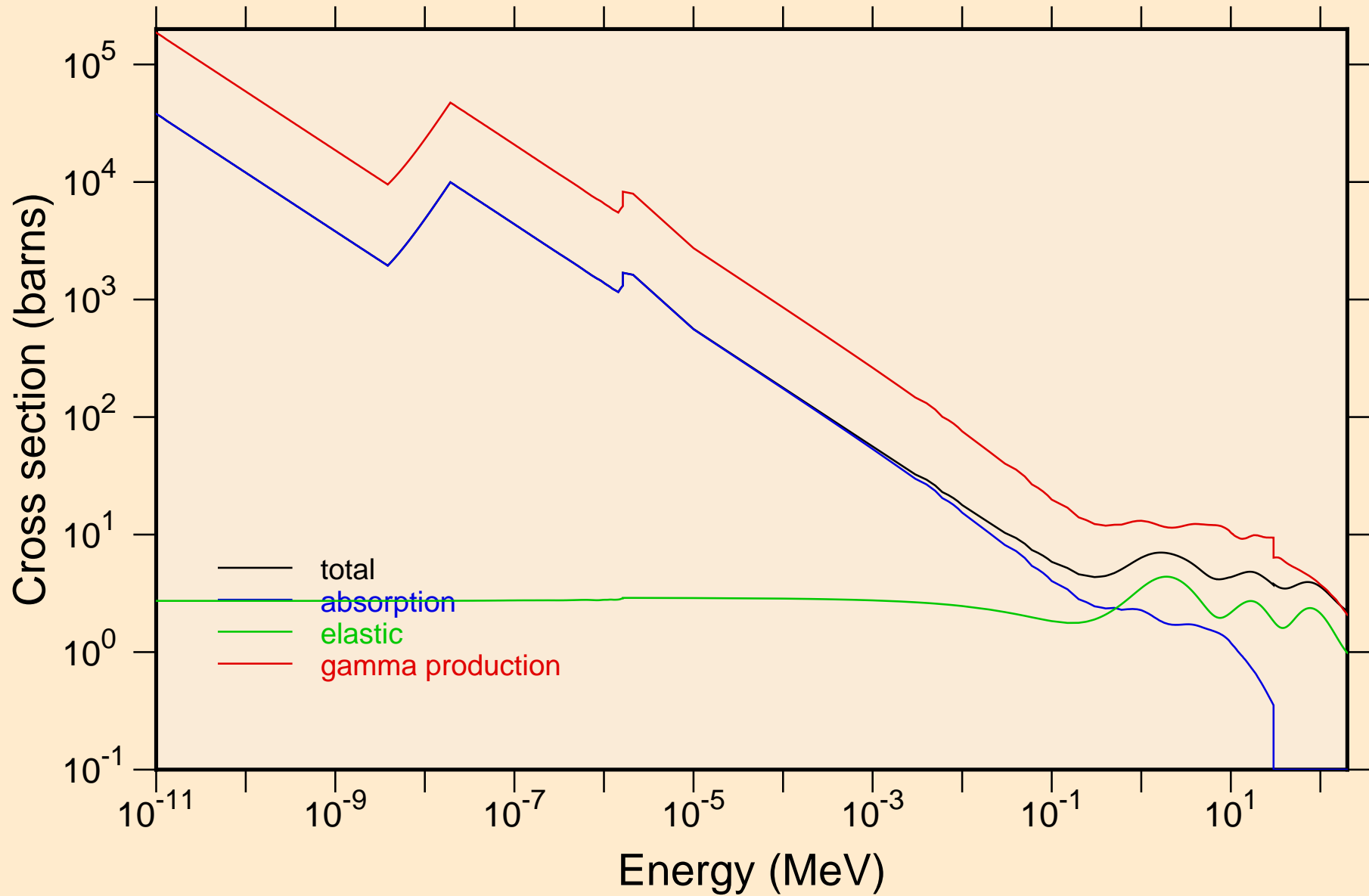


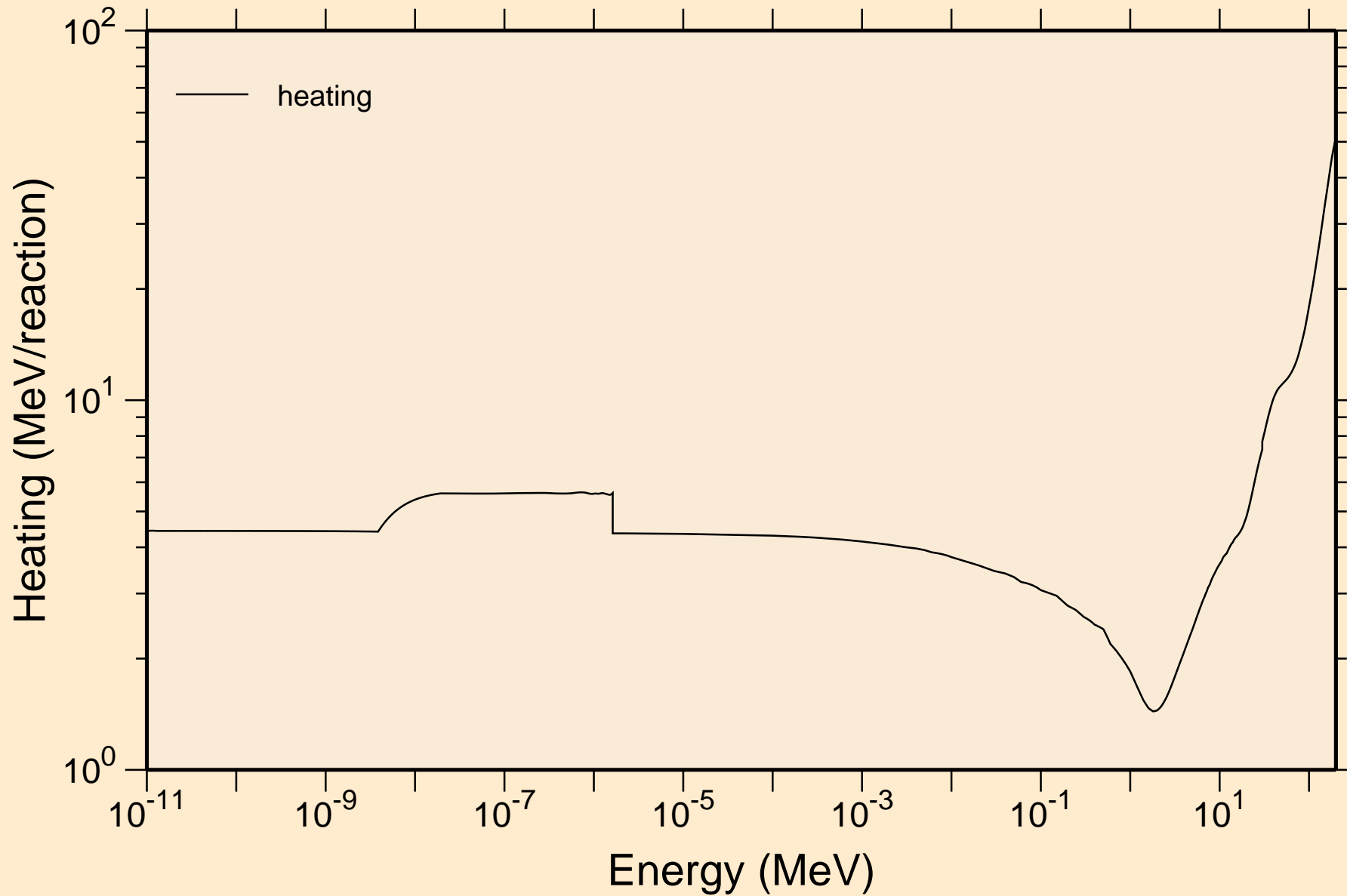
# EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections



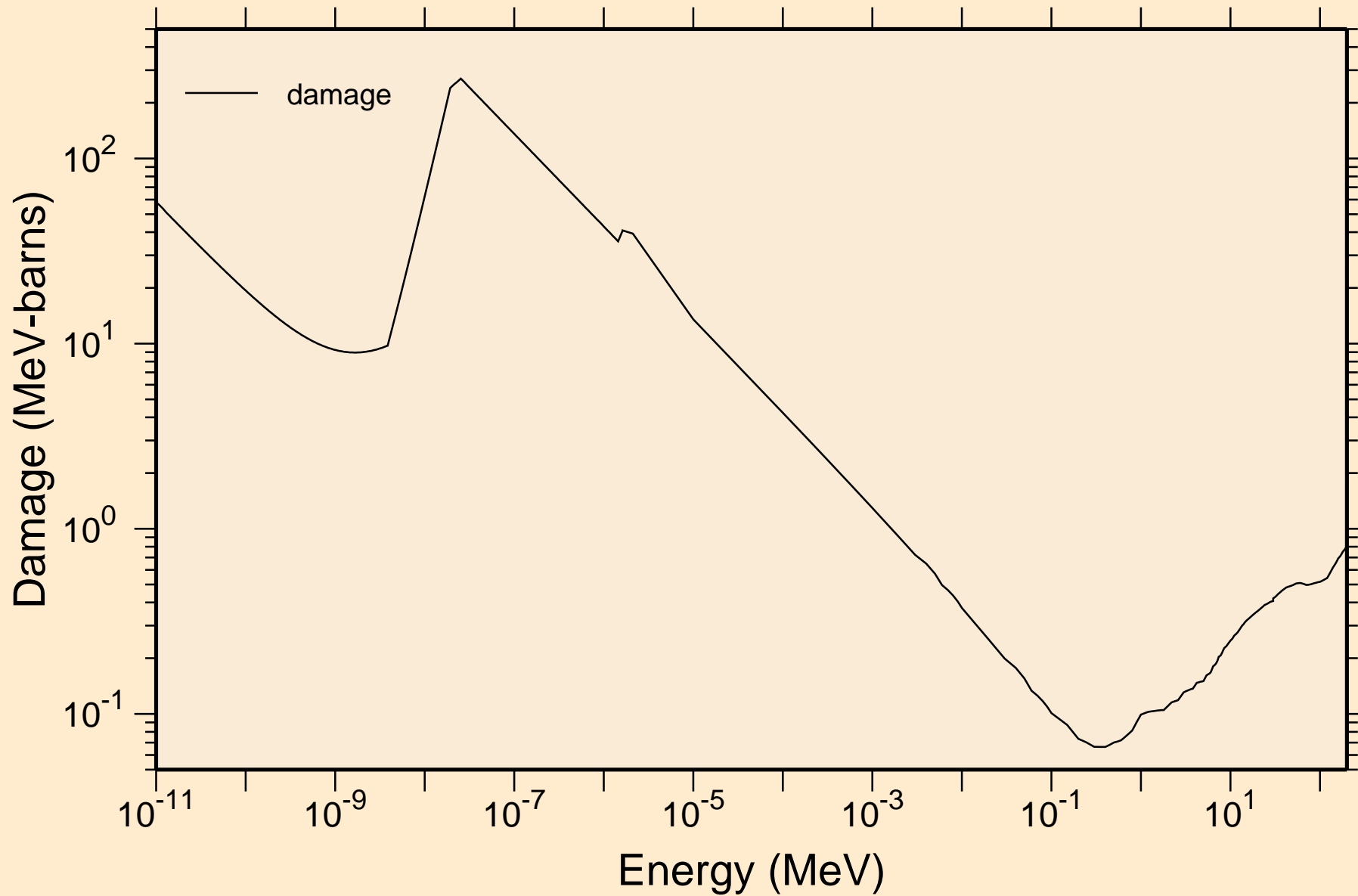
# EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Heating



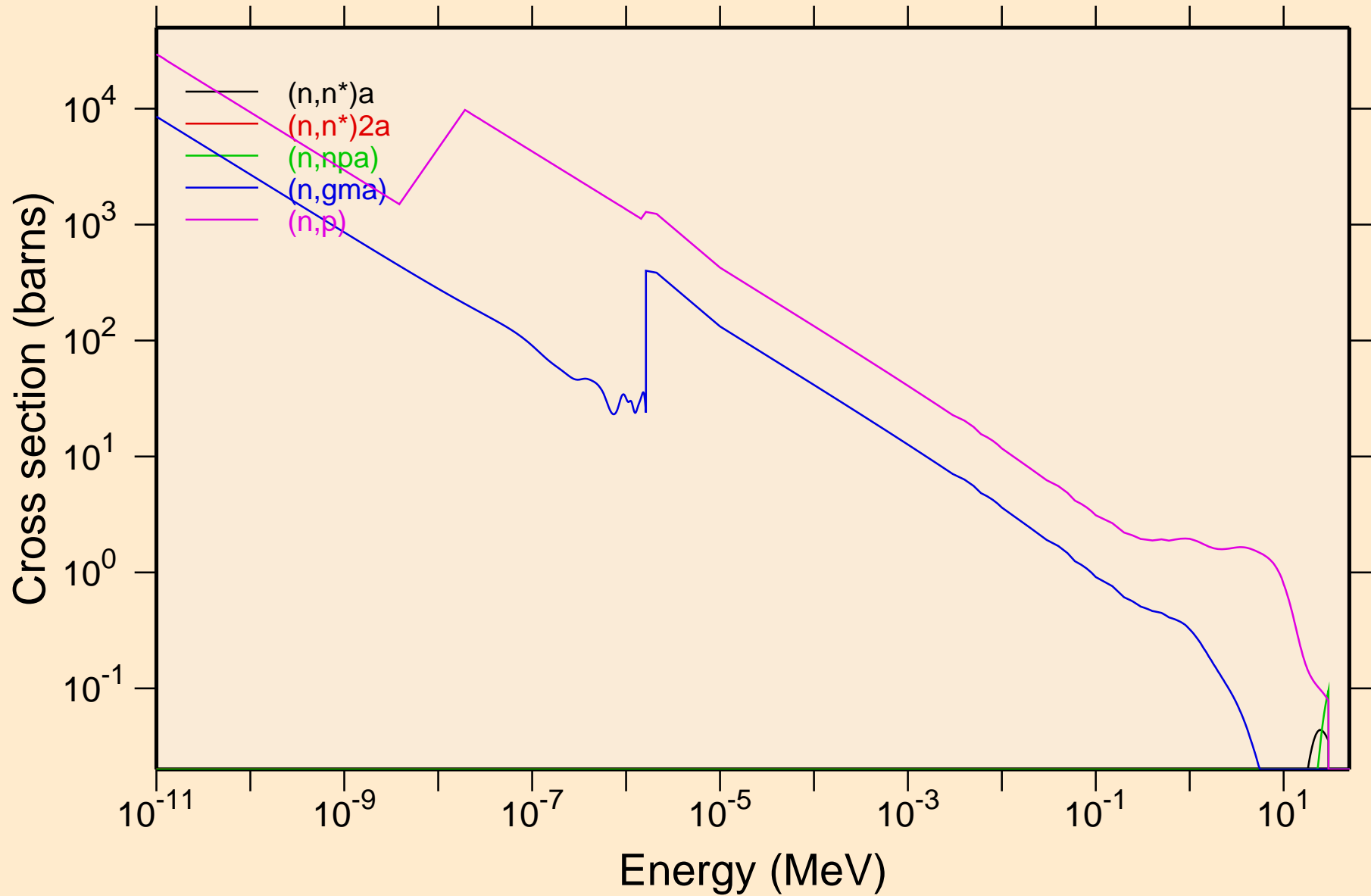
# EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Damage

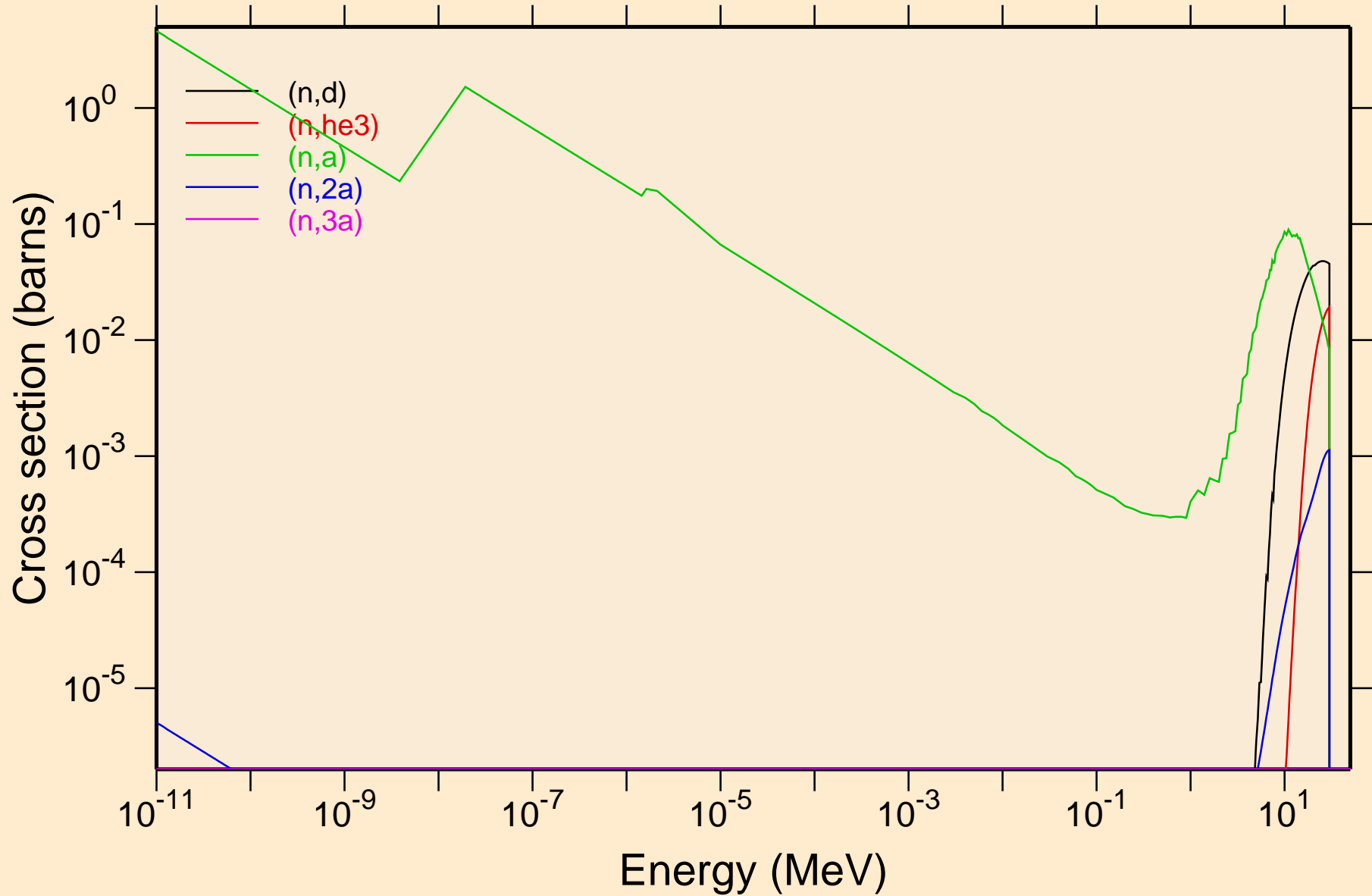


# EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Non-threshold reactions

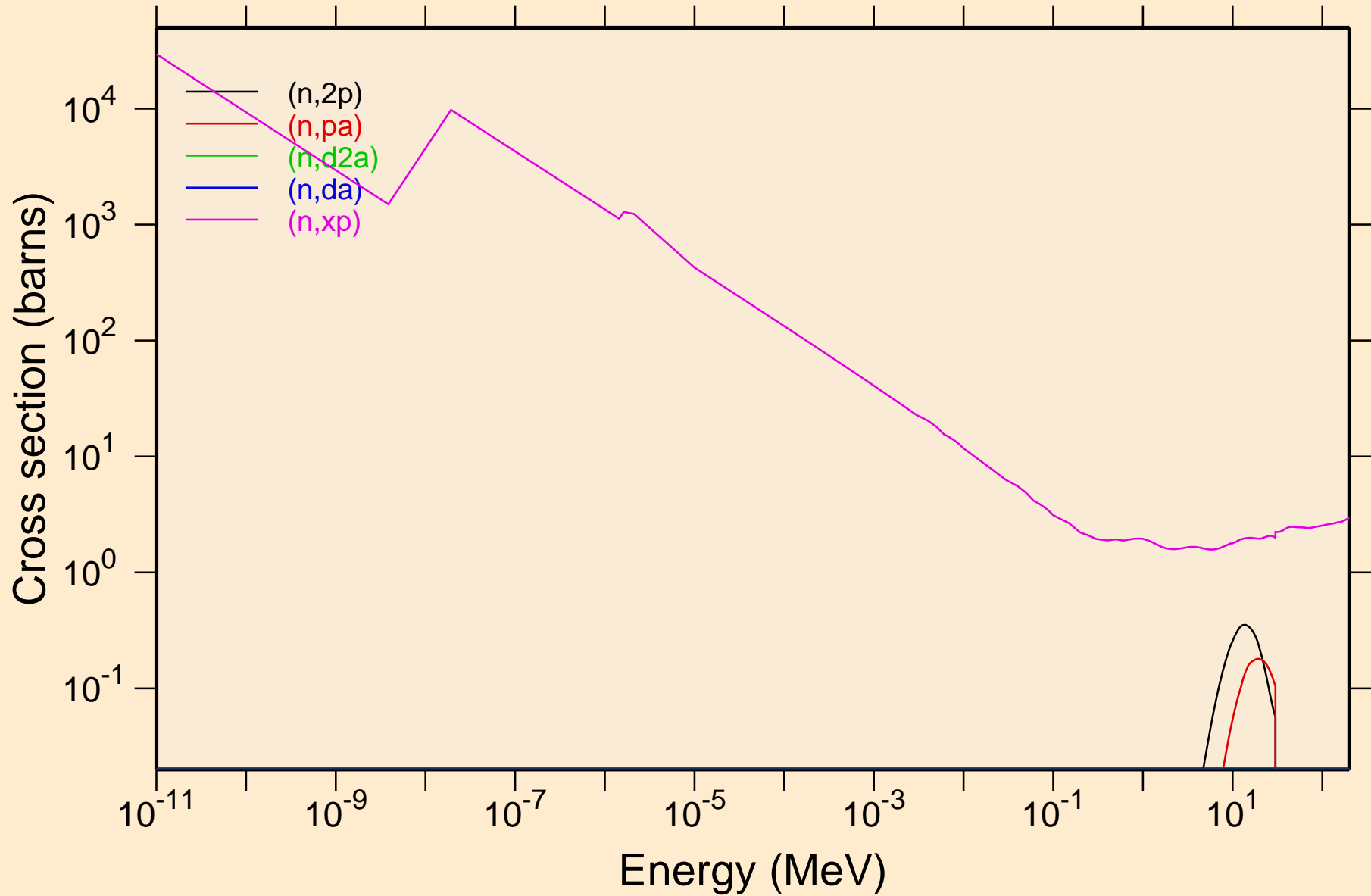


EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions

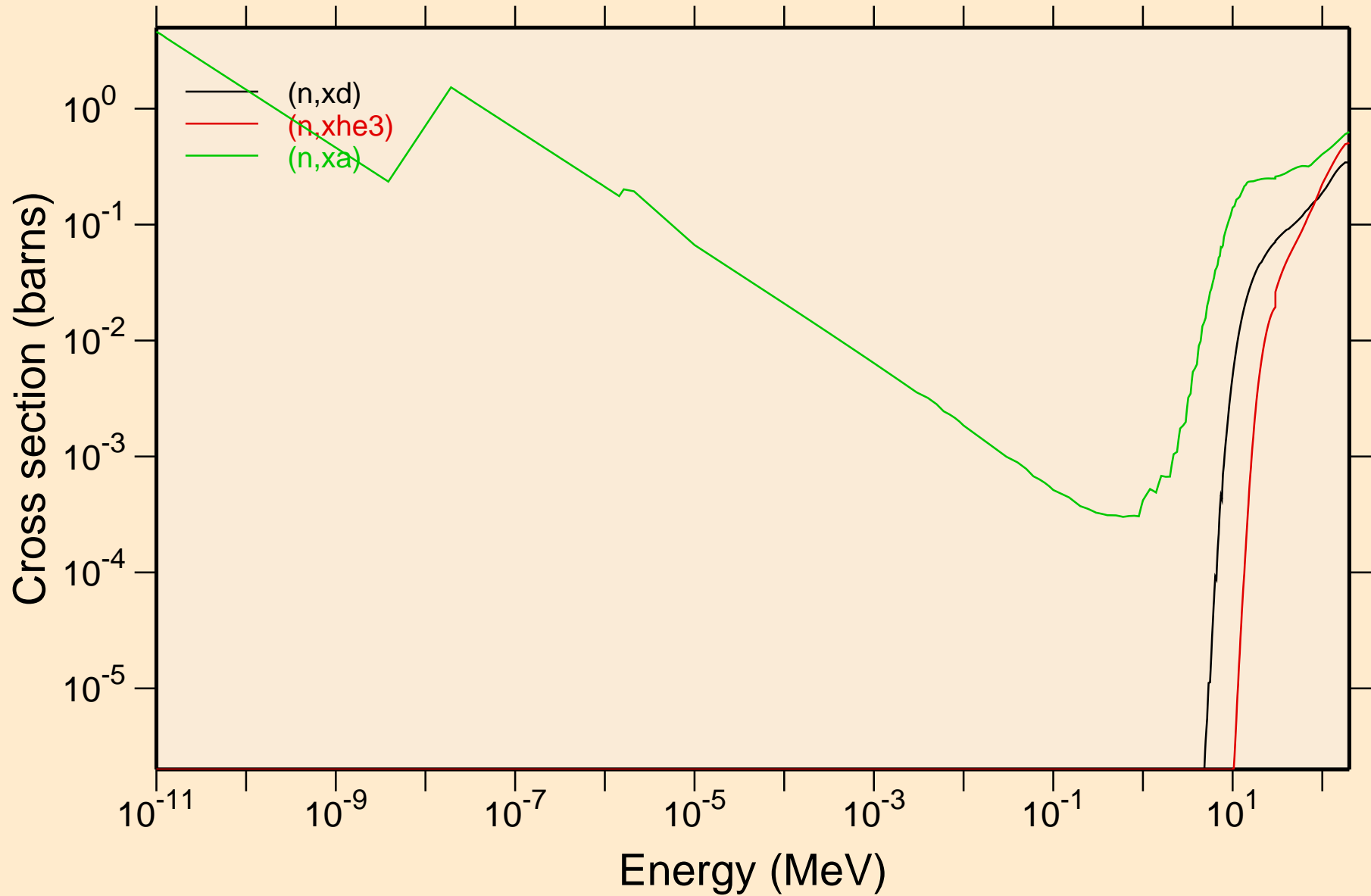


# EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Non-threshold reactions

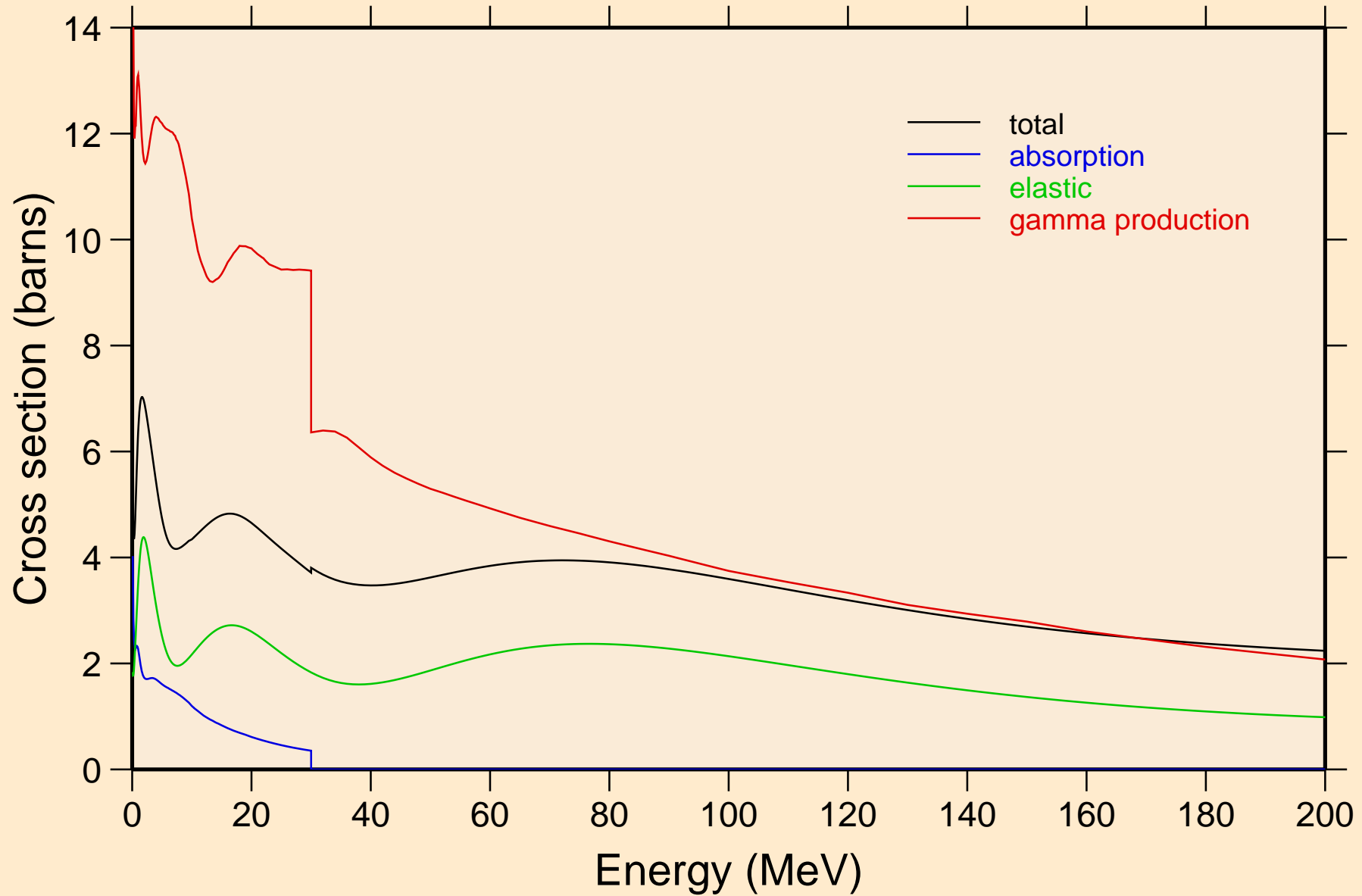


EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



# EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

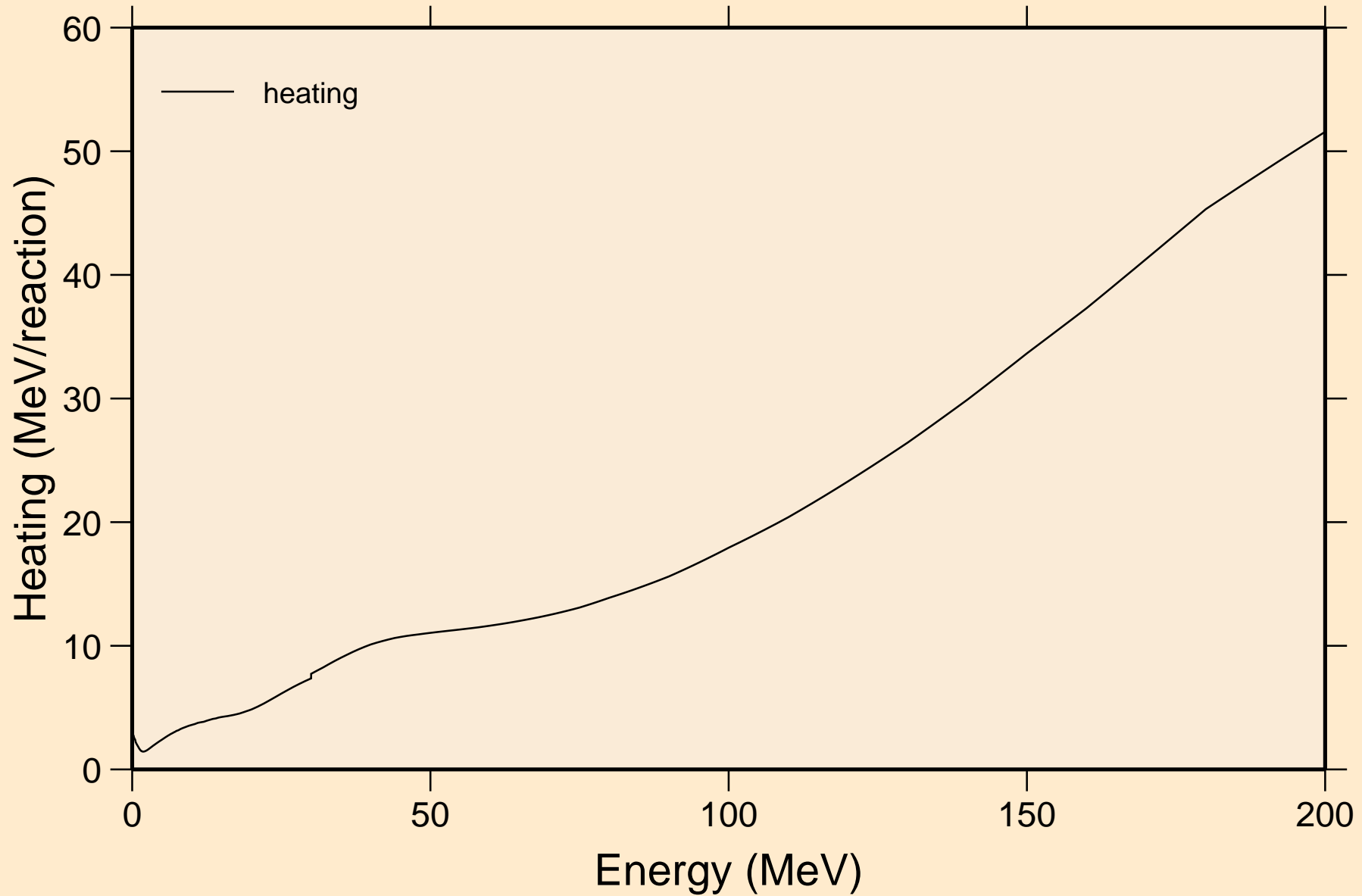
## Principal cross sections





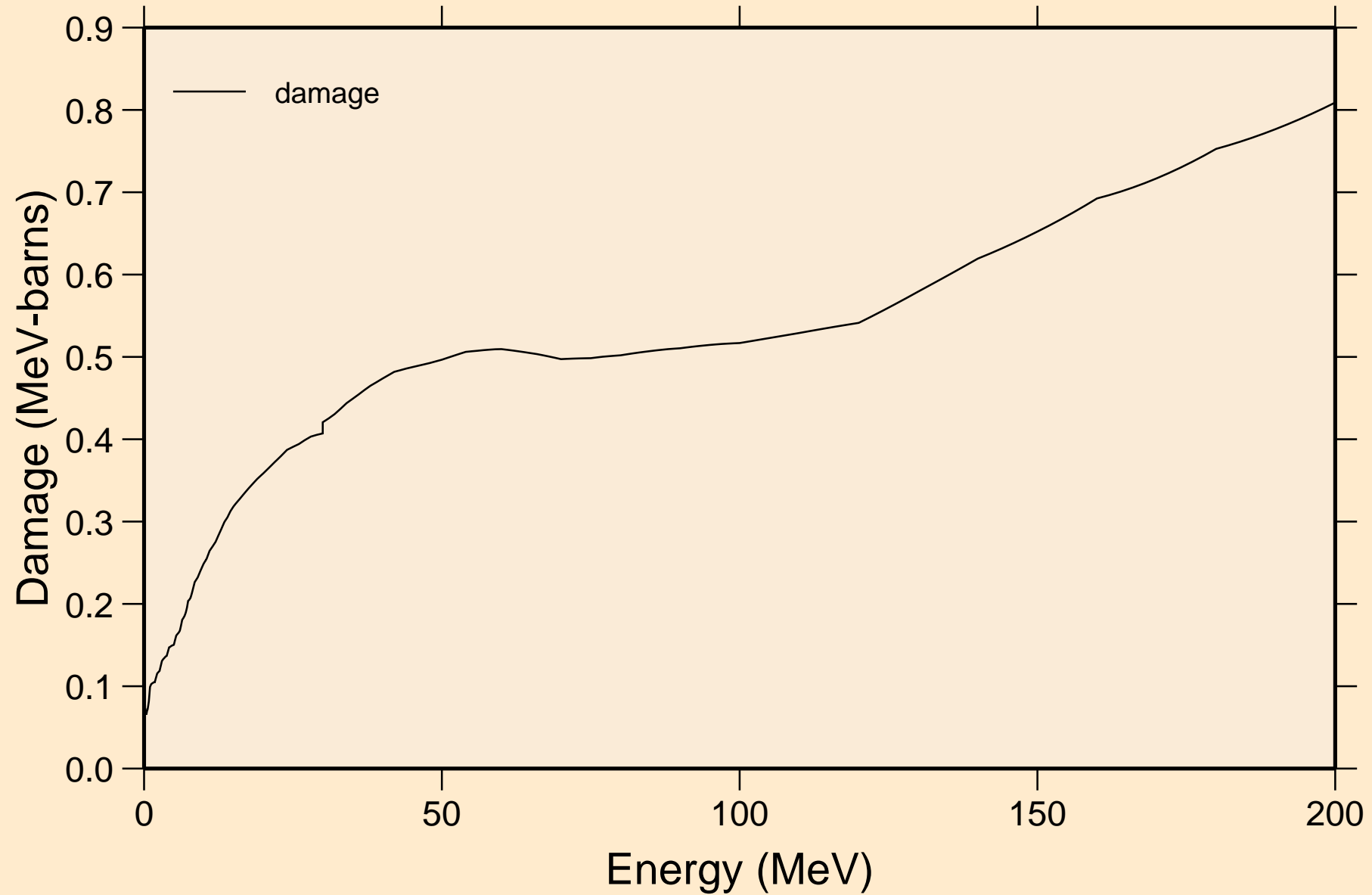
# EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Heating



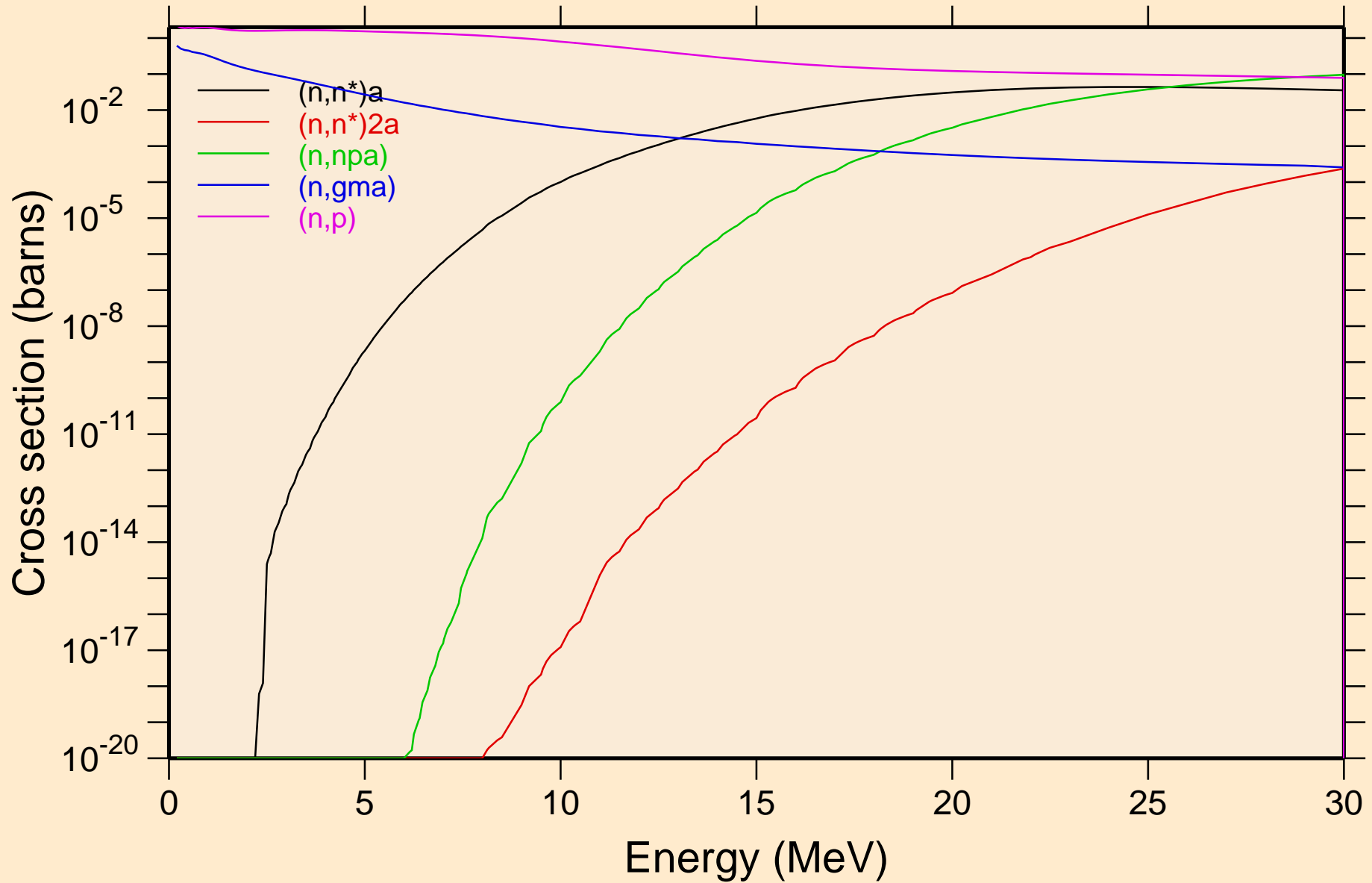
# EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Damage



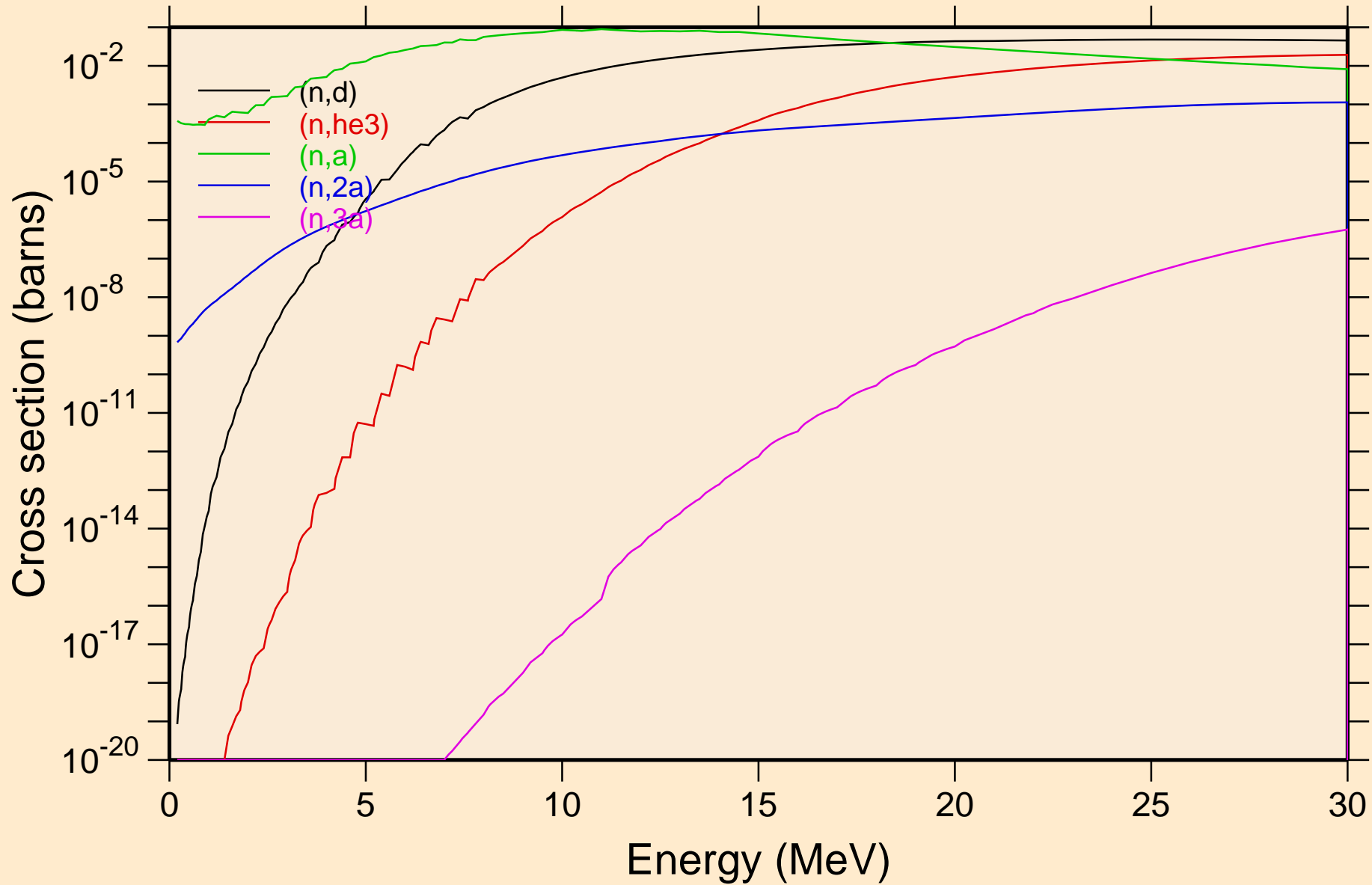
# EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Non-threshold reactions



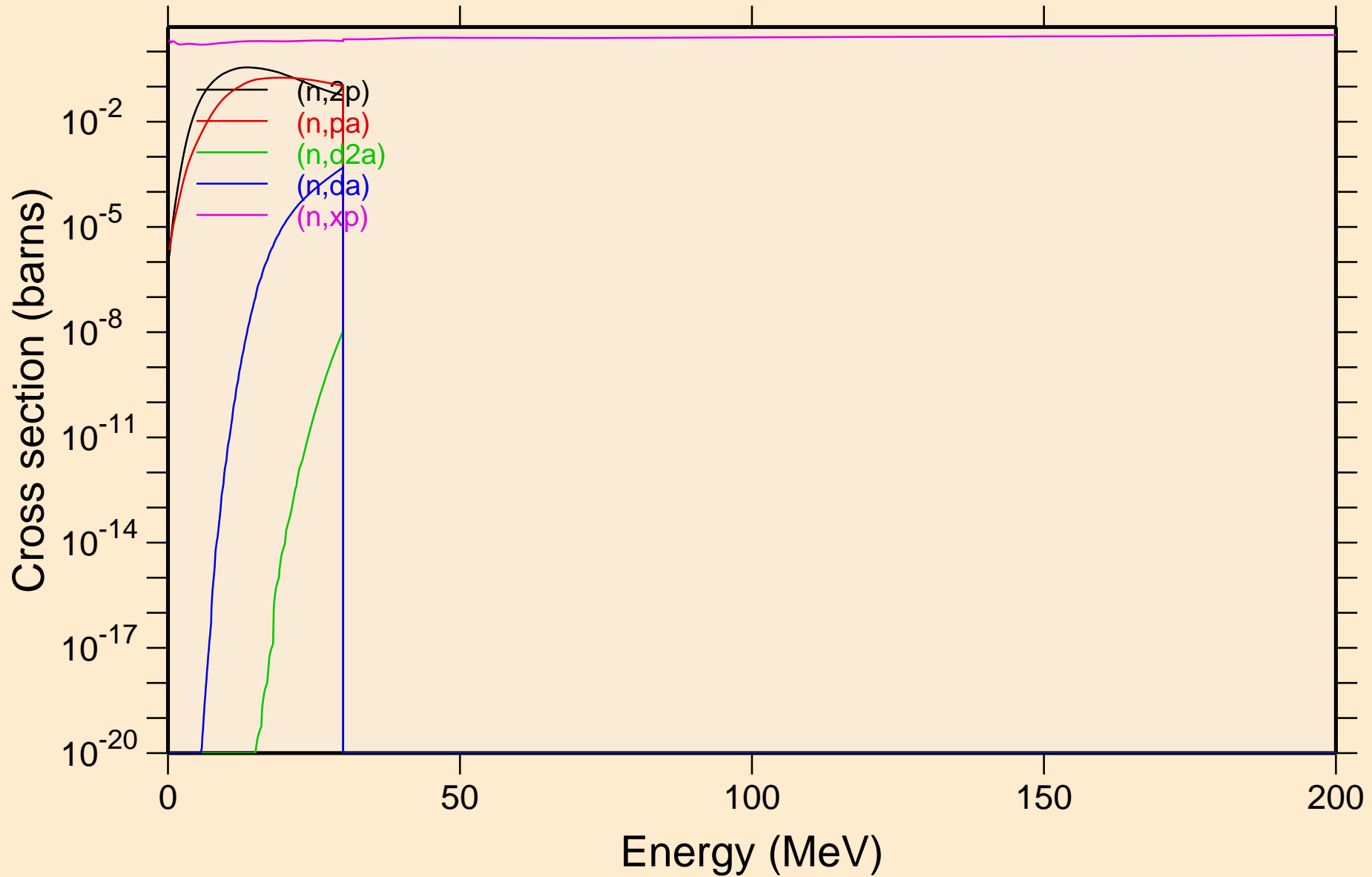
# EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Non-threshold reactions

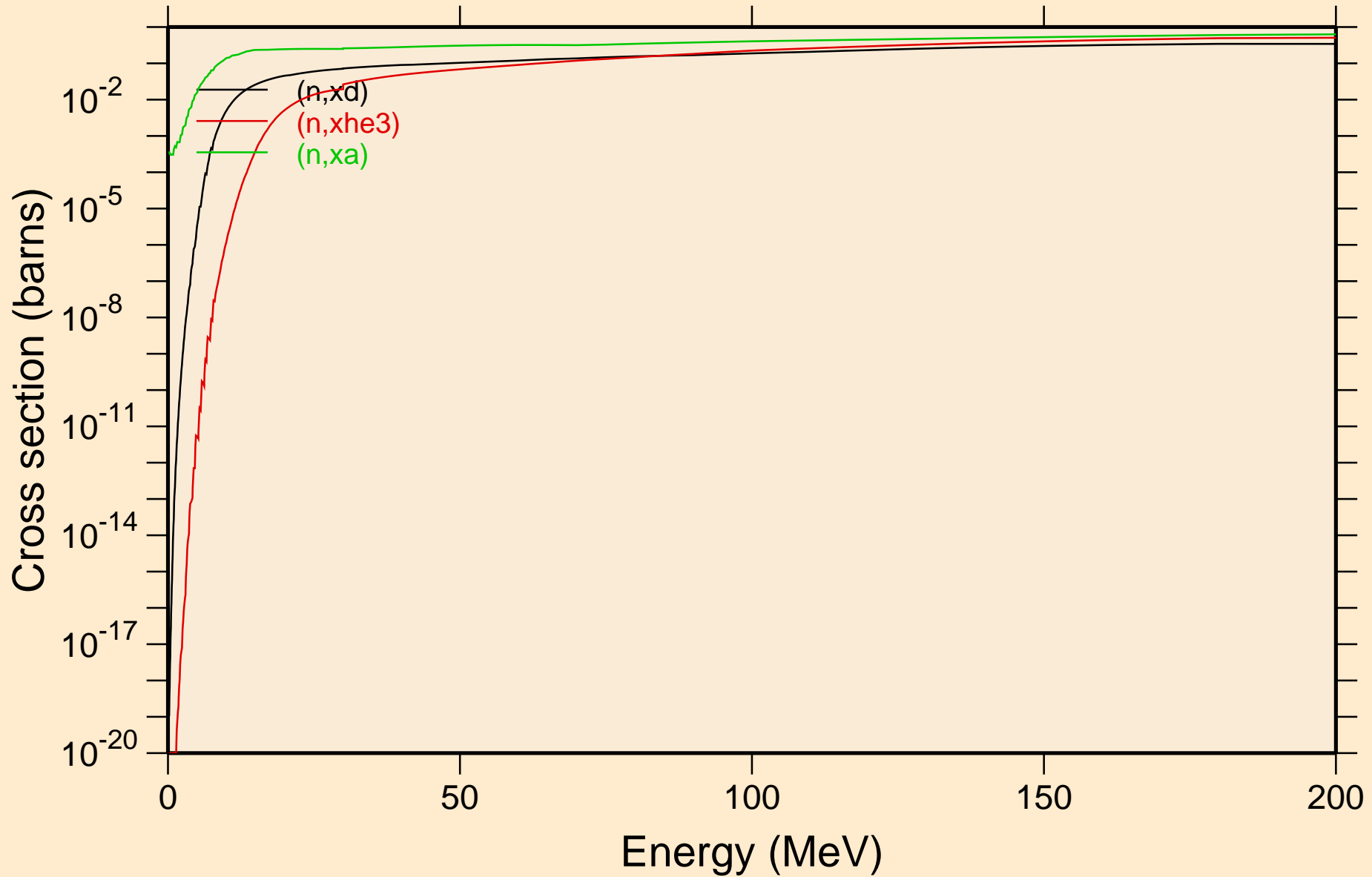


# EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

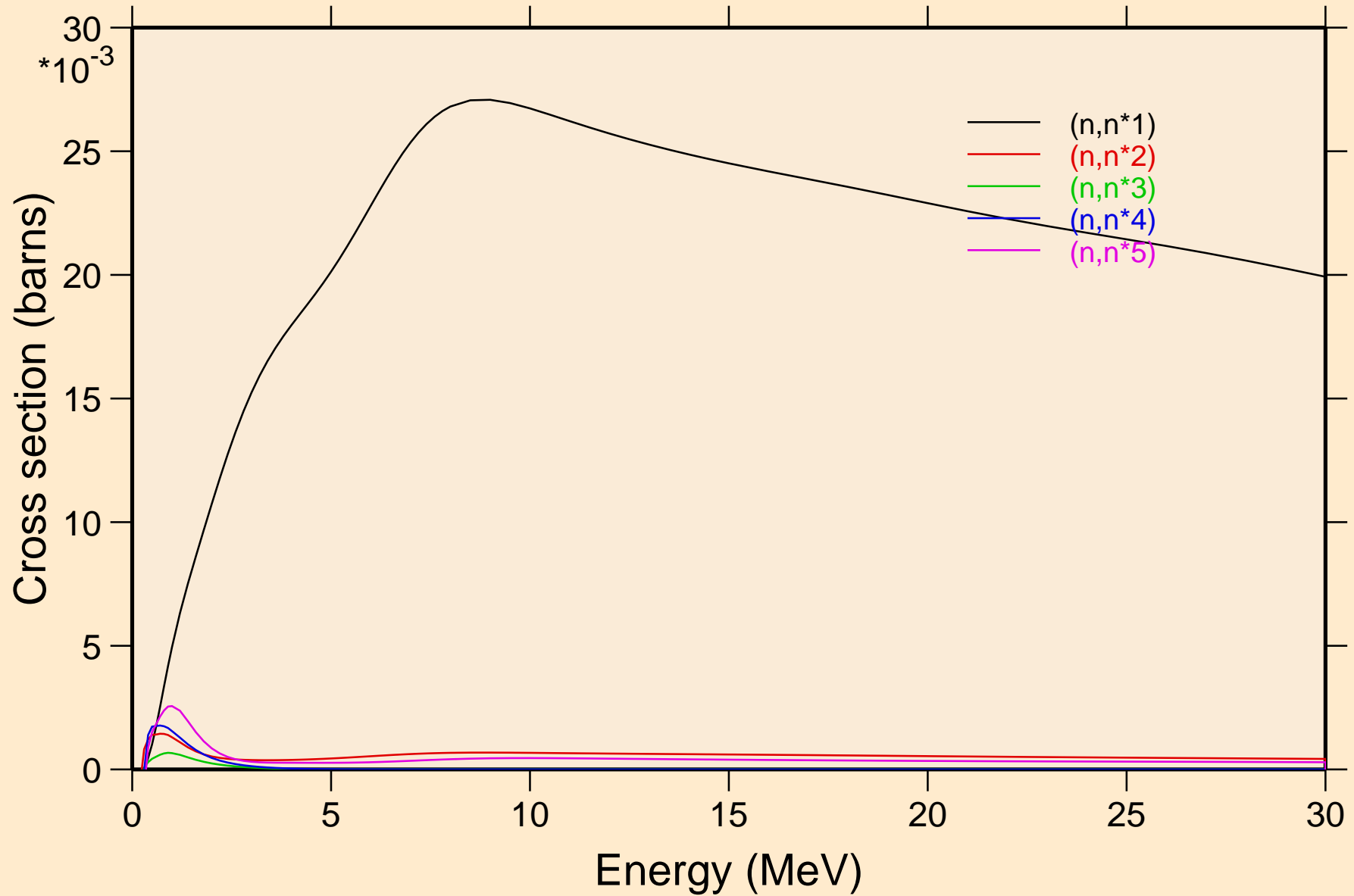
## Non-threshold reactions



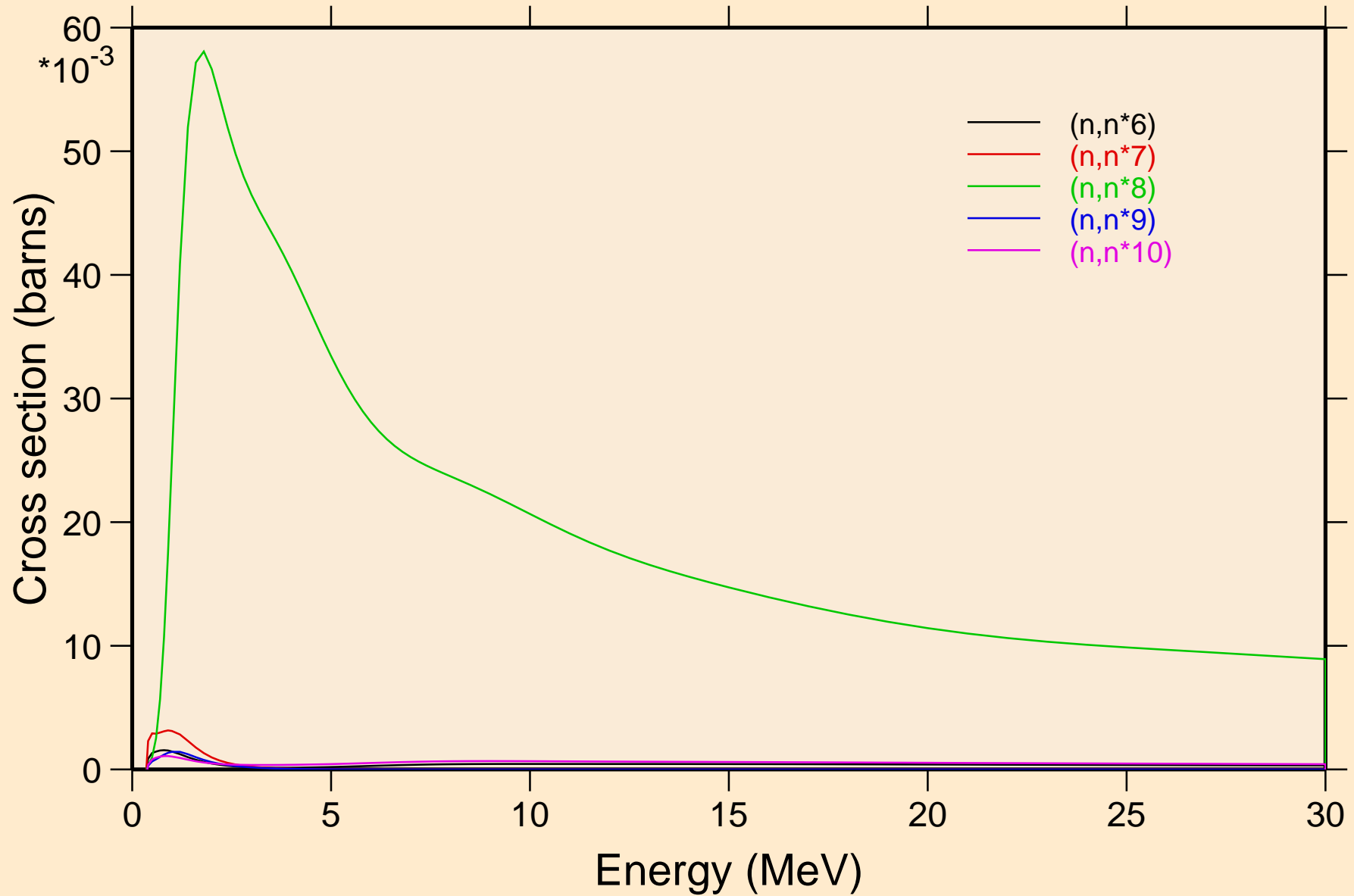
EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



