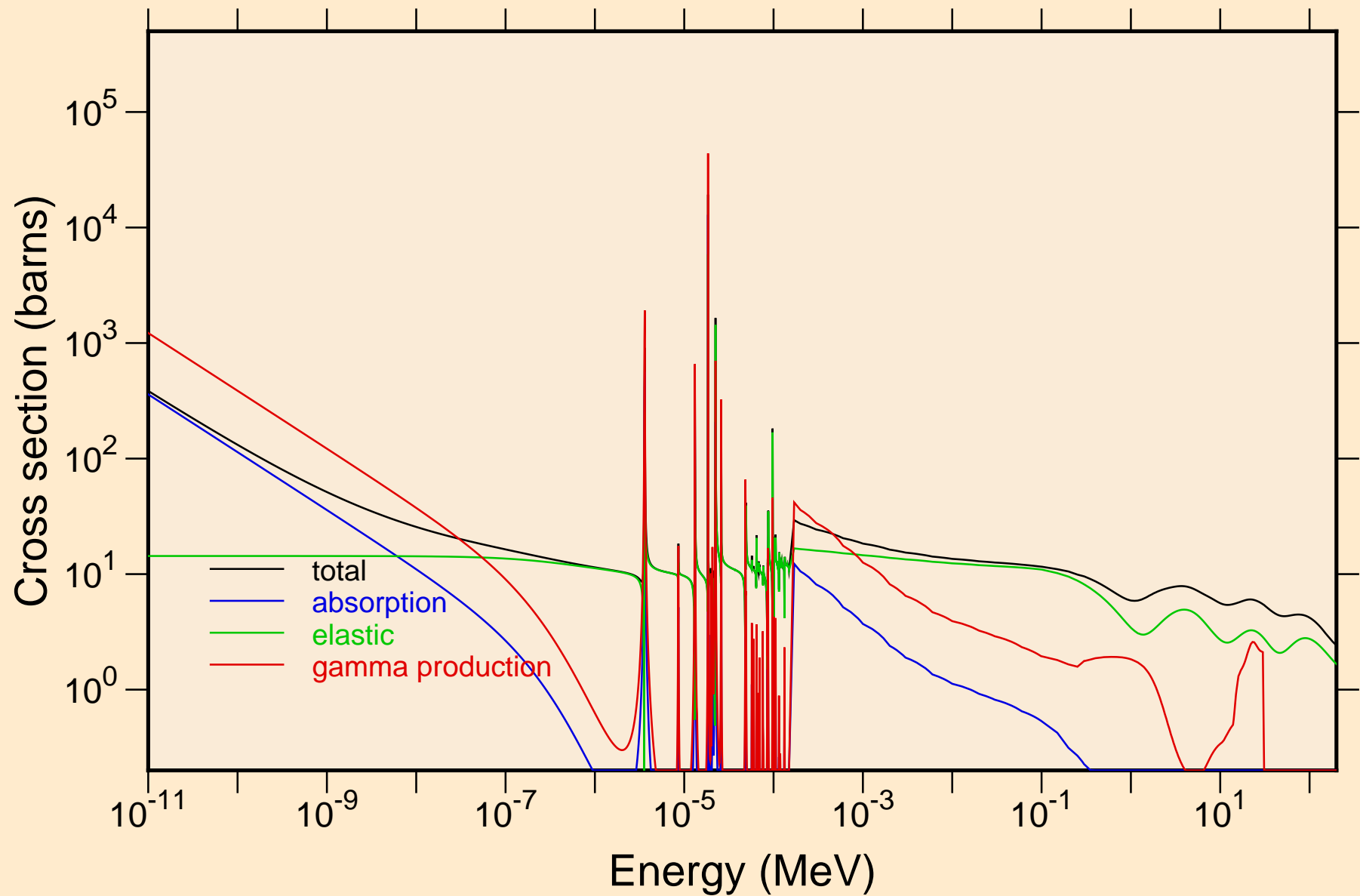
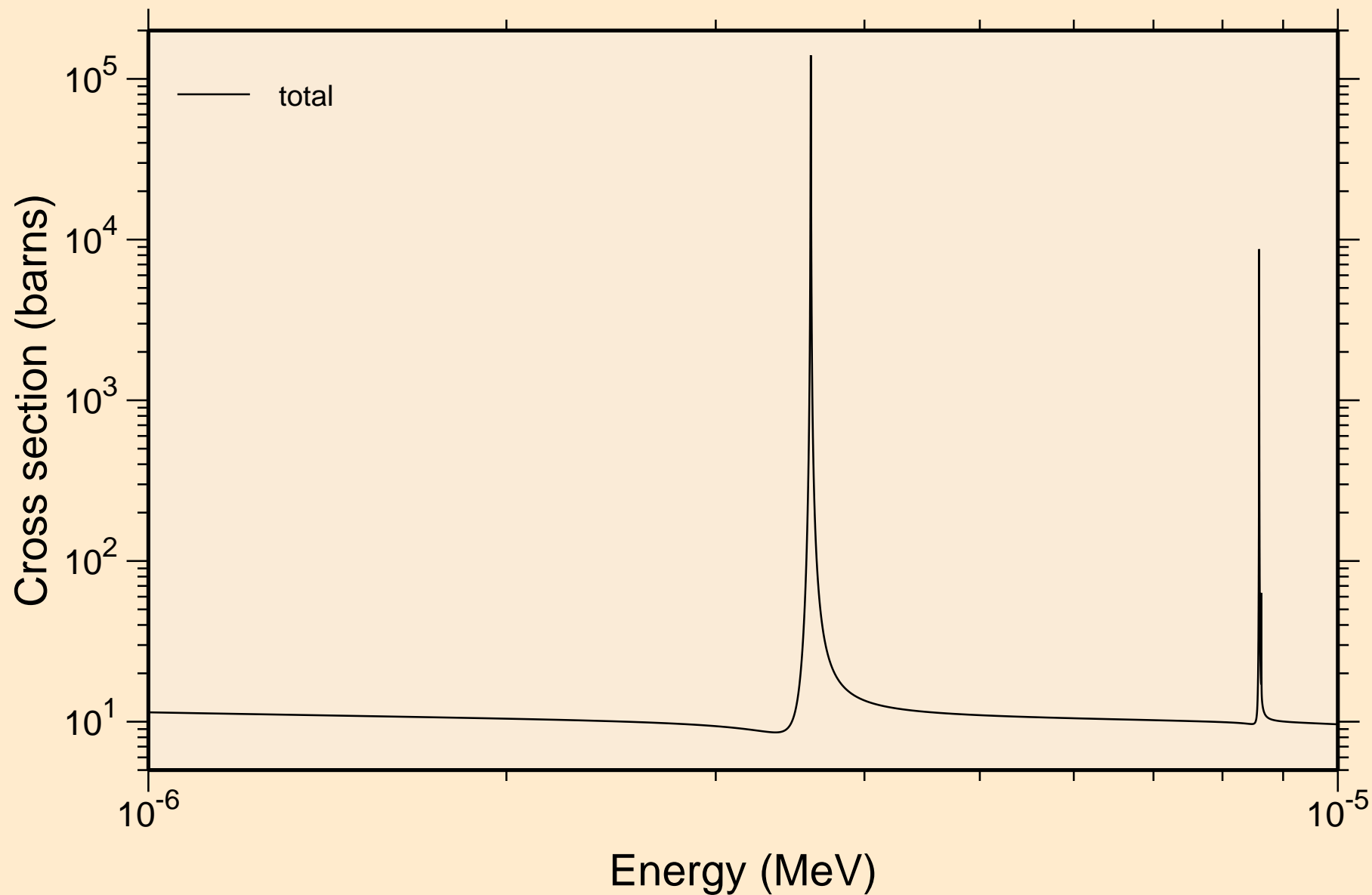


# TH224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

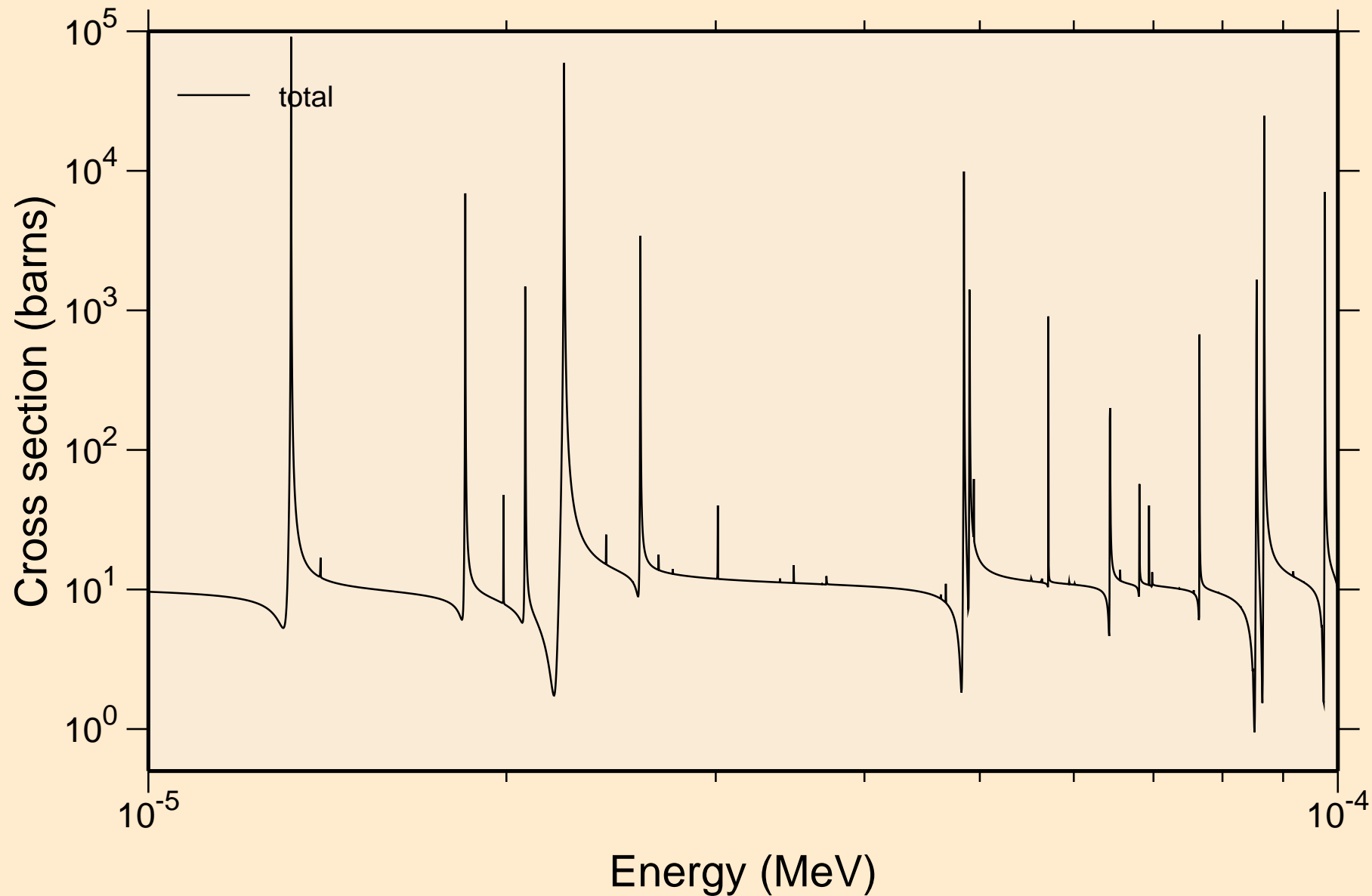
## Principal cross sections



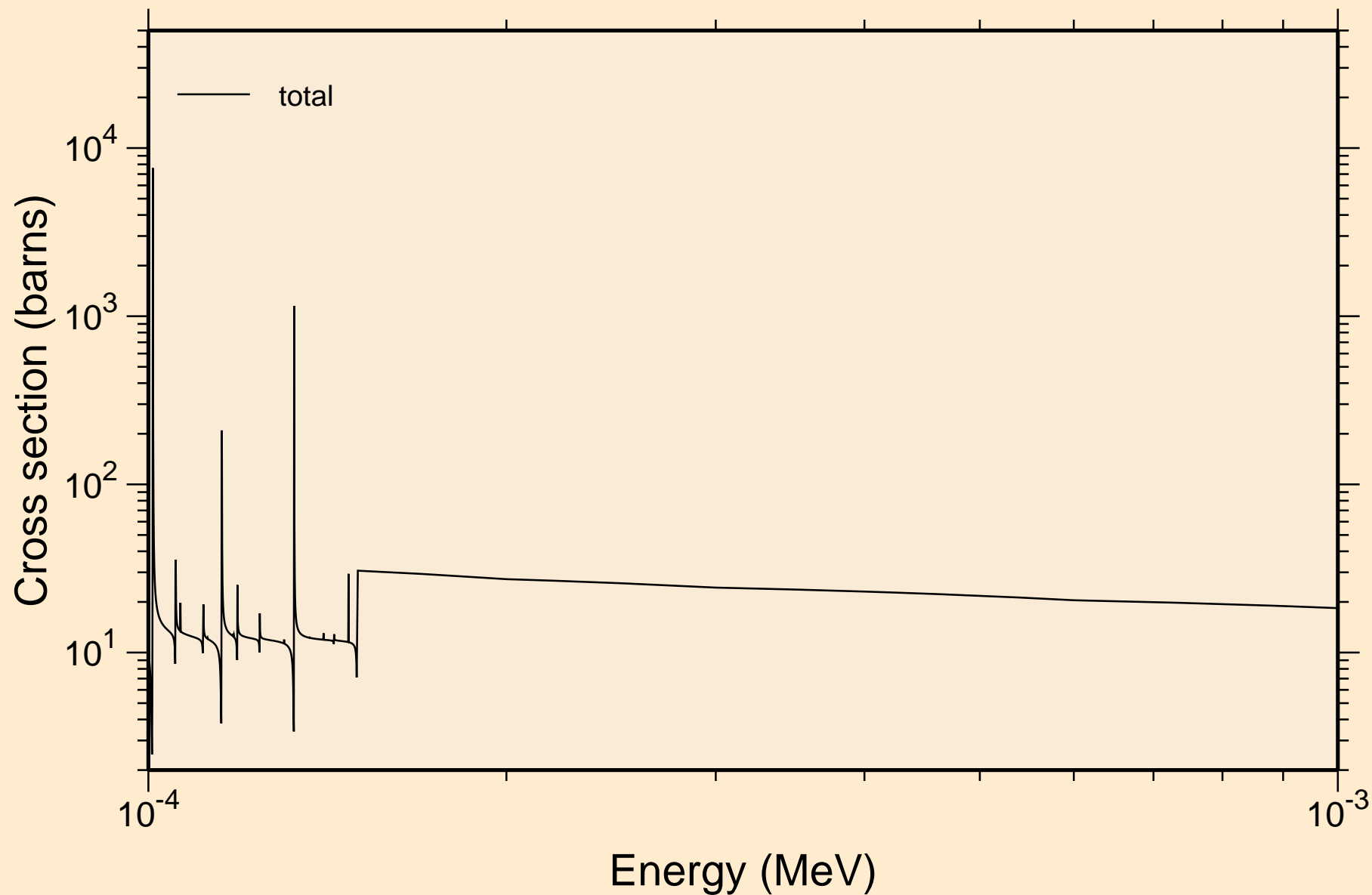
TH224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



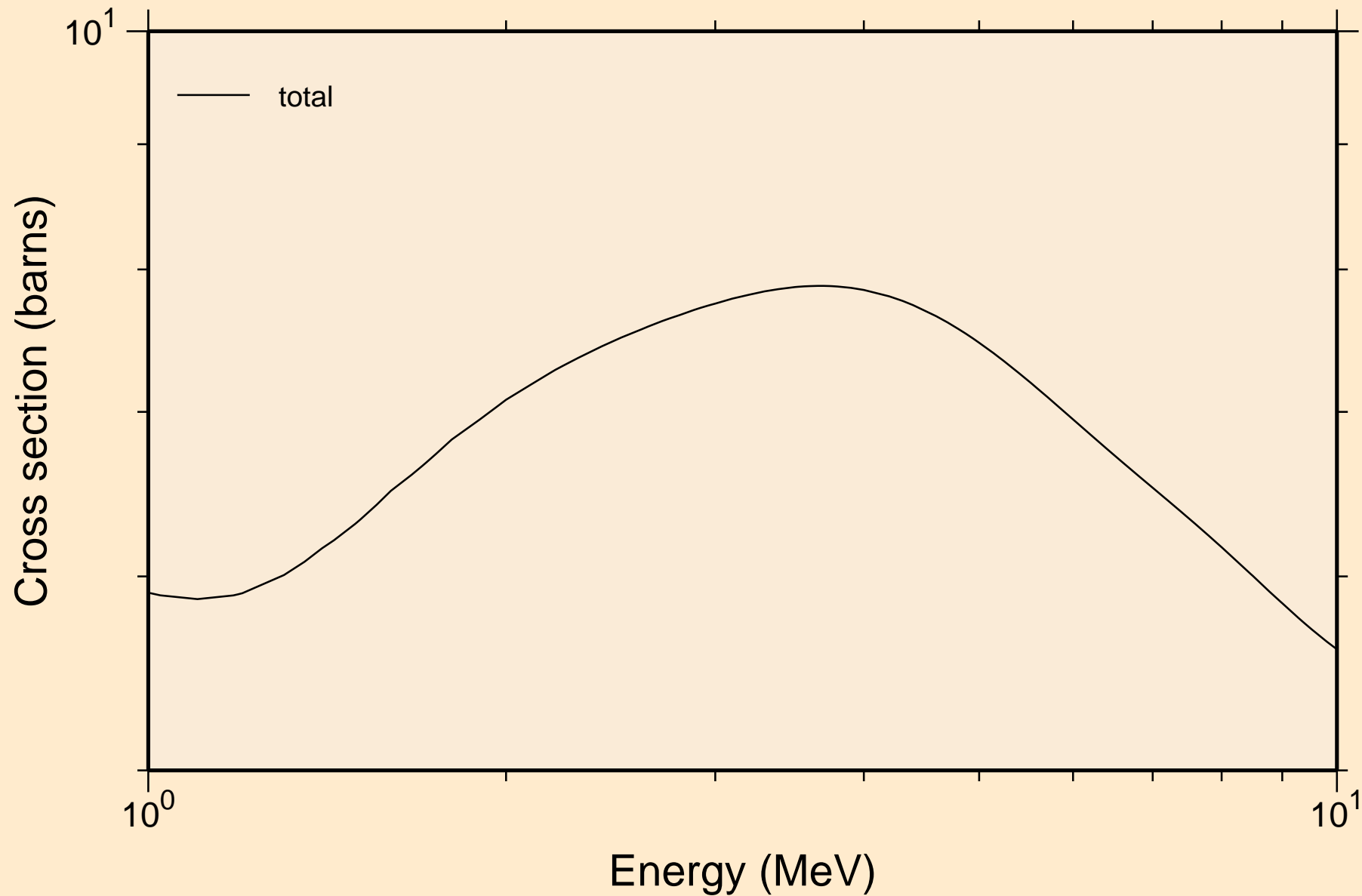
TH224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



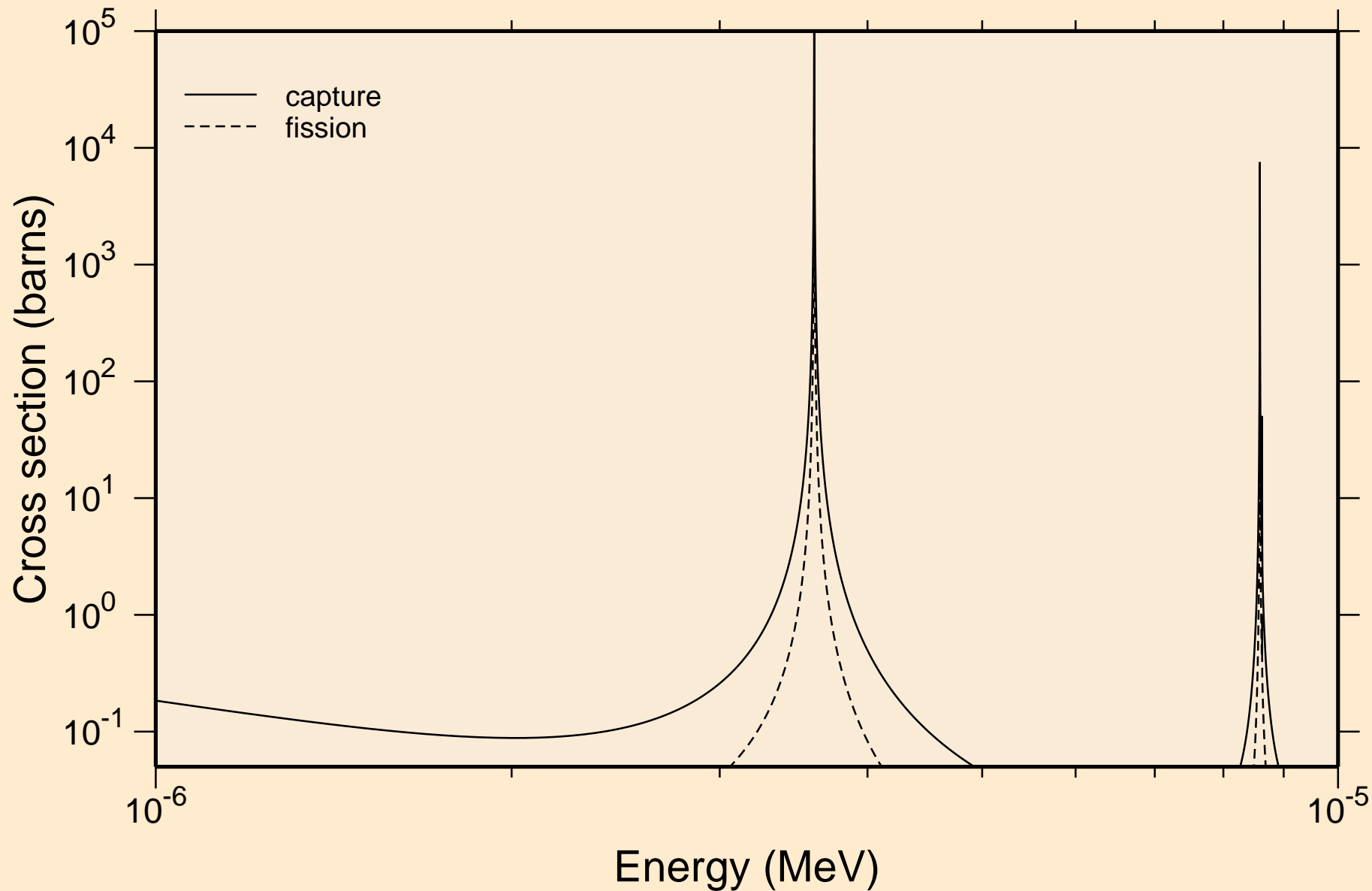
TH224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



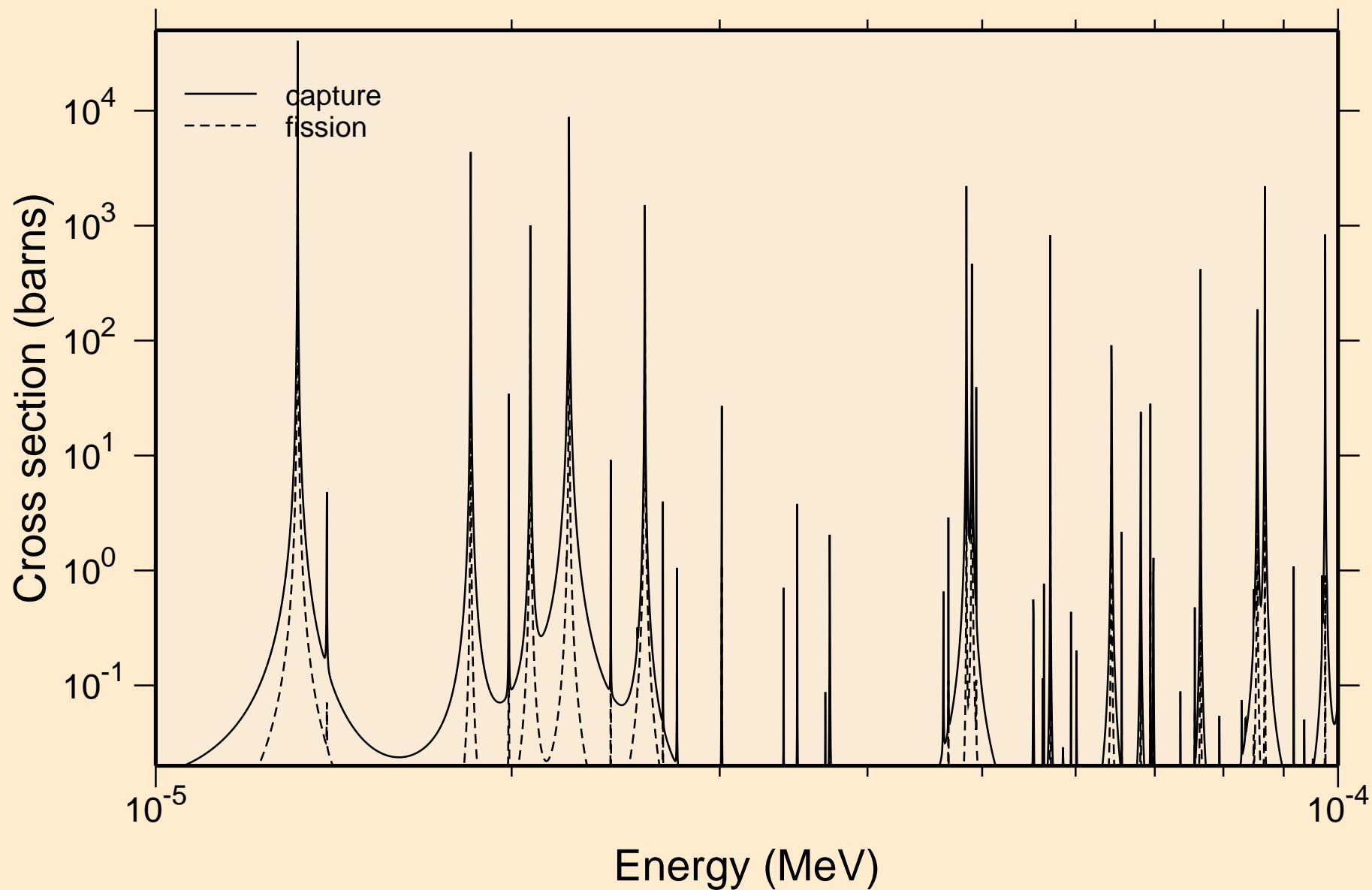
TH224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



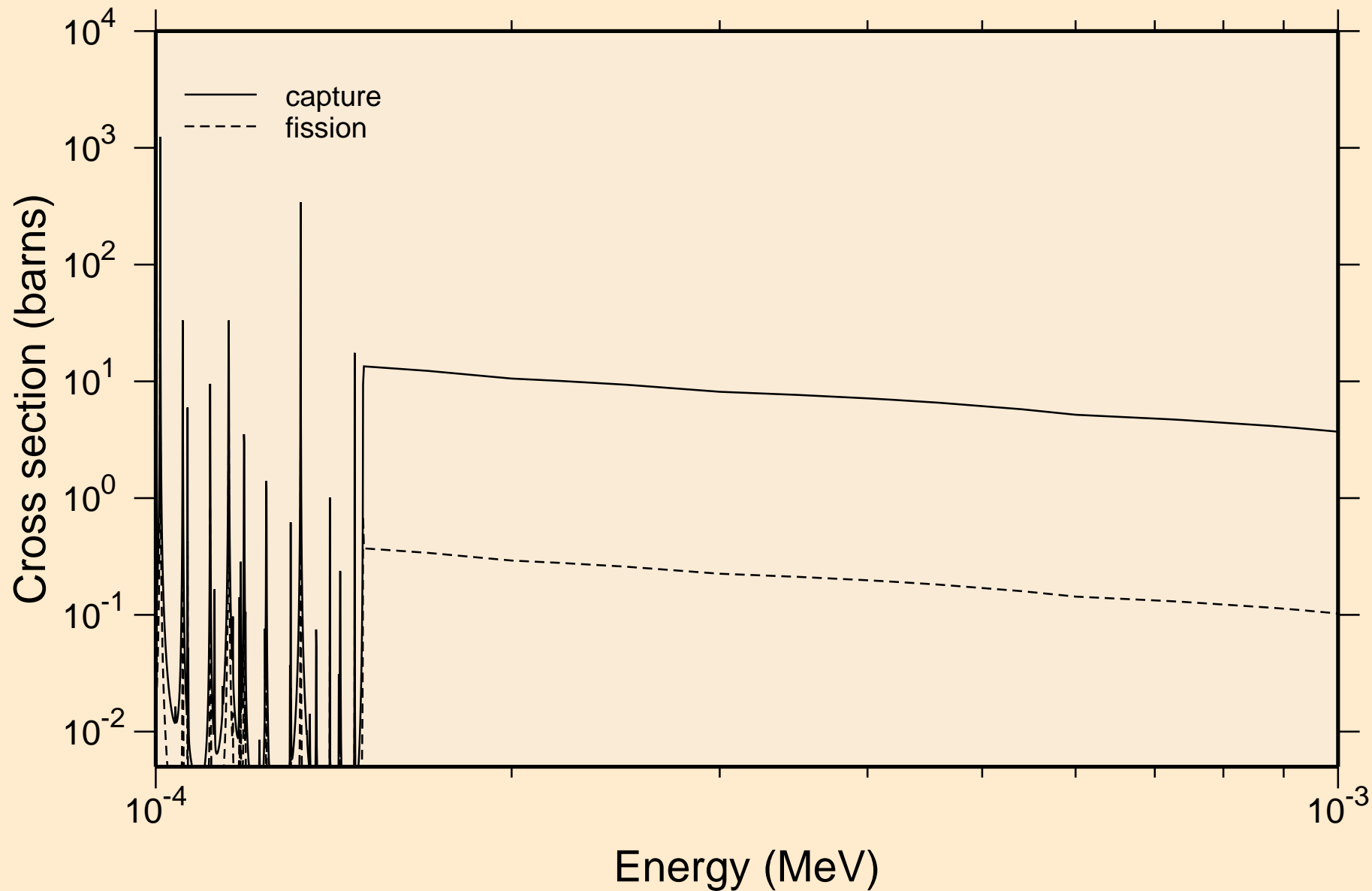
TH224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



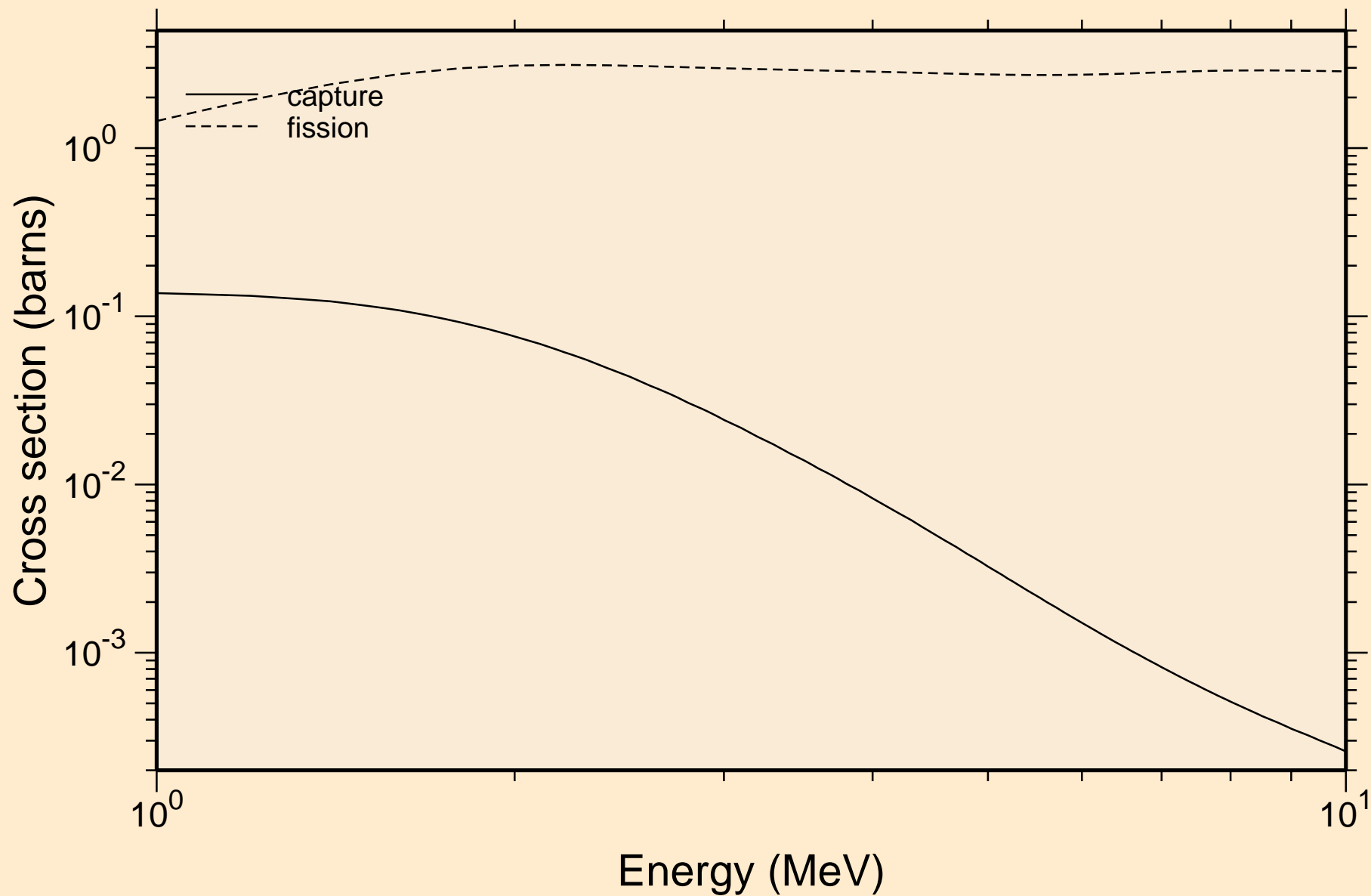
TH224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



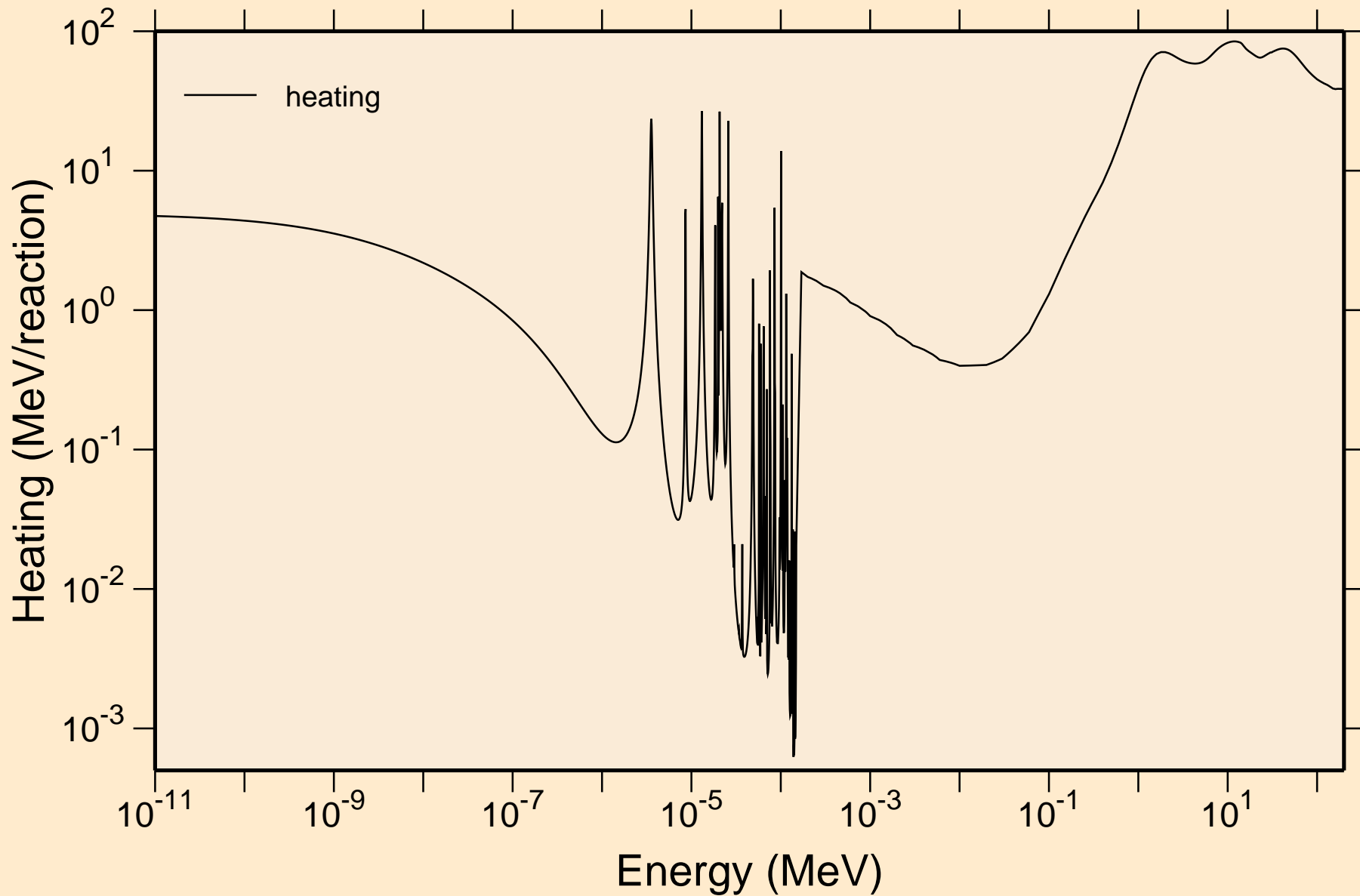
TH224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



TH224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

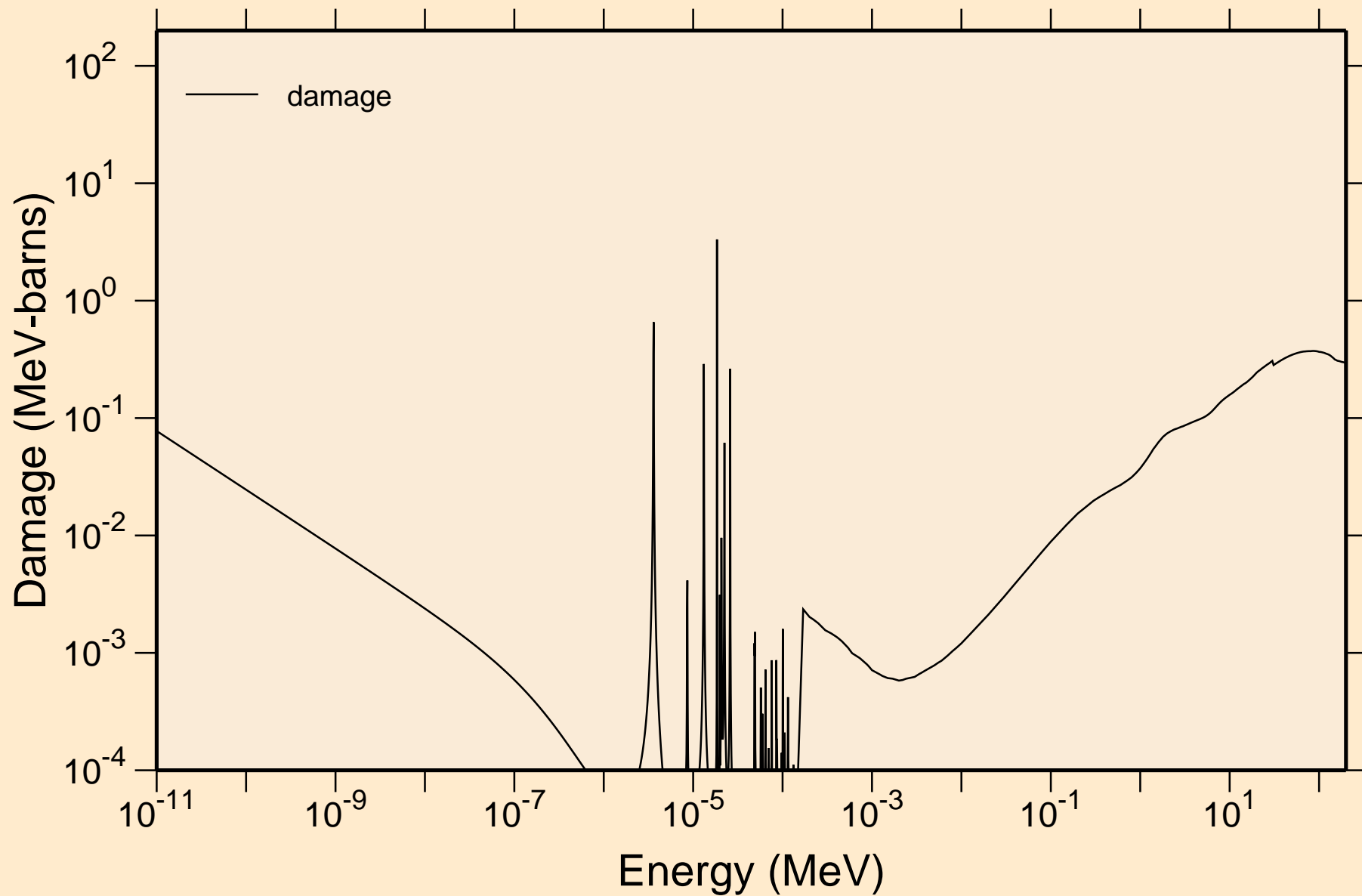


TH224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Heating



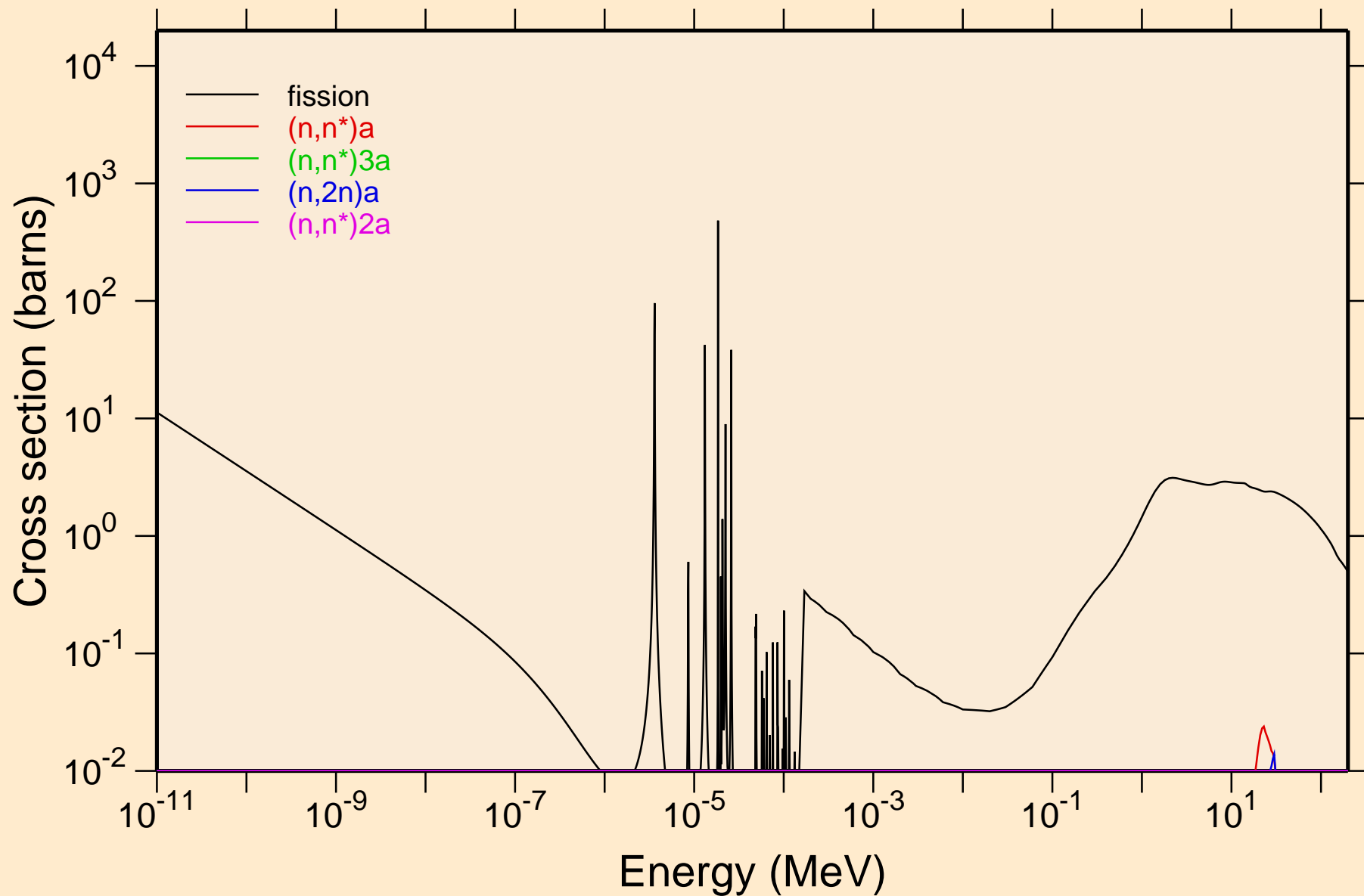
# TH224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Damage

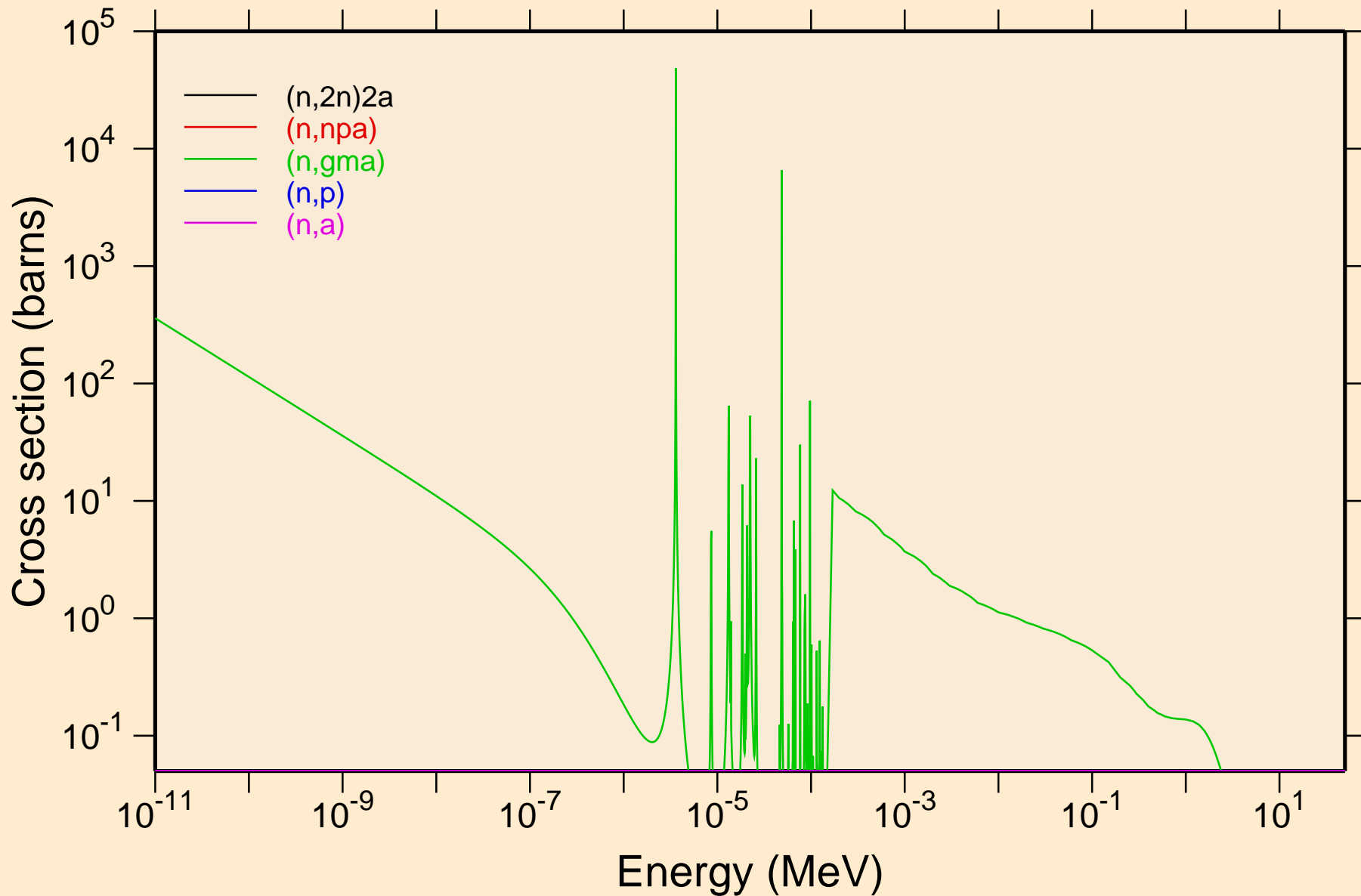


# TH224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

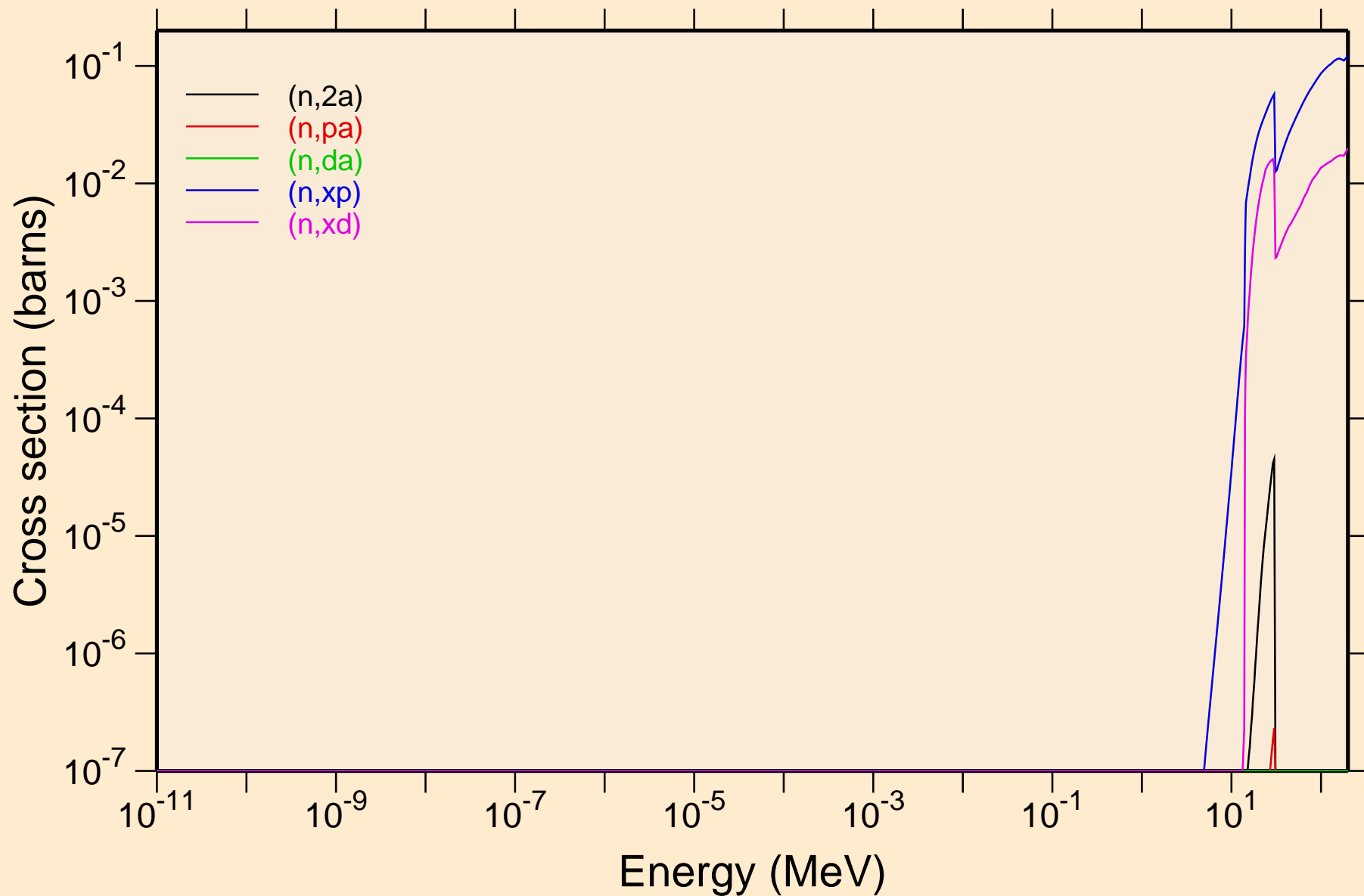
## Non-threshold reactions



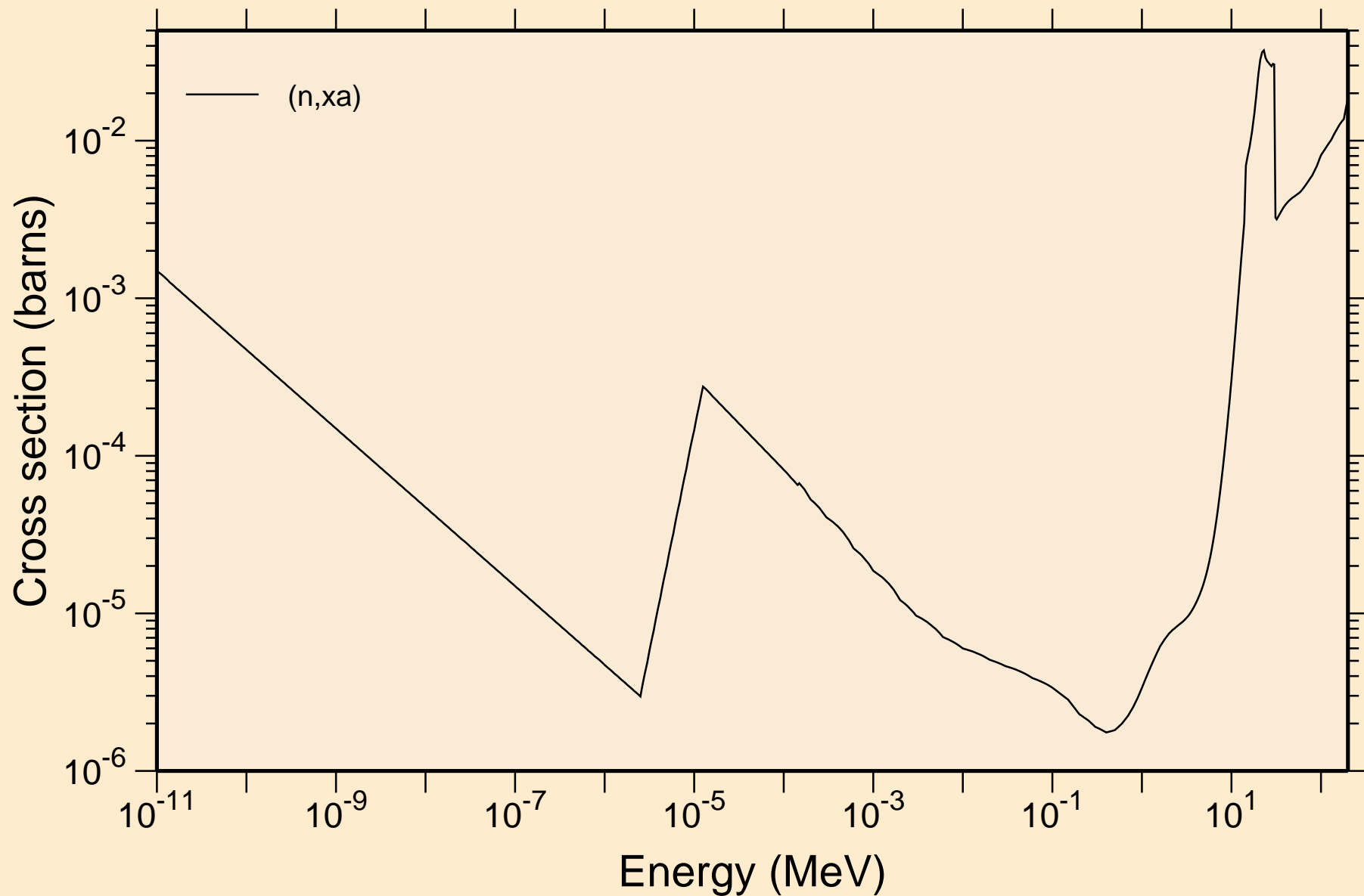
TH224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



