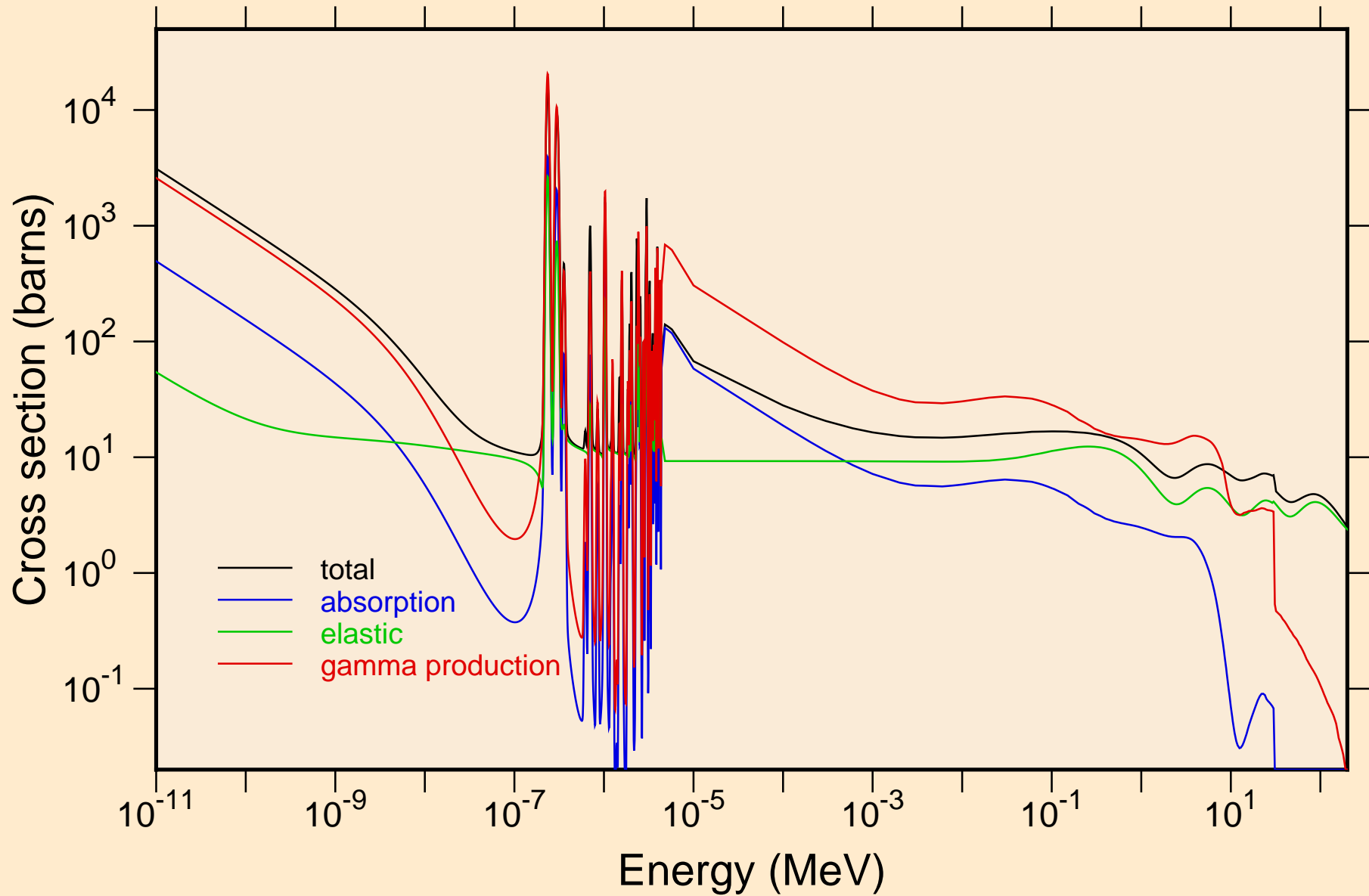
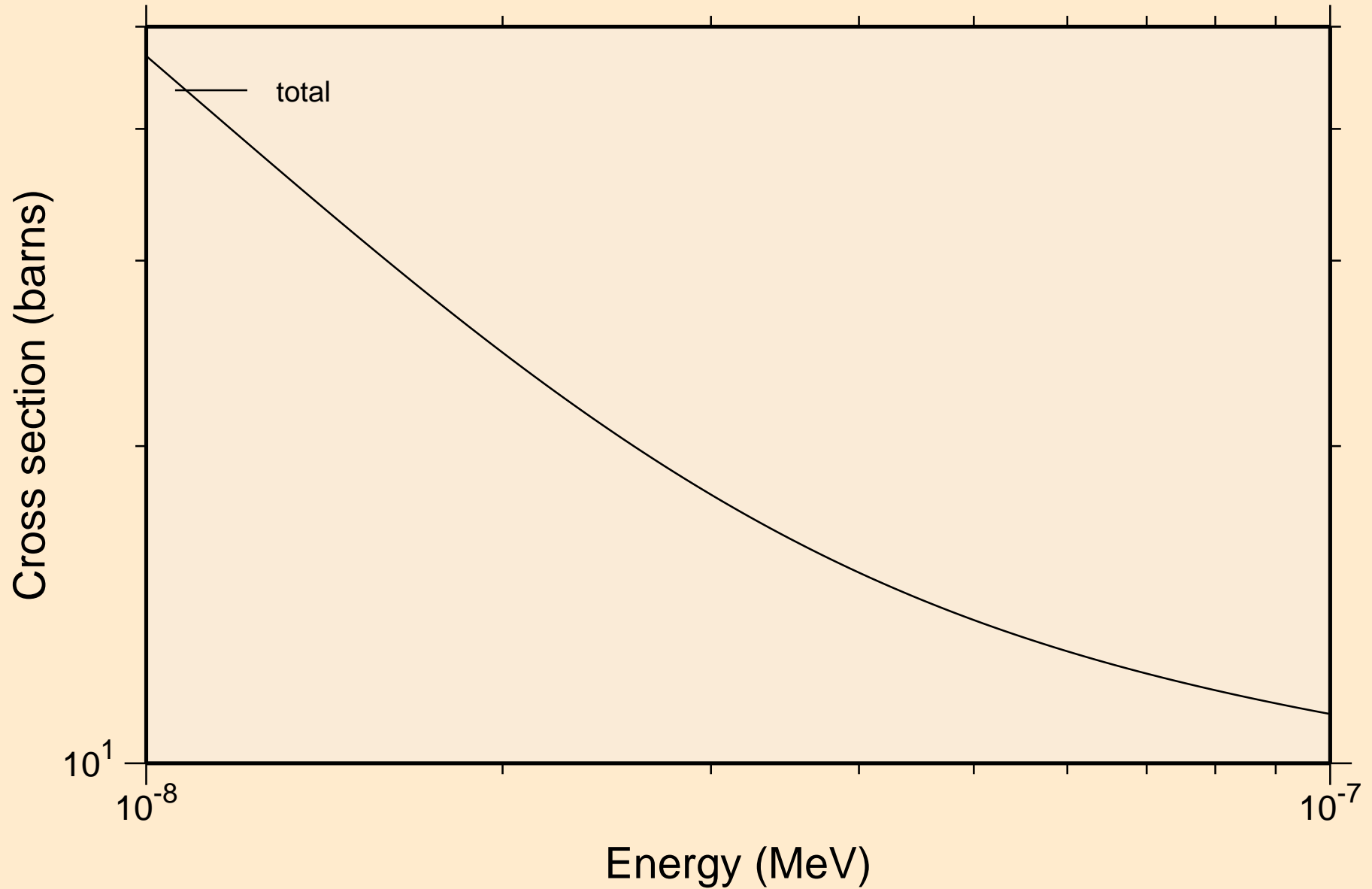


# ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

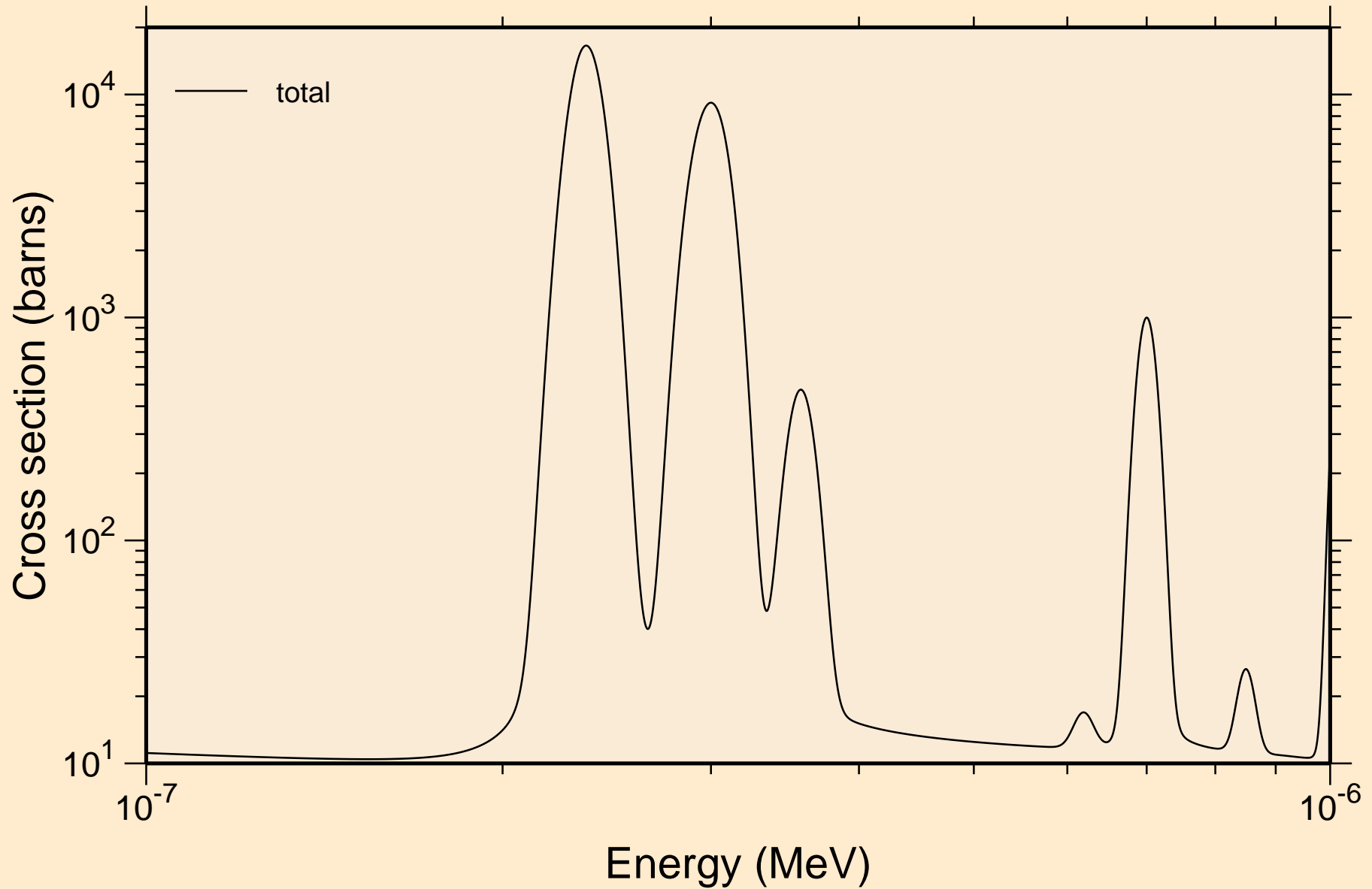
## Principal cross sections



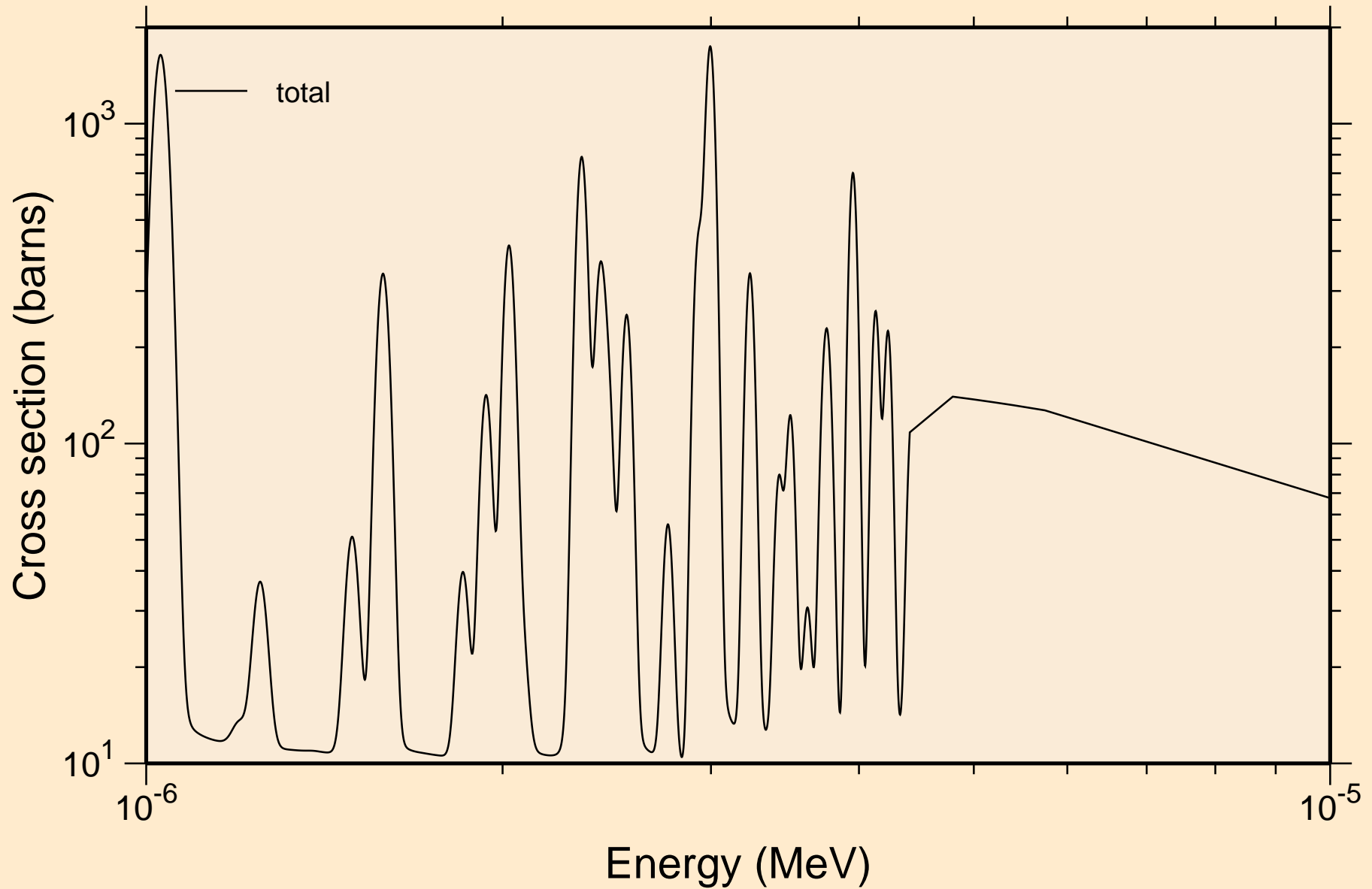
ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



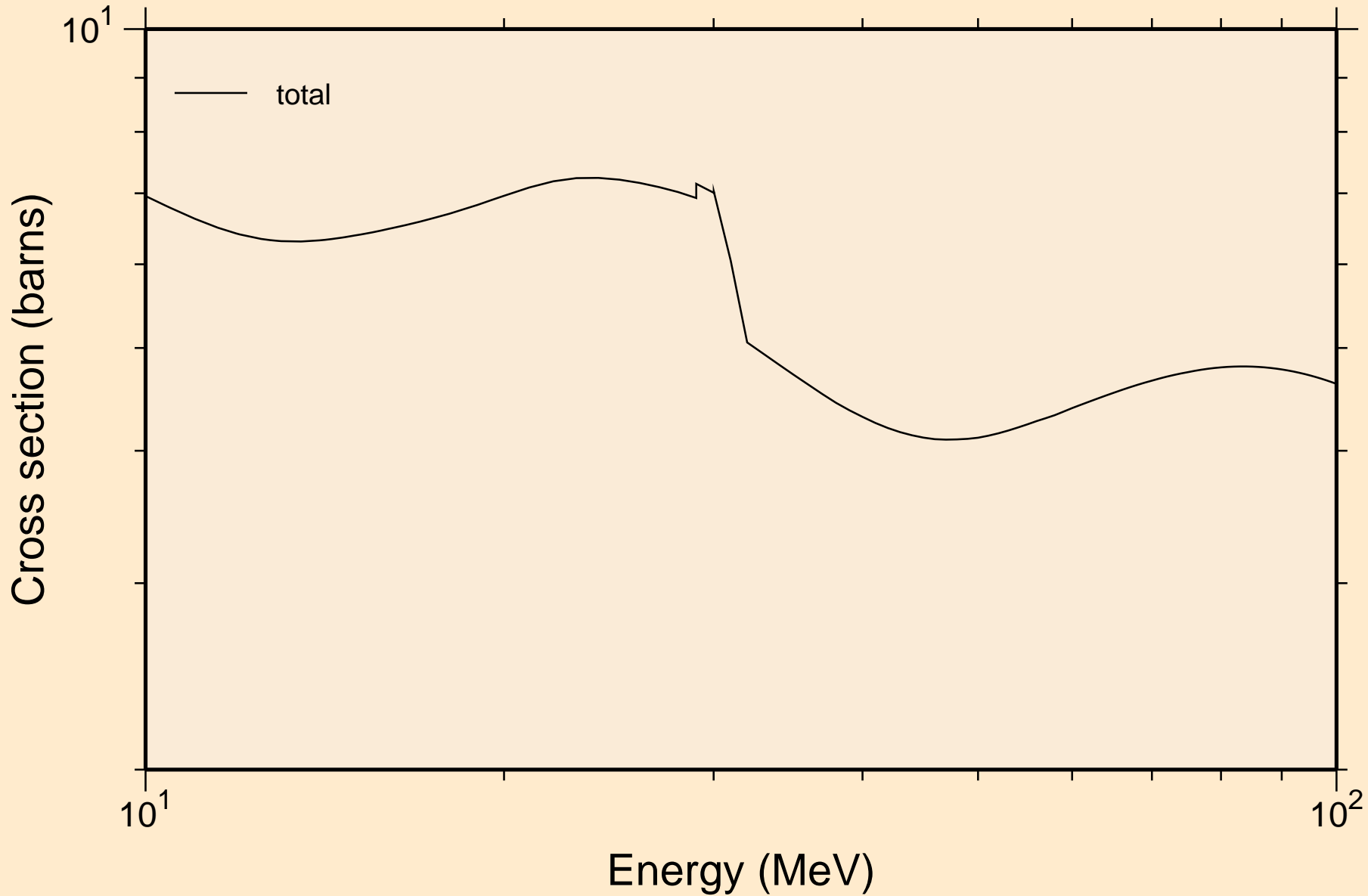
ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



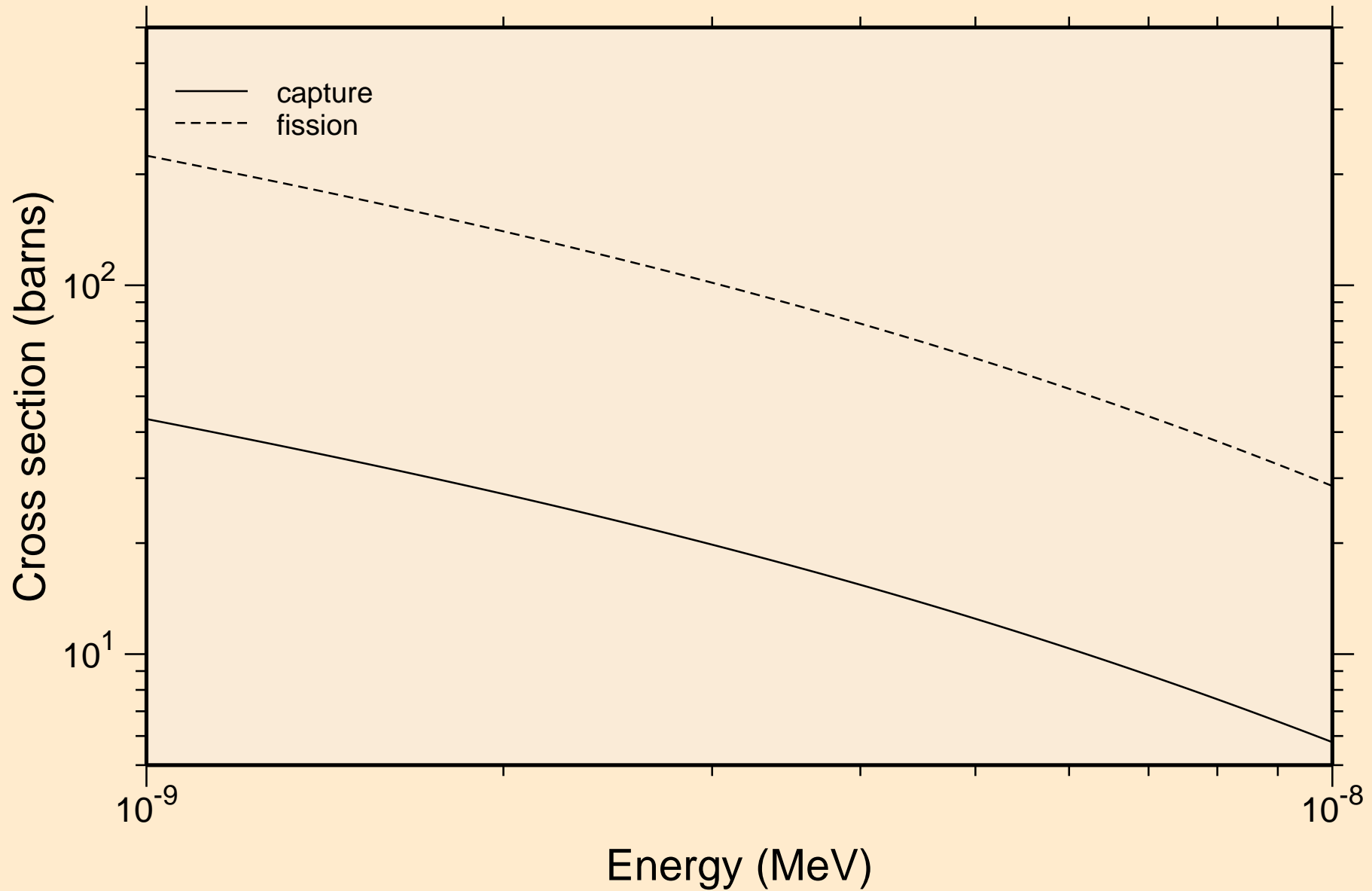
ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



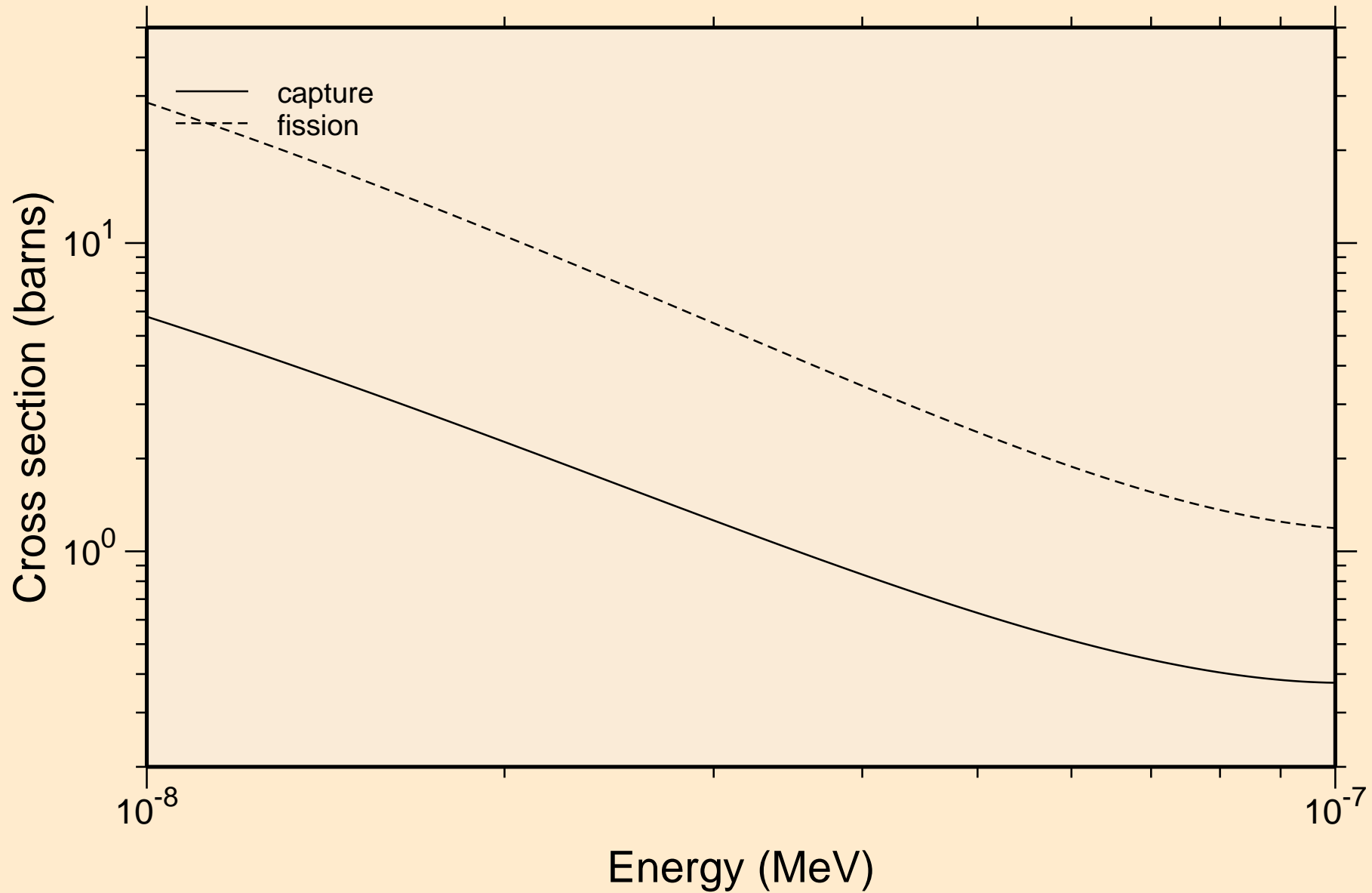
ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



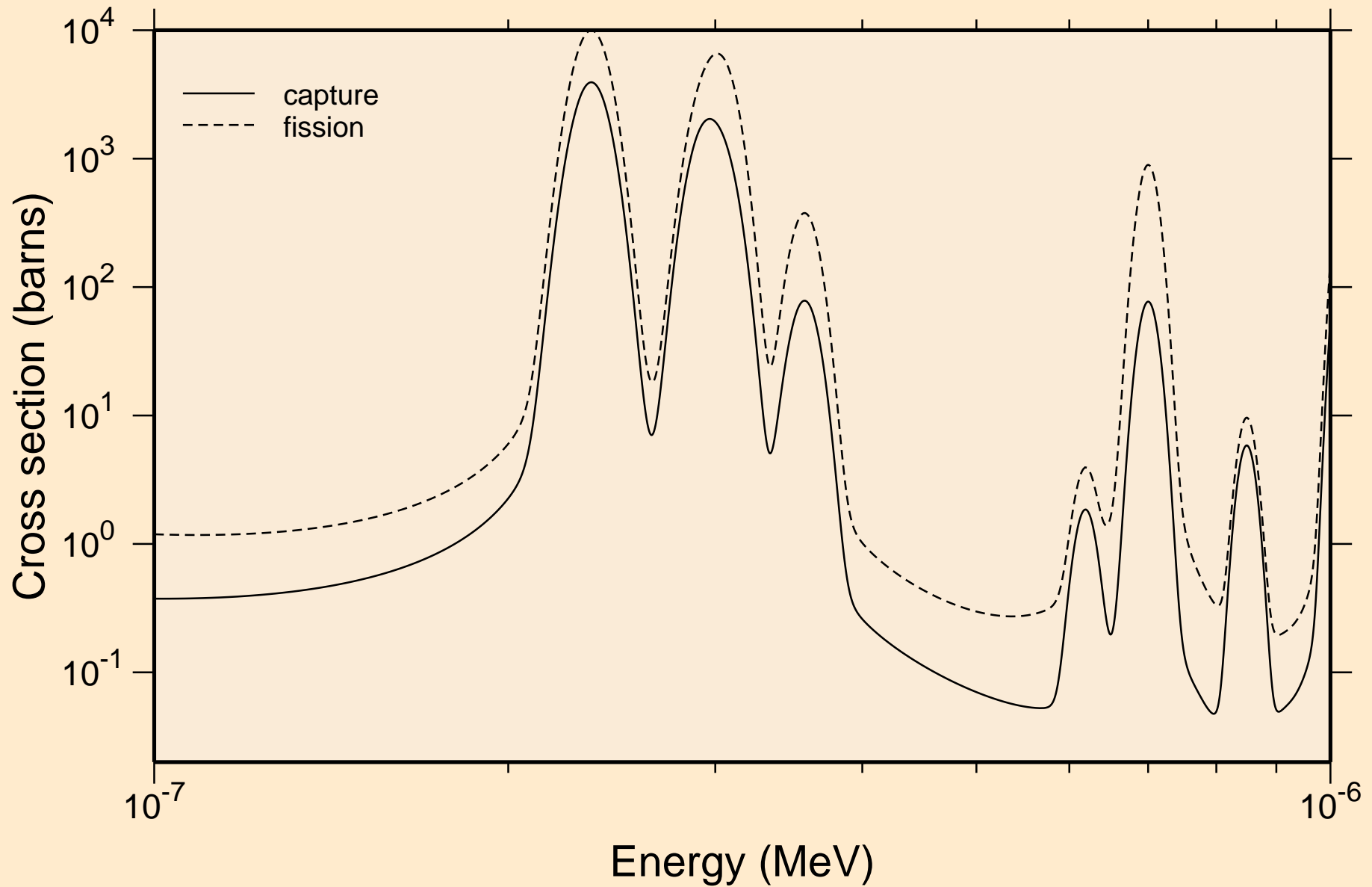
ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



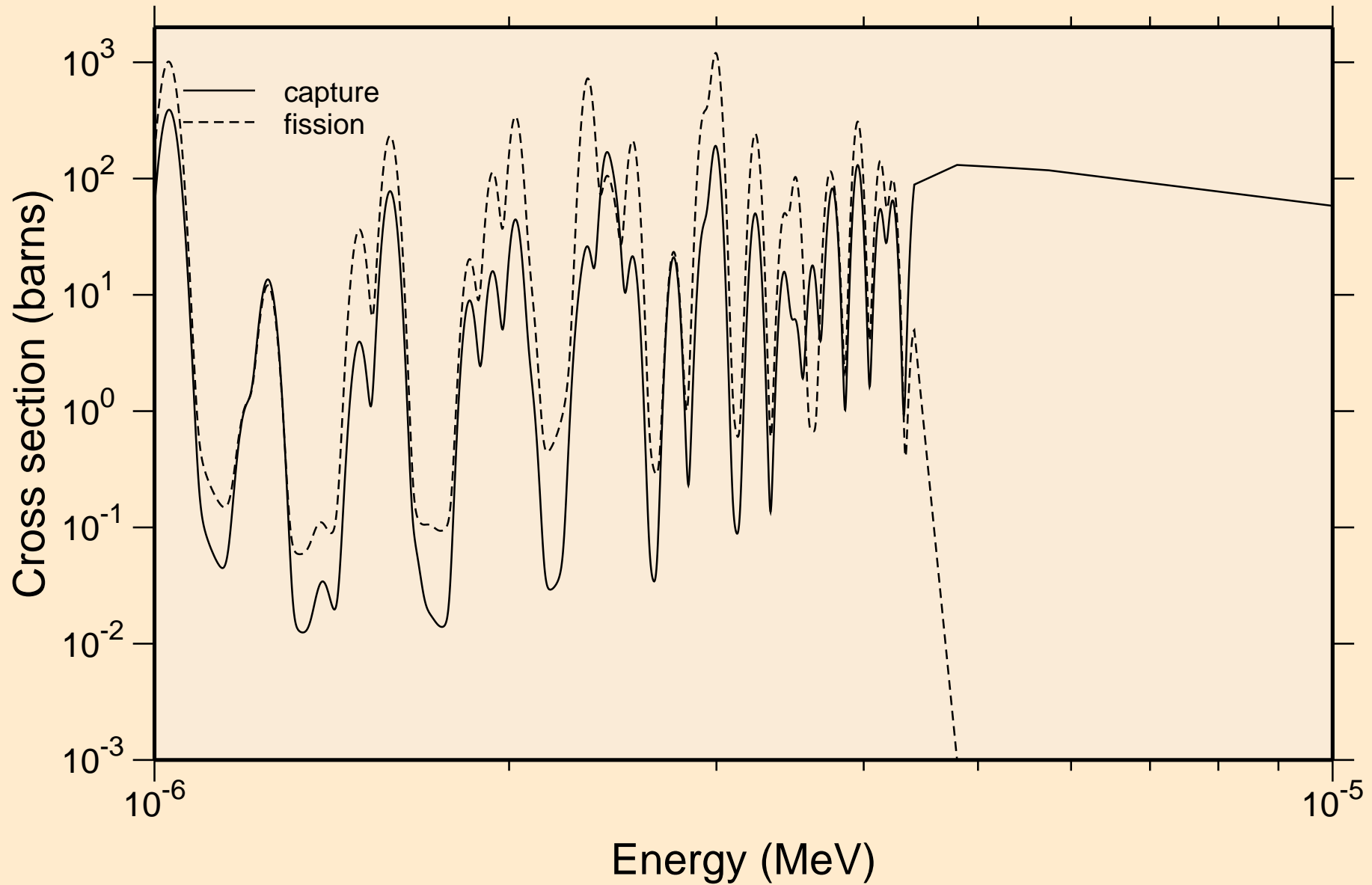
ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



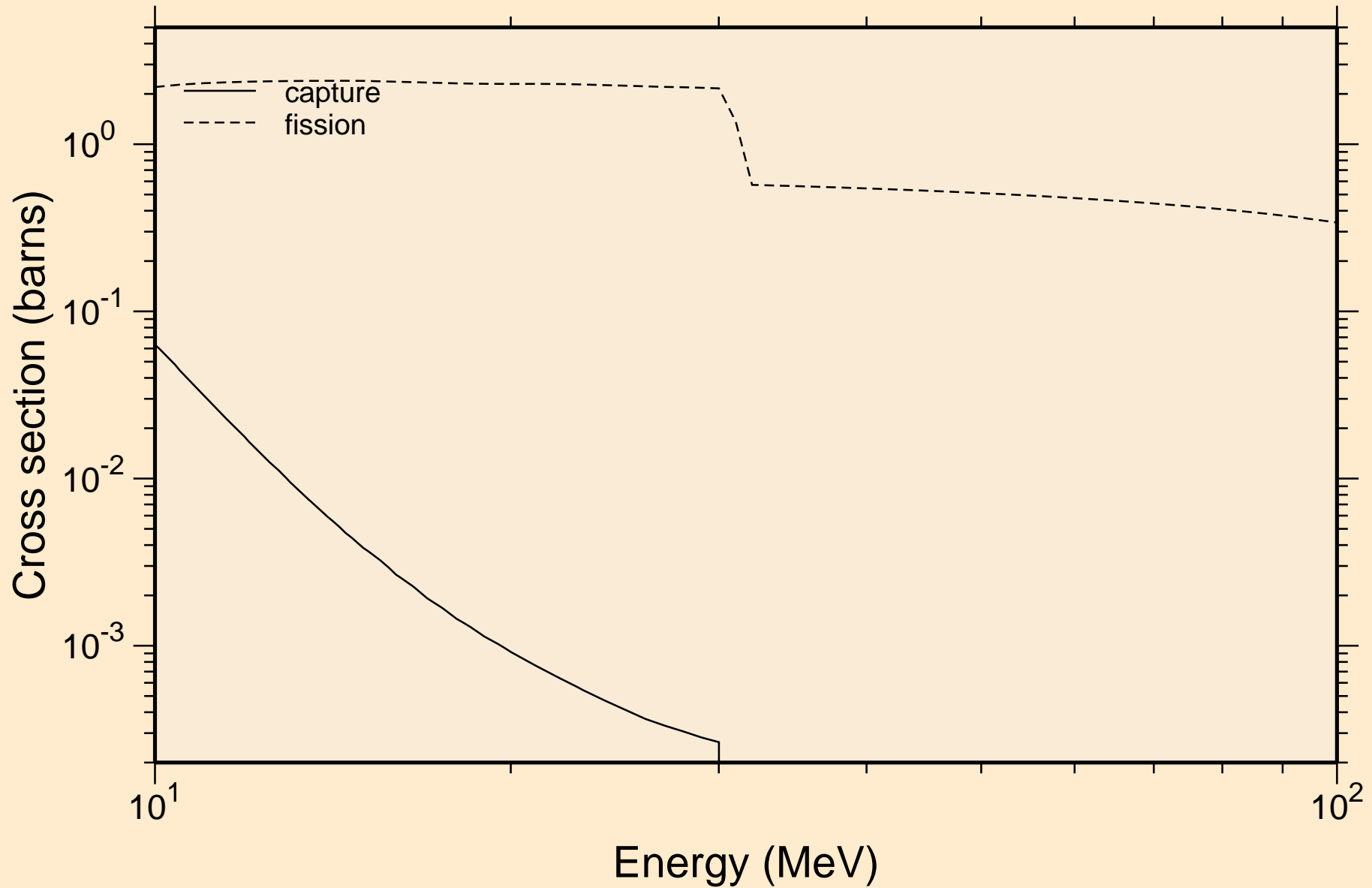


# ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

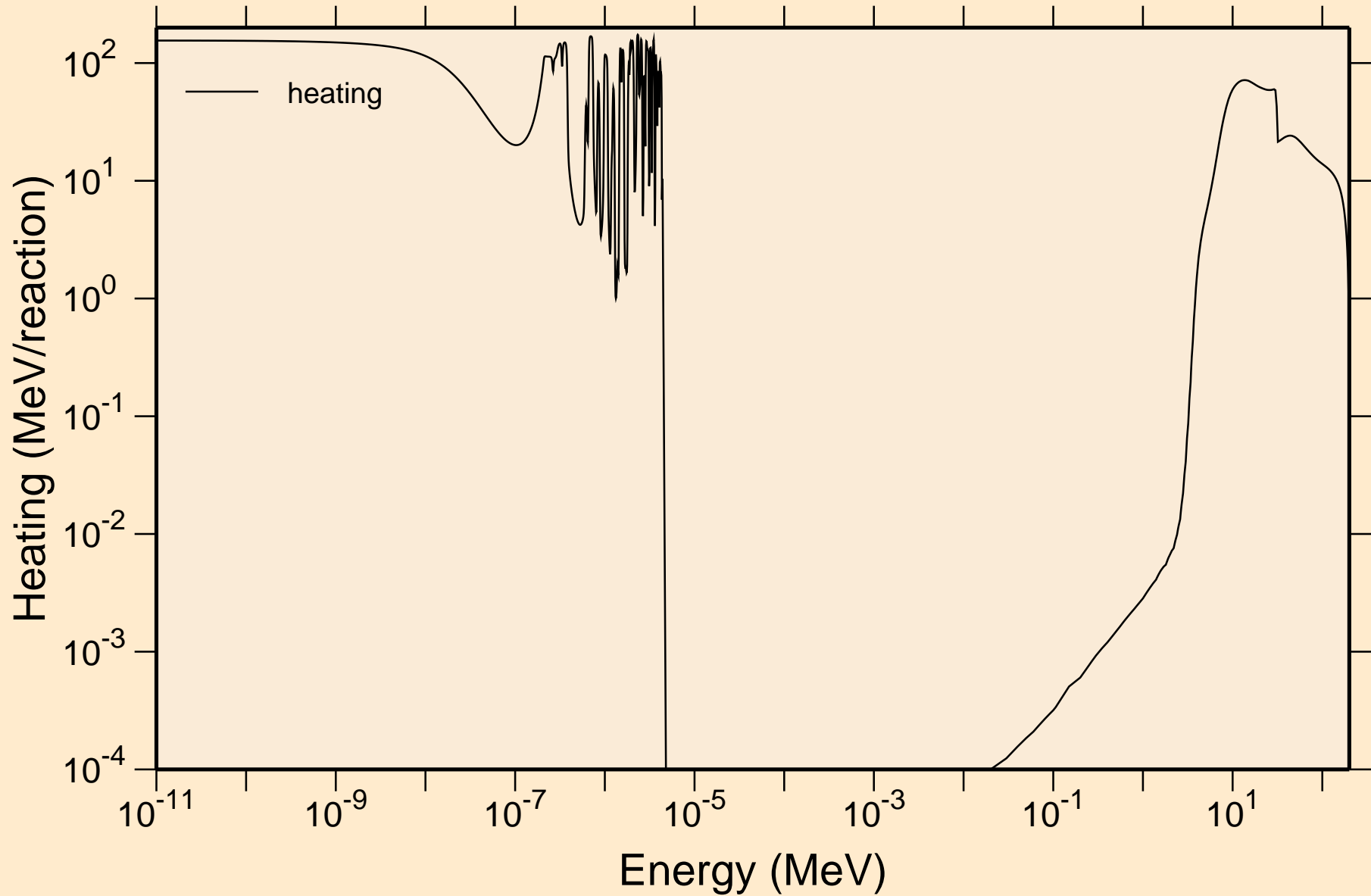
## resonance absorption cross sections



ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections

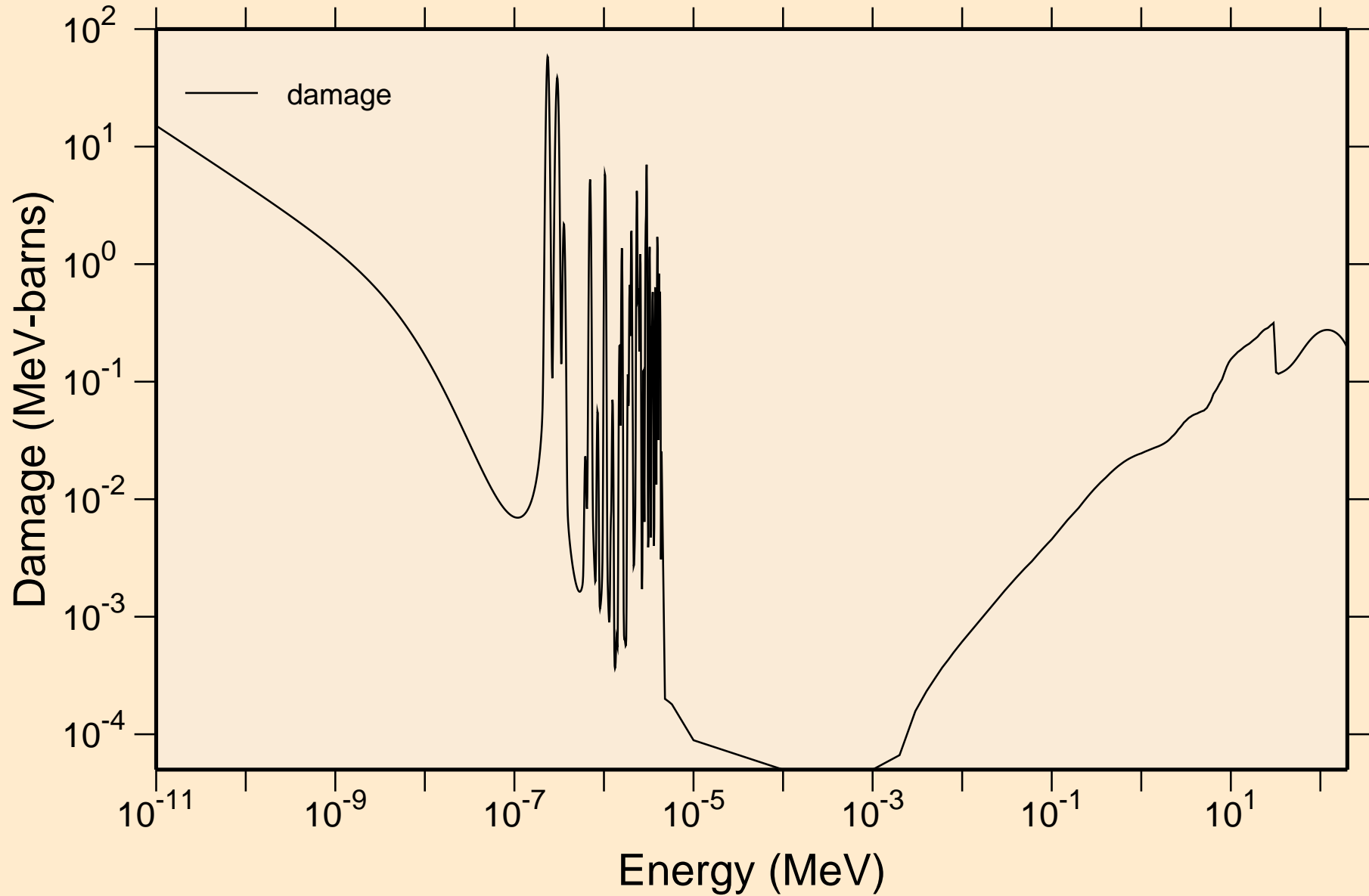


ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Heating



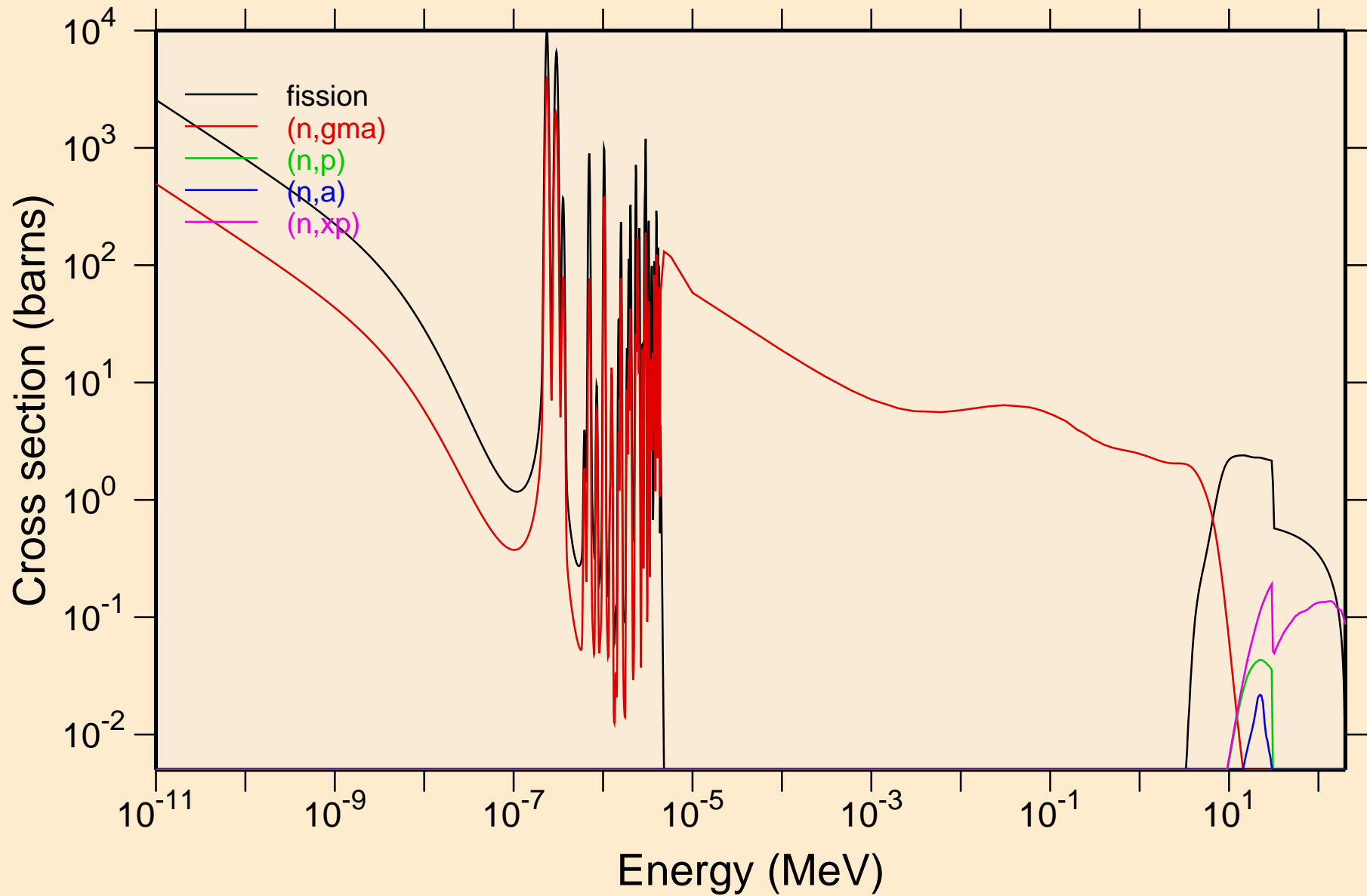
# ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Damage

