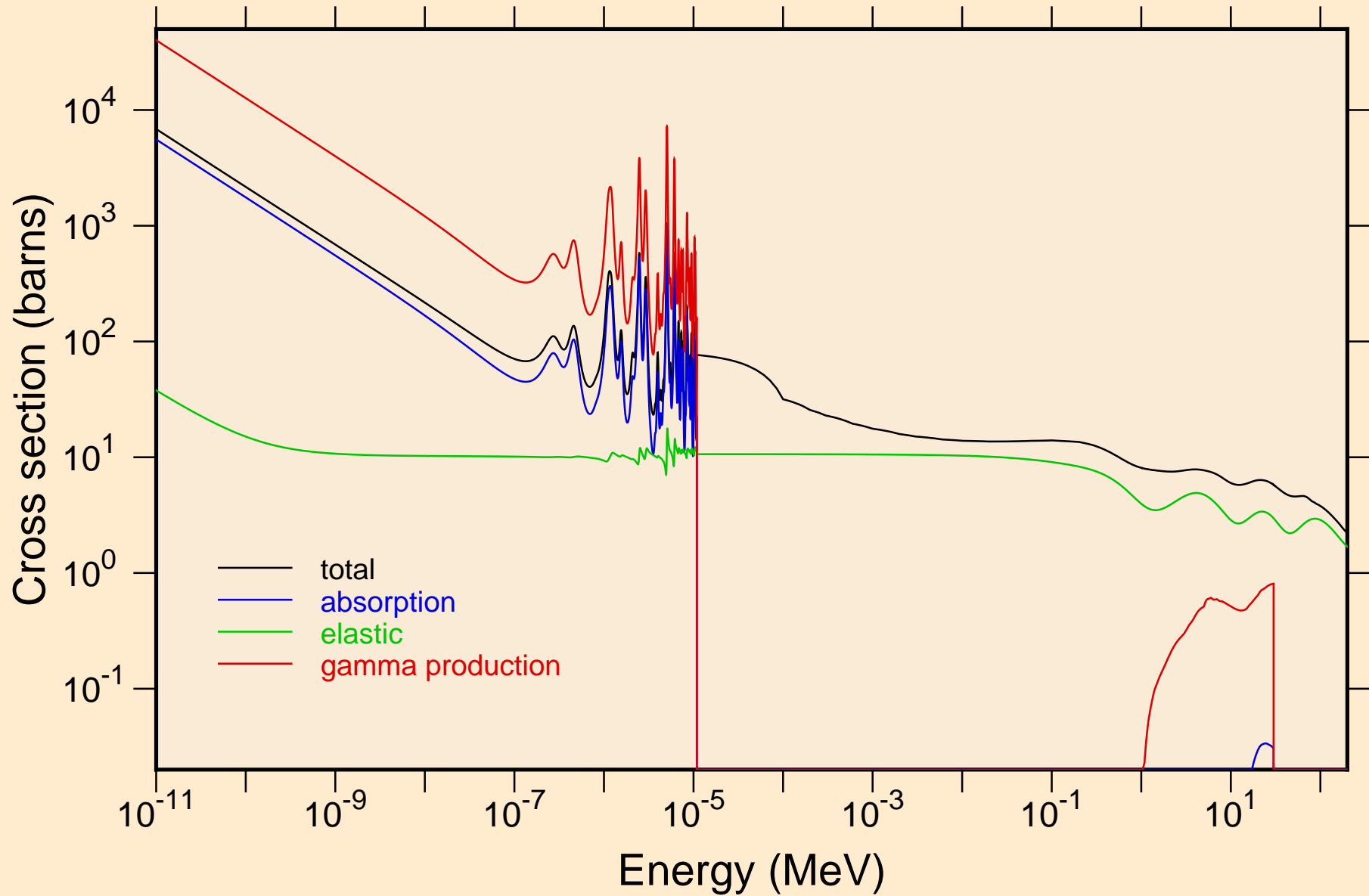
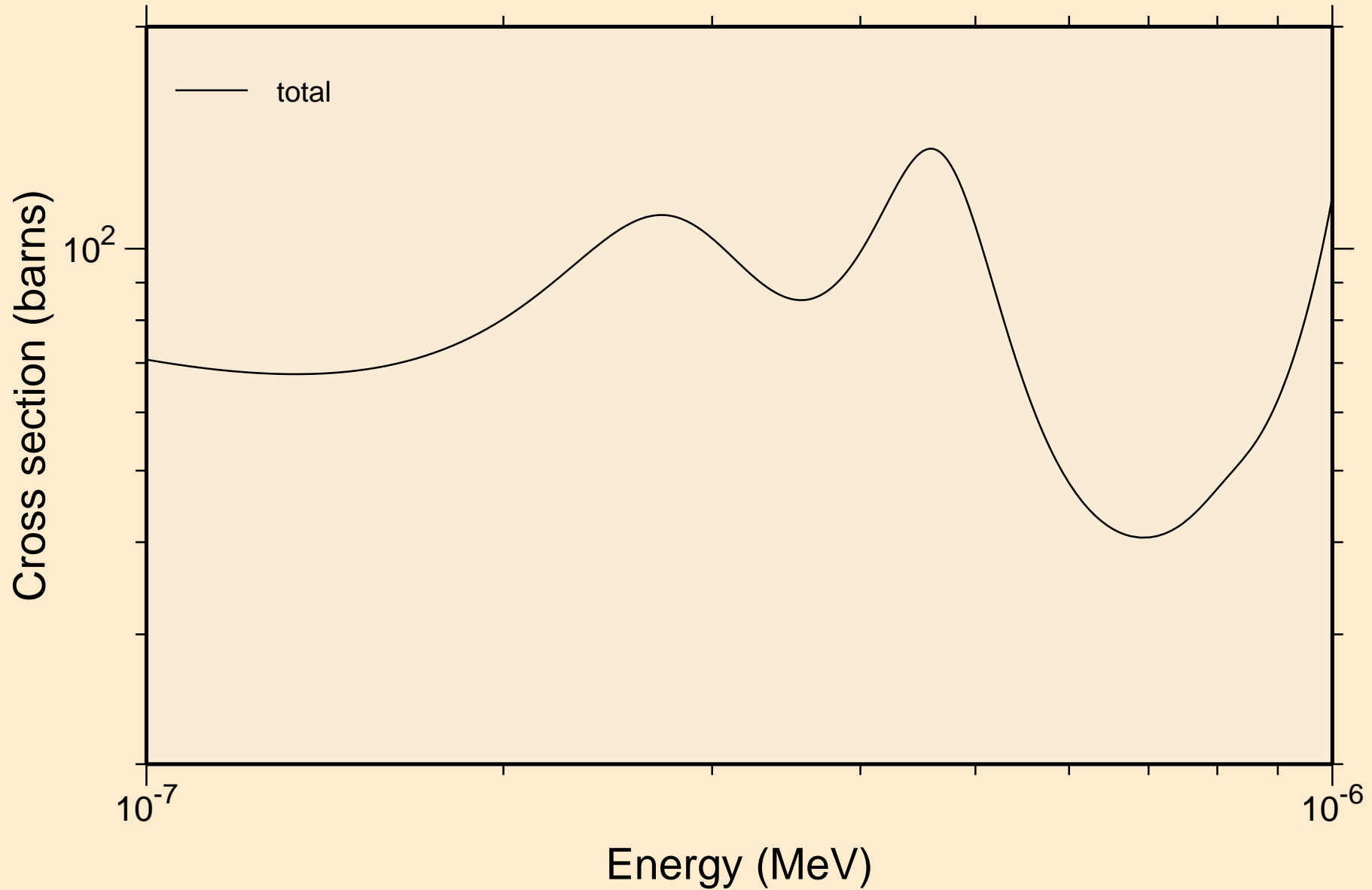


# MD253 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

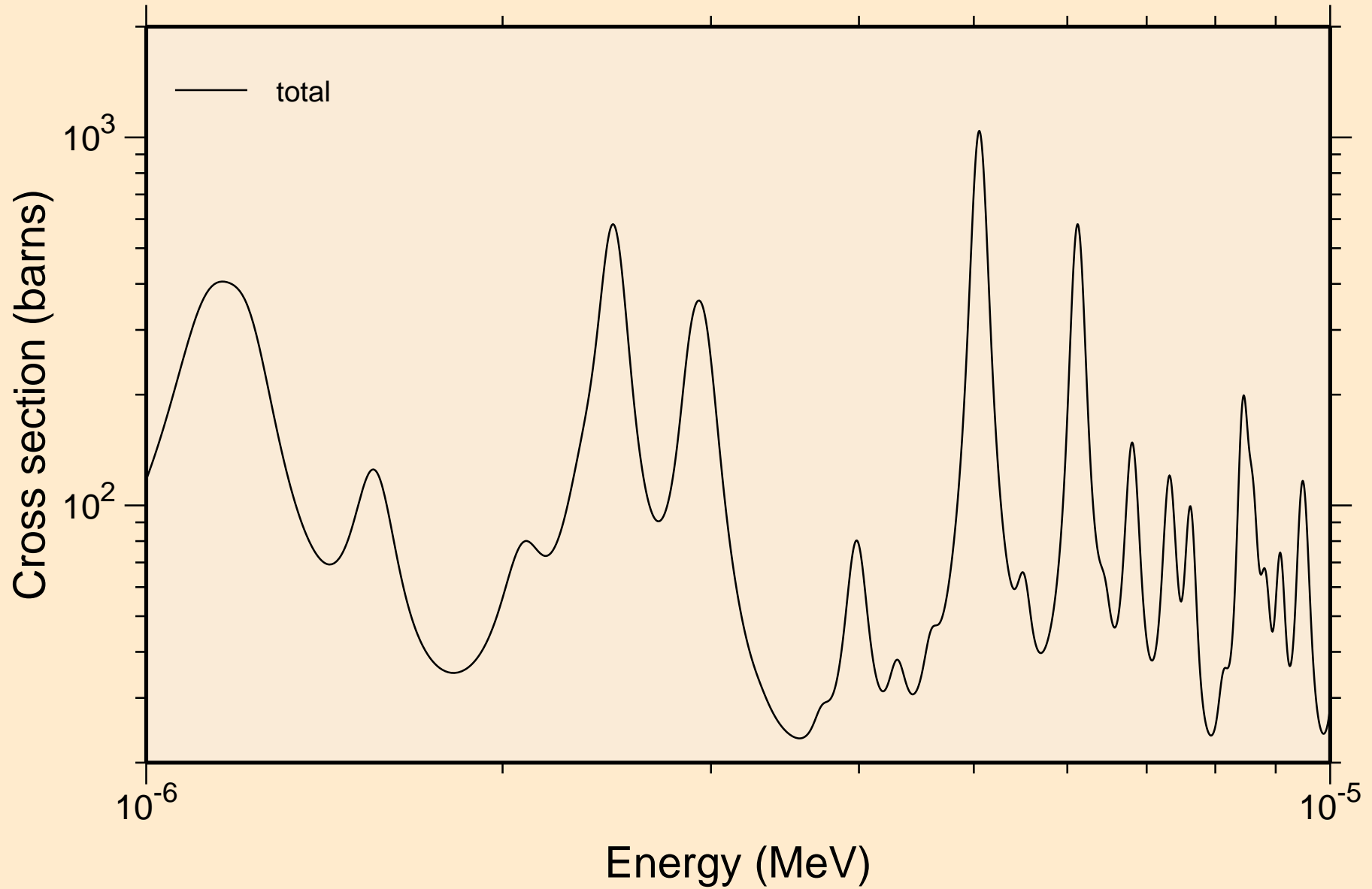
## Principal cross sections



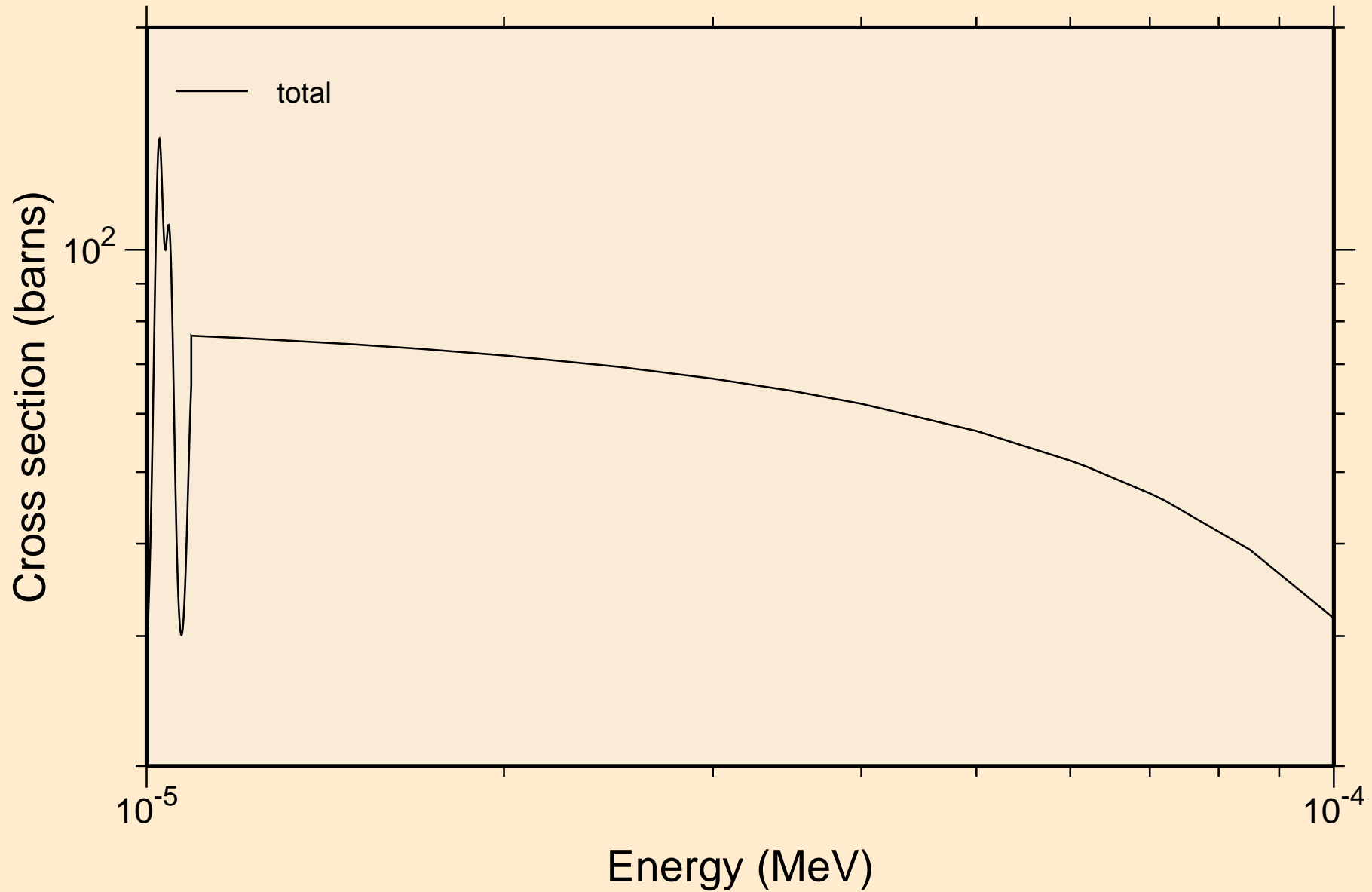
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resonance total cross section



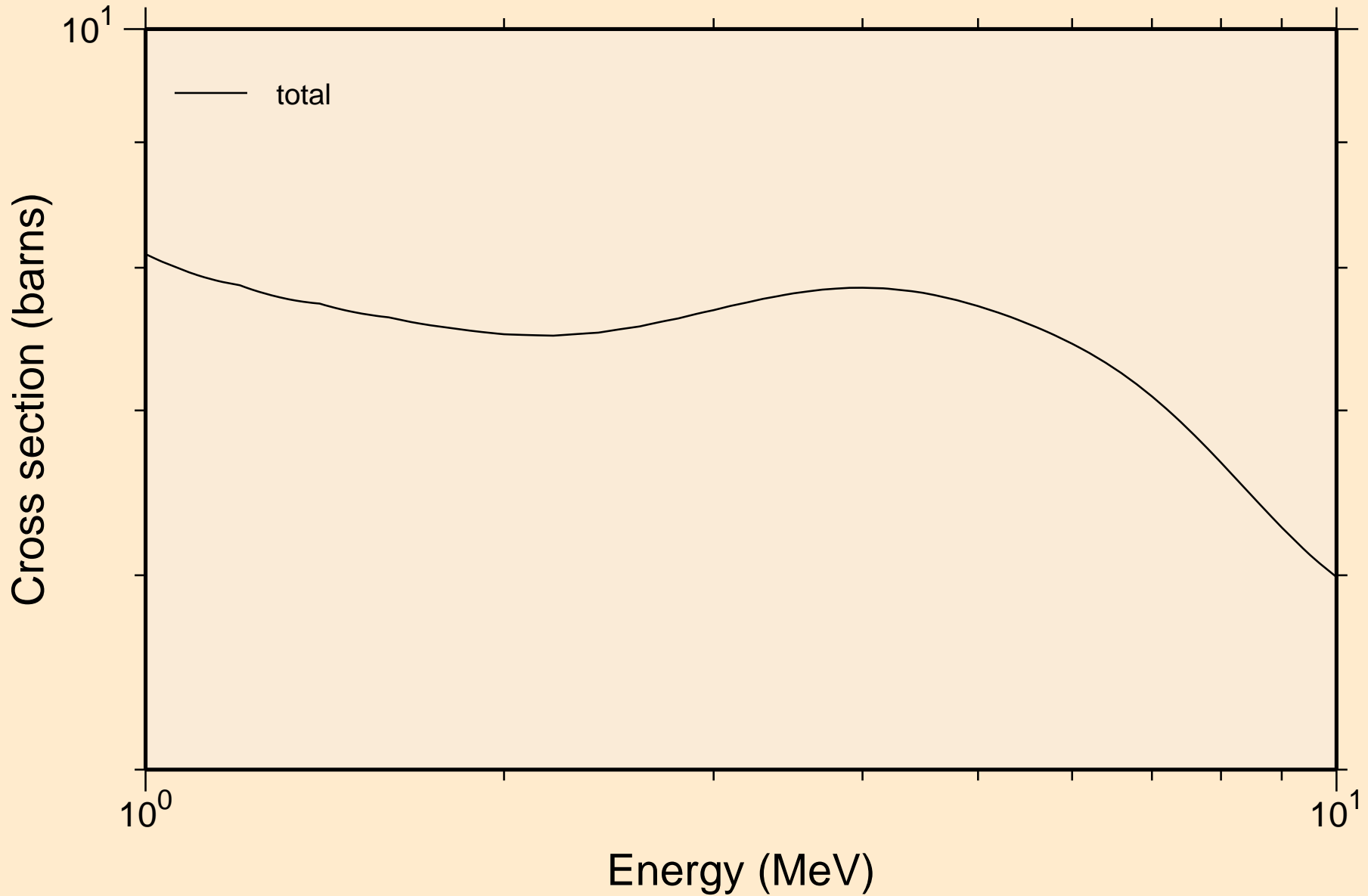
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resonance total cross section



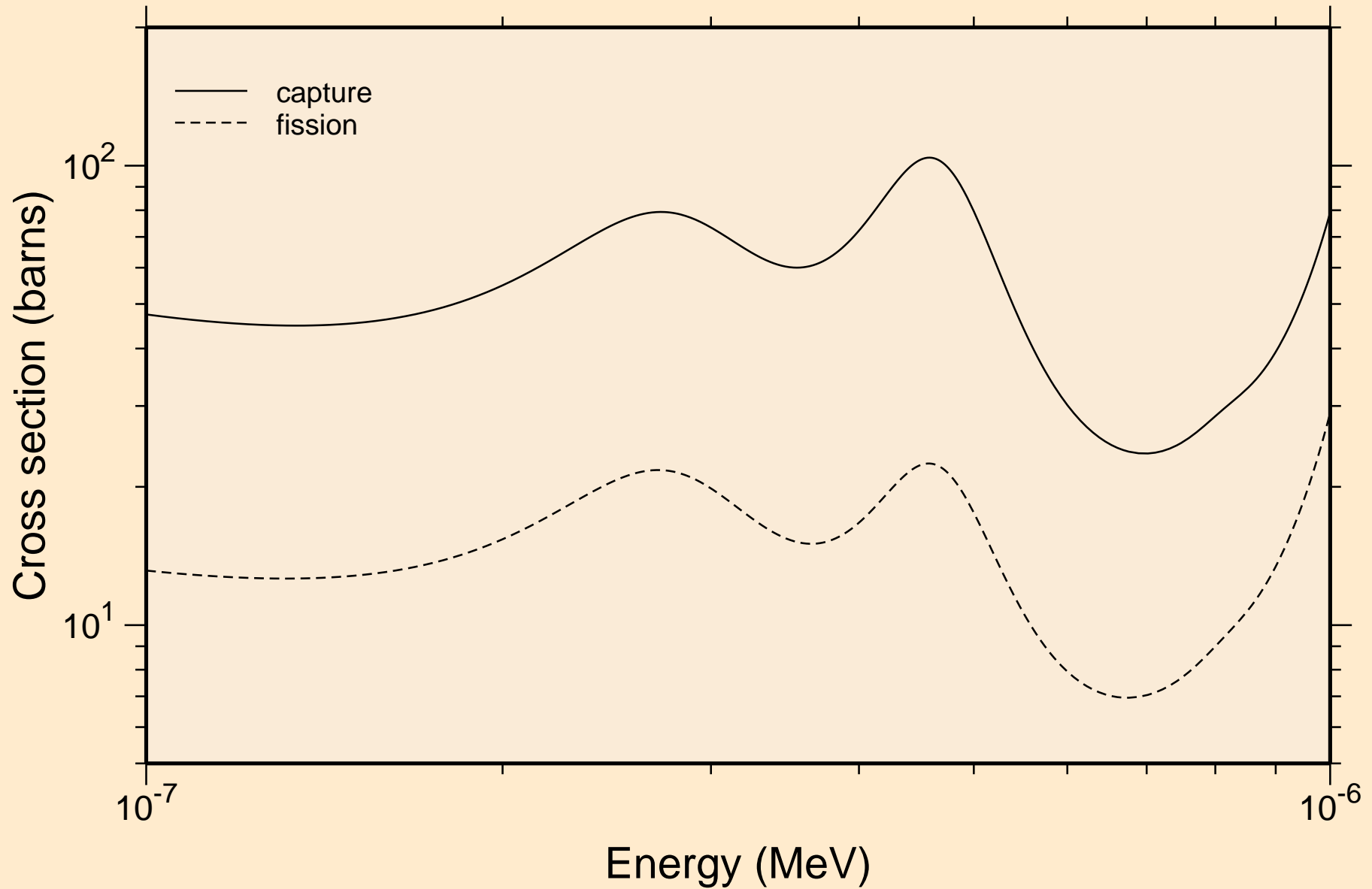
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resonance total cross section



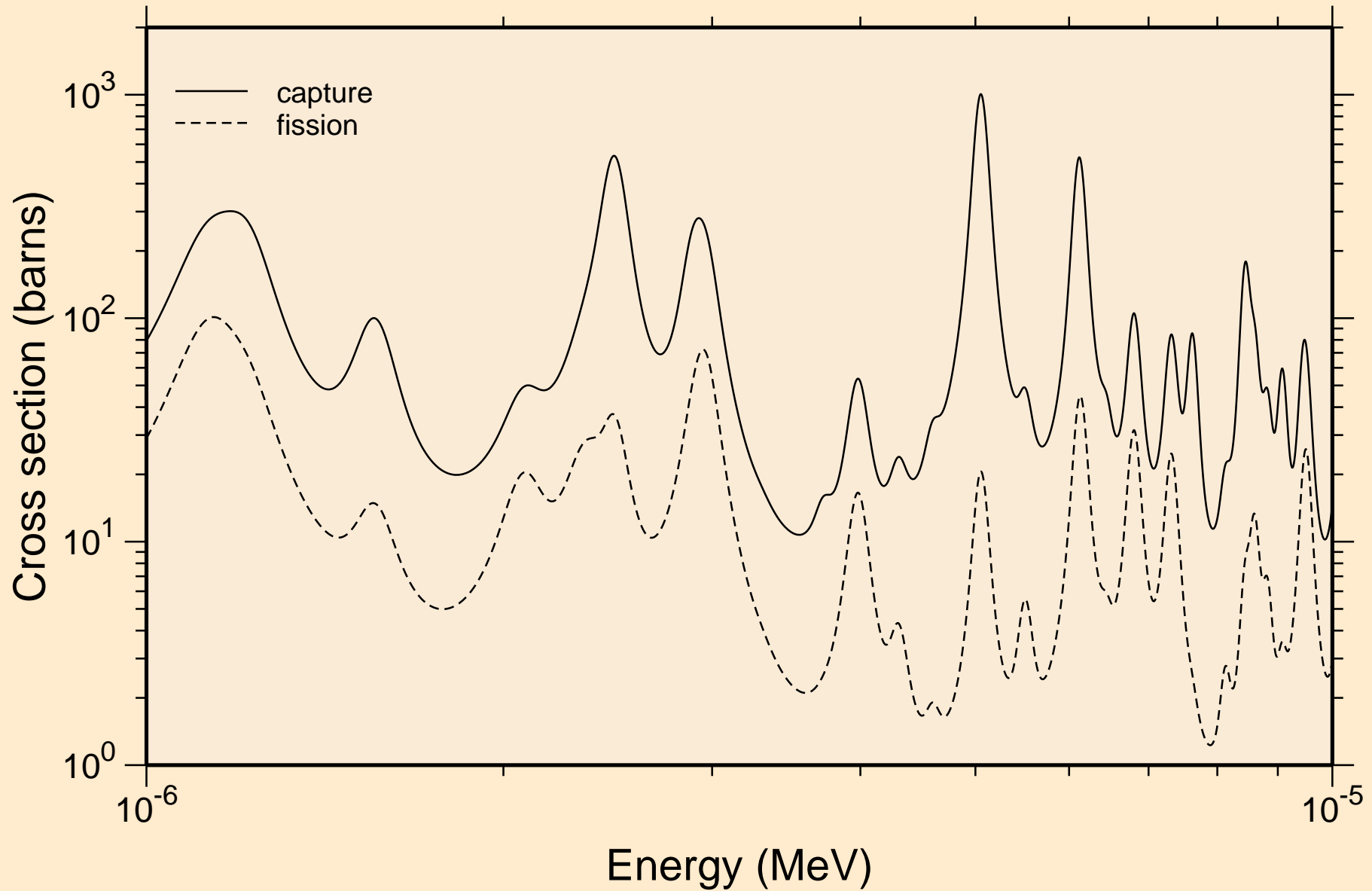
MD253 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance total cross section



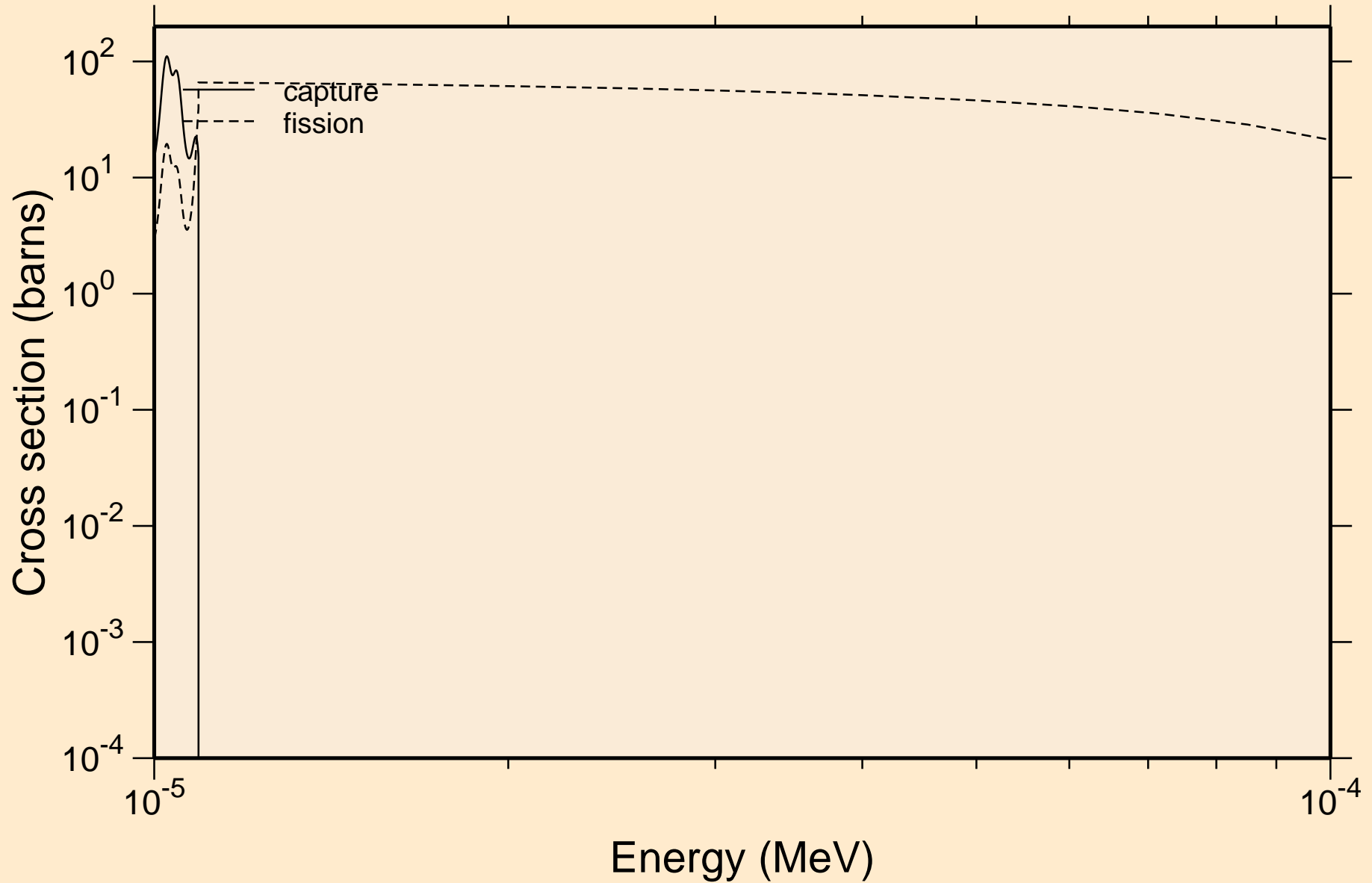
MD253 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance absorption cross sections



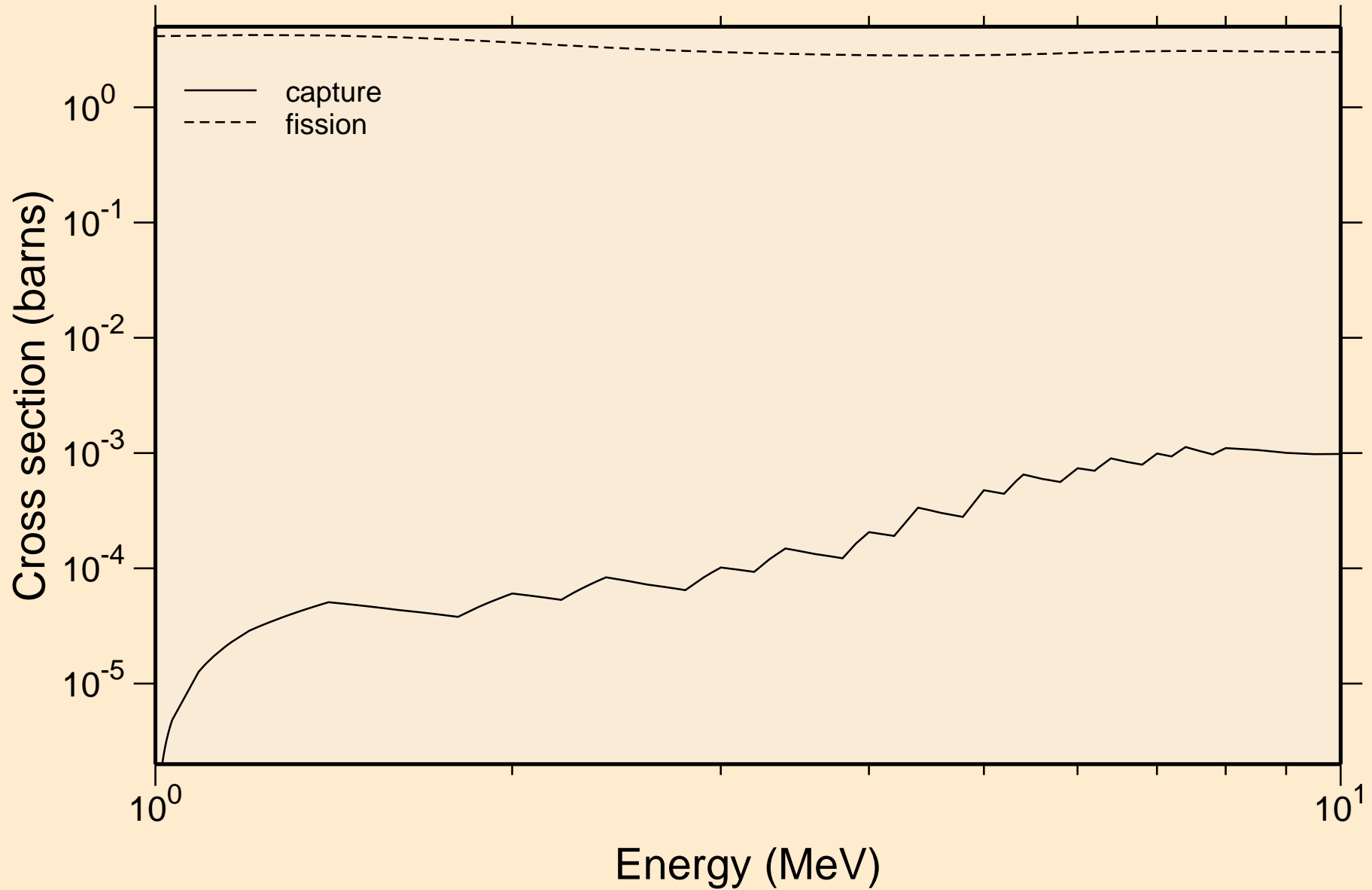
MD253 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance absorption cross sections



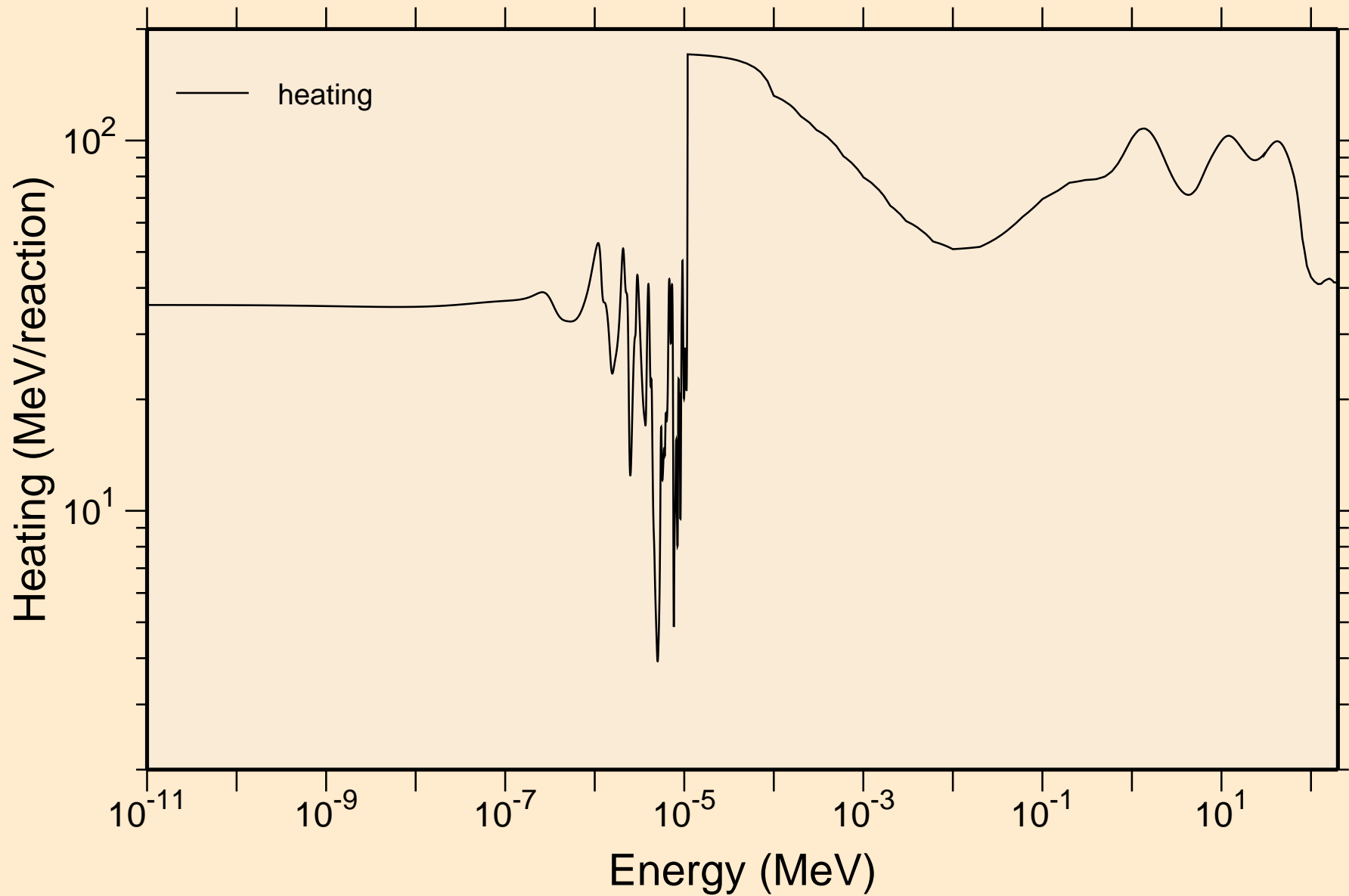
MD253 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance absorption cross sections



MD253 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance absorption cross sections

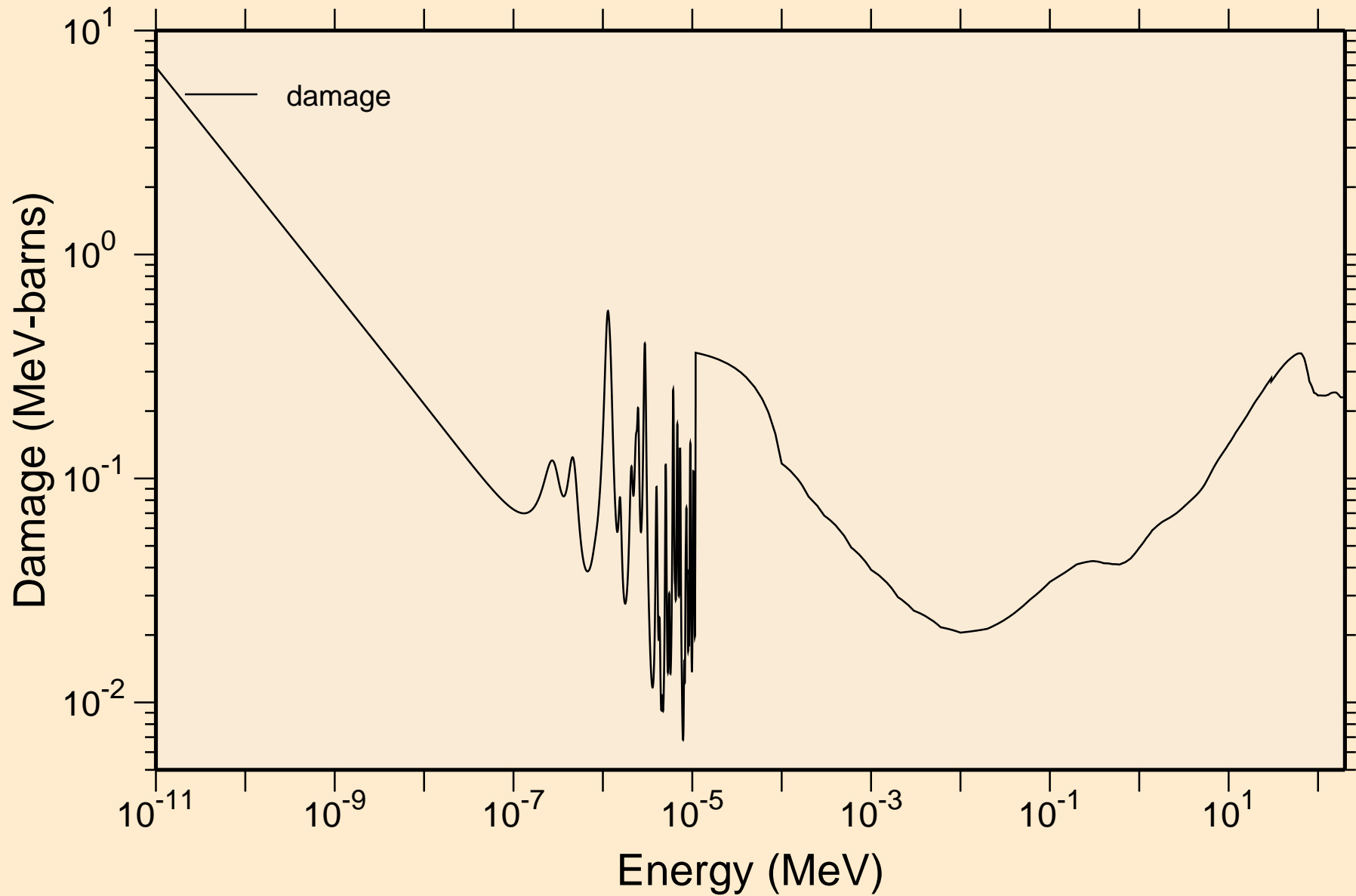


MD253 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Heating



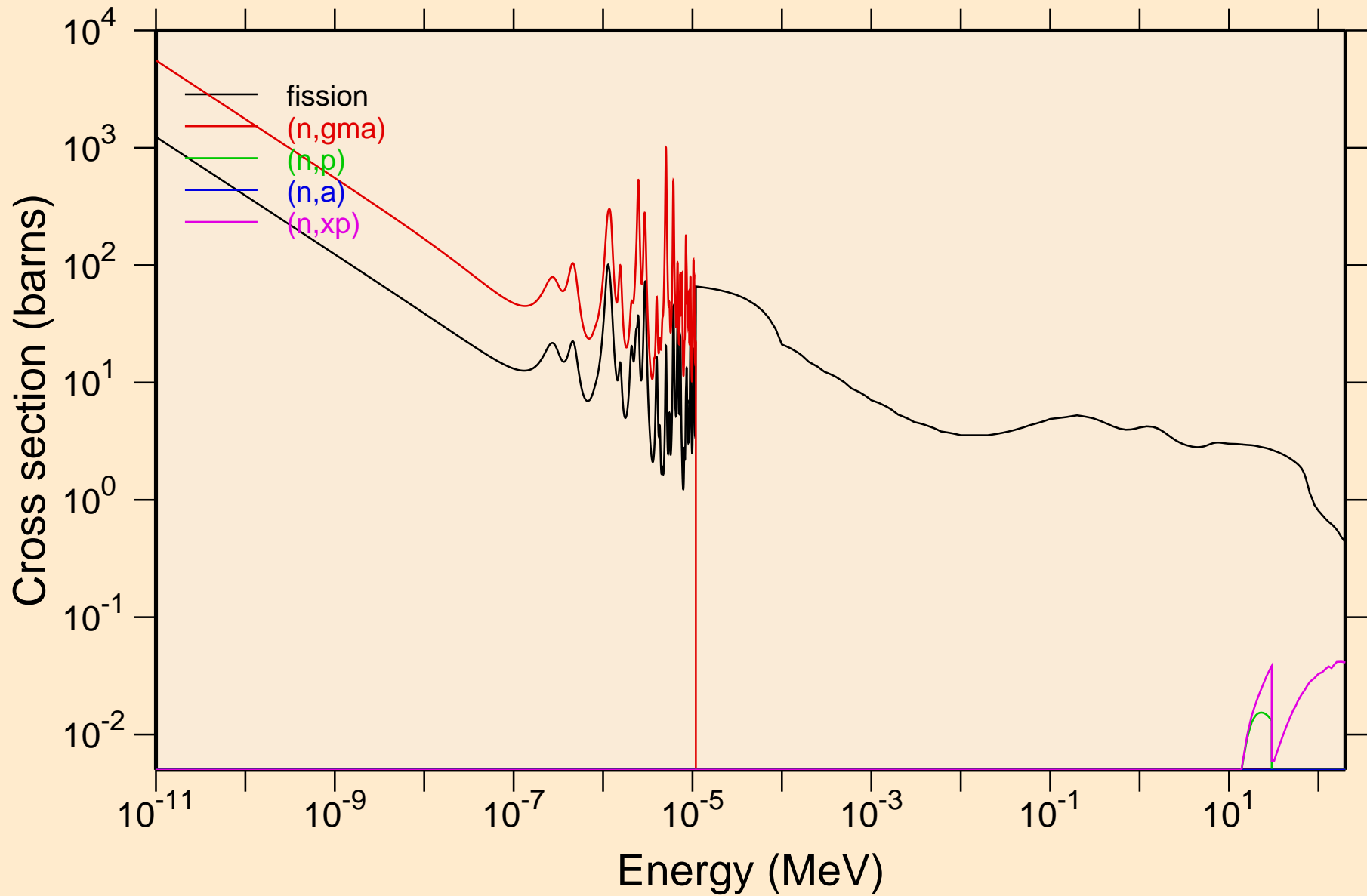
# MD253 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

