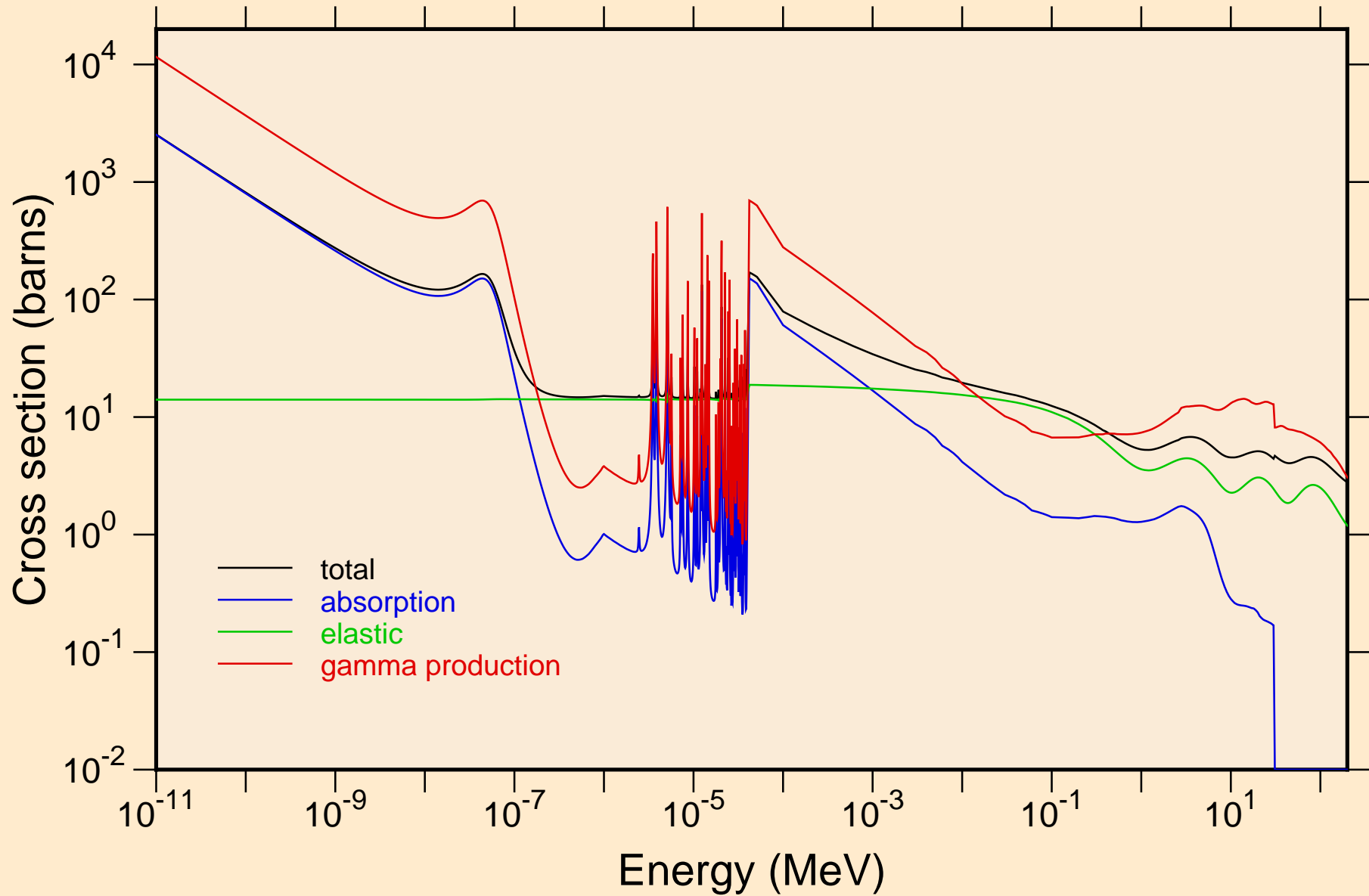
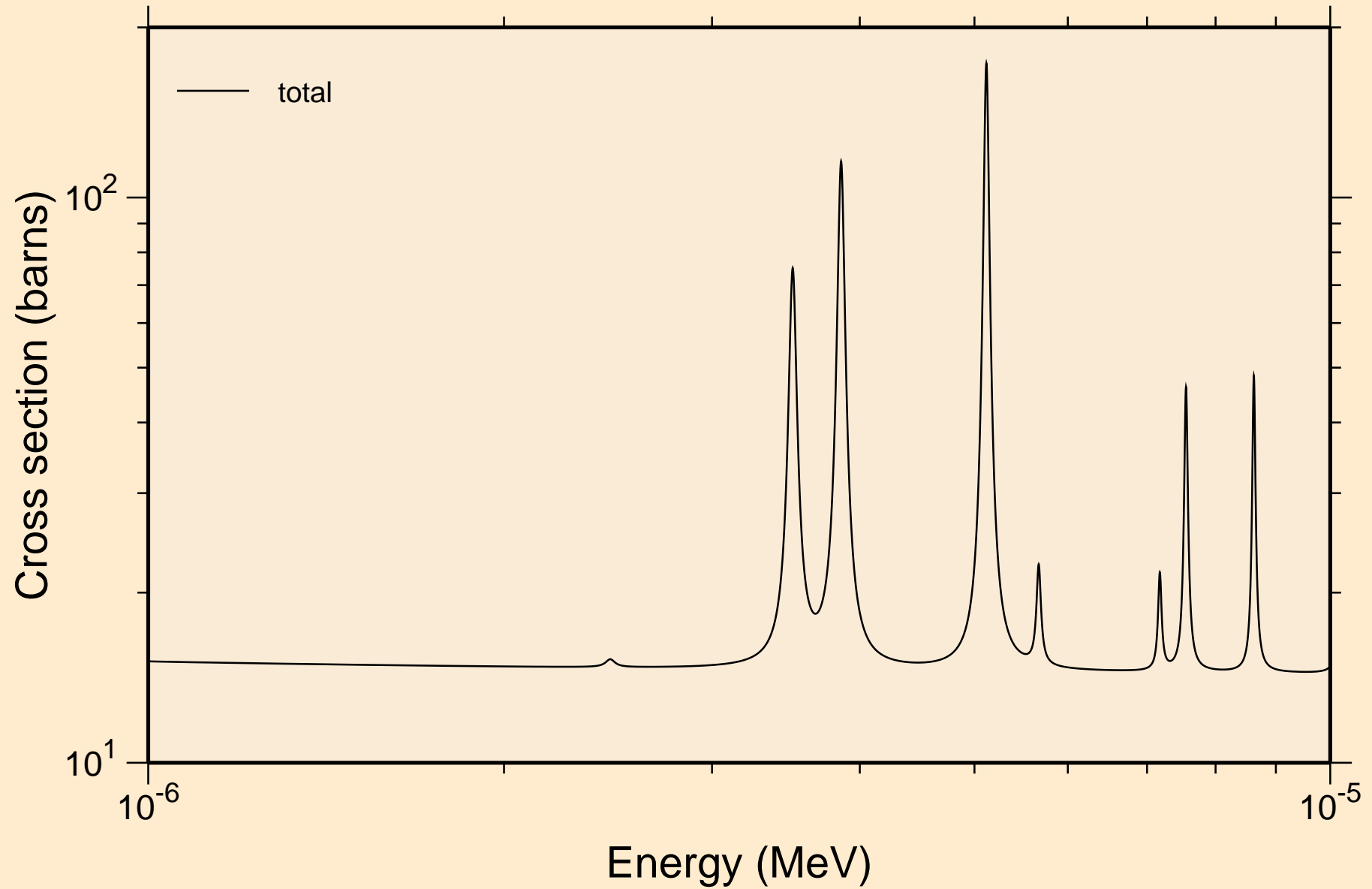


# HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

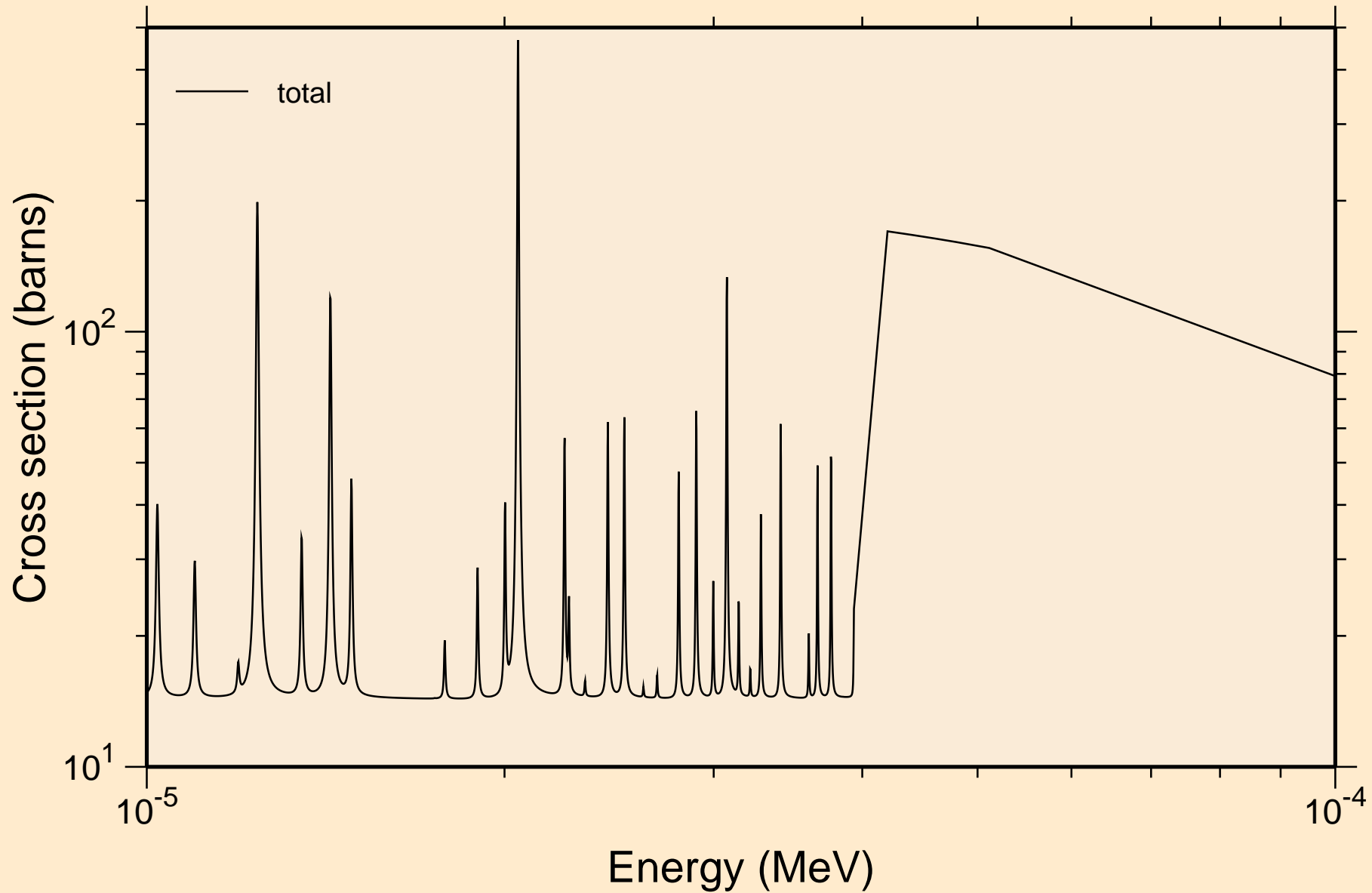
## Principal cross sections



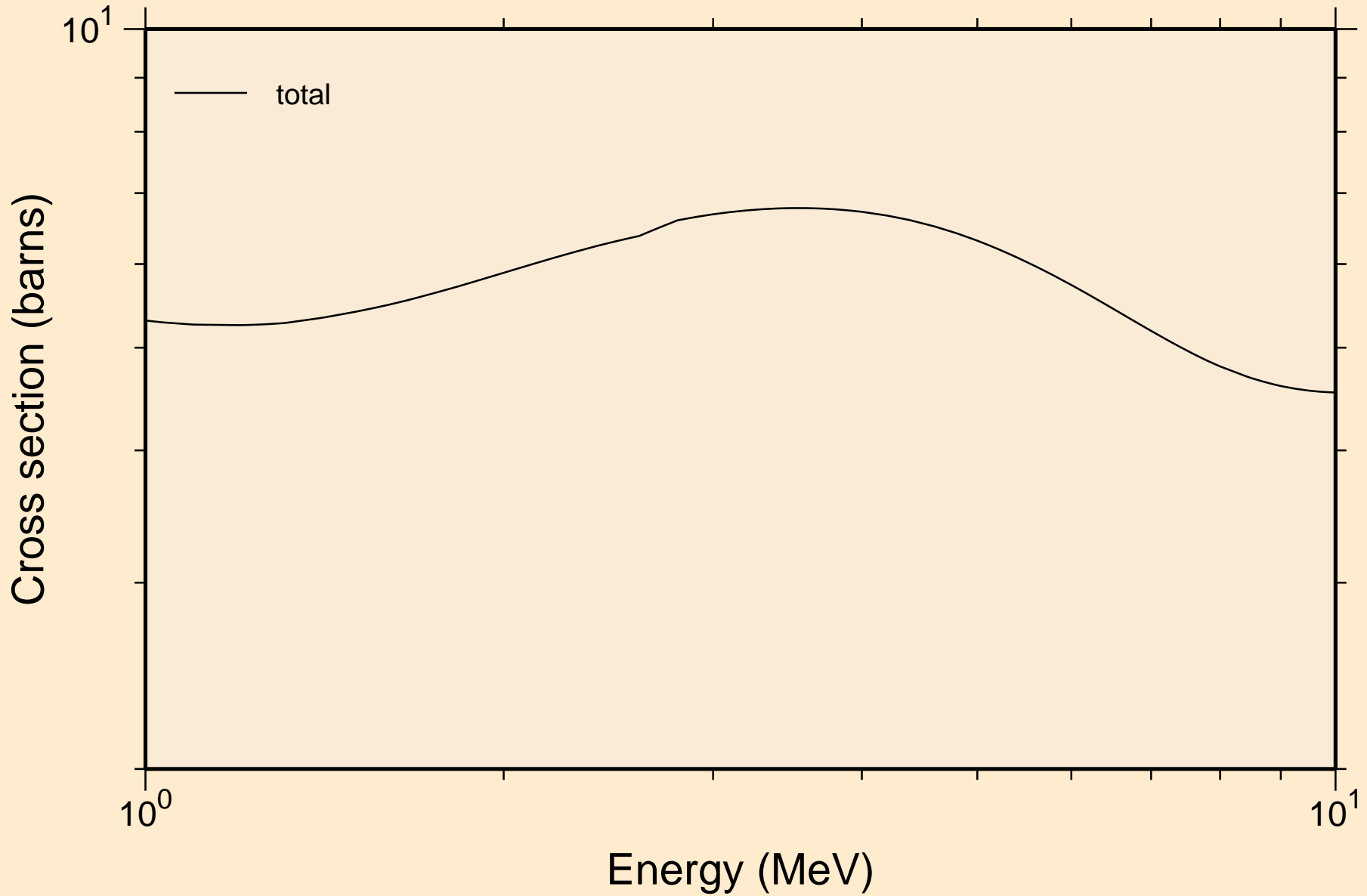
HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



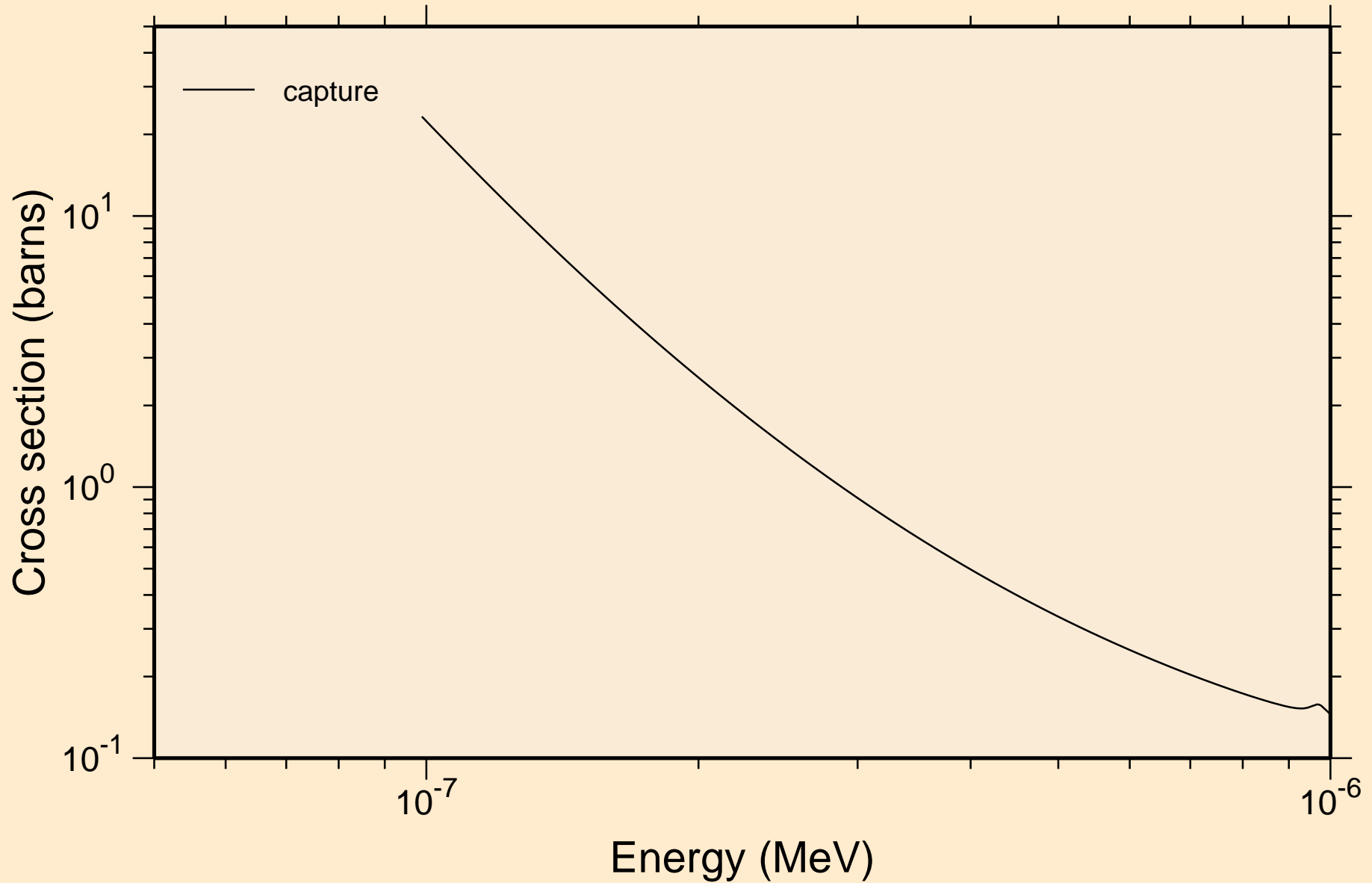
HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



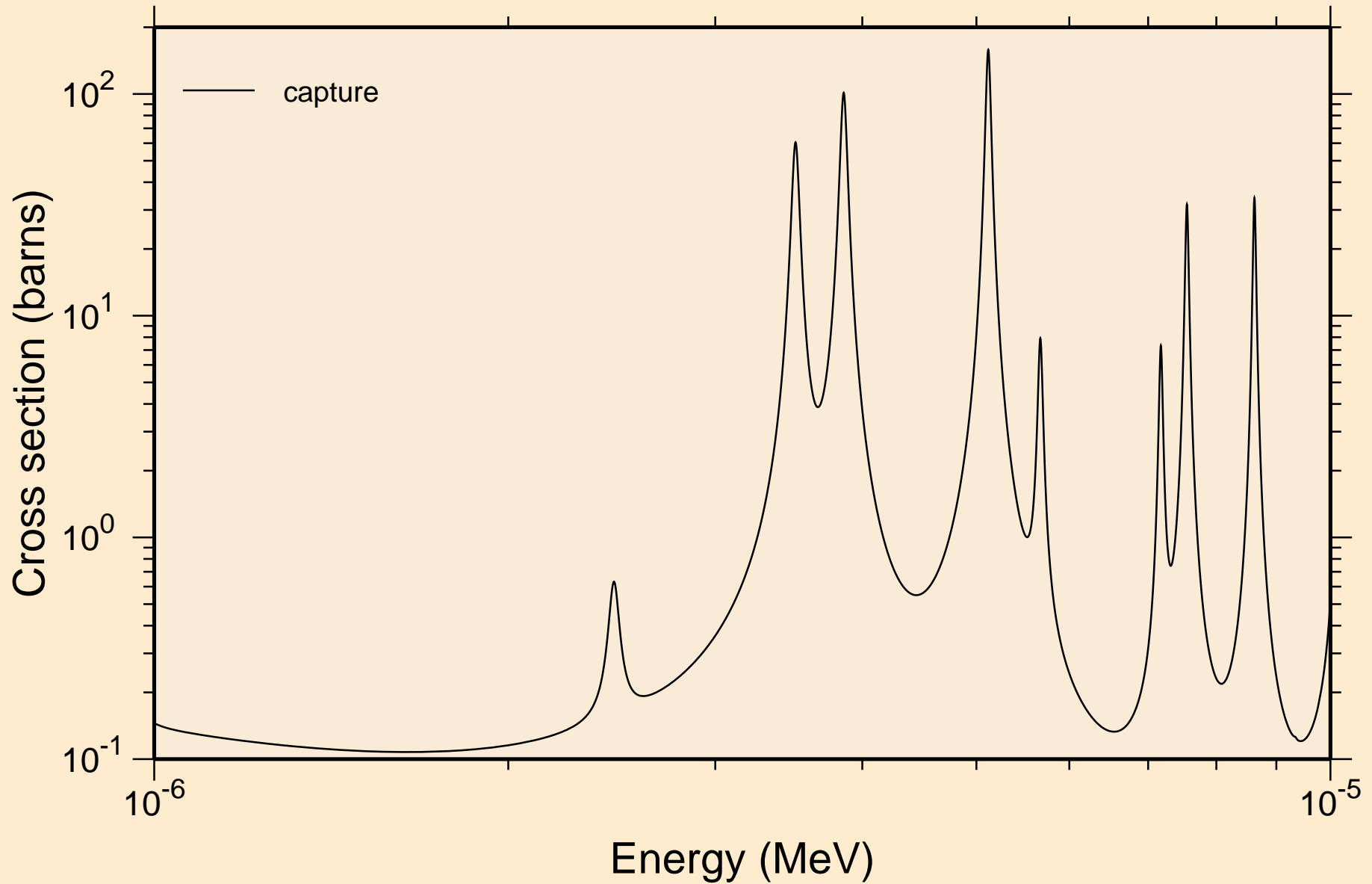
HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



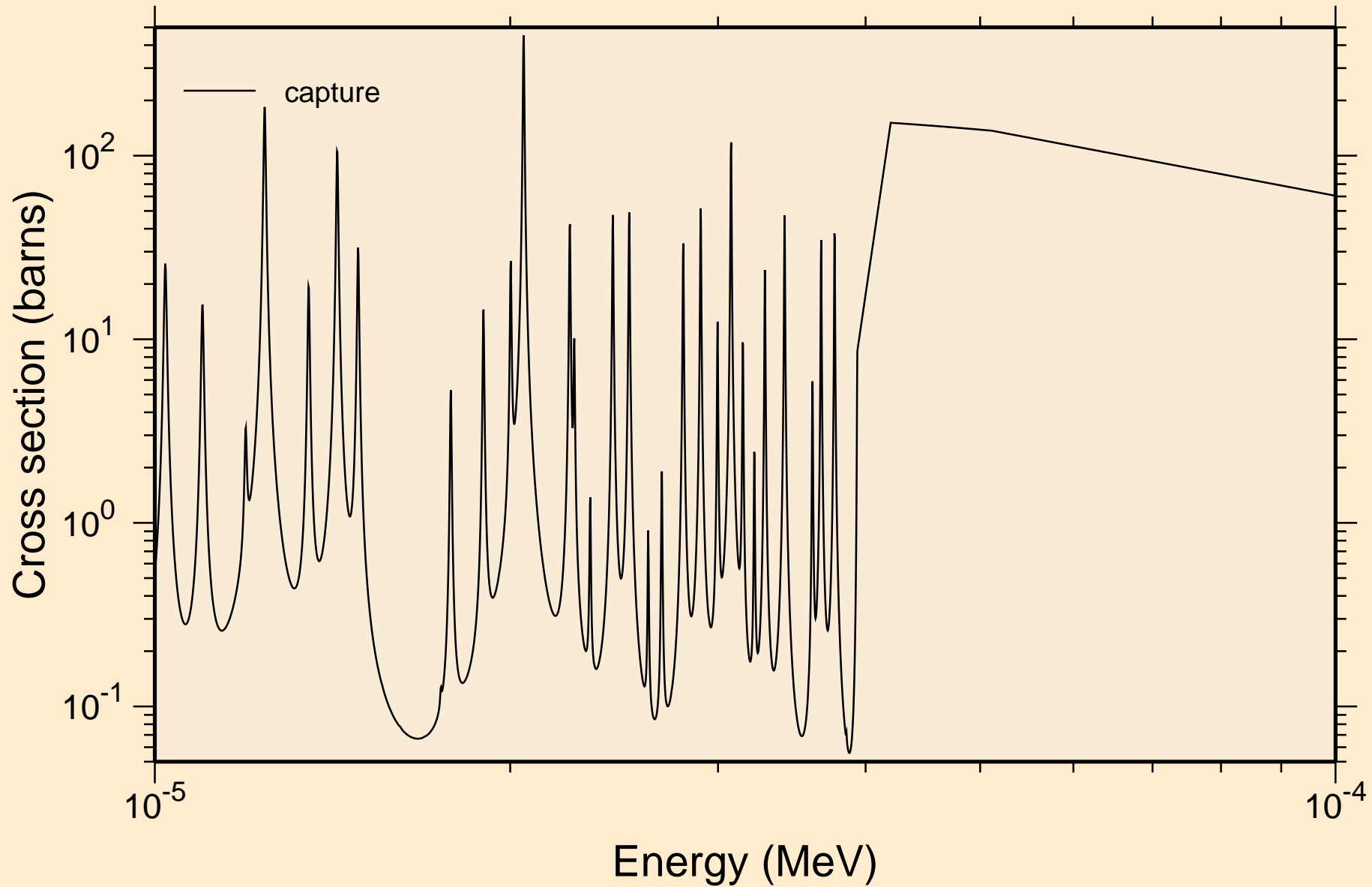
HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



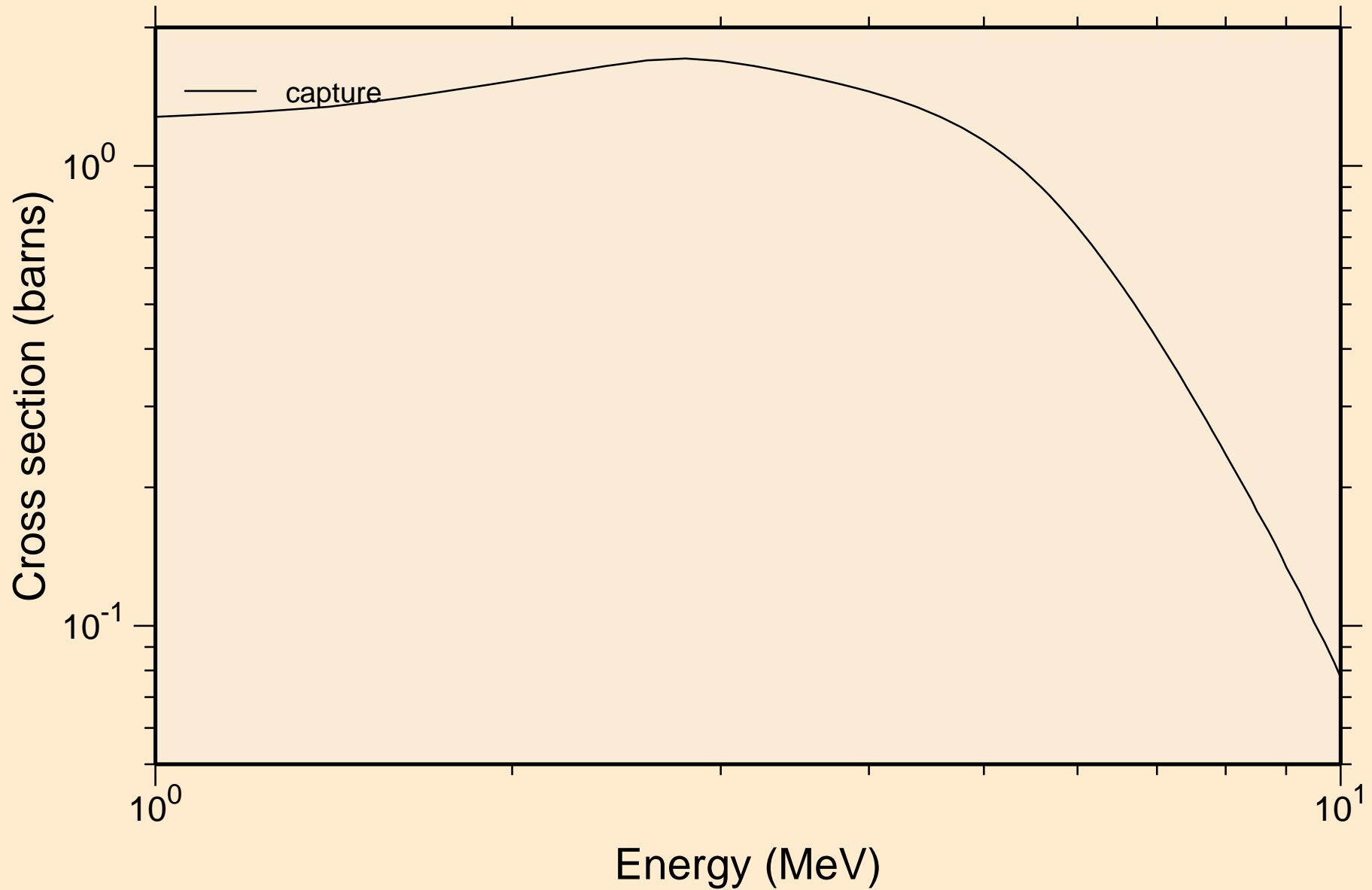
HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



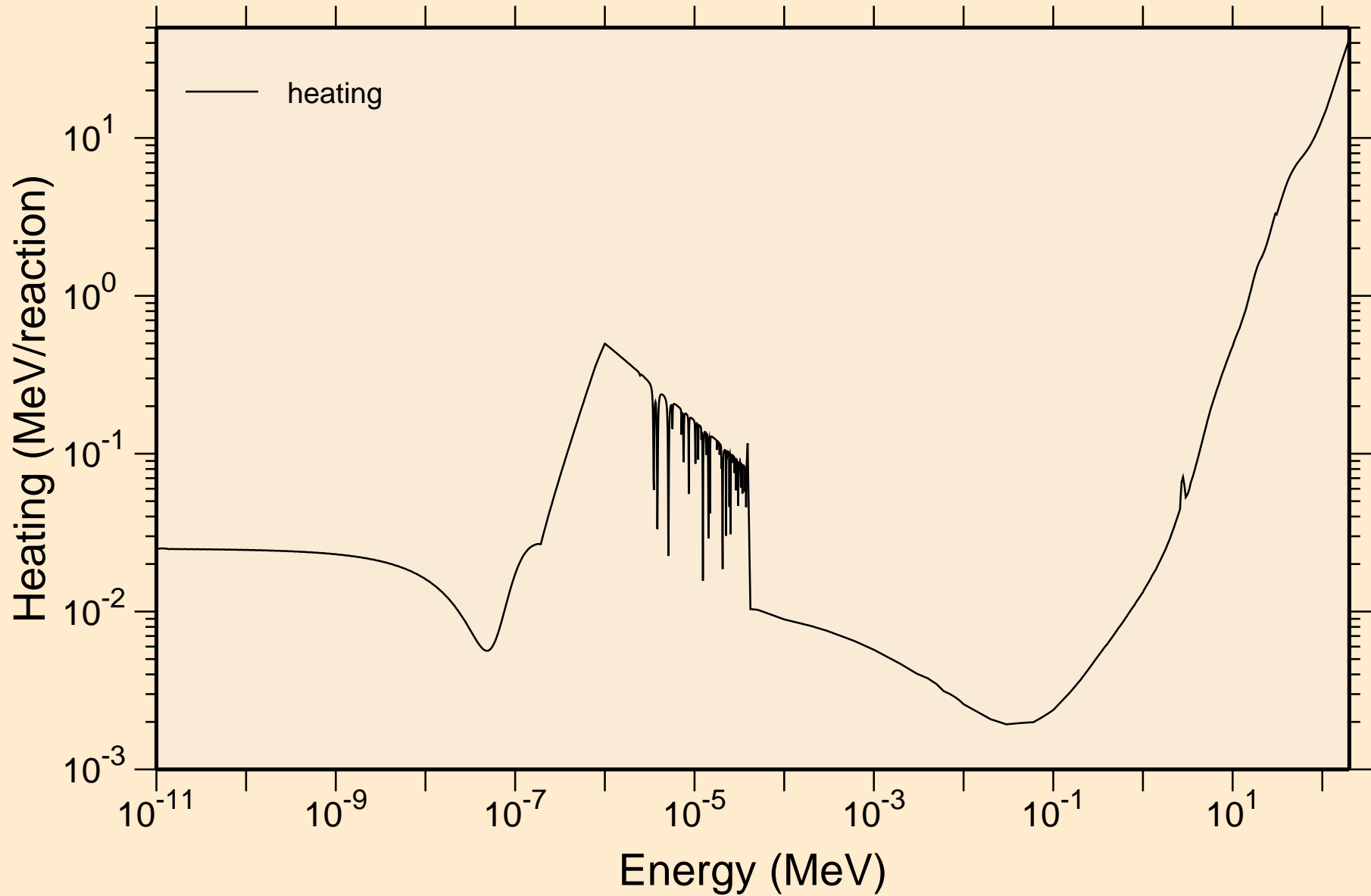
HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections





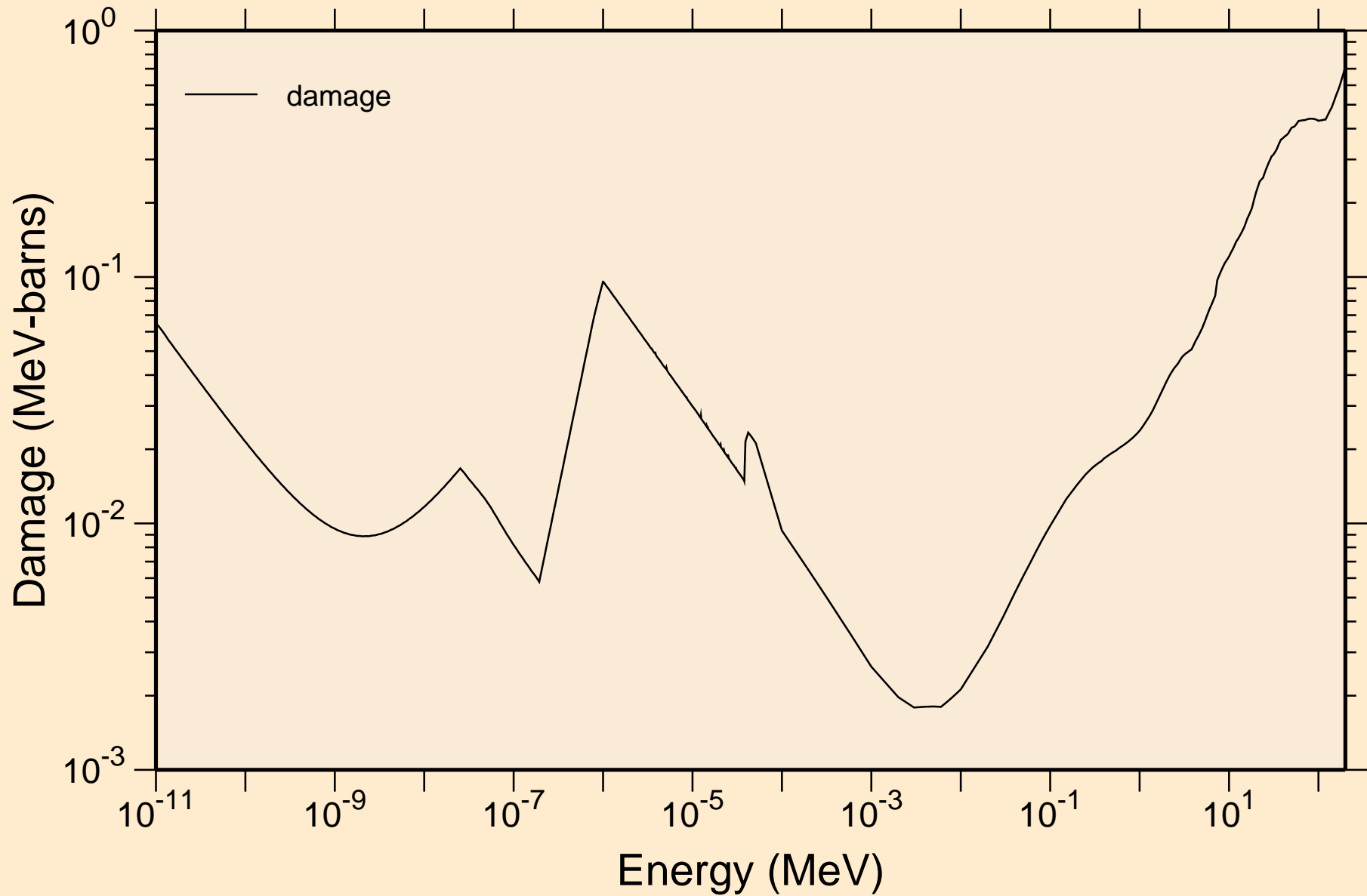
# HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Heating



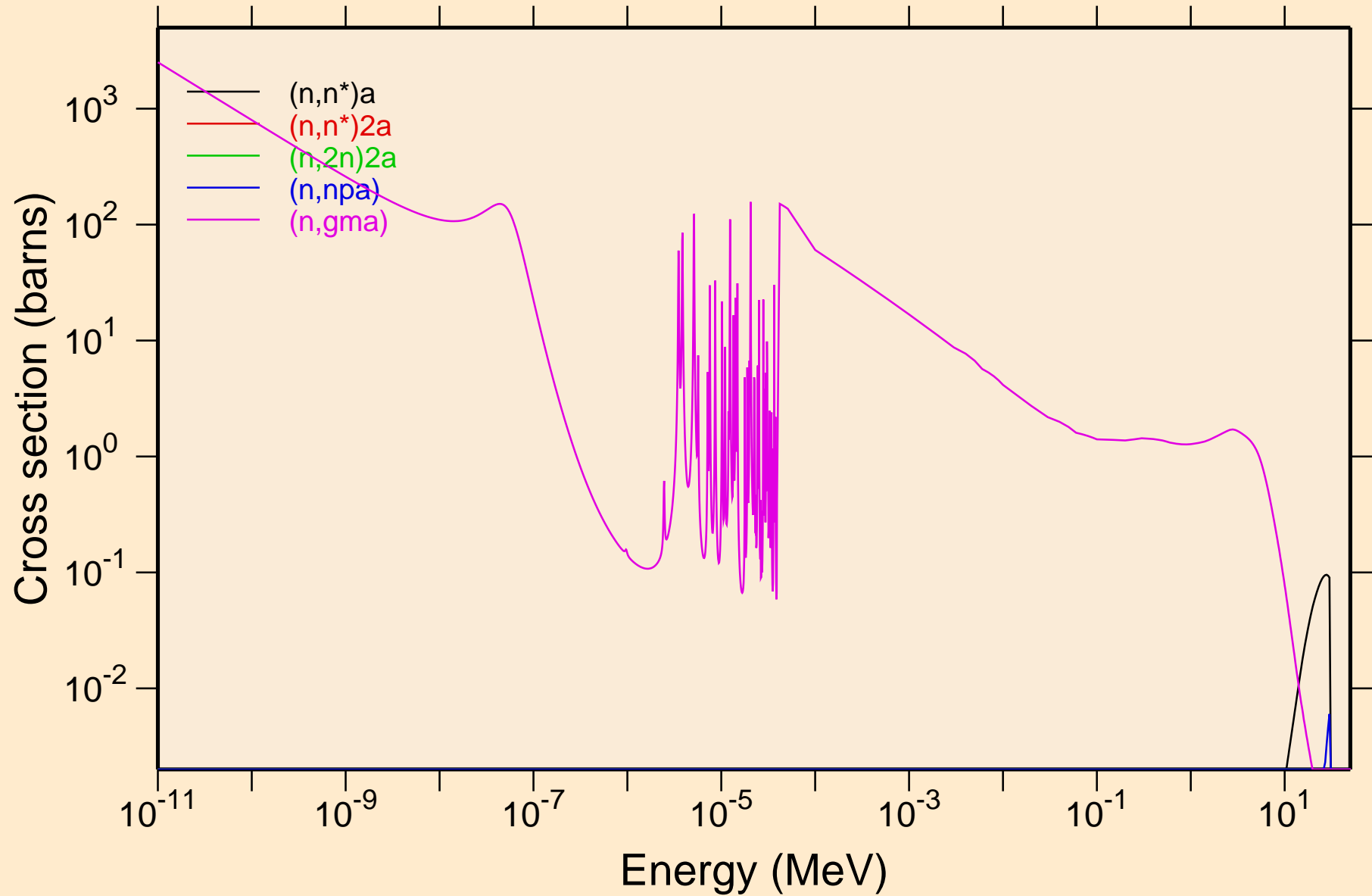
# HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Damage



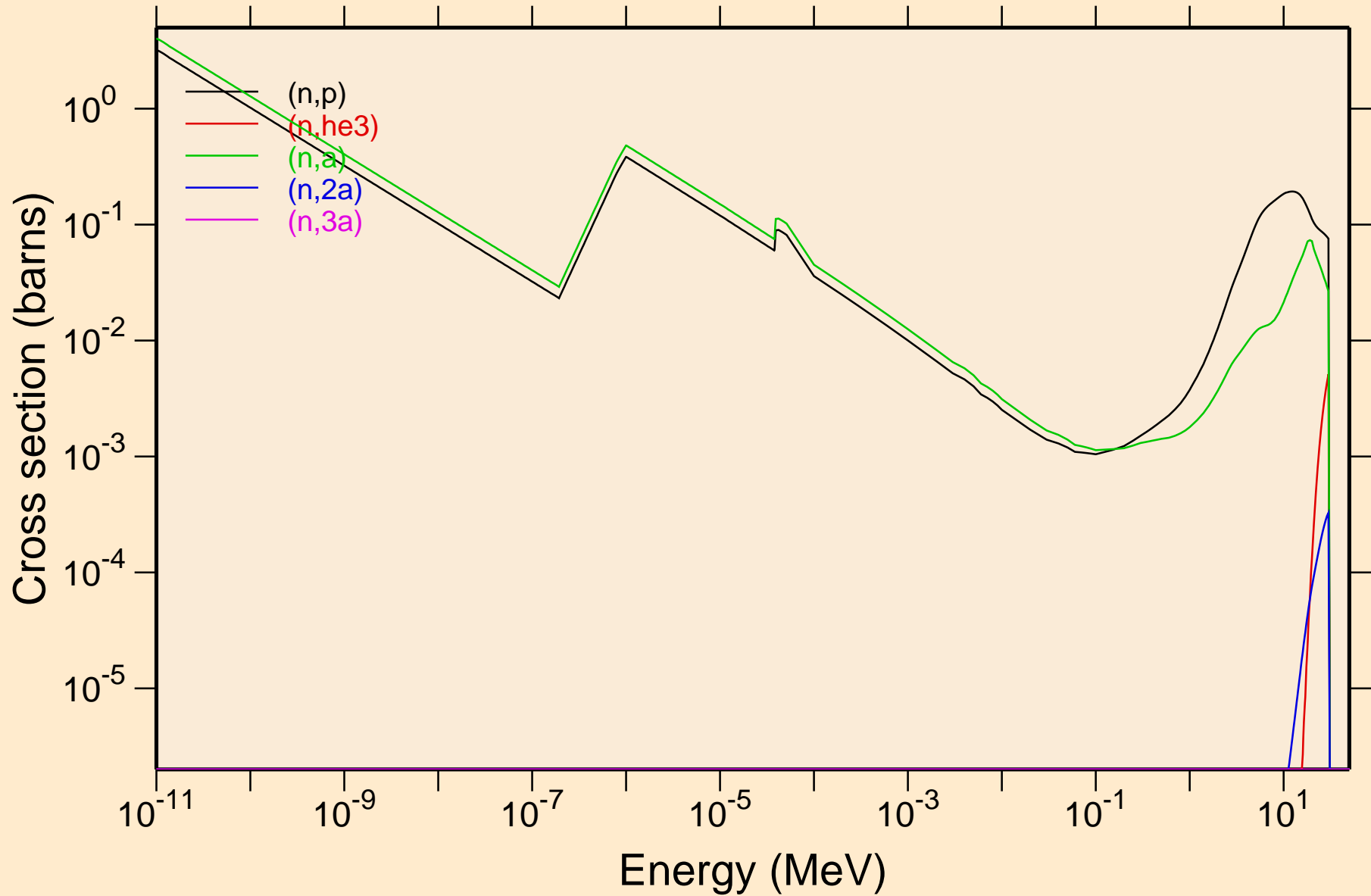
# HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Non-threshold reactions



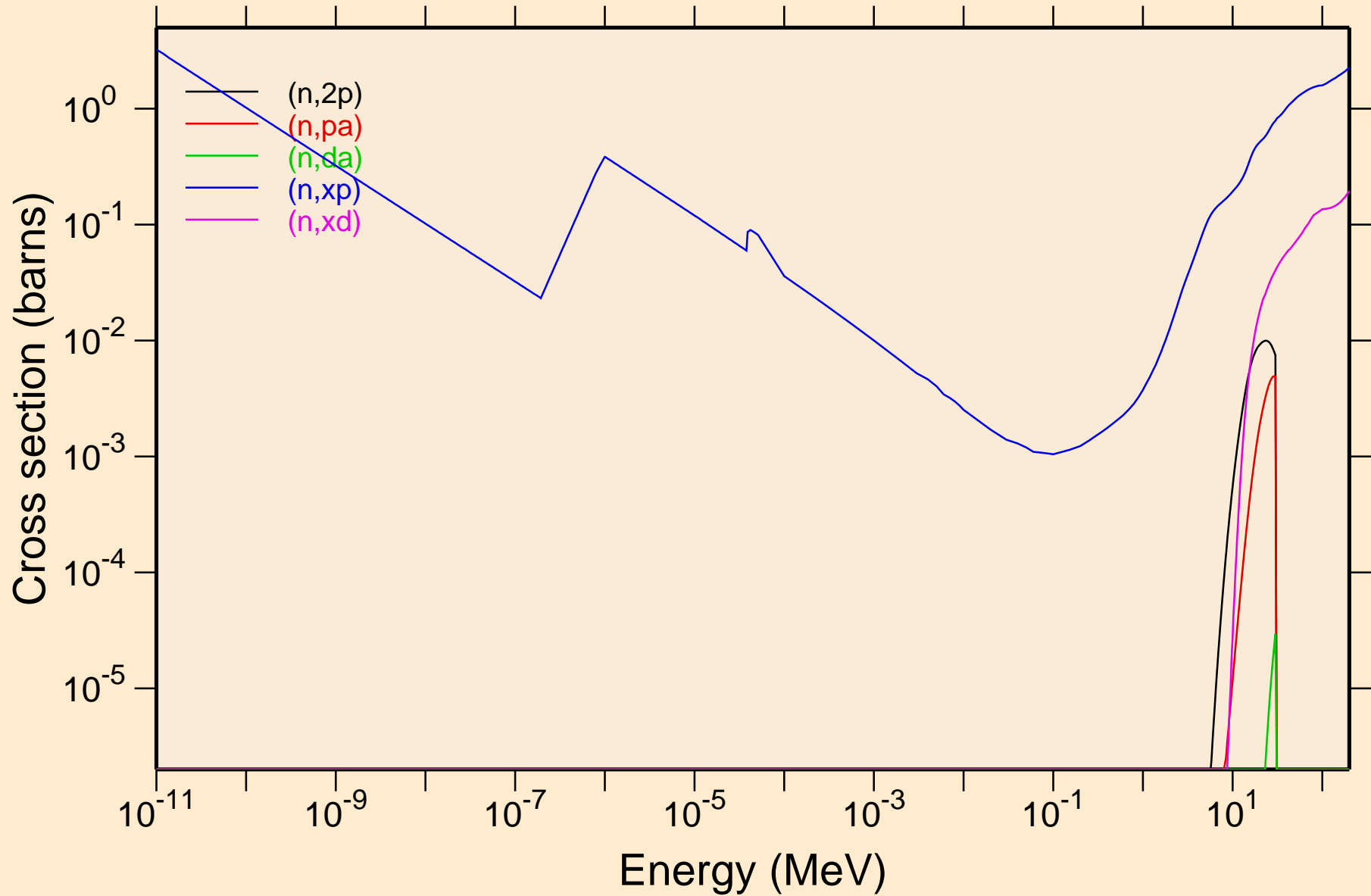
# HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Non-threshold reactions

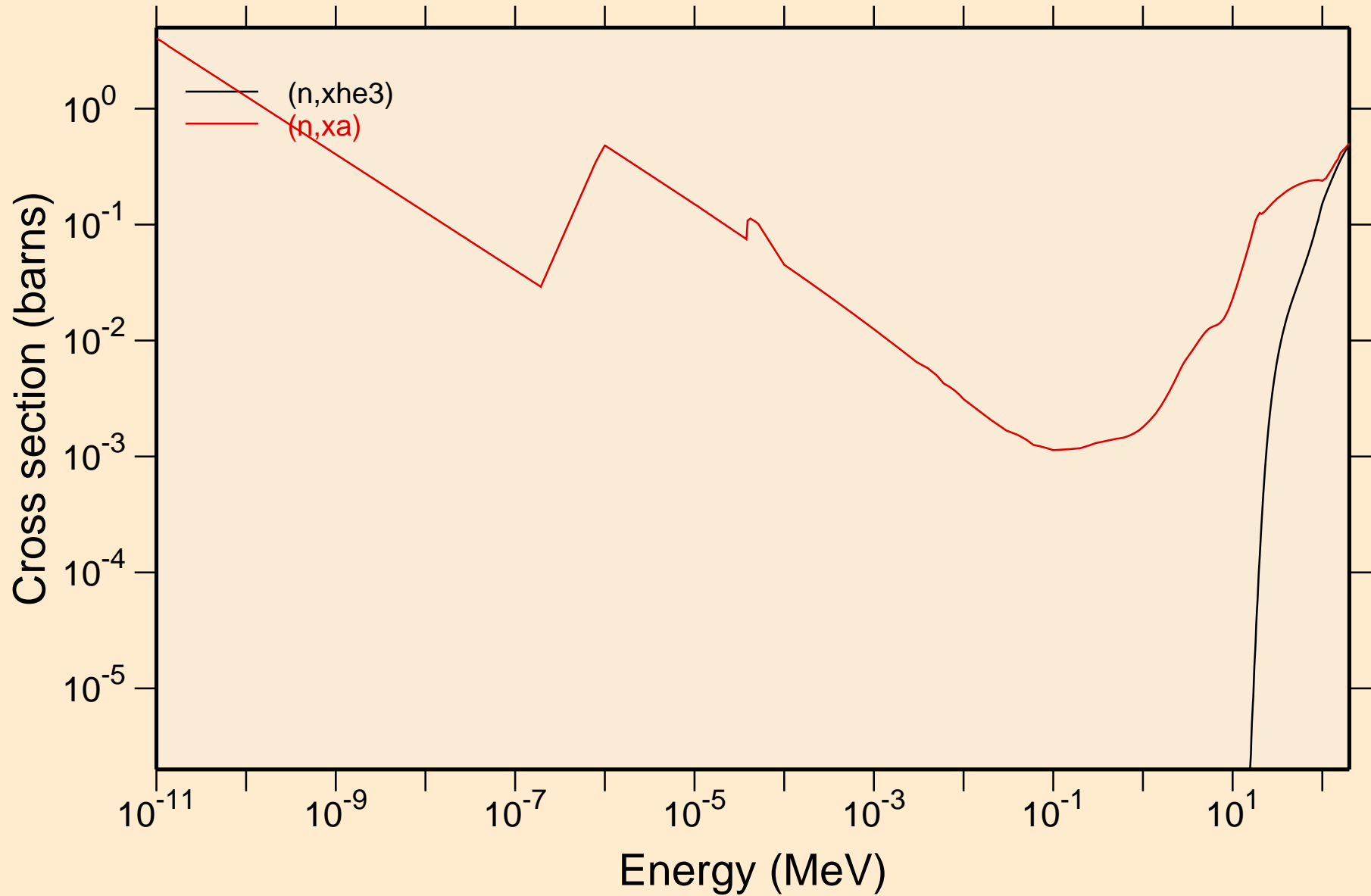


# HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Non-threshold reactions

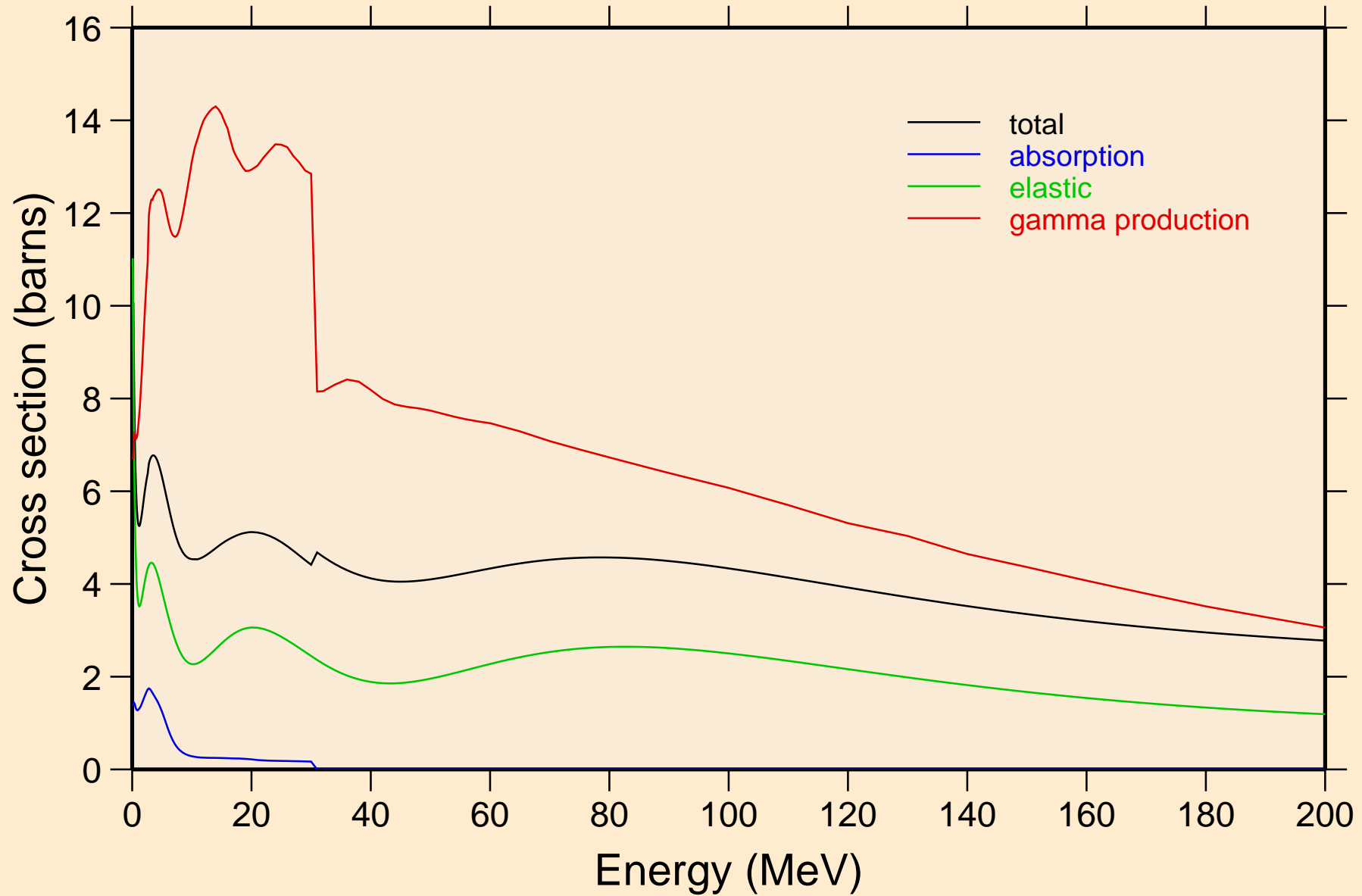


HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



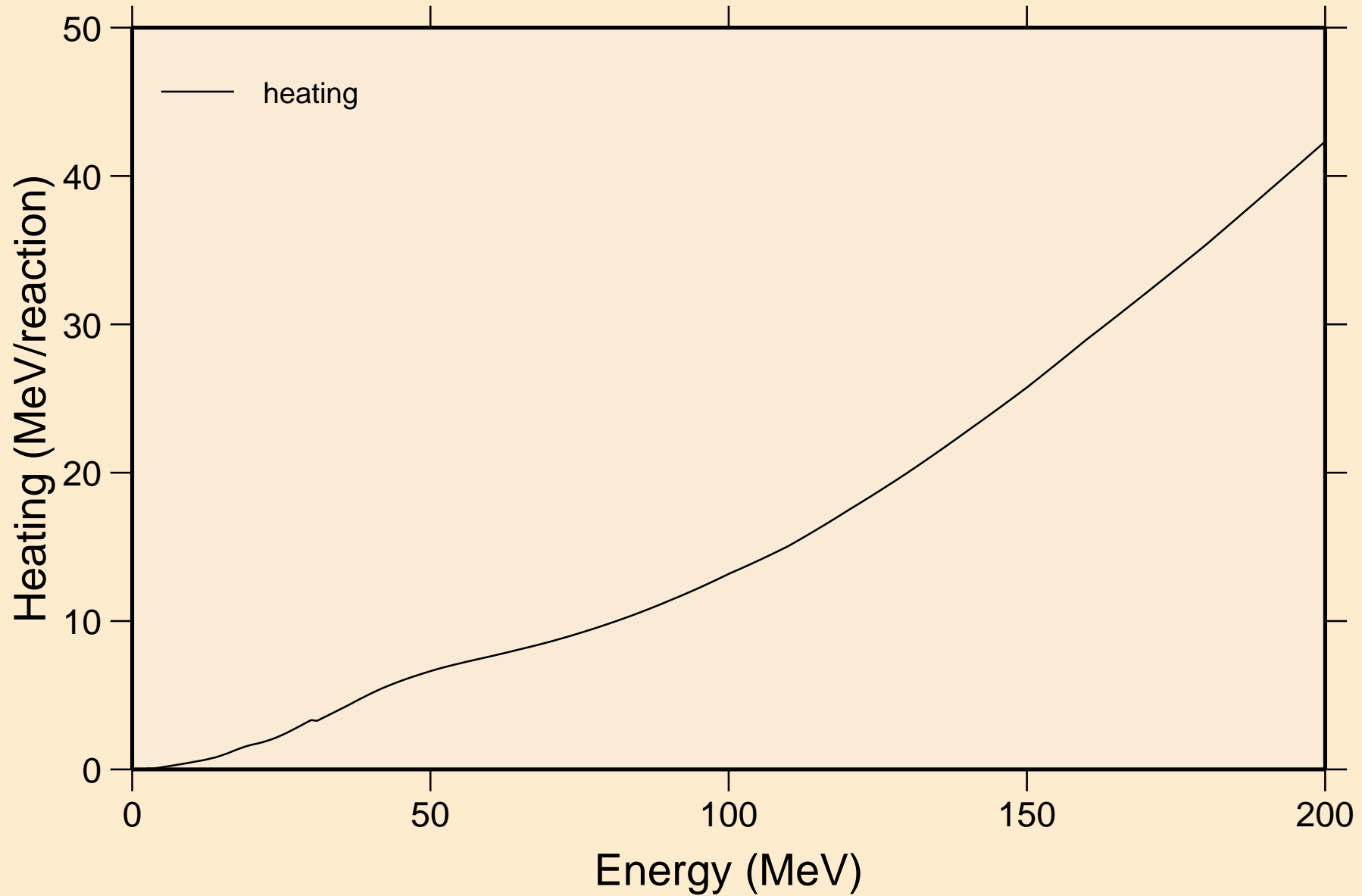
# HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



# HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

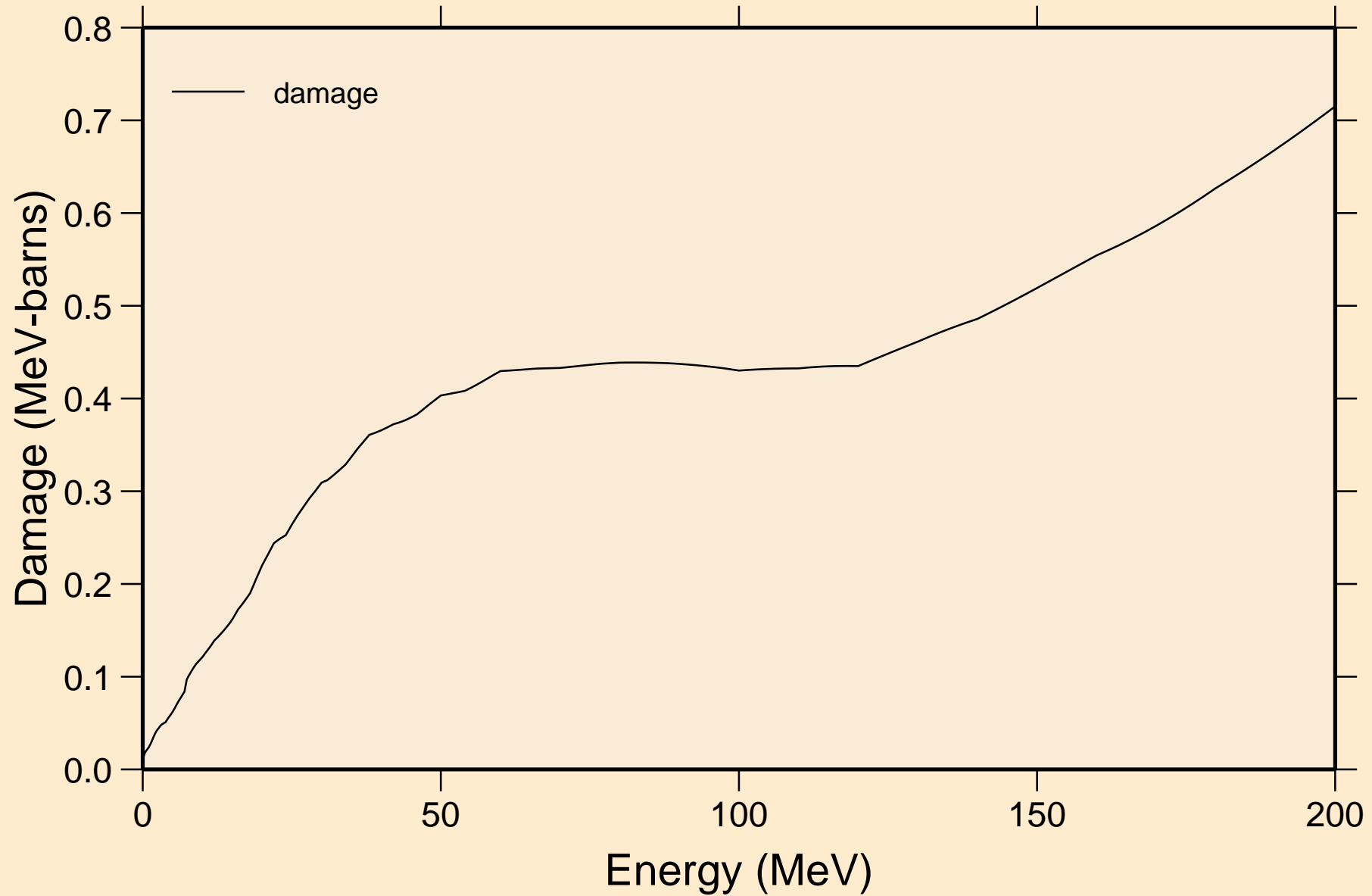
## Heating





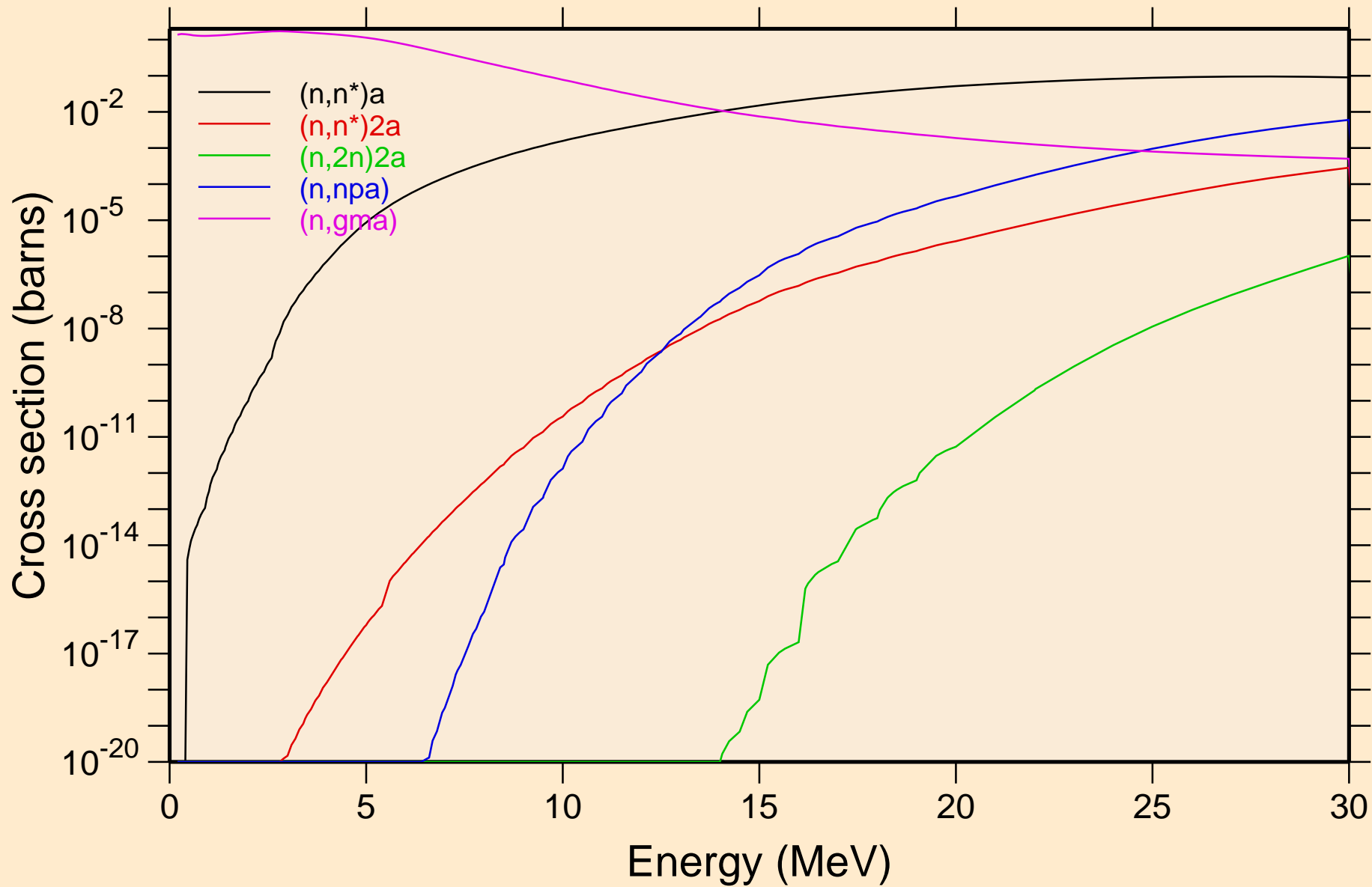
# HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Damage

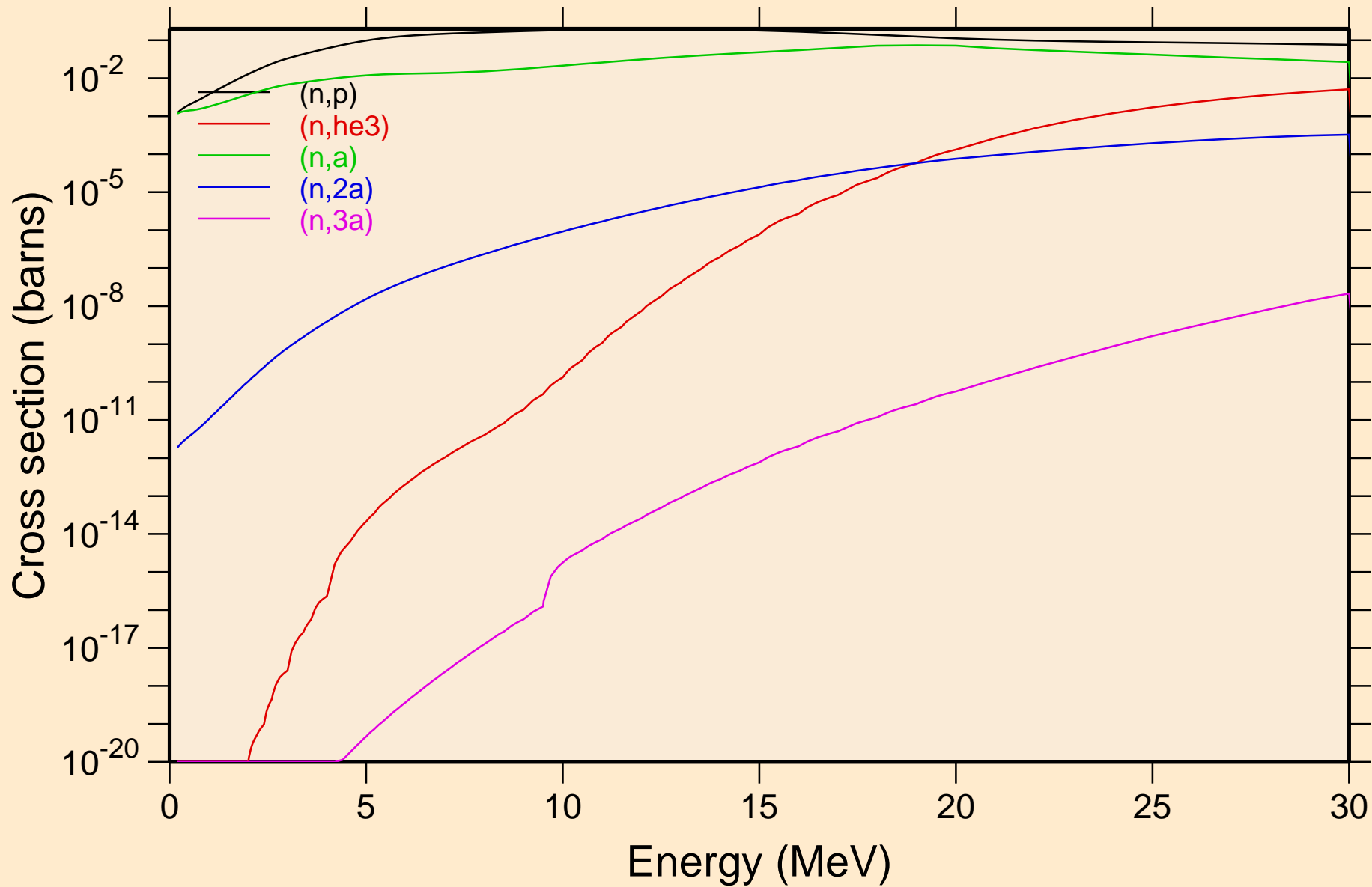


# HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Non-threshold reactions

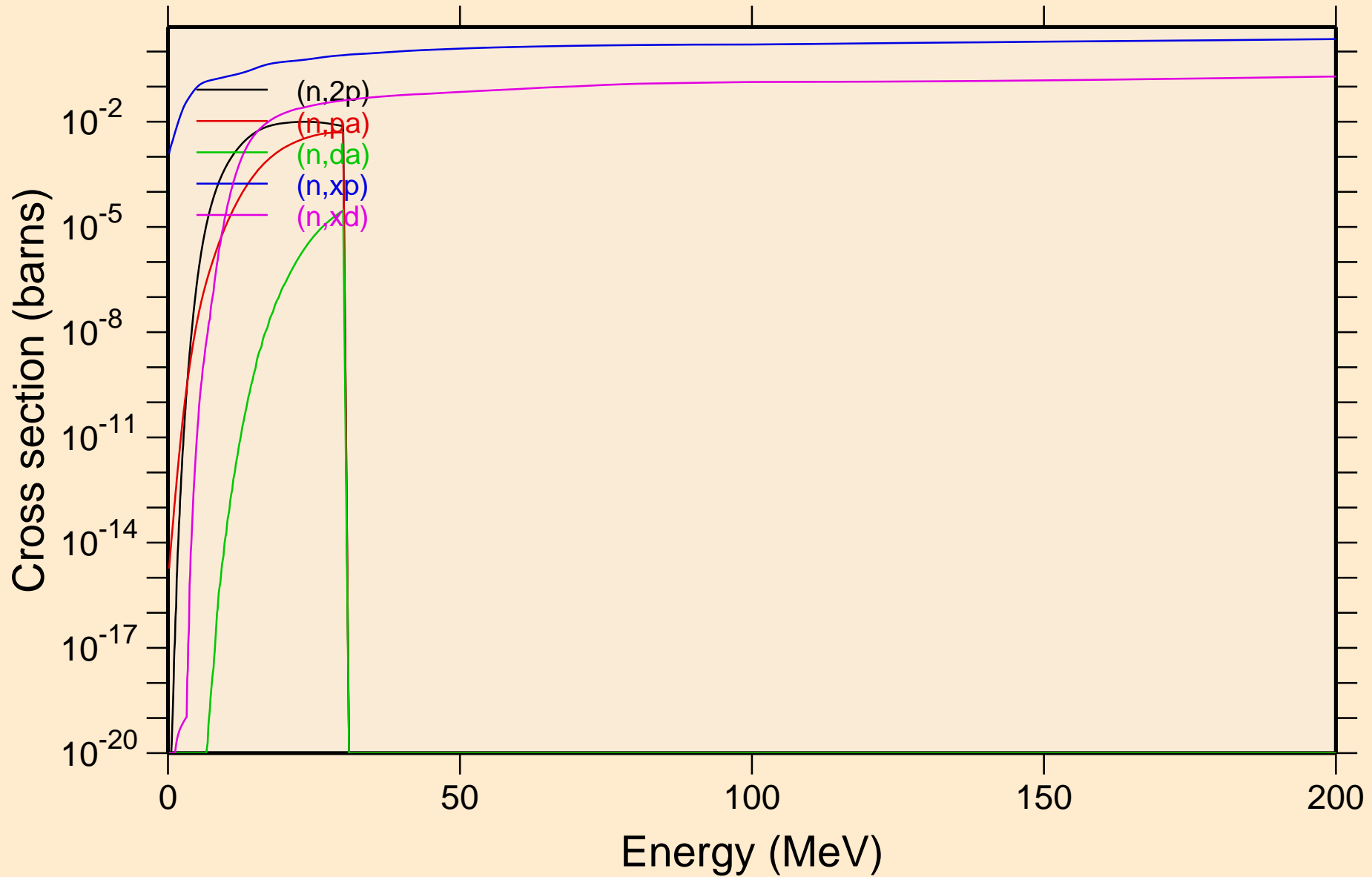


HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

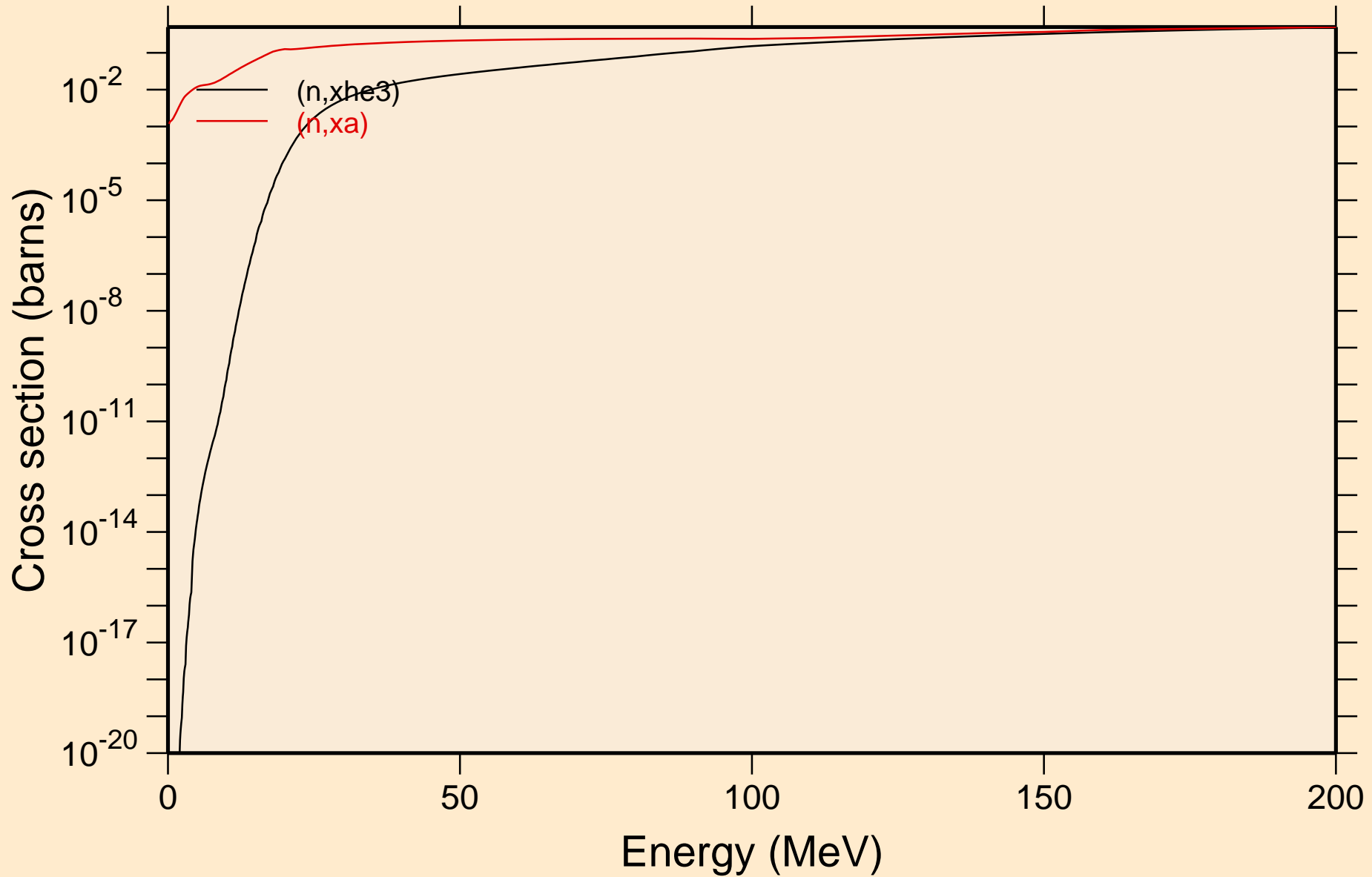


# HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Non-threshold reactions

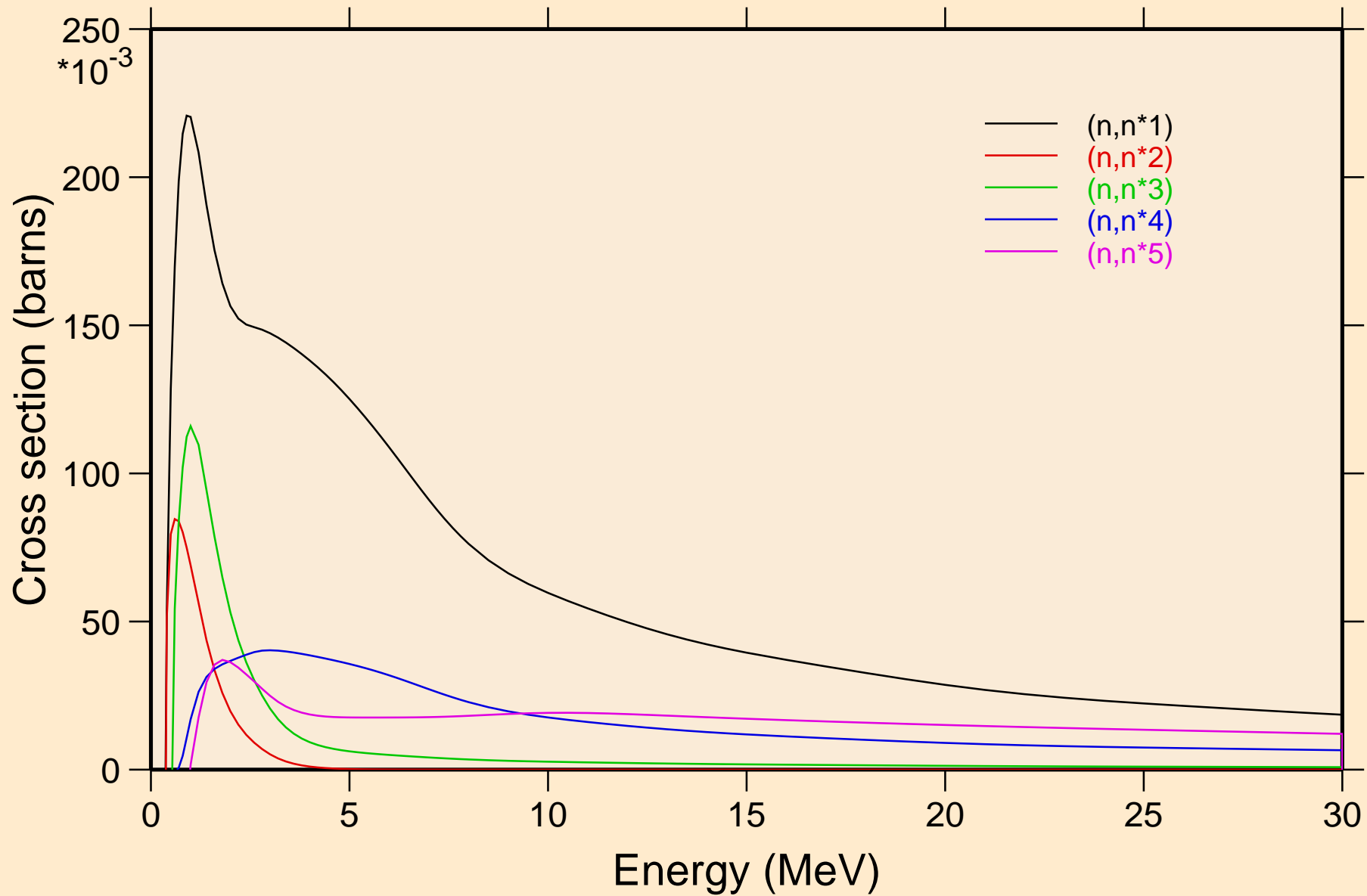


HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



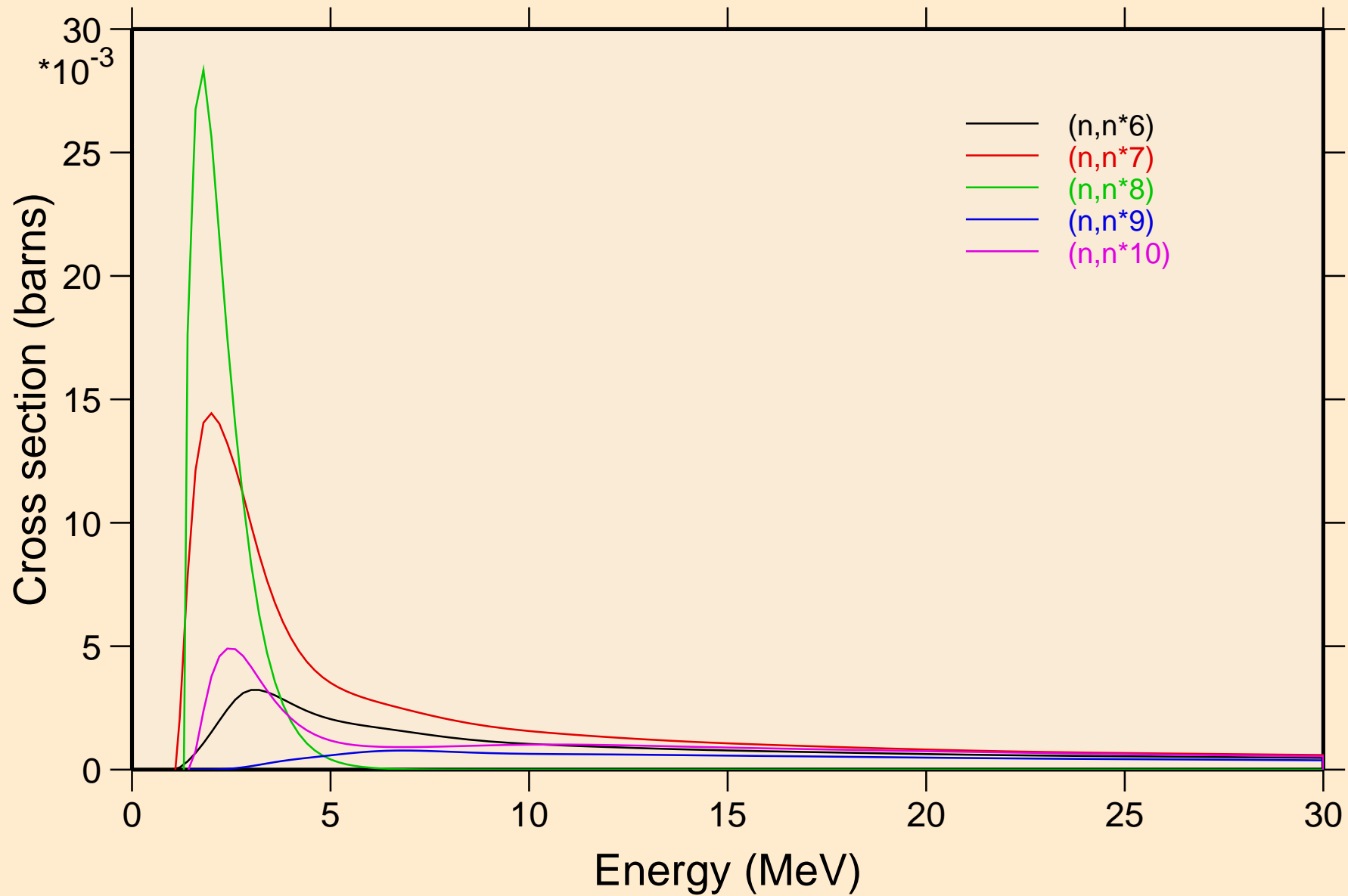
# HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Inelastic levels

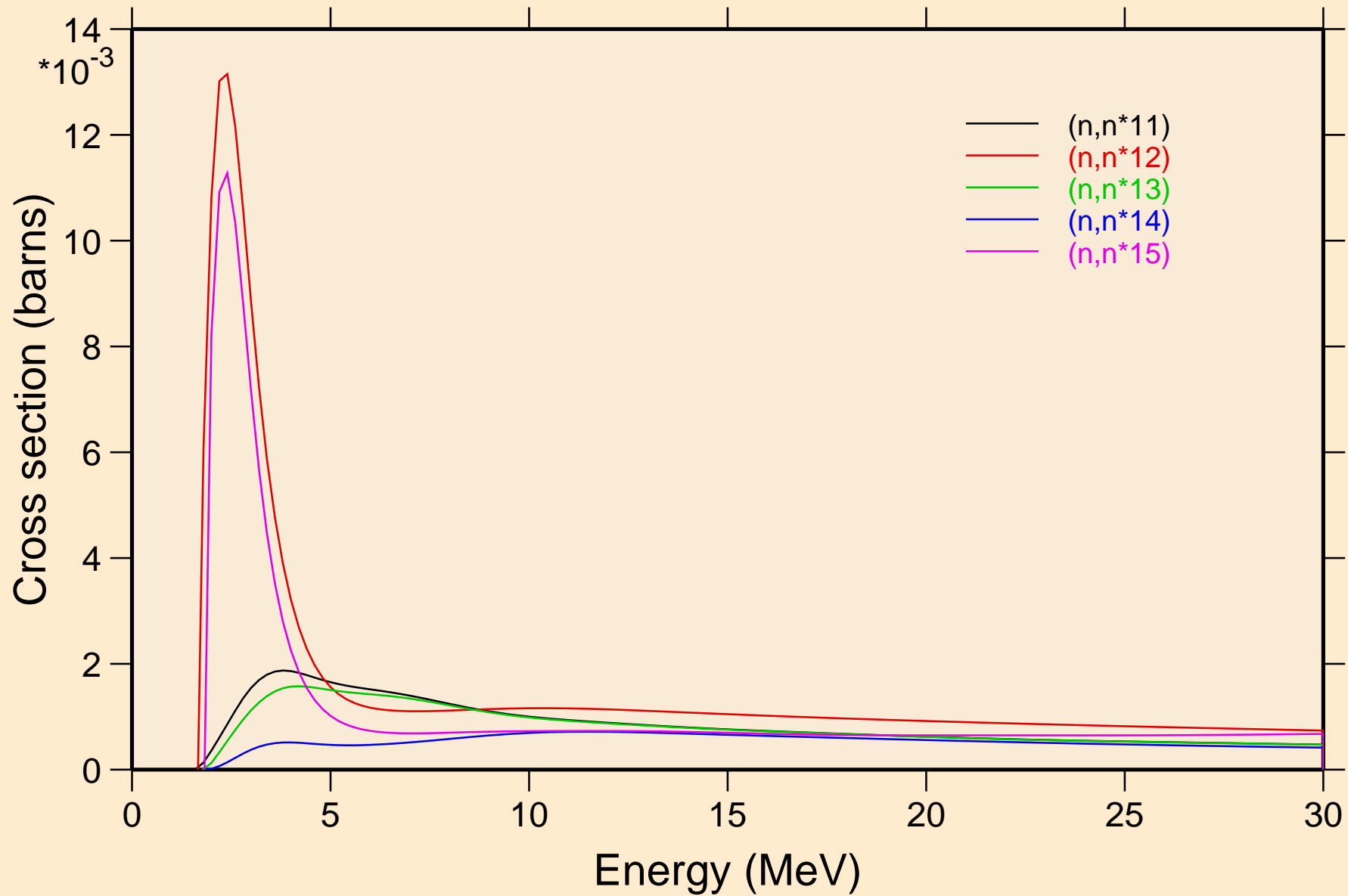


# HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Inelastic levels



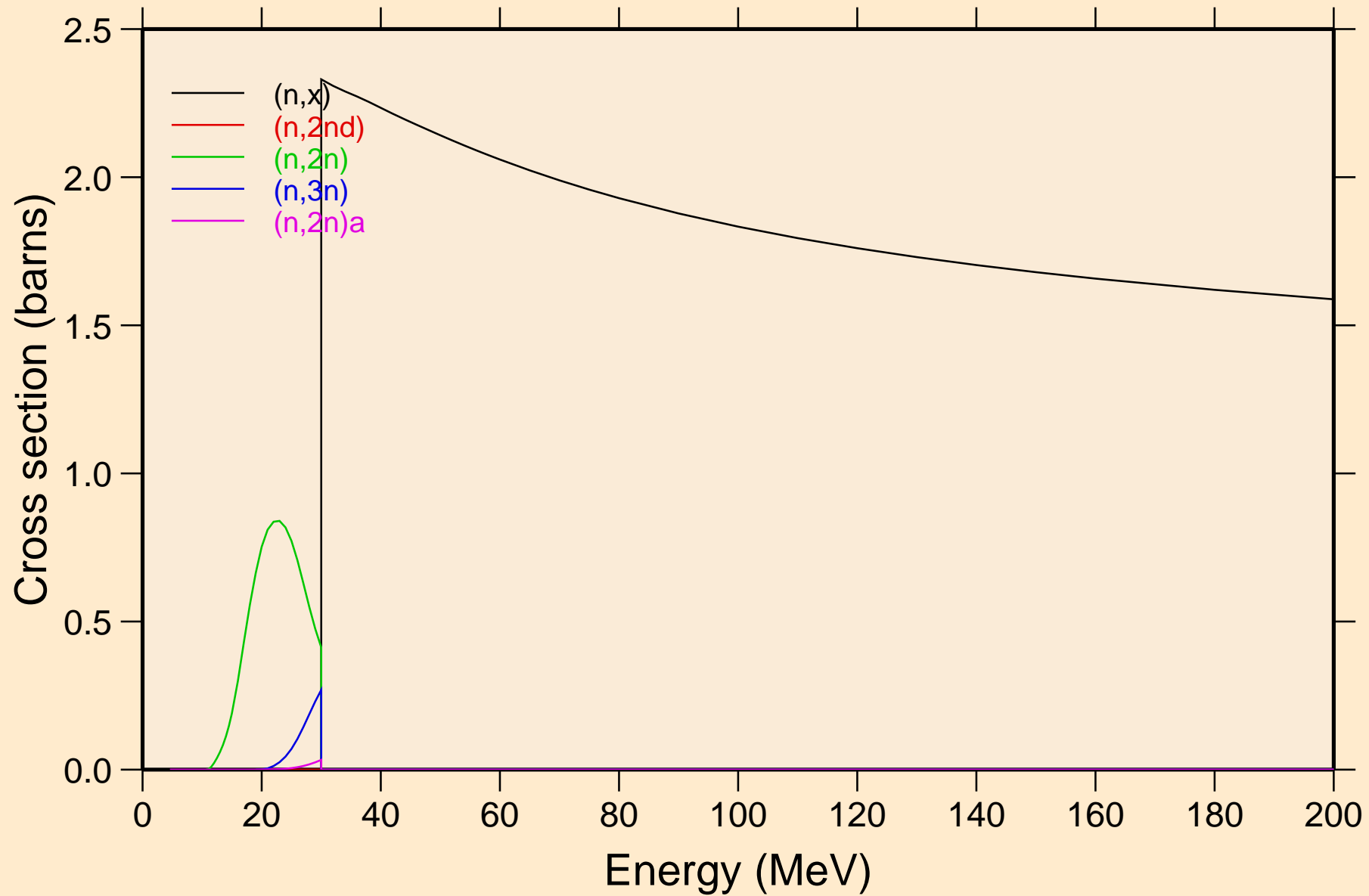
HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels





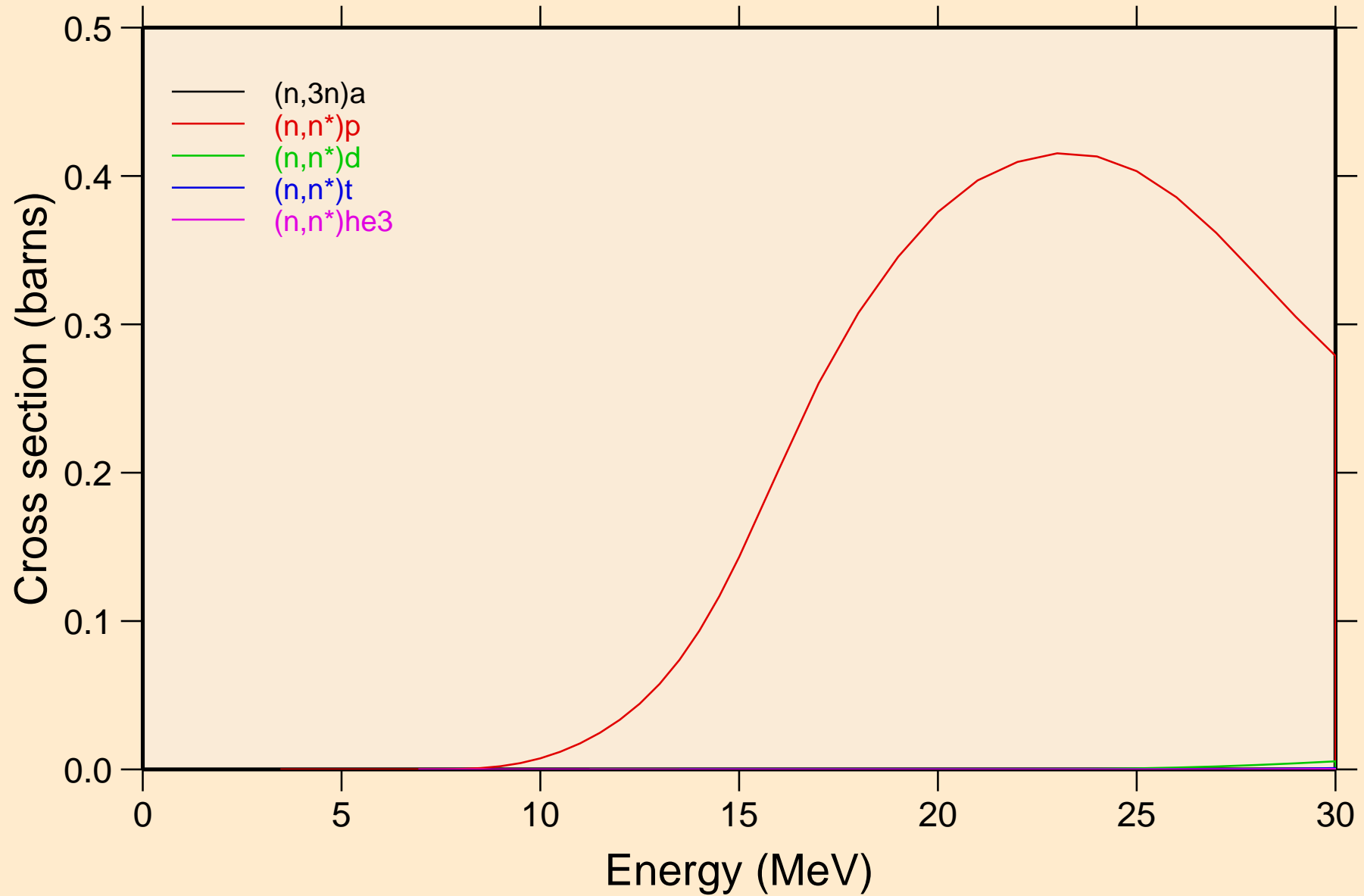
# HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



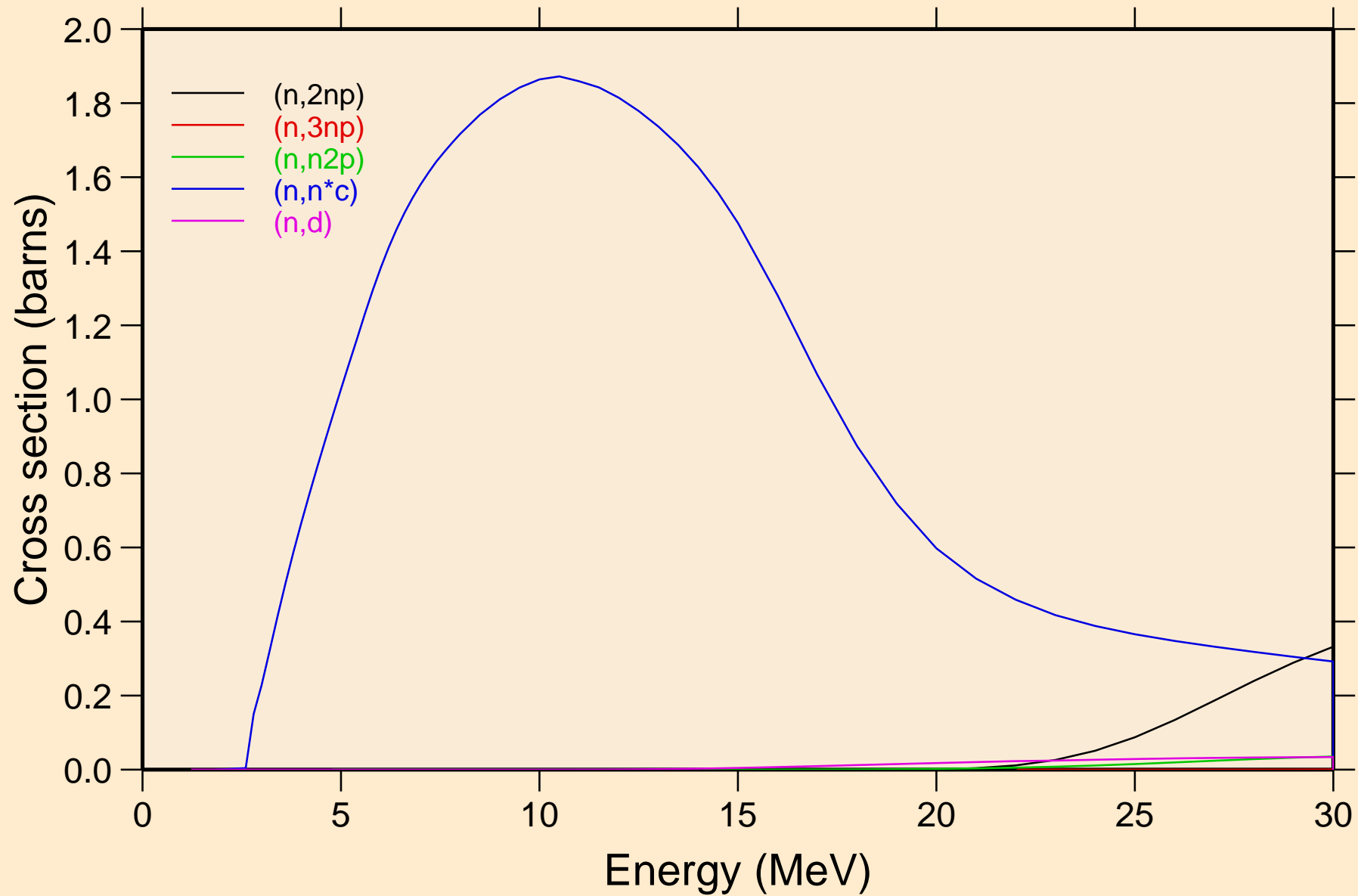
# HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



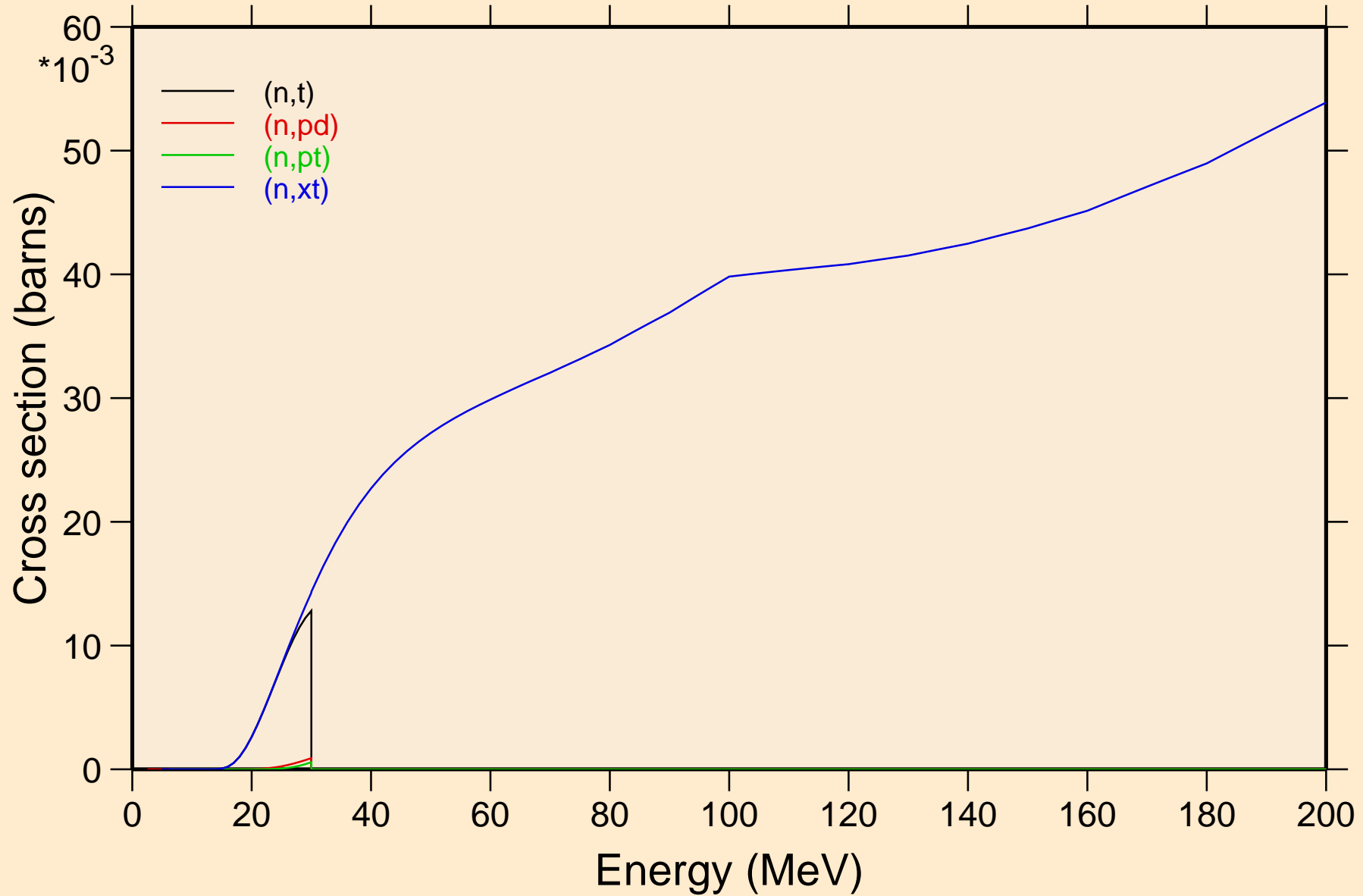
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## Threshold reactions

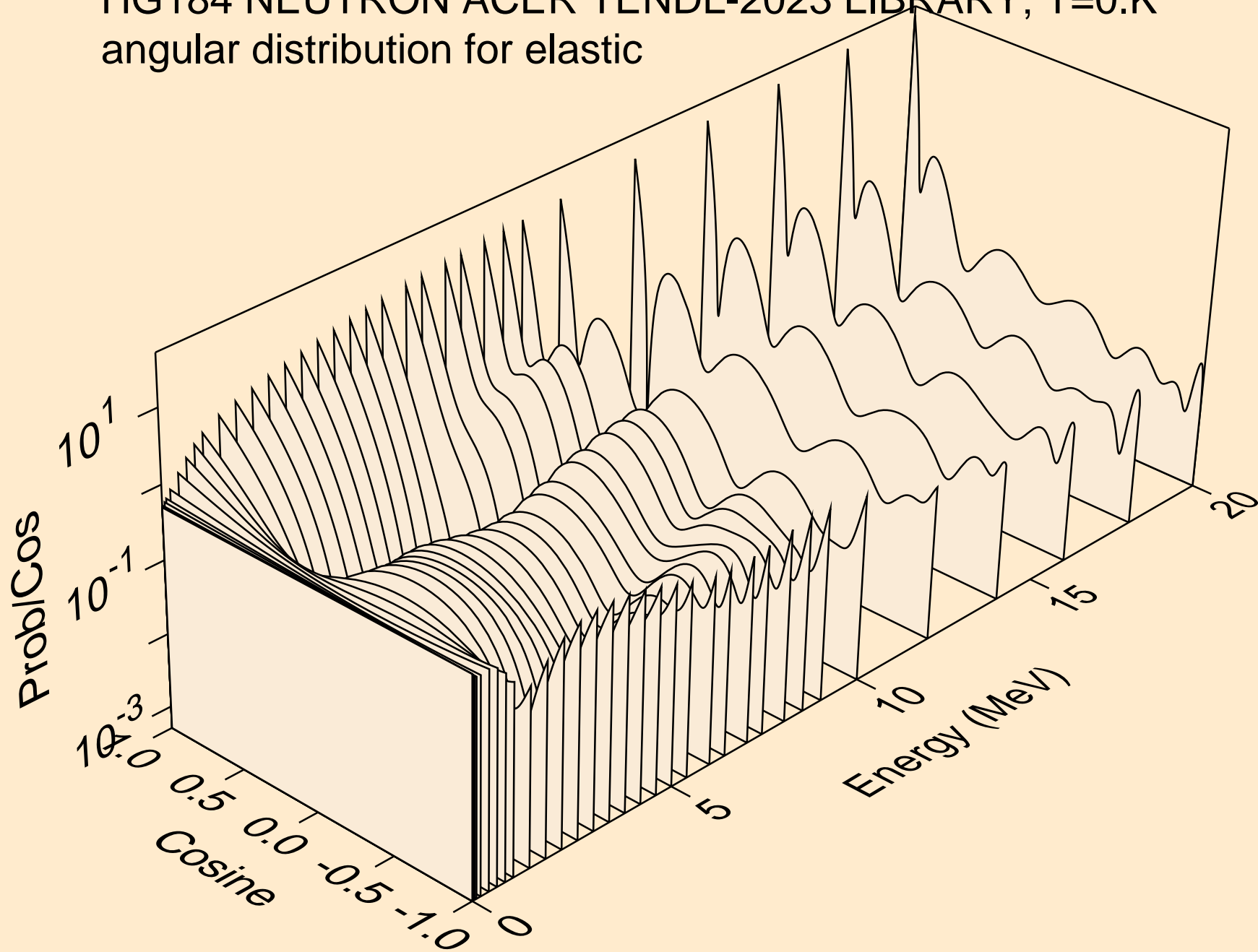


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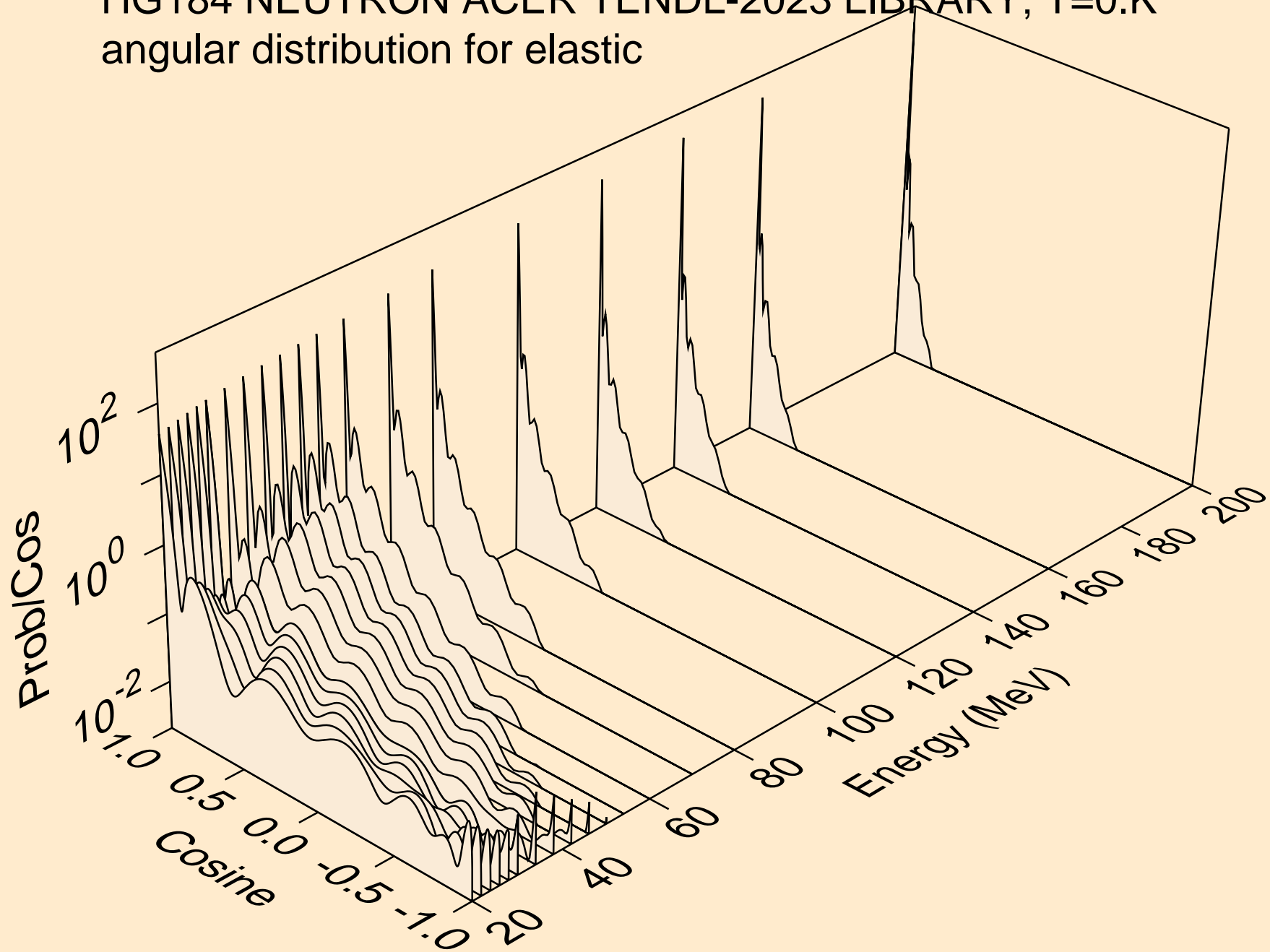
## Threshold reactions



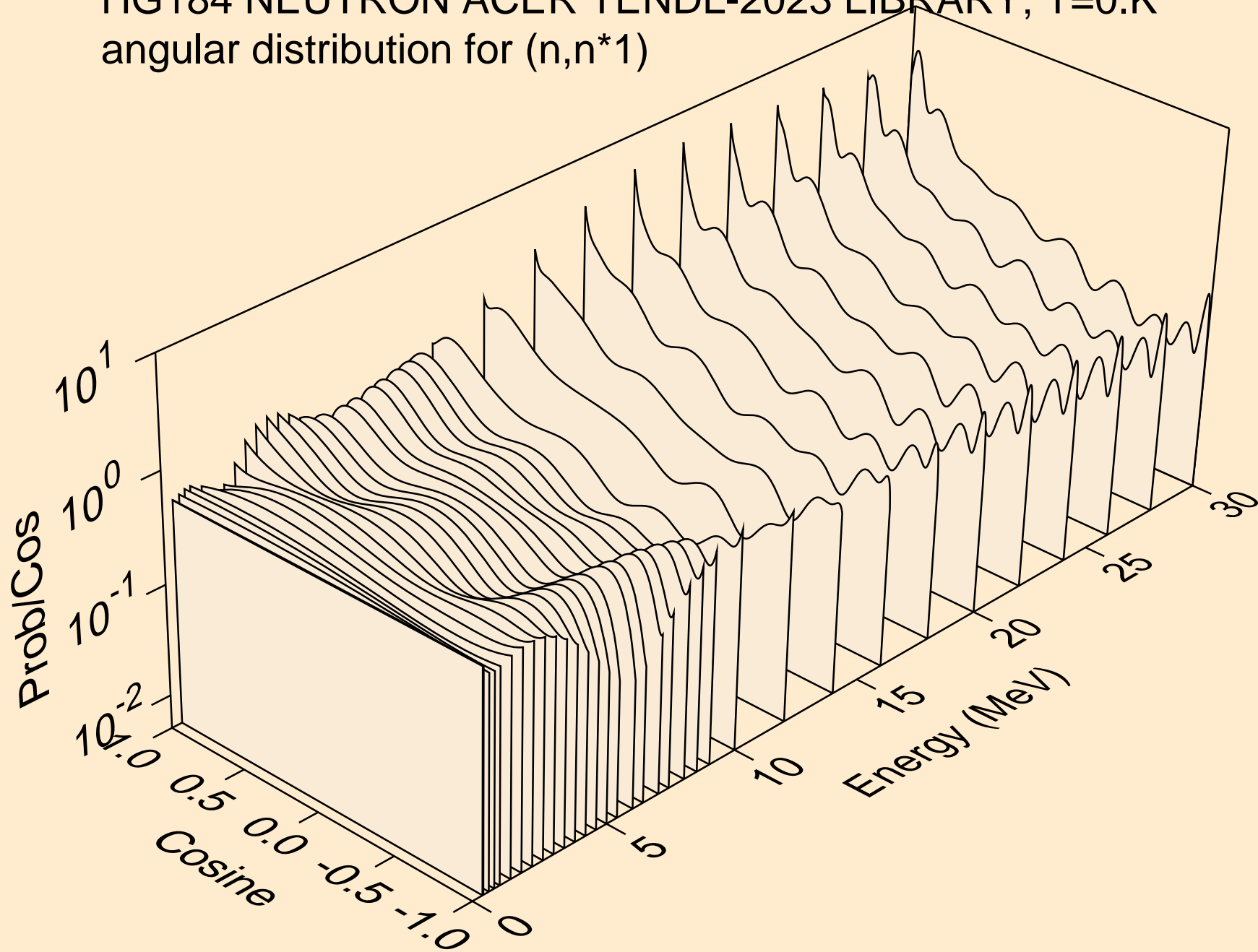
HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



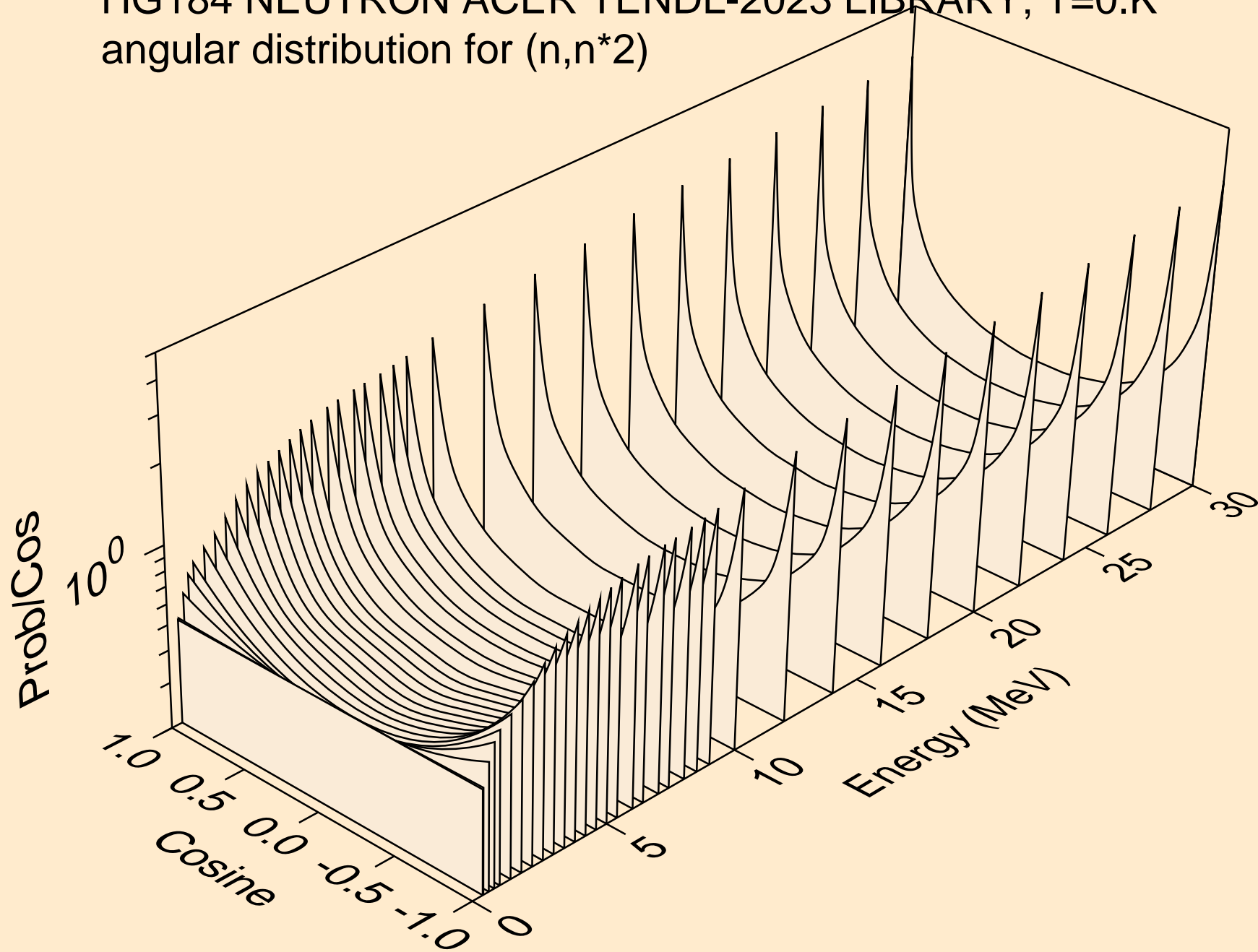
HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*1)

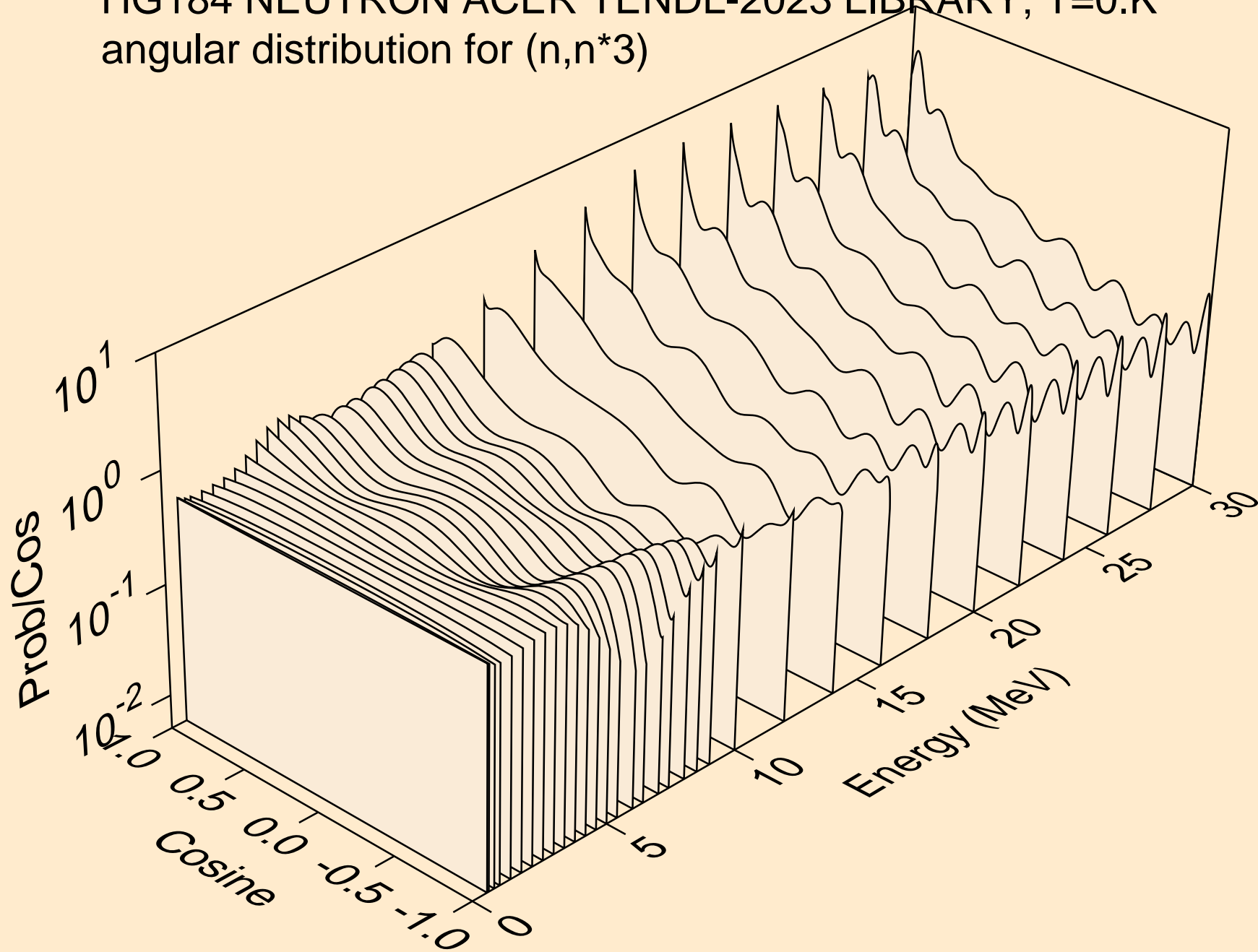


HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*2)

