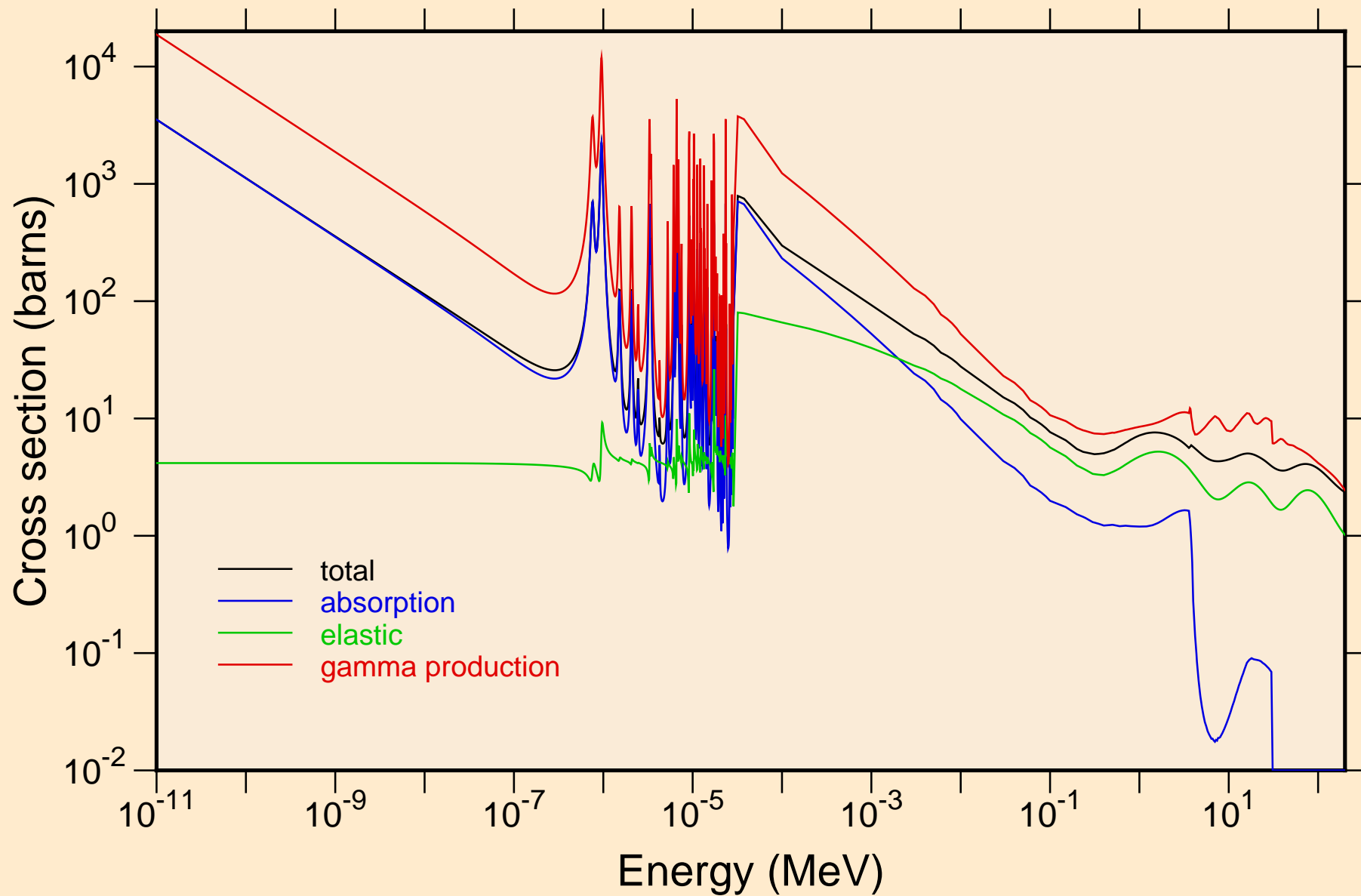
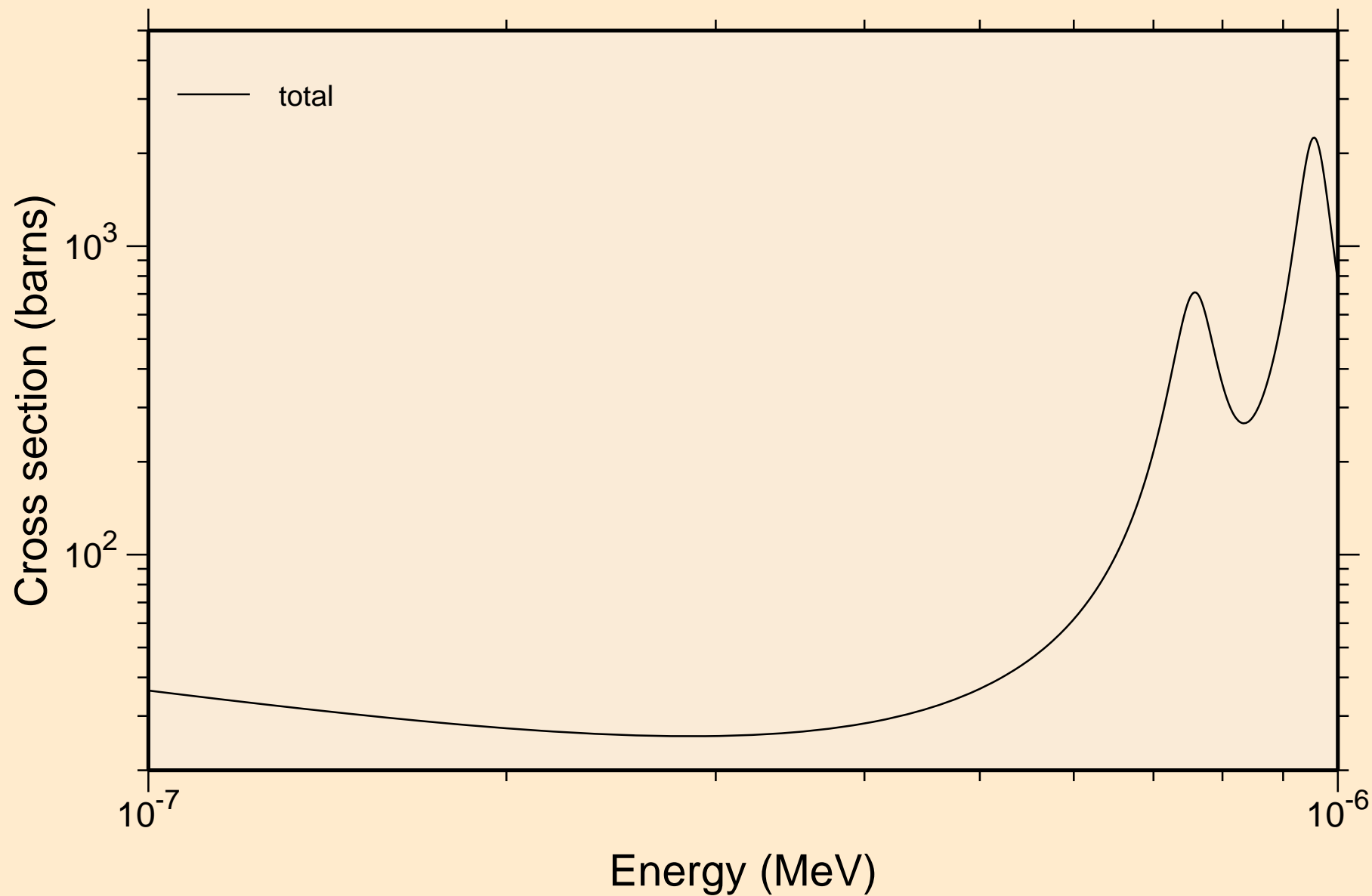


# EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

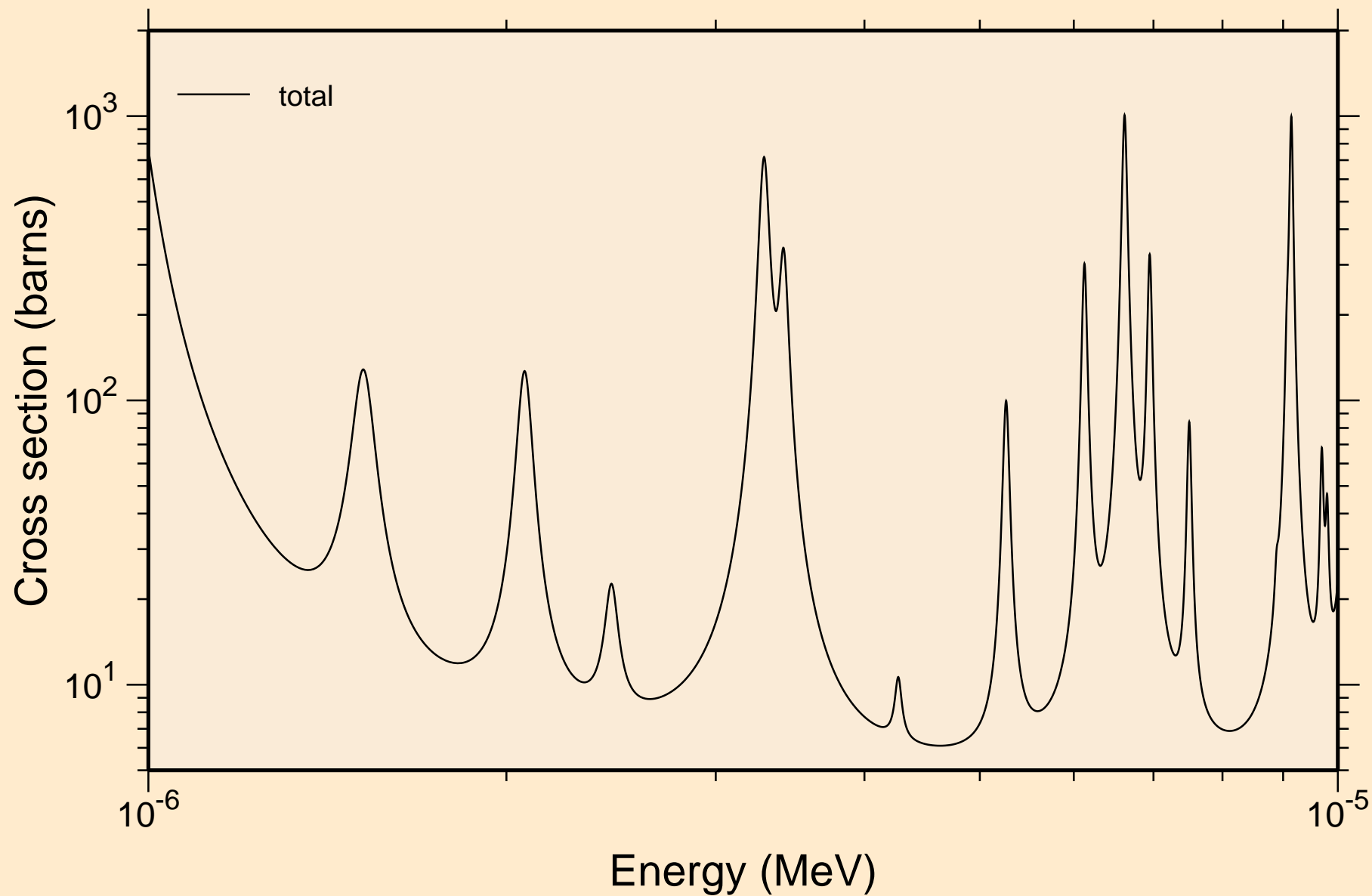
## Principal cross sections



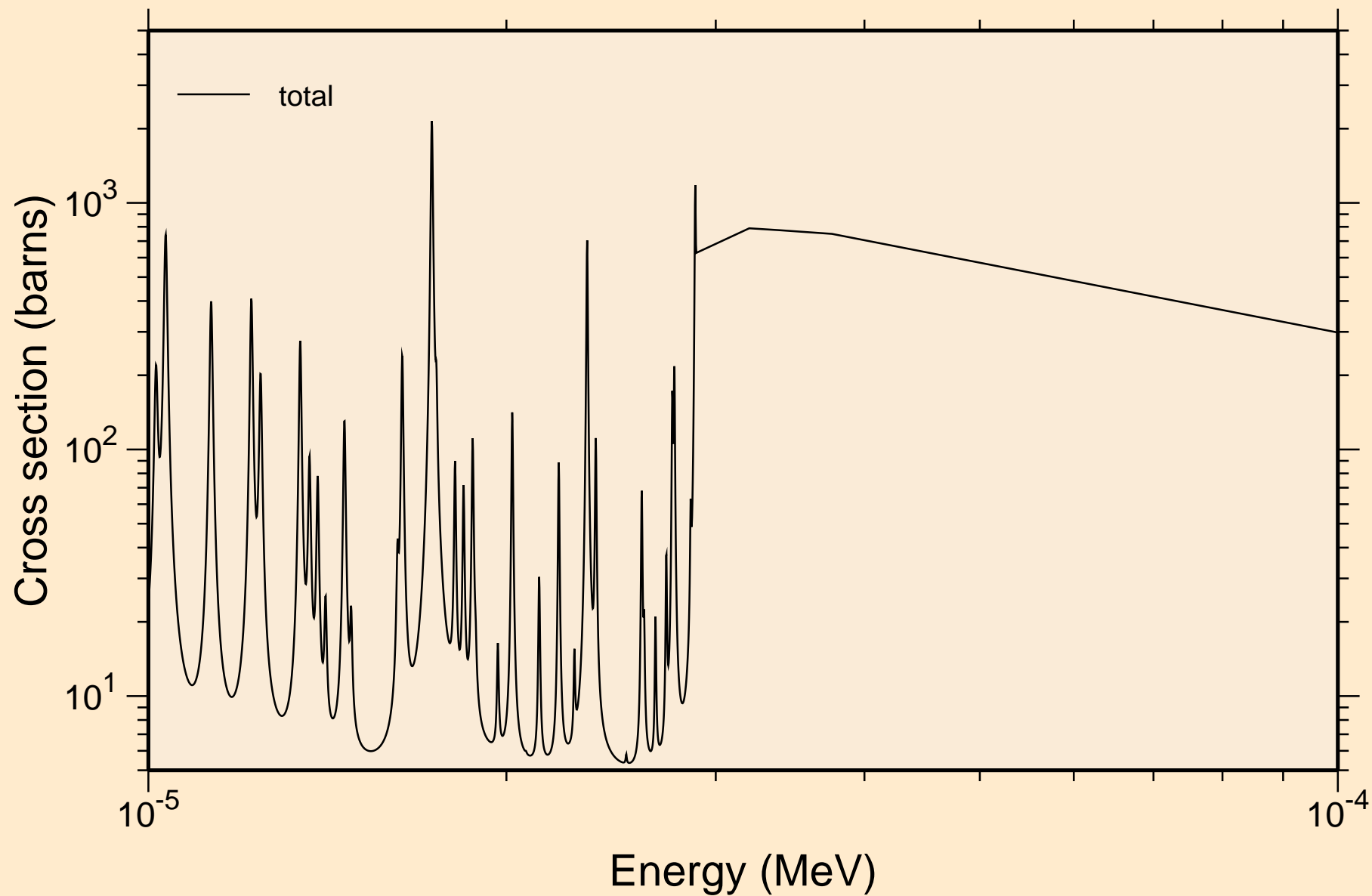
EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



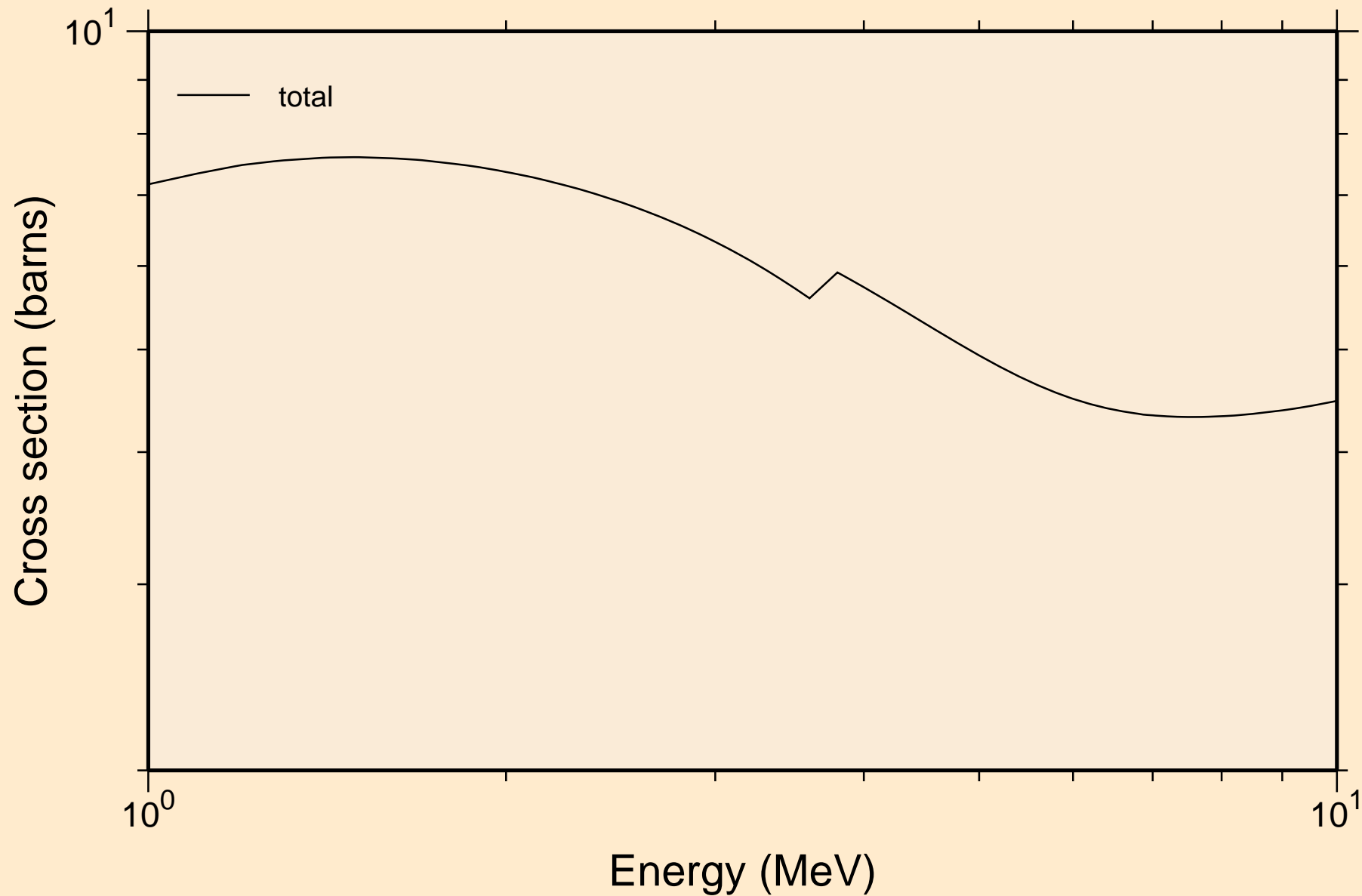
EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



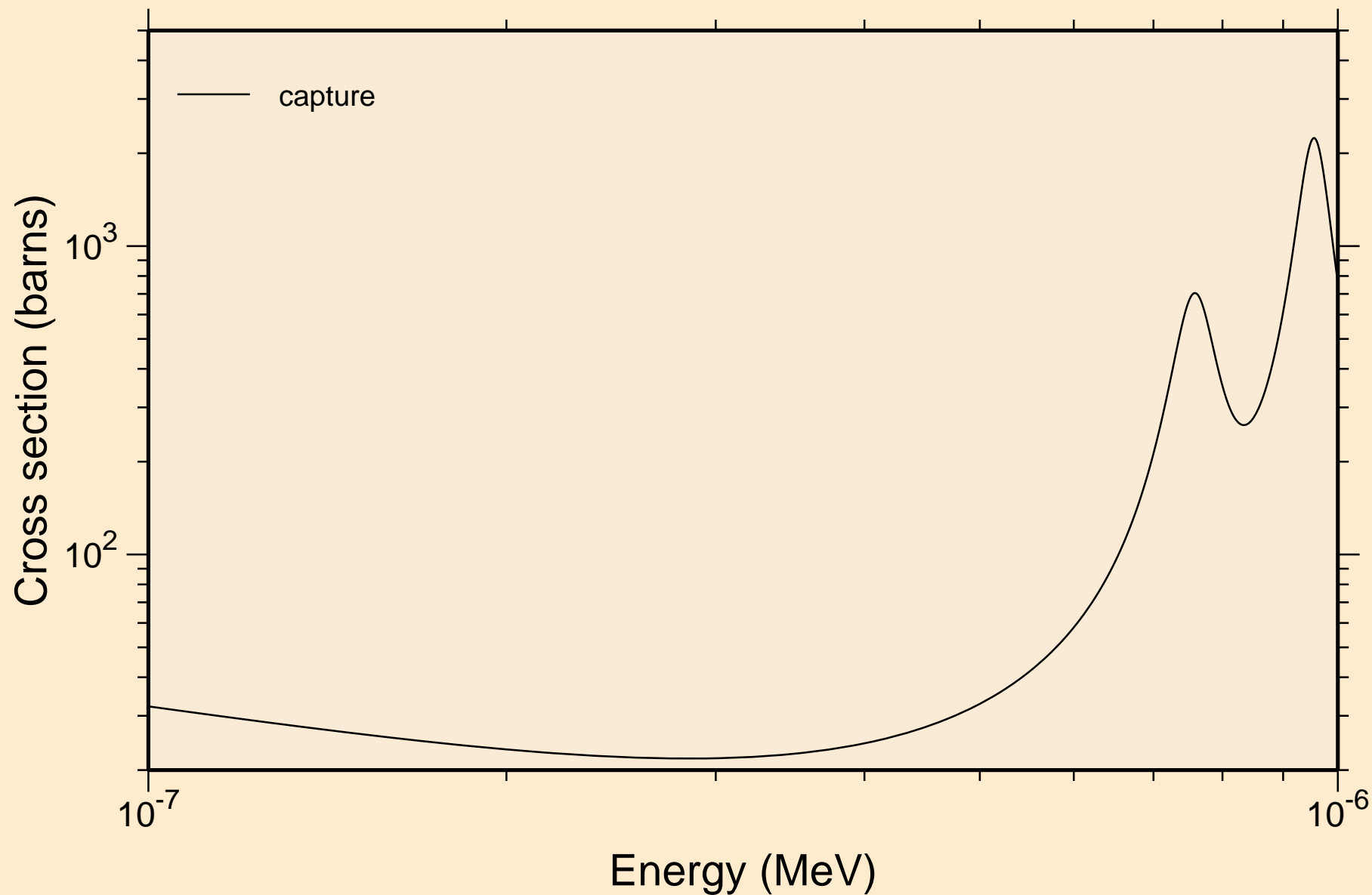
EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



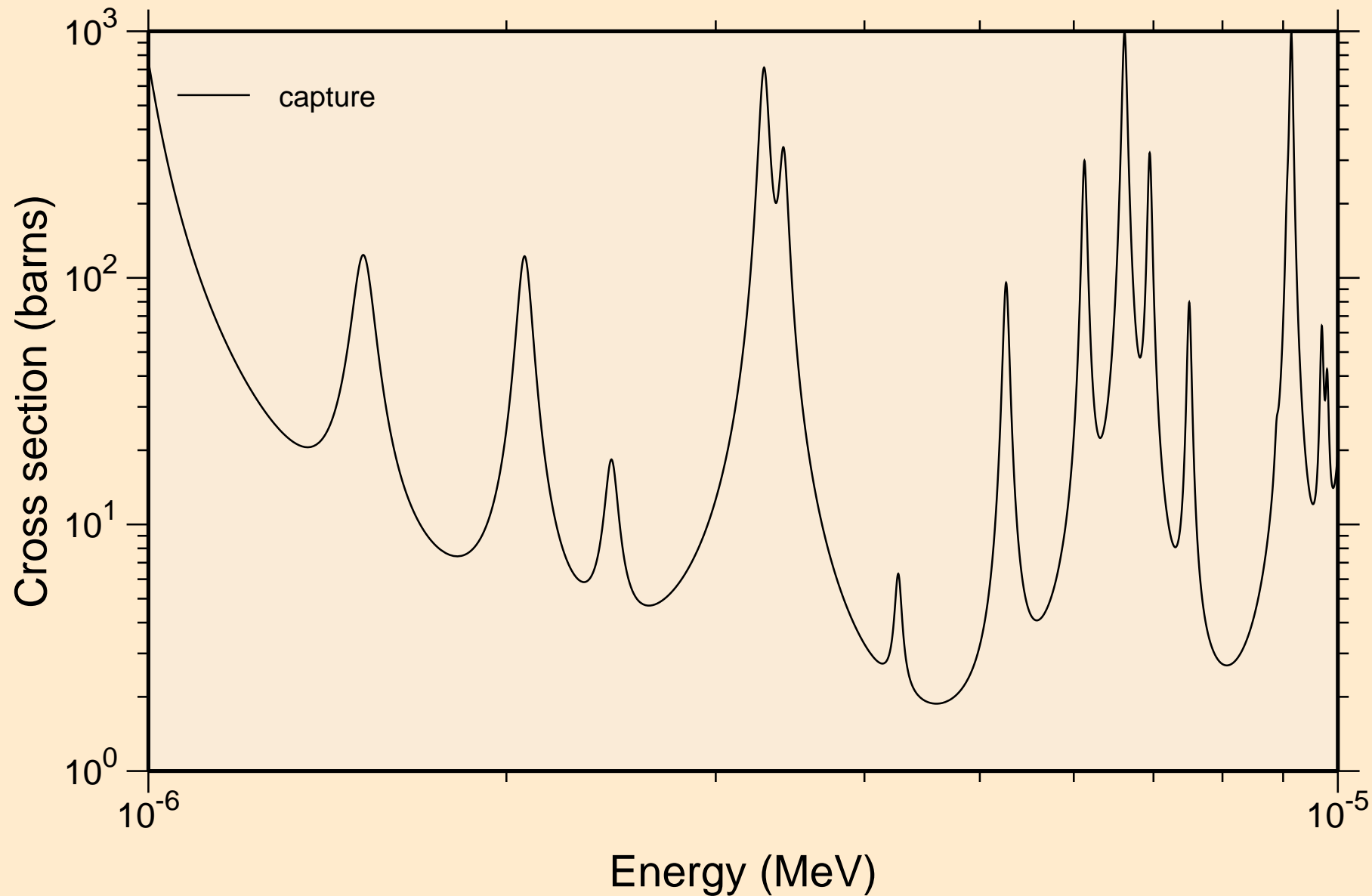
EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



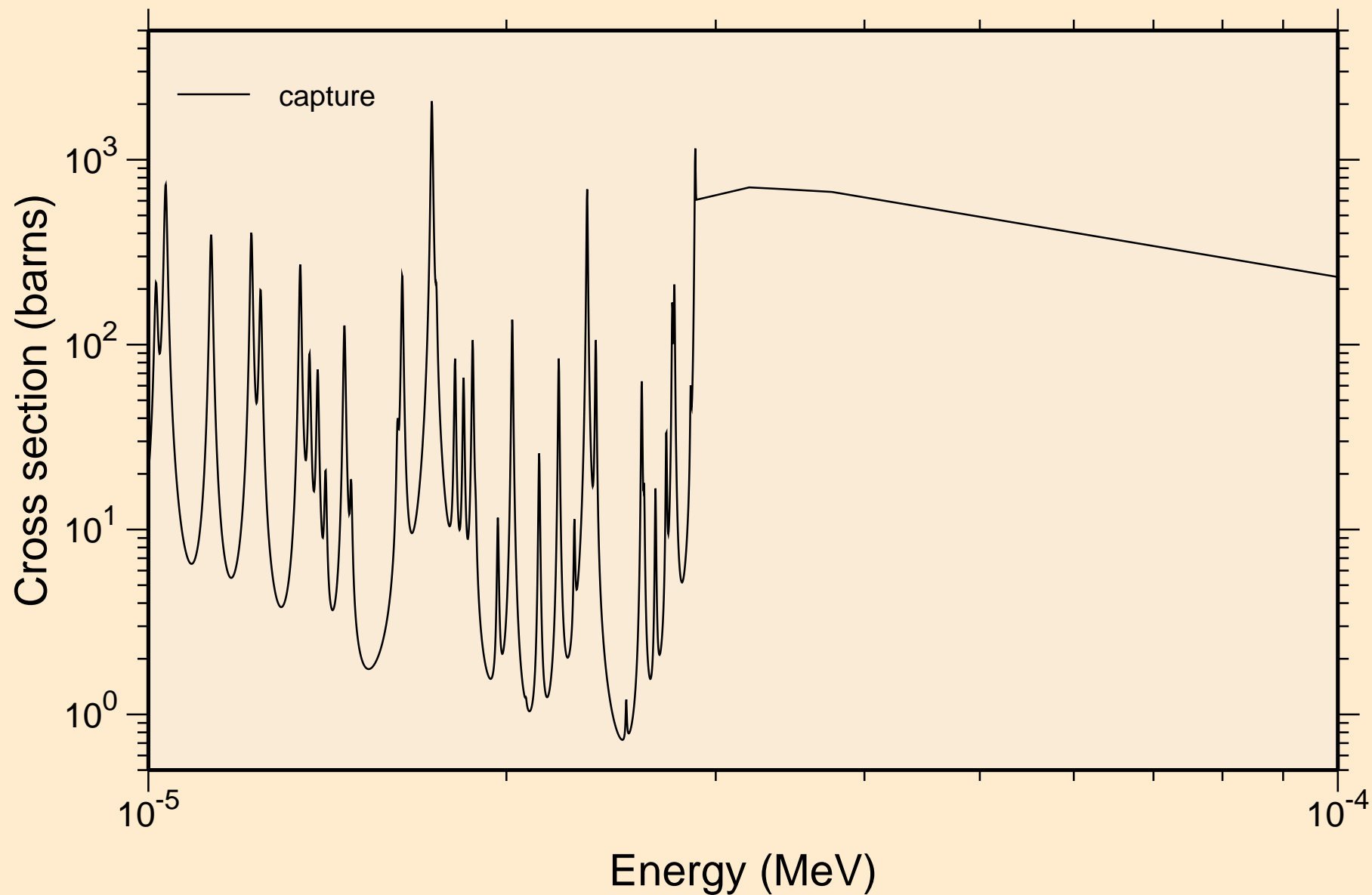
EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

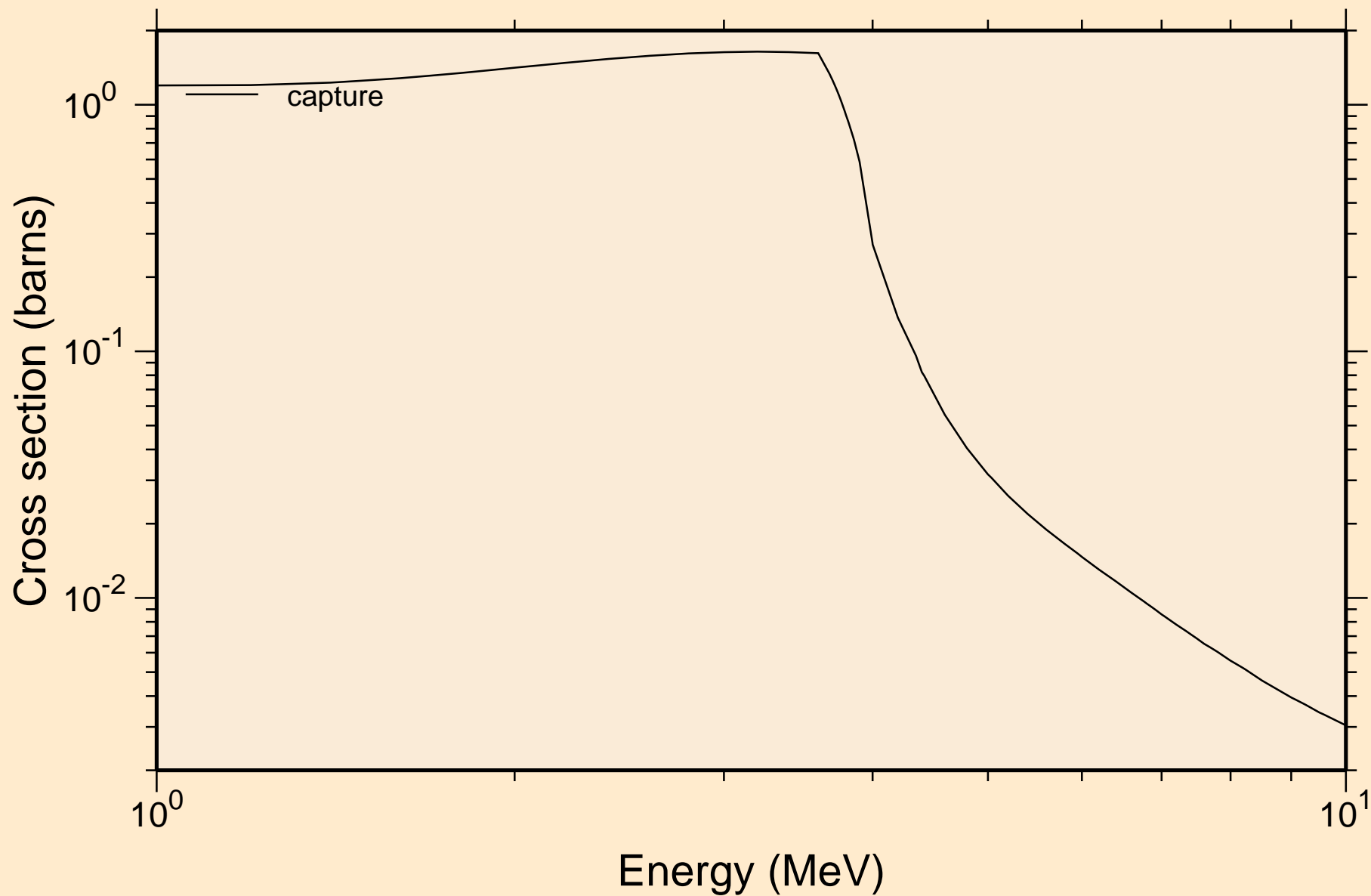


EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

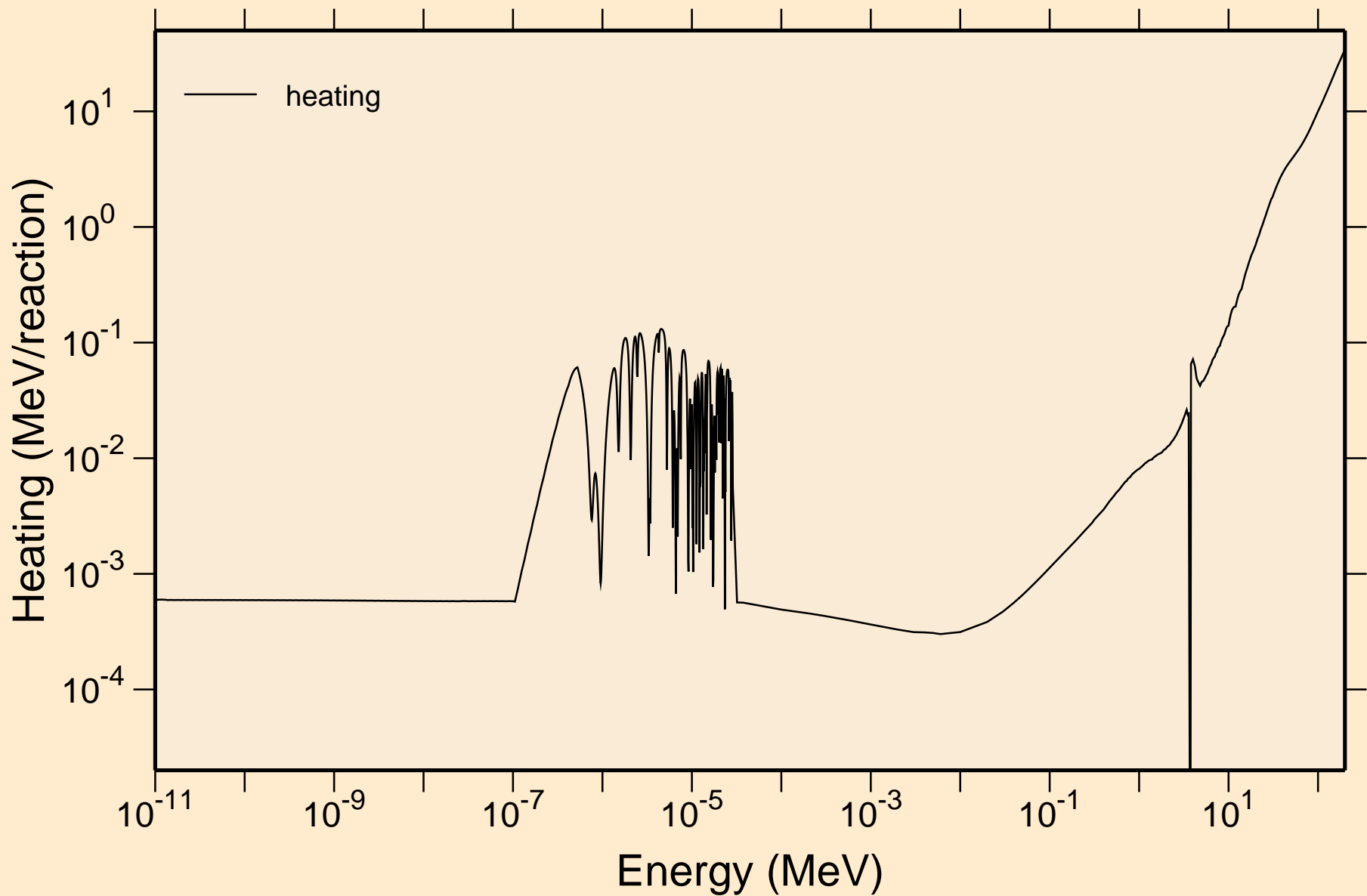




EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

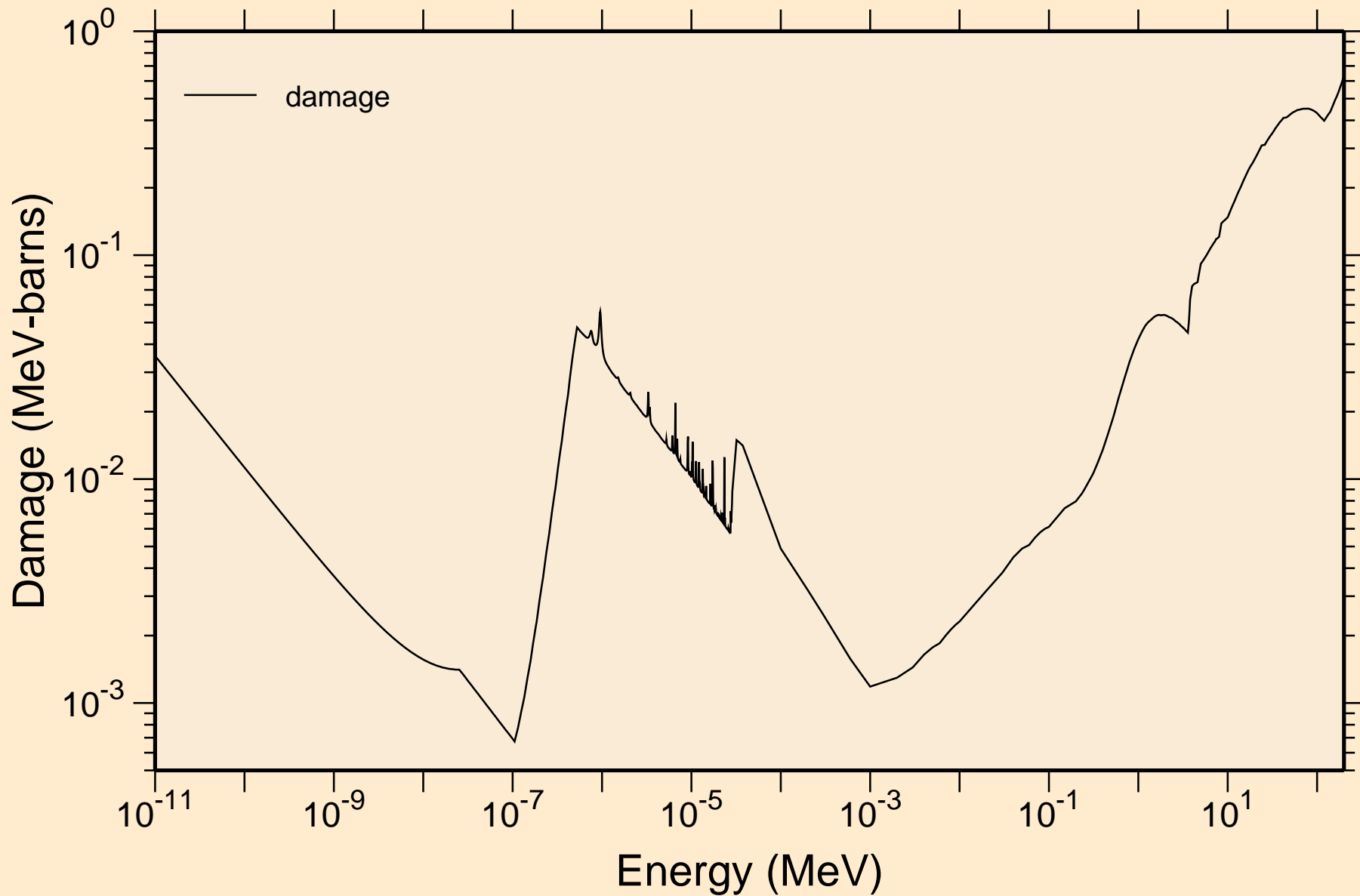


EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Heating



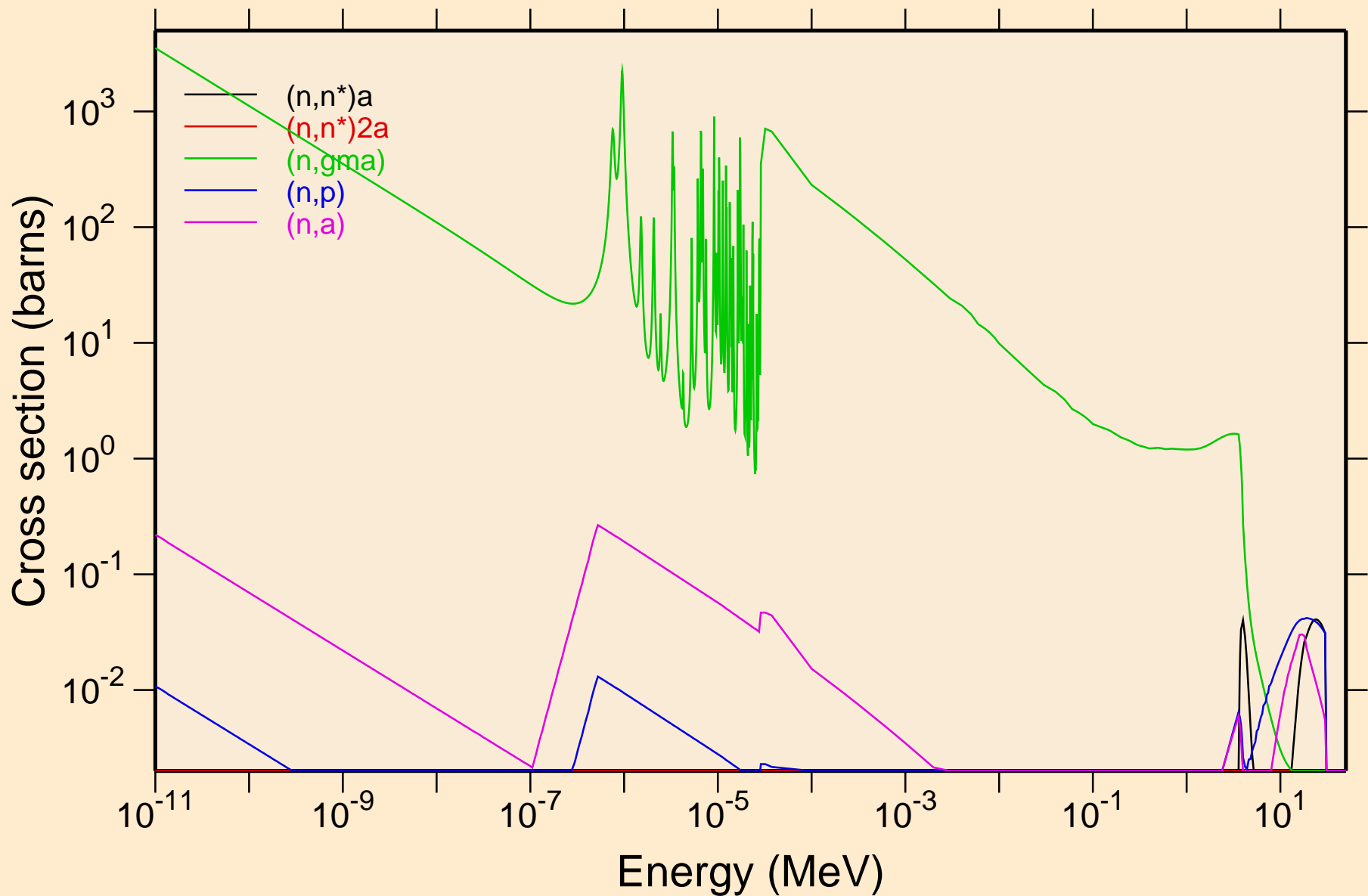
# EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Damage



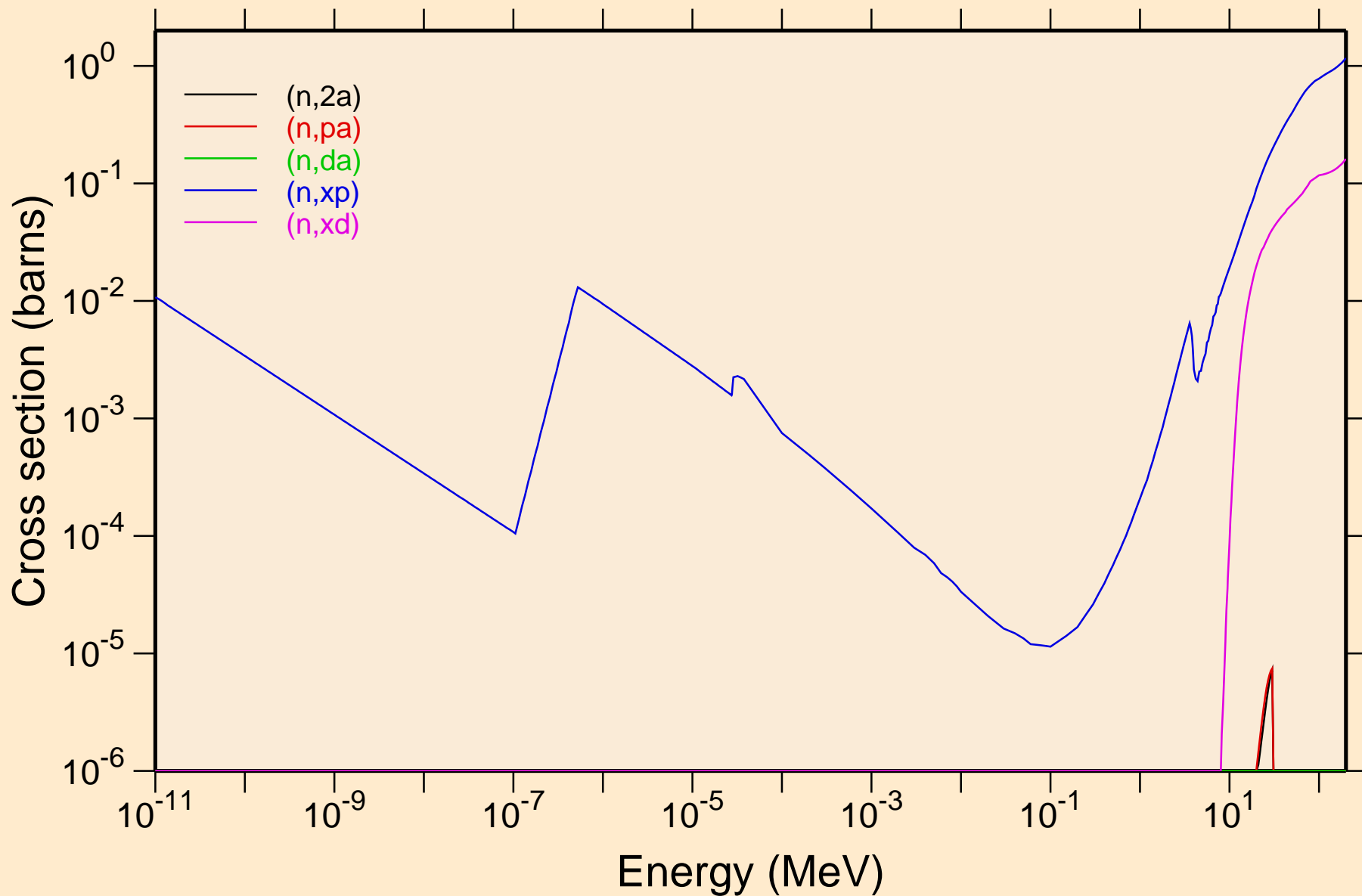
# EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Non-threshold reactions