## Damage

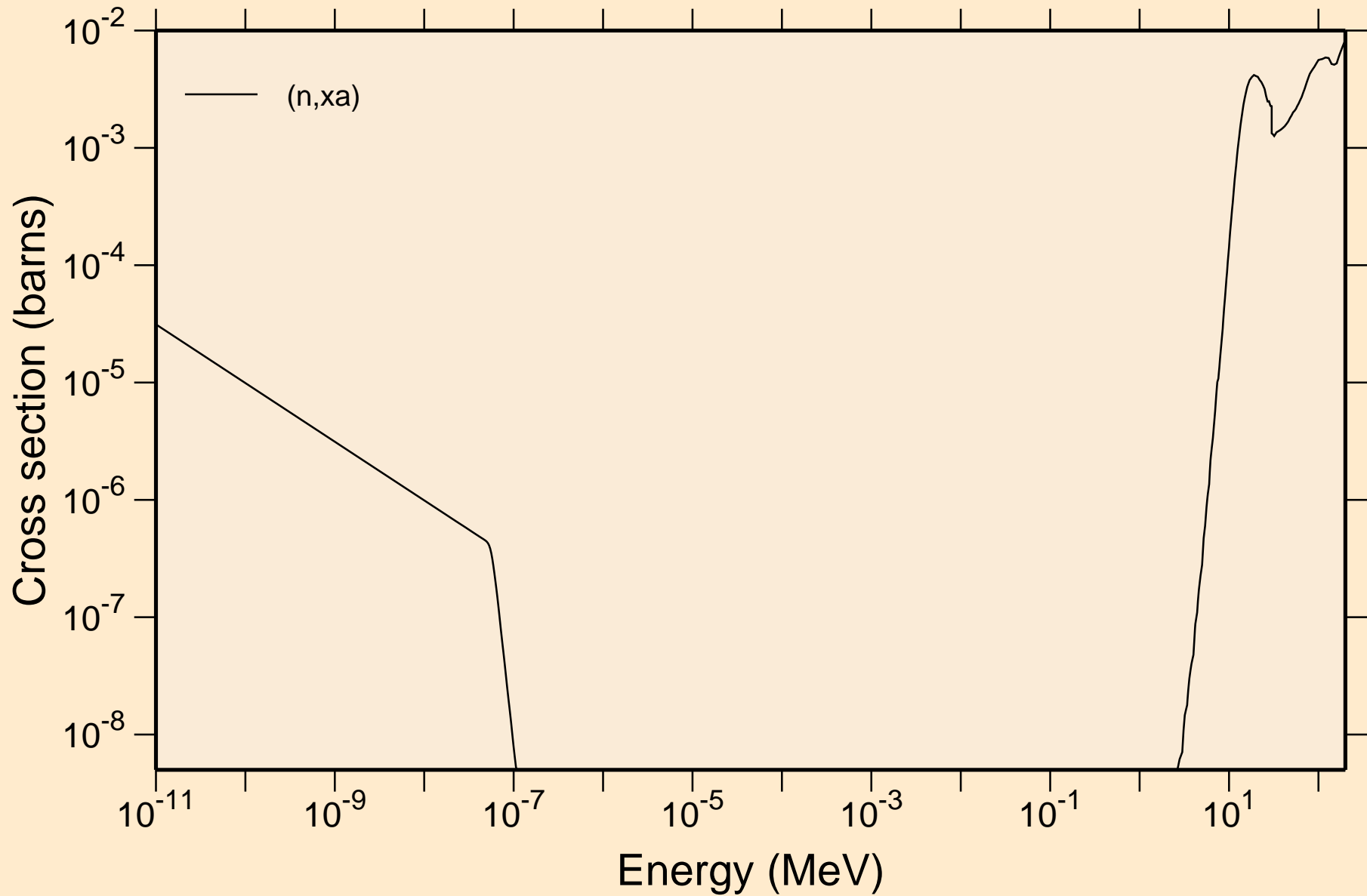


# MD253 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

## Non-threshold reactions

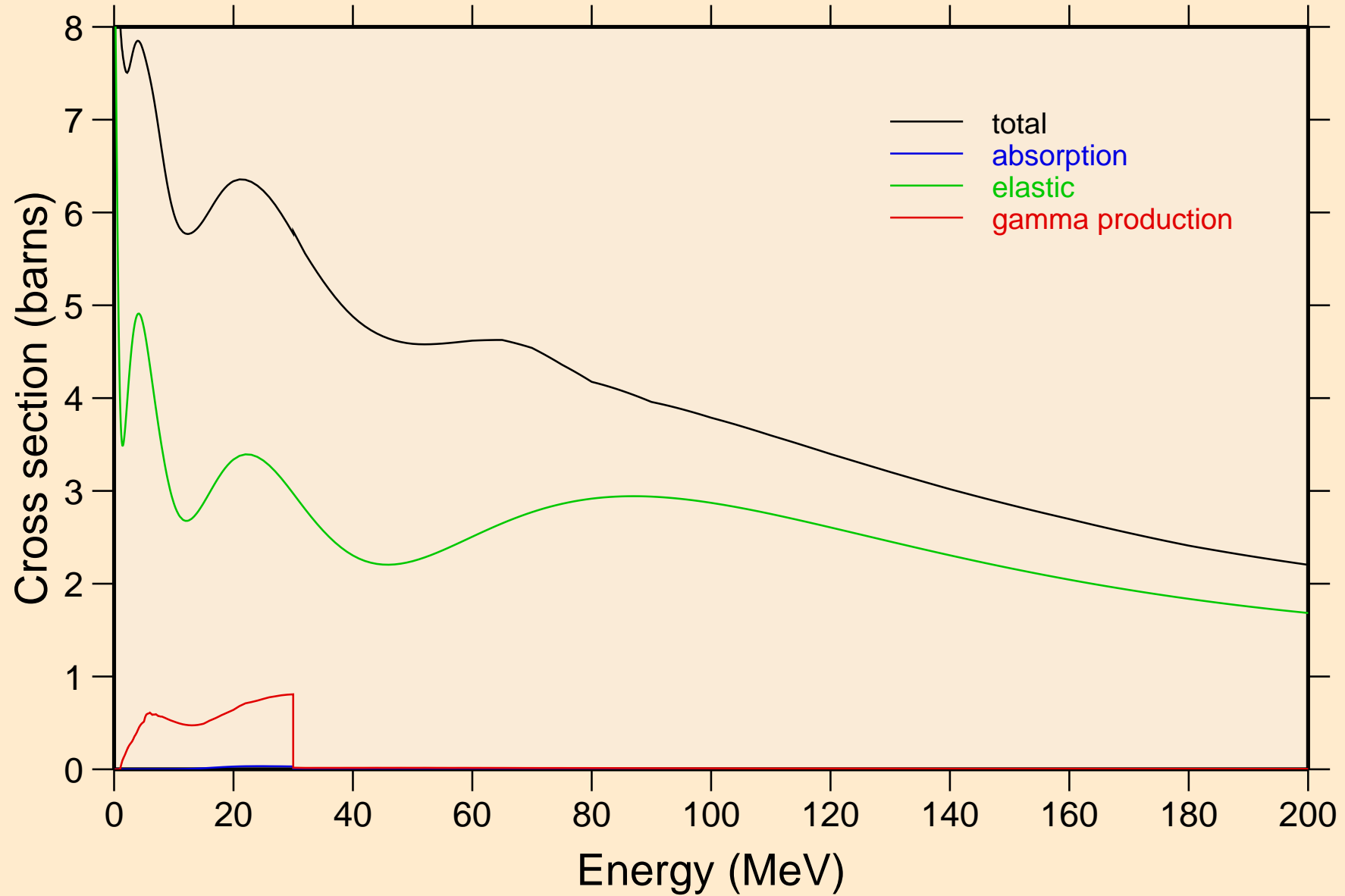


MD253 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Non-threshold reactions

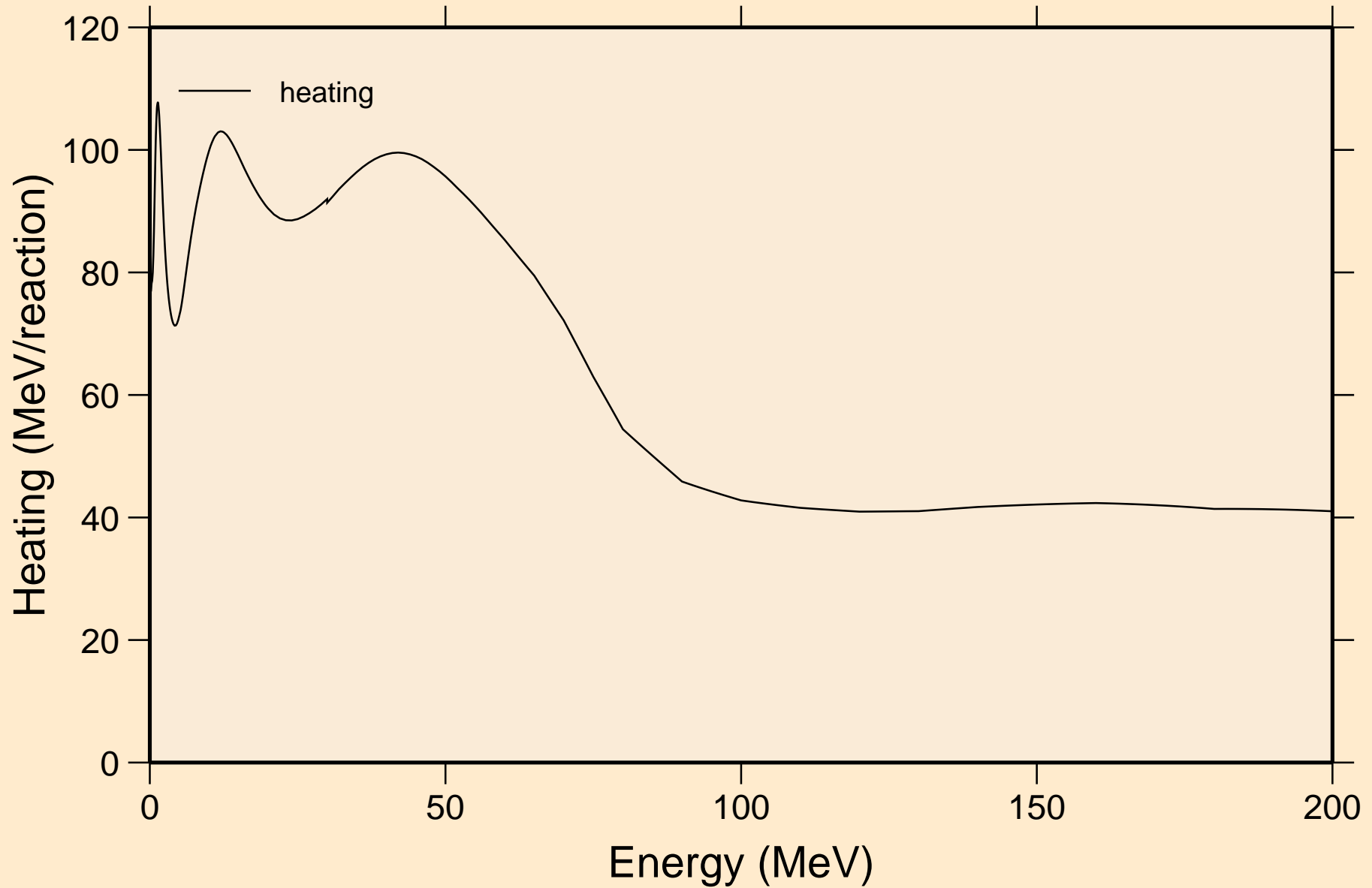


# MD253 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

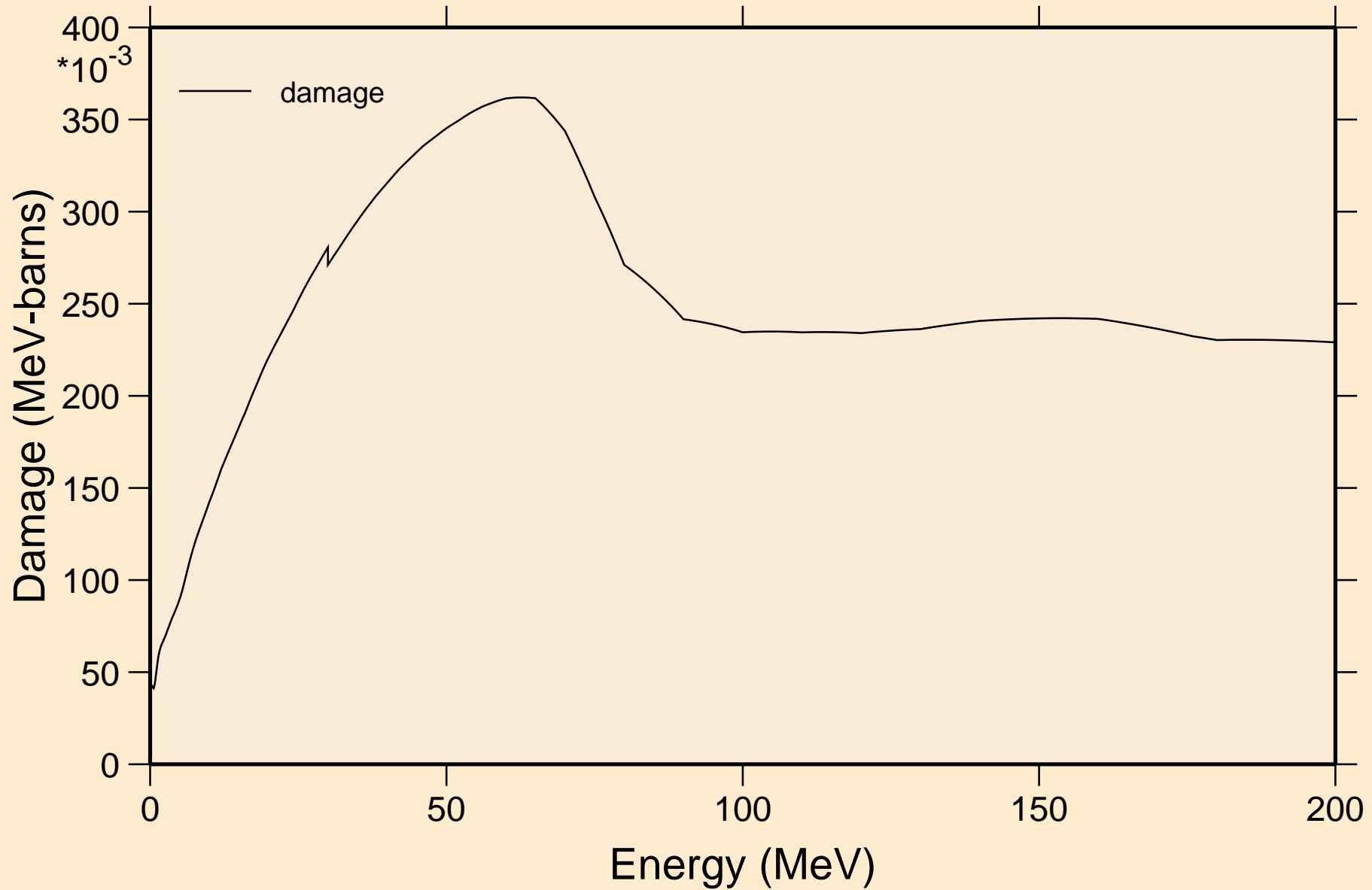
## Principal cross sections



MD253 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Heating

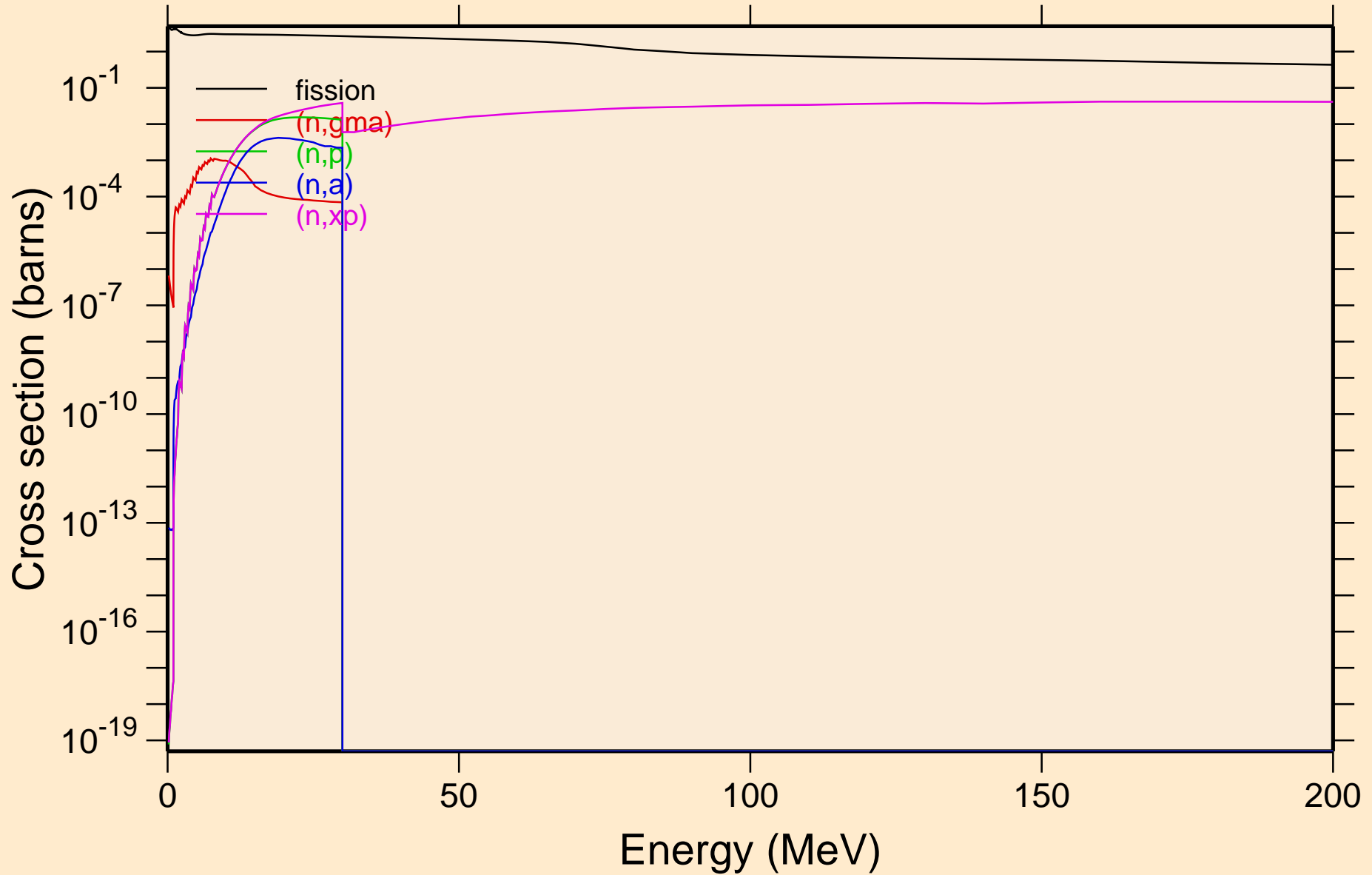


MD253 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Damage

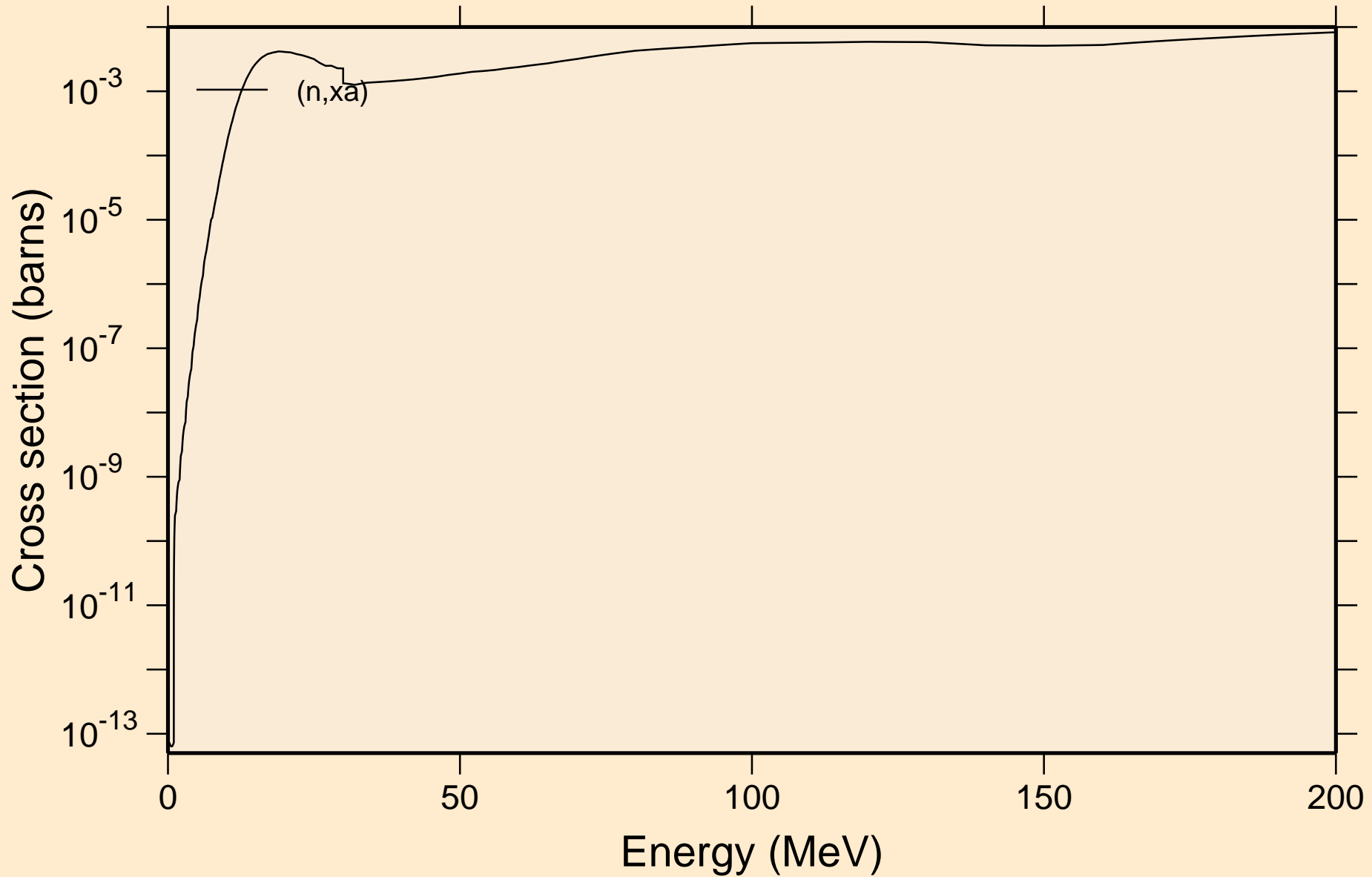


# MD253 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

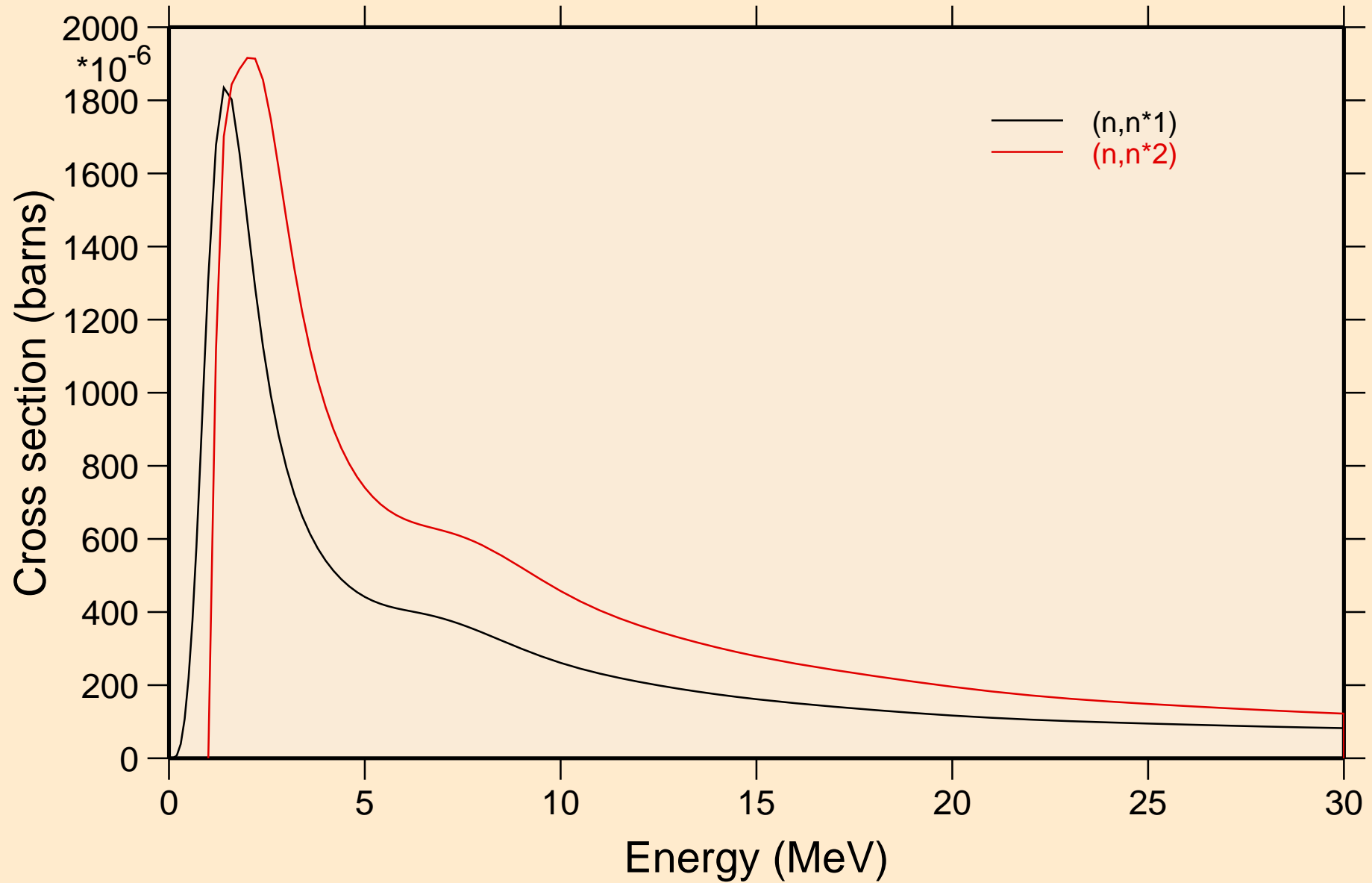
## Non-threshold reactions



MD253 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Non-threshold reactions

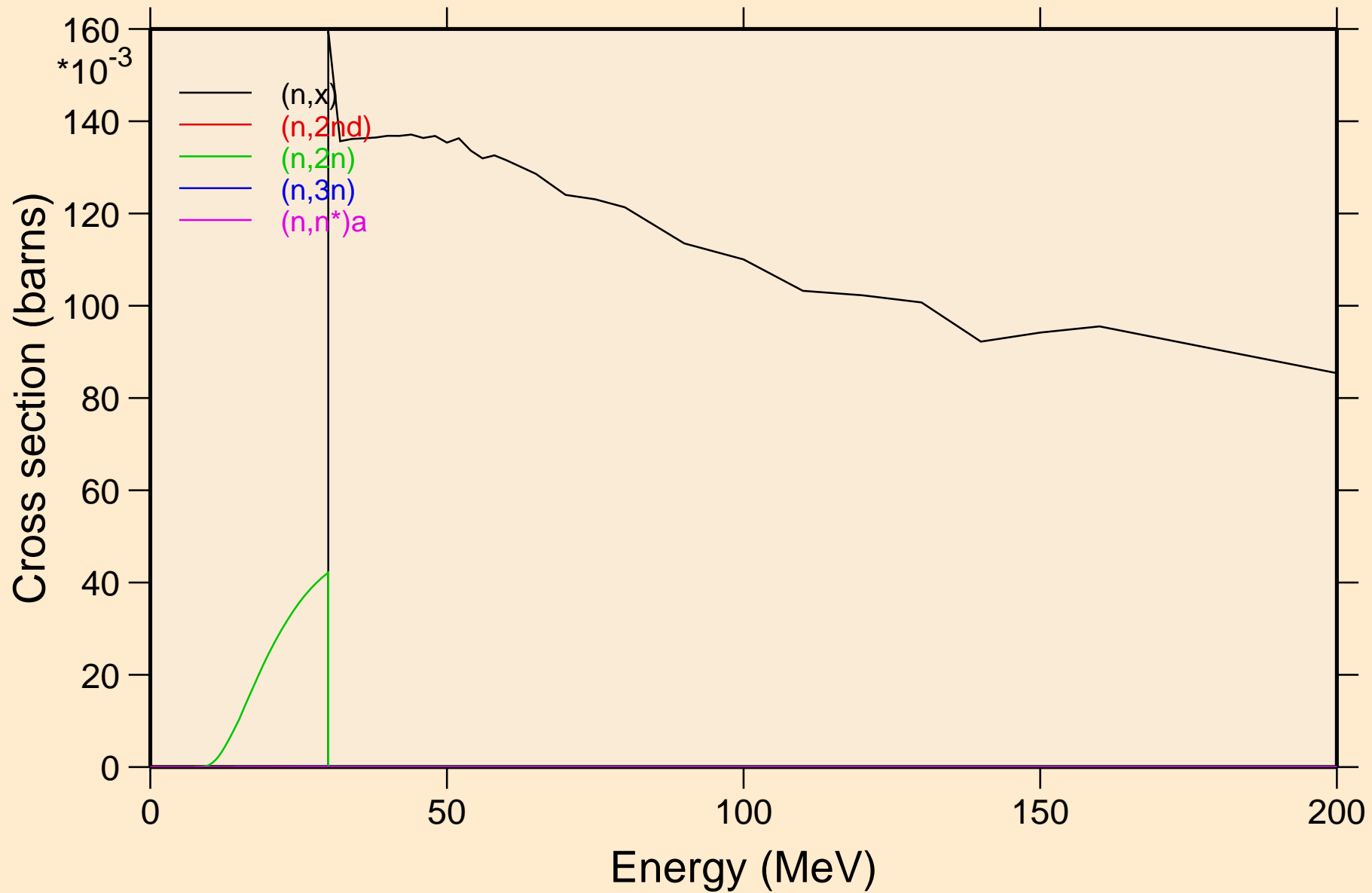


MD253 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Inelastic levels

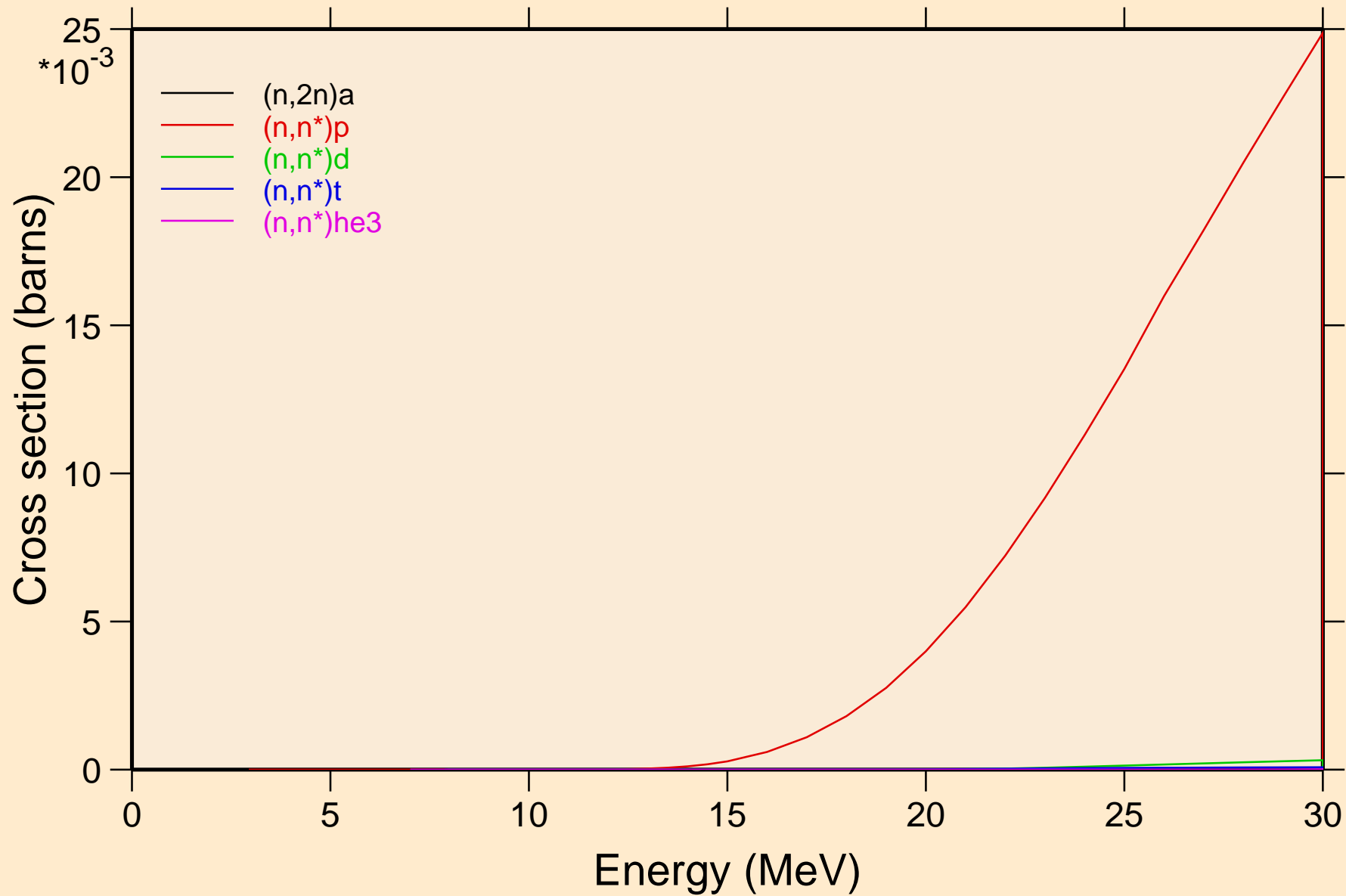


# MD253 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

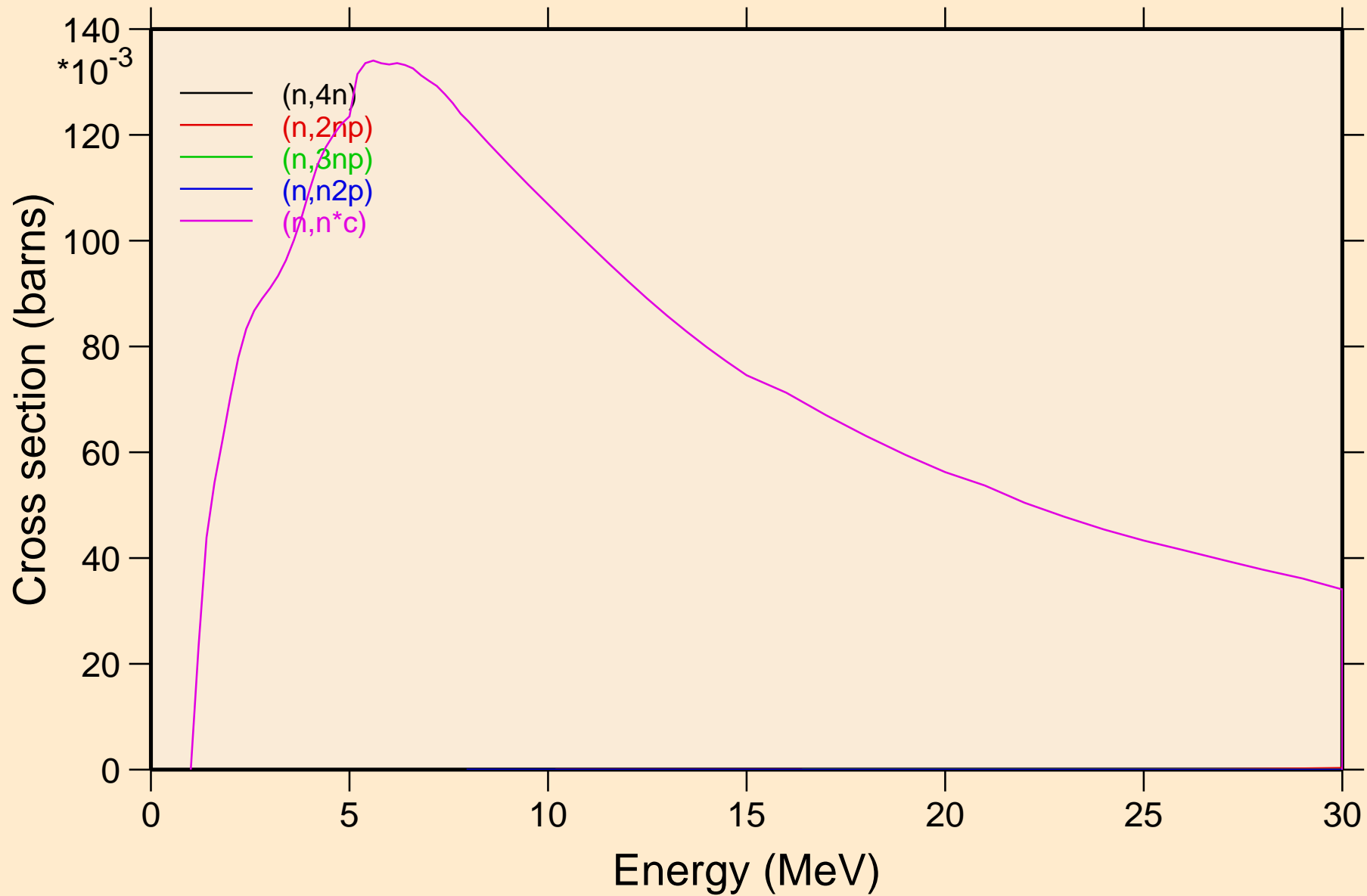
## Threshold reactions



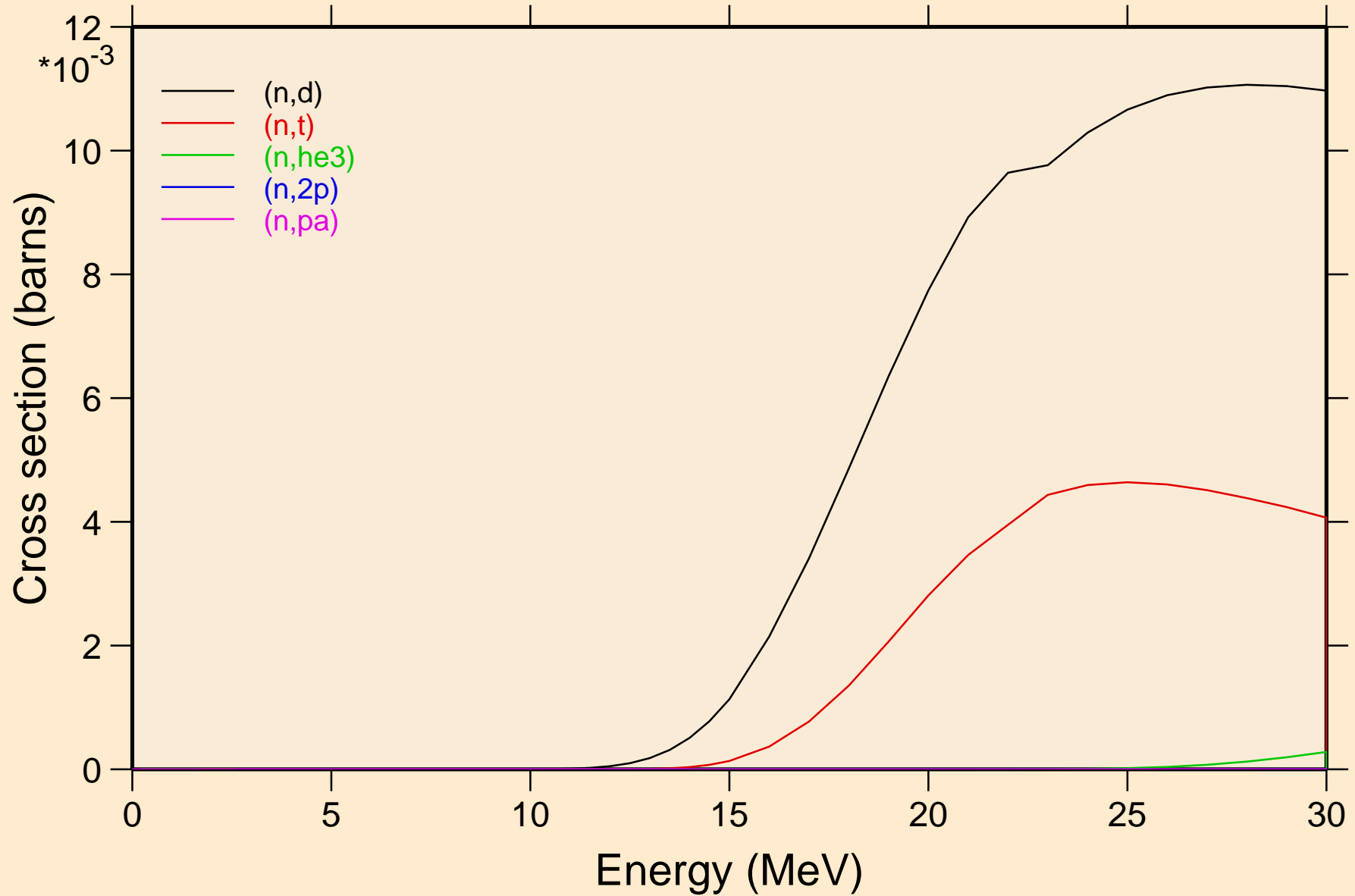
MD253 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Threshold reactions



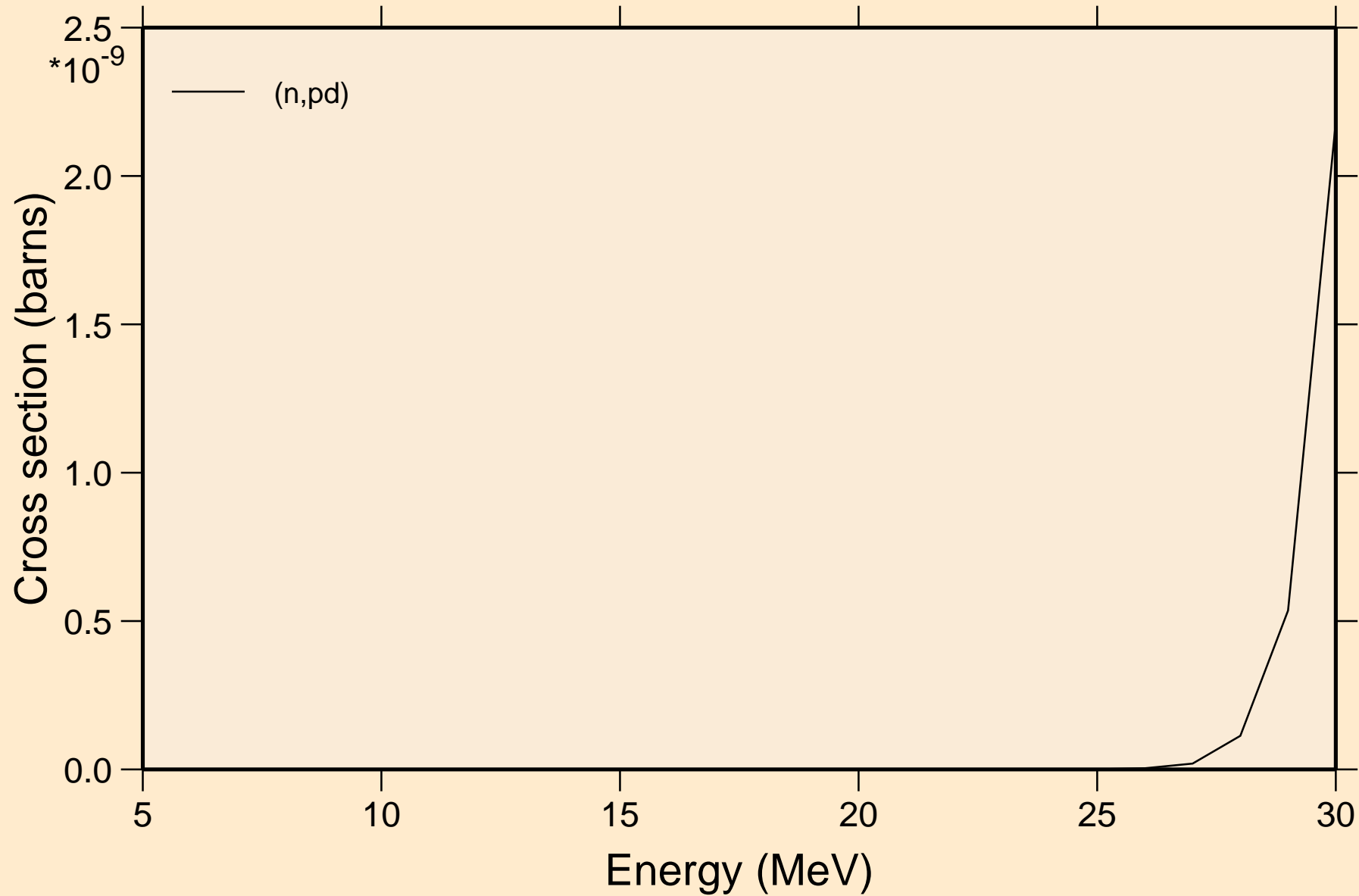
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Threshold reactions



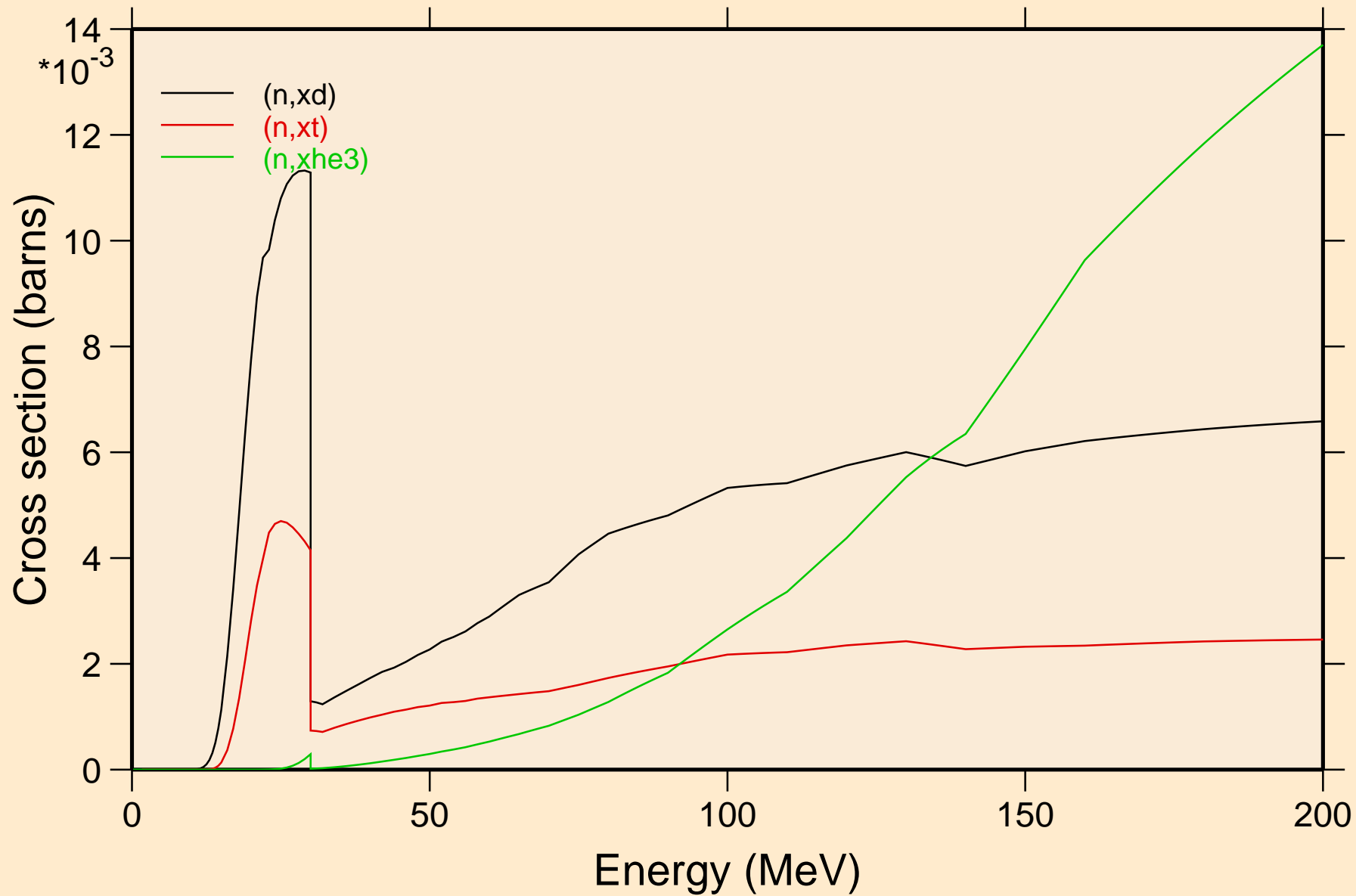
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Threshold reactions