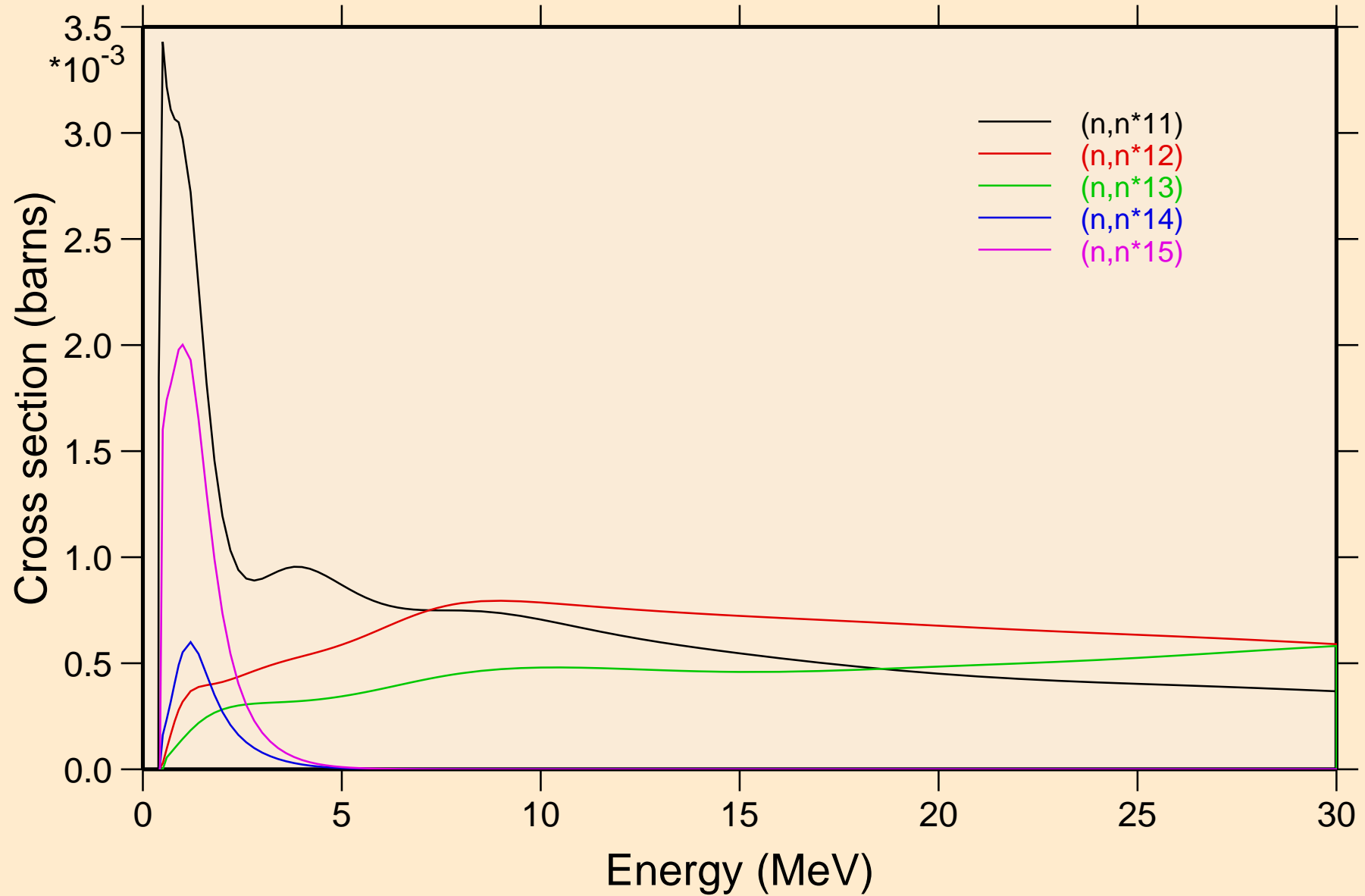
EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



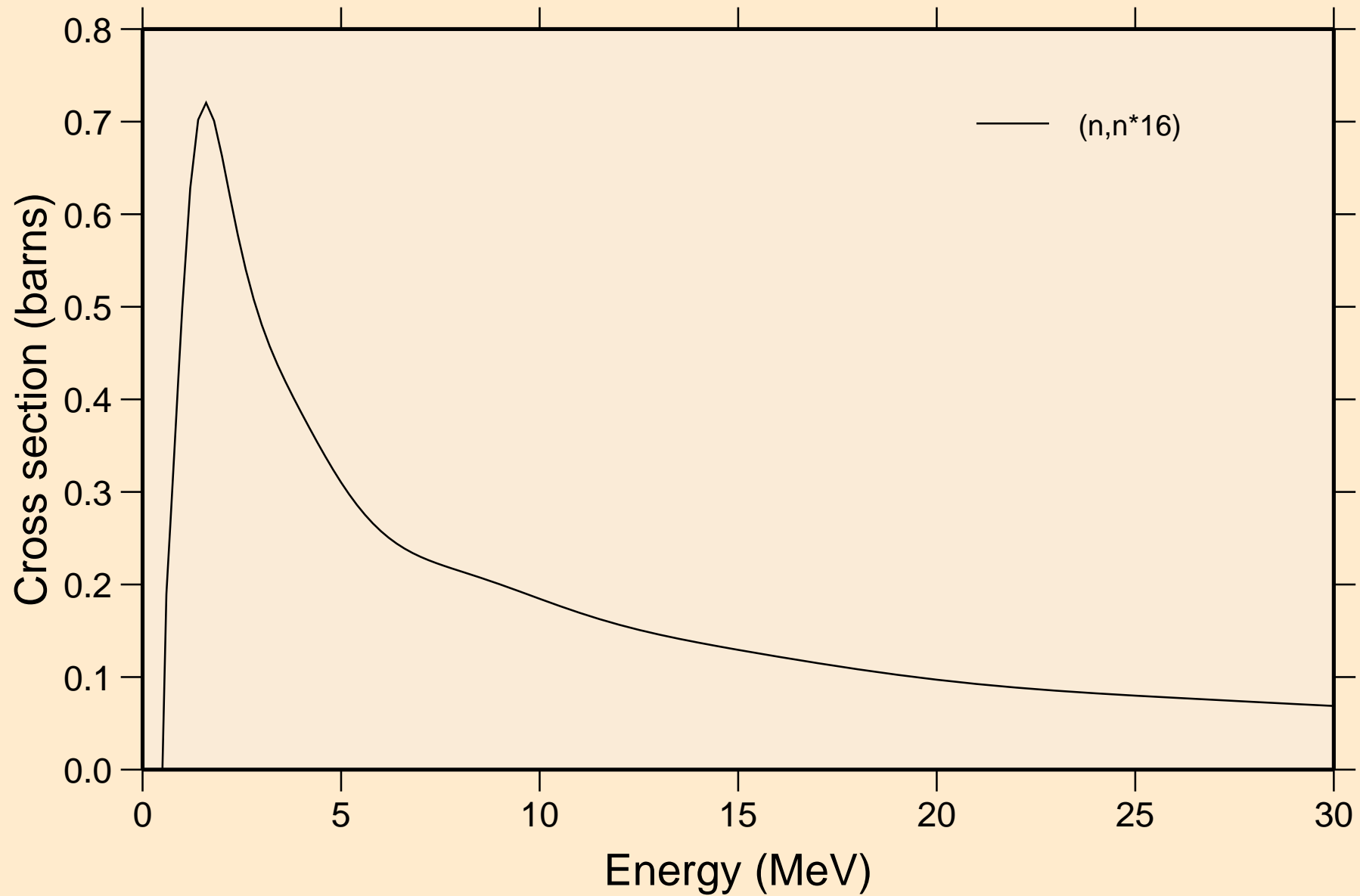


# EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Inelastic levels

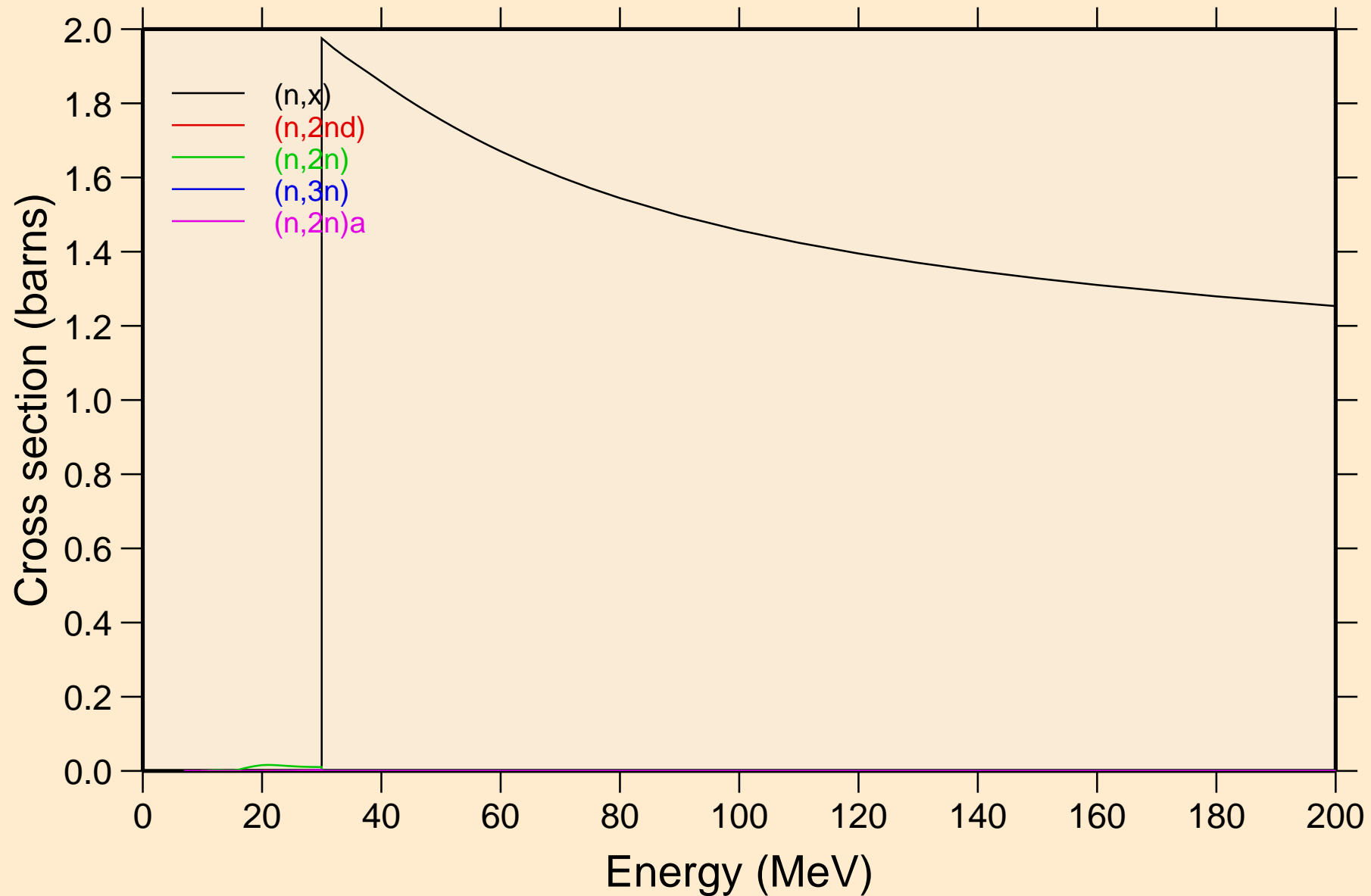


EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels

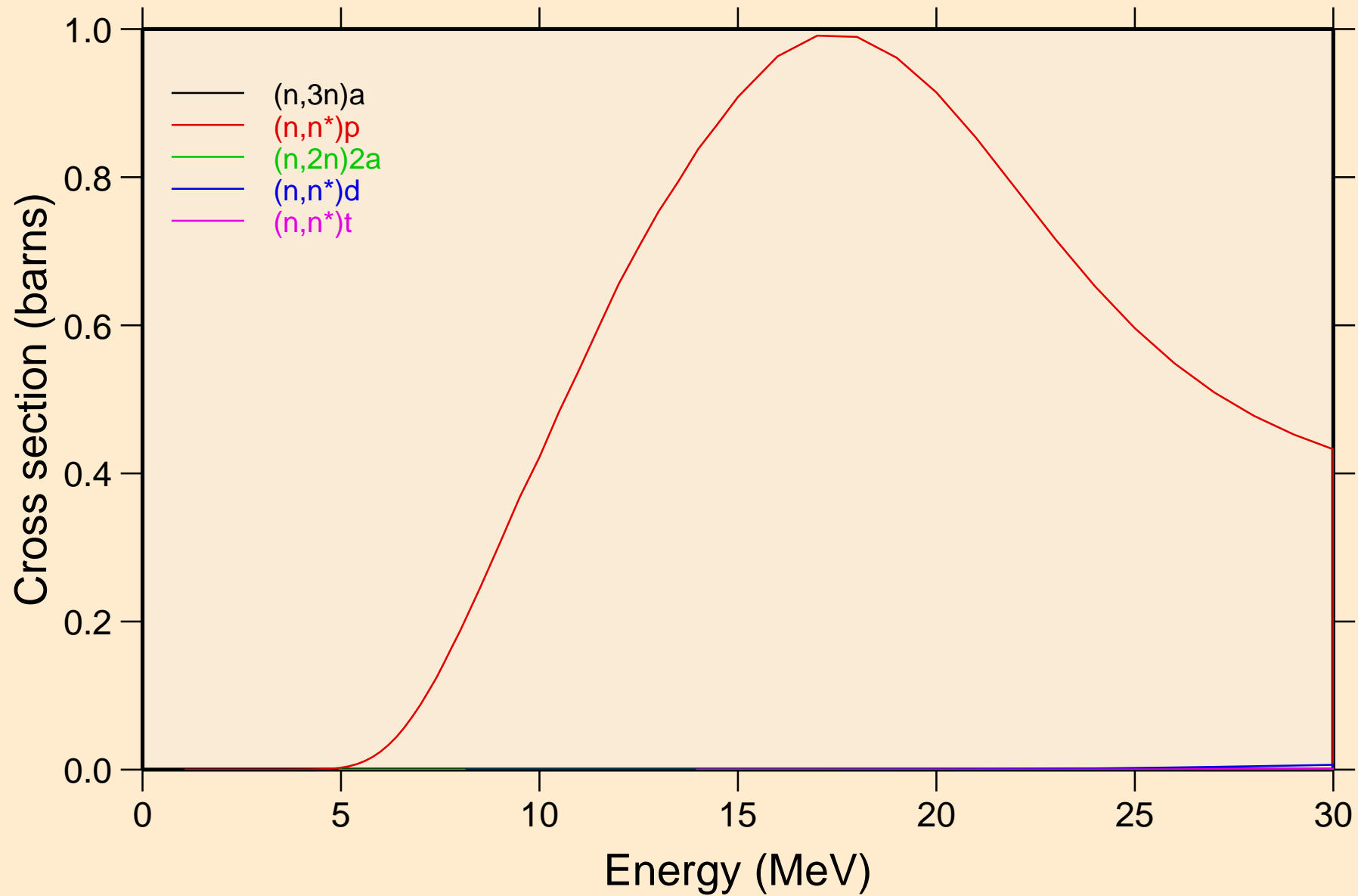


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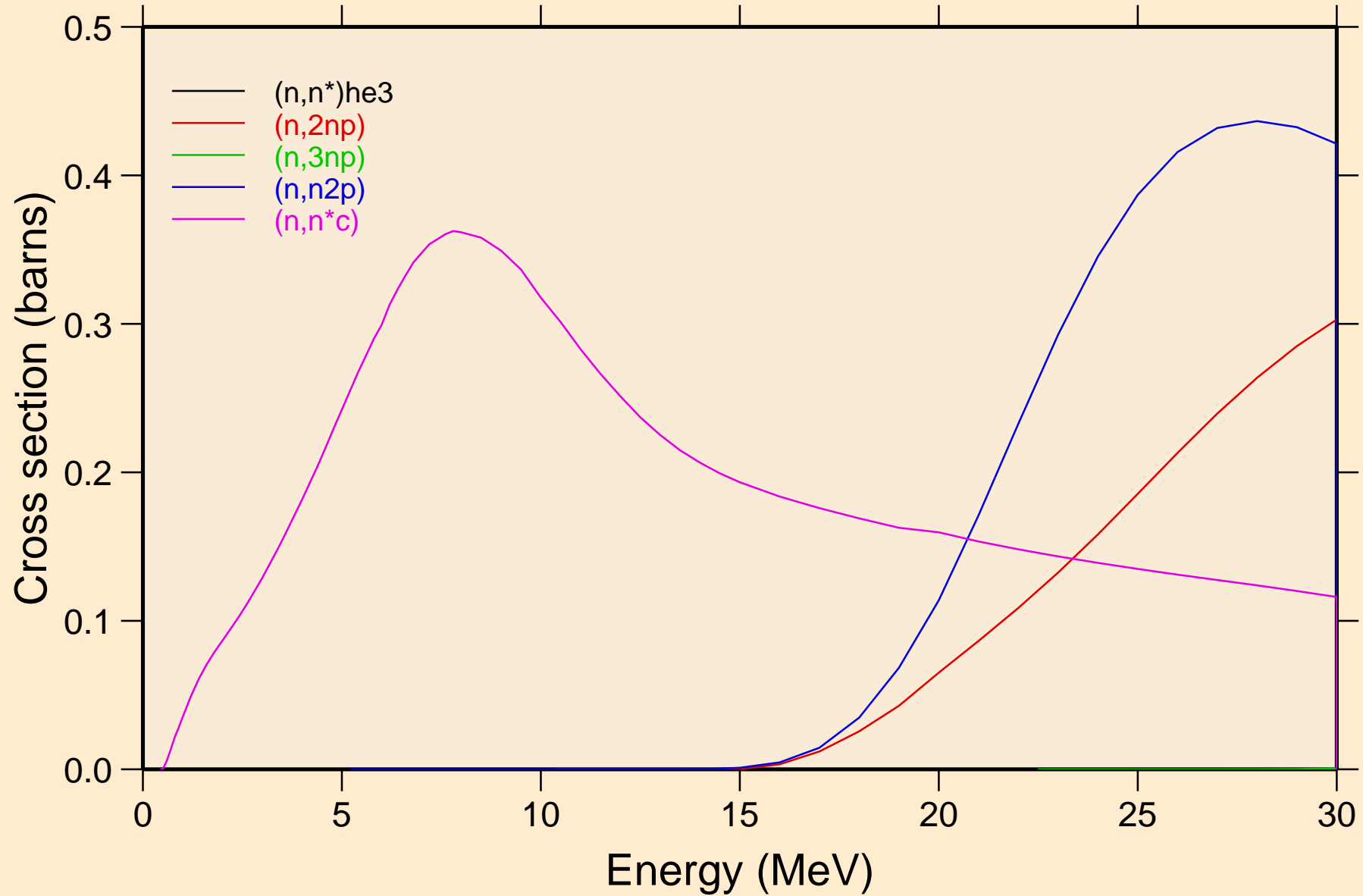
## Threshold reactions



EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions

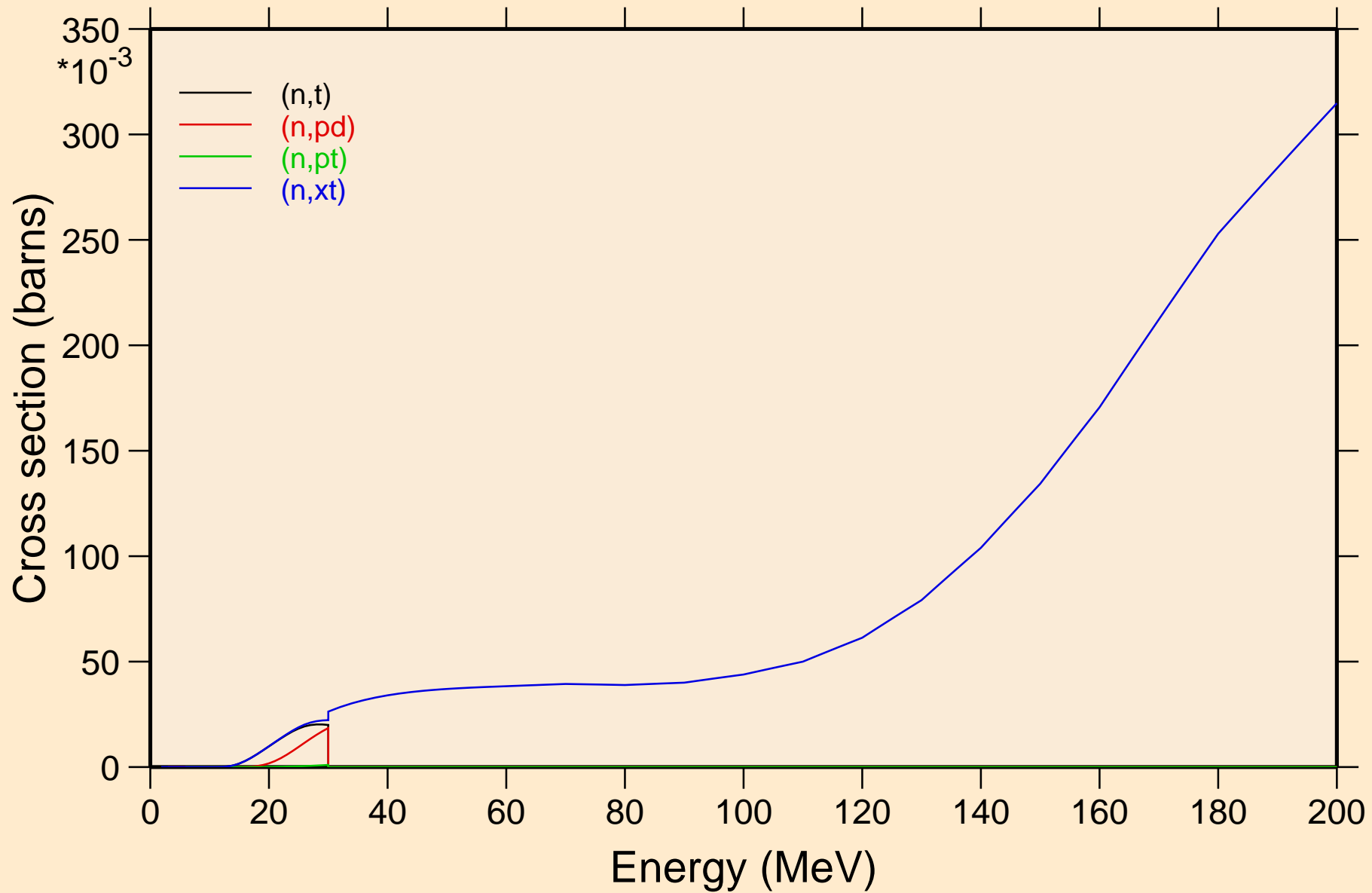


EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions

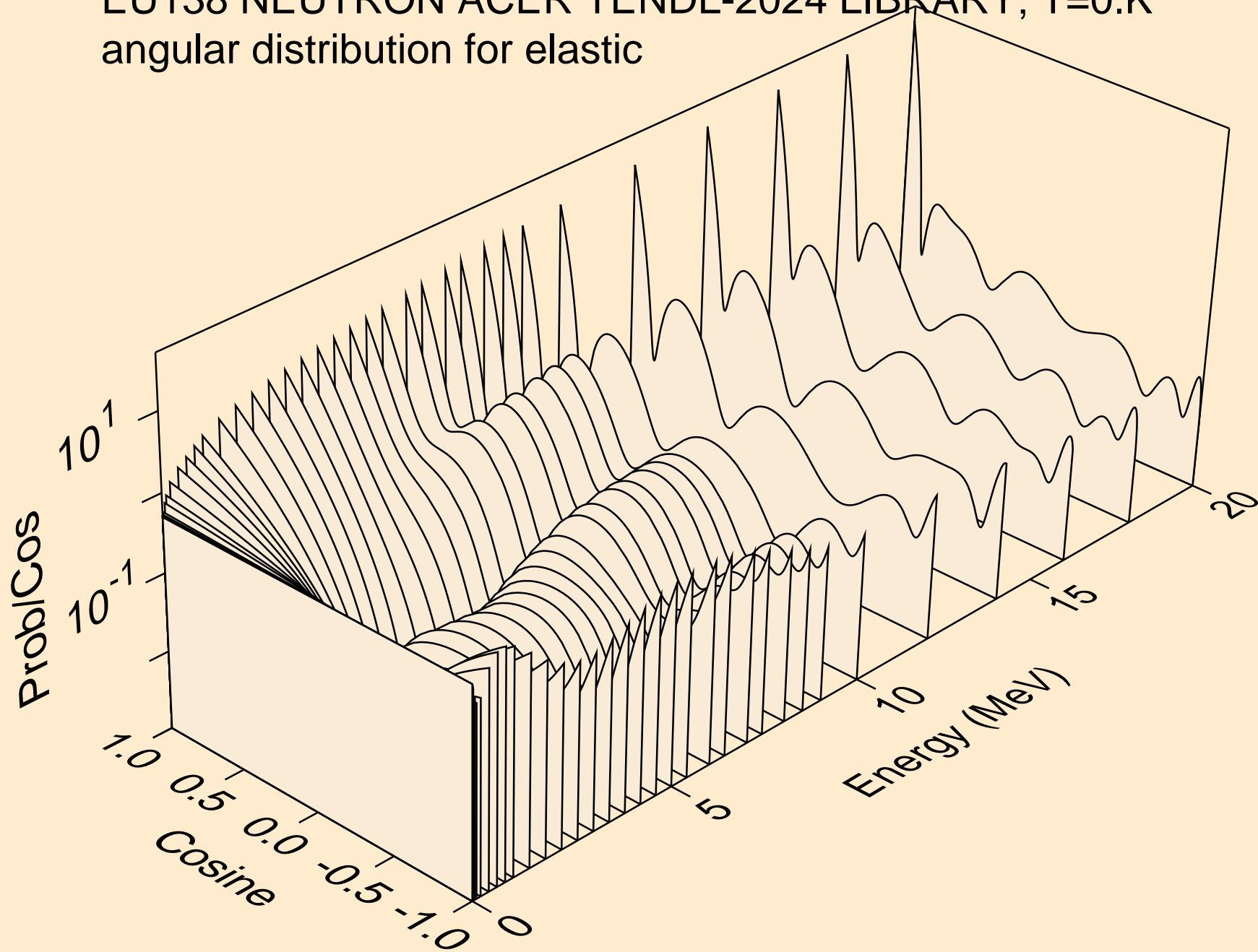


# EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

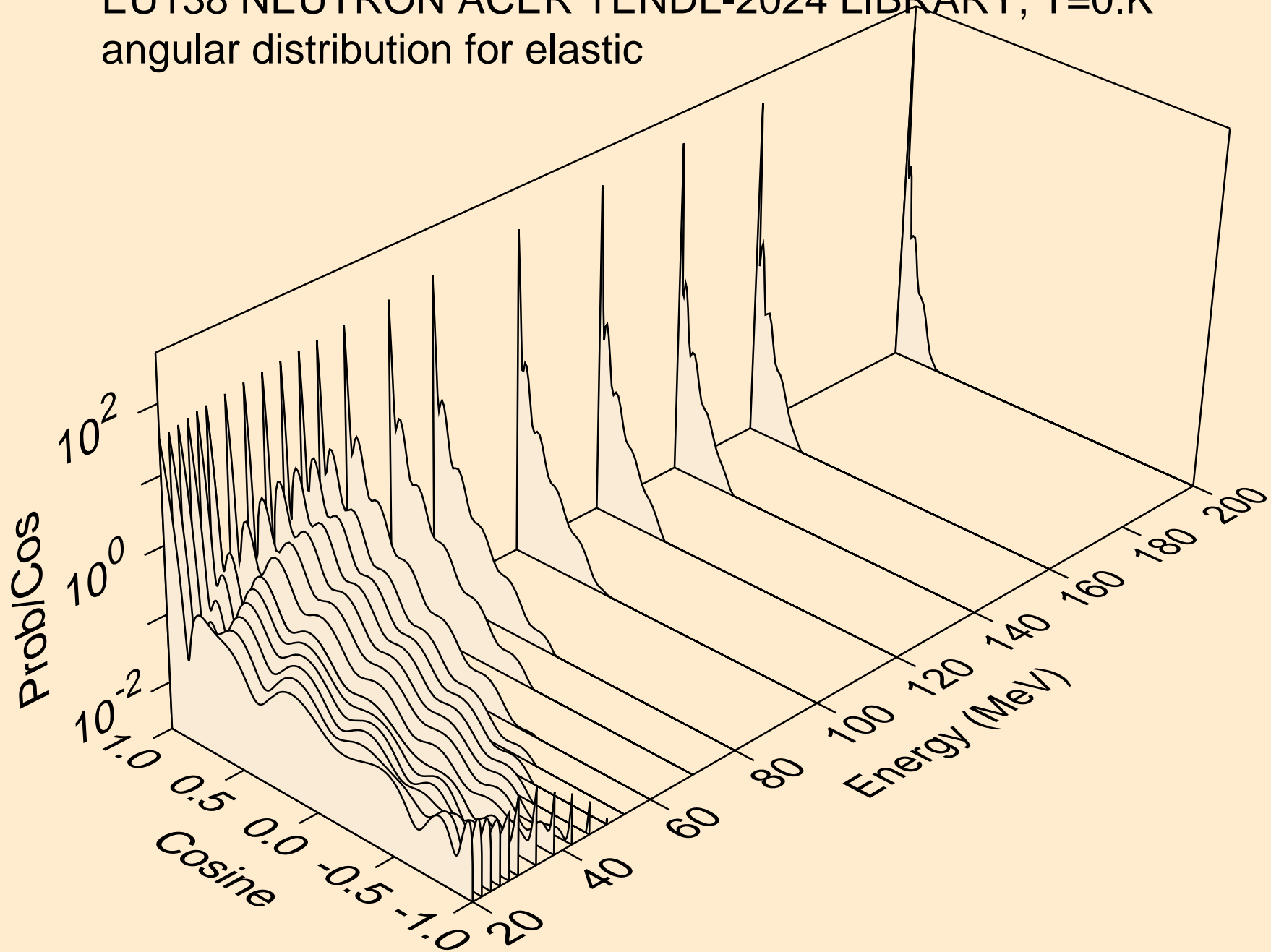
## Threshold reactions



EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic

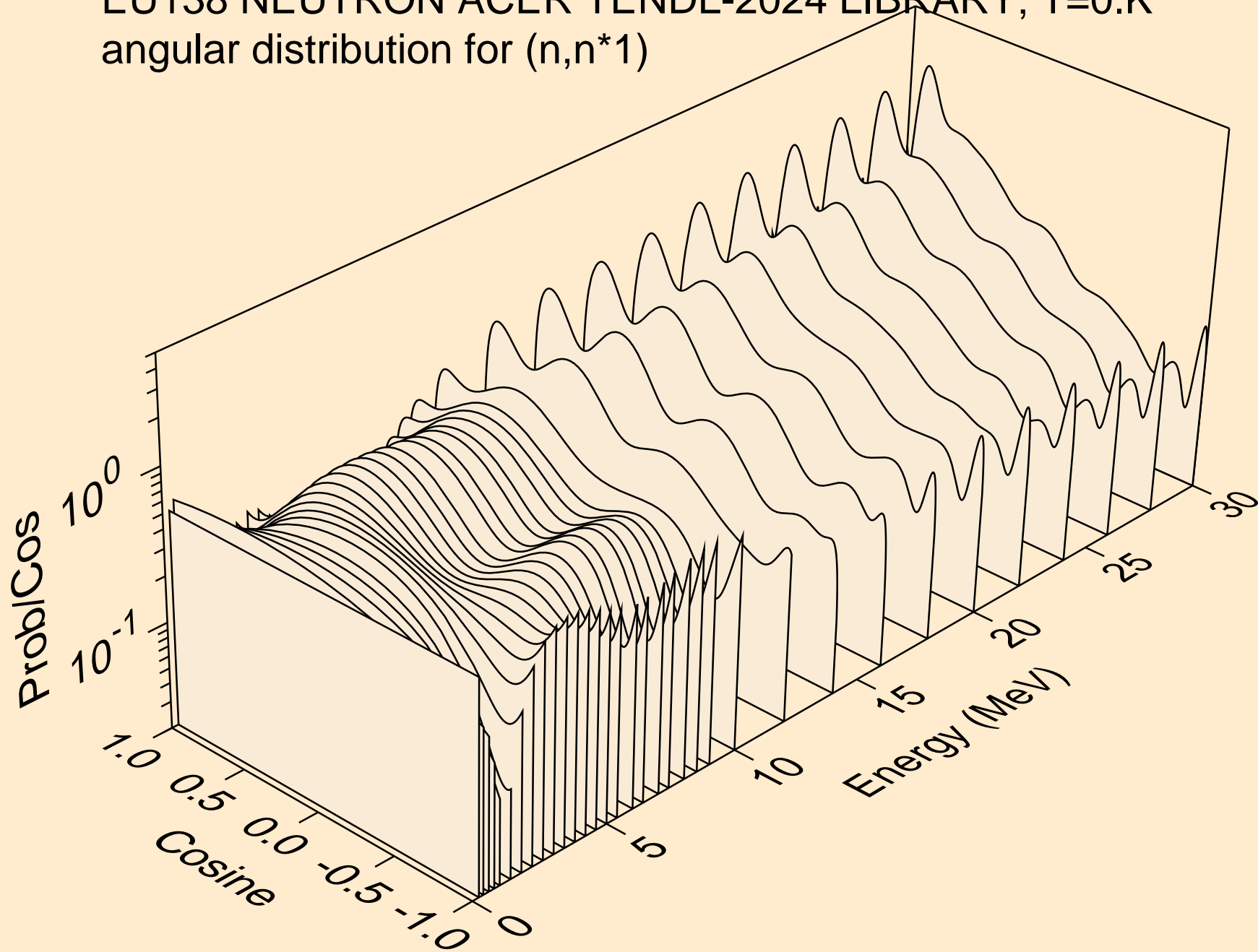


EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic

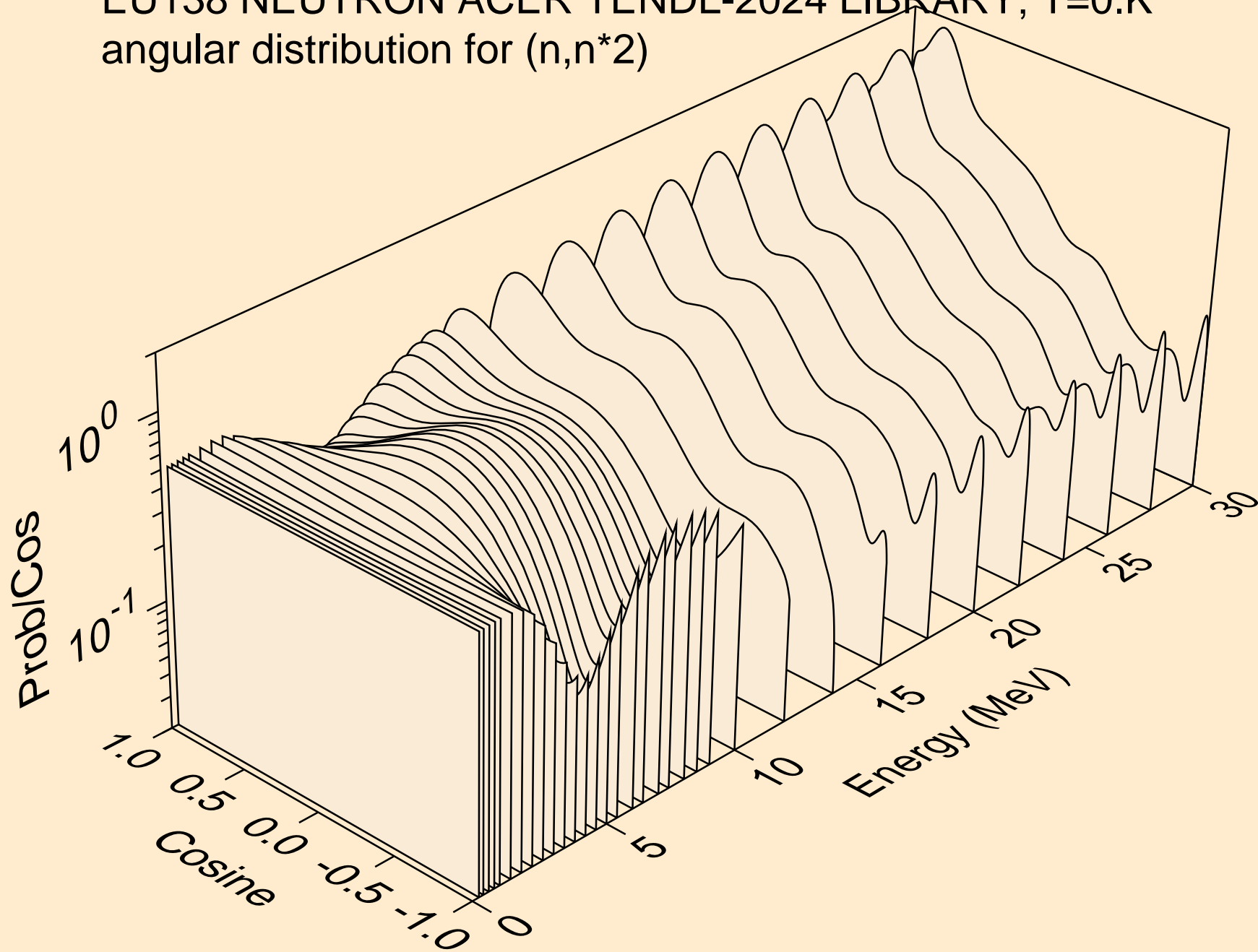




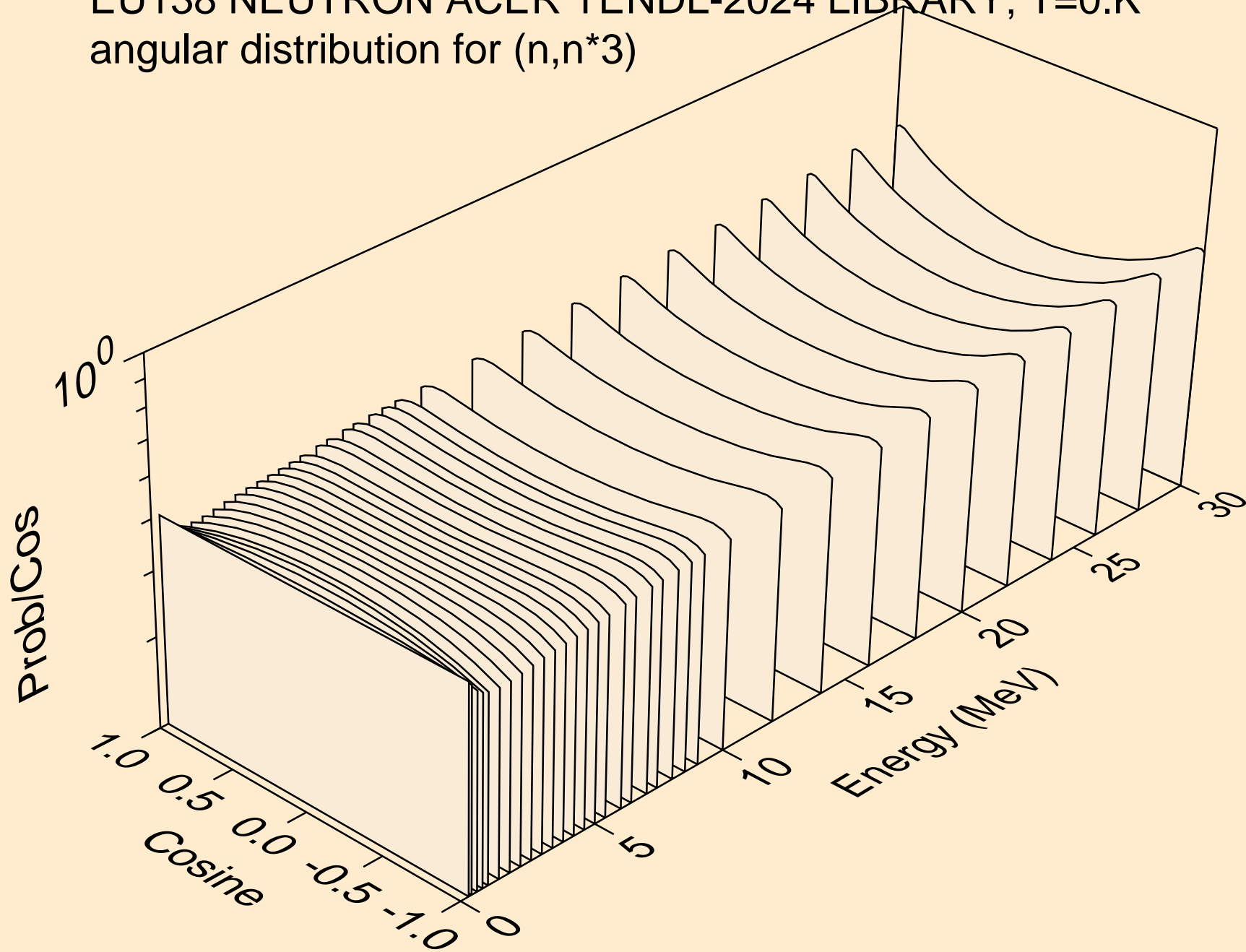
EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



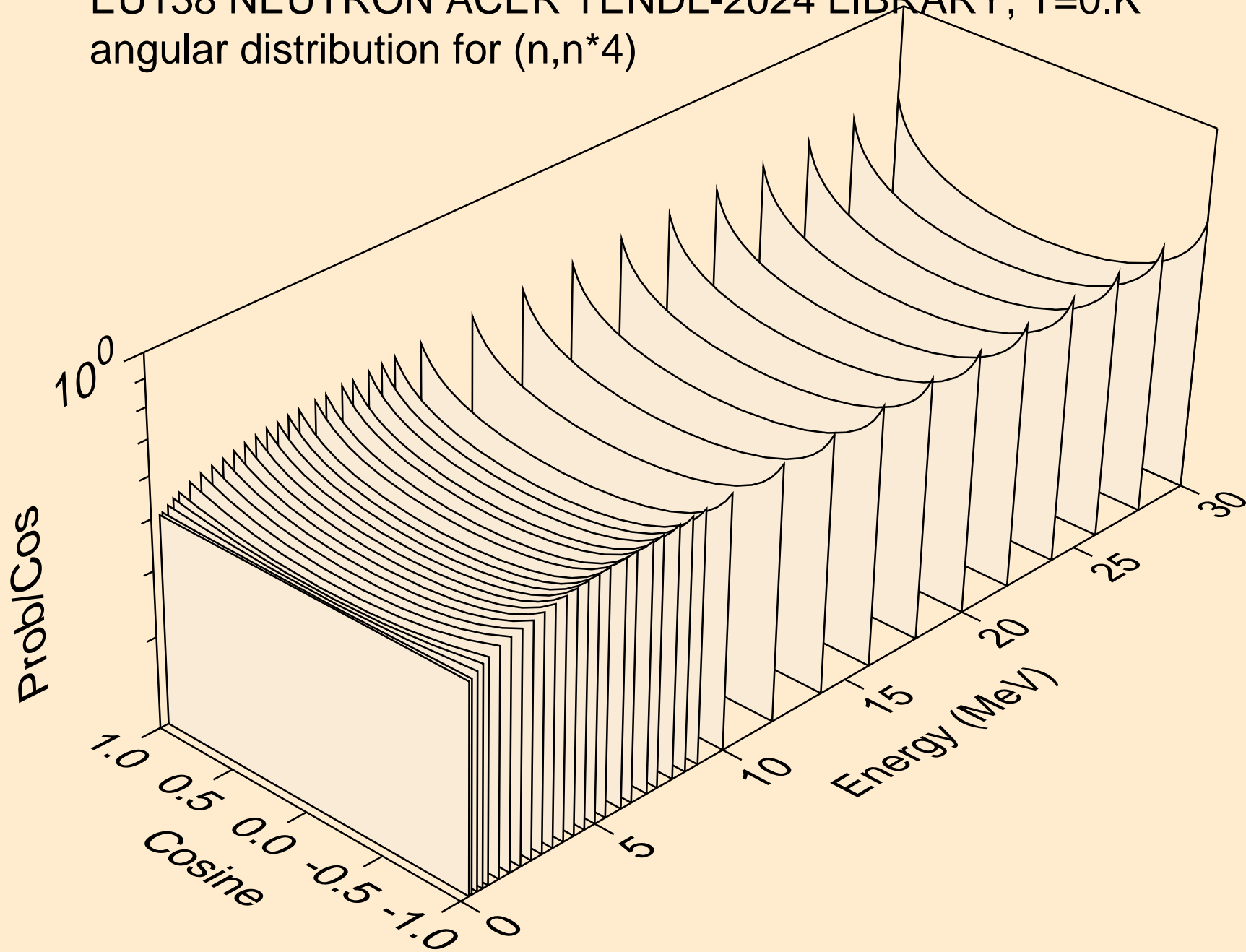
EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*2)



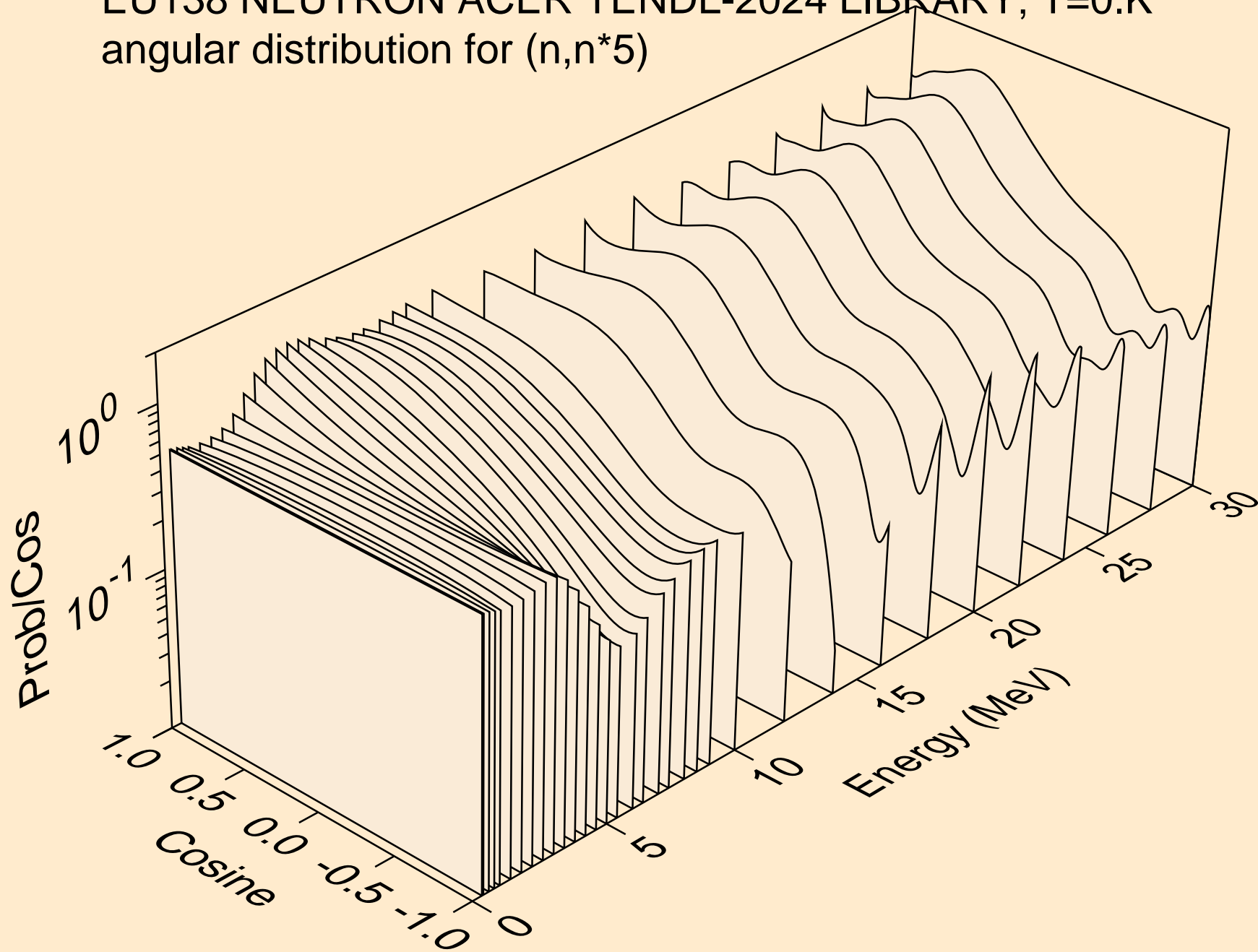
EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*3)



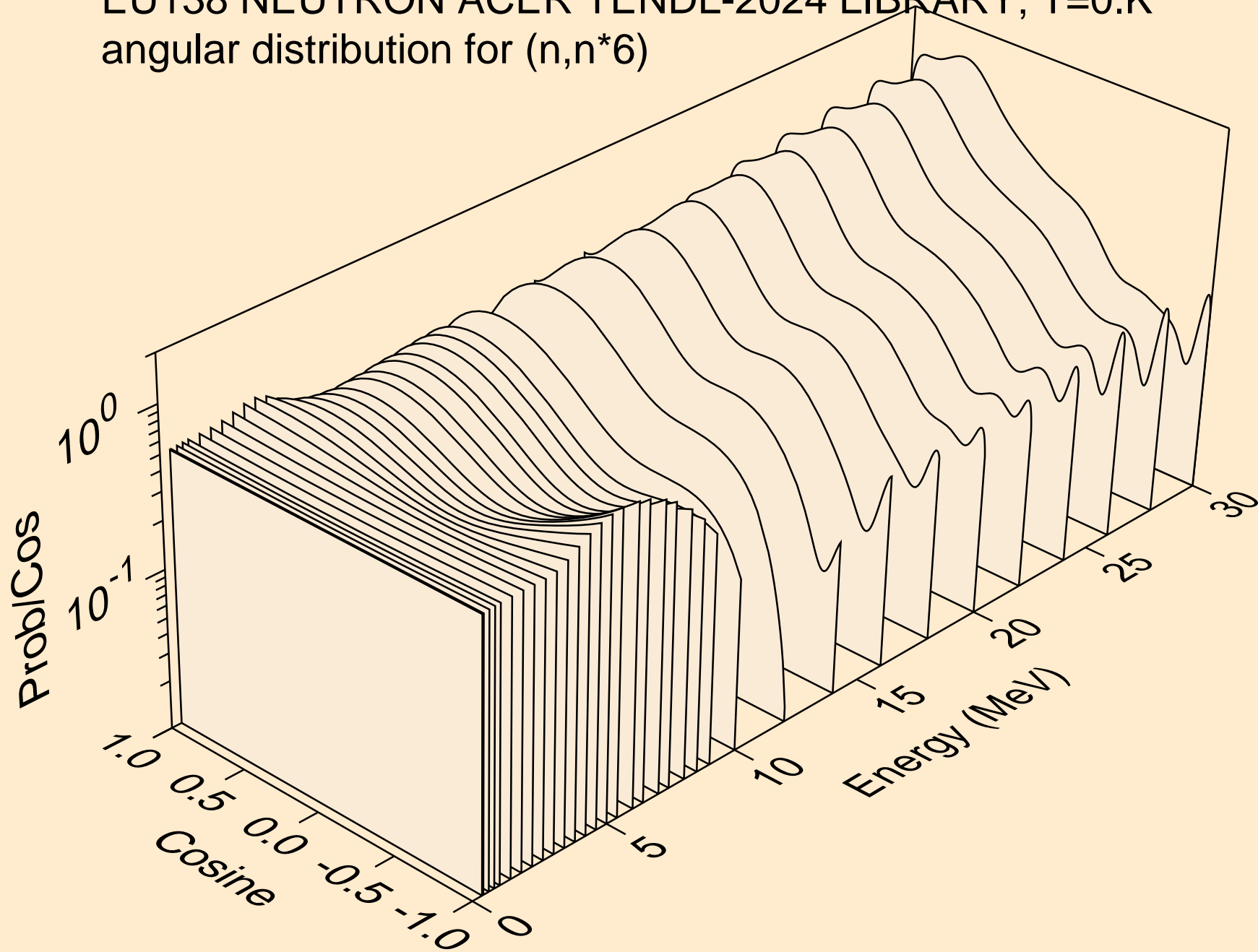
EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*4)



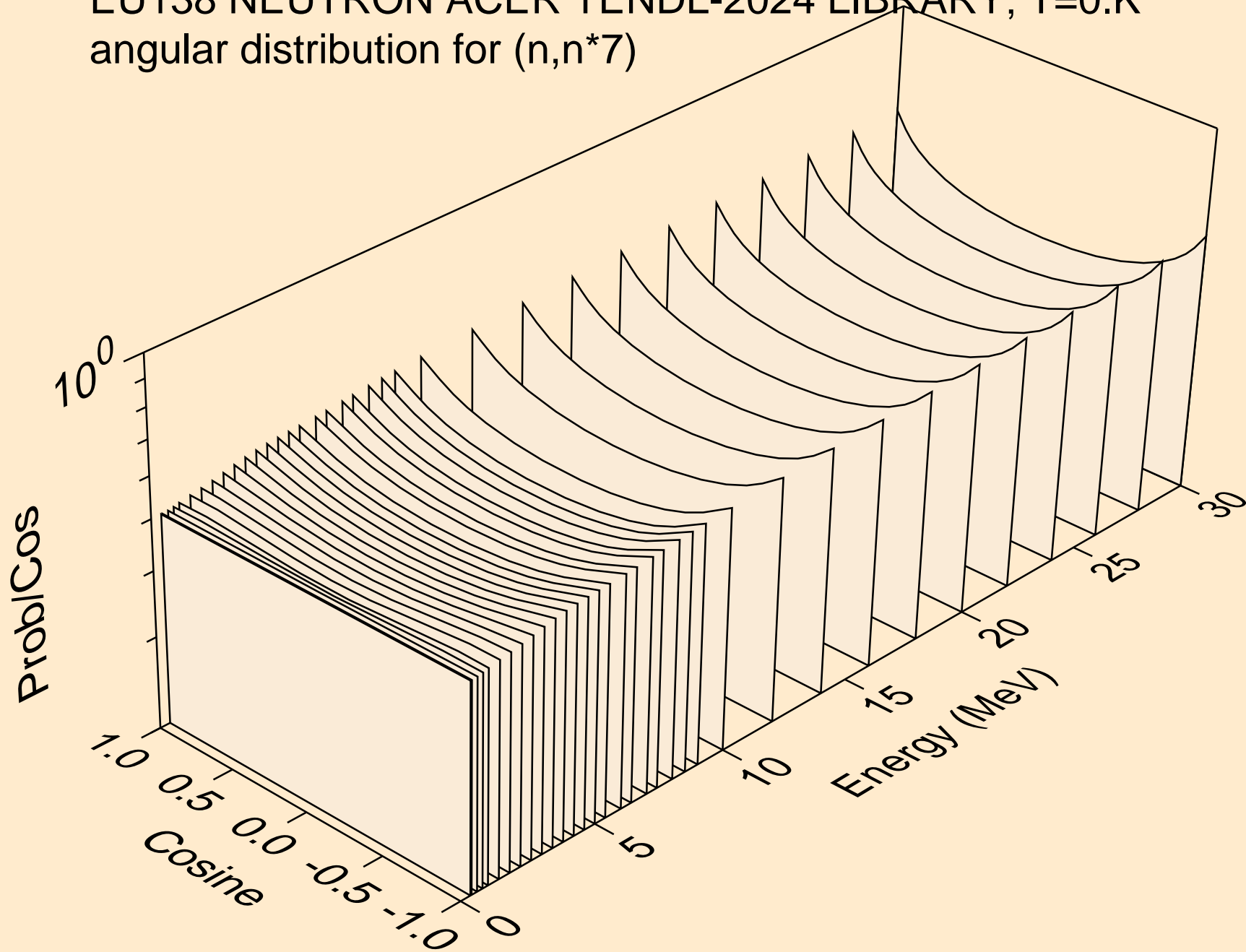
EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*5)



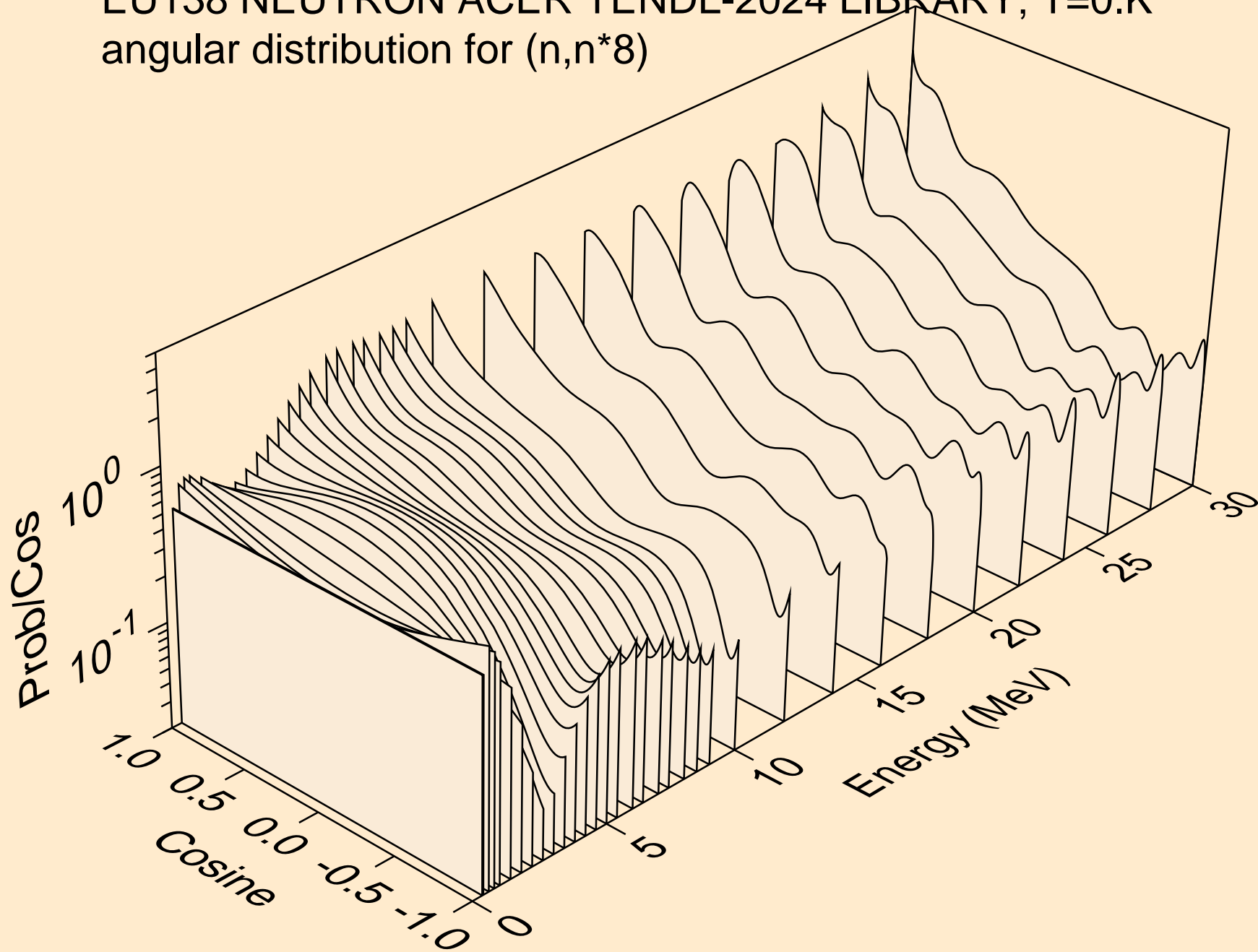
EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*6)



EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*7)

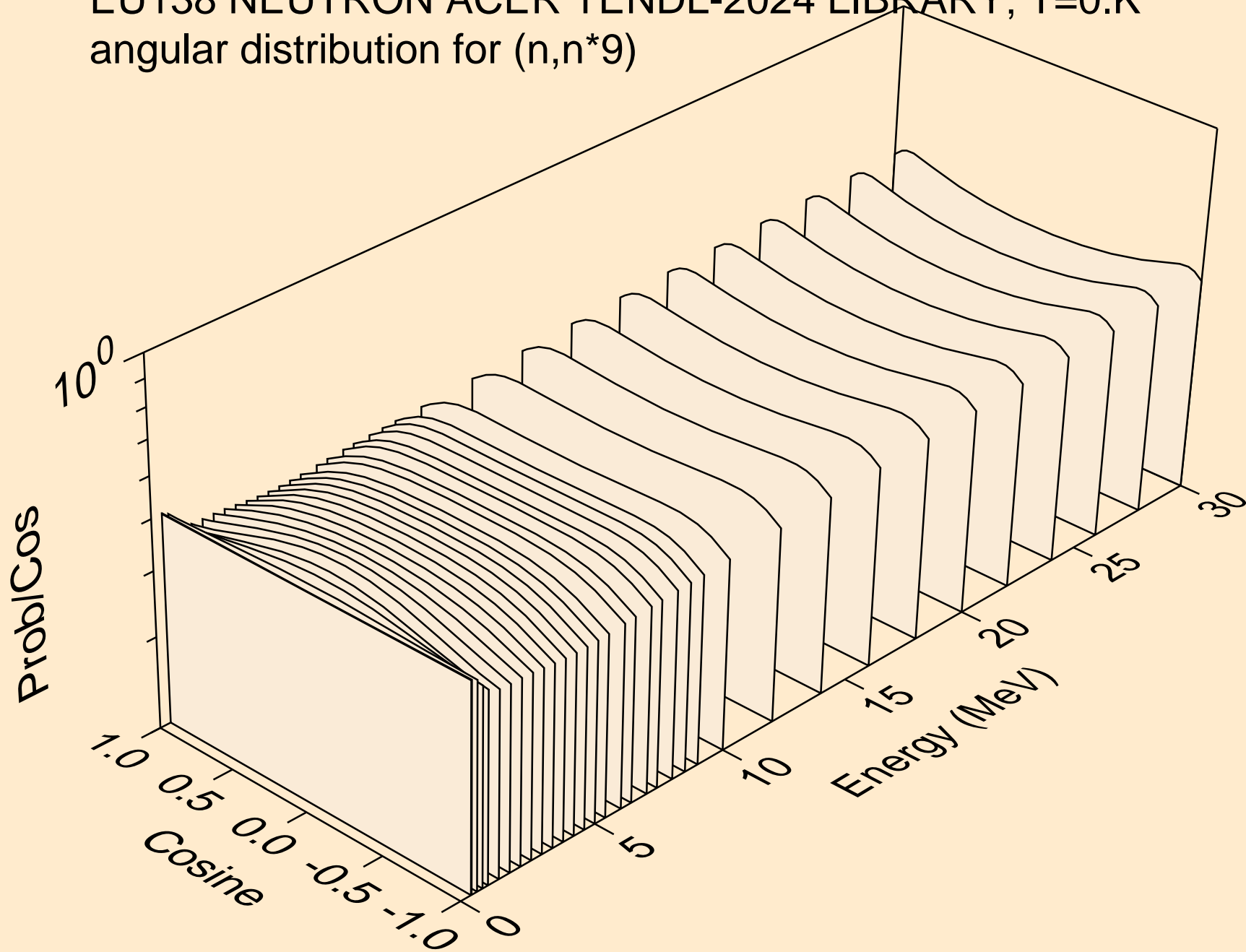


EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*8)

