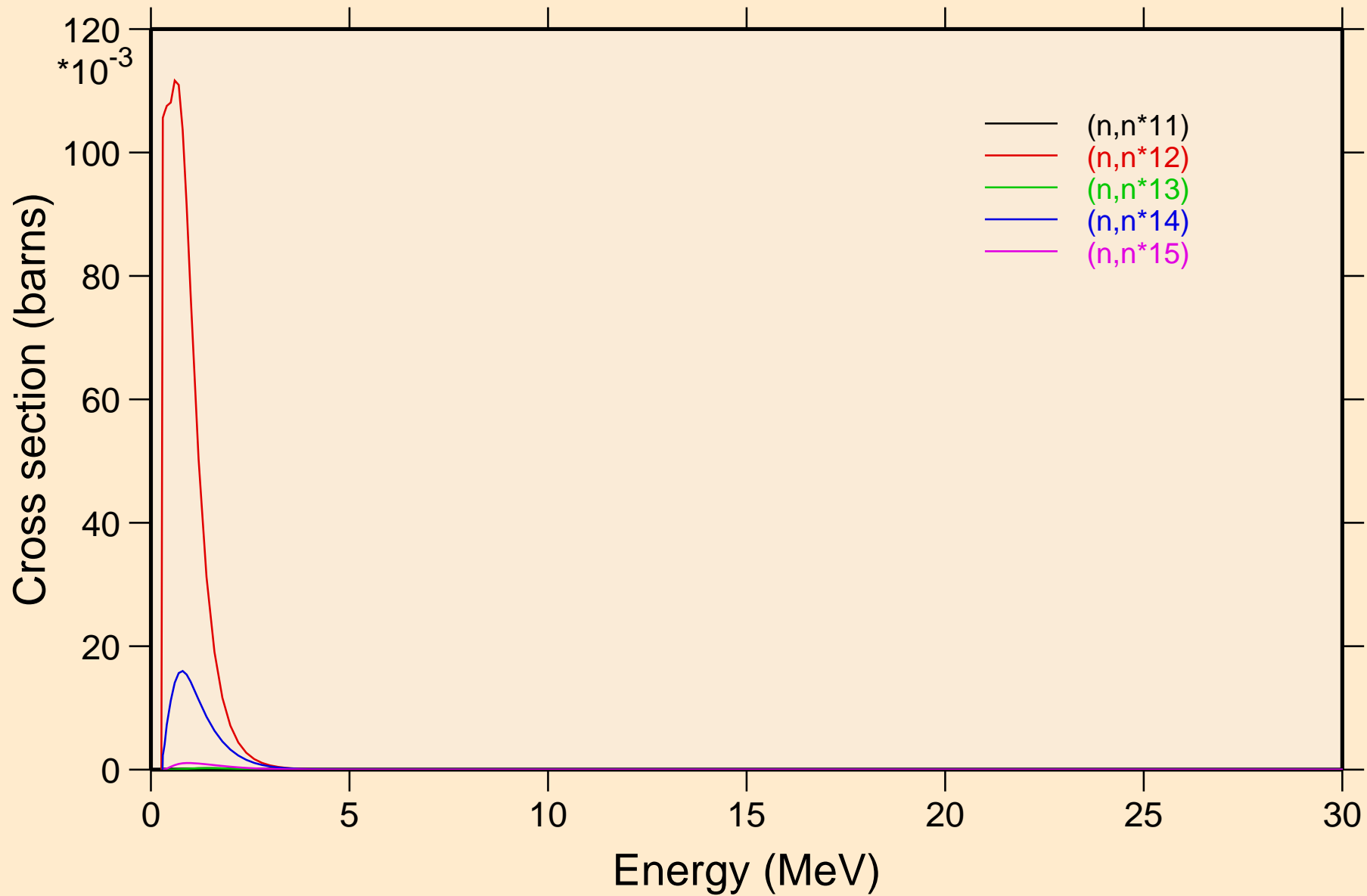
TM164M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



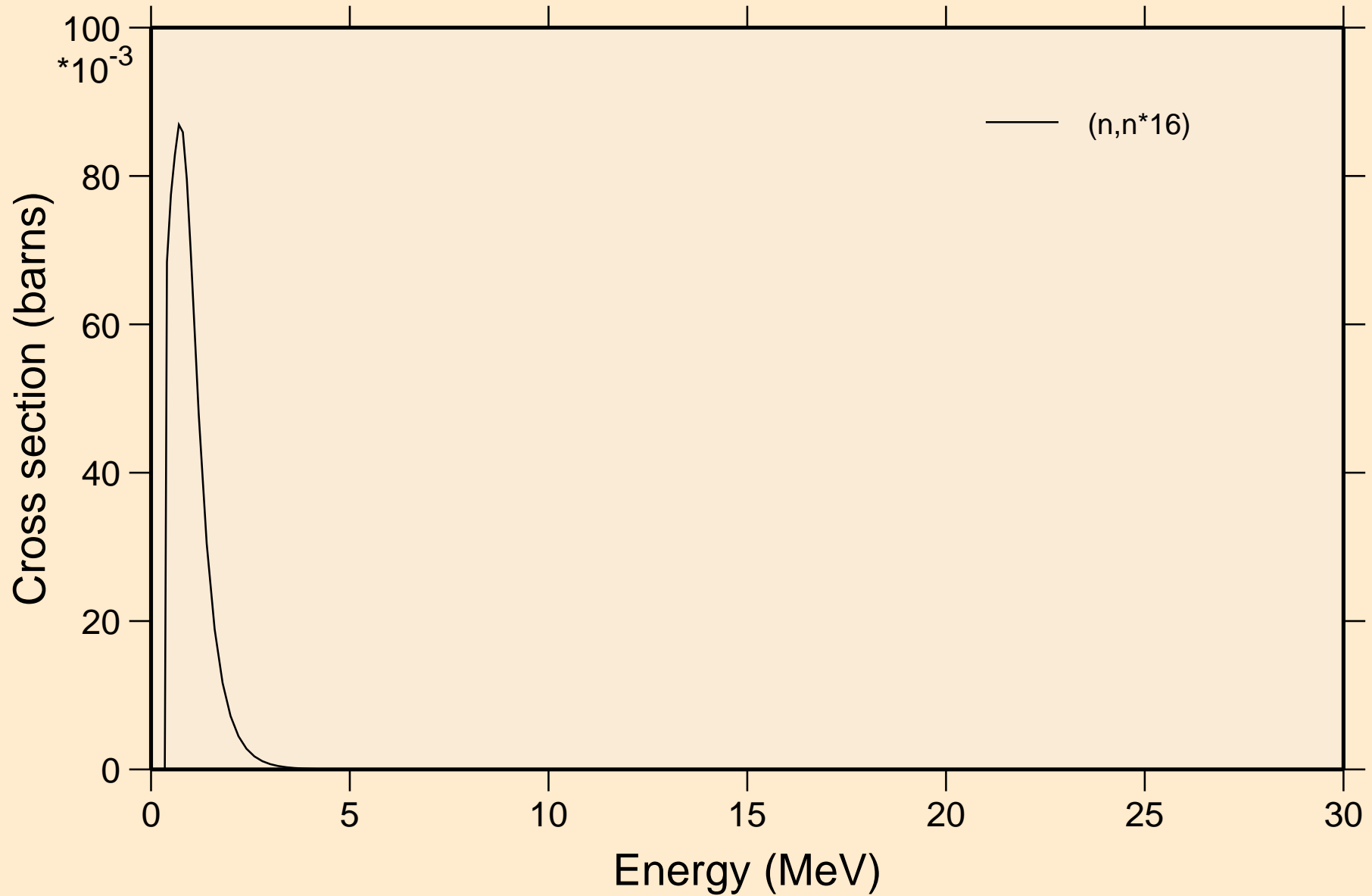
TM164M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



TM164M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

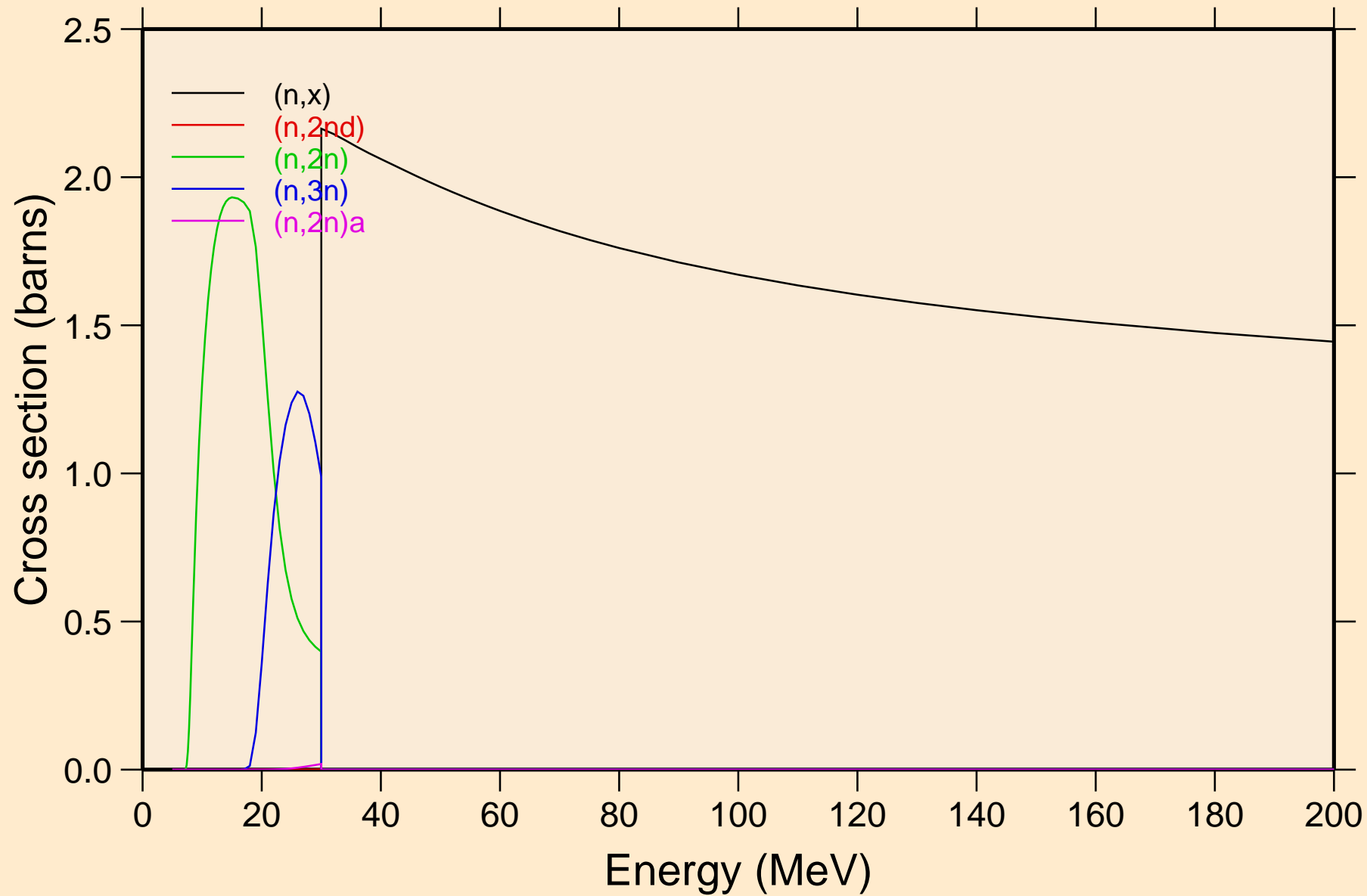


TM164M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

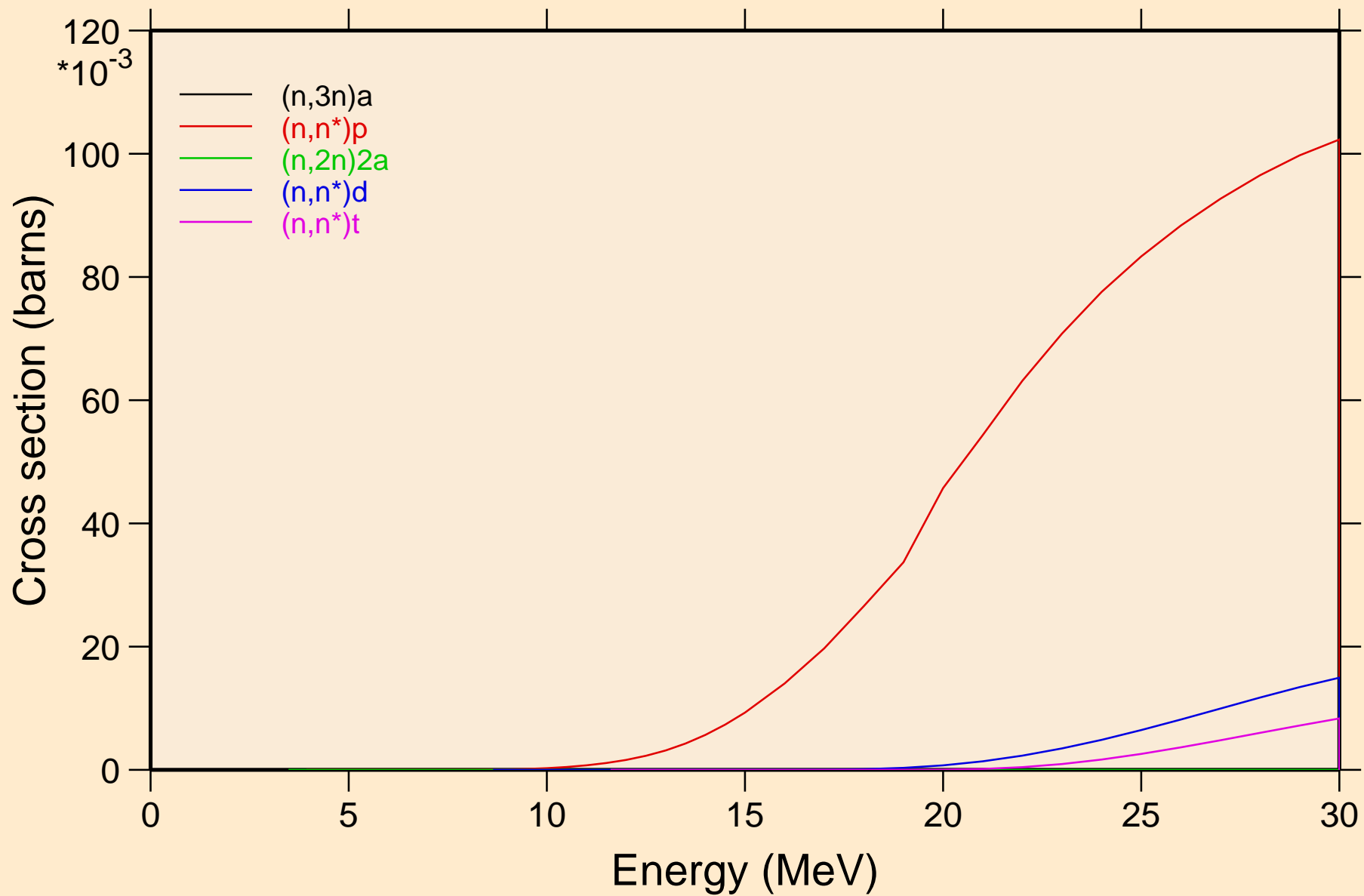


# TM164M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions

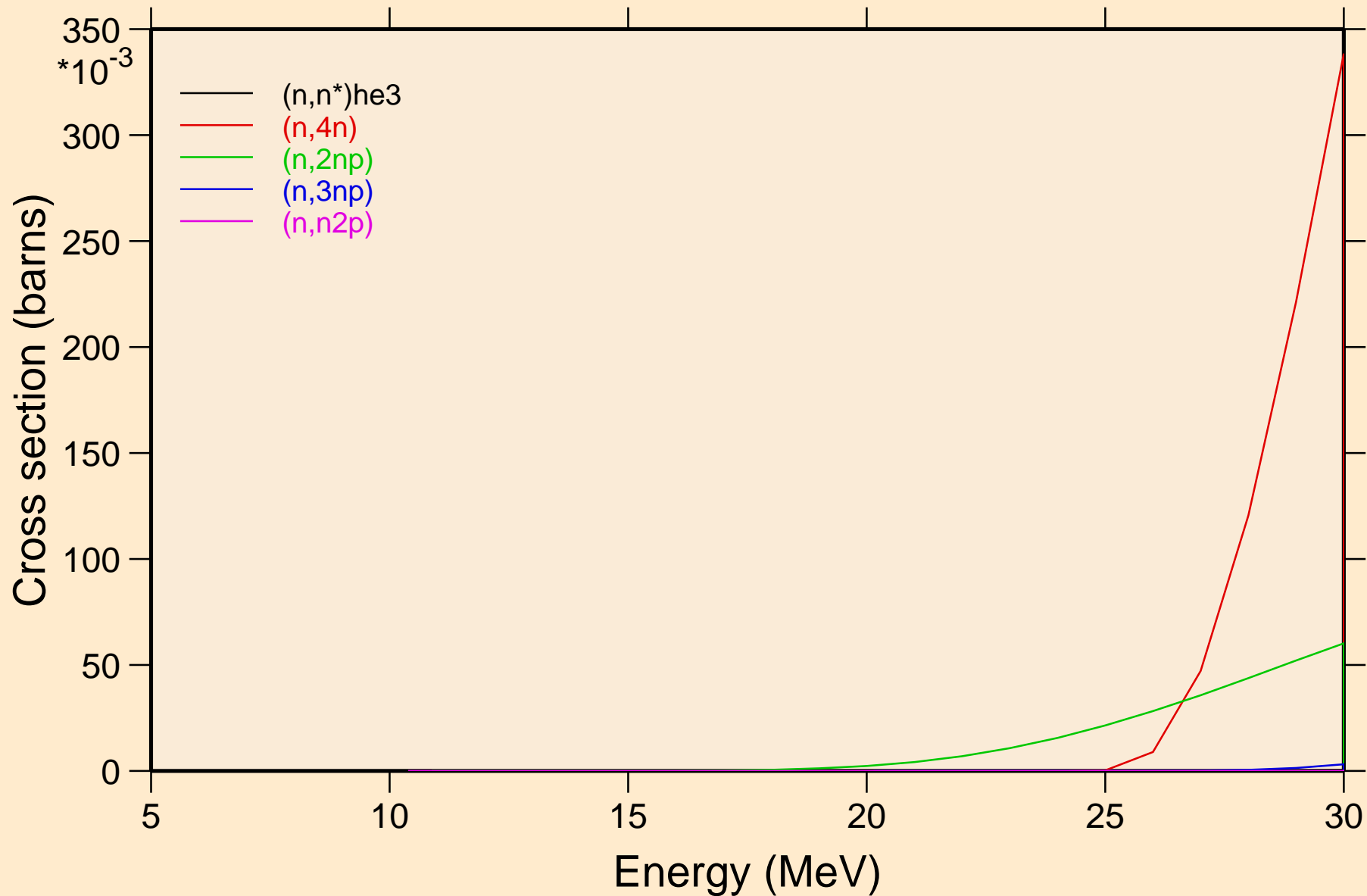


TM164M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

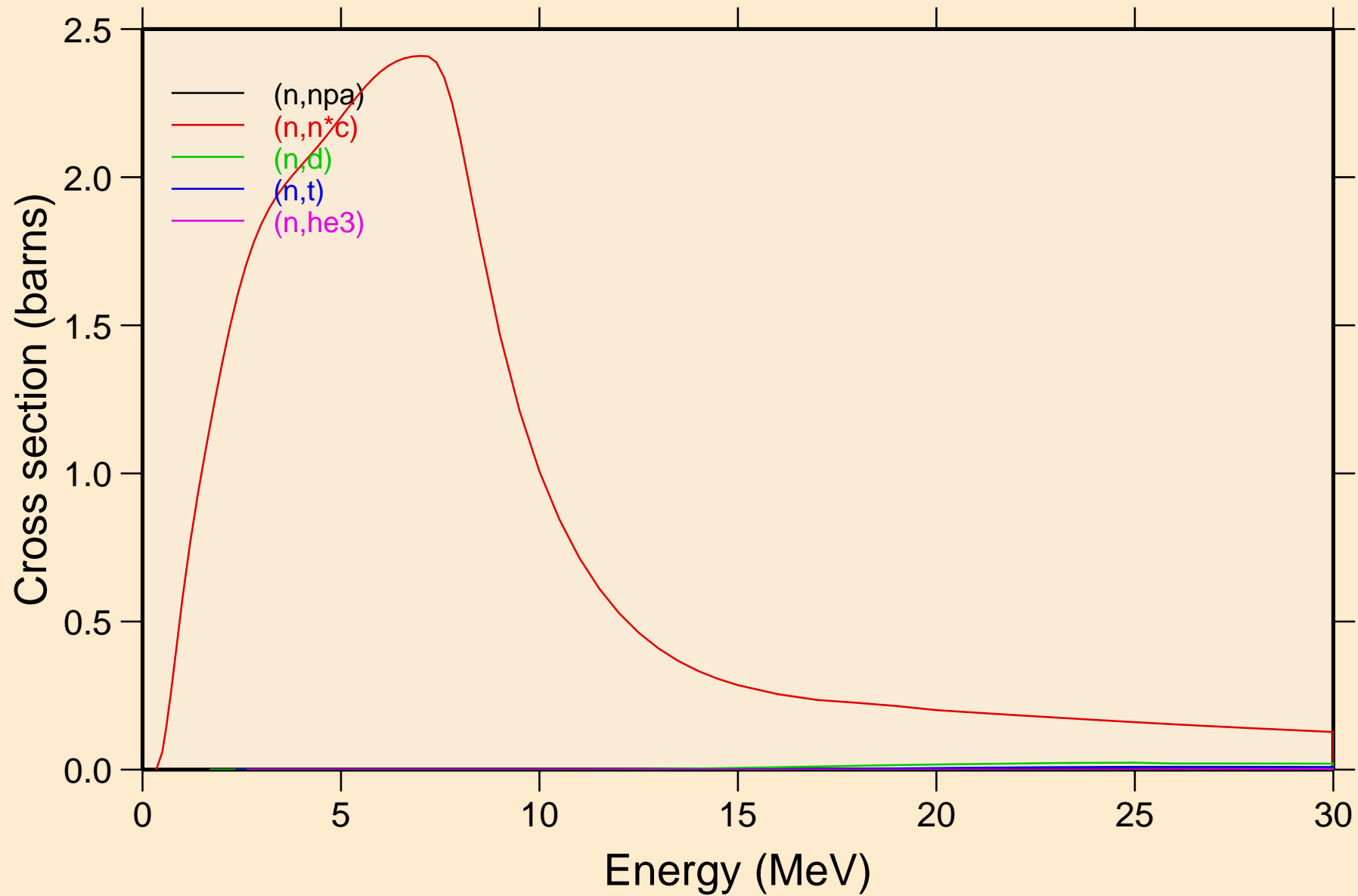


# TM164M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions

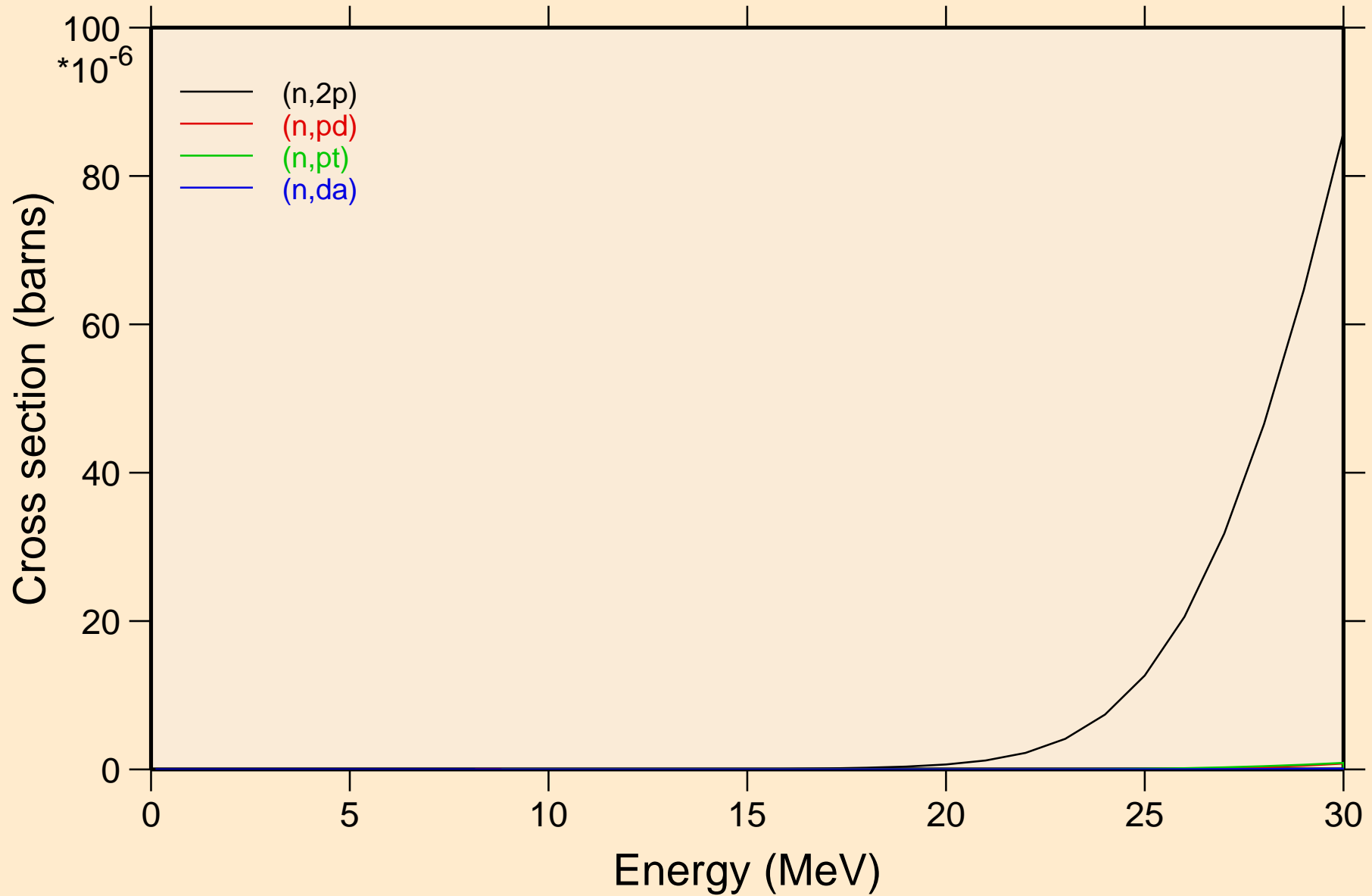


TM164M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



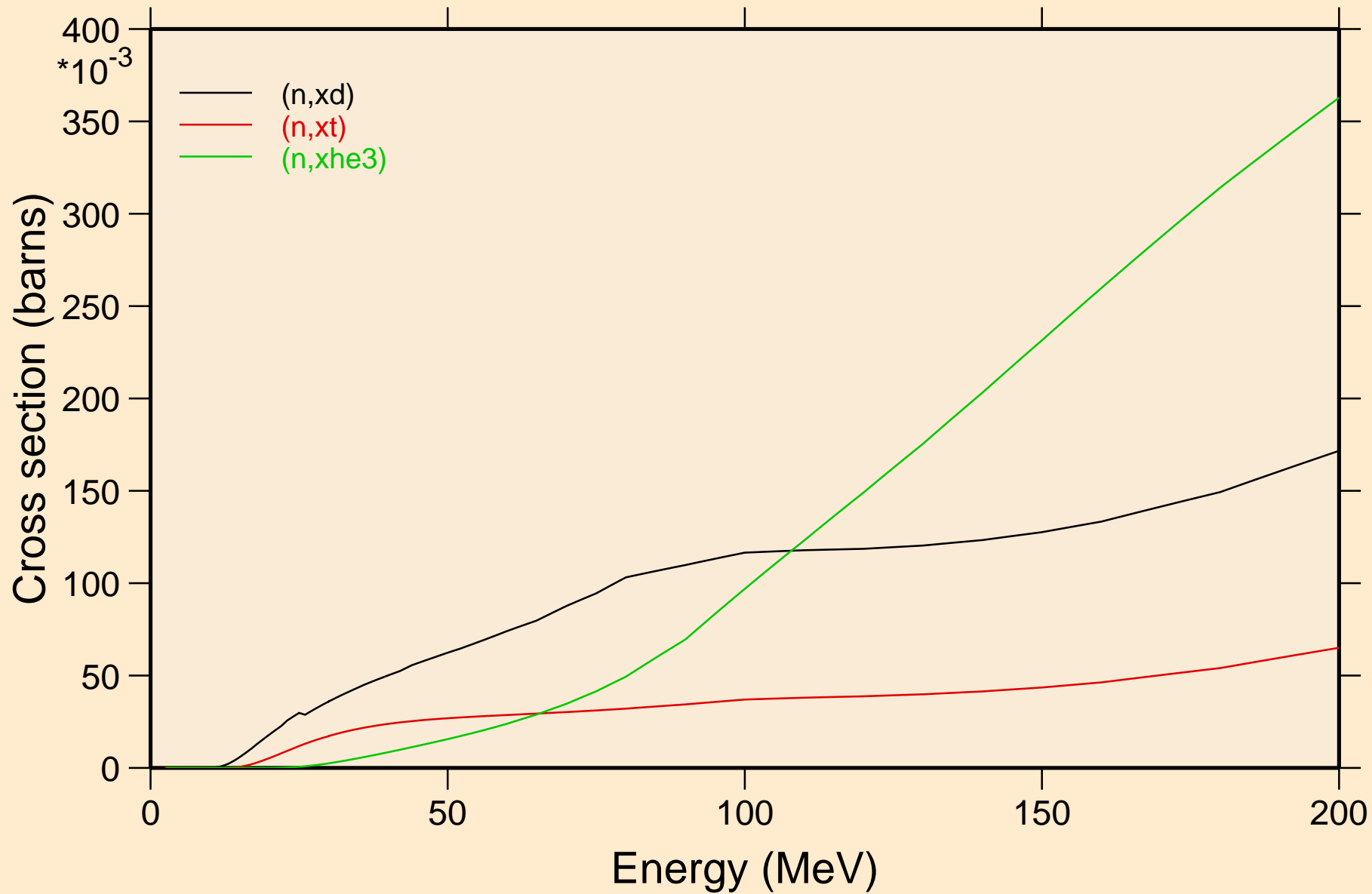


TM164M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

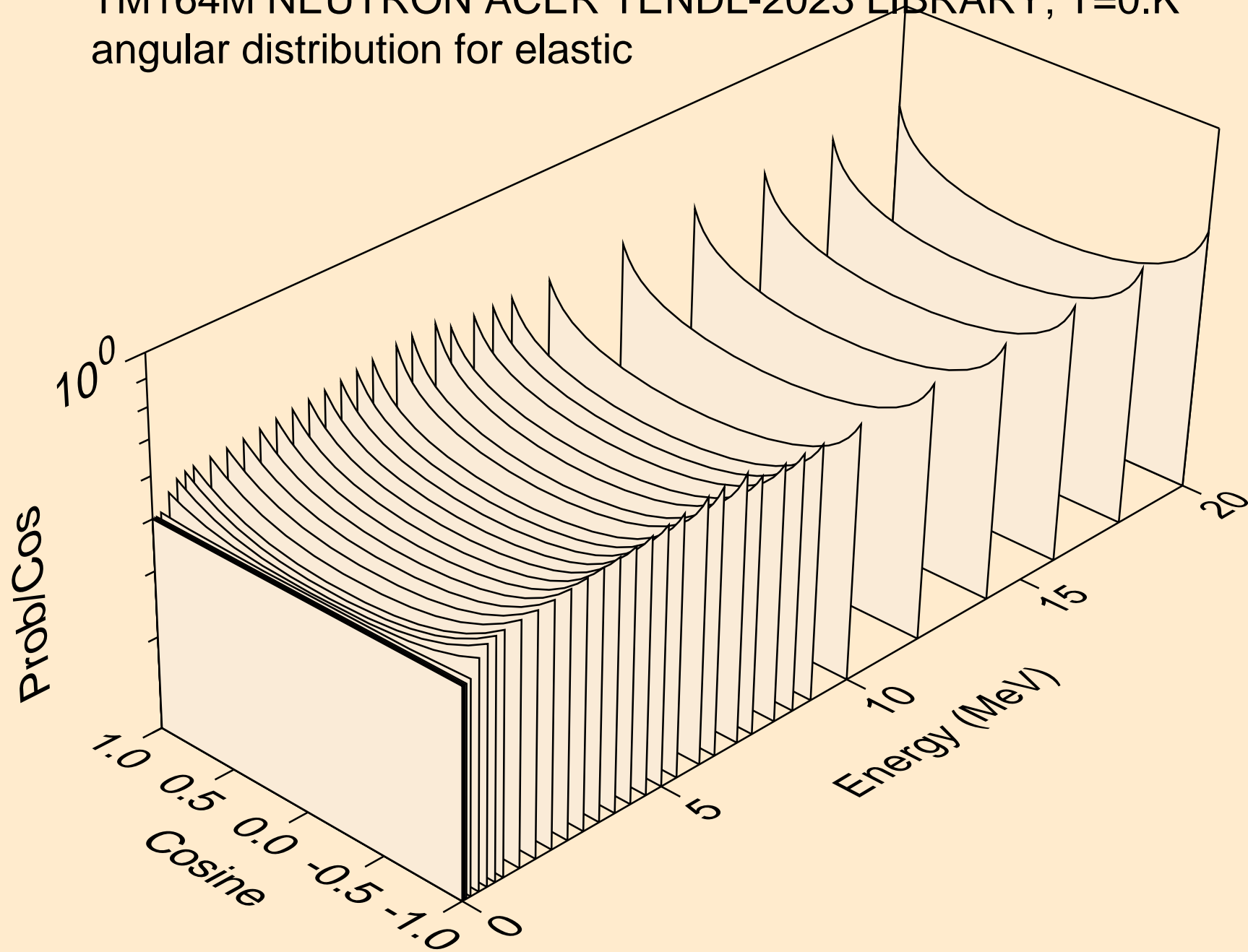


# TM164M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

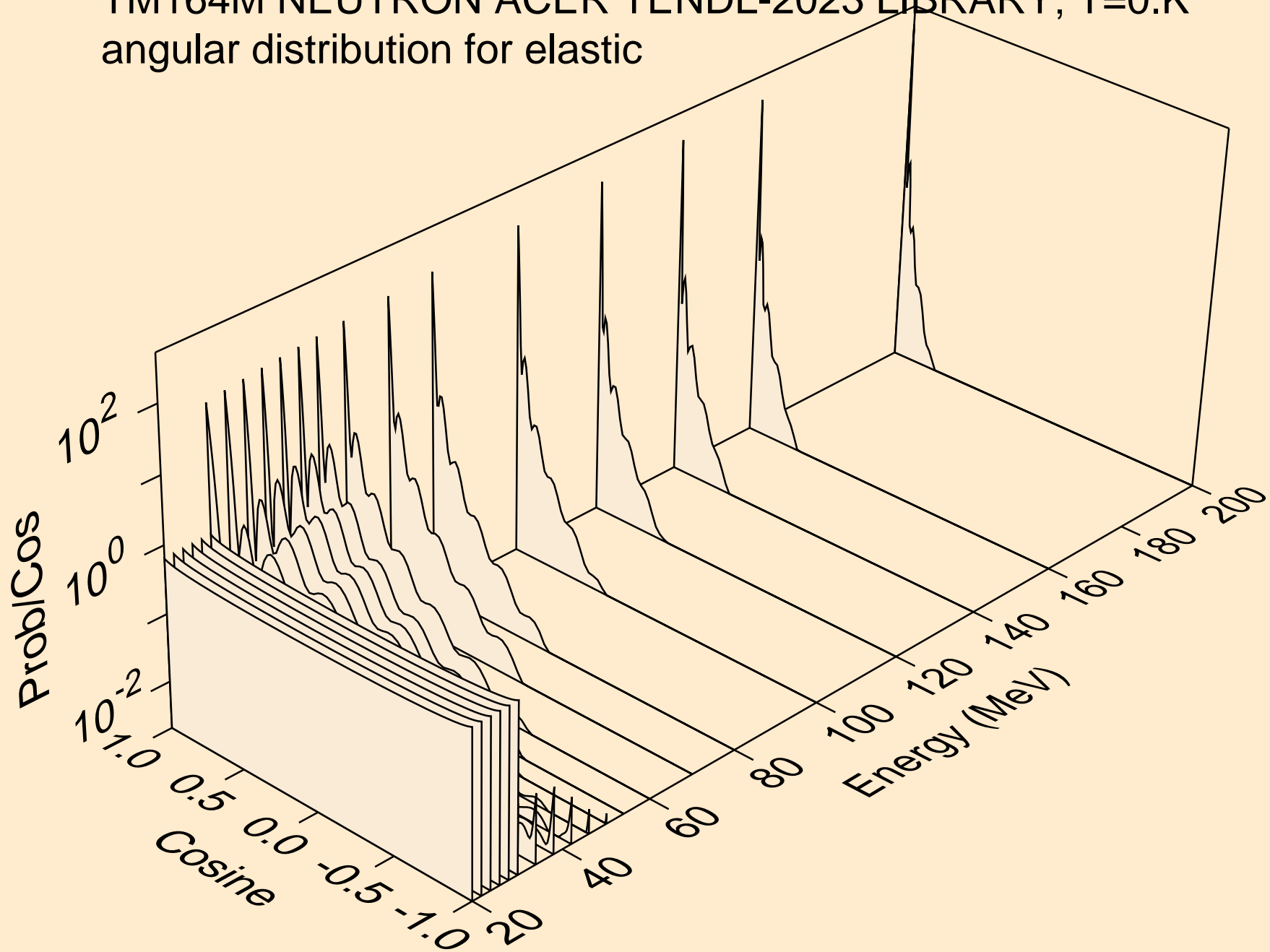
## Threshold reactions



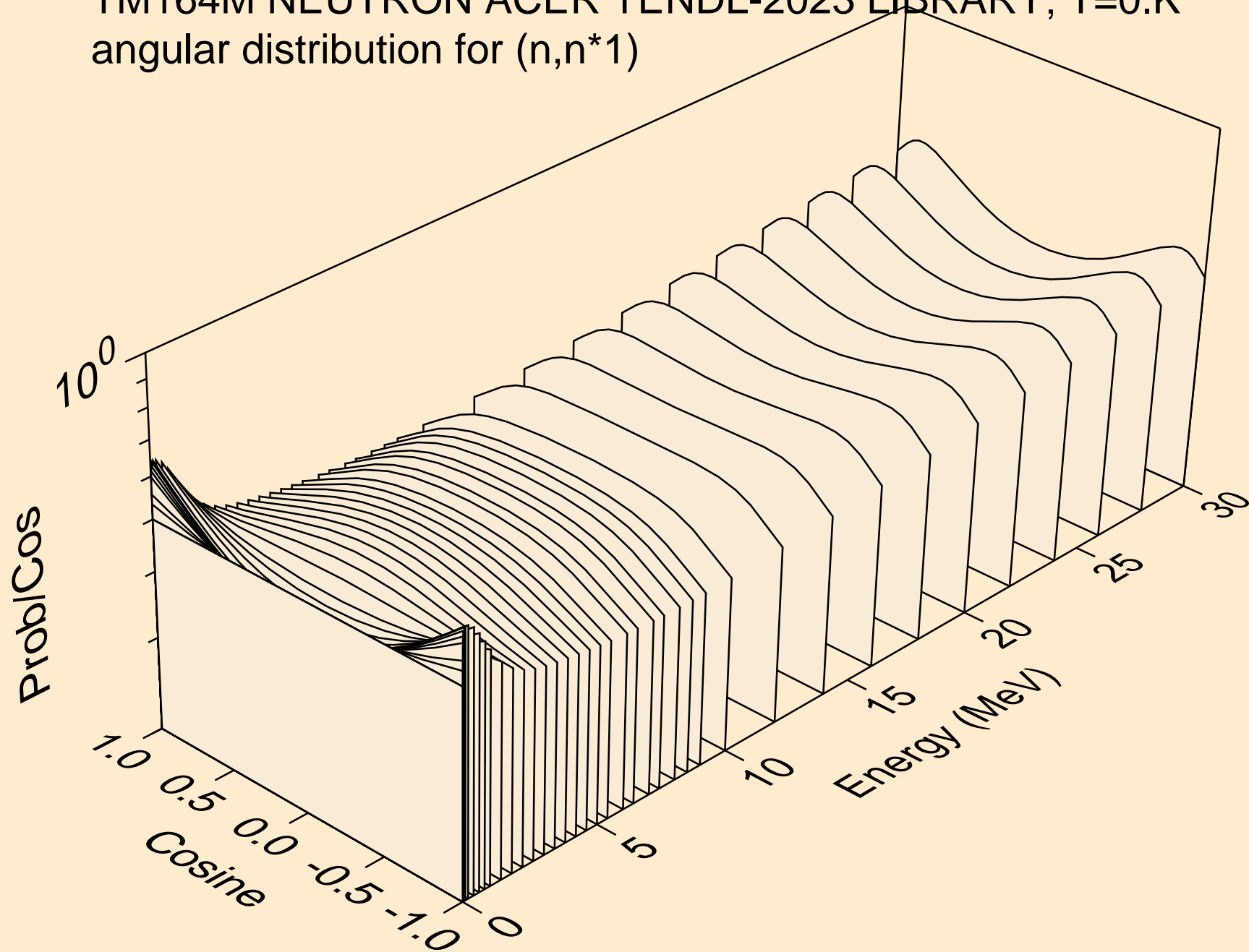
TM164M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



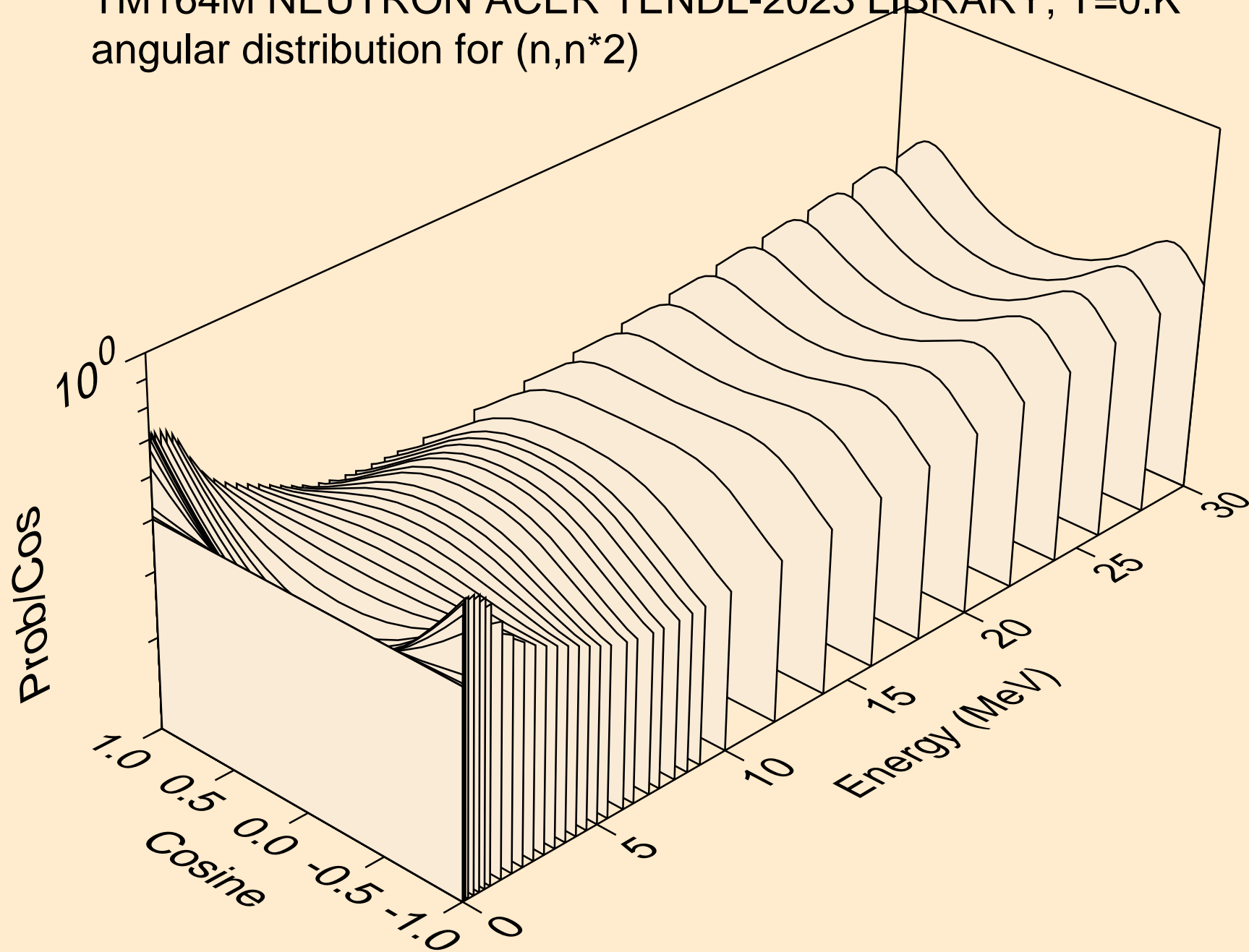
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angular distribution for elastic



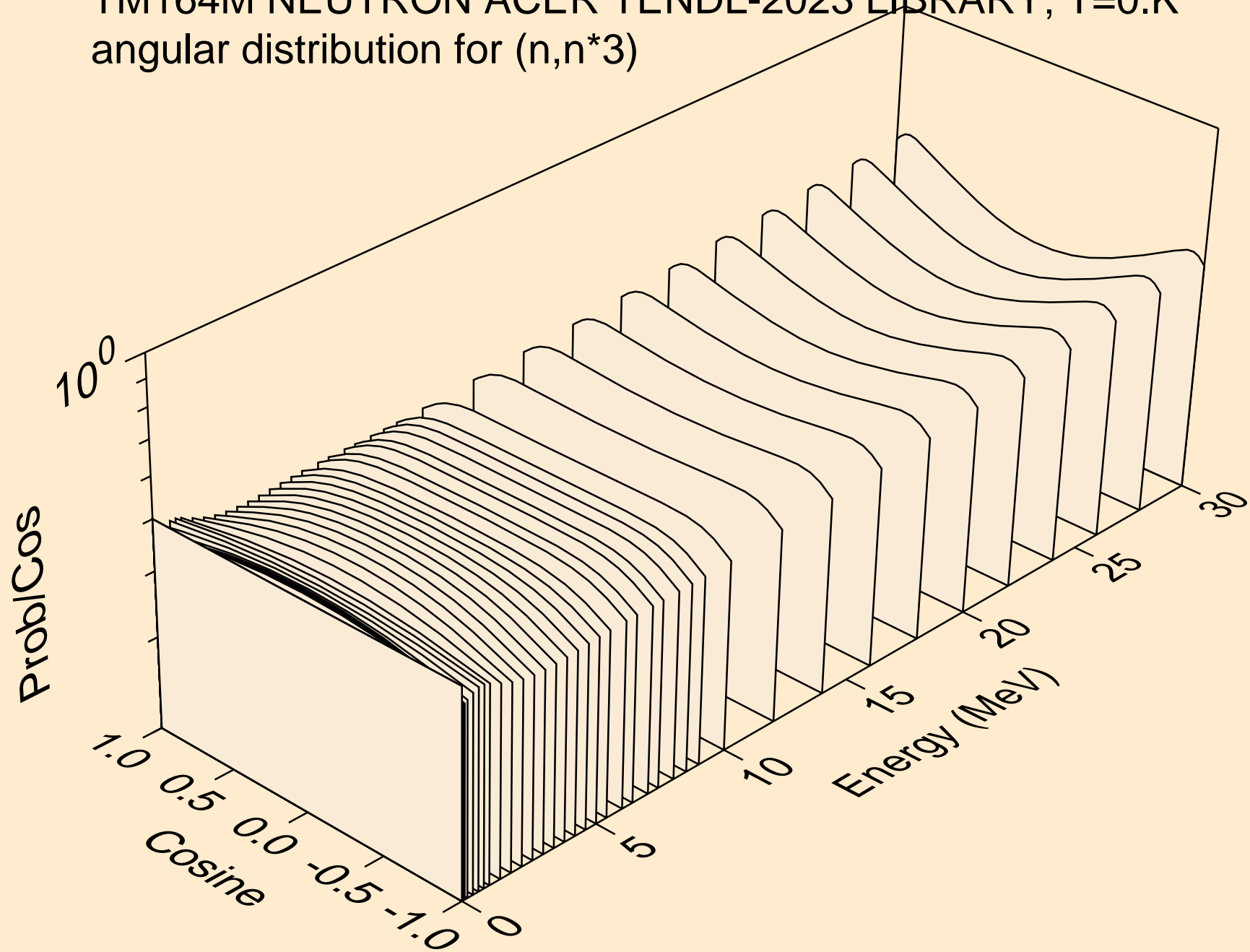
TM164M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



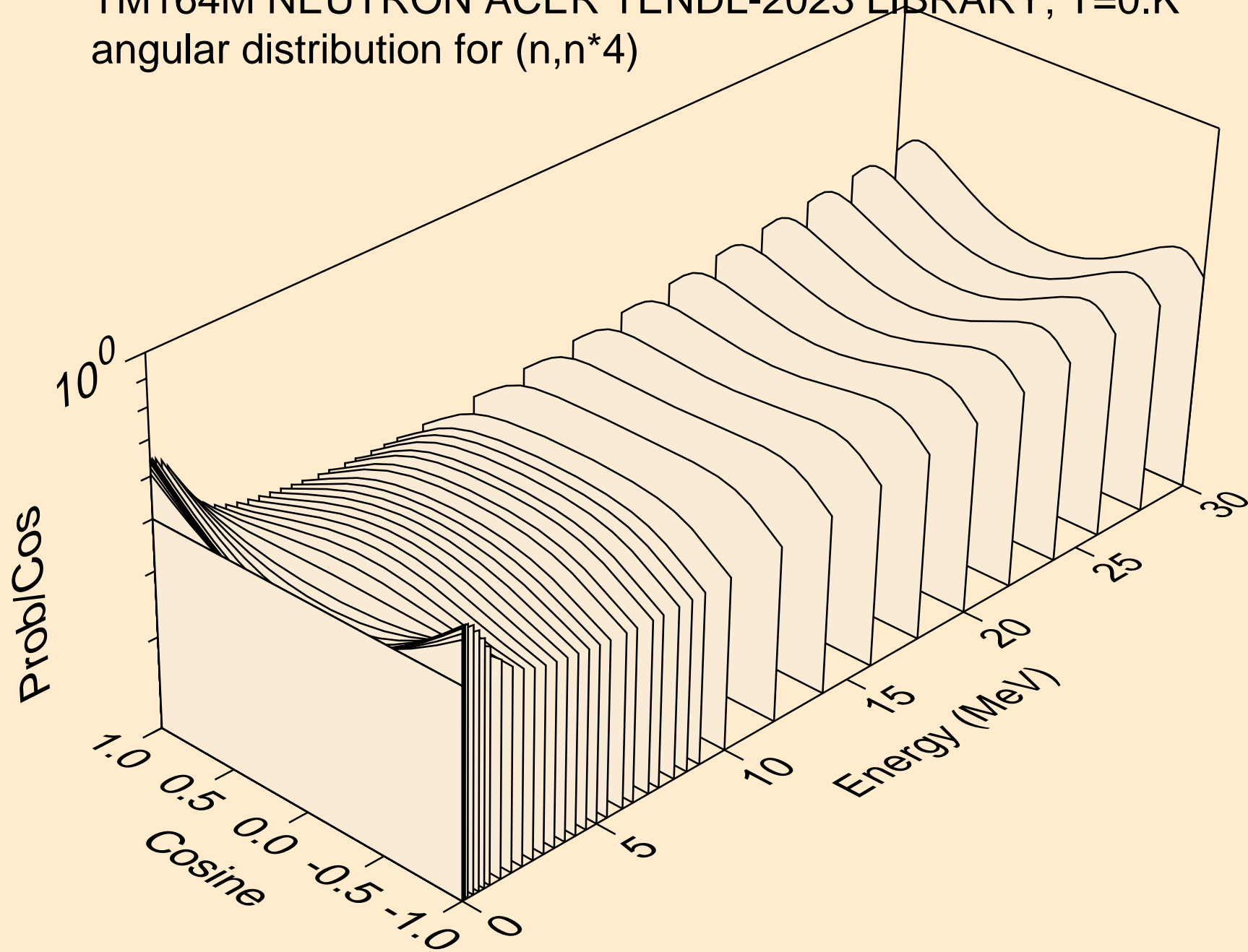
TM164M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*2)



TM164M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*3)

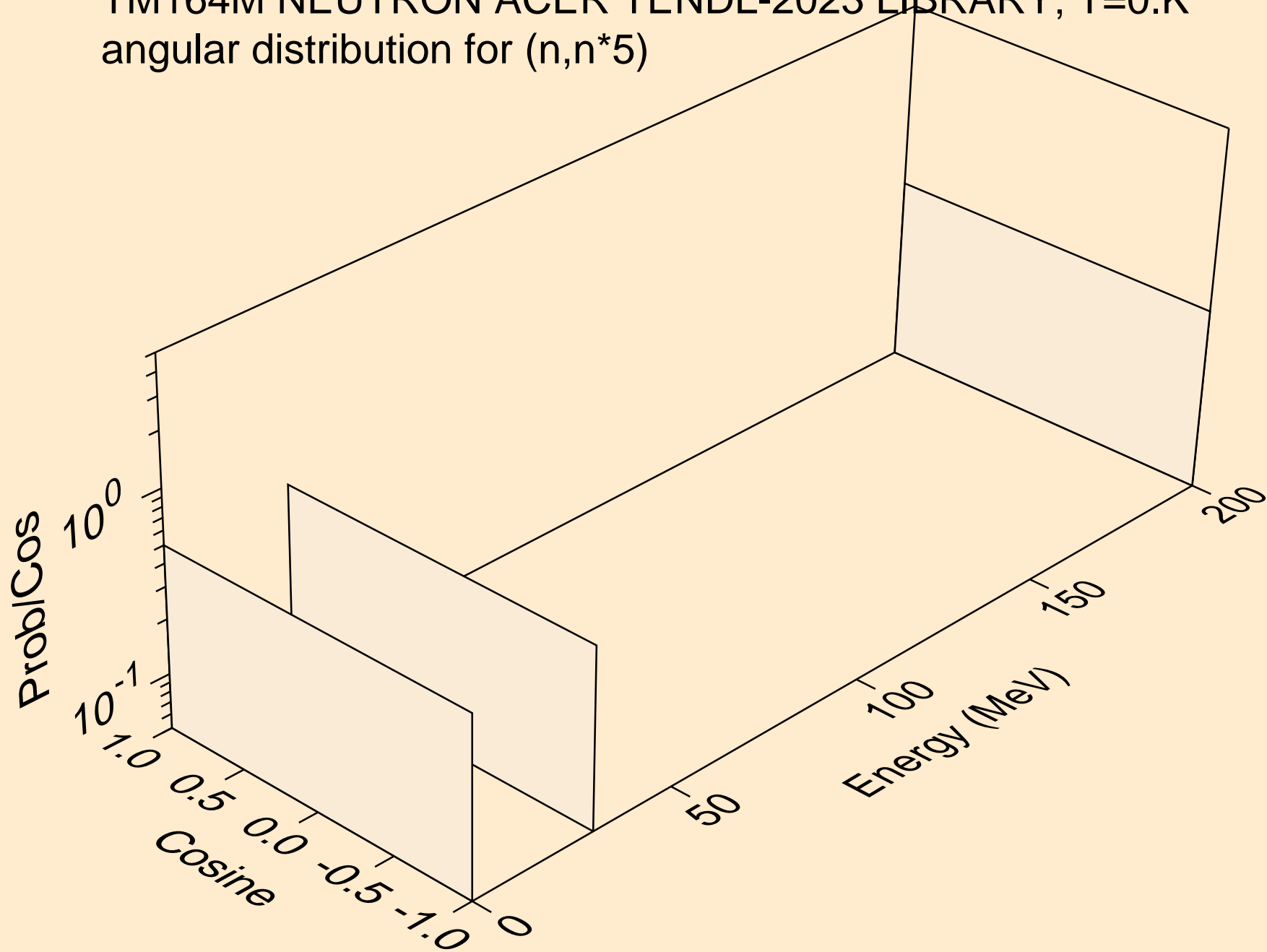


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angular distribution for (n,n\*4)

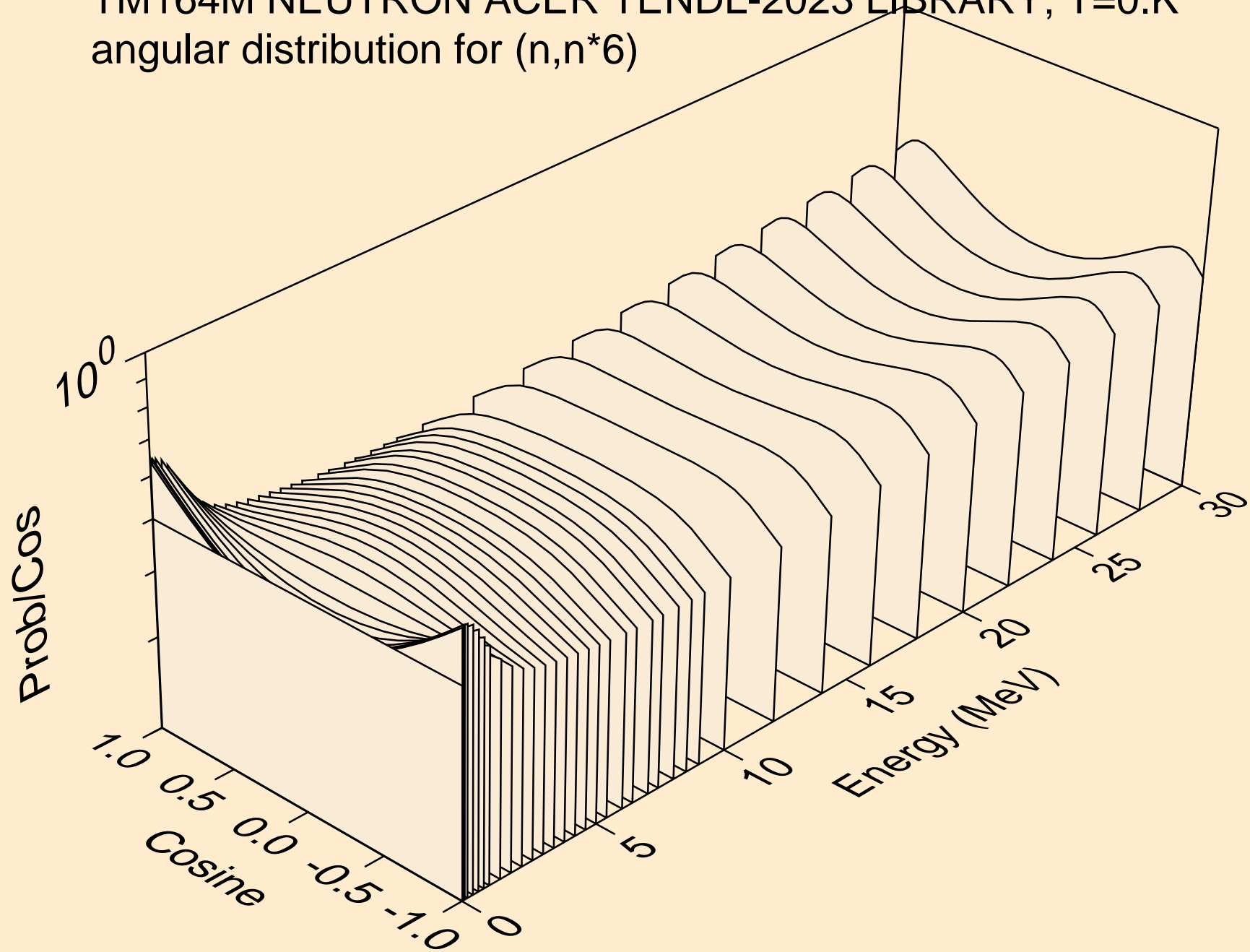




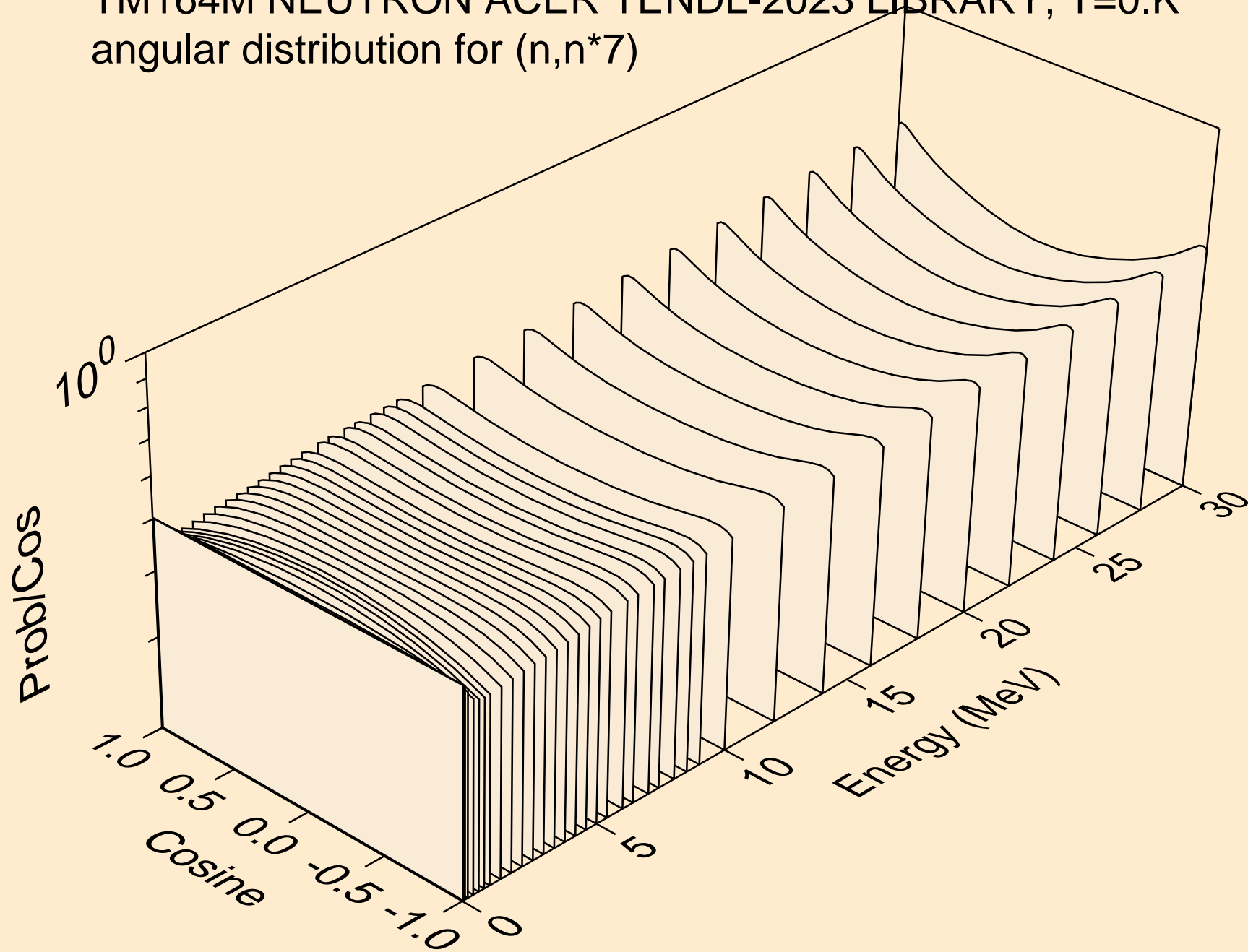
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angular distribution for (n,n\*5)