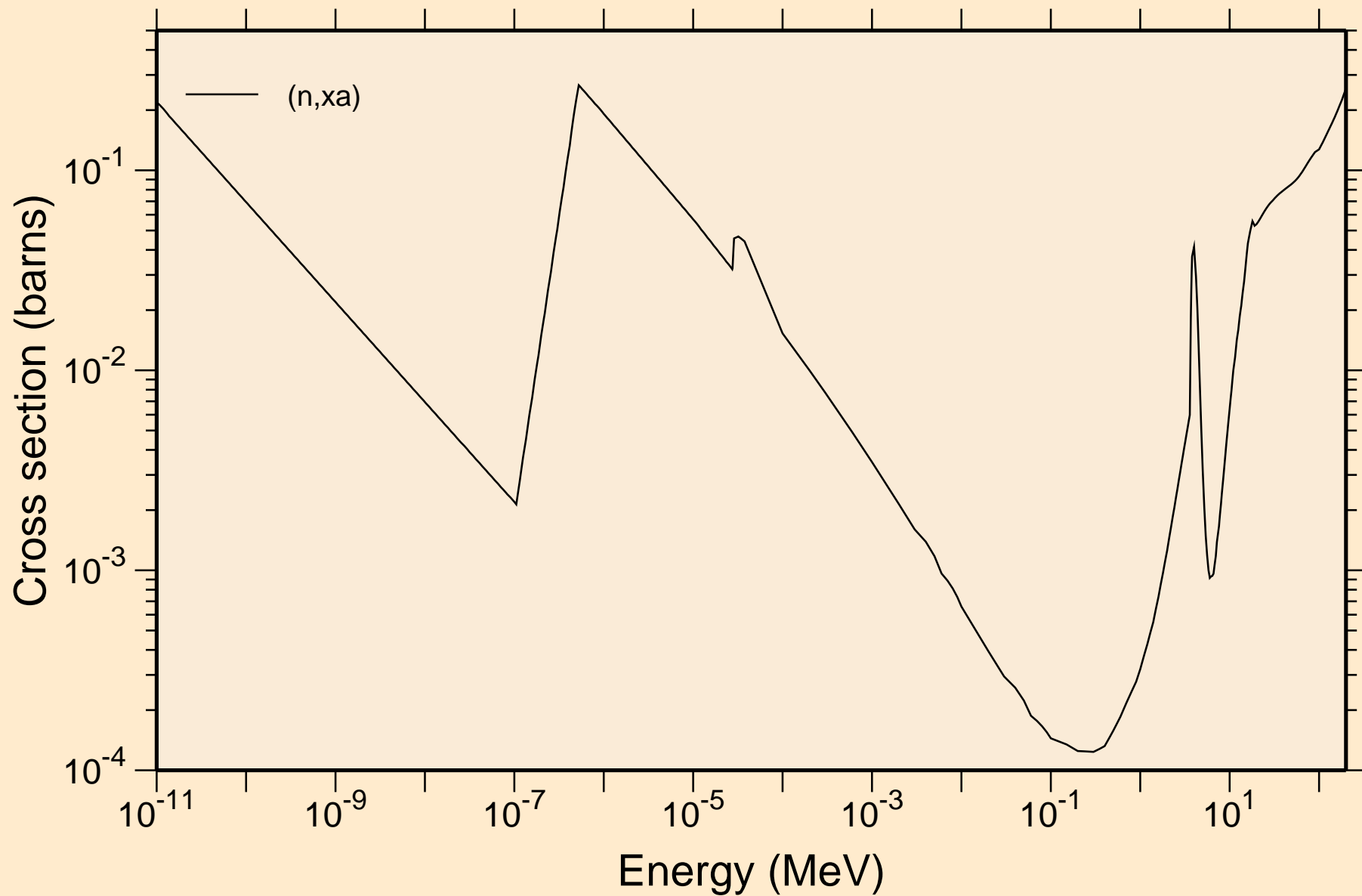


# EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Non-threshold reactions

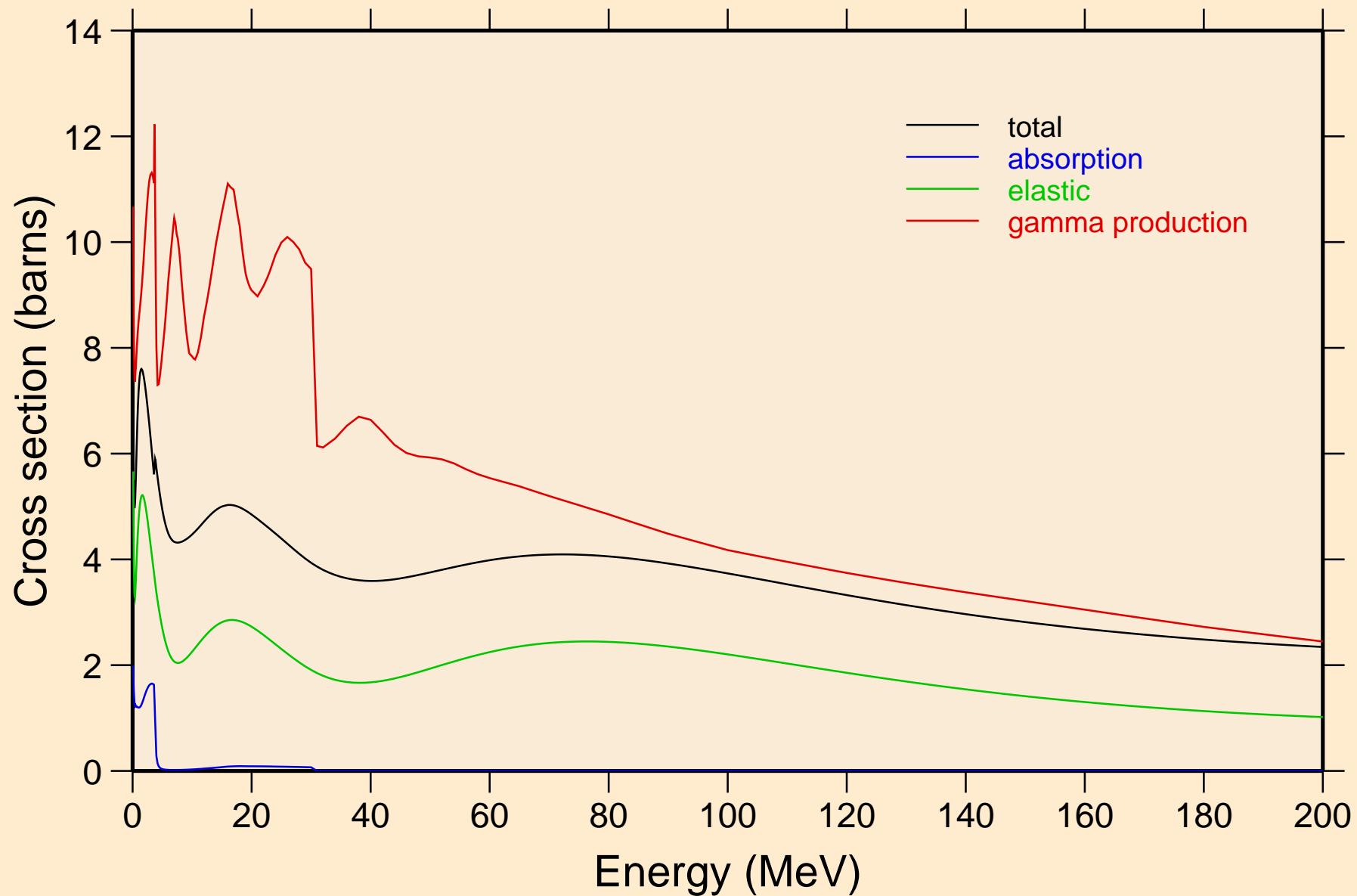


EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

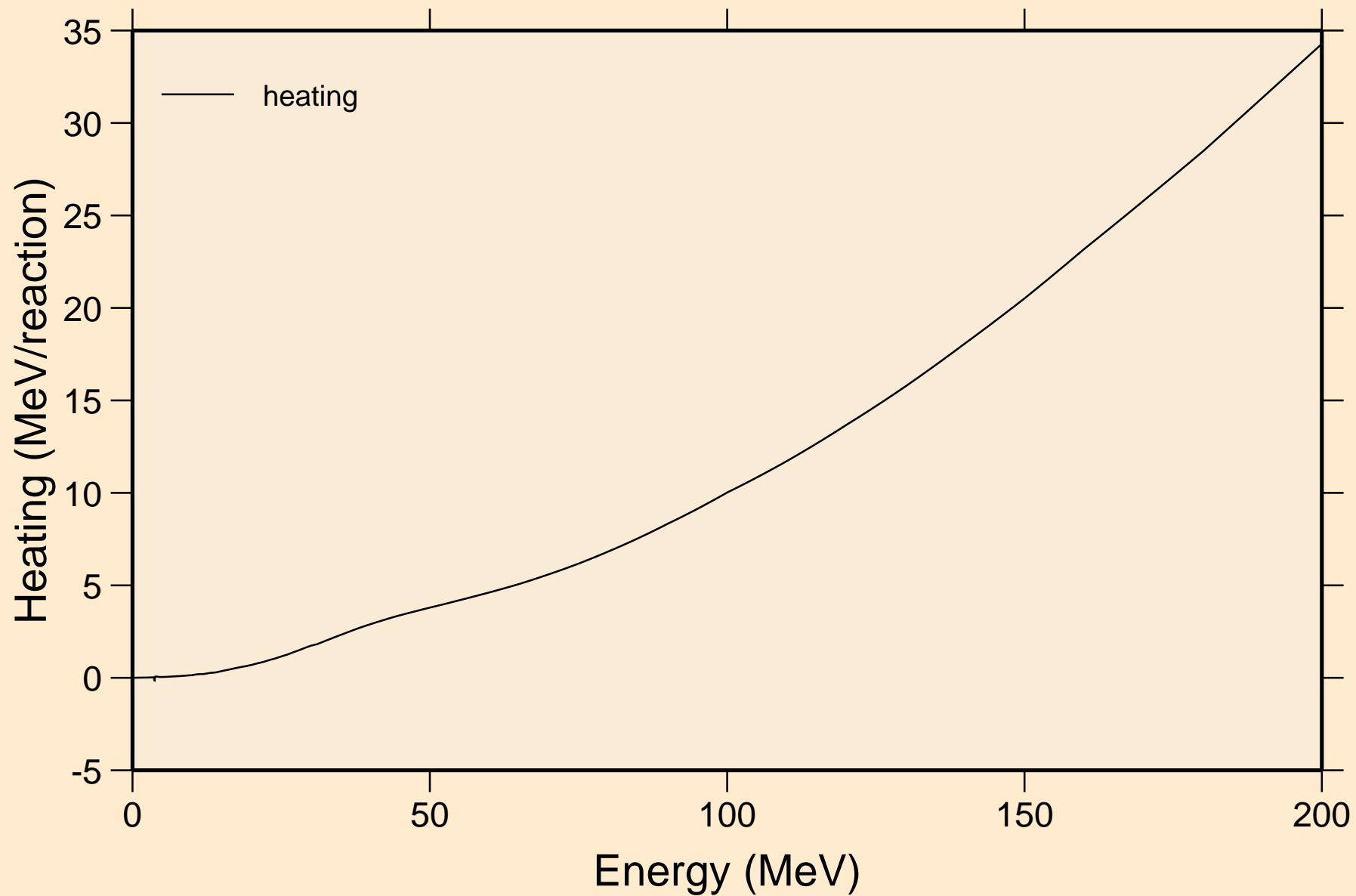


# EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections

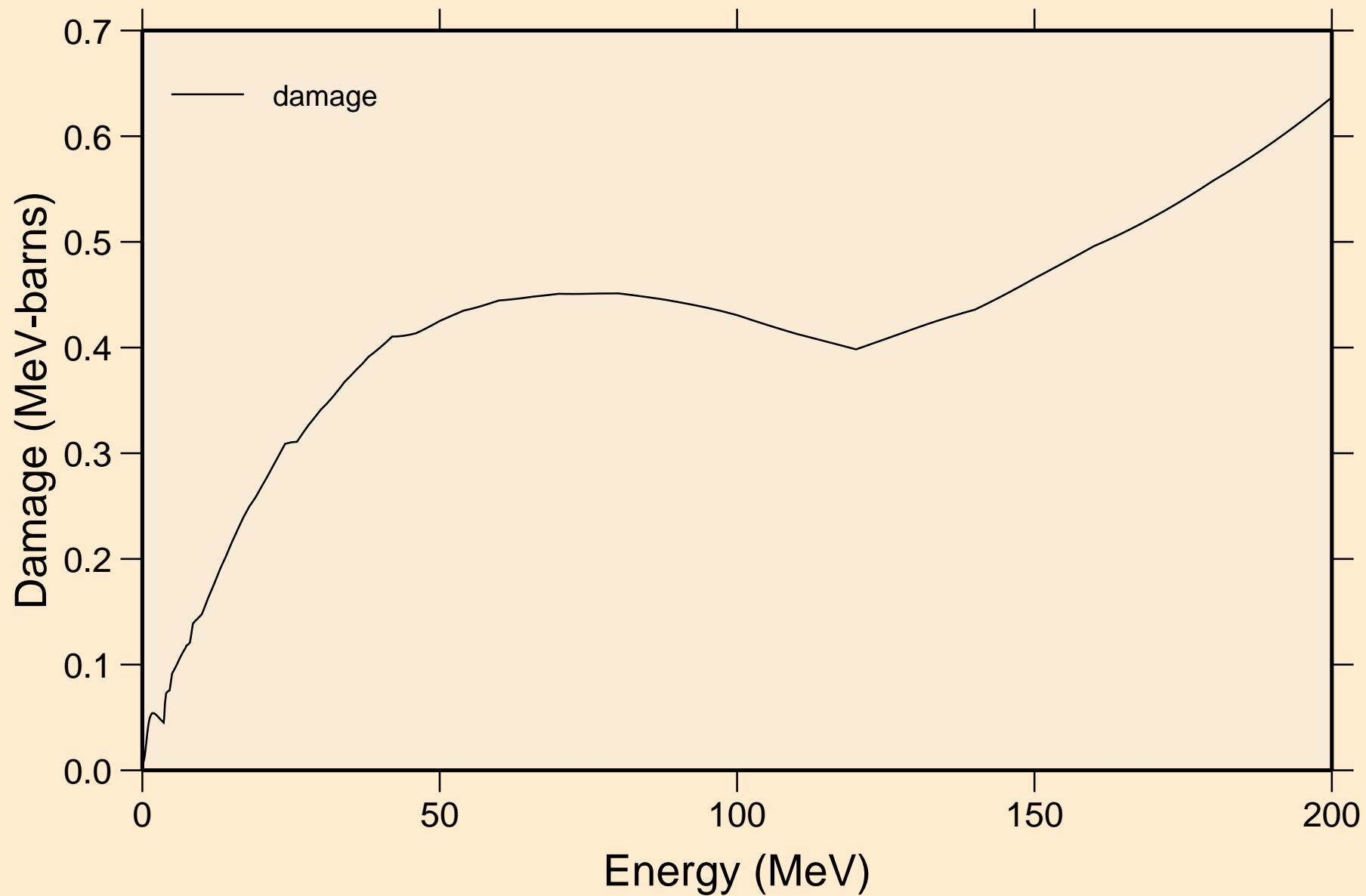


EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Heating



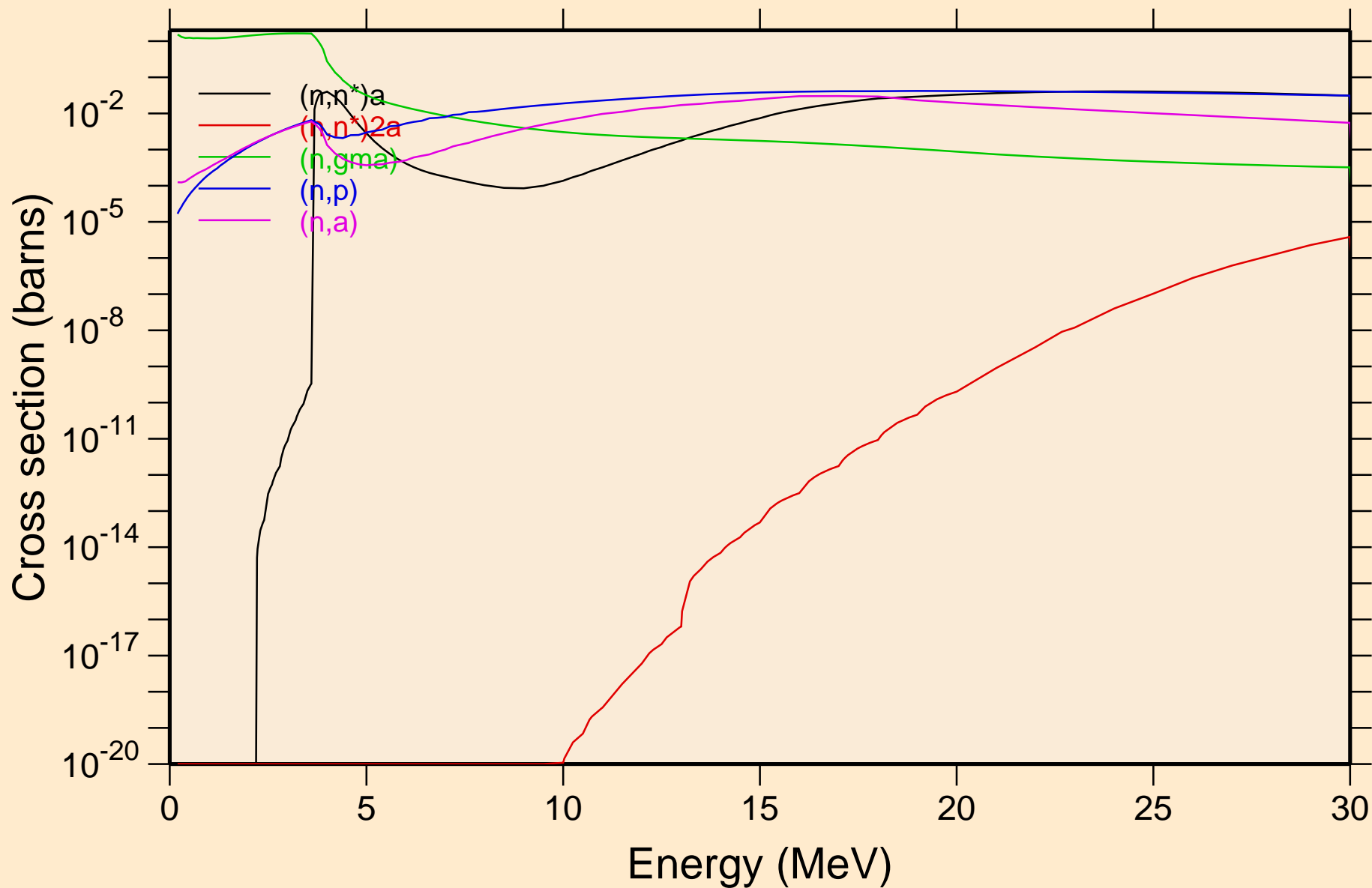


EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Damage



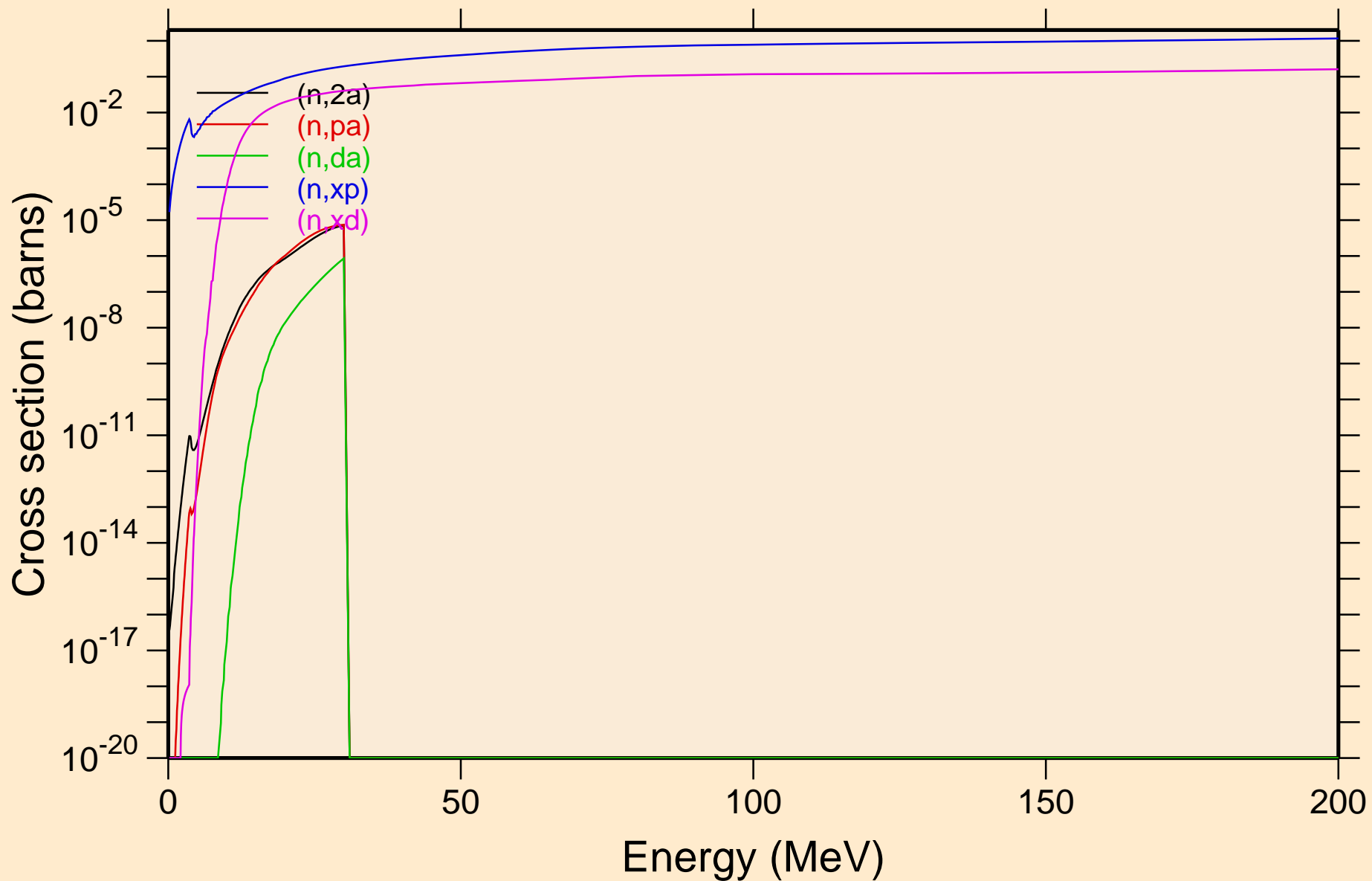
# EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Non-threshold reactions

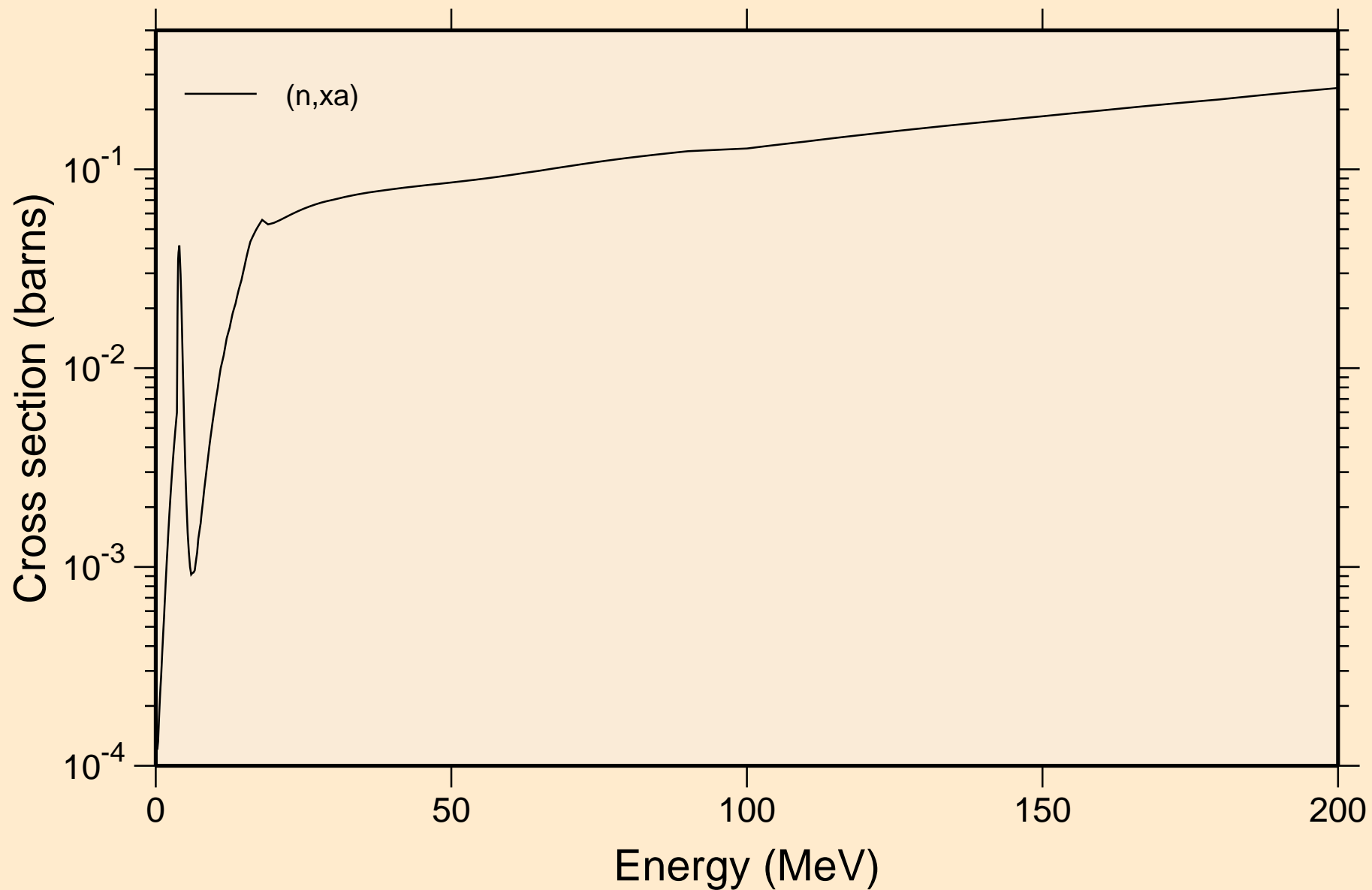


# EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

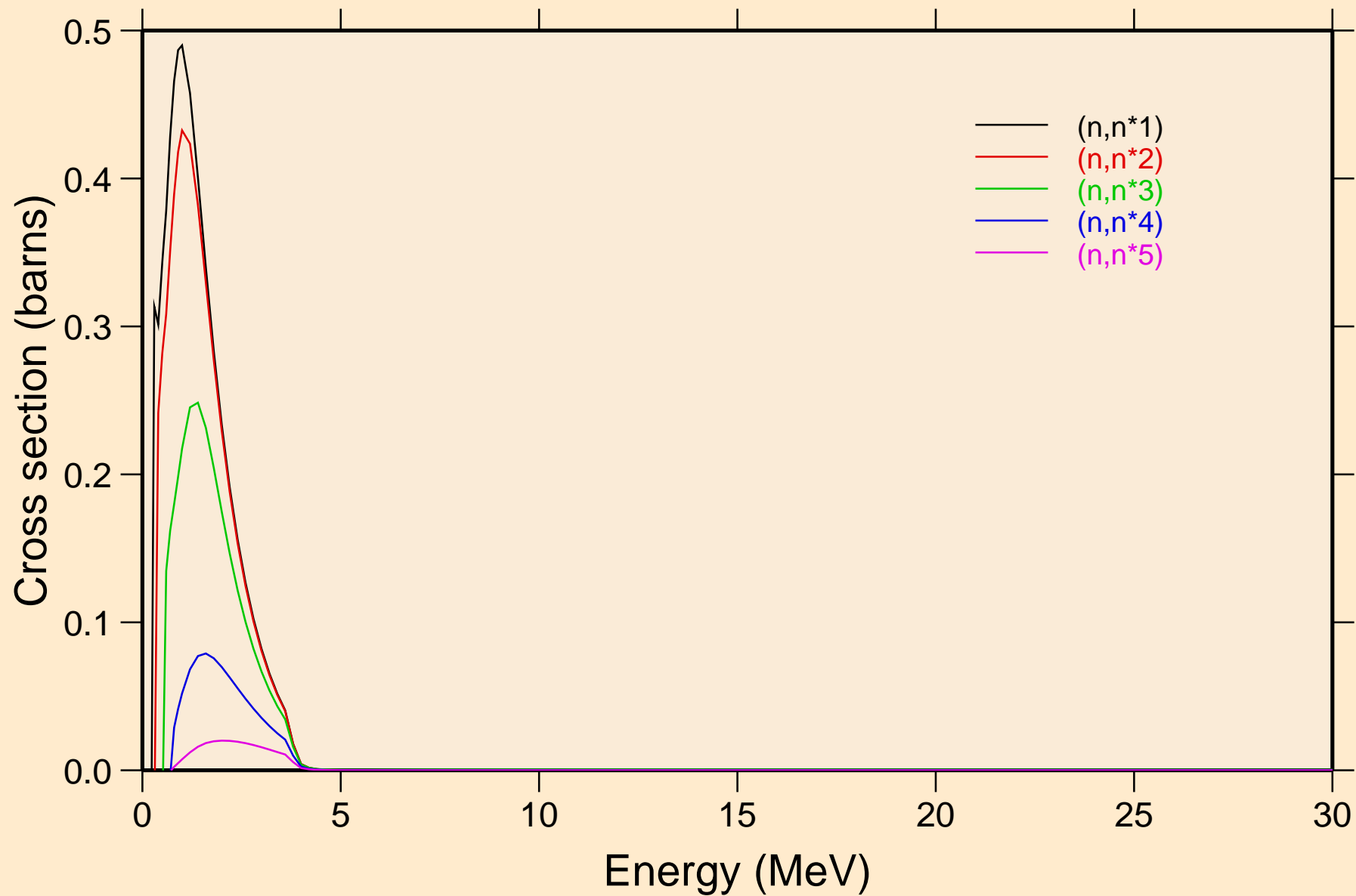
## Non-threshold reactions



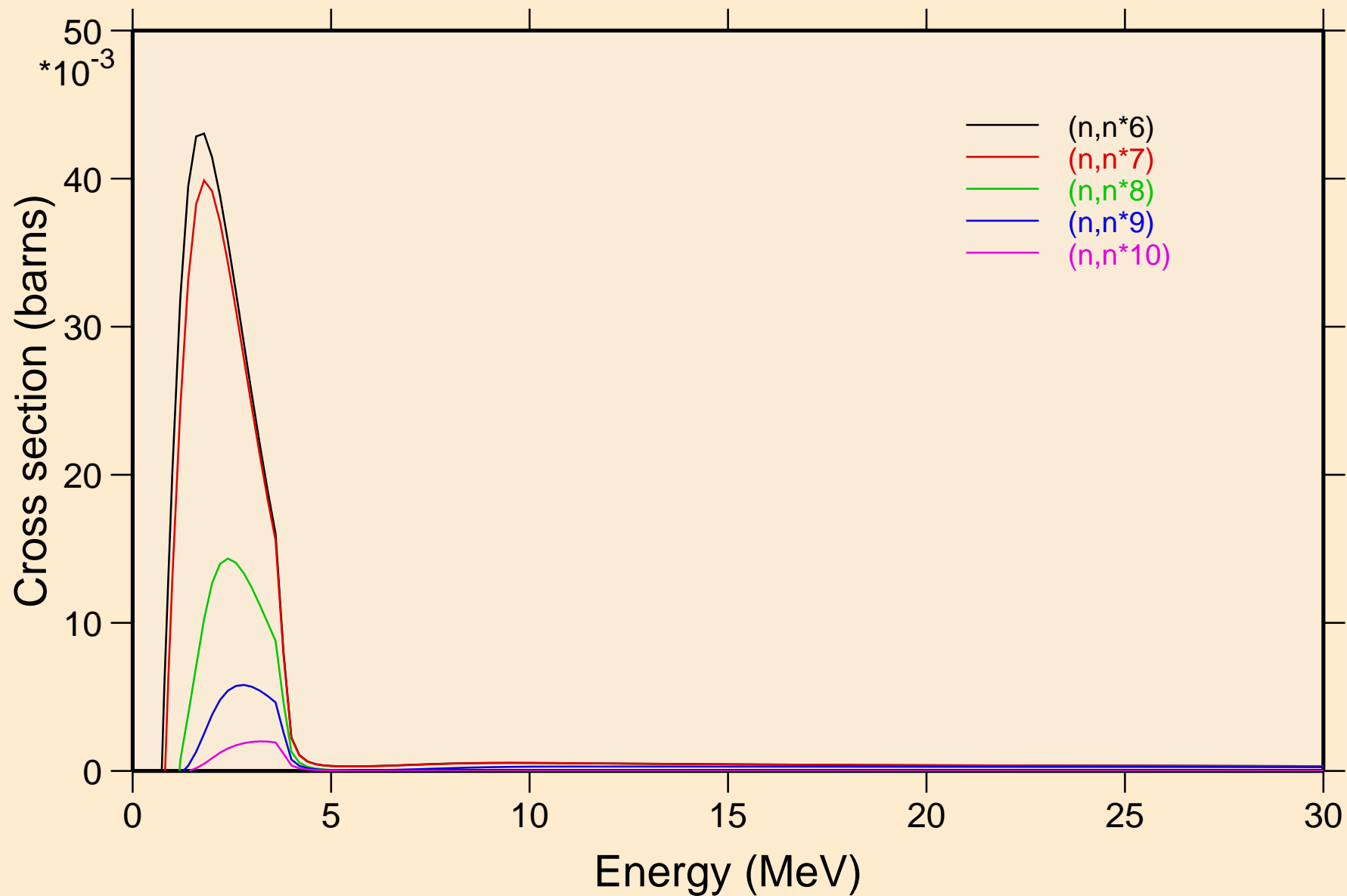
EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



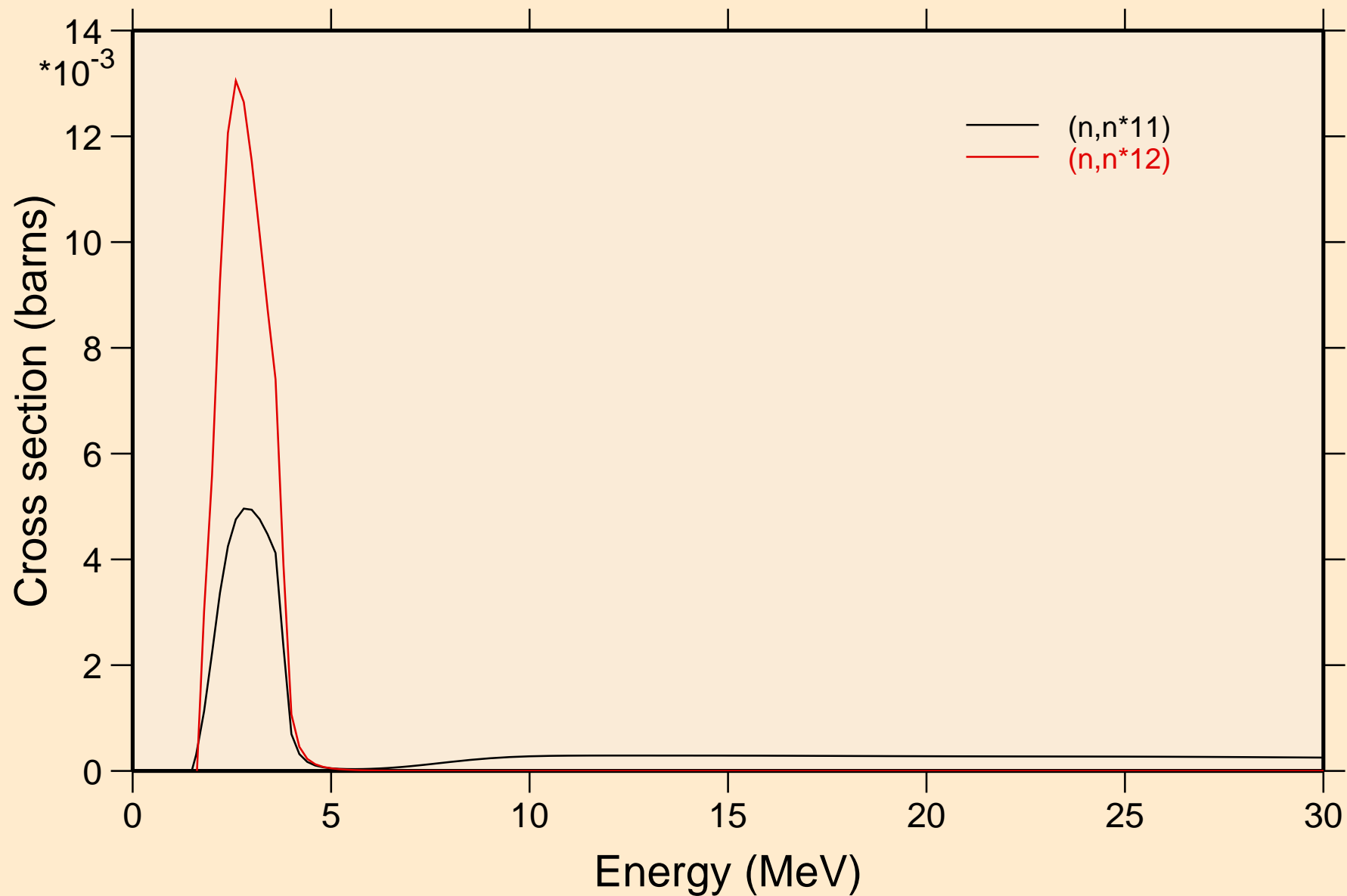
EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

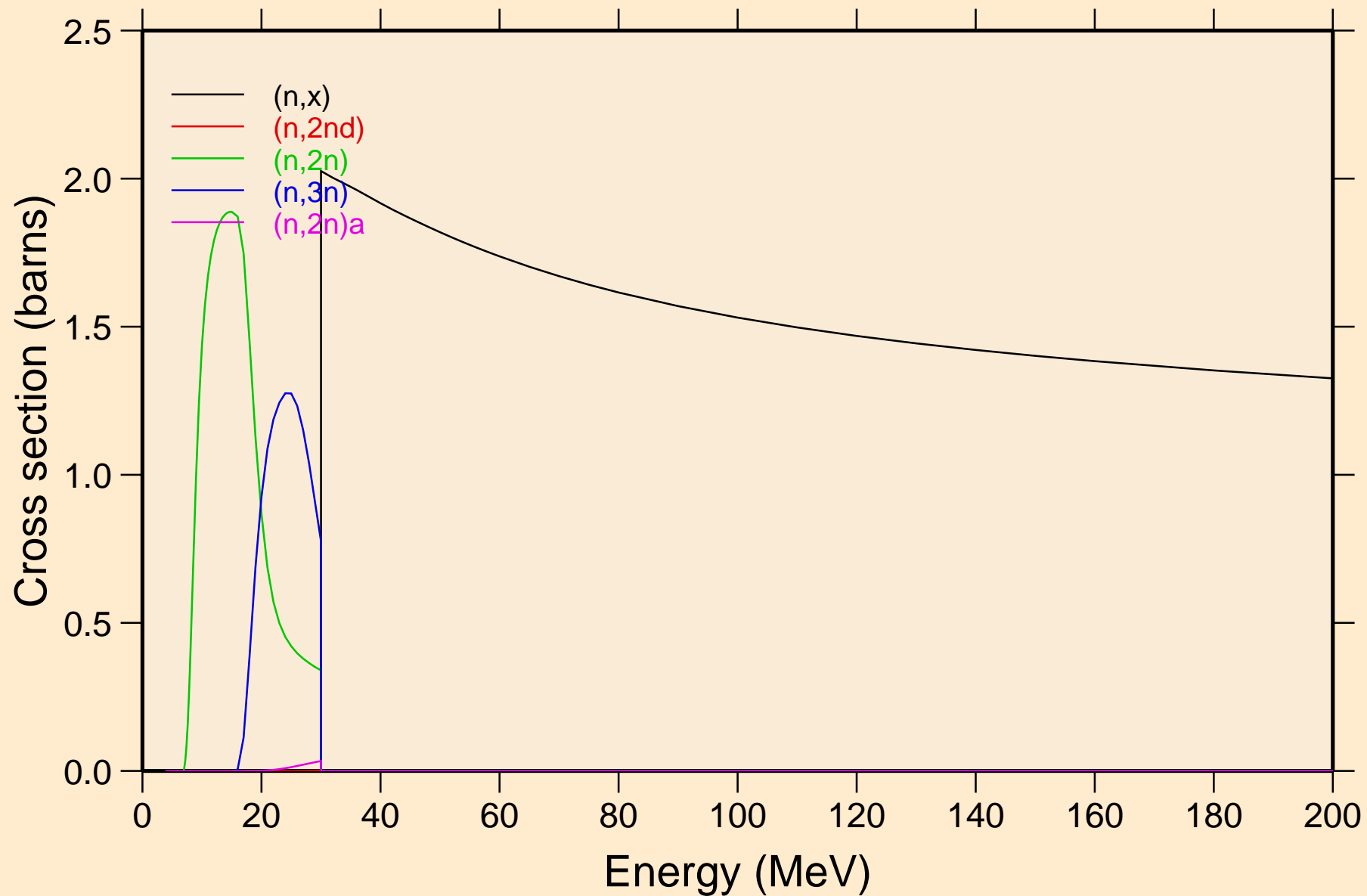


EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



# EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

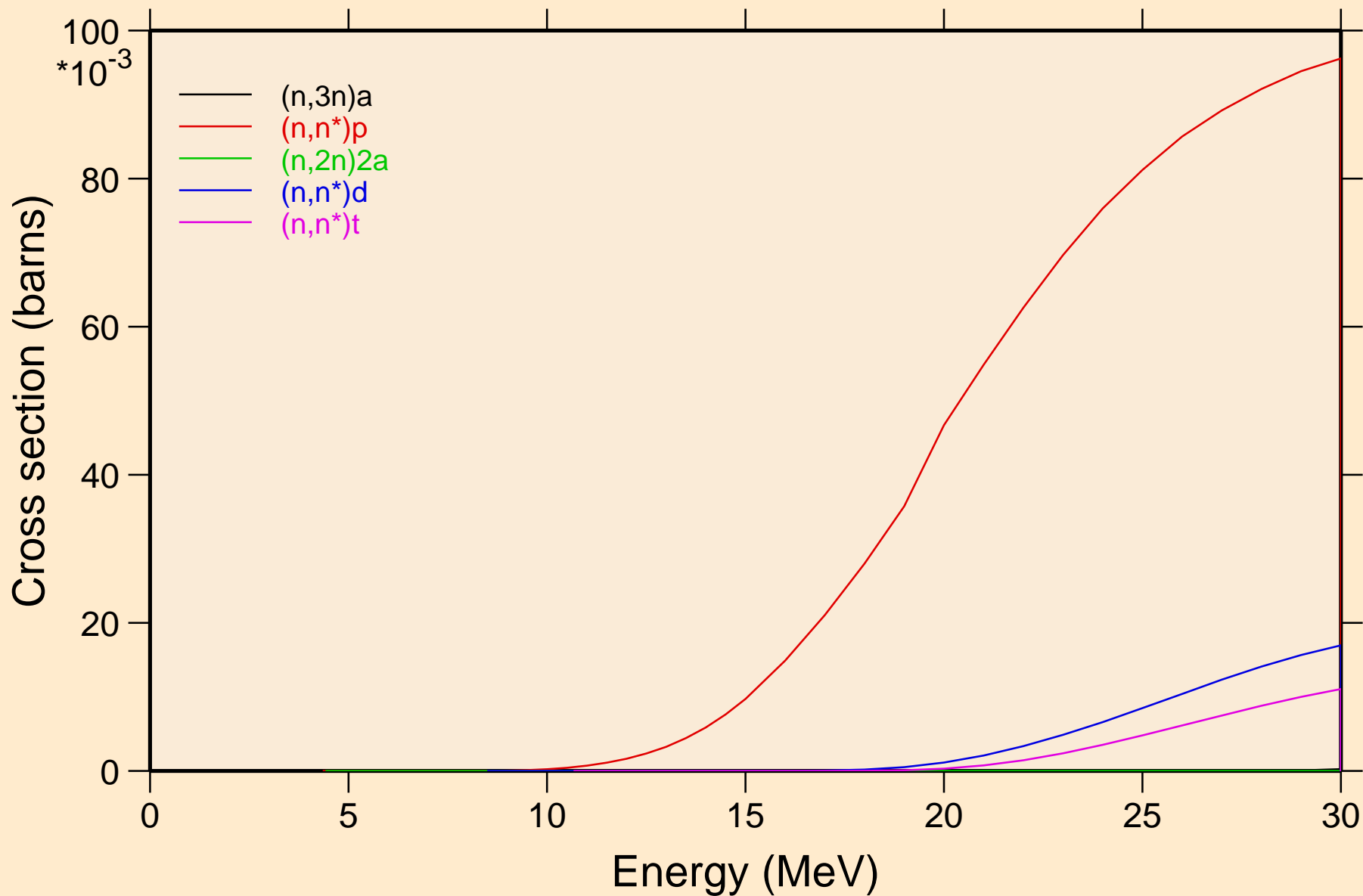
## Threshold reactions





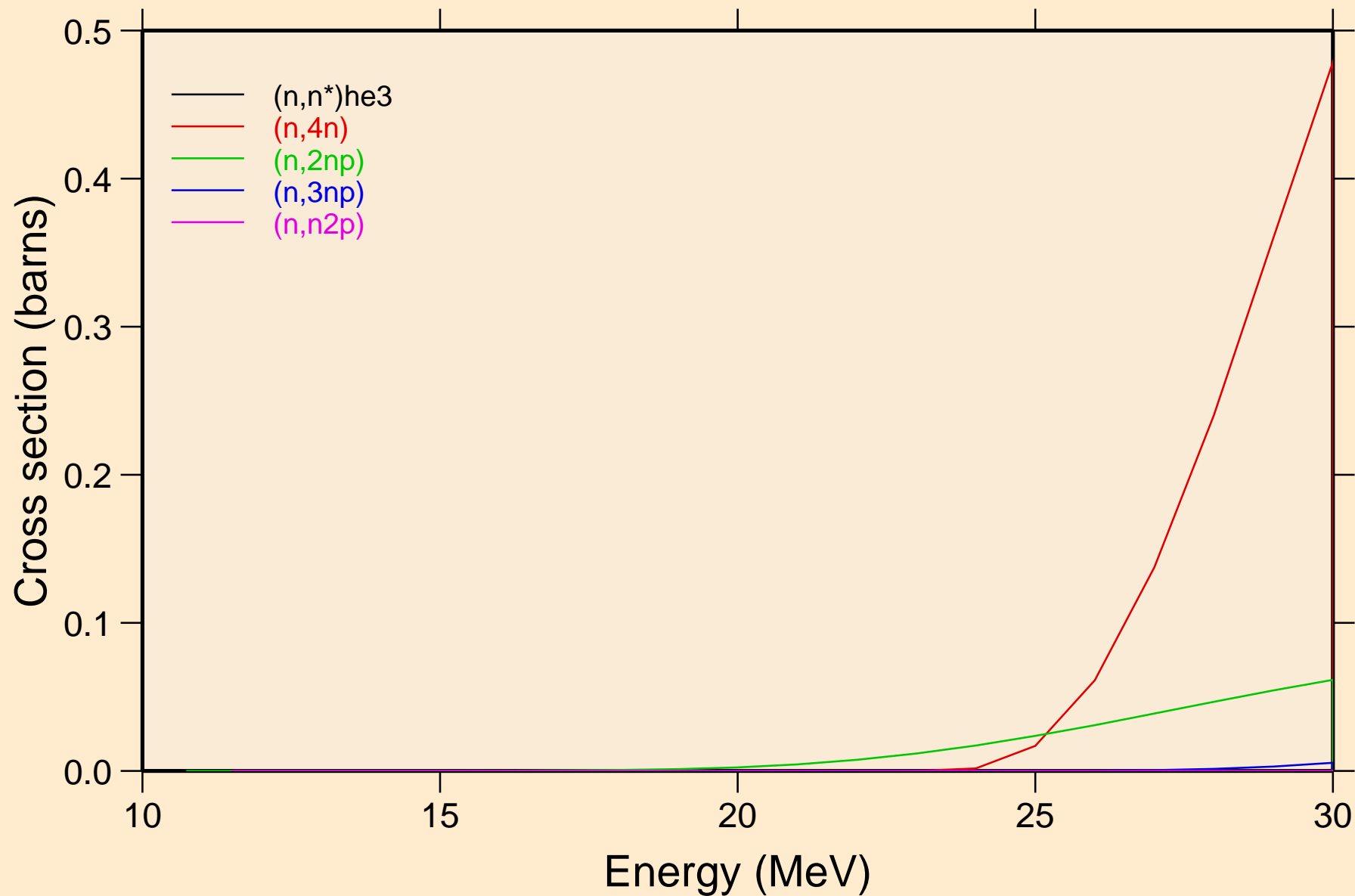
# EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



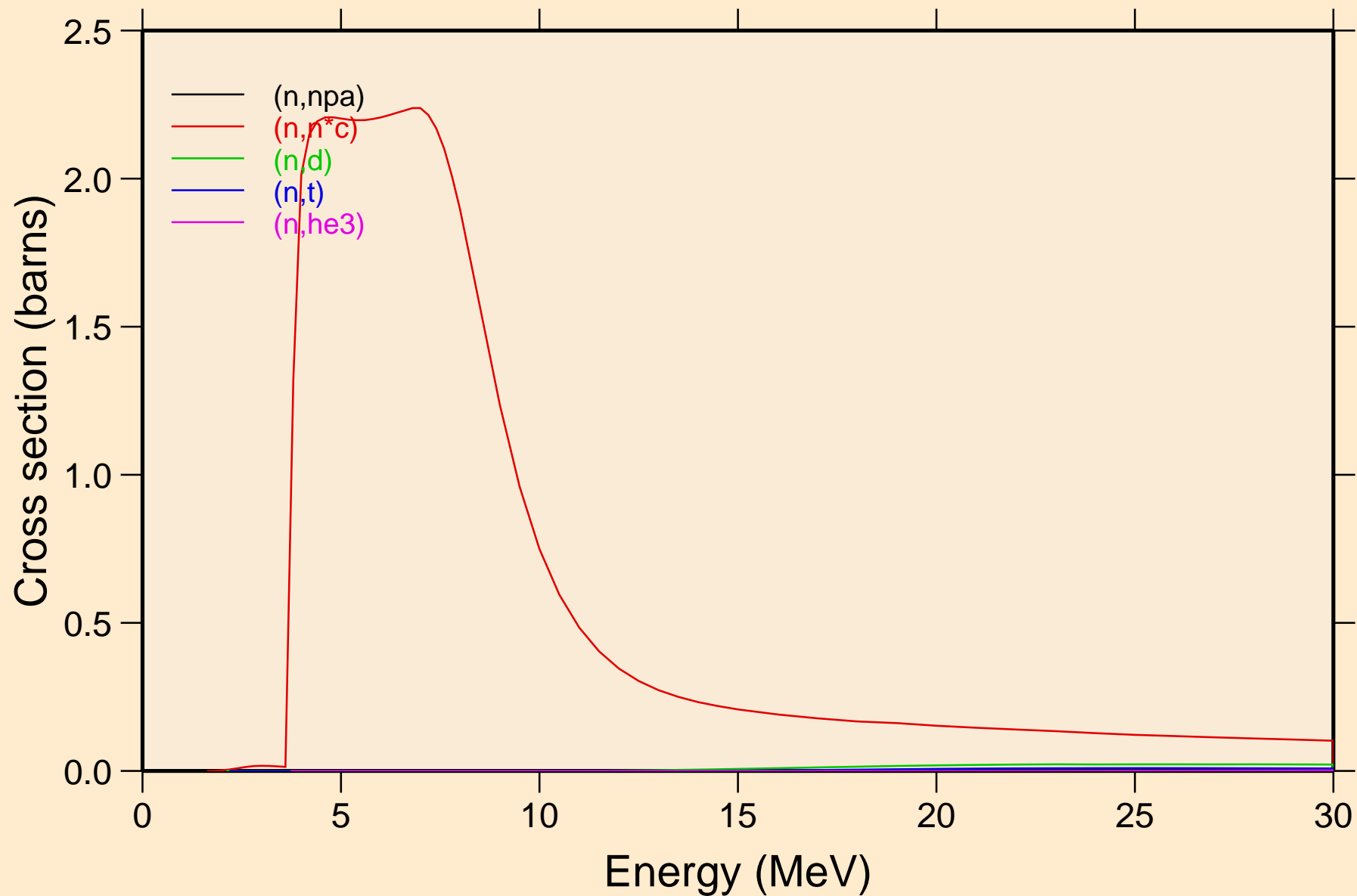
# EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



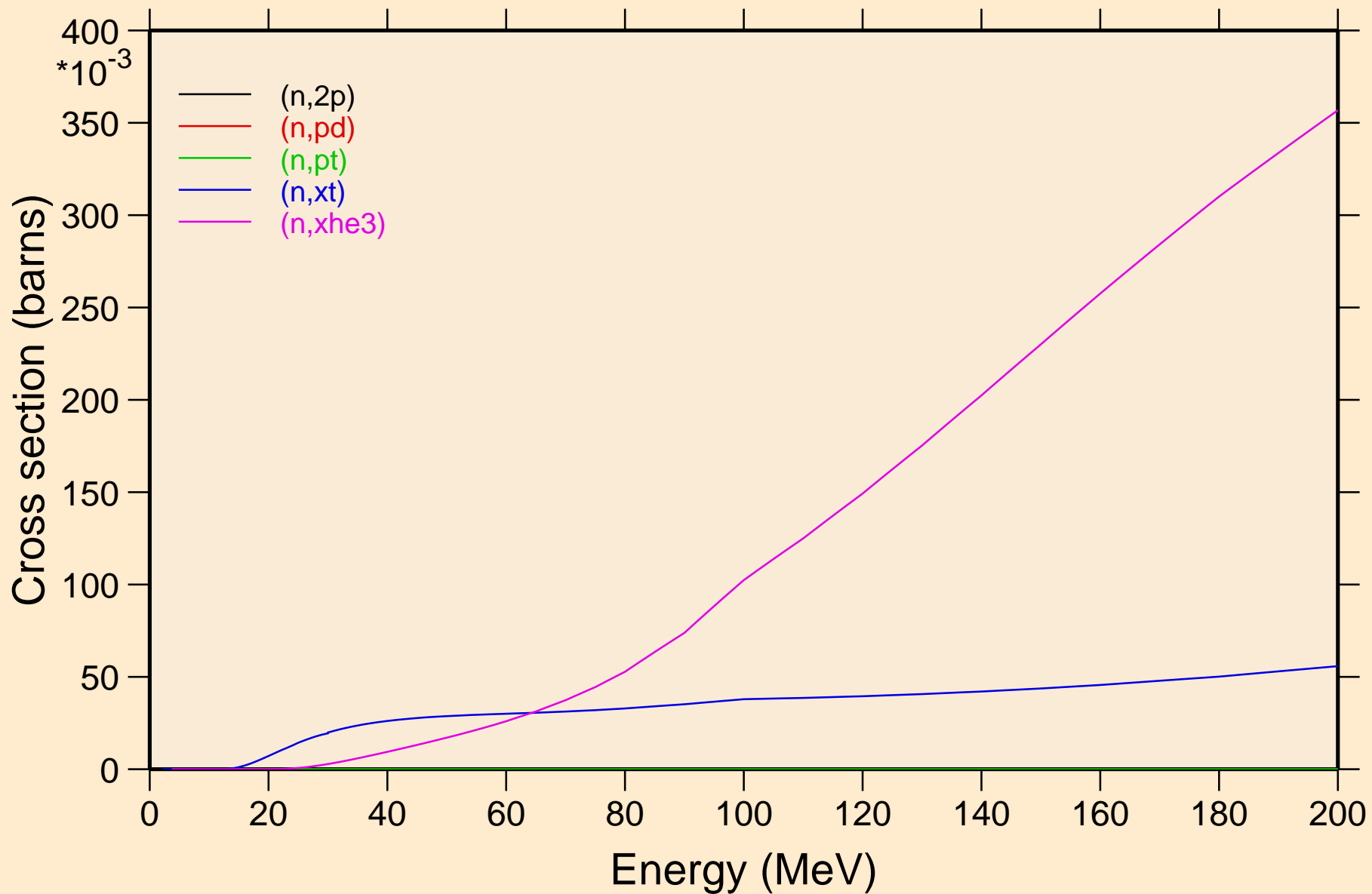
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## Threshold reactions

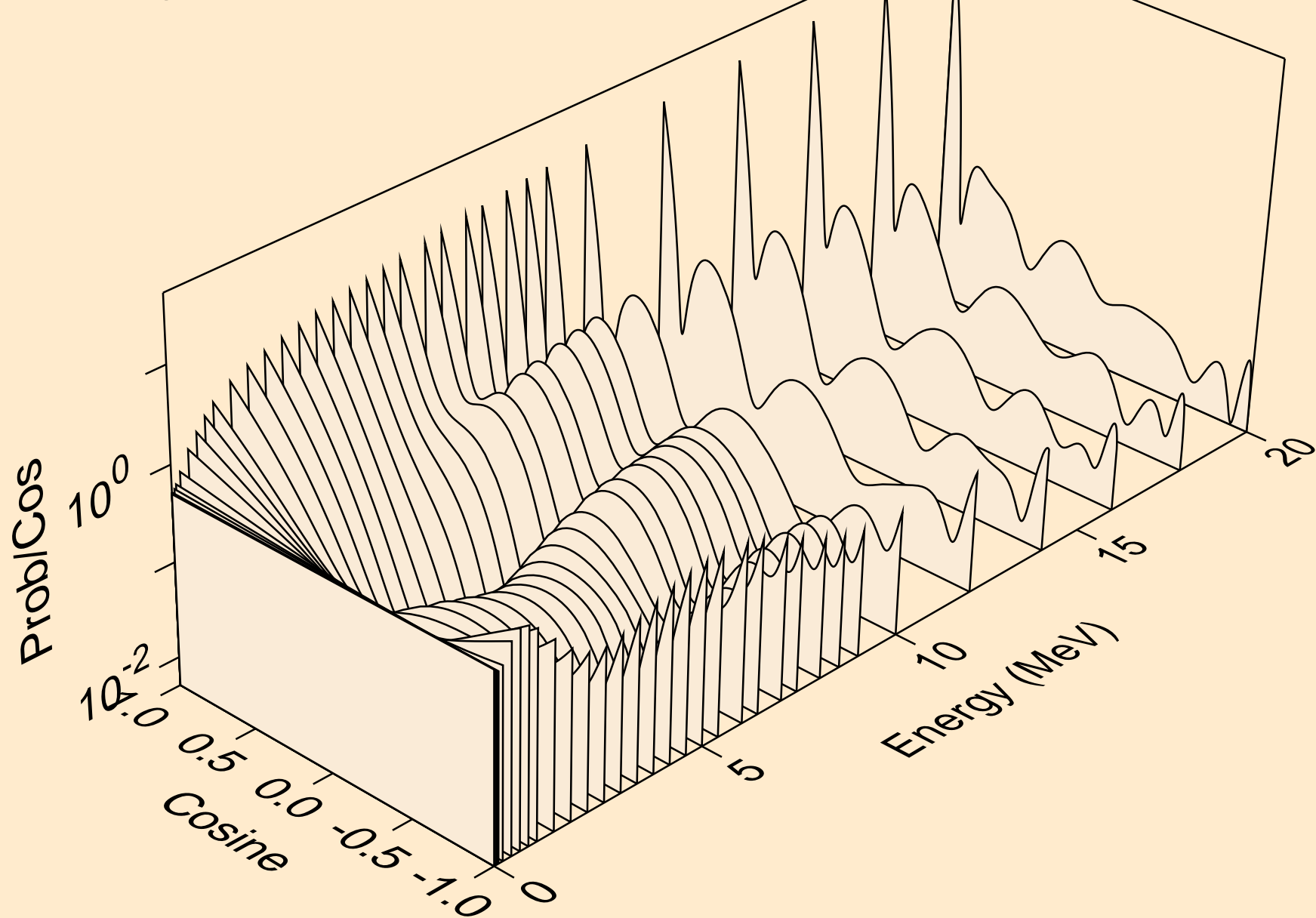


# EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

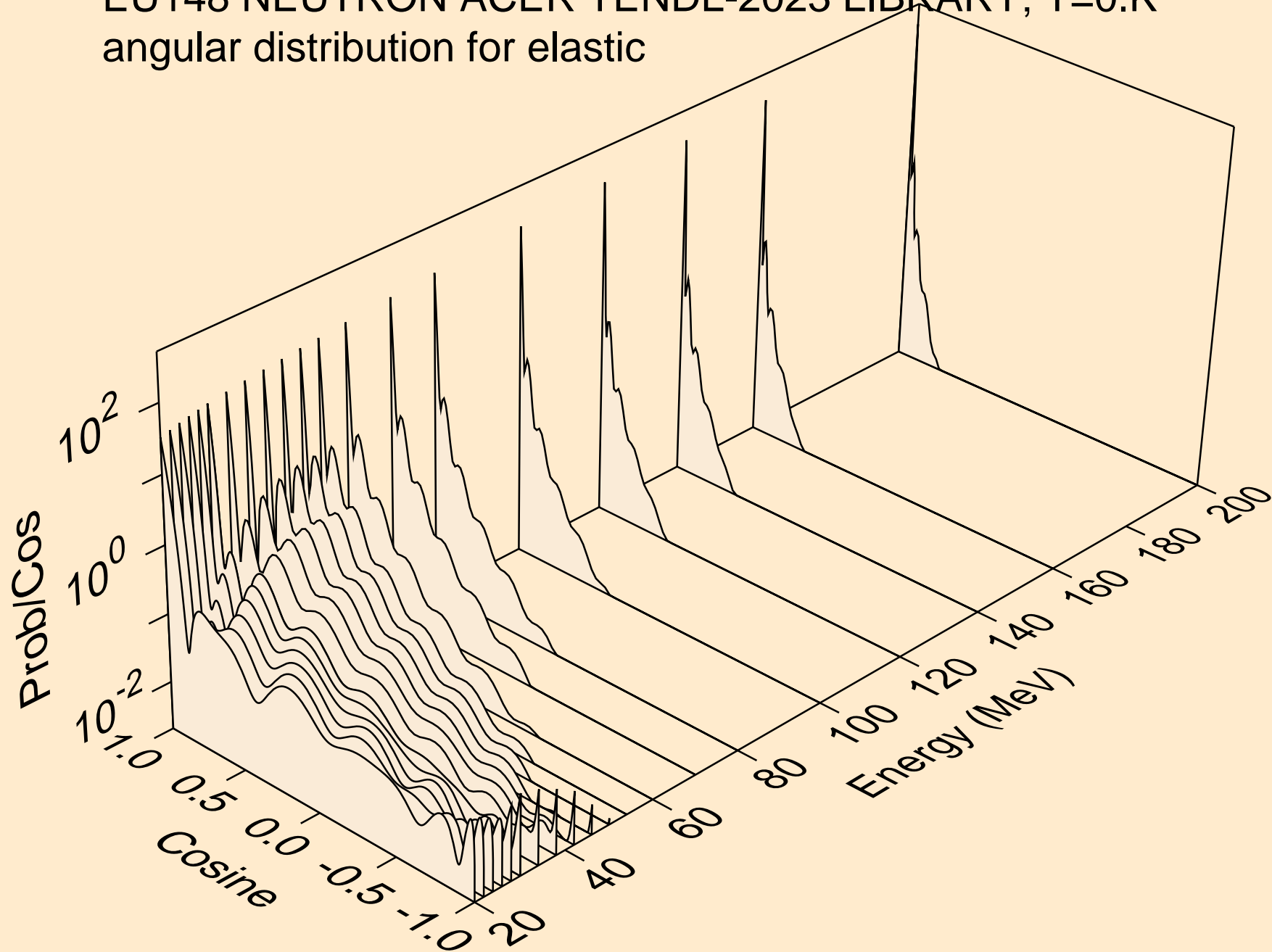
## Threshold reactions



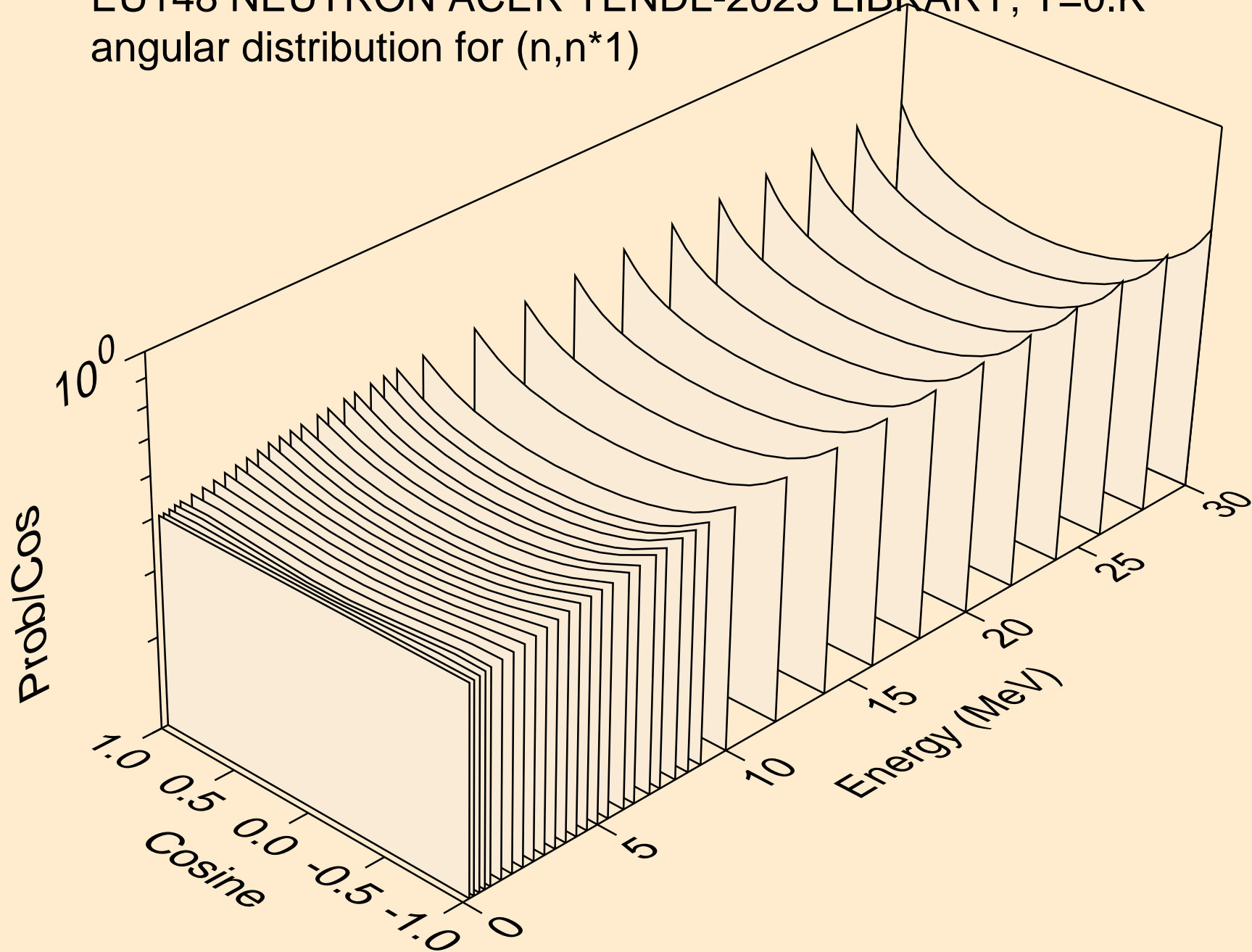
EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



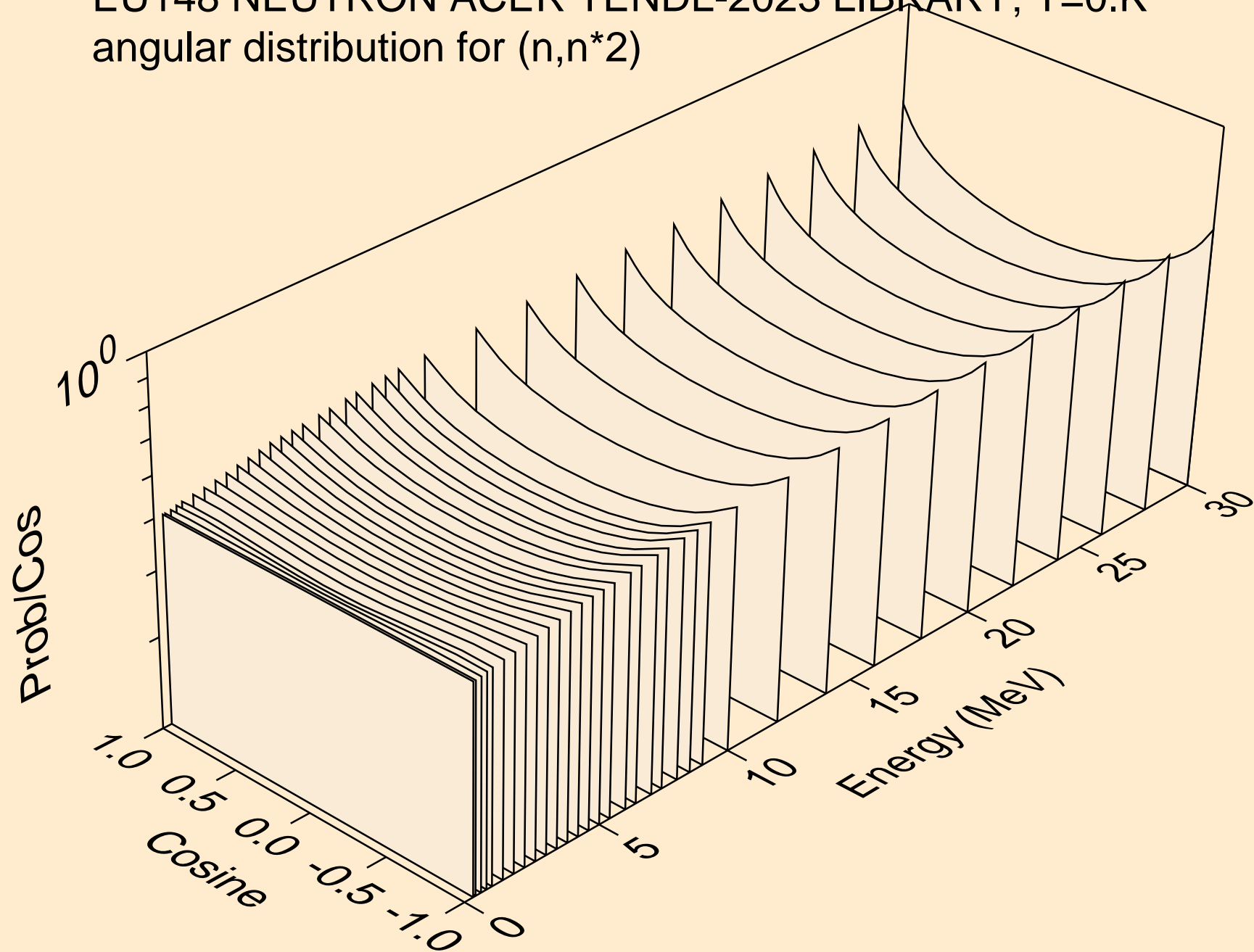
EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*1)

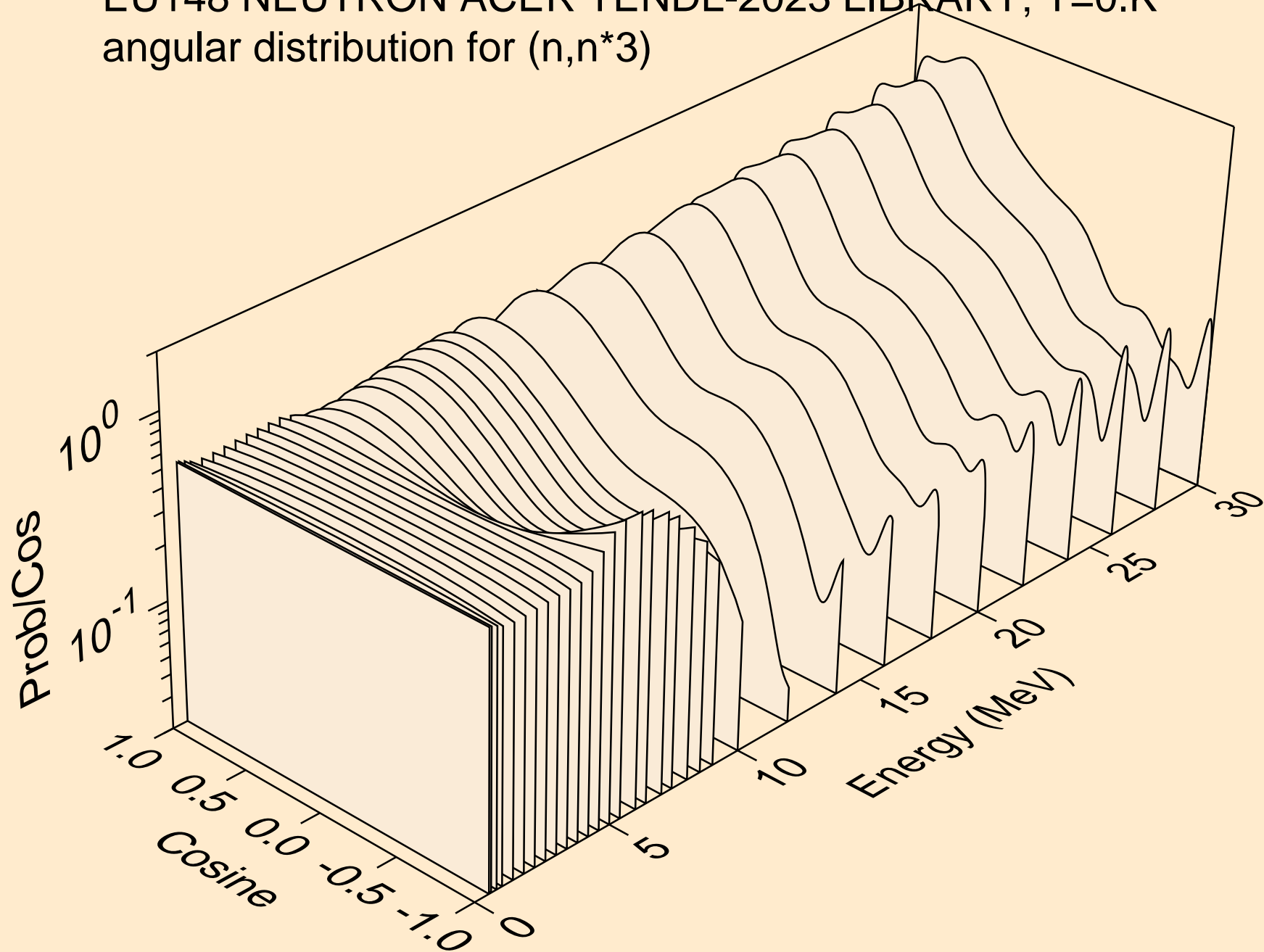


EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*2)