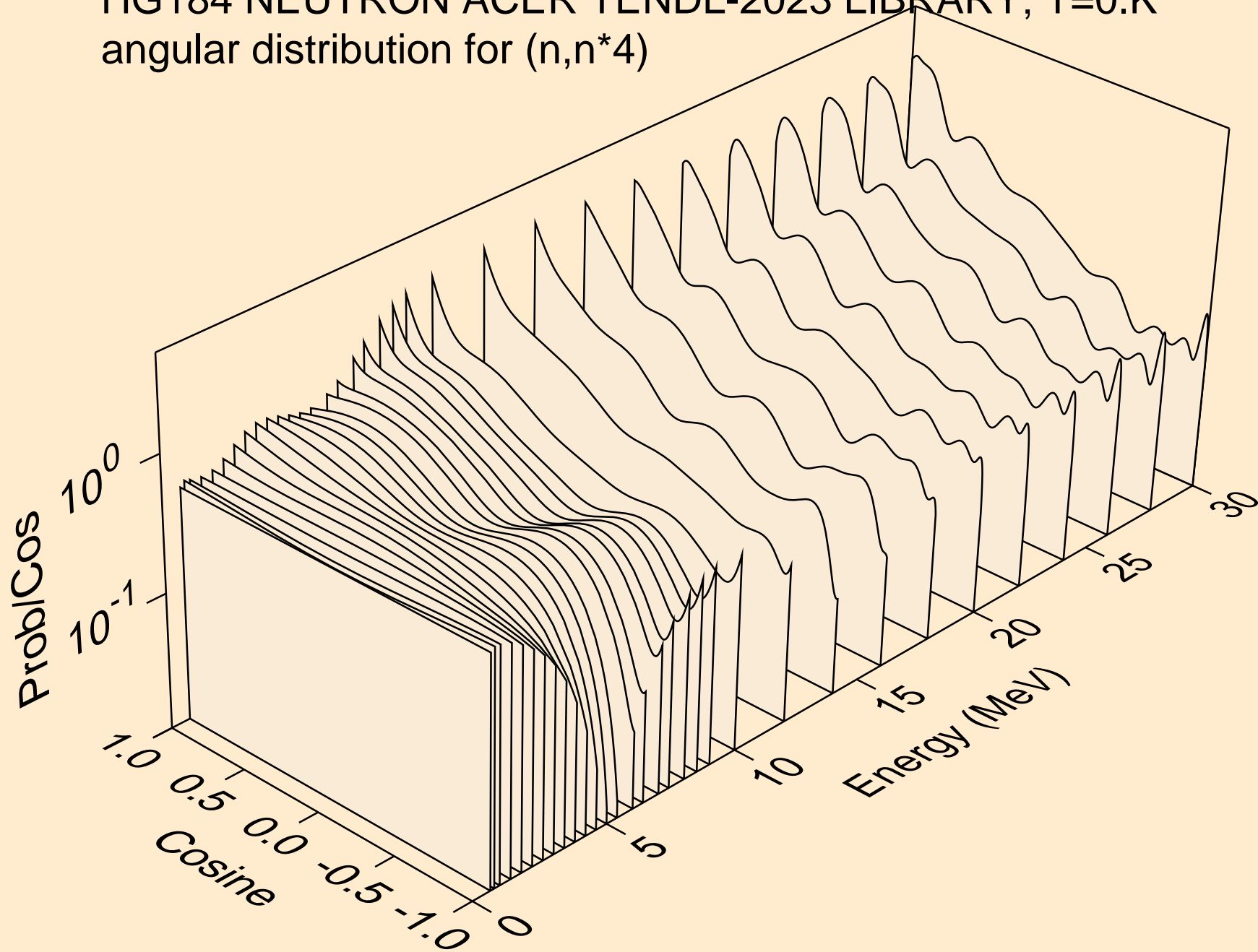




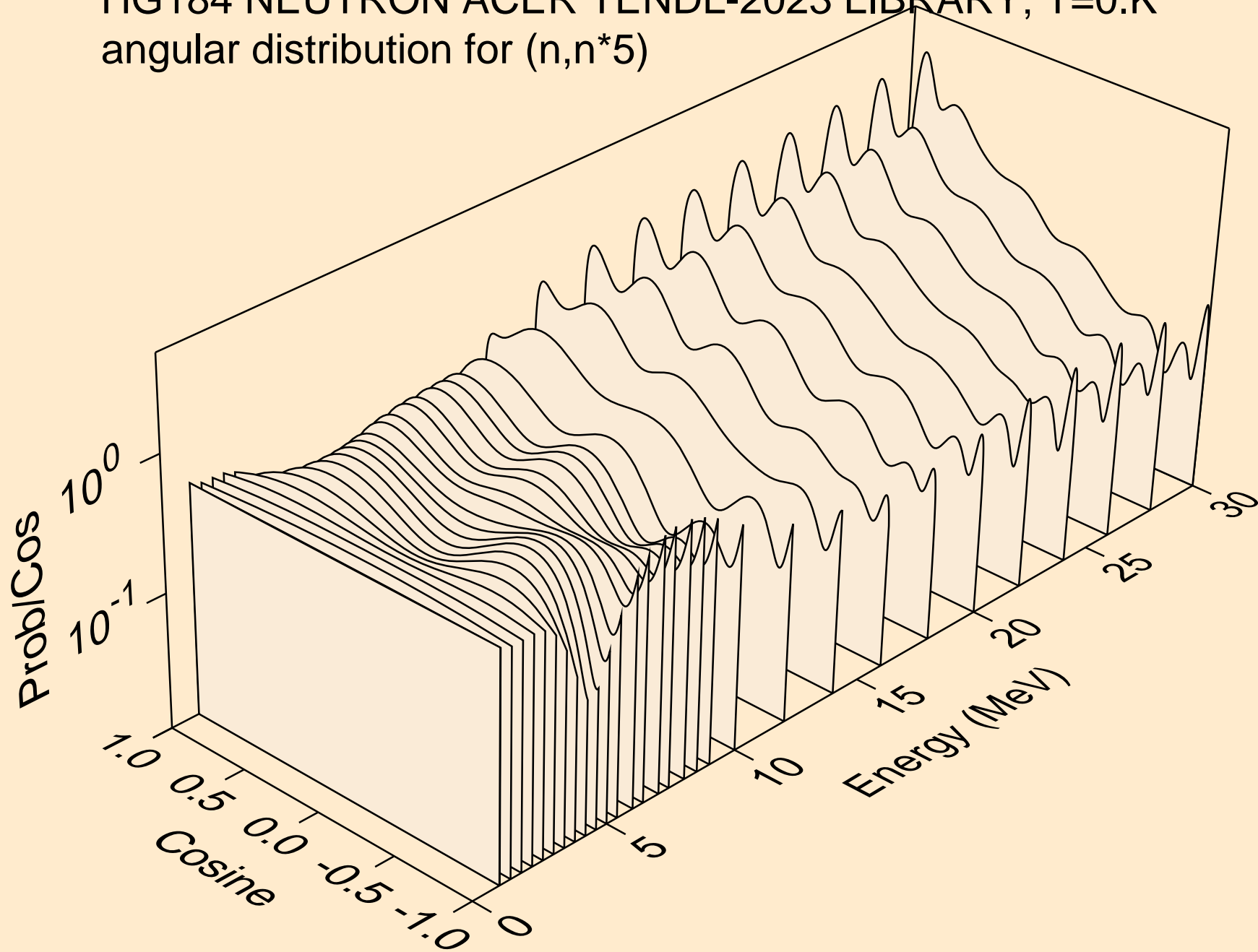
HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*3)



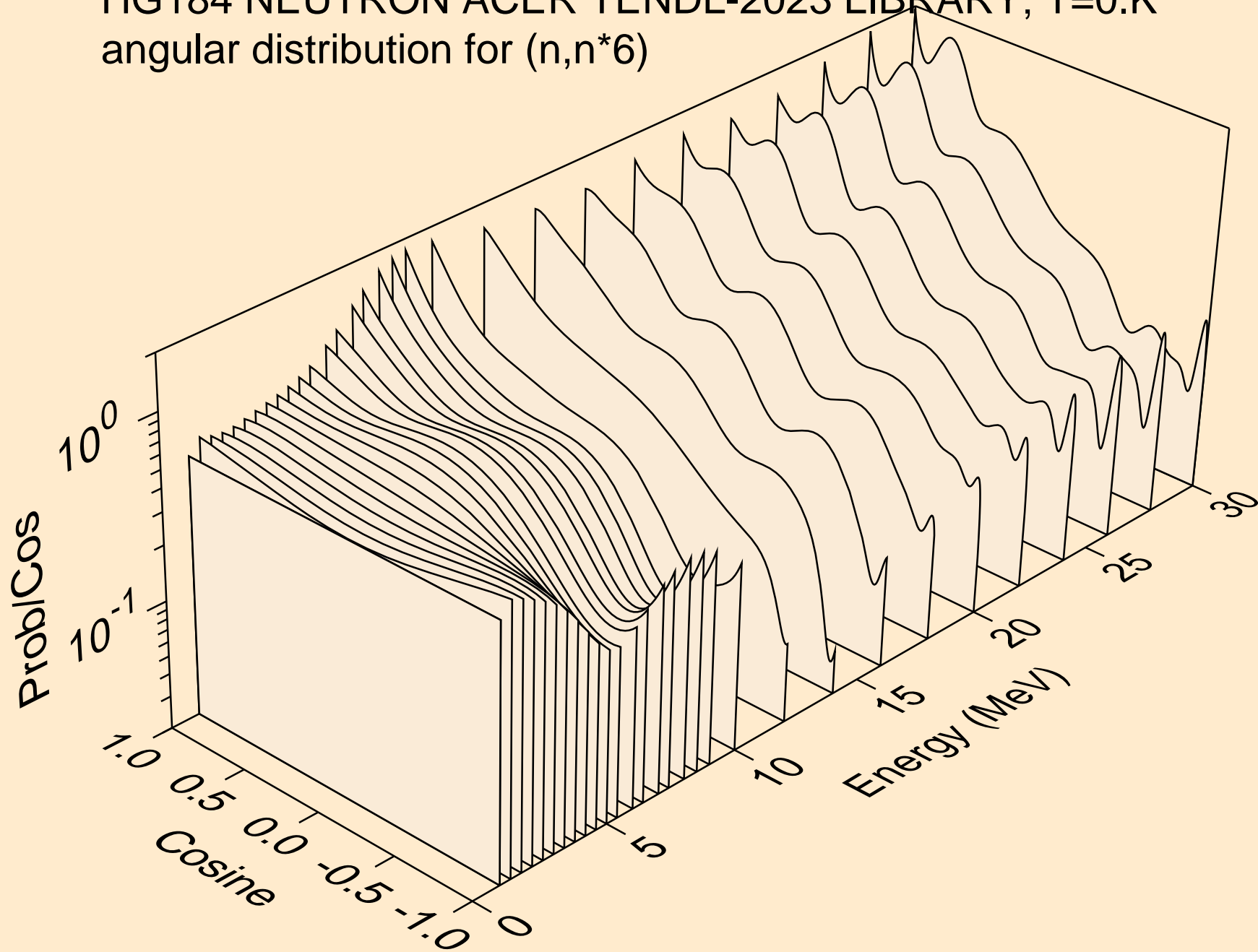
HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*4)



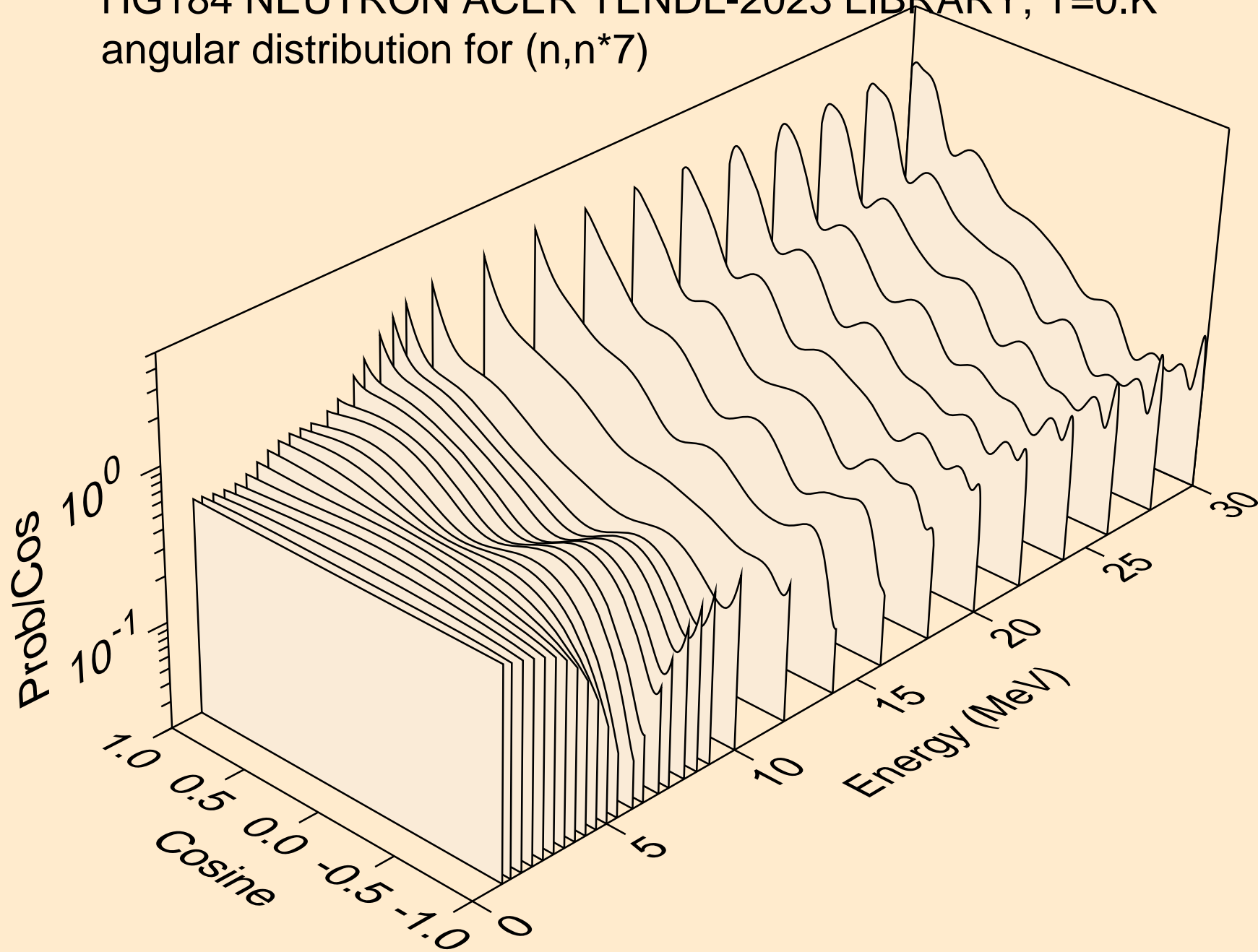
HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*5)



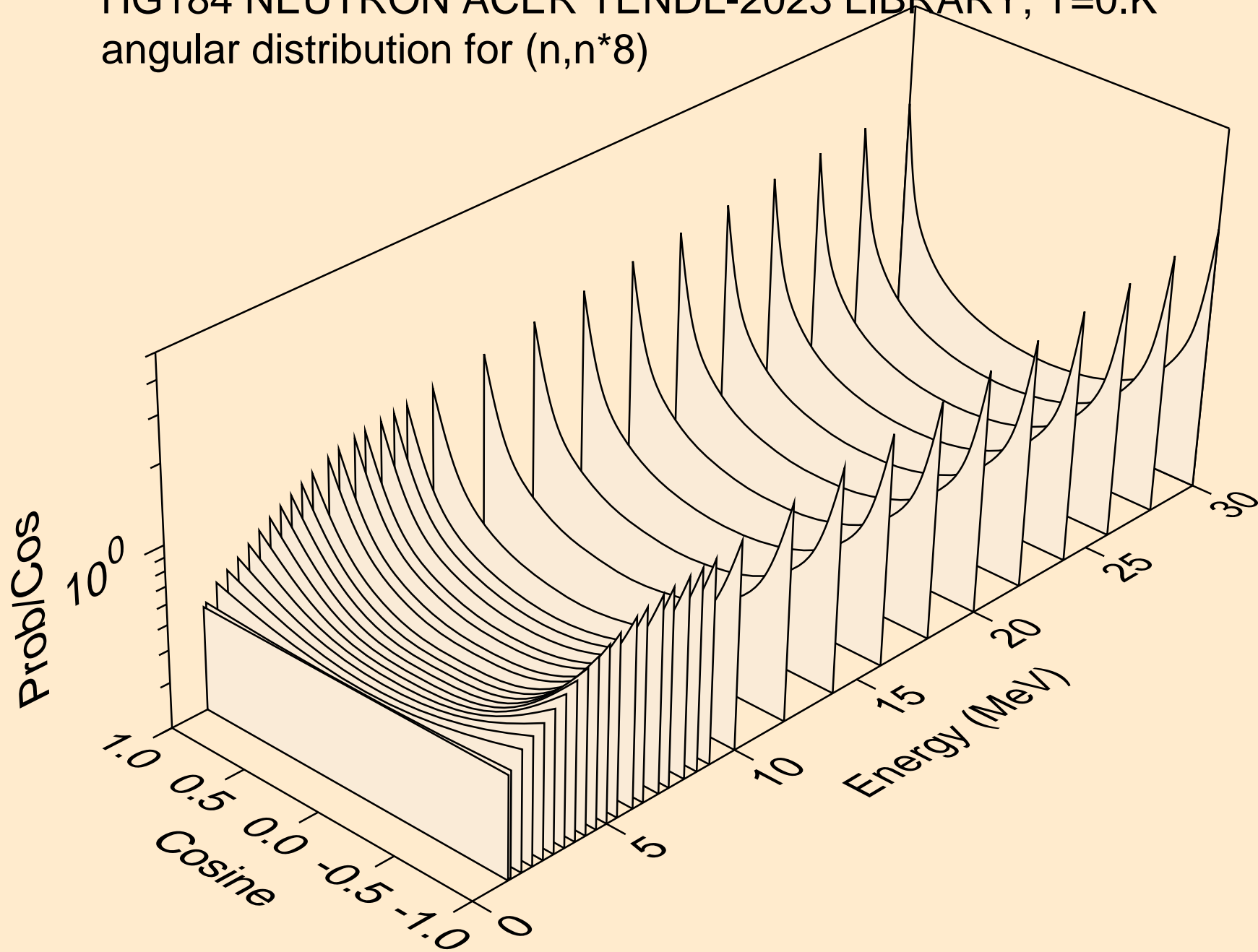
HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*6)



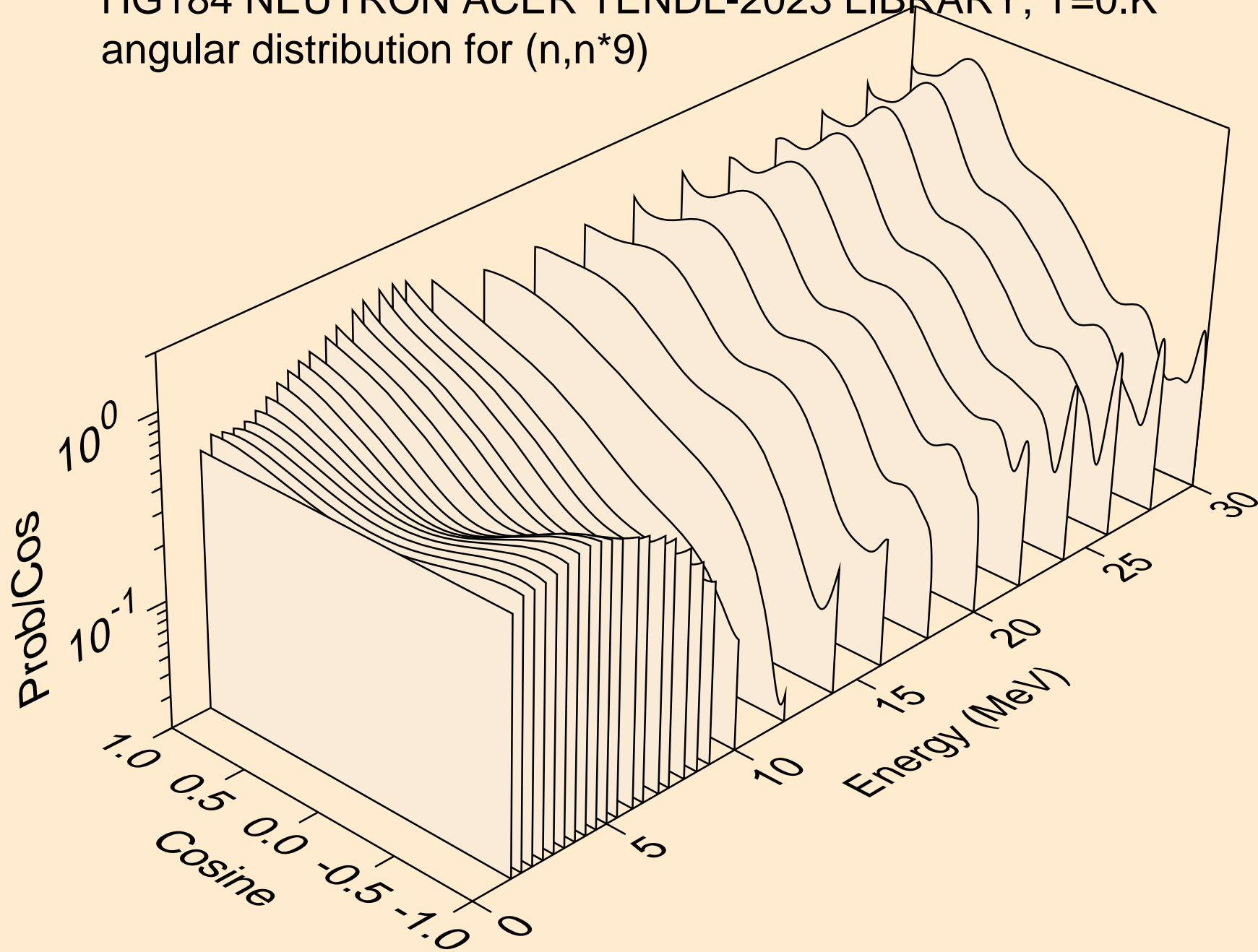
HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*7)



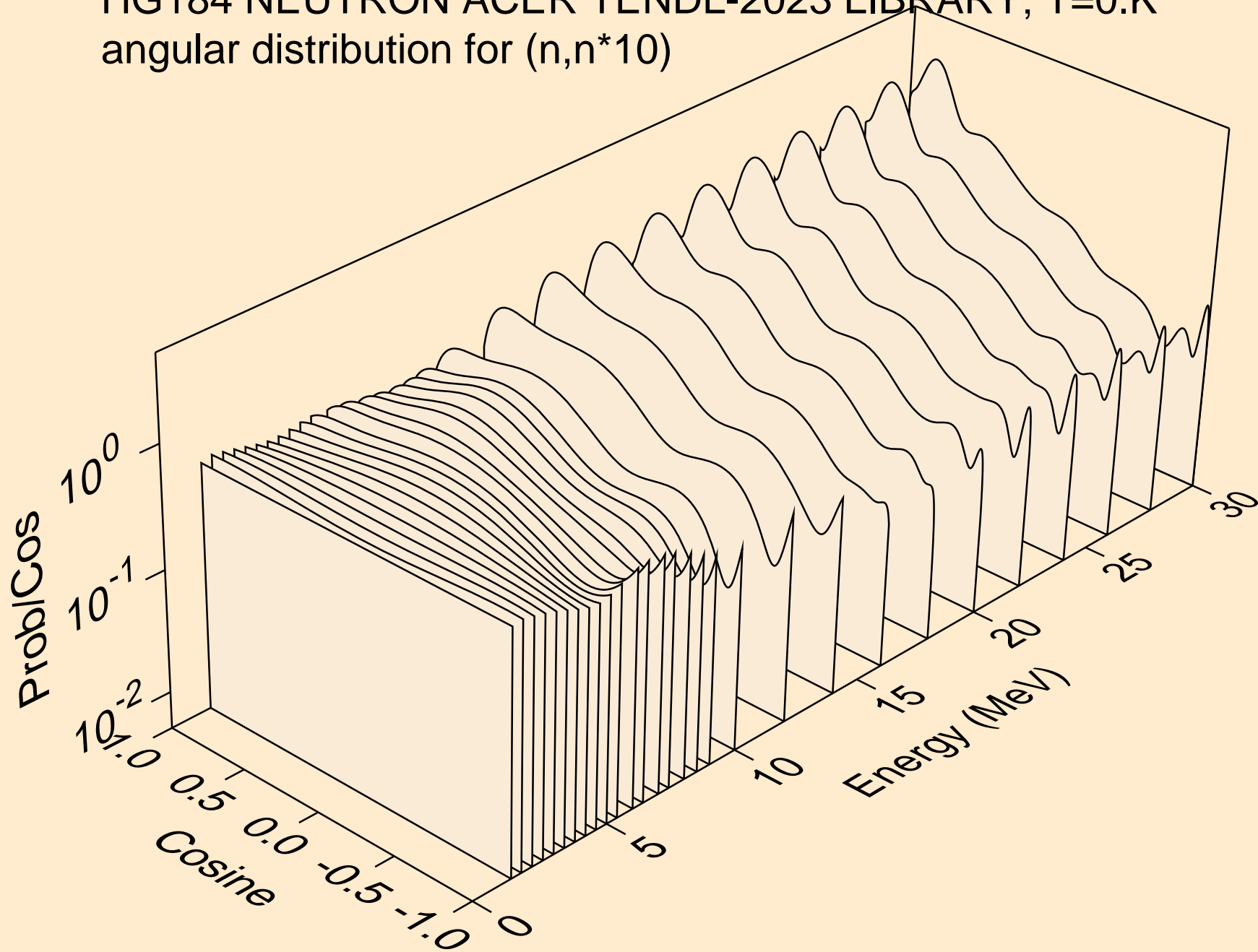
HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*8)



HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*9)

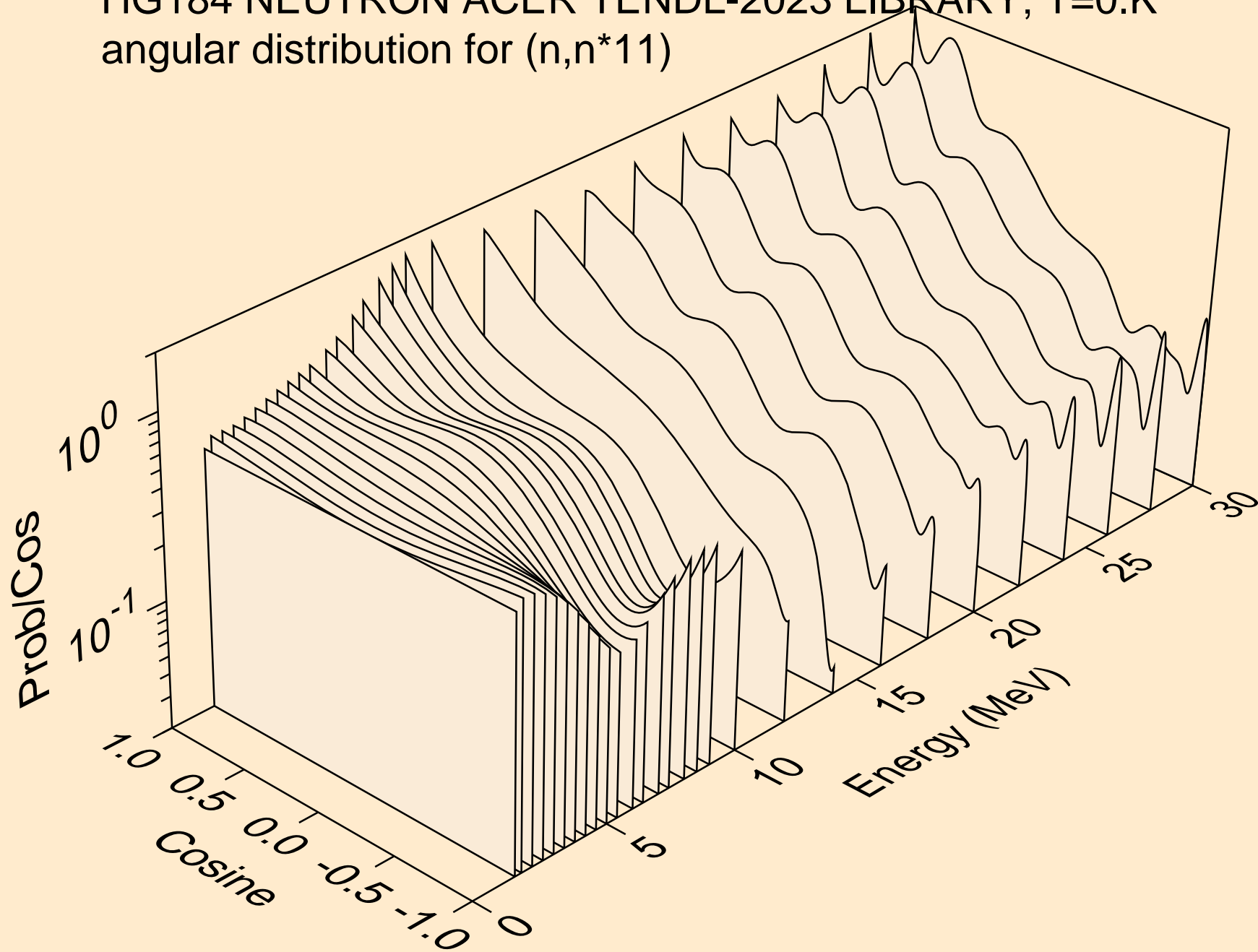


HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*10)

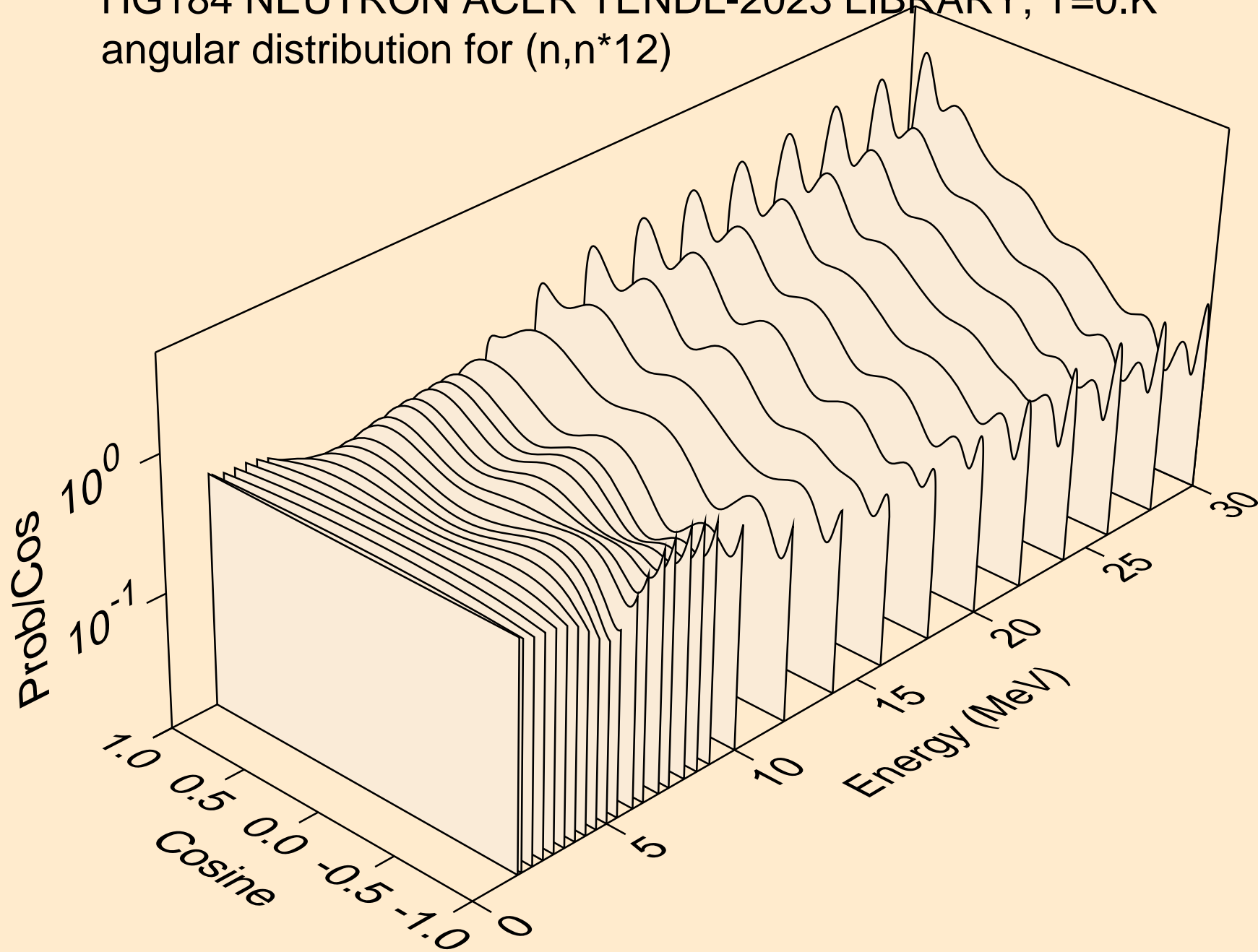




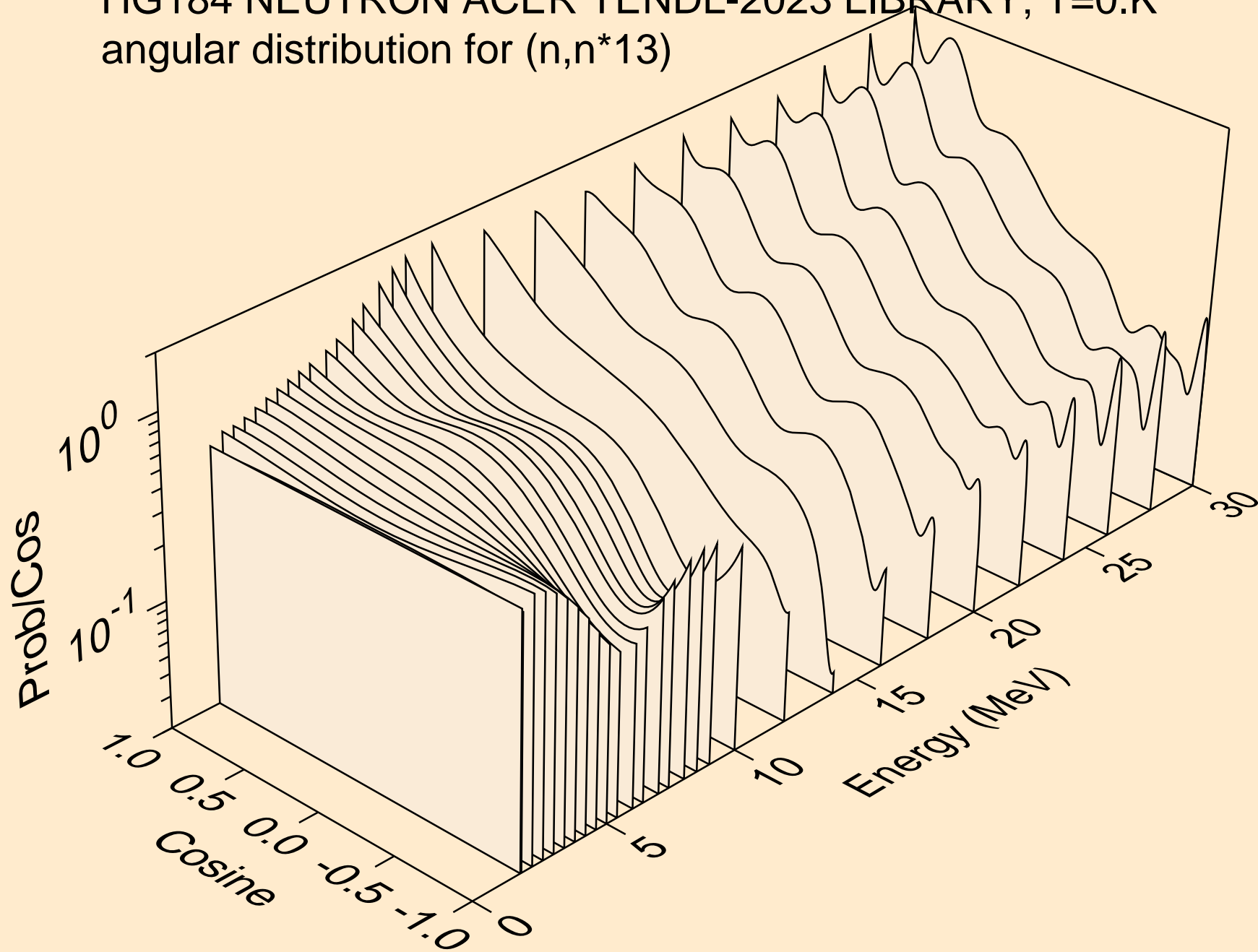
HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*11)



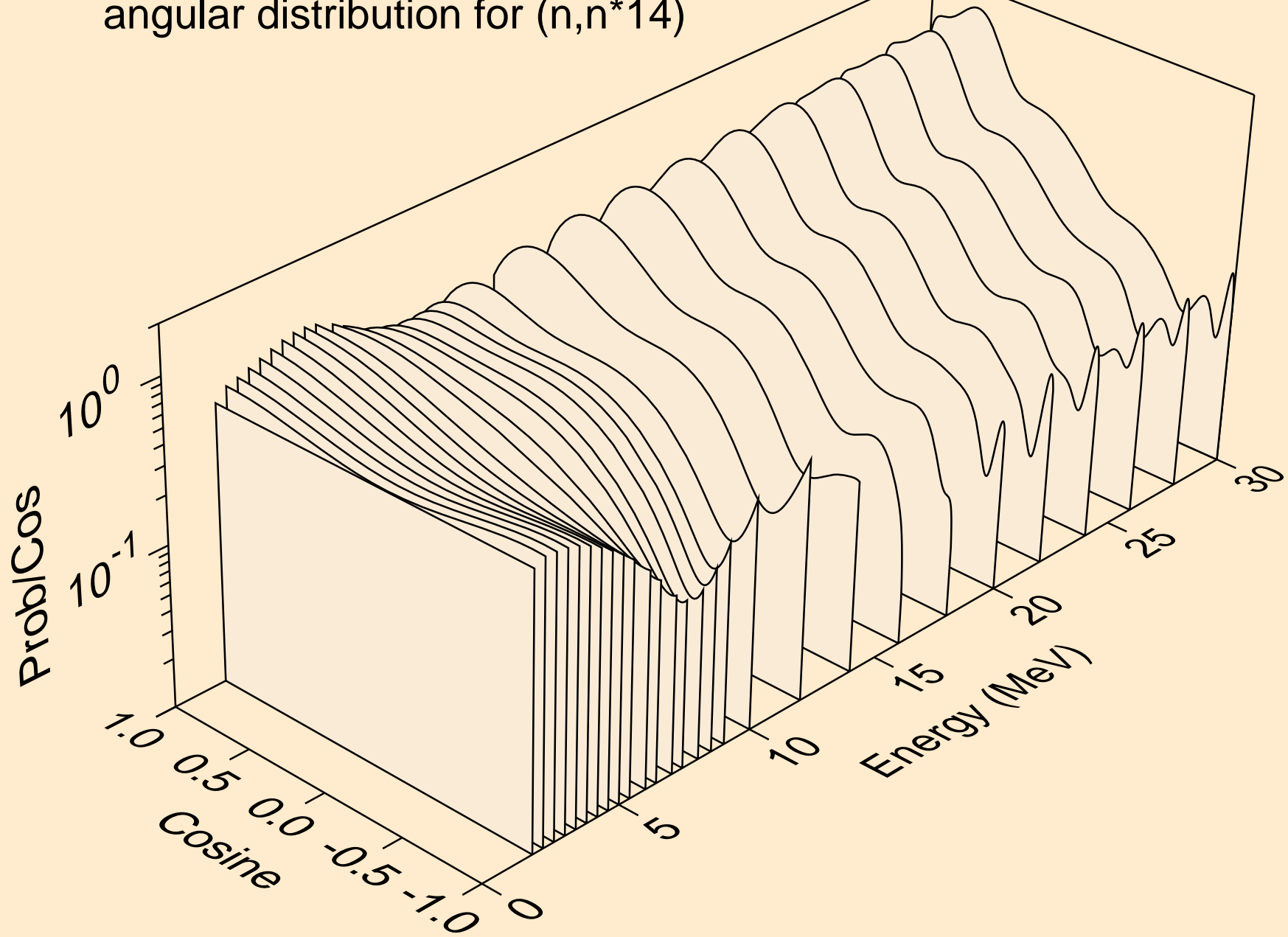
HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*12)



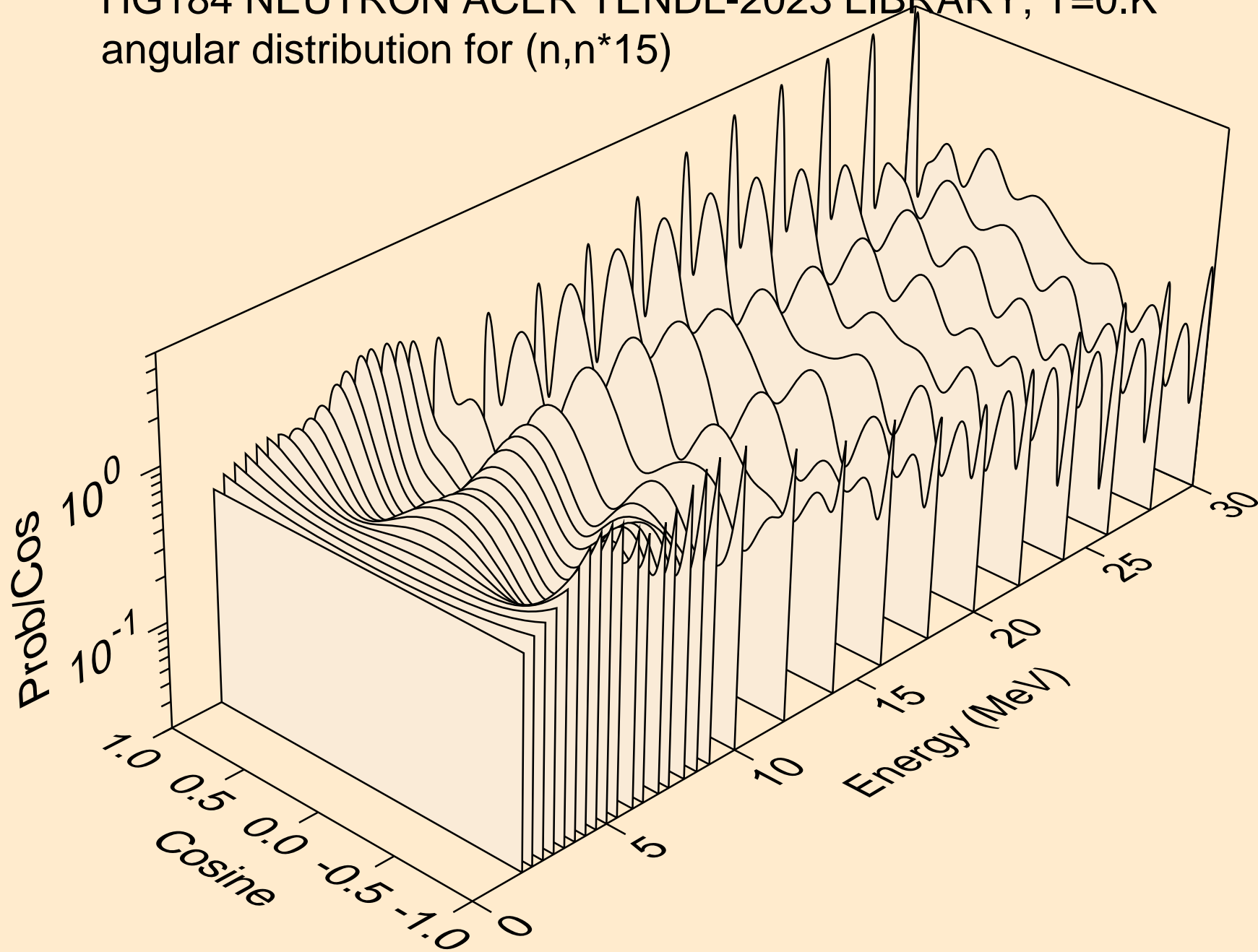
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angular distribution for (n,n\*13)



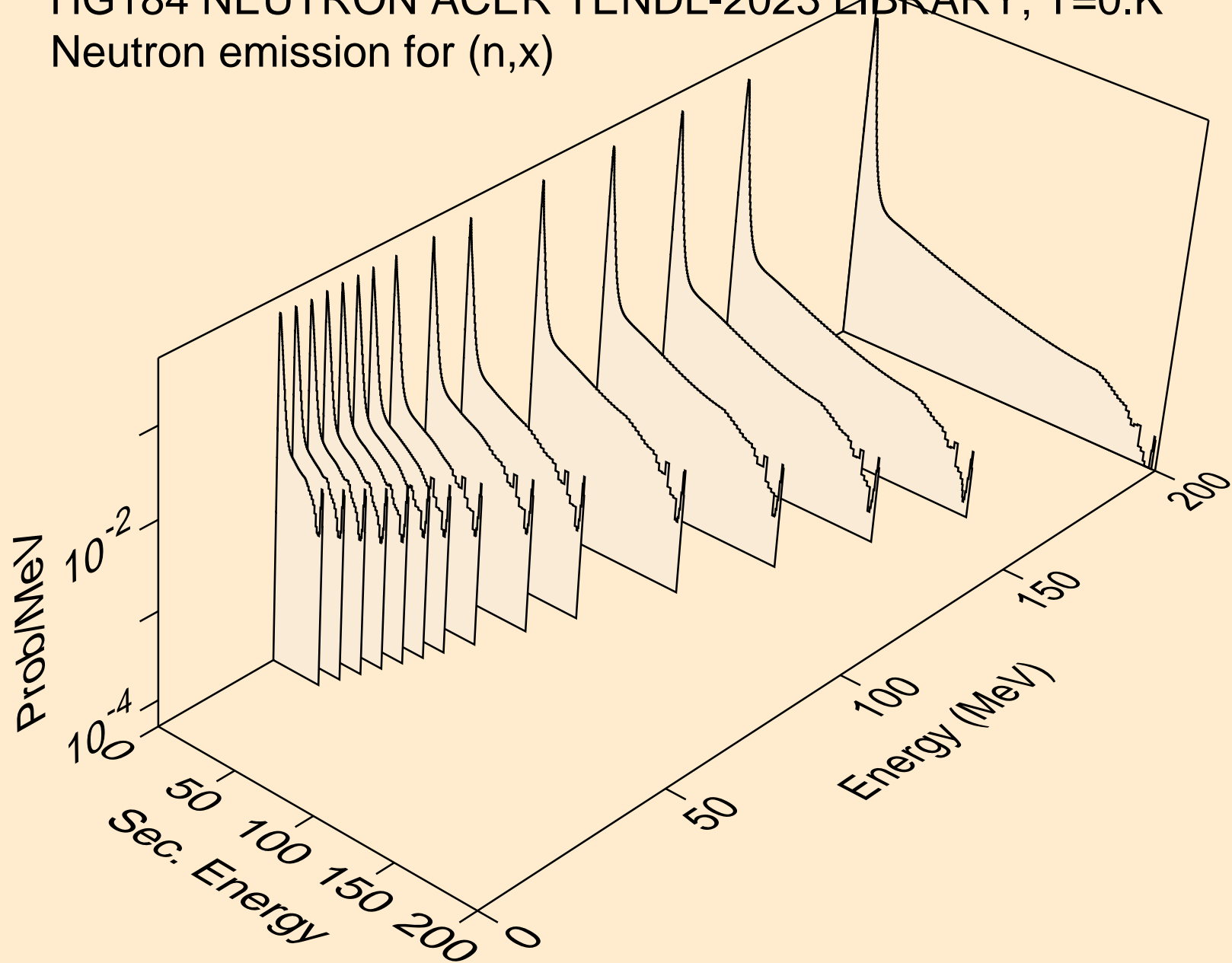
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angular distribution for (n,n\*14)



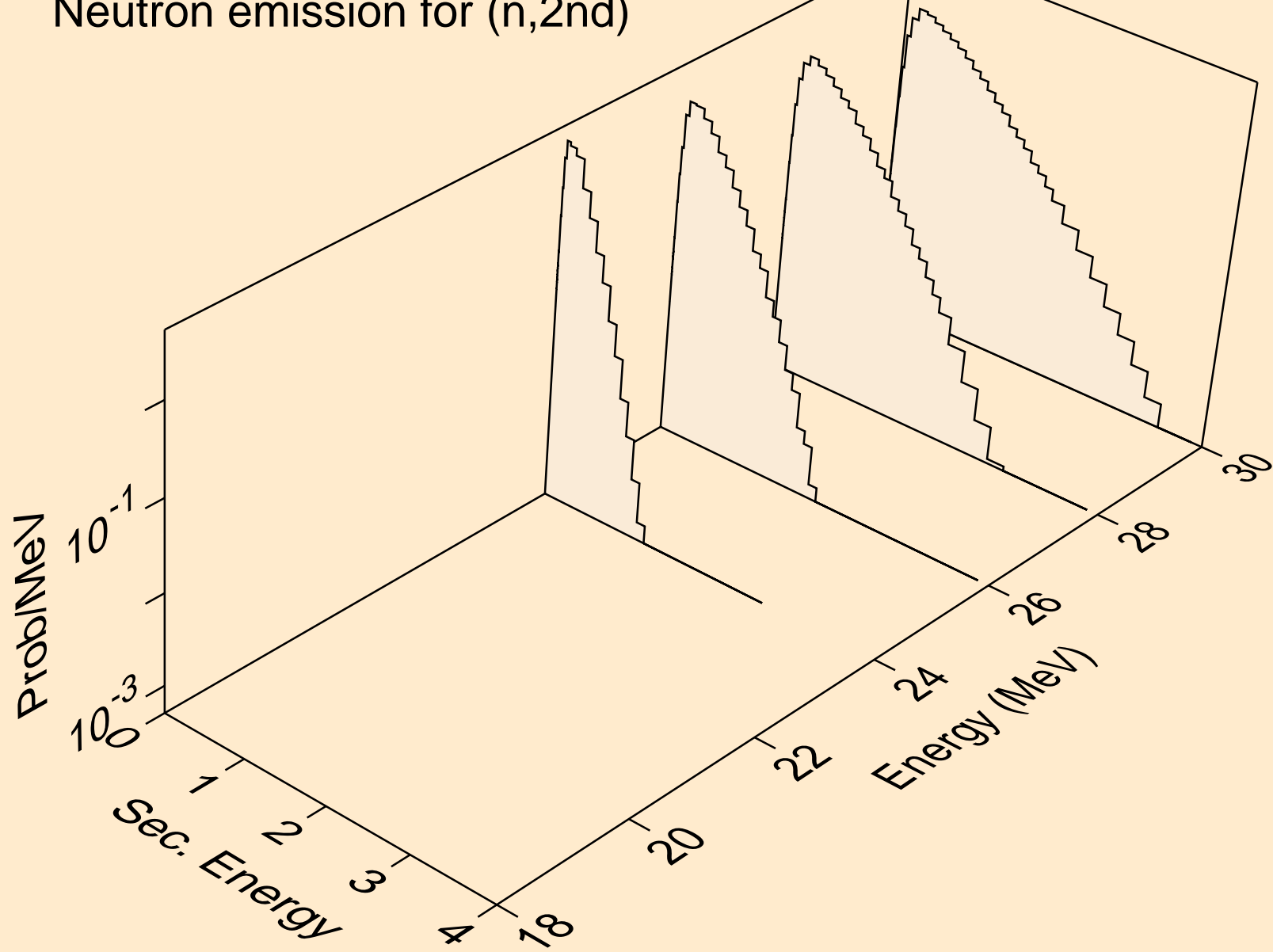
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angular distribution for (n,n\*15)



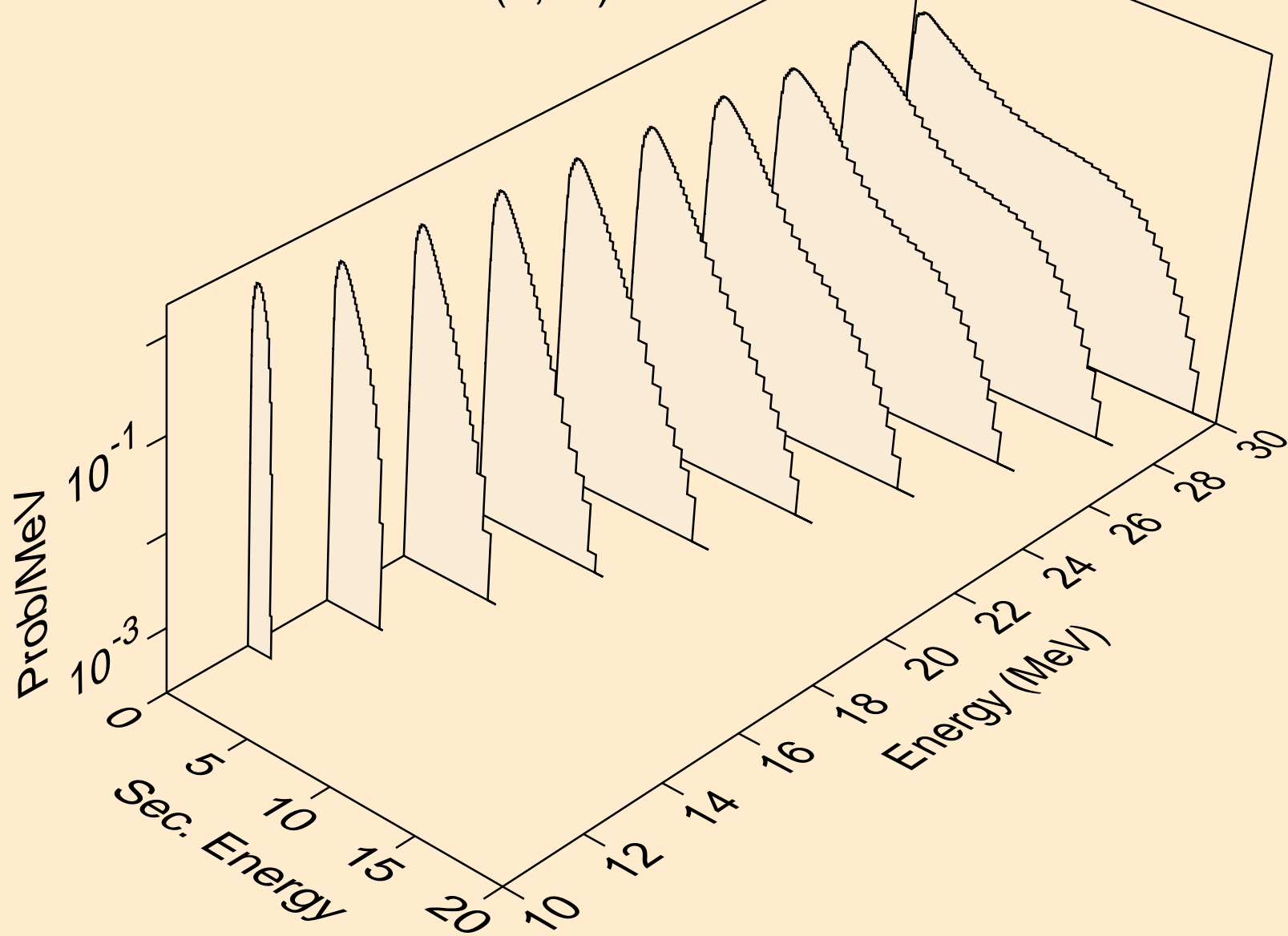
HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,x)



HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2nd)

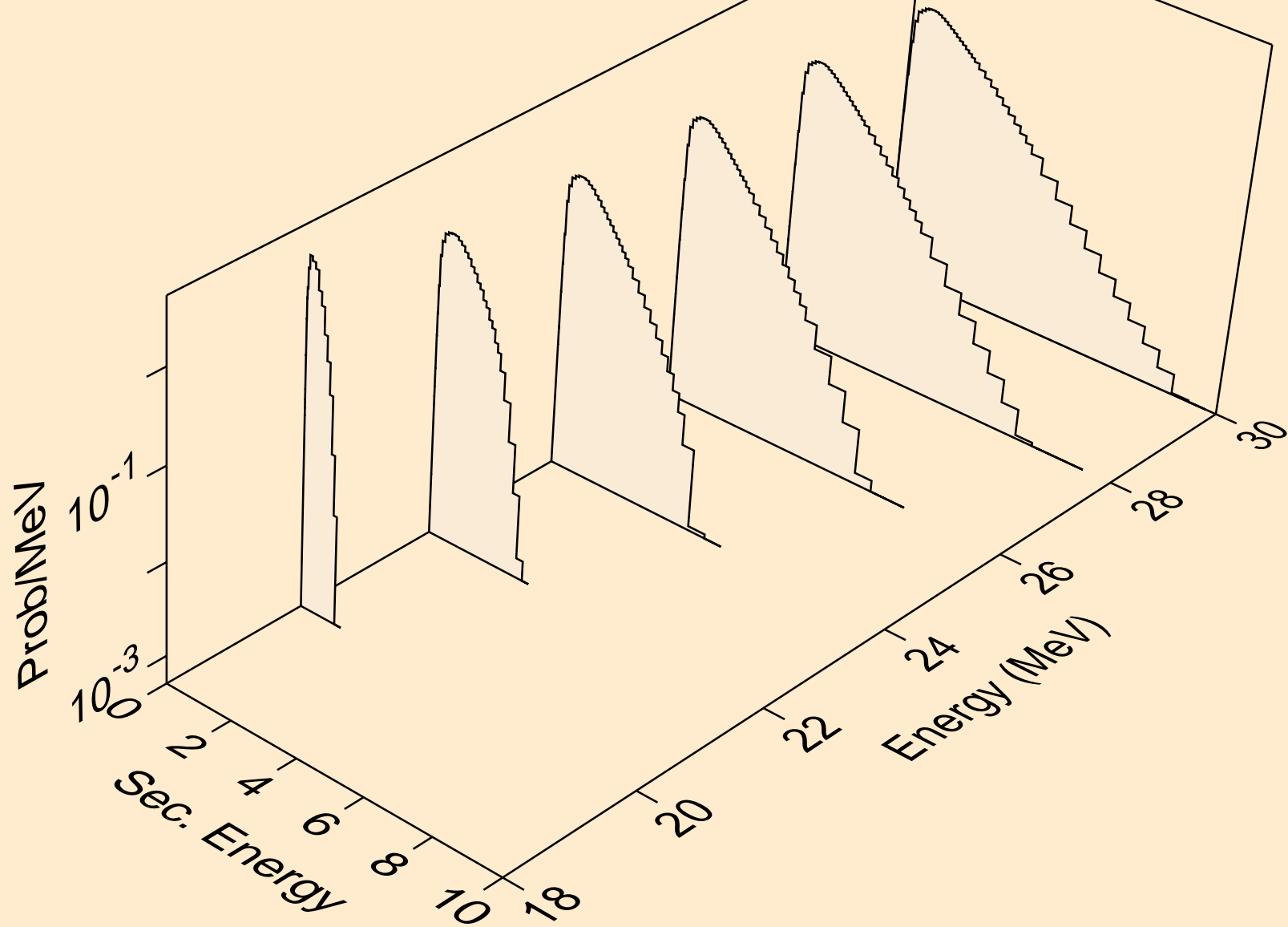


HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)

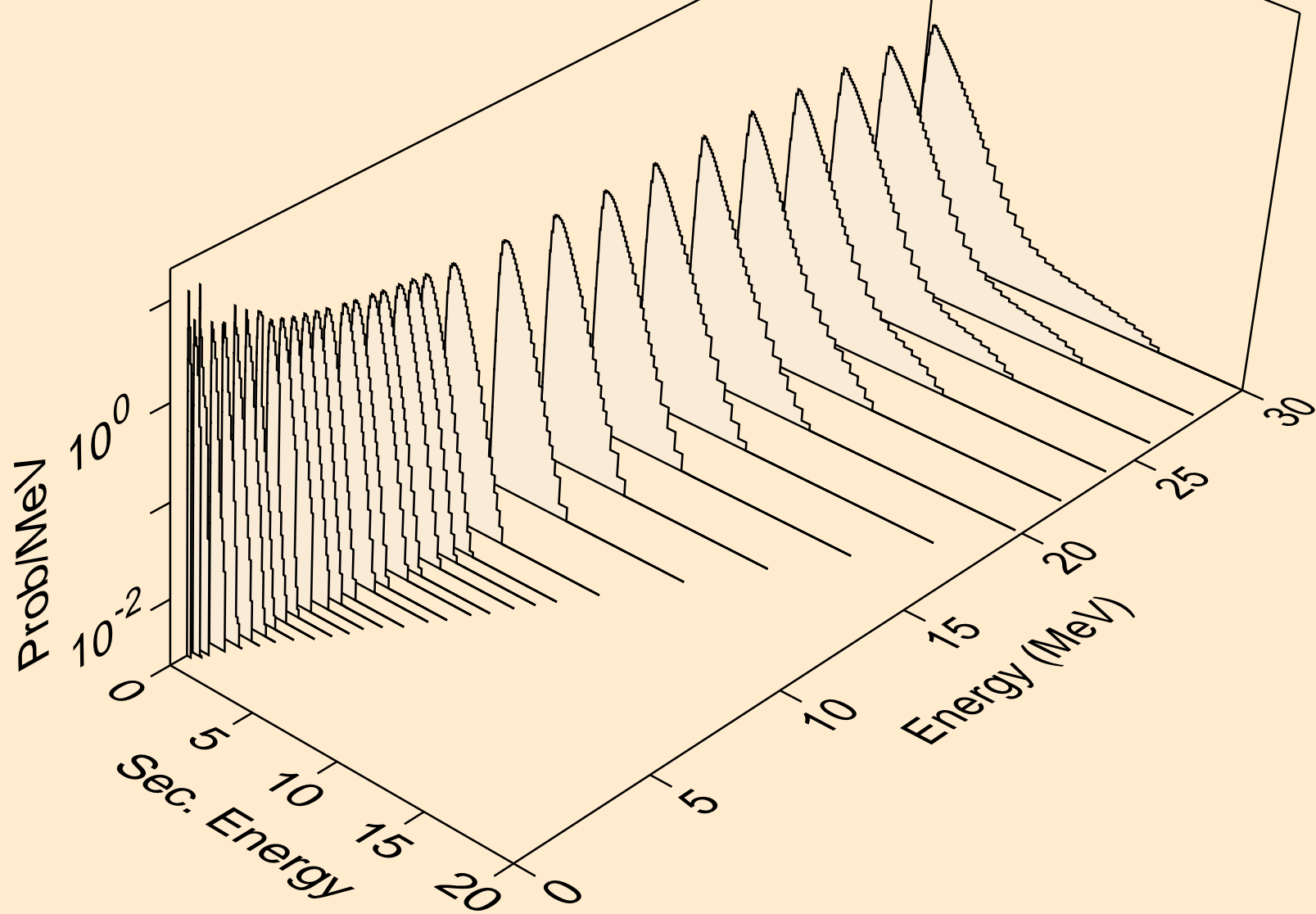




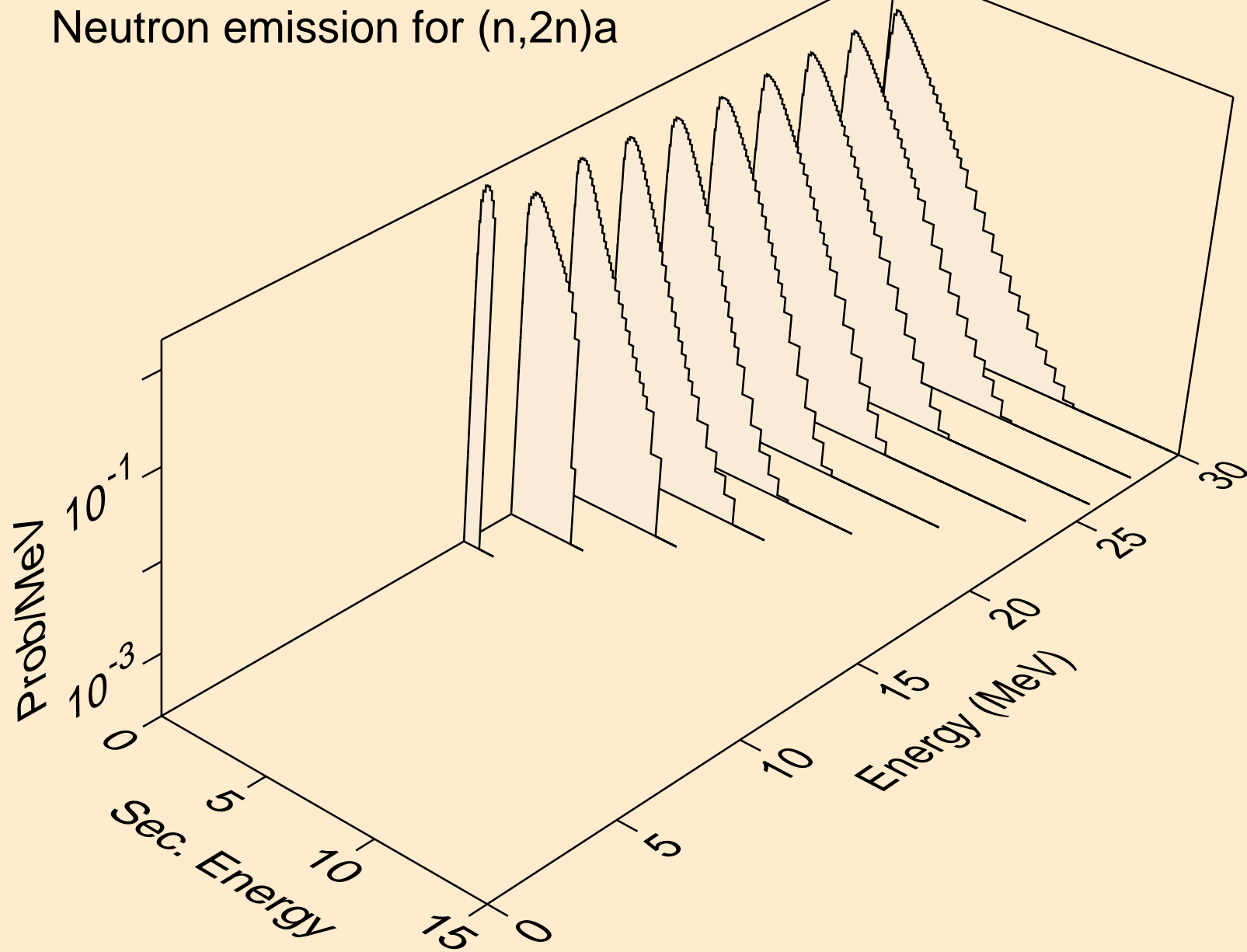
HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)