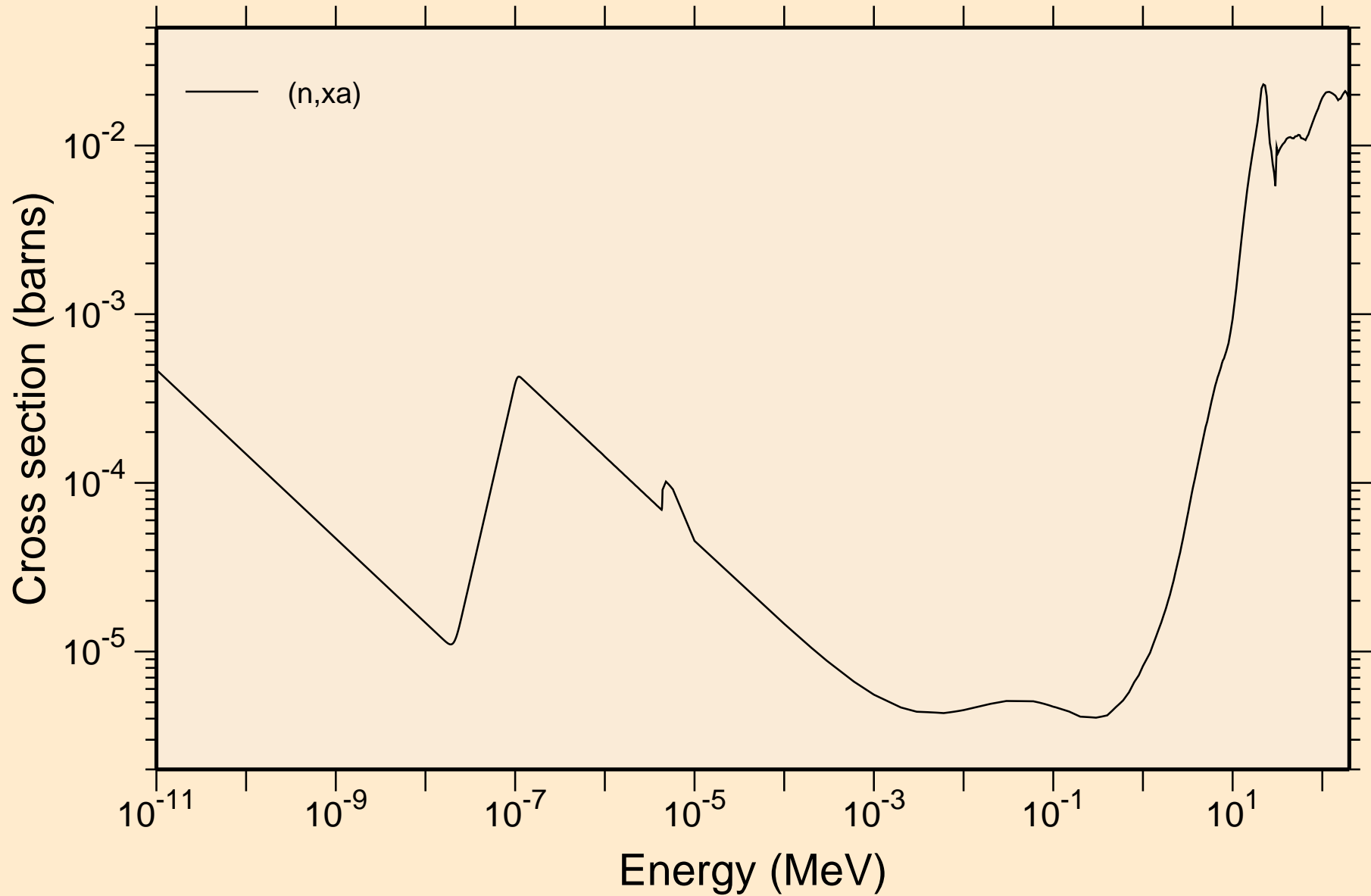


# ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Non-threshold reactions

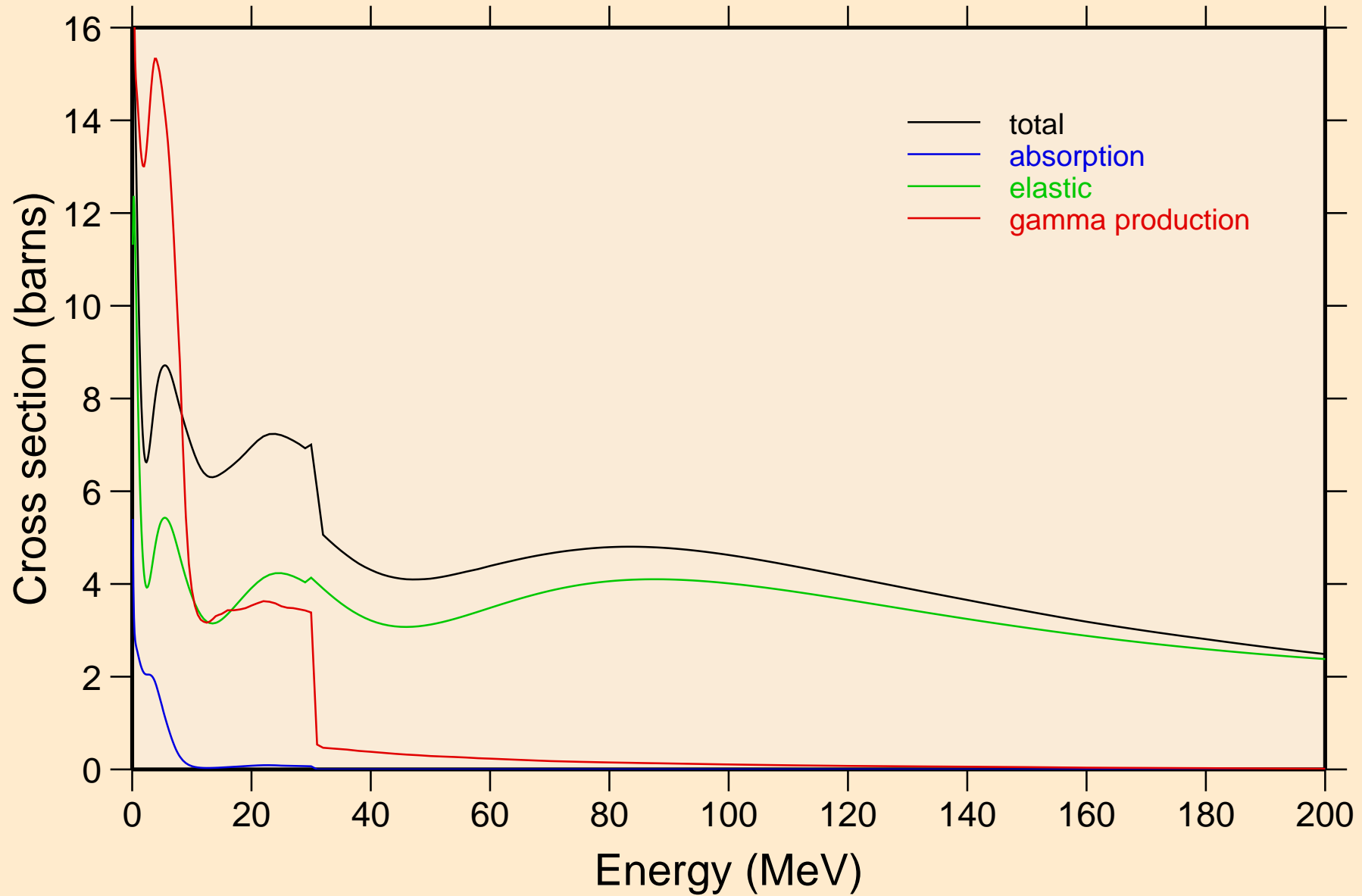


ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions



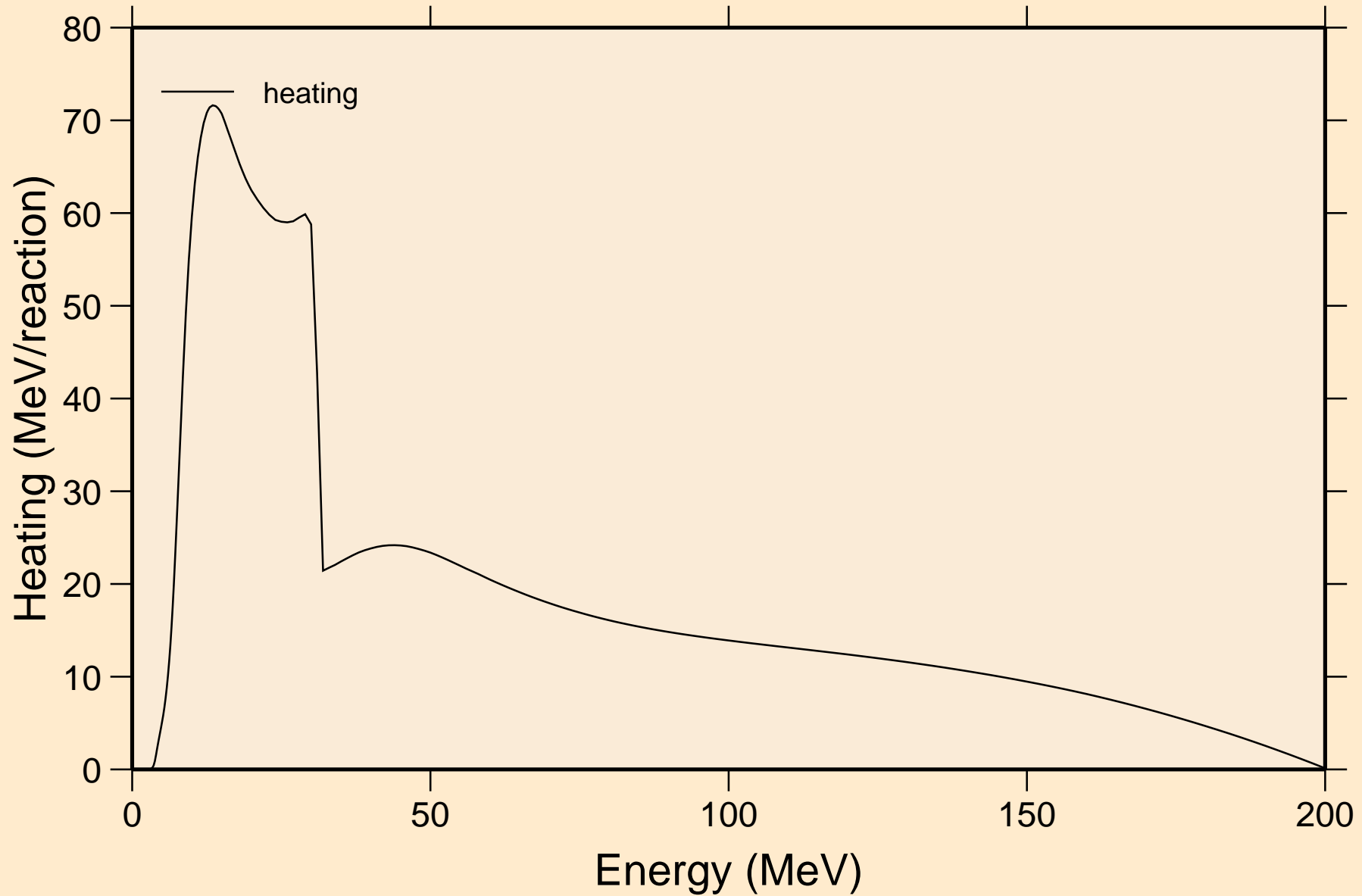
# ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Principal cross sections



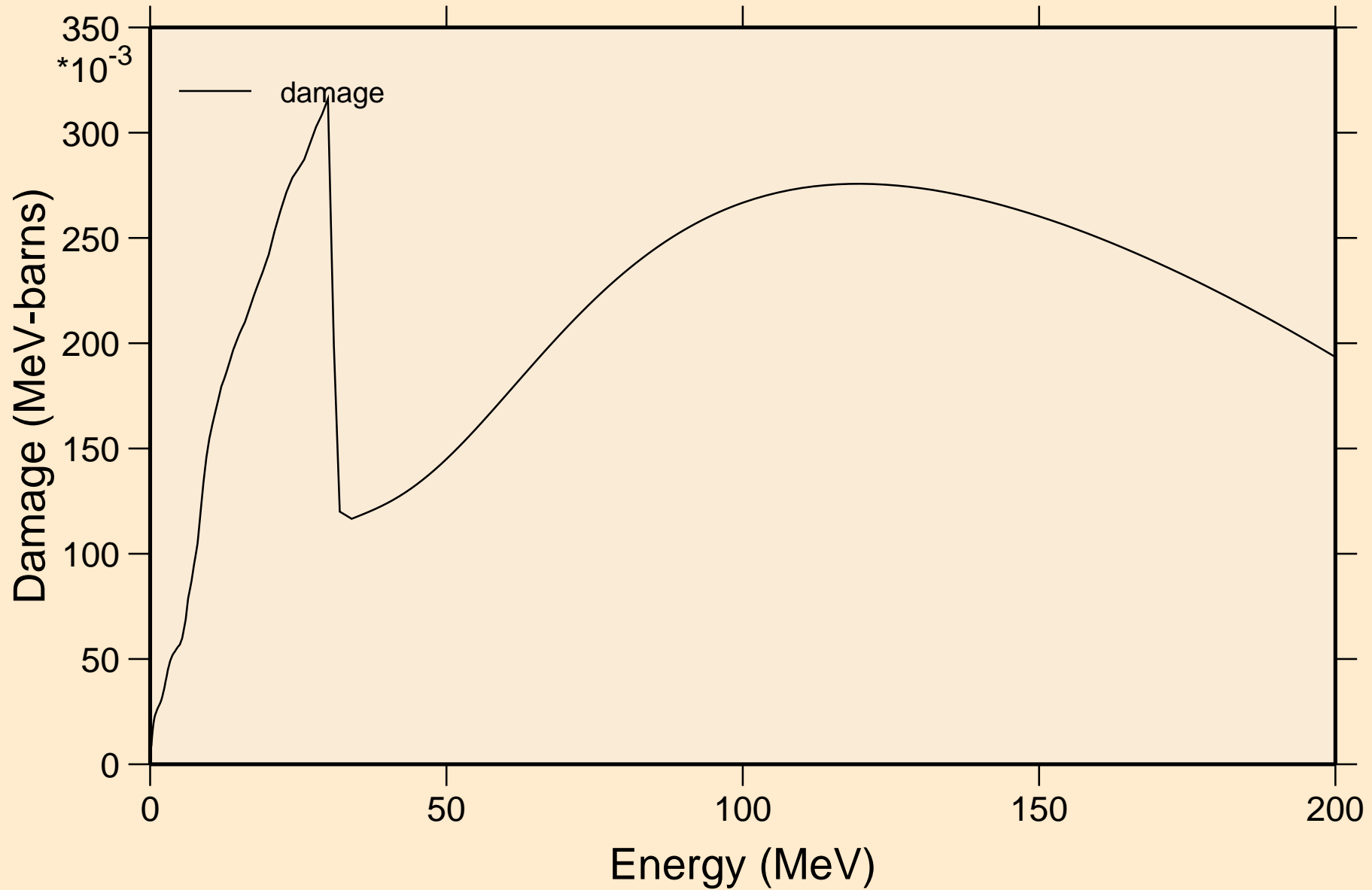
# ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Heating



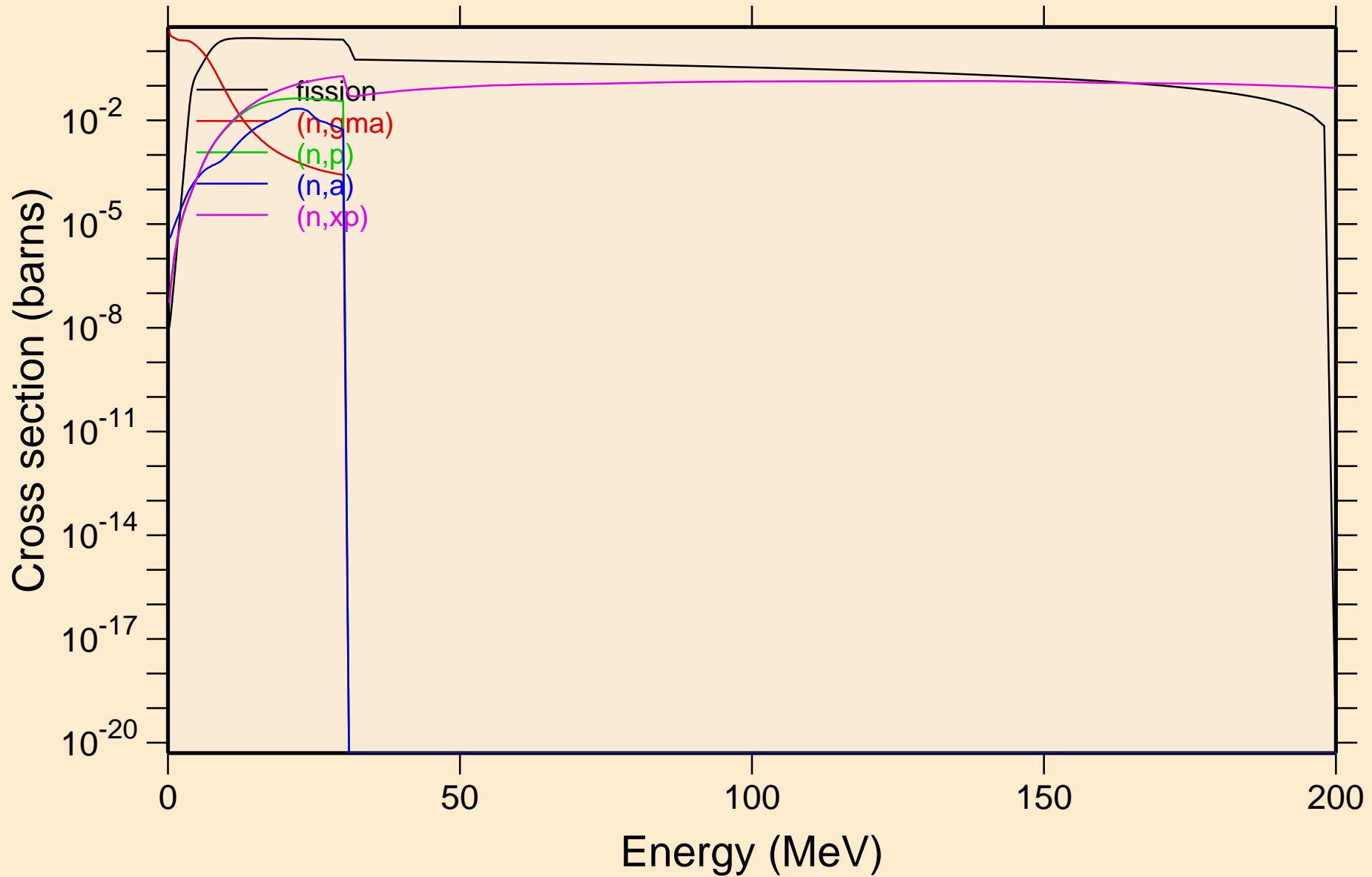


ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Damage

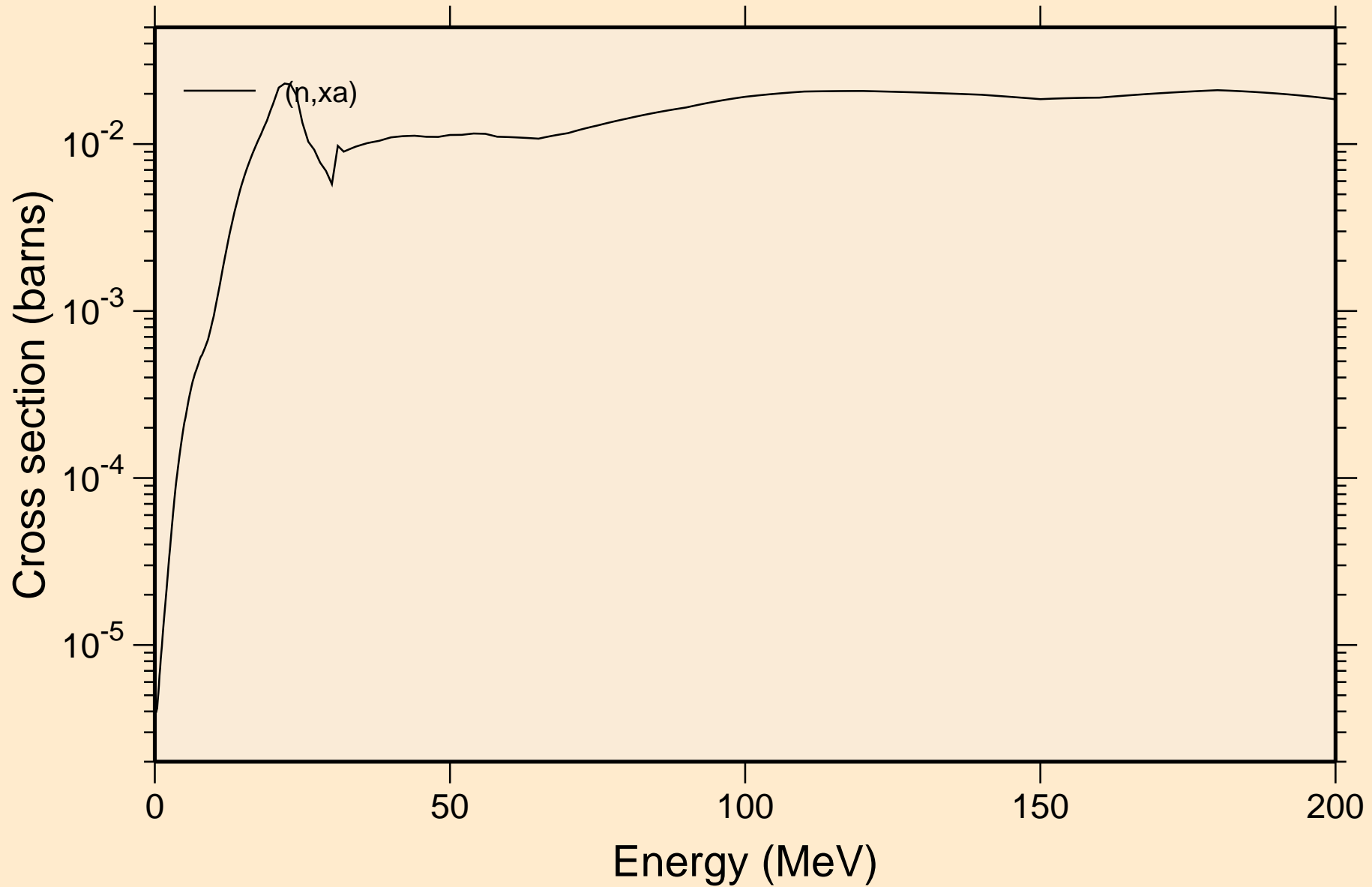


# ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

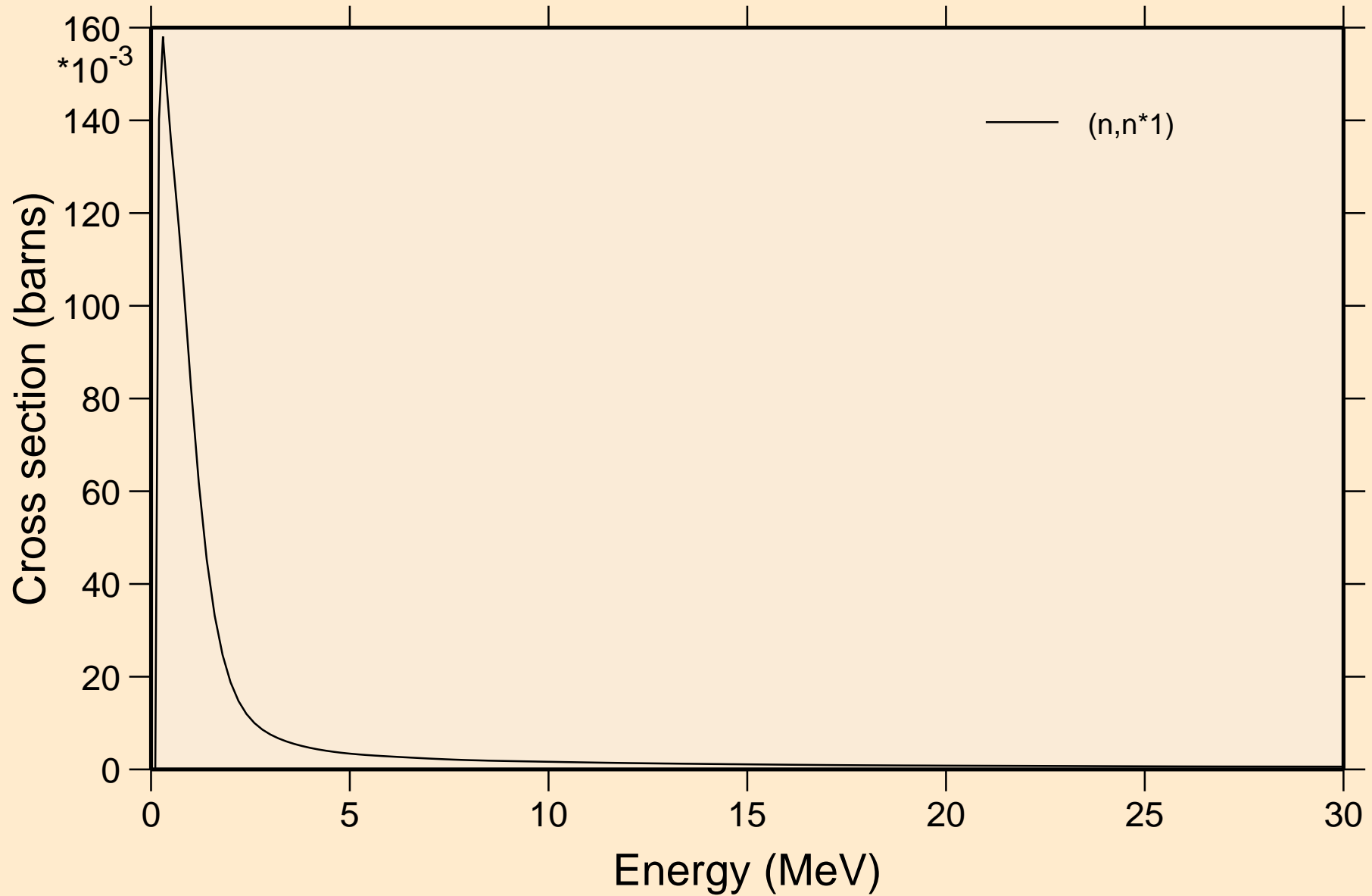
## Non-threshold reactions



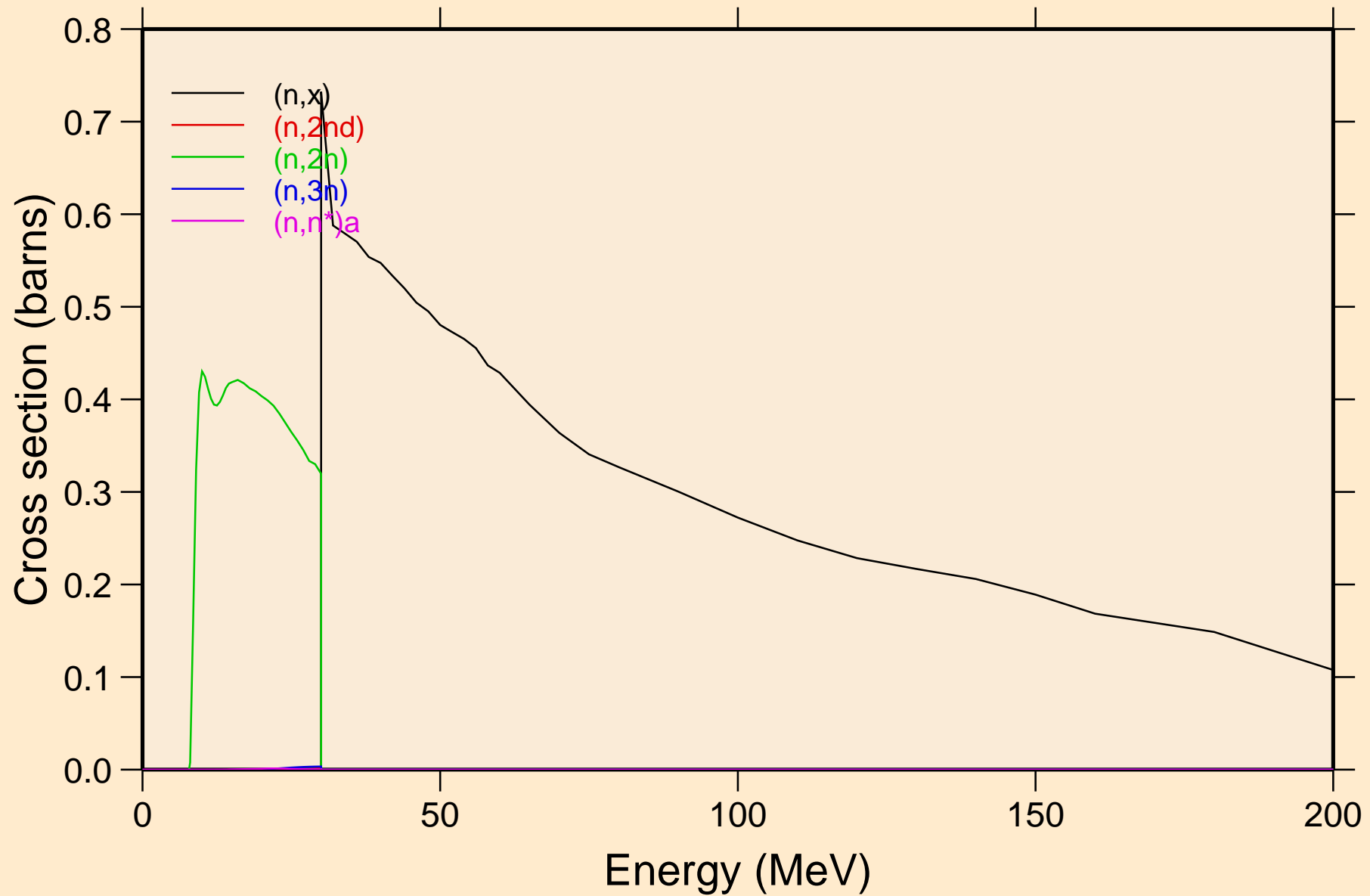
ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions



ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels

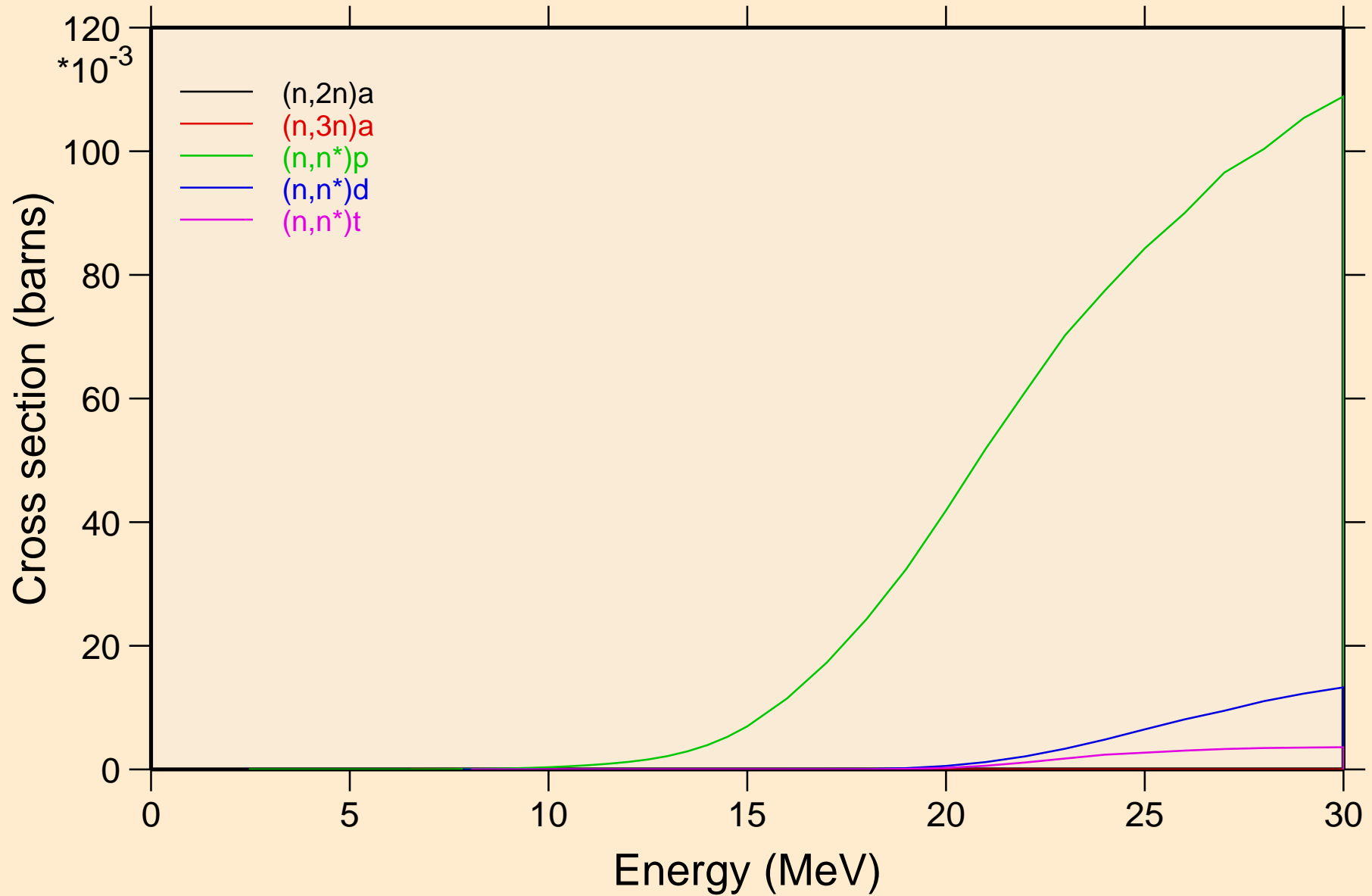


ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



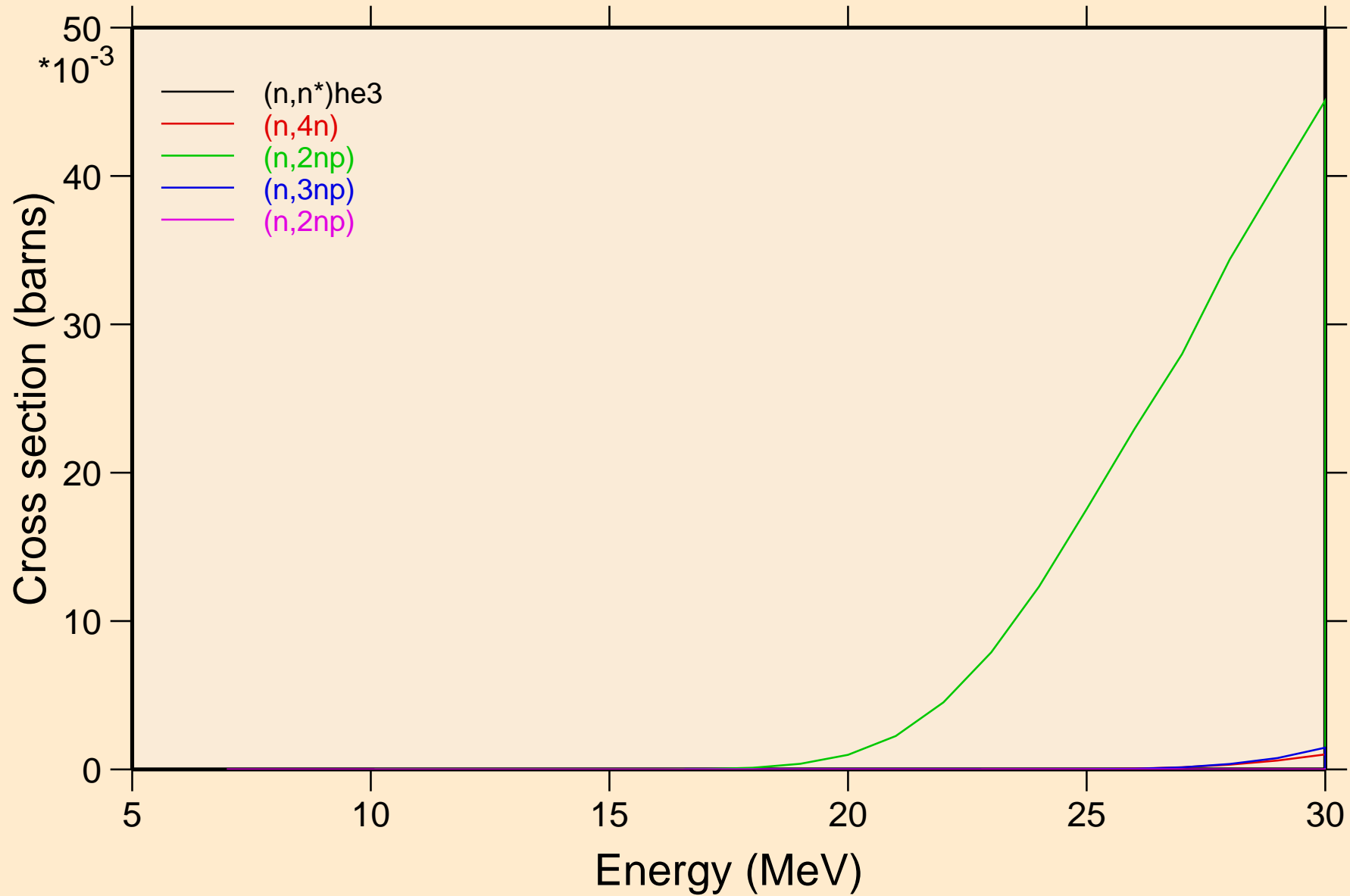
# ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Threshold reactions



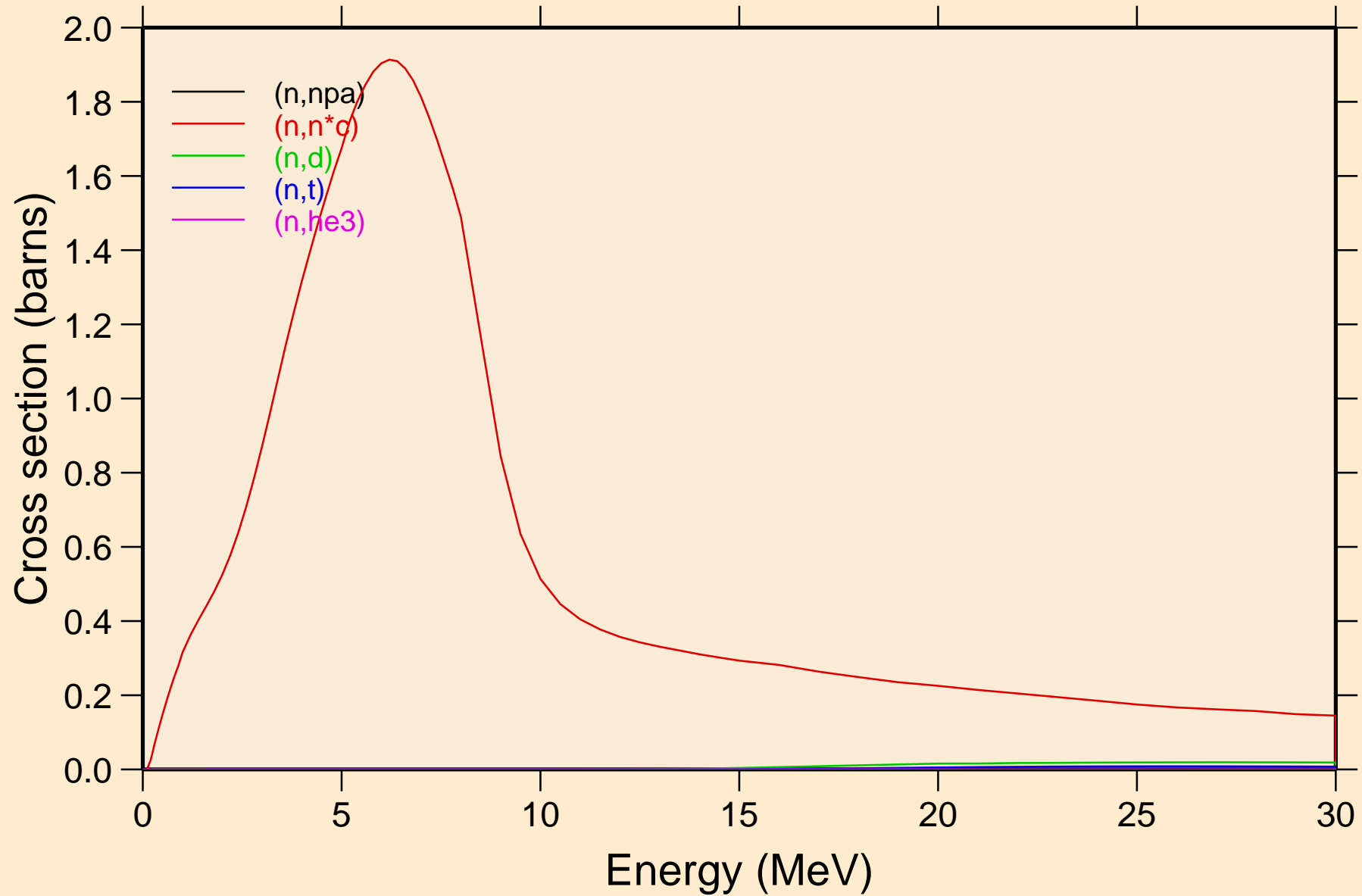
# ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Threshold reactions



# ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

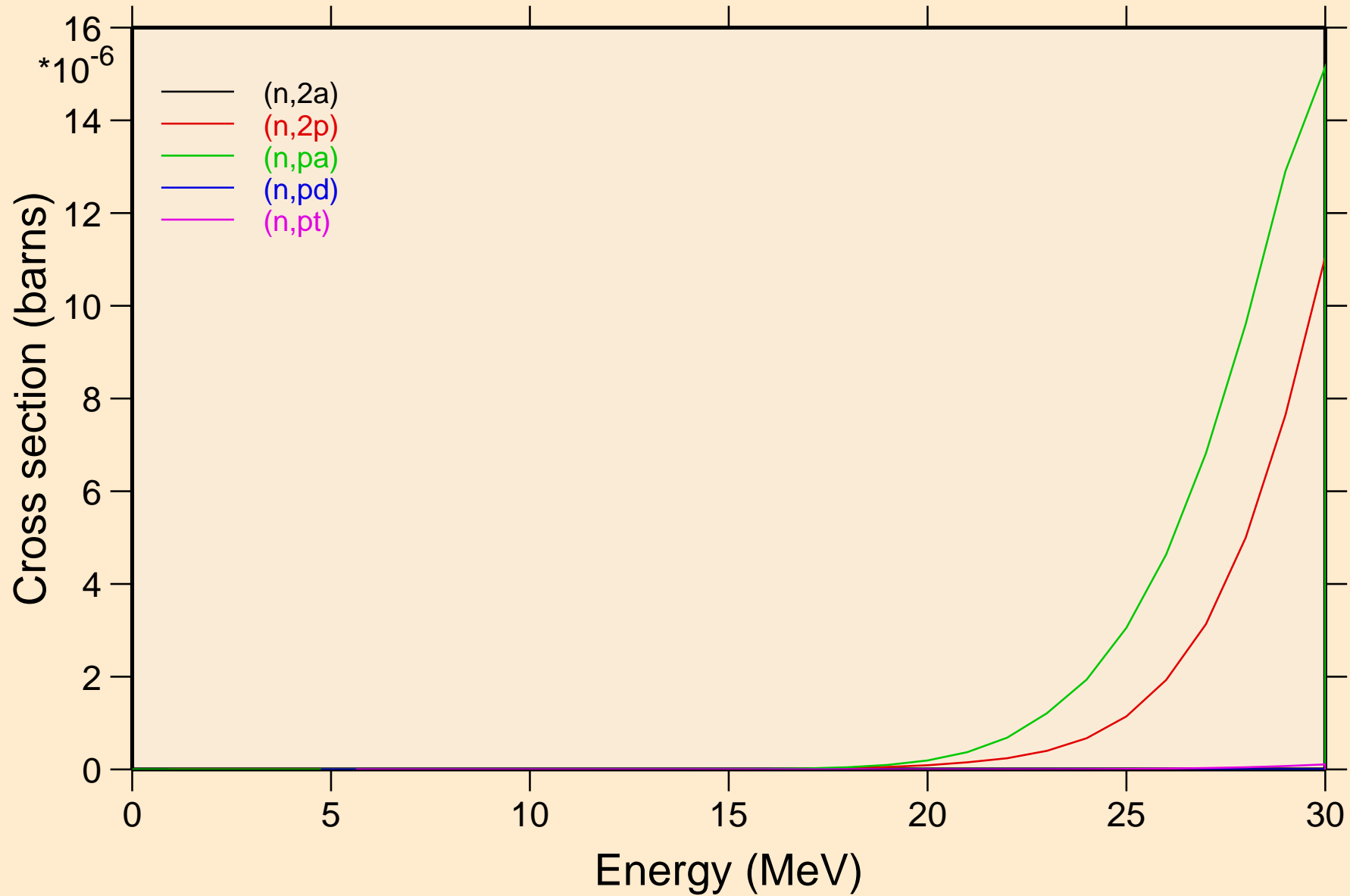
## Threshold reactions



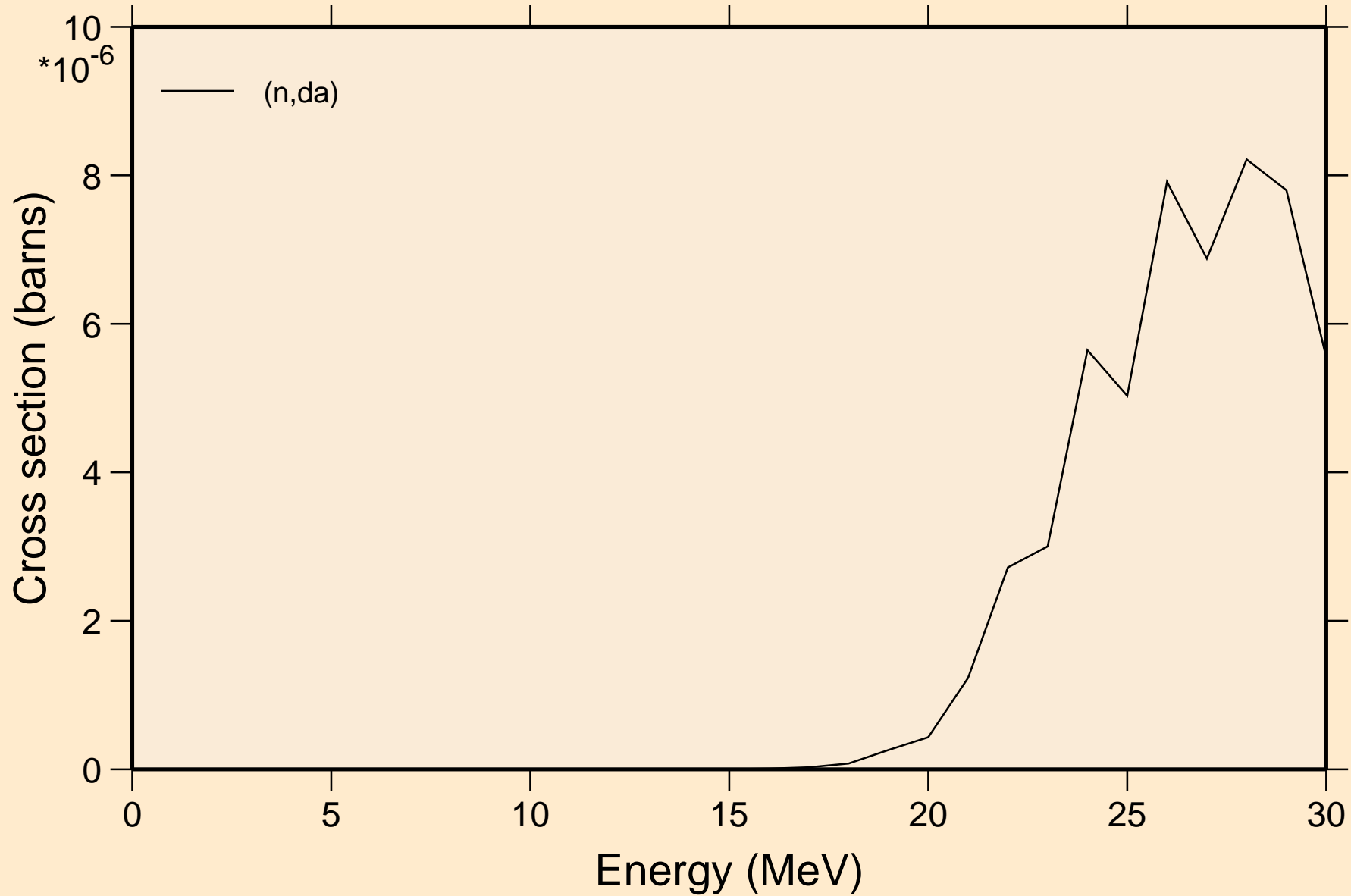


# ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

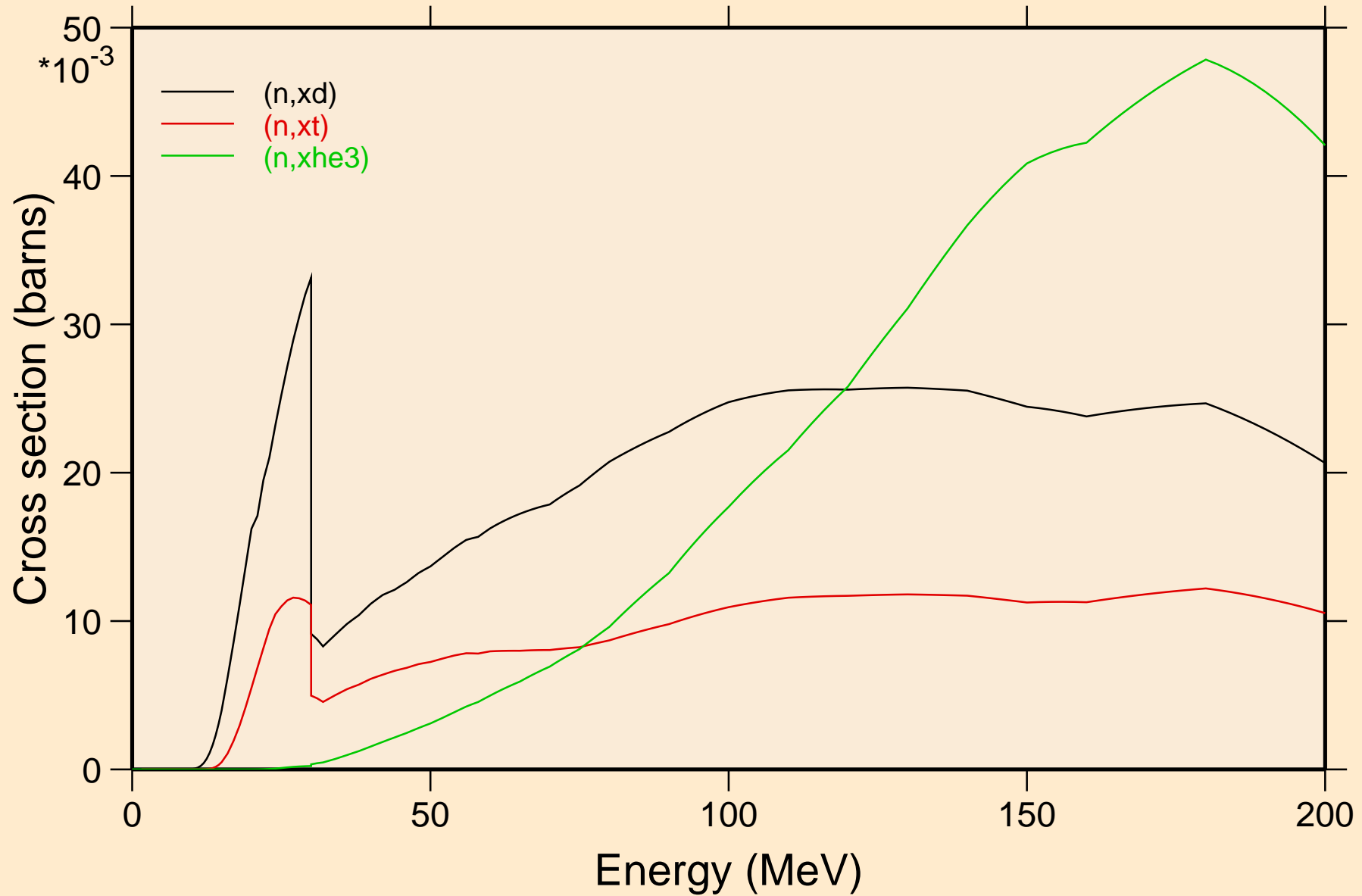
## Threshold reactions



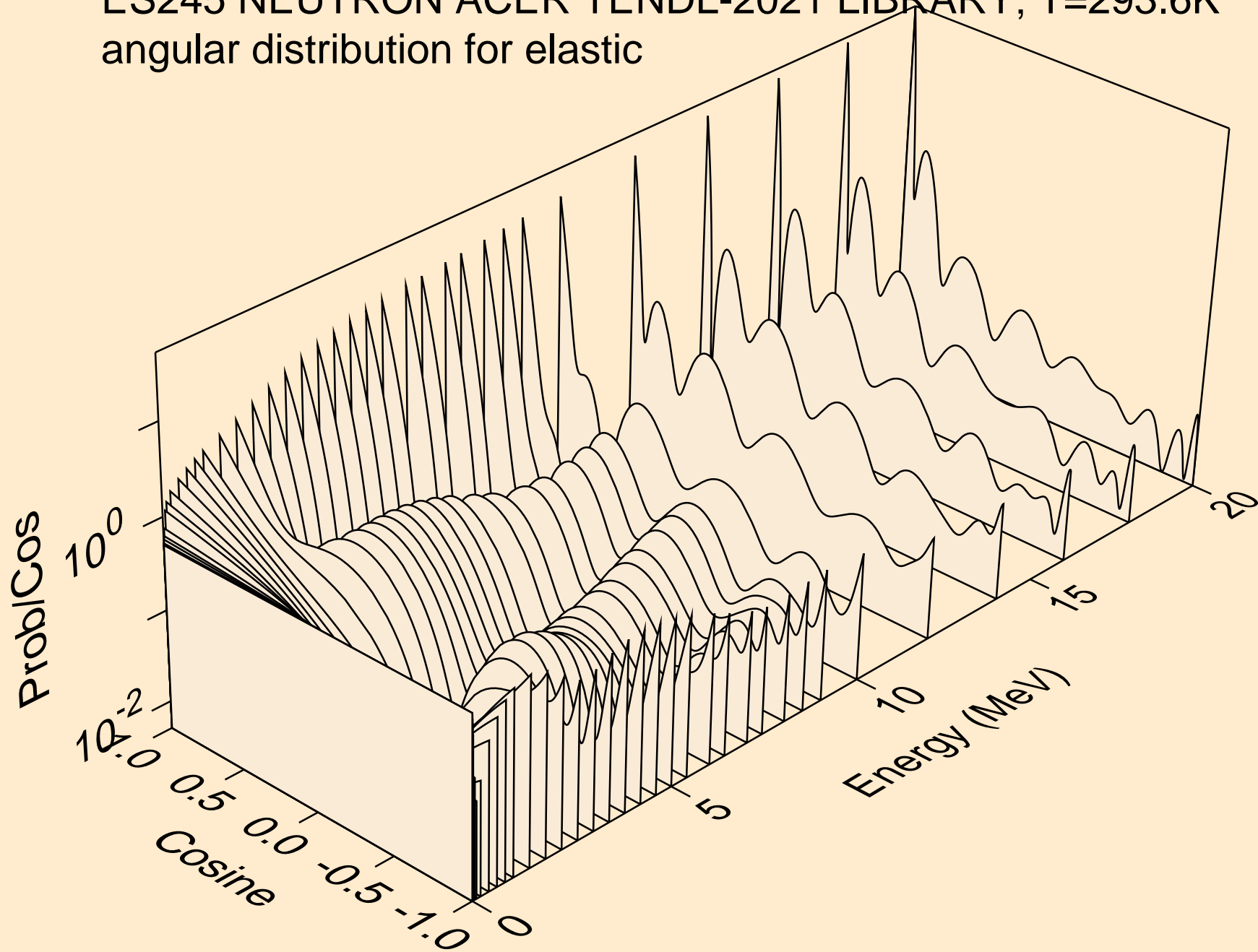
ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