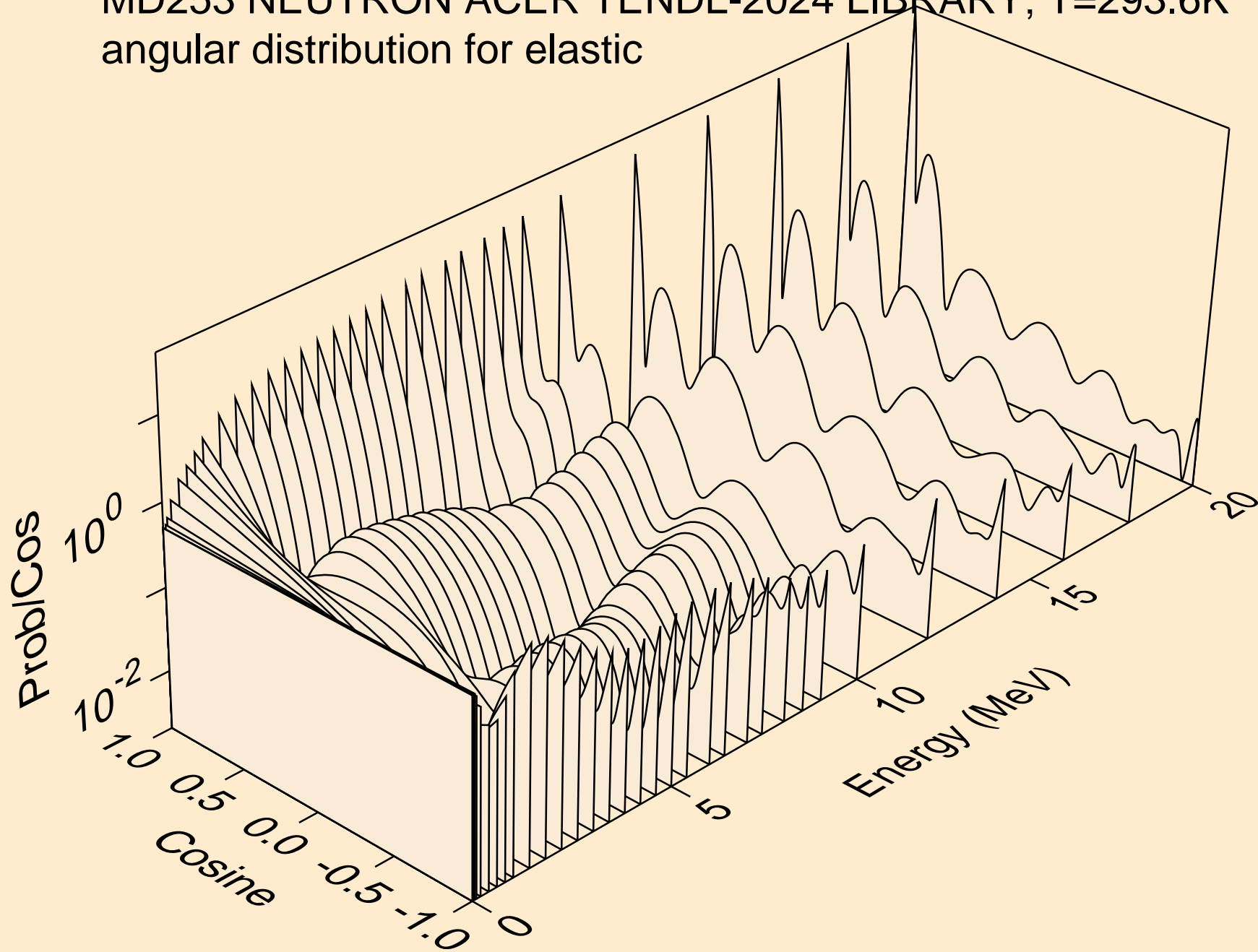
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Threshold reactions



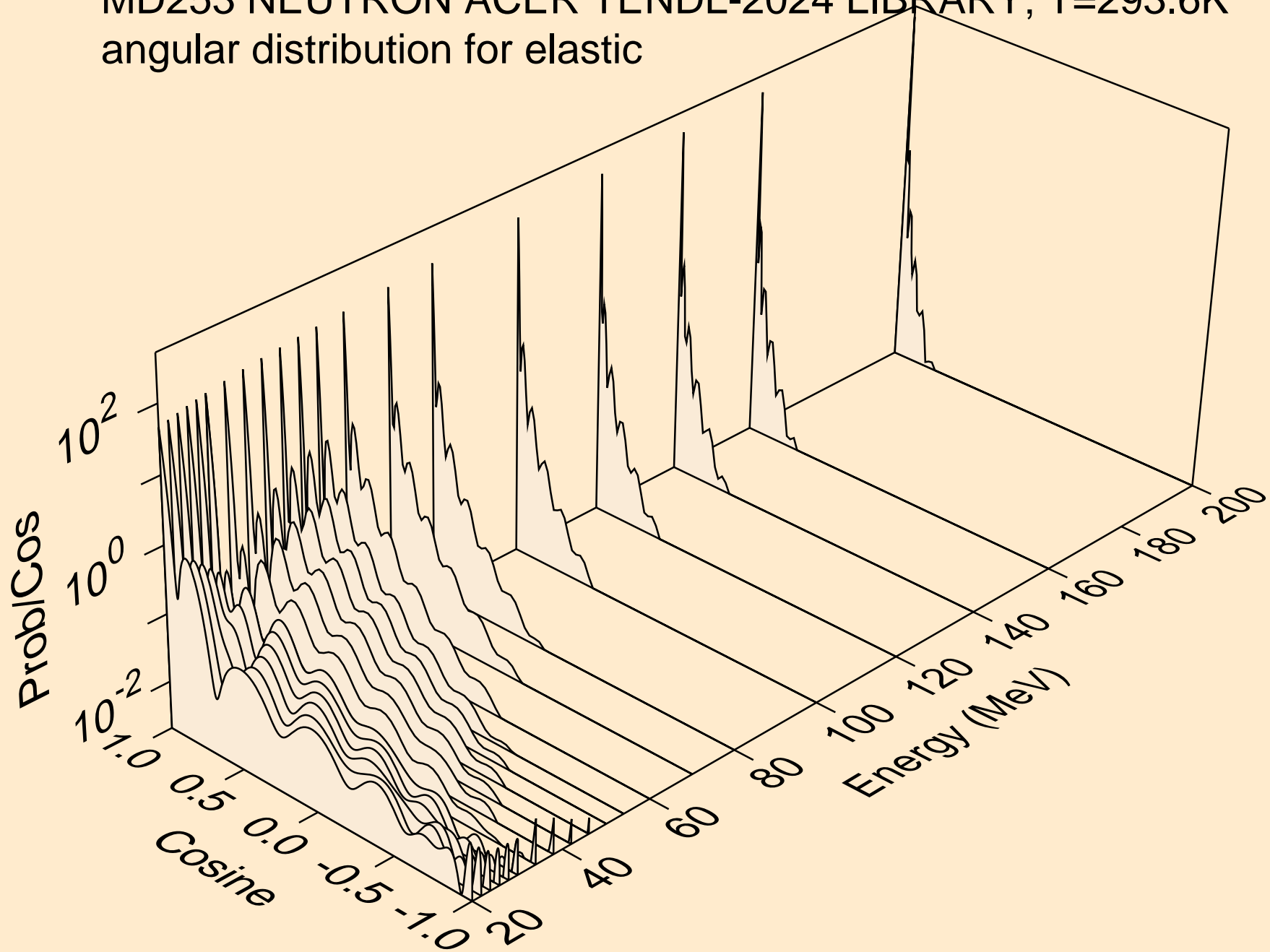
MD253 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Threshold reactions



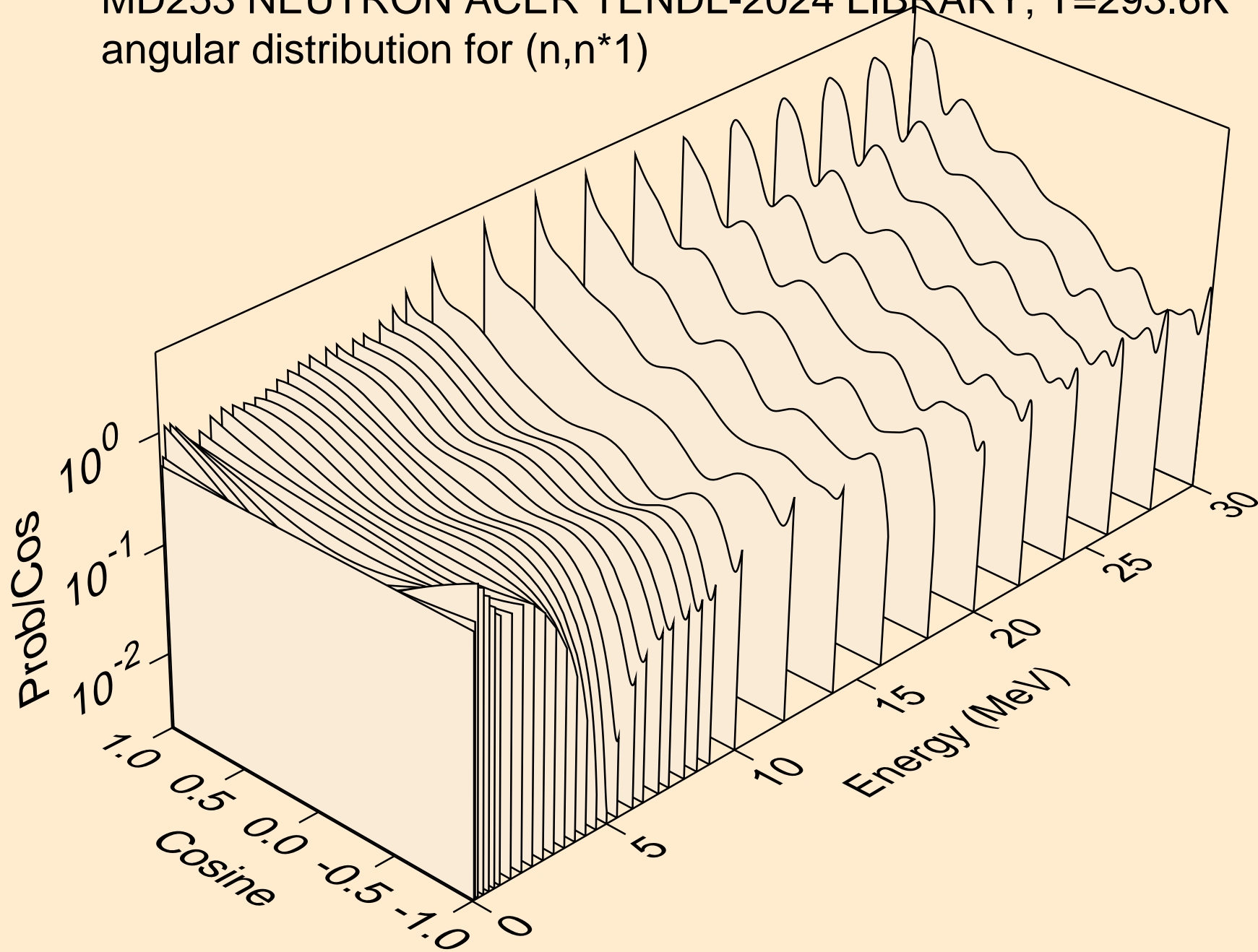
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angular distribution for elastic



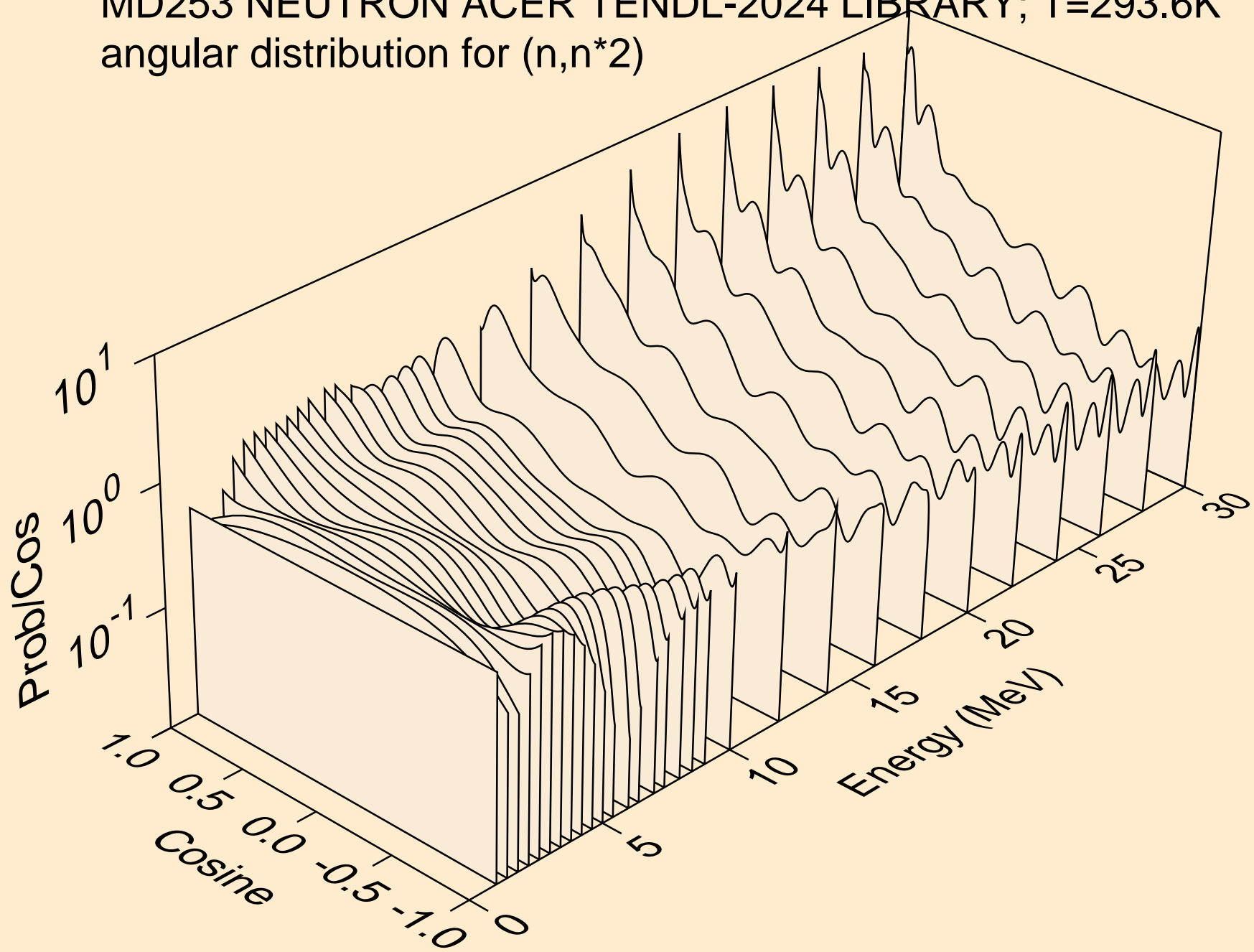
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angular distribution for elastic



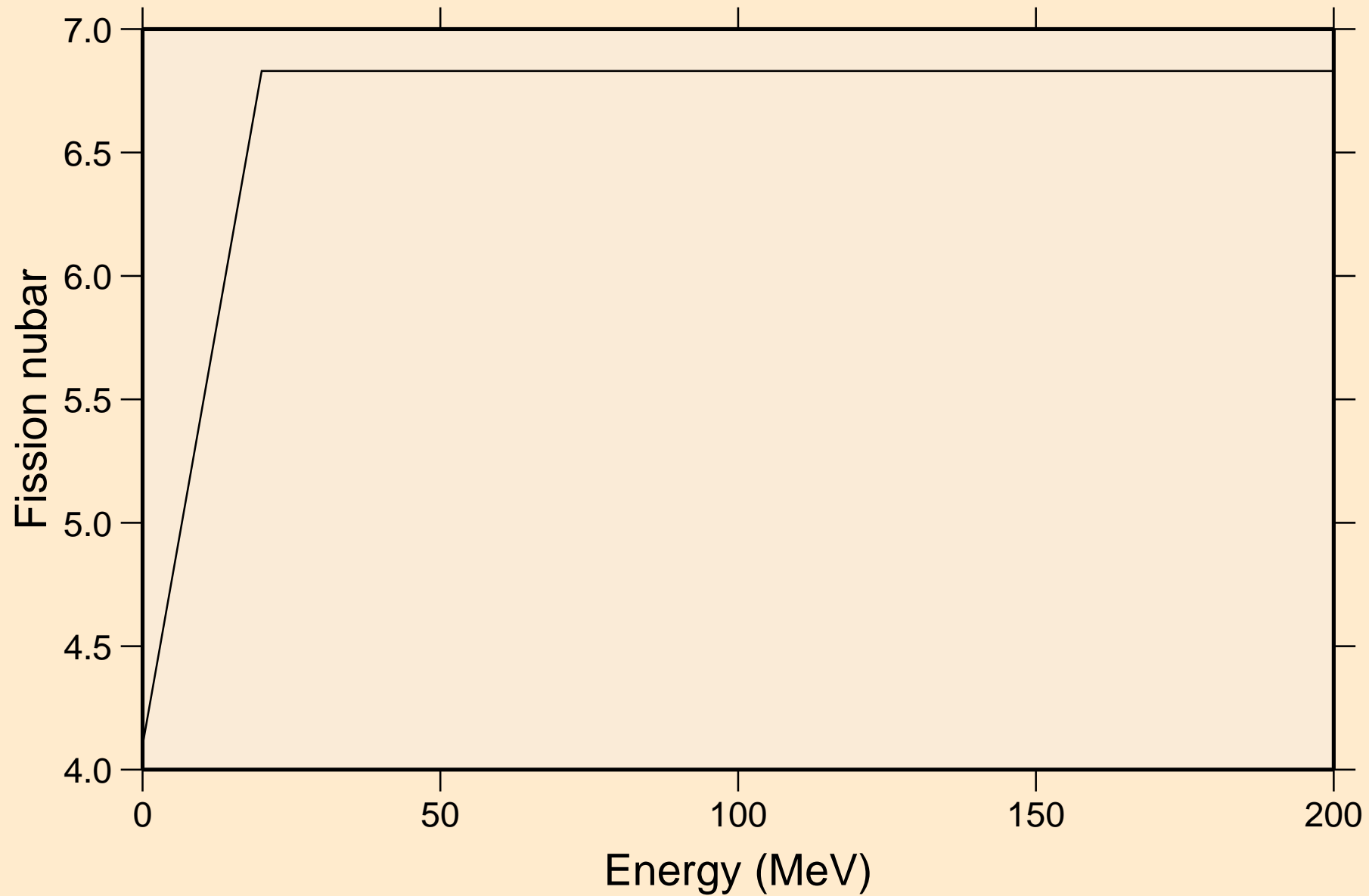
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angular distribution for (n,n\*1)



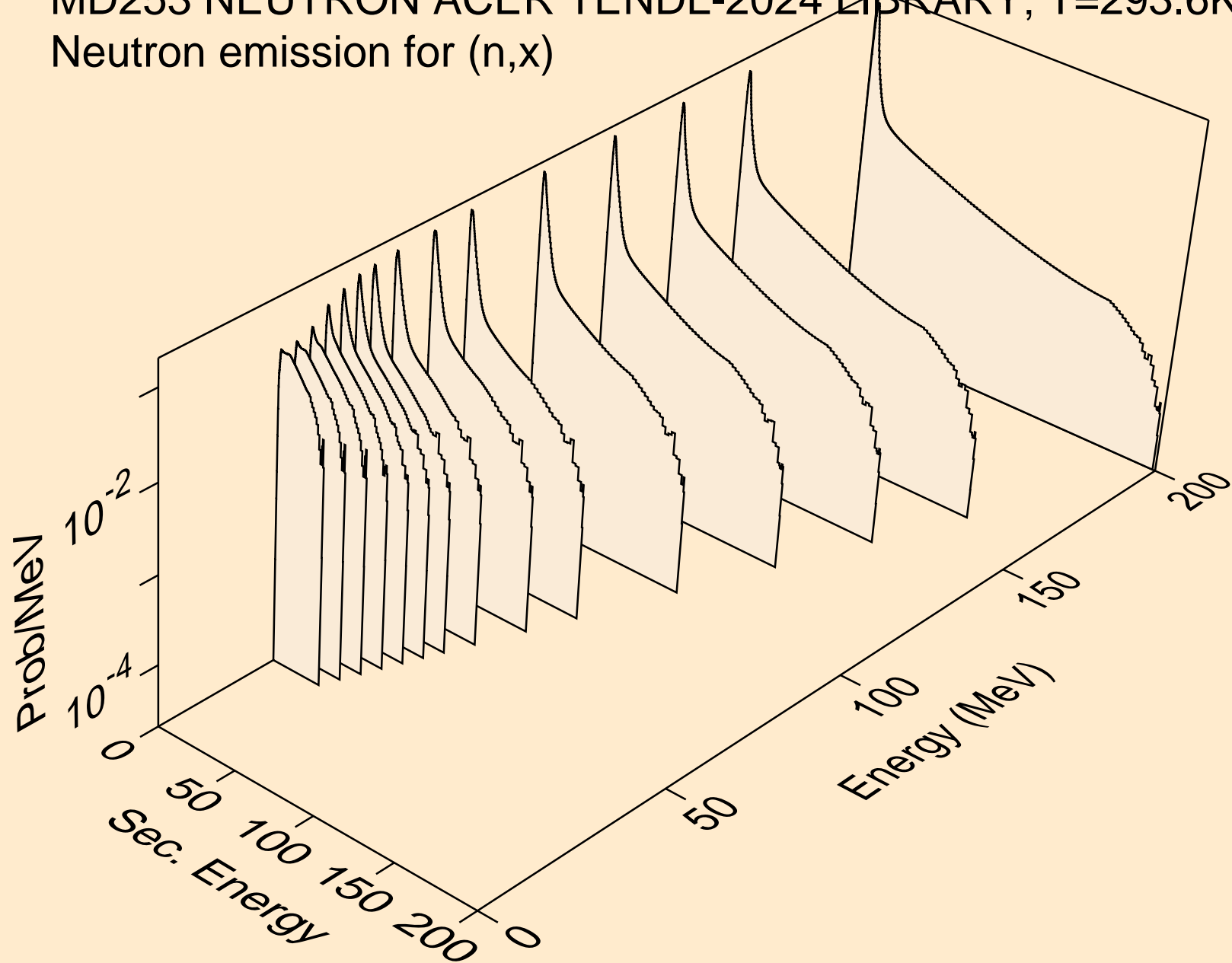
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angular distribution for (n,n\*2)



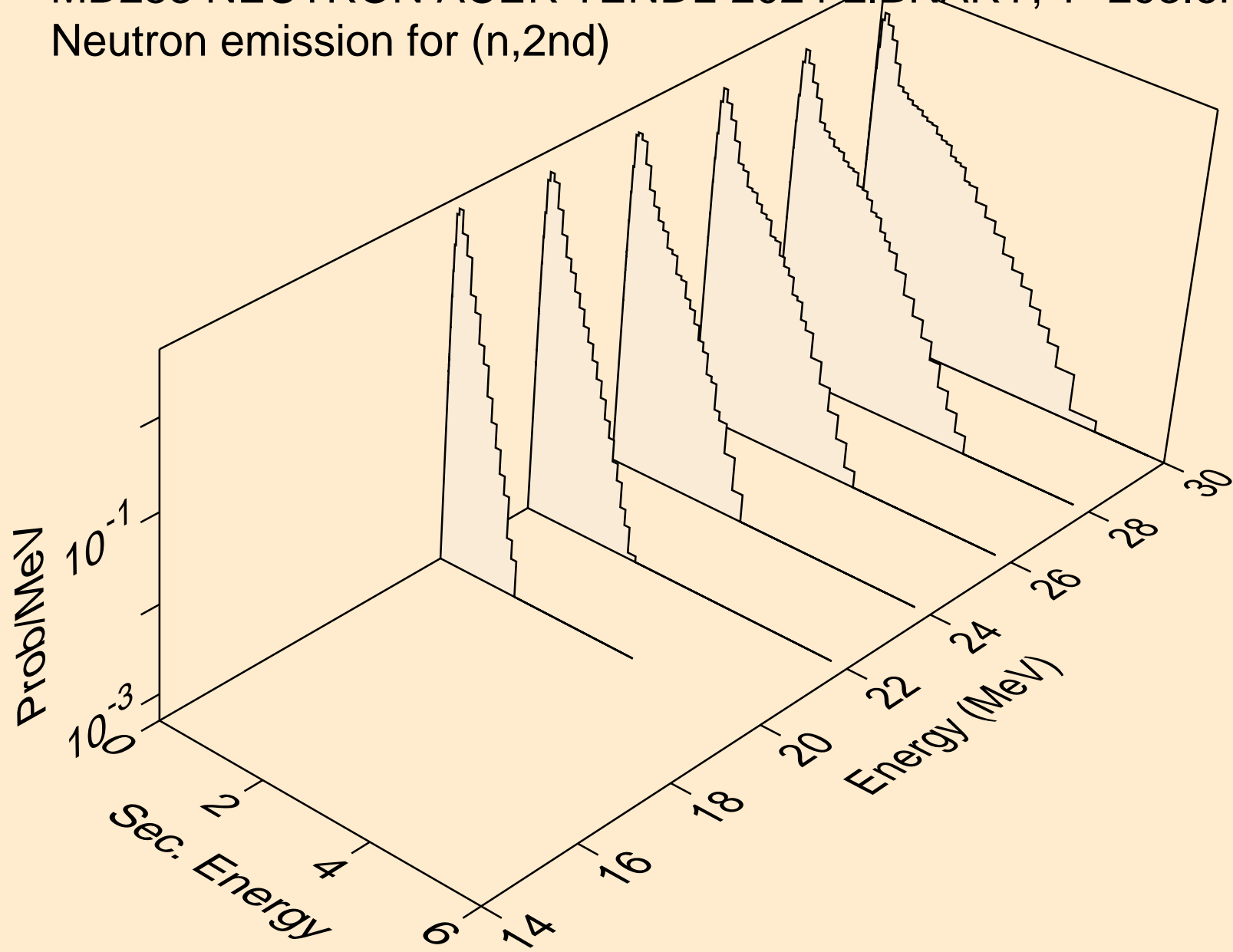
MD253 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Total fission nubar



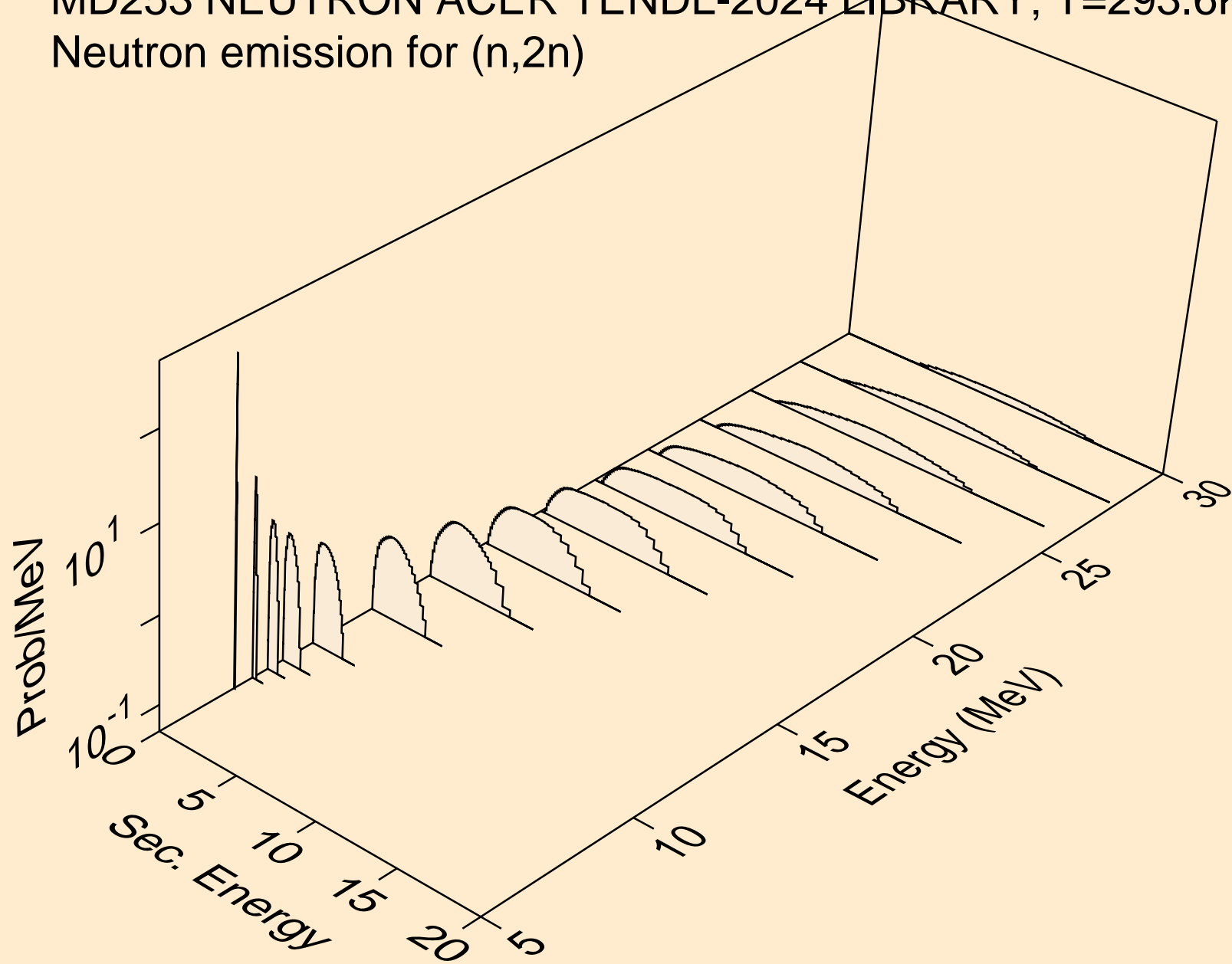
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Neutron emission for (n,x)



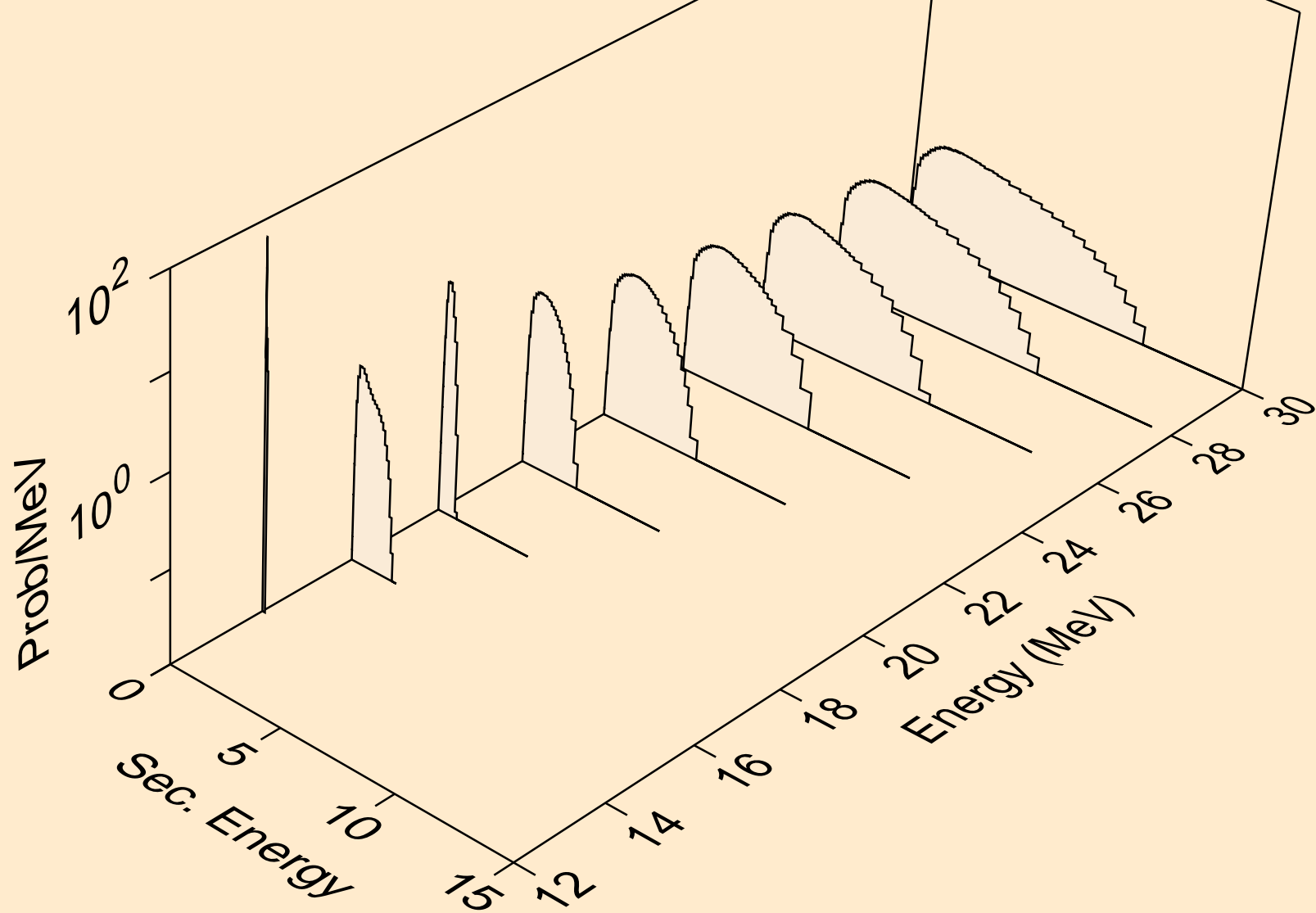
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Neutron emission for (n,2nd)



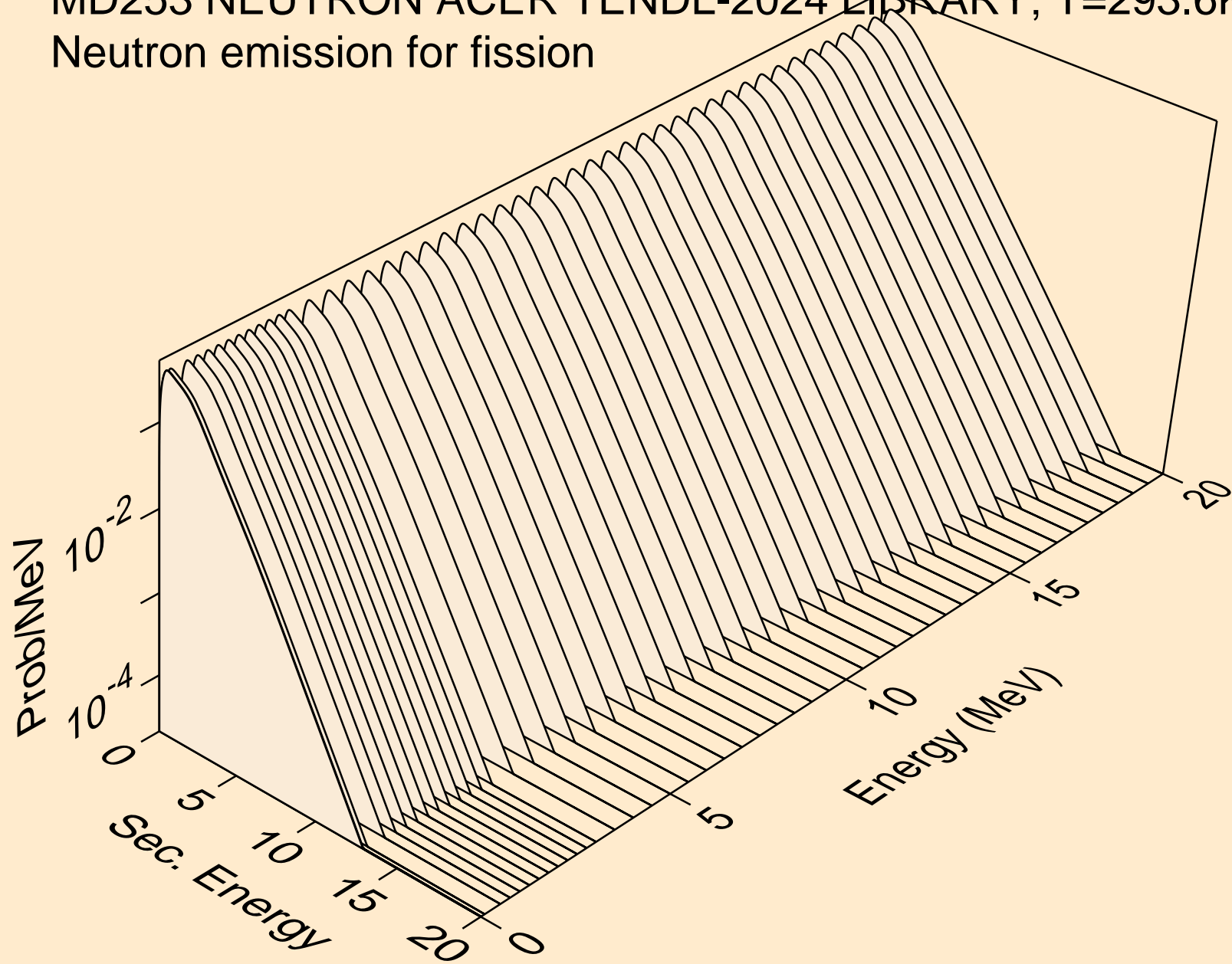
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Neutron emission for (n,2n)



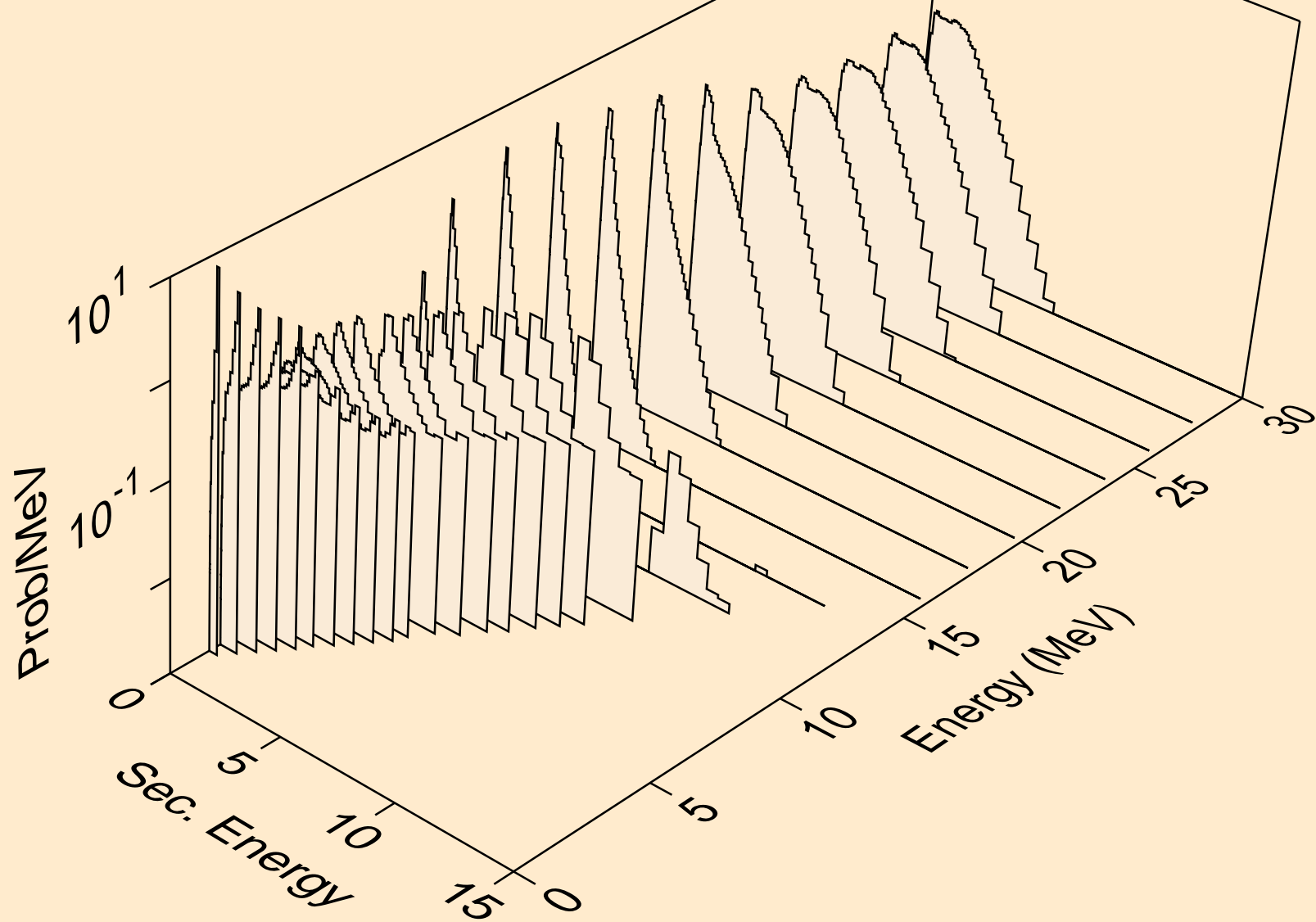
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Neutron emission for (n,3n)



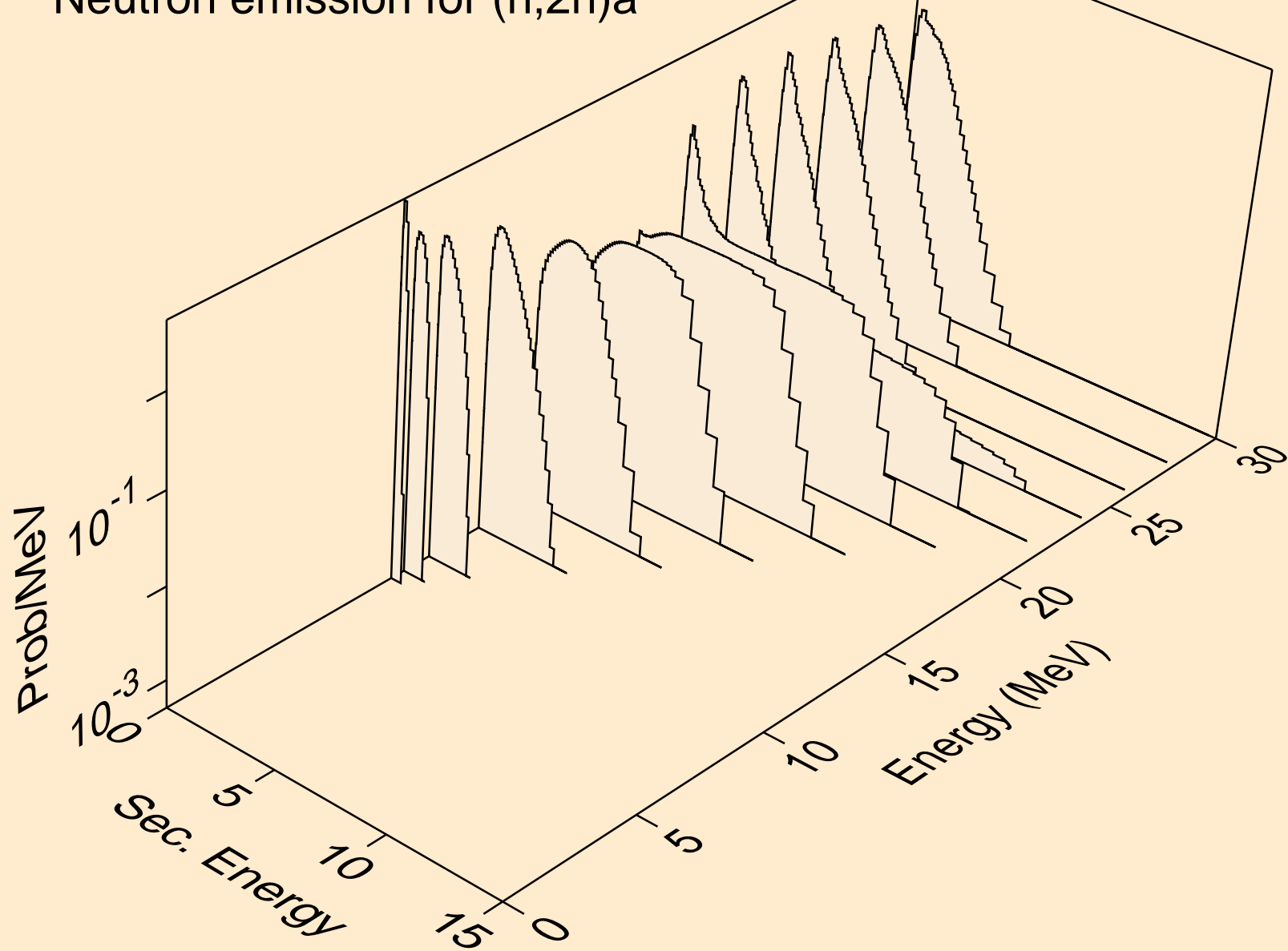
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Neutron emission for fission



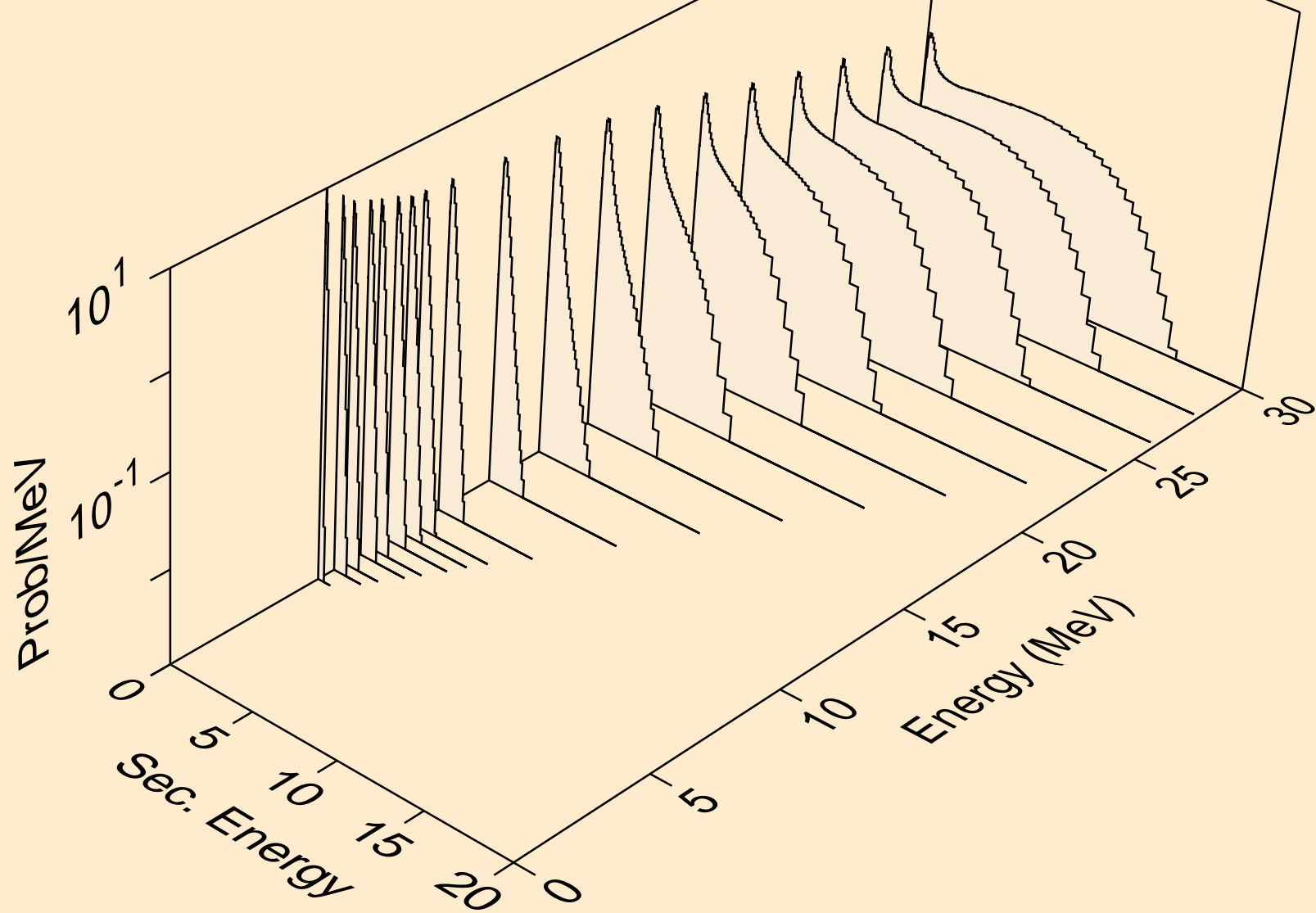
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Neutron emission for (n,n\*)a