TH224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

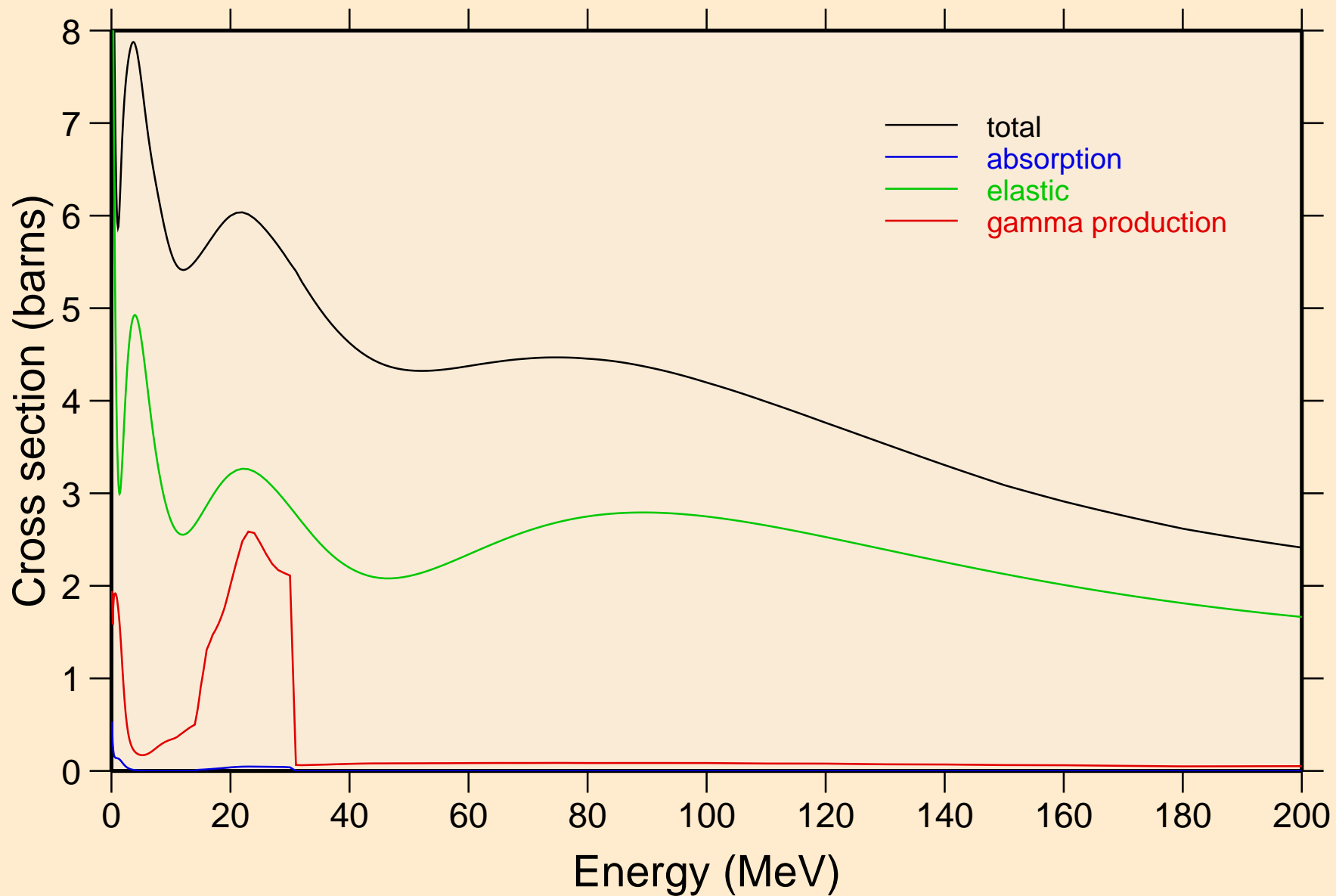


TH224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

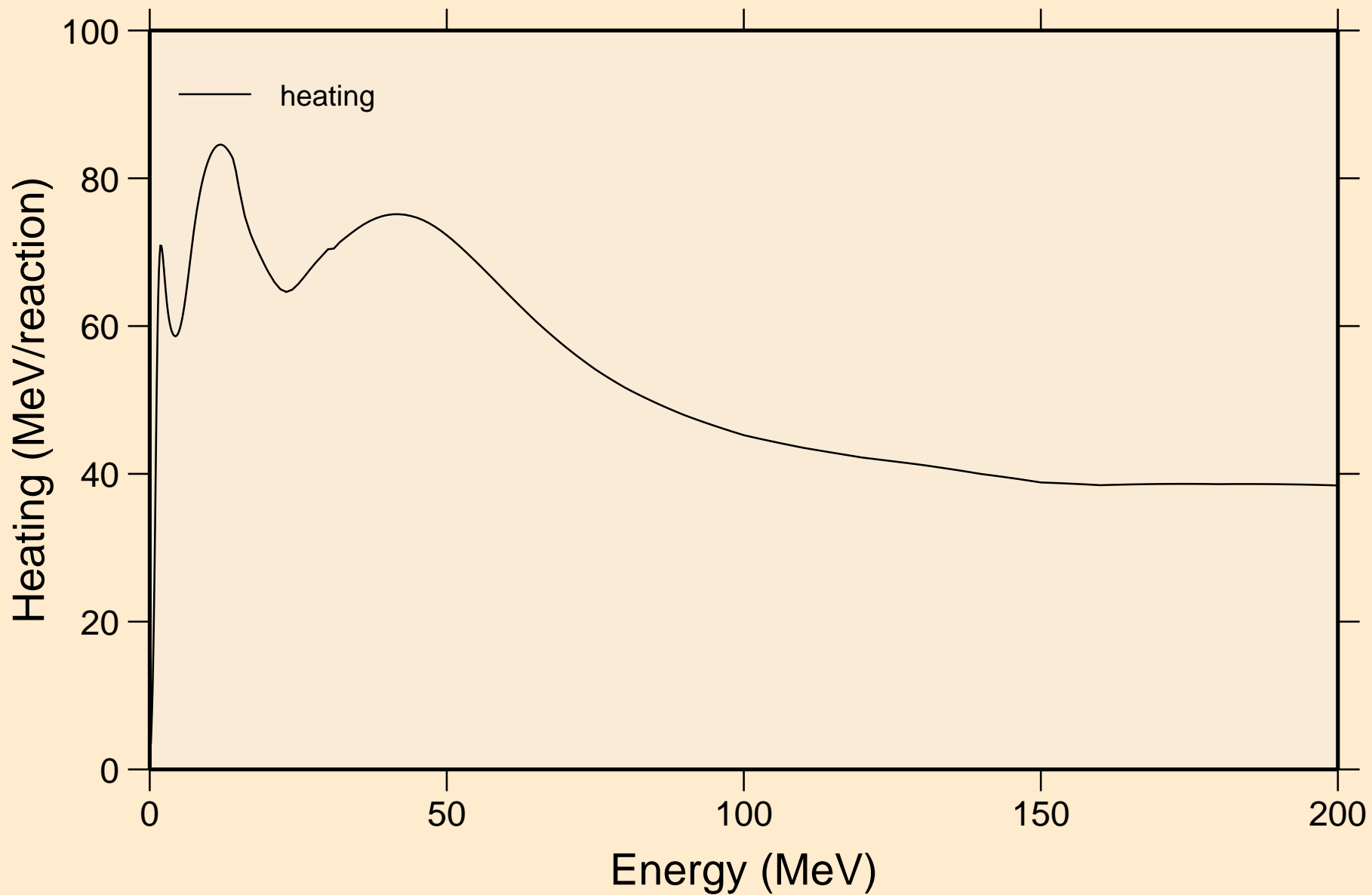


# TH224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

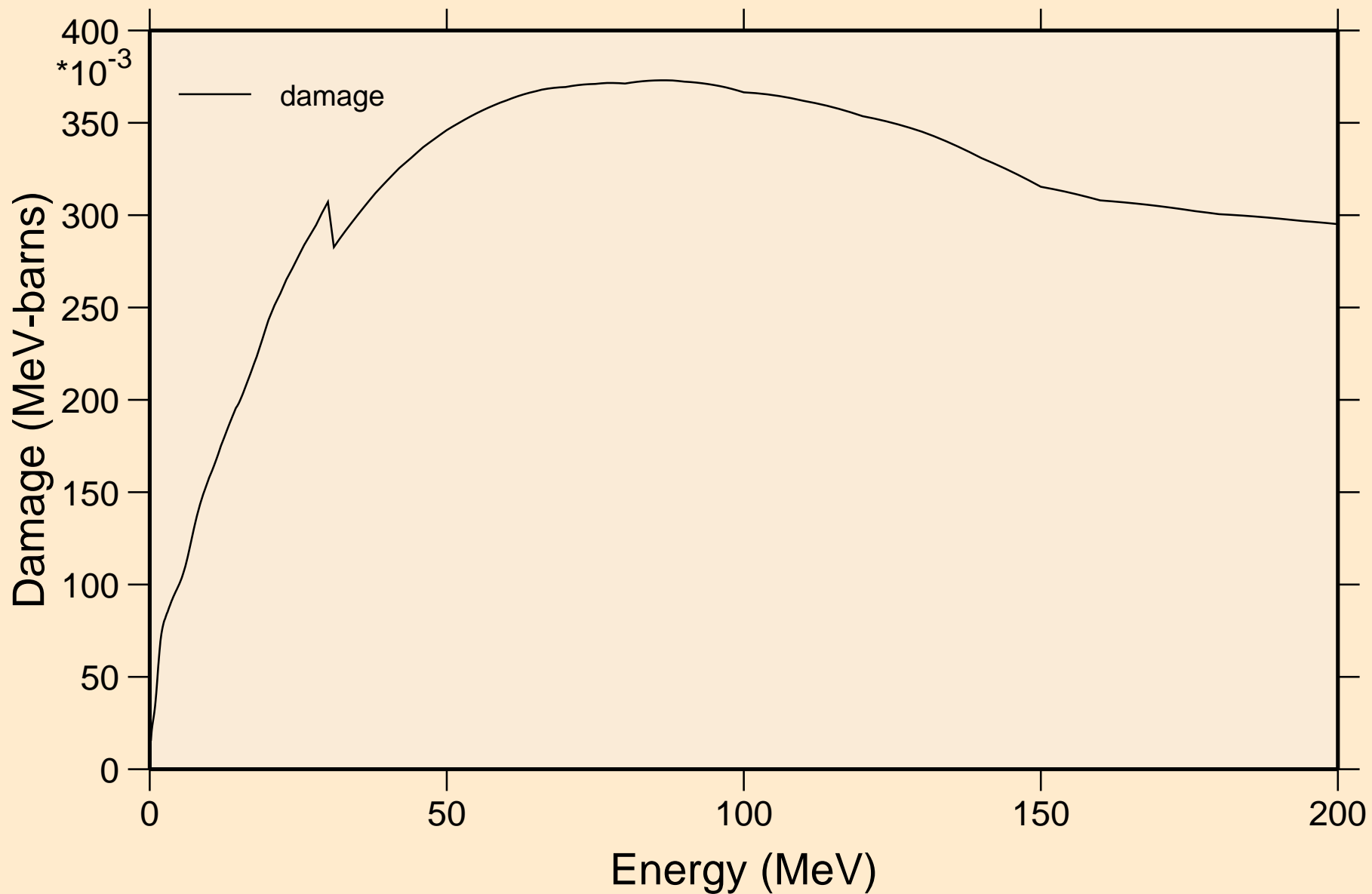
## Principal cross sections



TH224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Heating

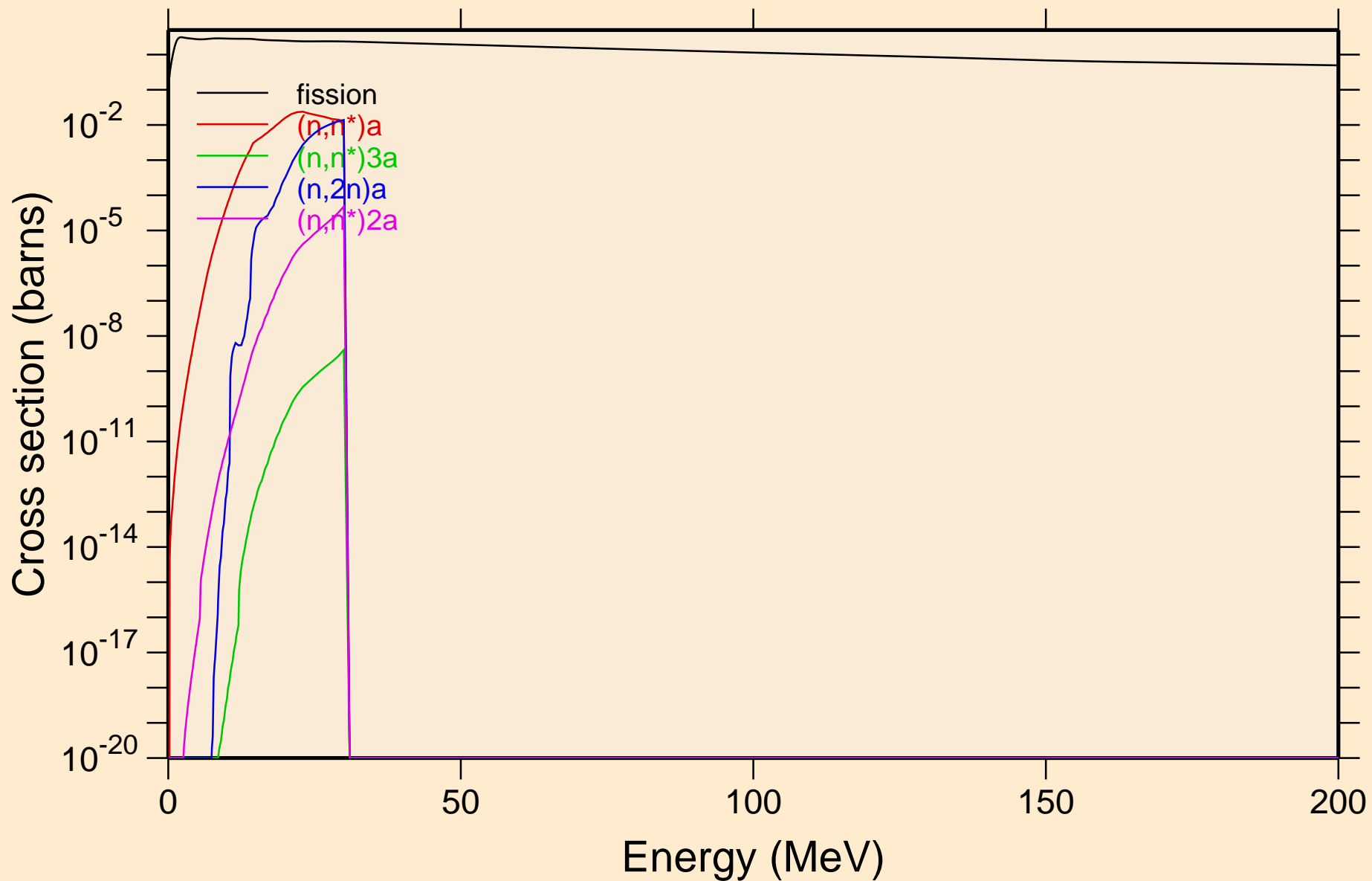


TH224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Damage

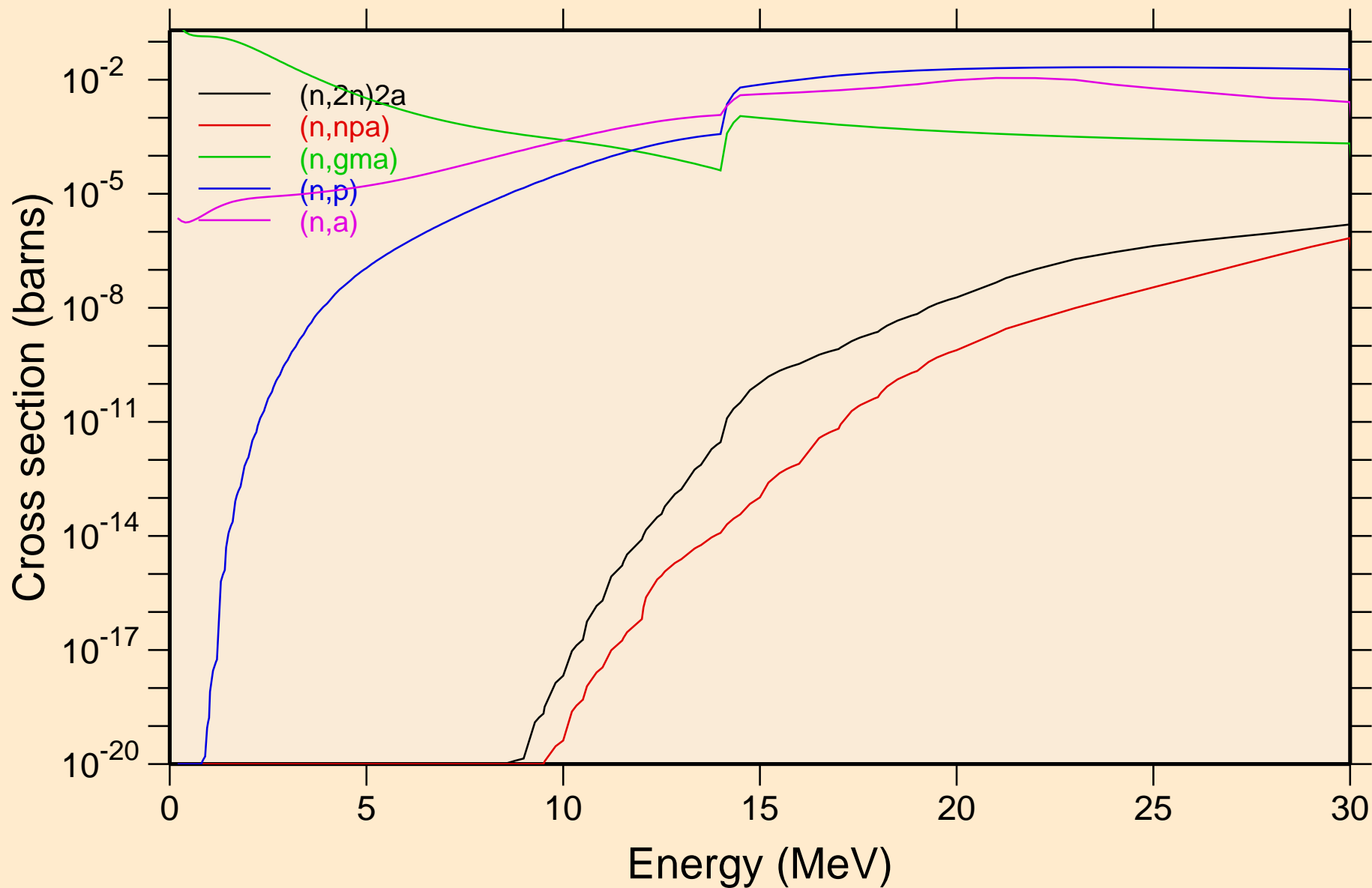


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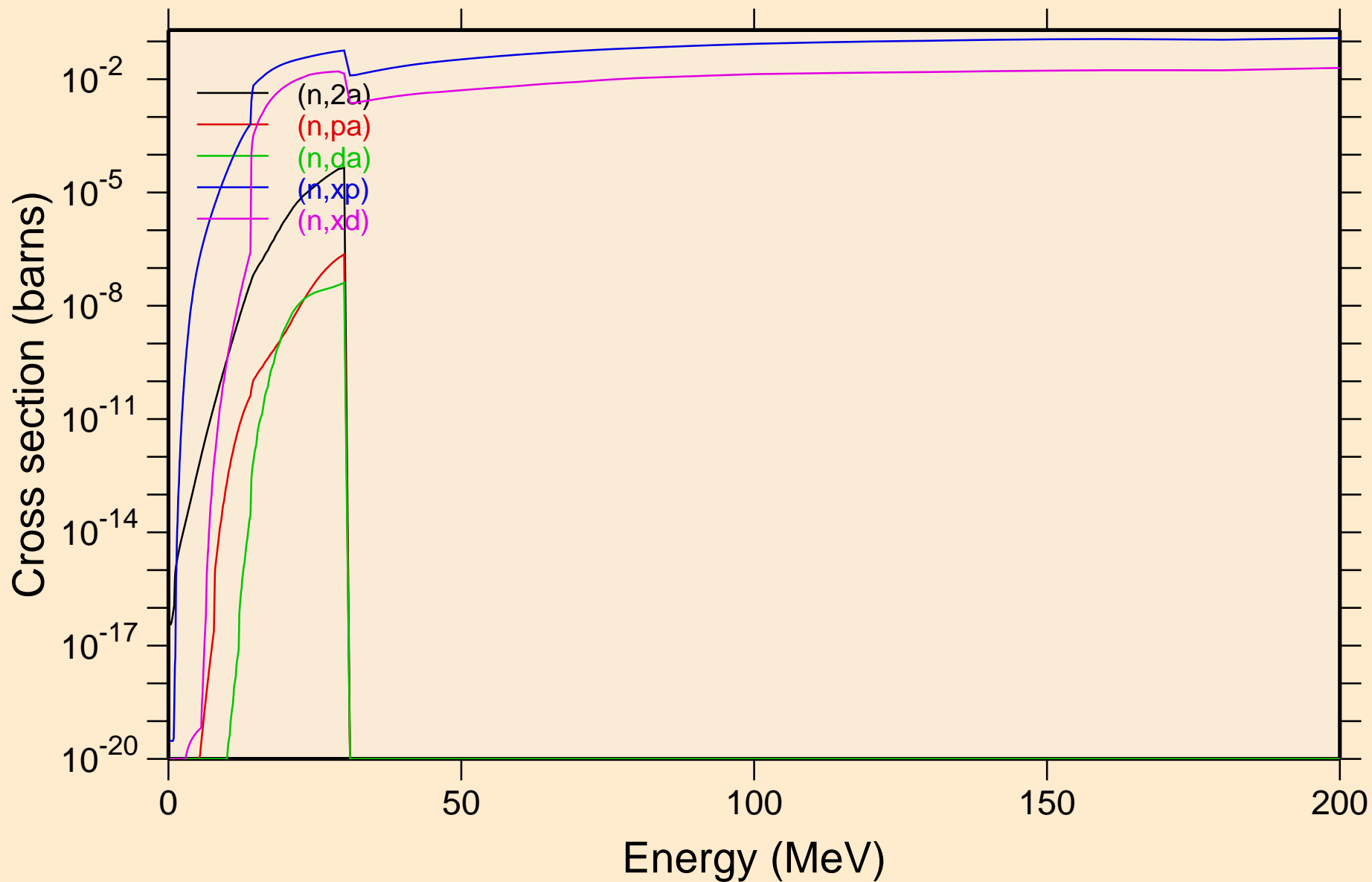
## Non-threshold reactions



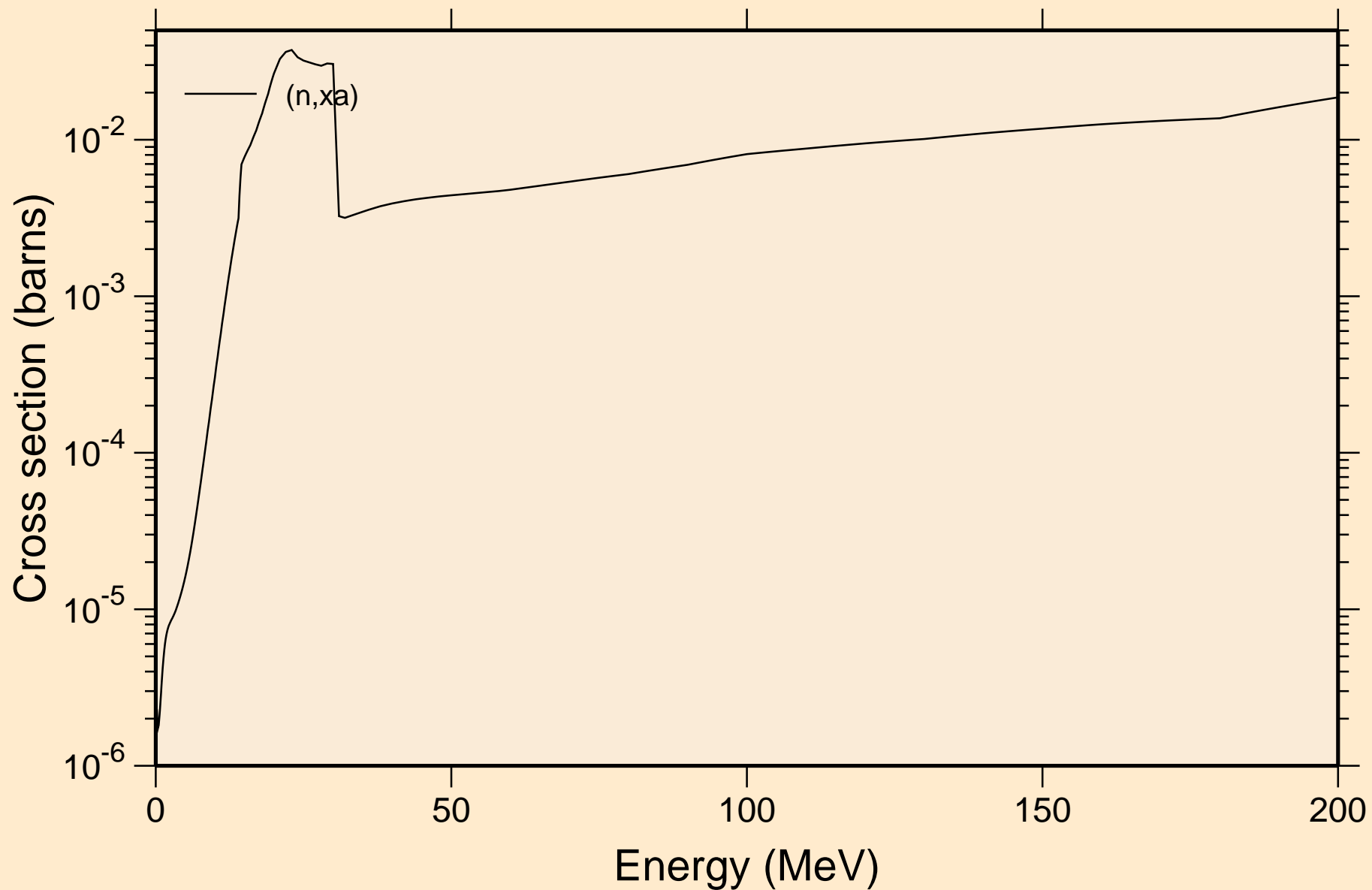
TH224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



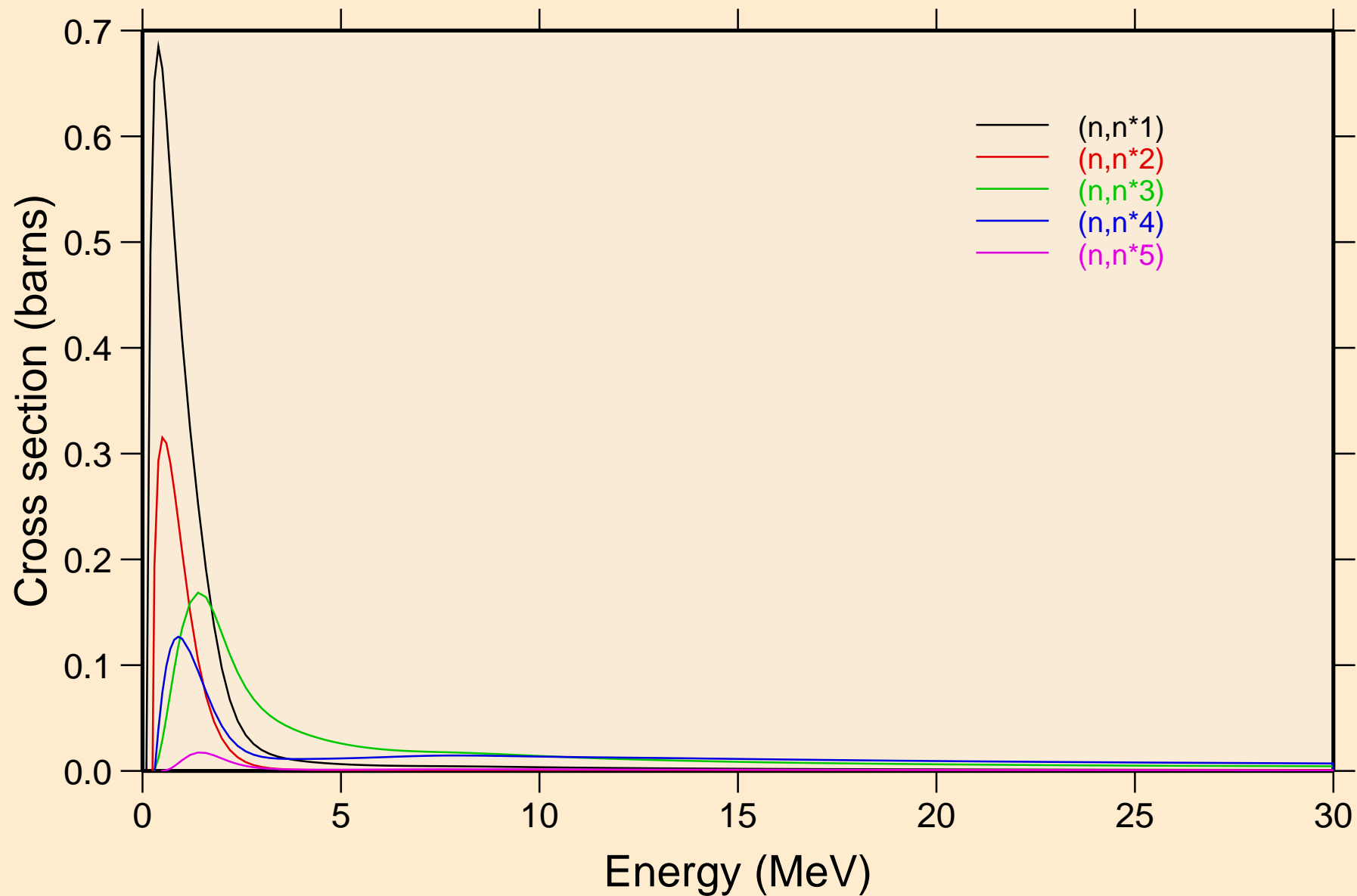
TH224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



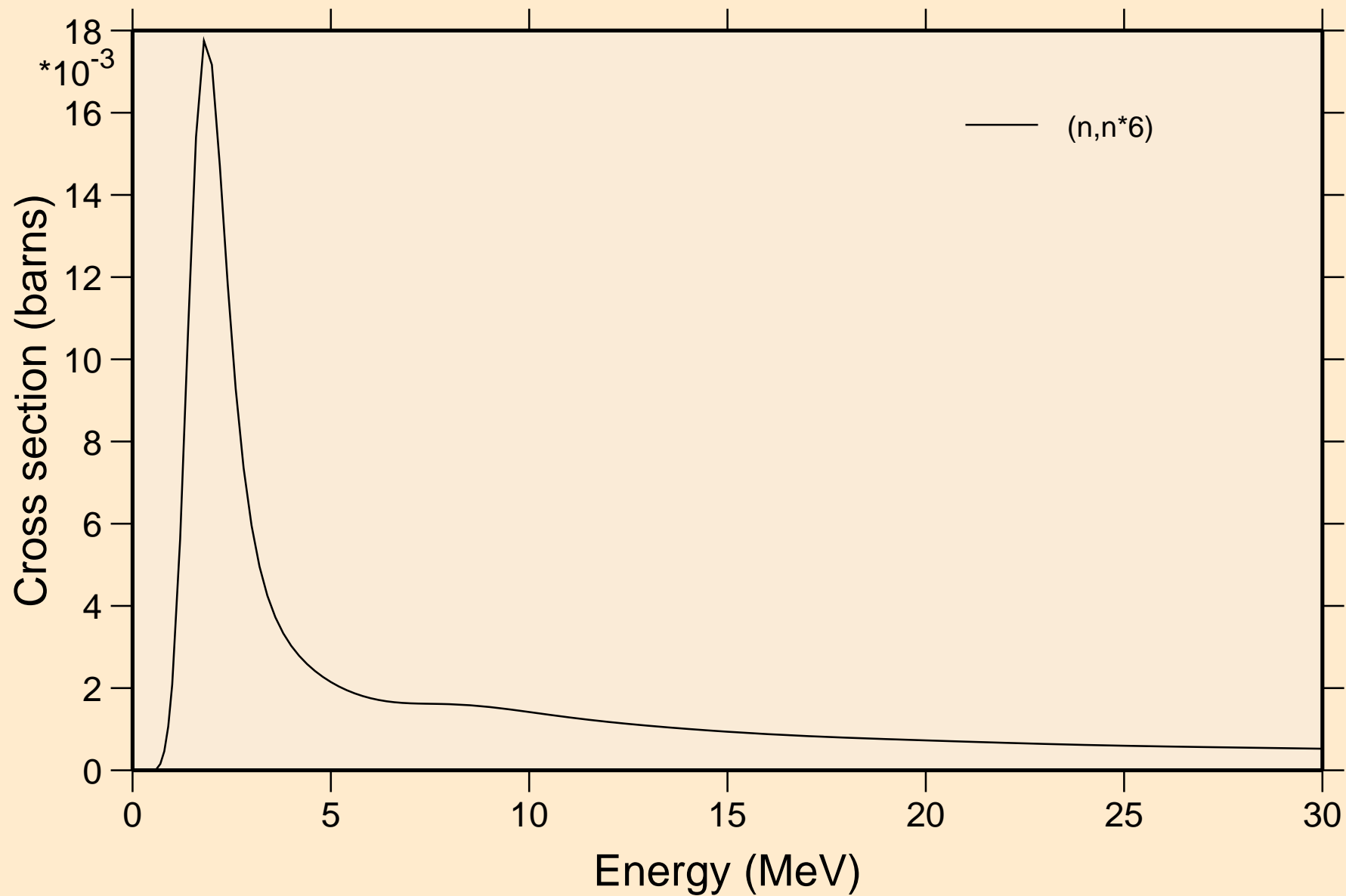
TH224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



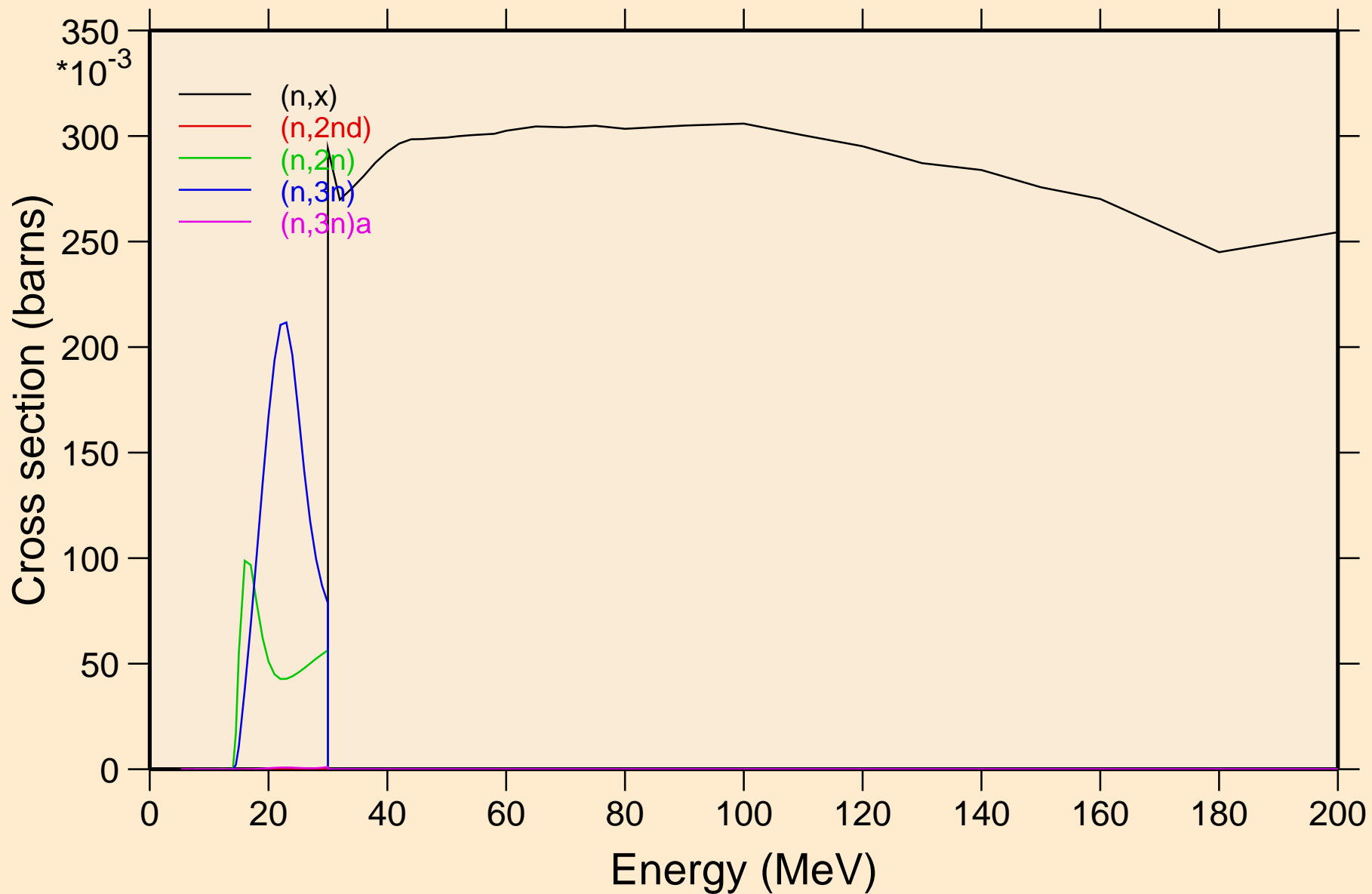
TH224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



TH224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

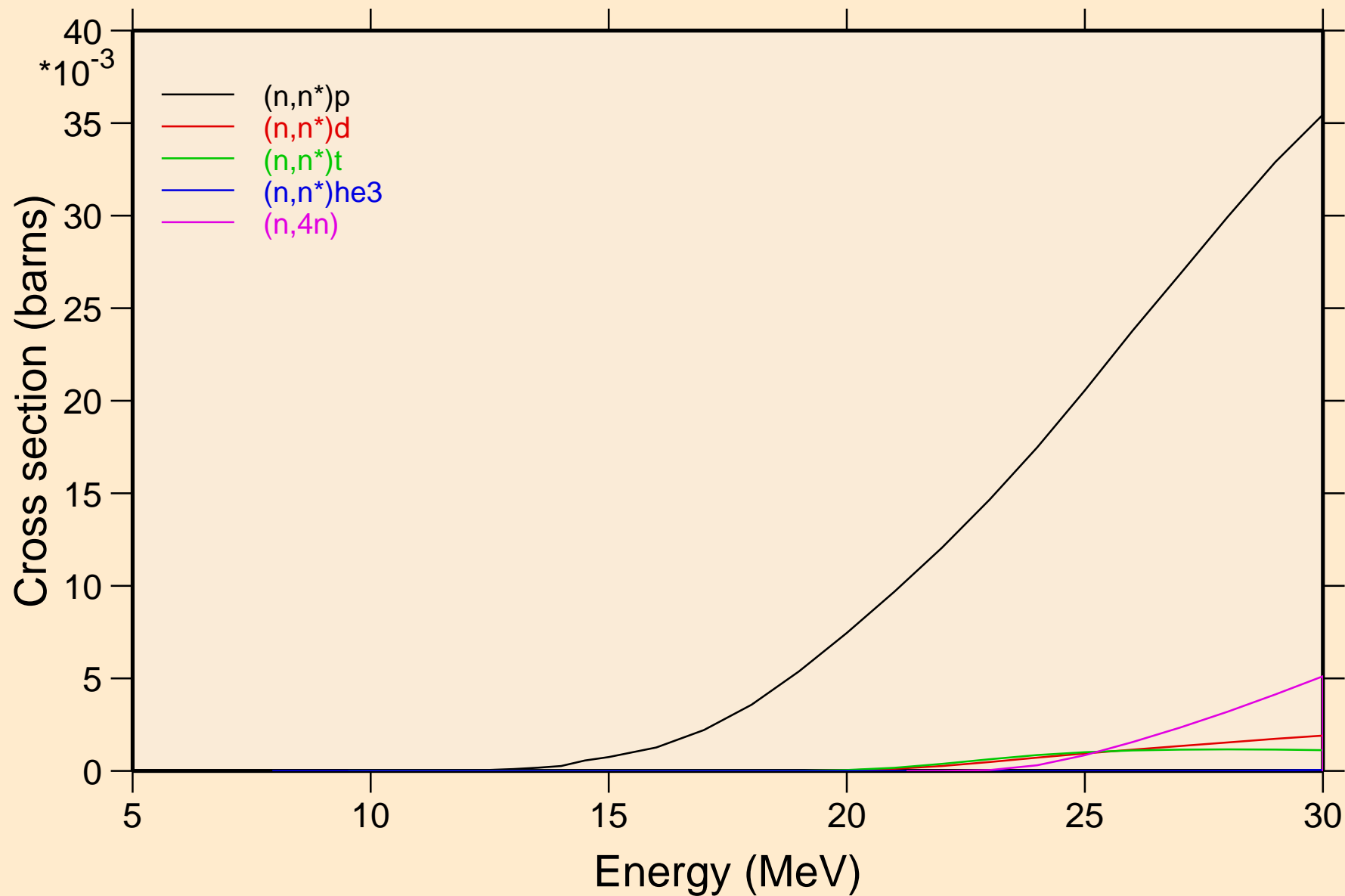


TH224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

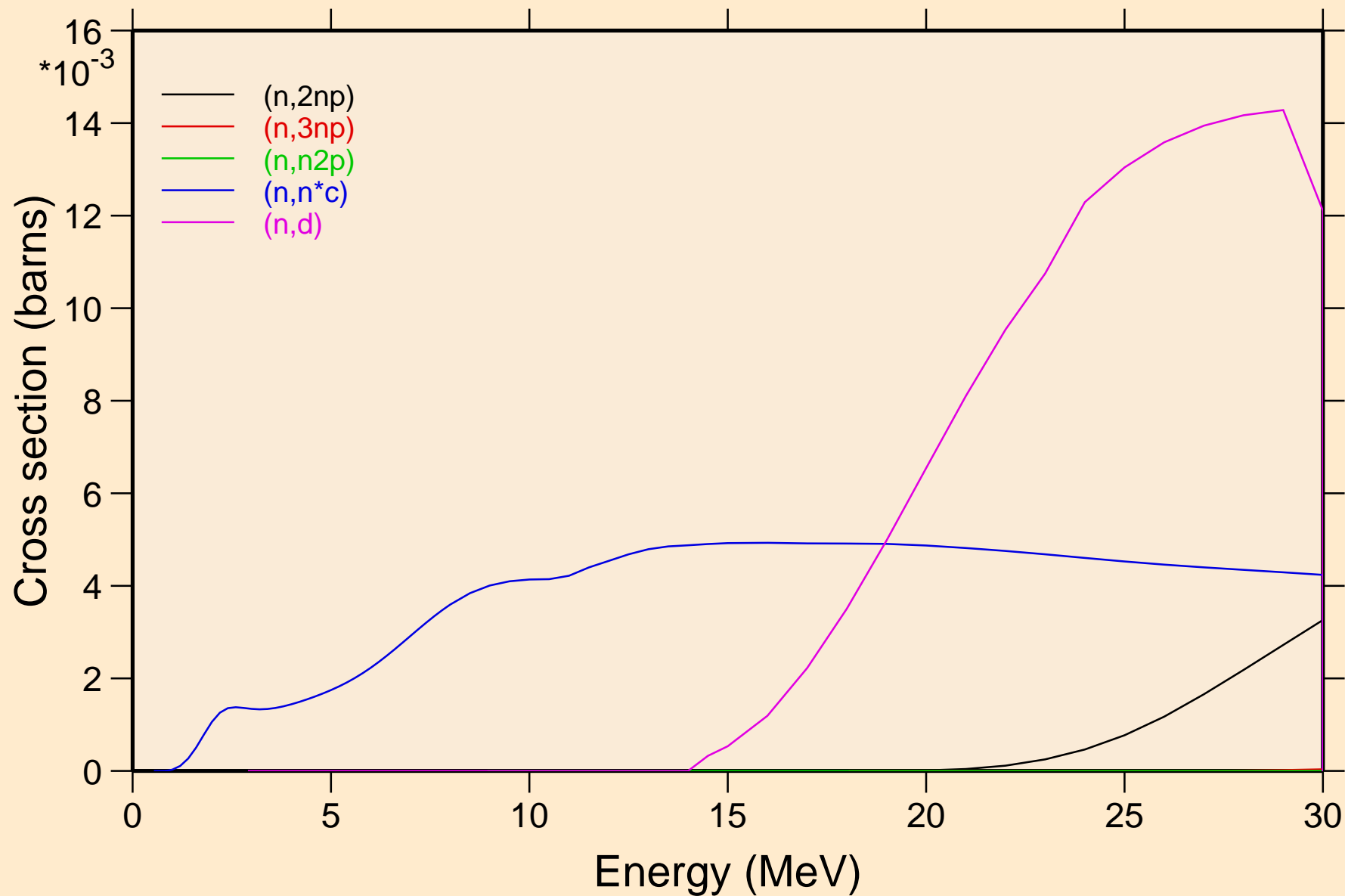


# TH224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

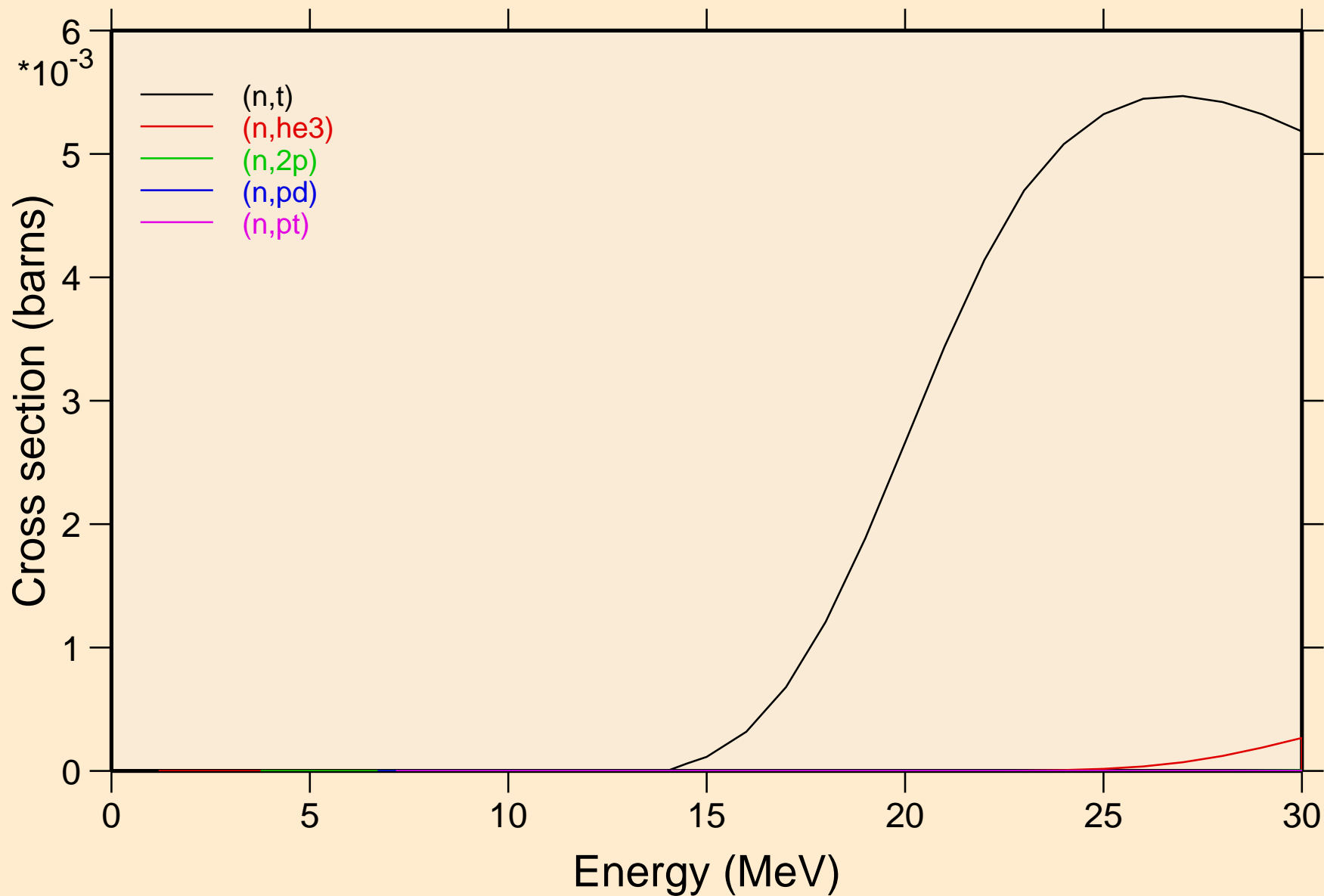
## Threshold reactions



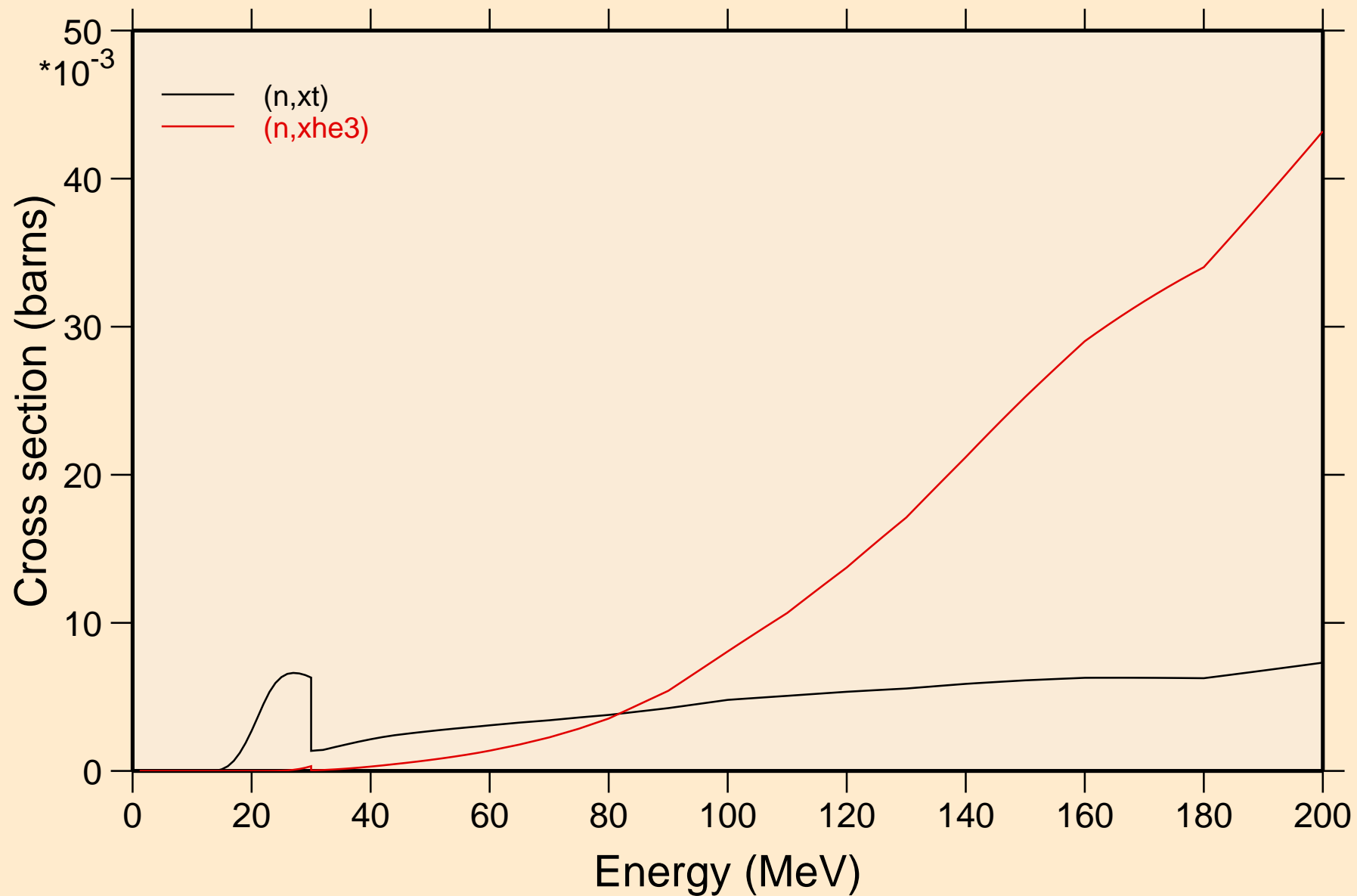
TH224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



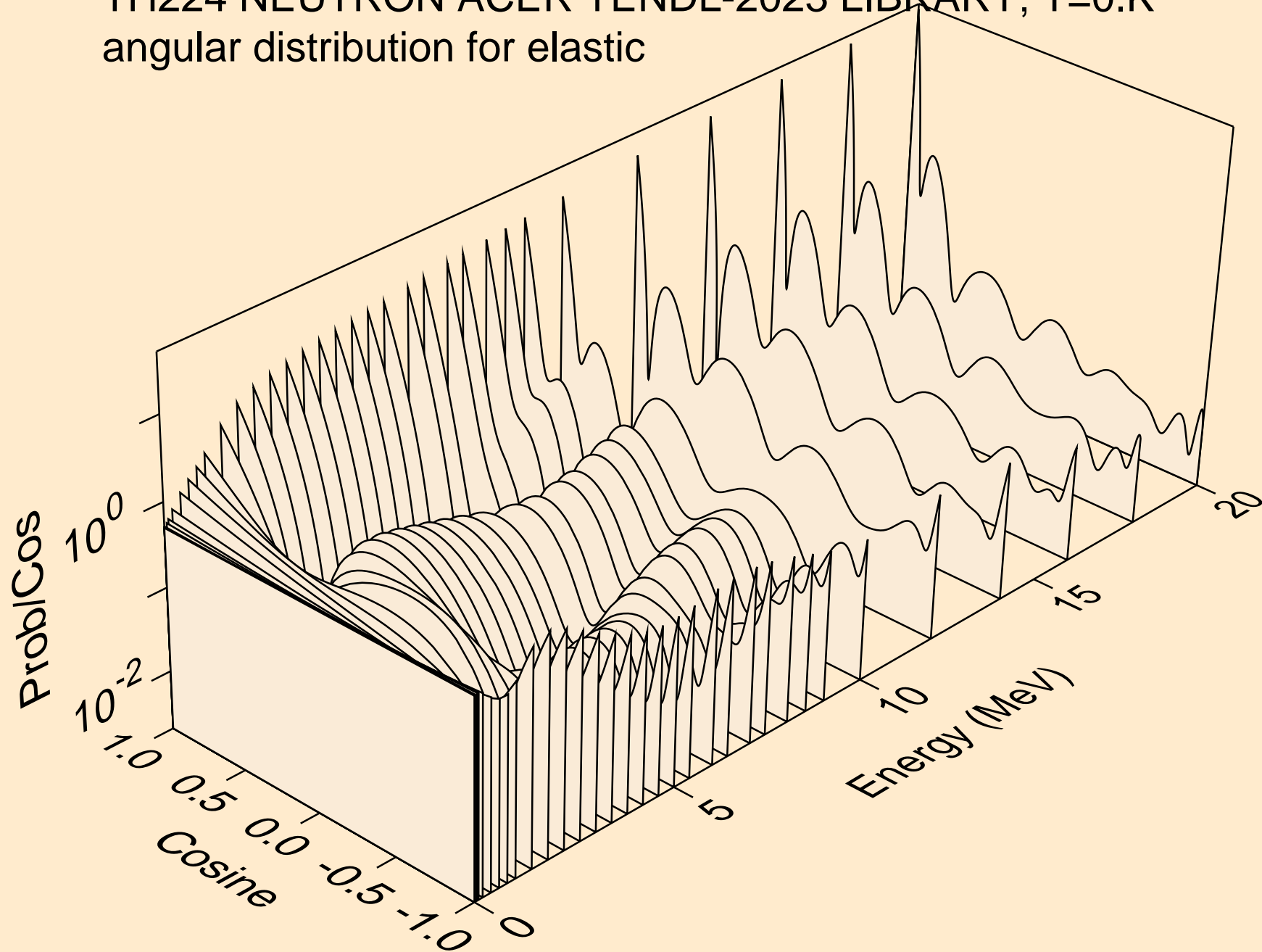
TH224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



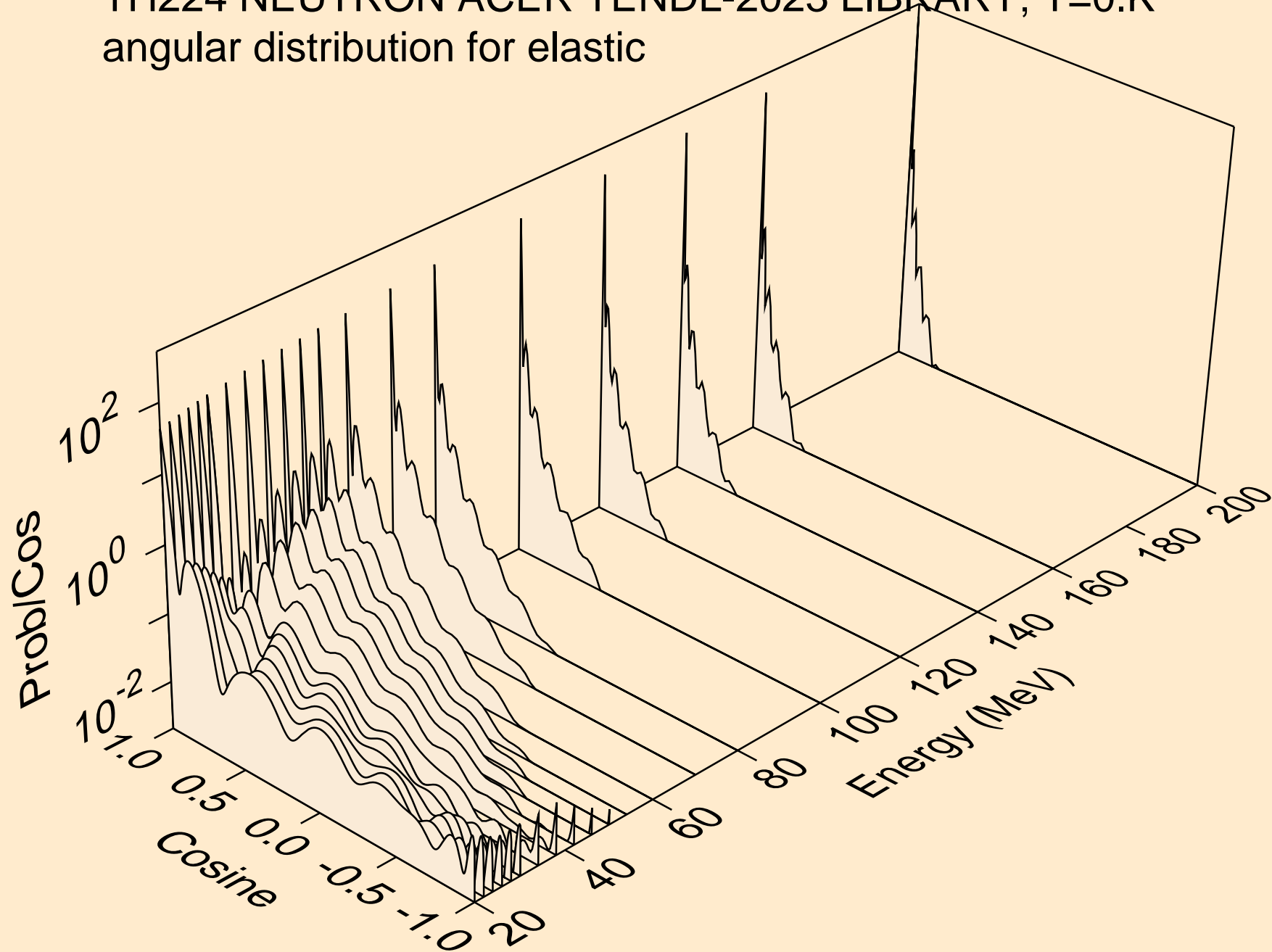
TH224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



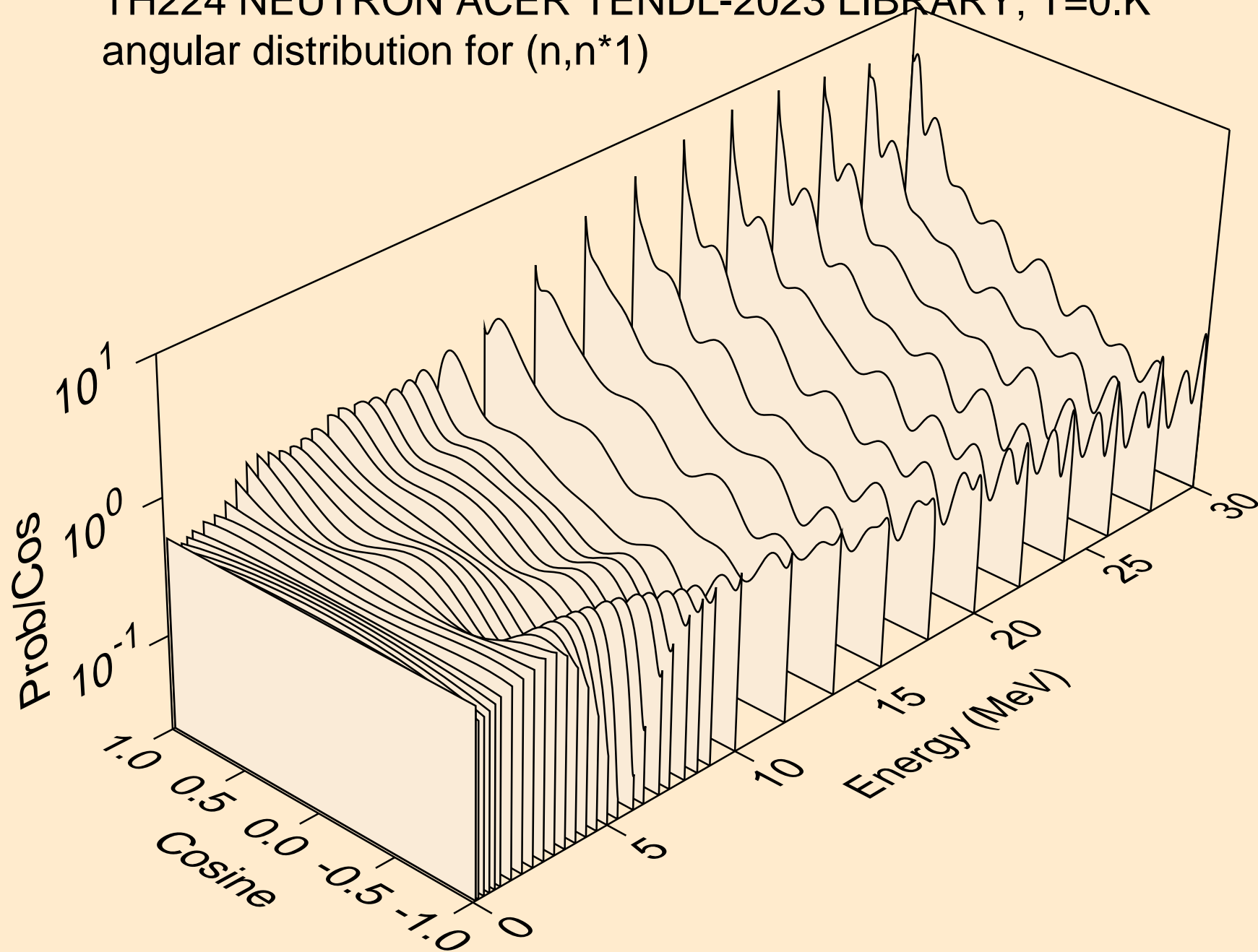
TH224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



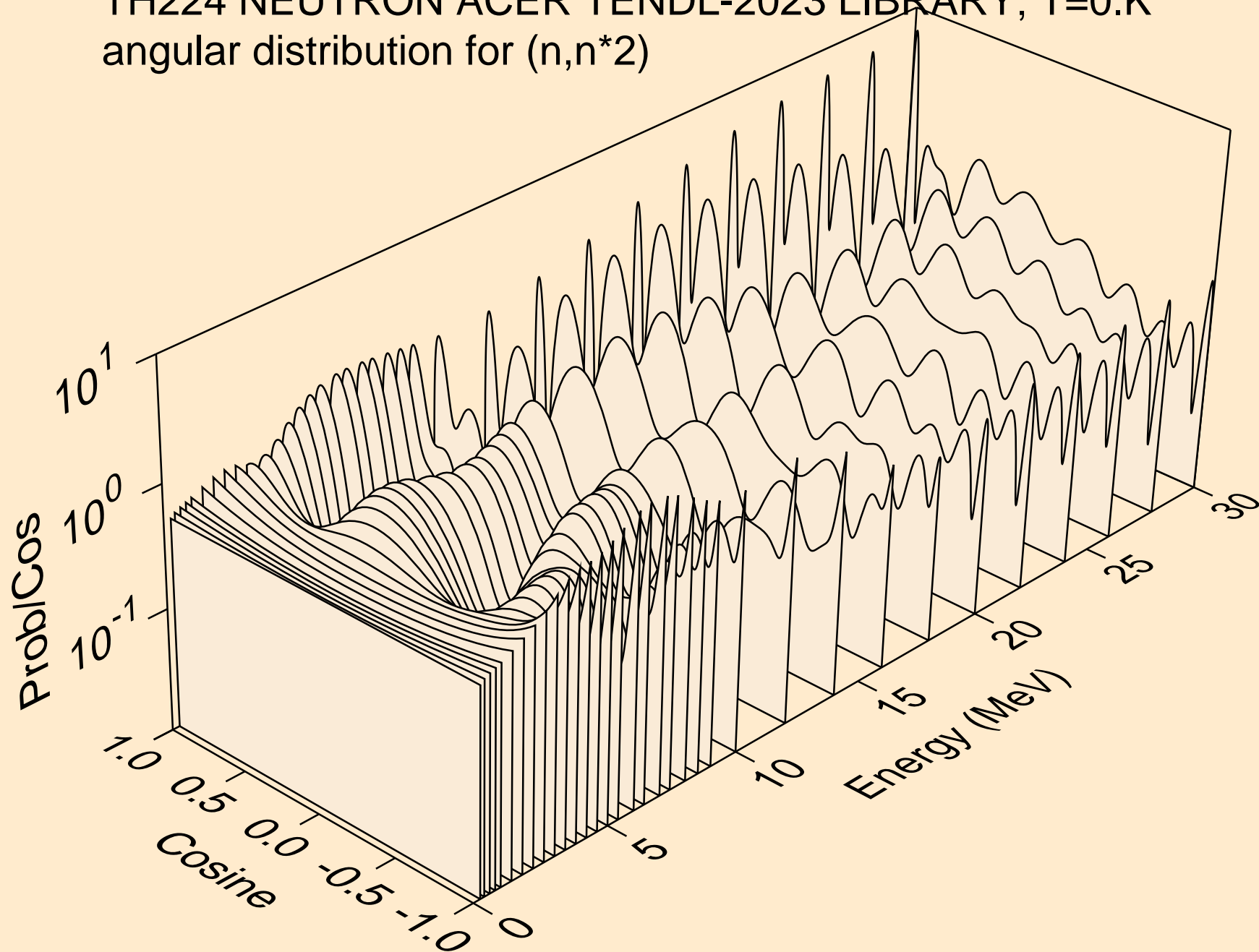
TH224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