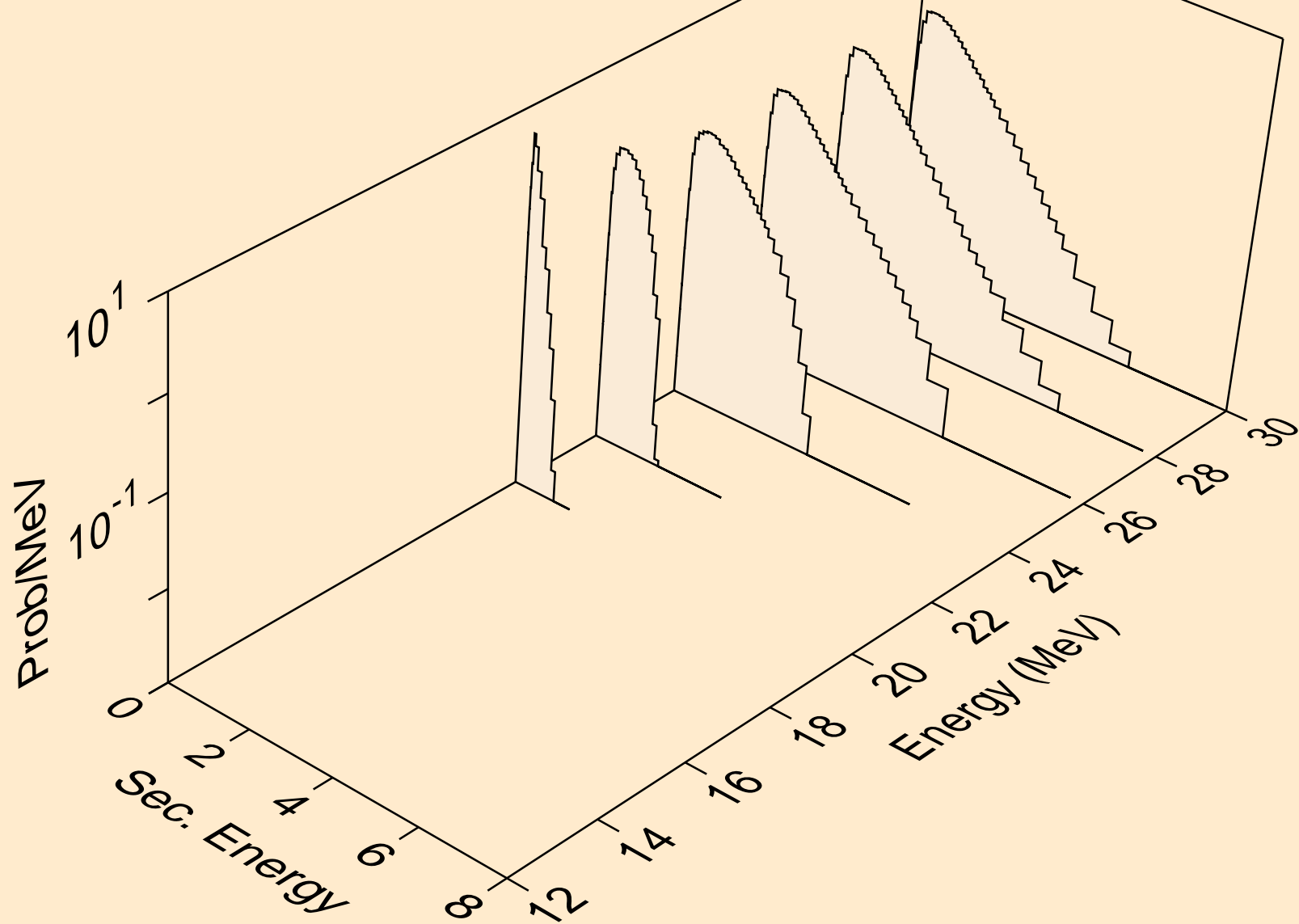
HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



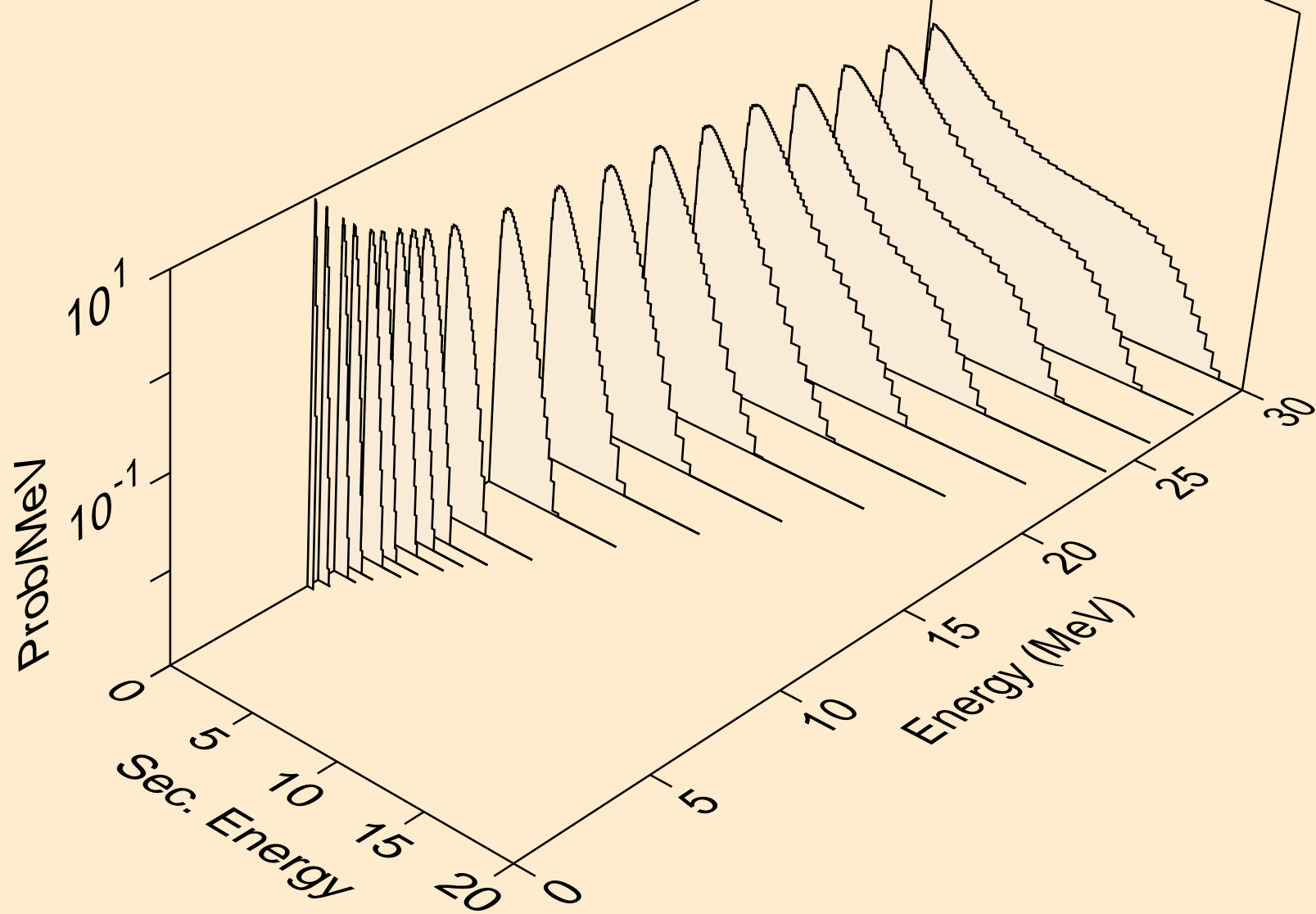
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Neutron emission for (n,2n)a



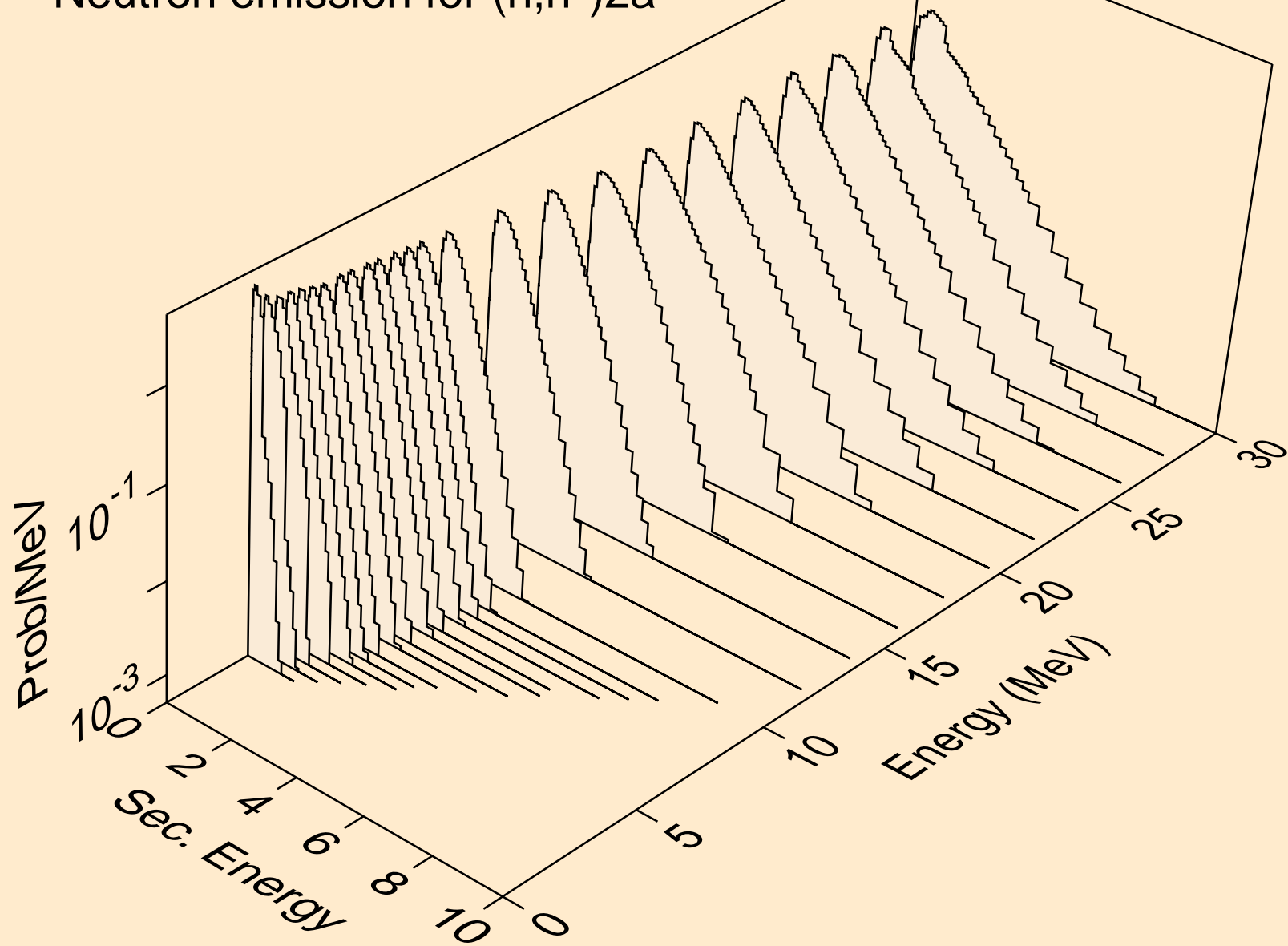
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Neutron emission for (n,3n)a



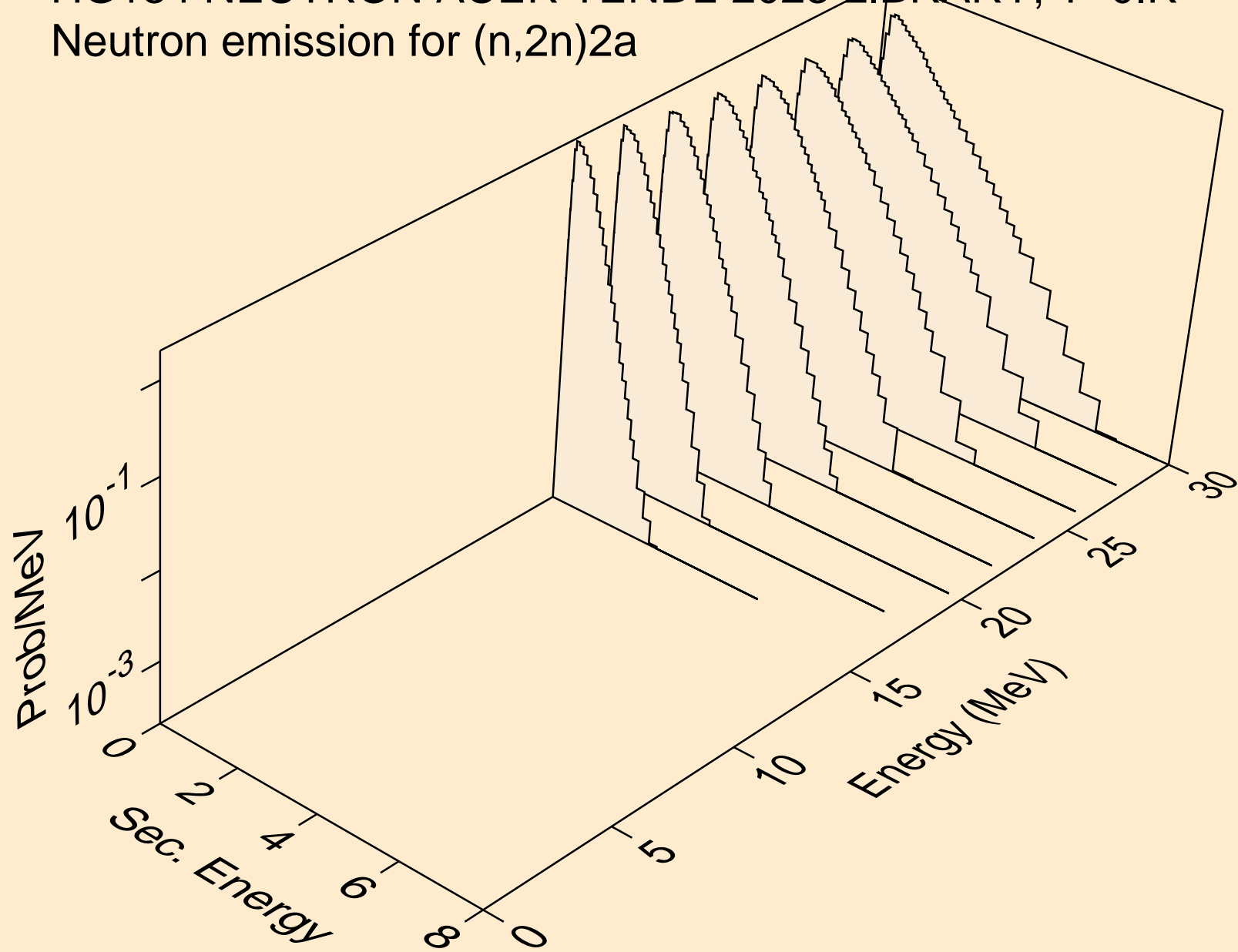
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Neutron emission for (n,n\*)p



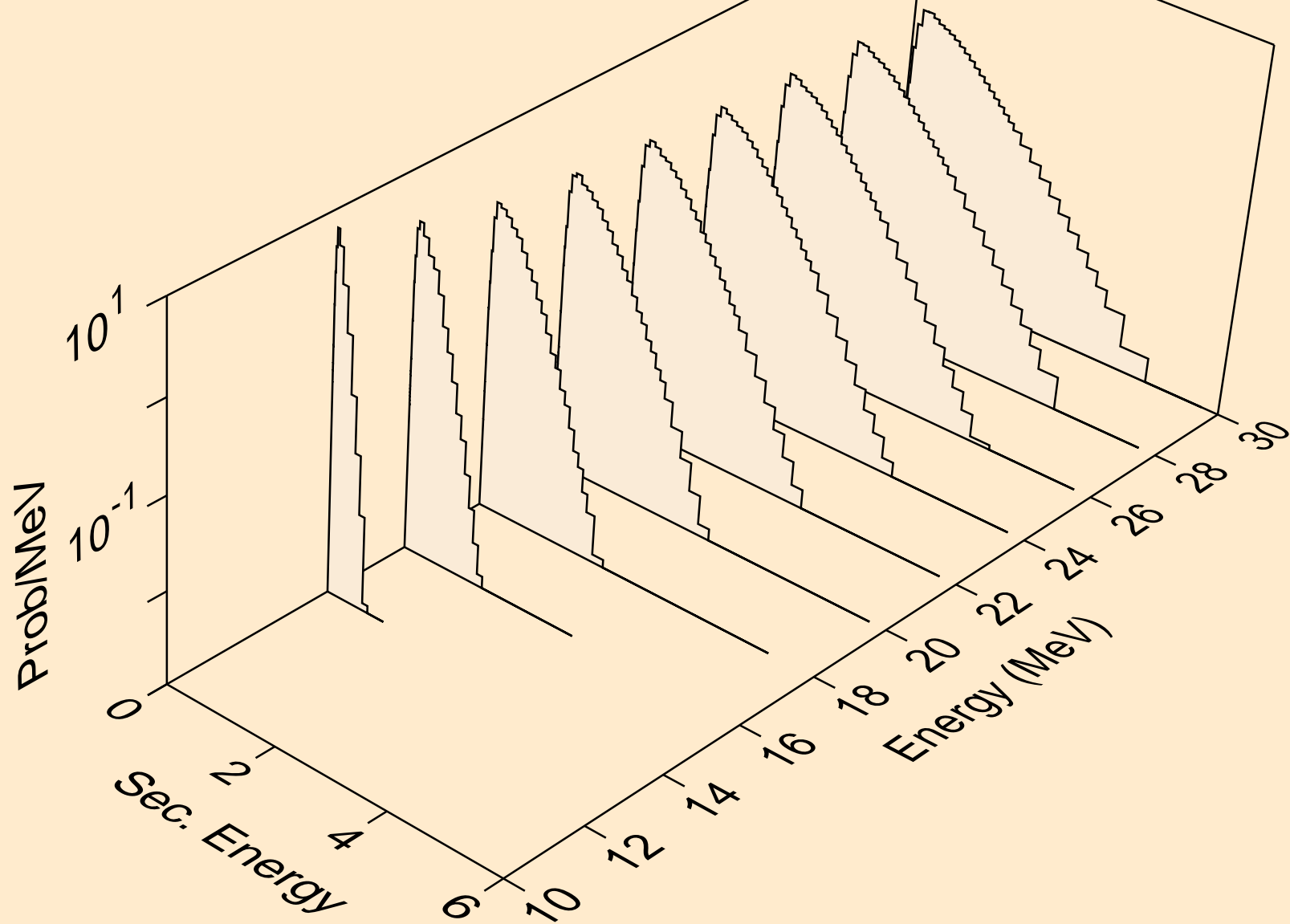
HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)2a



HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)2a

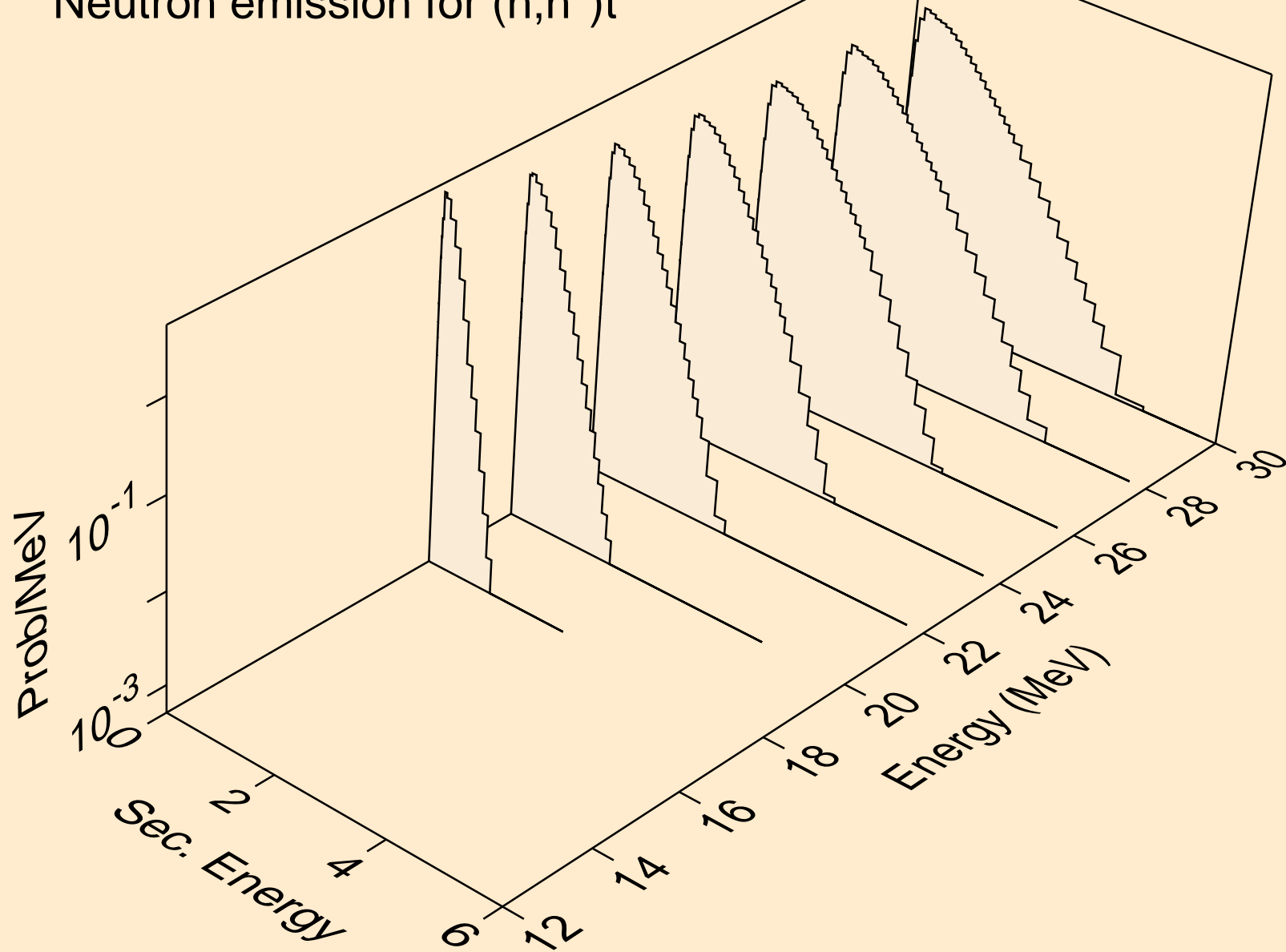


HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d

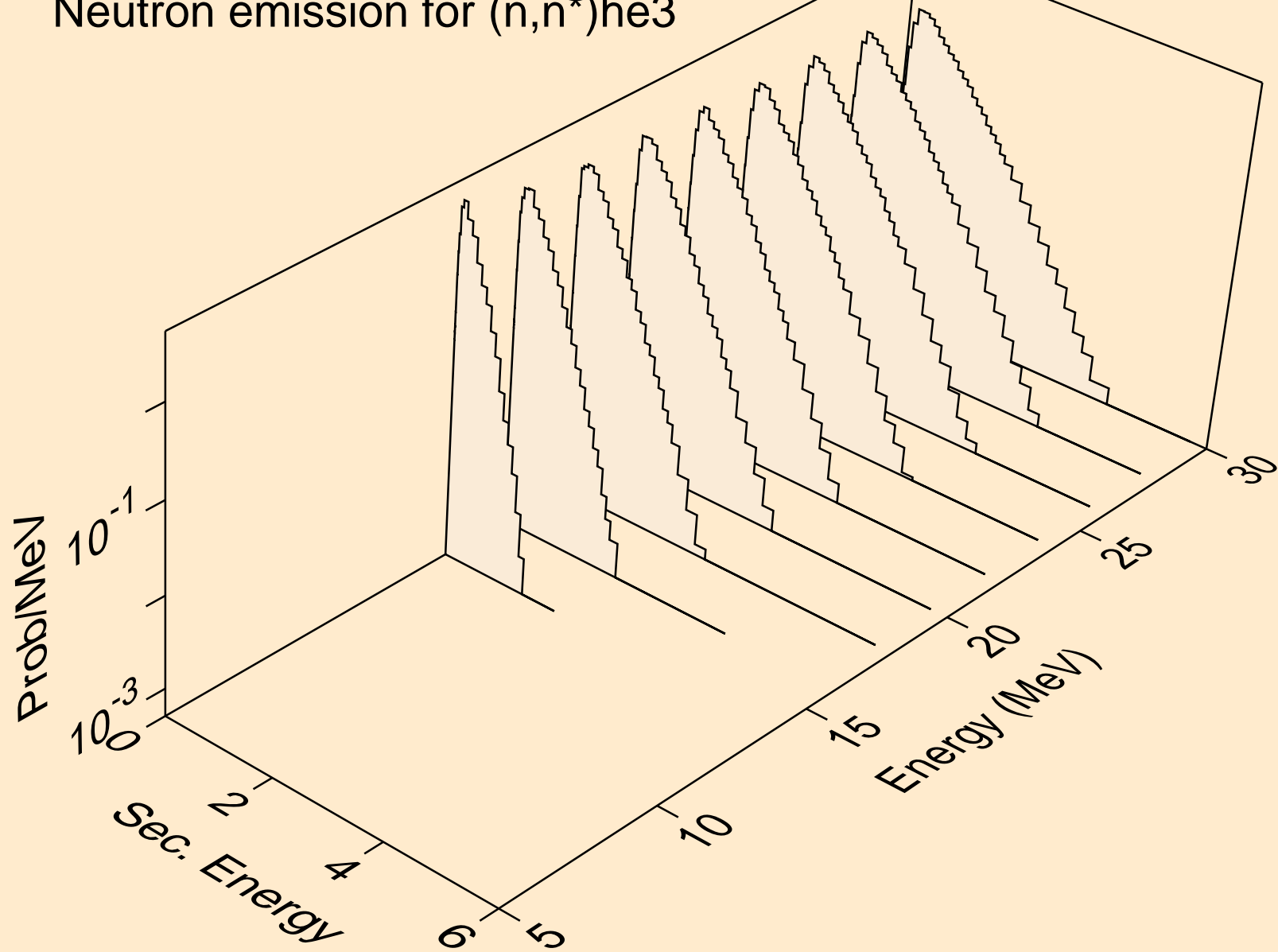




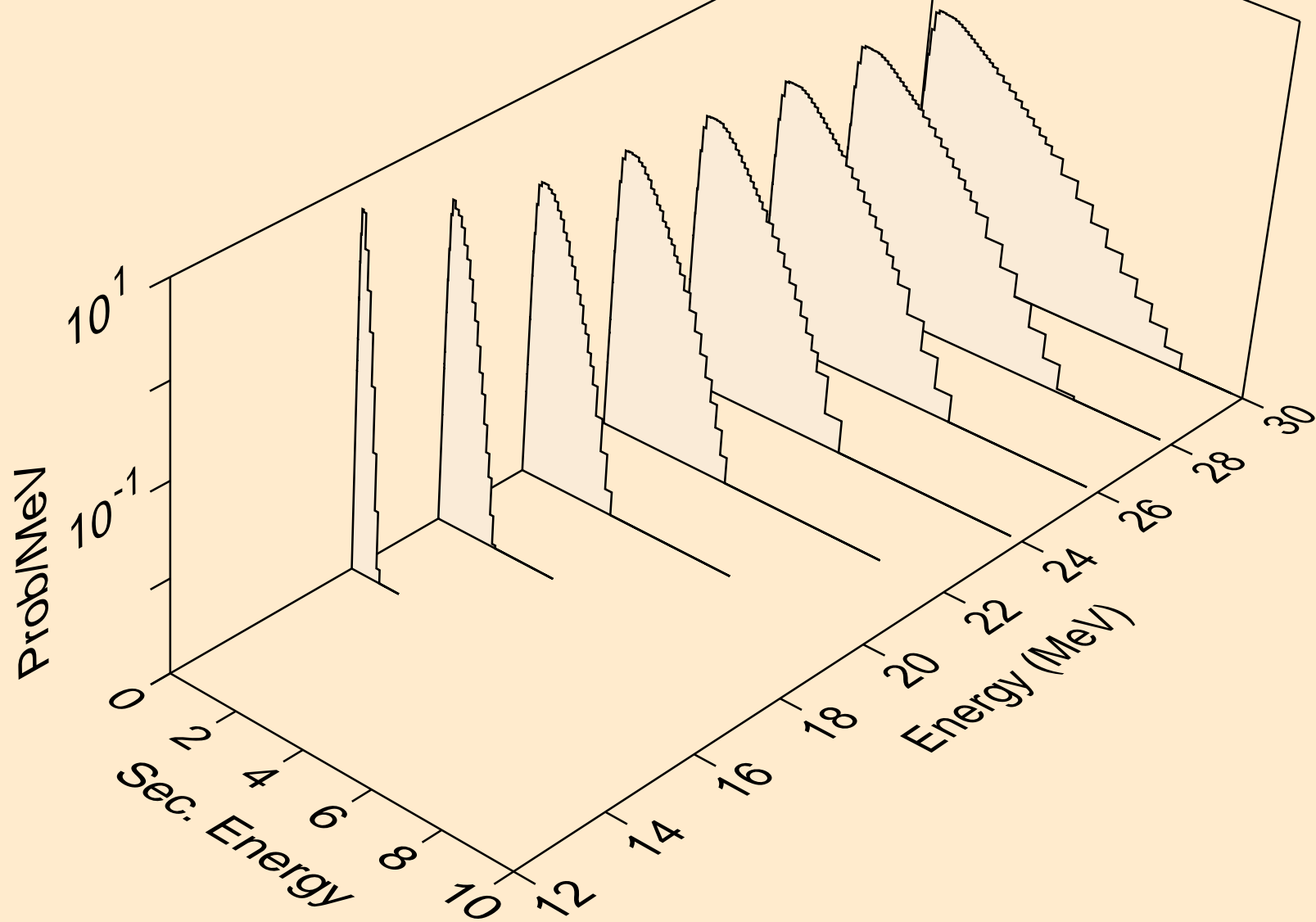
HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



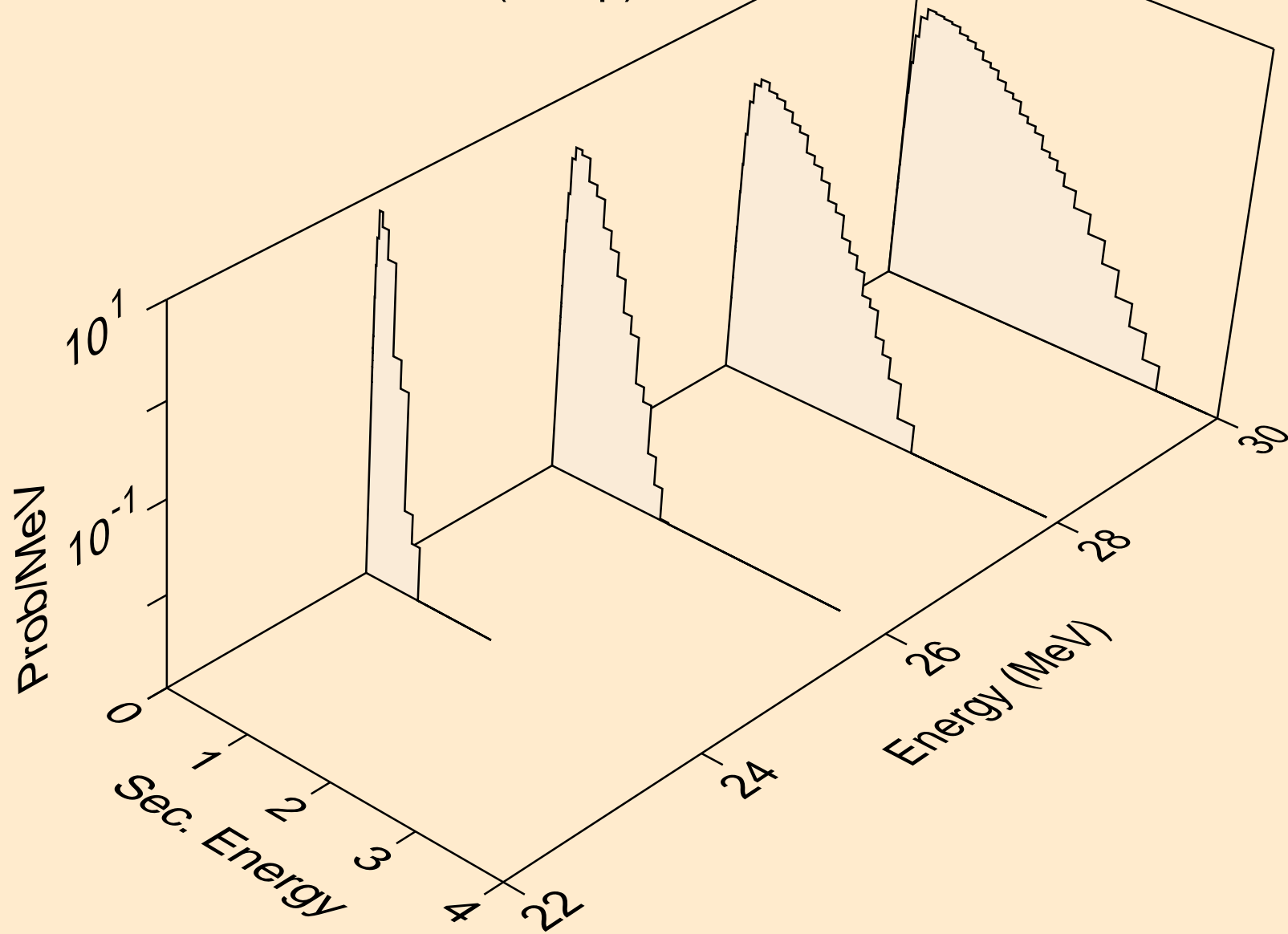
HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



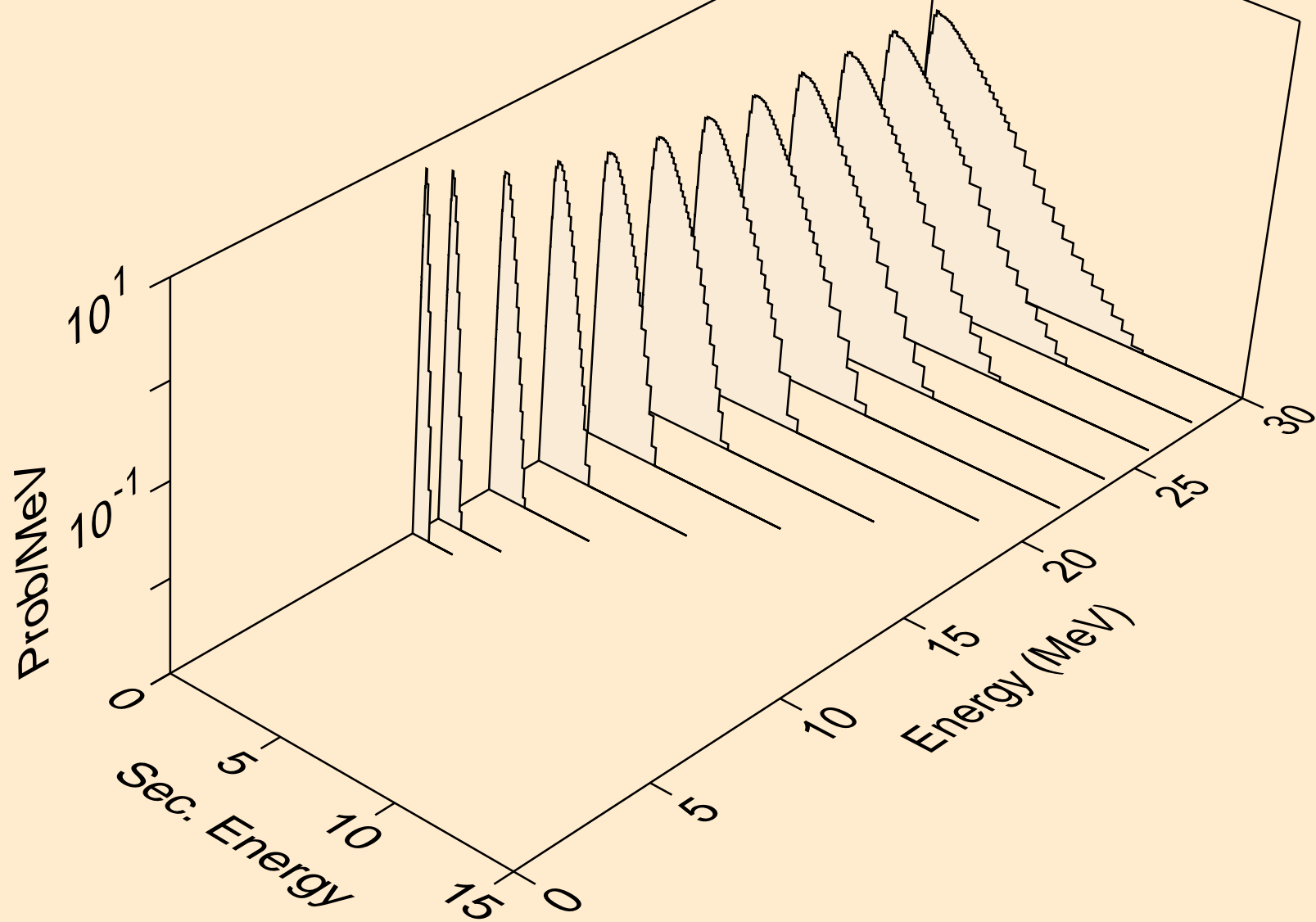
HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2np)



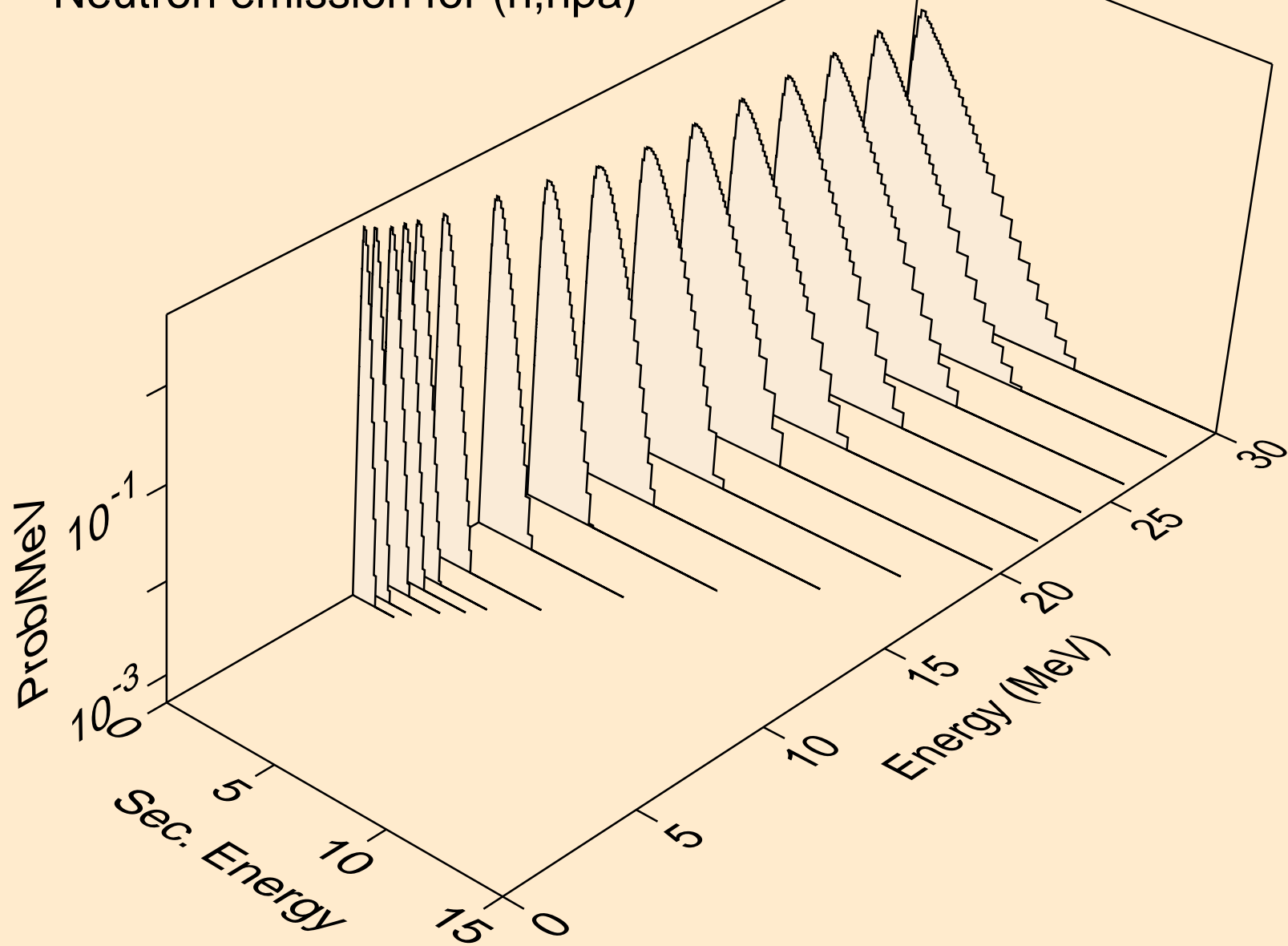
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Neutron emission for (n,3np)



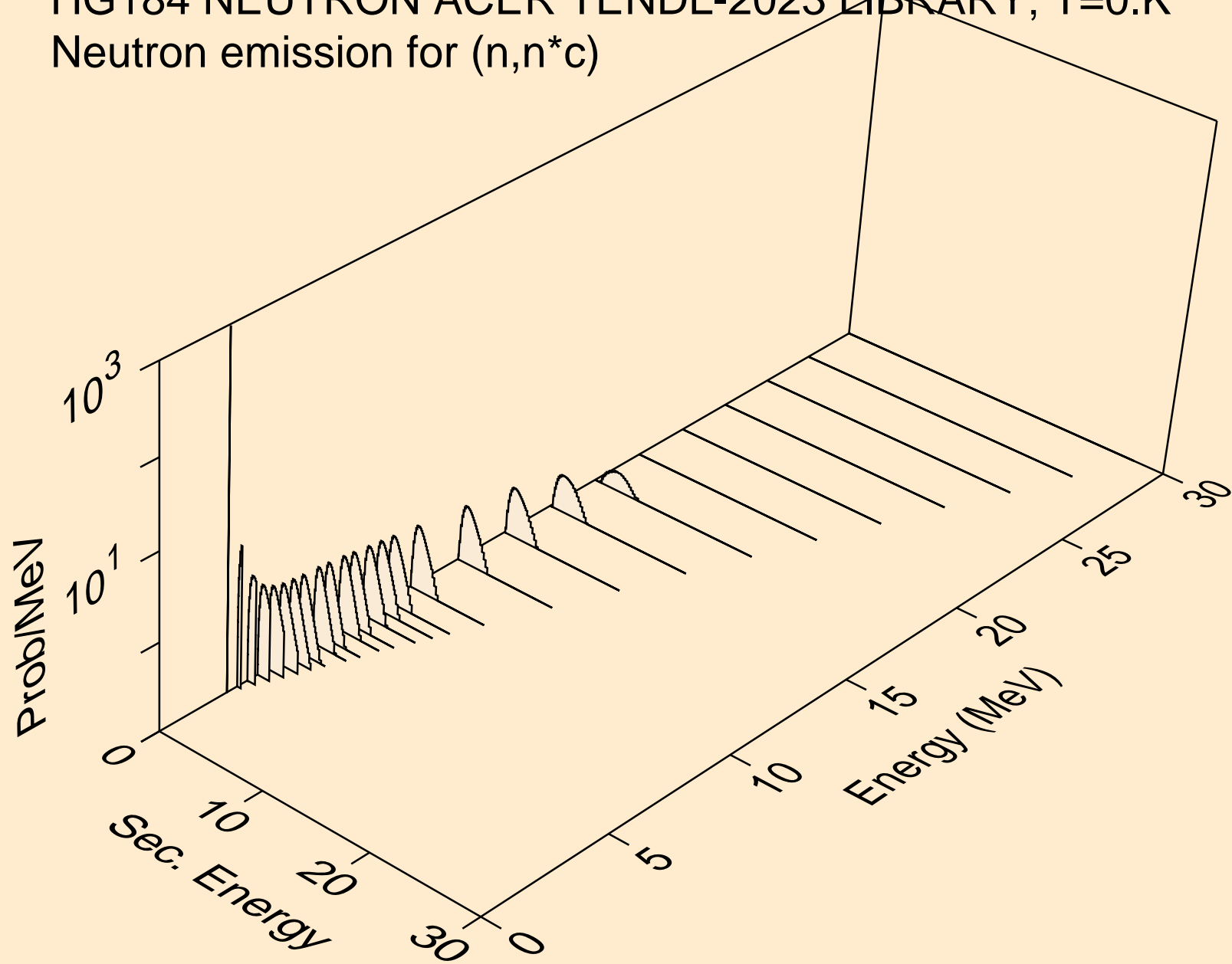
HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n2p)



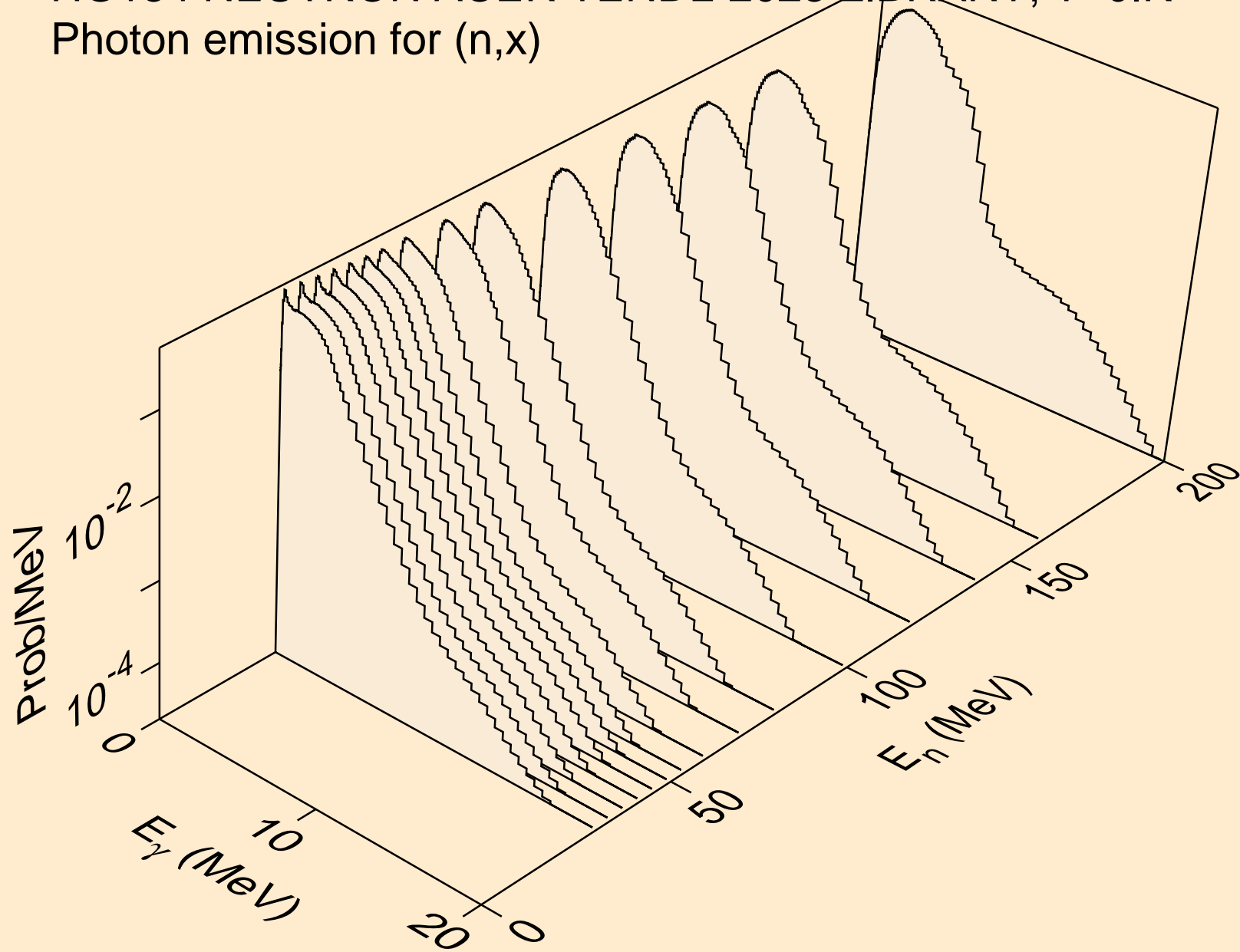
HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,npa)



HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)

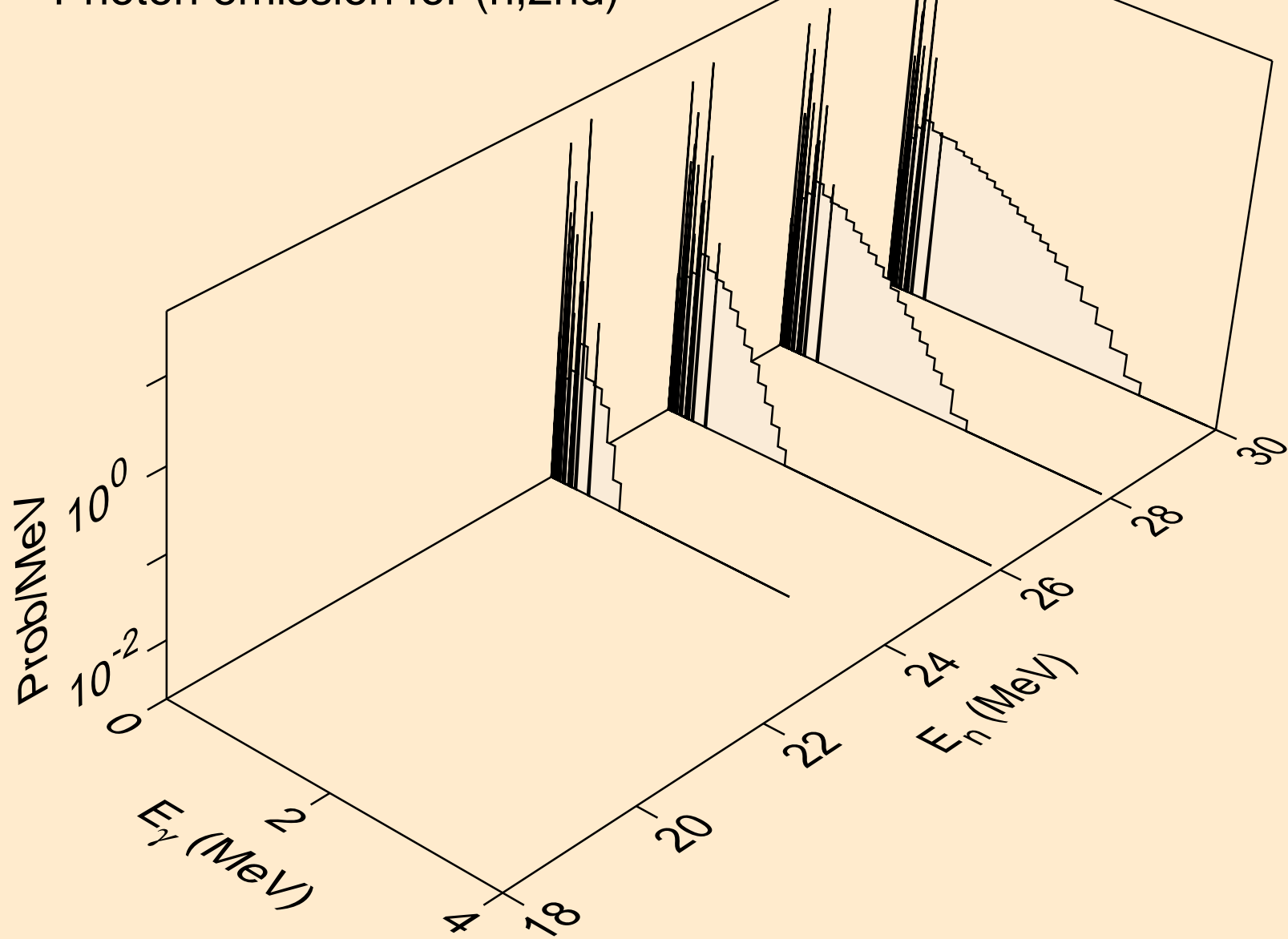


HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,x)

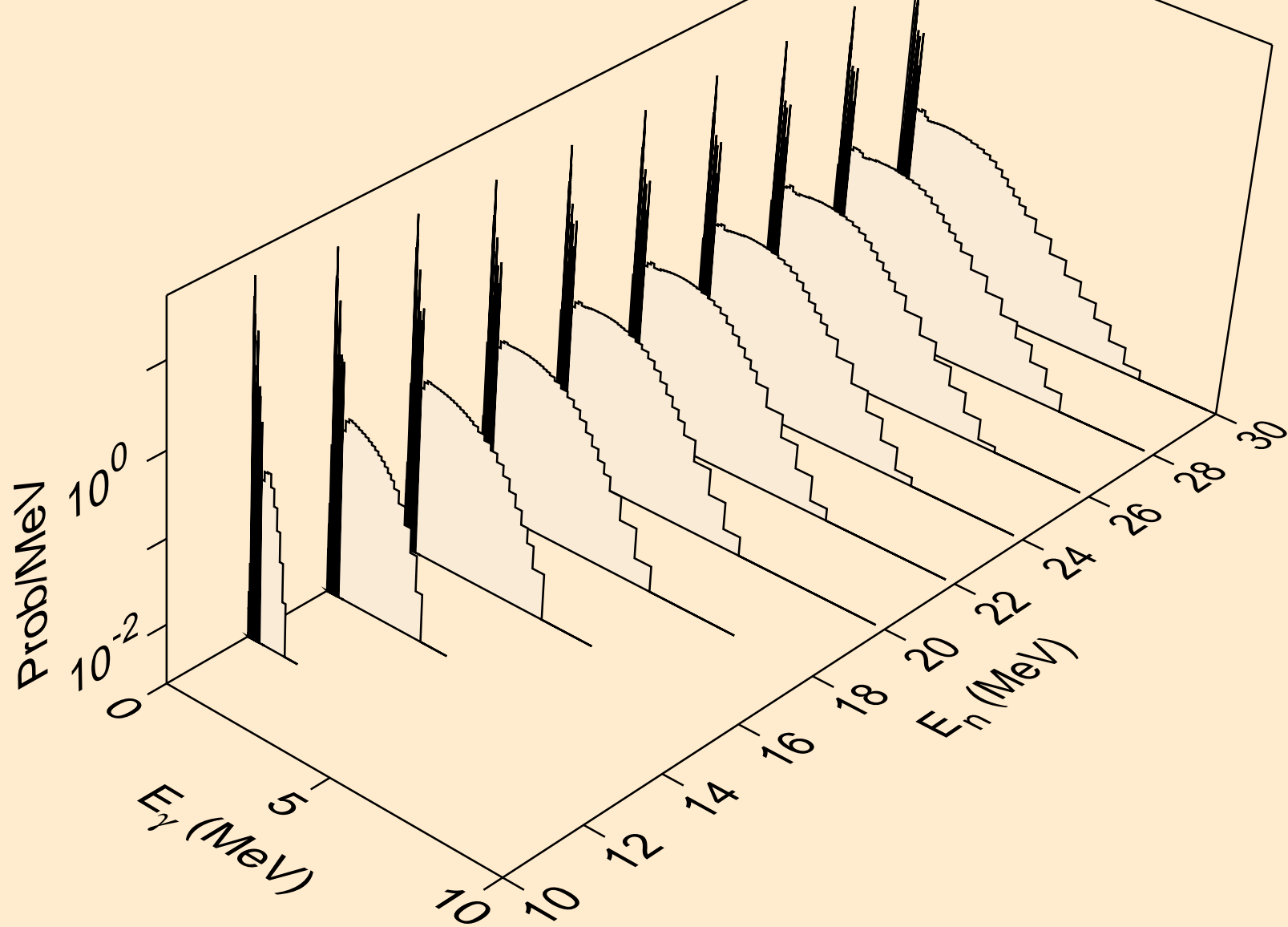




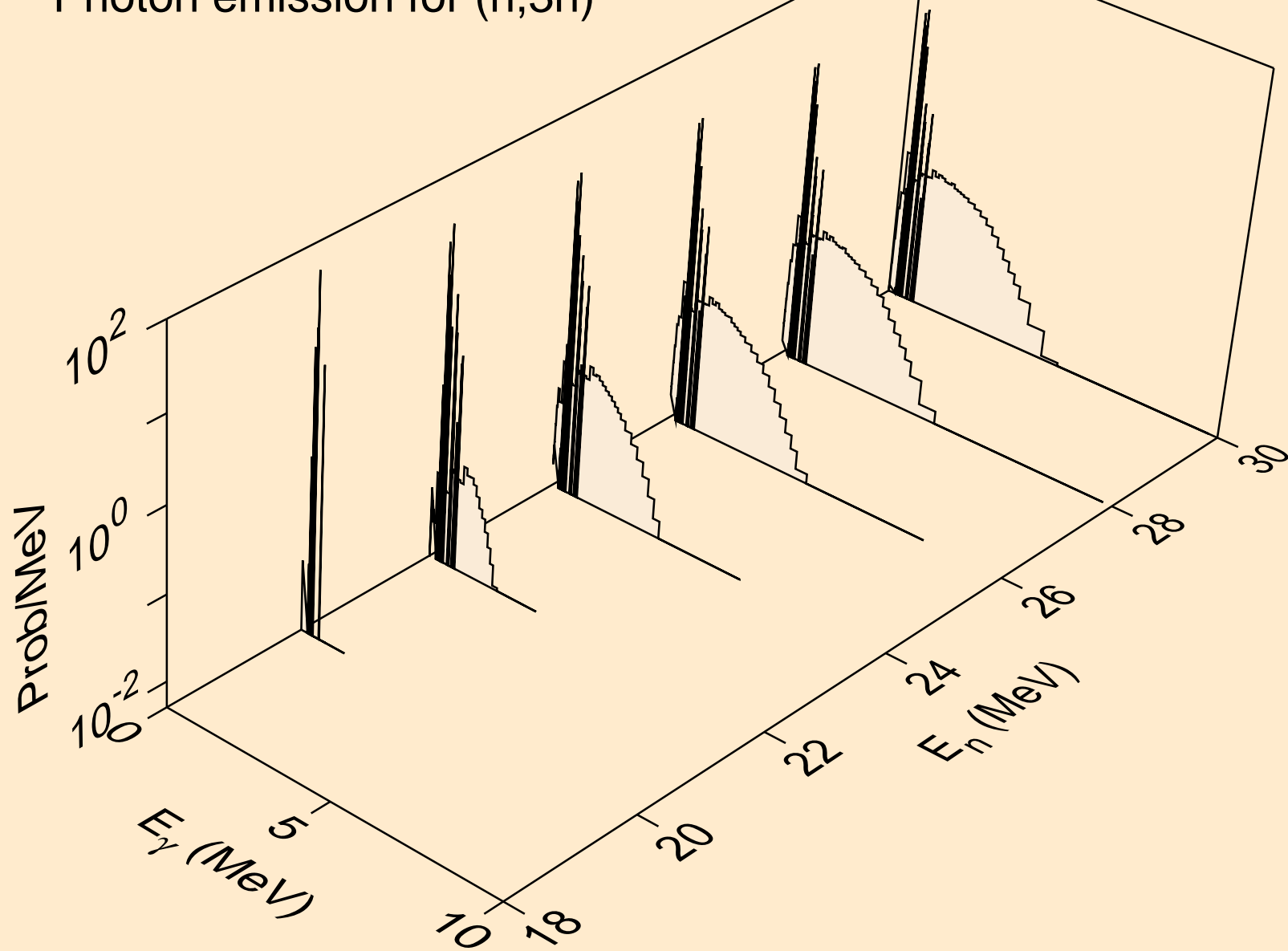
HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