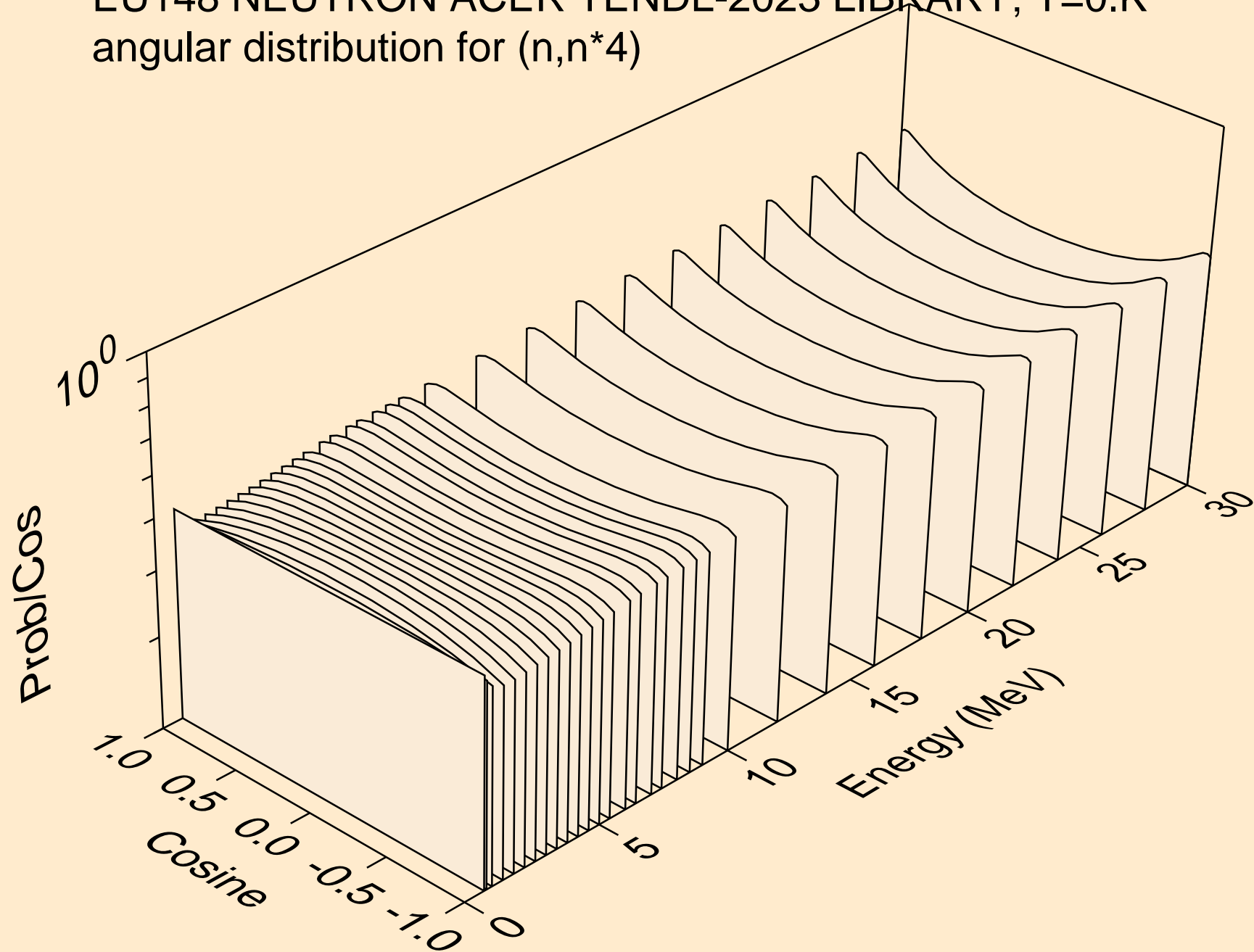




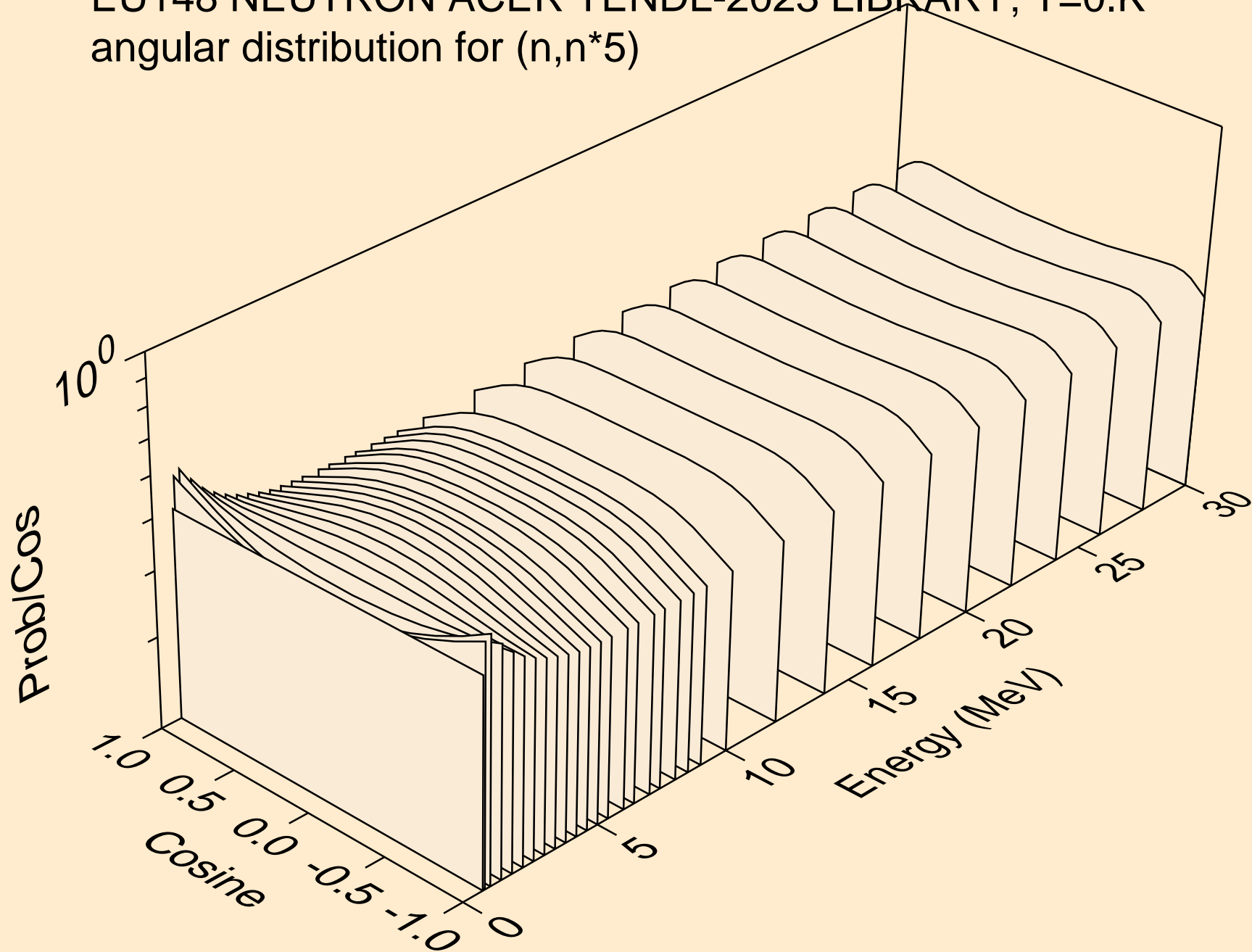
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angular distribution for (n,n\*3)



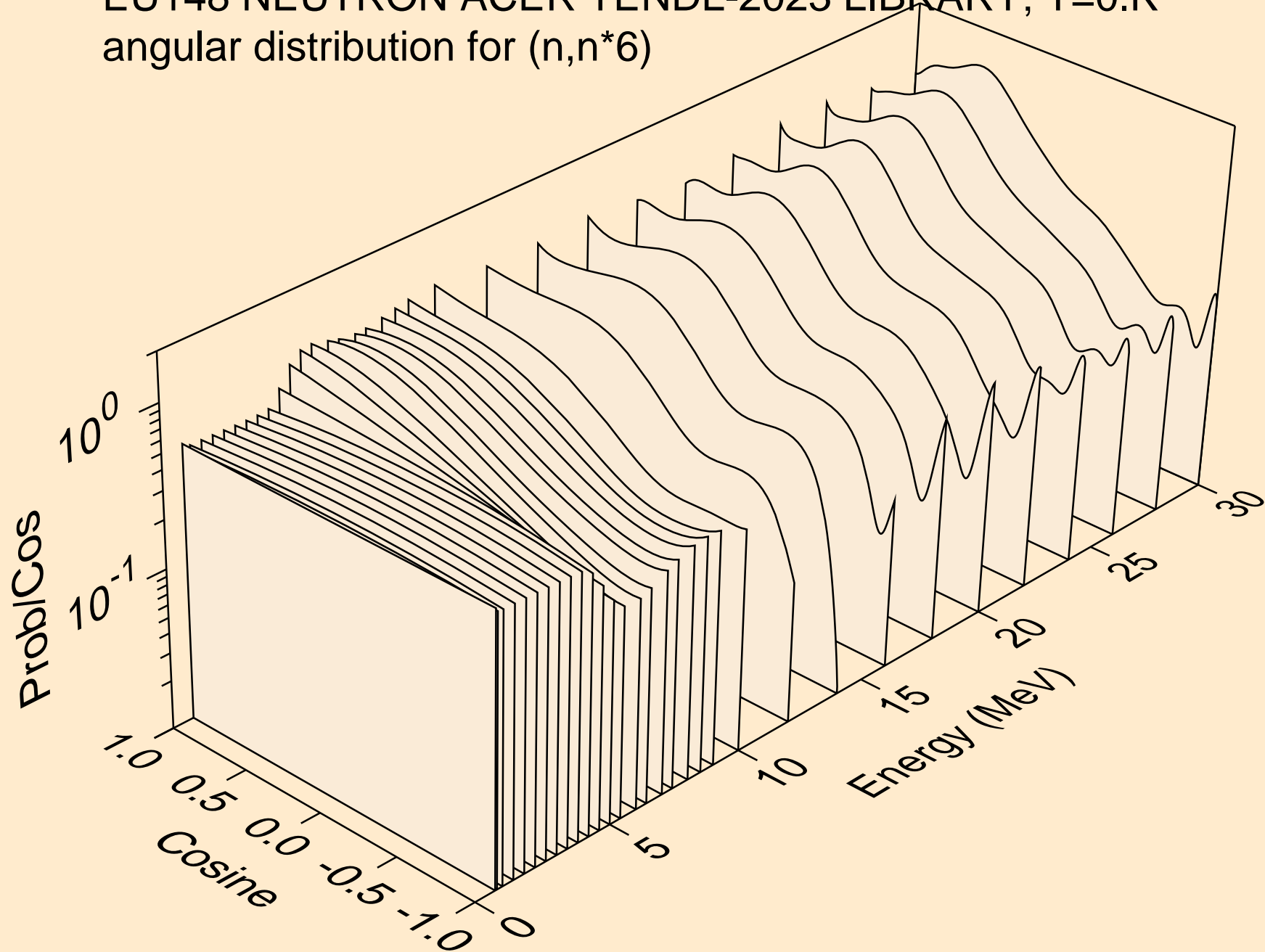
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angular distribution for (n,n\*4)



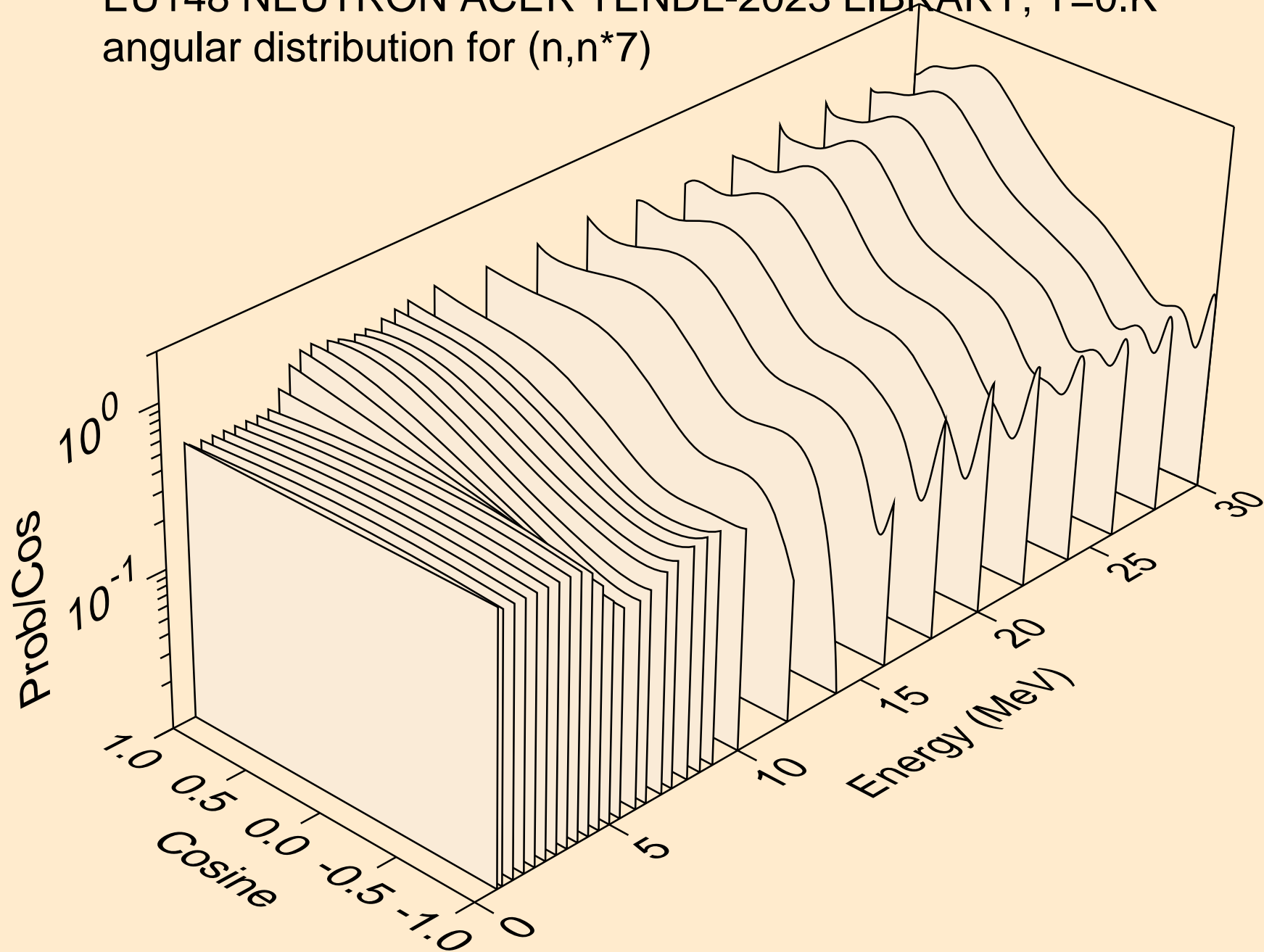
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angular distribution for (n,n\*5)



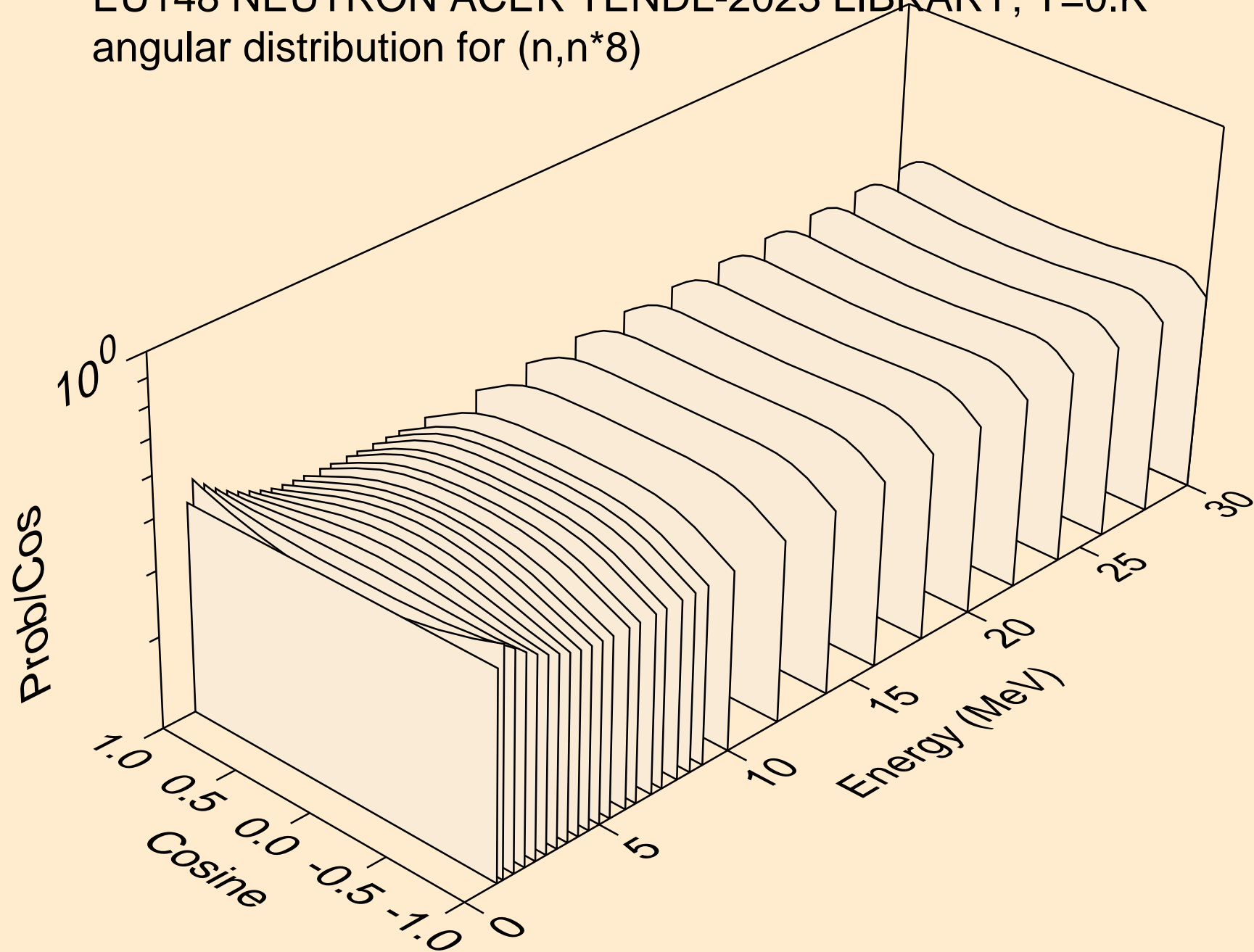
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angular distribution for (n,n\*6)



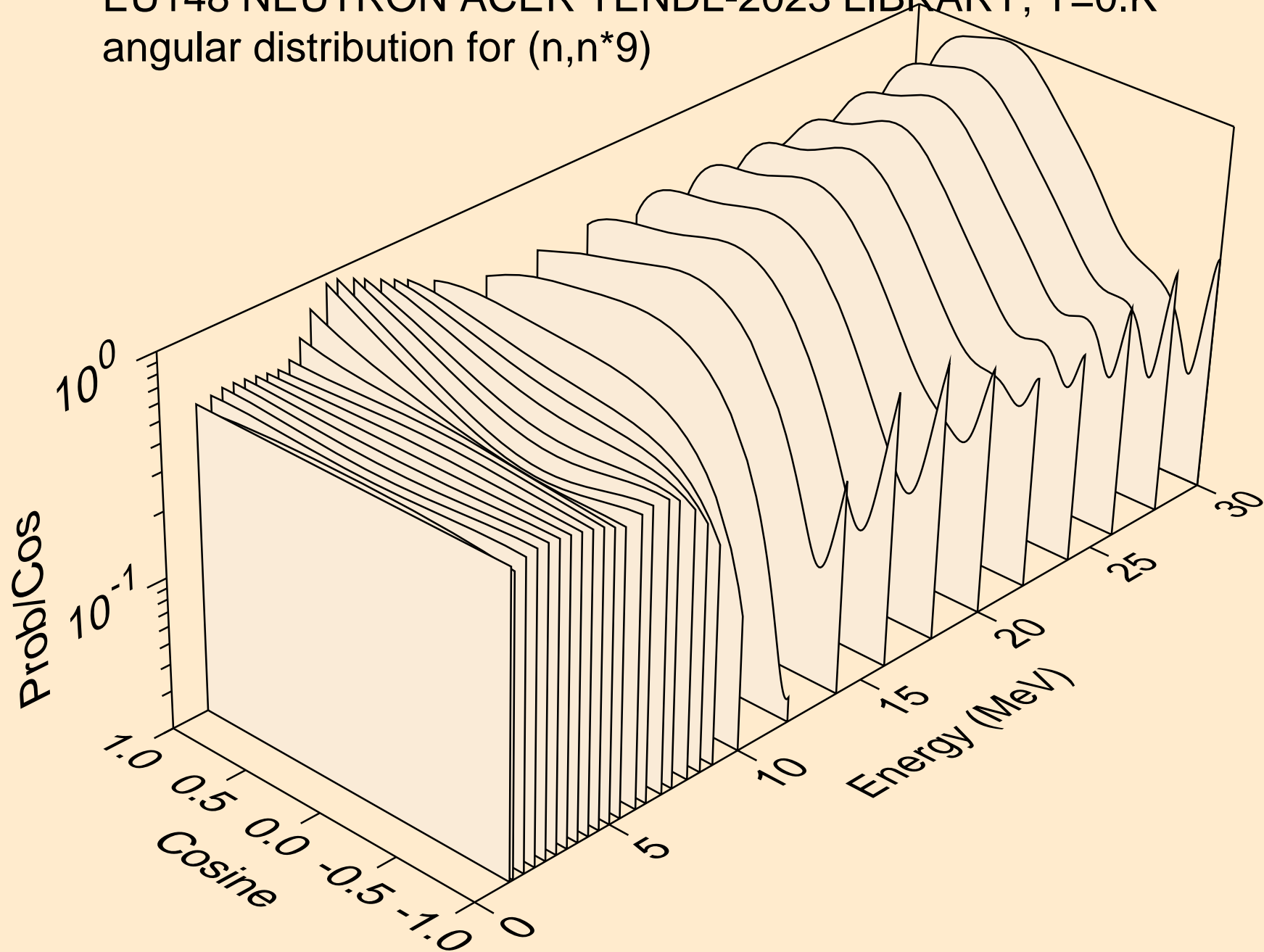
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angular distribution for (n,n\*7)



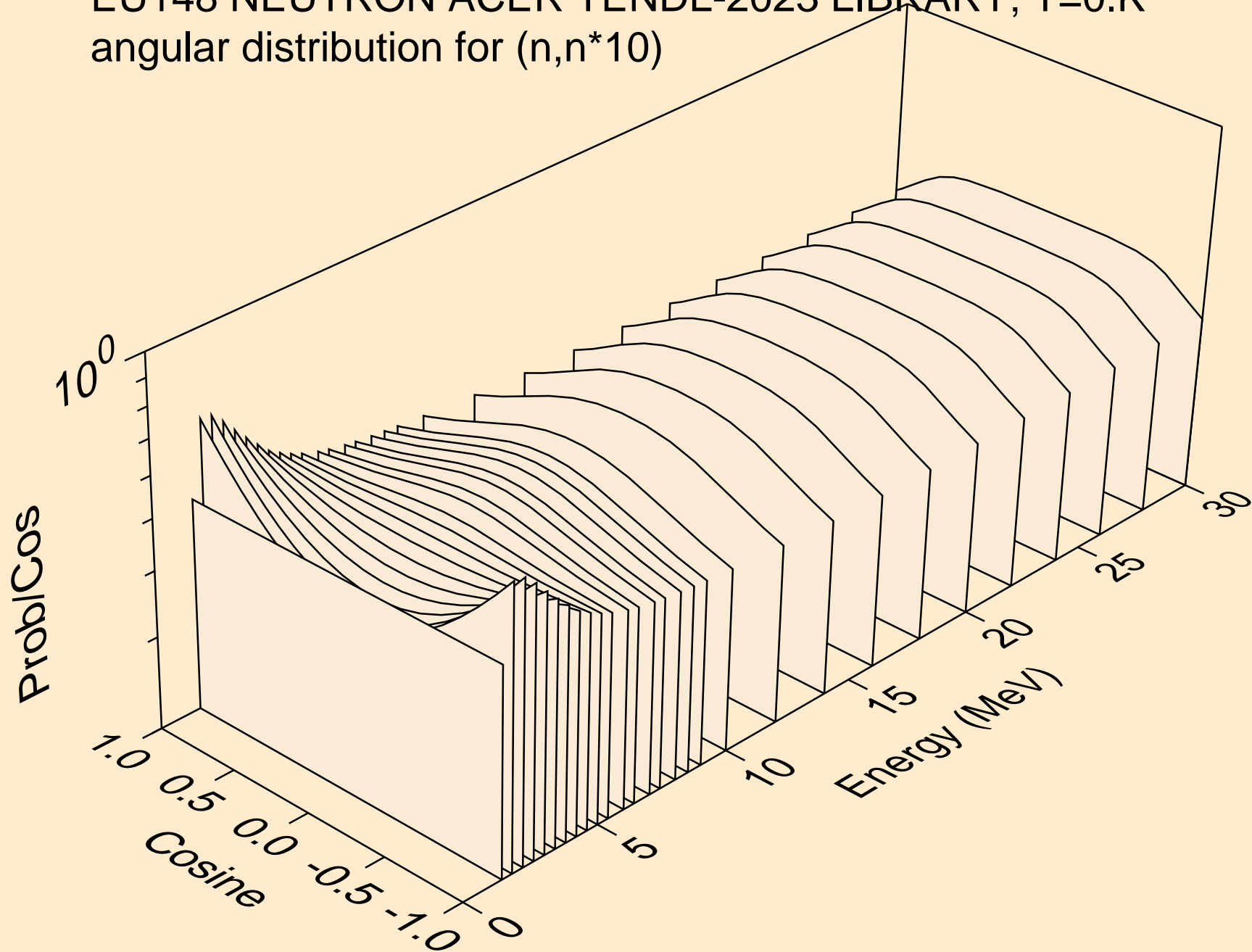
EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*8)



EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*9)

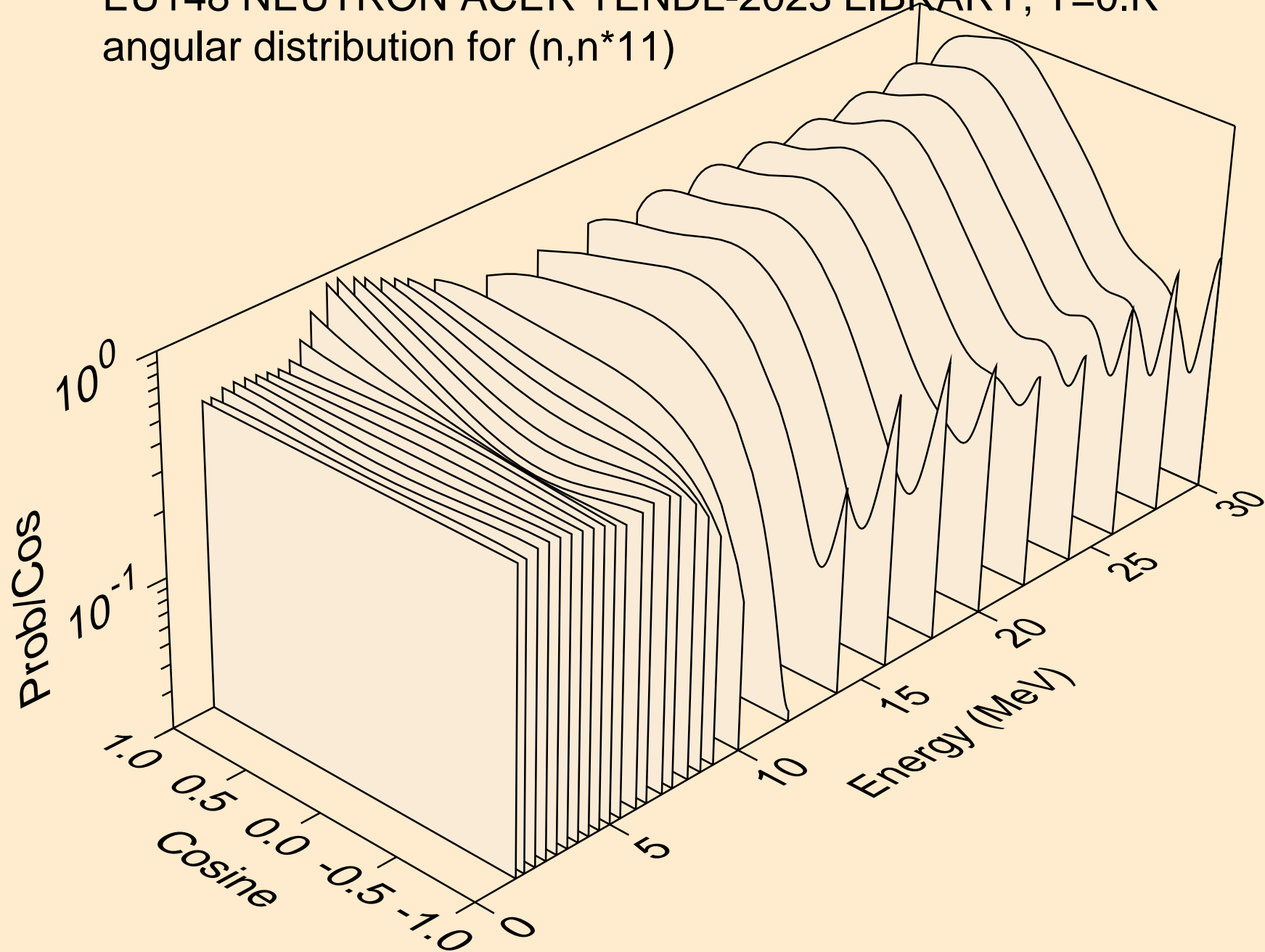


EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*10)

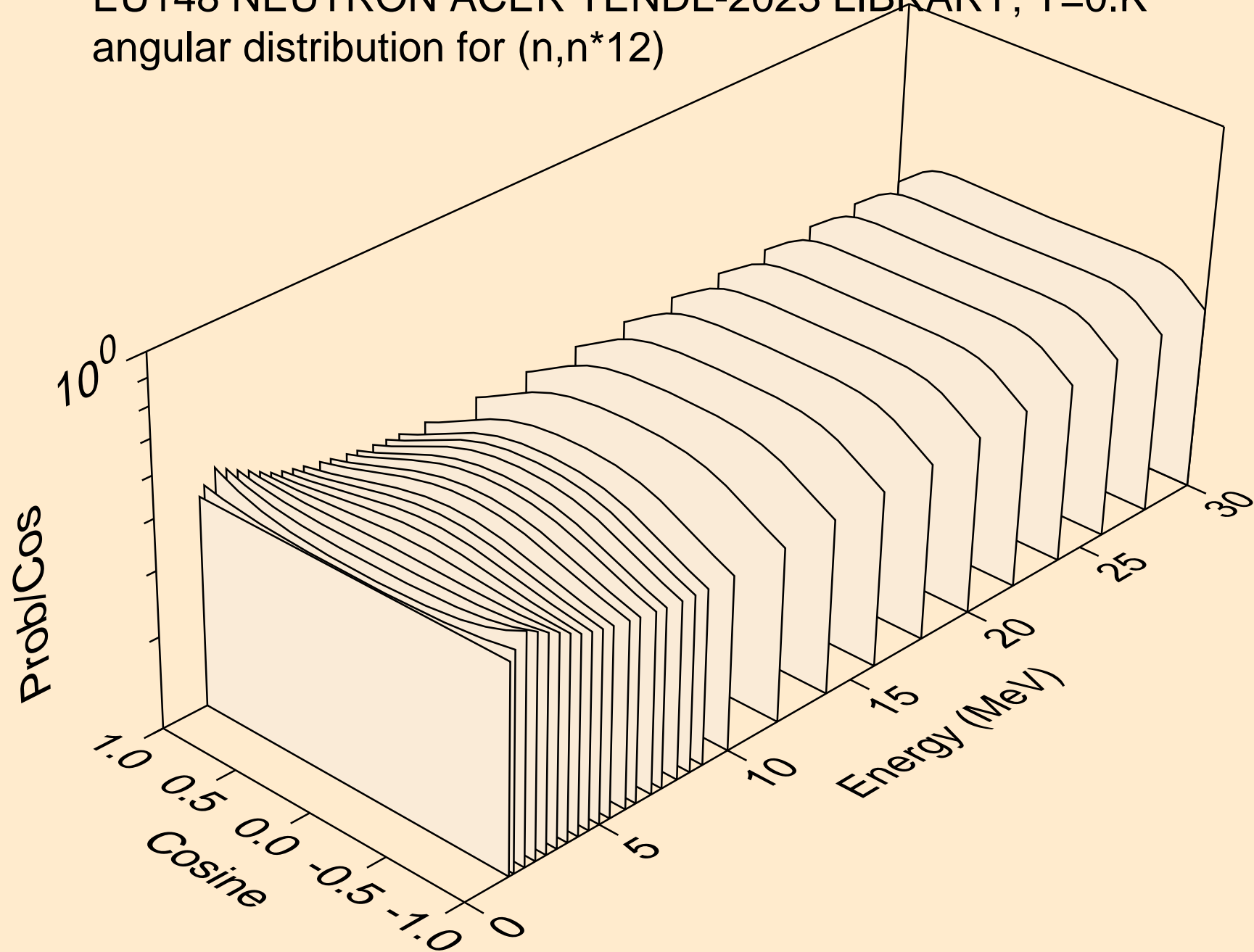




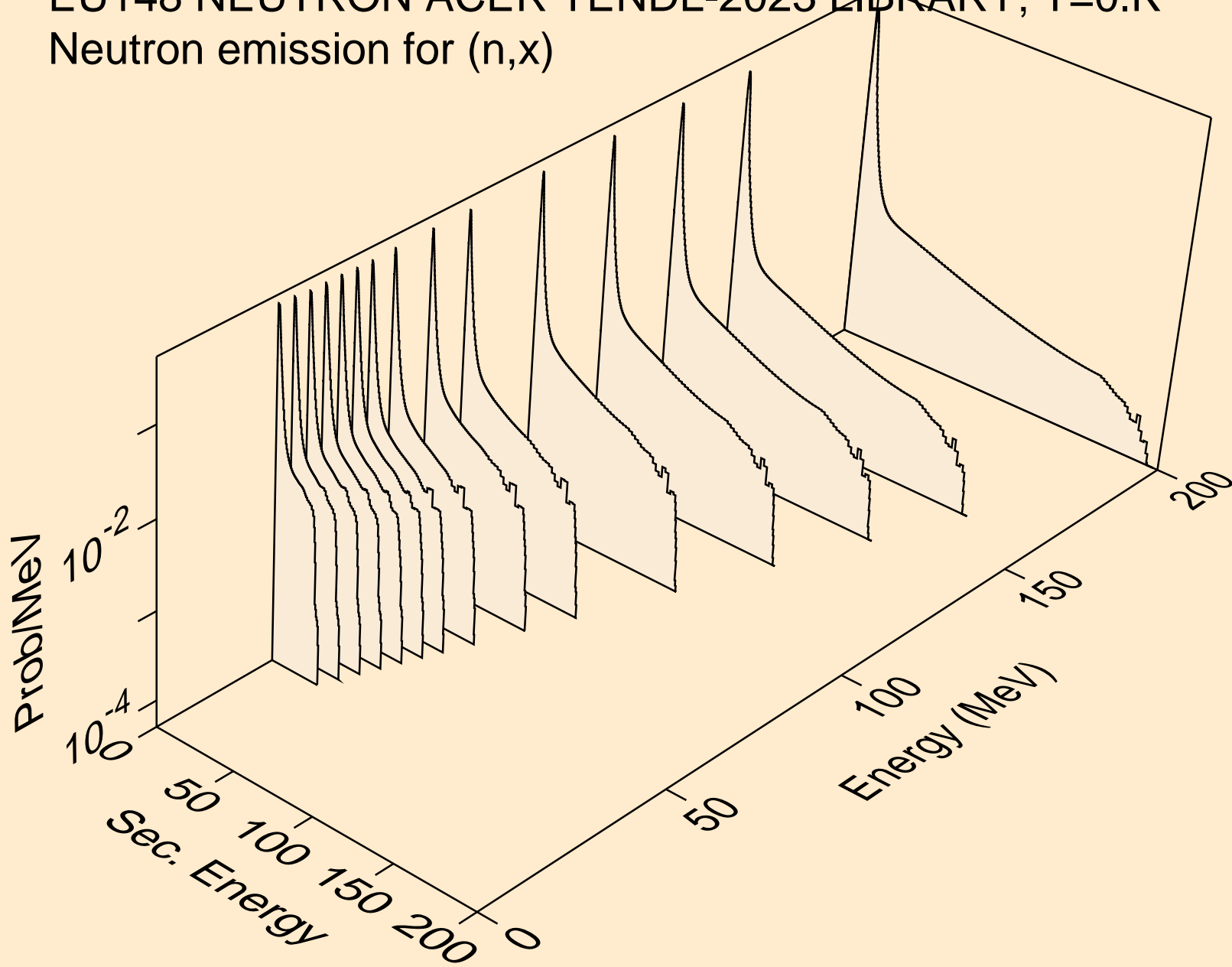
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angular distribution for (n,n\*11)



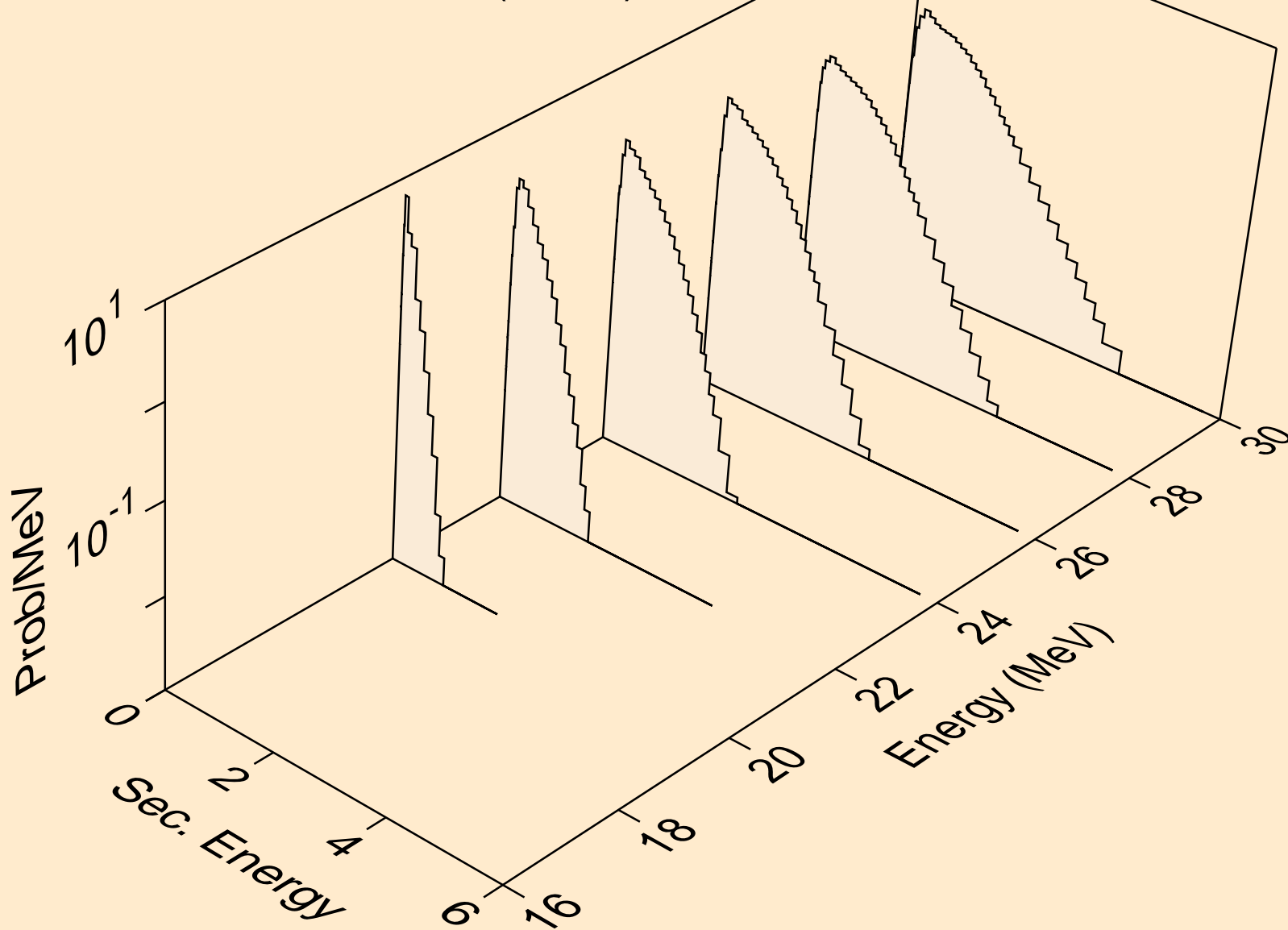
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angular distribution for (n,n\*12)



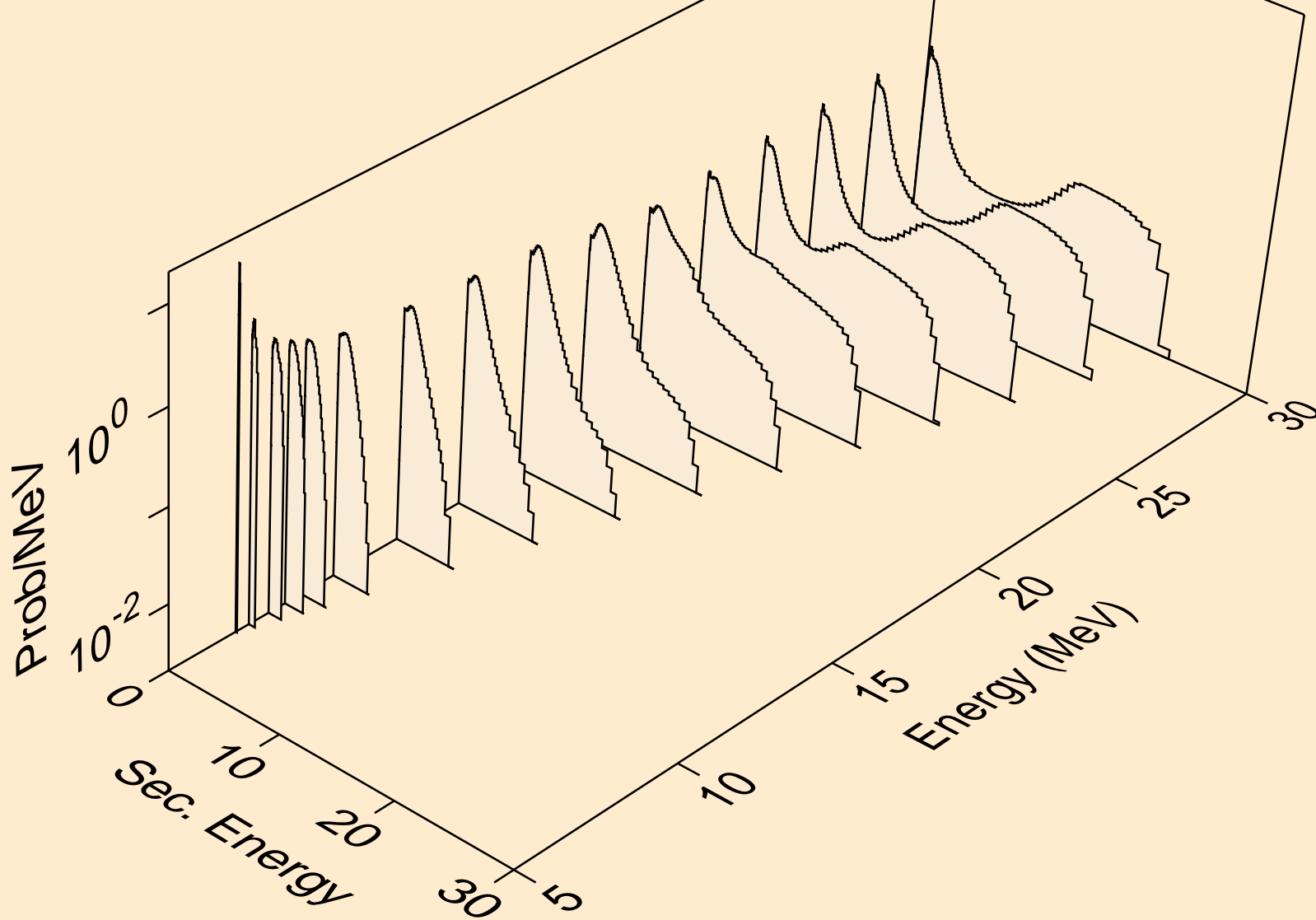
EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,x)



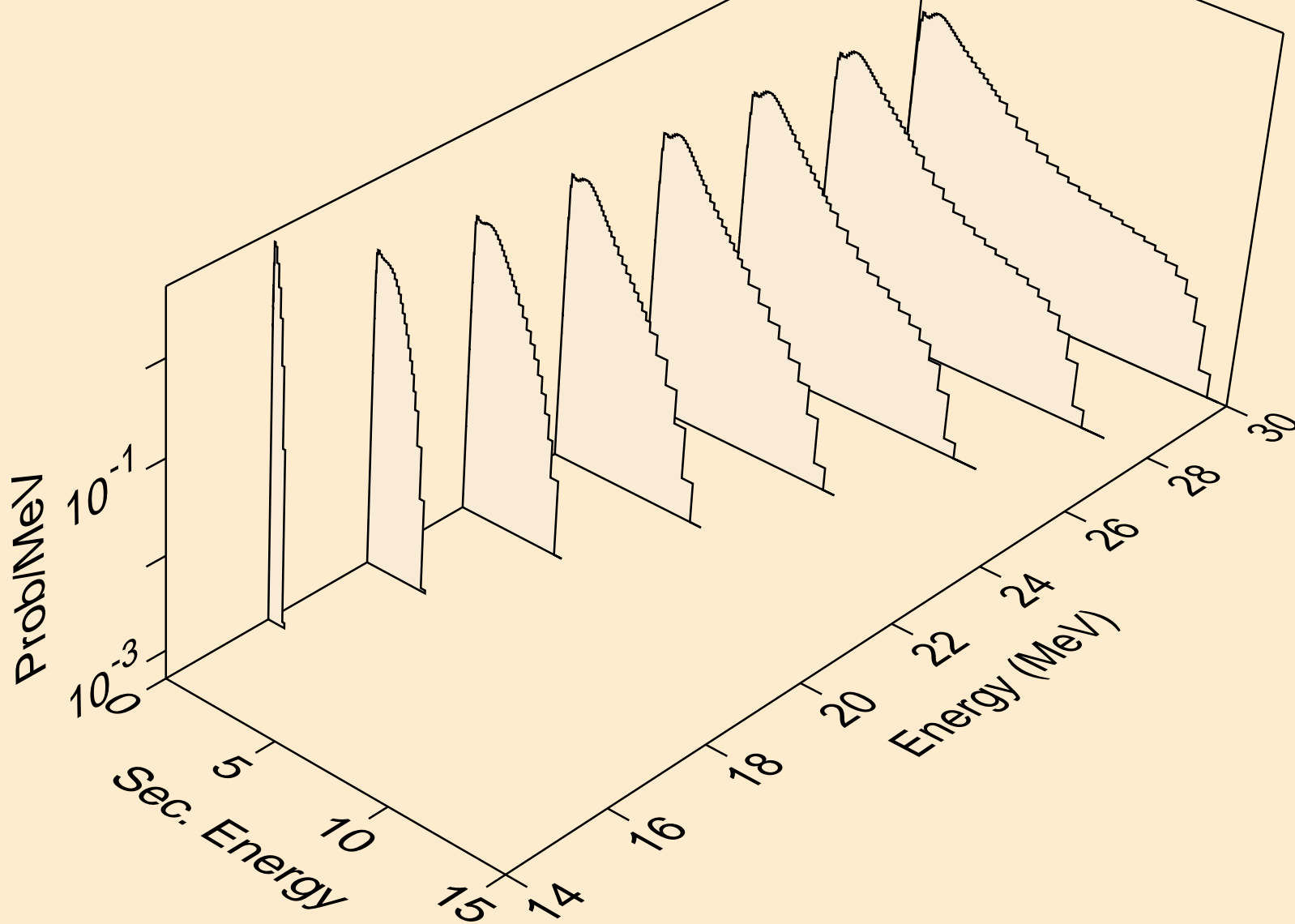
EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



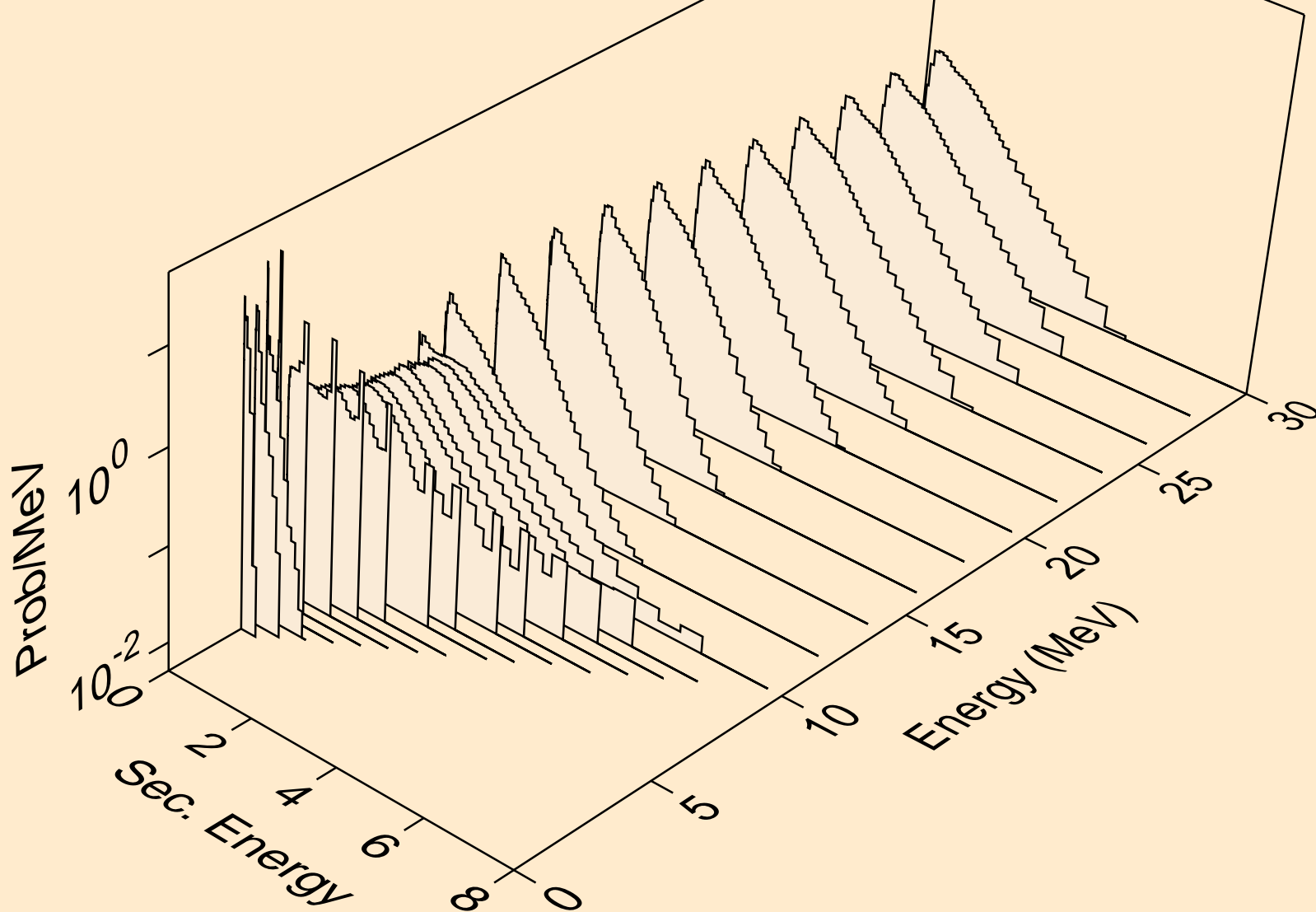
EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)



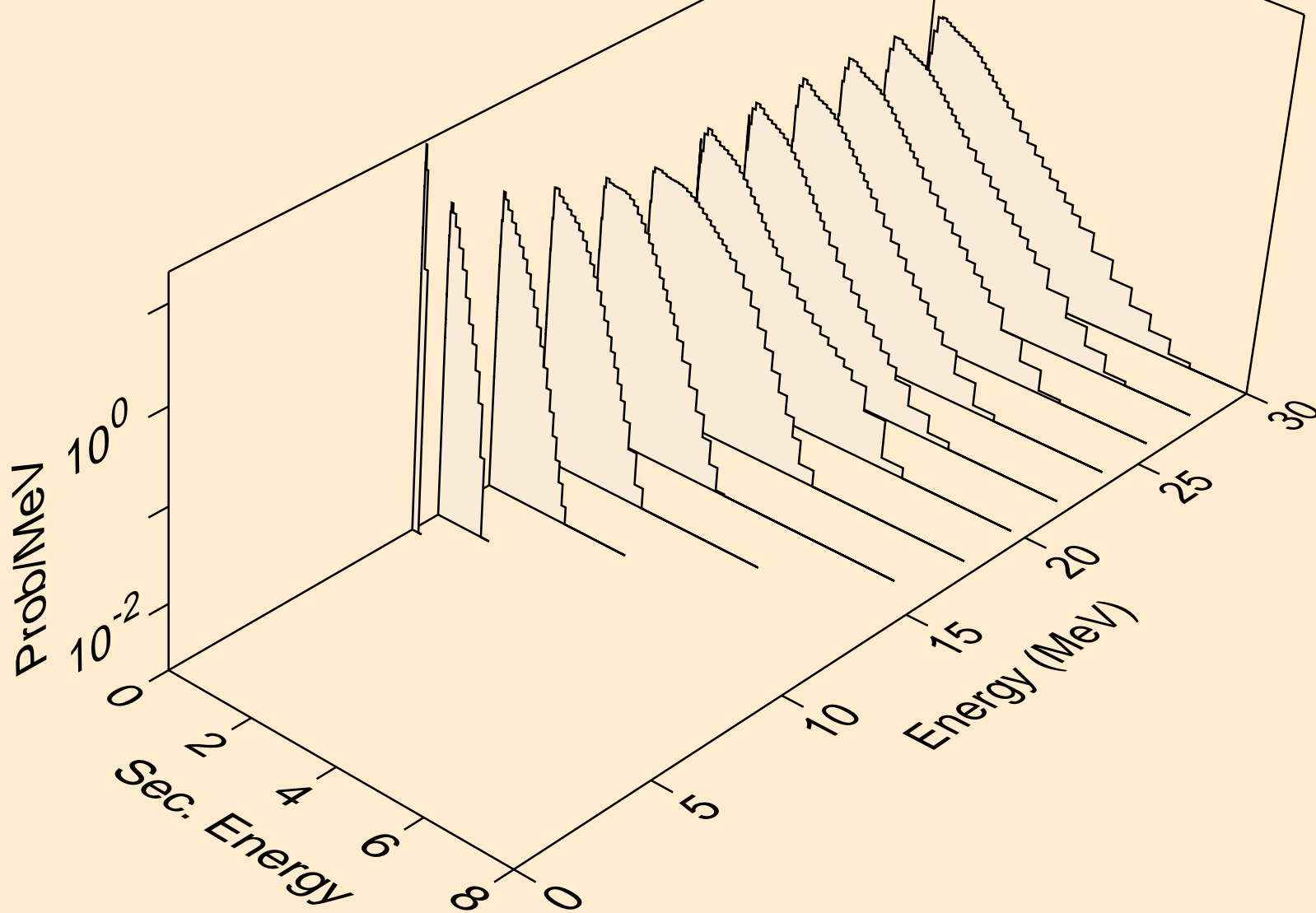
EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)



EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a

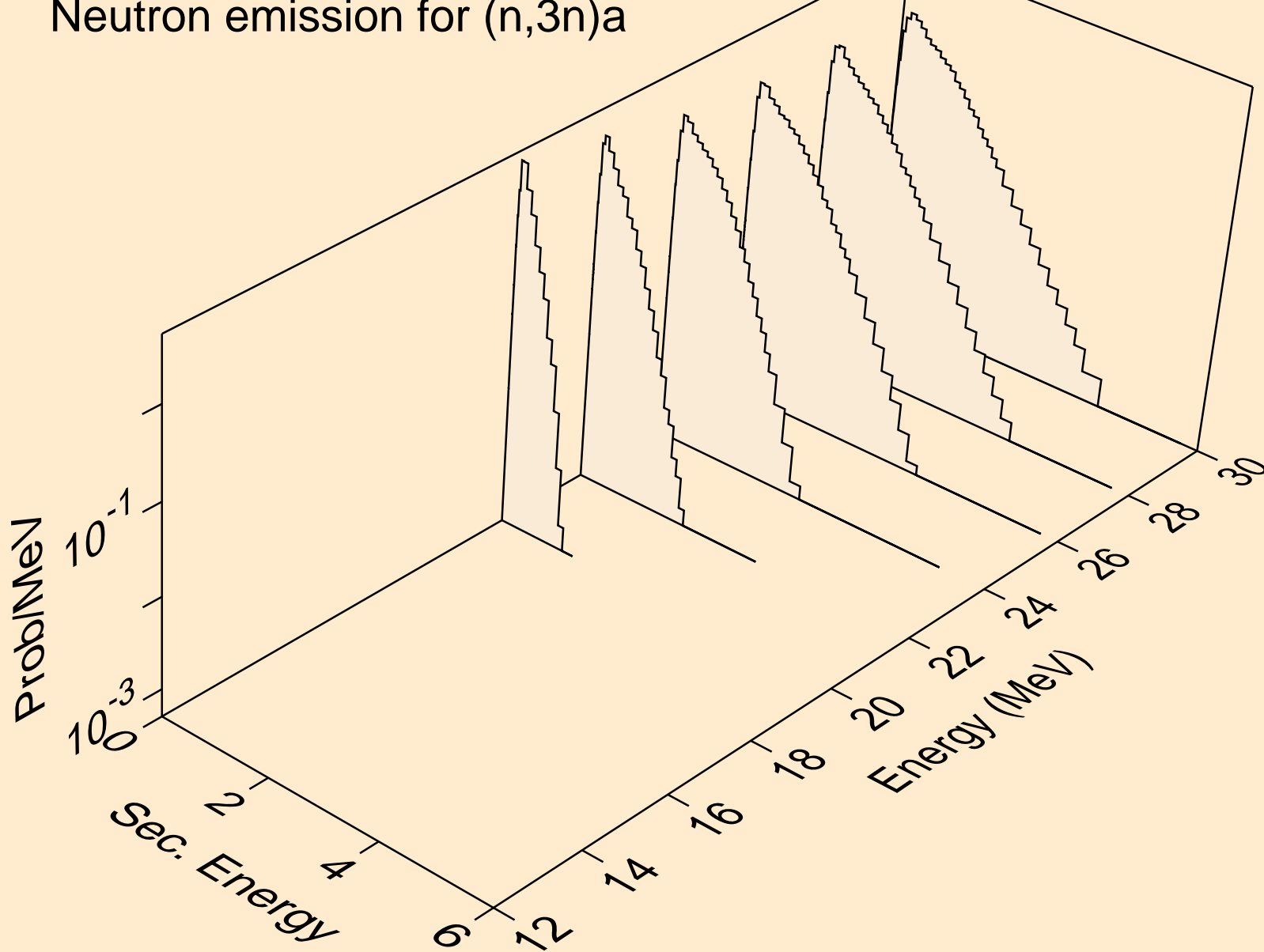


EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)a

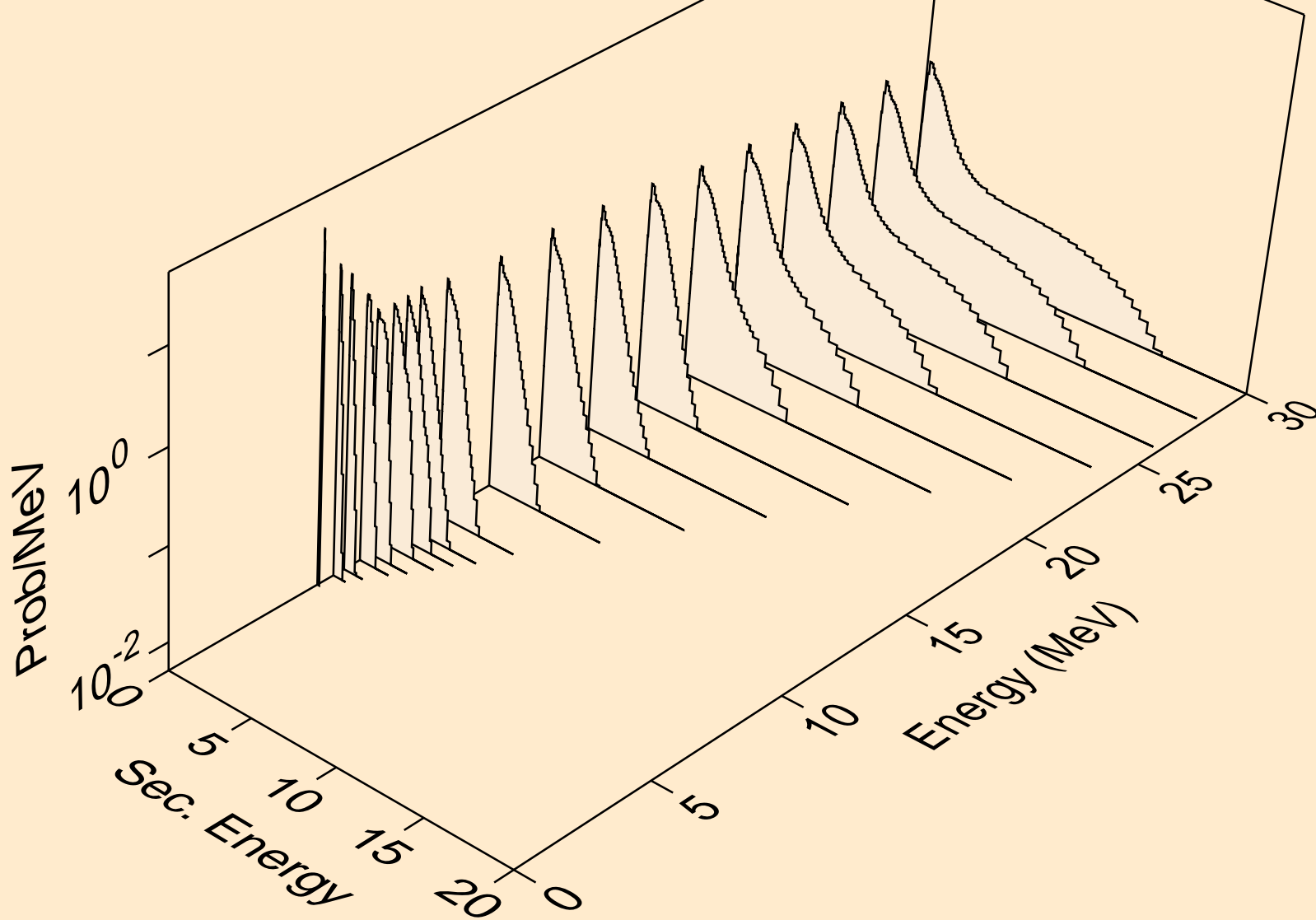




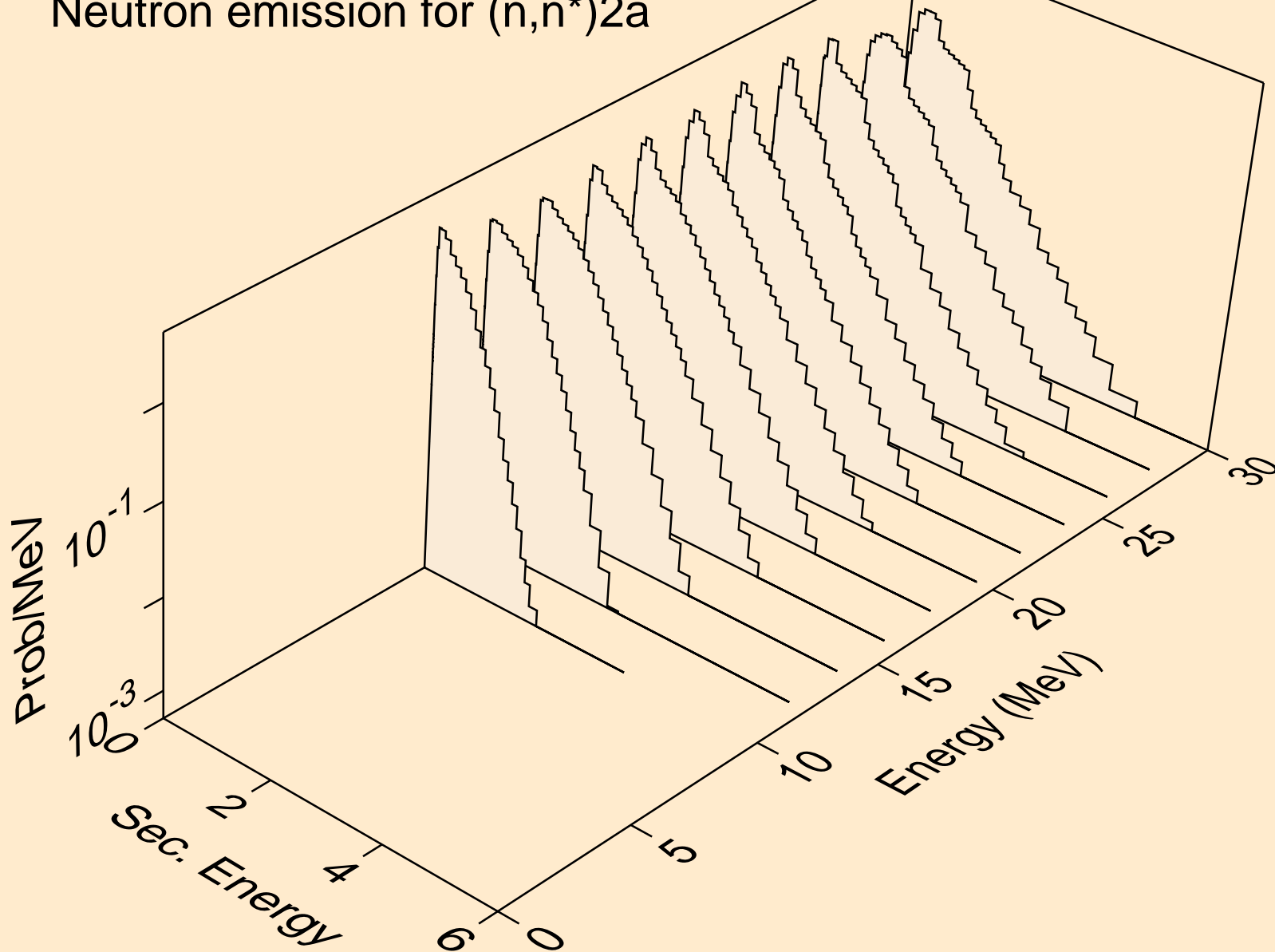
EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)a



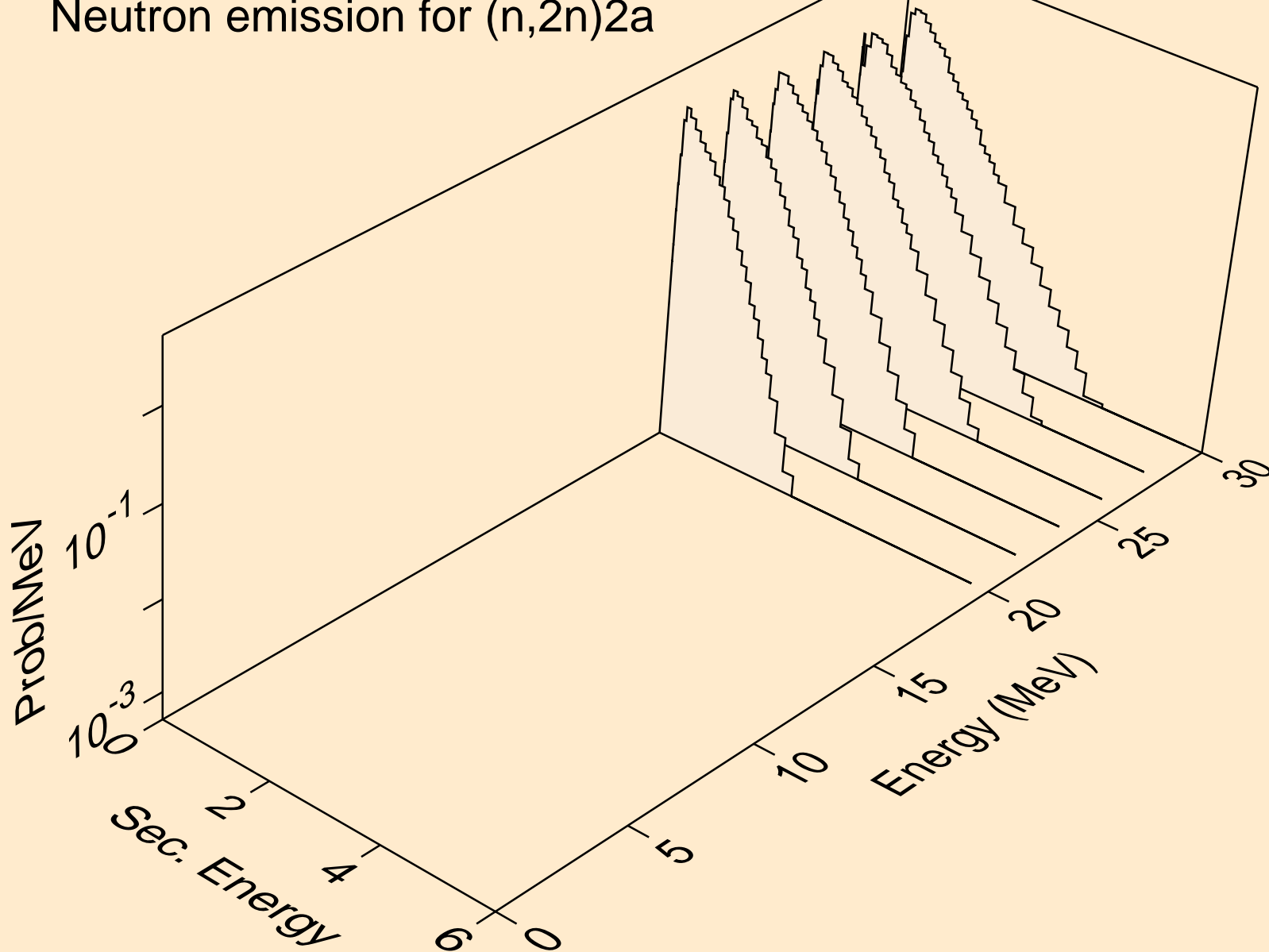
EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



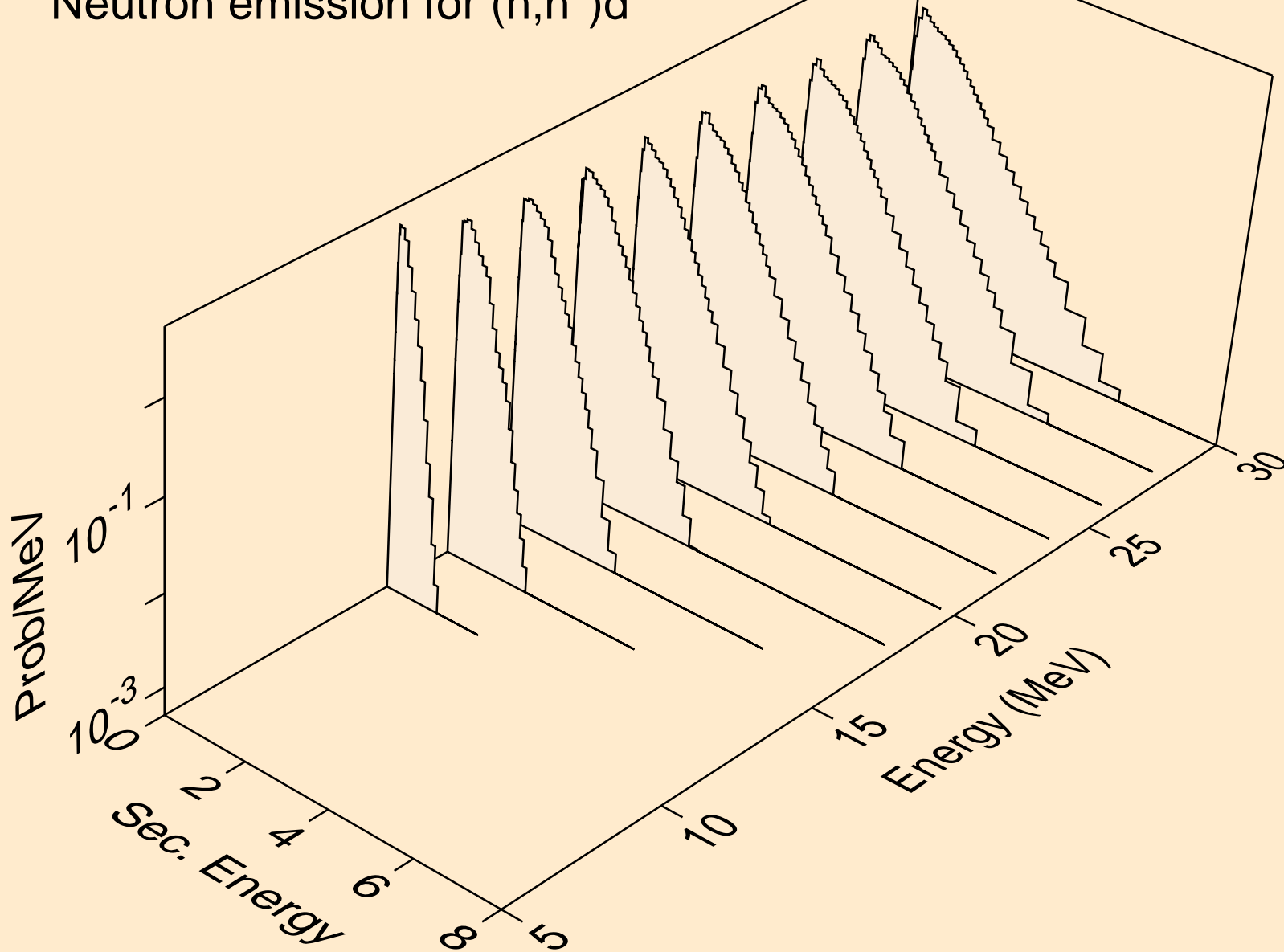
EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)2a



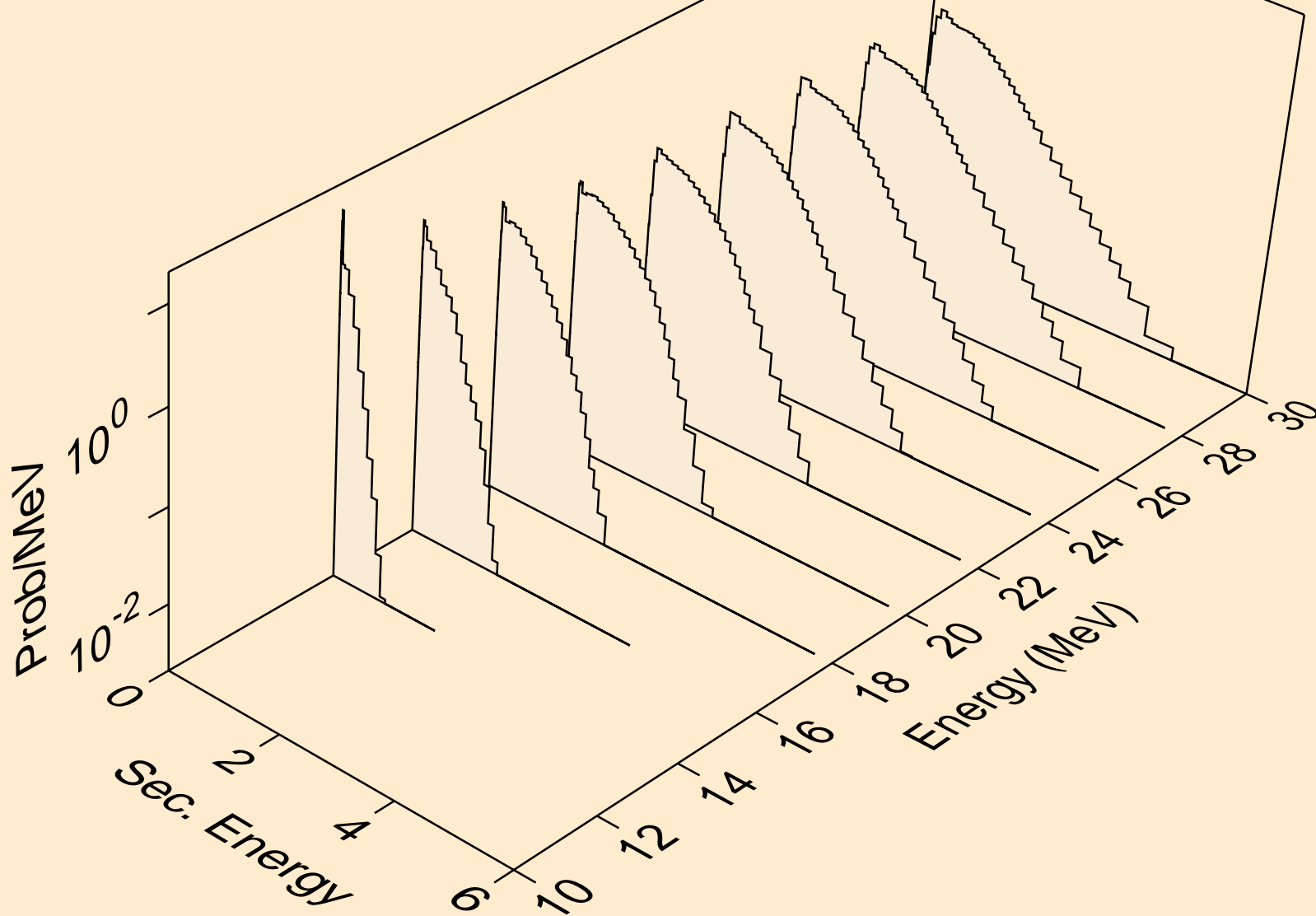
EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)2a



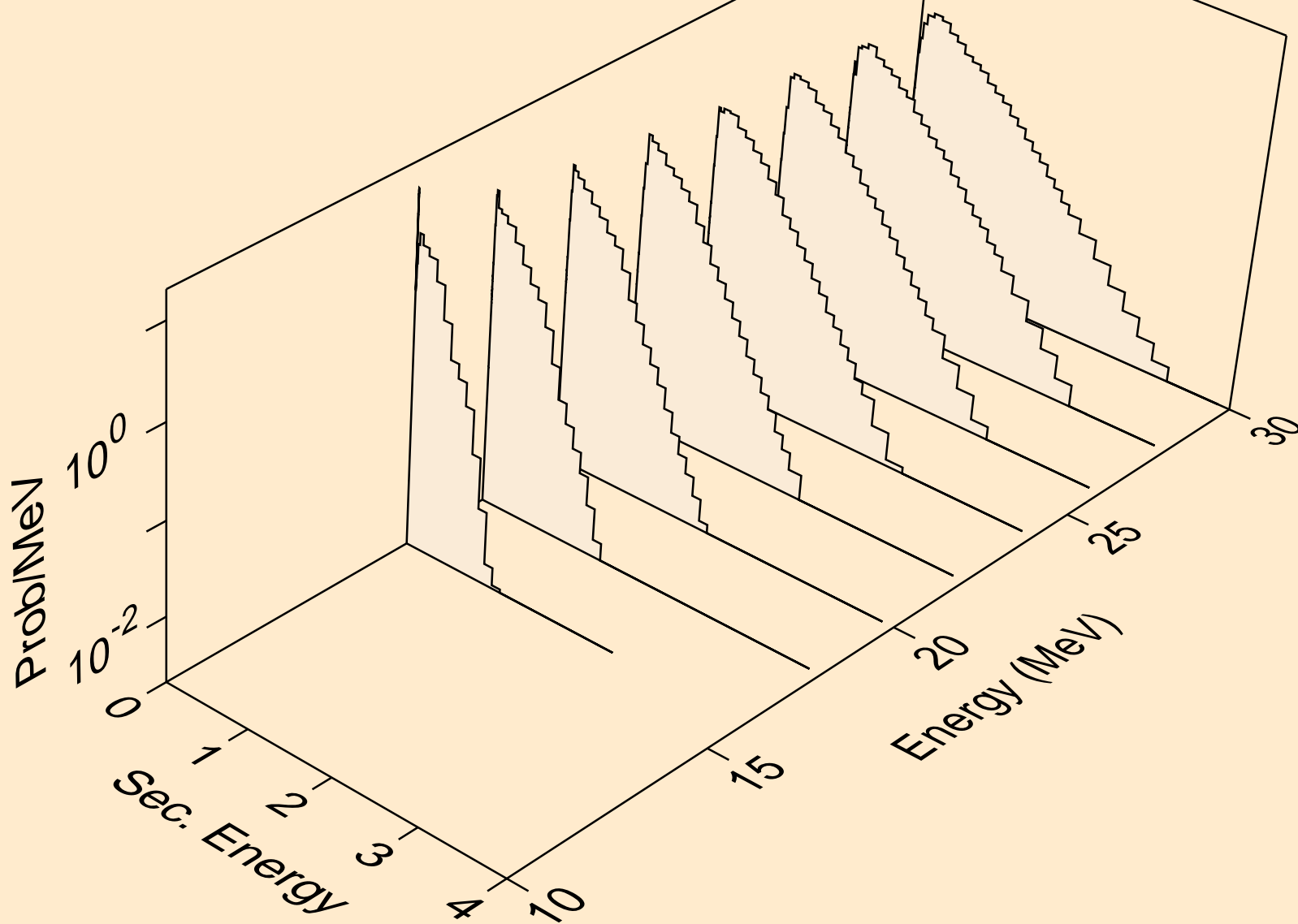
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Neutron emission for (n,n\*)d



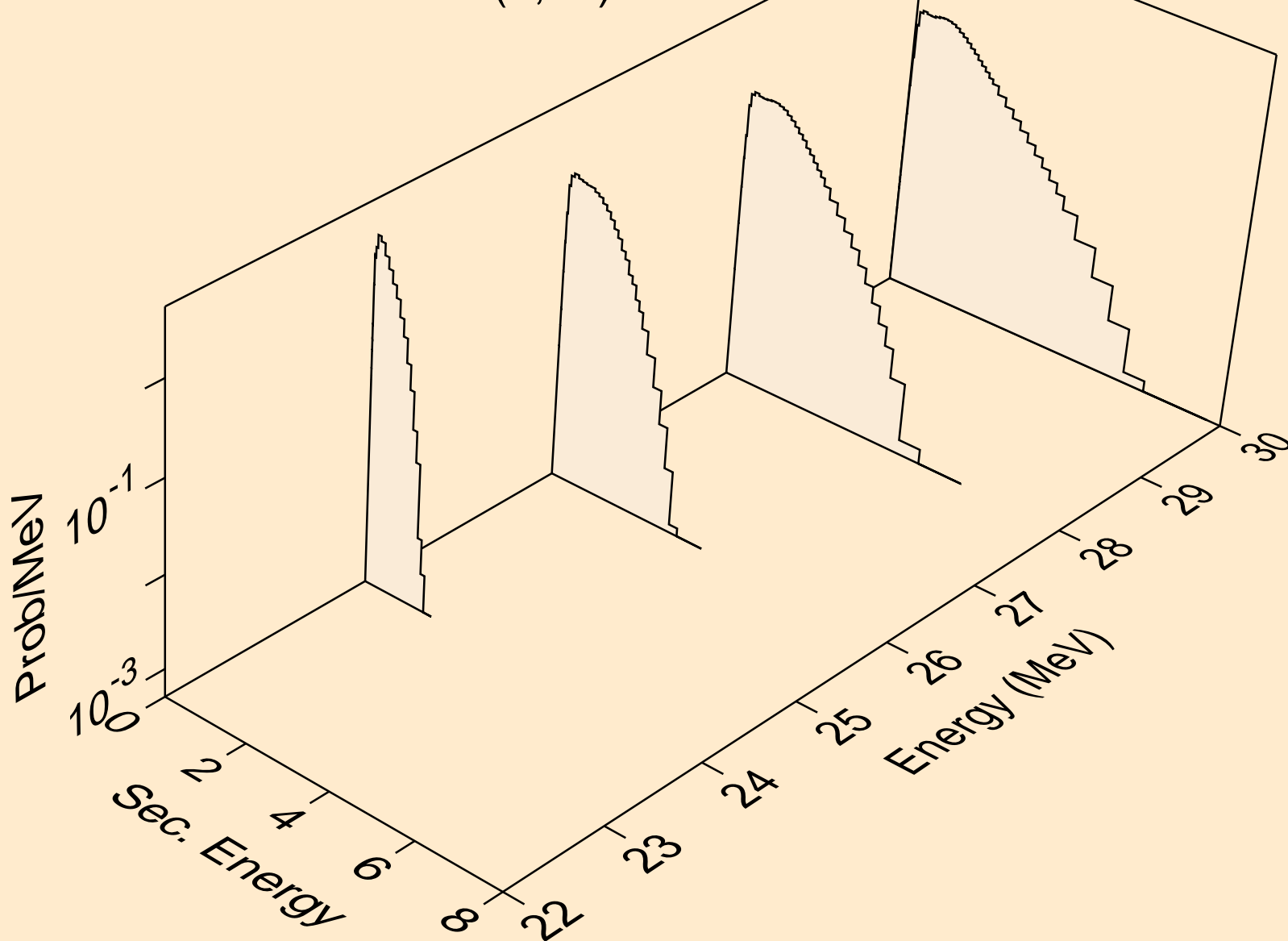
EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3

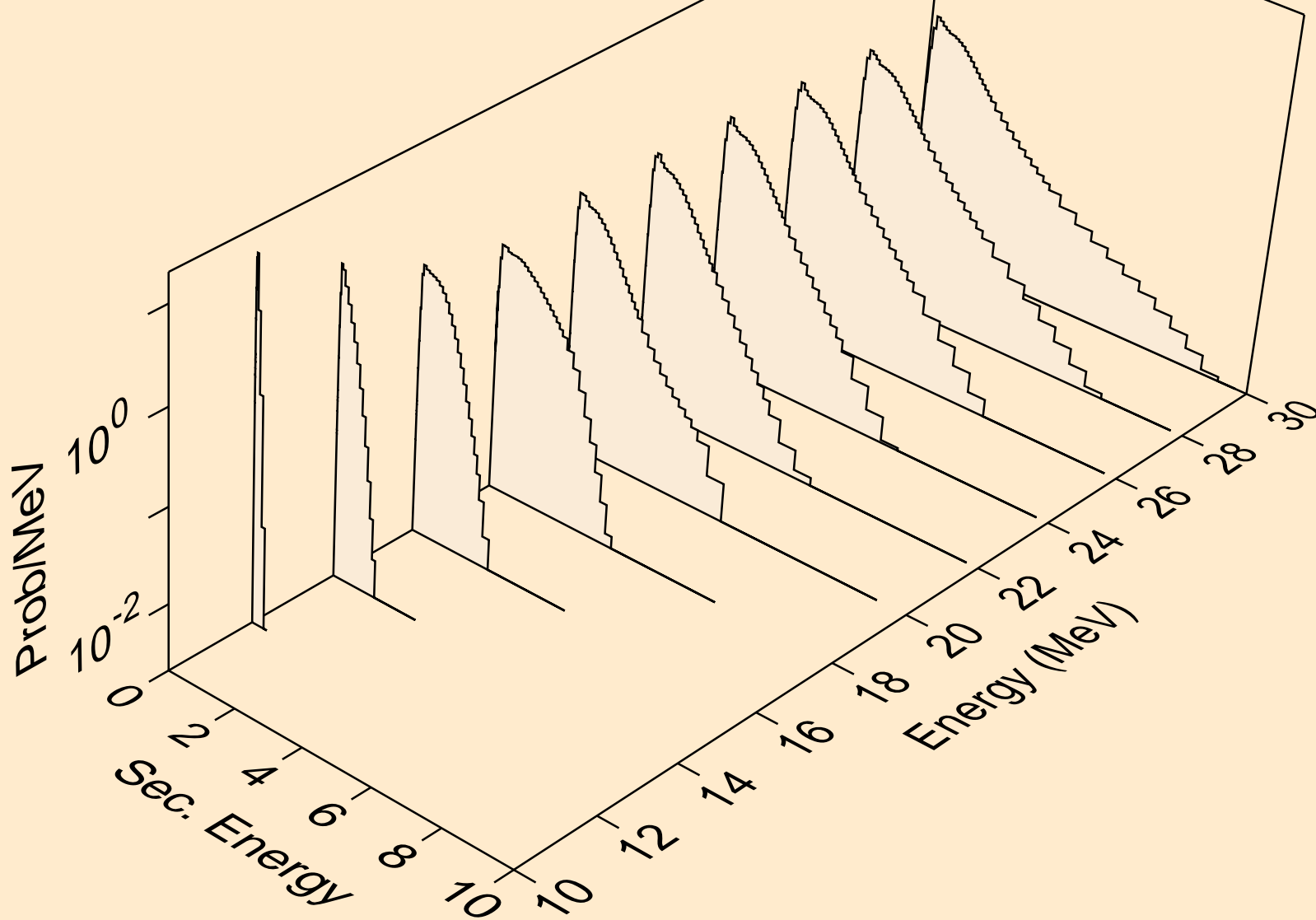


EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,4n)

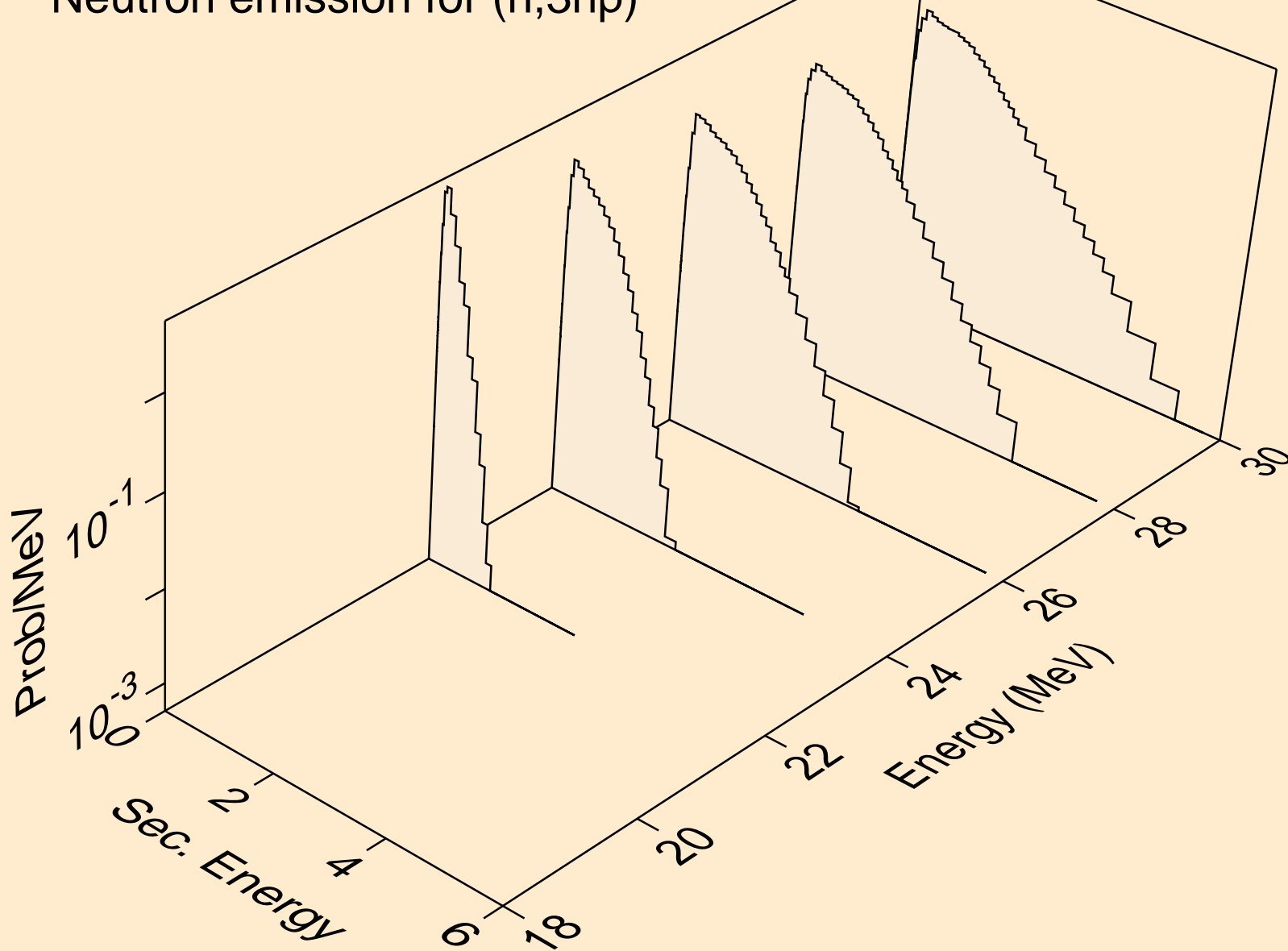




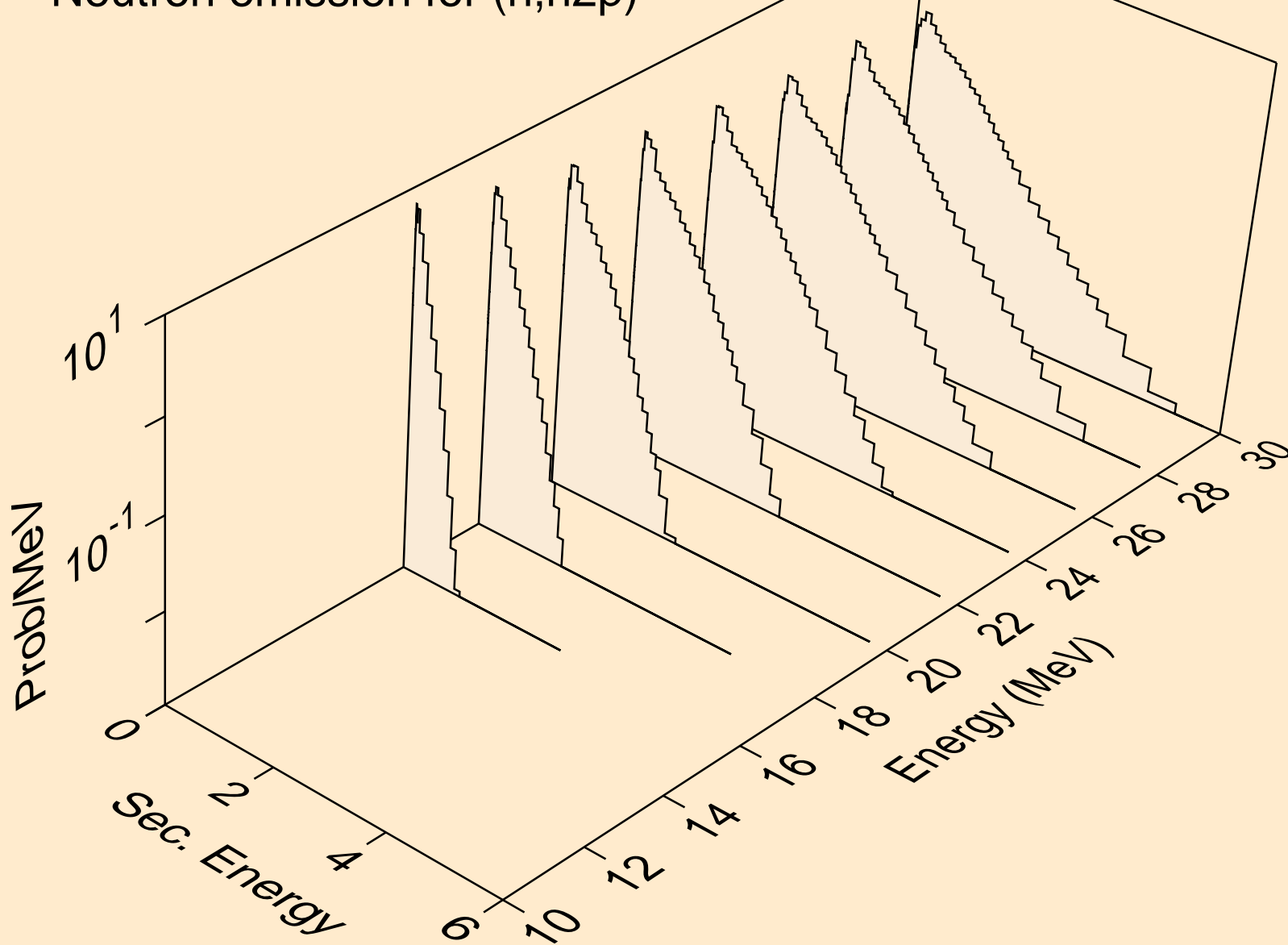
EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2np)



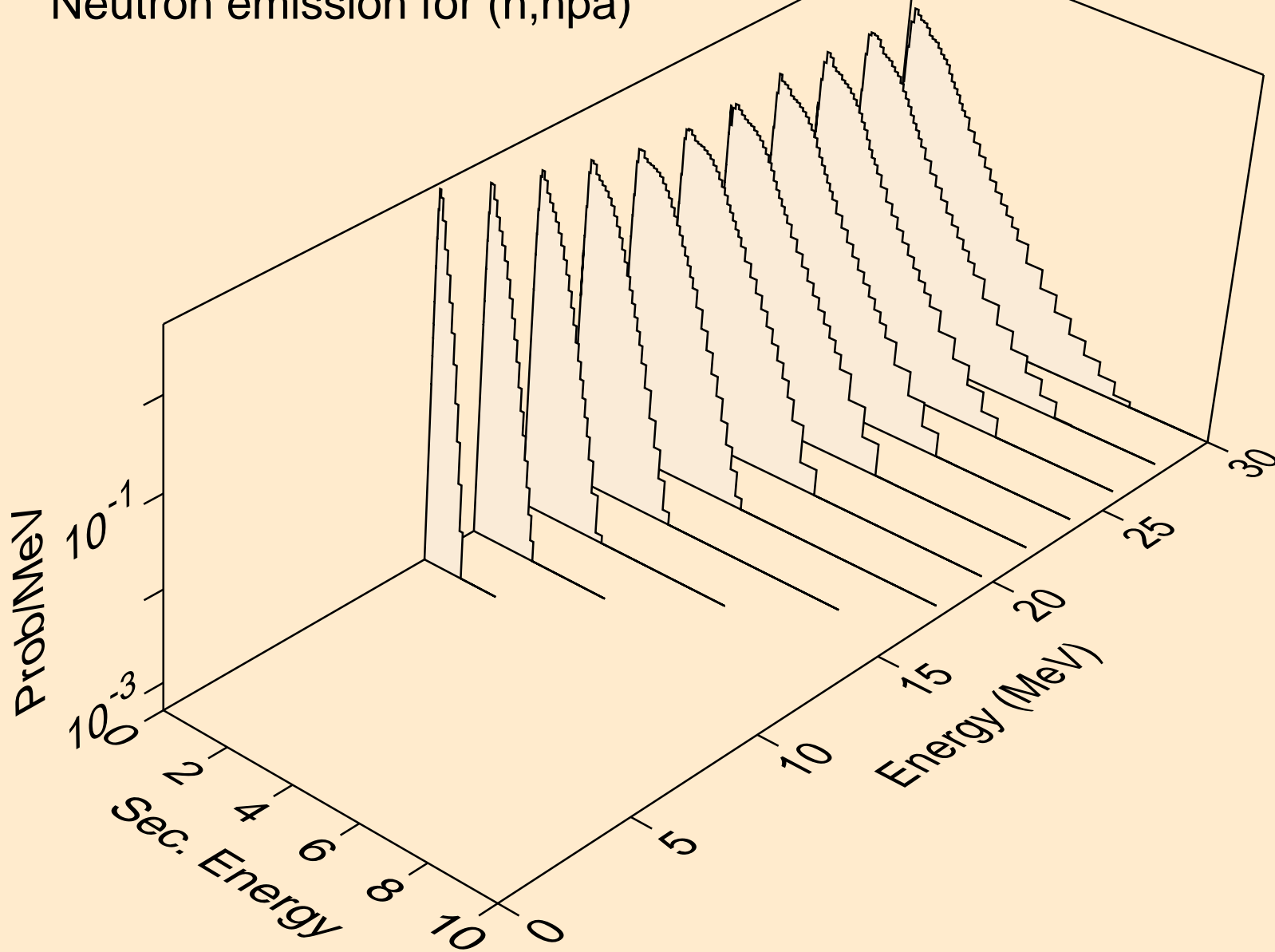
EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3np)



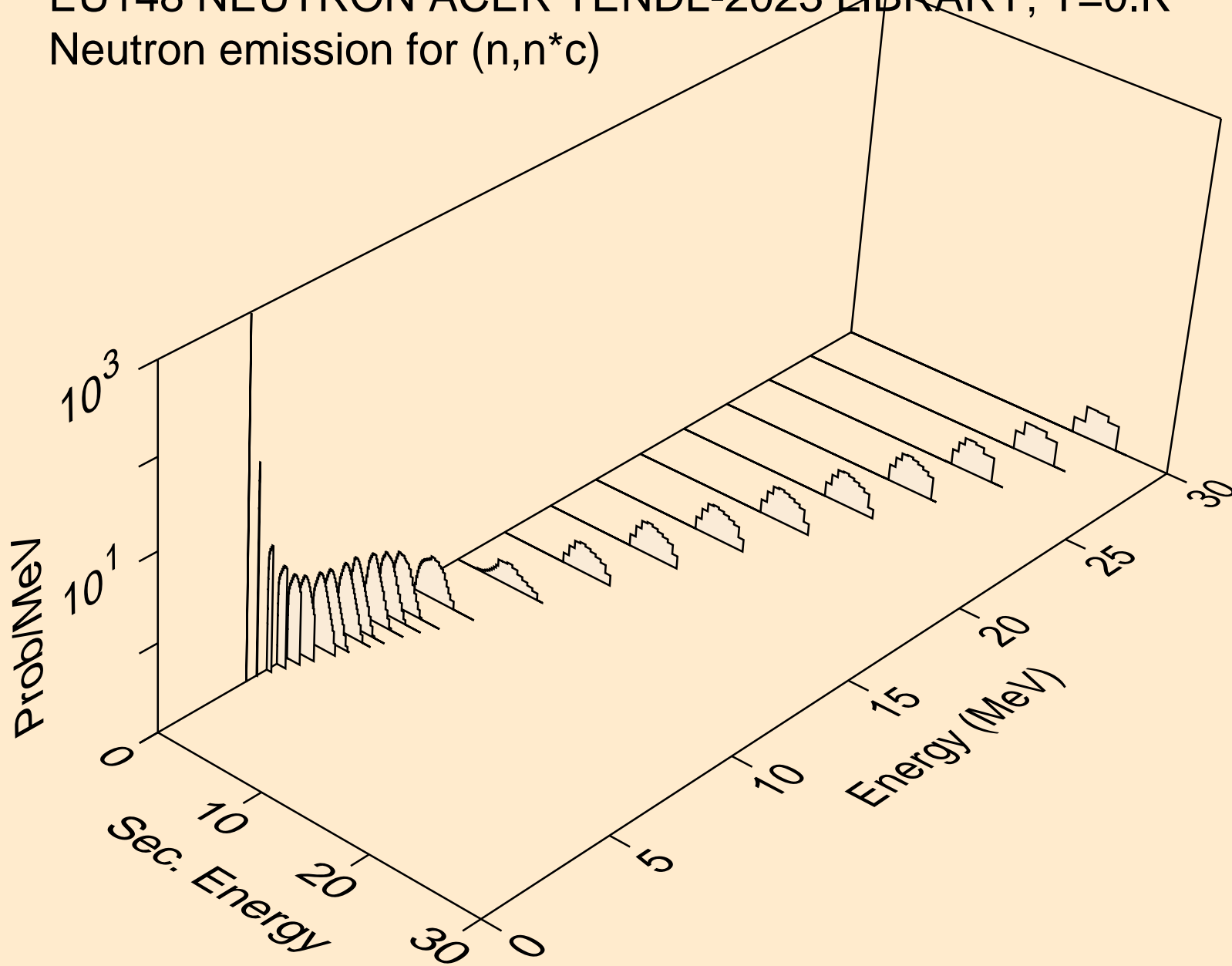
EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n2p)



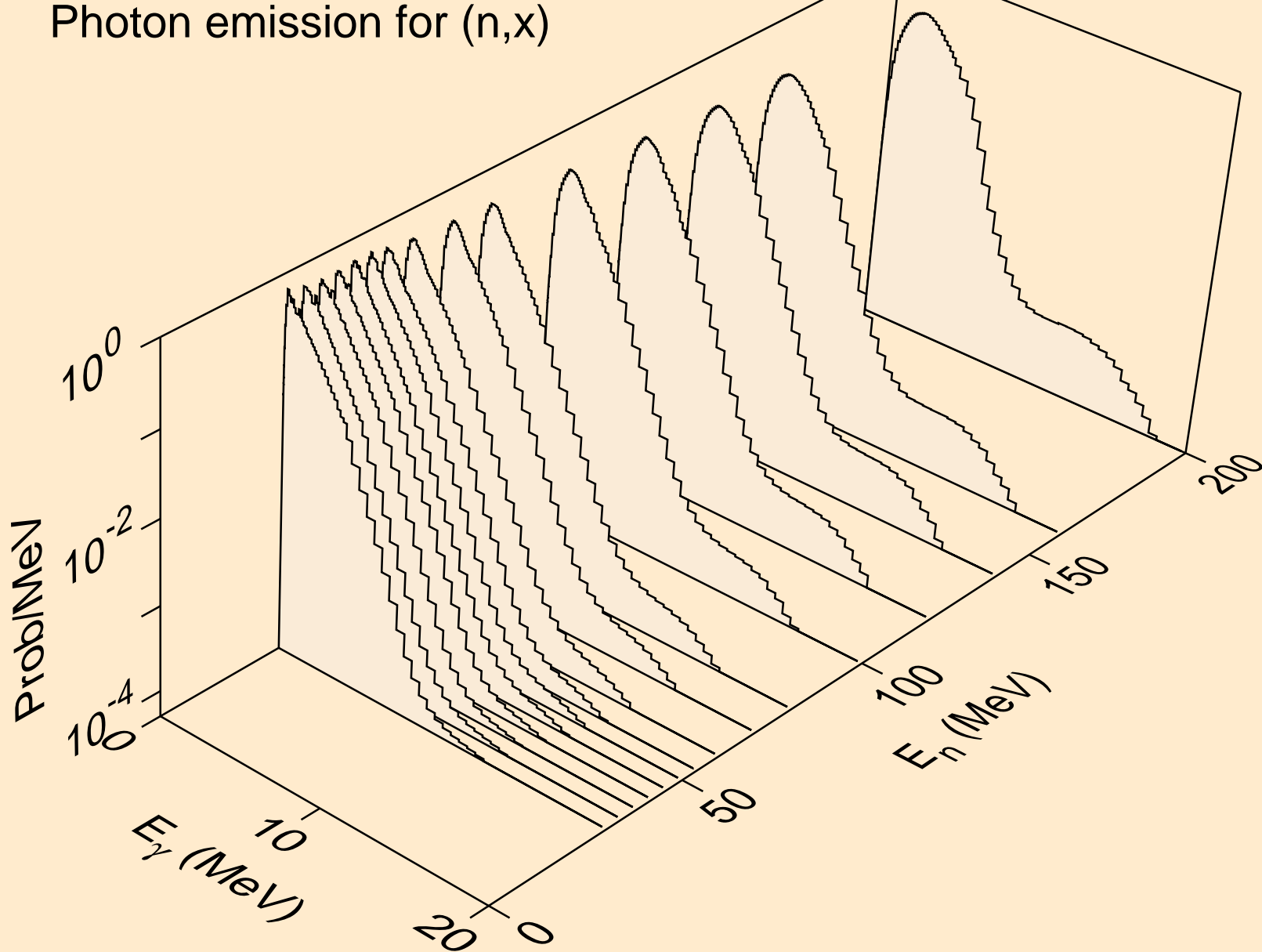
EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,npa)



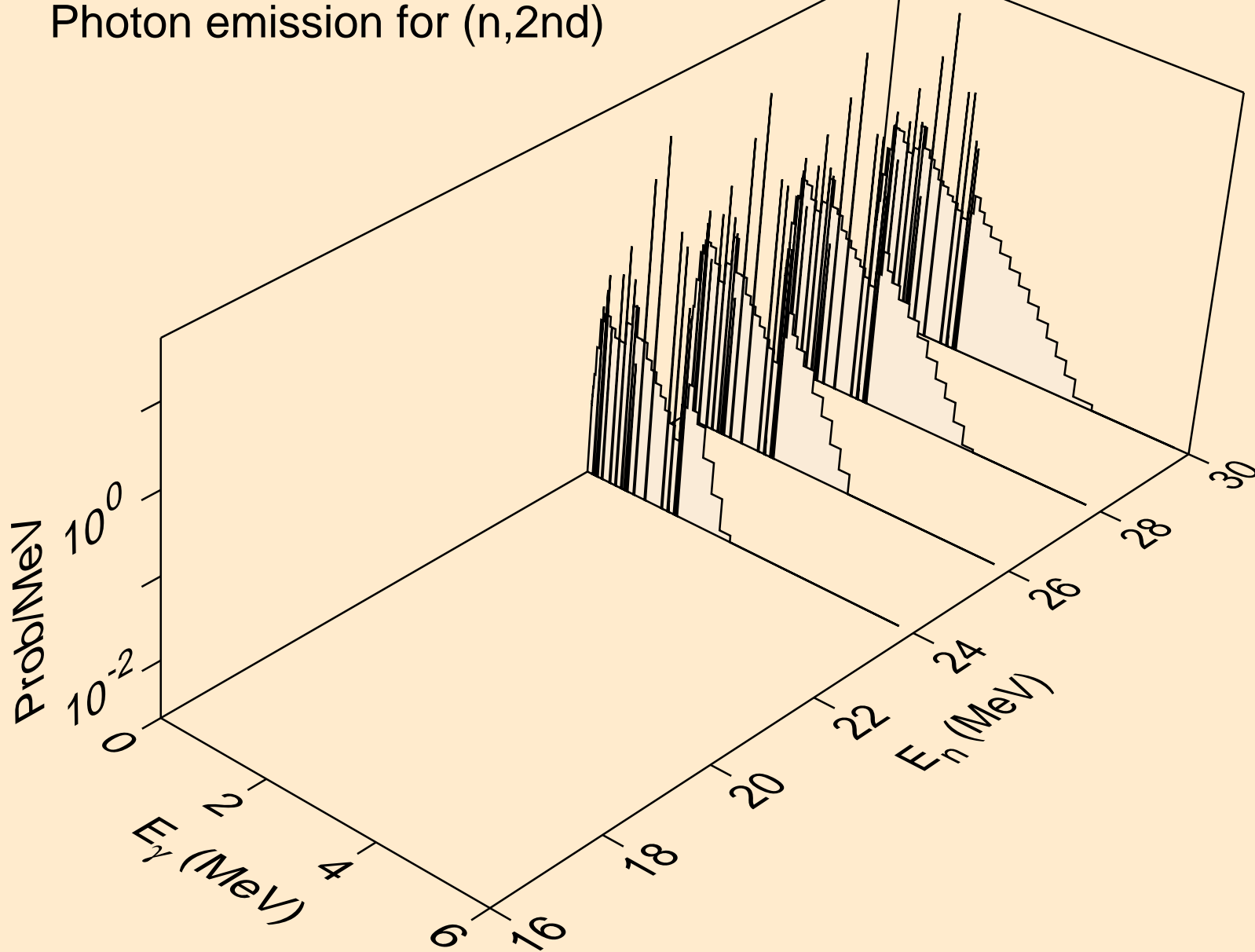
EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)



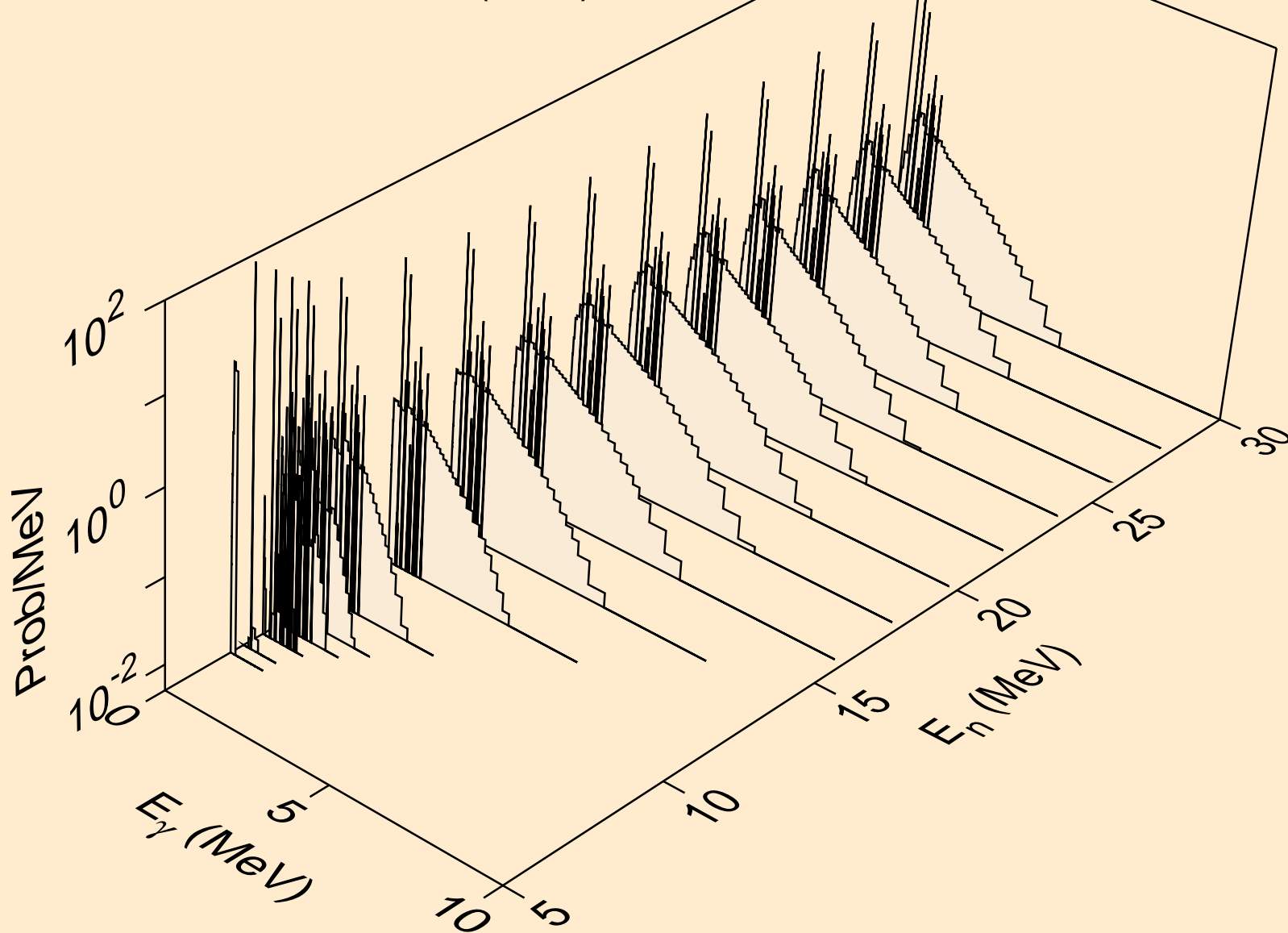
EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,x)



EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)

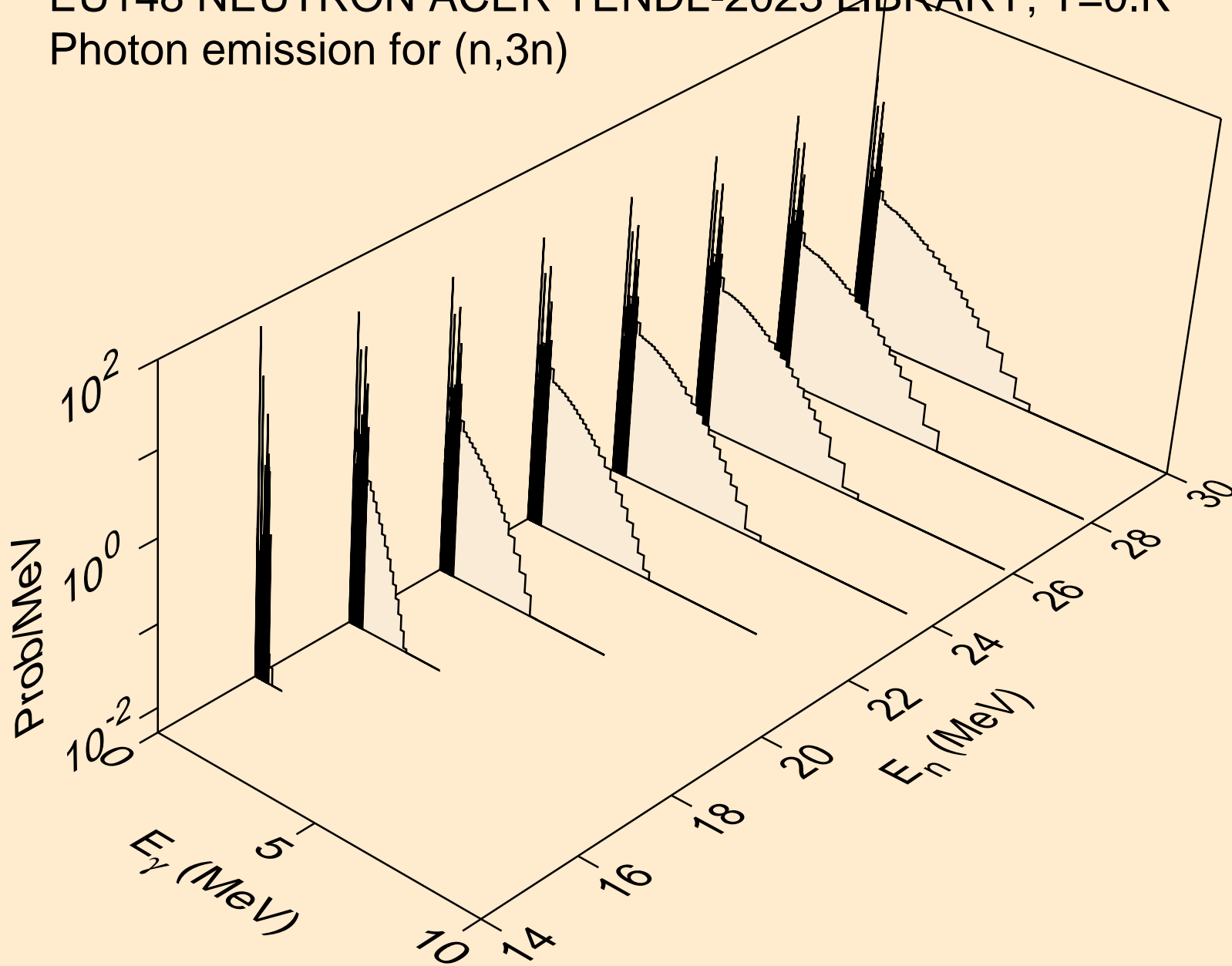


EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)