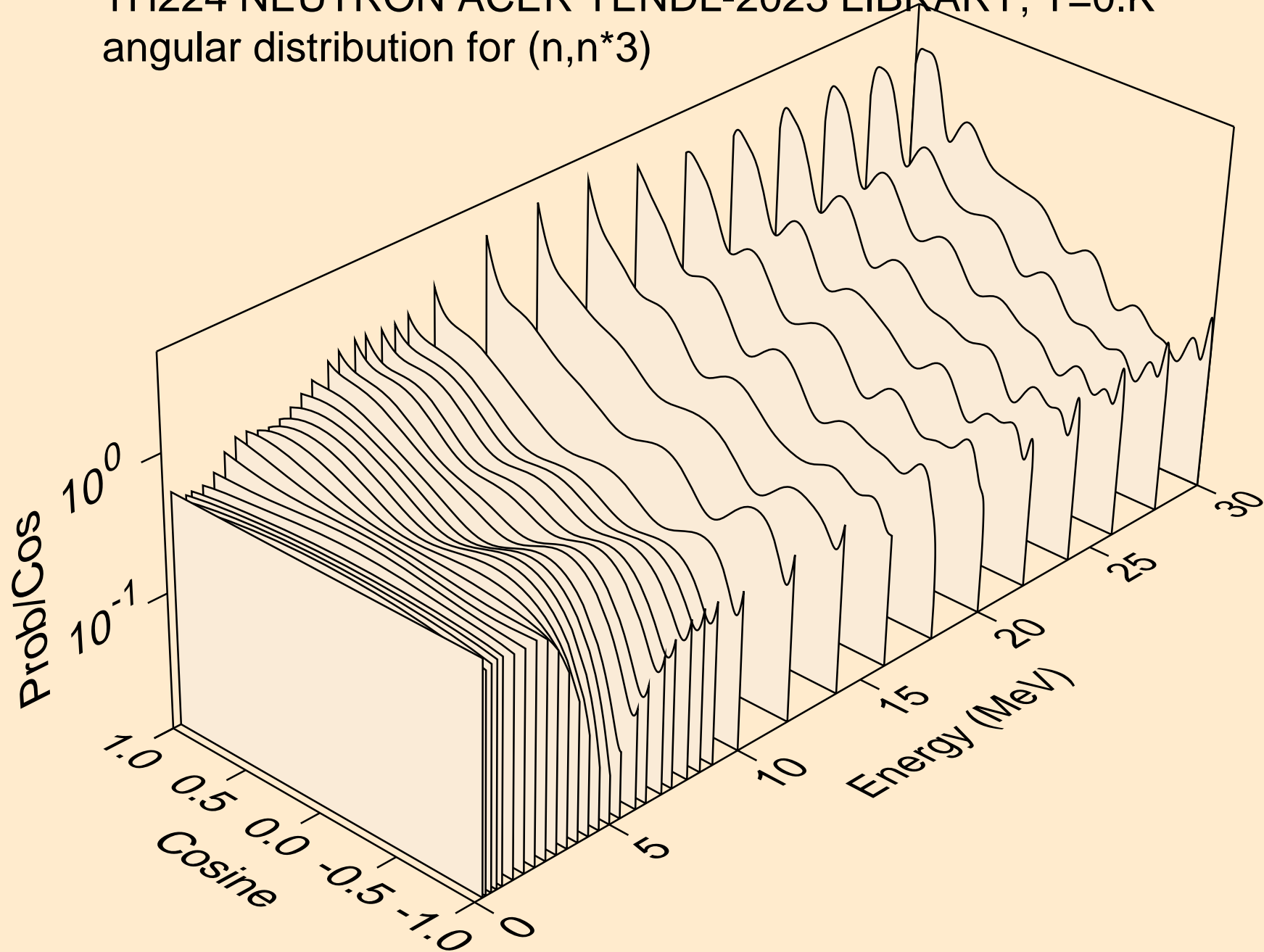
TH224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



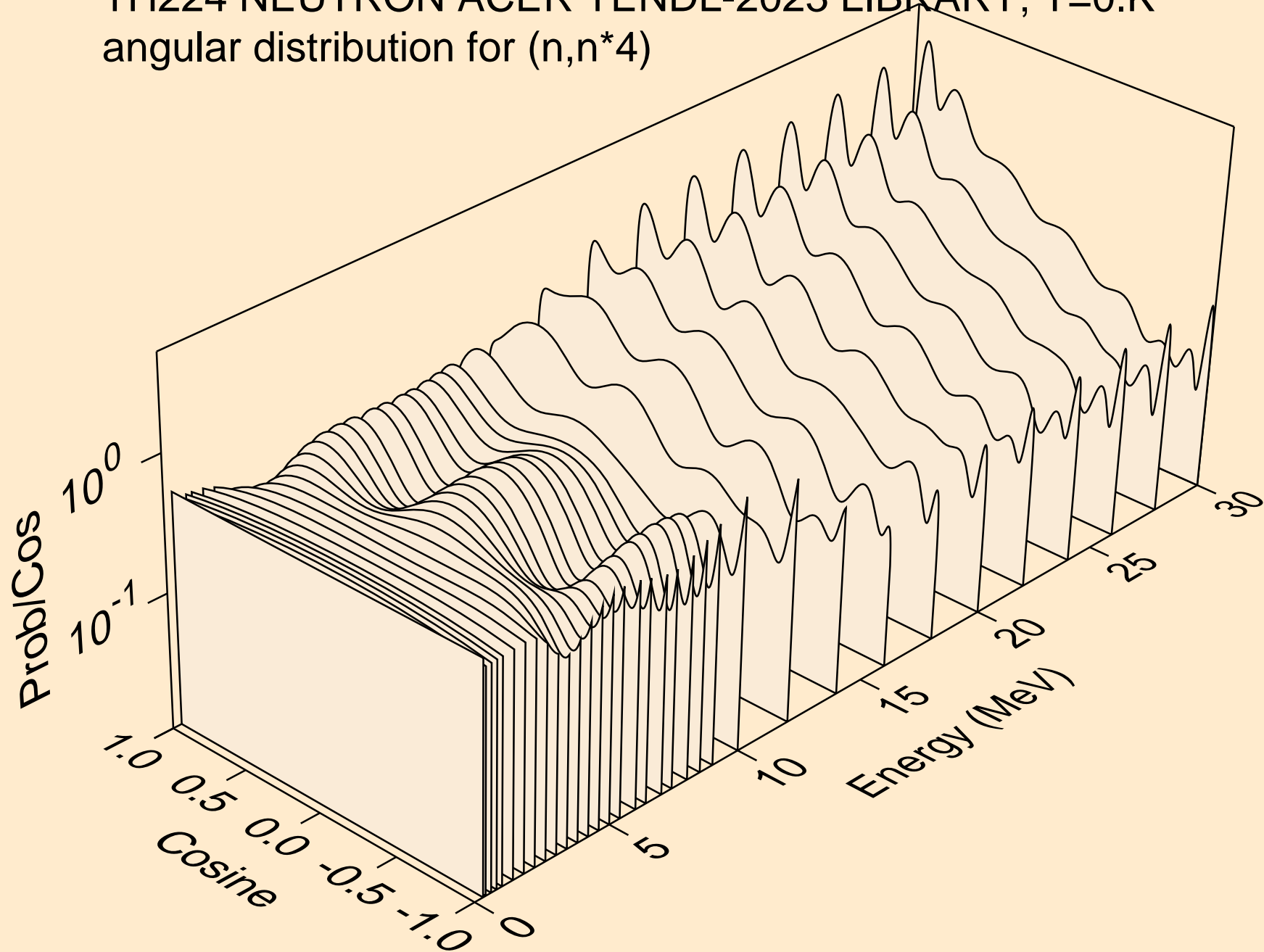
TH224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*2)



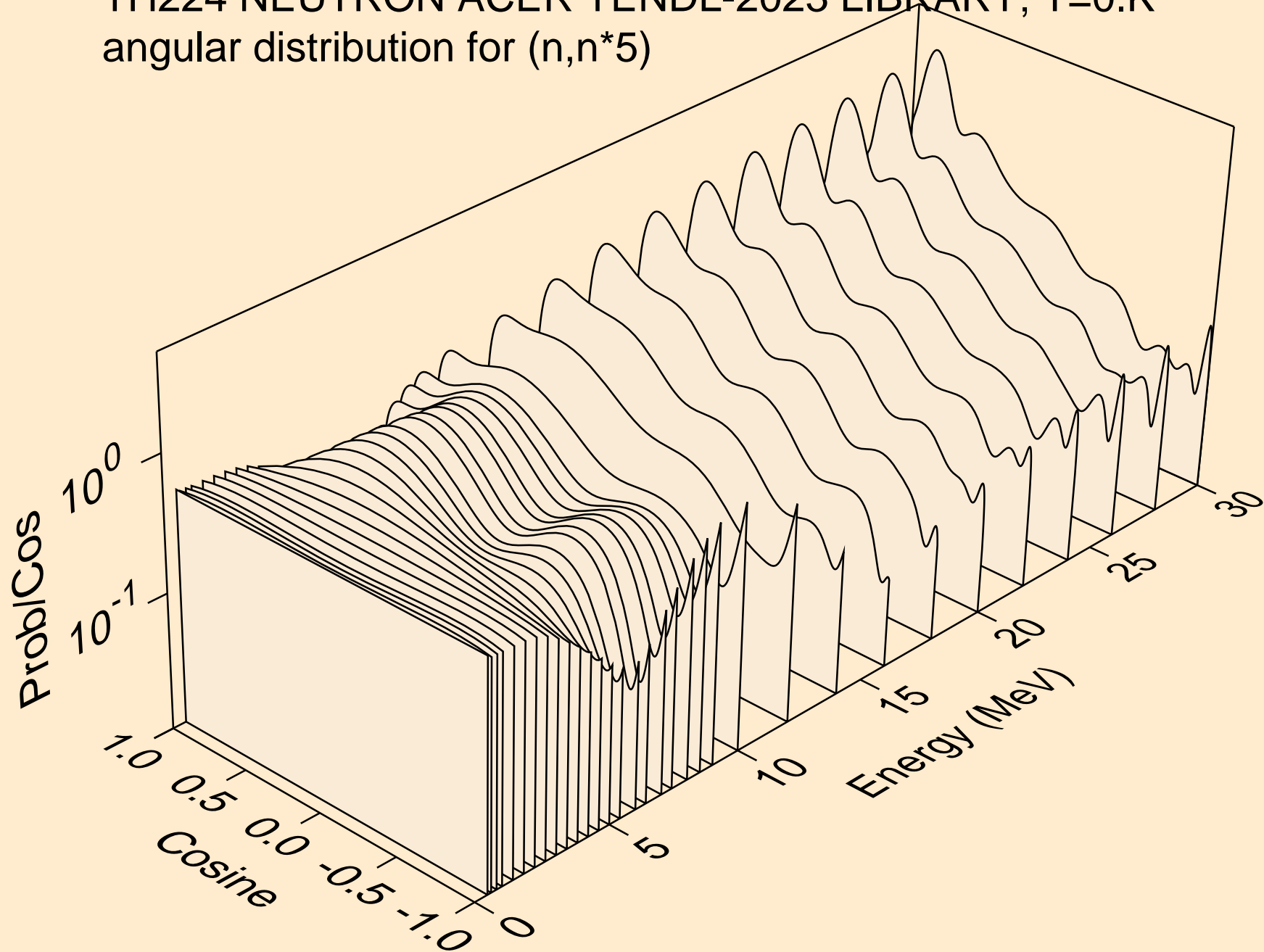
TH224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*3)



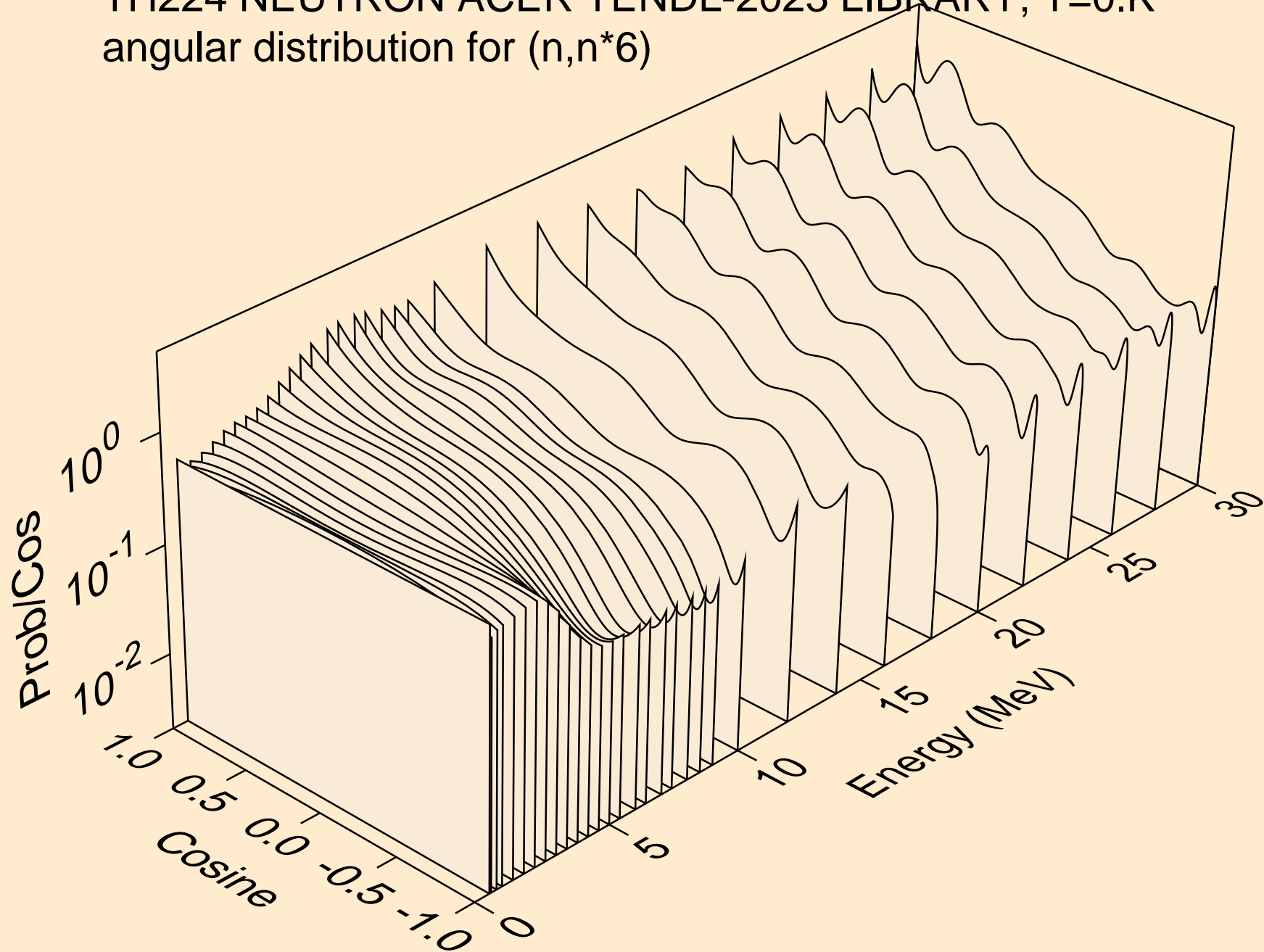
TH224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*4)



TH224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*5)

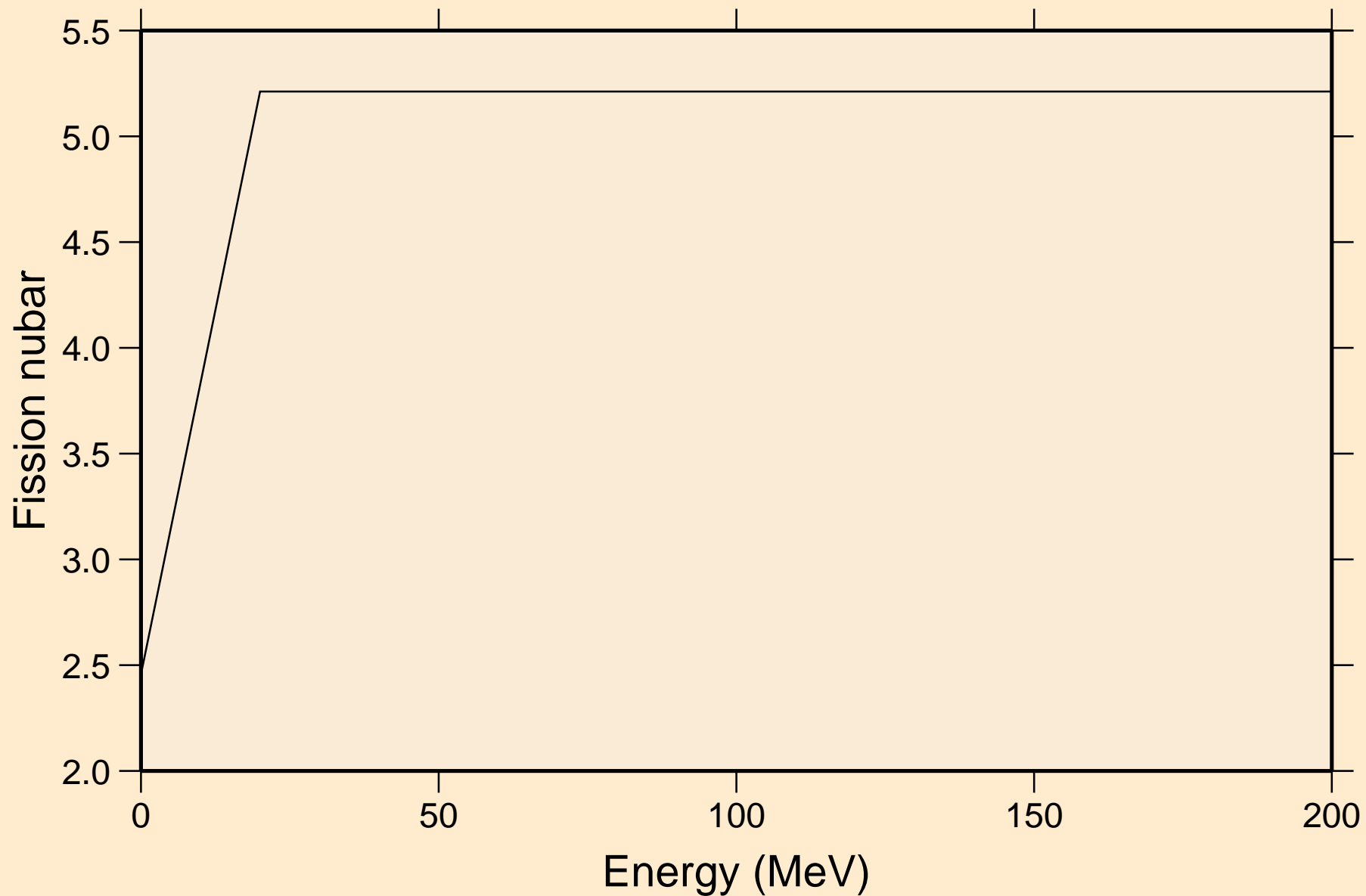


TH224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*6)

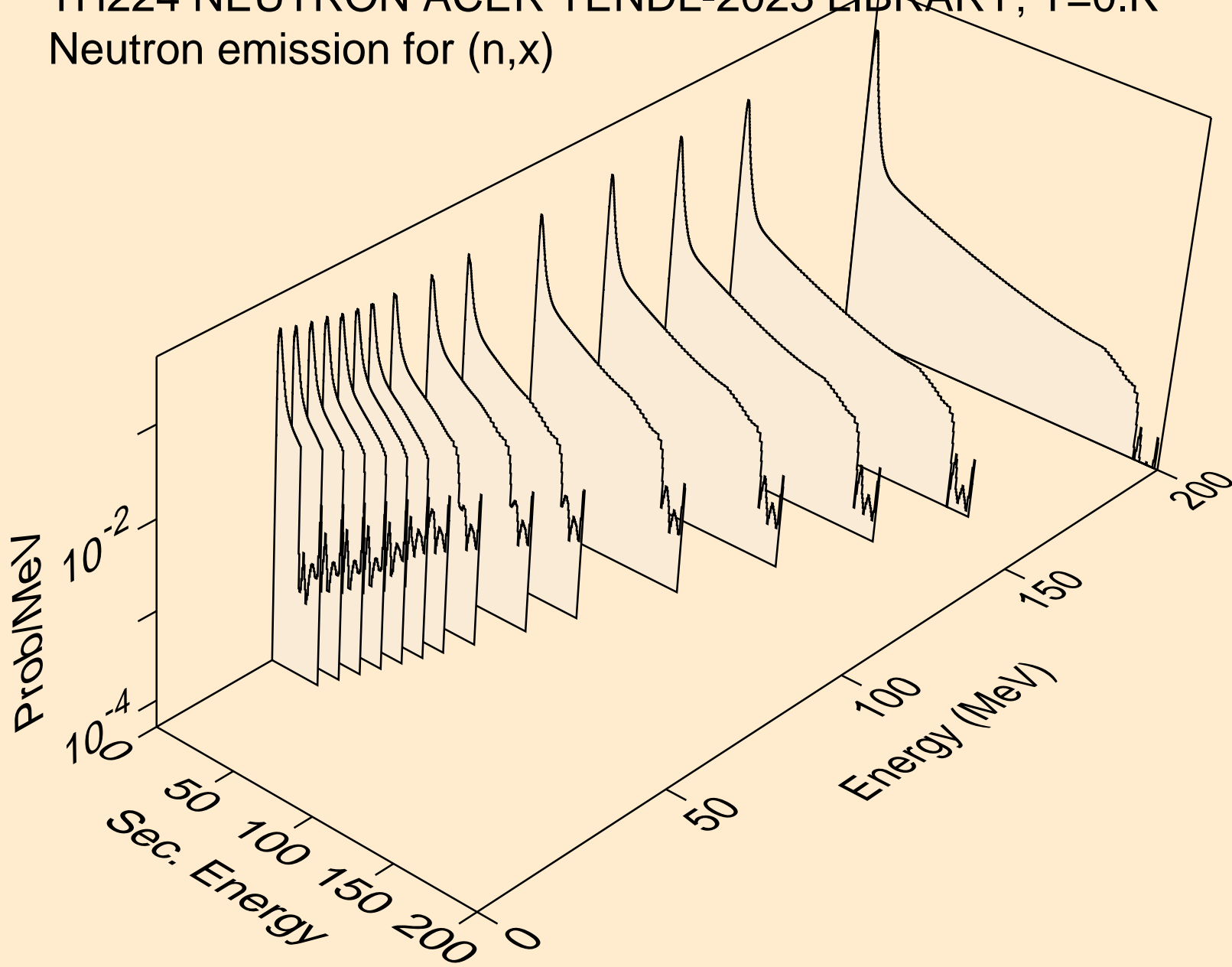


TH224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

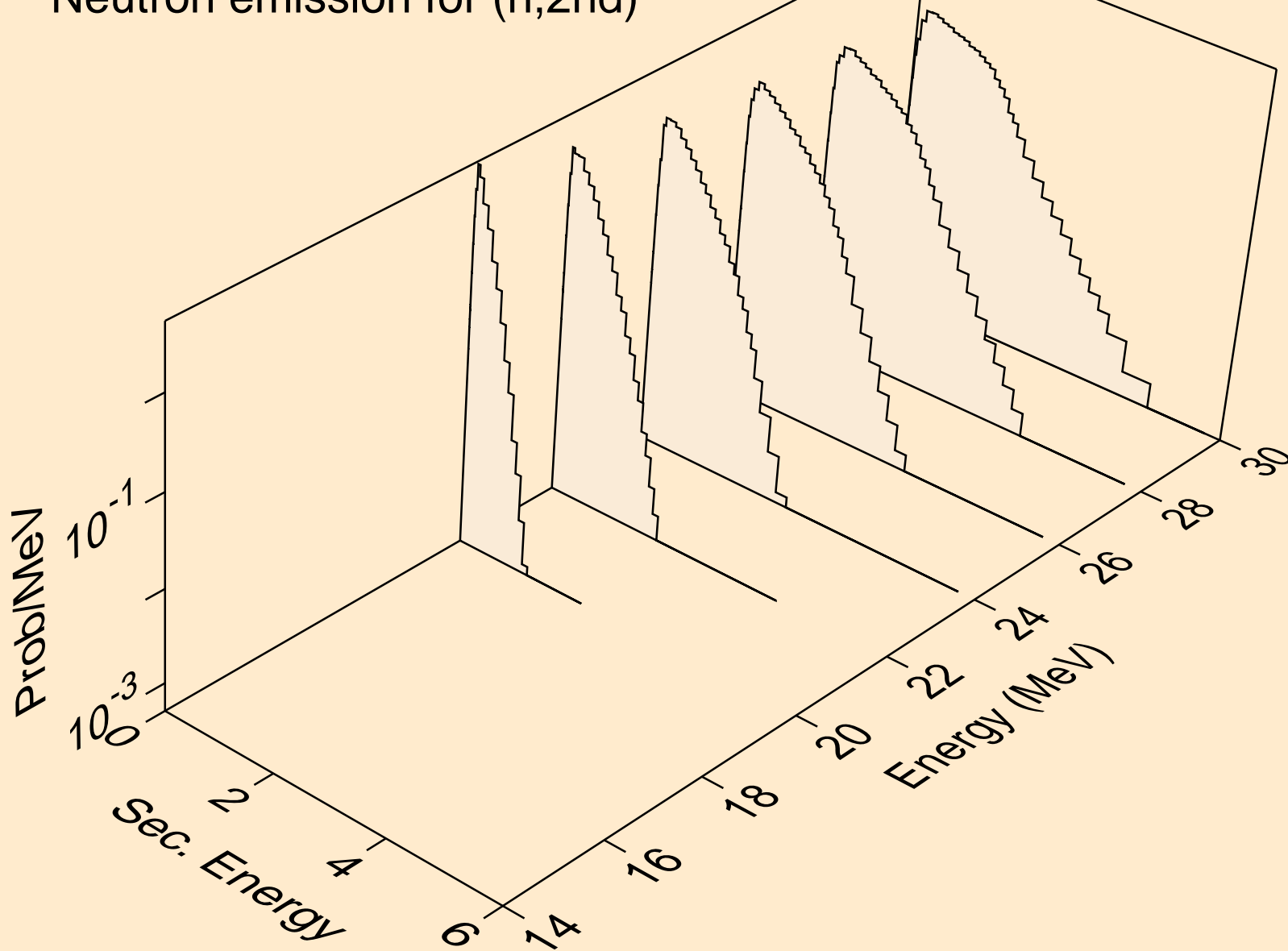
Total fission nubar



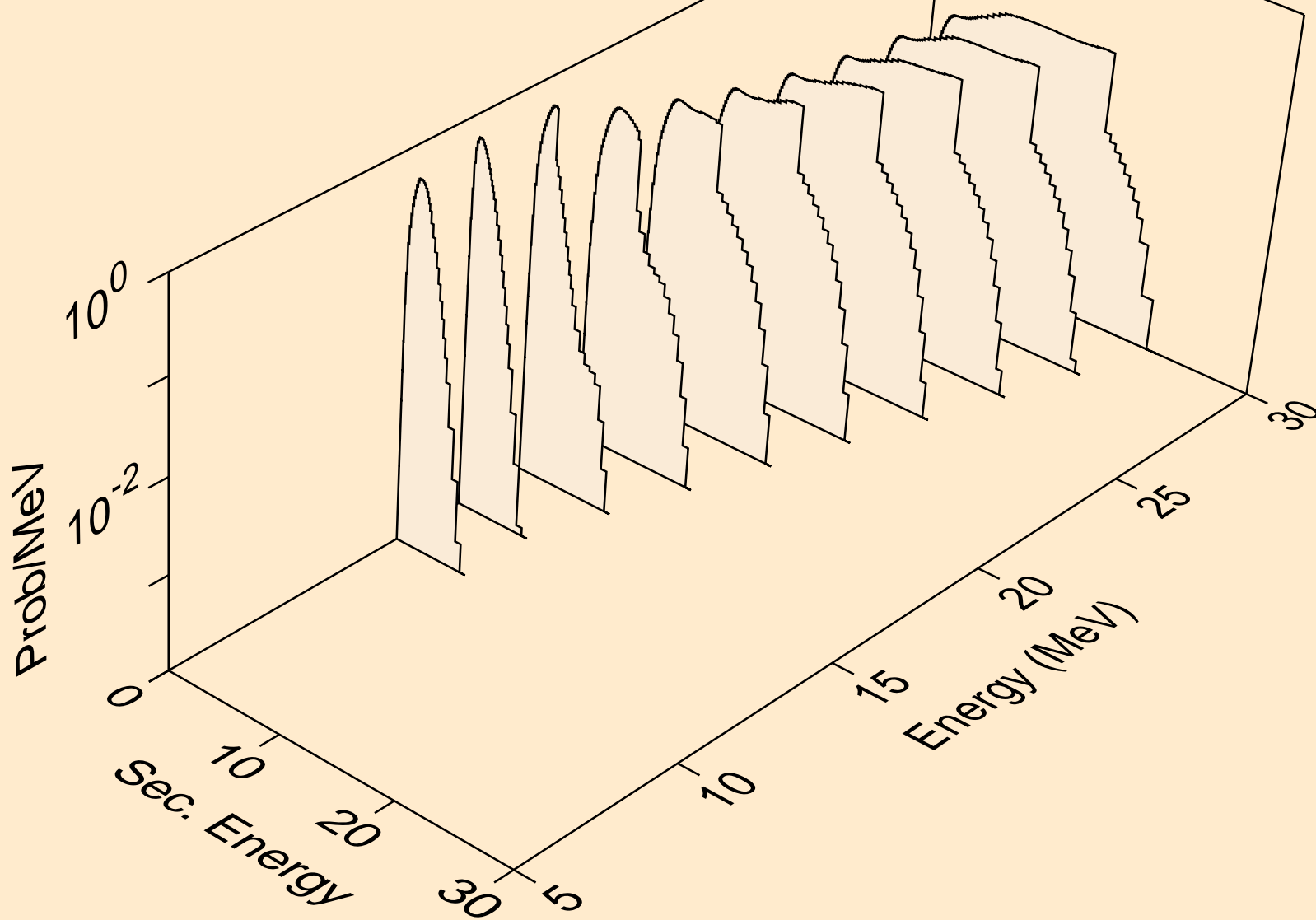
TH224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,x)



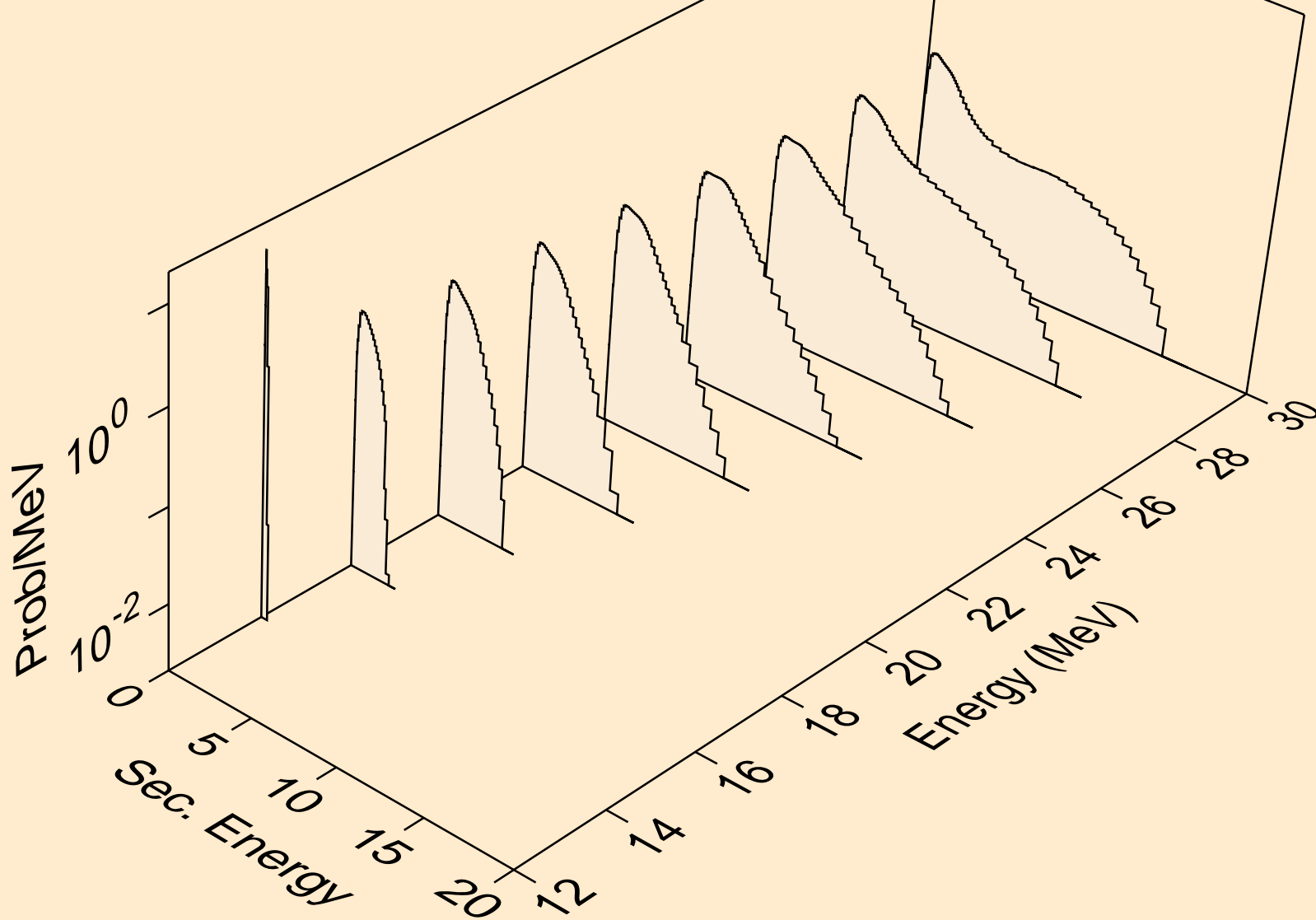
TH224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



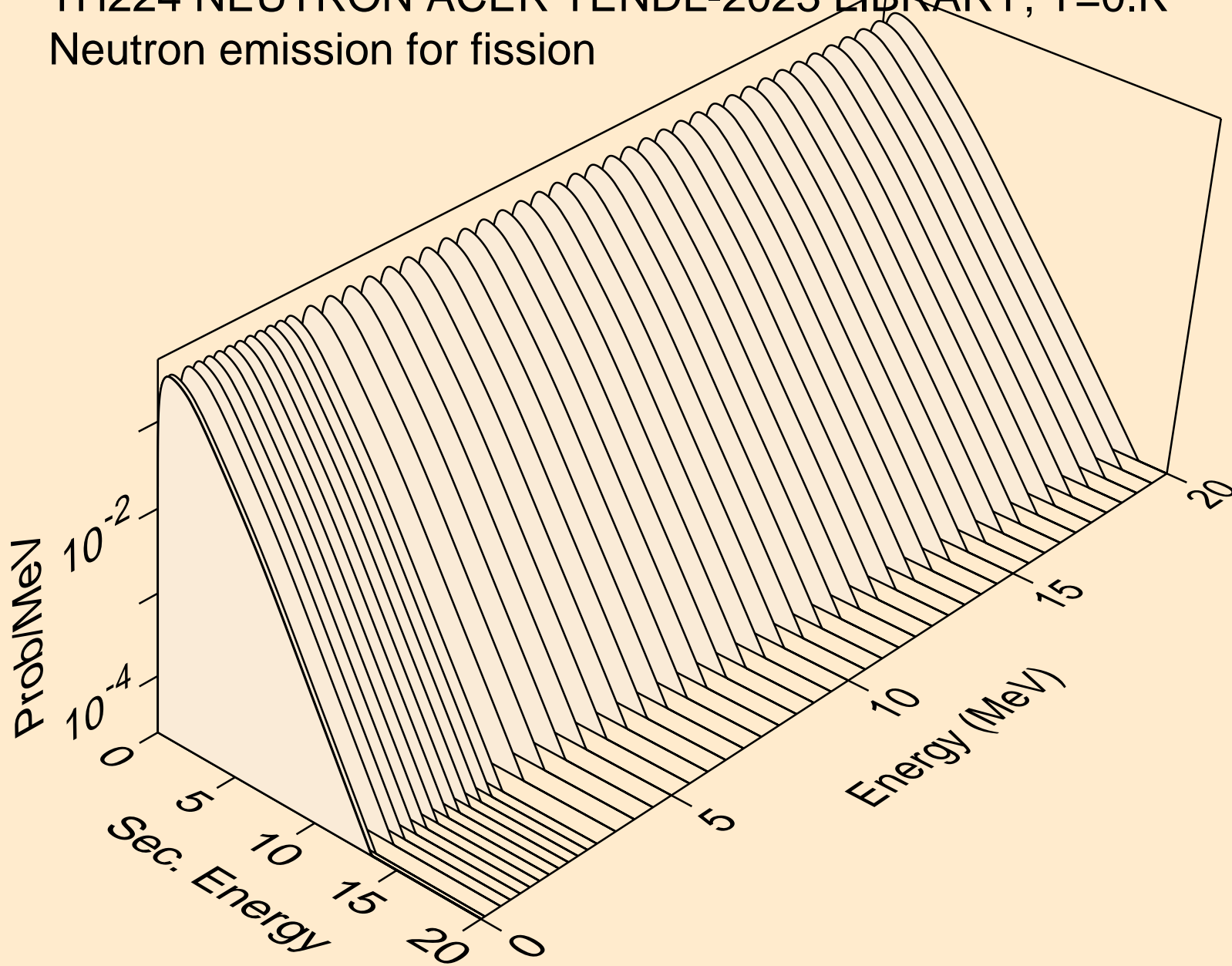
TH224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)



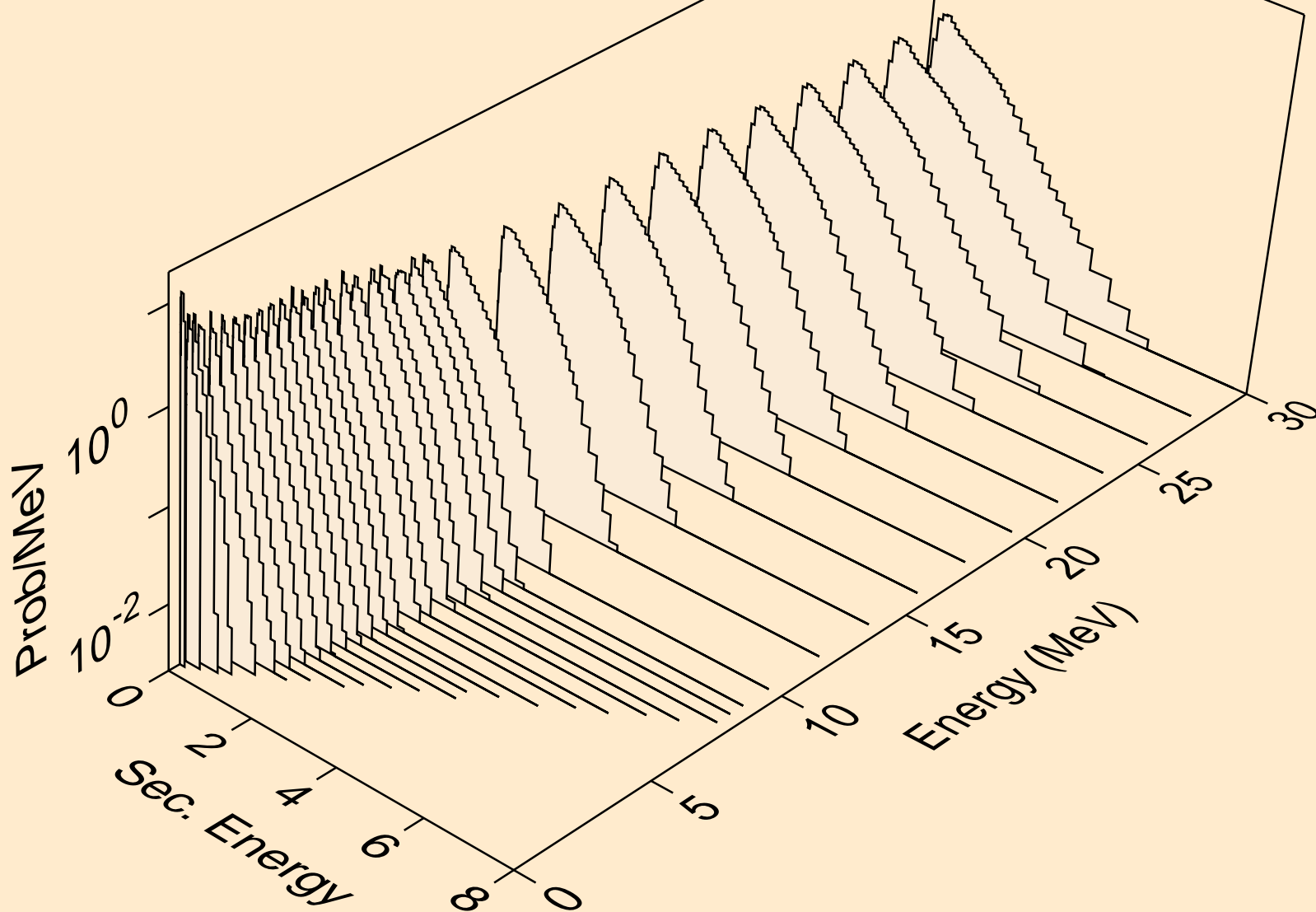
TH224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)



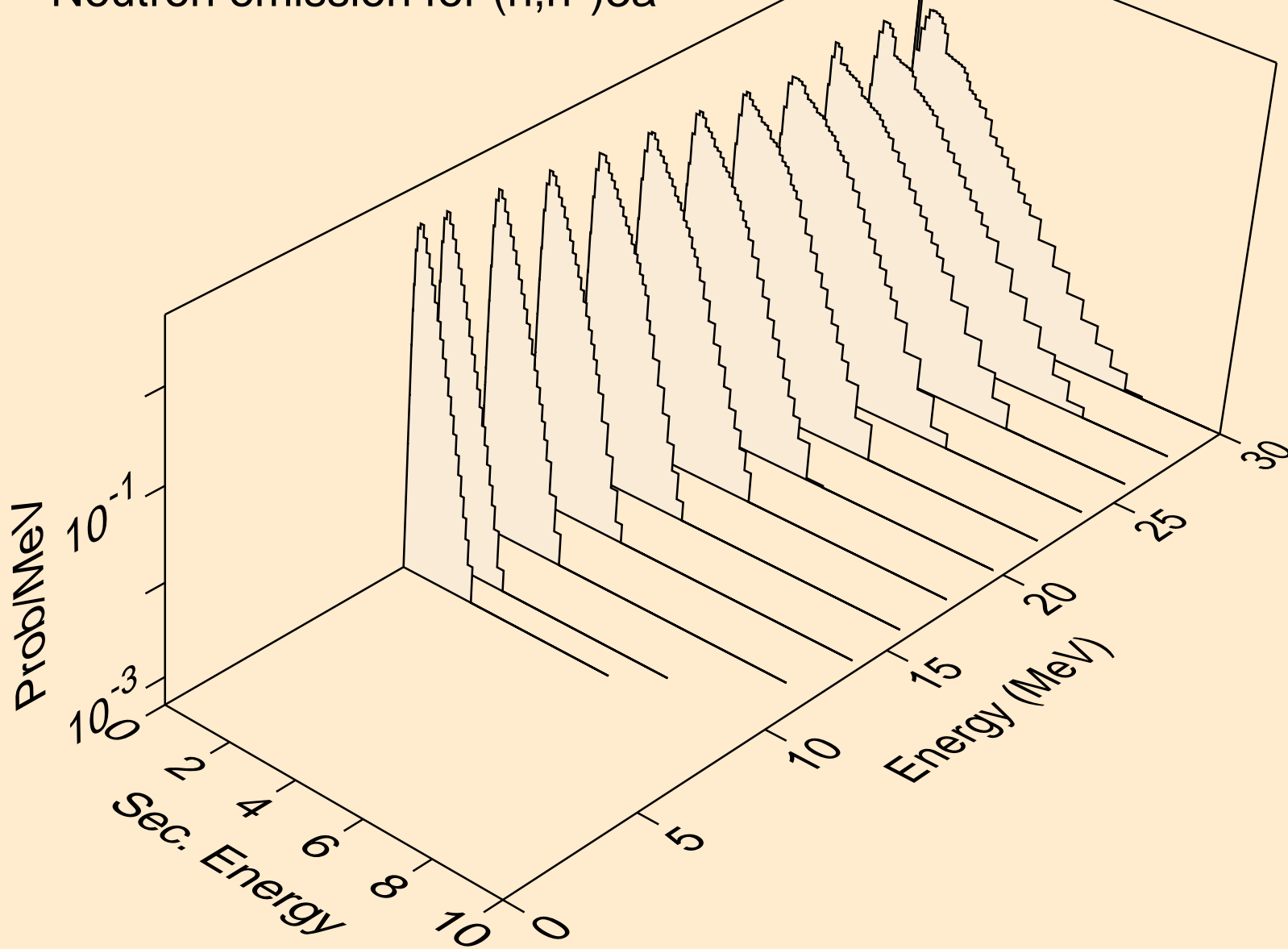
TH224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for fission



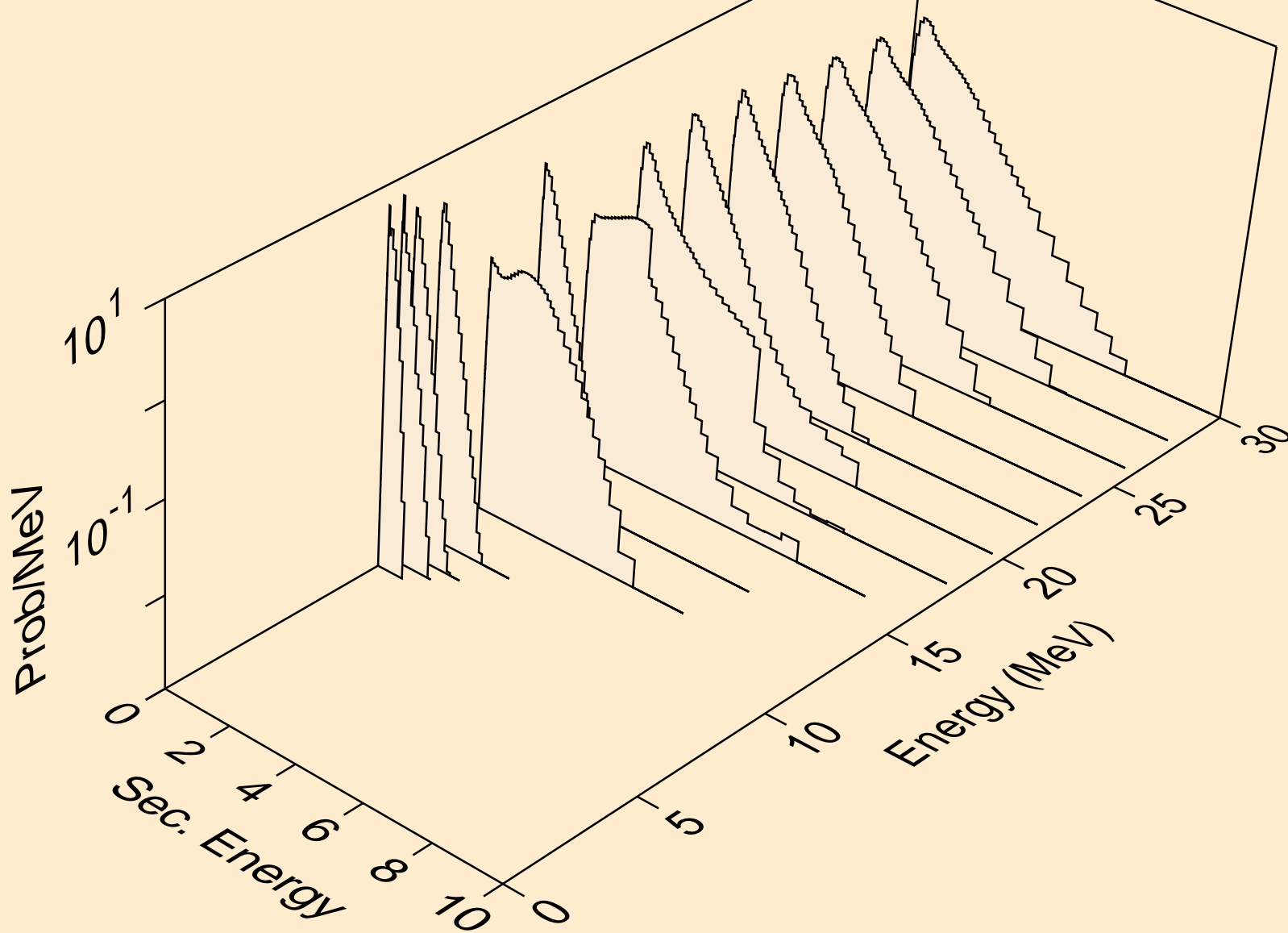
TH224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



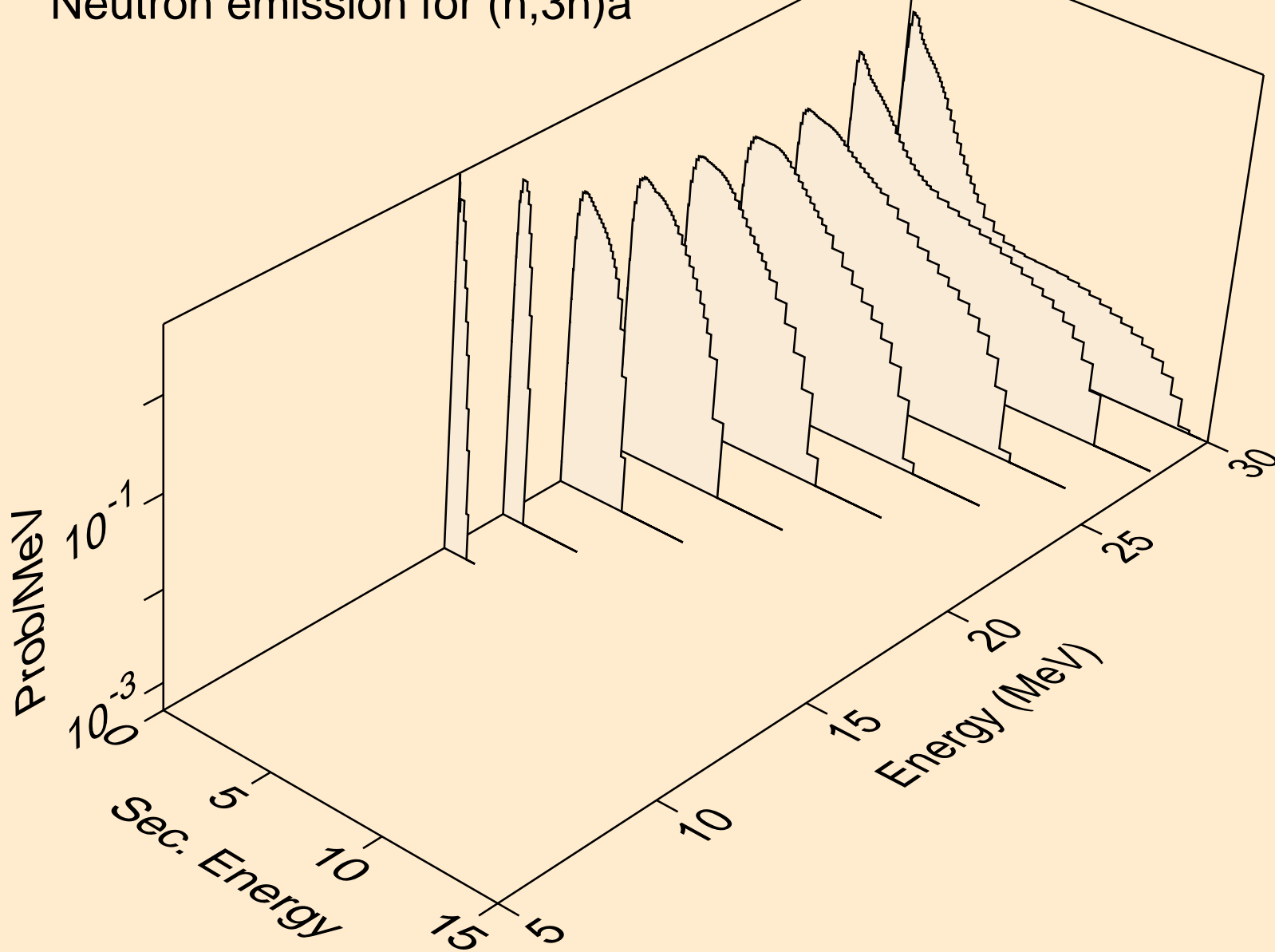
TH224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)3a



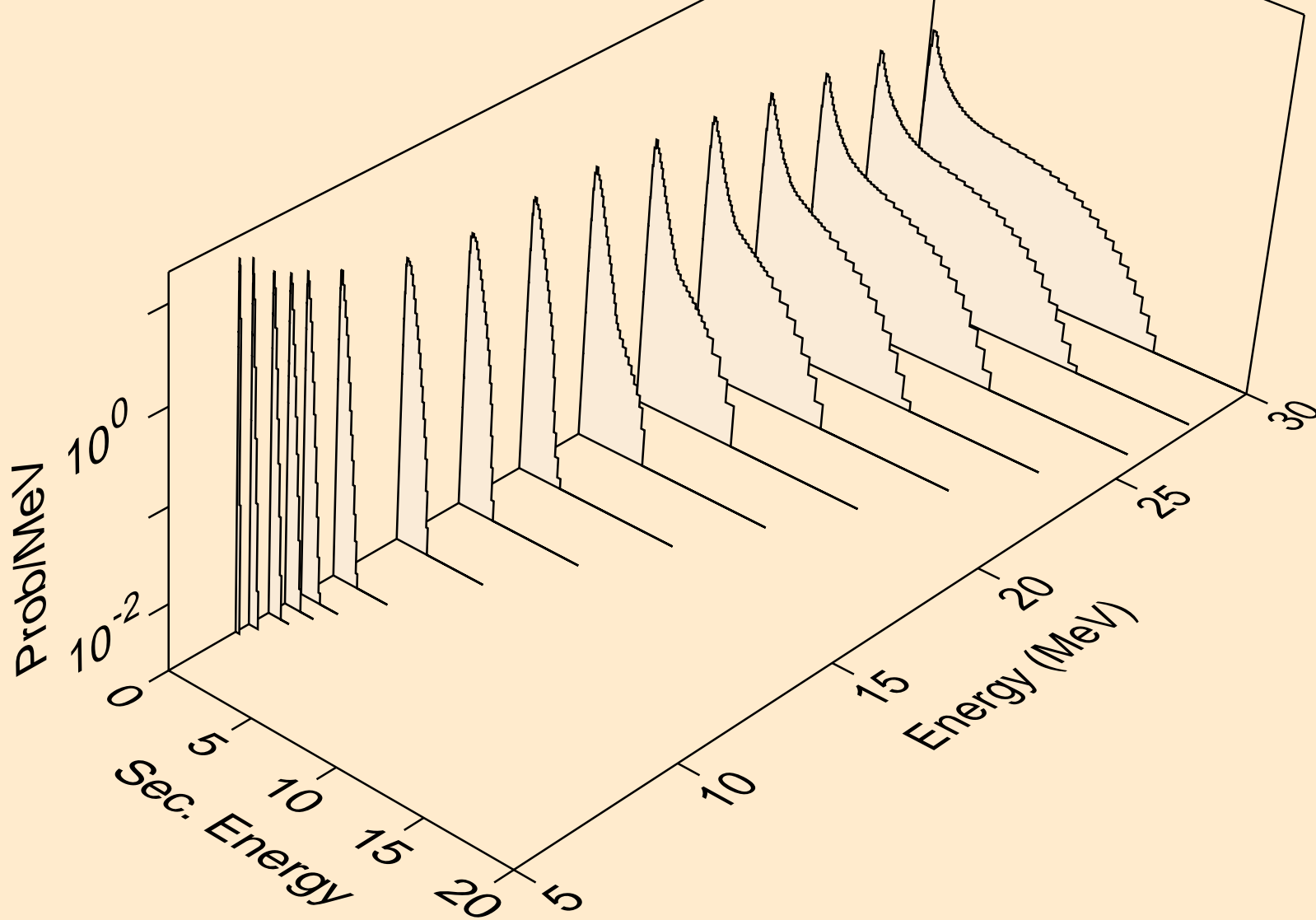
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Neutron emission for (n,2n)a



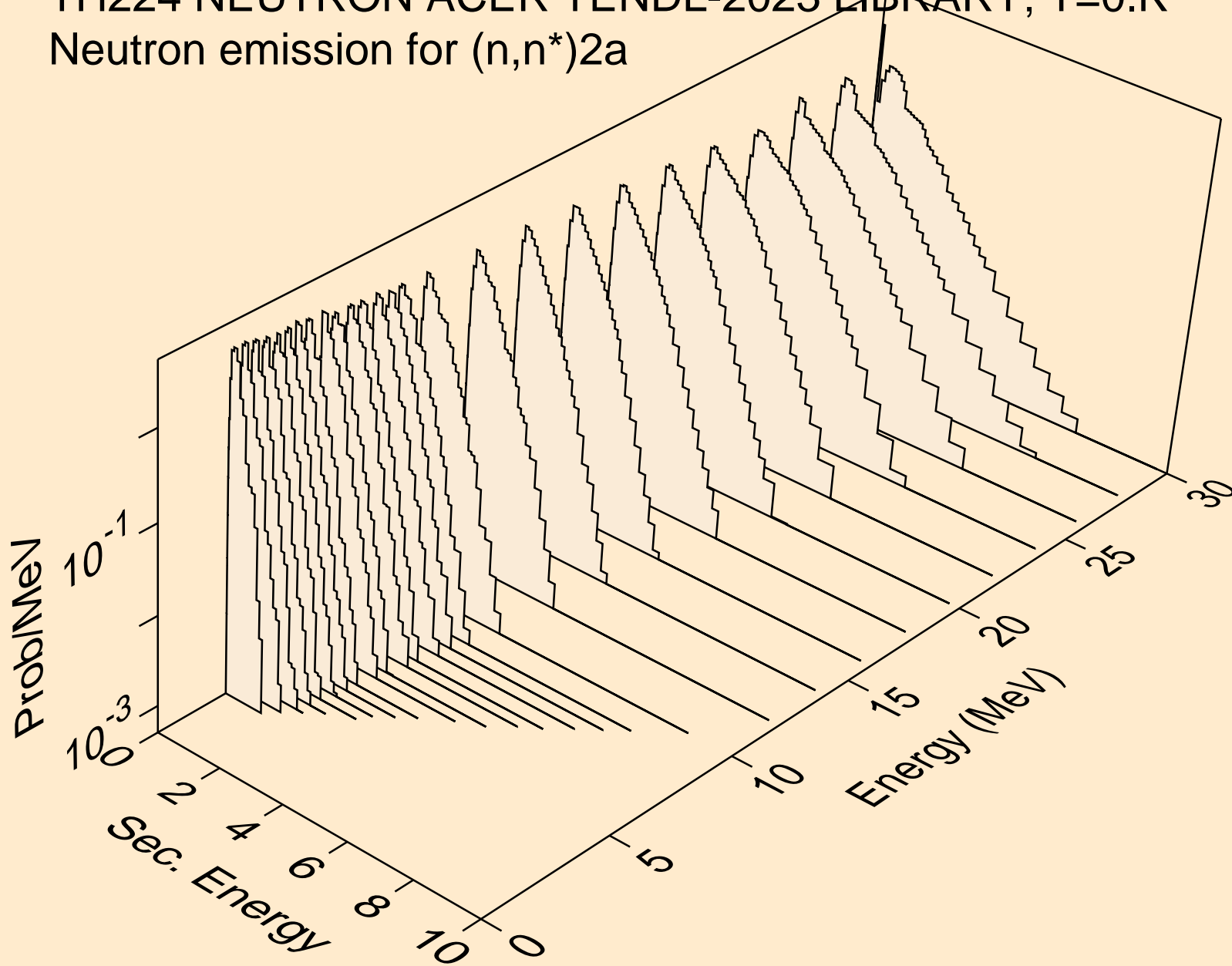
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Neutron emission for (n,3n)a