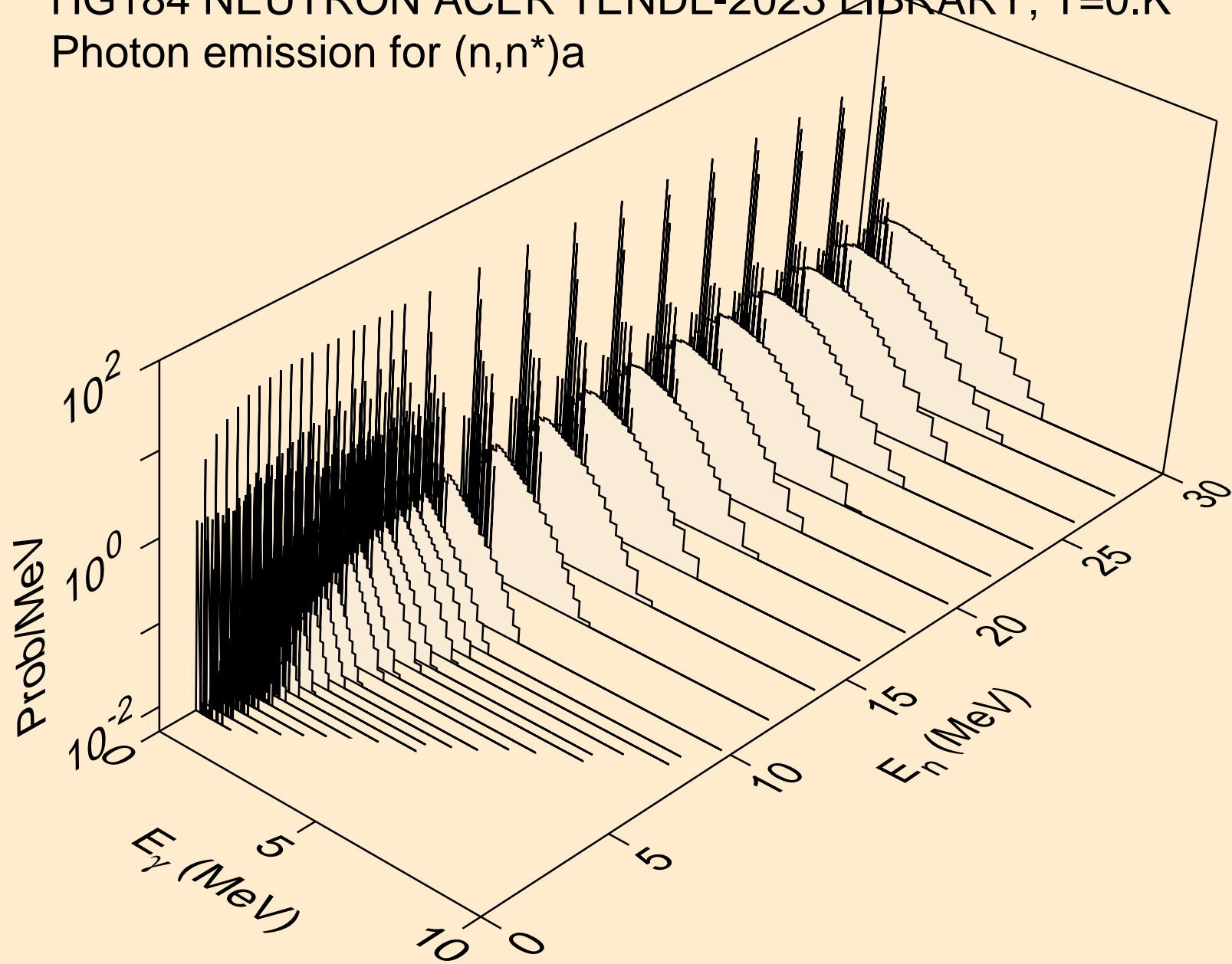
HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



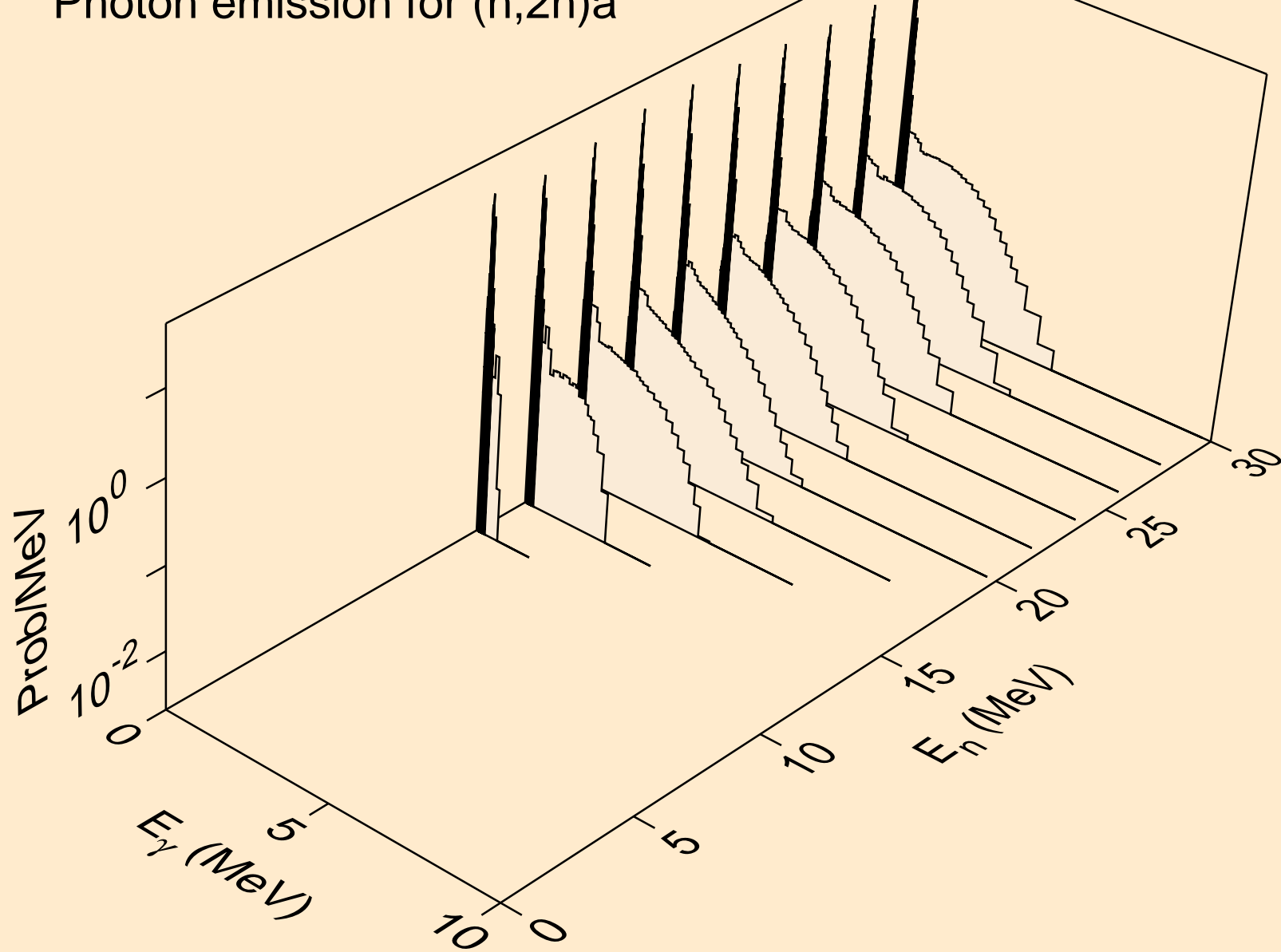
HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



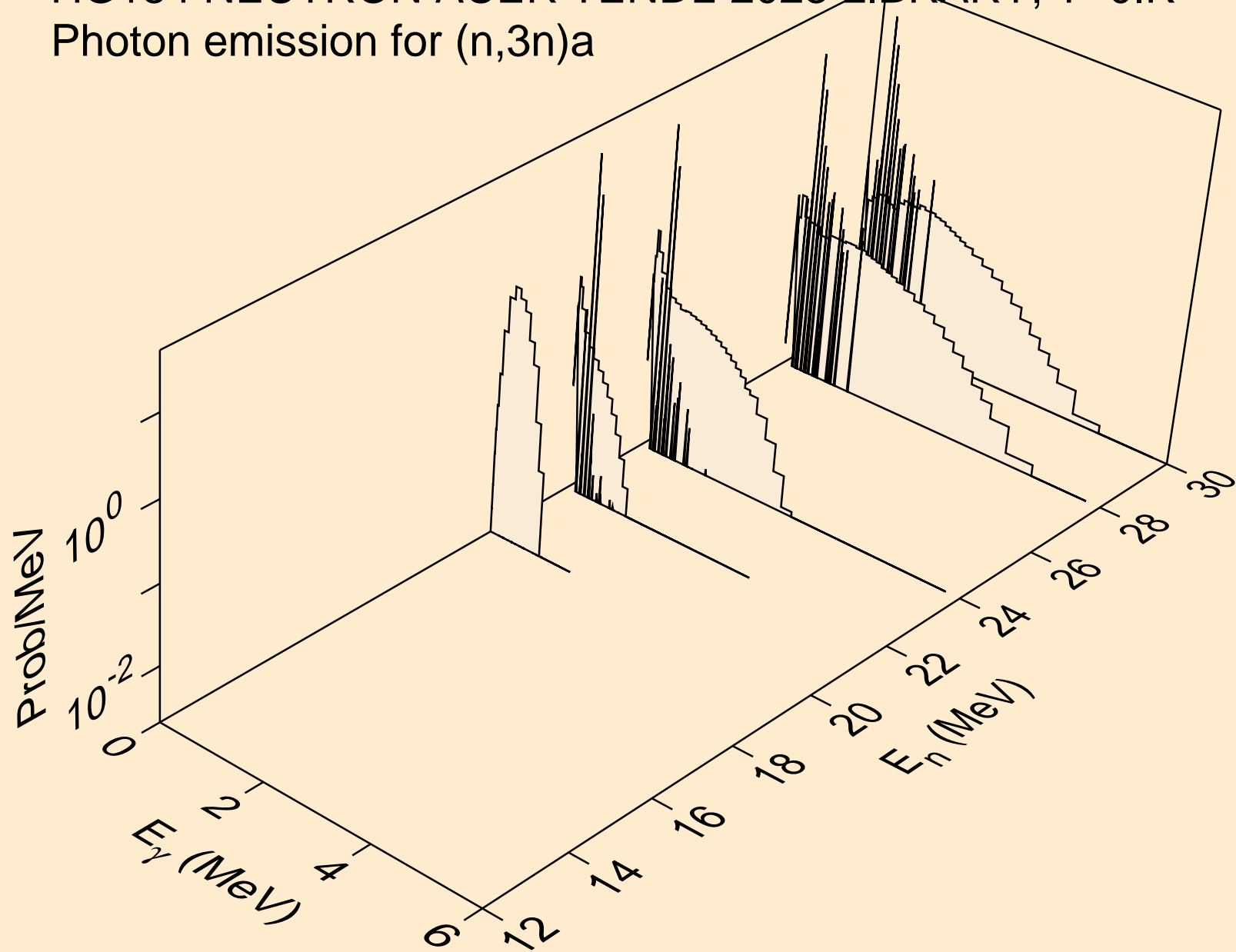
HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



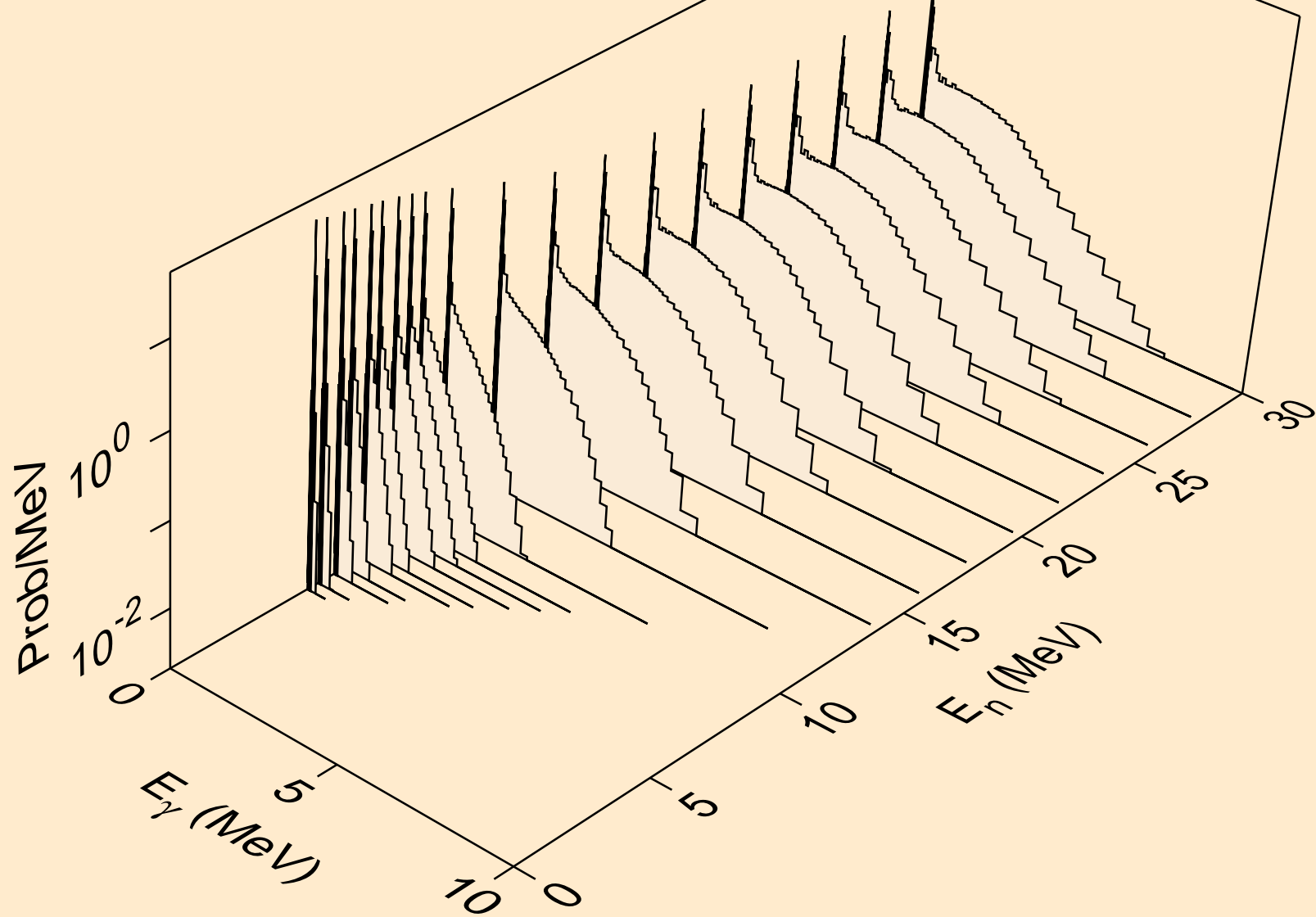
HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a



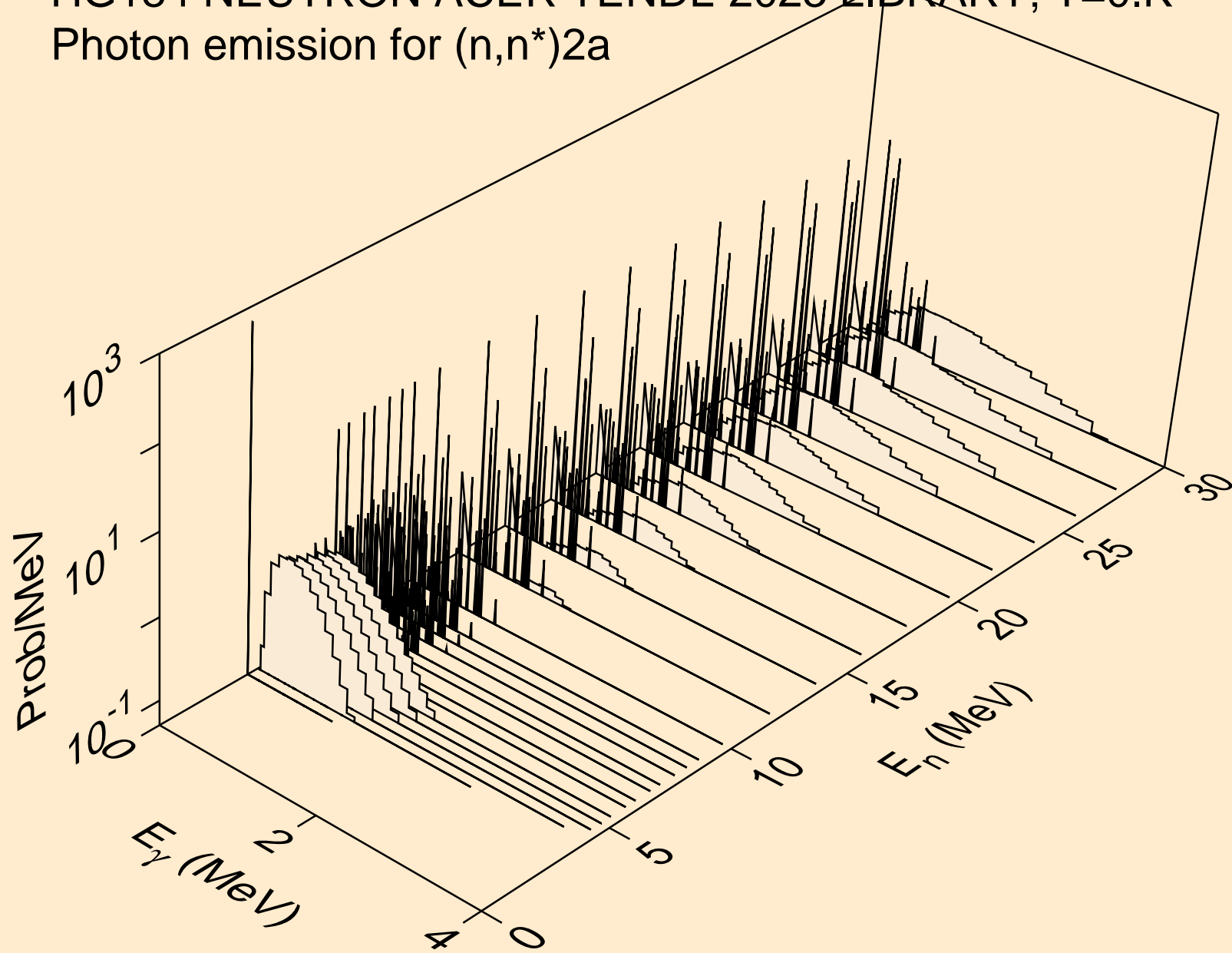
HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)a



HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p

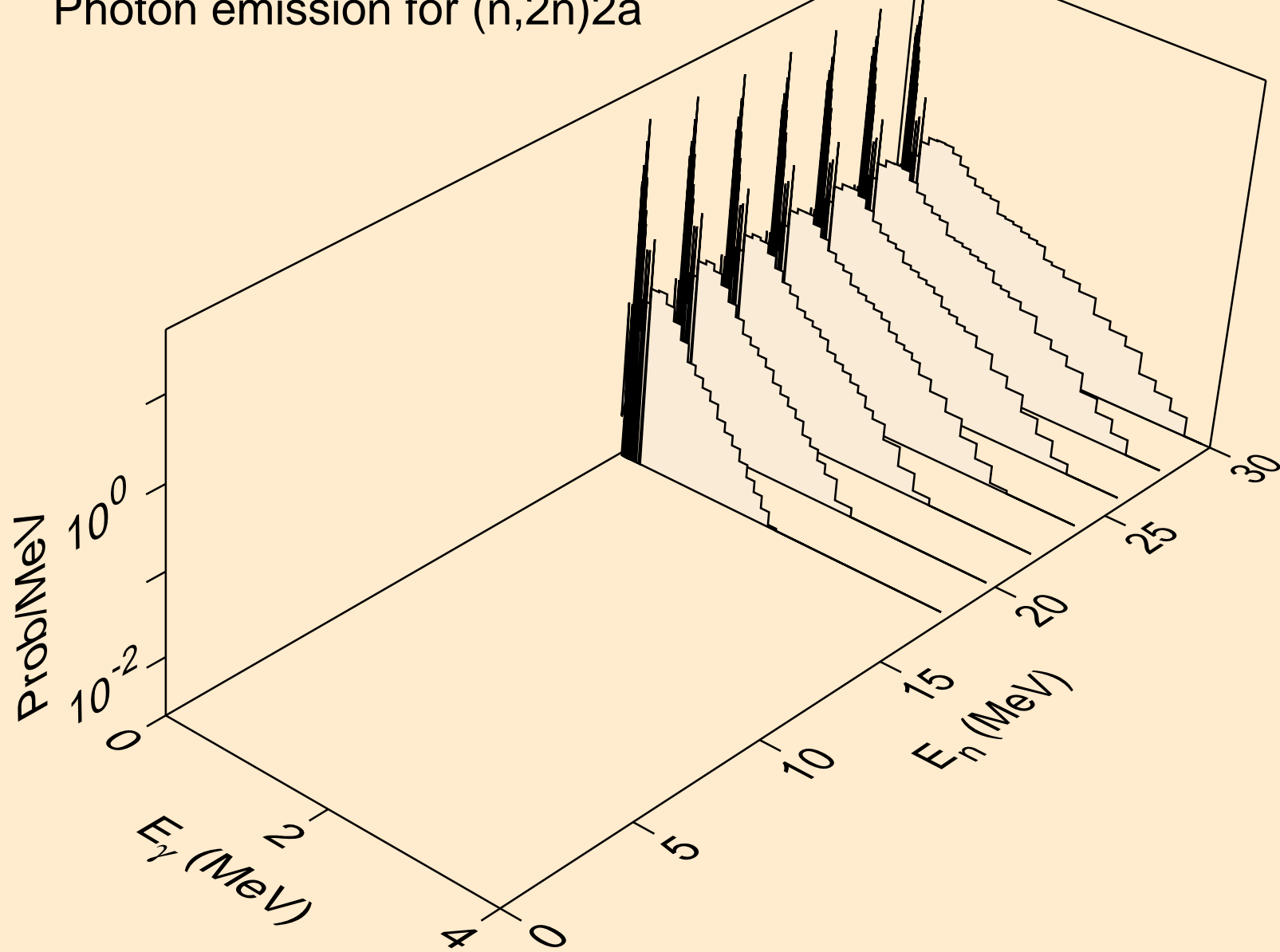


HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a

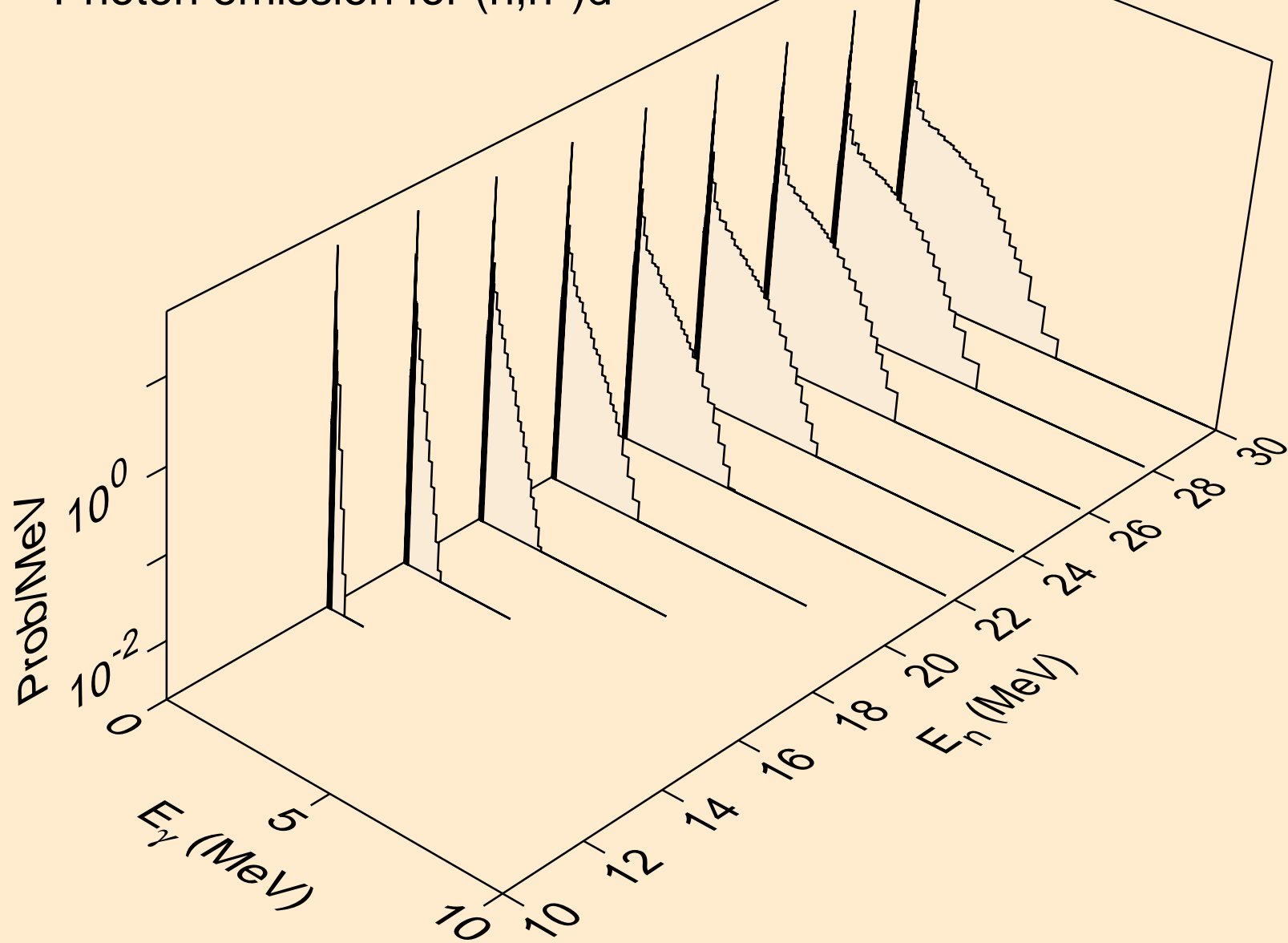




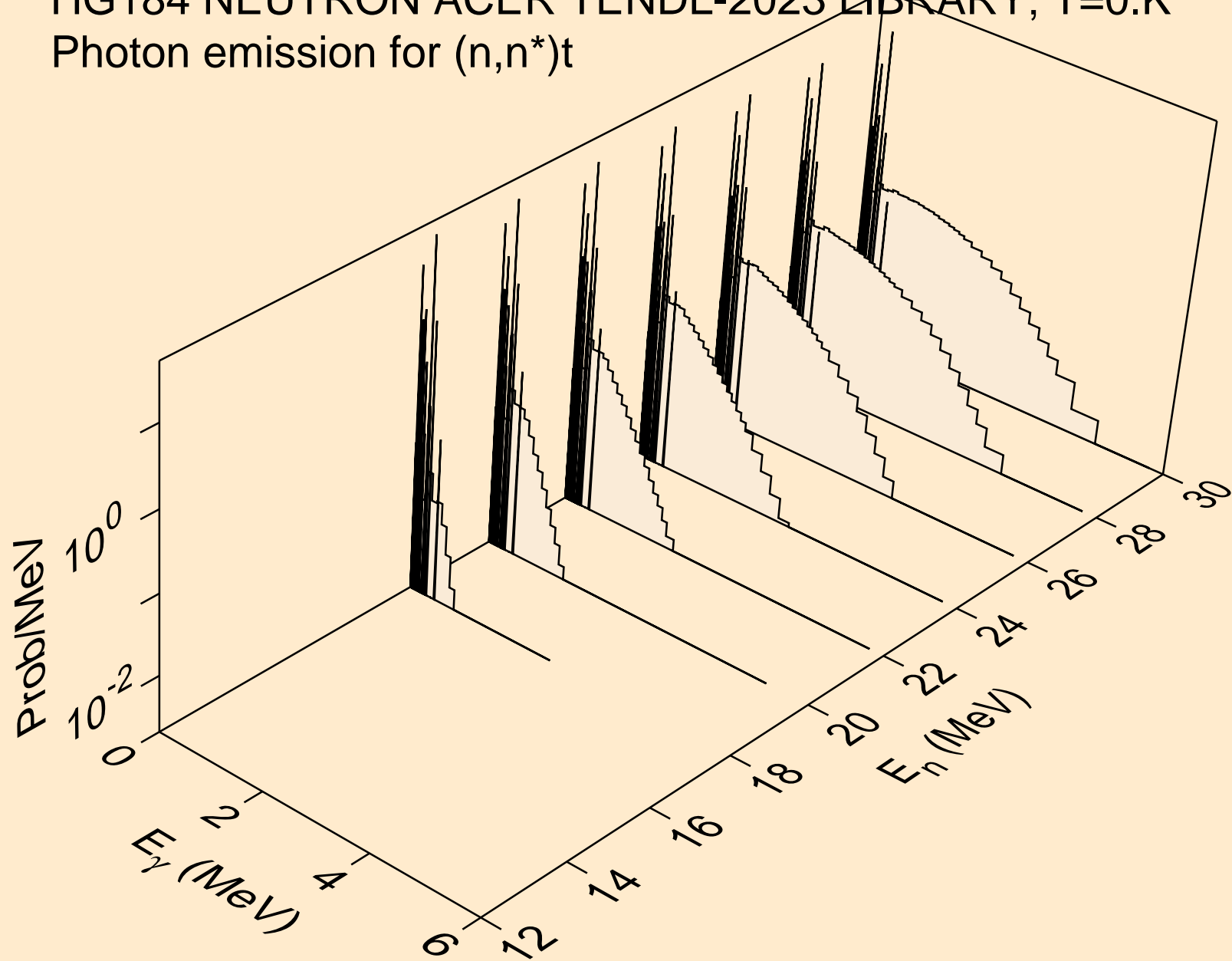
HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)2a



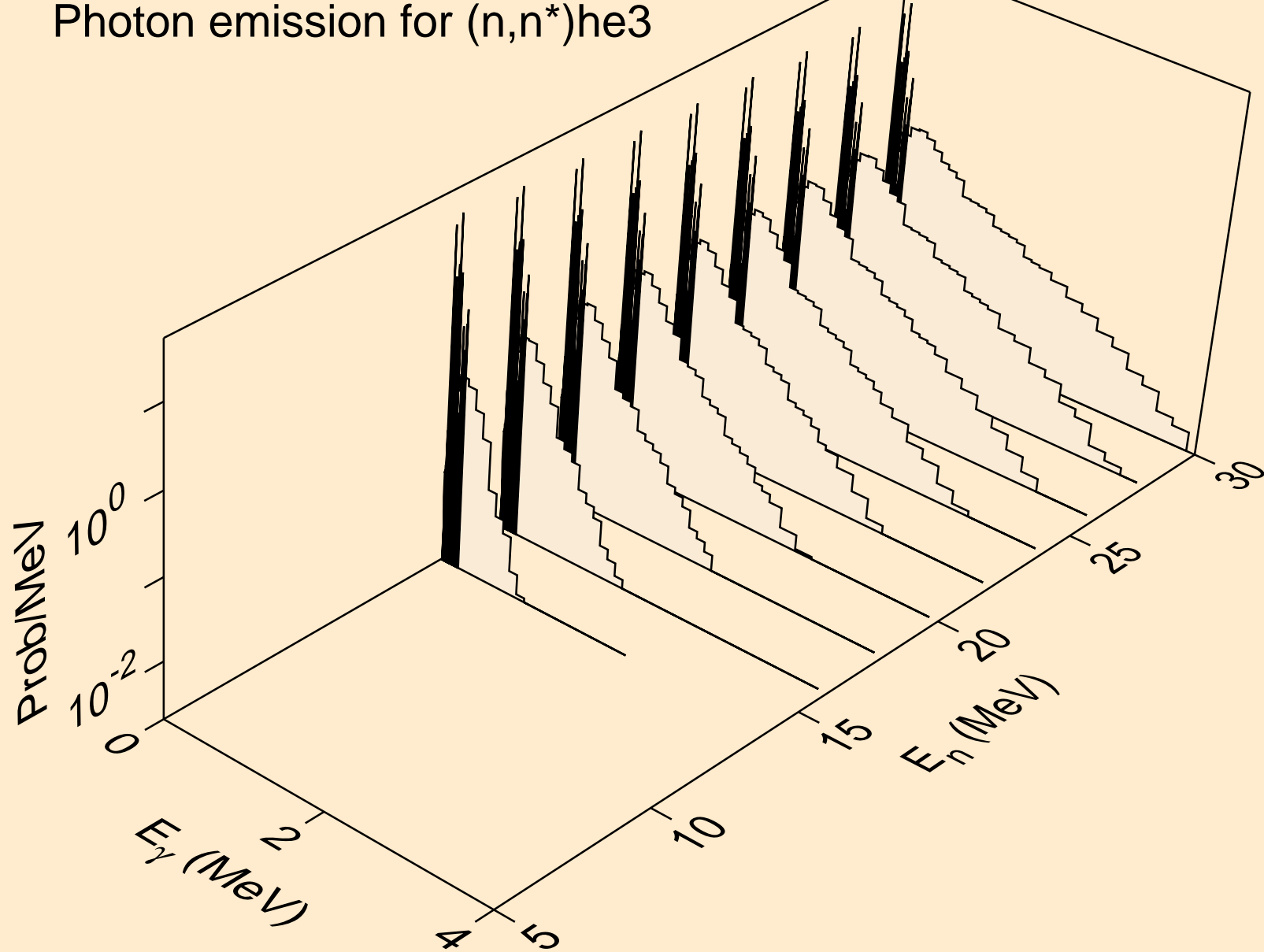
HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



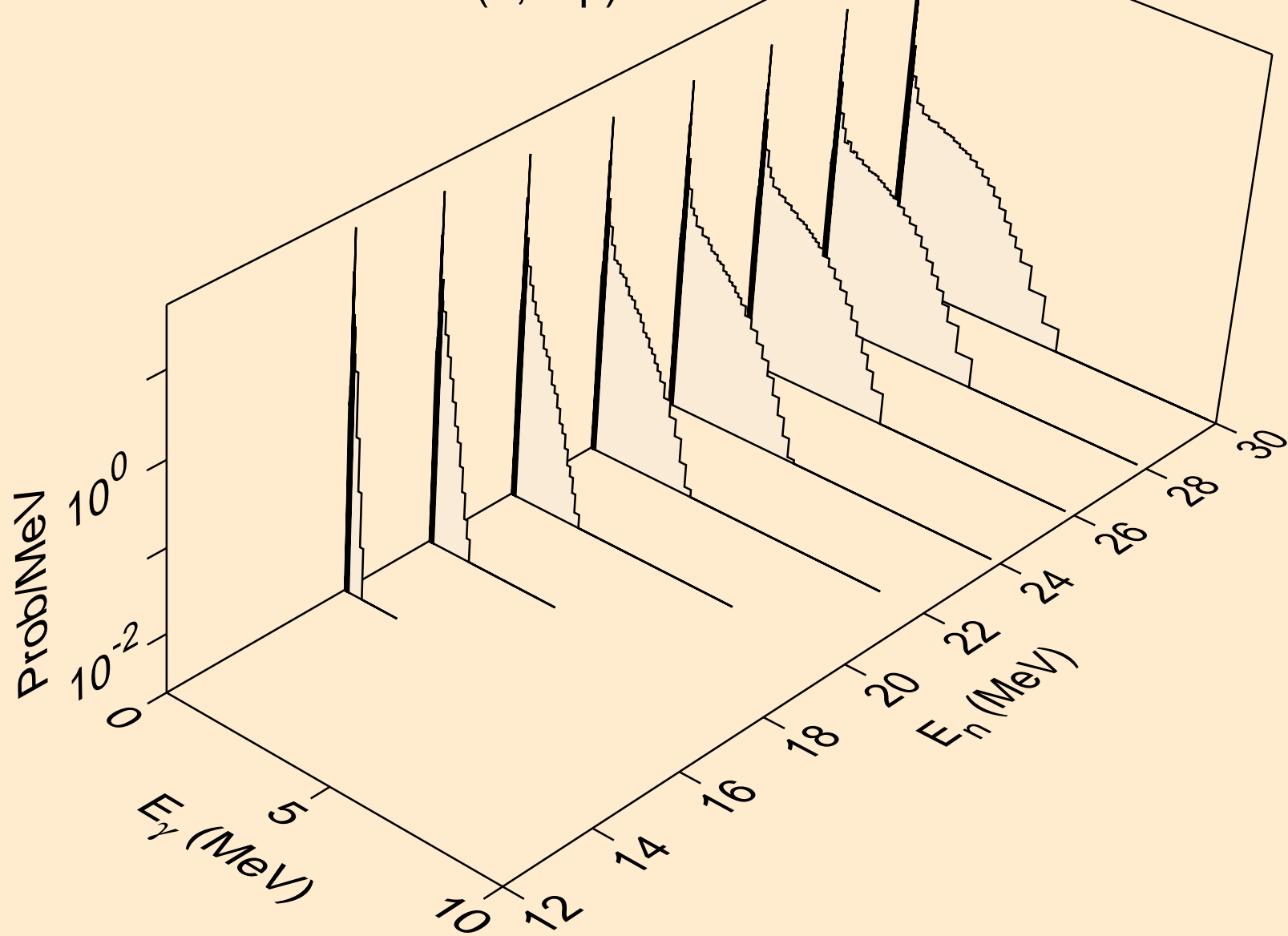
HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



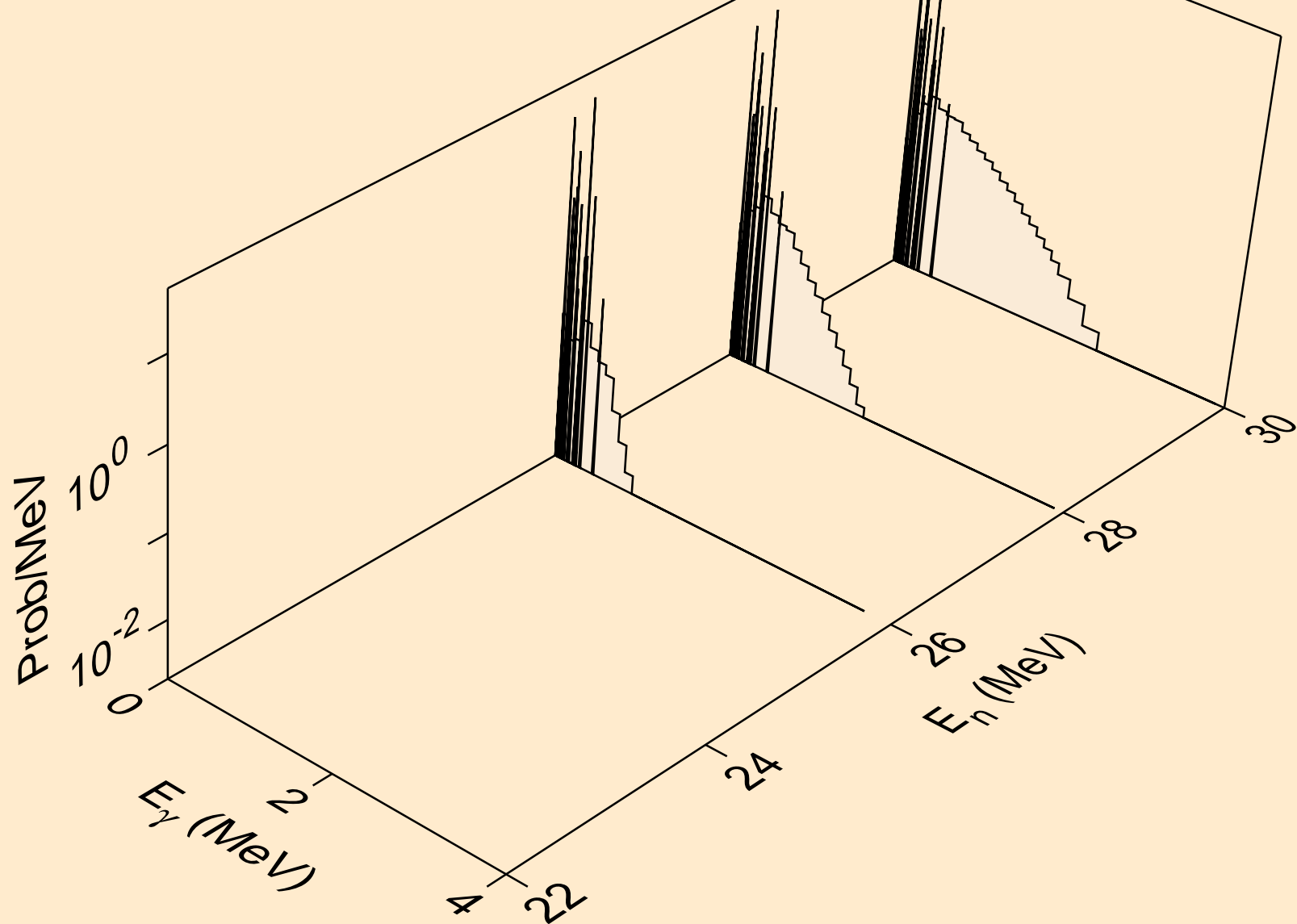
HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



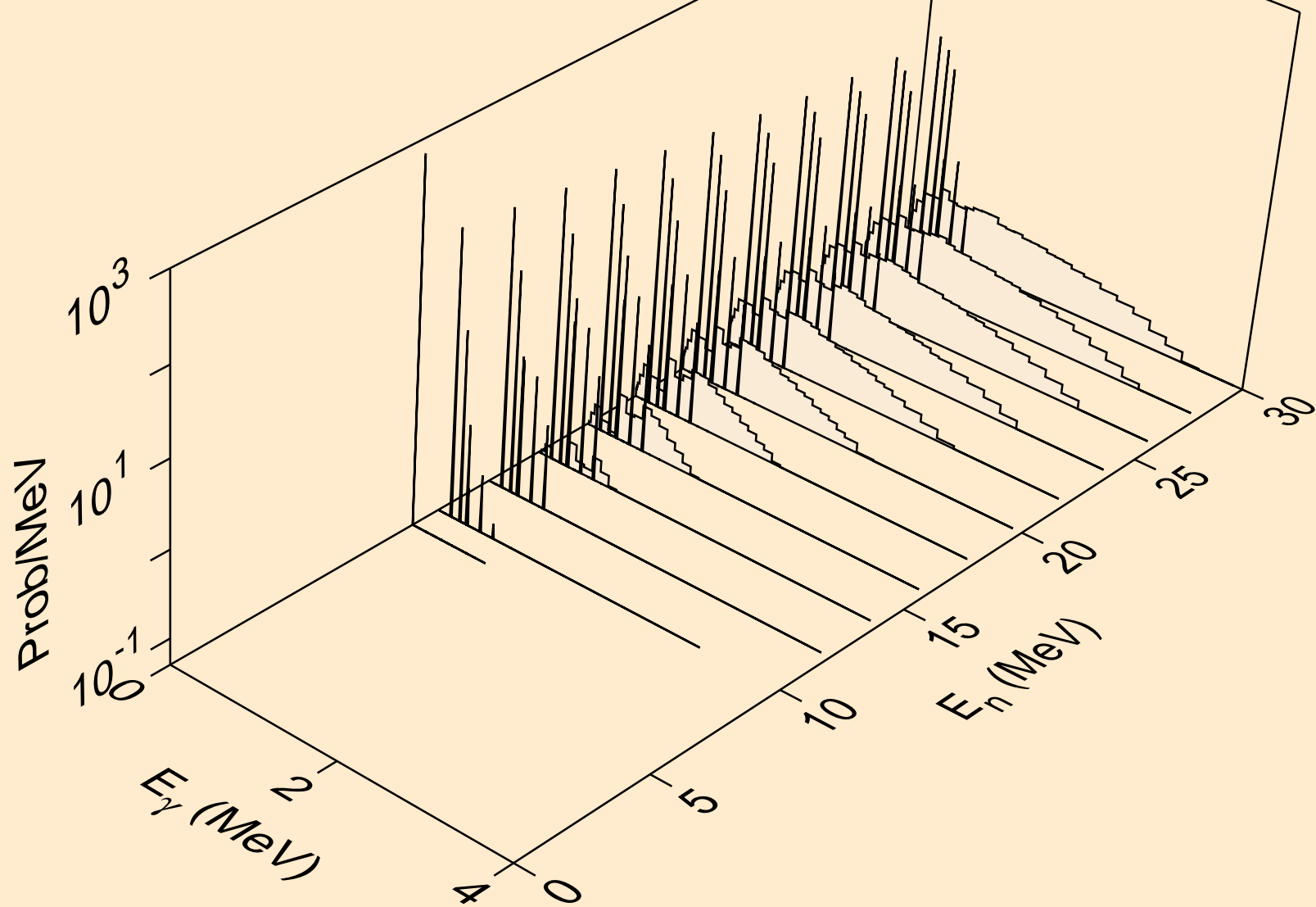
HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)



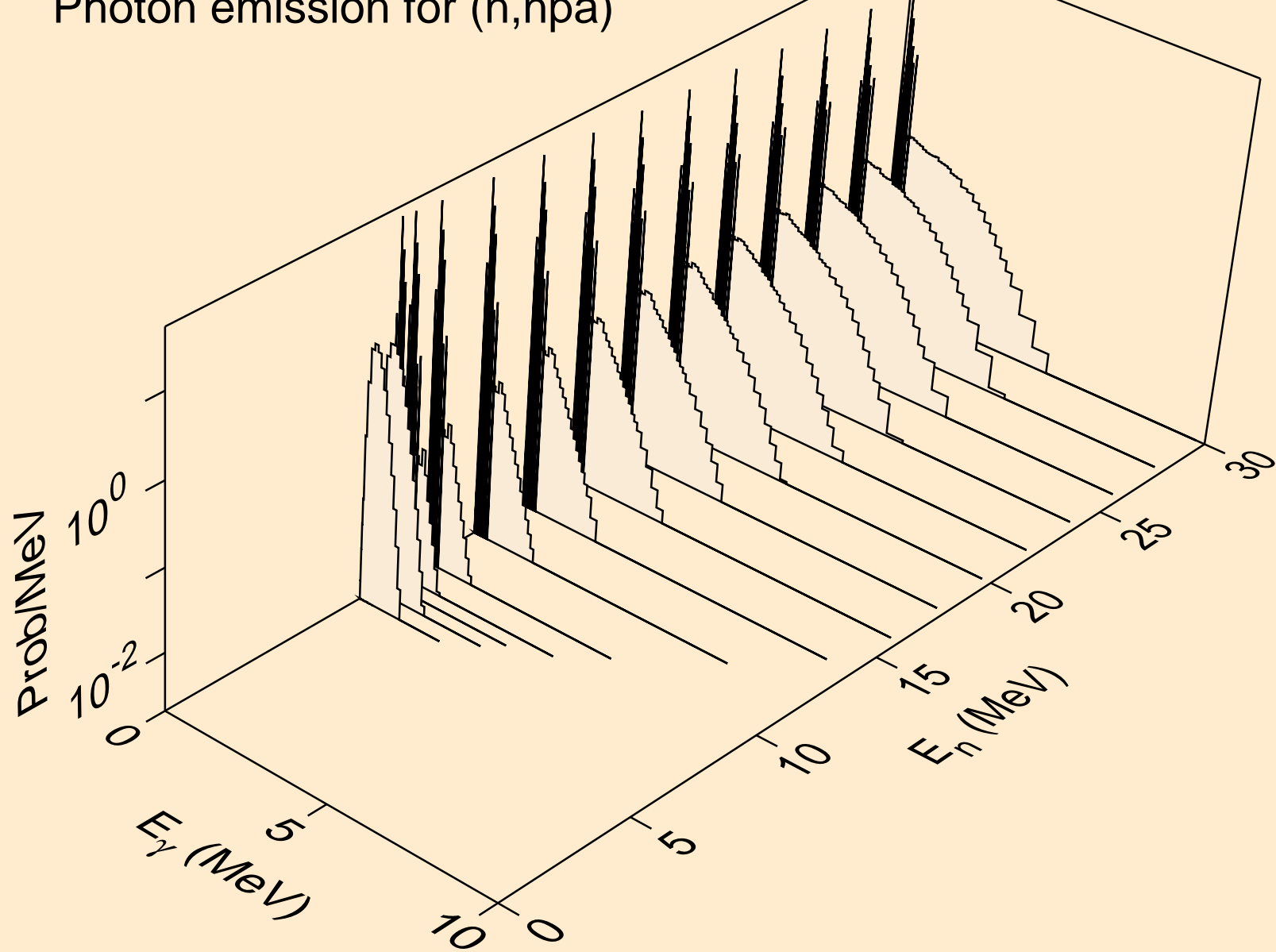
HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3np)



HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)

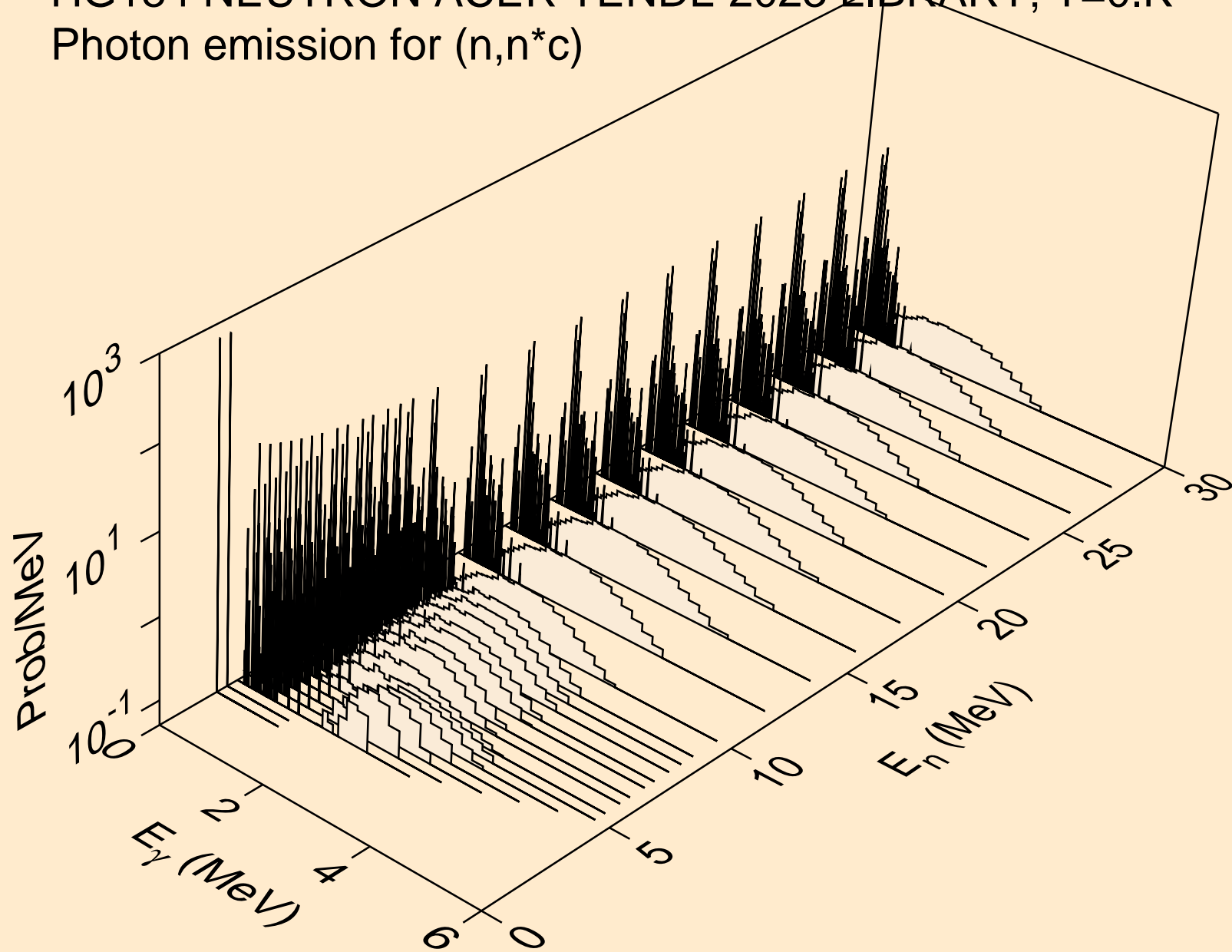


HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,npa)

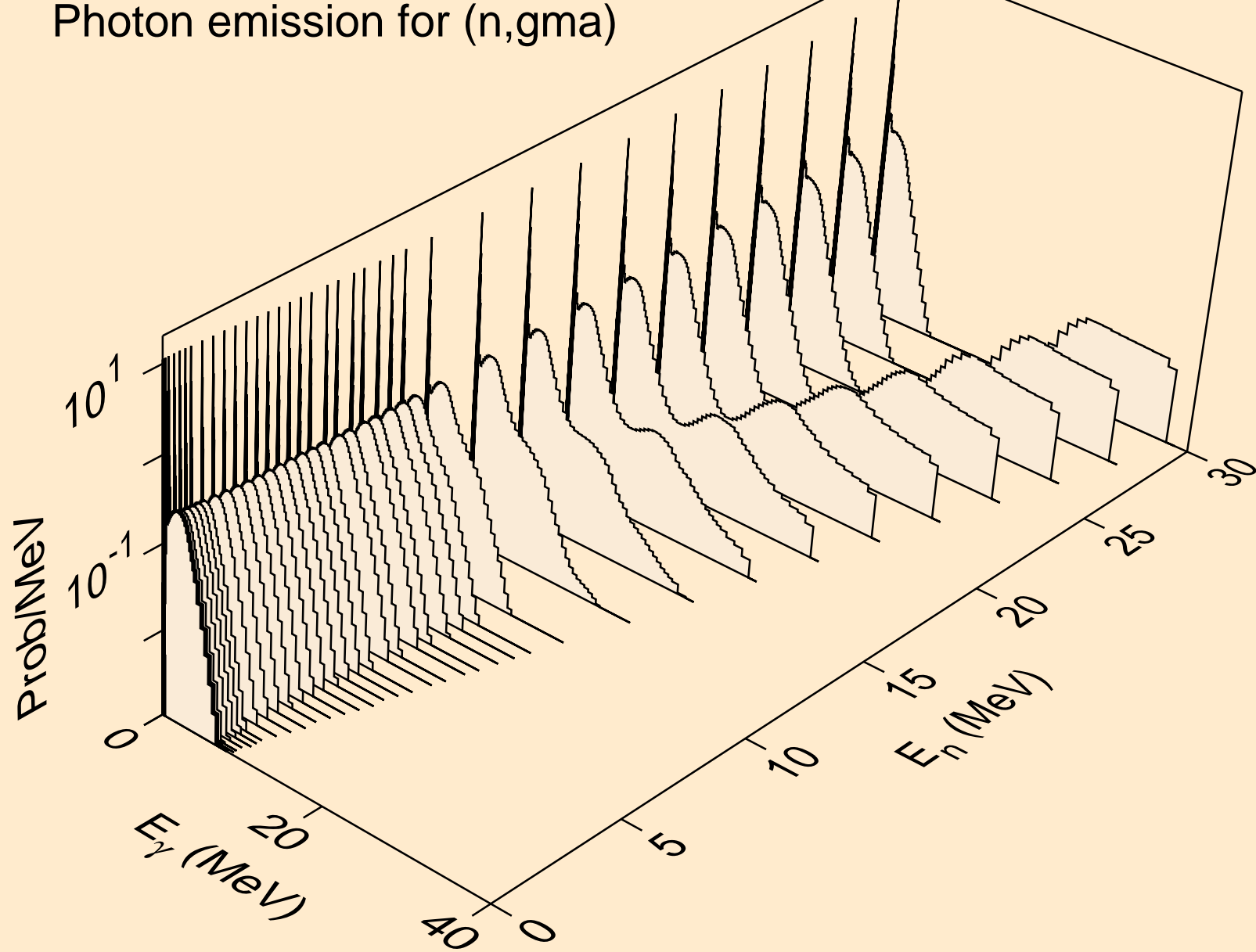




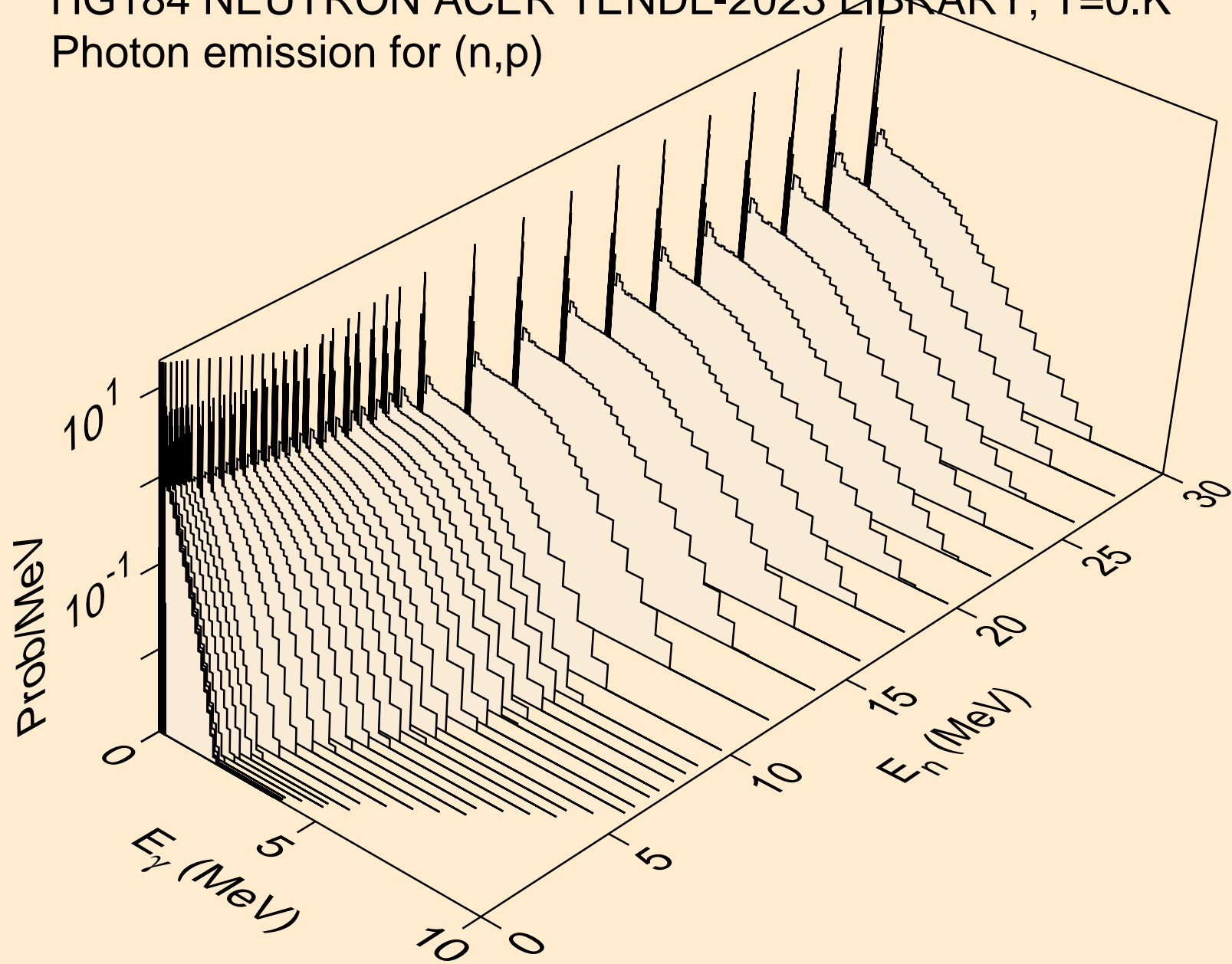
HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*c)



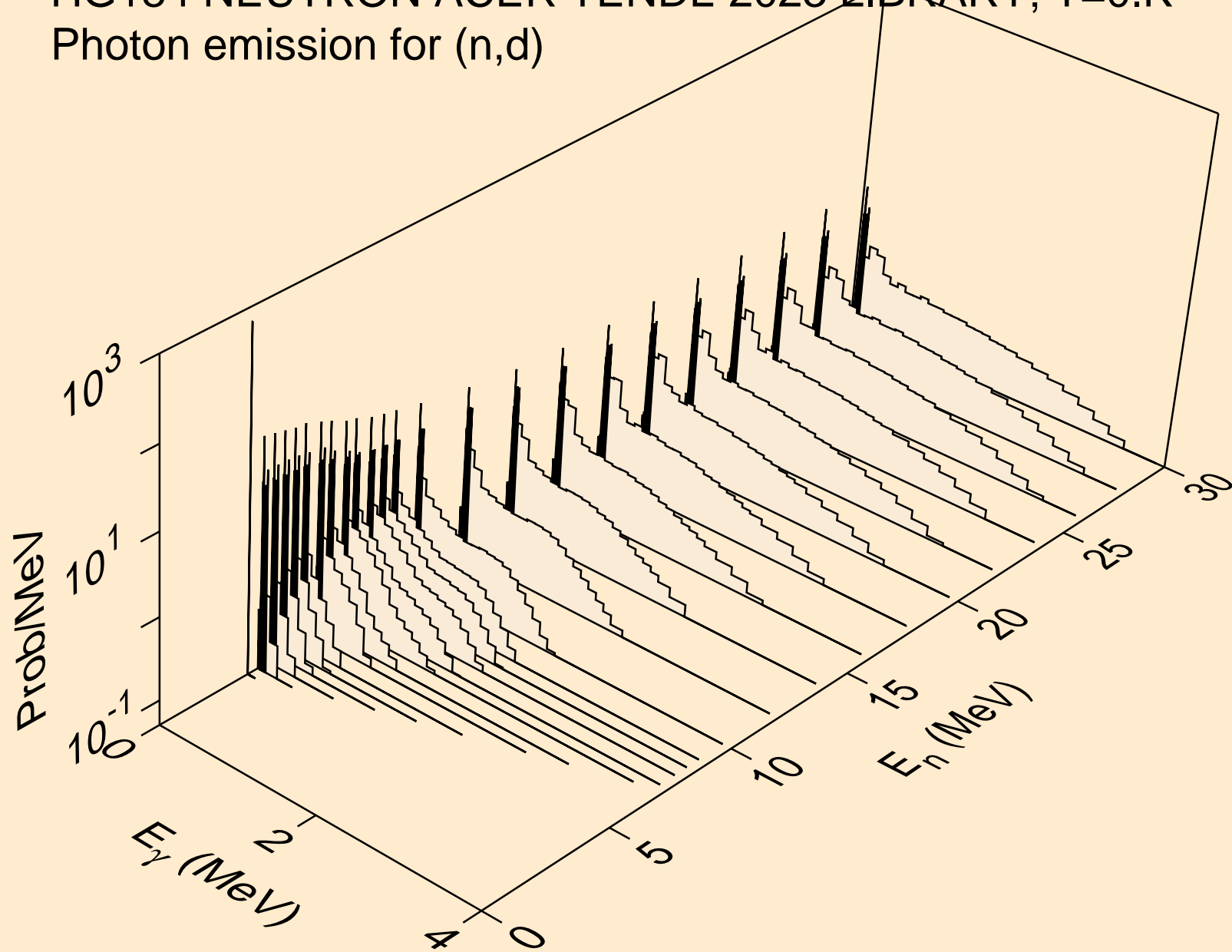
HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)