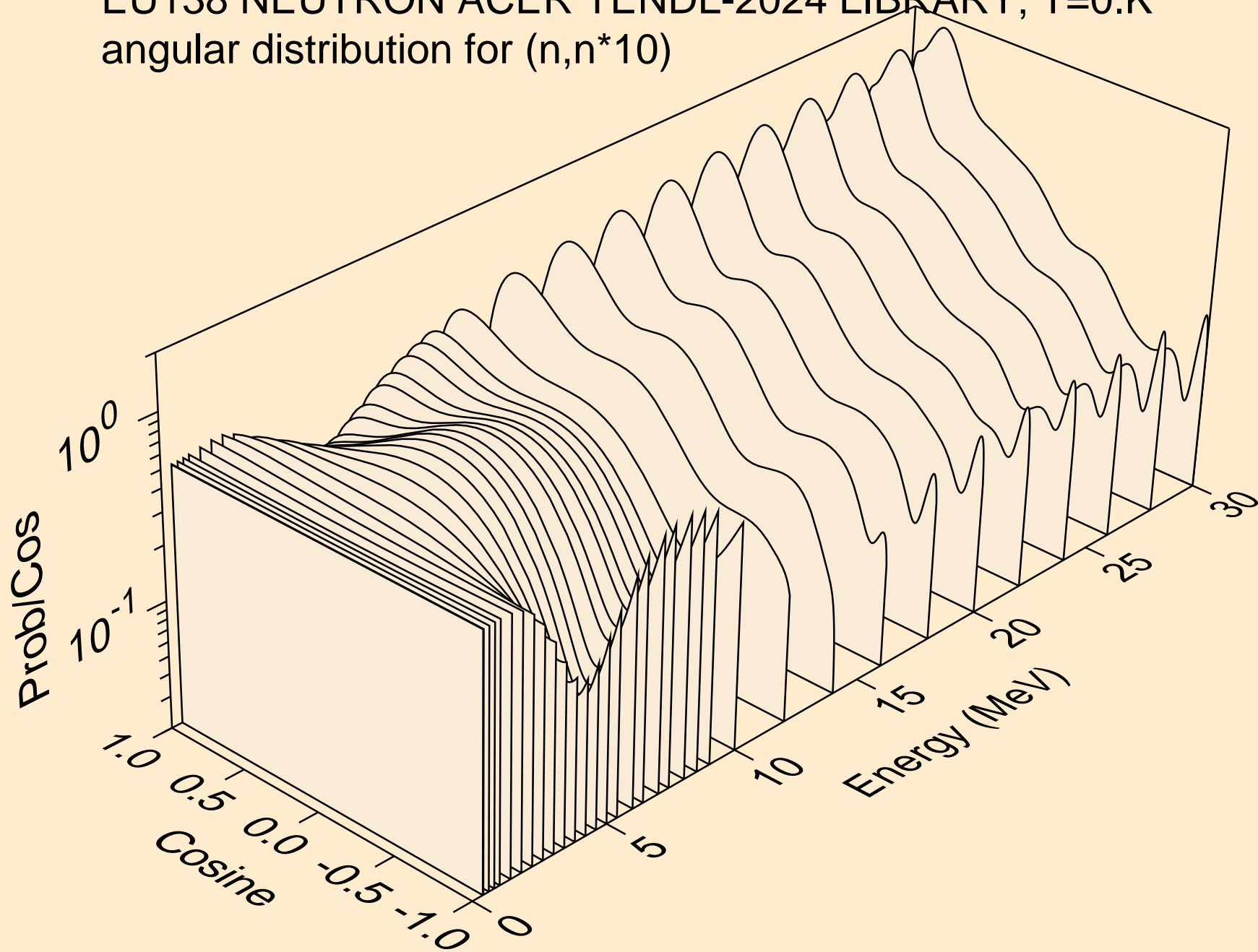




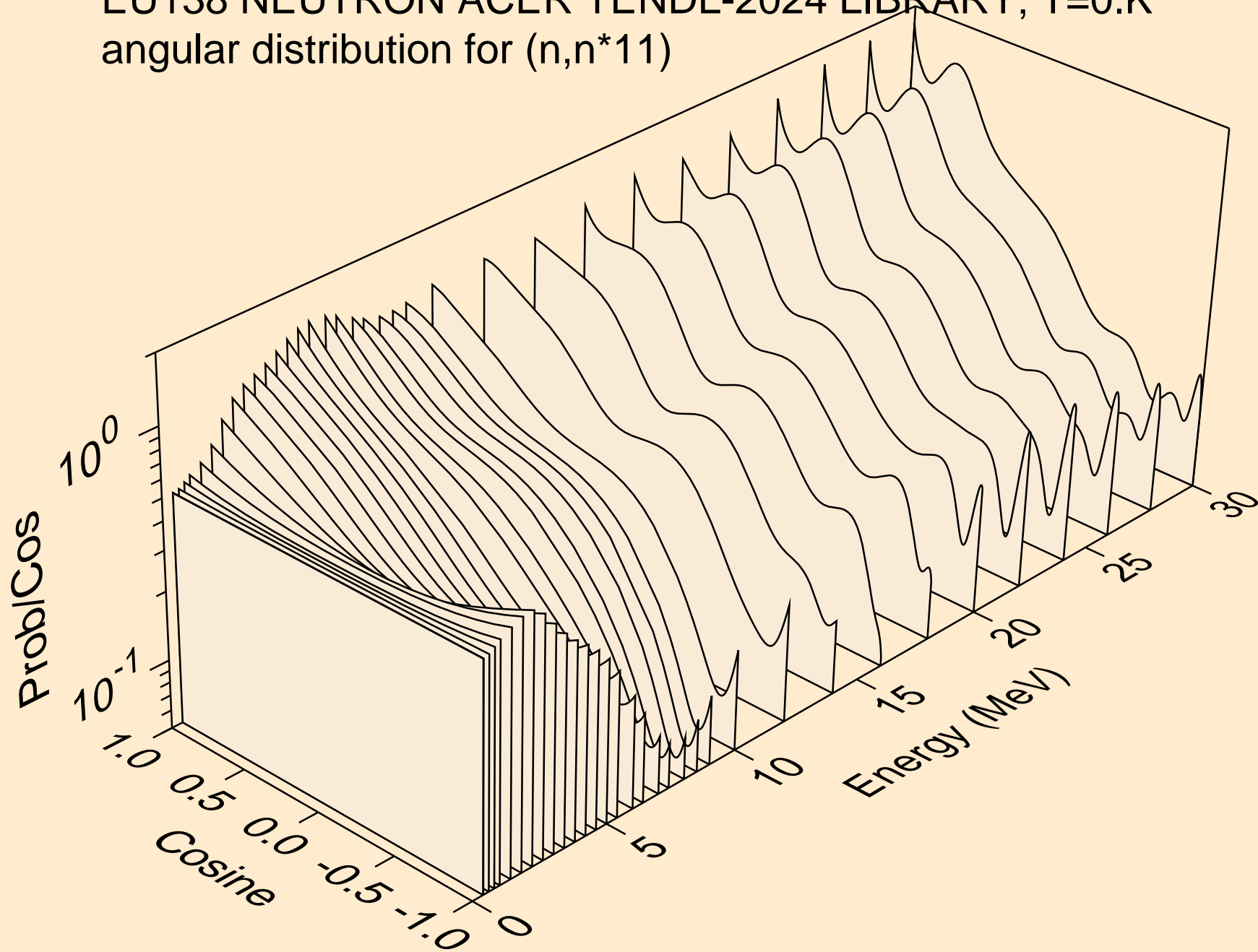
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angular distribution for (n,n\*9)



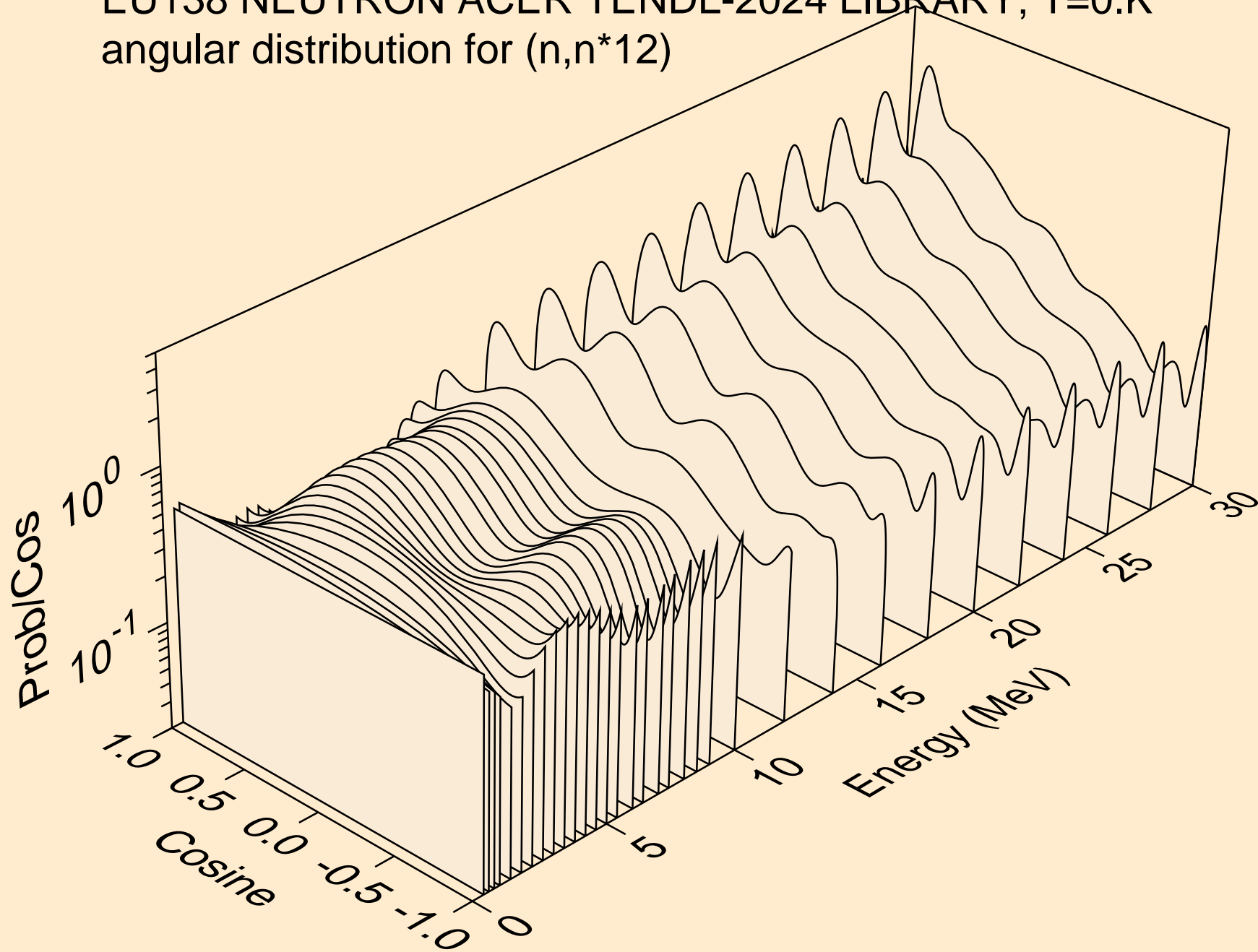
EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*10)



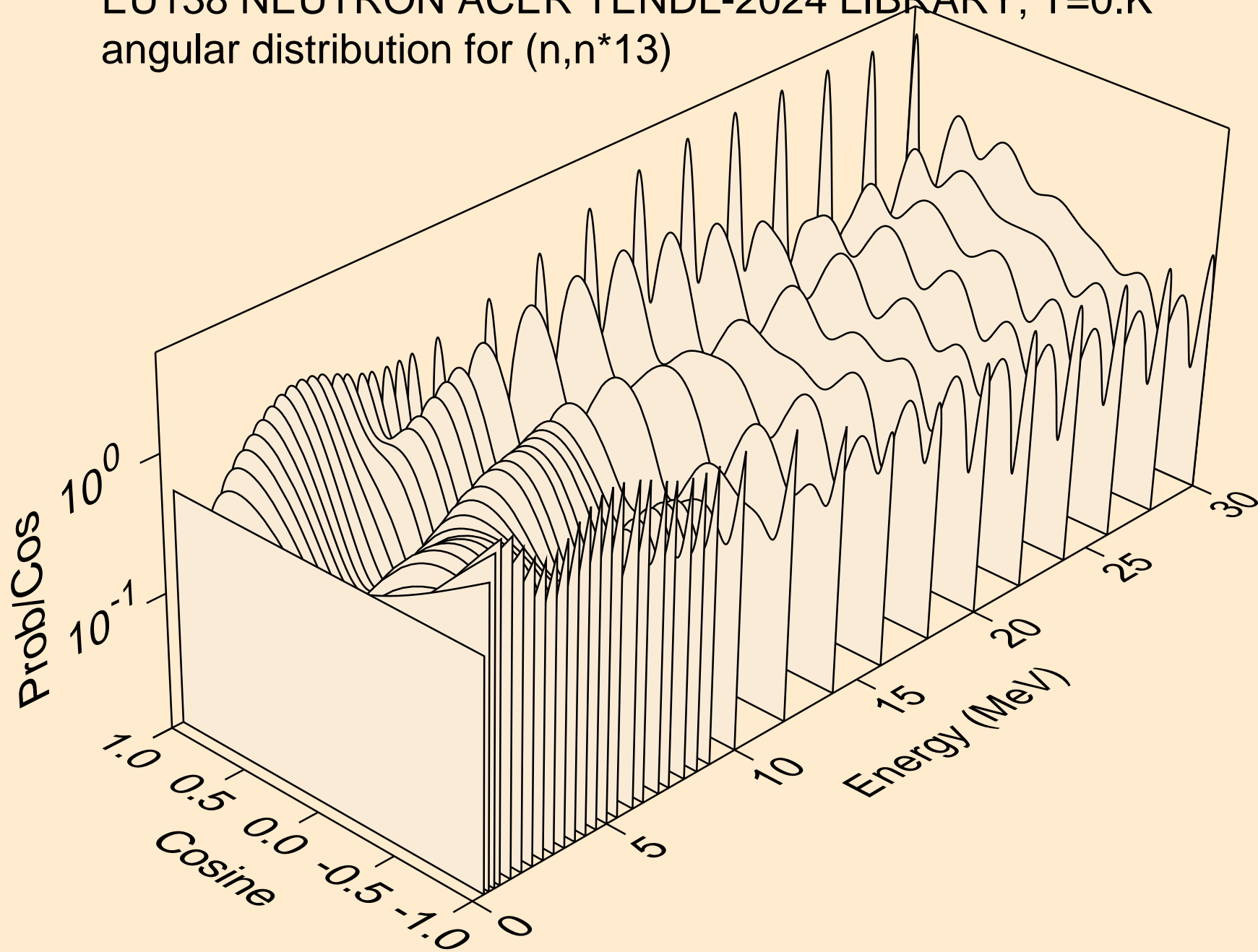
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angular distribution for (n,n\*11)



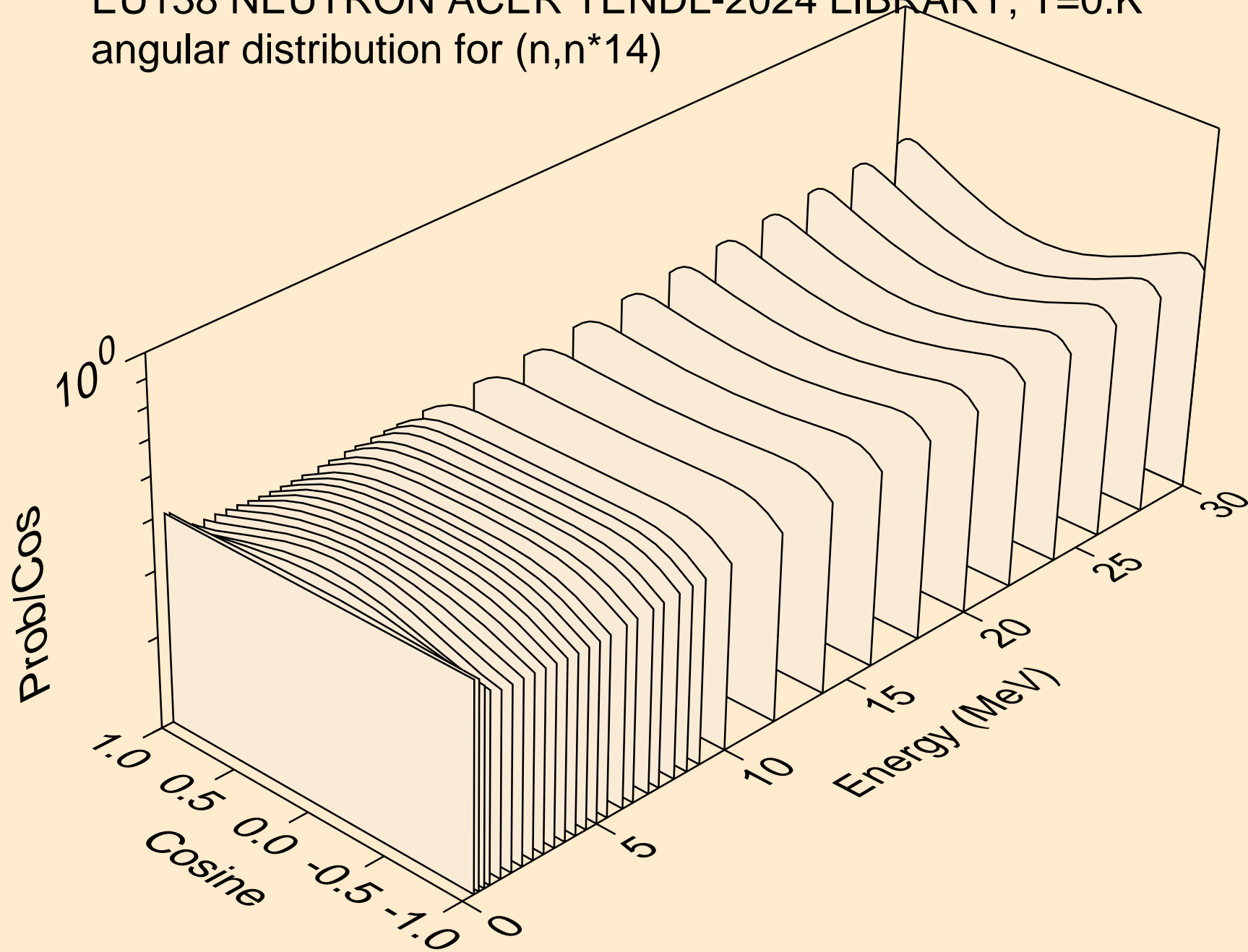
EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*12)



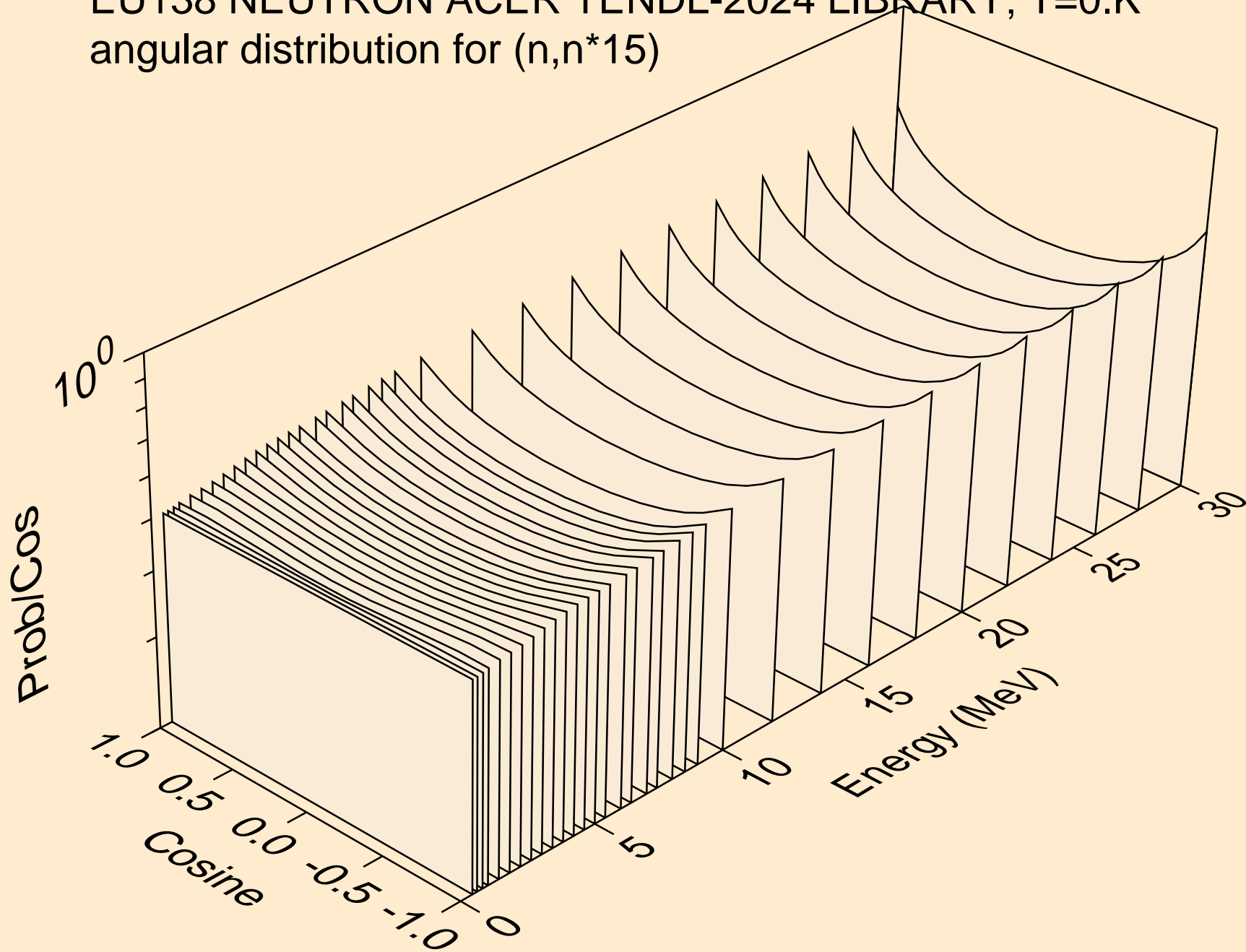
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angular distribution for (n,n\*13)



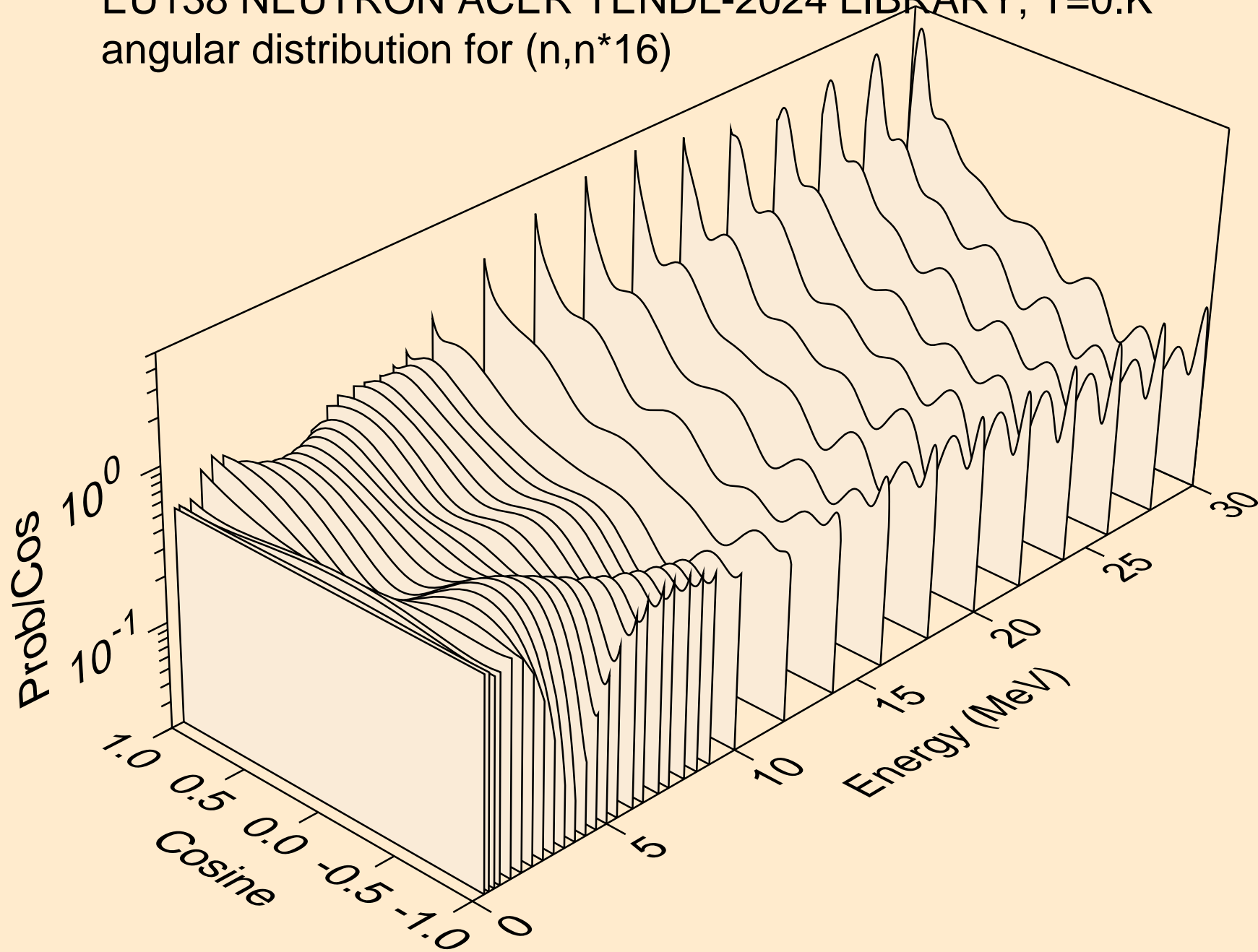
EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*14)



EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*15)

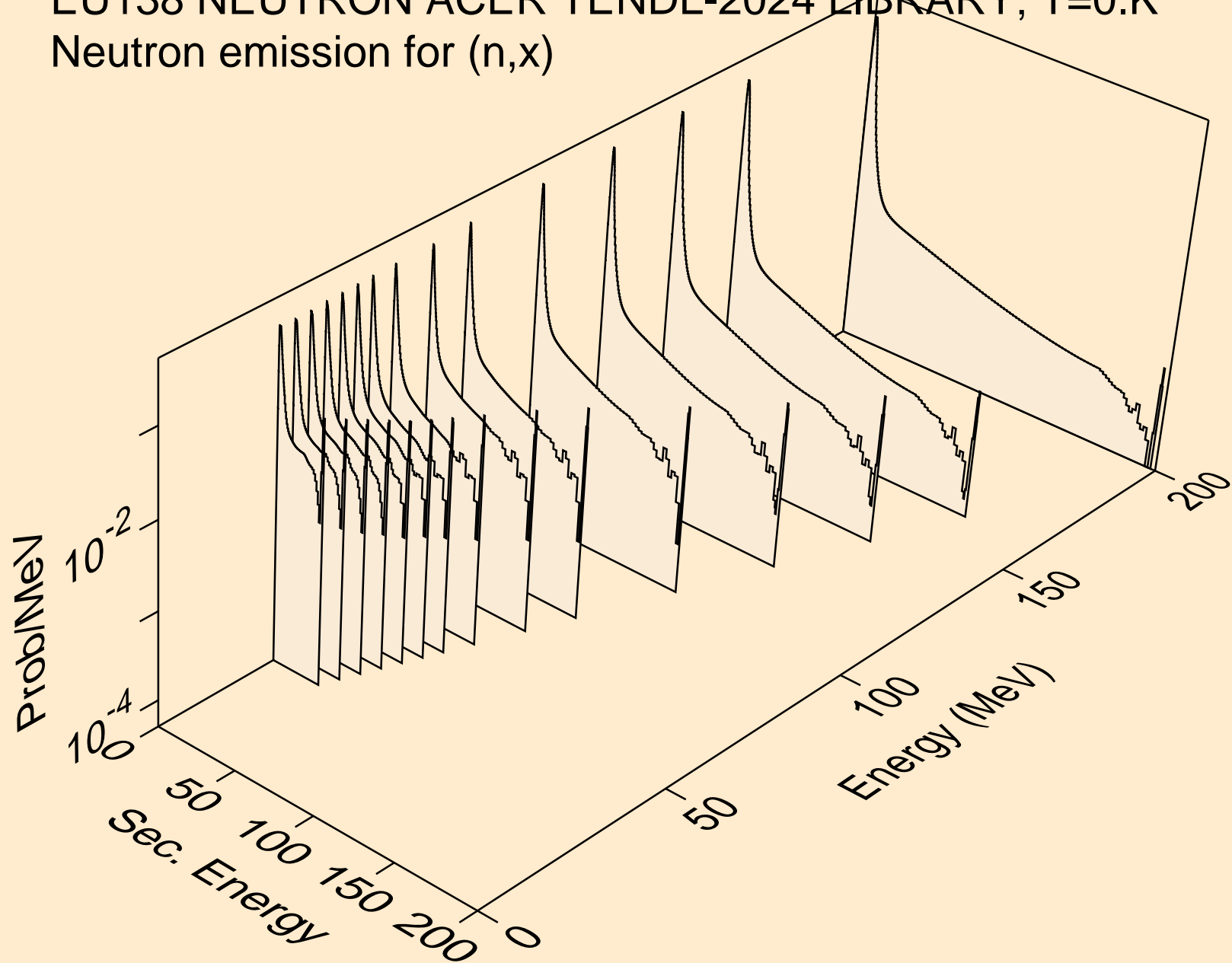


EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*16)

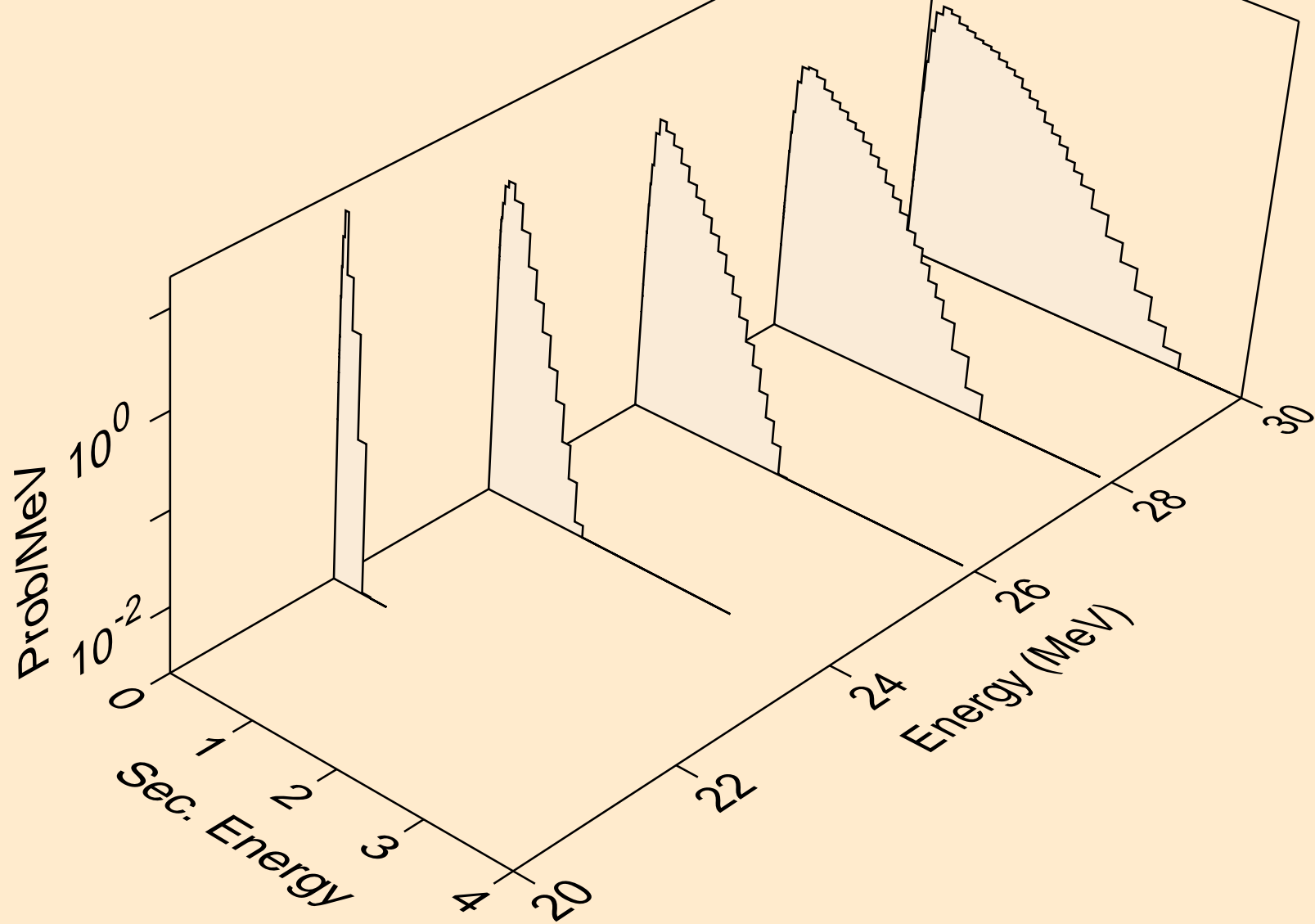




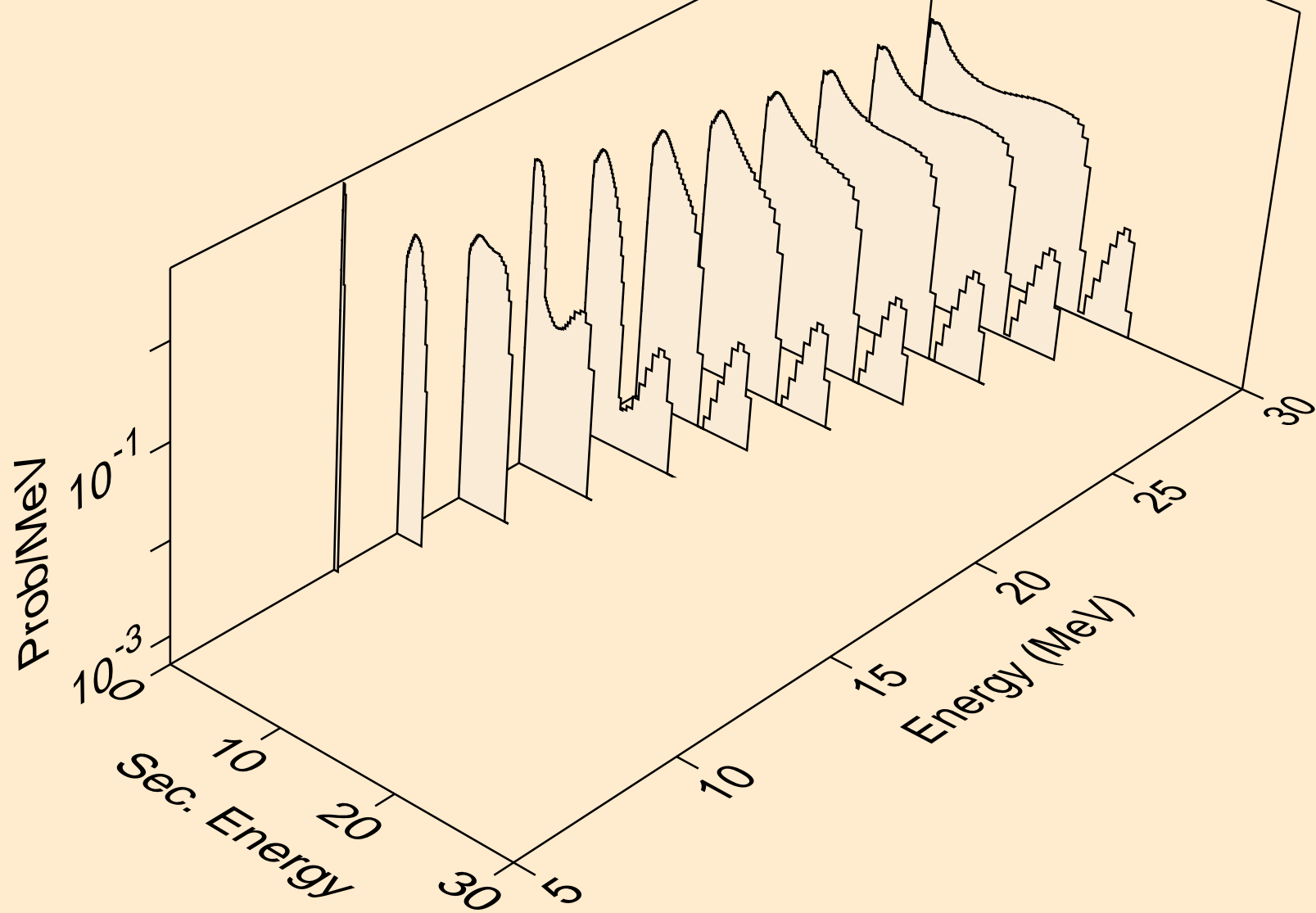
EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,x)



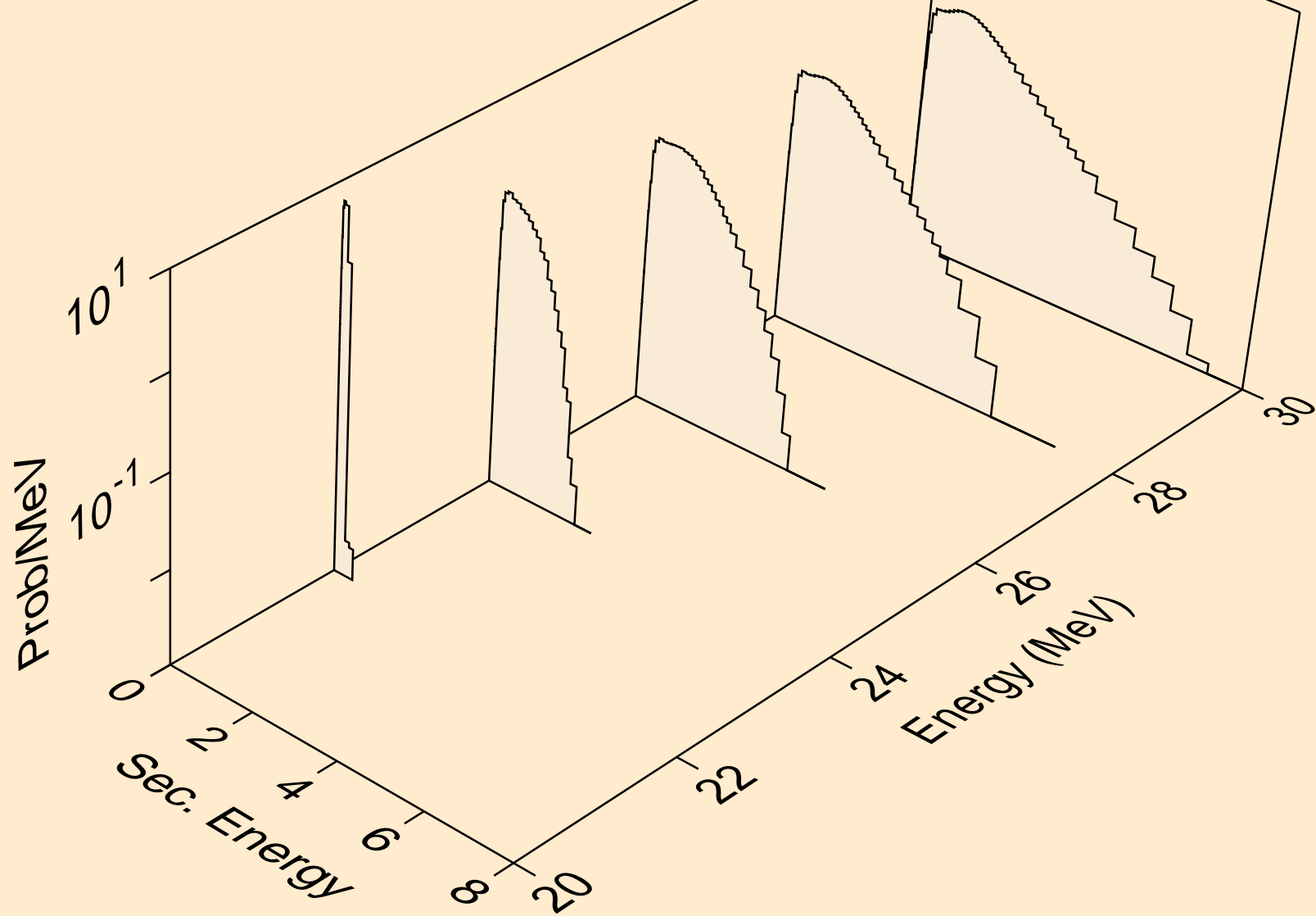
EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



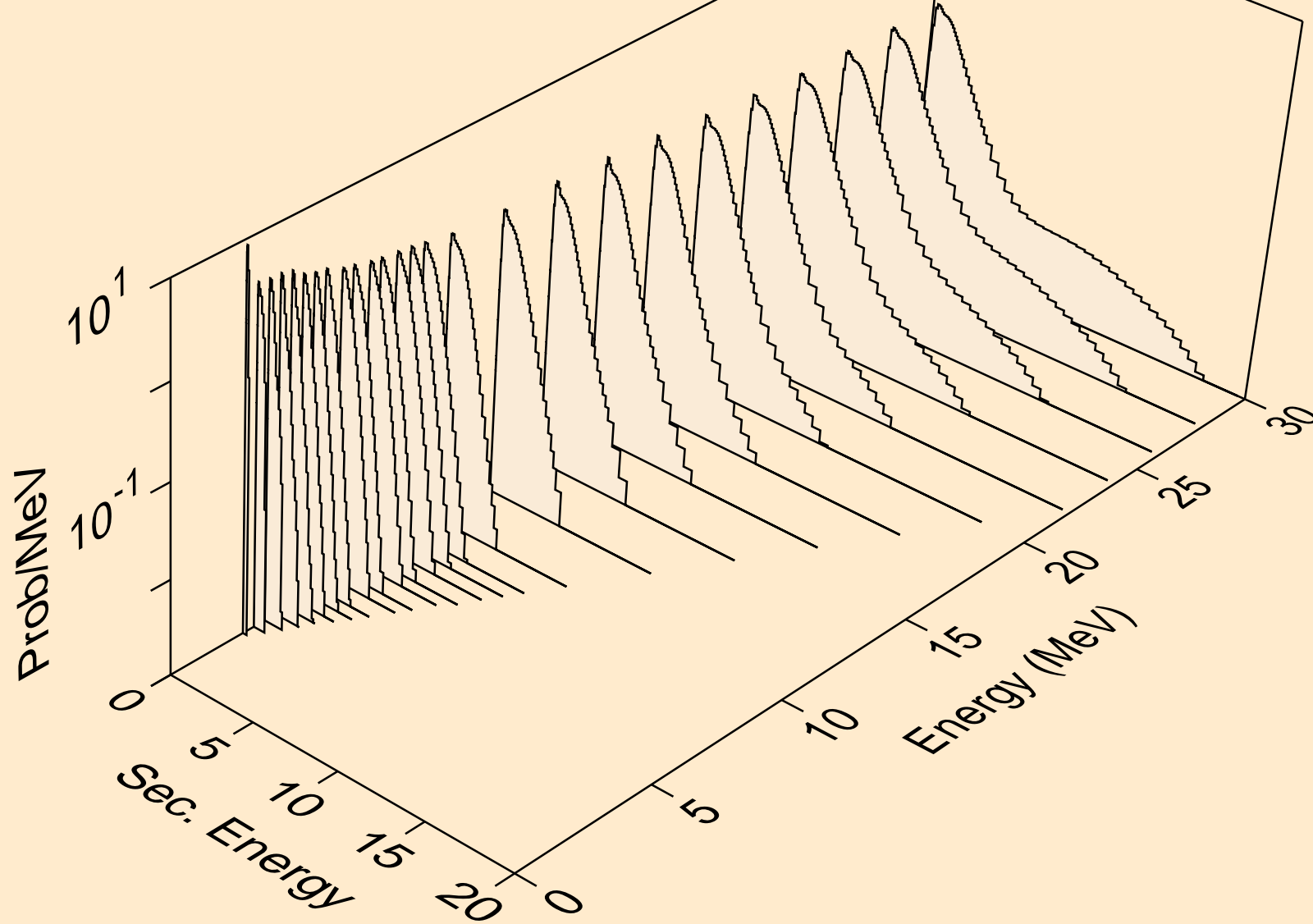
EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)



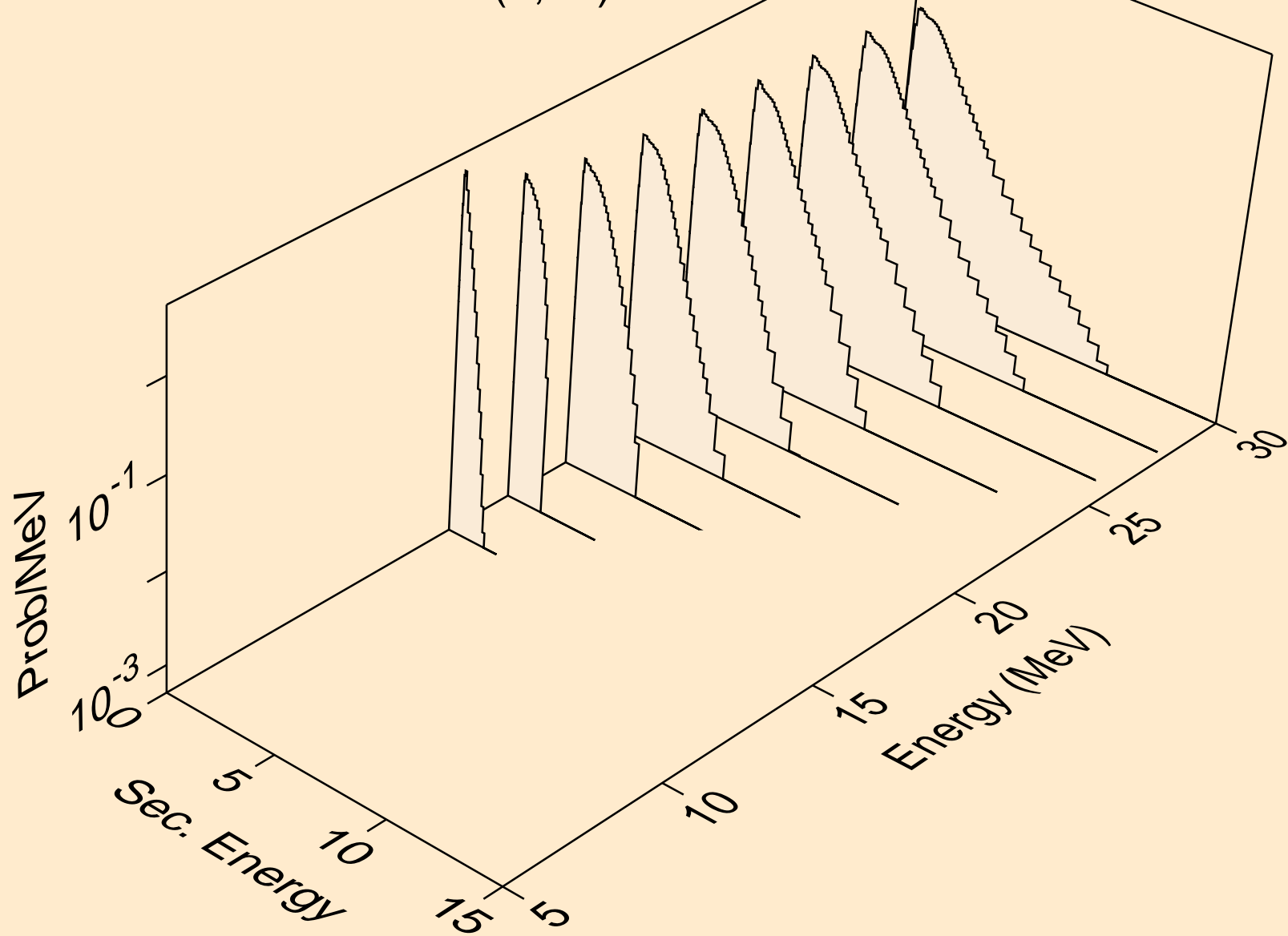
EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)



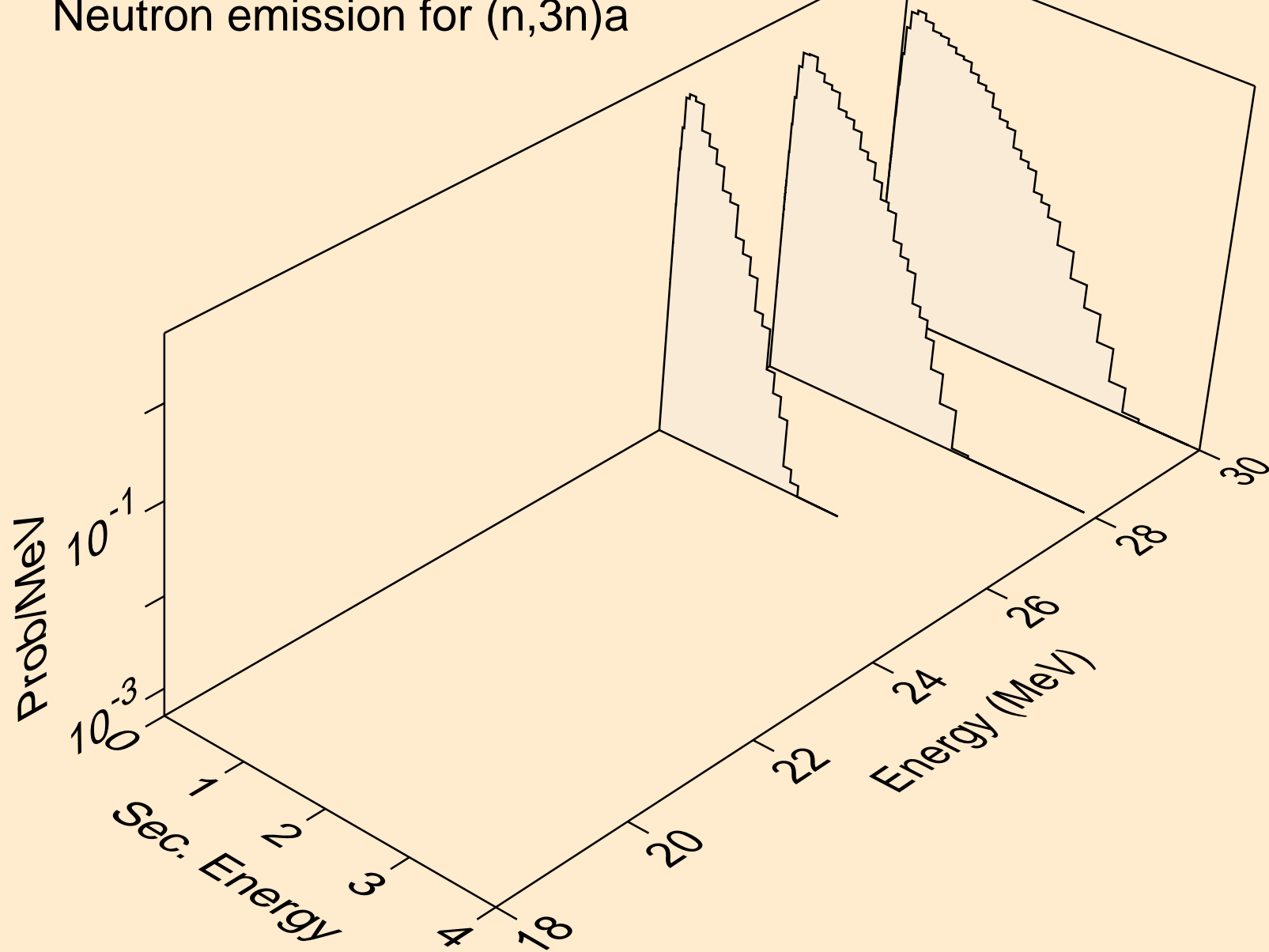
EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



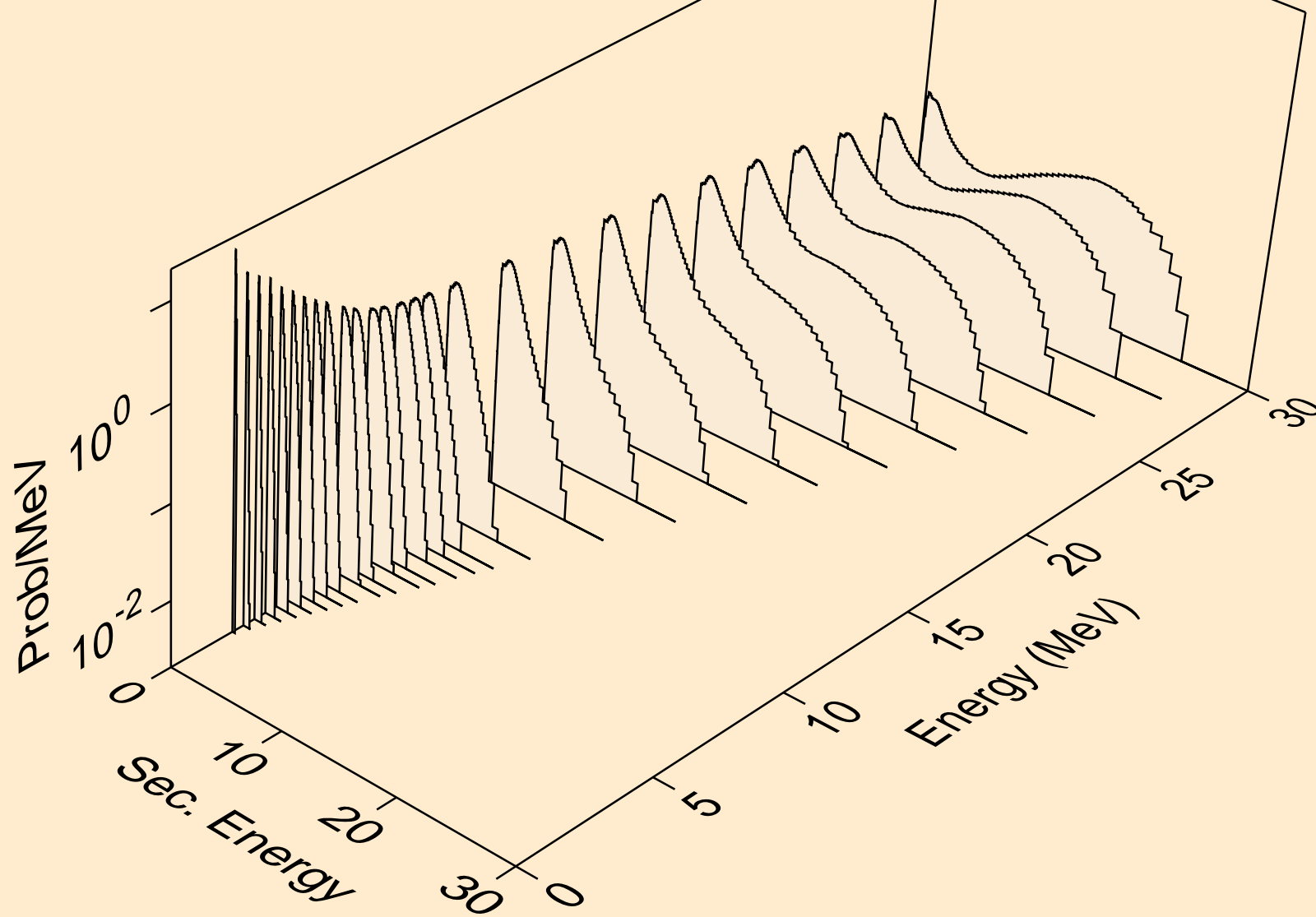
EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)a



EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)a

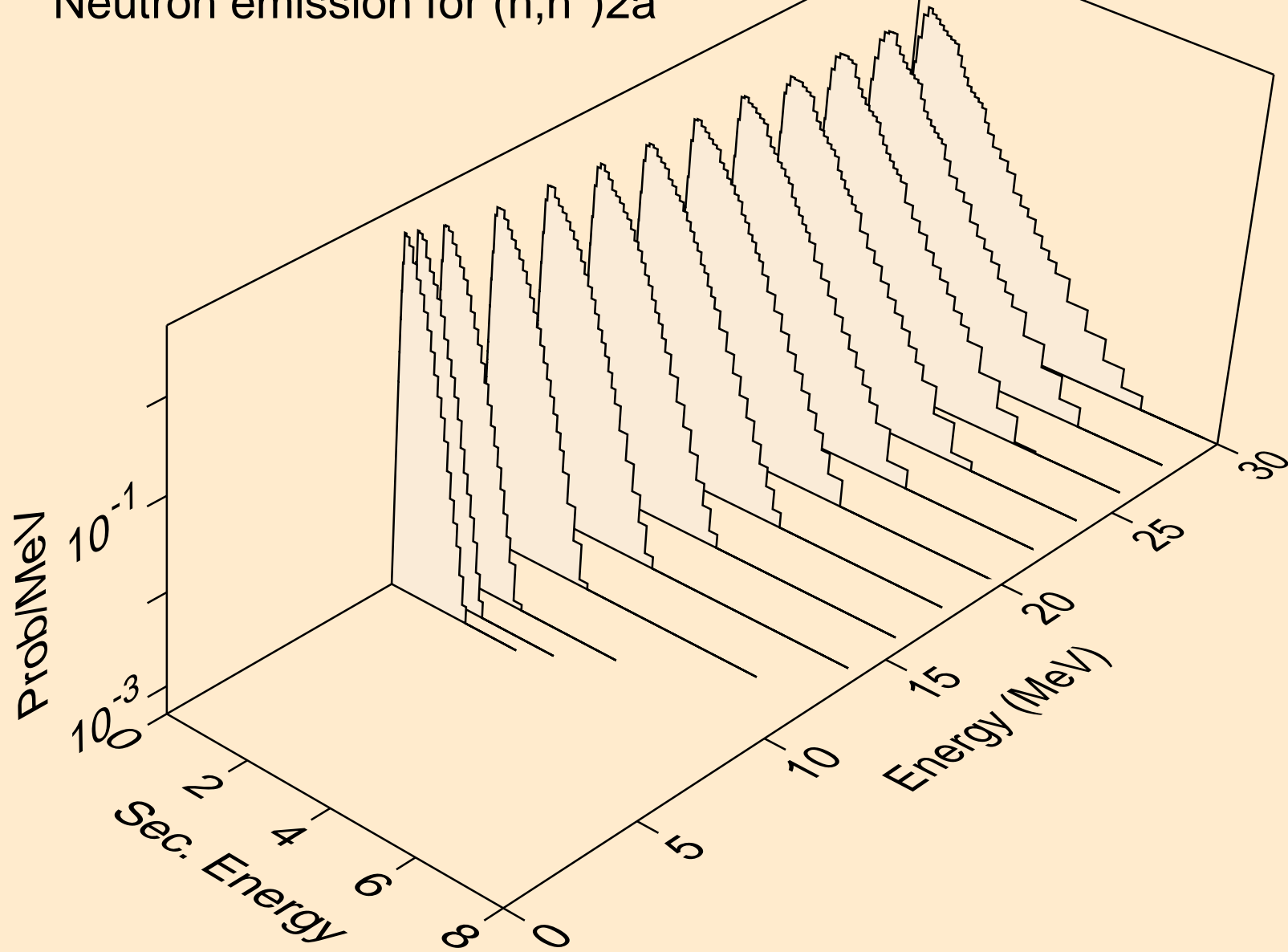


EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p

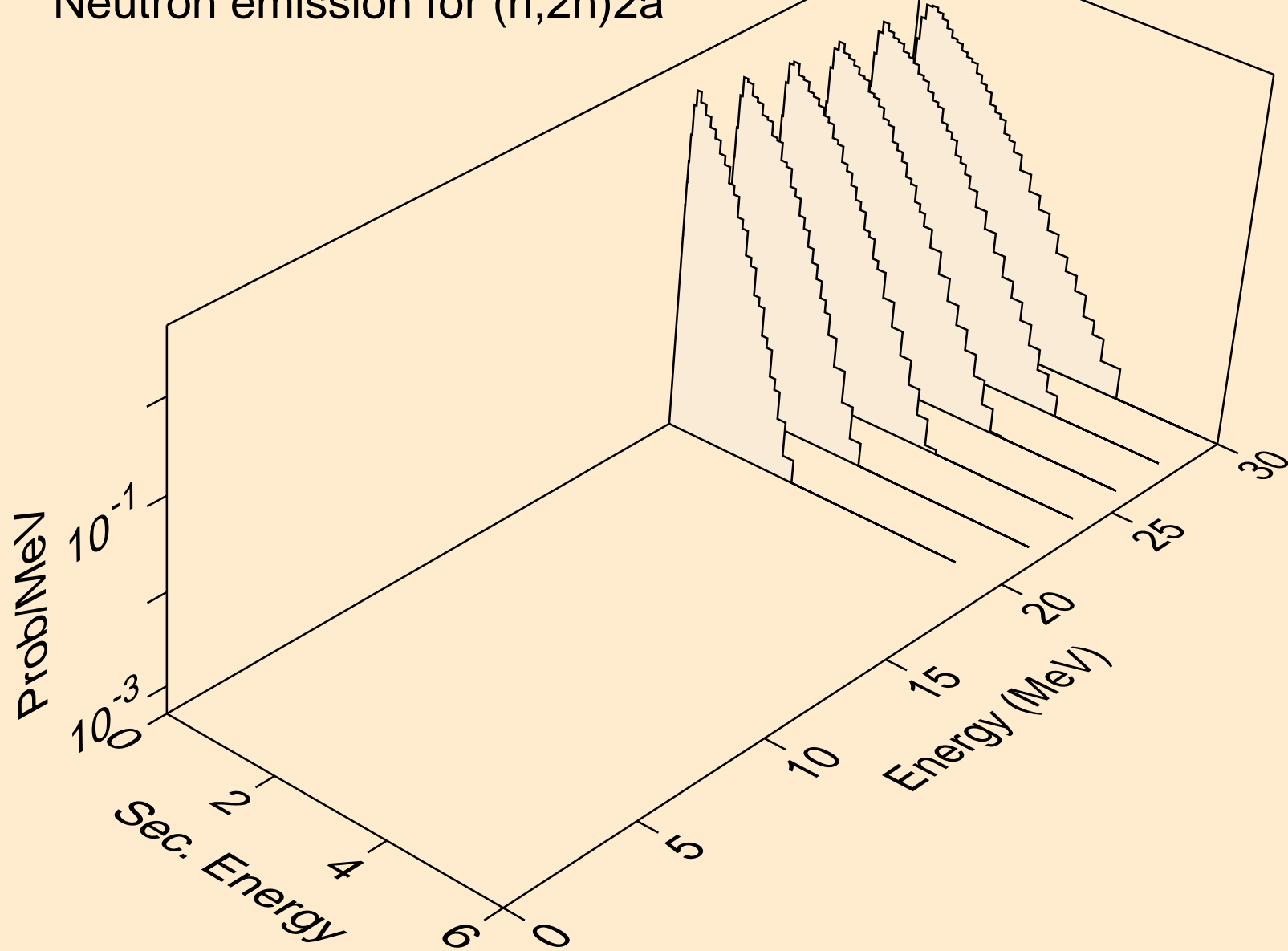




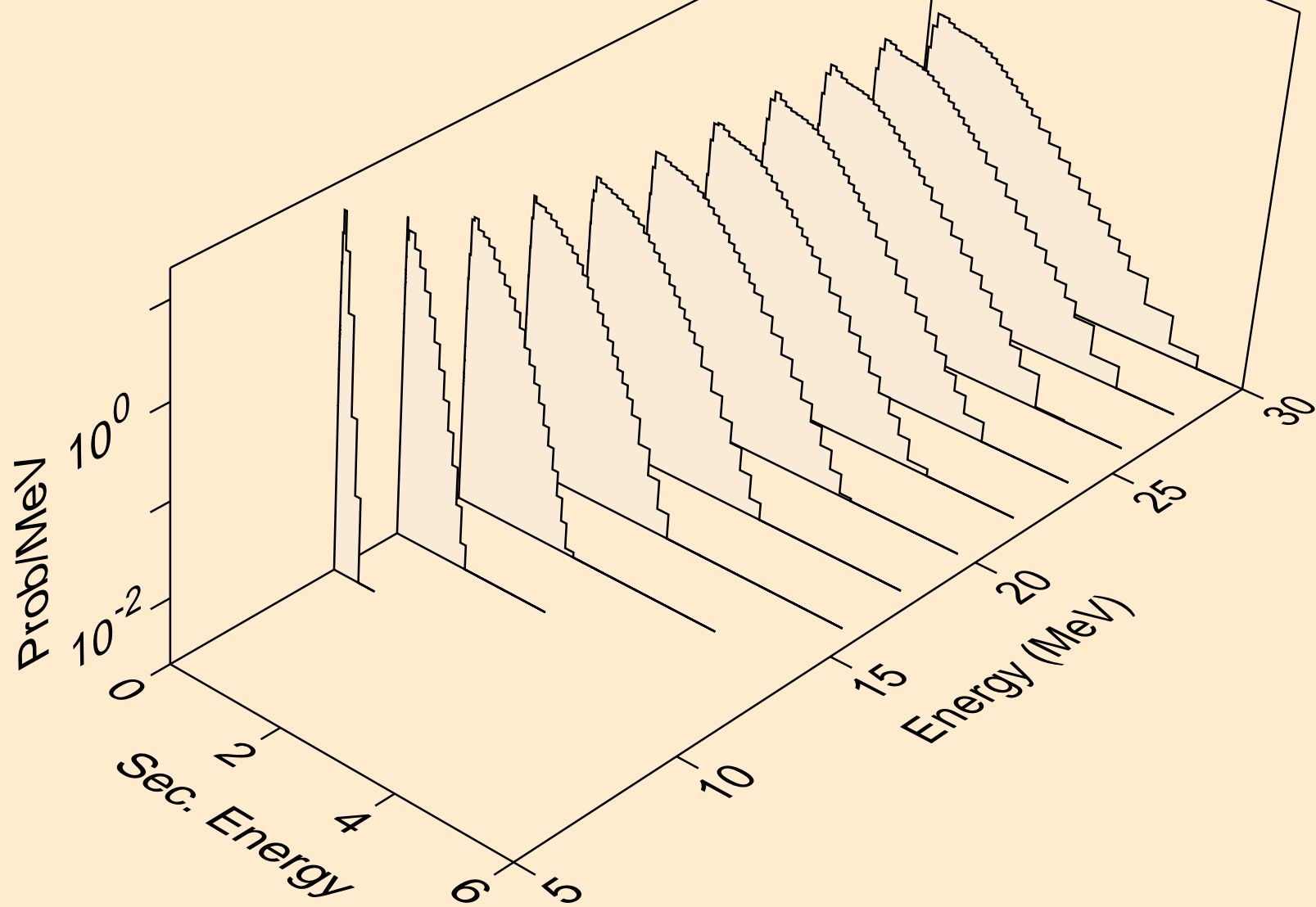
EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)2a