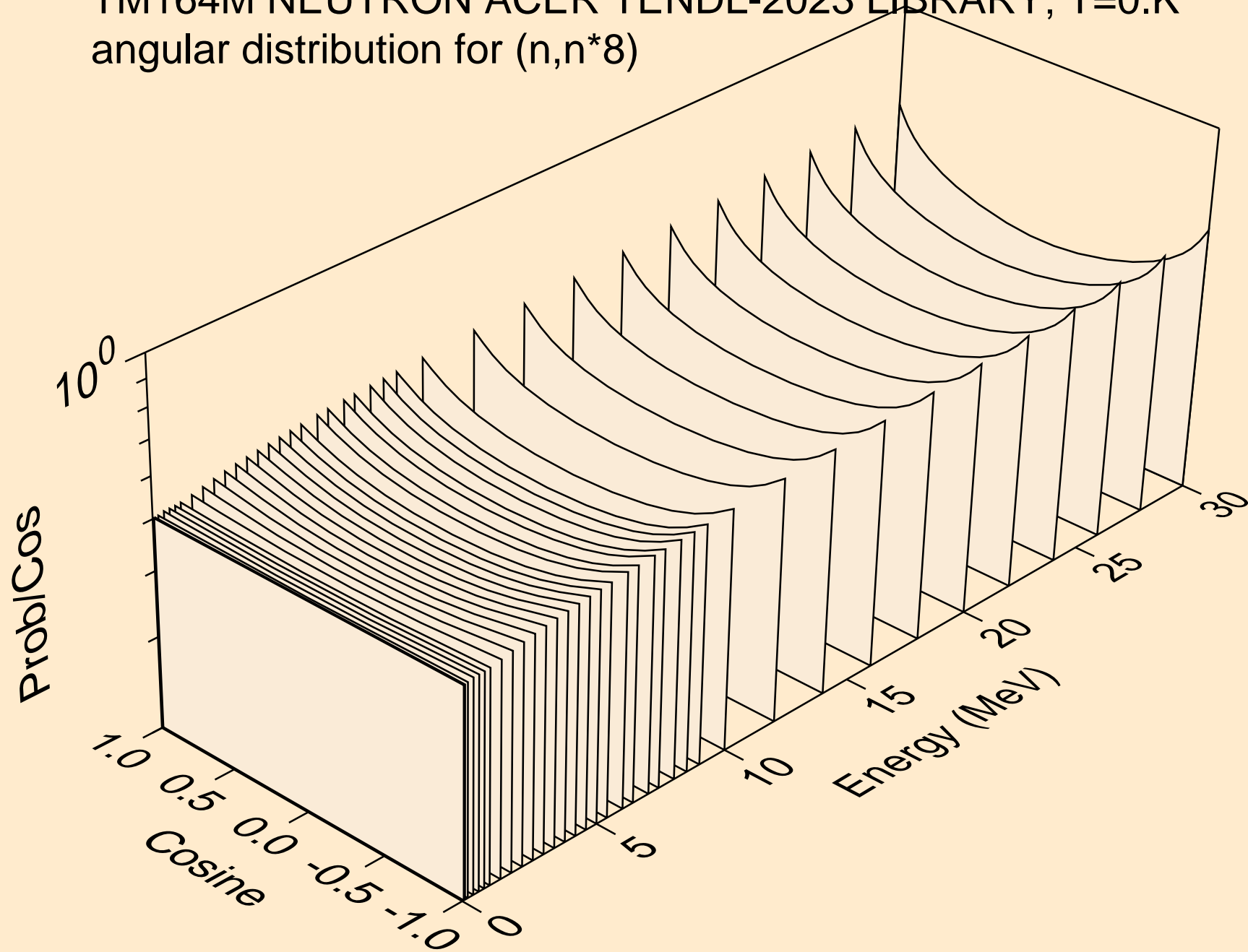
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angular distribution for (n,n\*6)



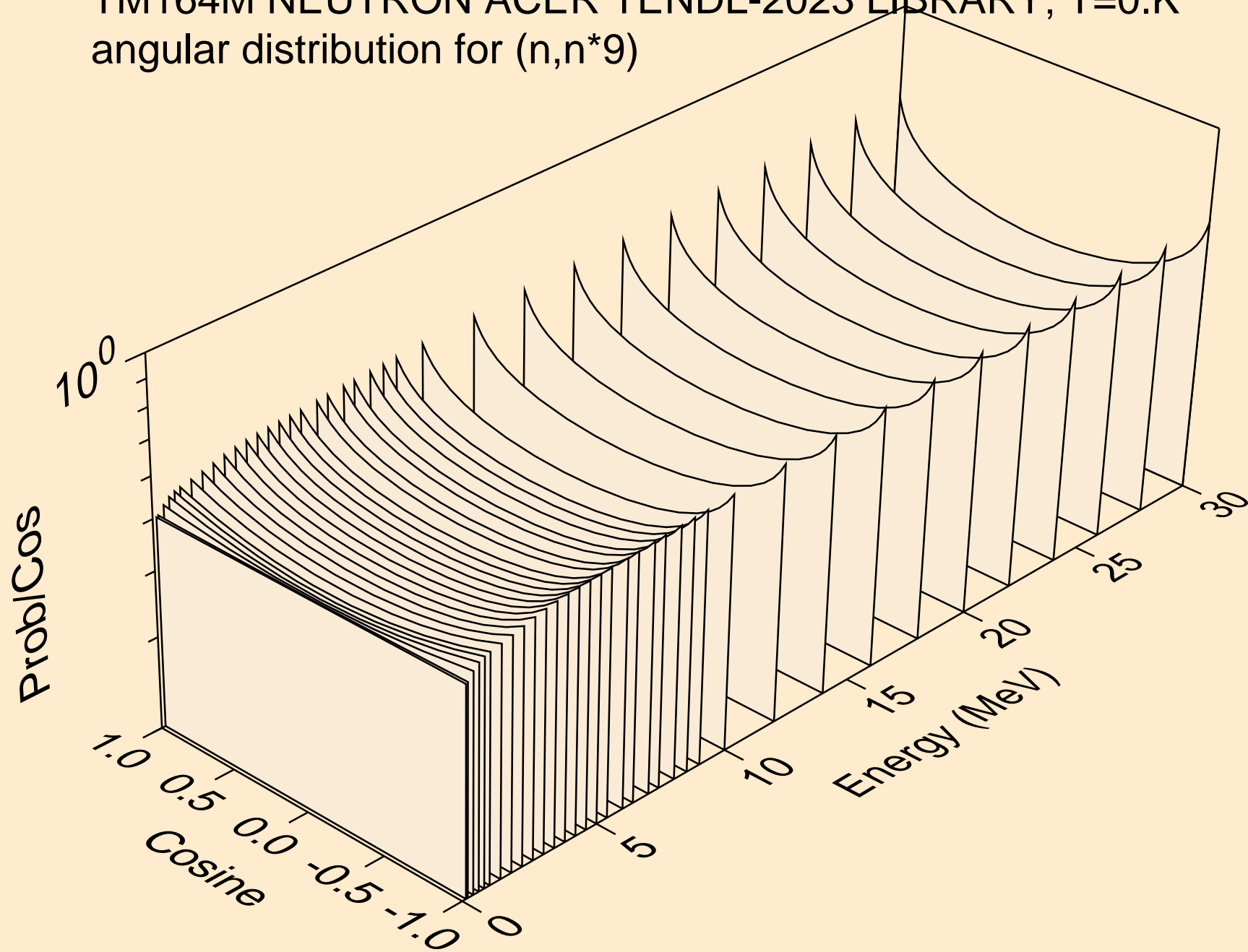
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angular distribution for (n,n\*7)



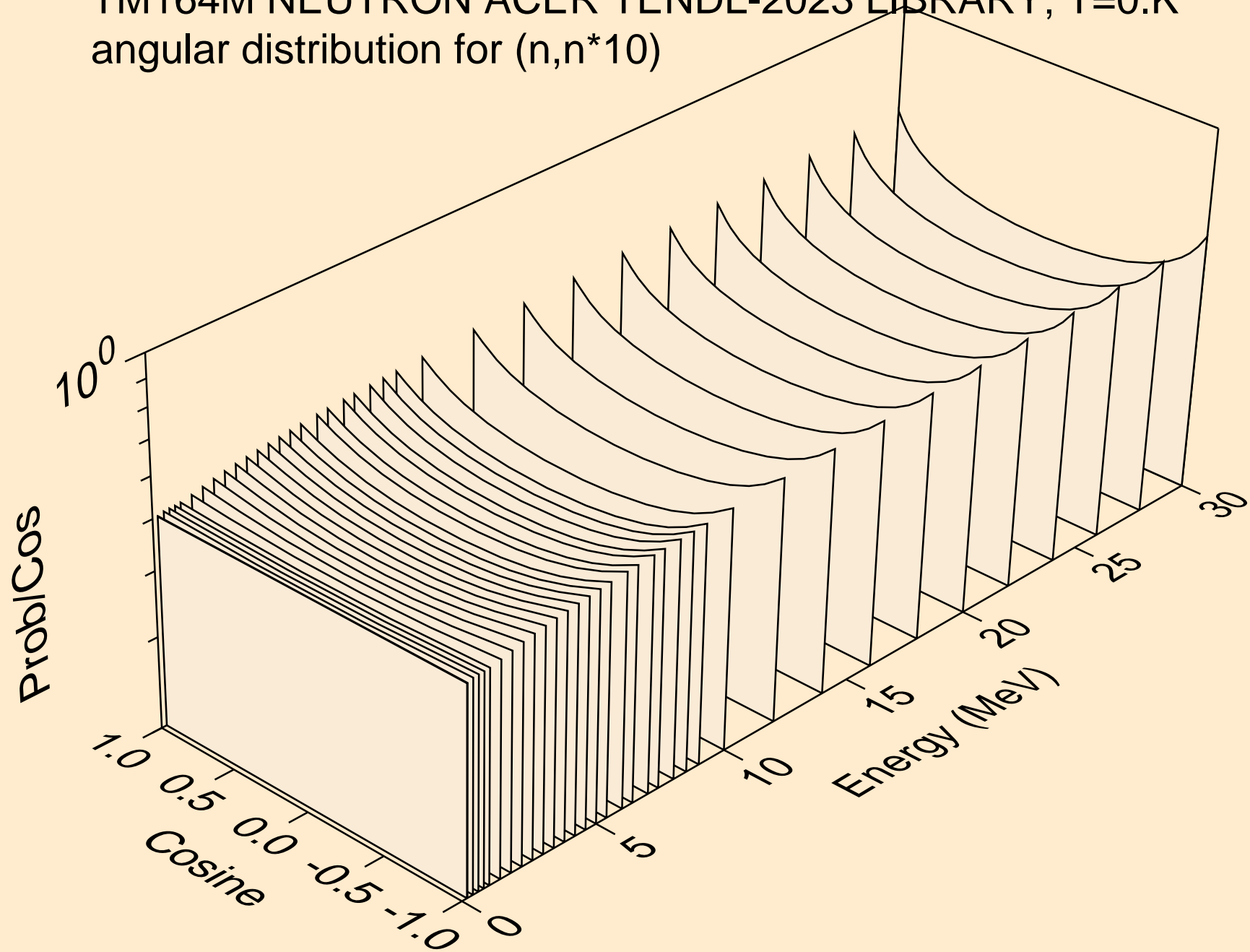
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angular distribution for (n,n\*8)



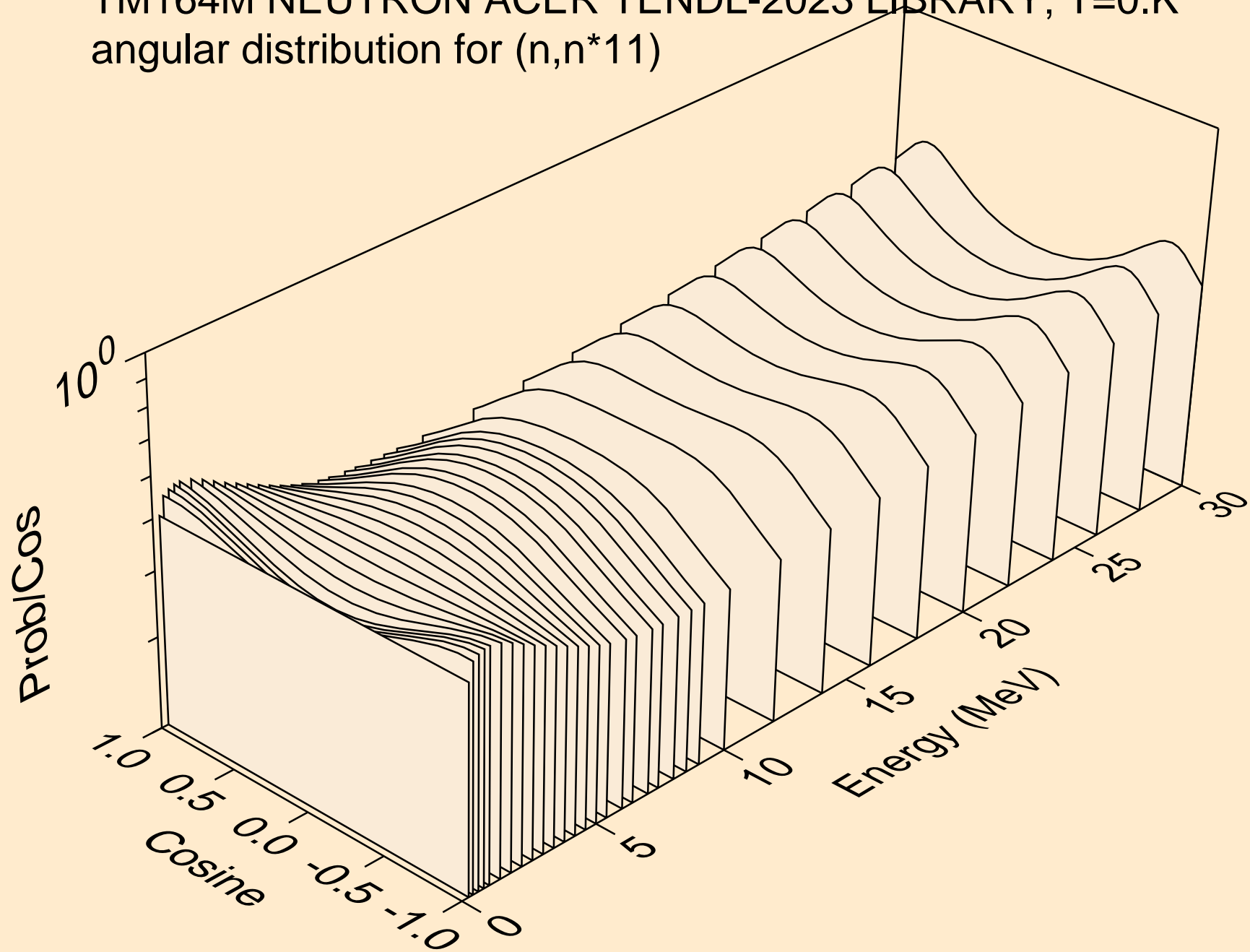
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angular distribution for (n,n\*9)



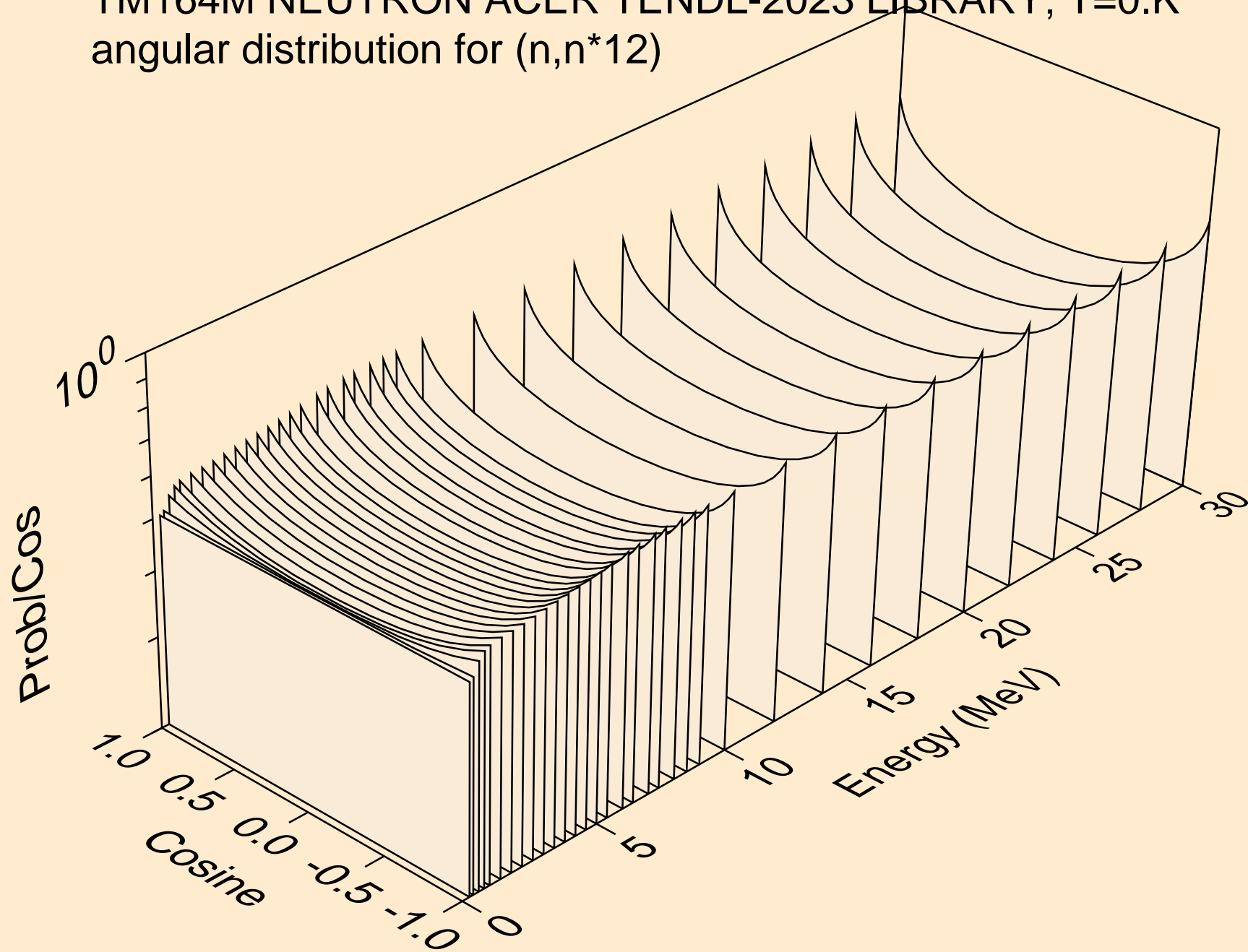
TM164M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*10)



TM164M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*11)

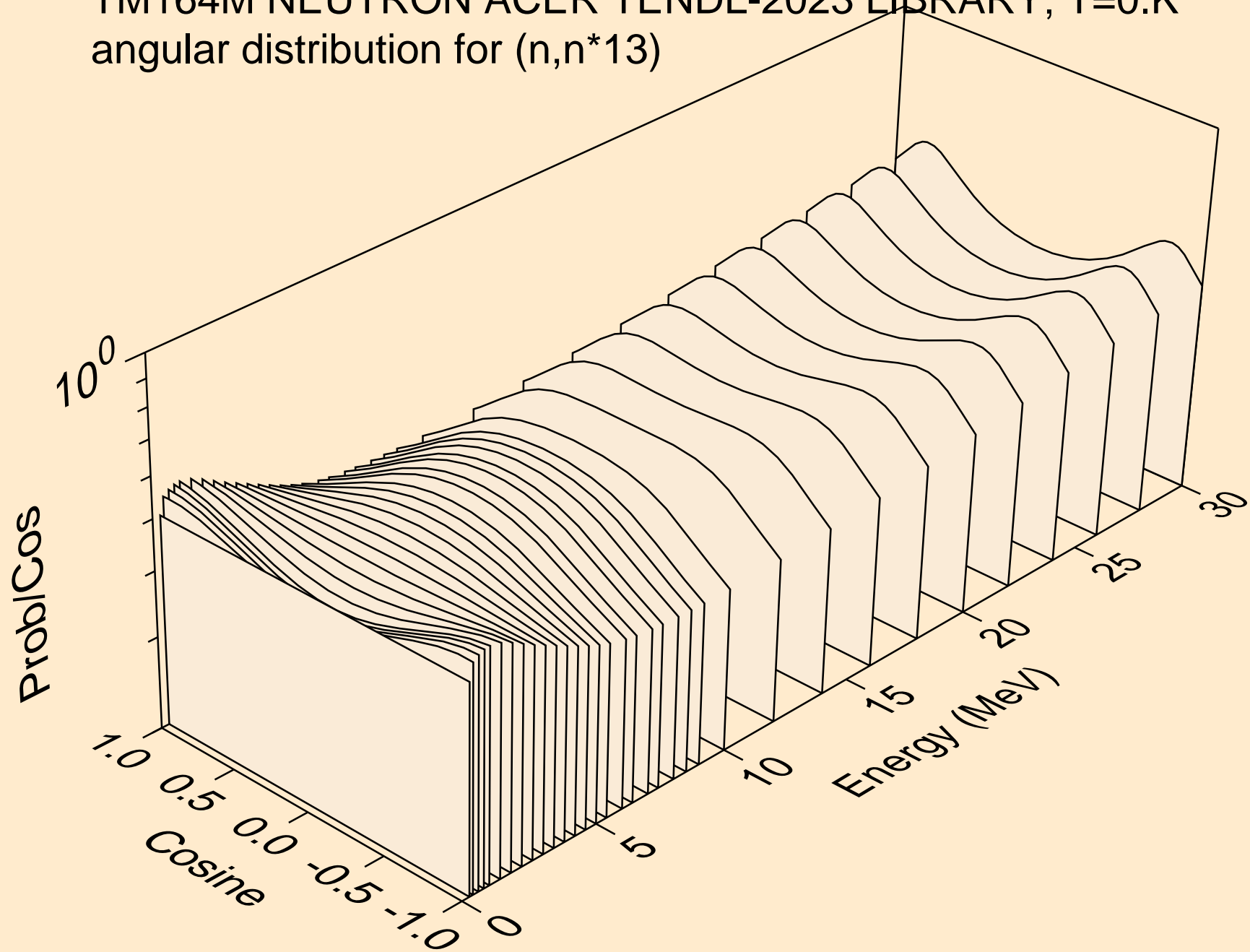


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angular distribution for (n,n\*12)

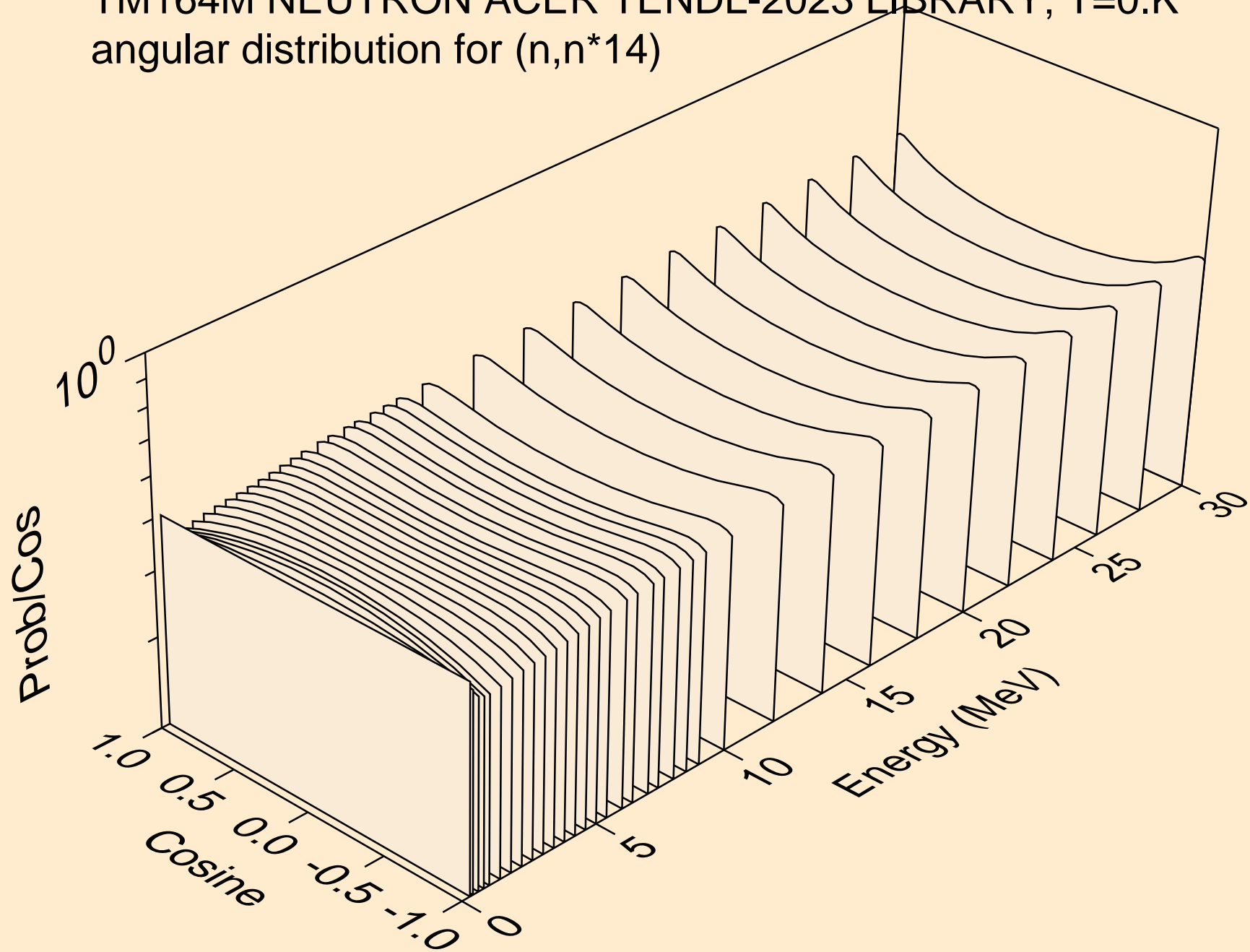




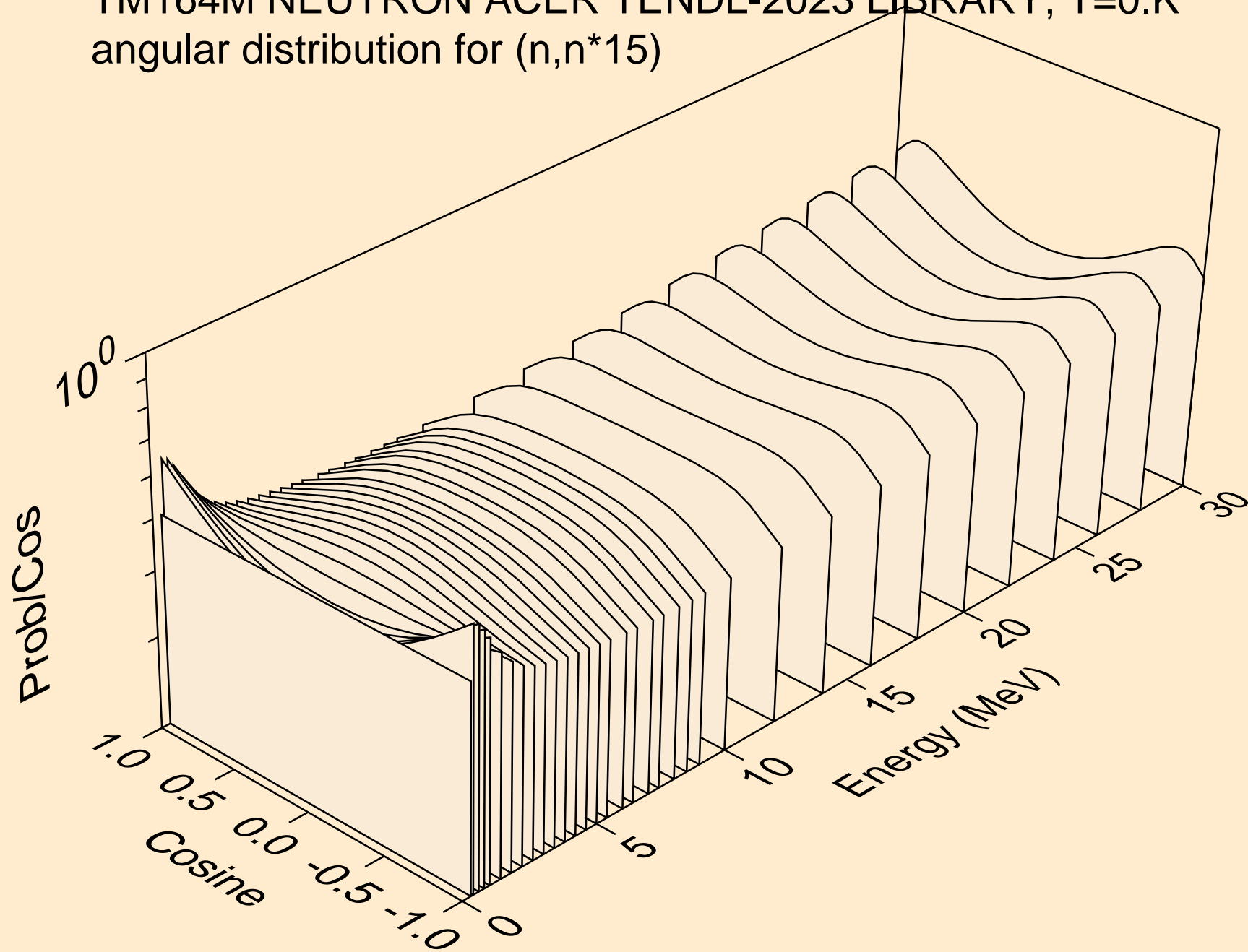
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angular distribution for (n,n\*13)



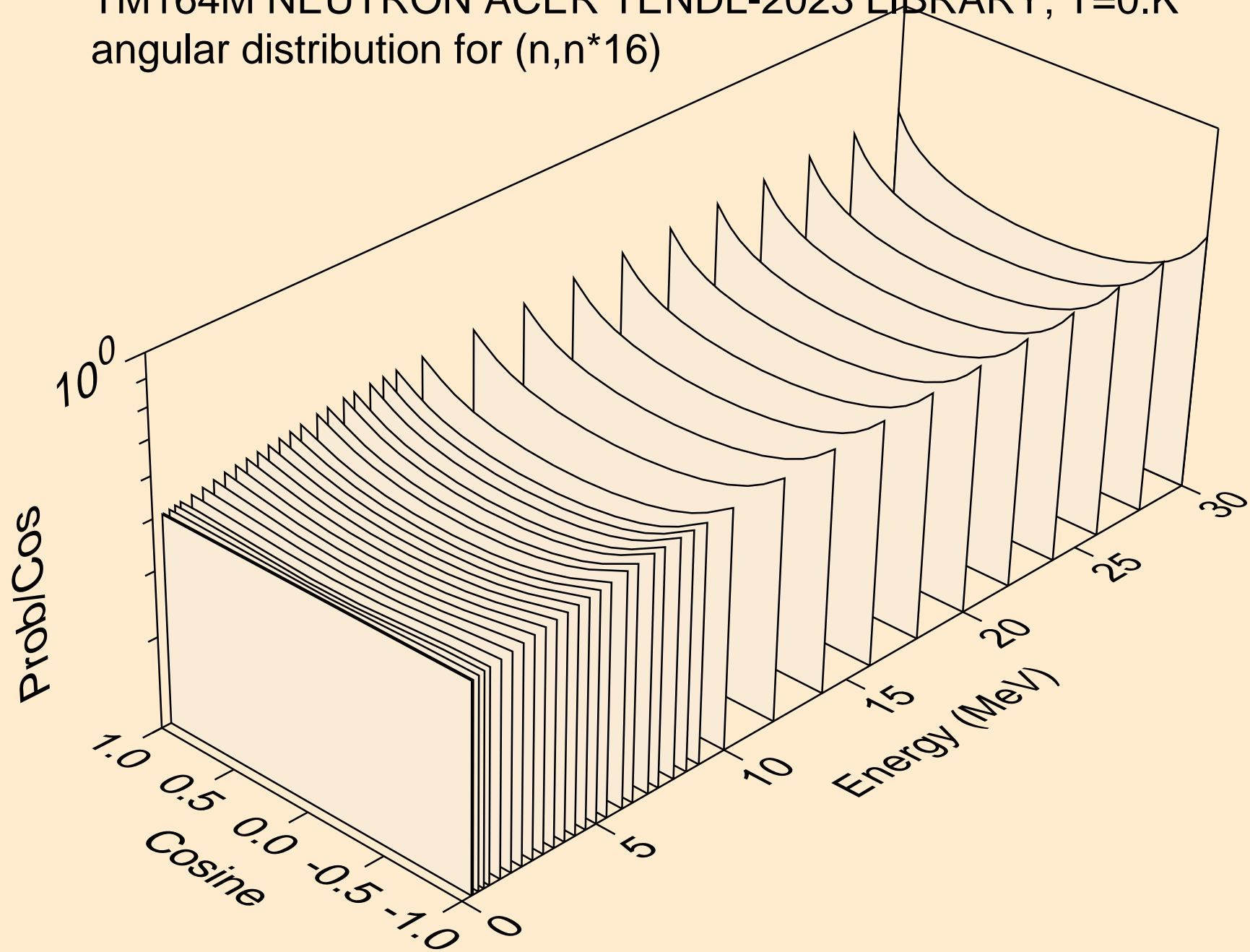
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angular distribution for (n,n\*14)



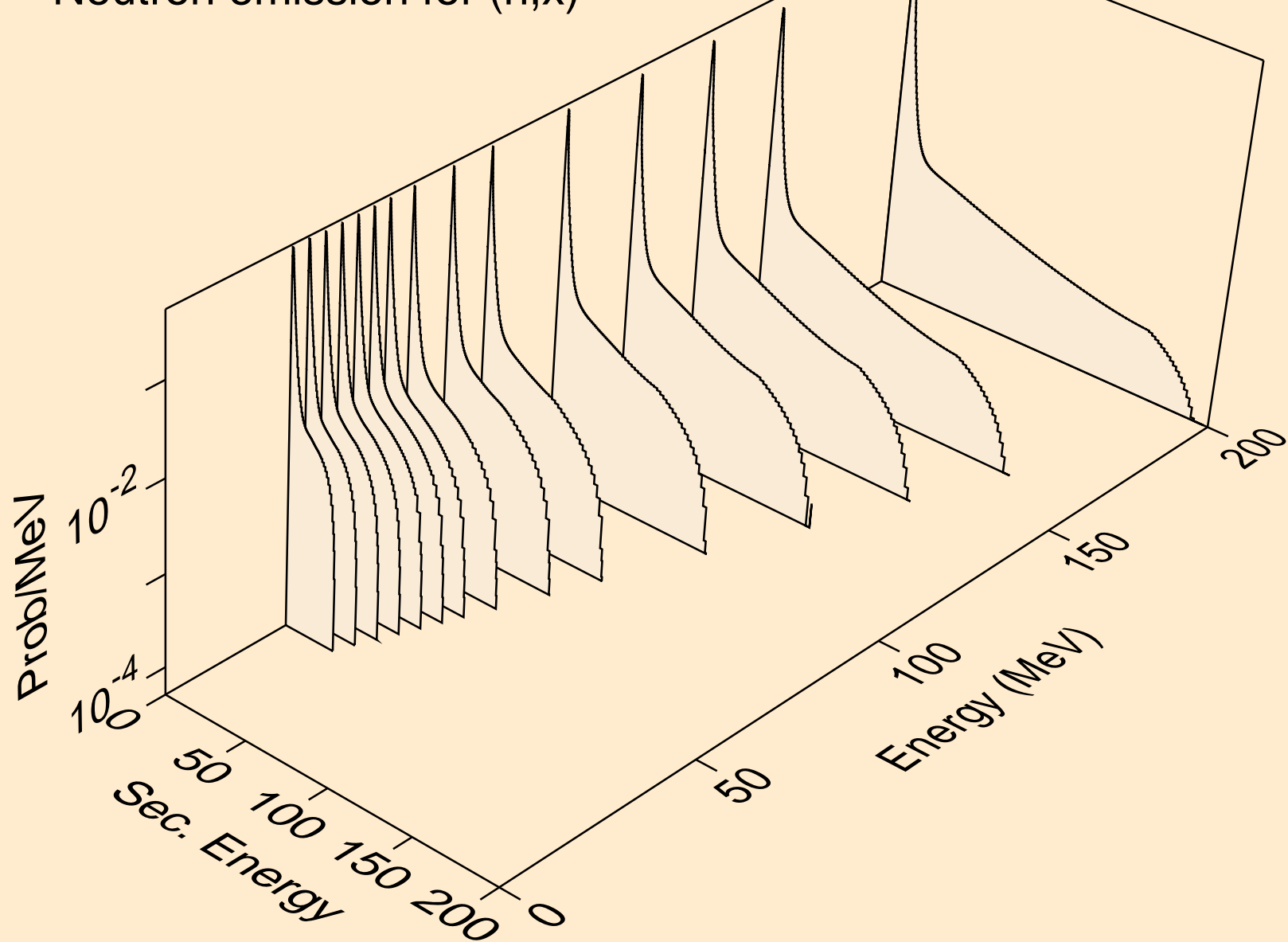
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angular distribution for (n,n\*15)



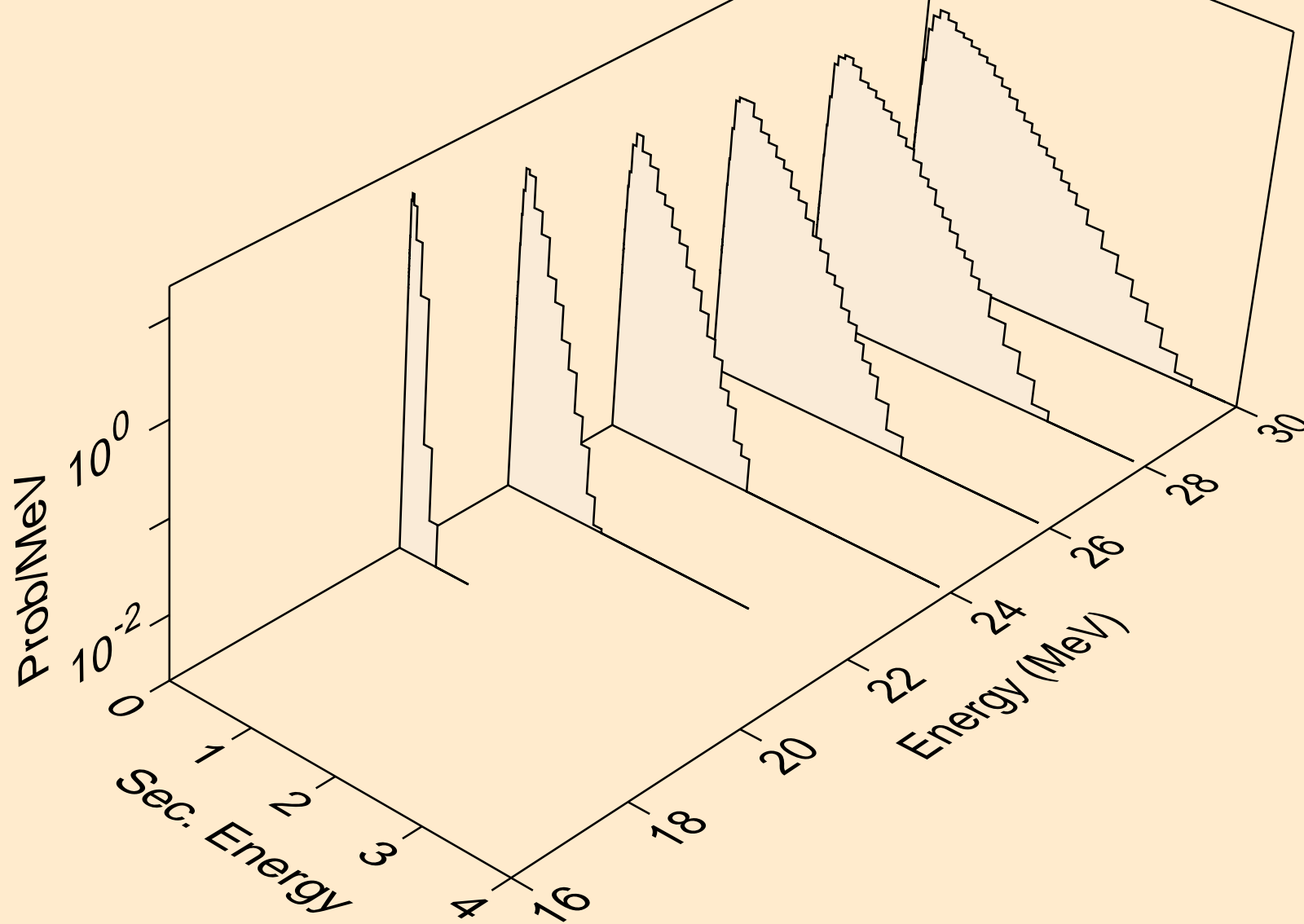
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angular distribution for (n,n\*16)



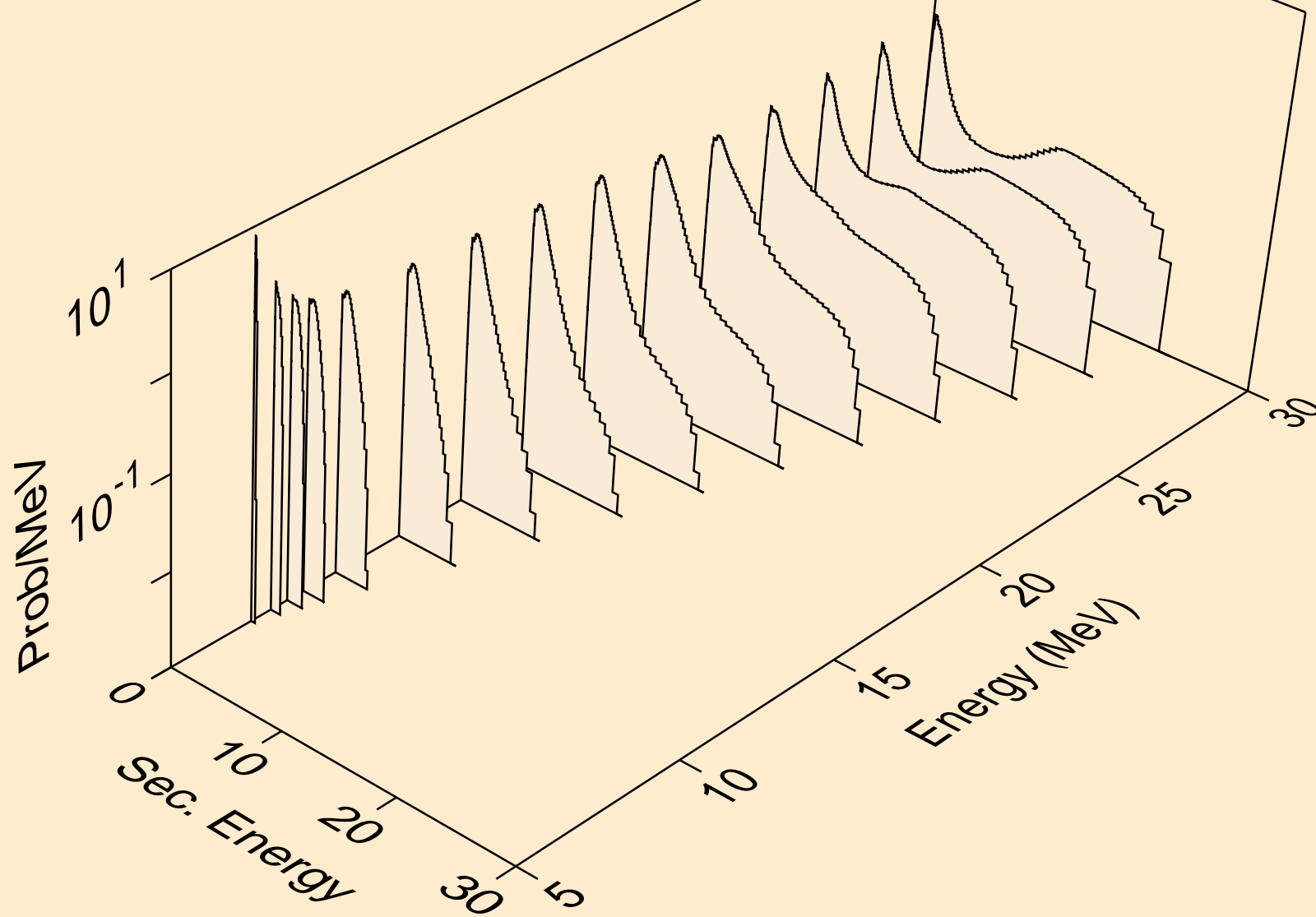
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Neutron emission for (n,x)



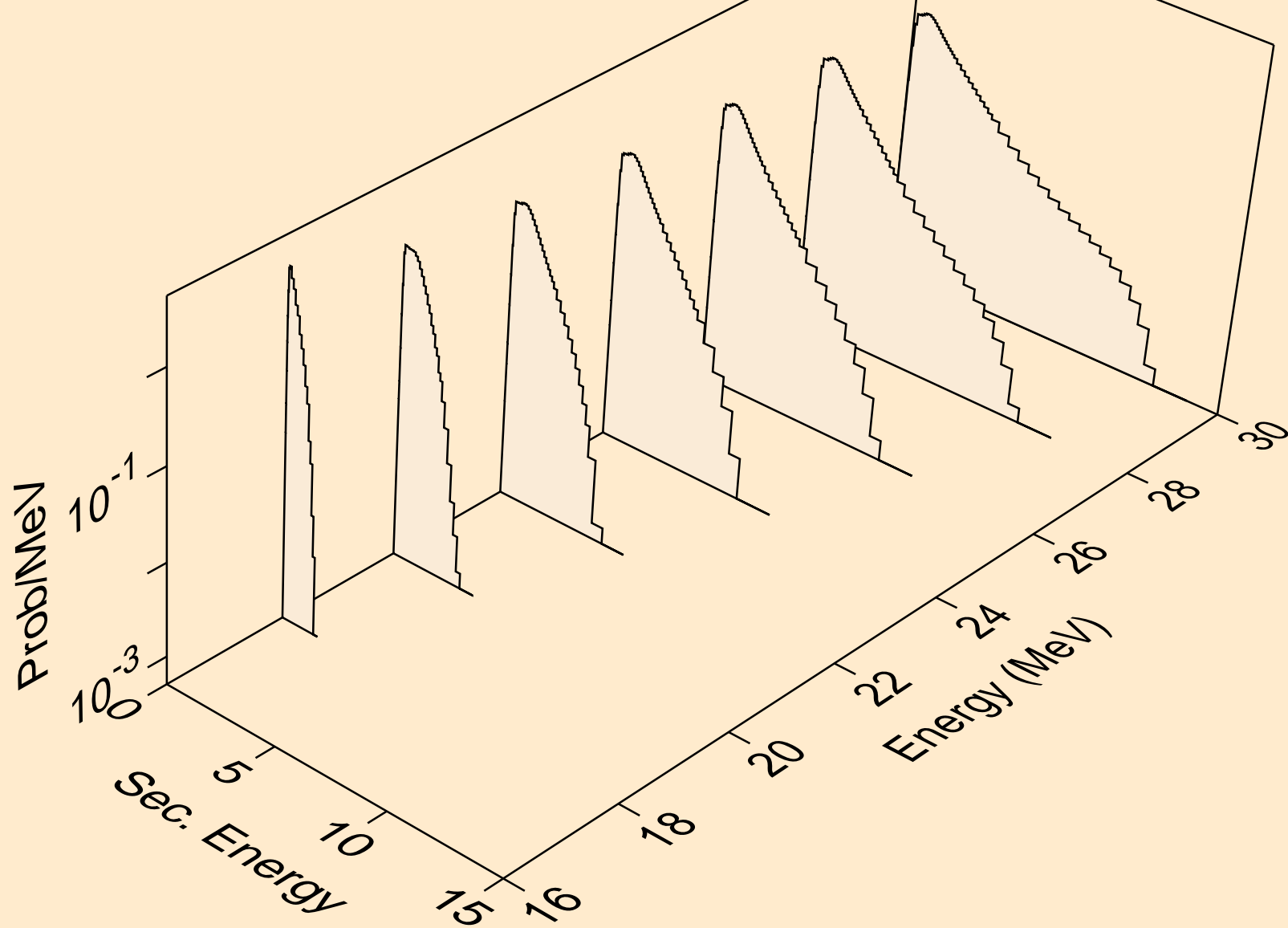
TM164M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



TM164M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)

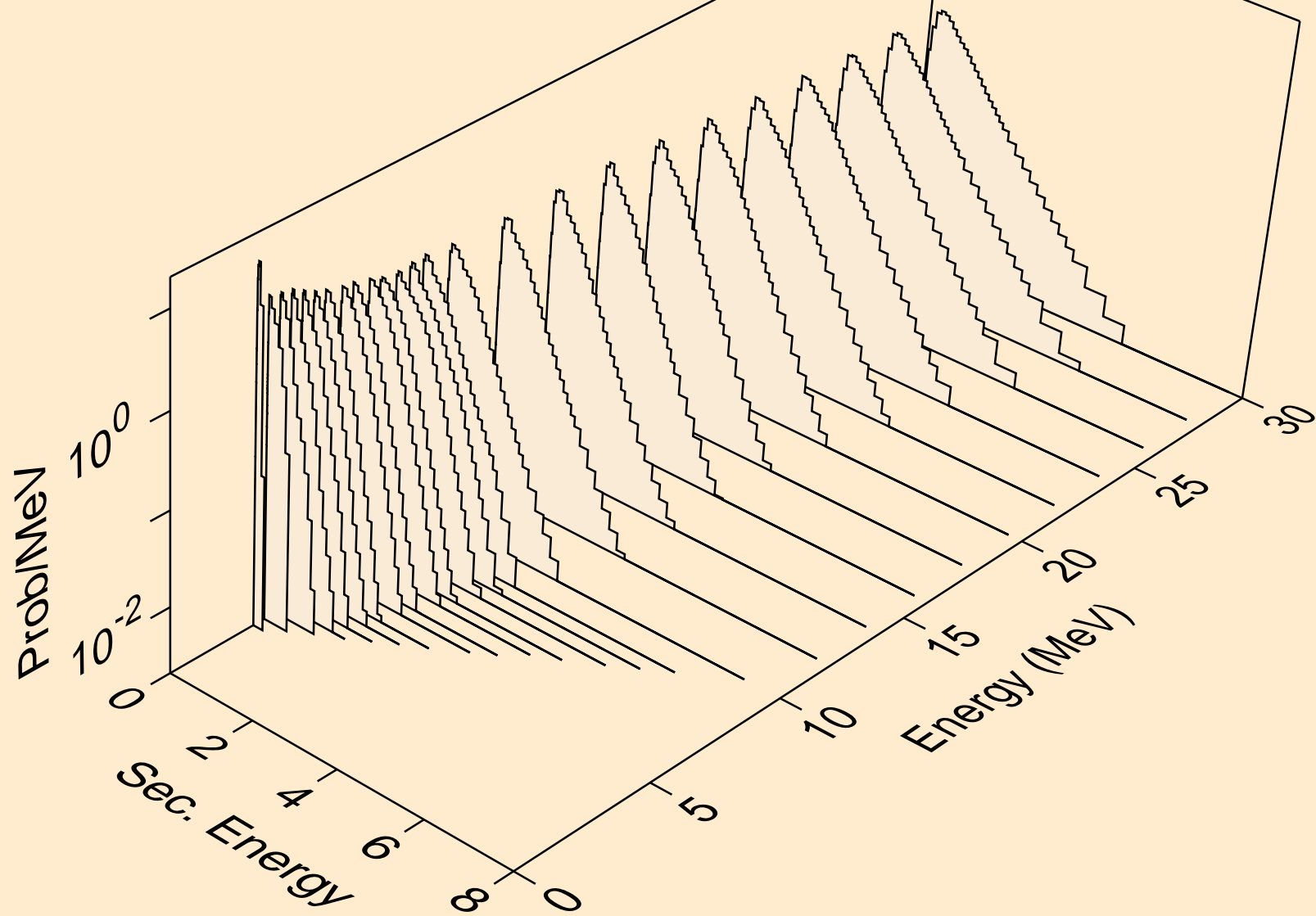


TM164M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)

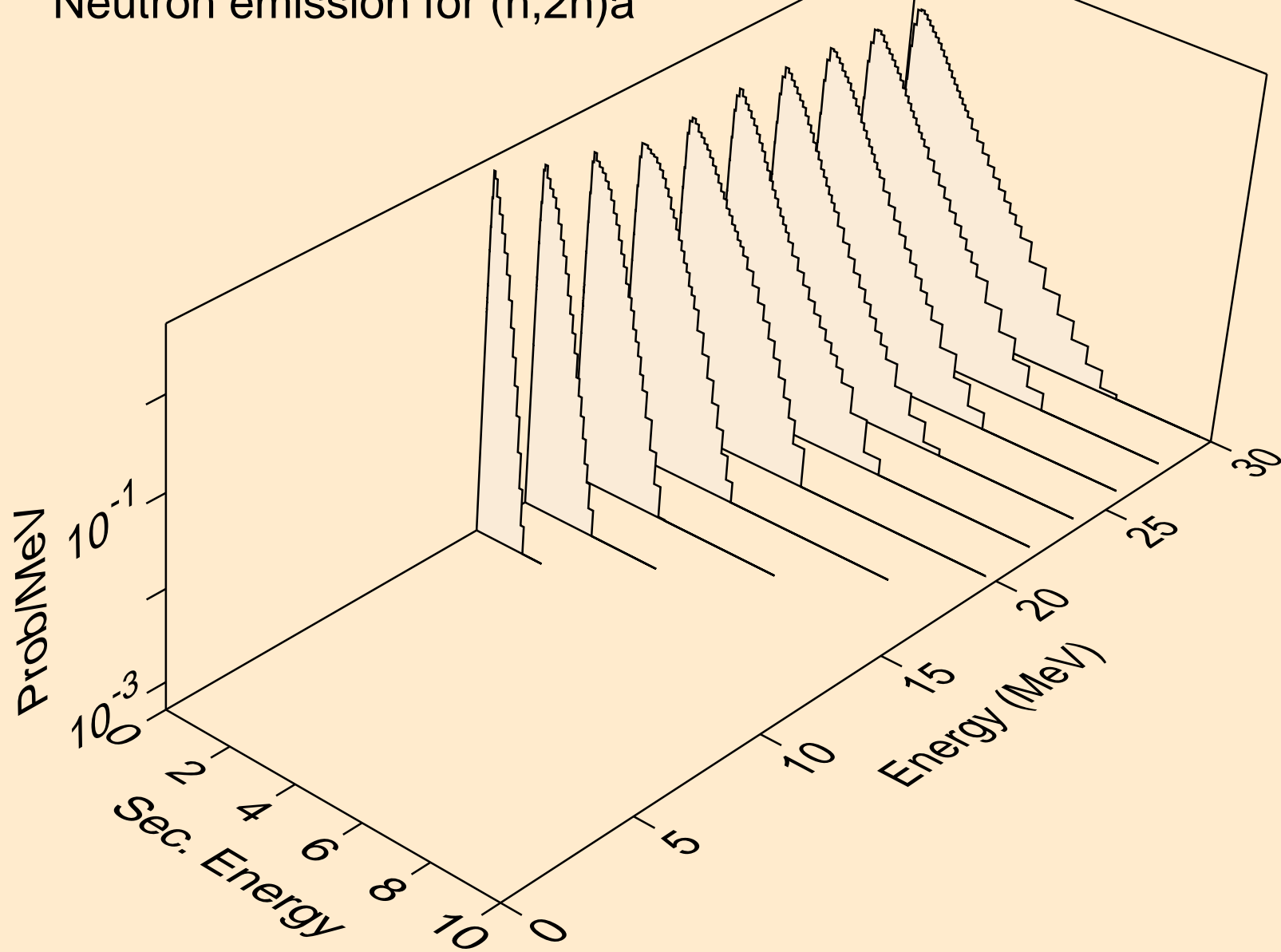




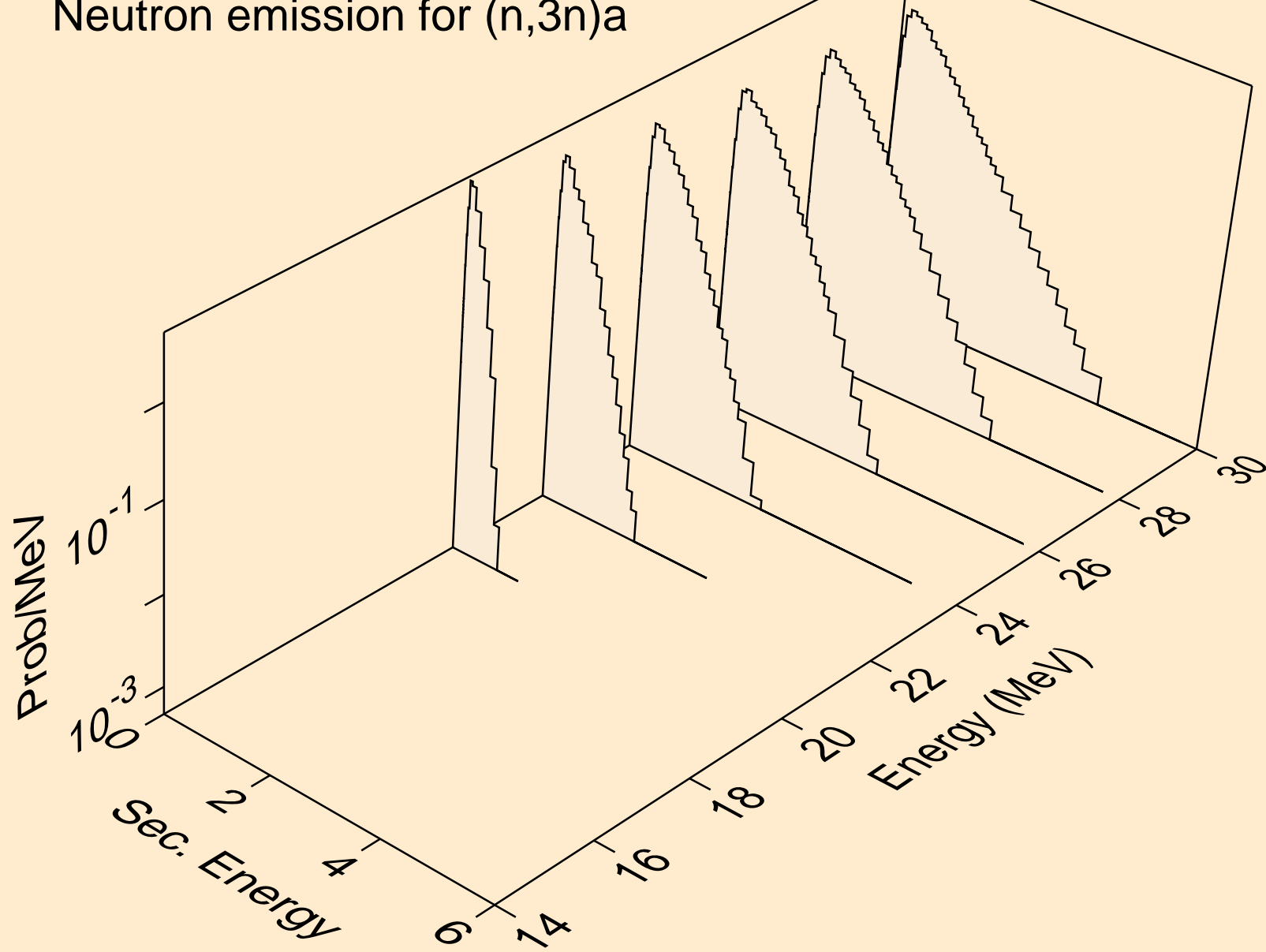
TM164M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