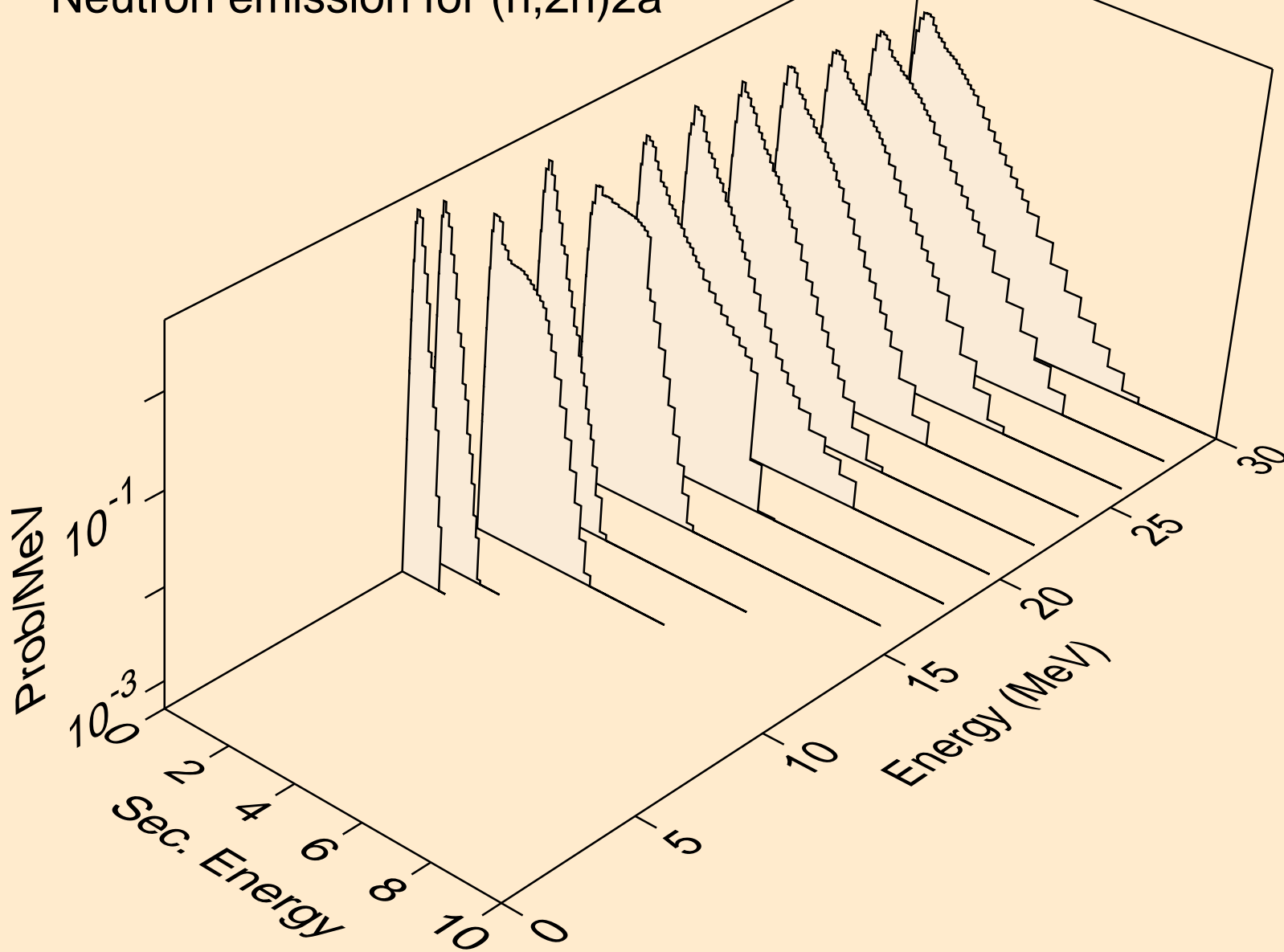
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Neutron emission for (n,n\*)p



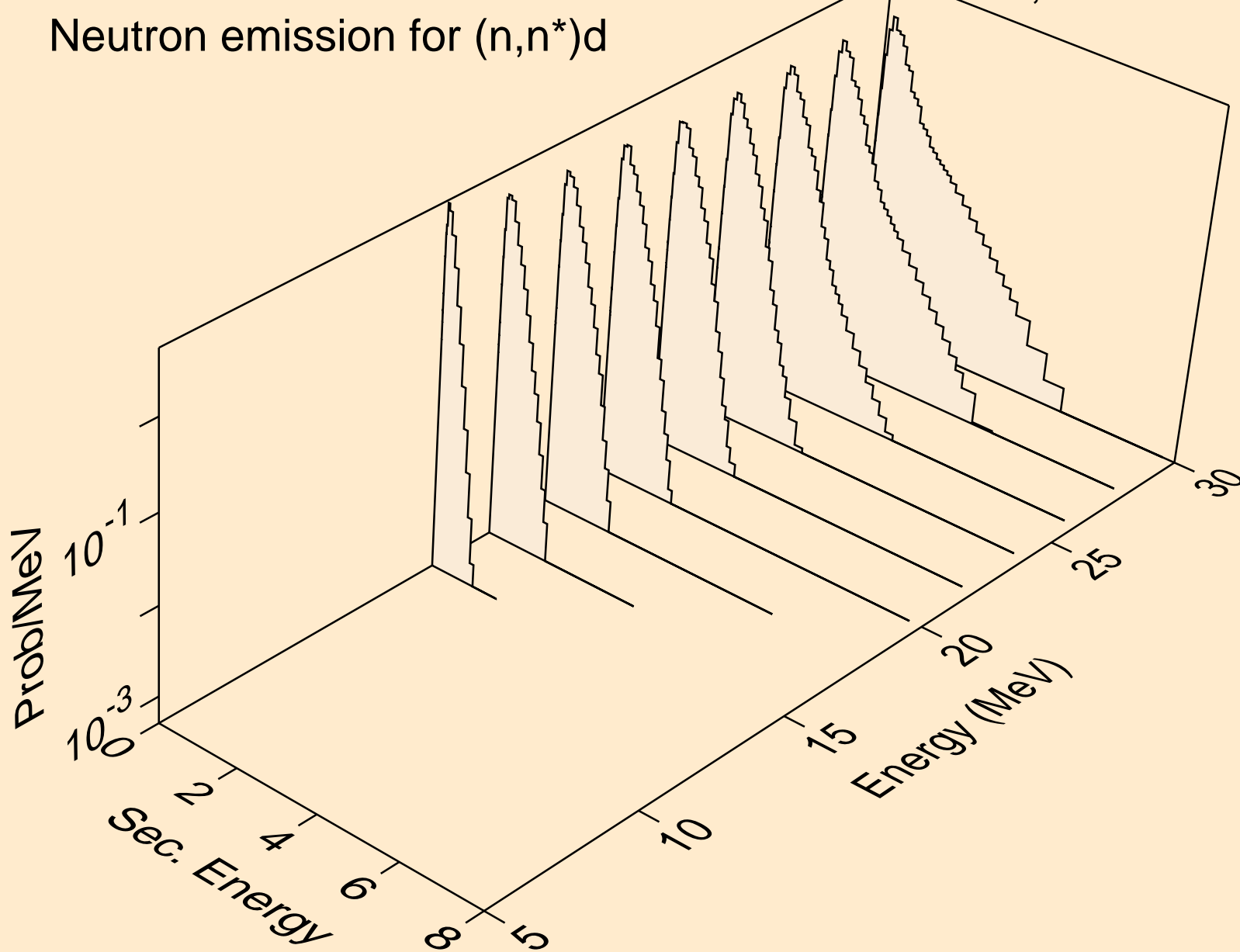
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Neutron emission for (n,n\*)2a



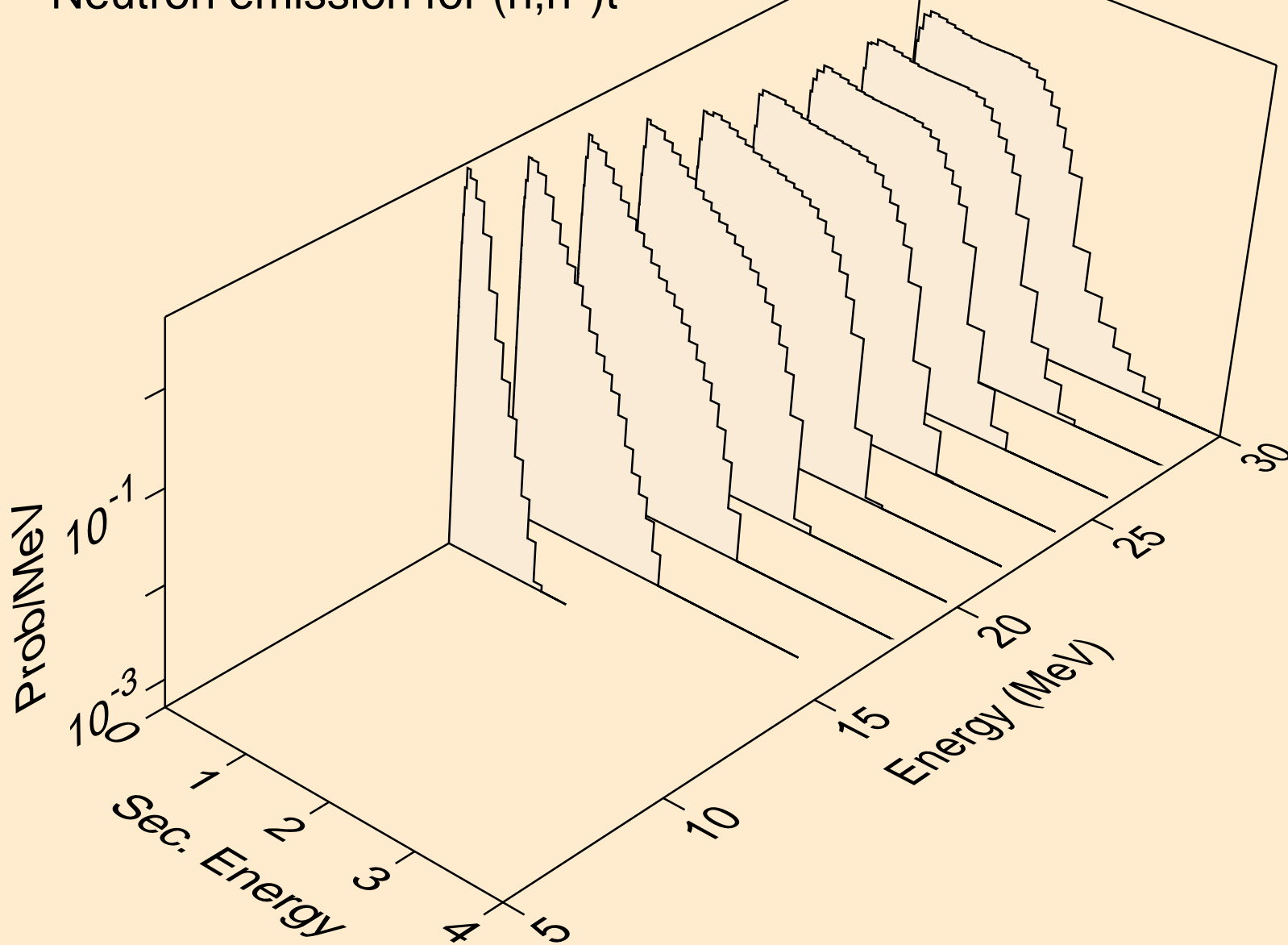
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Neutron emission for (n,2n)2a



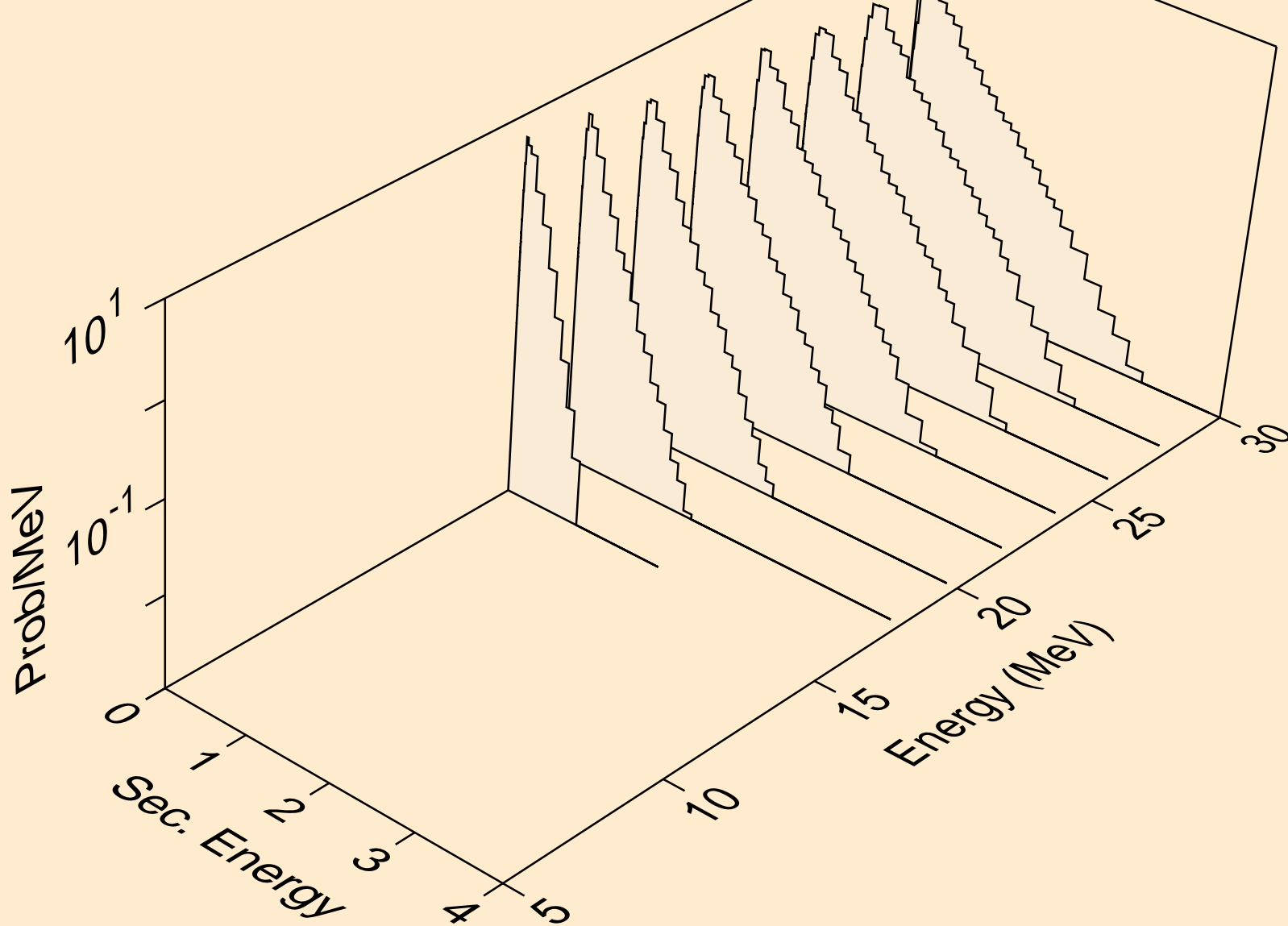
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Neutron emission for (n,n\*)d



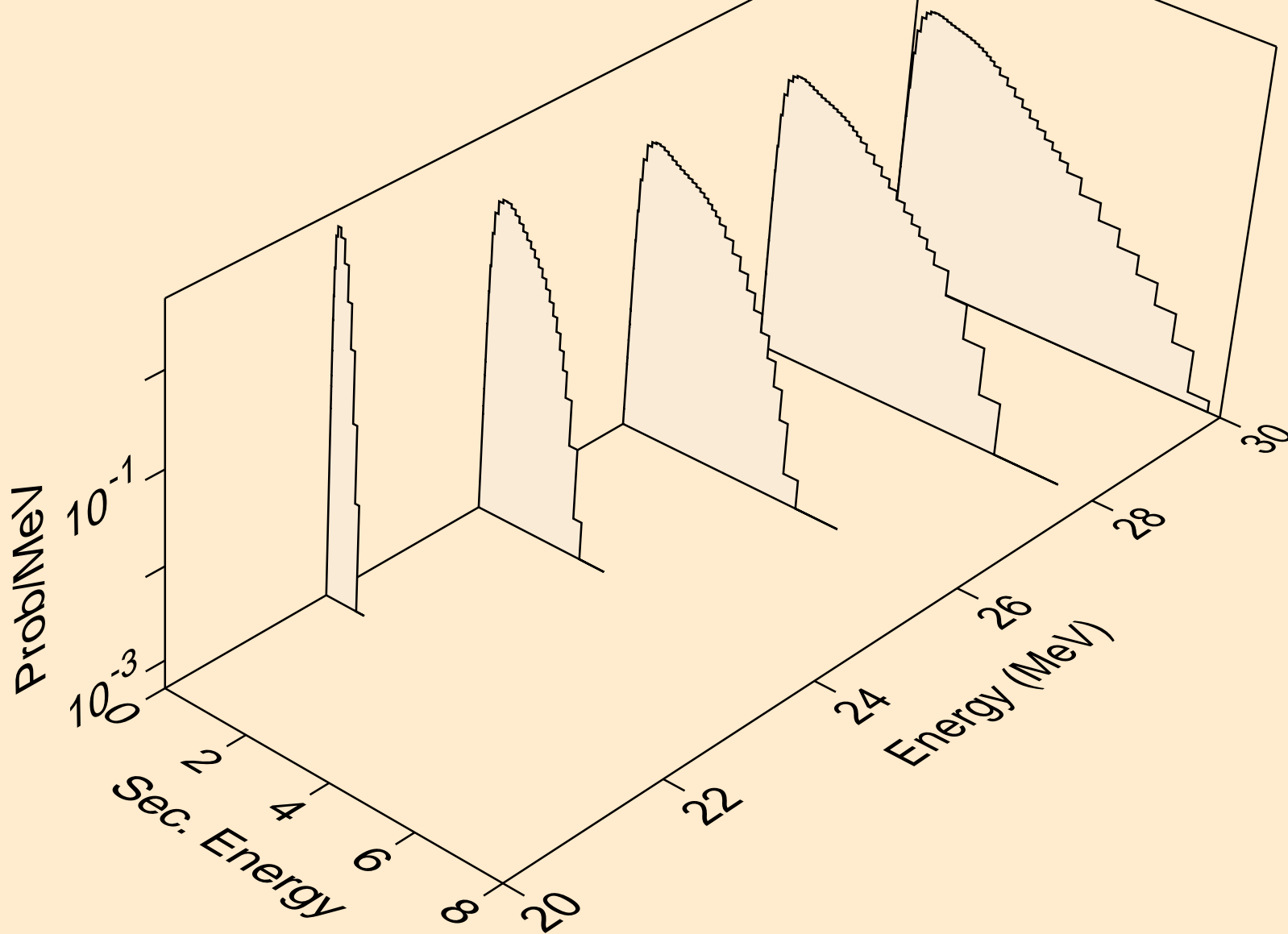
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Neutron emission for (n,n\*)t



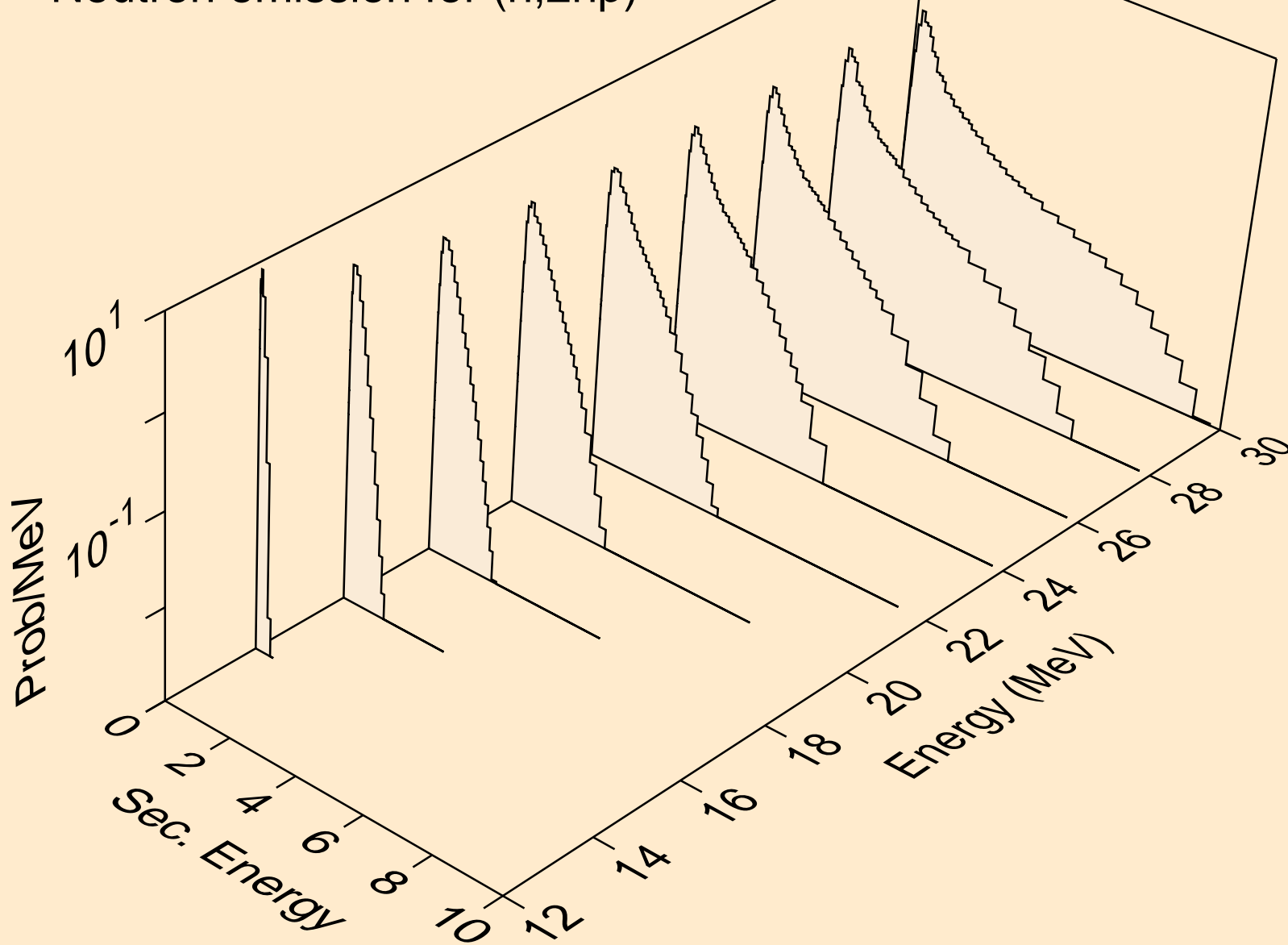
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Neutron emission for (n,n\*)he3



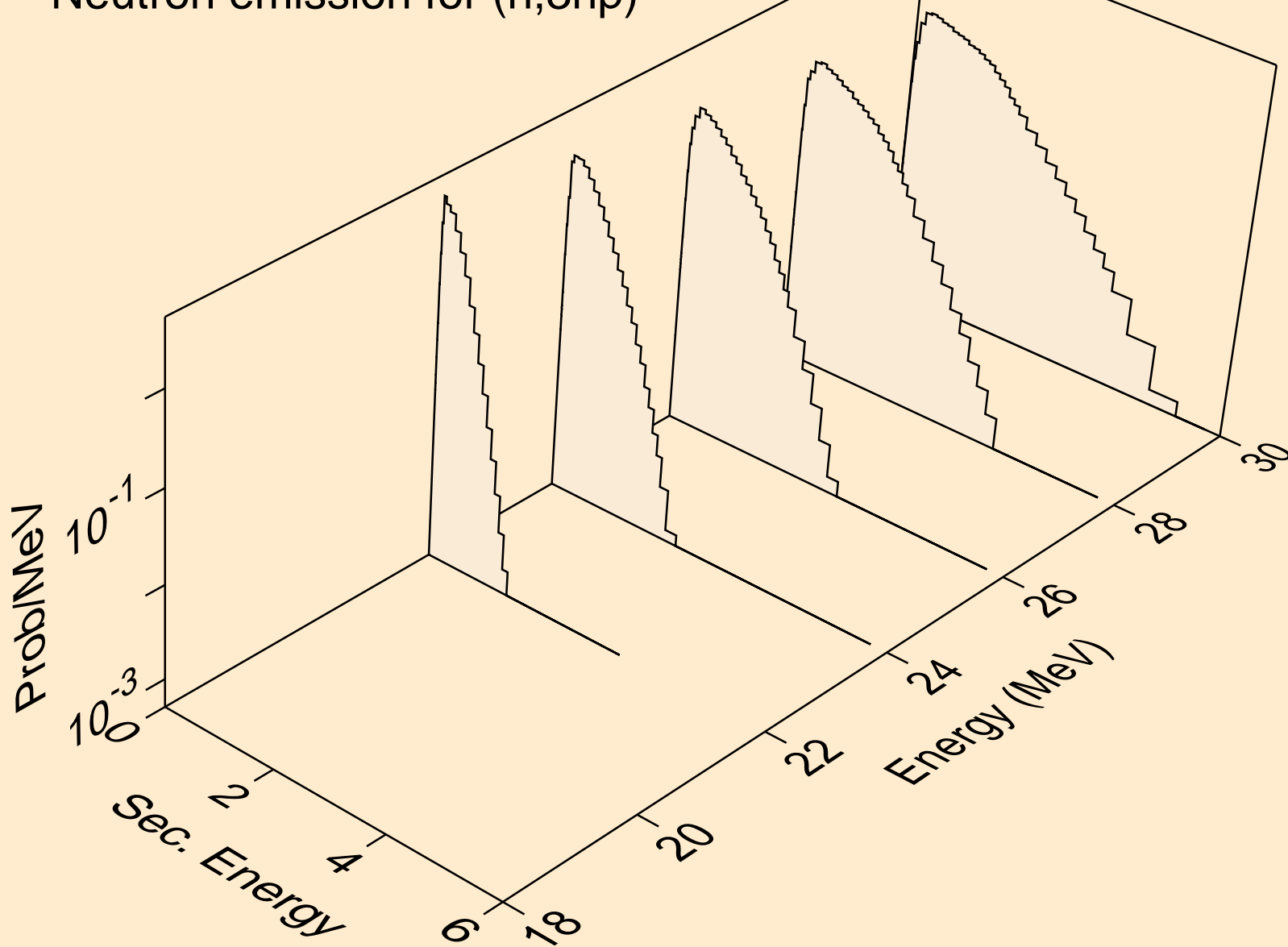
TH224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,4n)



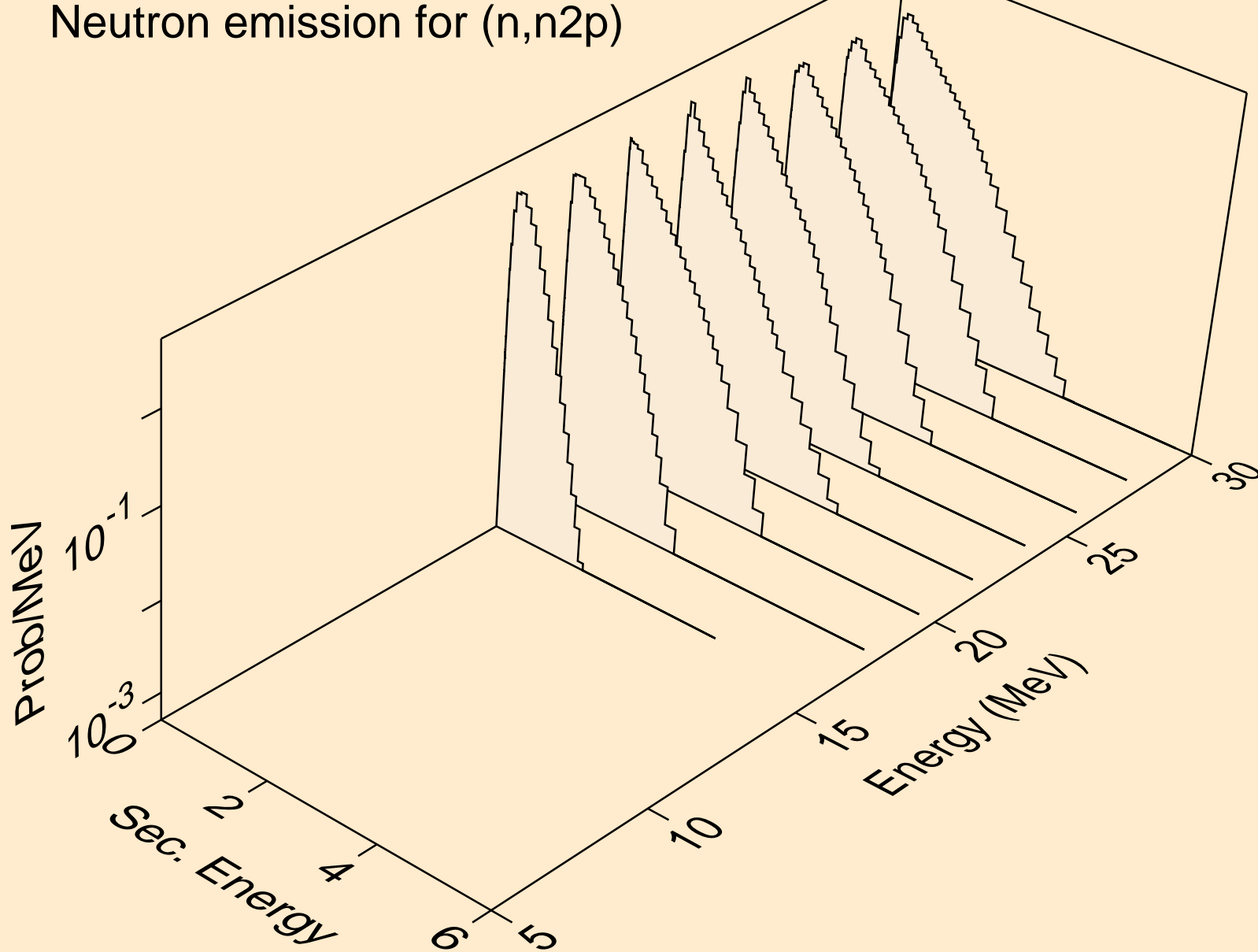
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Neutron emission for (n,2np)



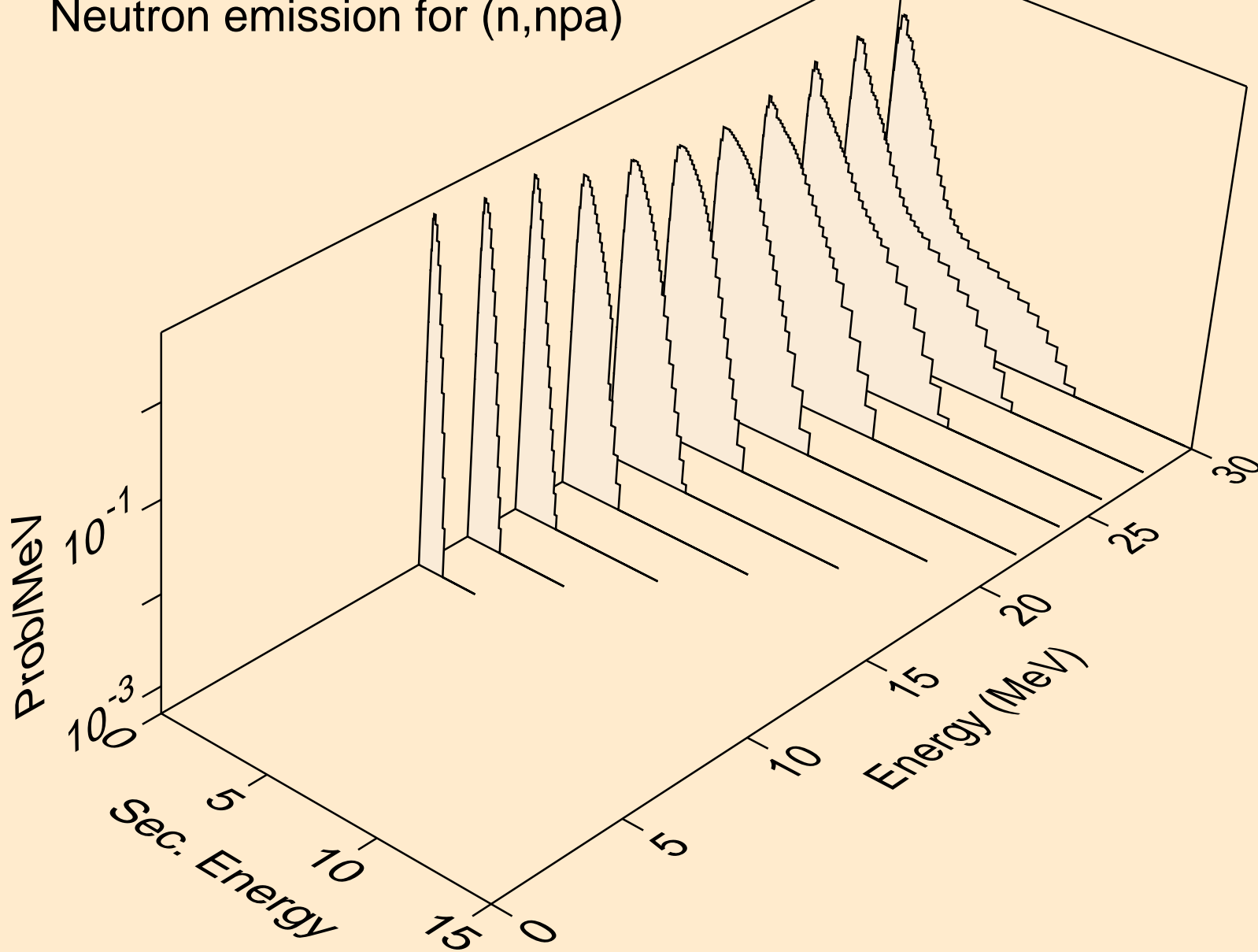
TH224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3np)



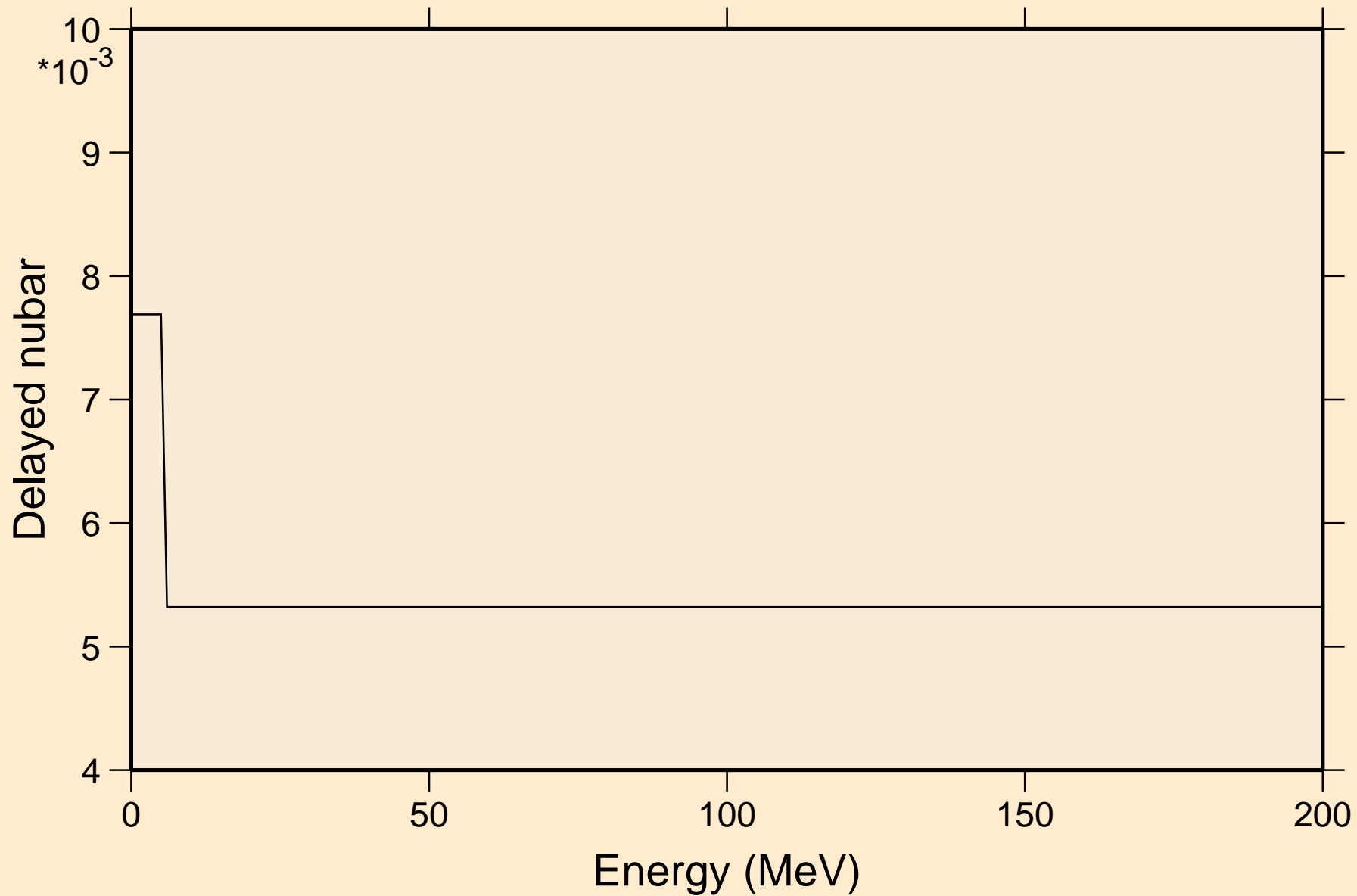
TH224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n2p)



TH224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,npa)

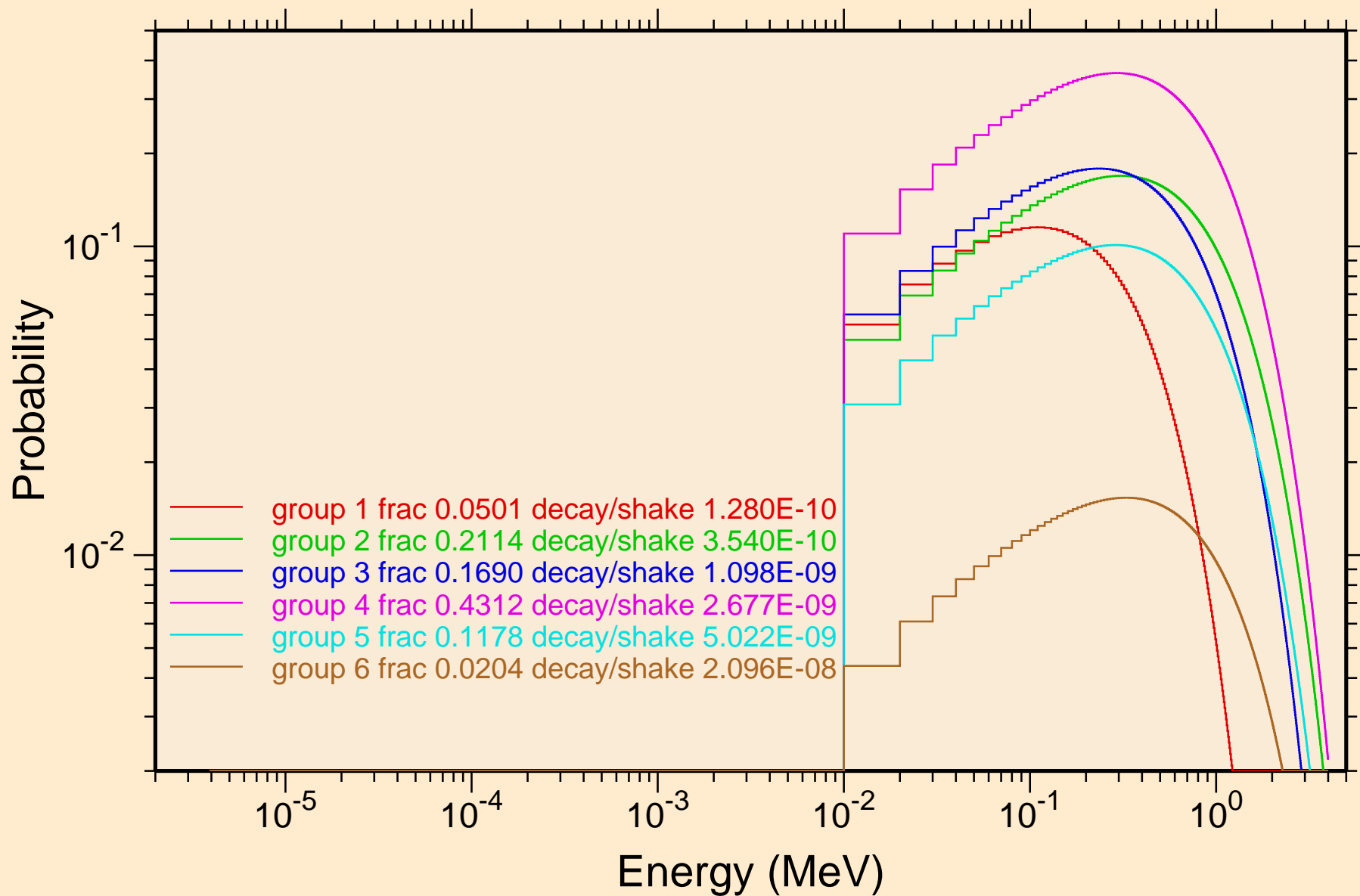


TH224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Delayed nubar

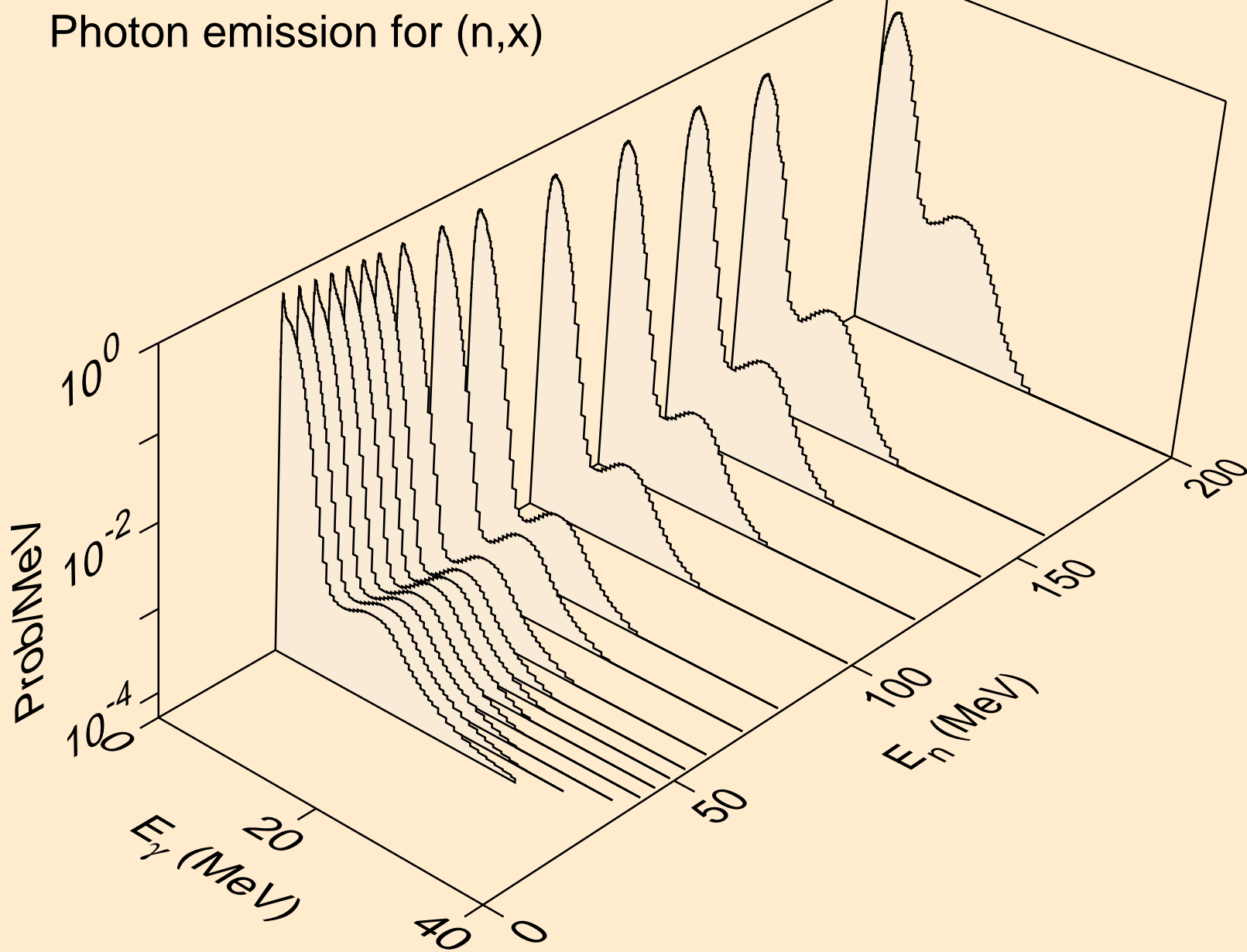


# TH224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

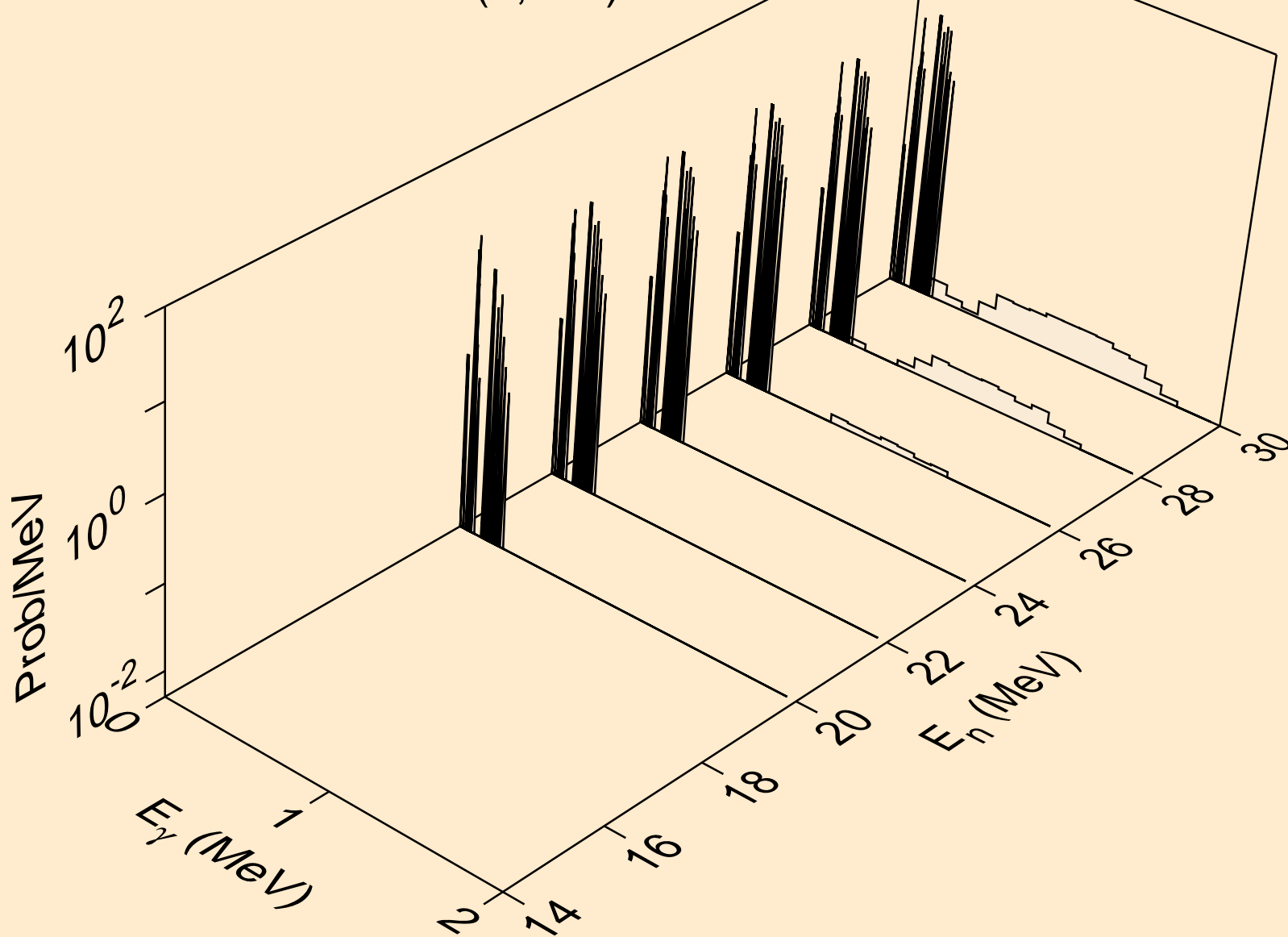
## Delayed neutron spectra



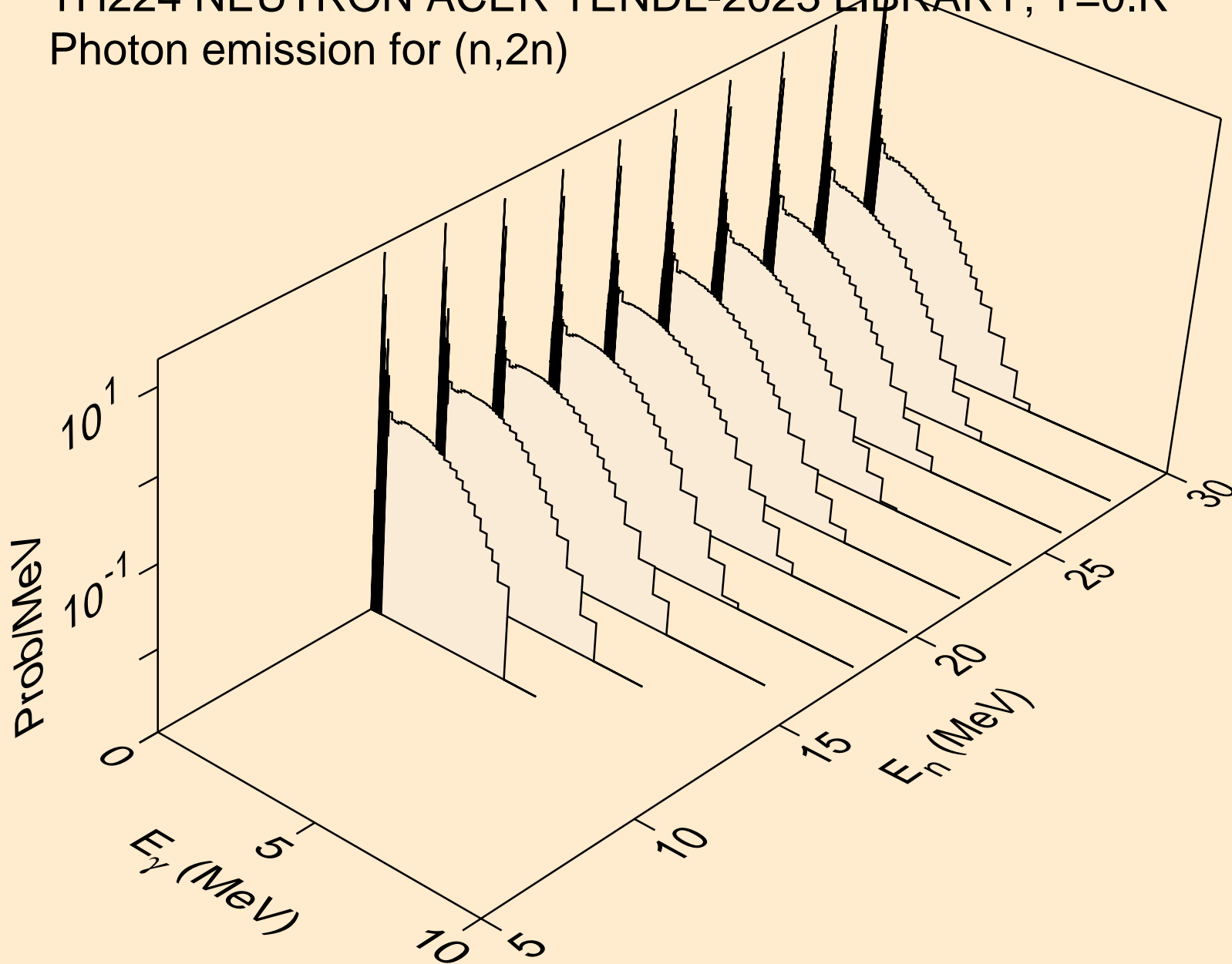
TH224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,x)



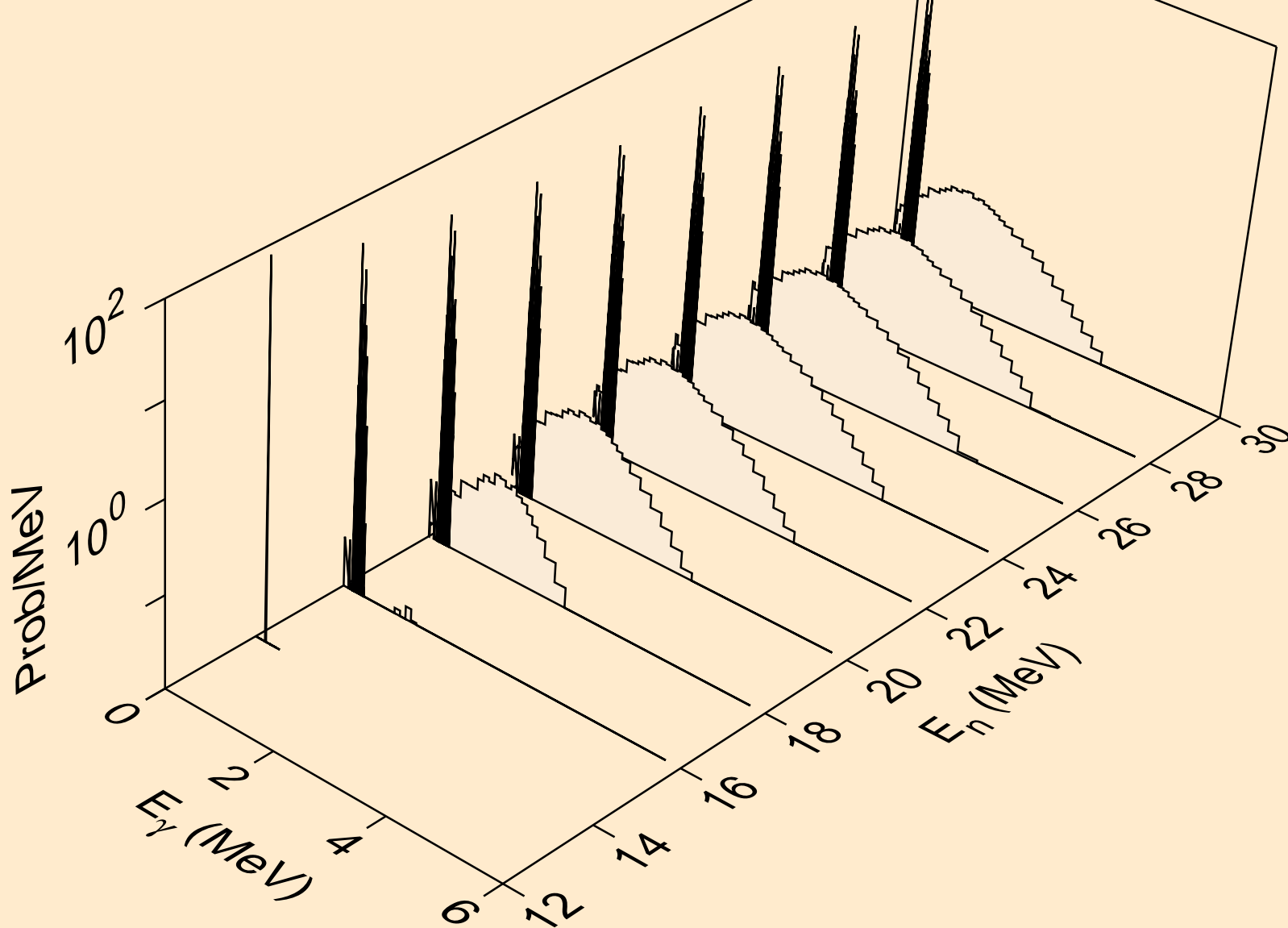
TH224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



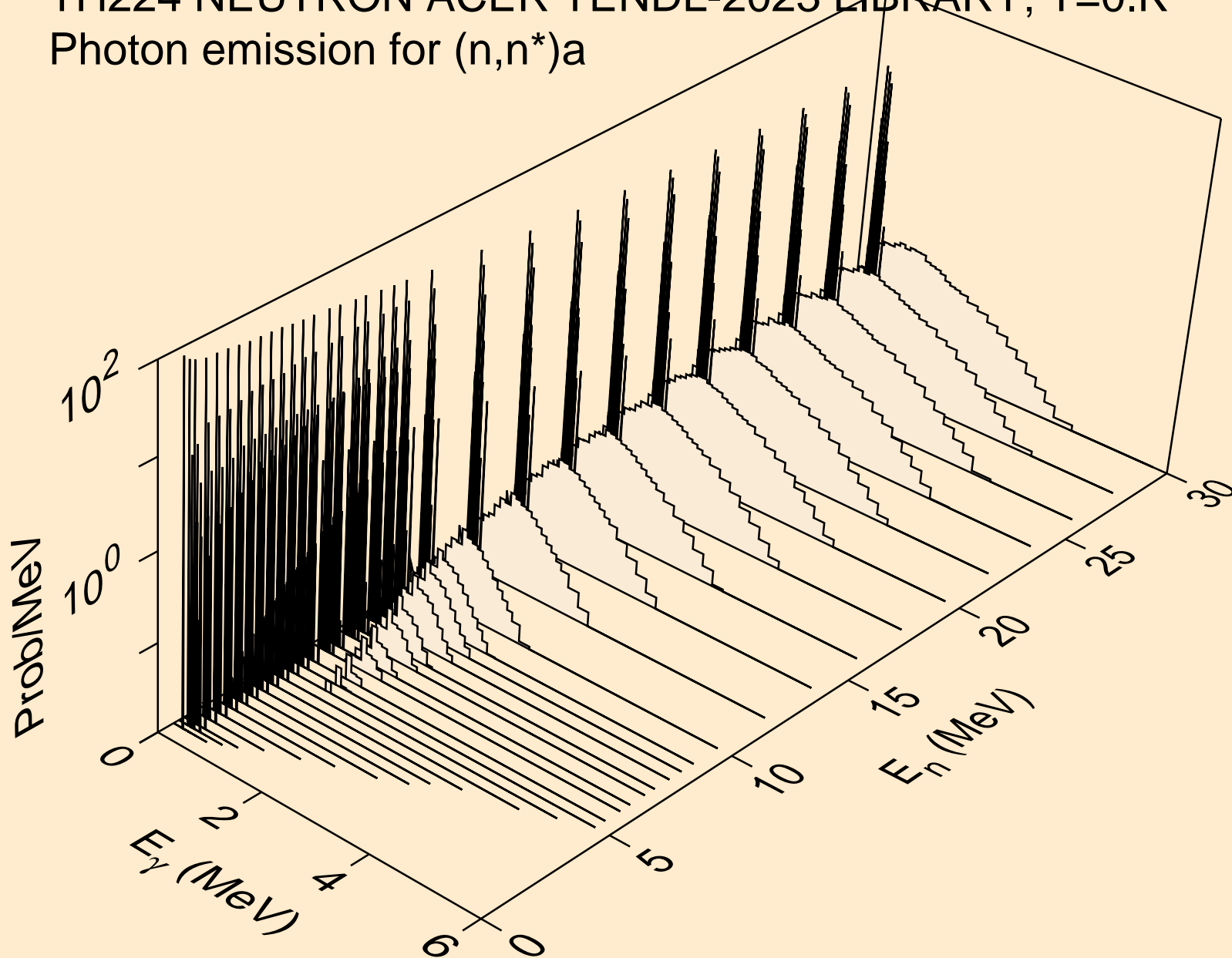
TH224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



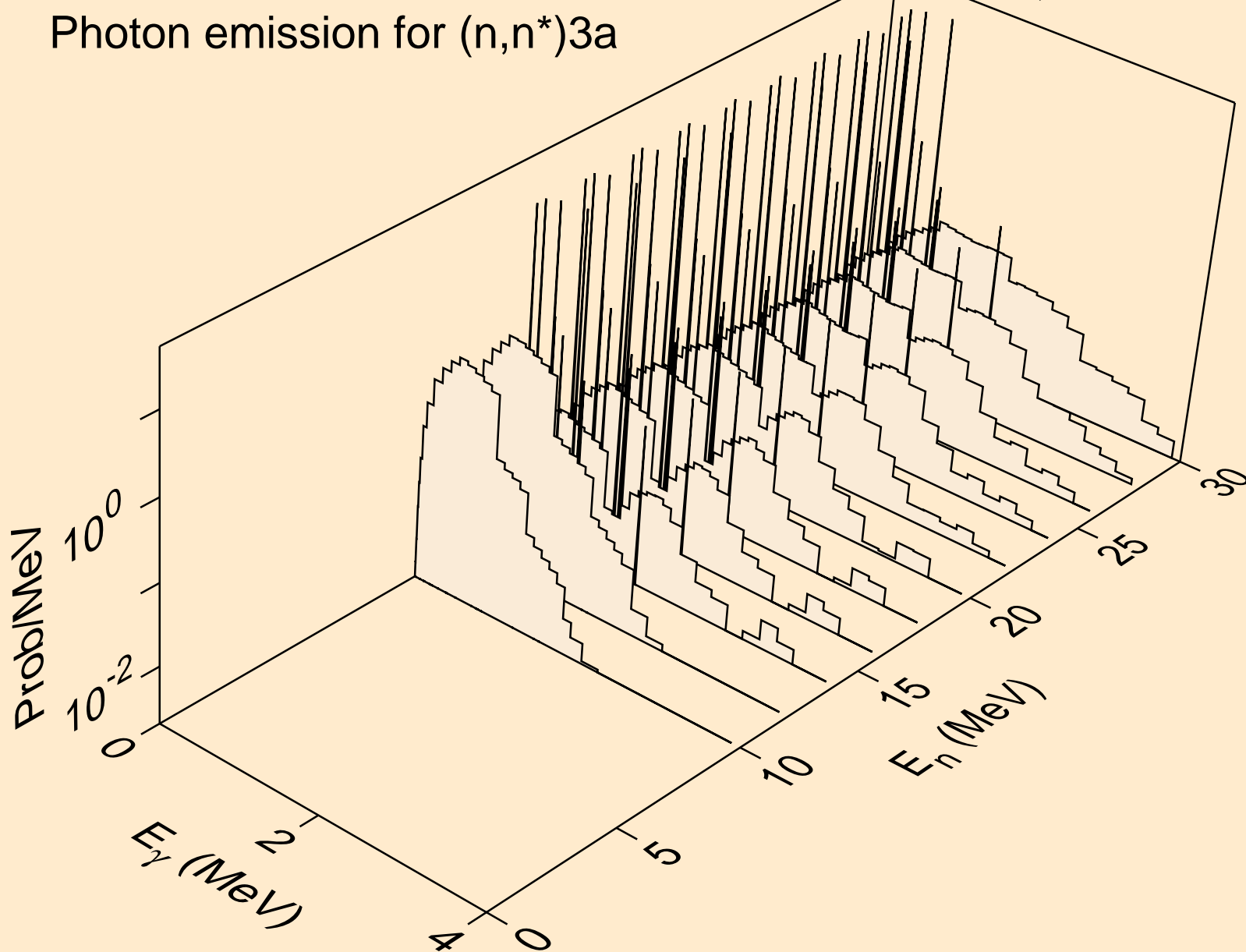
TH224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