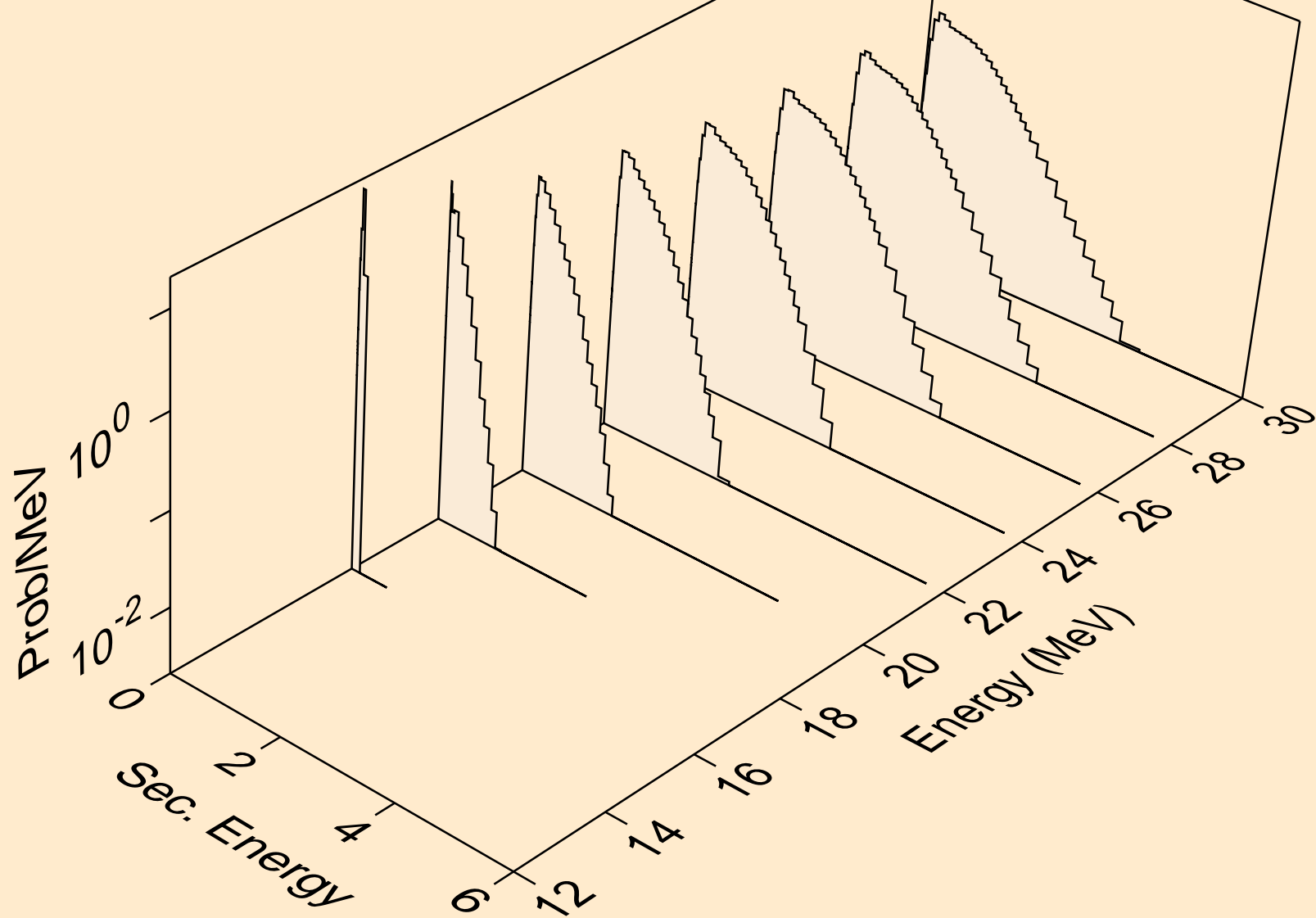
EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)2a



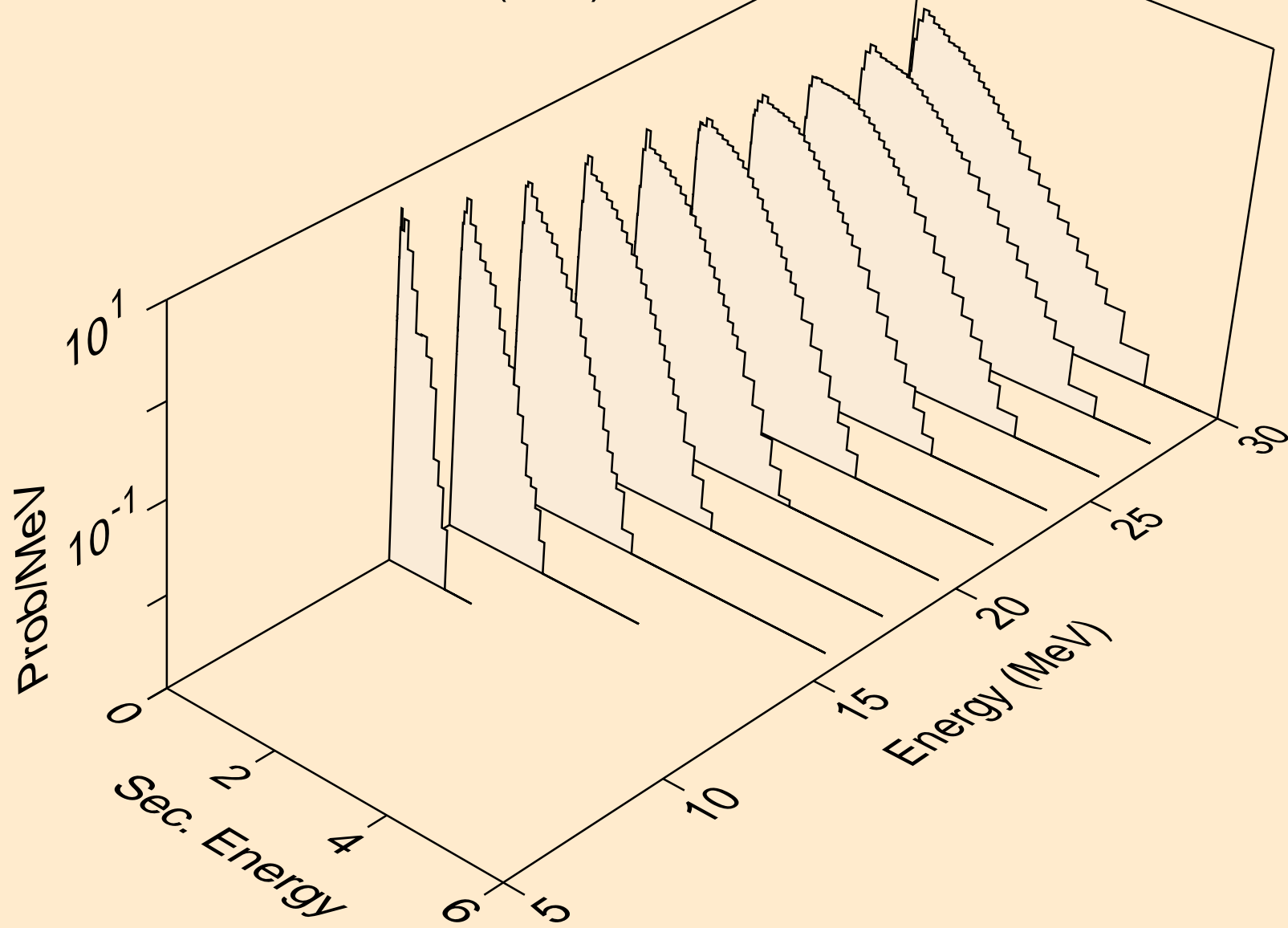
EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d



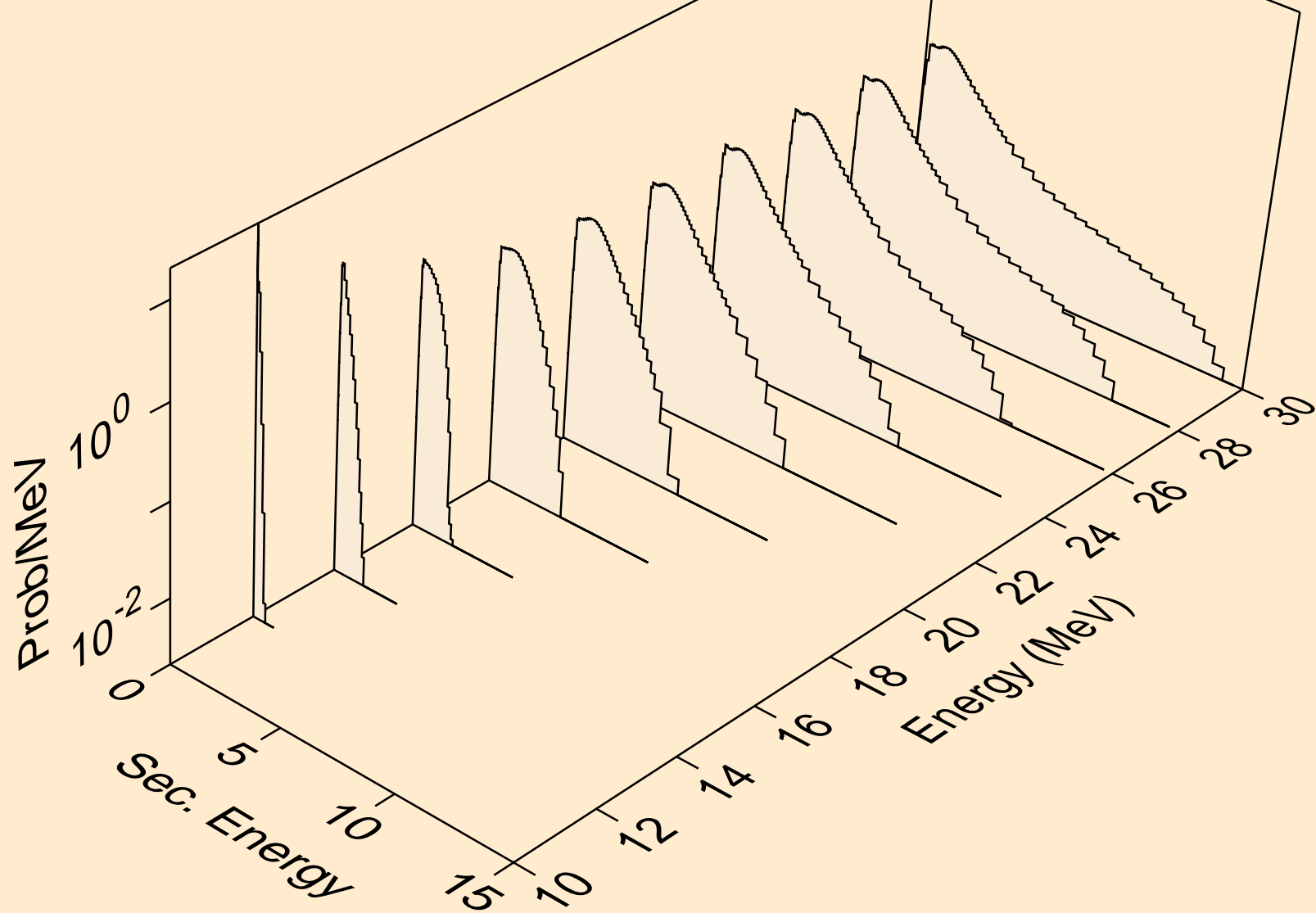
EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



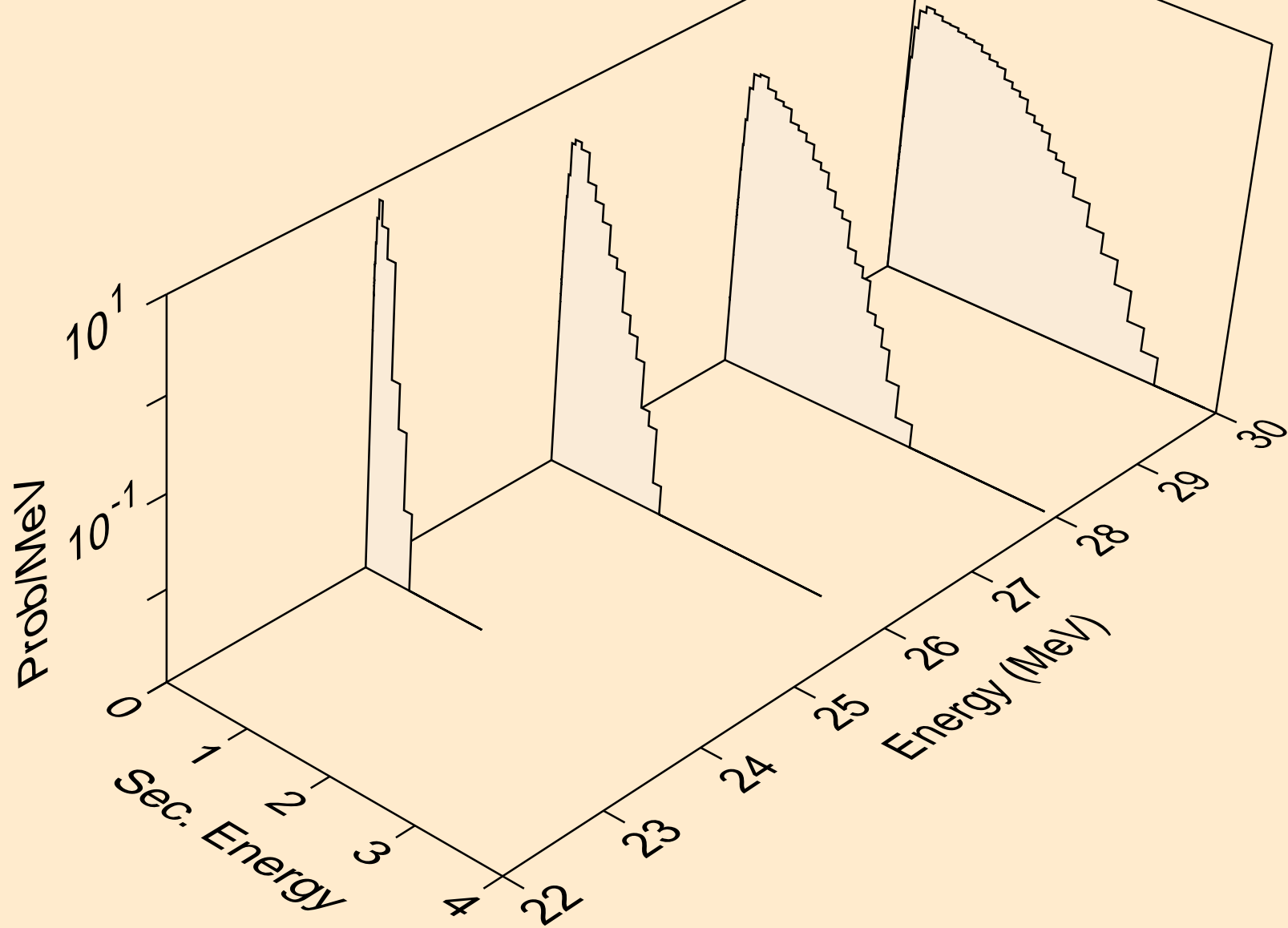
EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



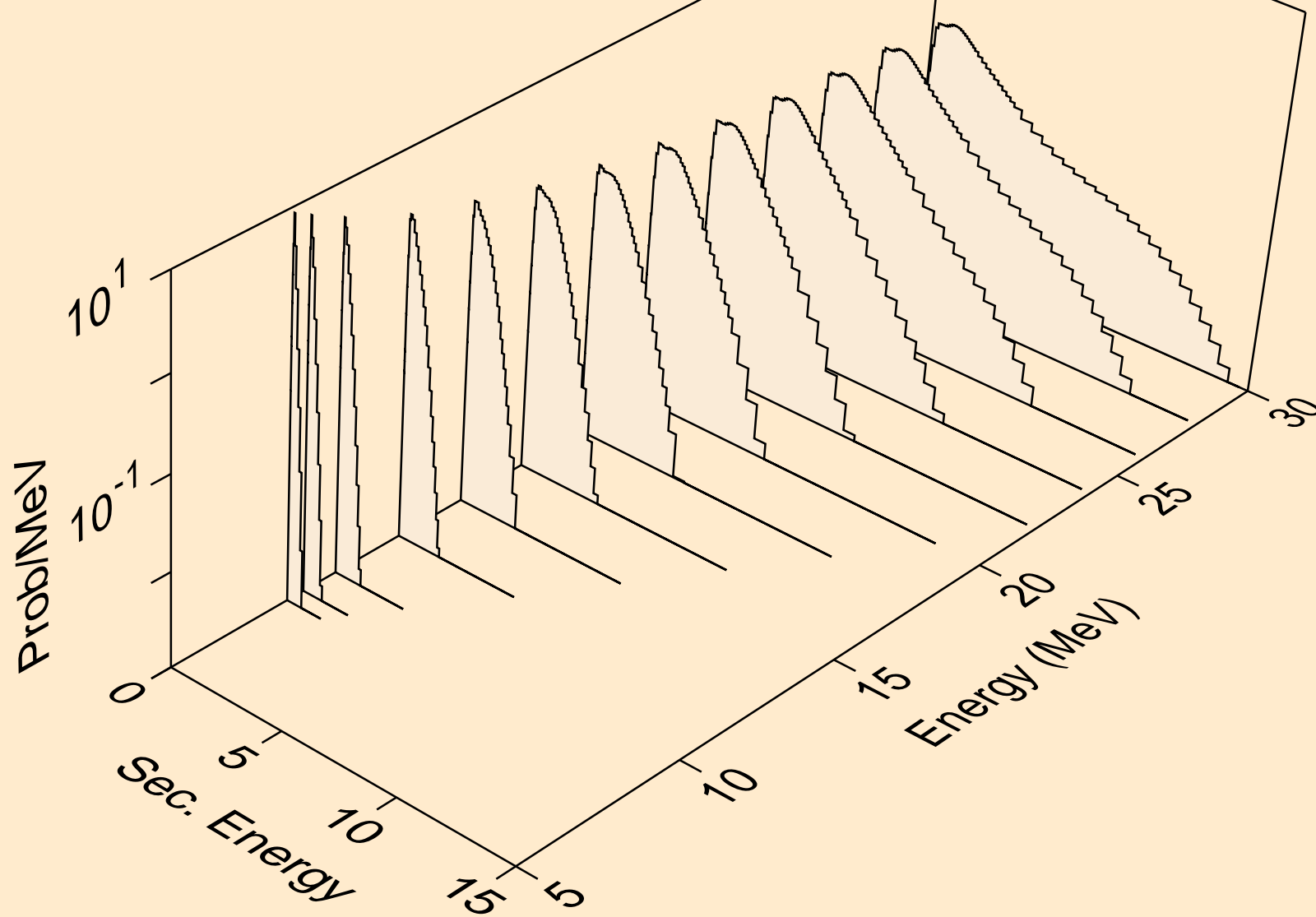
EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2np)



EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3np)

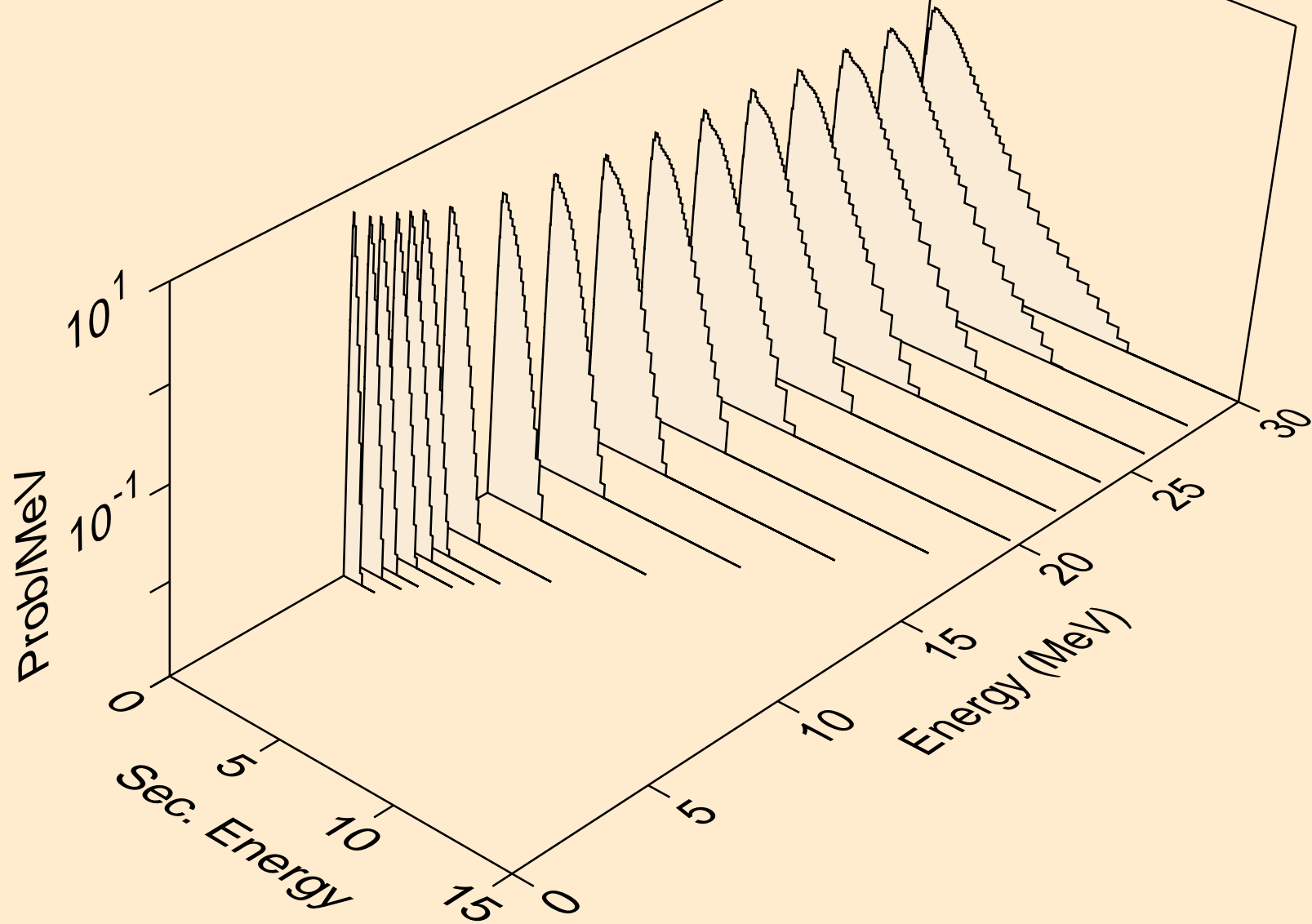


EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n2p)

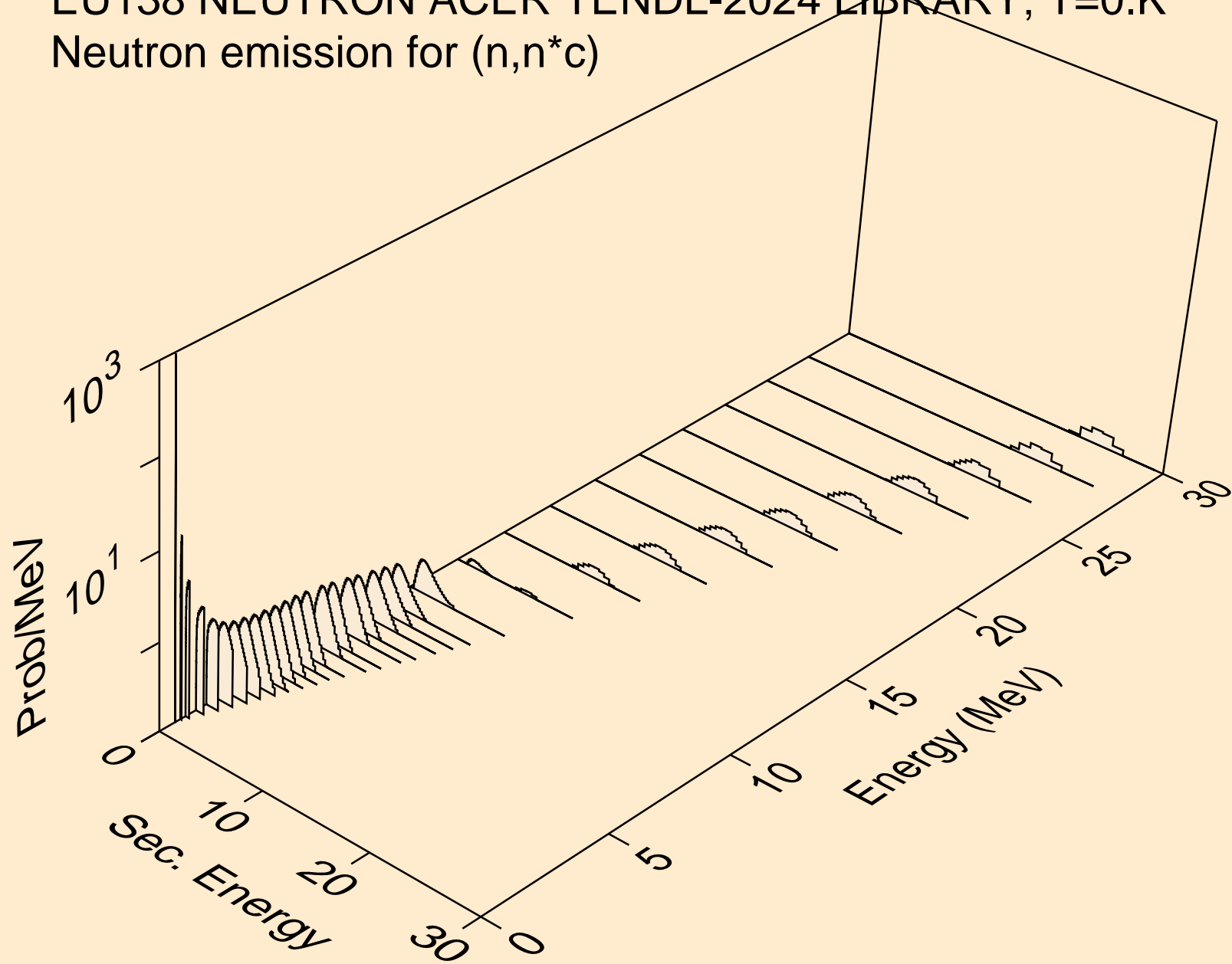




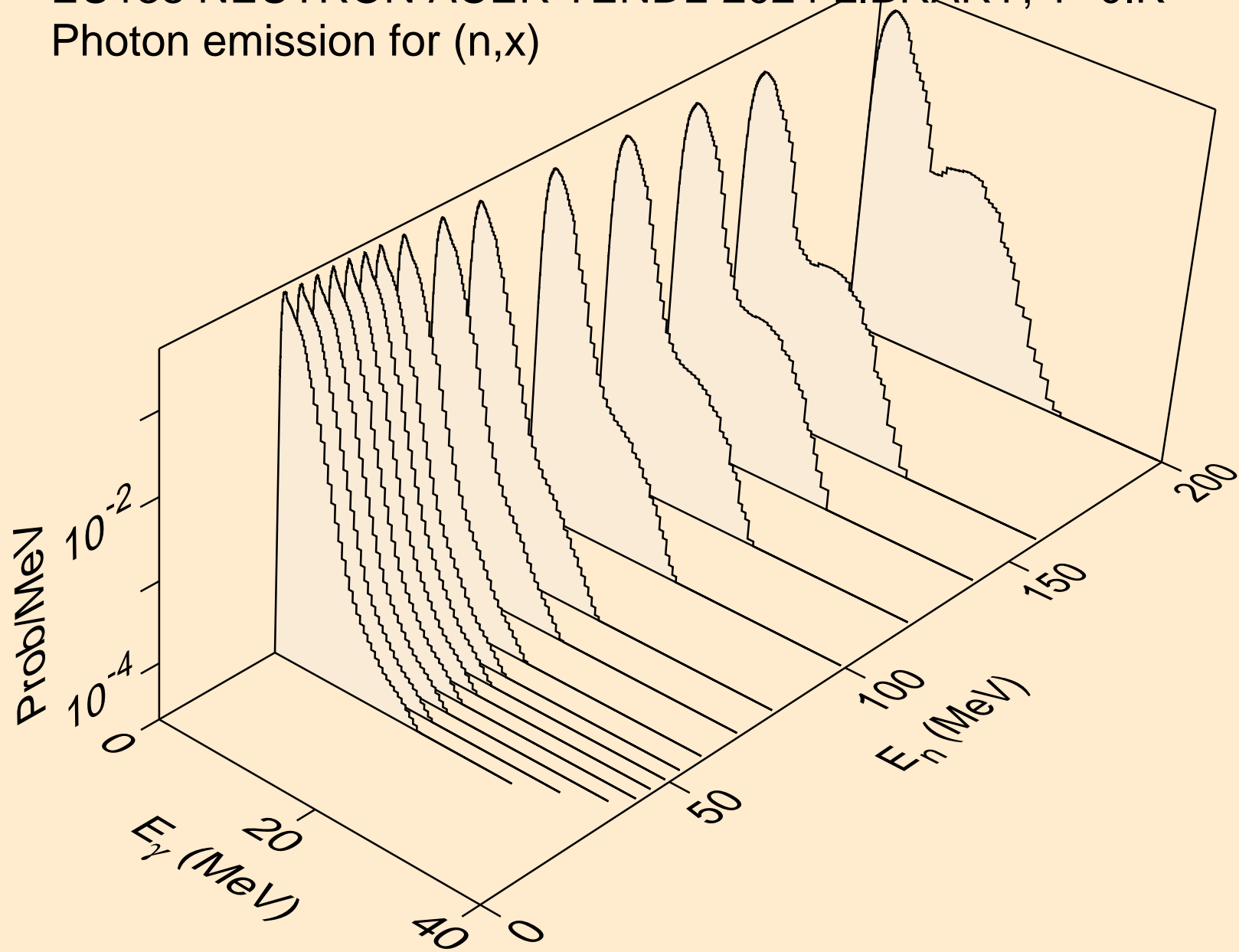
EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,npa)



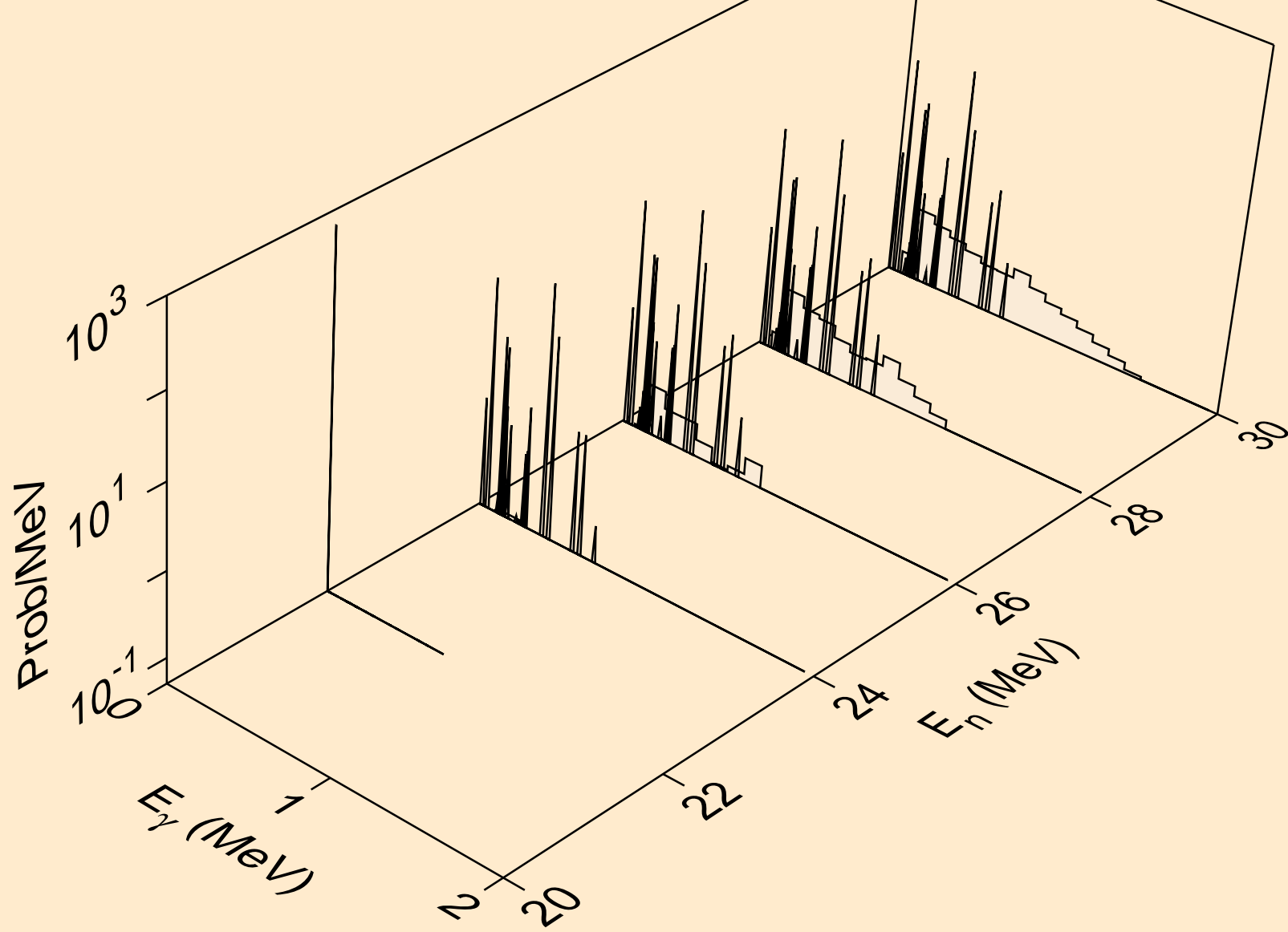
EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)



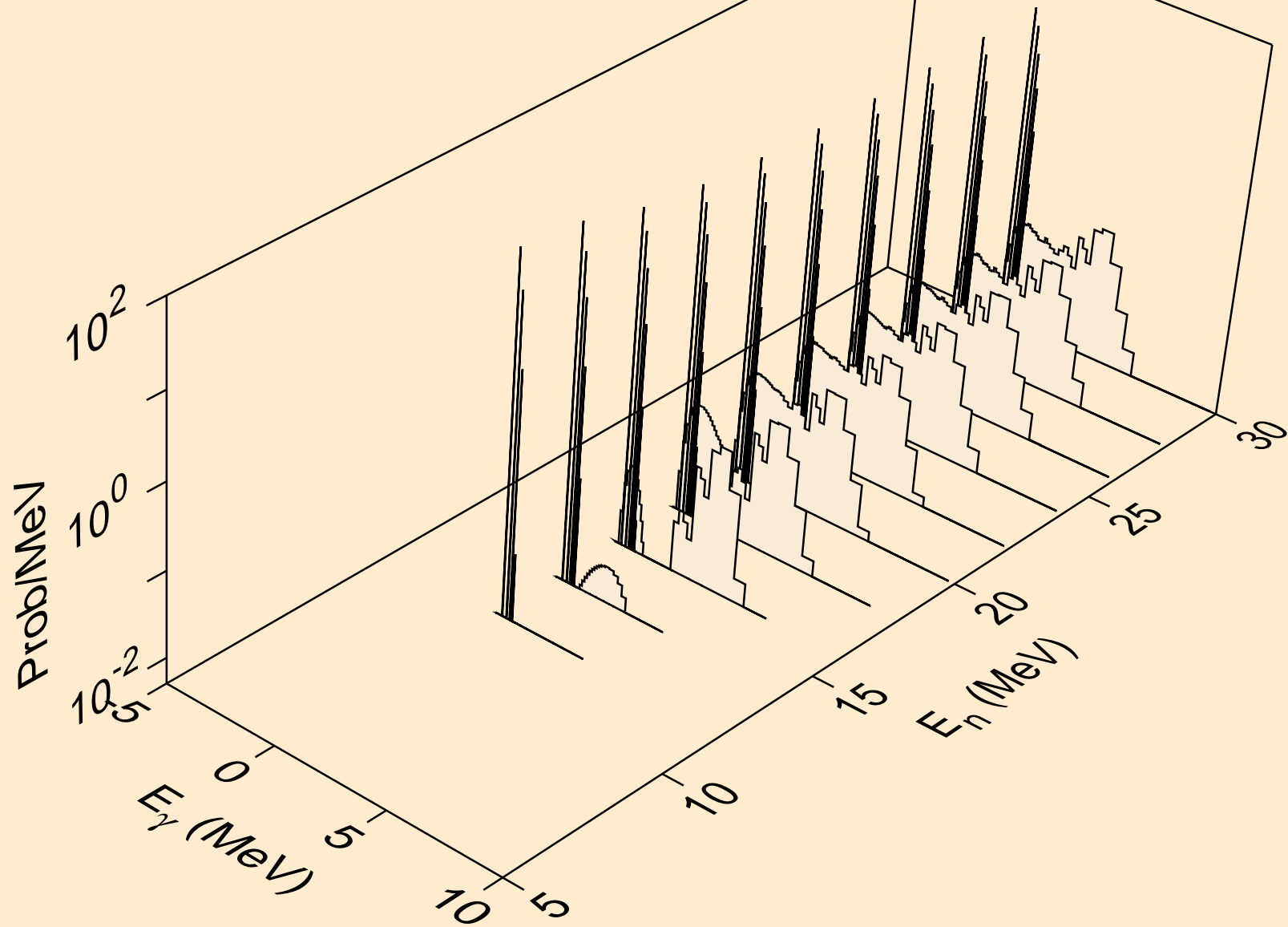
EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,x)



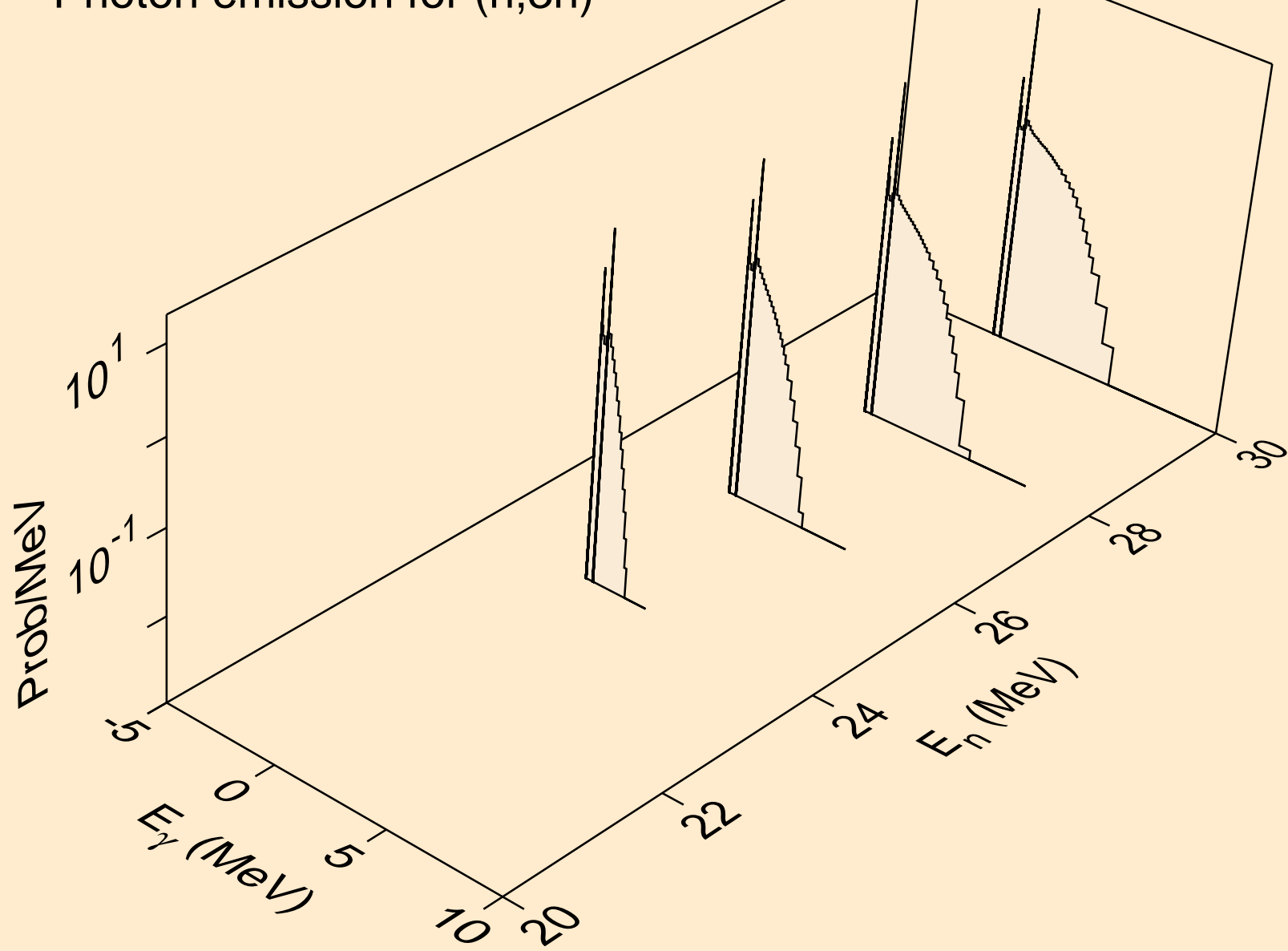
EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2nd)



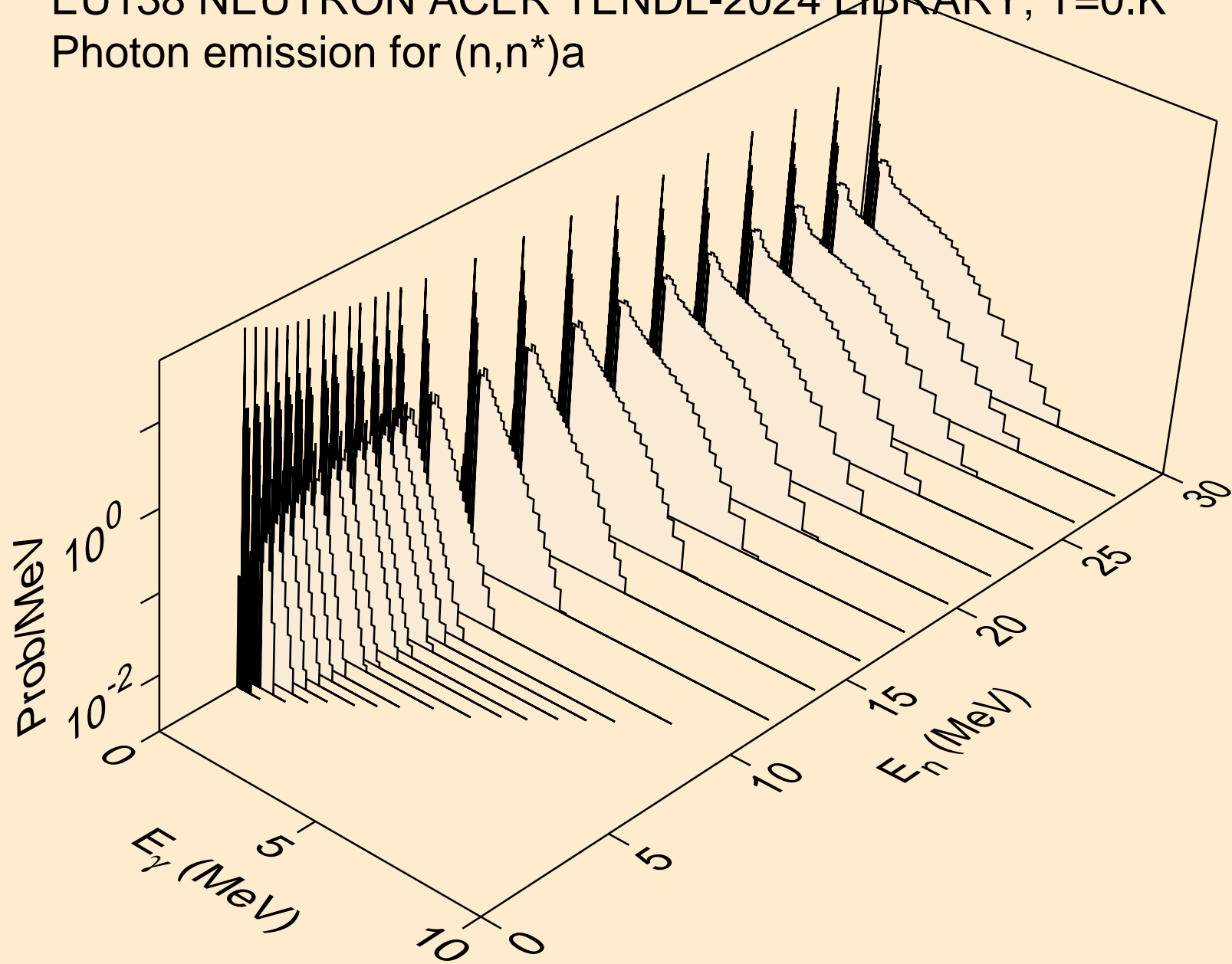
EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)



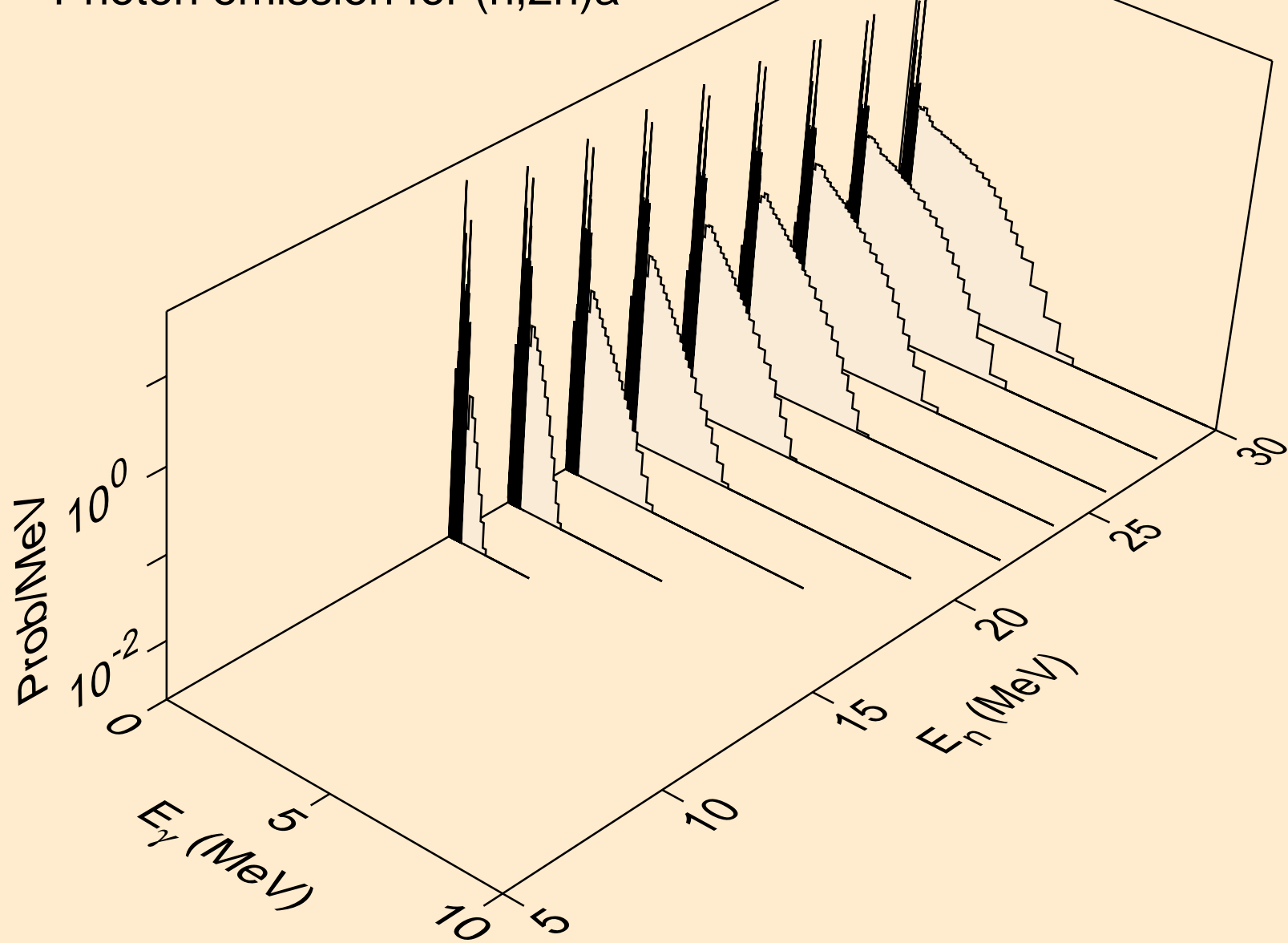
EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)



EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)a

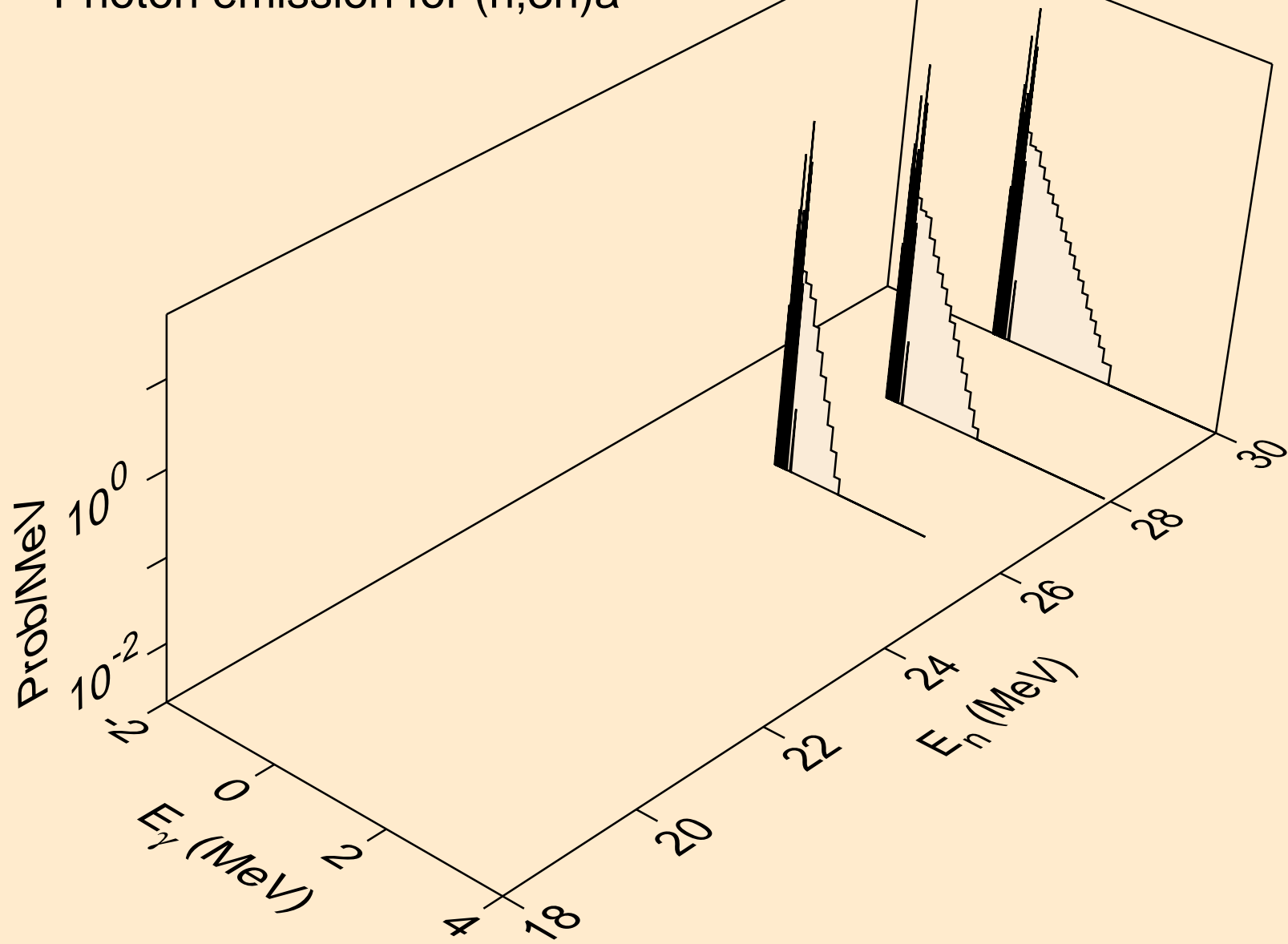


EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)a

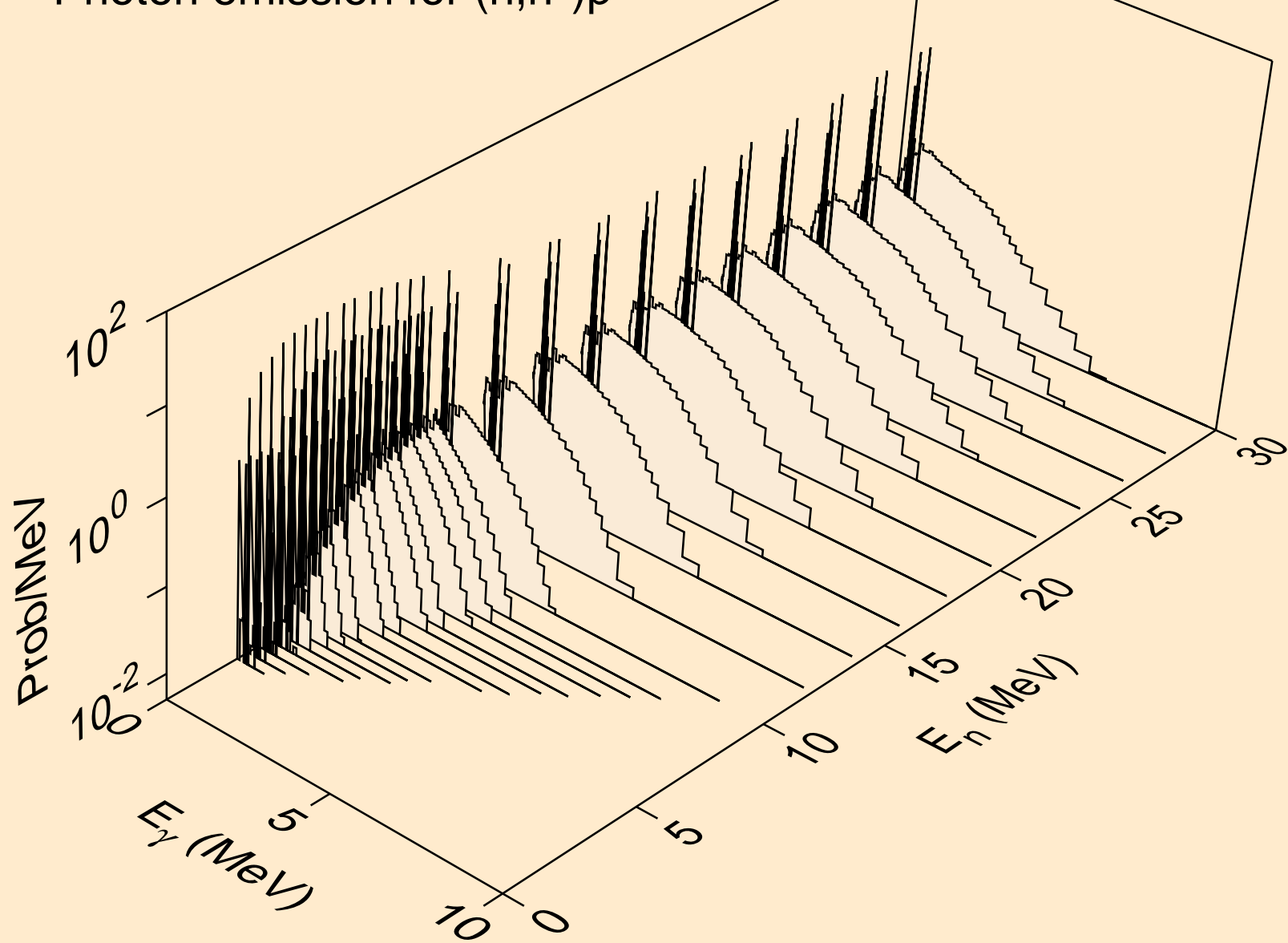




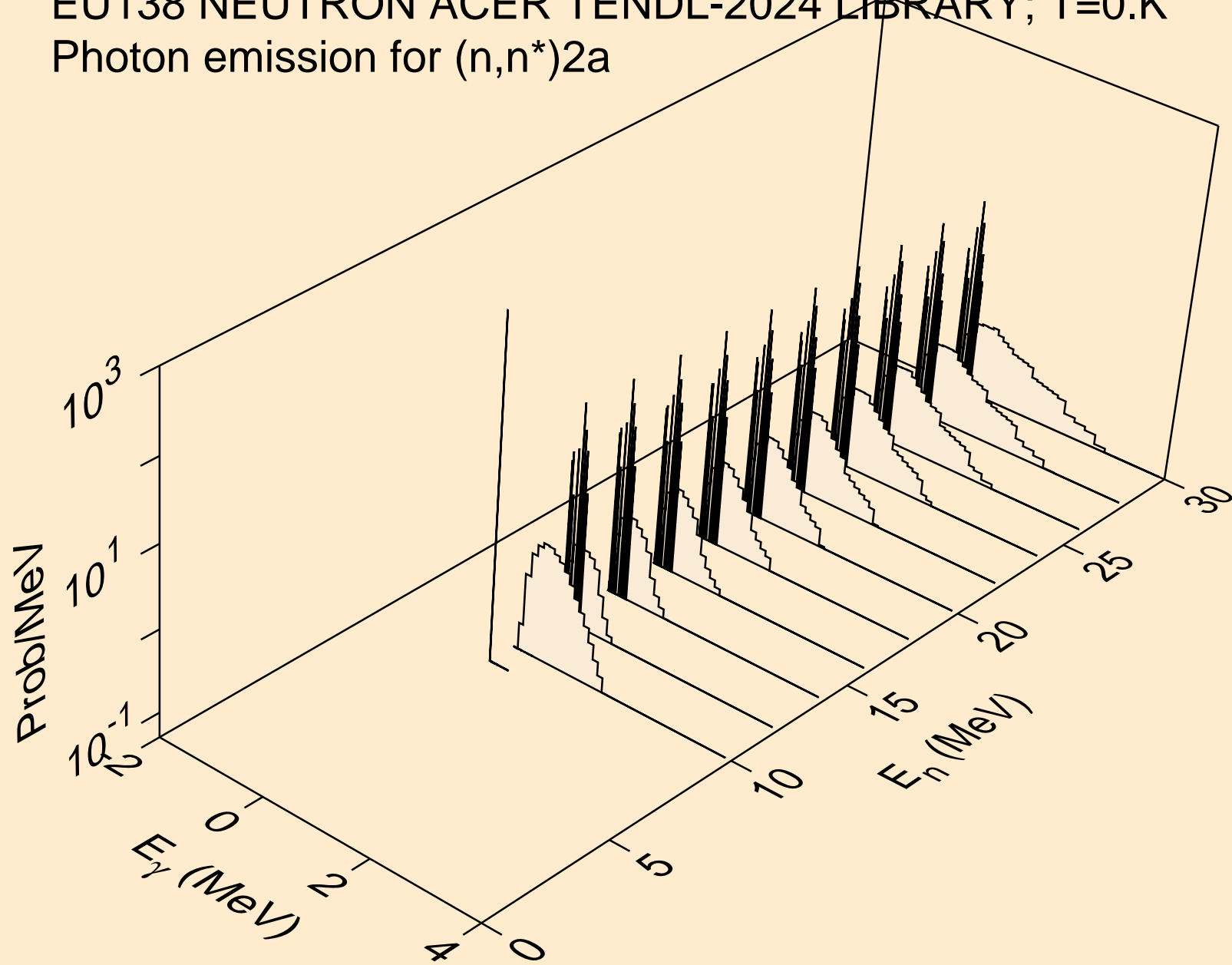
EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)a