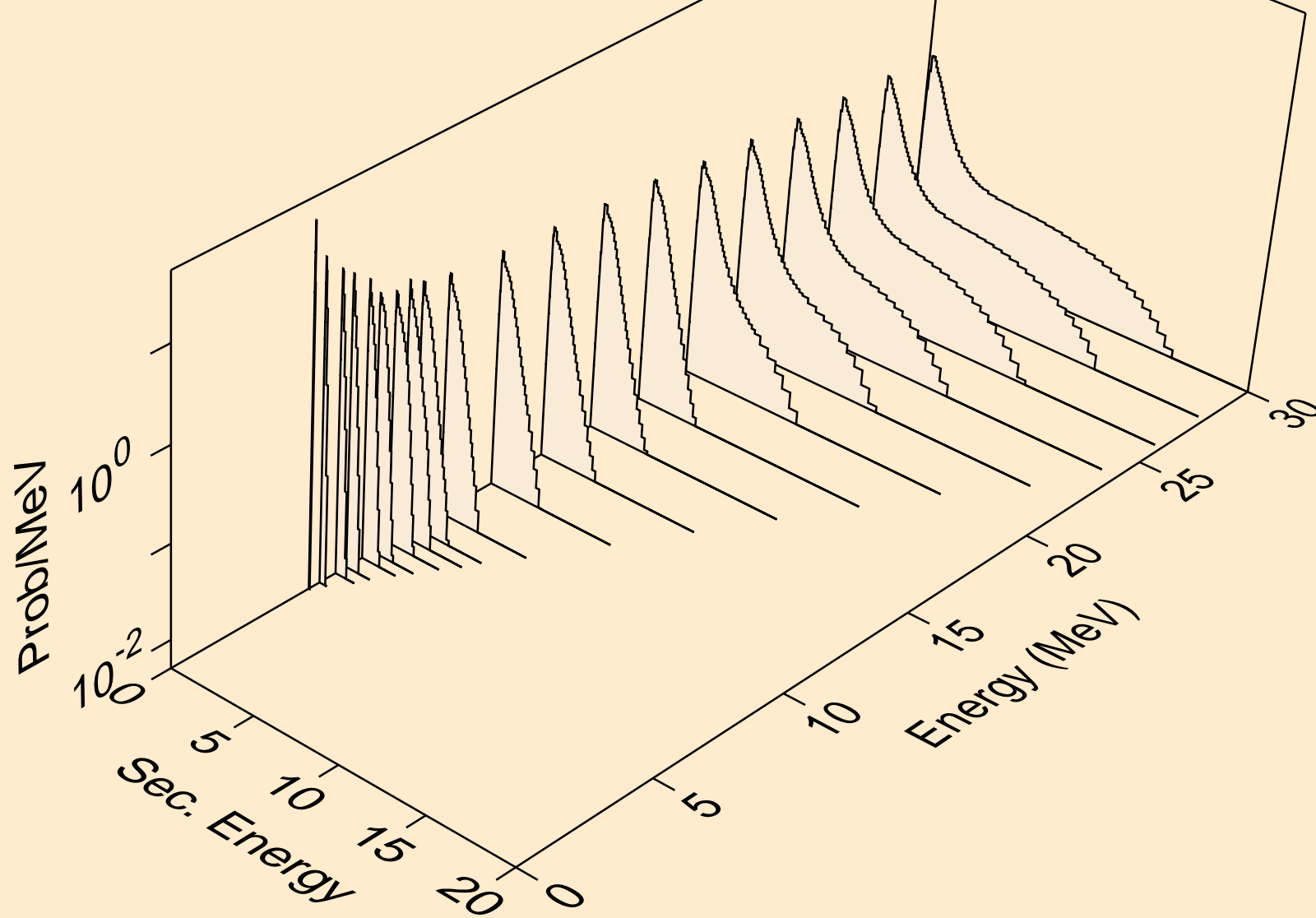
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Neutron emission for (n,2n)a



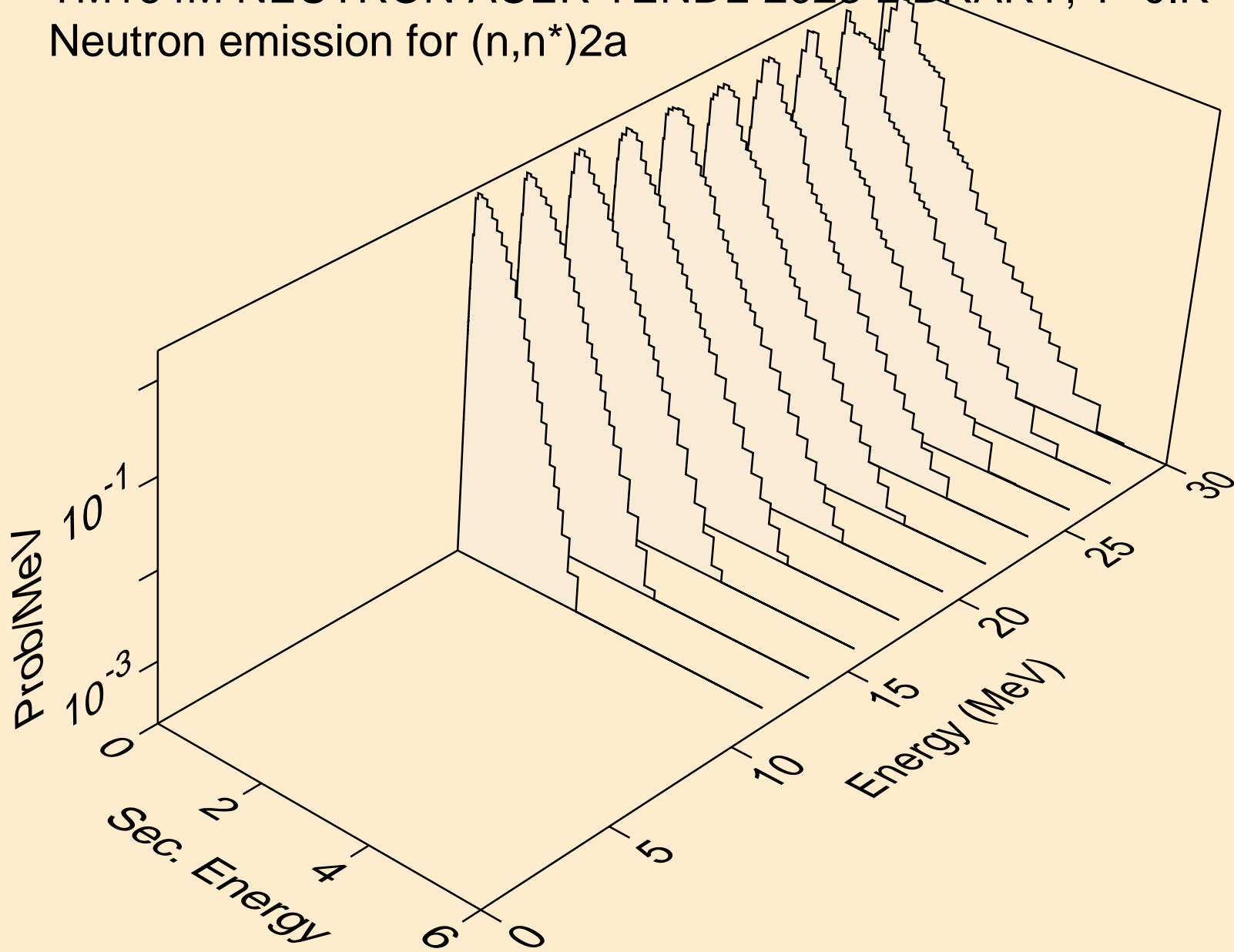
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Neutron emission for (n,3n)a



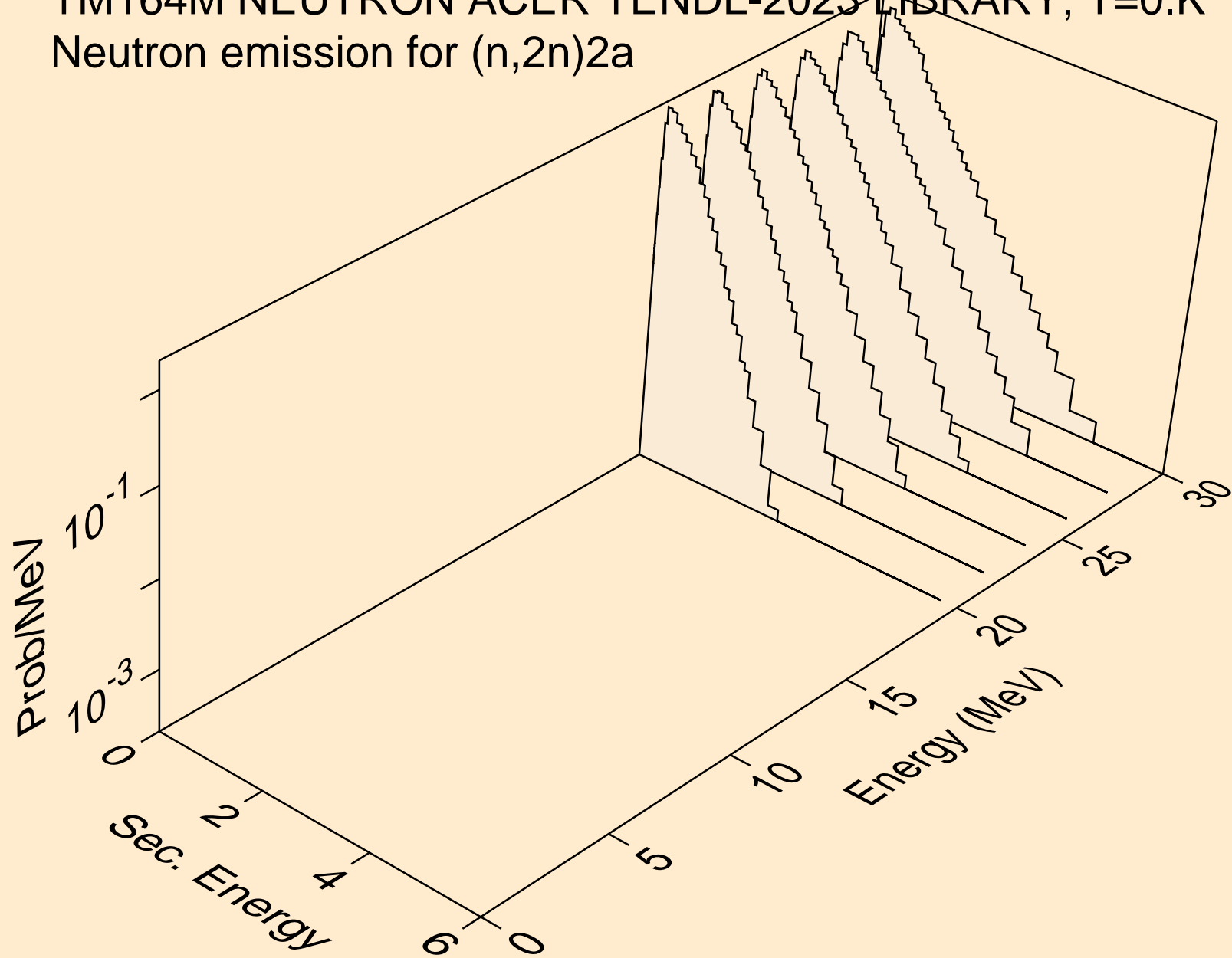
TM164M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



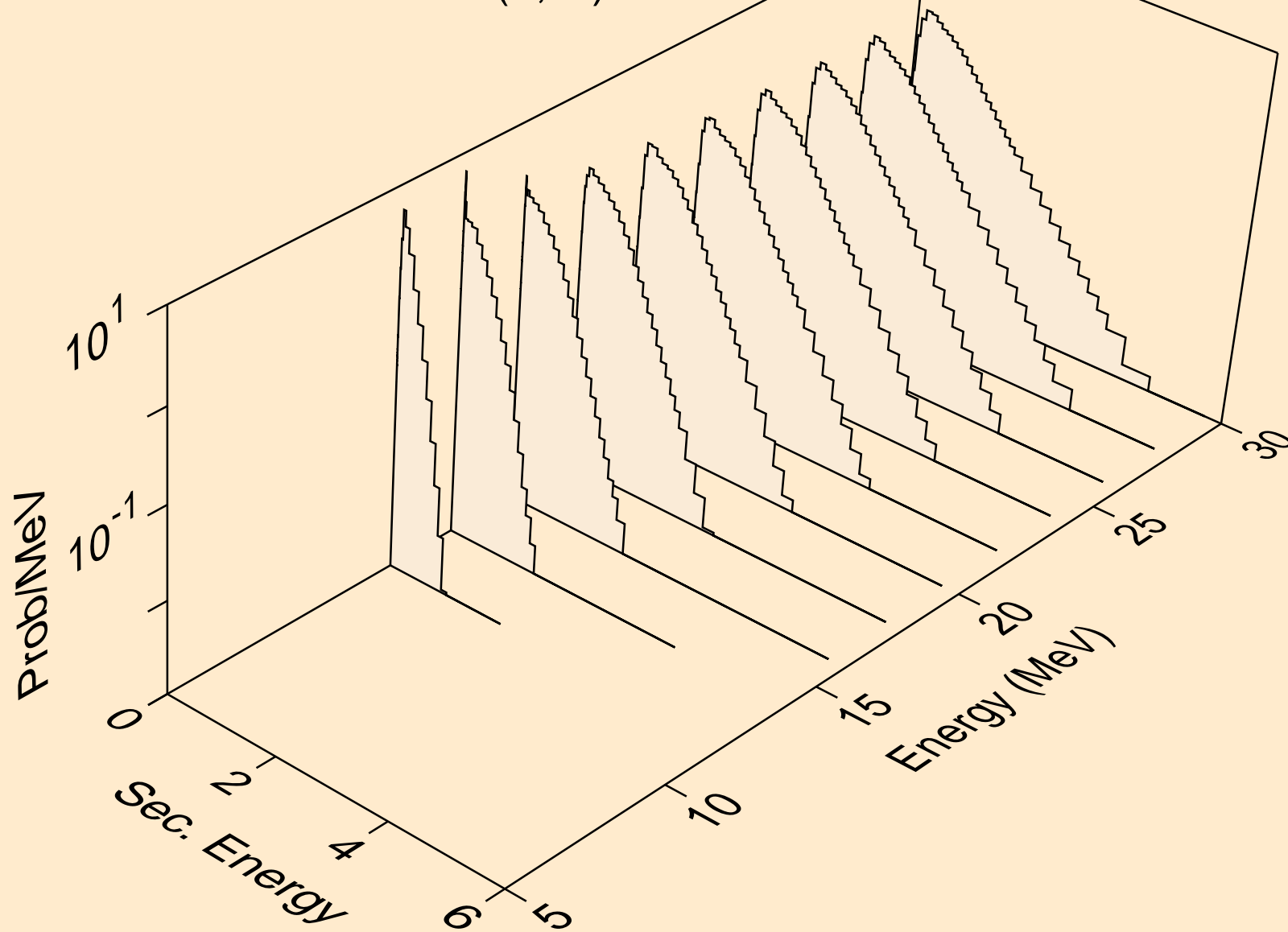
TM164M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)2a



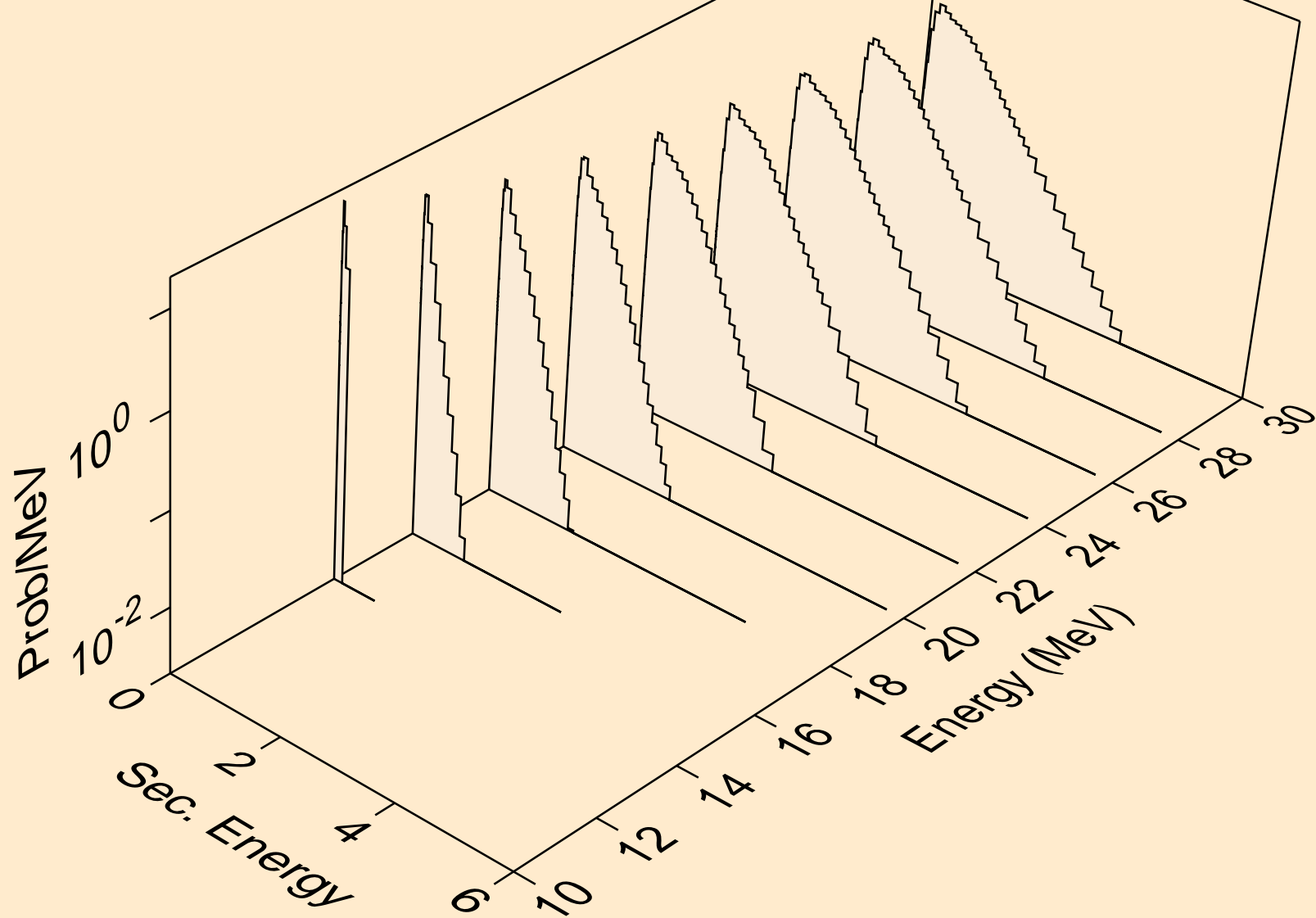
TM164M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)2a



TM164M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d

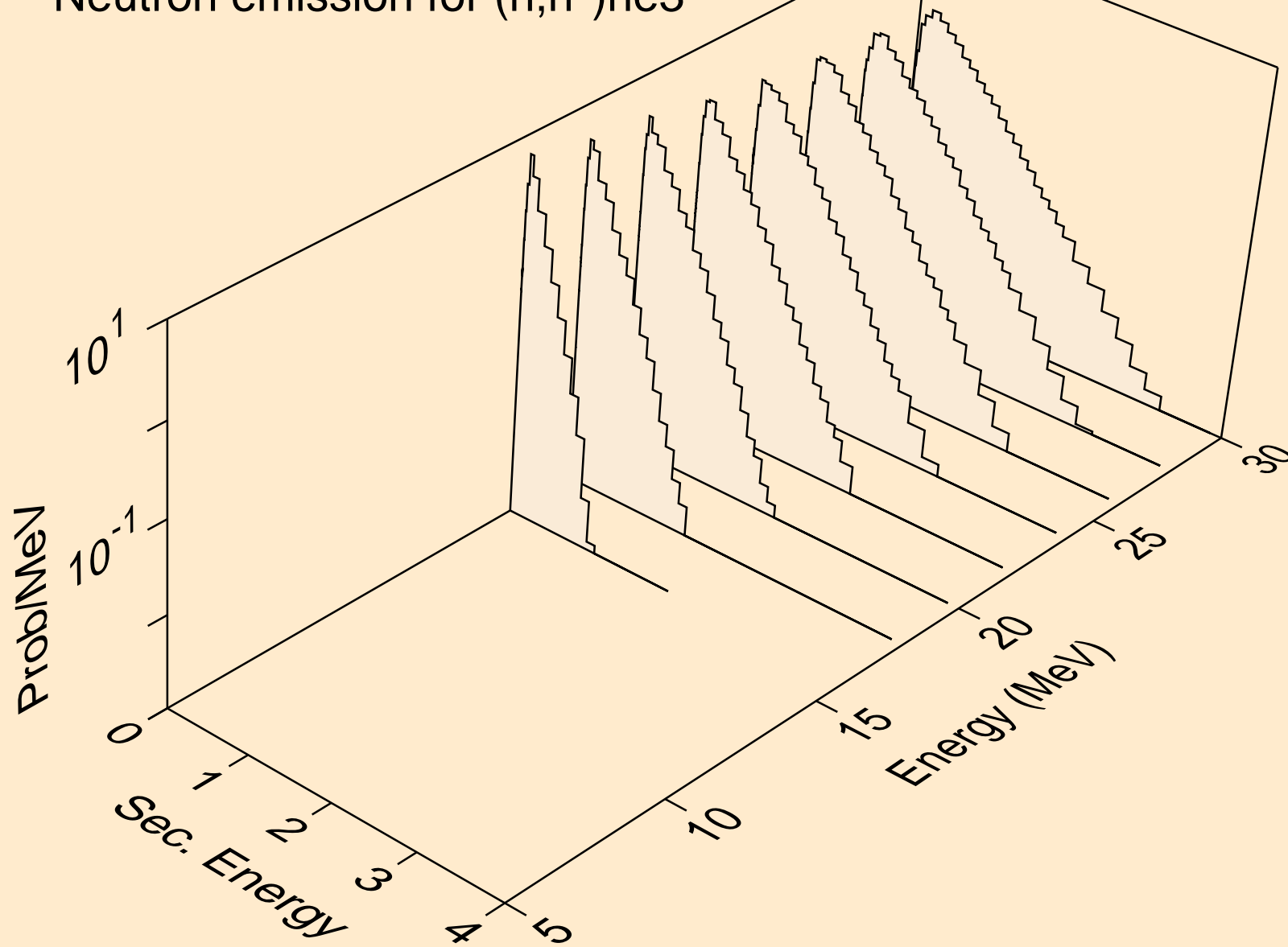


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Neutron emission for (n,n\*)t

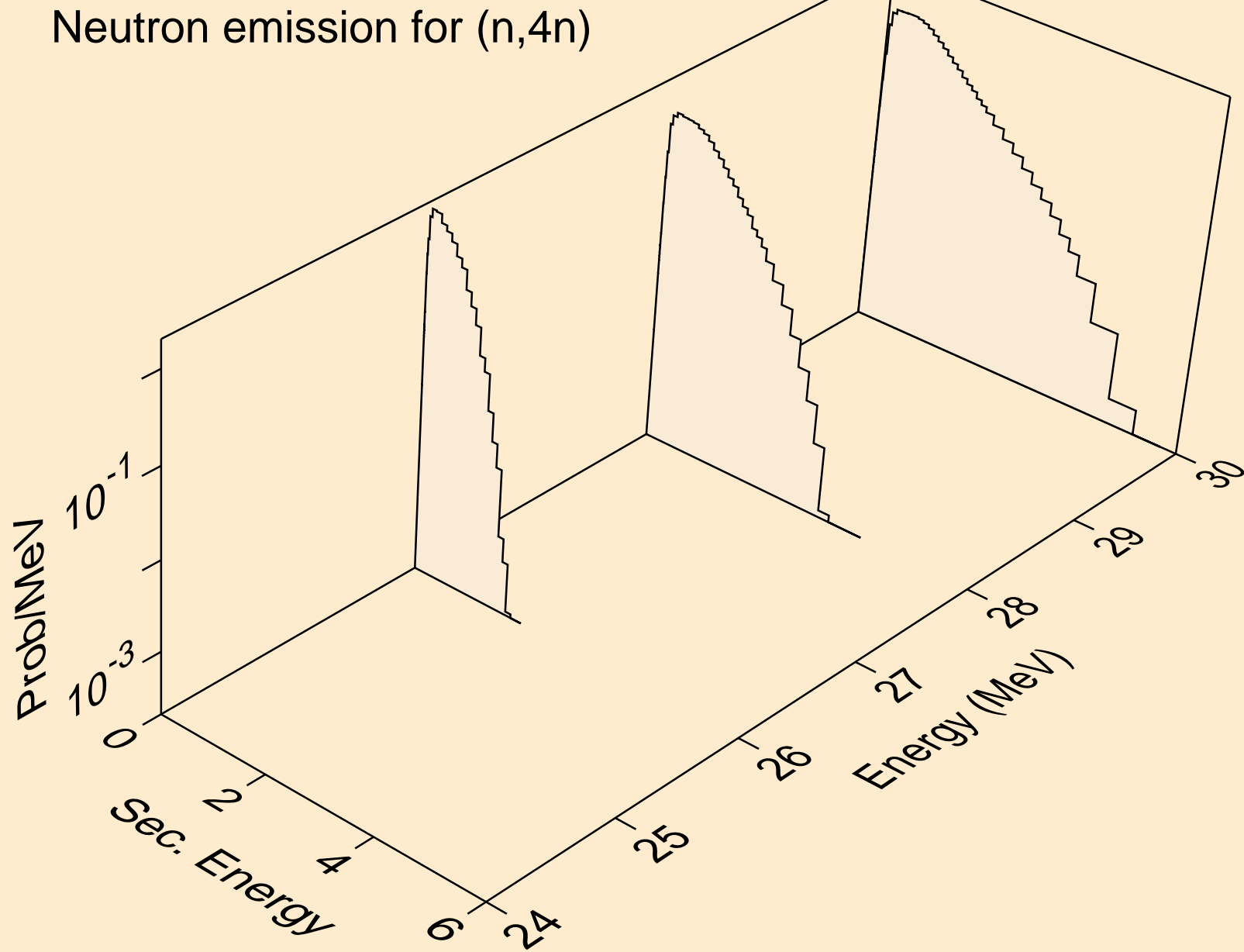




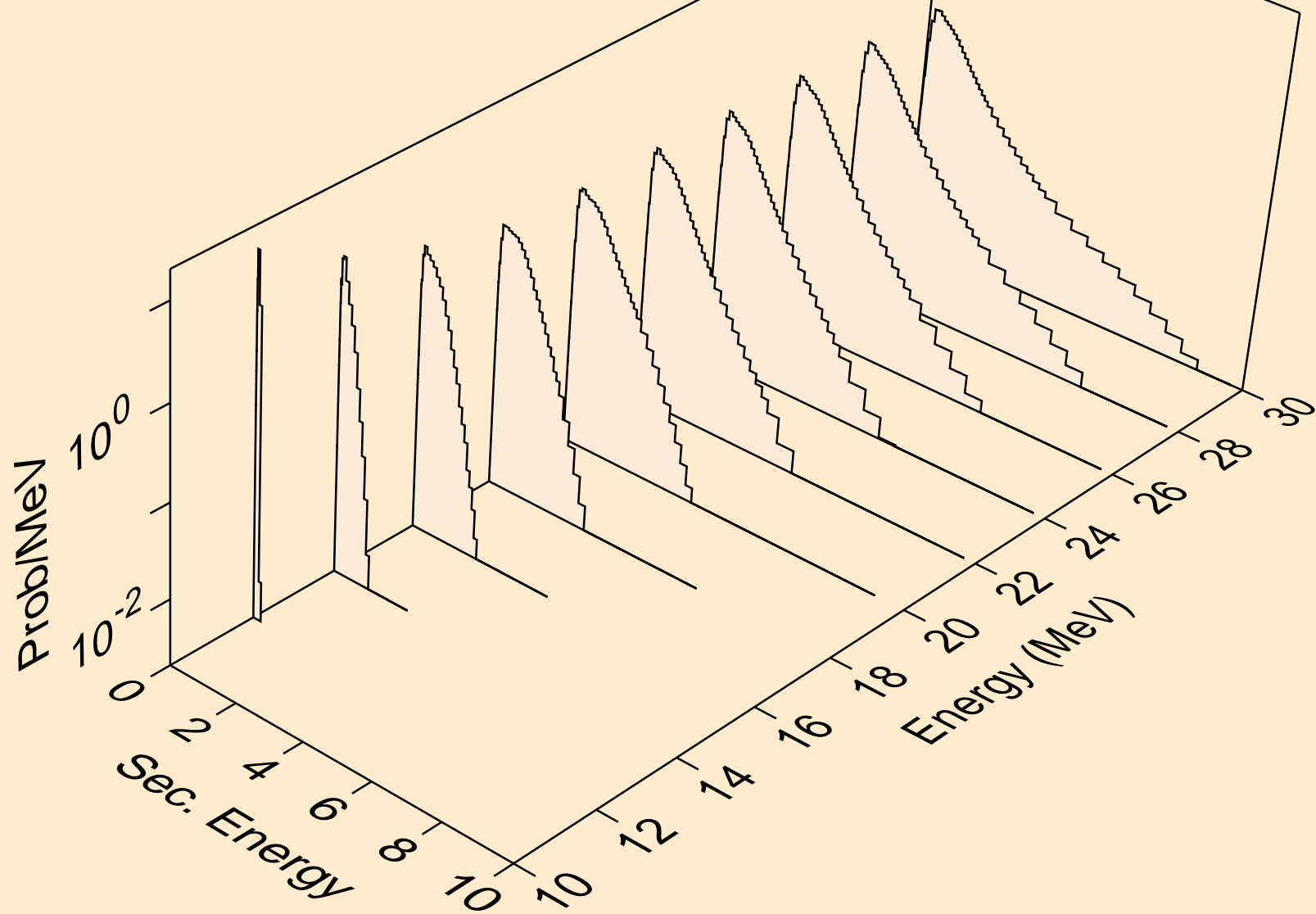
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Neutron emission for (n,n\*)he3



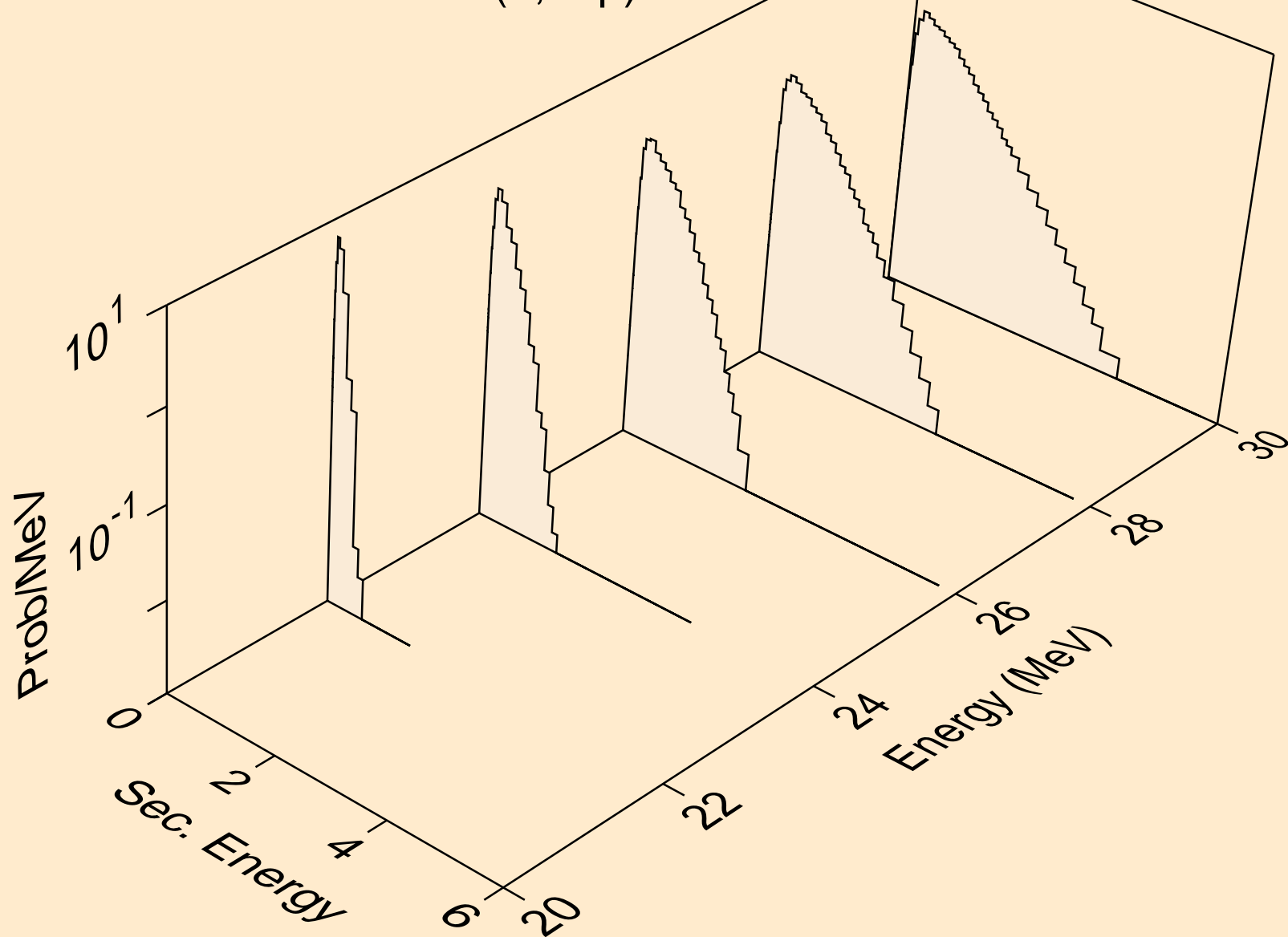
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Neutron emission for (n,4n)



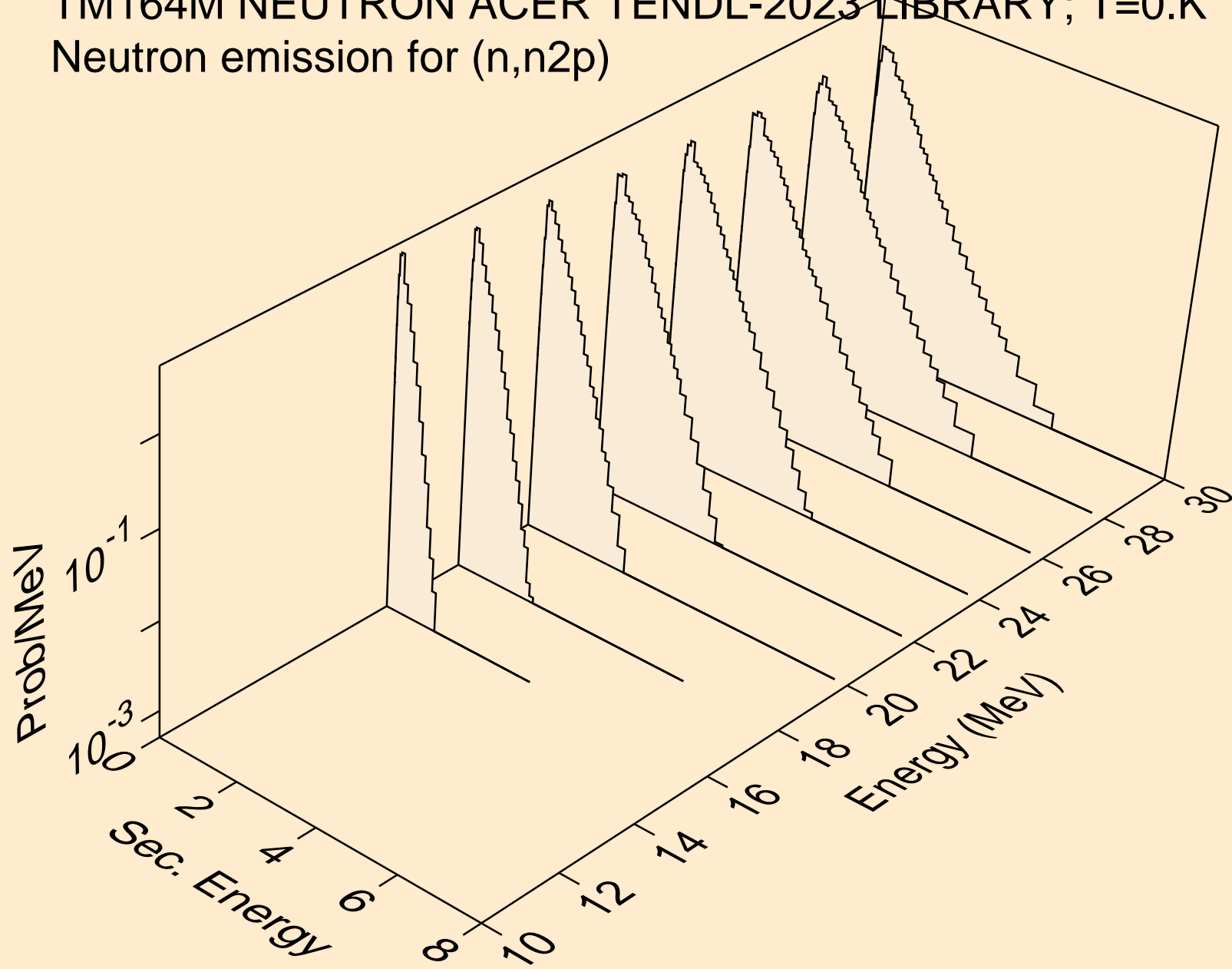
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Neutron emission for (n,2np)



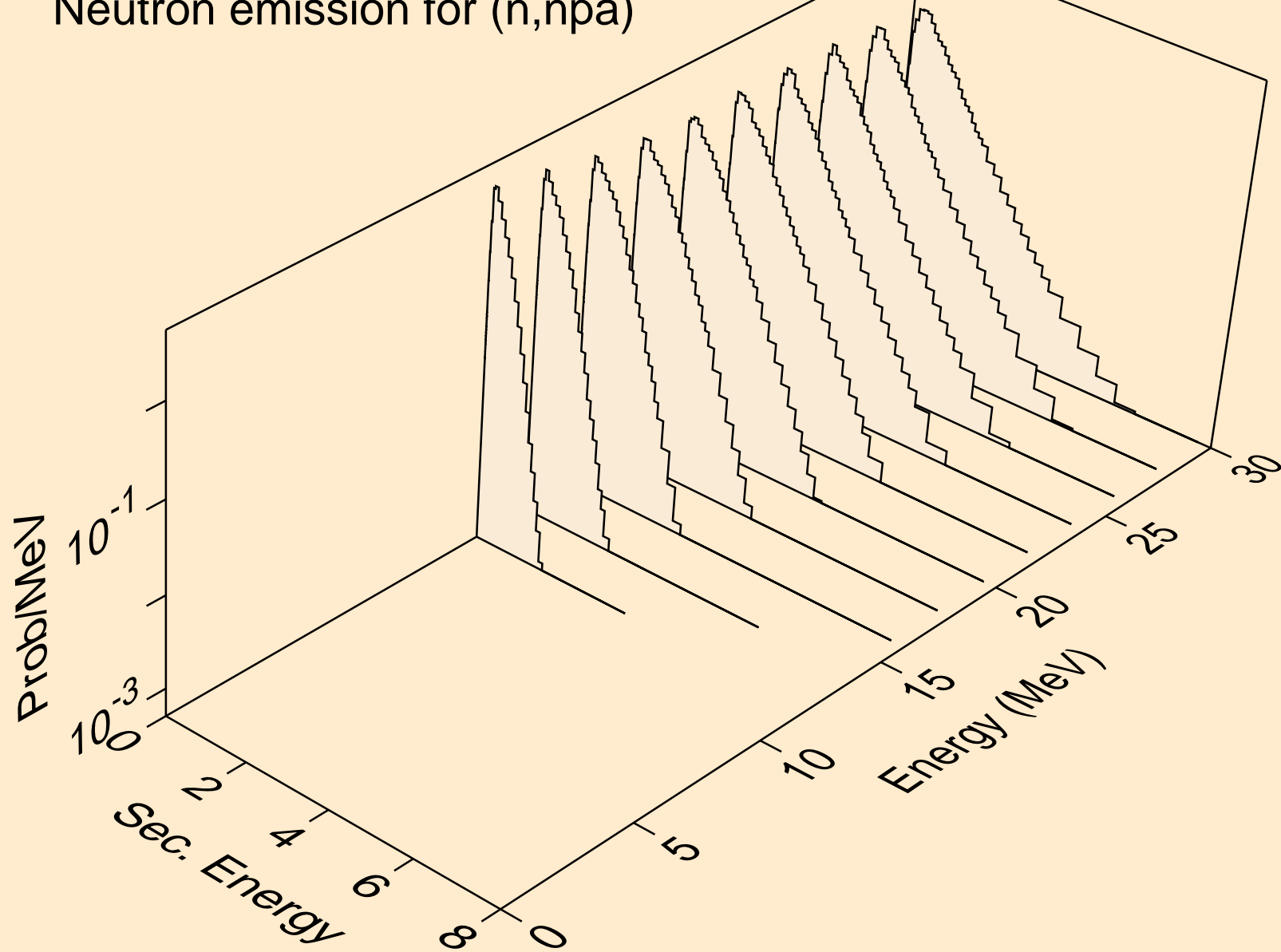
TM164M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3np)



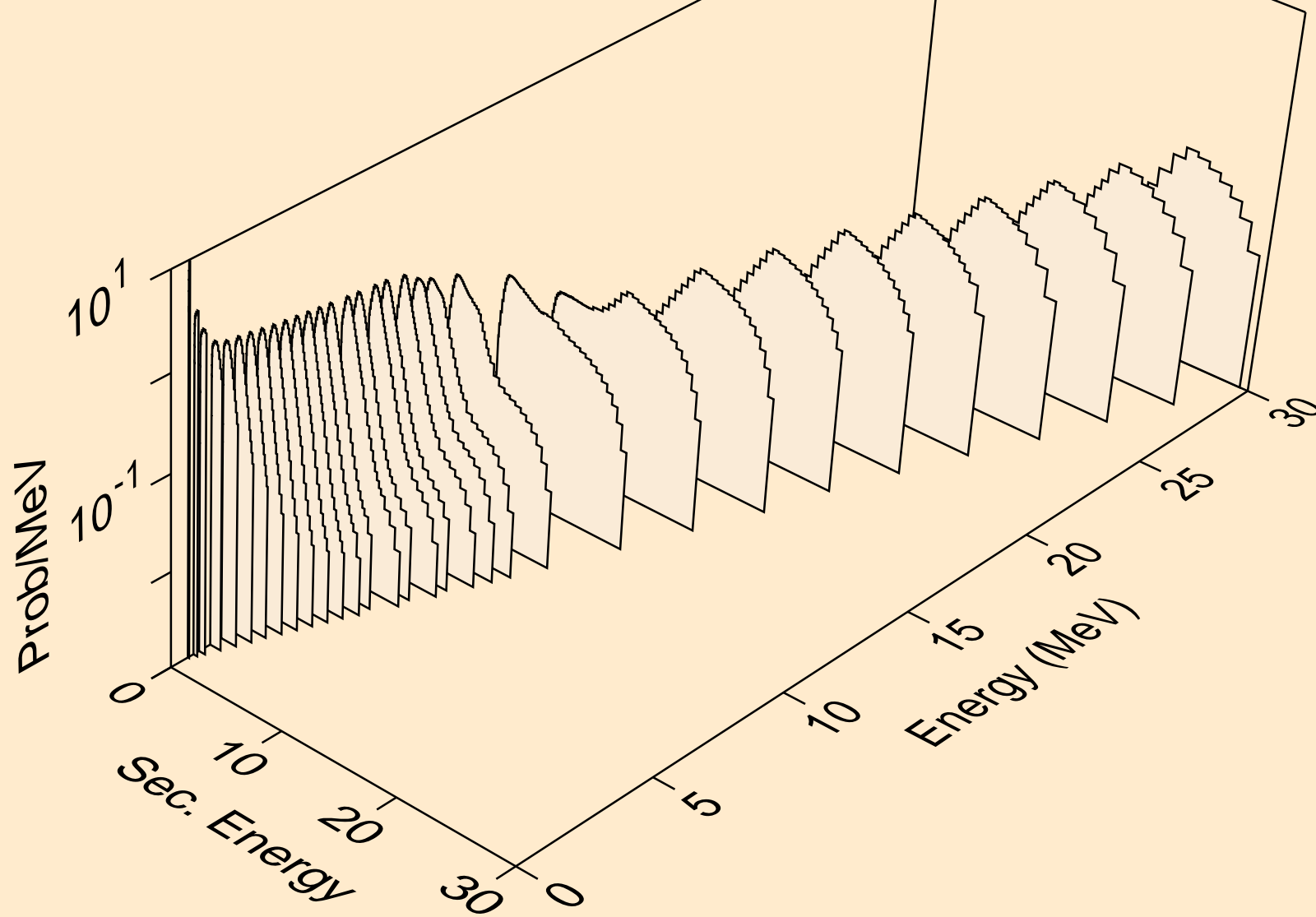
TM164M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n2p)



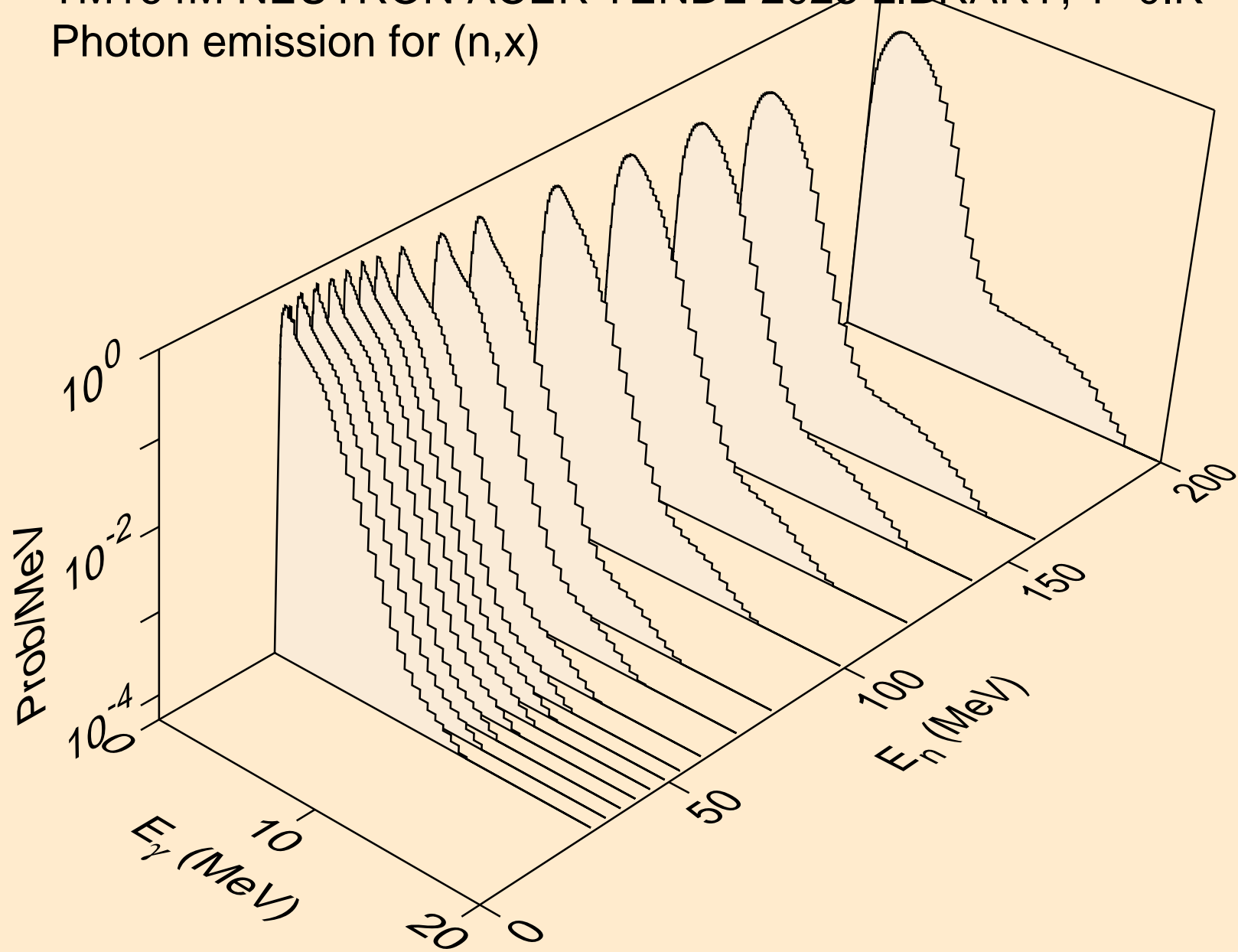
TM164M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,npa)



TM164M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)

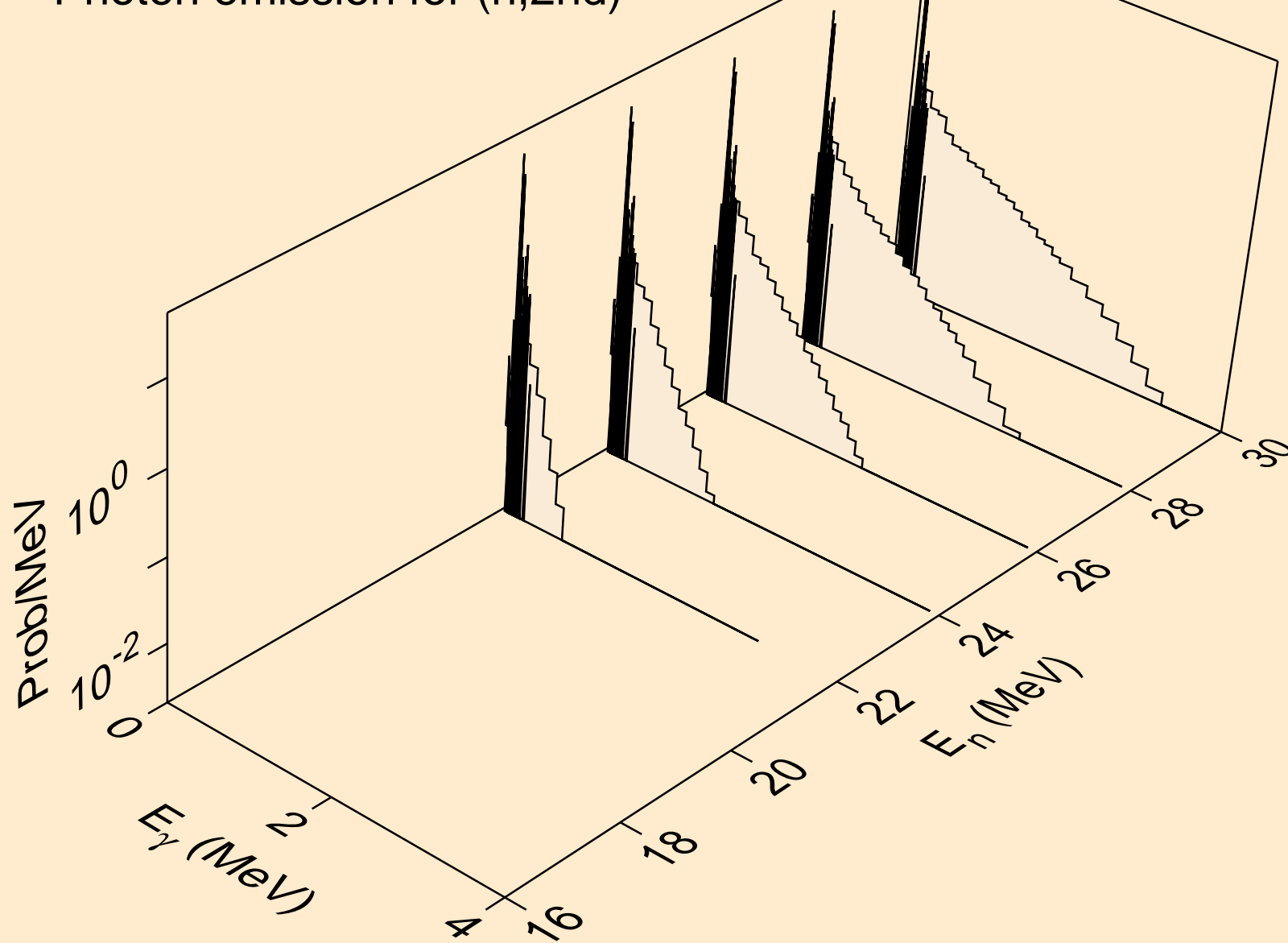


TM164M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,x)

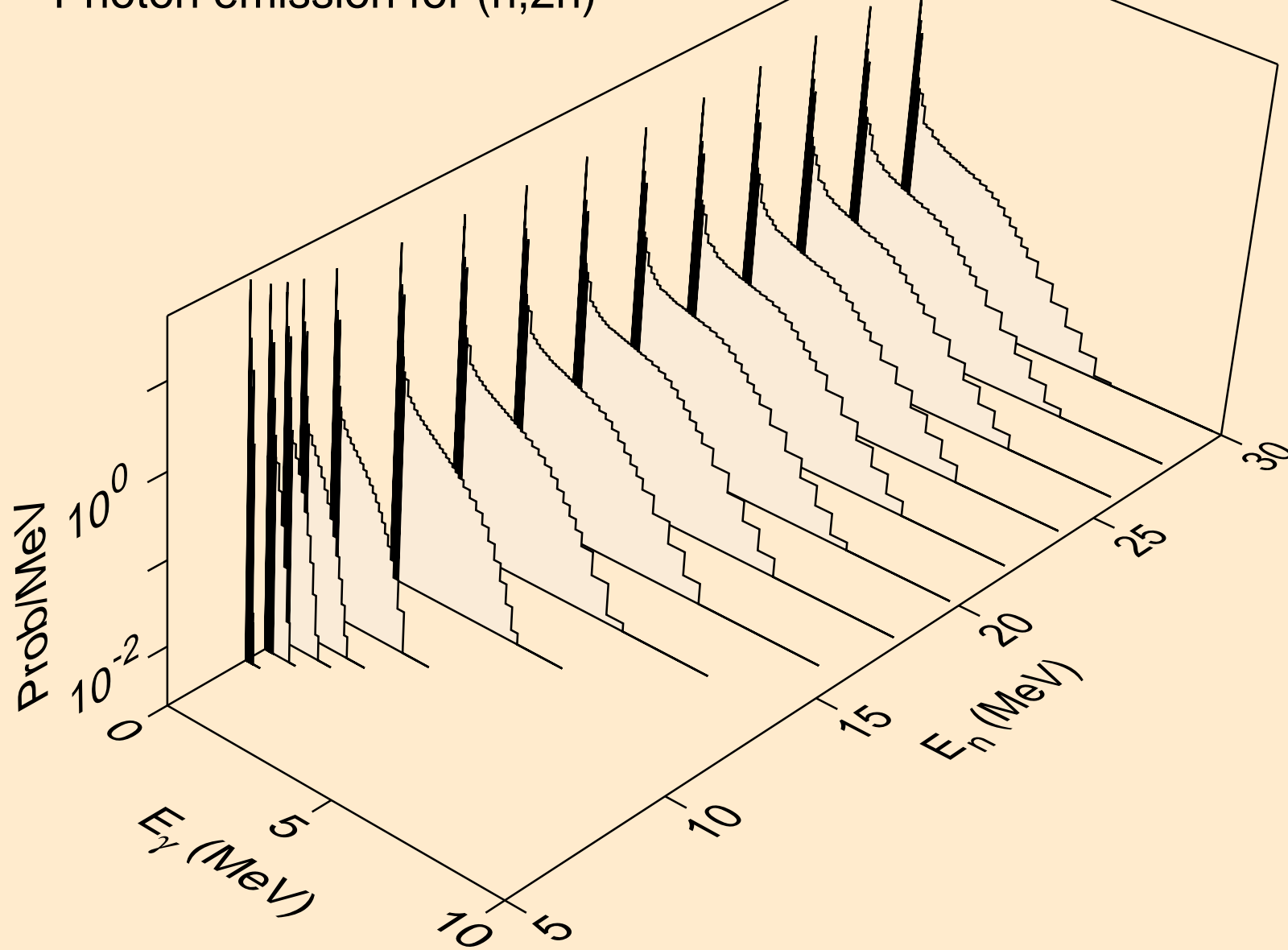




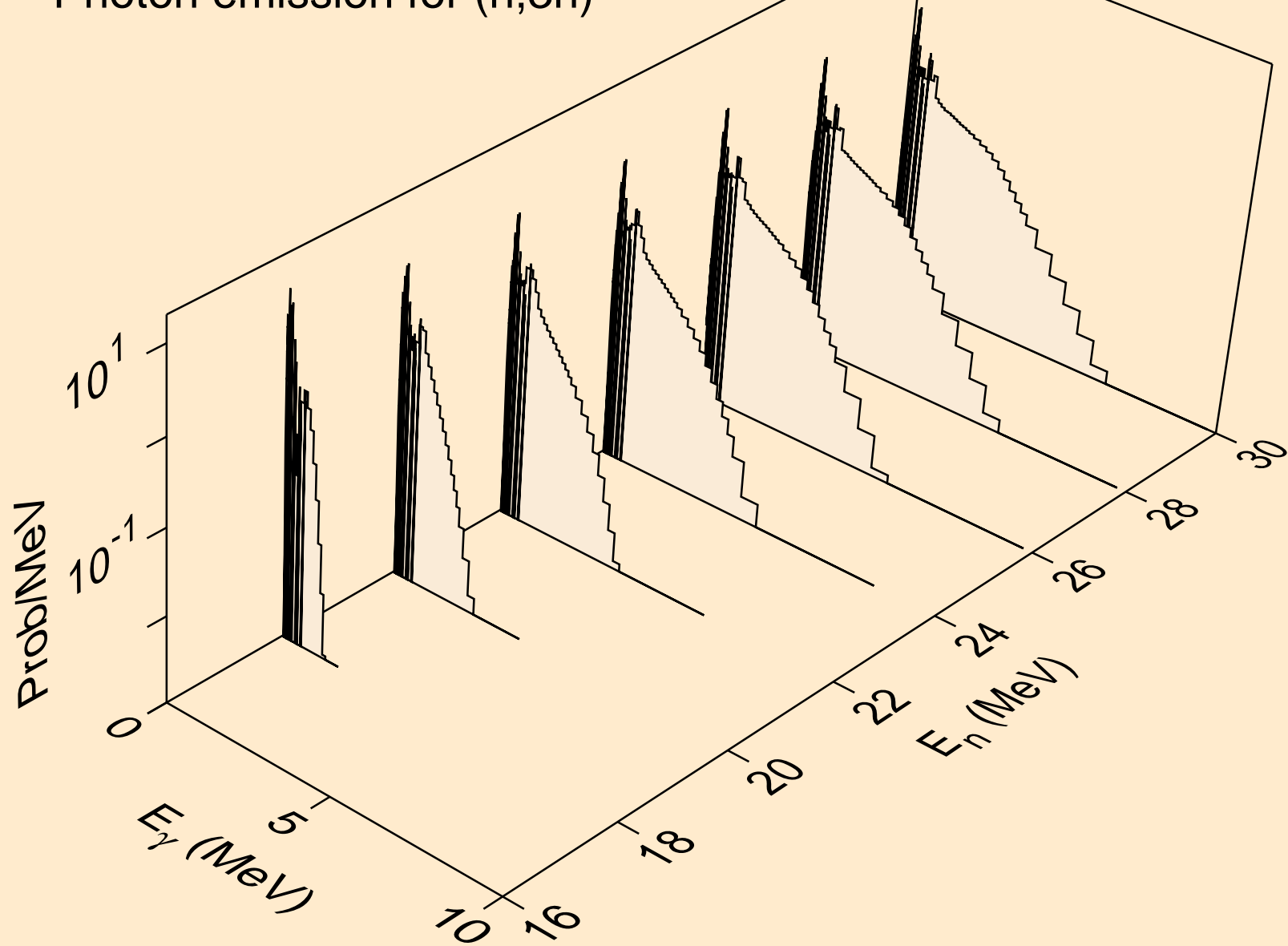
TM164M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