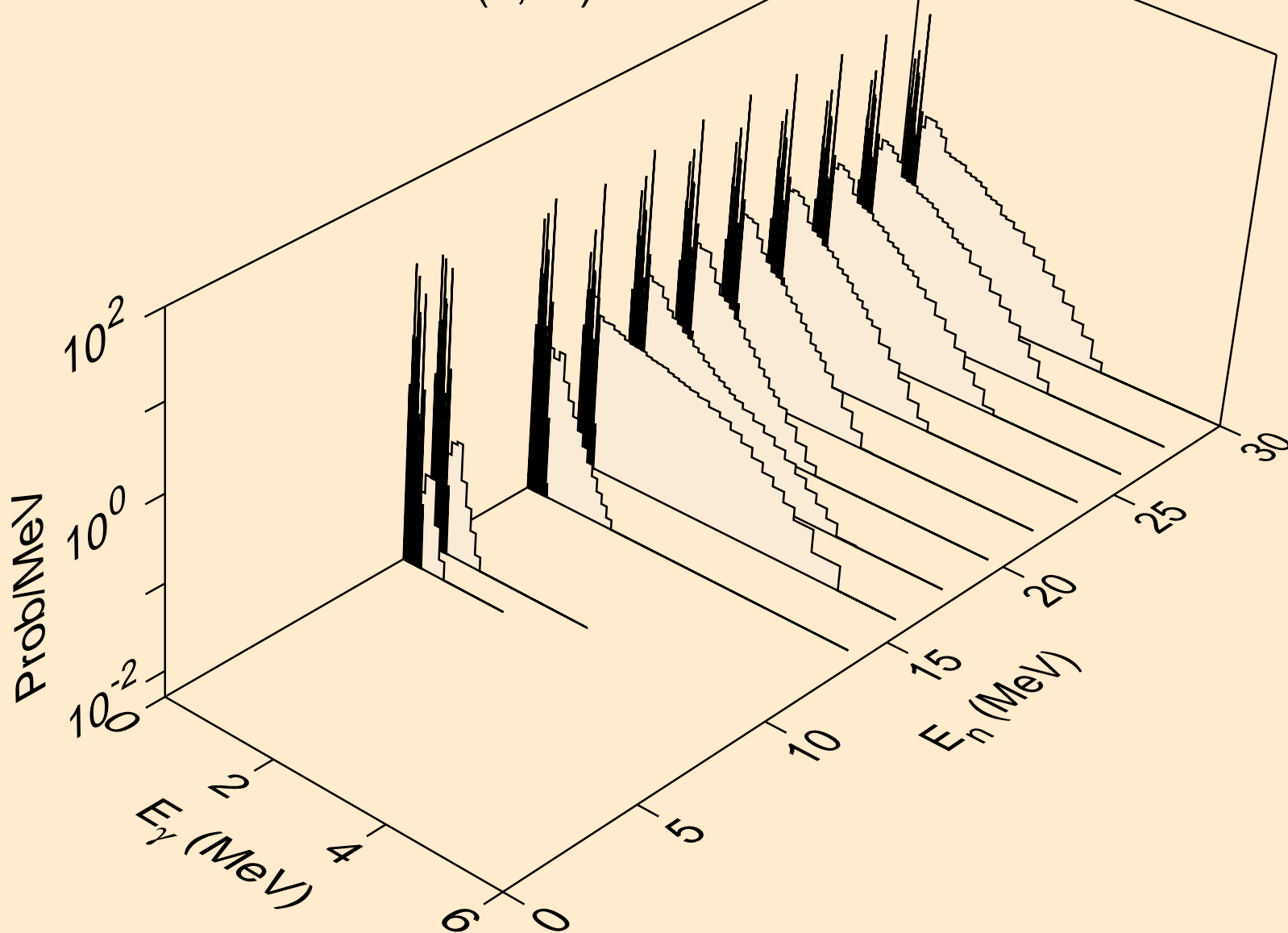
TH224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



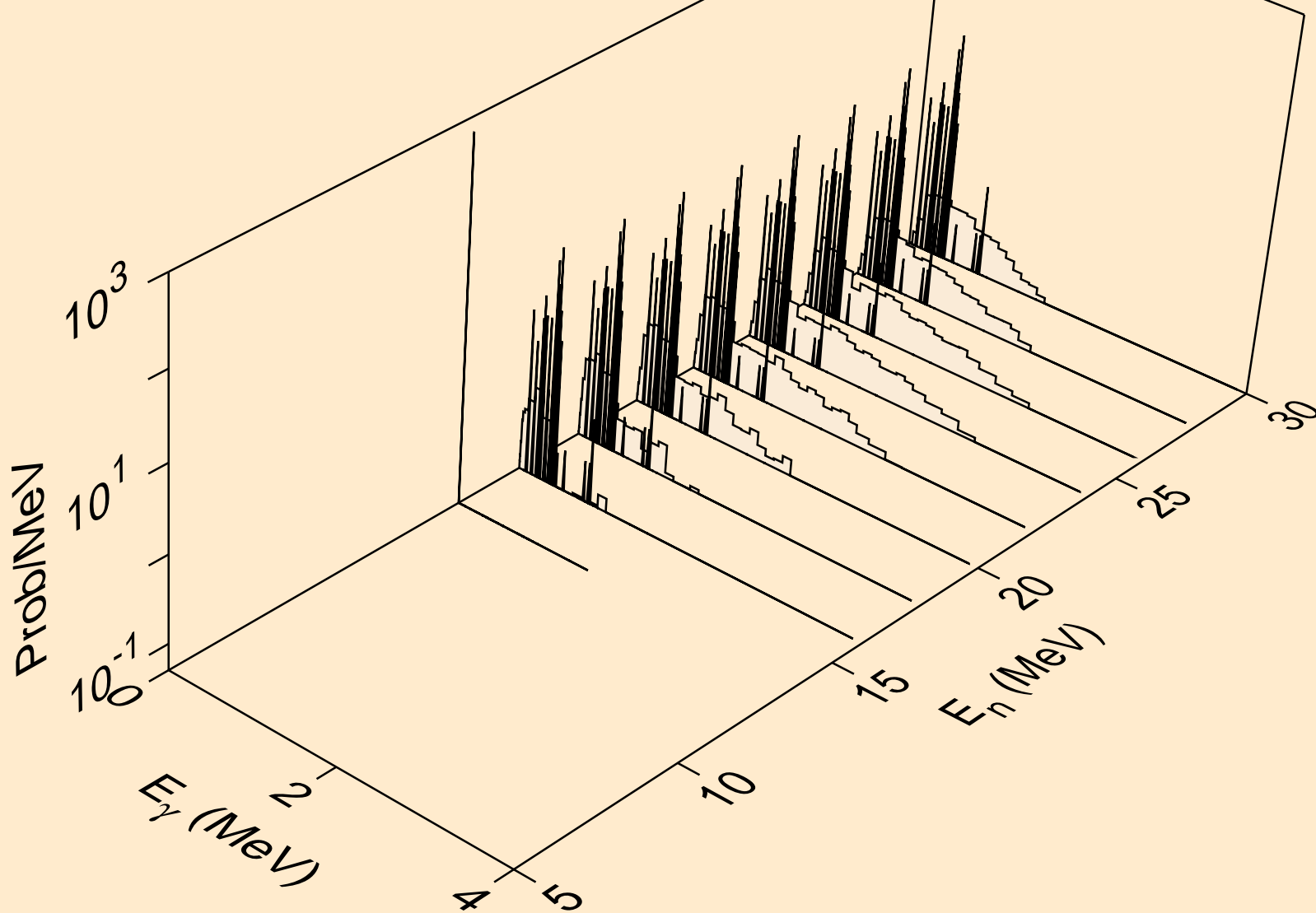
TH224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)3a



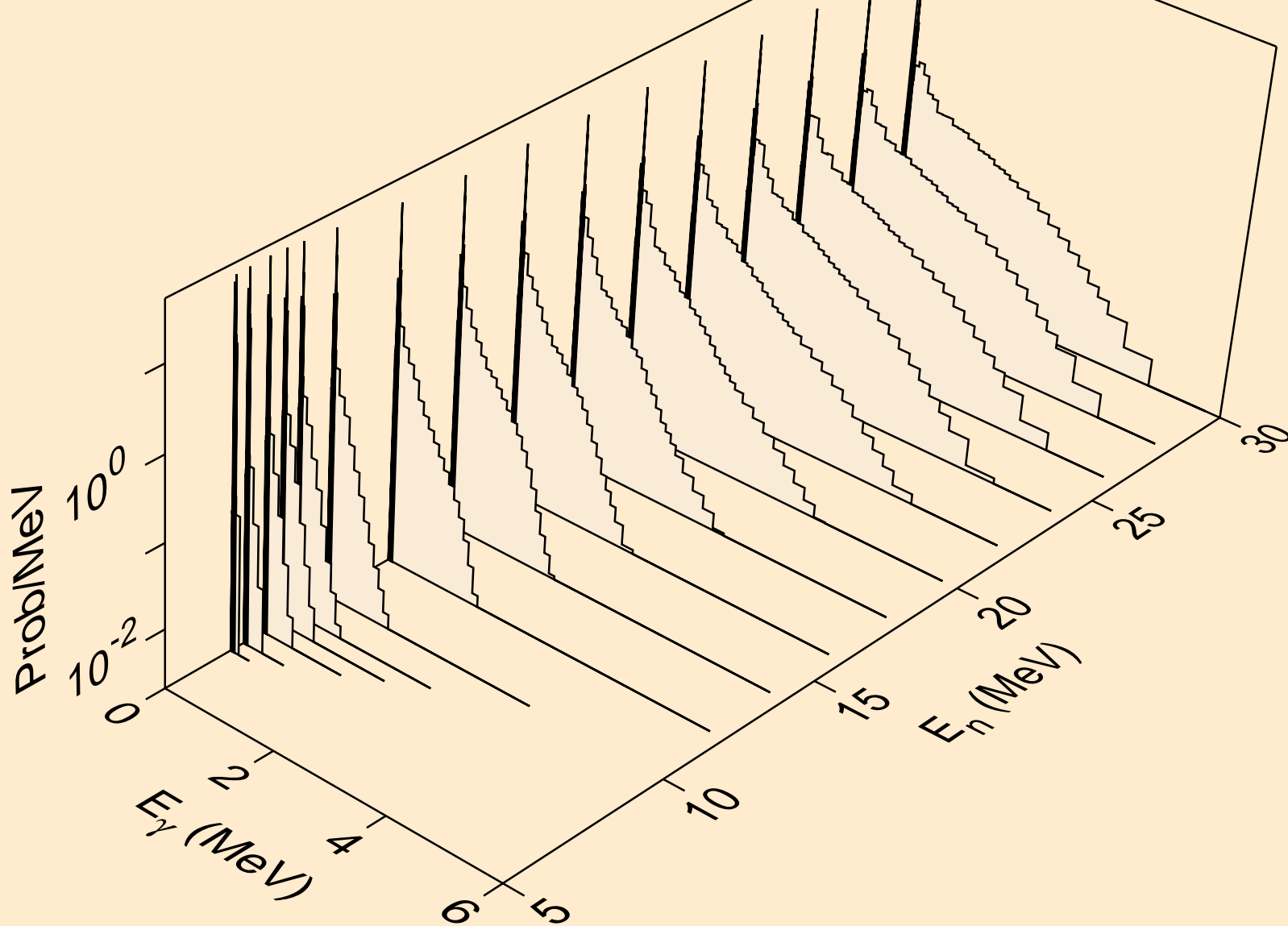
TH224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a



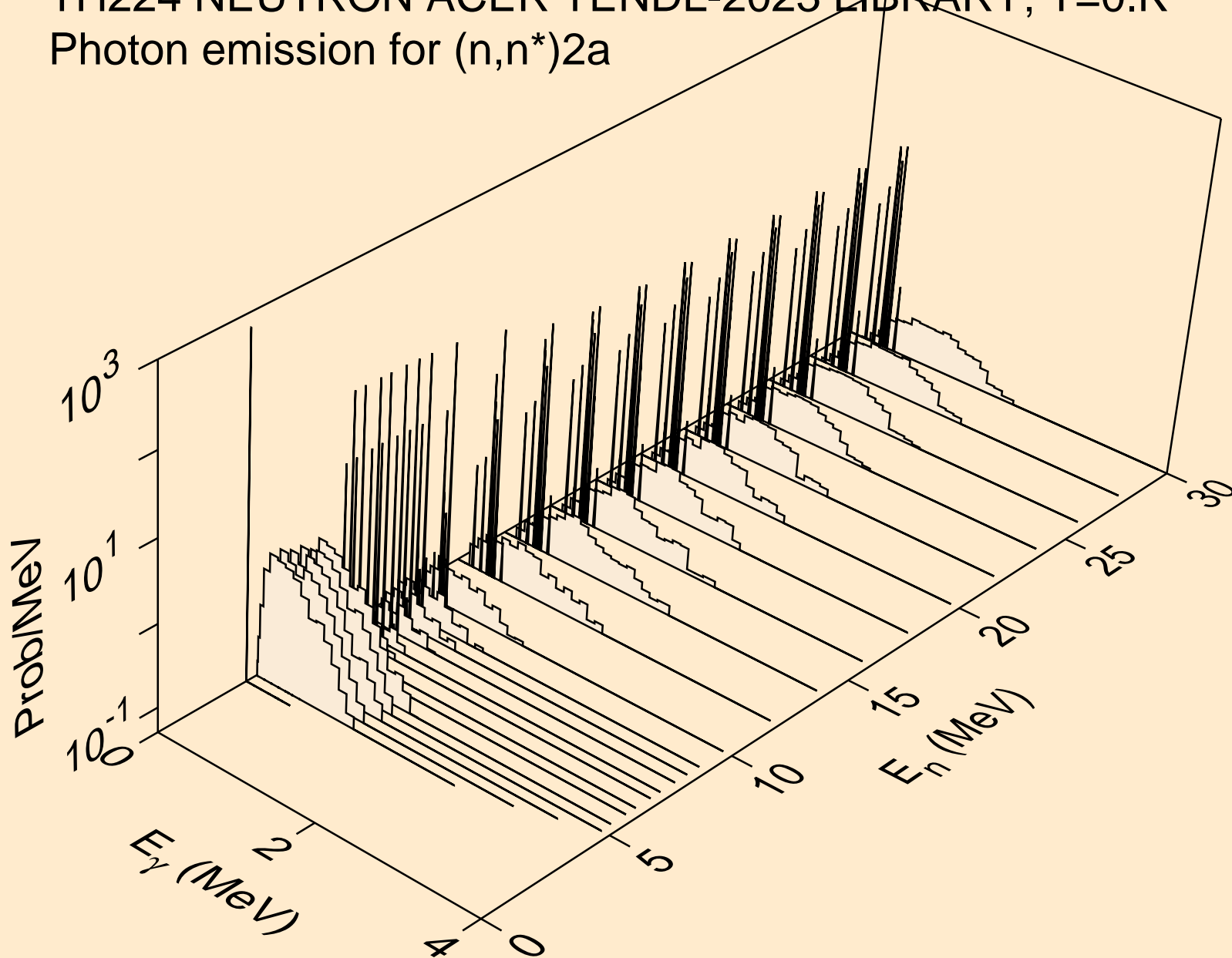
TH224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)a



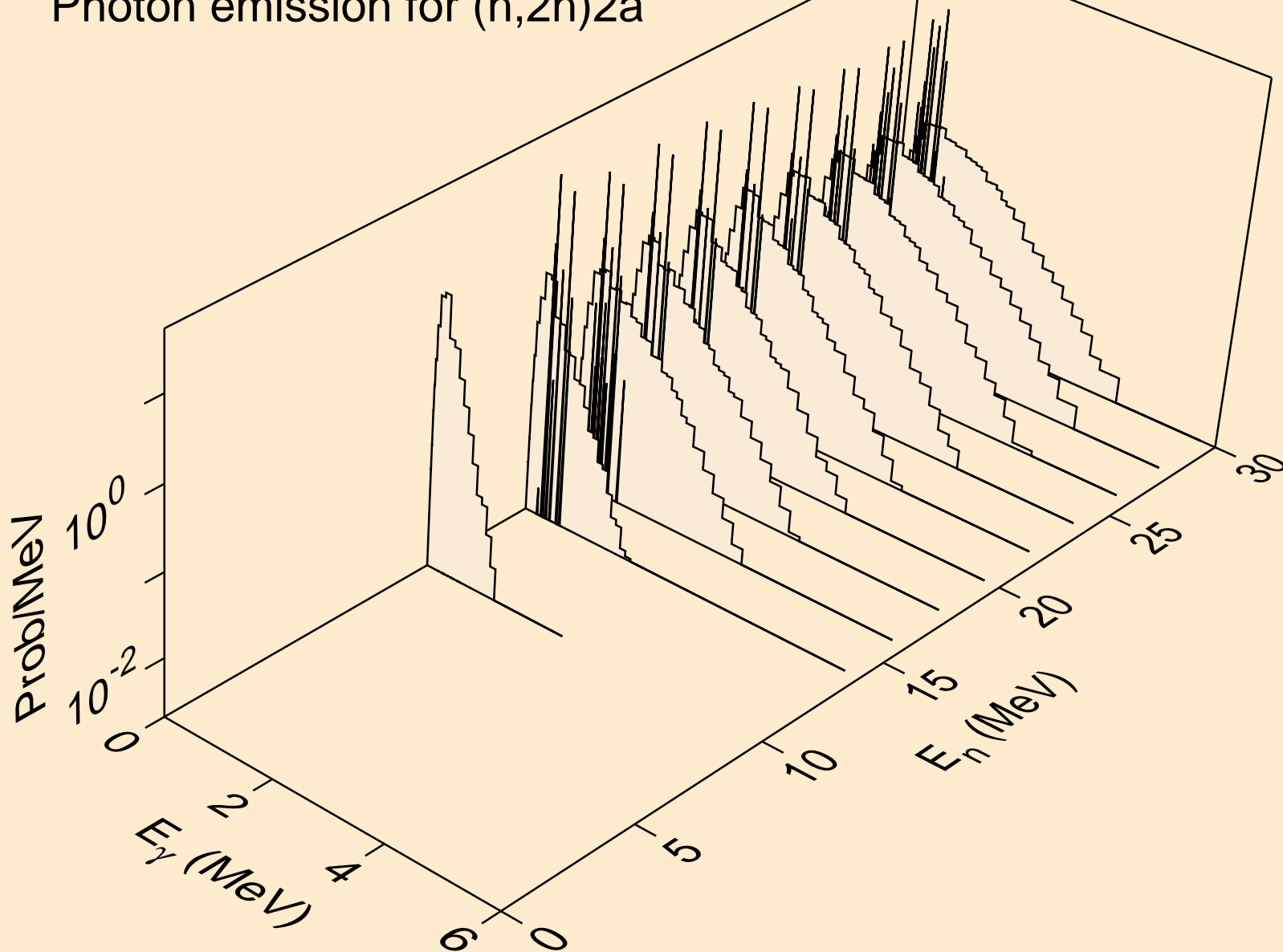
TH224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



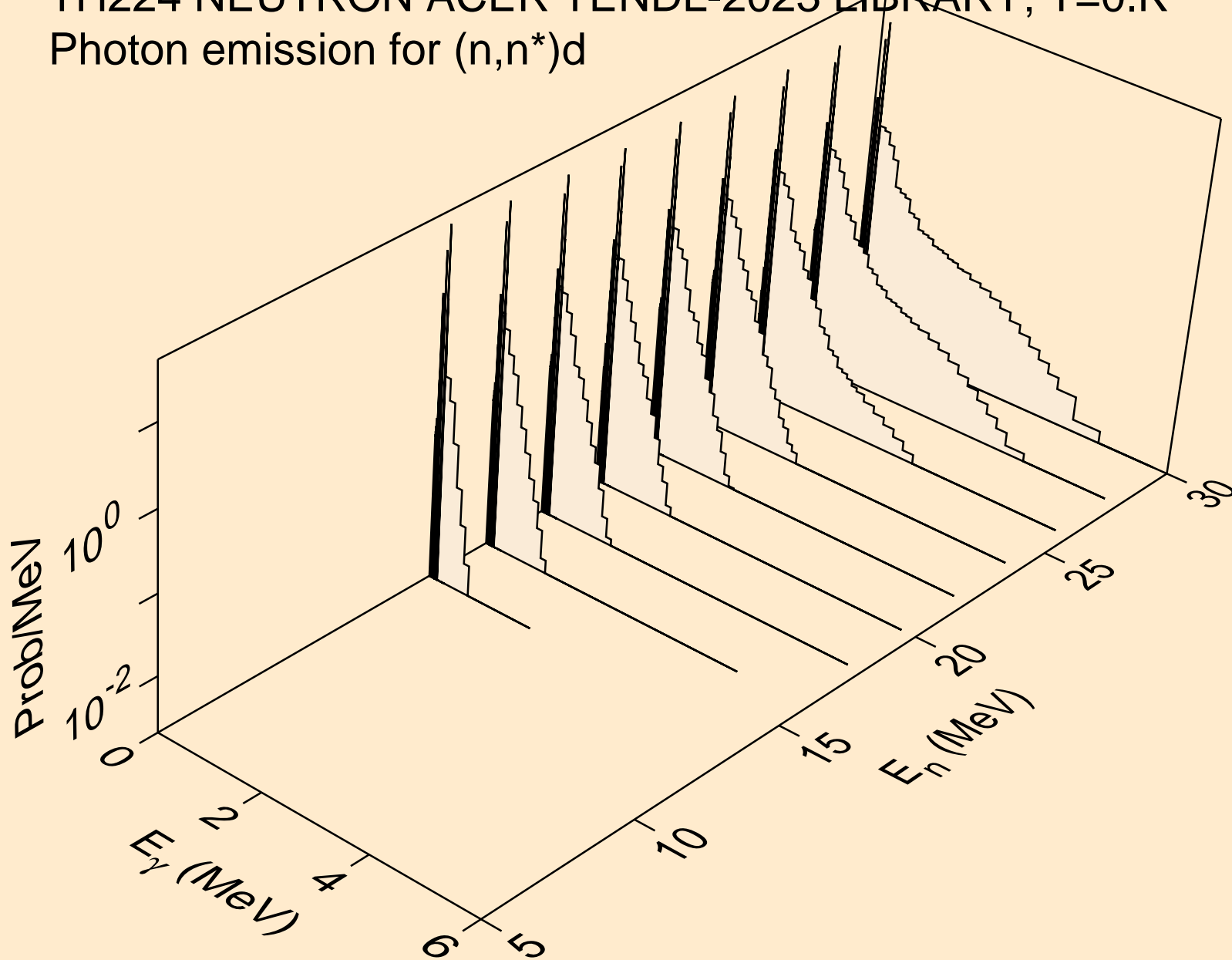
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Photon emission for (n,n\*)2a



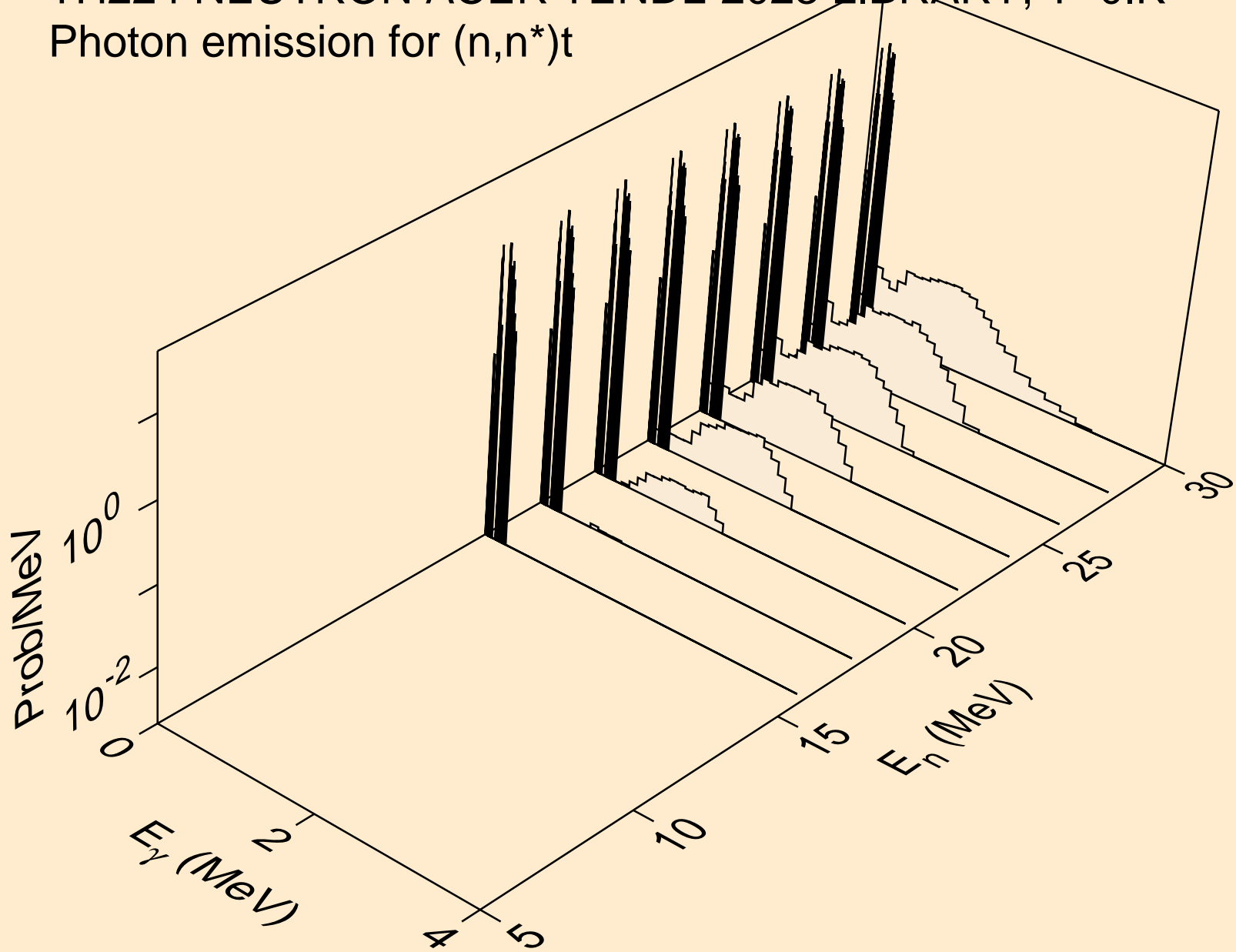
TH224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)2a



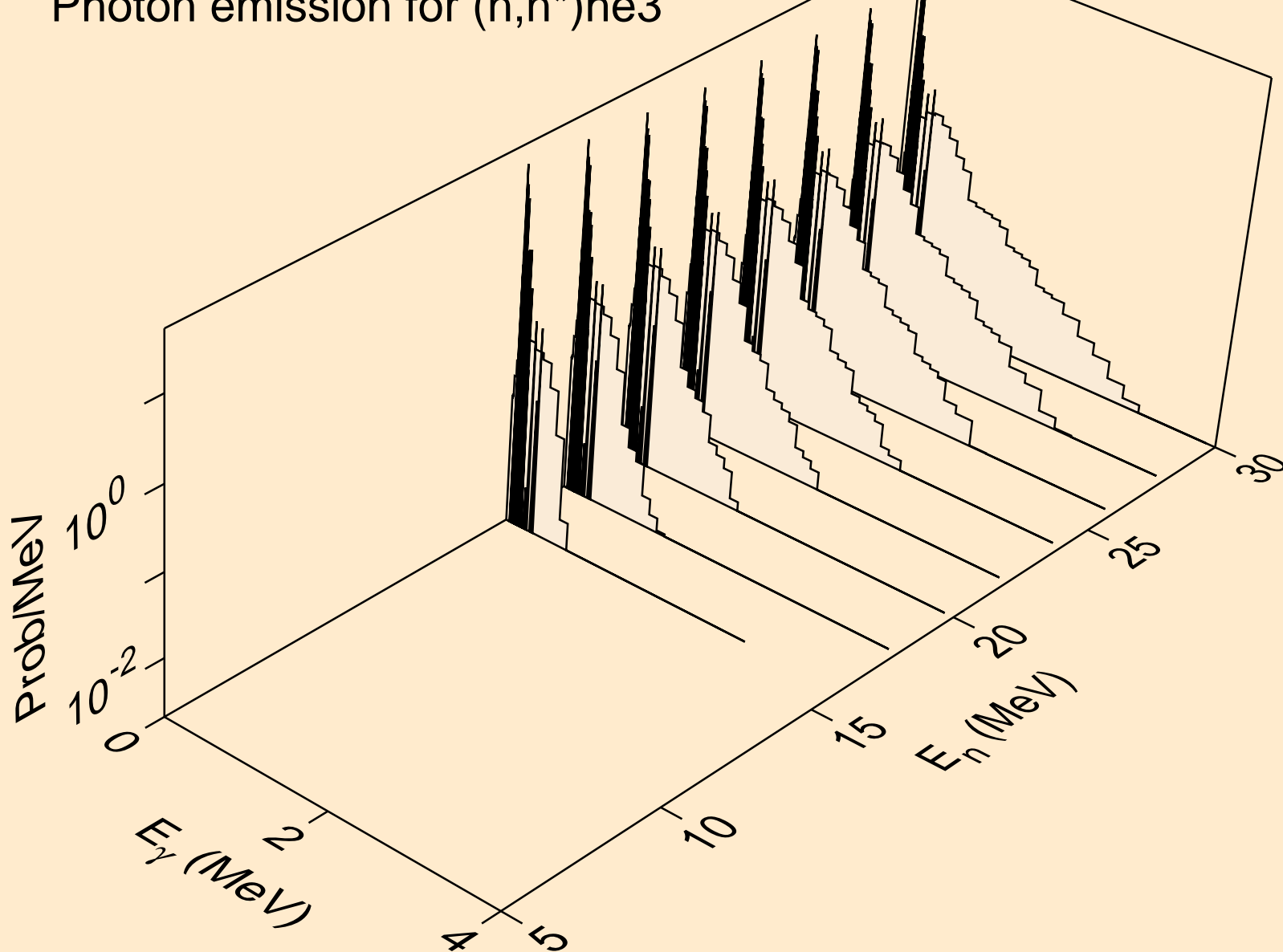
TH224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



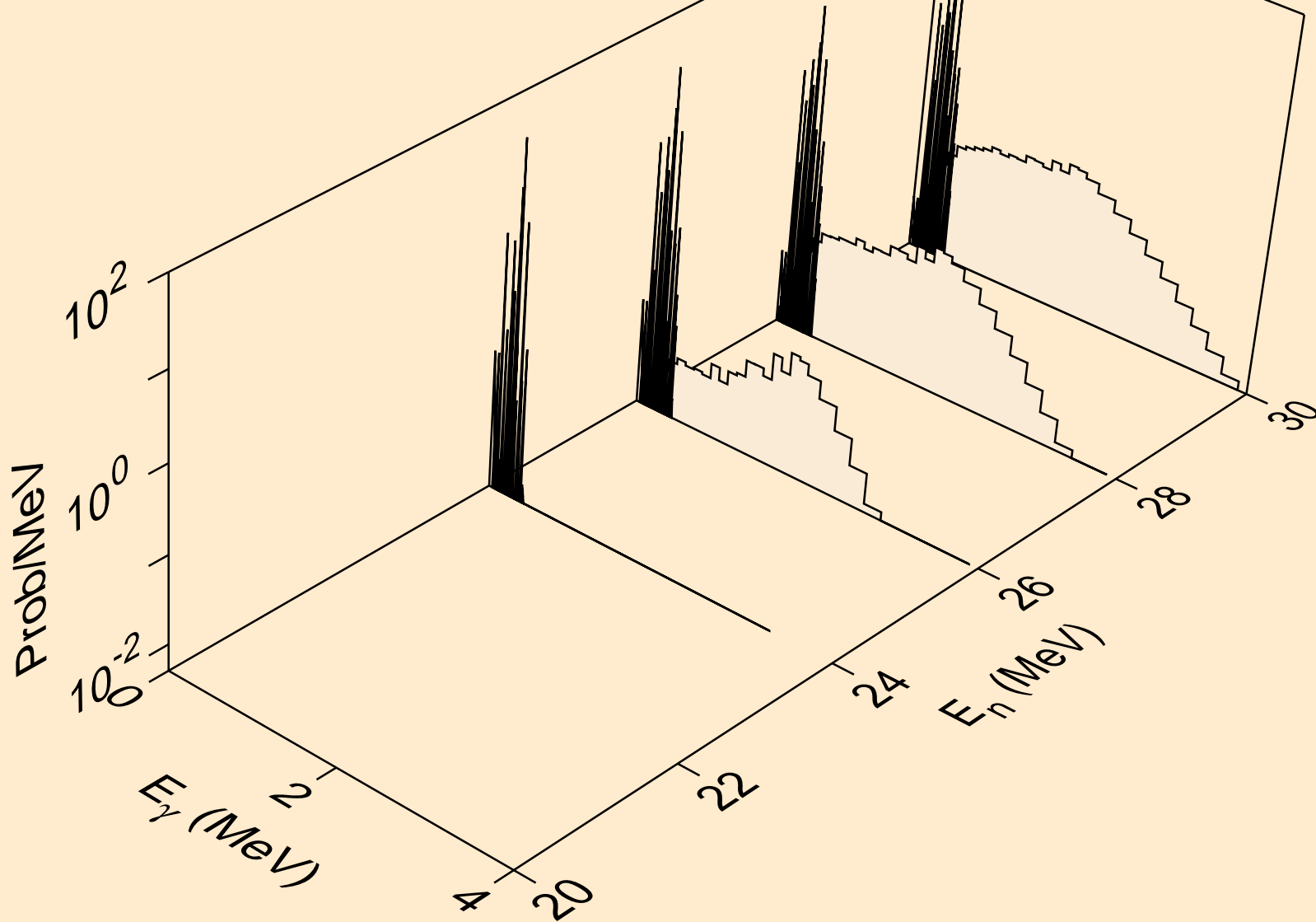
TH224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



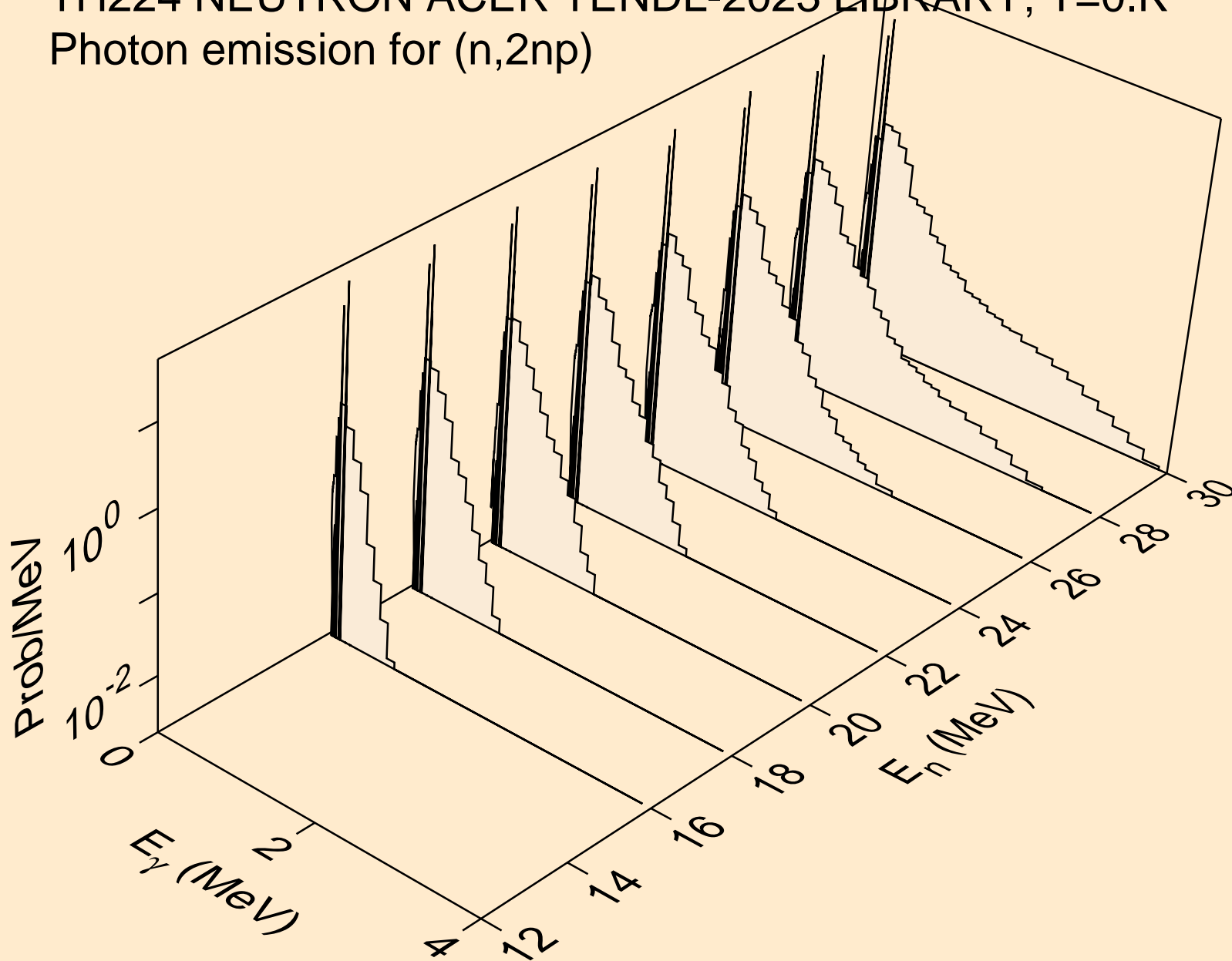
TH224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



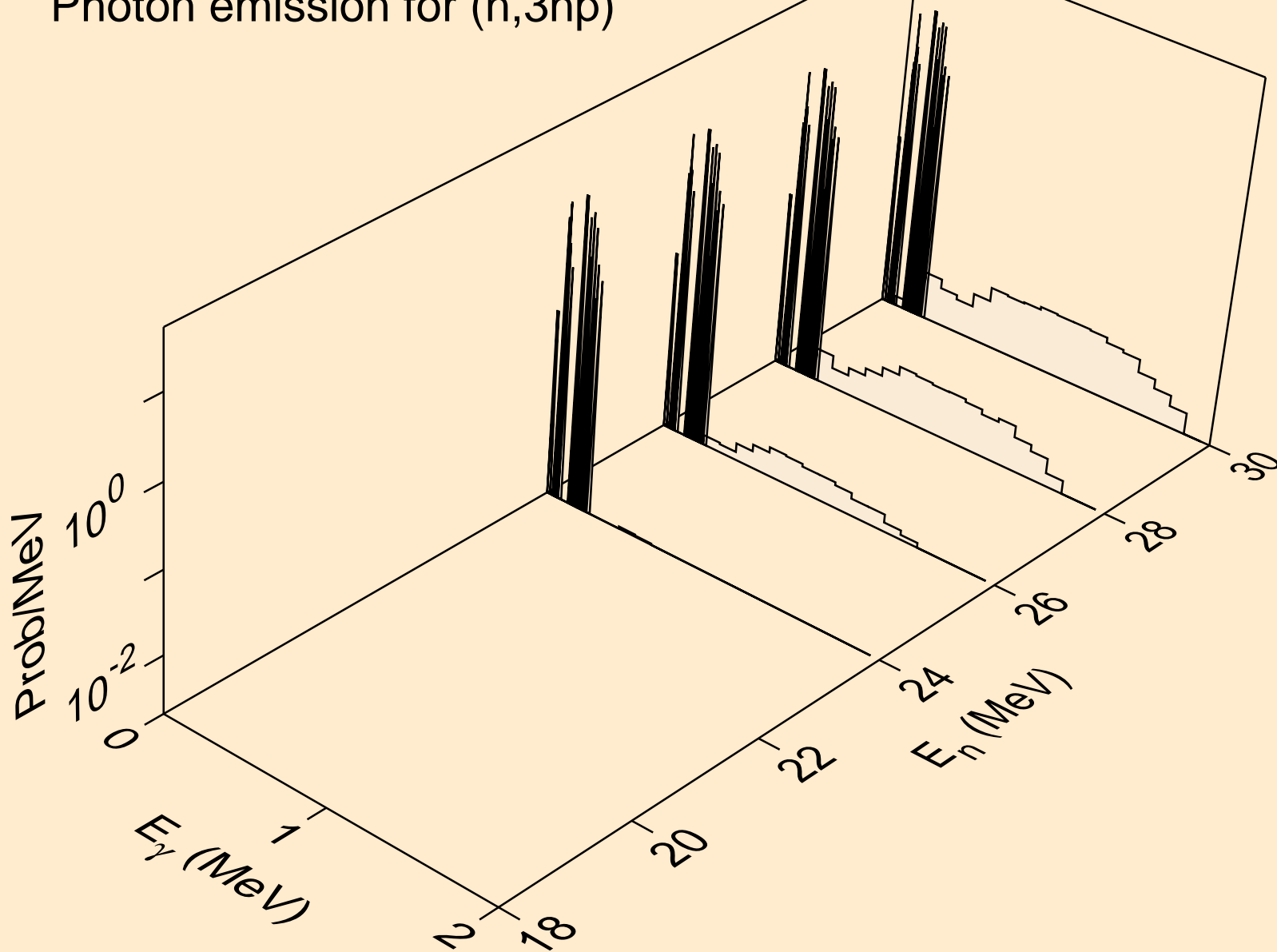
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Photon emission for (n,4n)



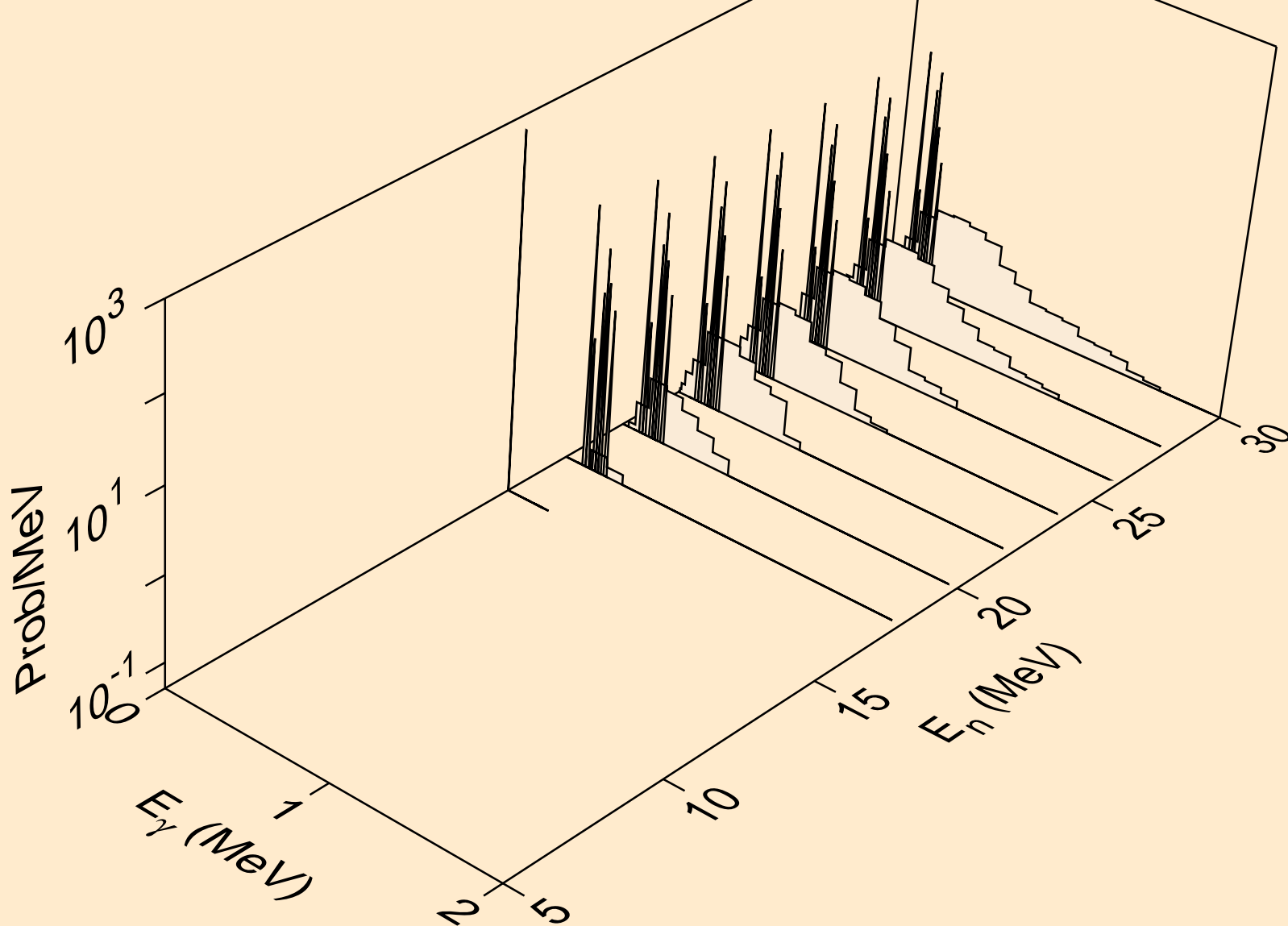
TH224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)



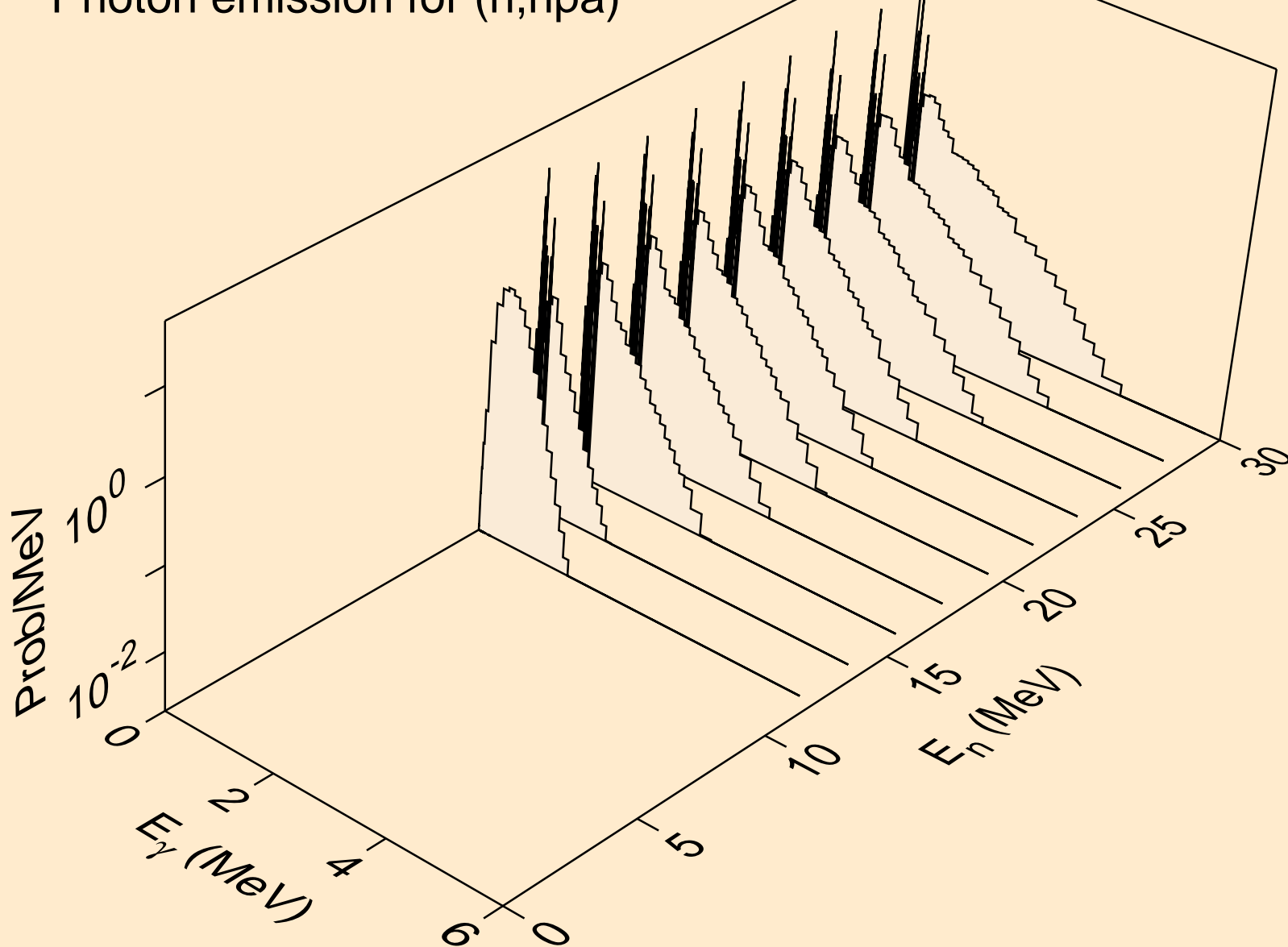
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Photon emission for (n,3np)



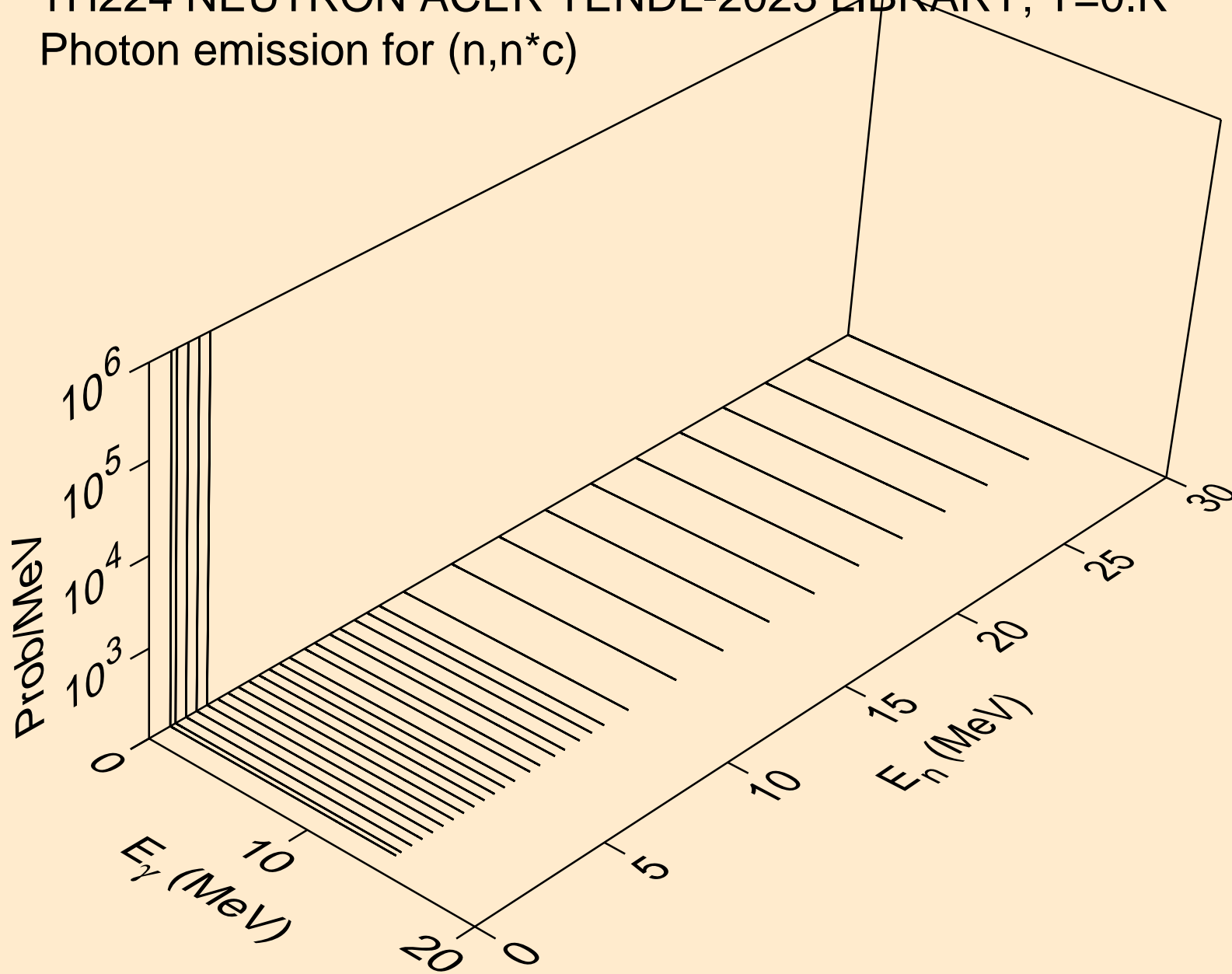
TH224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)



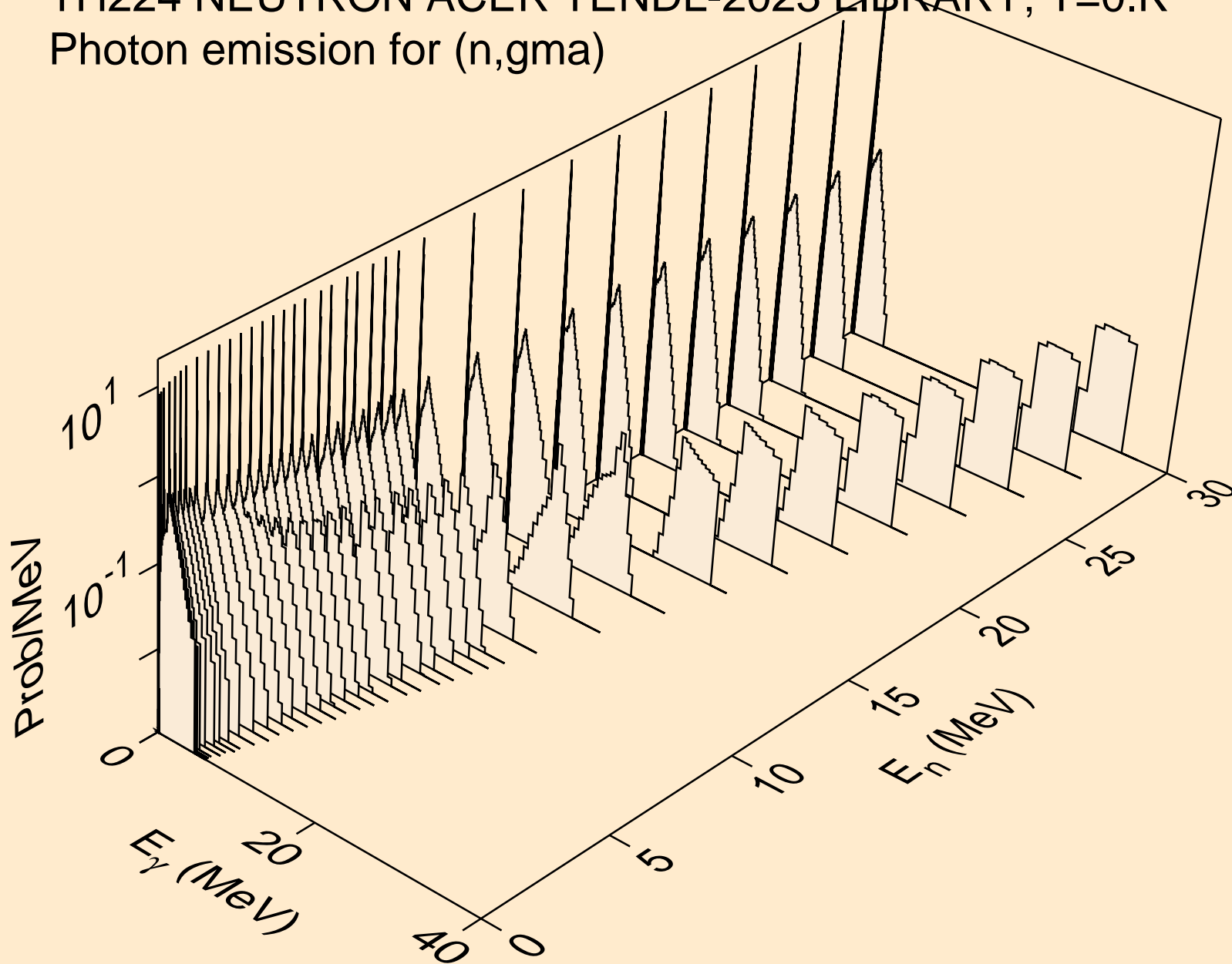
TH224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,npa)



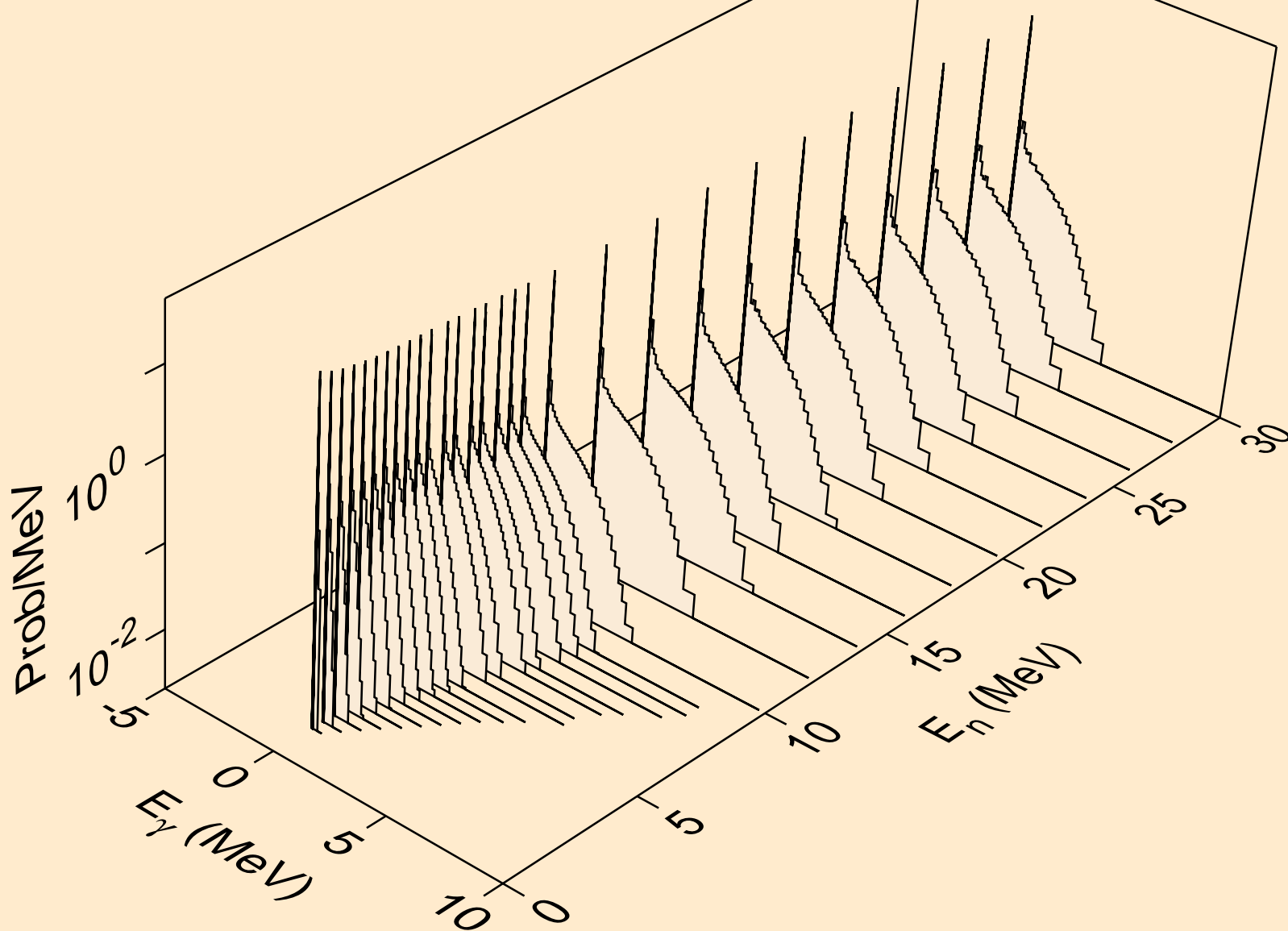
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Photon emission for (n,n\*c)