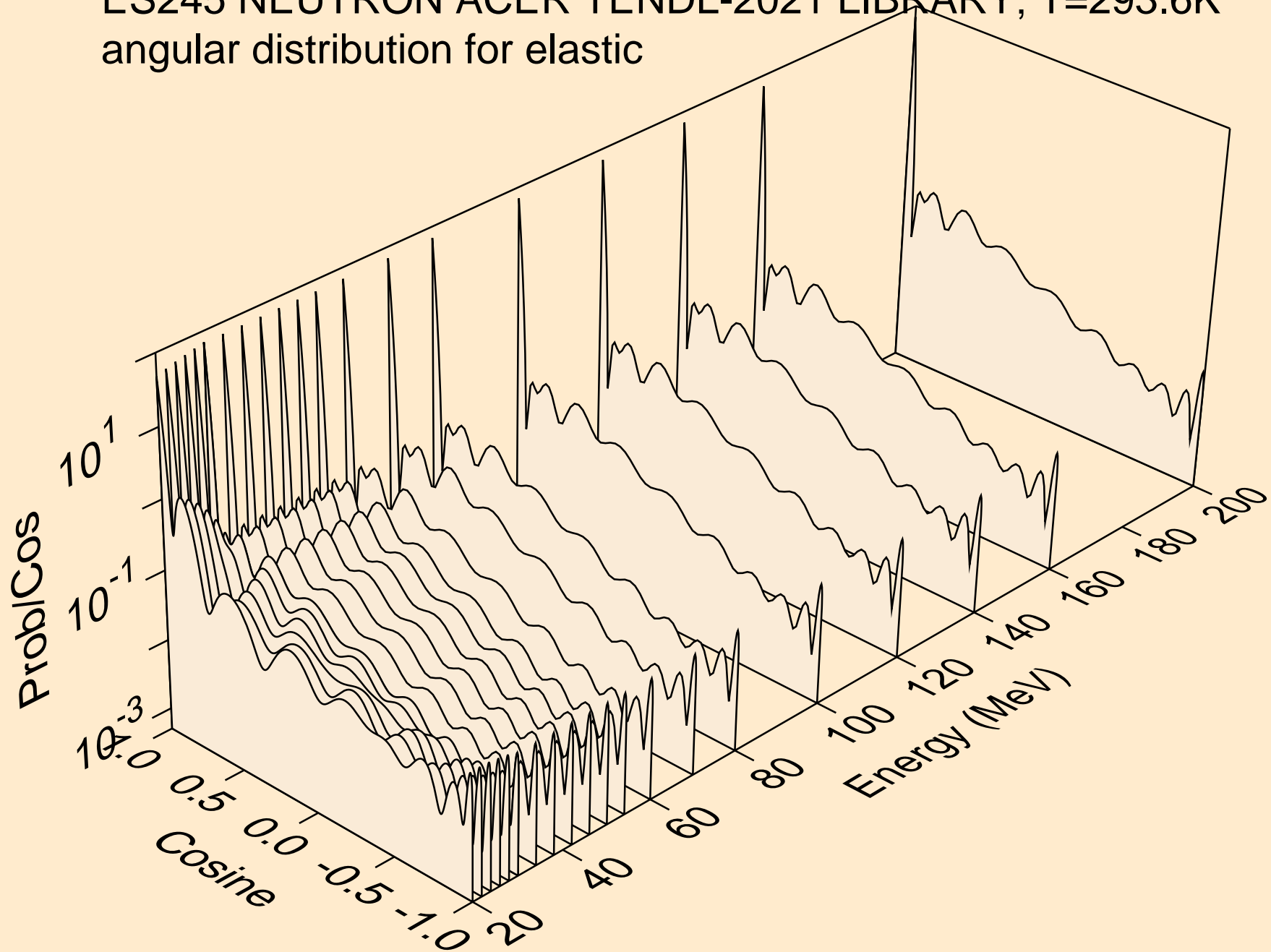
ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



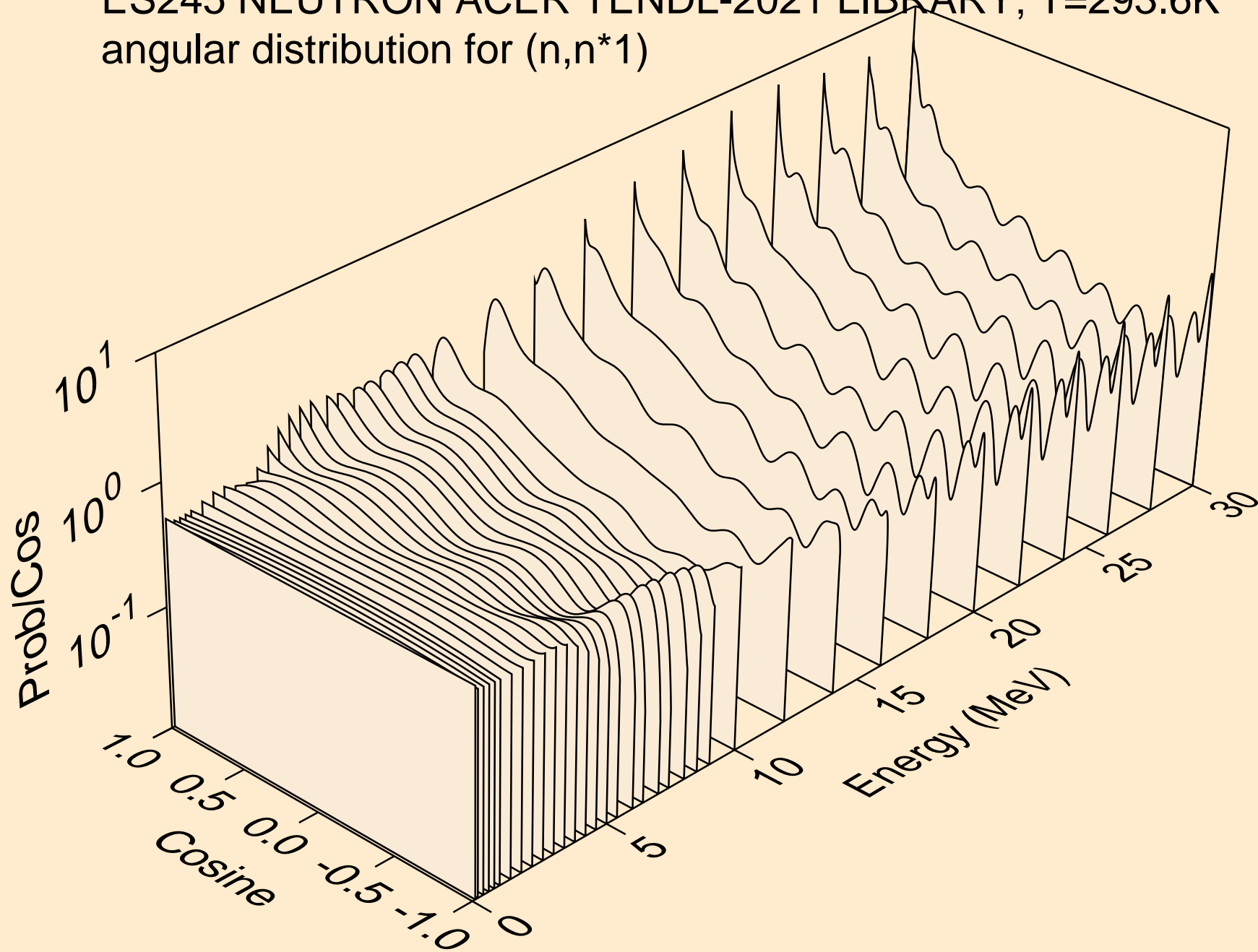
ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for elastic



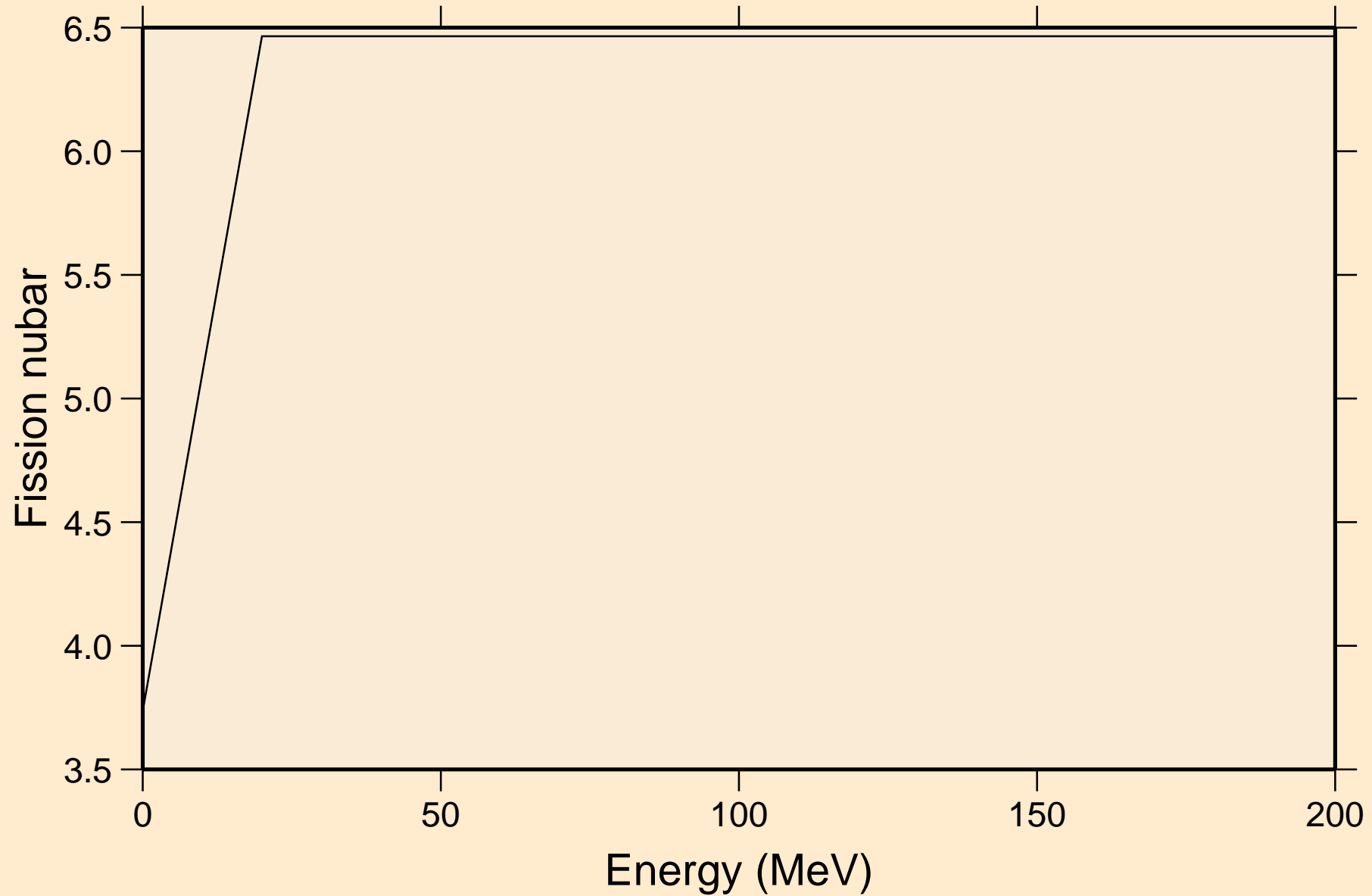
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angular distribution for elastic



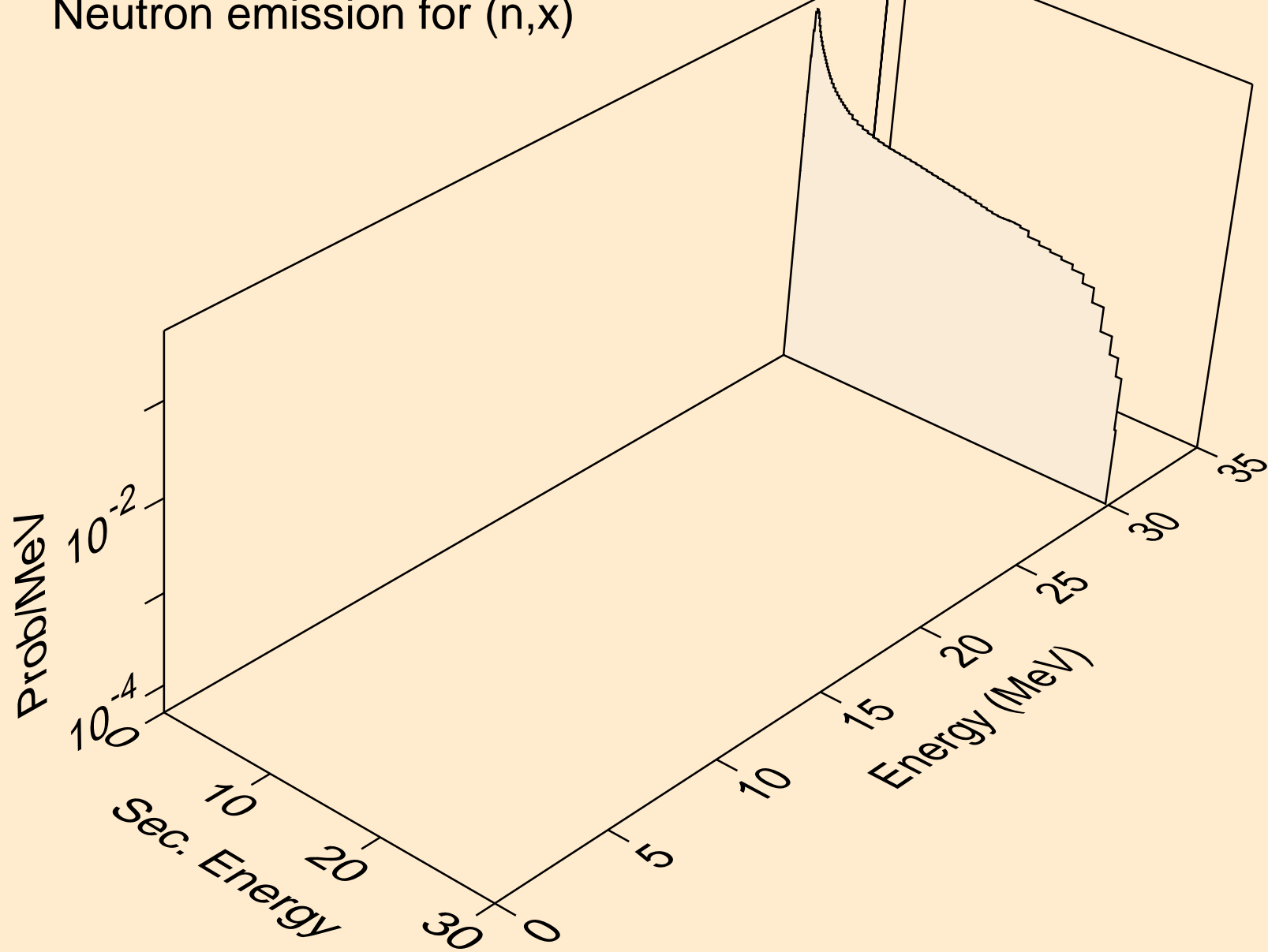
ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*1)



ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Total fission nubar

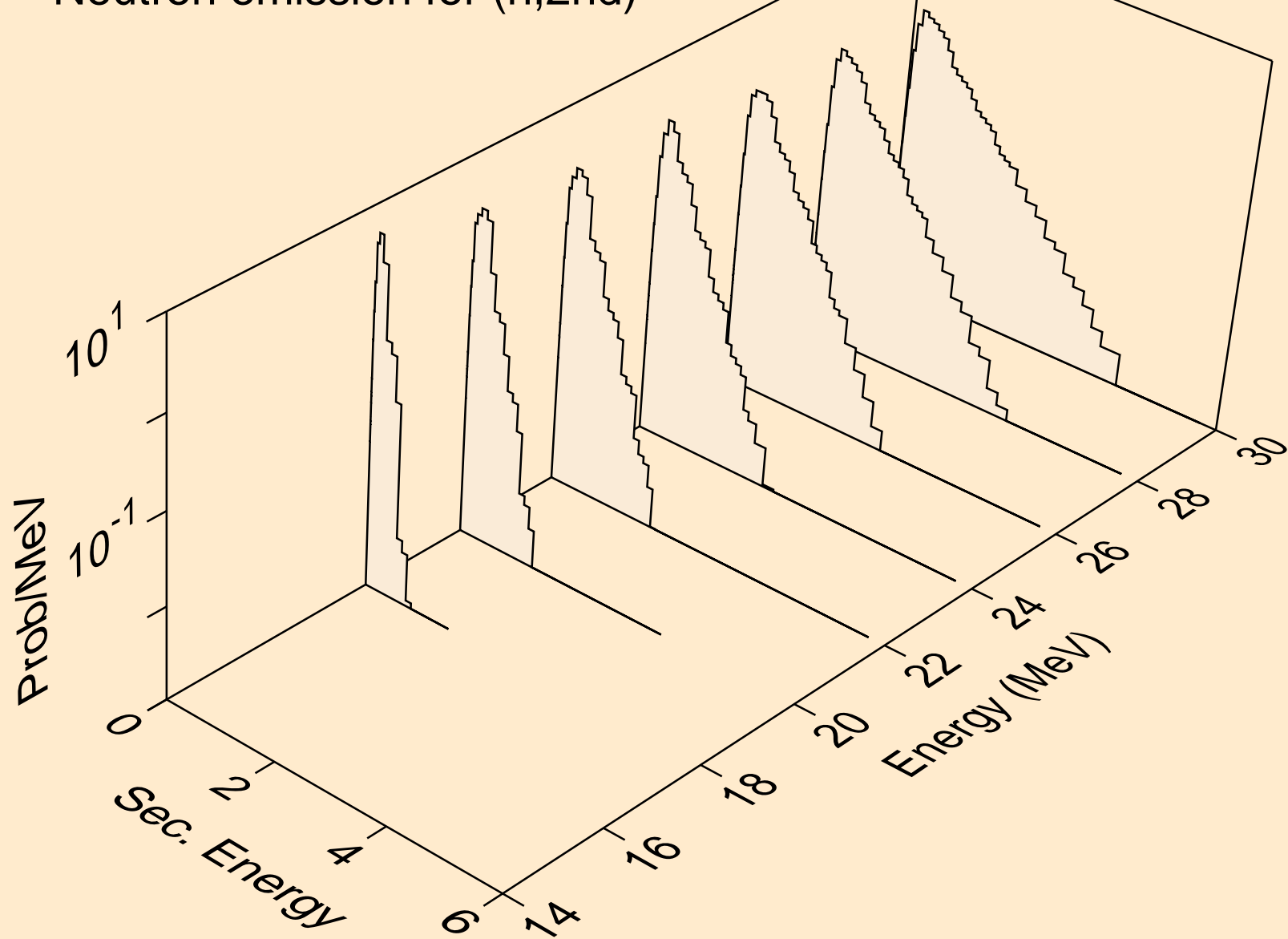


ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,x)

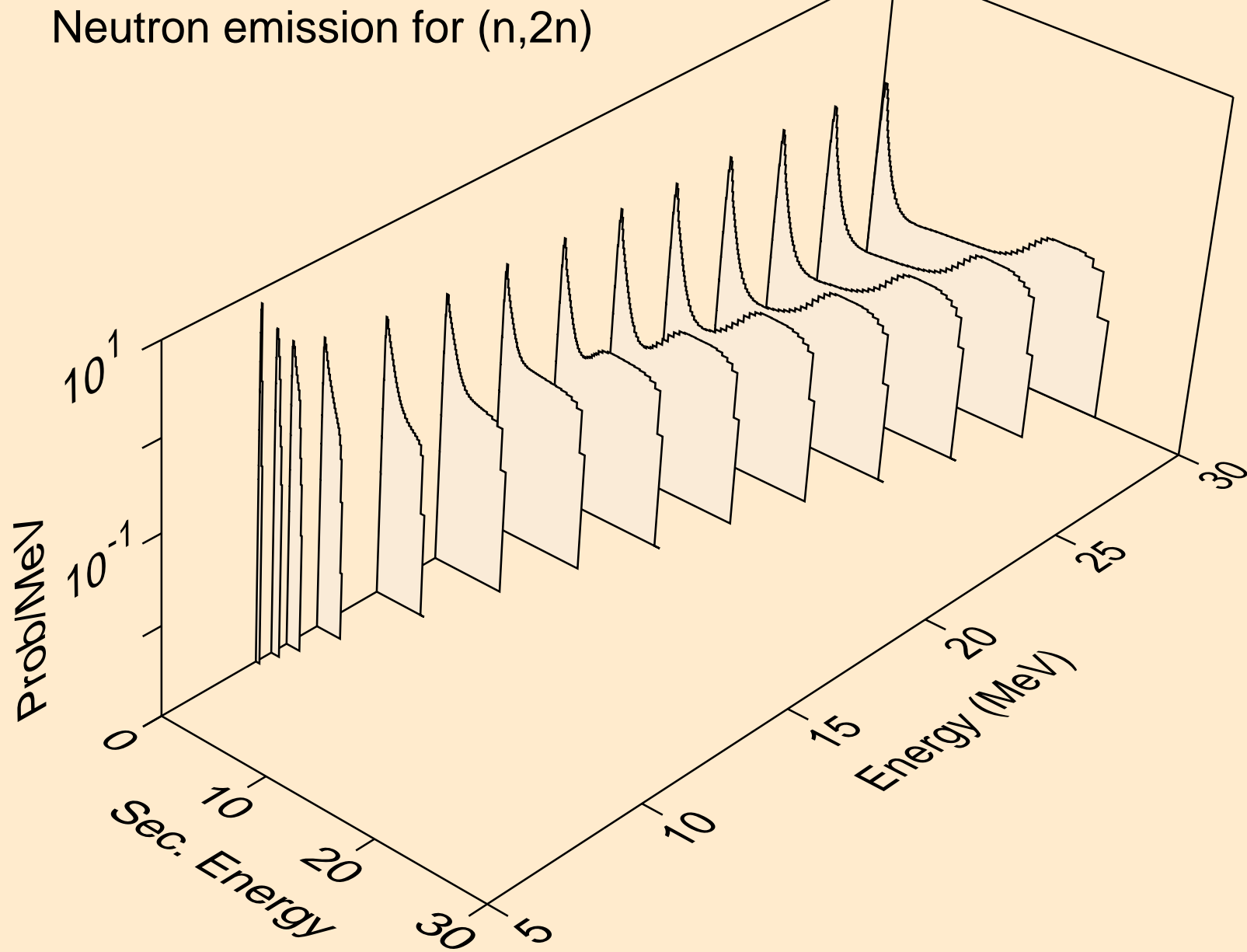




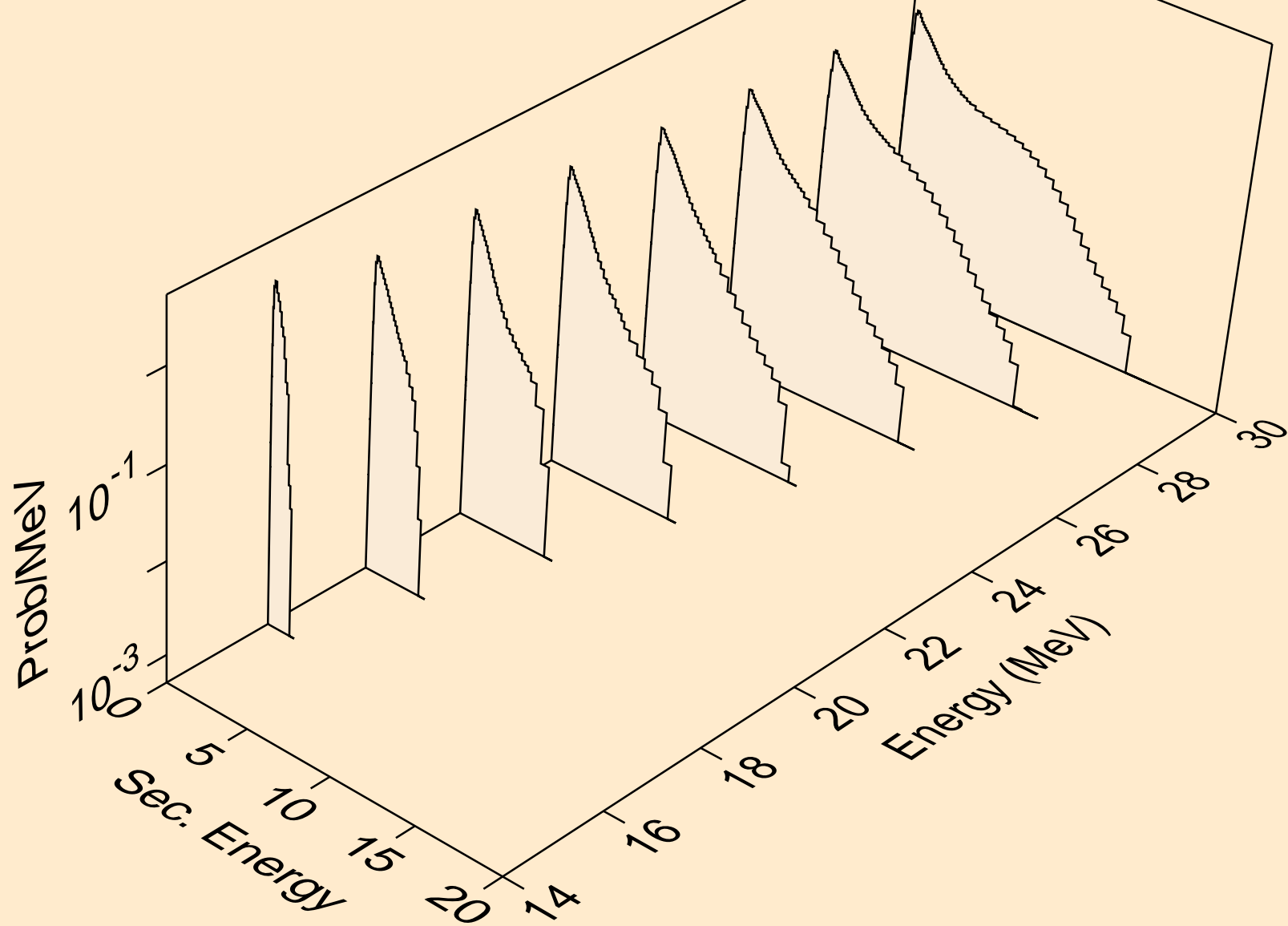
ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2nd)



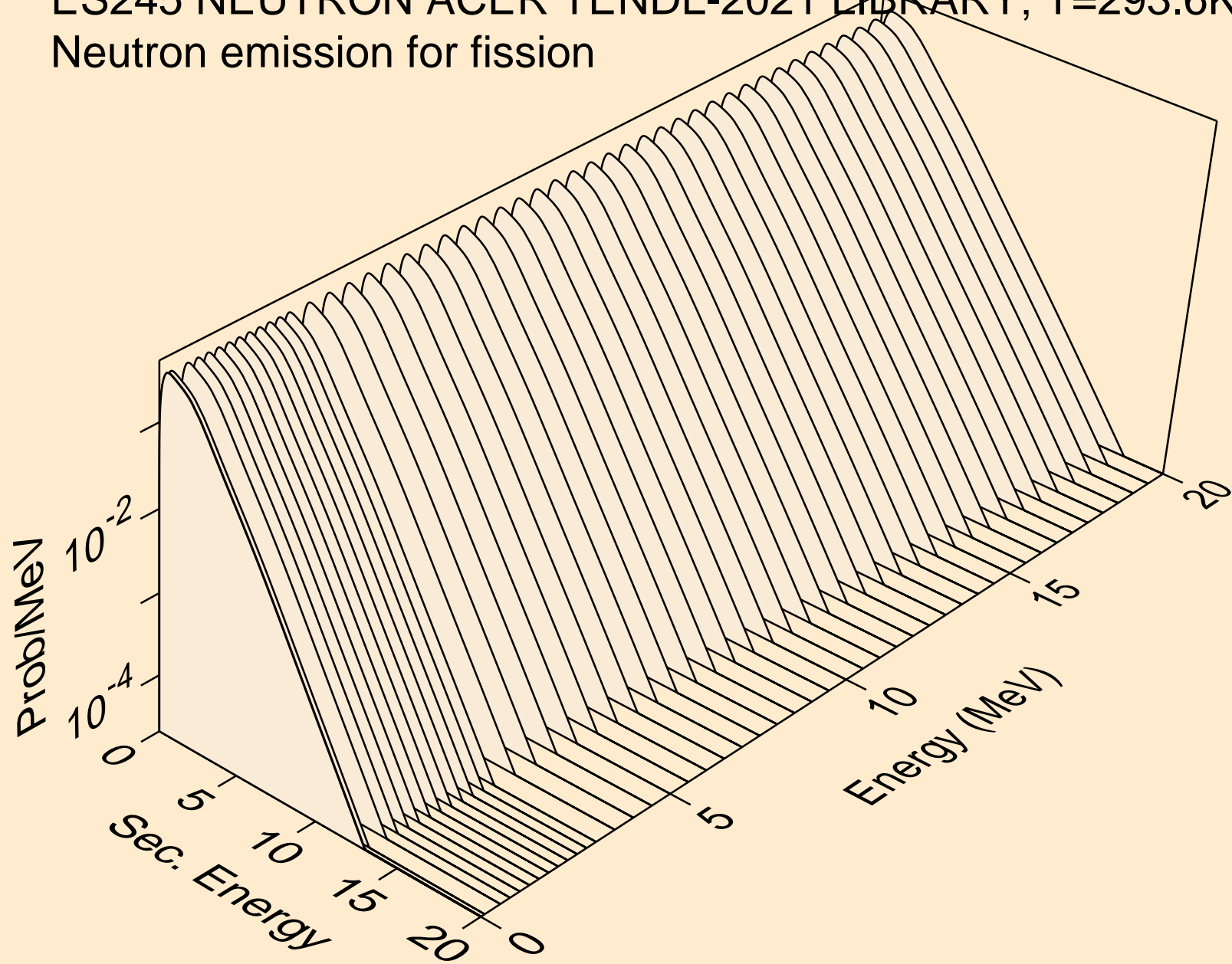
ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)



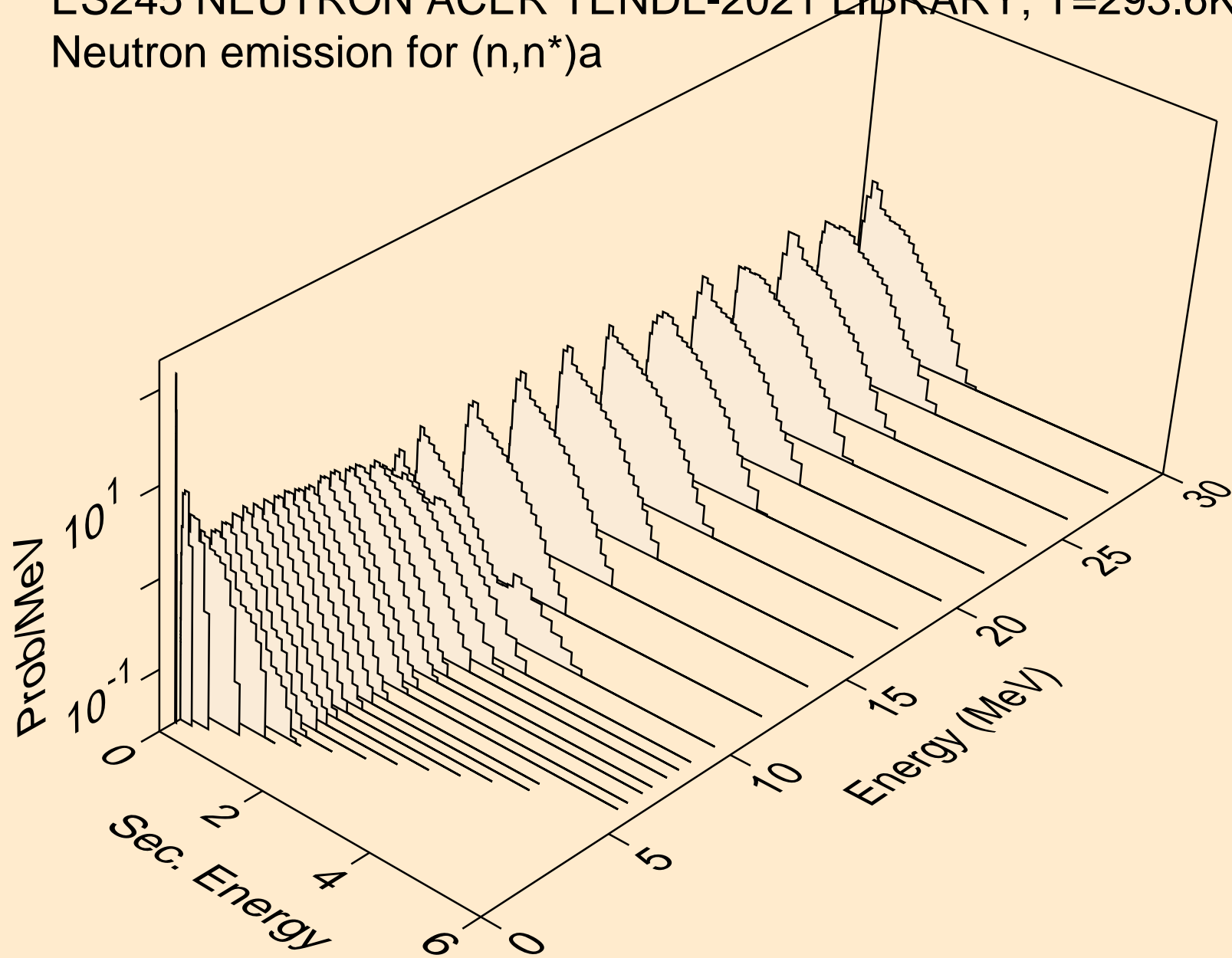
ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3n)



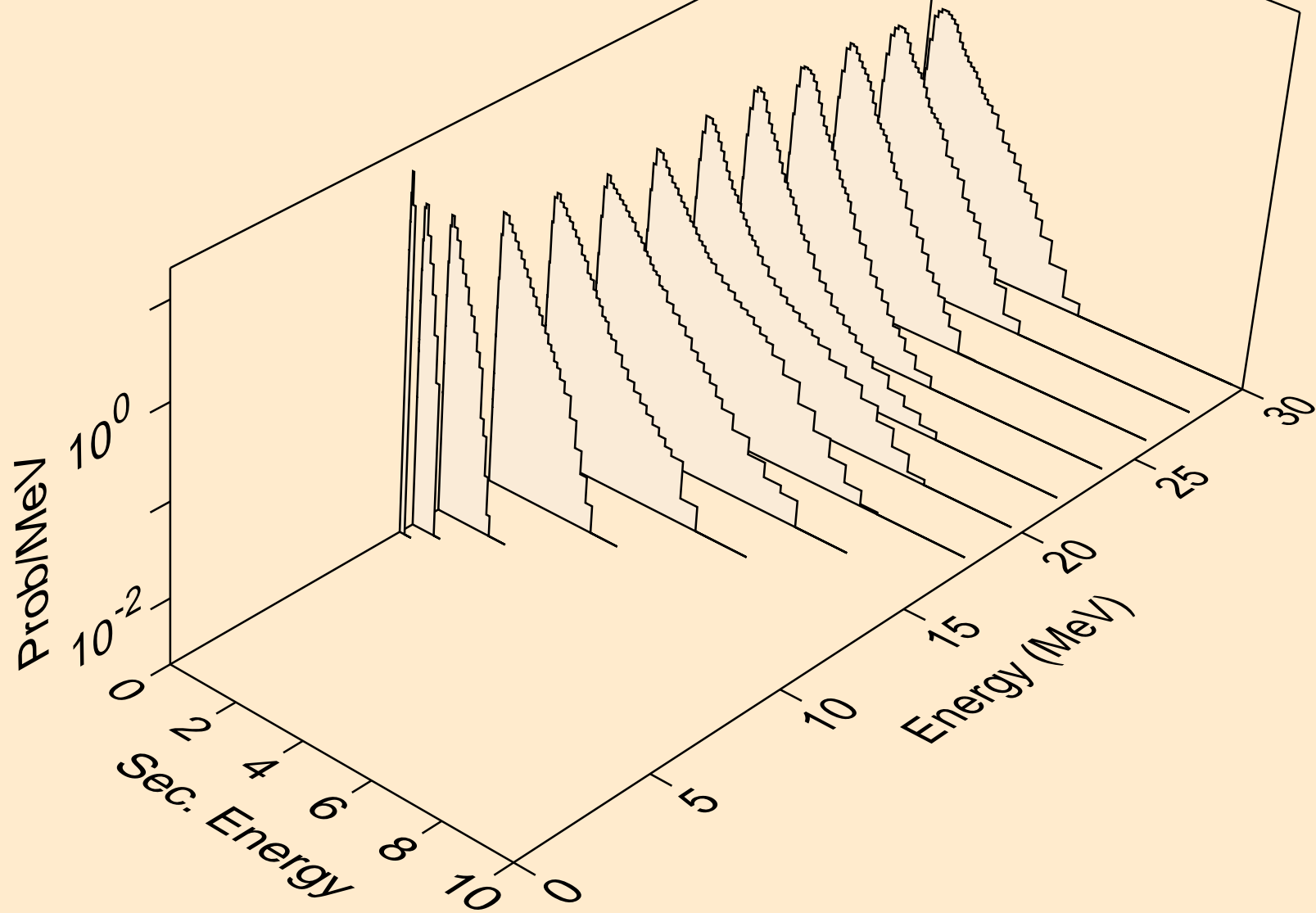
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Neutron emission for fission



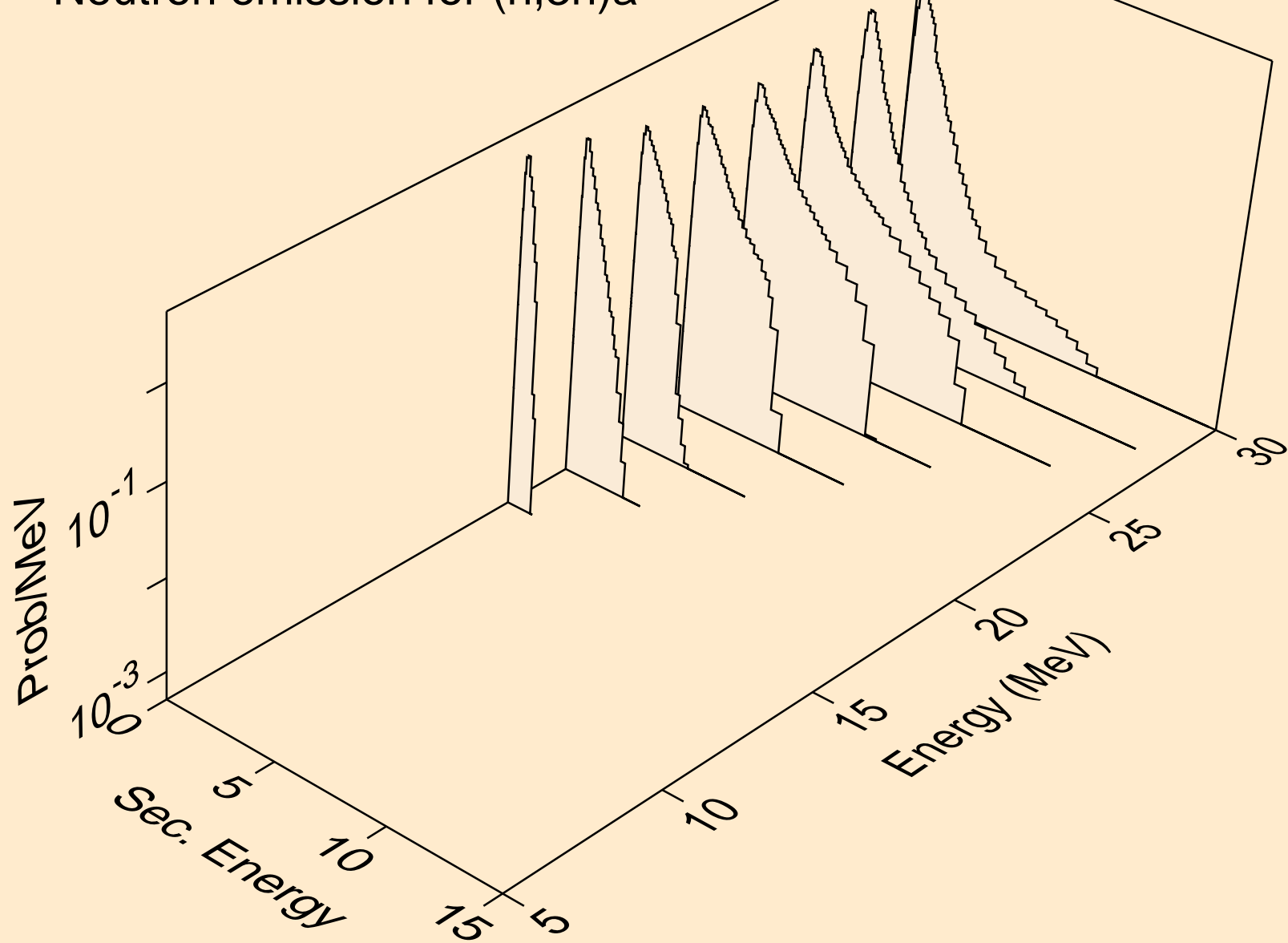
ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)a



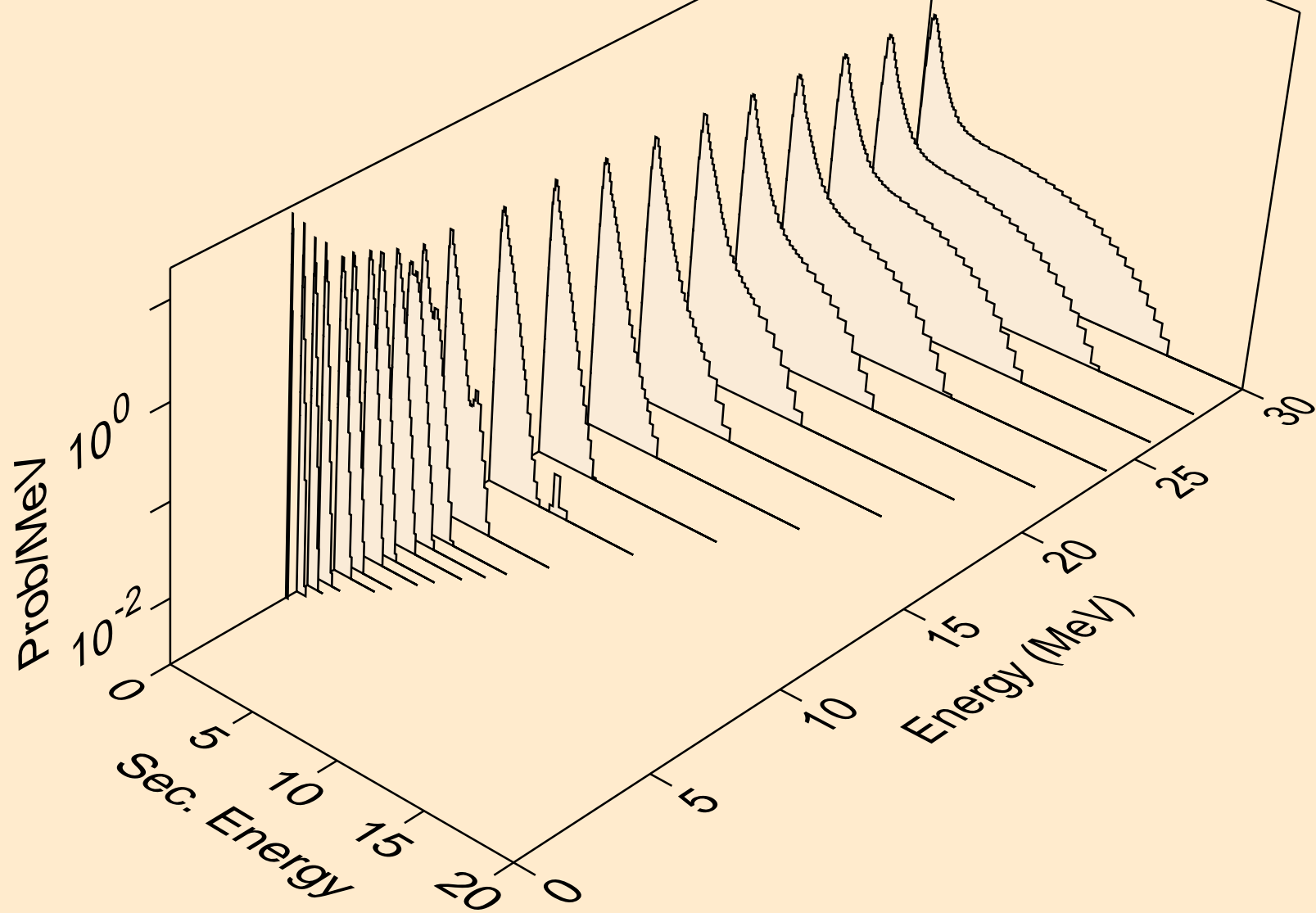
ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)a



ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3n)a

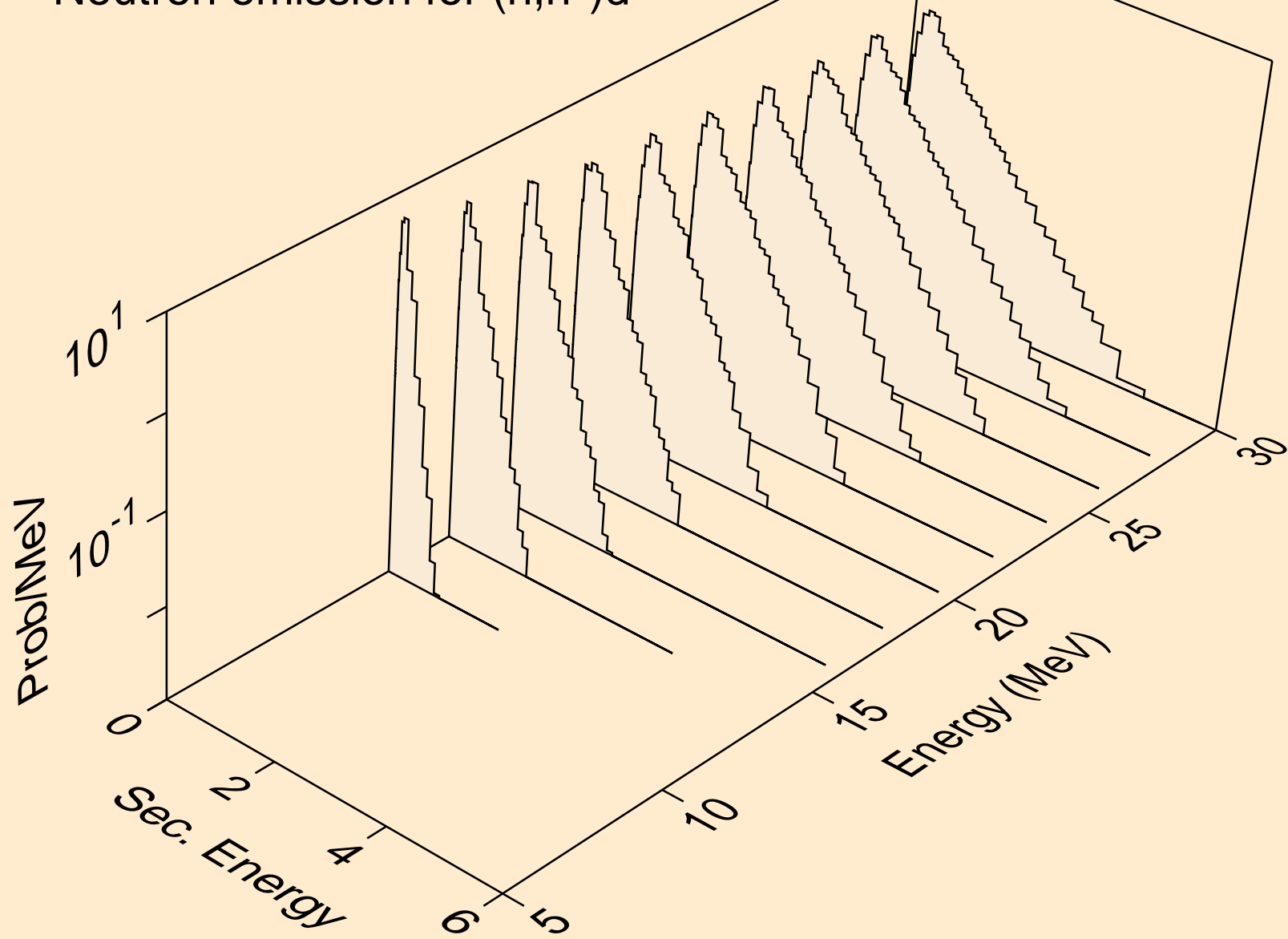


ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)p

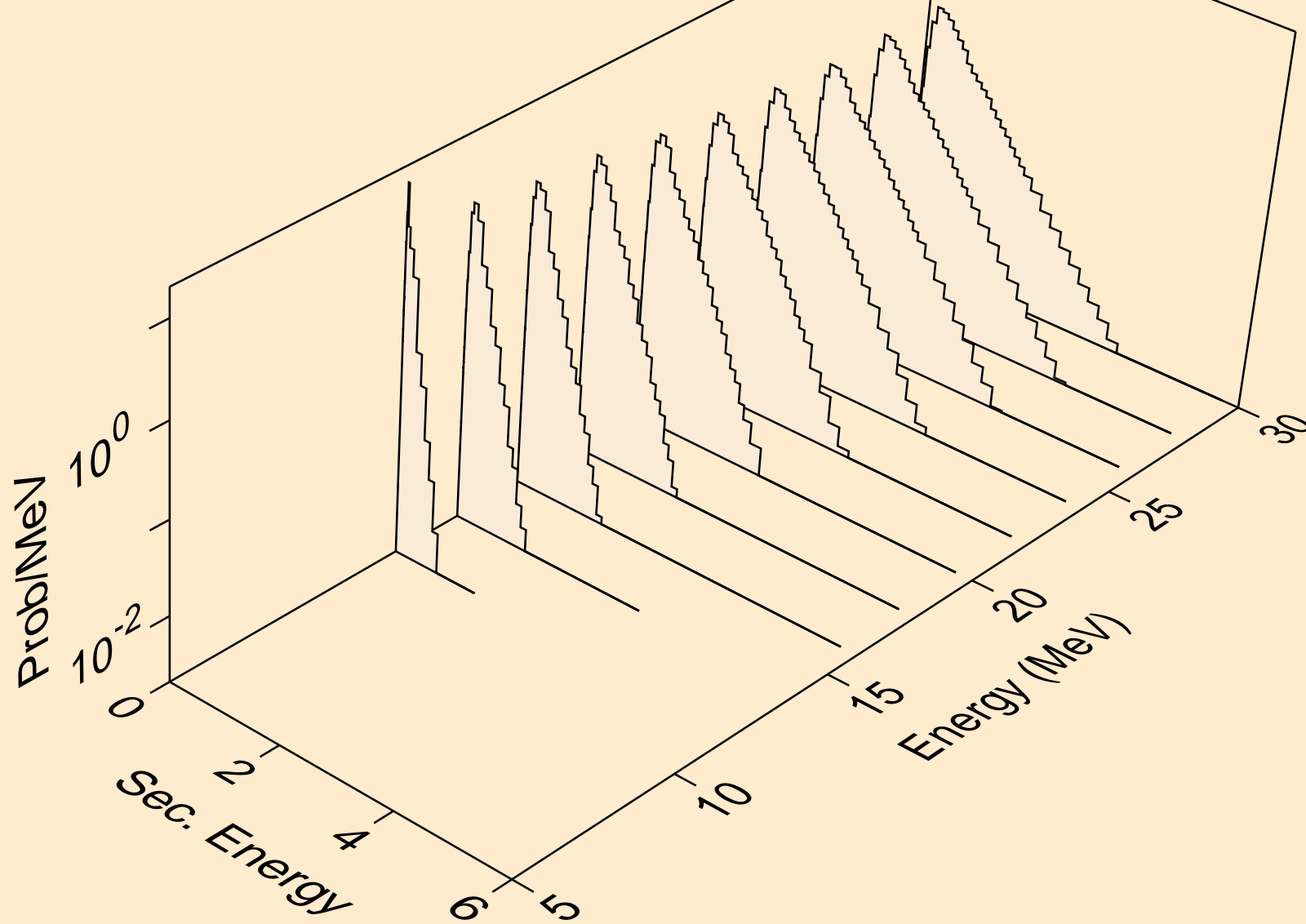




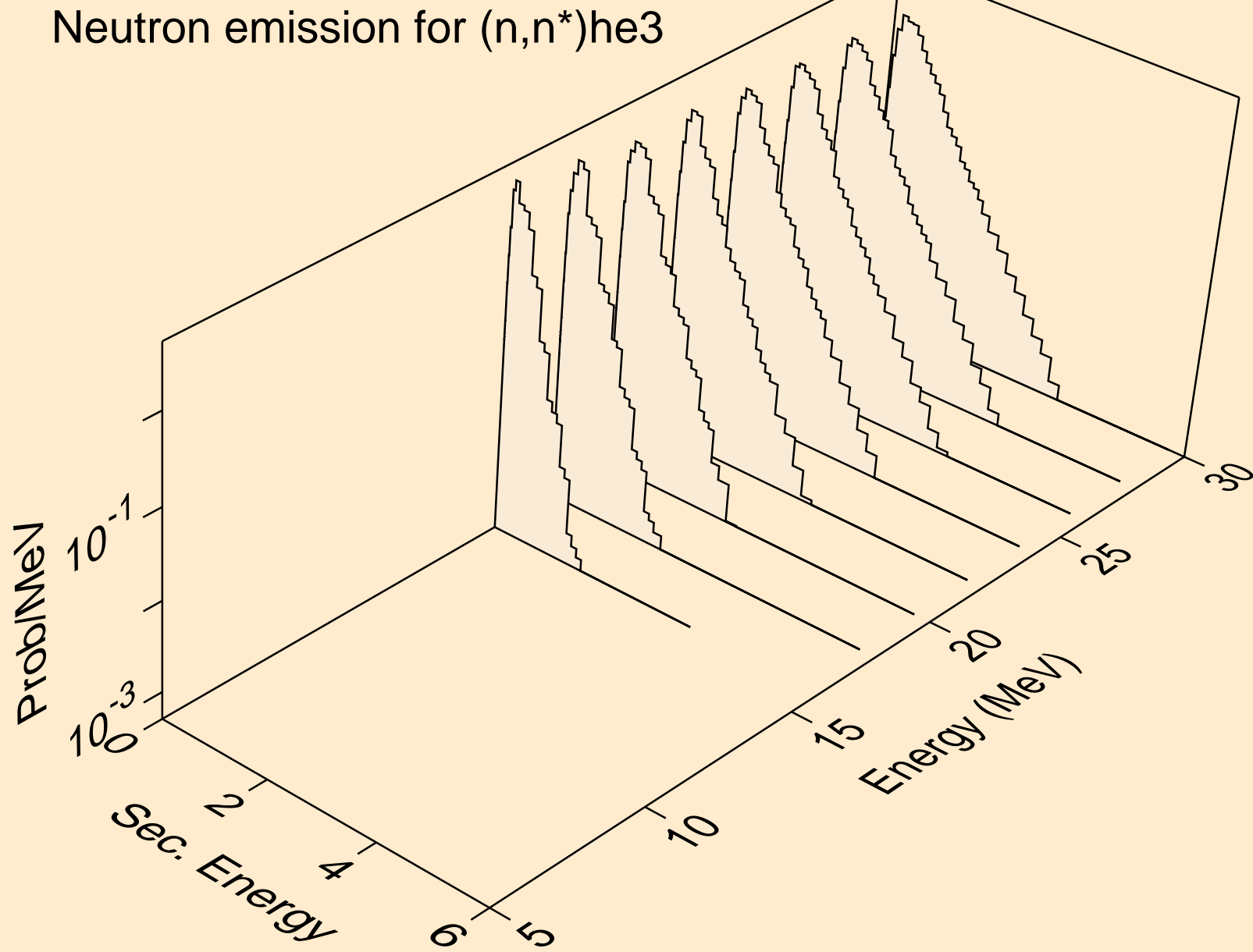
ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)d