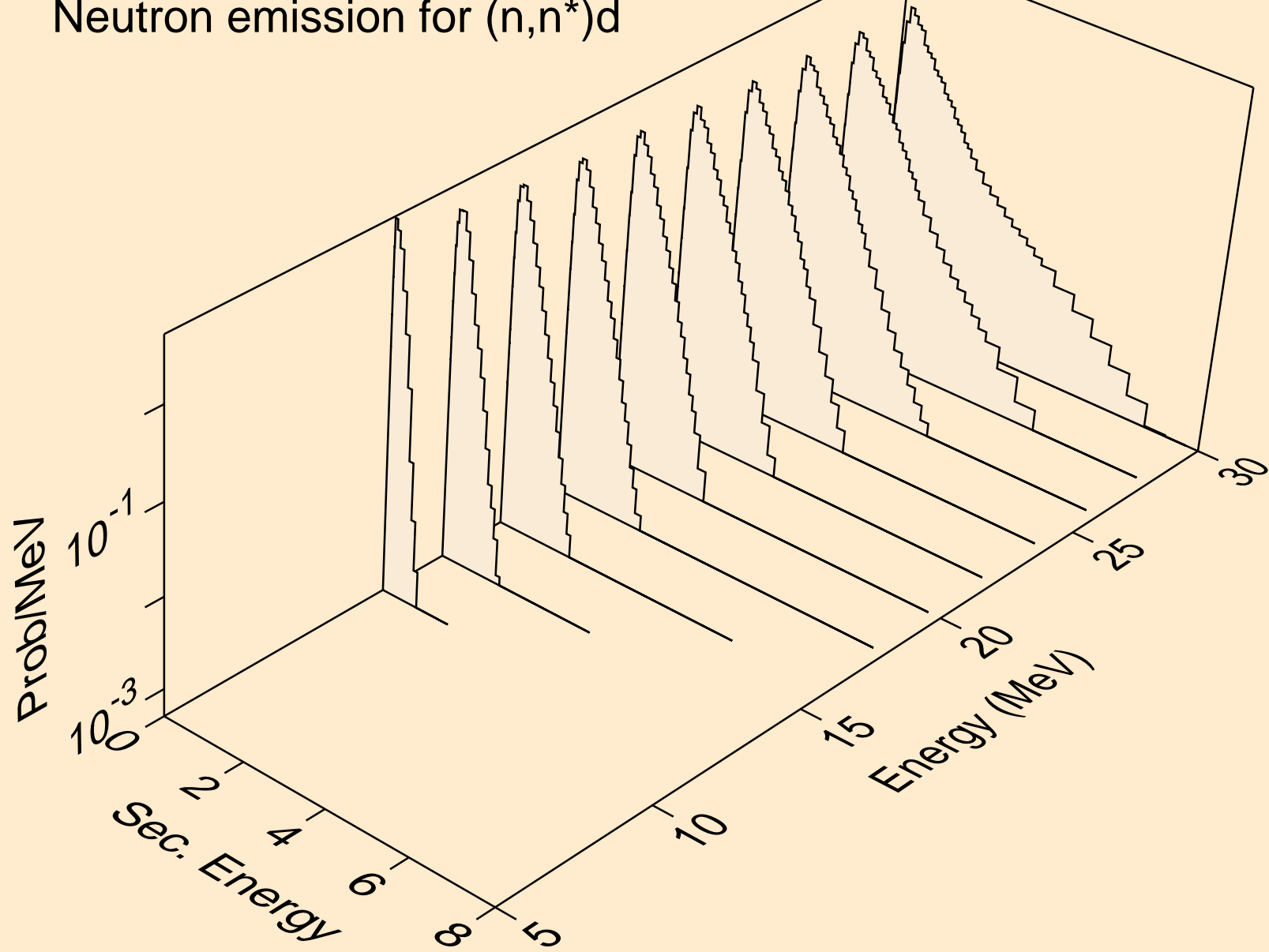
MD253 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,2n)a



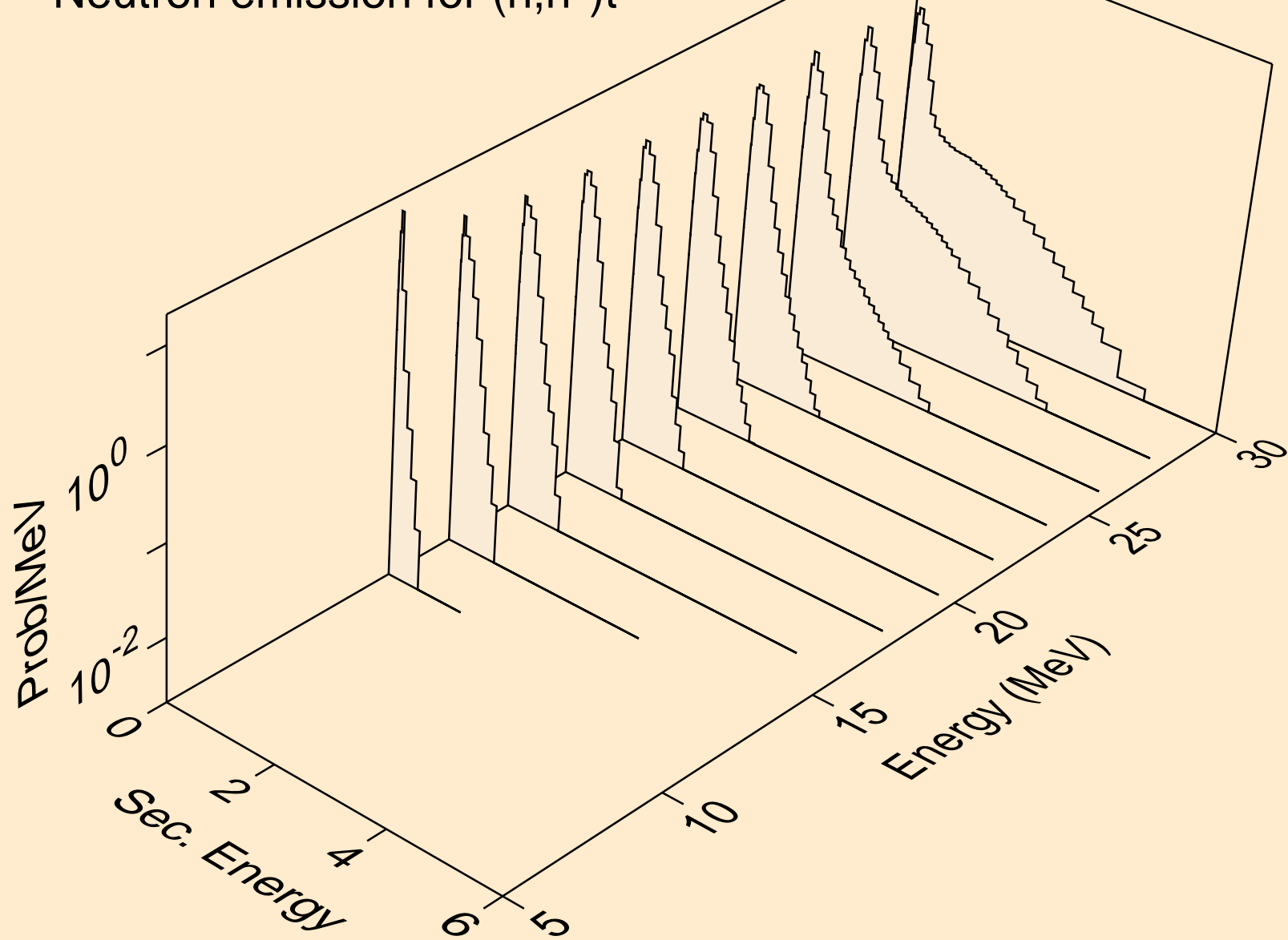
MD253 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)p



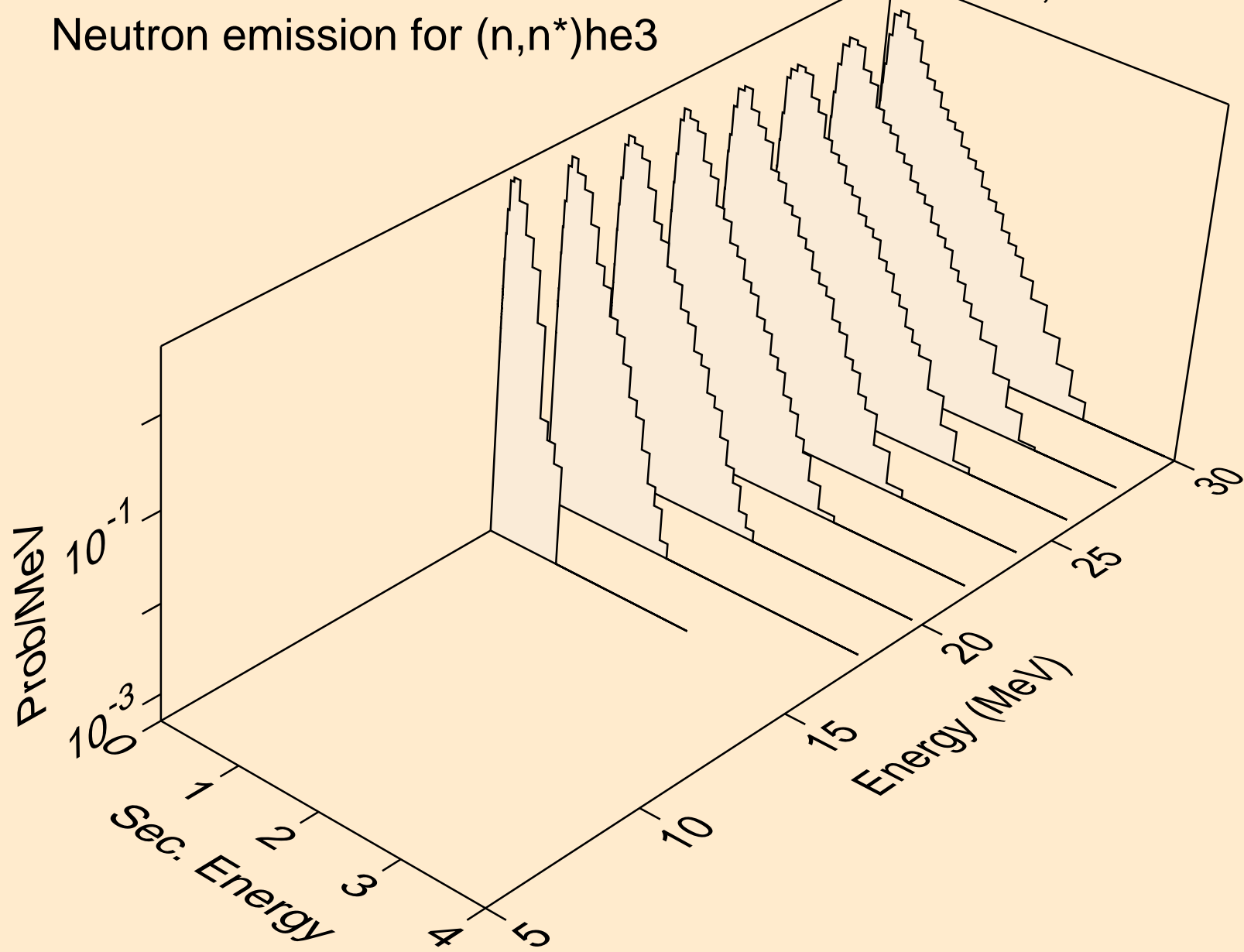
MD253 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)d



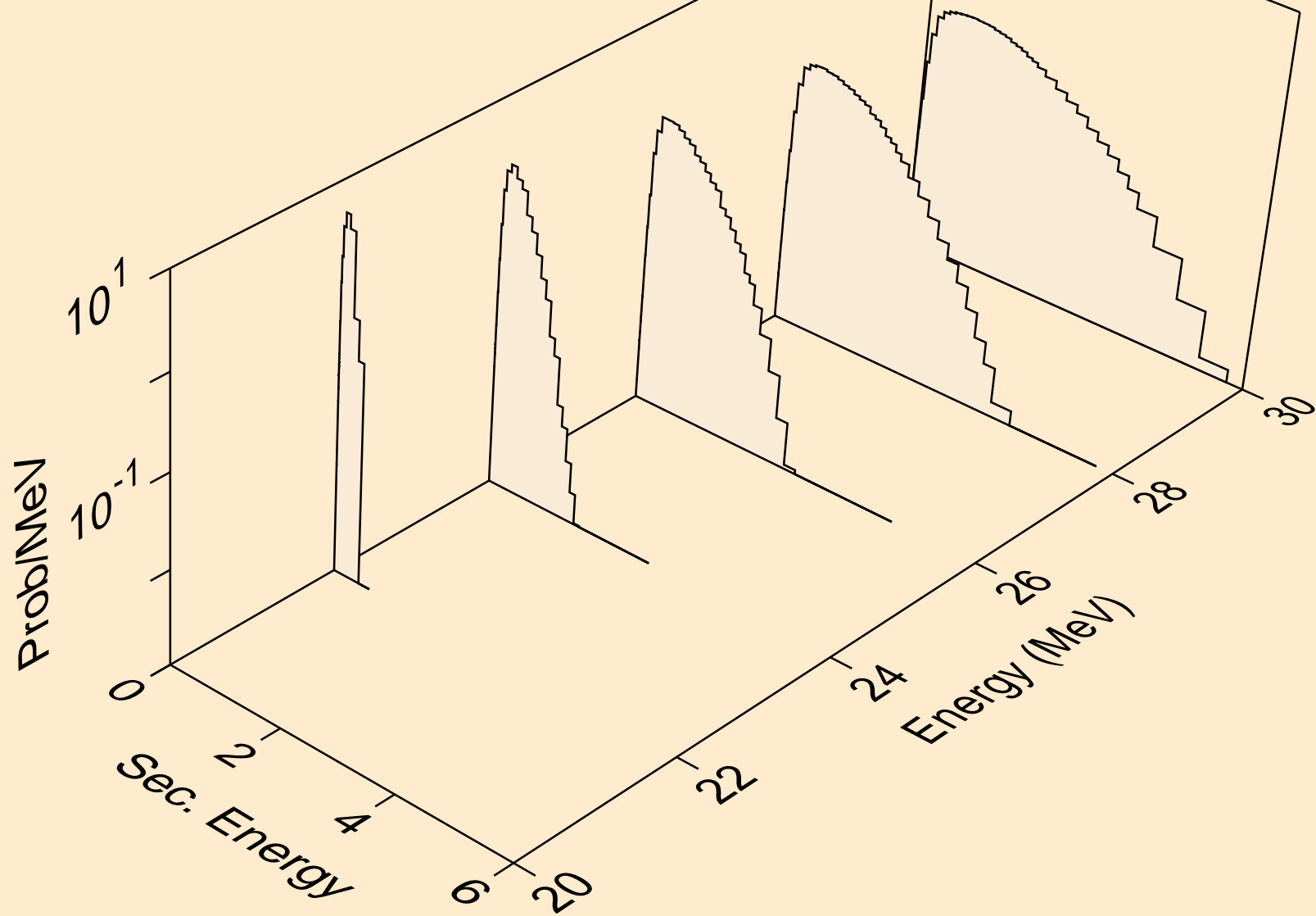
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Neutron emission for (n,n\*)t



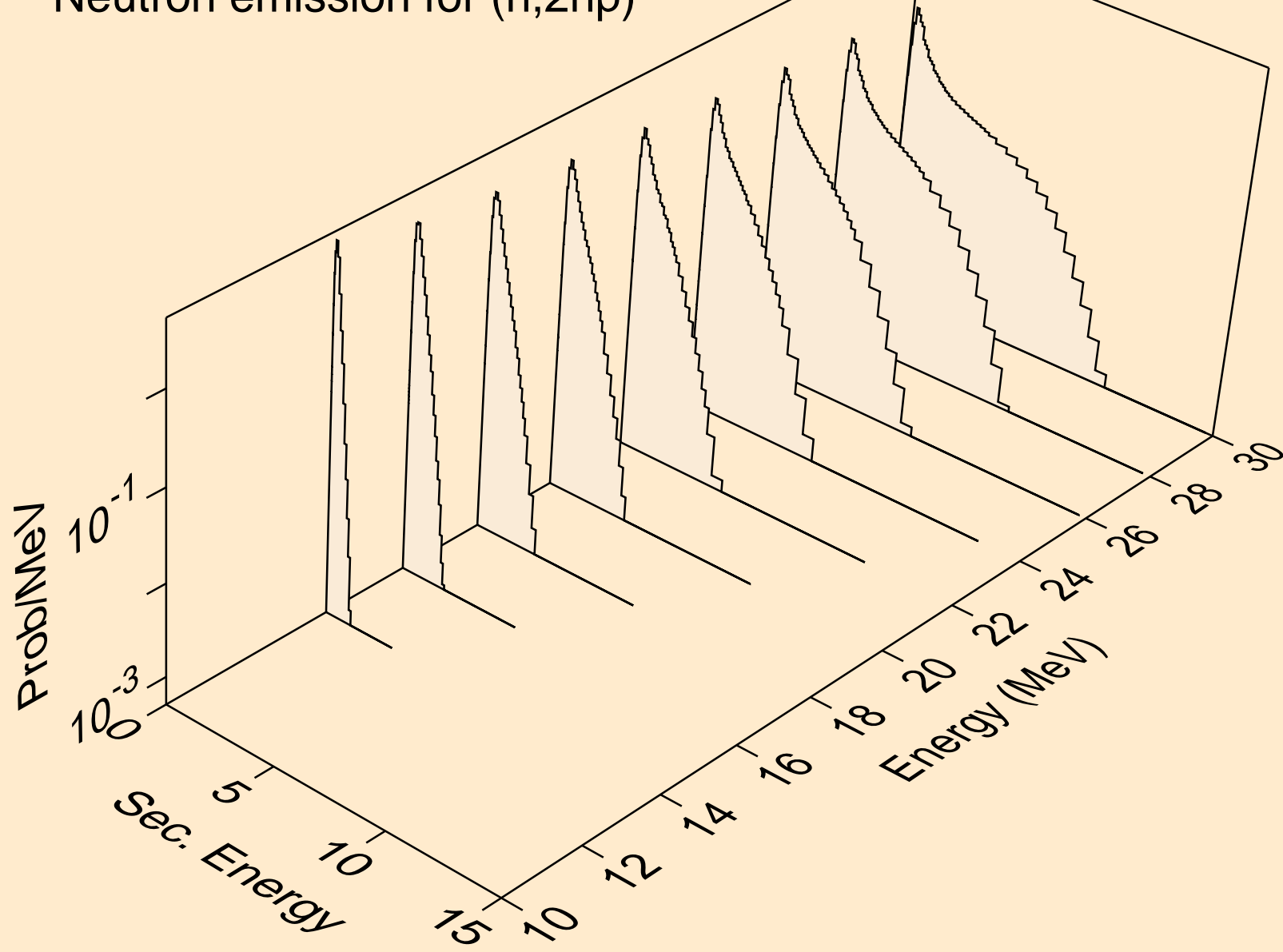
MD253 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)he3



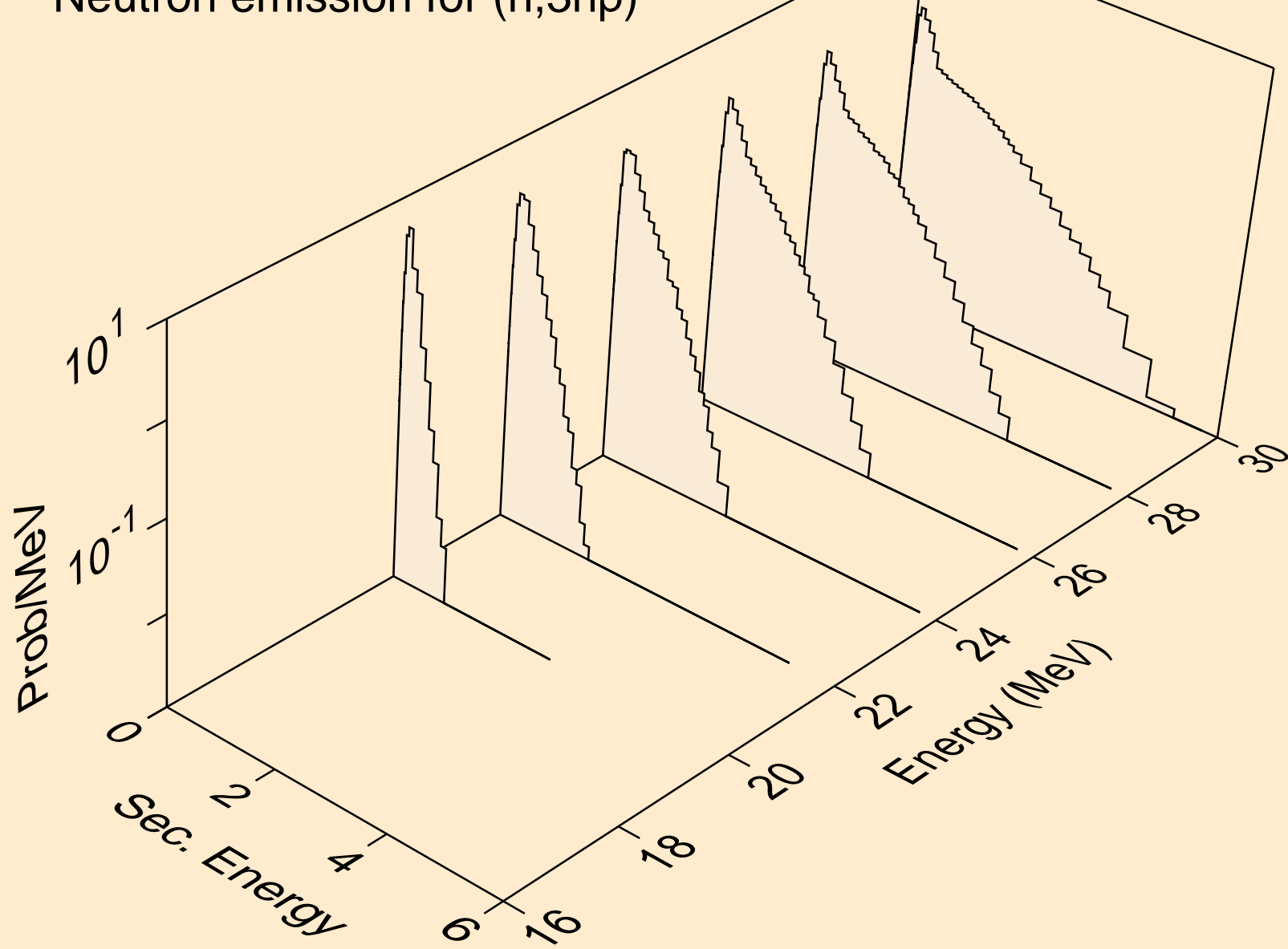
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Neutron emission for (n,4n)



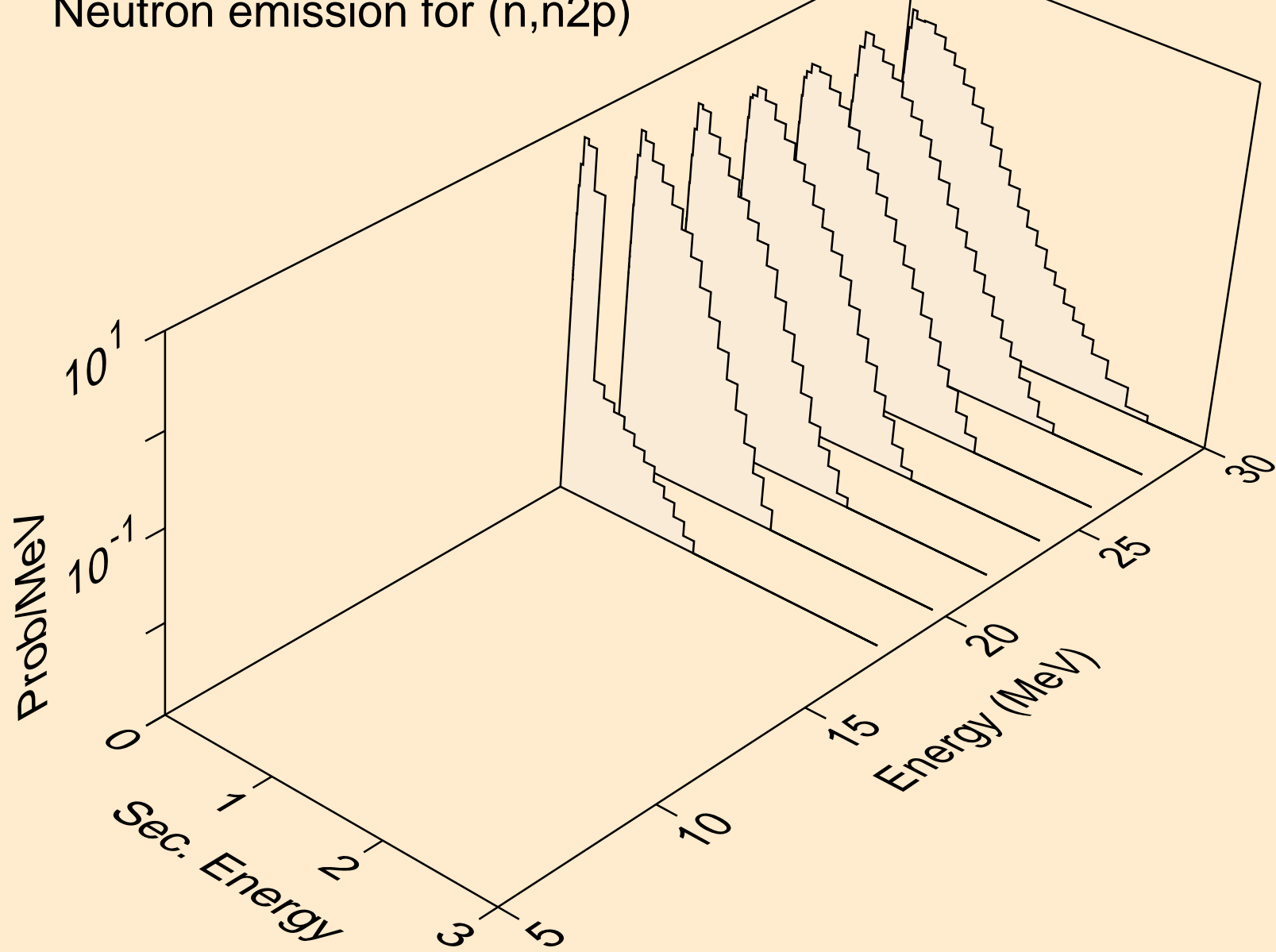
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Neutron emission for (n,2np)



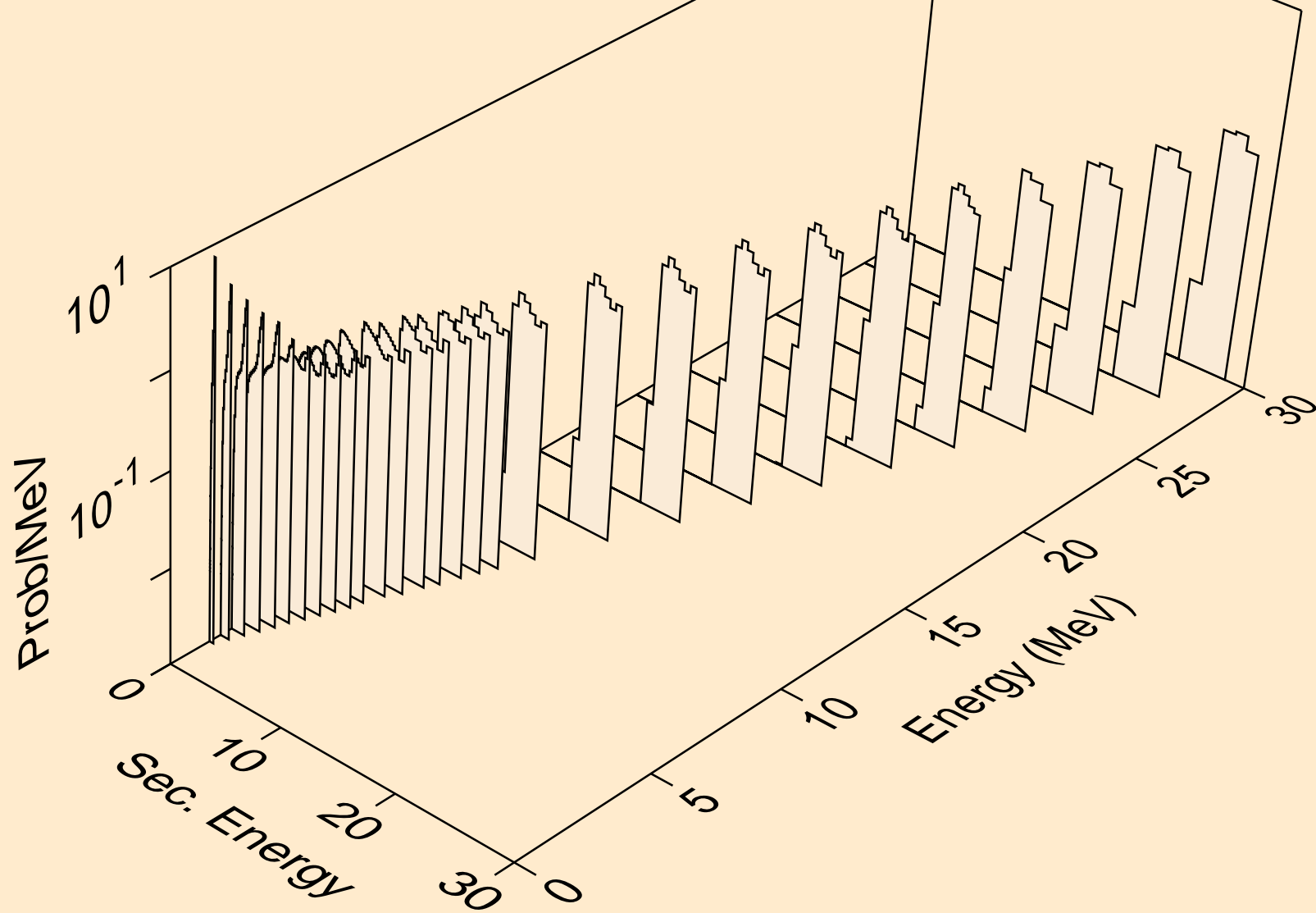
MD253 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,3np)



MD253 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n2p)

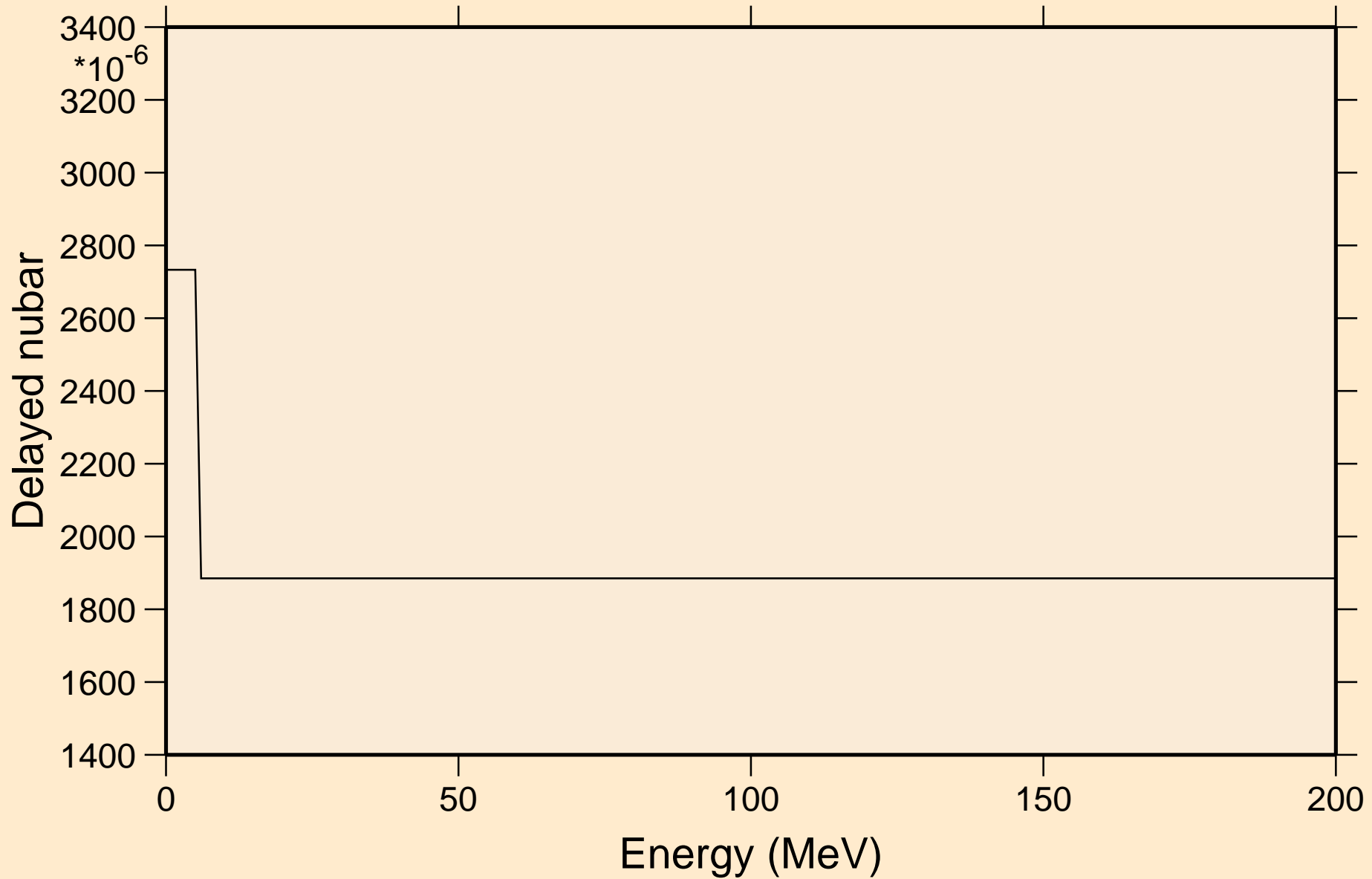


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Neutron emission for (n,n\*c)



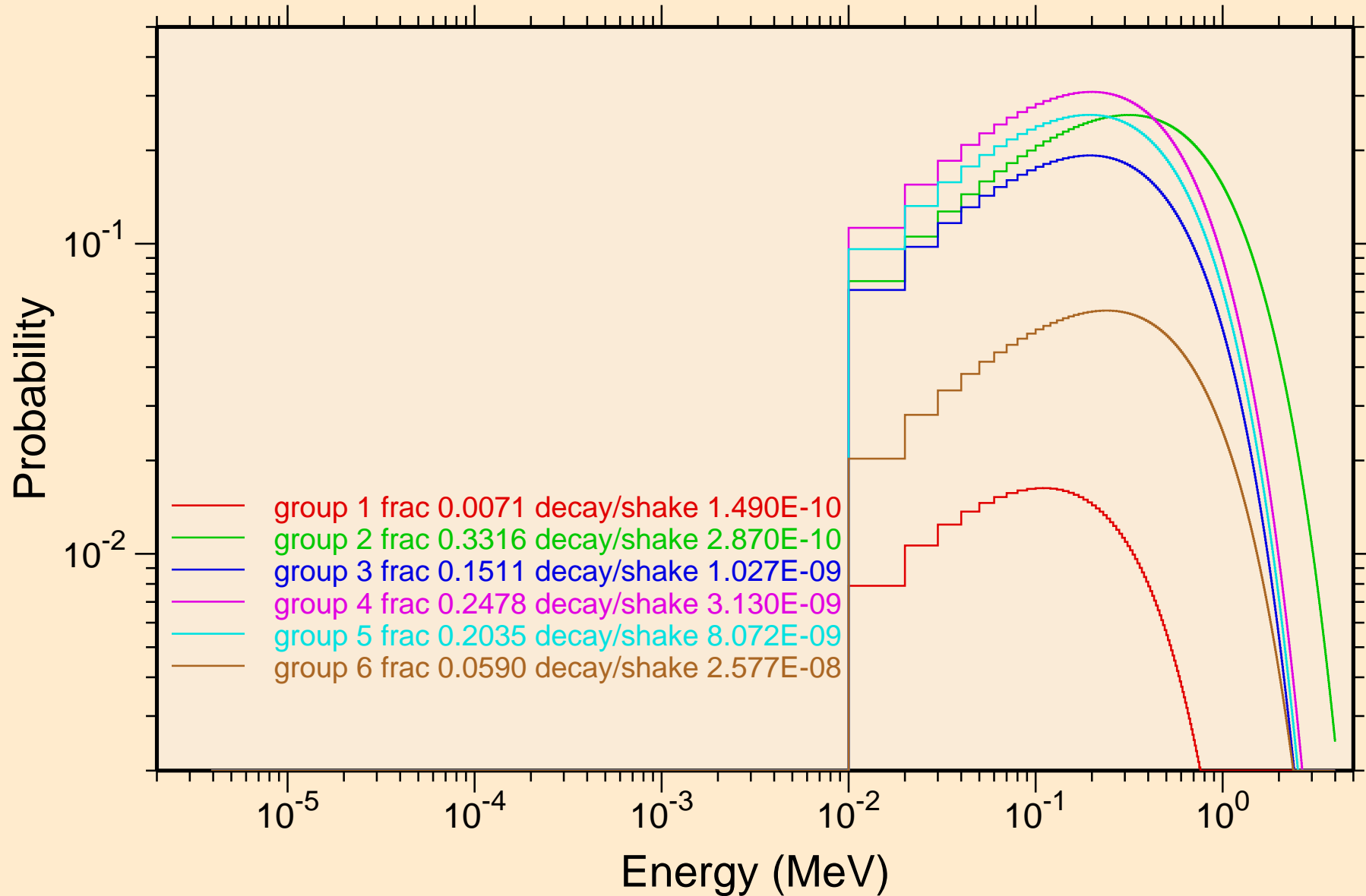
# MD253 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

## Delayed nubar

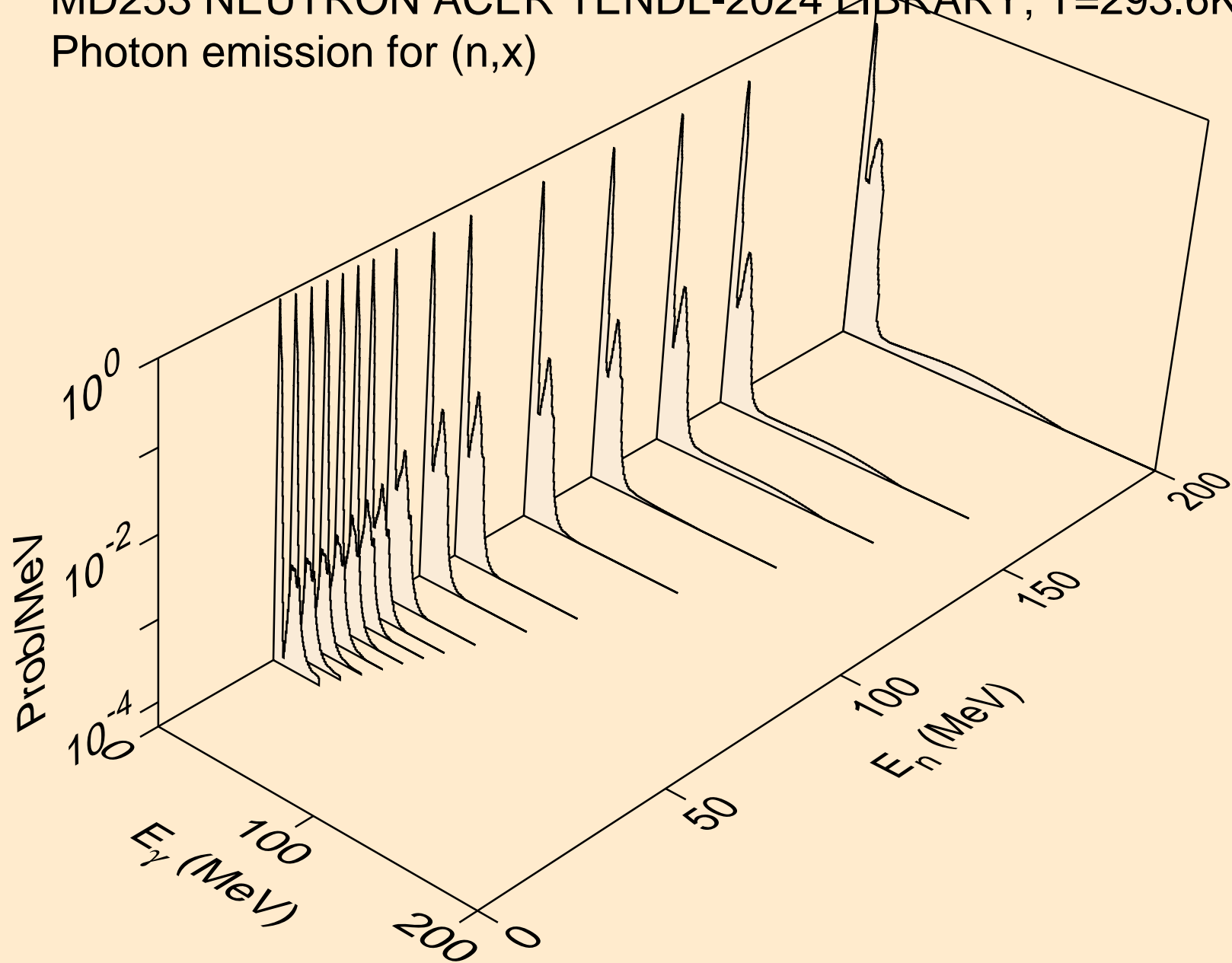


# MD253 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

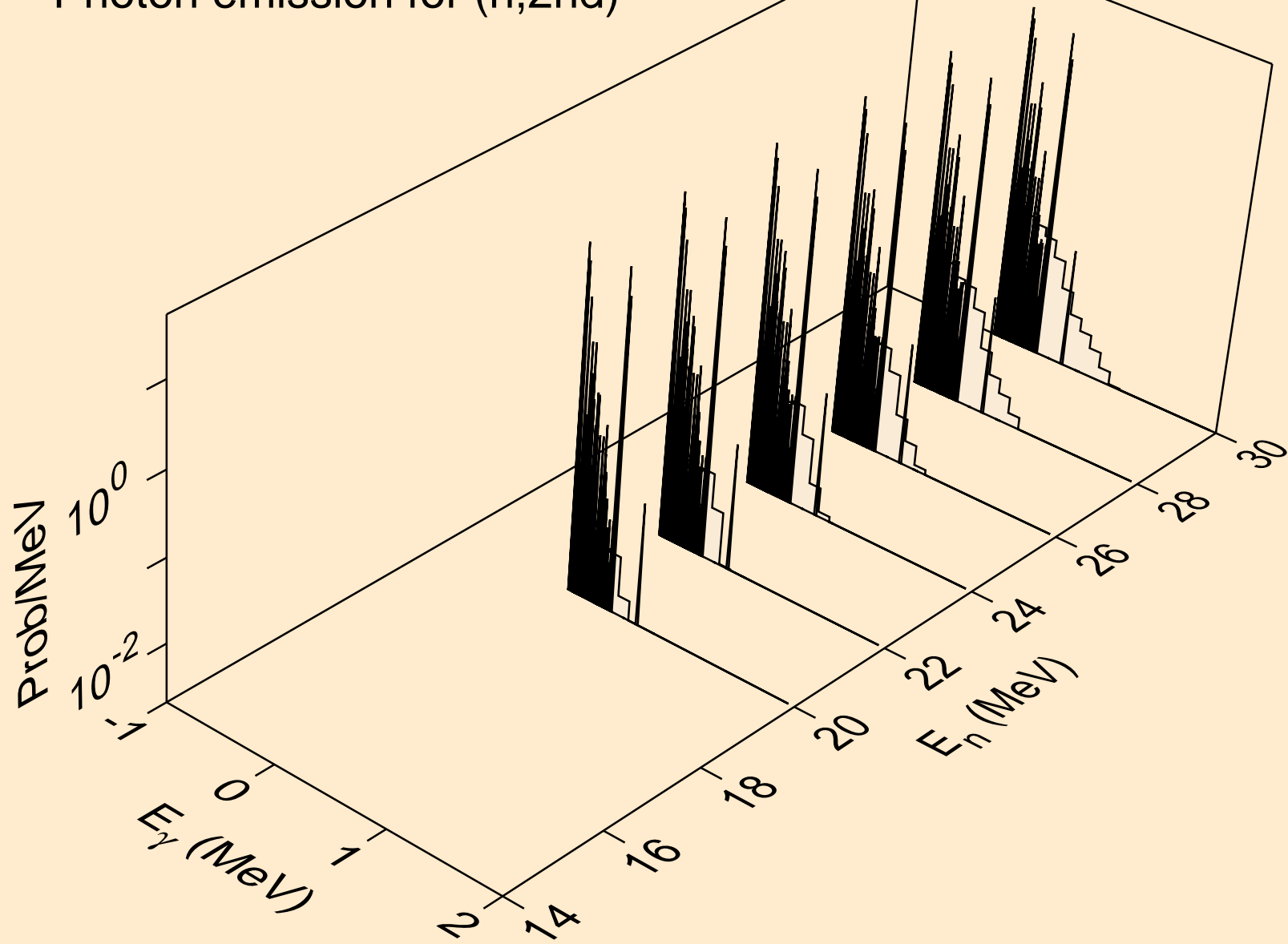
## Delayed neutron spectra



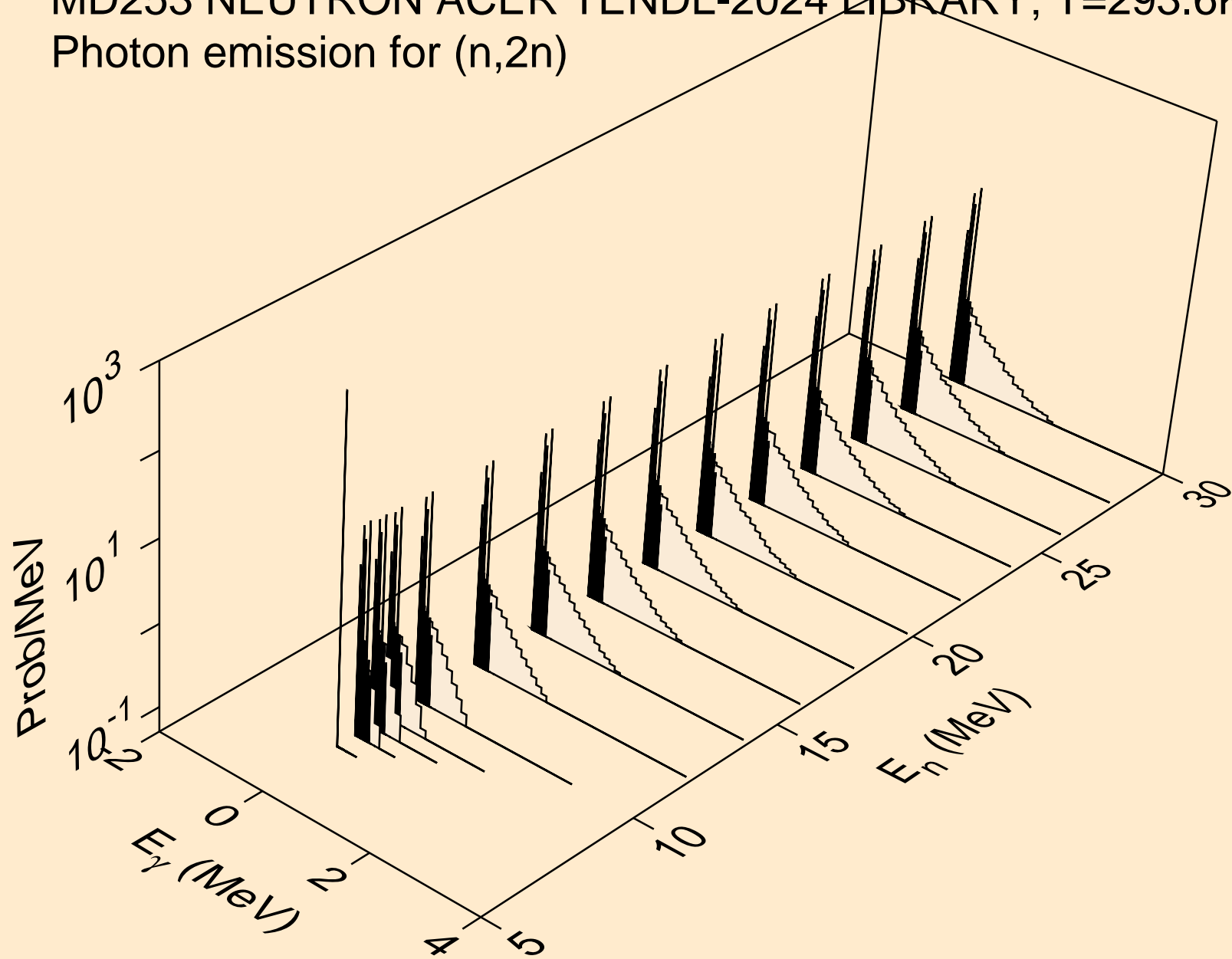
MD253 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,x)