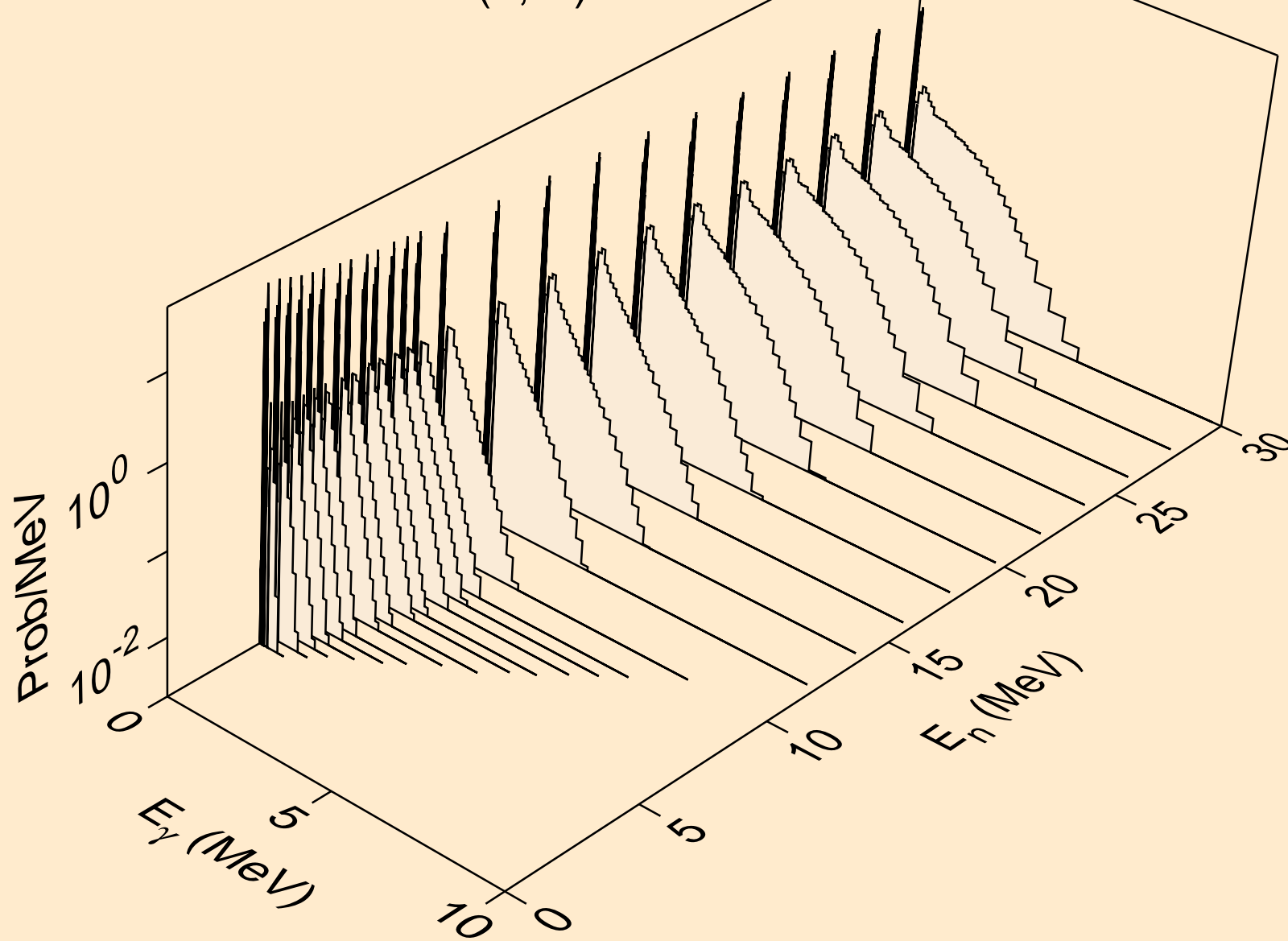
TM164M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



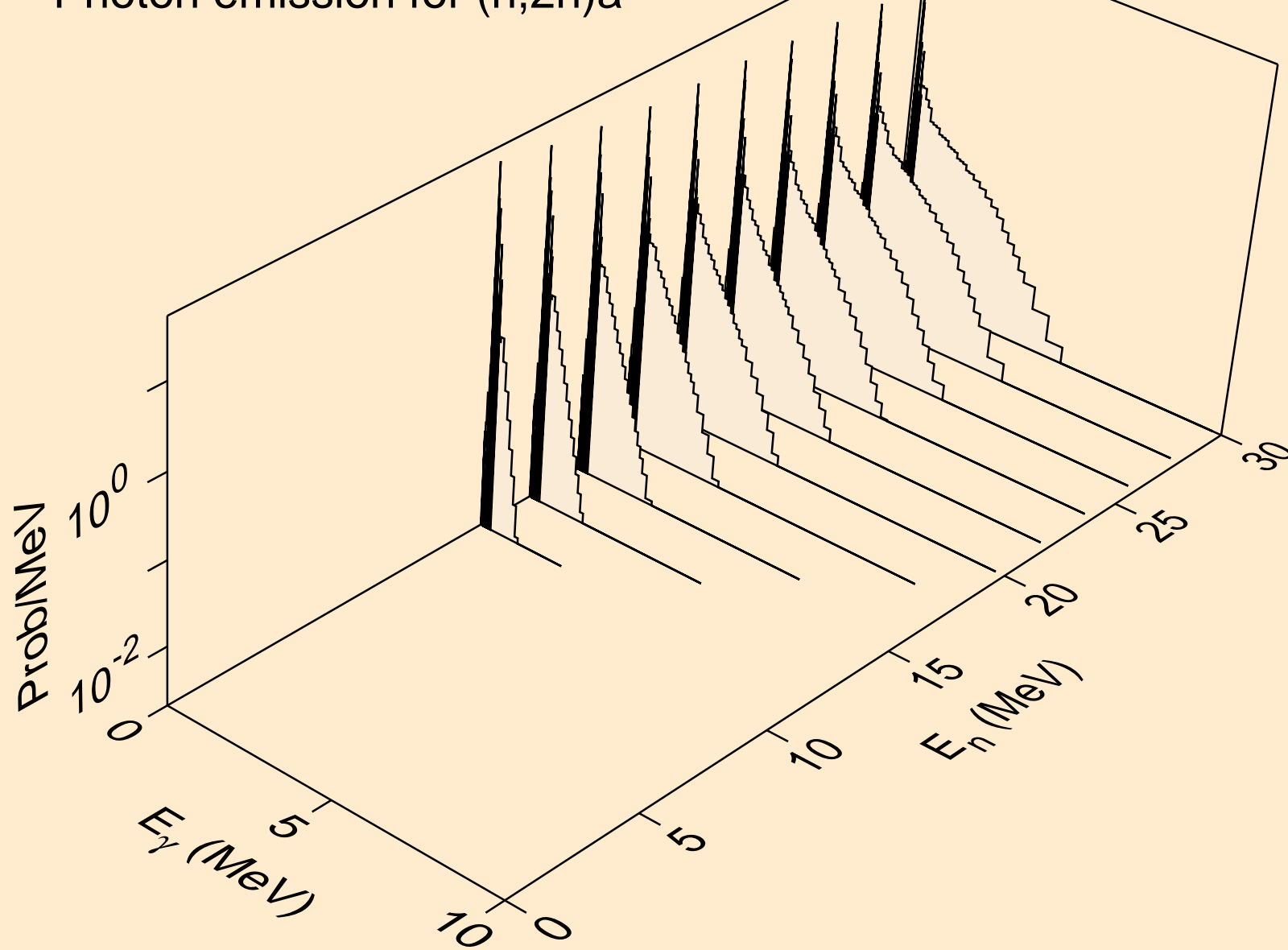
TM164M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



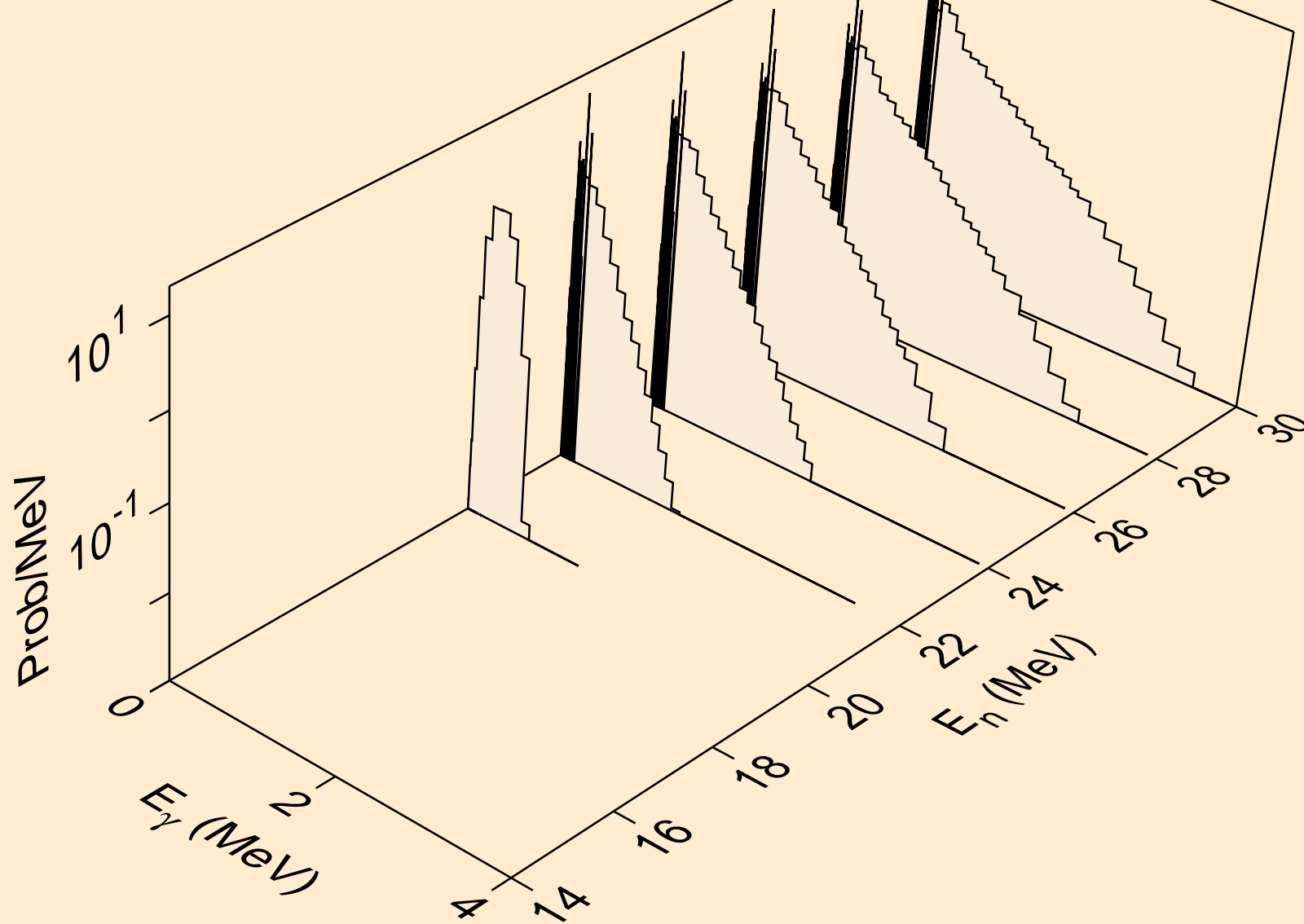
TM164M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



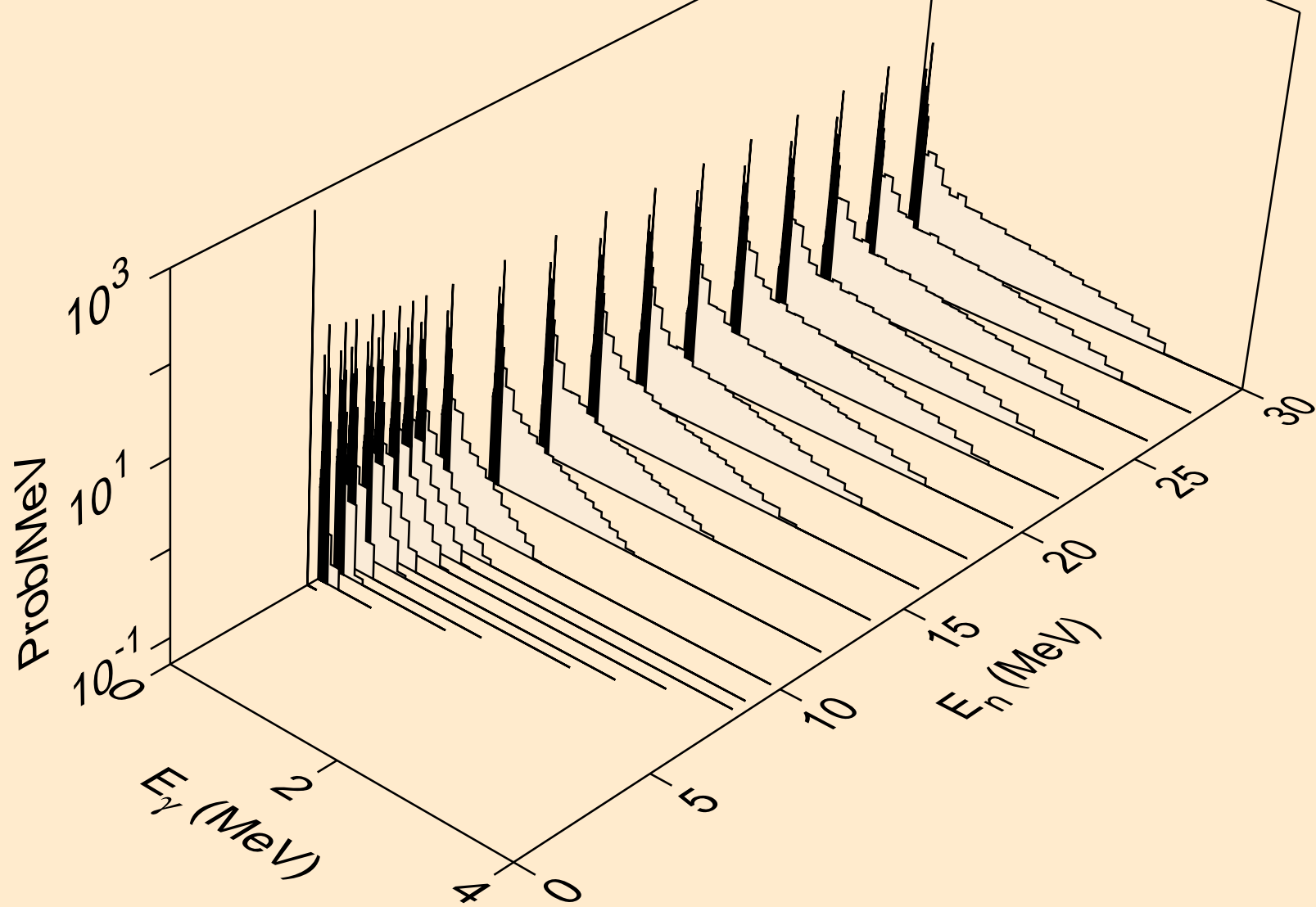
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Photon emission for (n,2n)a



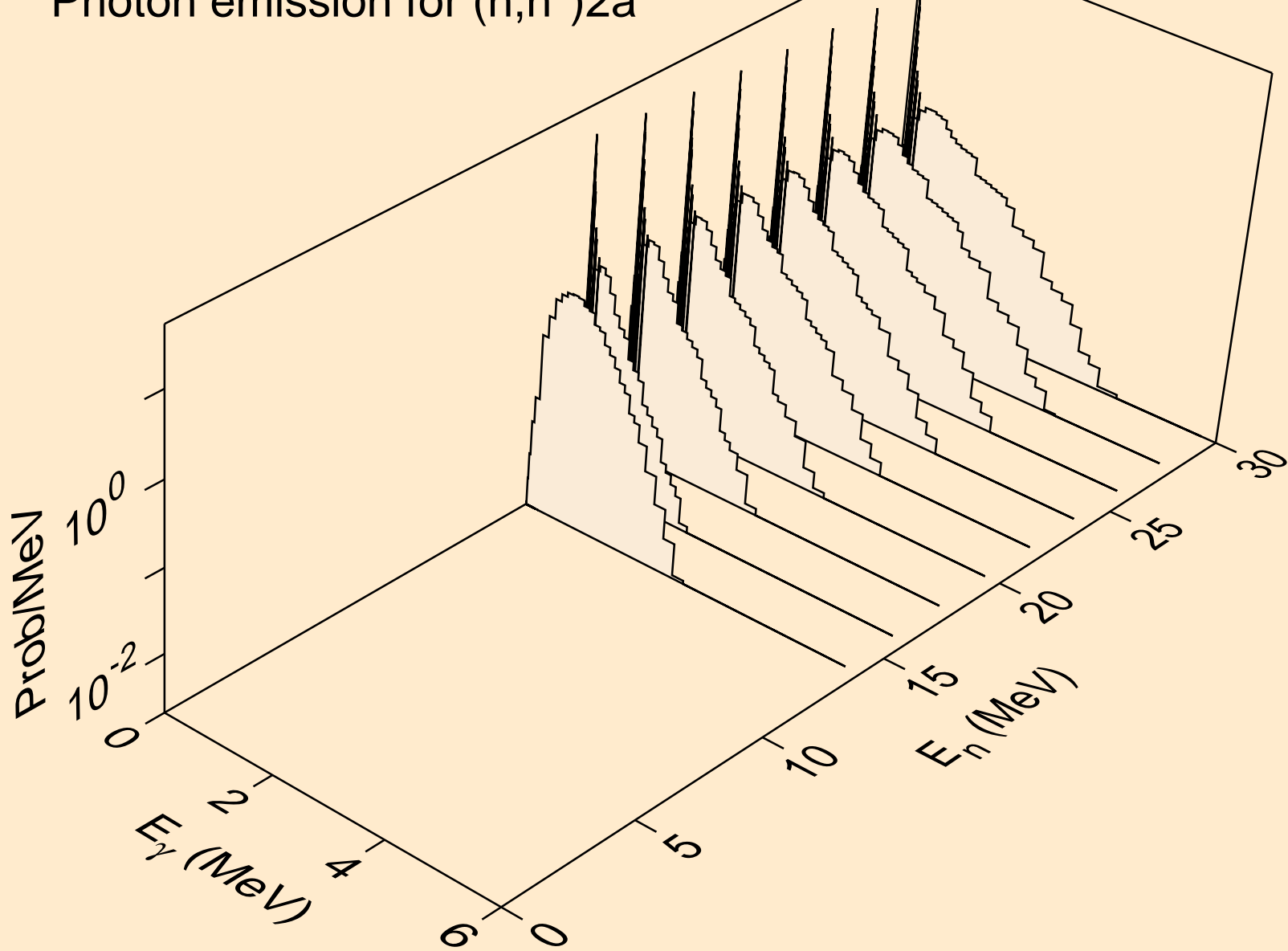
TM164M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)a



TM164M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p

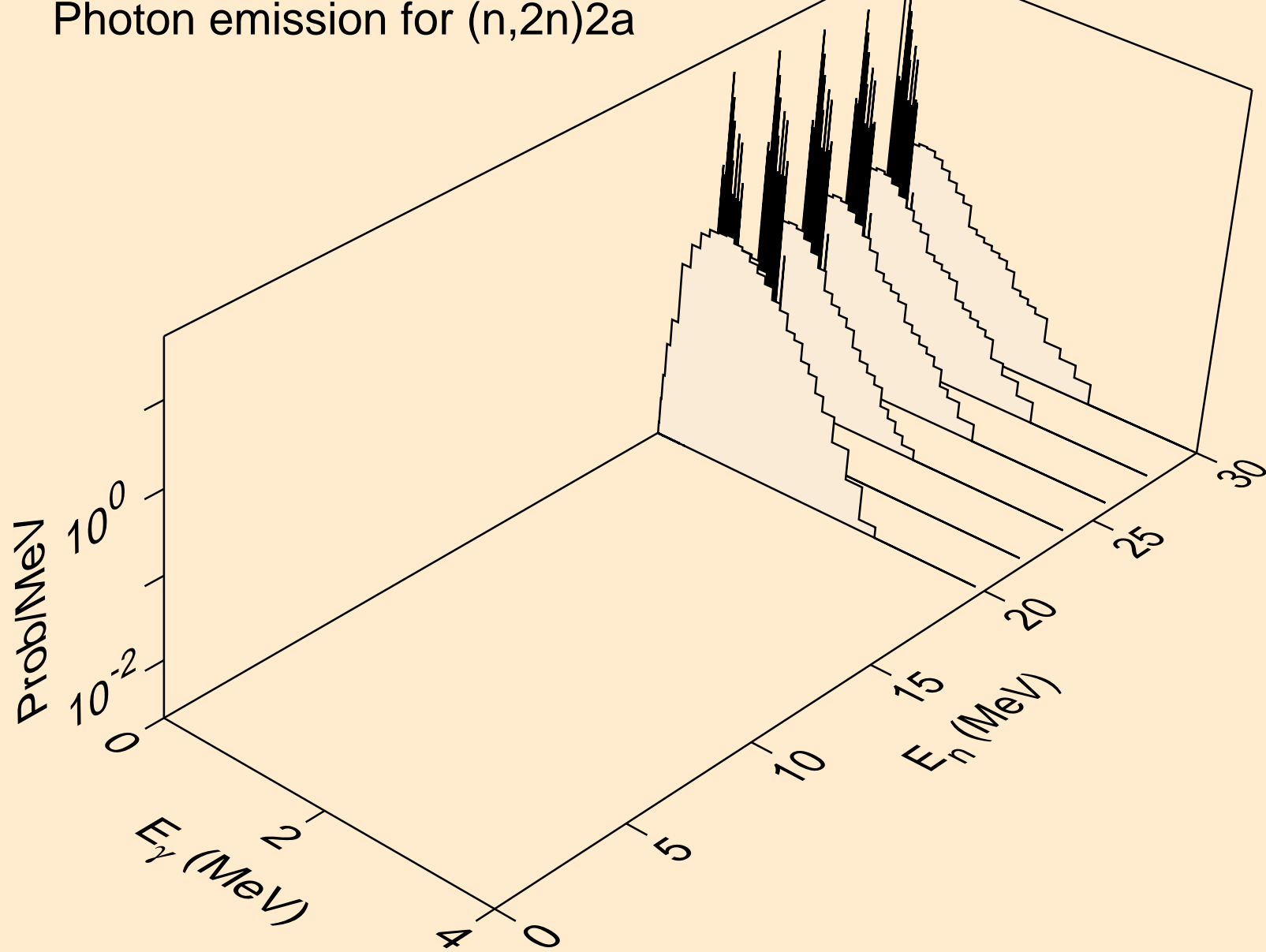


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Photon emission for (n,n\*)2a

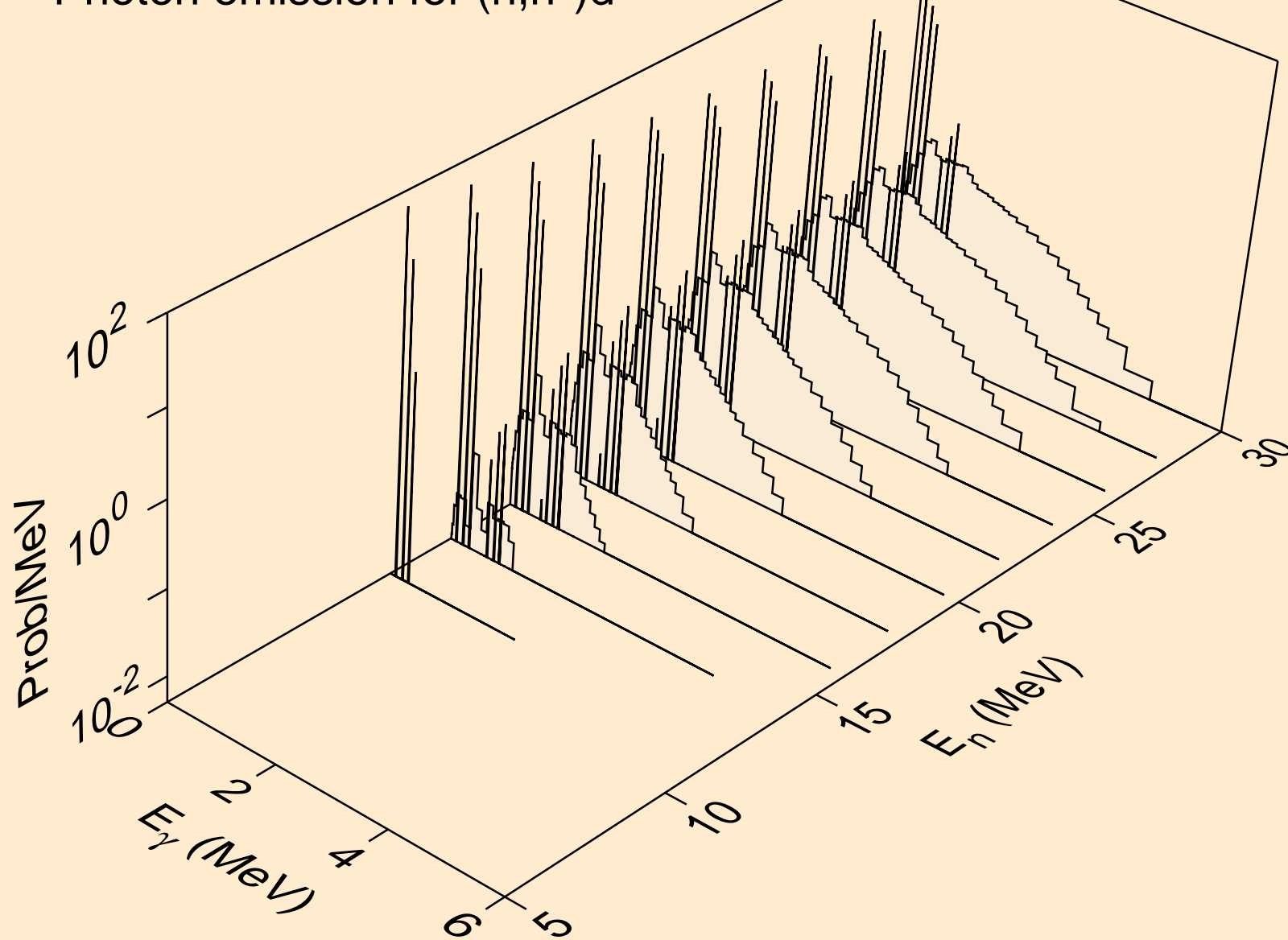




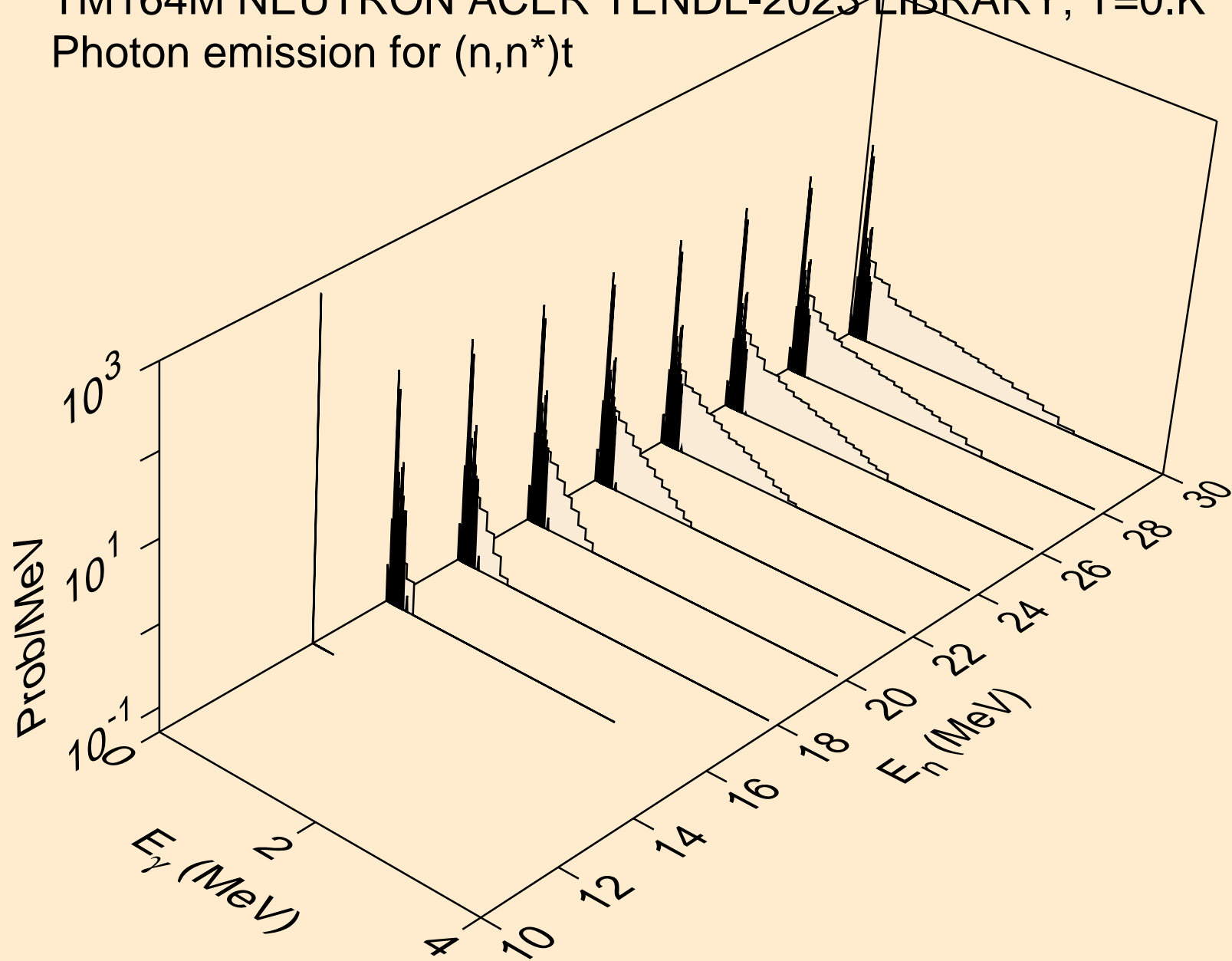
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Photon emission for (n,2n)2a



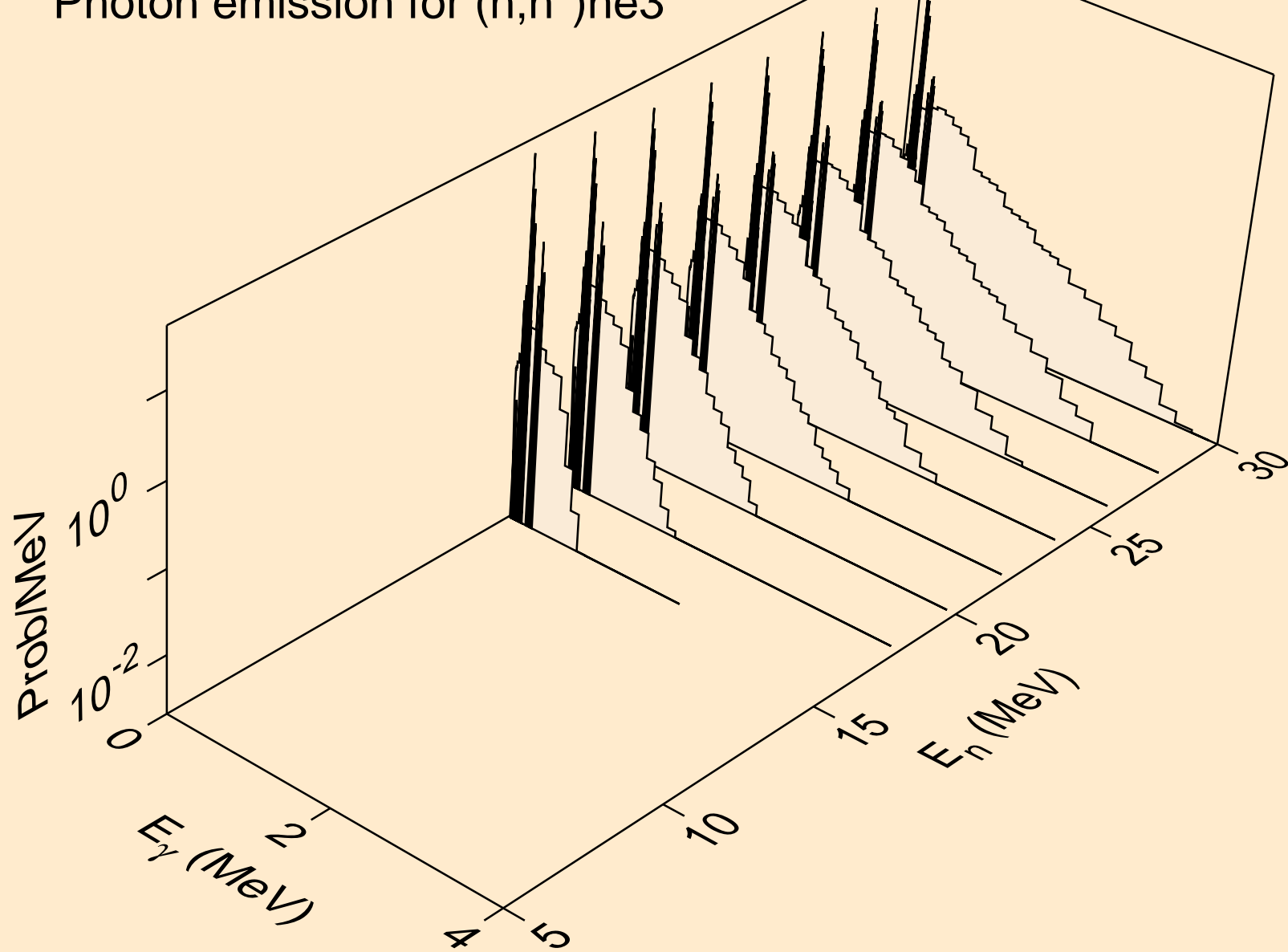
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Photon emission for (n,n\*)d



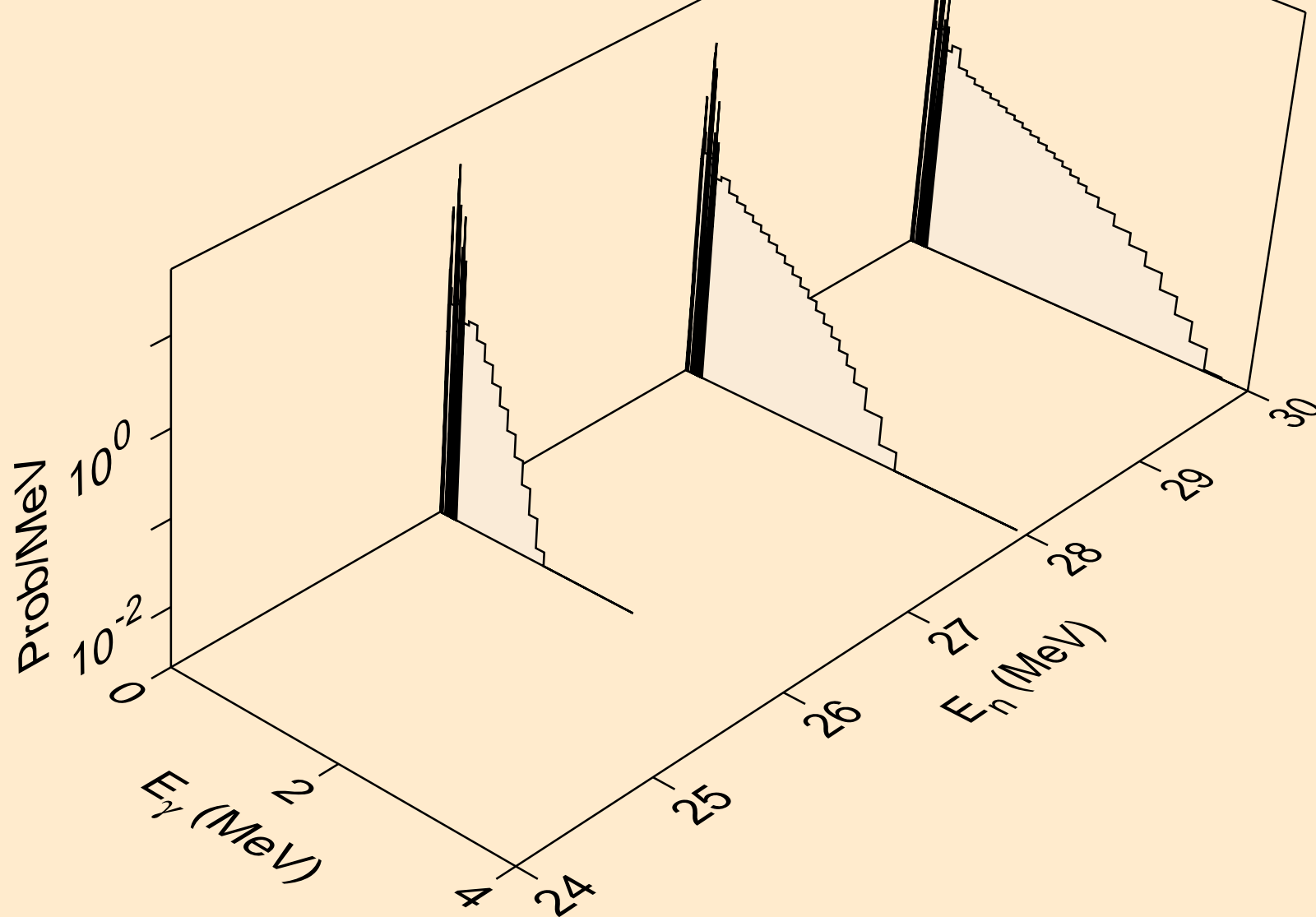
TM164M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



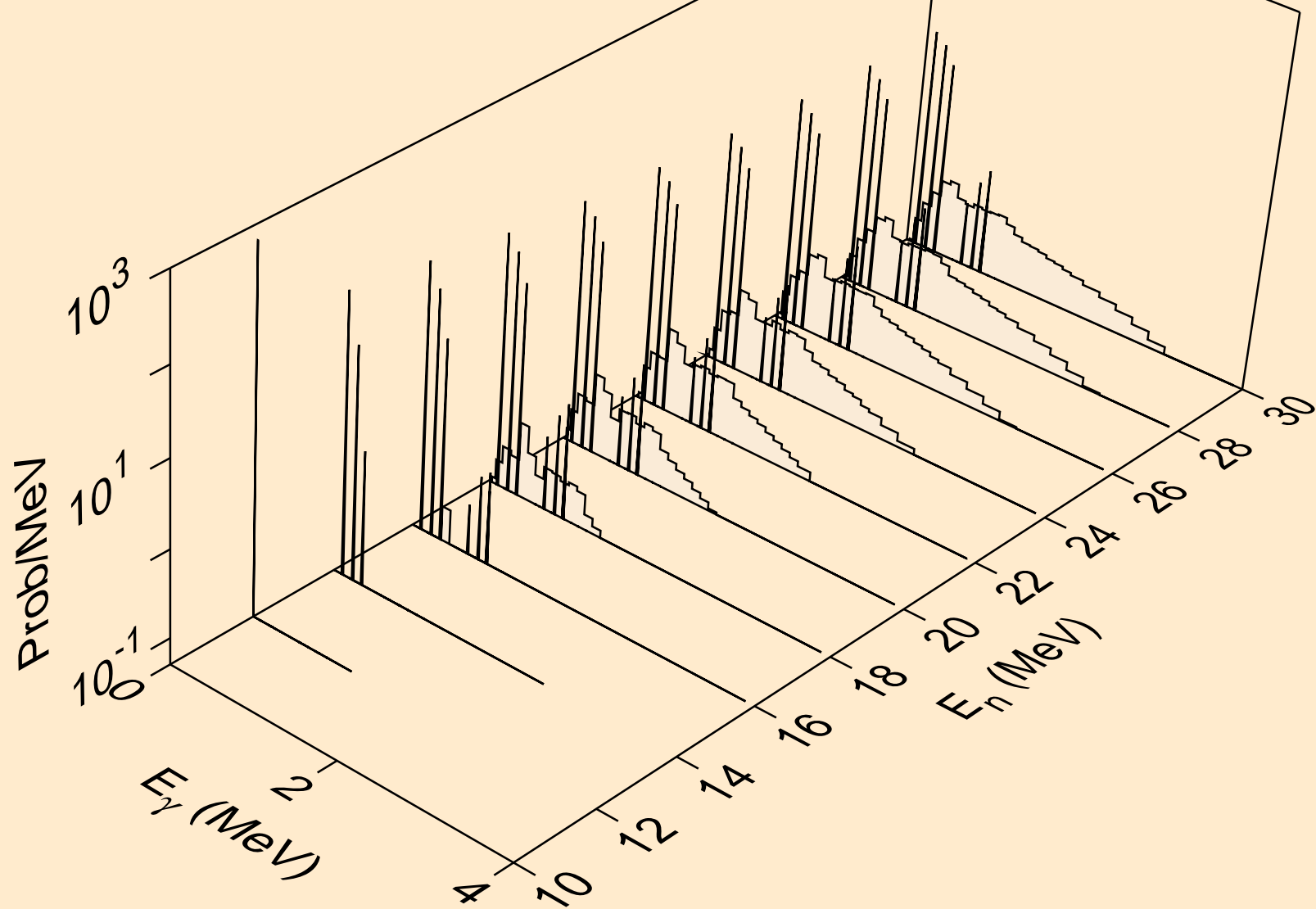
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Photon emission for (n,n\*)he3



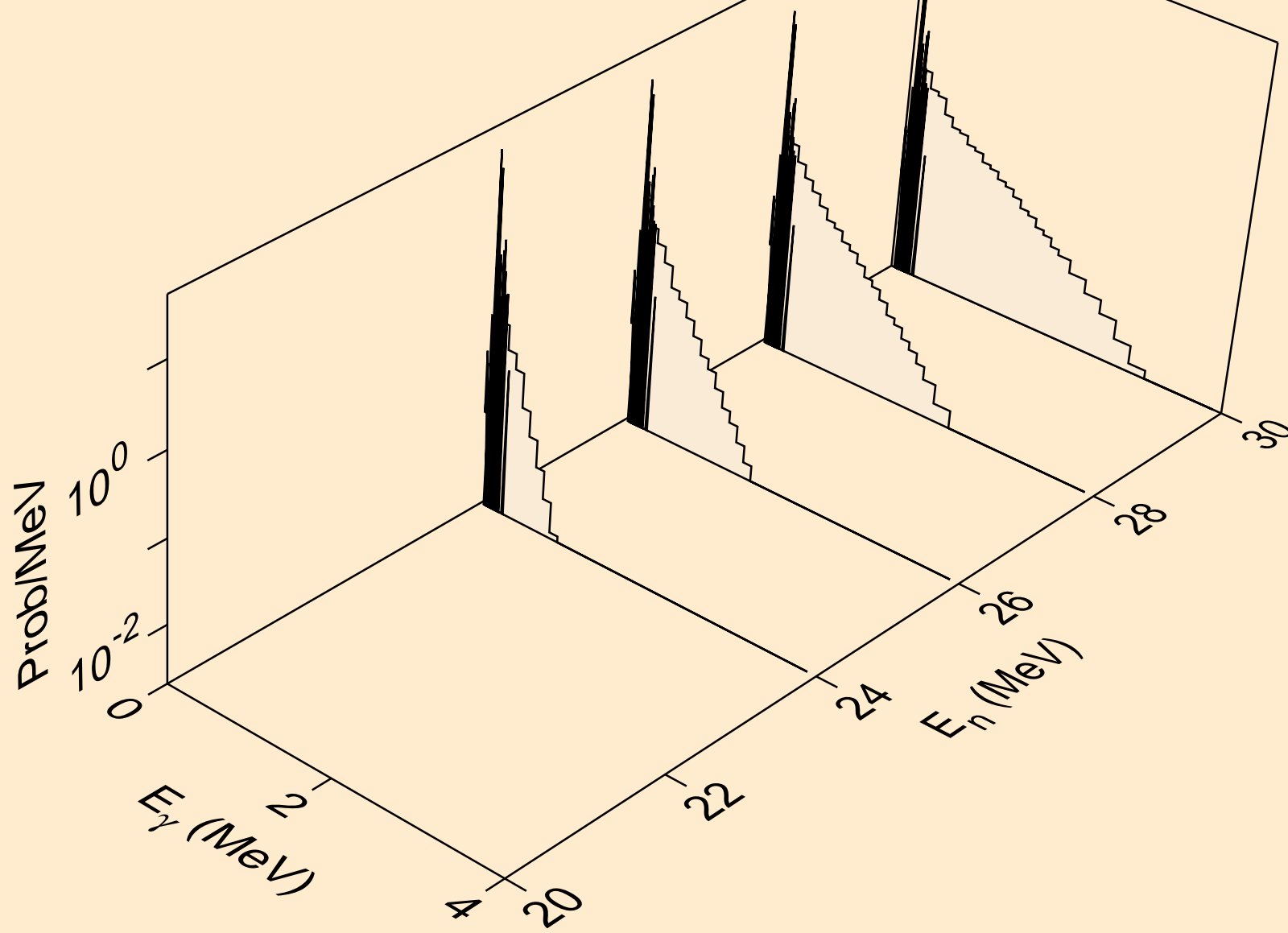
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Photon emission for (n,4n)



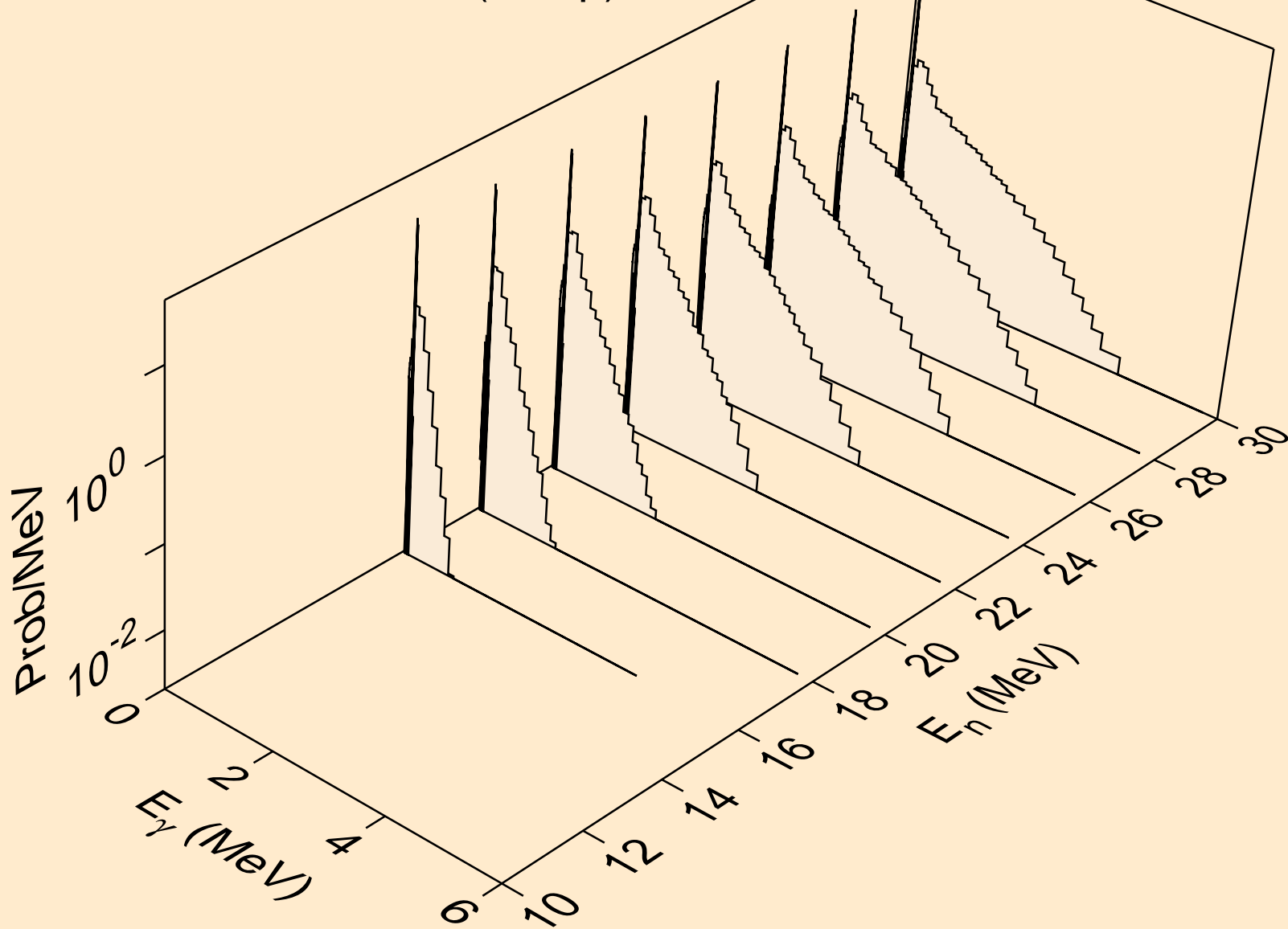
TM164M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)



TM164M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3np)

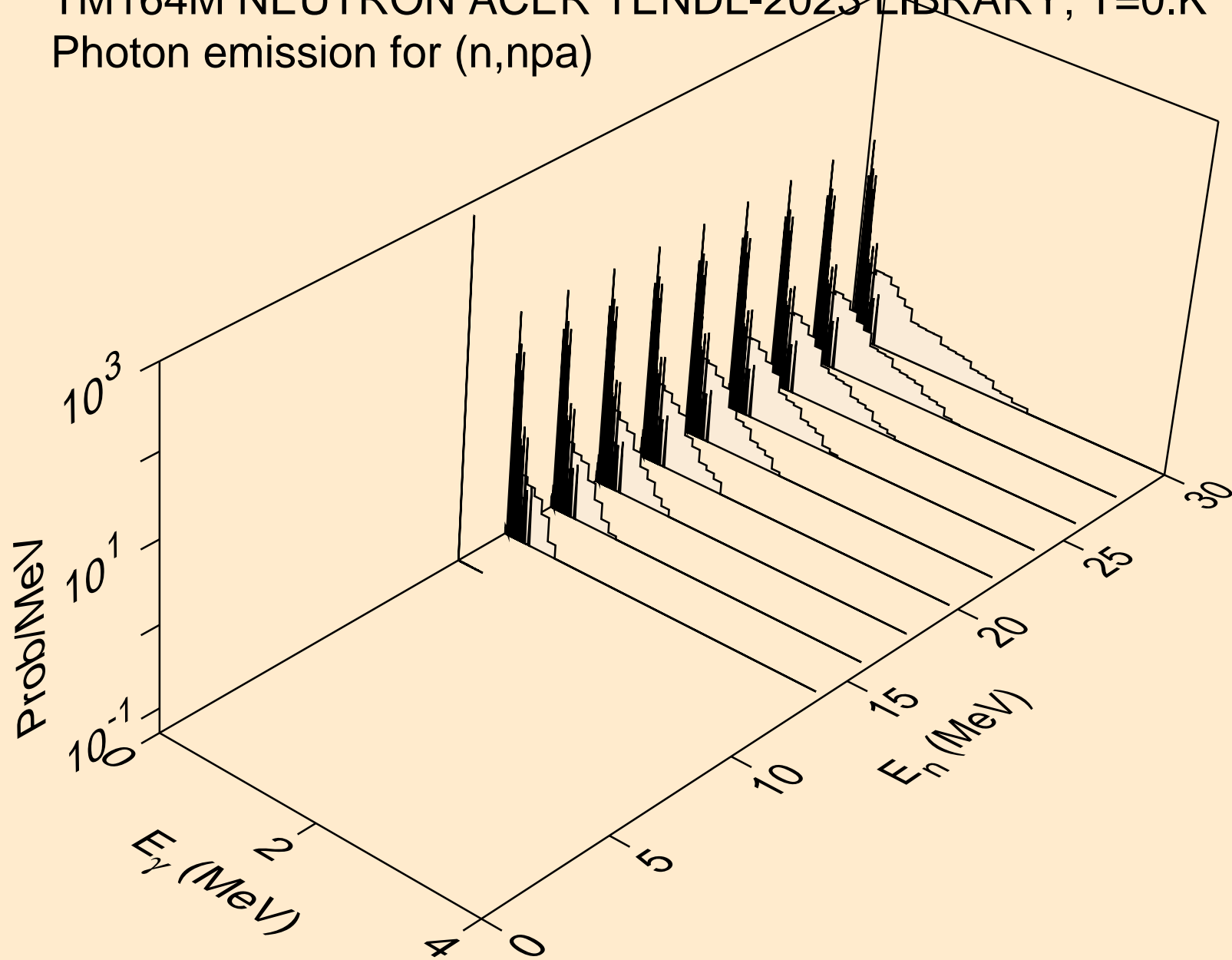


TM164M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)

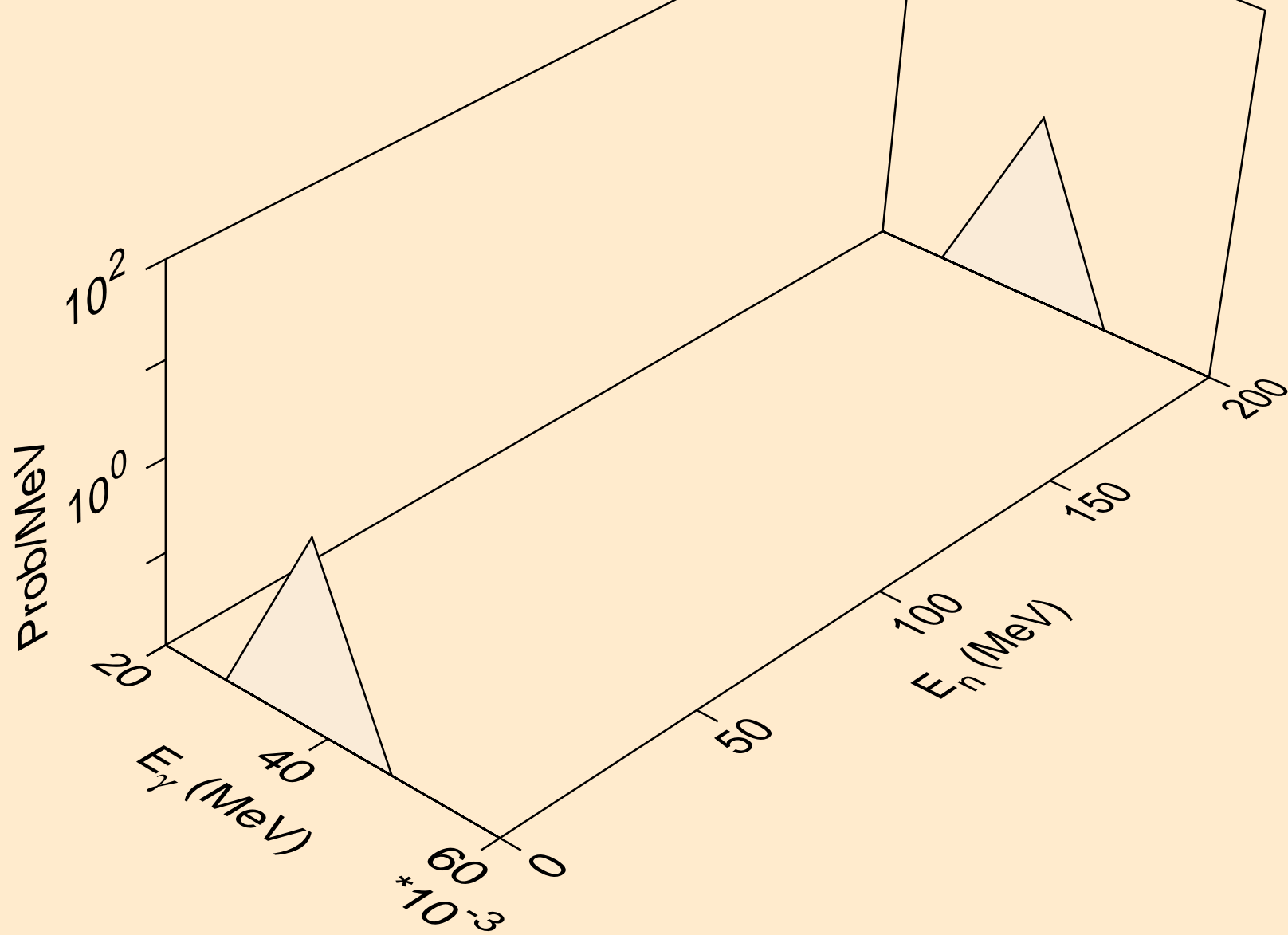




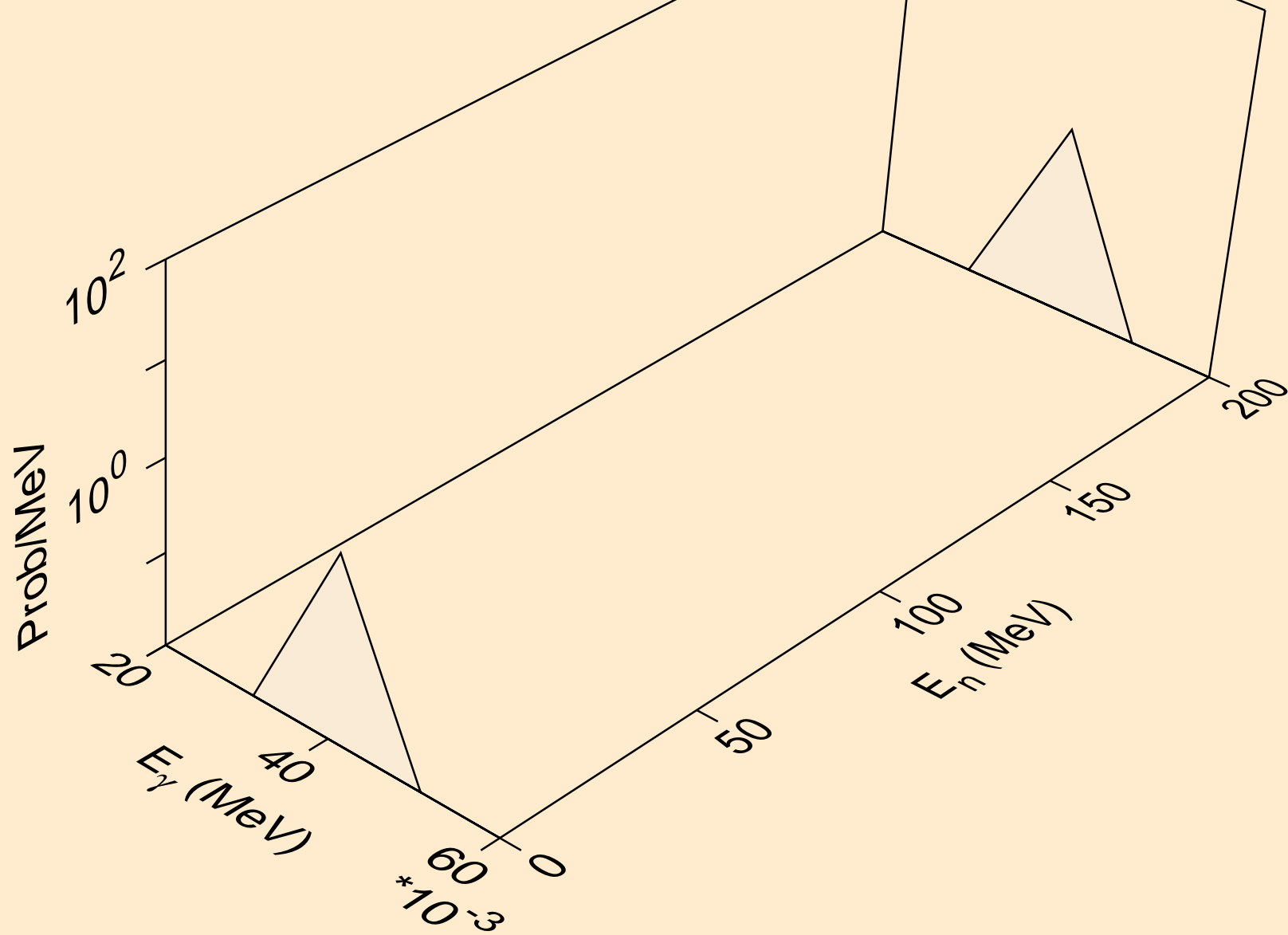
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Photon emission for (n,npa)