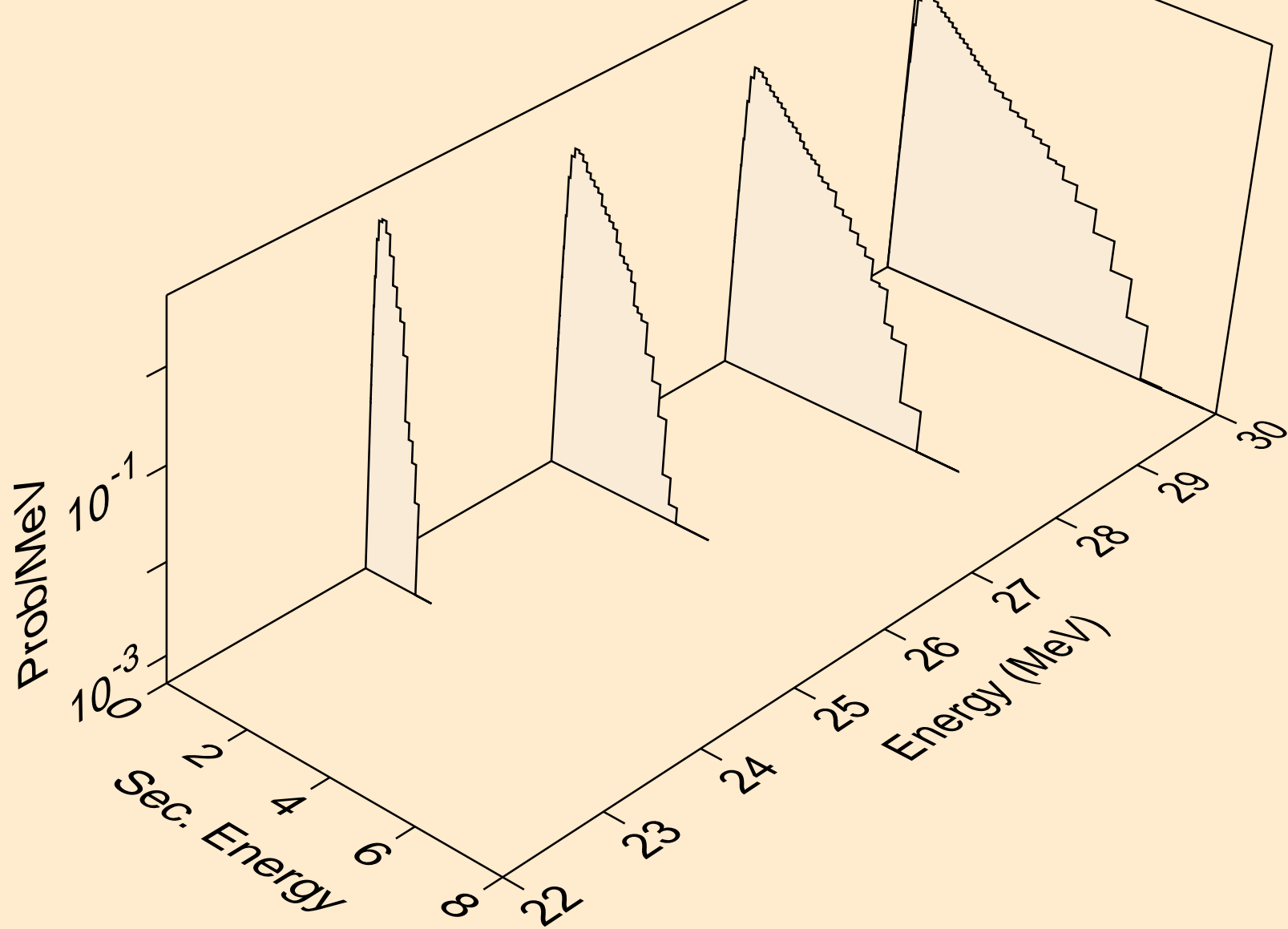
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Neutron emission for (n,n\*)t



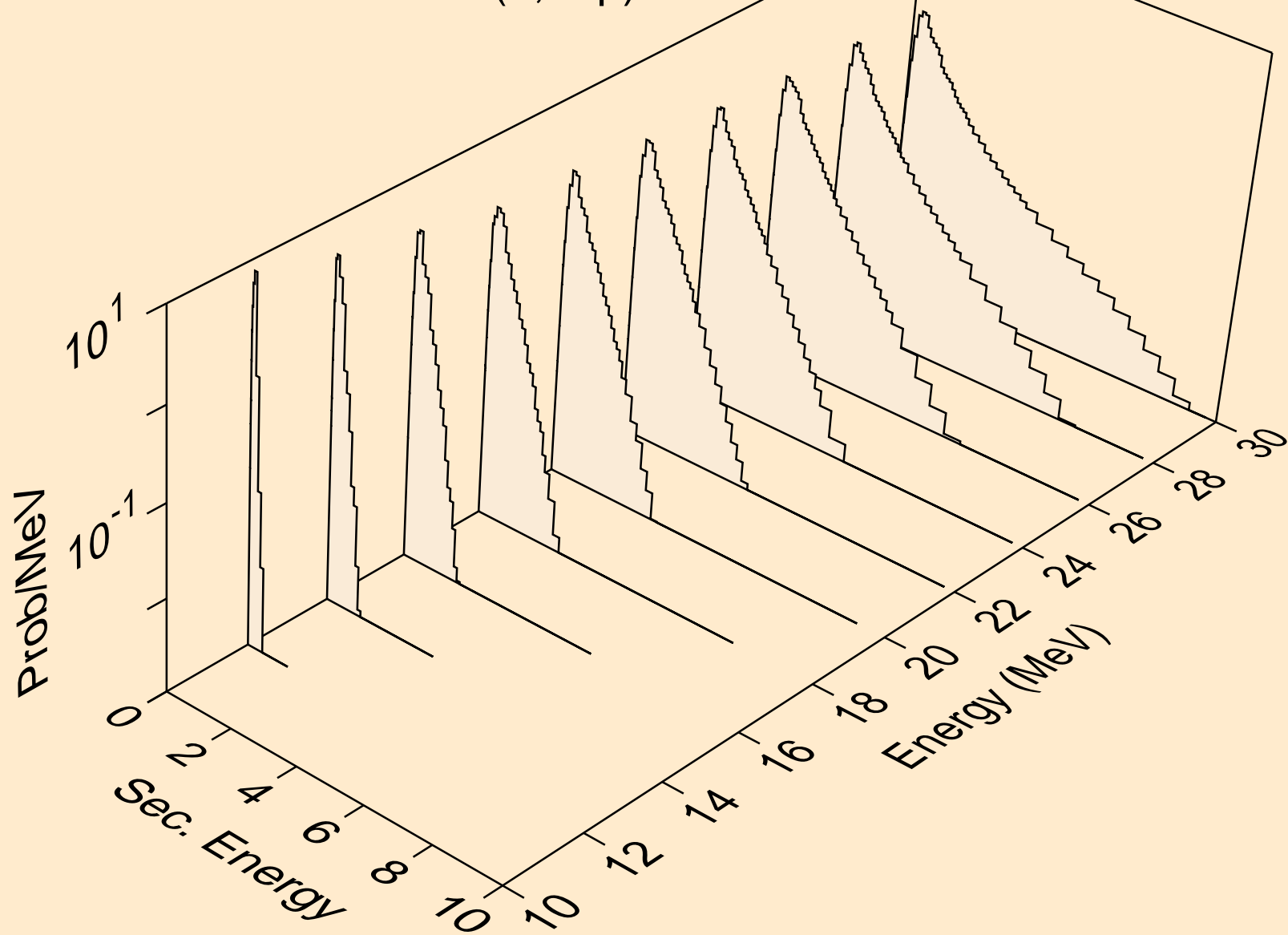
ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)he3



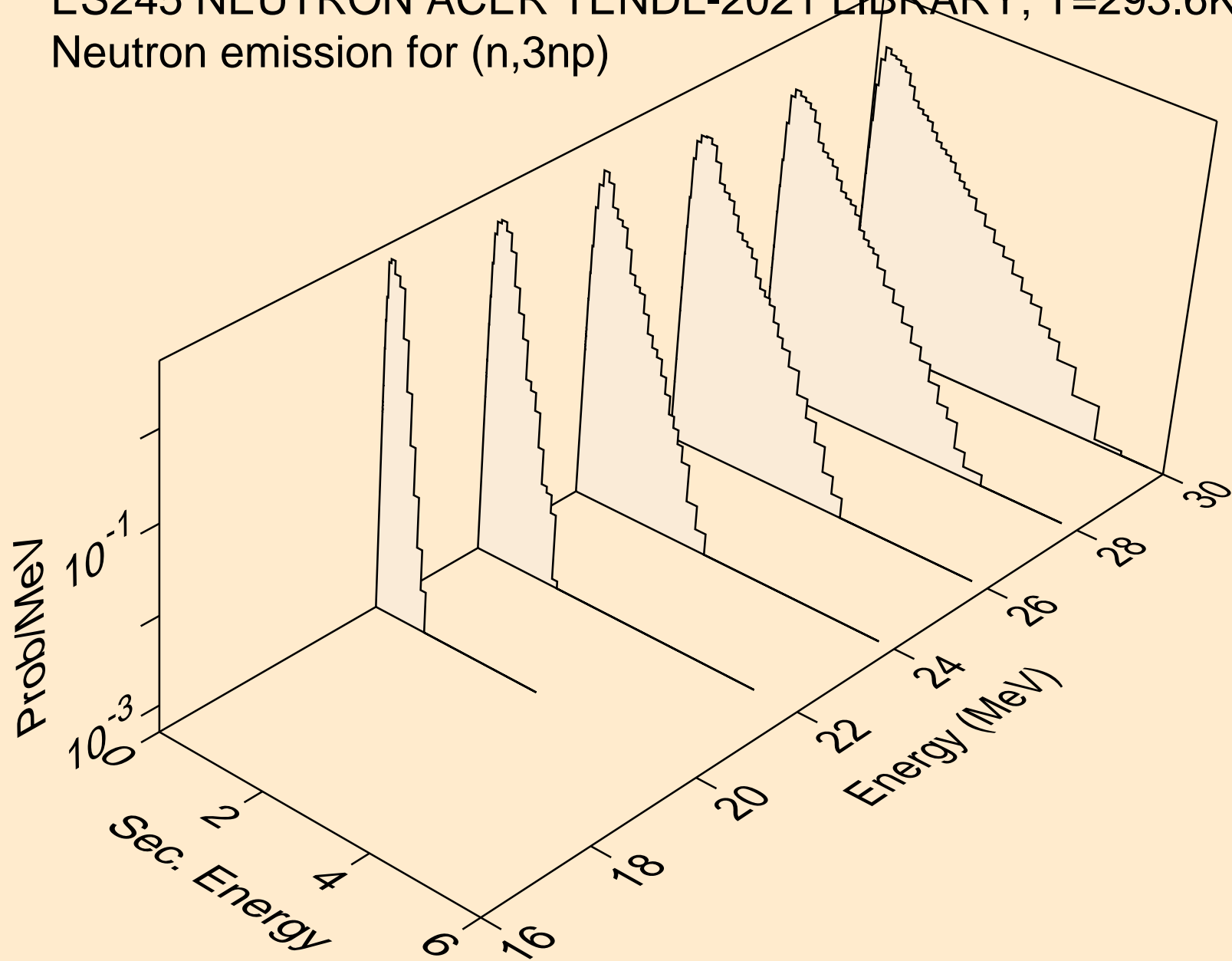
ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,4n)



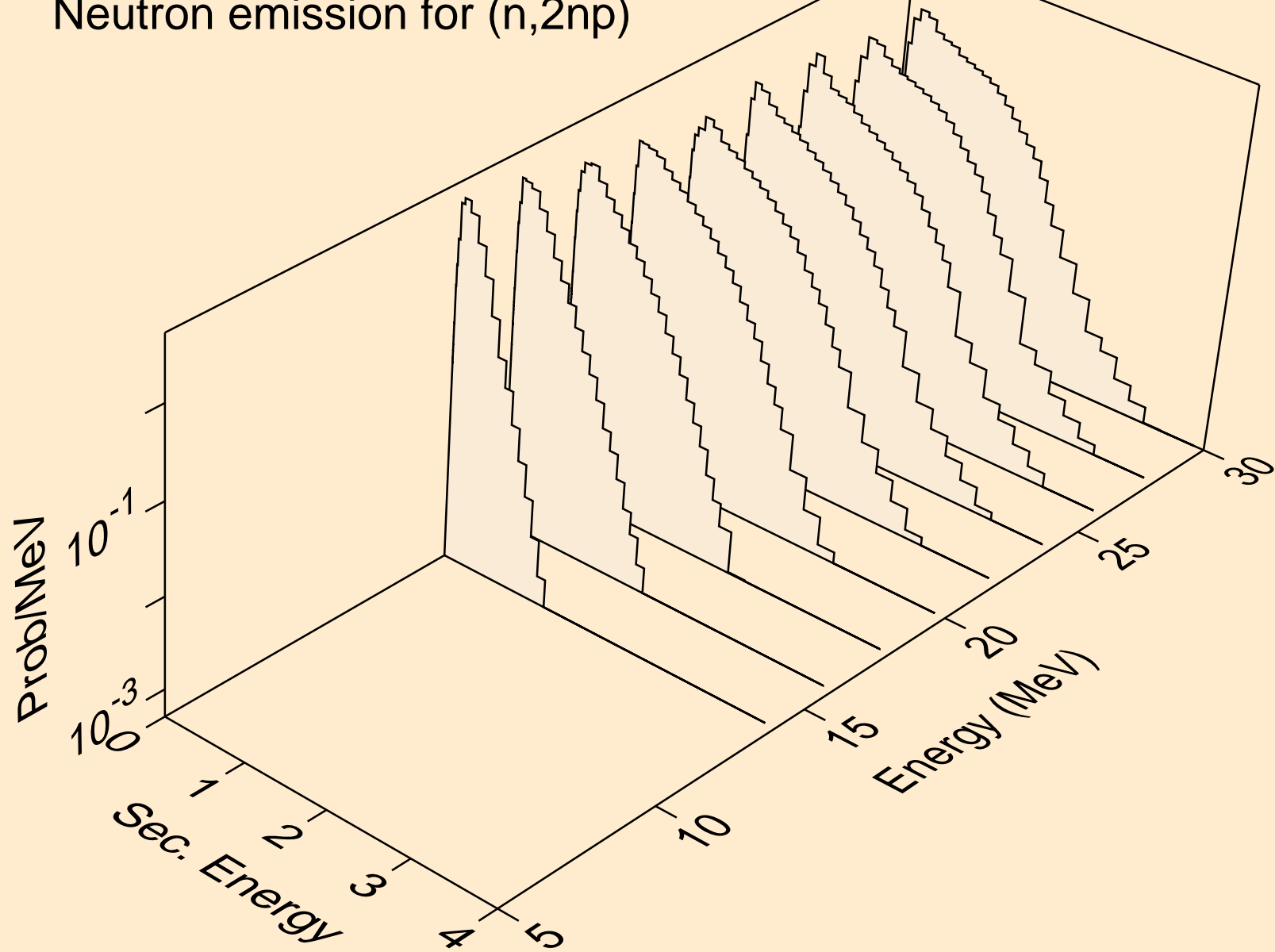
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Neutron emission for (n,2np)



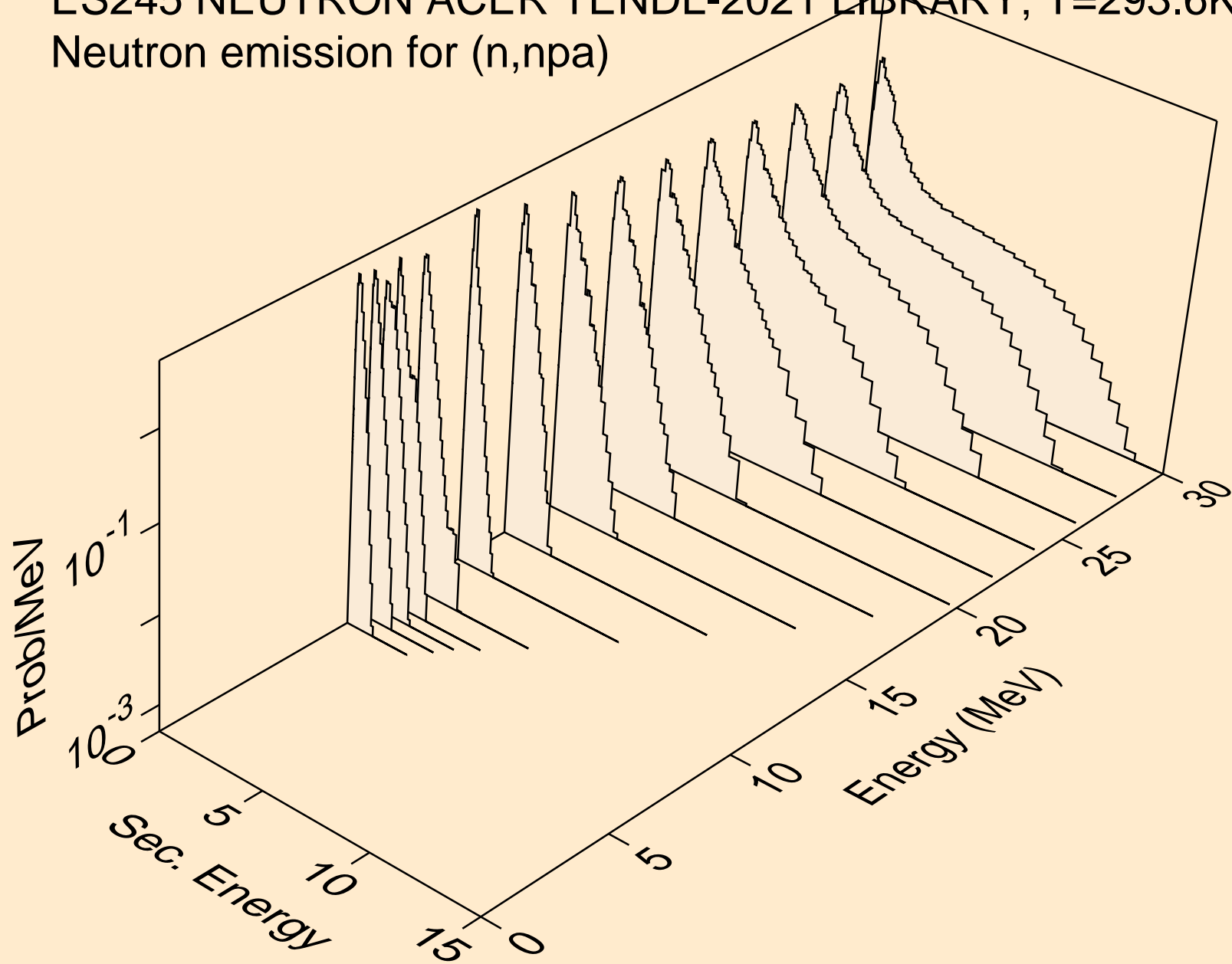
ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3np)



ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2np)

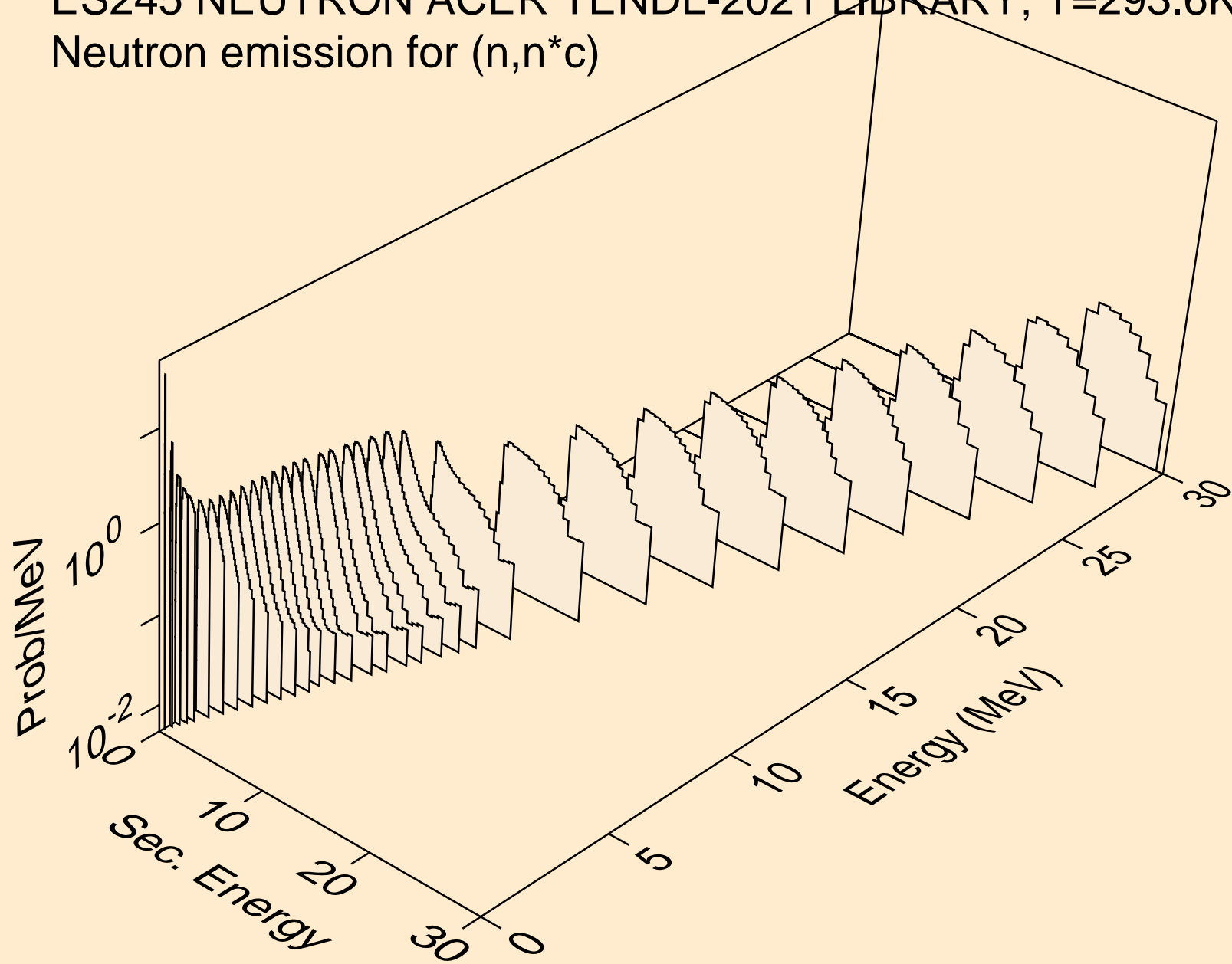


ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,npa)



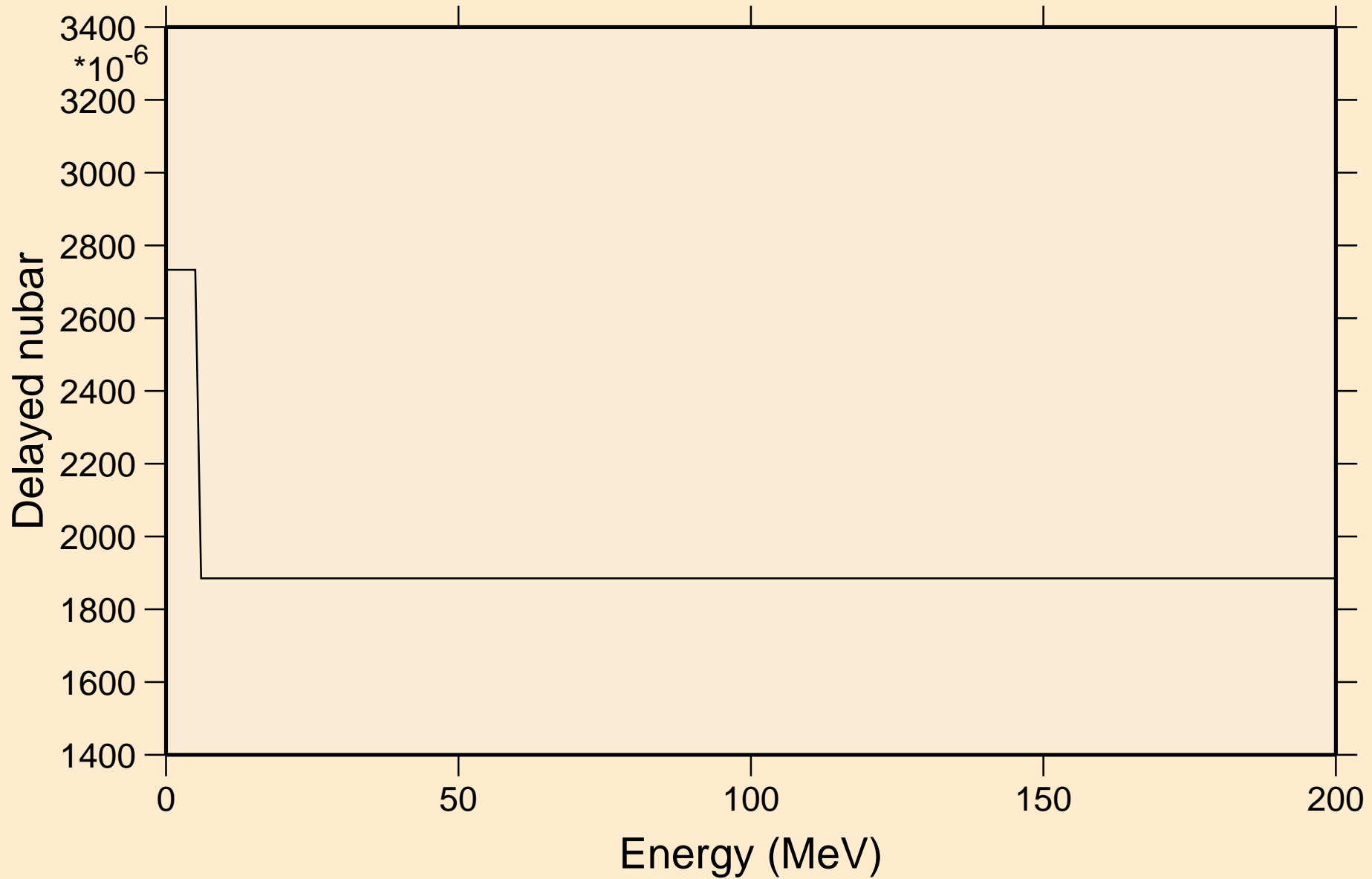


ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*c)



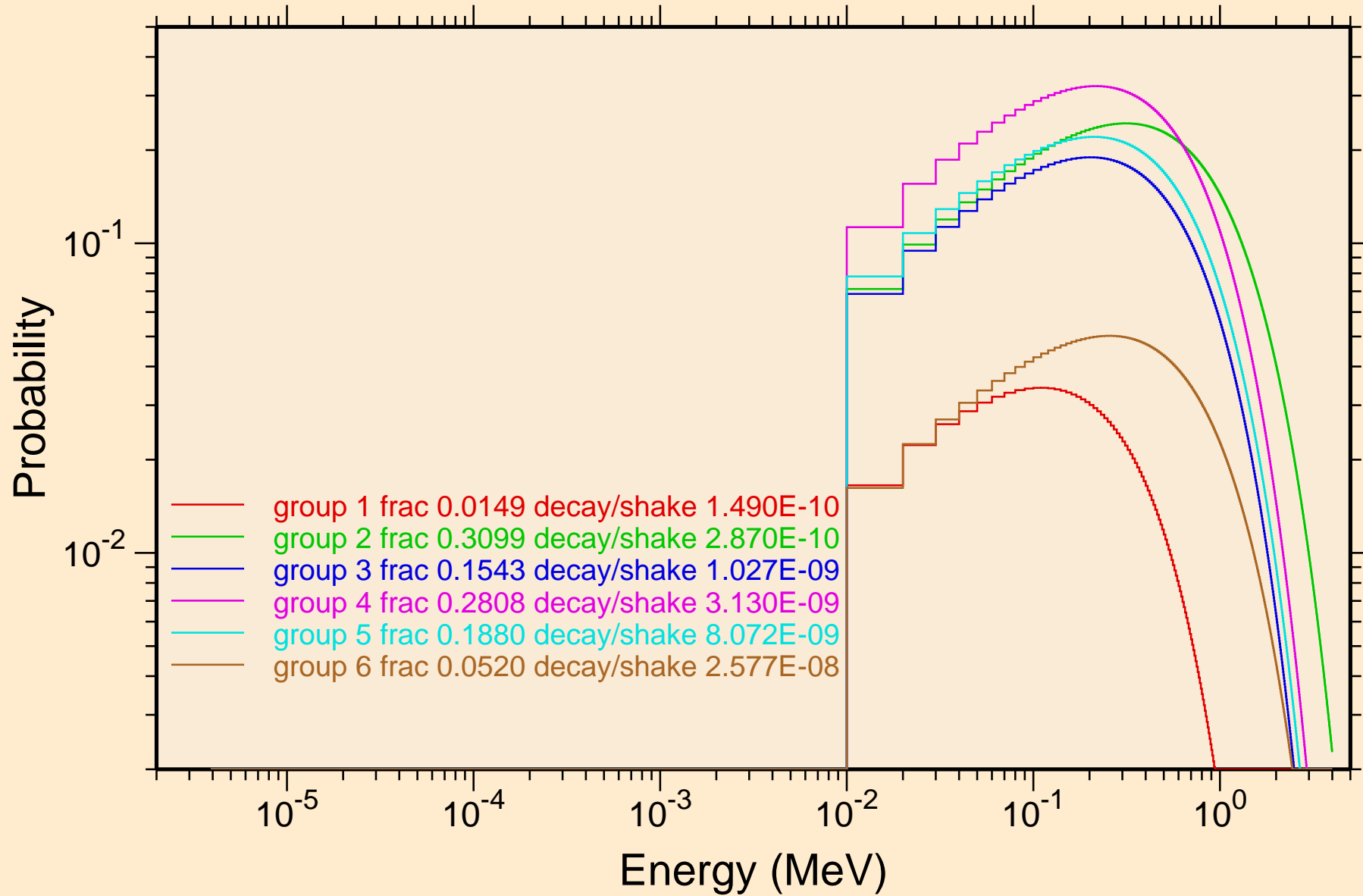
# ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Delayed nubar

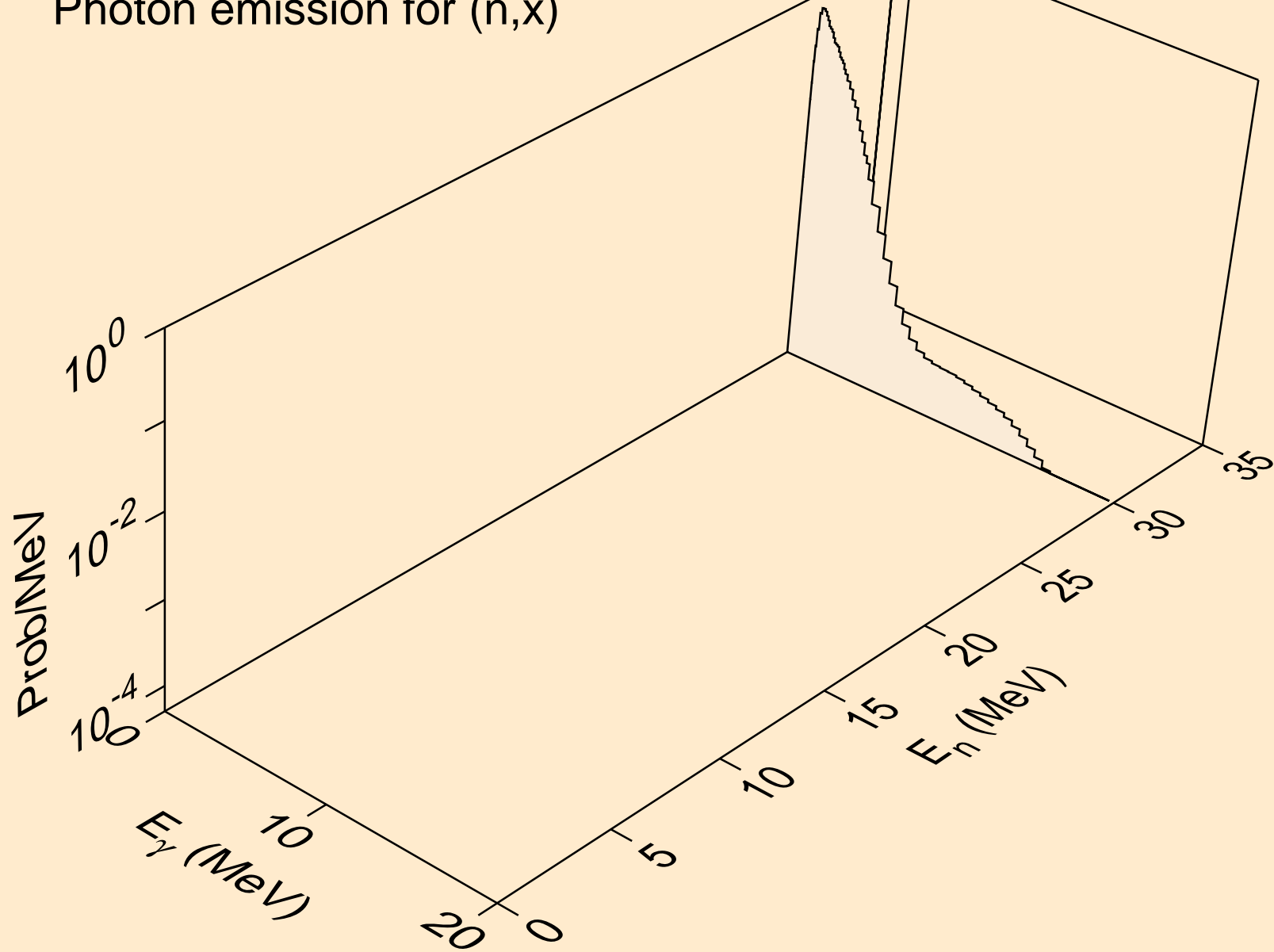


# ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

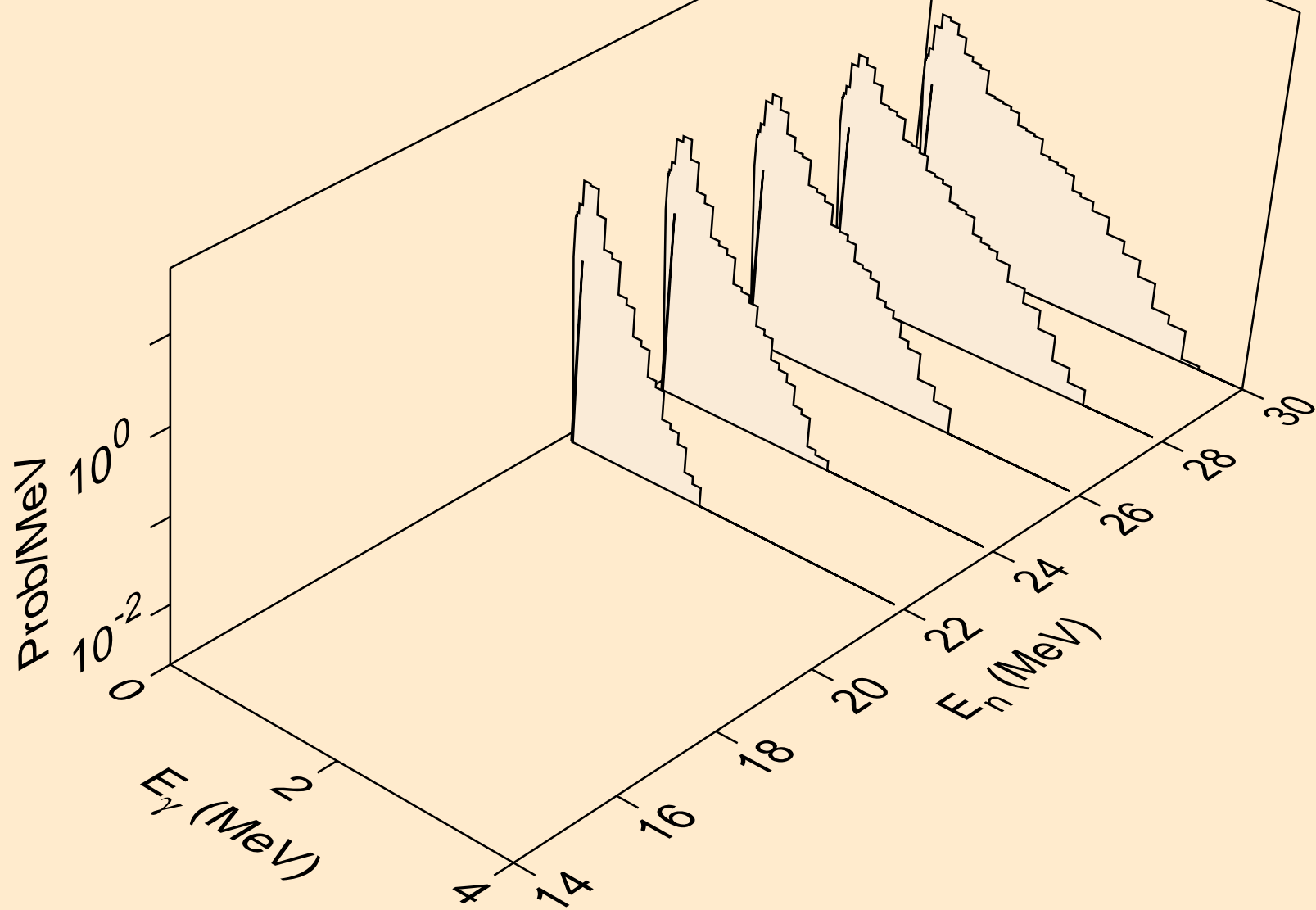
## Delayed neutron spectra



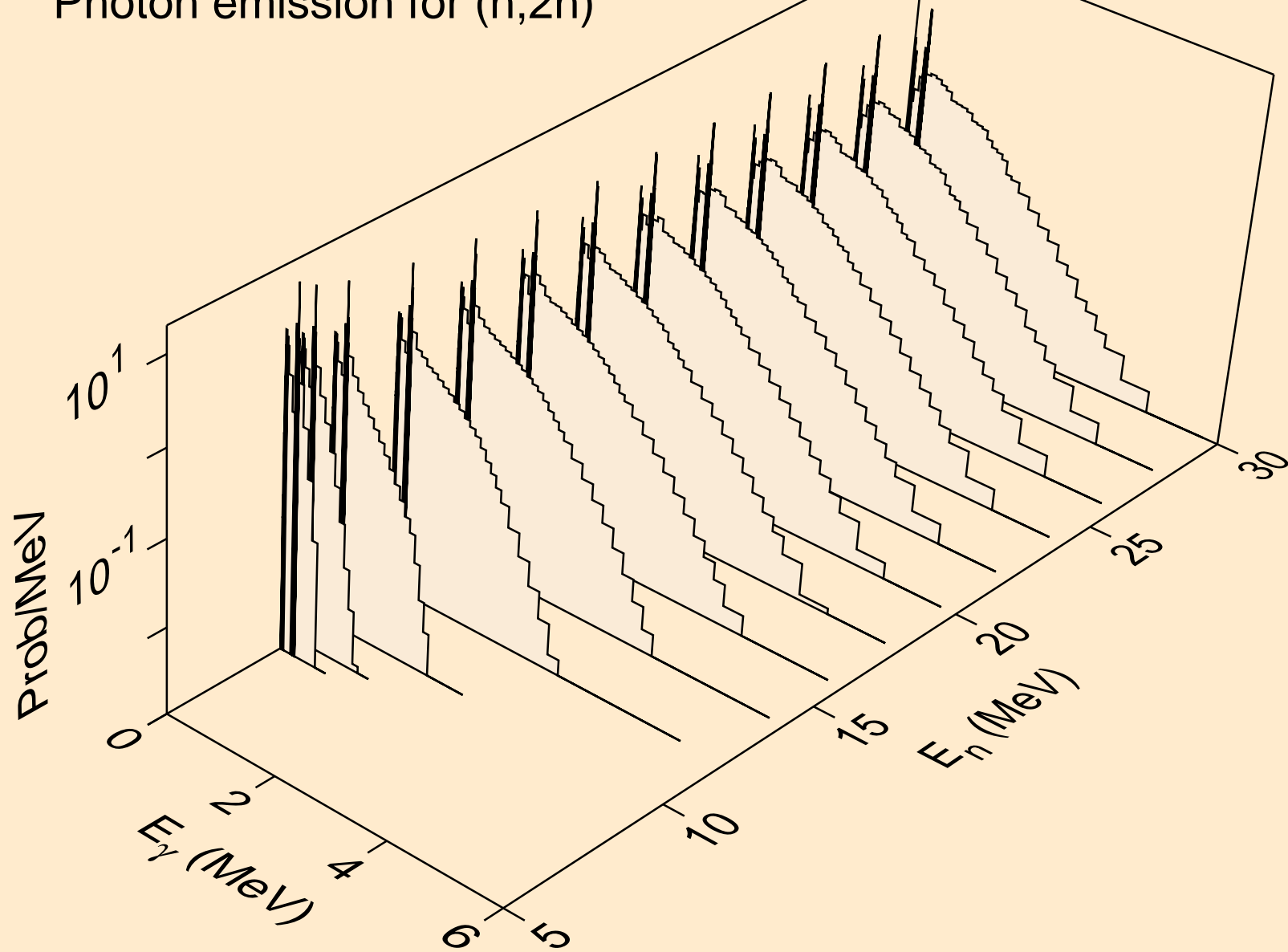
ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,x)



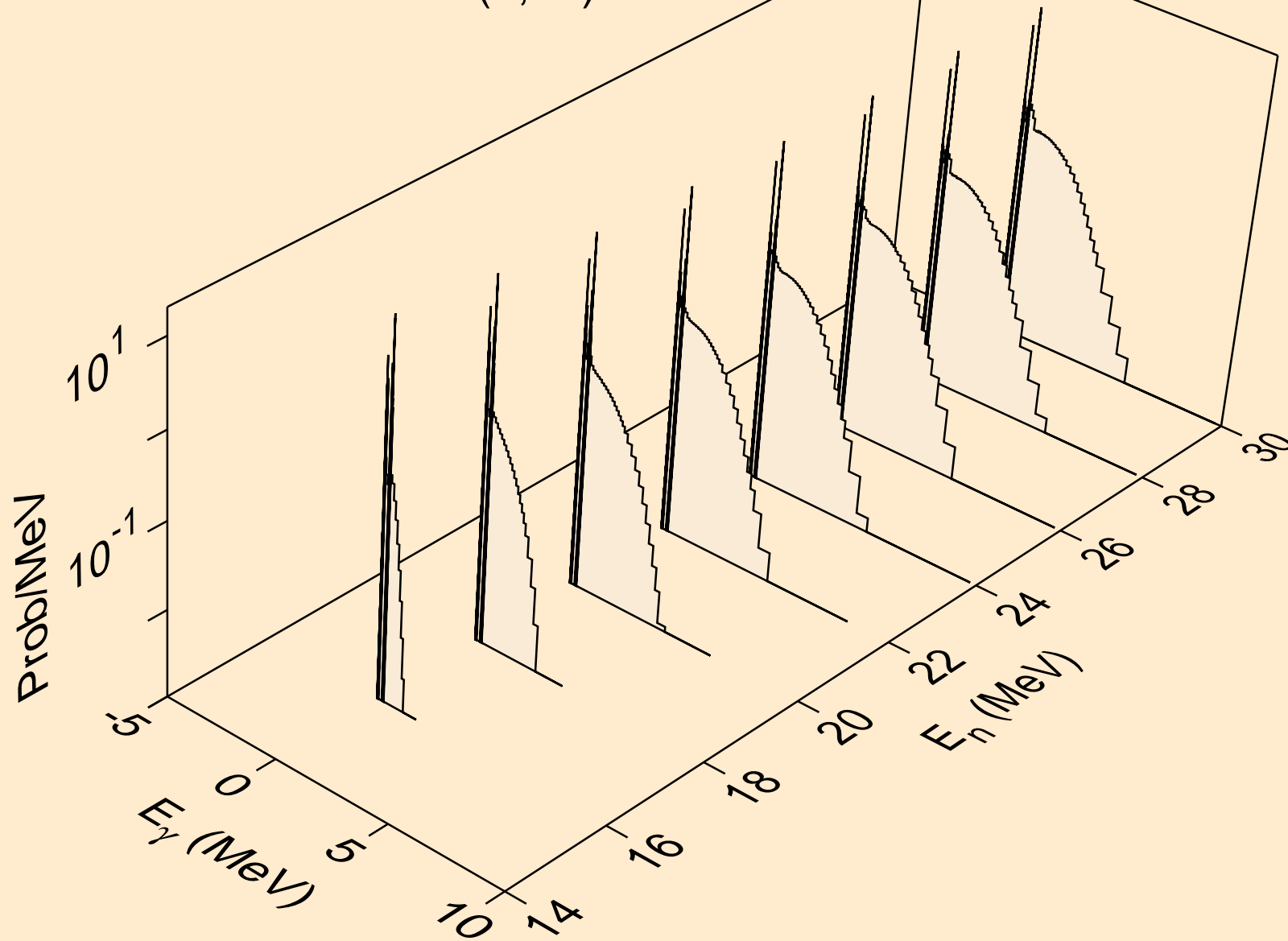
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Photon emission for (n,2nd)



