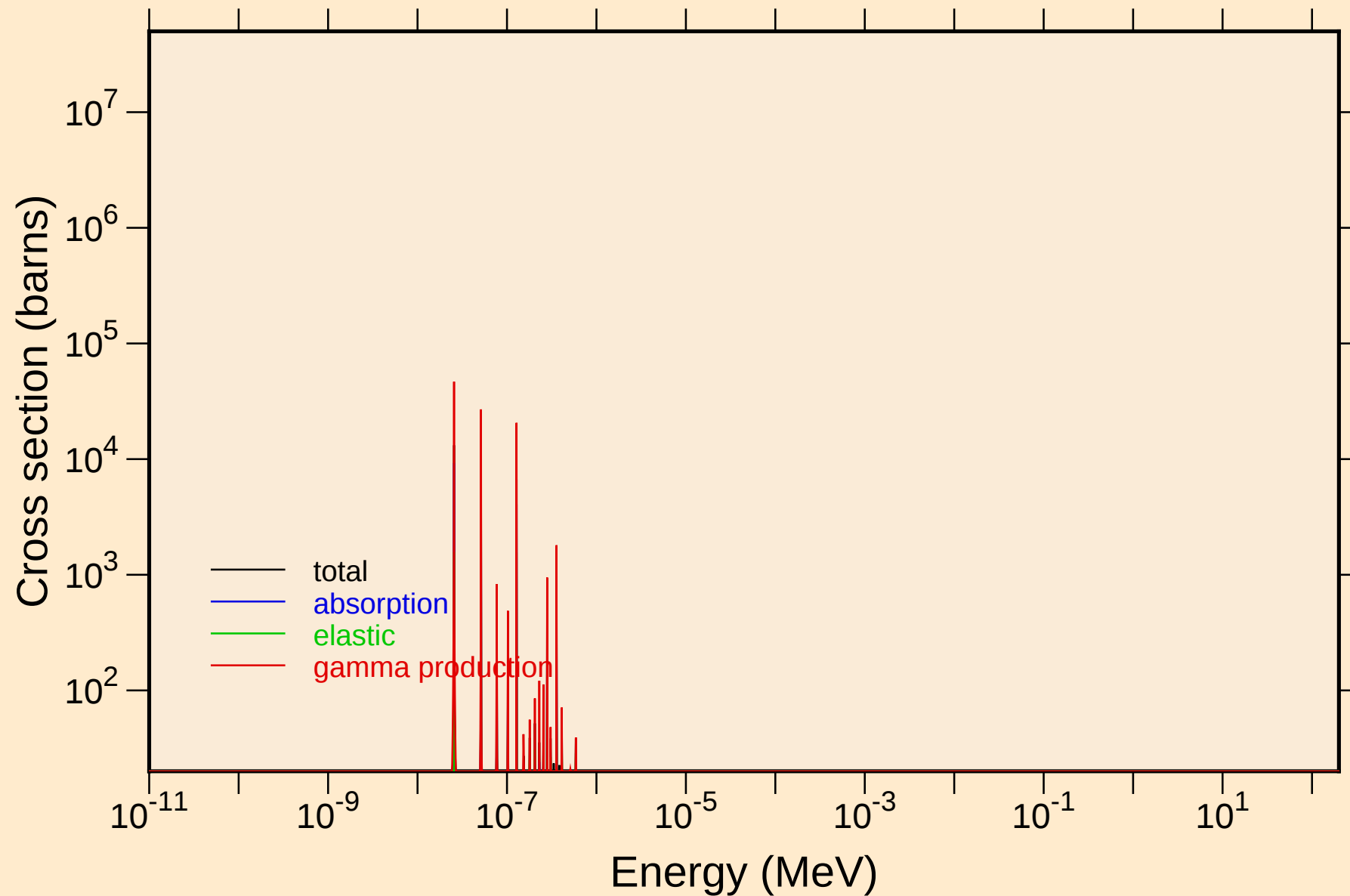
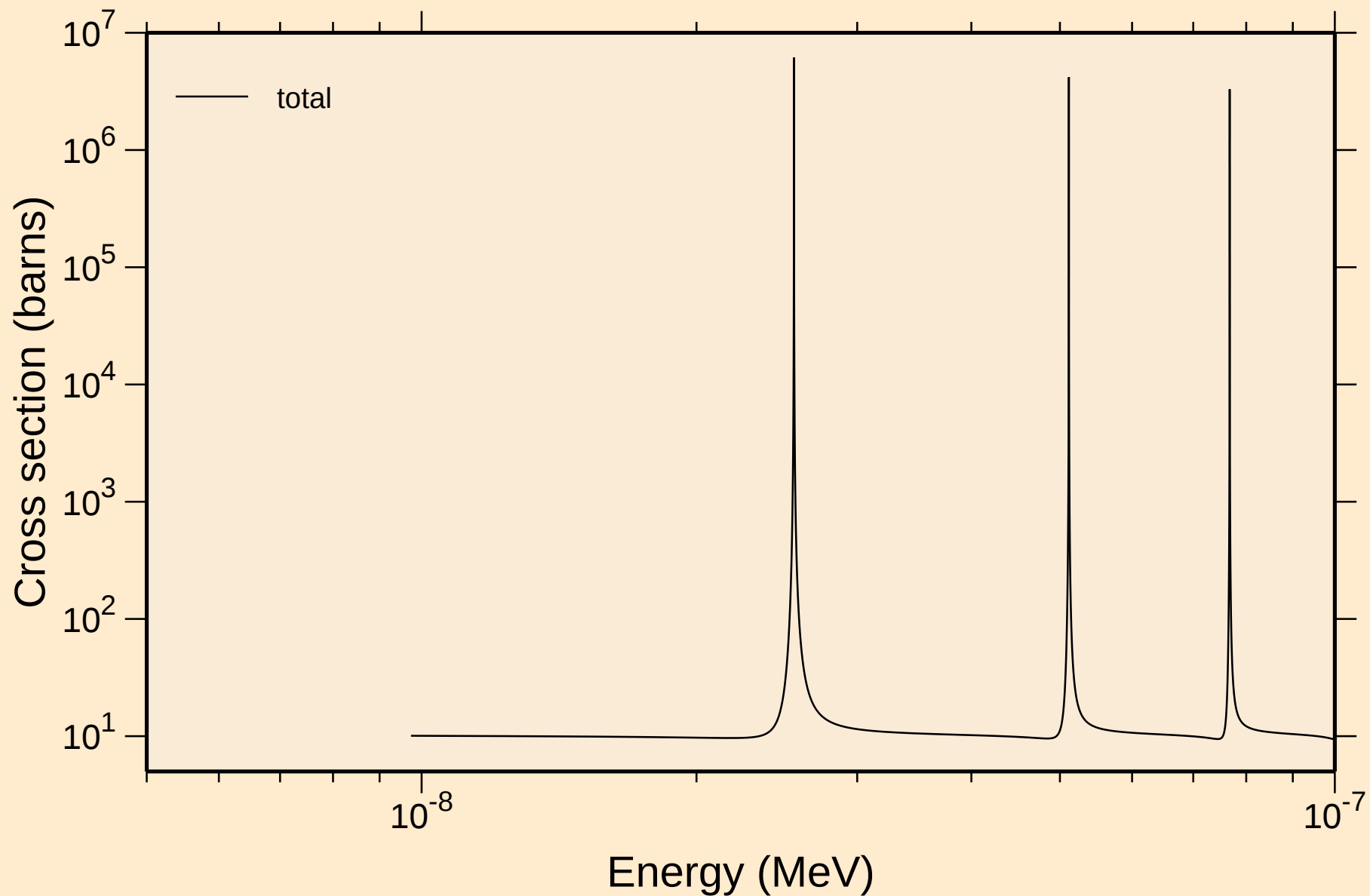


# MD249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

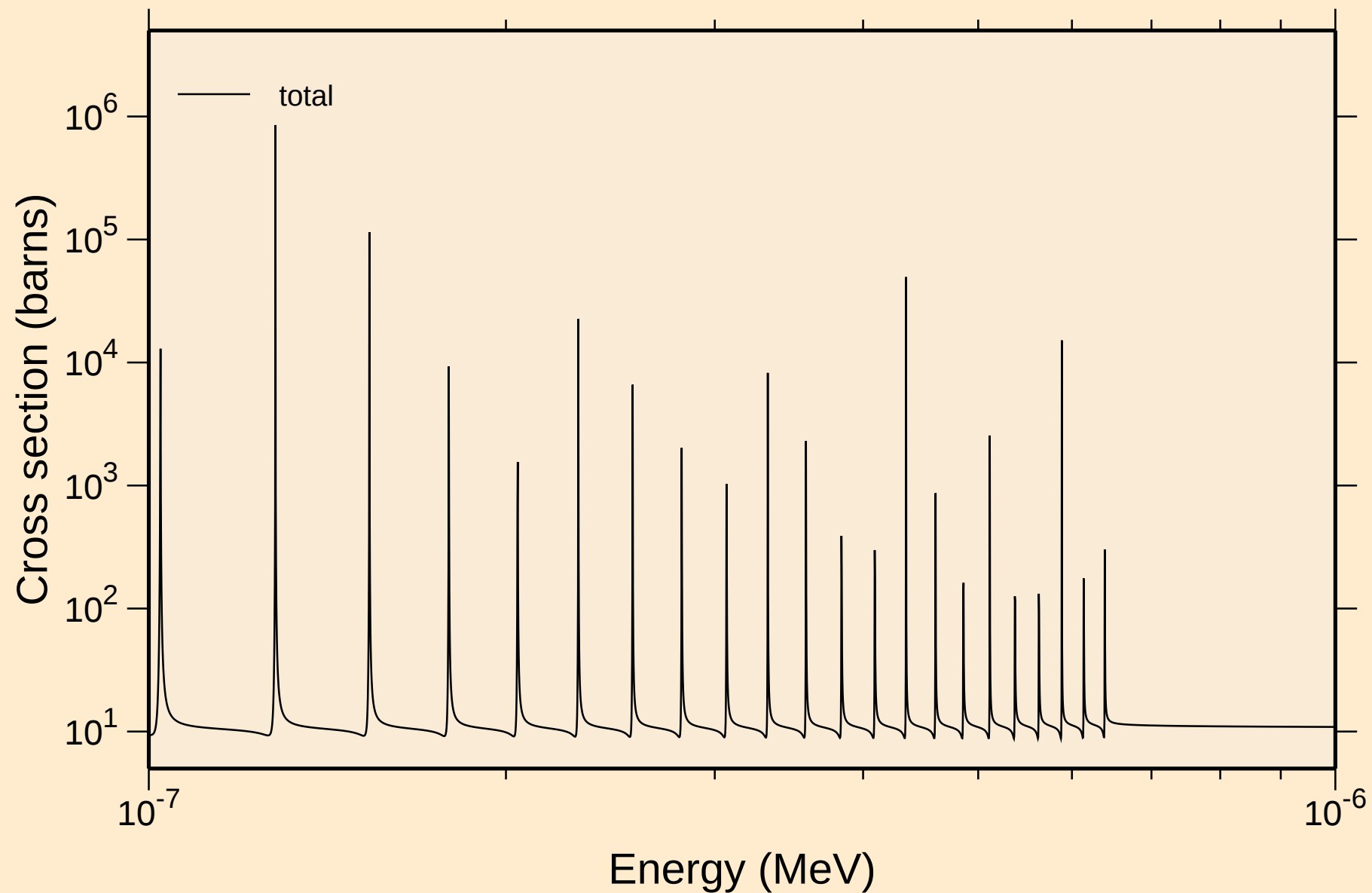
## Principal cross sections



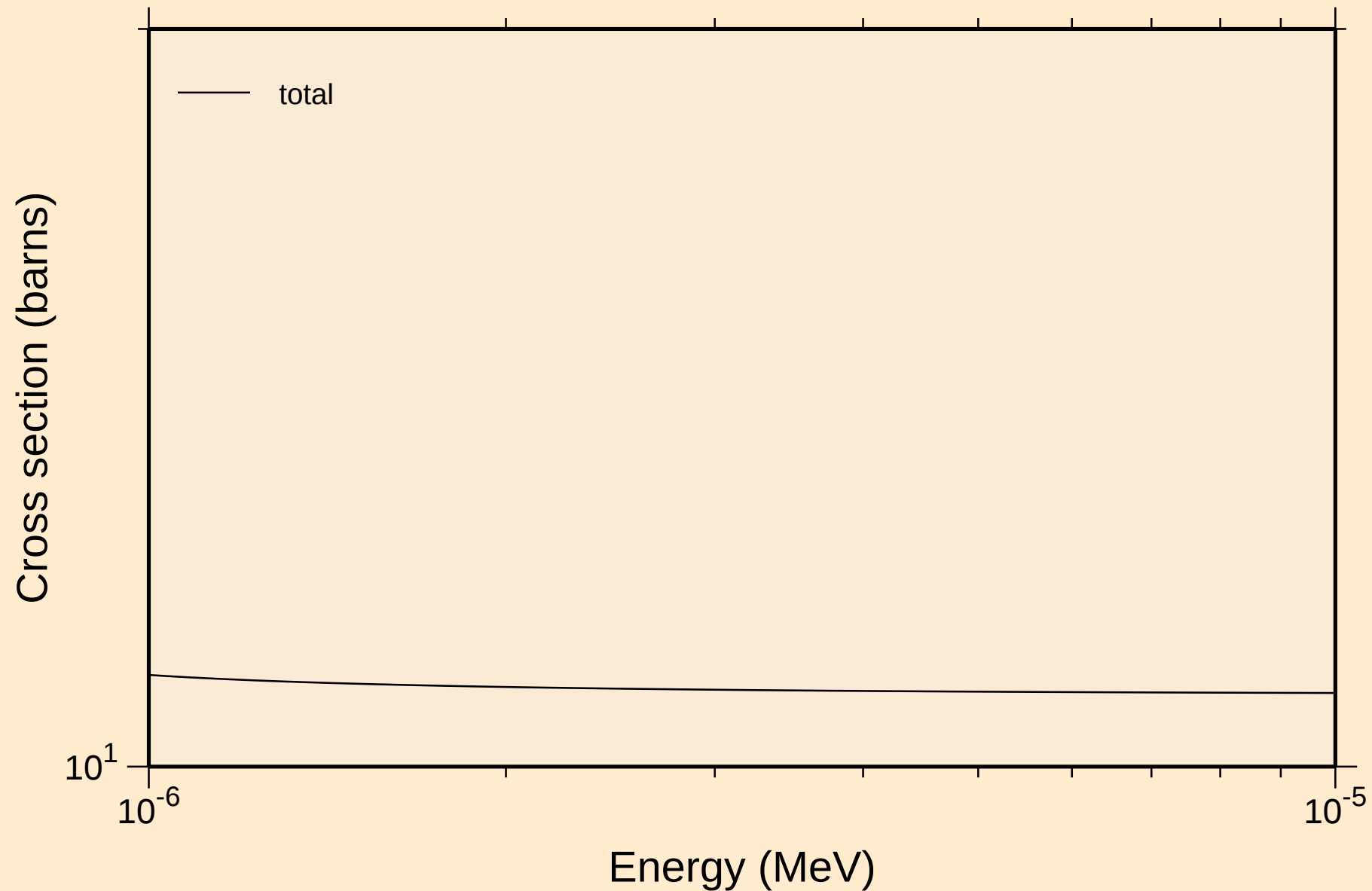
MD249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



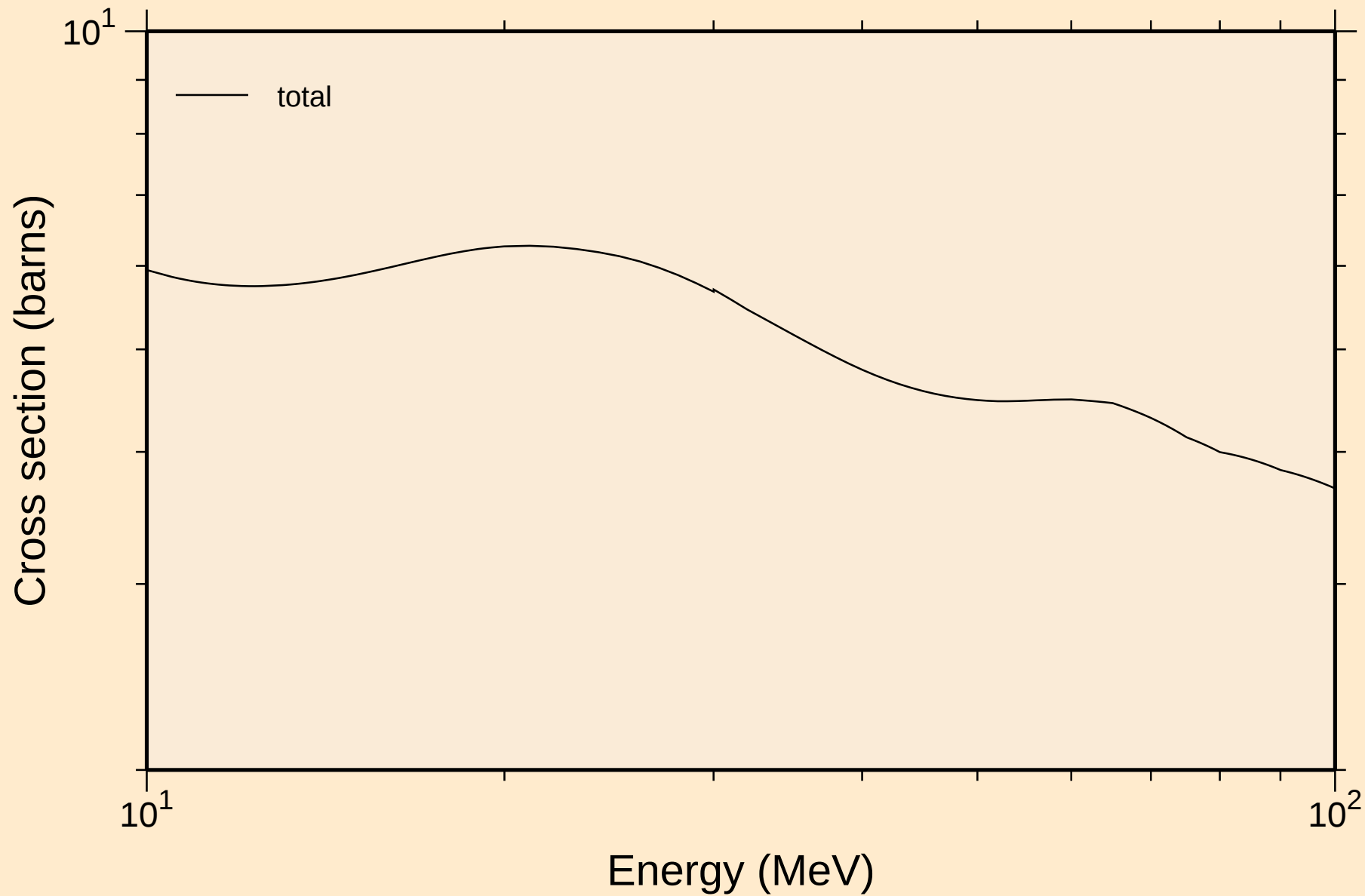
MD249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



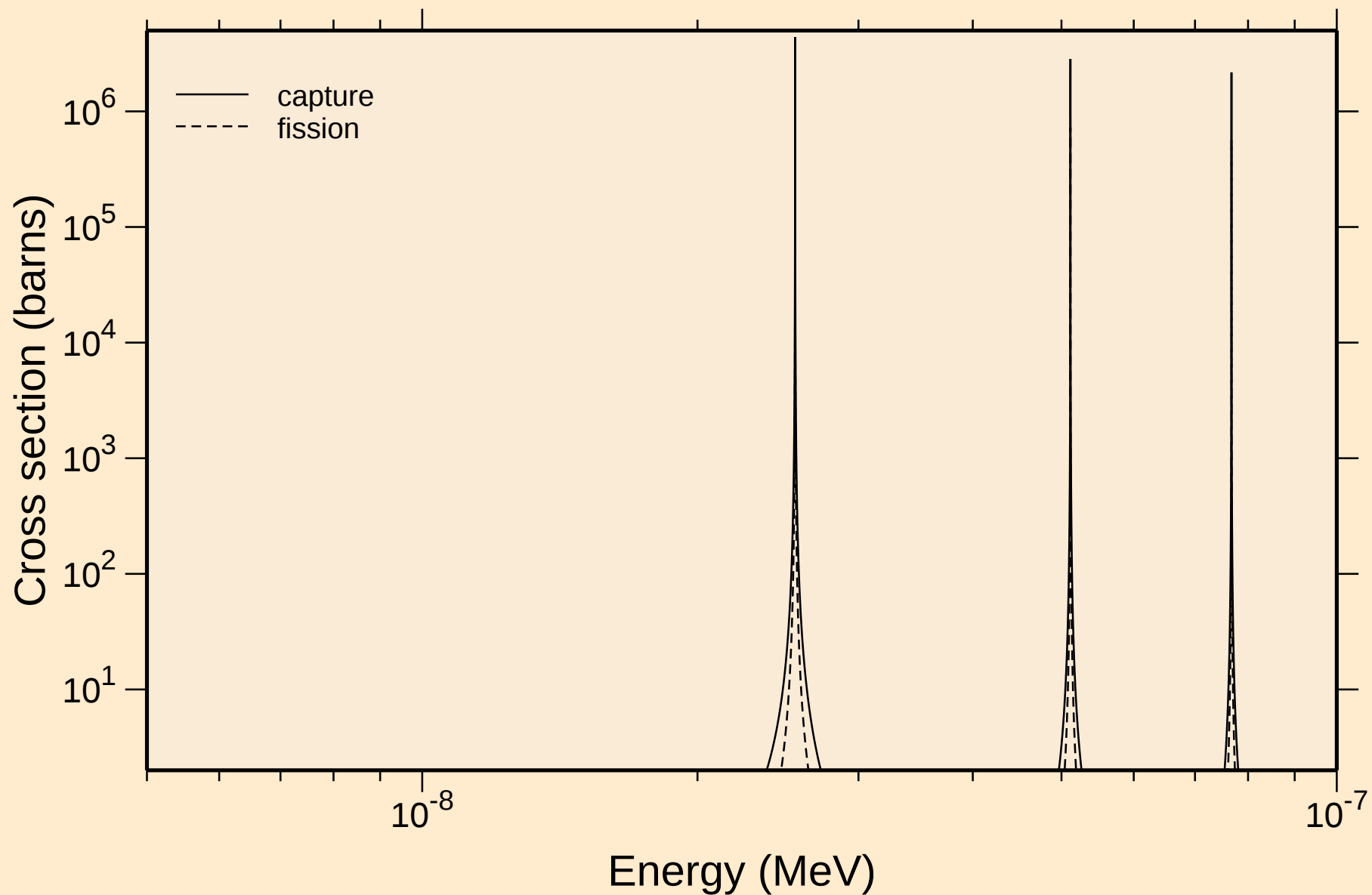
MD249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



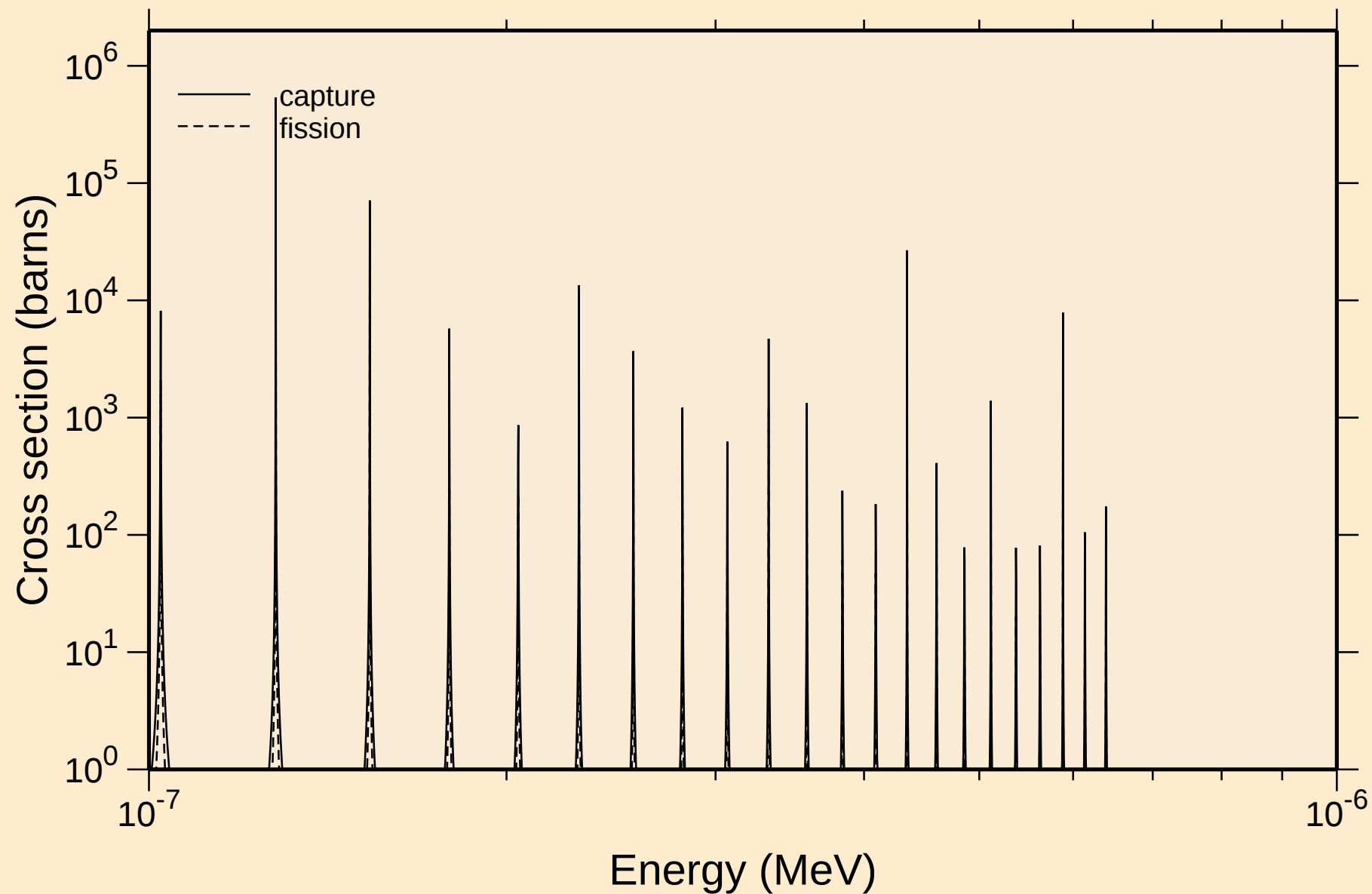
MD249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



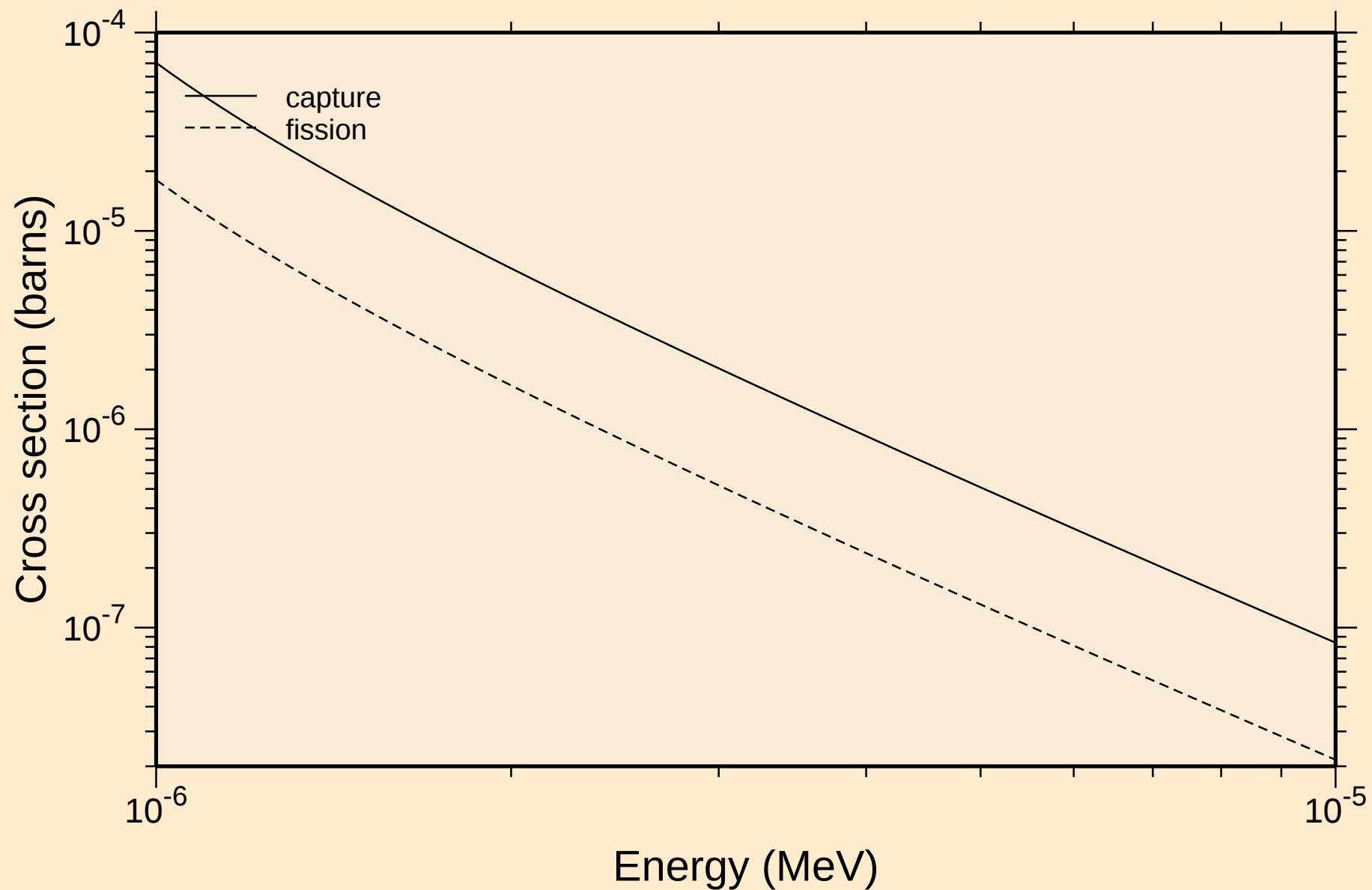
MD249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



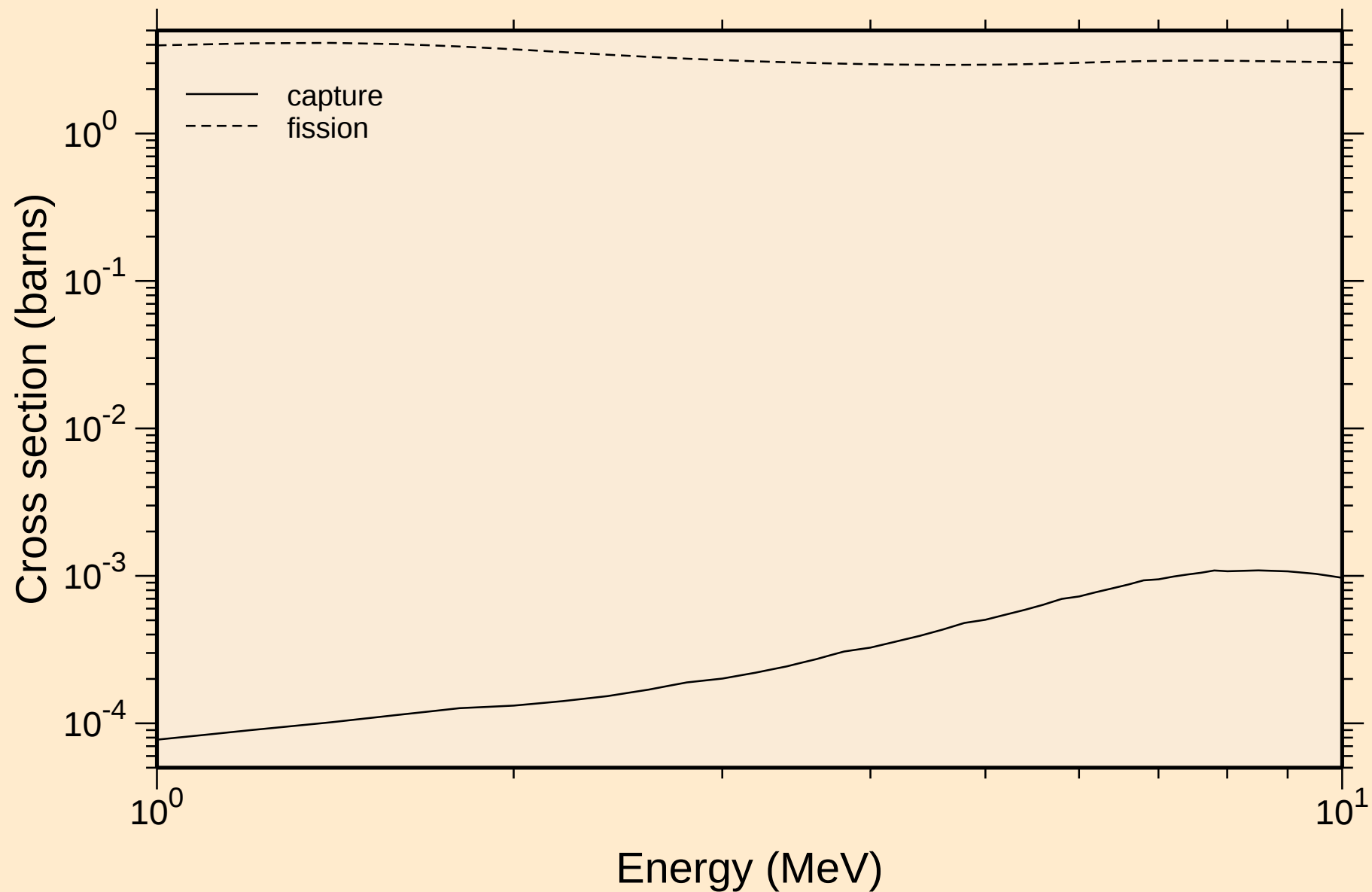
MD249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



MD249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

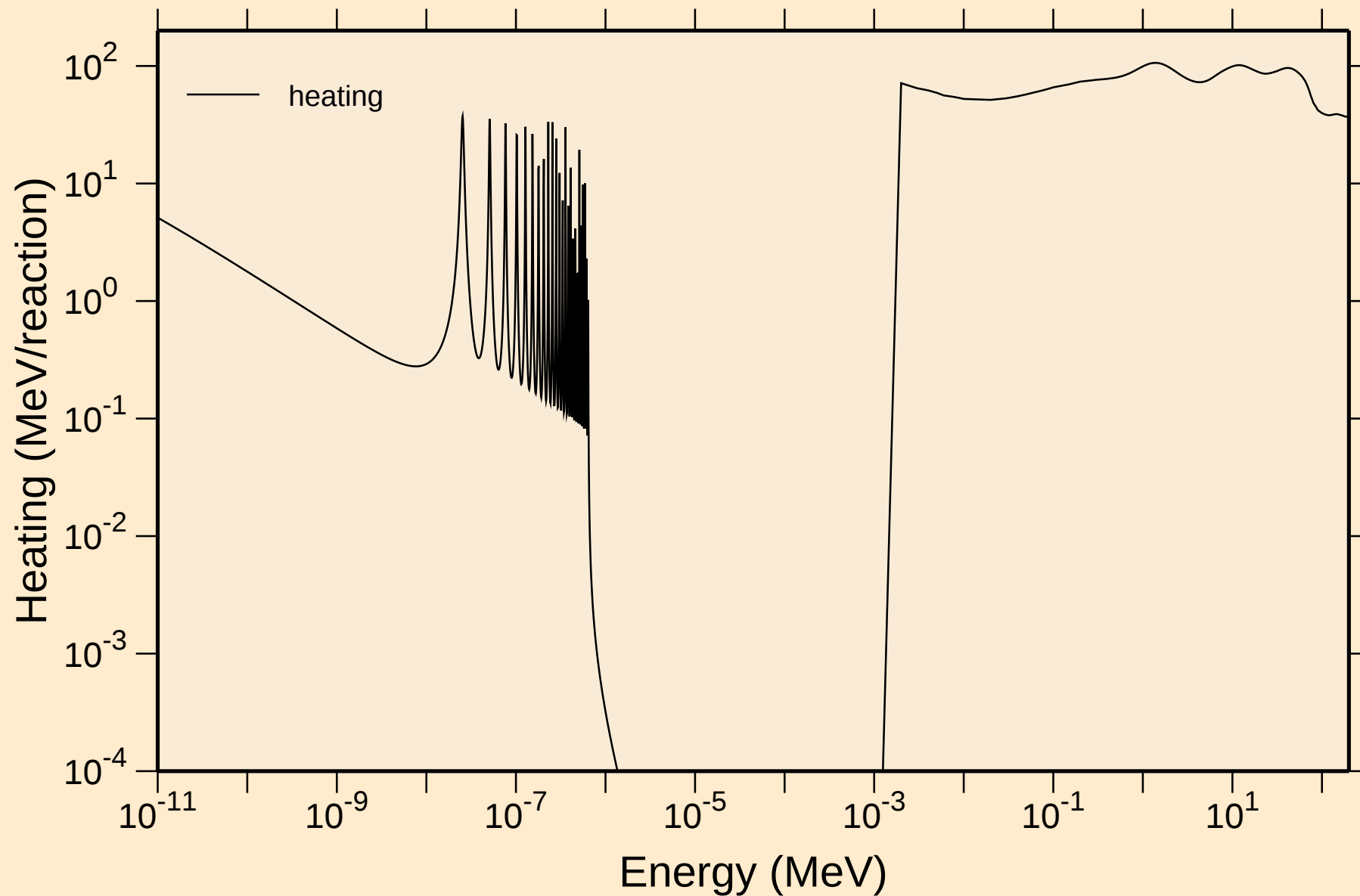


MD249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



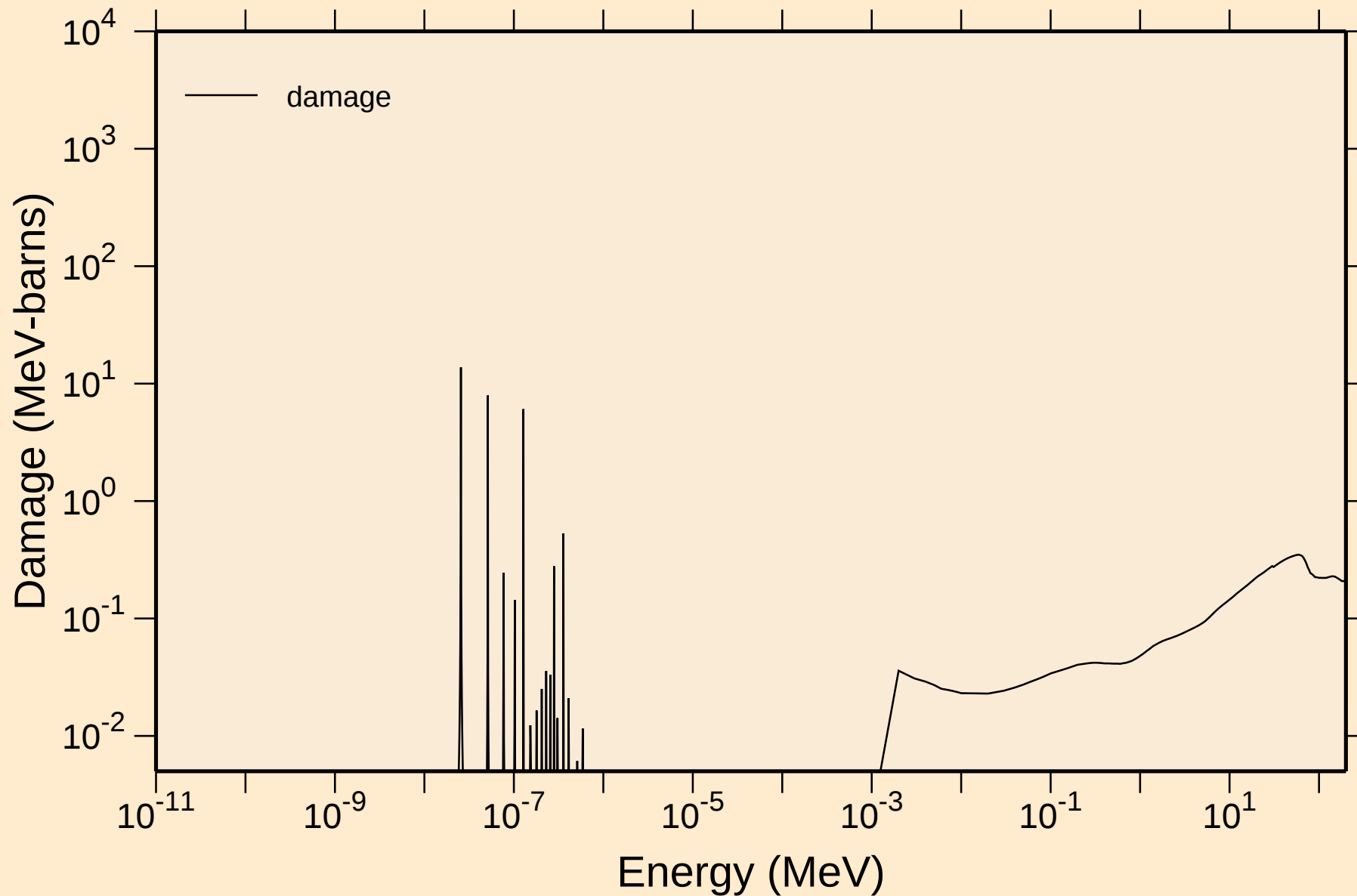
# MD249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Heating

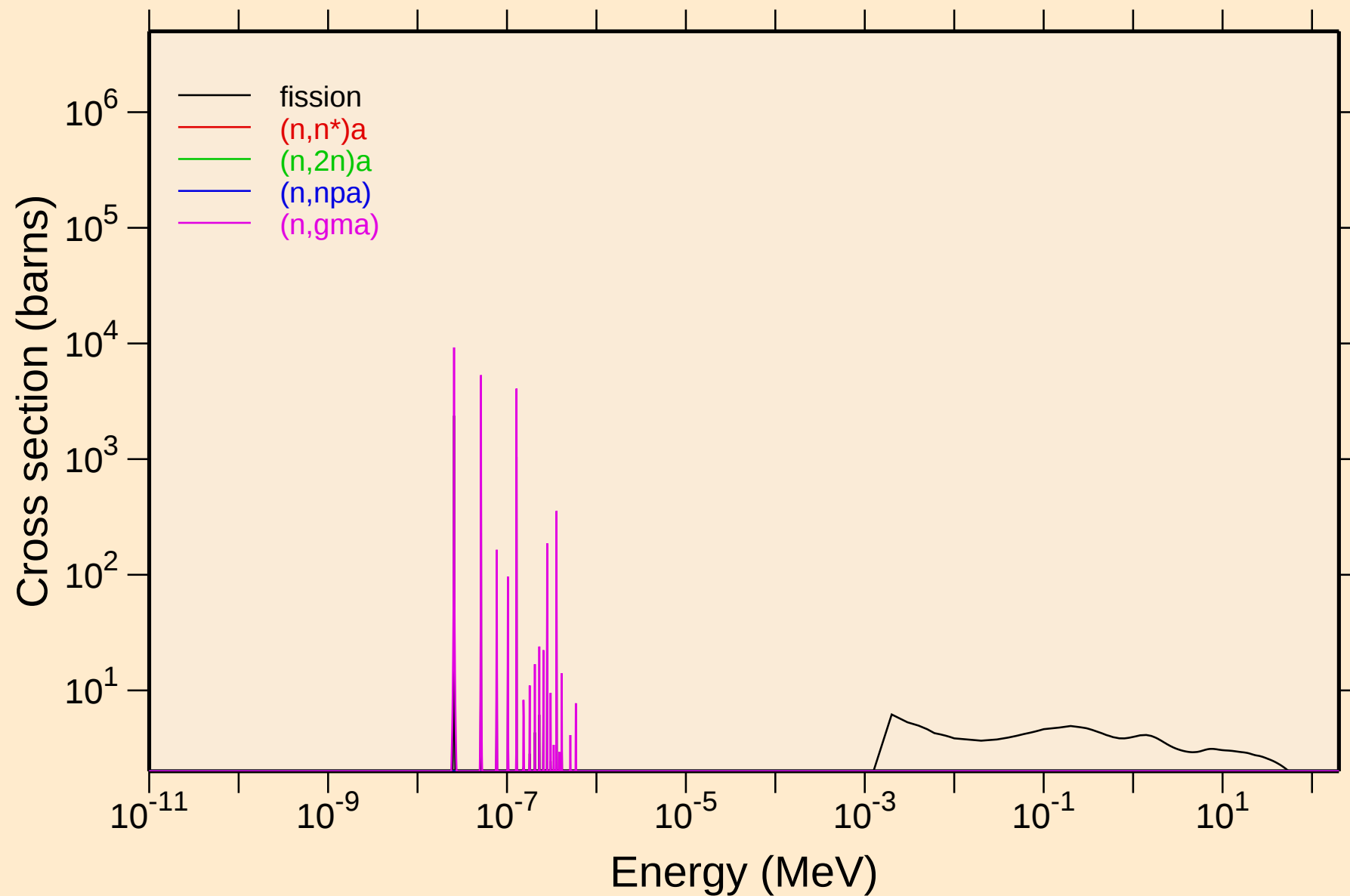


# MD249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

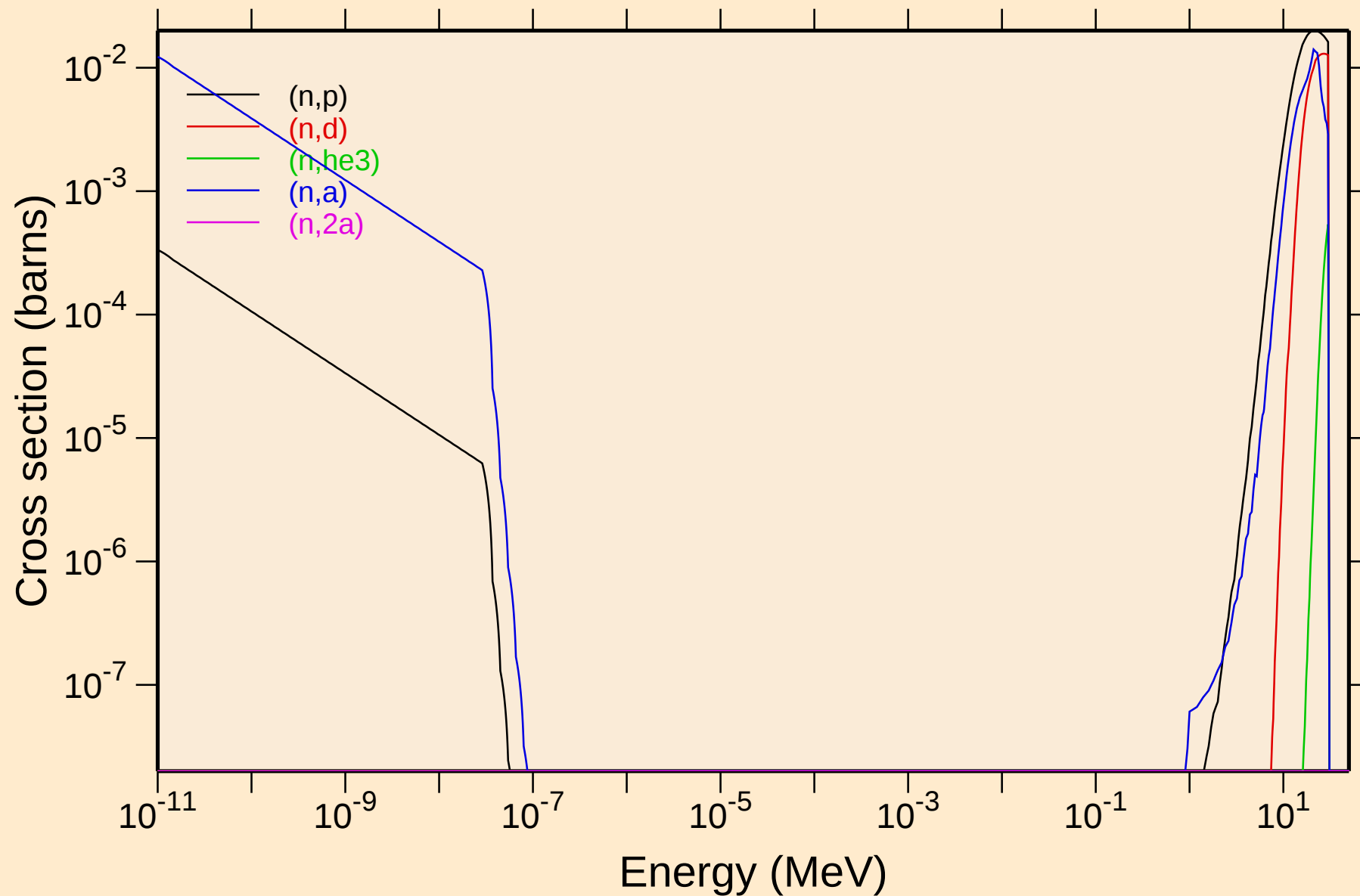
Damage



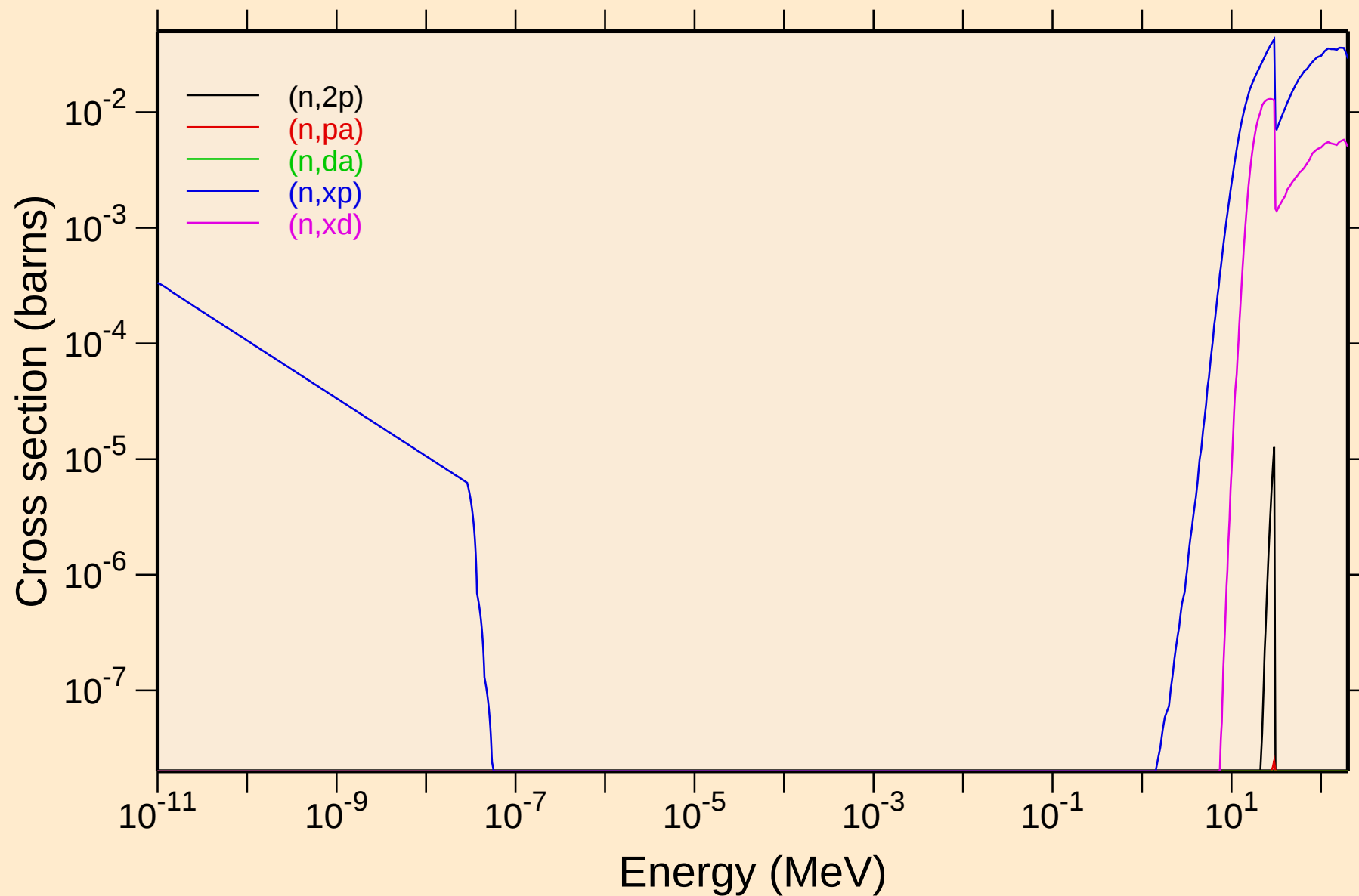
MD249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