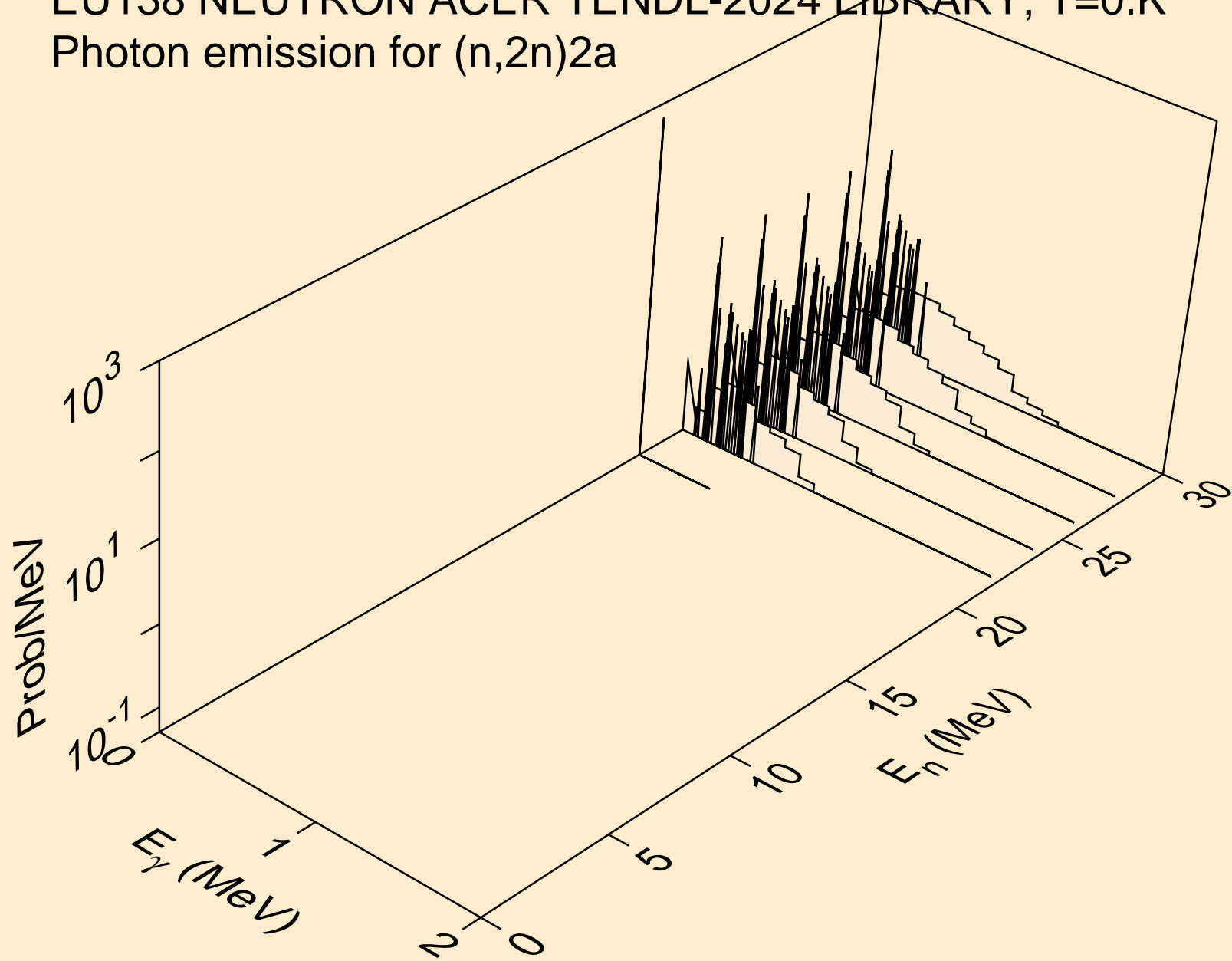
EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



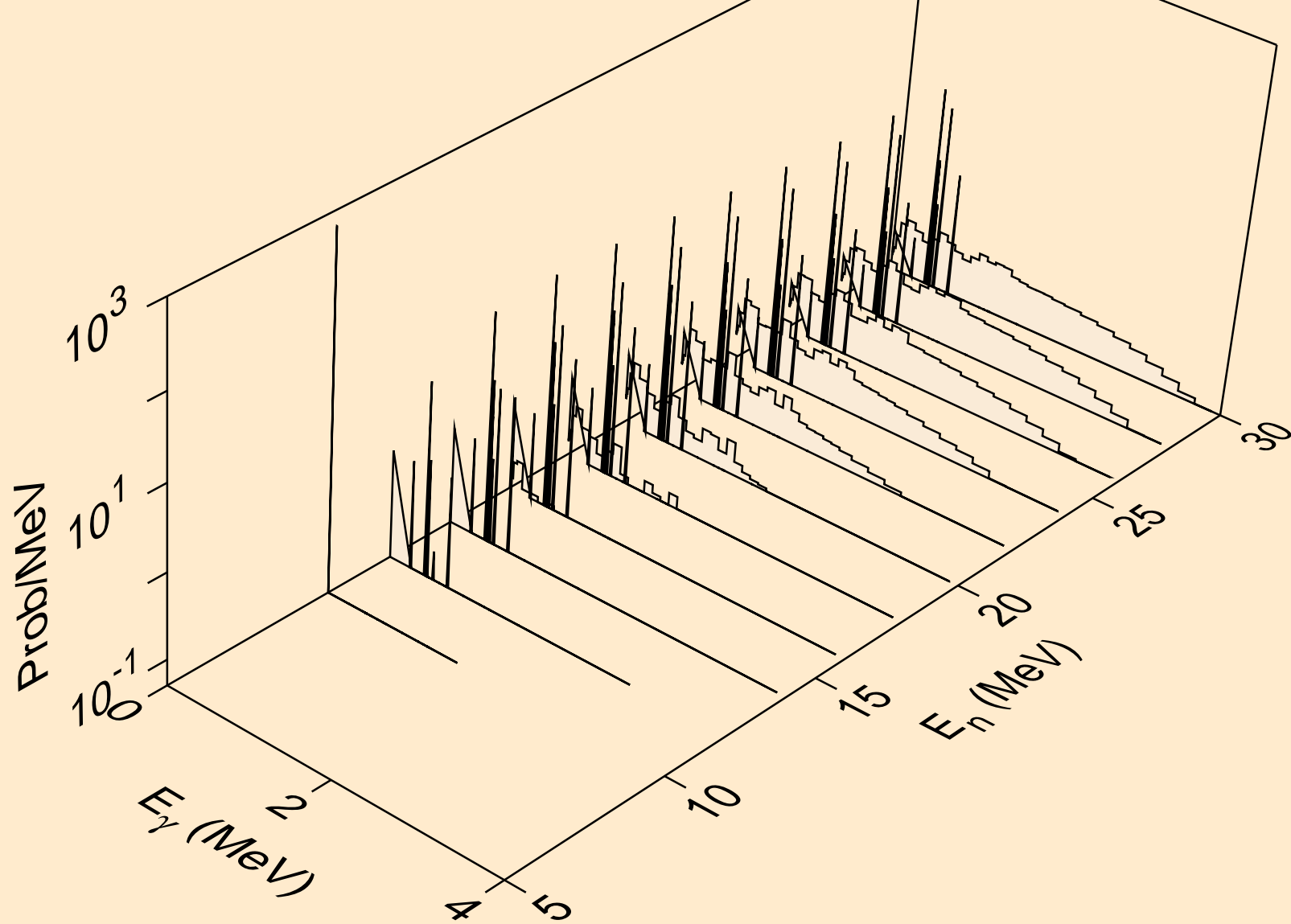
EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



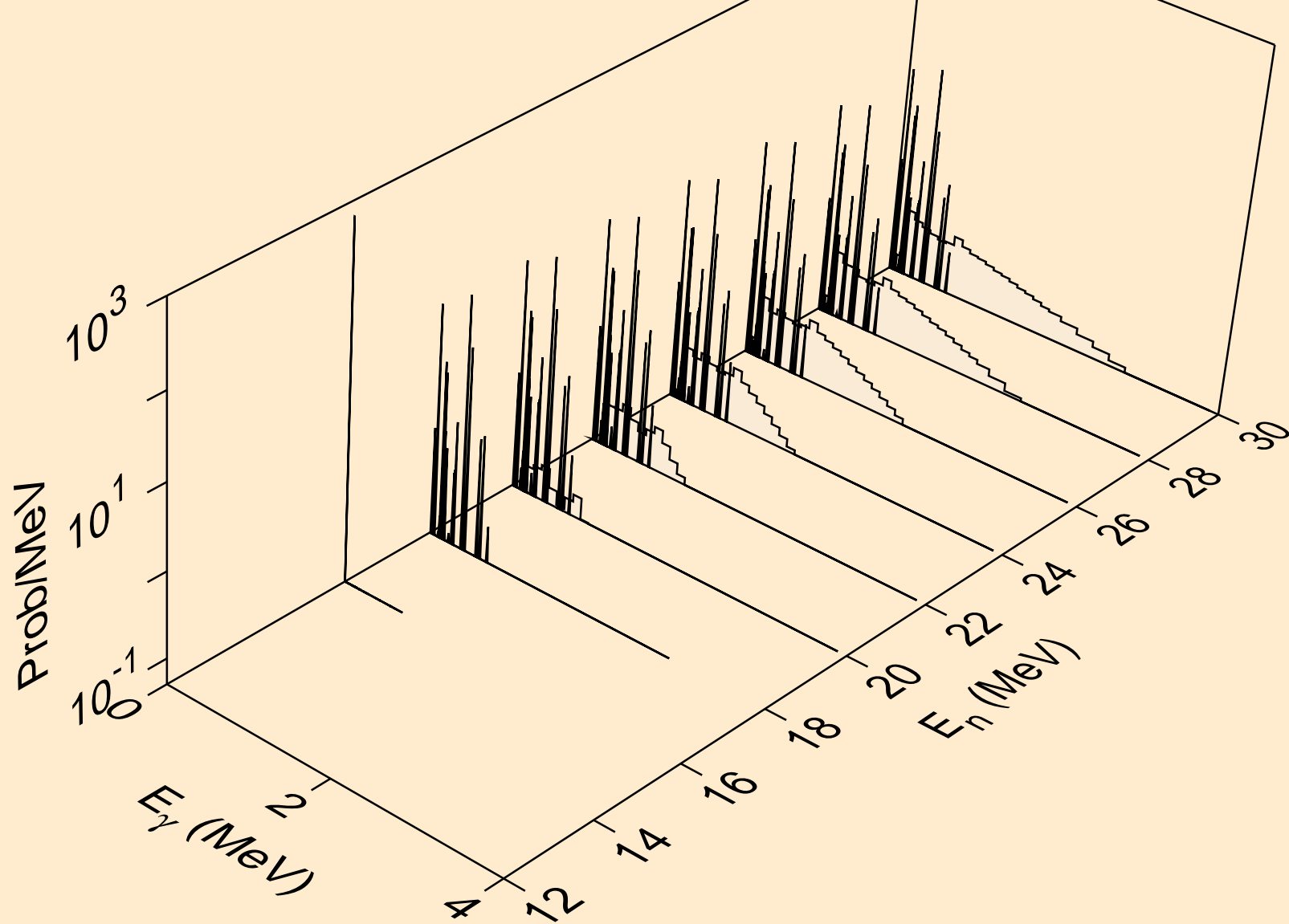
EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)2a



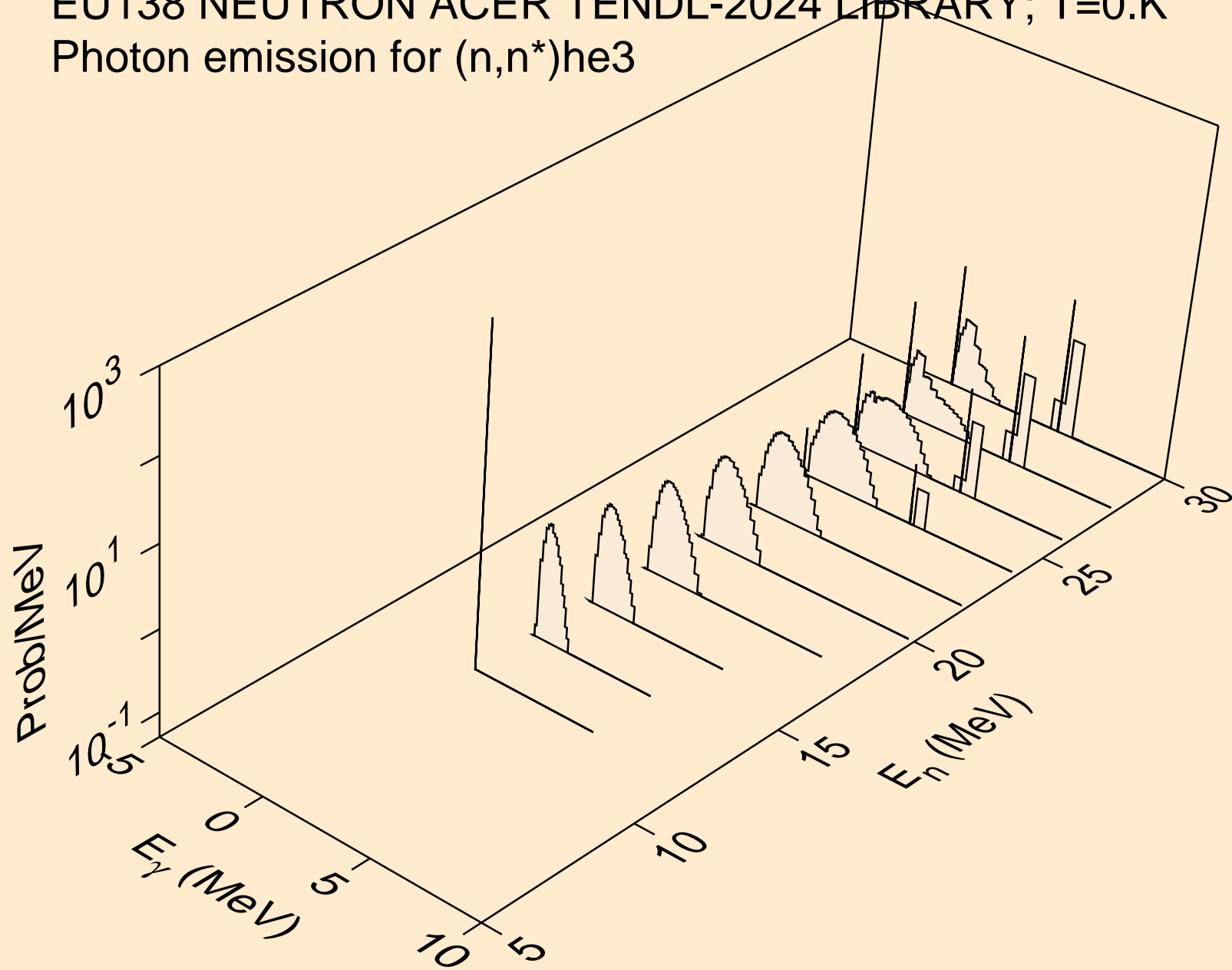
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Photon emission for (n,n\*)d



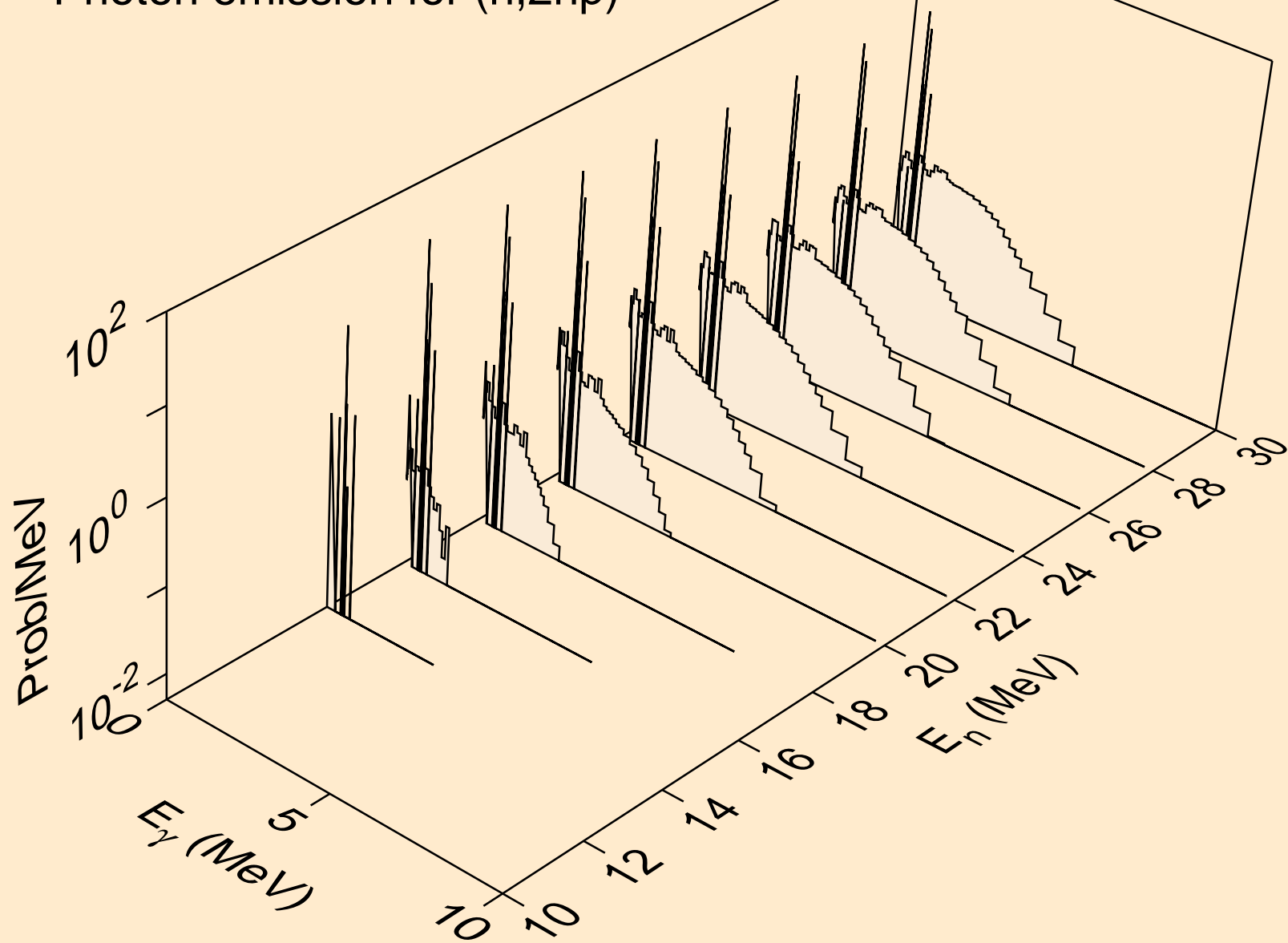
EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3

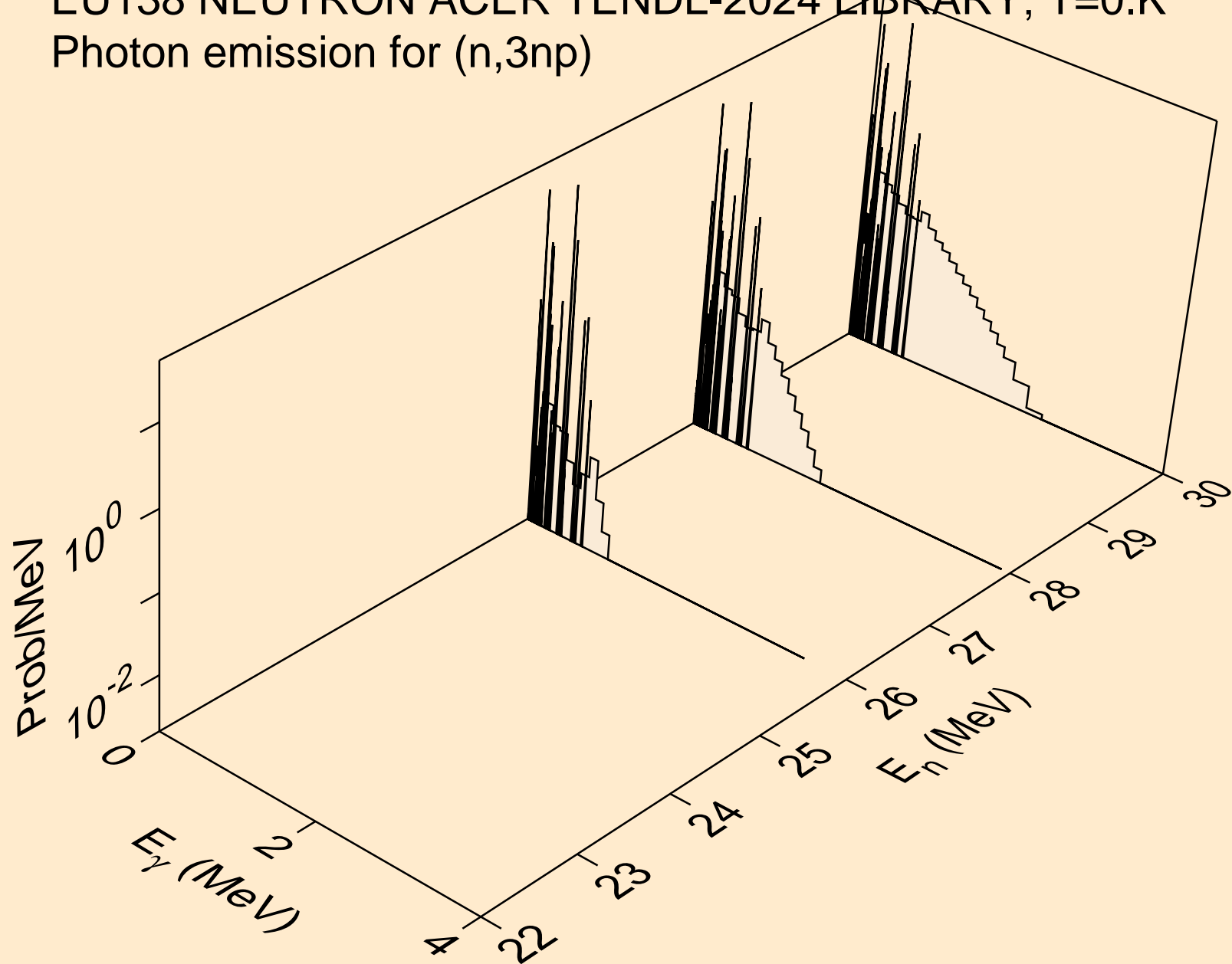


EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2np)

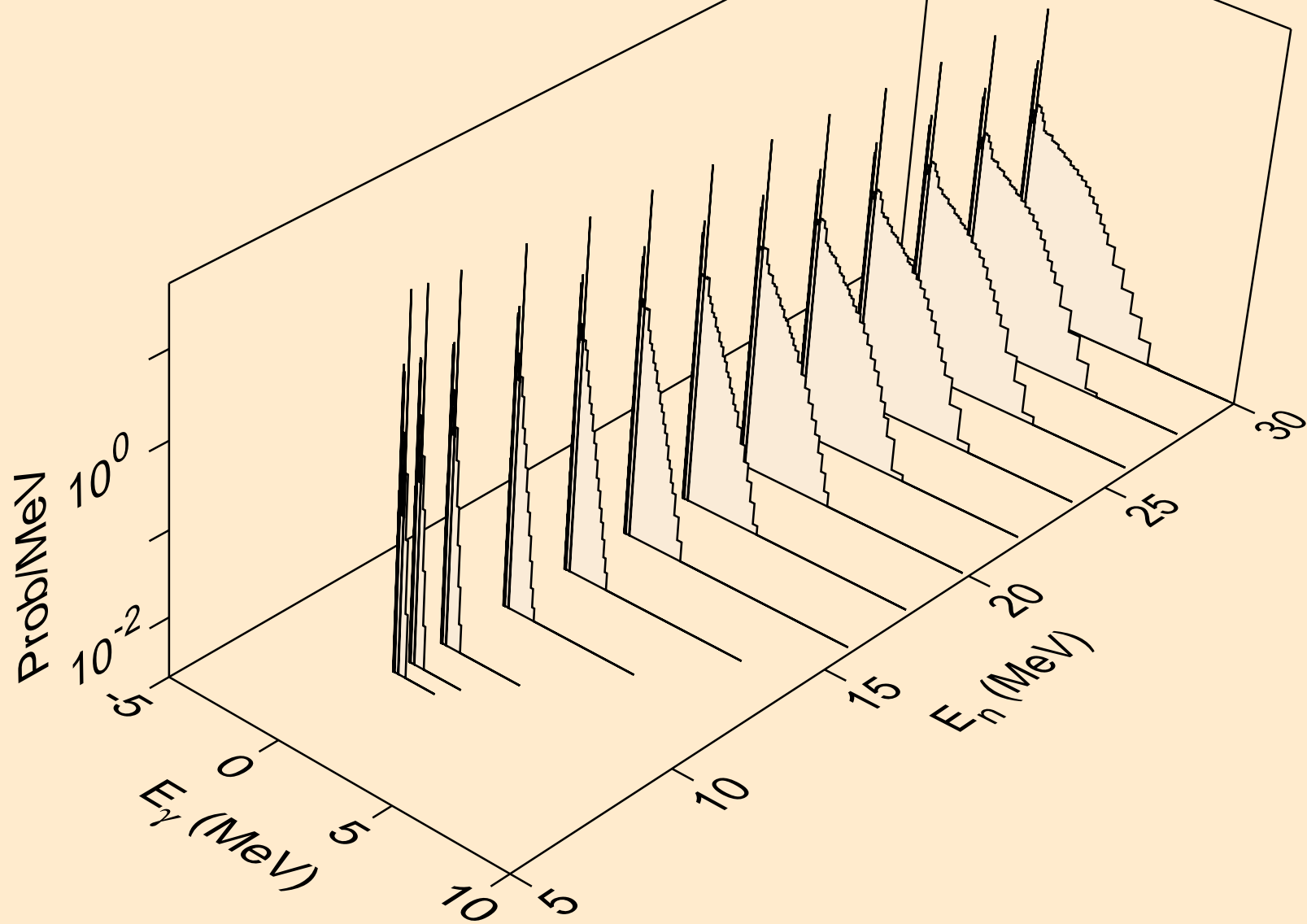




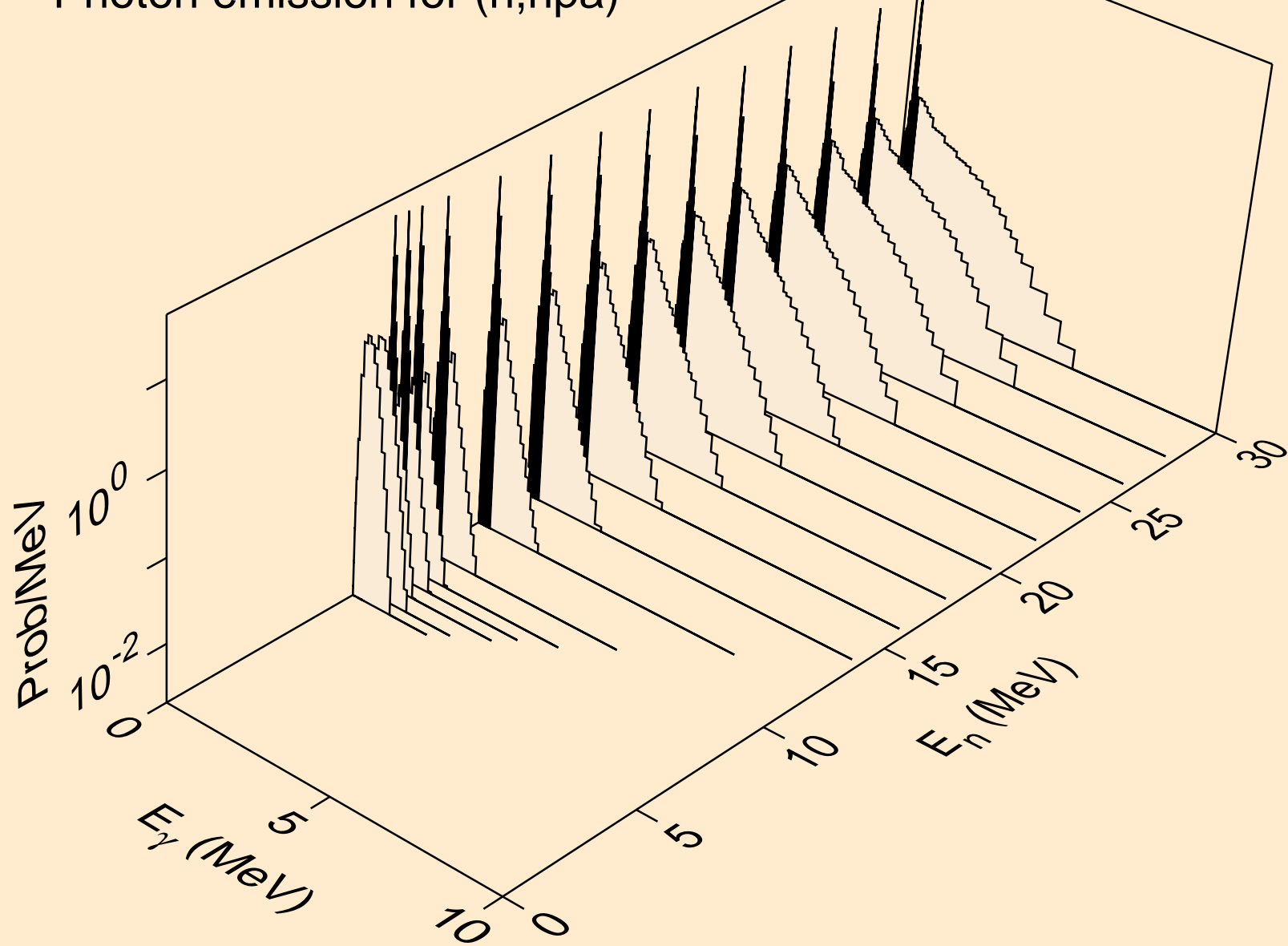
EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3np)



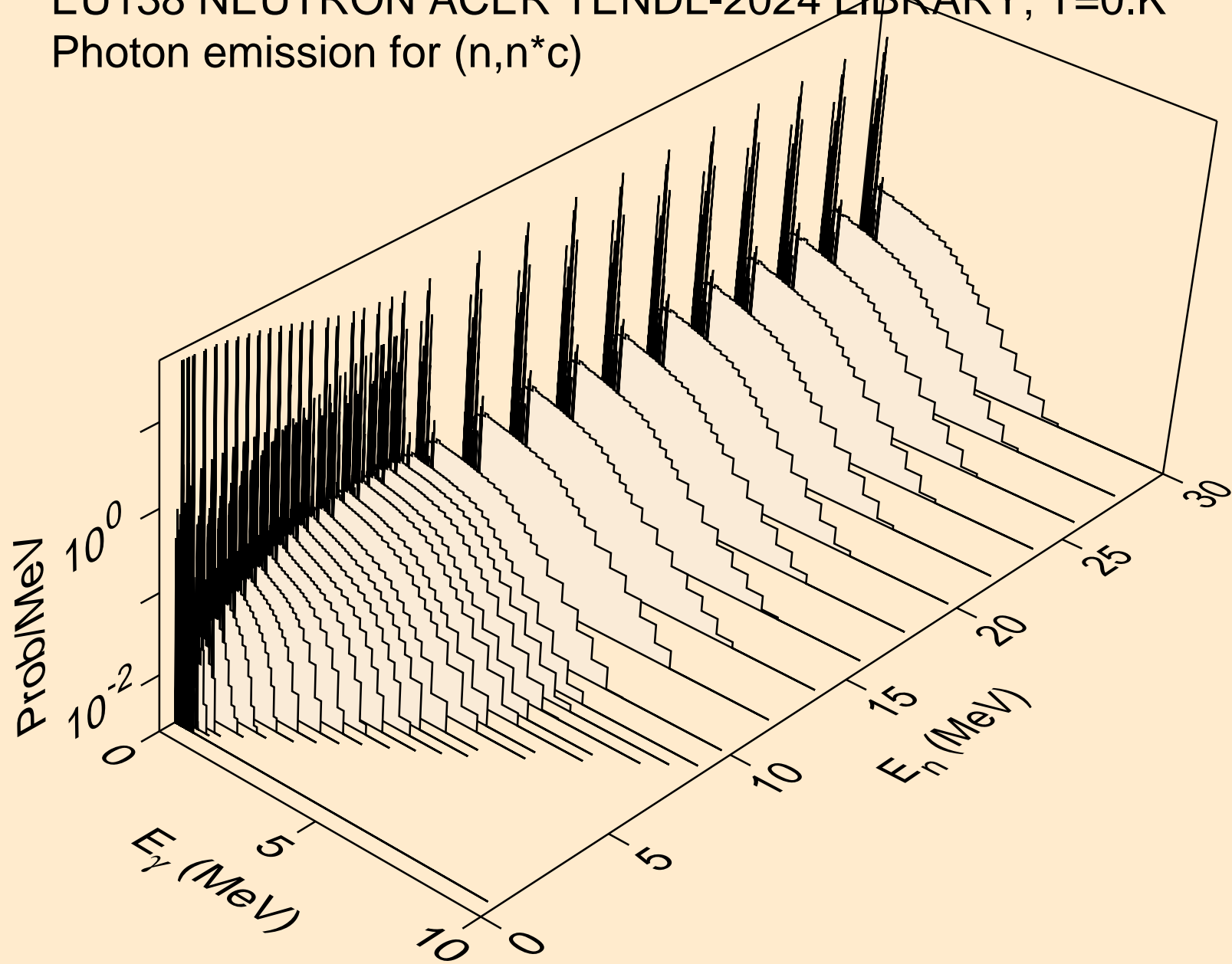
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Photon emission for (n,n2p)



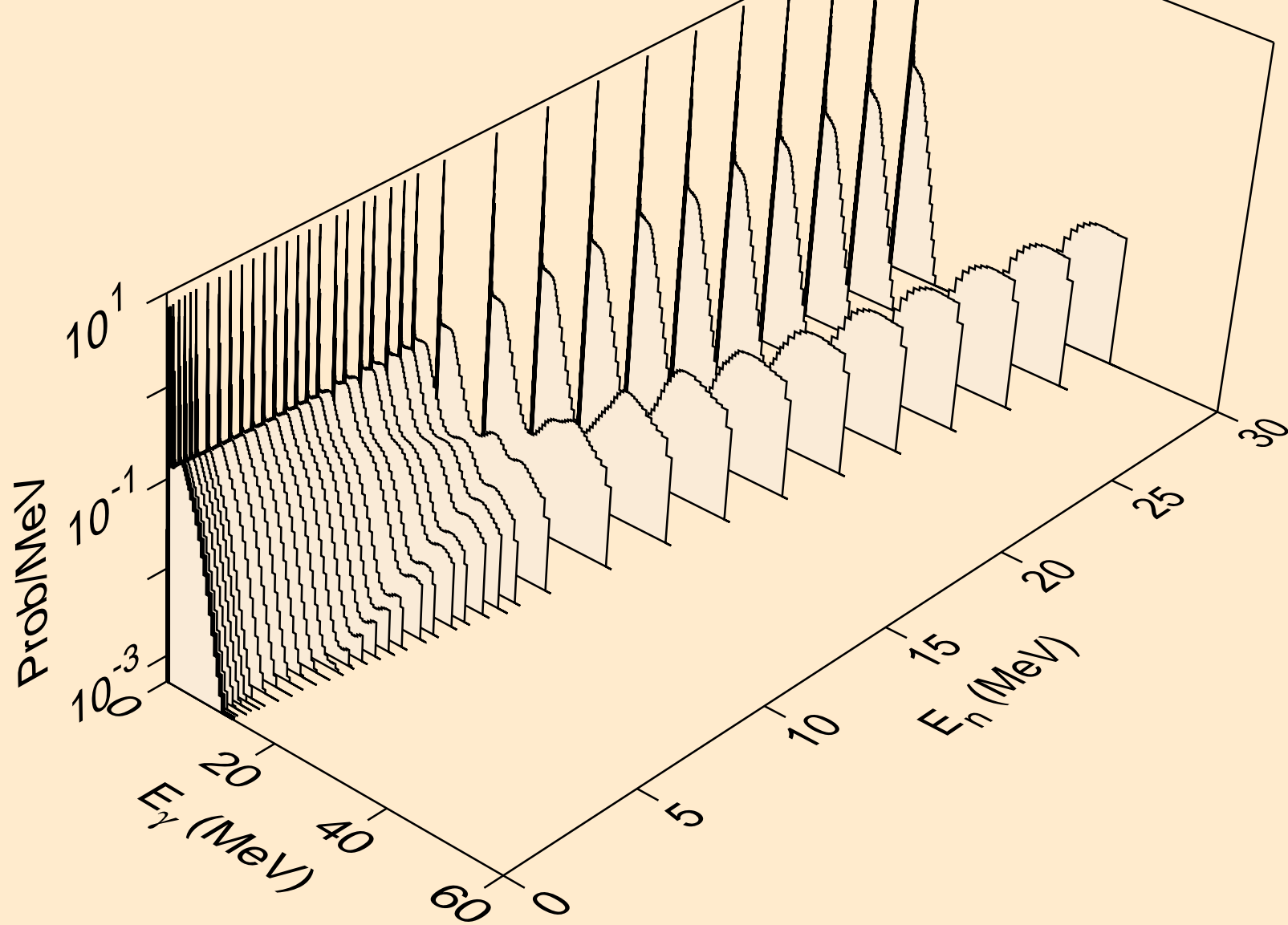
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Photon emission for (n,npa)



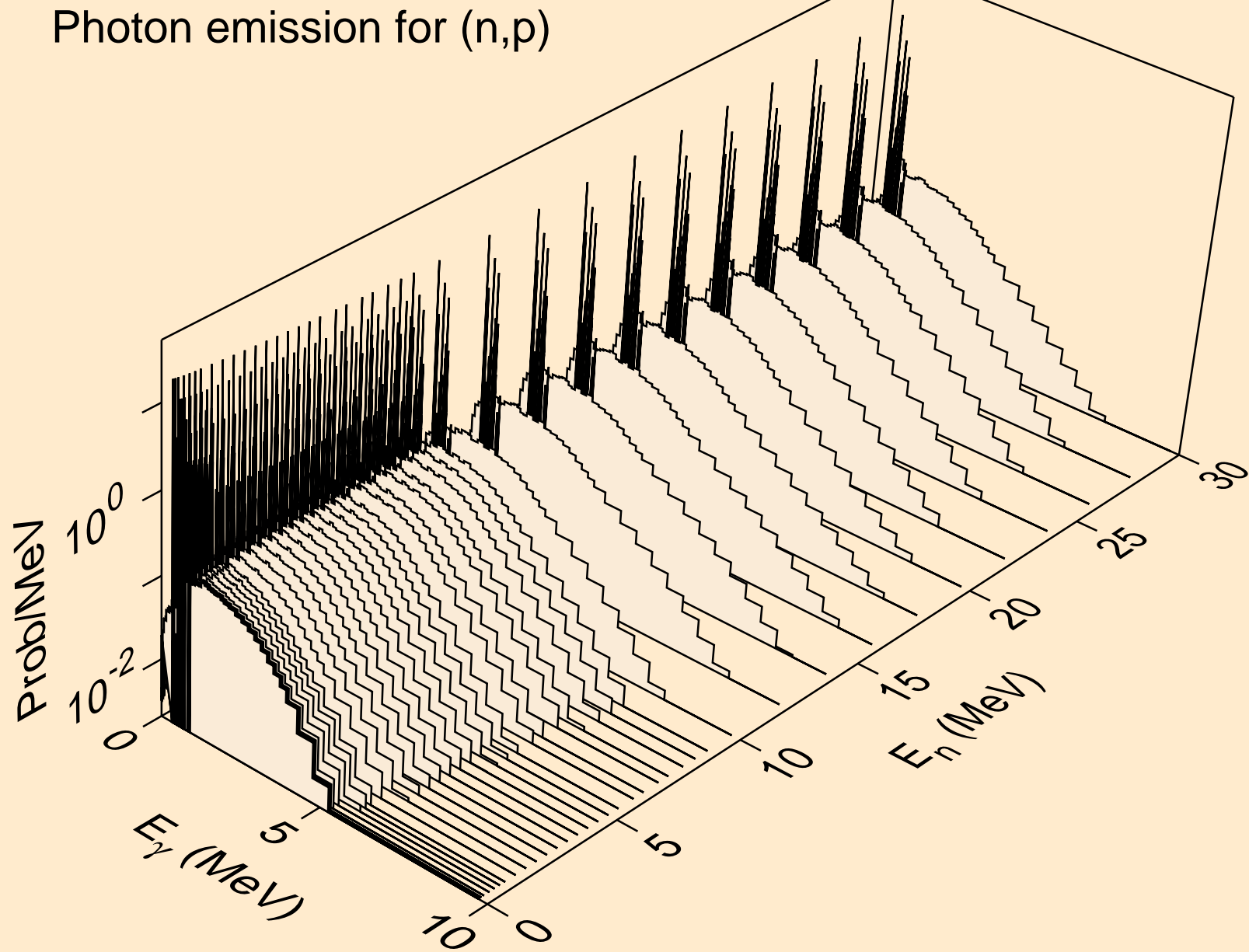
EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*c)



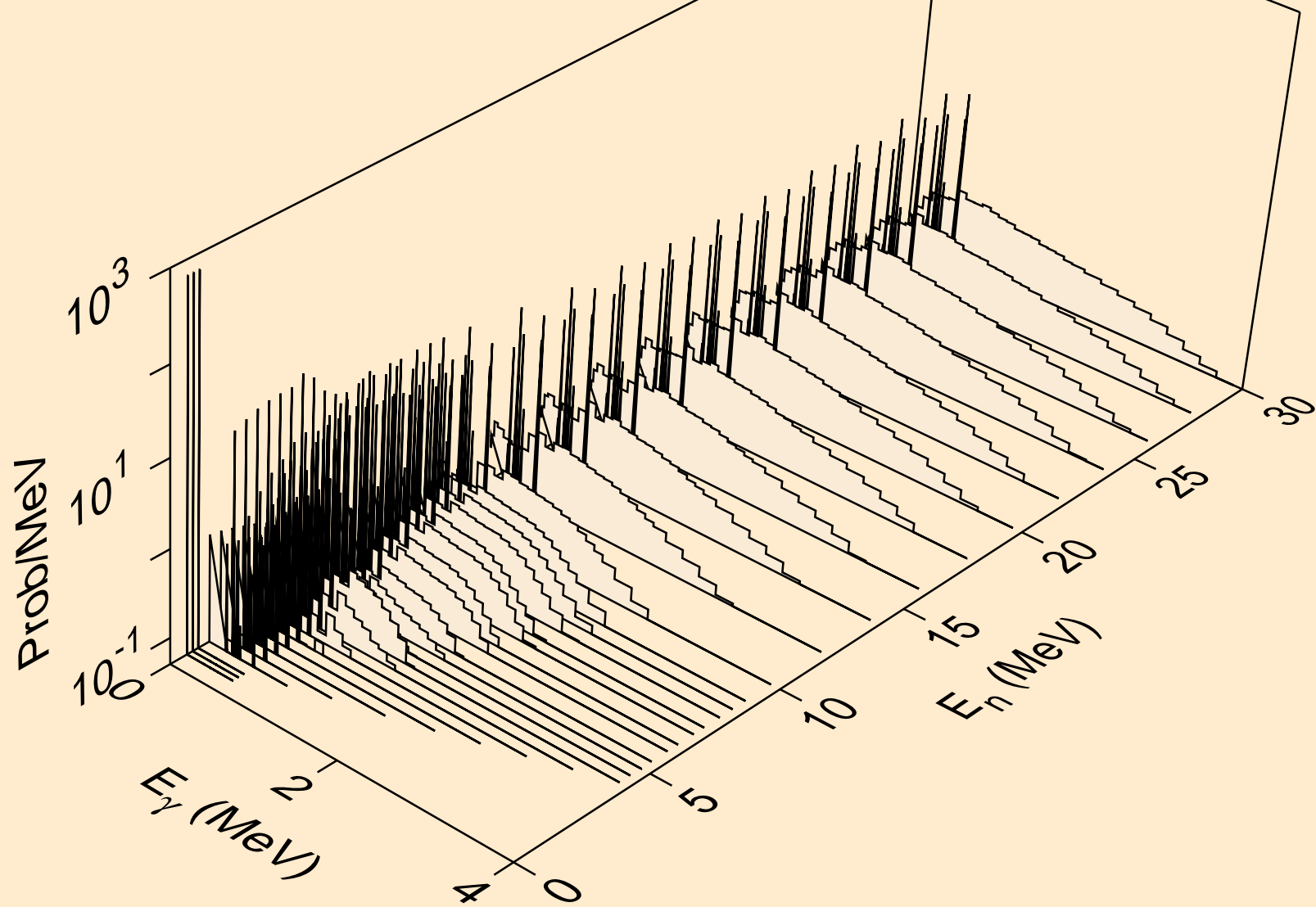
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Photon emission for (n,gma)



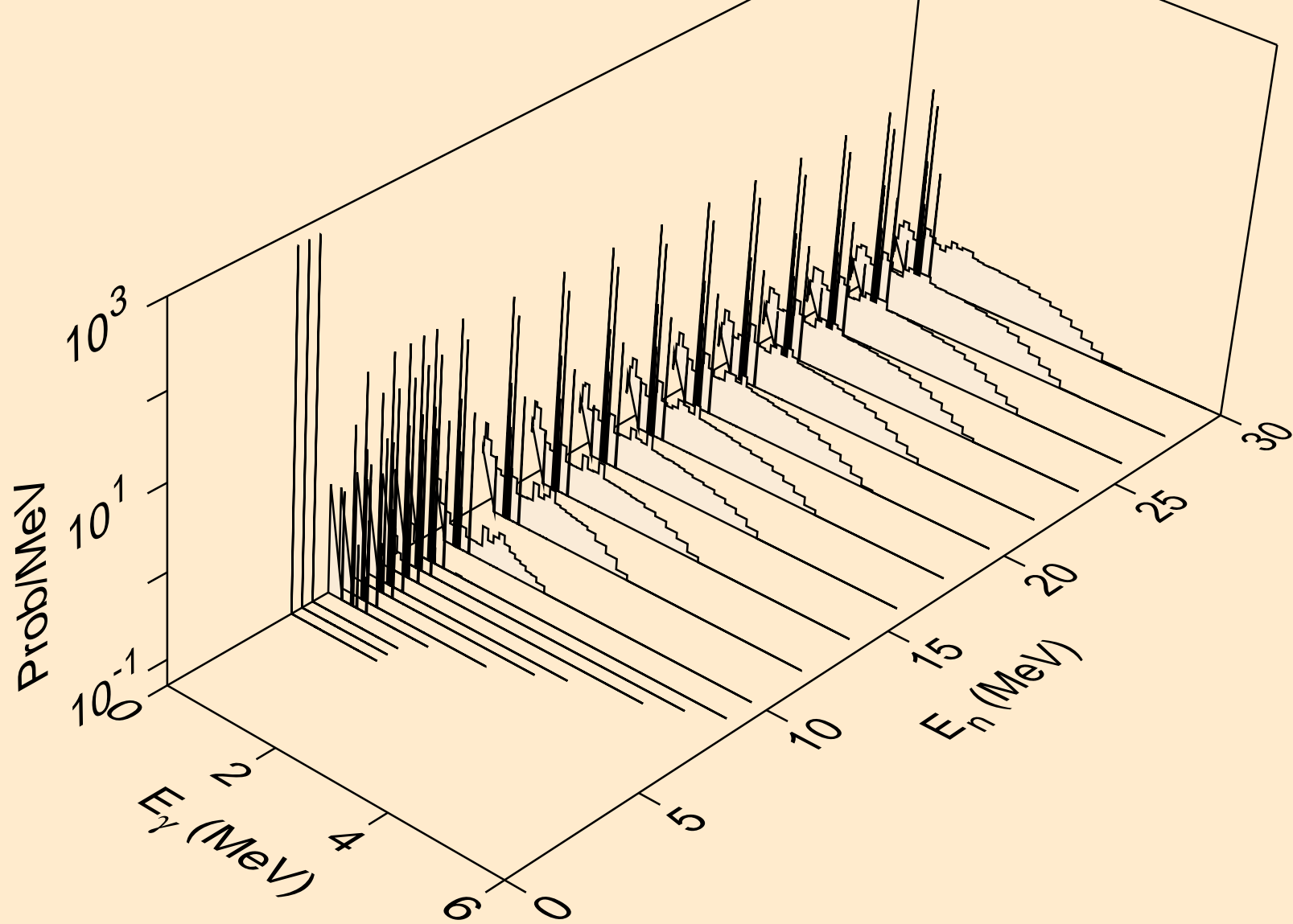
EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p)



EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,d)

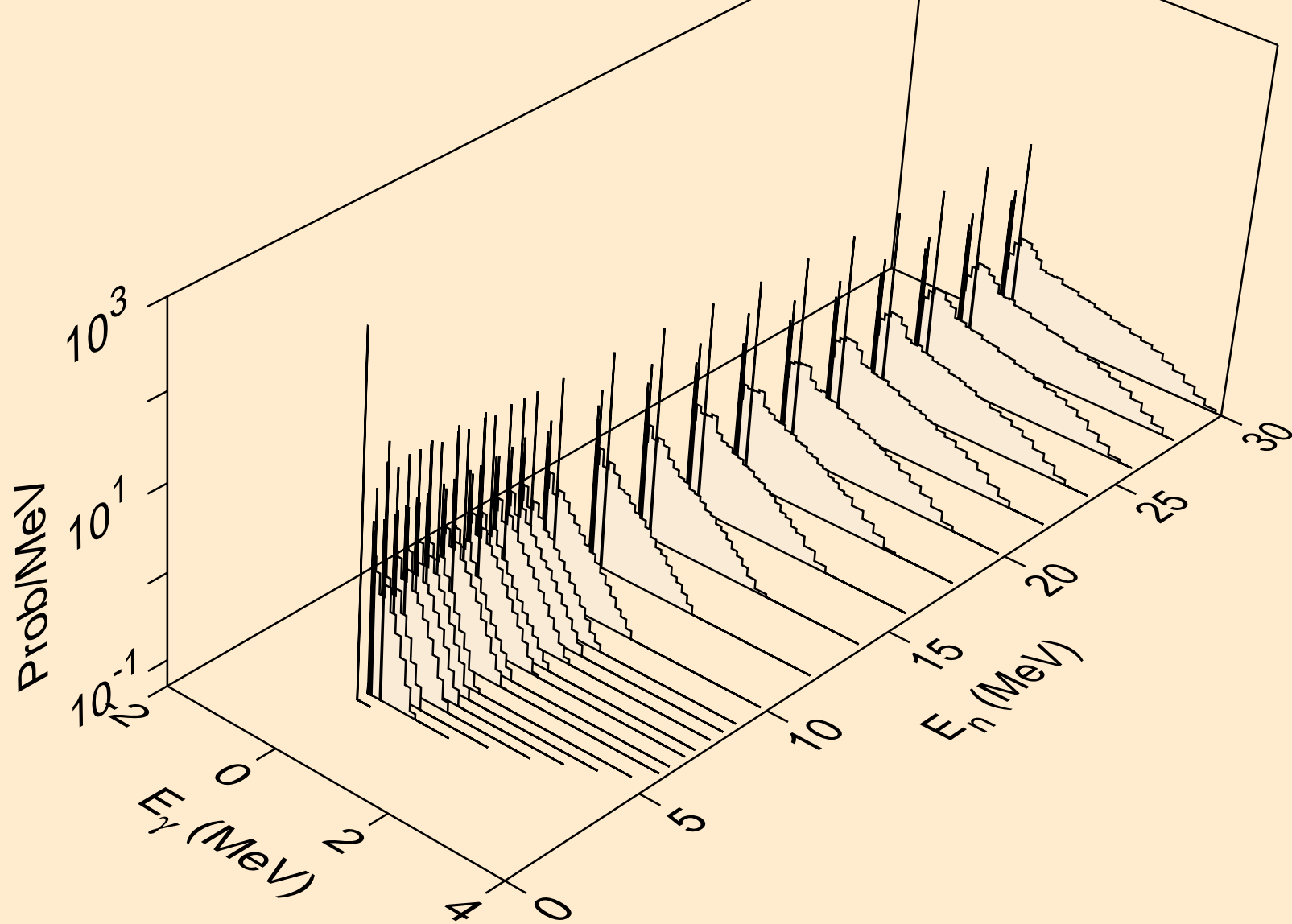


EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,t)

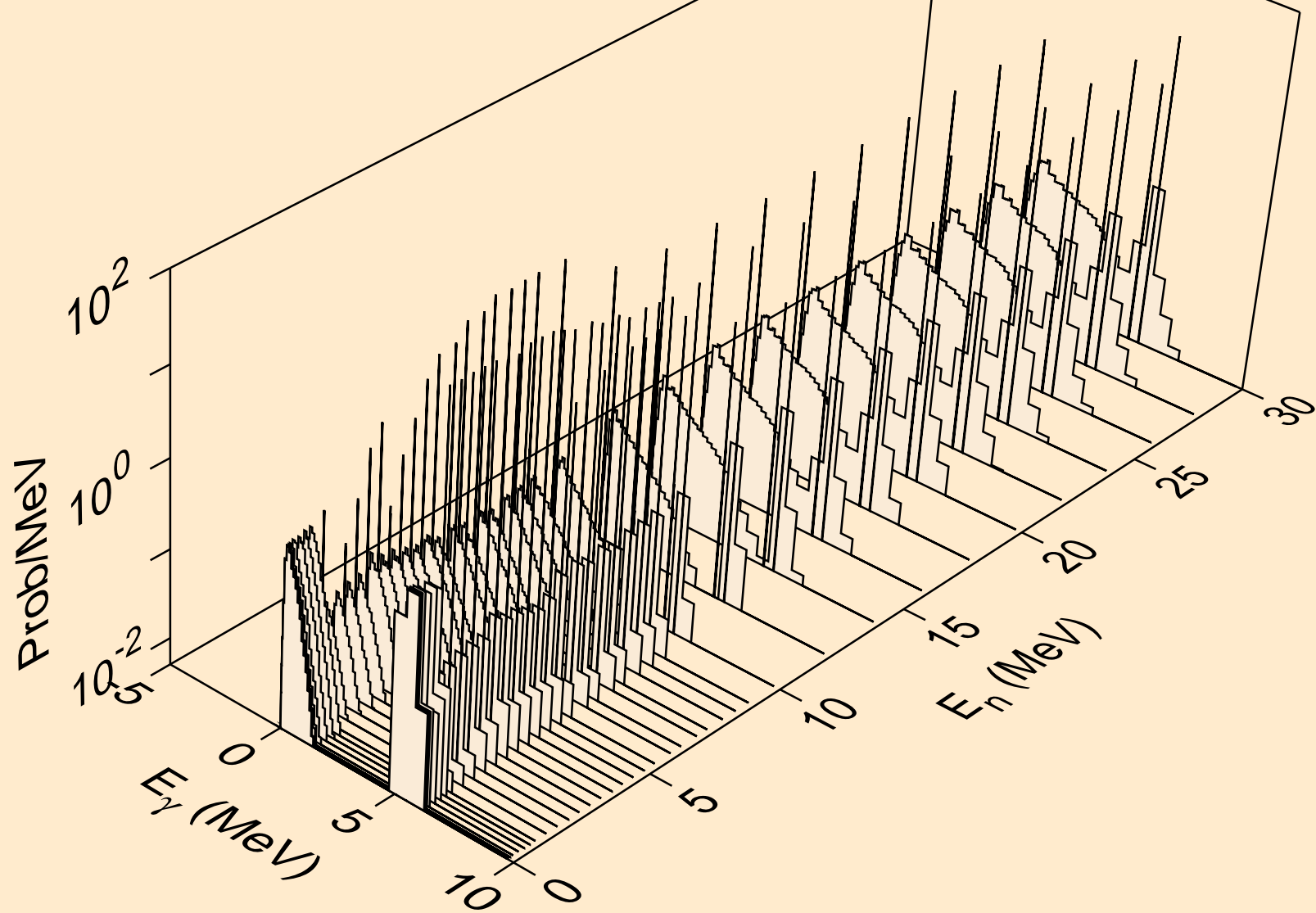




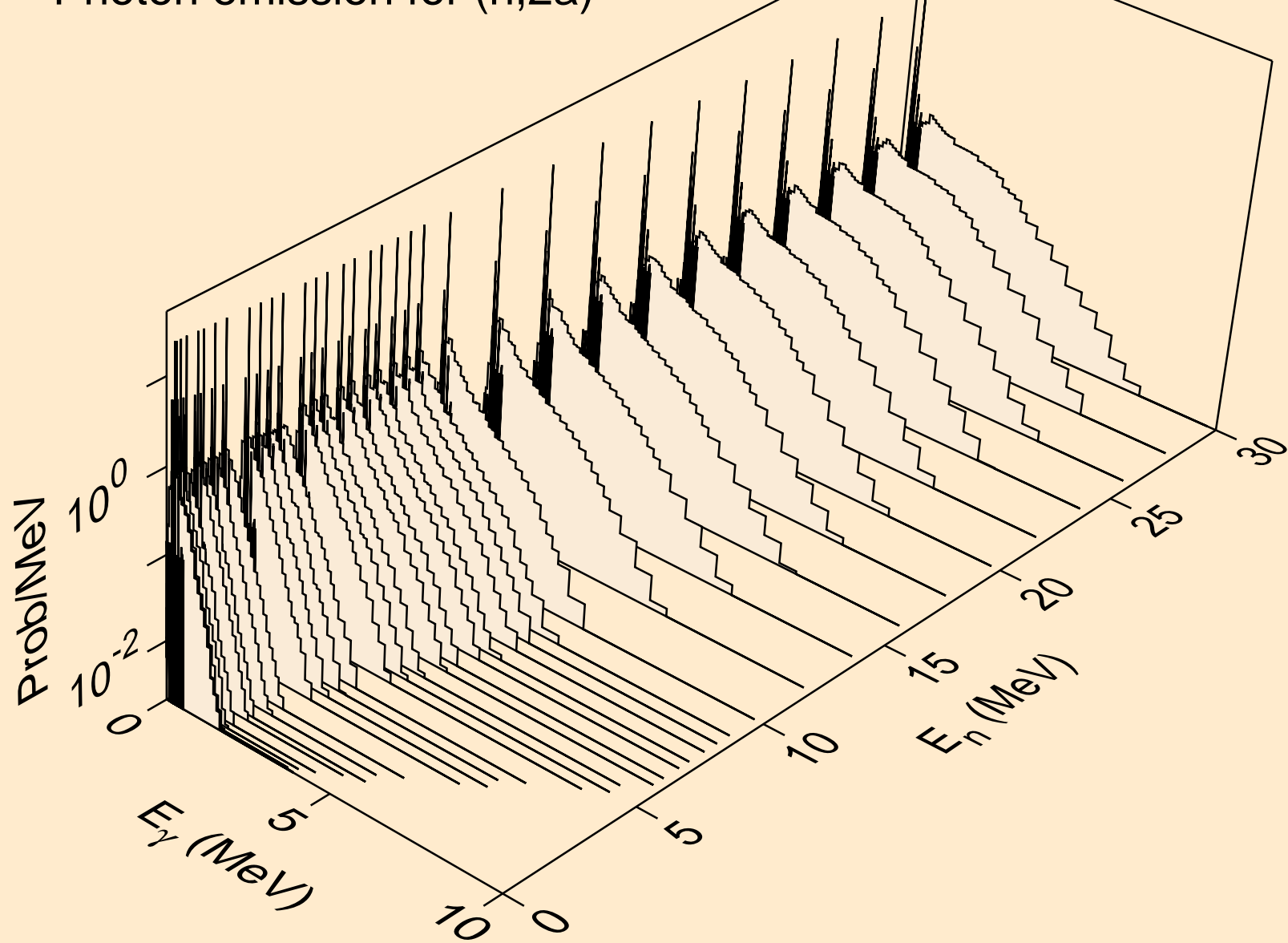
EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,he3)