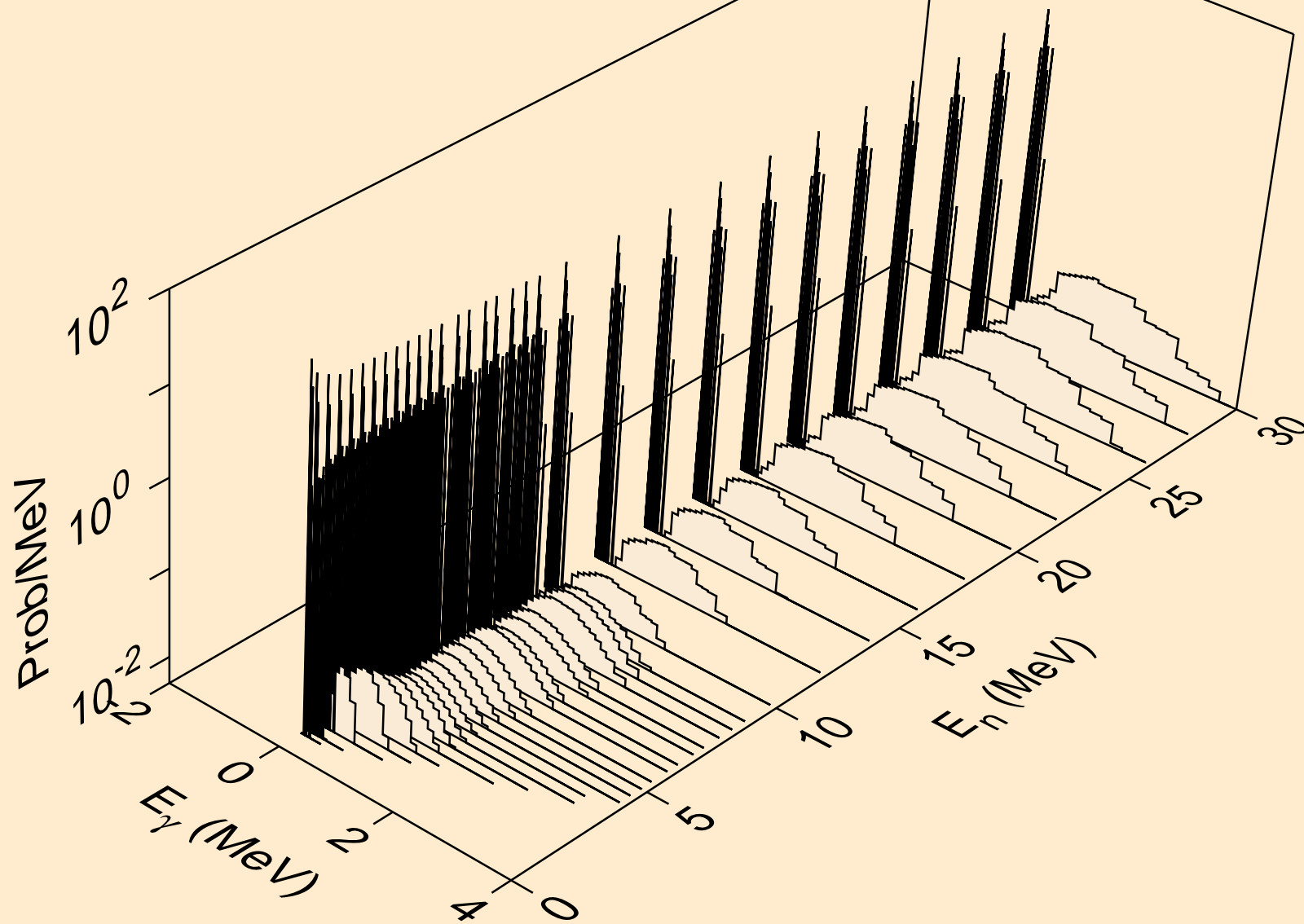
ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2n)



ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3n)

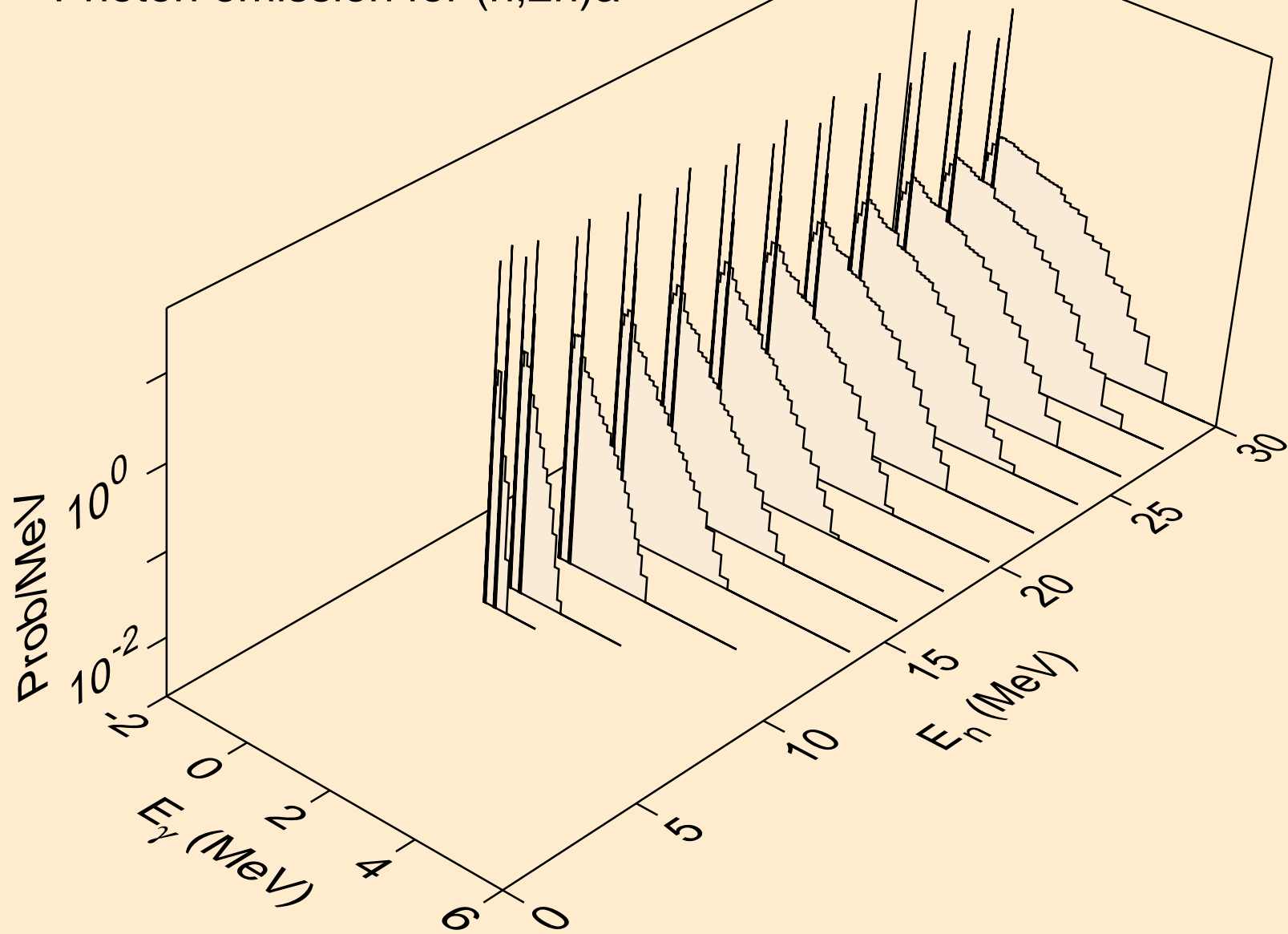


ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)a

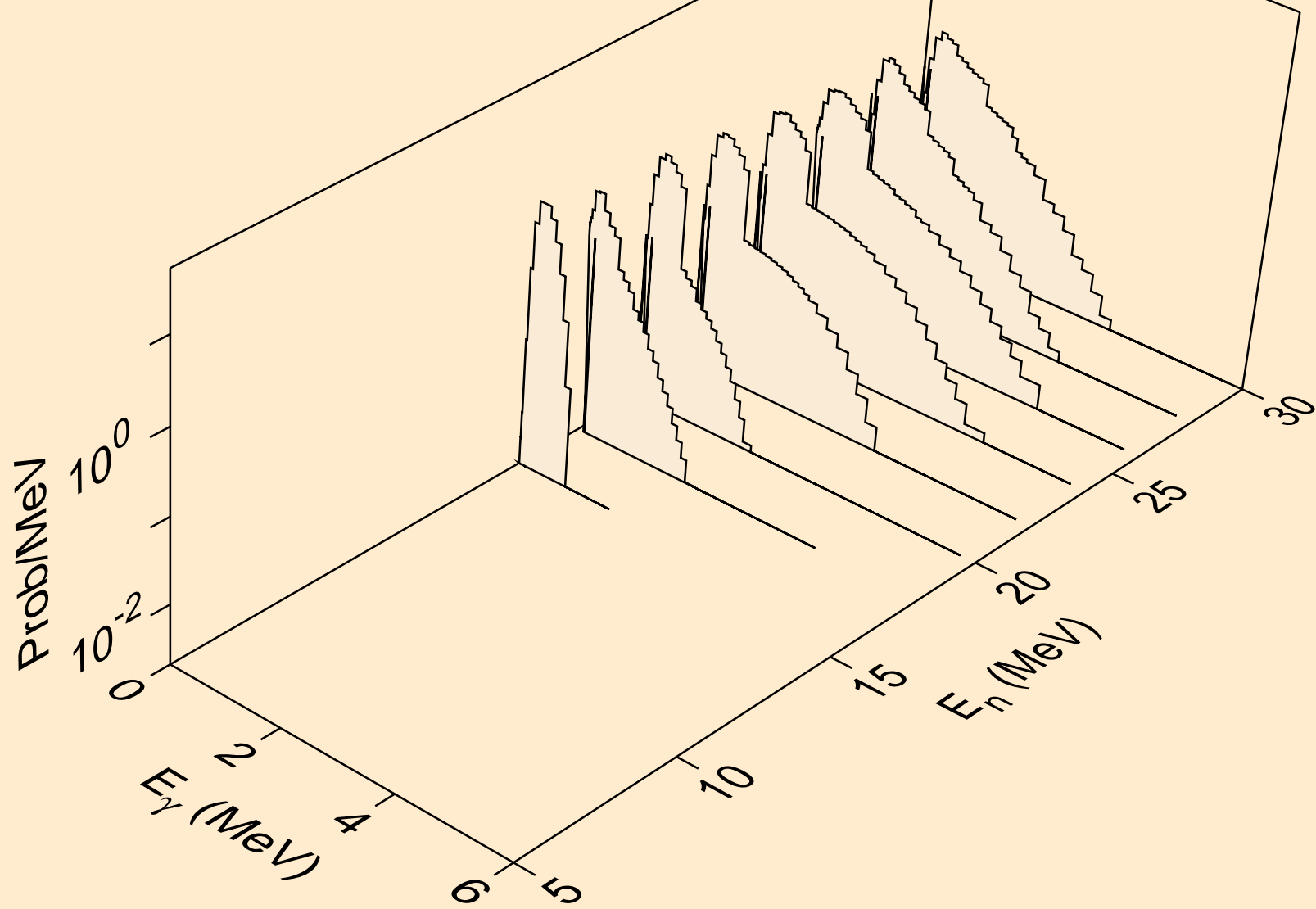




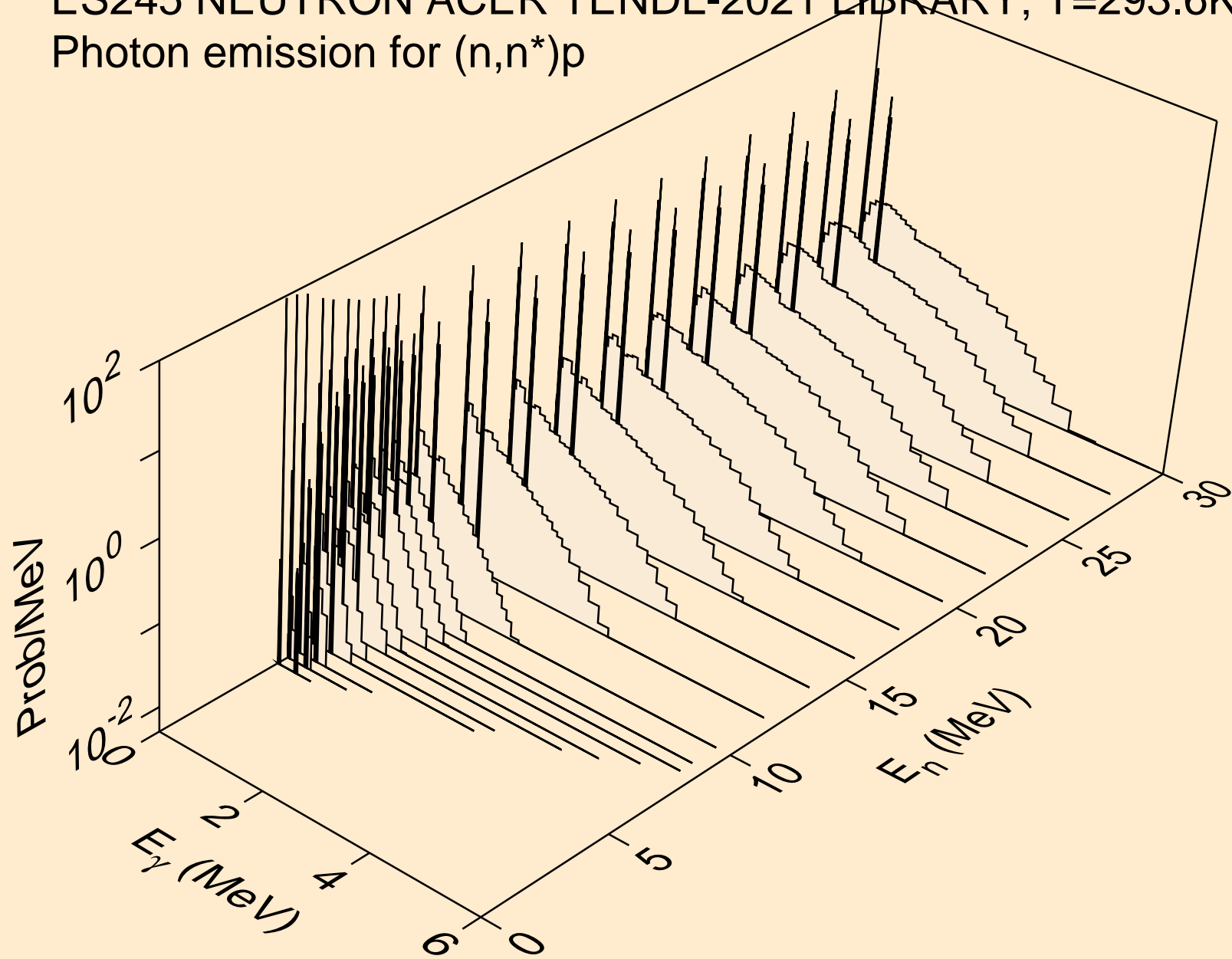
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Photon emission for (n,2n)a



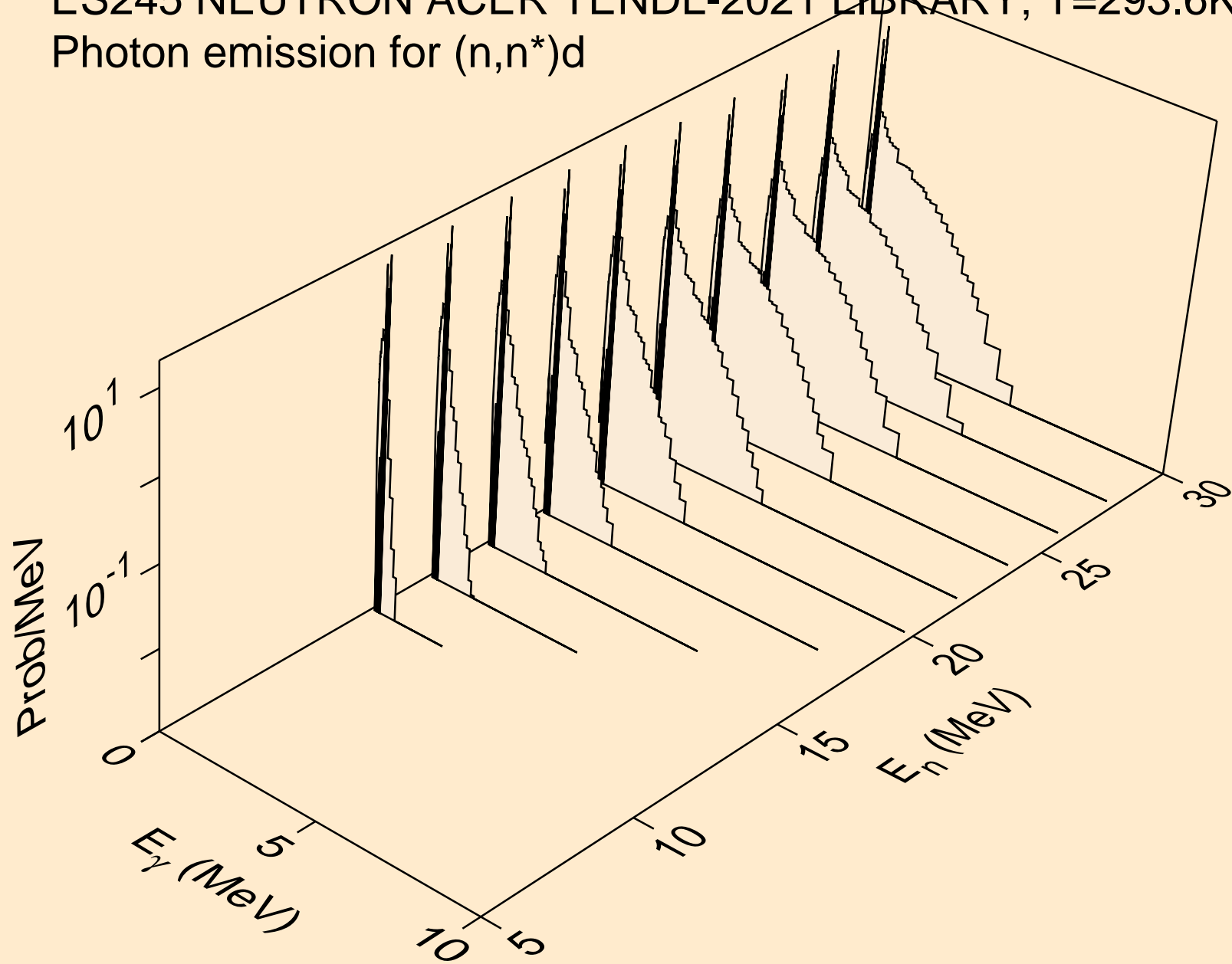
ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3n)a



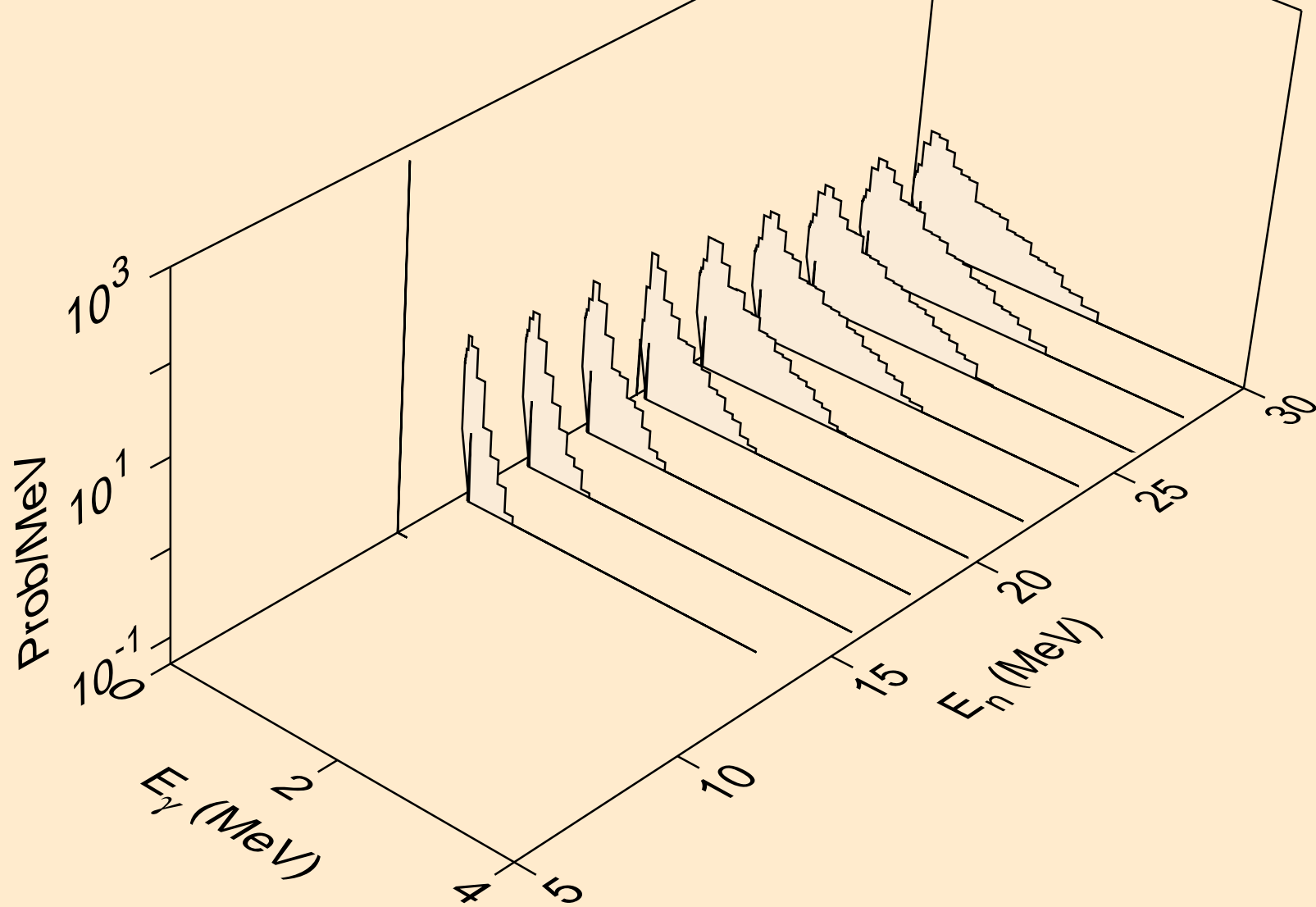
ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)p



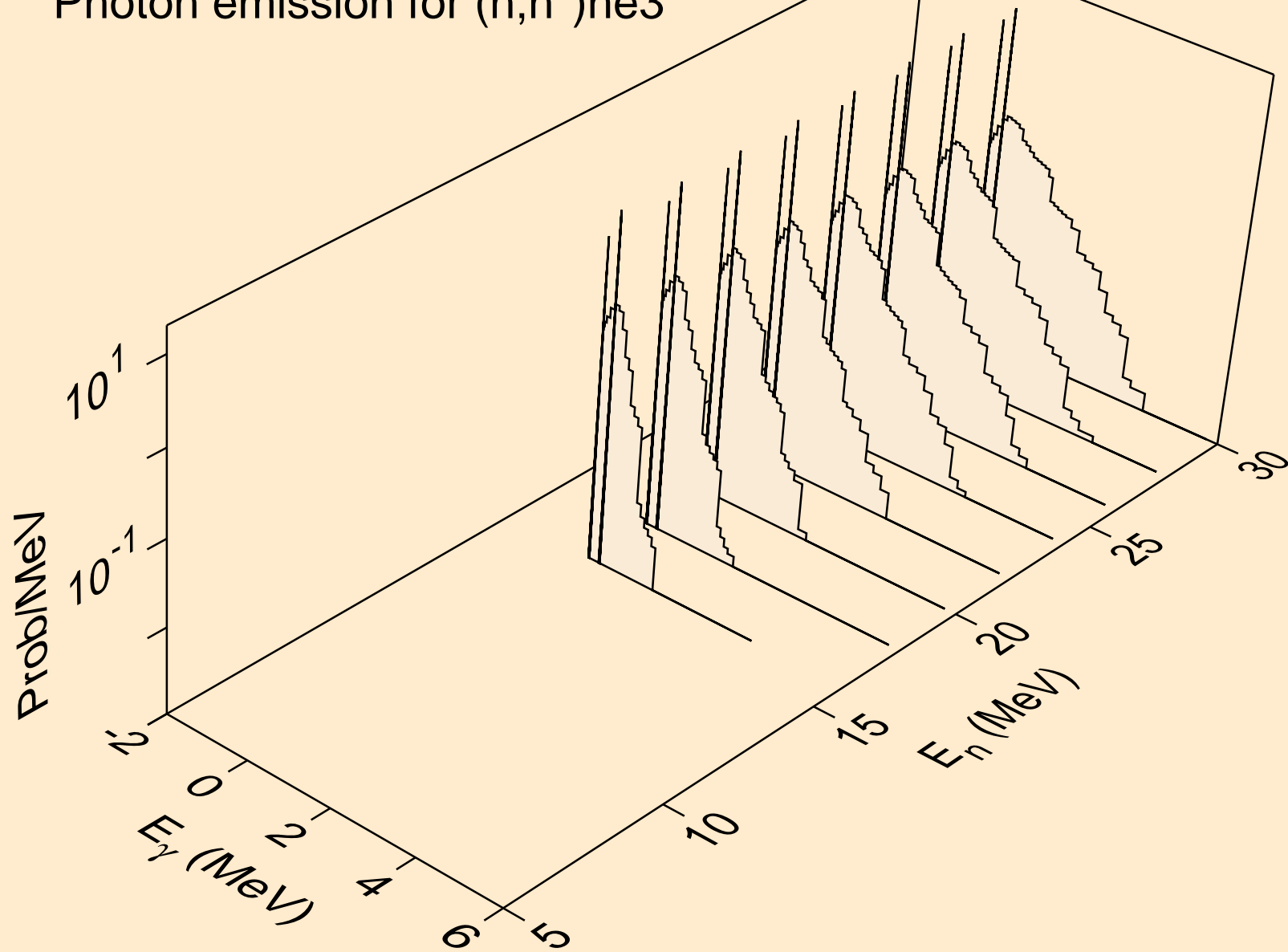
ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)d



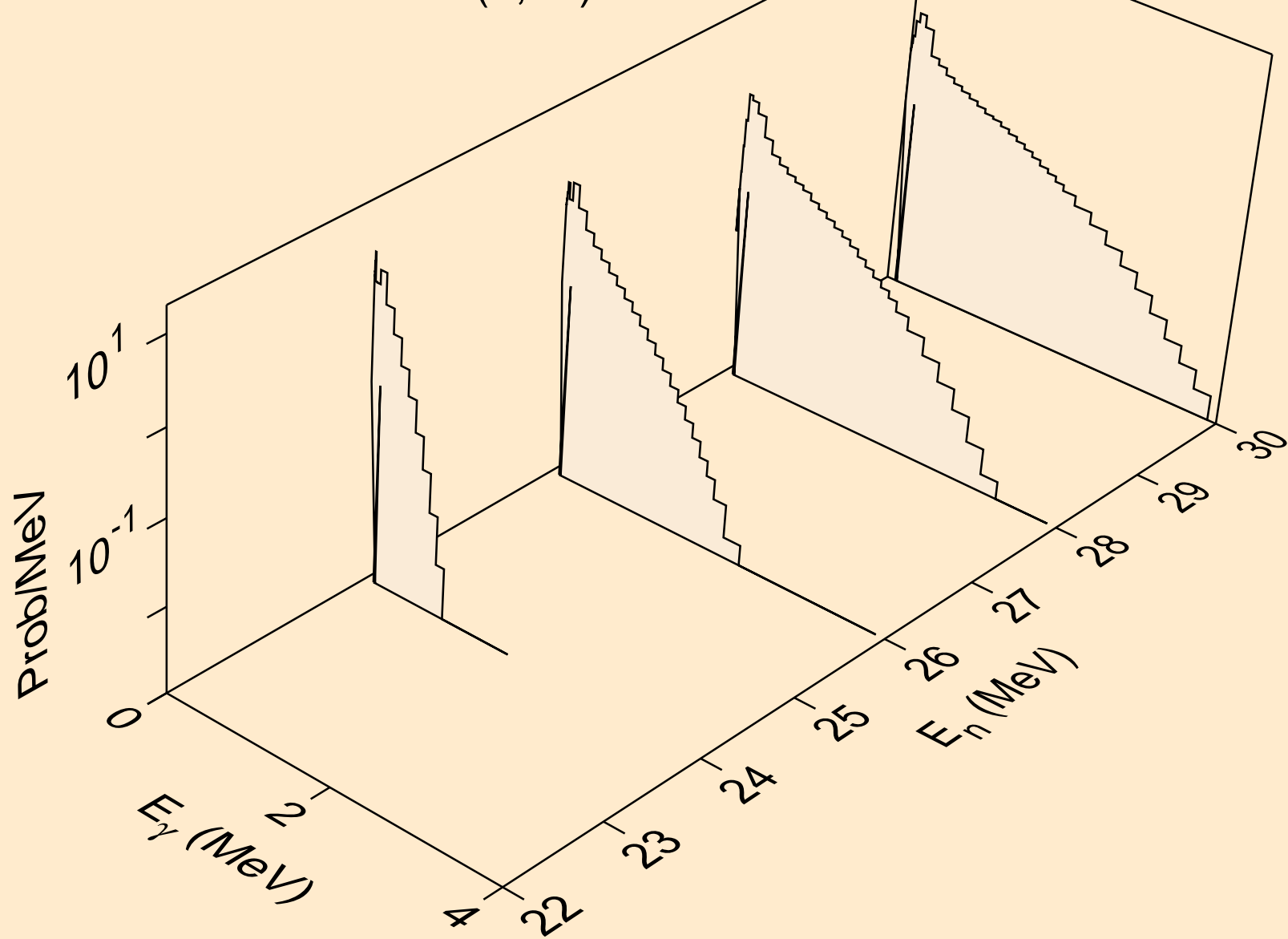
ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)t



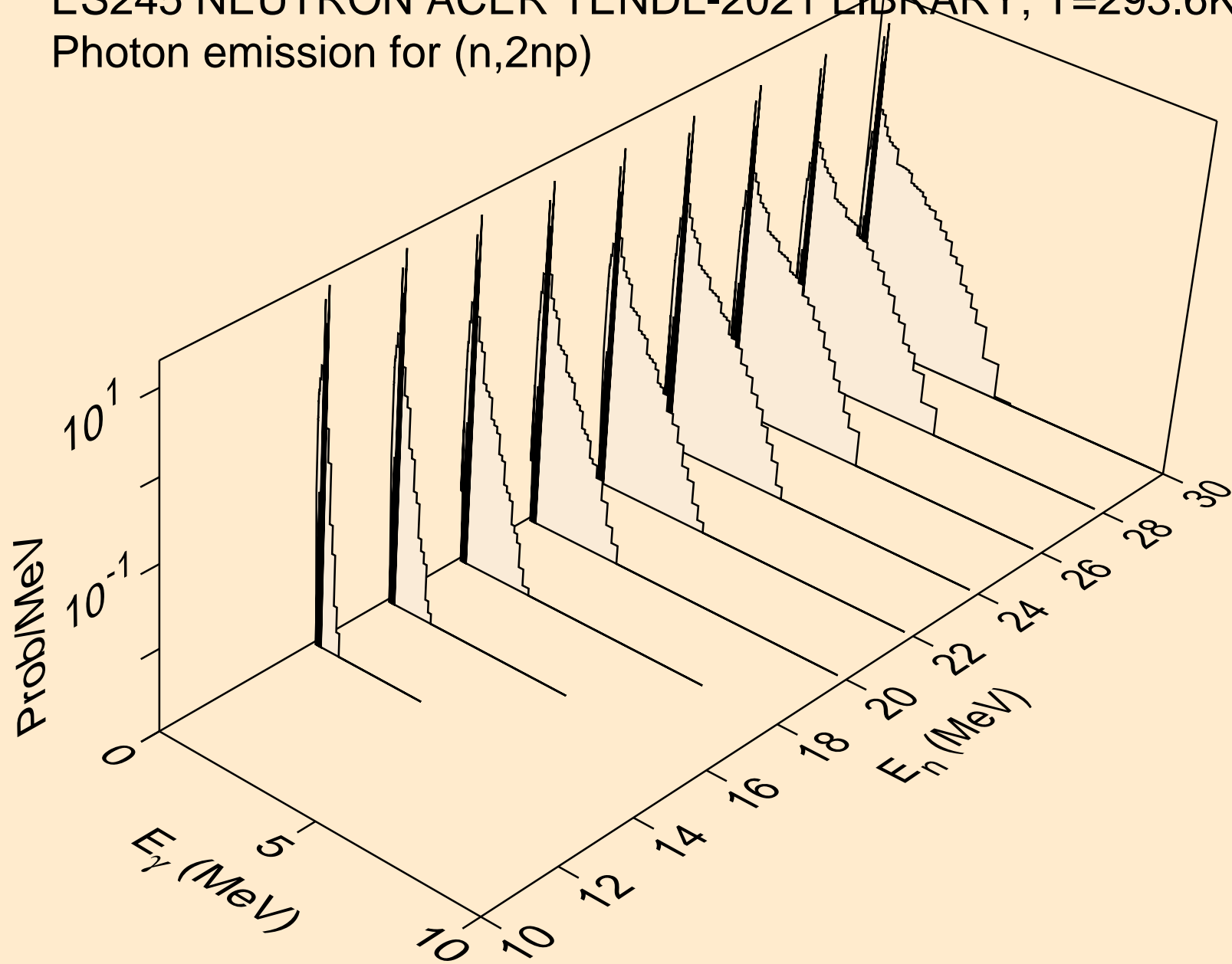
ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)he3



ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,4n)

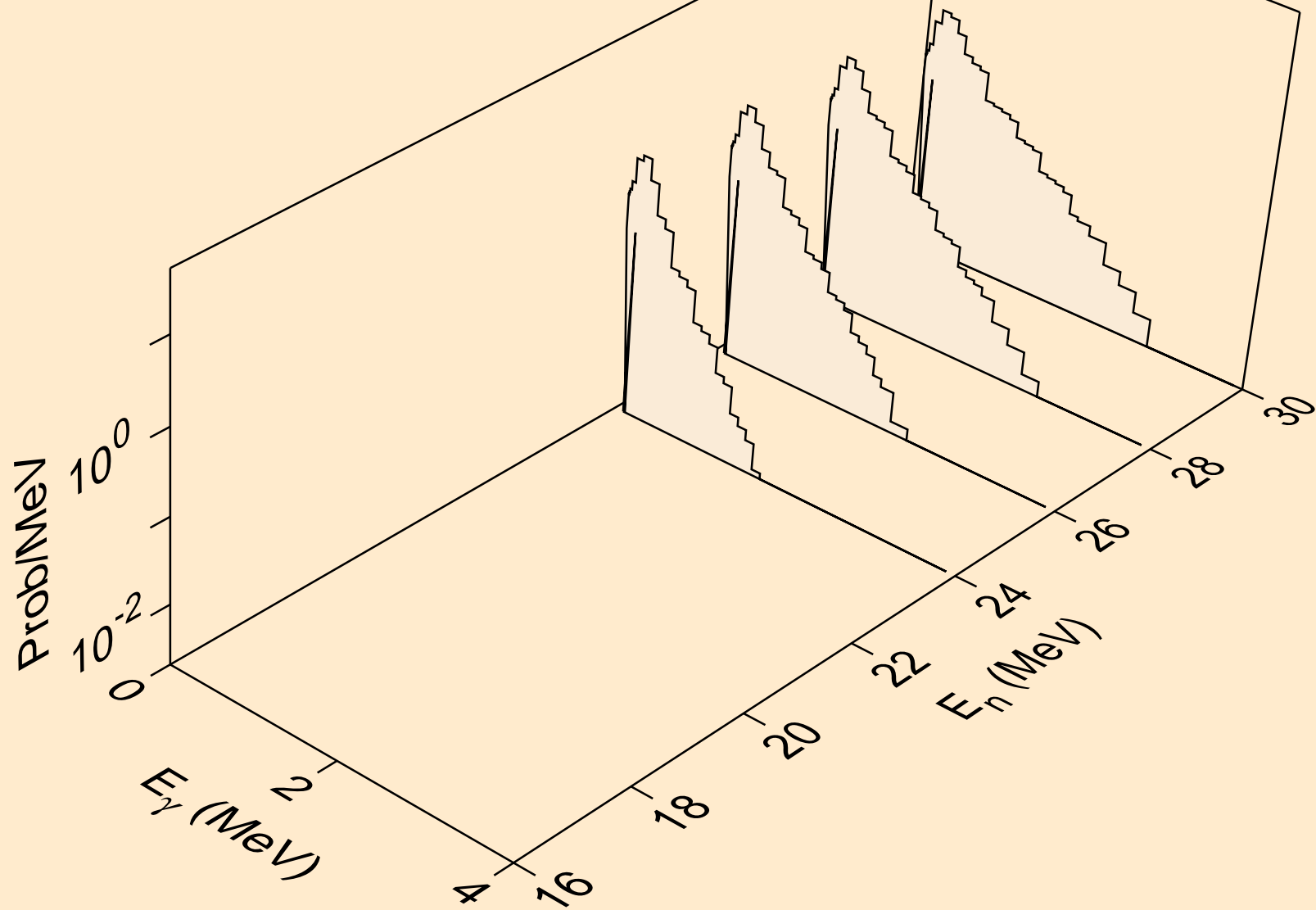


ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2np)

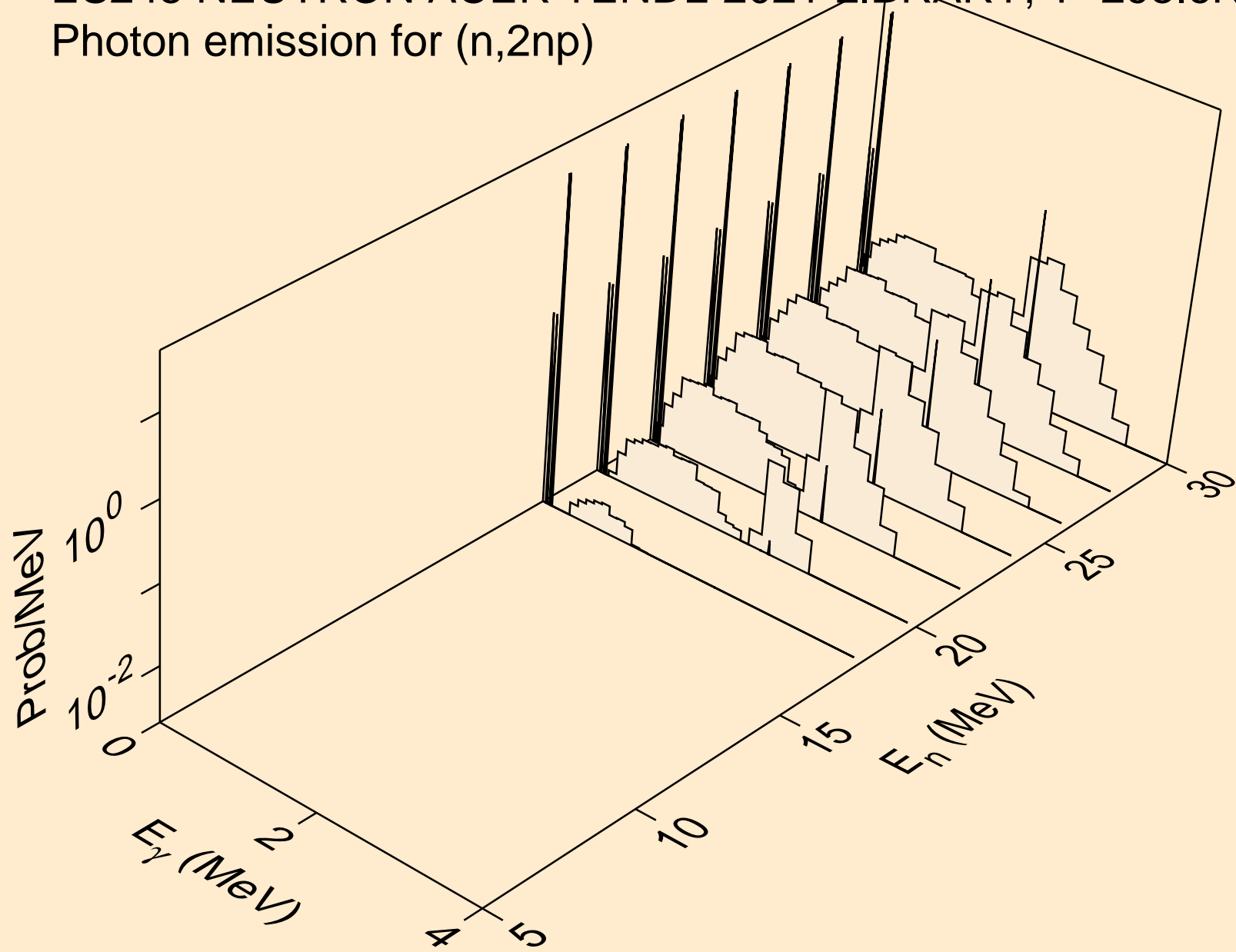




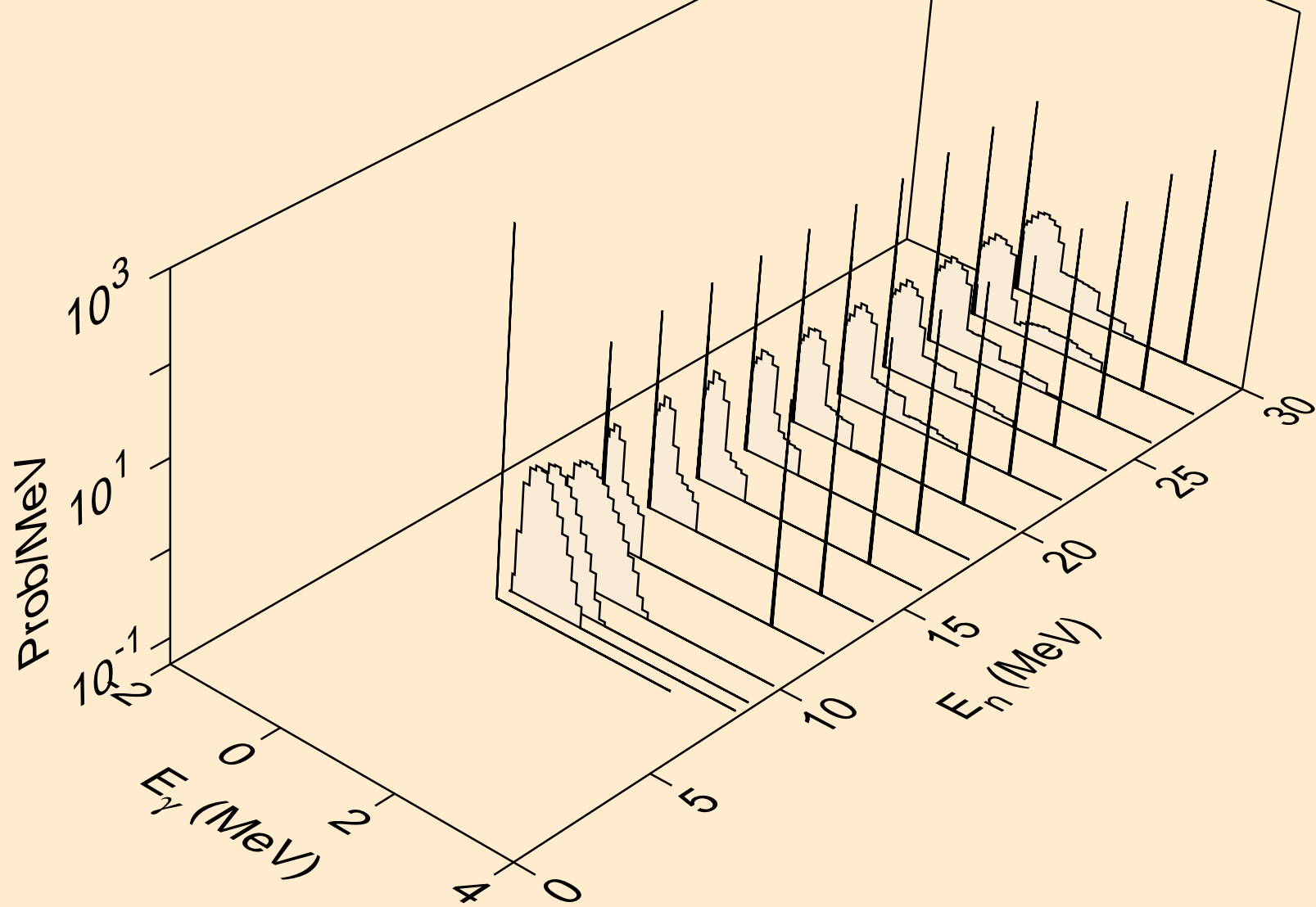
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Photon emission for (n,3np)



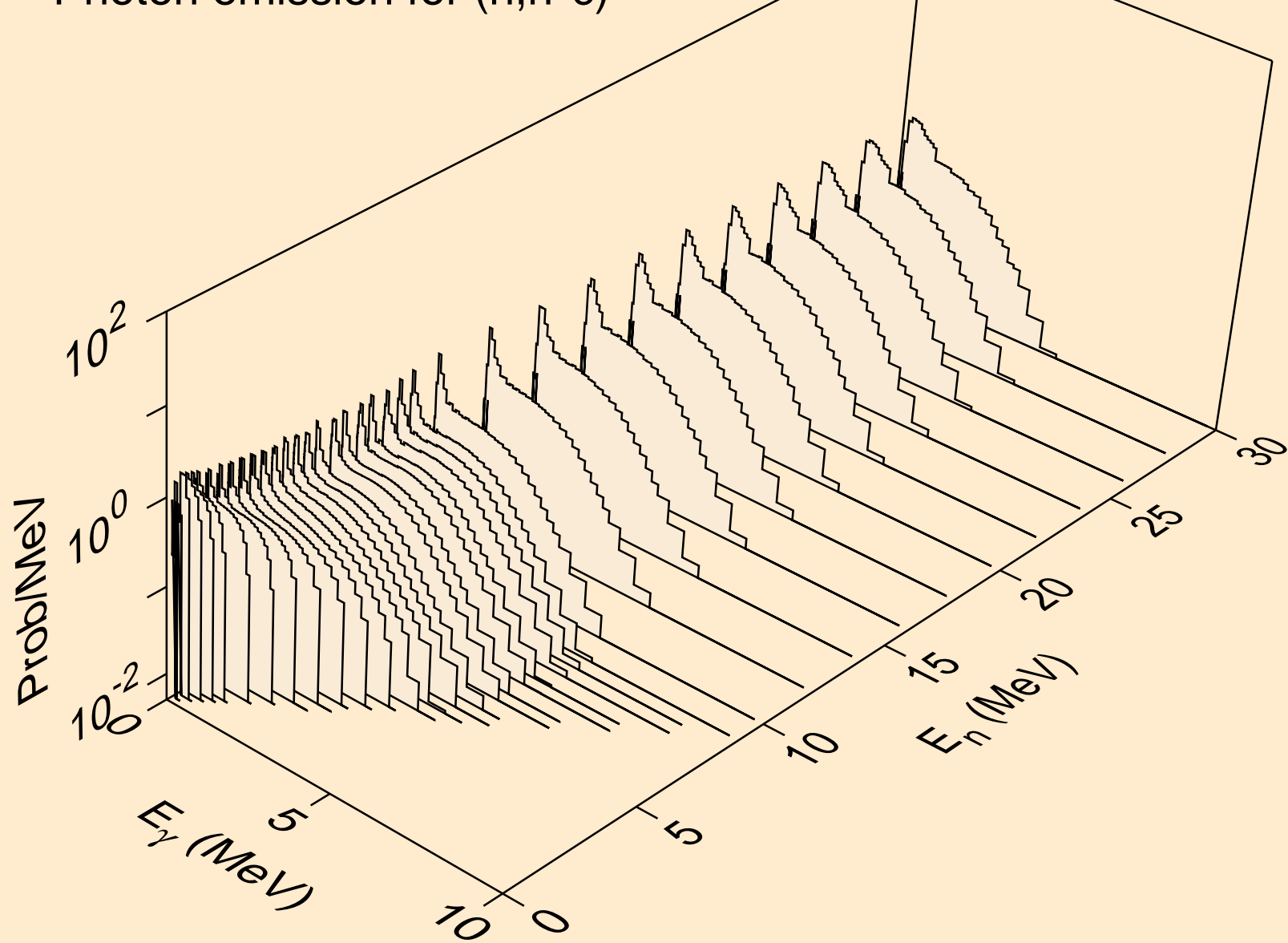
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Photon emission for (n,2np)



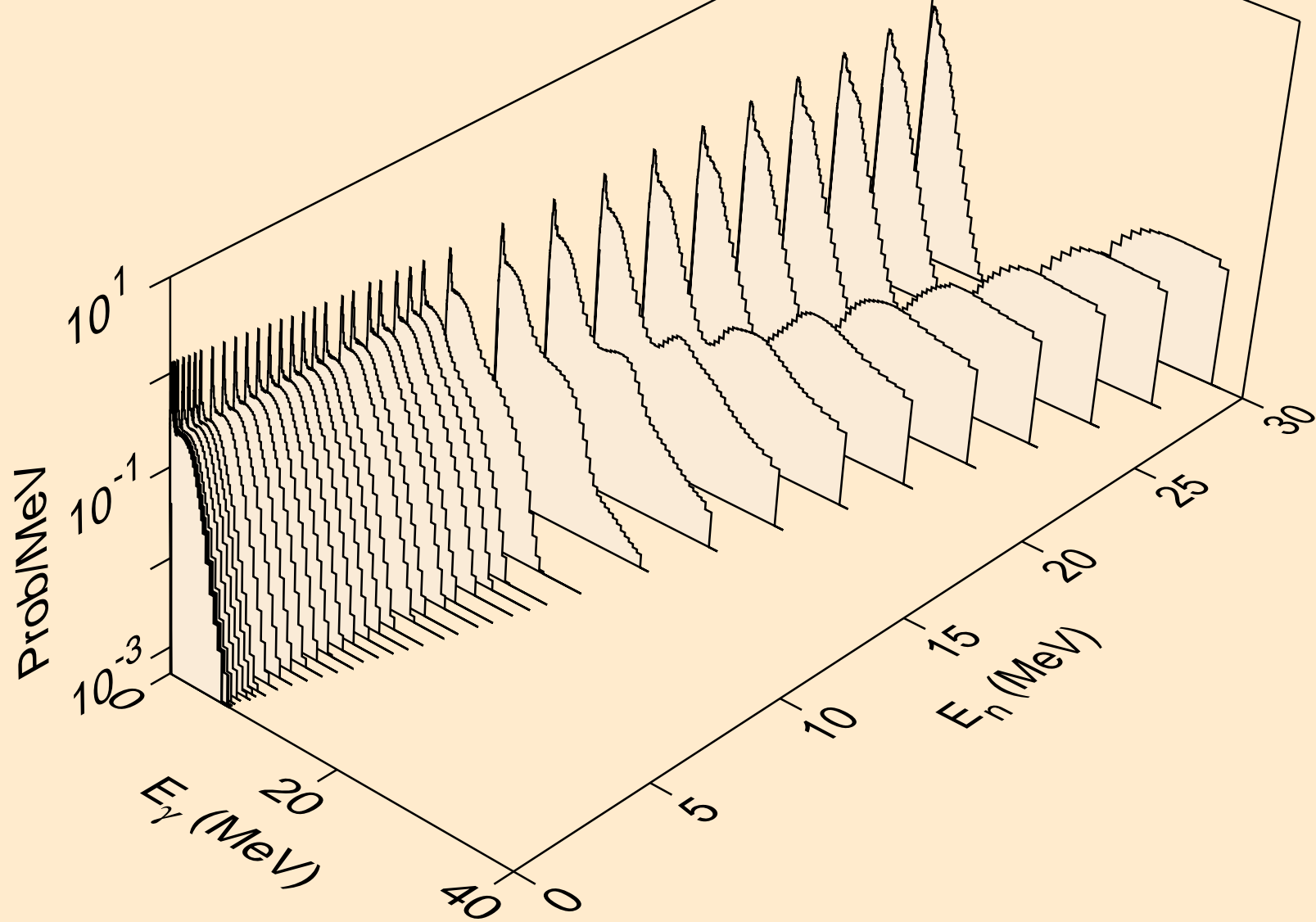
ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,npa)