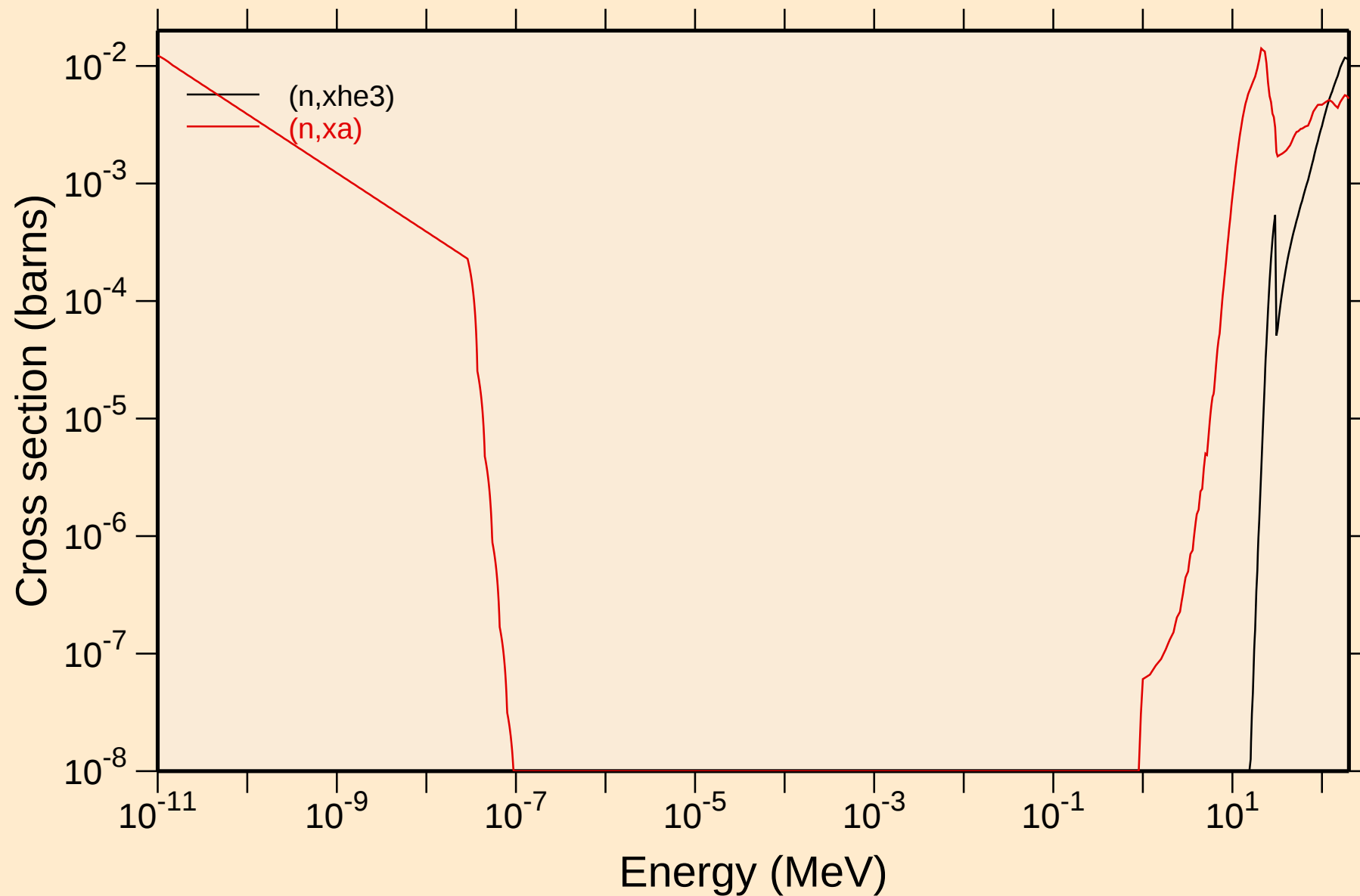
MD249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



MD249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

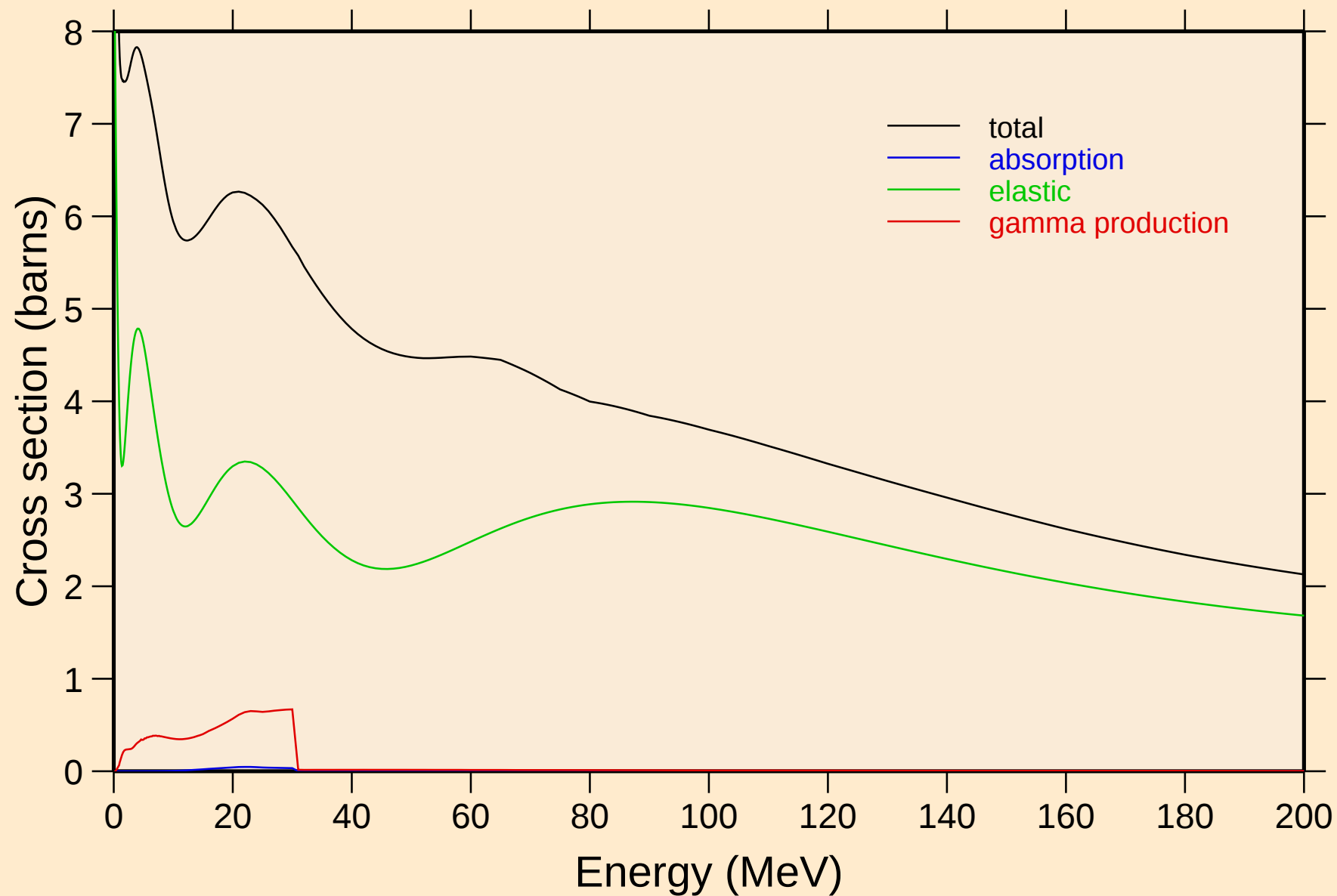


MD249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



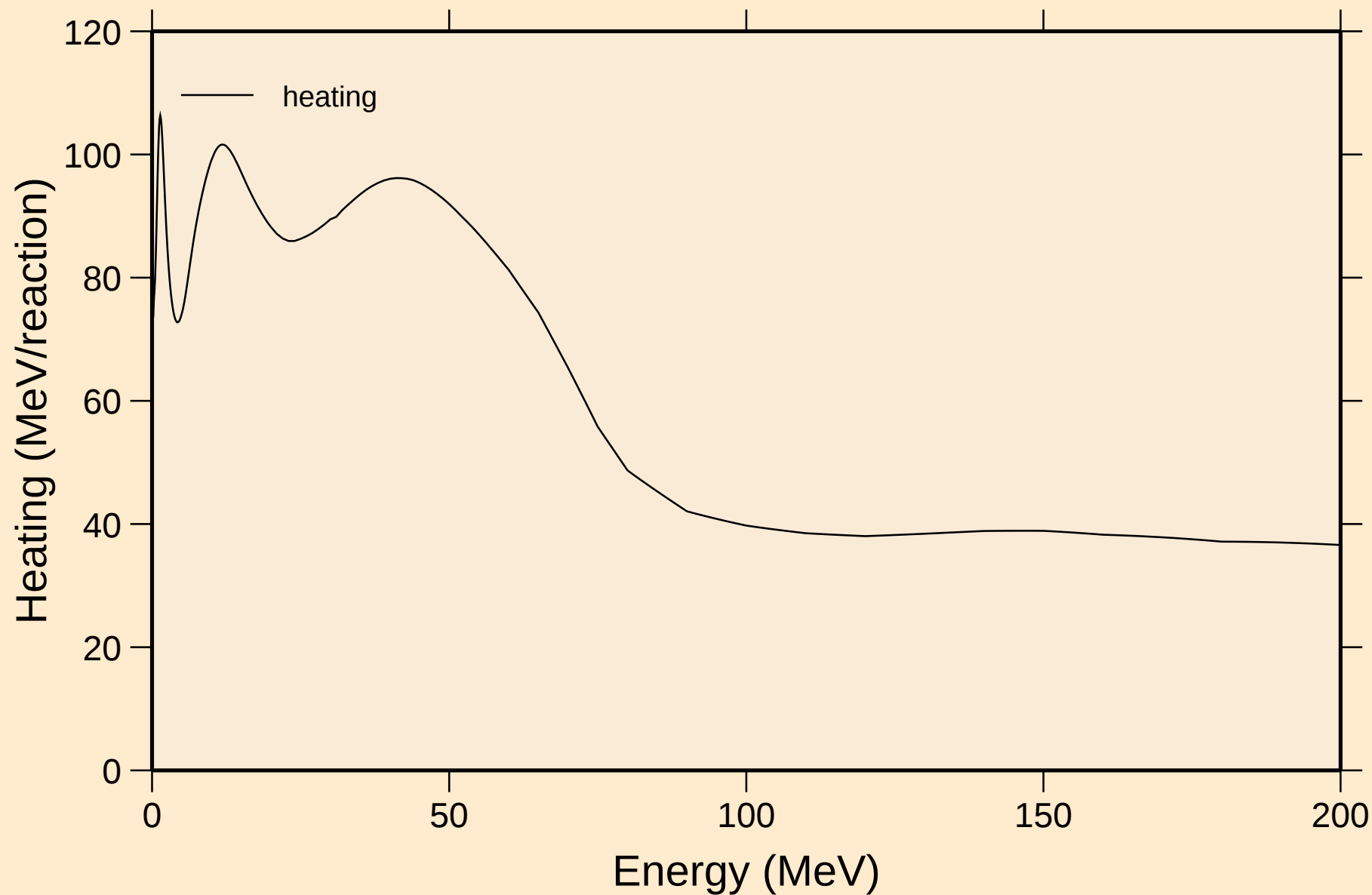
# MD249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



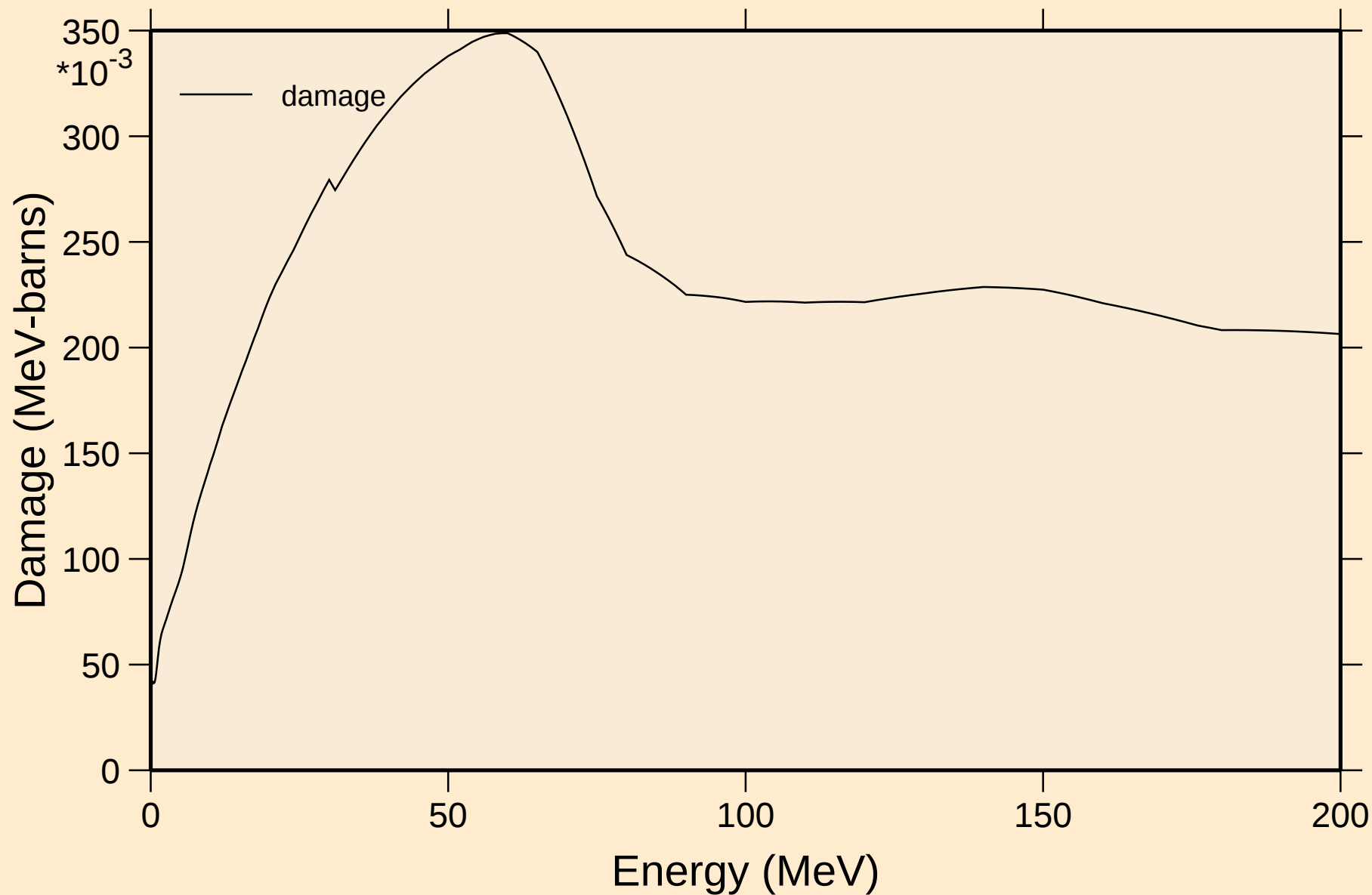
# MD249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Heating

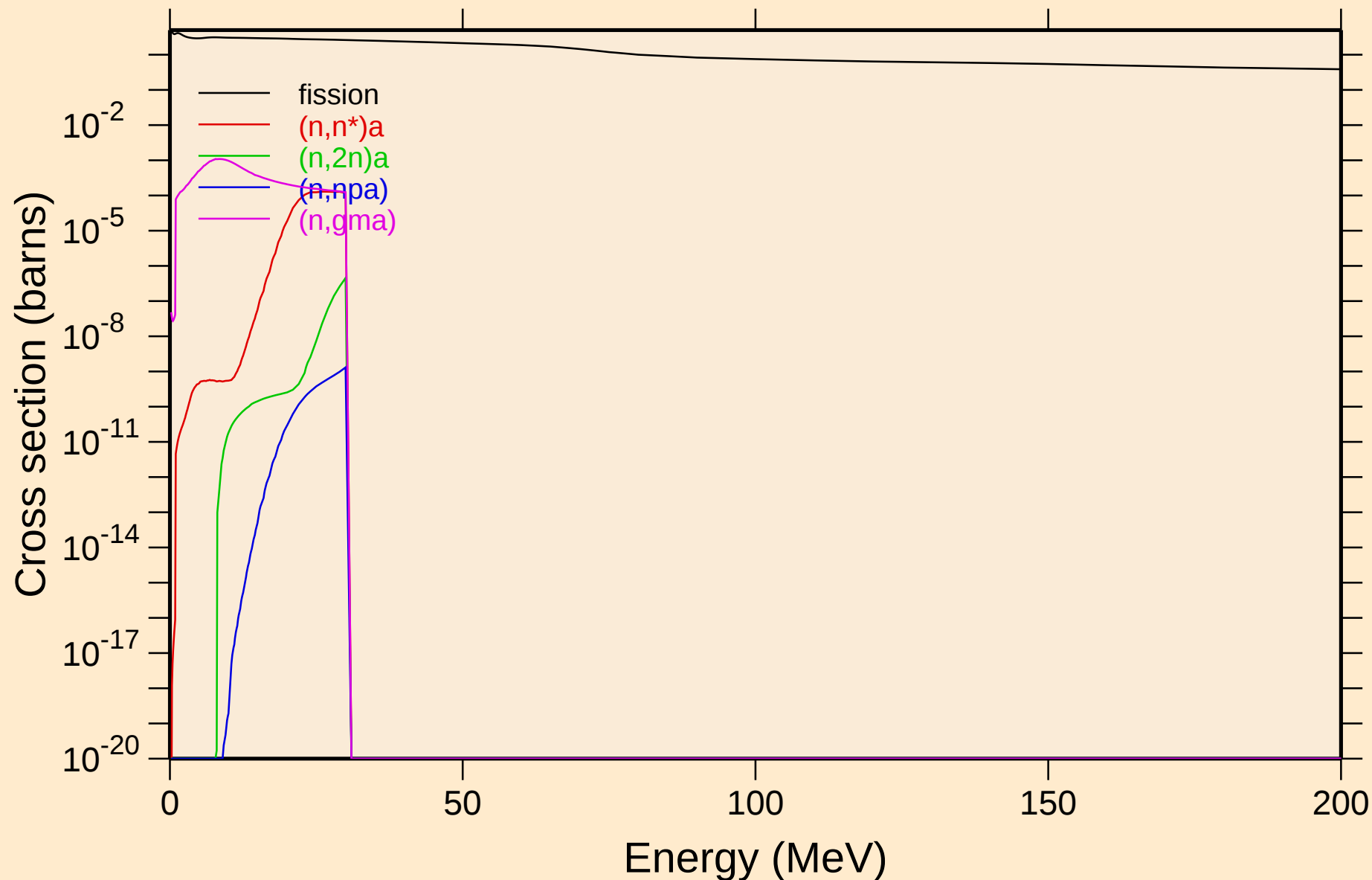


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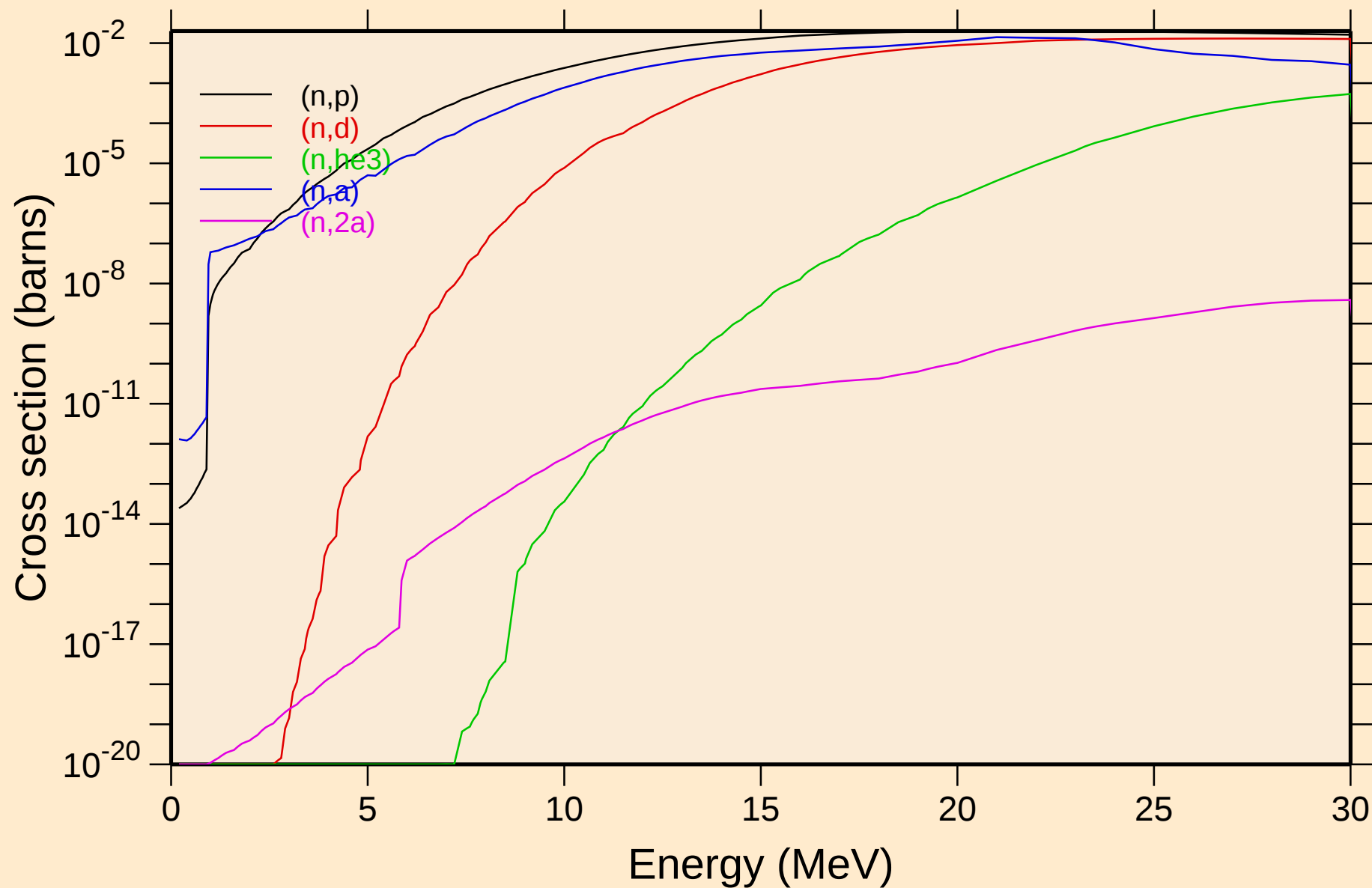
Damage



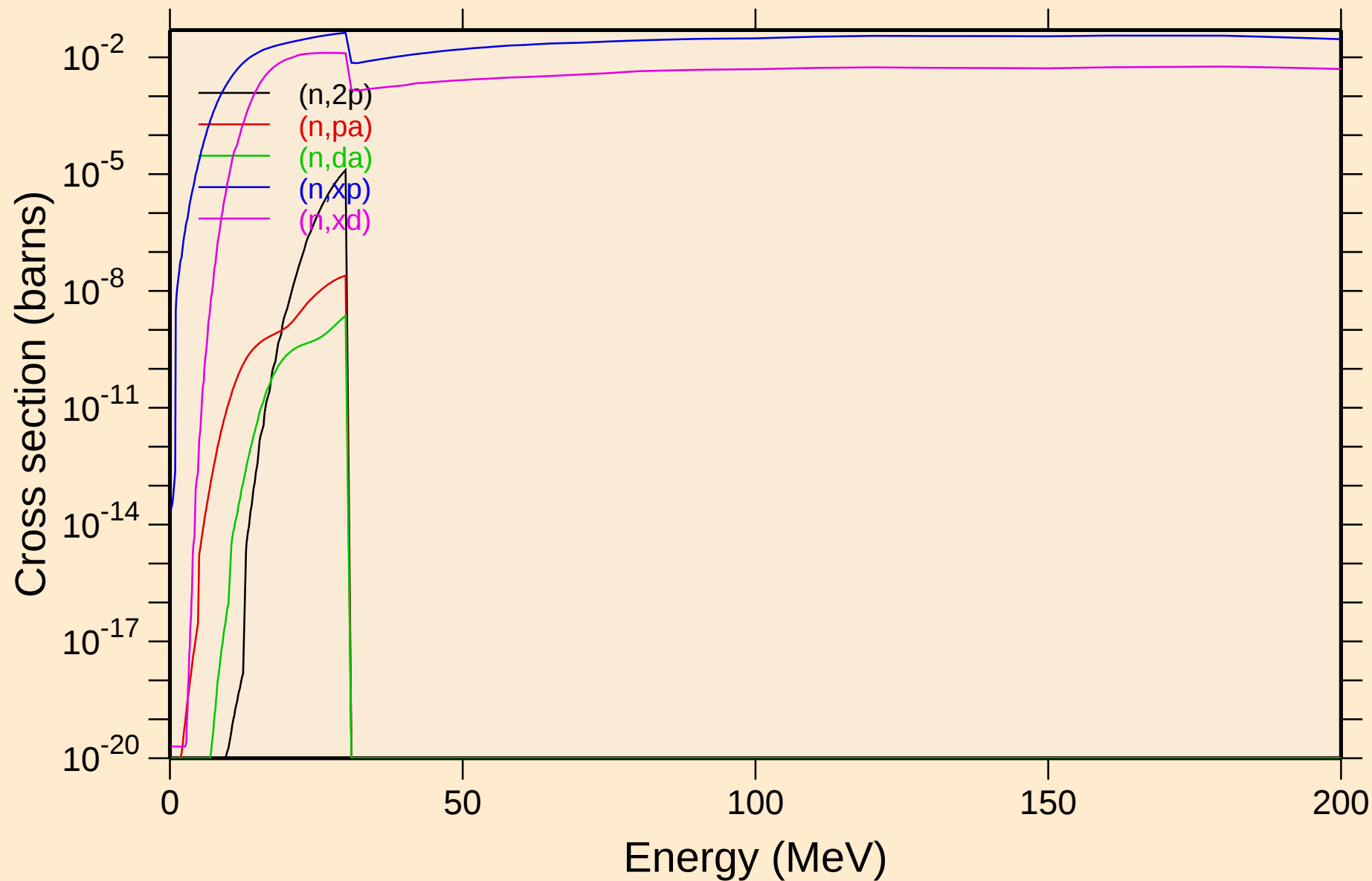
MD249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



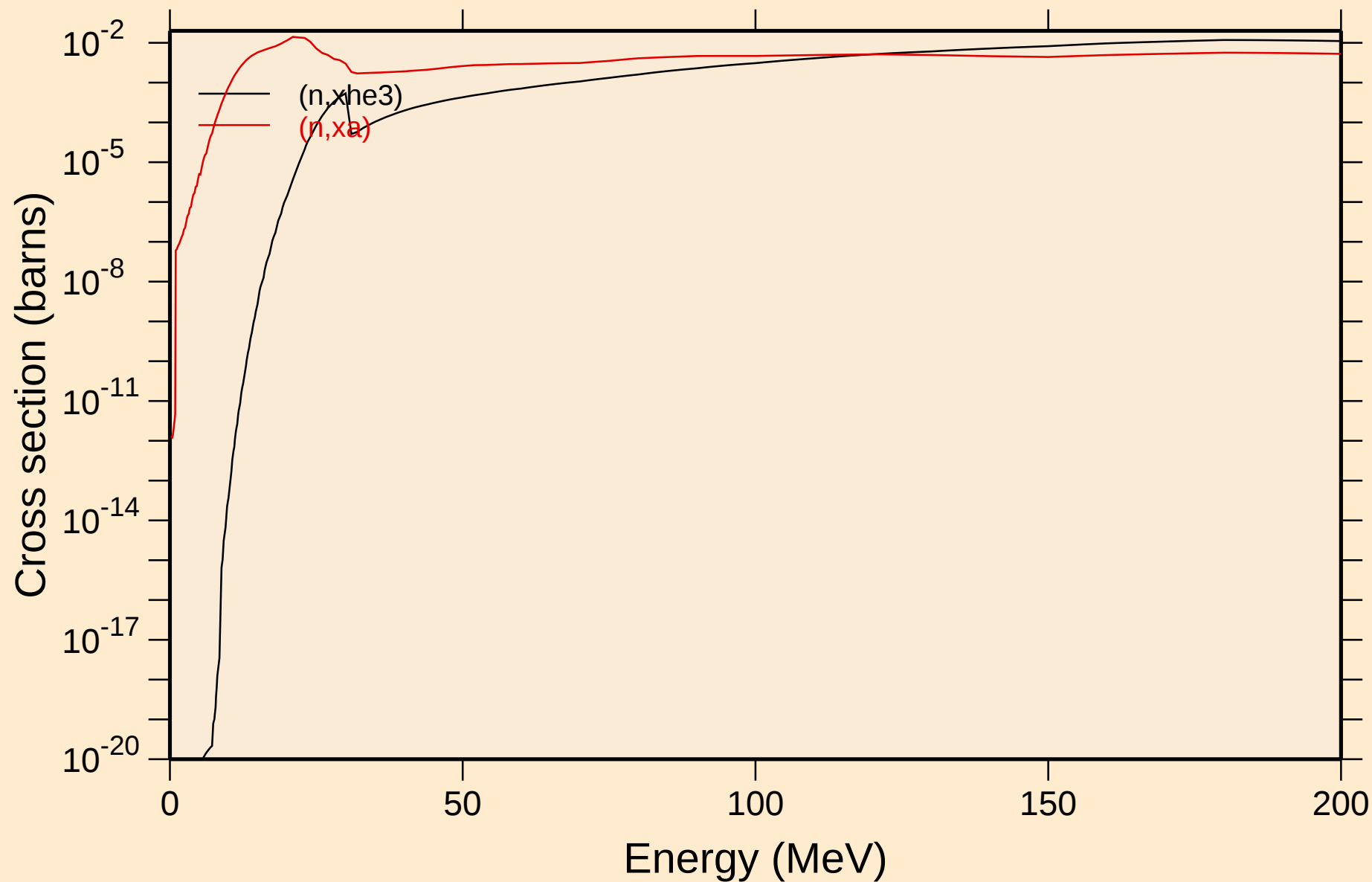
MD249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



MD249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

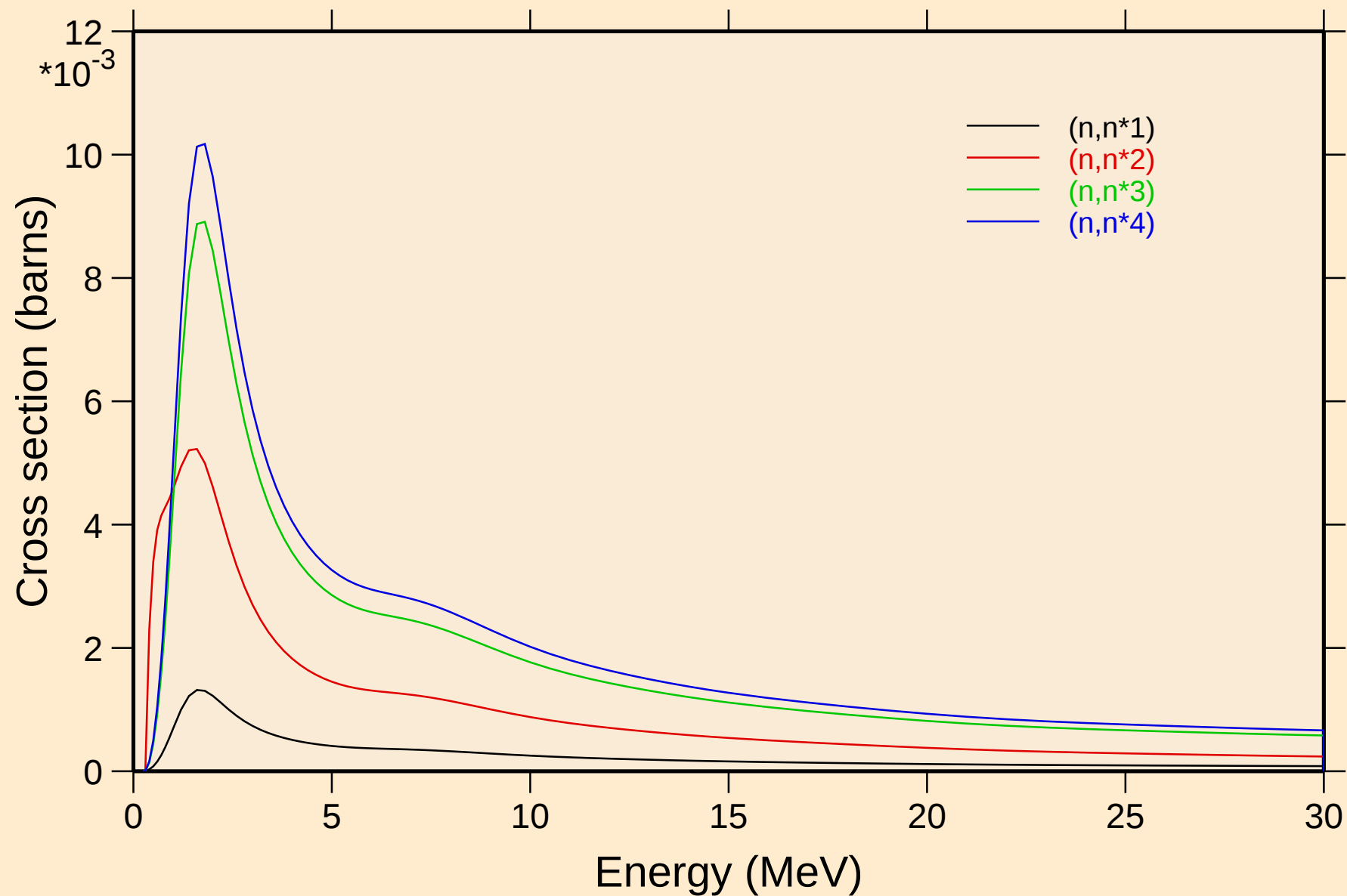


MD249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



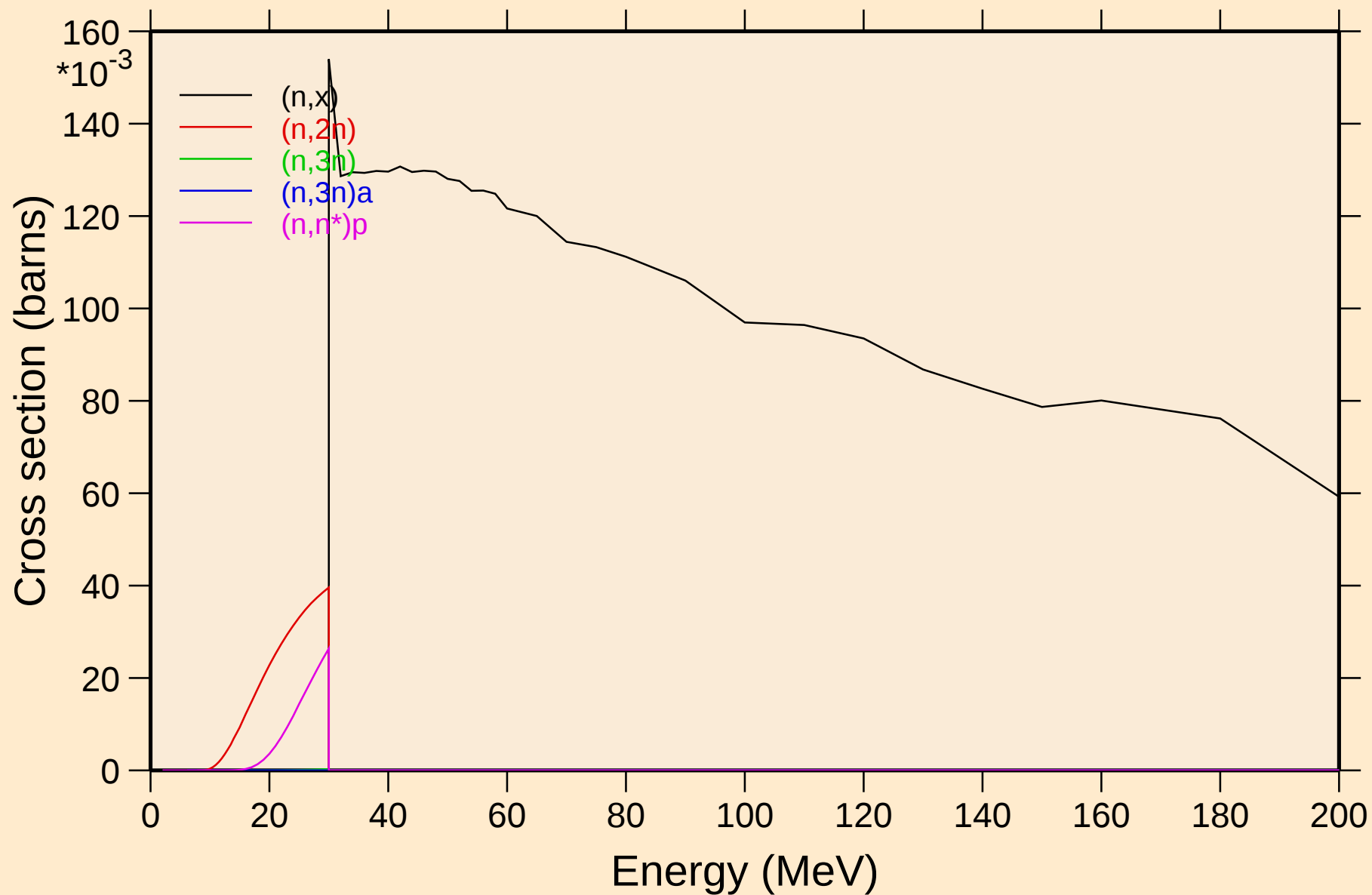
# MD249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Inelastic levels



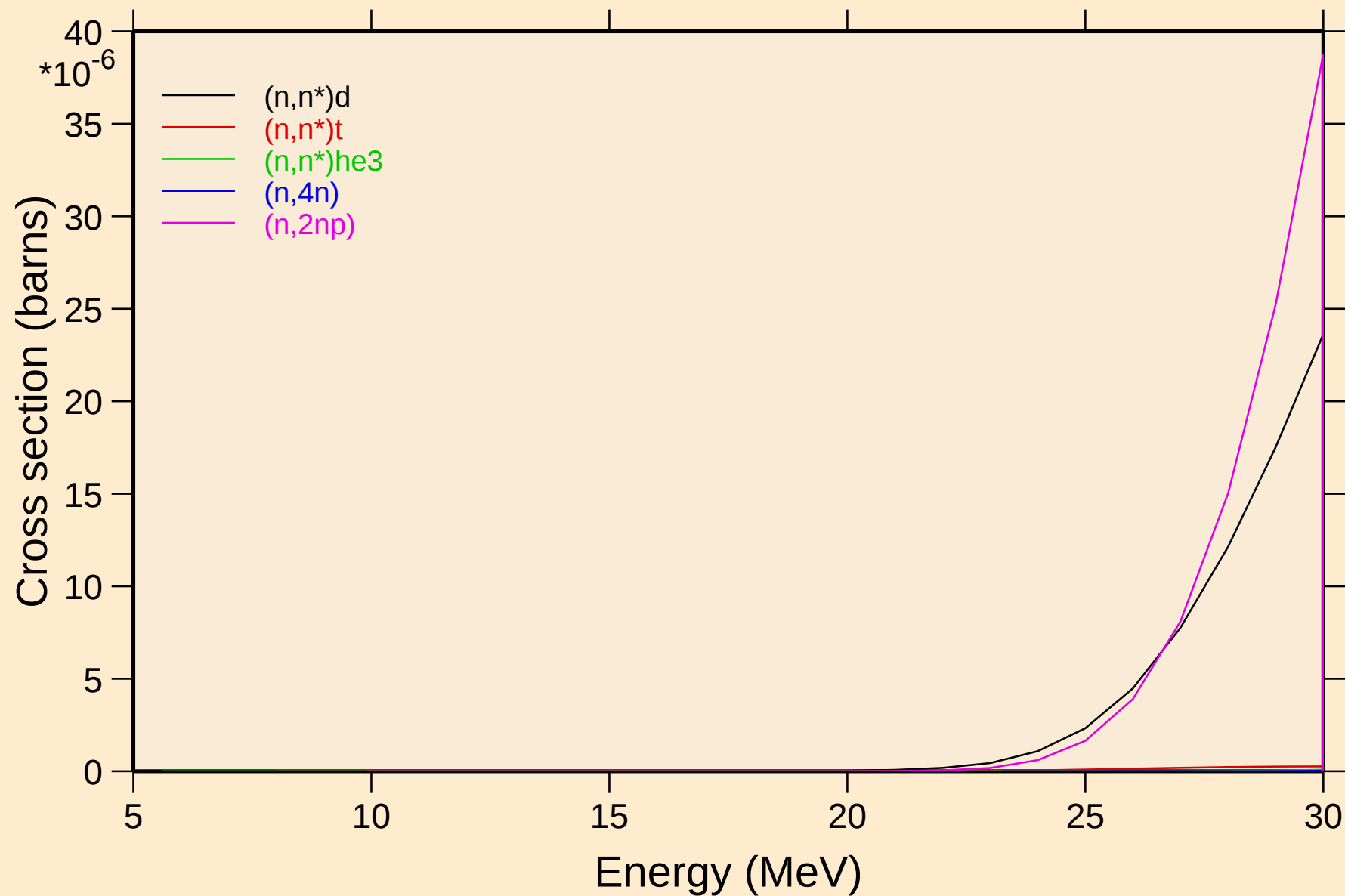
# MD249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions

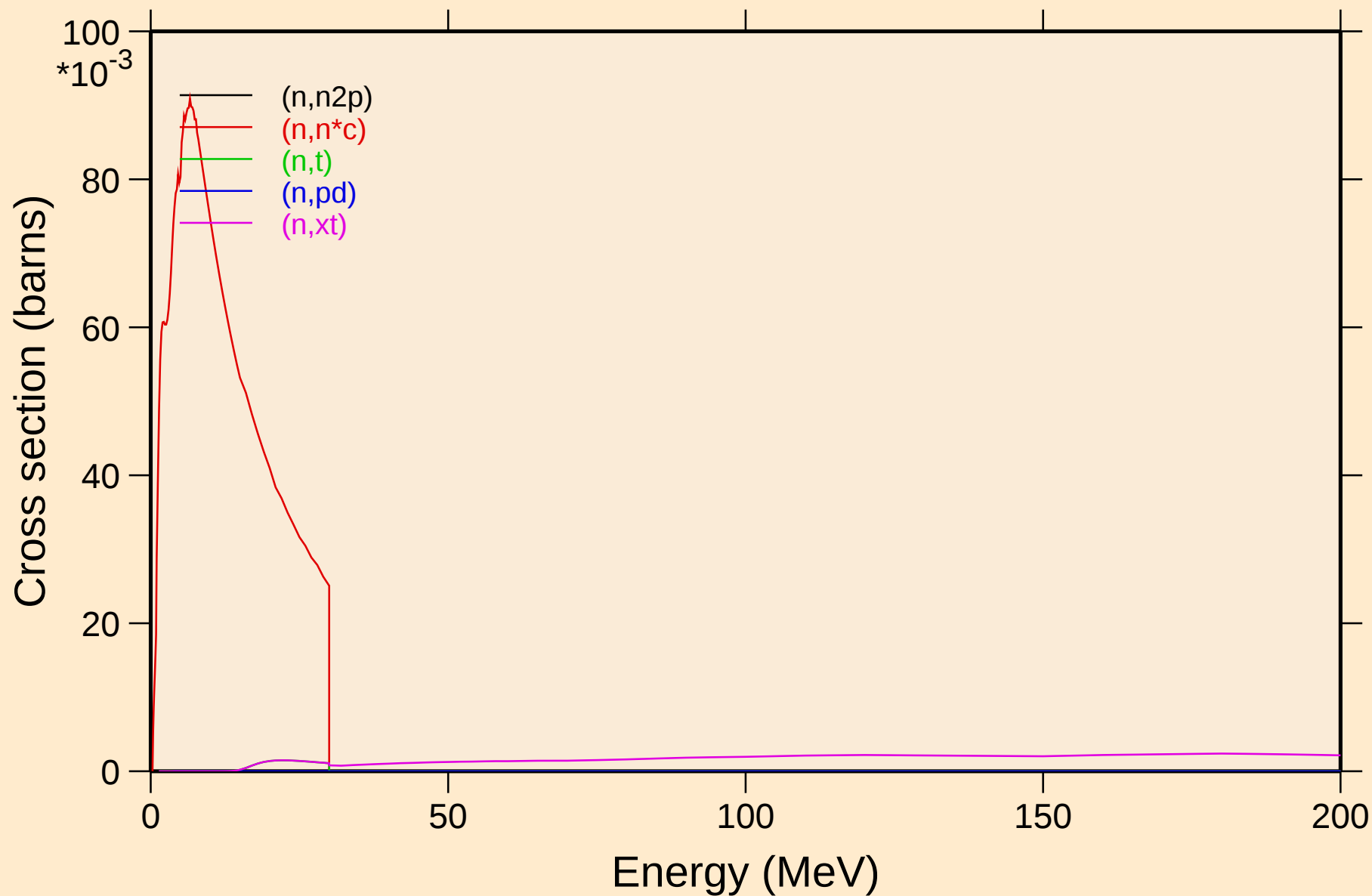


# MD249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

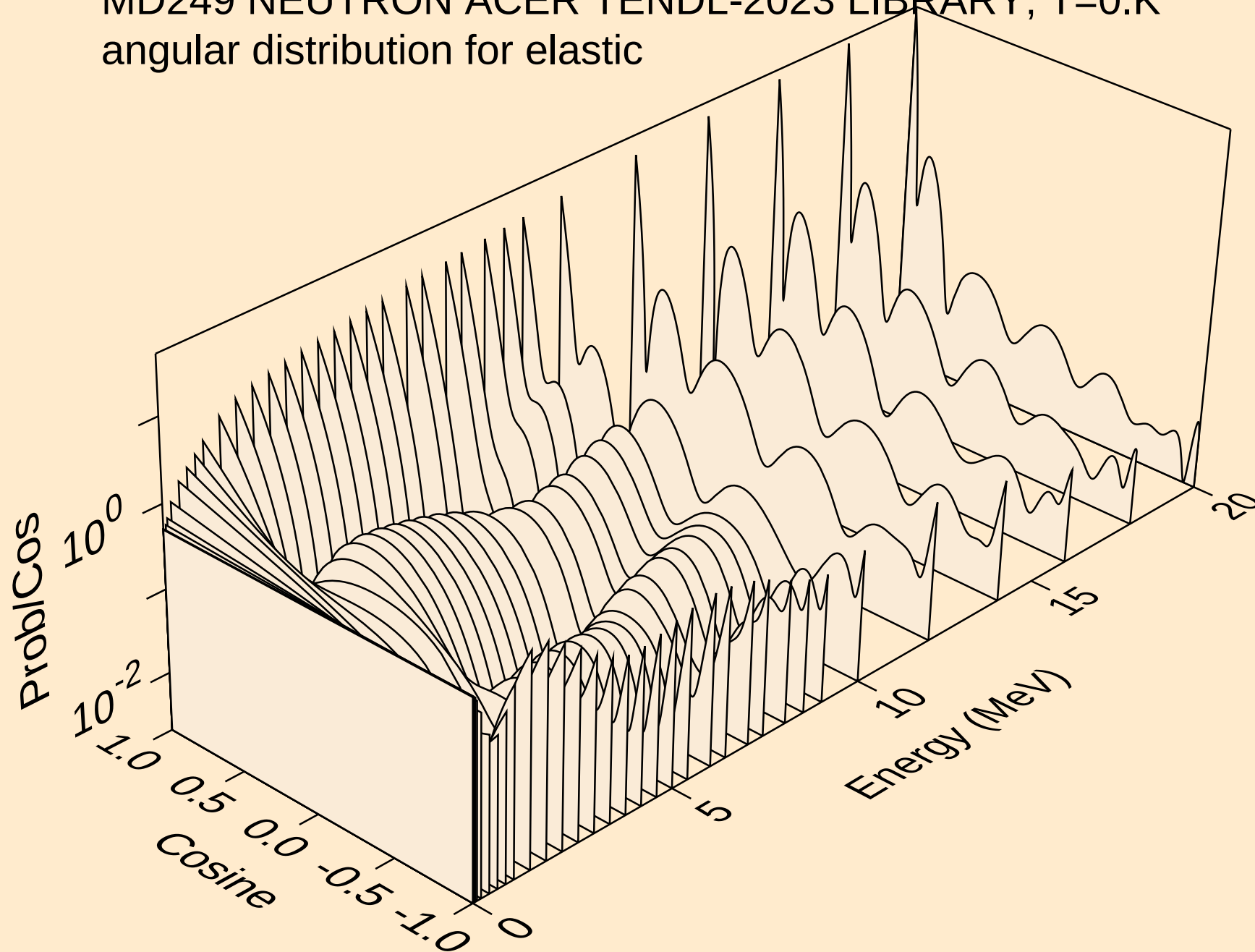
## Threshold reactions



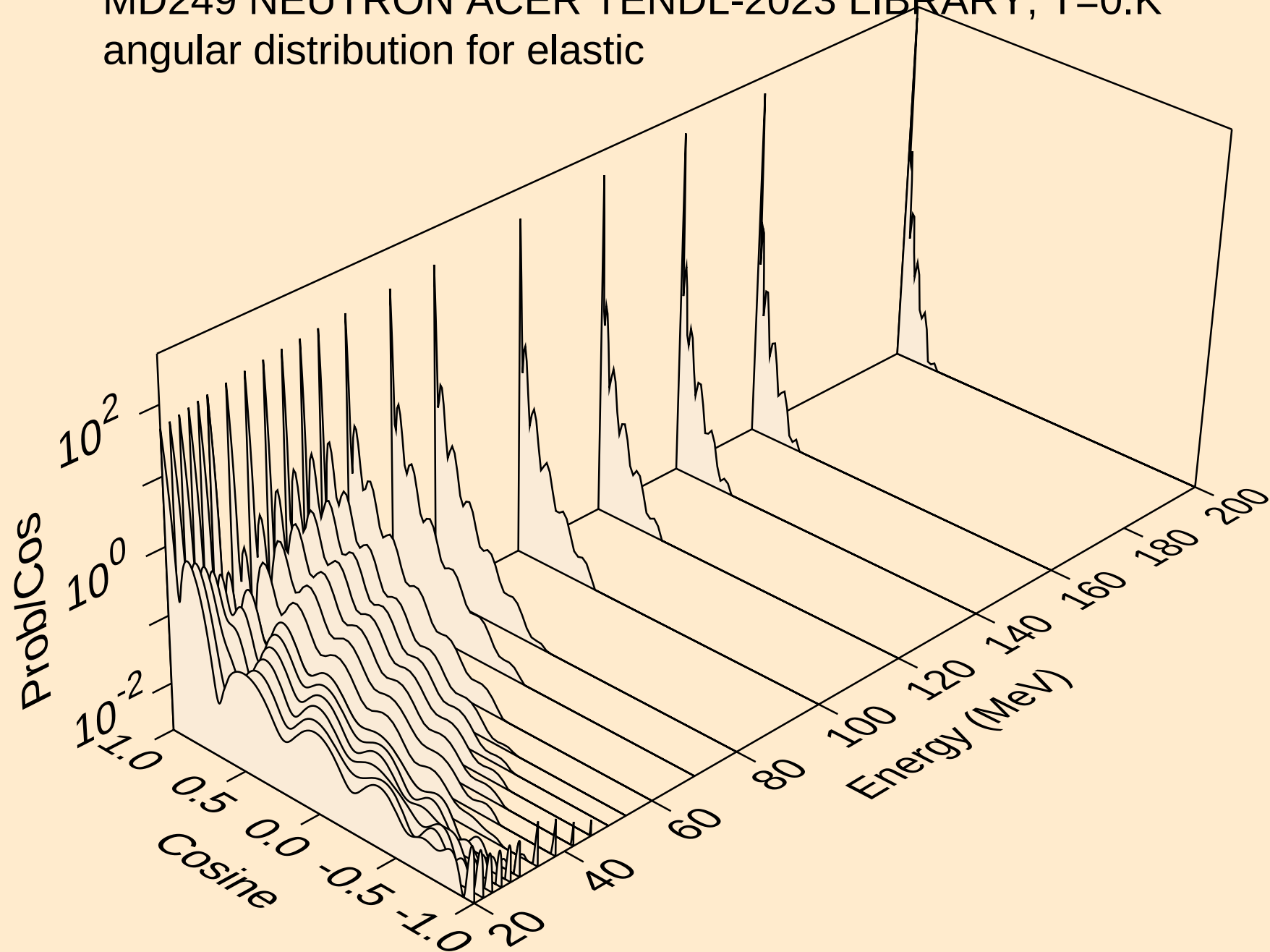
MD249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