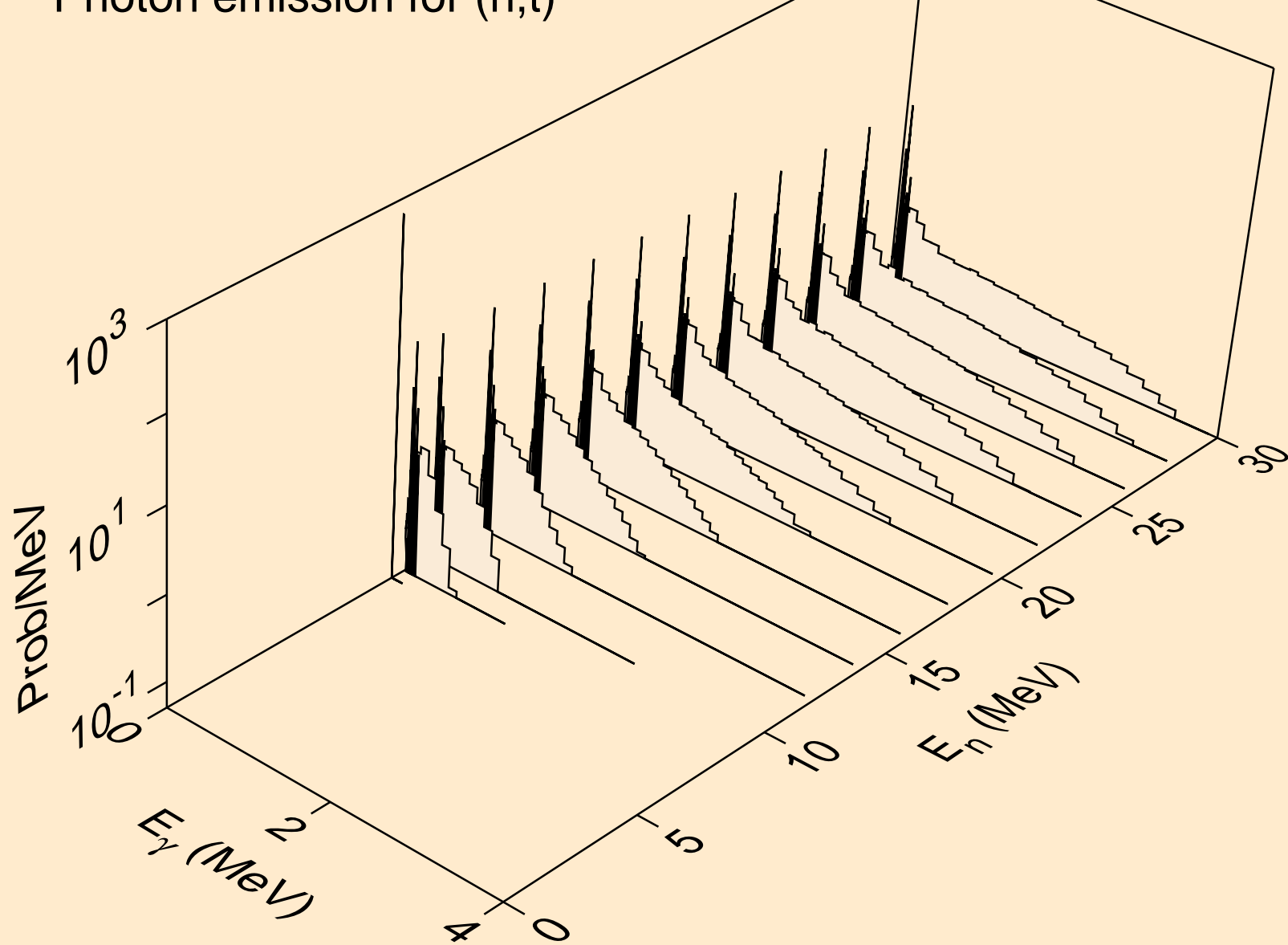
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Photon emission for (n,p)



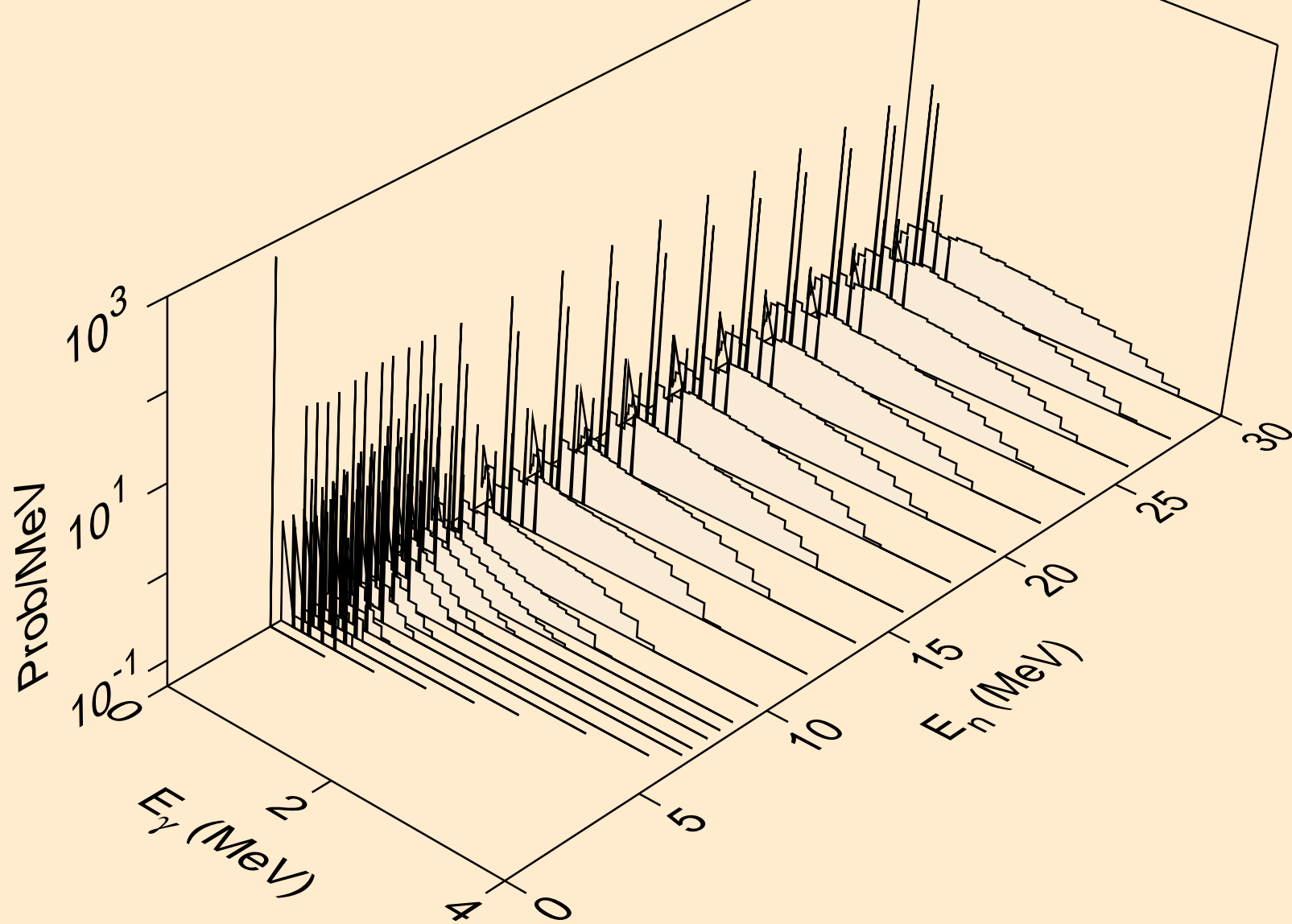
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Photon emission for (n,d)



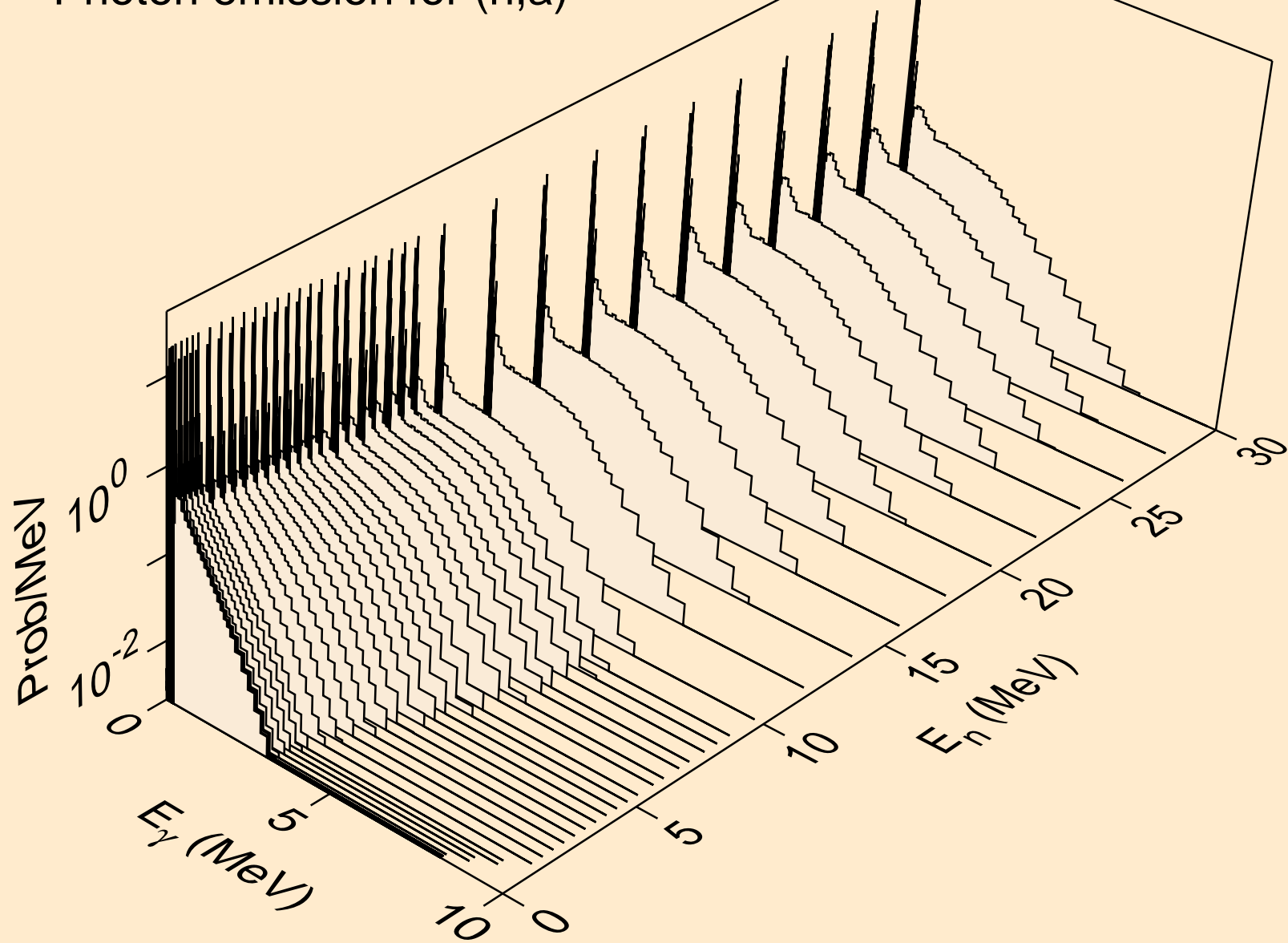
HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)



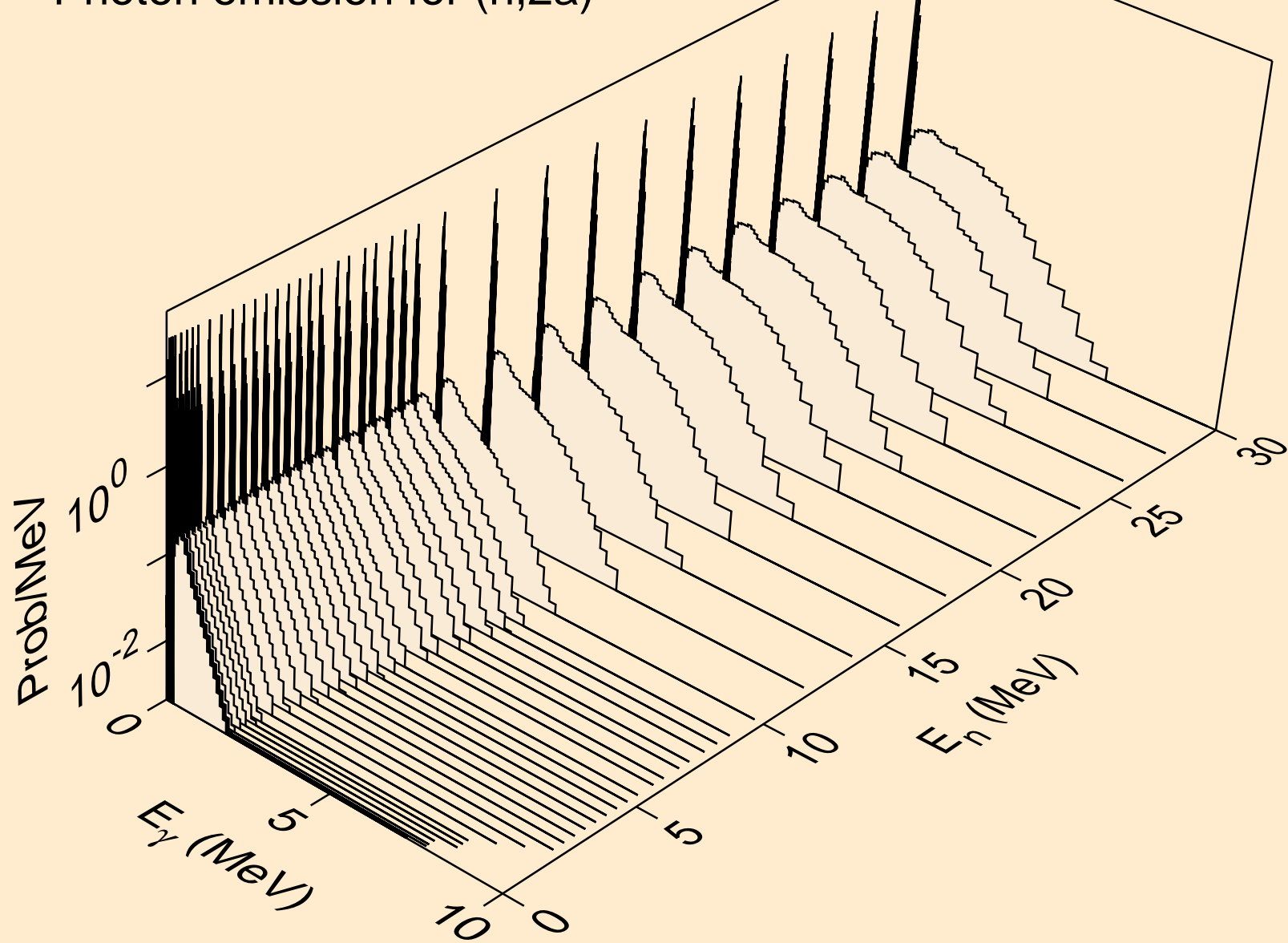
HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)



HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)

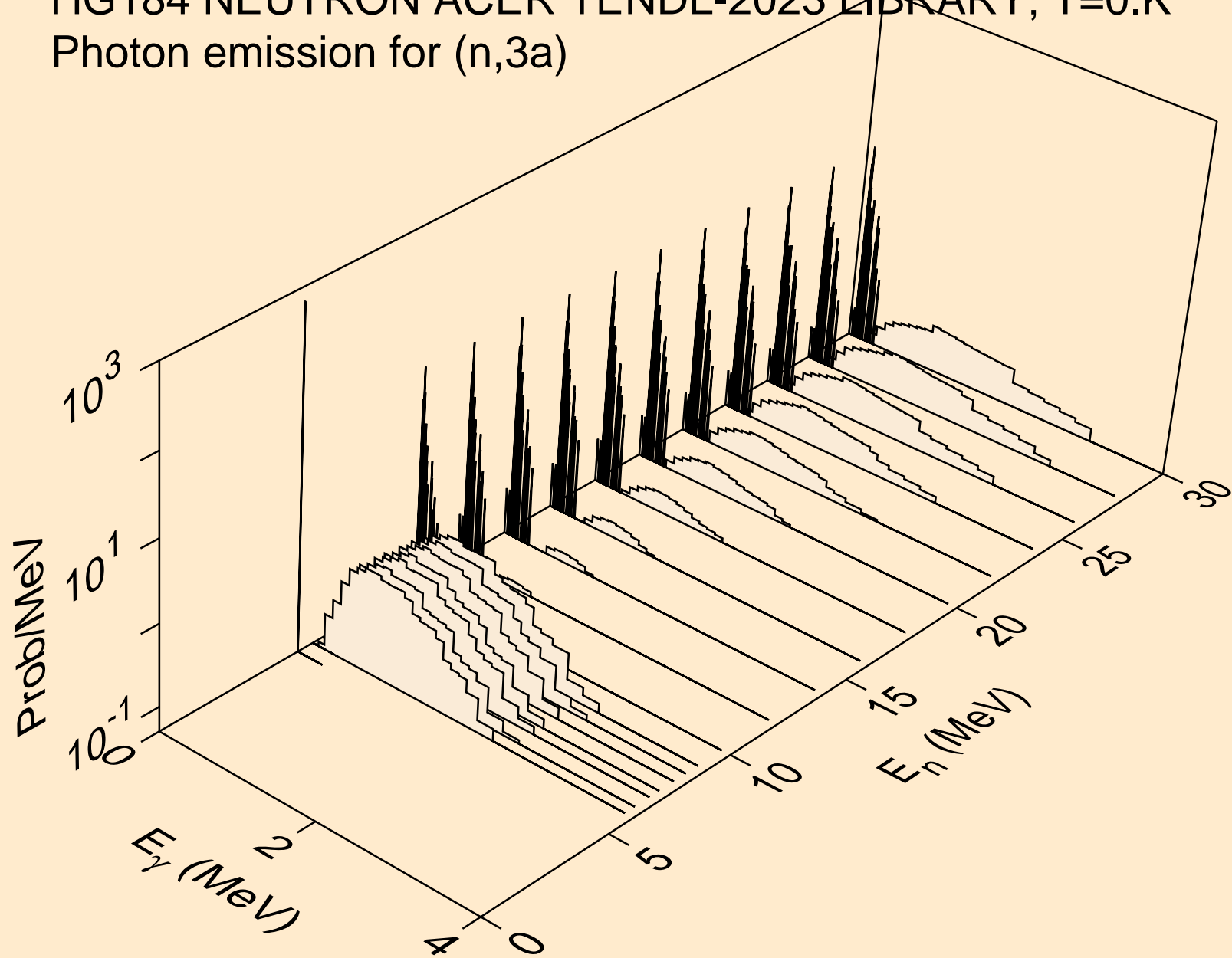


HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2a)

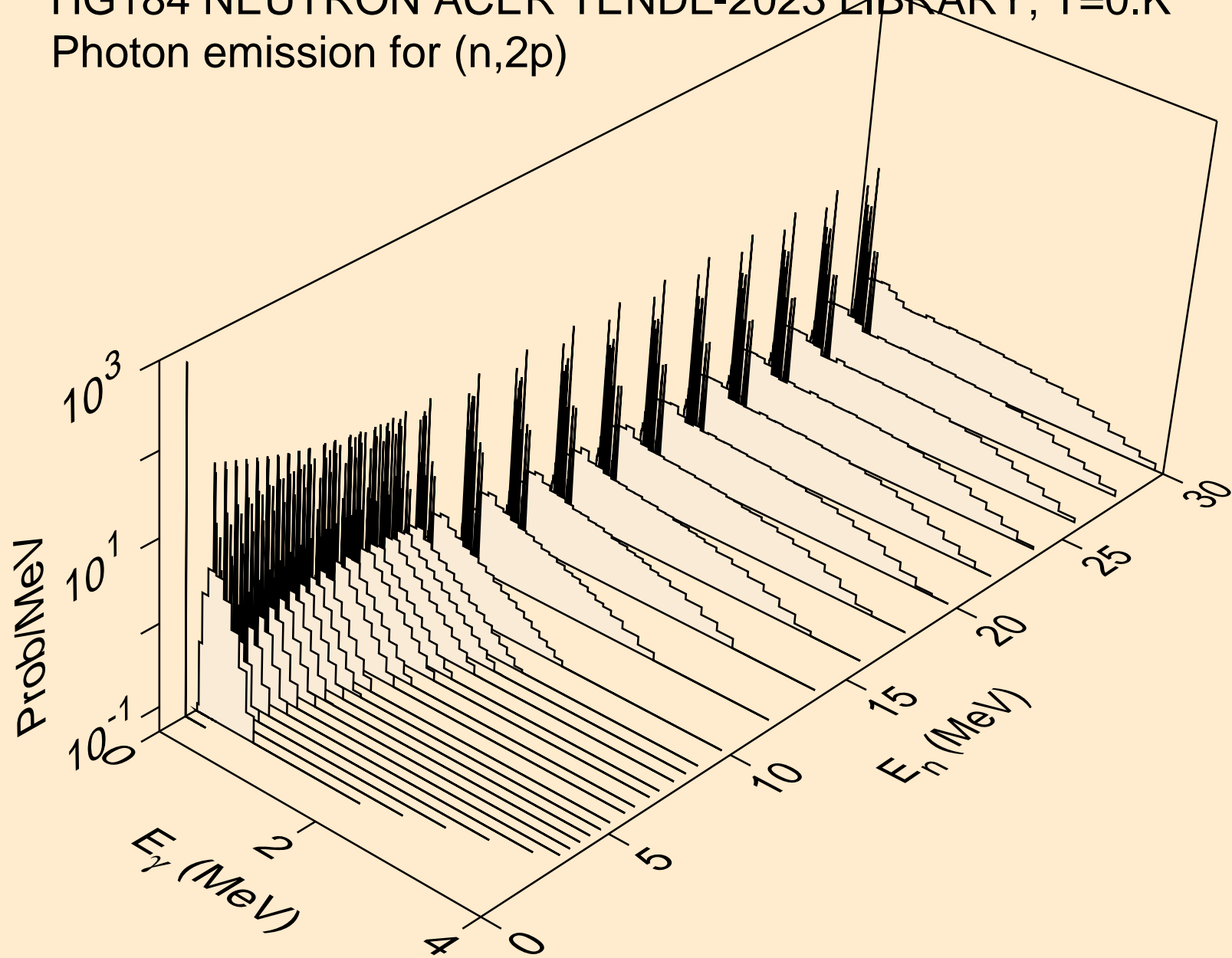




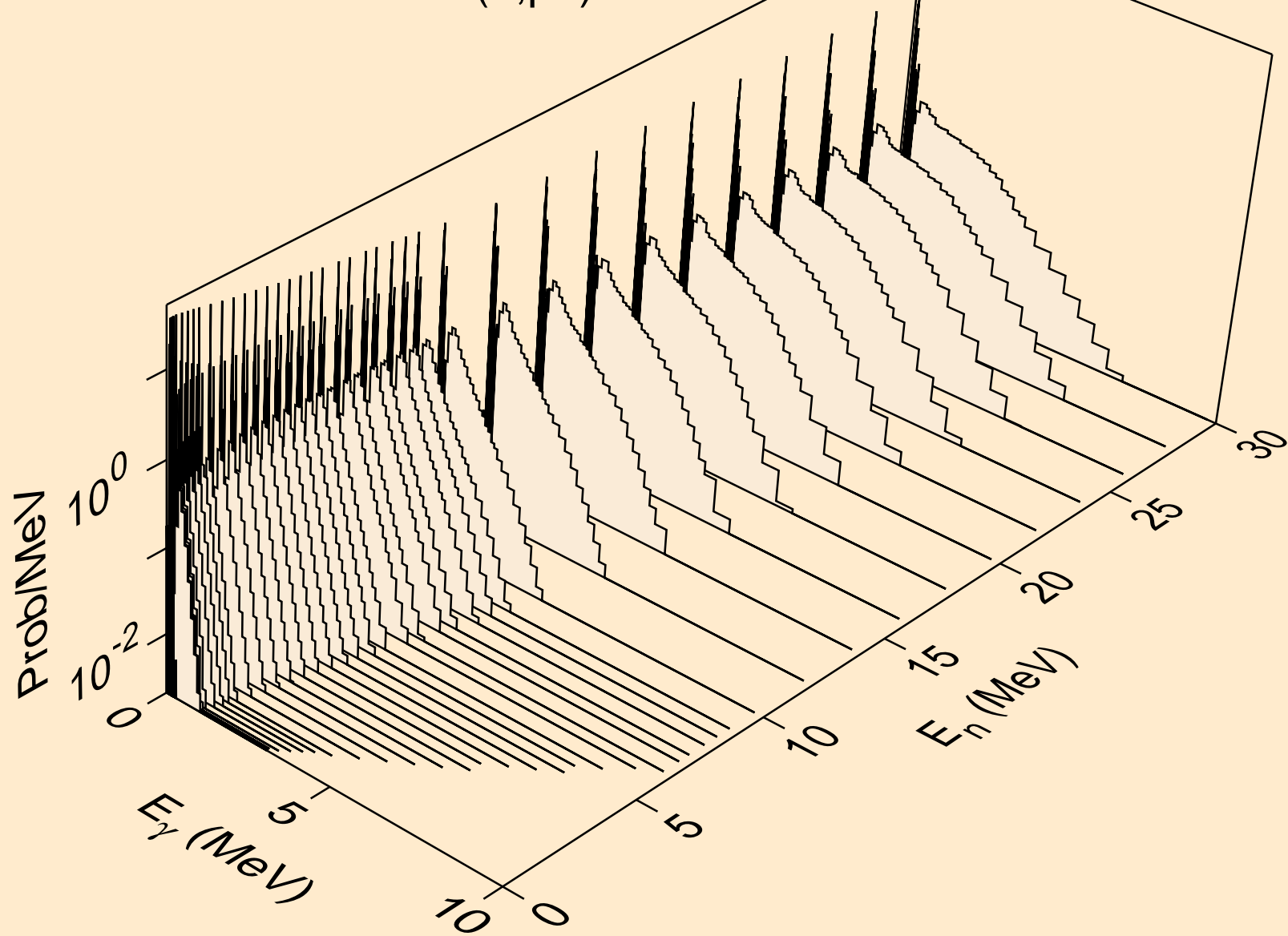
HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3a)



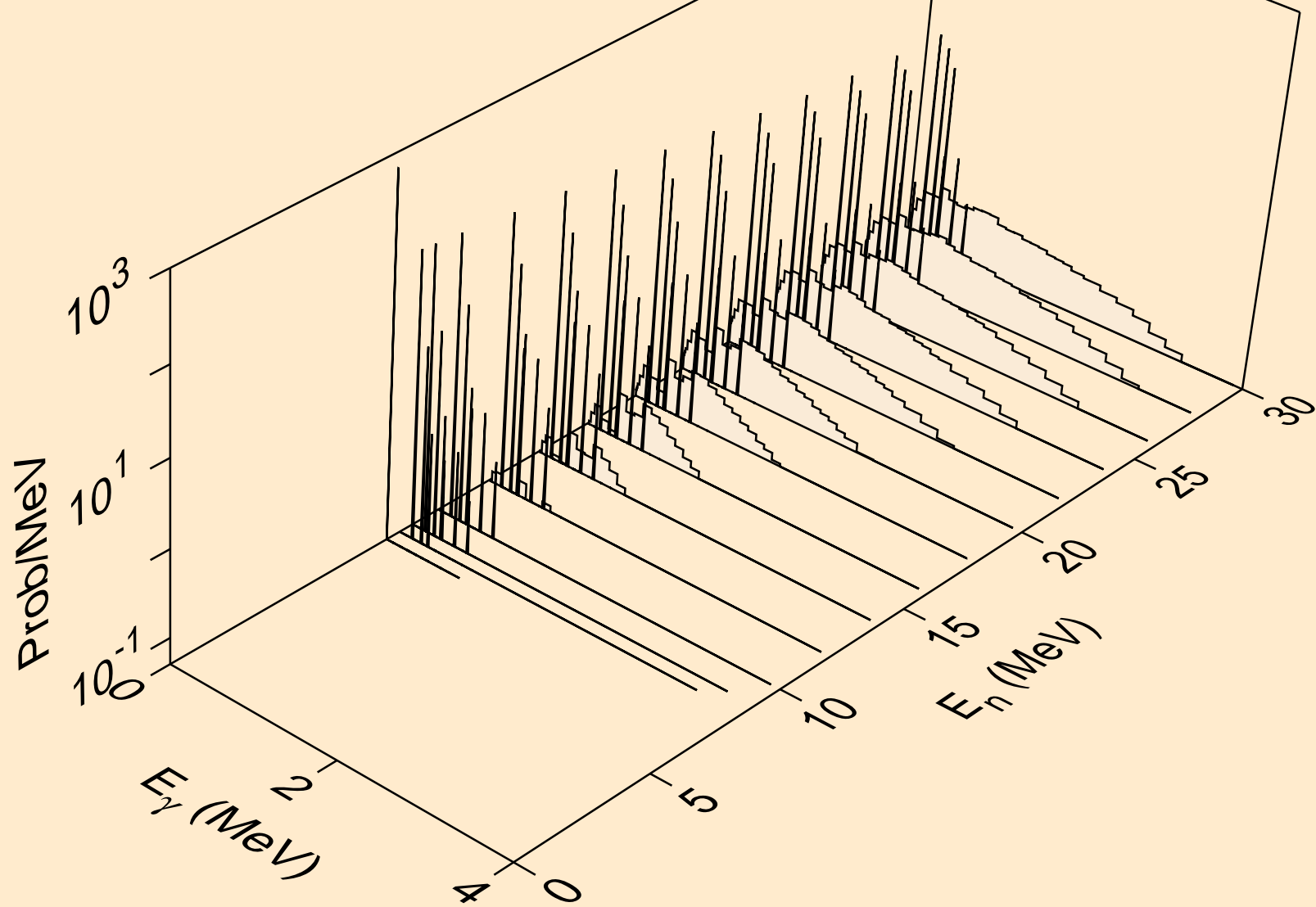
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Photon emission for (n,2p)



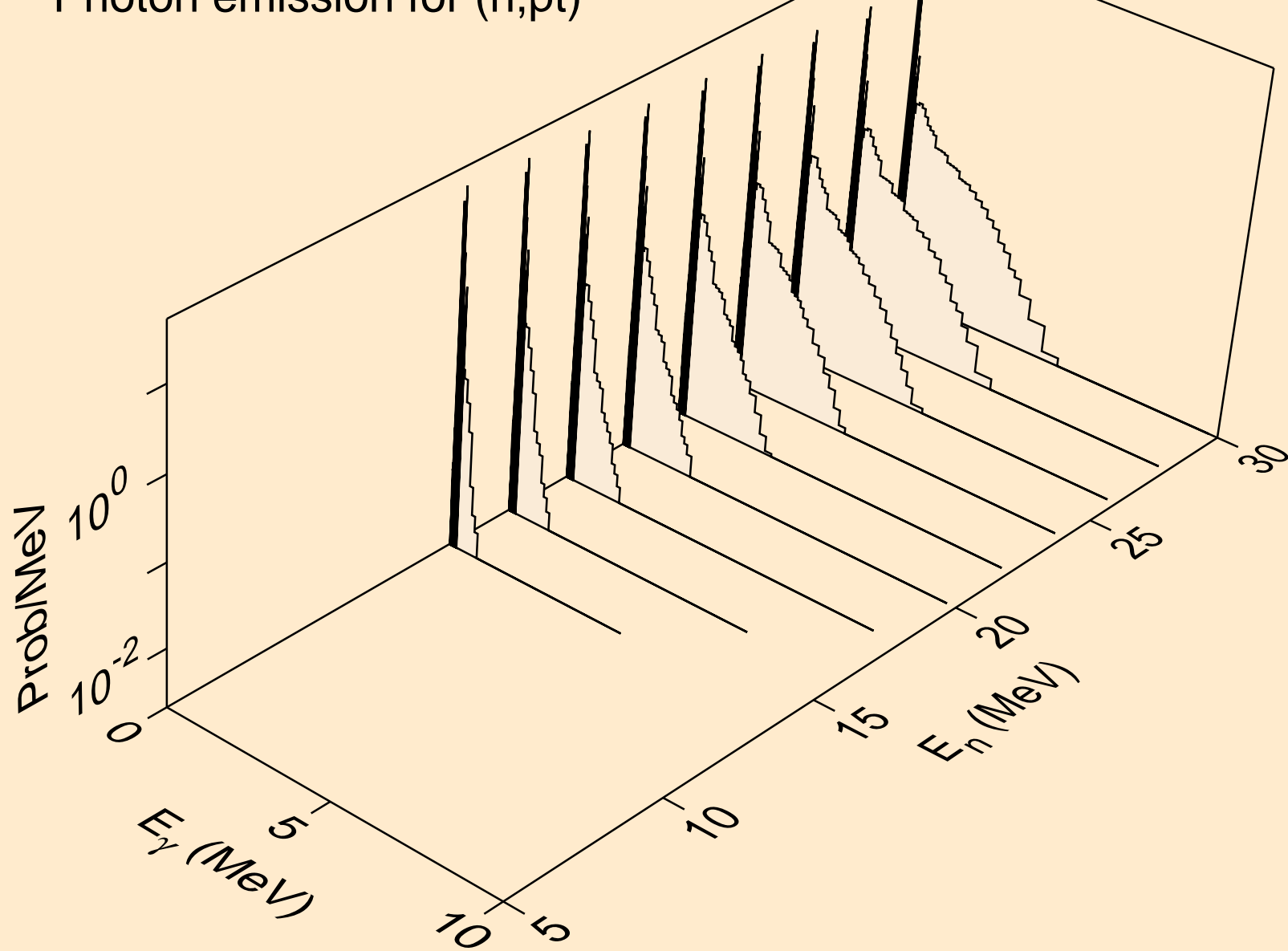
HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p $\alpha$ )



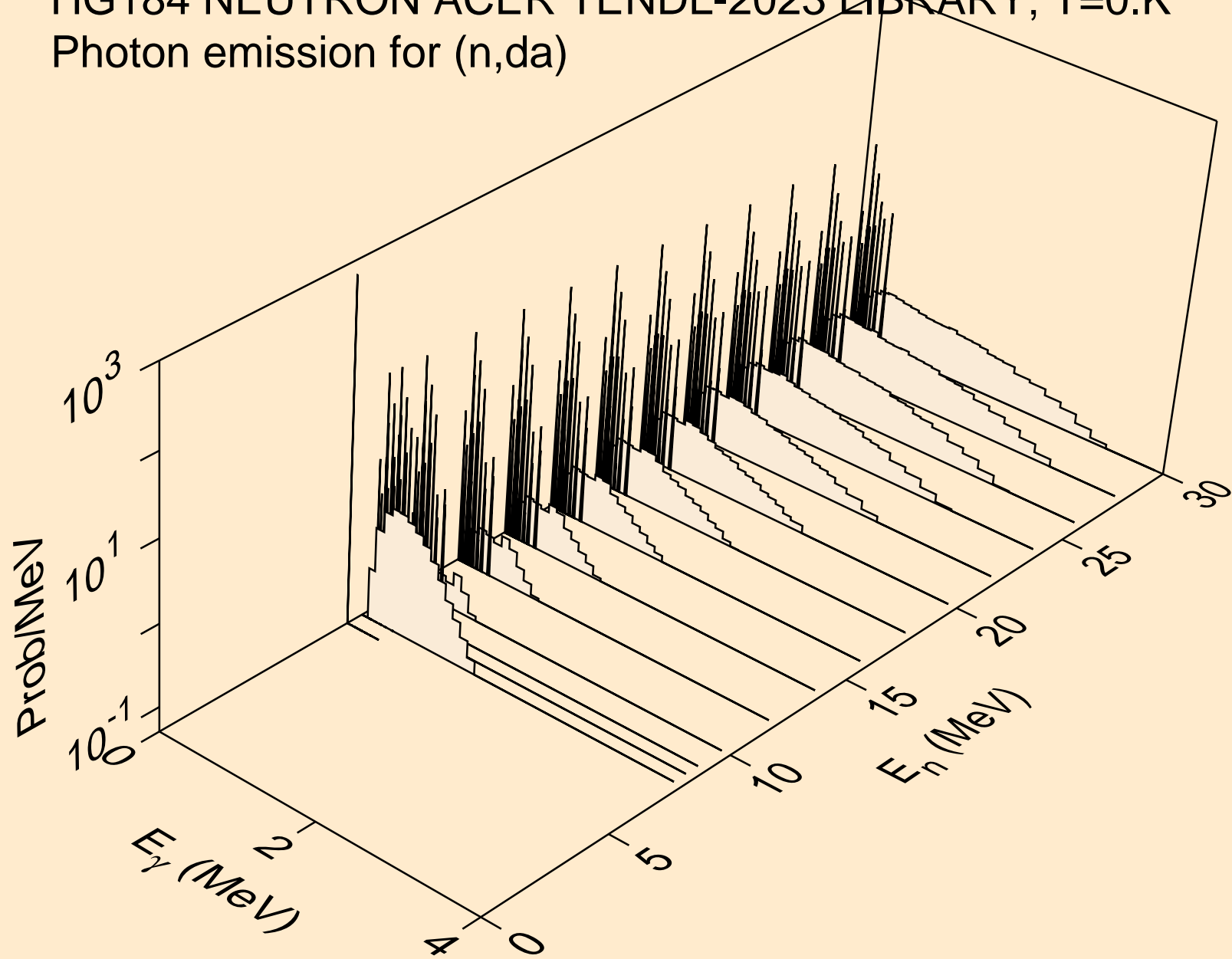
HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)



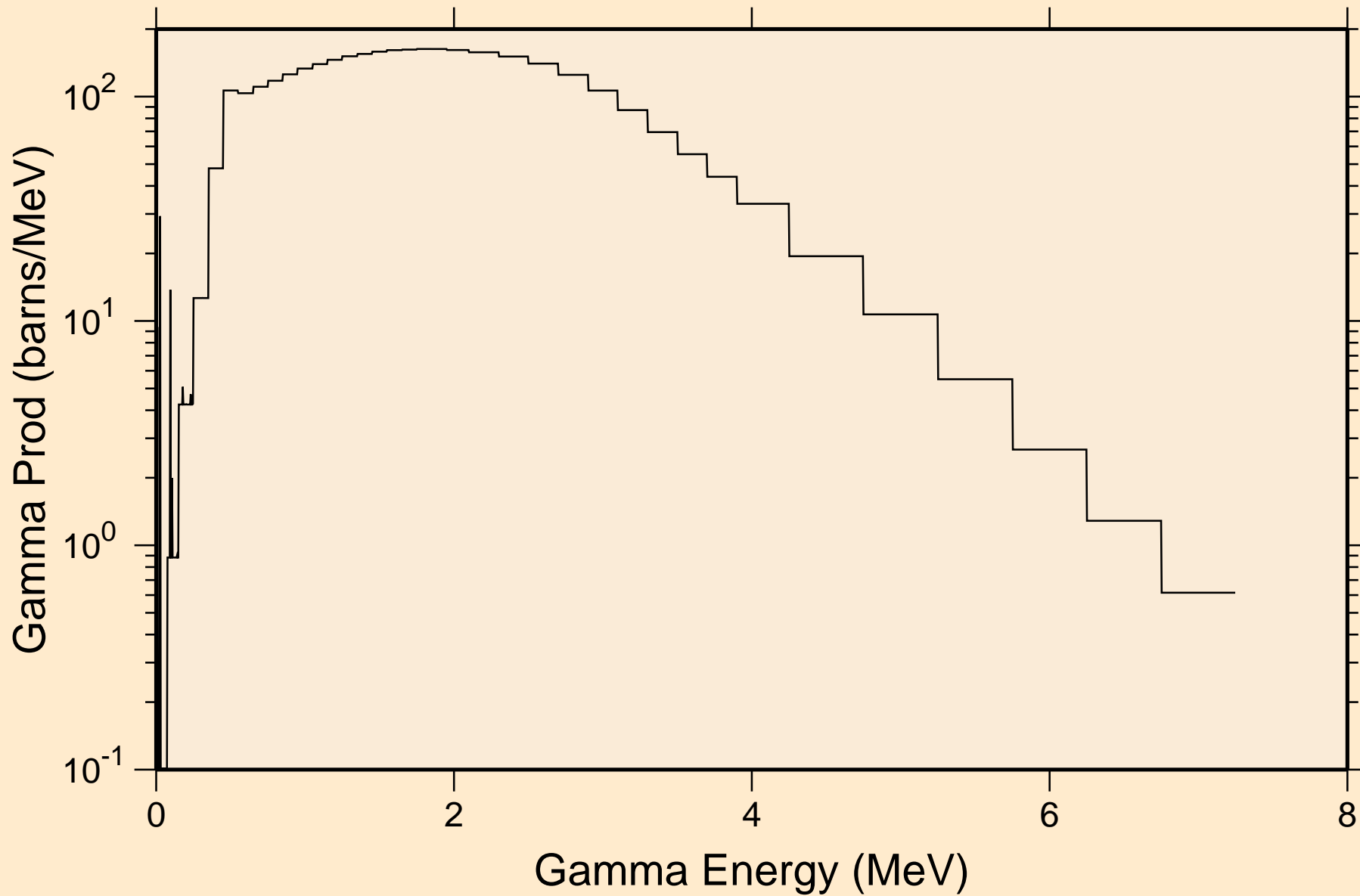
HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)



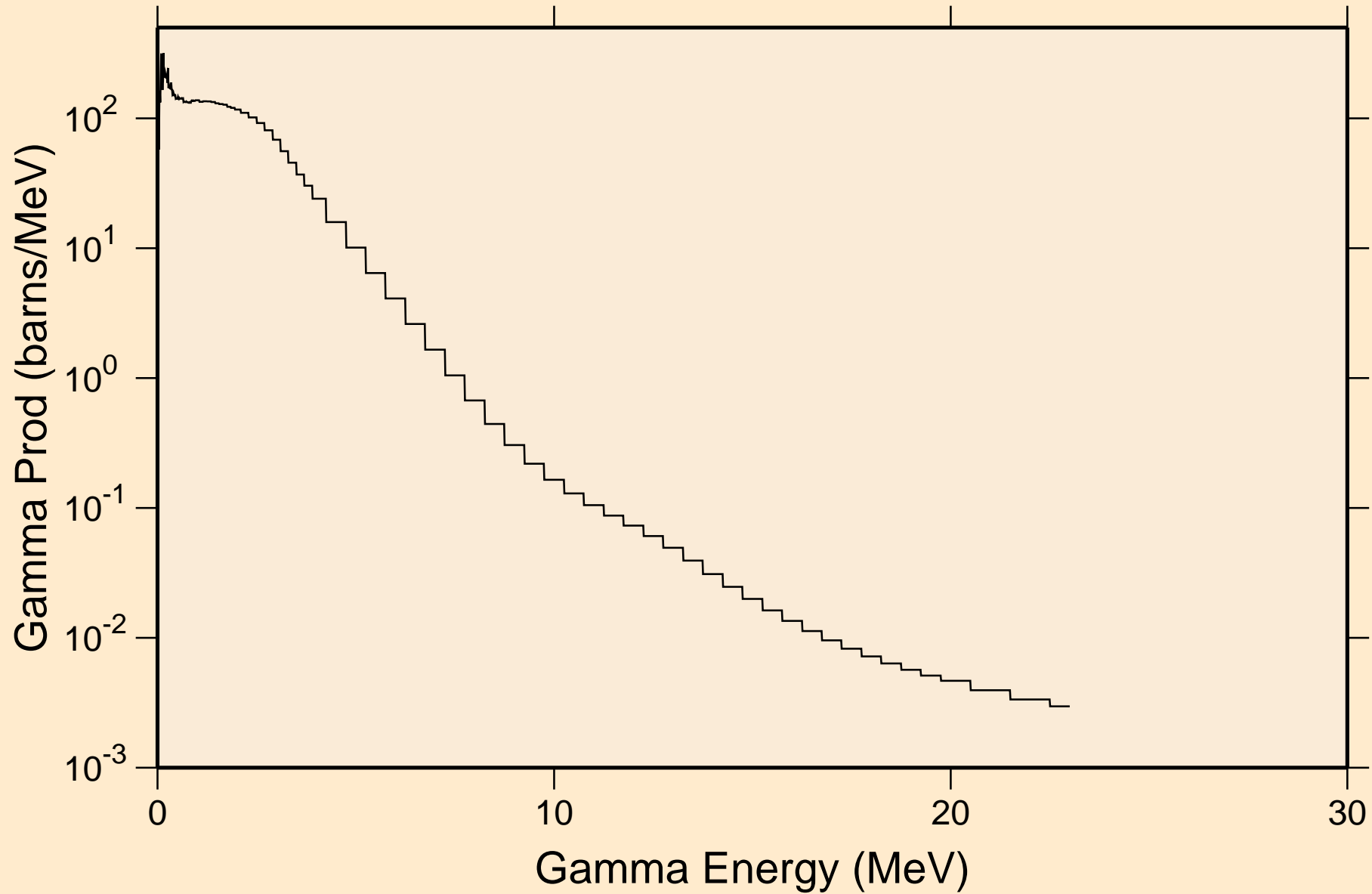
HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)



HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
thermal capture photon spectrum



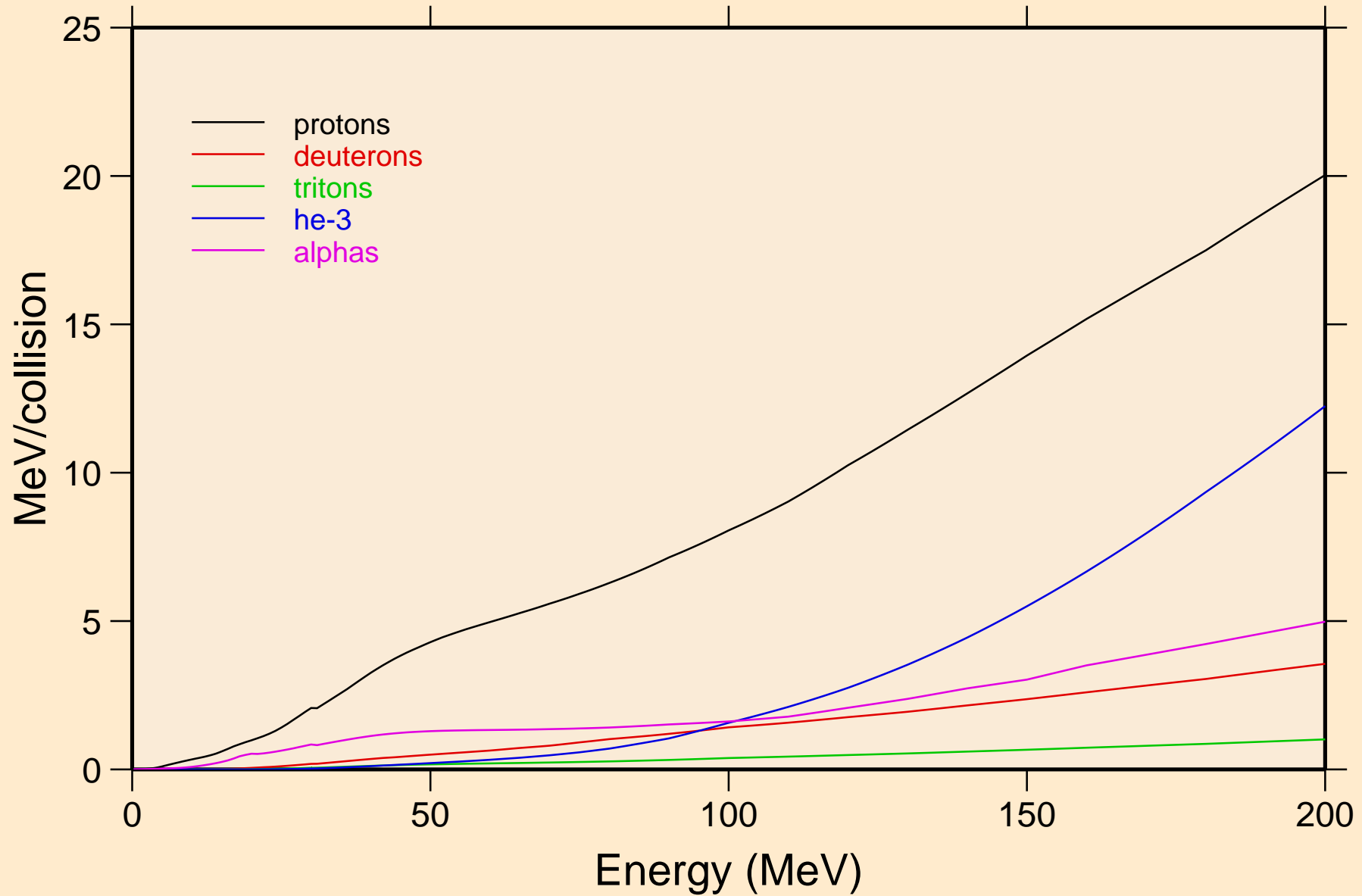
HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
14 MeV photon spectrum





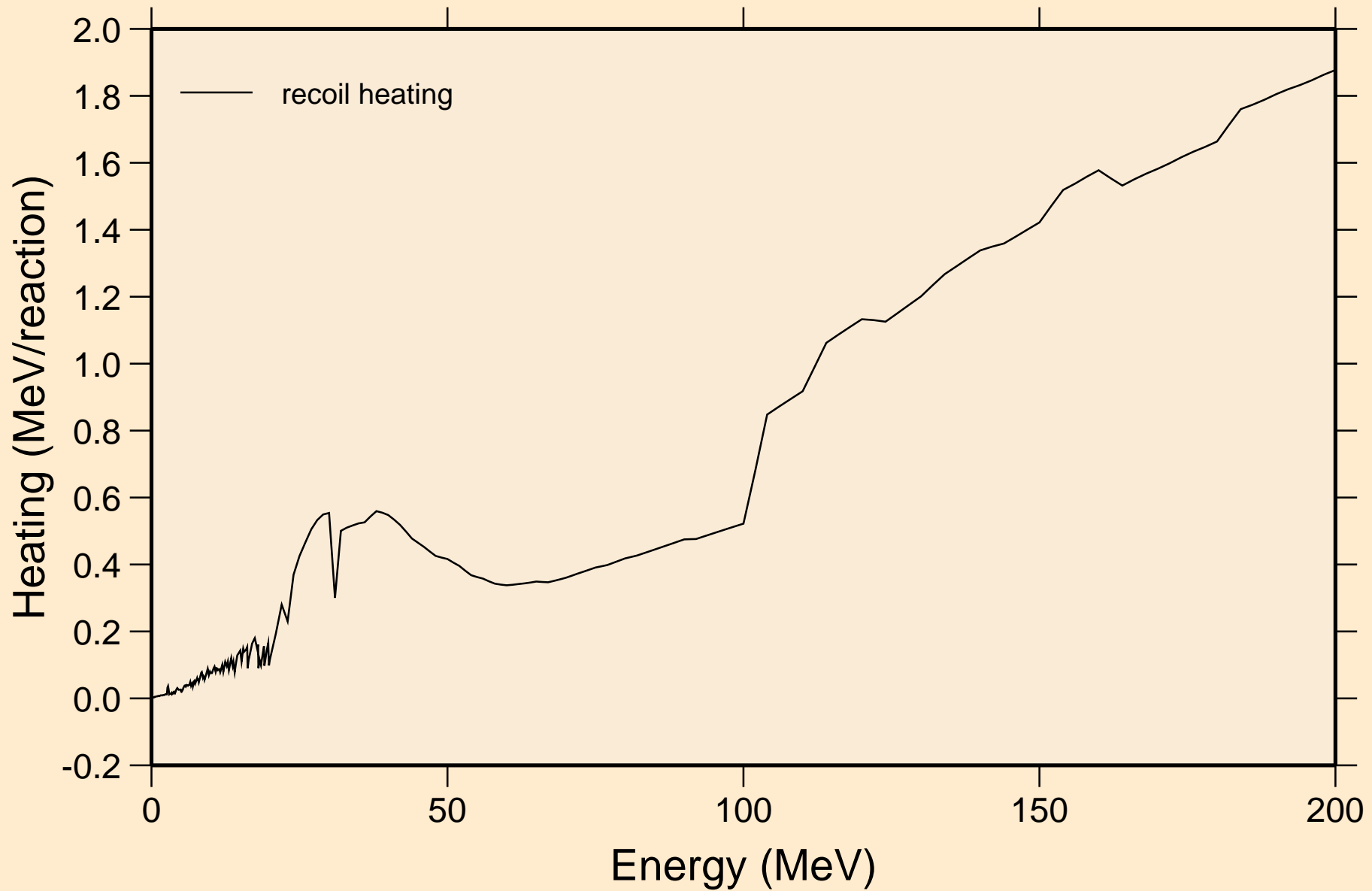
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## Particle heating contributions



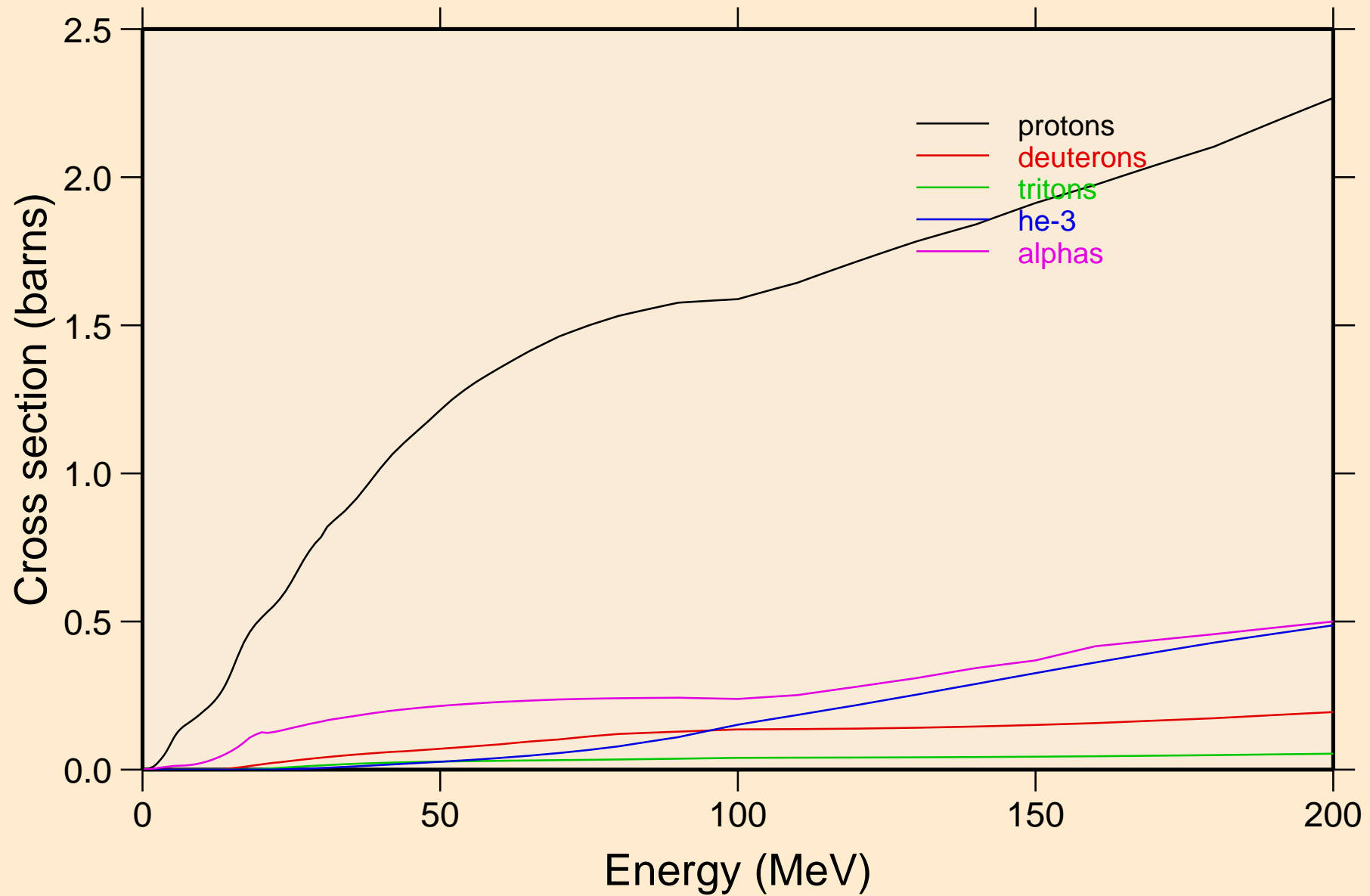
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## Recoil Heating

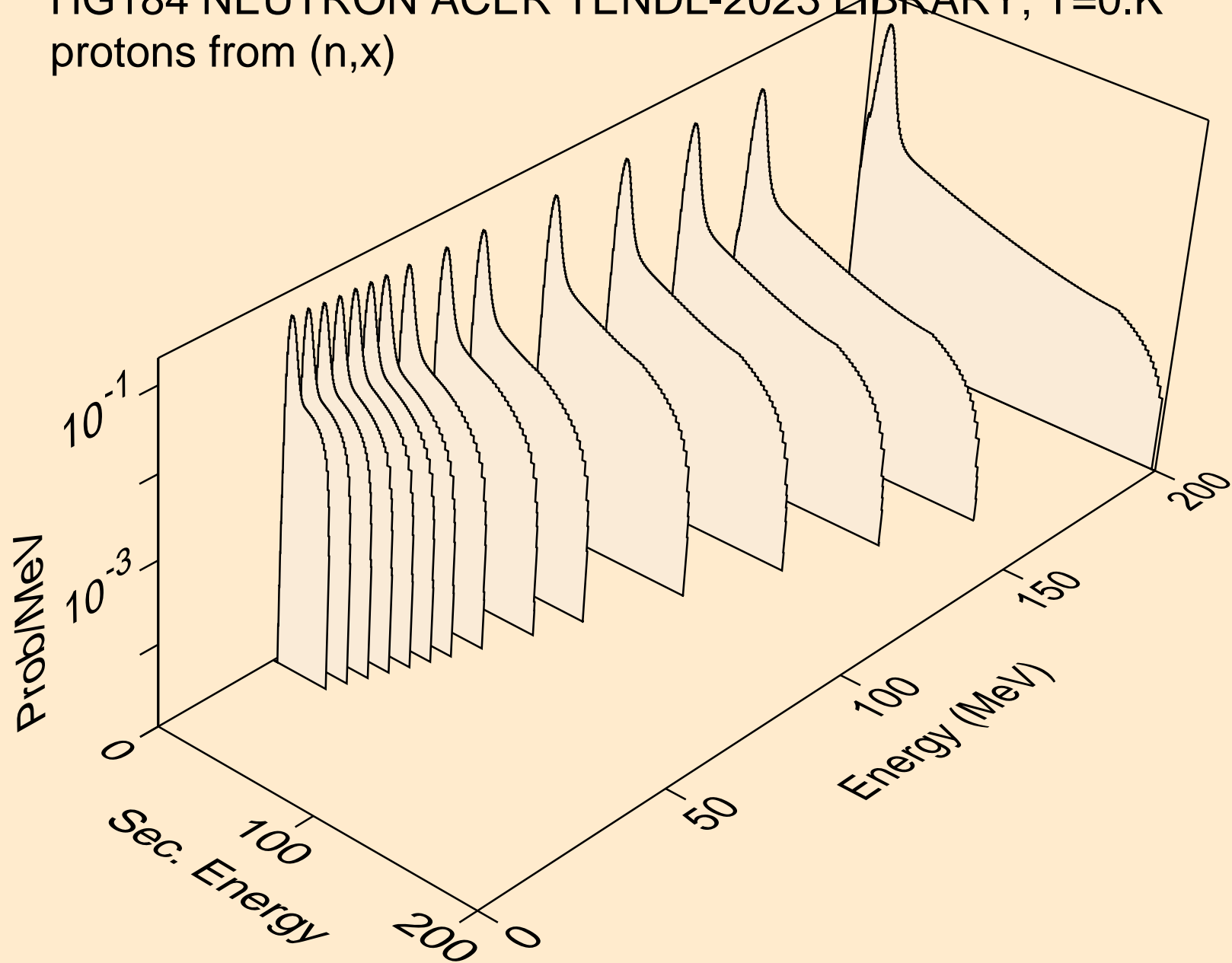


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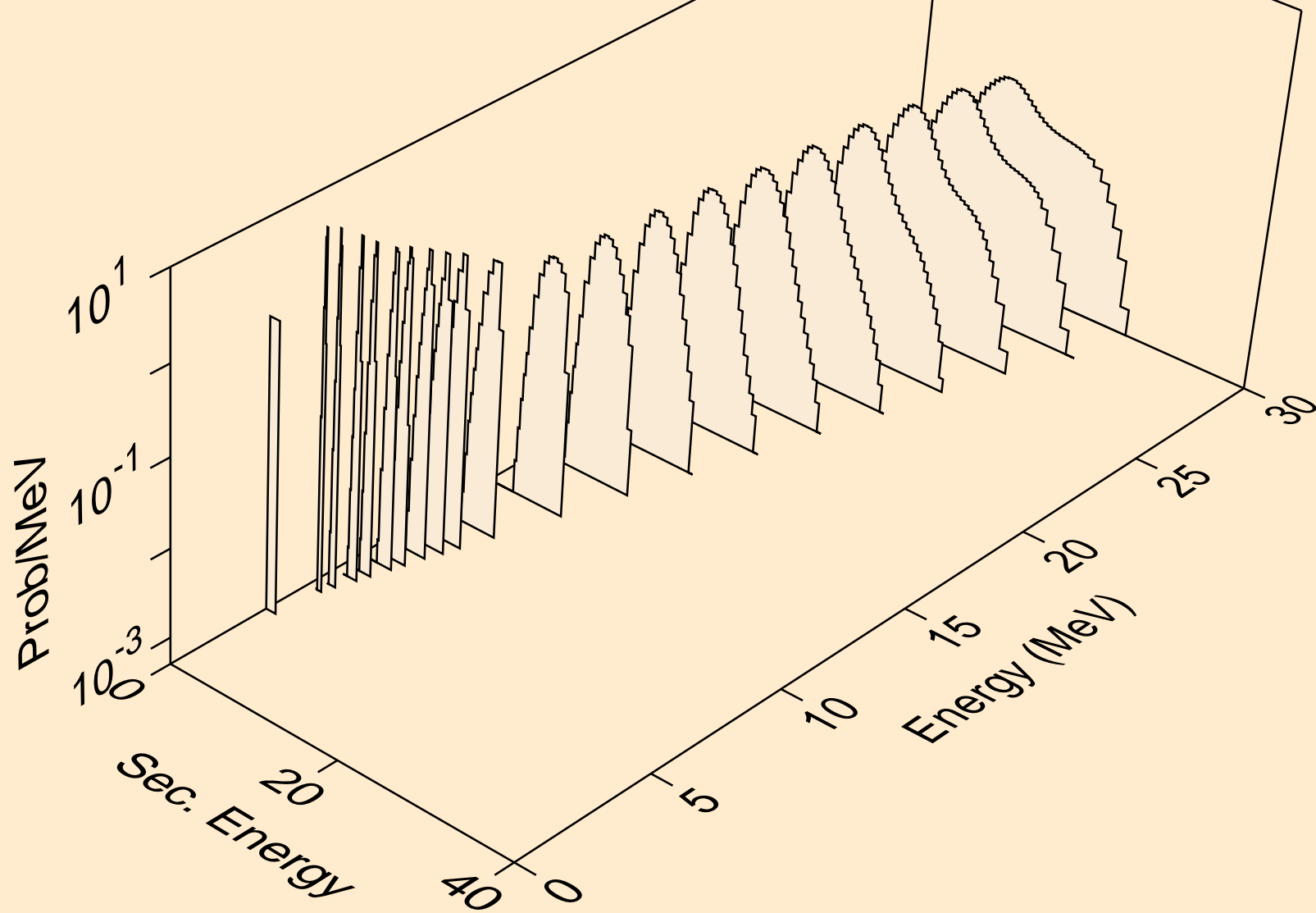
## Particle production cross sections