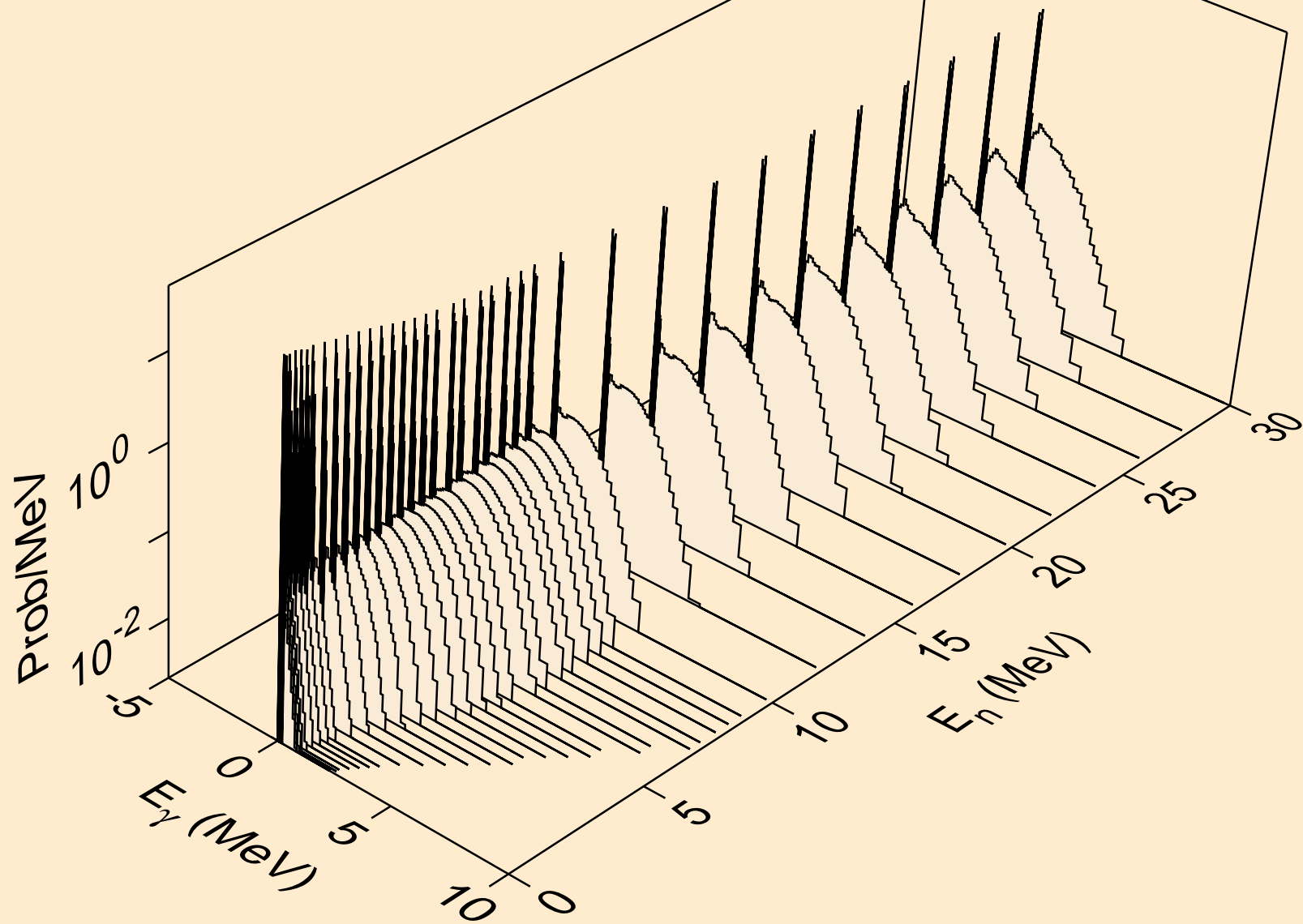
ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*c)



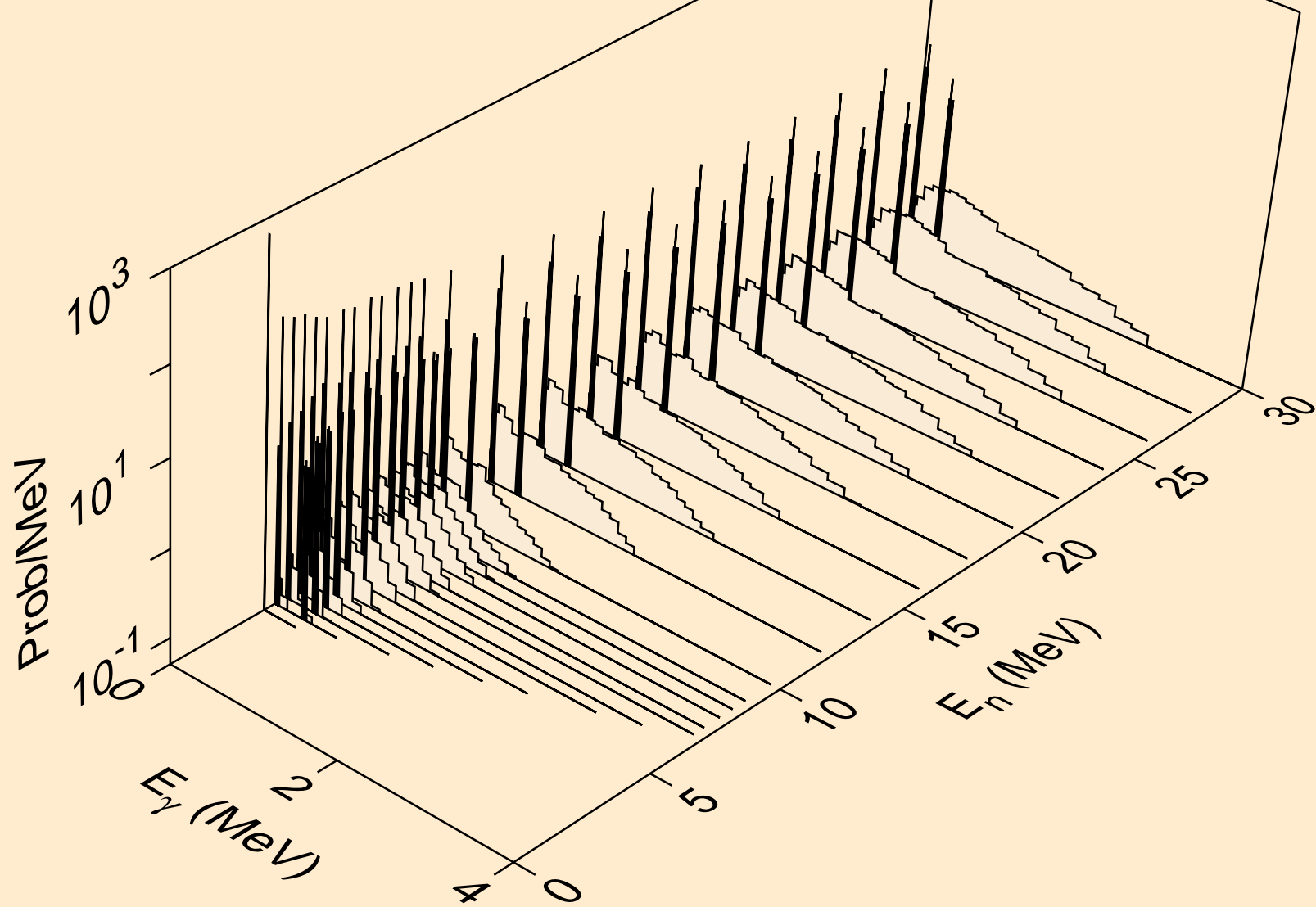
ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,gma)



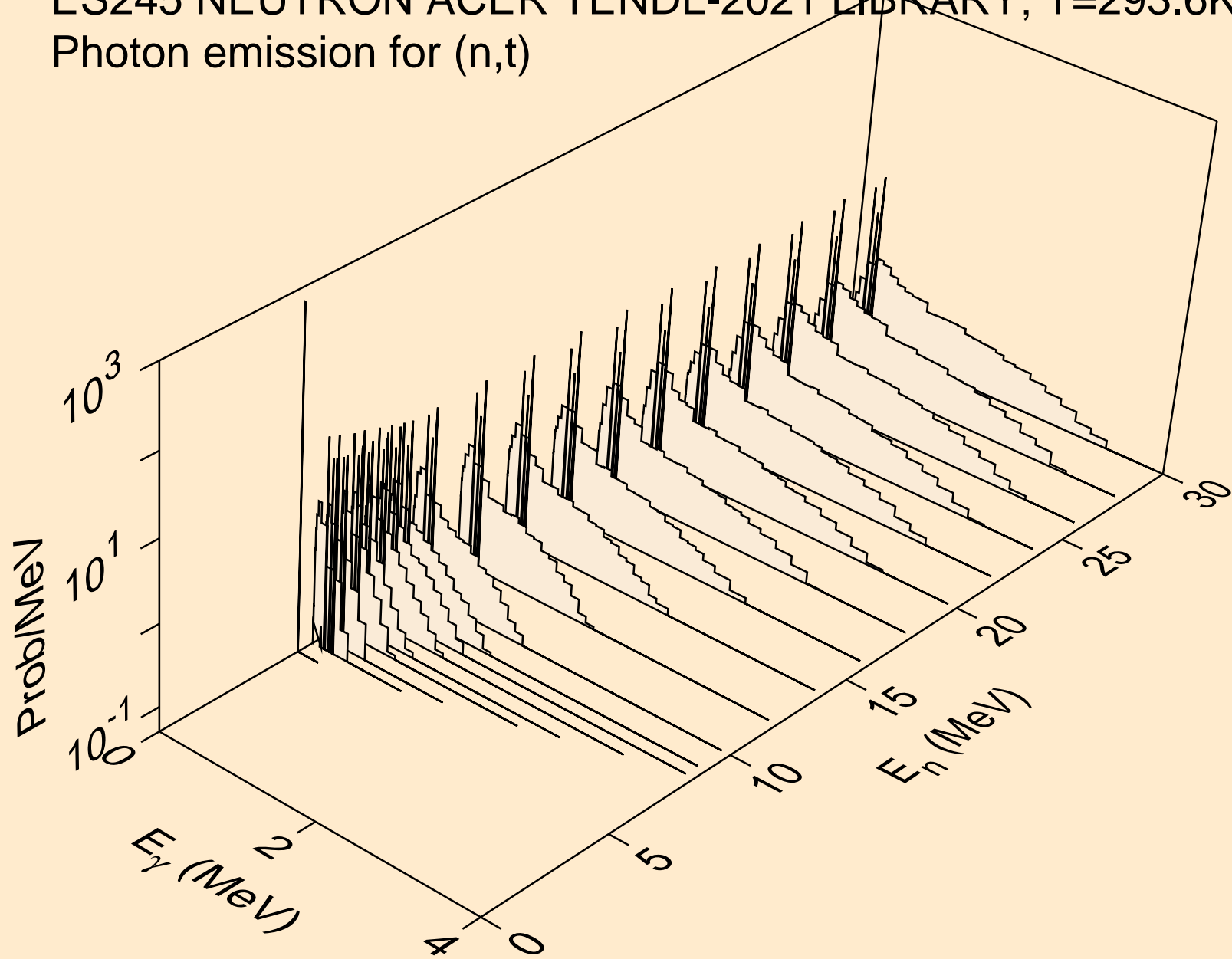
ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,p)



ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,d)

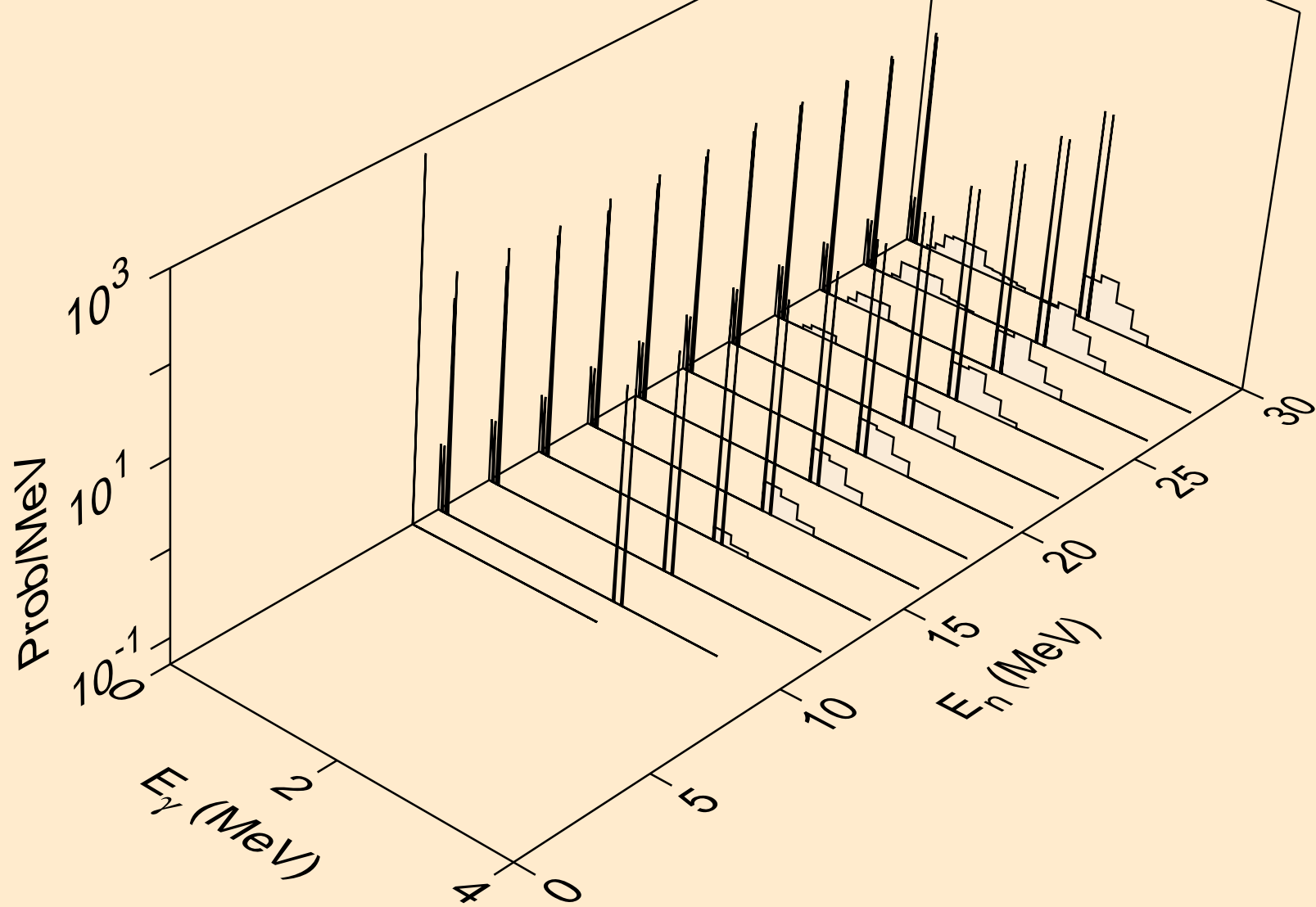


ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,t)

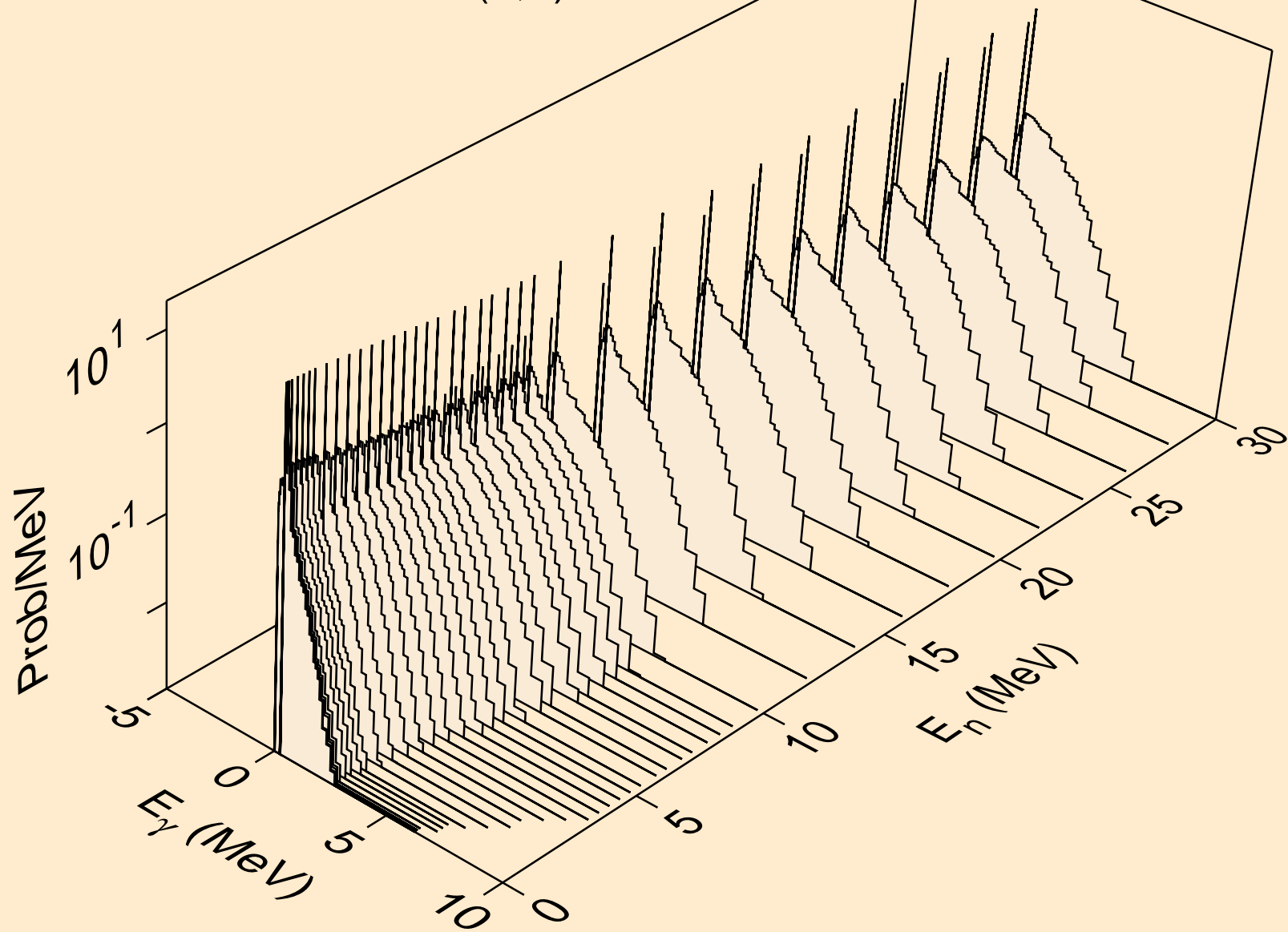




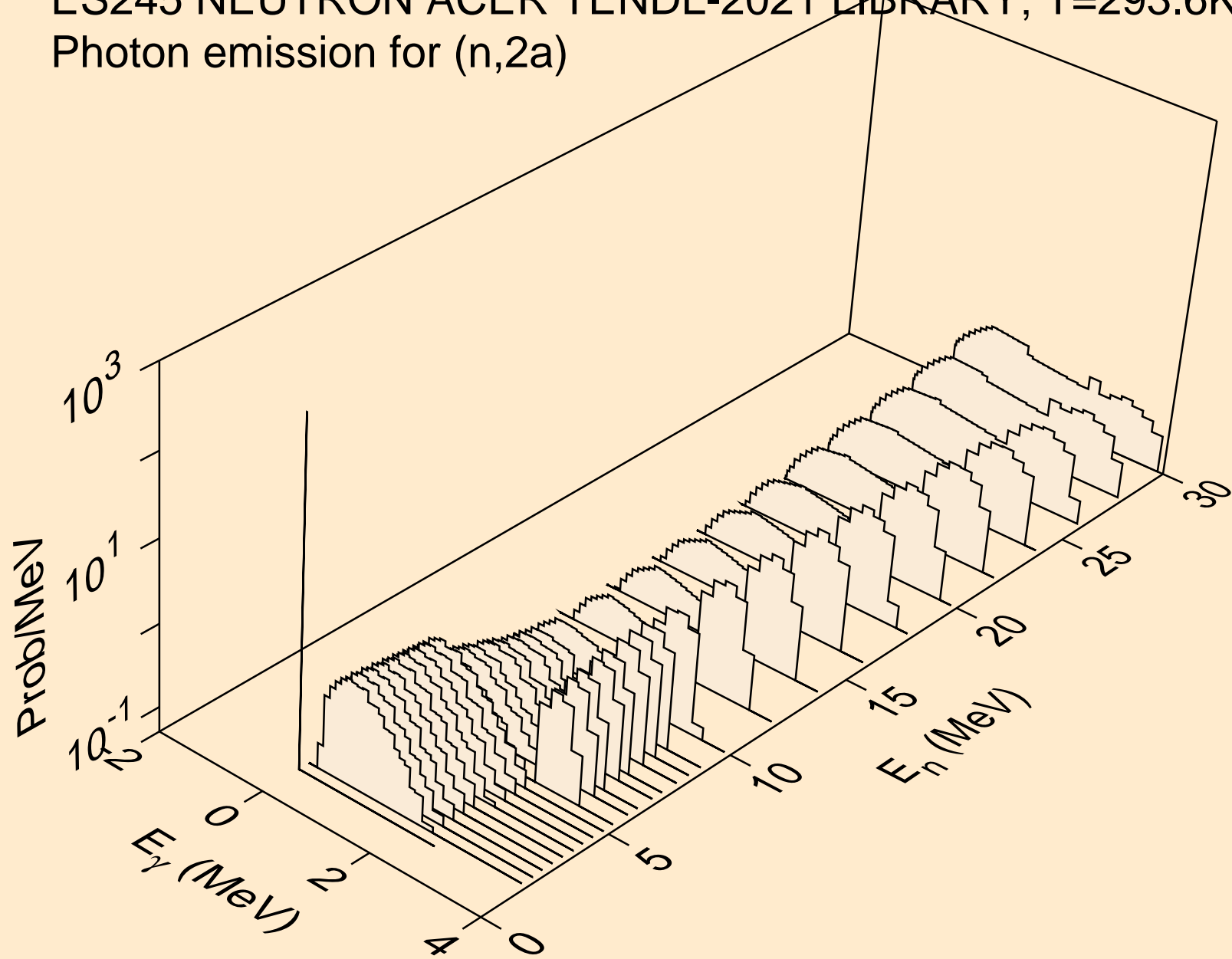
ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,he3)



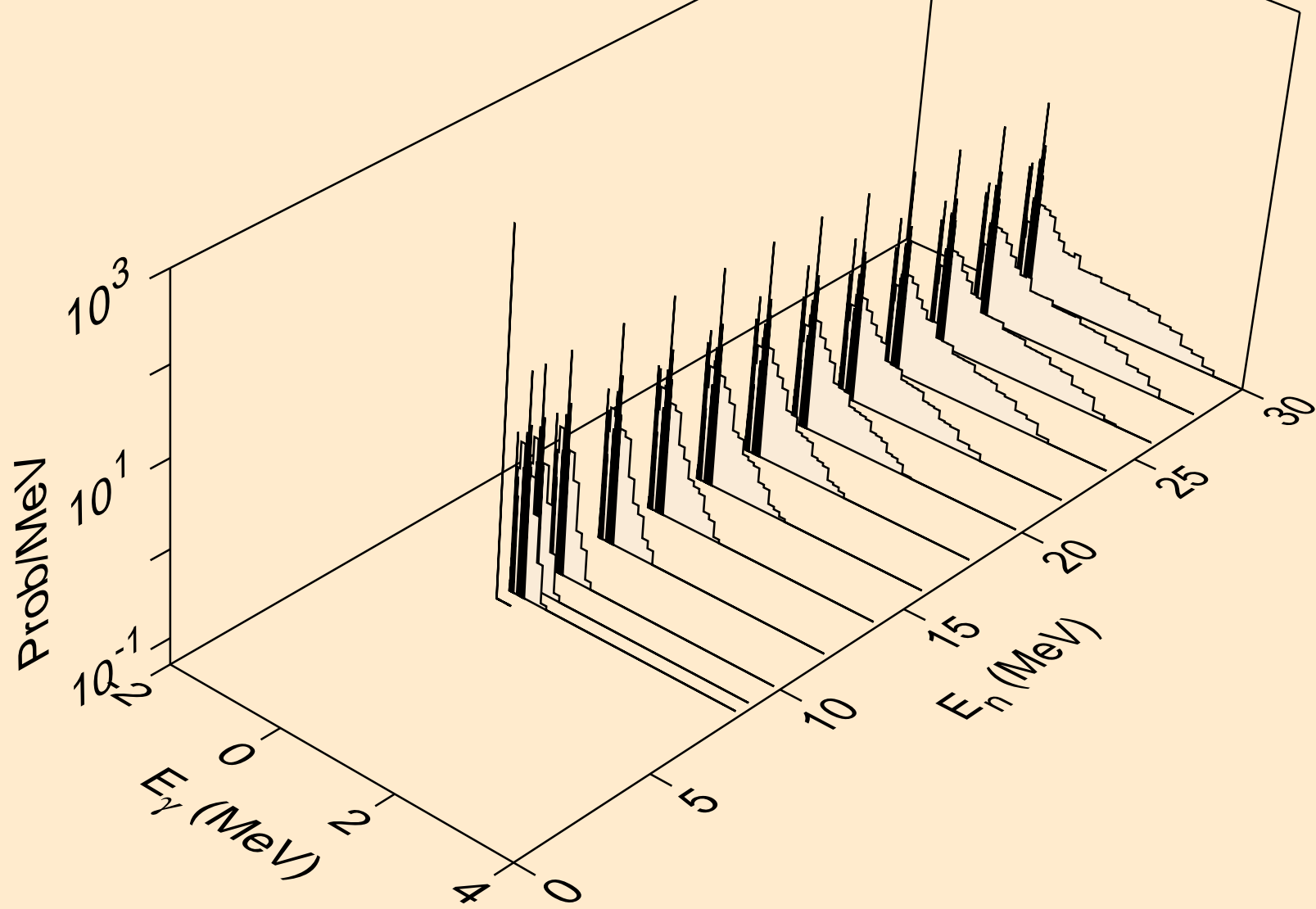
ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,a)



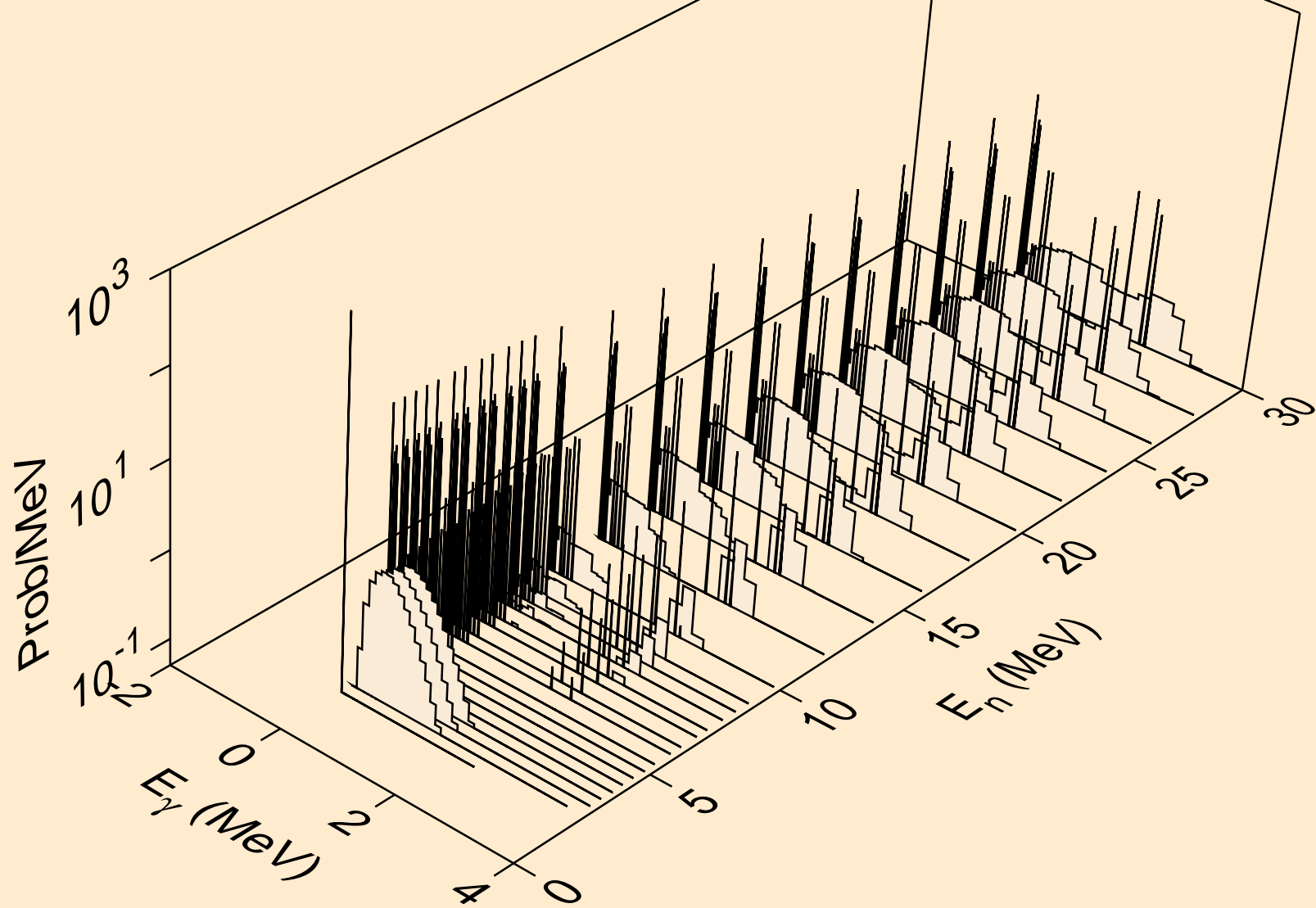
ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2a)



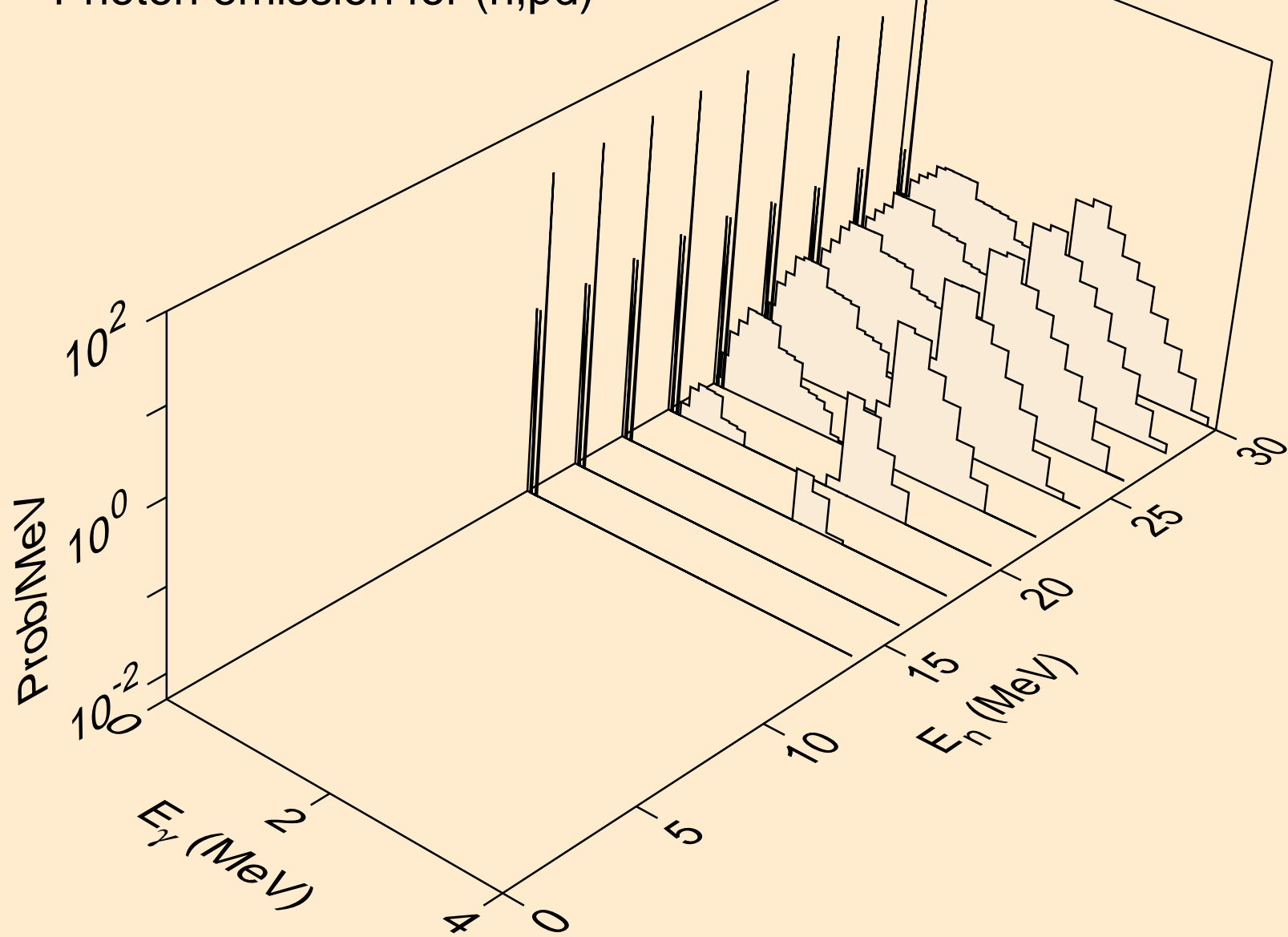
ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2p)



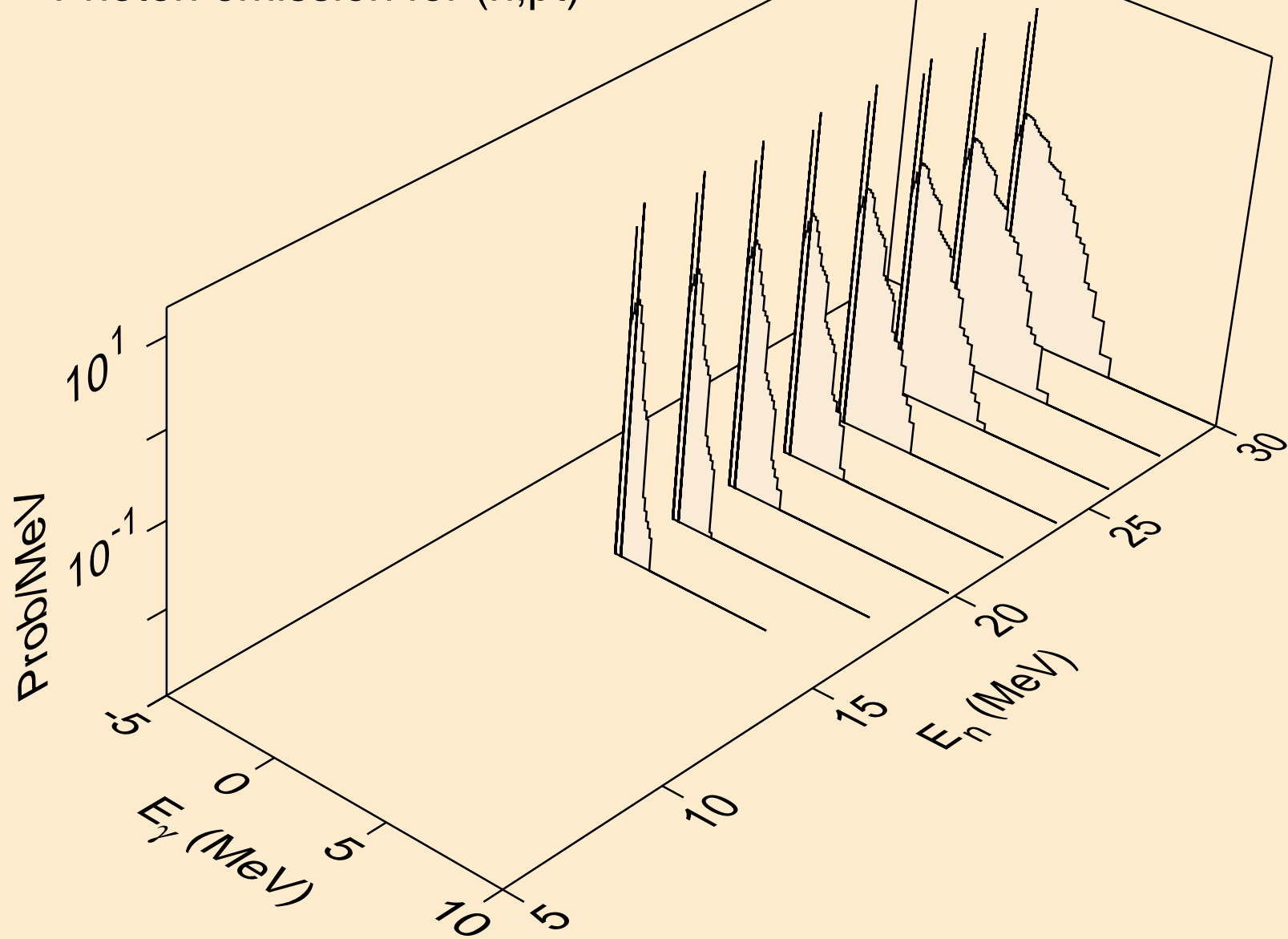
ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,p)



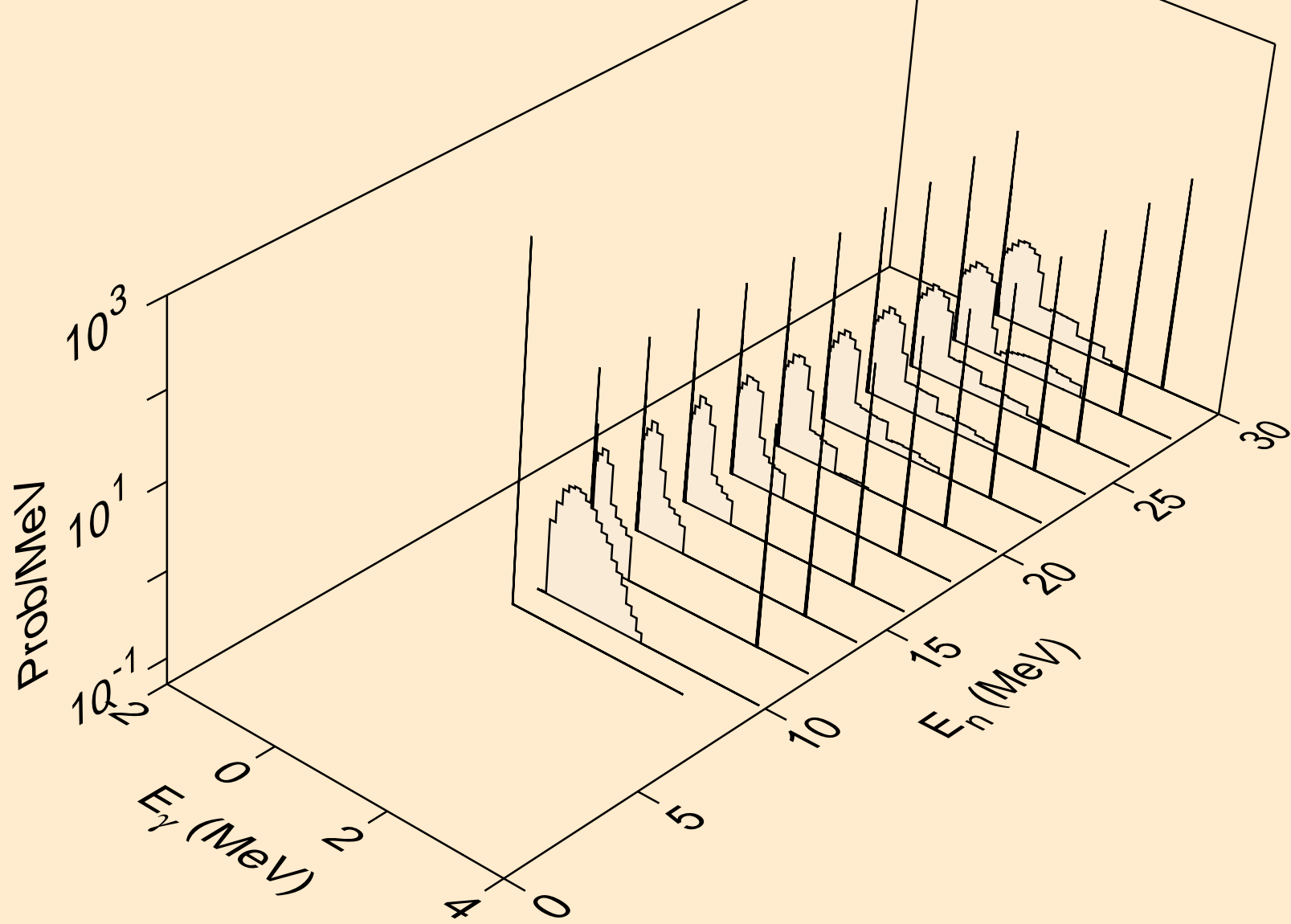
ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,pd)



ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,pt)

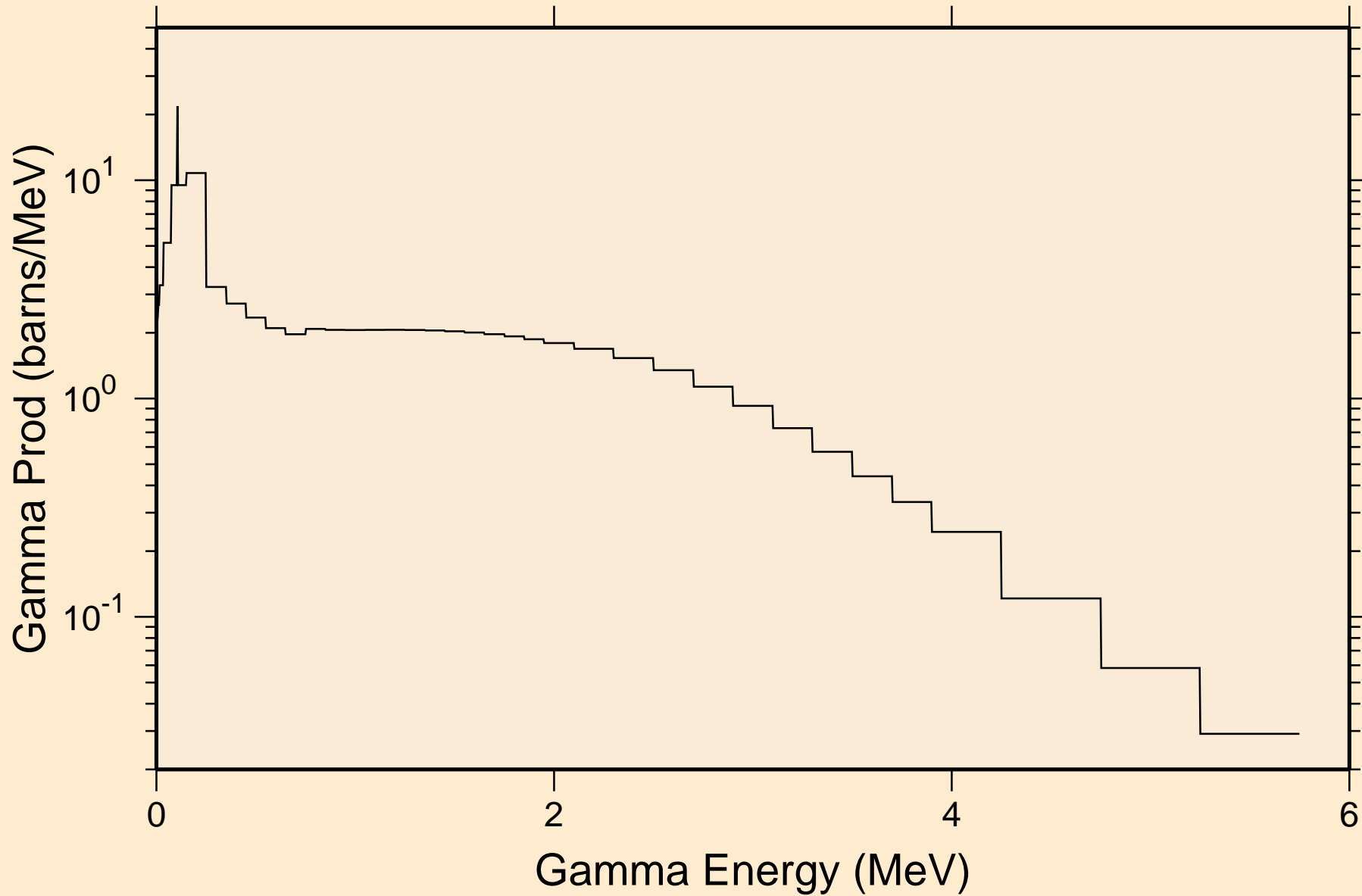


ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,da)

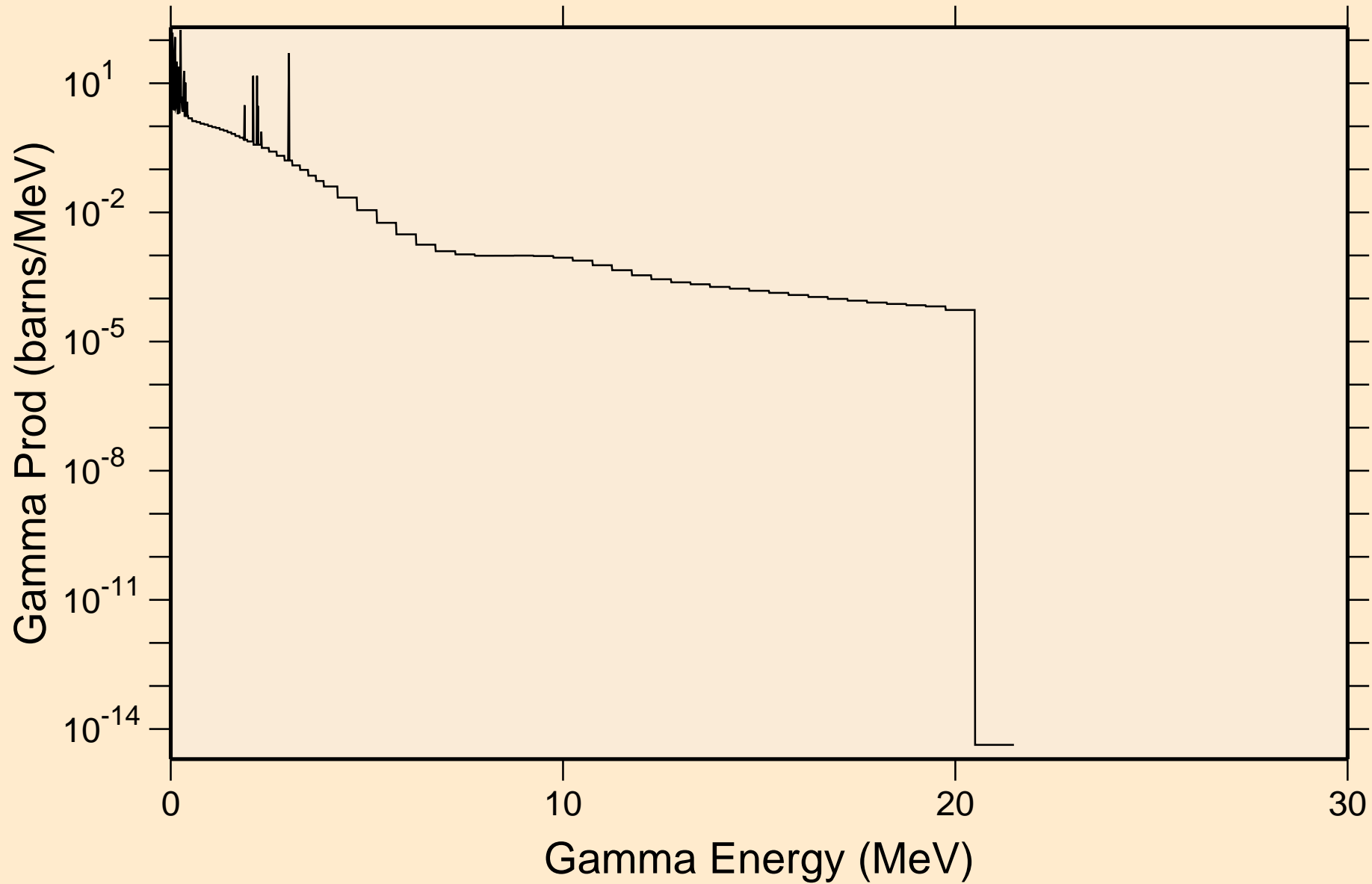




ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
thermal capture photon spectrum