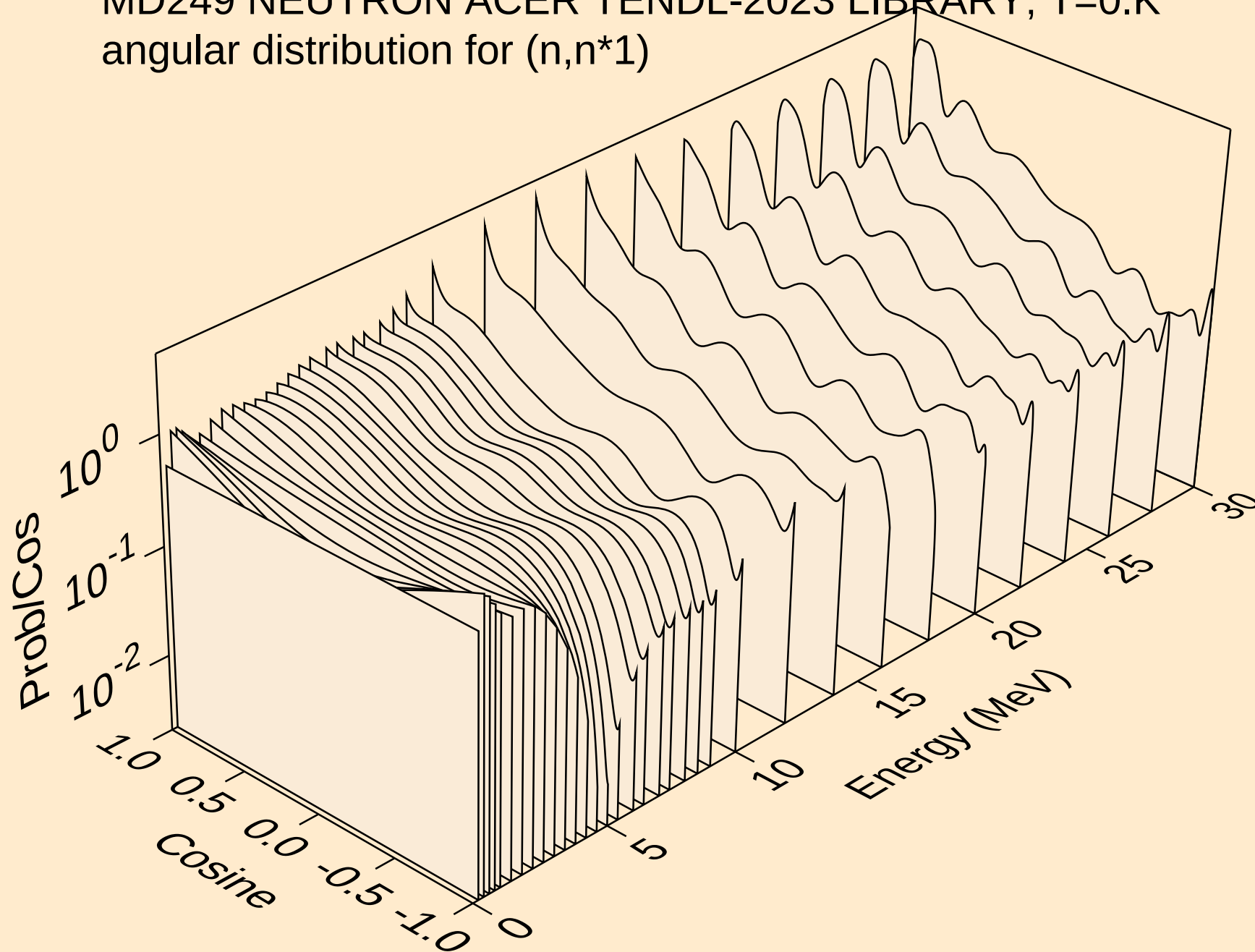
MD249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



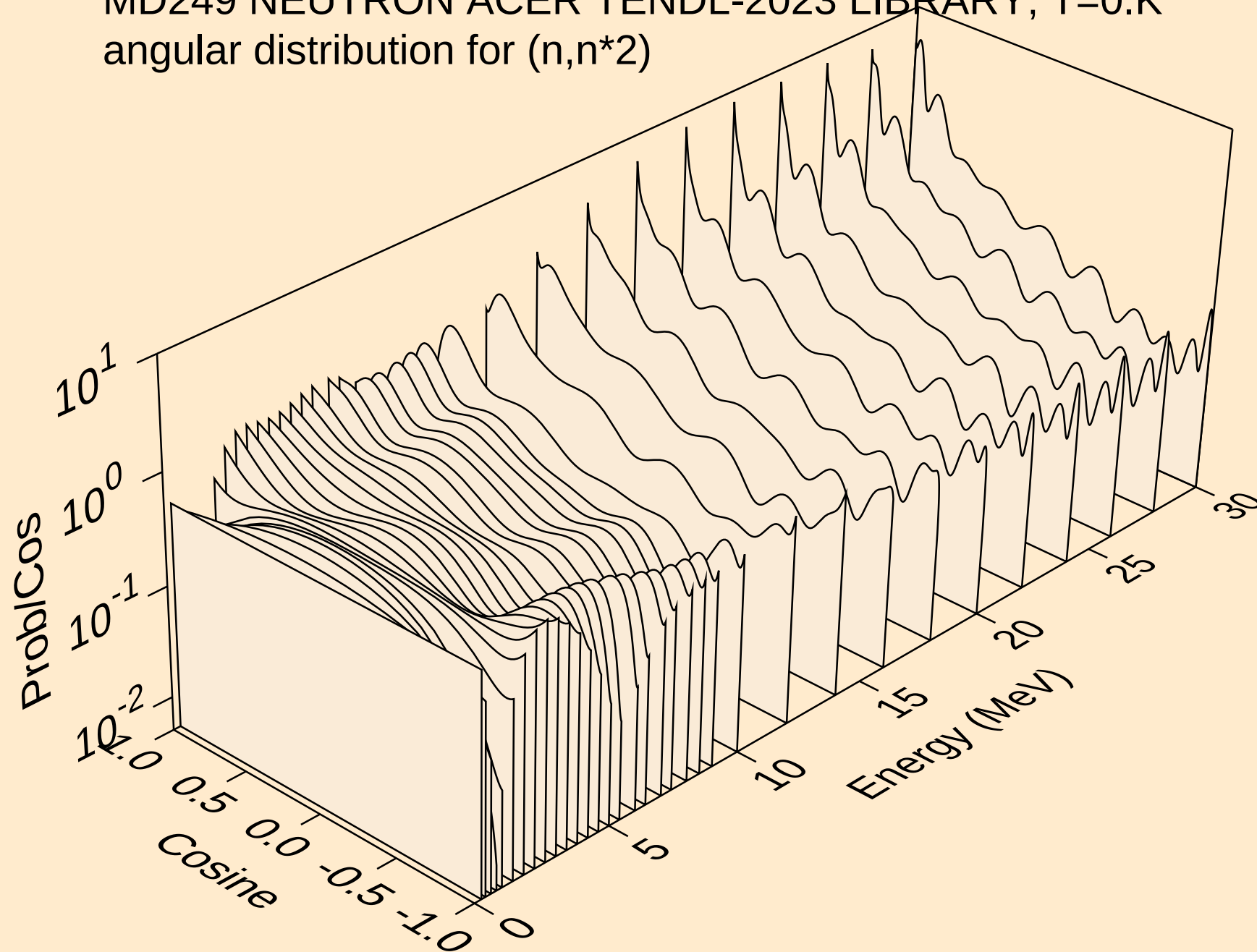
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angular distribution for elastic



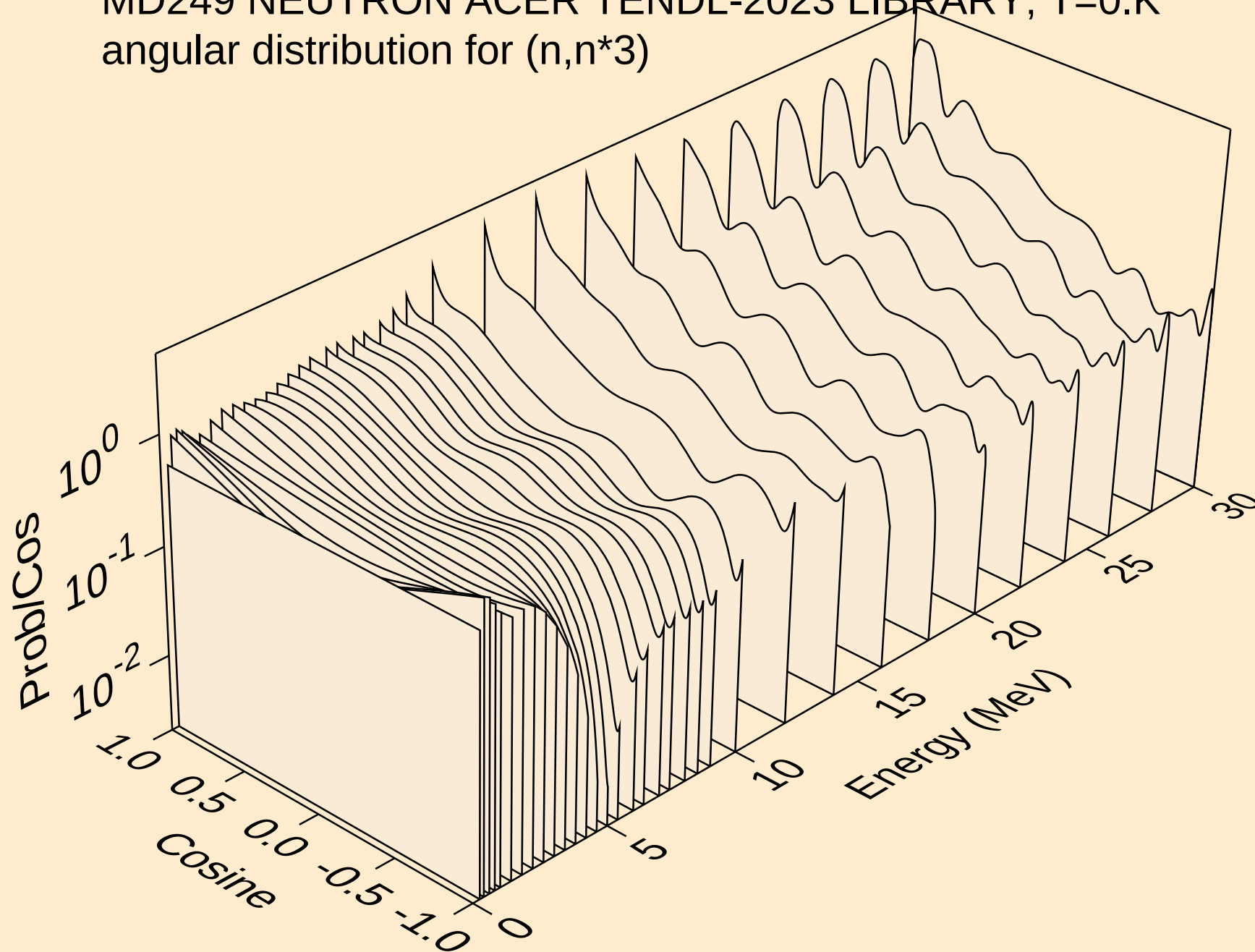
MD249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



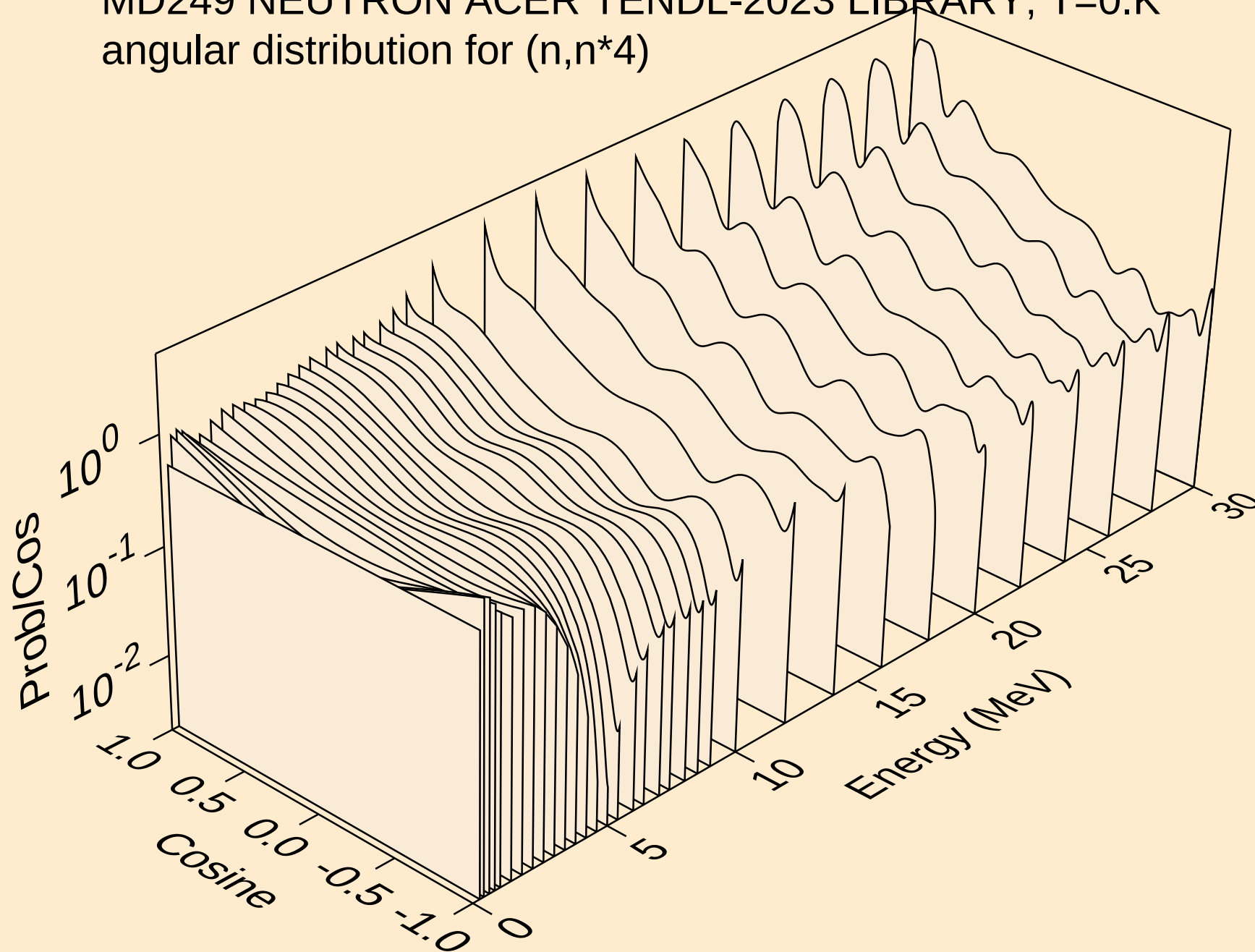
MD249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*2)



MD249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*3)

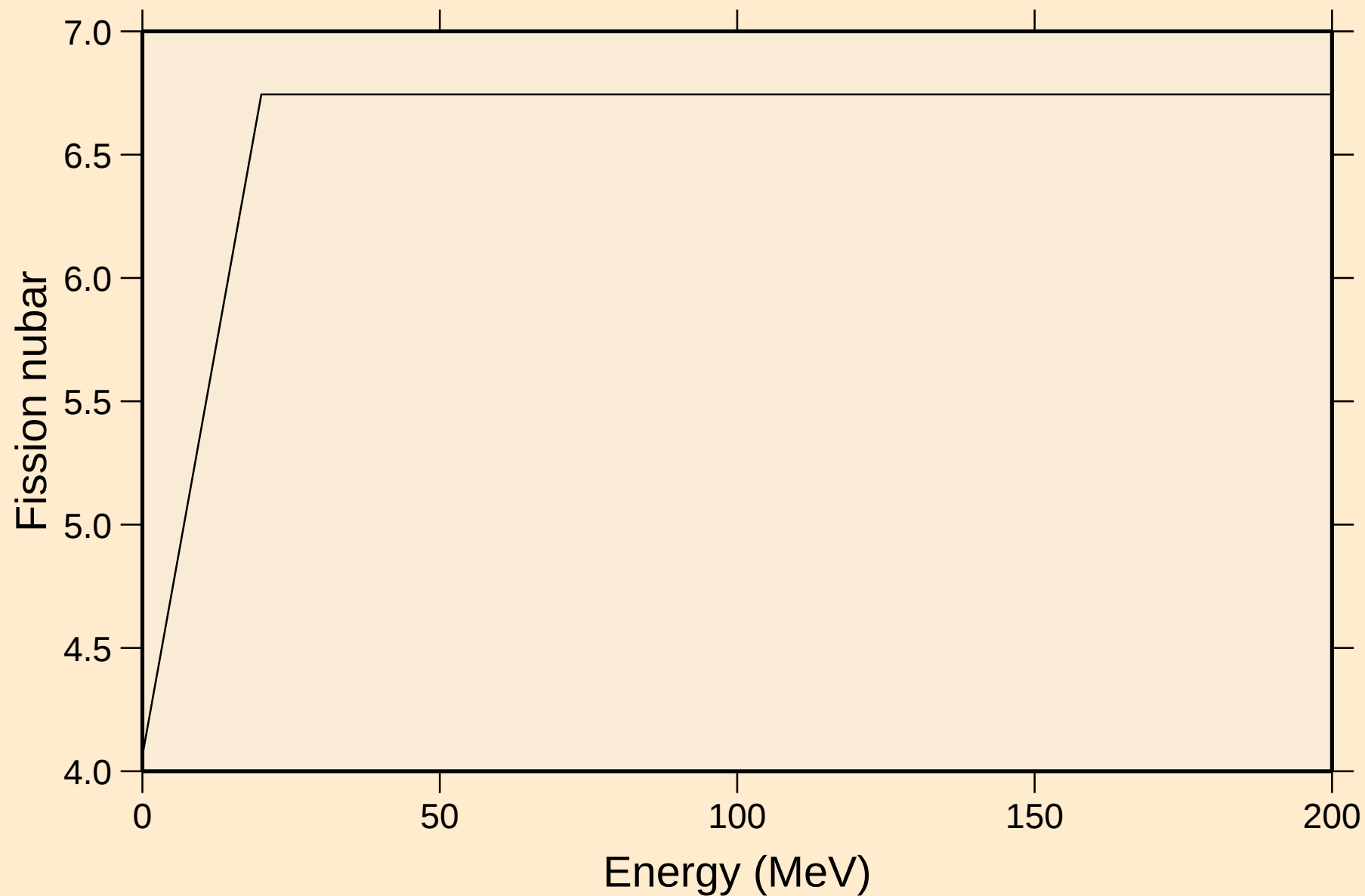


MD249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*4)

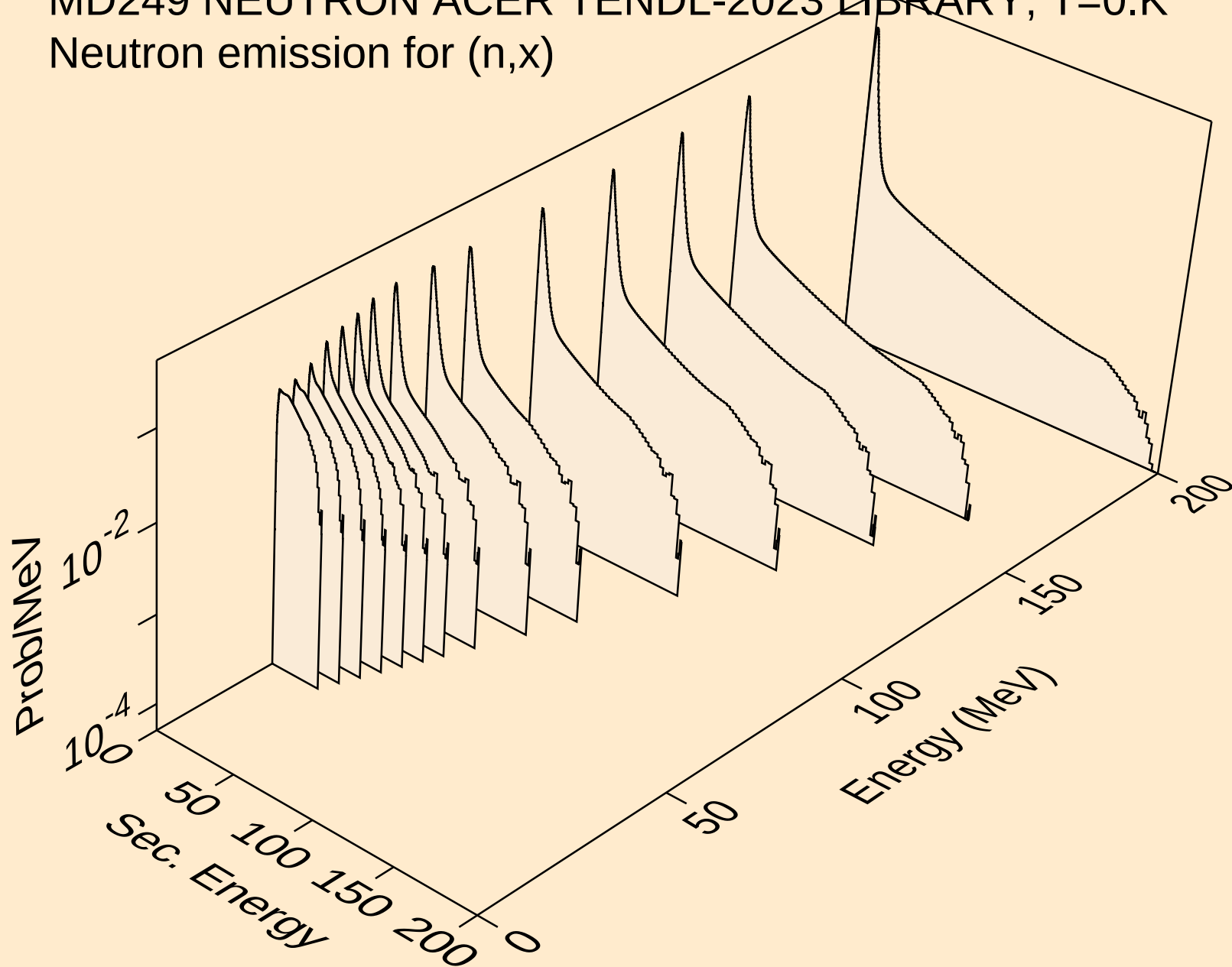


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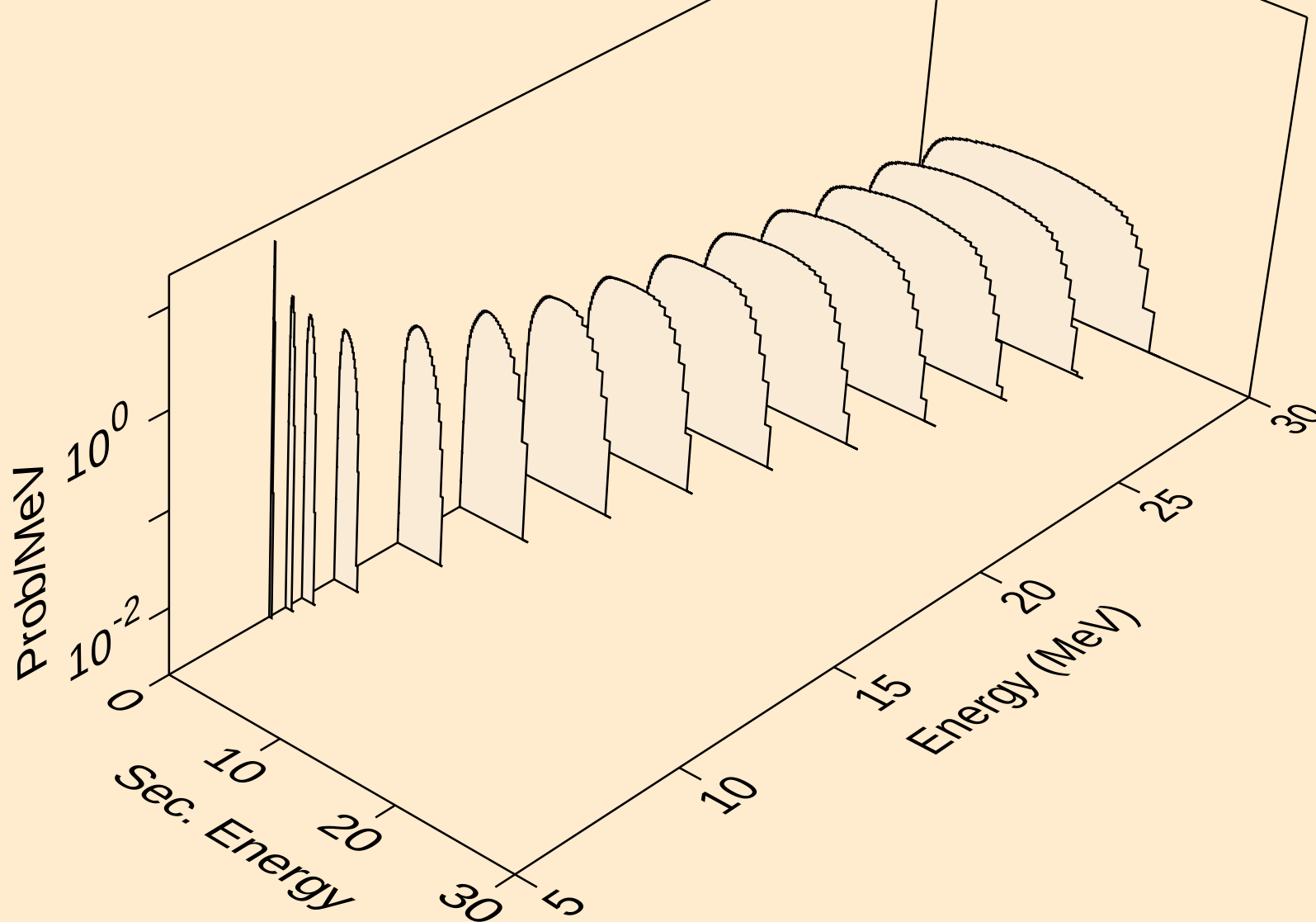
Total fission nubar



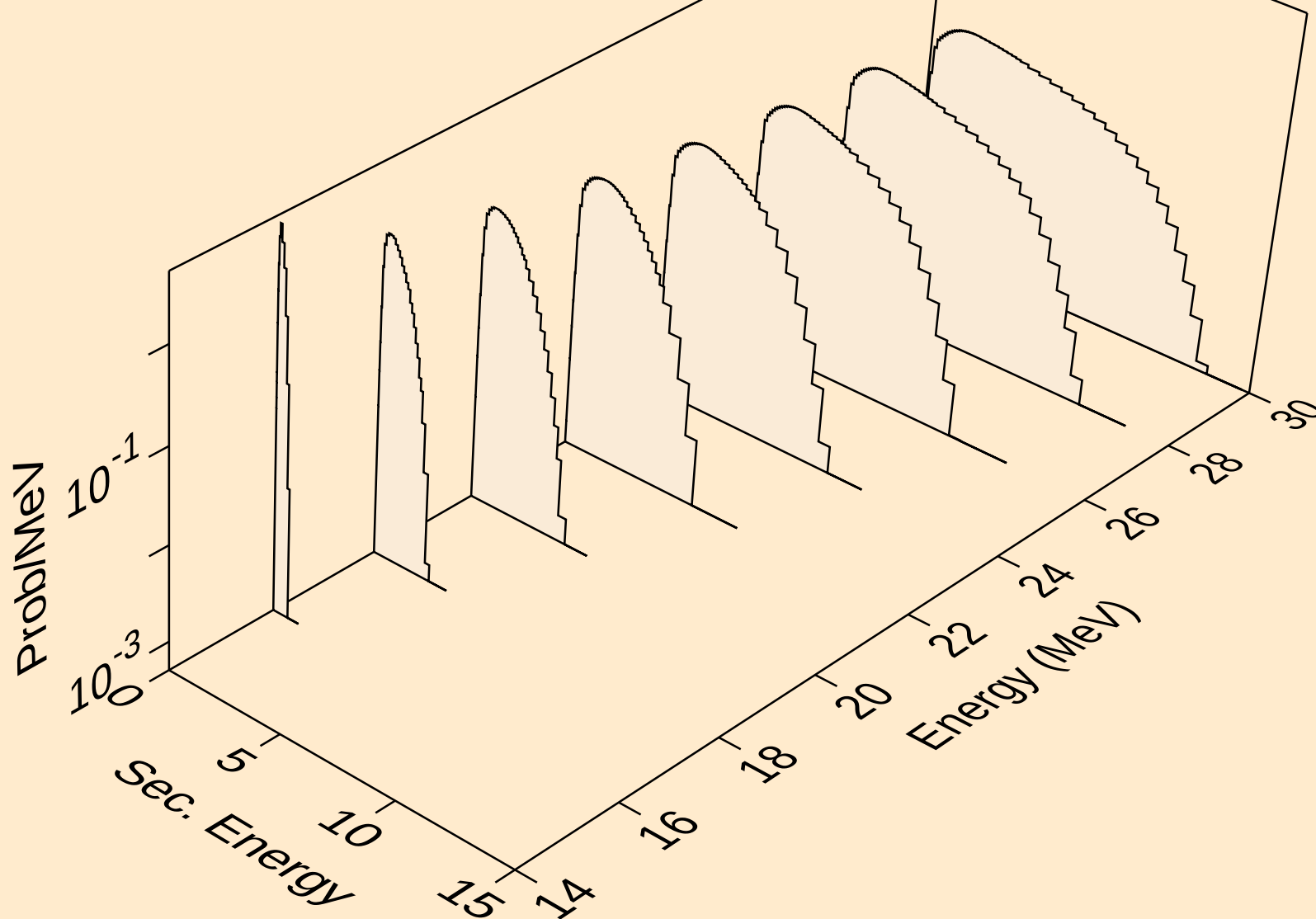
MD249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,x)



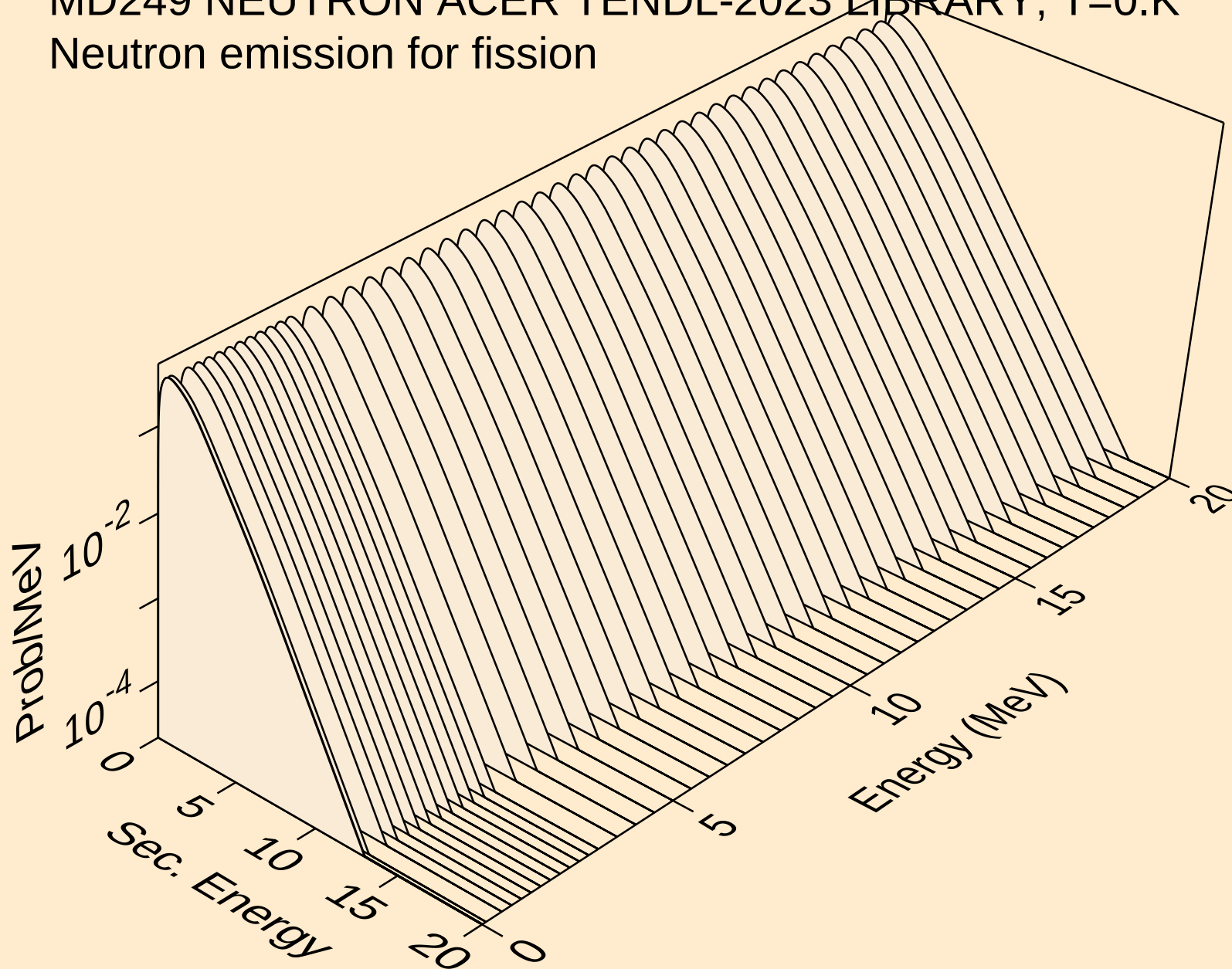
MD249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)



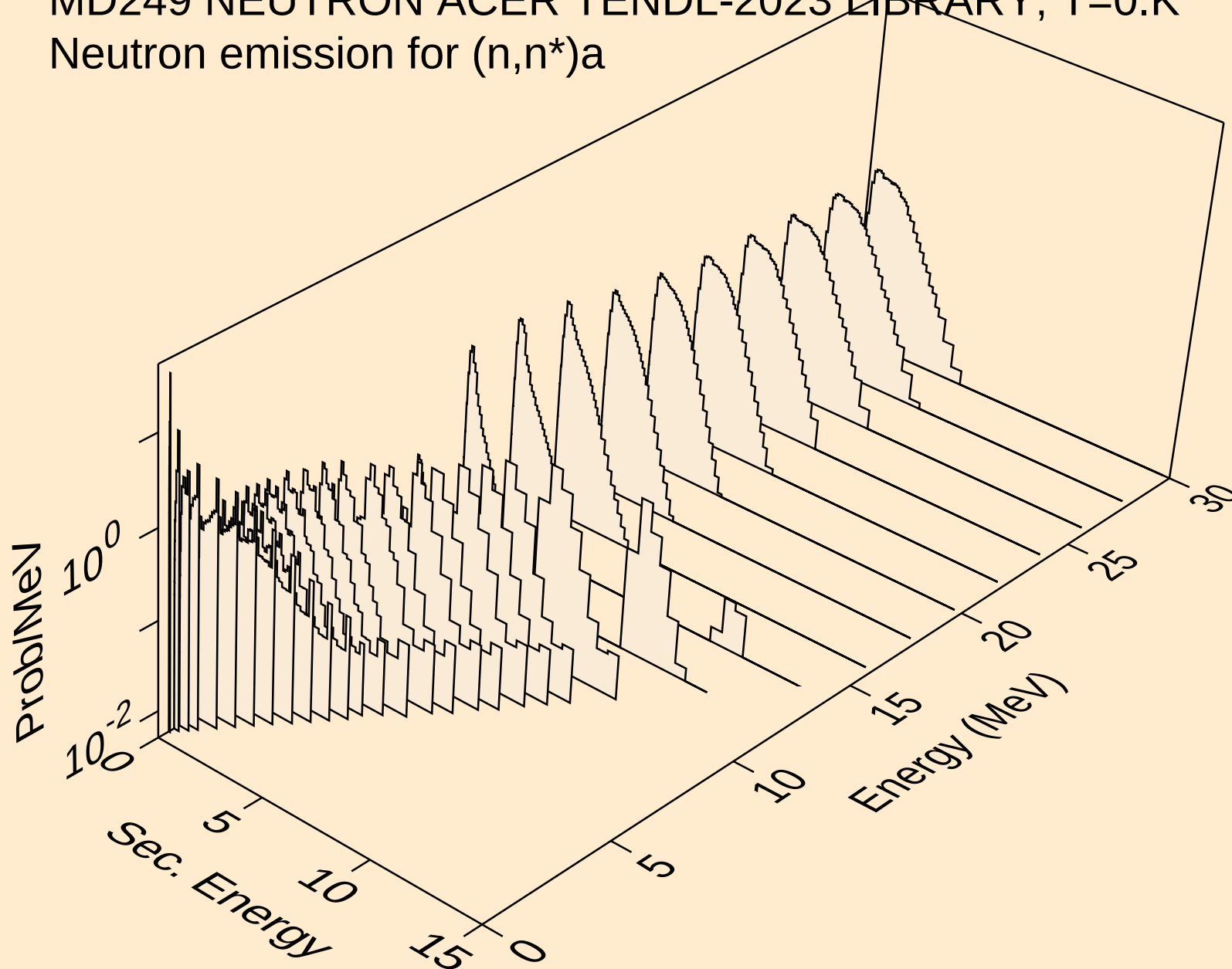
MD249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)



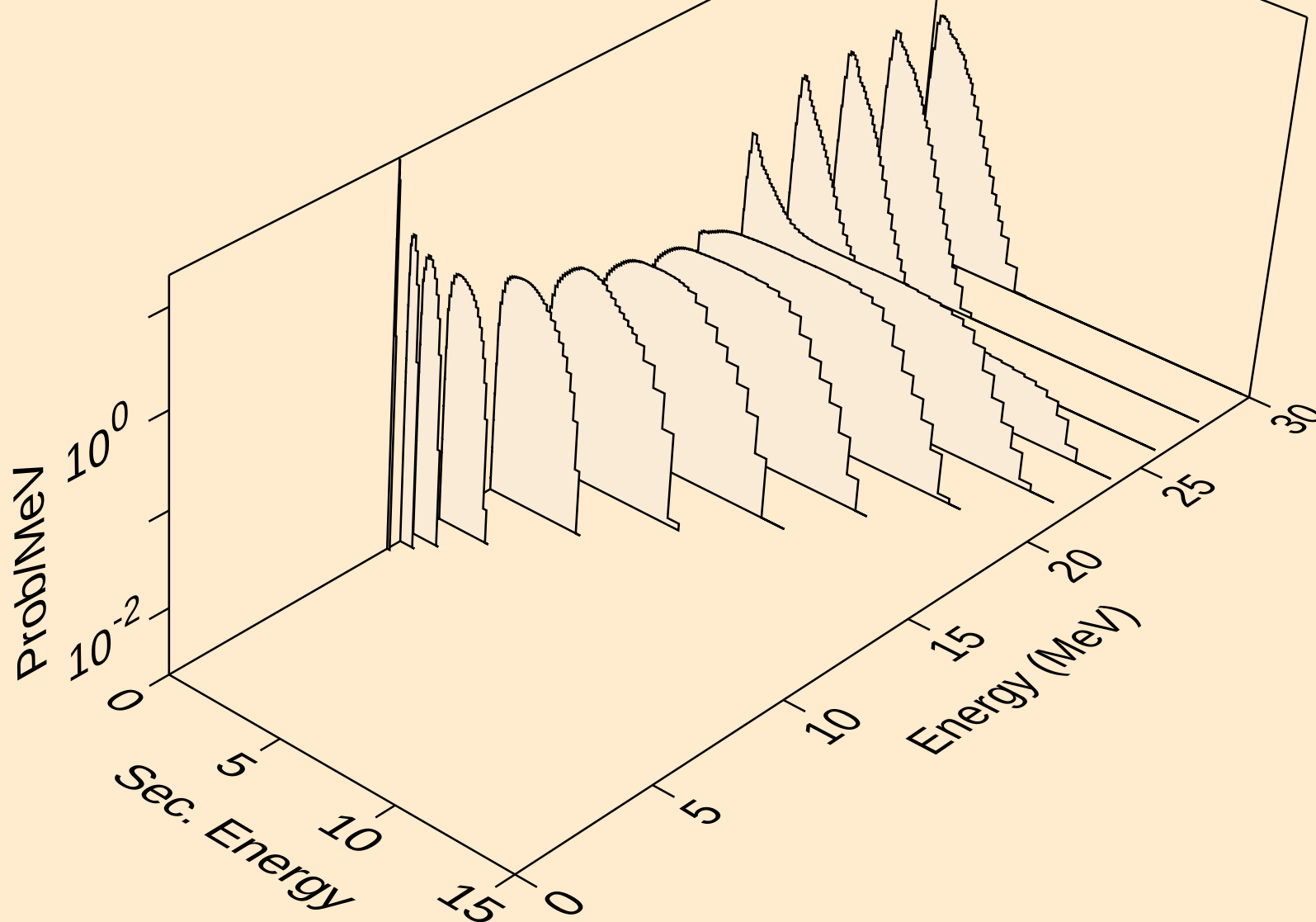
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Neutron emission for fission



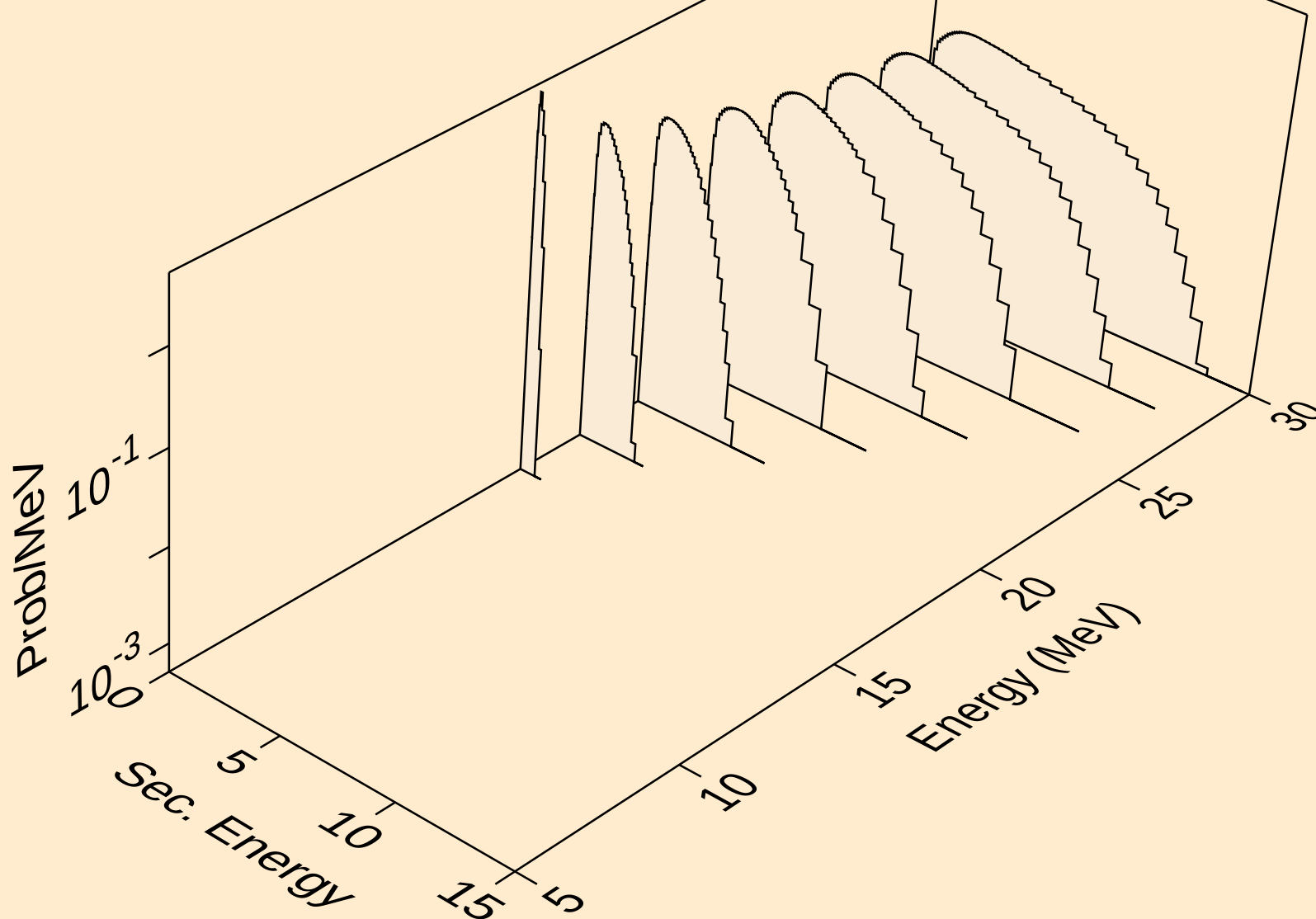
MD249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



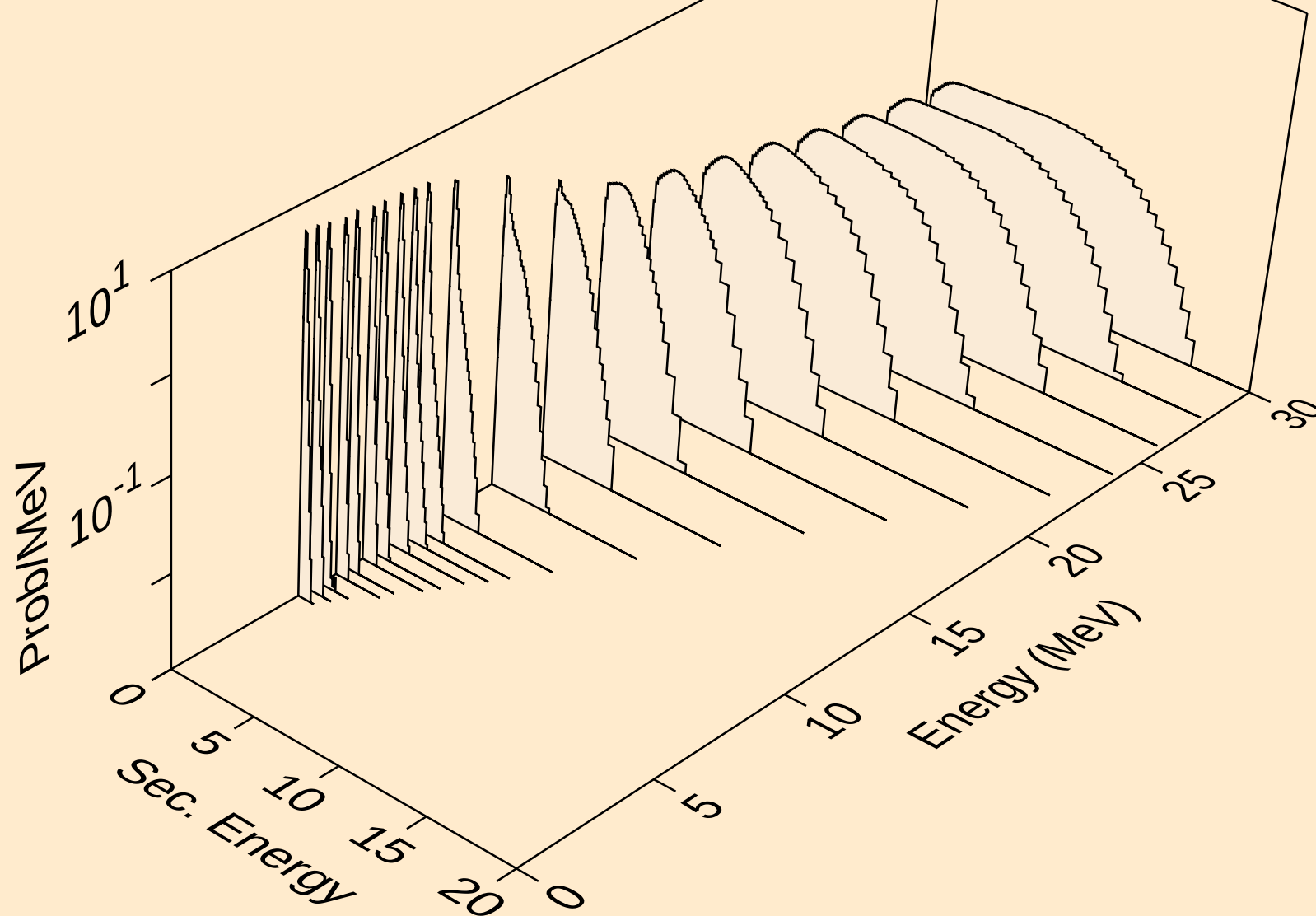
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Neutron emission for (n,2n)a