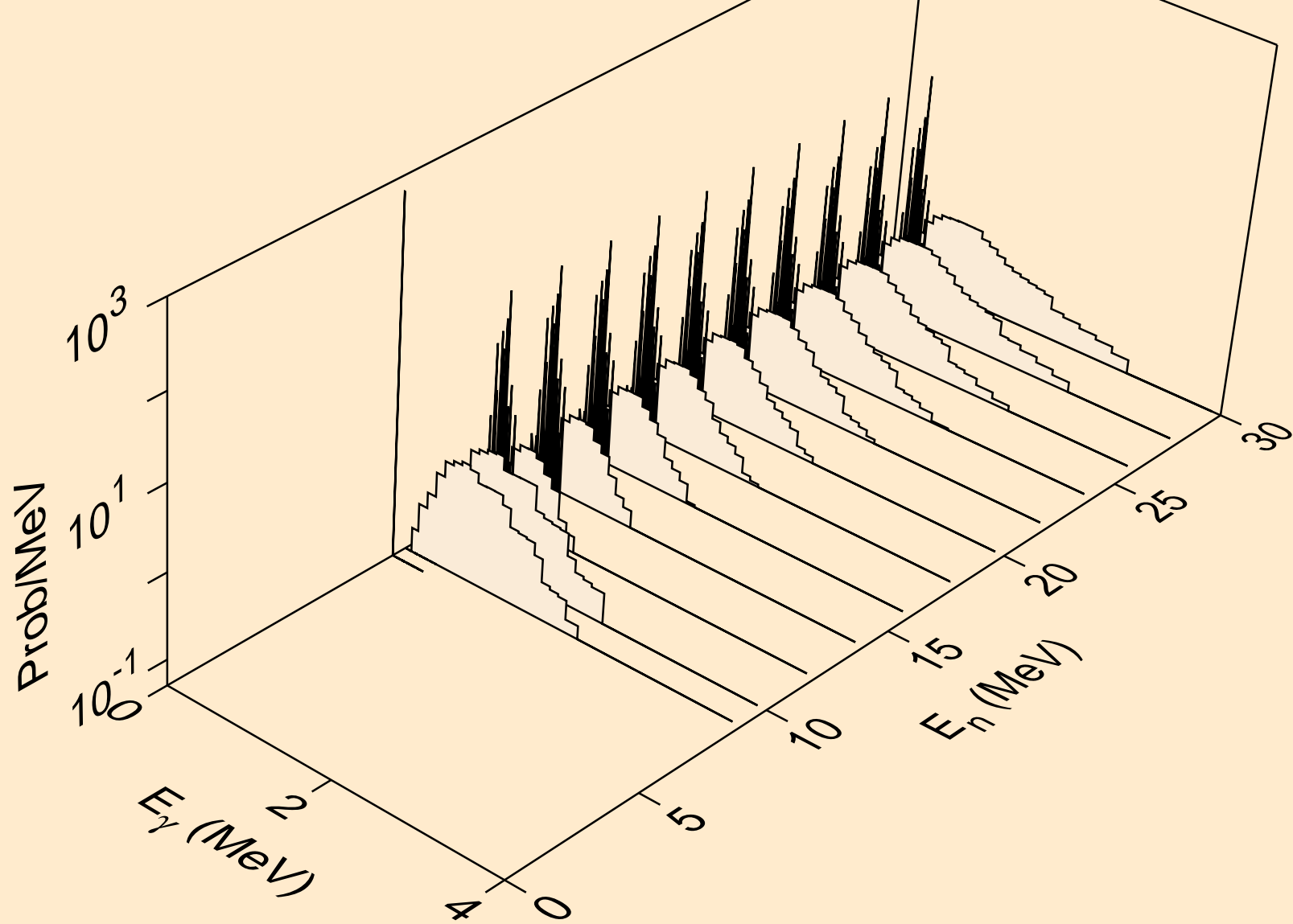
EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,a)



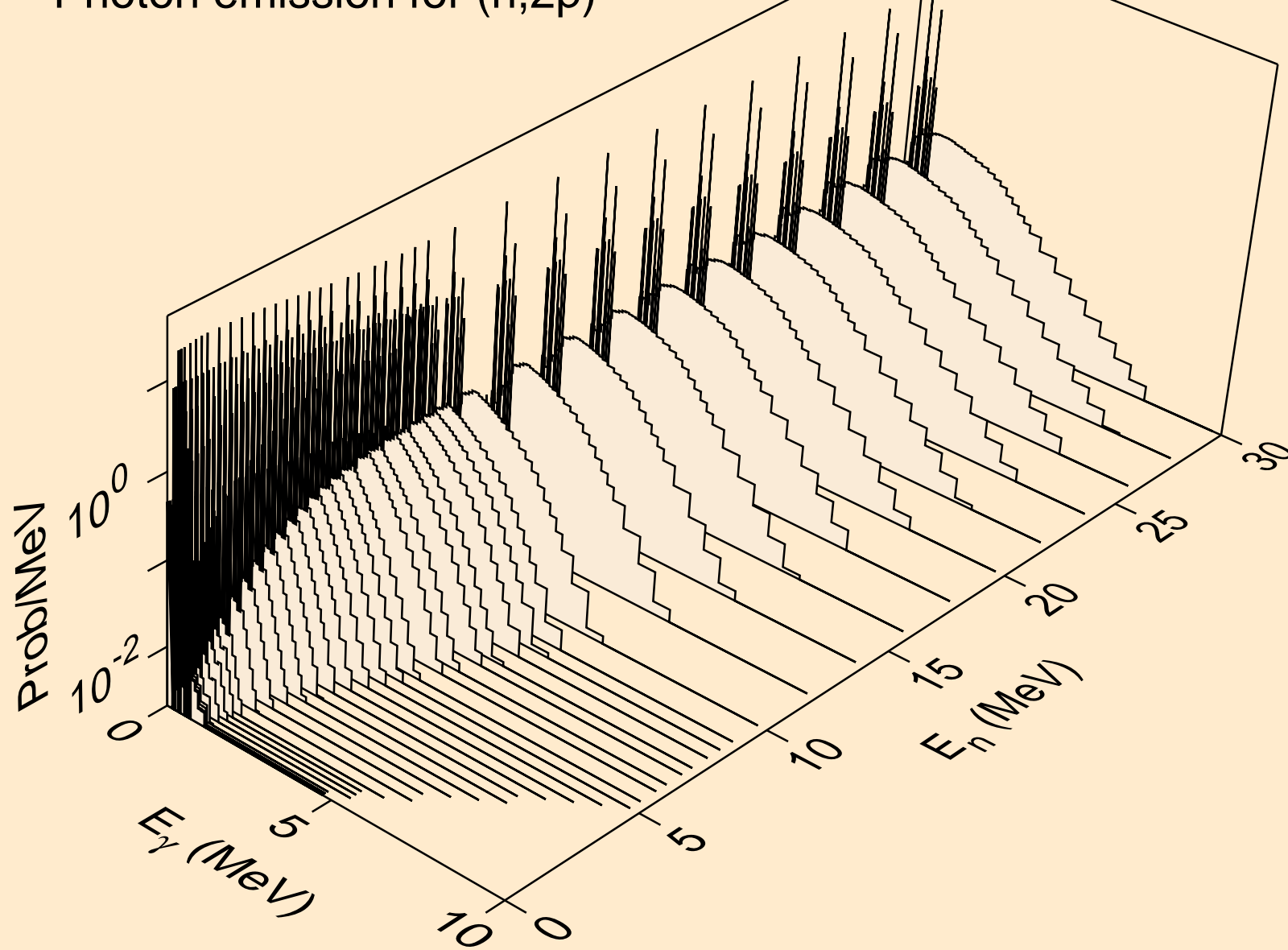
EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2a)



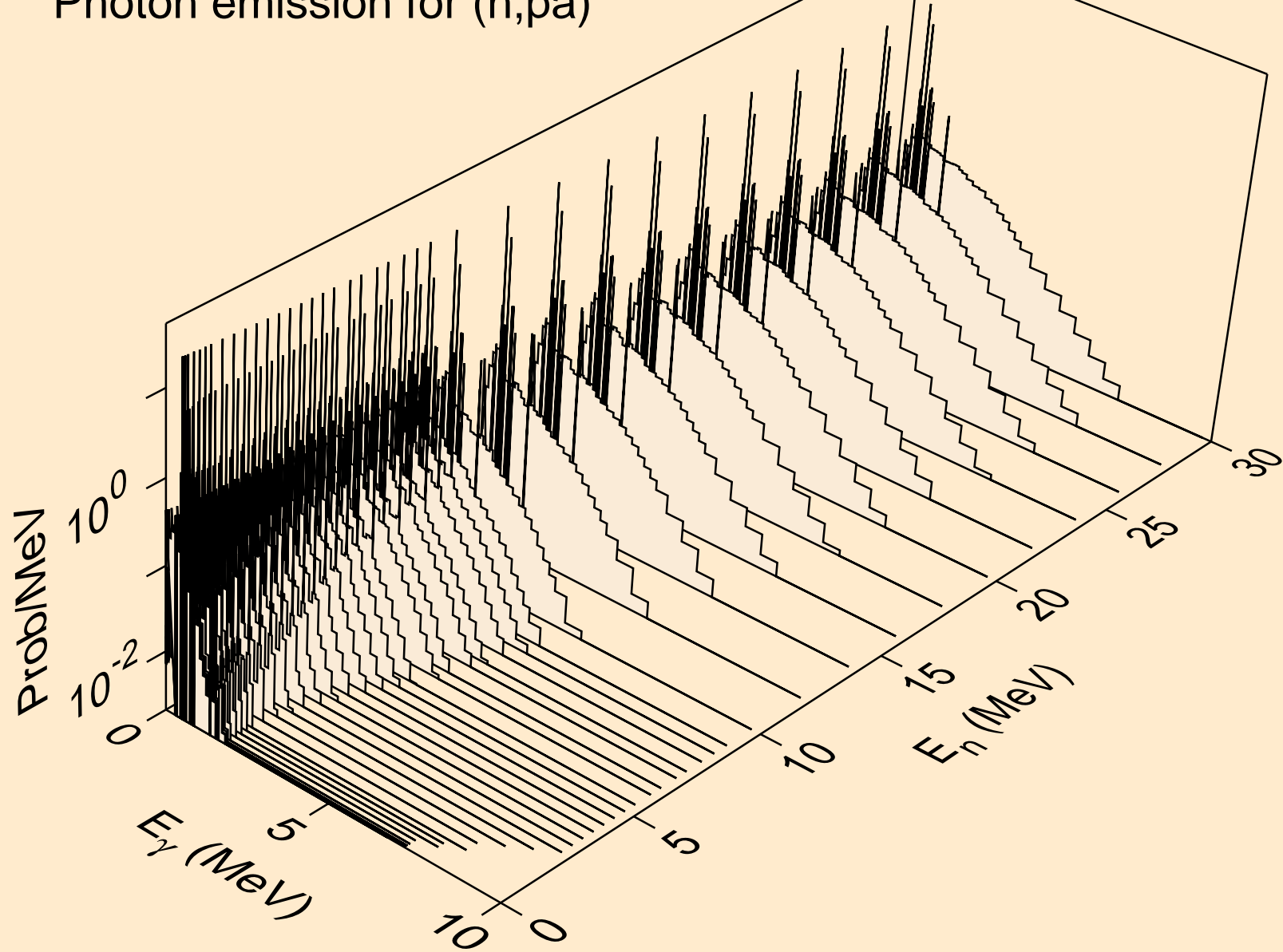
EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3a)



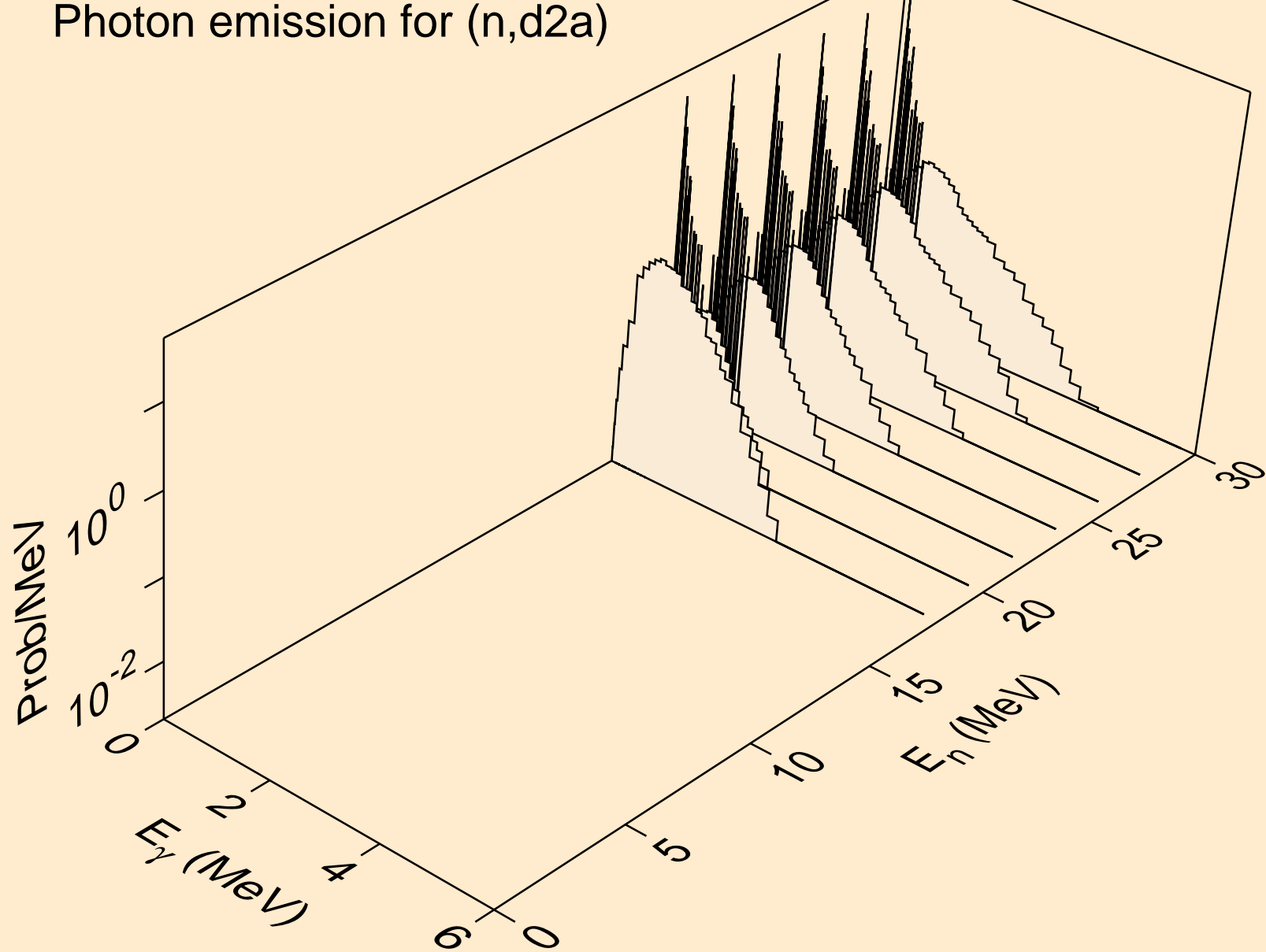
EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2p)



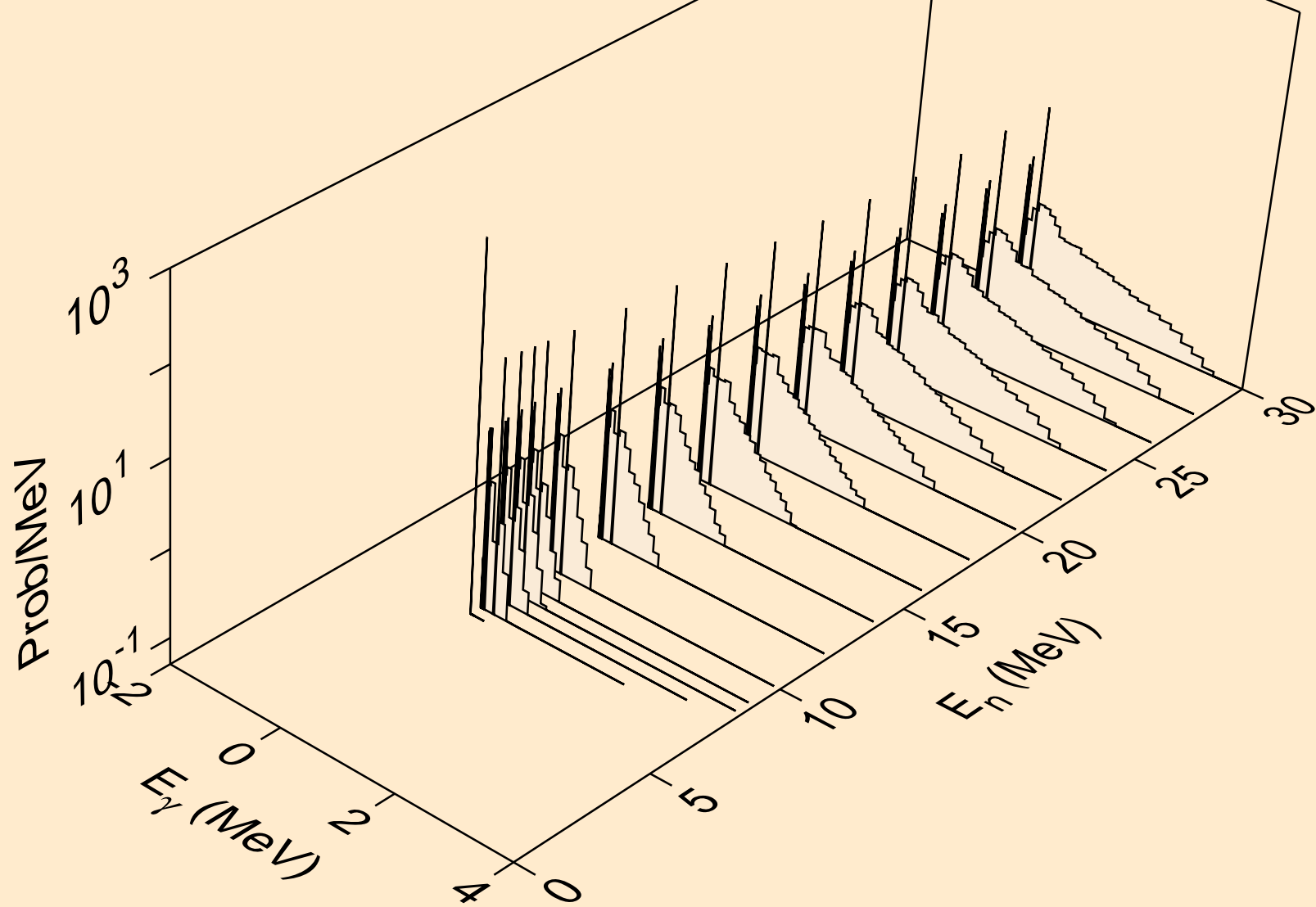
EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p $\alpha$ )



EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,d2a)



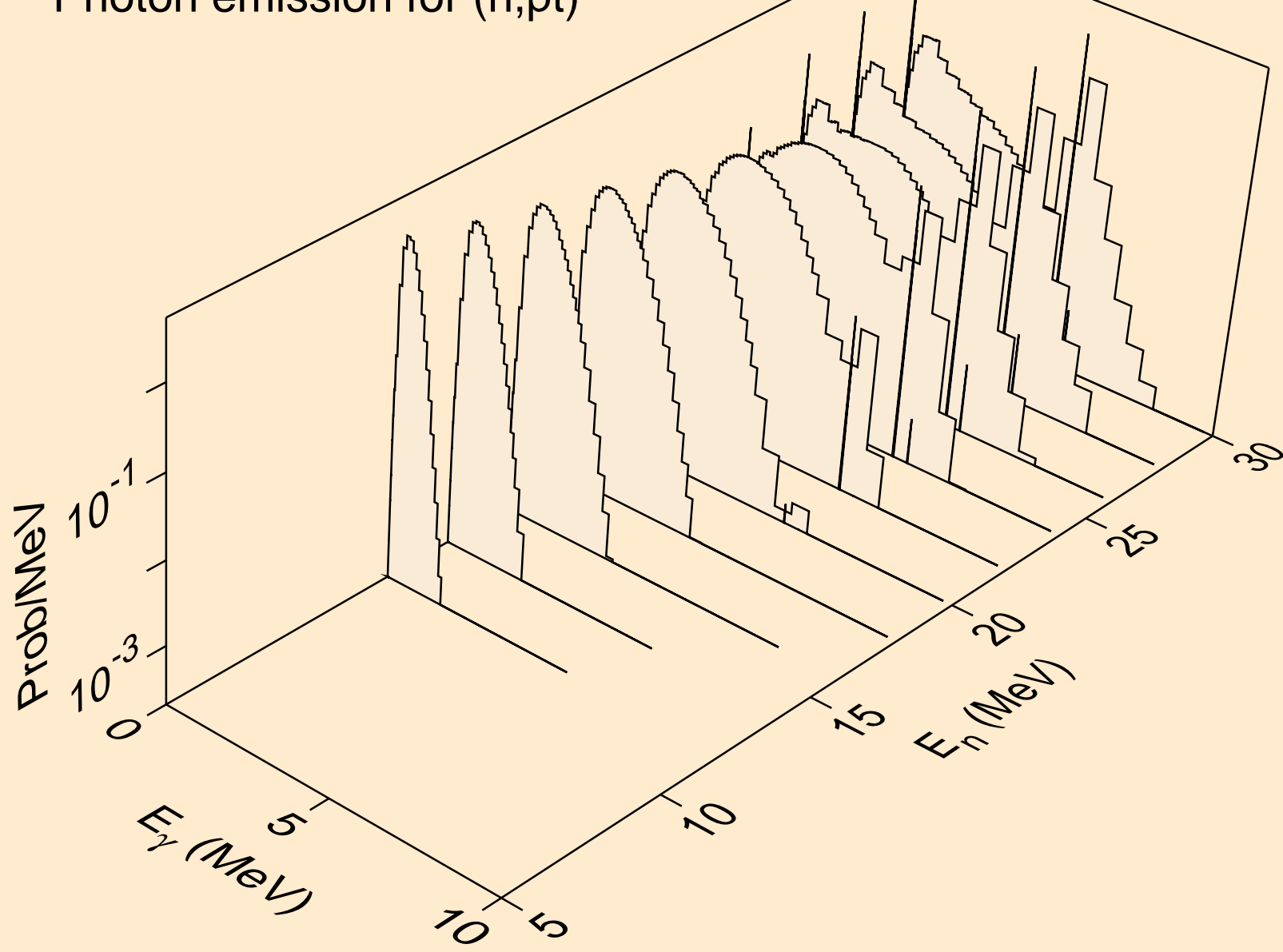
EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pd)



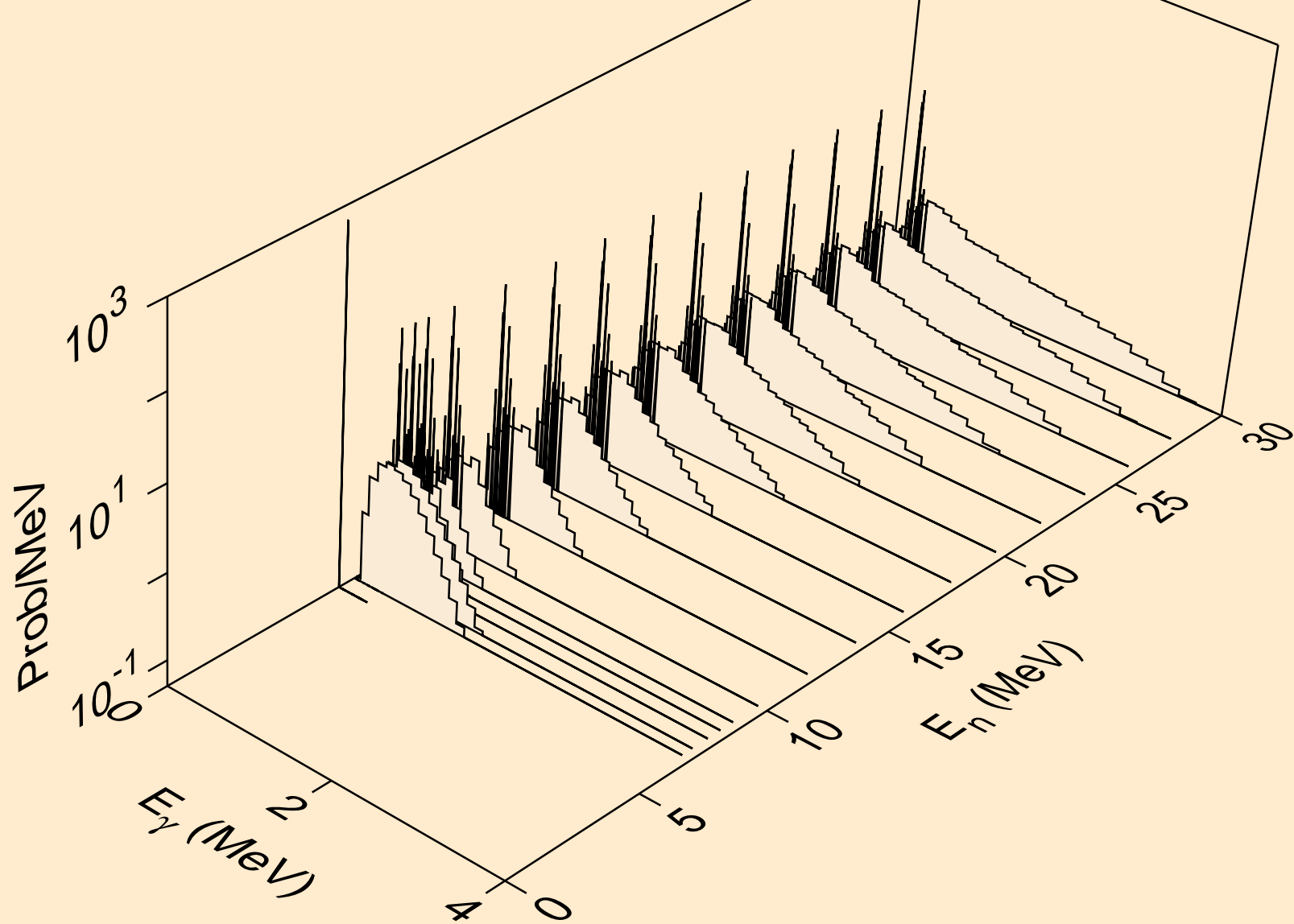


# EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

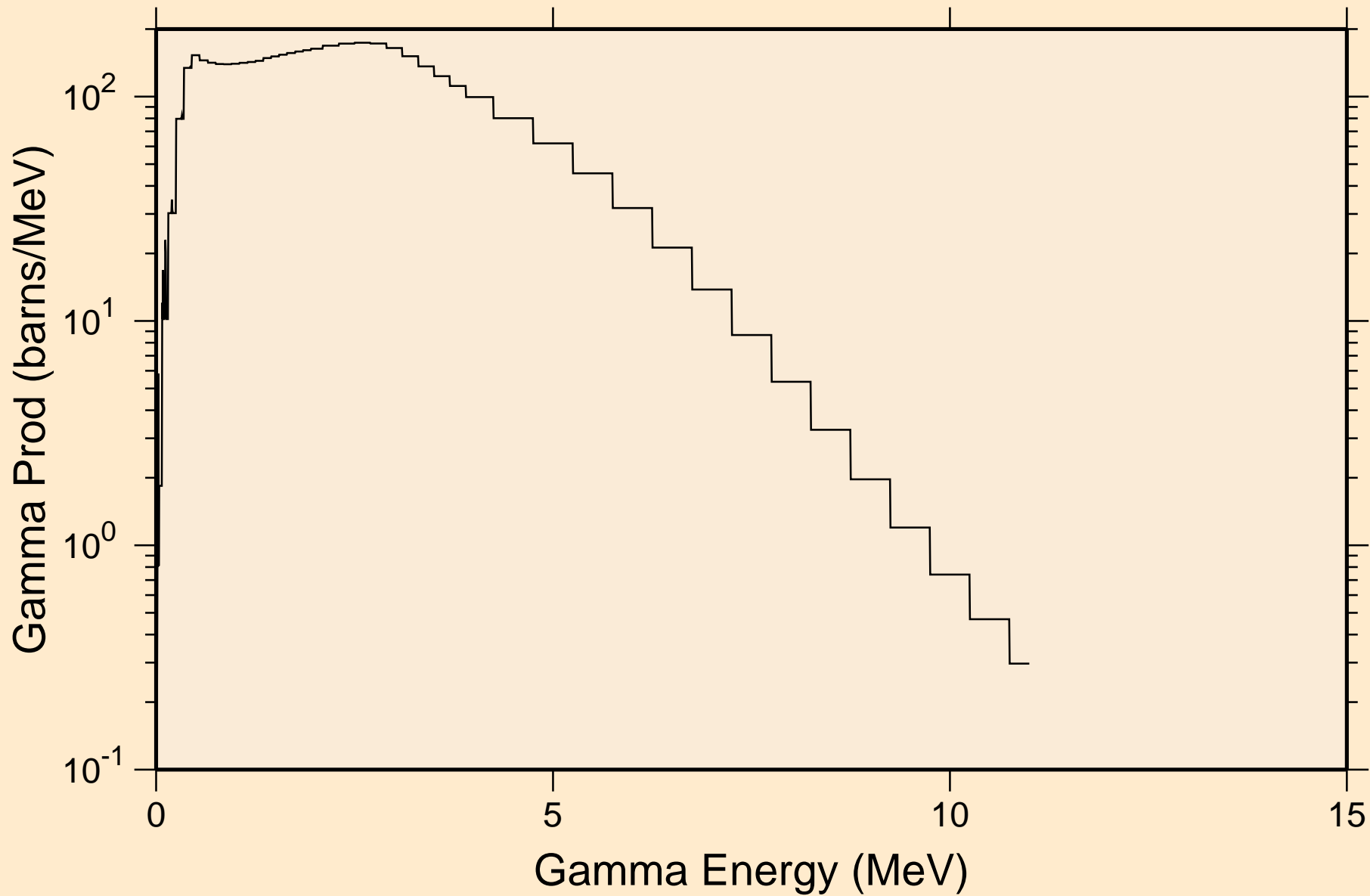
Photon emission for (n,pt)



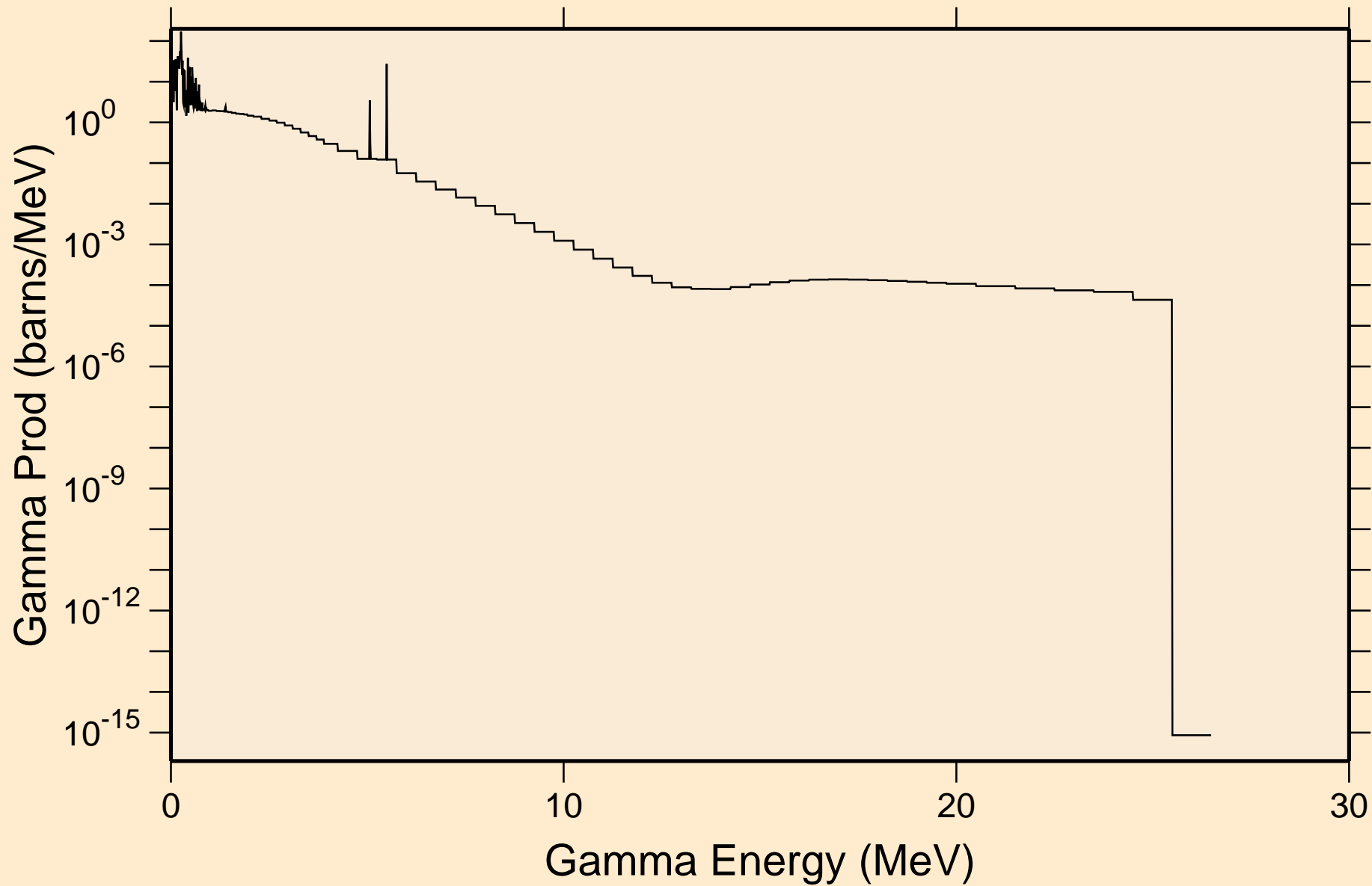
EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,da)



EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
thermal capture photon spectrum

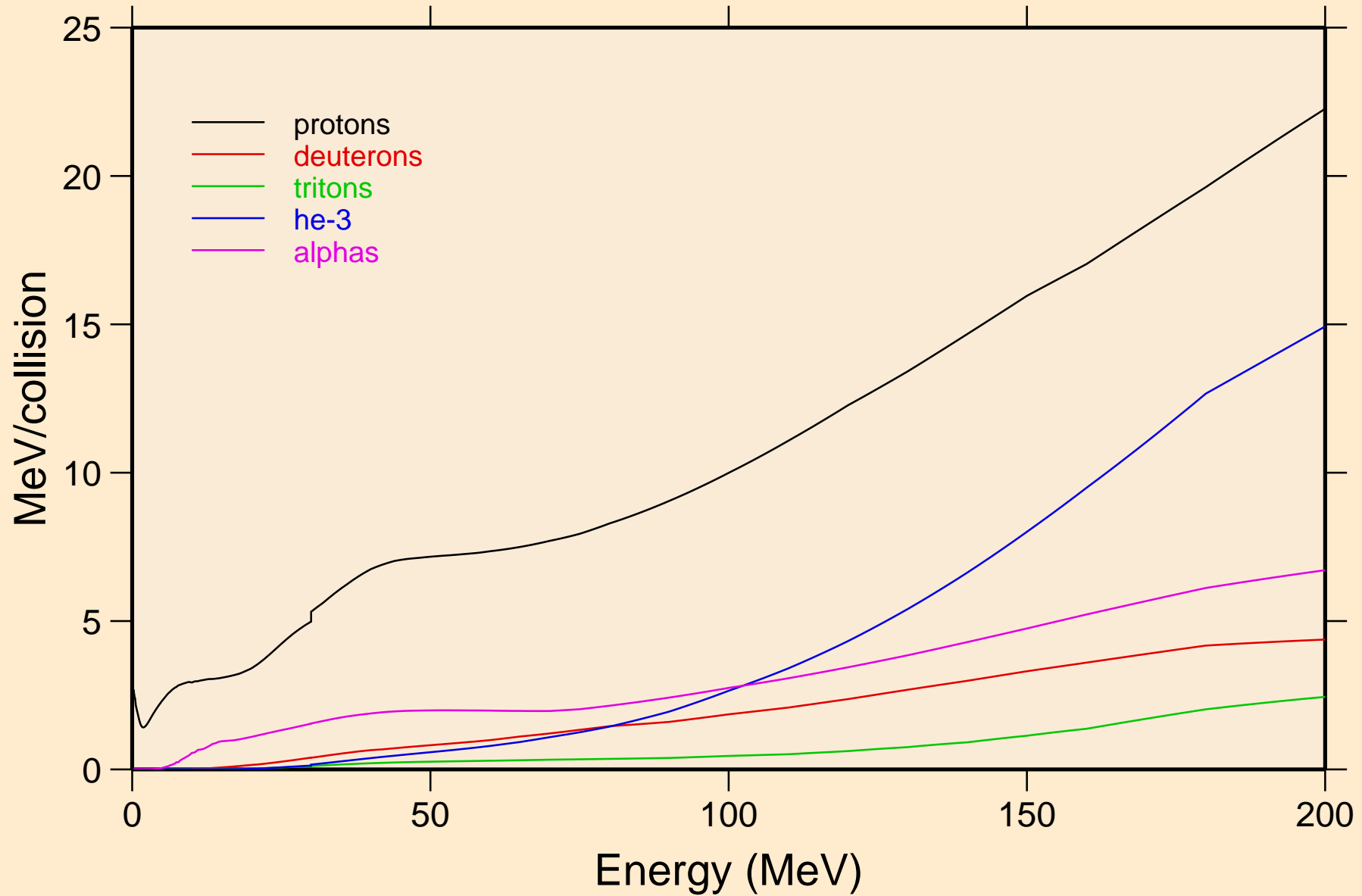


EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
14 MeV photon spectrum

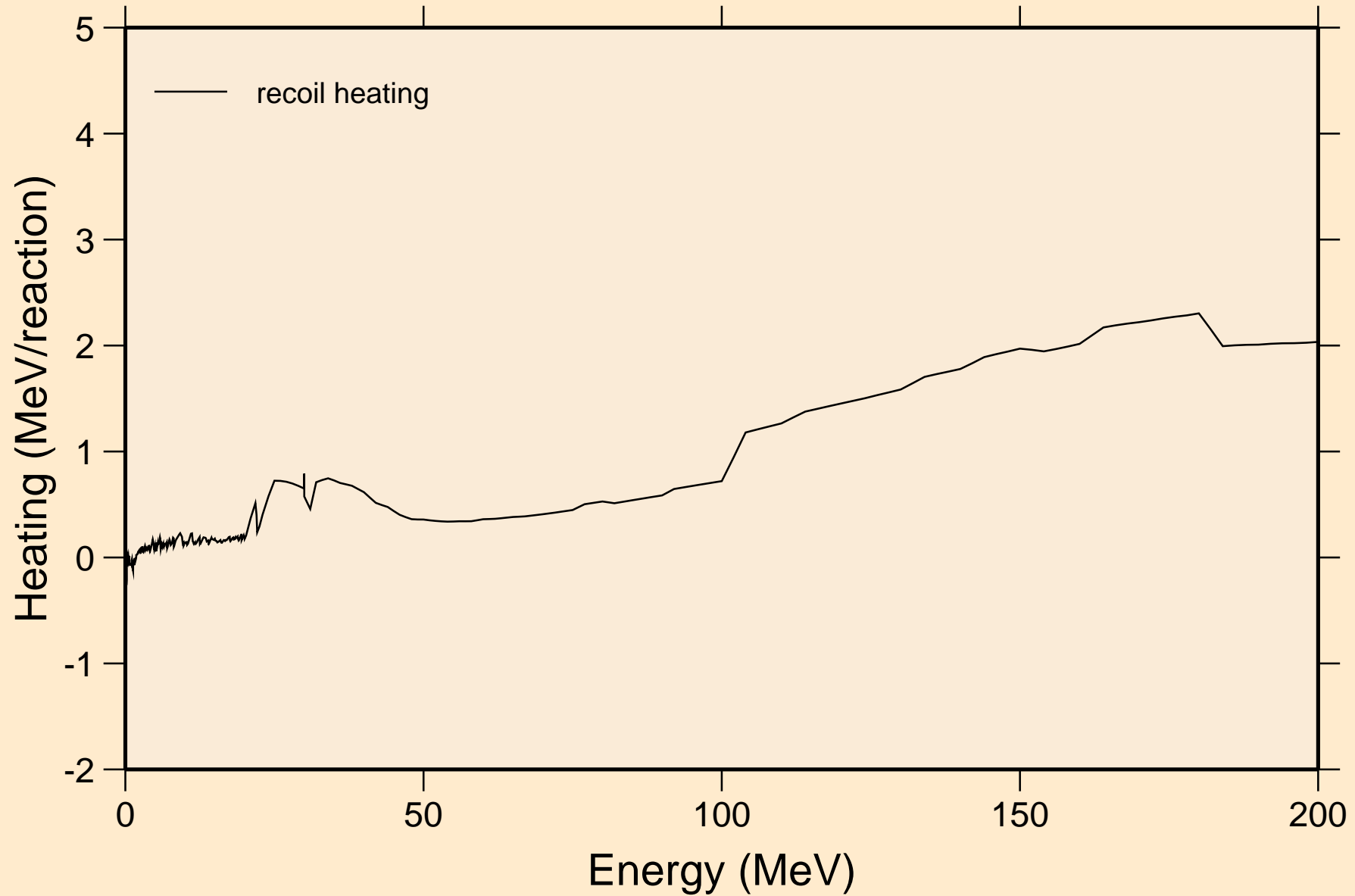


# EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Particle heating contributions

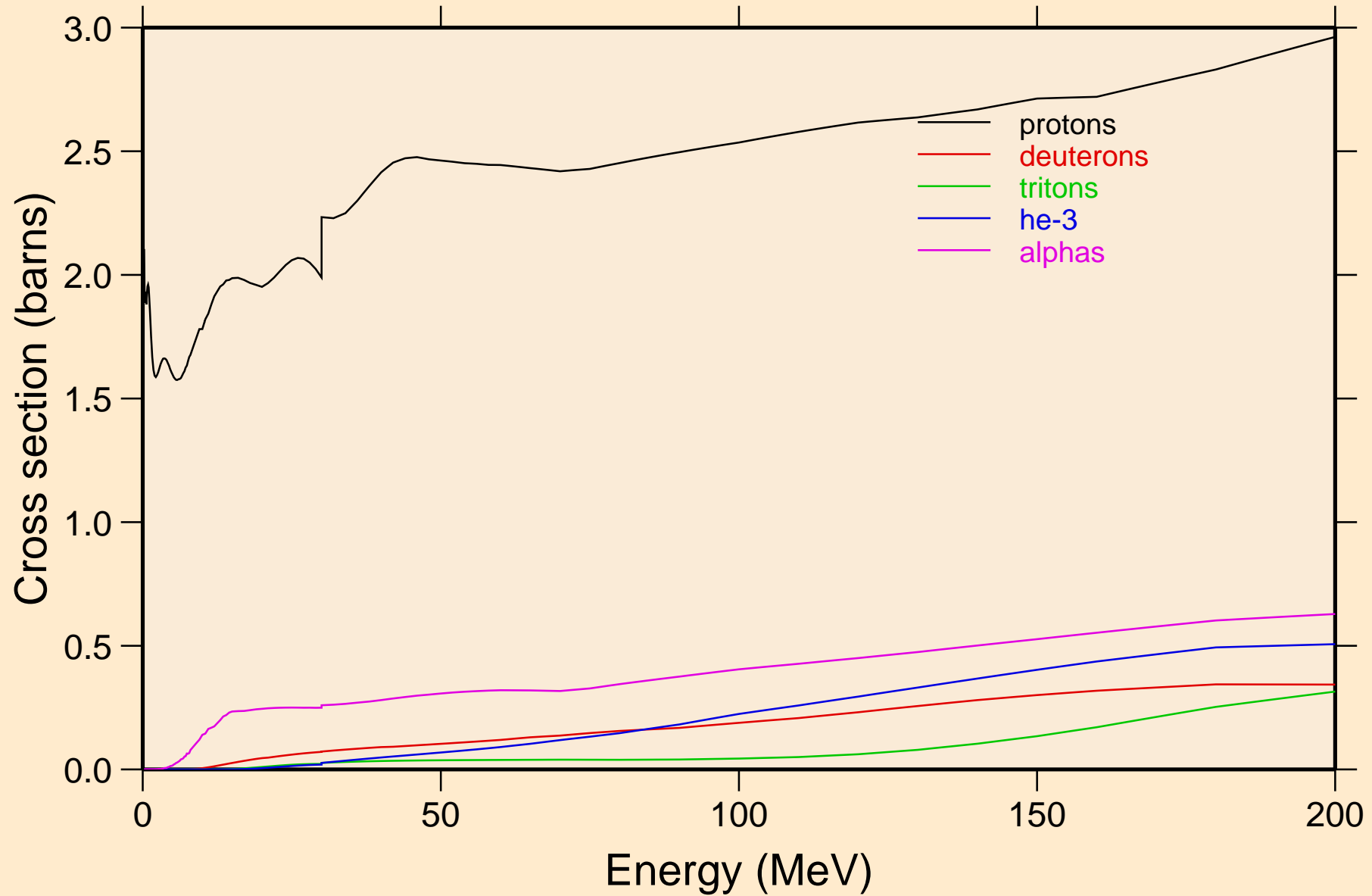


EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Recoil Heating

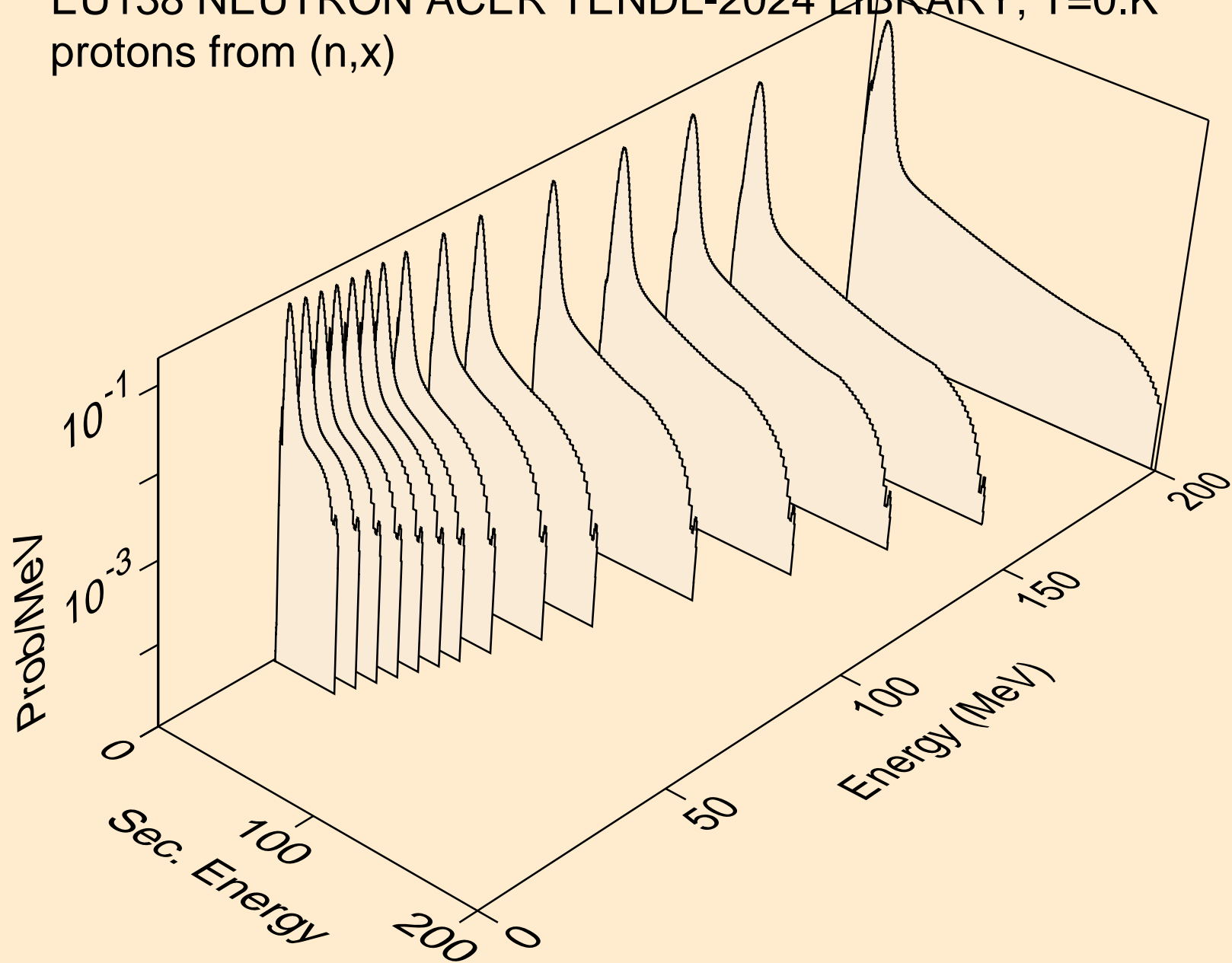


# EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Particle production cross sections

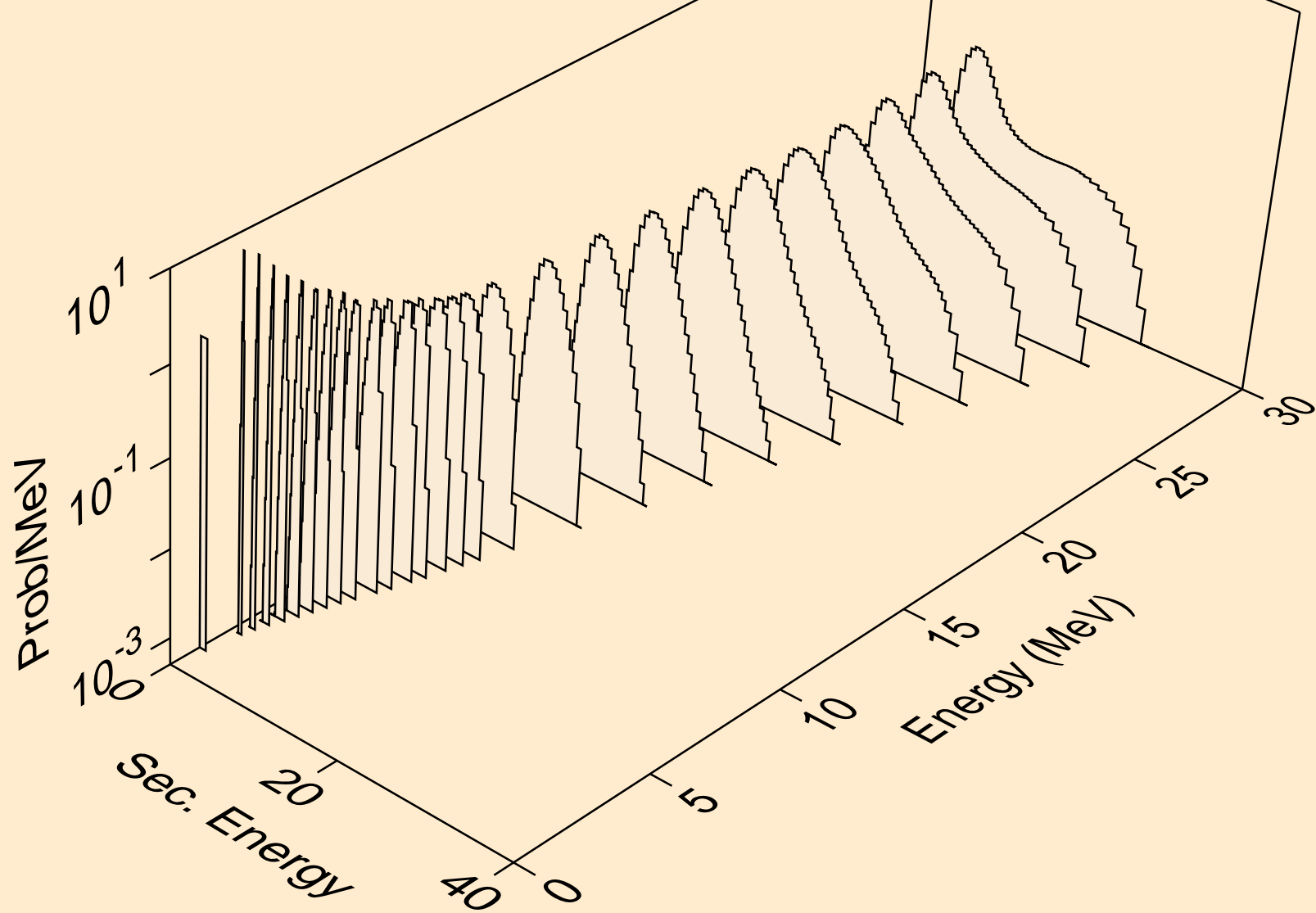


EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,x)

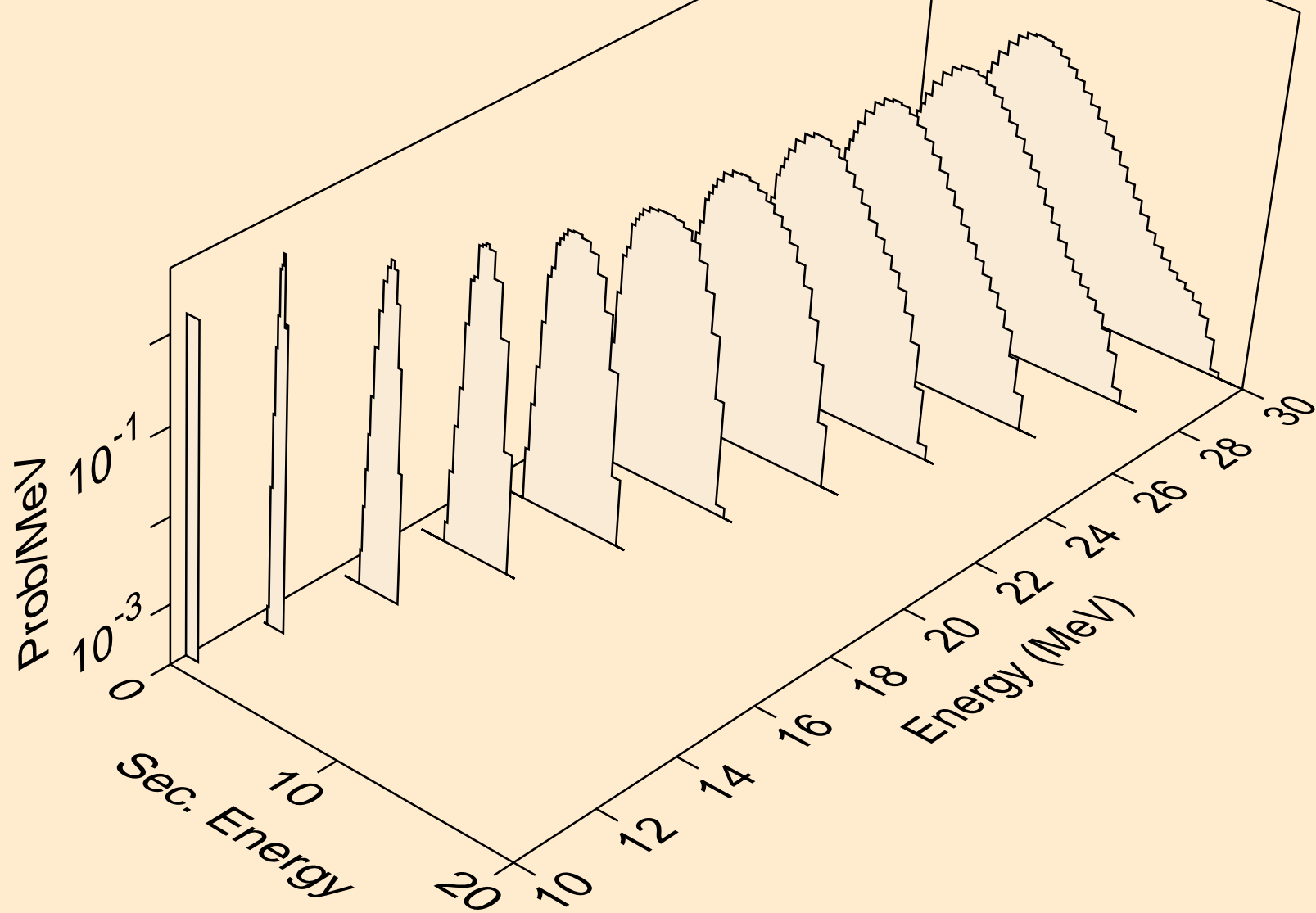




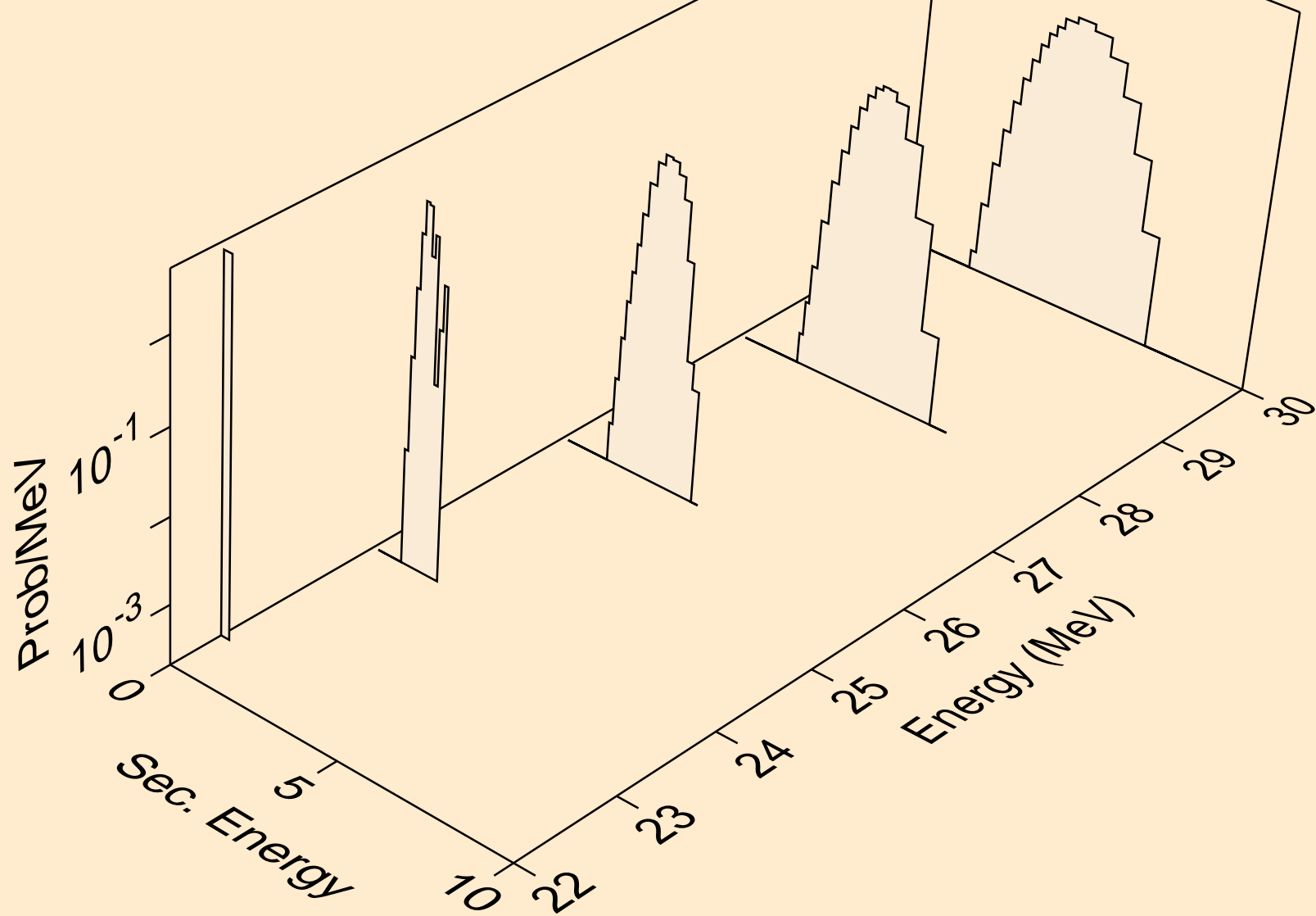
EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,n\*)p