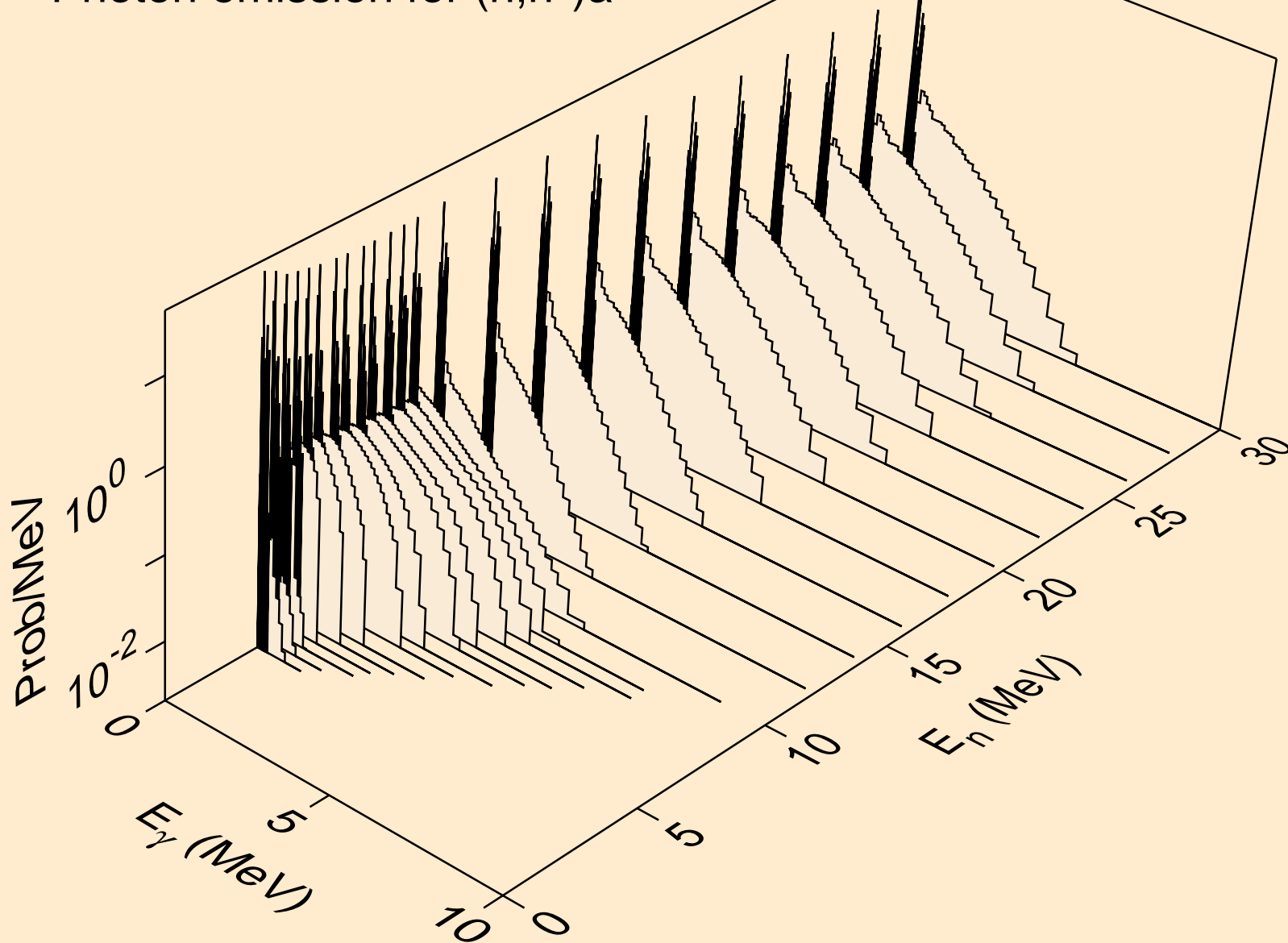




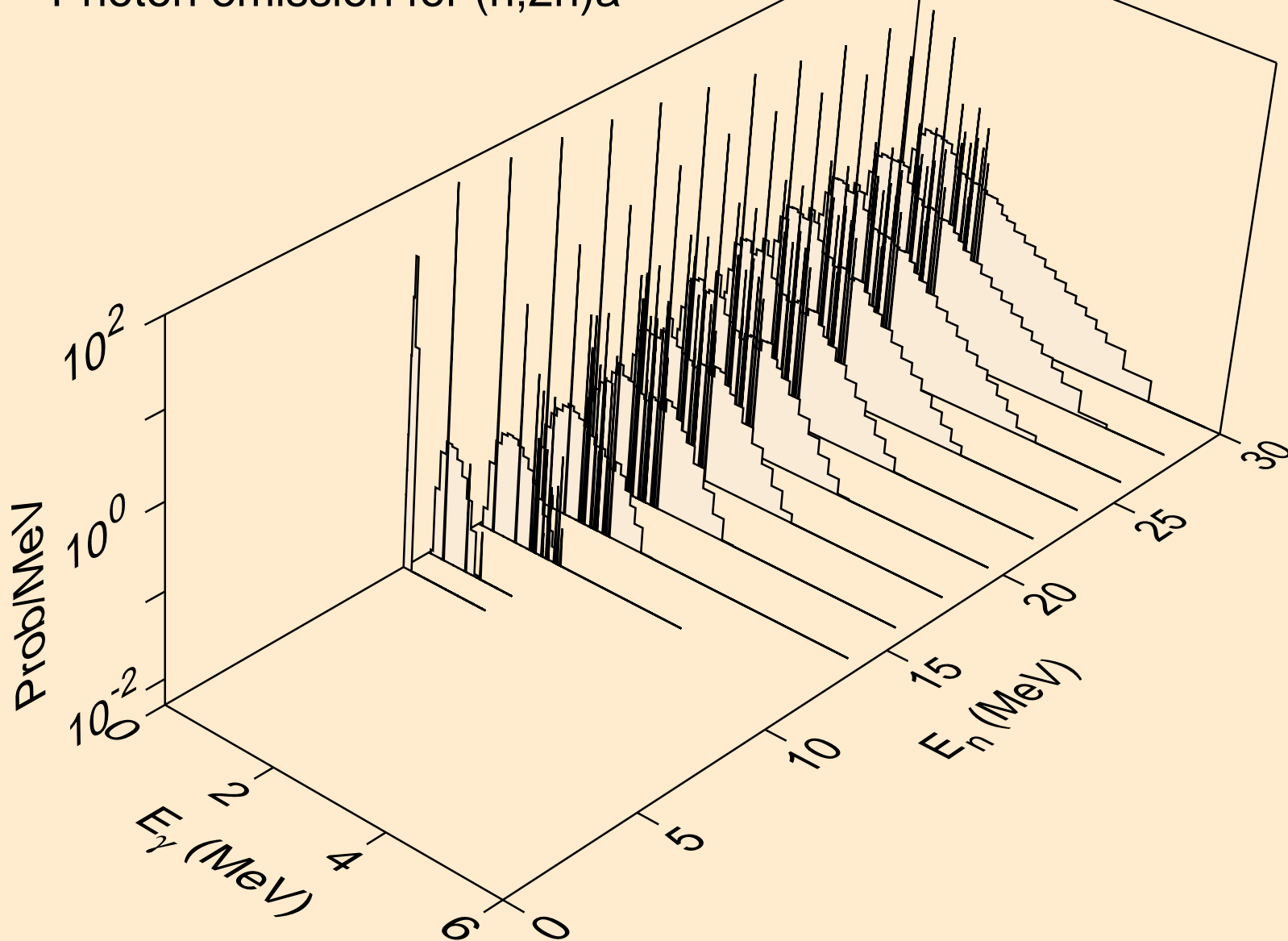
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Photon emission for (n,3n)



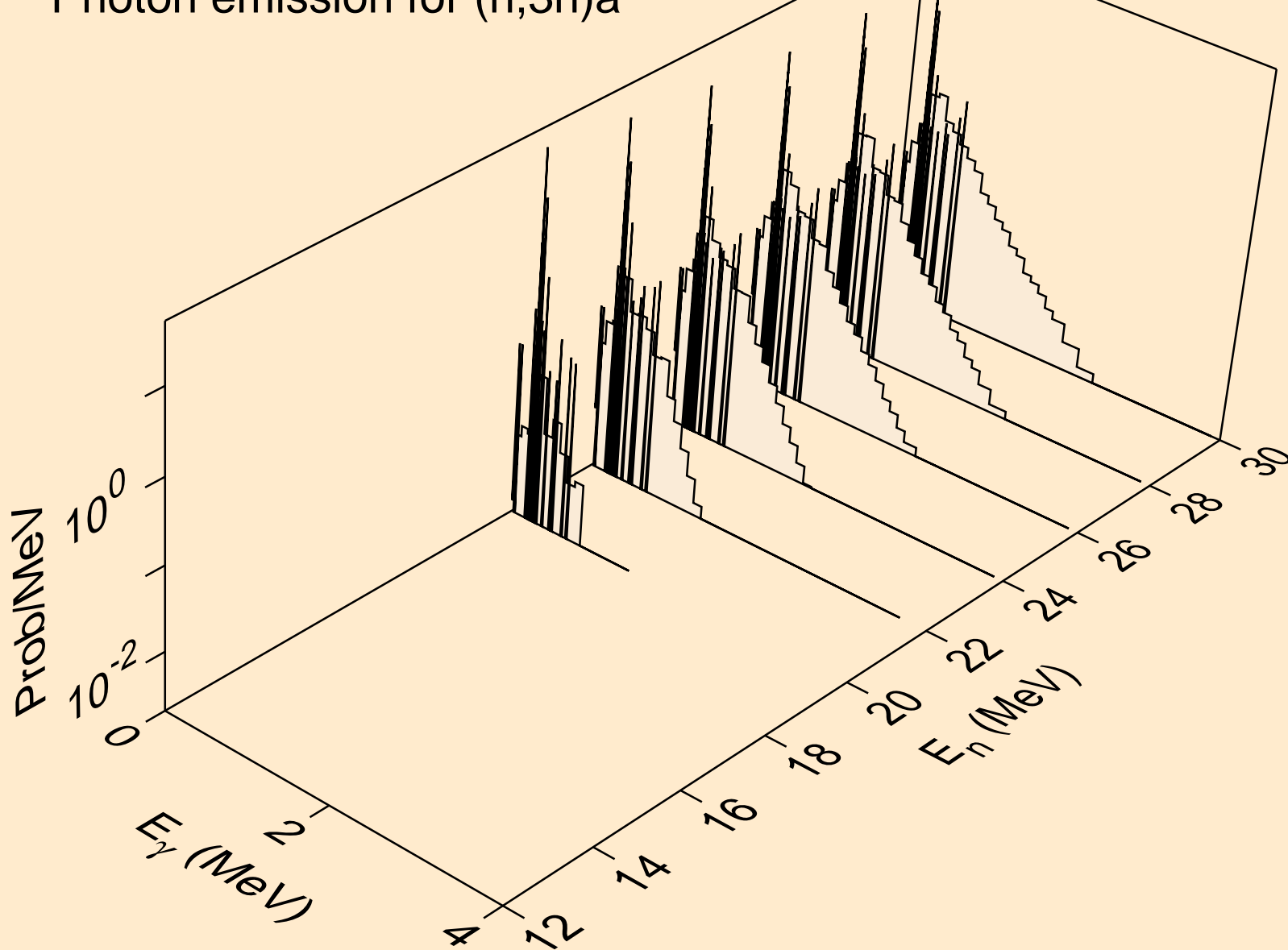
EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



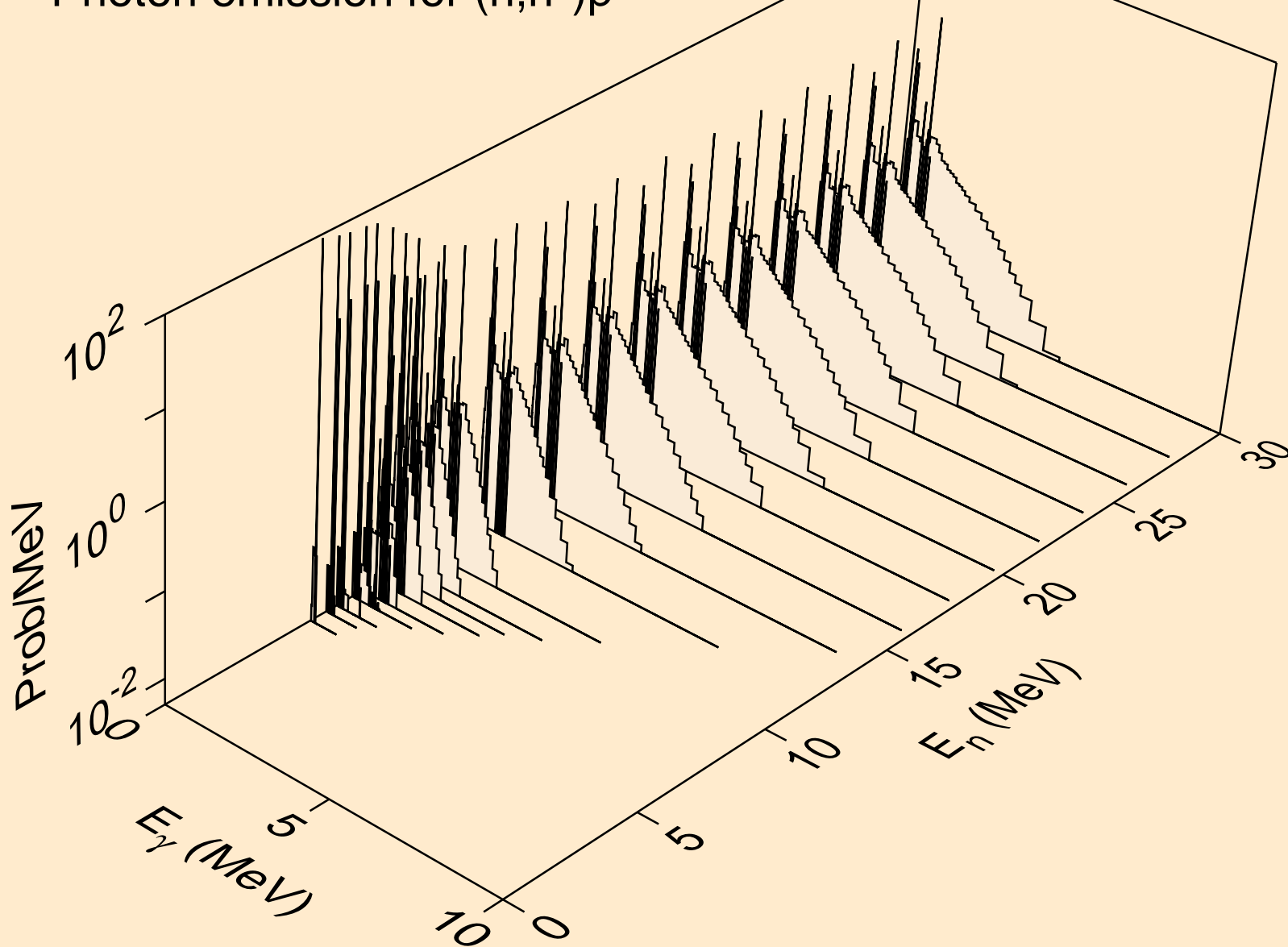
EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a



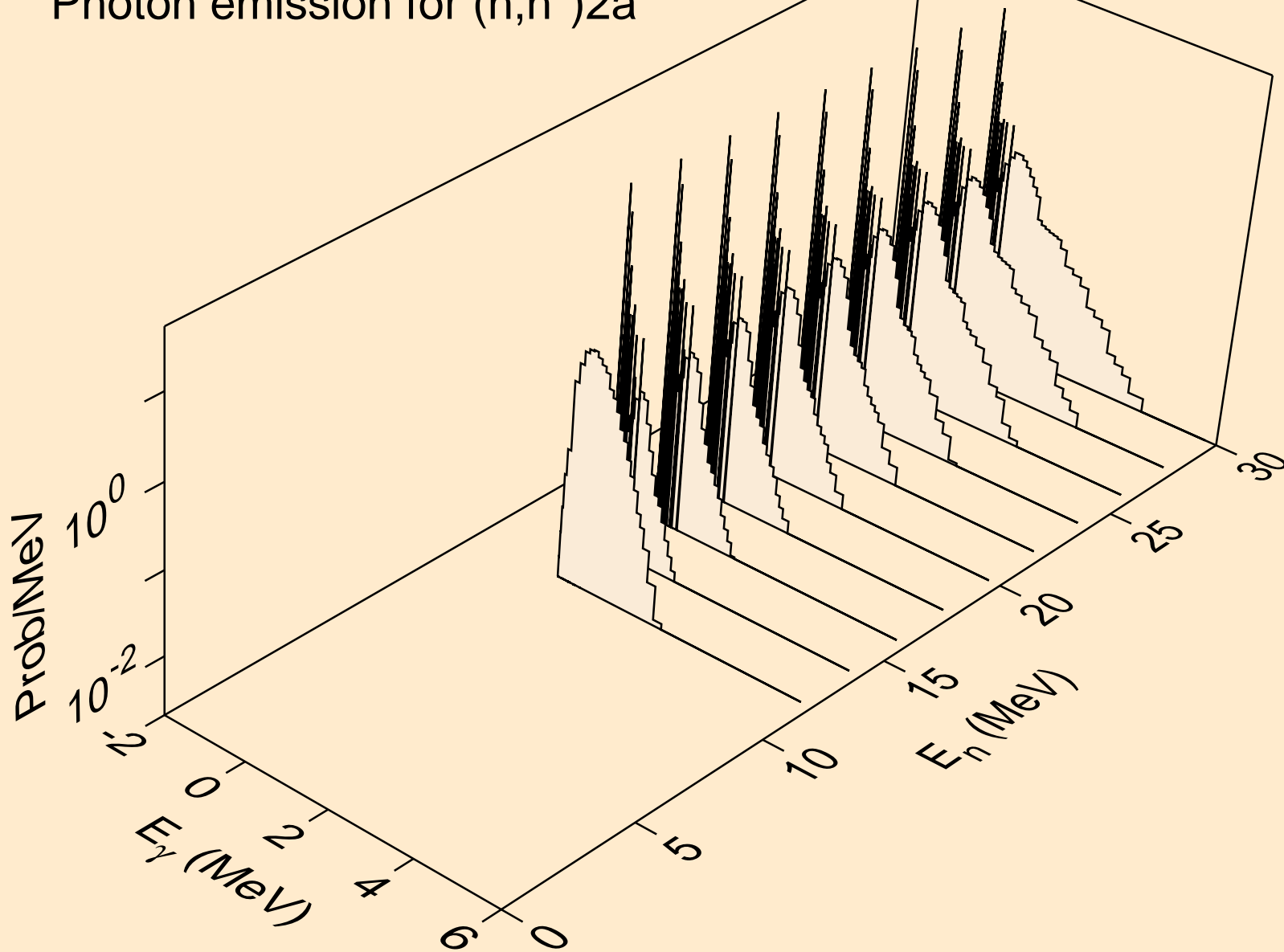
EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)a



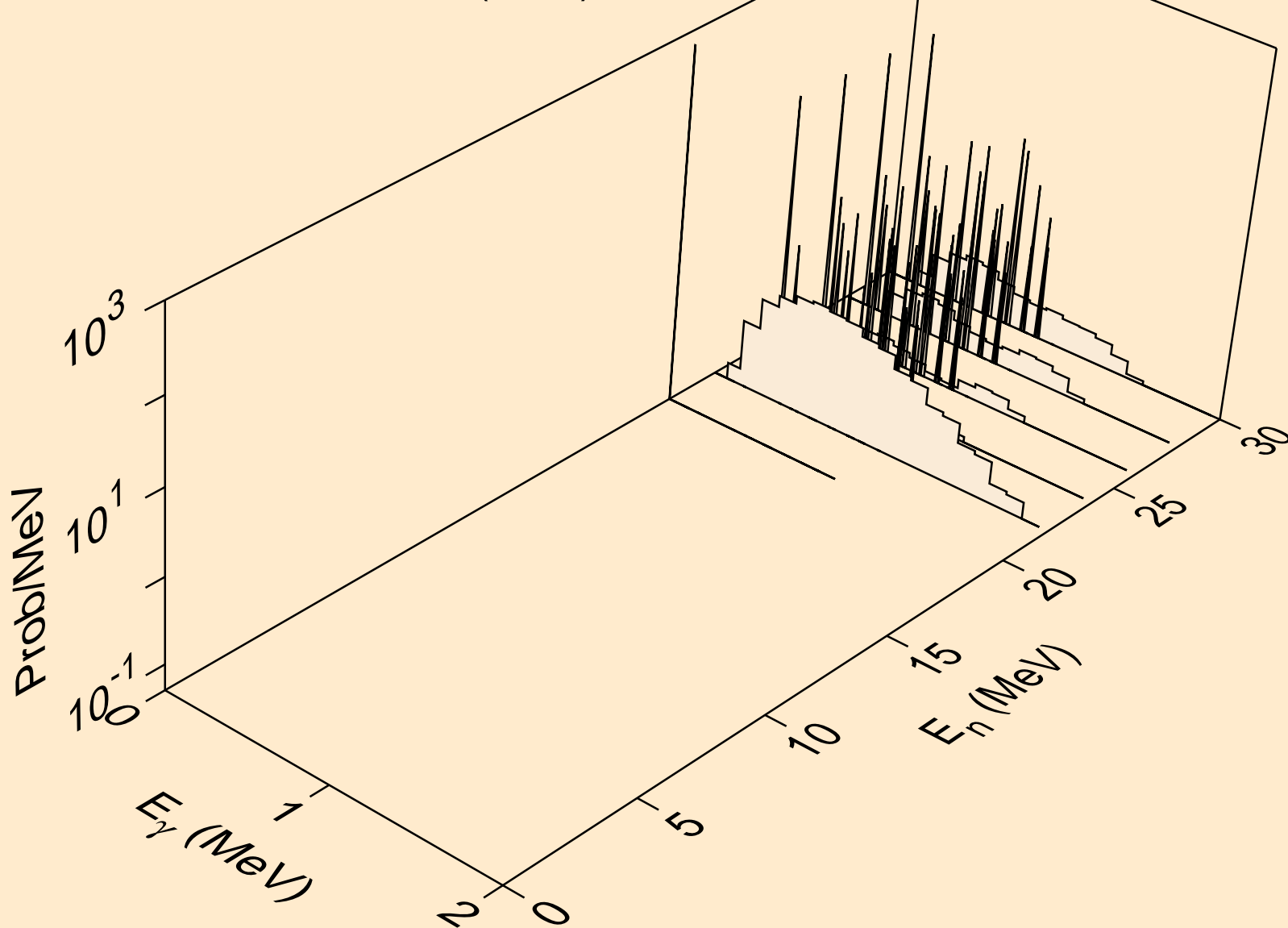
EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



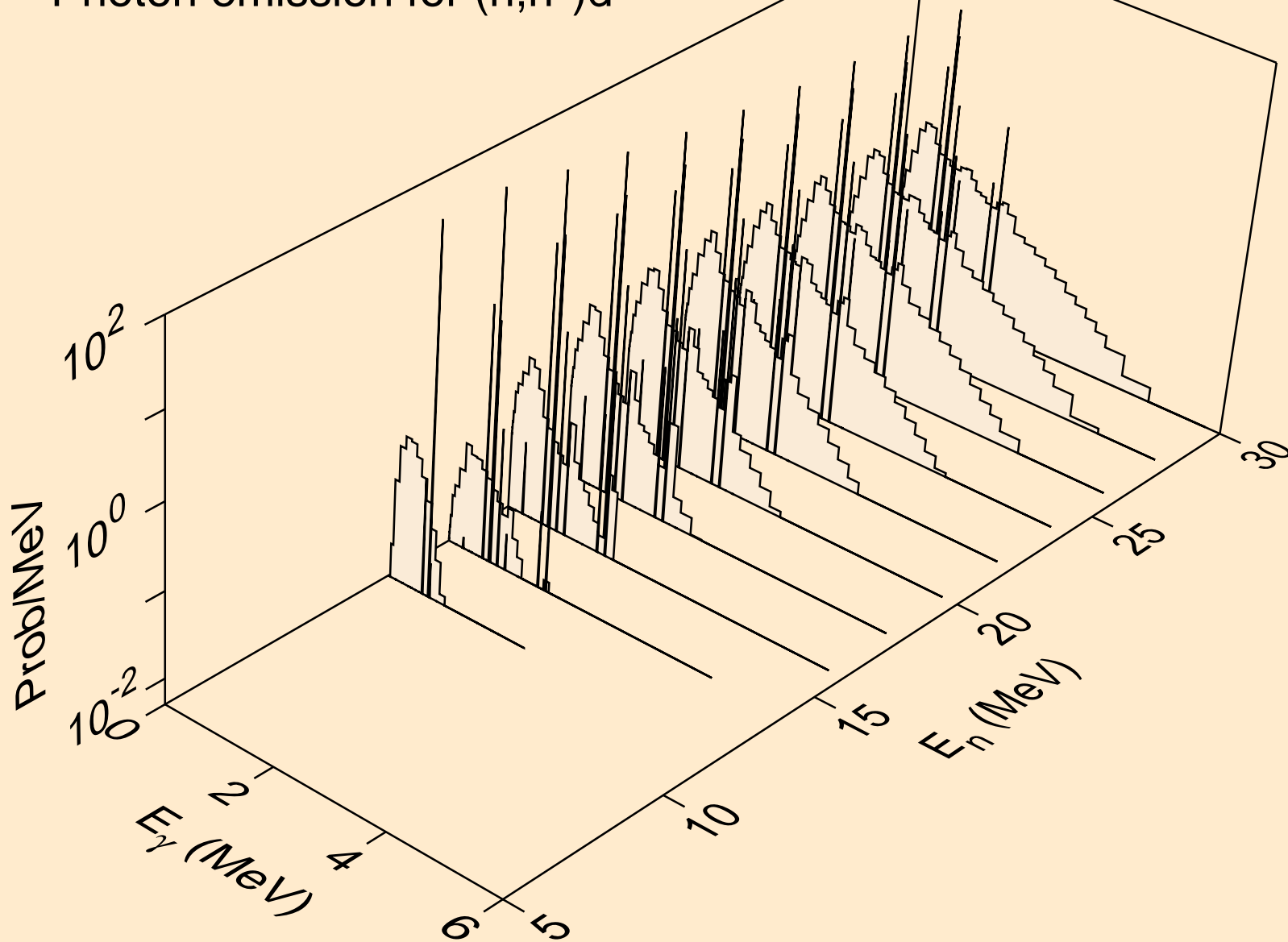
EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)2a

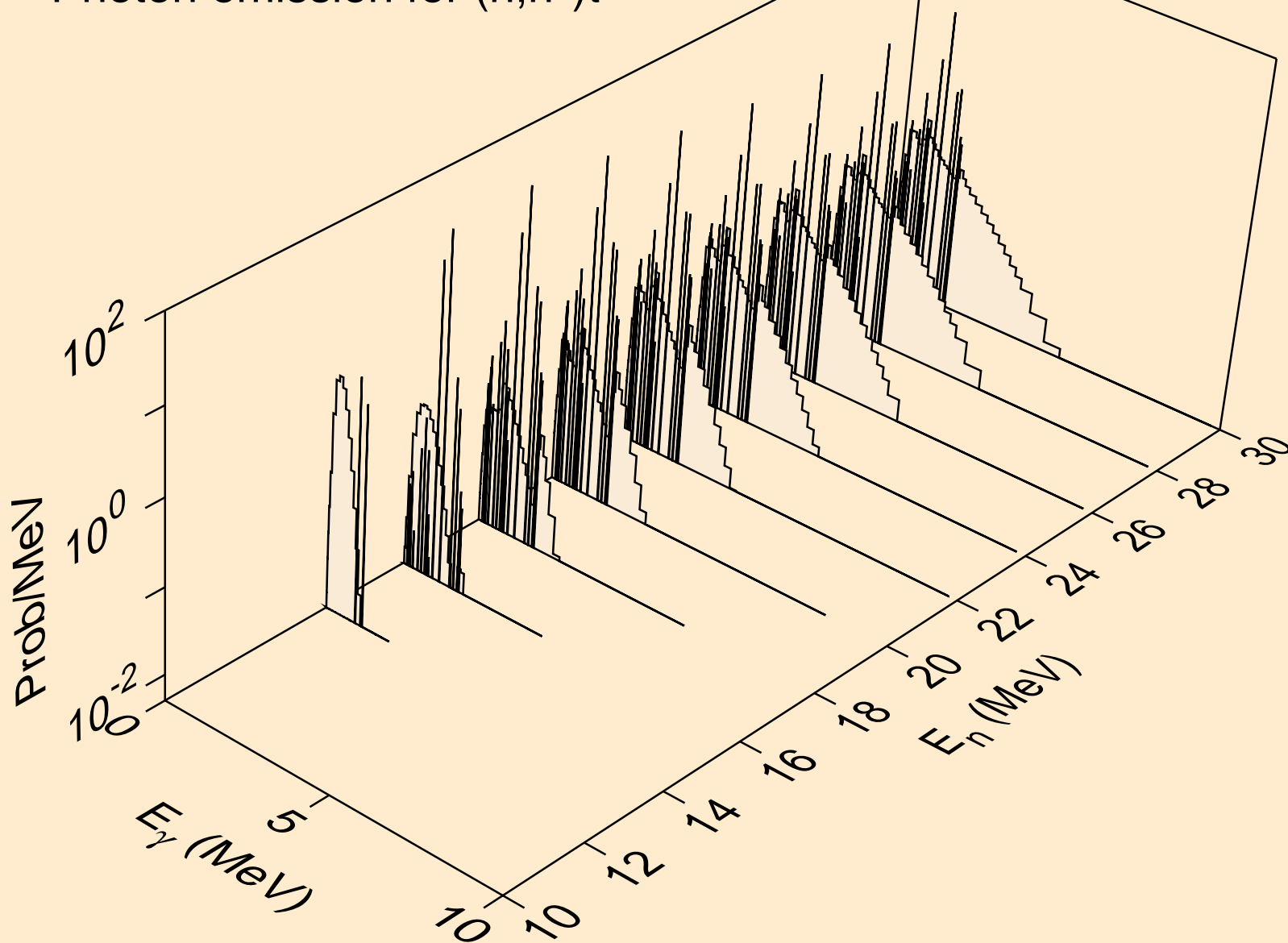


EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d

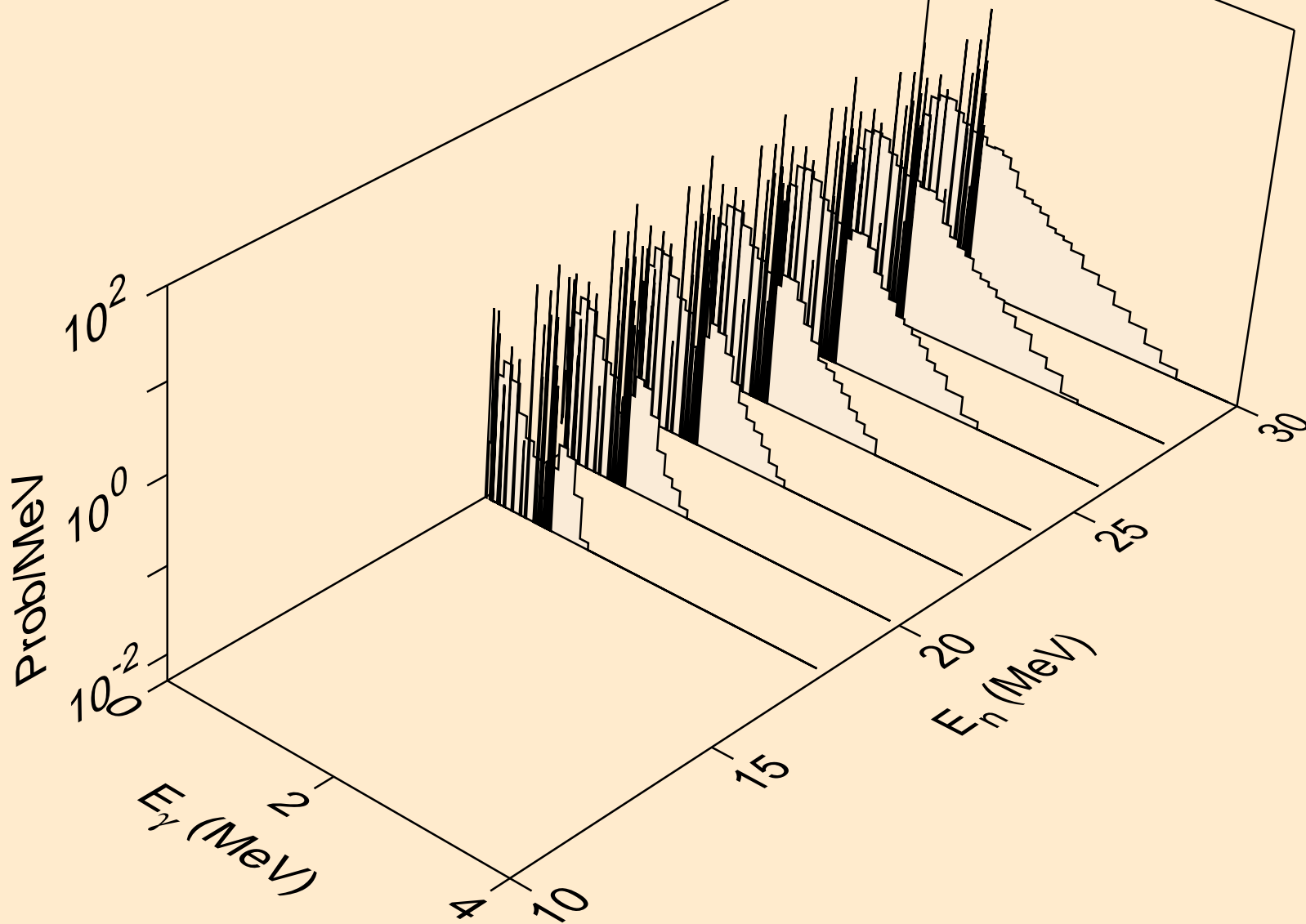




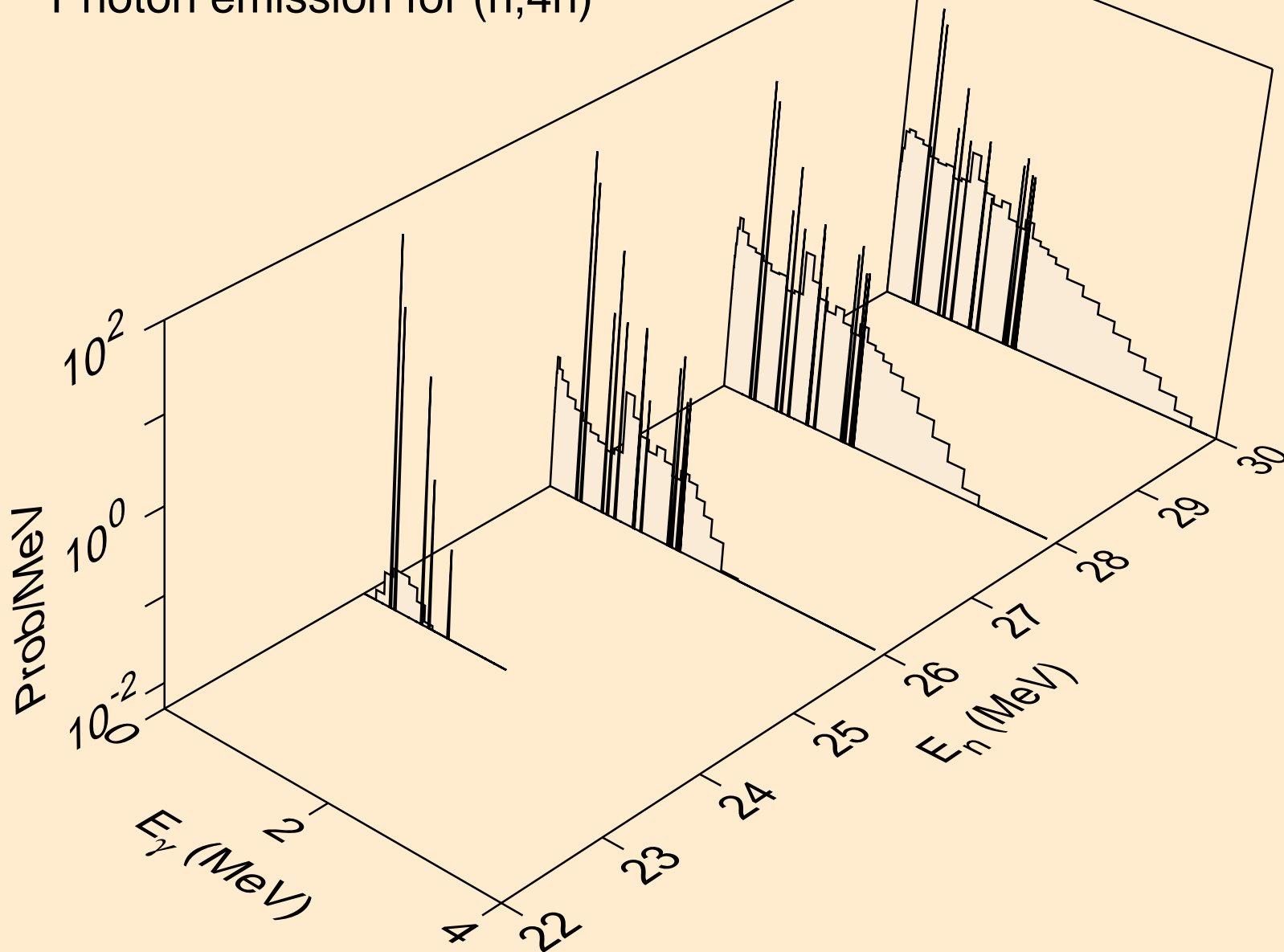
EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



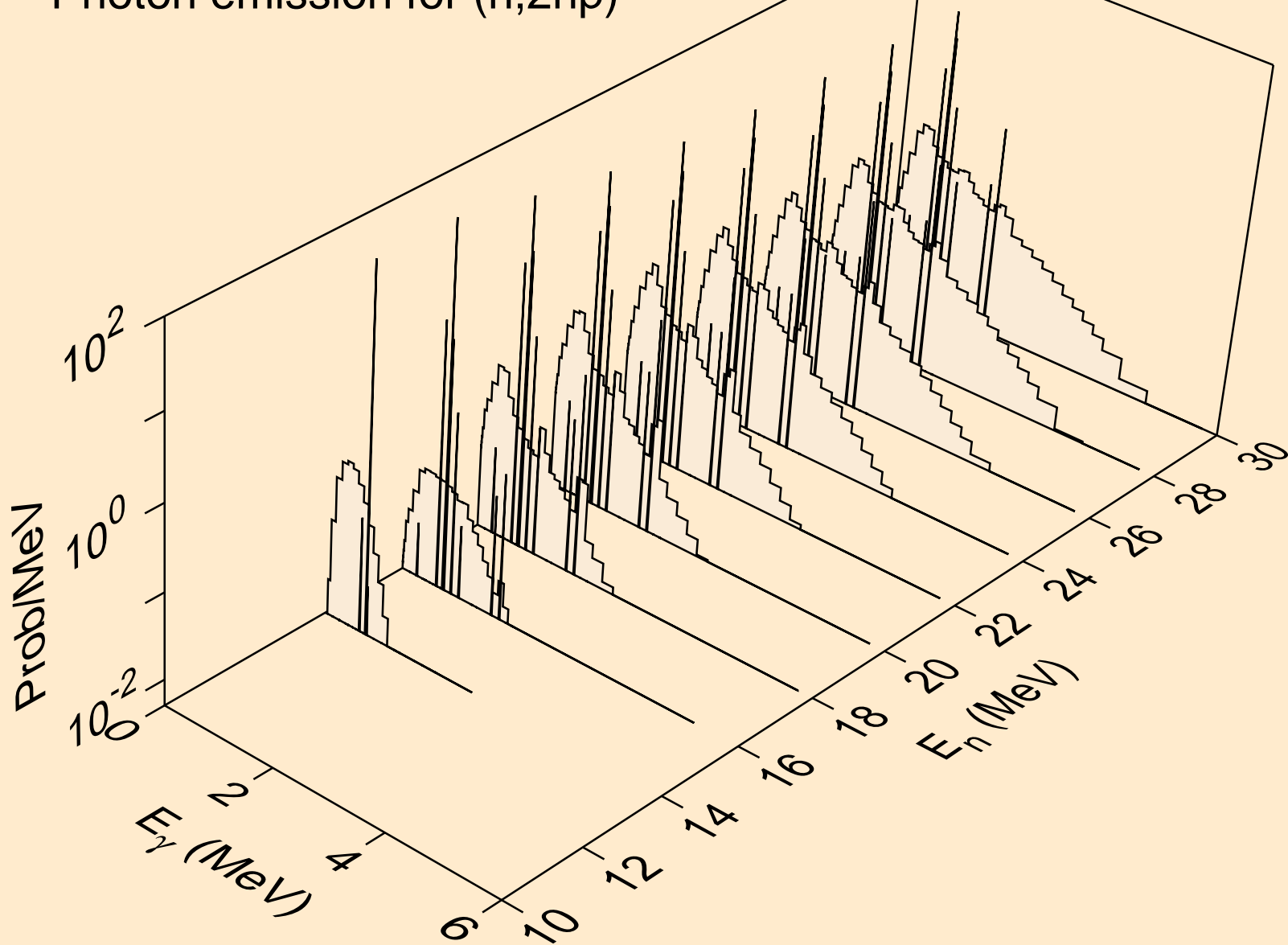
EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



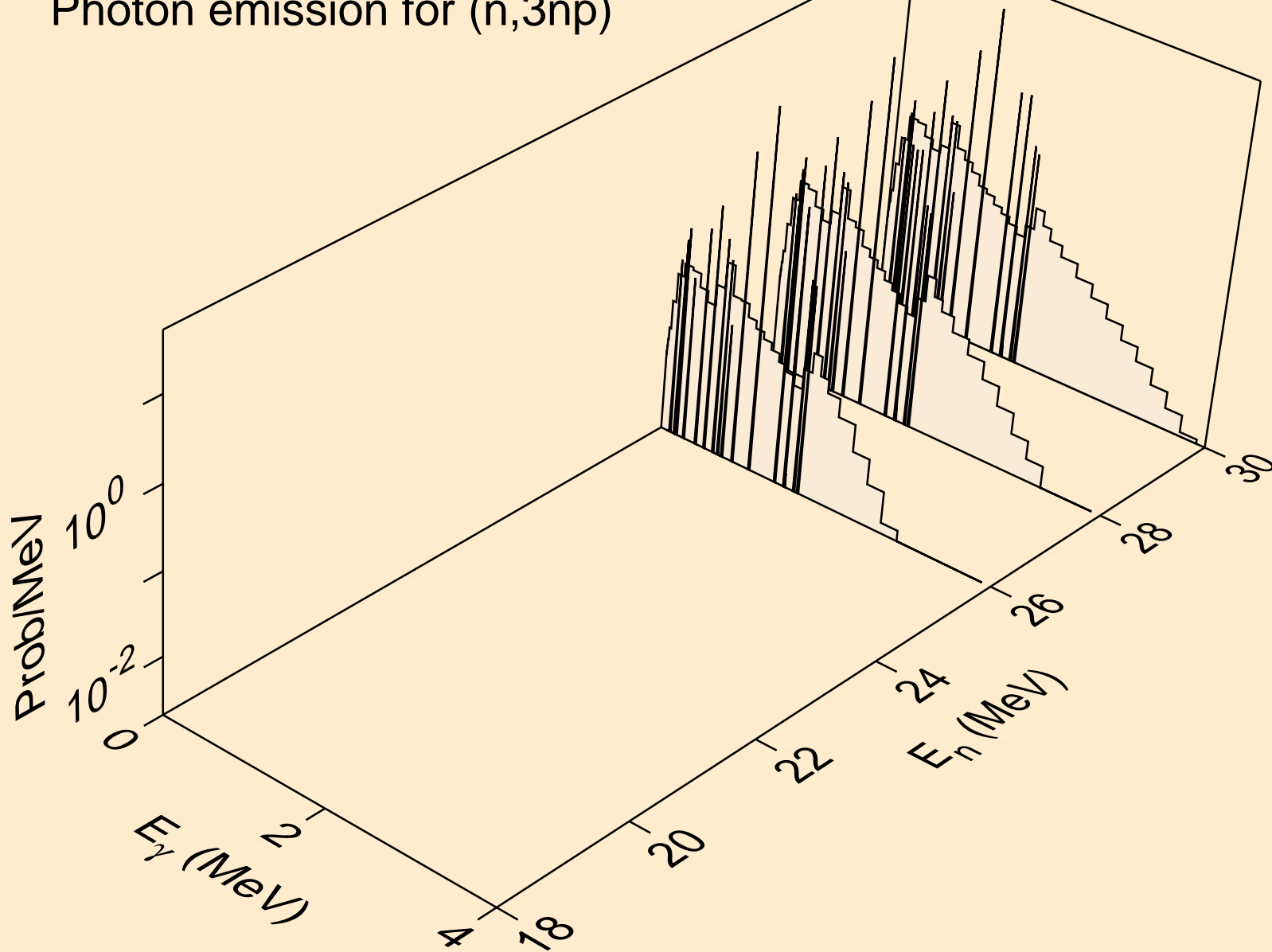
EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,4n)



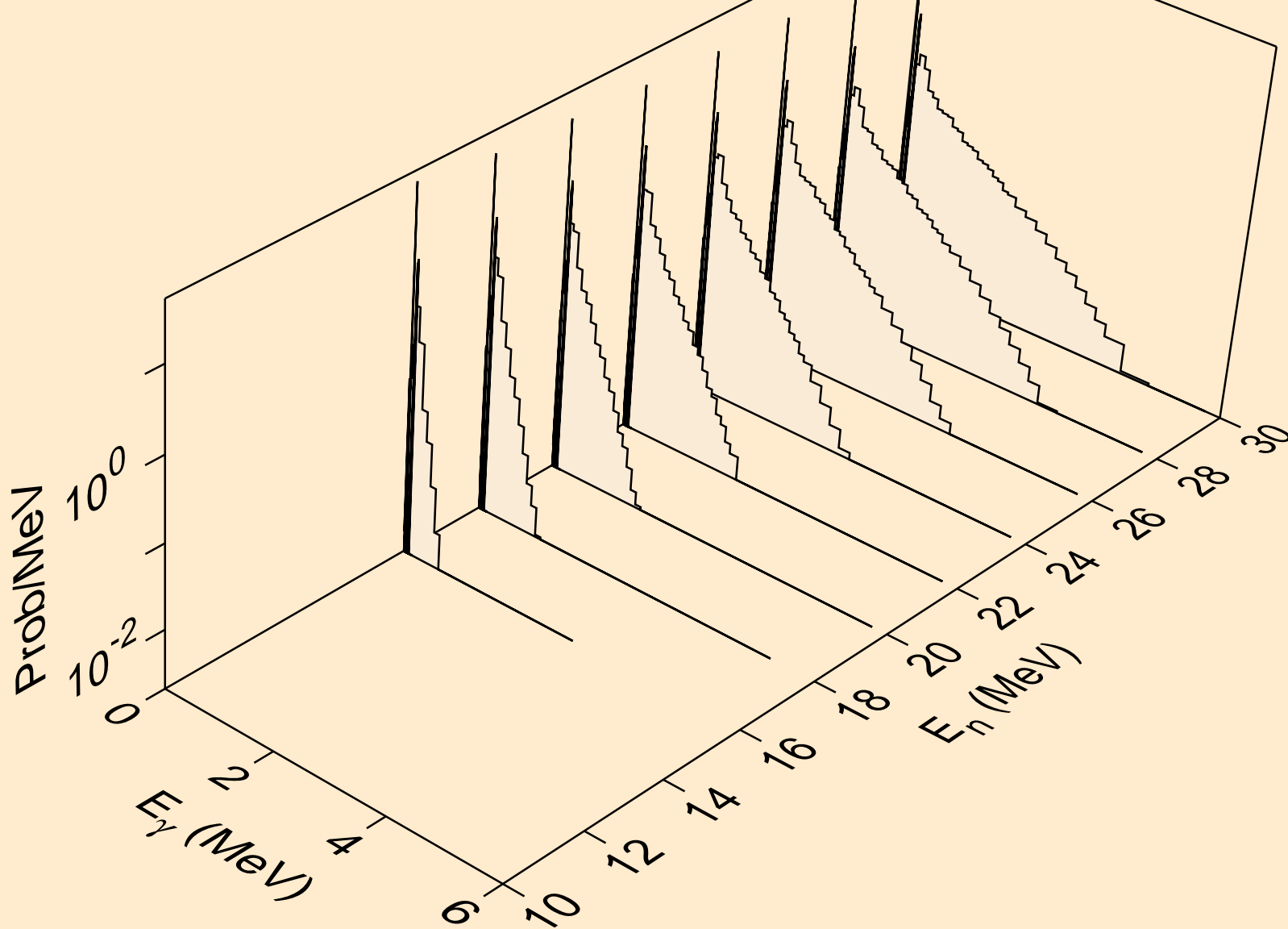
EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)



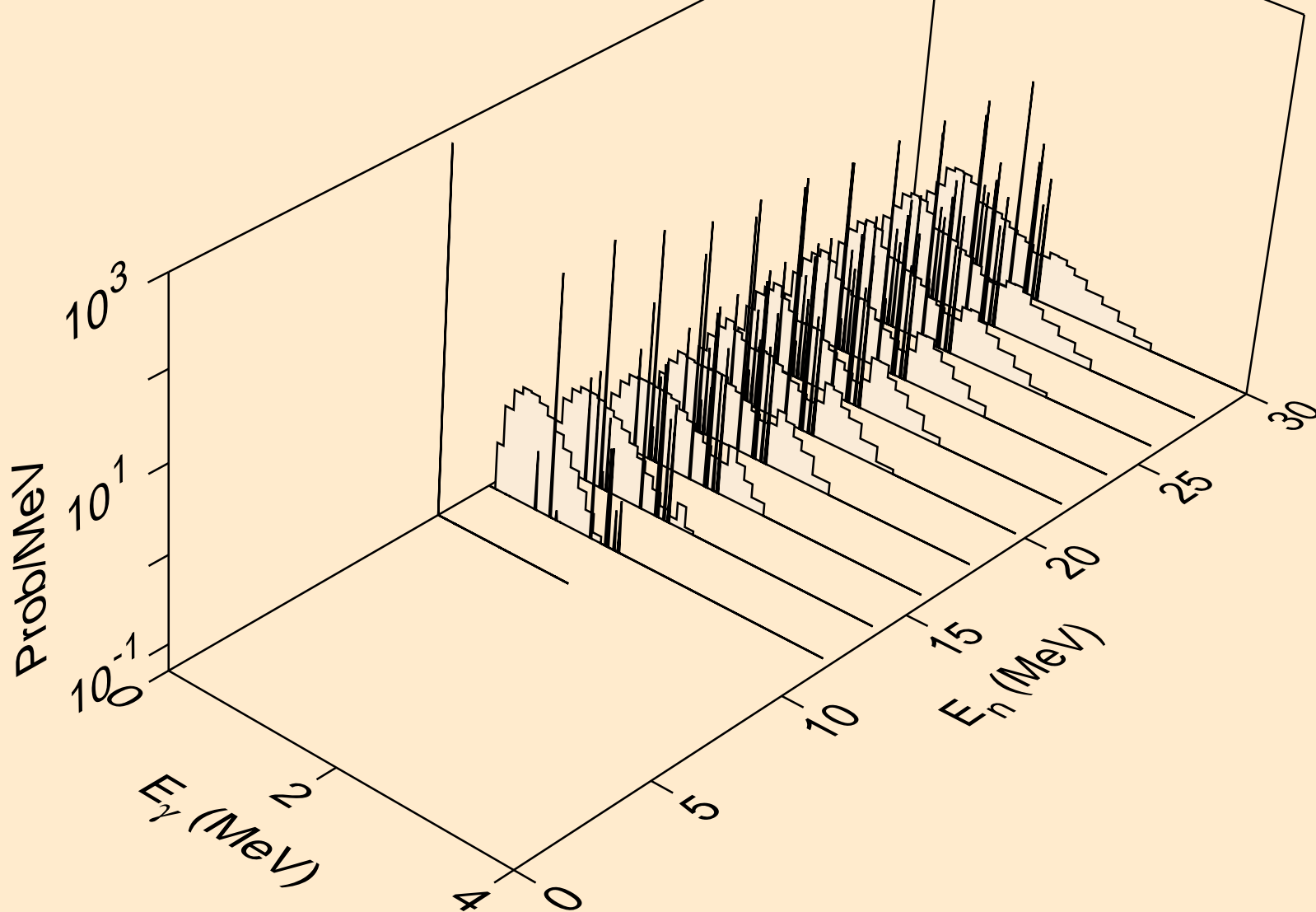
EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3np)



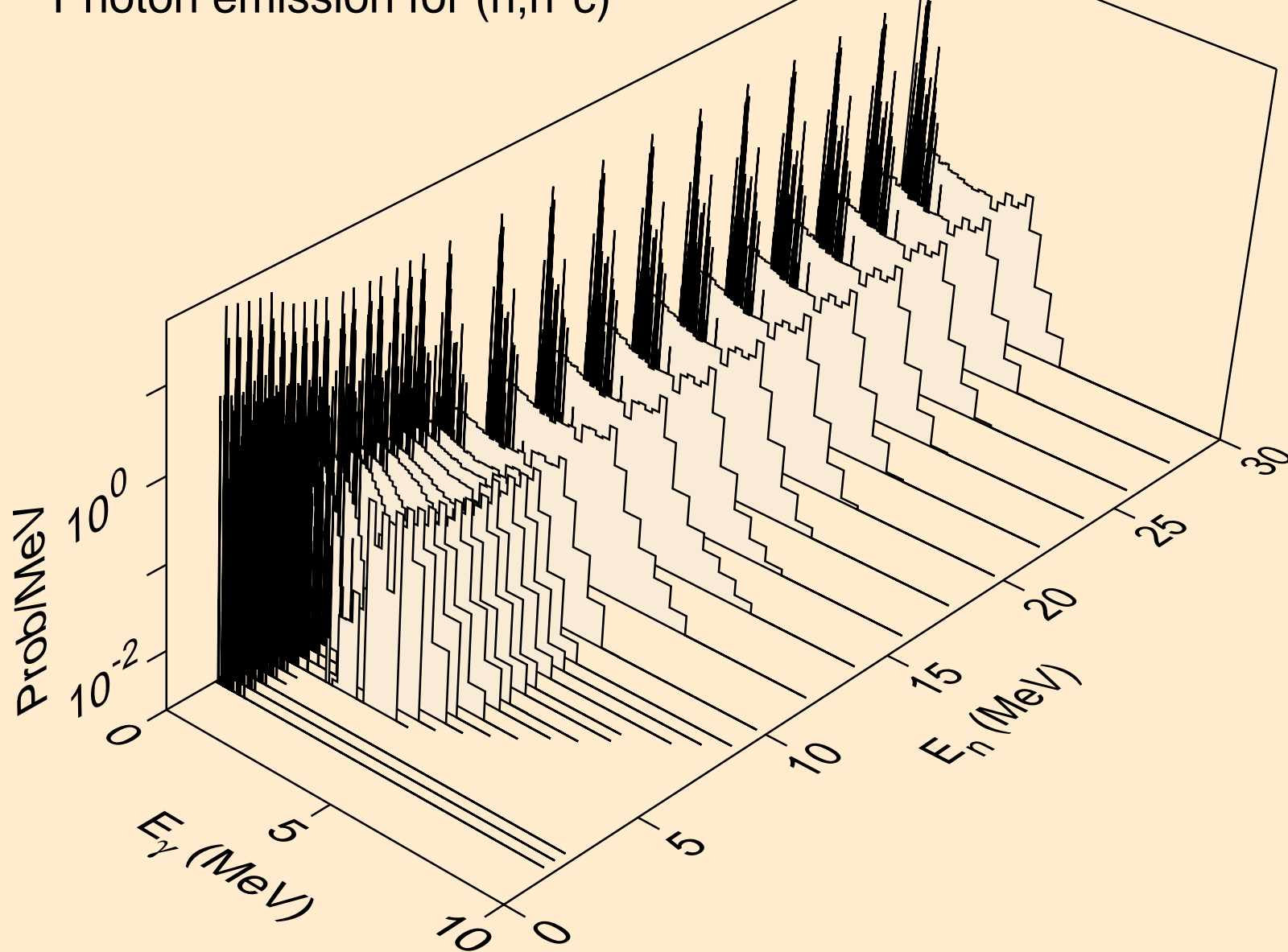
EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)



EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,npa)

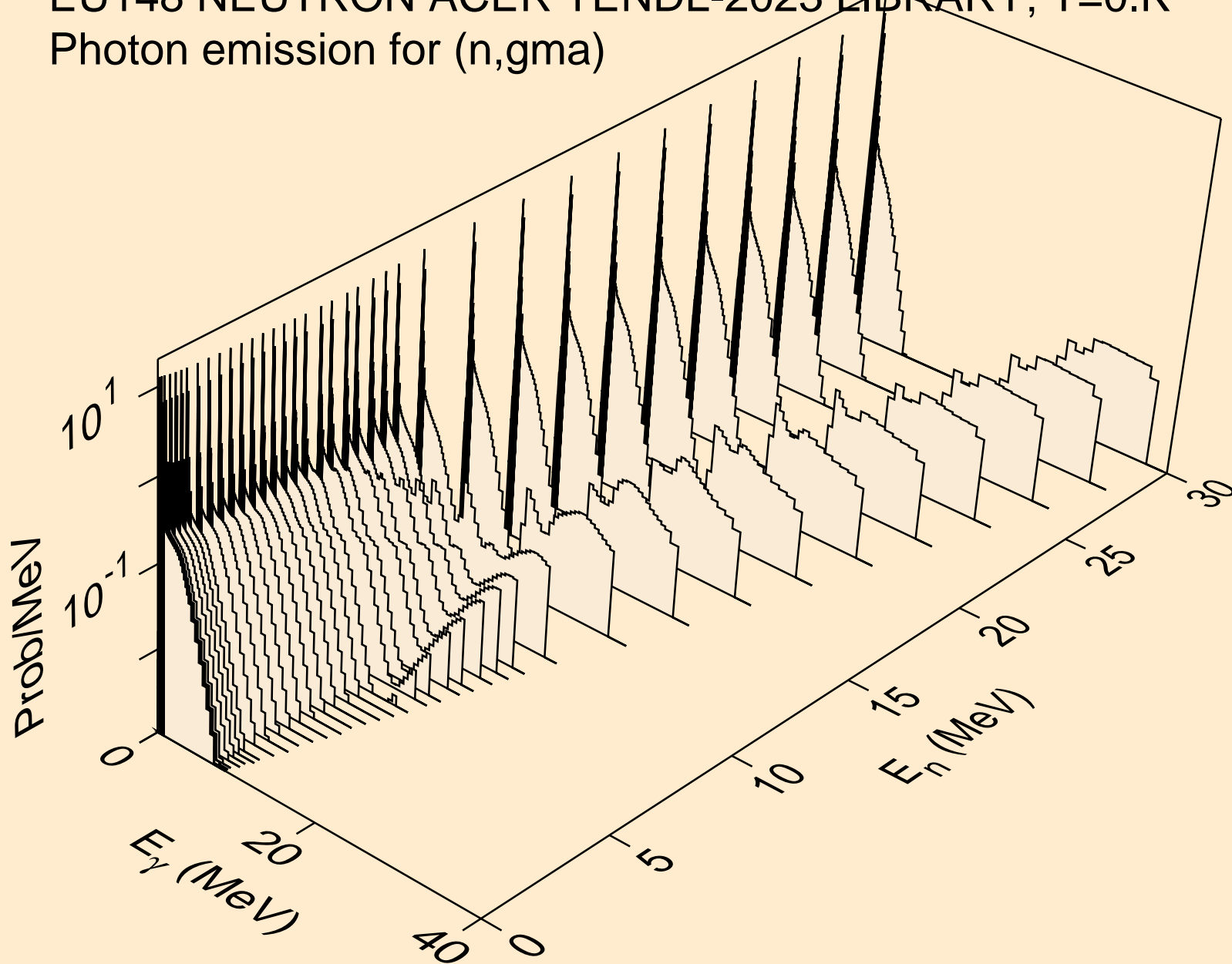


EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*c)