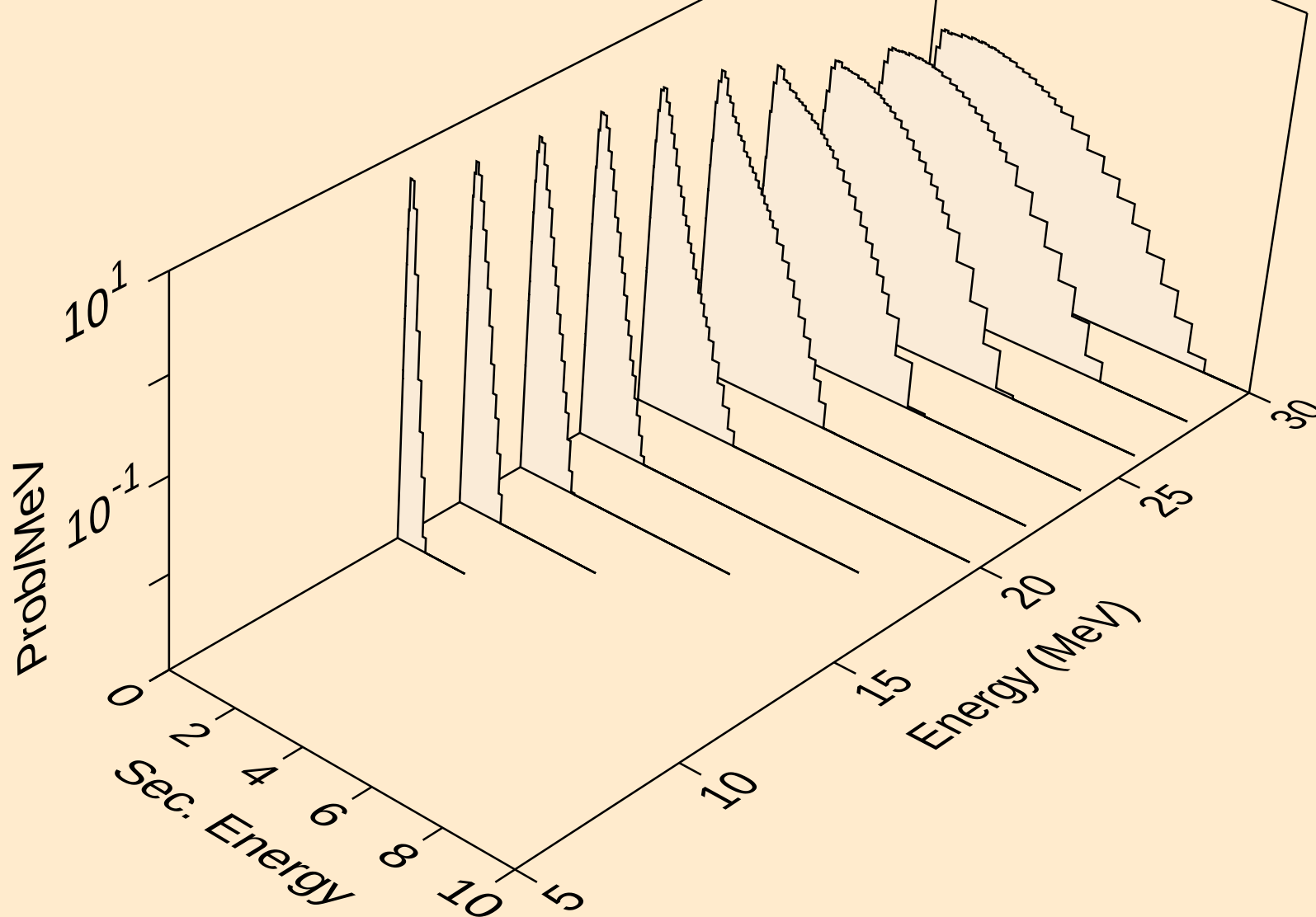
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Neutron emission for (n,3n)a



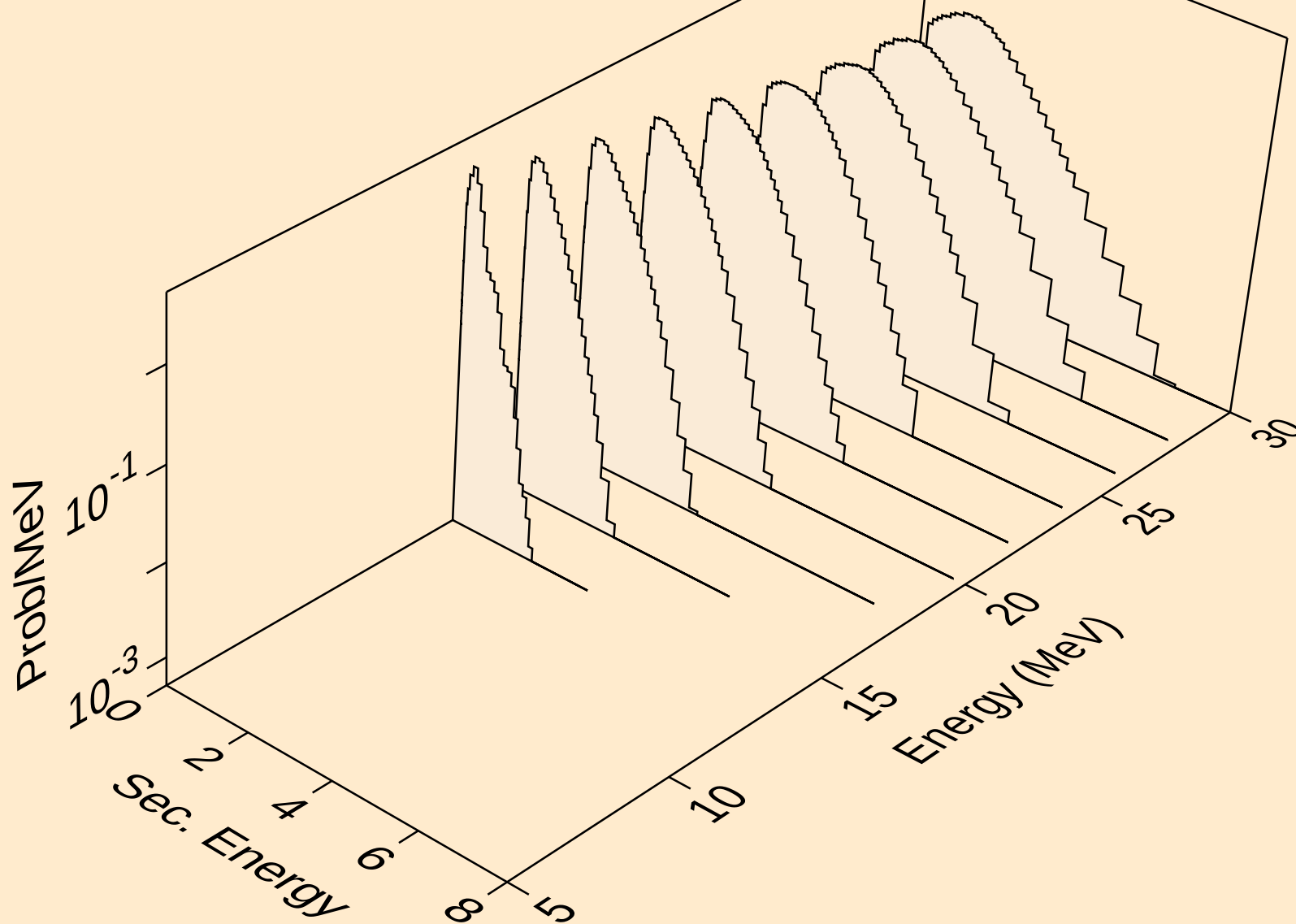
MD249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



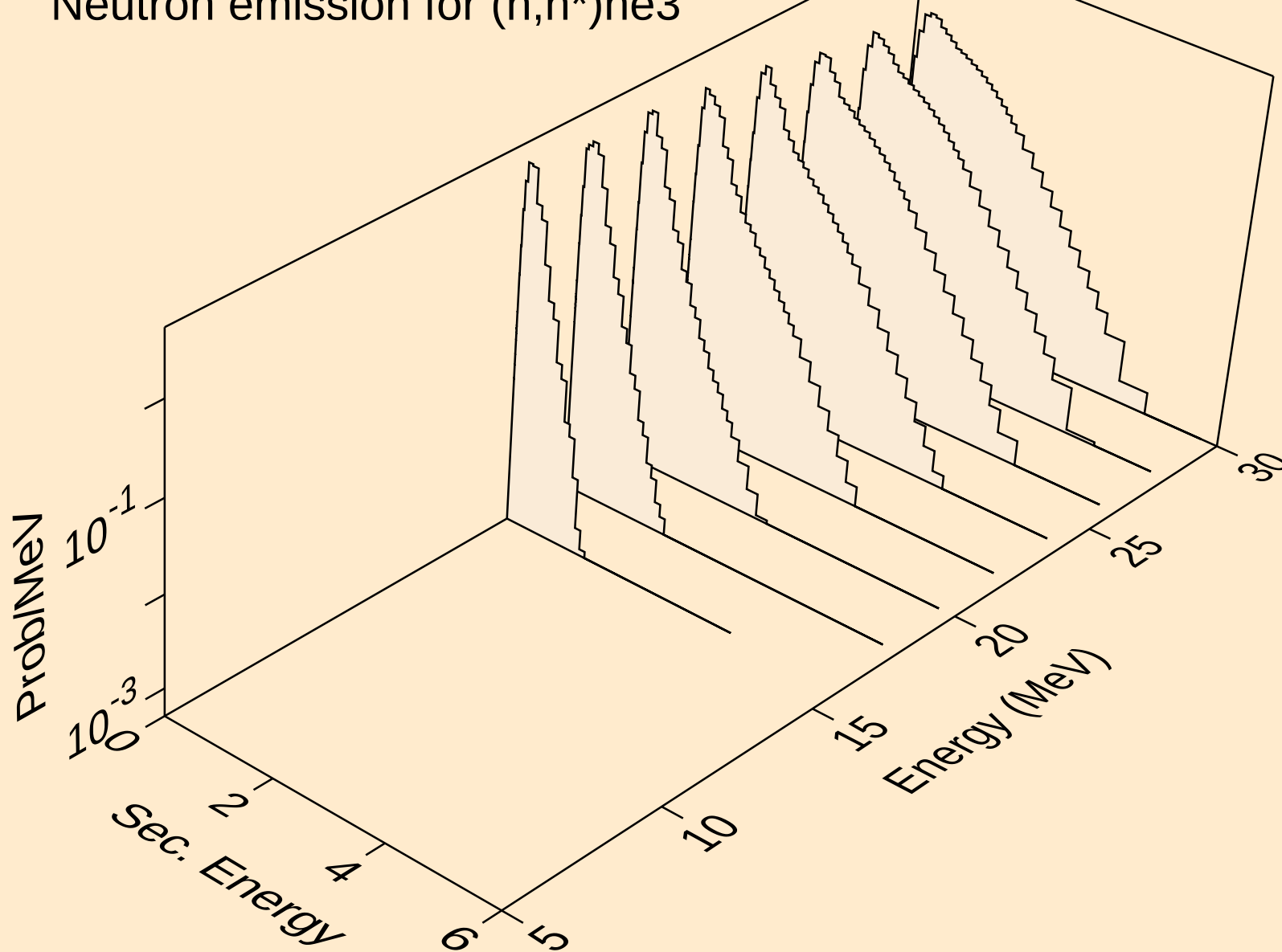
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Neutron emission for (n,n\*)d



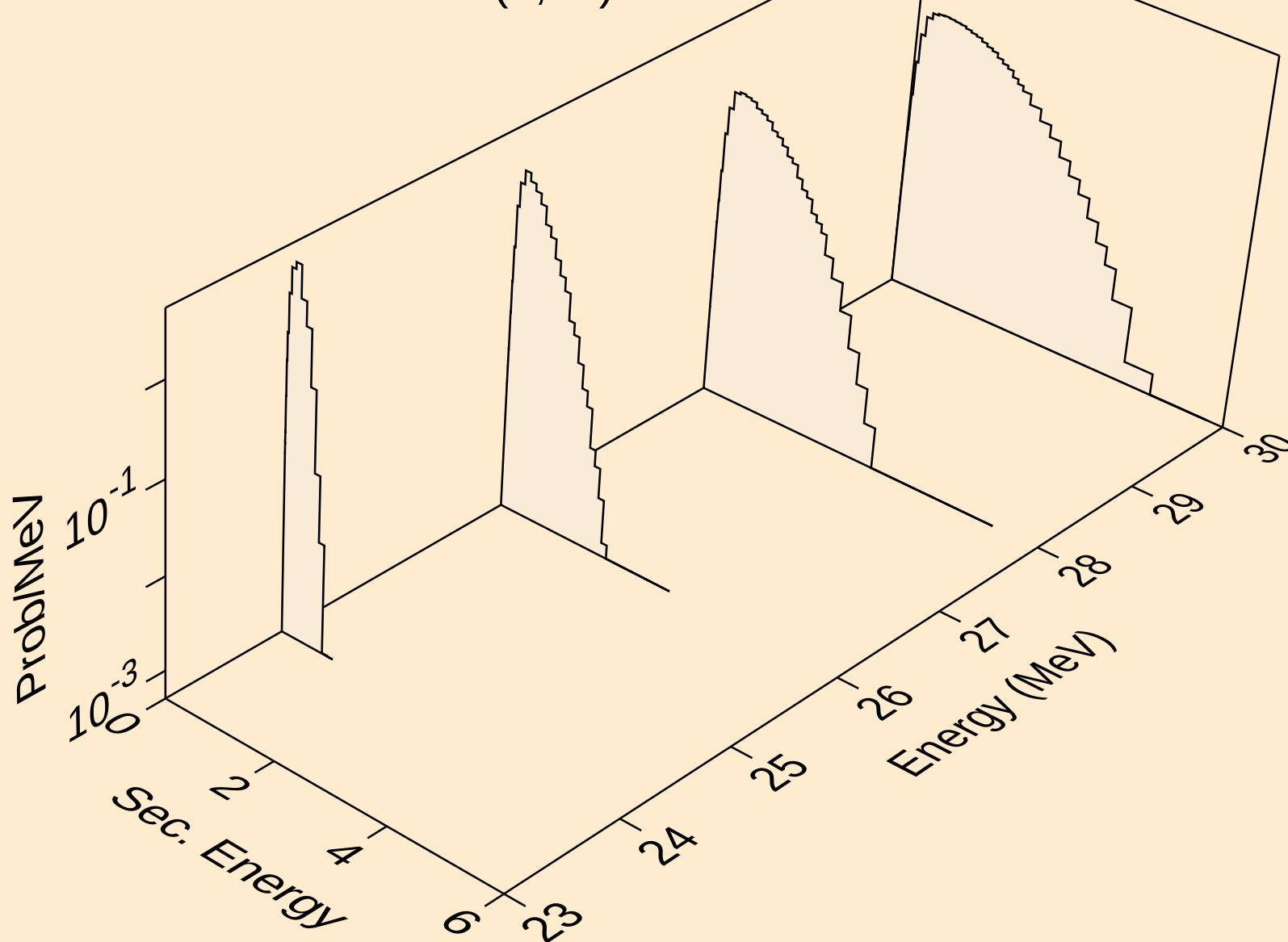
MD249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



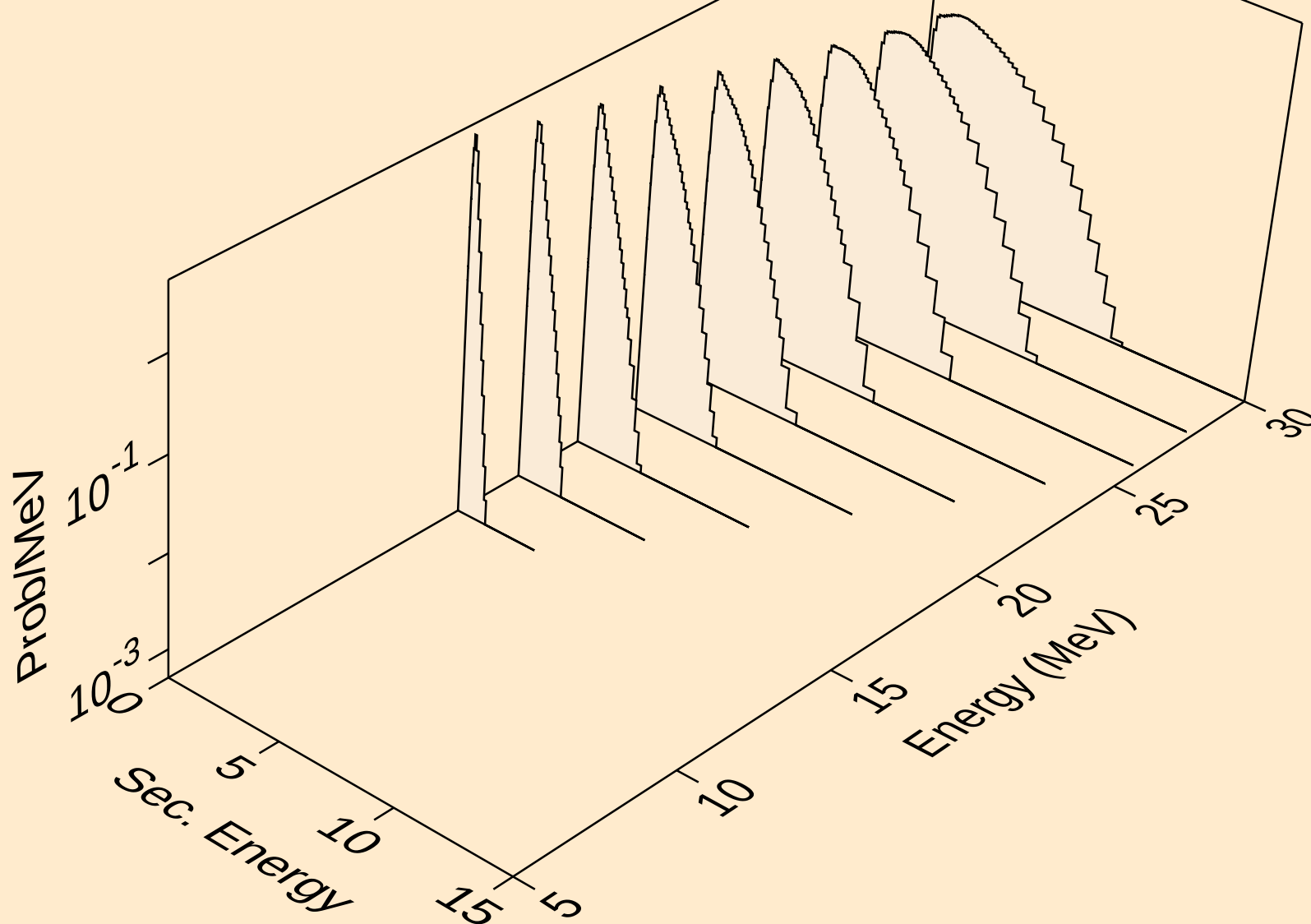
MD249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



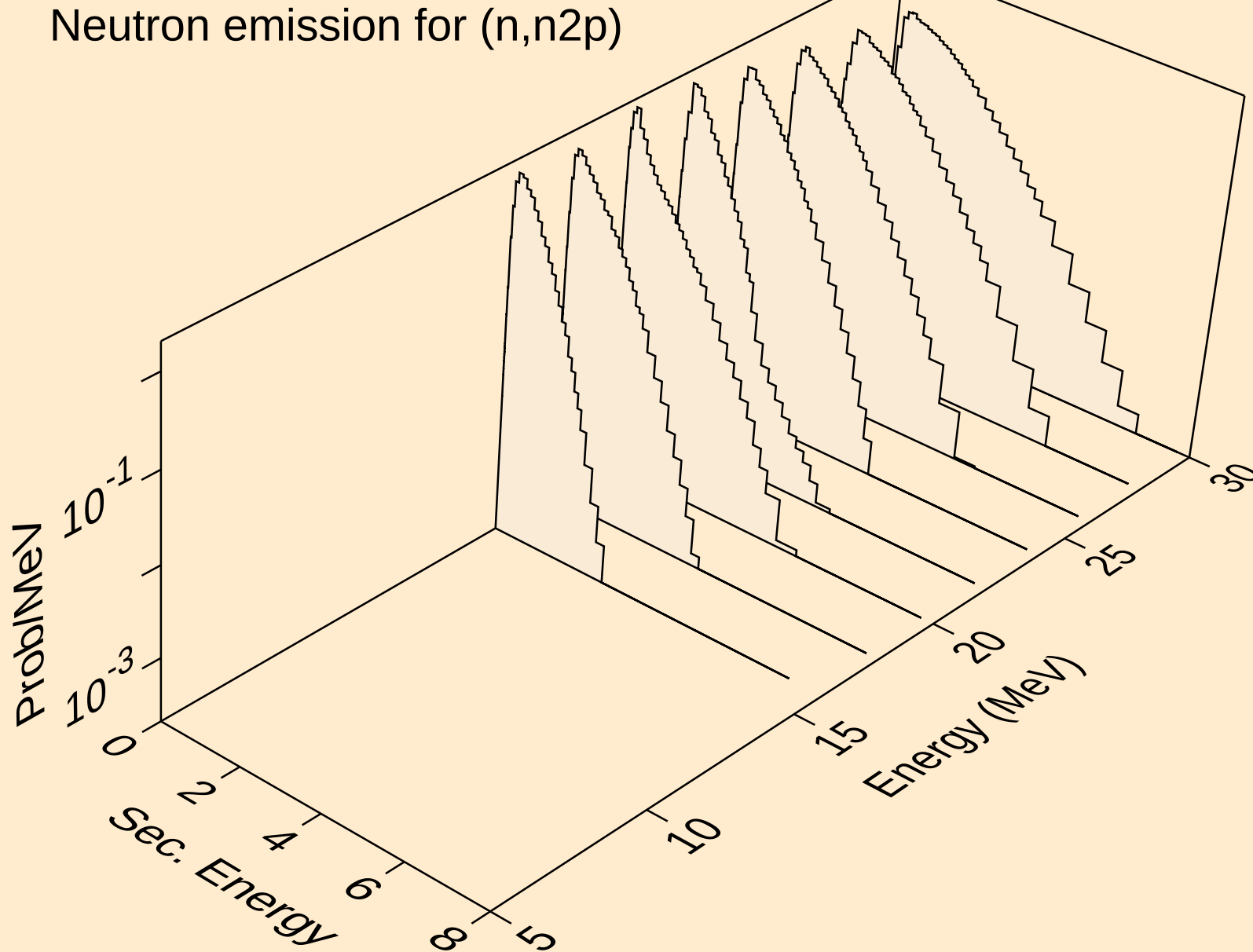
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Neutron emission for (n,4n)



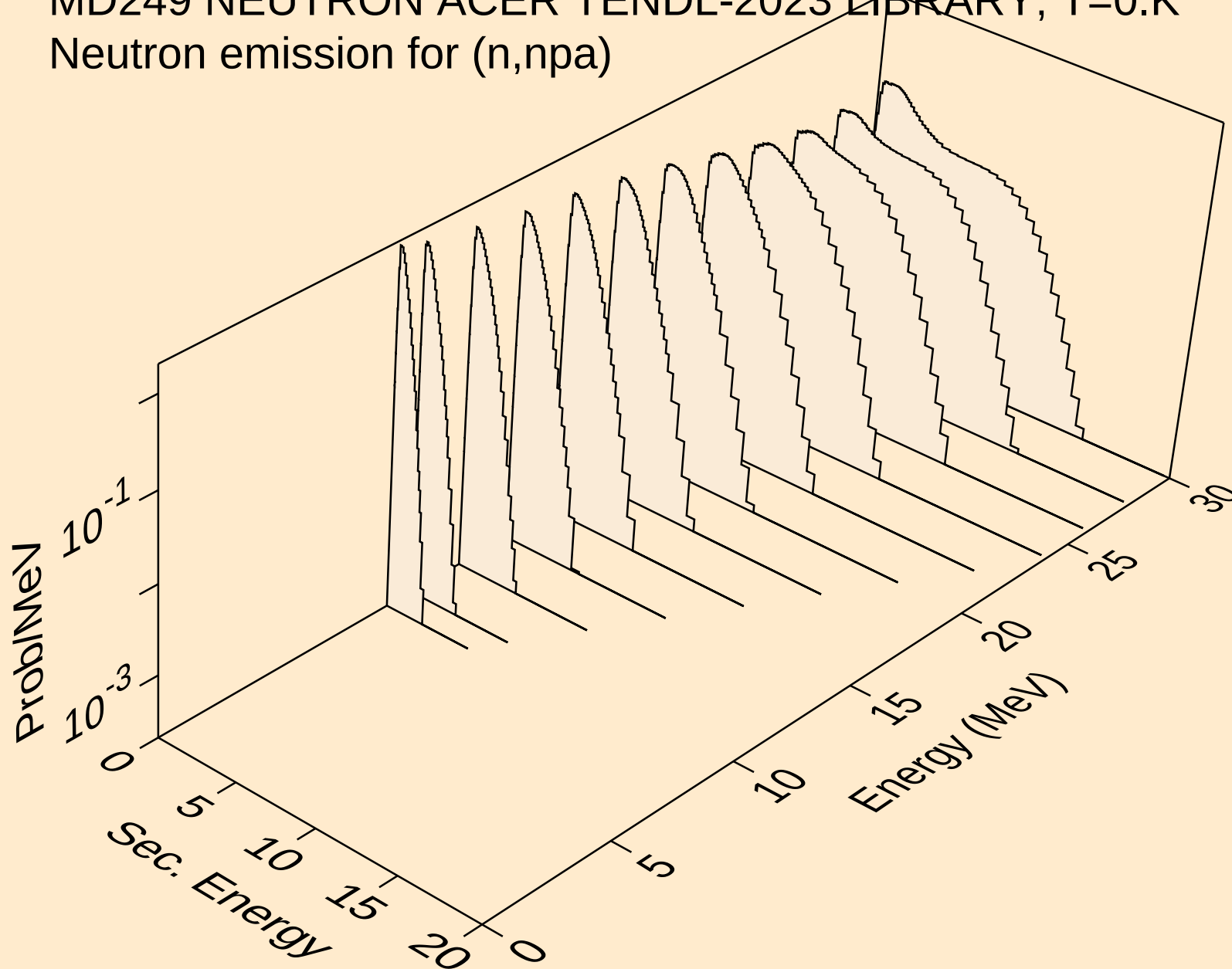
MD249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2np)



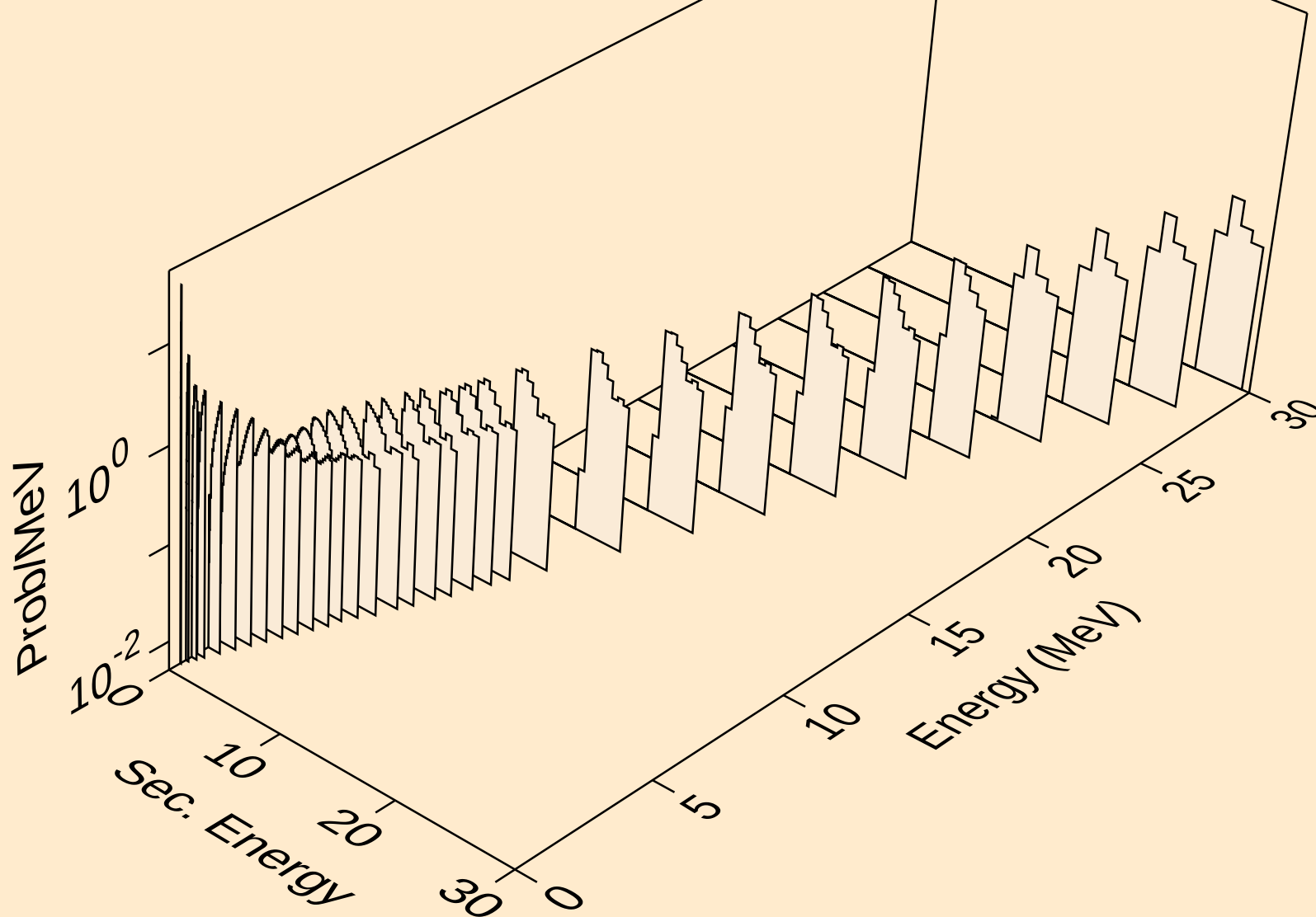
MD249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n2p)



MD249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,npa)

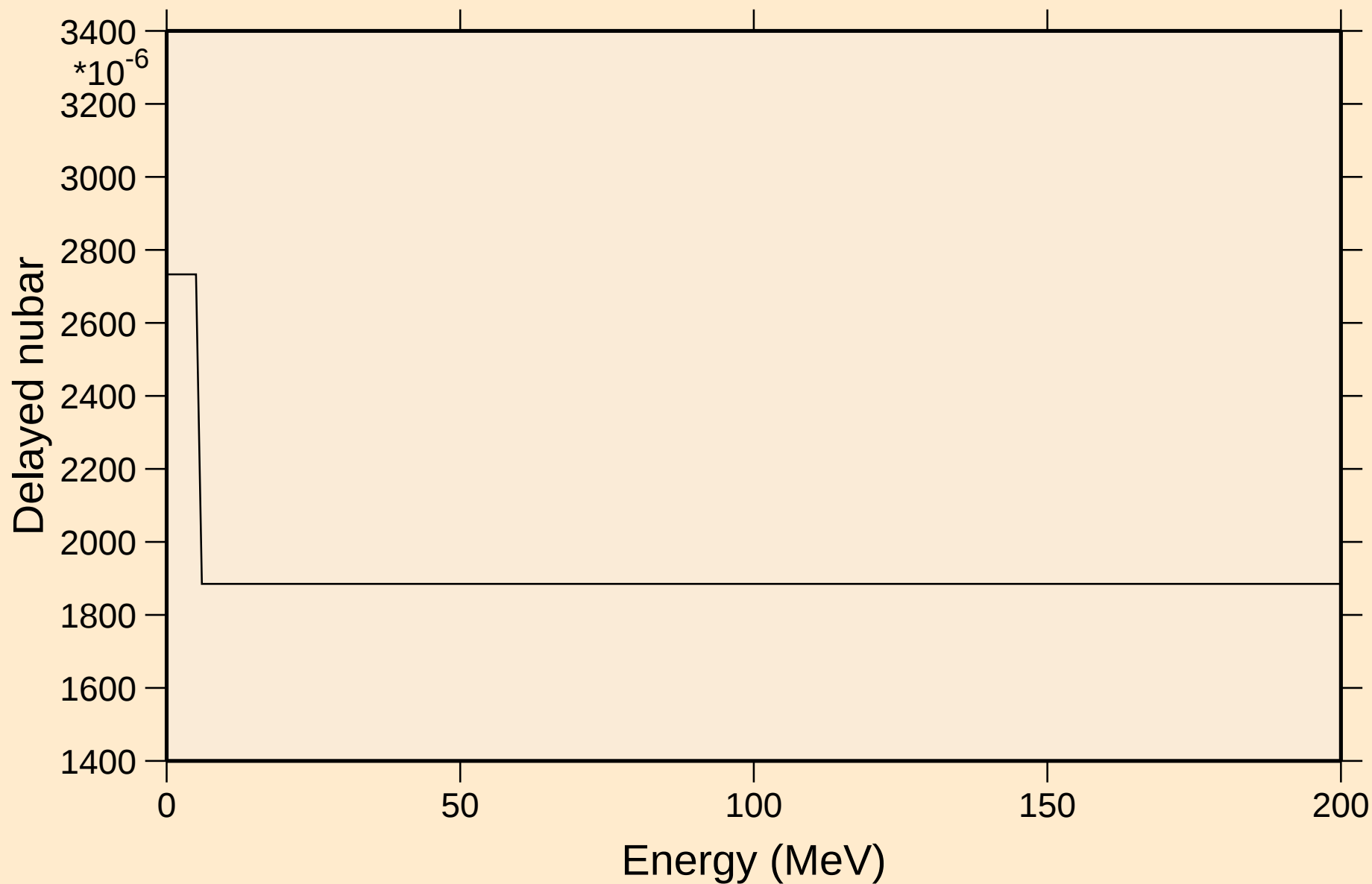


MD249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)



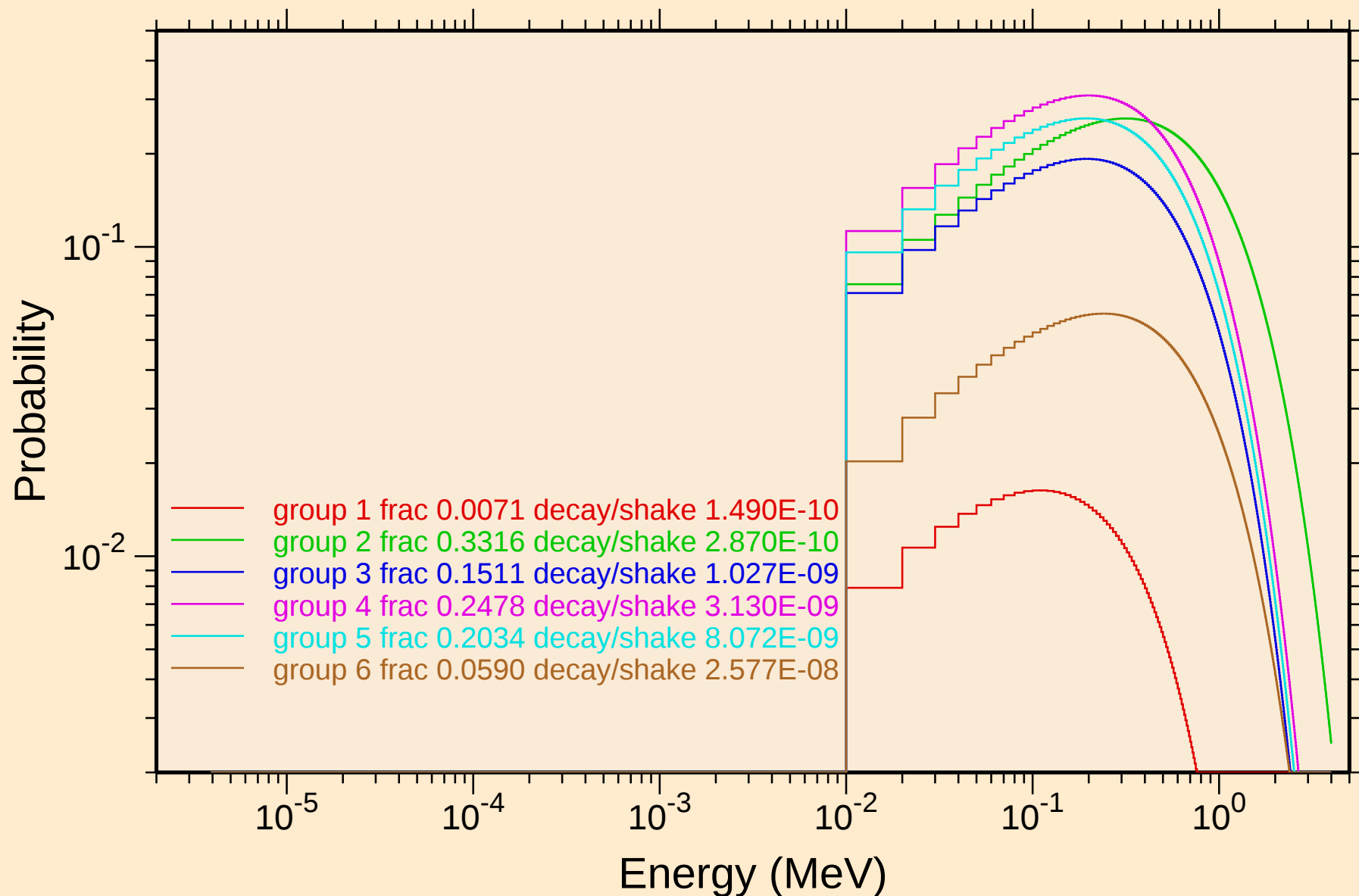
# MD249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Delayed nubar

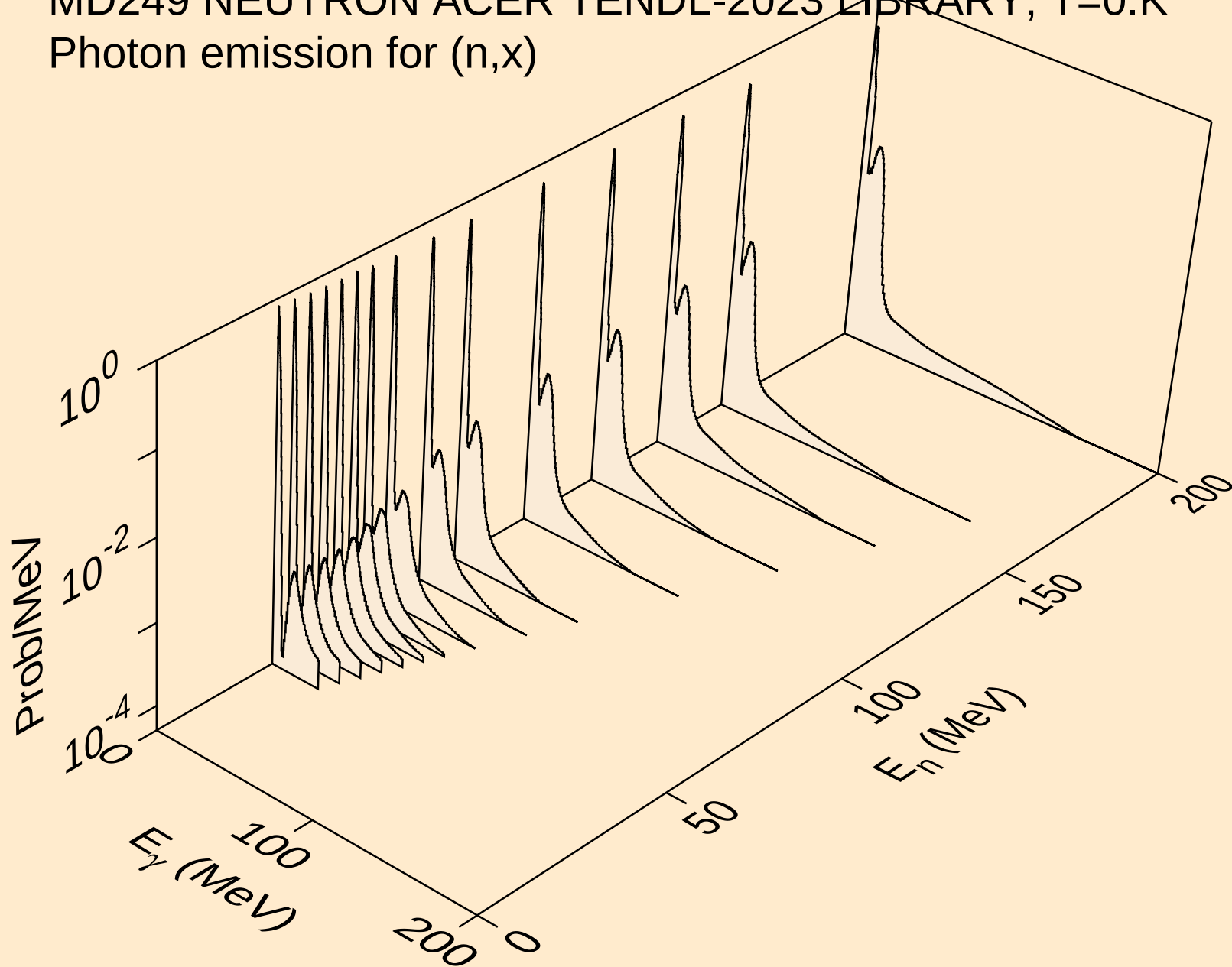


# MD249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

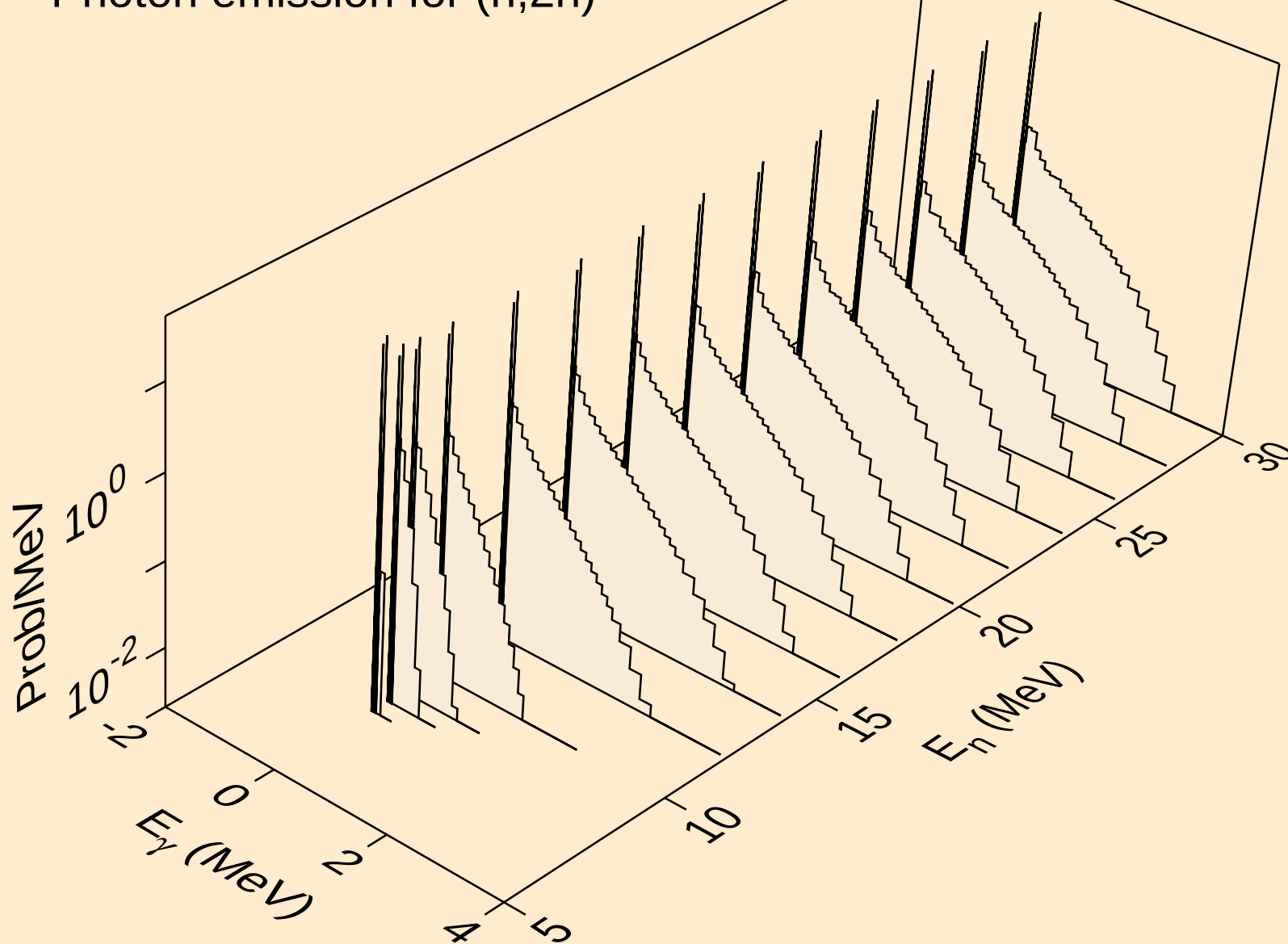
## Delayed neutron spectra



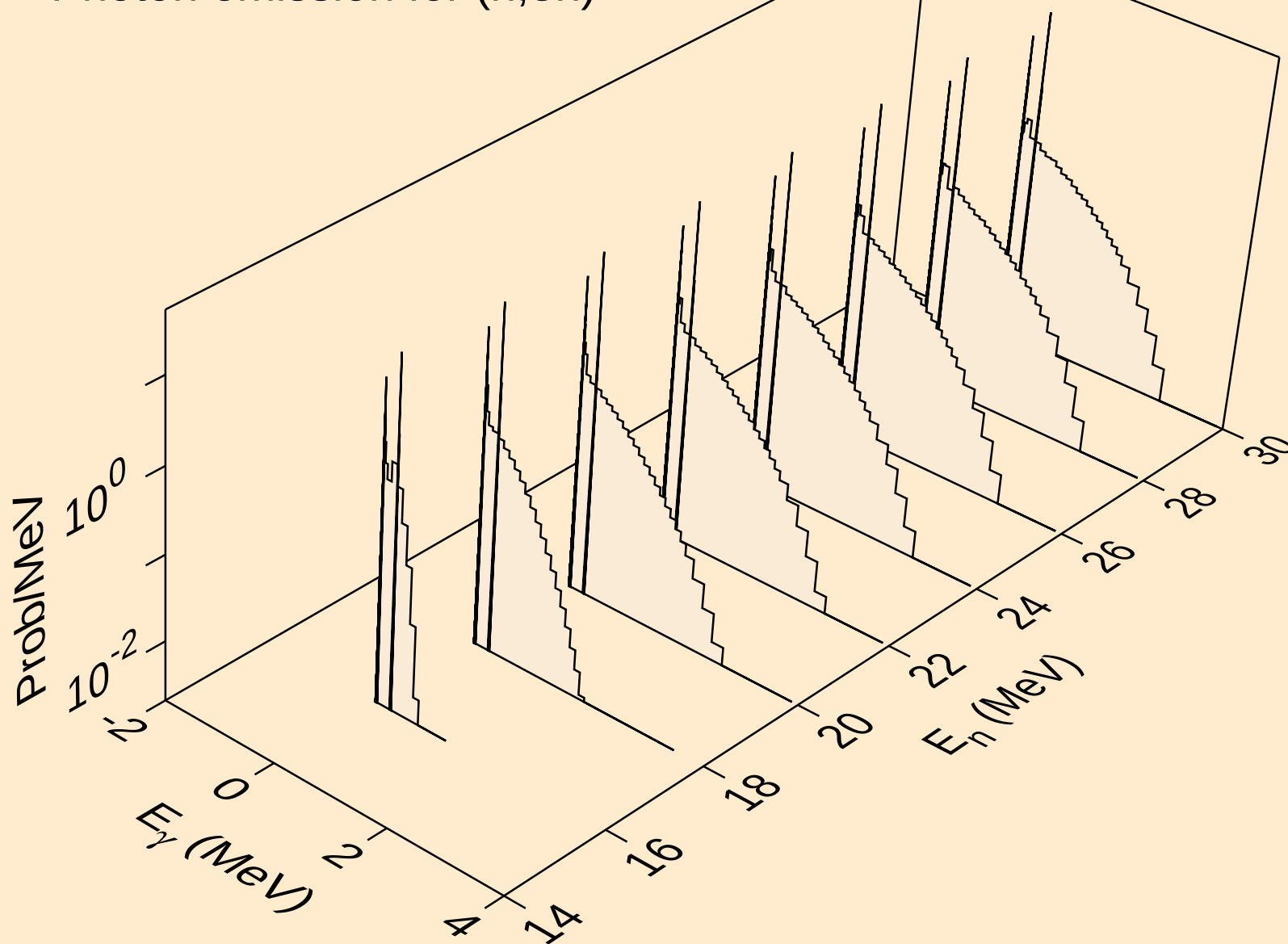
MD249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,x)



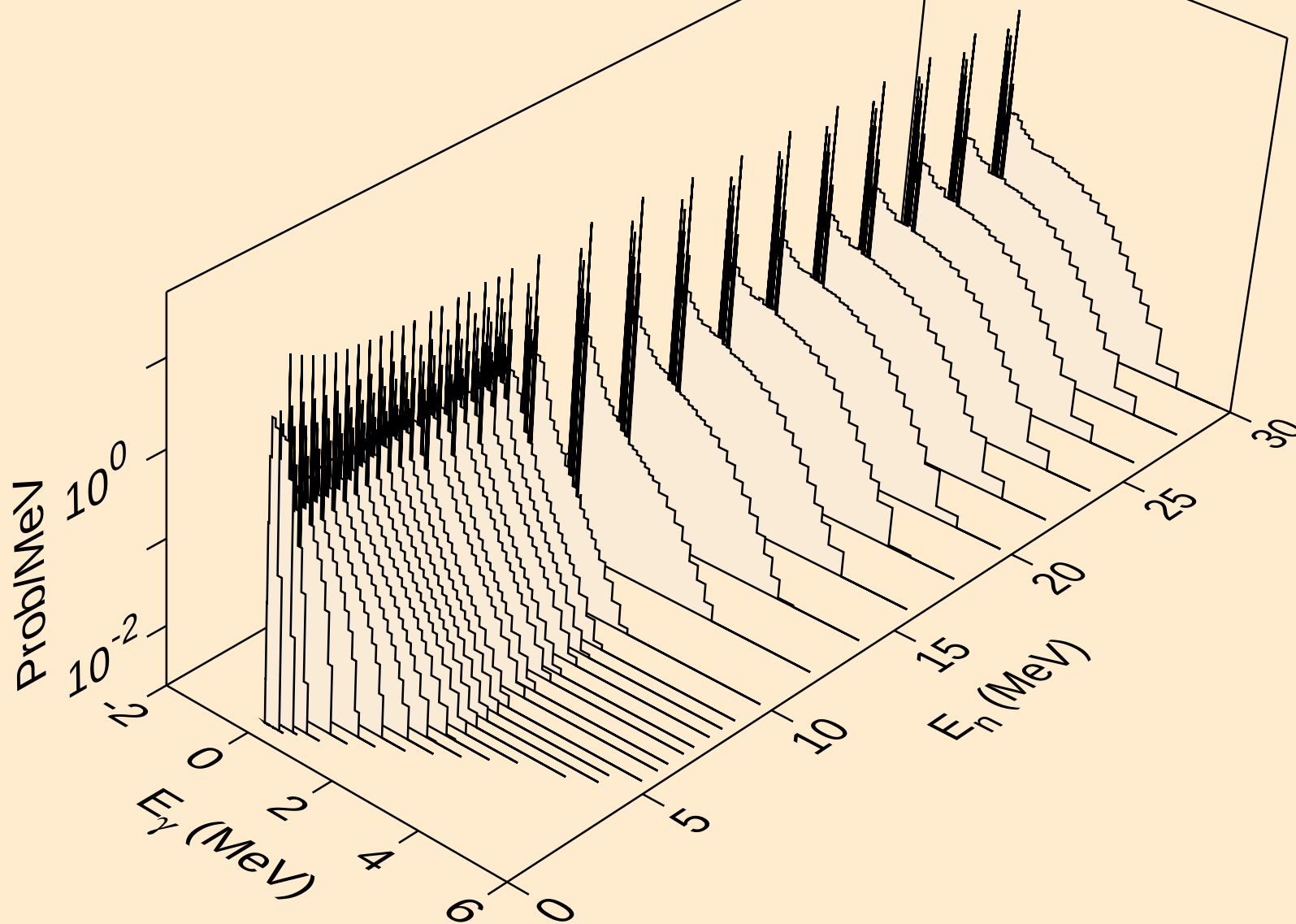
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Photon emission for (n,2n)