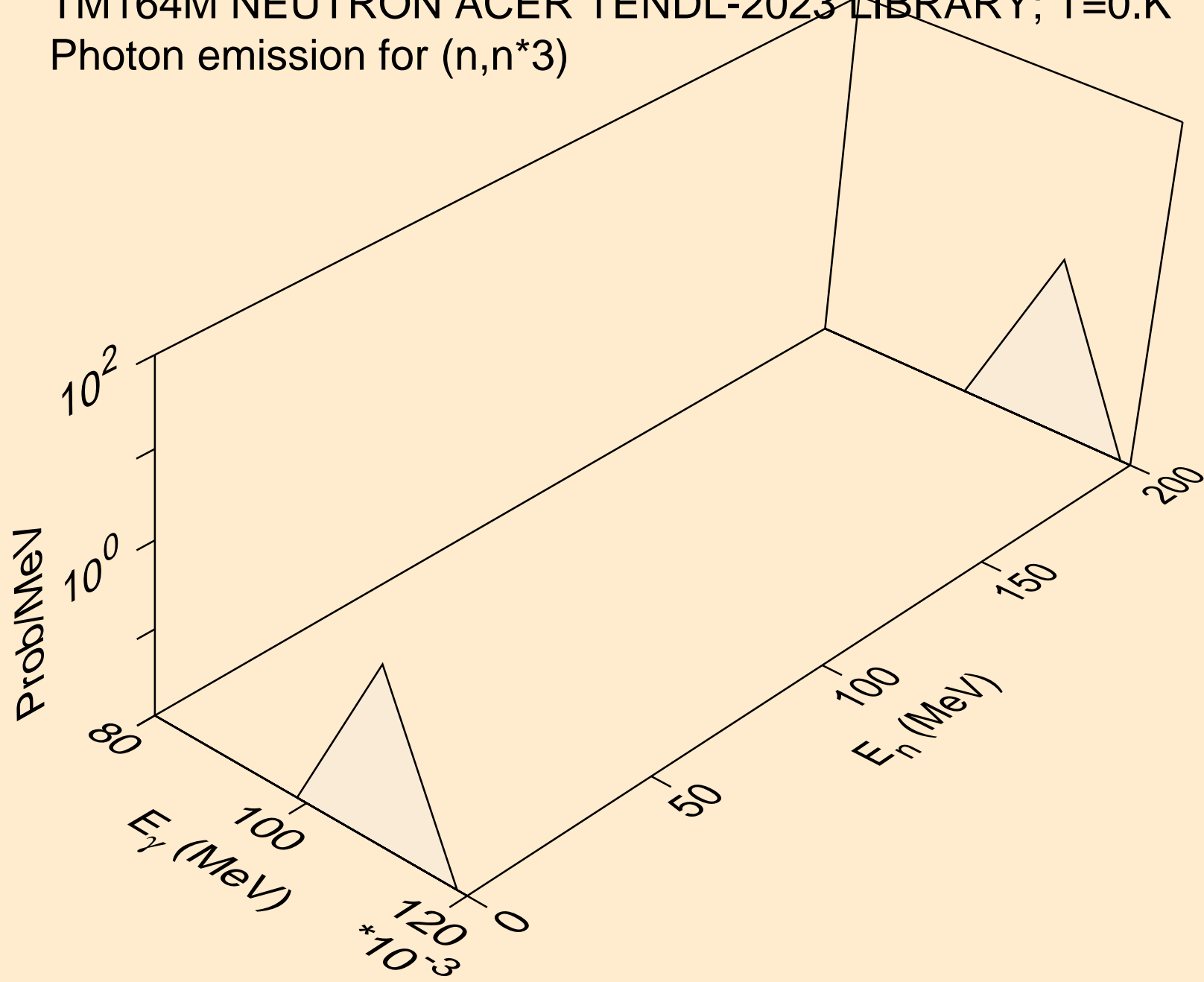
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Photon emission for (n,n\*1)



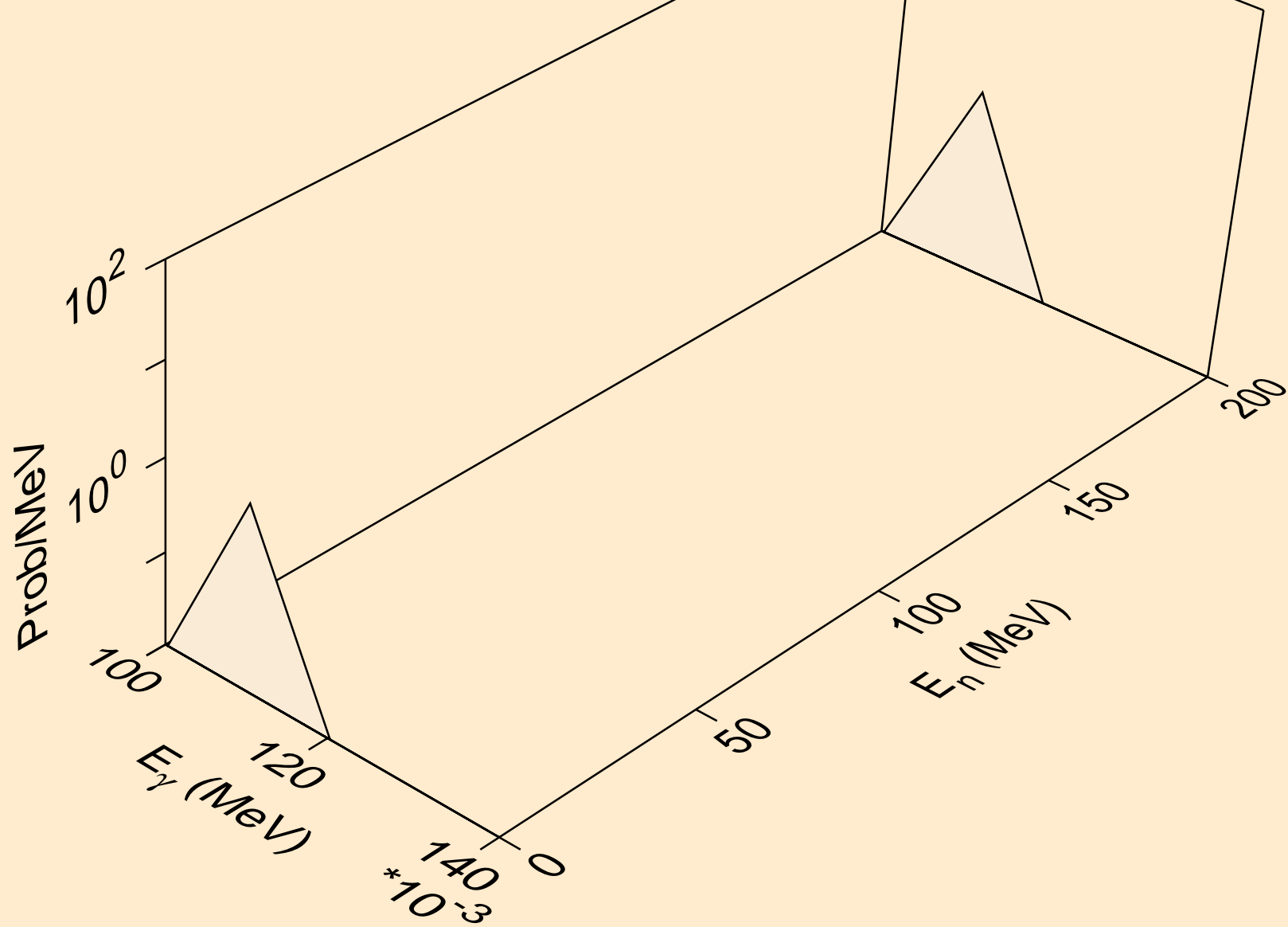
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Photon emission for (n,n\*2)



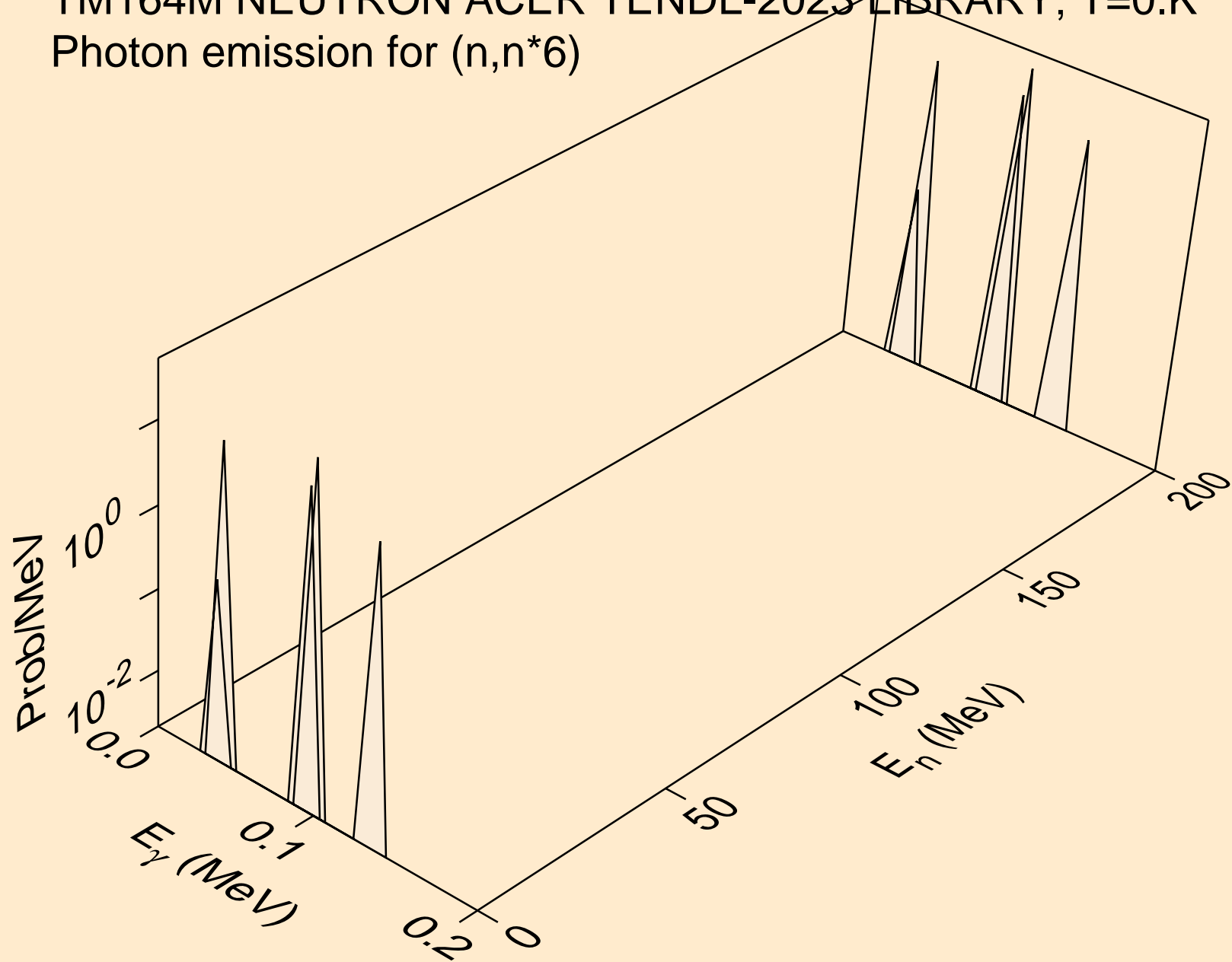
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Photon emission for (n,n\*3)



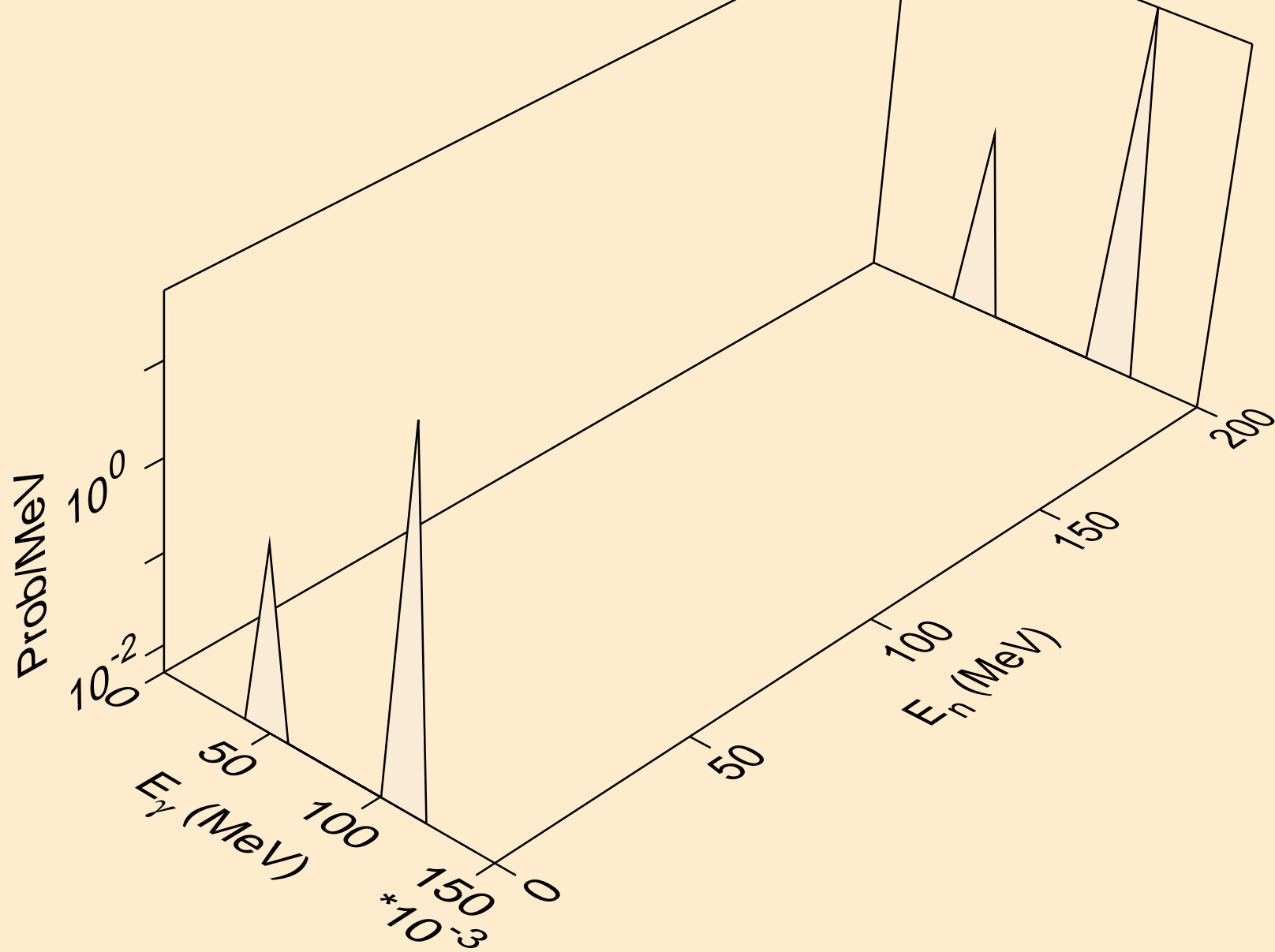
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Photon emission for (n,n\*4)



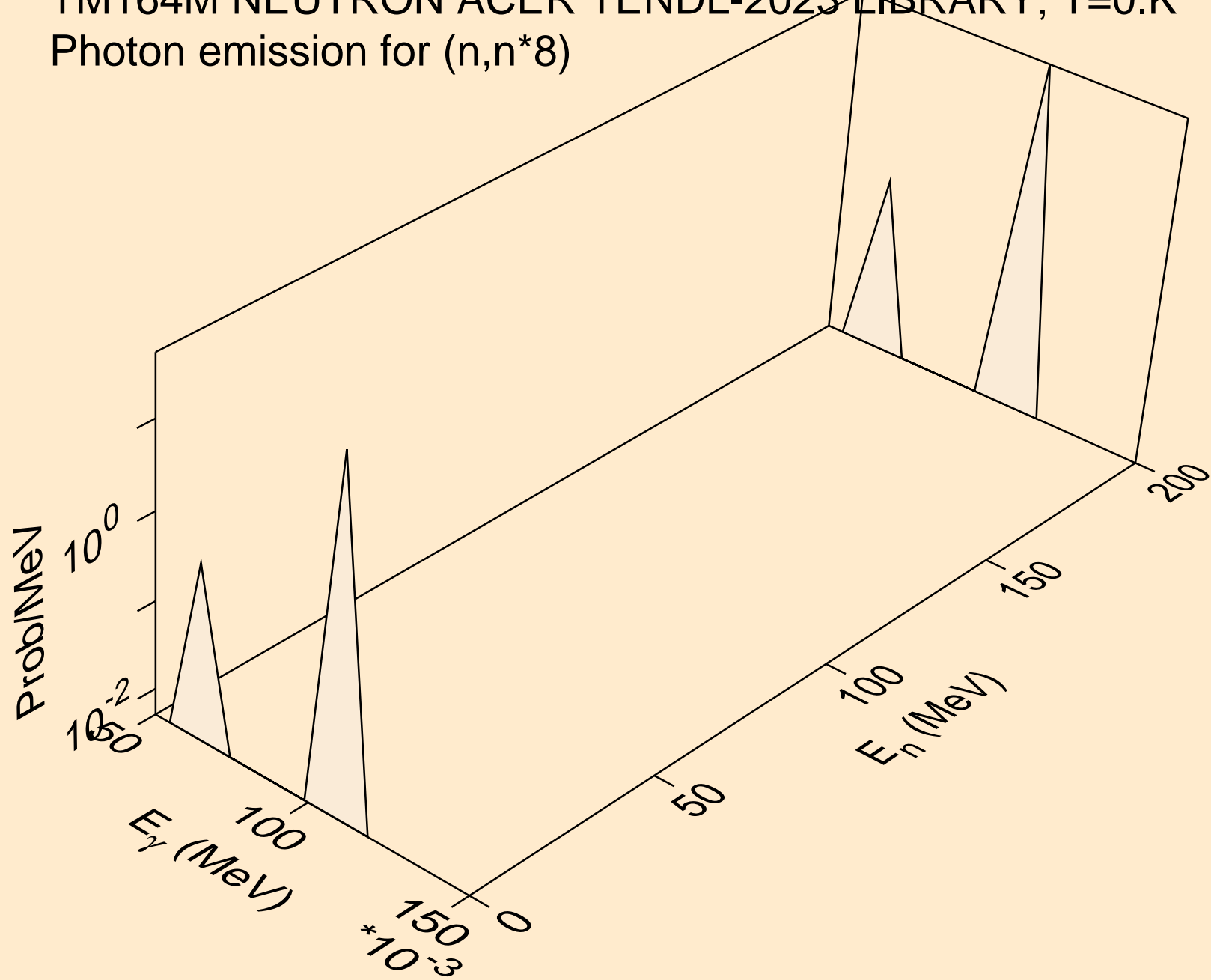
TM164M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*6)



TM164M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*7)

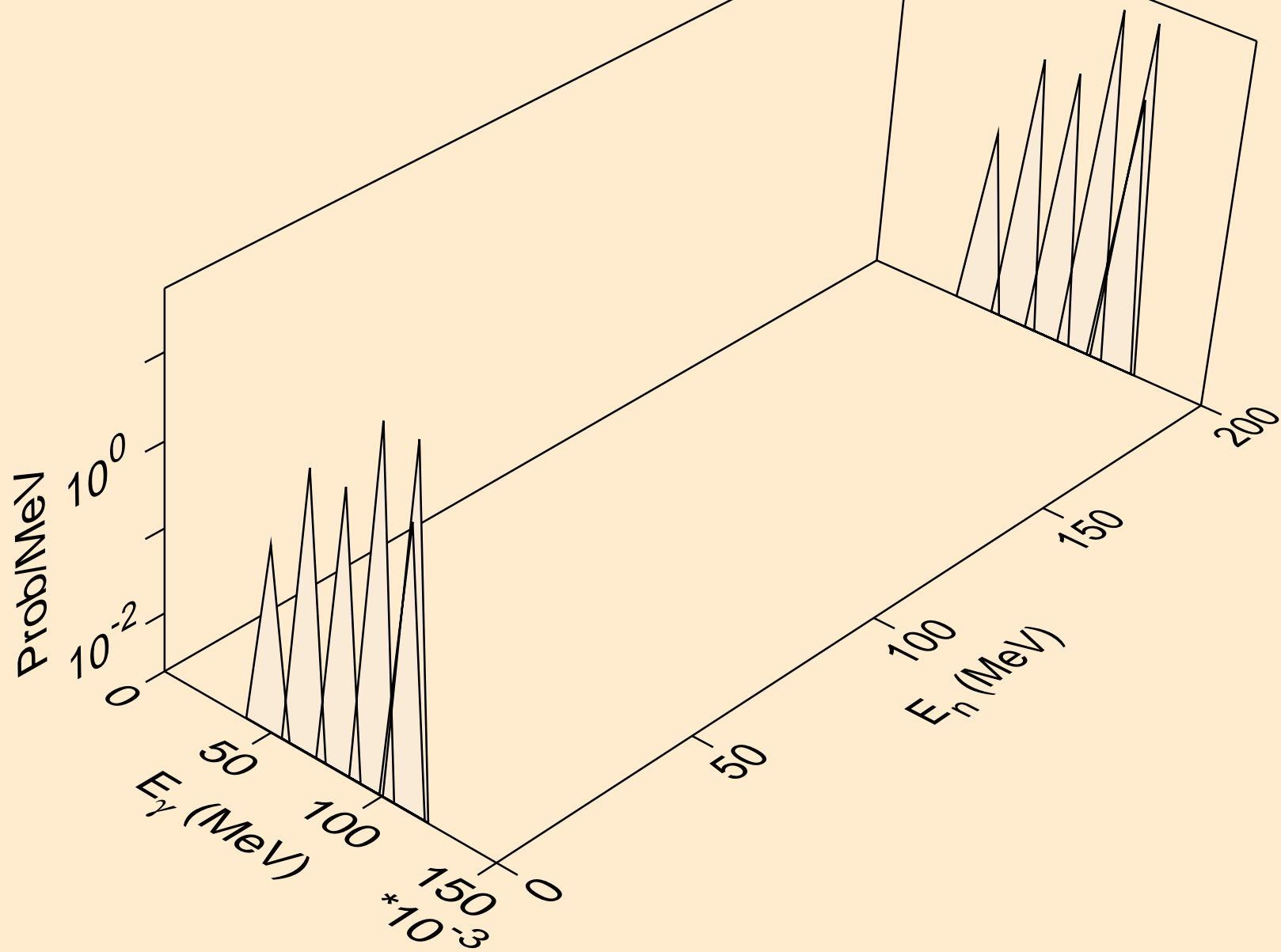


TM164M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*8)

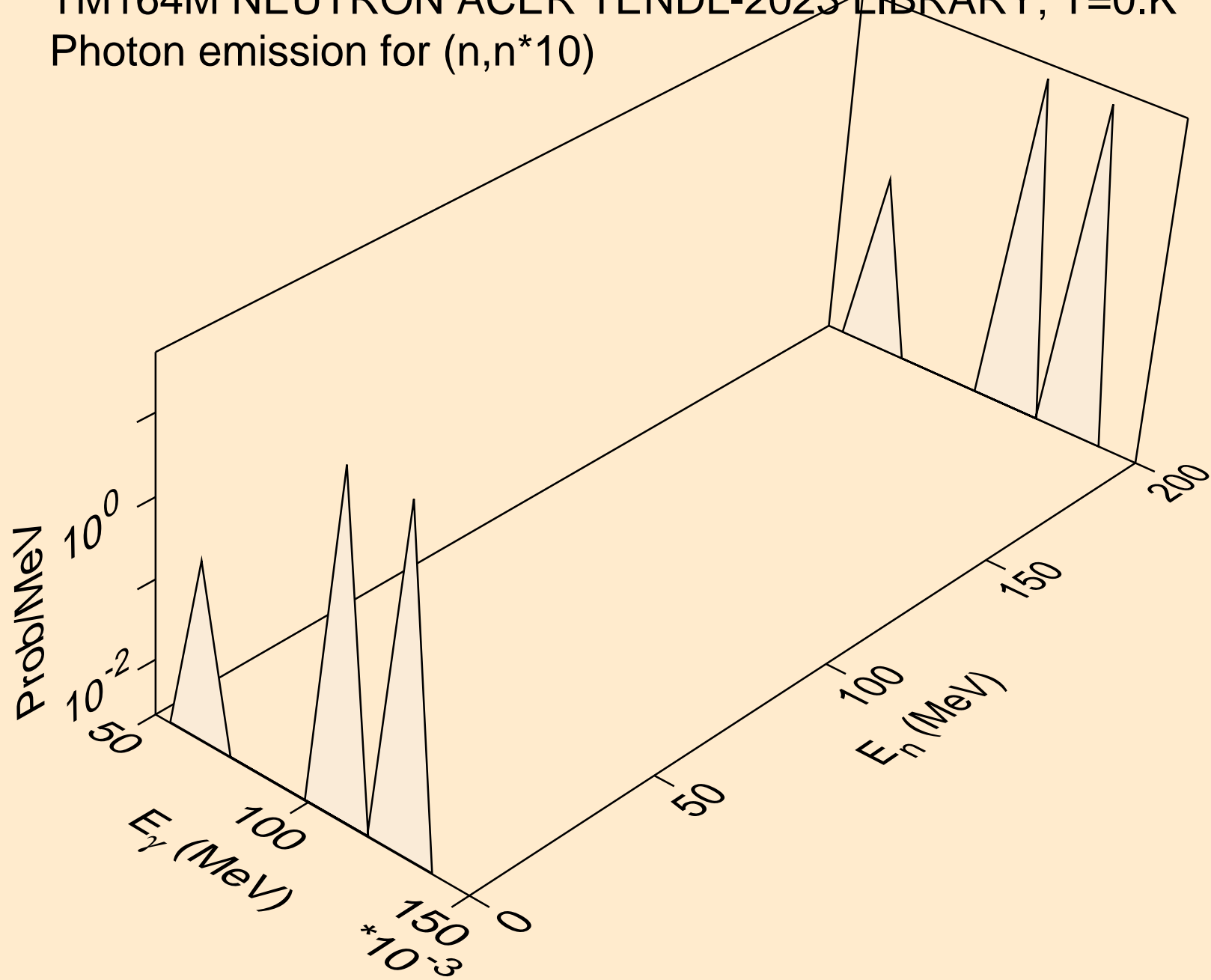




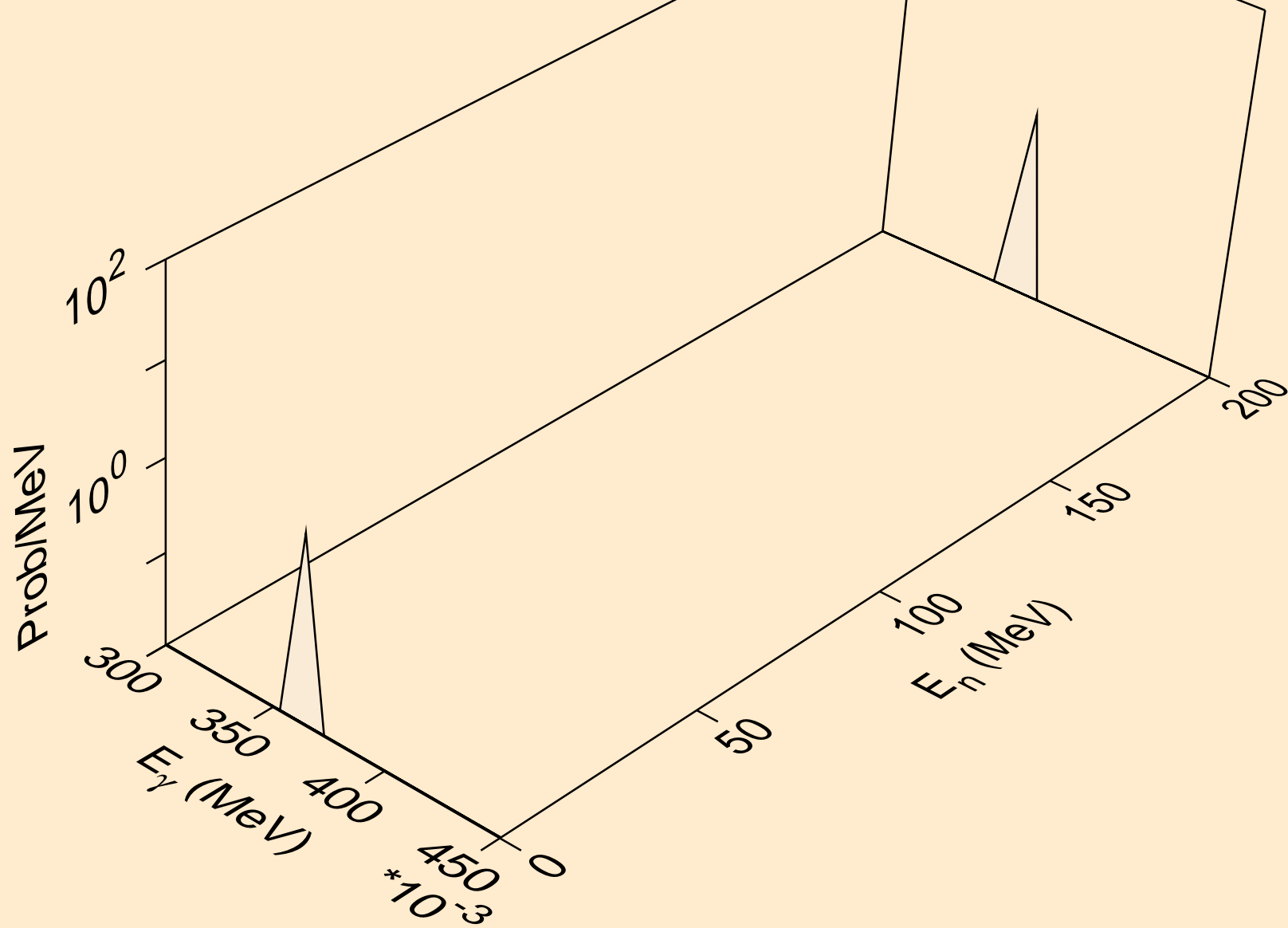
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Photon emission for (n,n\*9)



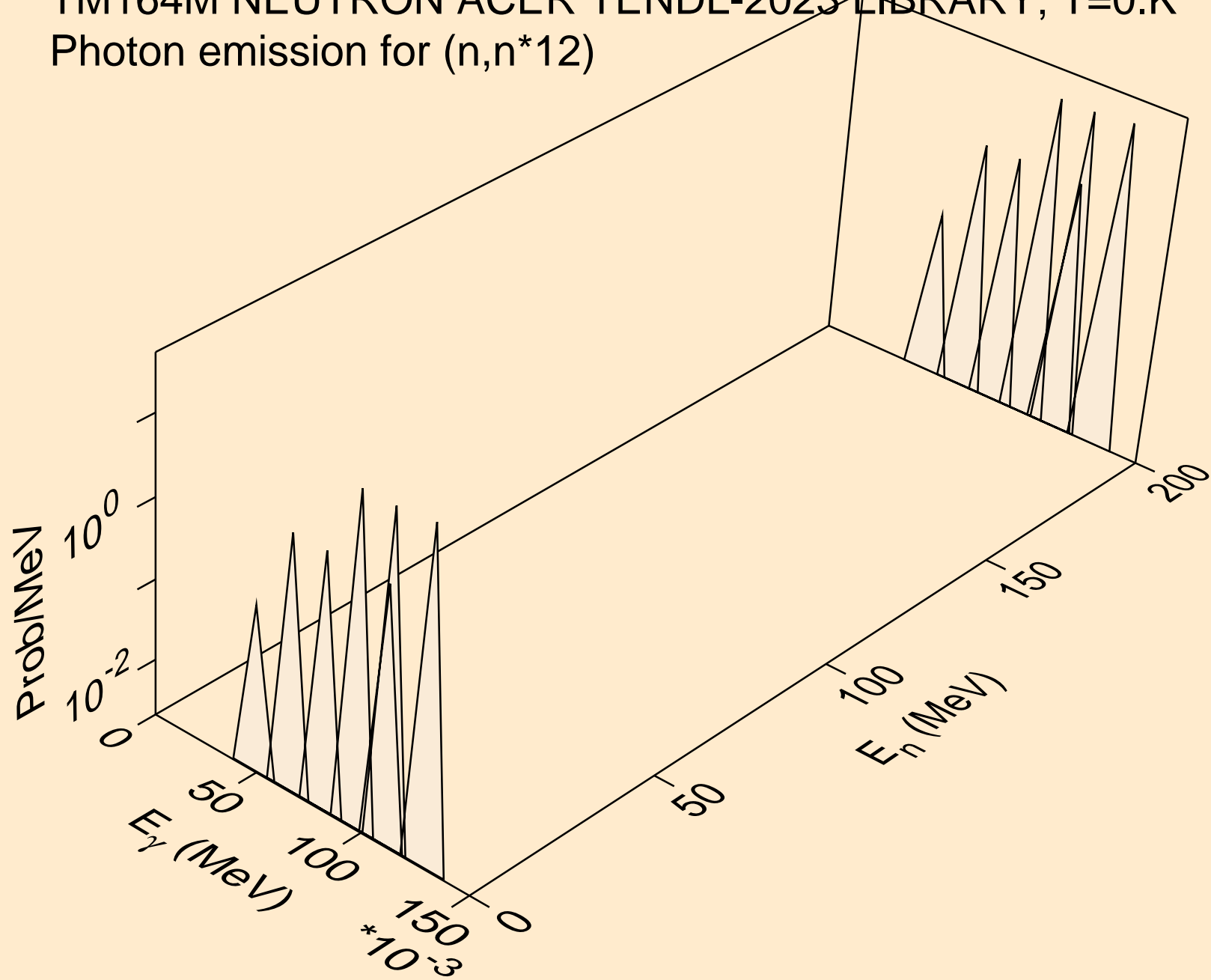
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Photon emission for (n,n\*10)



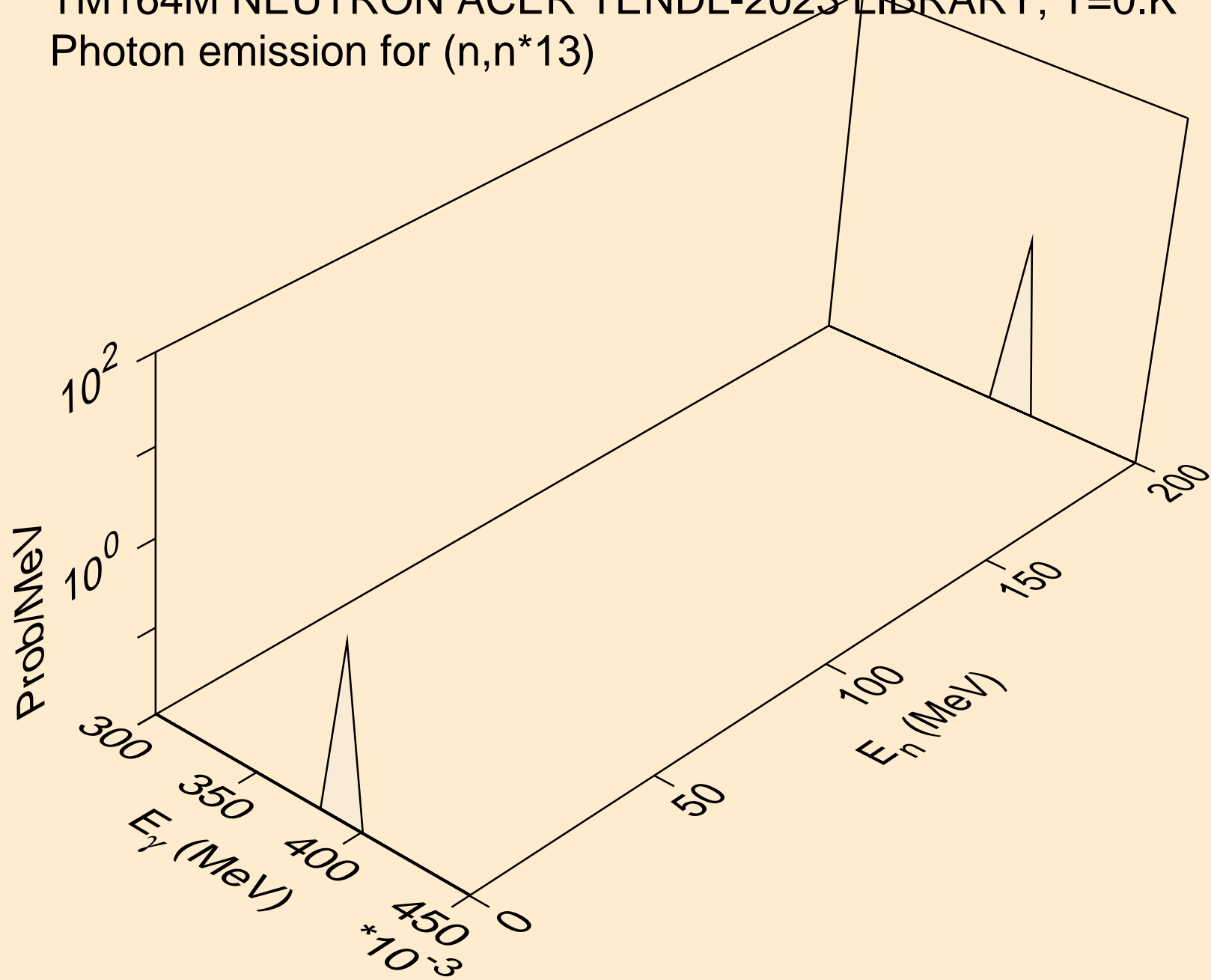
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Photon emission for (n,n\*11)



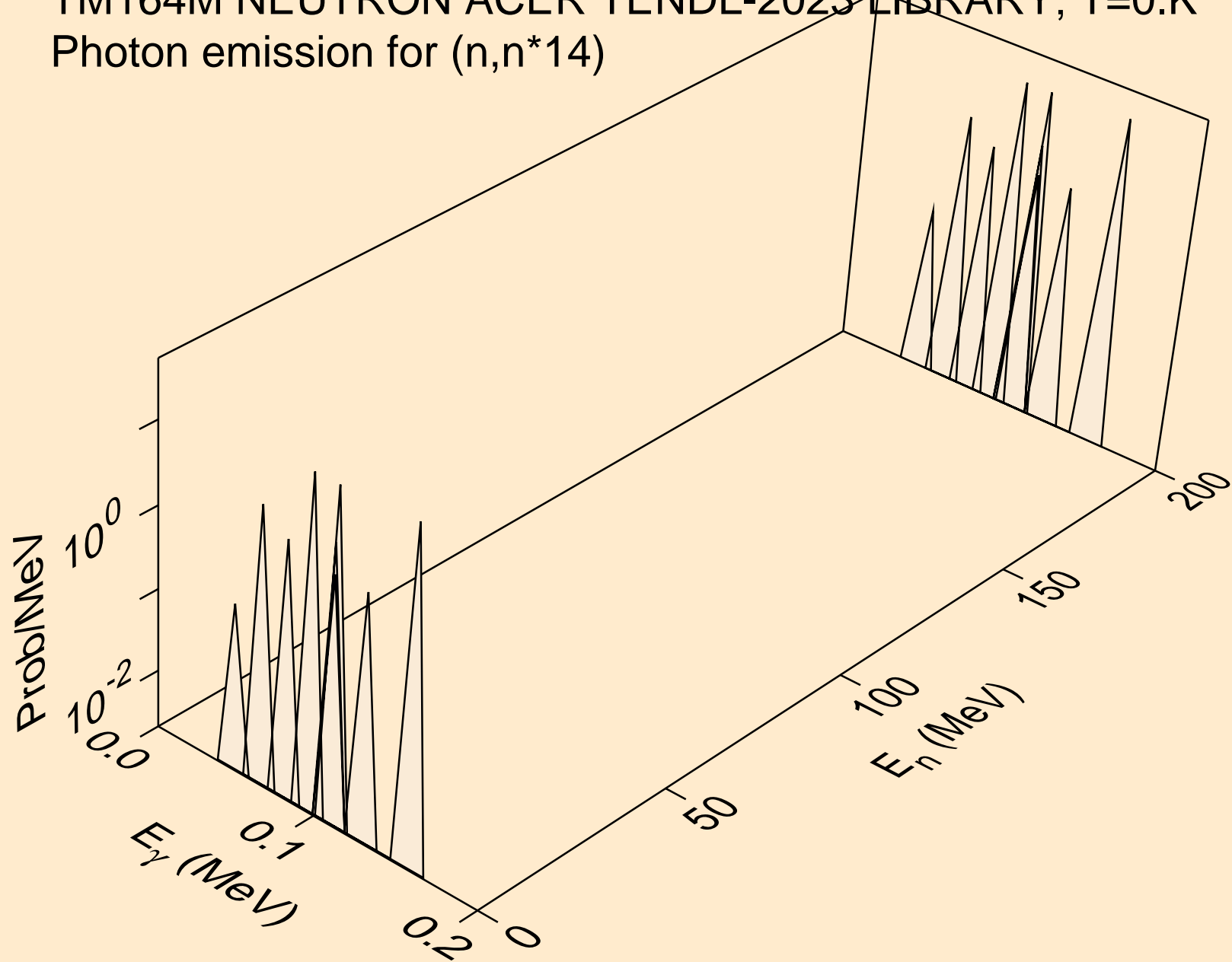
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Photon emission for (n,n\*12)



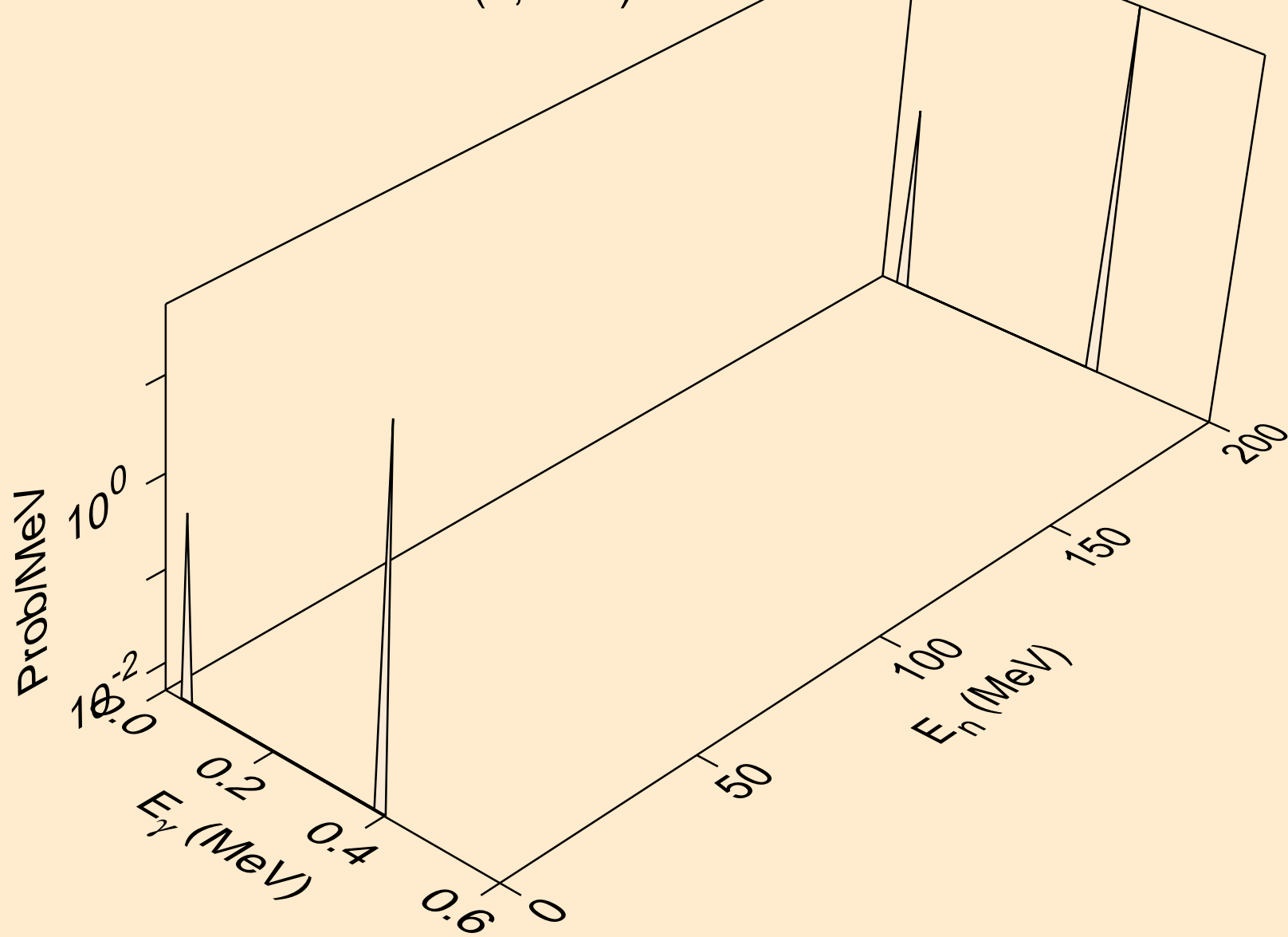
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Photon emission for (n,n\*13)



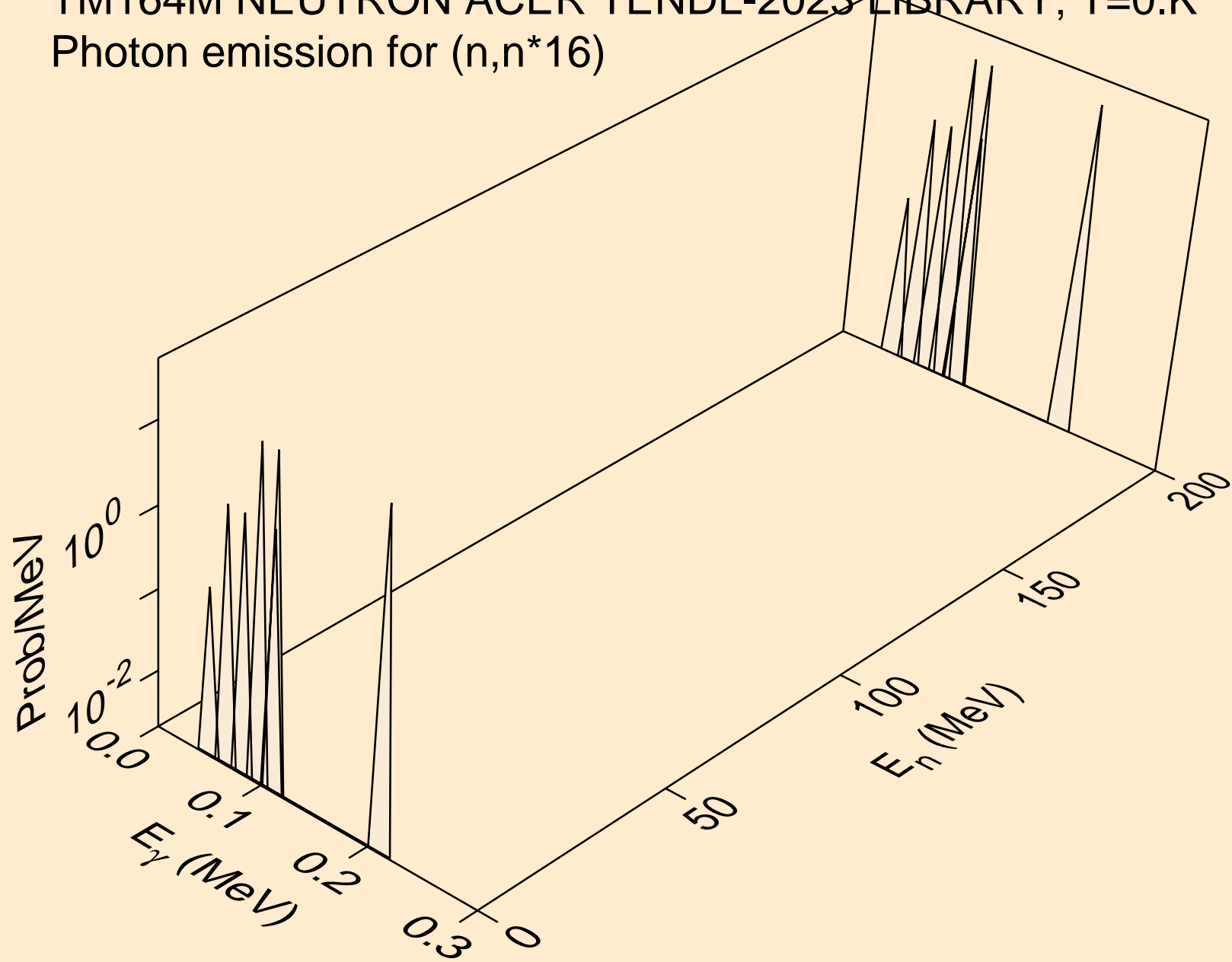
TM164M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*14)



TM164M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*15)

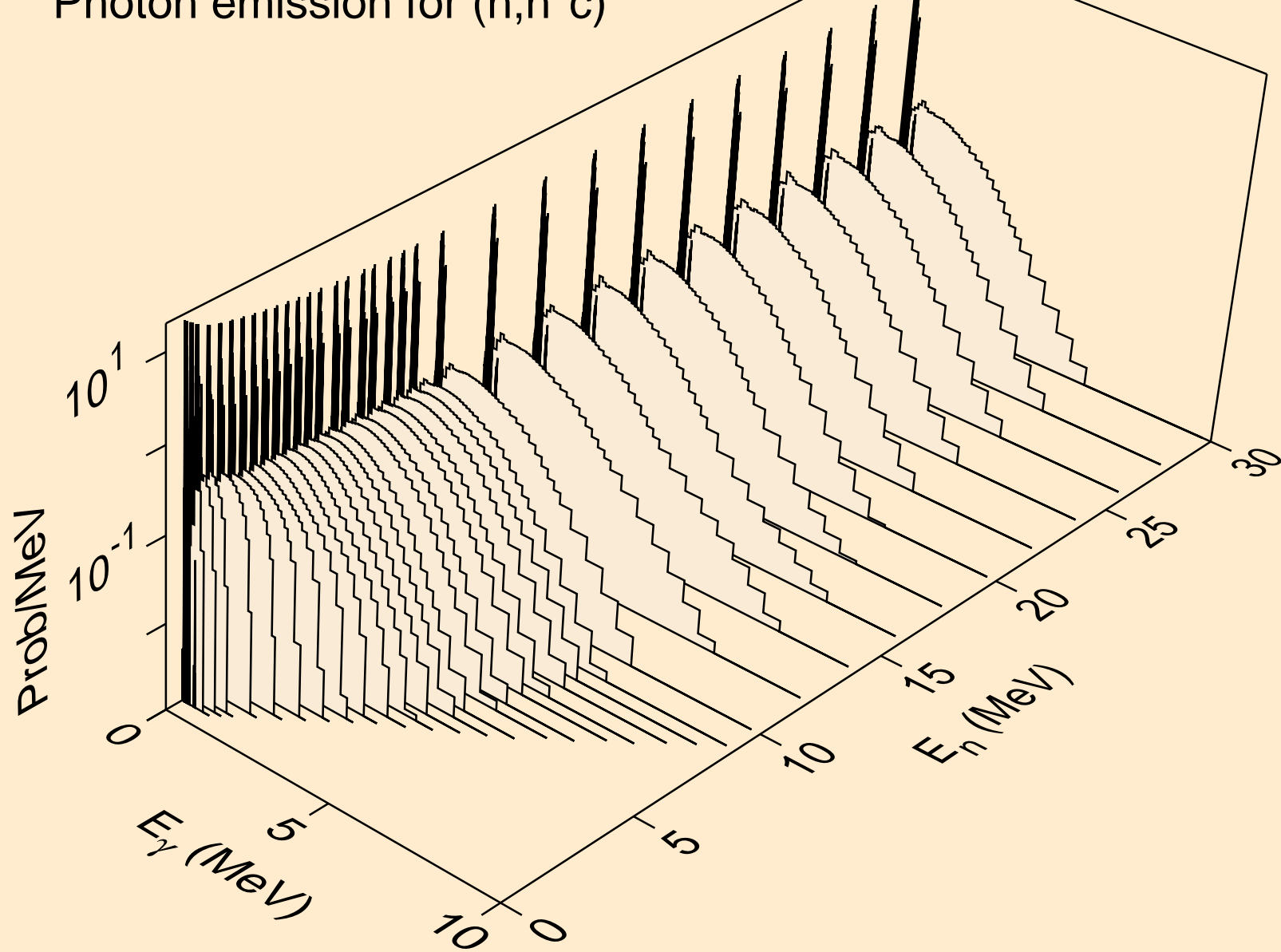


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Photon emission for (n,n\*16)

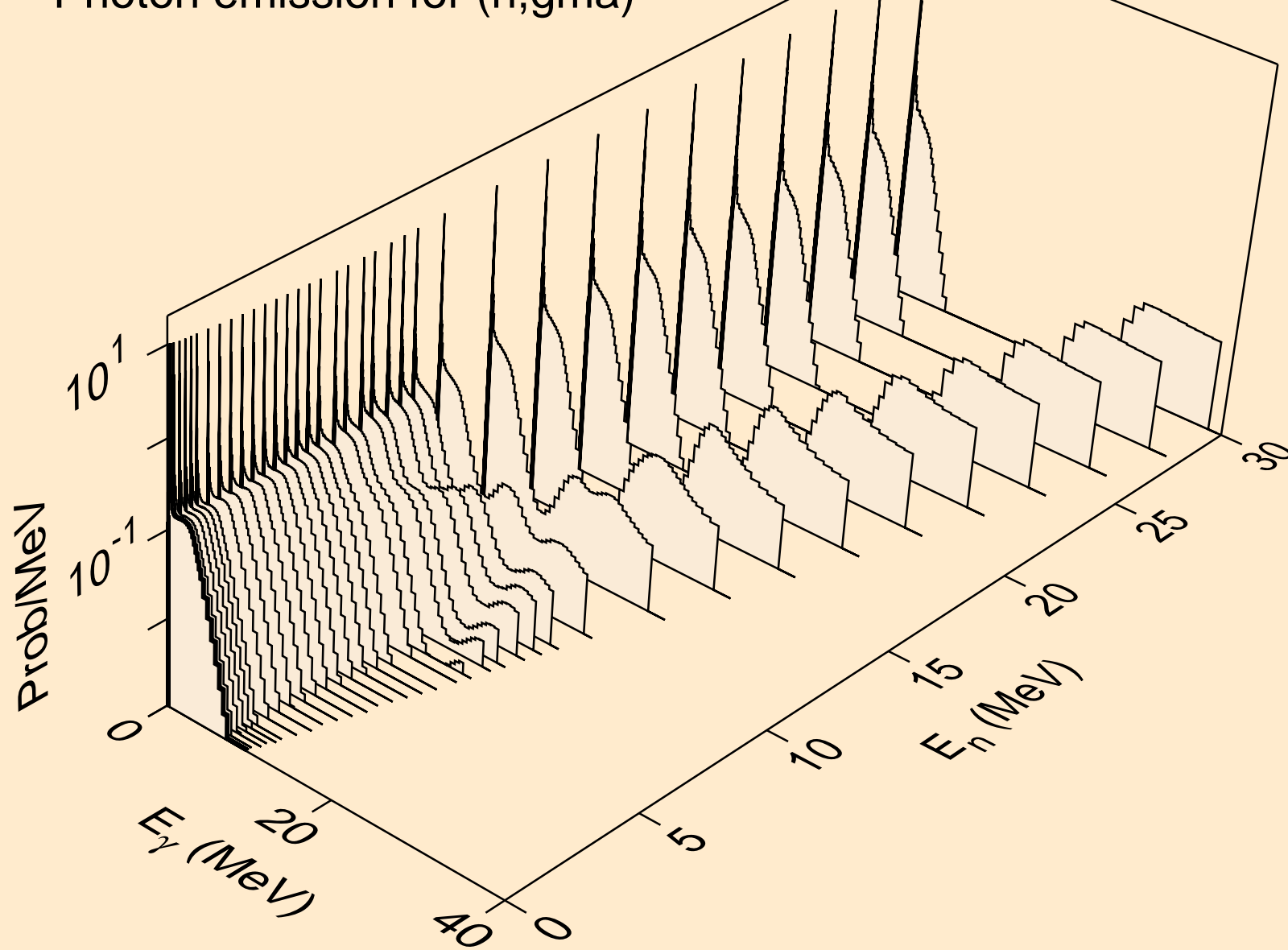




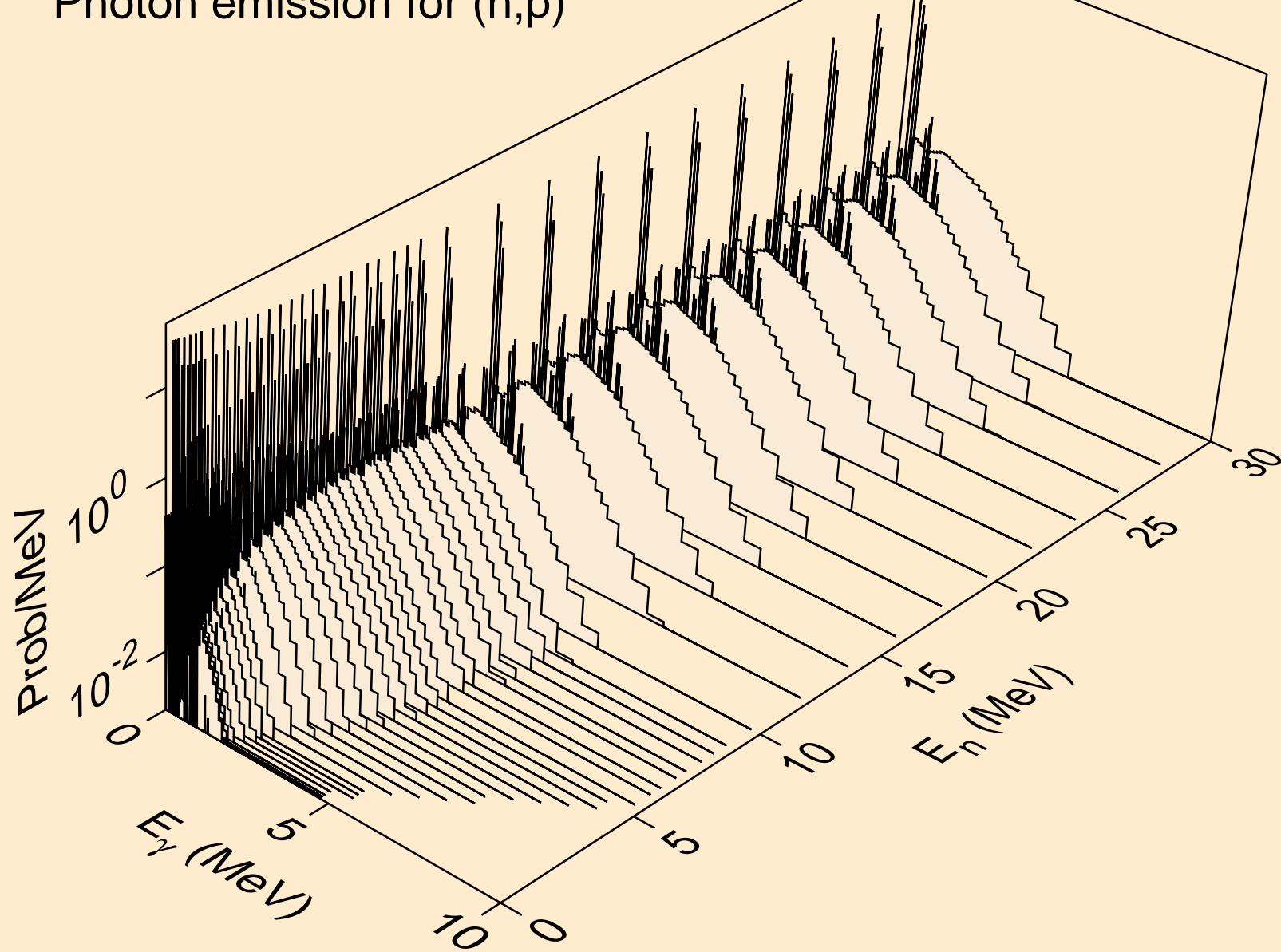
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Photon emission for (n,n\*c)