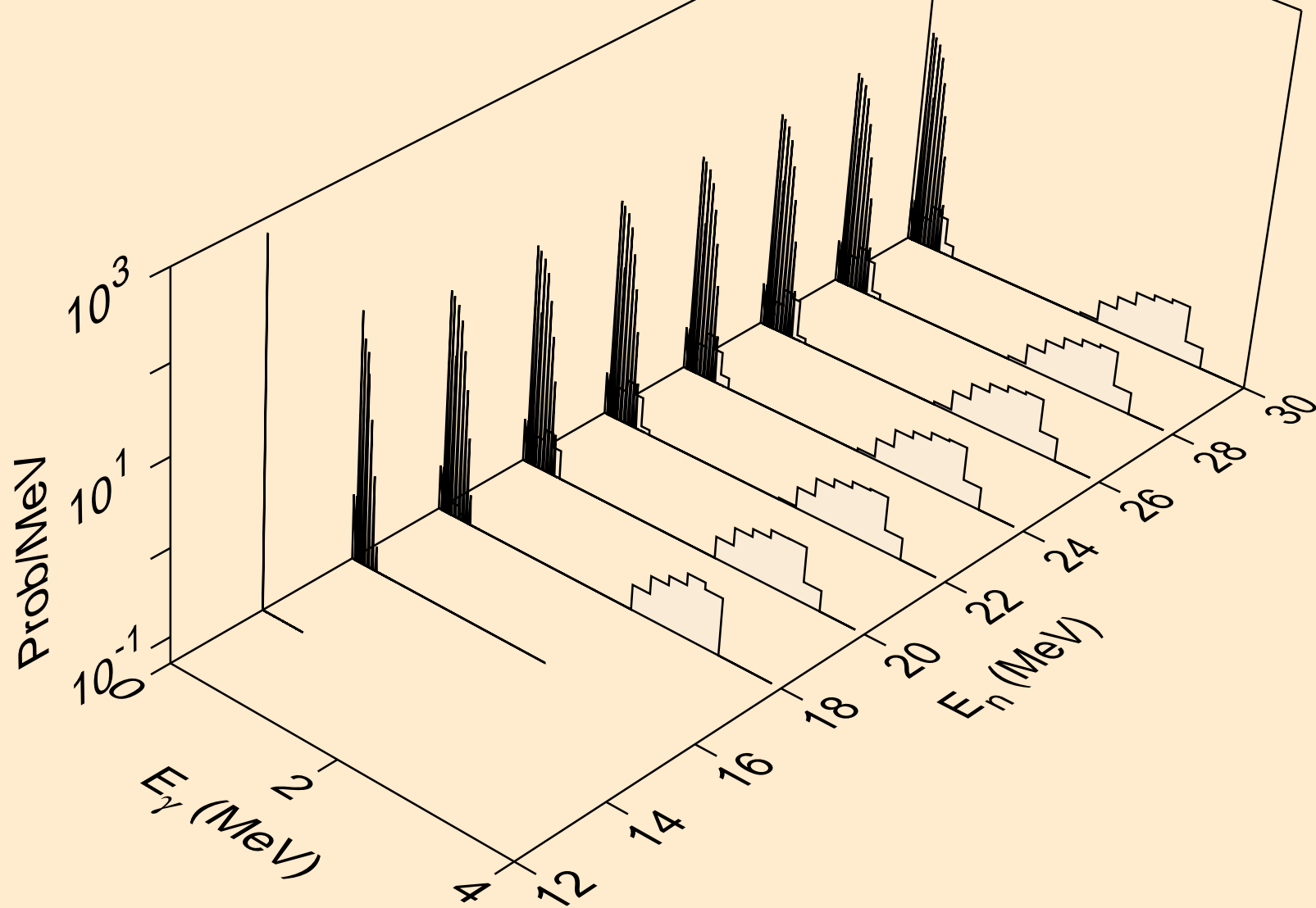
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Photon emission for (n,2nd)



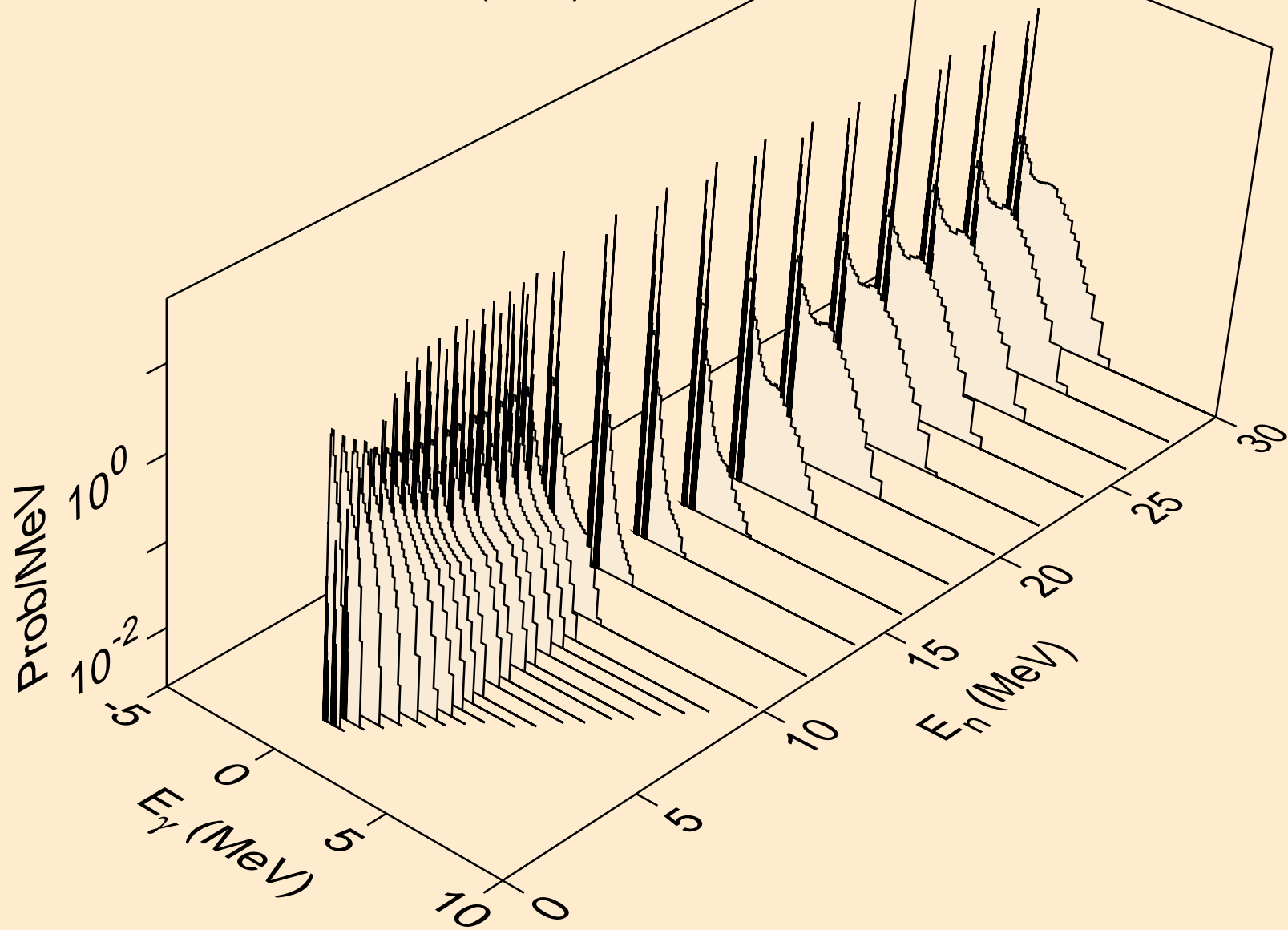
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Photon emission for (n,2n)



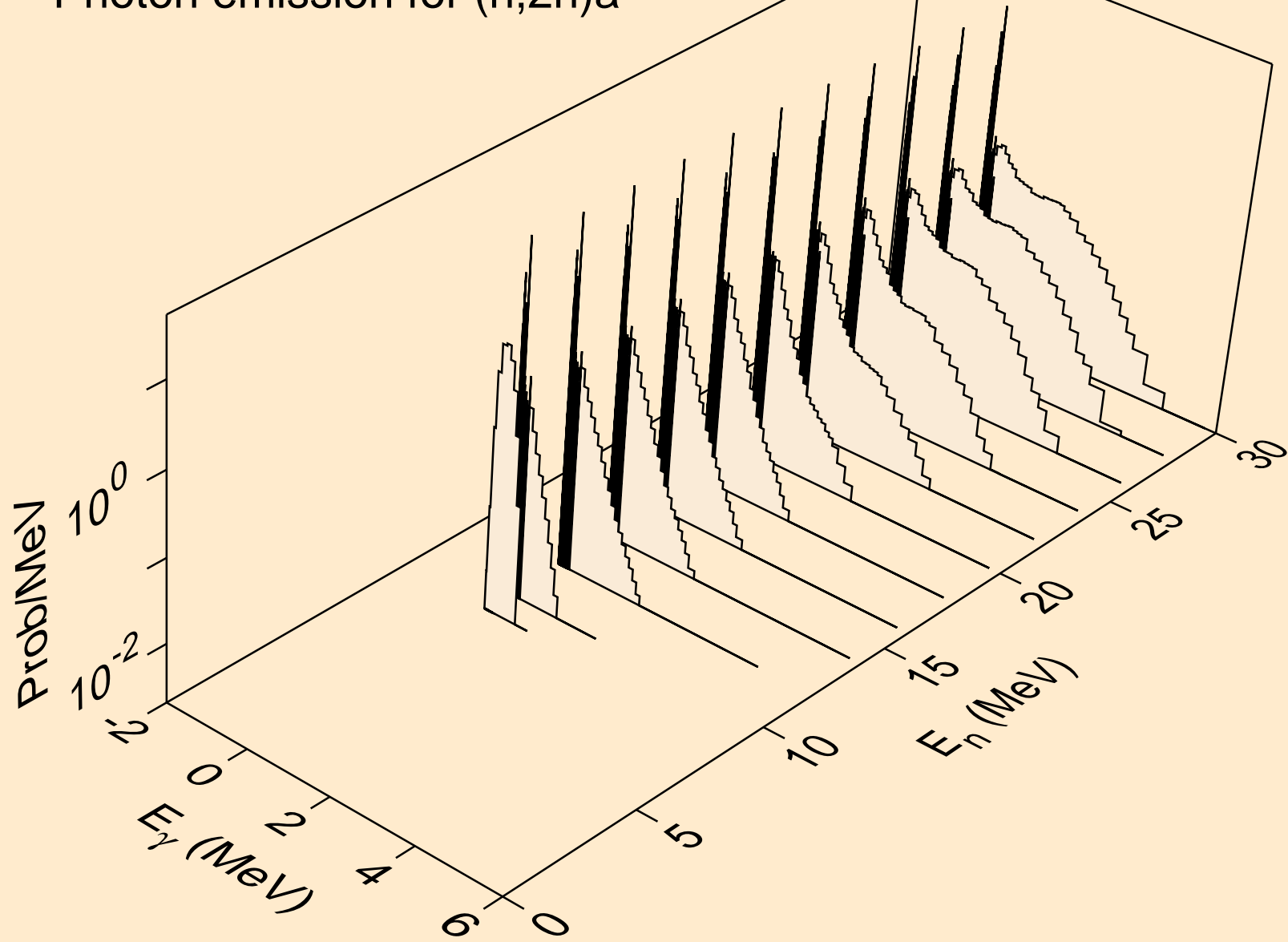
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Photon emission for (n,3n)



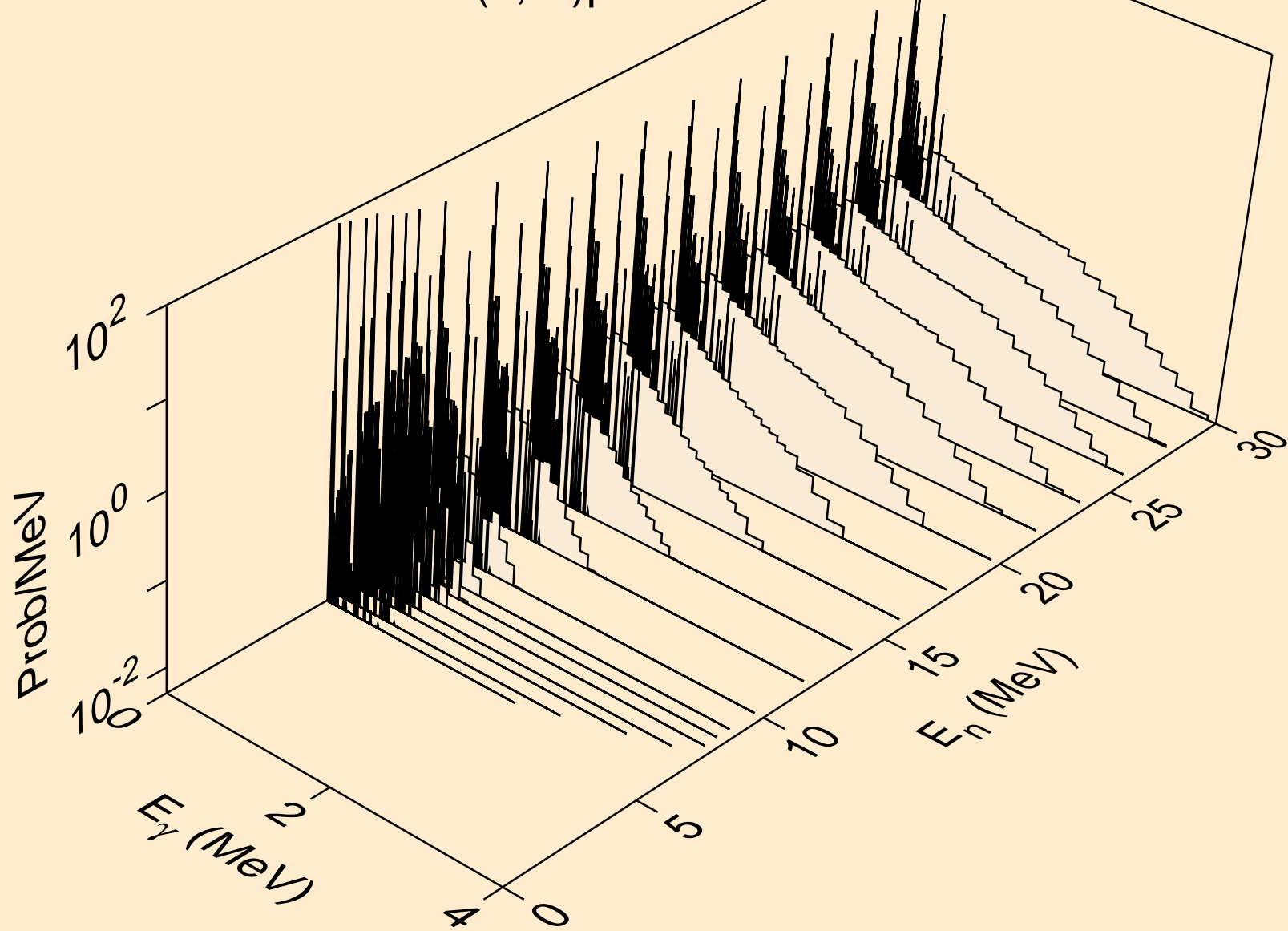
MD253 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*)a



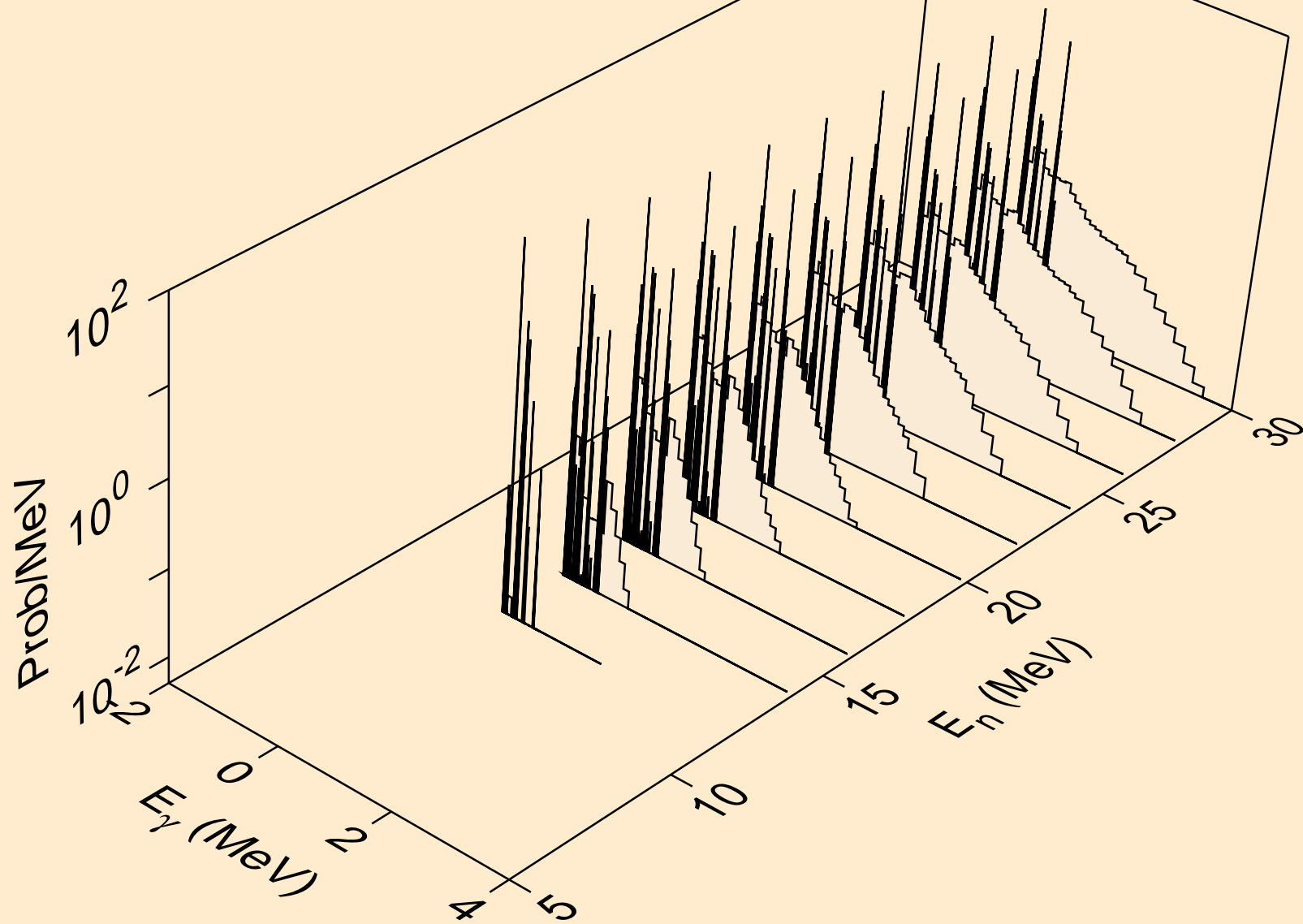
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Photon emission for (n,2n)a



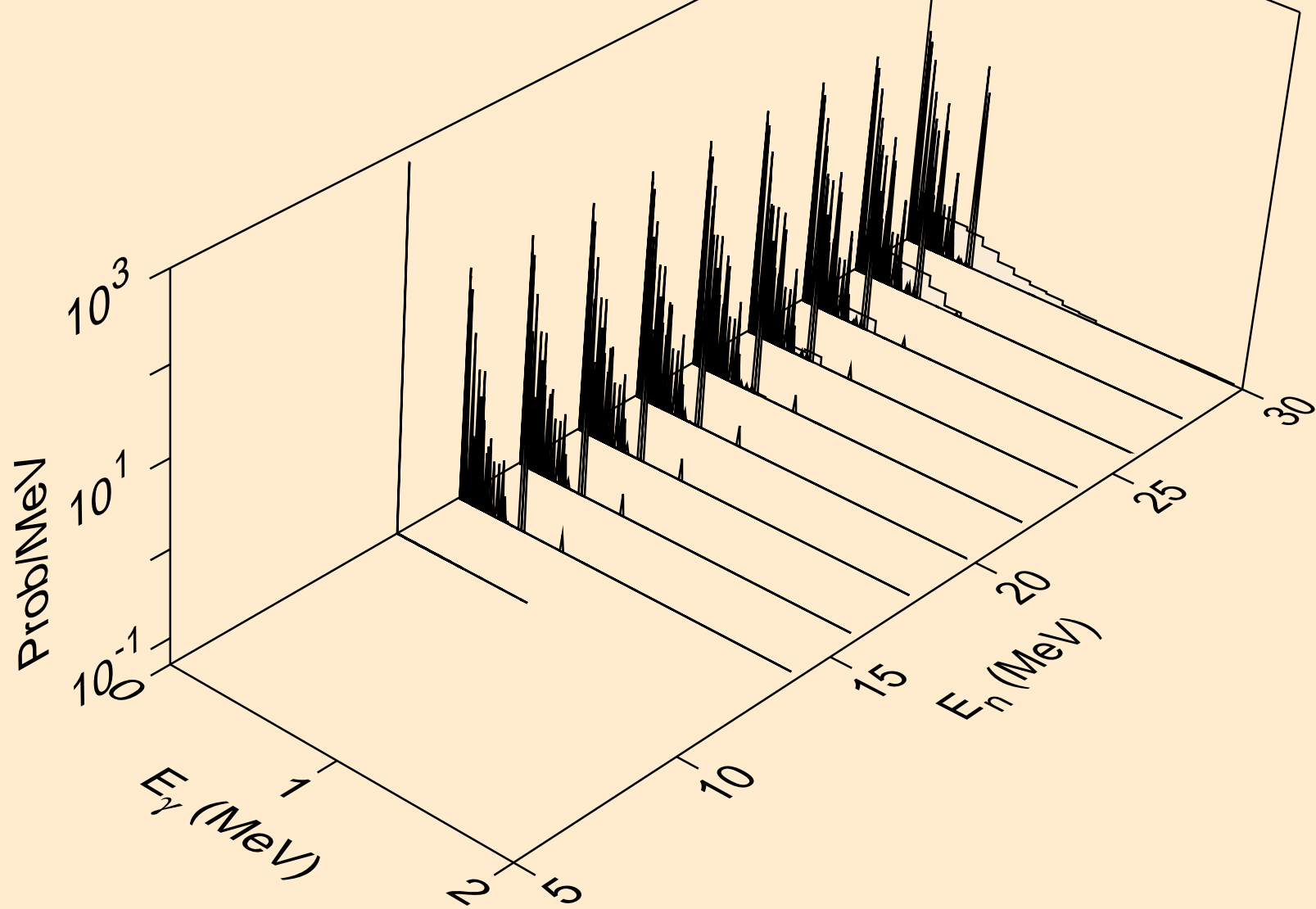
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Photon emission for (n,n\*)p



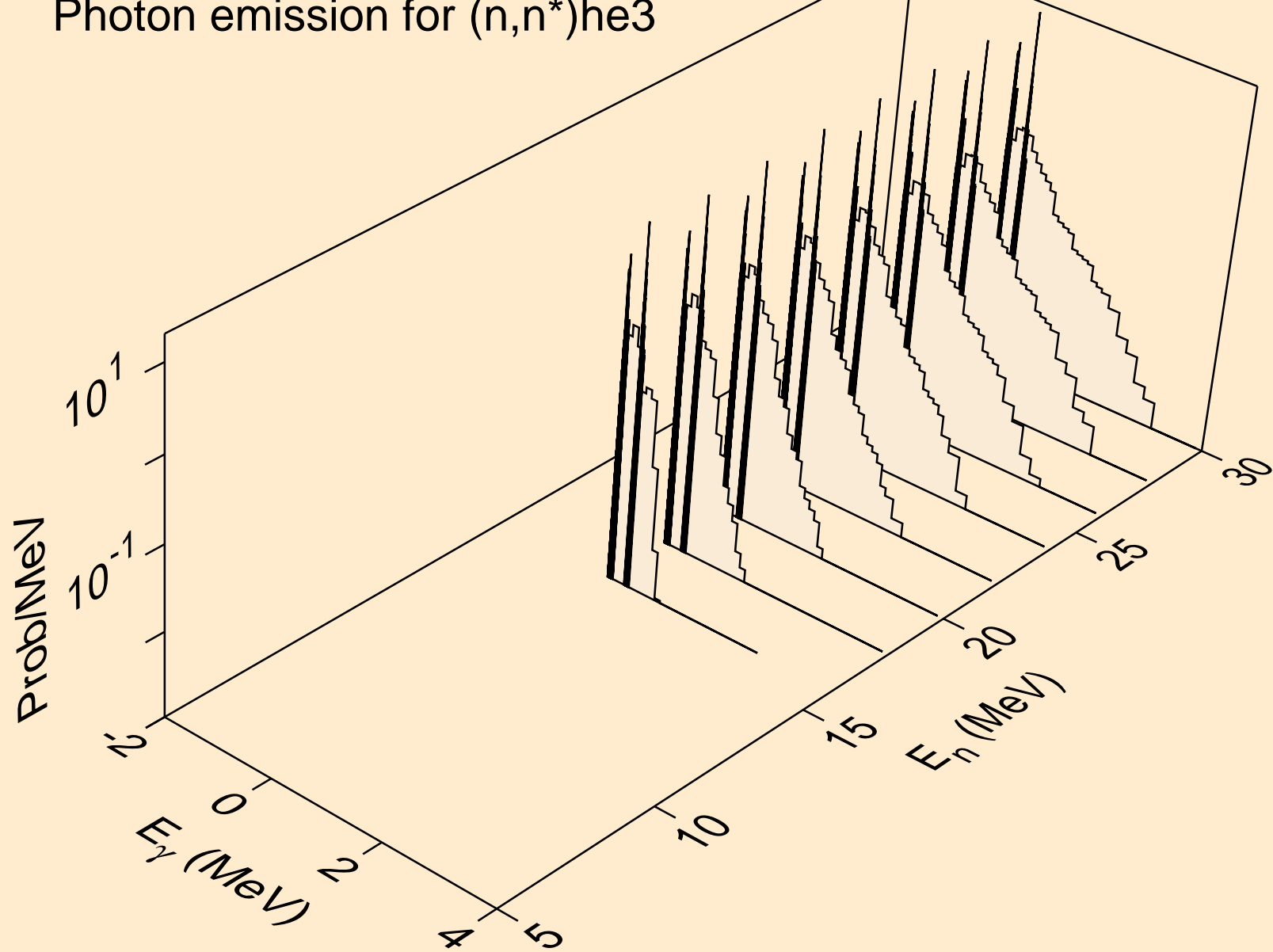
MD253 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*)d



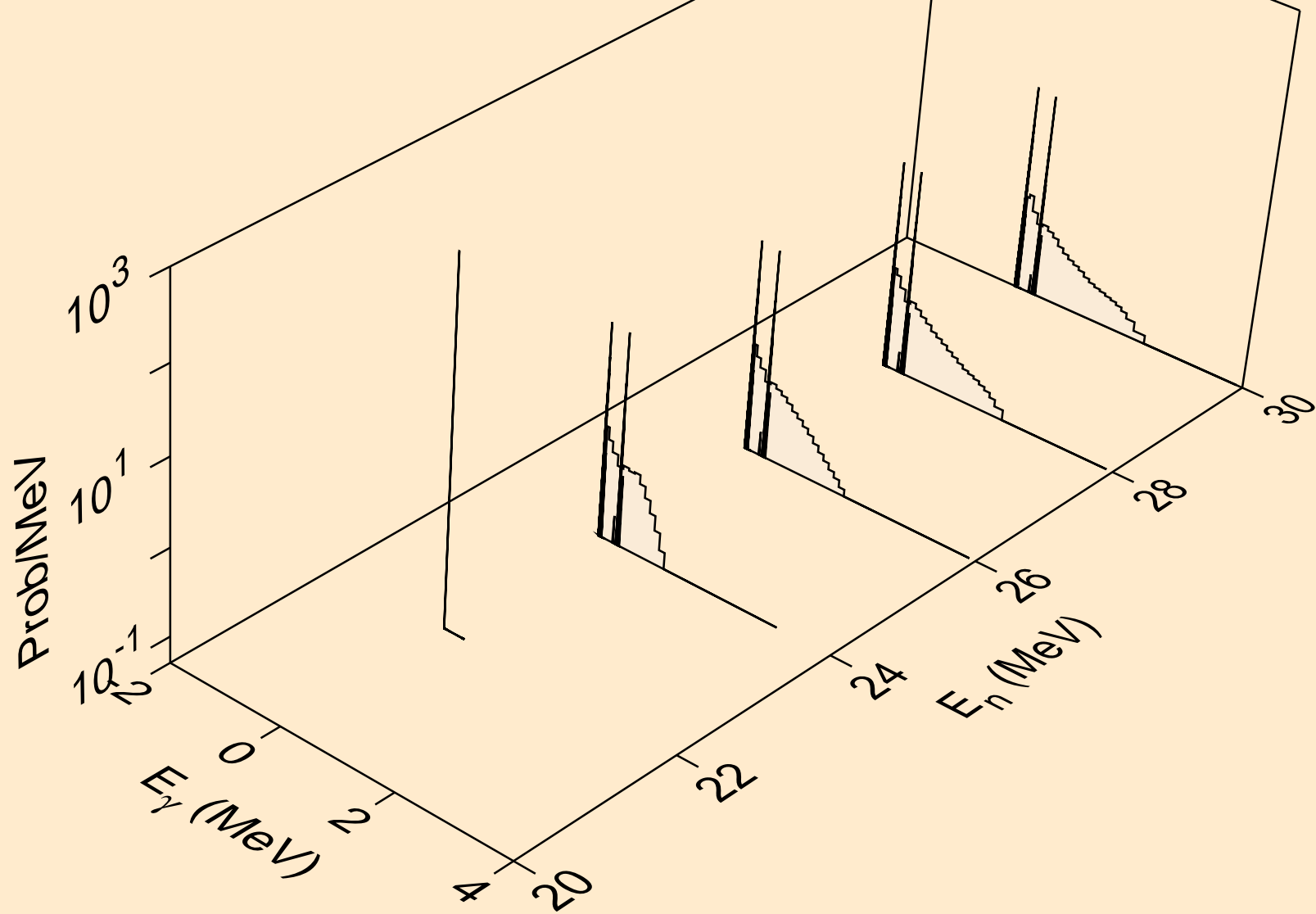
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Photon emission for (n,n\*)t



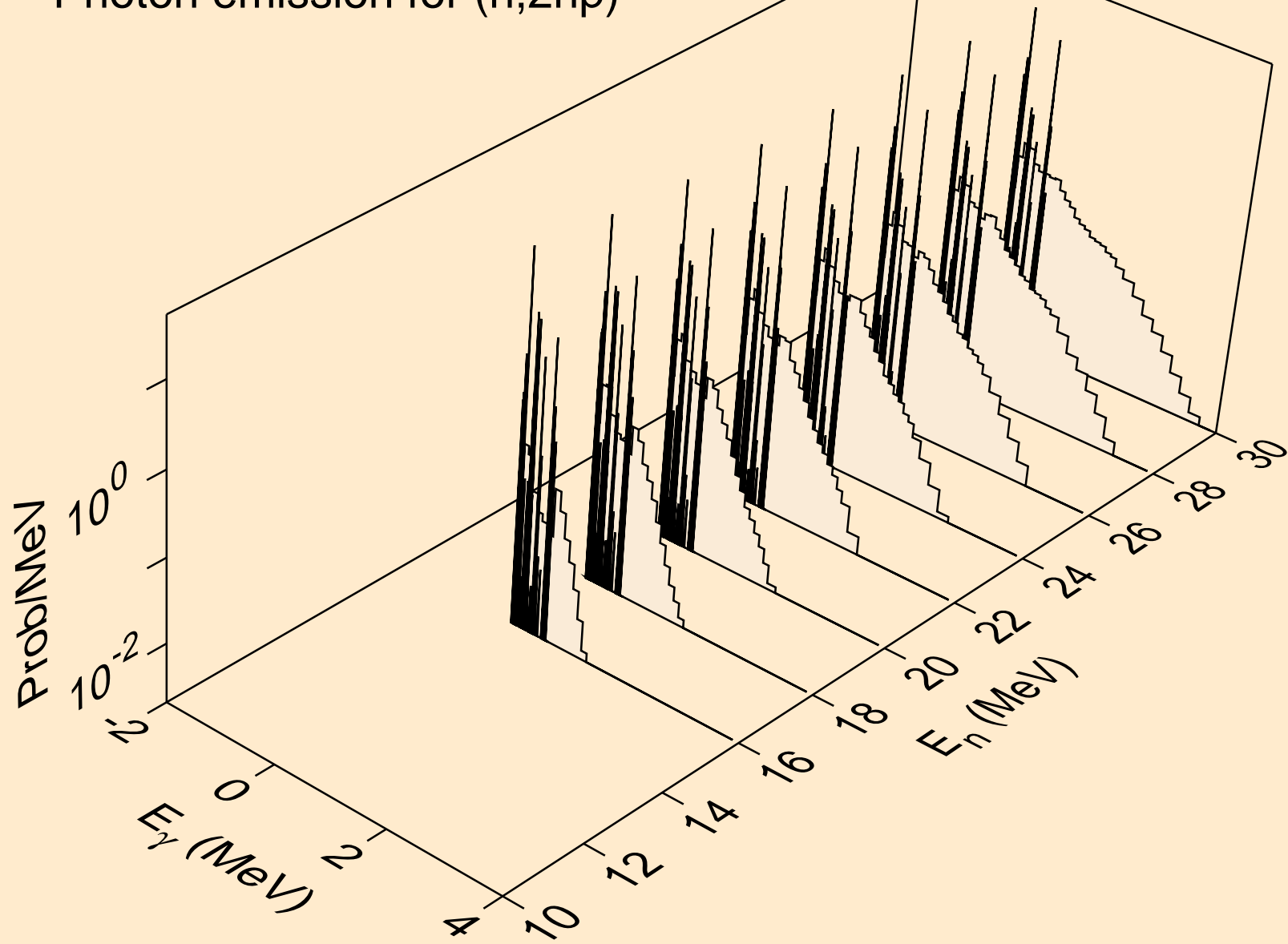
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Photon emission for (n,n\*)he3



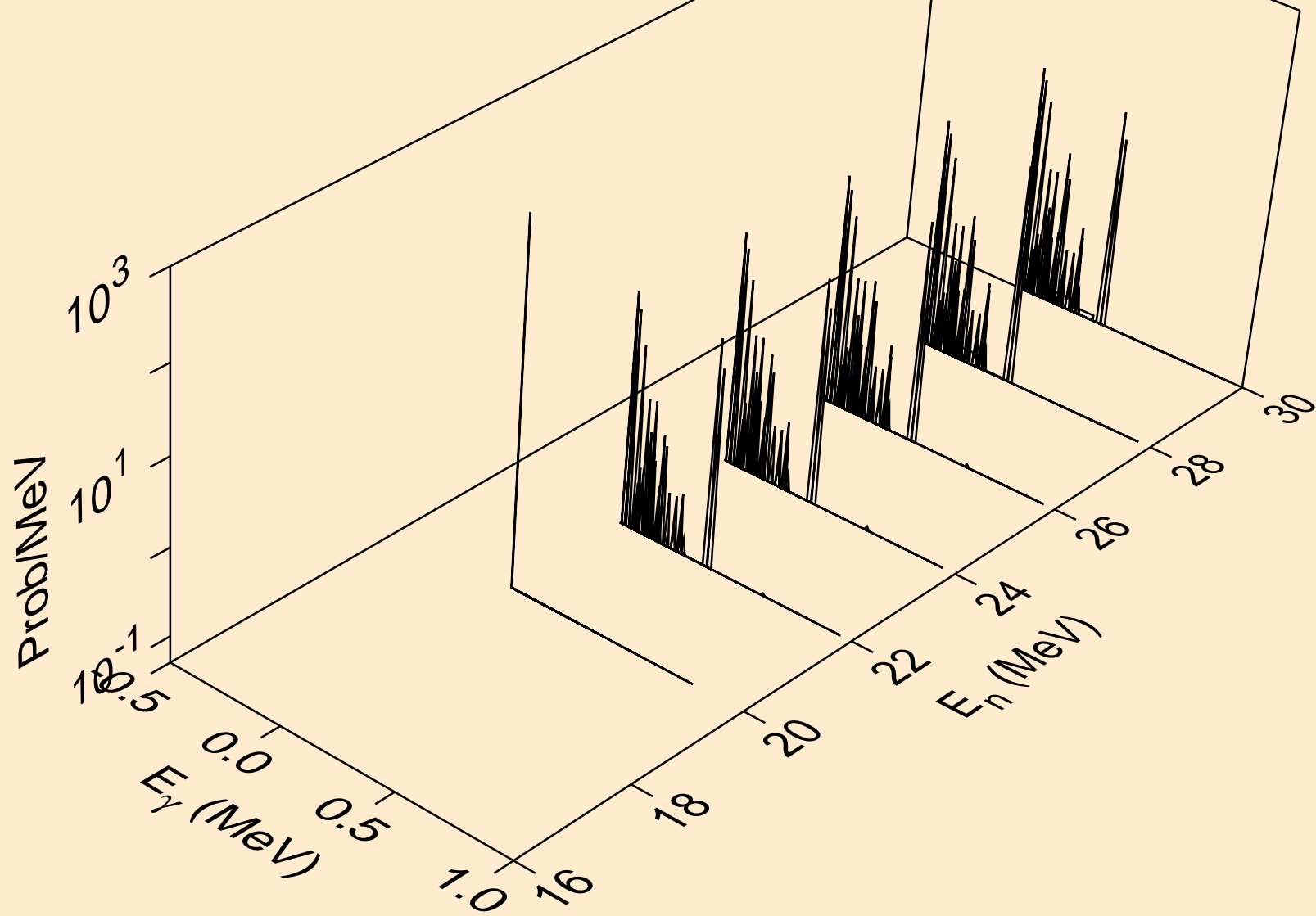
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Photon emission for (n,4n)



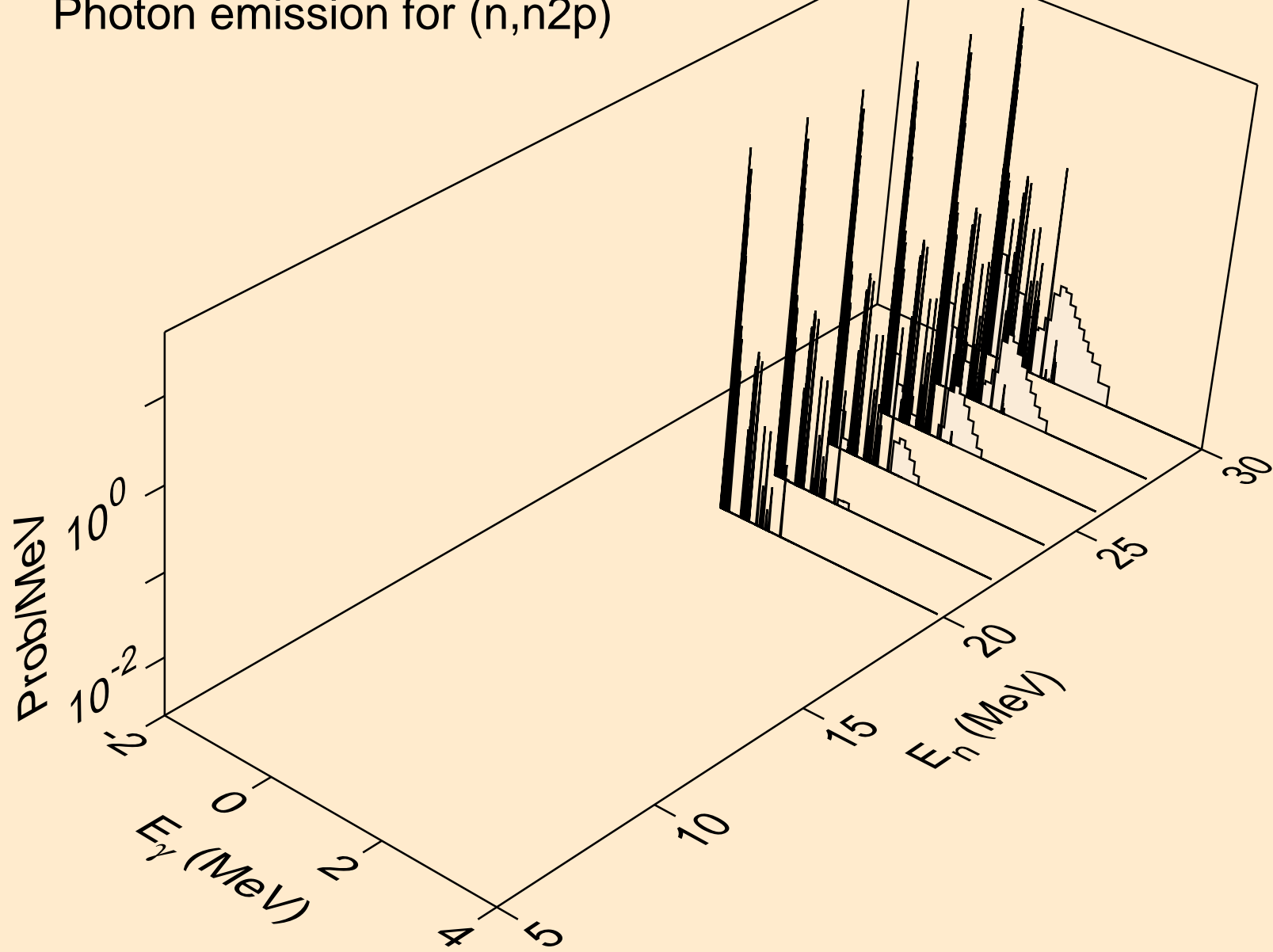
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Photon emission for (n,2np)



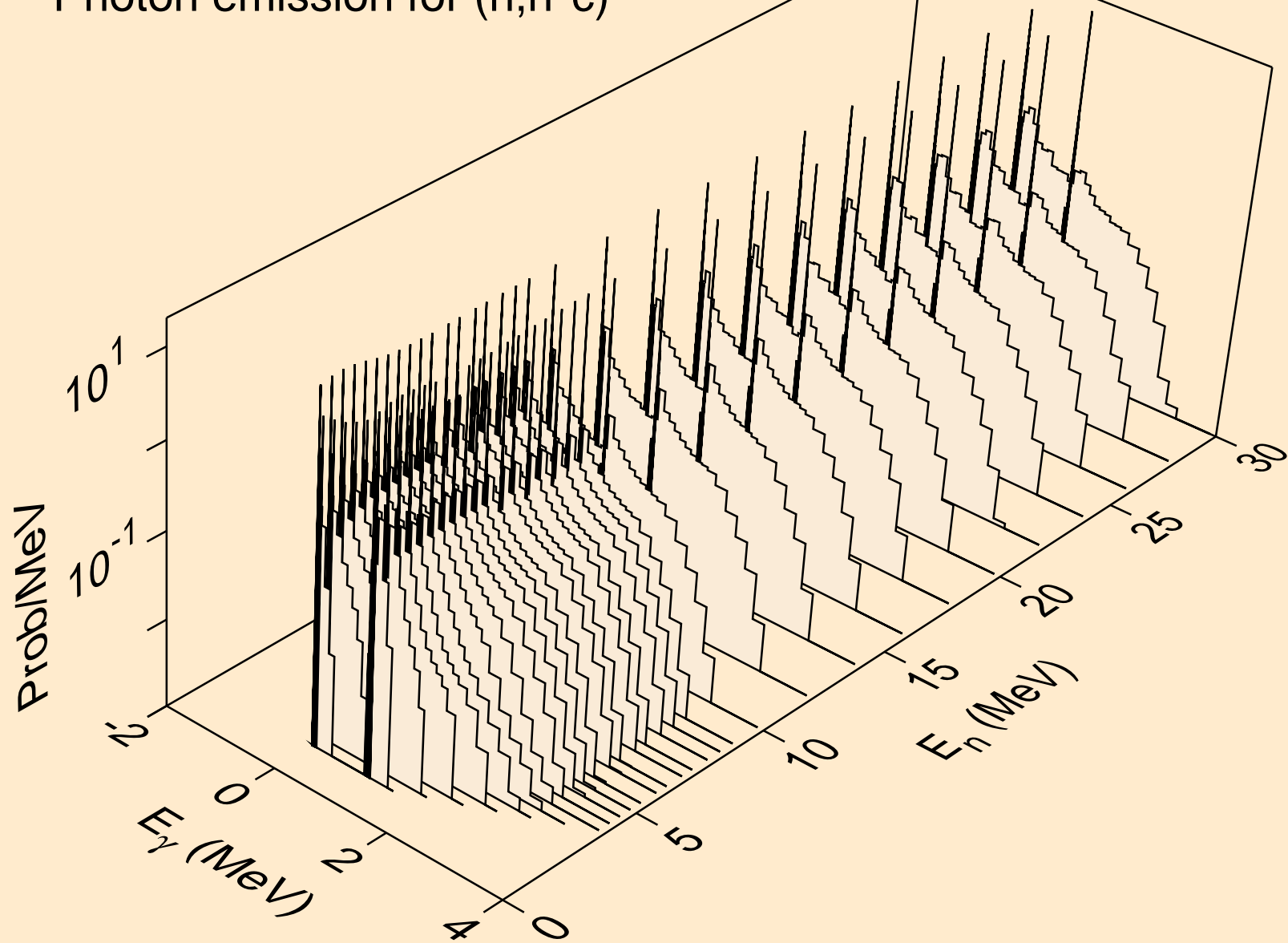
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Photon emission for (n,3np)