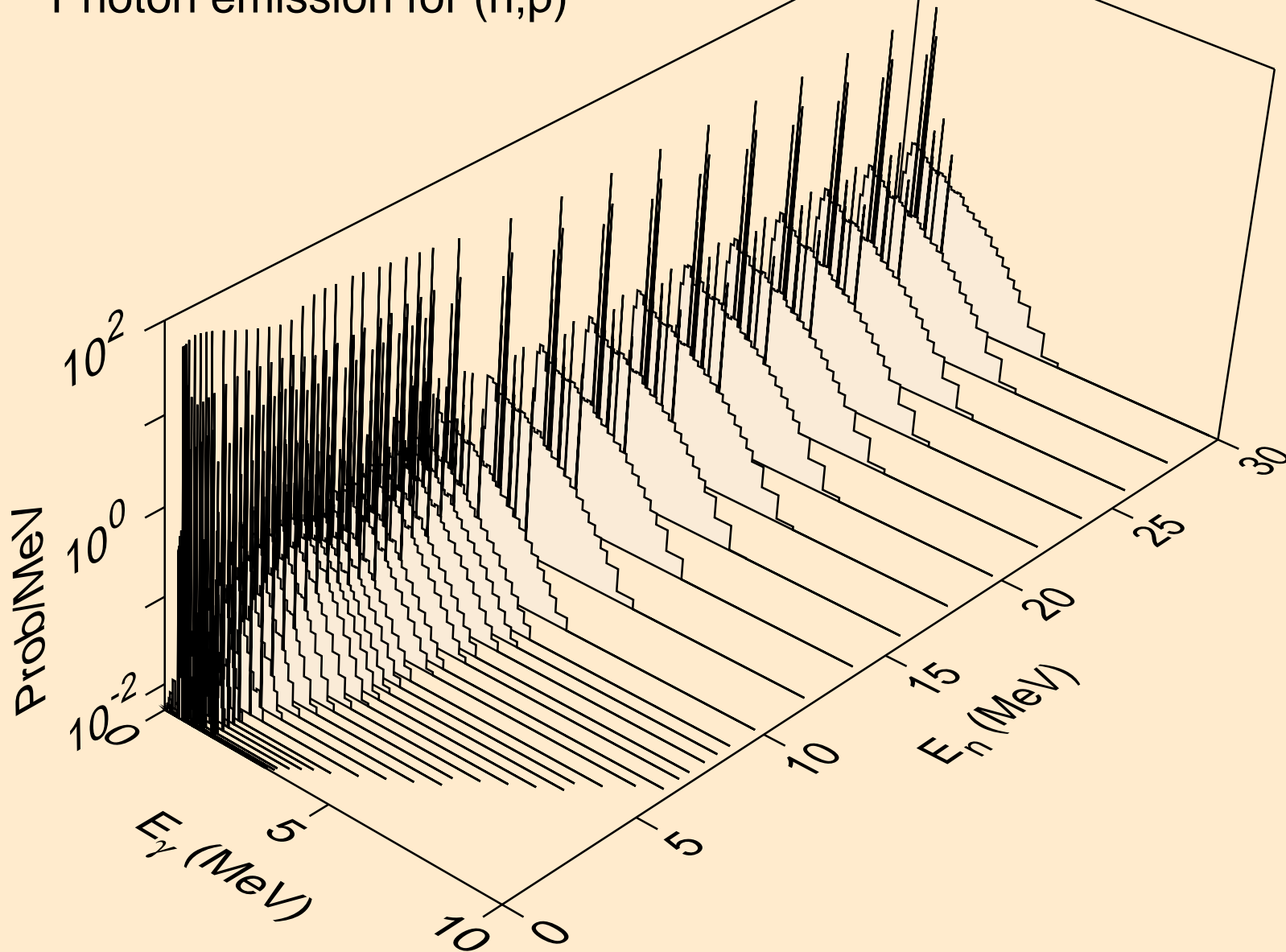




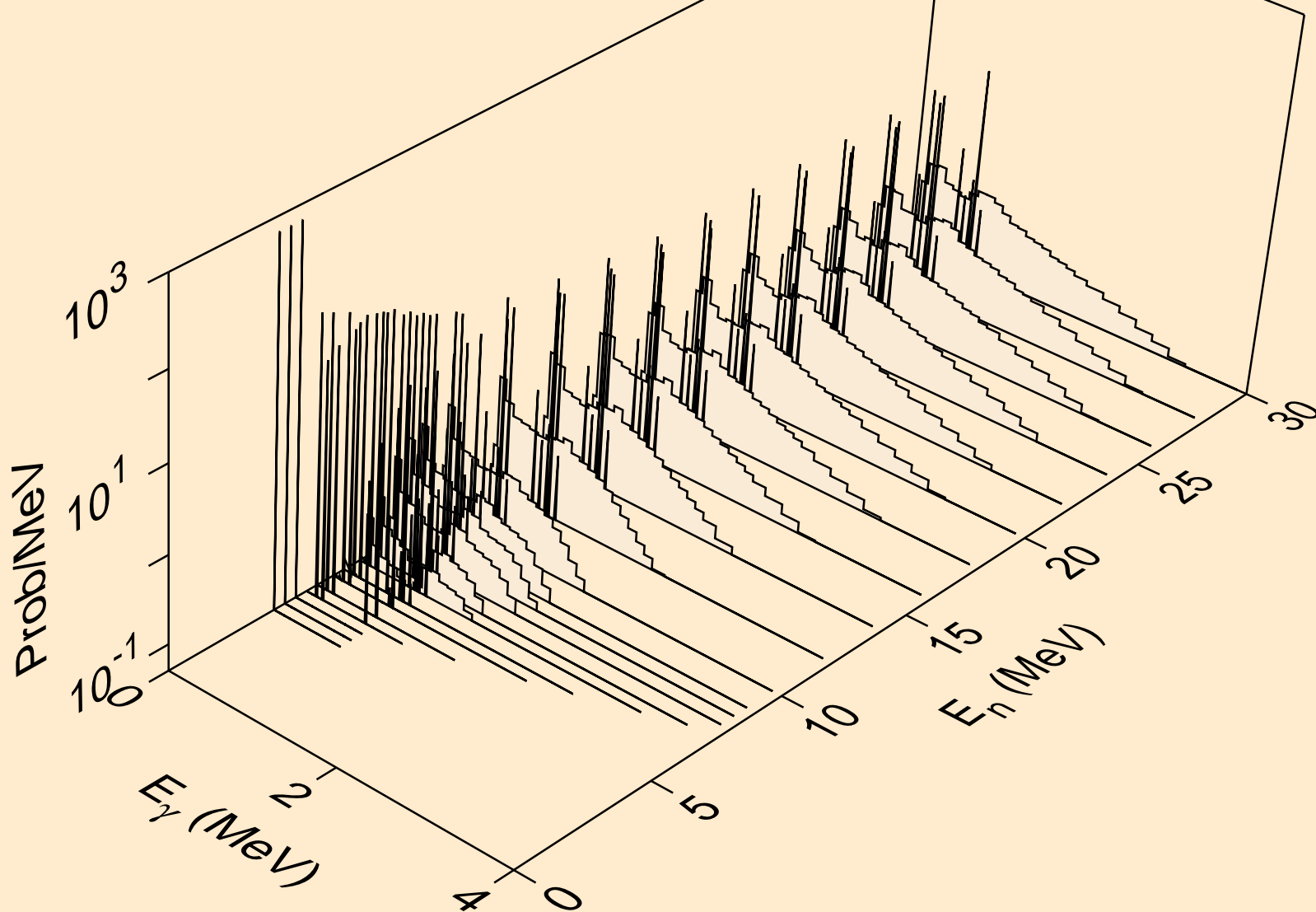
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Photon emission for (n,gma)



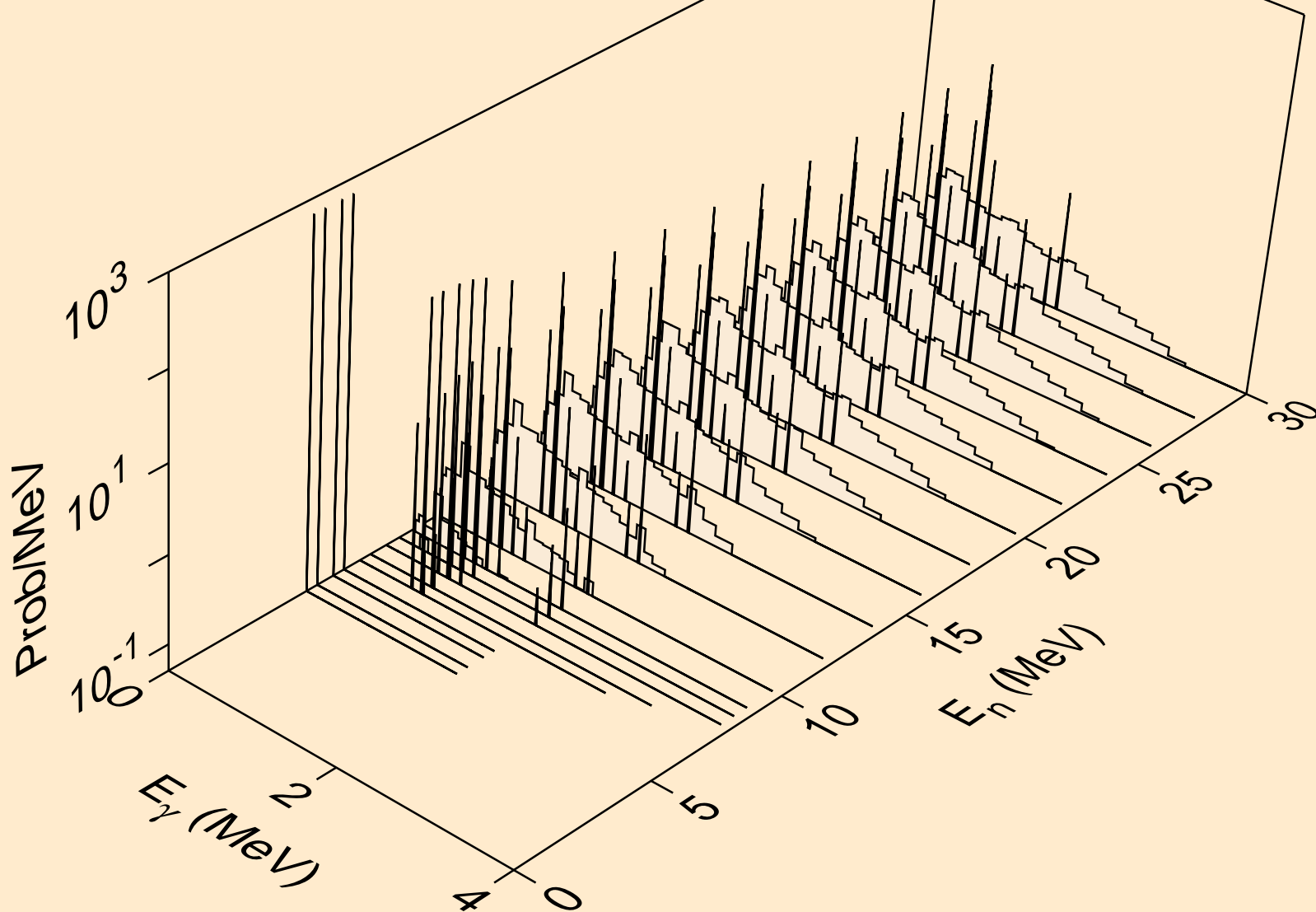
EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)



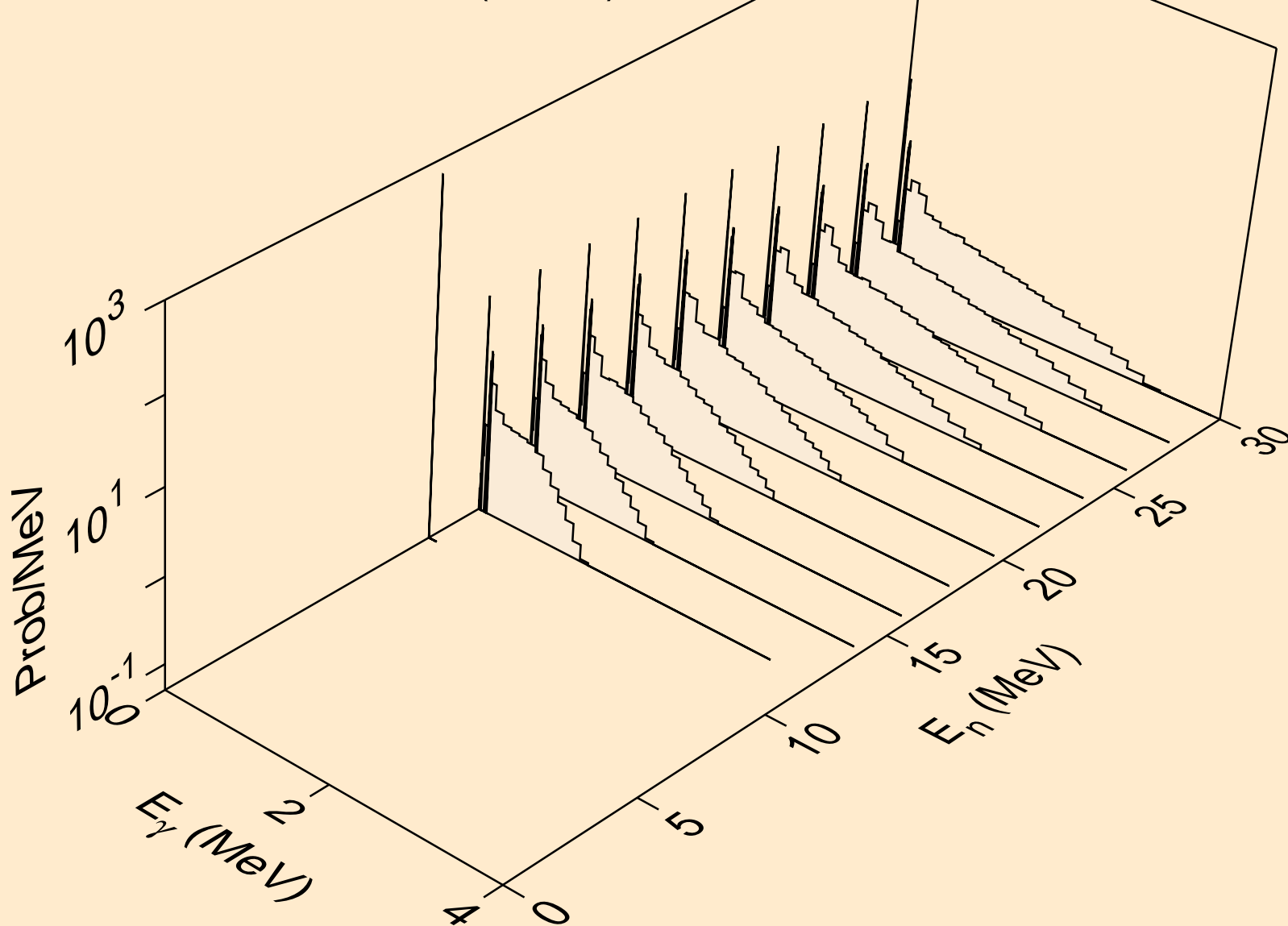
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Photon emission for (n,d)



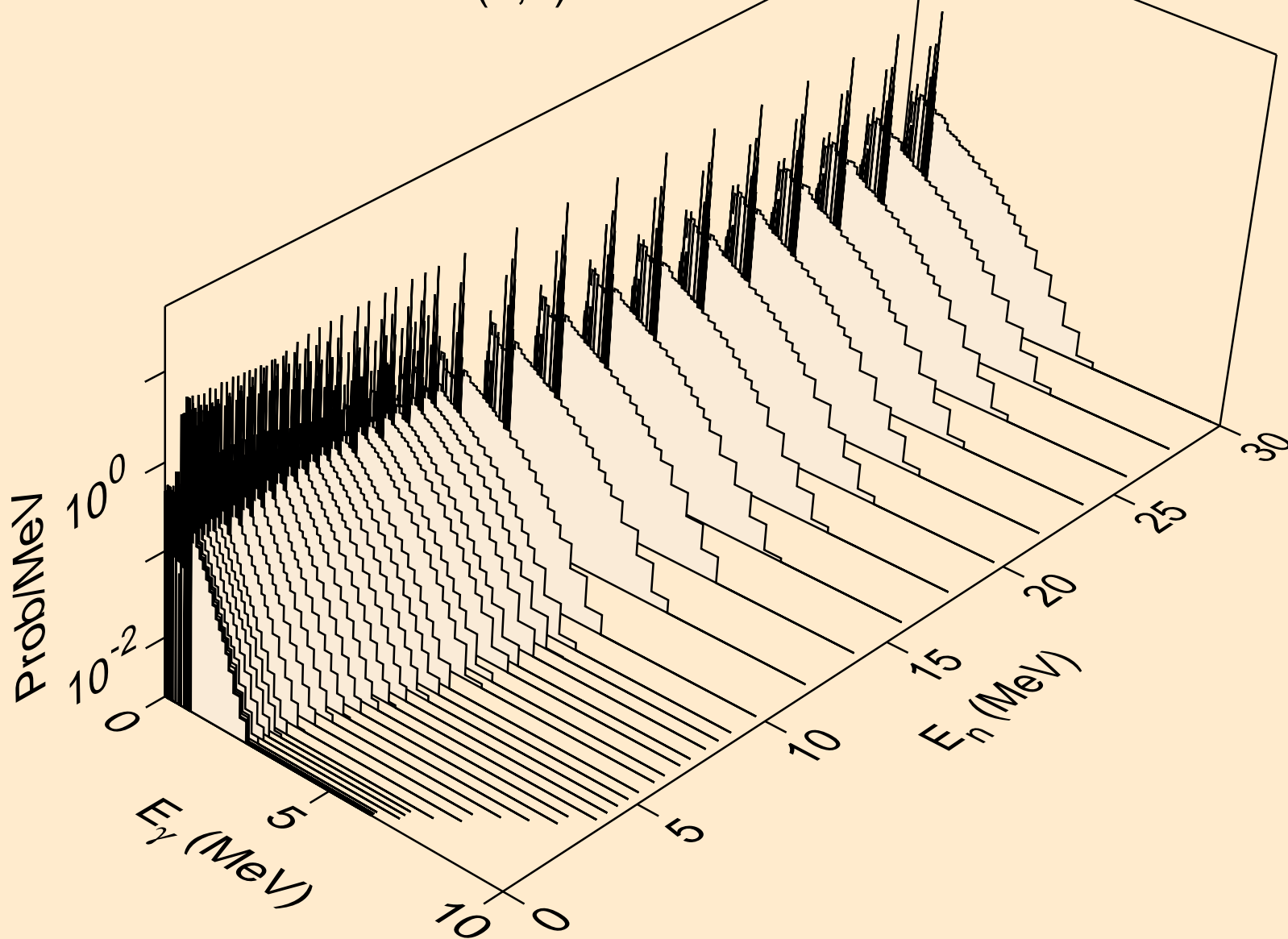
EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)



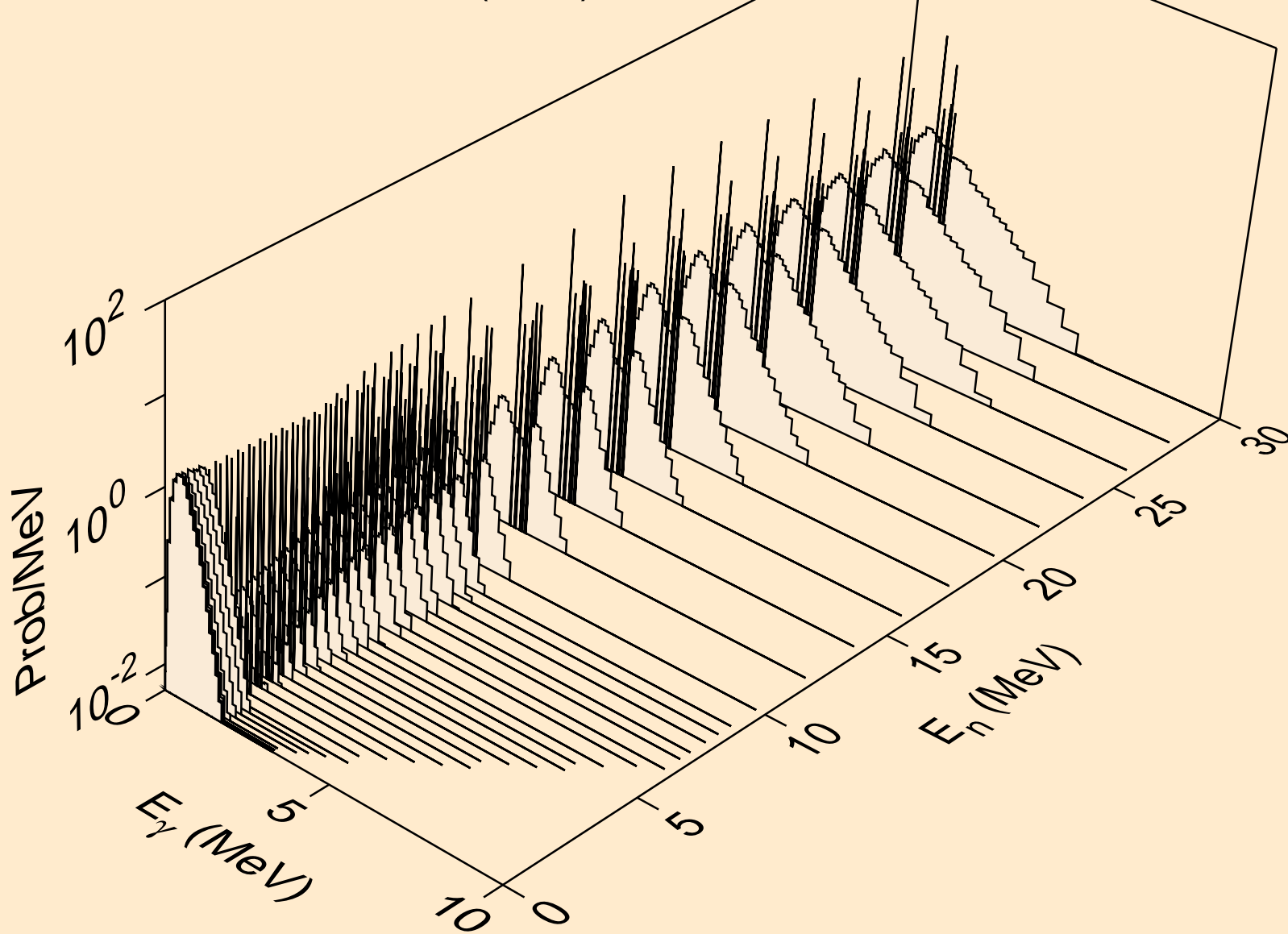
EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)



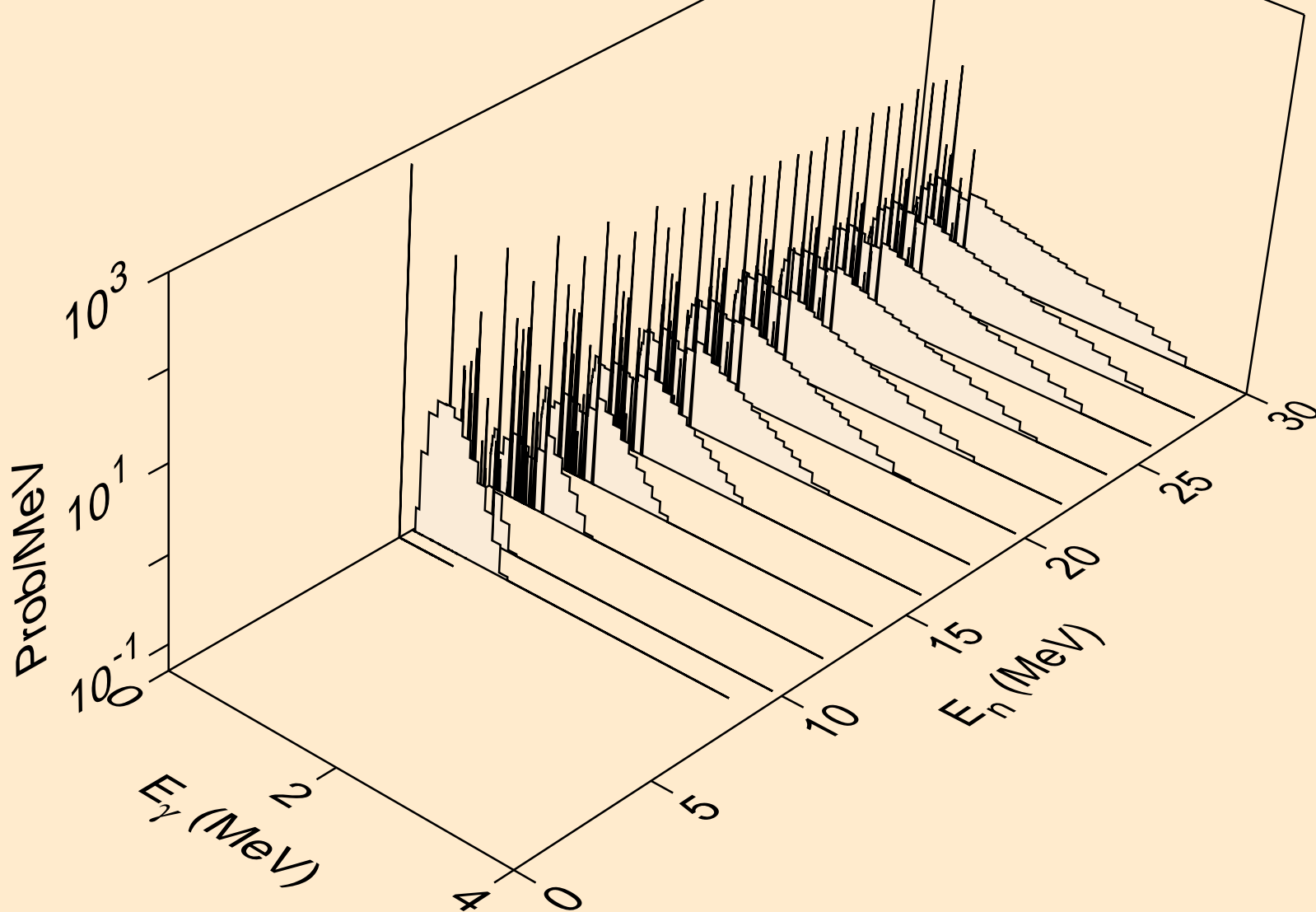
EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)



EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2a)

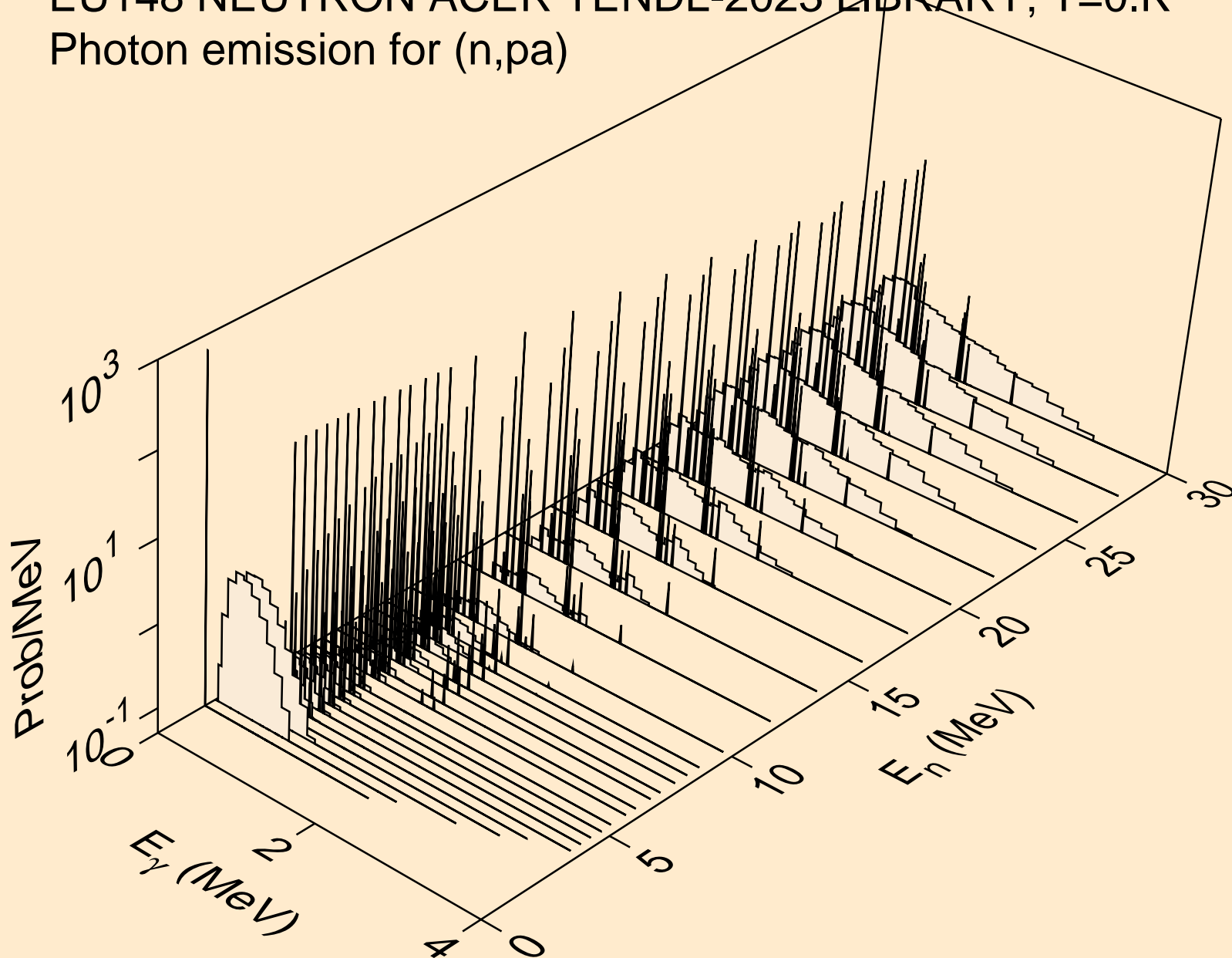


EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)

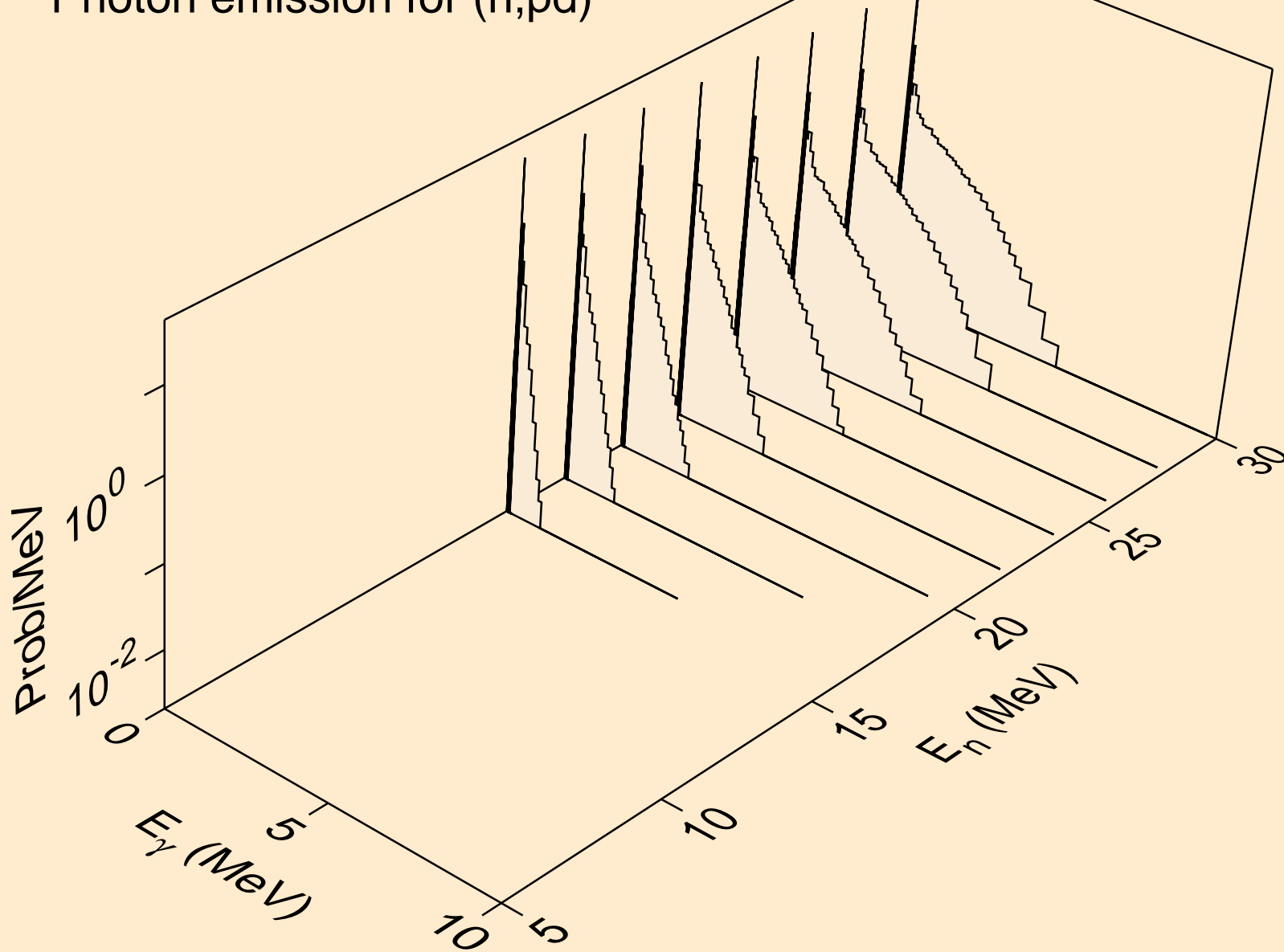




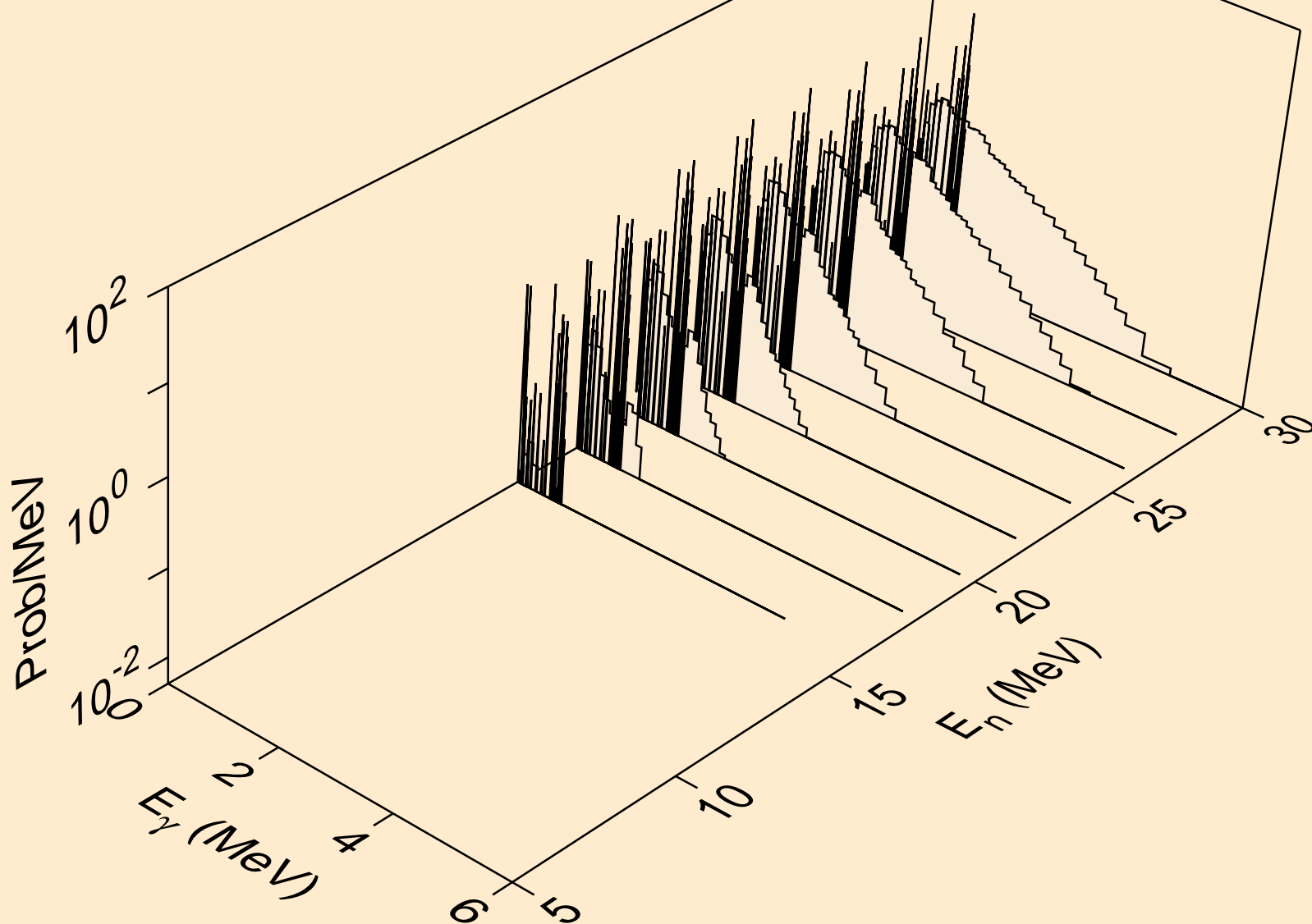
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Photon emission for (n,p $\alpha$ )



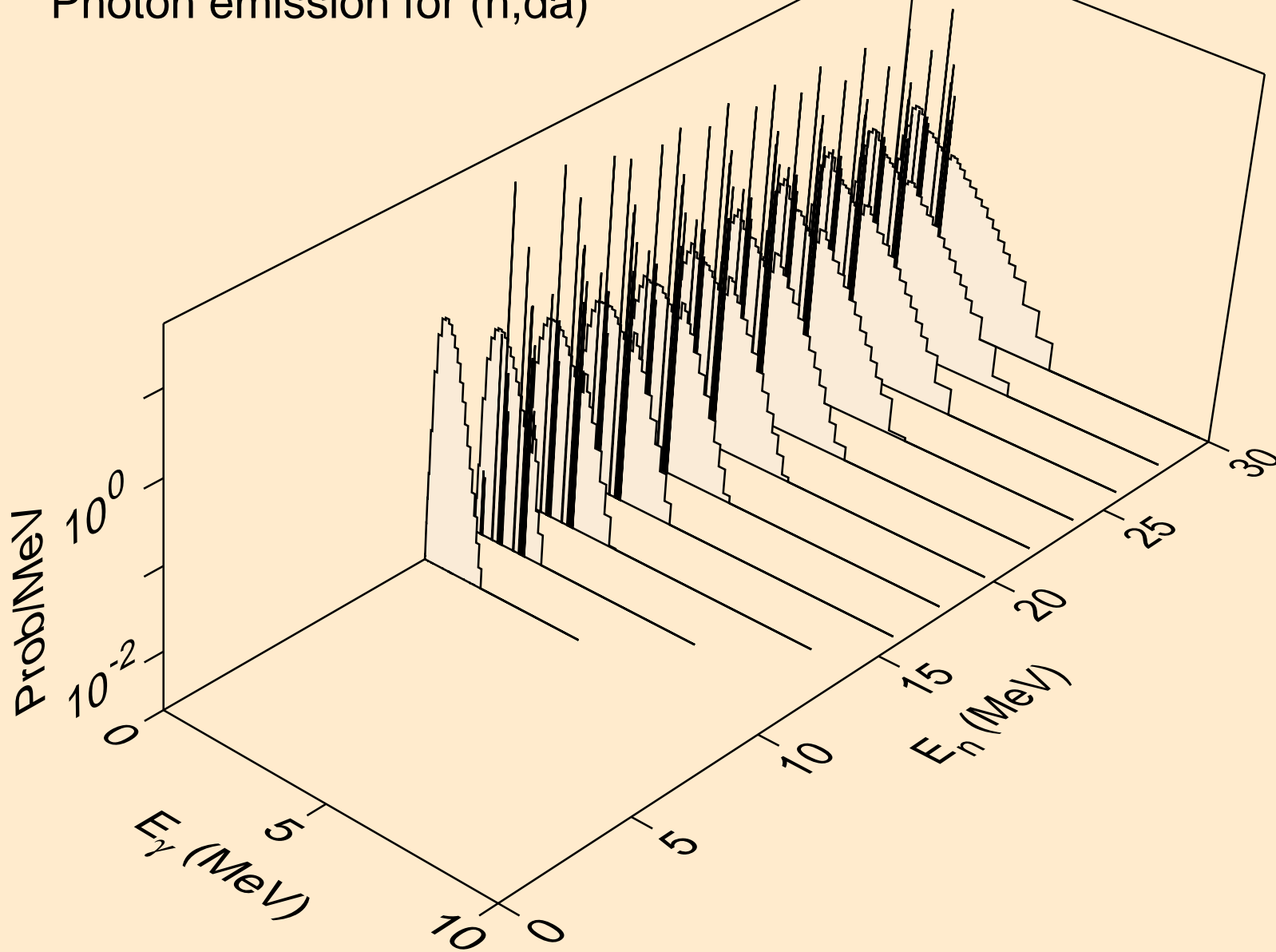
EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)



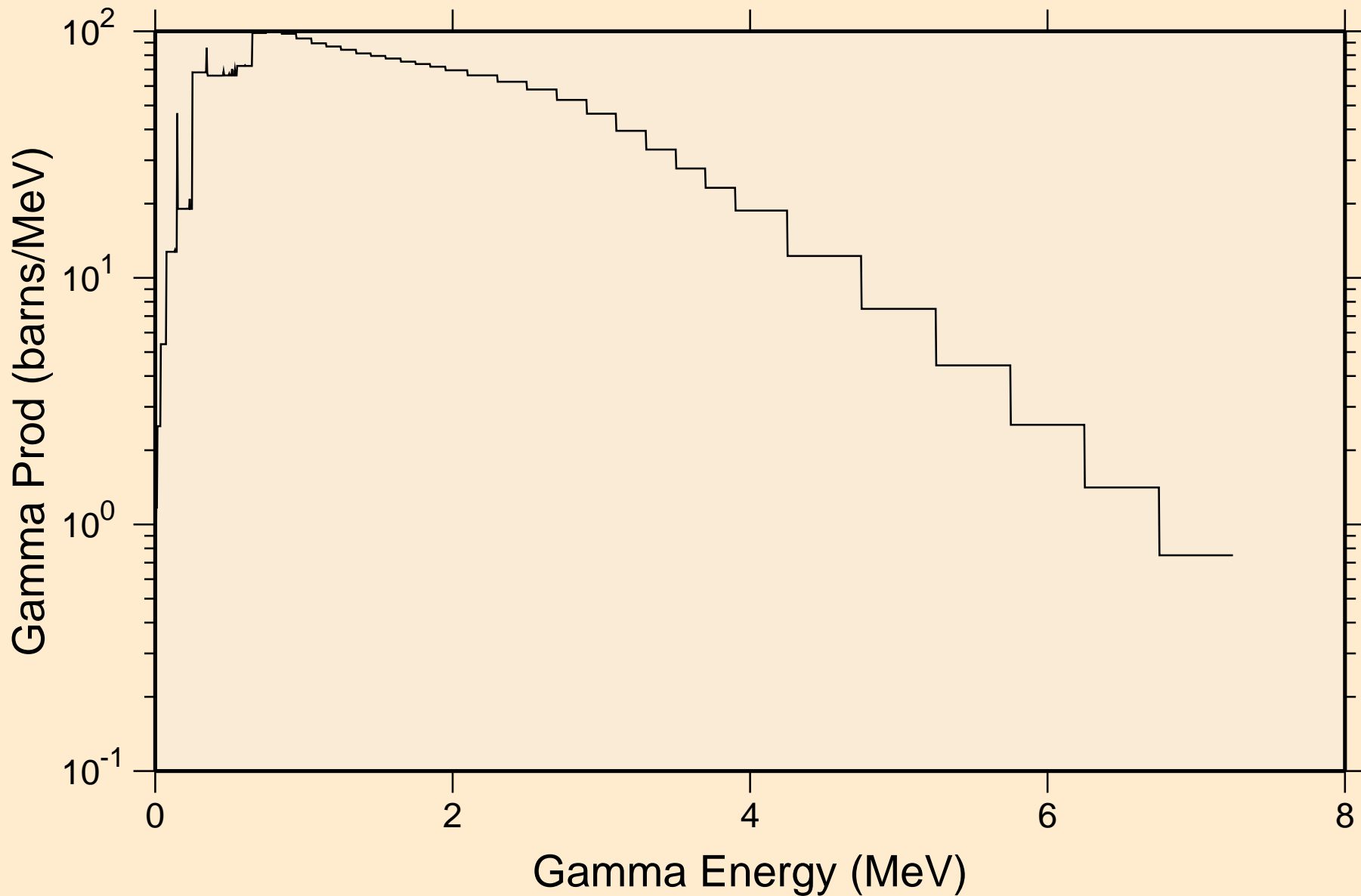
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Photon emission for (n,pt)



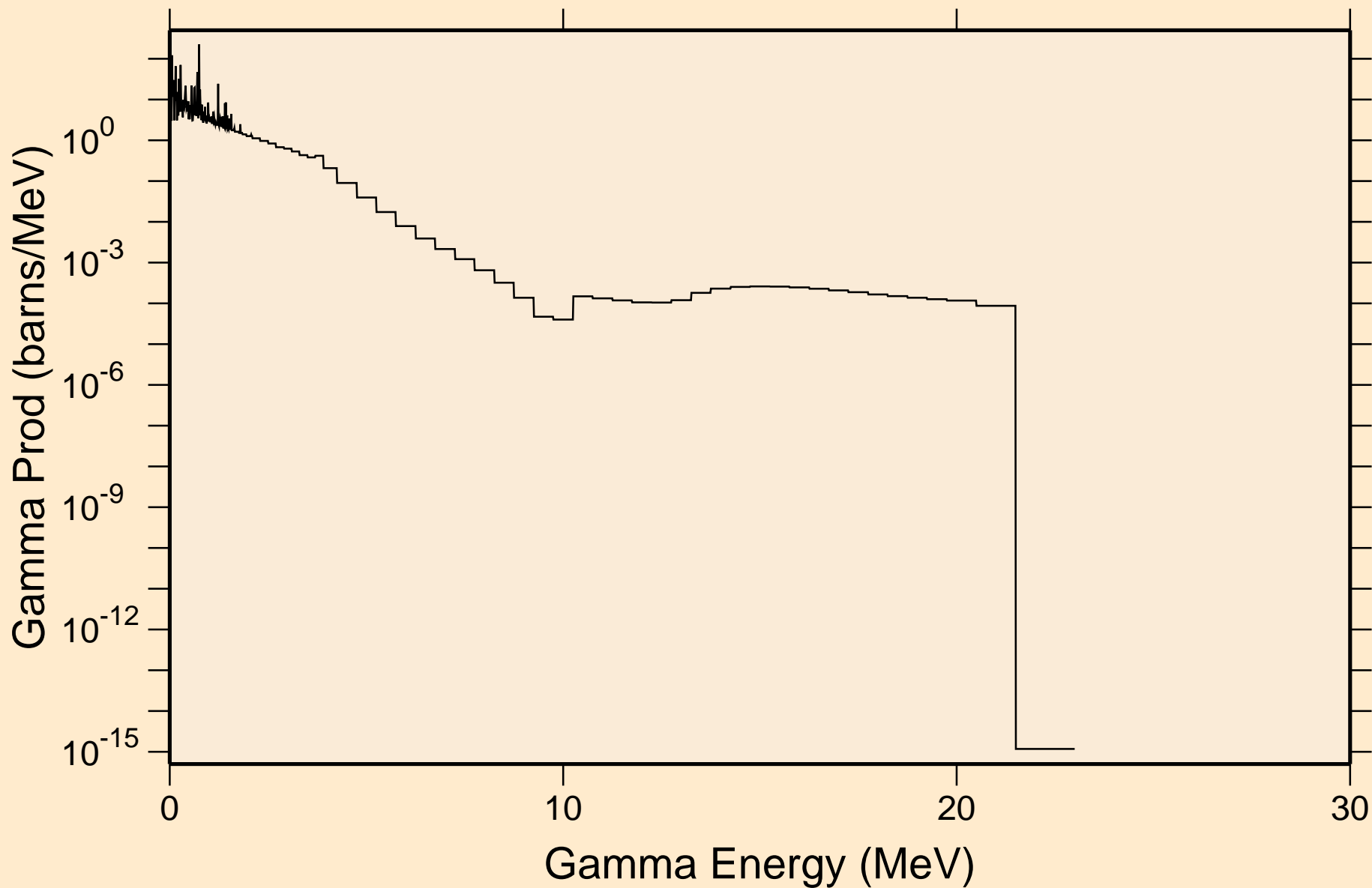
EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)



EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
thermal capture photon spectrum

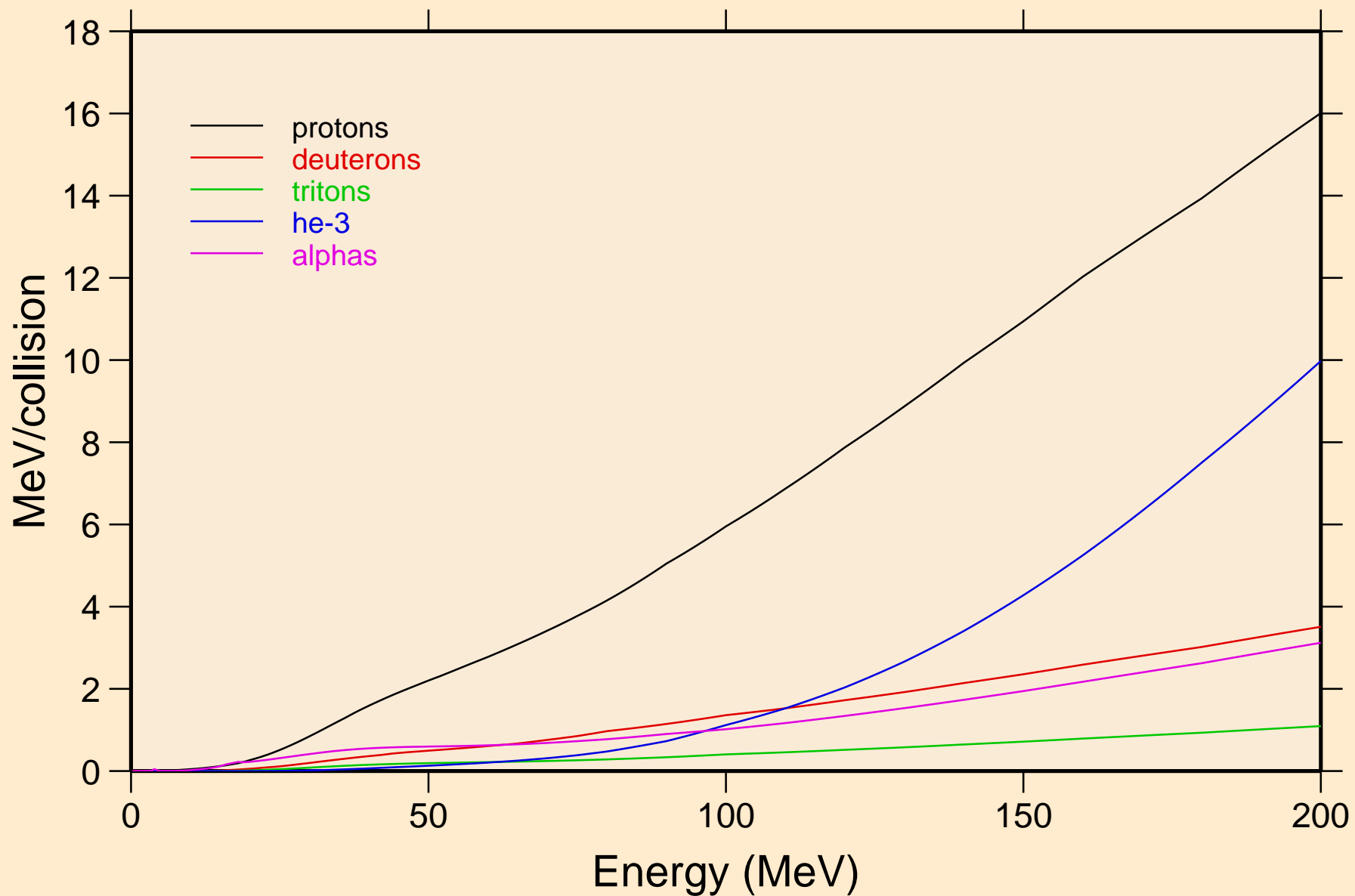


EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
14 MeV photon spectrum



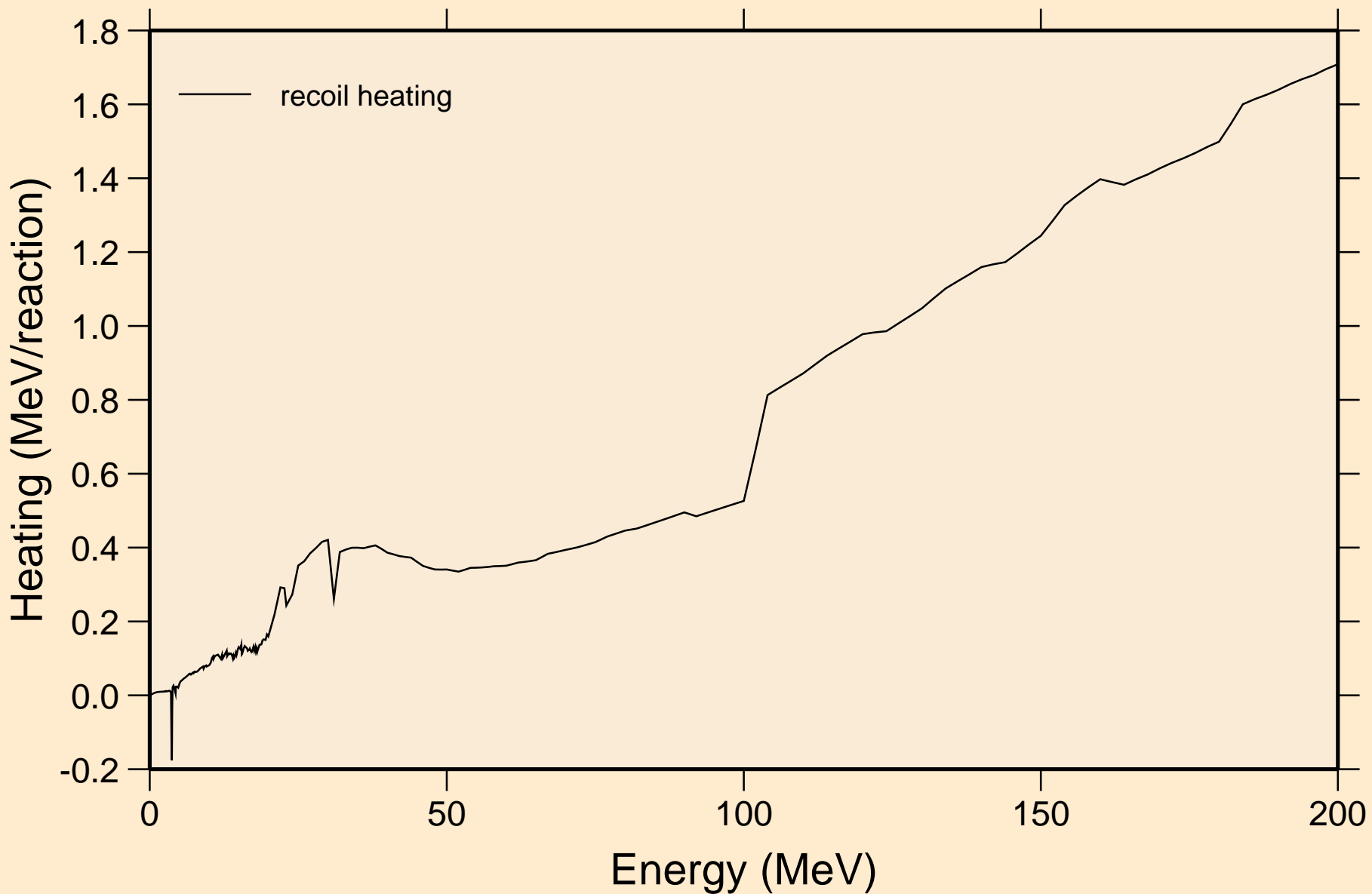
# EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Particle heating contributions



# EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

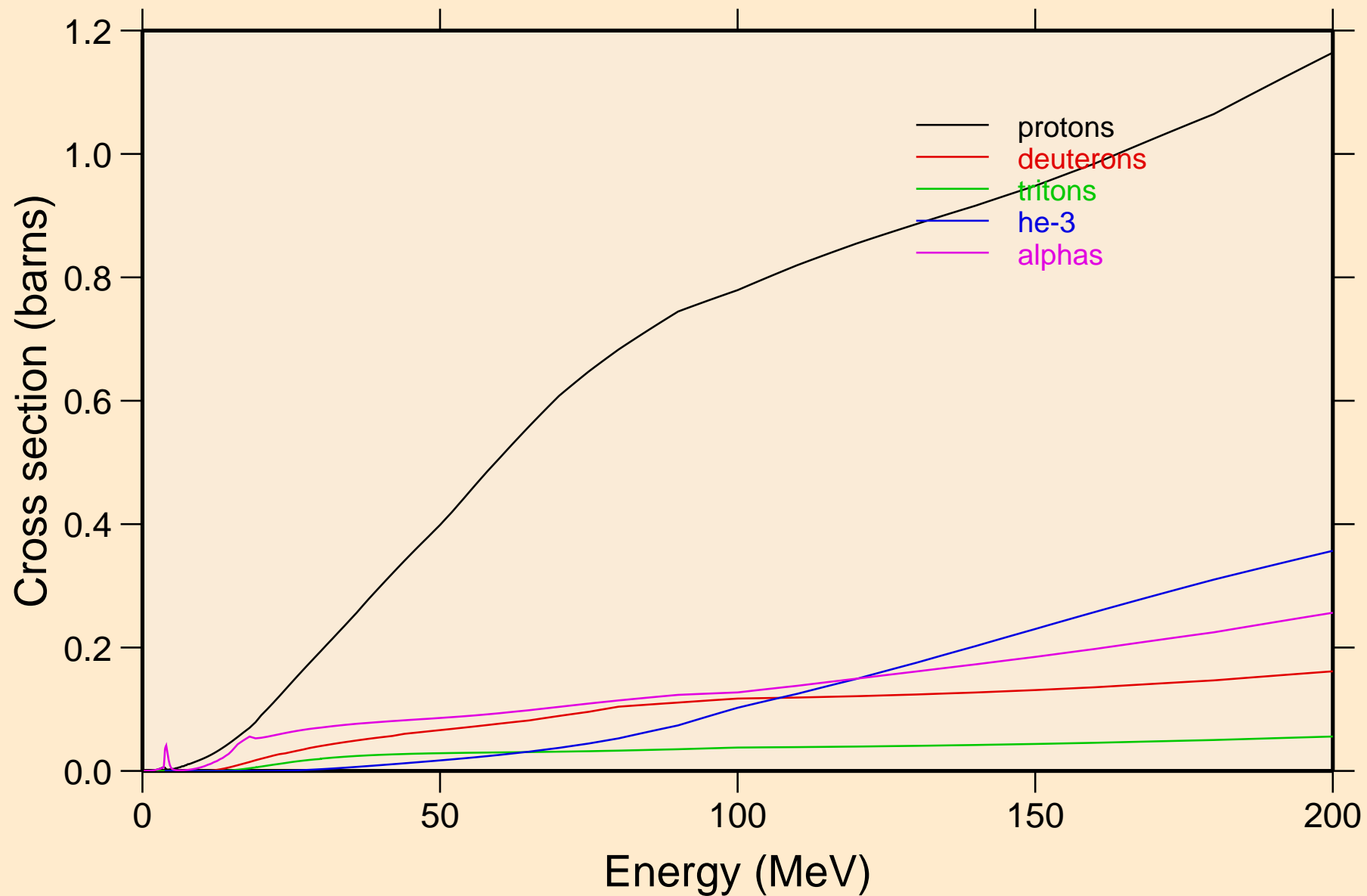
## Recoil Heating



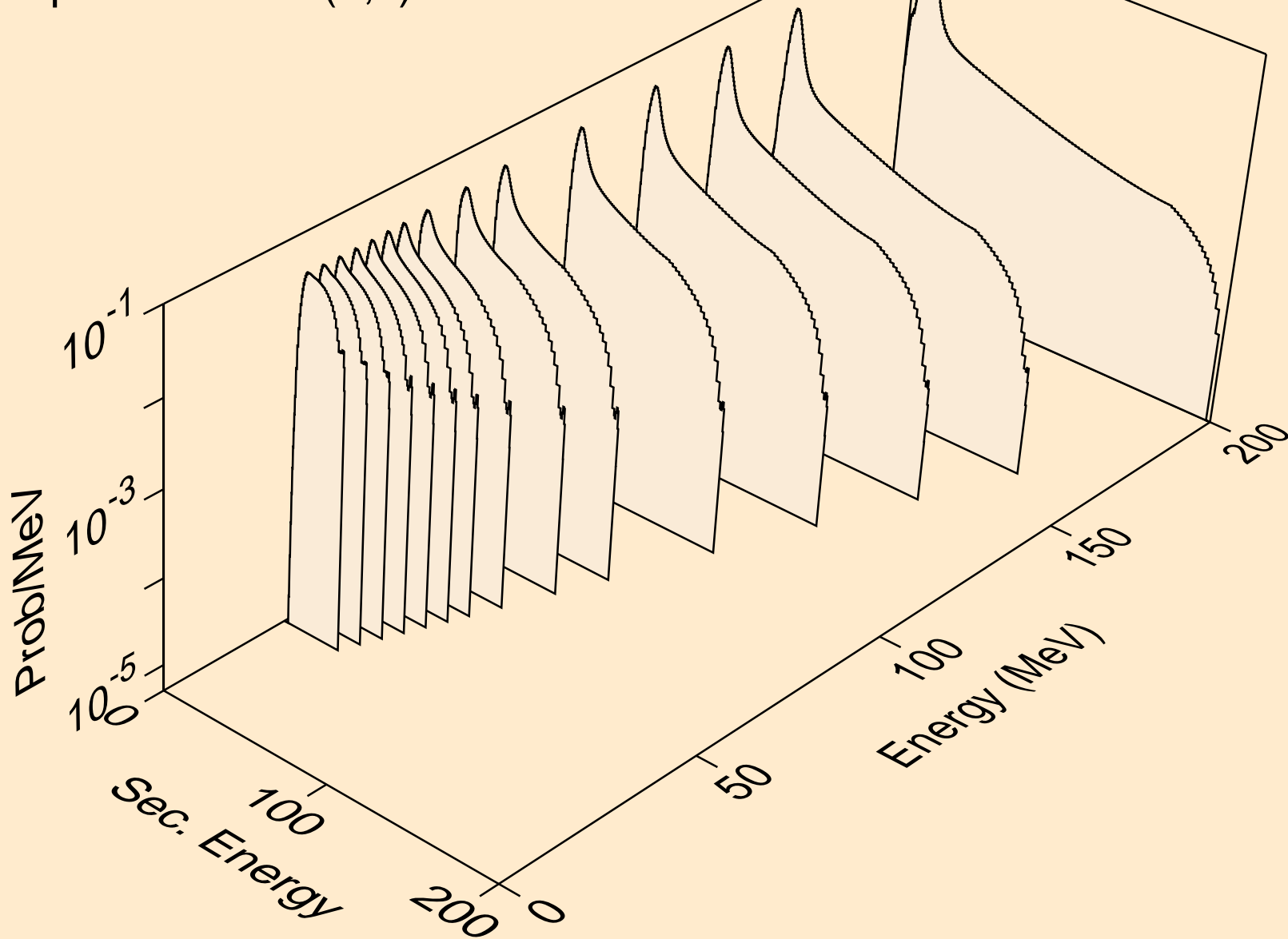


# EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

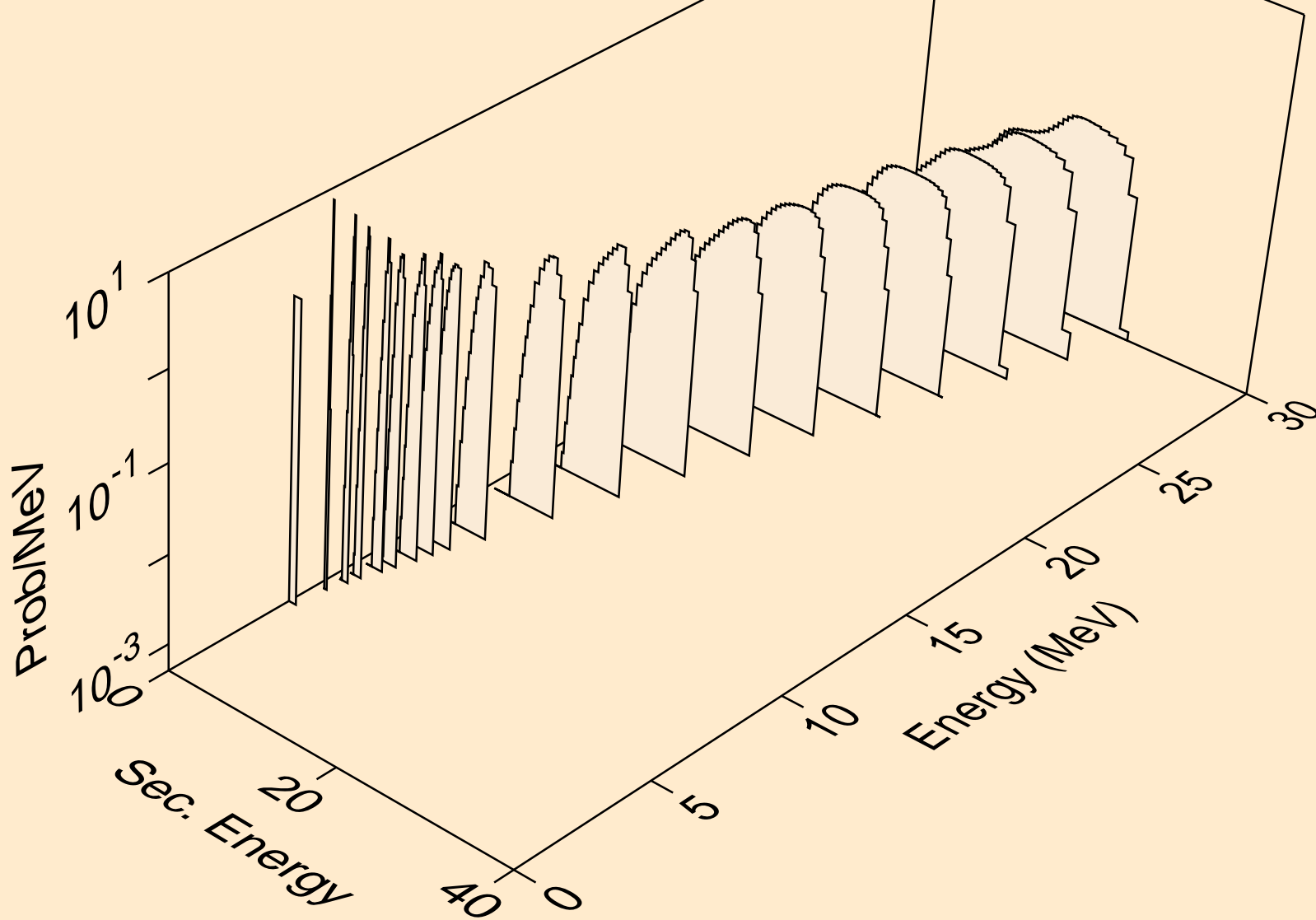
## Particle production cross sections



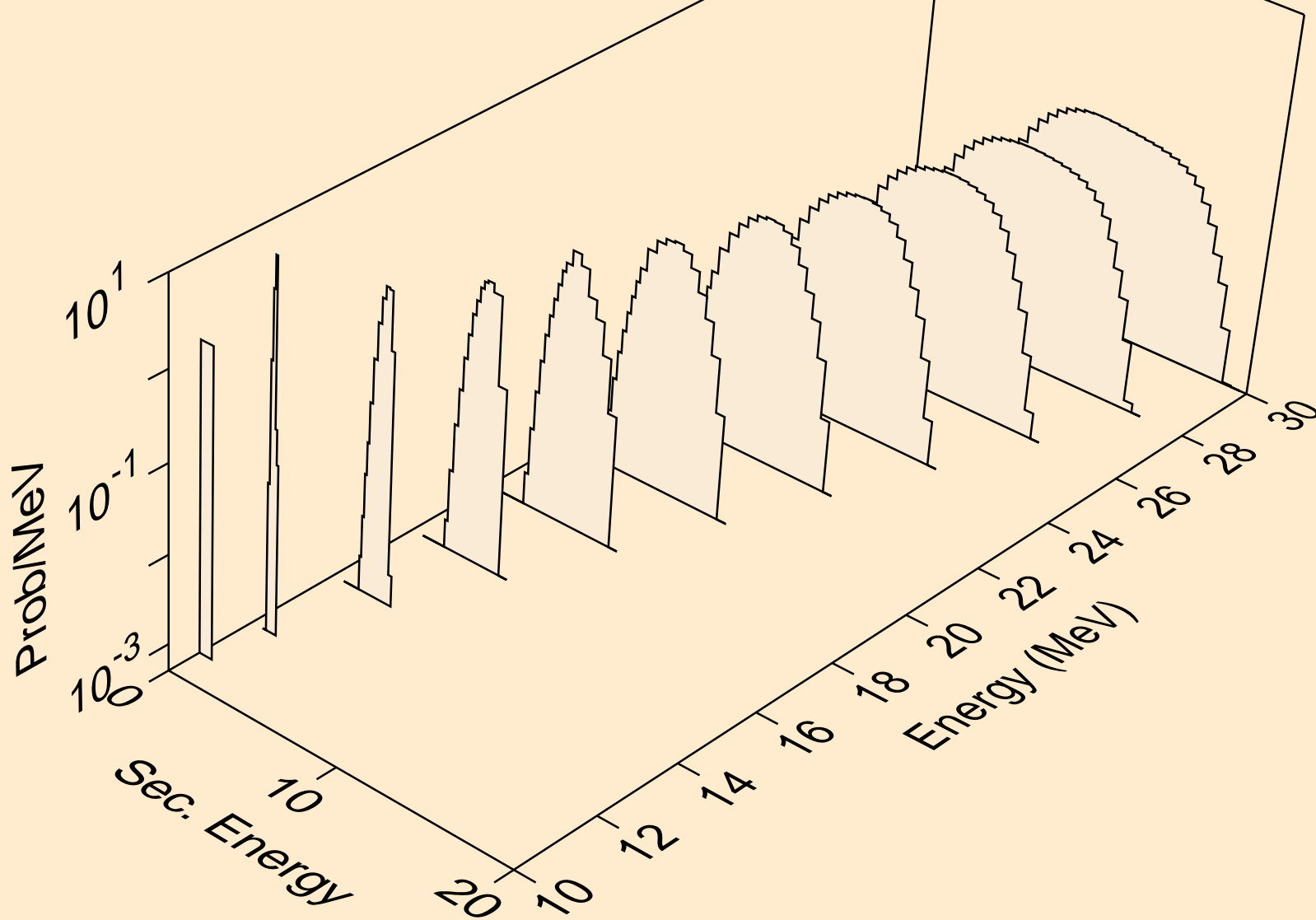
EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,x)