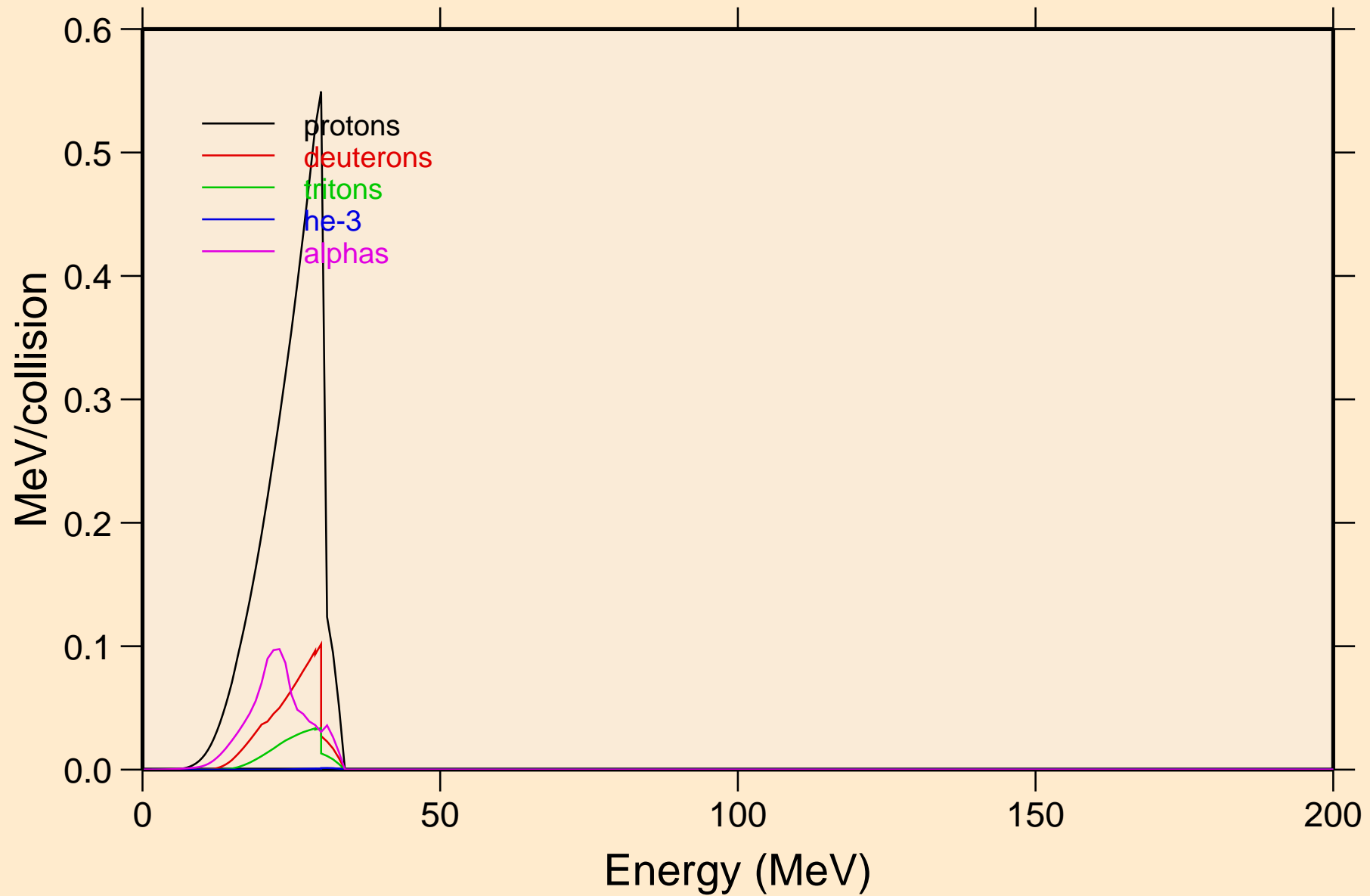


ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
14 MeV photon spectrum

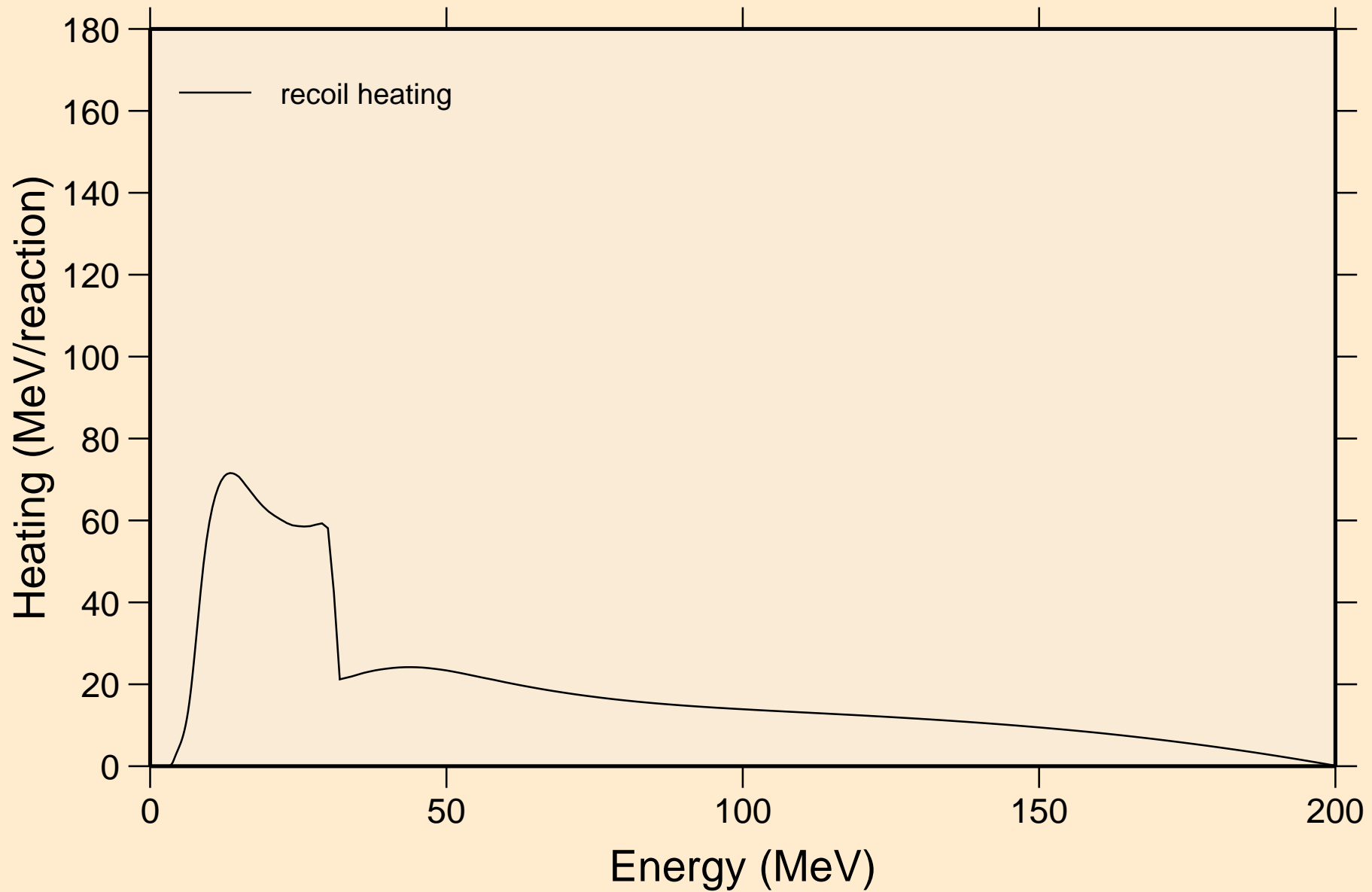


# ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Particle heating contributions

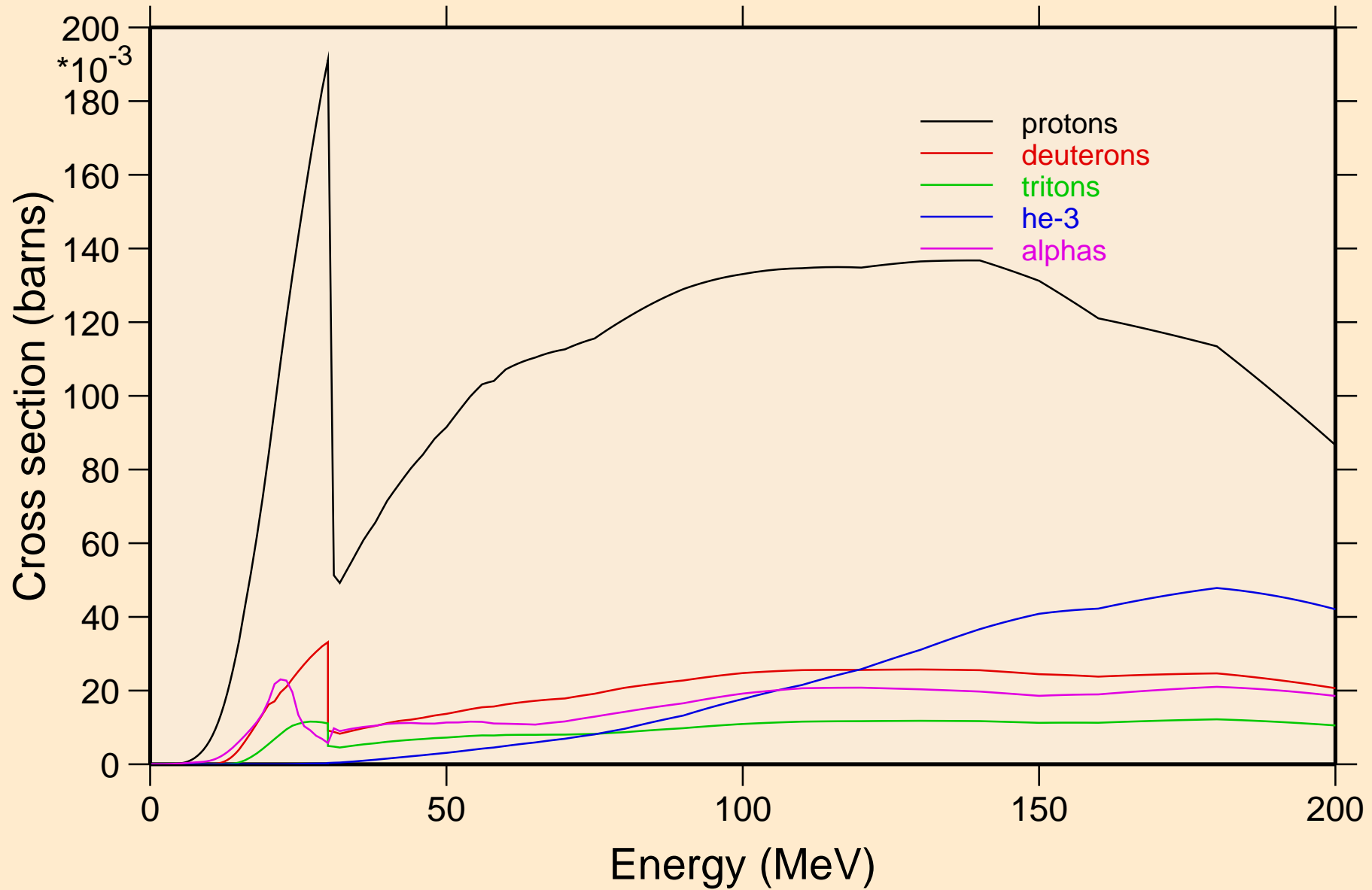


ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Recoil Heating

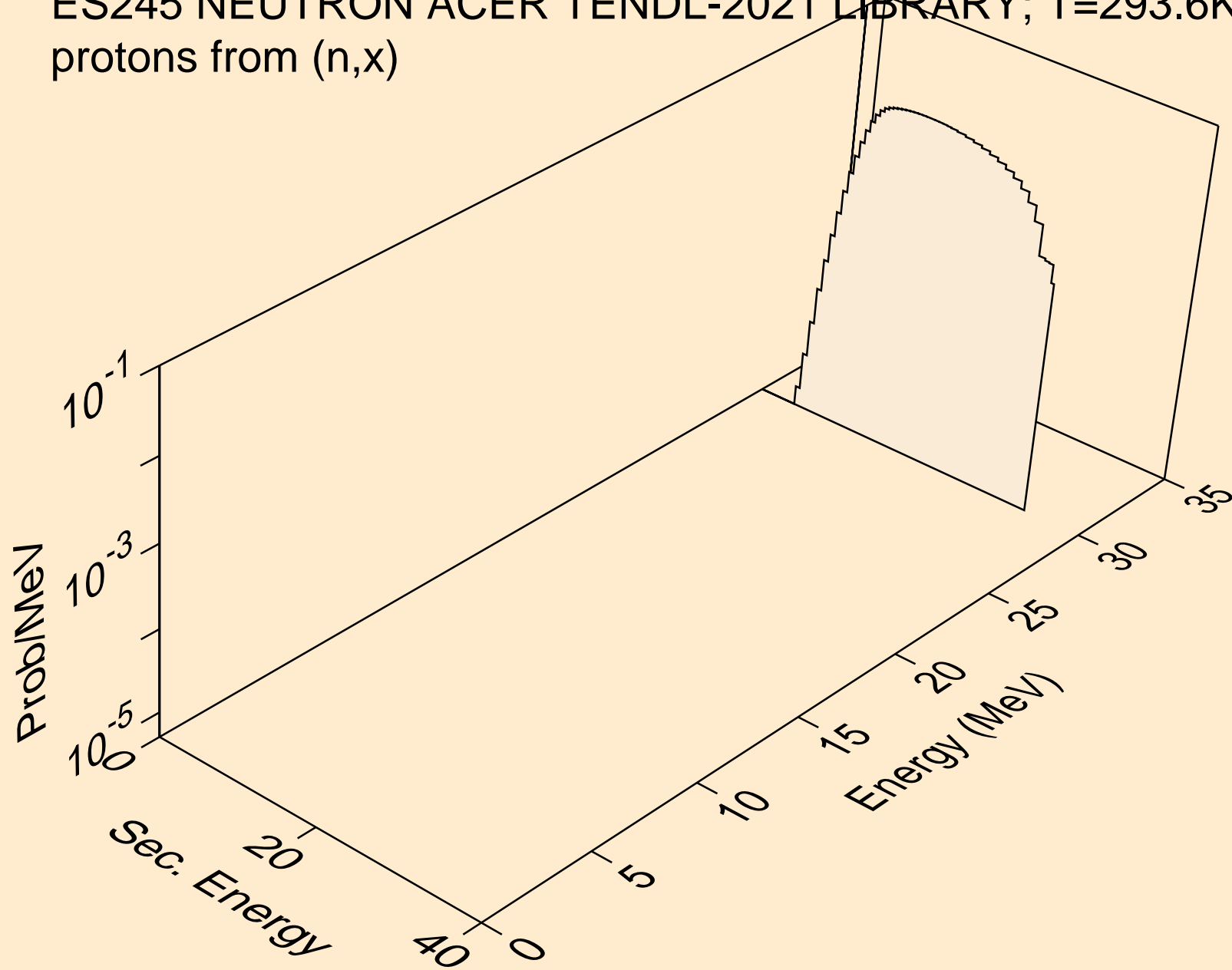


# ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

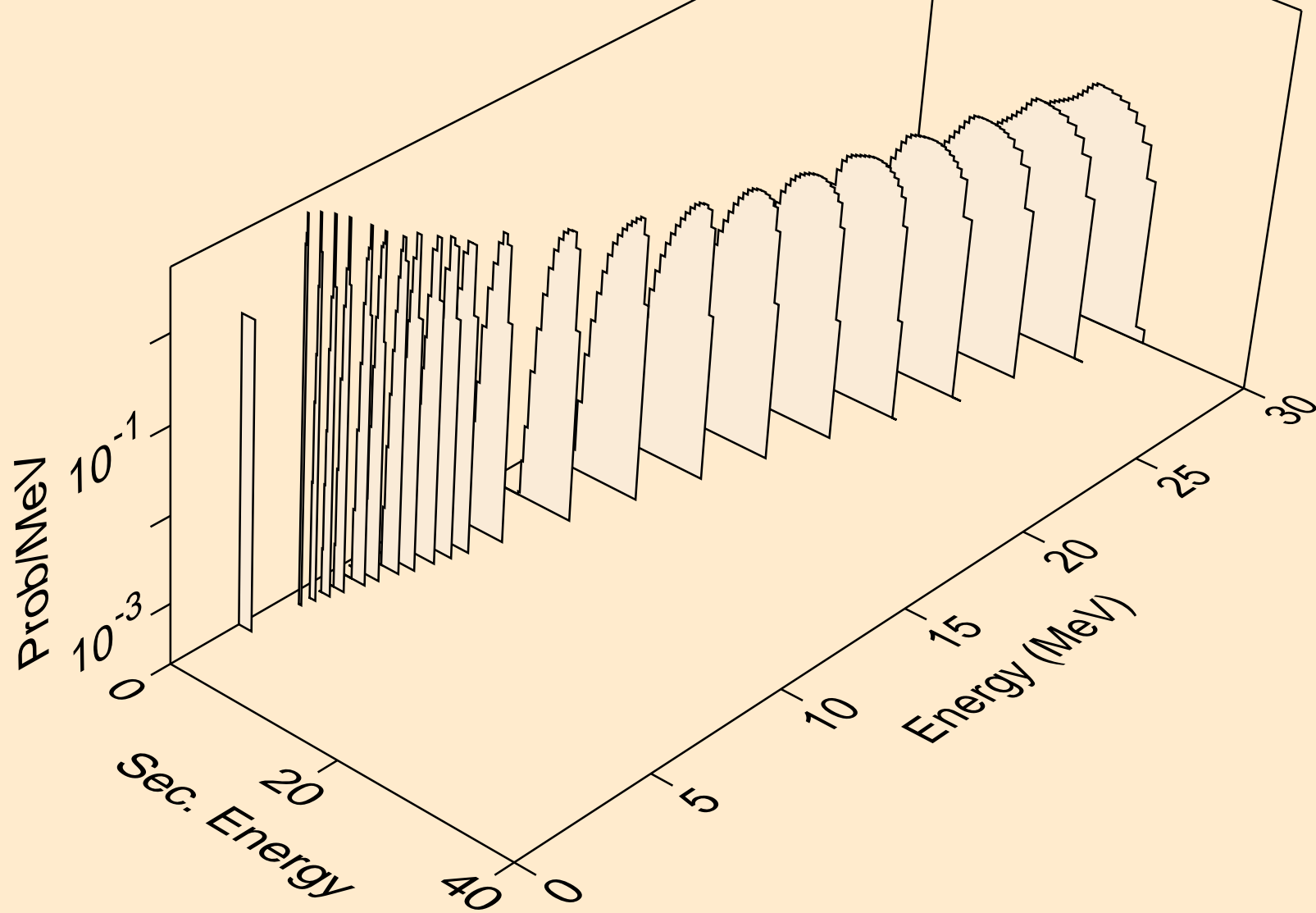
## Particle production cross sections



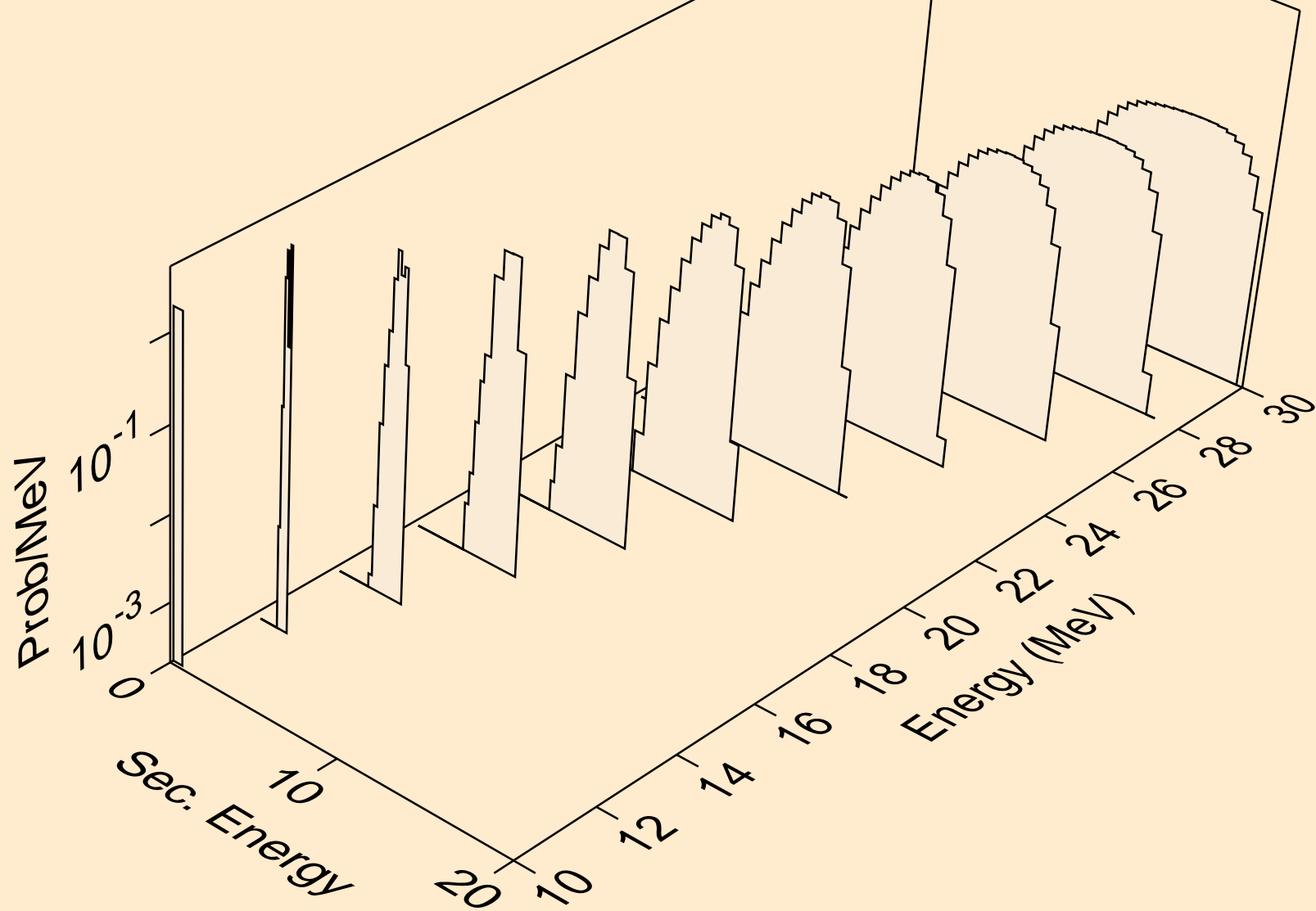
ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,x)



ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,n\*)p

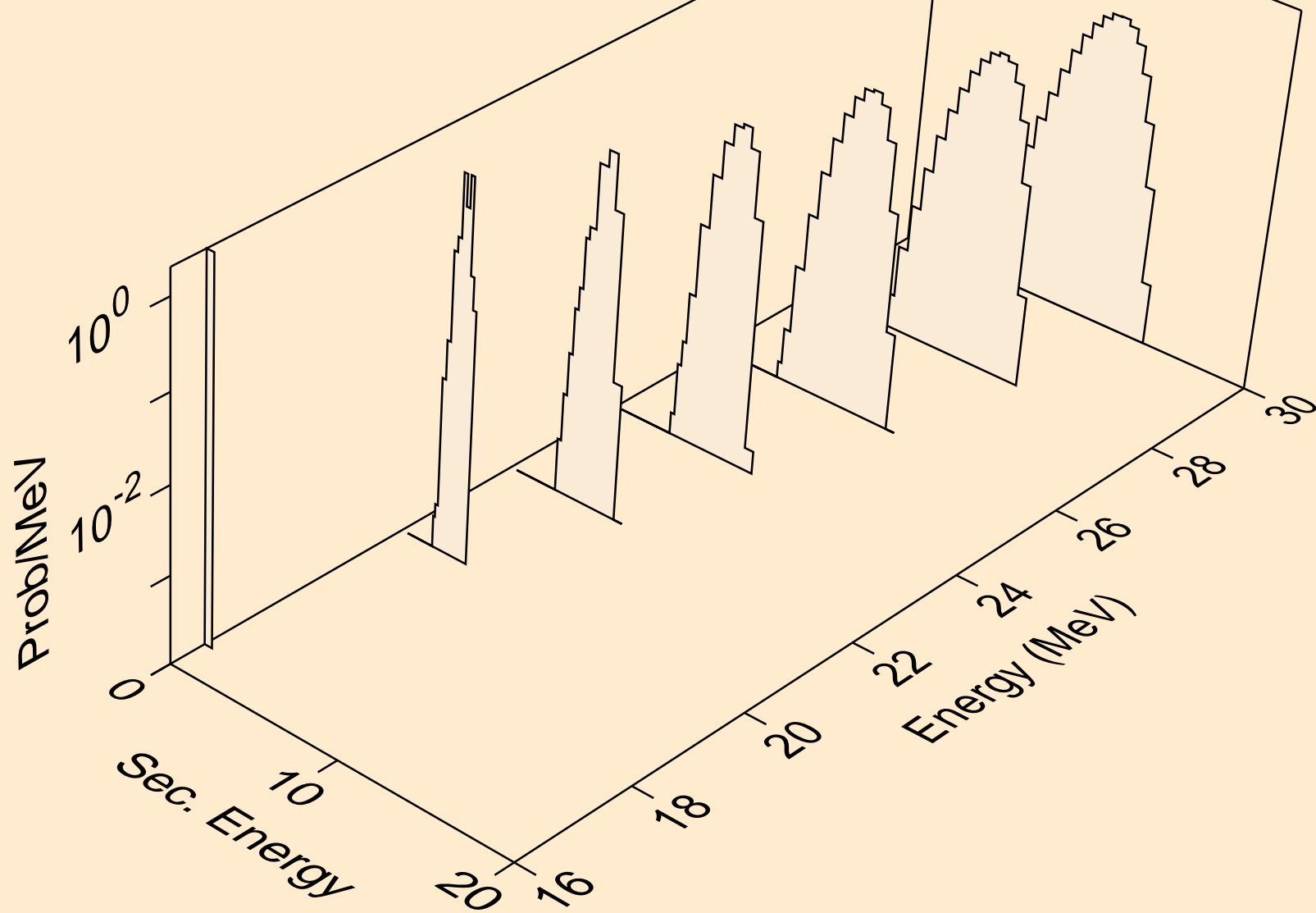


ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,2np)

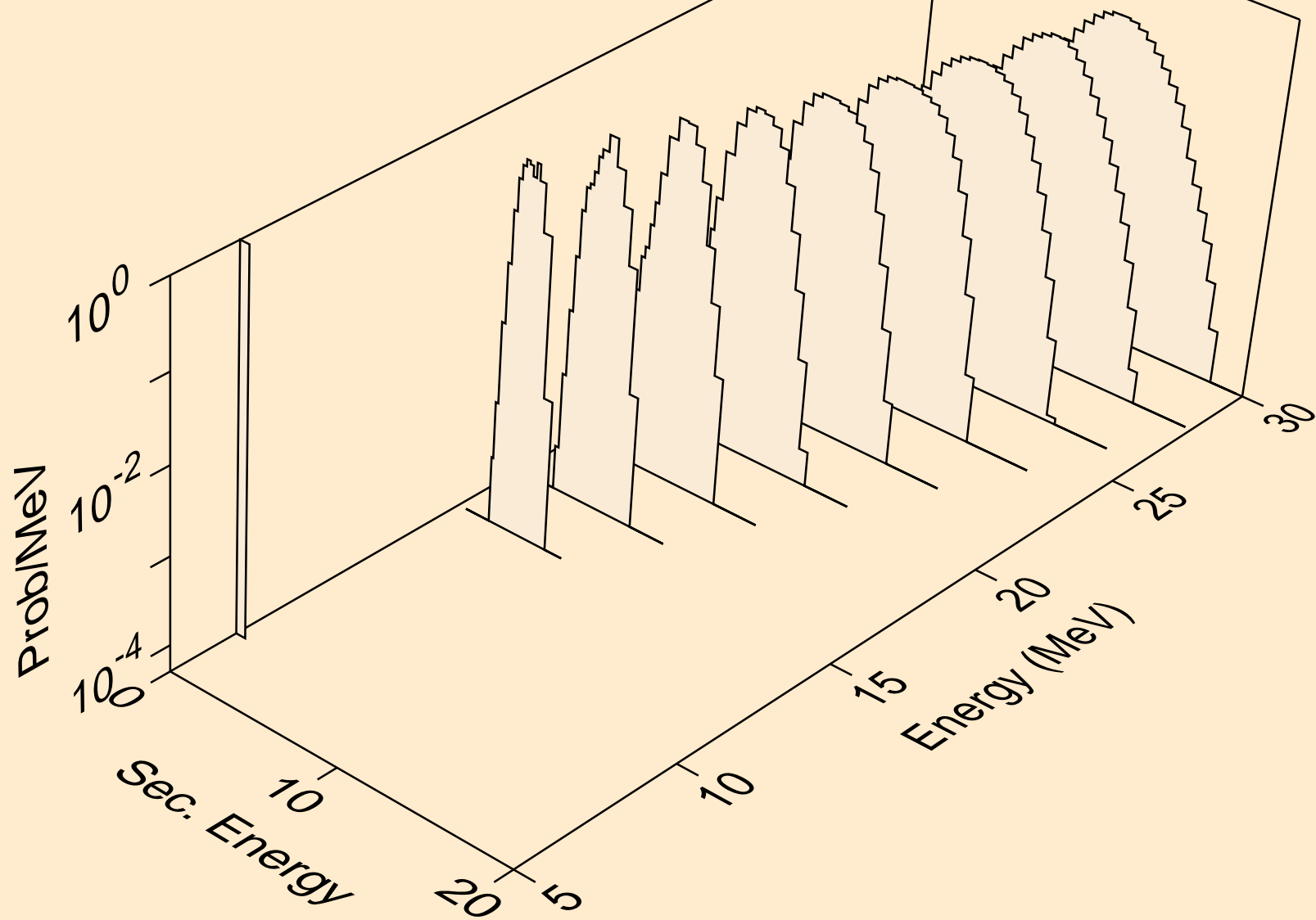




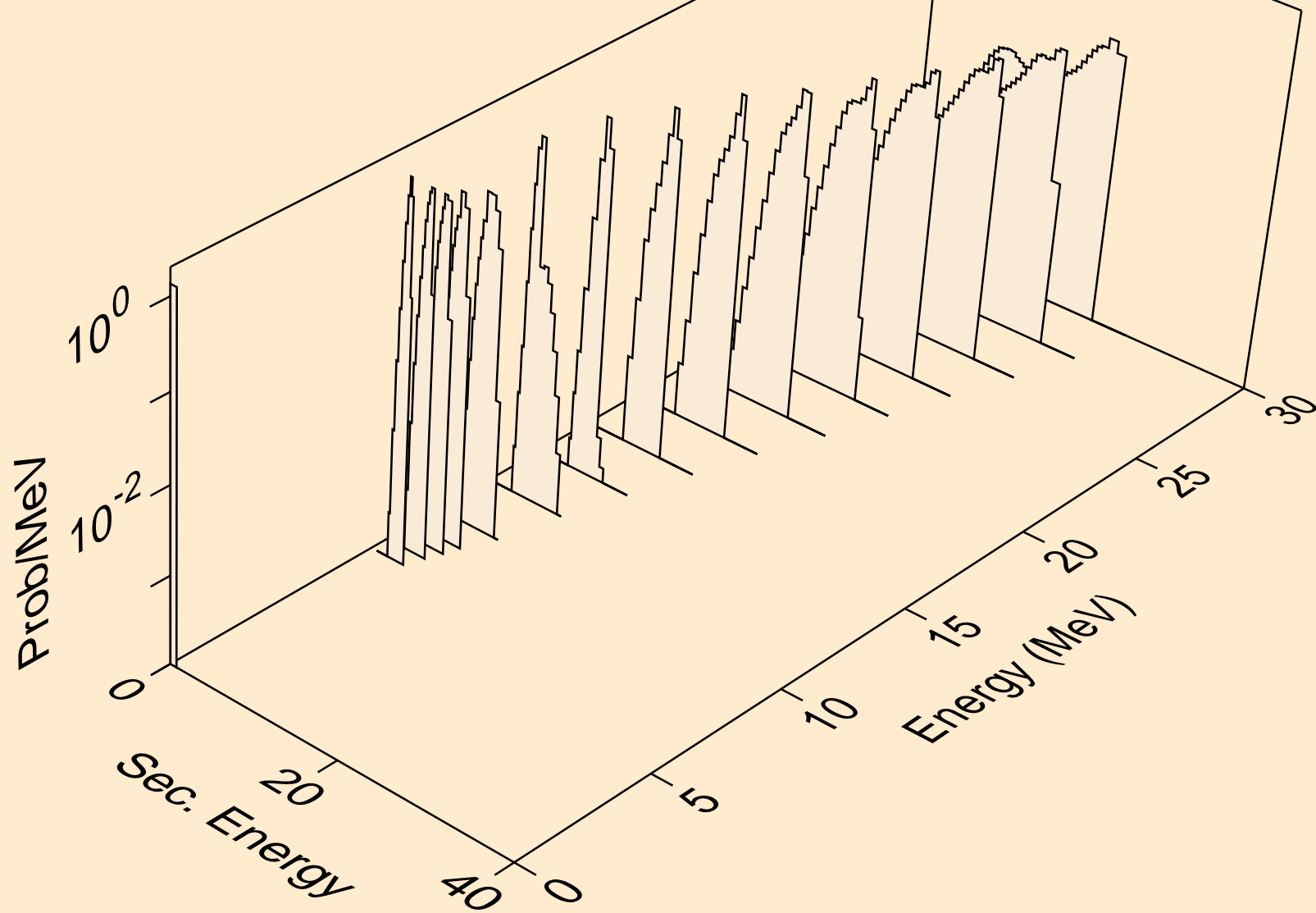
ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,3np)



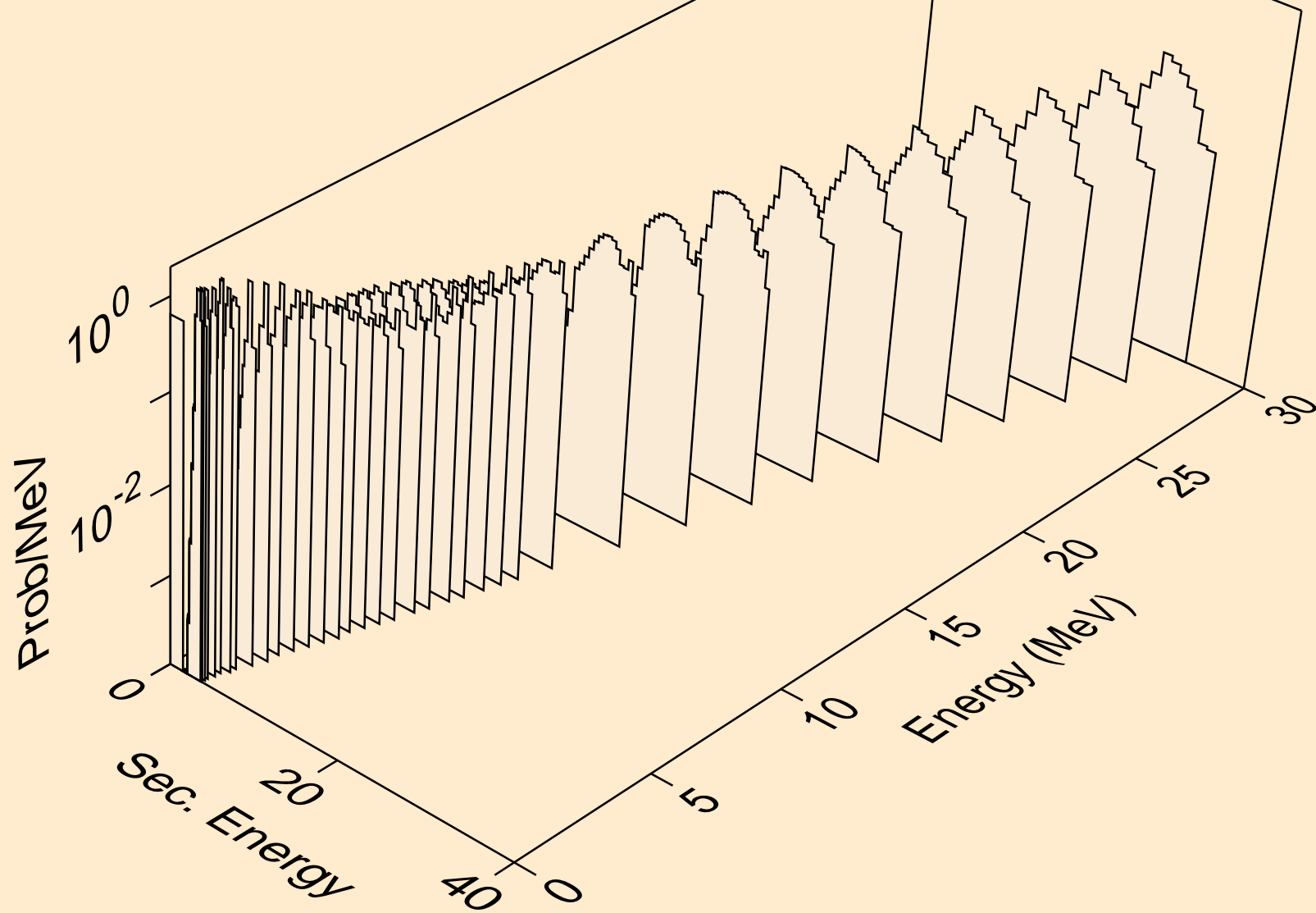
ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,2np)



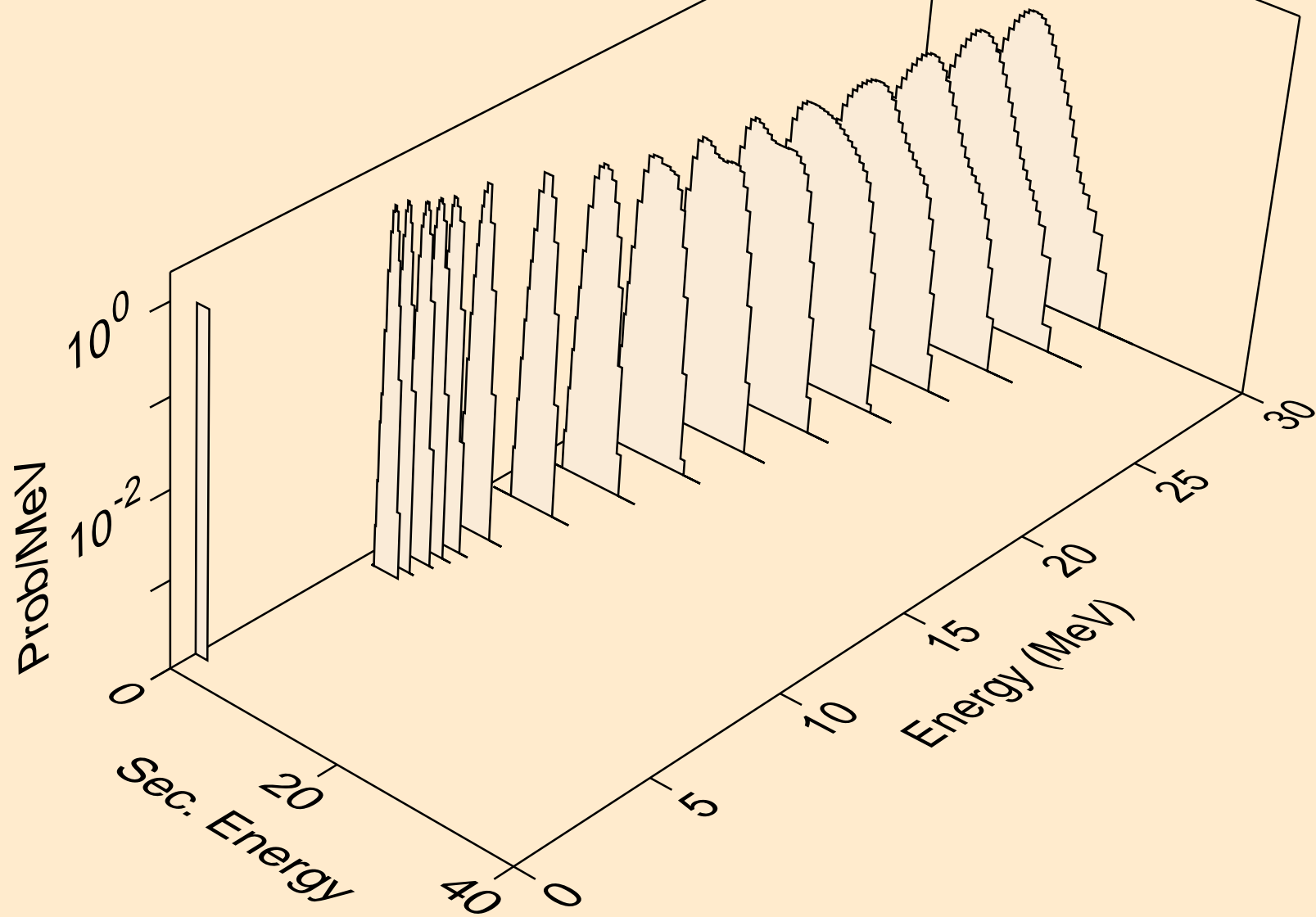
ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,npa)



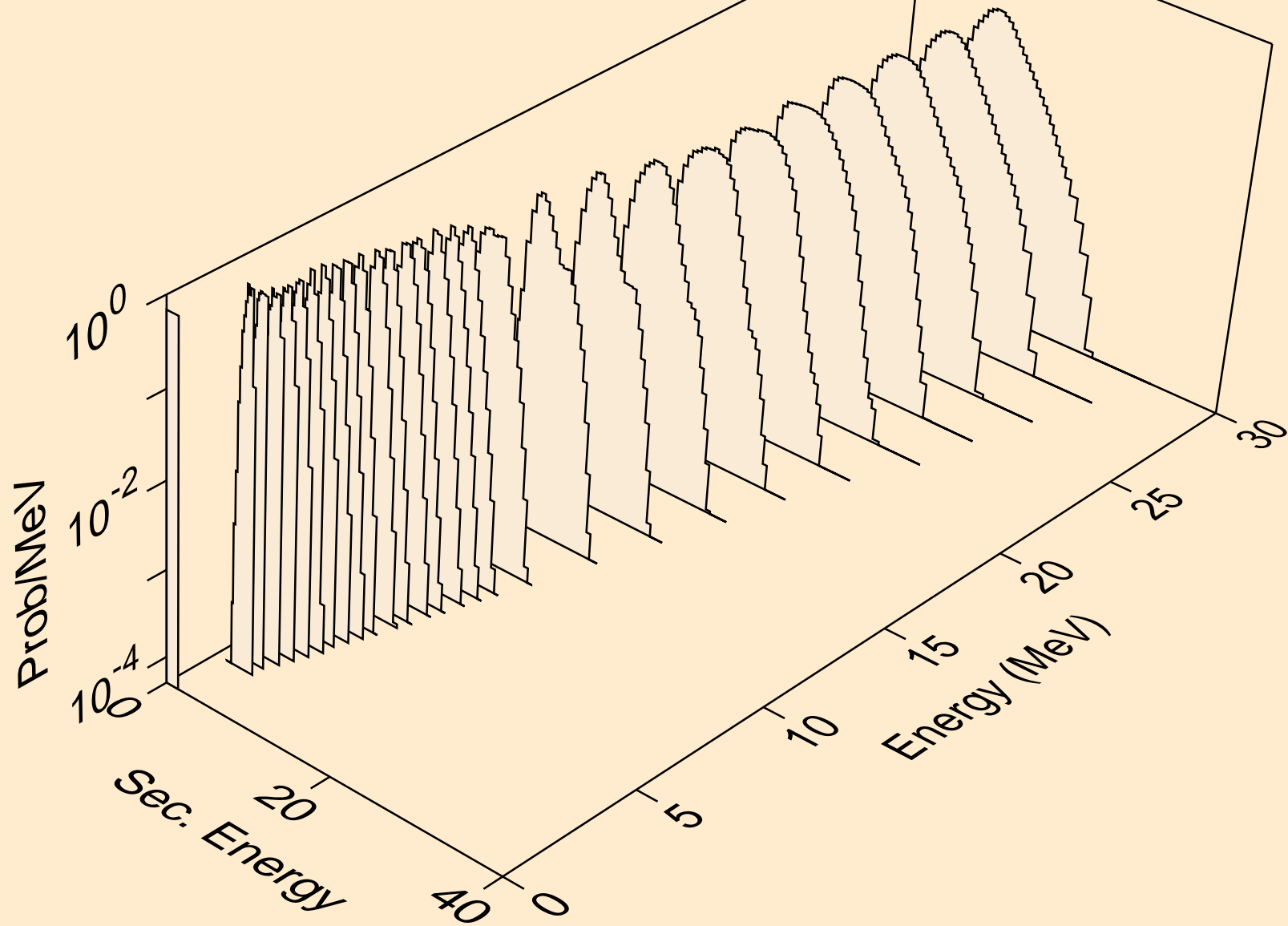
ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,p)



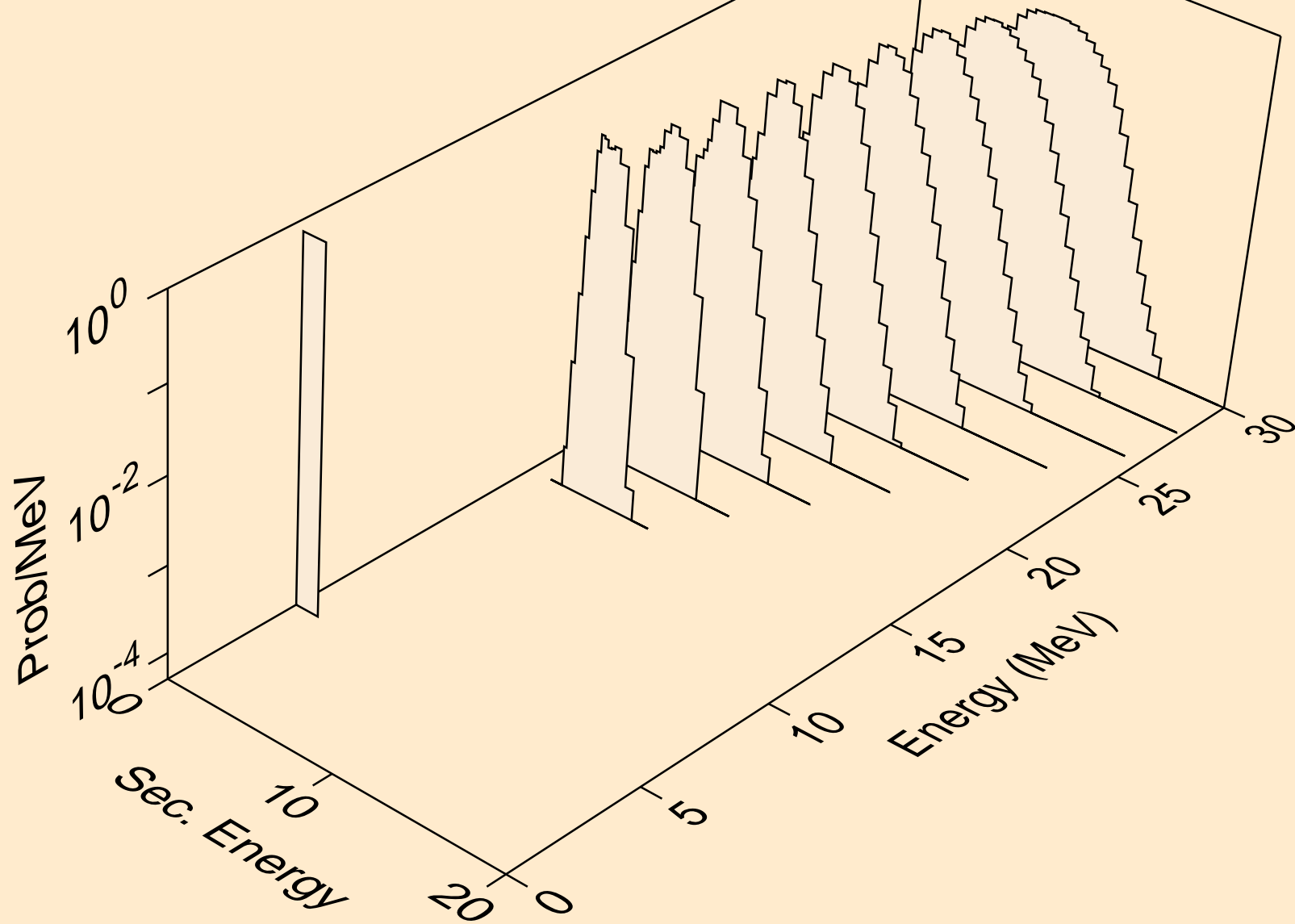
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protons from (n,2p)



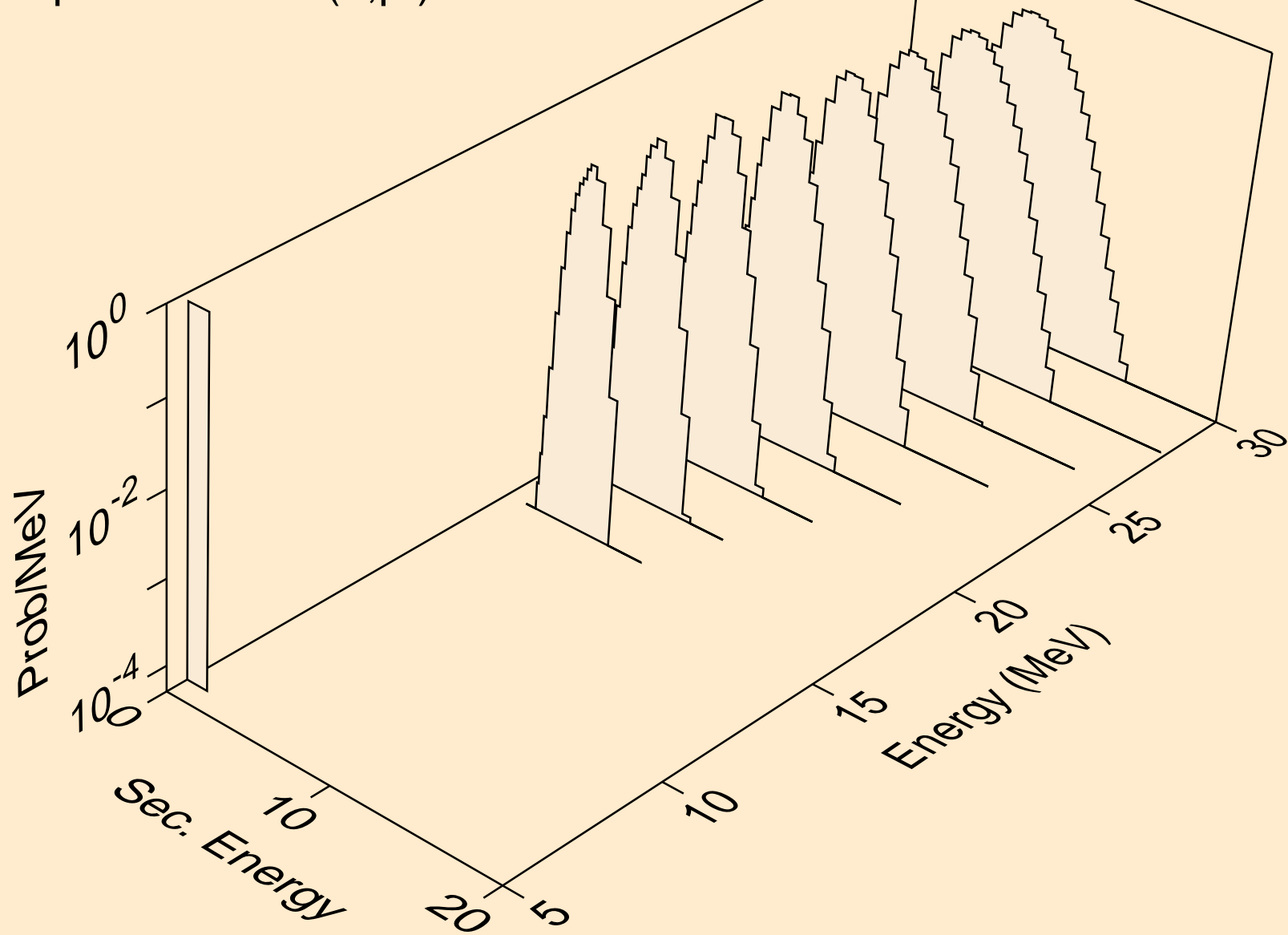
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protons from (n,p)



ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,pd)

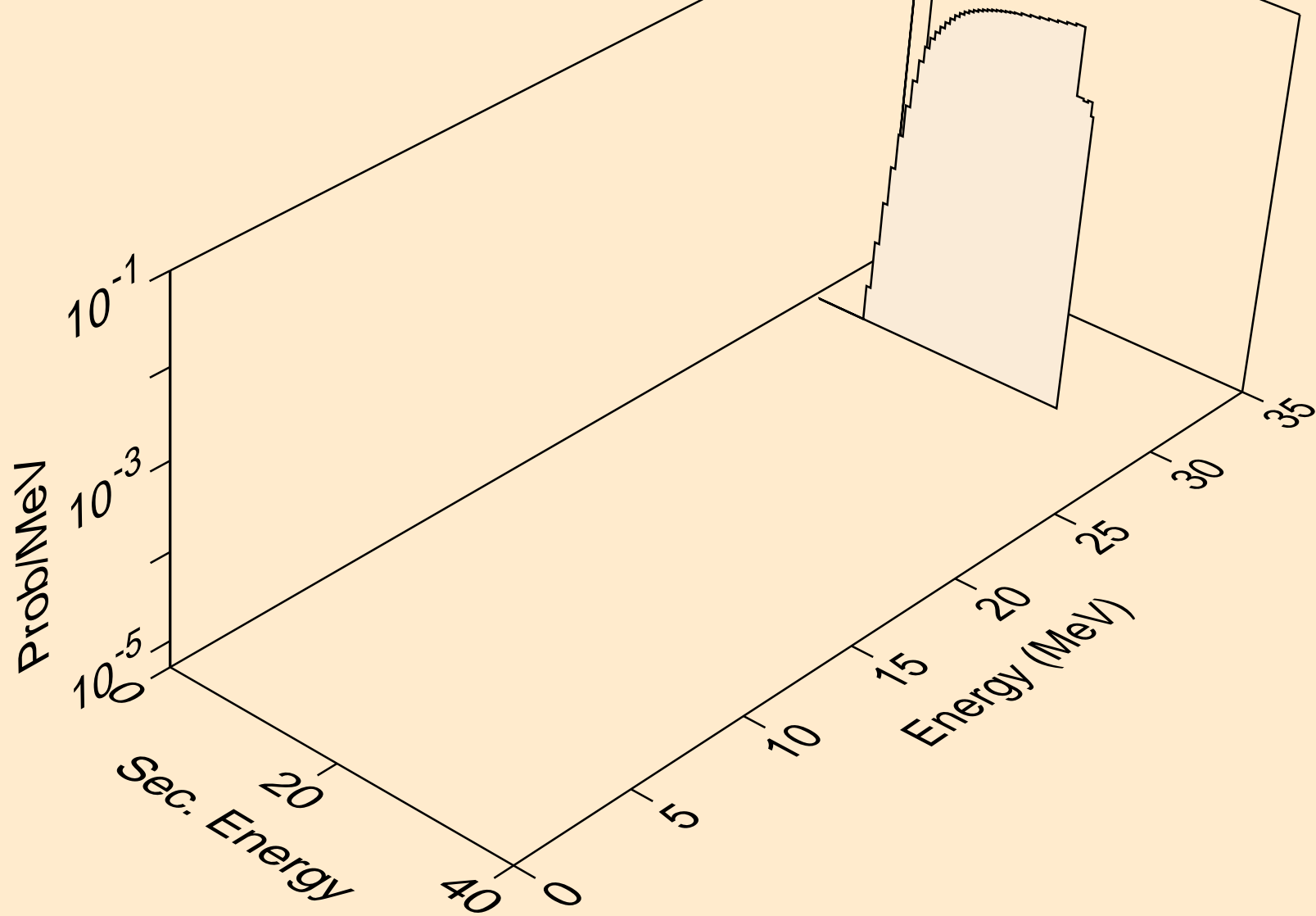


ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,pt)