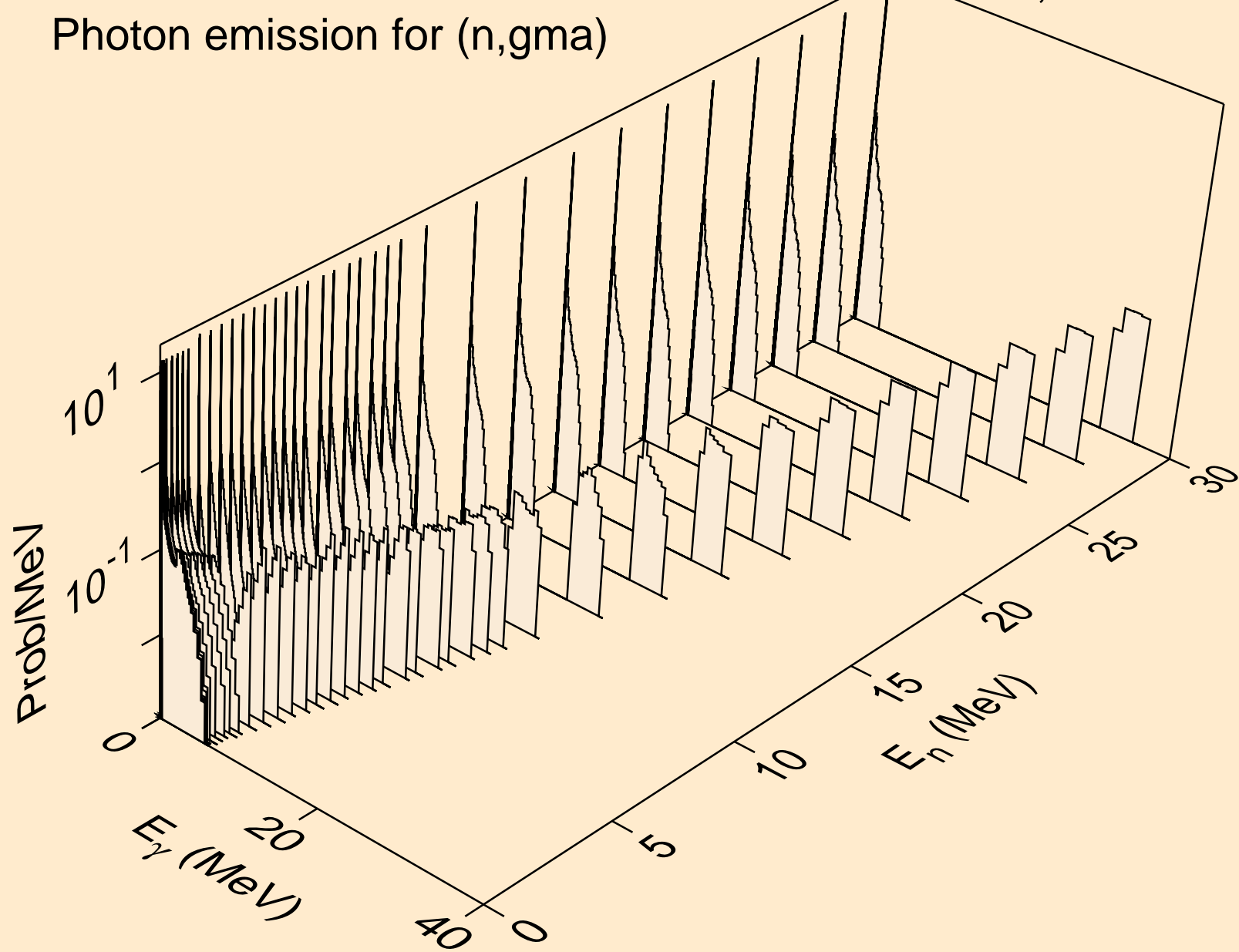
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Photon emission for (n,n2p)



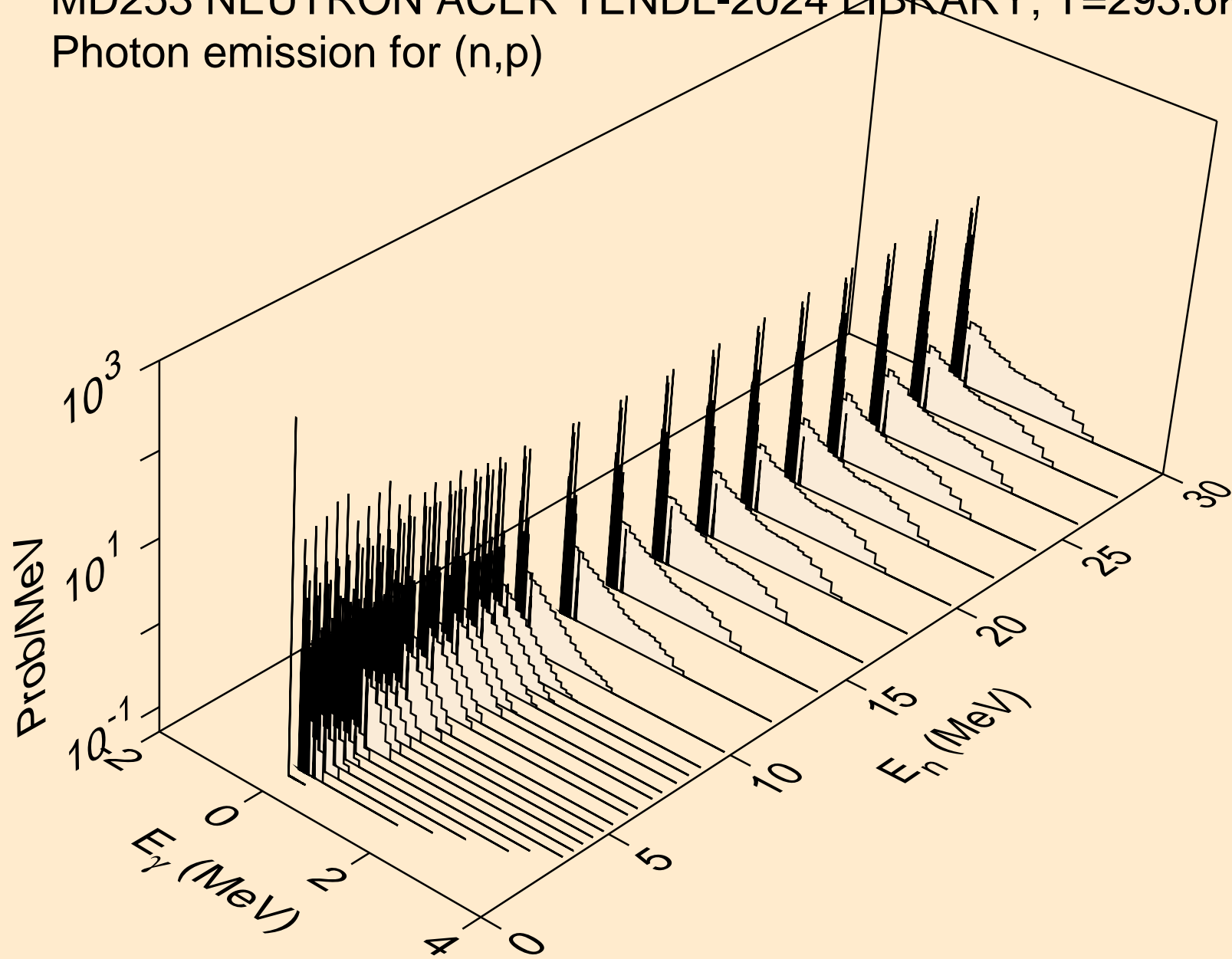
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Photon emission for (n,n\*c)



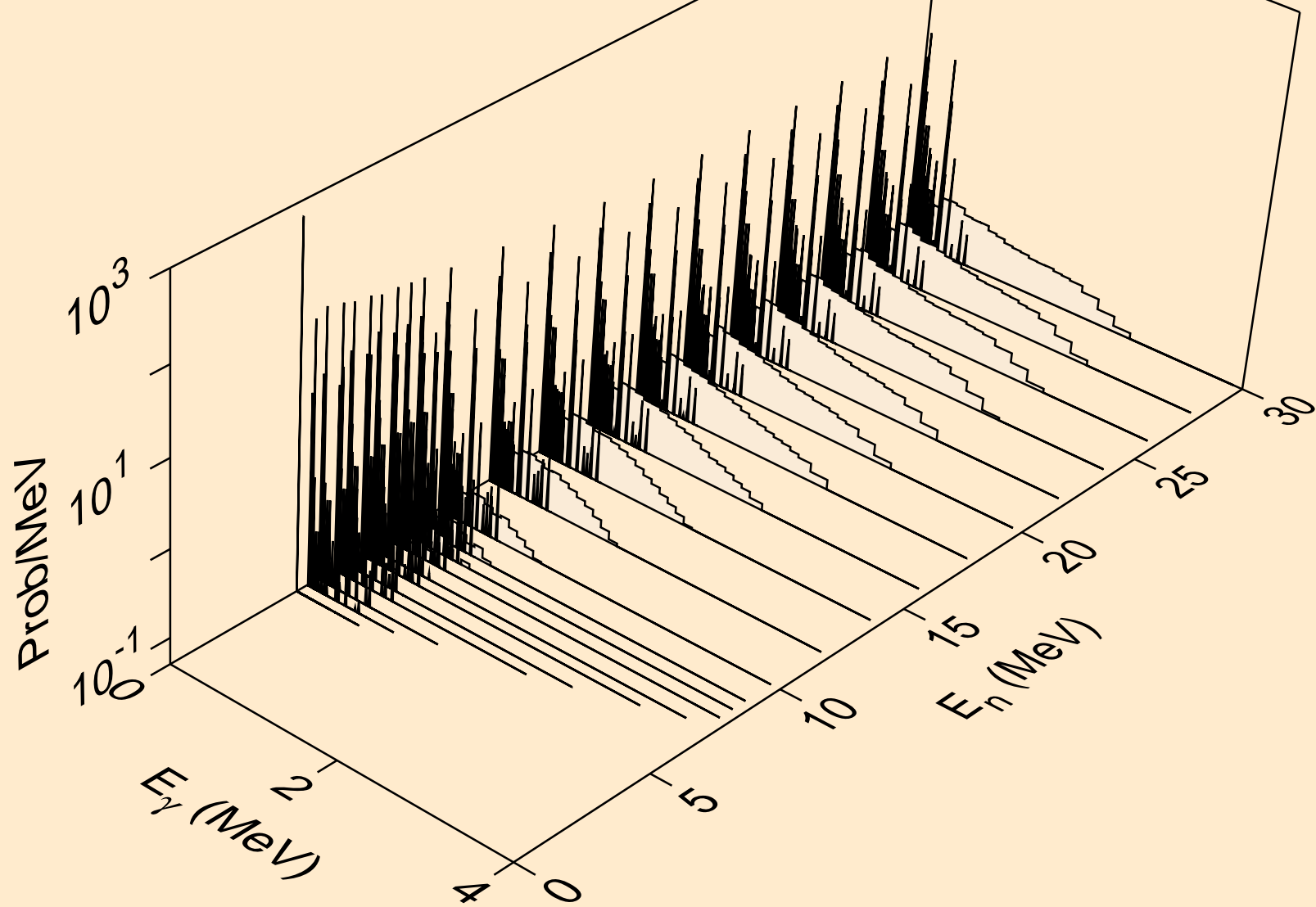
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Photon emission for (n,gma)



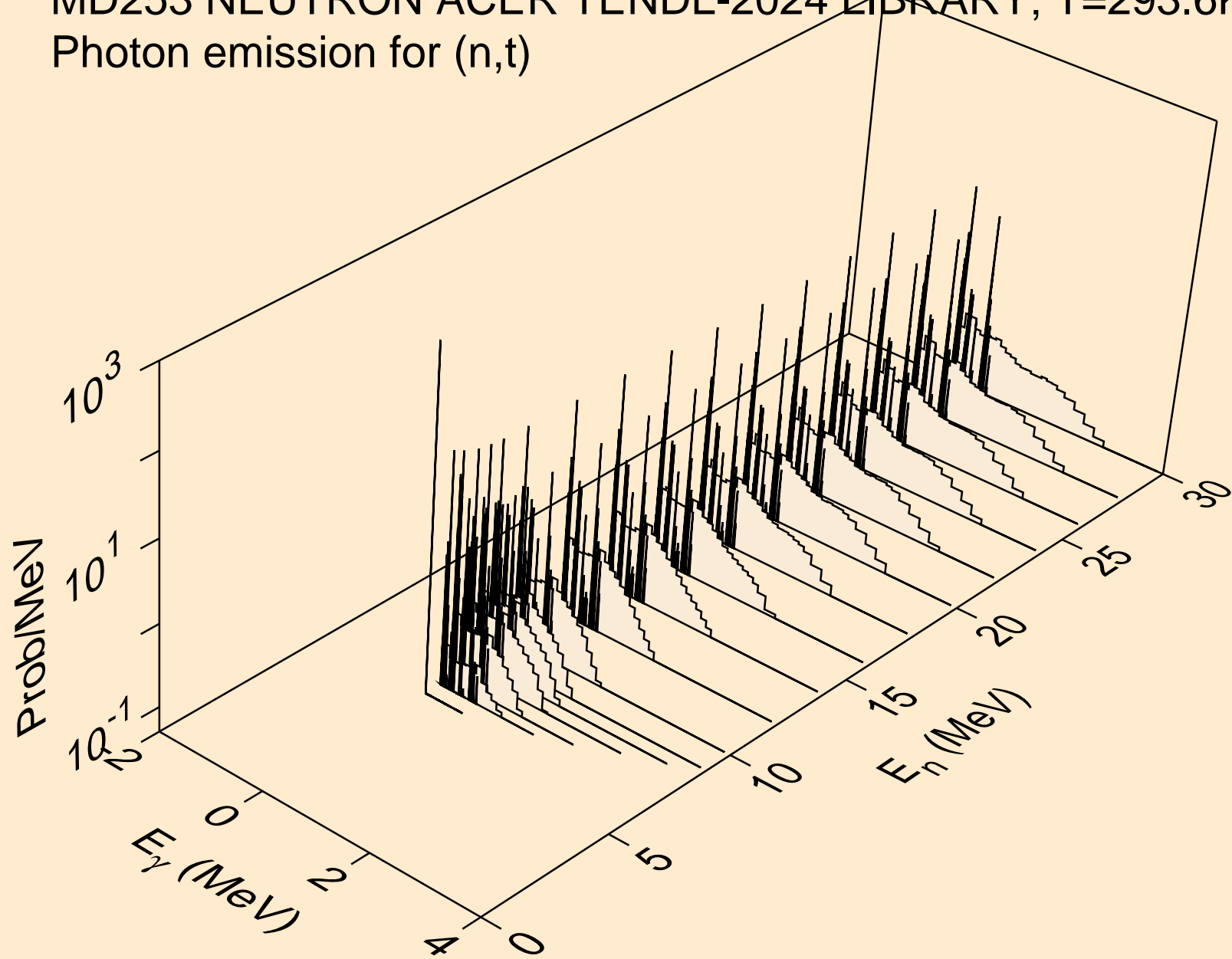
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Photon emission for (n,p)



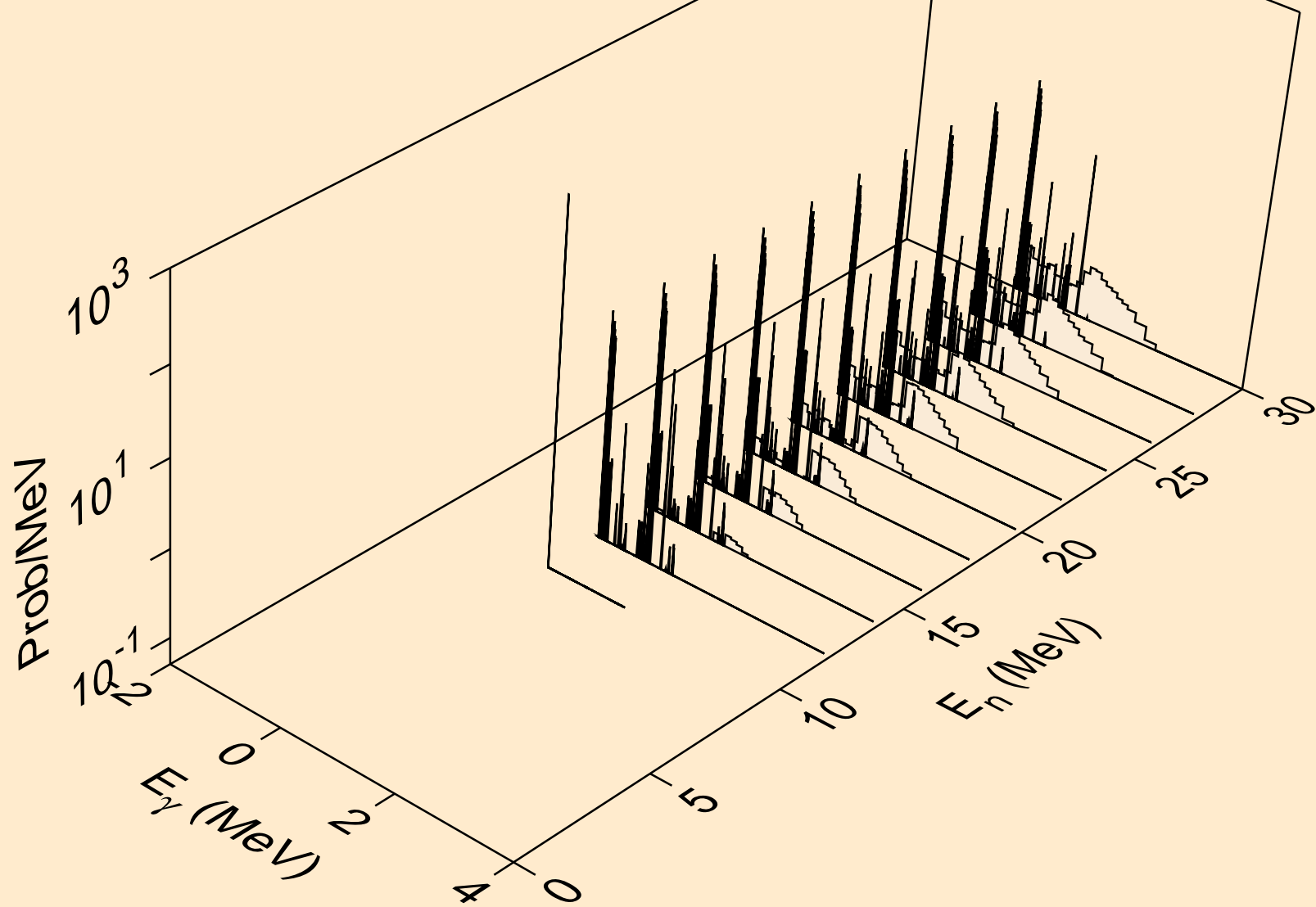
MD253 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,d)



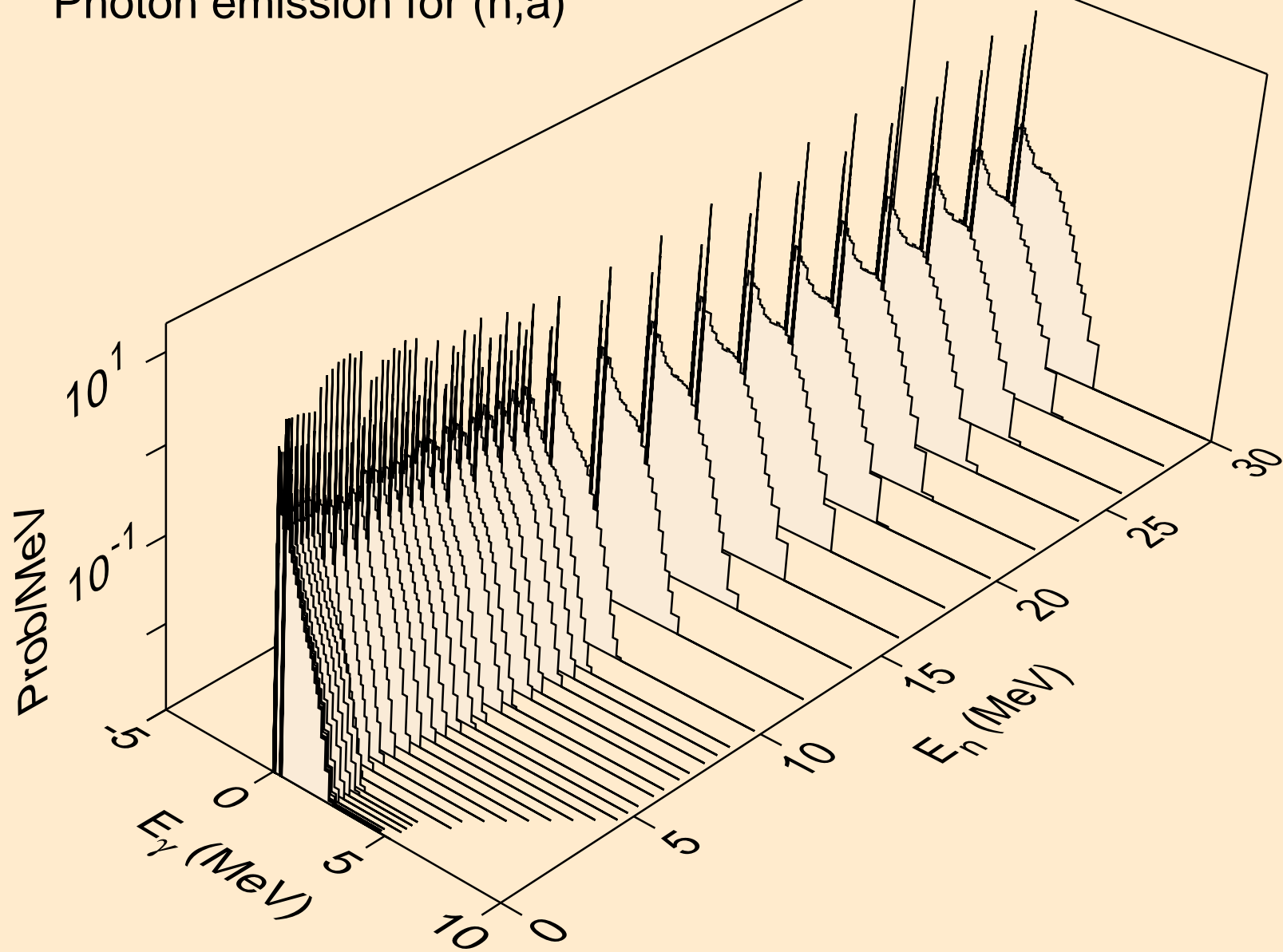
MD253 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,t)



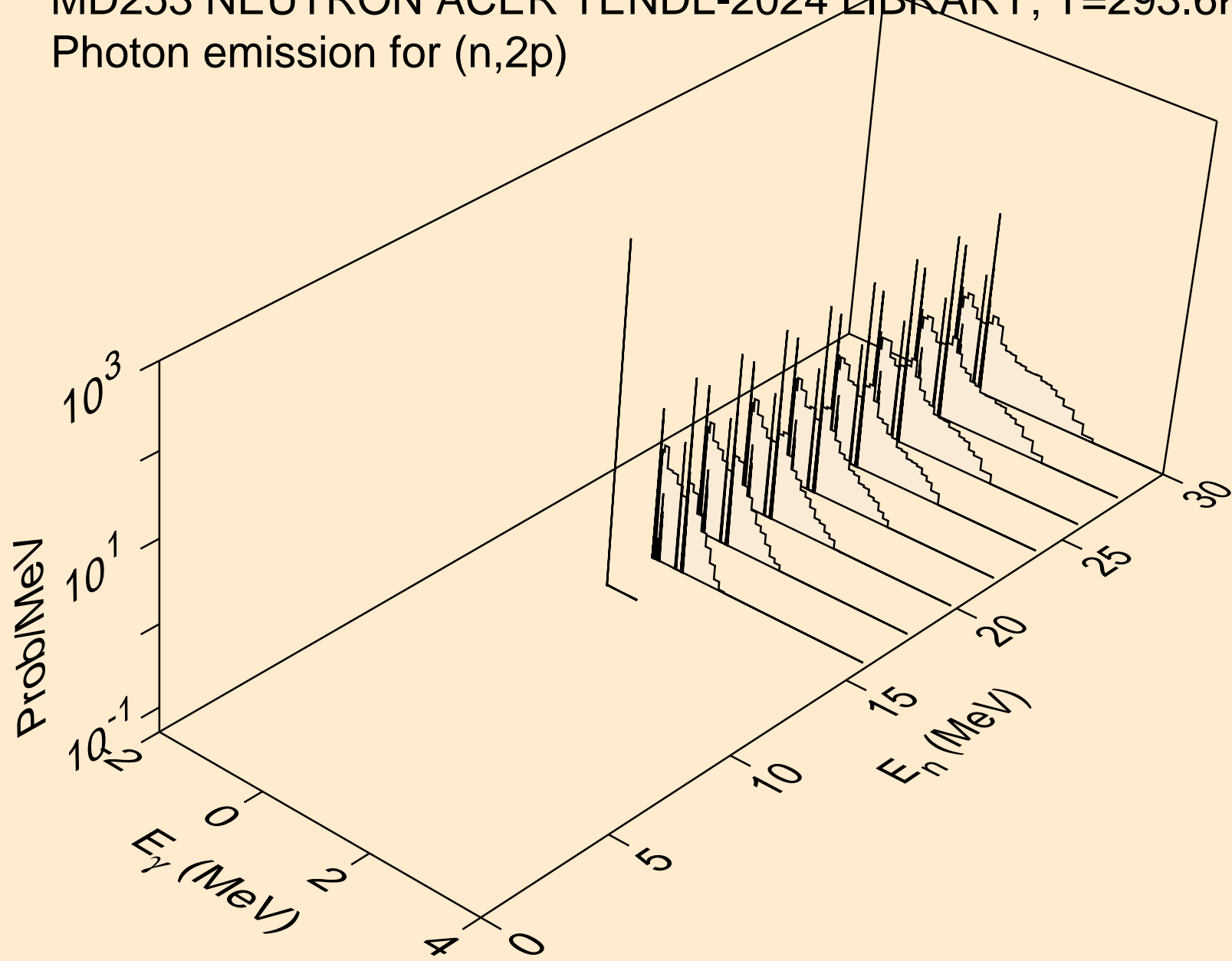
MD253 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,he3)



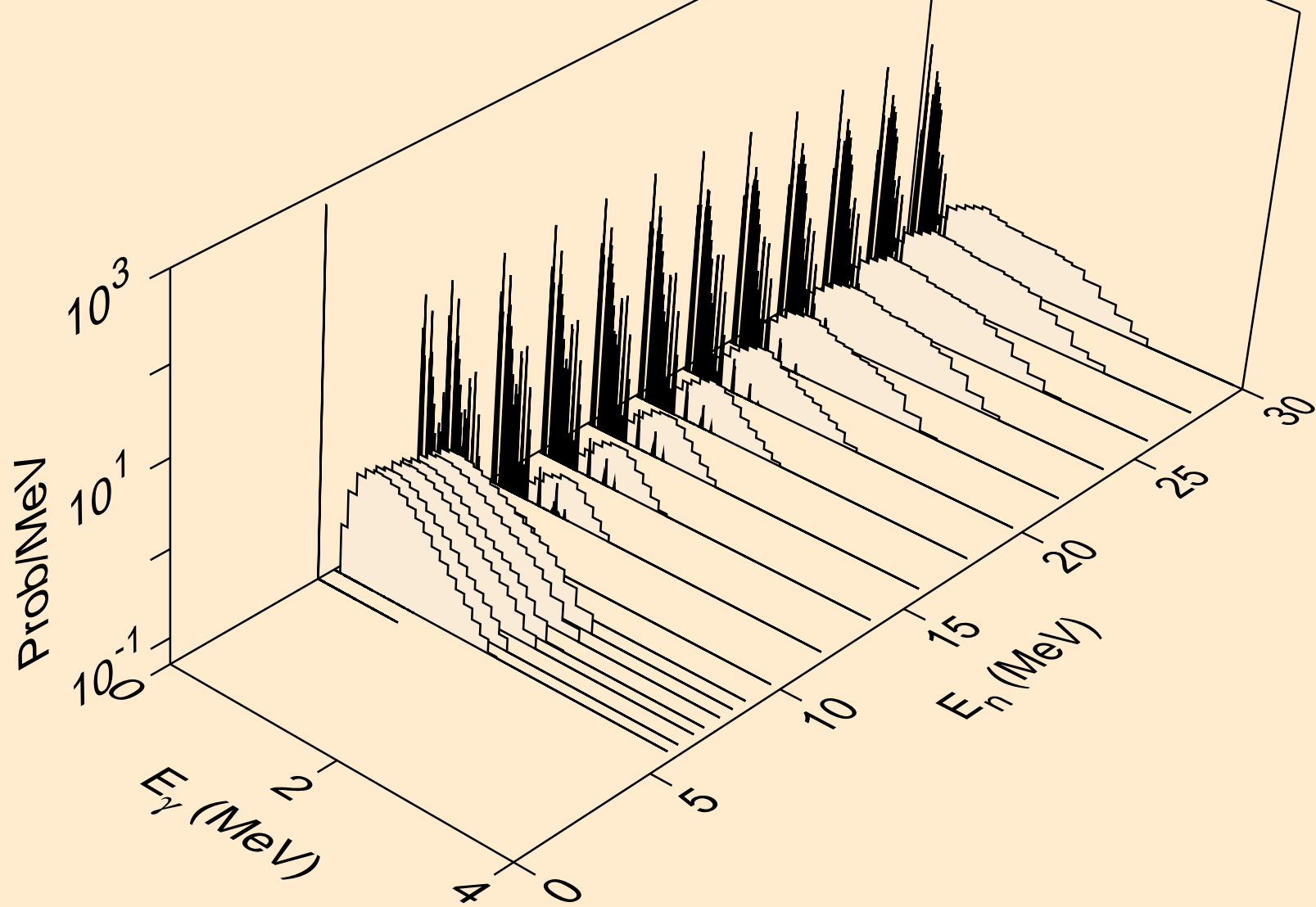
MD253 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,a)



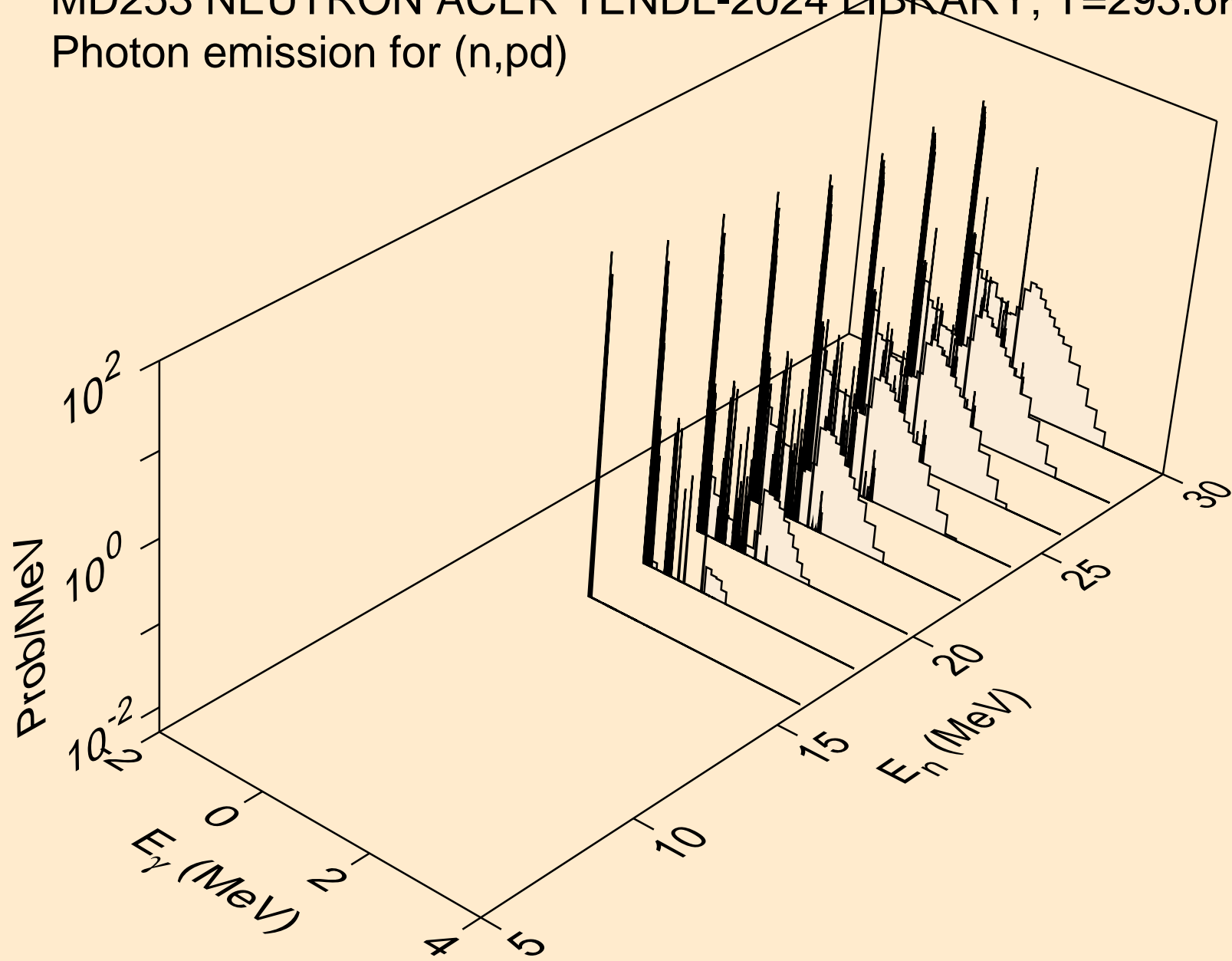
MD253 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,2p)



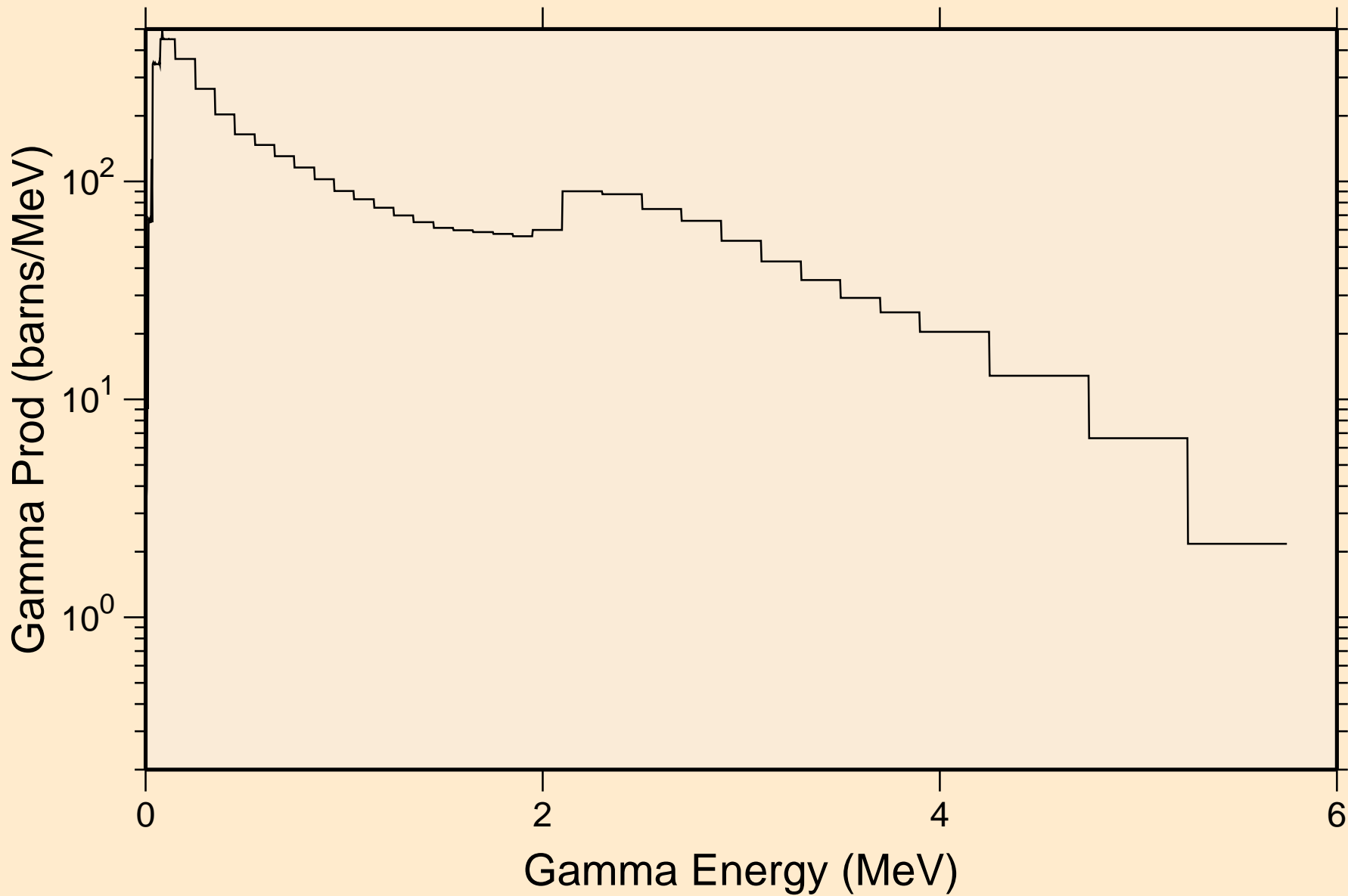
MD253 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,p $\alpha$ )



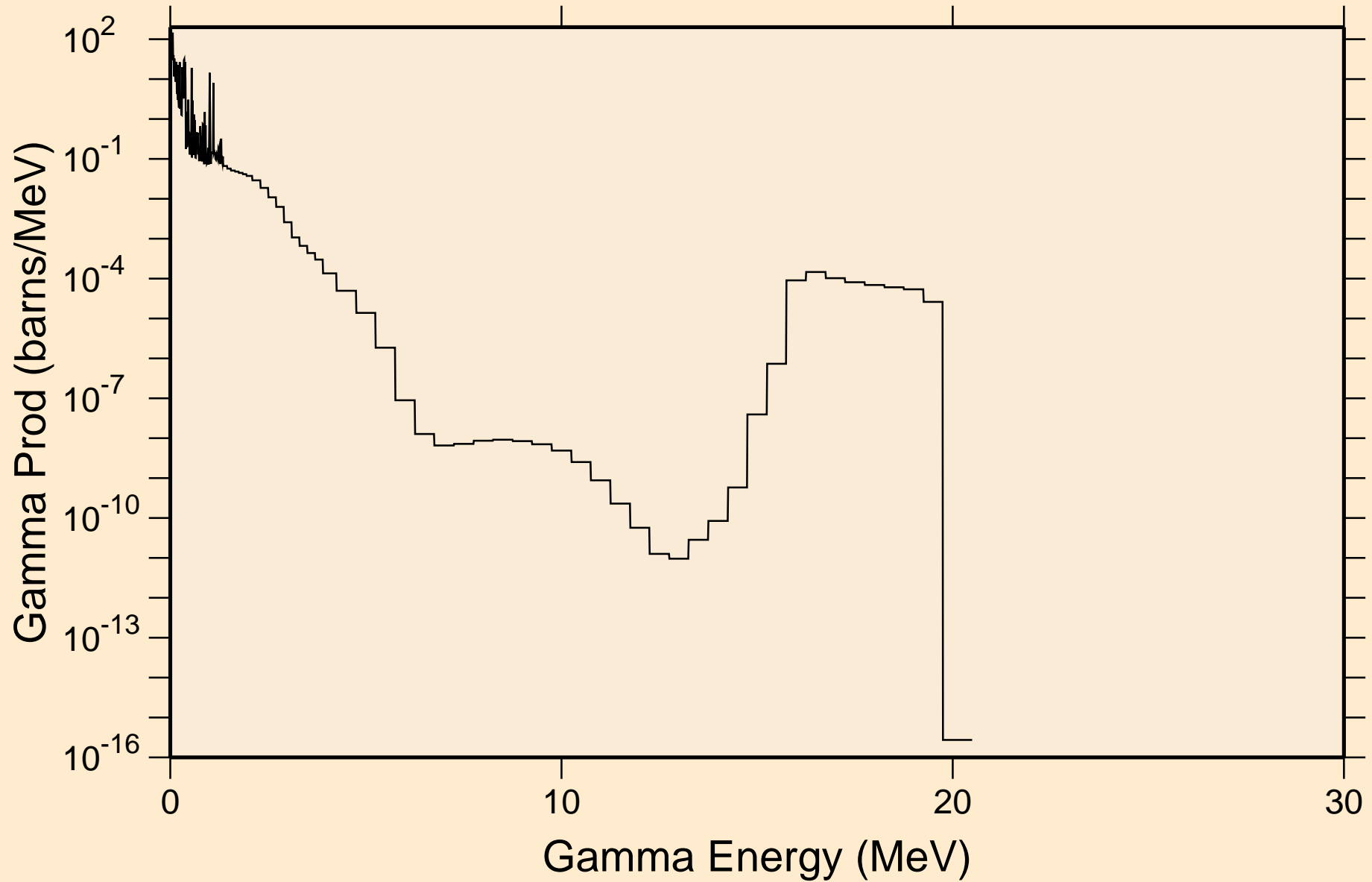
MD253 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,pd)



MD253 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
thermal capture photon spectrum

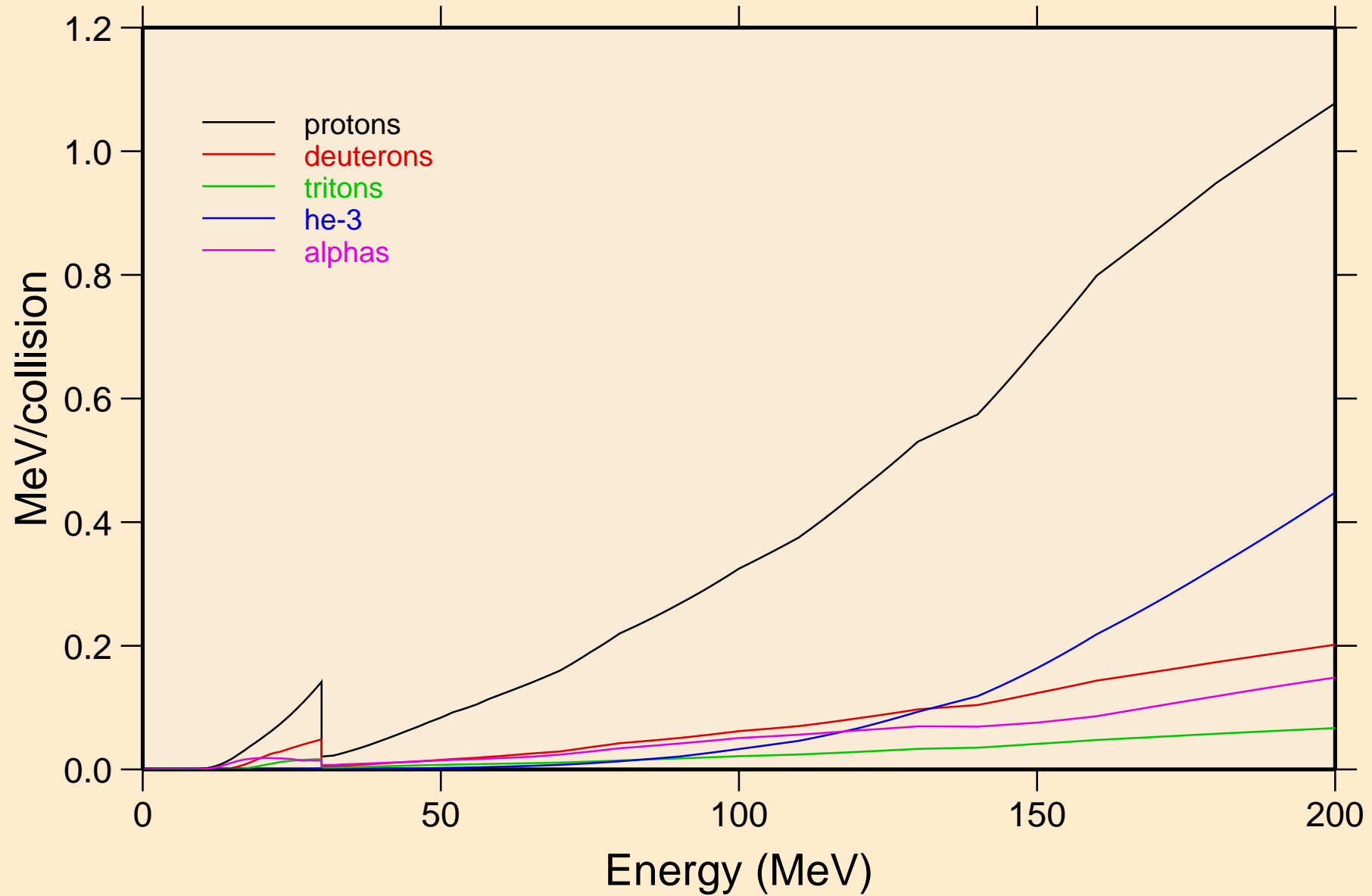


MD253 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
14 MeV photon spectrum