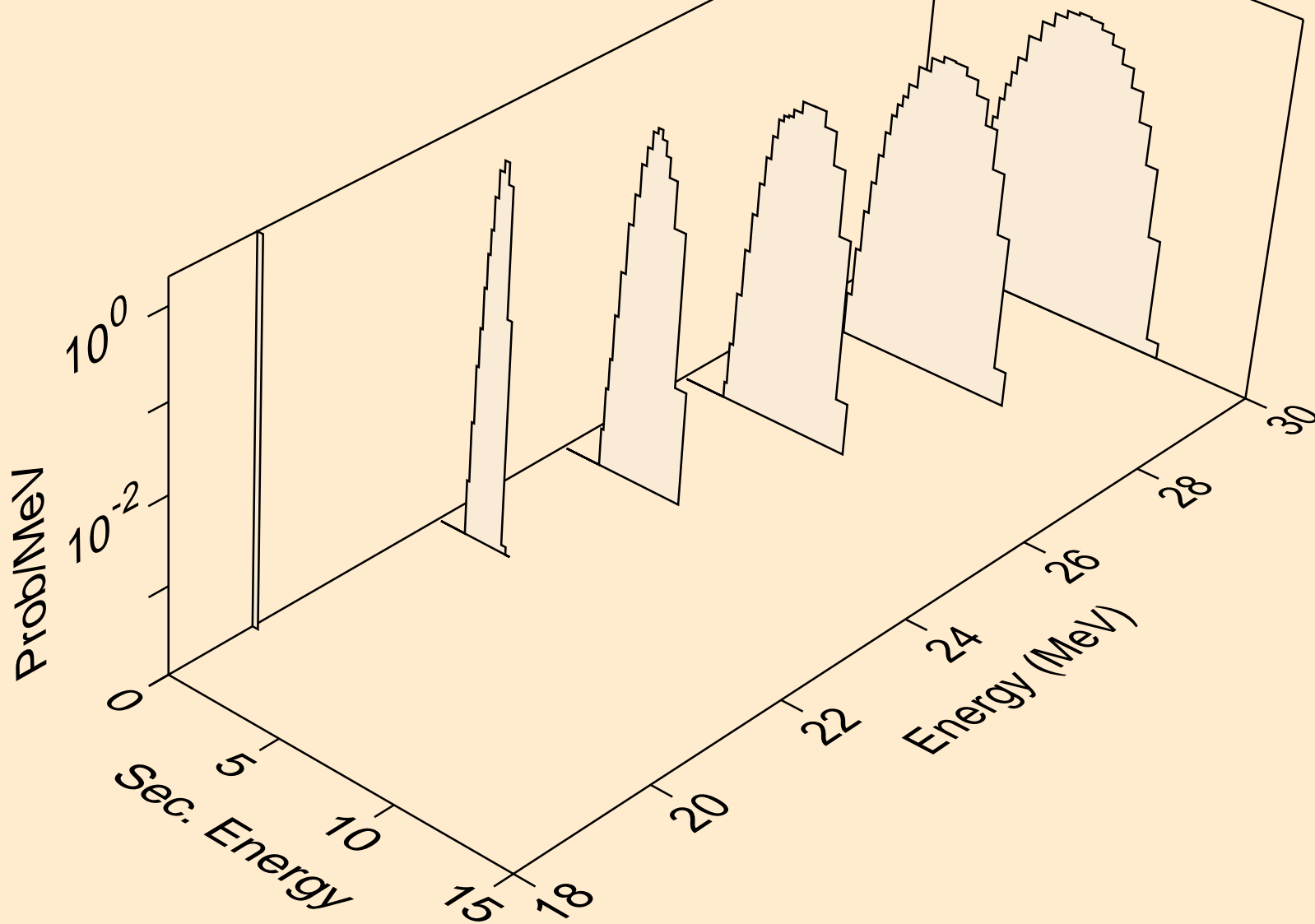
EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n\*)p



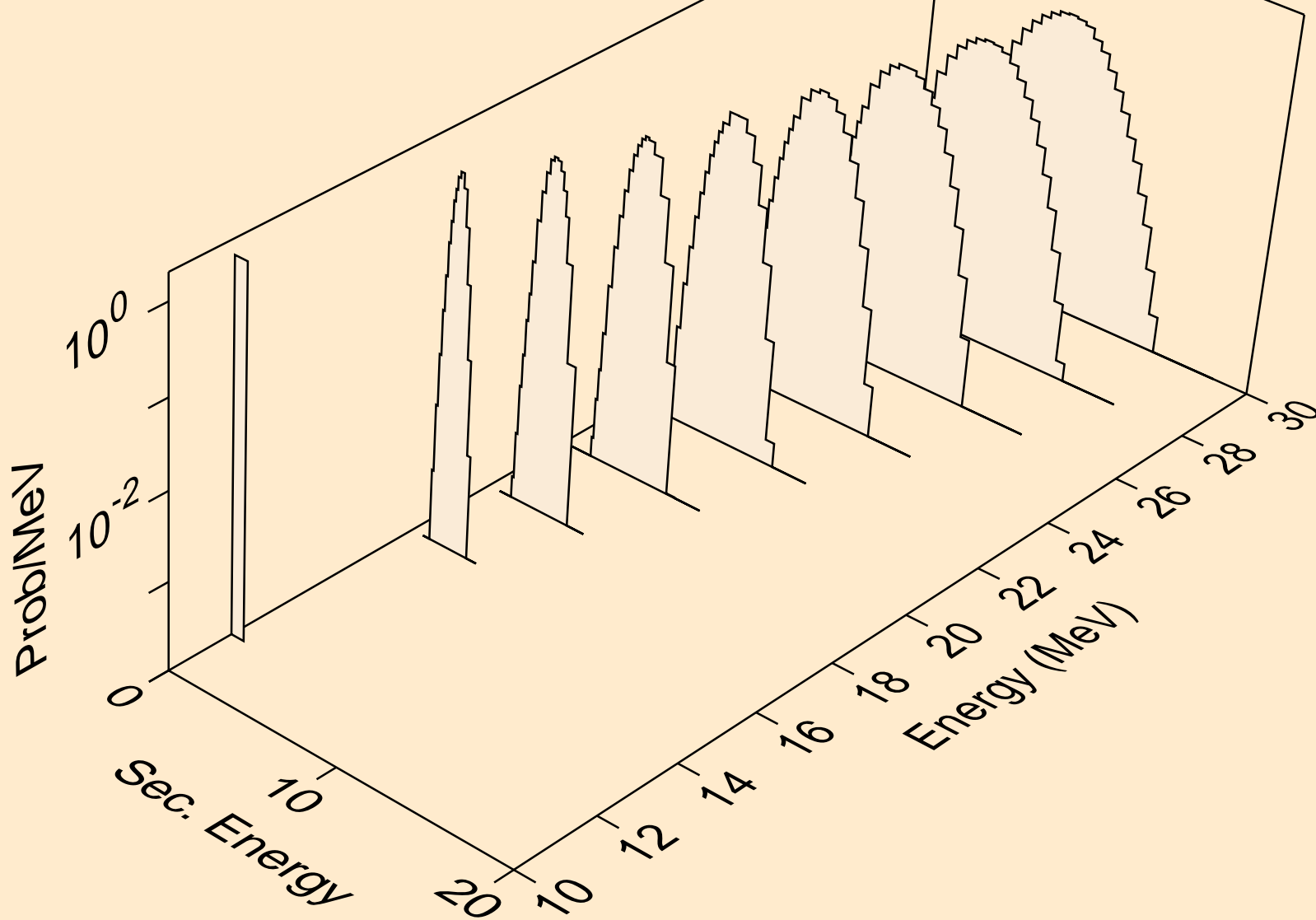
EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,2np)



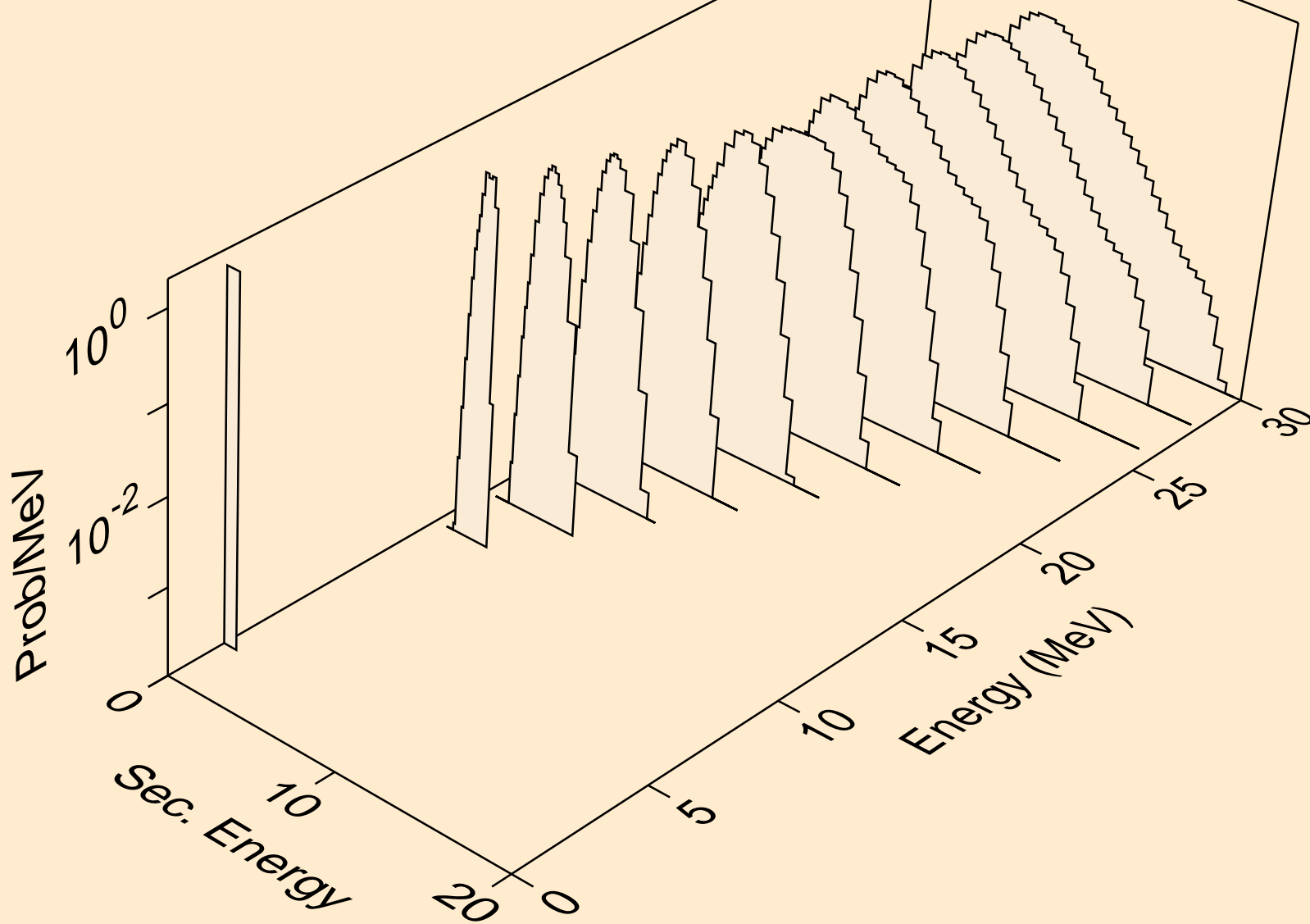
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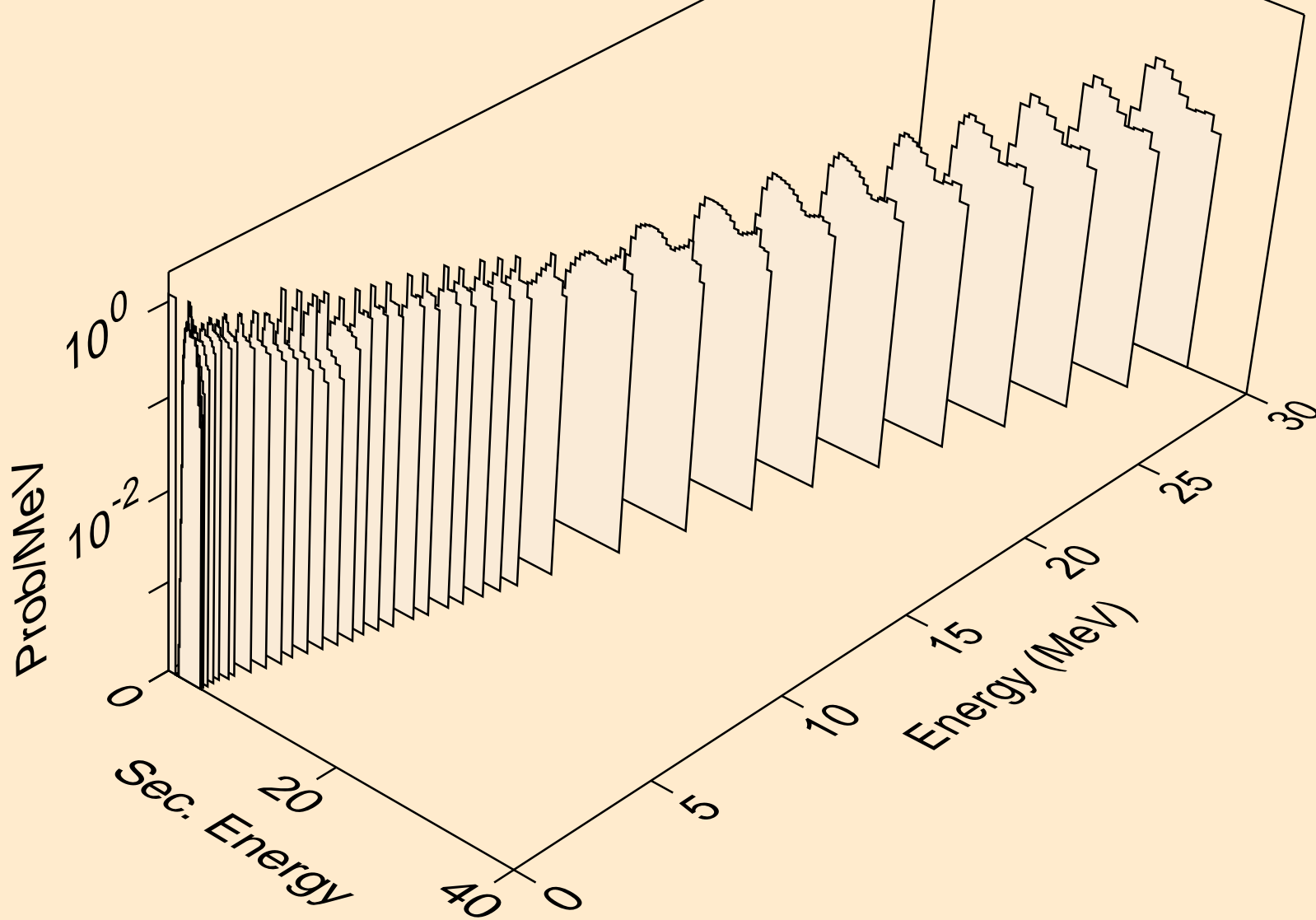
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protons from (n,n2p)



EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
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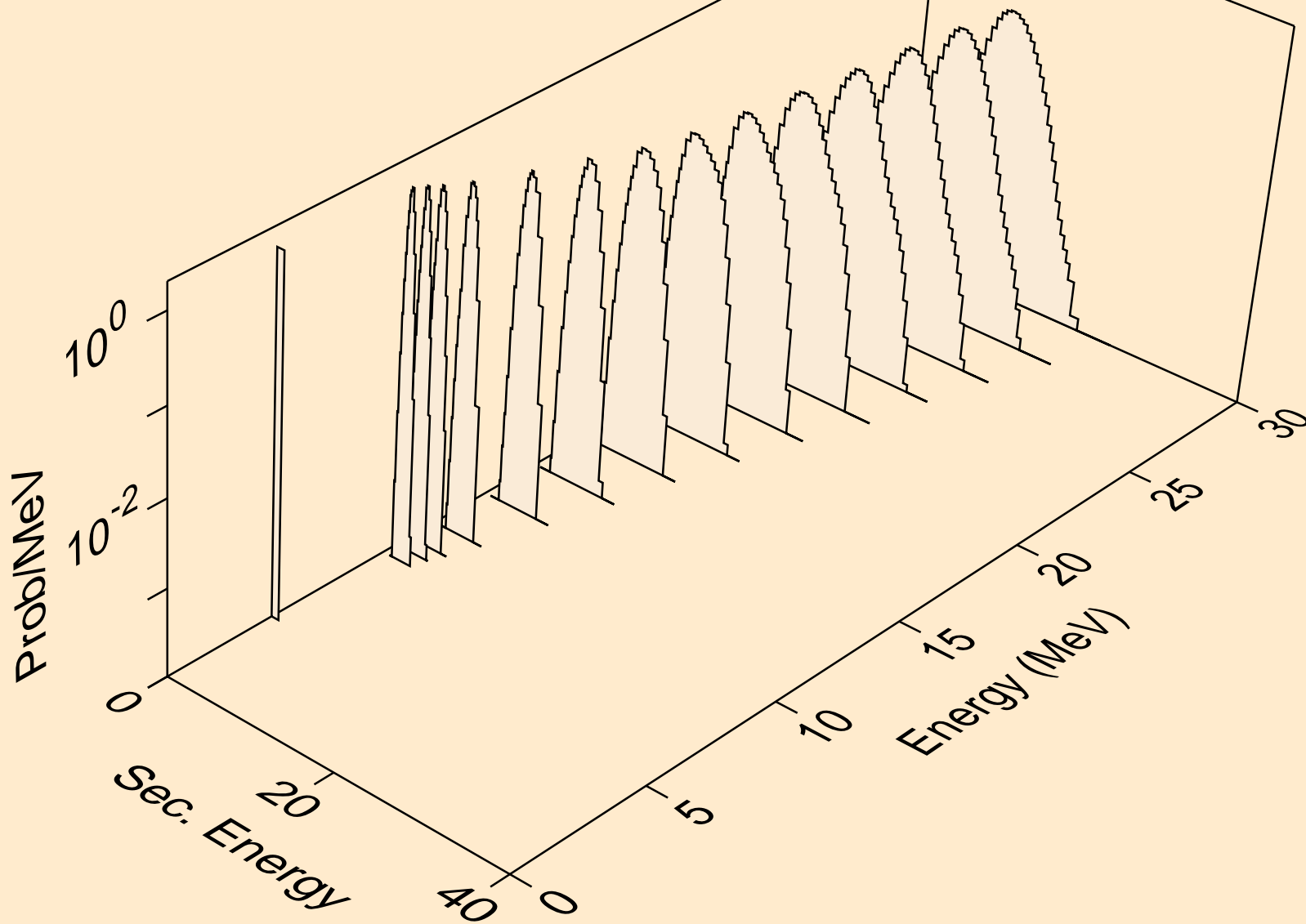


EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
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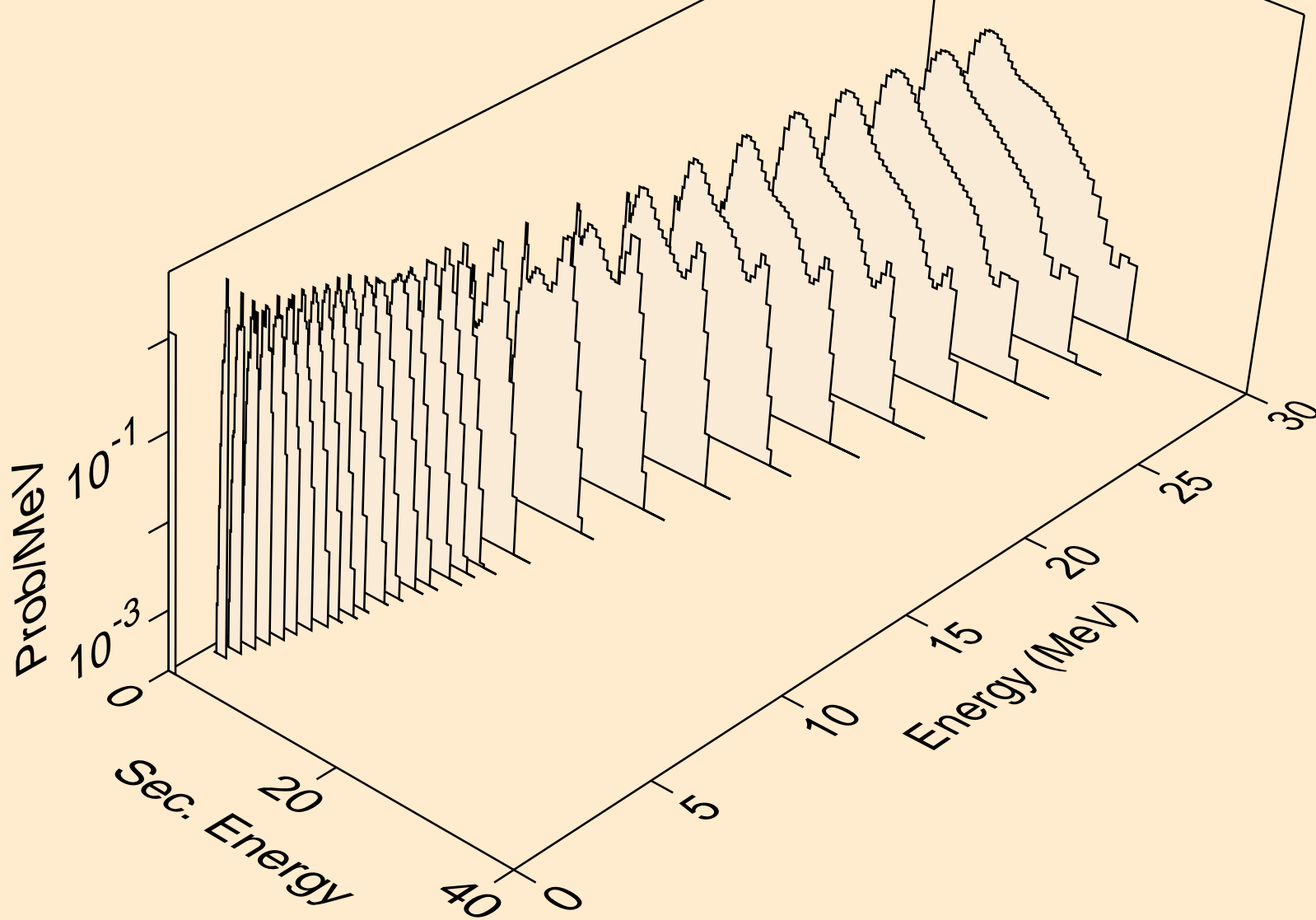




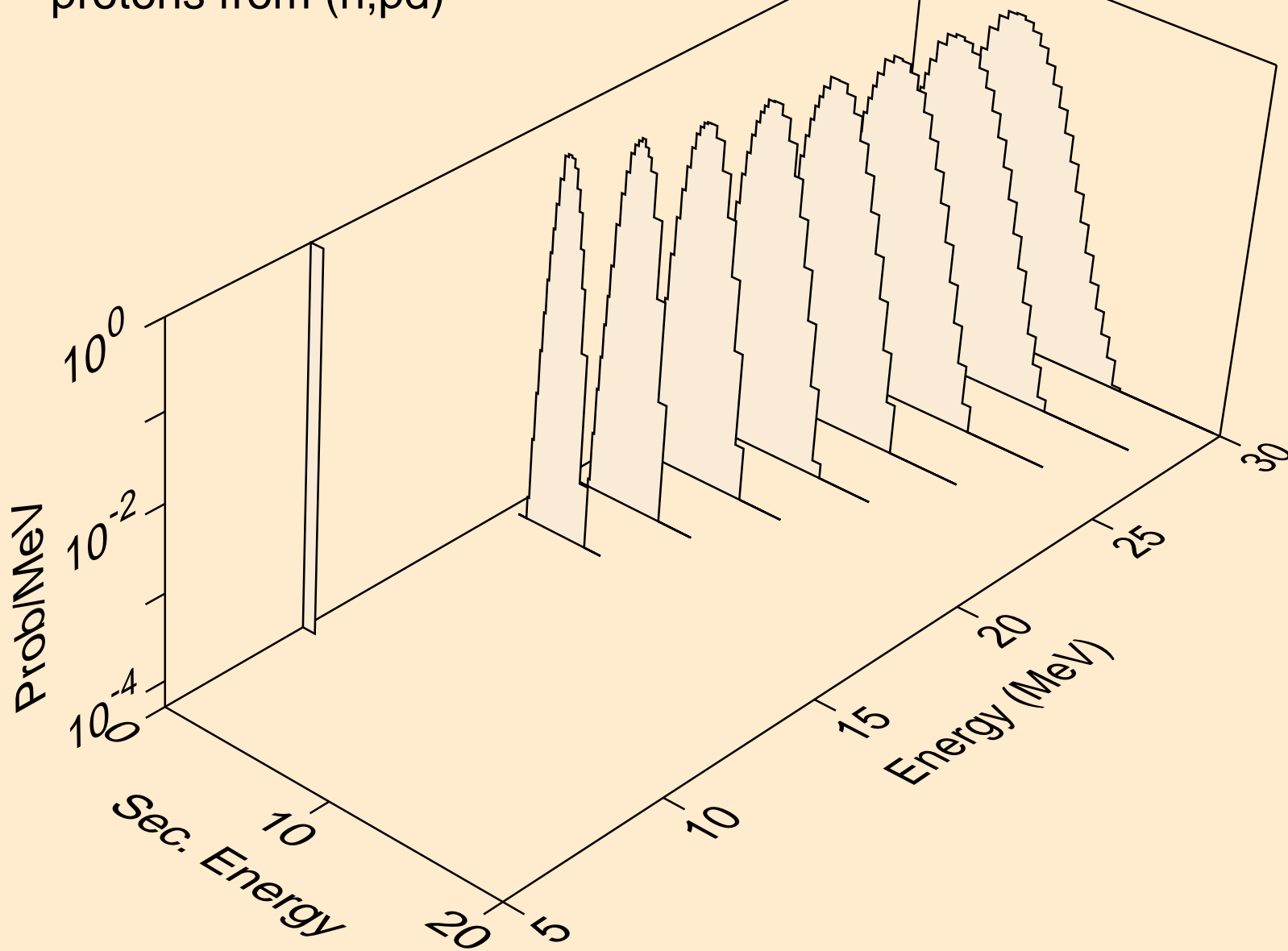
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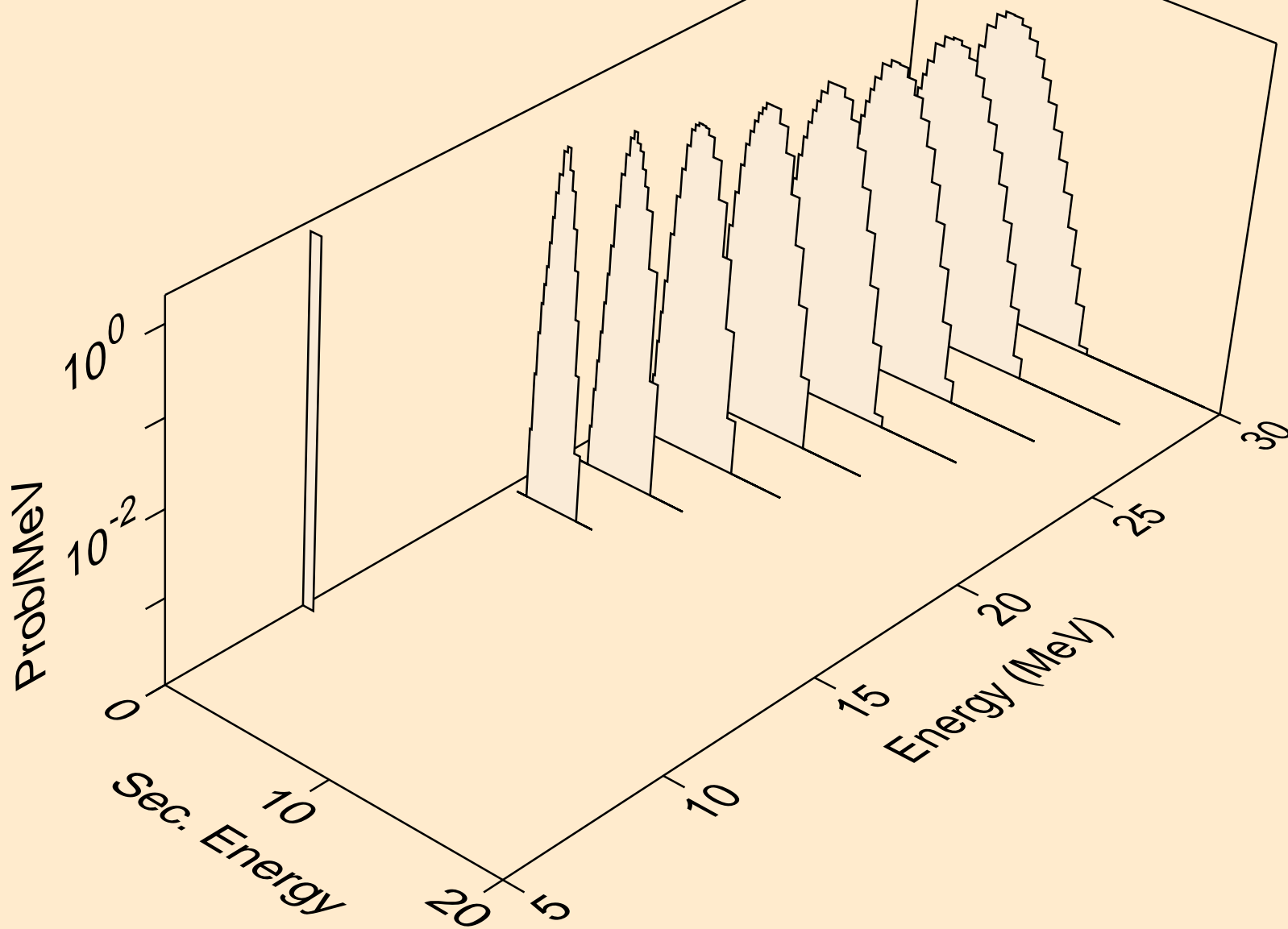
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protons from (n,p)



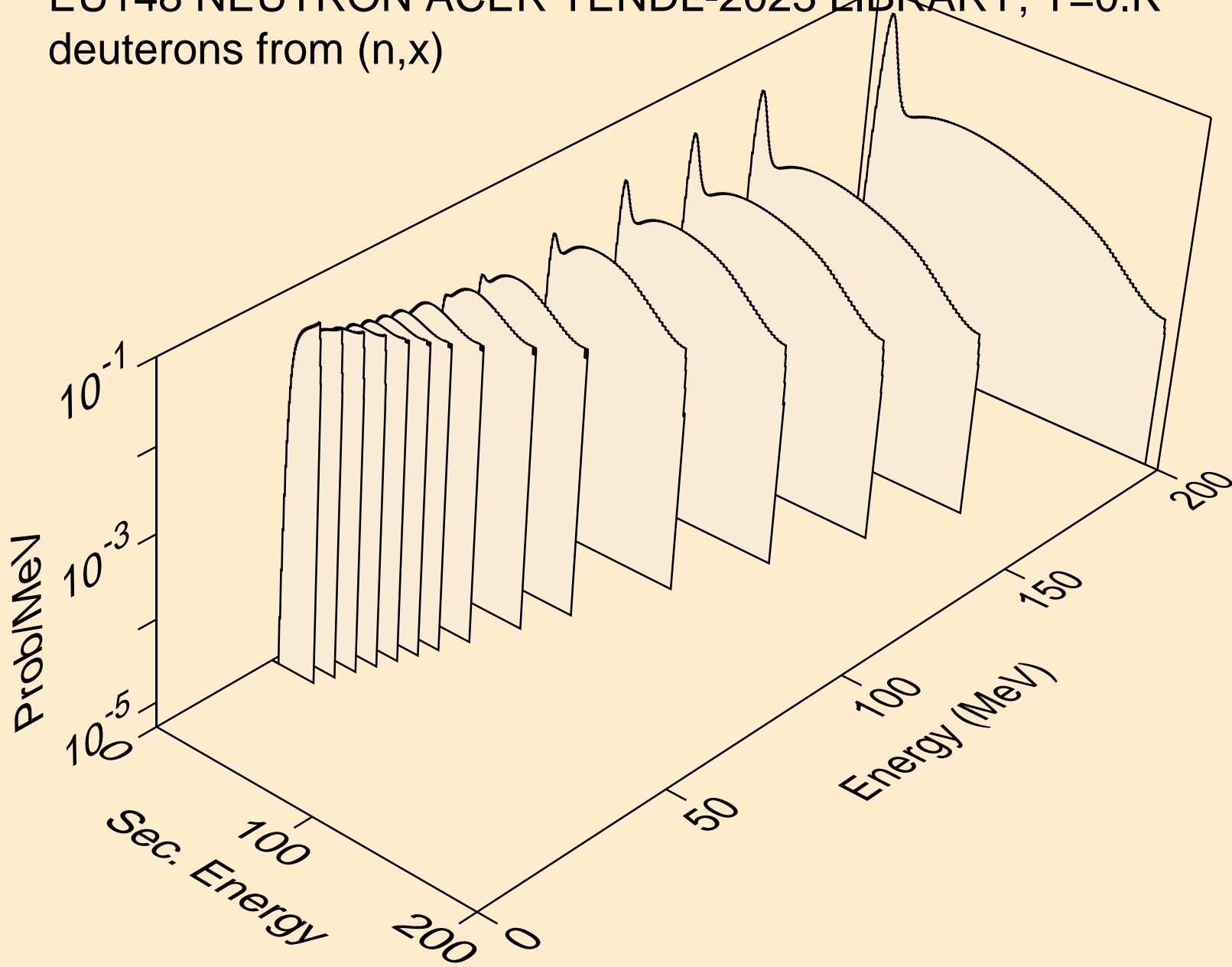
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protons from (n,pd)



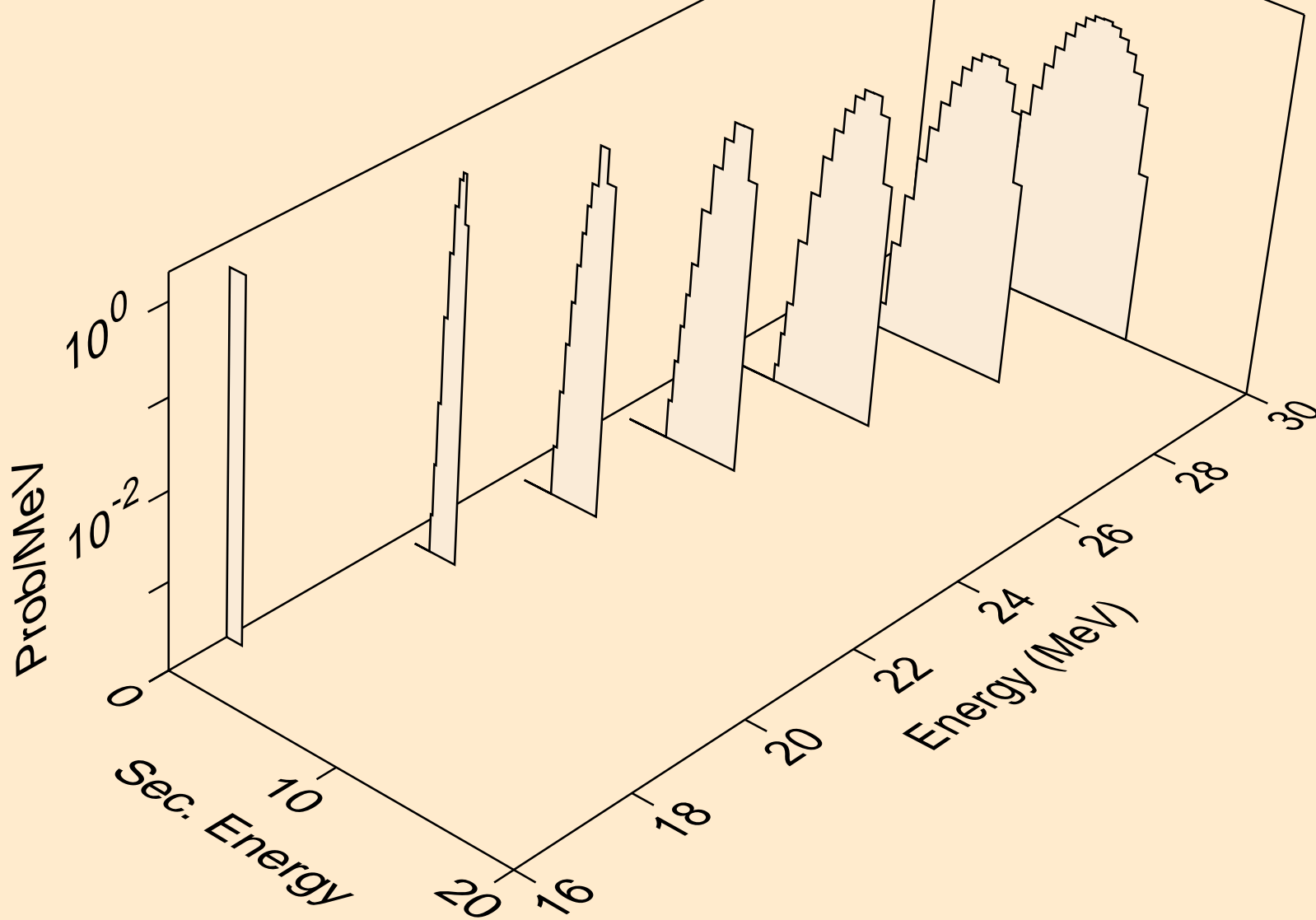
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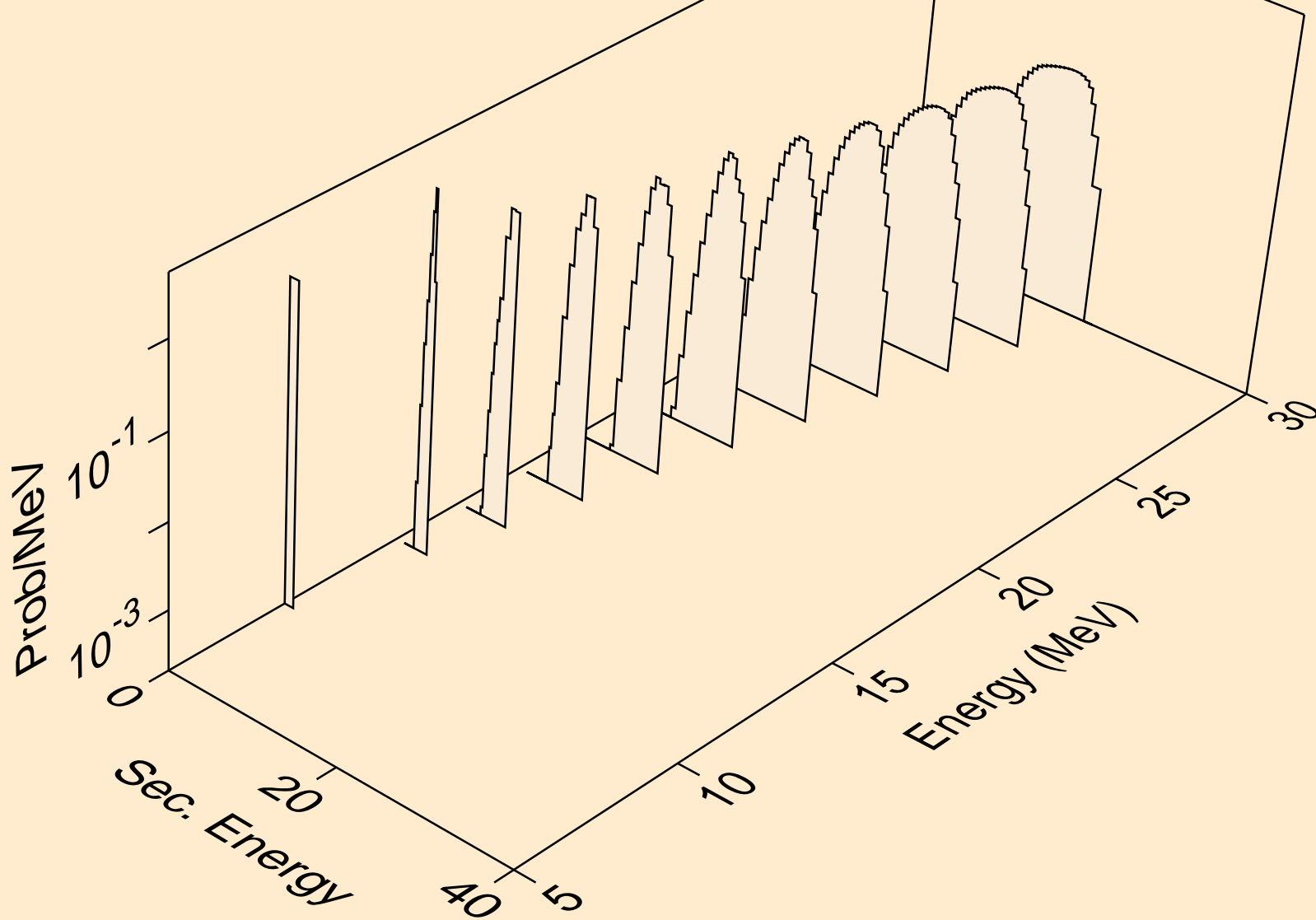
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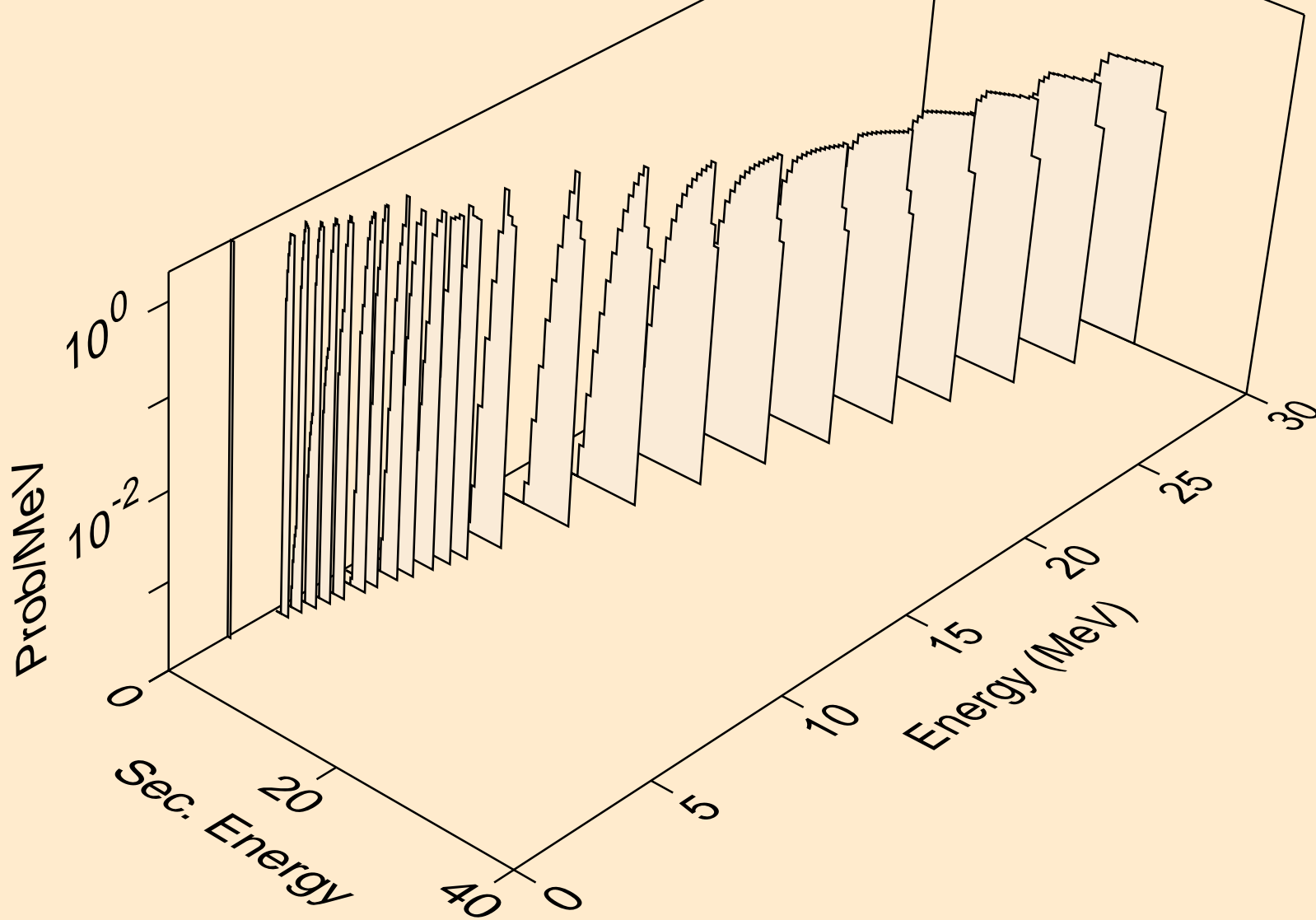
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deuterons from (n,2nd)



EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,n\*)d

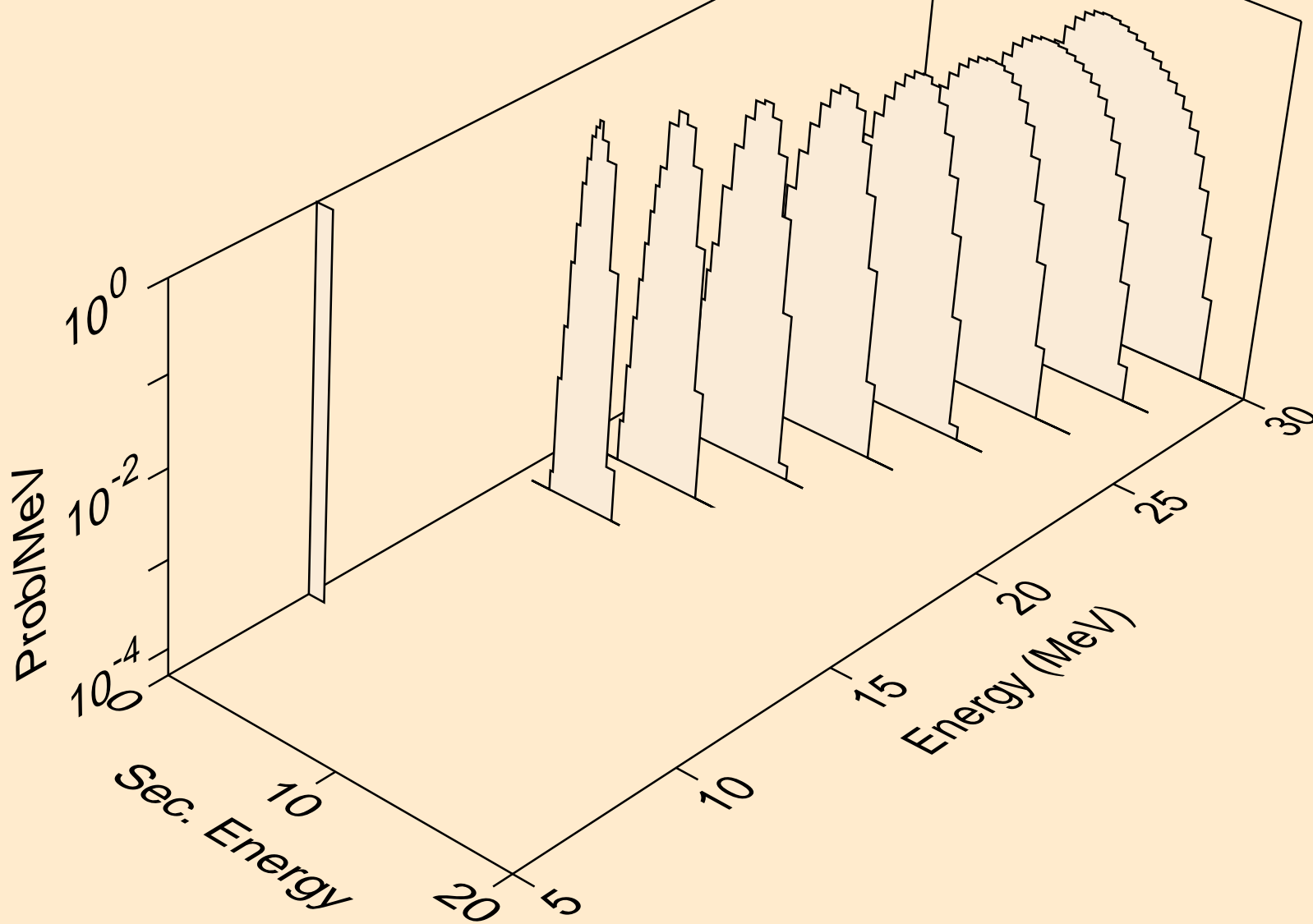


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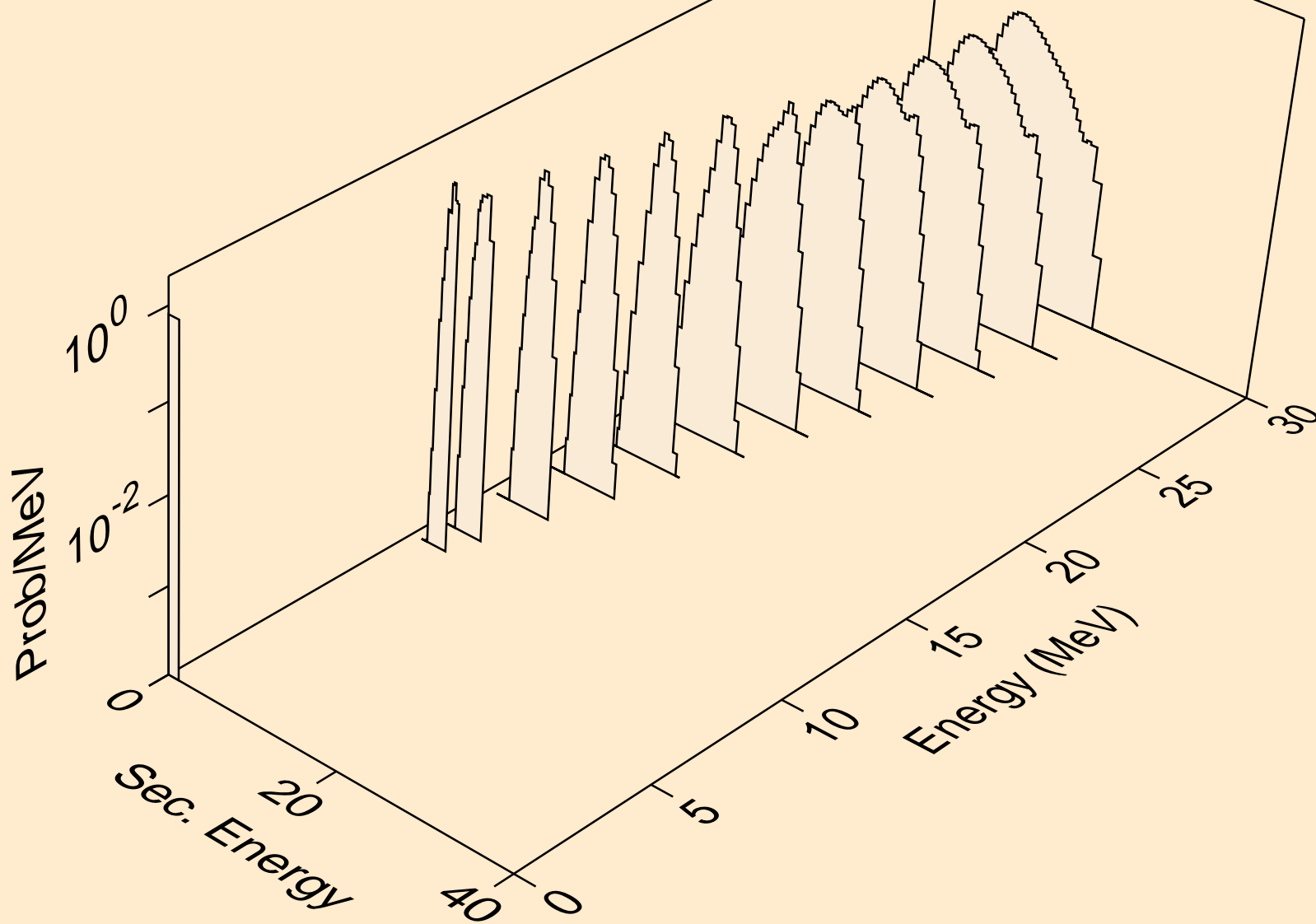