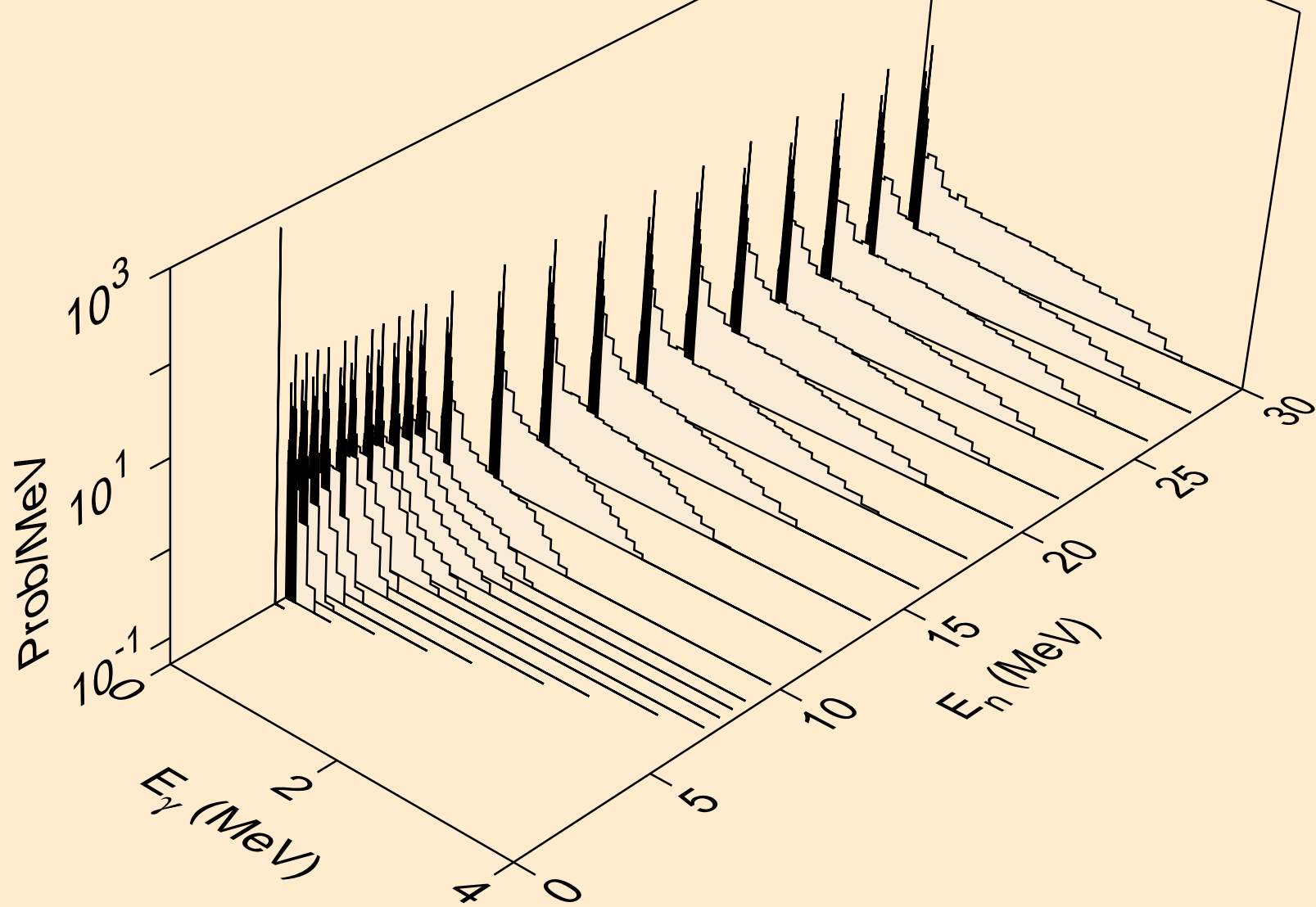
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Photon emission for (n,gma)



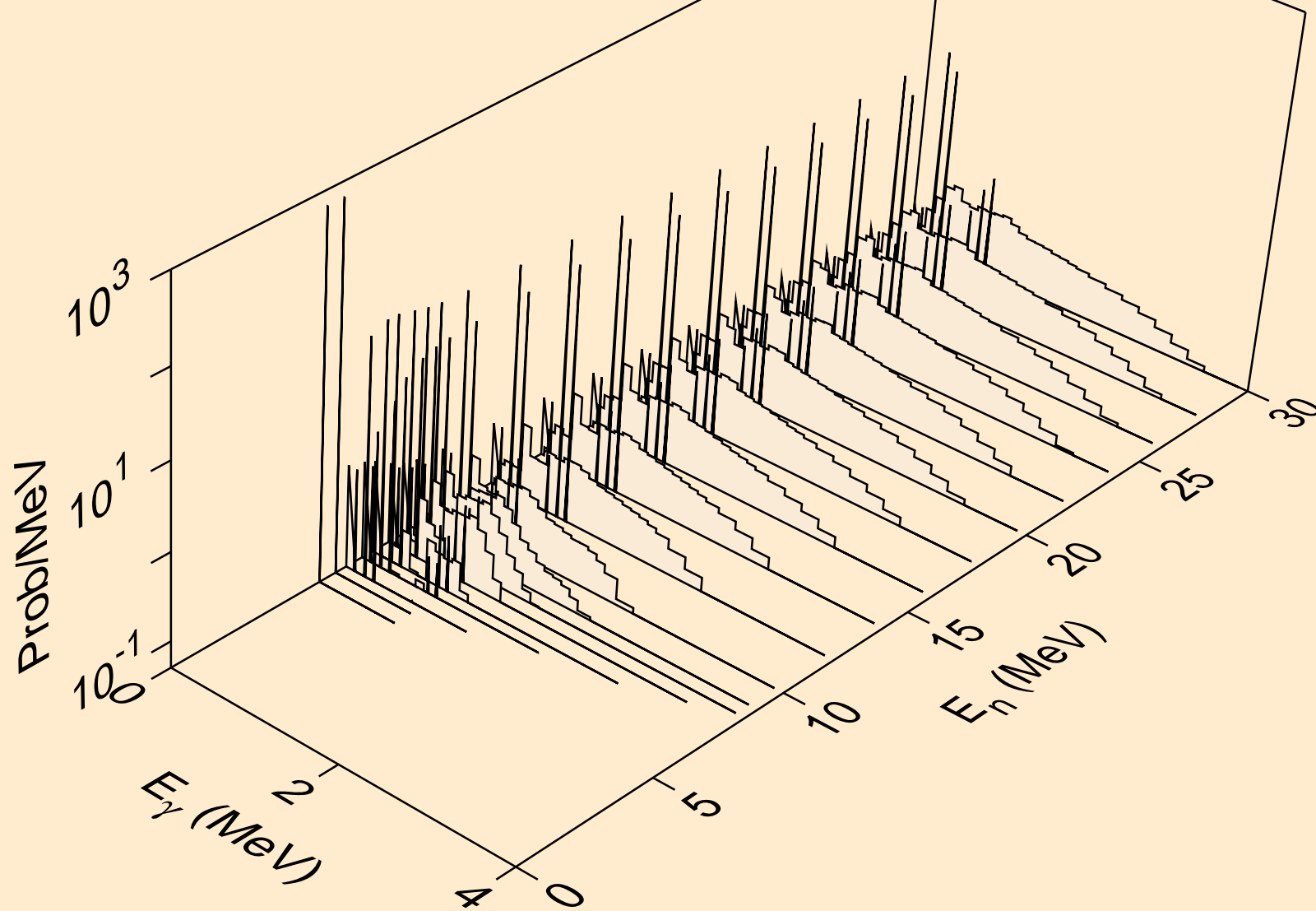
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Photon emission for (n,p)



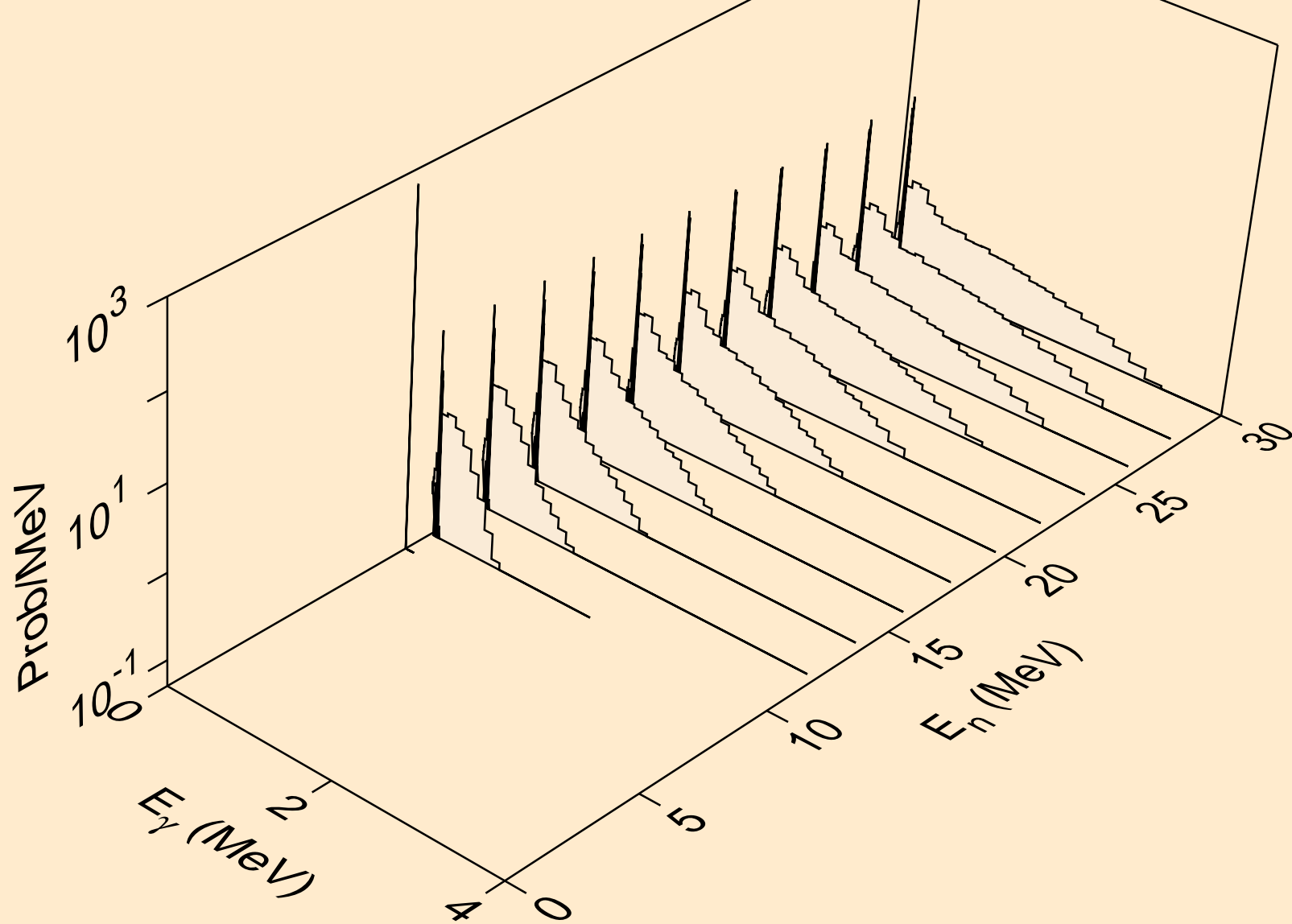
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Photon emission for (n,d)



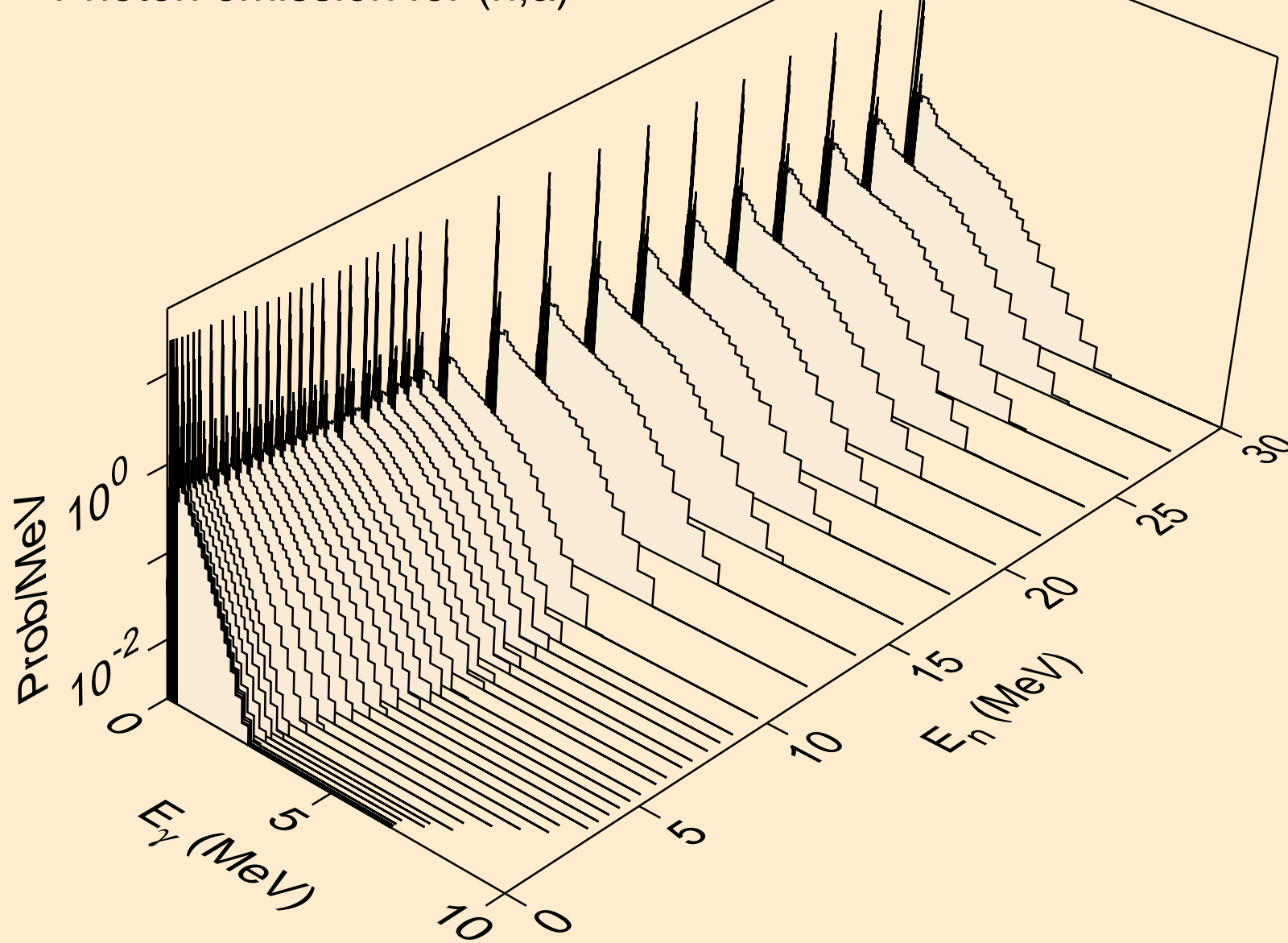
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Photon emission for (n,t)



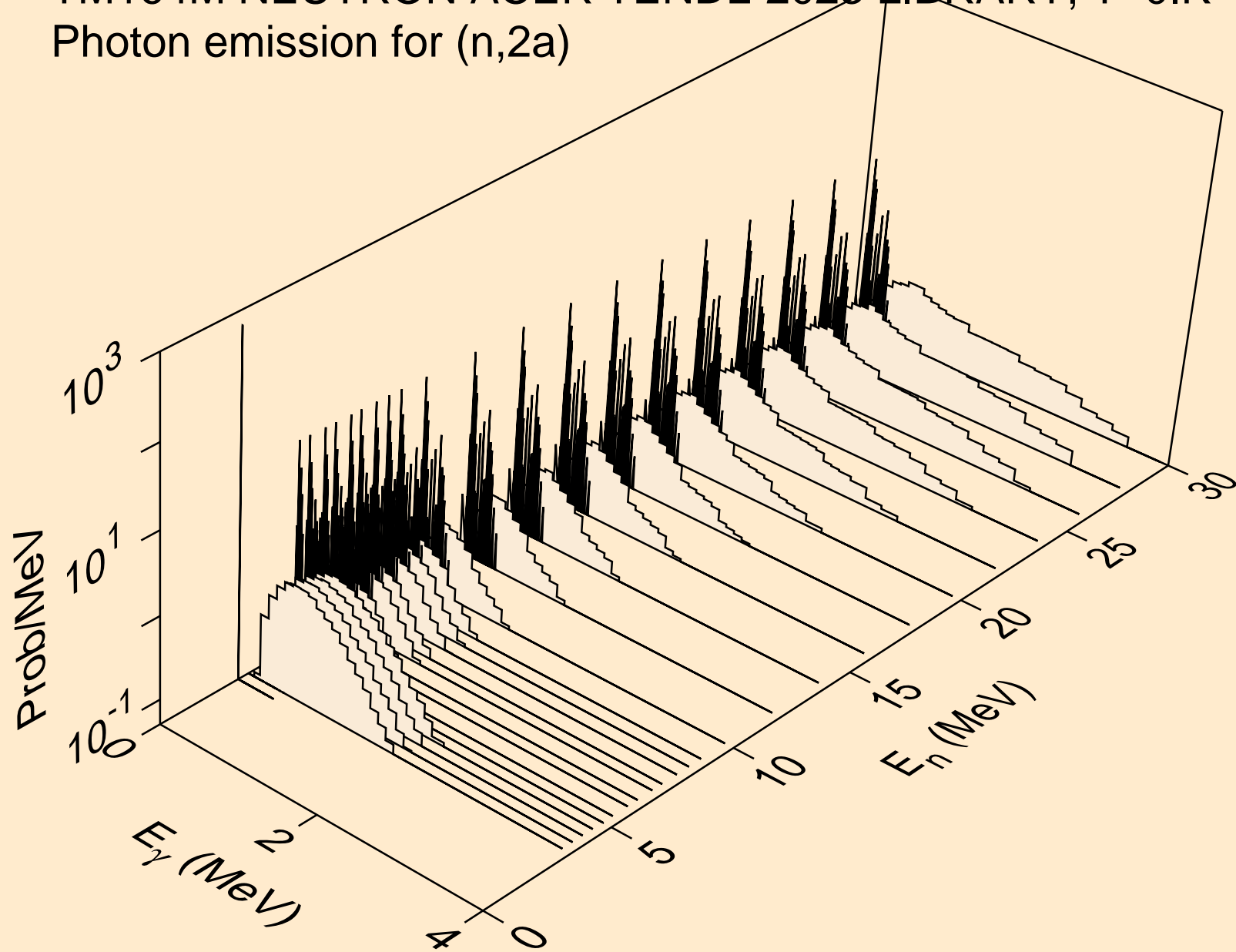
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Photon emission for (n,he3)



TM164M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)

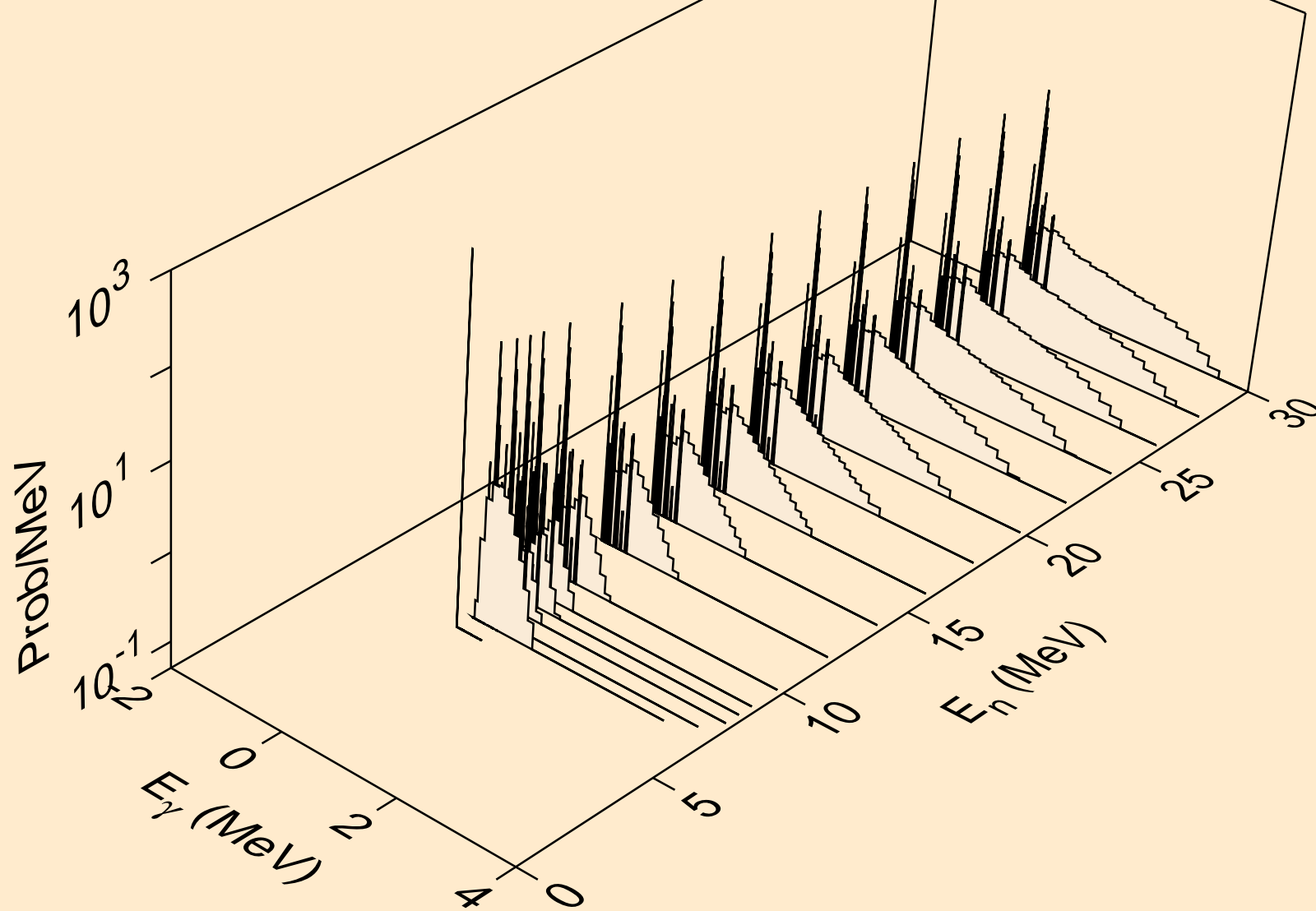


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Photon emission for (n,2a)

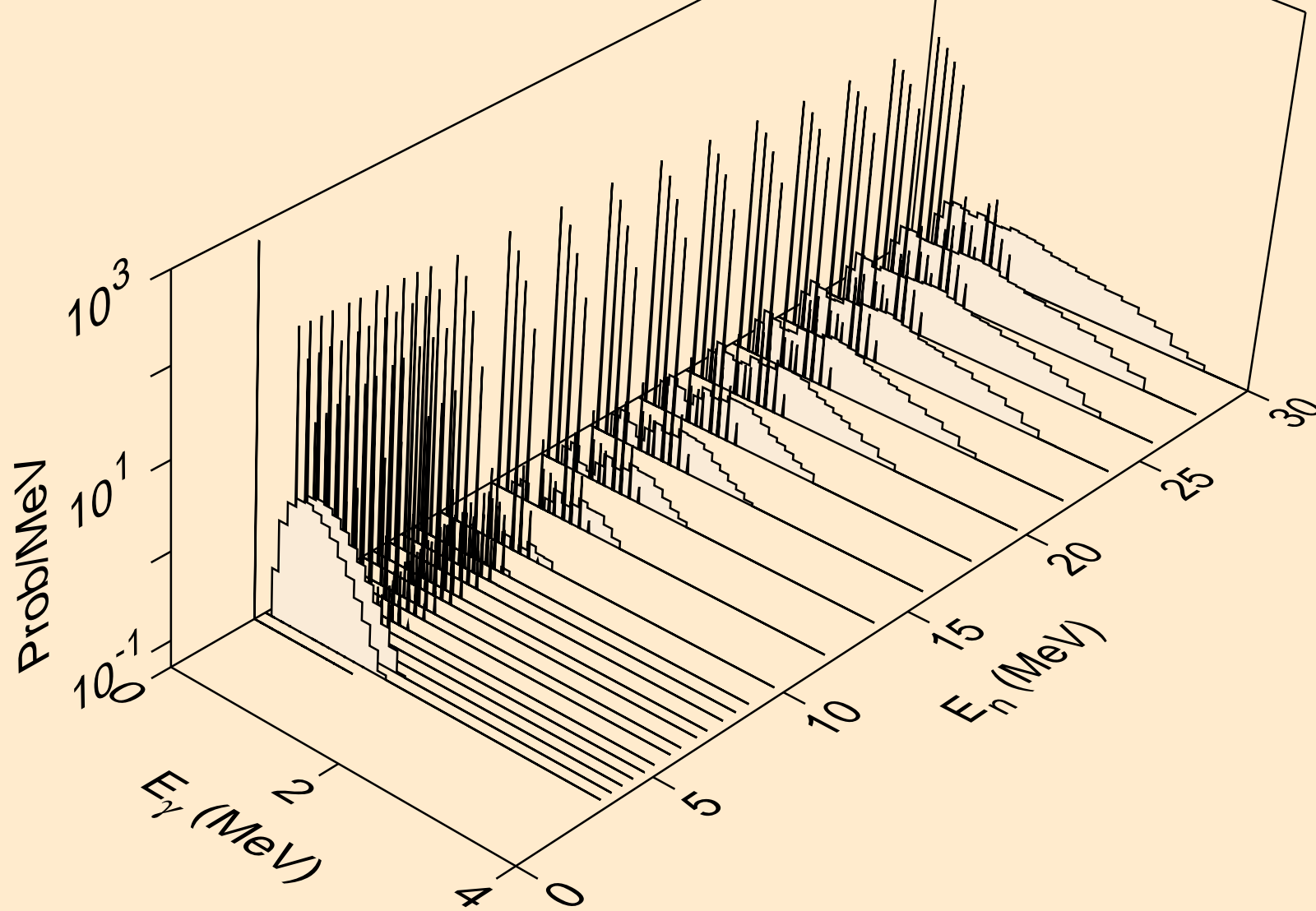




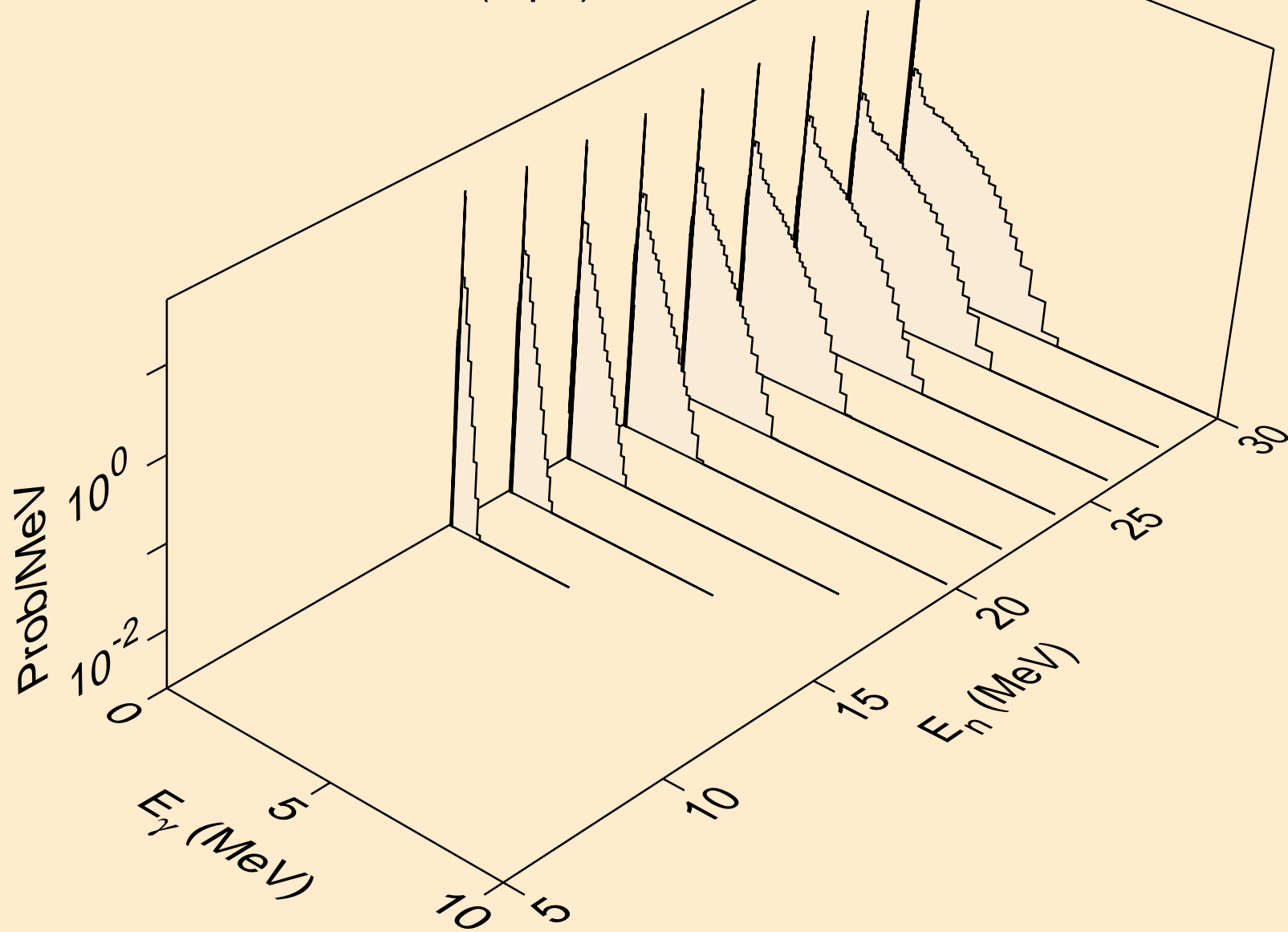
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Photon emission for (n,2p)



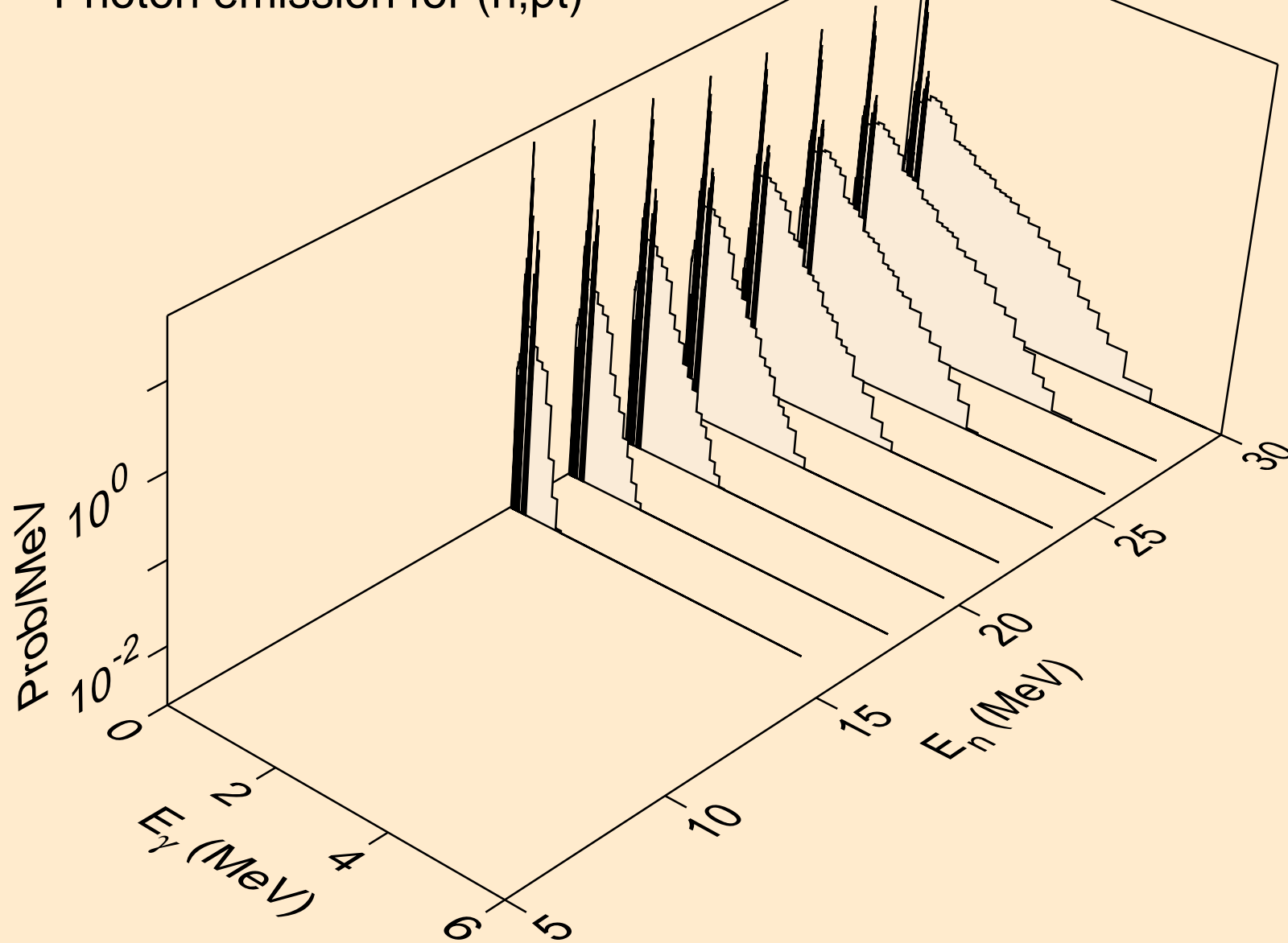
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Photon emission for (n,p)



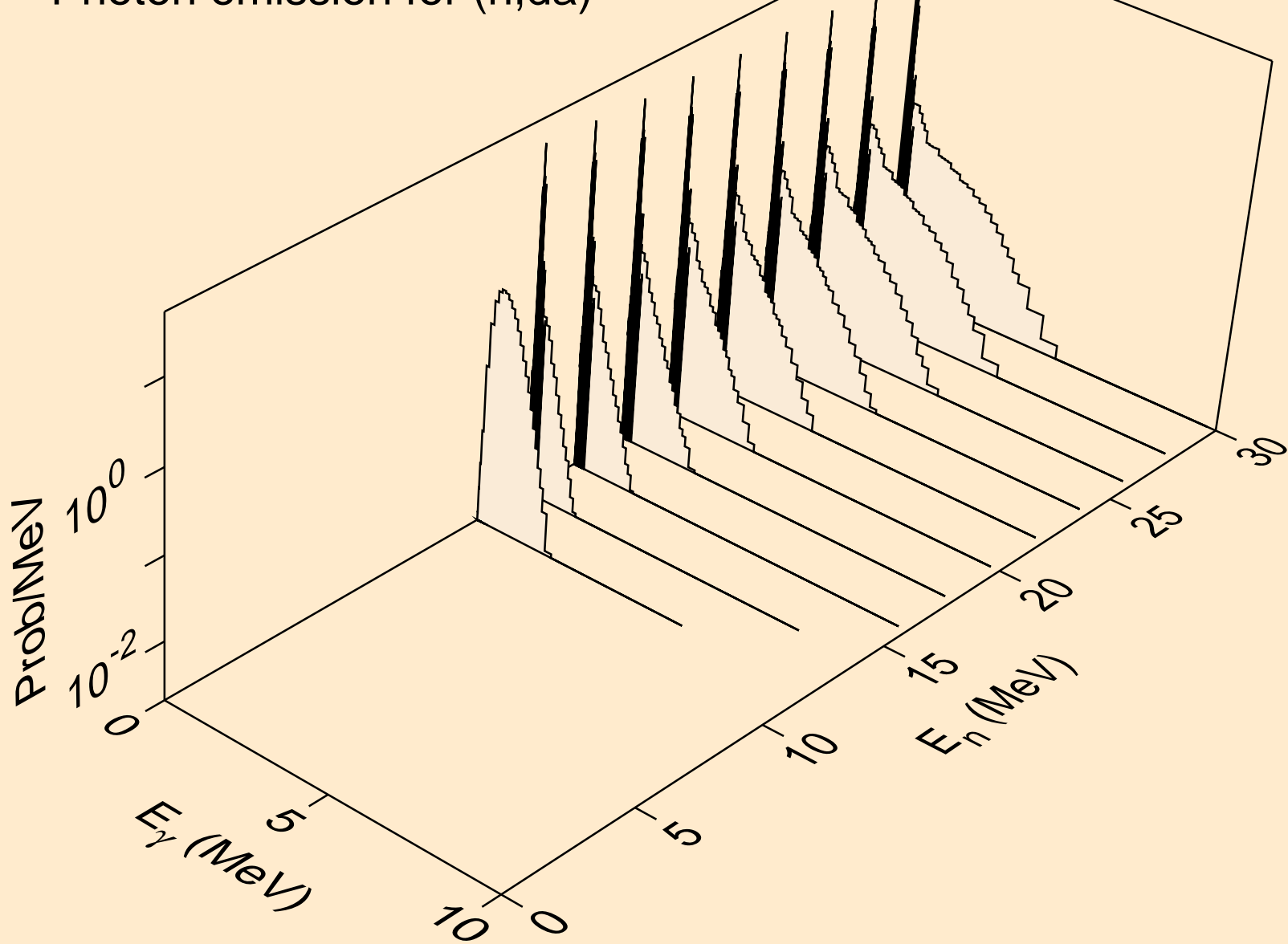
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Photon emission for (n,pd)



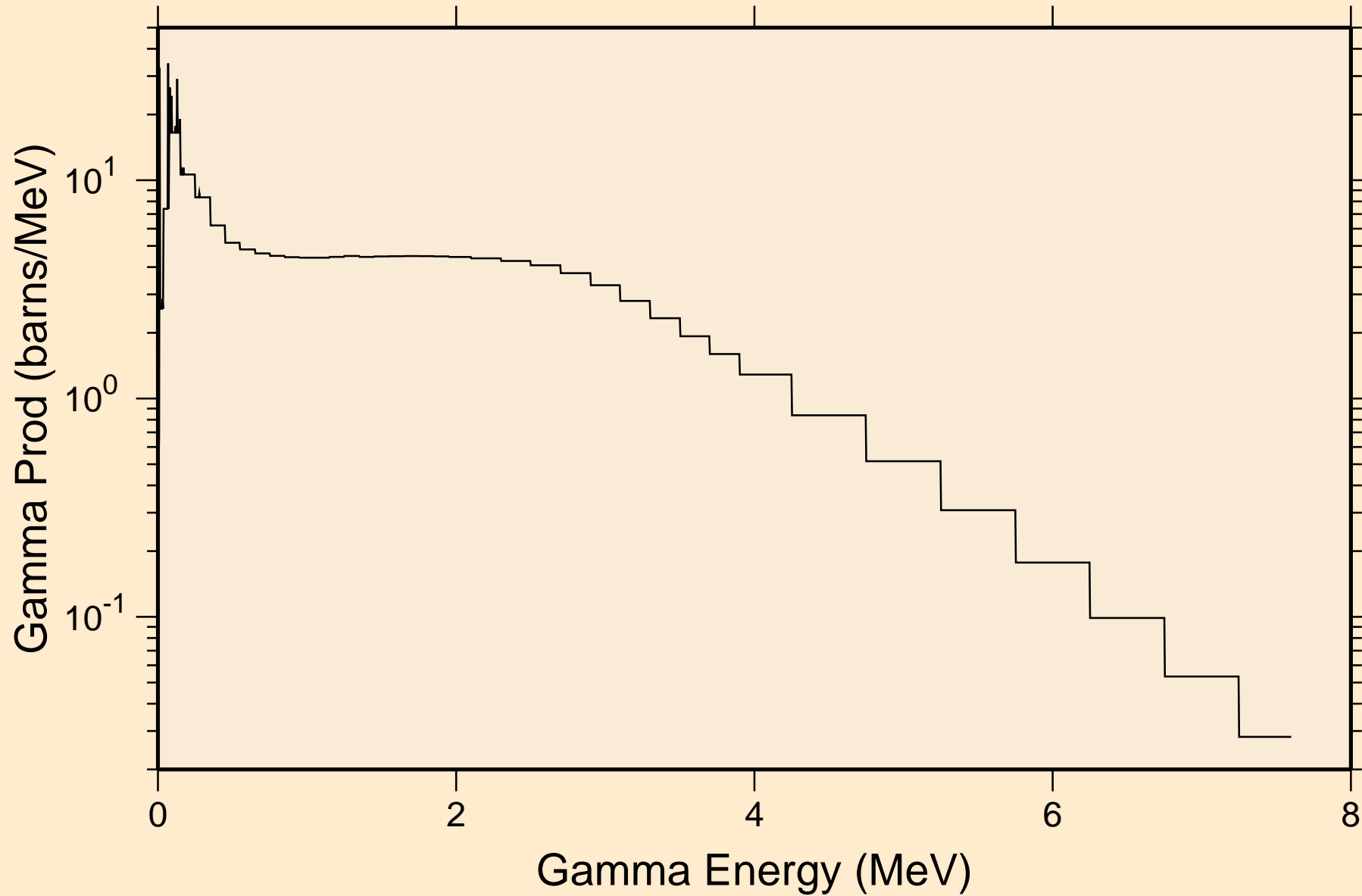
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Photon emission for (n,pt)



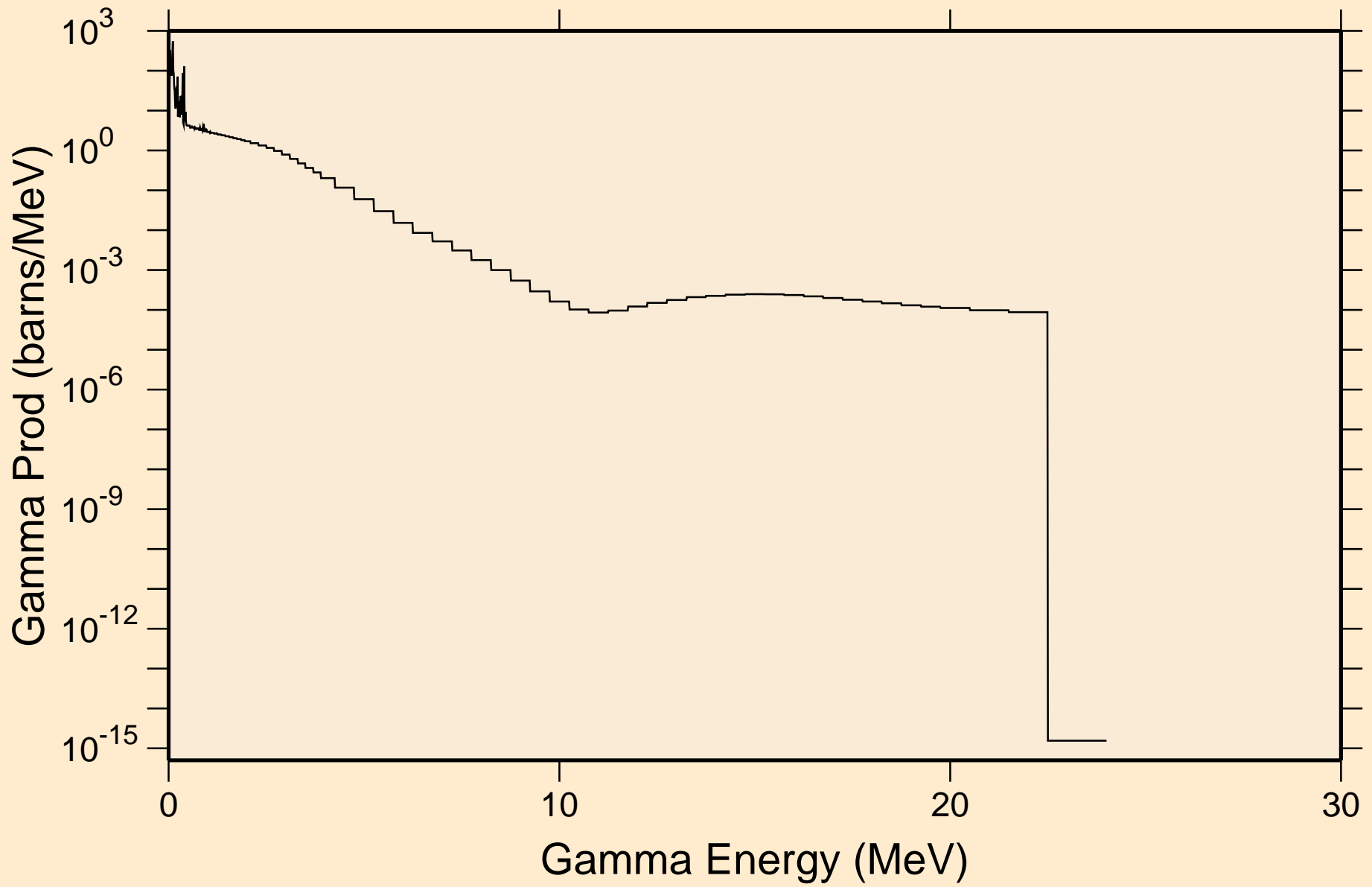
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Photon emission for (n,da)



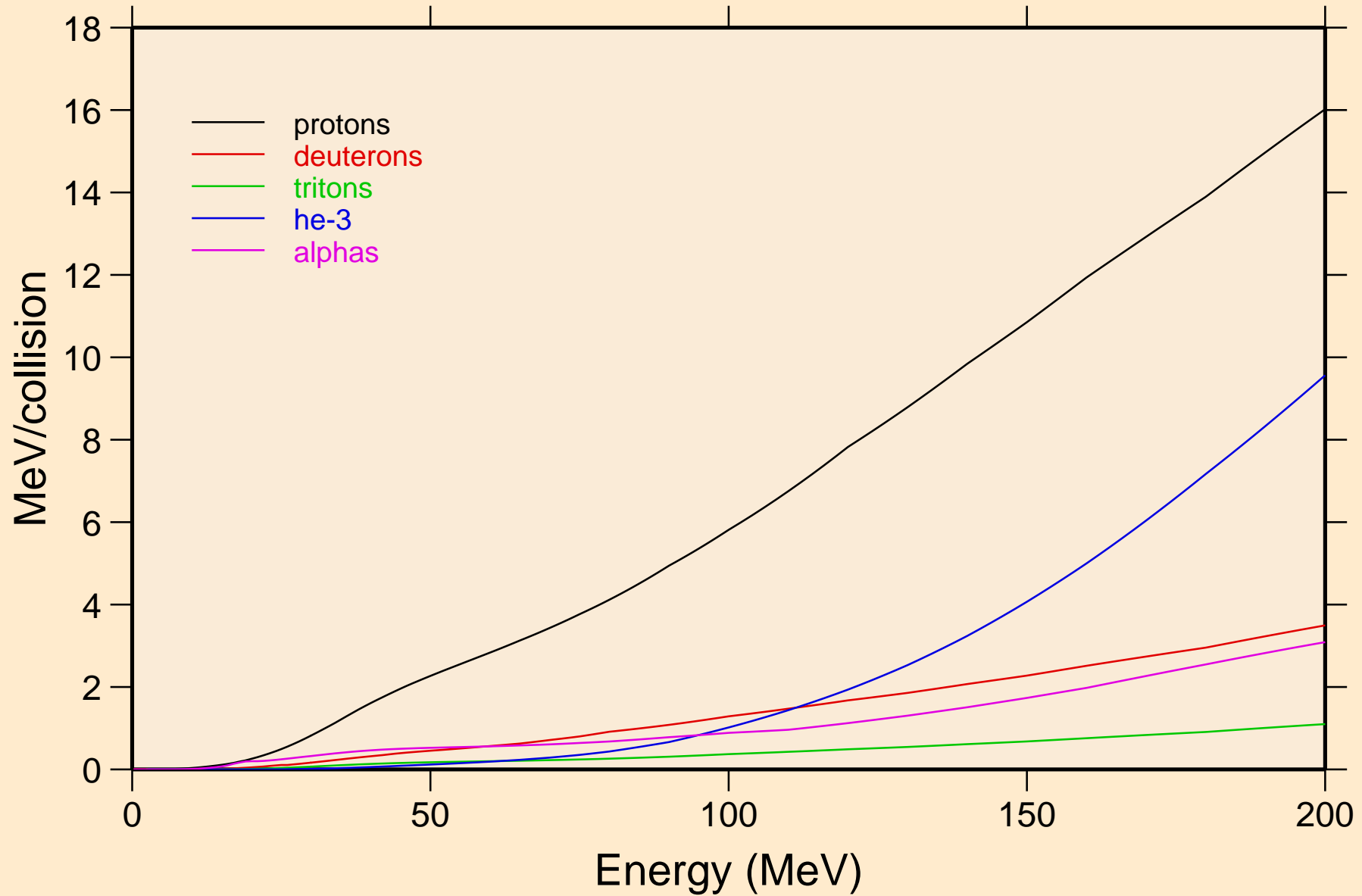
TM164M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
thermal capture photon spectrum



TM164M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
14 MeV photon spectrum

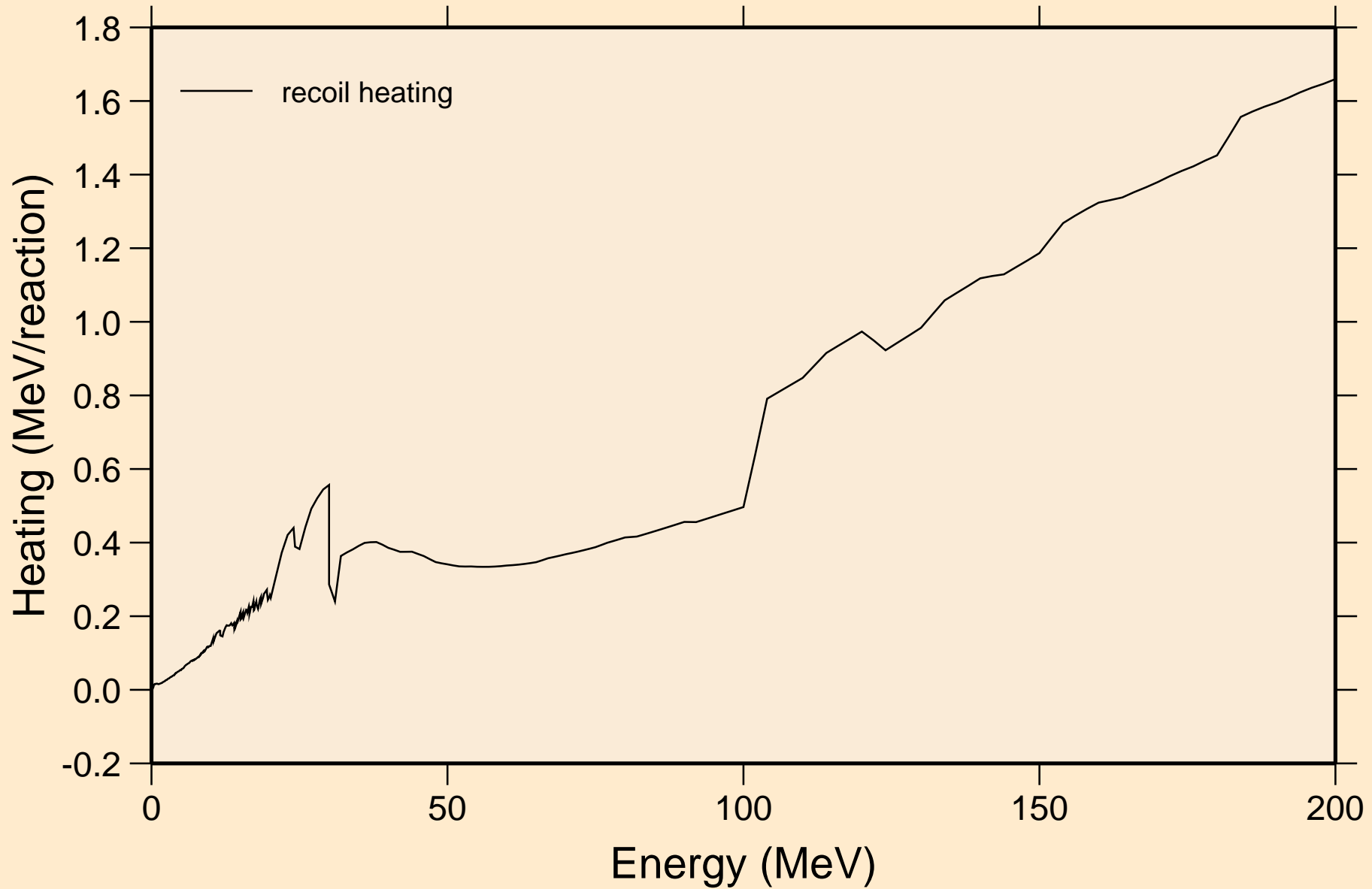


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Particle heating contributions

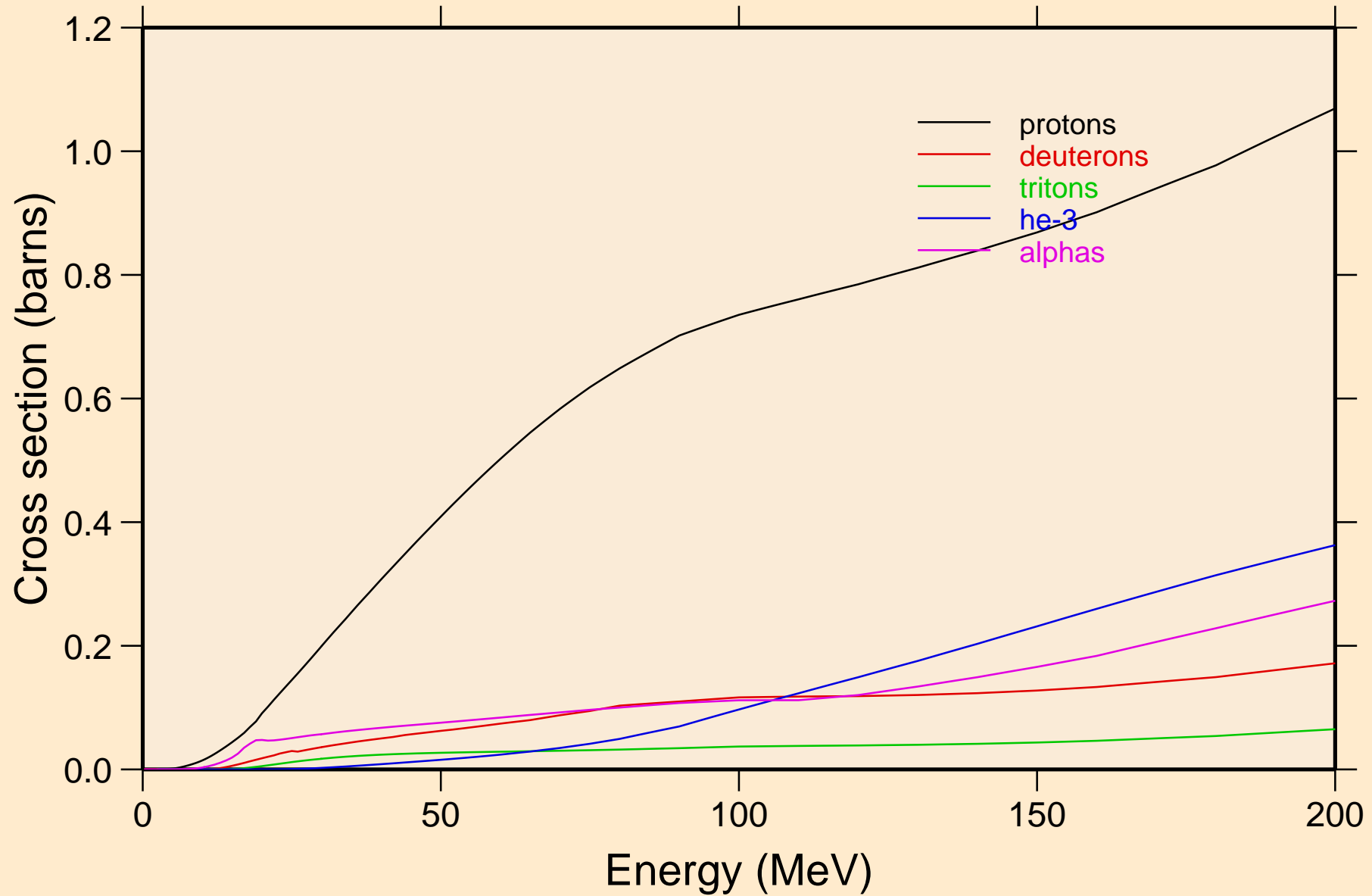




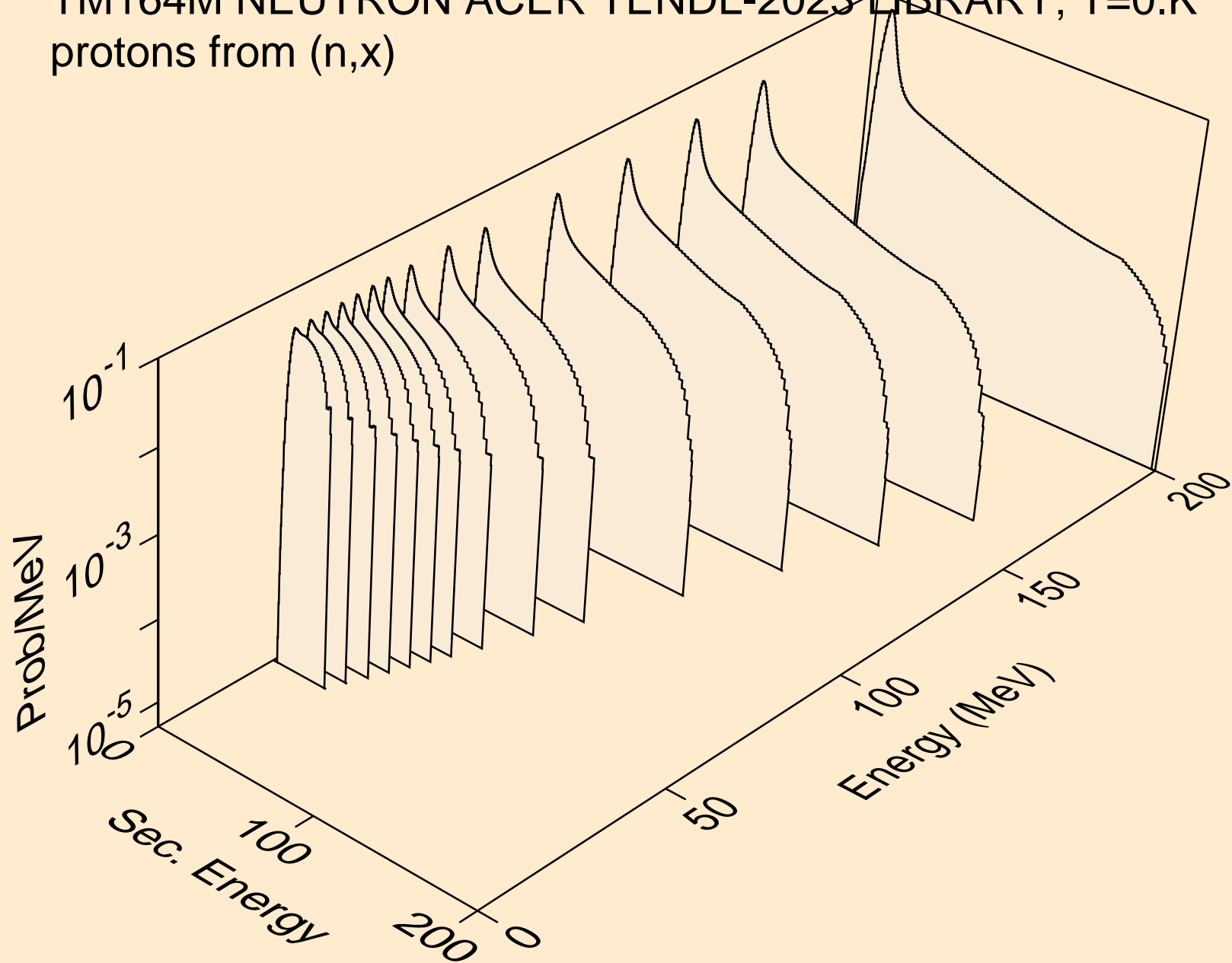
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Recoil Heating