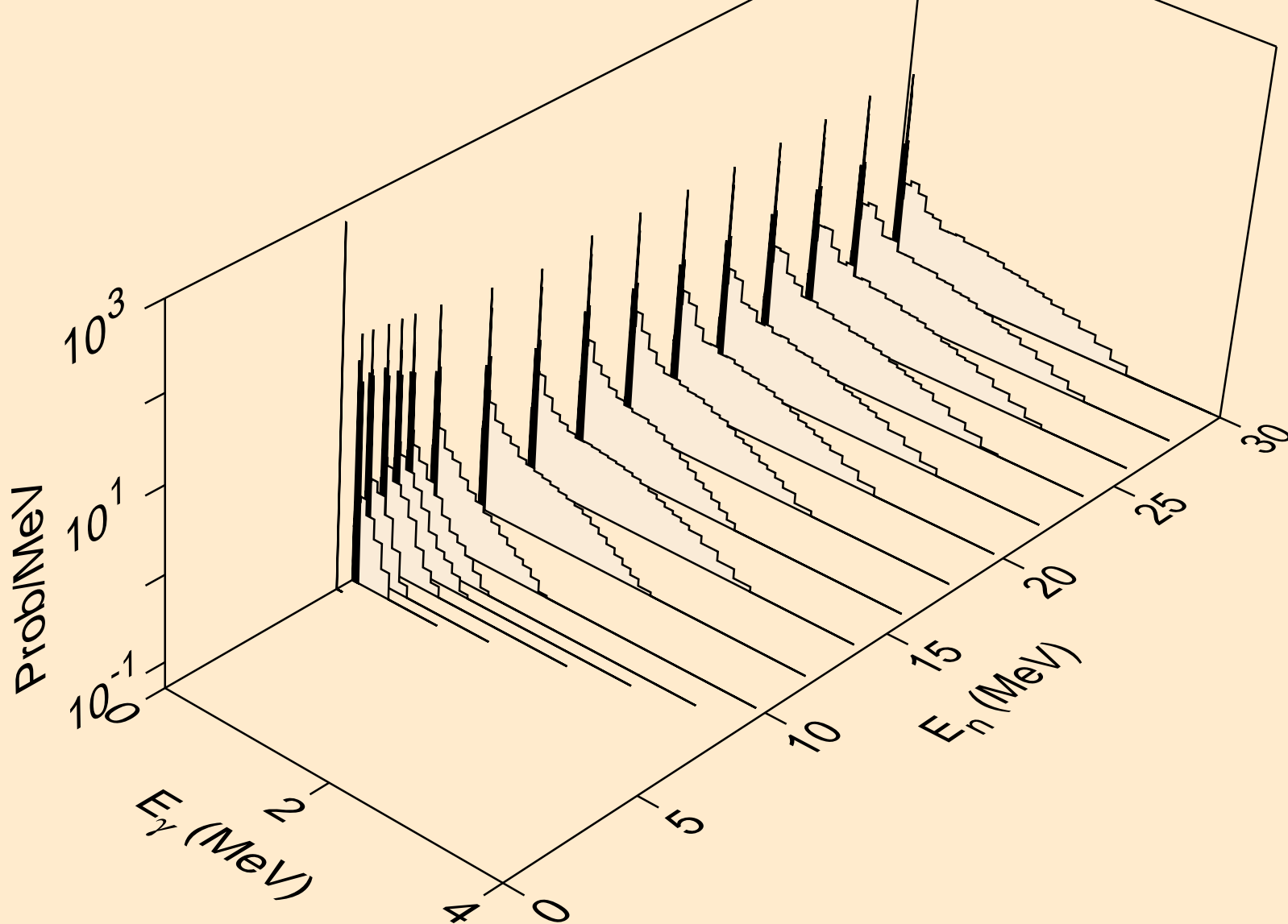
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Photon emission for (n,gma)



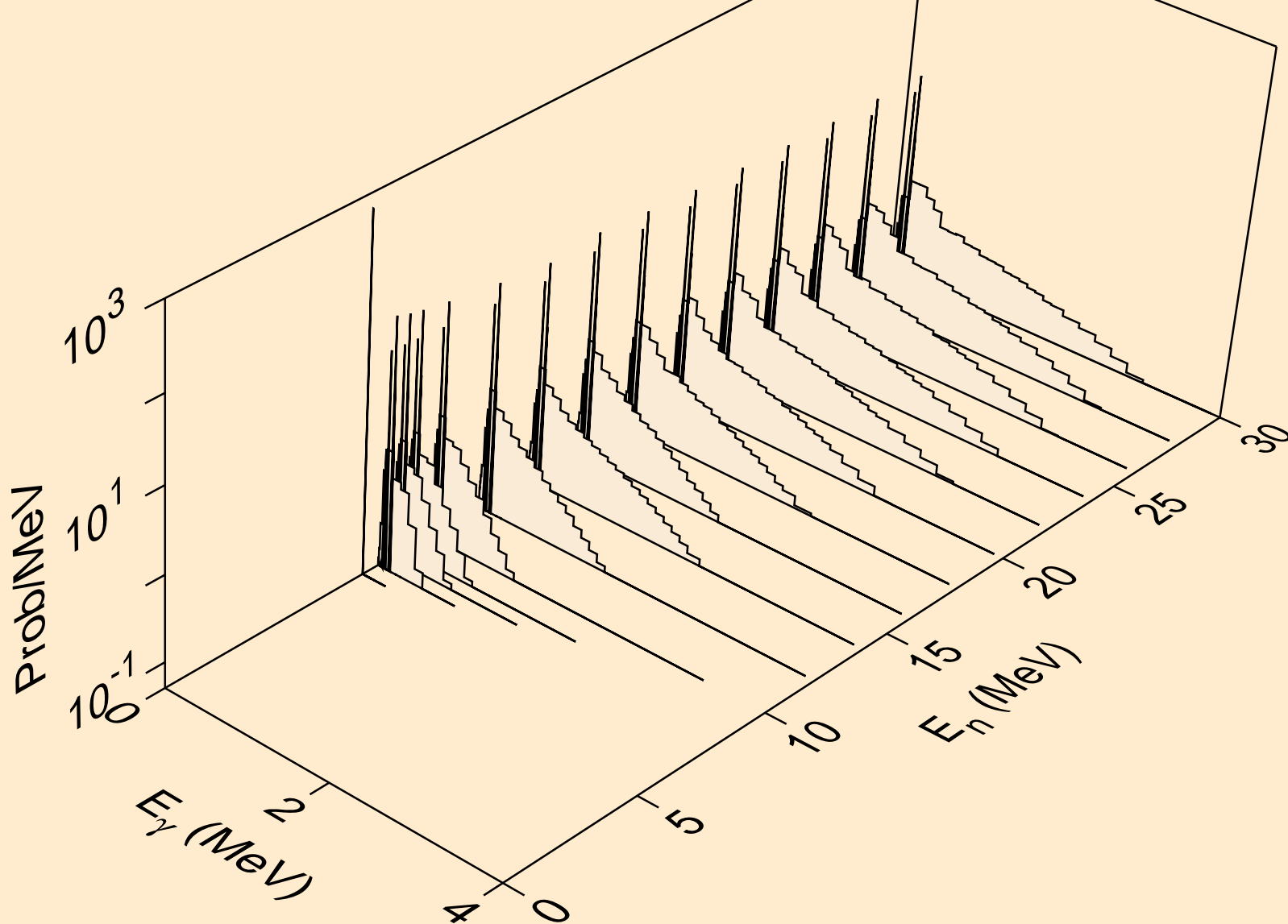
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Photon emission for (n,p)



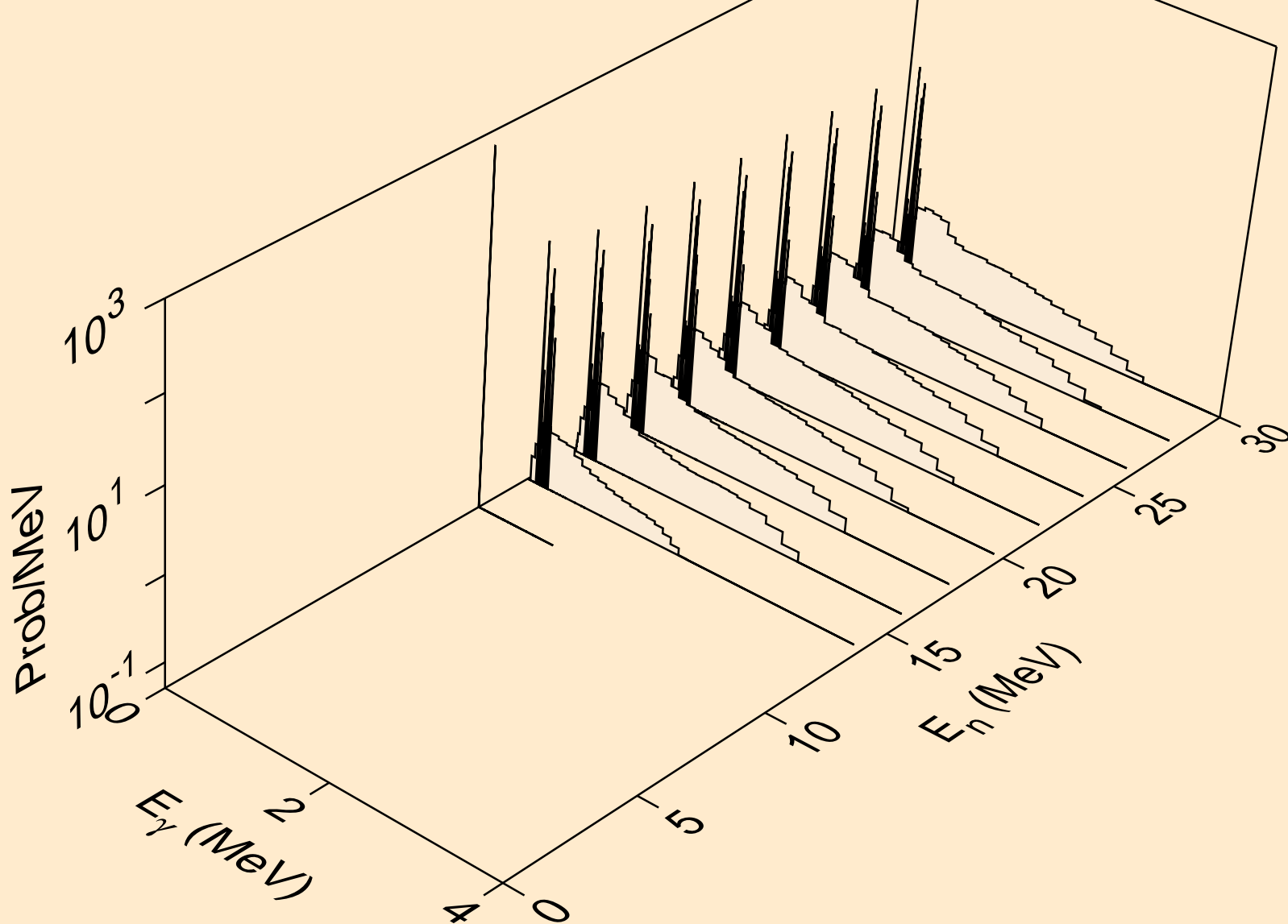
TH224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)



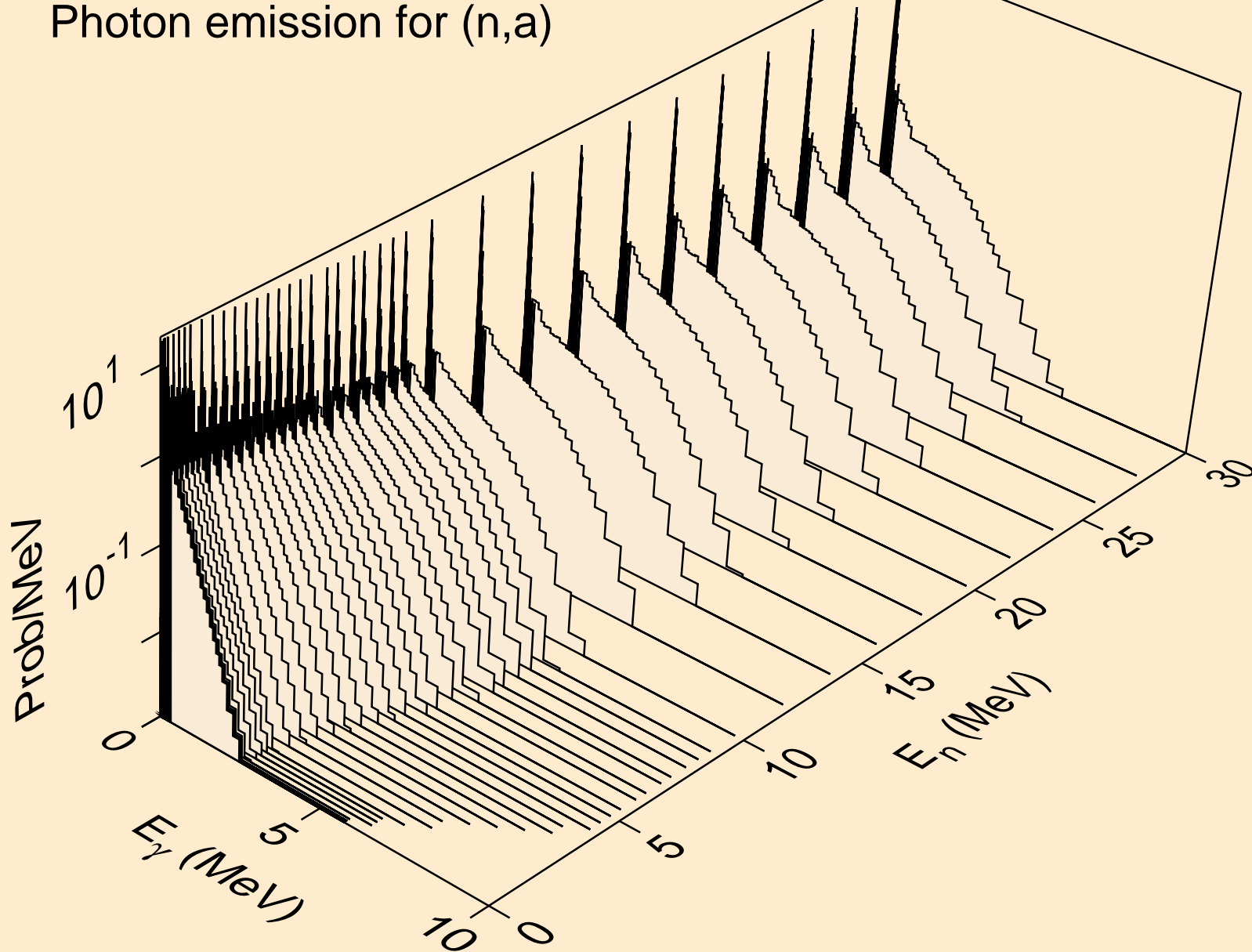
TH224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)



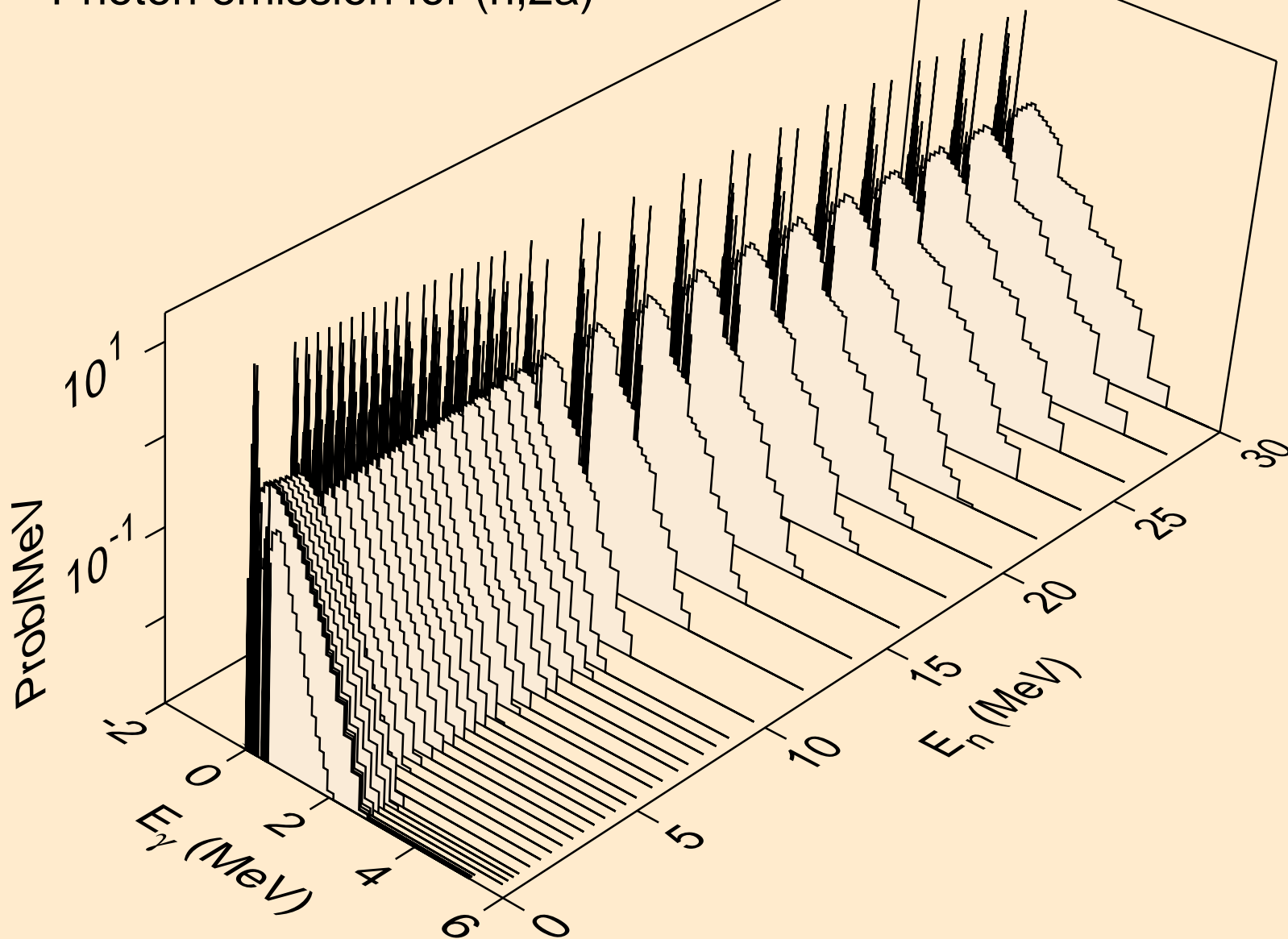
TH224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)



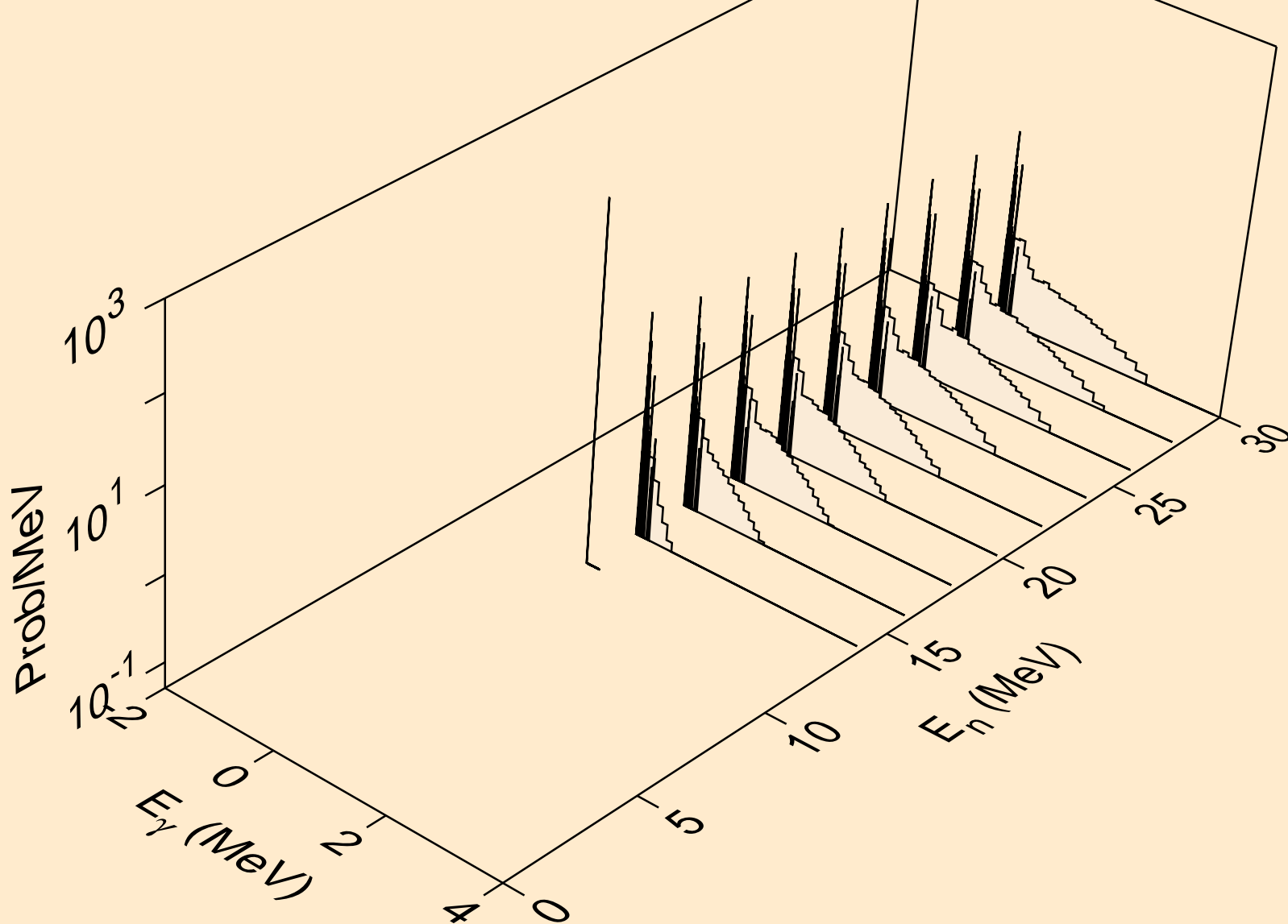
TH224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)



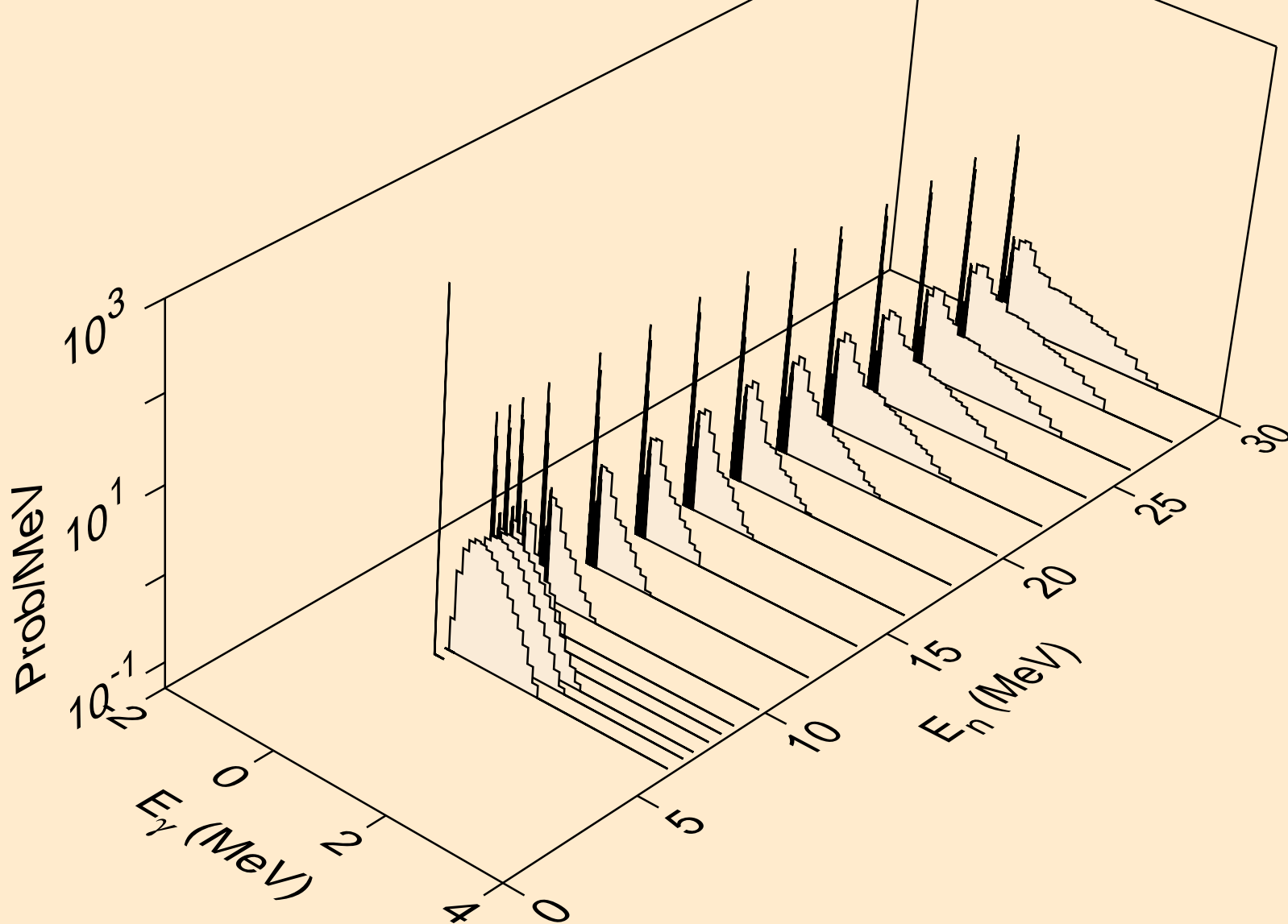
TH224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2a)



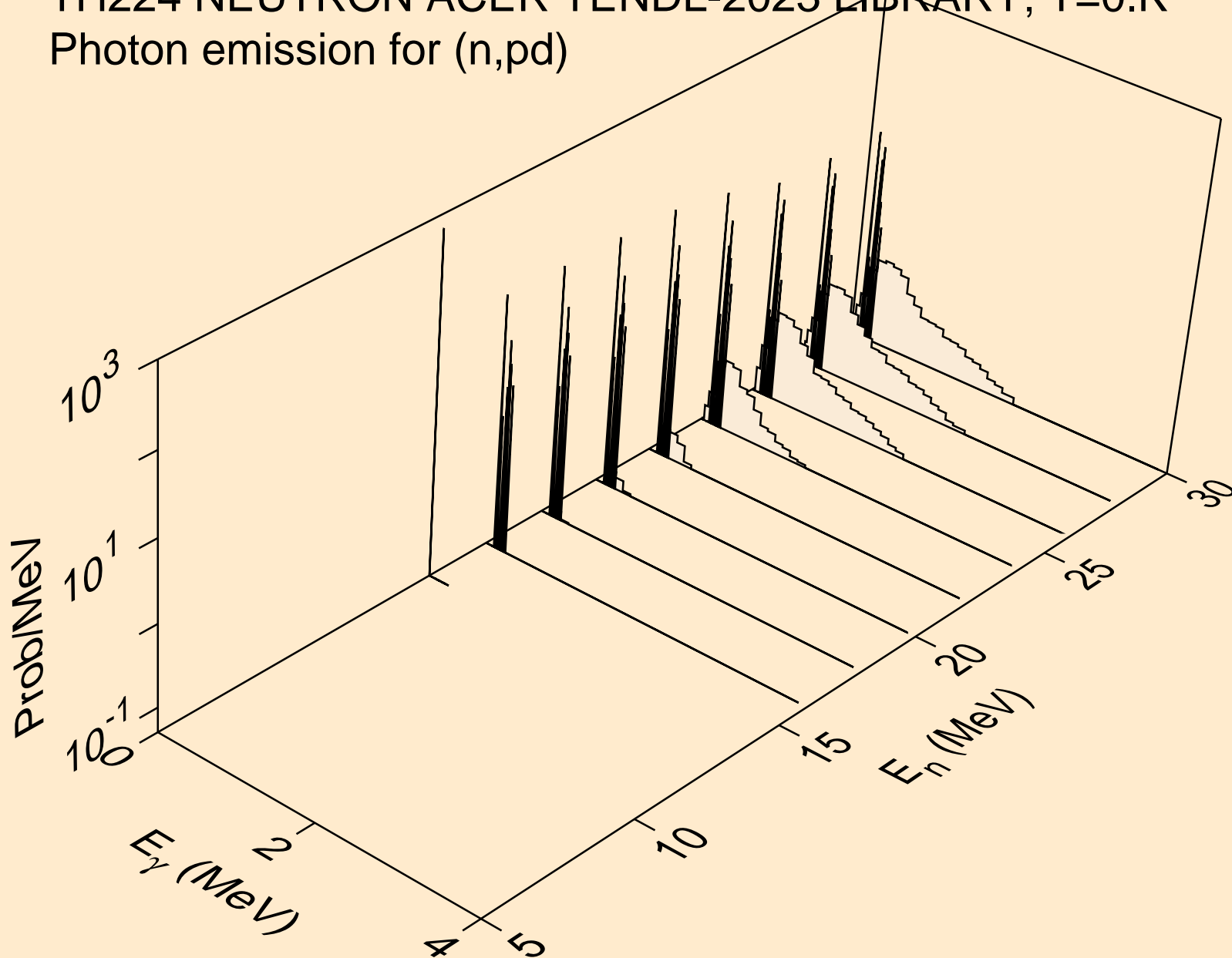
TH224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)



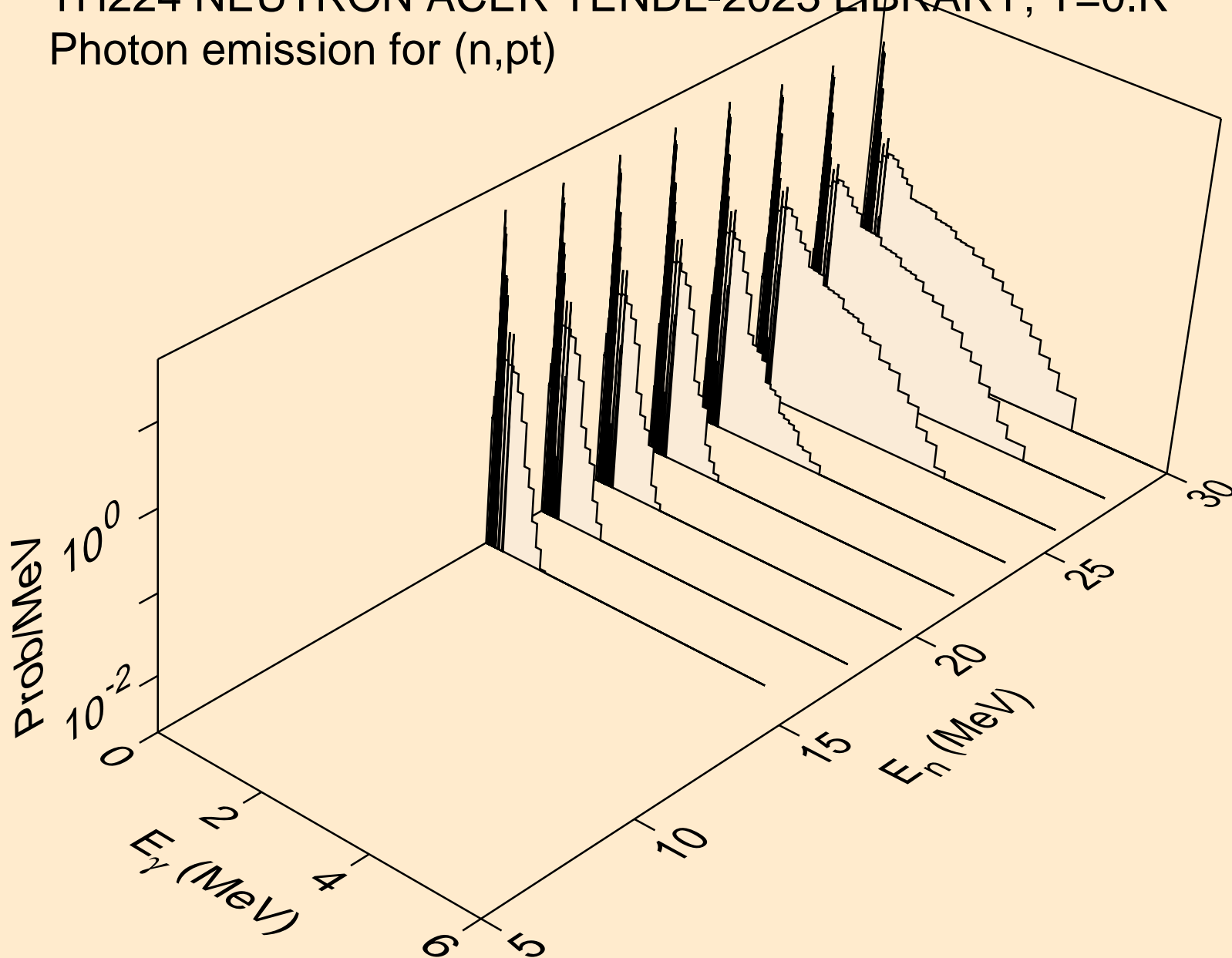
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Photon emission for (n,p $\alpha$ )



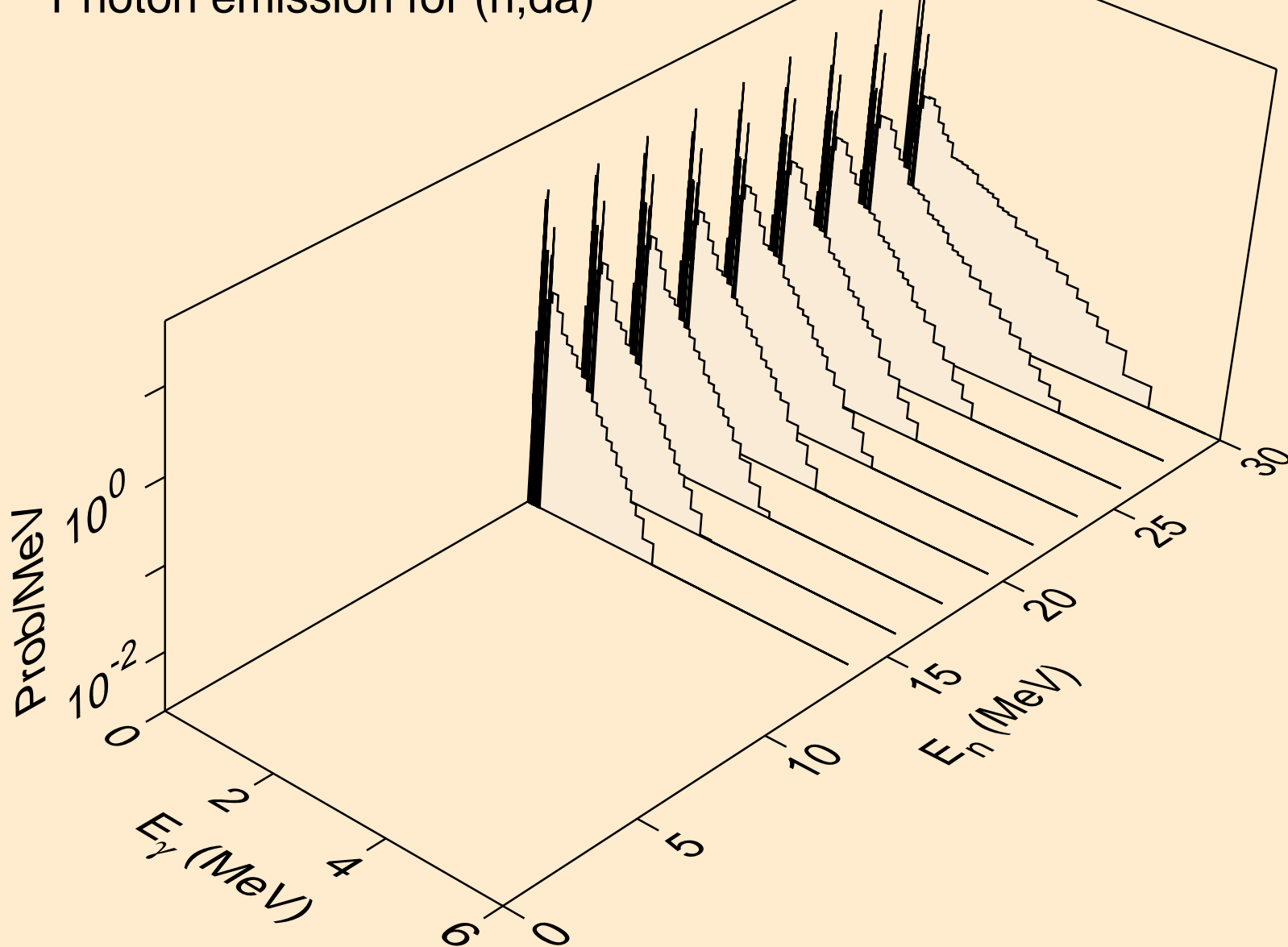
TH224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)



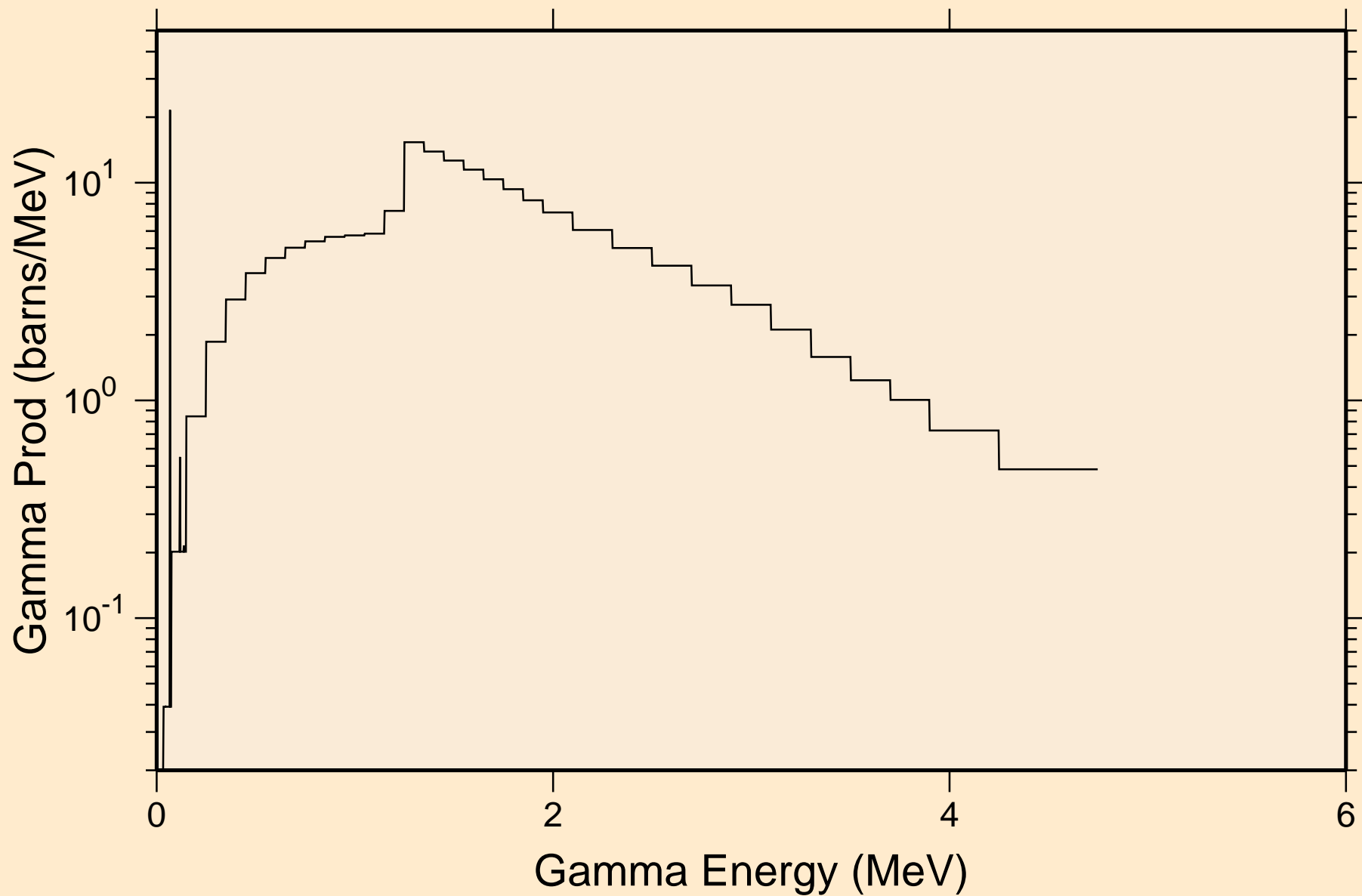
TH224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)



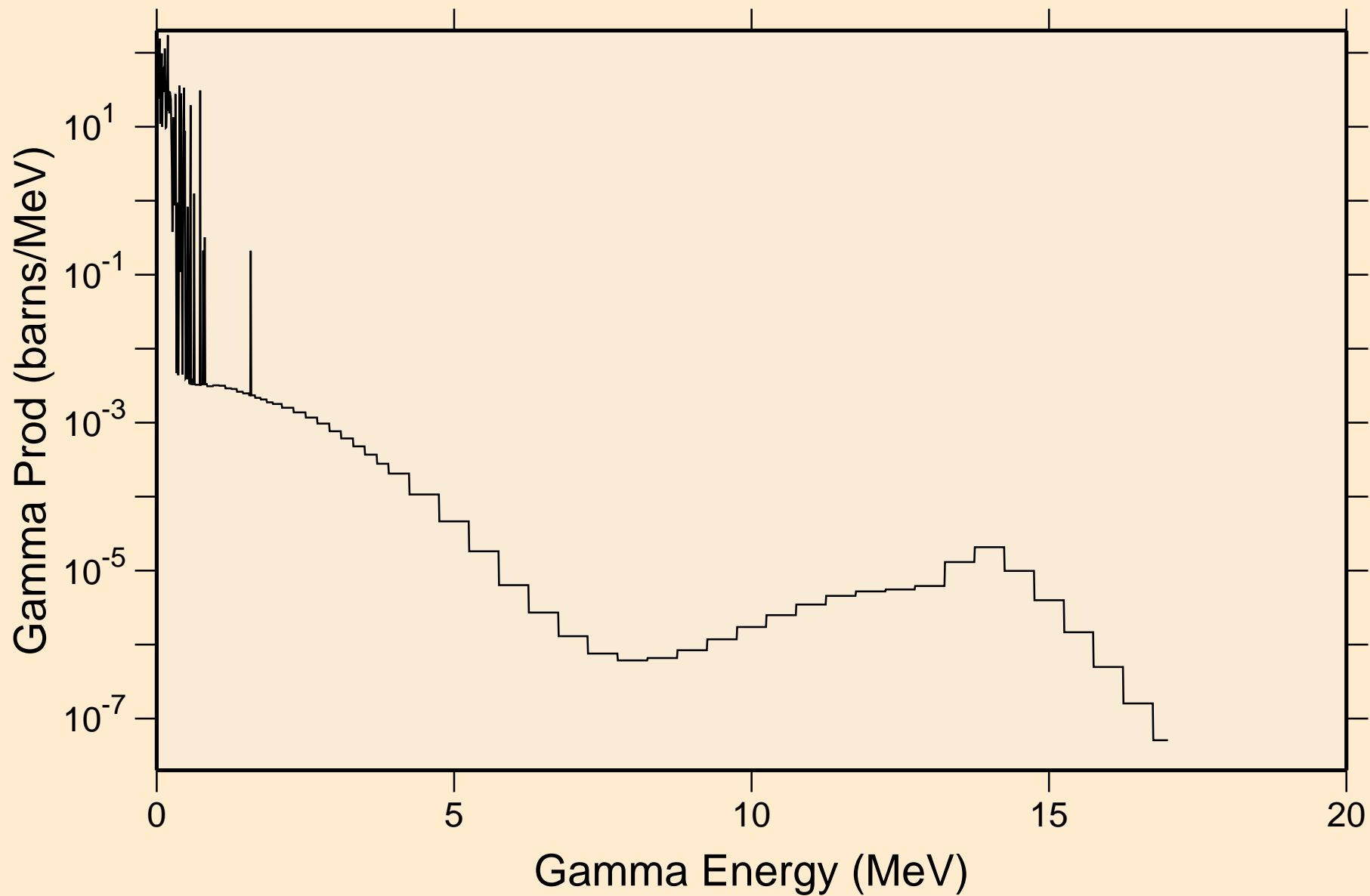
TH224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)



TH224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
thermal capture photon spectrum

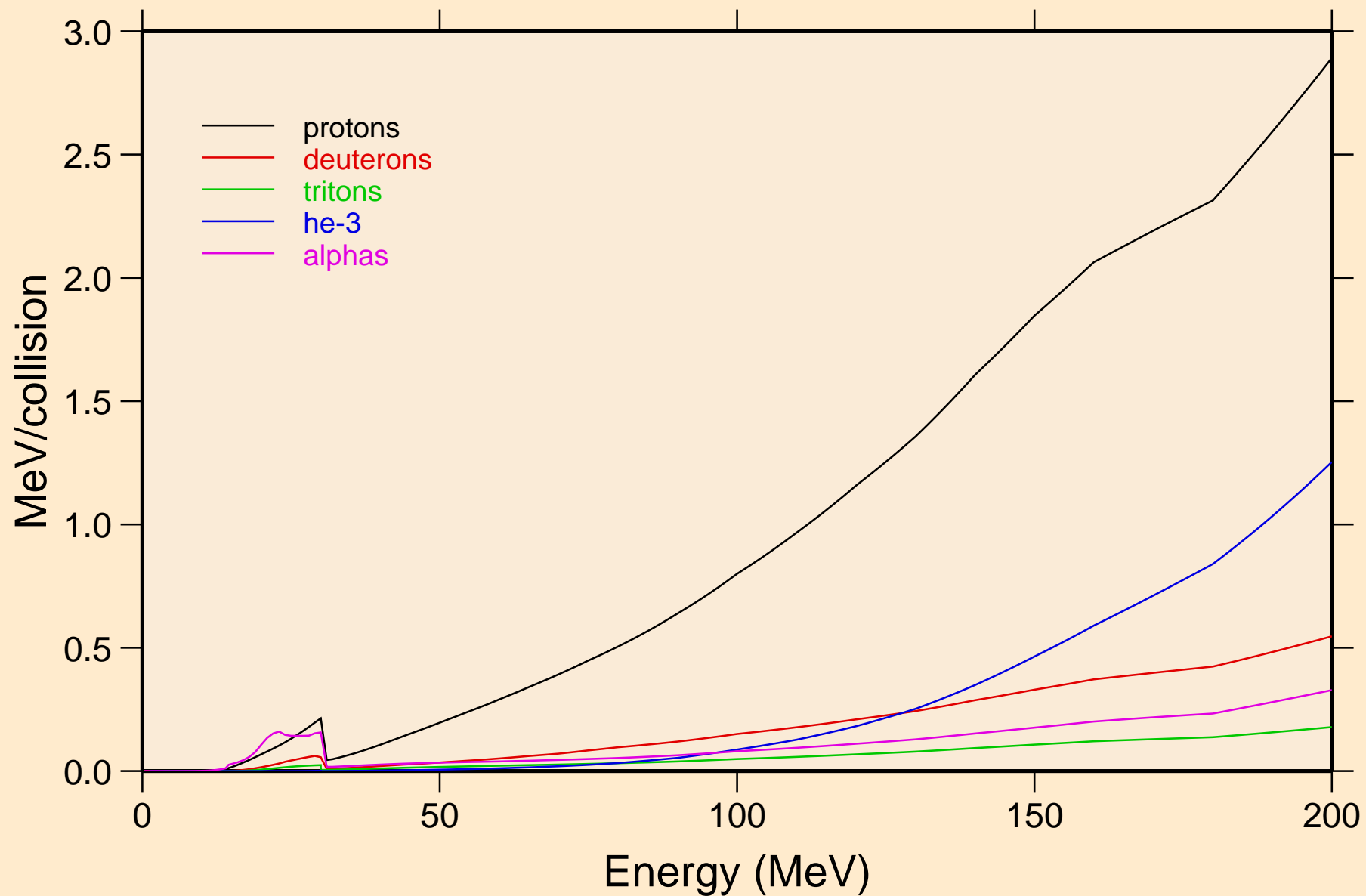


TH224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
14 MeV photon spectrum

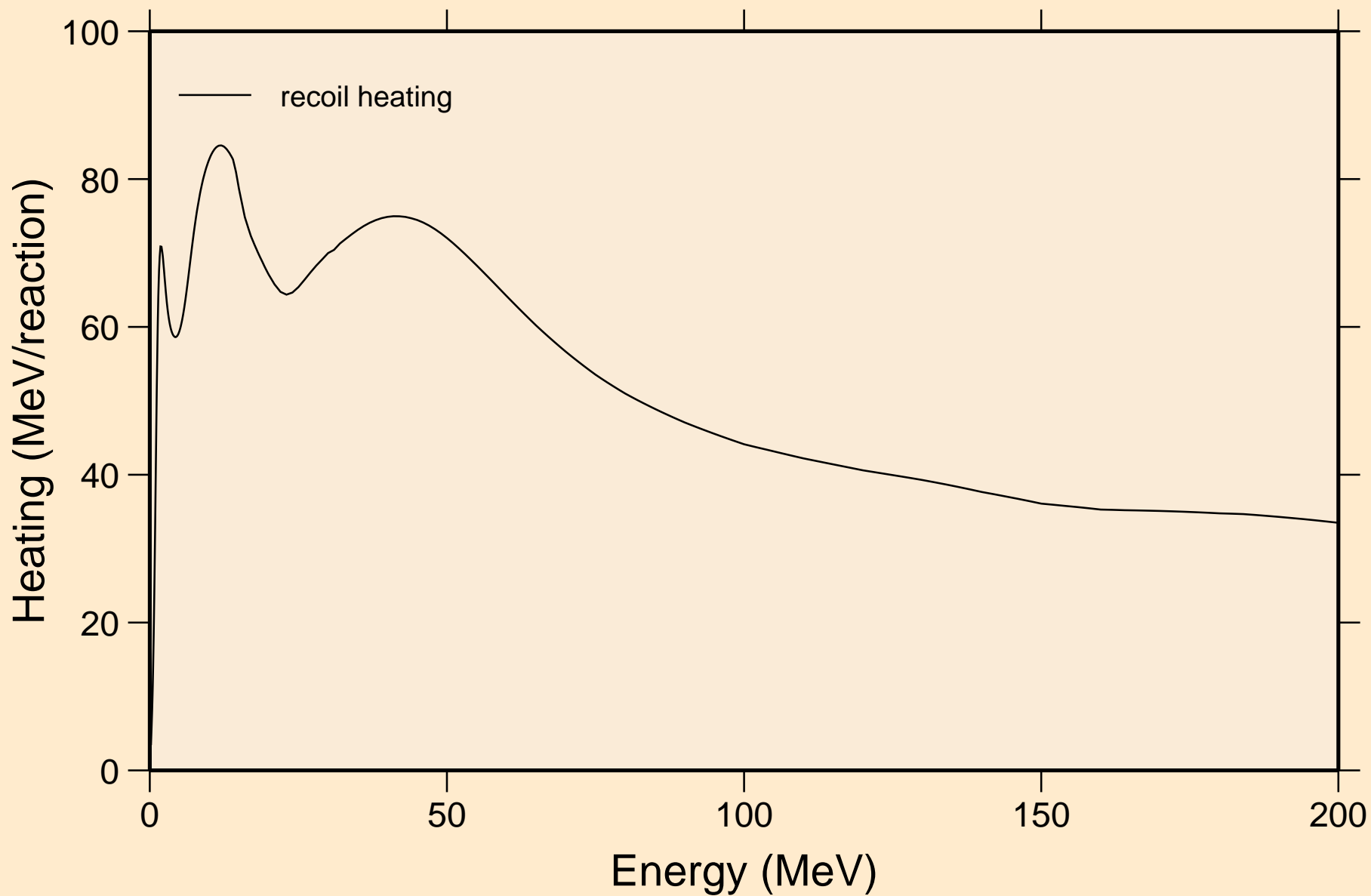


# TH224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Particle heating contributions

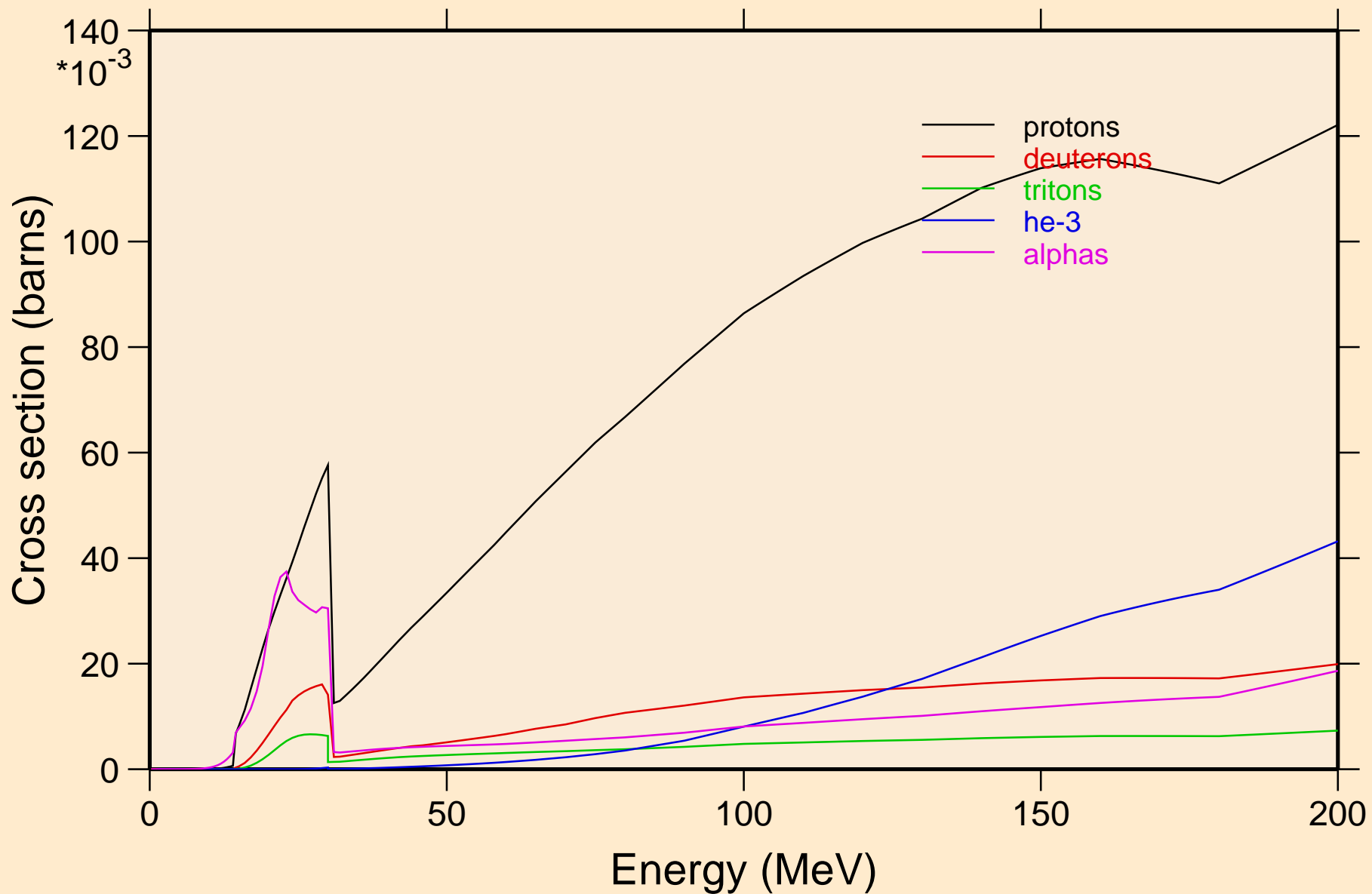


TH224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating

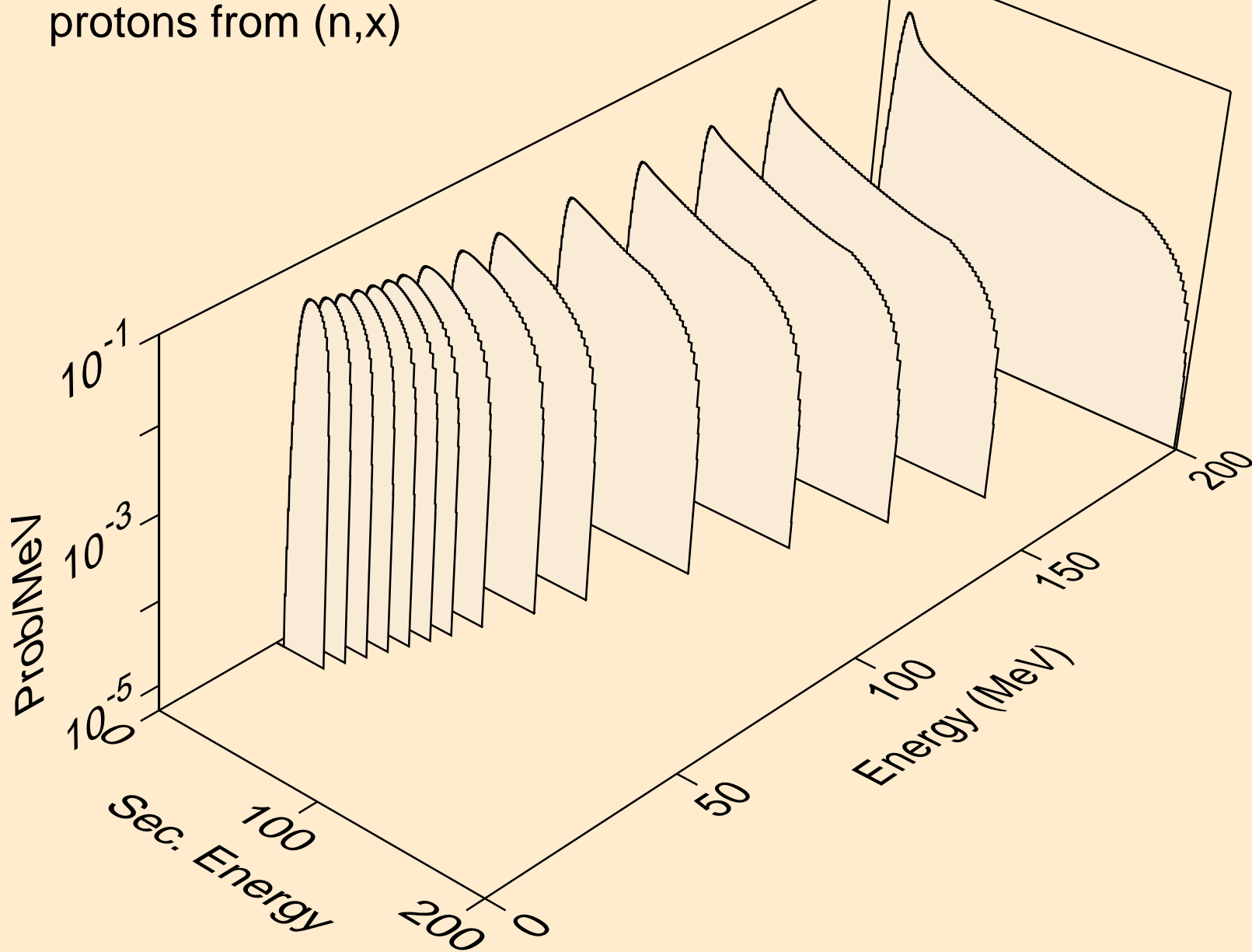


# TH224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

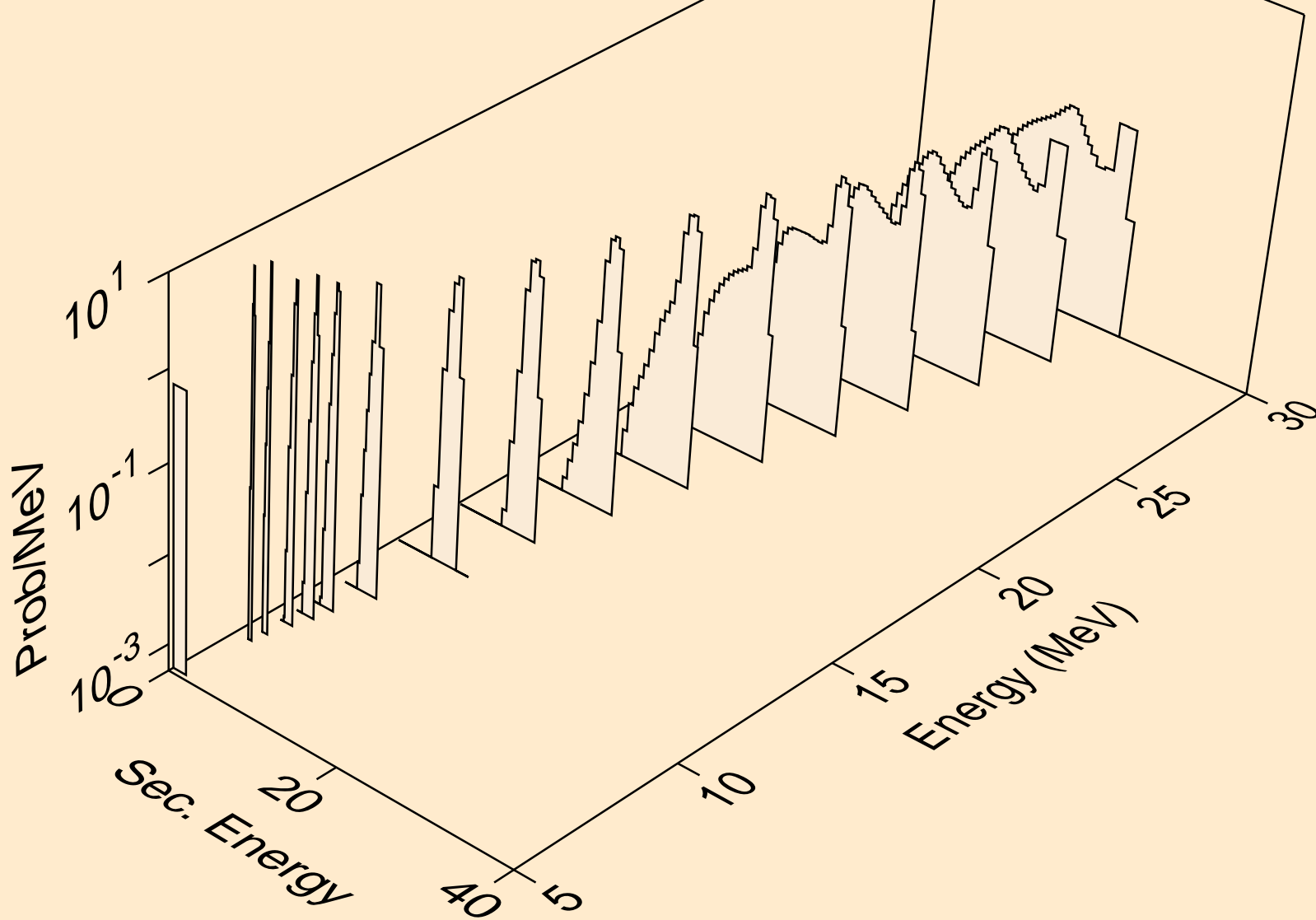
## Particle production cross sections



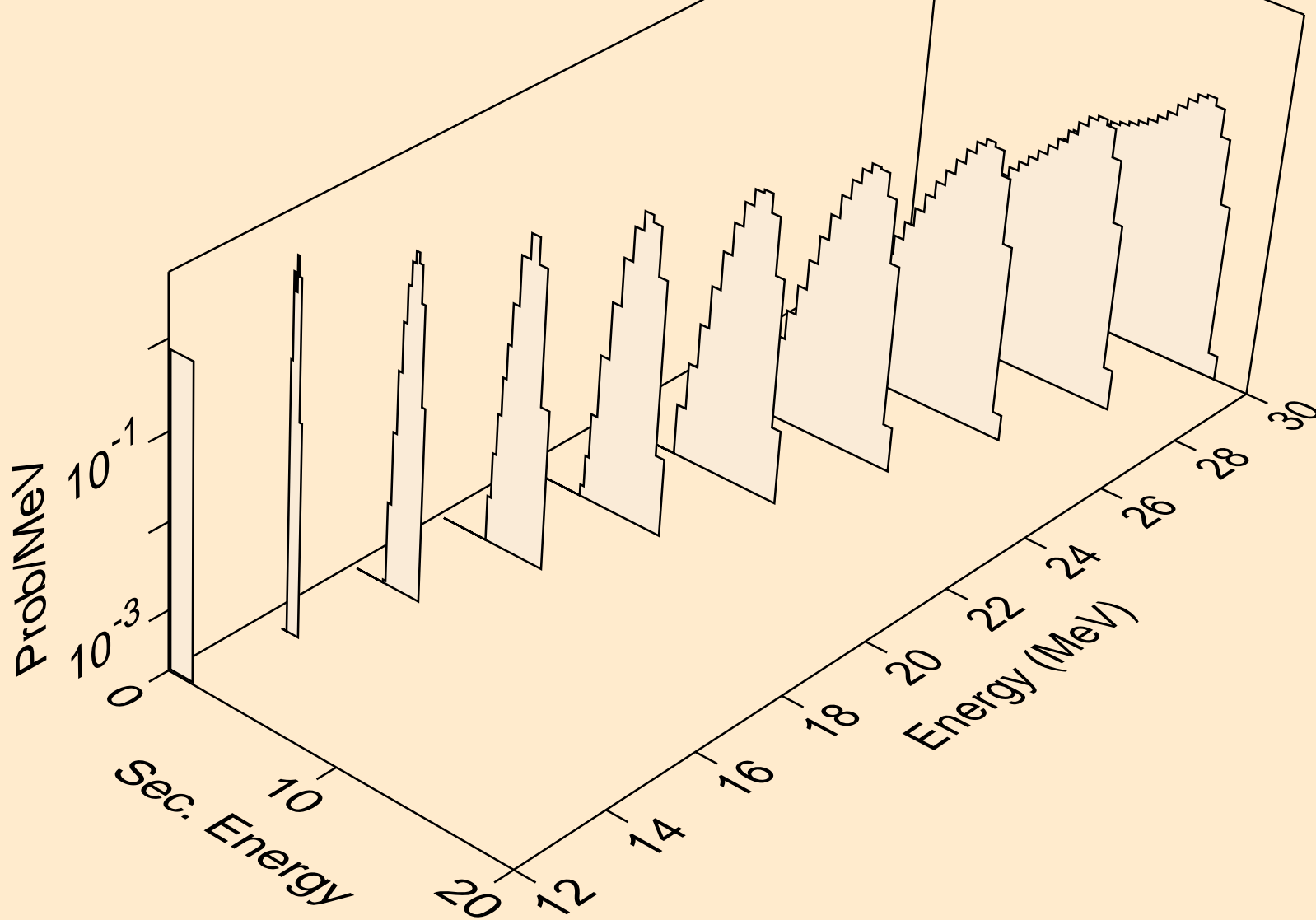
TH224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,x)