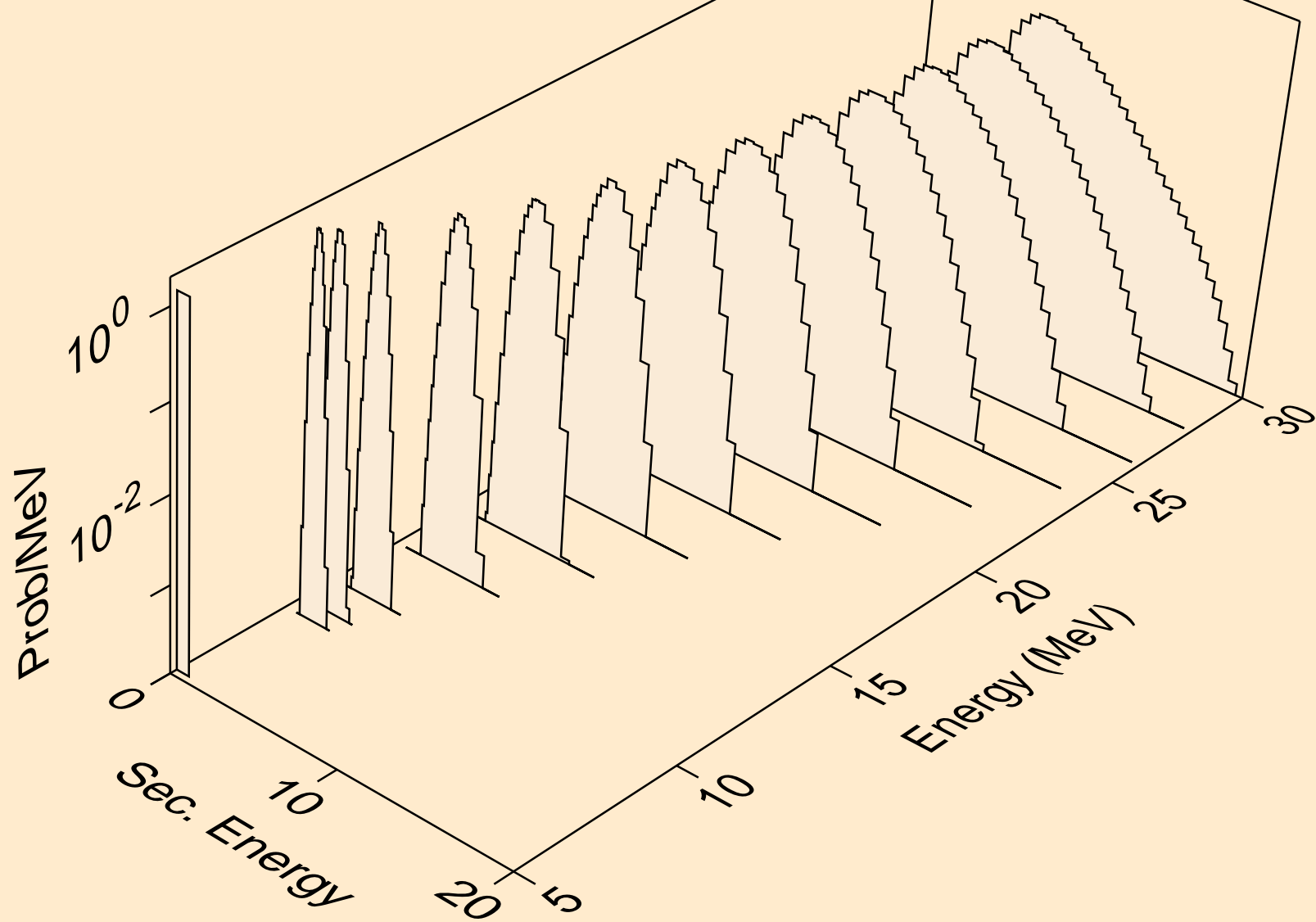
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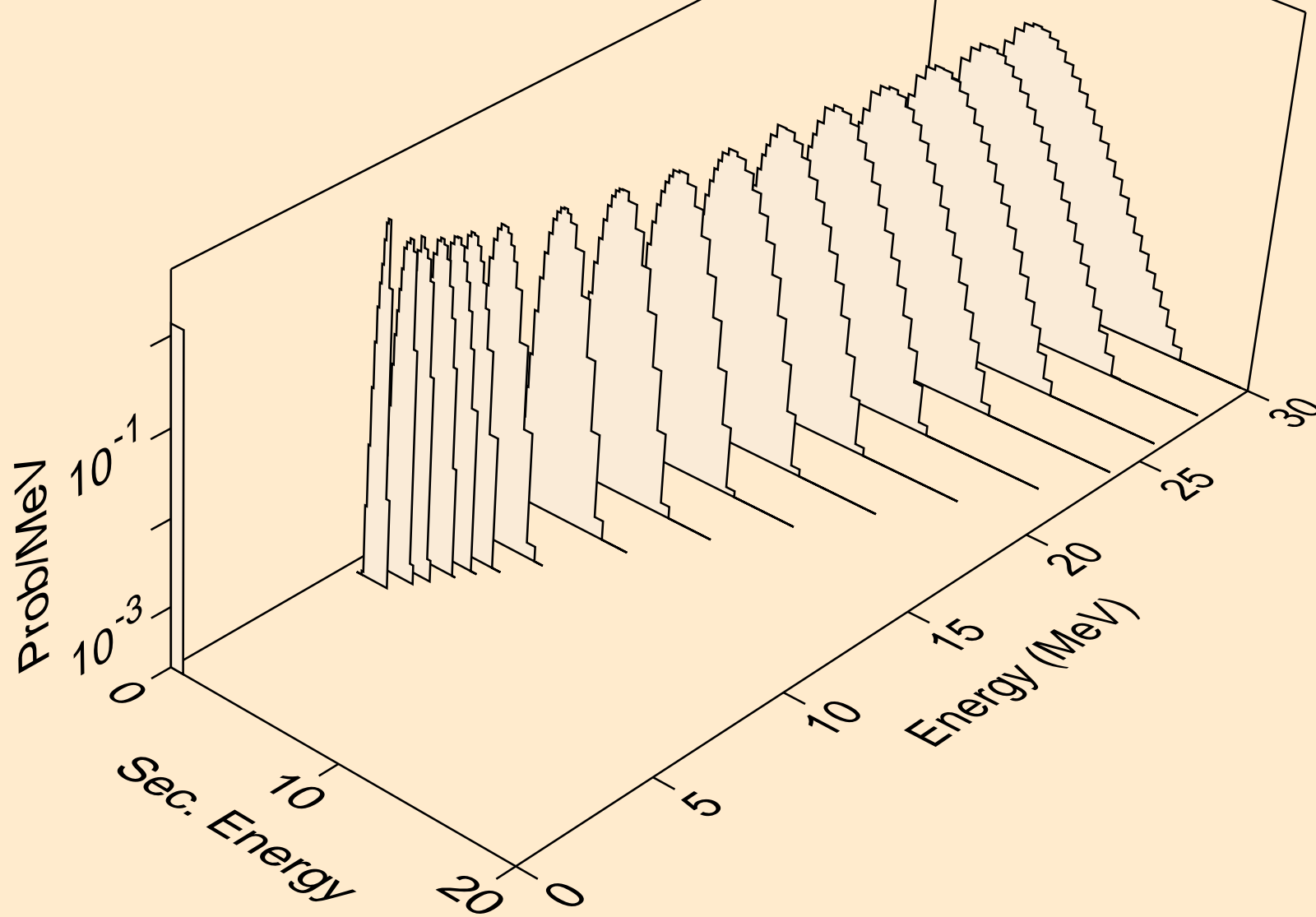
EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
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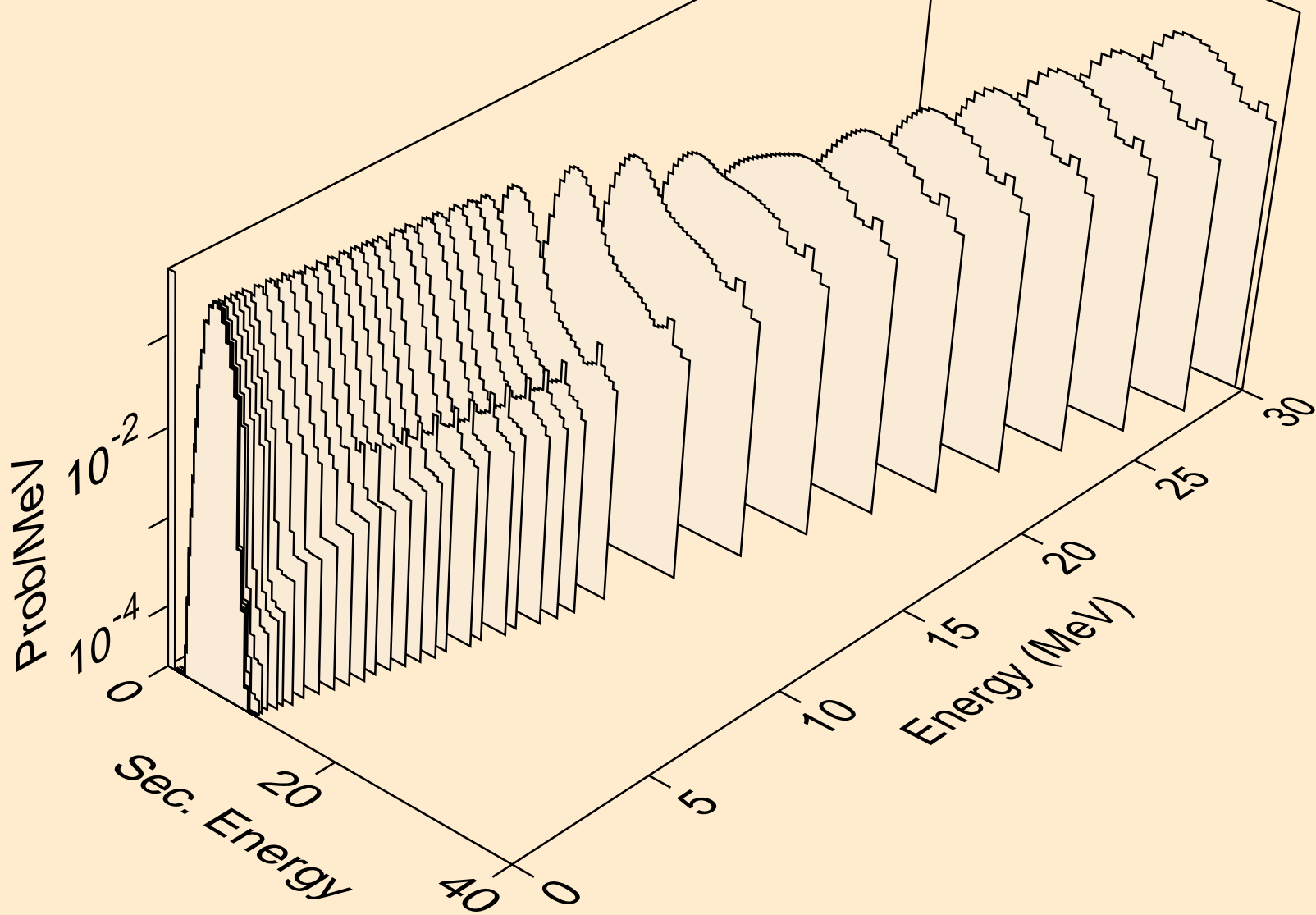
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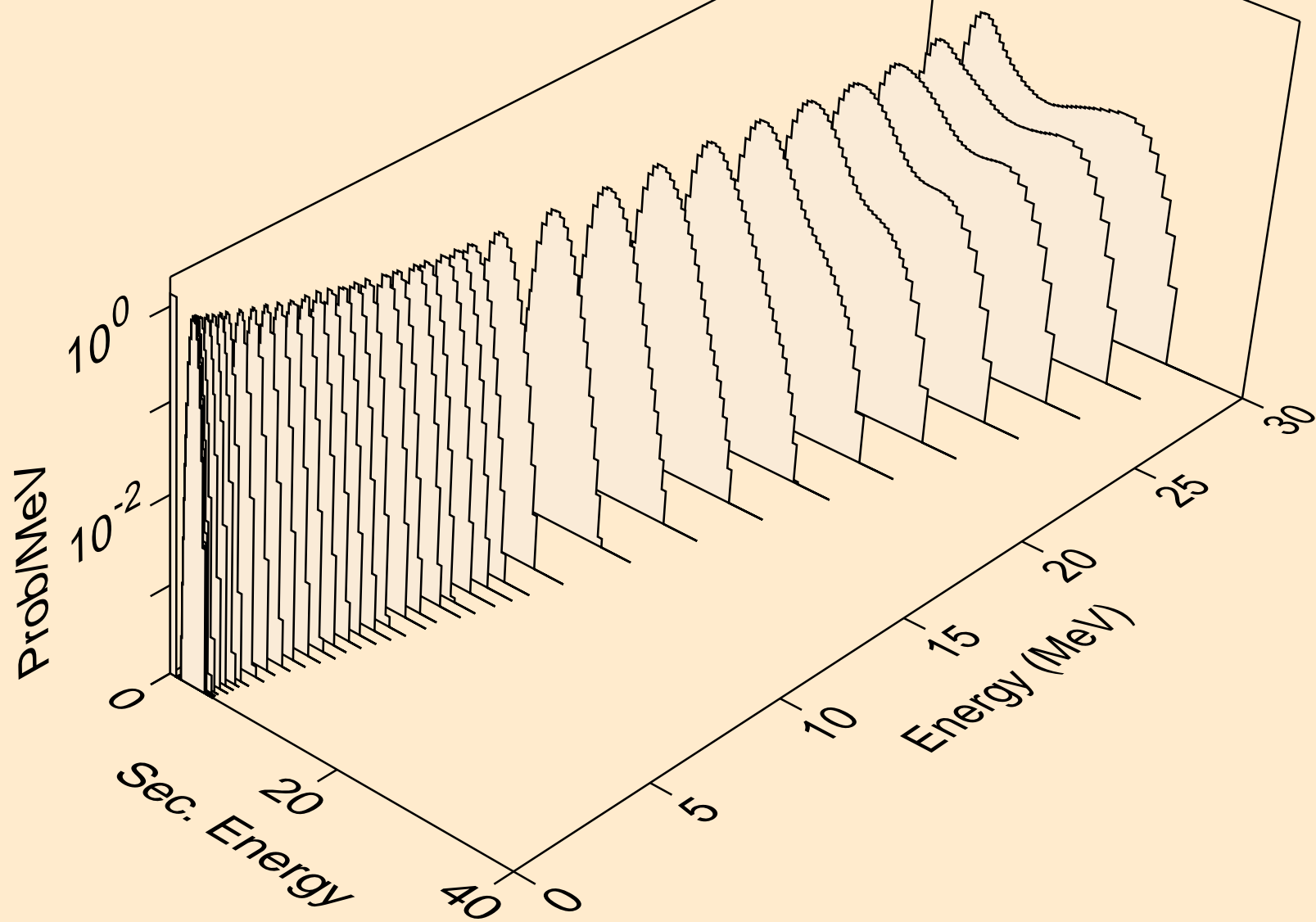
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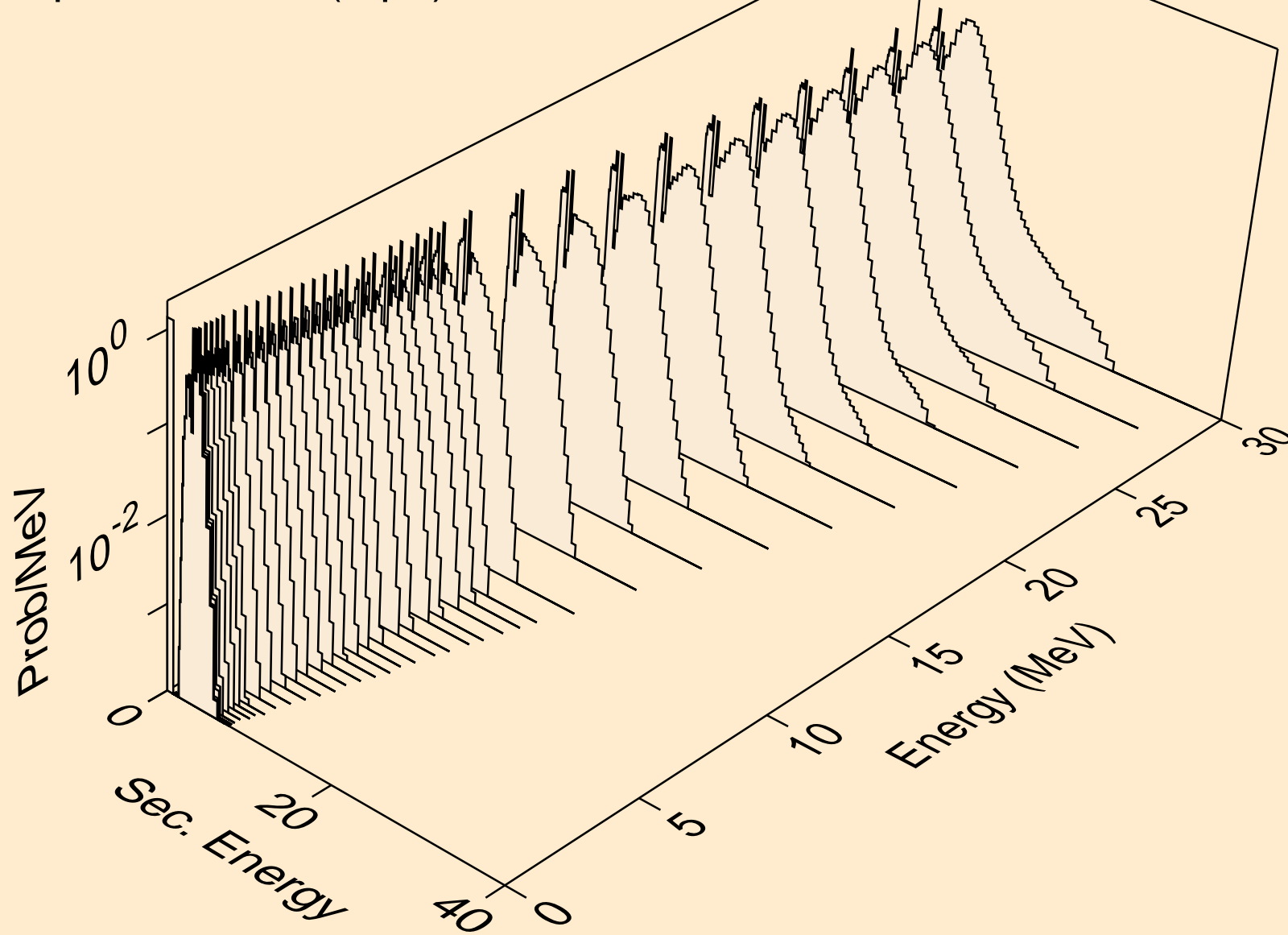
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EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
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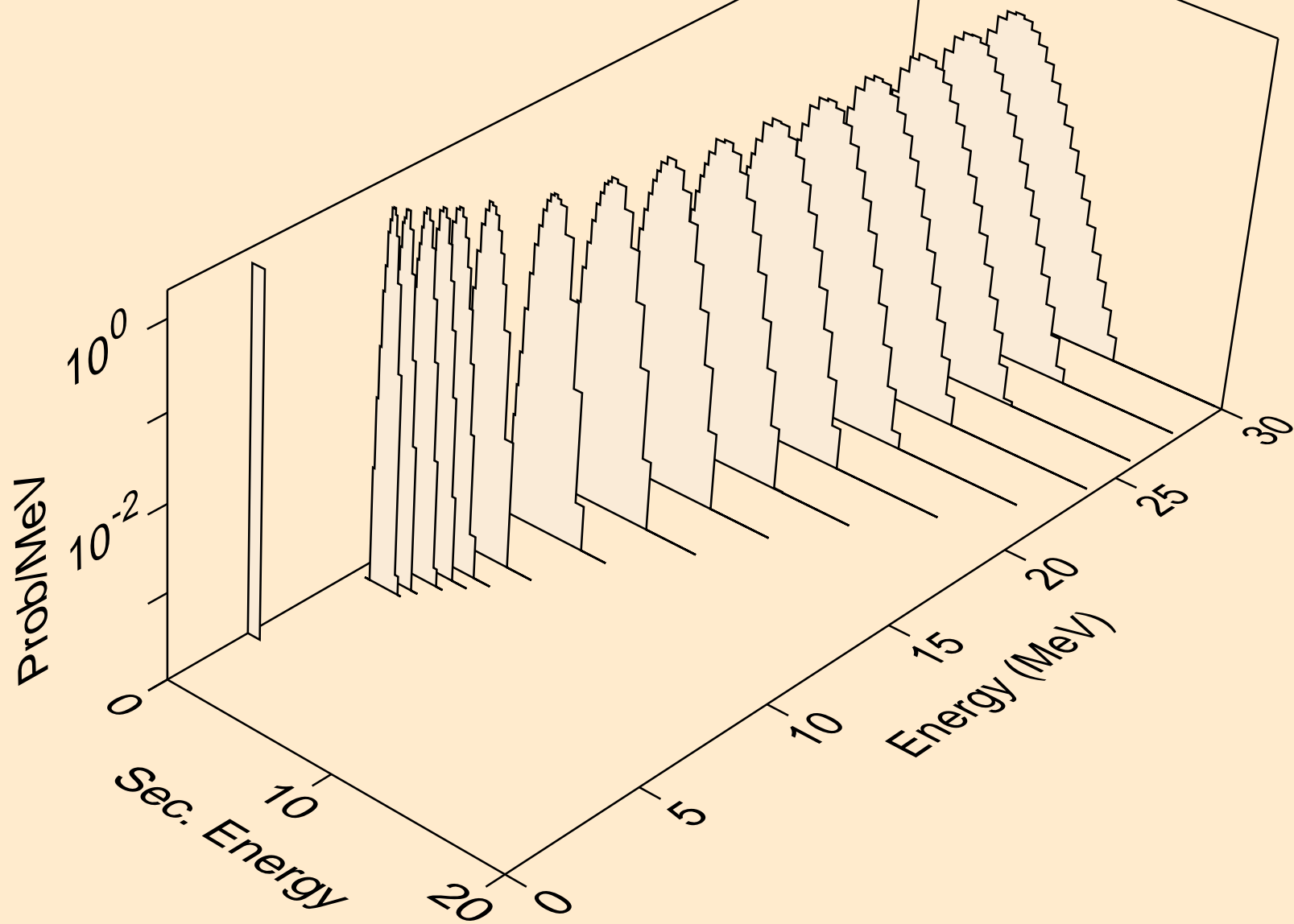


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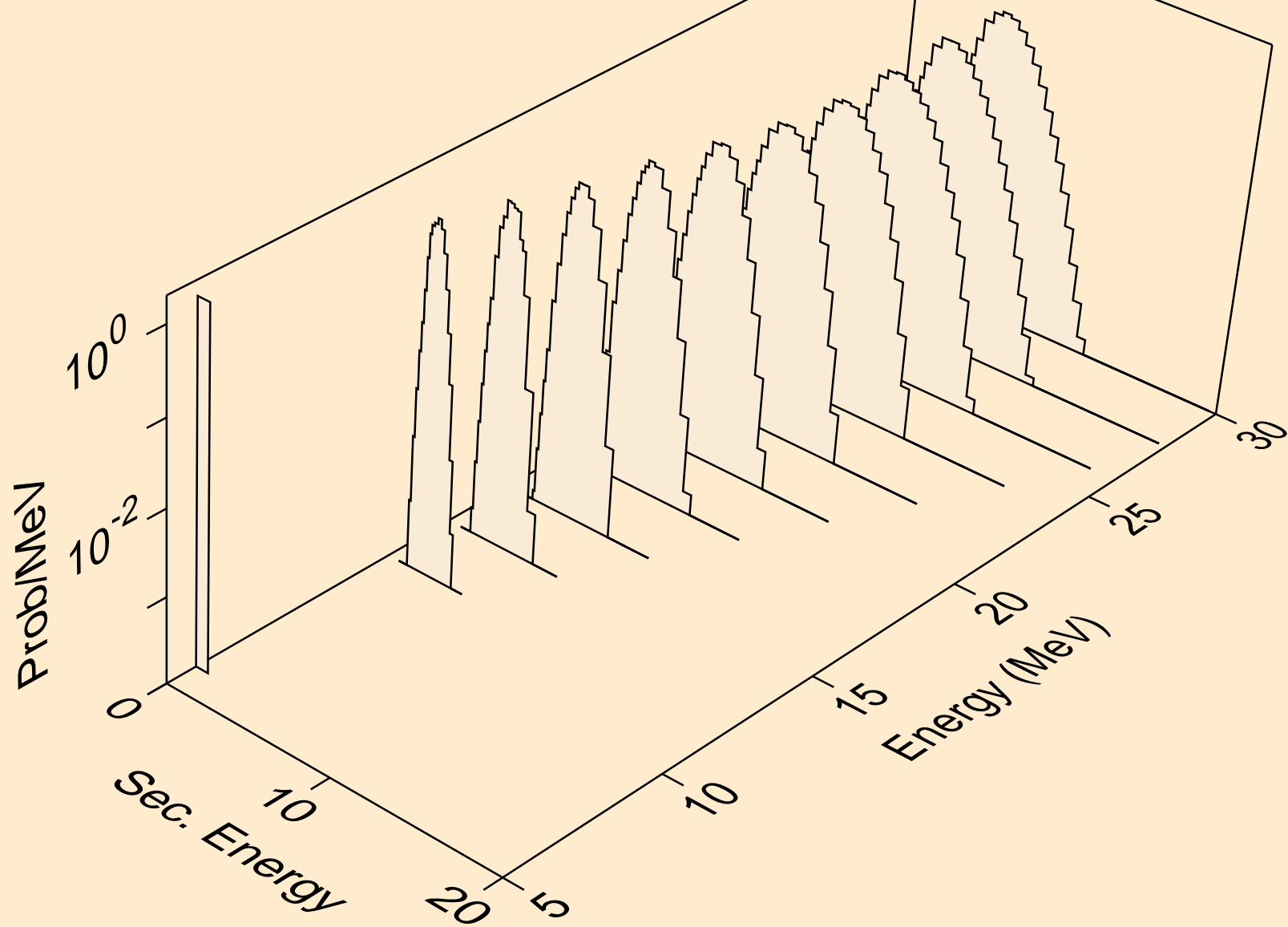




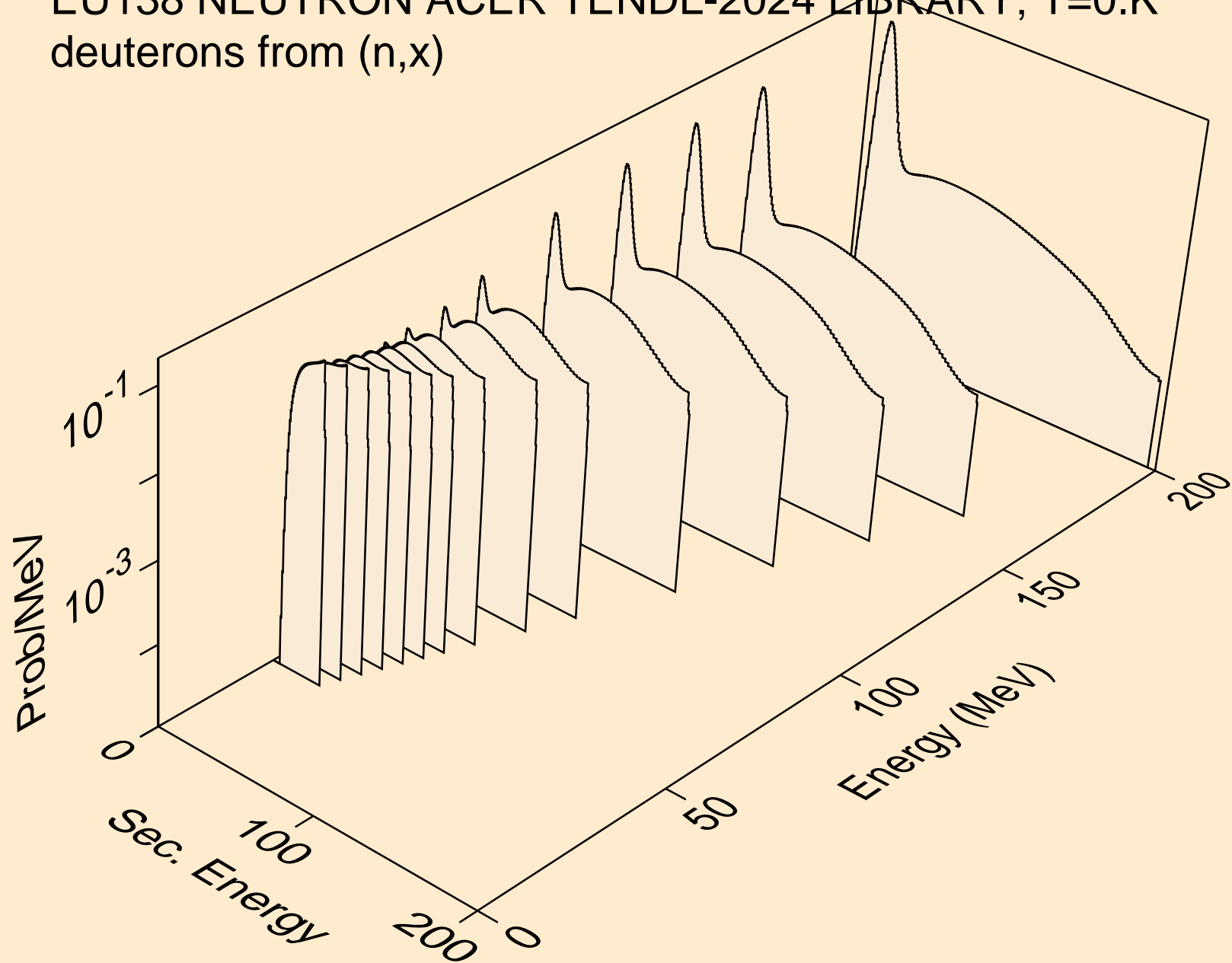
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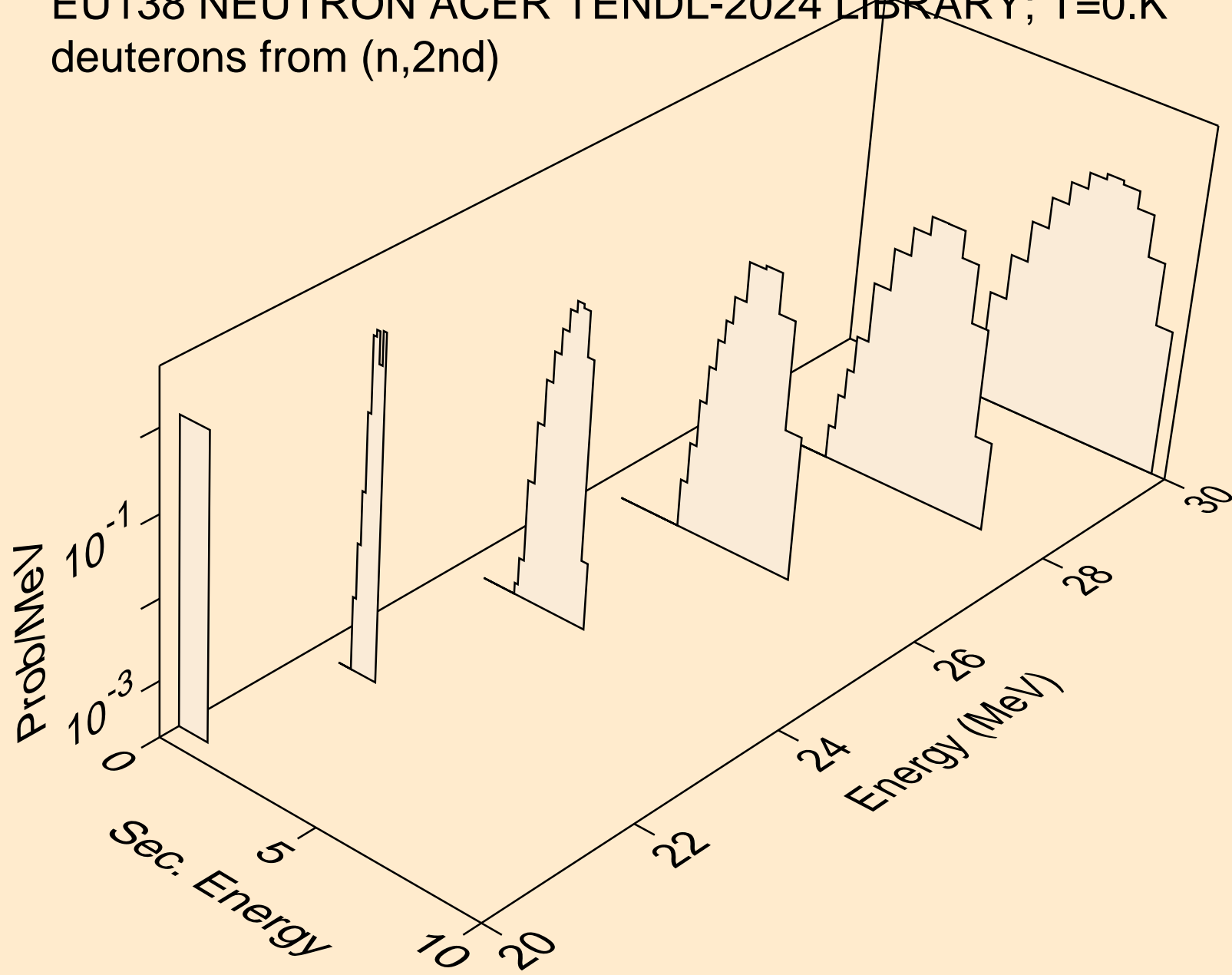
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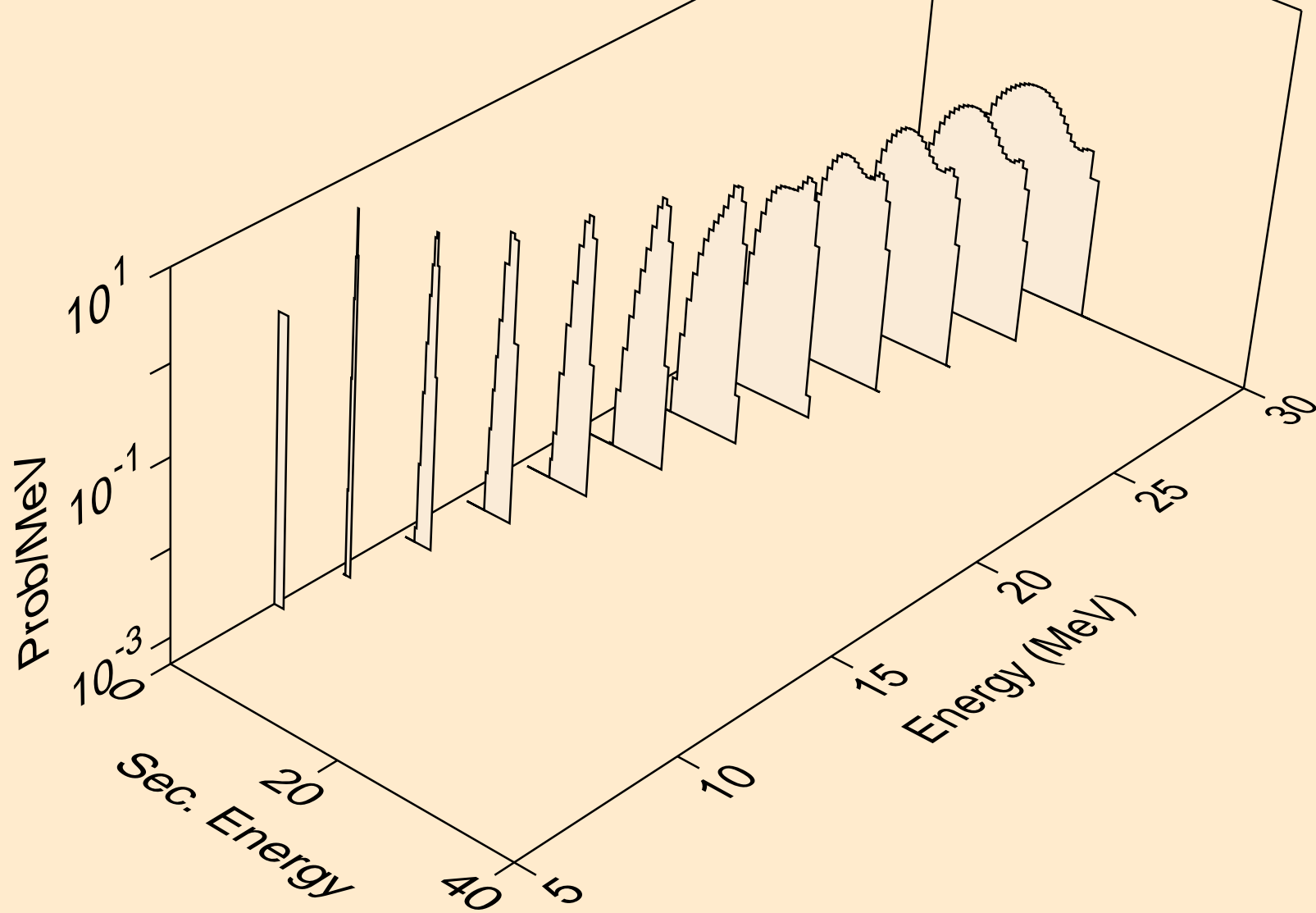
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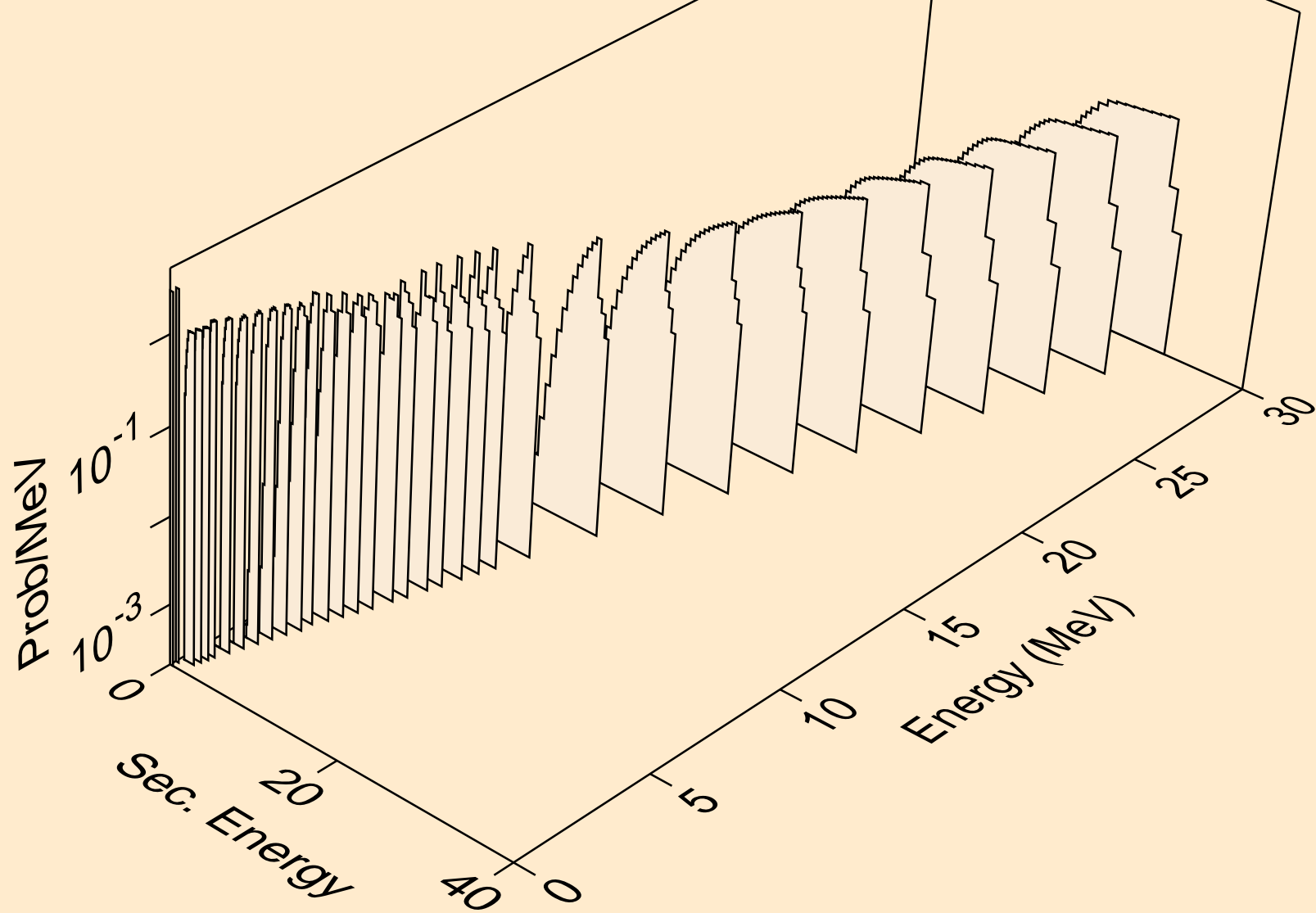
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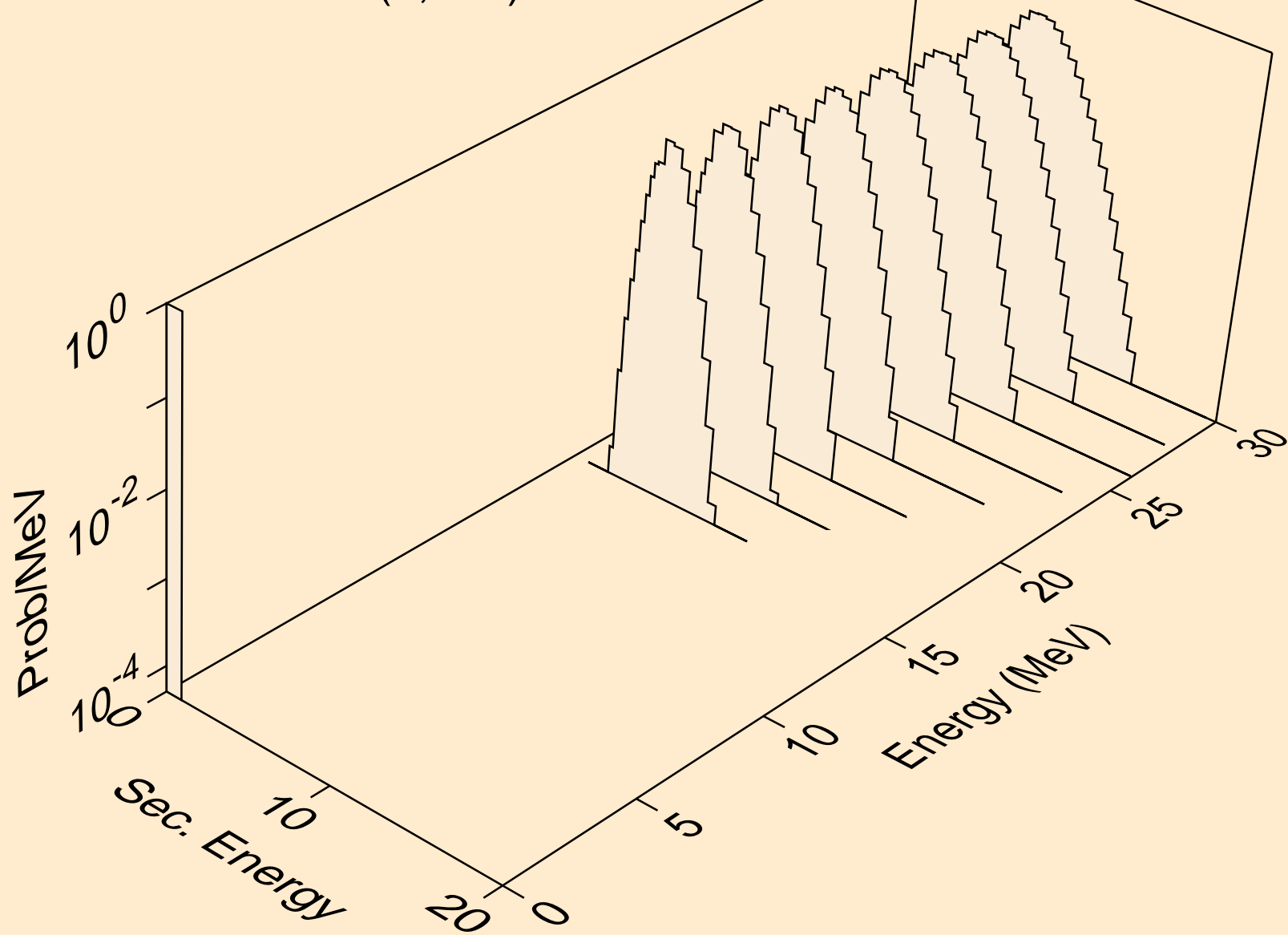
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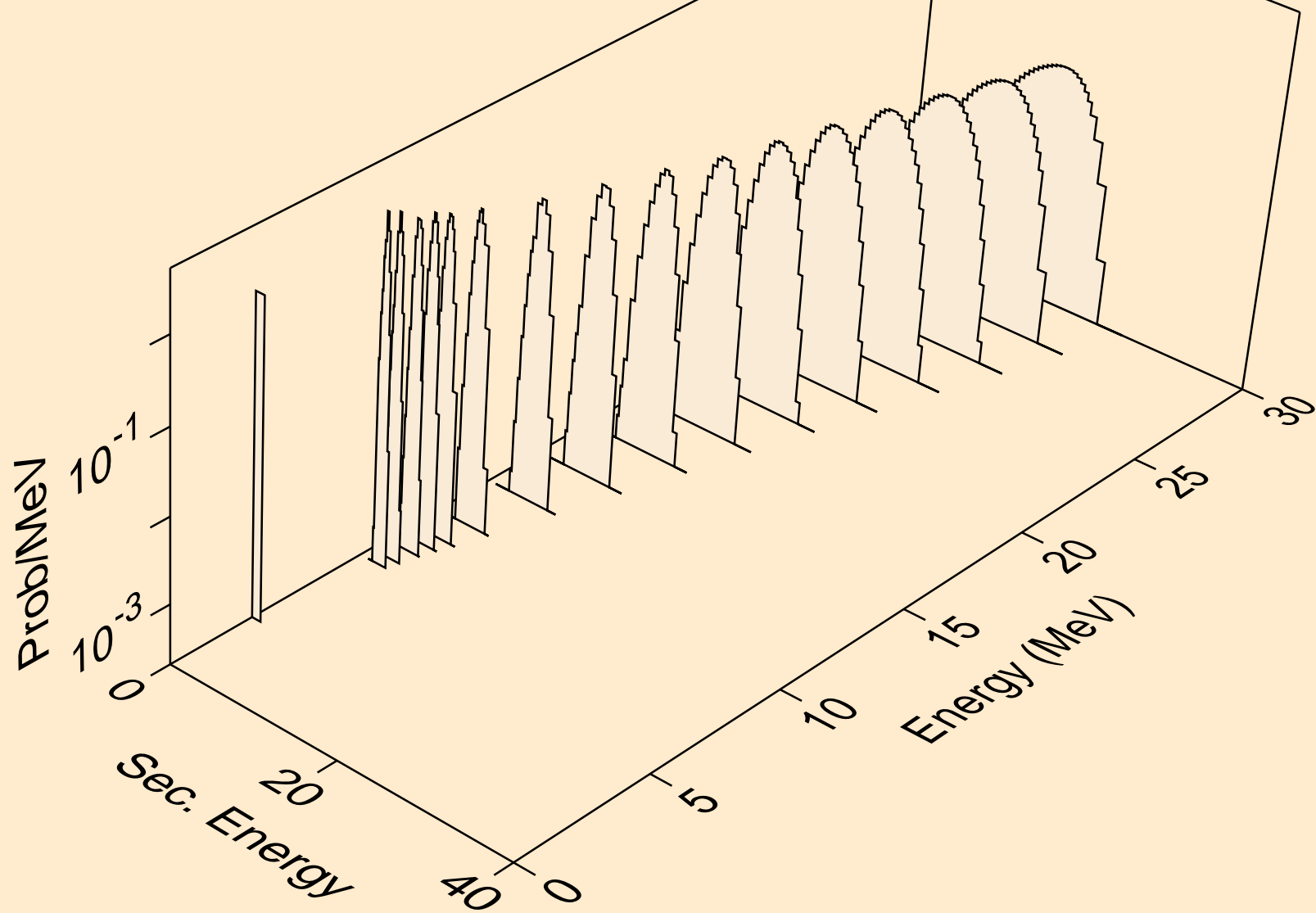
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EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,d2a)

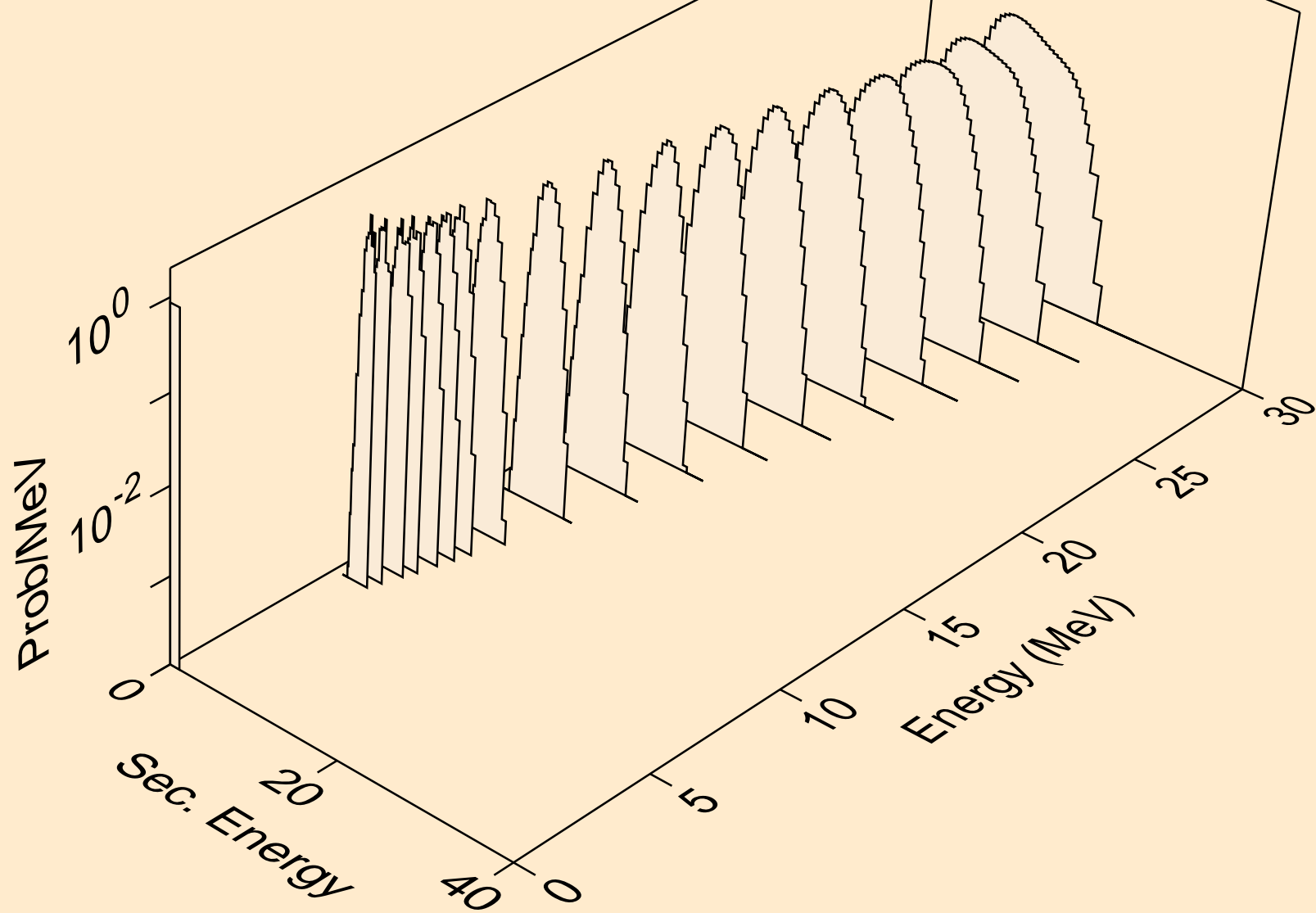


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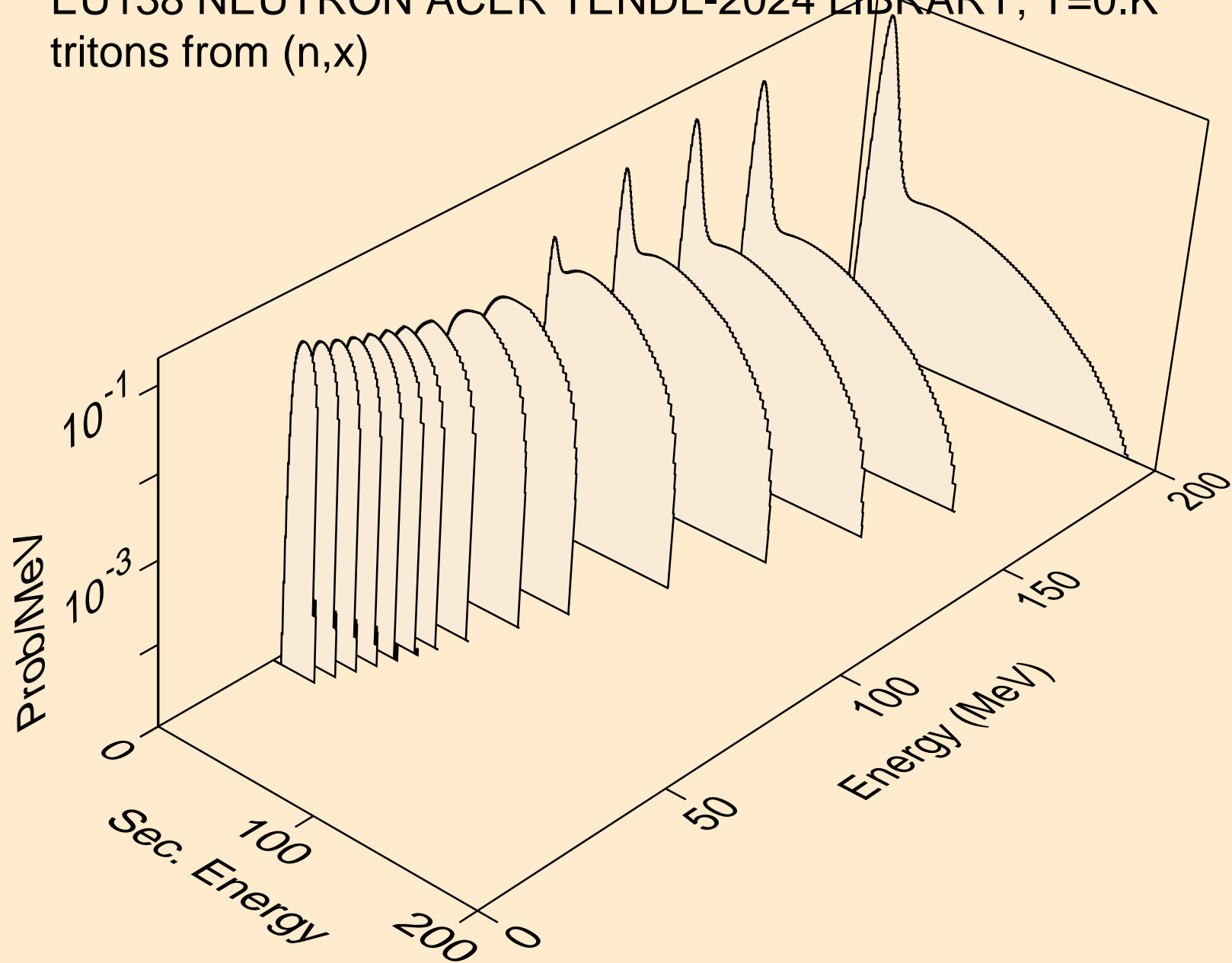




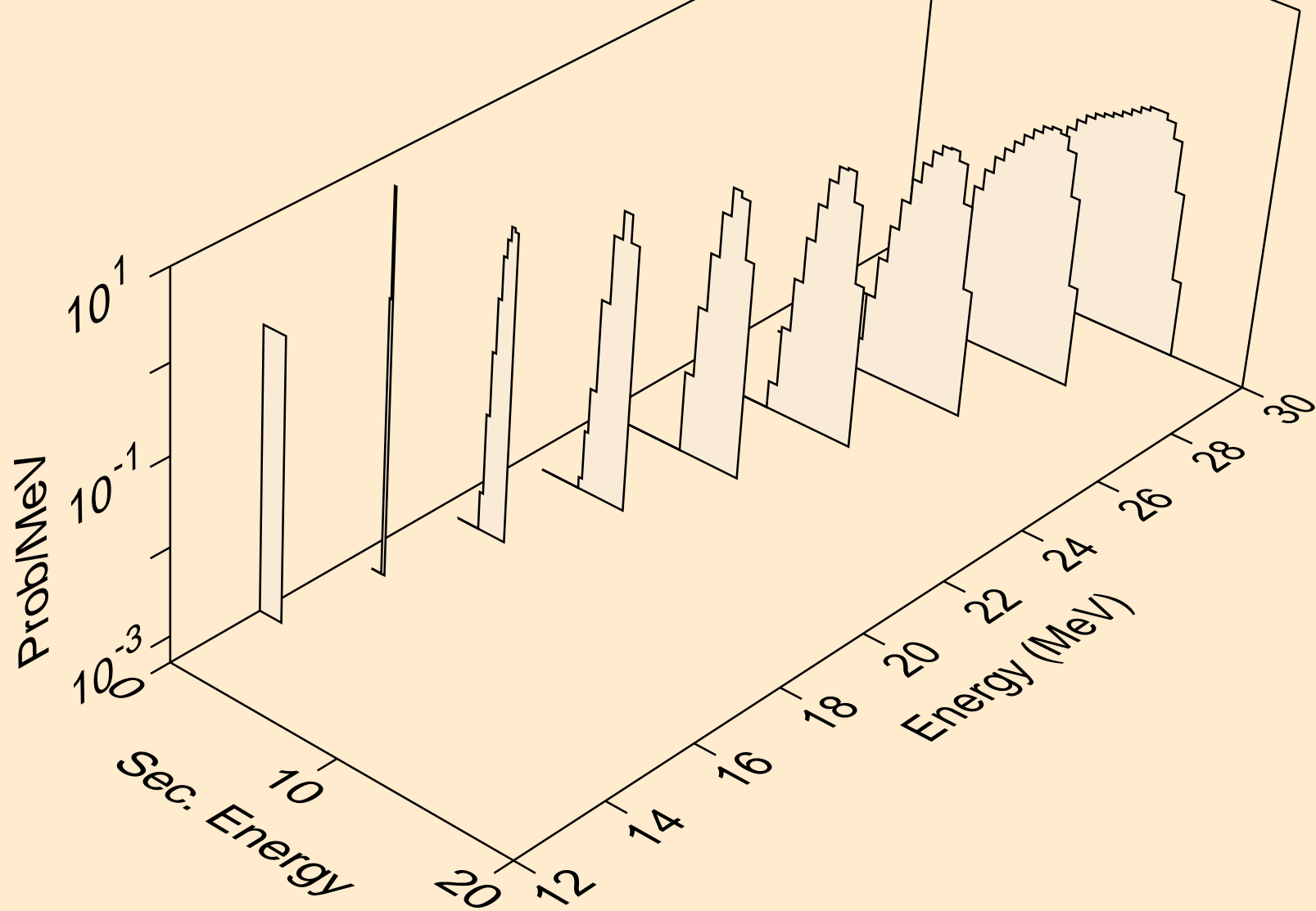
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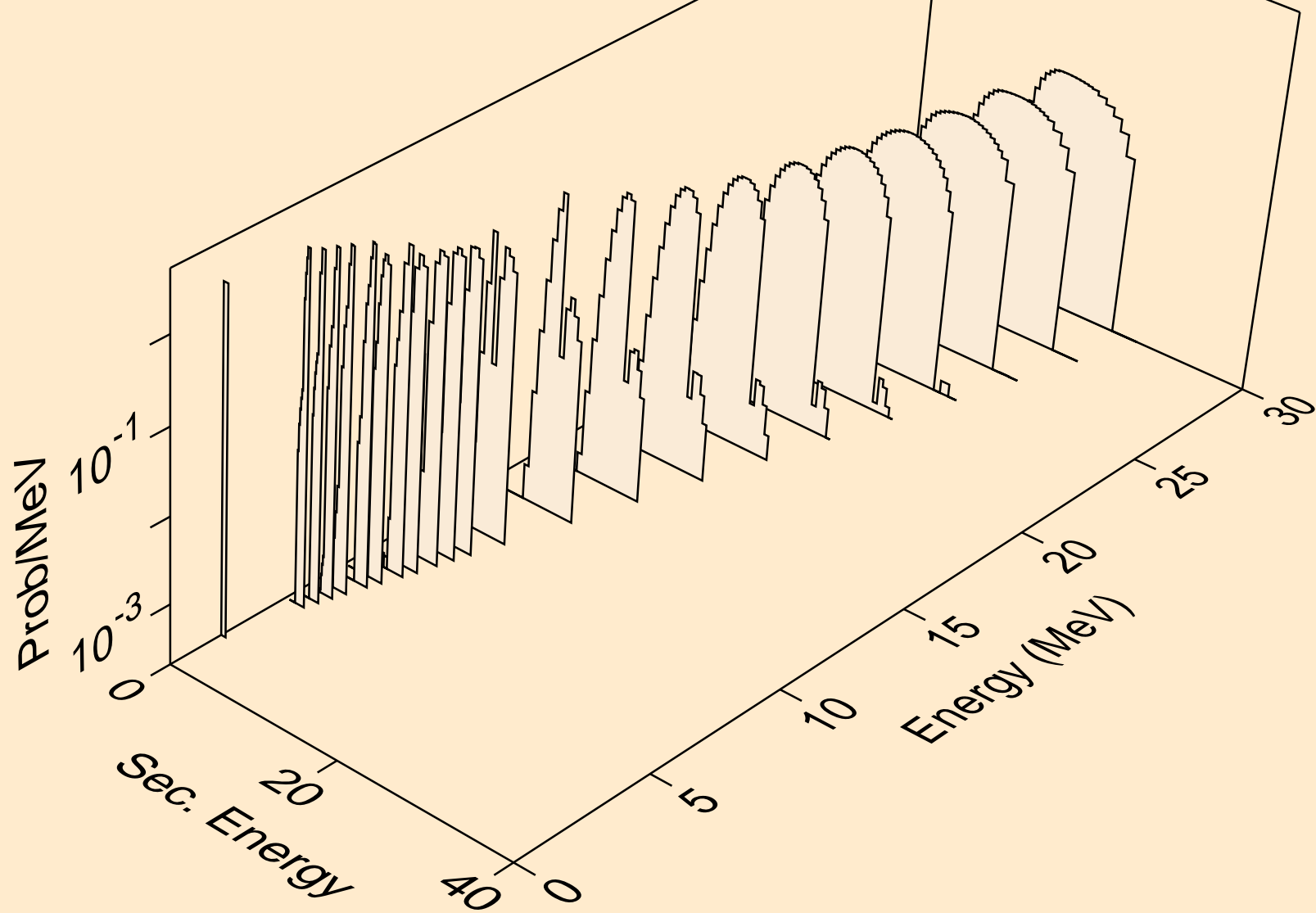
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tritons from (n,x)