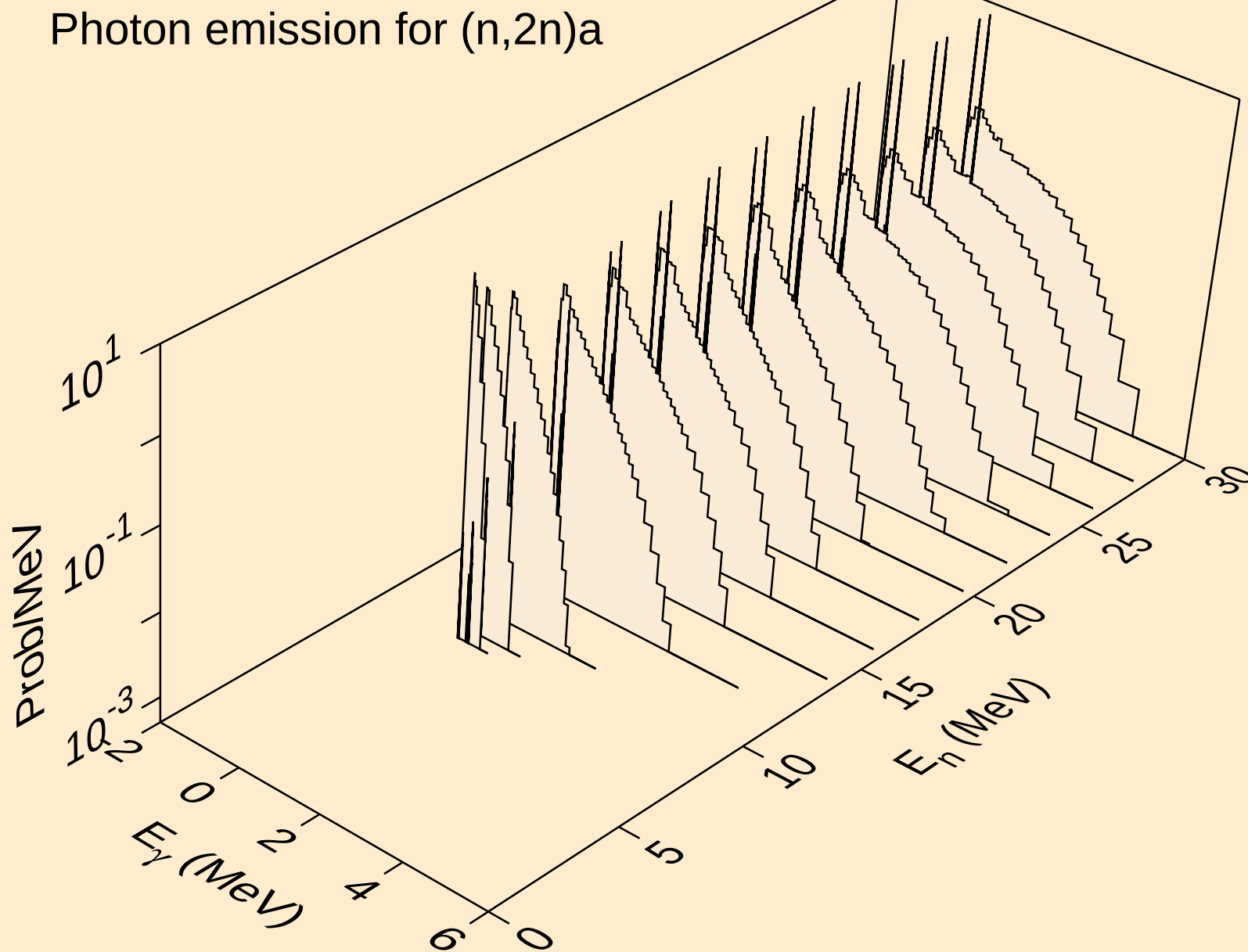
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Photon emission for (n,3n)



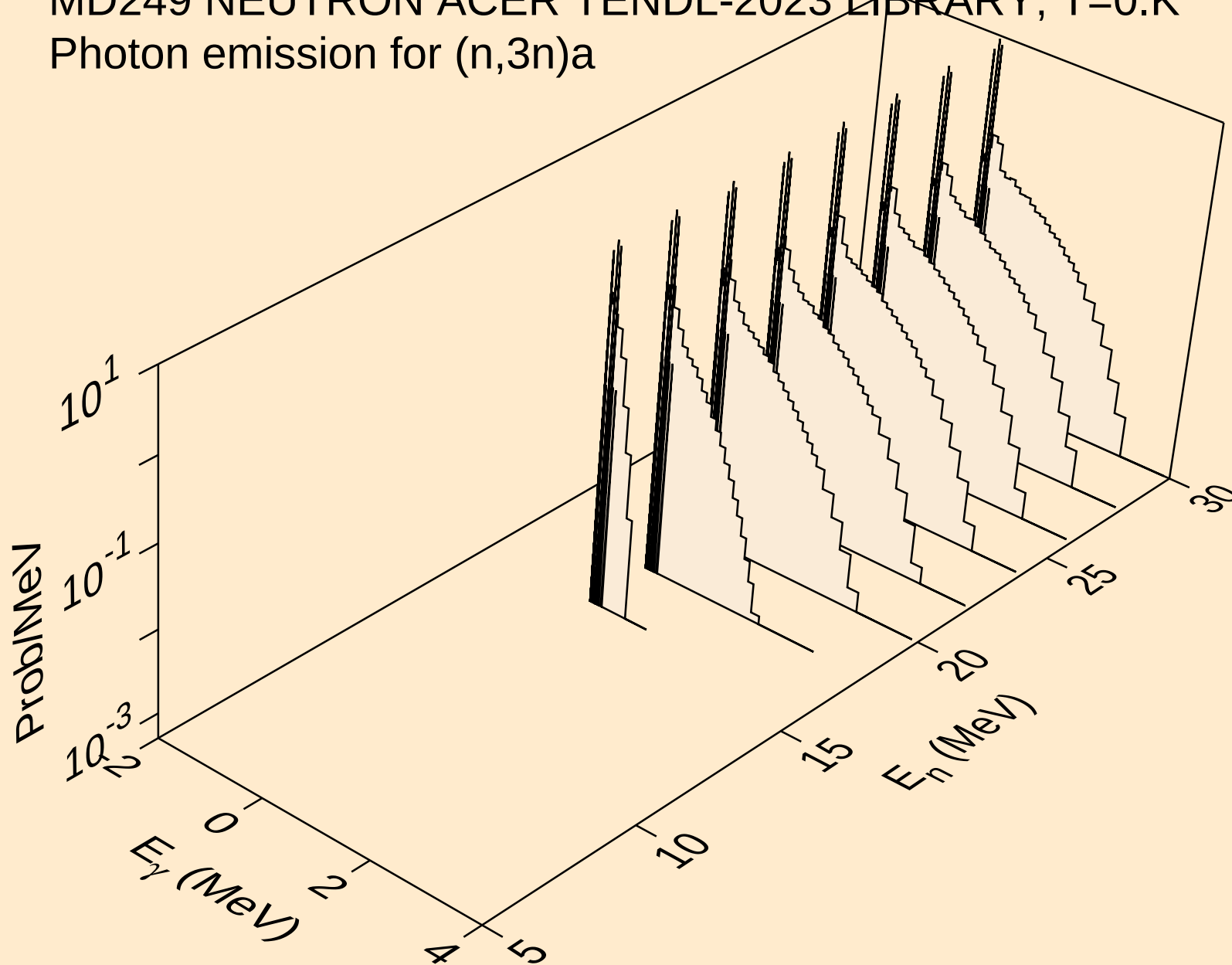
MD249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



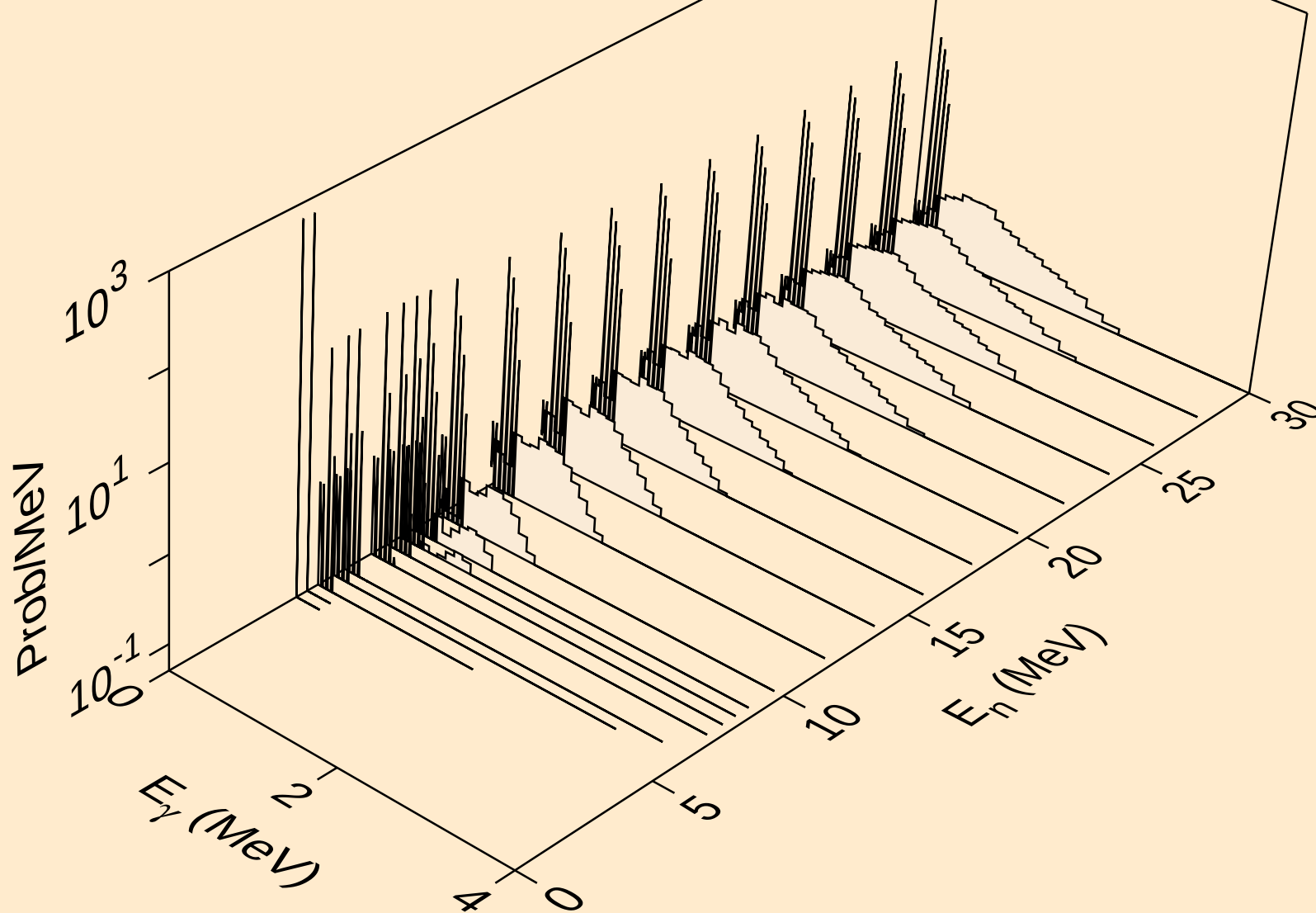
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Photon emission for (n,2n) $\alpha$



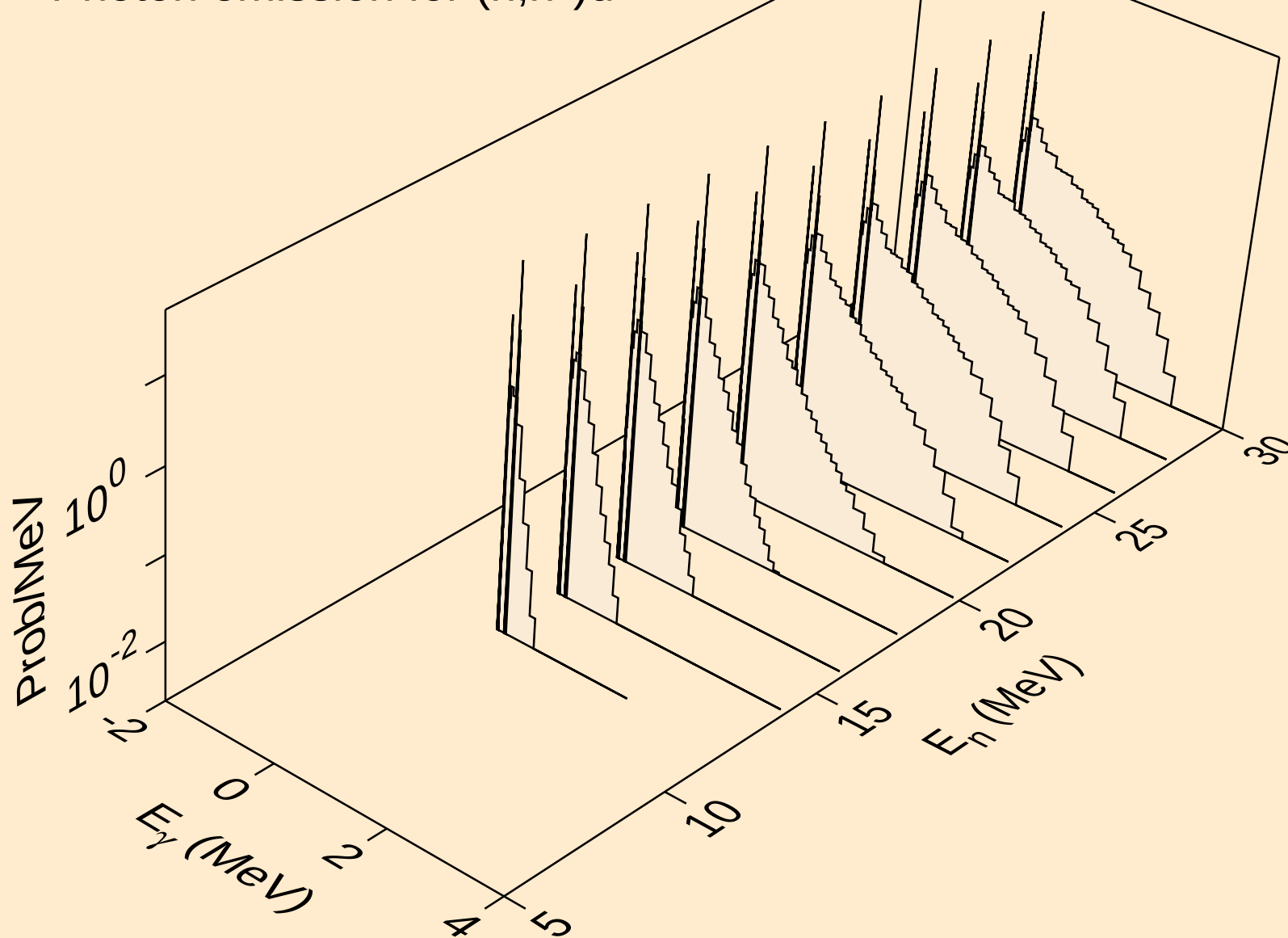
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Photon emission for (n,3n) $\alpha$



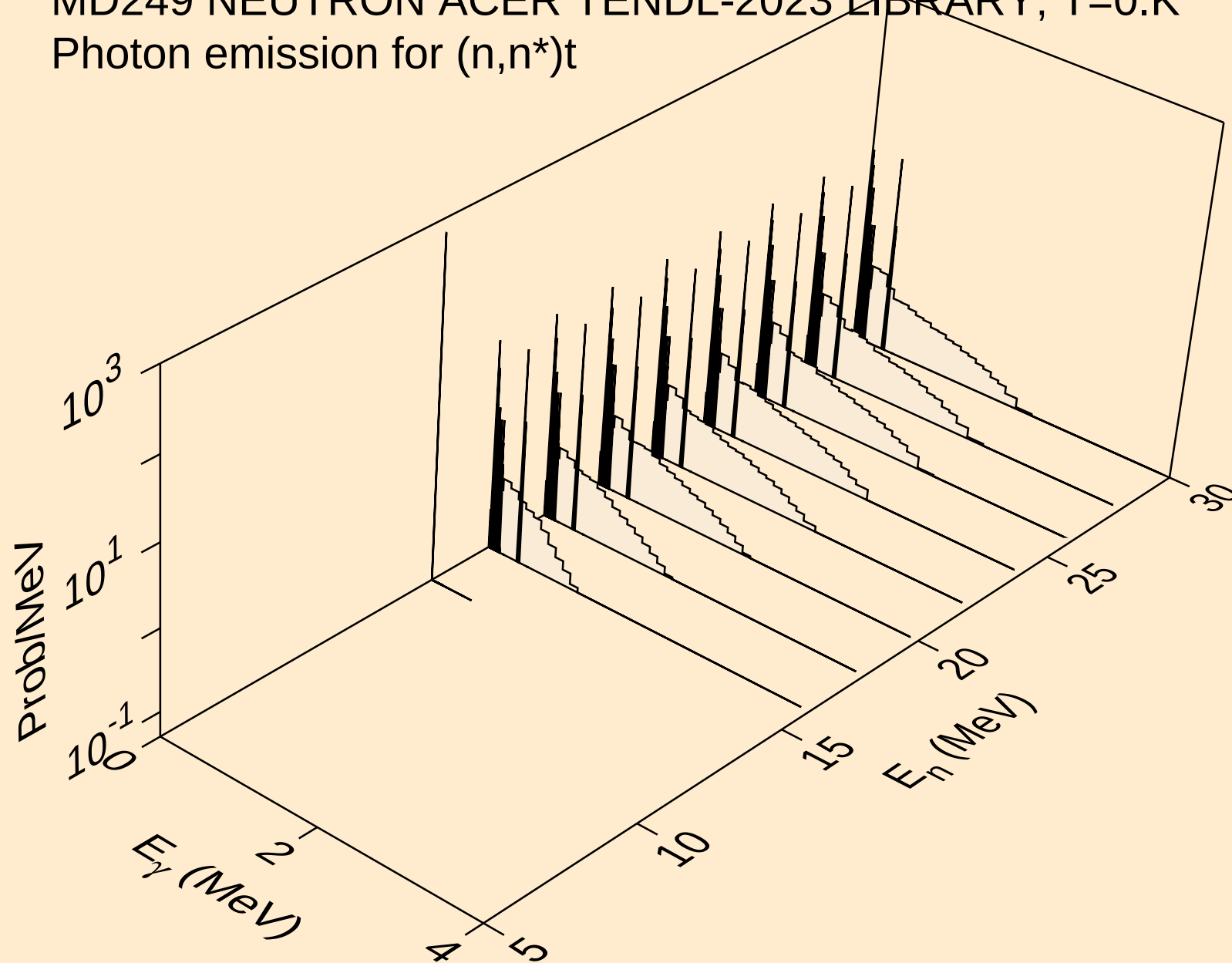
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Photon emission for (n,n\*)p



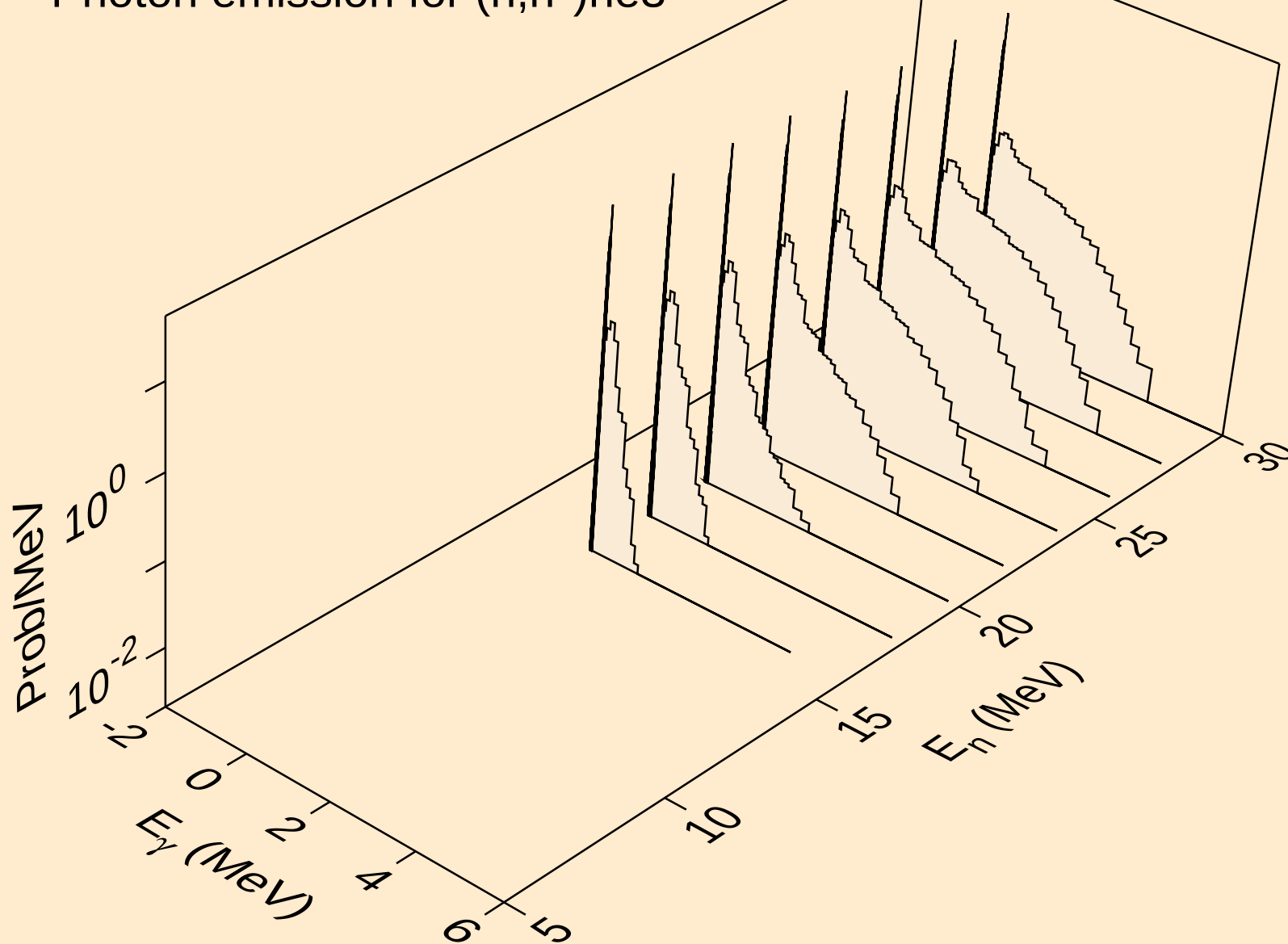
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Photon emission for (n,n\*)d



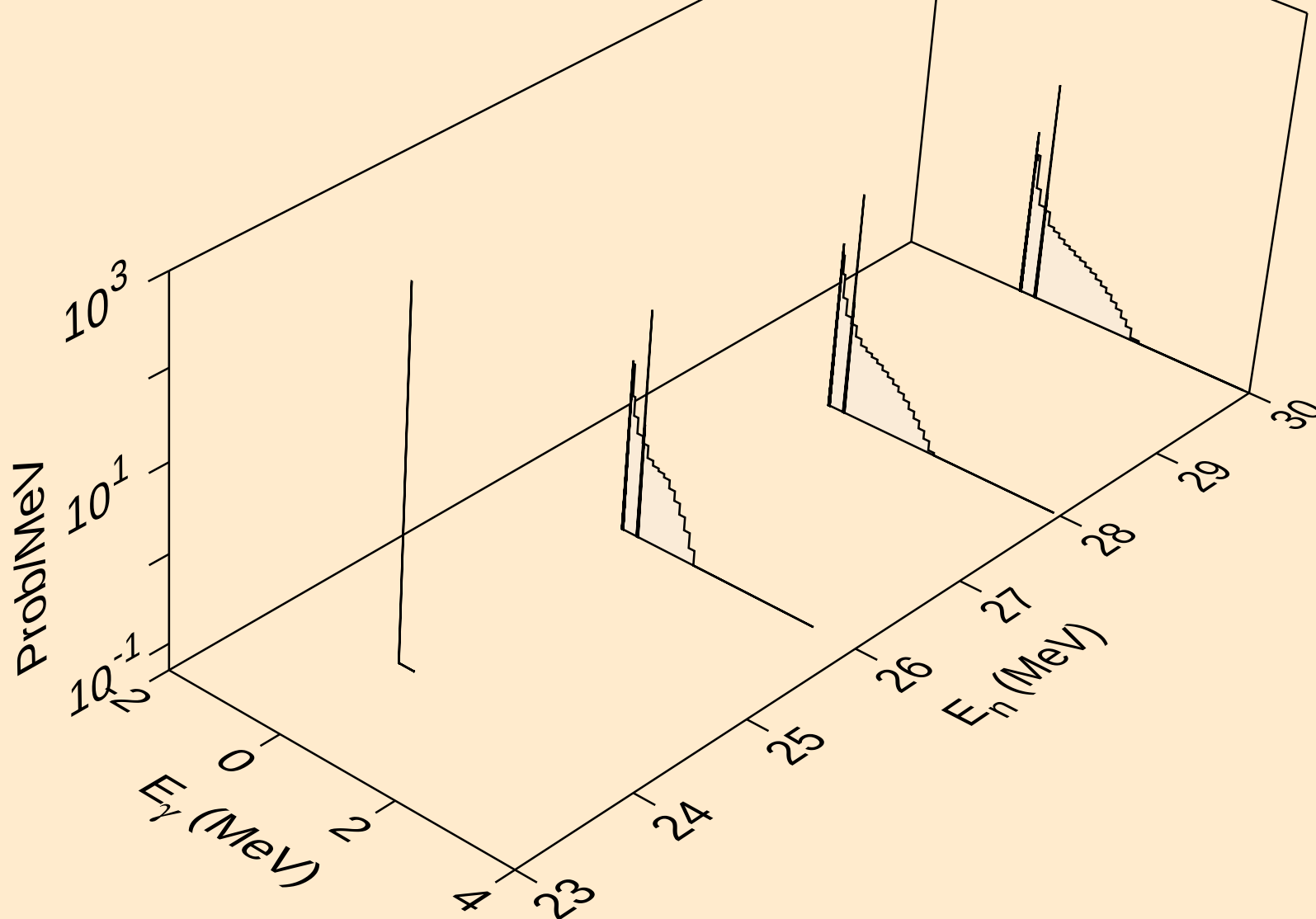
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Photon emission for (n,n\*)t



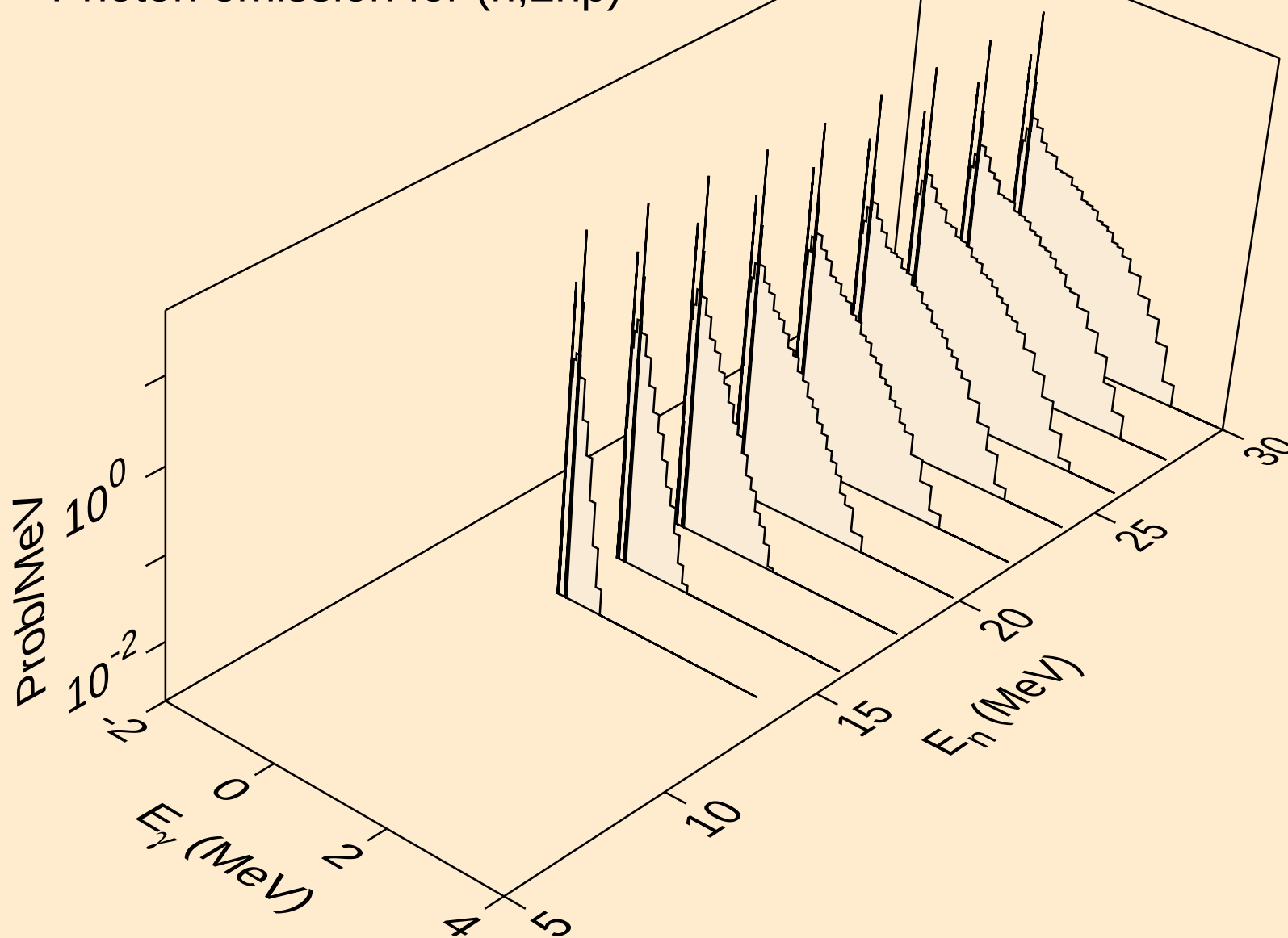
MD249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



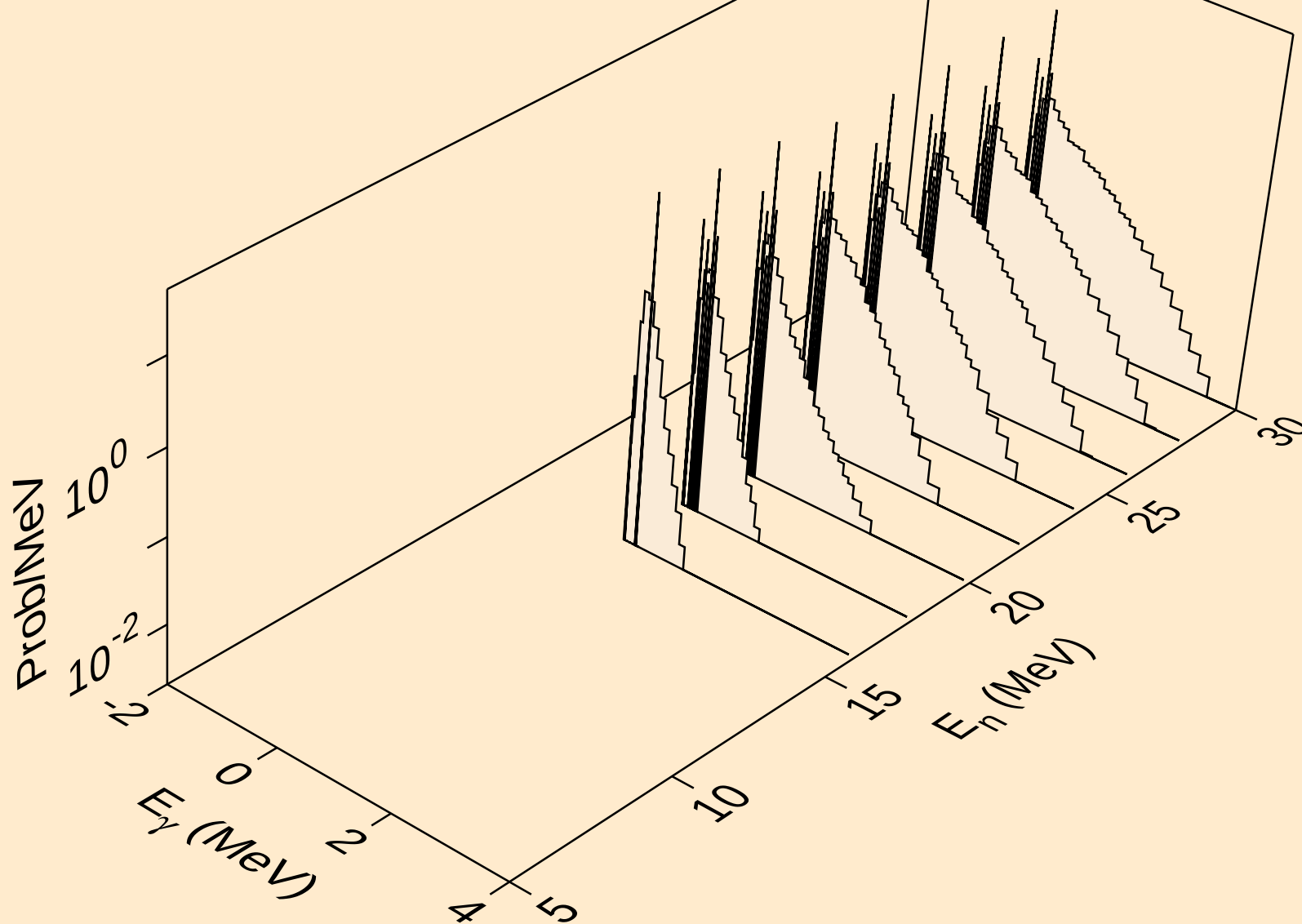
MD249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,4n)



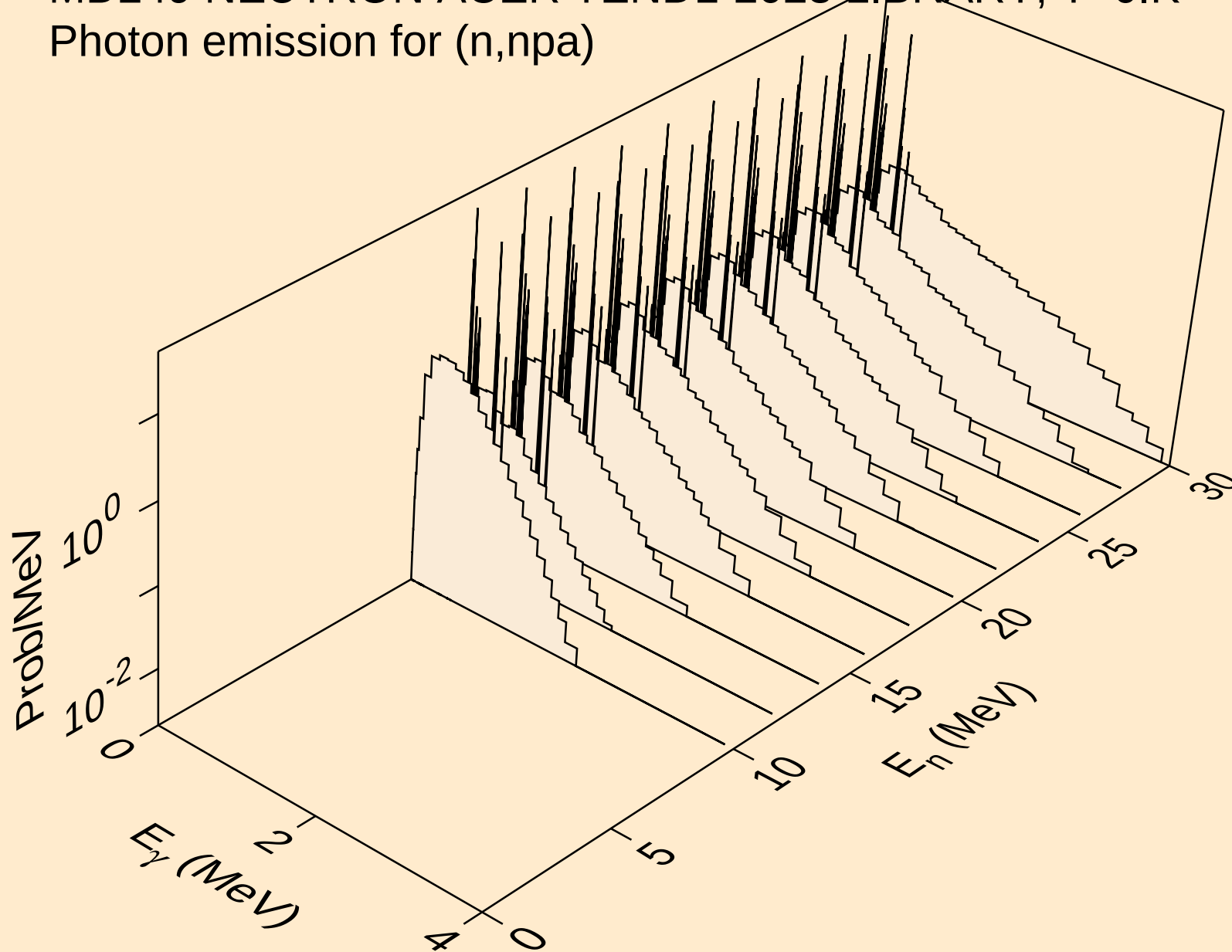
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Photon emission for (n,2np)



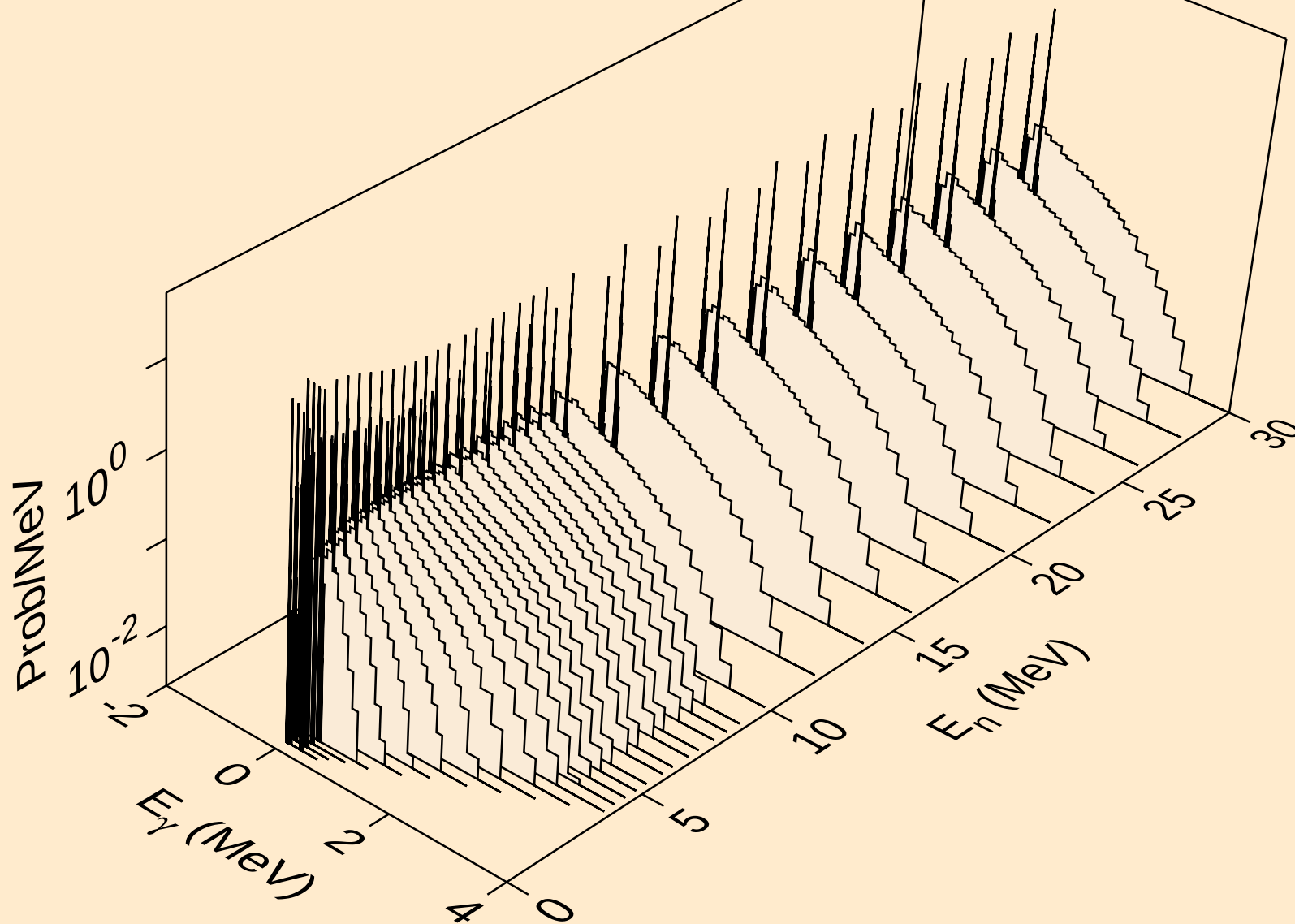
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Photon emission for (n,n2p)



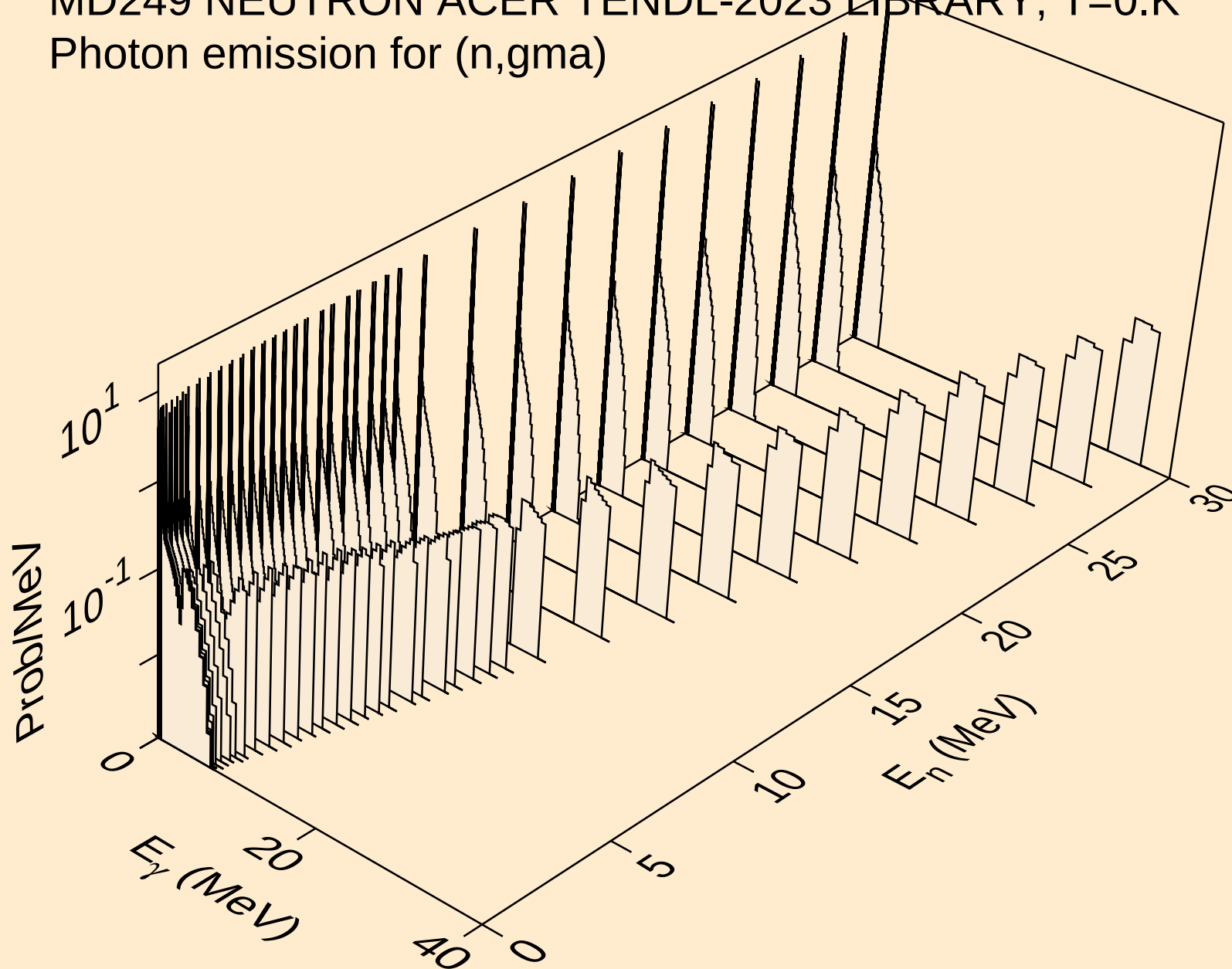
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Photon emission for (n,npa)



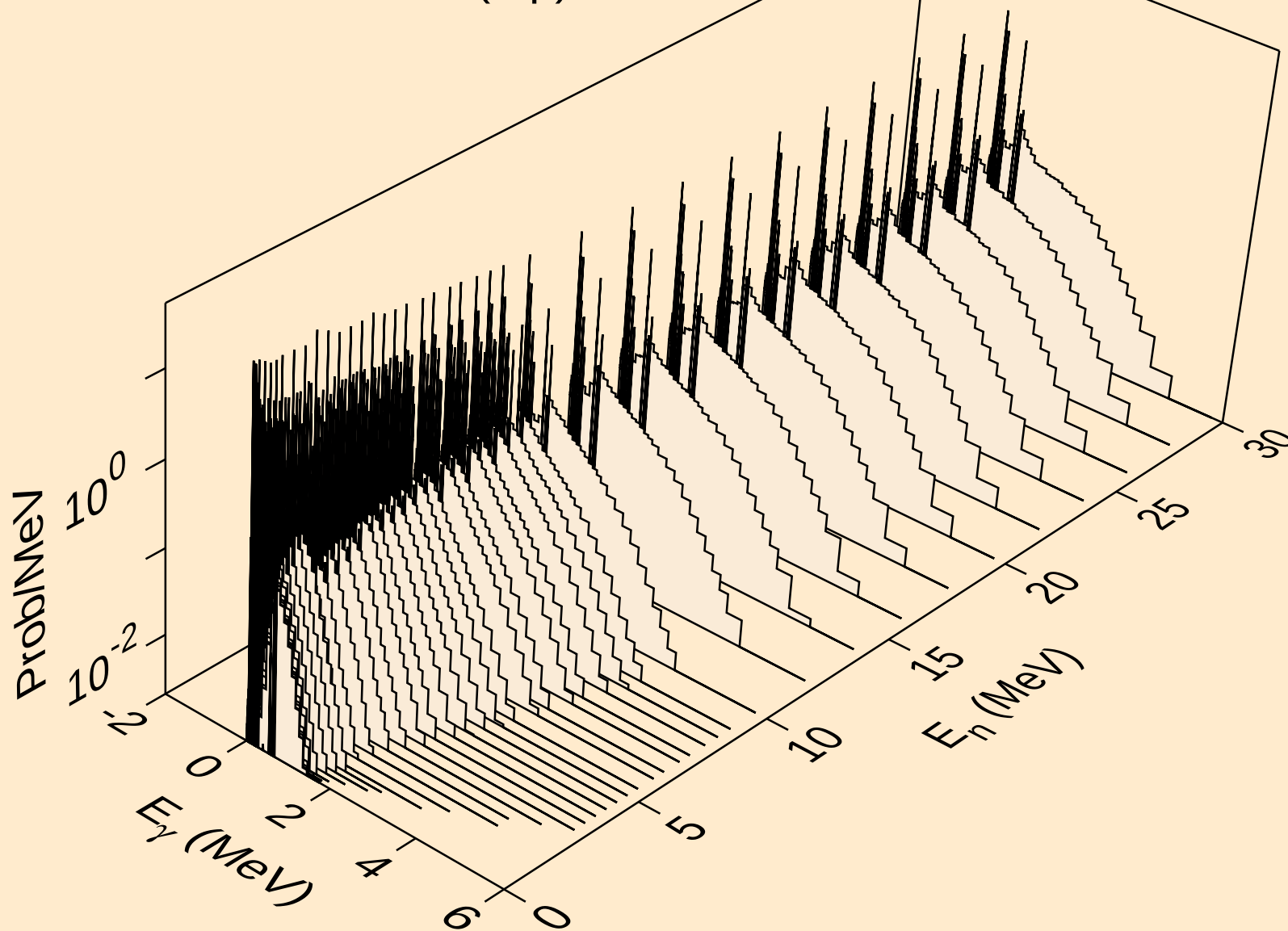
MD249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*c)



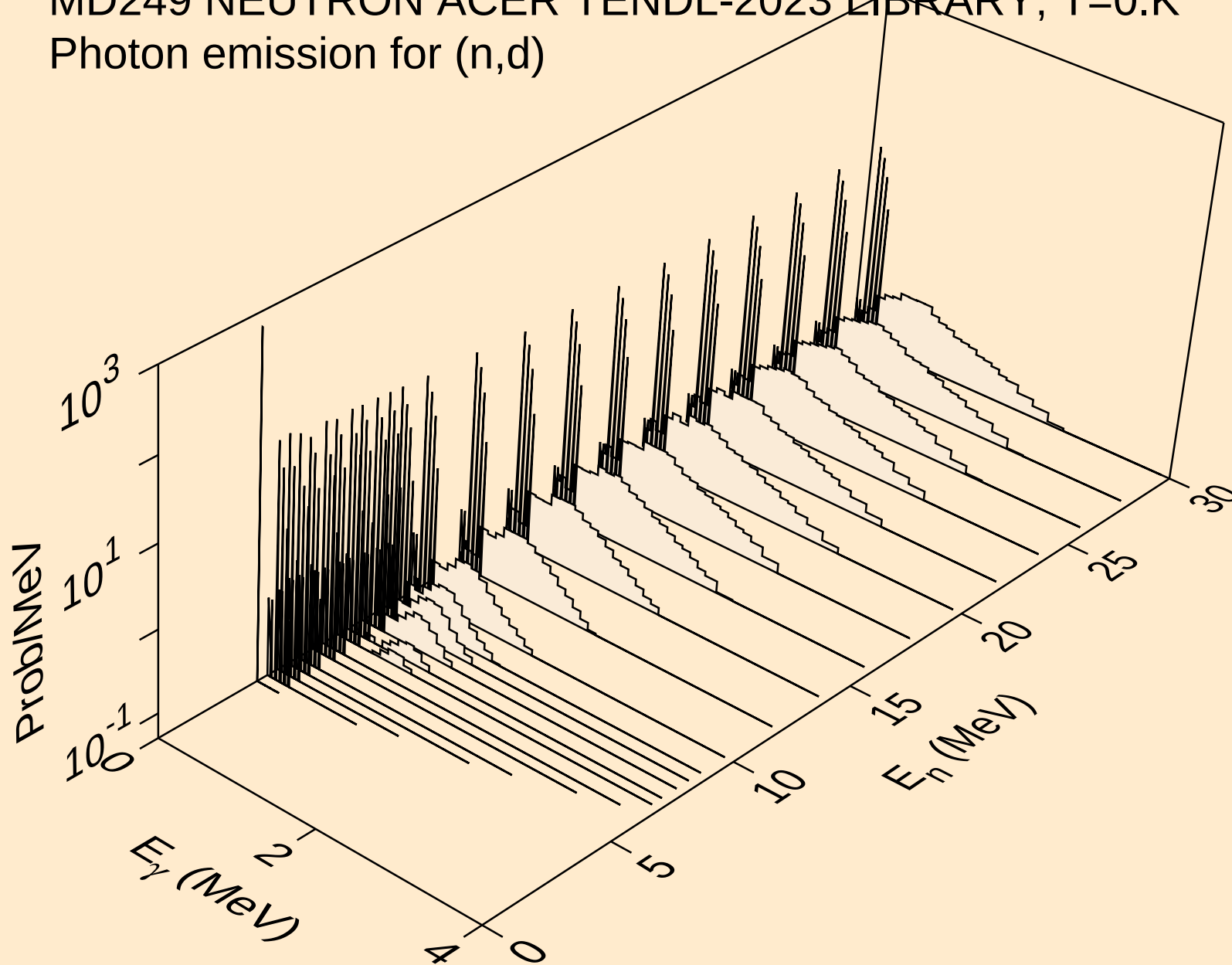
MD249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)