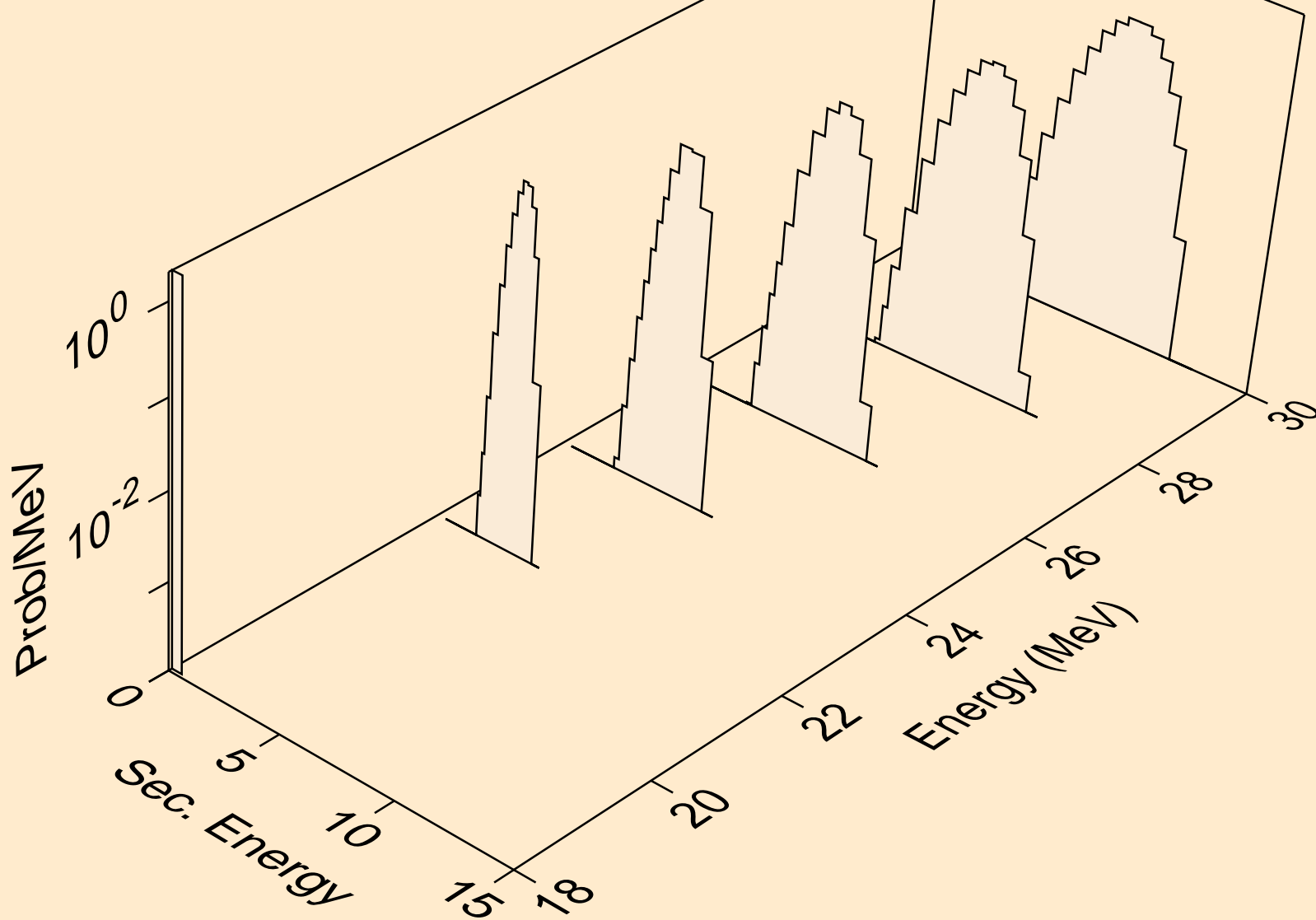
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protons from (n,n\*)p



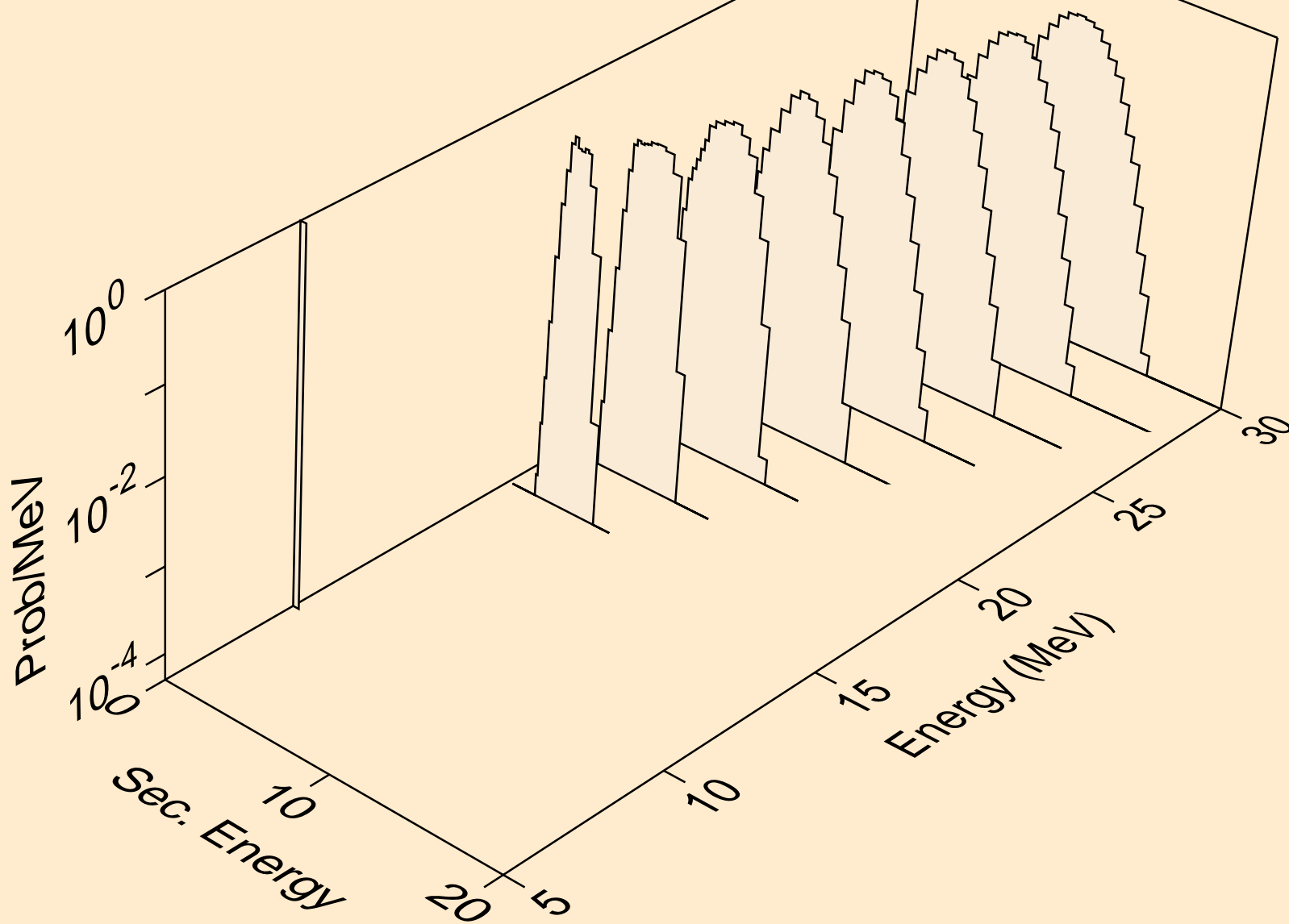
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protons from (n,2np)



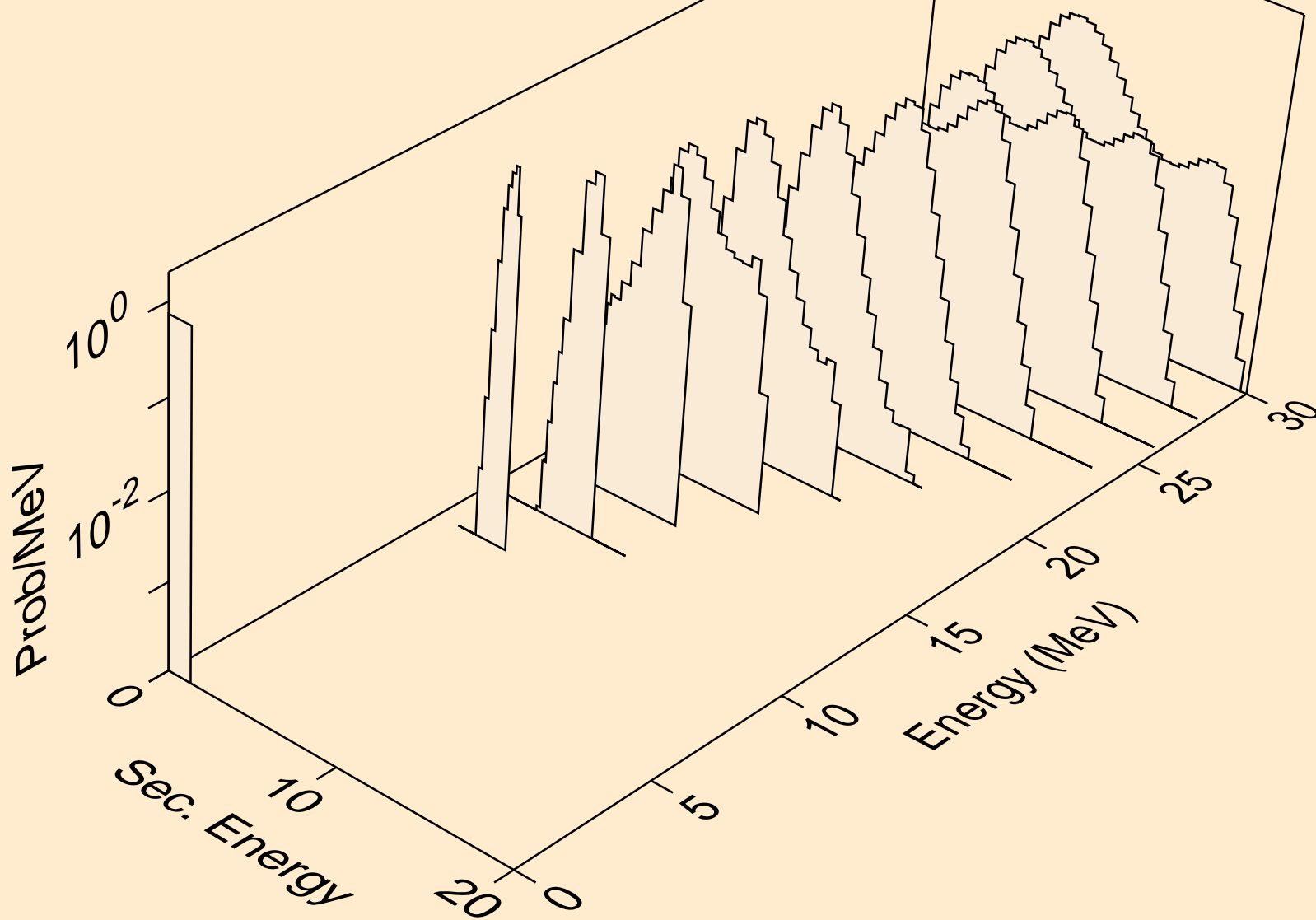
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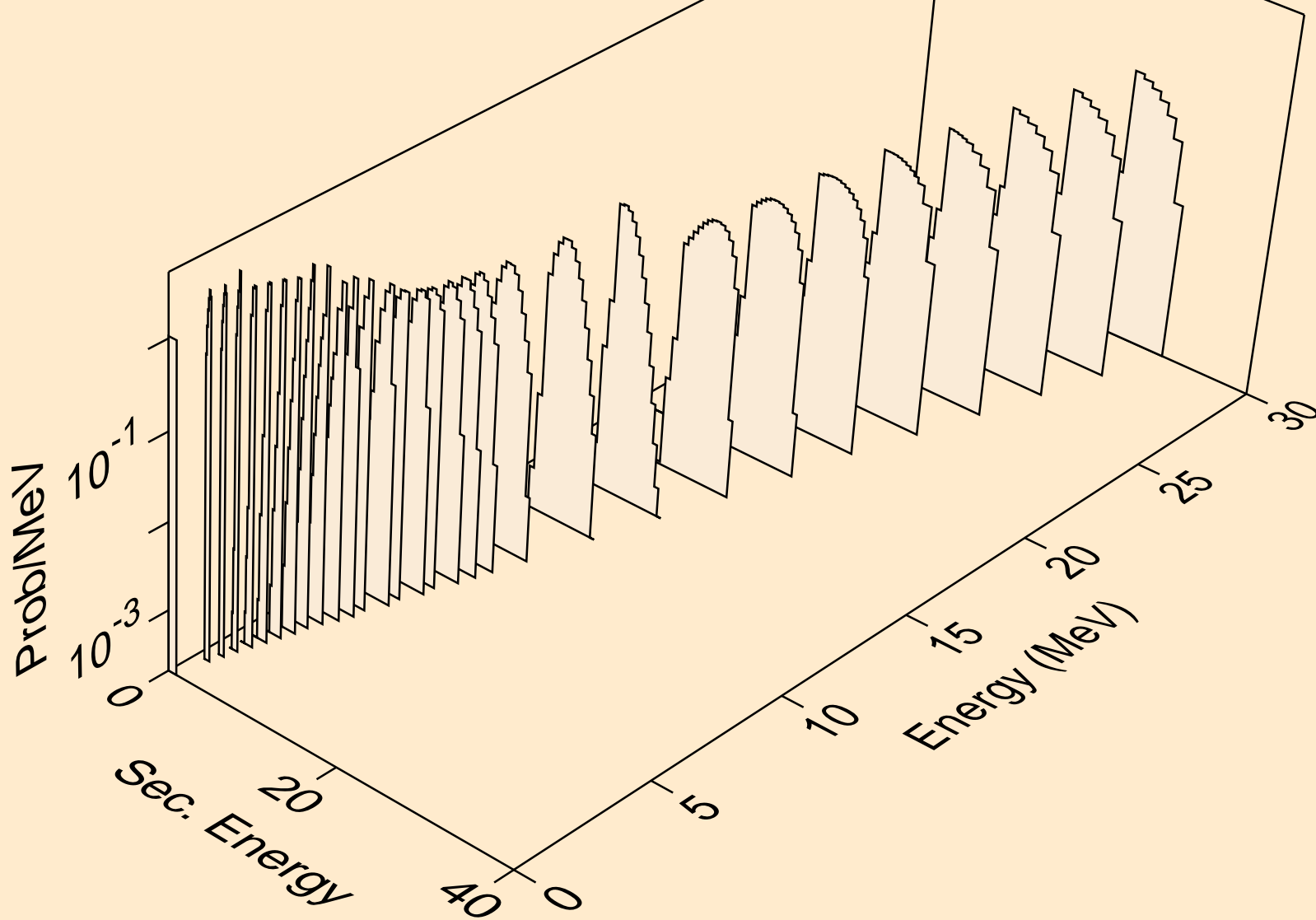
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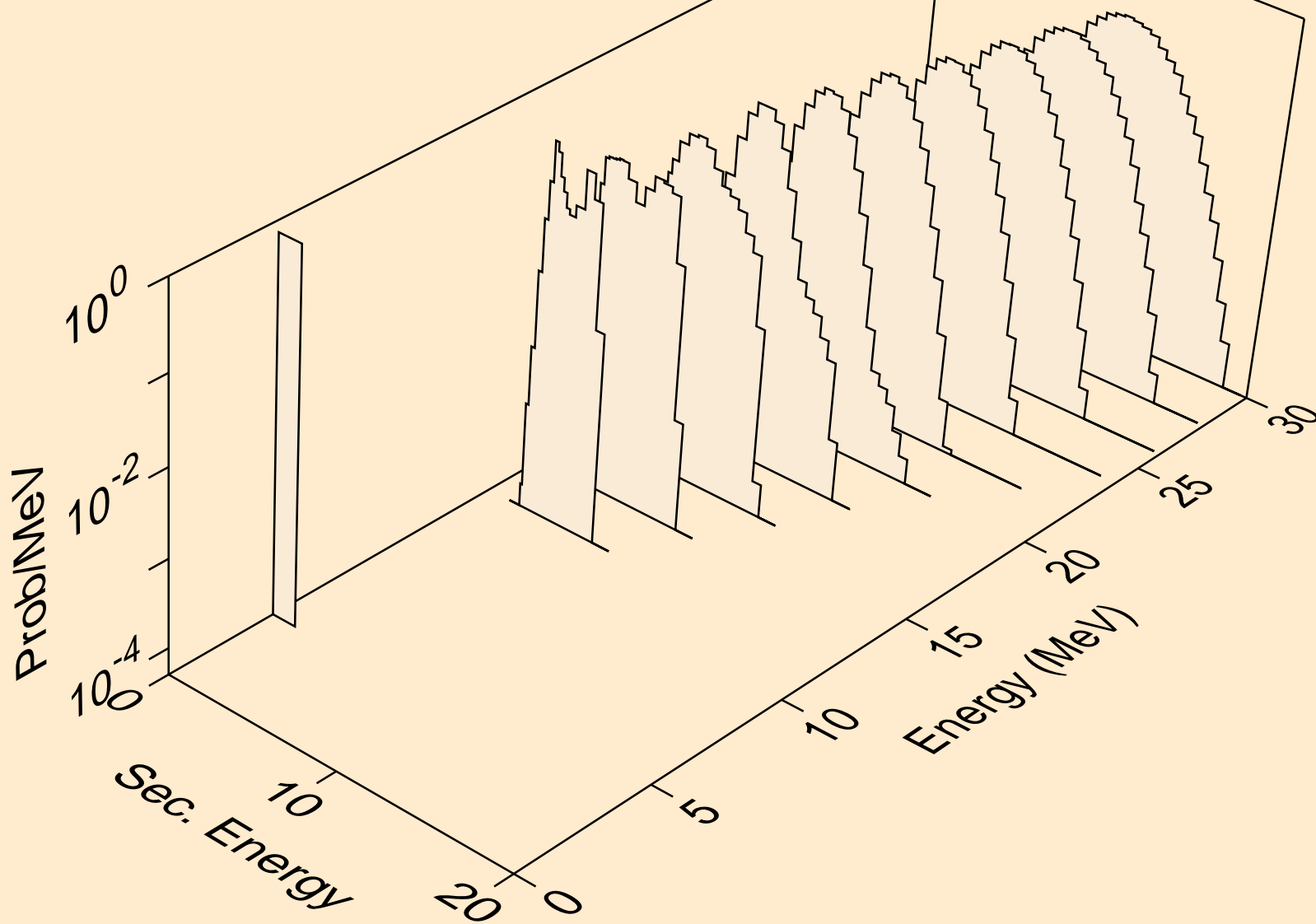
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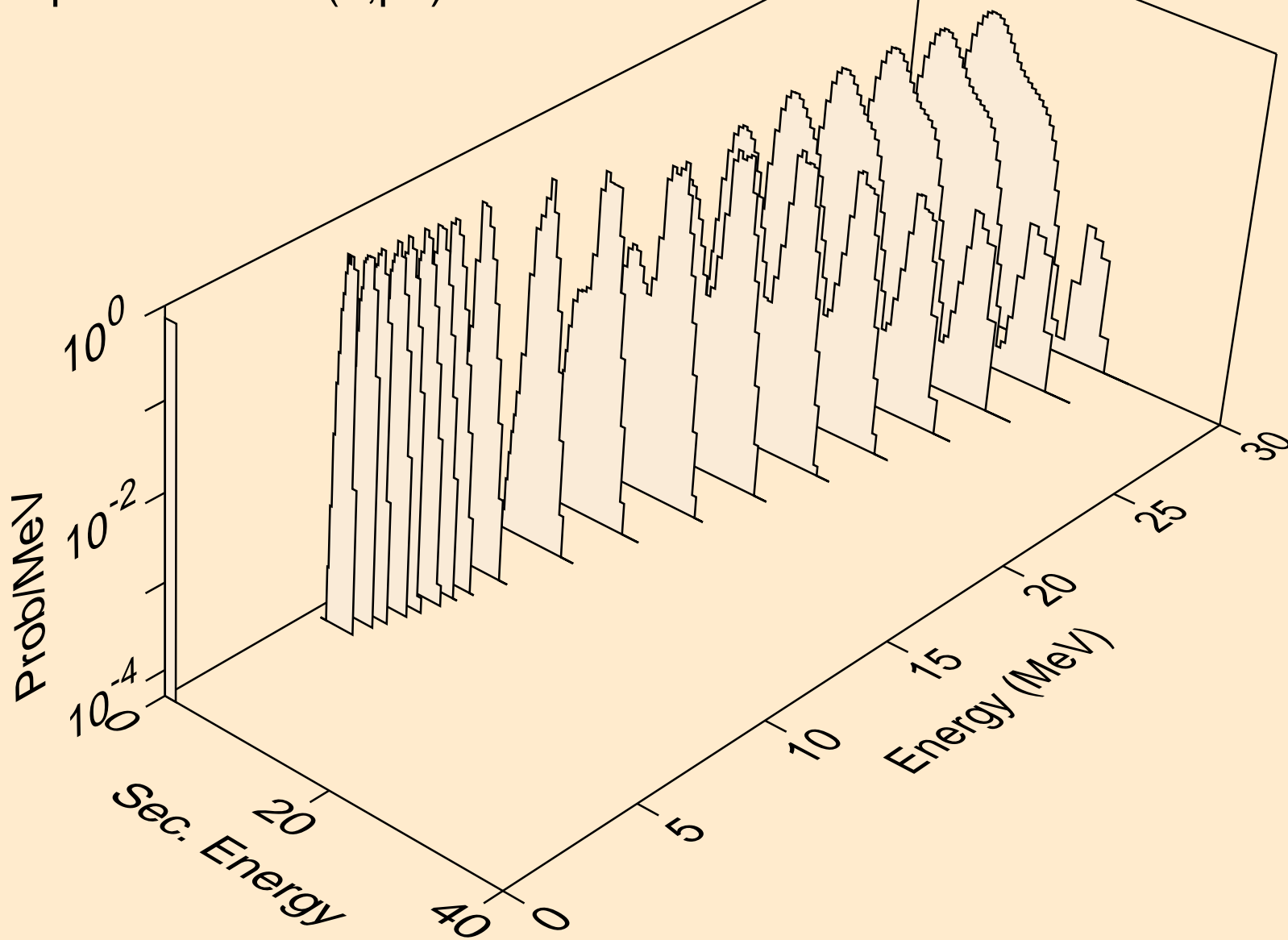
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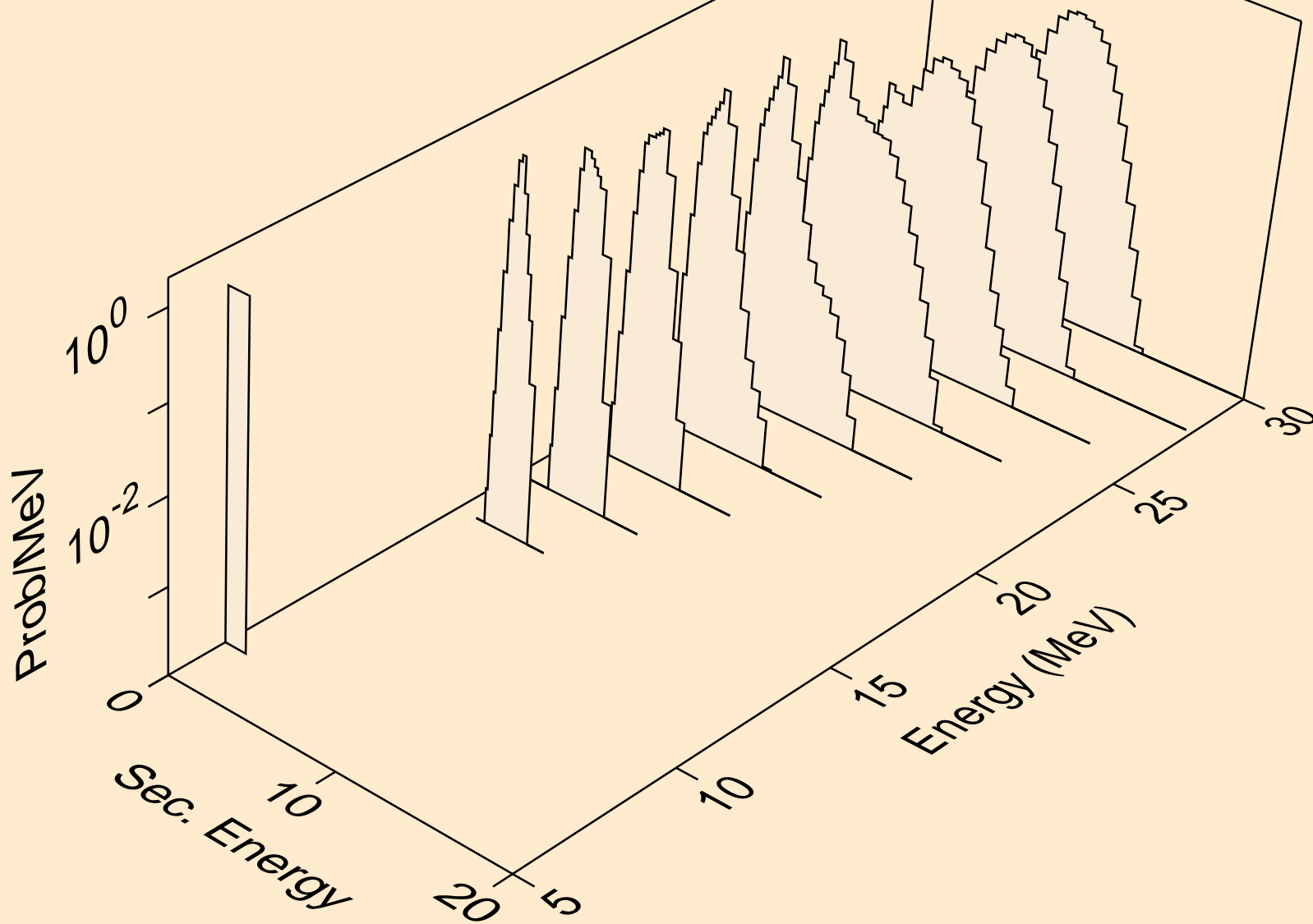
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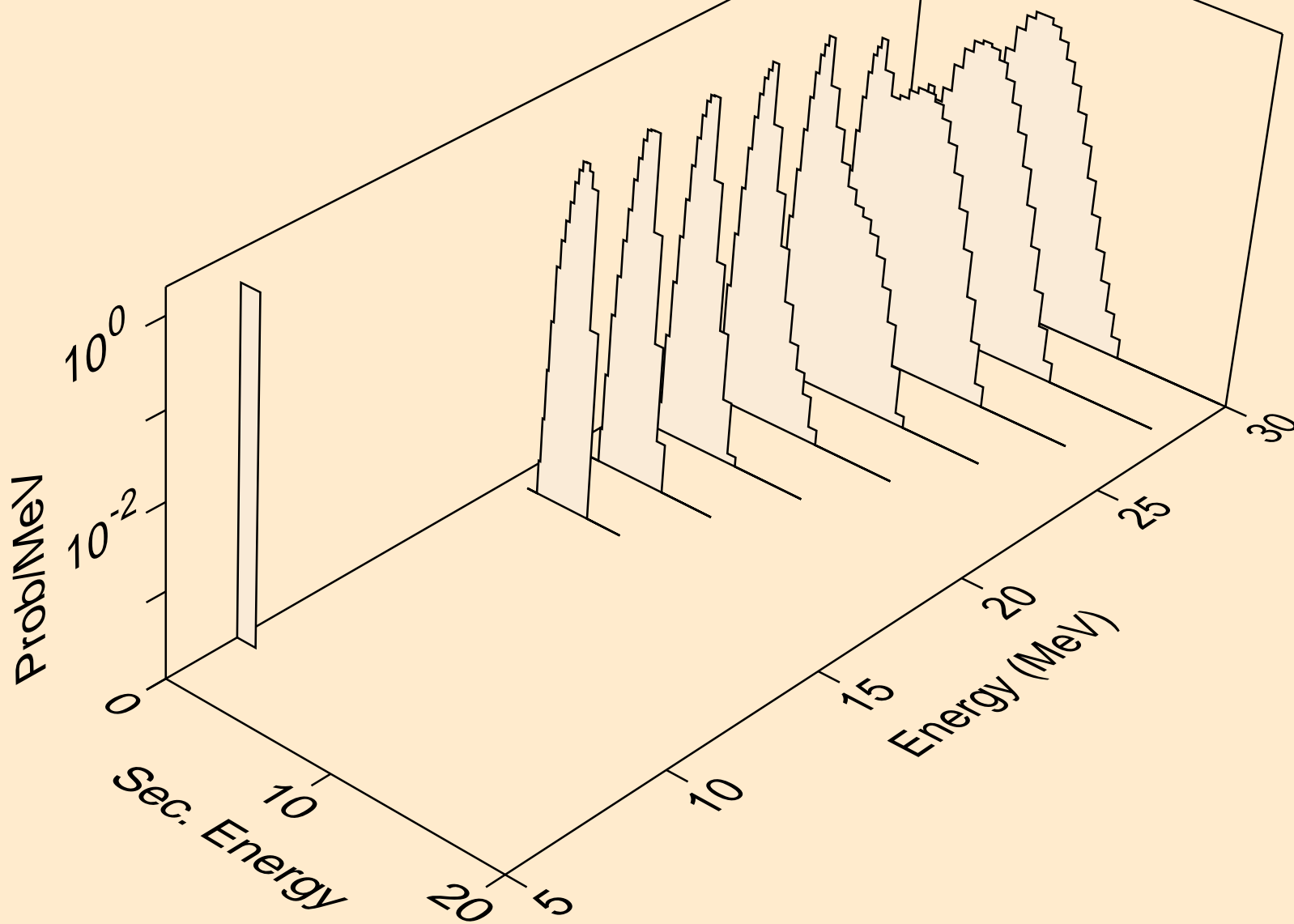
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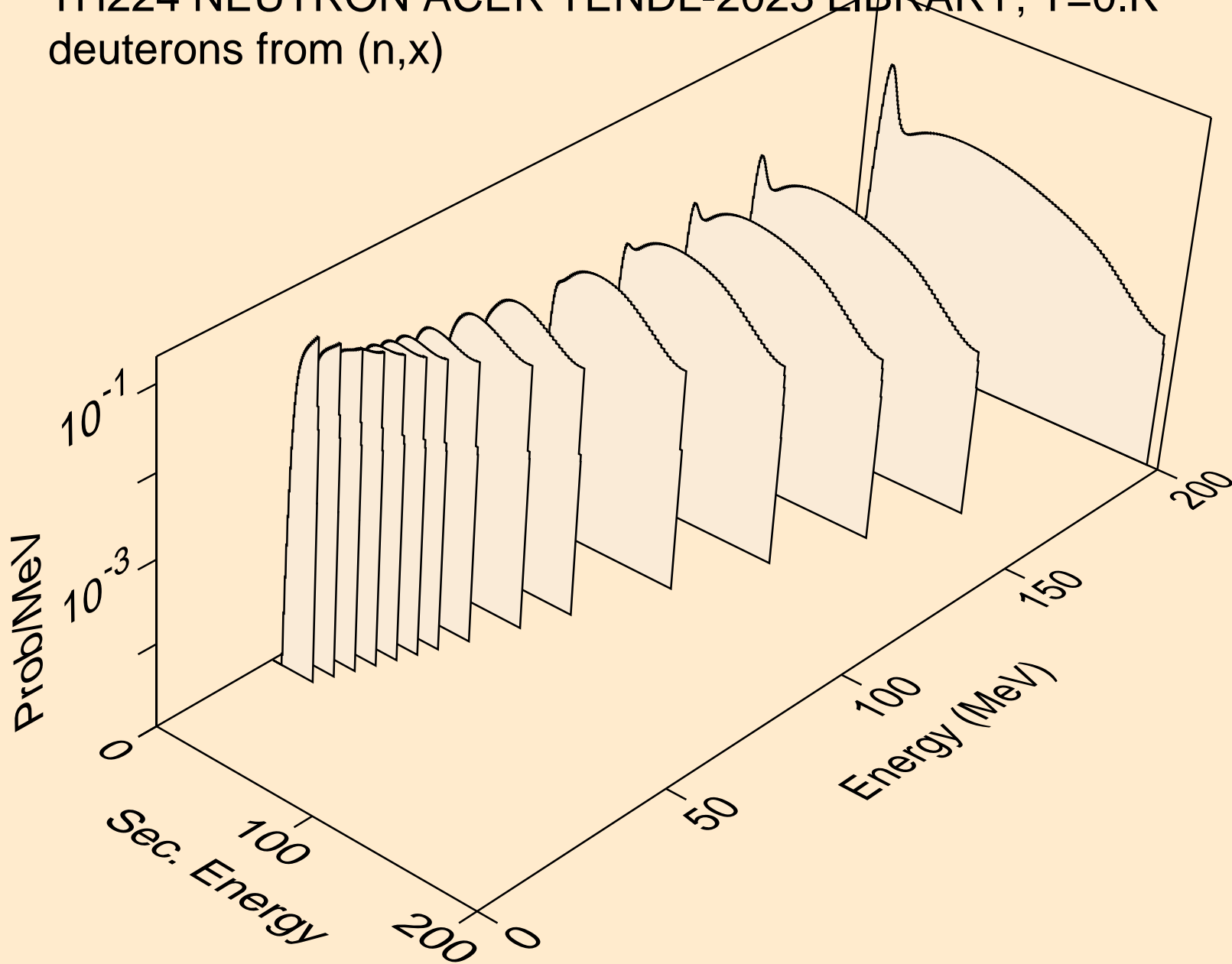
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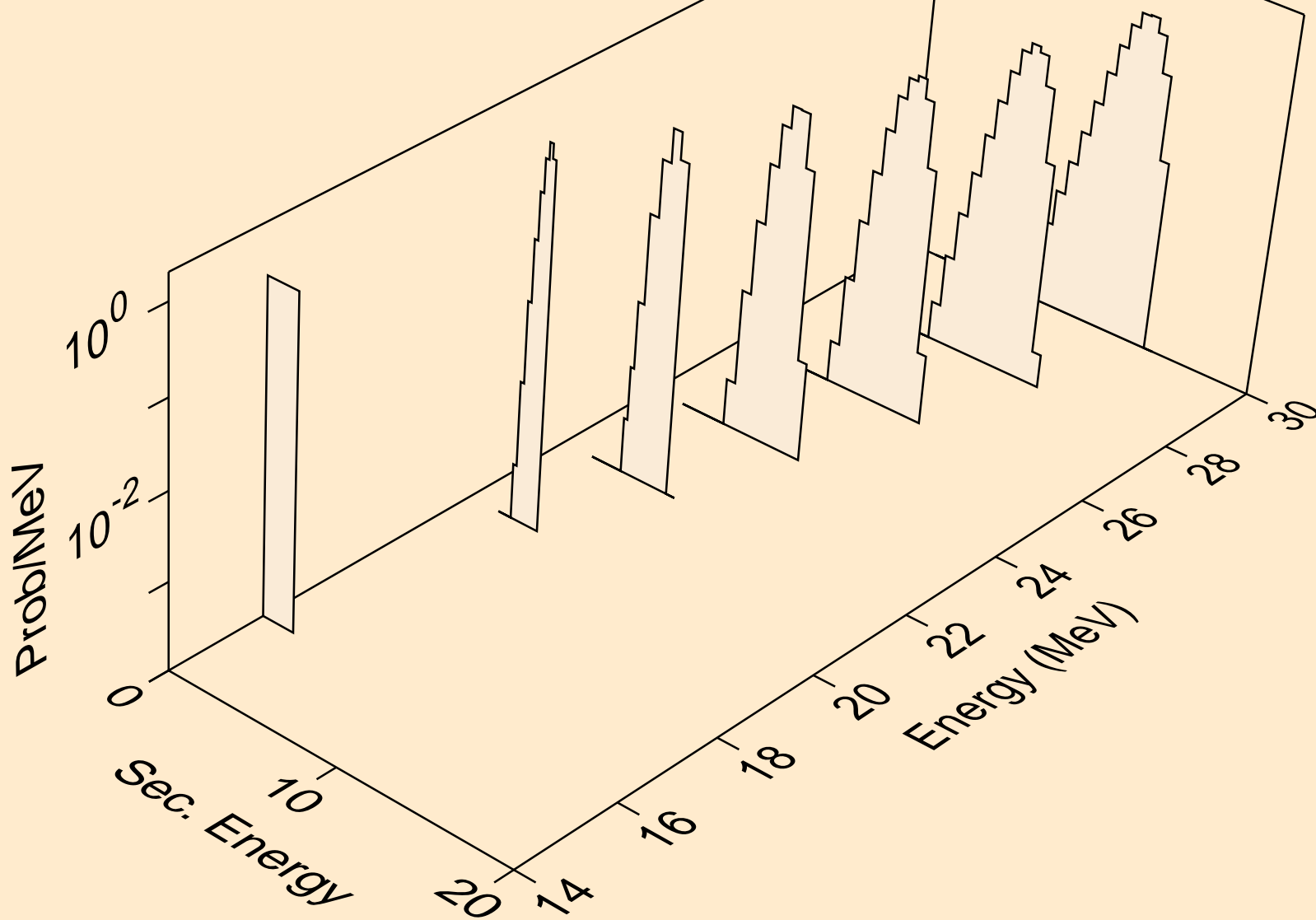
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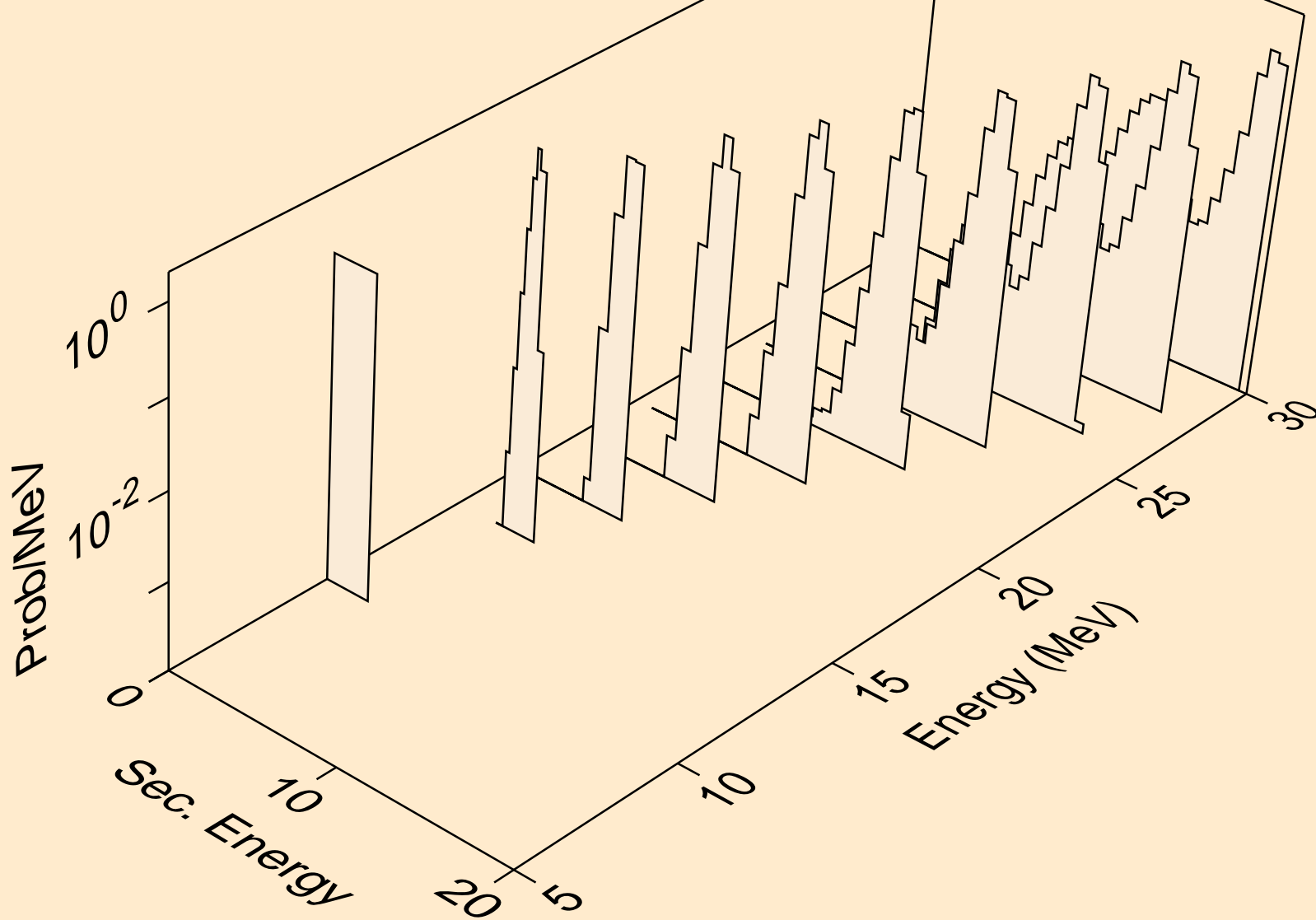
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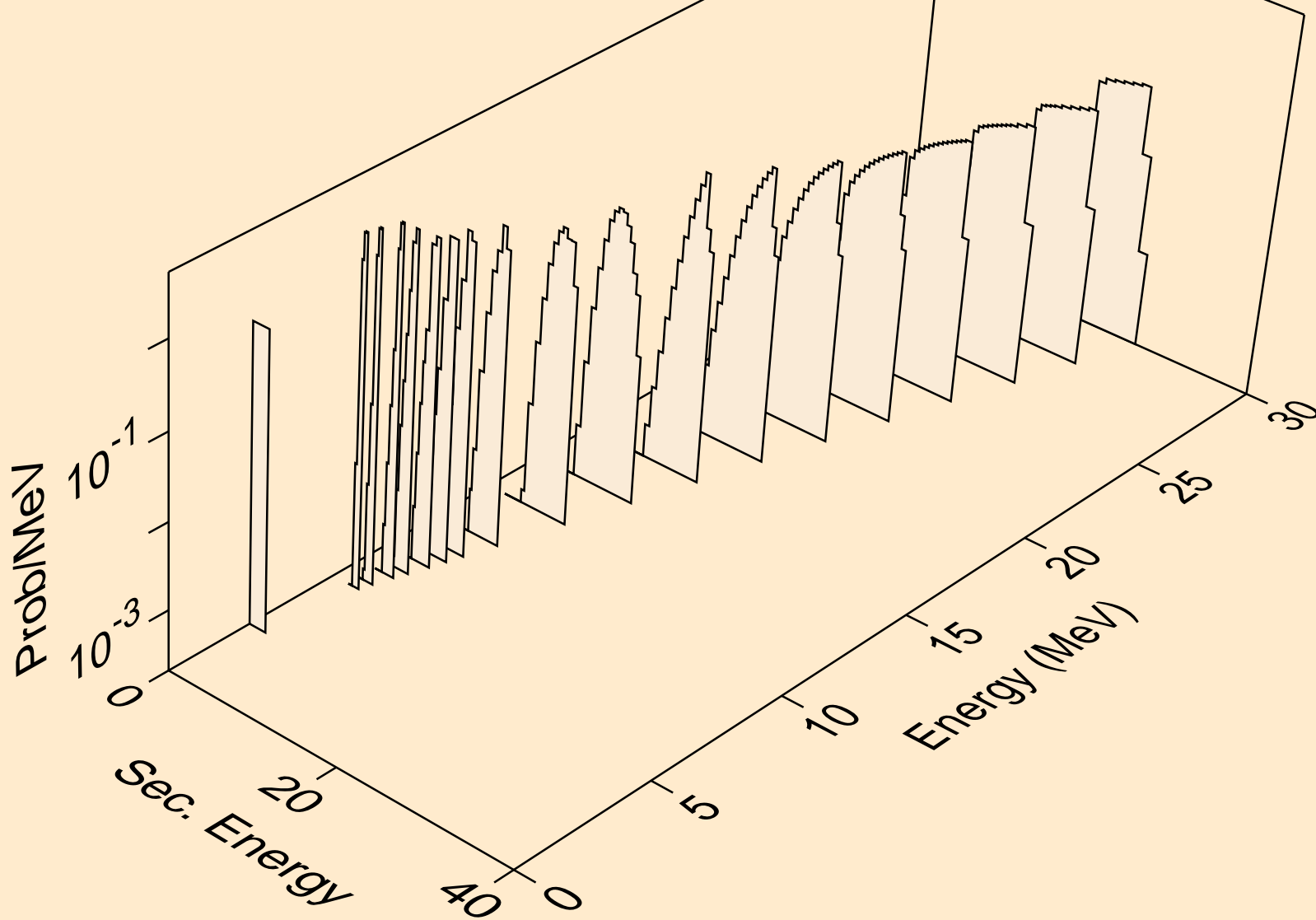
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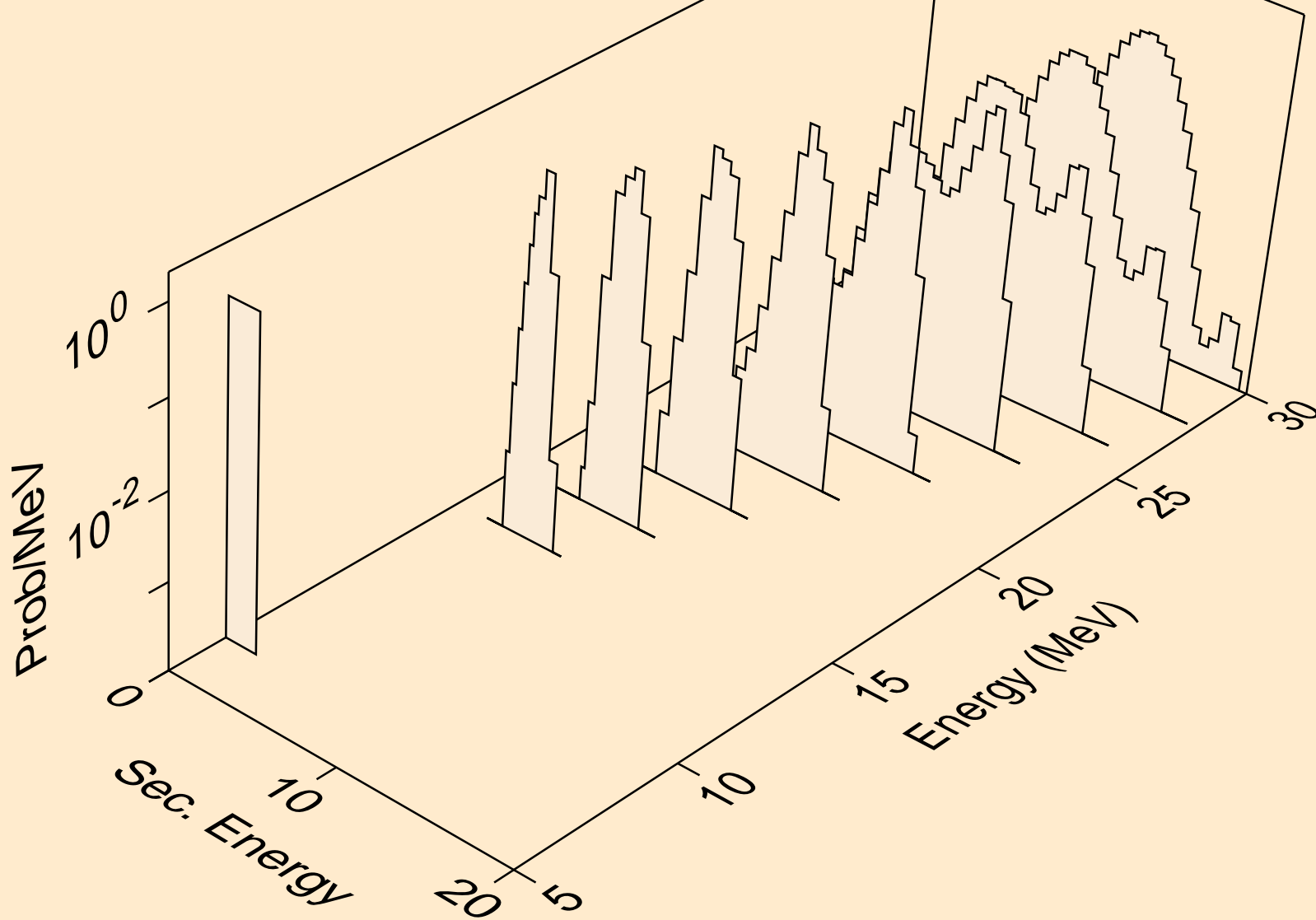
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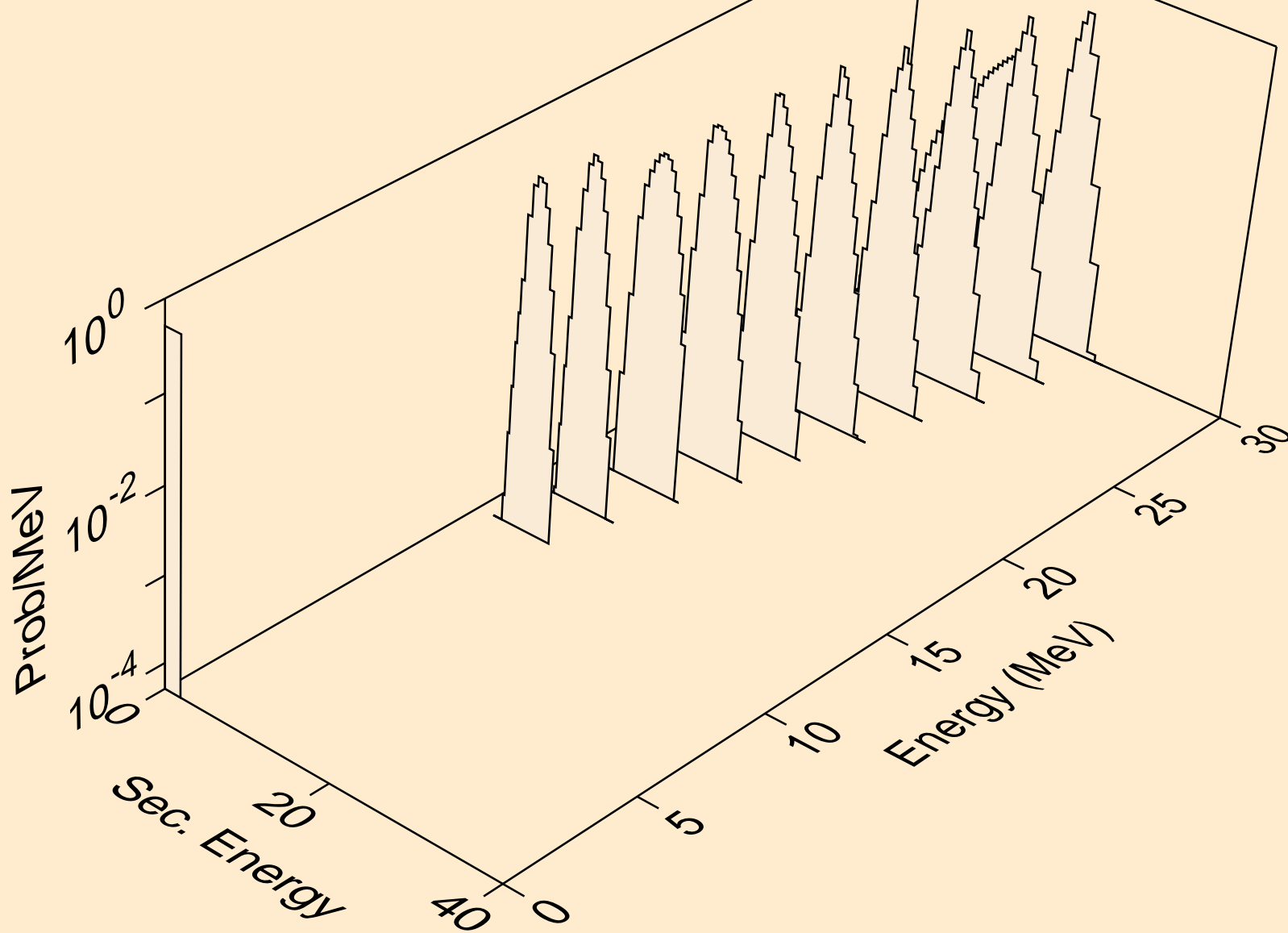
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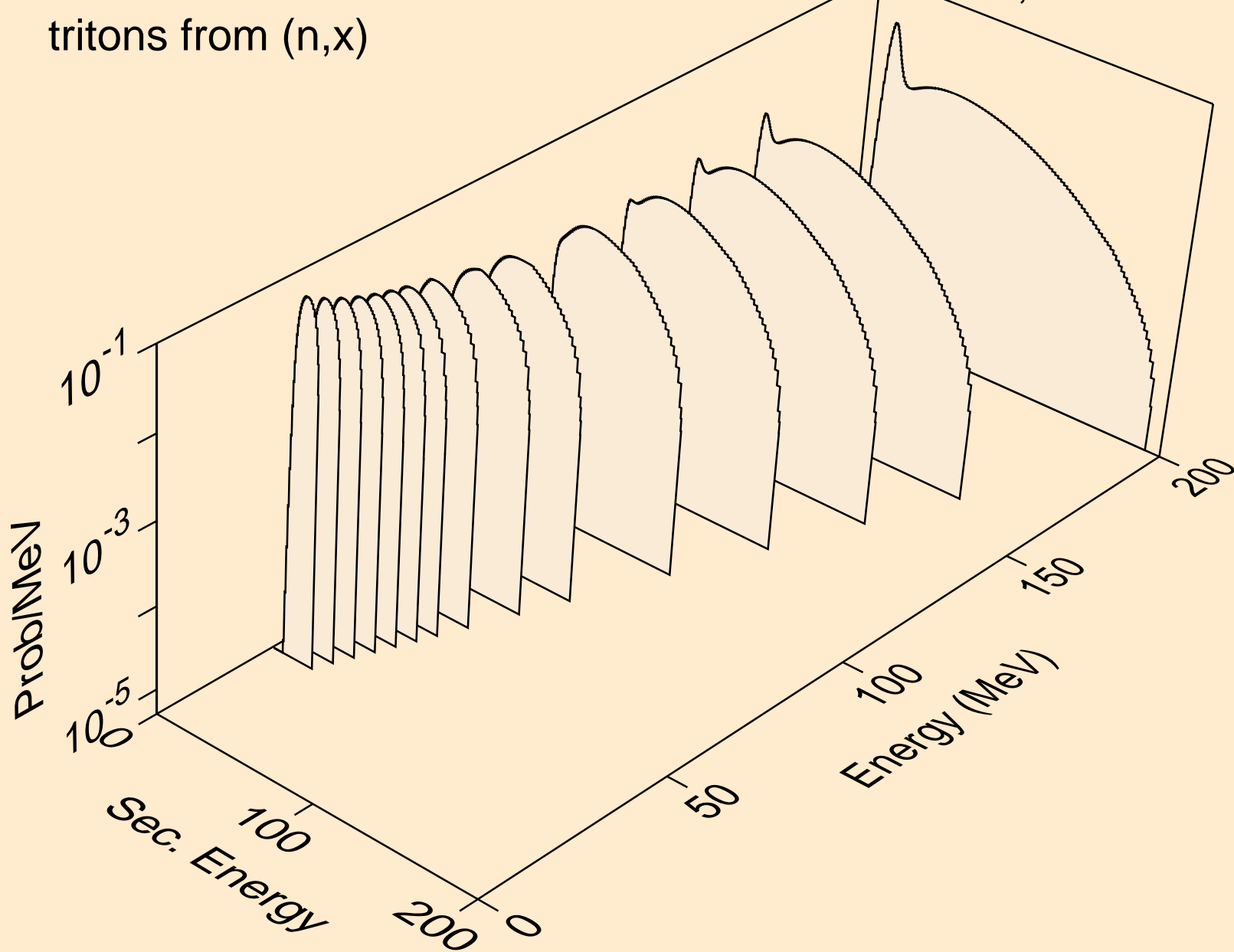
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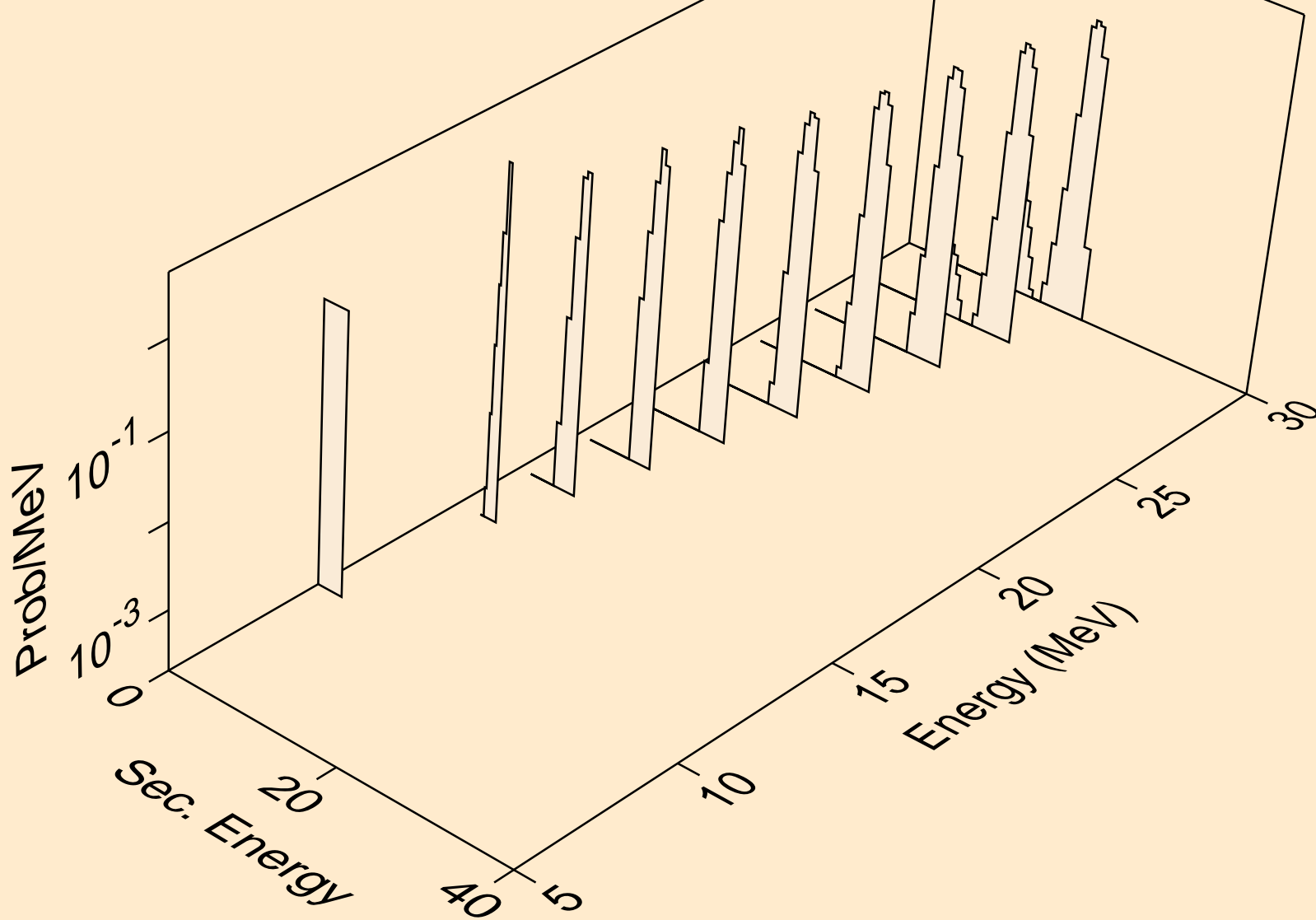
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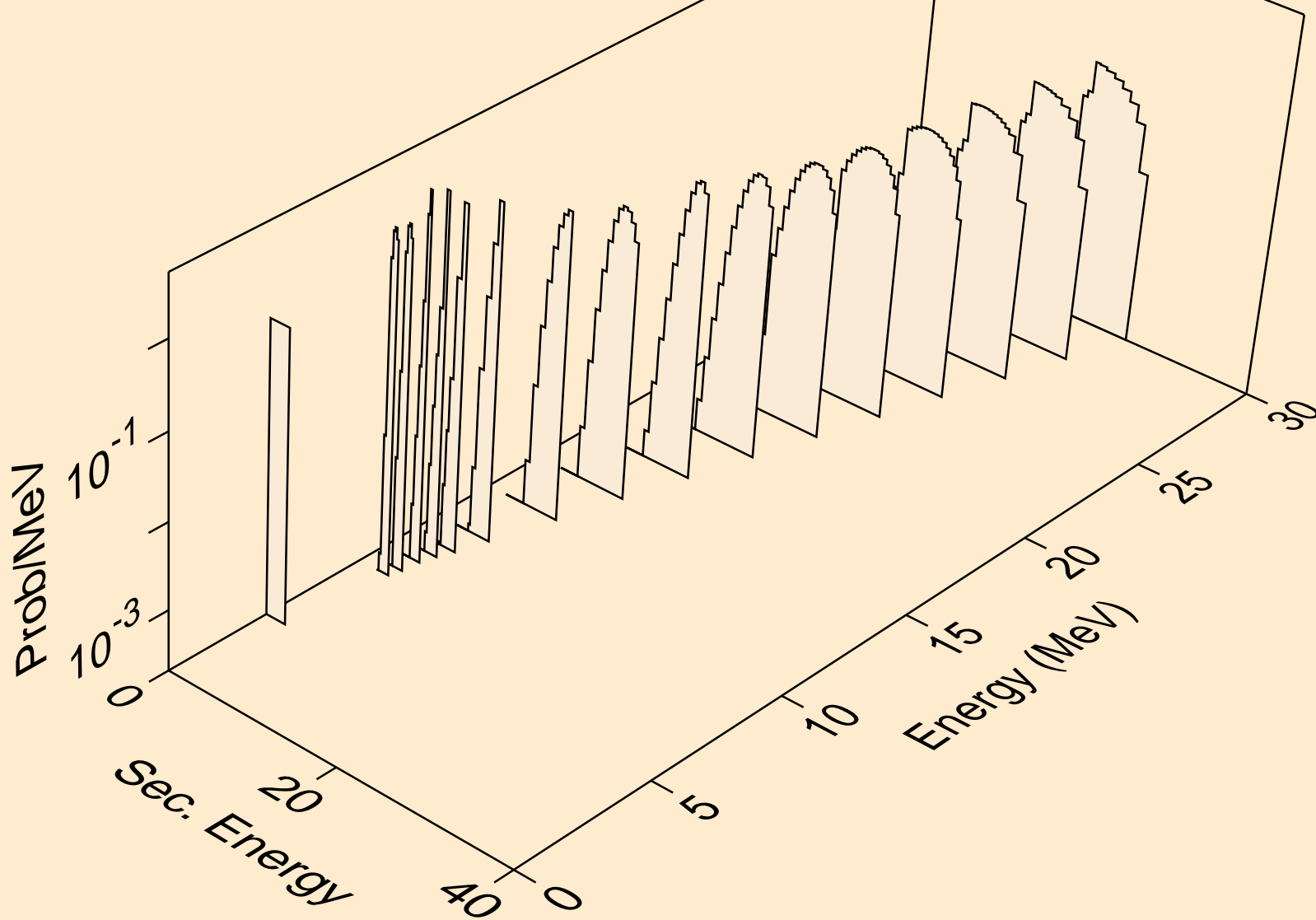
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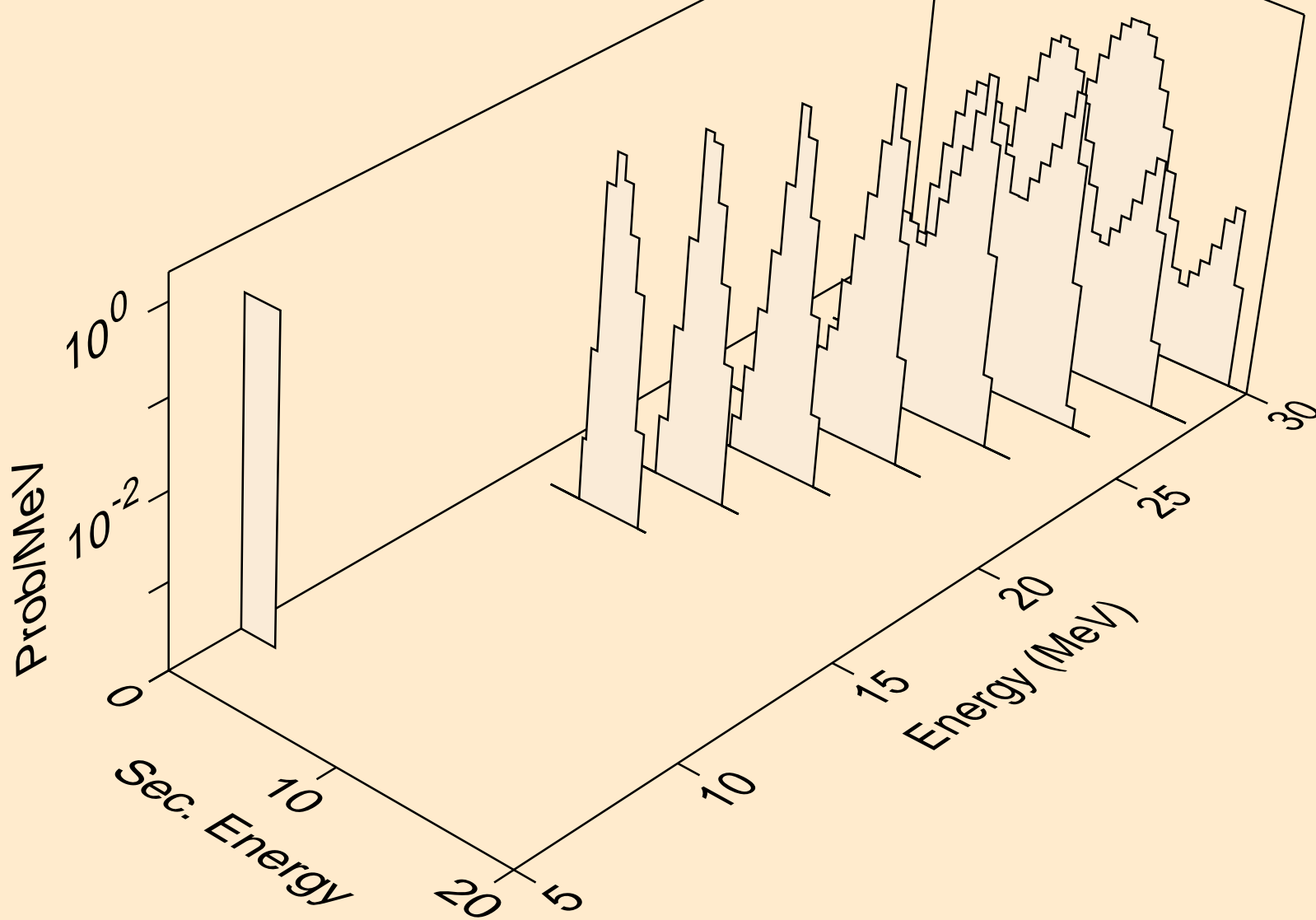
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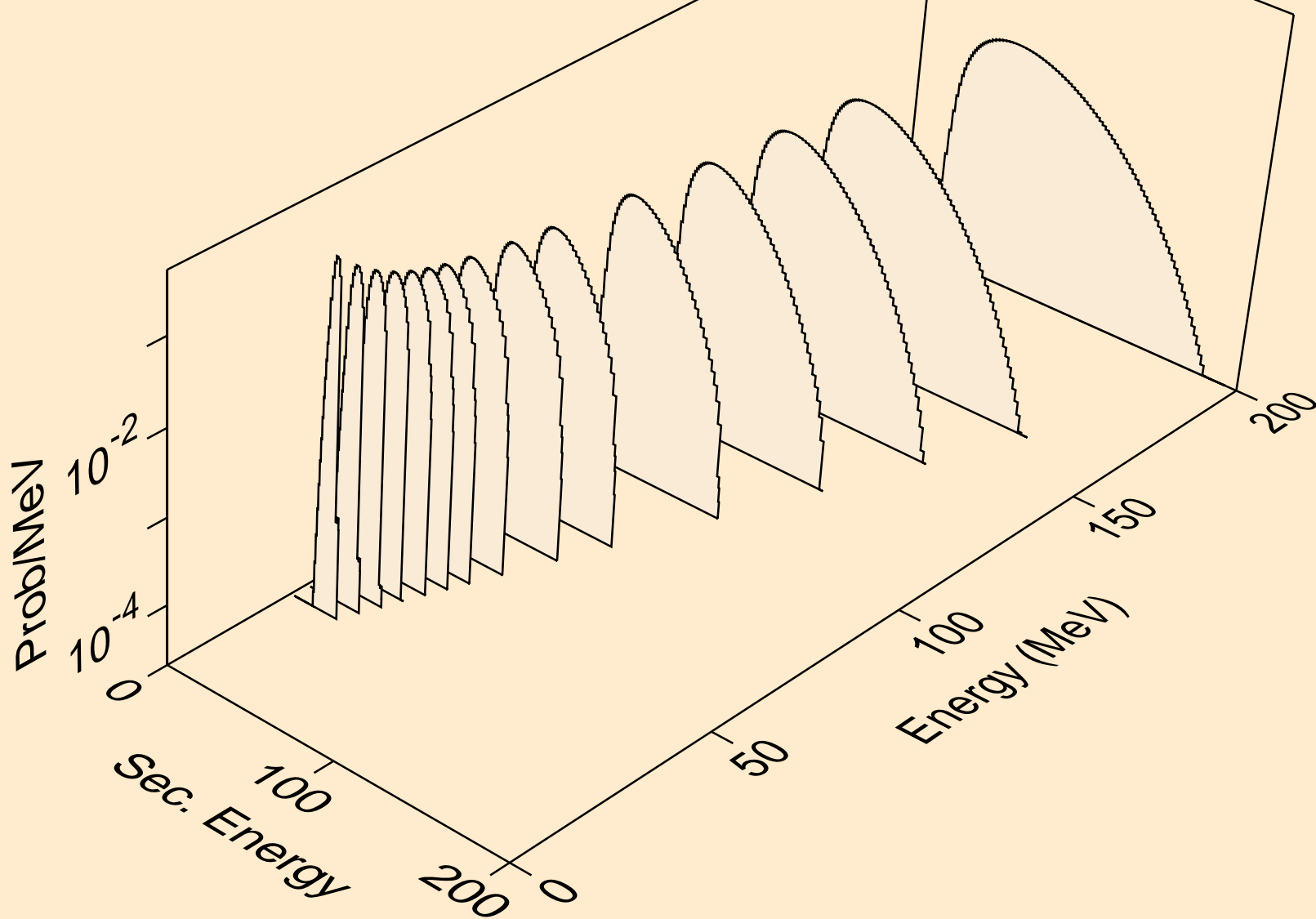
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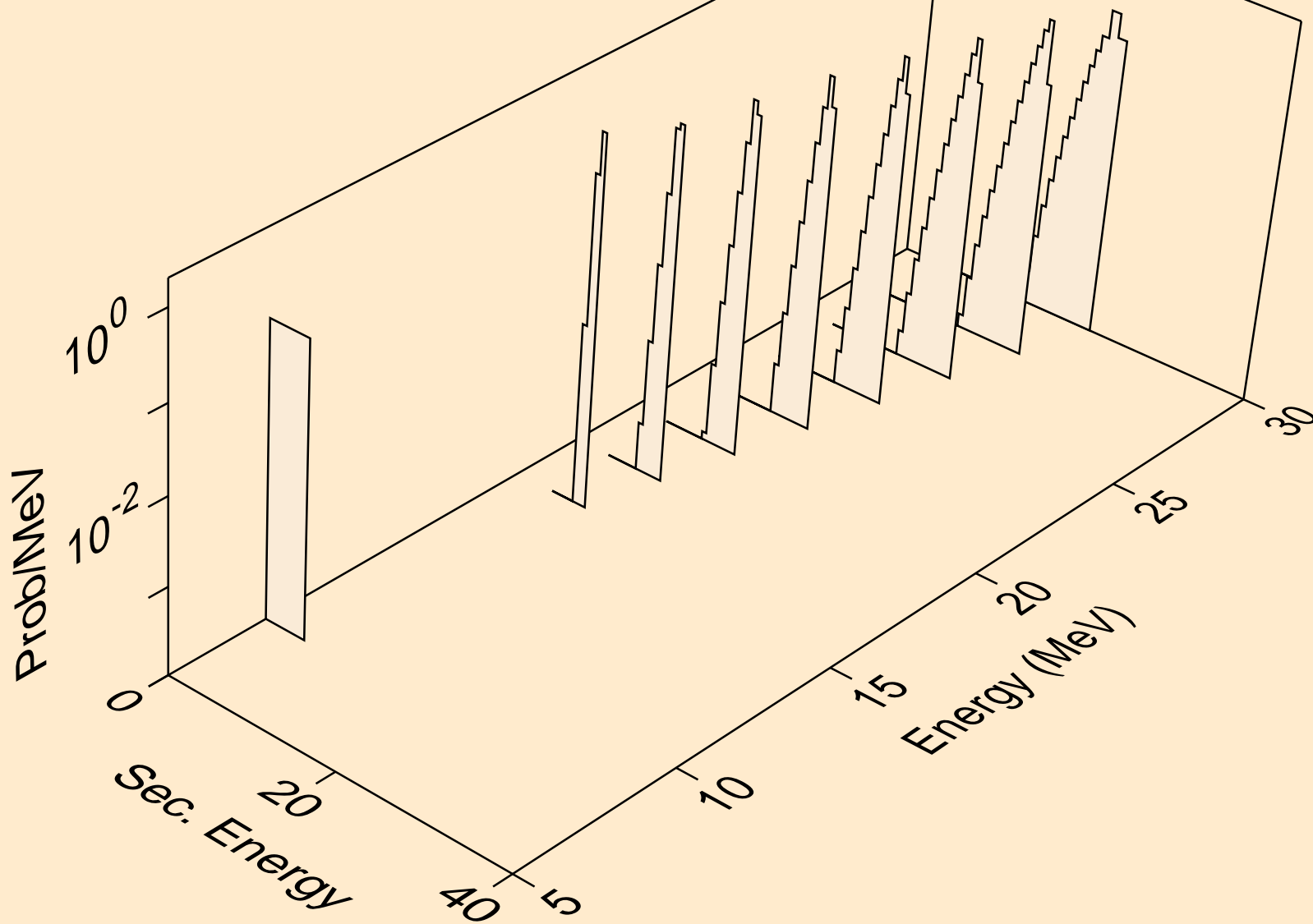
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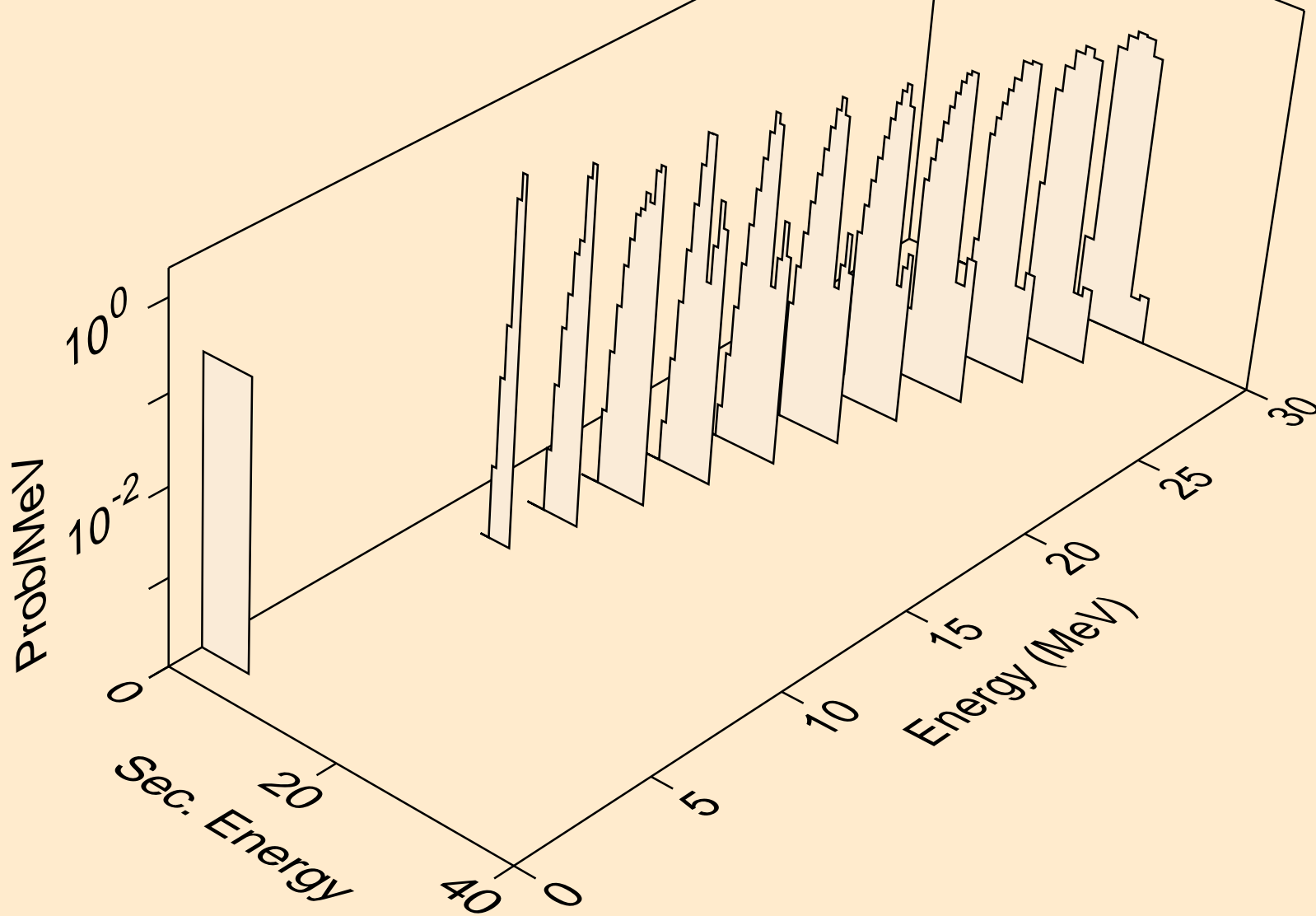
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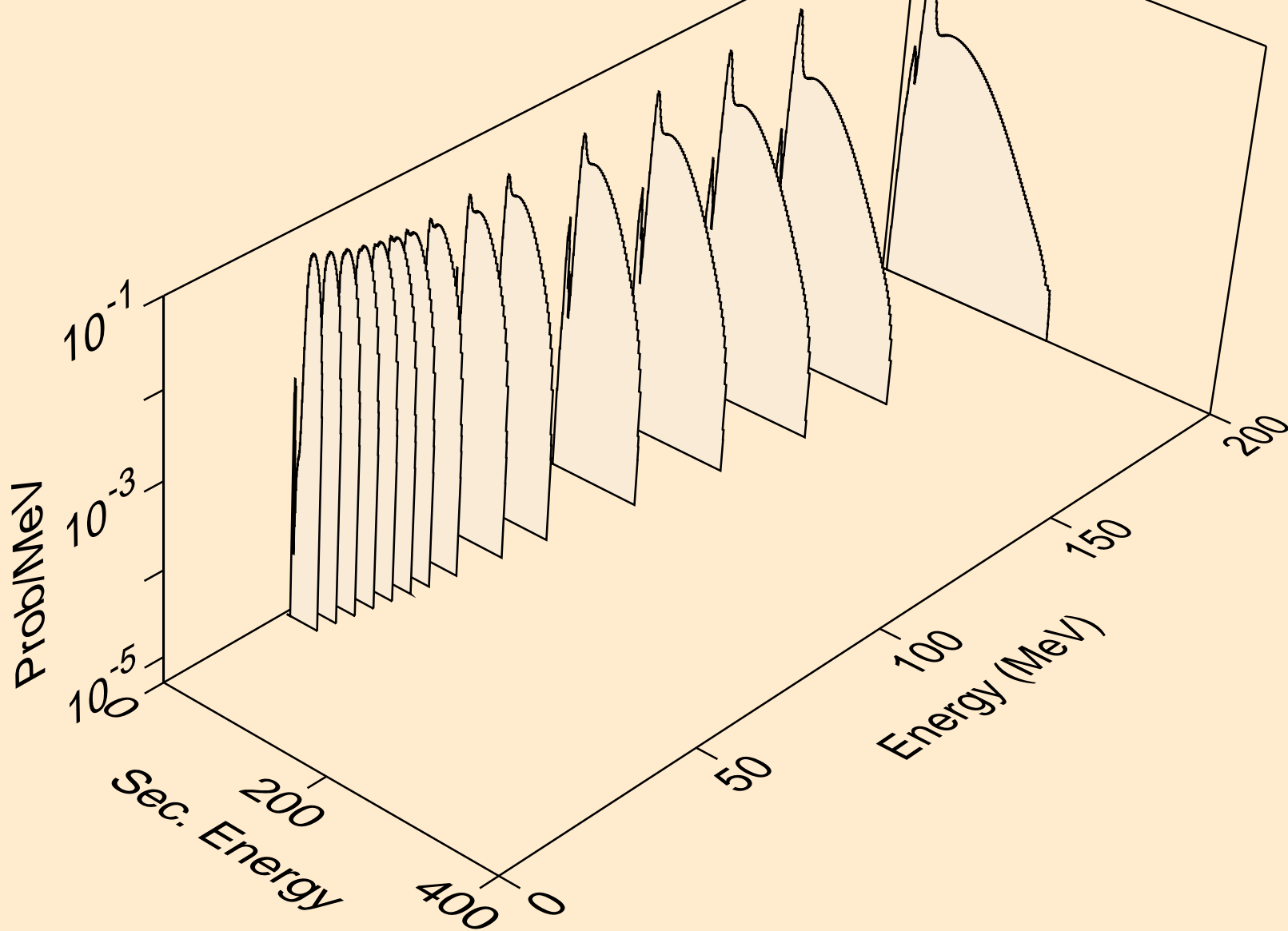
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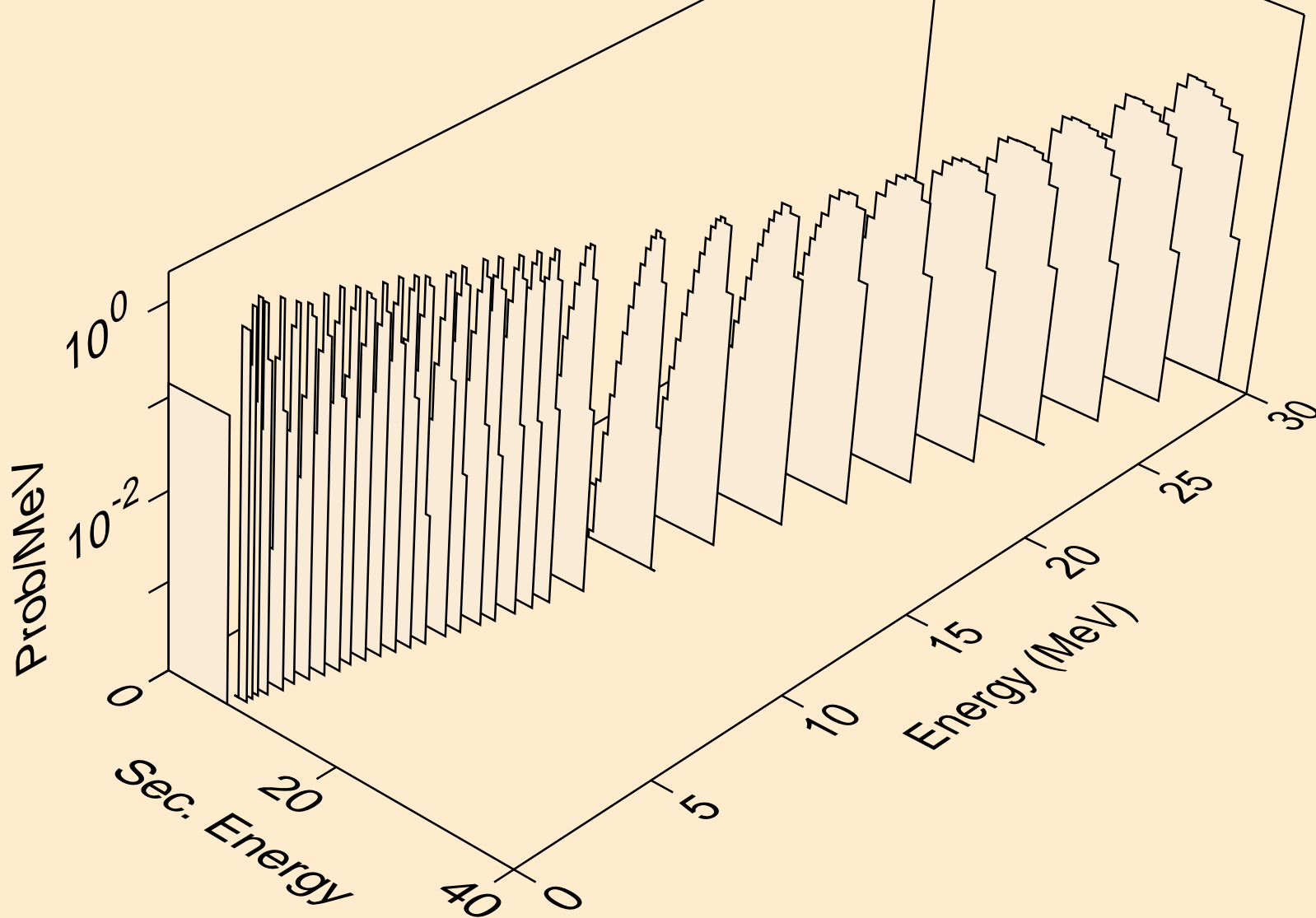
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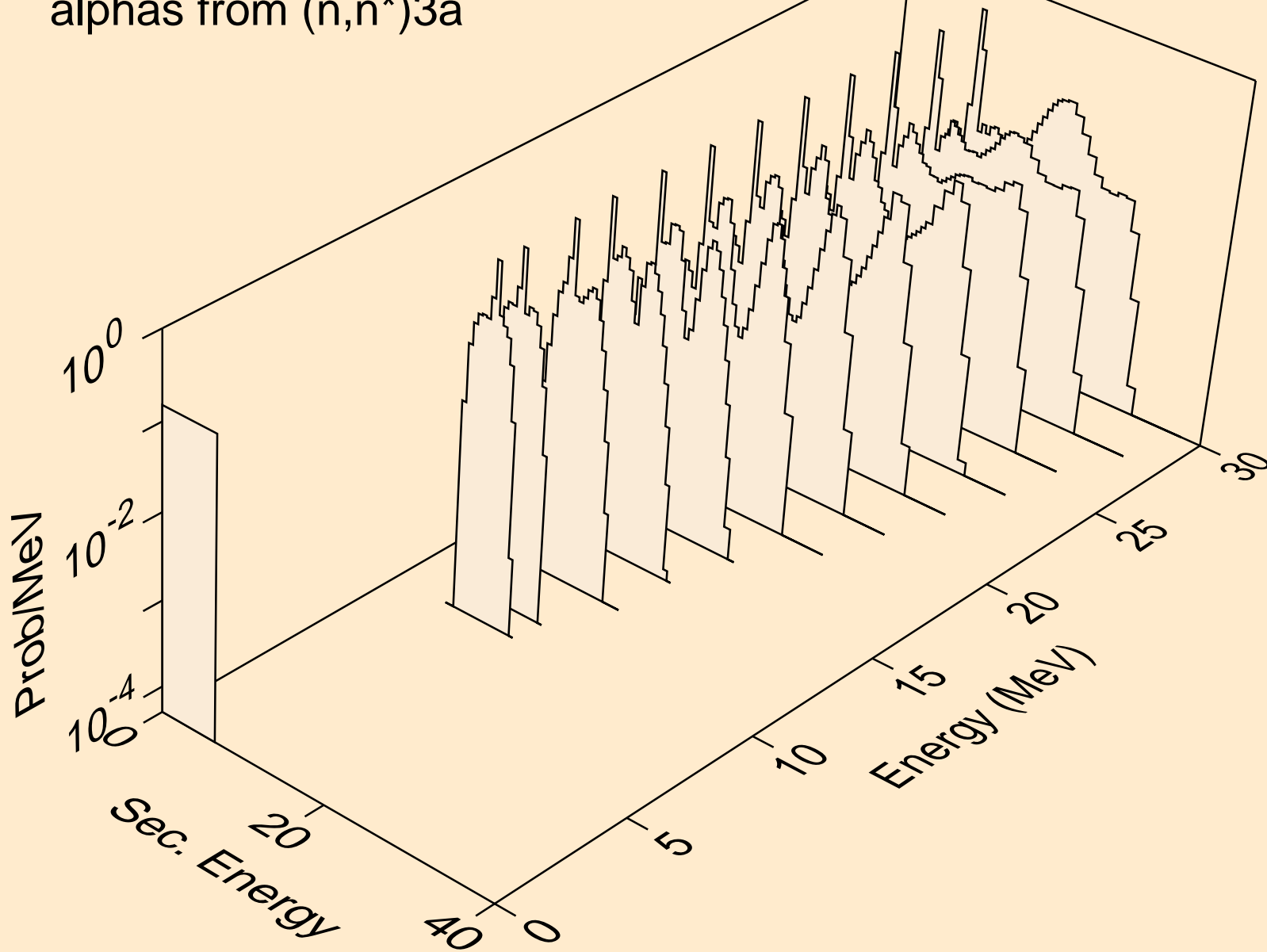
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alphas from (n,x)