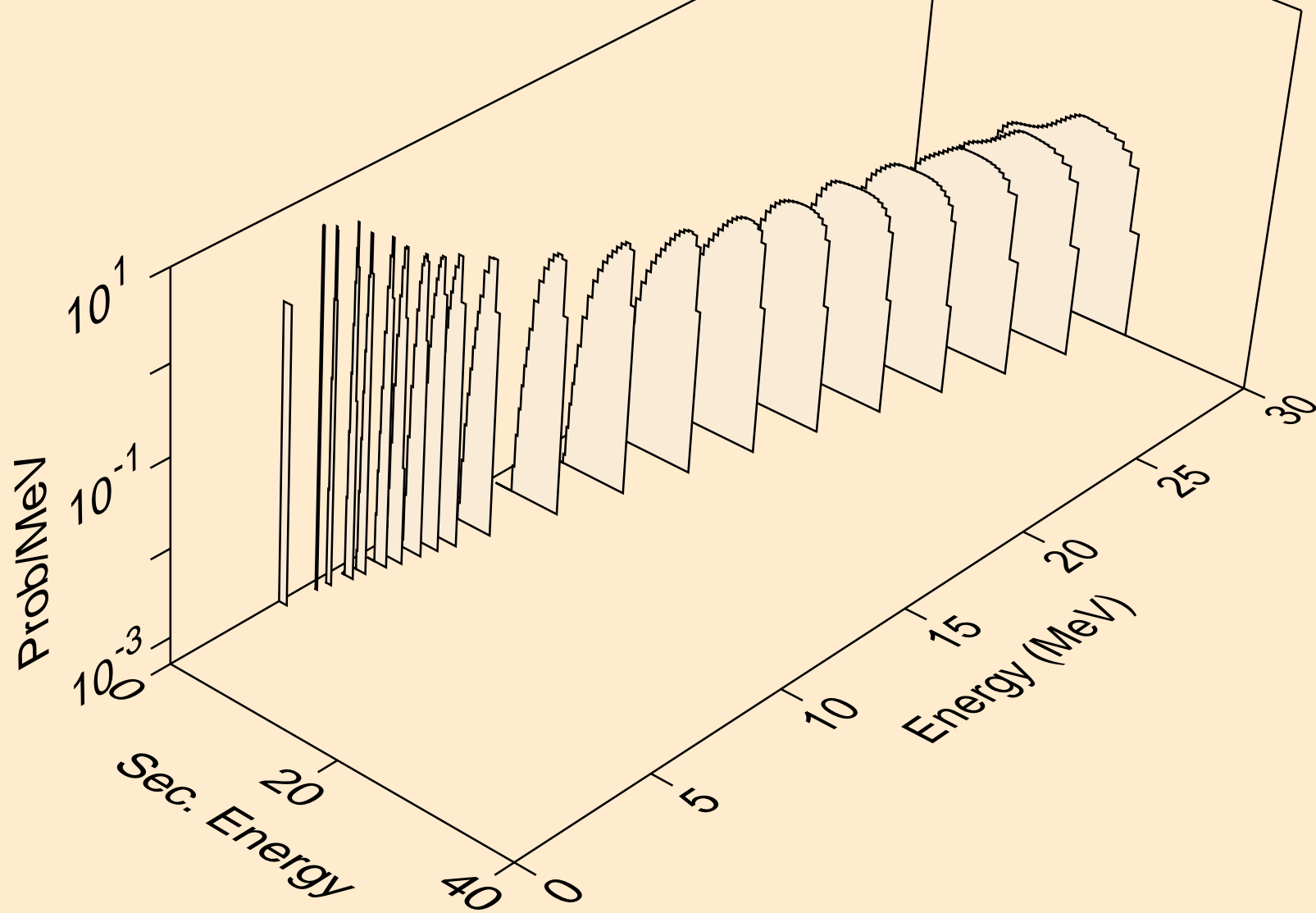
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Particle production cross sections



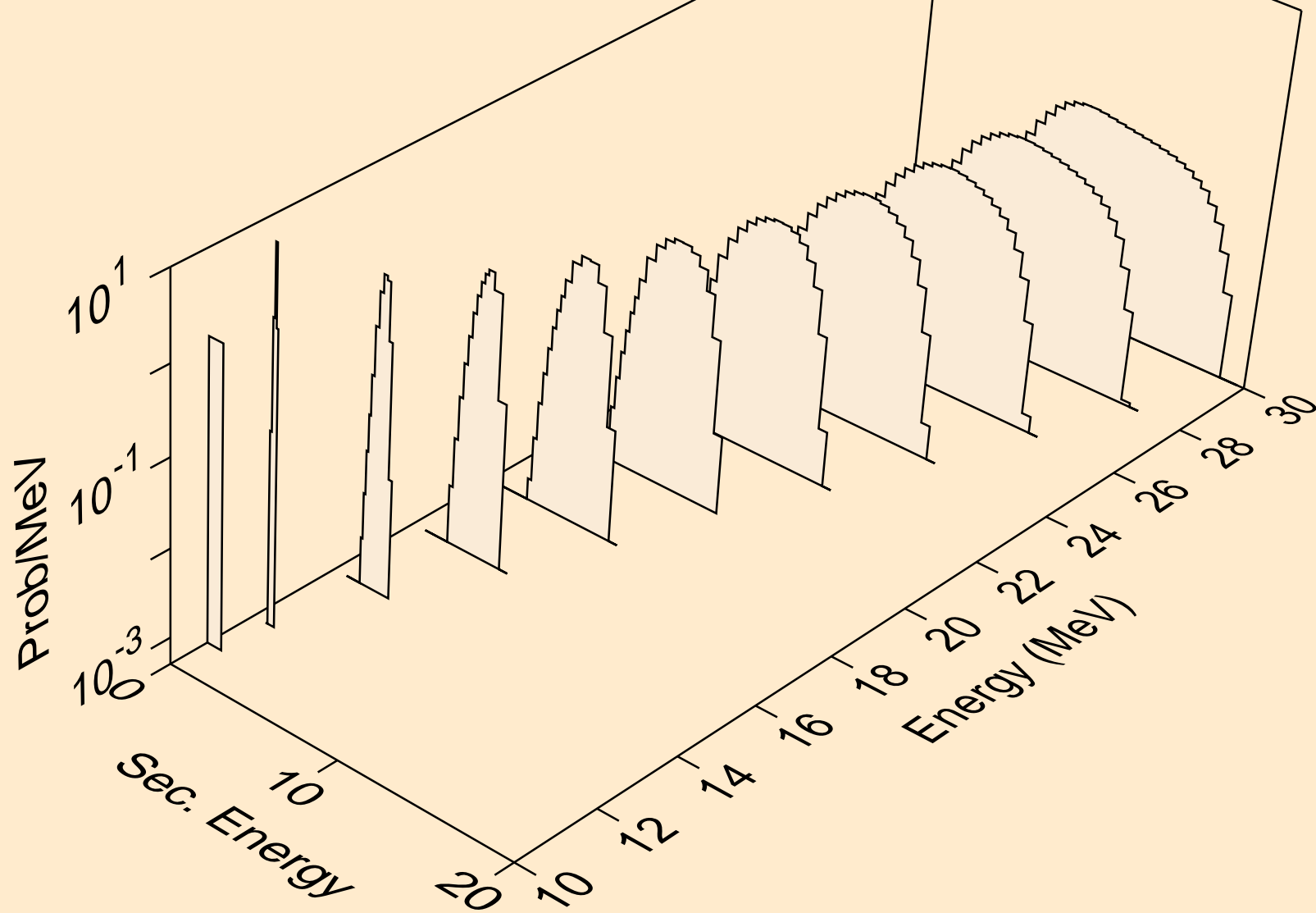
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protons from (n,x)



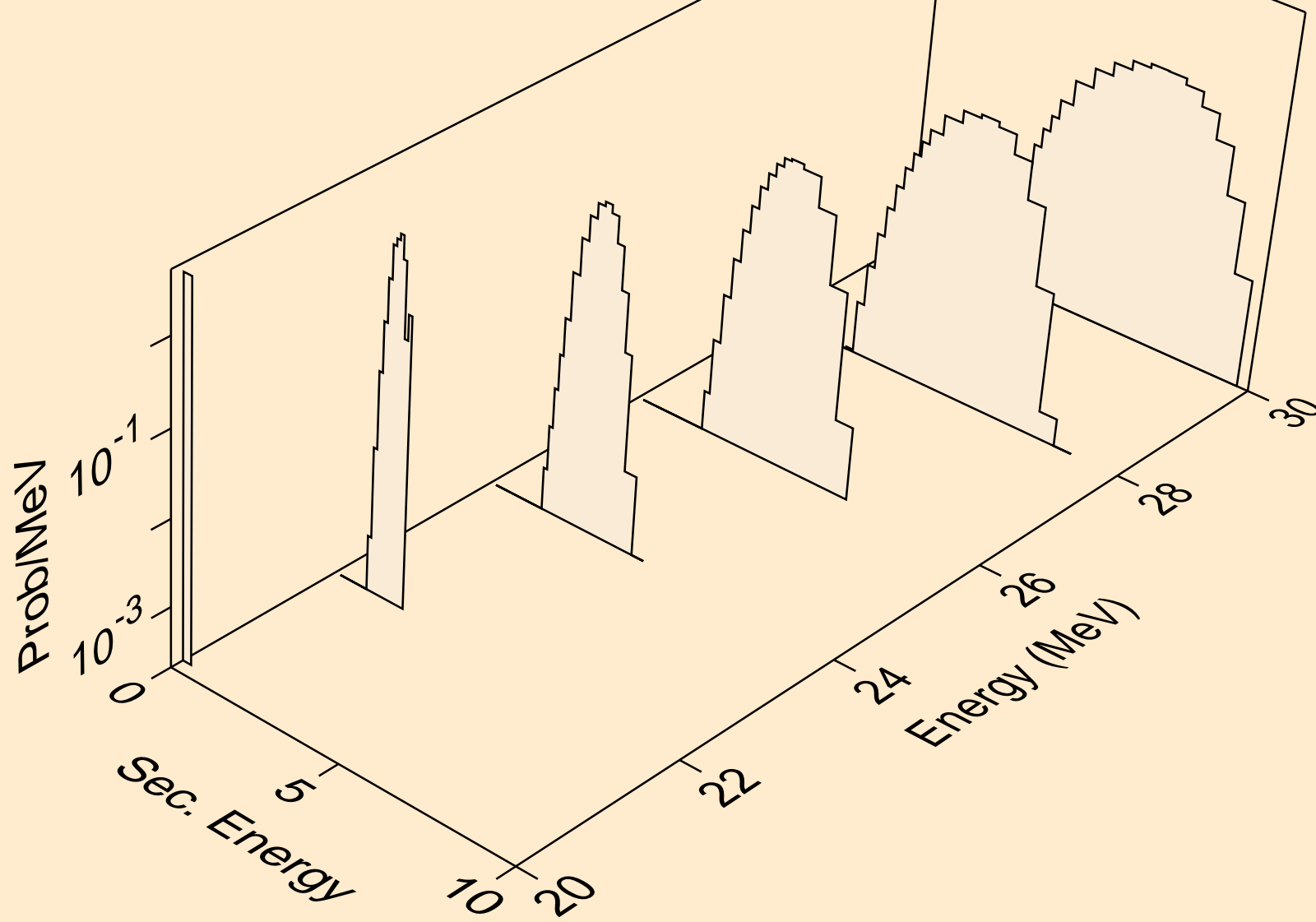
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protons from (n,n\*)p



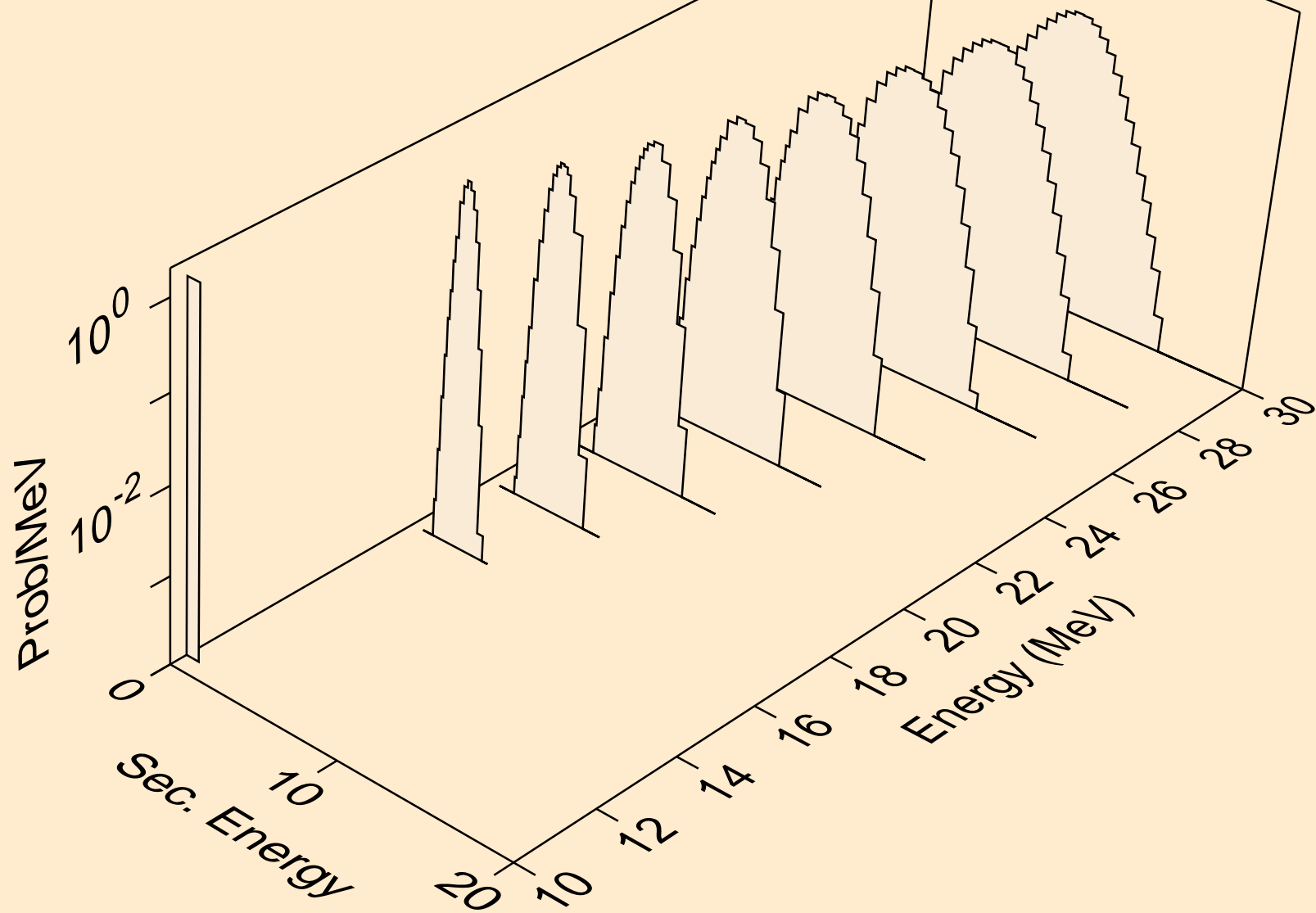
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protons from (n,2np)



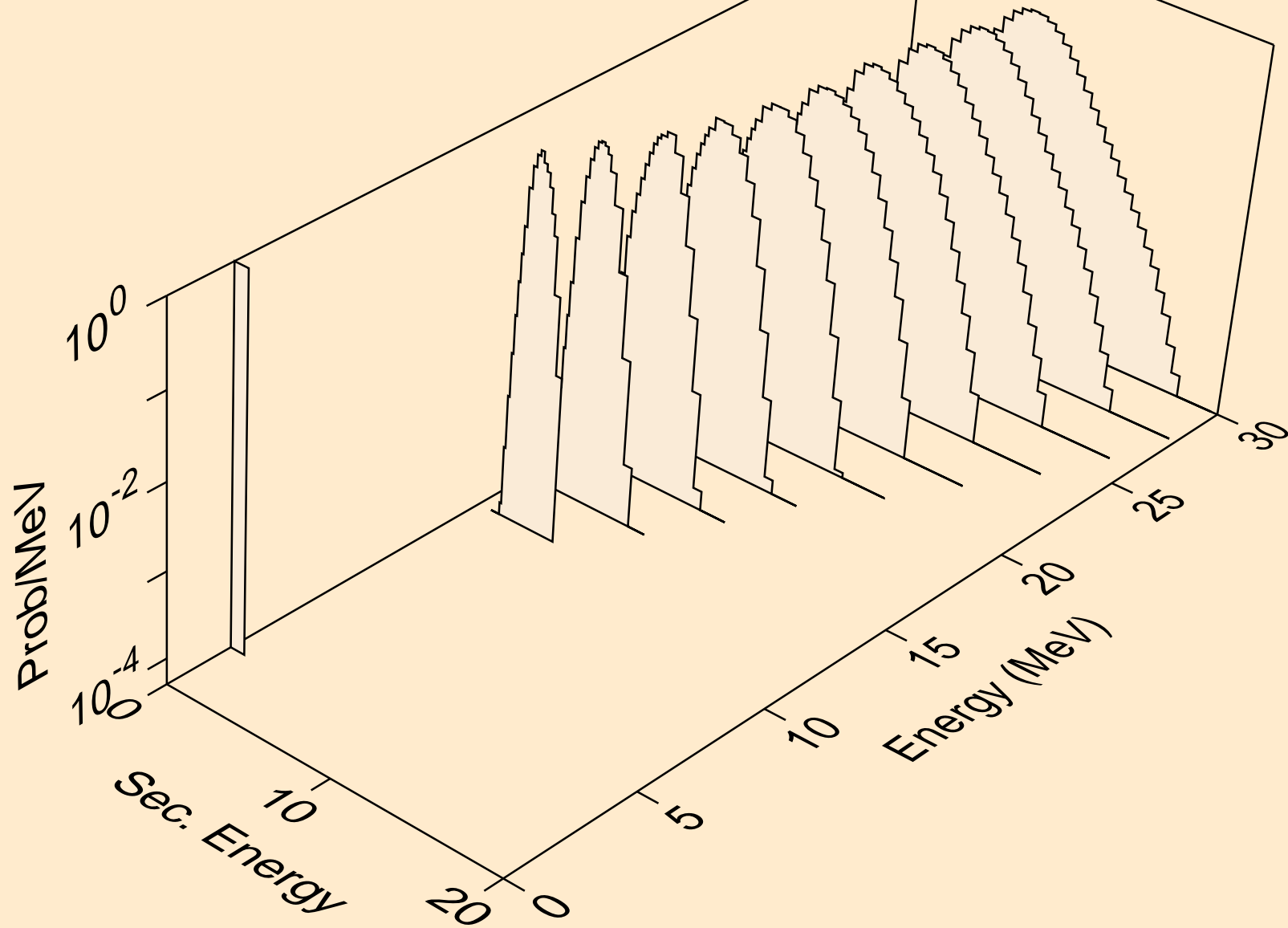
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protons from (n,3np)



TM164M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n2p)

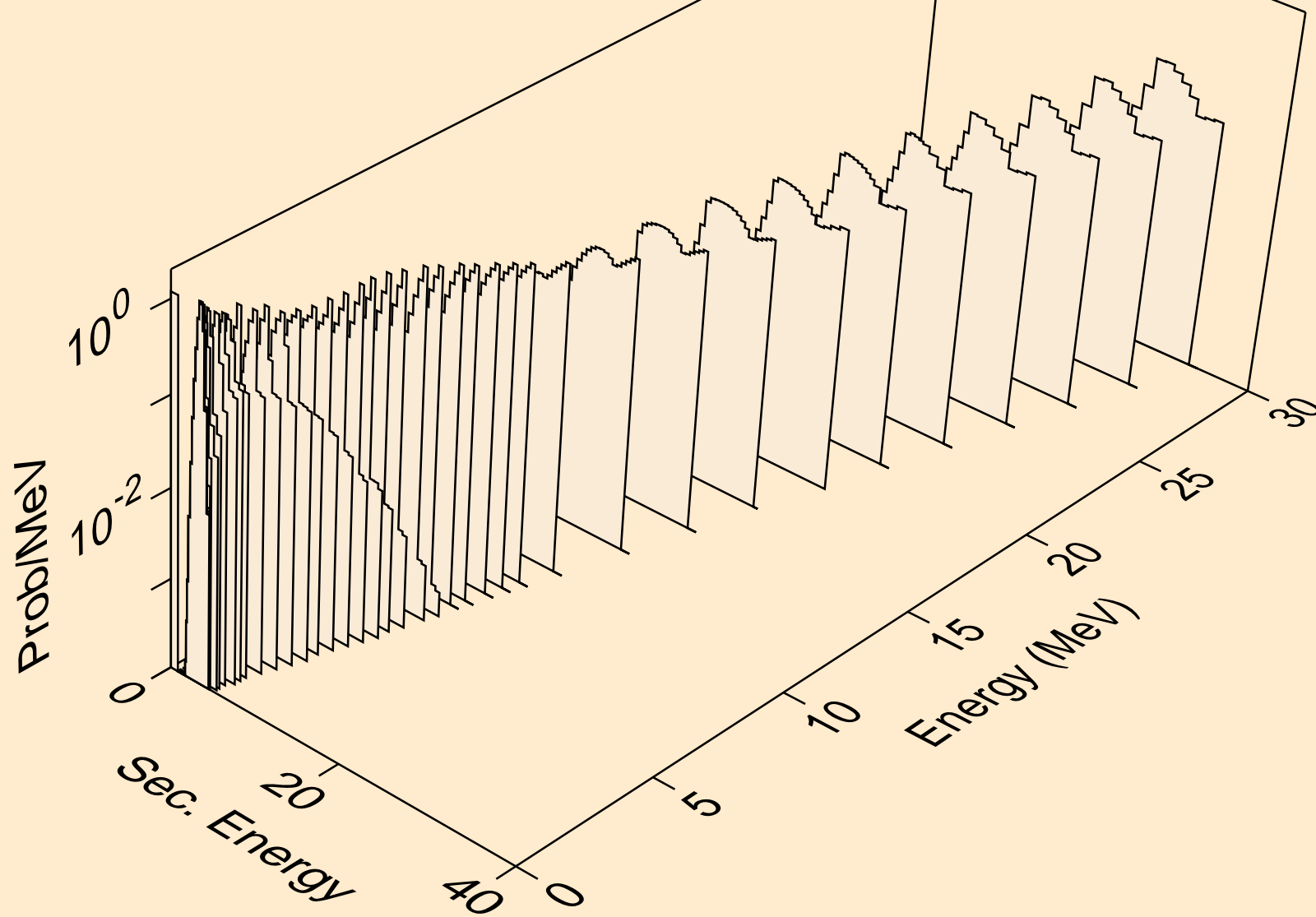


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protons from (n,npa)

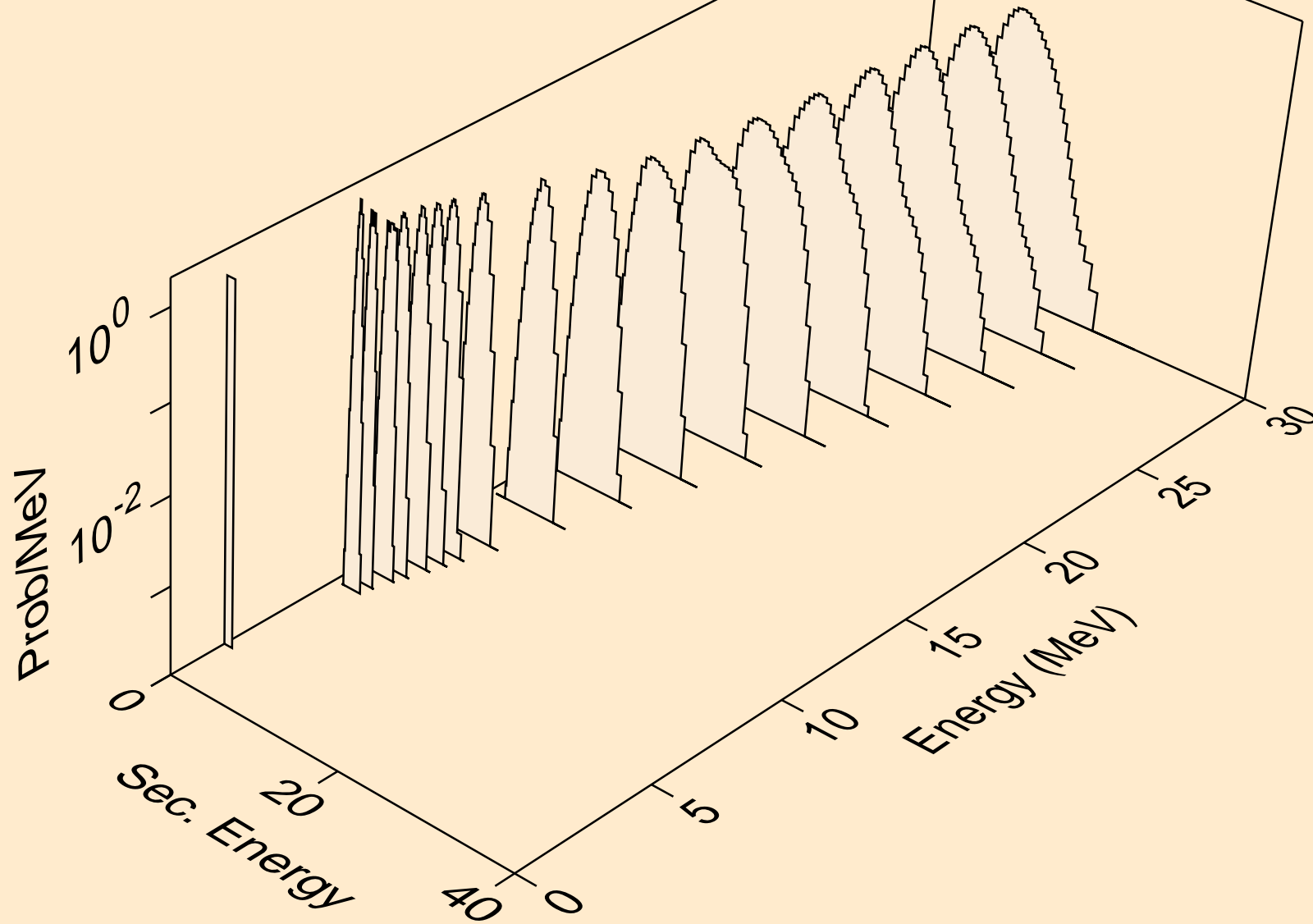




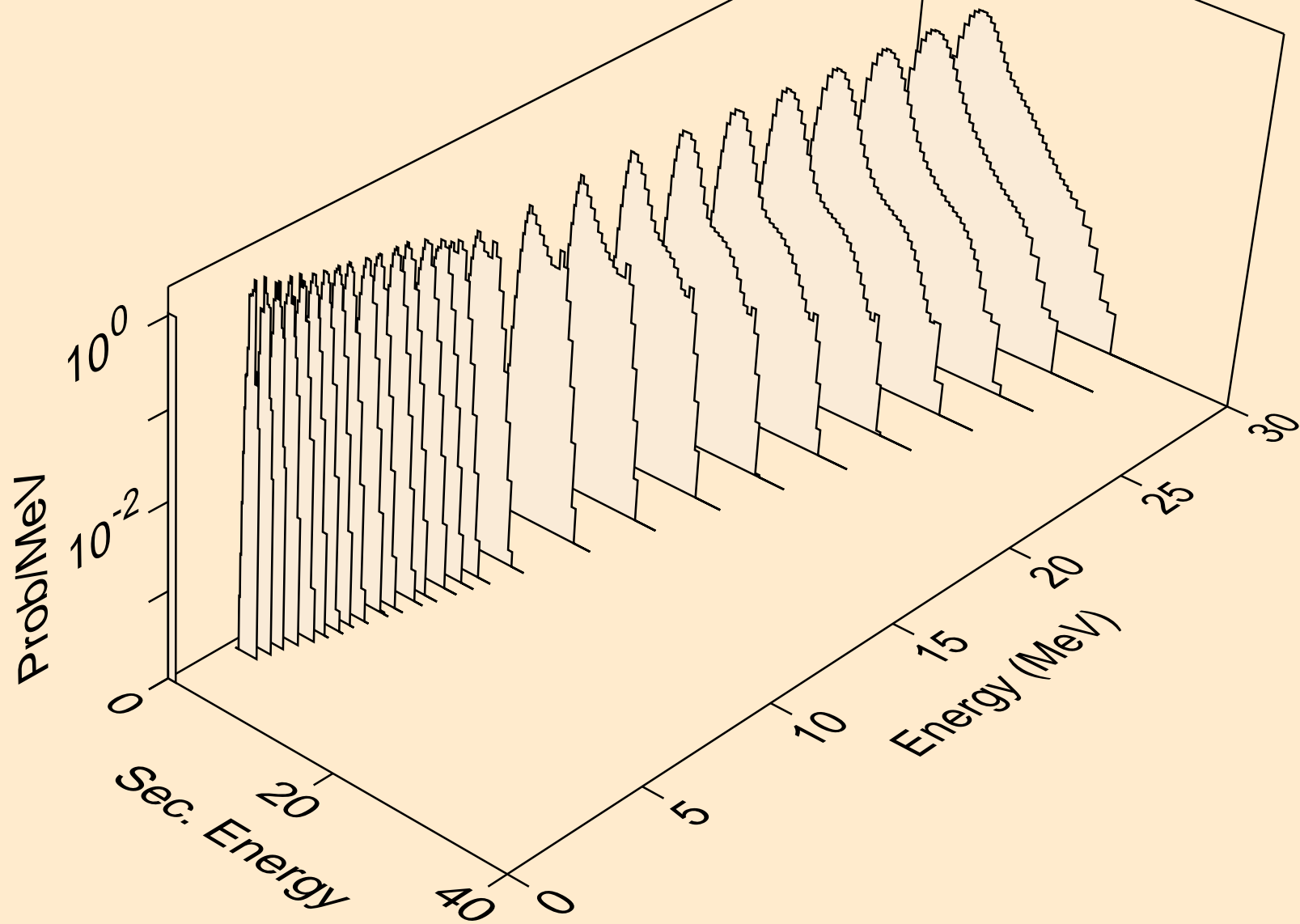
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protons from (n,p)



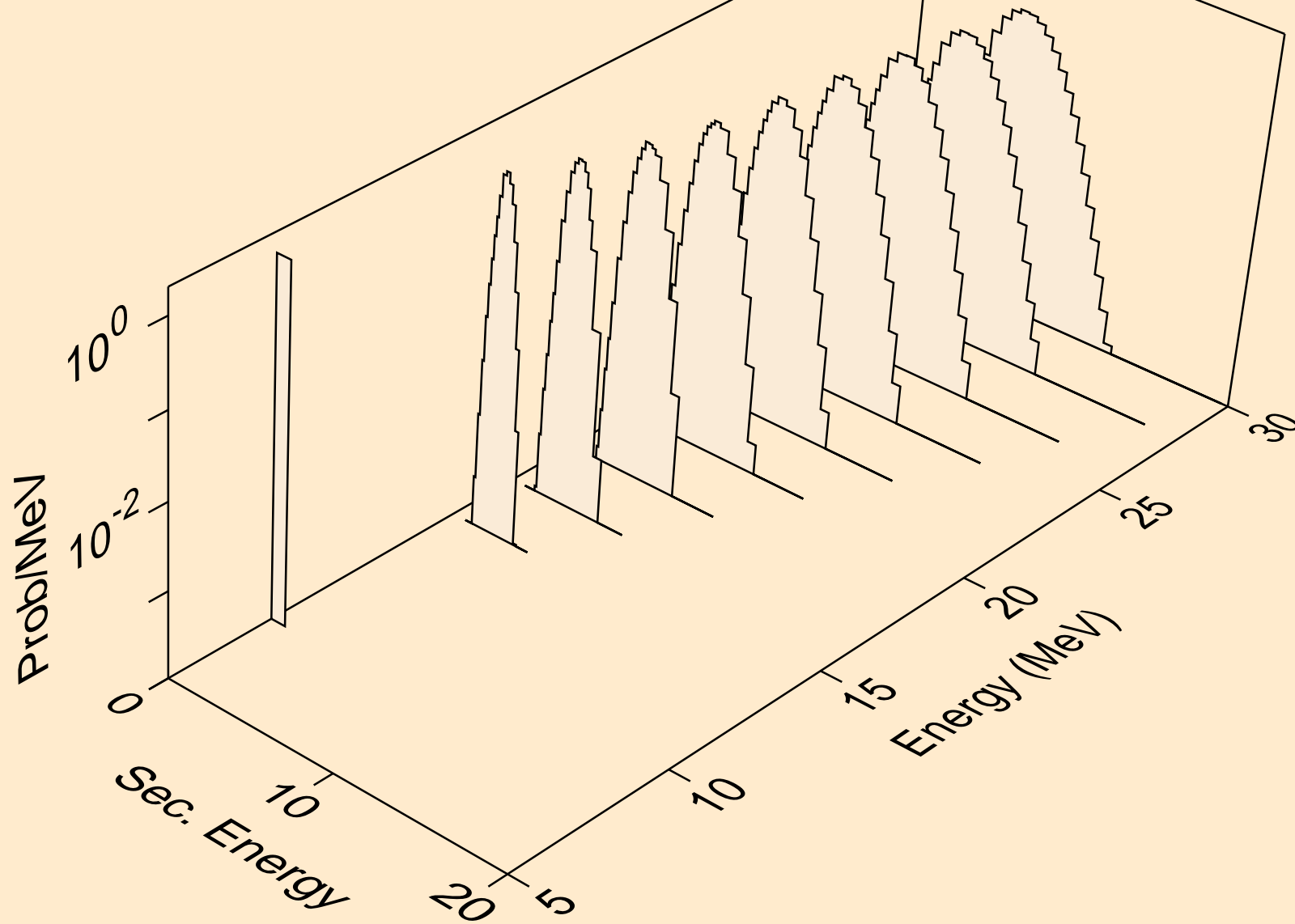
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protons from (n,2p)



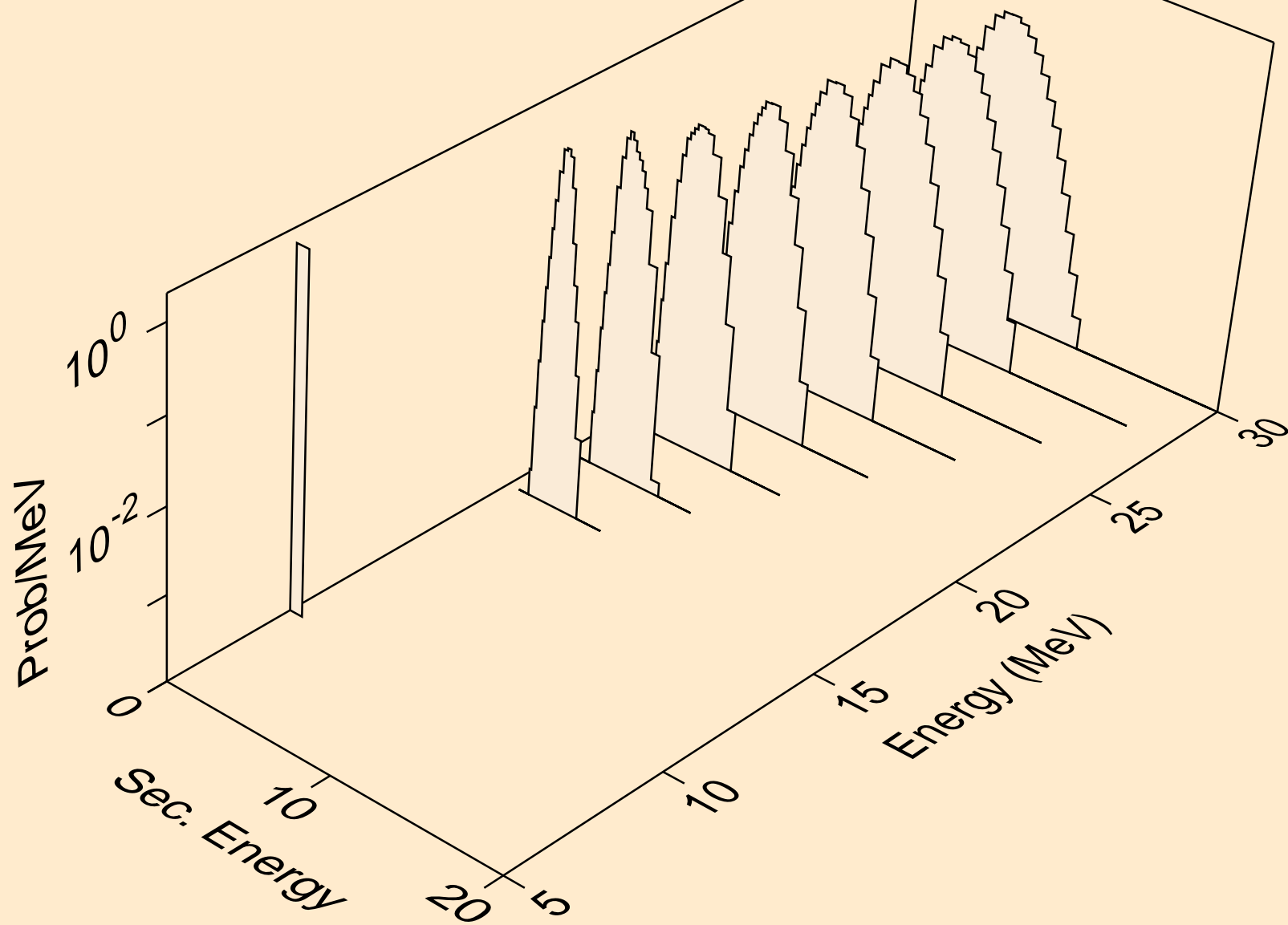
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protons from (n,p)



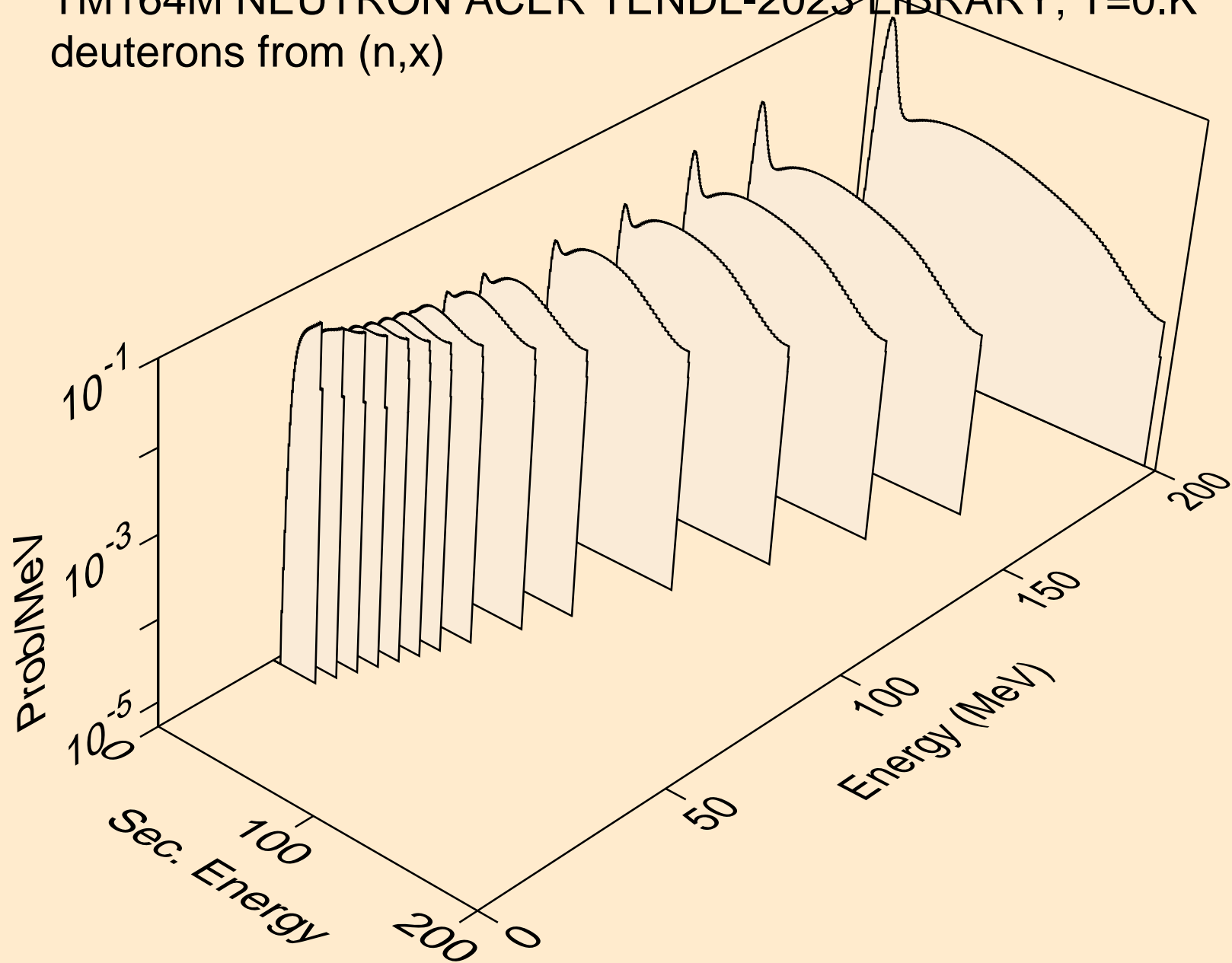
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protons from (n,pd)



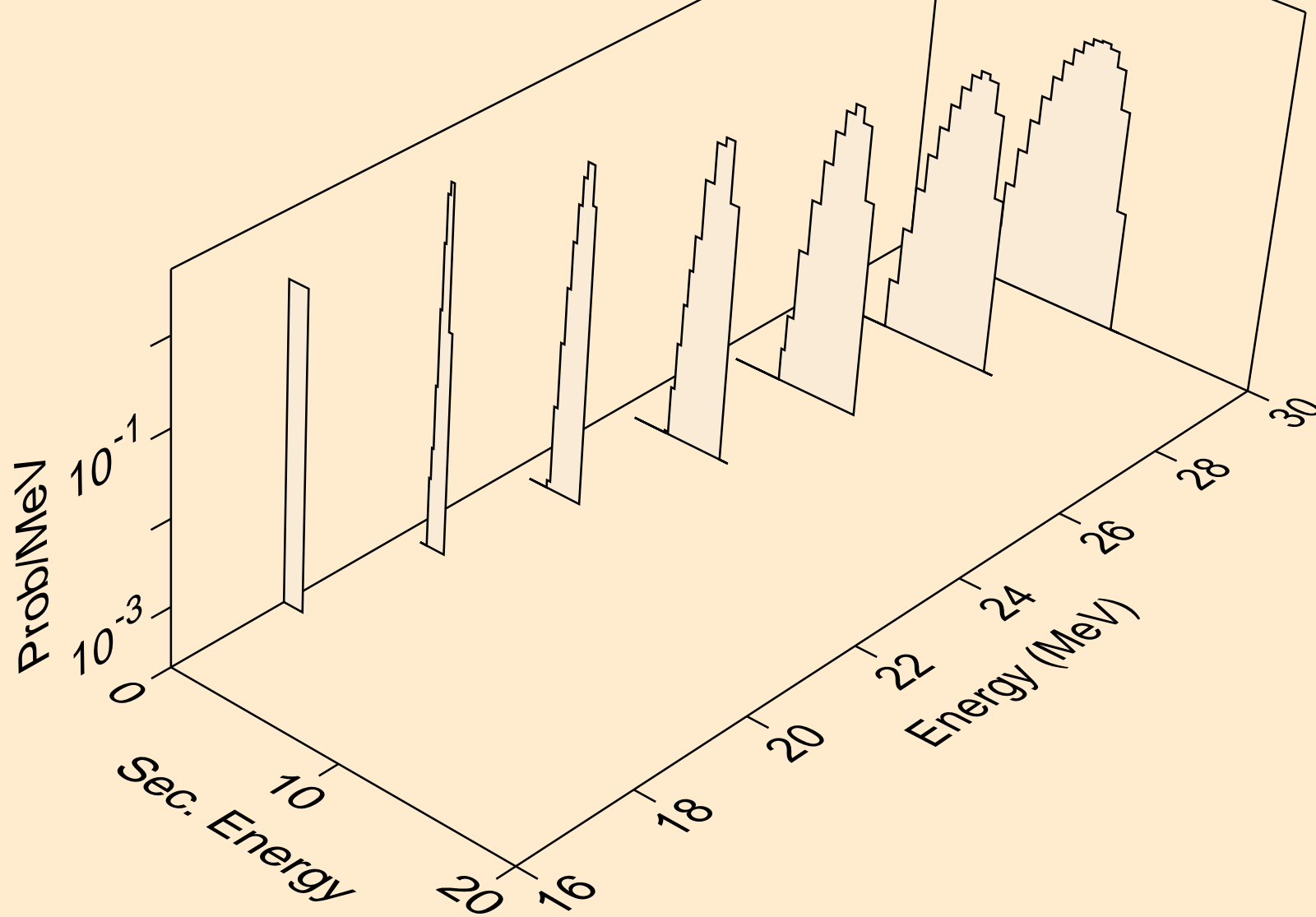
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protons from (n,pt)



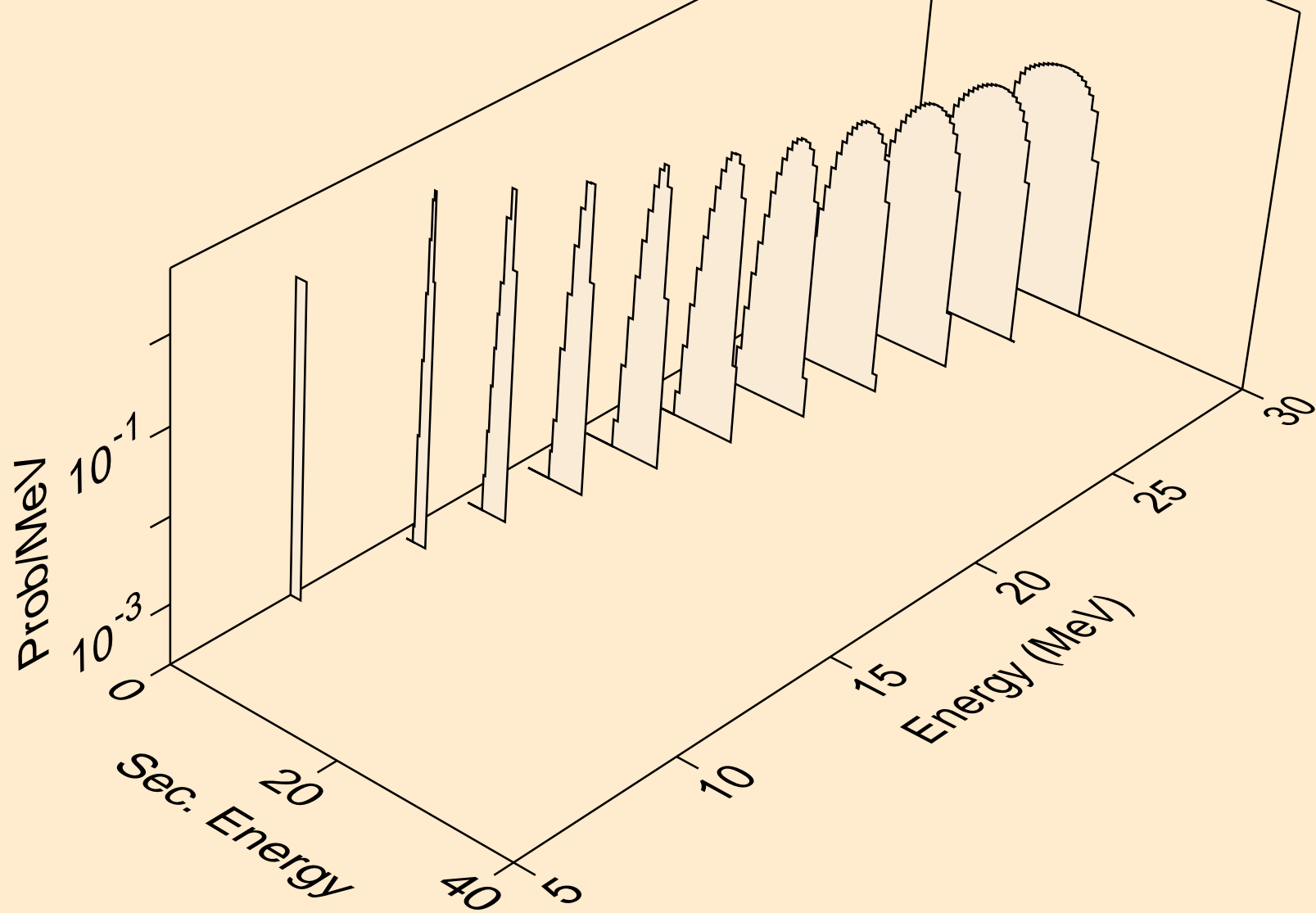
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deuterons from (n,x)



TM164M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,2nd)

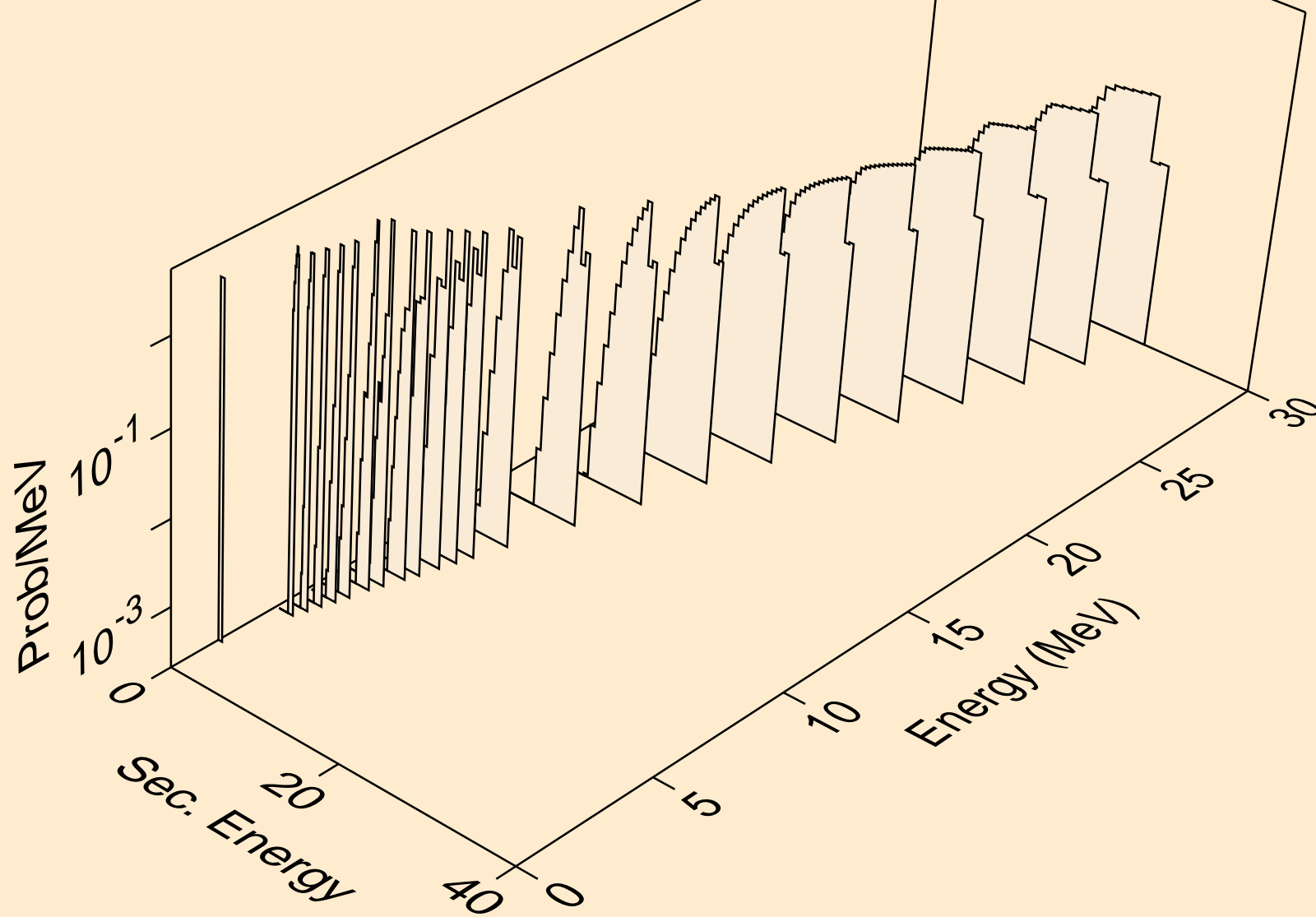


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deuterons from (n,n\*)d

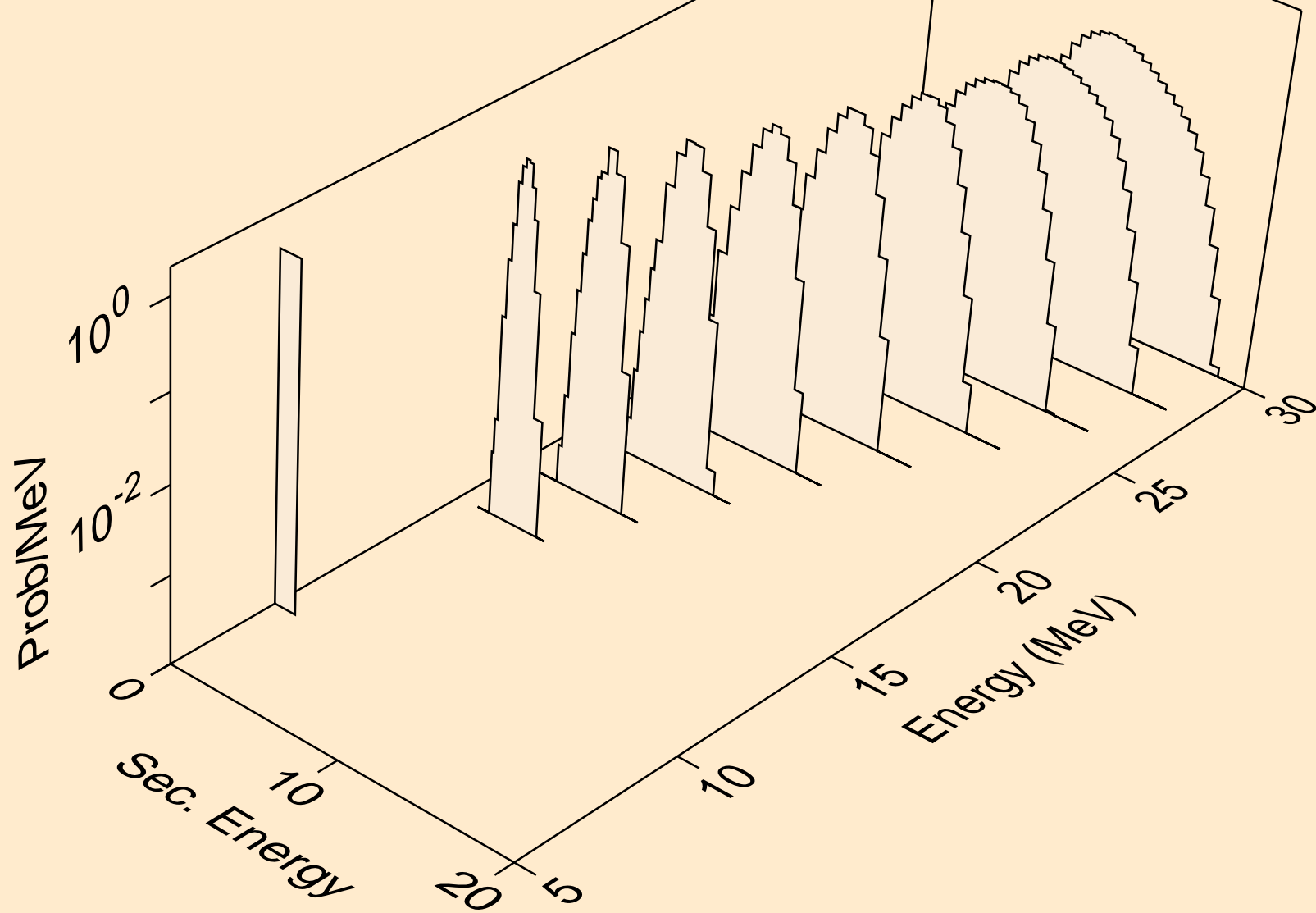




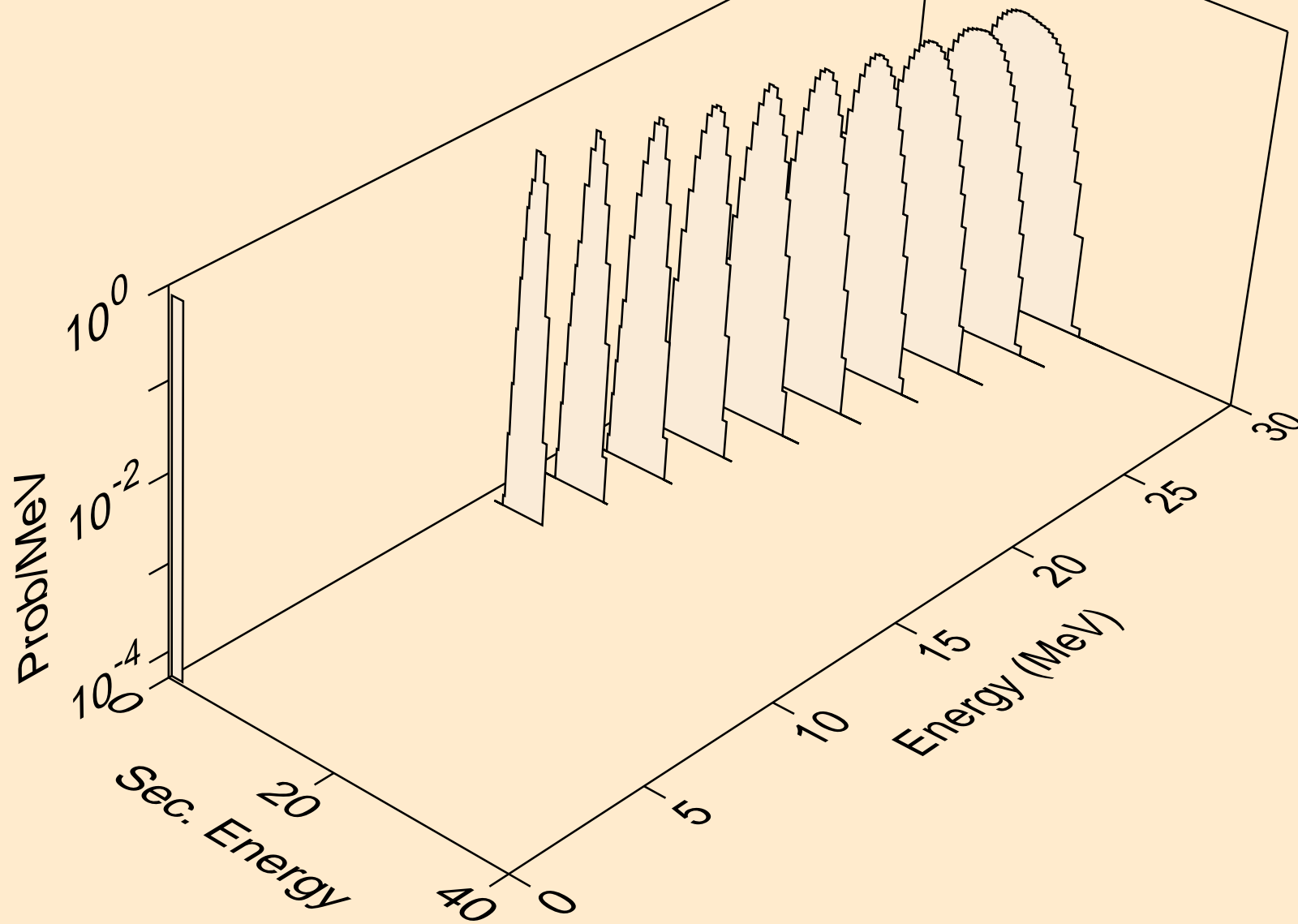
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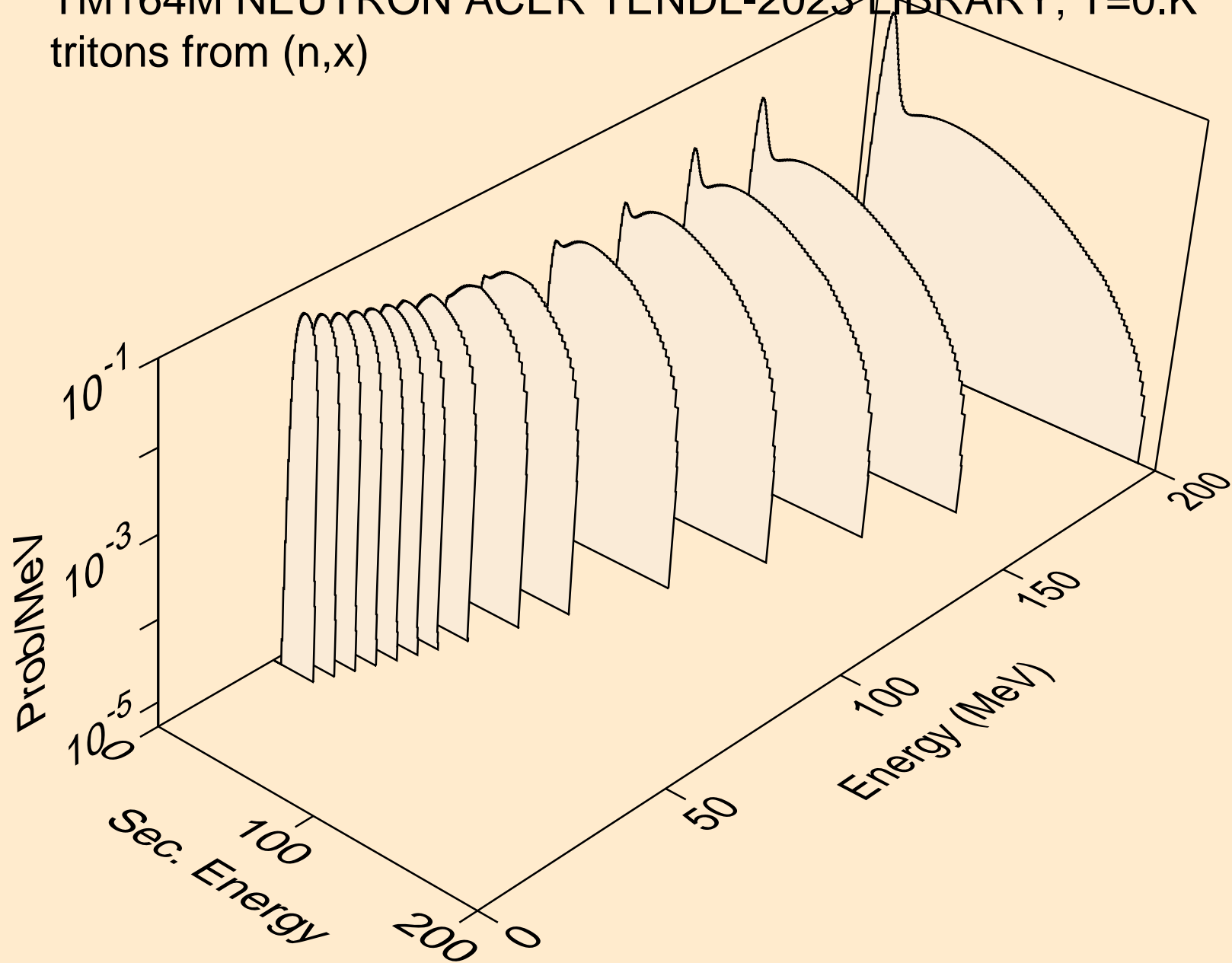
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deuterons from (n,pd)