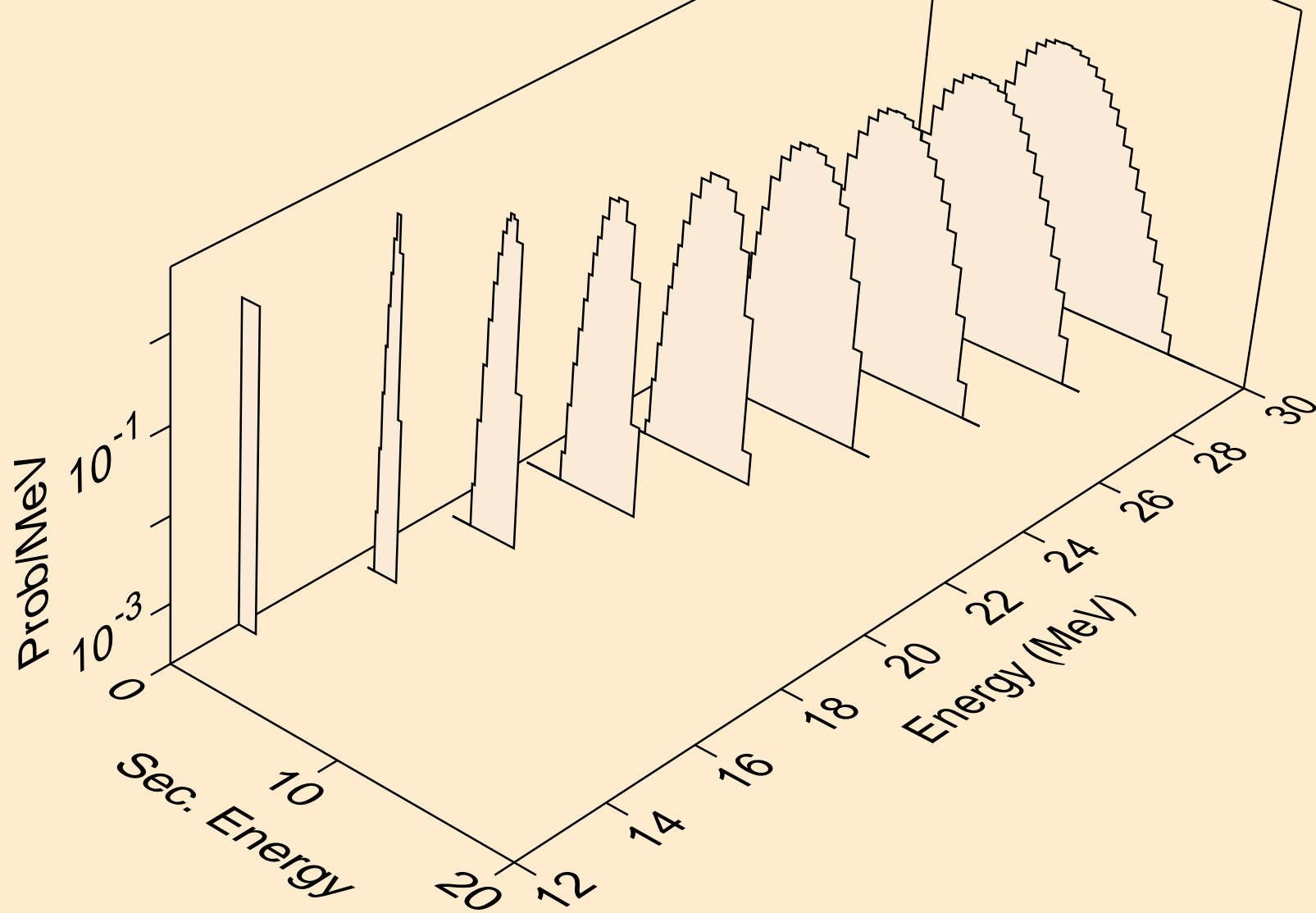
HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,x)



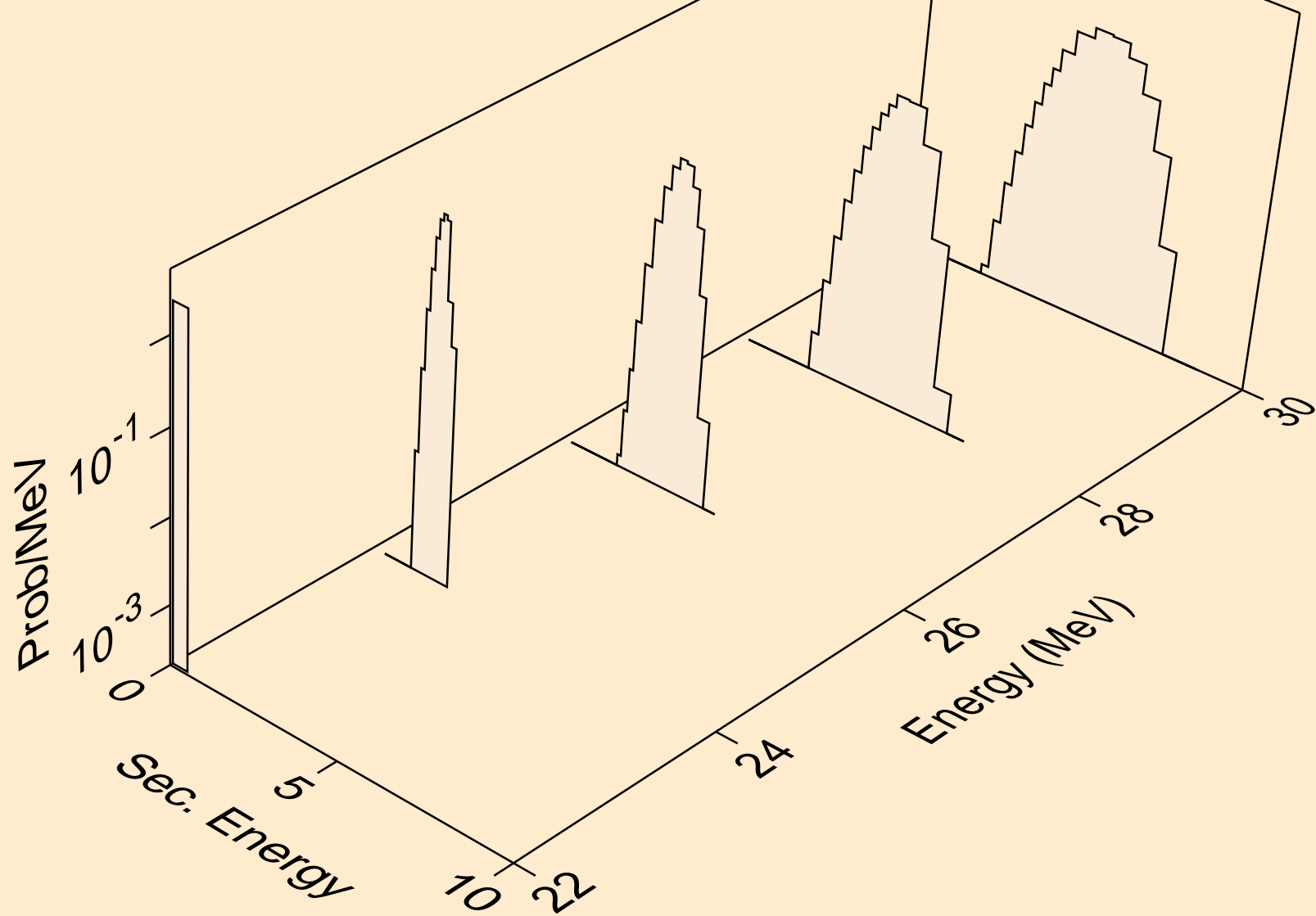
HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n\*)p



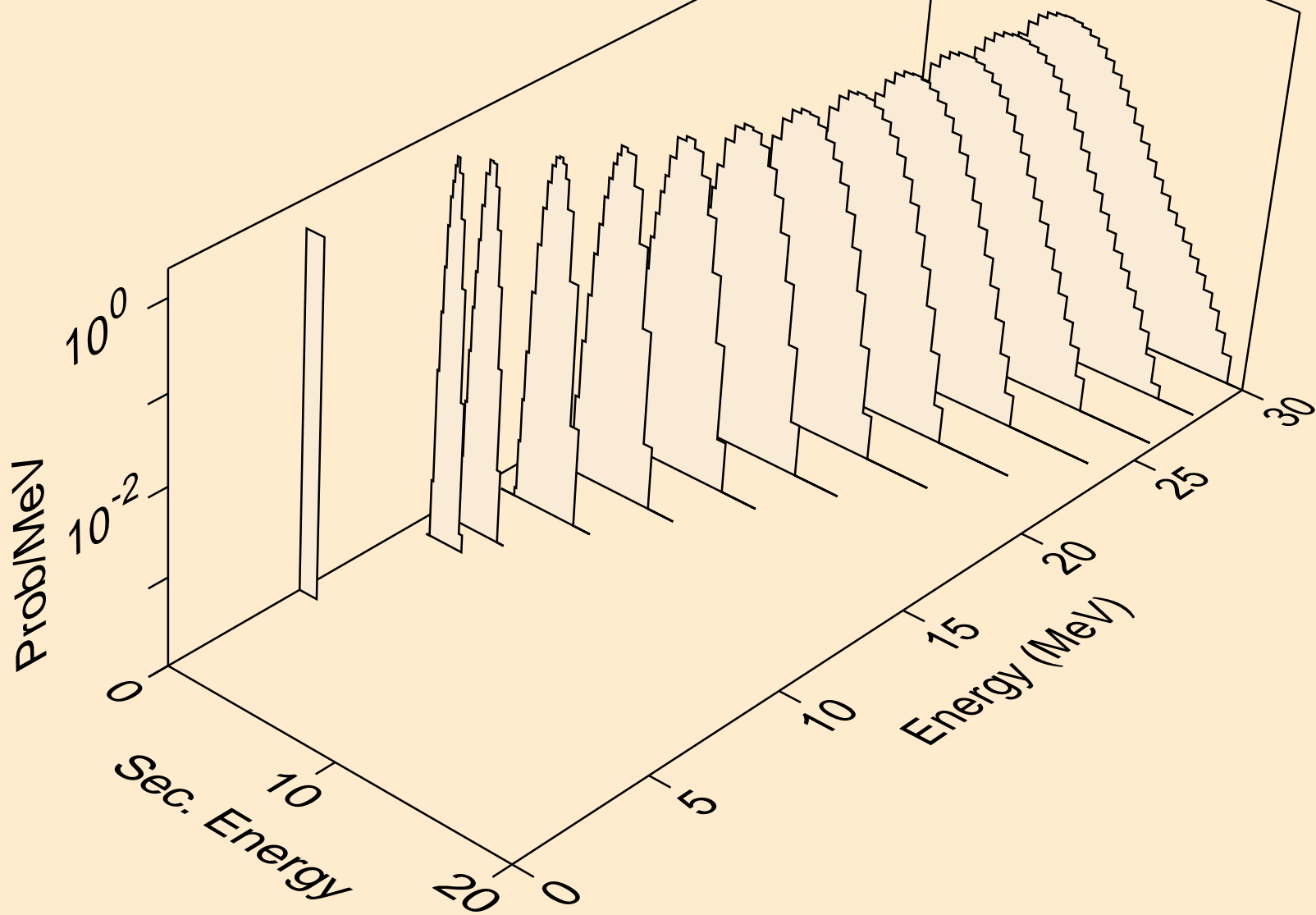
HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,2np)



HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,3np)

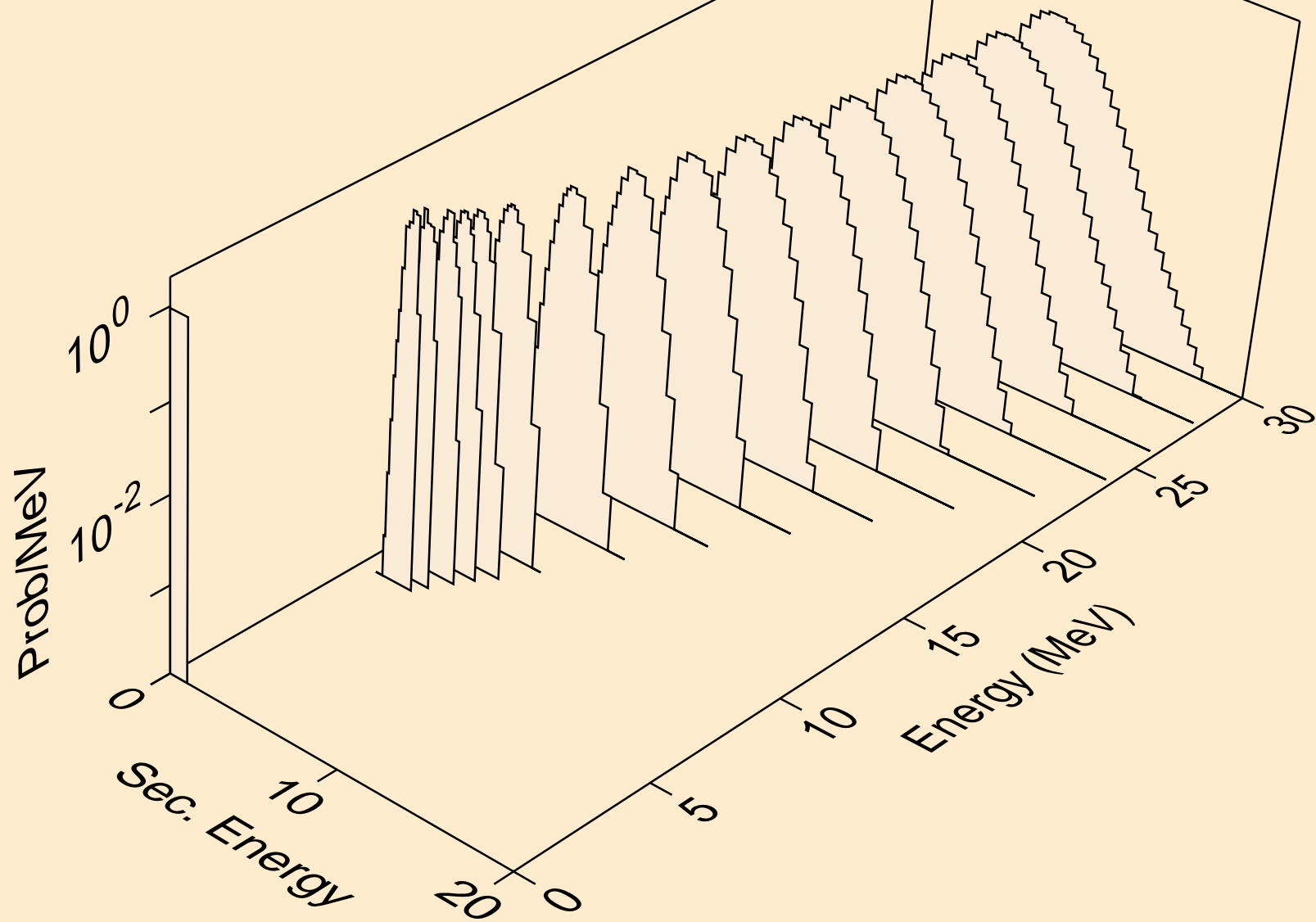


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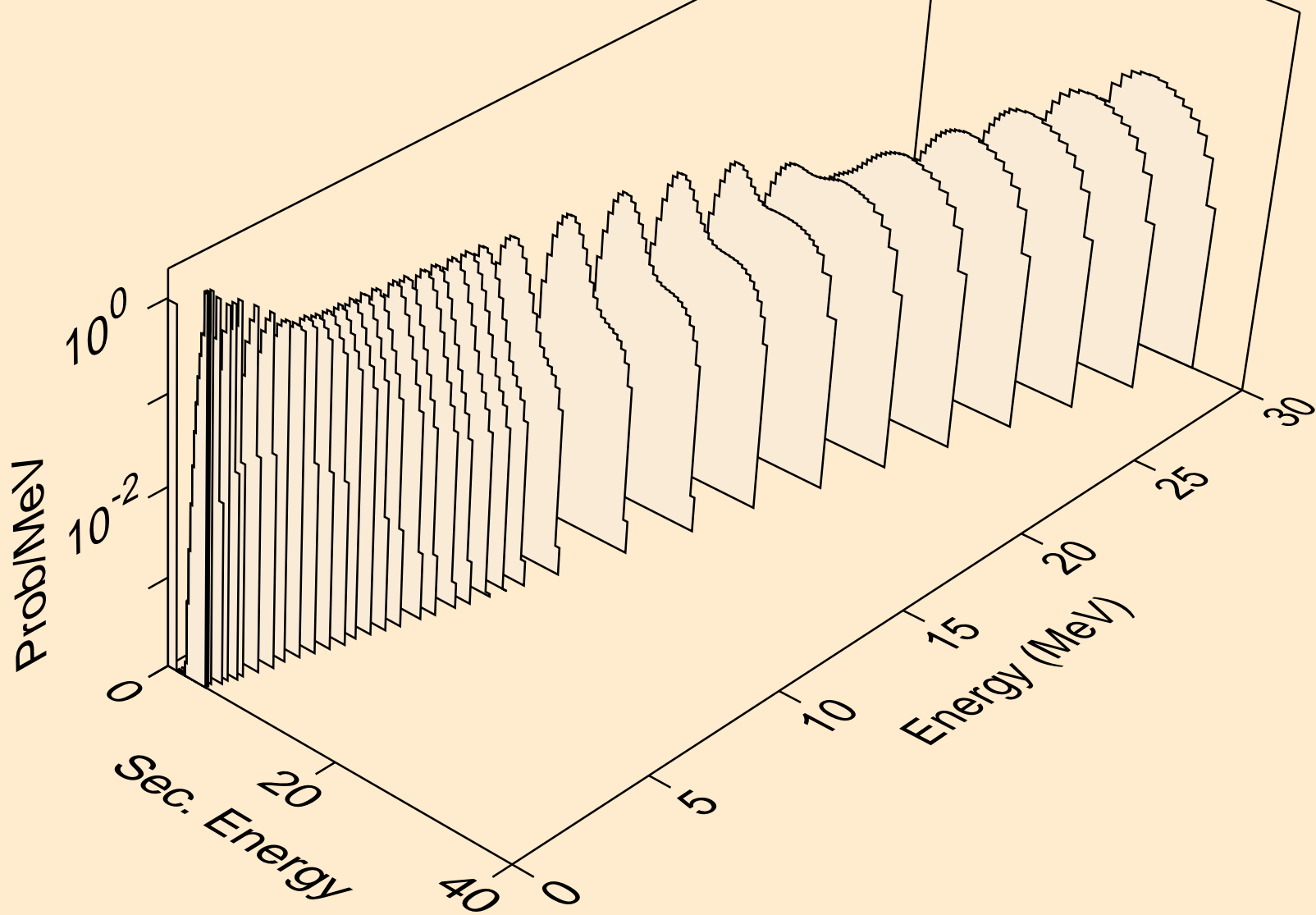




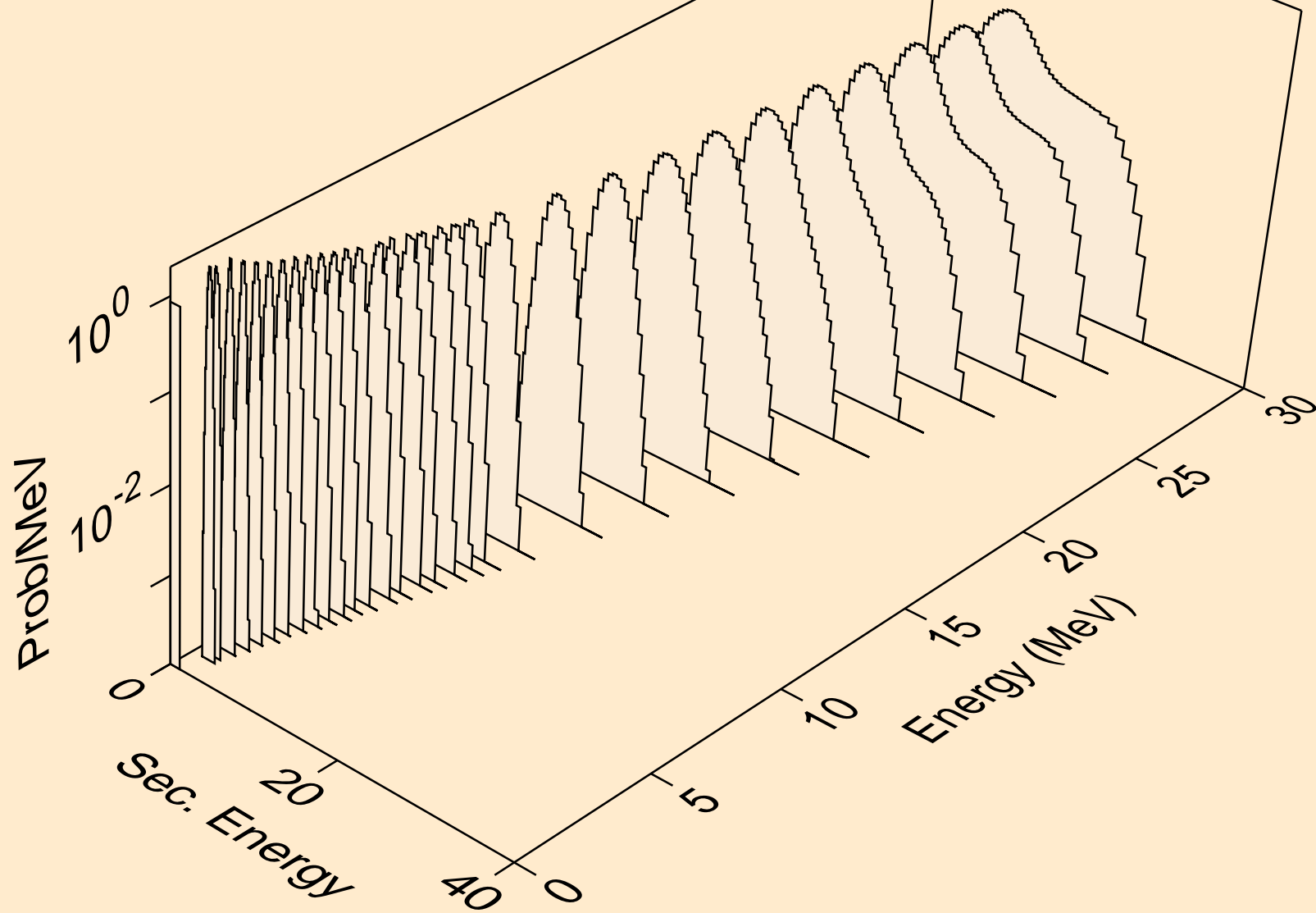
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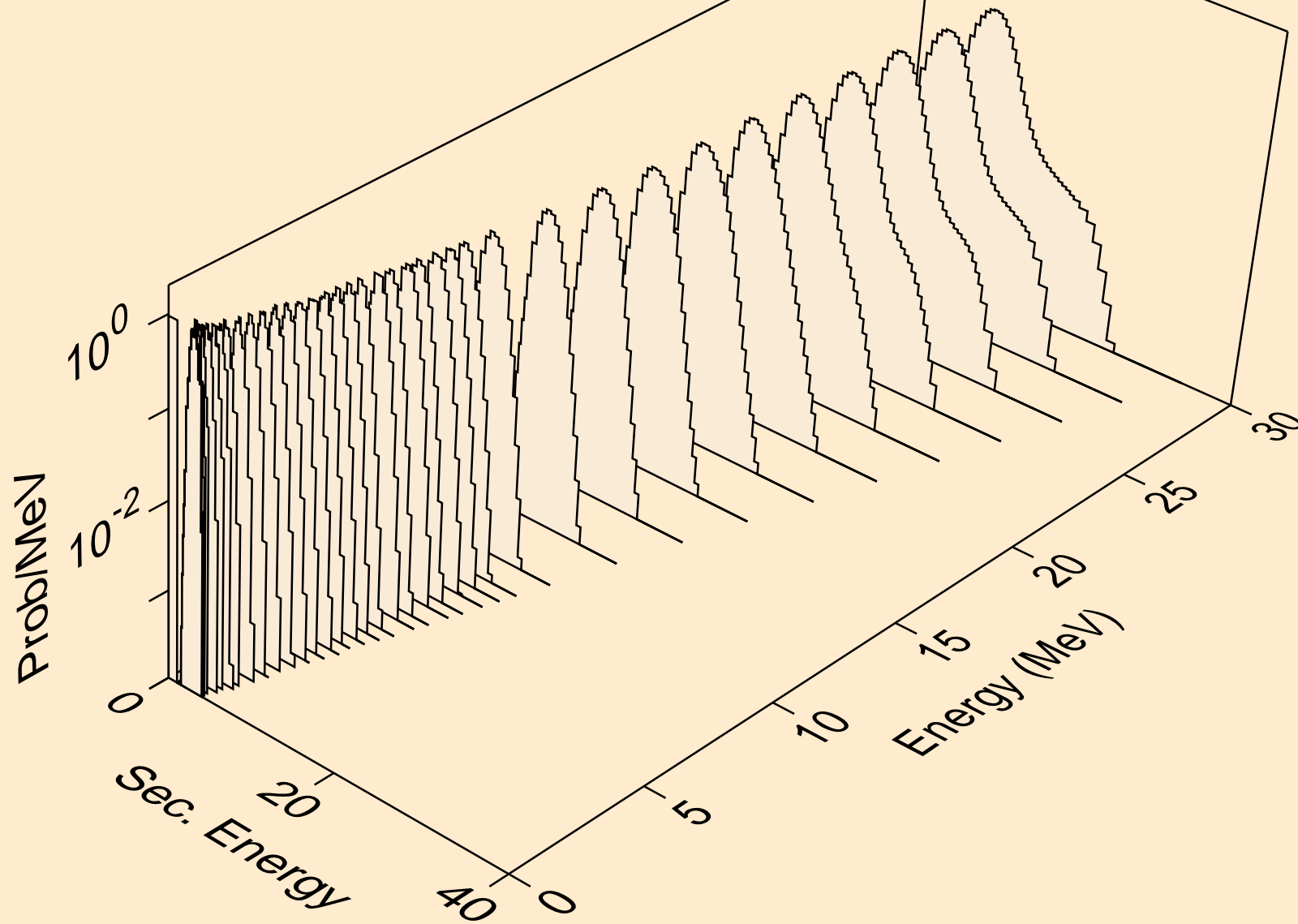
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protons from (n,p)



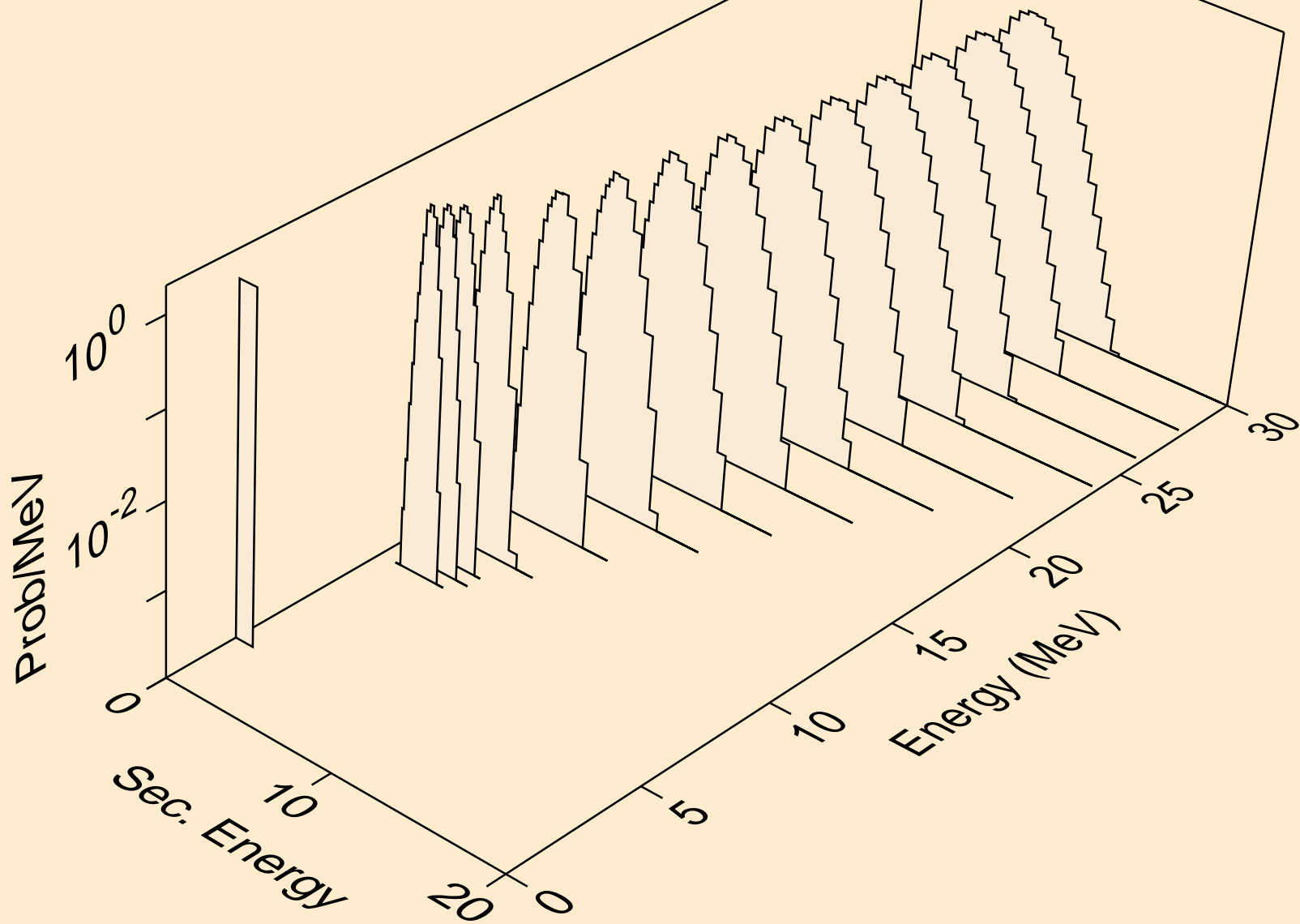
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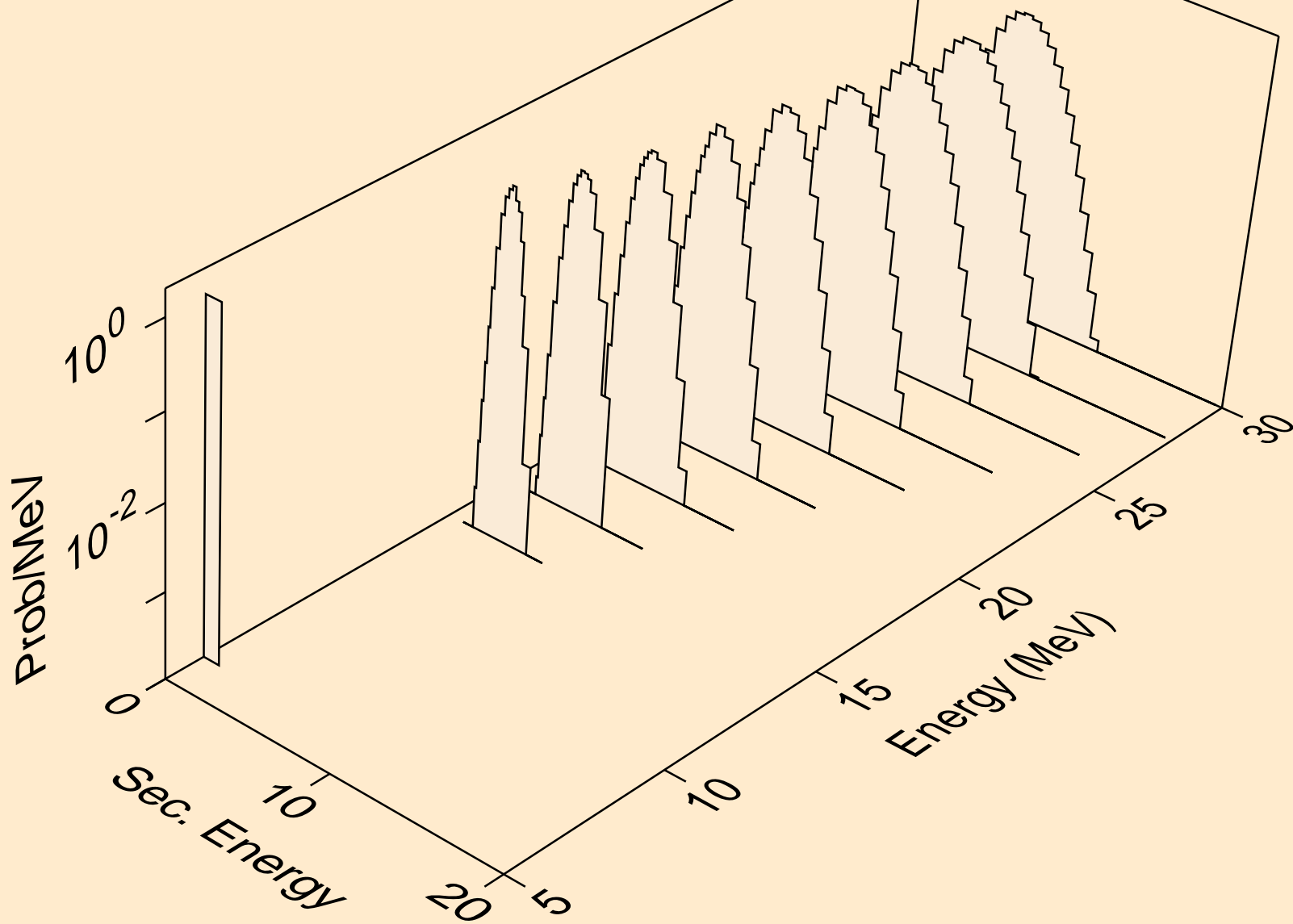
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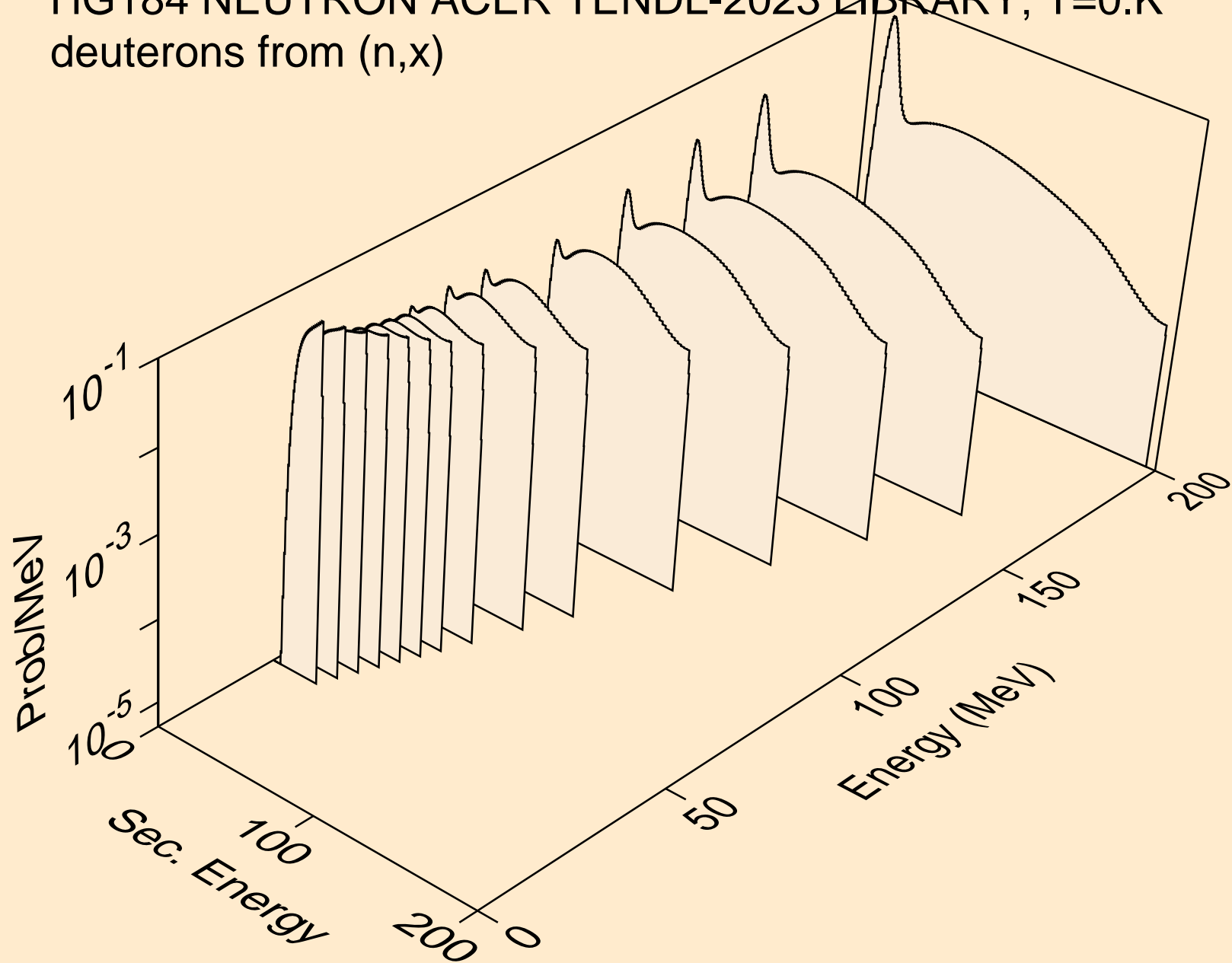
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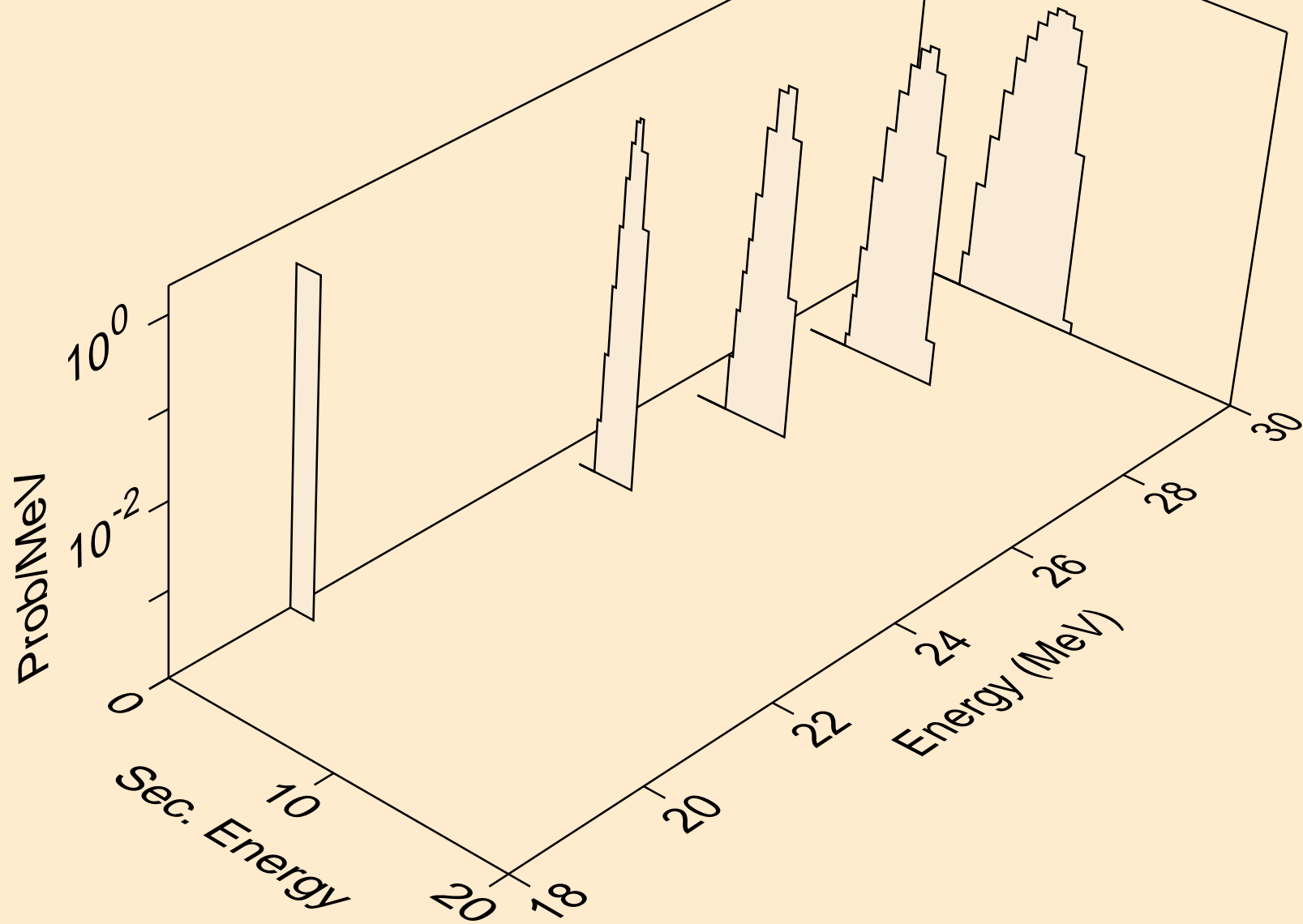
HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,pt)



HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,x)

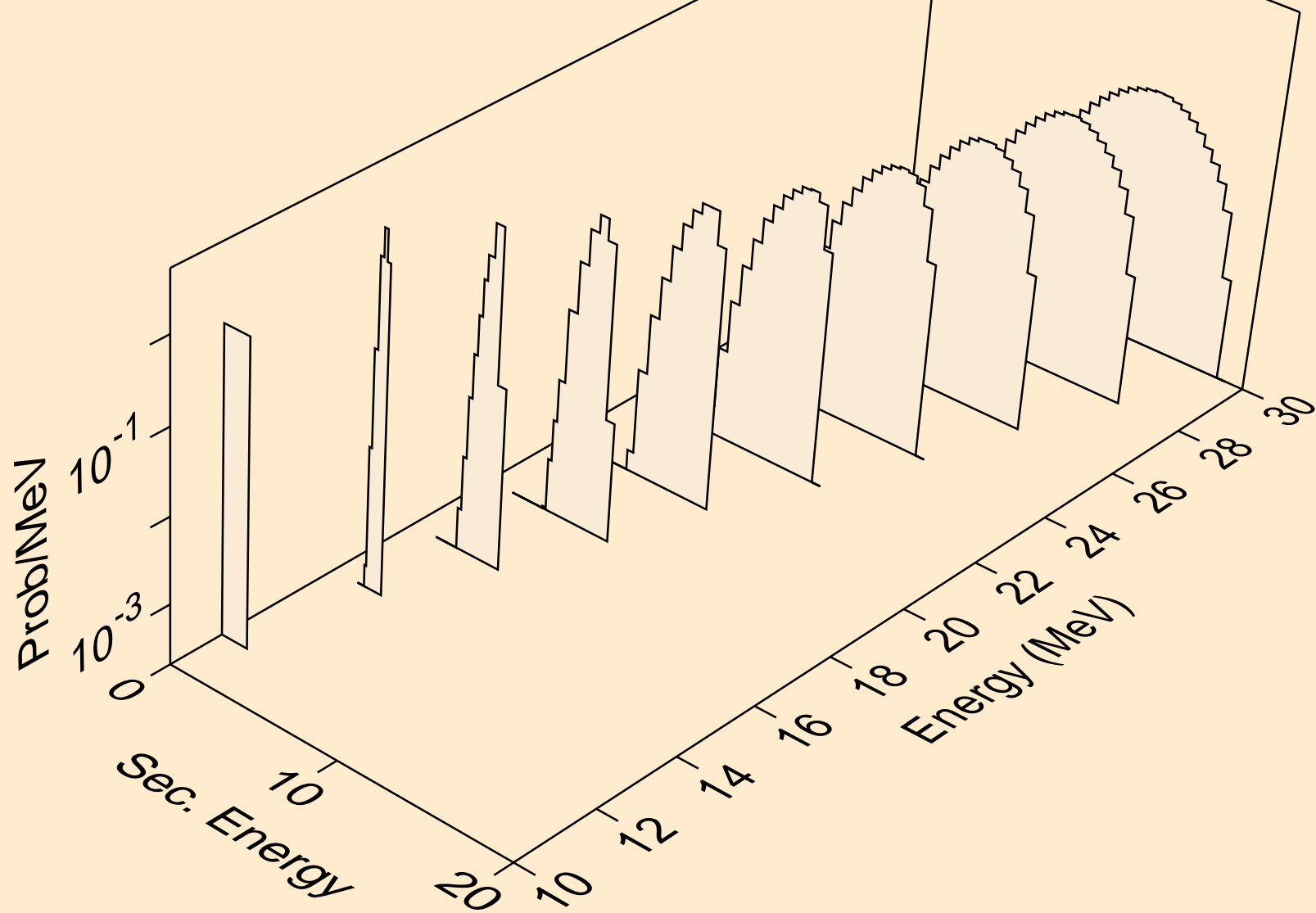


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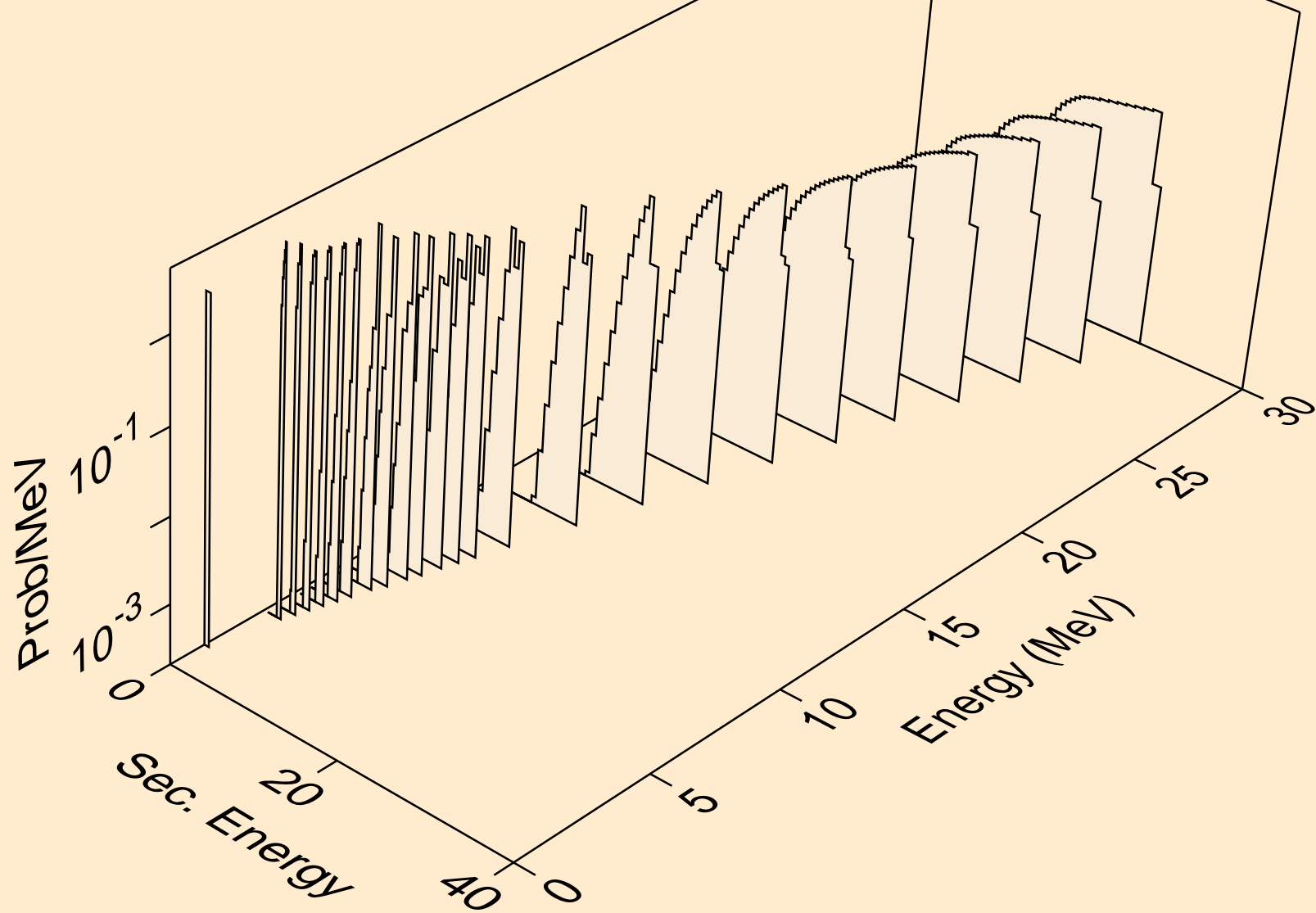




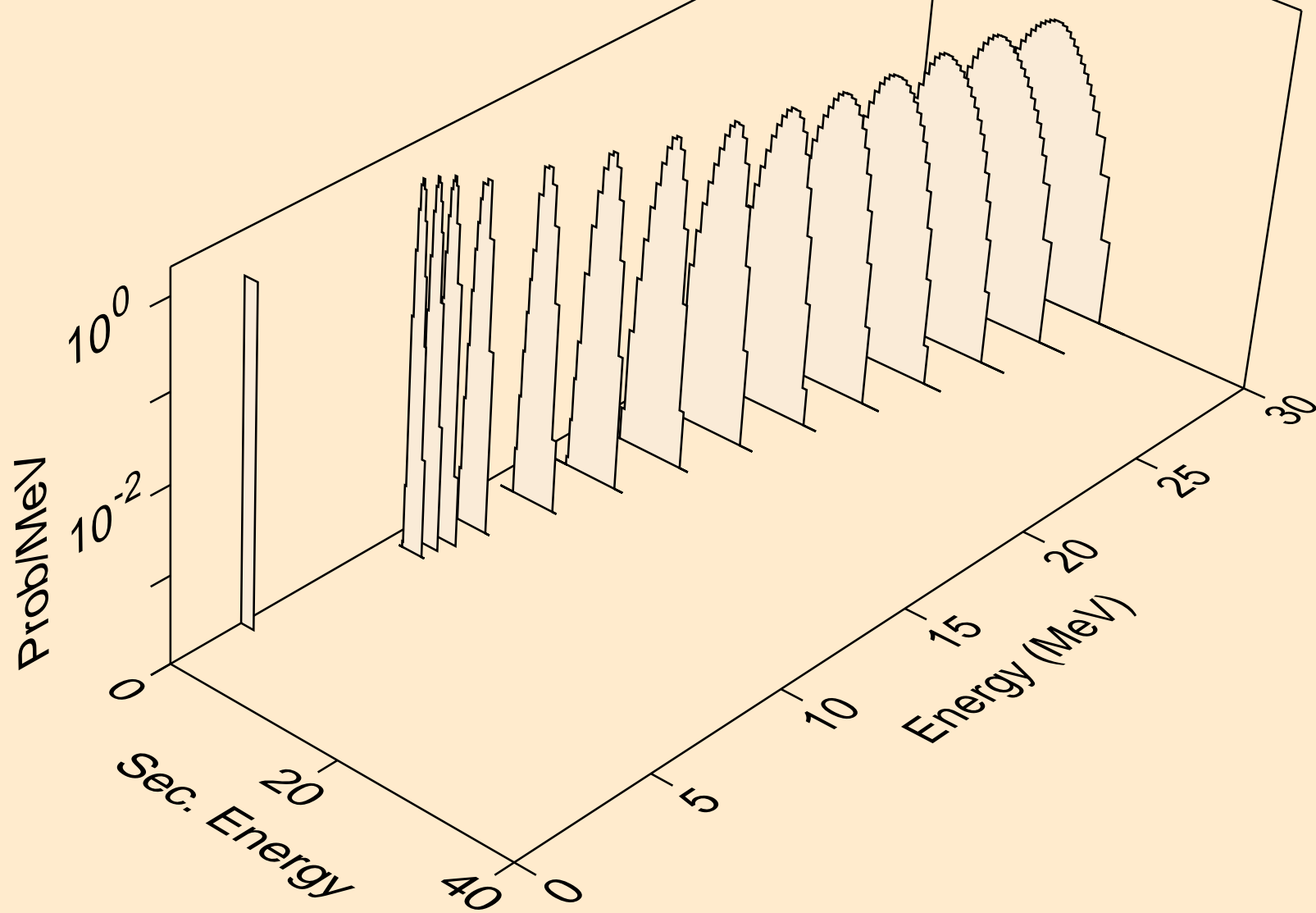
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deuterons from (n,n\*)d



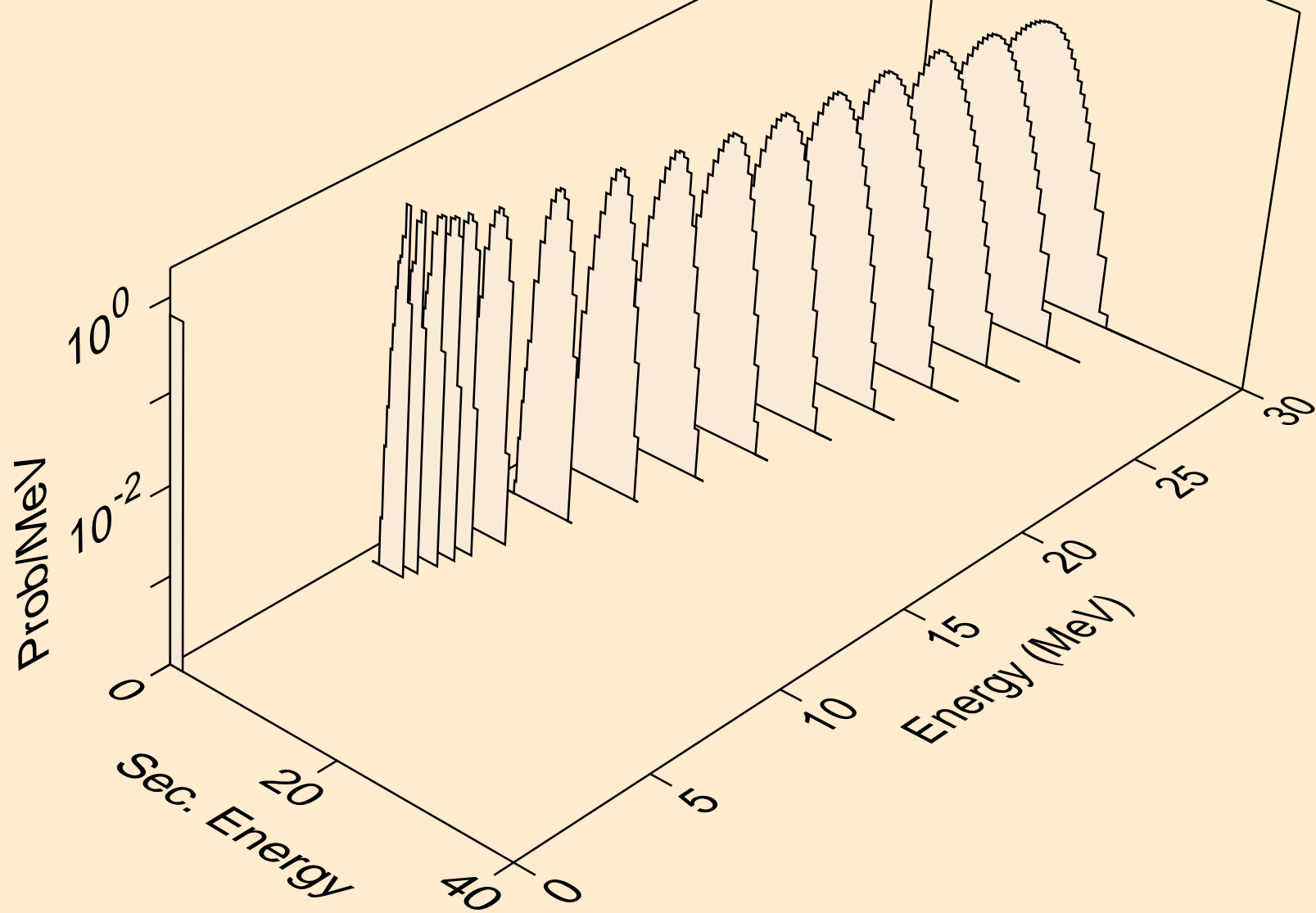
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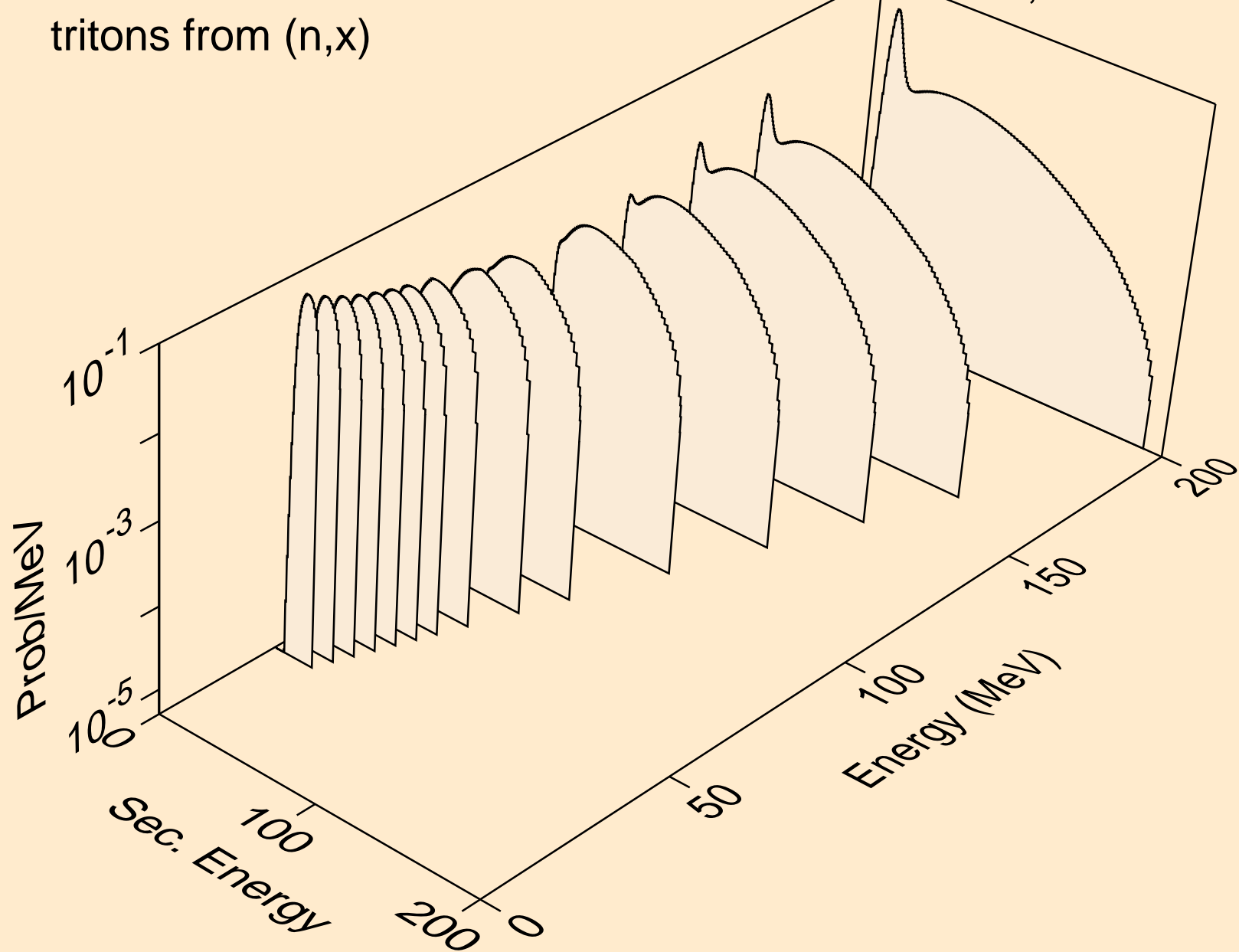
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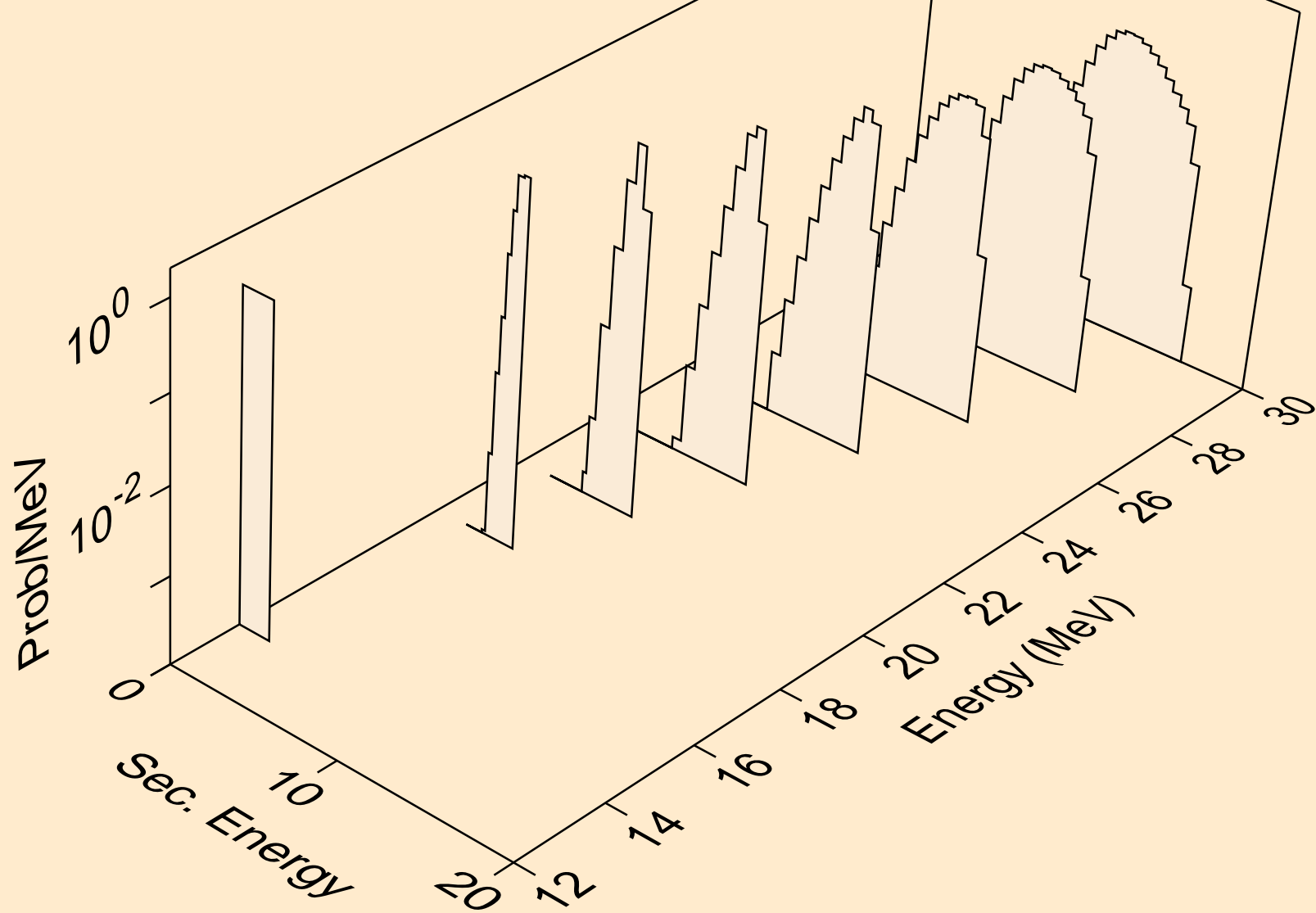
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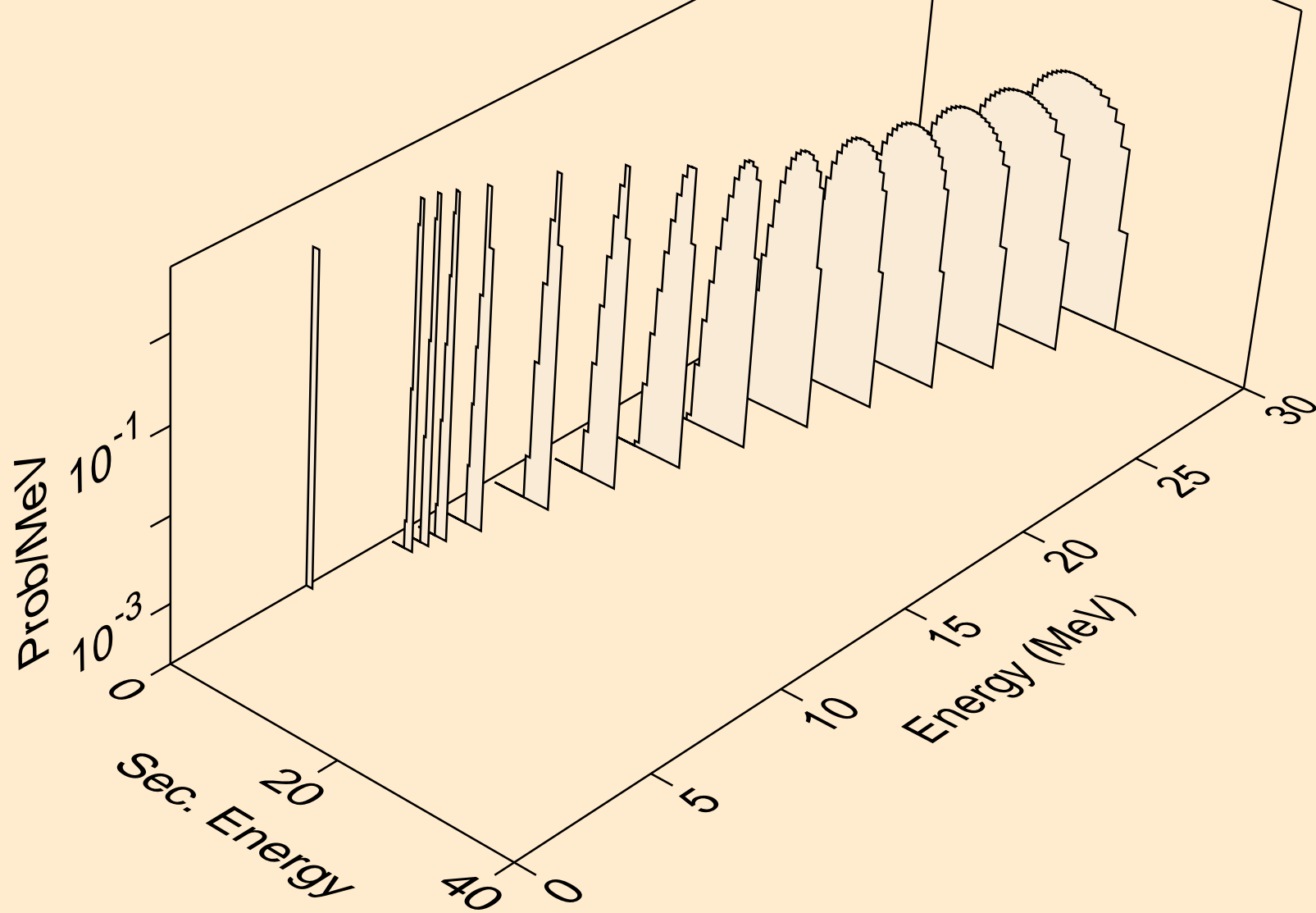
HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,x)