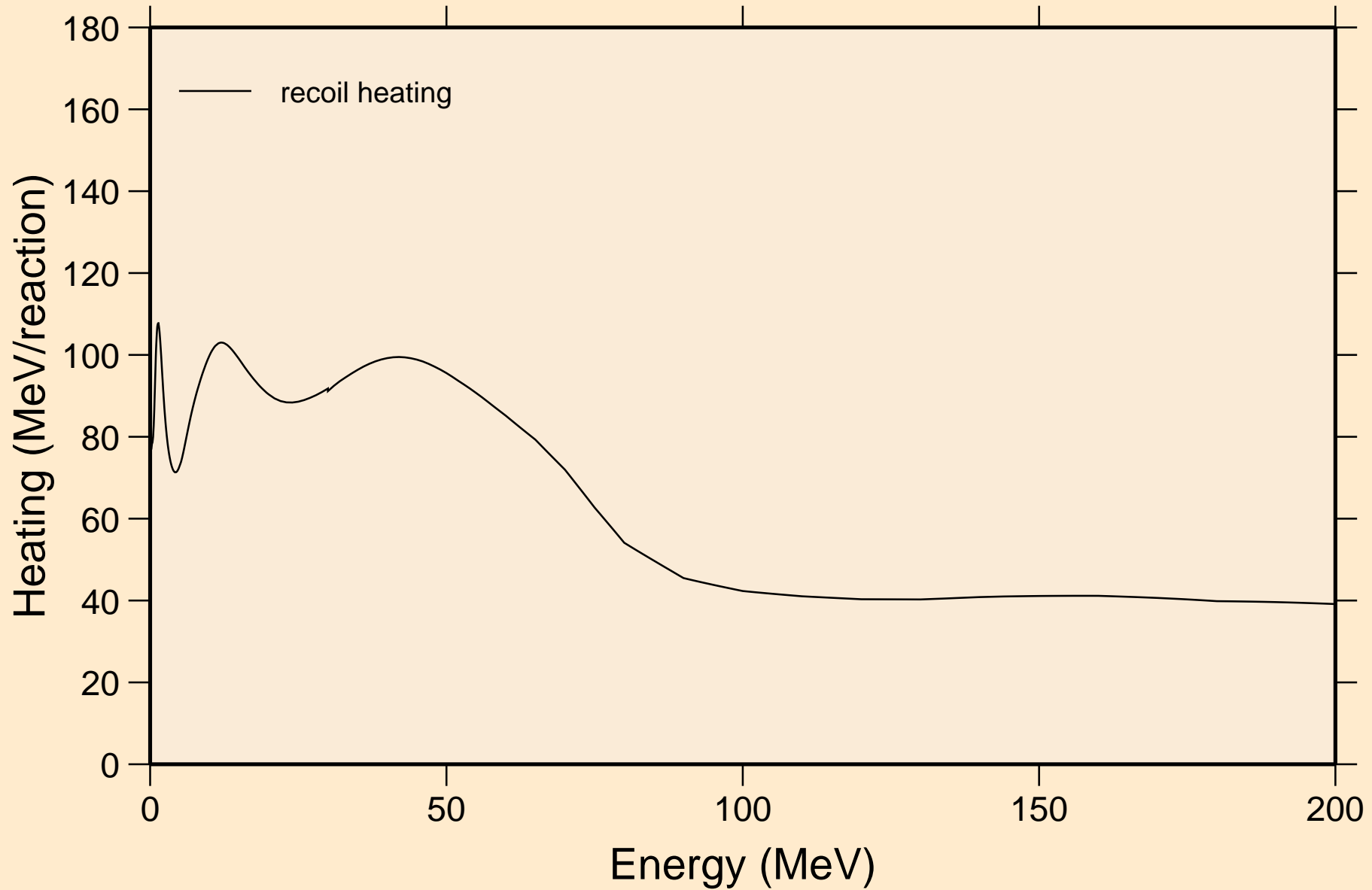


# MD253 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

## Particle heating contributions

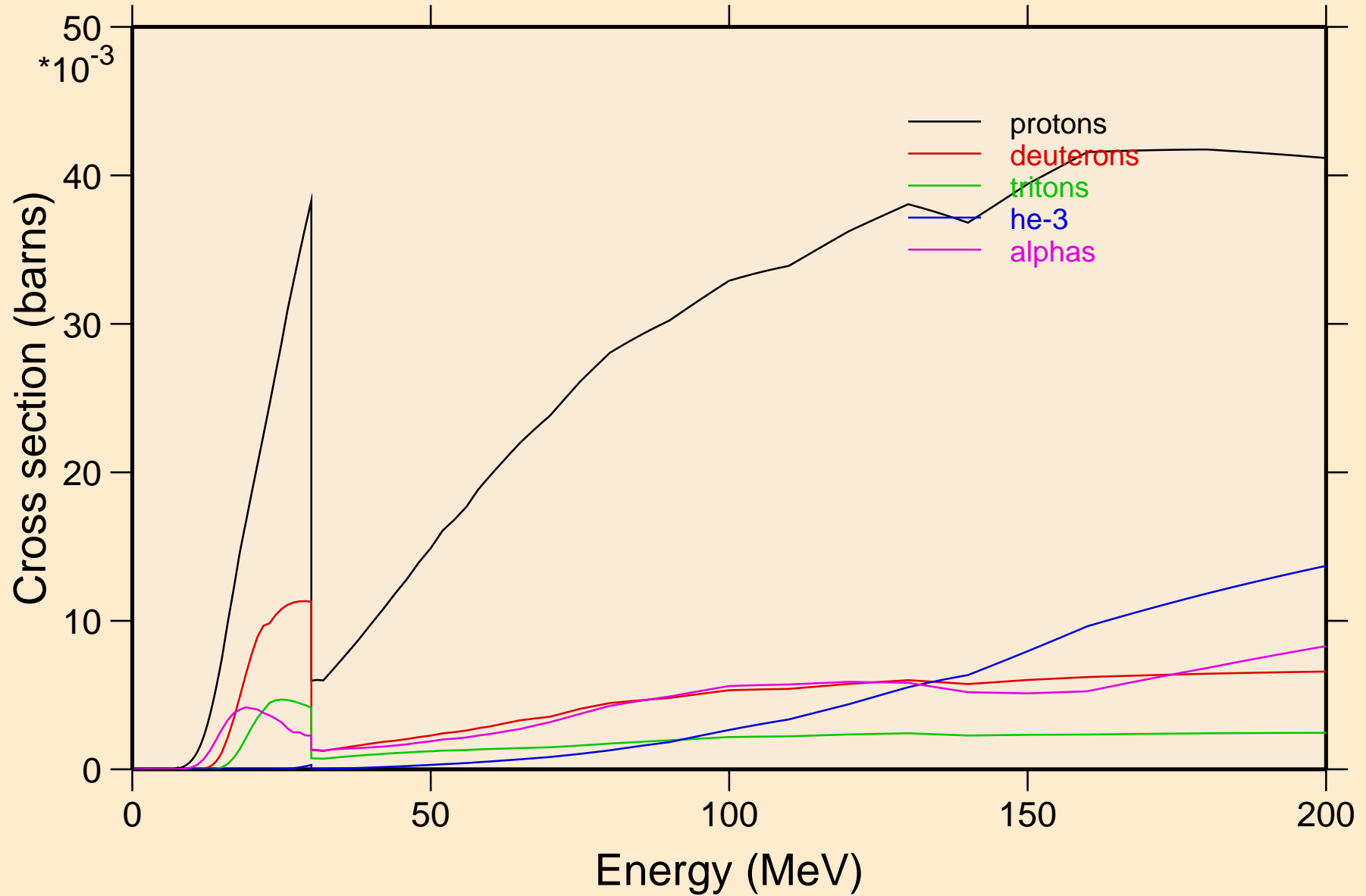


MD253 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Recoil Heating

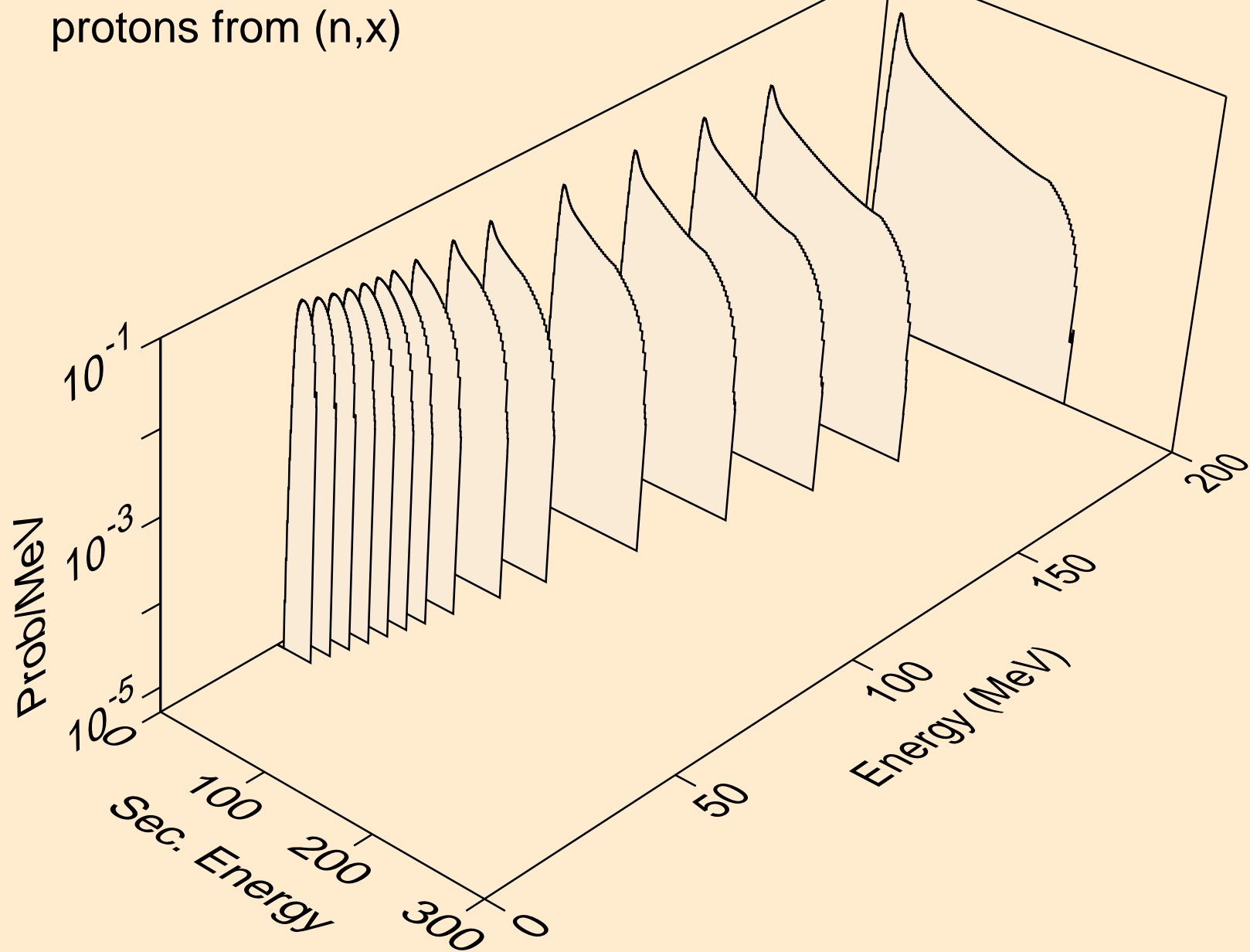


# MD253 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

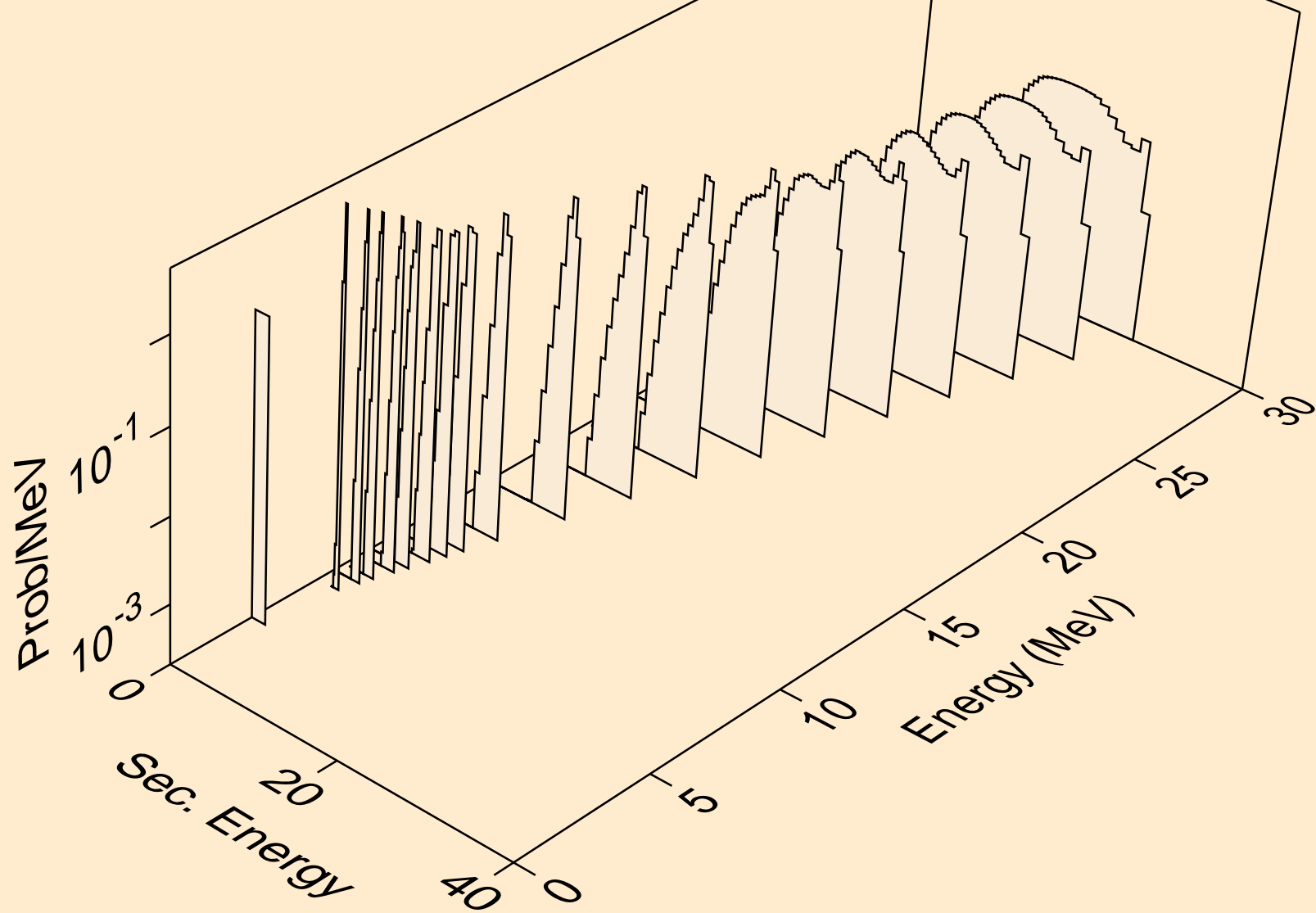
## Particle production cross sections



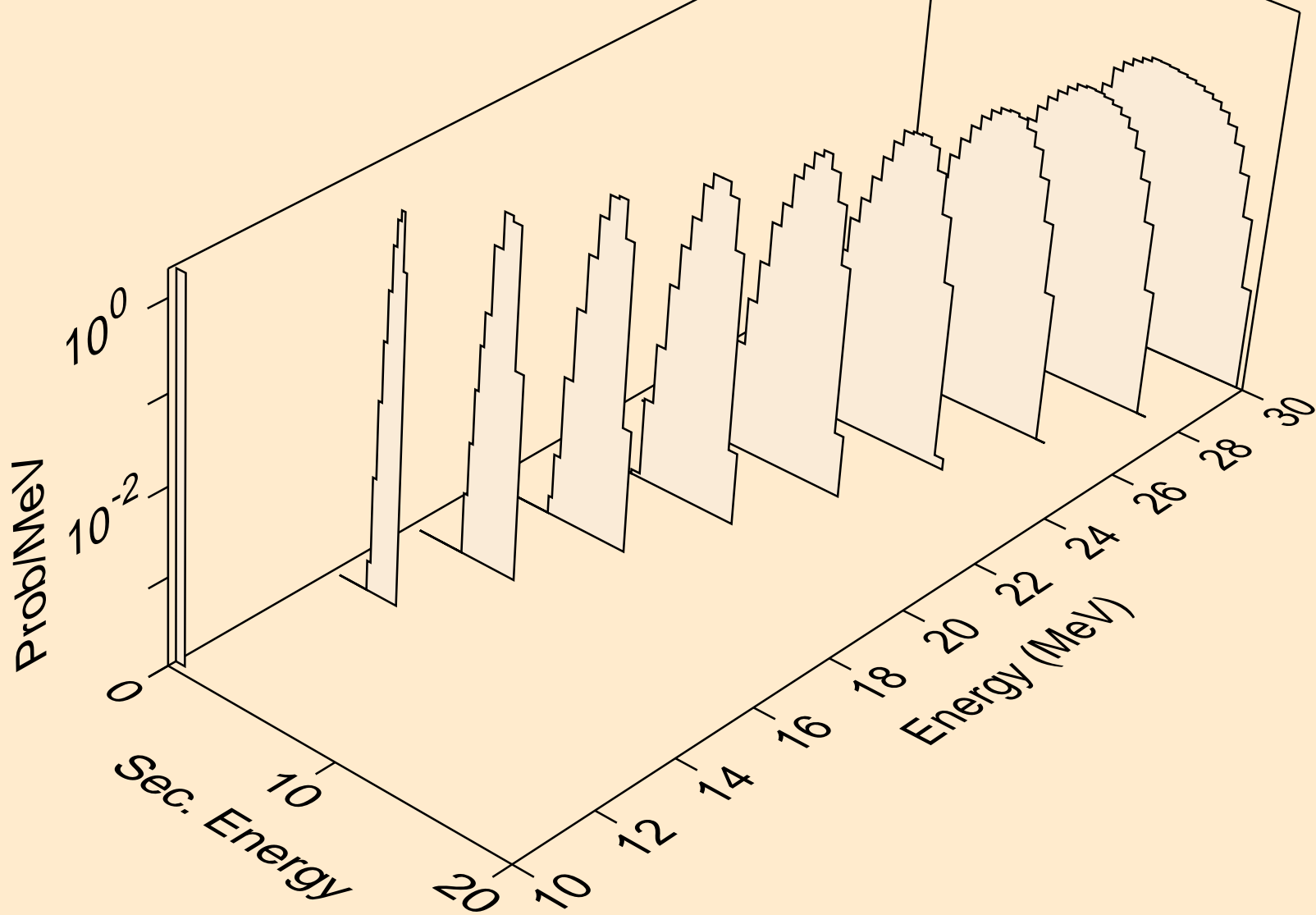
MD253 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
protons from (n,x)



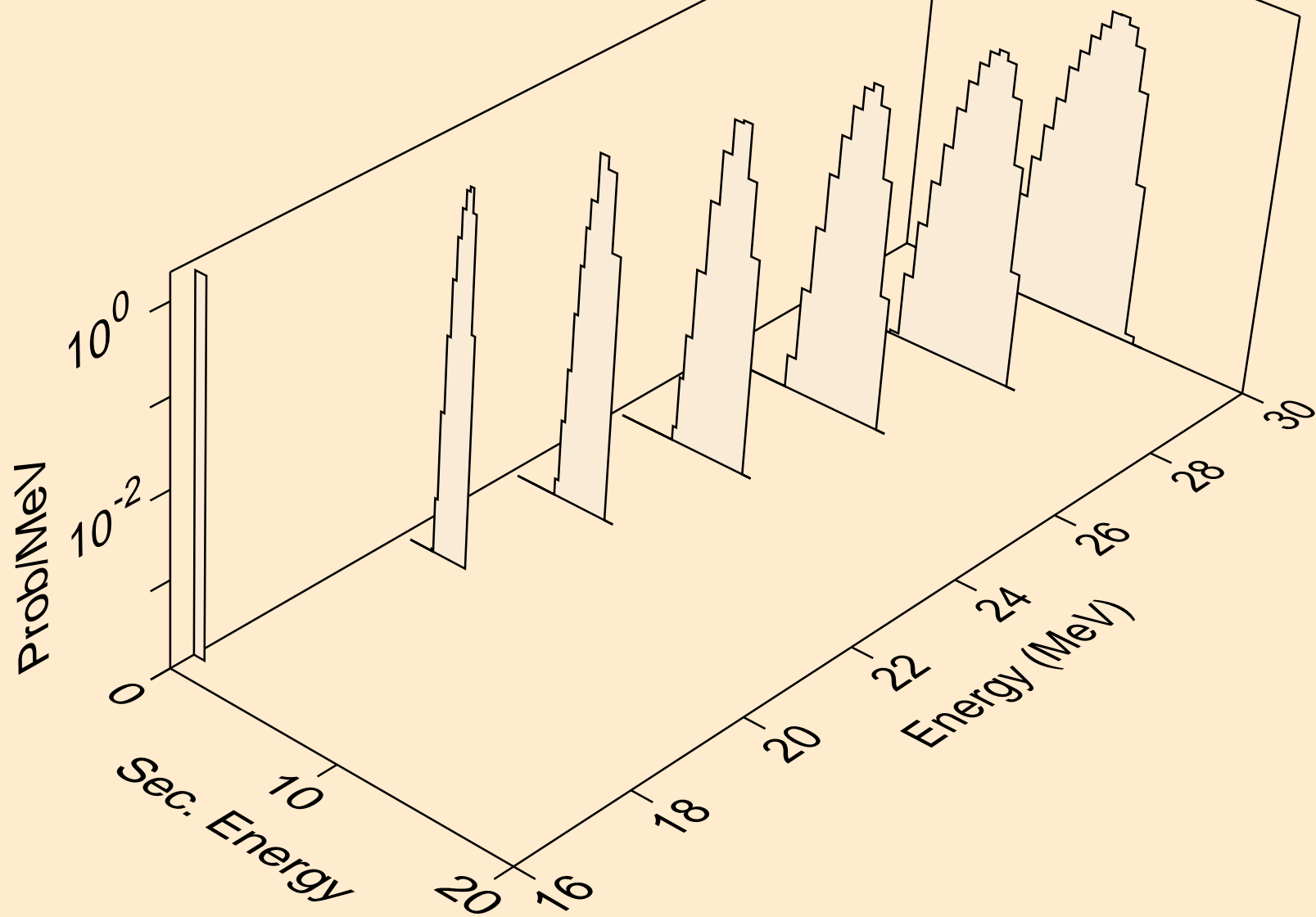
MD253 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
protons from (n,n\*)p



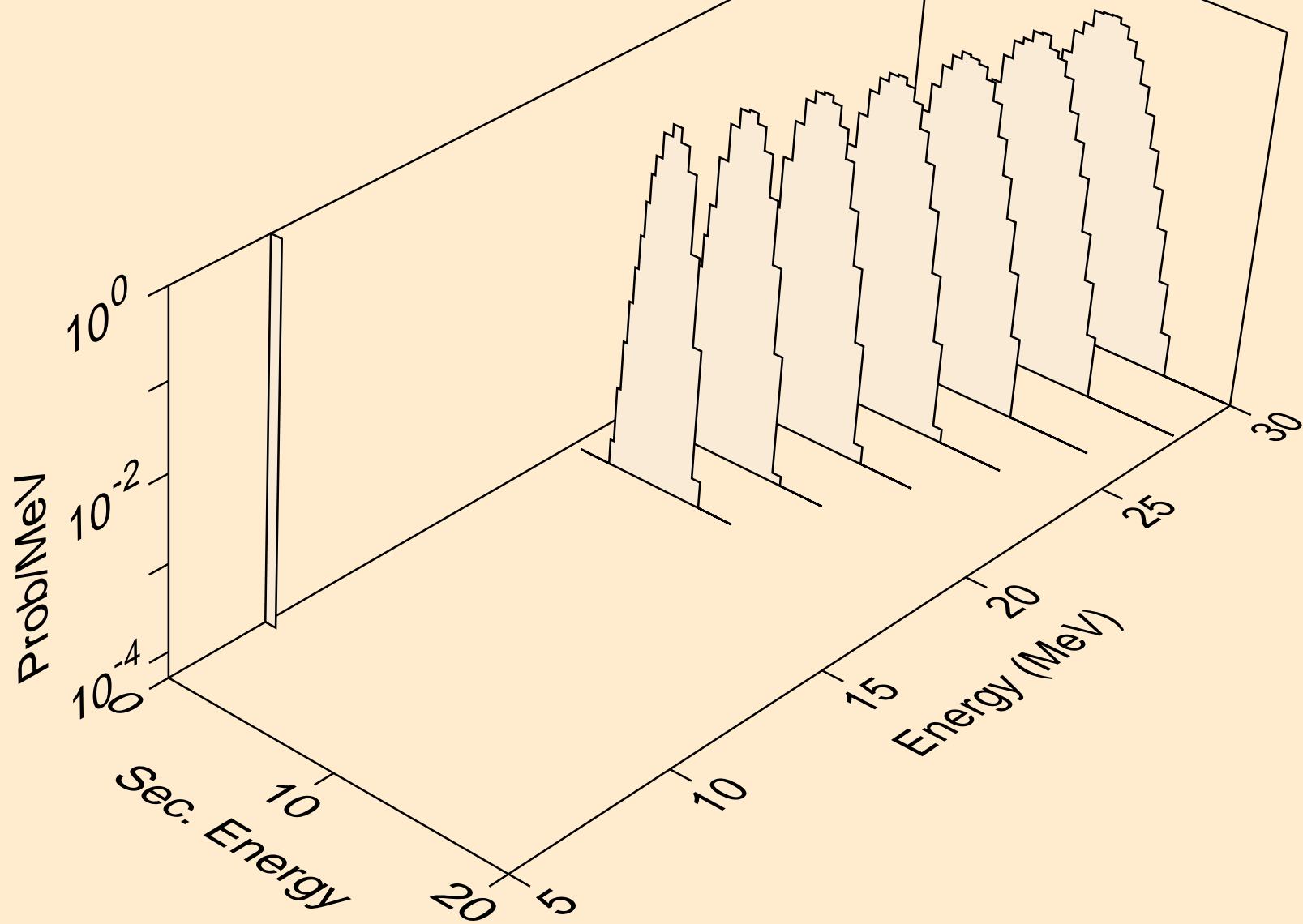
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protons from (n,2np)



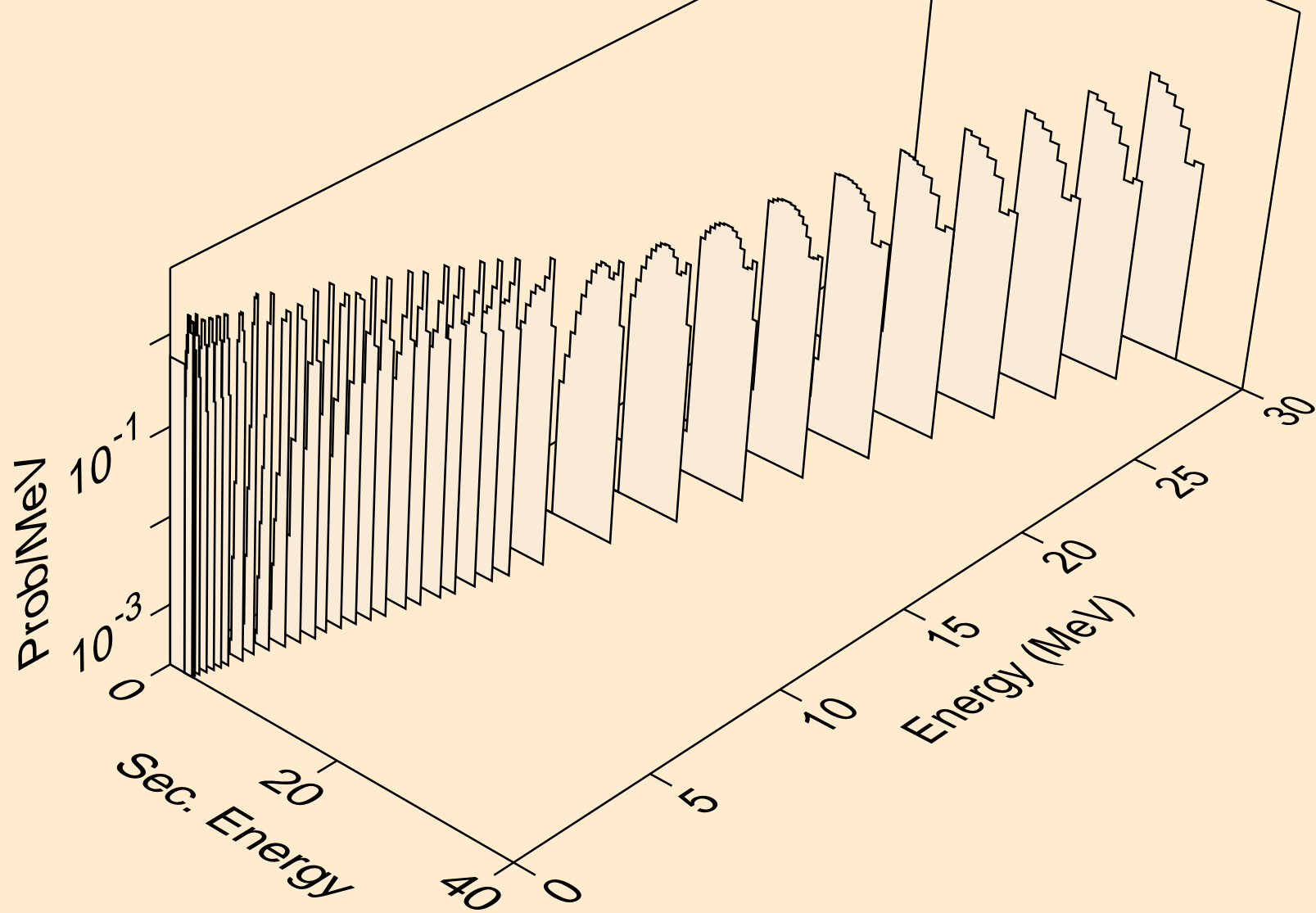
MD253 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
protons from (n,3np)



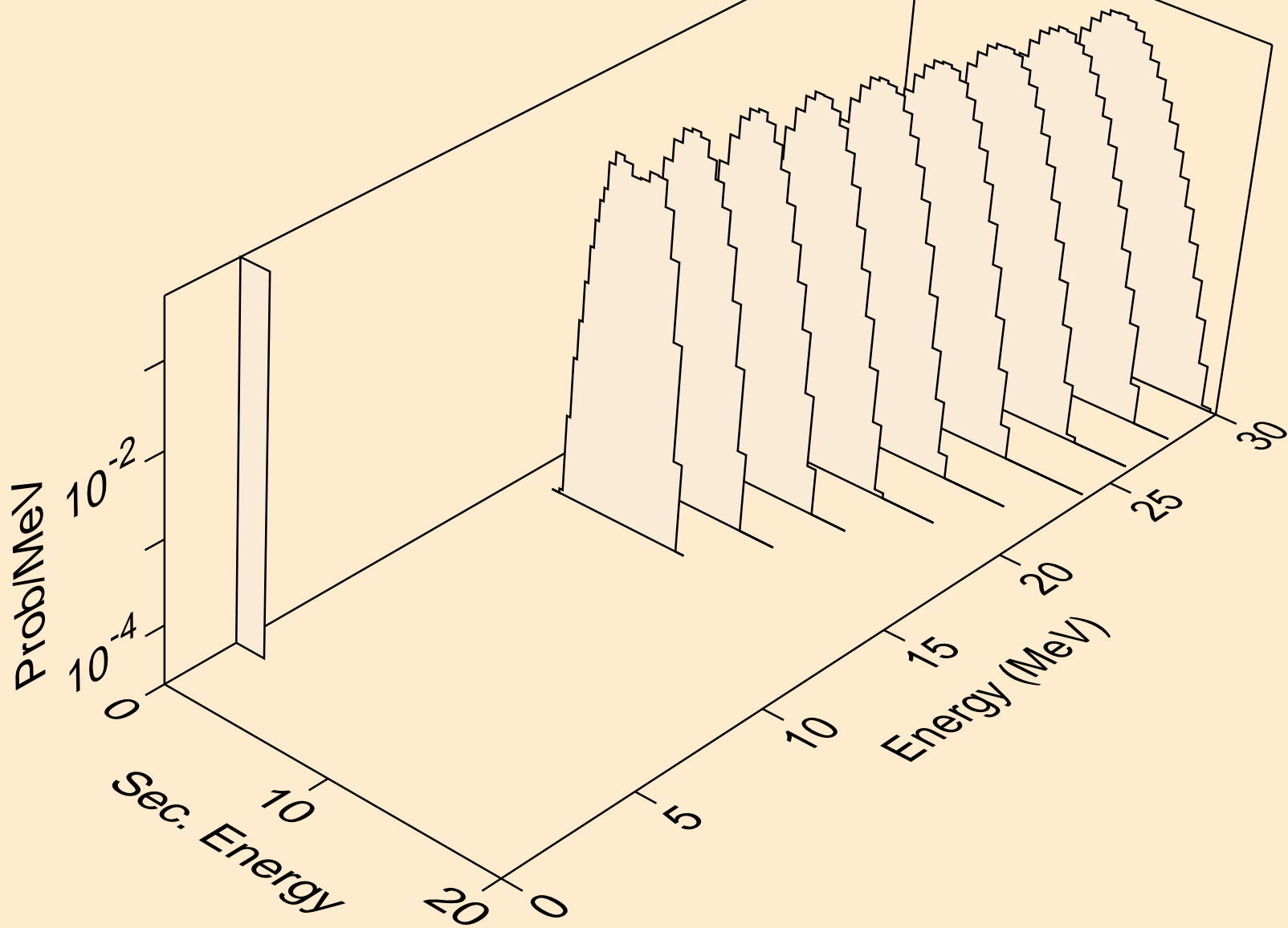
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protons from (n,n2p)



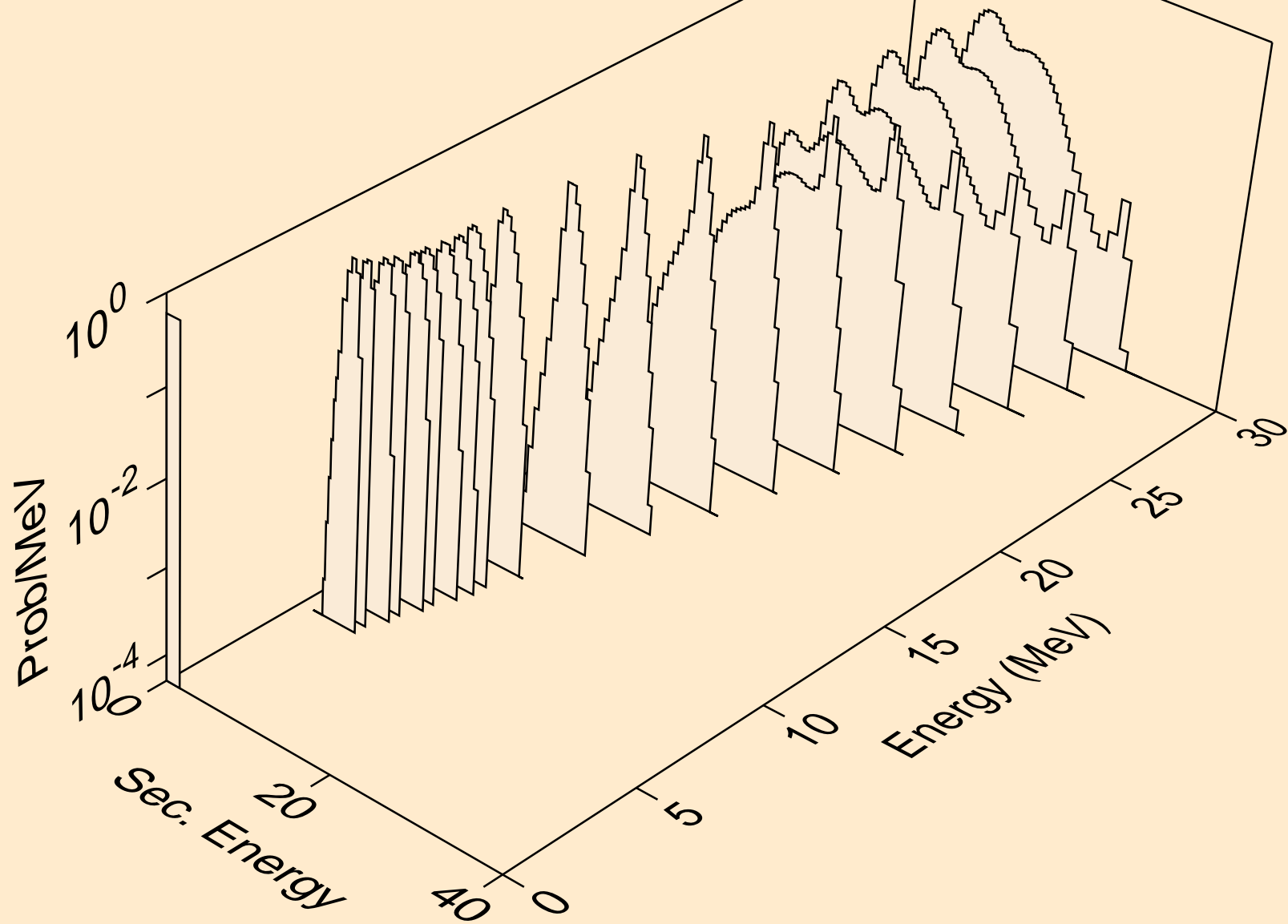
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protons from (n,p)



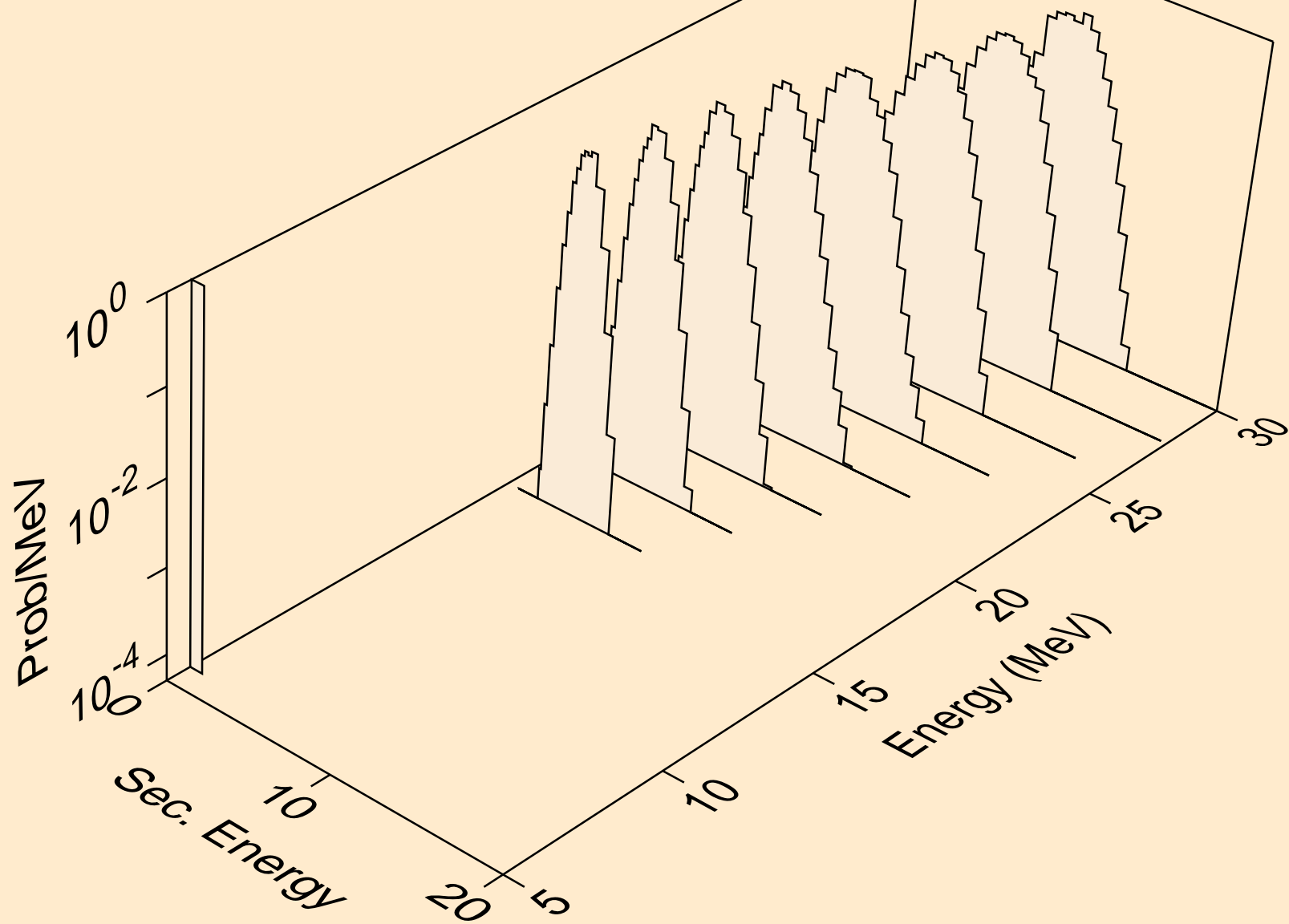
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protons from (n,2p)



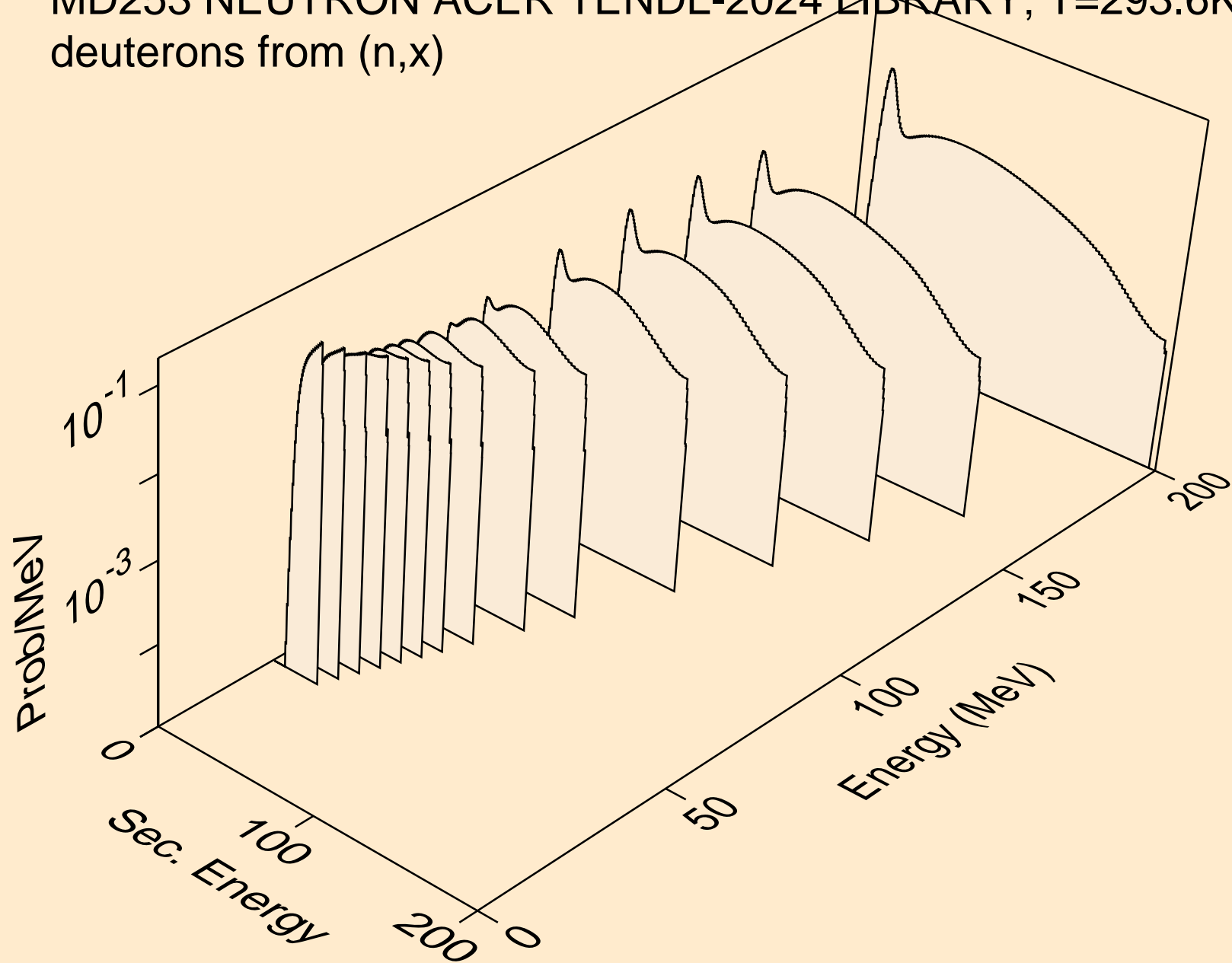
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protons from (n,p)



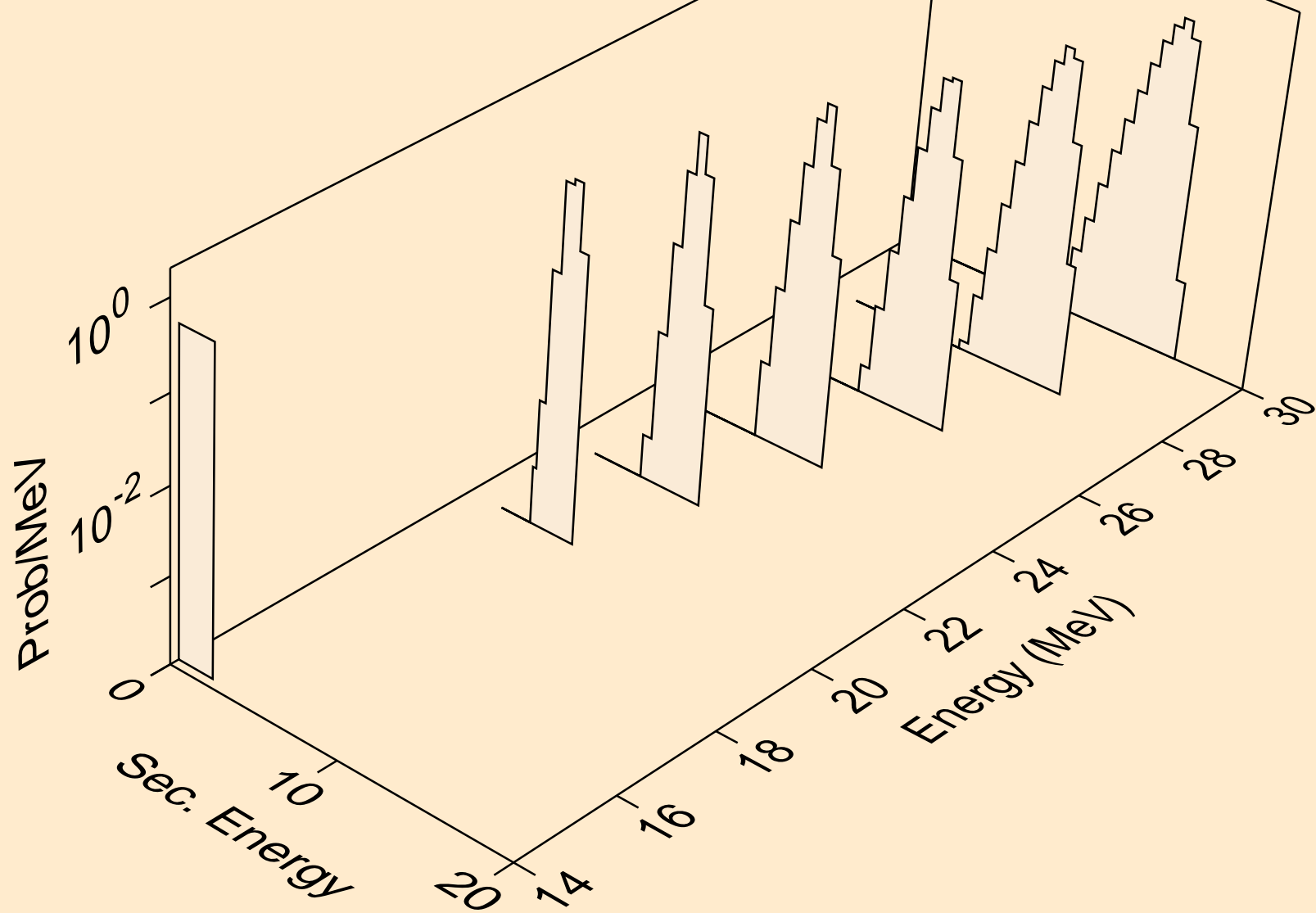
MD253 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
protons from (n,pd)