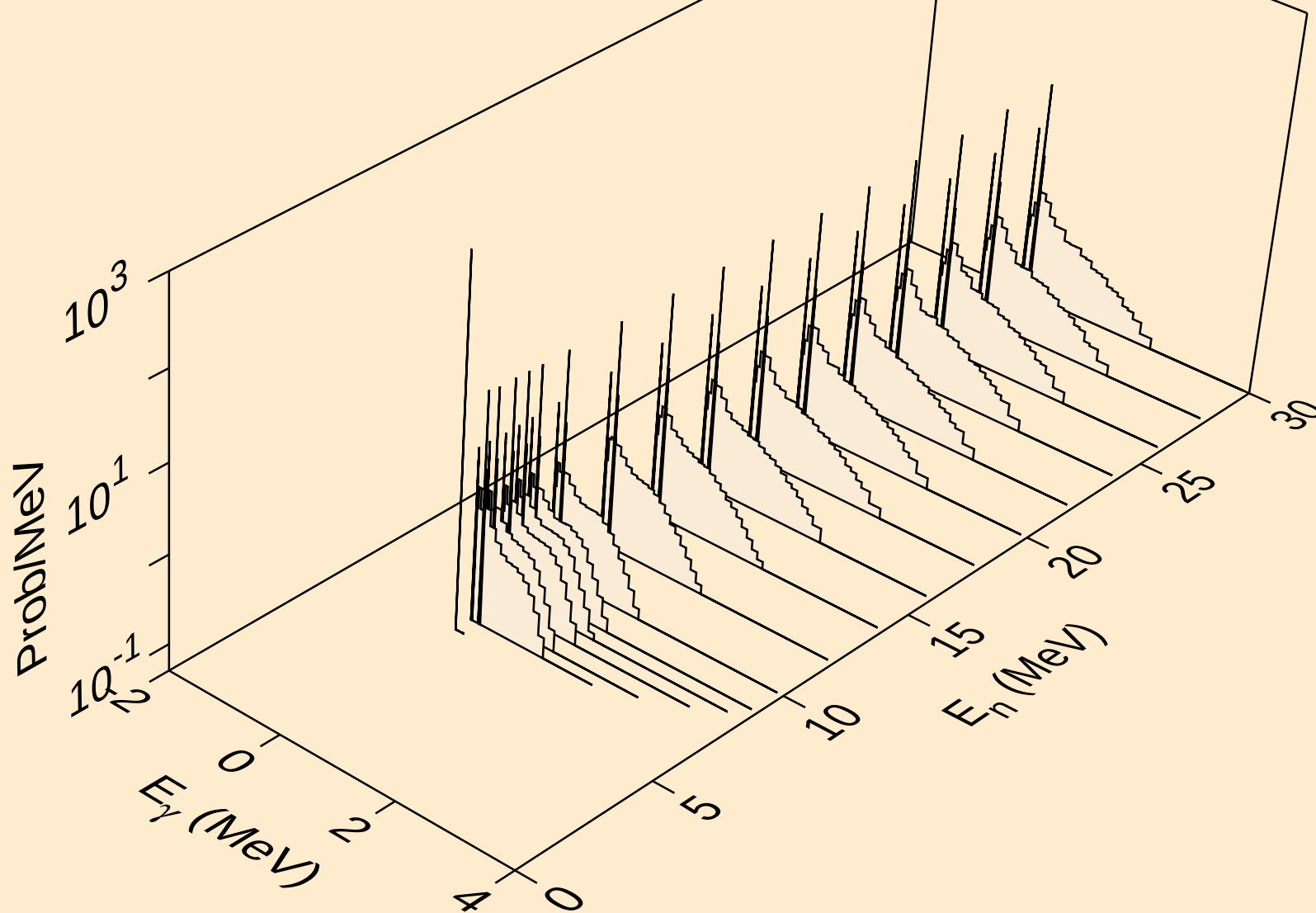
MD249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)



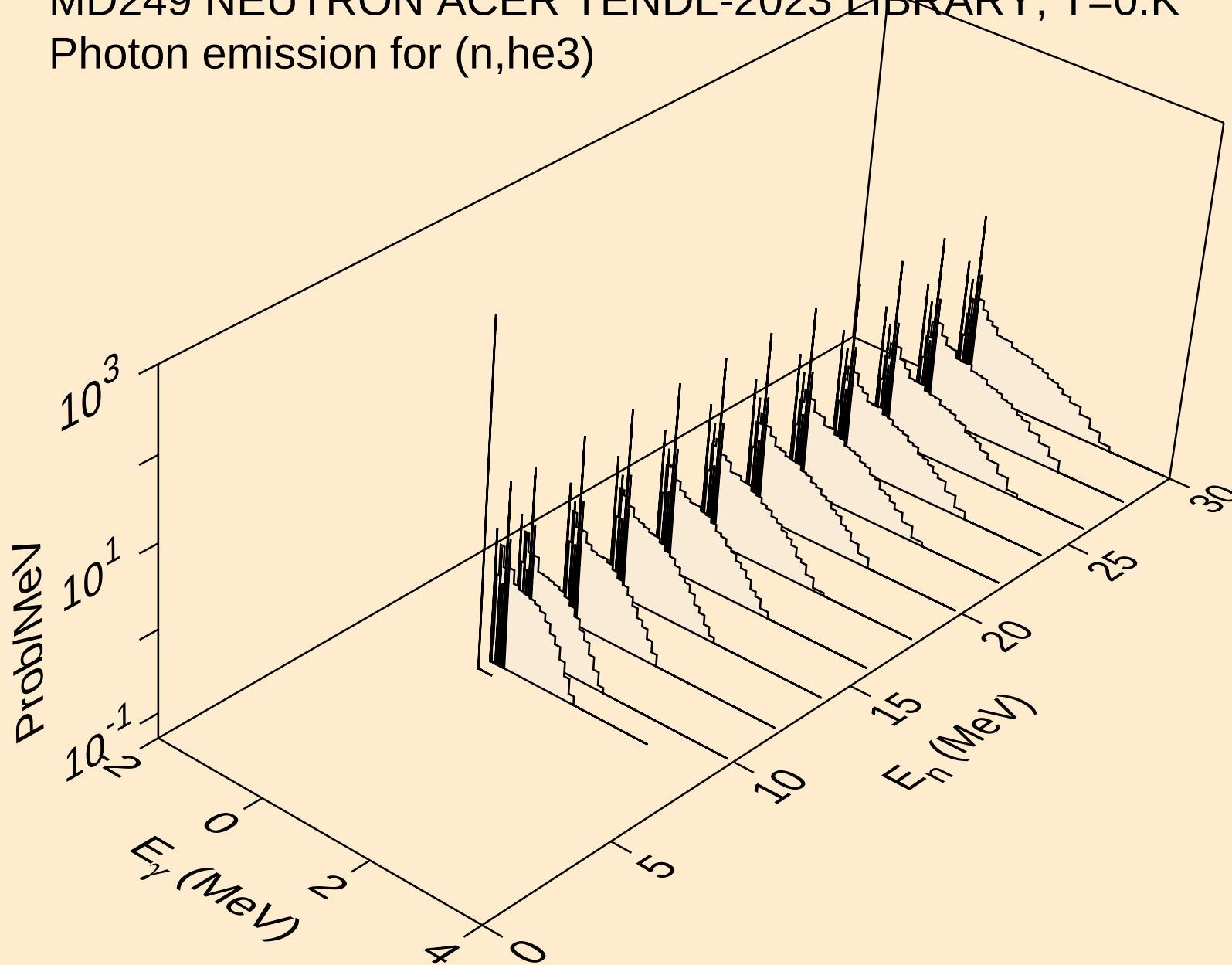
MD249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)



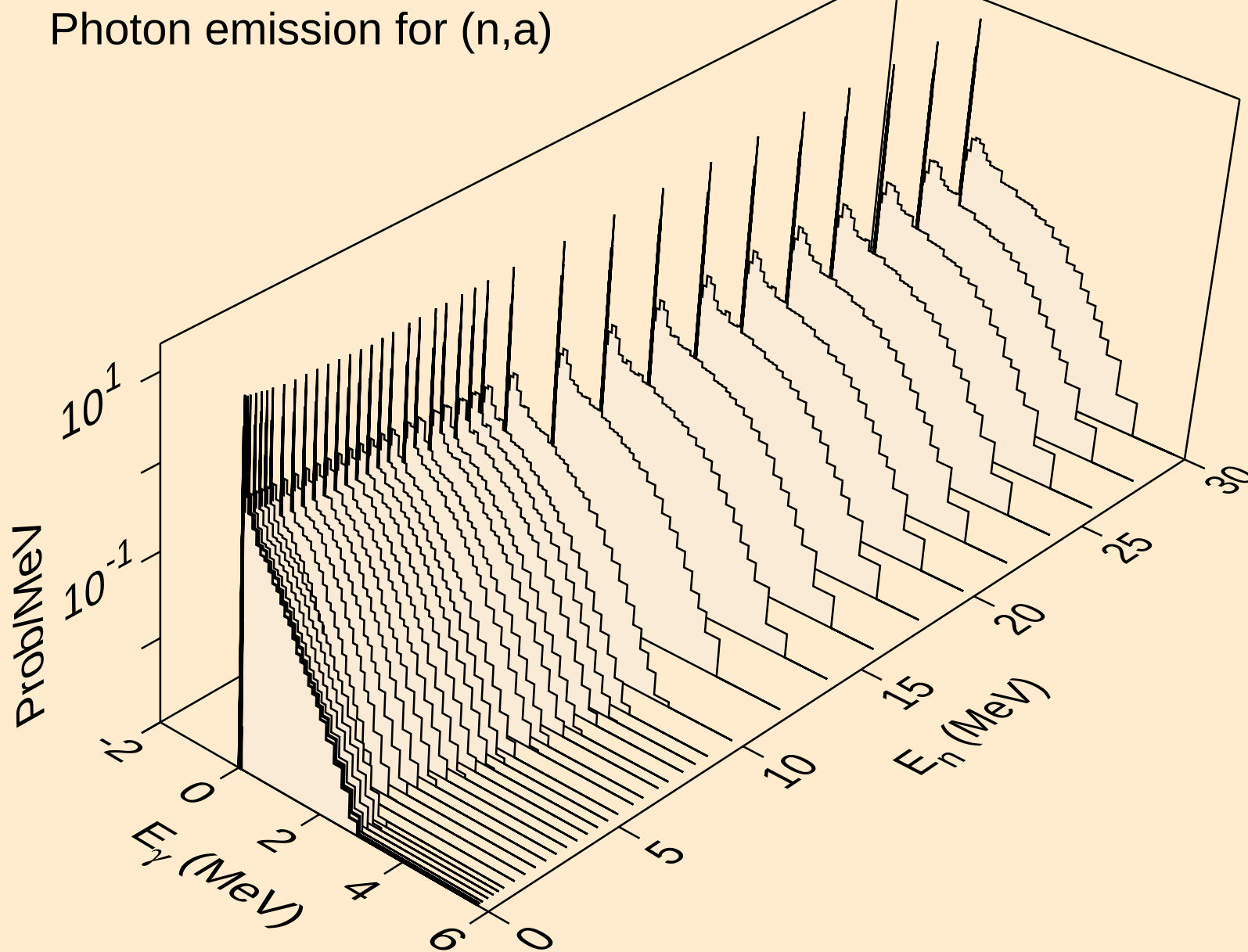
MD249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)



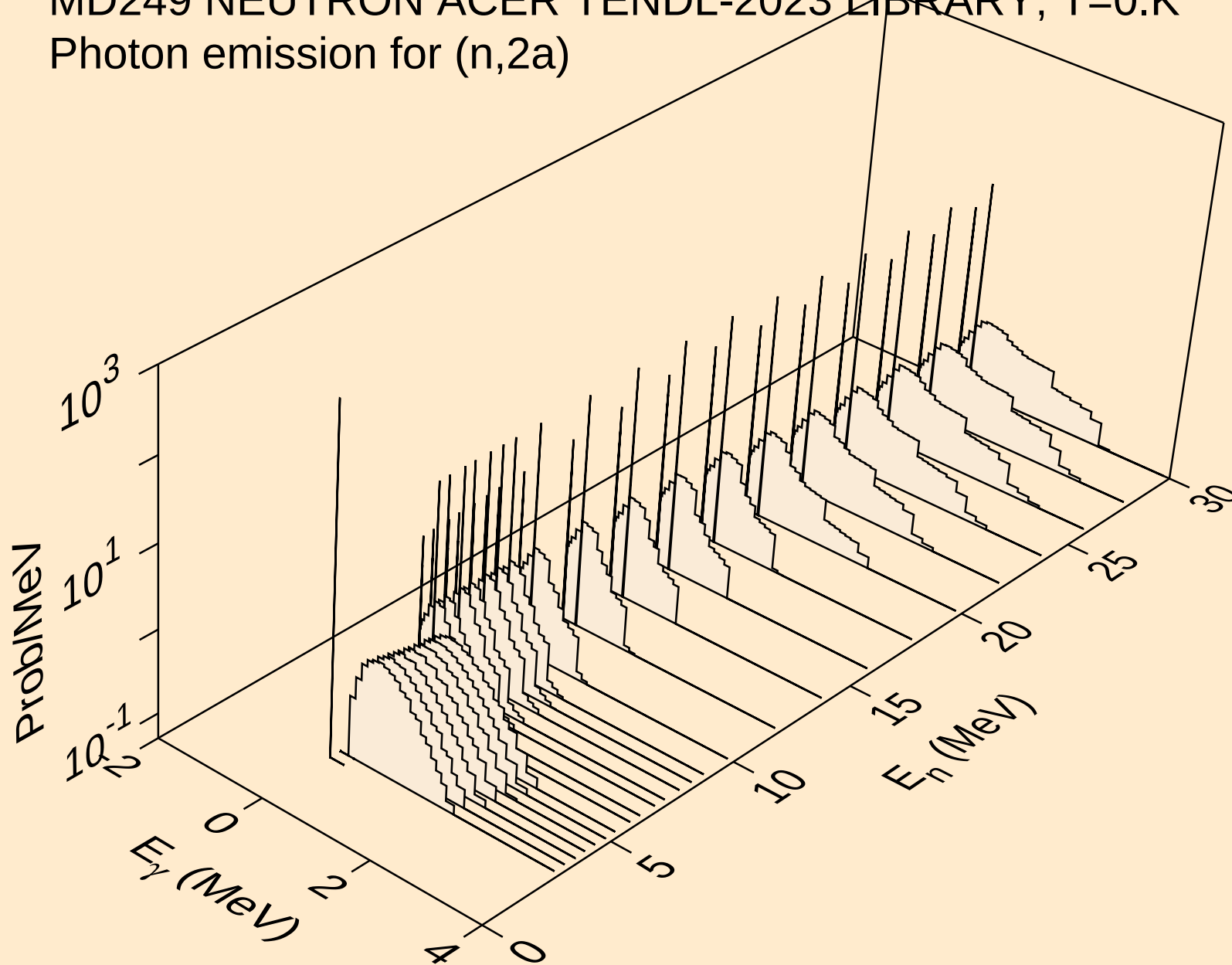
MD249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)



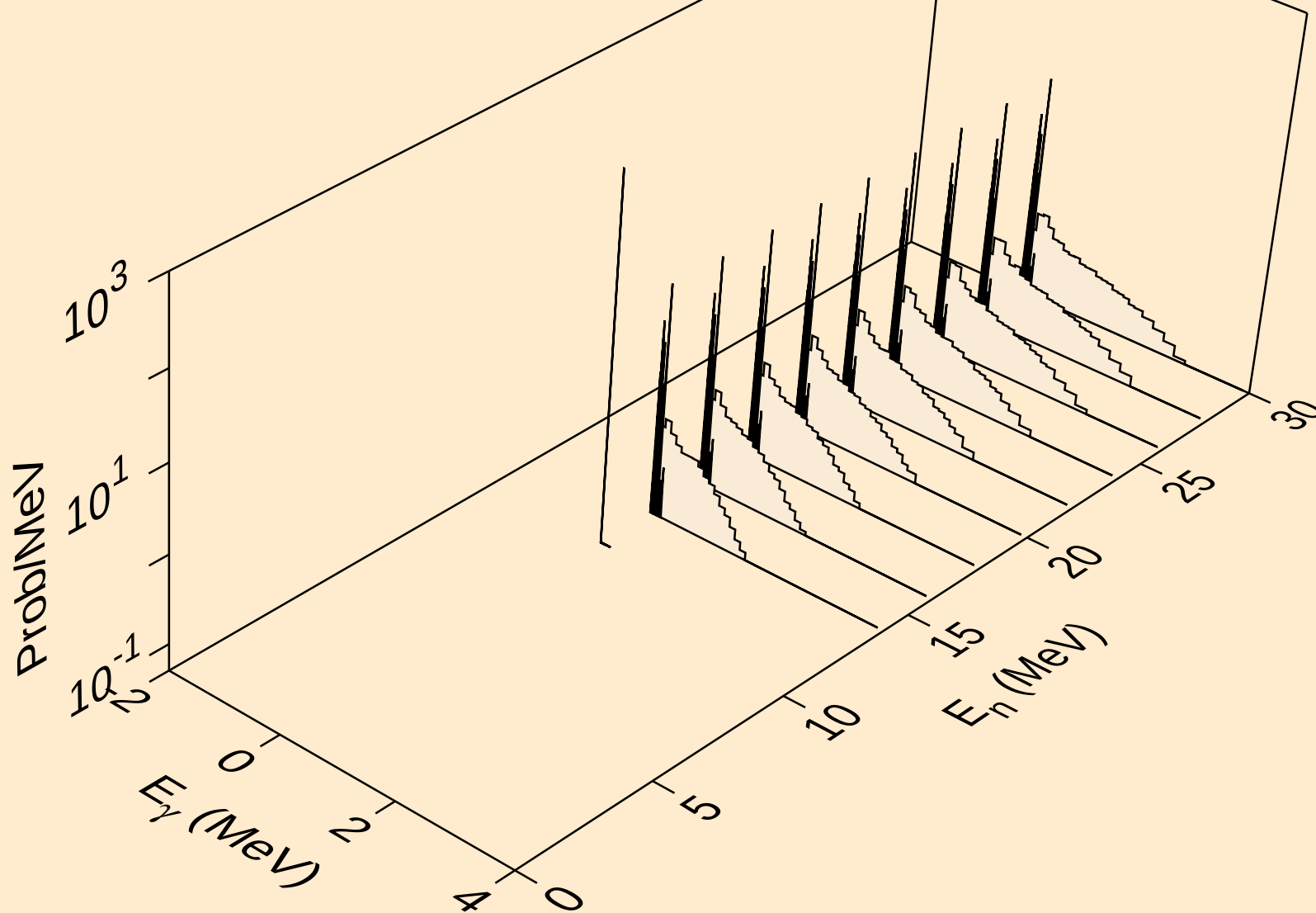
MD249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)



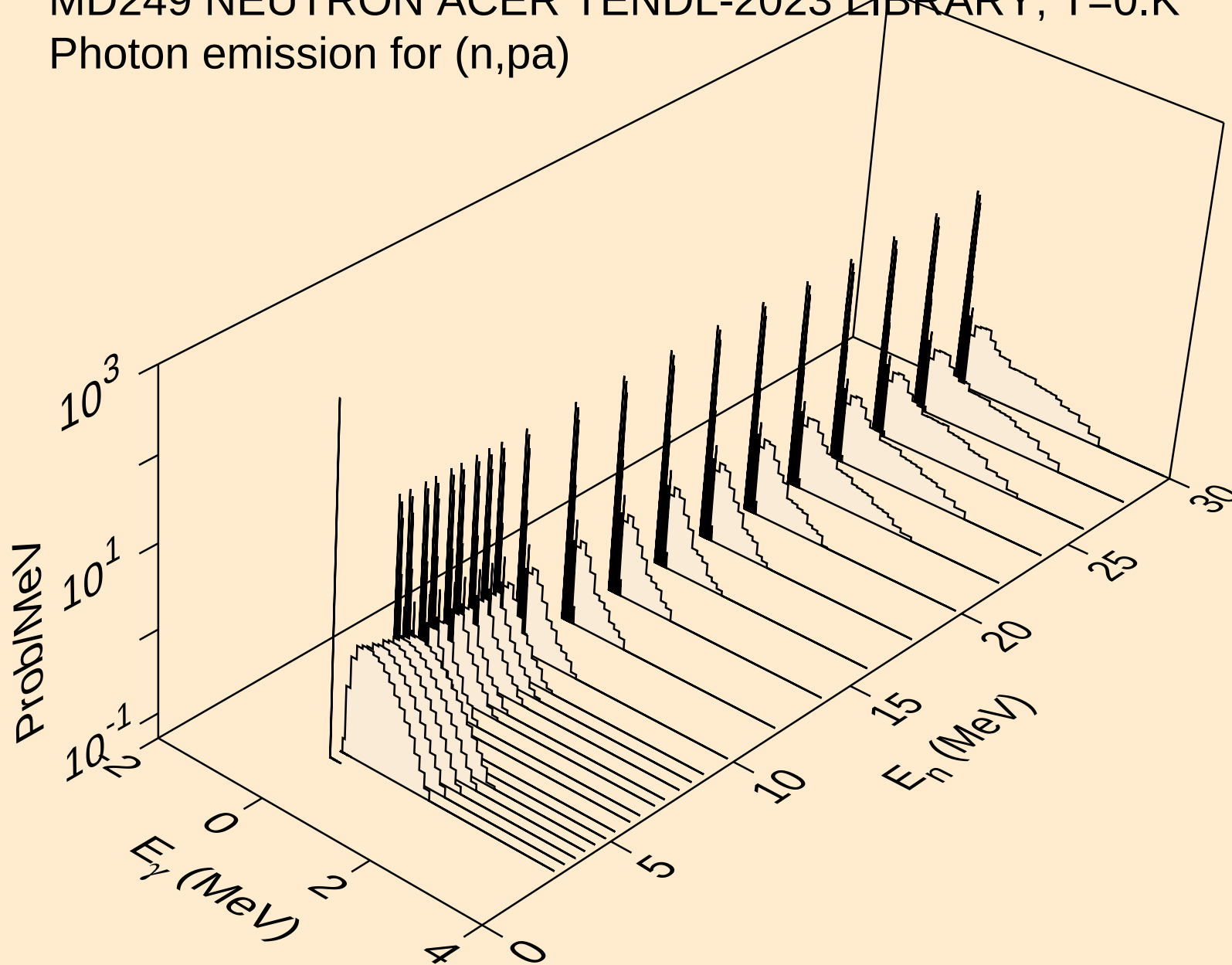
MD249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2a)



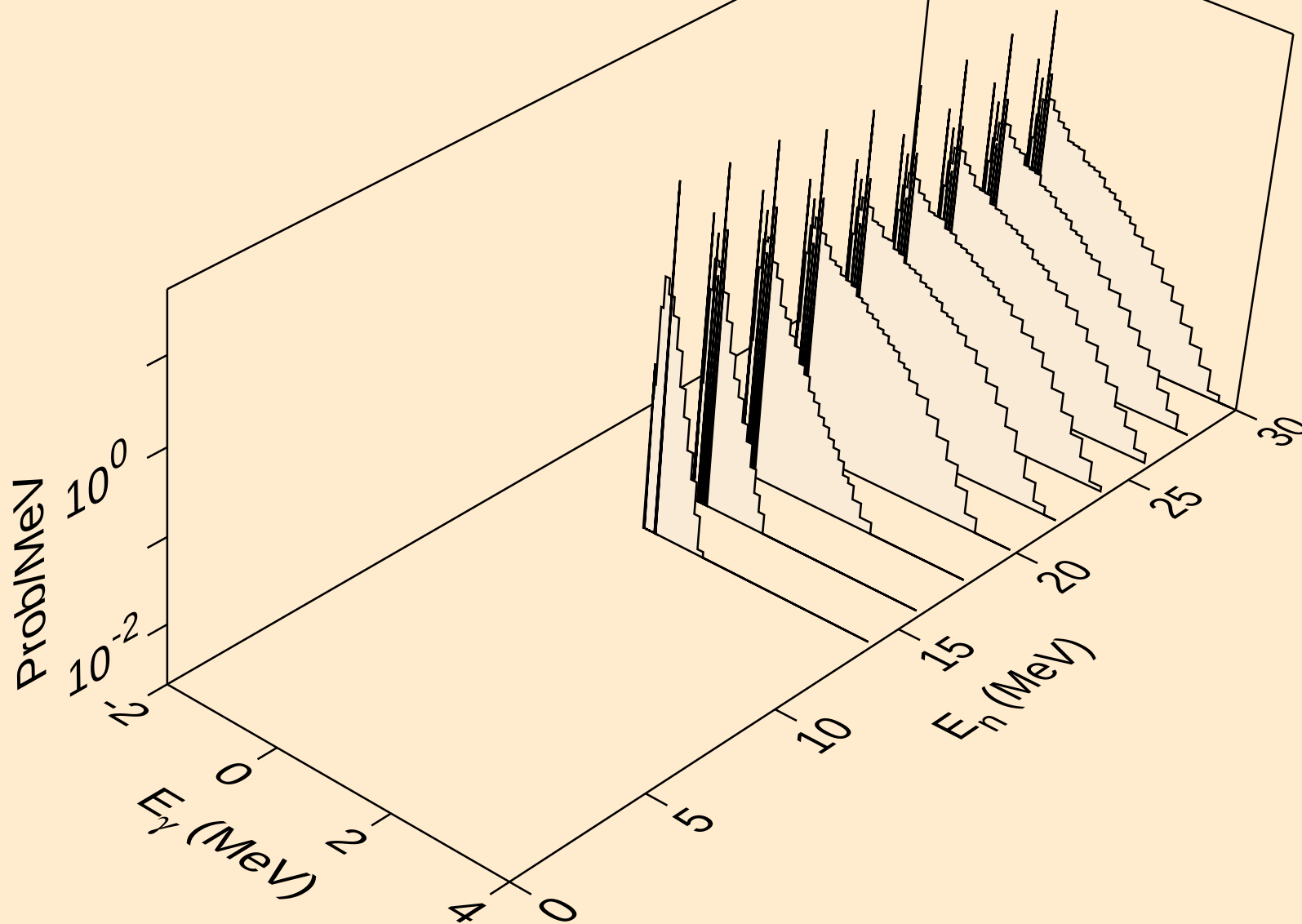
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Photon emission for (n,2p)



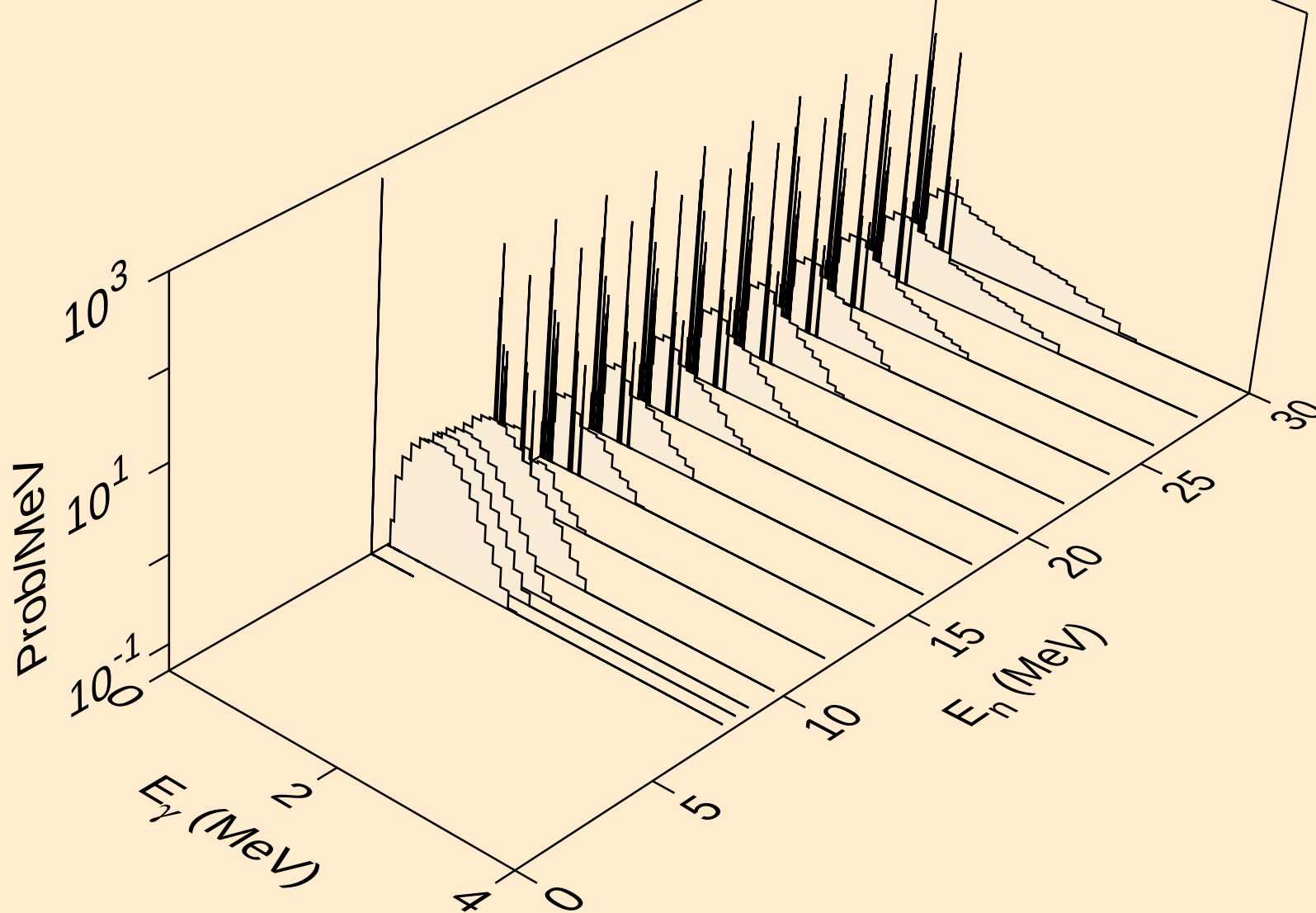
MD249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p $\alpha$ )



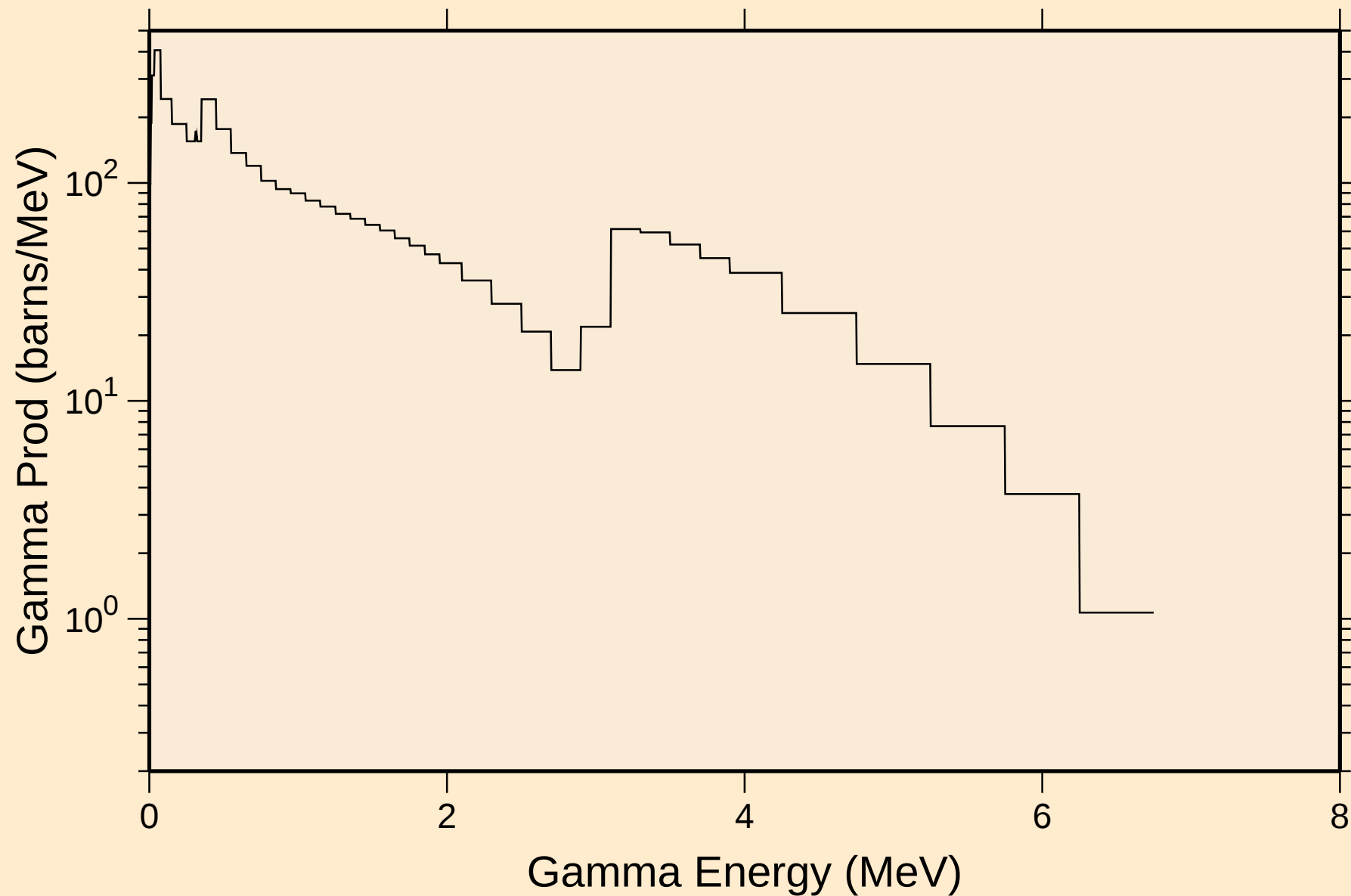
MD249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)



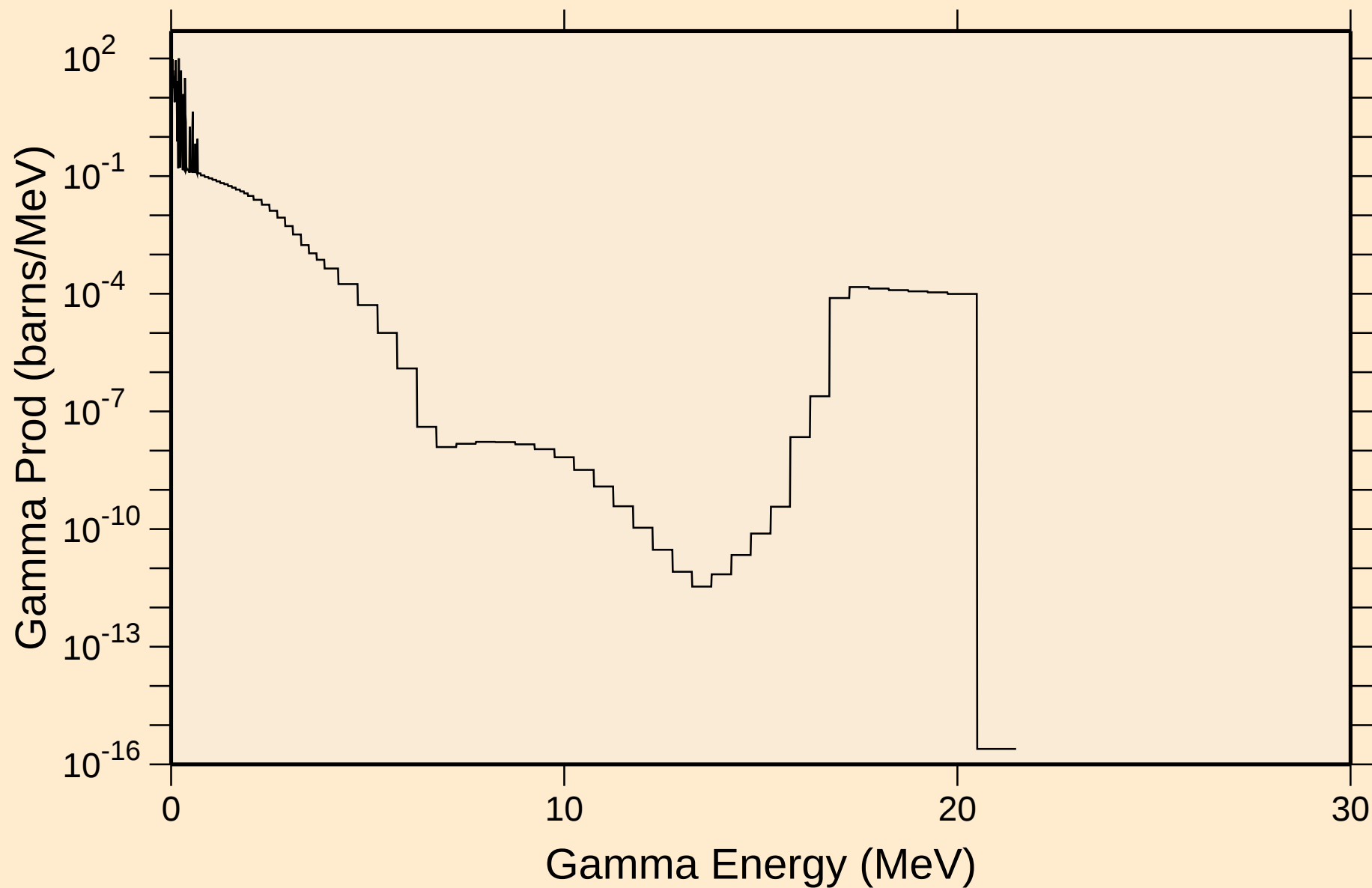
MD249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)



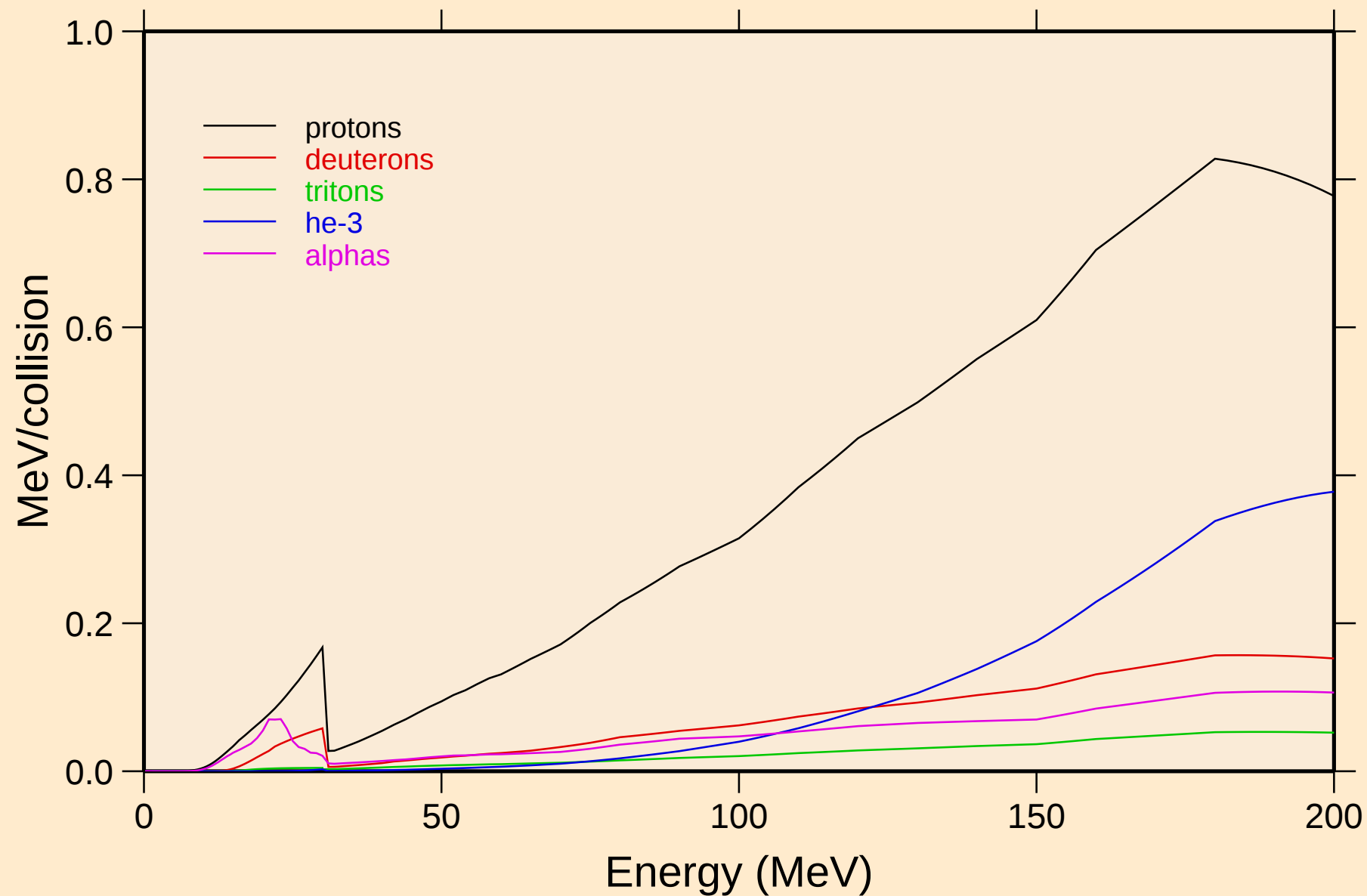
MD249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
thermal capture photon spectrum



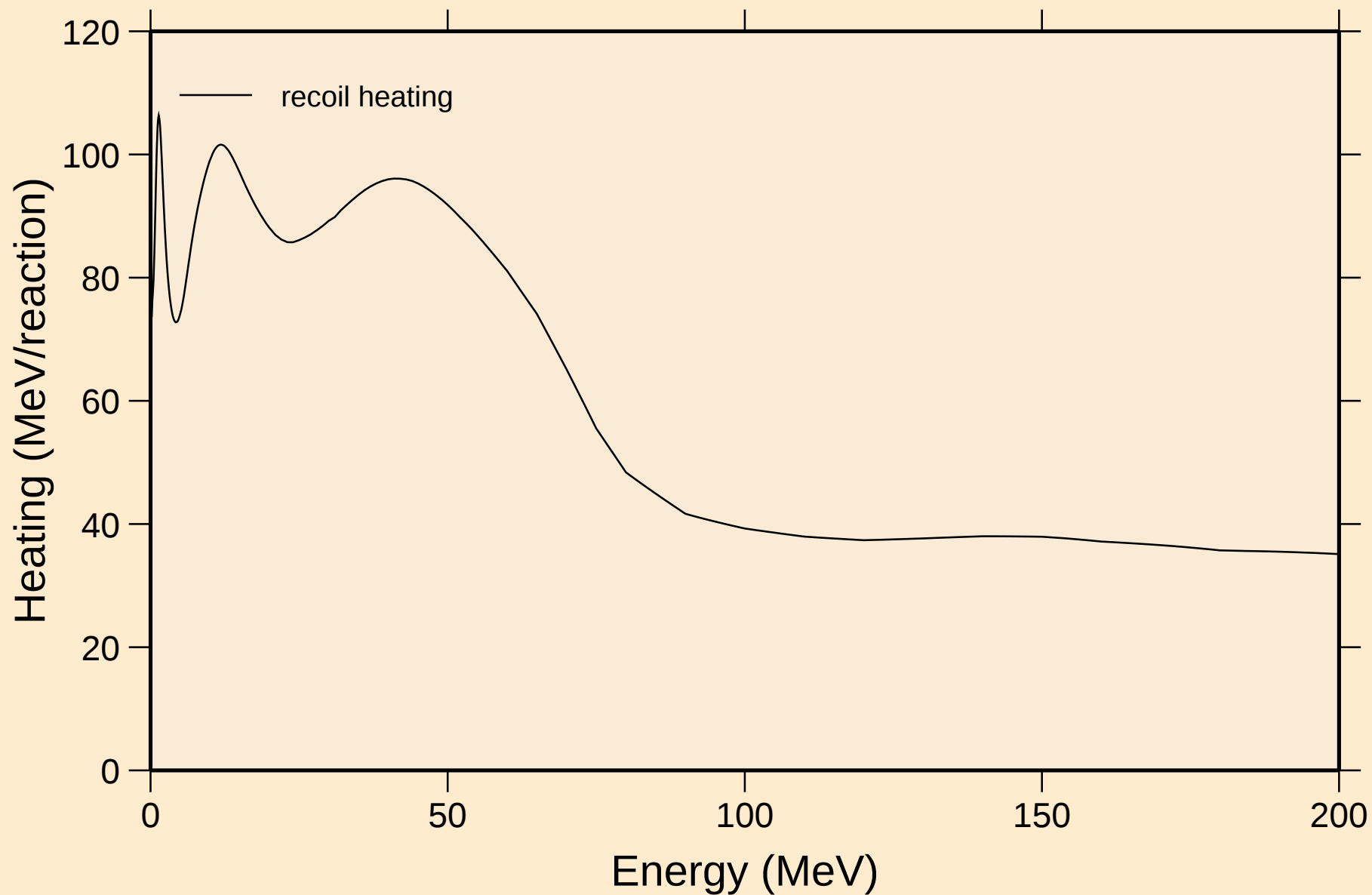
MD249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
14 MeV photon spectrum



MD249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Particle heating contributions