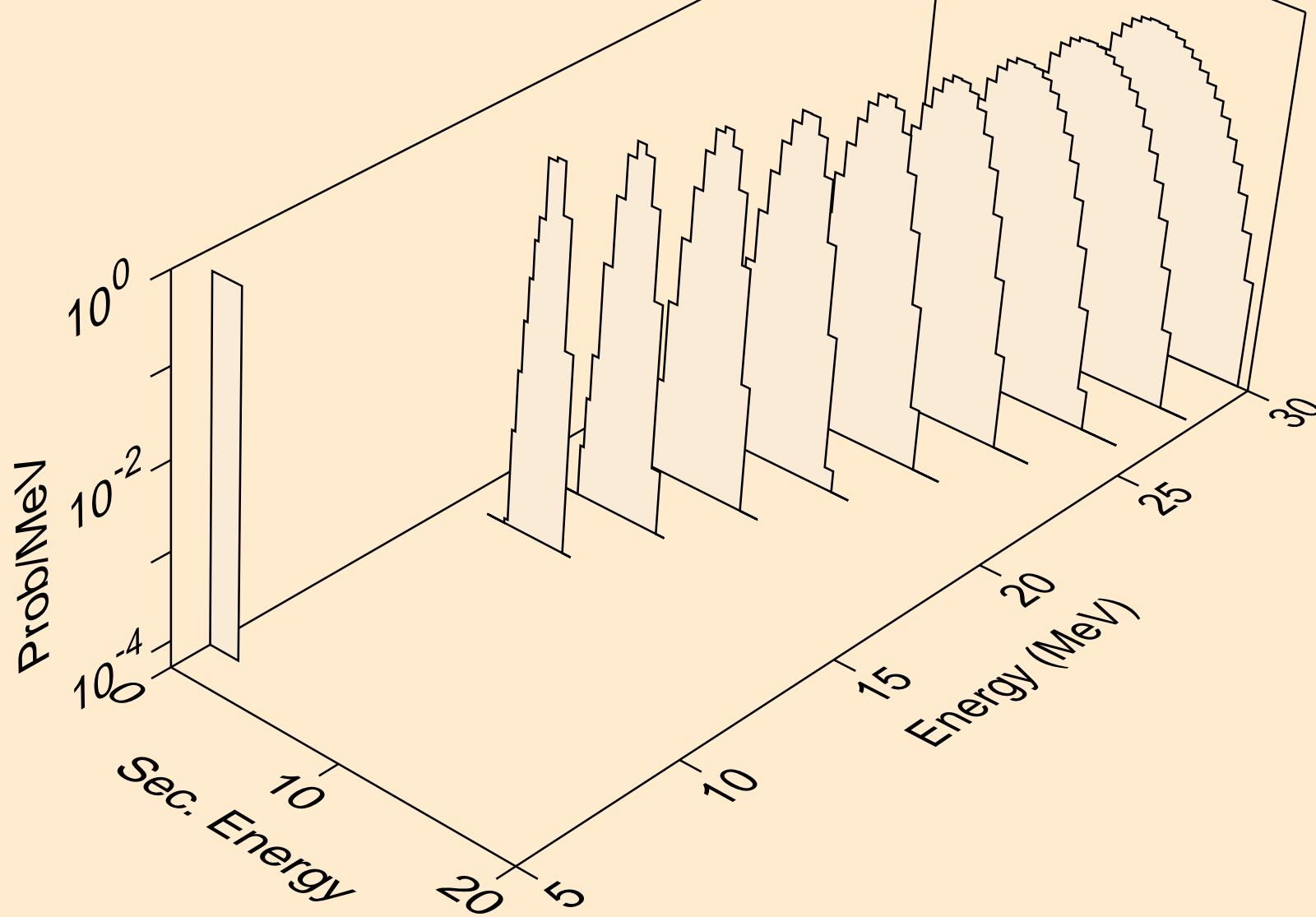
HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,n\*)t



HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,t)

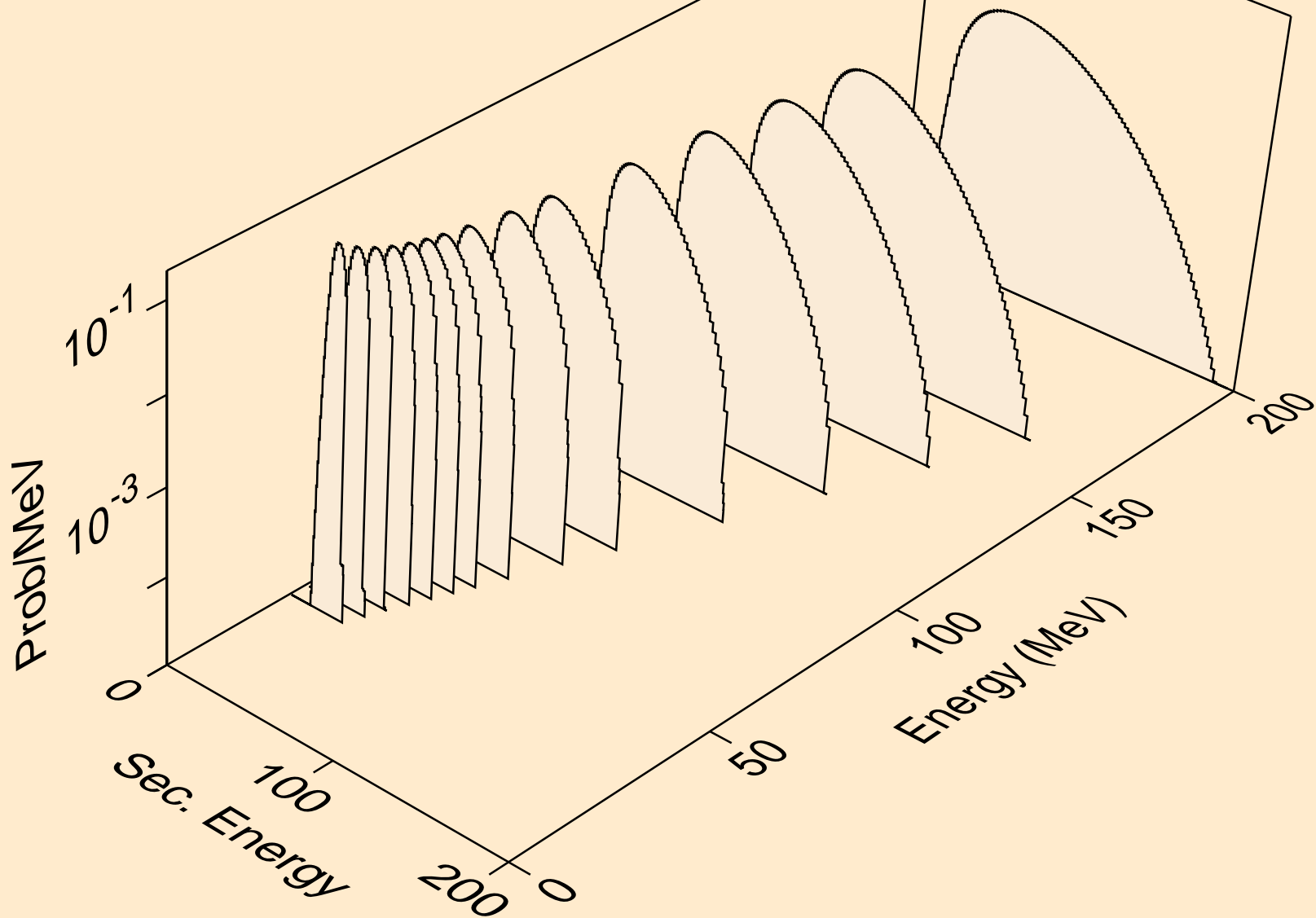


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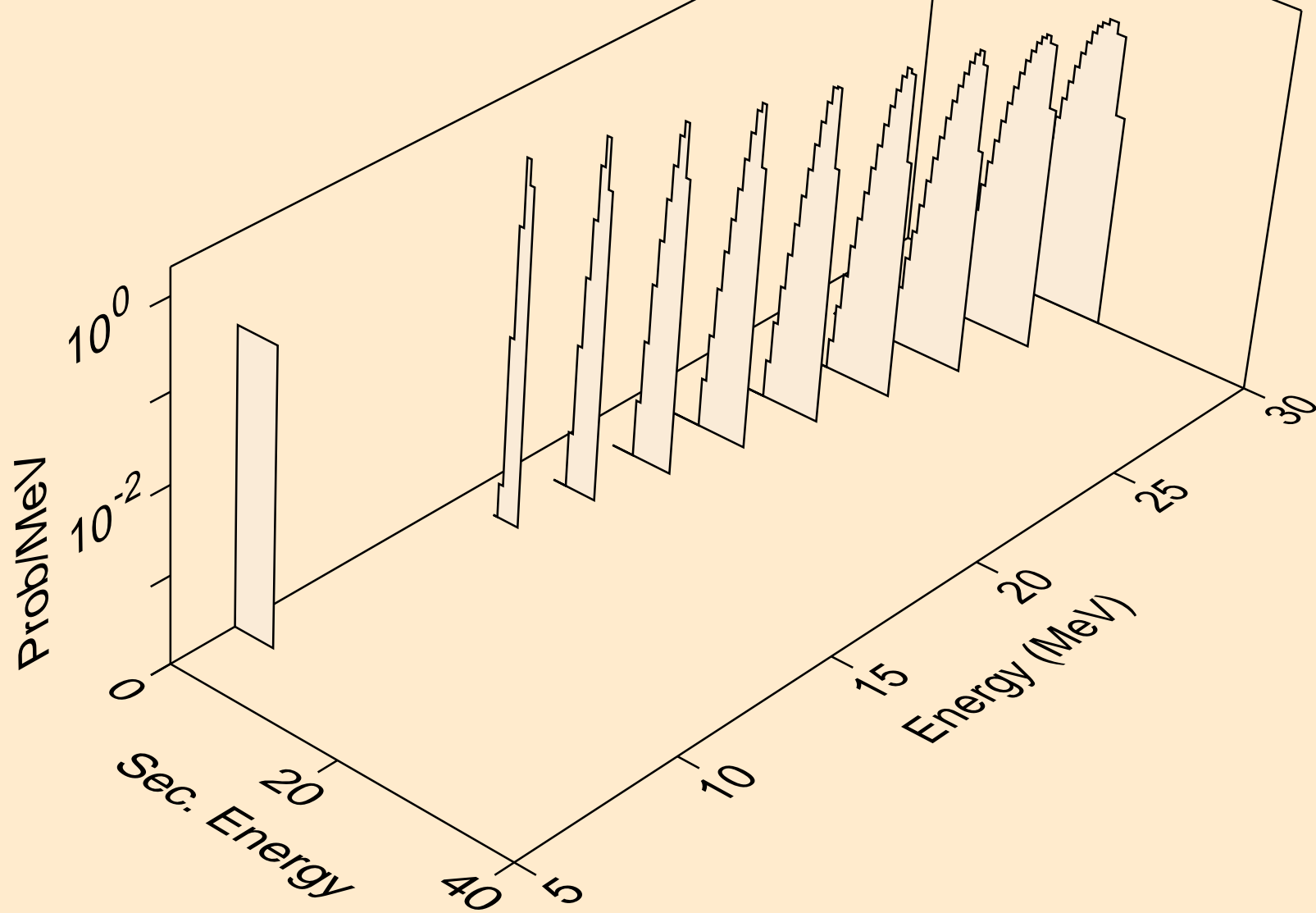




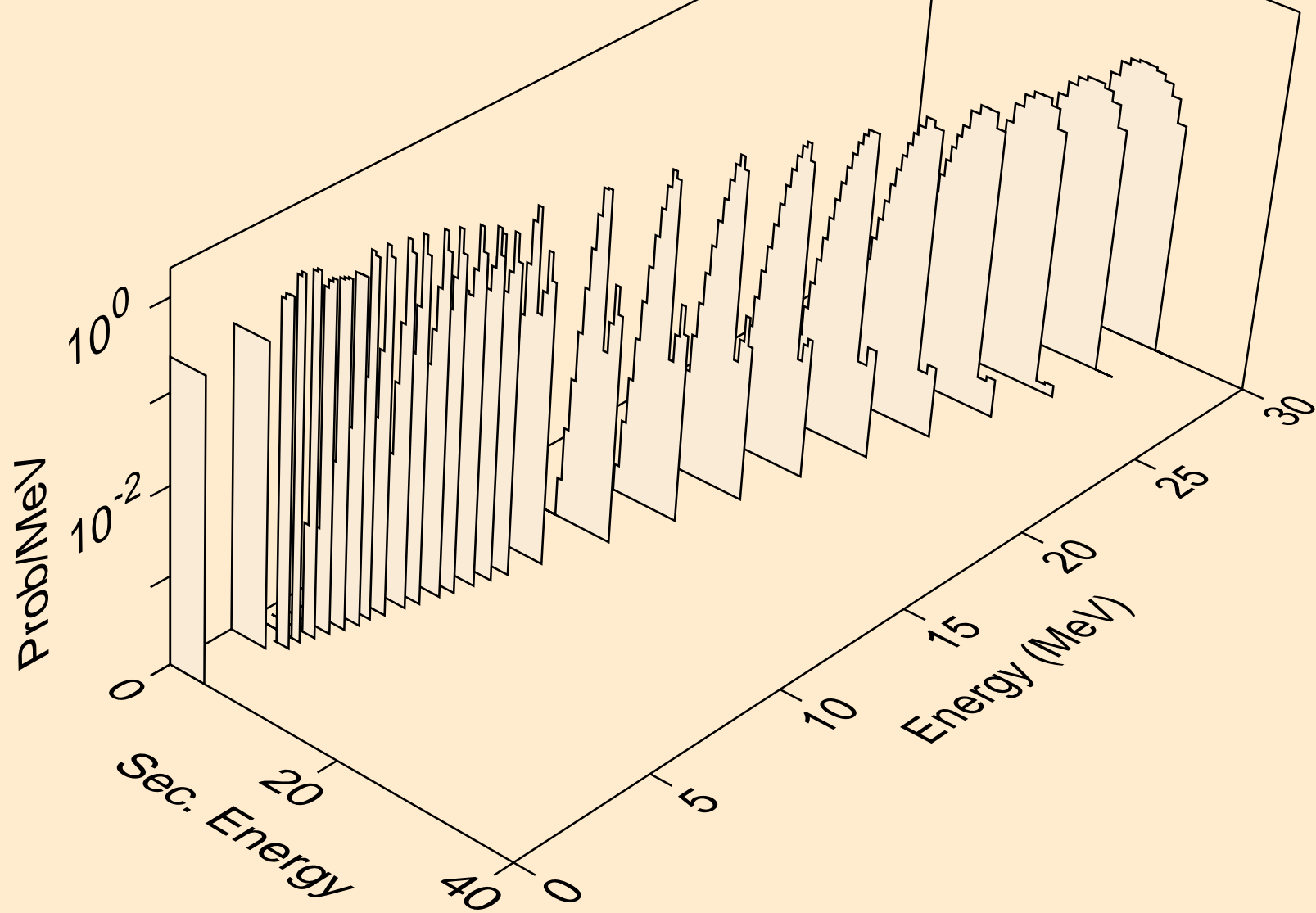
HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,x)



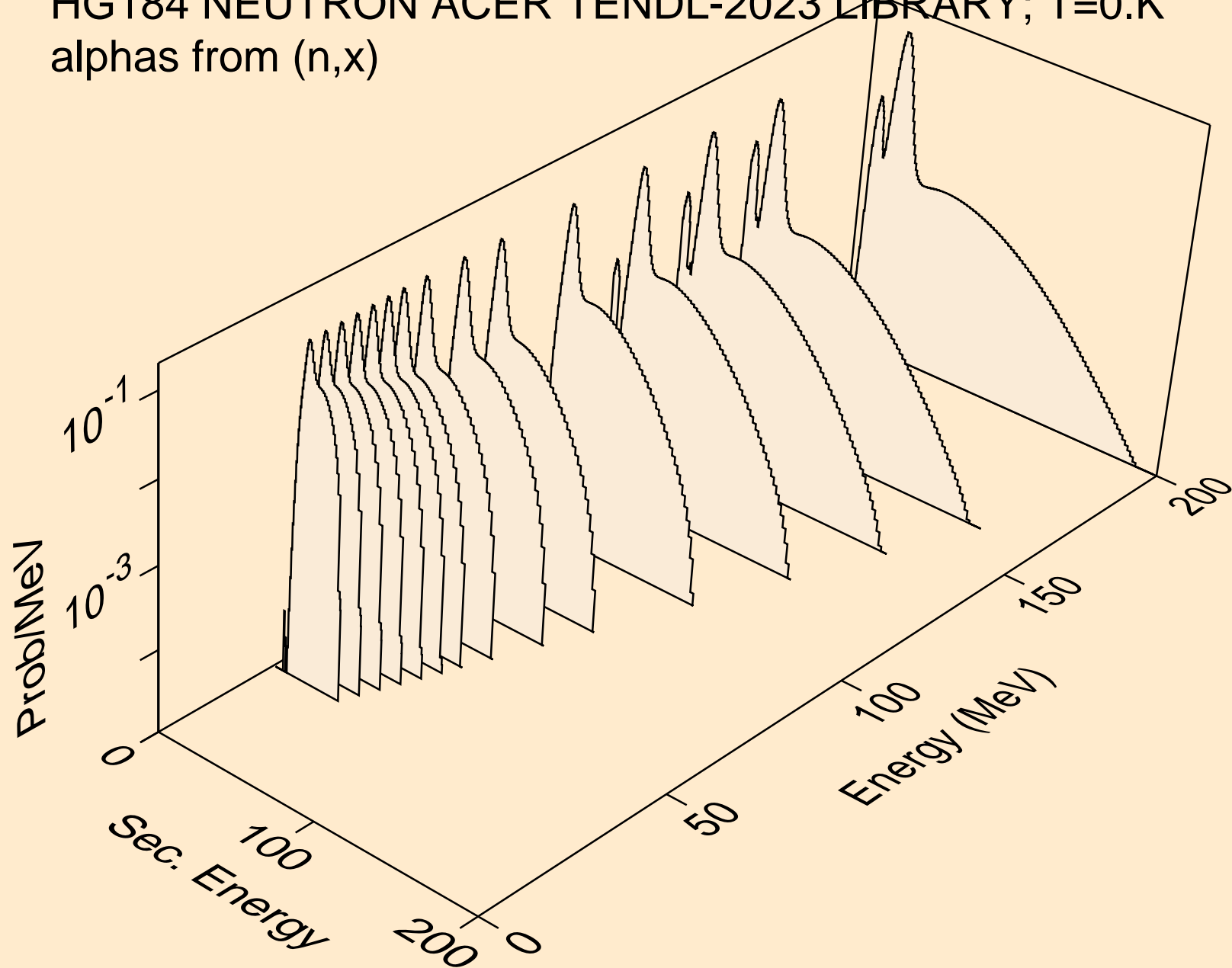
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he3s from (n,n\*)he3



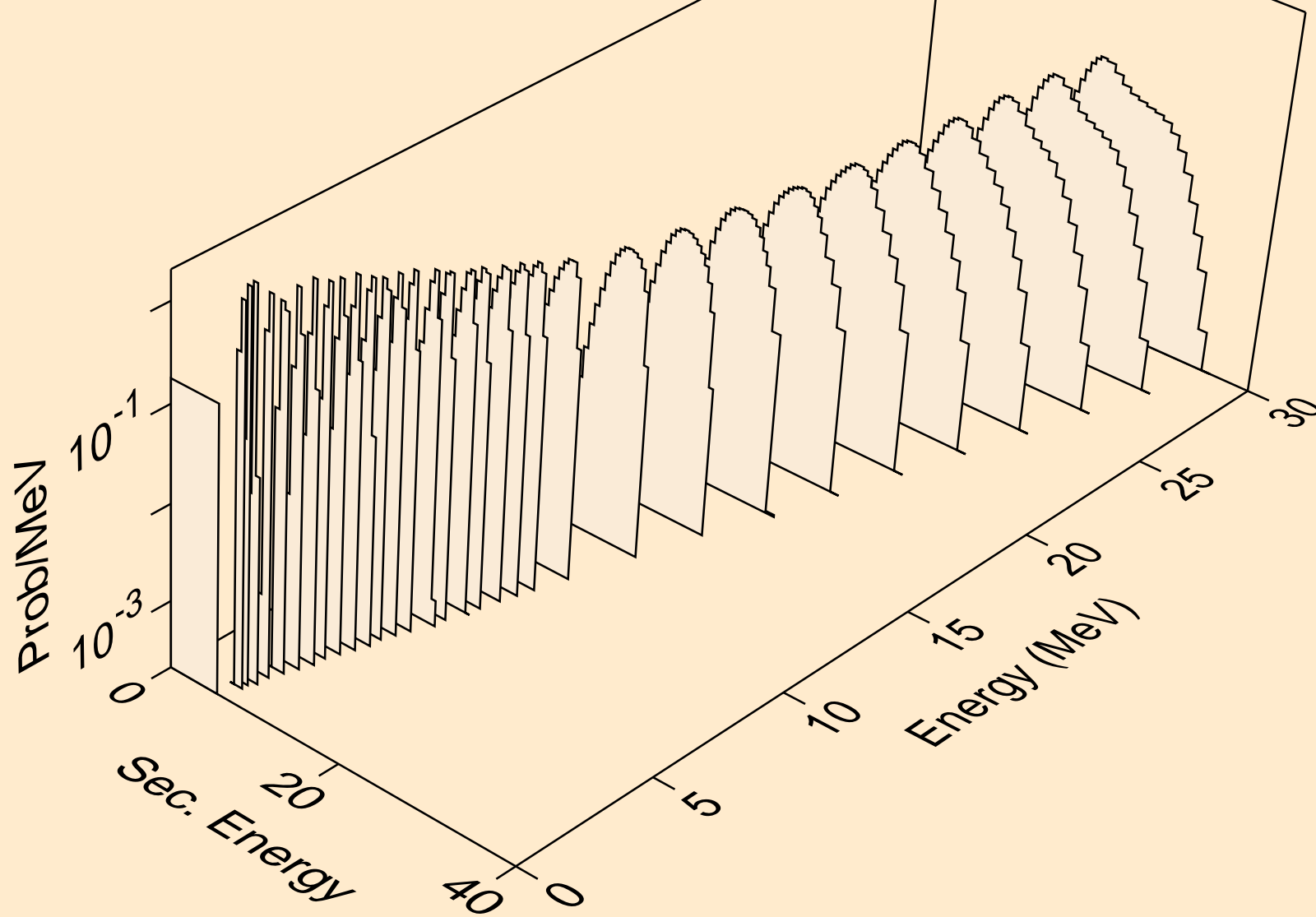
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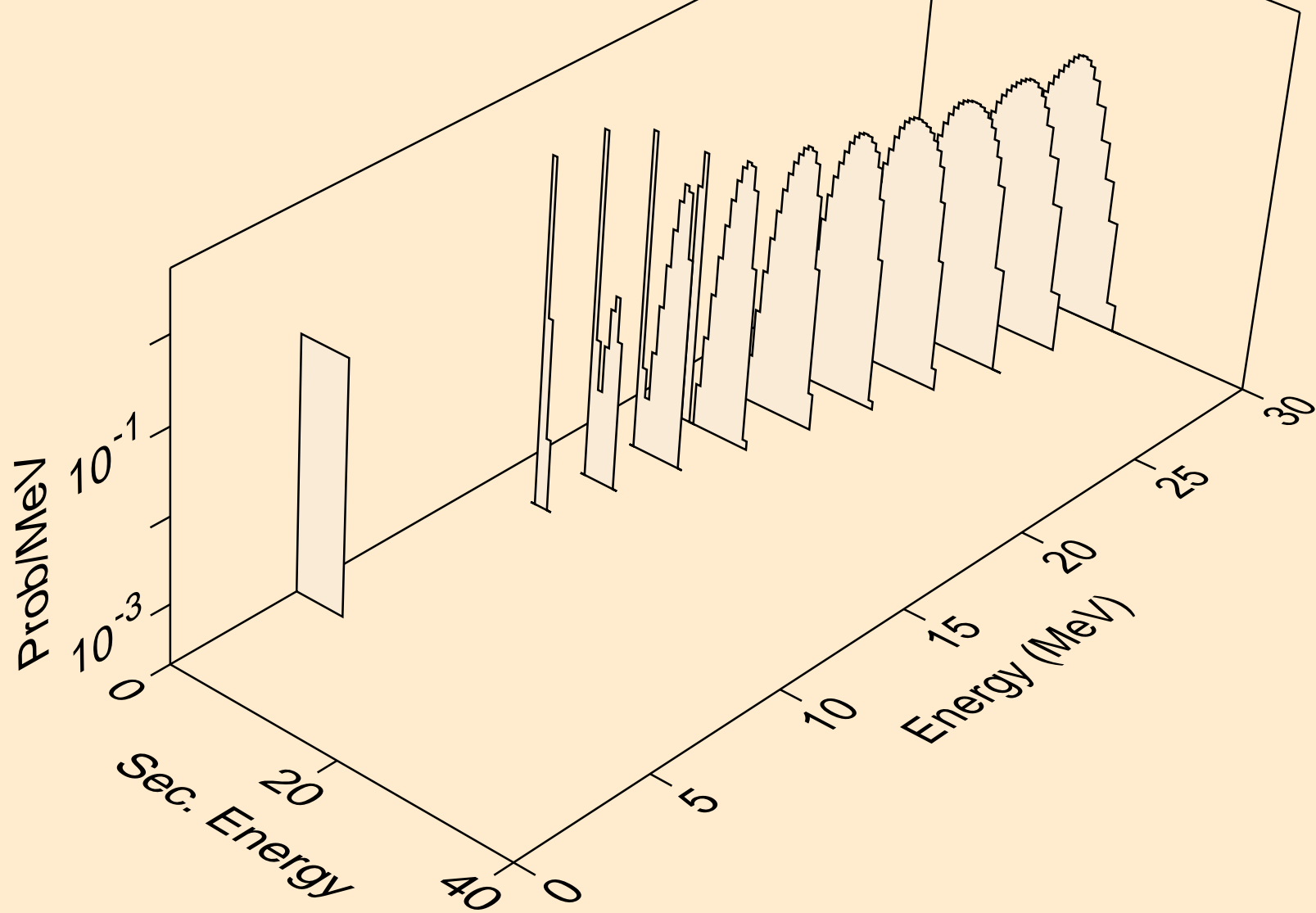
HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,x)



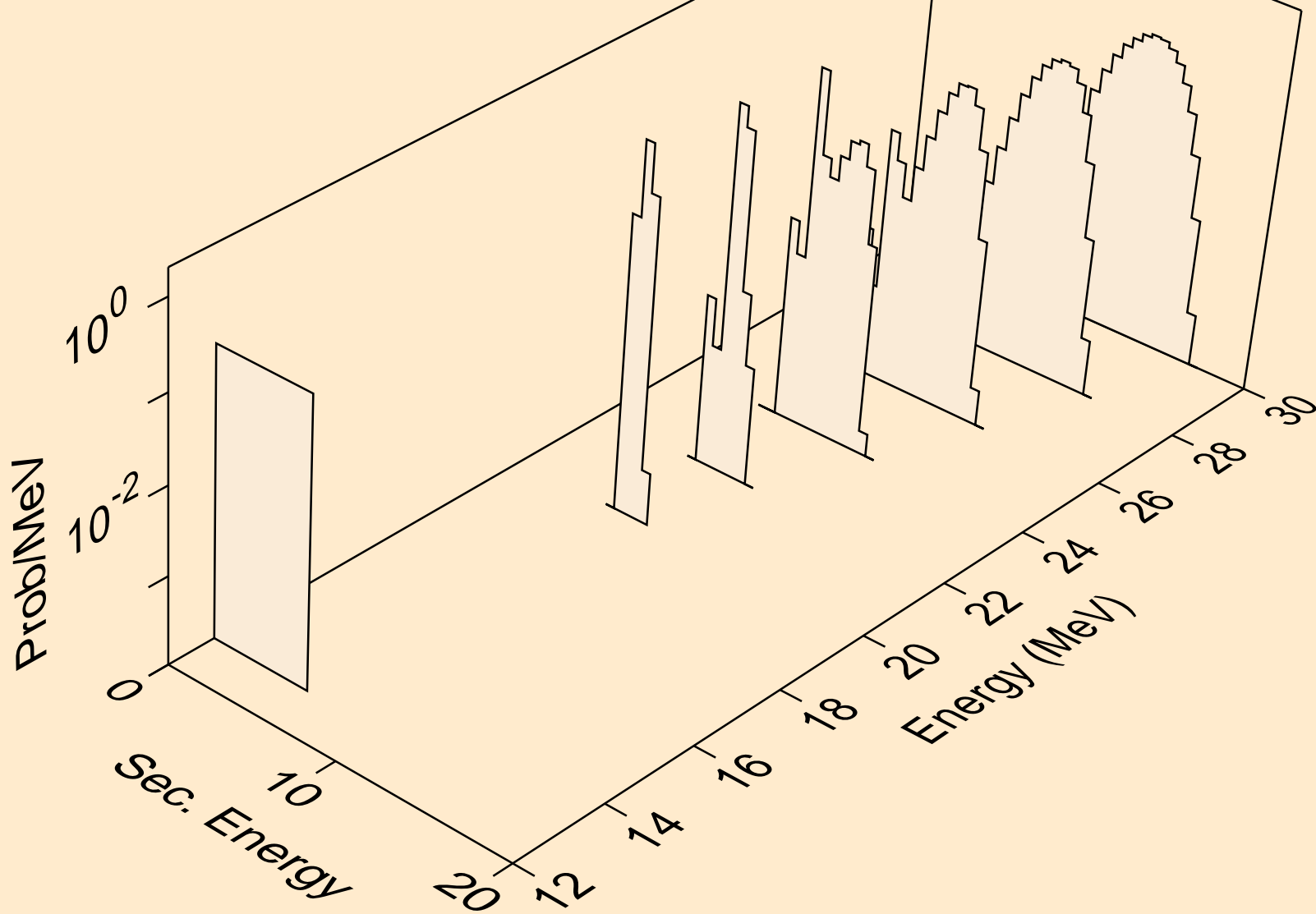
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alphas from (n,n\*)a



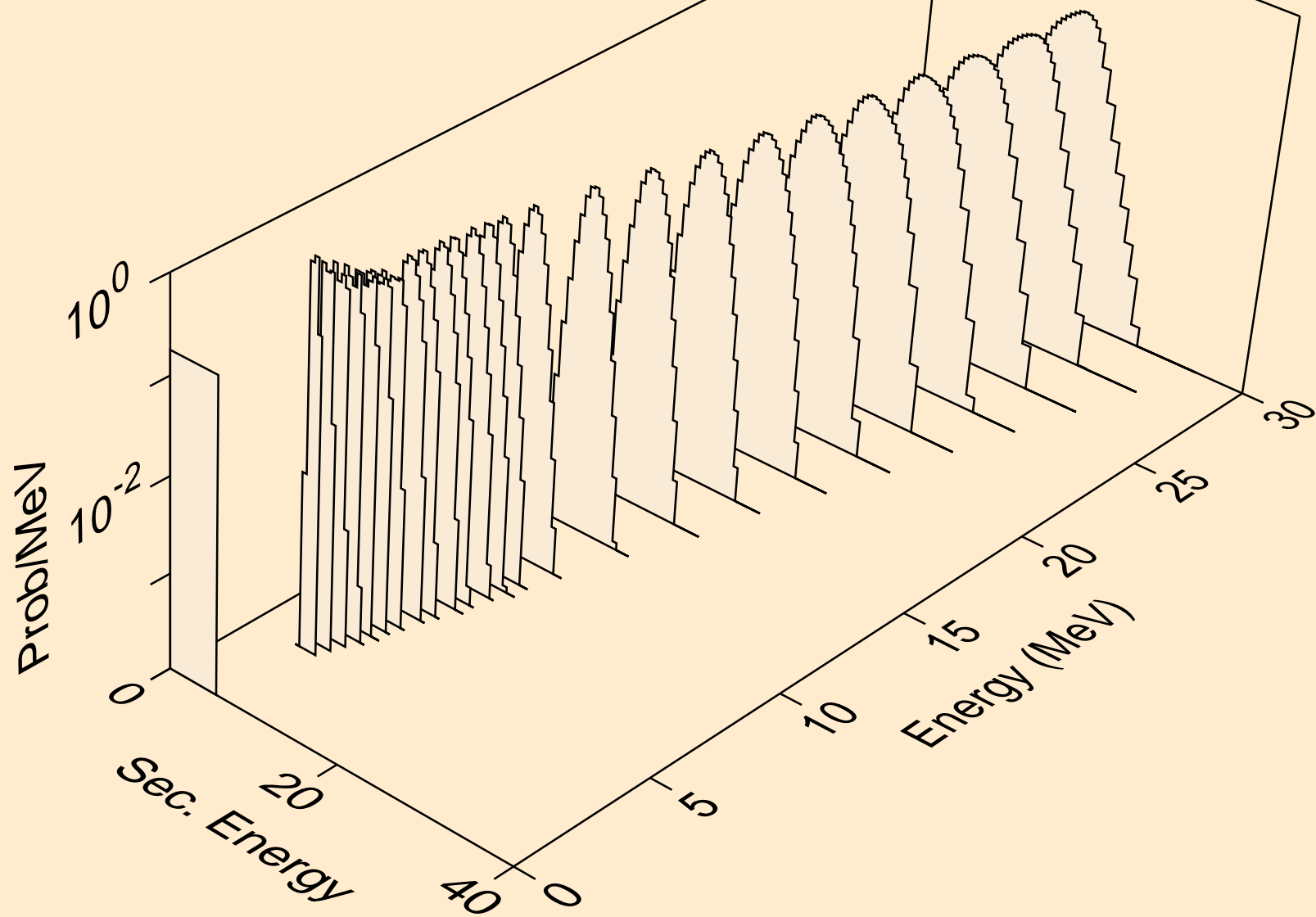
HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2n)a



HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,3n)a

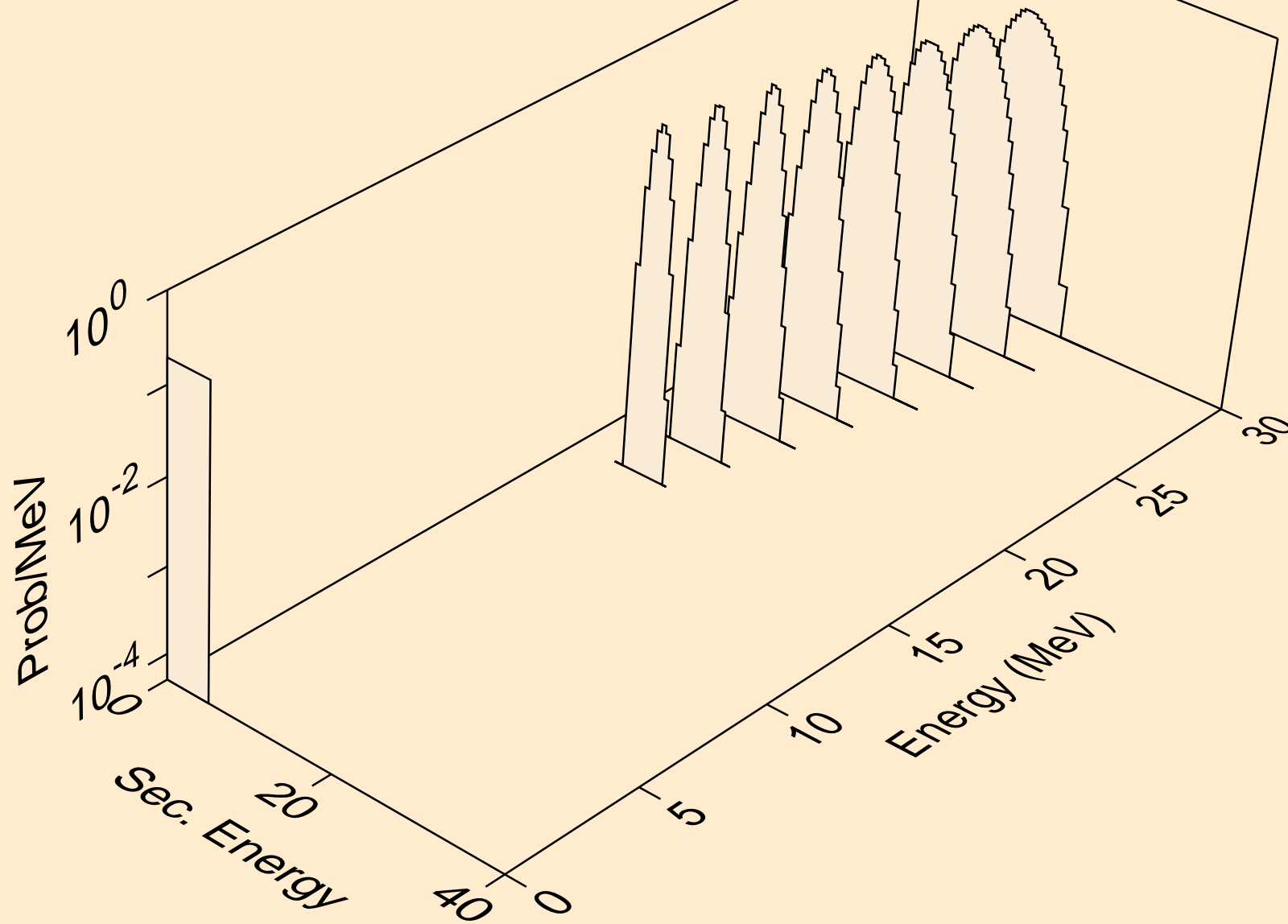


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alphas from (n,n\*)2a

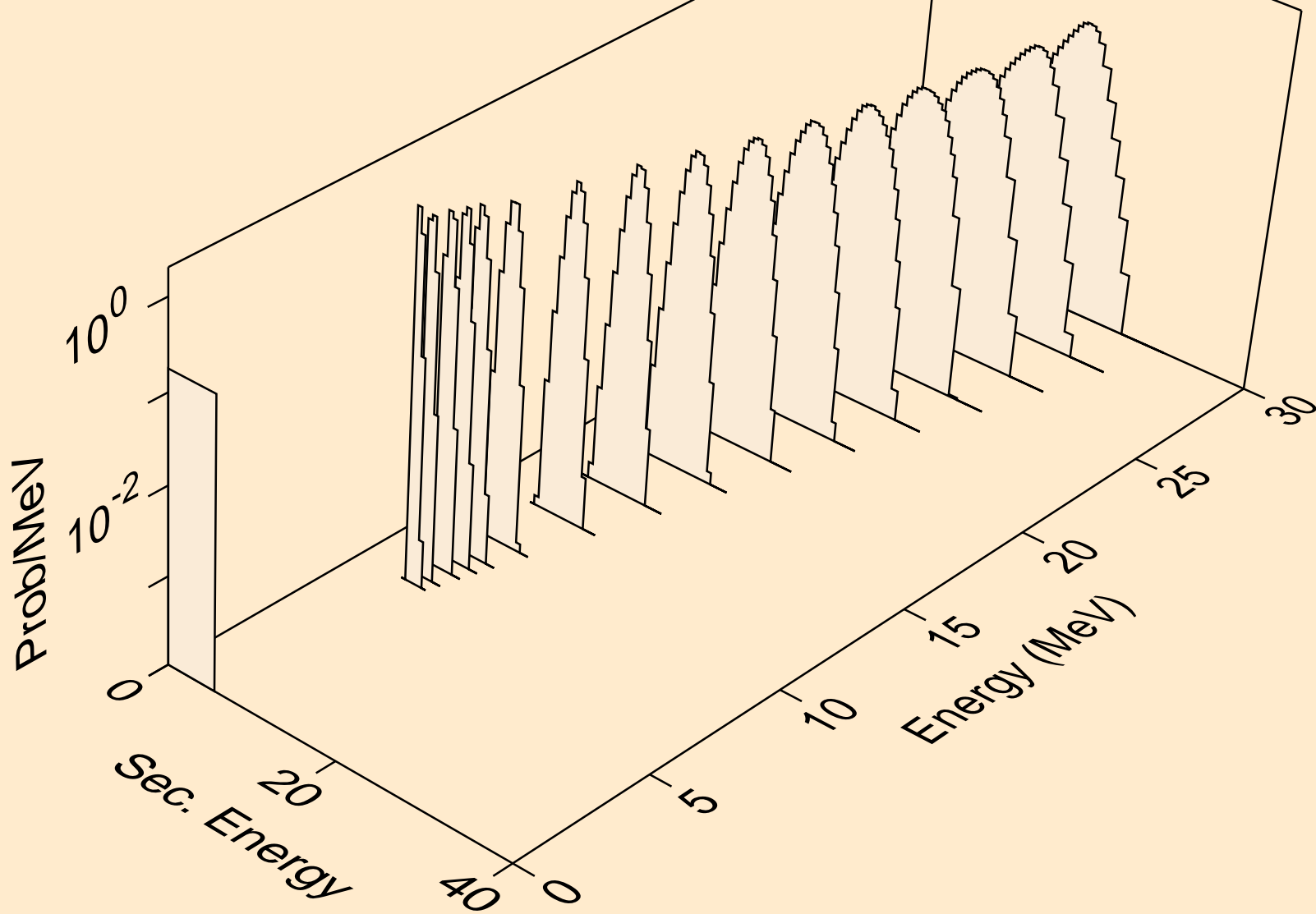




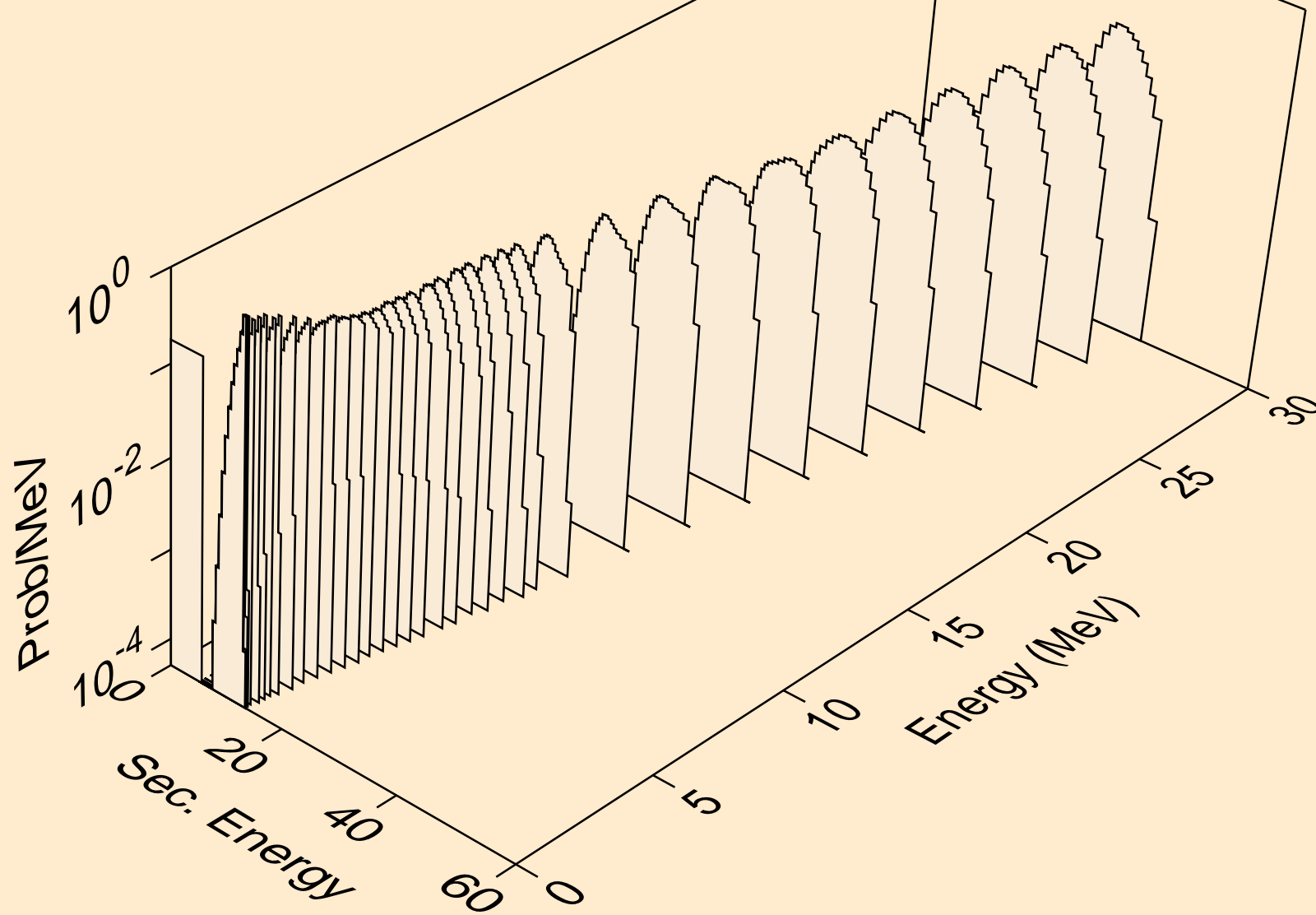
HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2n)2a



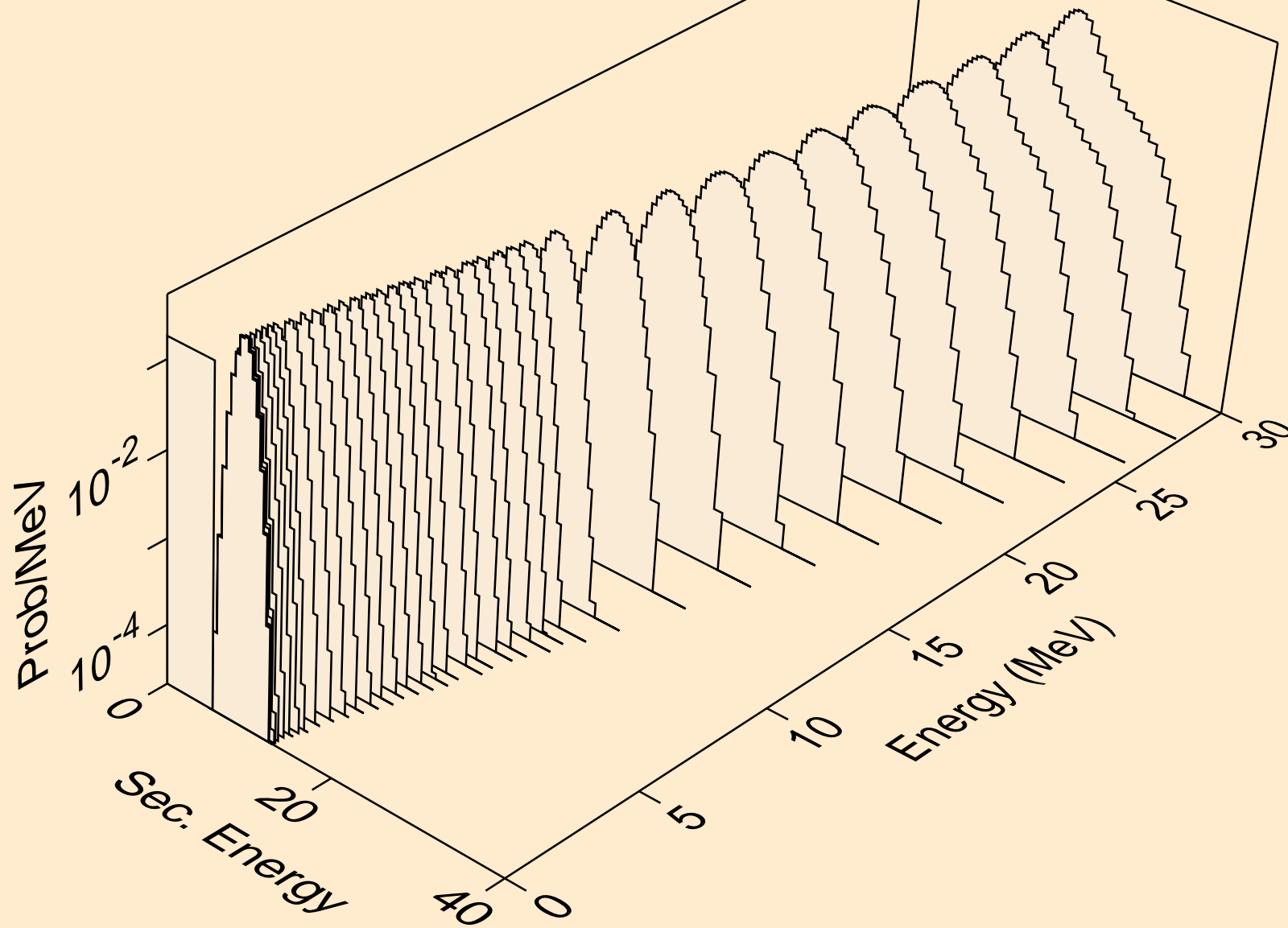
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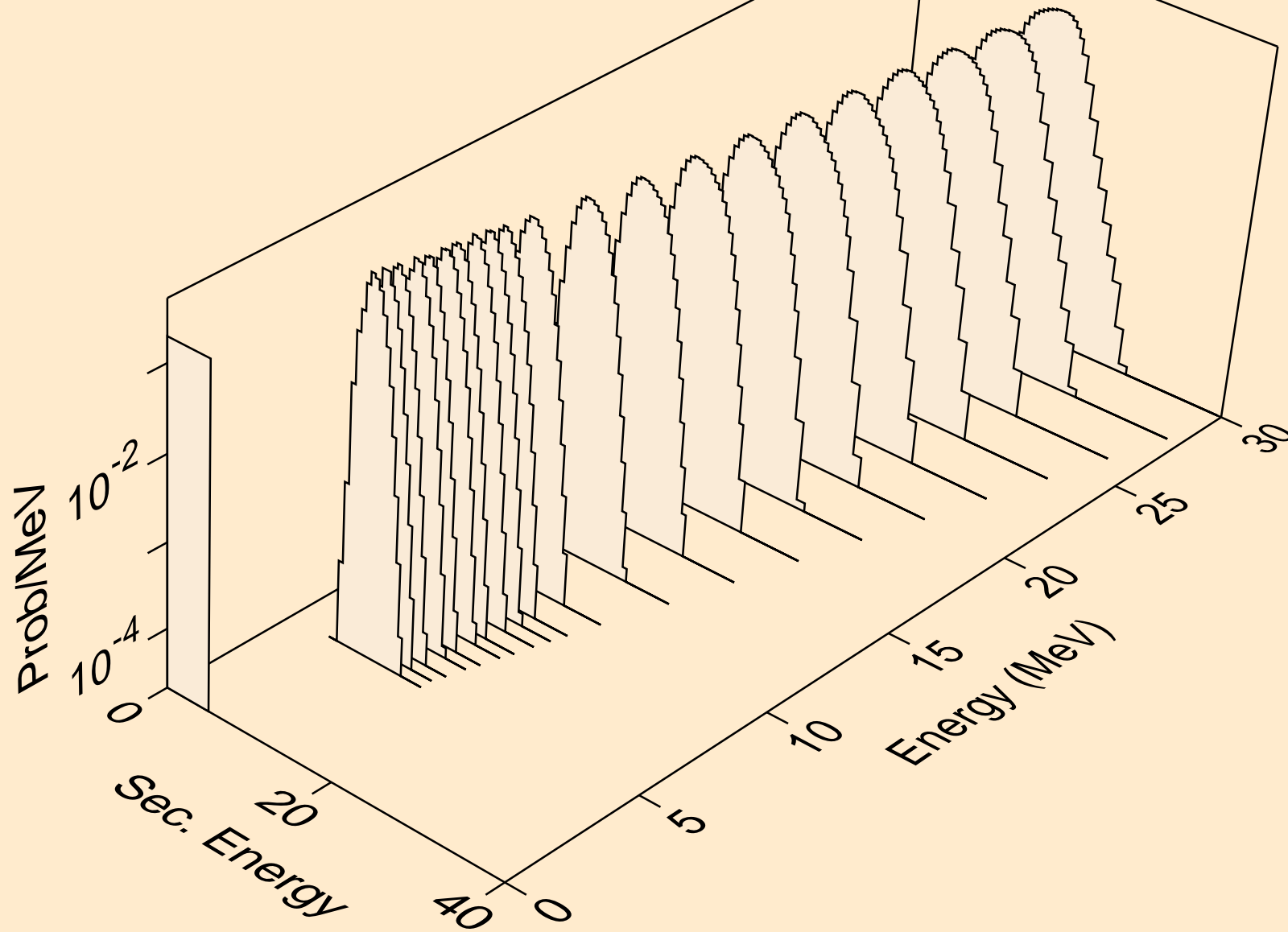
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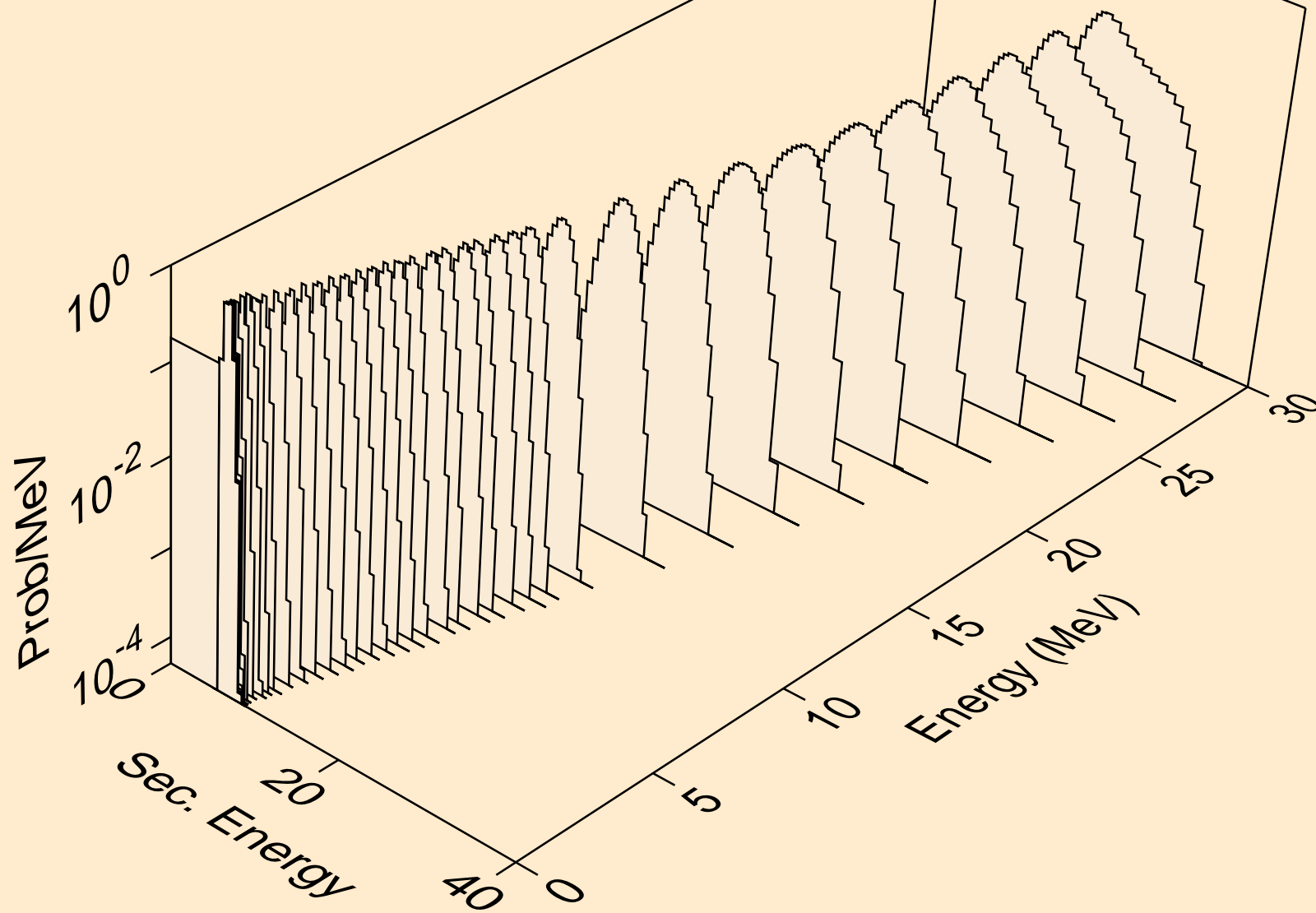
HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2a)



HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,3a)



HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,pa)



HG184 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,da)