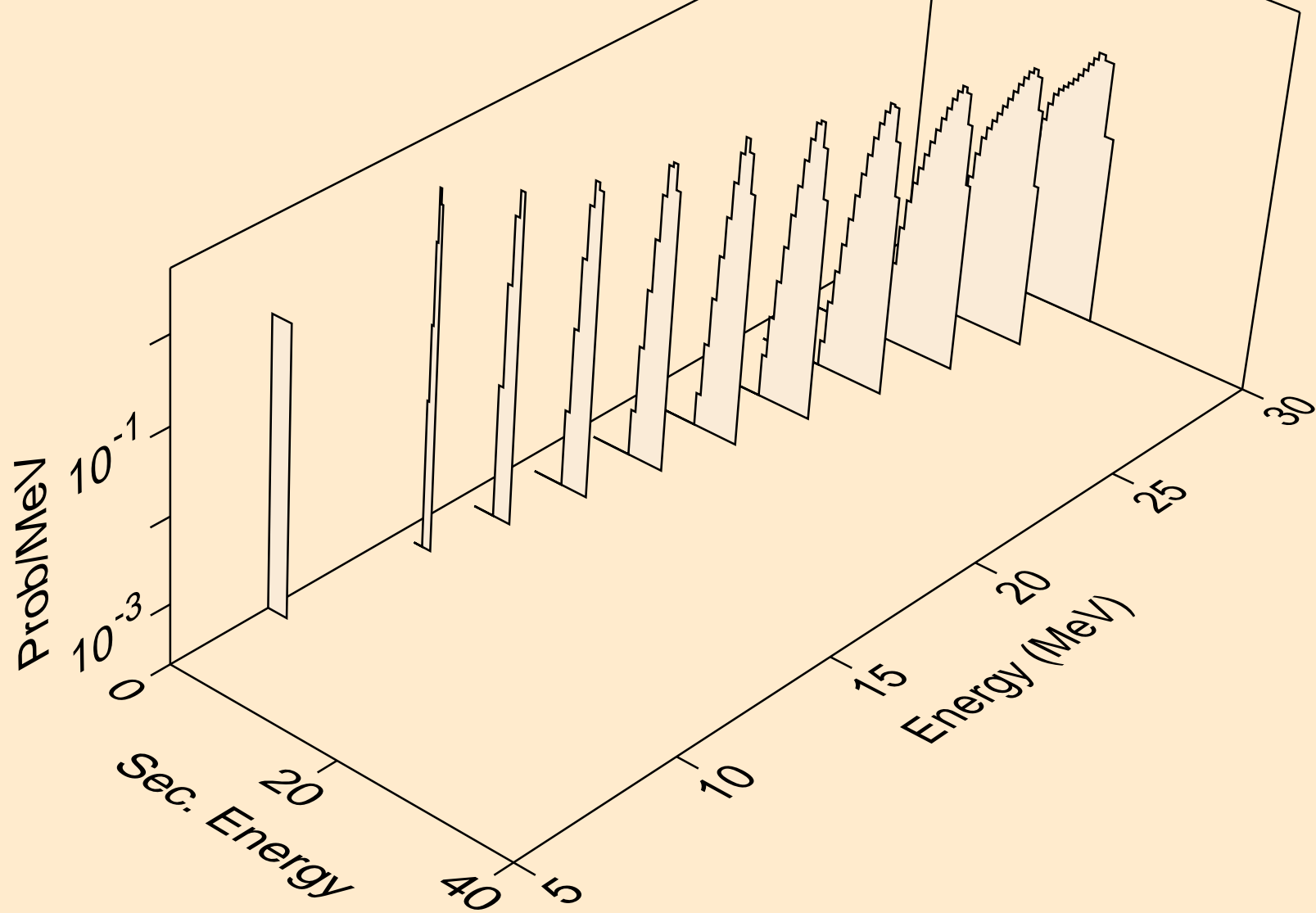
MD253 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
deuterons from (n,x)



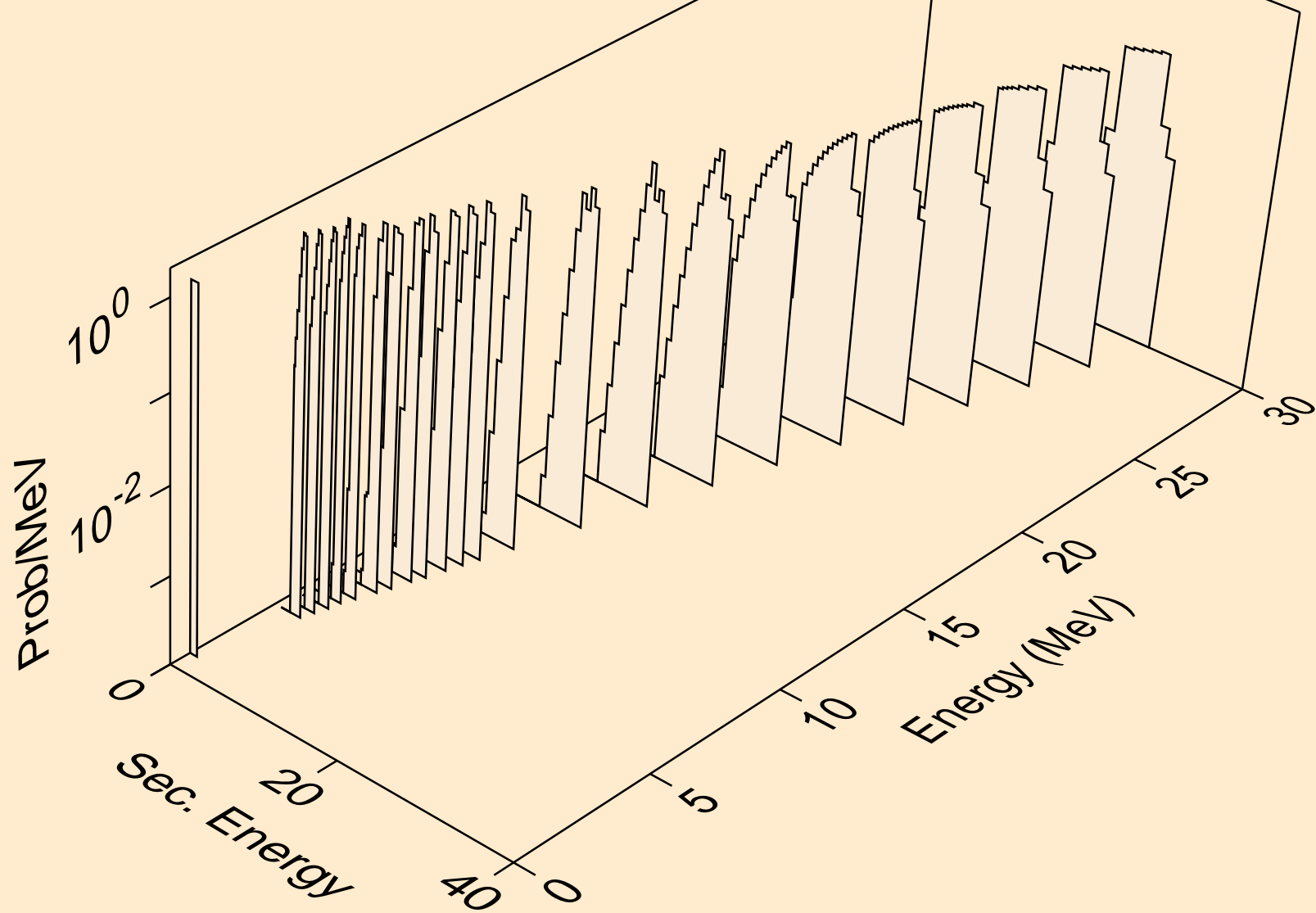
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deuterons from (n,2nd)



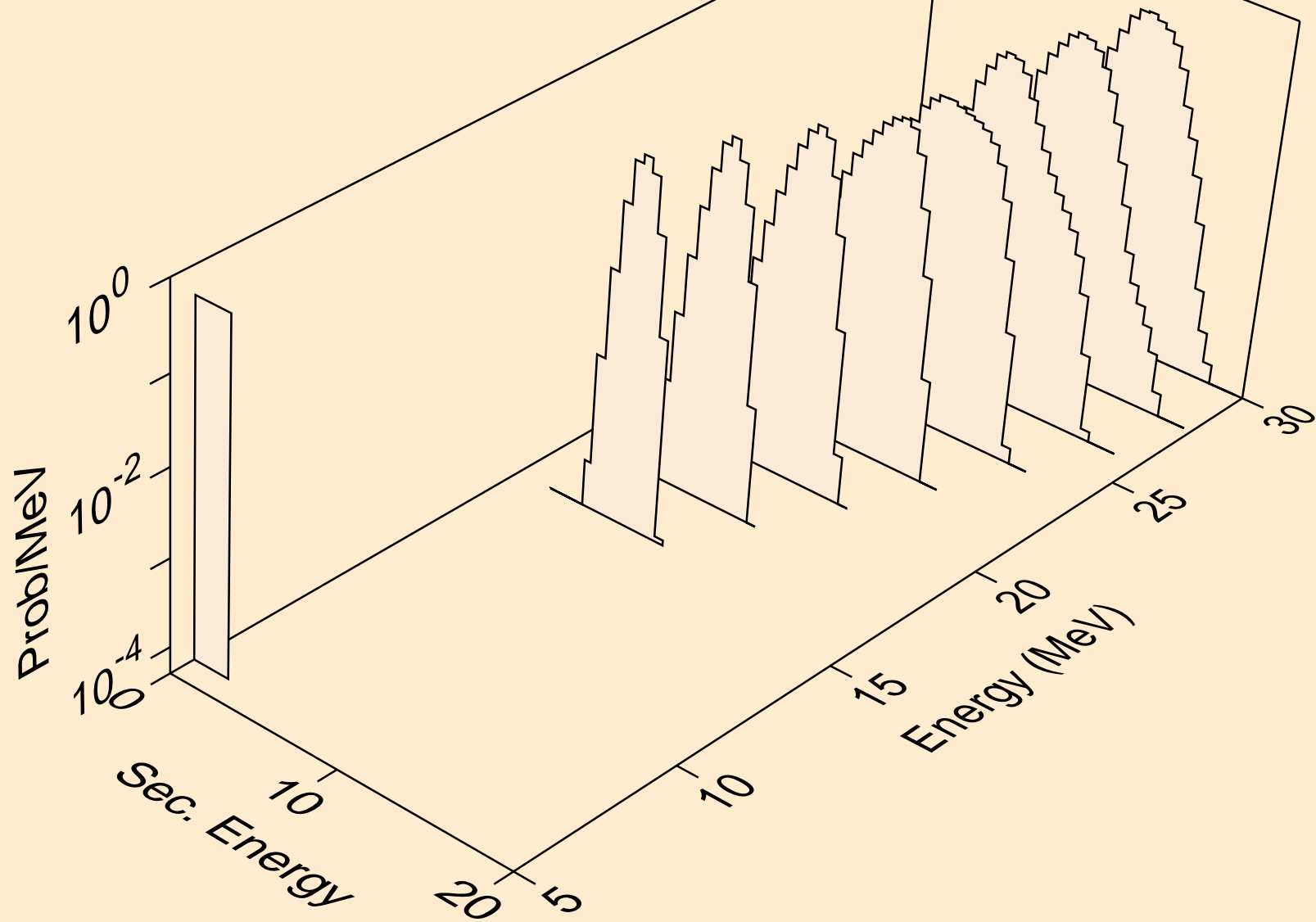
MD253 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
deuterons from (n,n\*)d



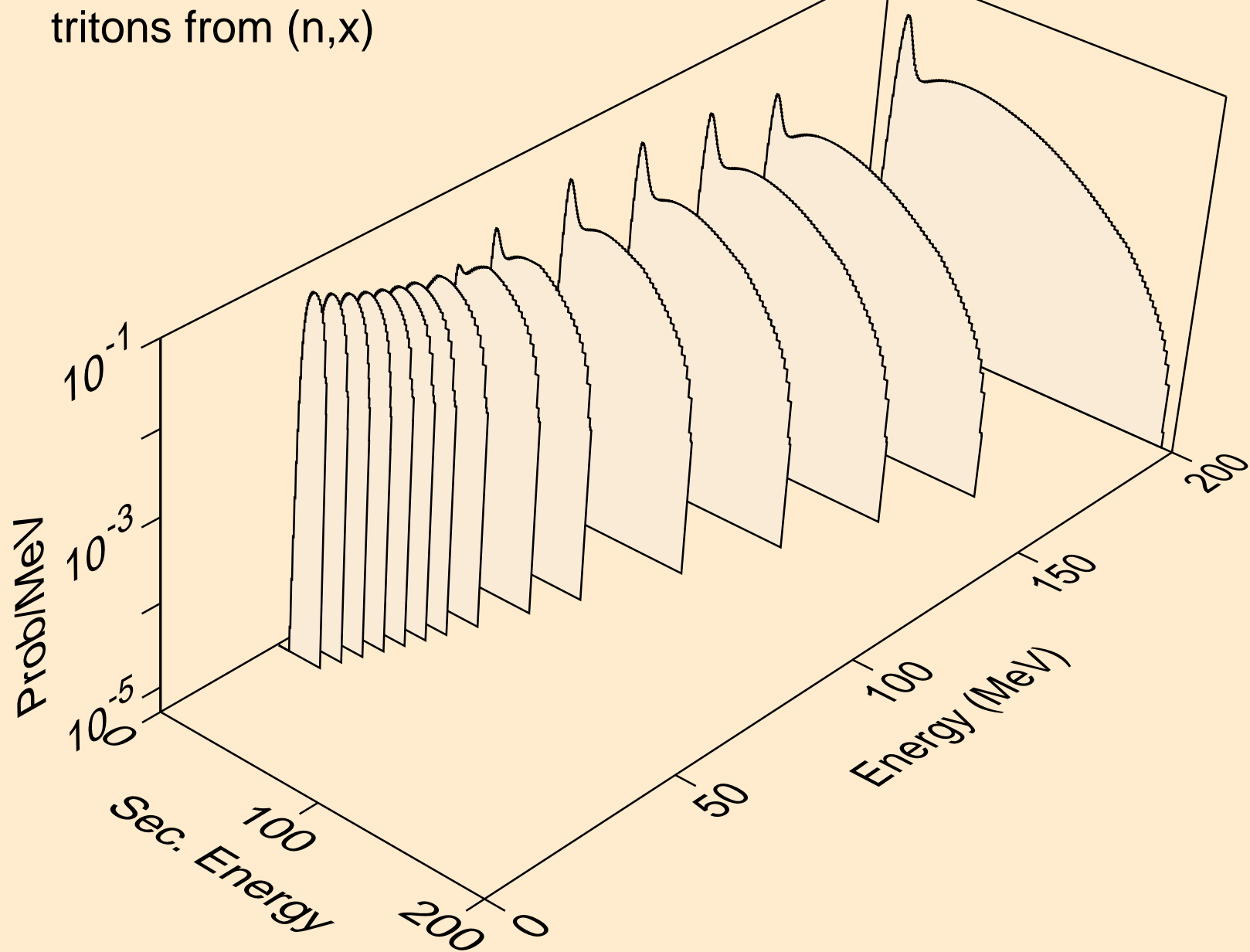
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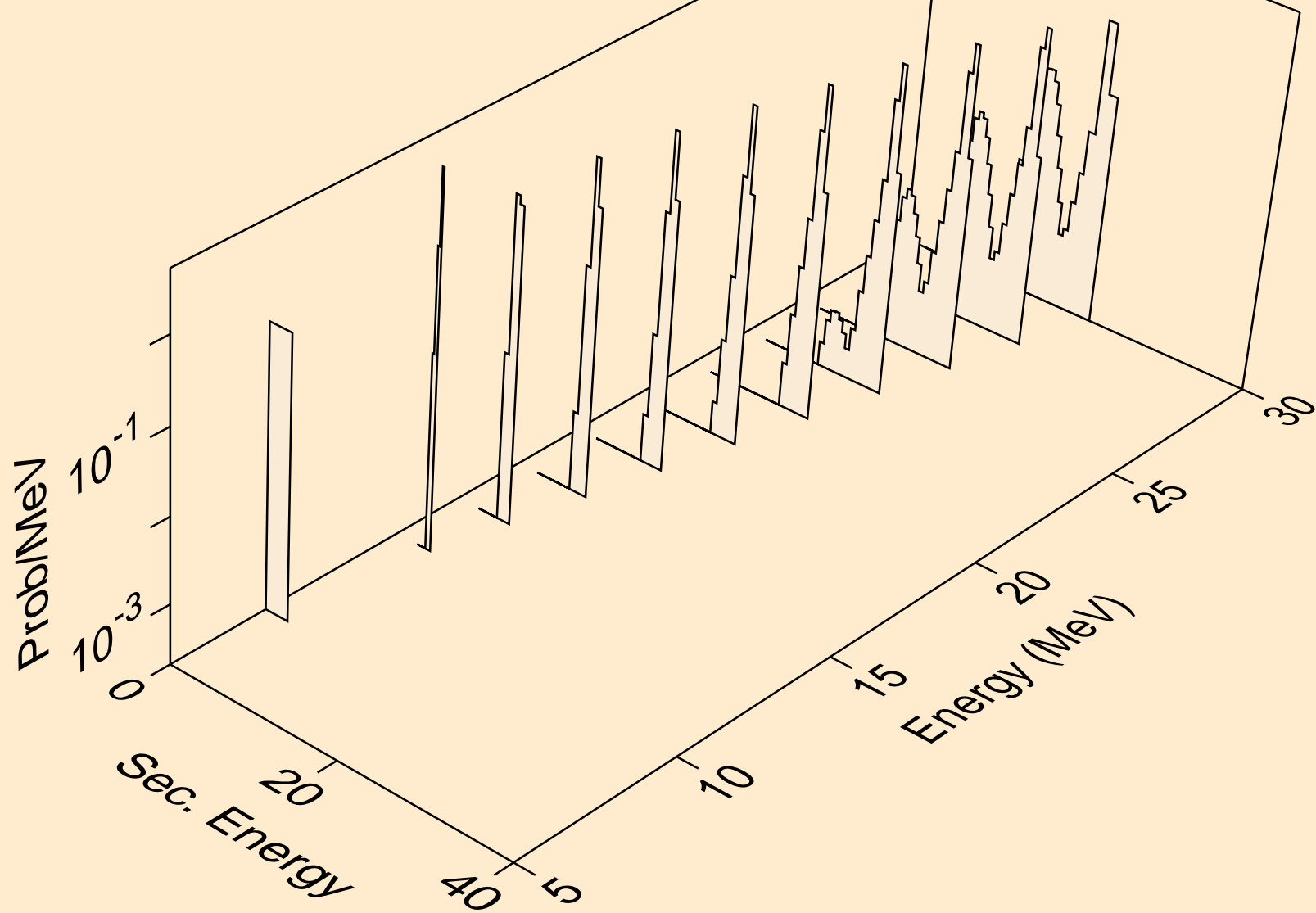
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deuterons from (n,pd)



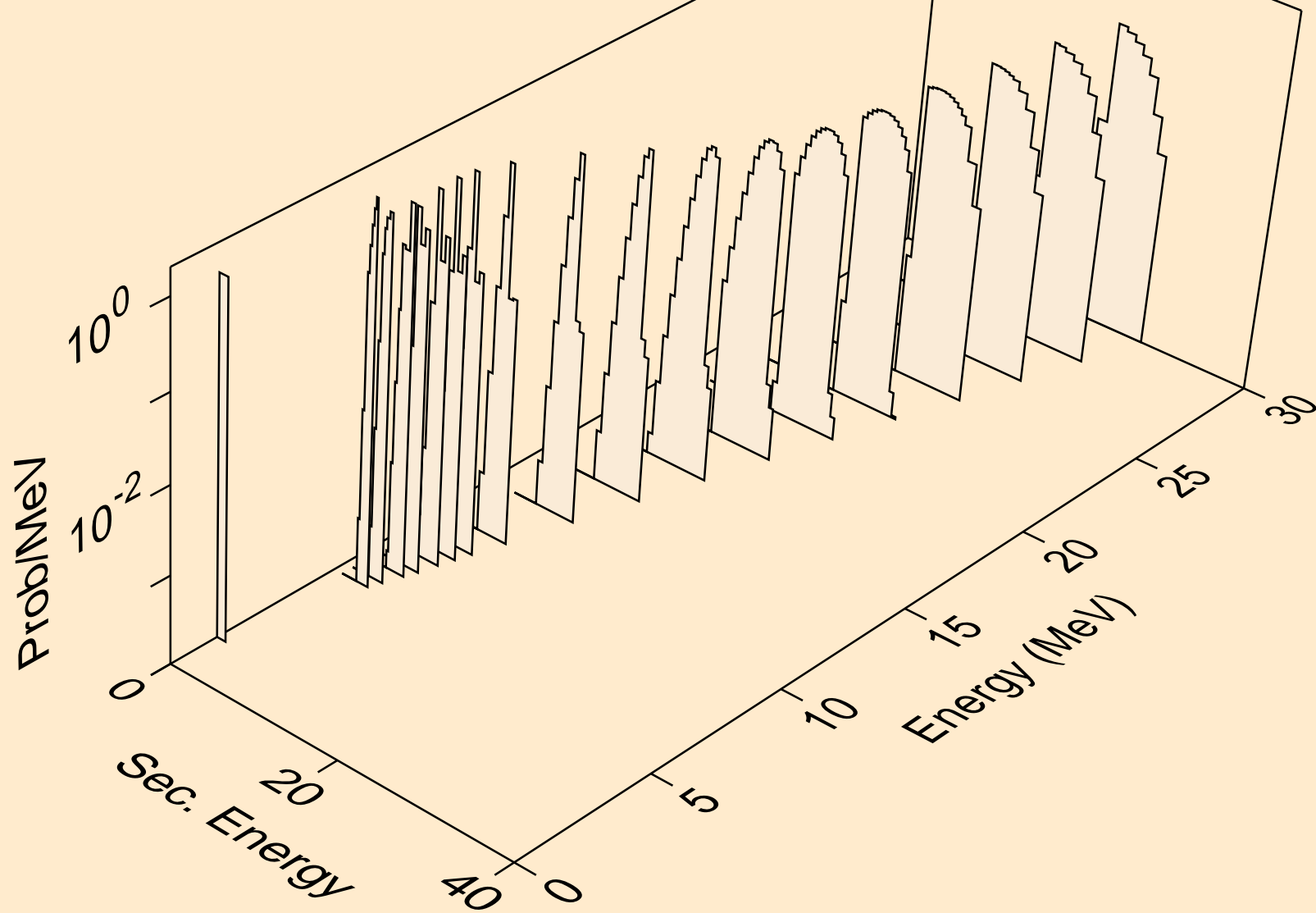
MD253 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
tritons from (n,x)



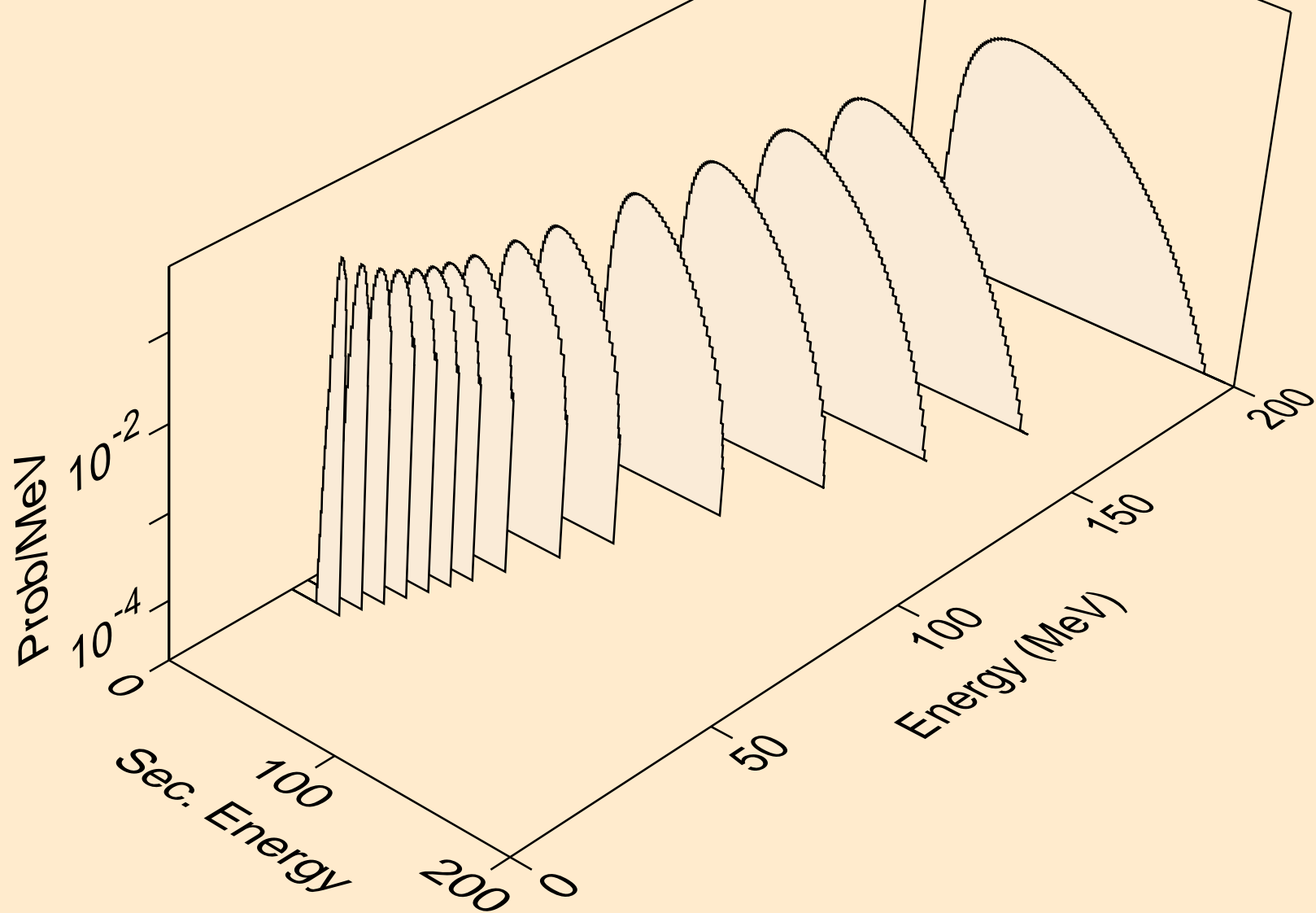
MD253 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
tritons from (n,n\*)t



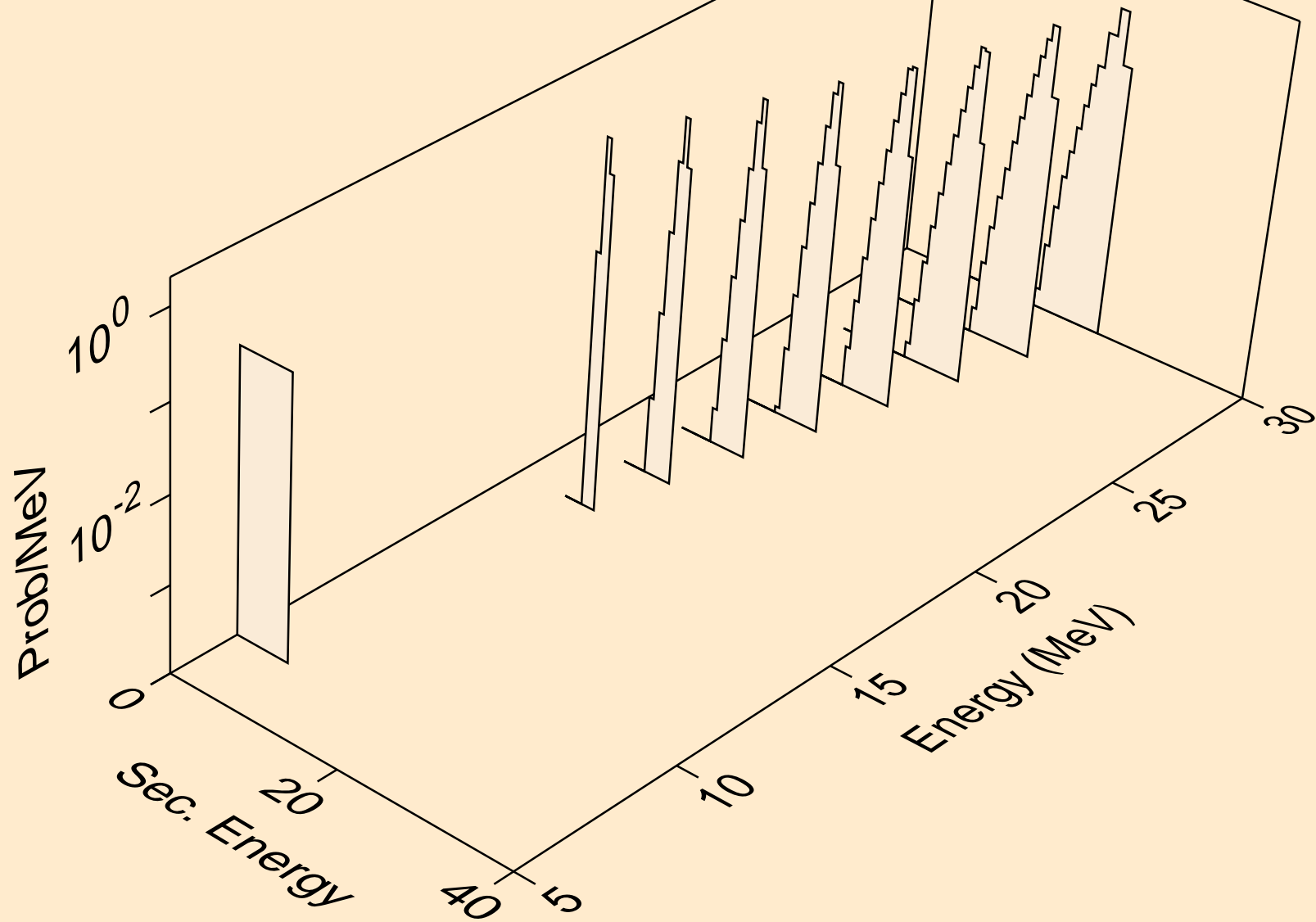
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tritons from (n,t)



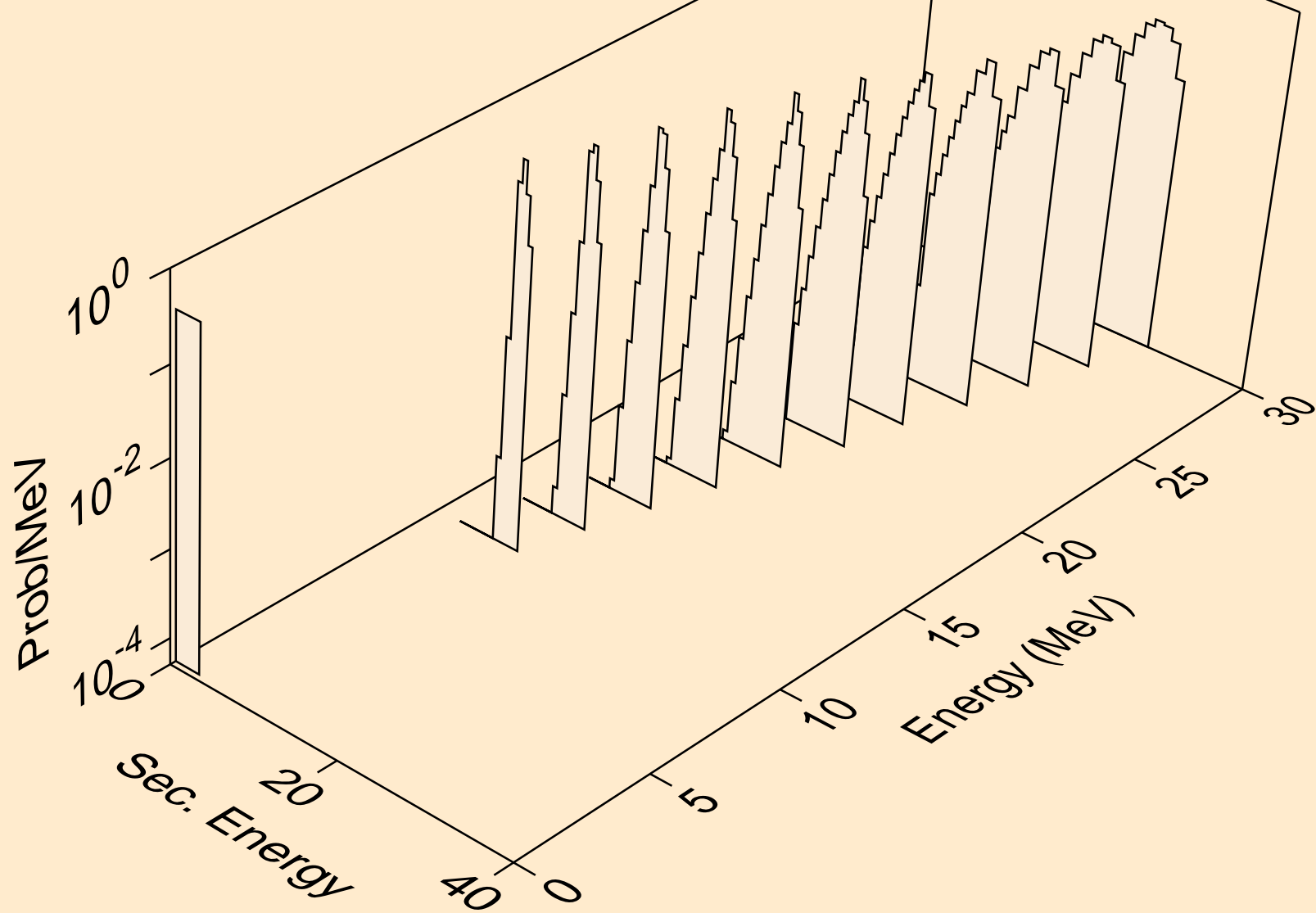
MD253 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
he3s from (n,x)



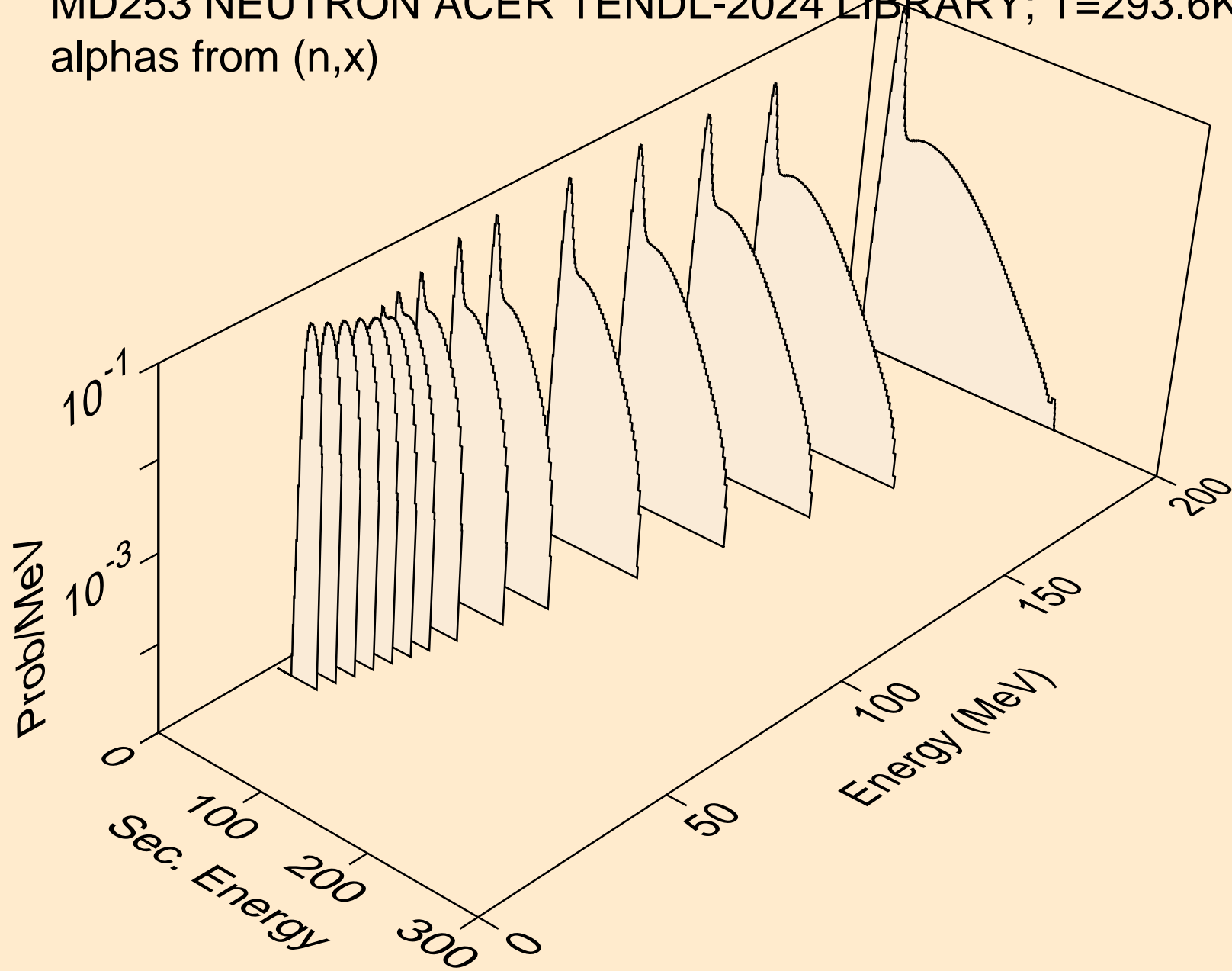
MD253 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
he3s from (n,n\*)he3



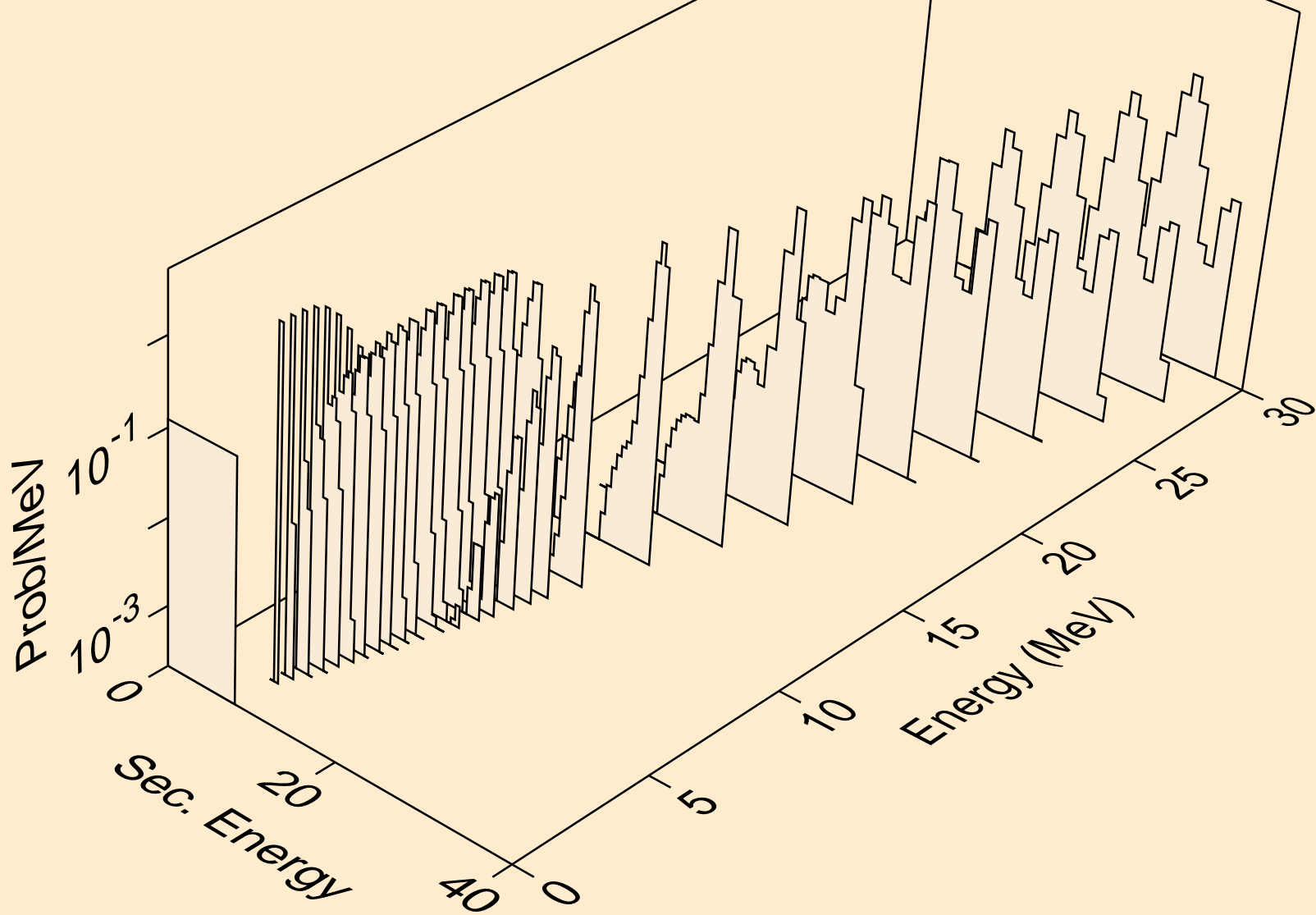
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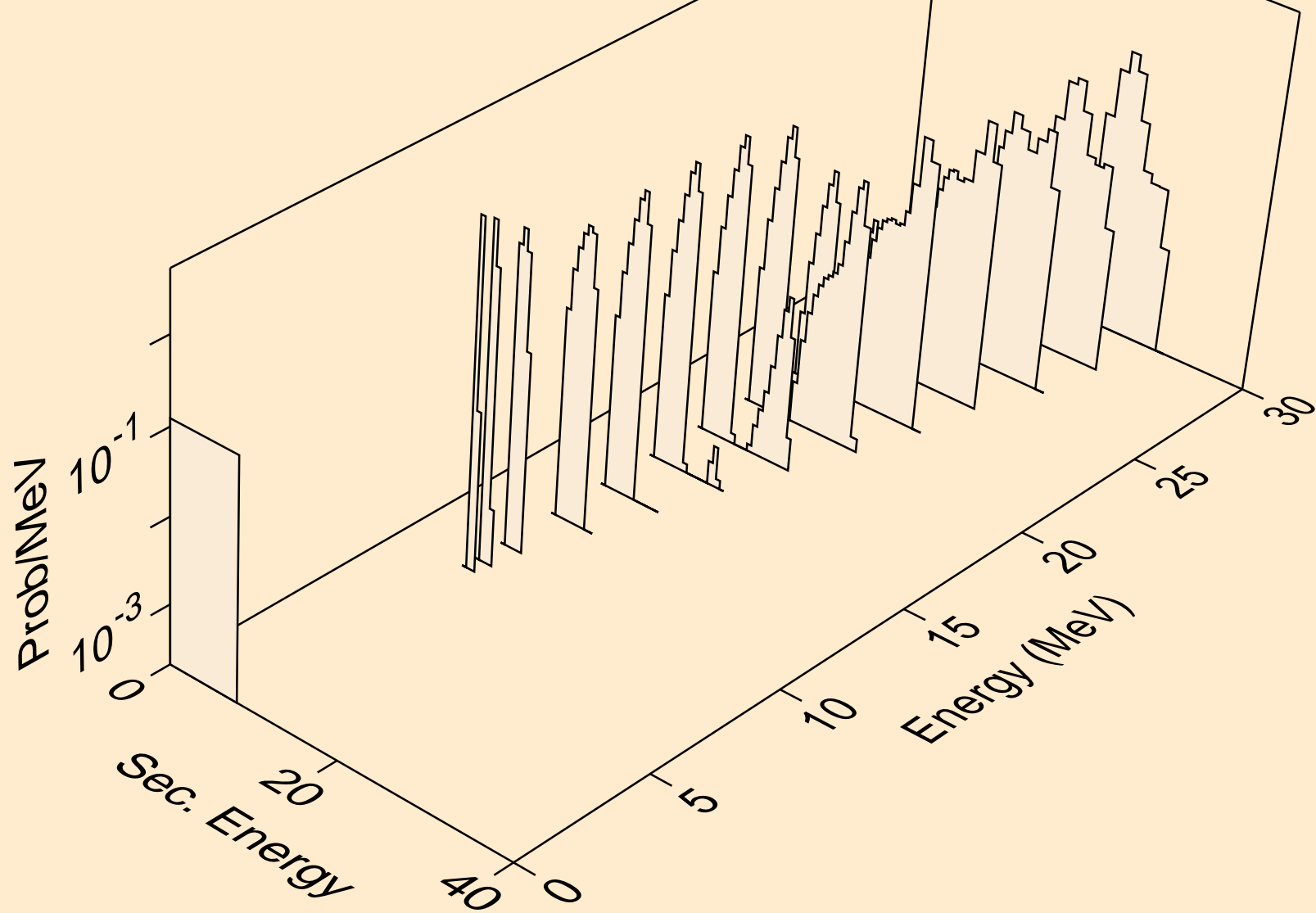
MD253 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,x)



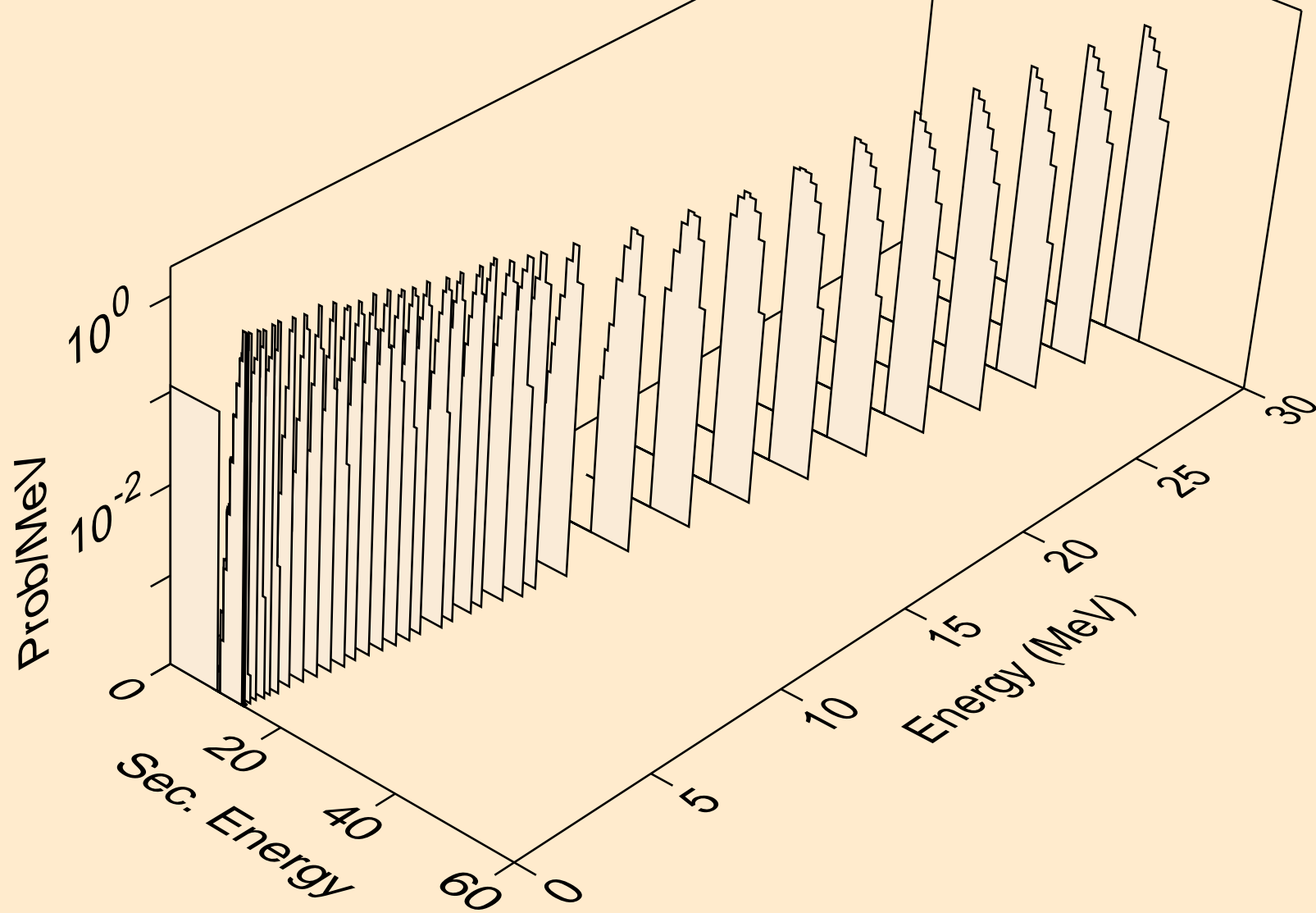
MD253 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,n\*)a



MD253 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,2n)a



MD253 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,a)



MD253 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,pa)