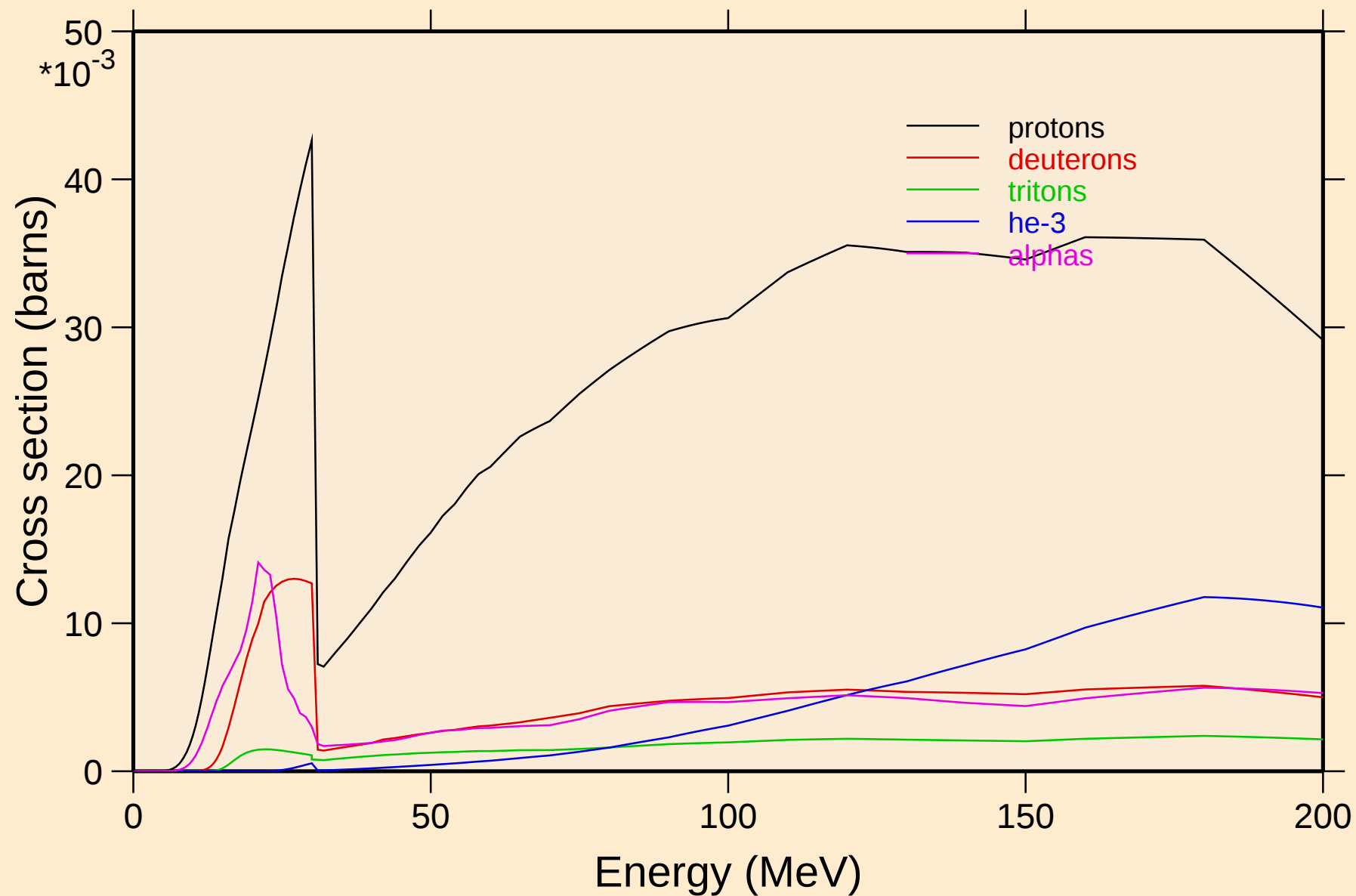


MD249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating

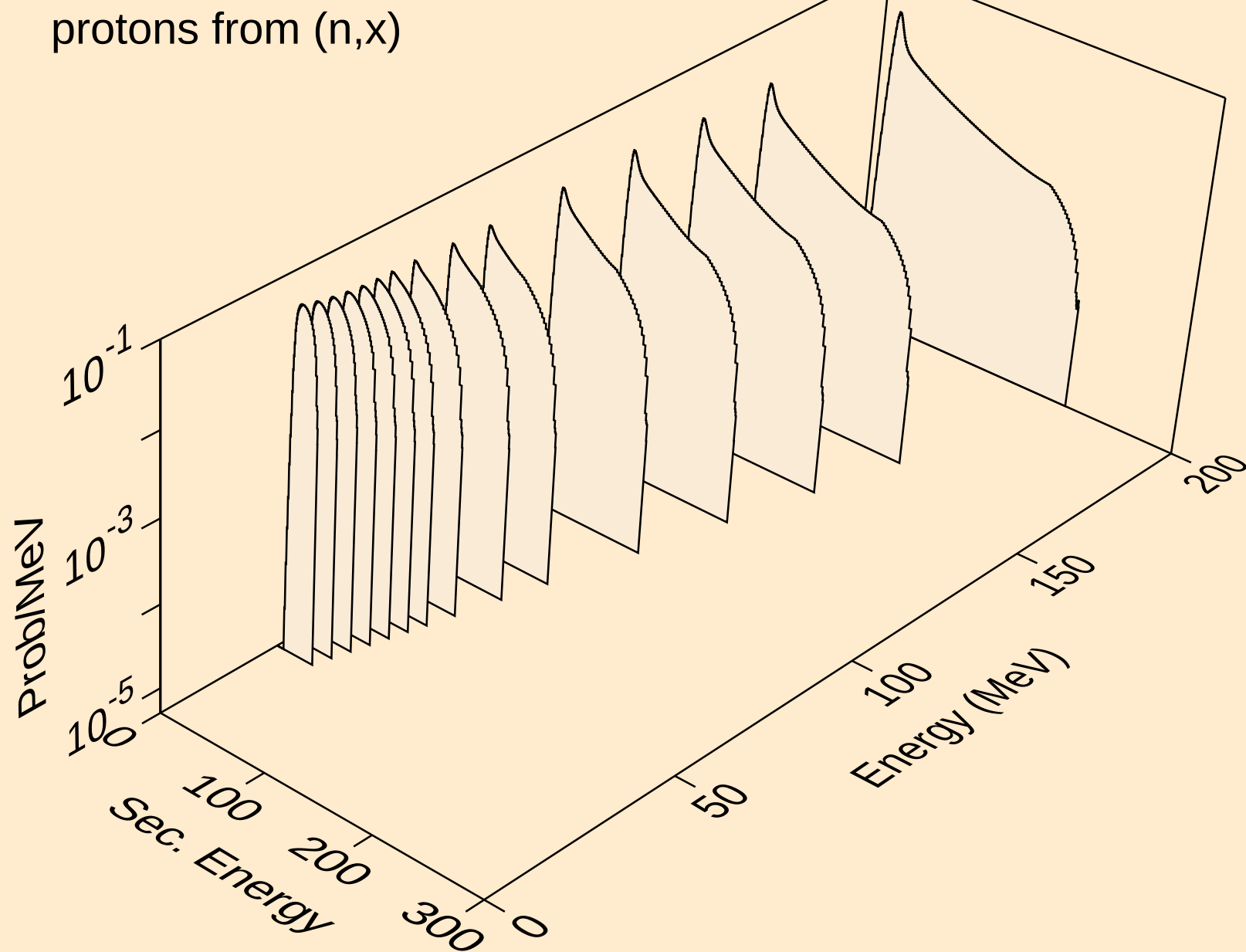


# MD249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

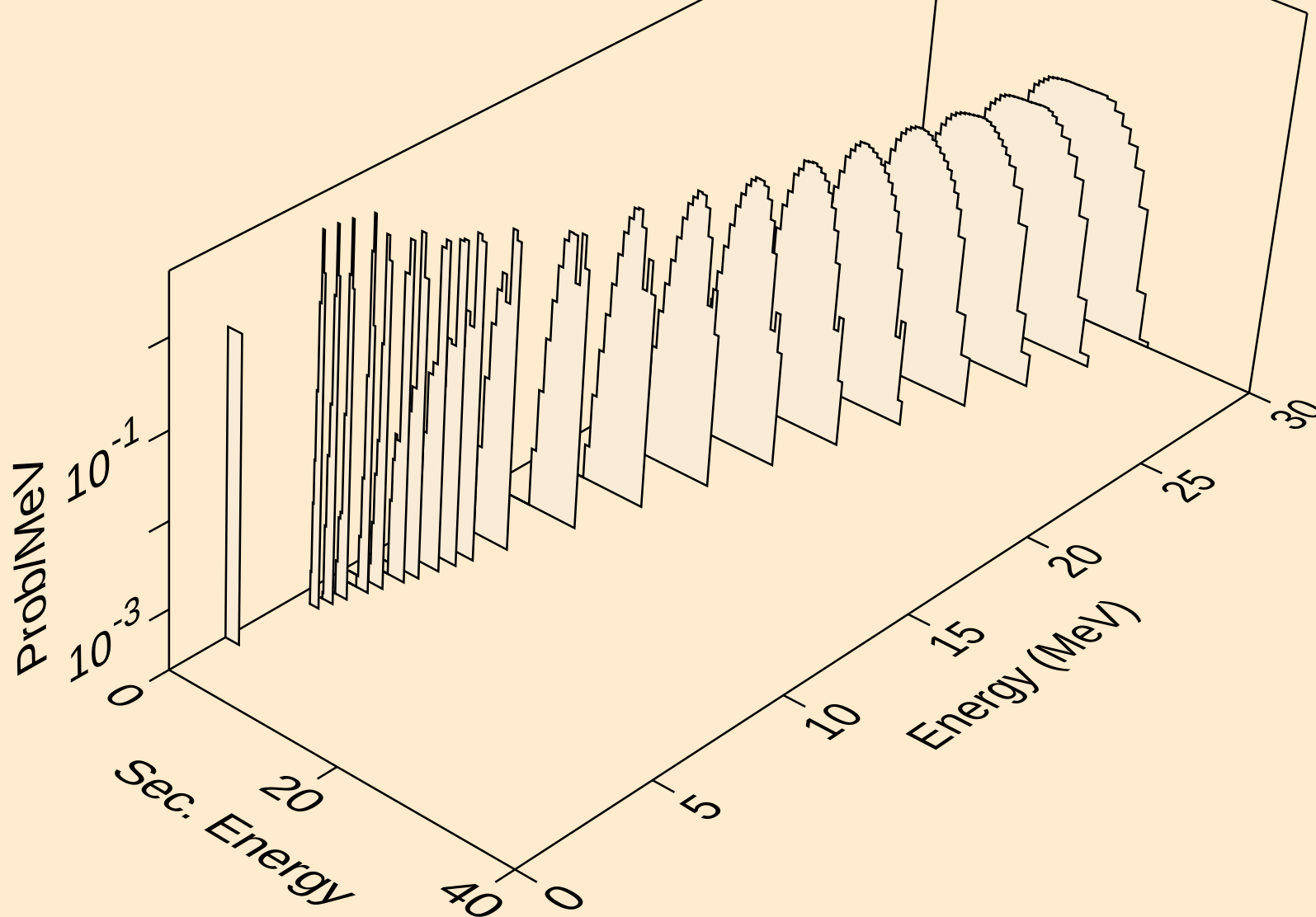
## Particle production cross sections



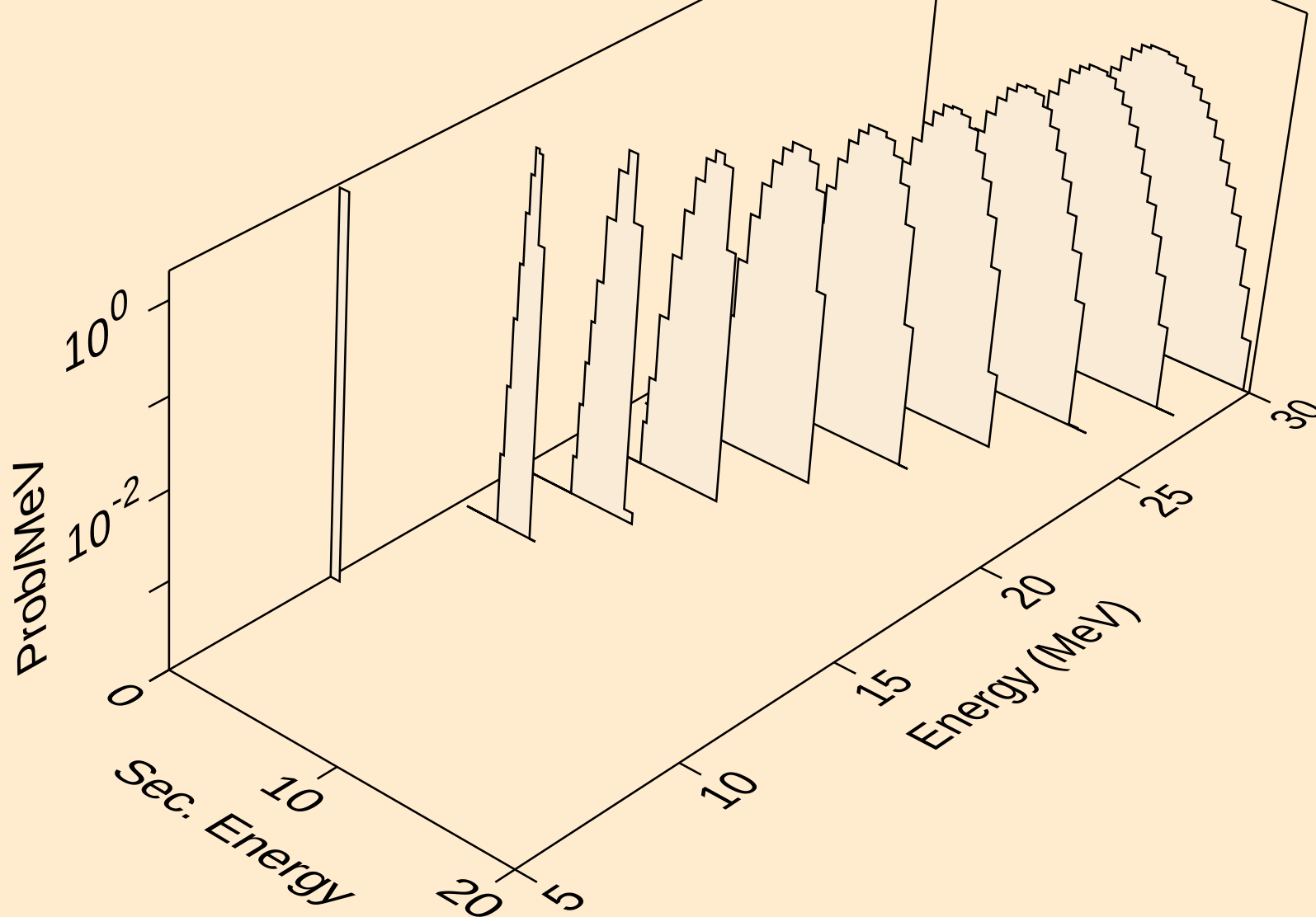
MD249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,x)



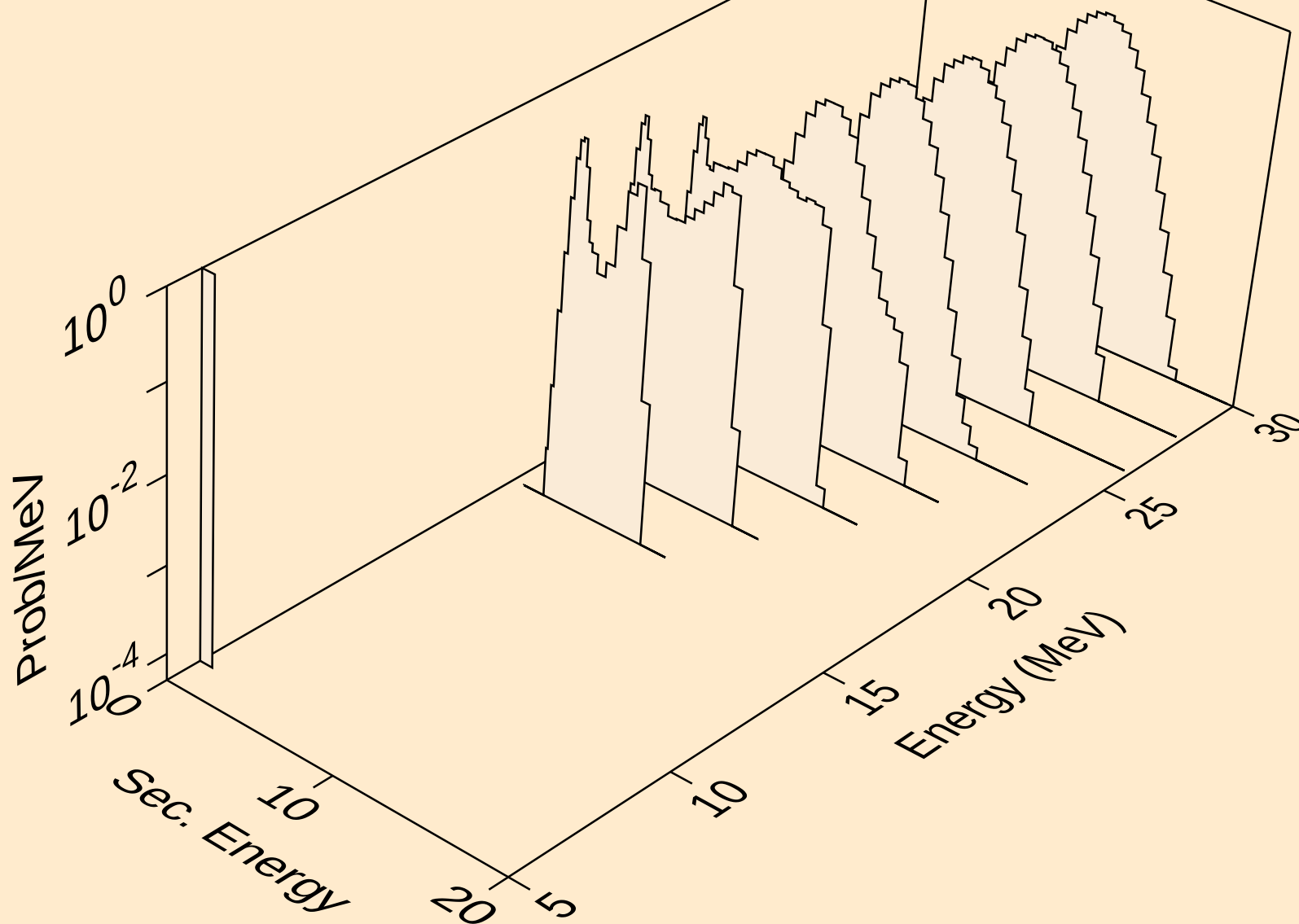
MD249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n\*)p



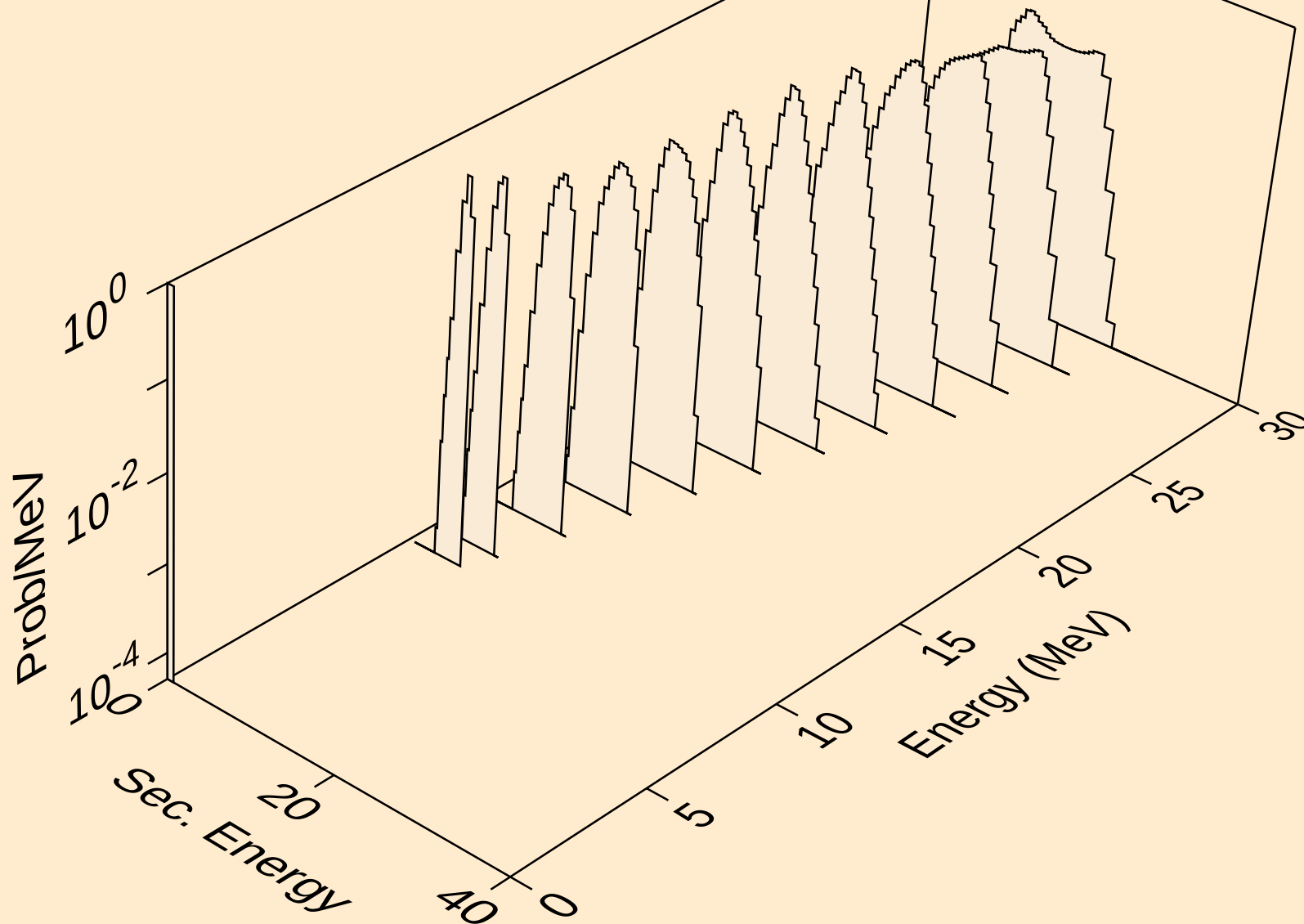
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protons from (n,2np)



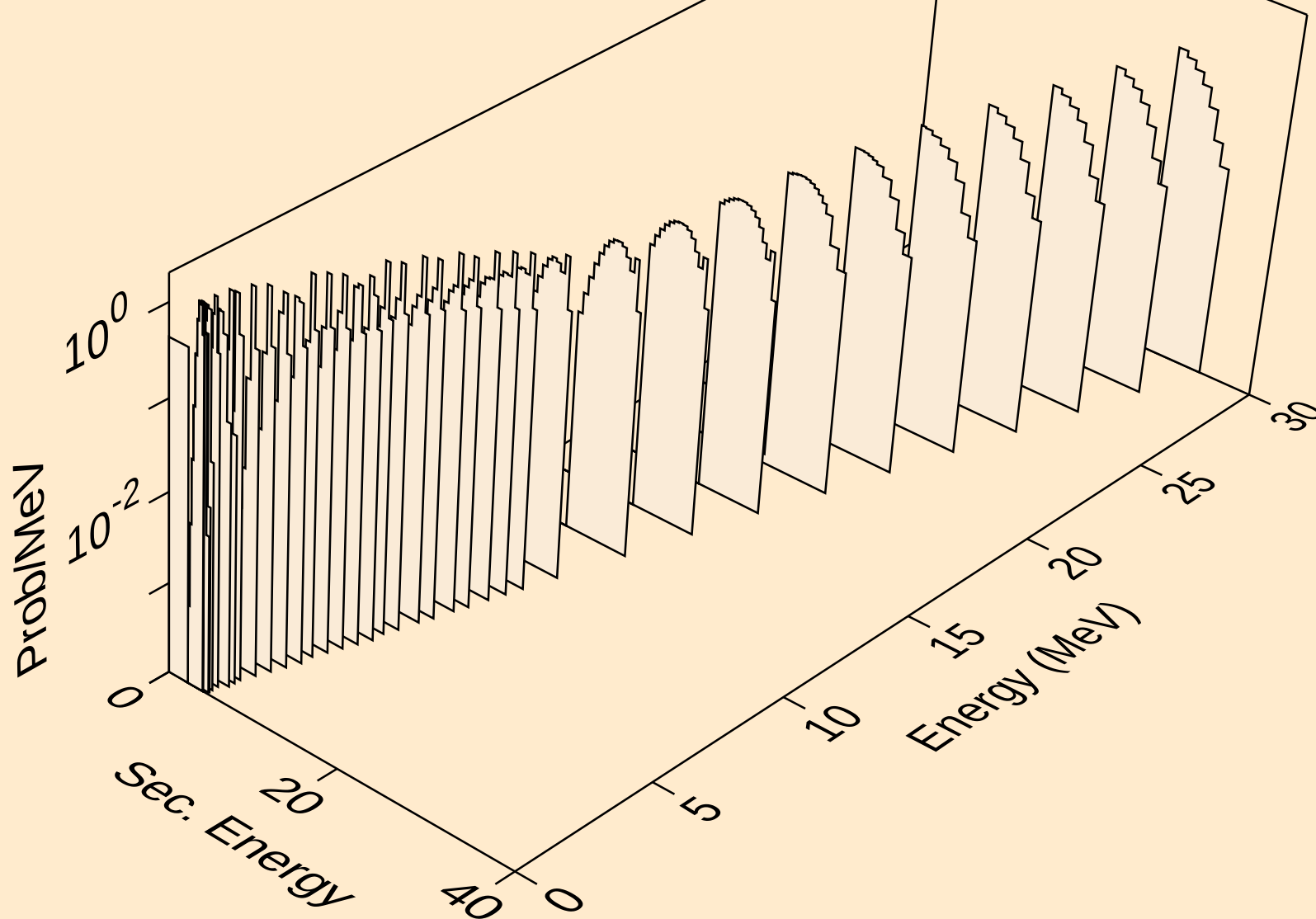
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protons from (n,n2p)



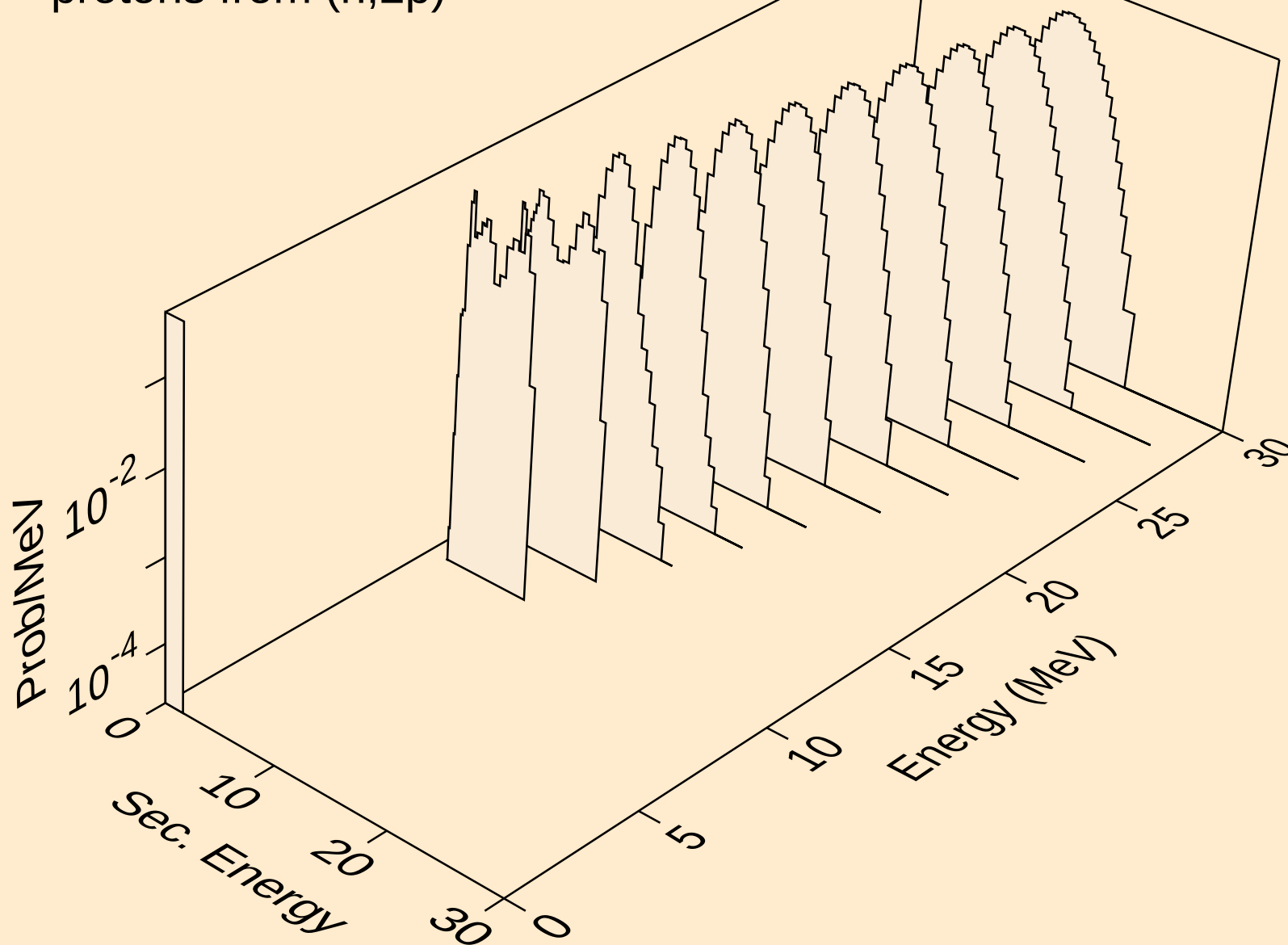
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protons from (n,npa)



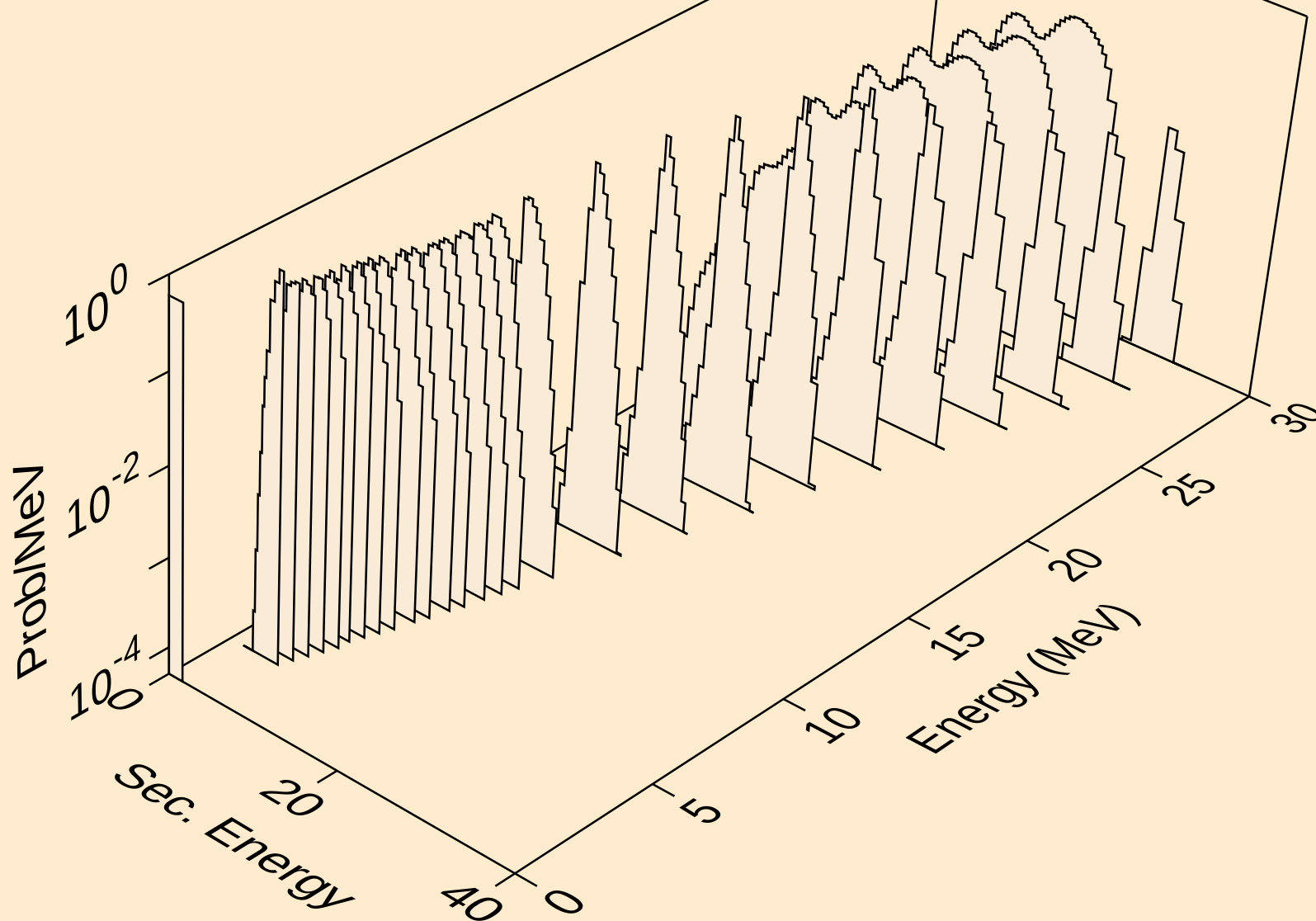
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protons from (n,p)



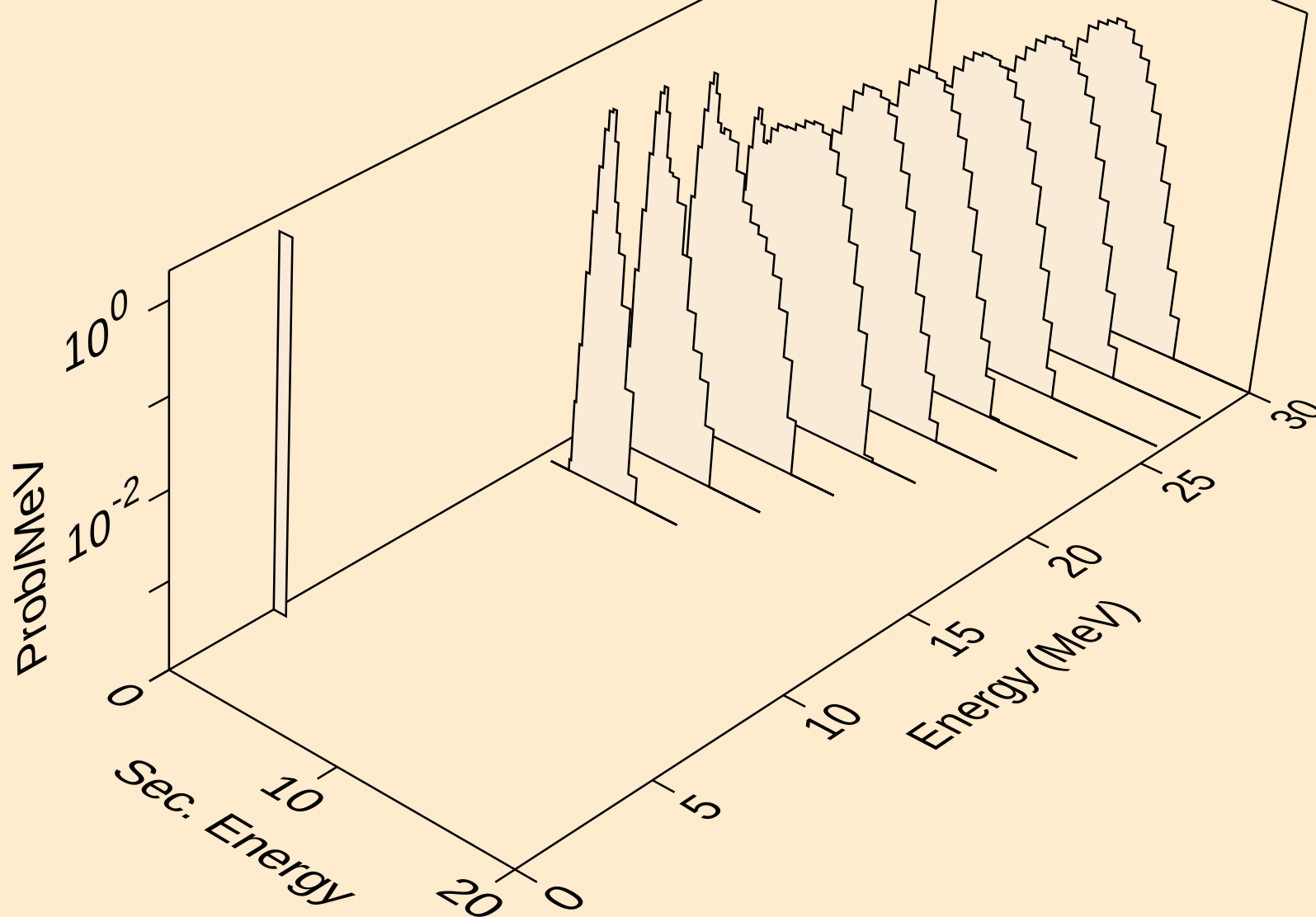
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protons from (n,2p)



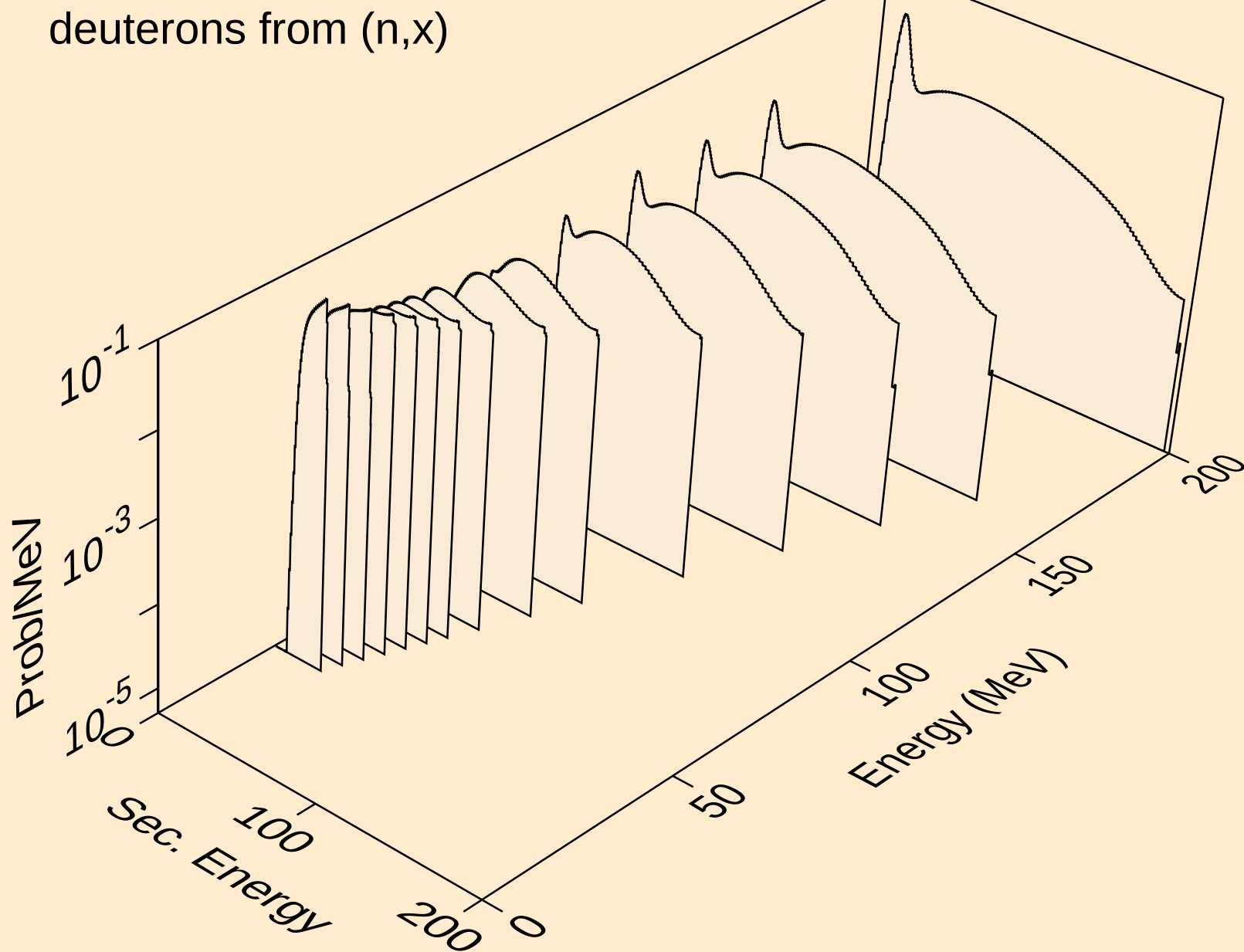
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protons from (n,p)



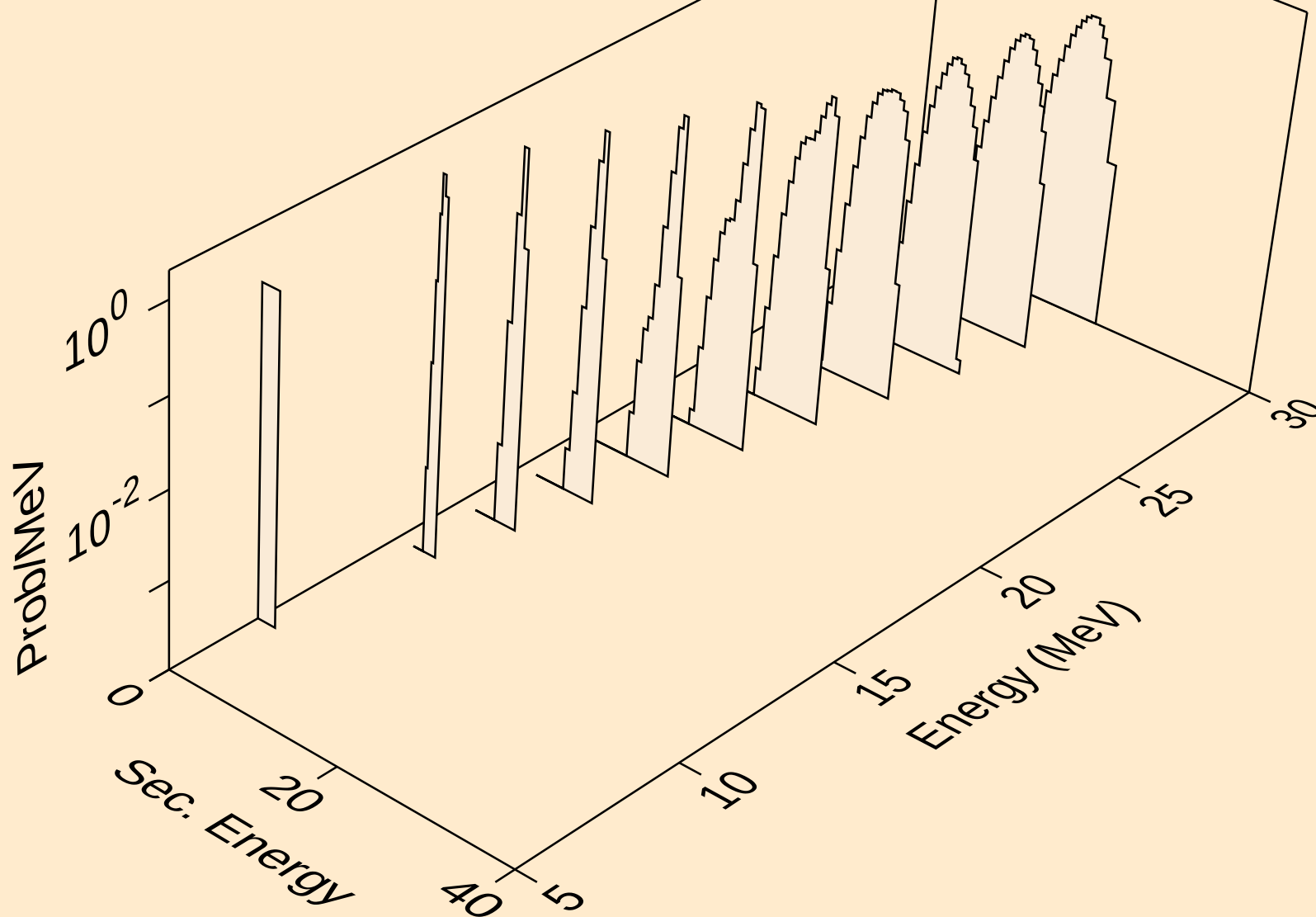
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protons from (n,pd)



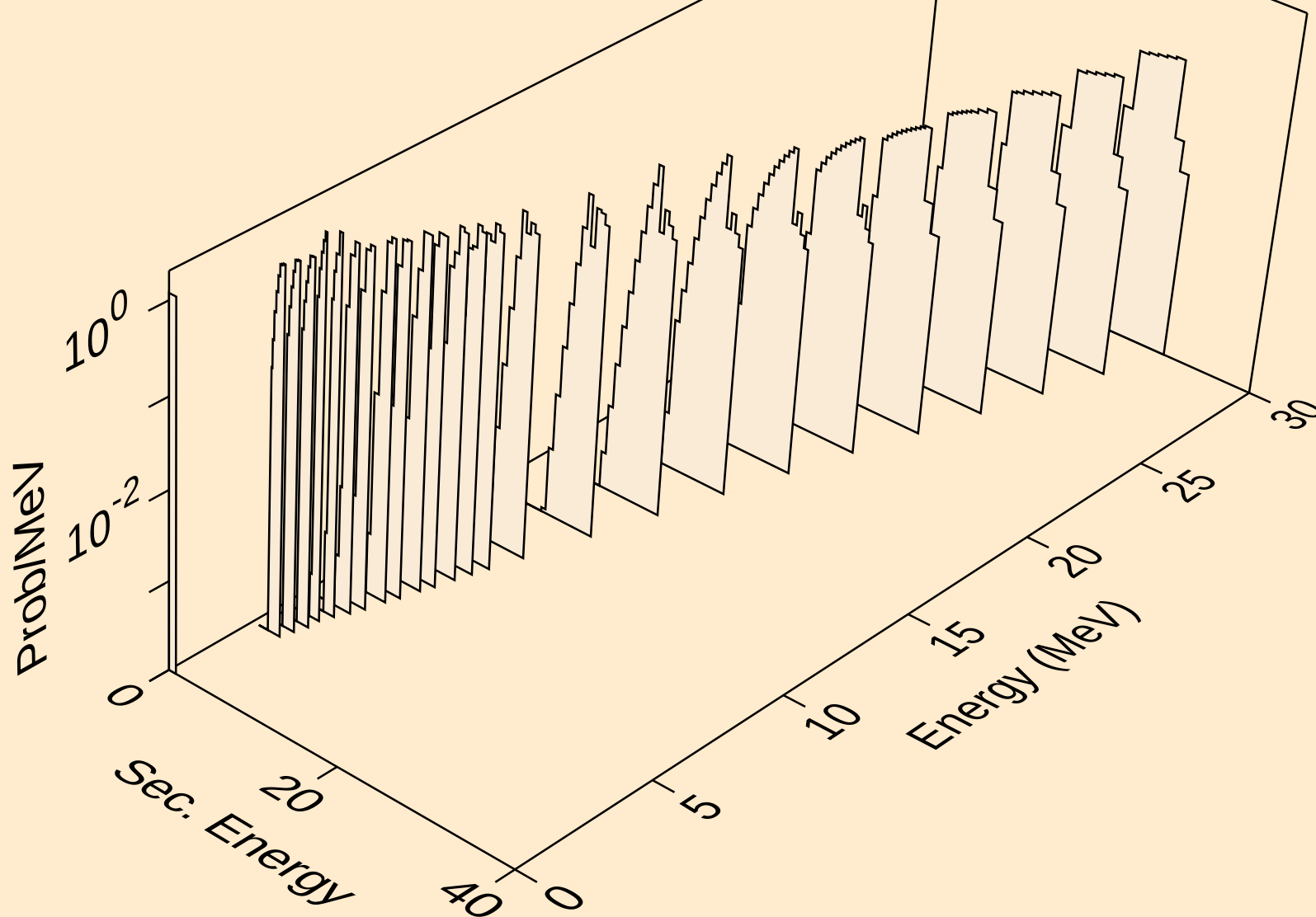
MD249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,x)



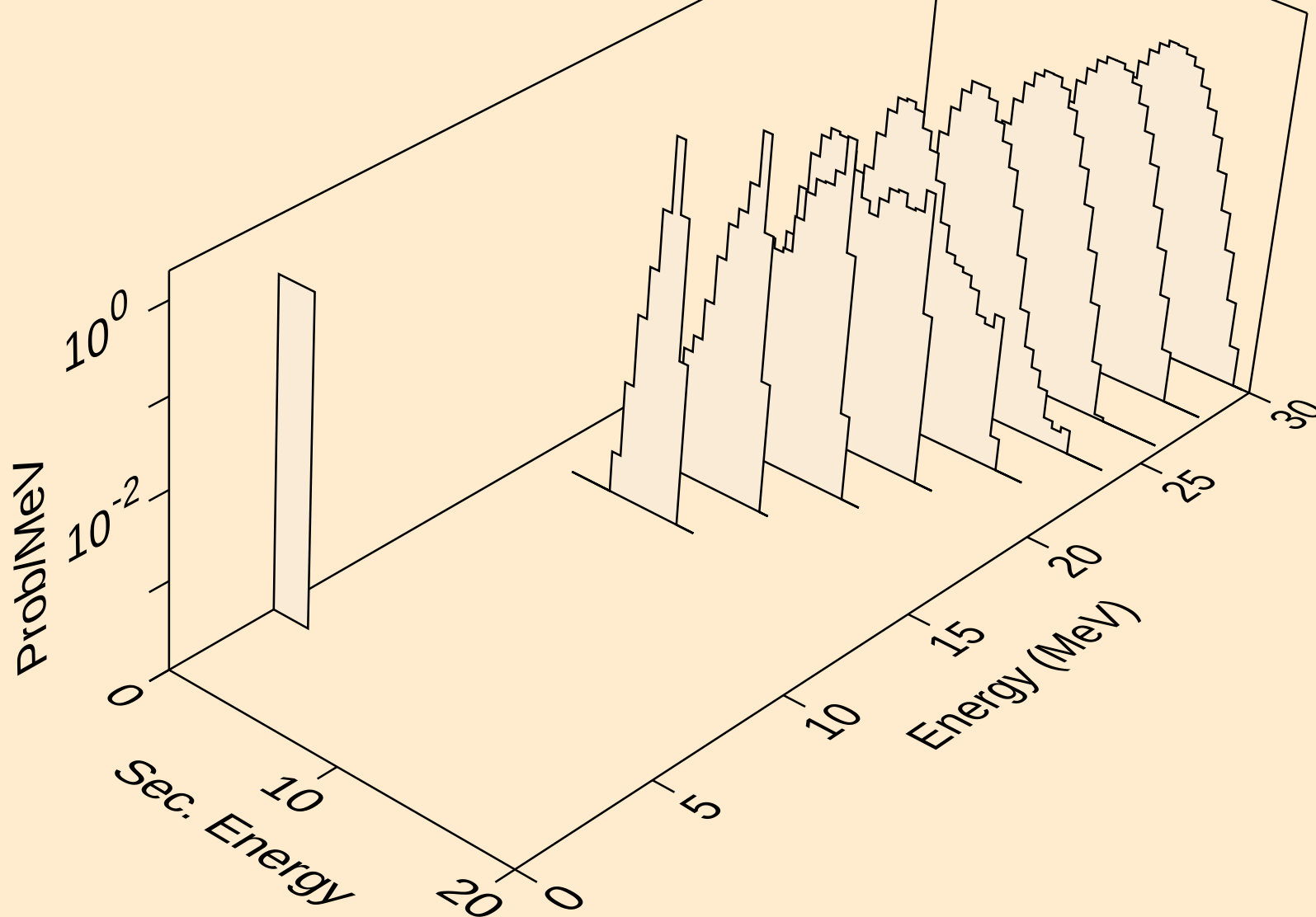
MD249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,n\*)d