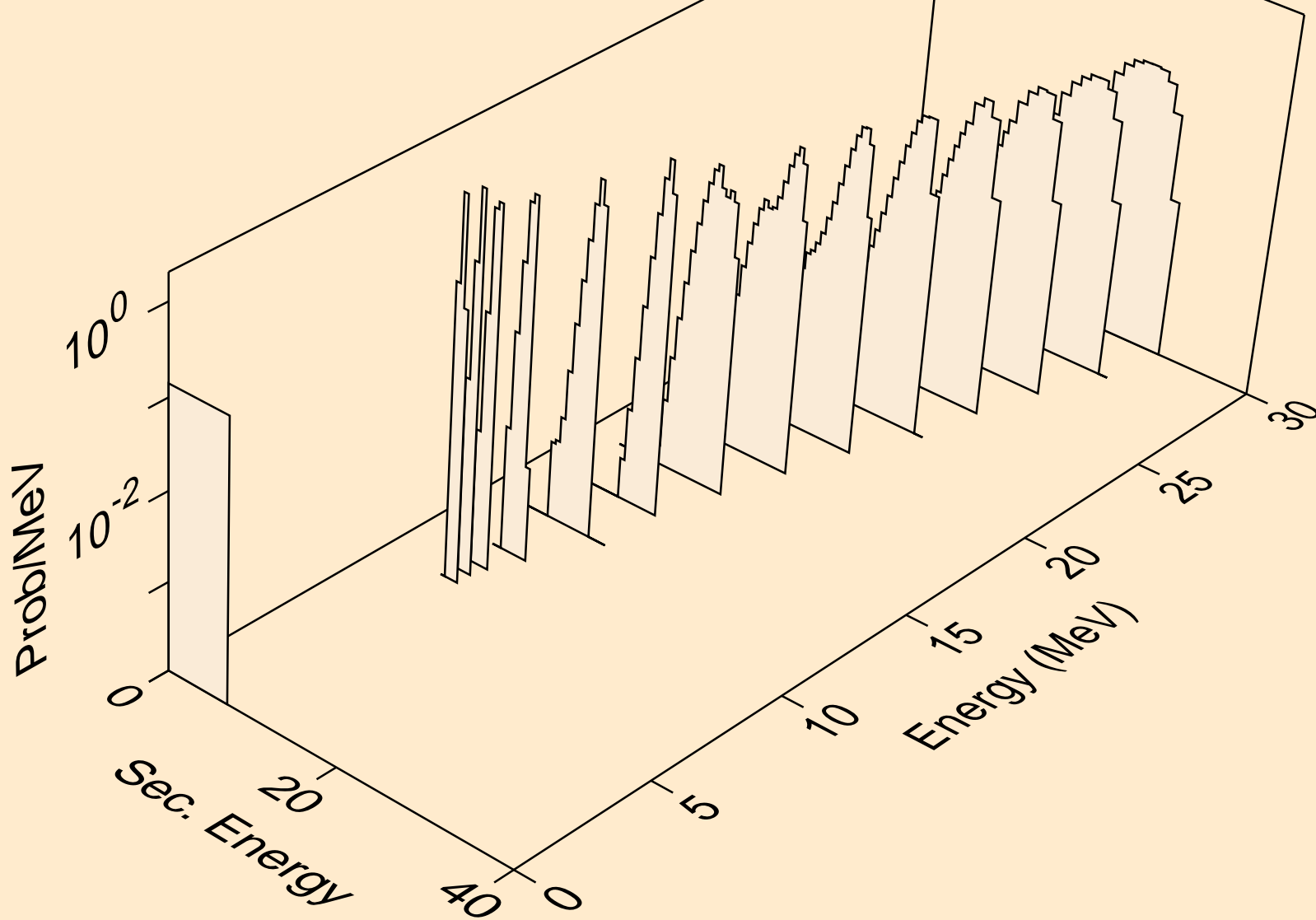
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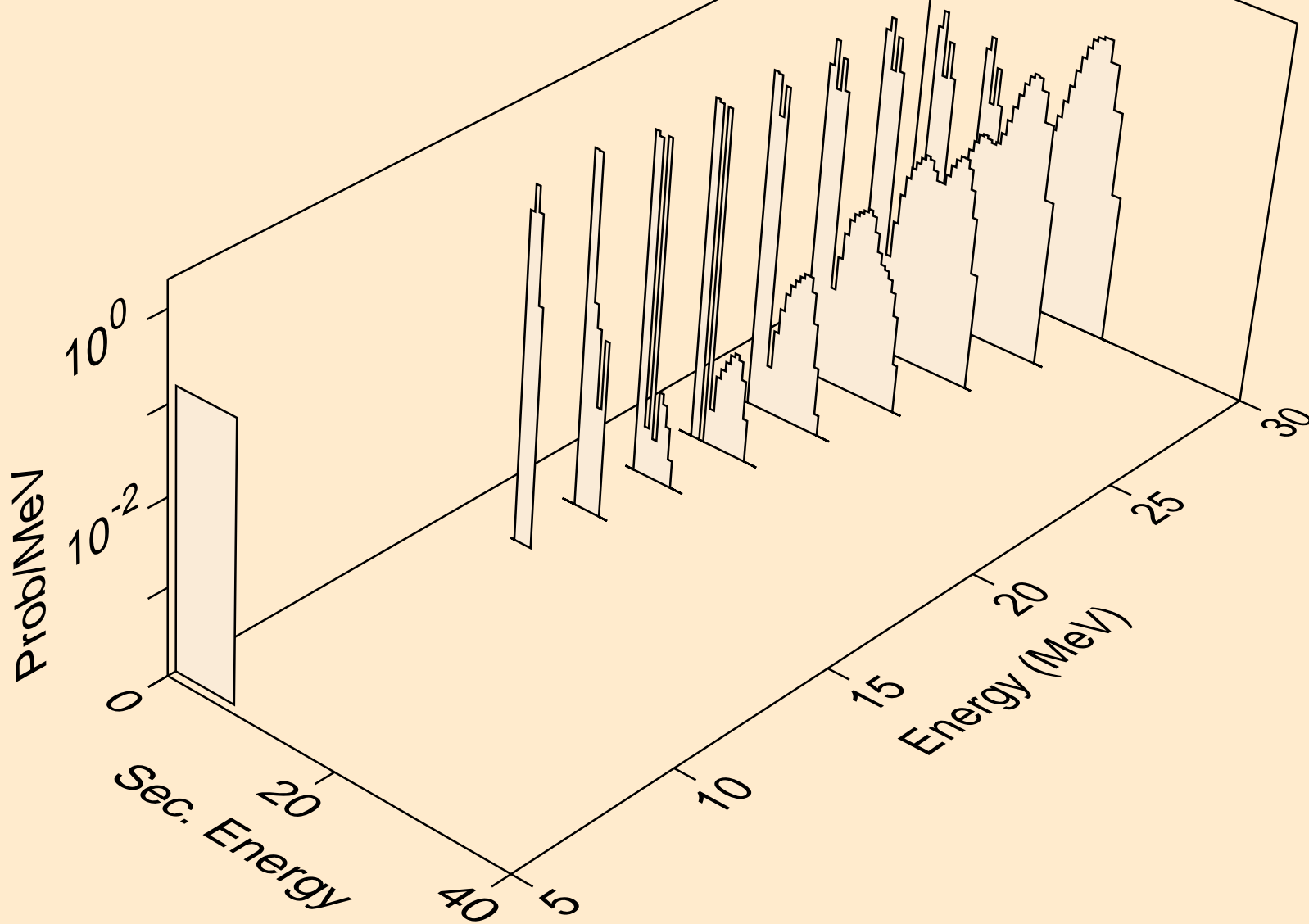
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alphas from (n,n\*)3a



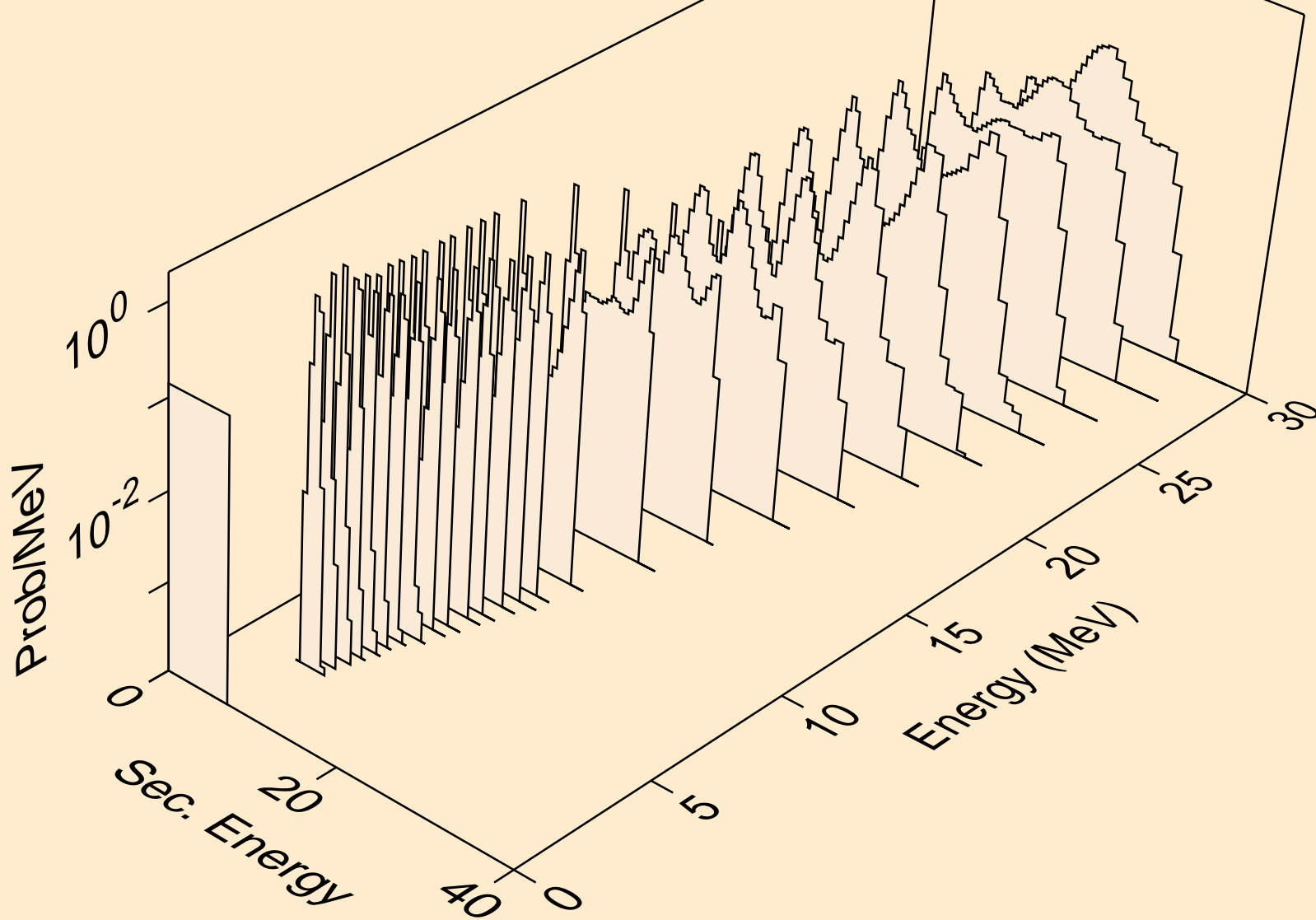
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alphas from (n,2n)a



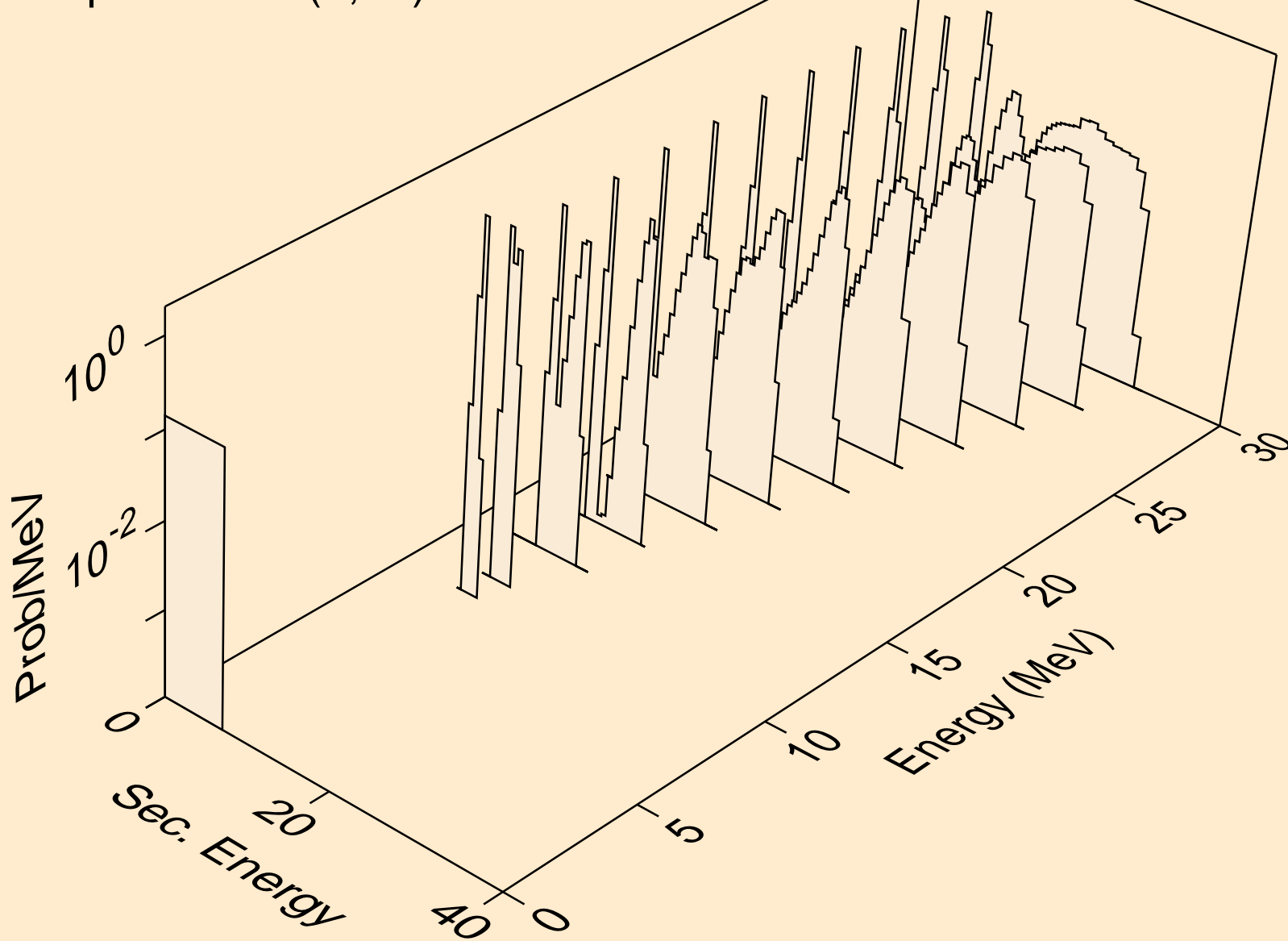
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alphas from (n,3n)a



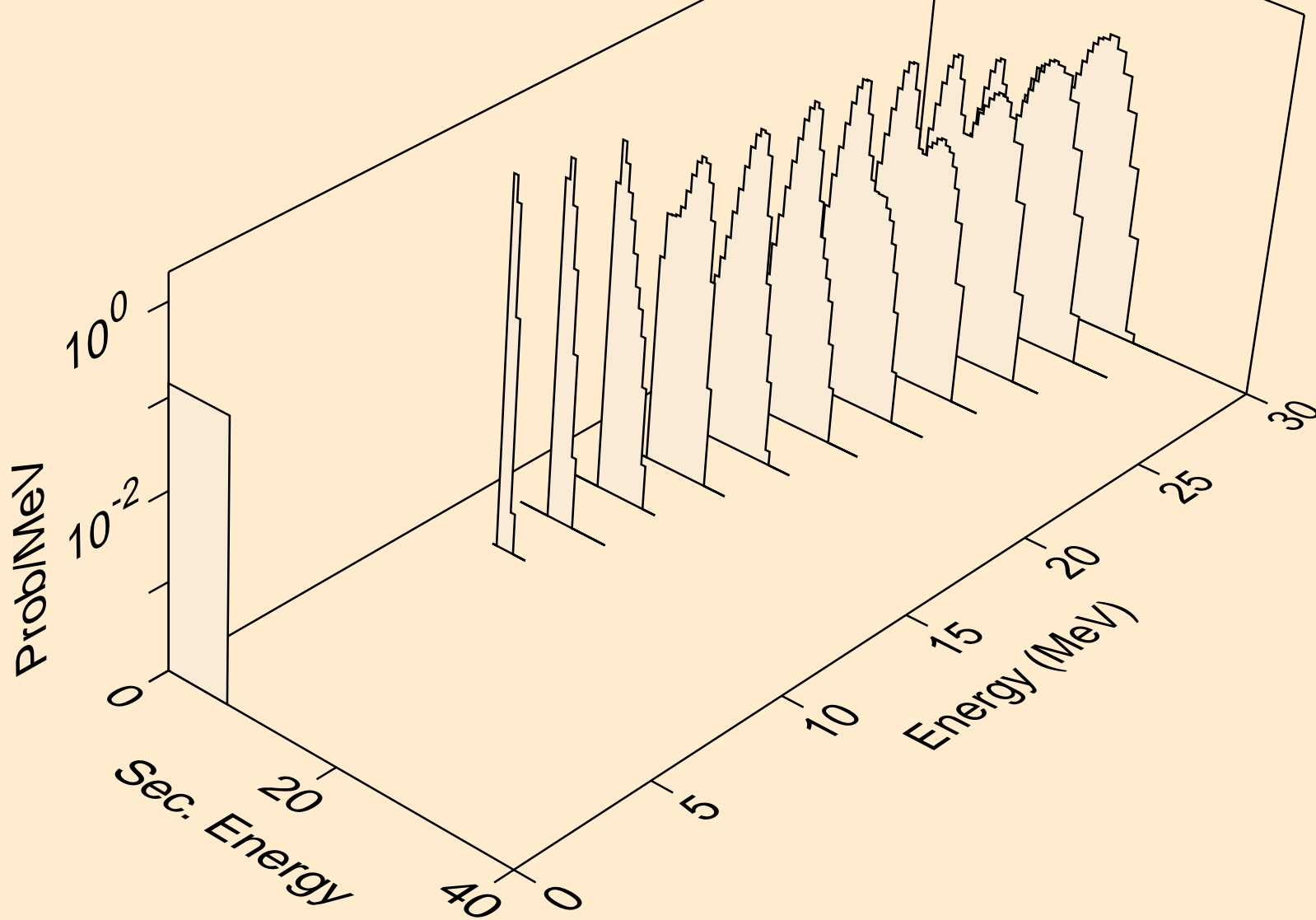
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alphas from (n,n\*)2a



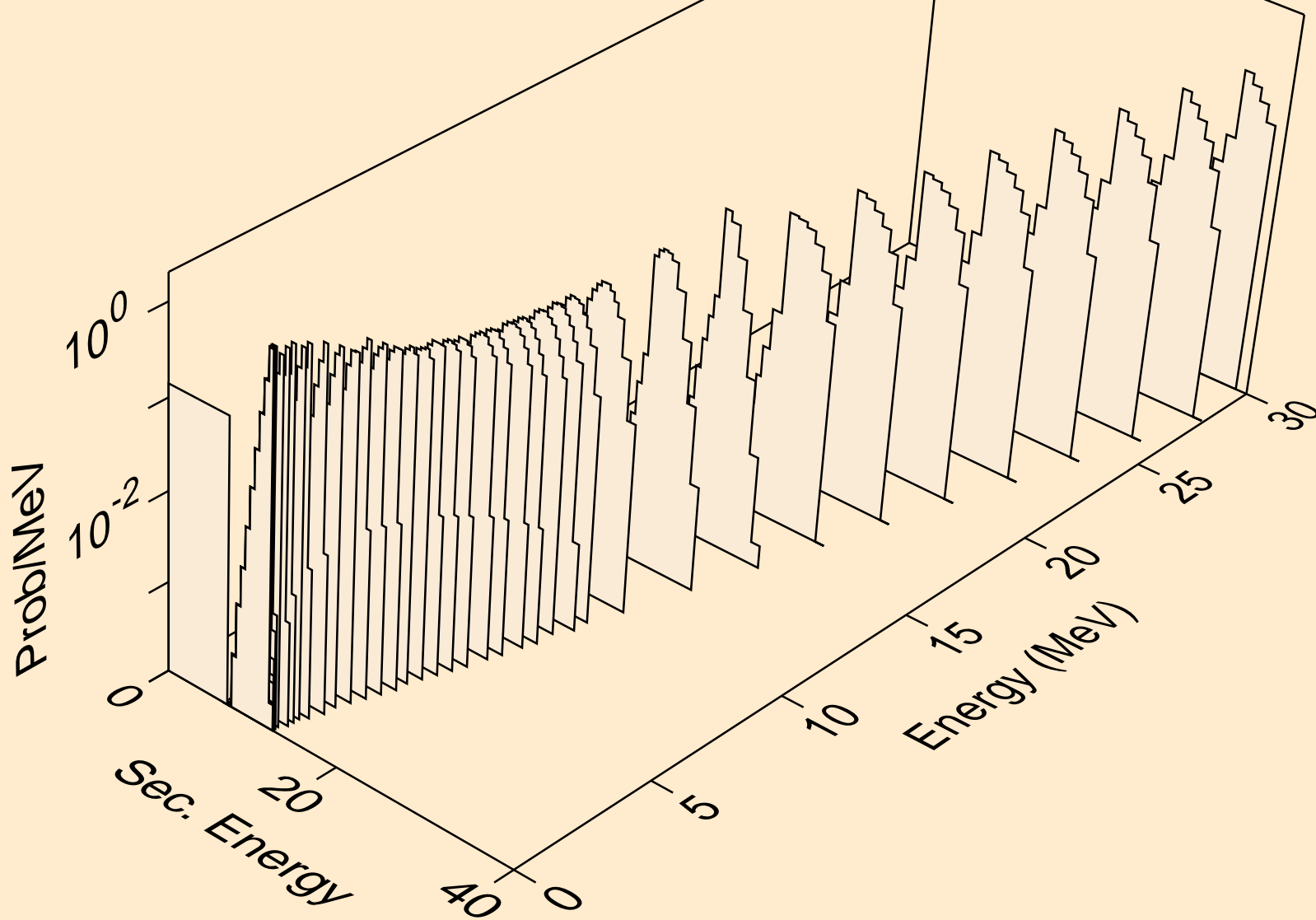
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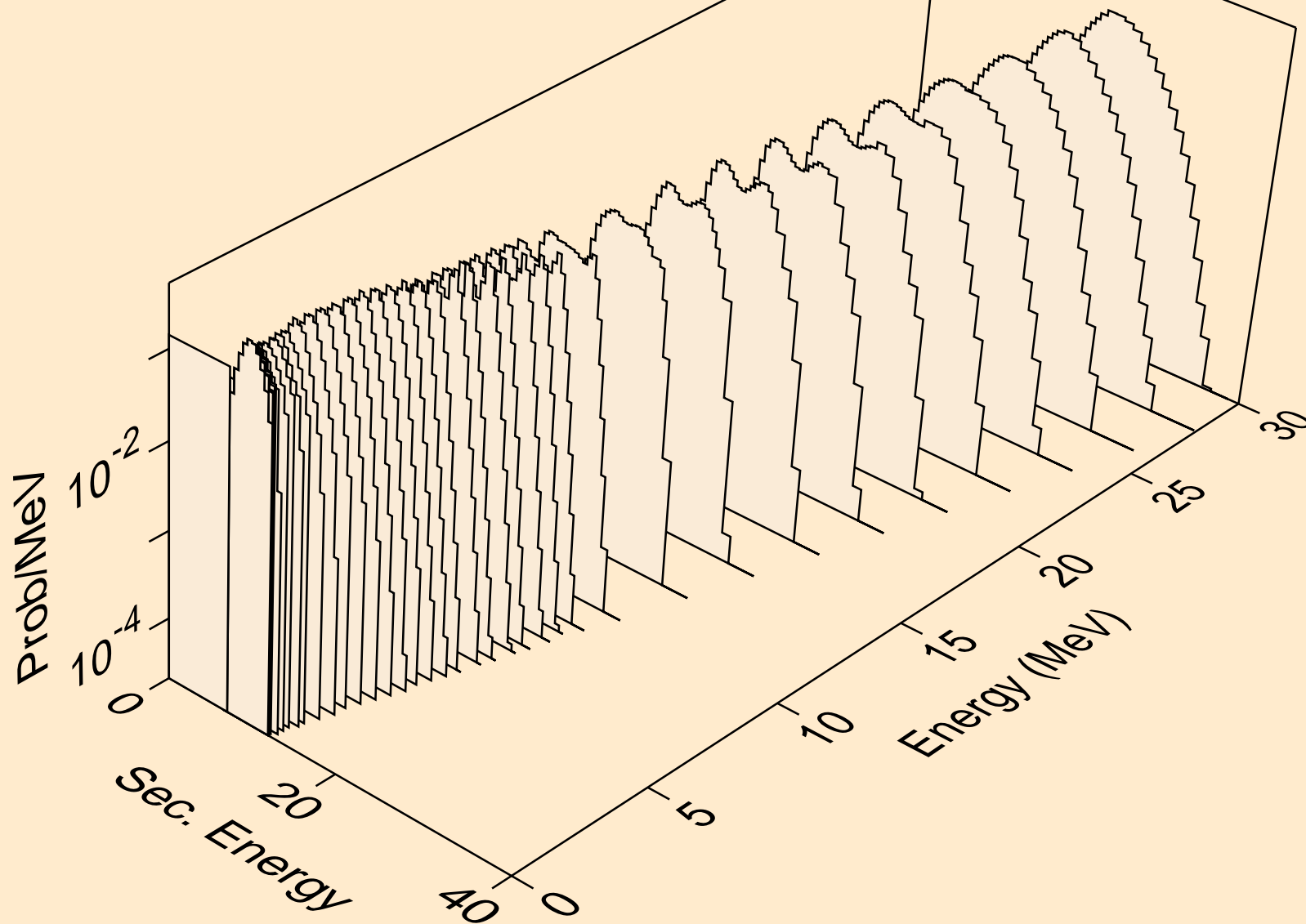
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alphas from (n,npa)



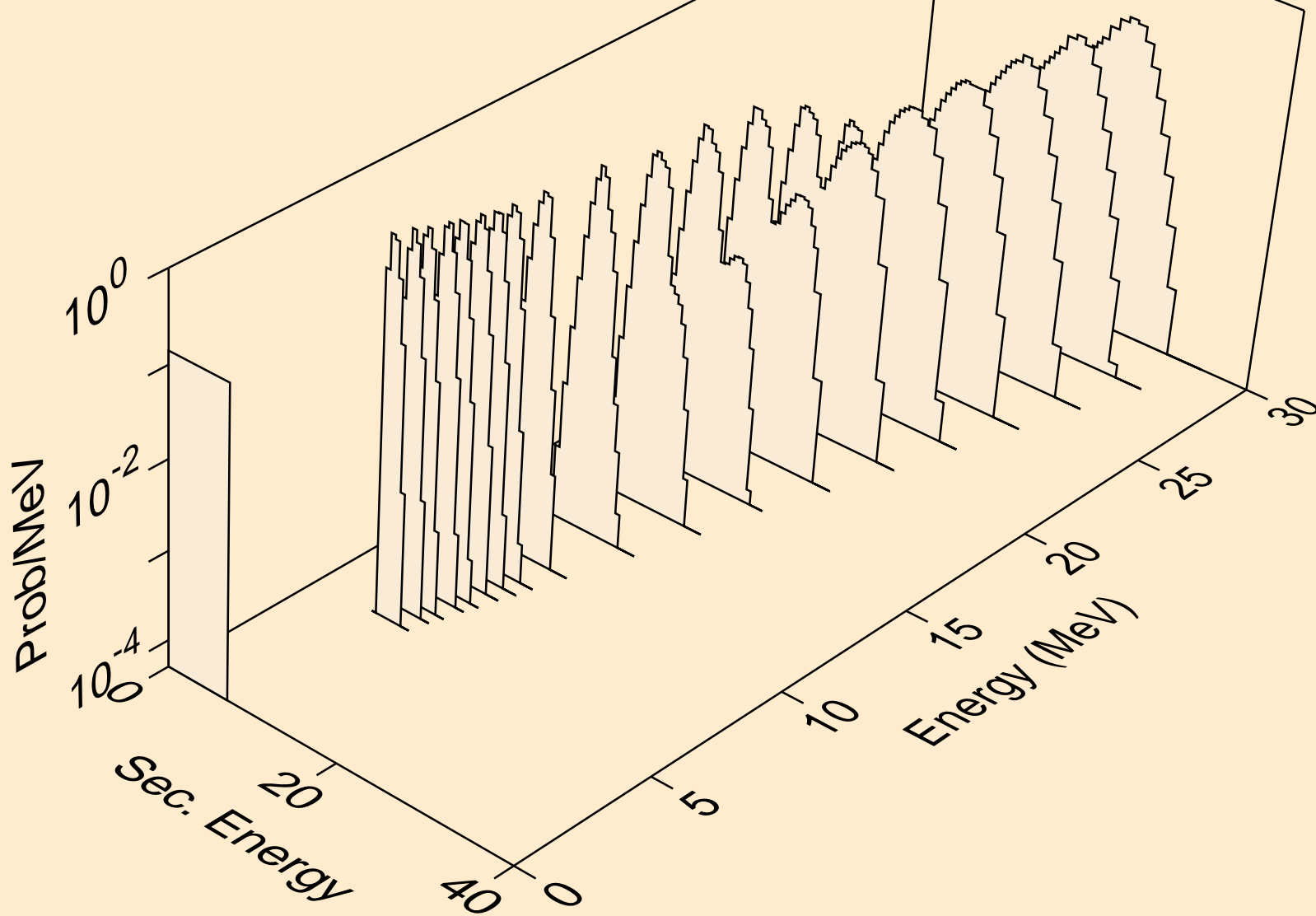
TH224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,a)



TH224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2a)



TH224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,pa)



TH224 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,da)