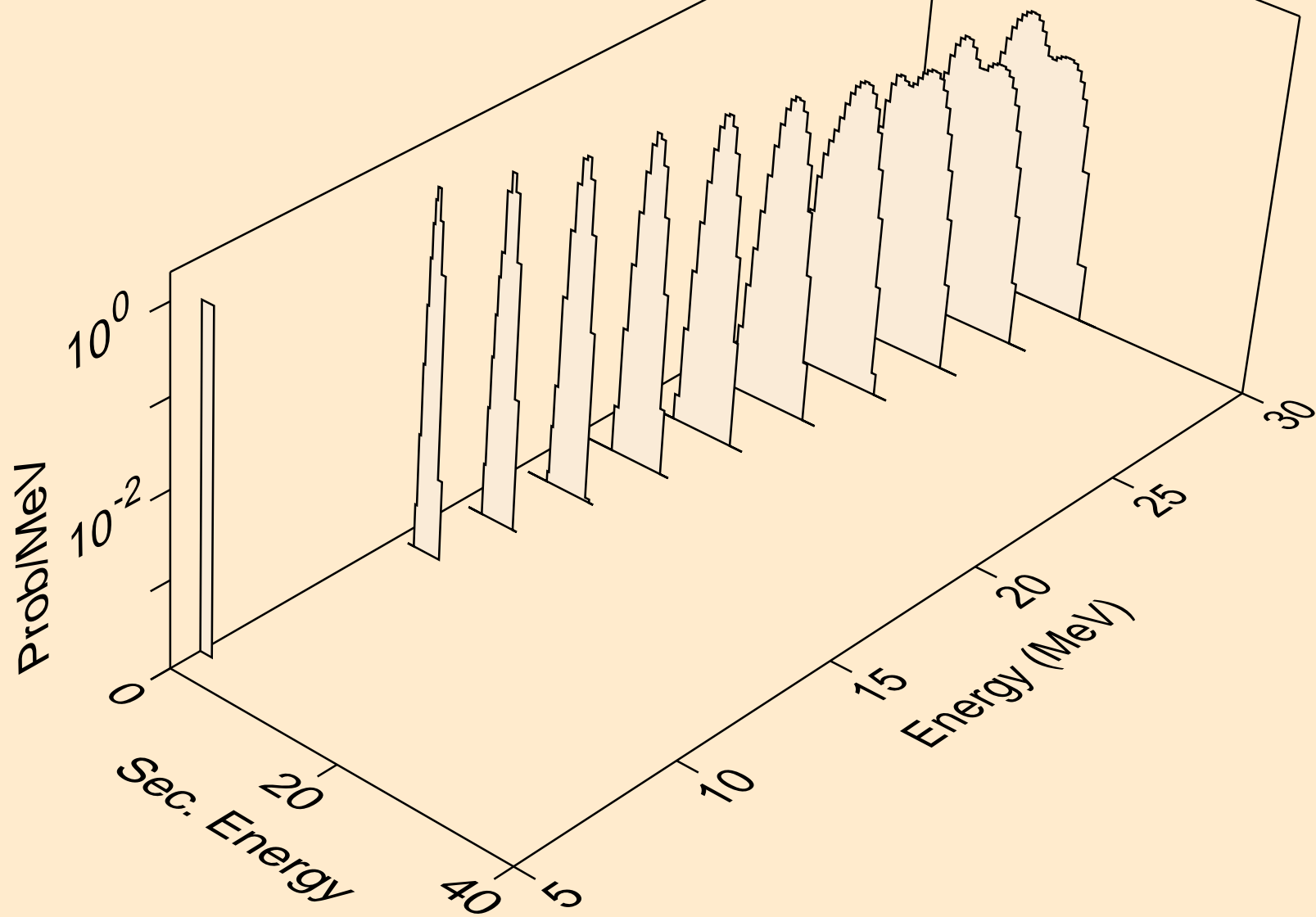
EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,n\*)t



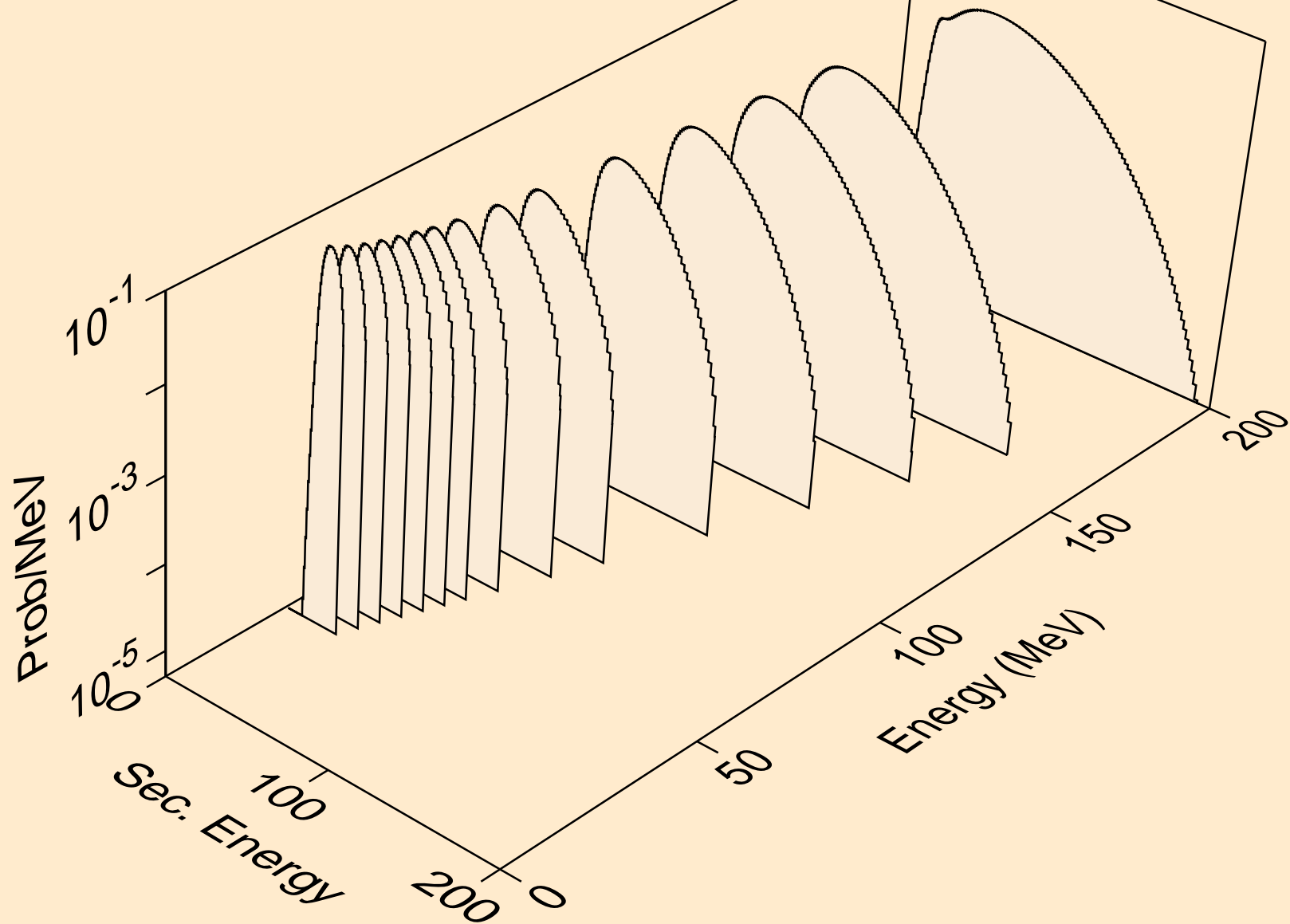
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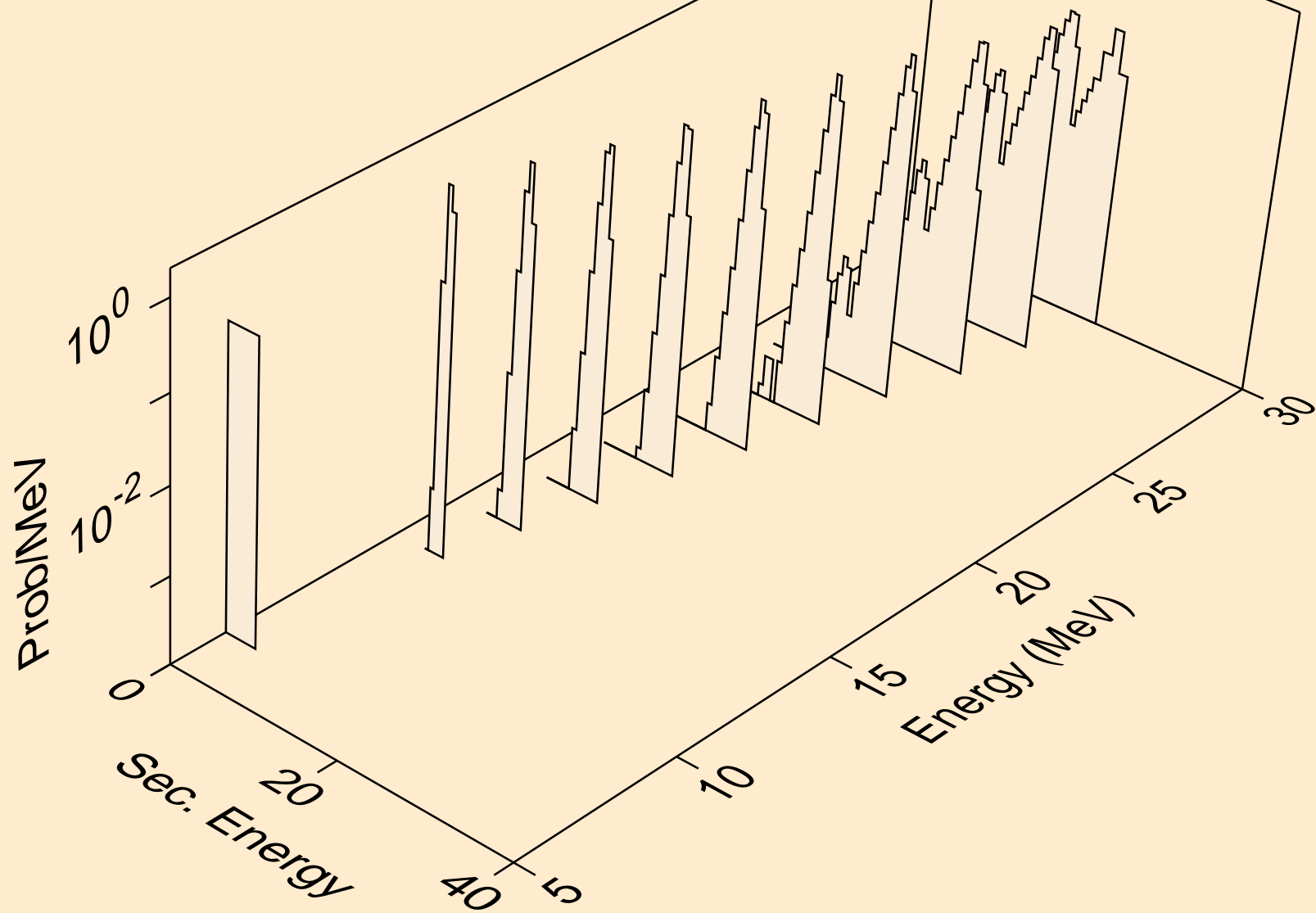
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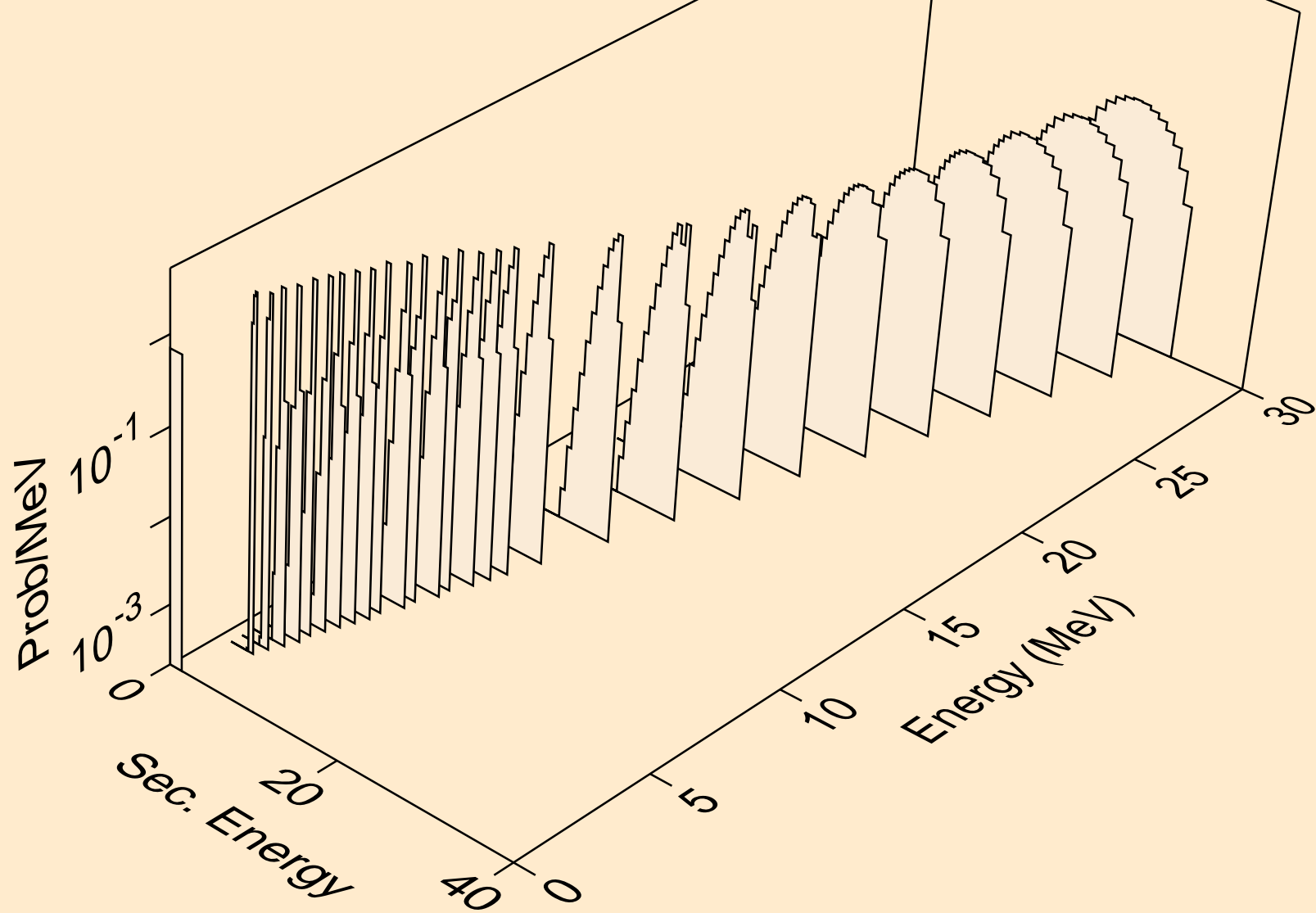
EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,x)



EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
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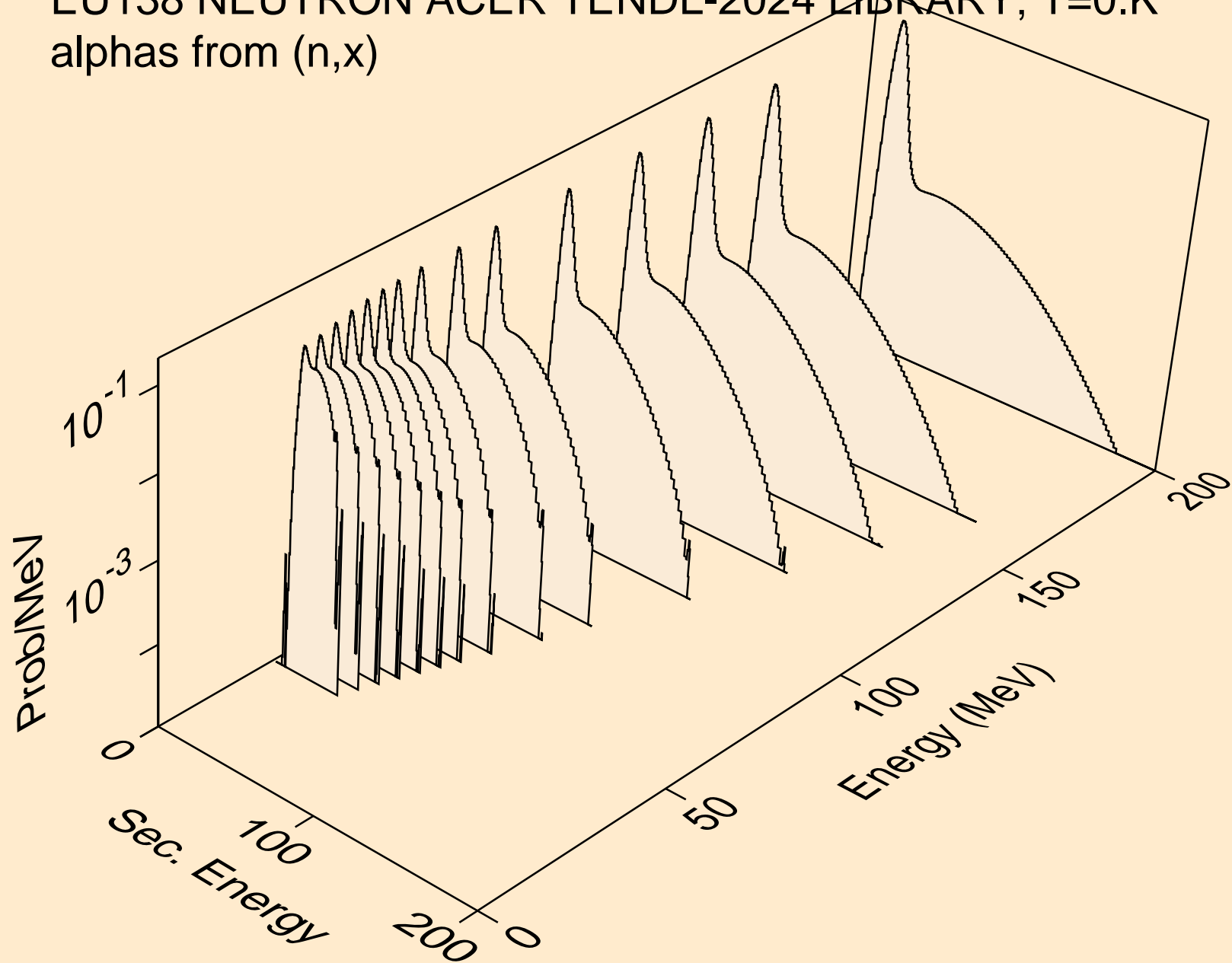


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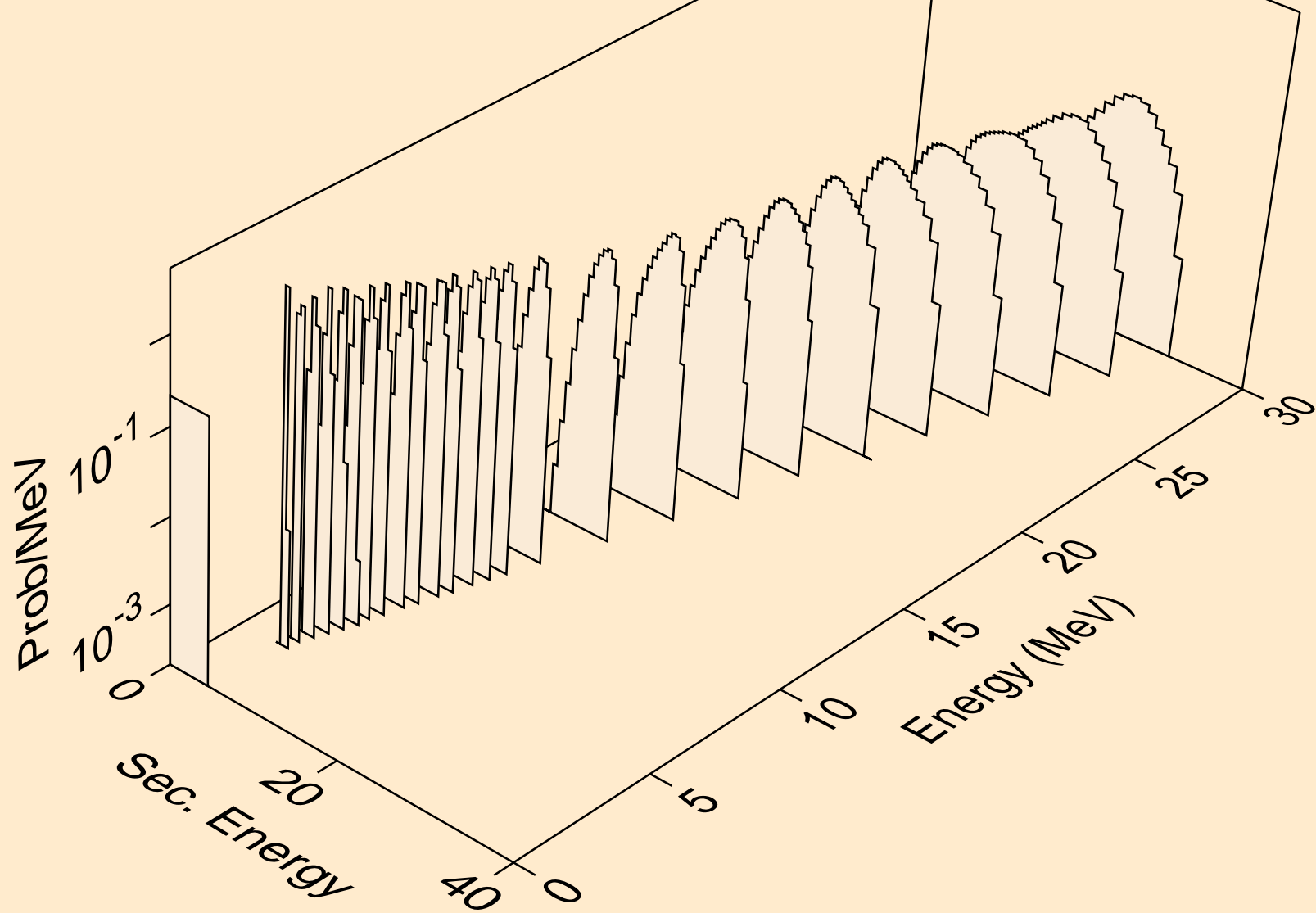




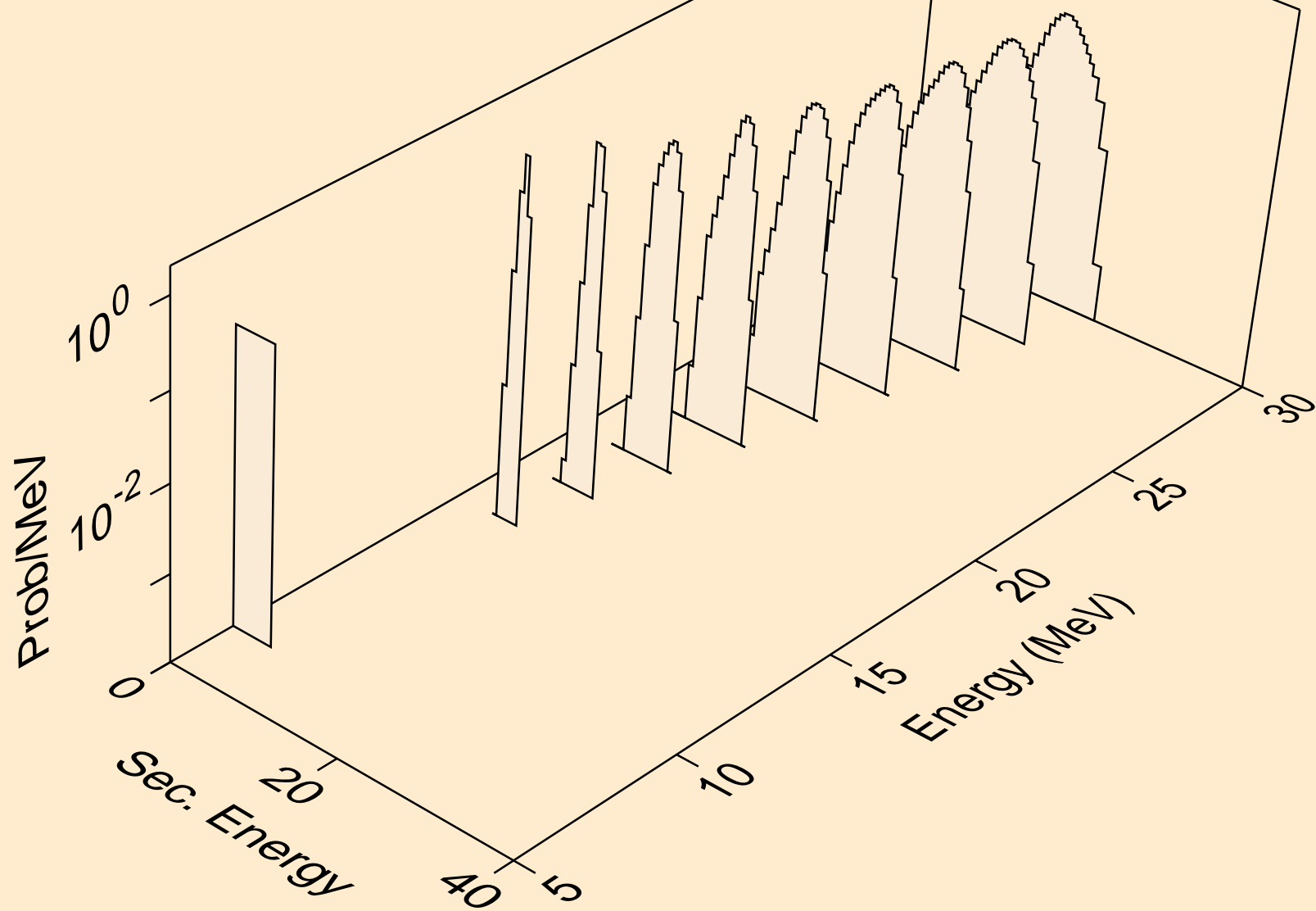
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alphas from (n,x)



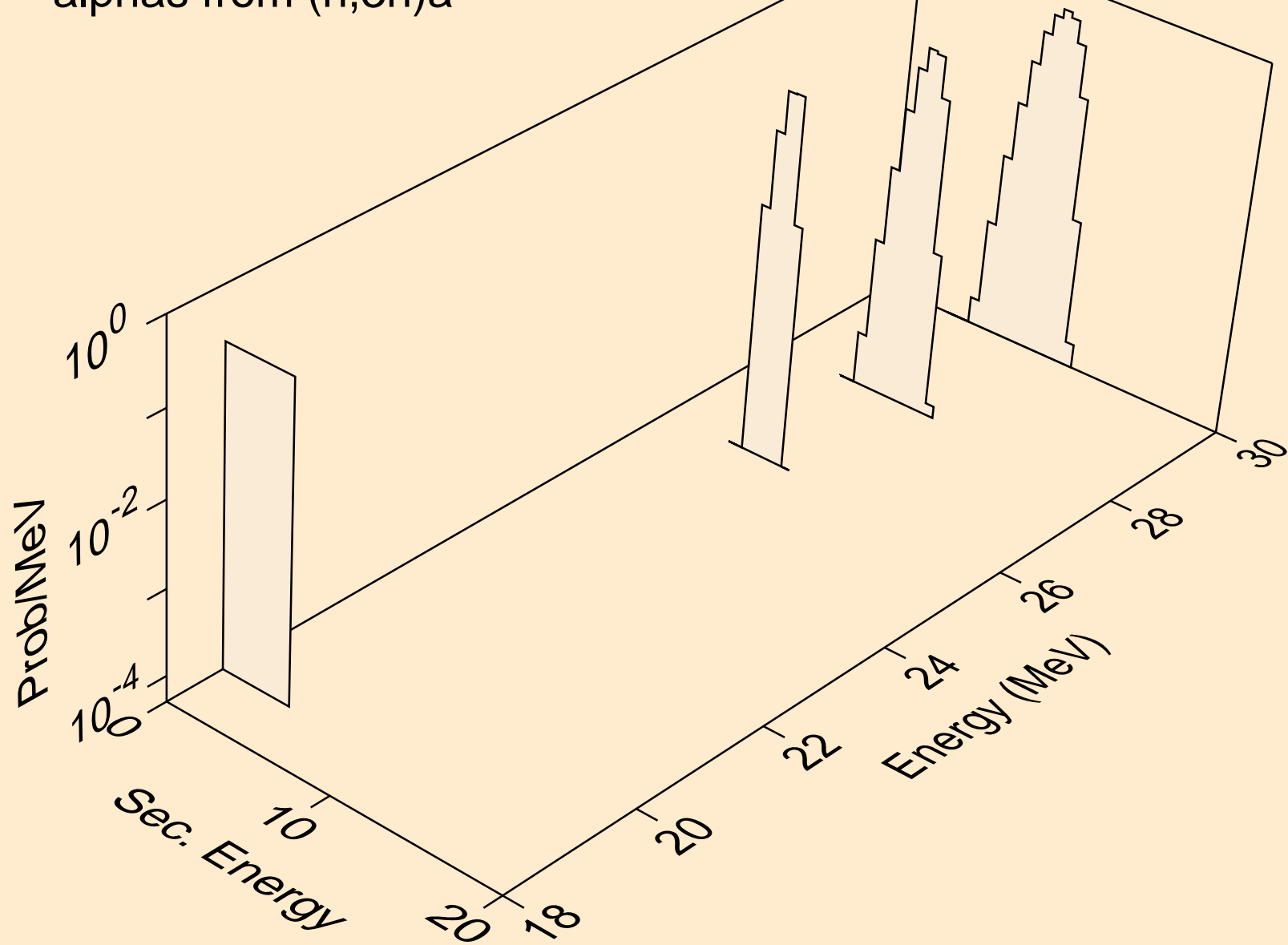
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alphas from (n,n\*)a



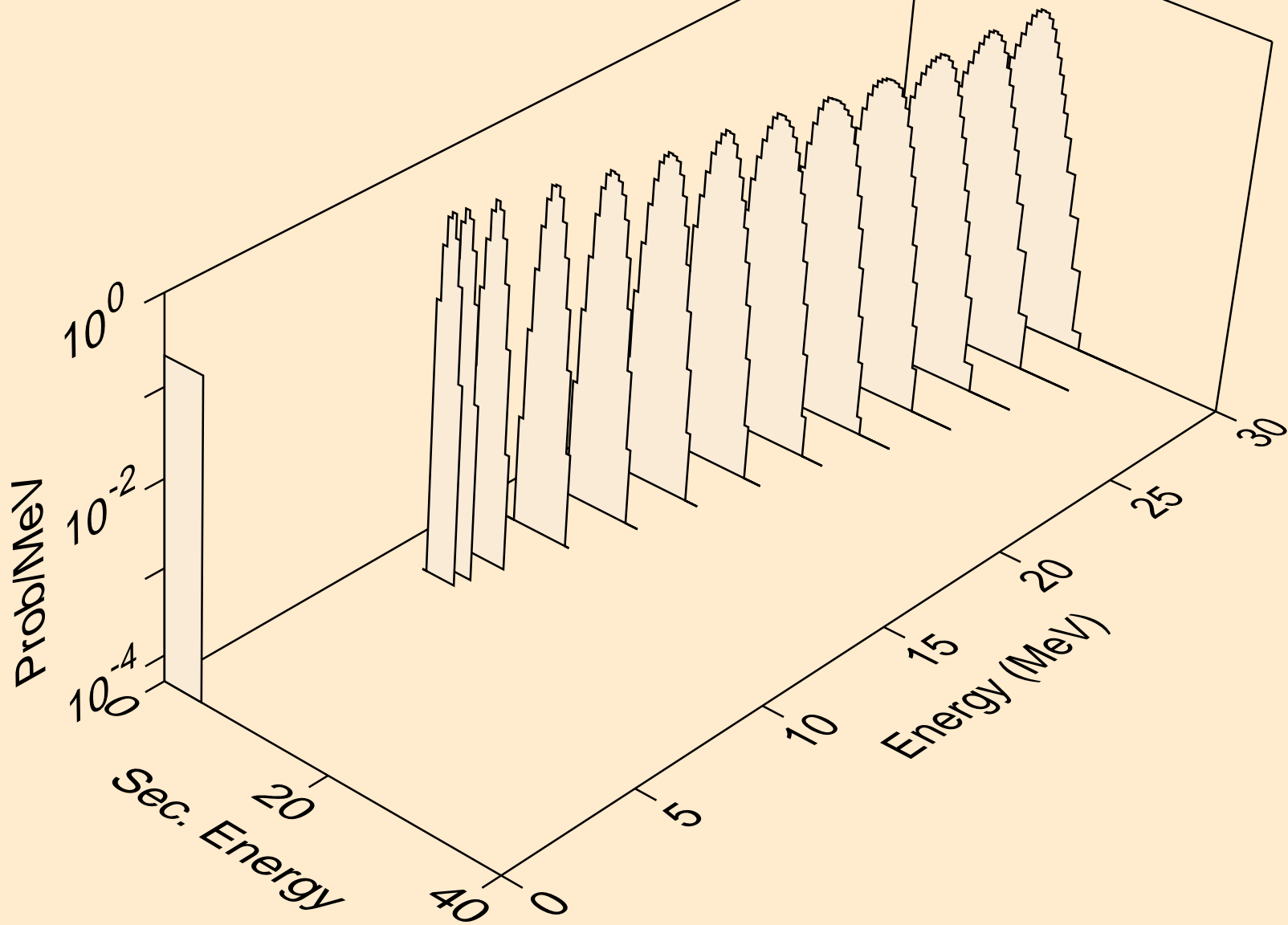
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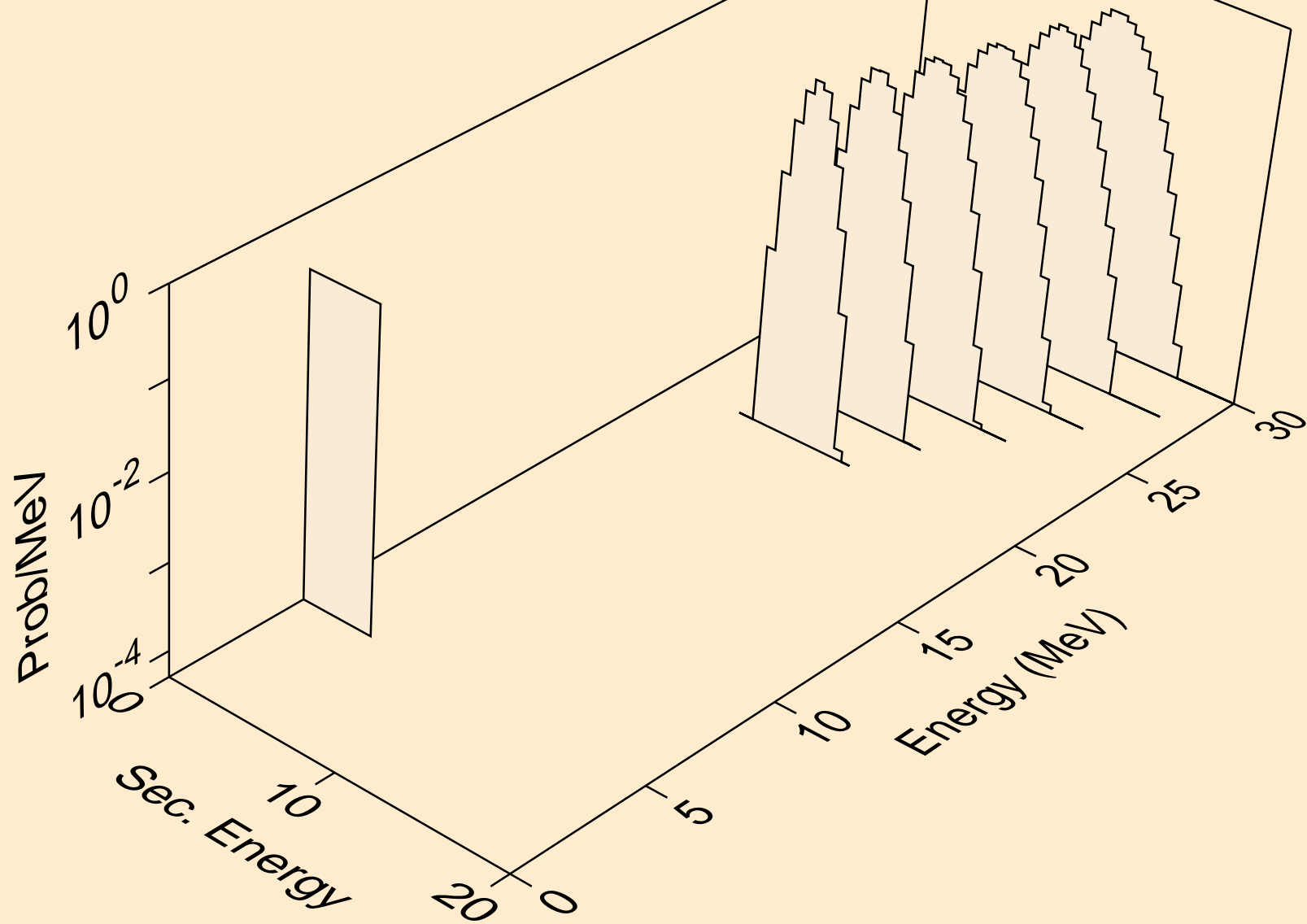
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alphas from (n,3n)a



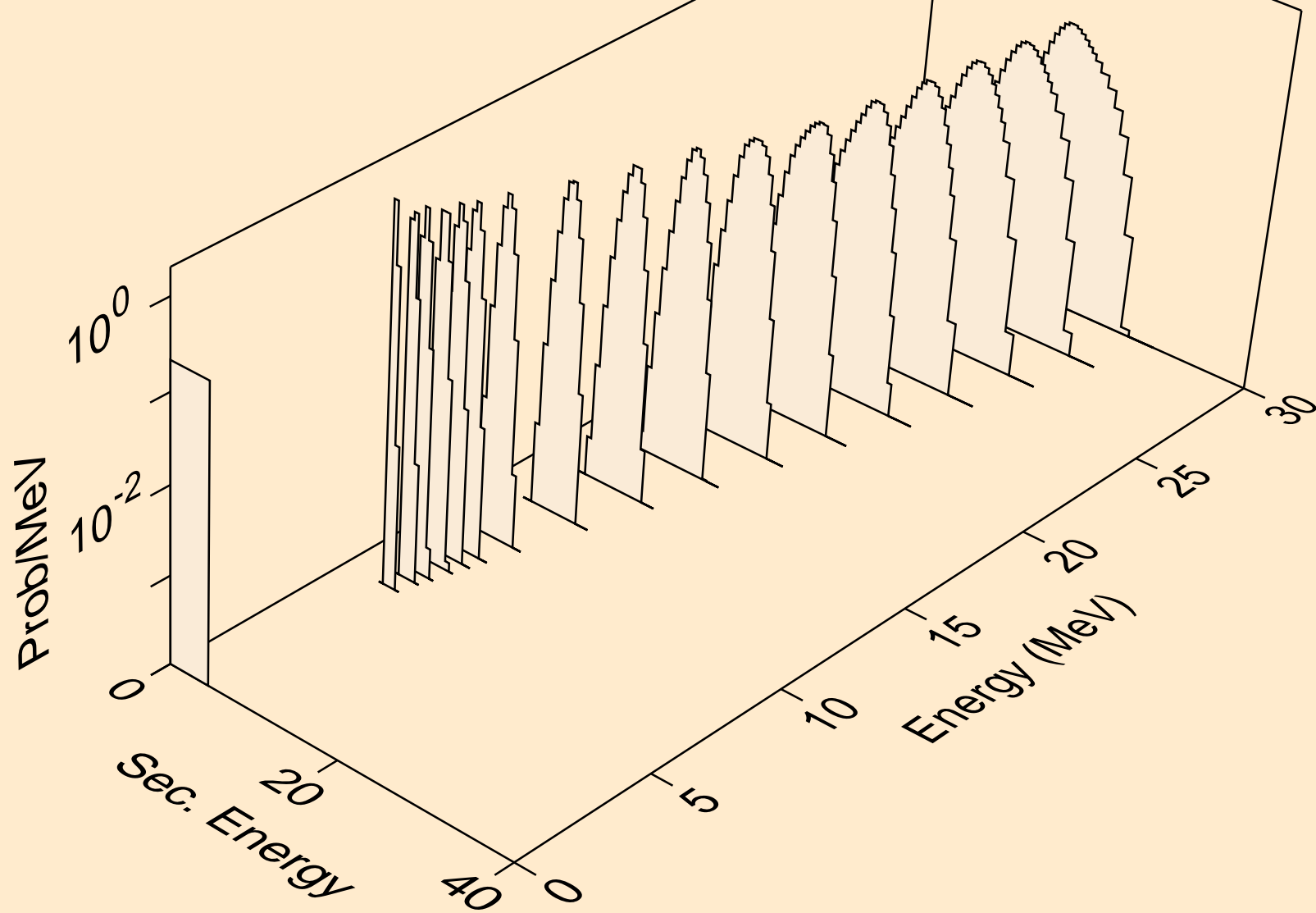
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alphas from (n,n\*)2a



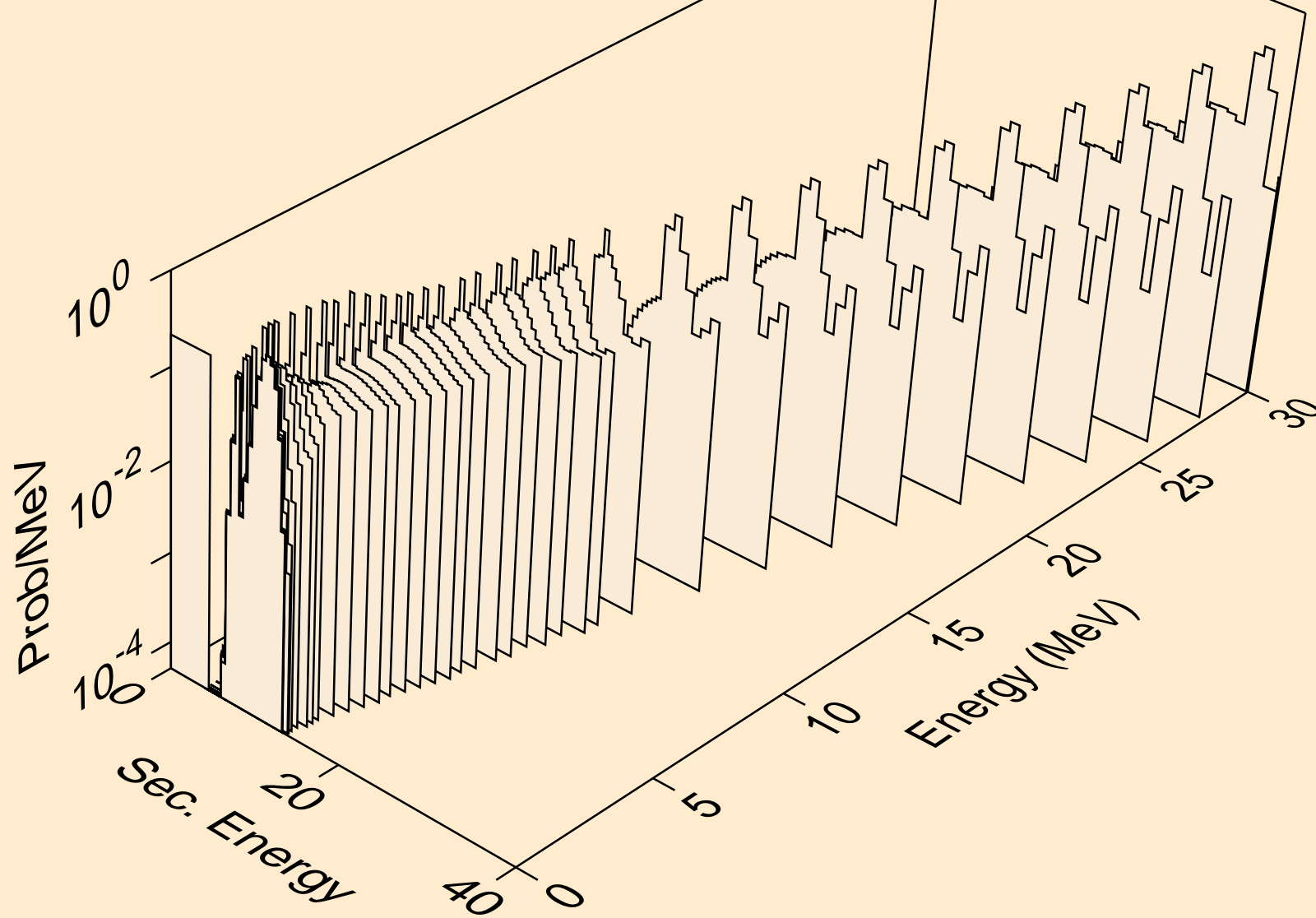
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alphas from (n,2n)2a



EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
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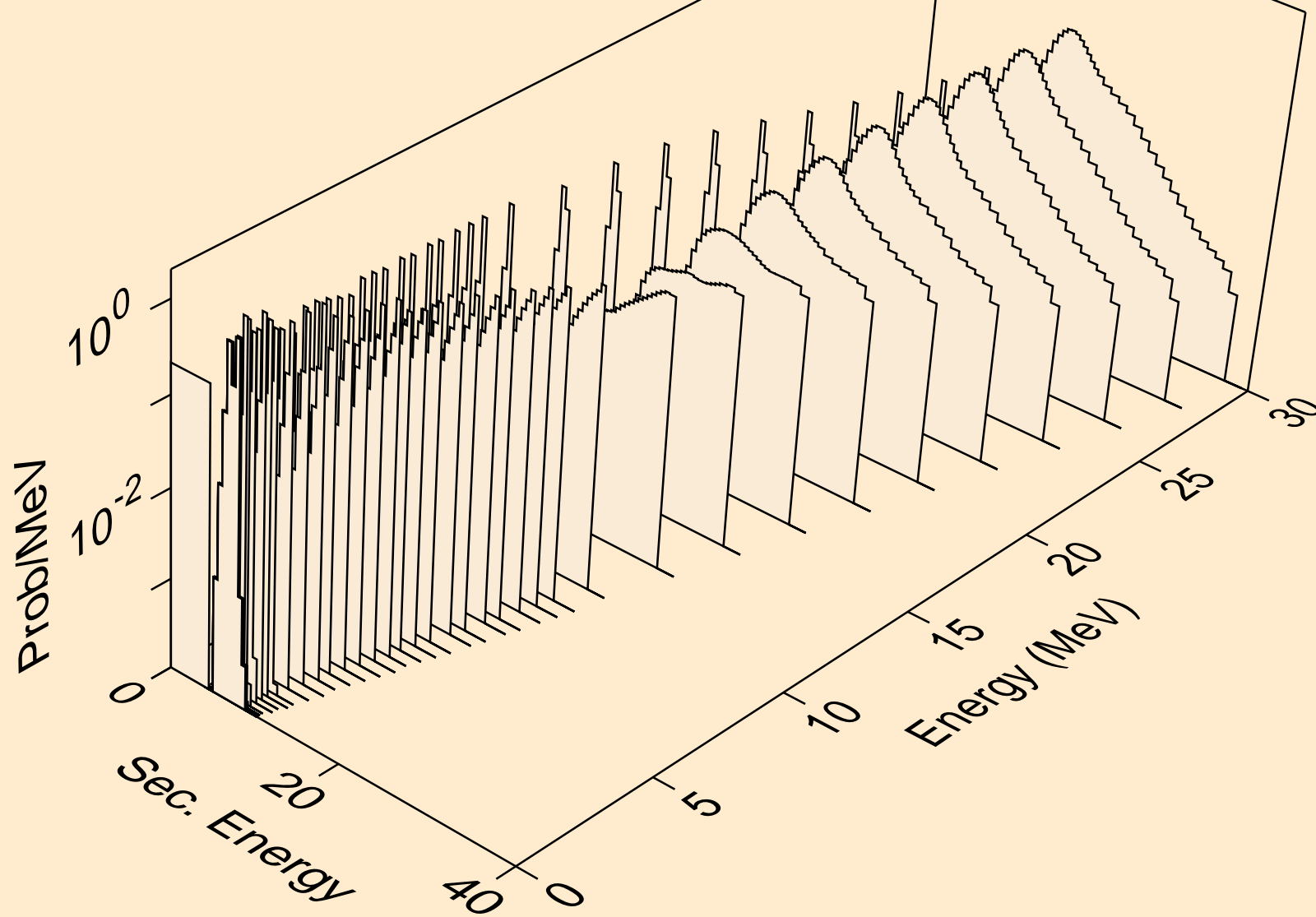


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alphas from (n,a)

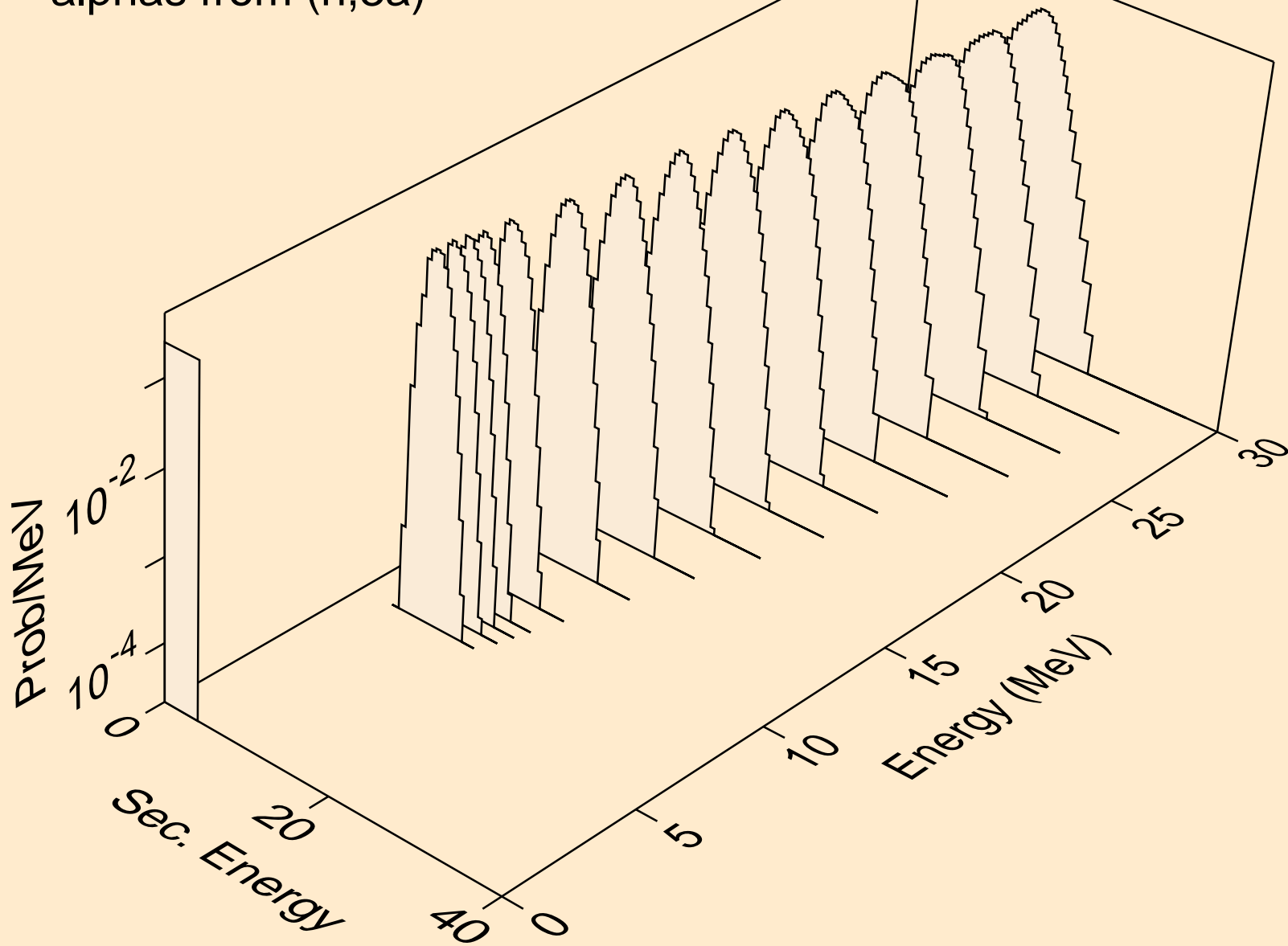




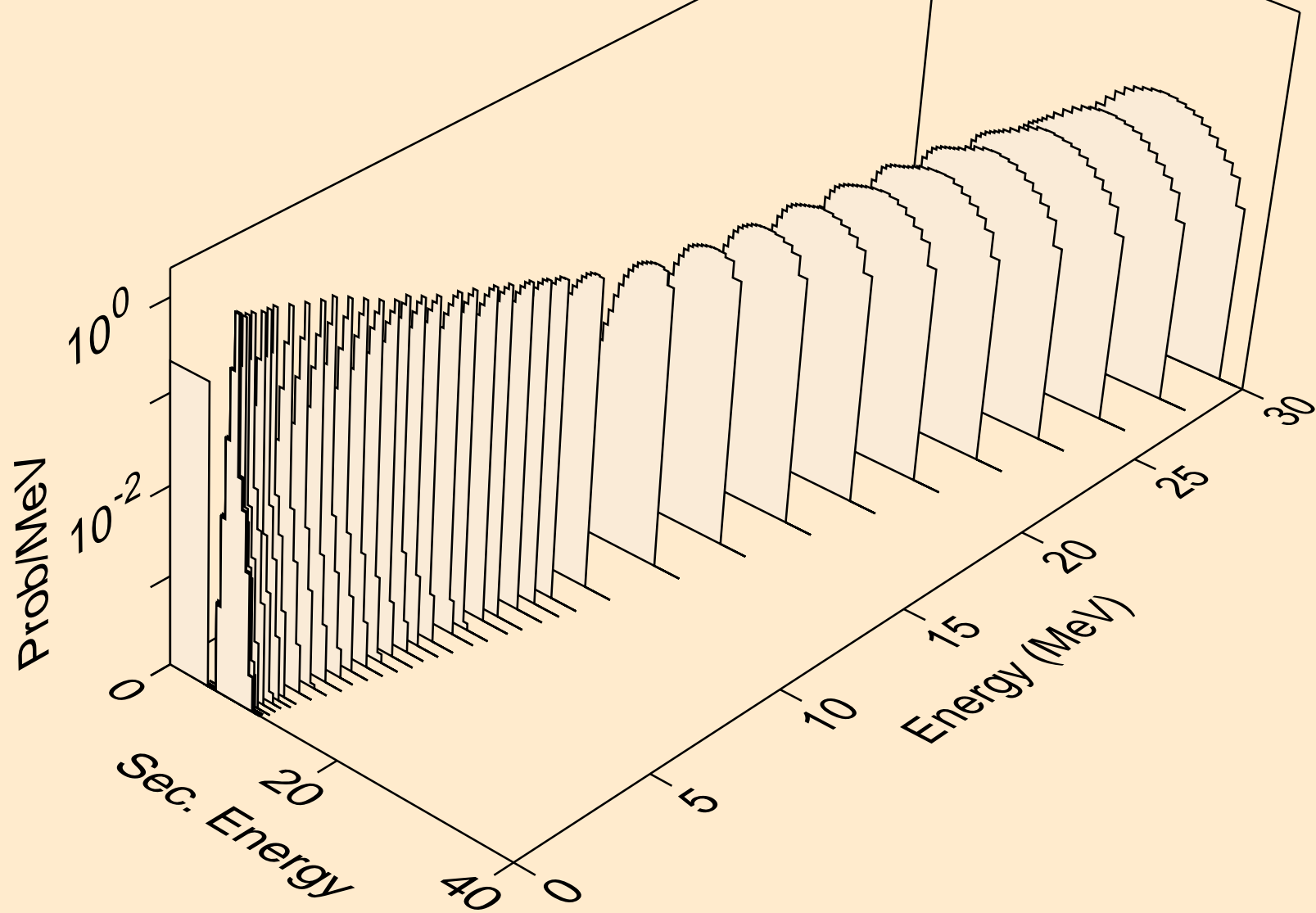
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alphas from (n,2a)



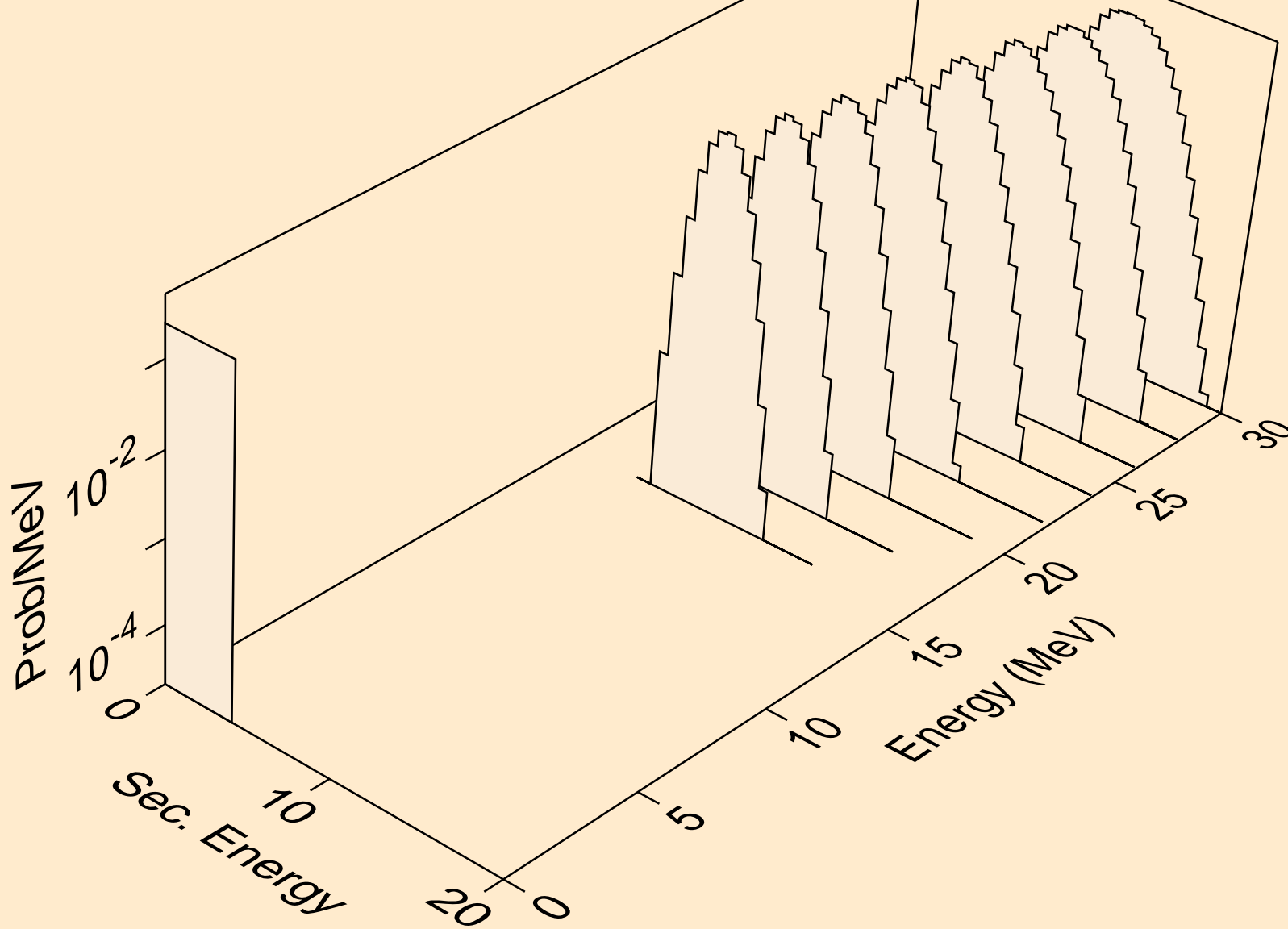
EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,3a)



EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,p)



EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,d2a)



EU138 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,da)