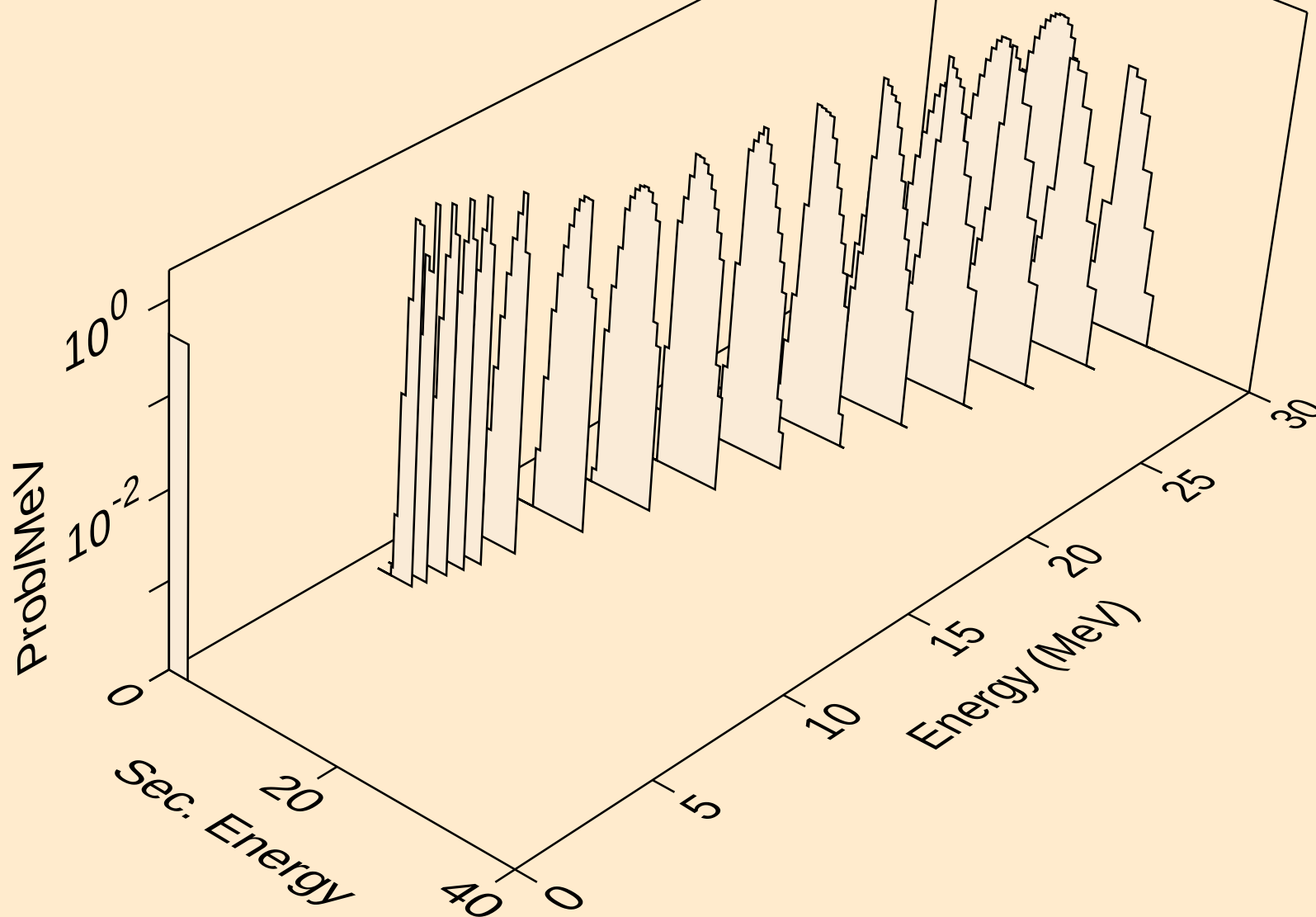
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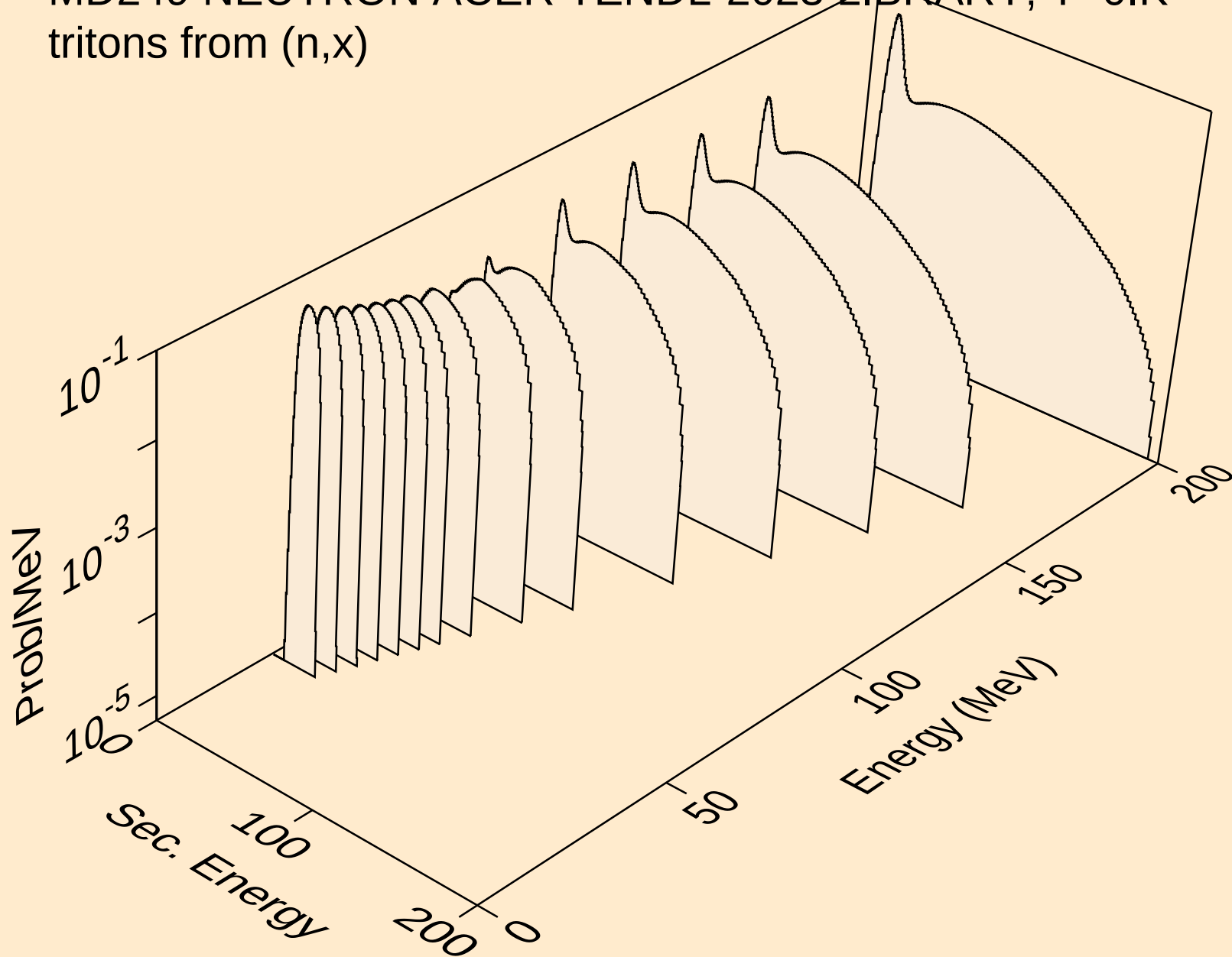
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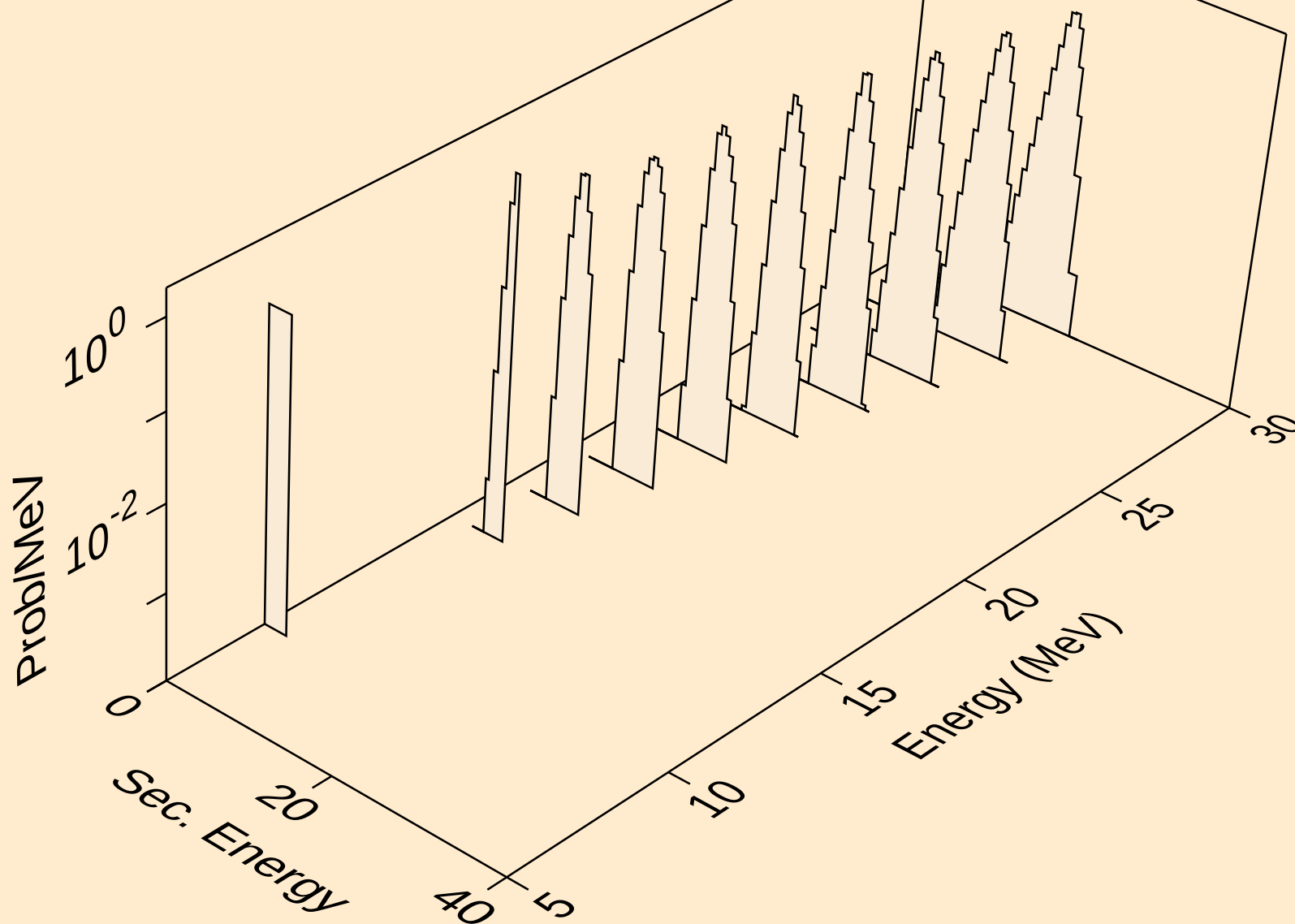
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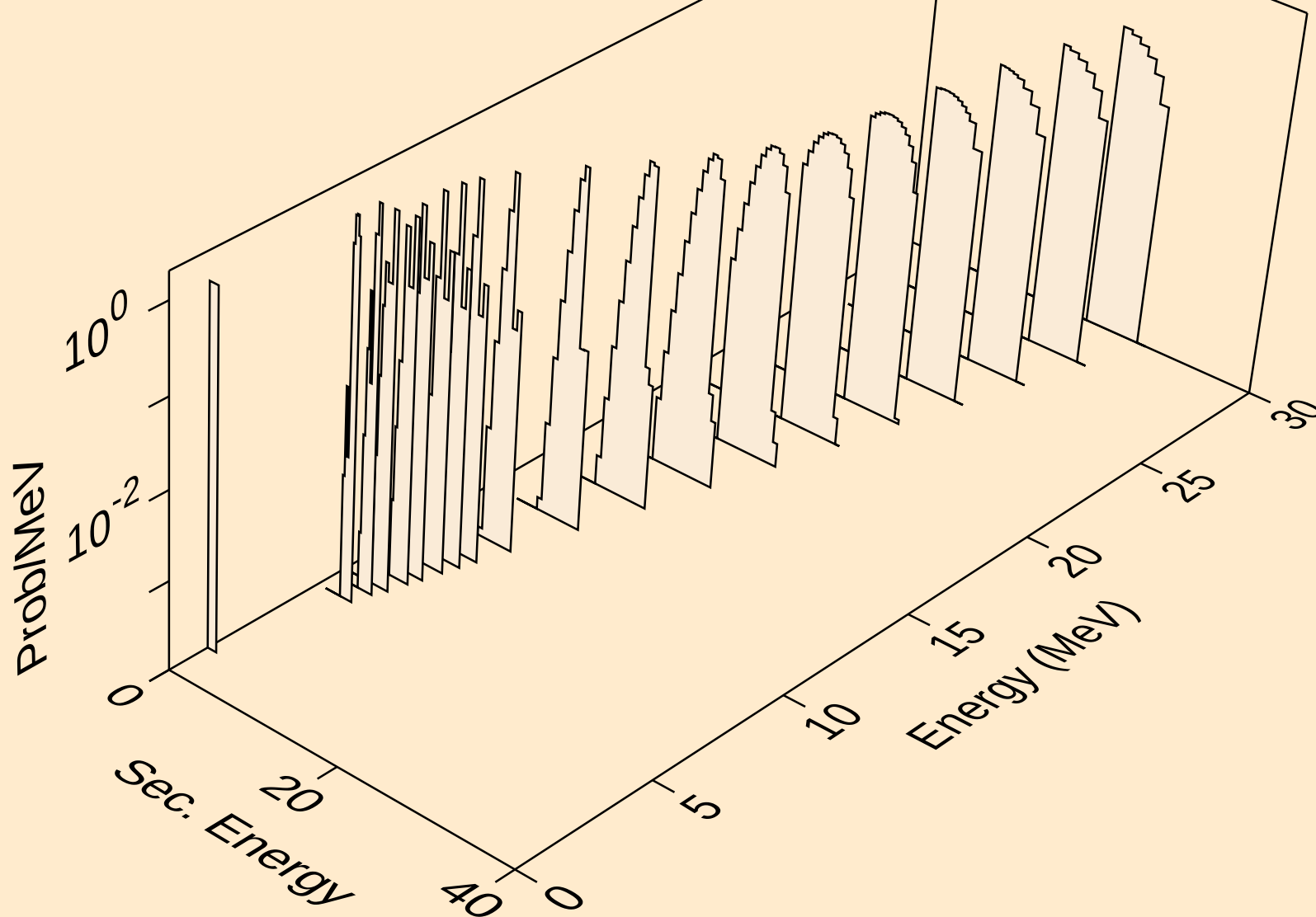
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tritons from (n,x)



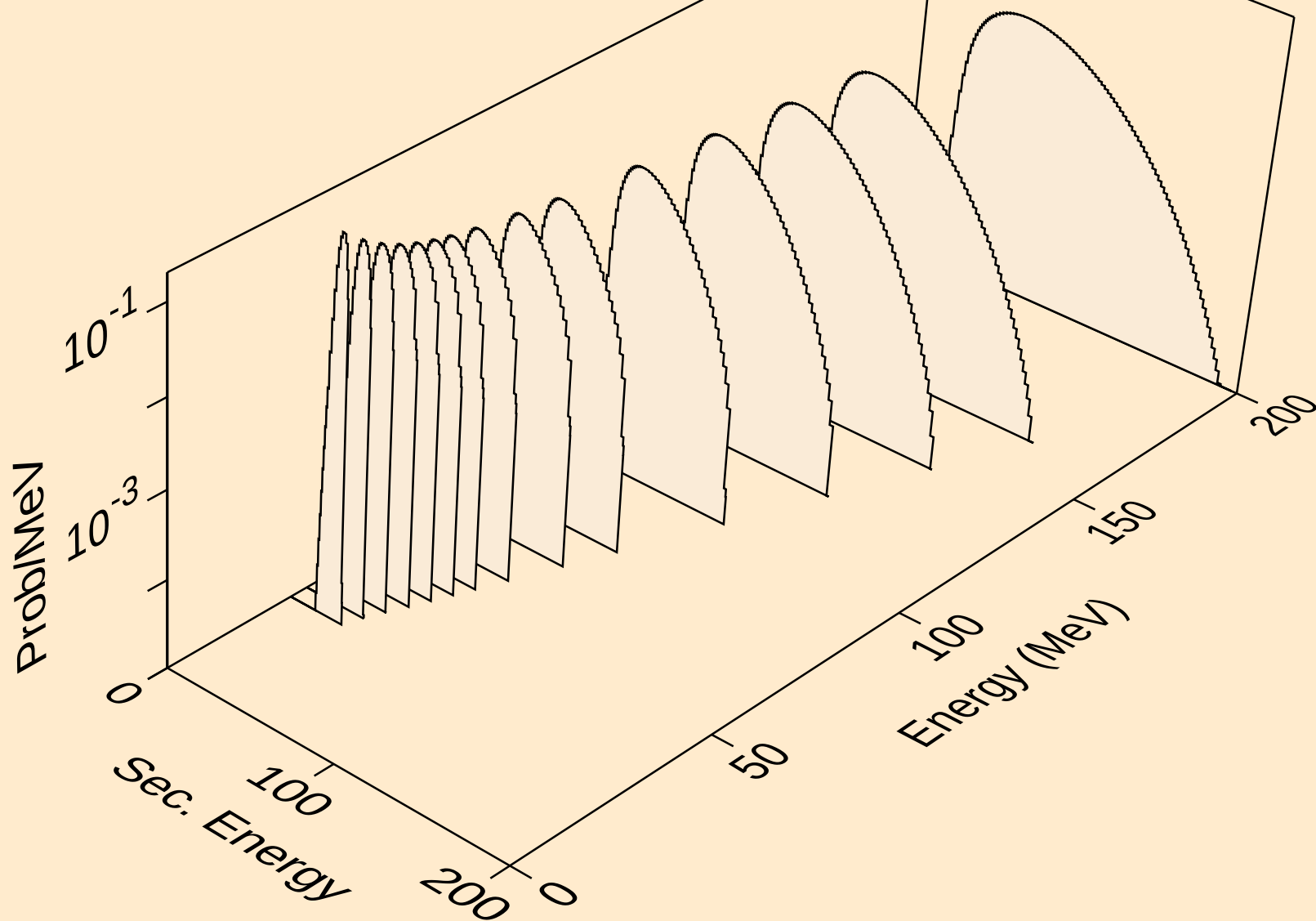
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tritons from (n,n\*)t



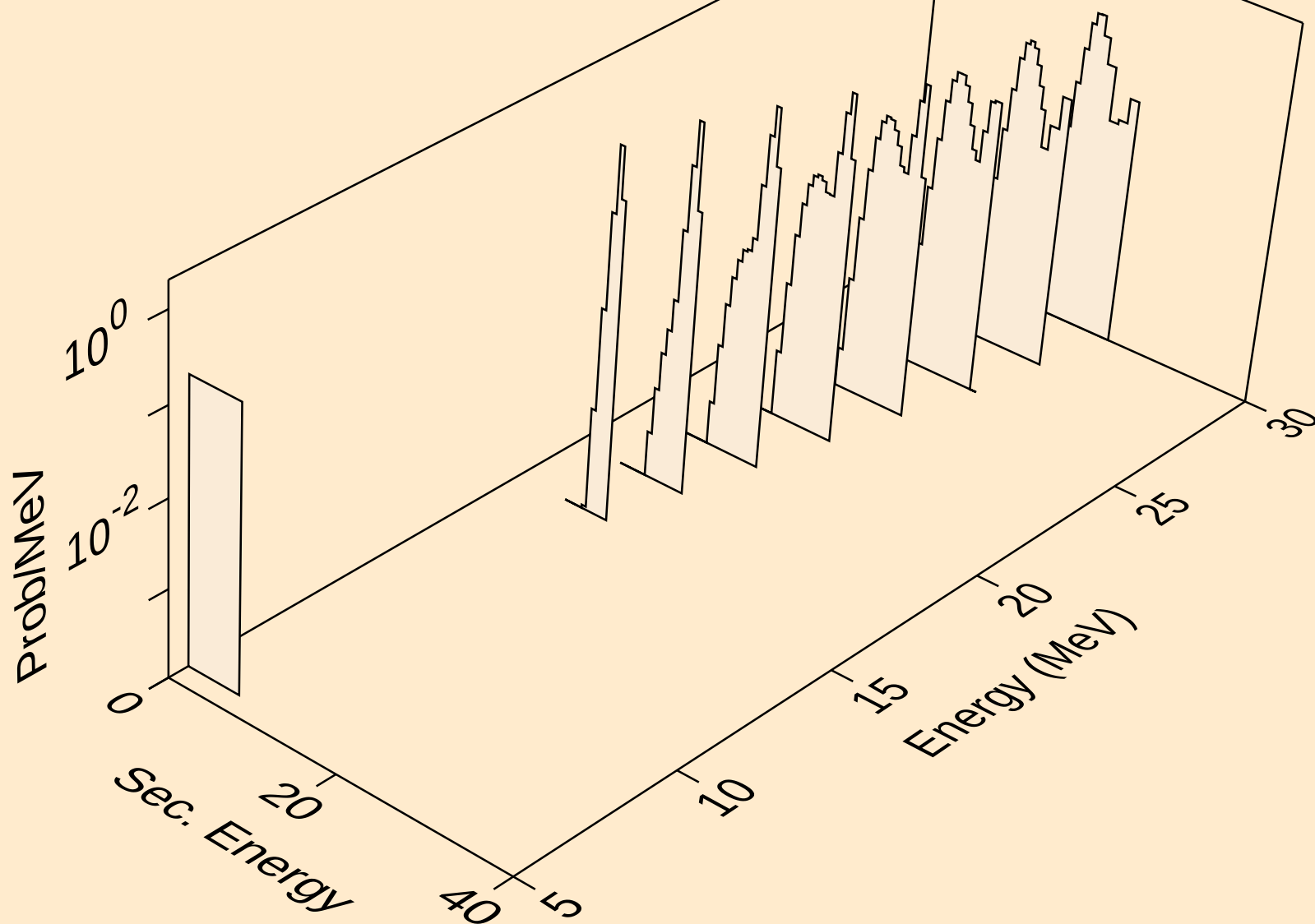
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tritons from (n,t)



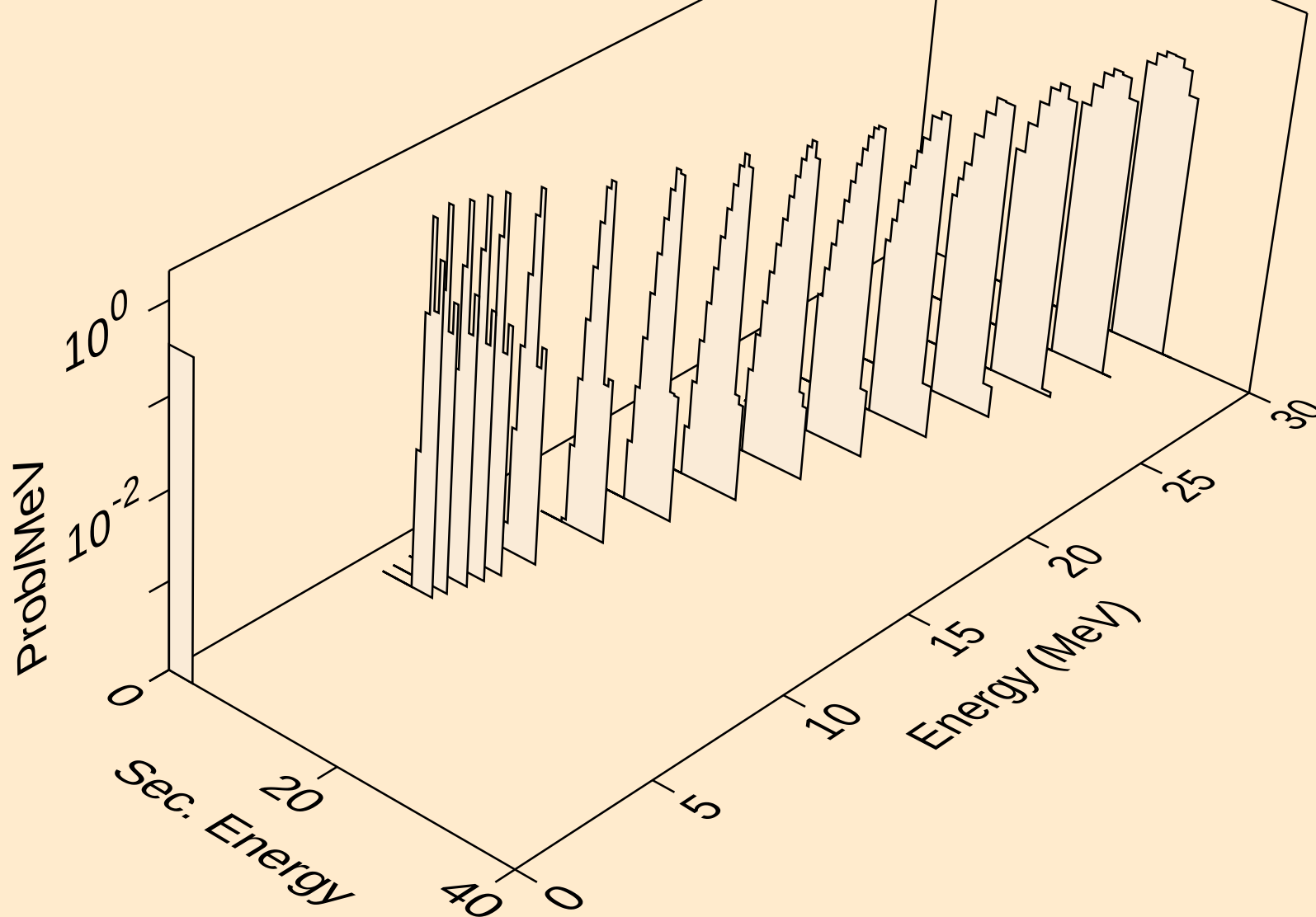
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he3s from (n,x)



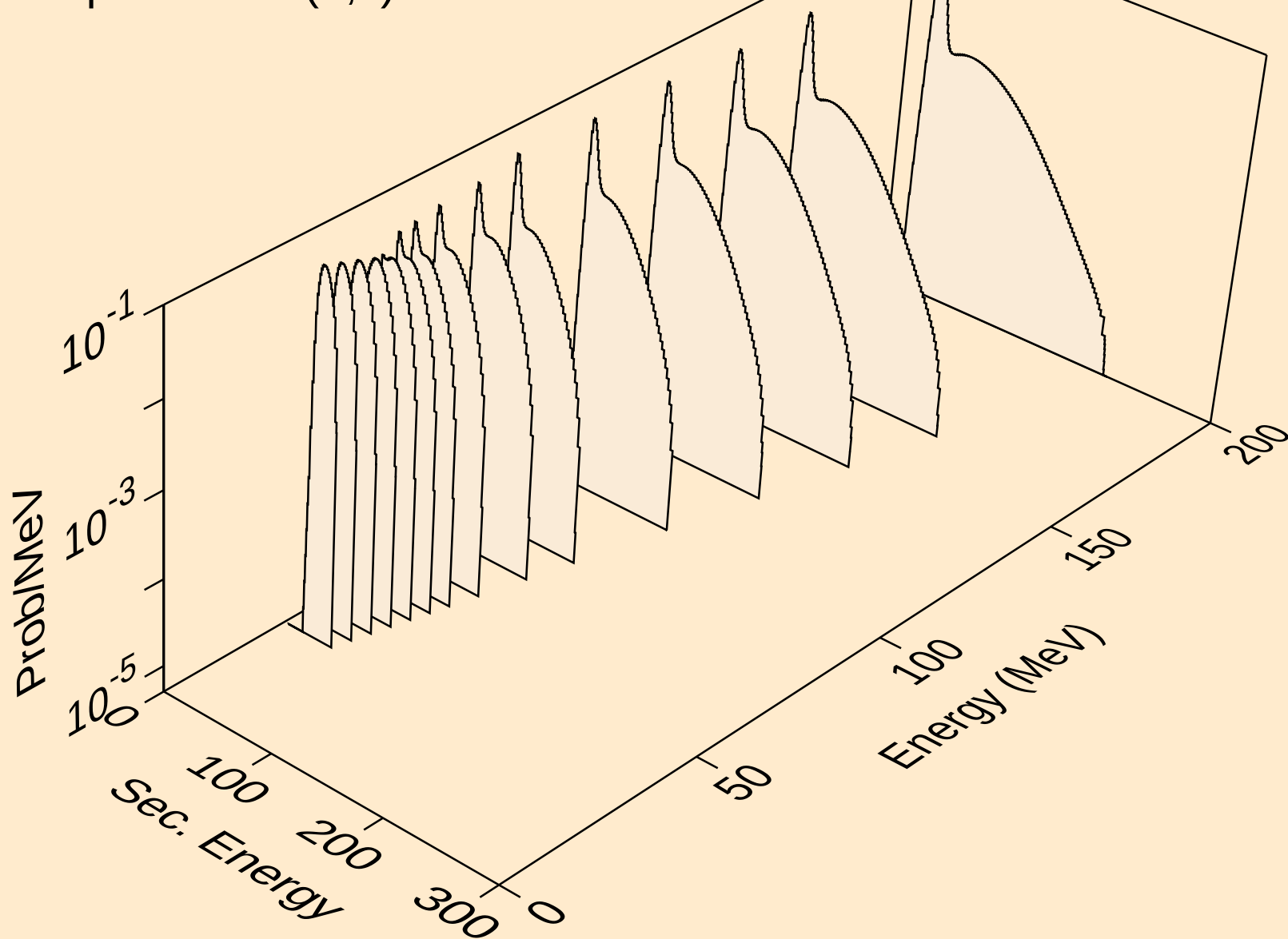
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he3s from (n,n\*)he3



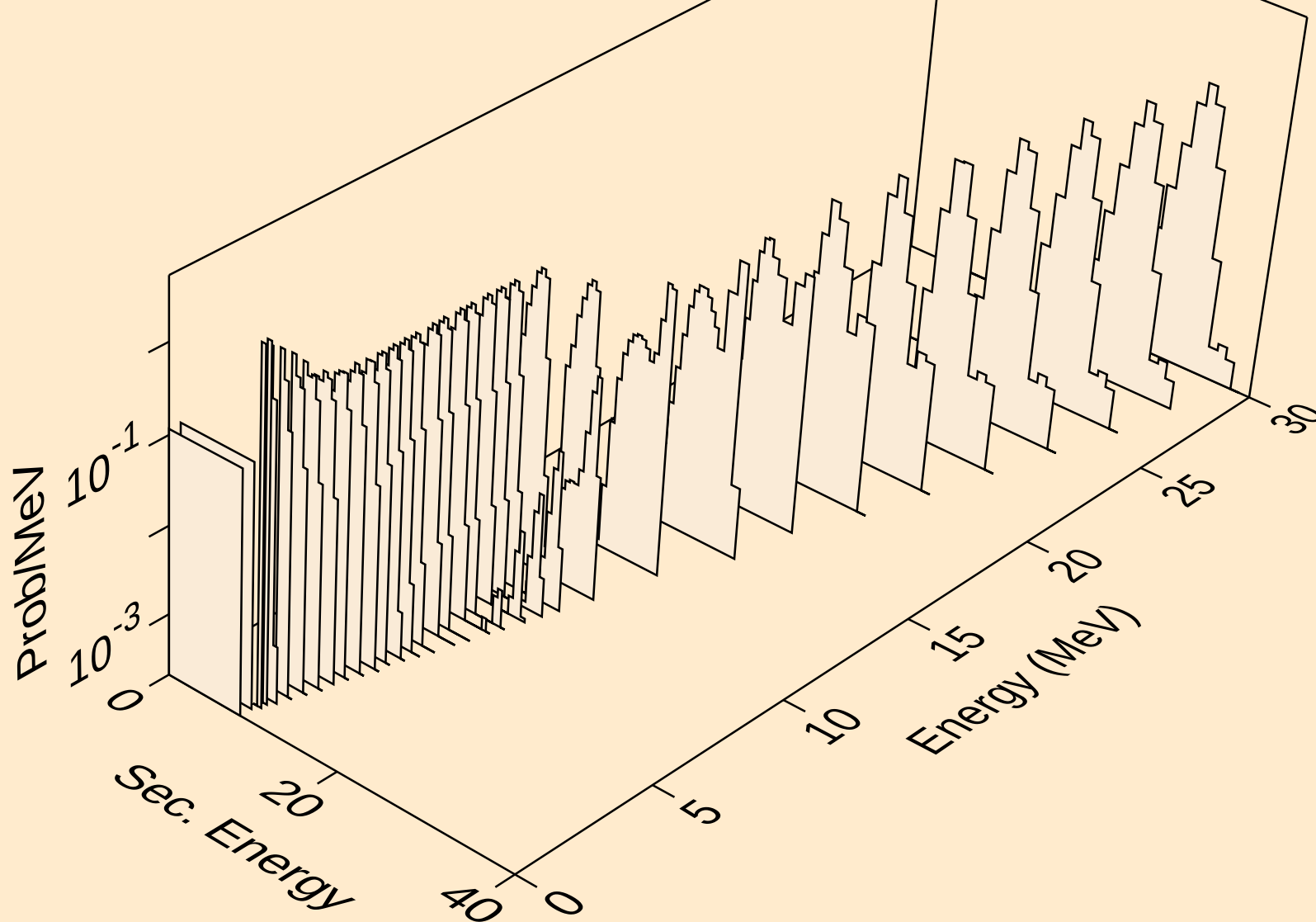
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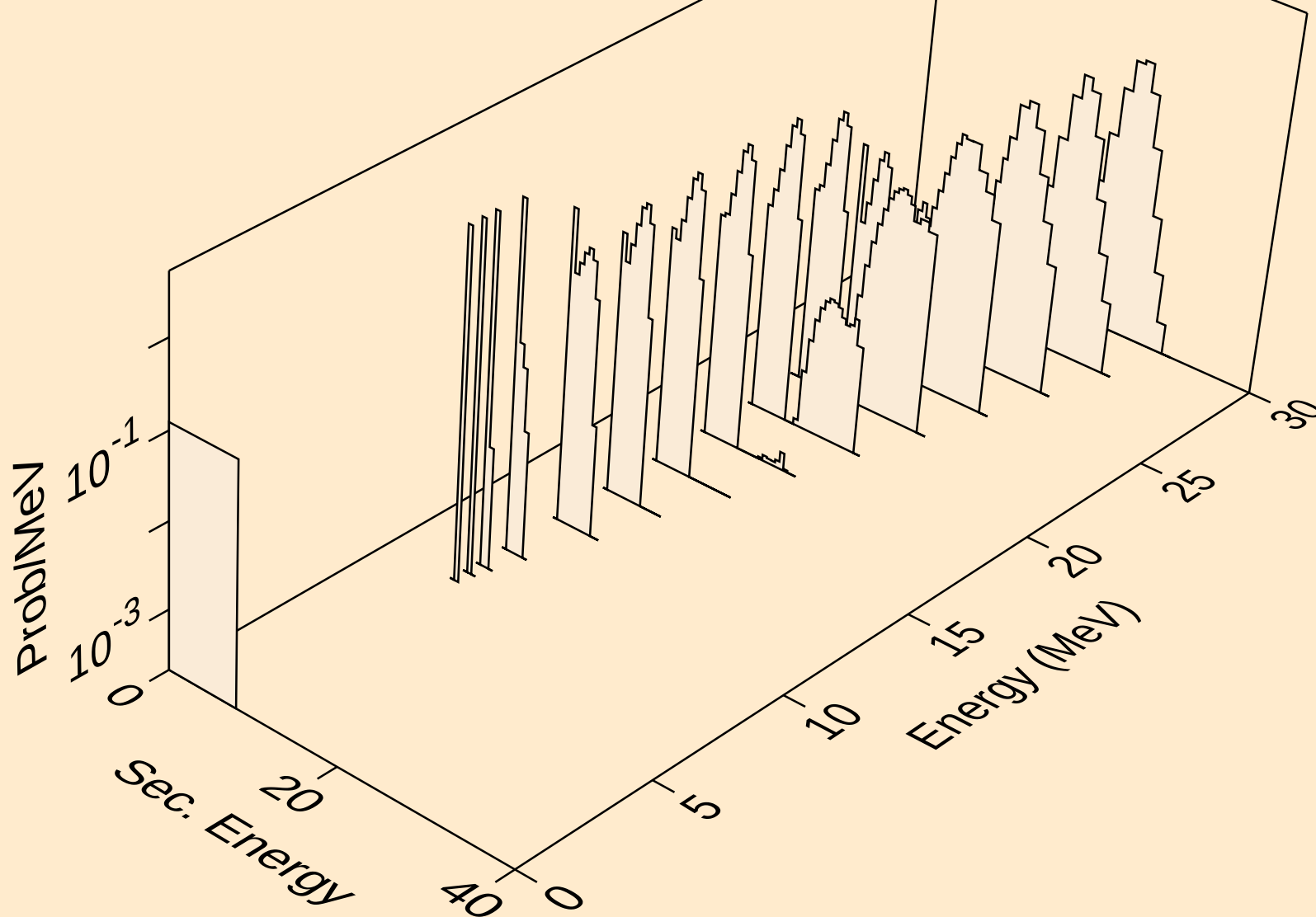
MD249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,x)



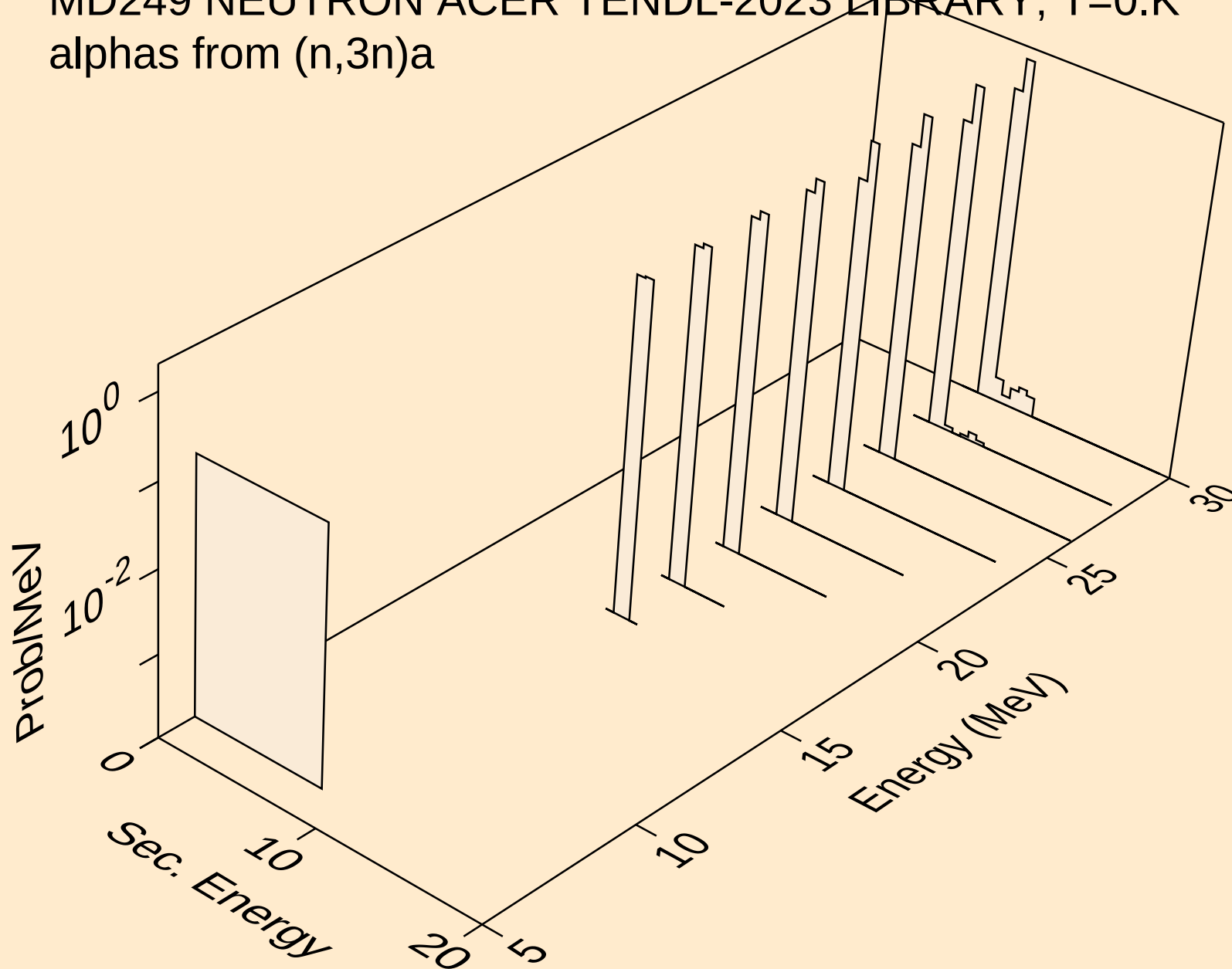
MD249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)a



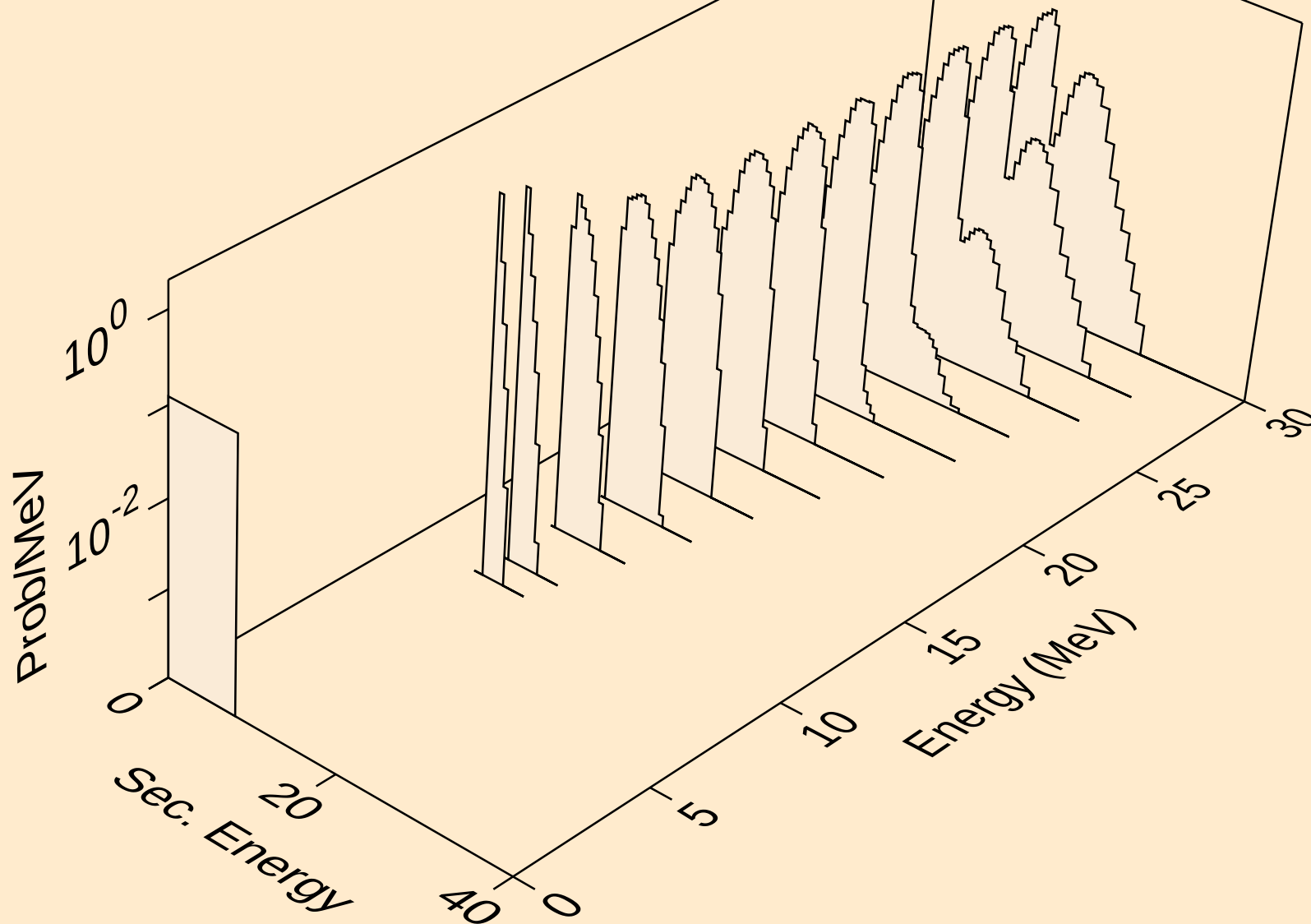
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alphas from (n,2n)a



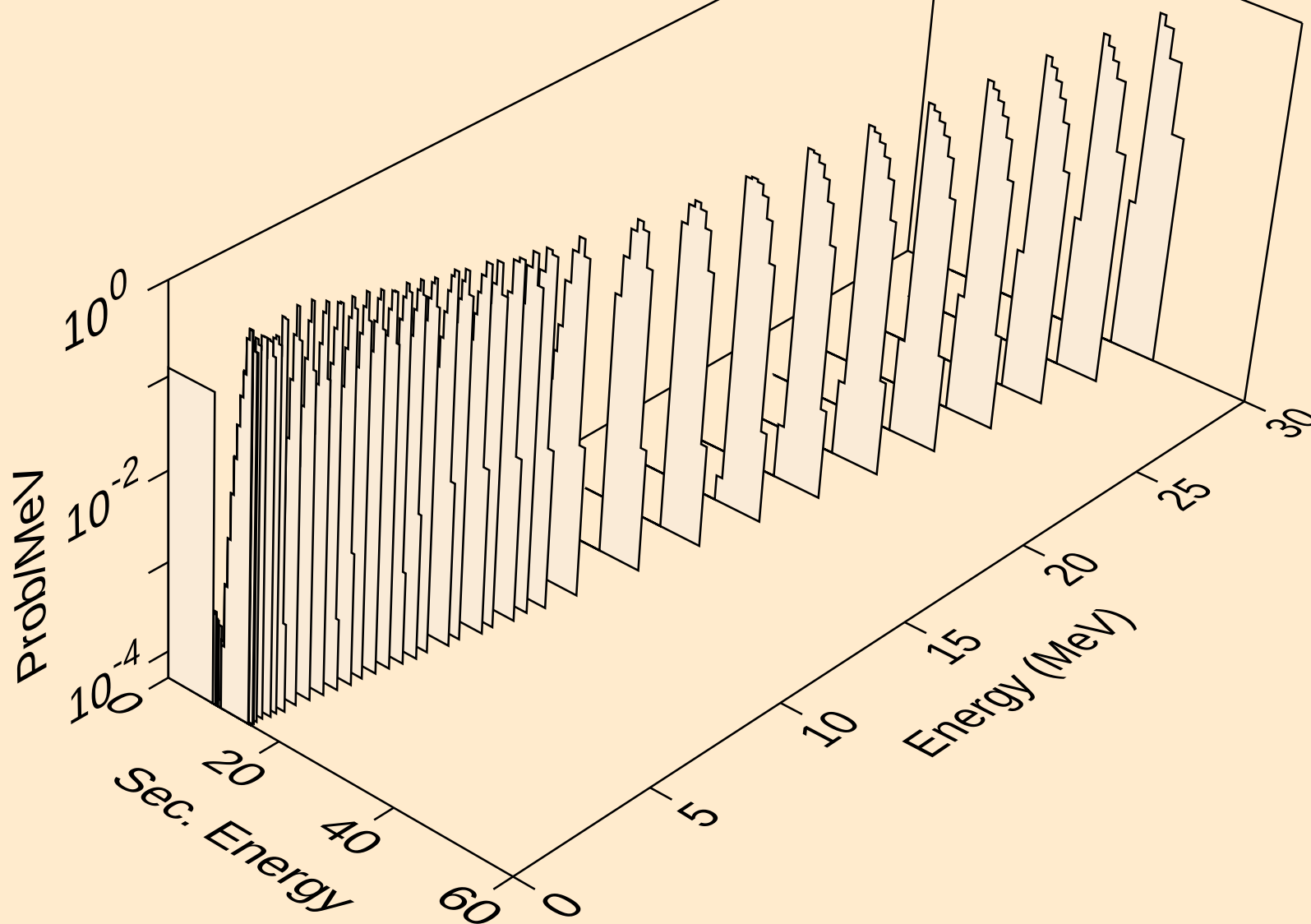
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alphas from (n,3n)a



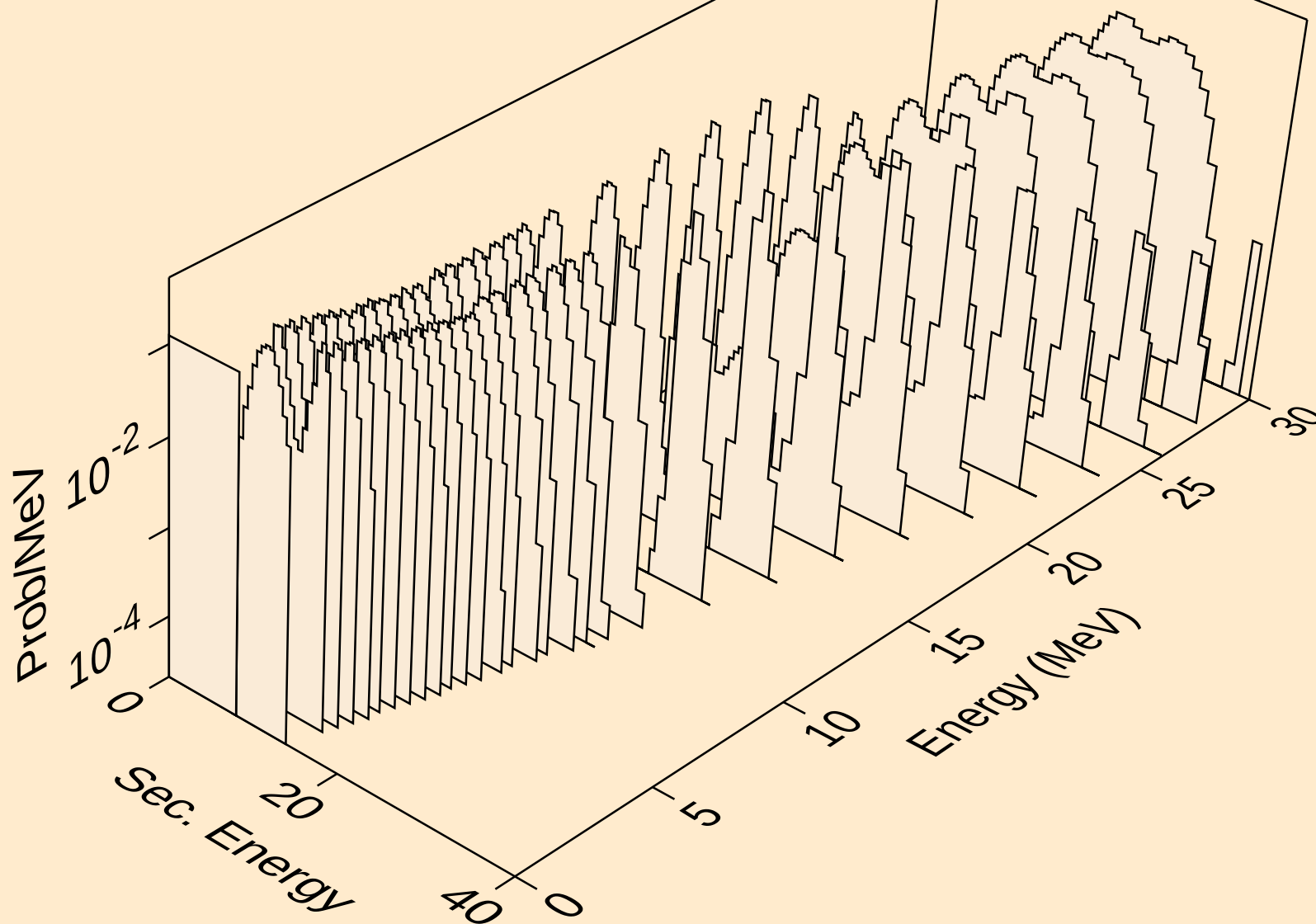
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alphas from (n,npa)



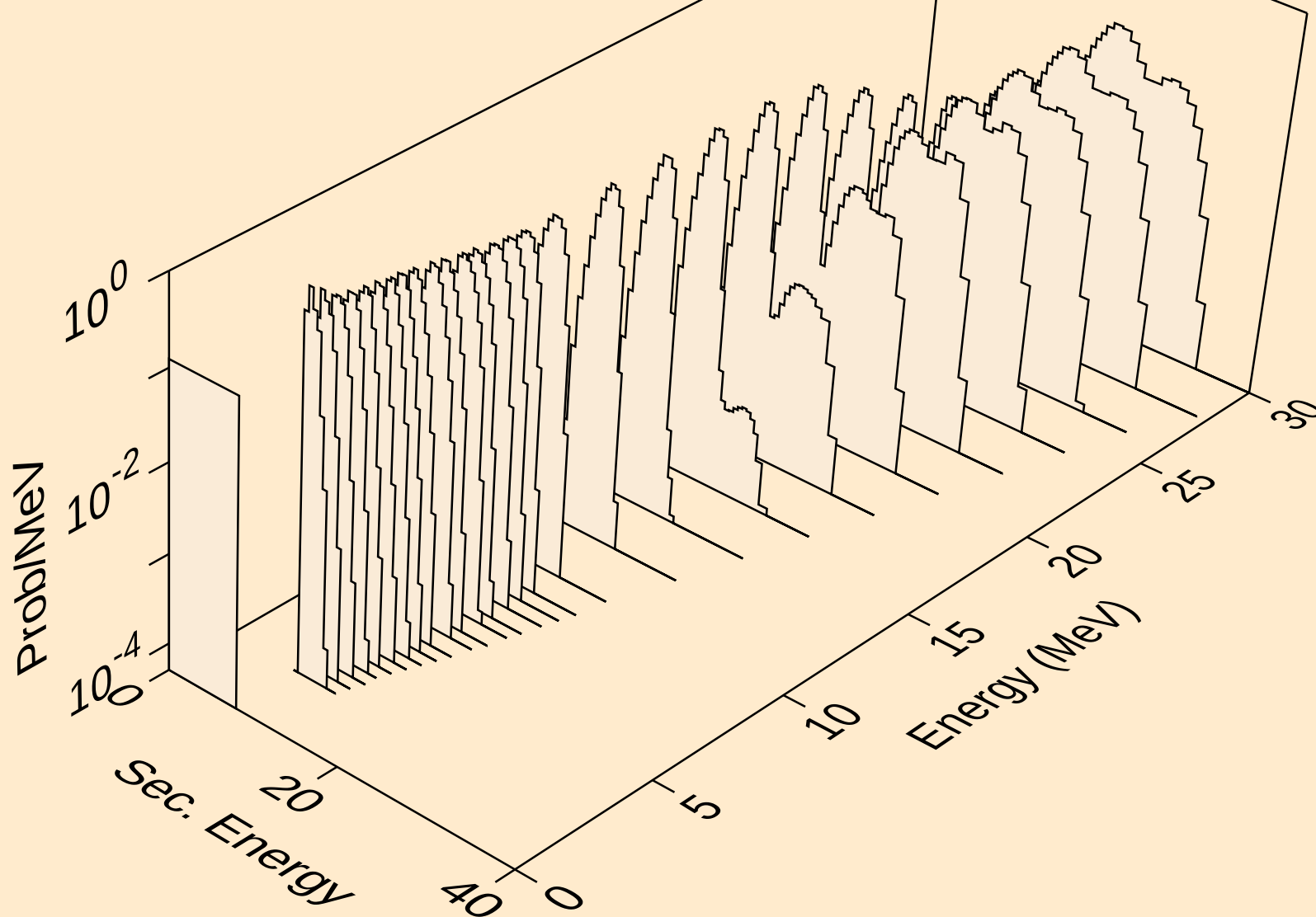
MD249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,a)



MD249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2a)



MD249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,pa)



MD249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,da)