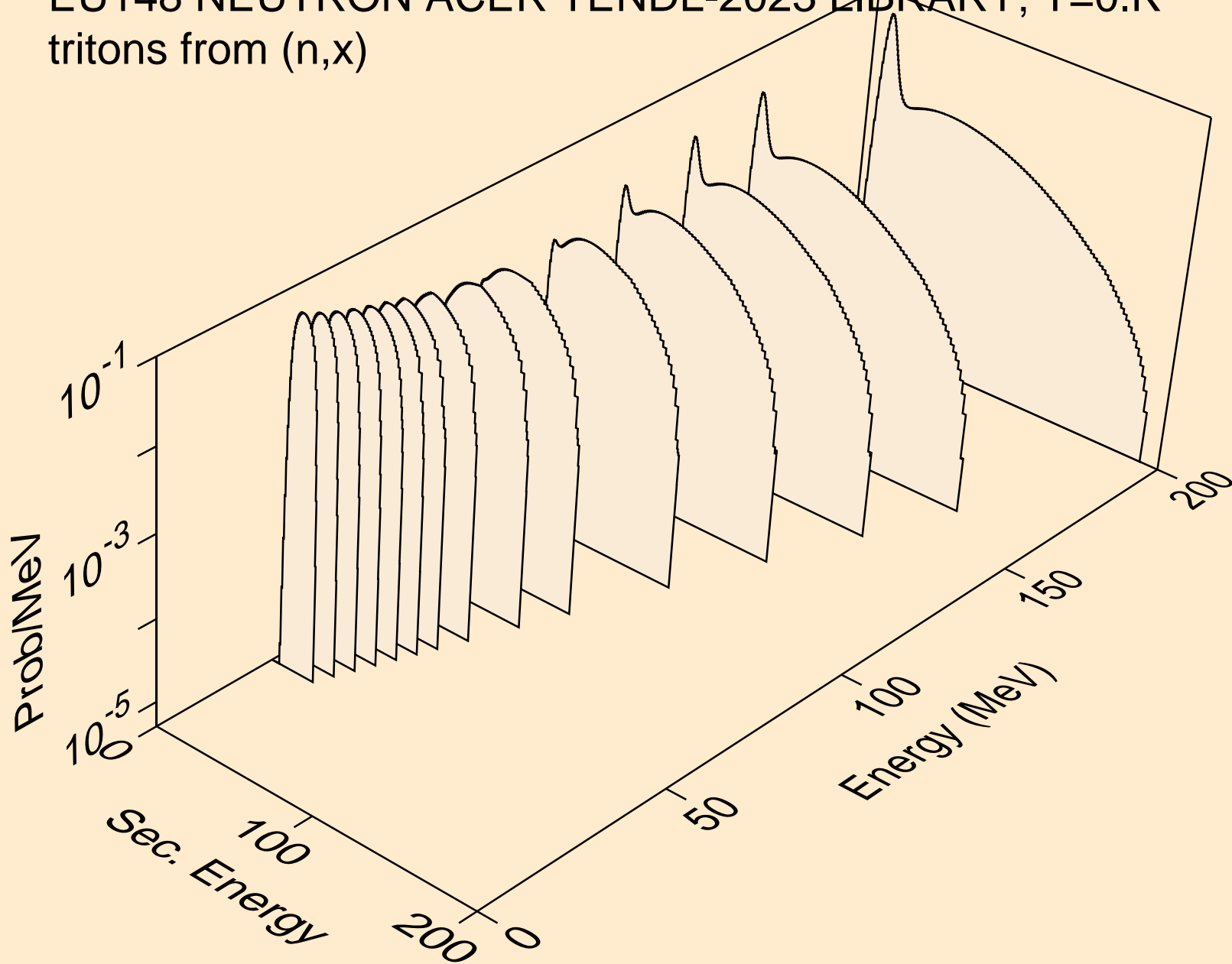
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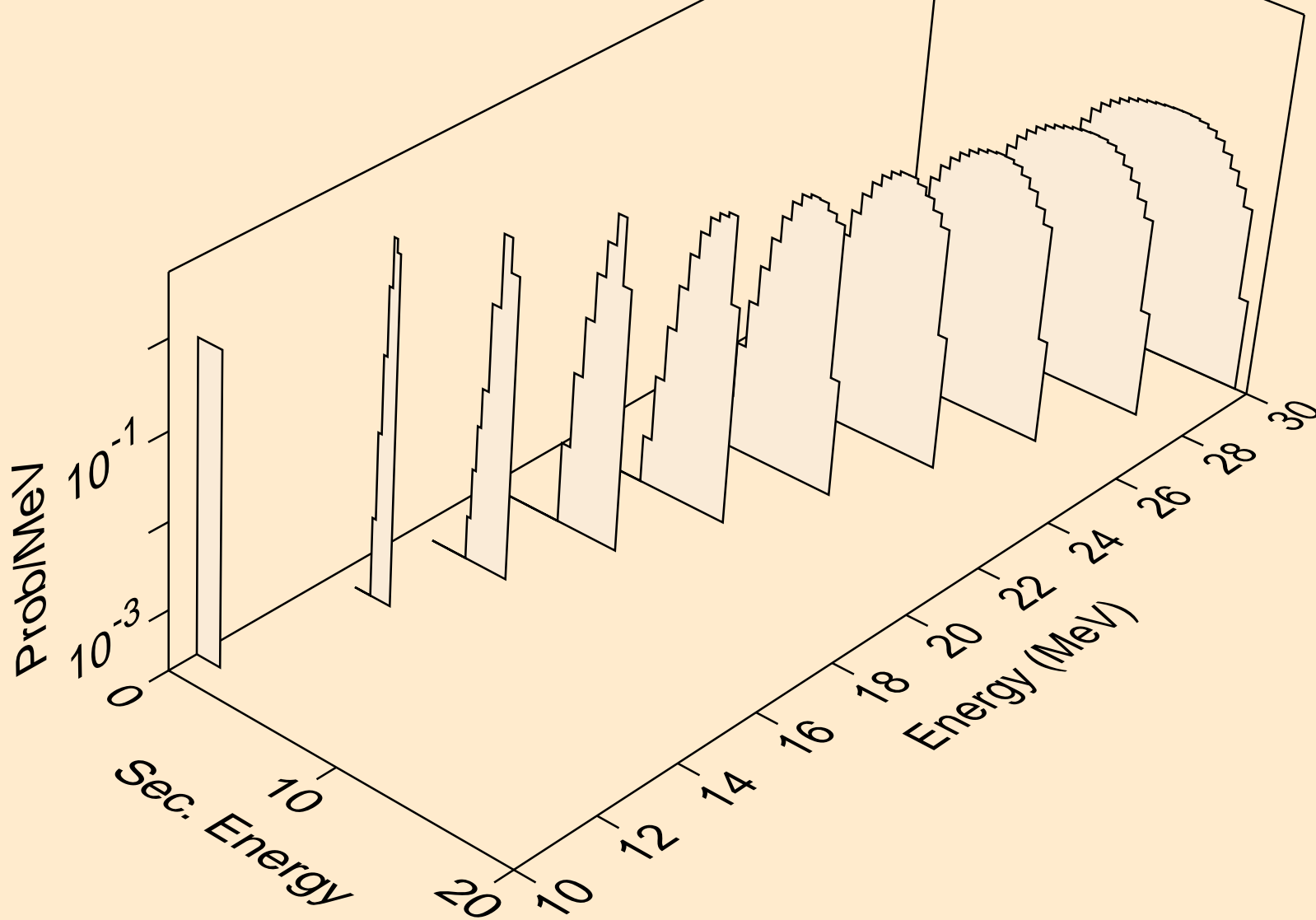
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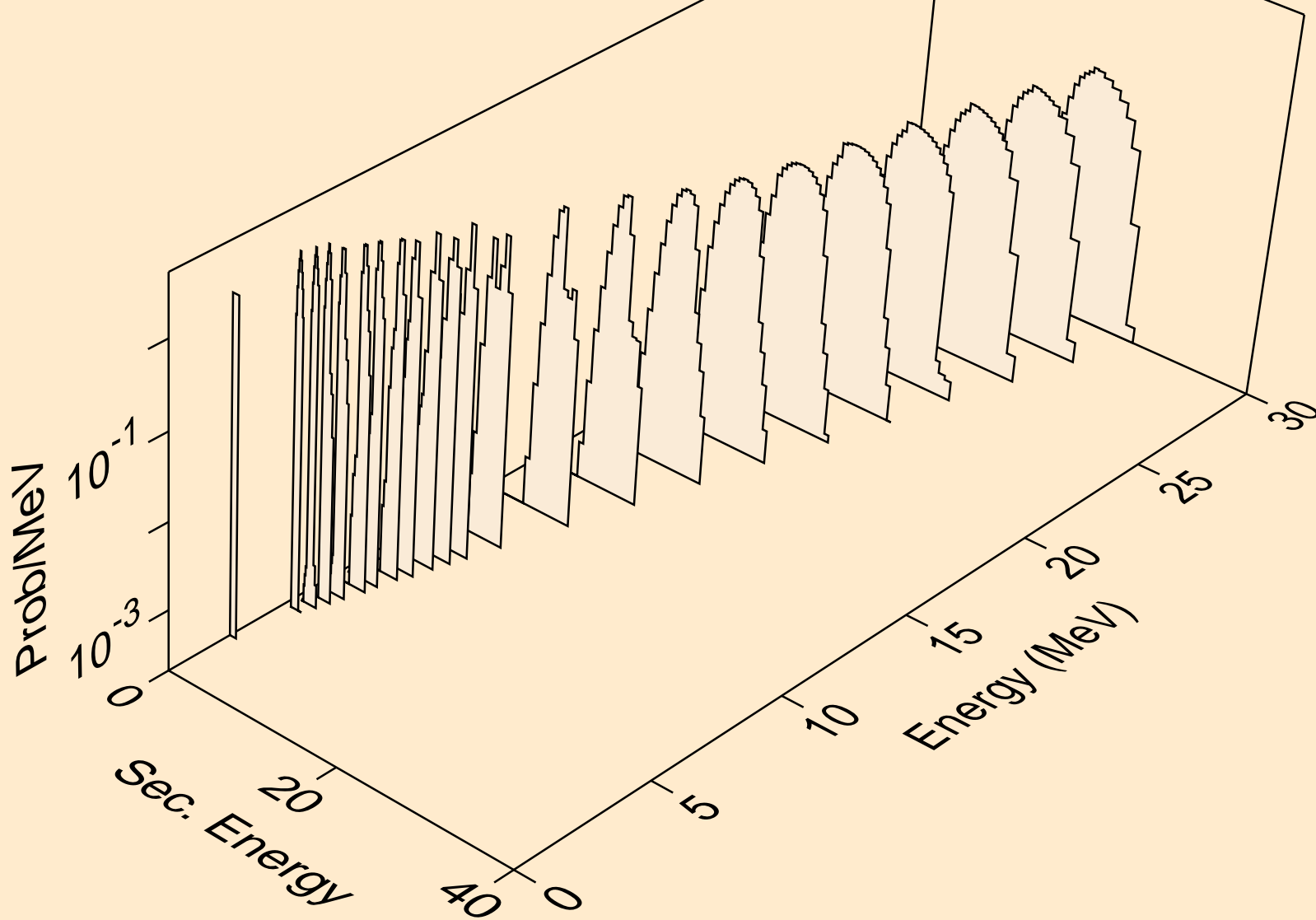
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tritons from (n,x)



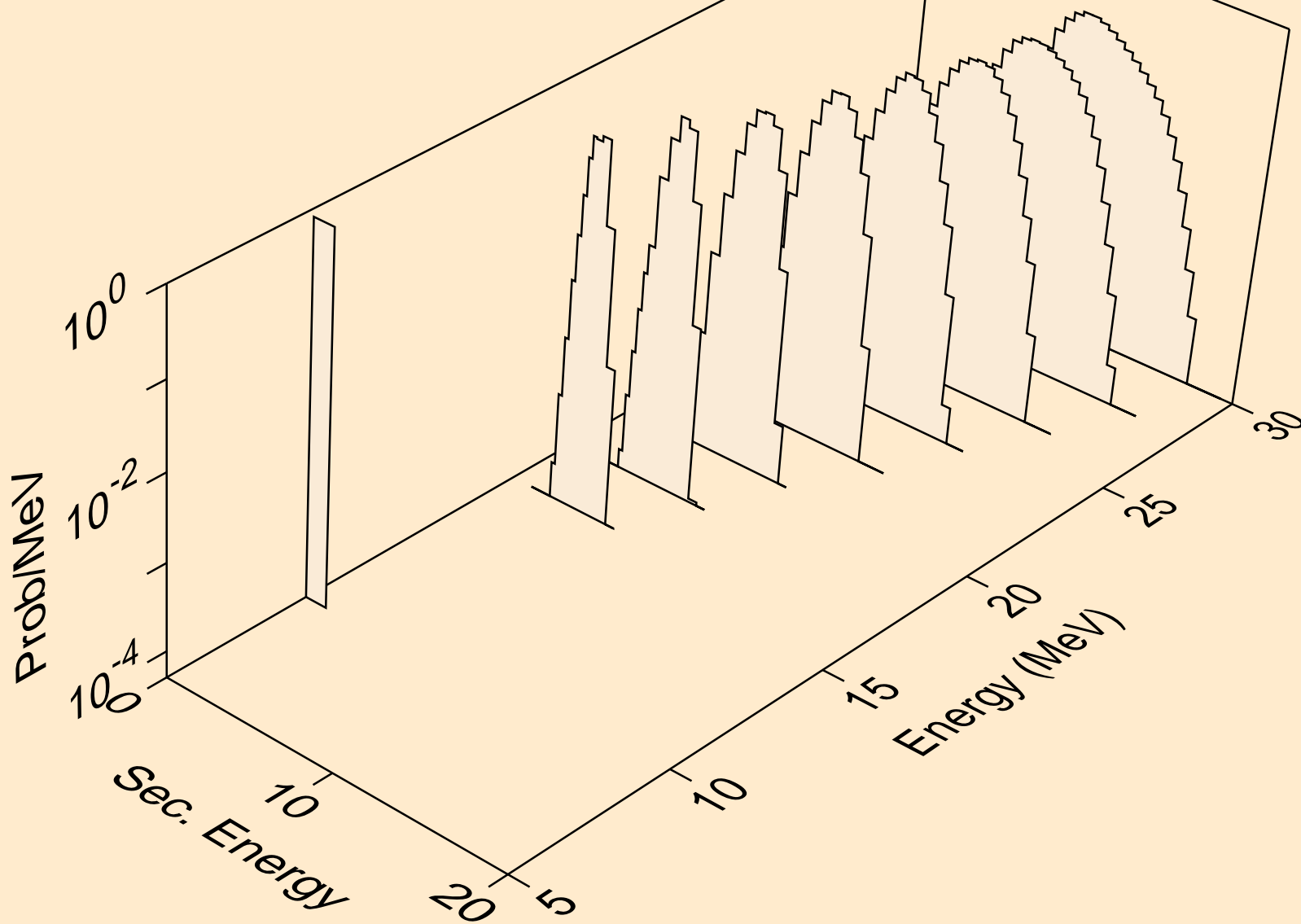
EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,n\*)t



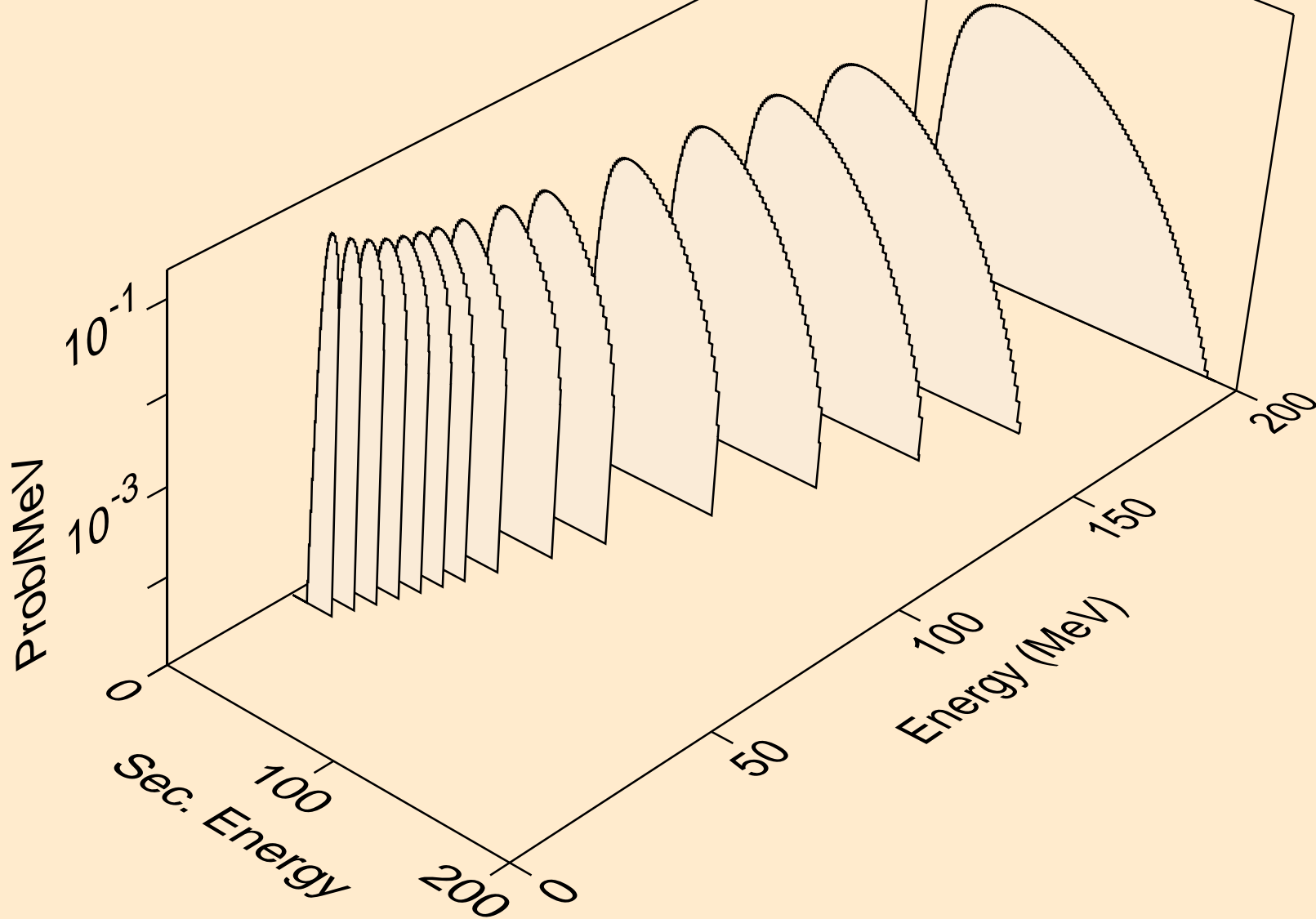
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tritons from (n,t)



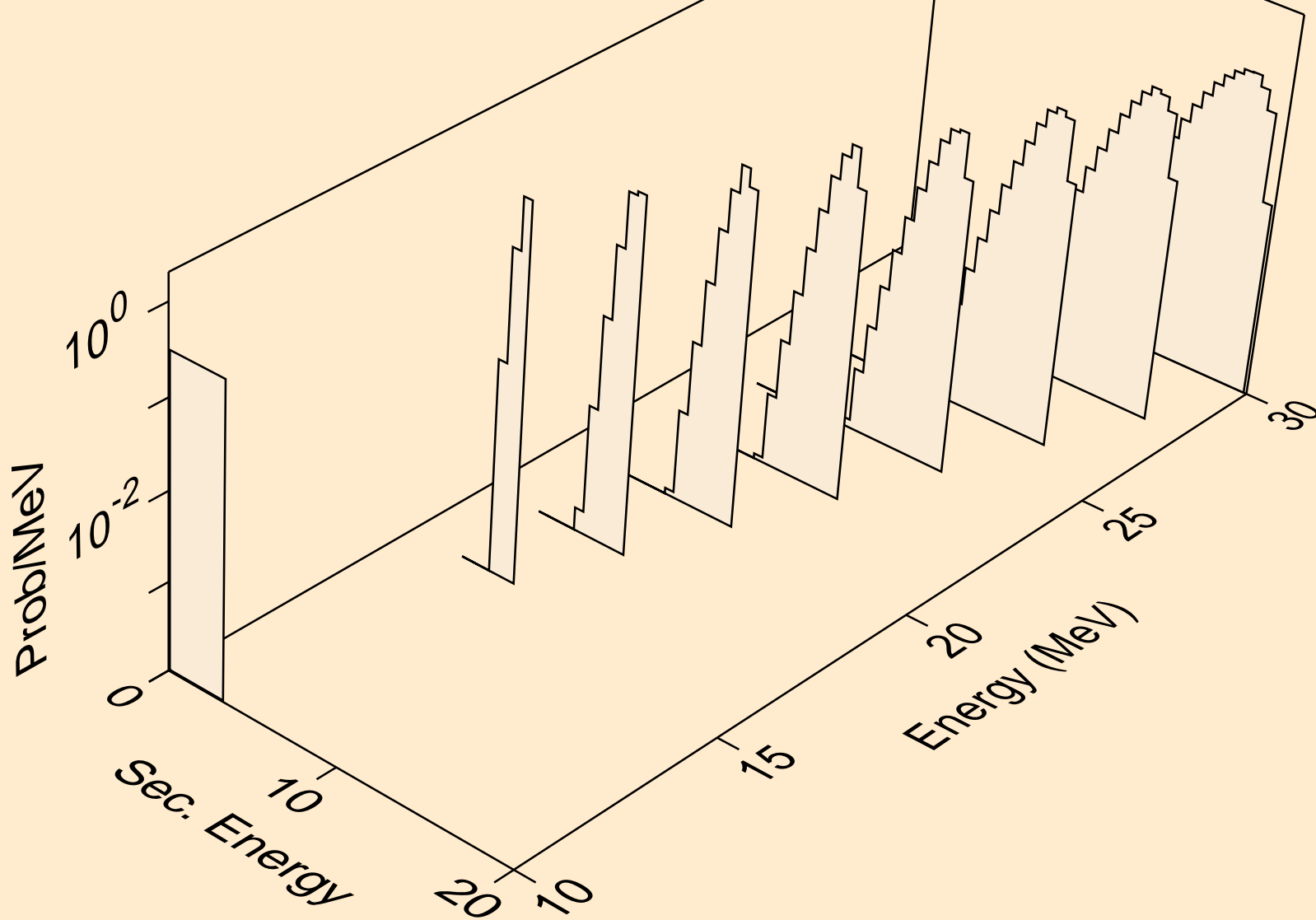
EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,pt)



EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,x)

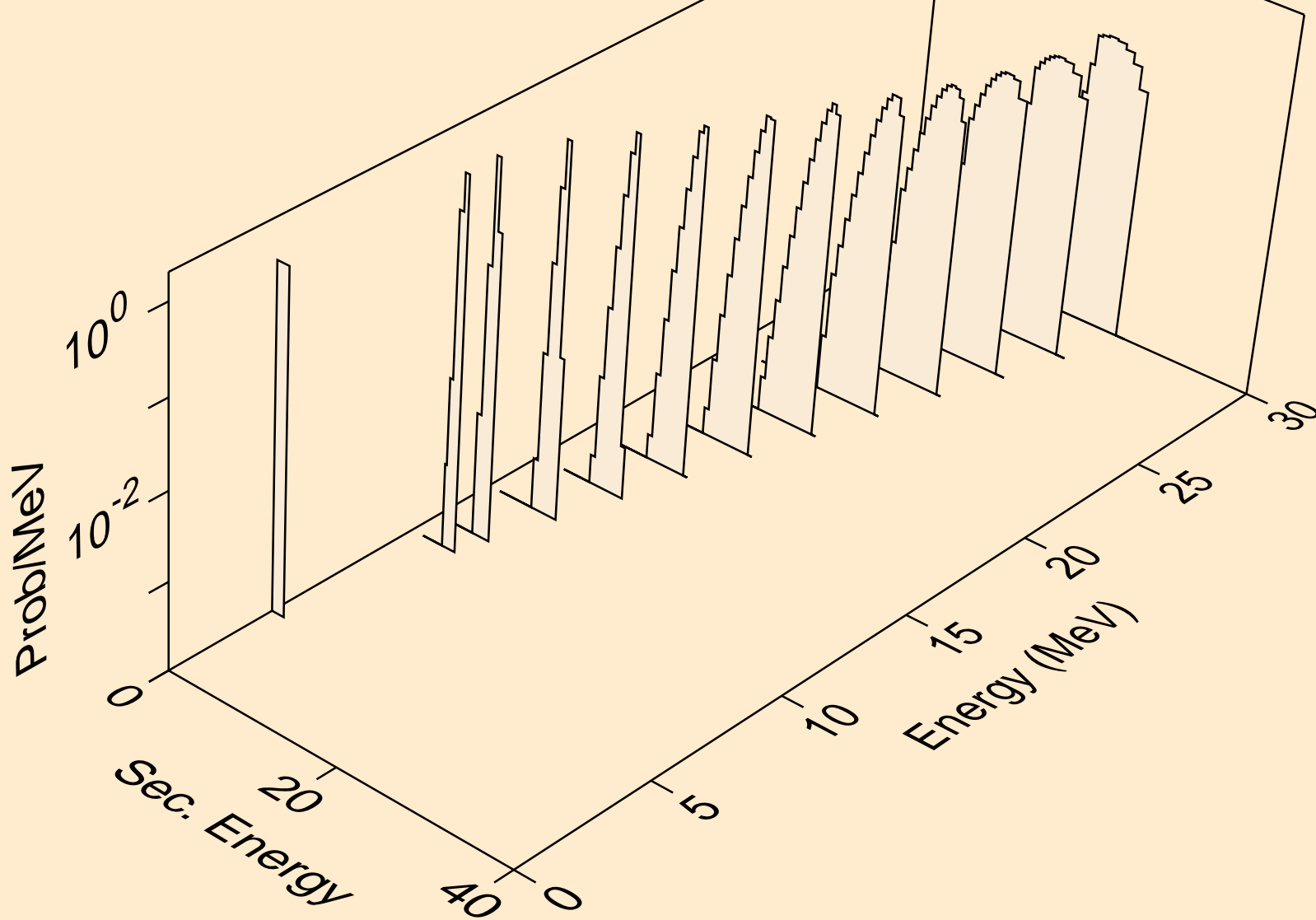


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he3s from (n,n\*)he3

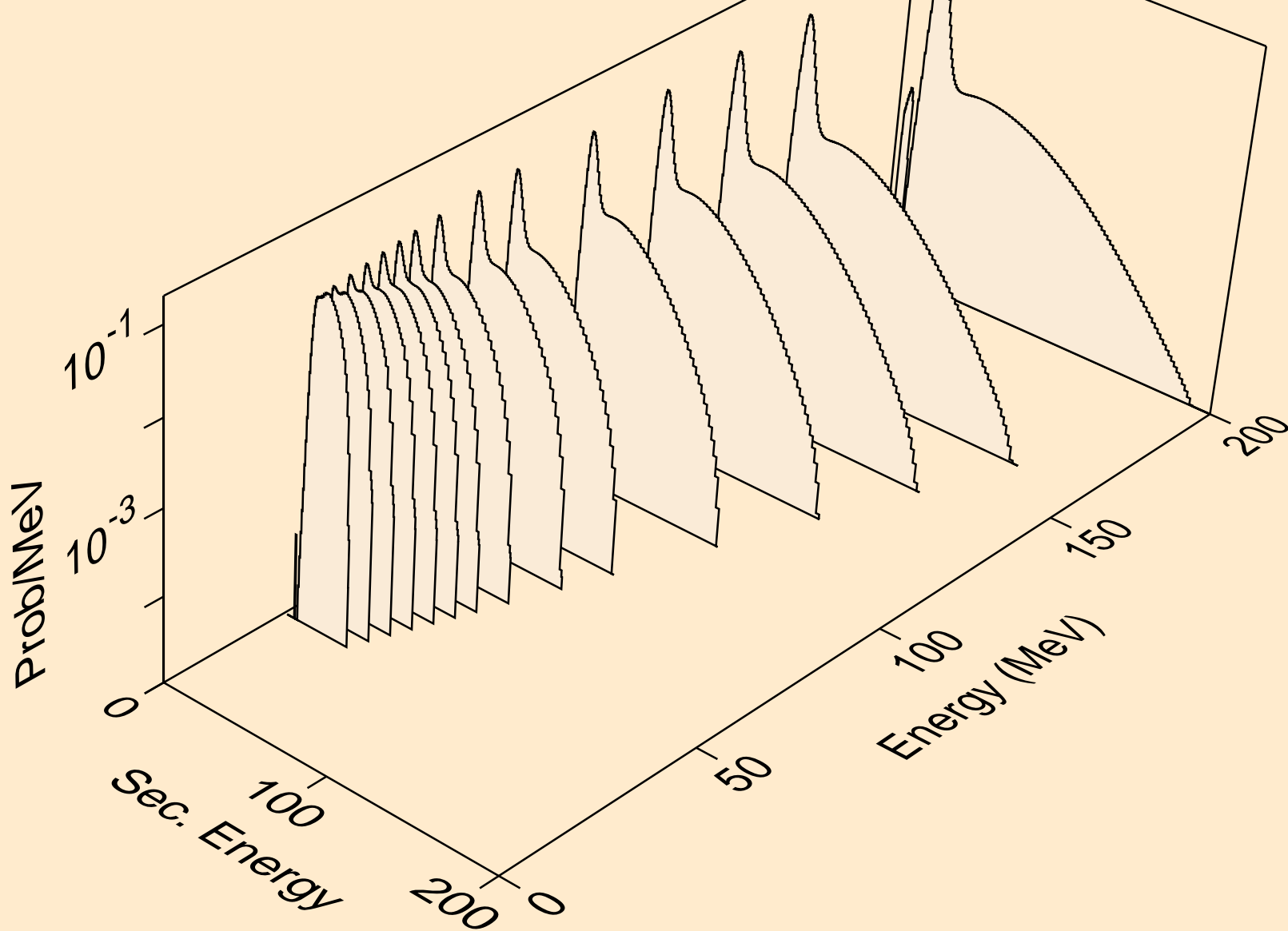




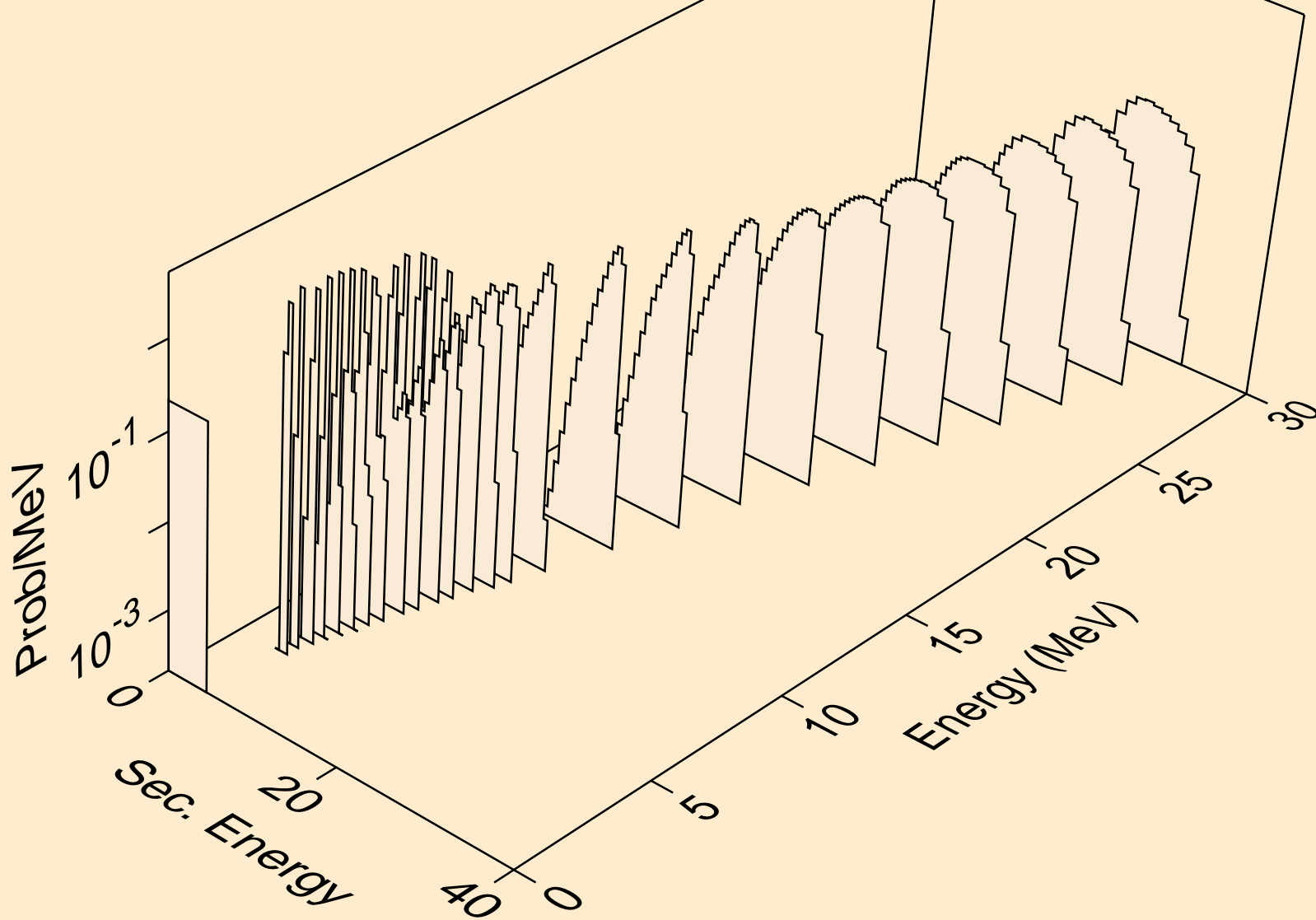
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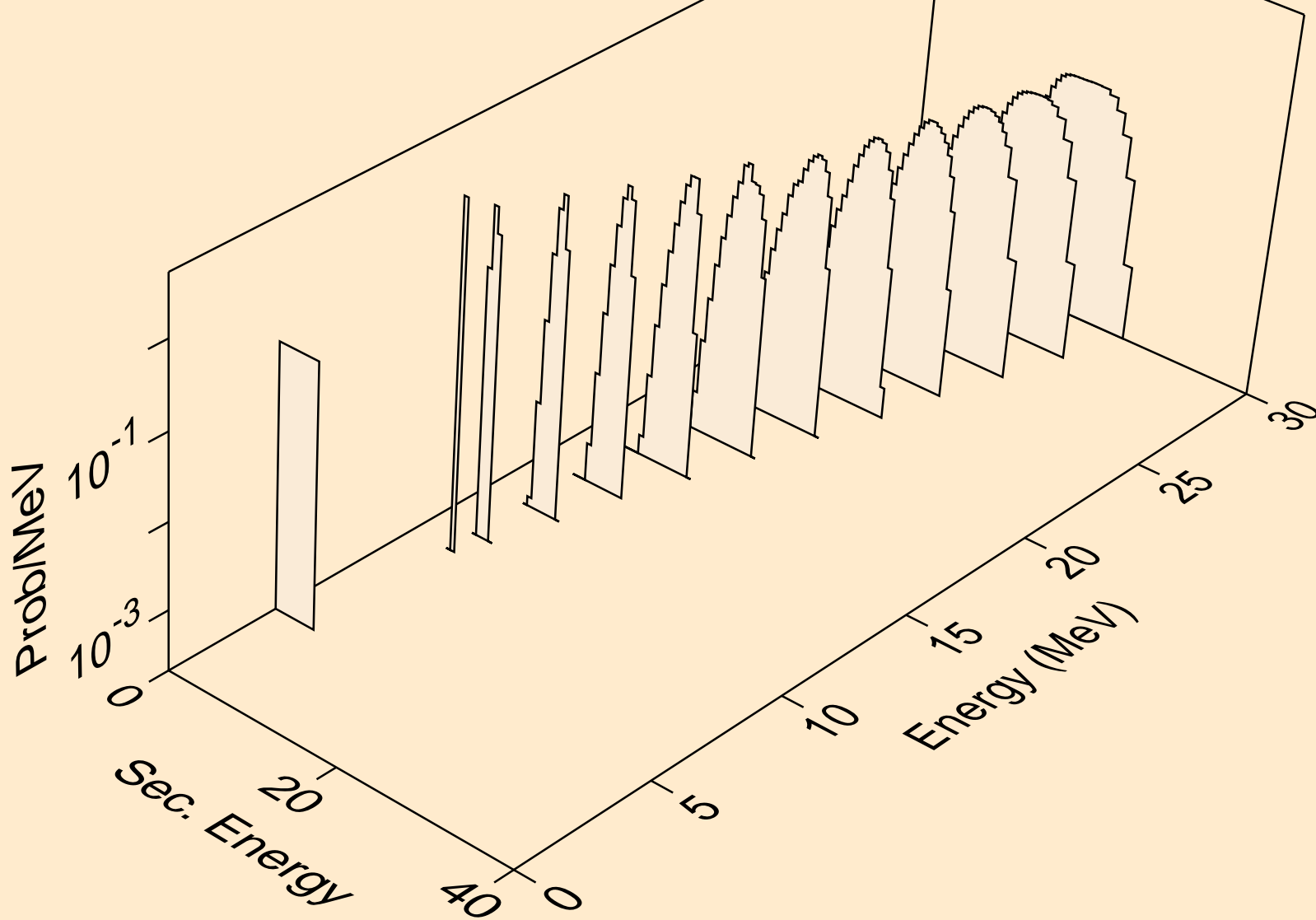
EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,x)



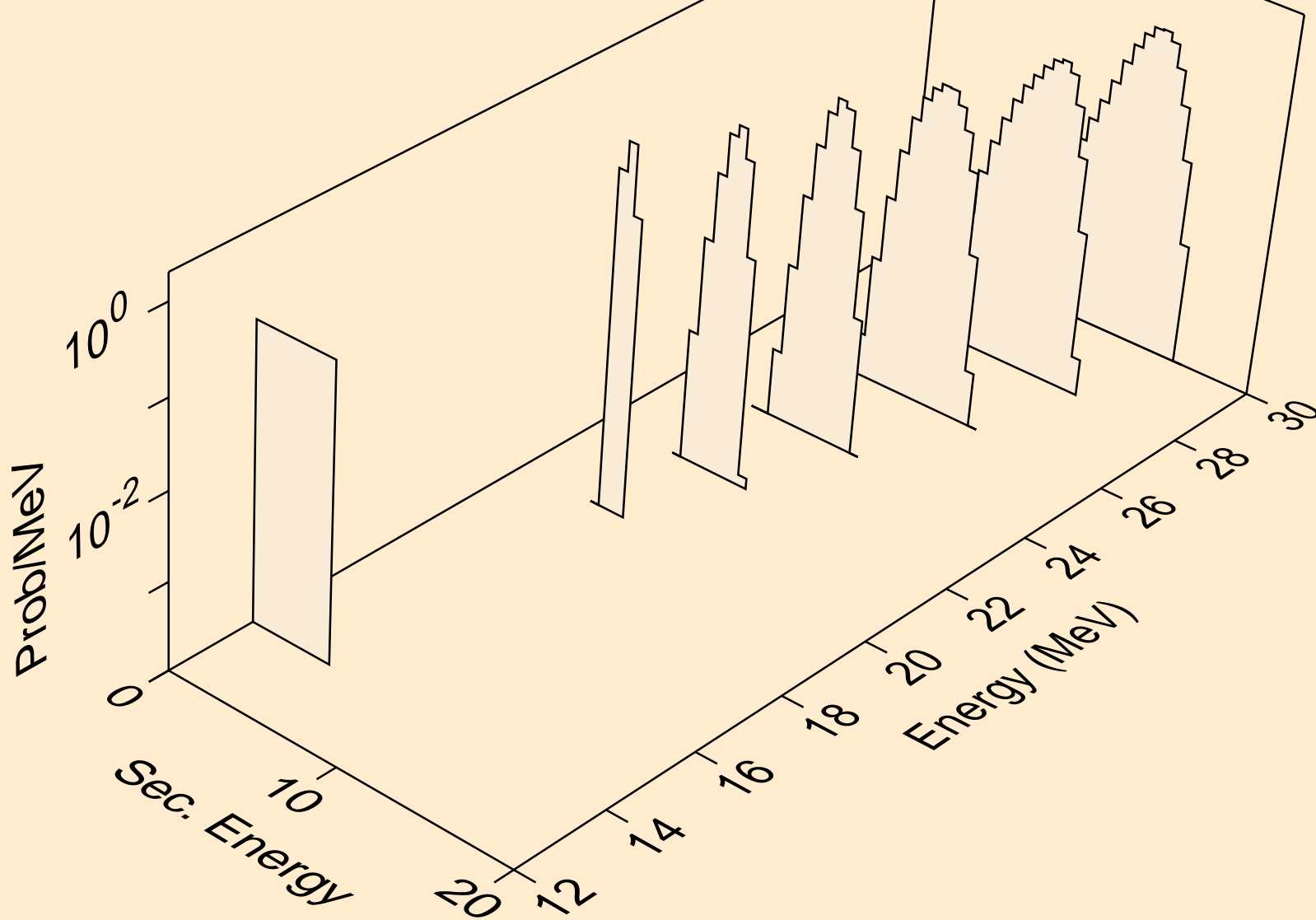
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alphas from (n,n\*)a



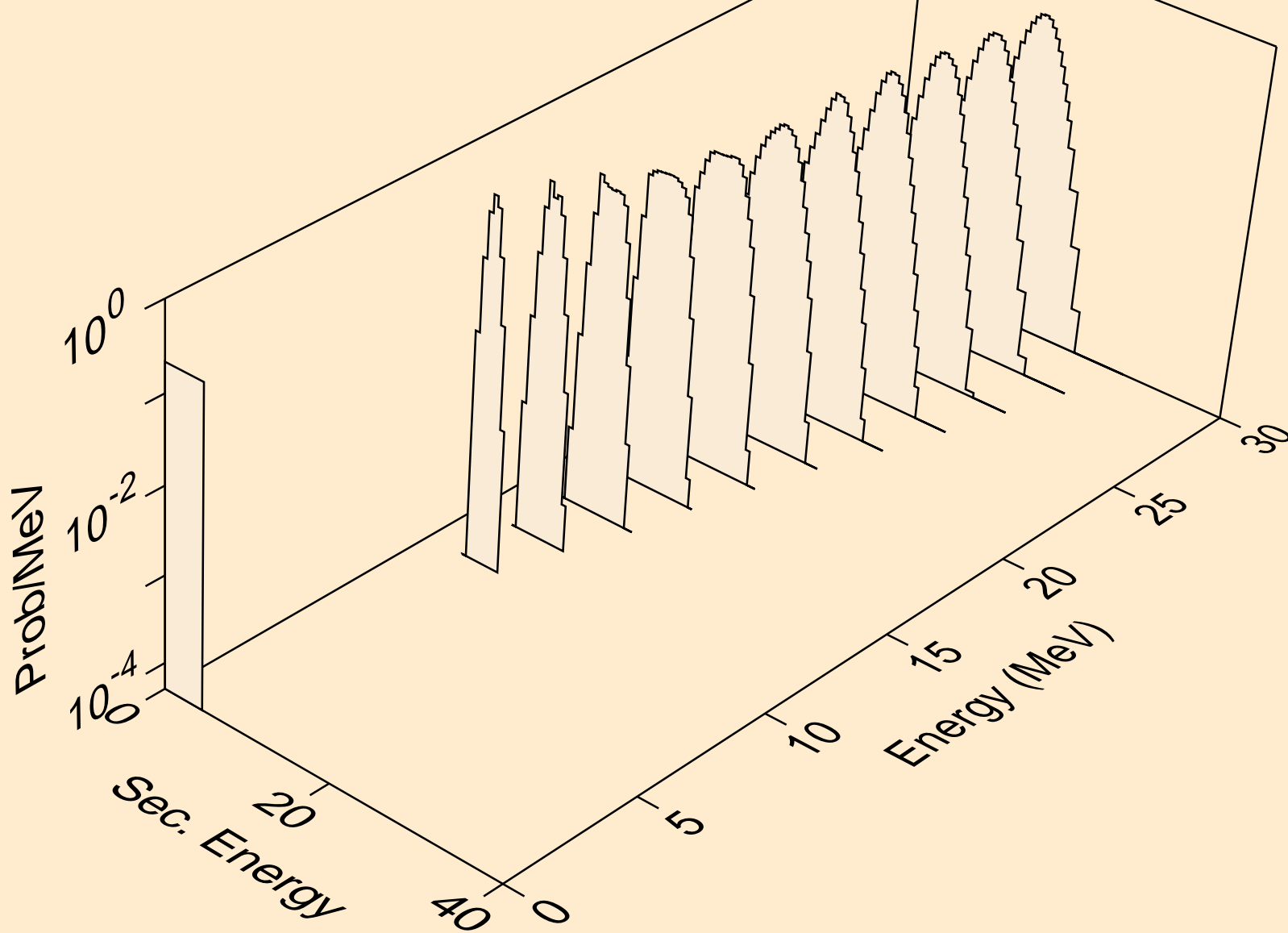
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alphas from (n,2n)a



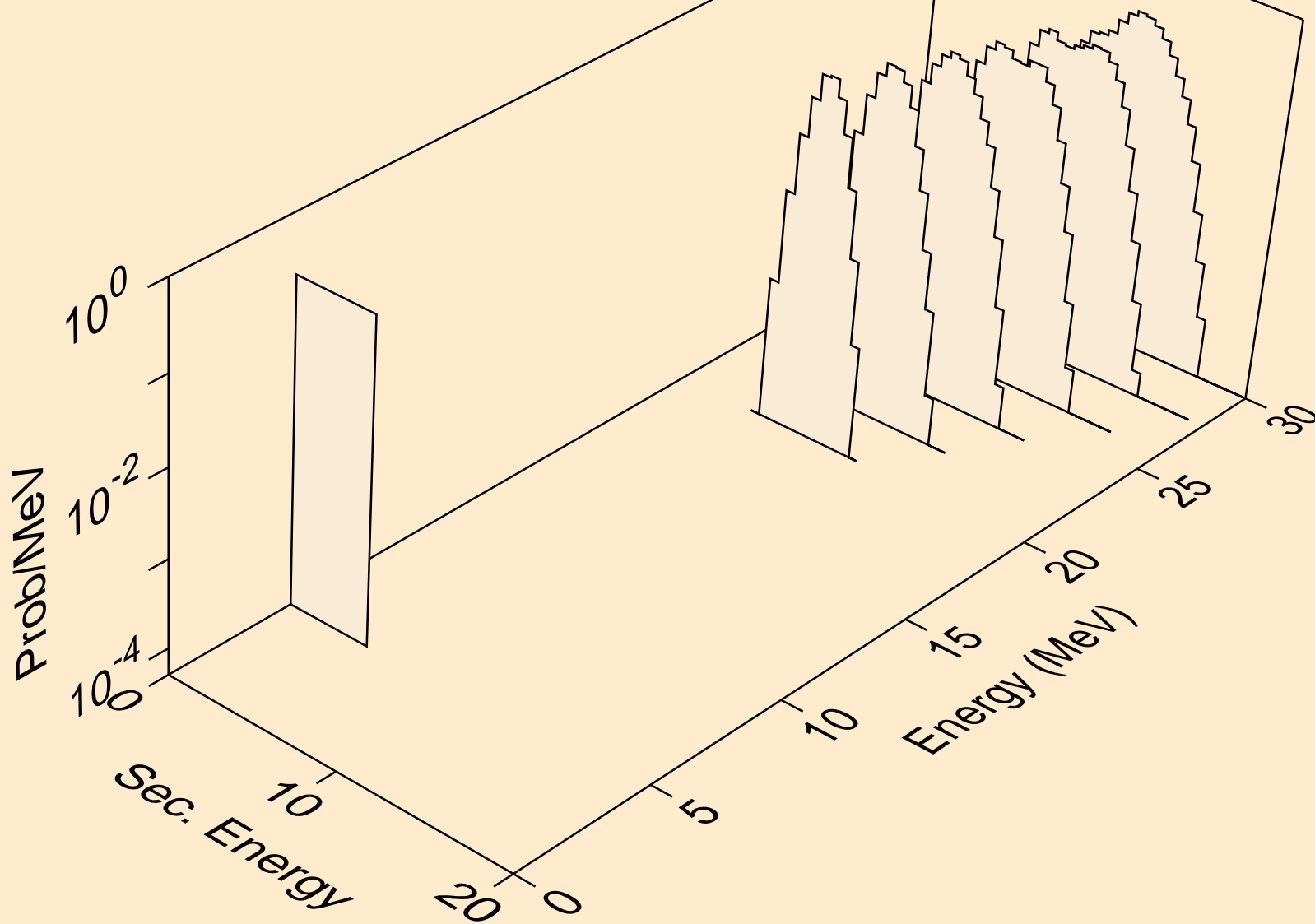
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alphas from (n,3n)a



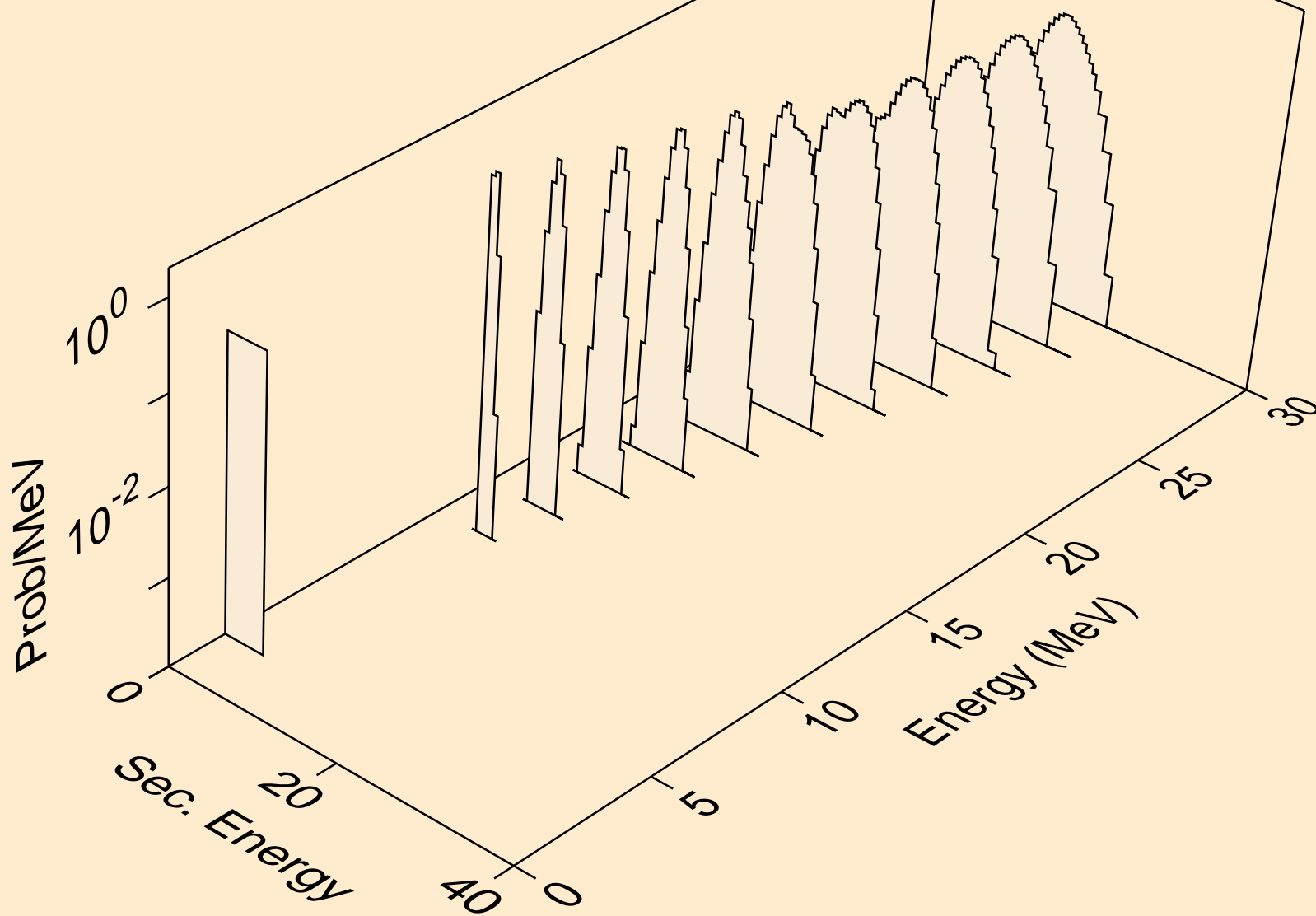
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alphas from (n,n\*)2a



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alphas from (n,2n)2a

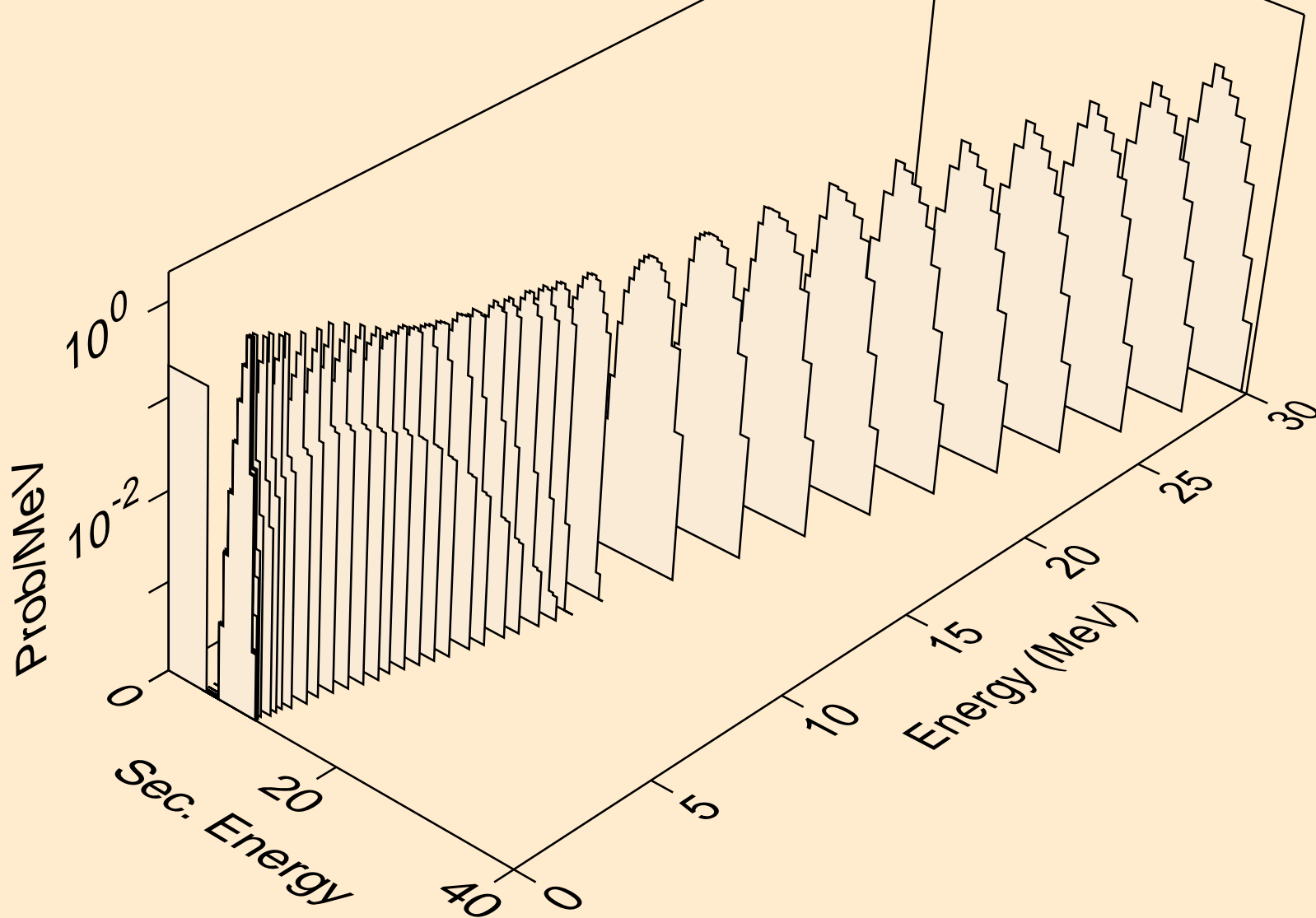


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alphas from (n,npa)

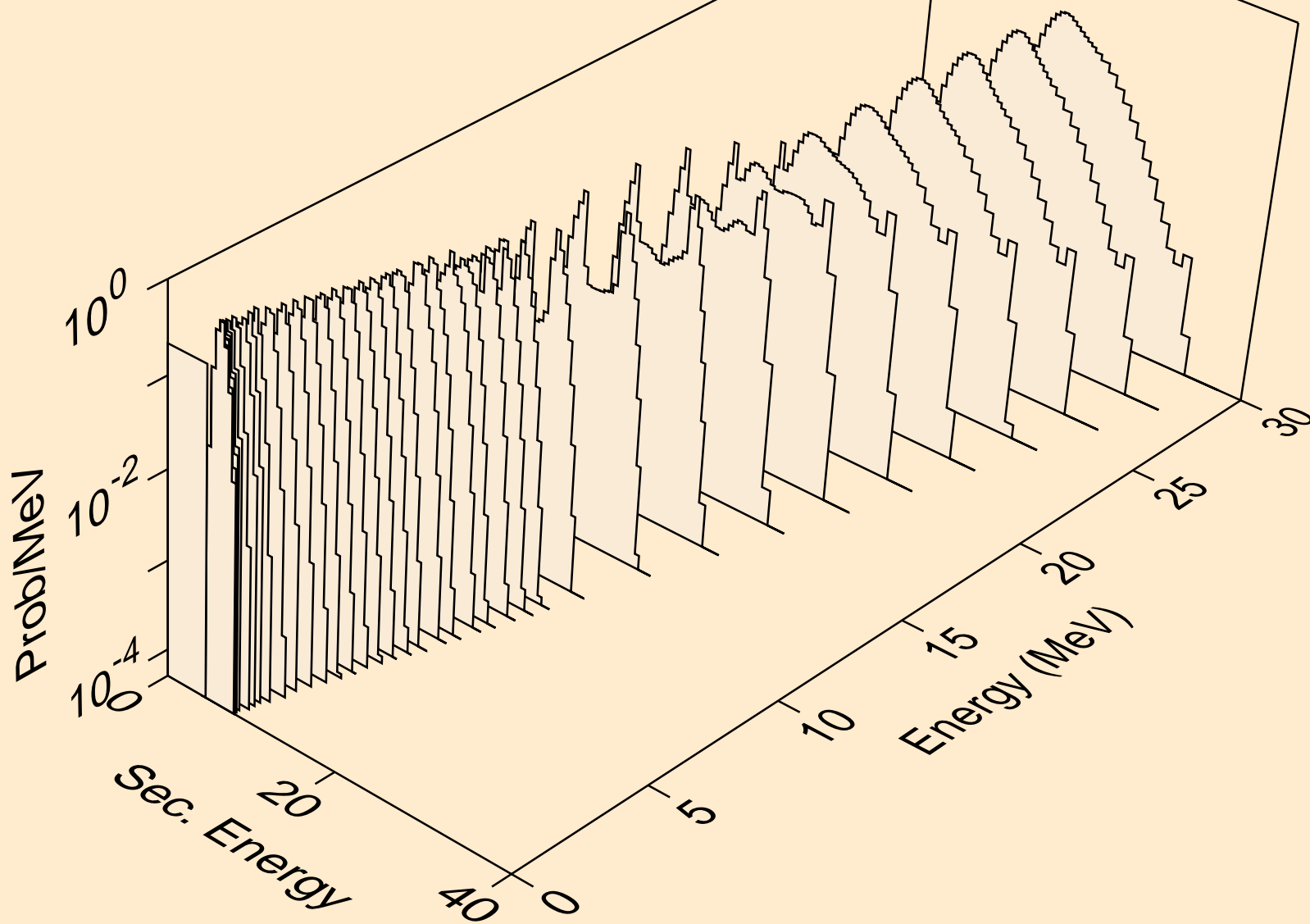




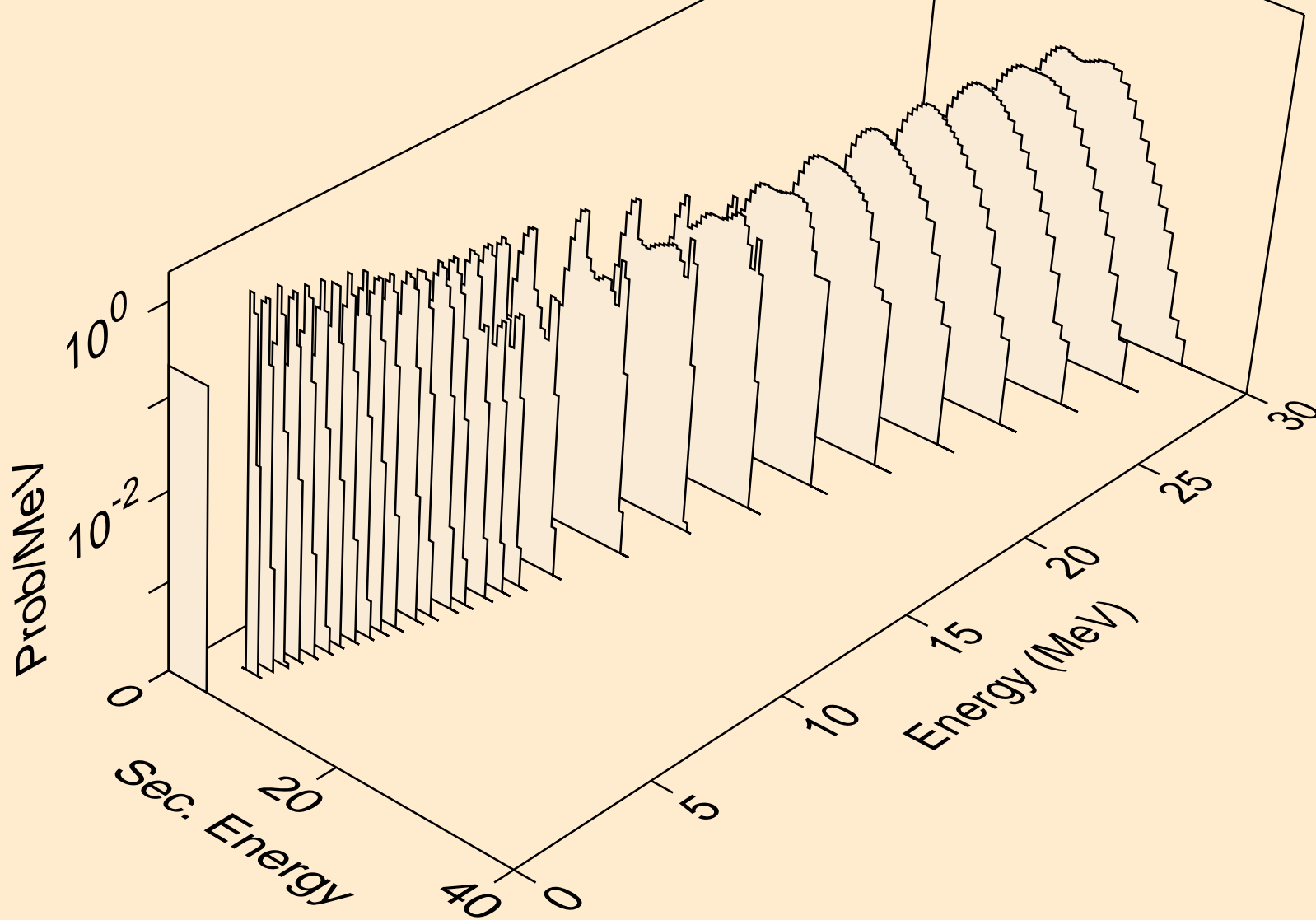
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alphas from (n,a)



EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2a)



EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,pa)



EU148 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,da)