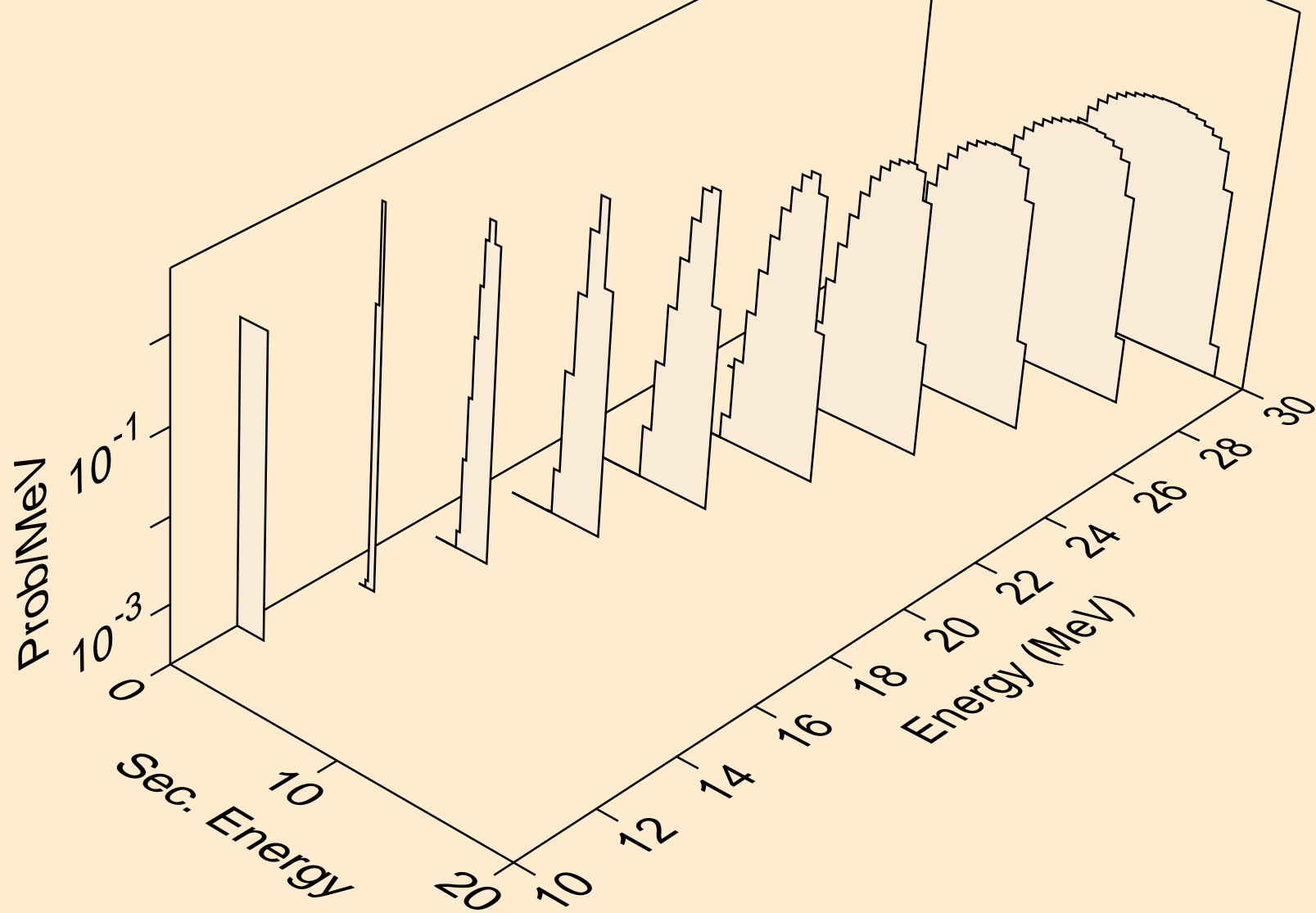
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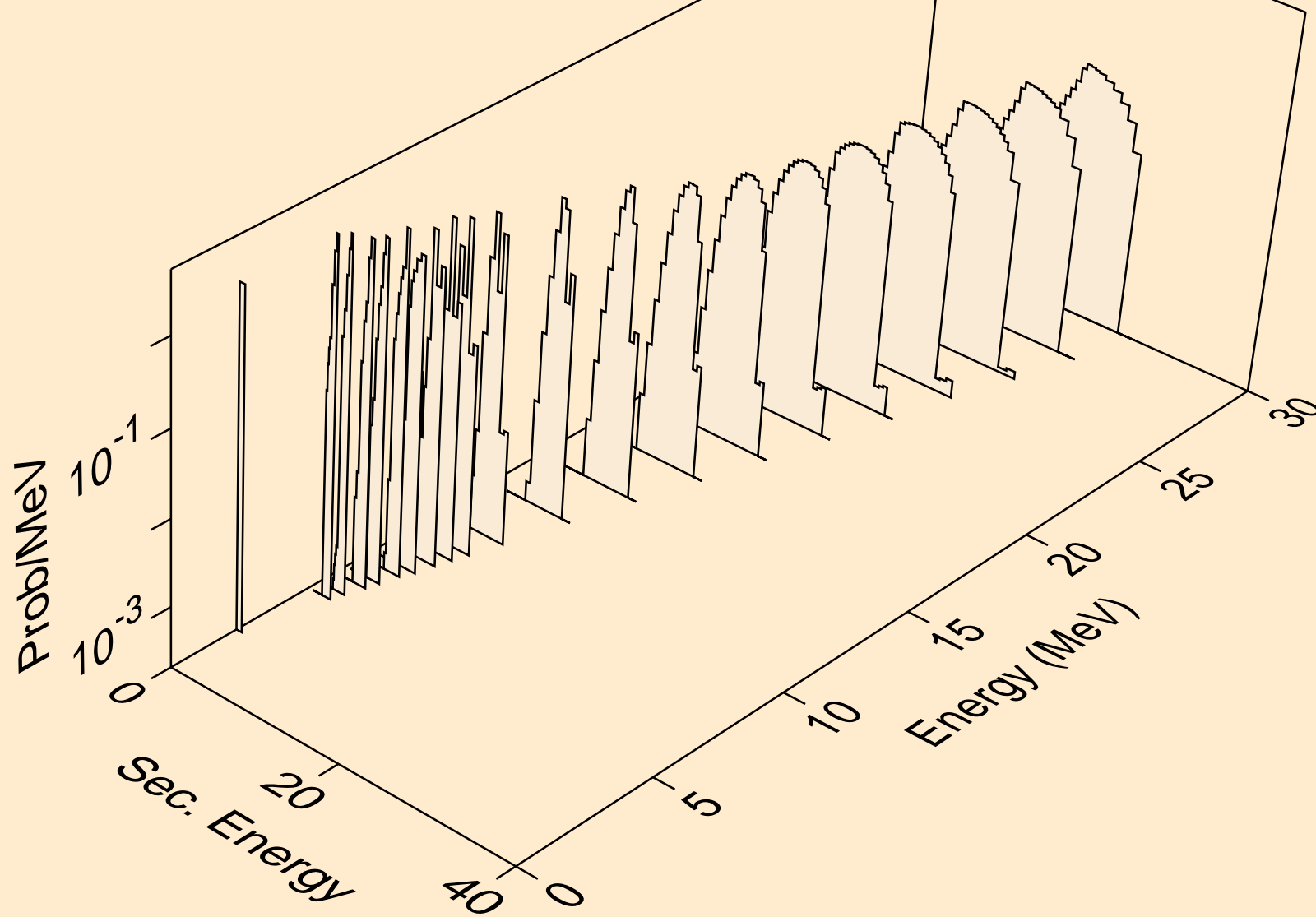
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tritons from (n,x)



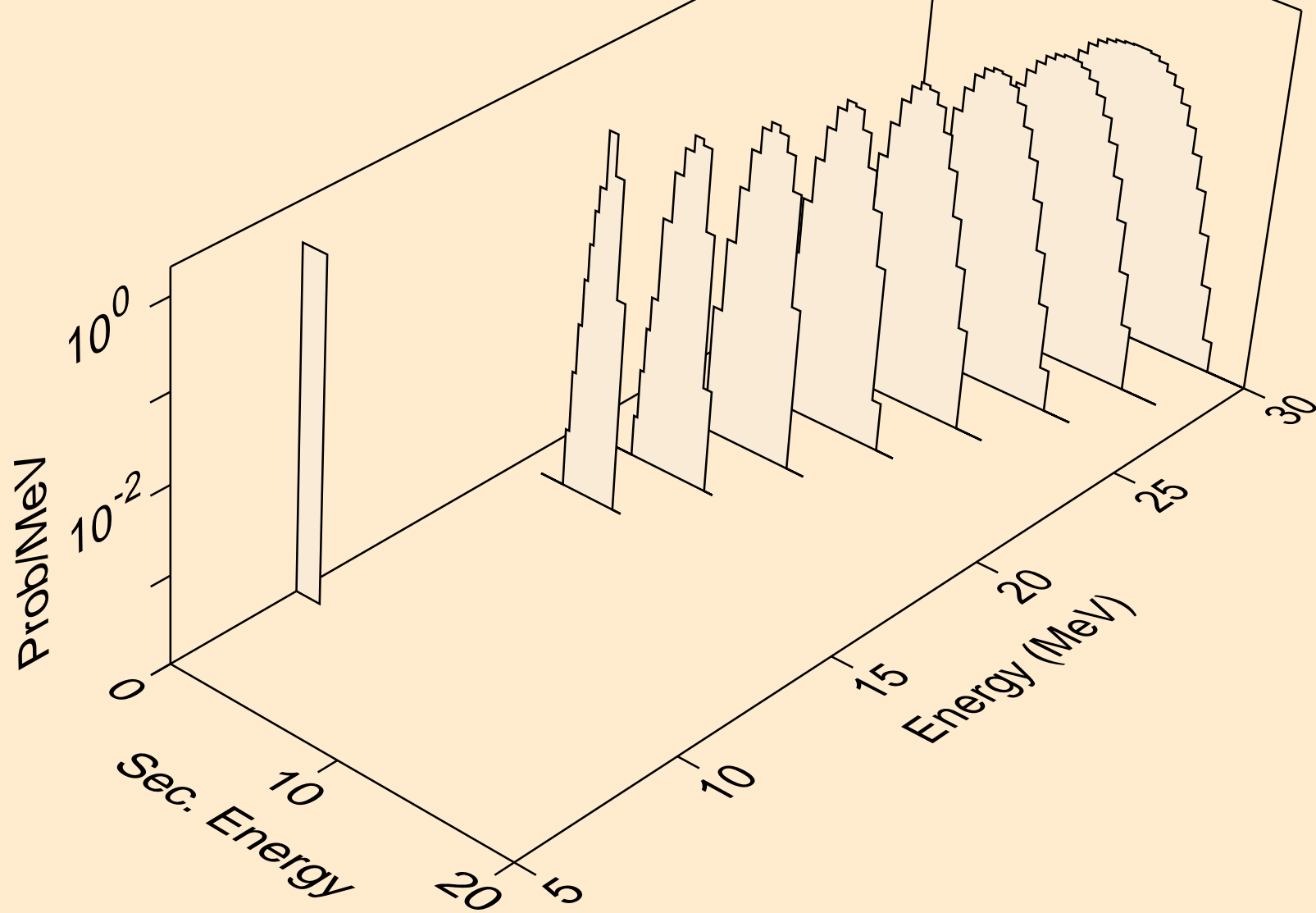
TM164M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,n\*)t



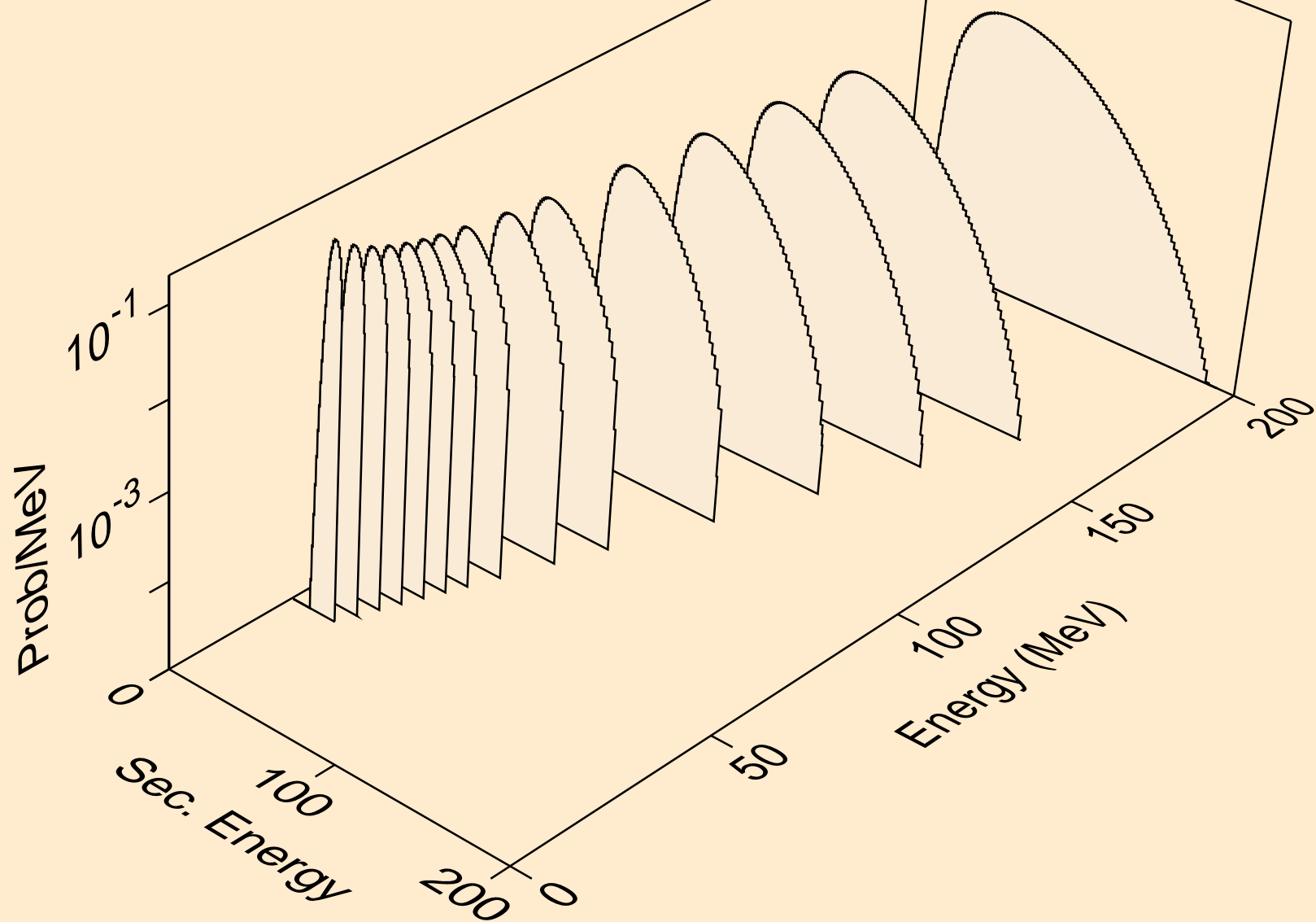
TM164M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,t)



TM164M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,pt)

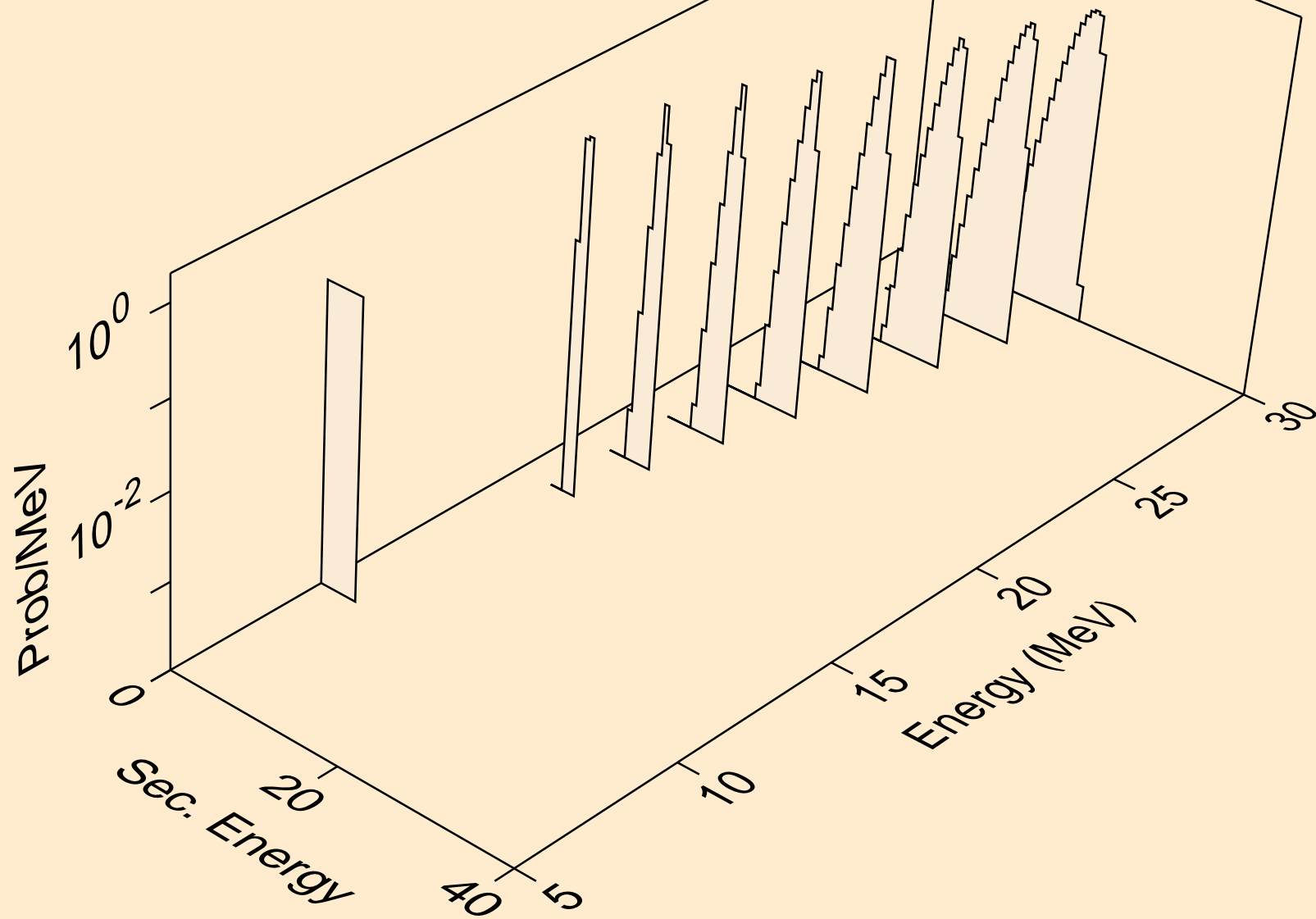


TM164M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,x)

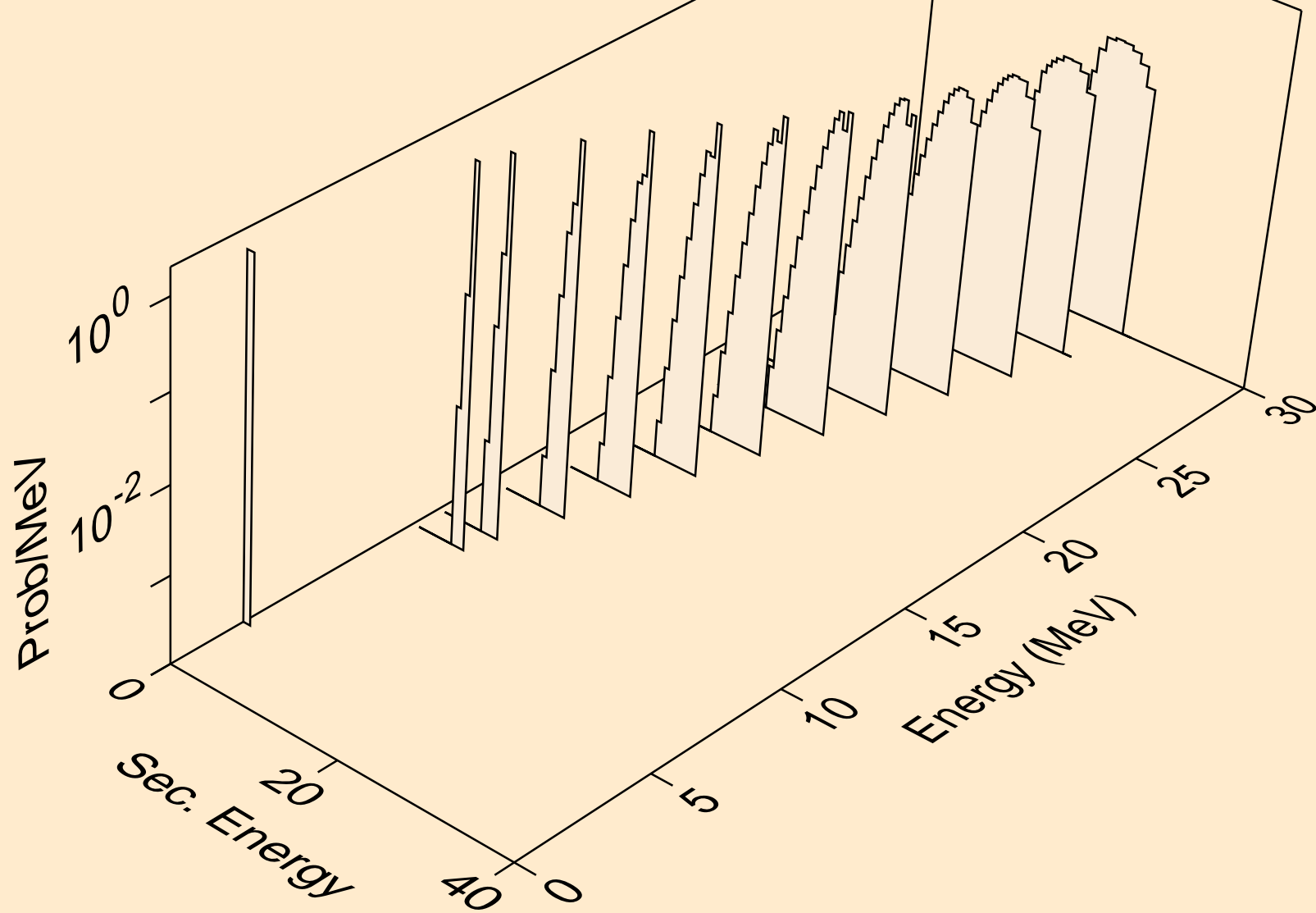




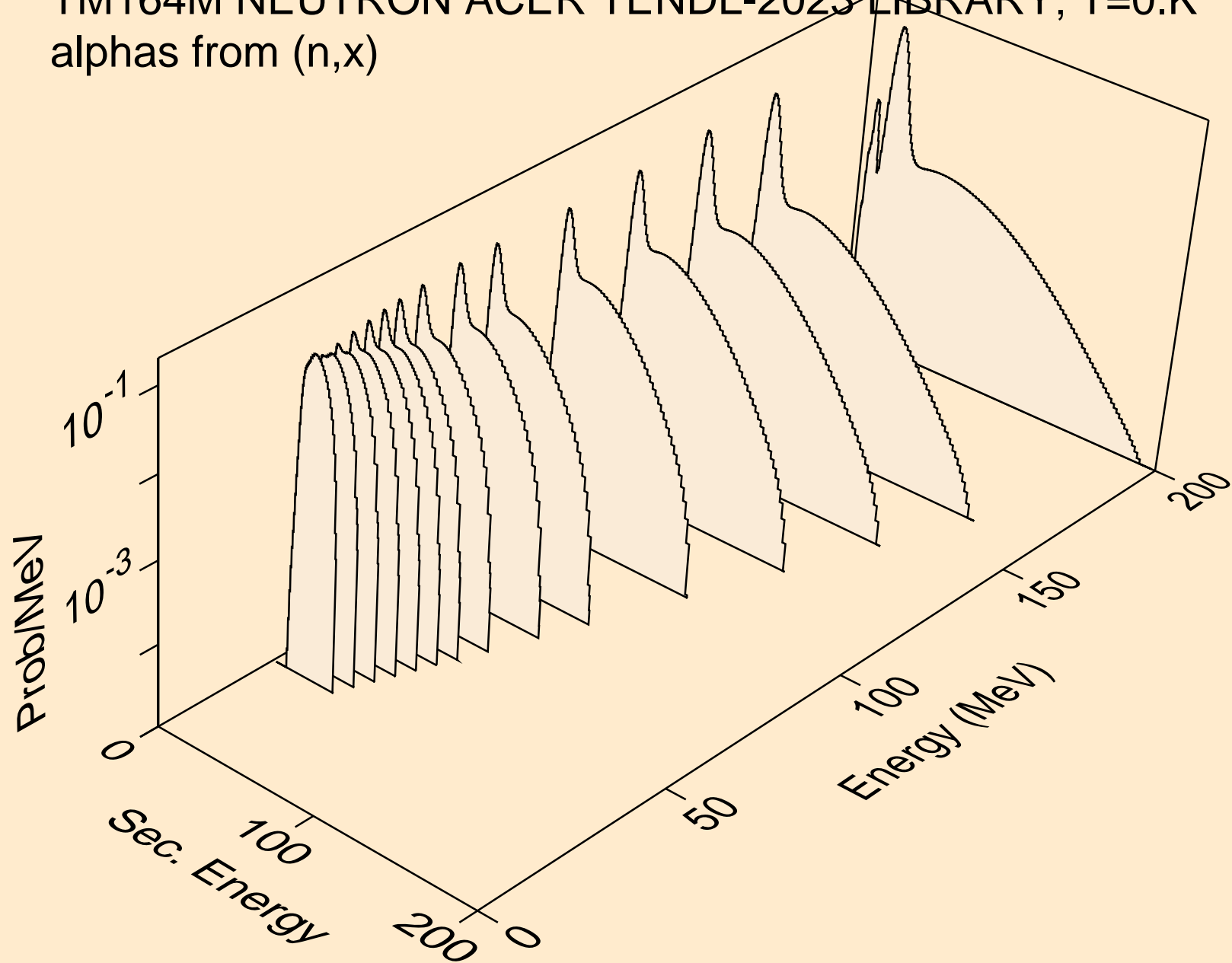
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he3s from (n,n\*)he3



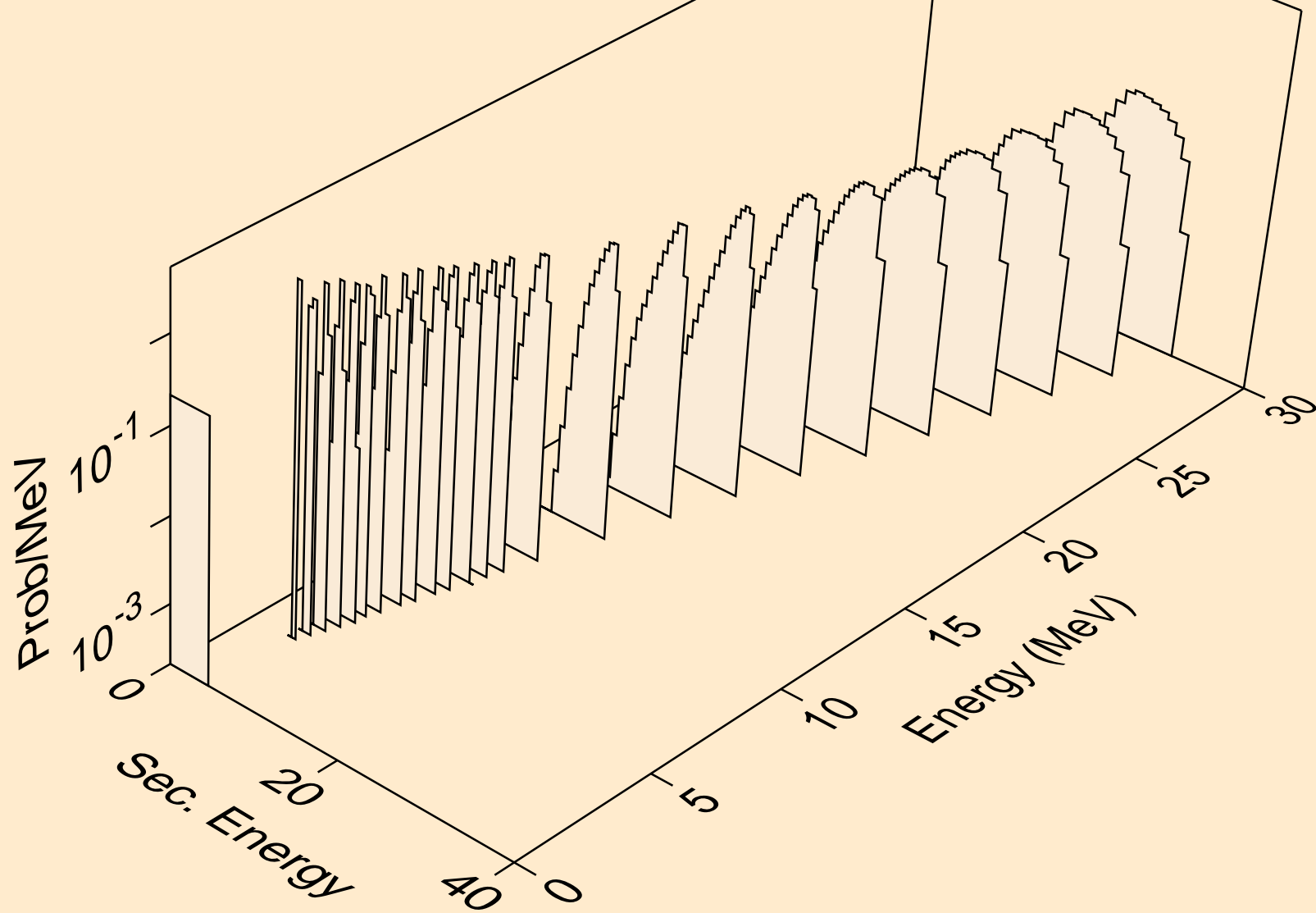
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he3s from (n,he3)



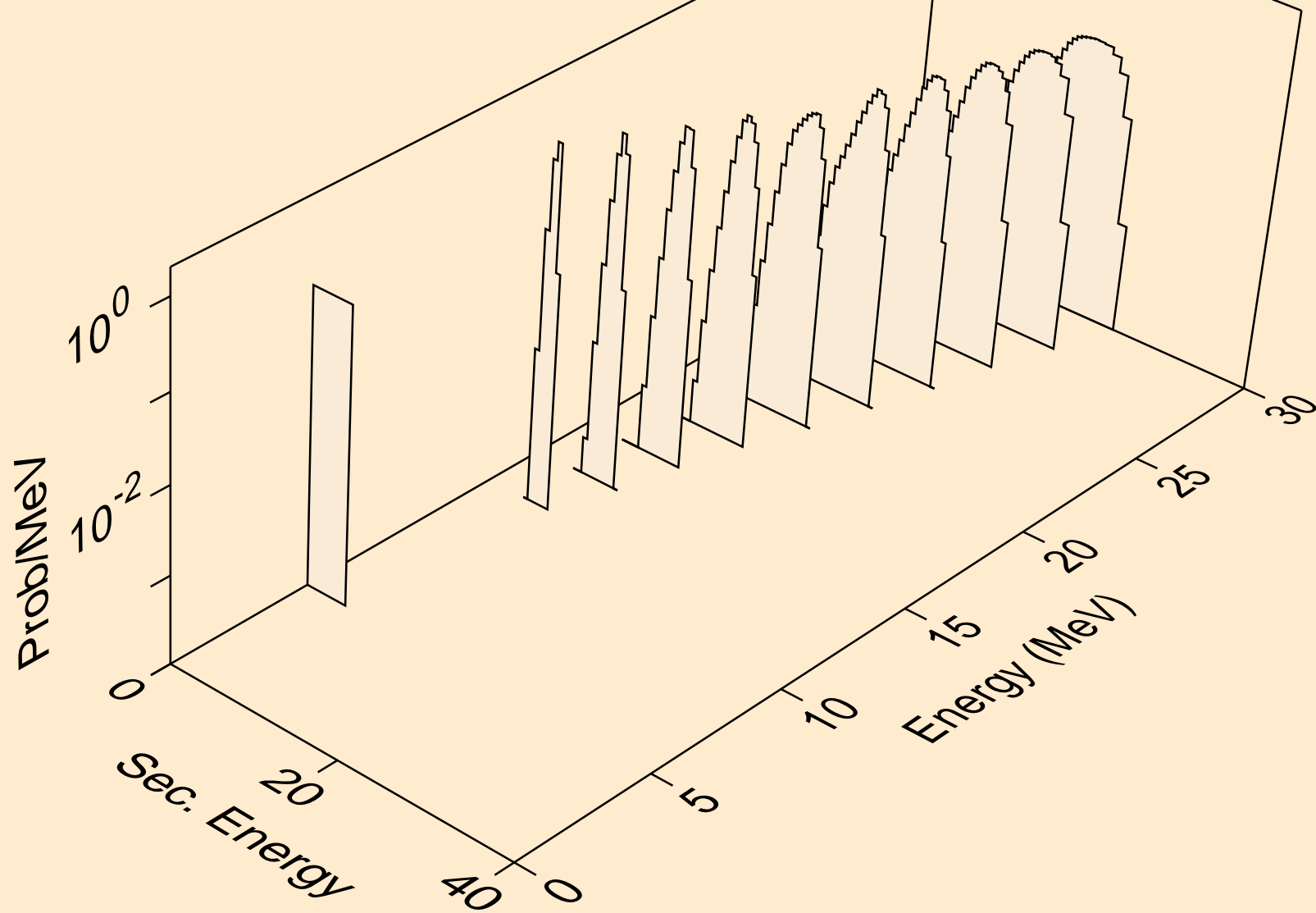
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alphas from (n,x)



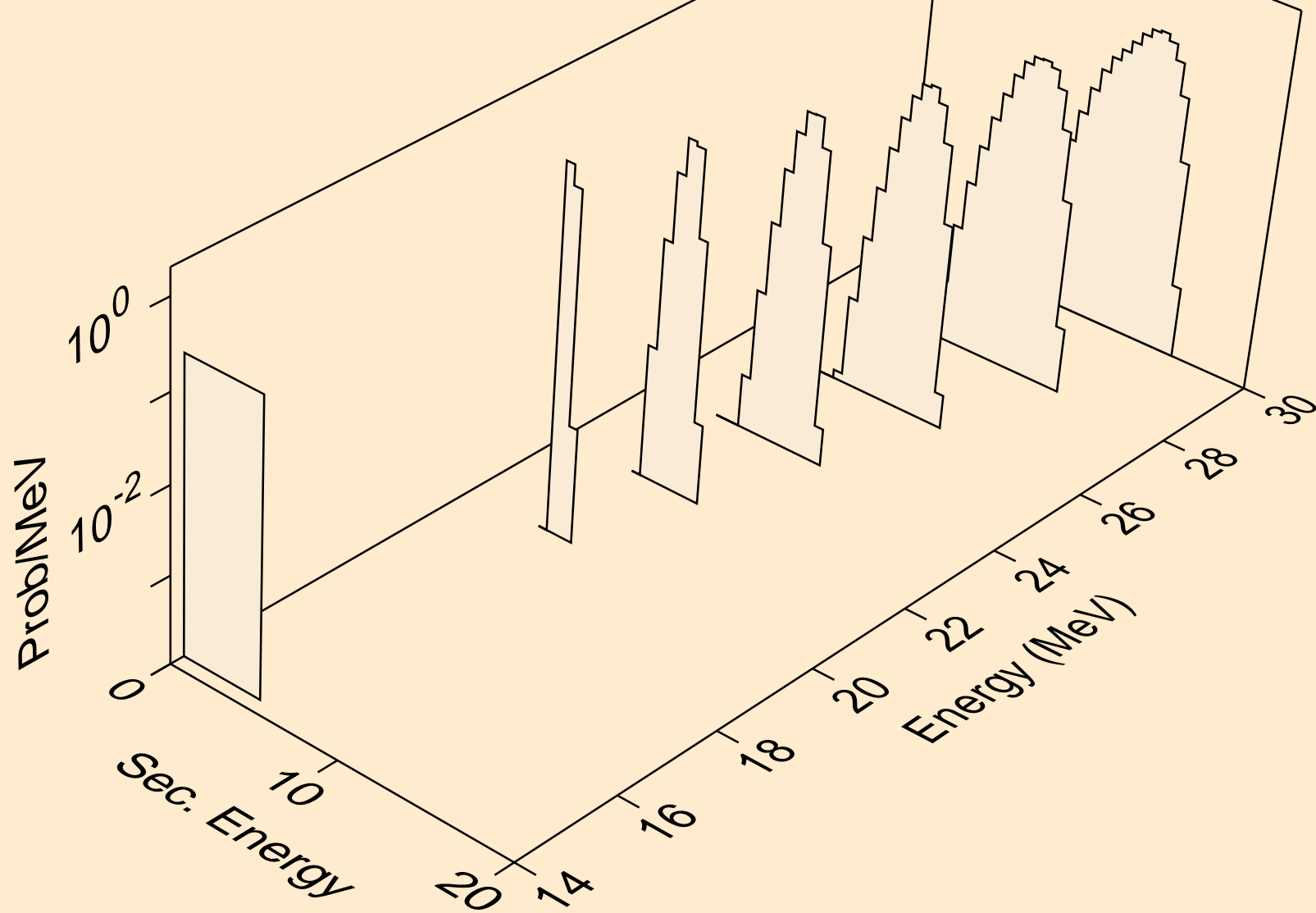
TM164M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)a



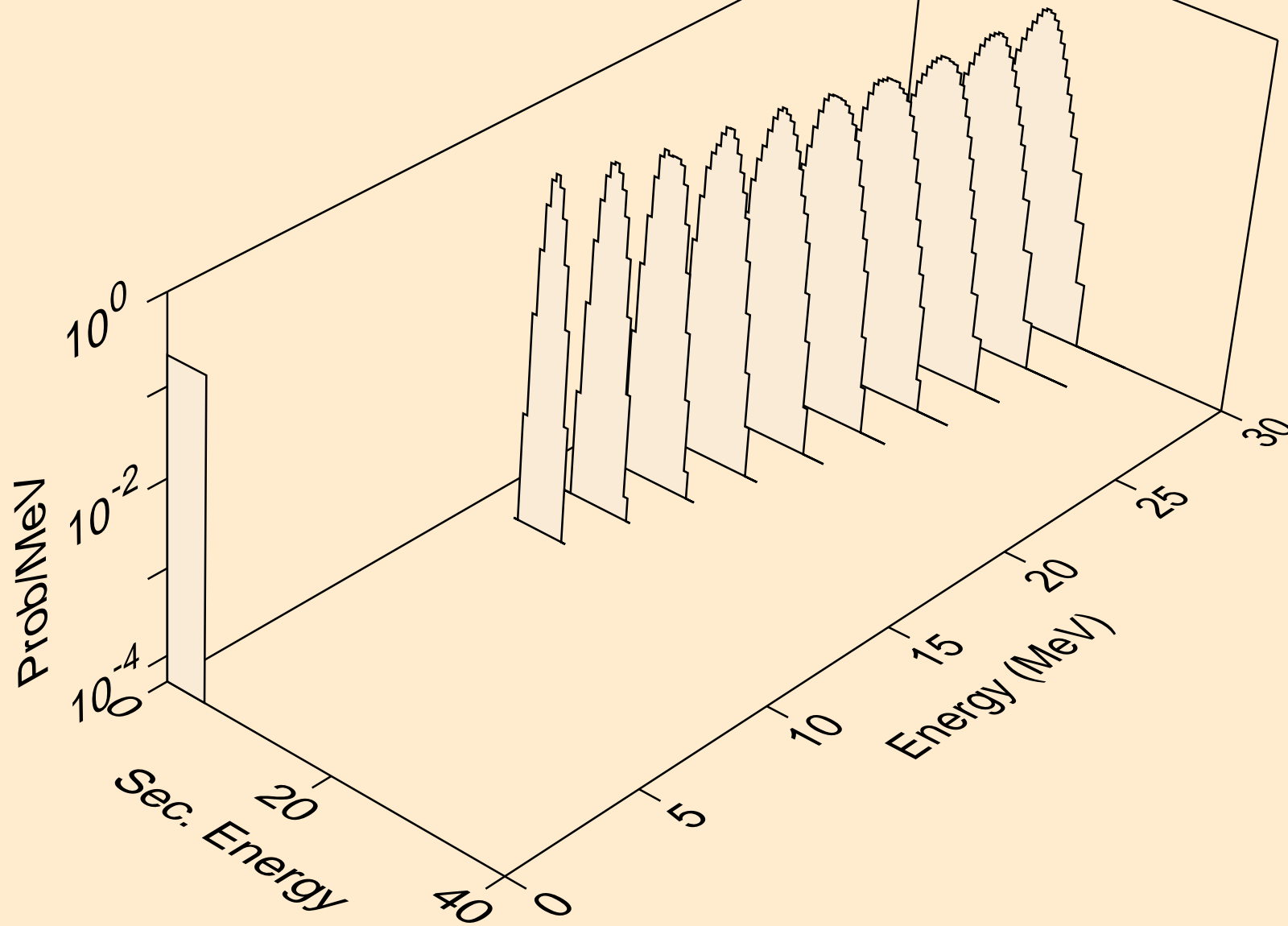
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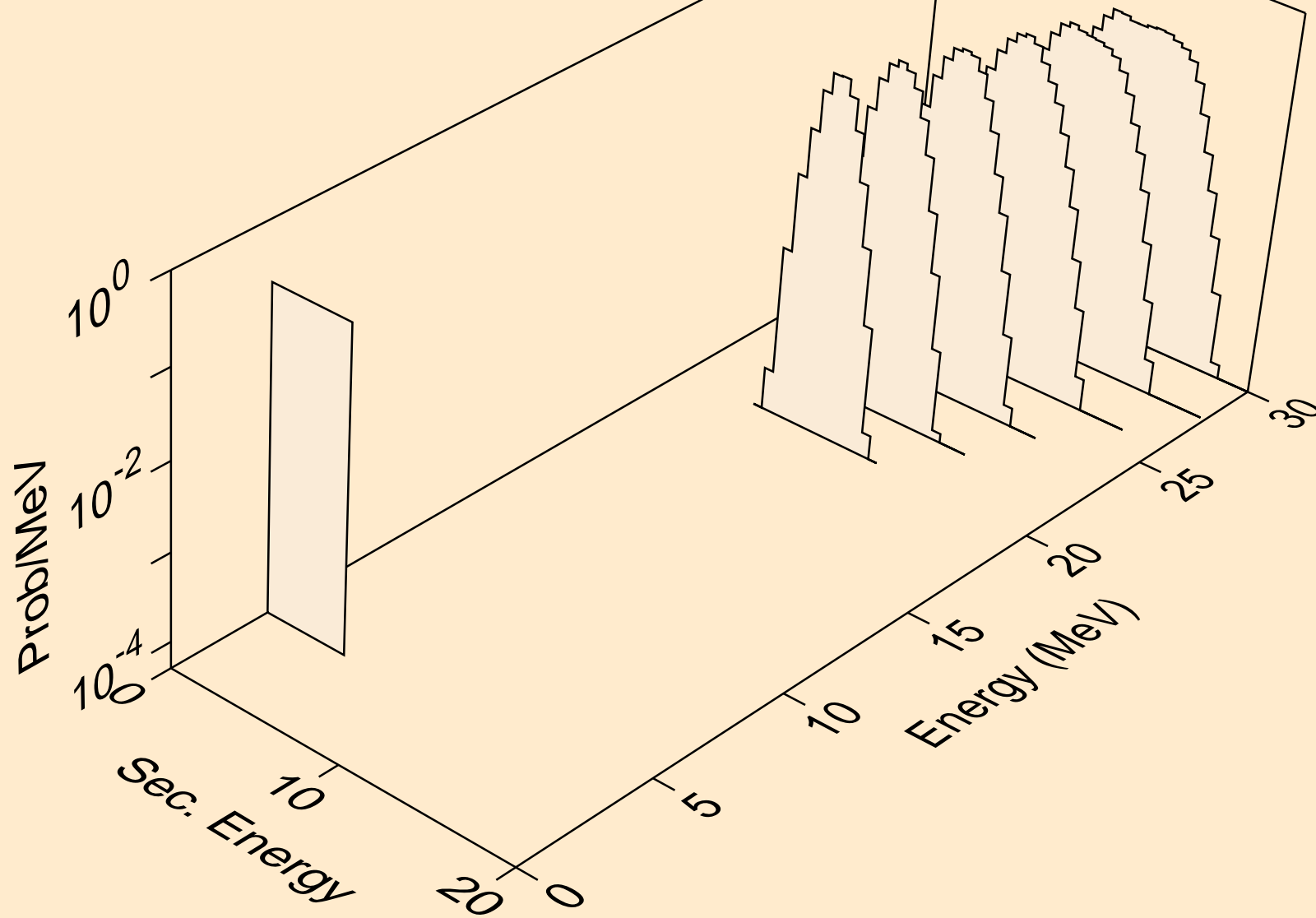
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alphas from (n,3n)a



TM164M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)2a

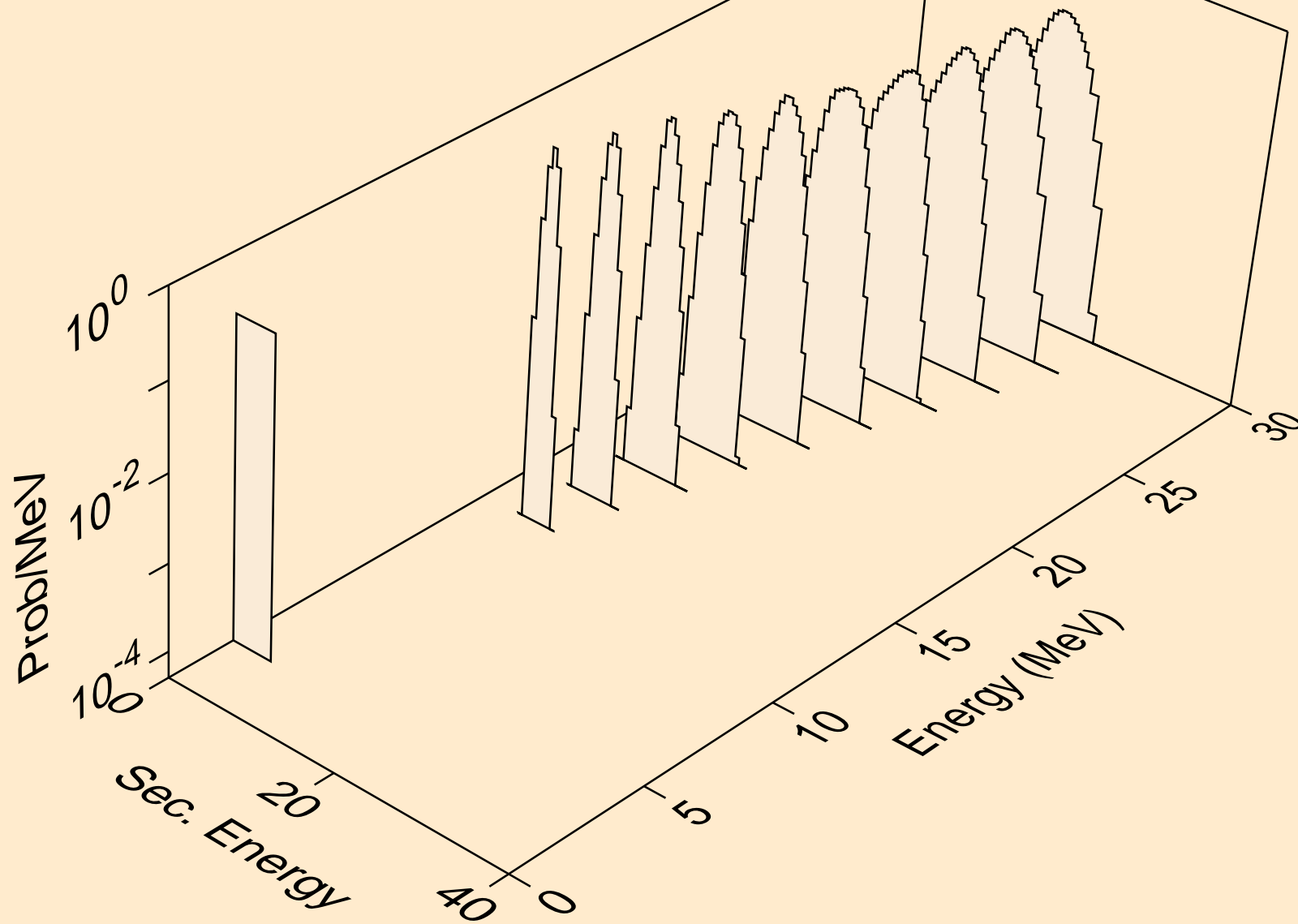


TM164M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2n)2a

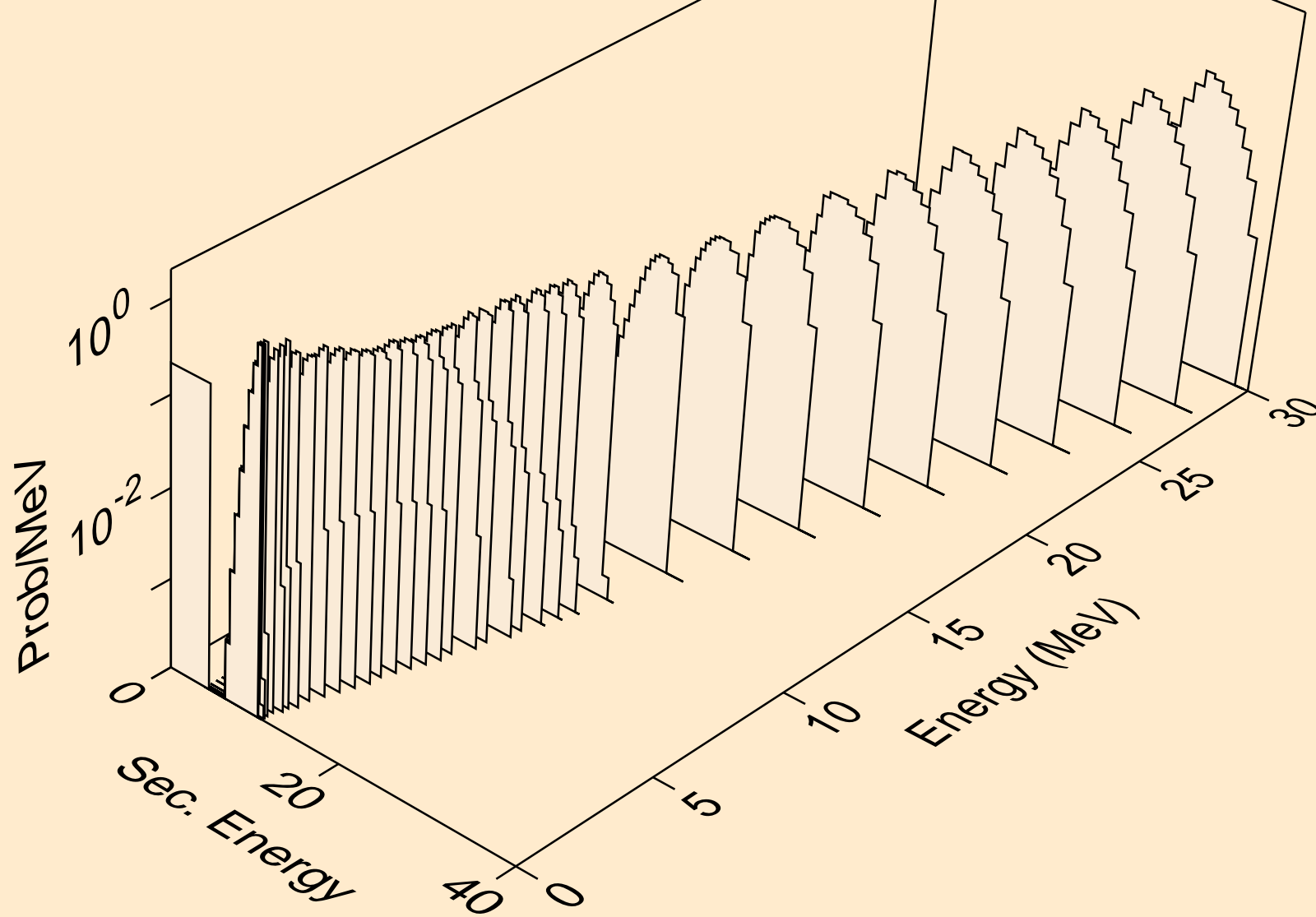




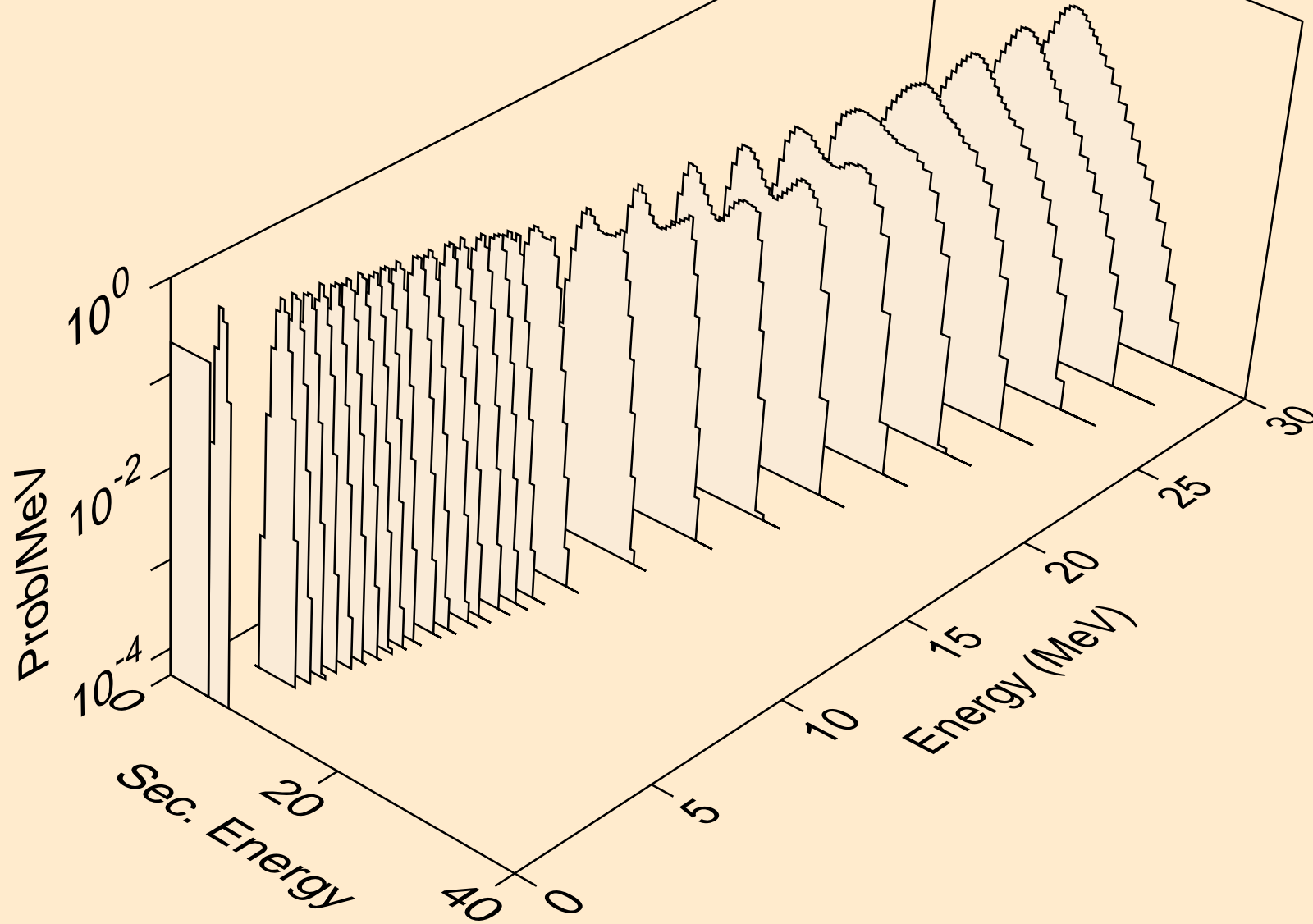
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alphas from (n,npa)



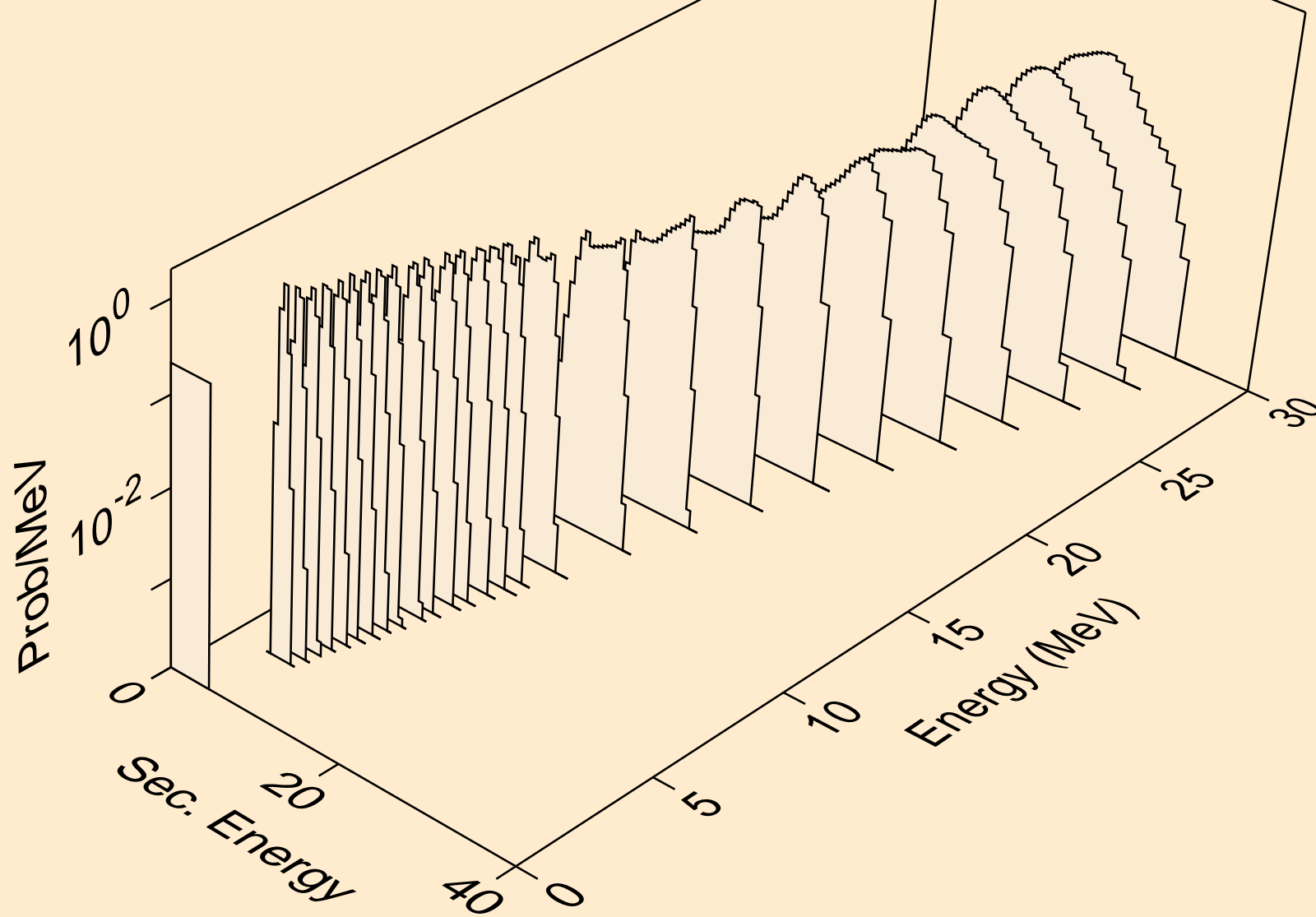
TM164M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,a)



TM164M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2a)



TM164M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,pa)



TM164M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,da)