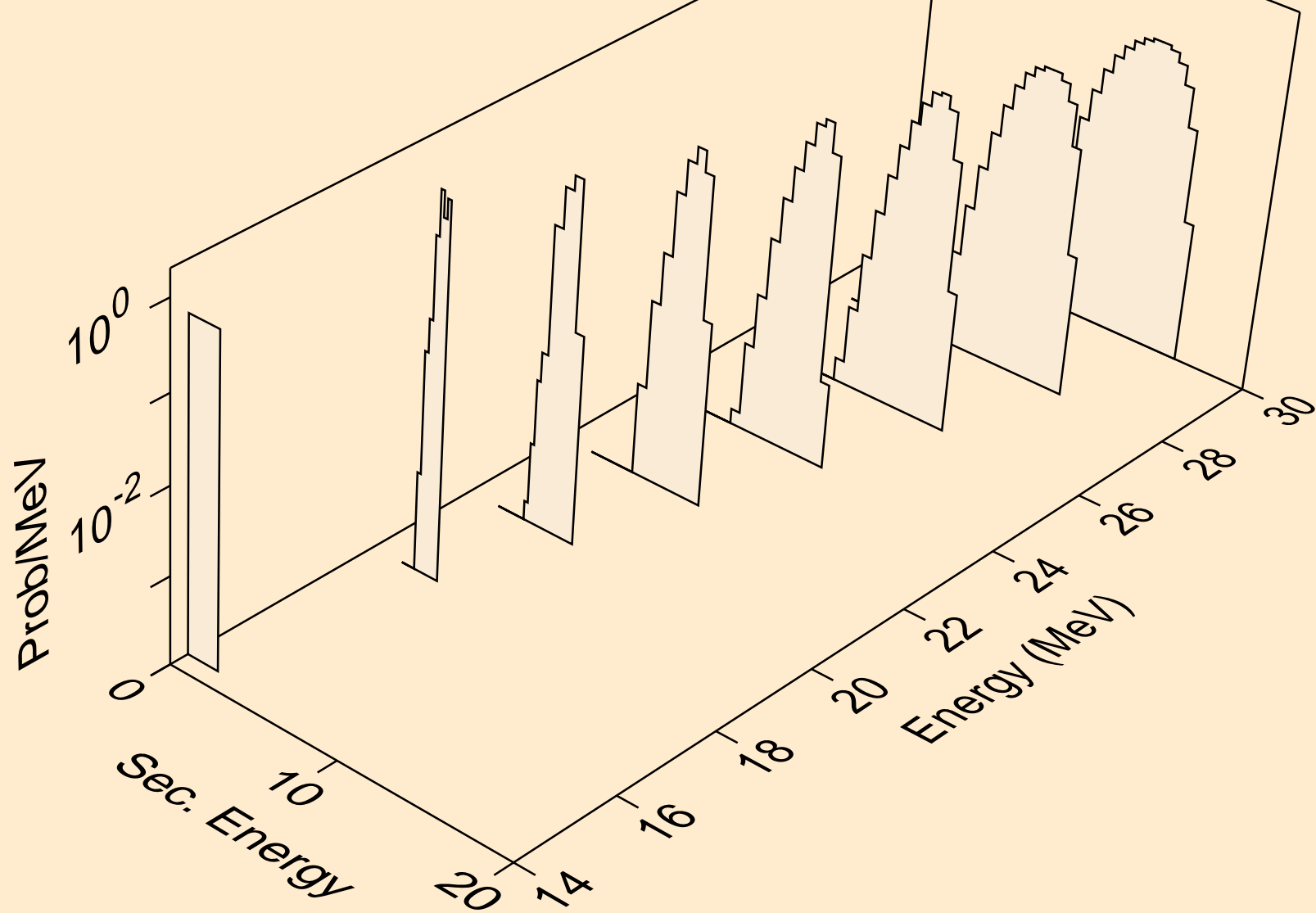




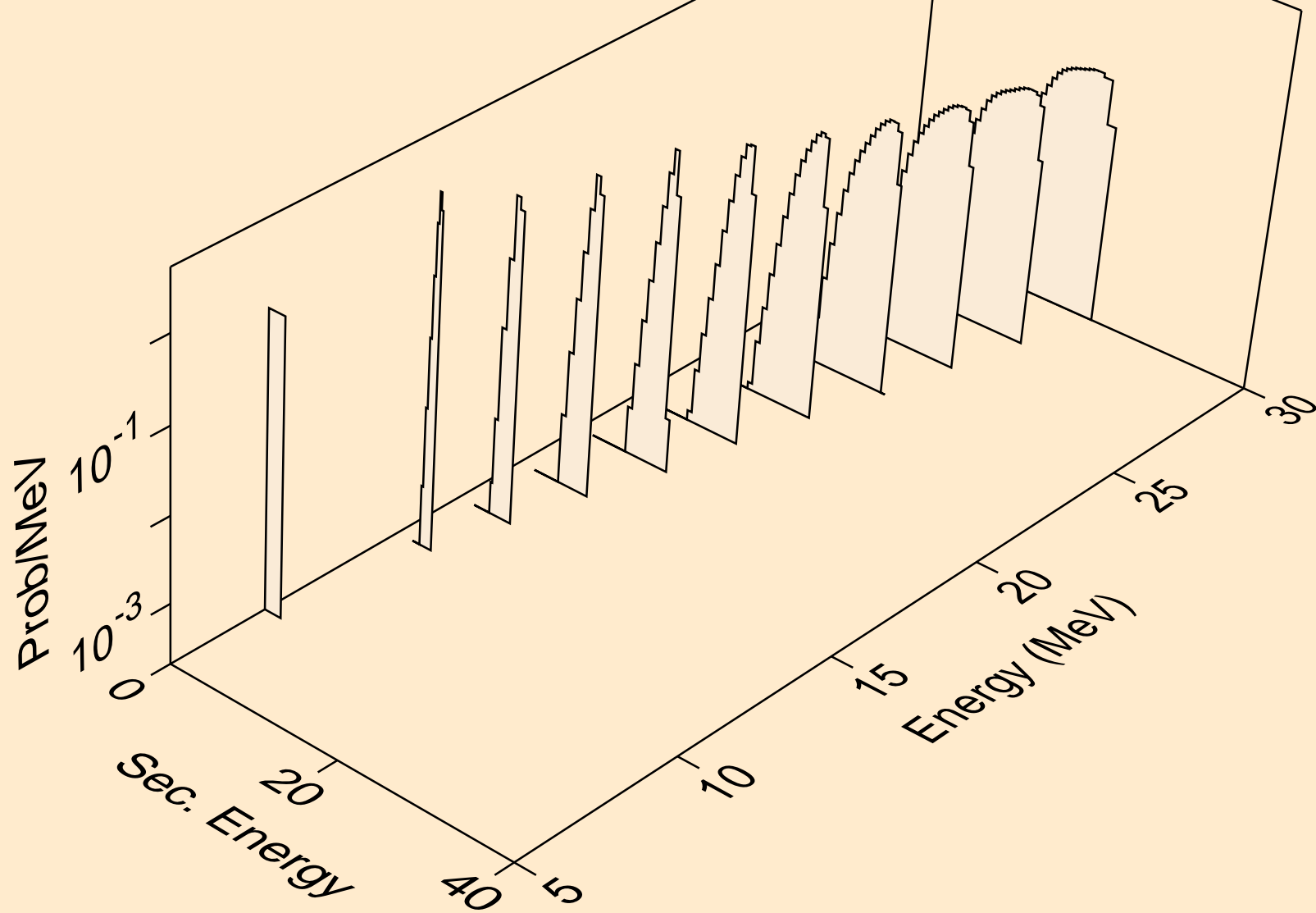
ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,x)



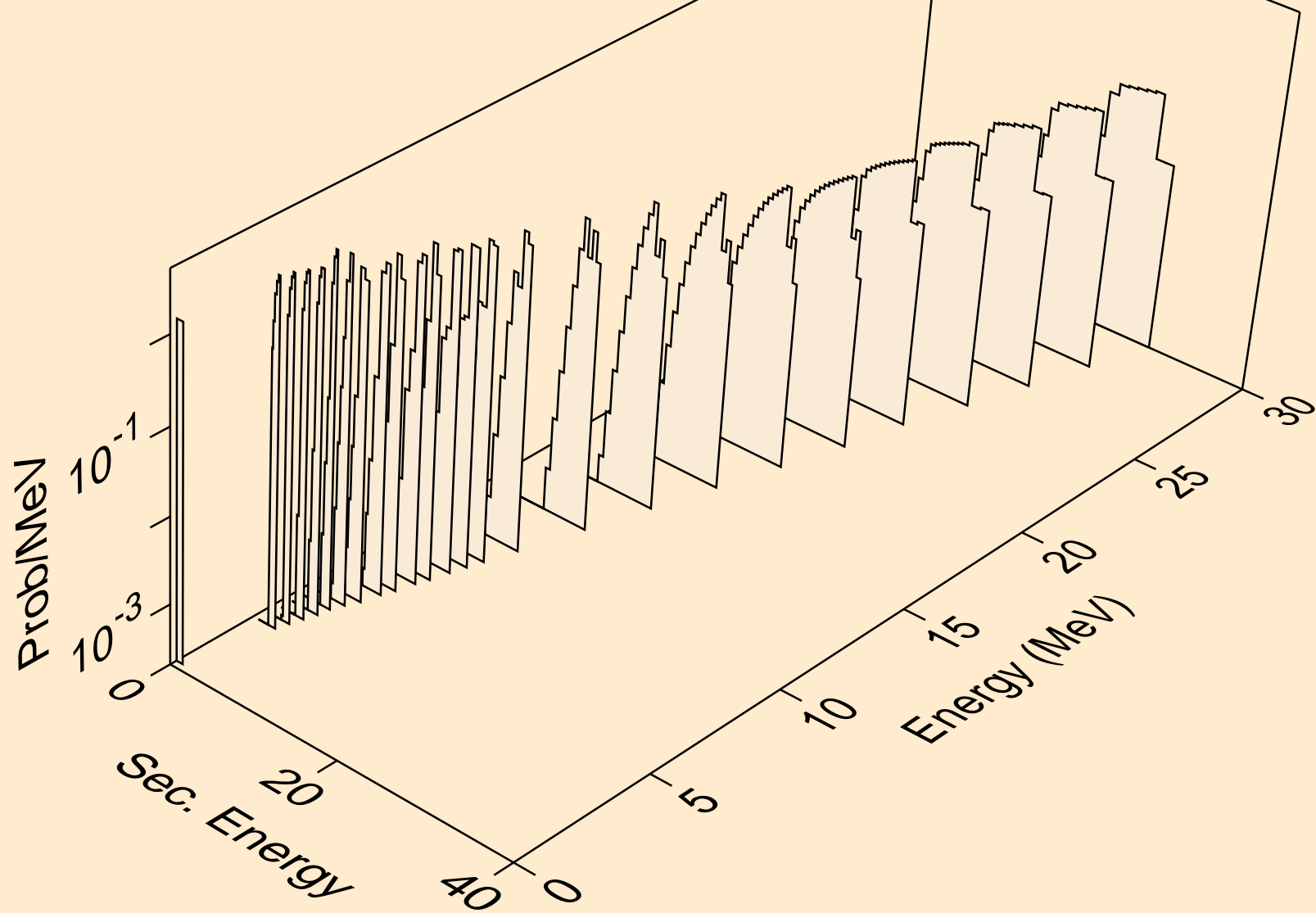
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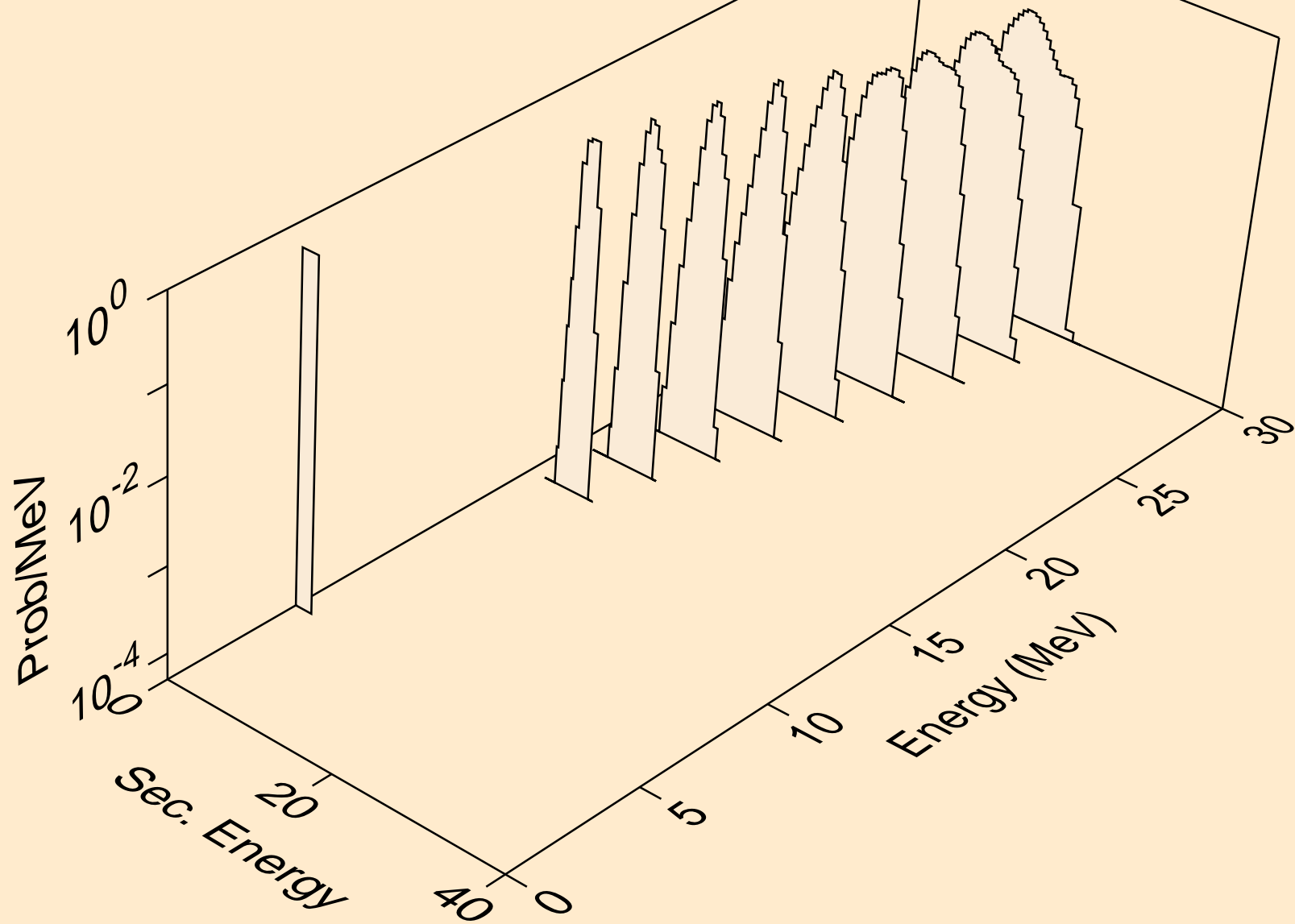
ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,n\*)d



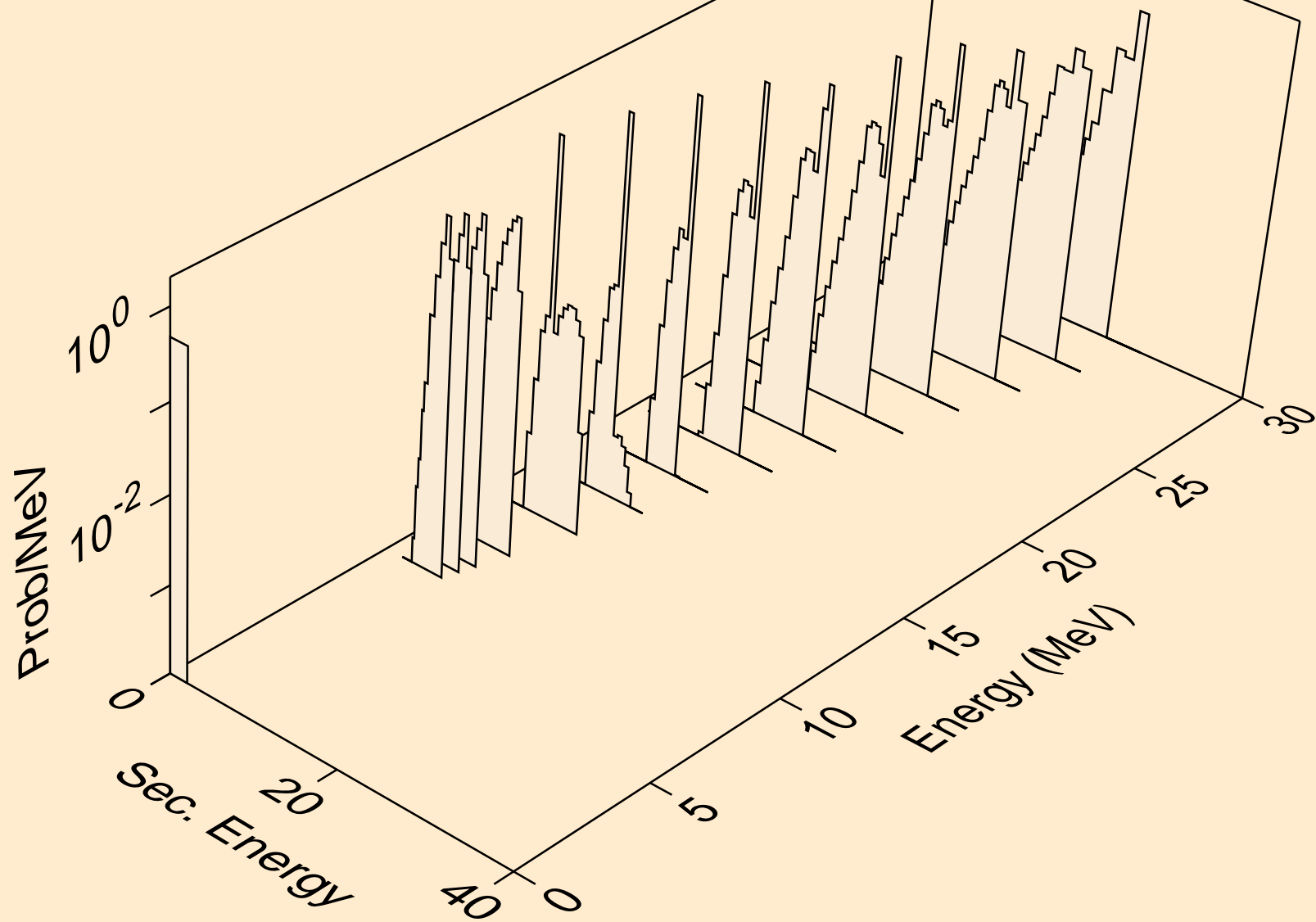
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deuterons from (n,d)



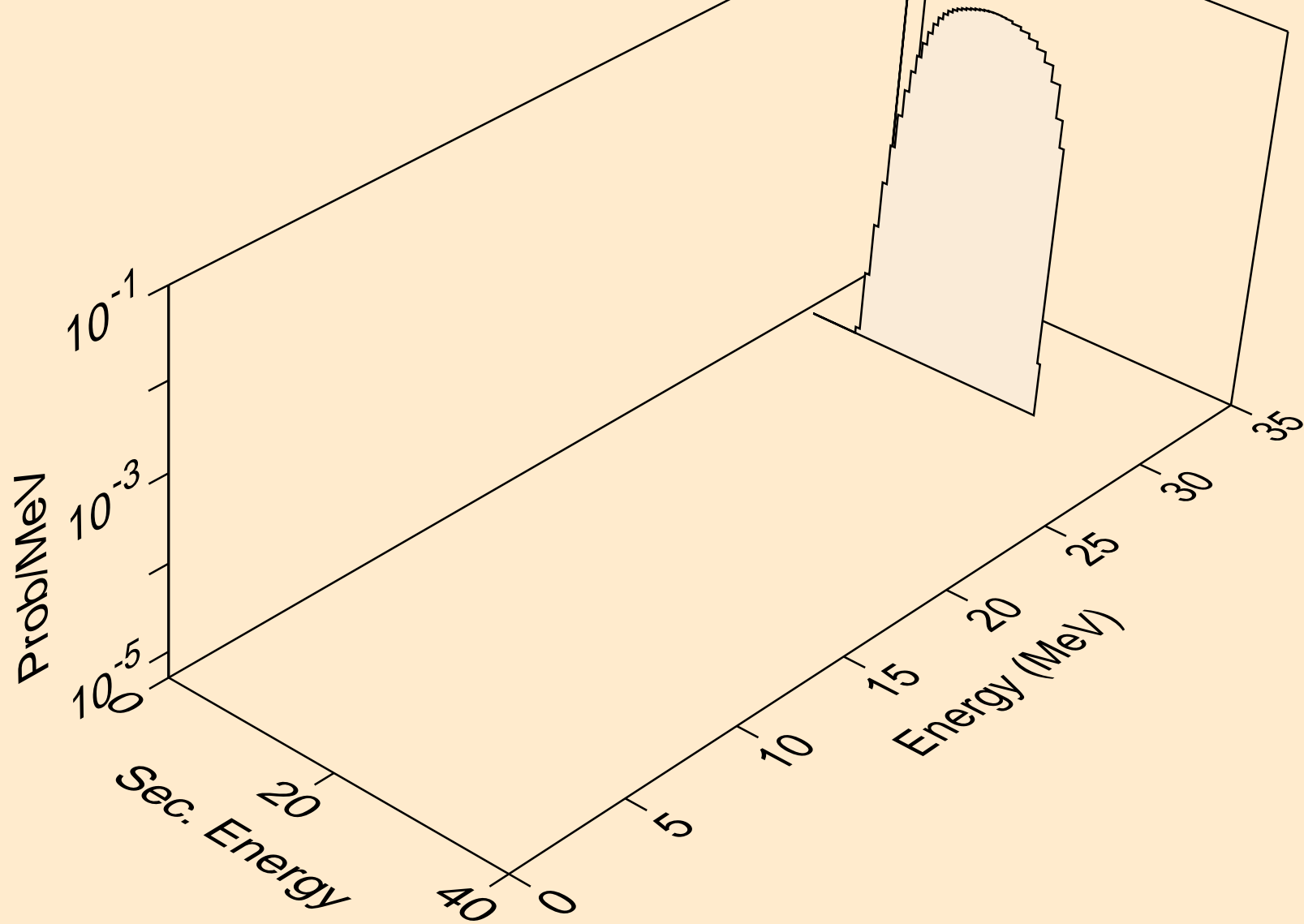
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deuterons from (n,pd)



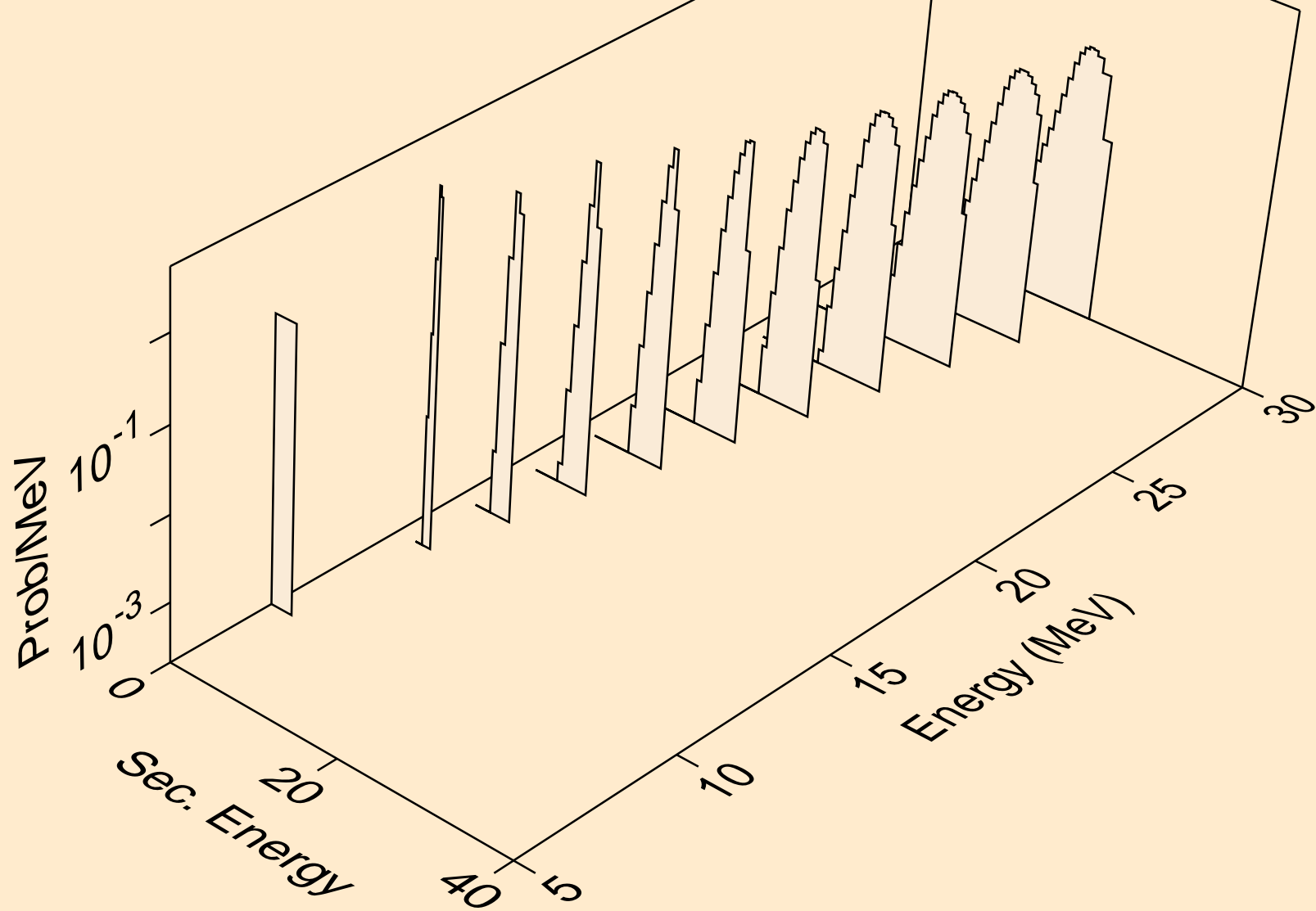
ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,da)



ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,x)

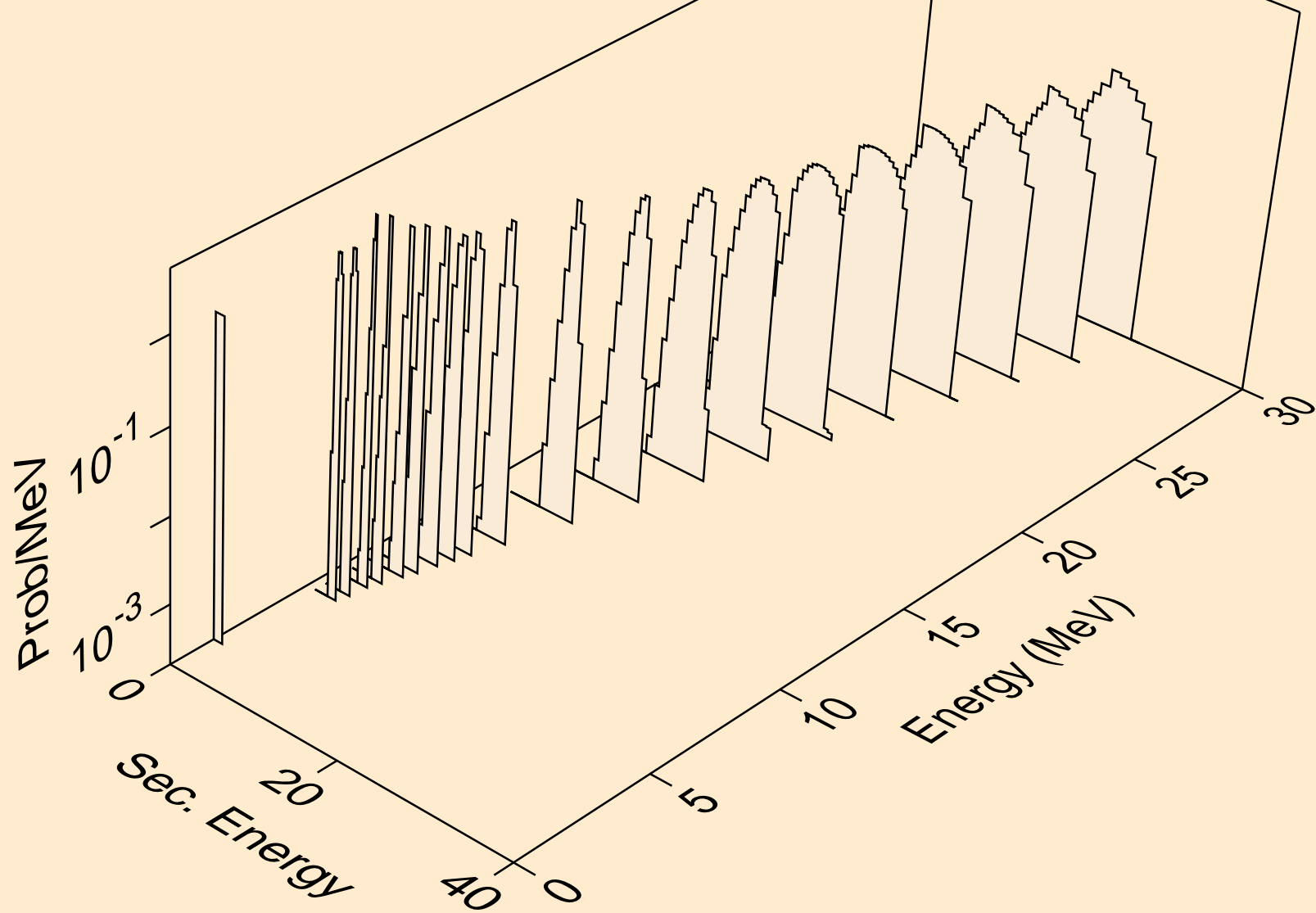


ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,n\*)t

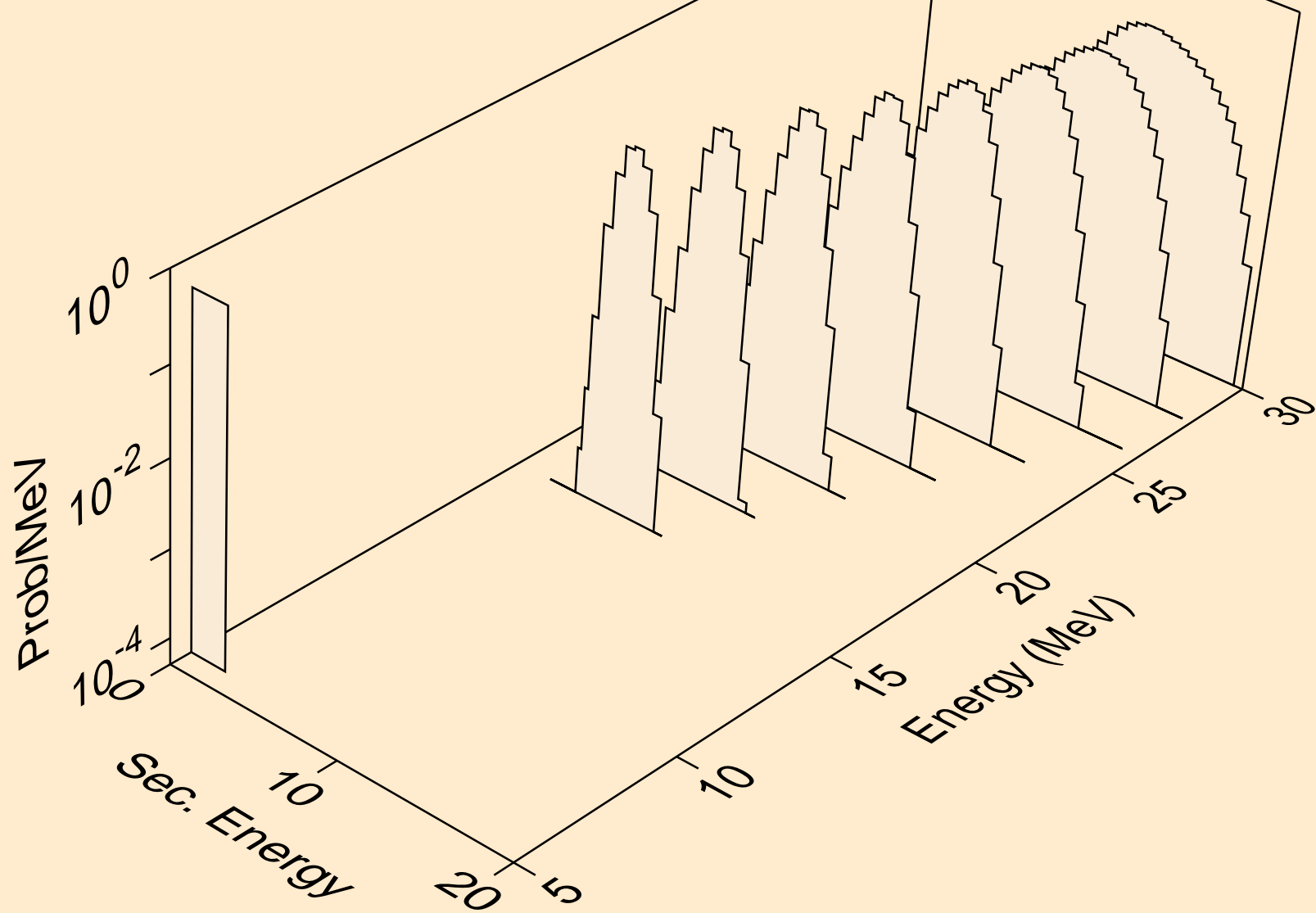




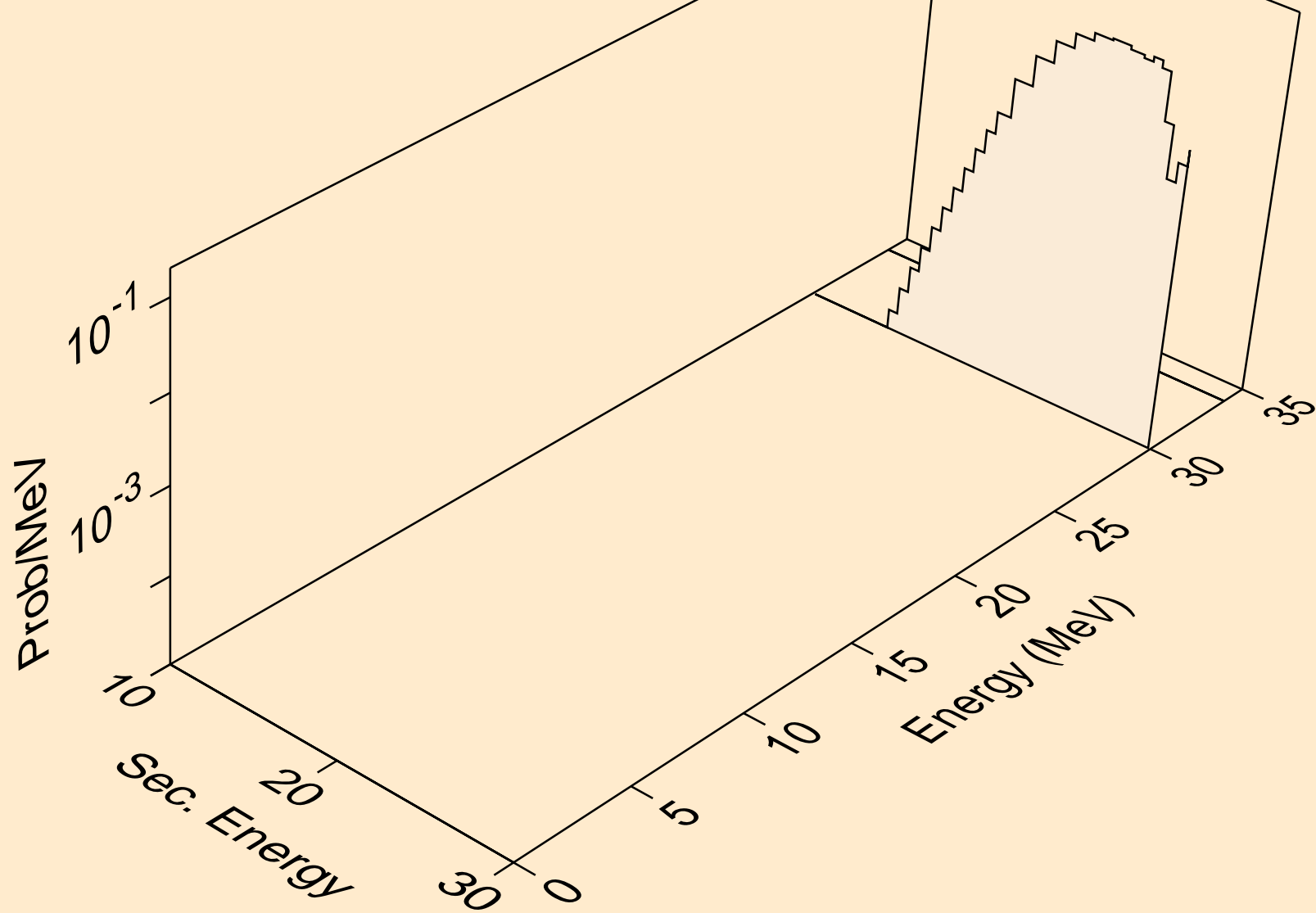
ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,t)



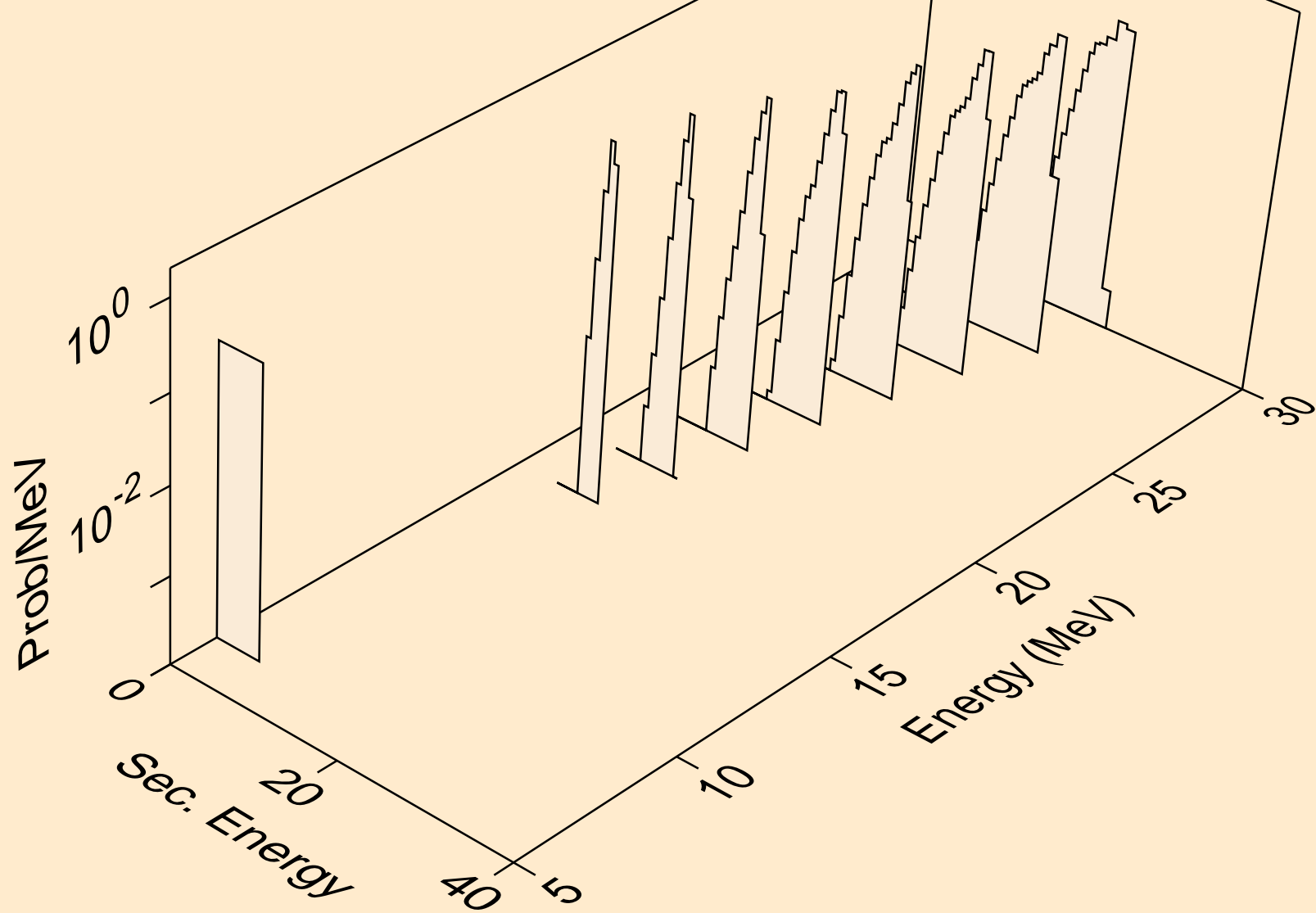
ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,pt)



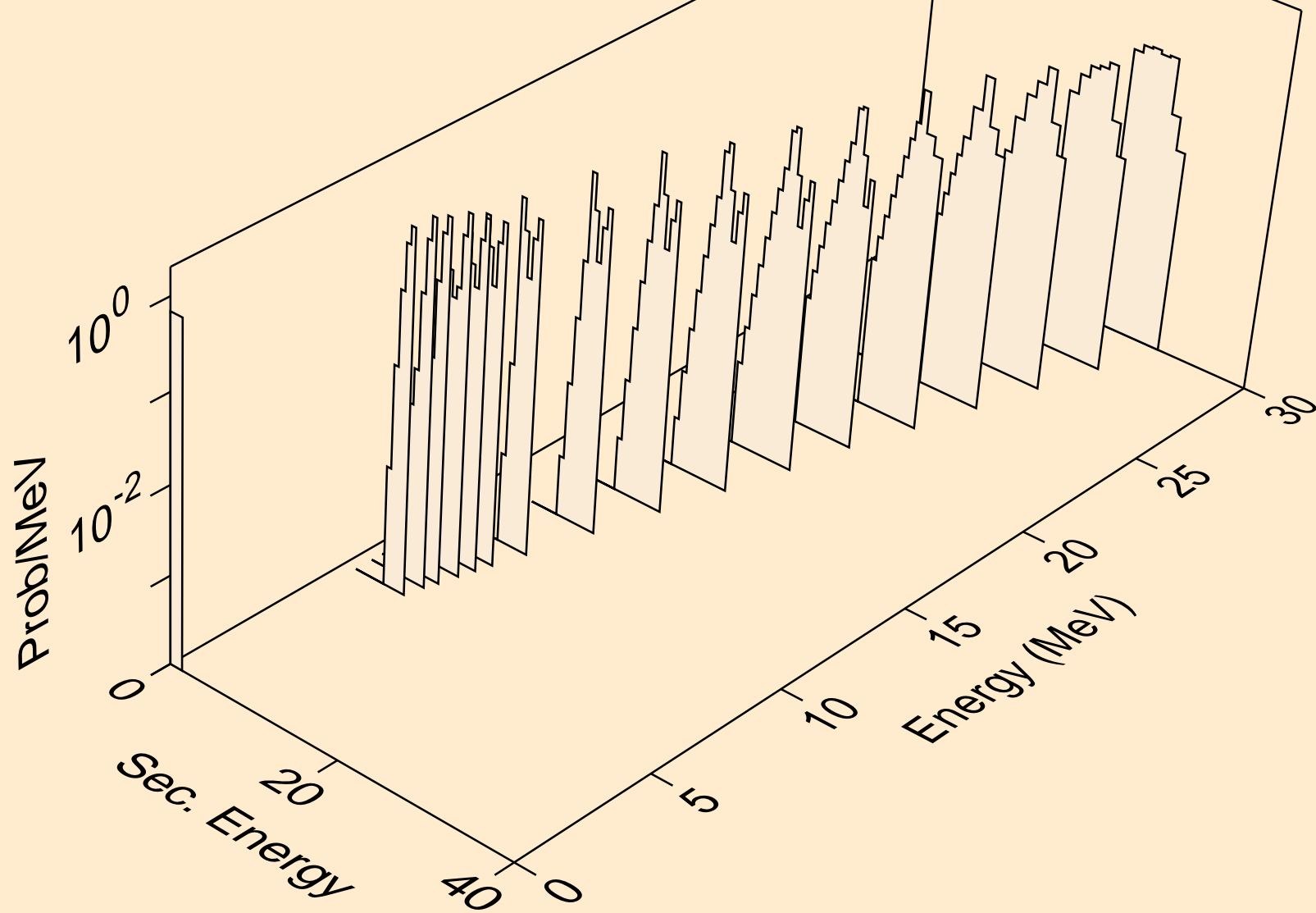
ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
he3s from (n,x)



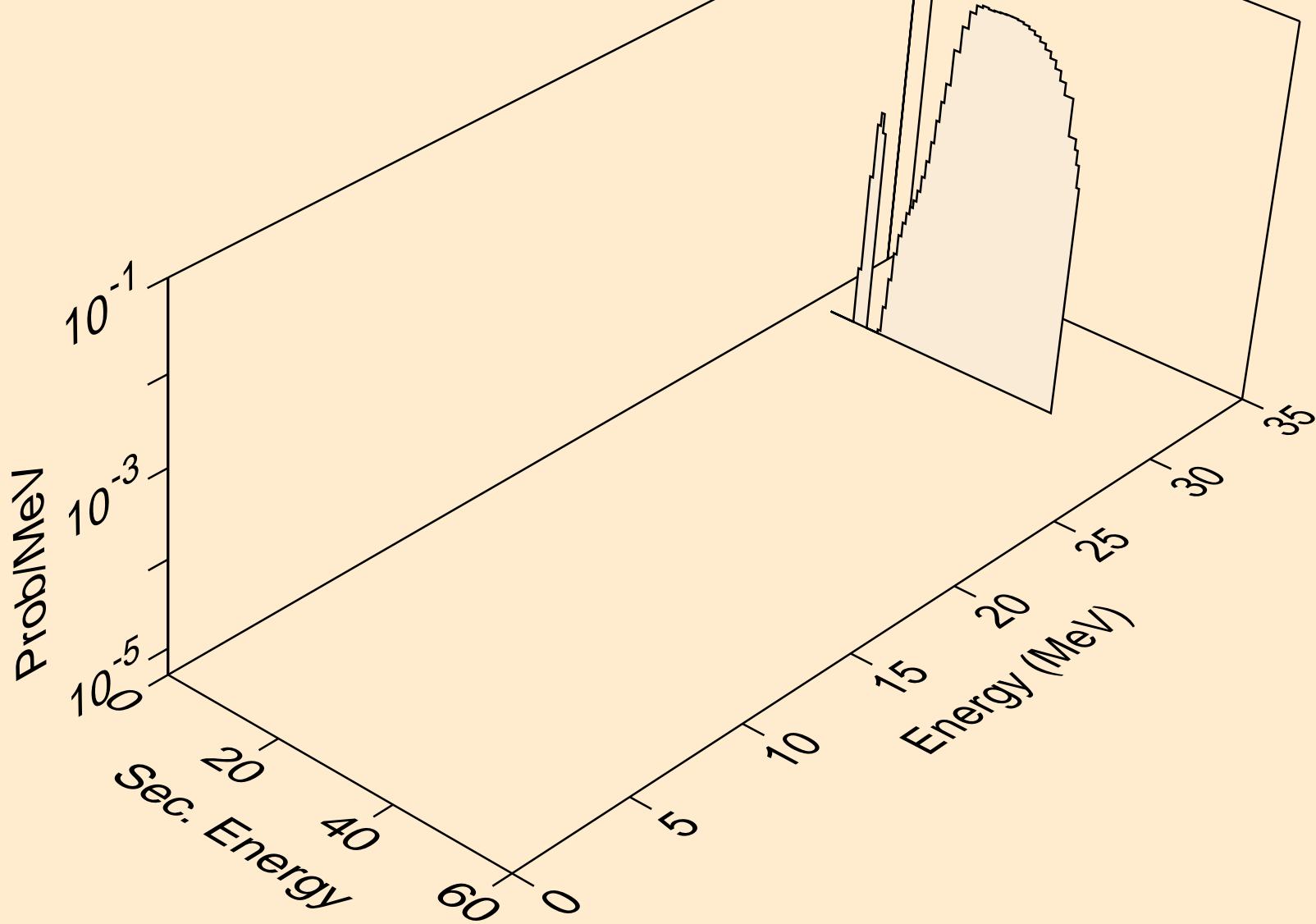
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he3s from (n,n\*)he3



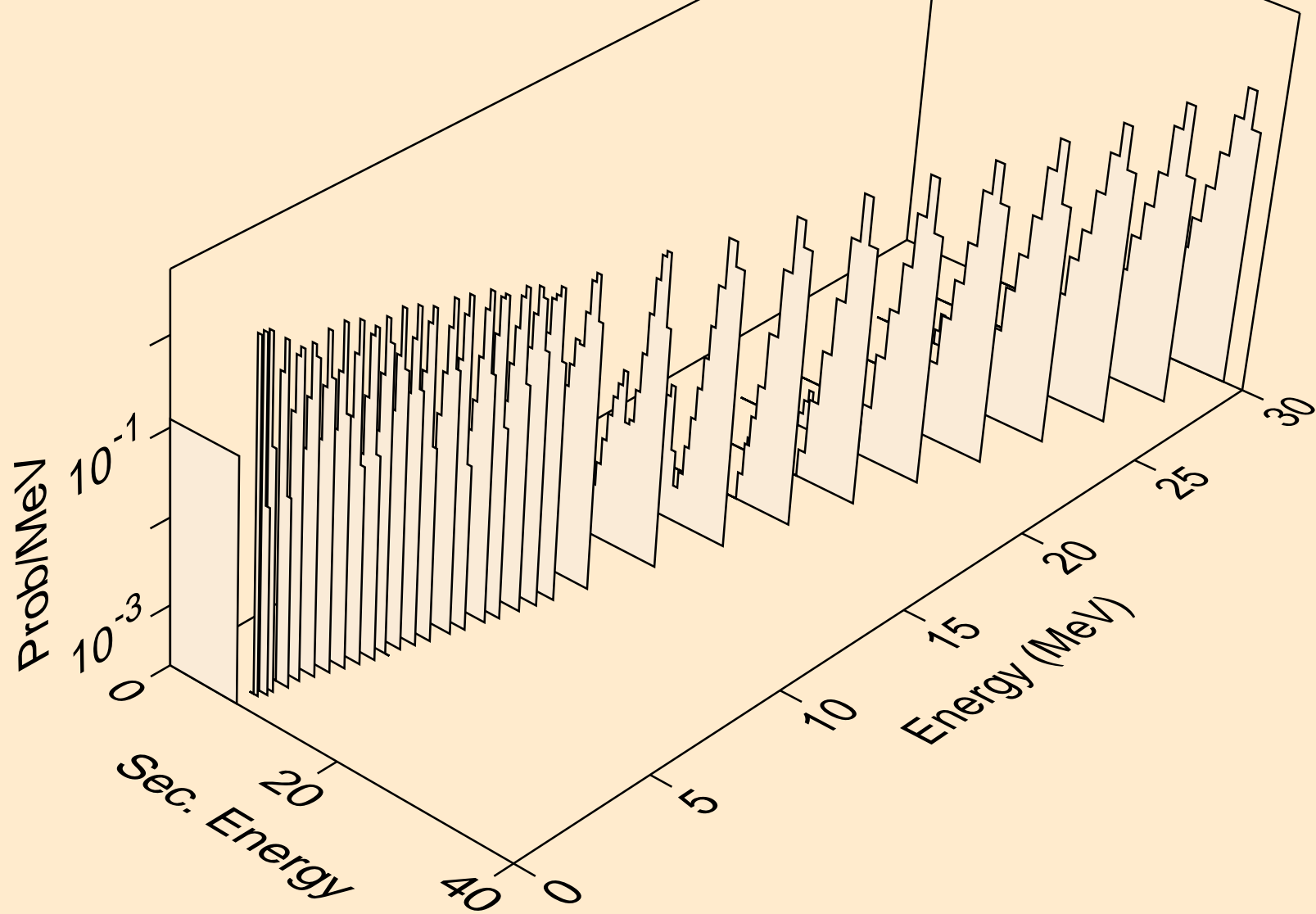
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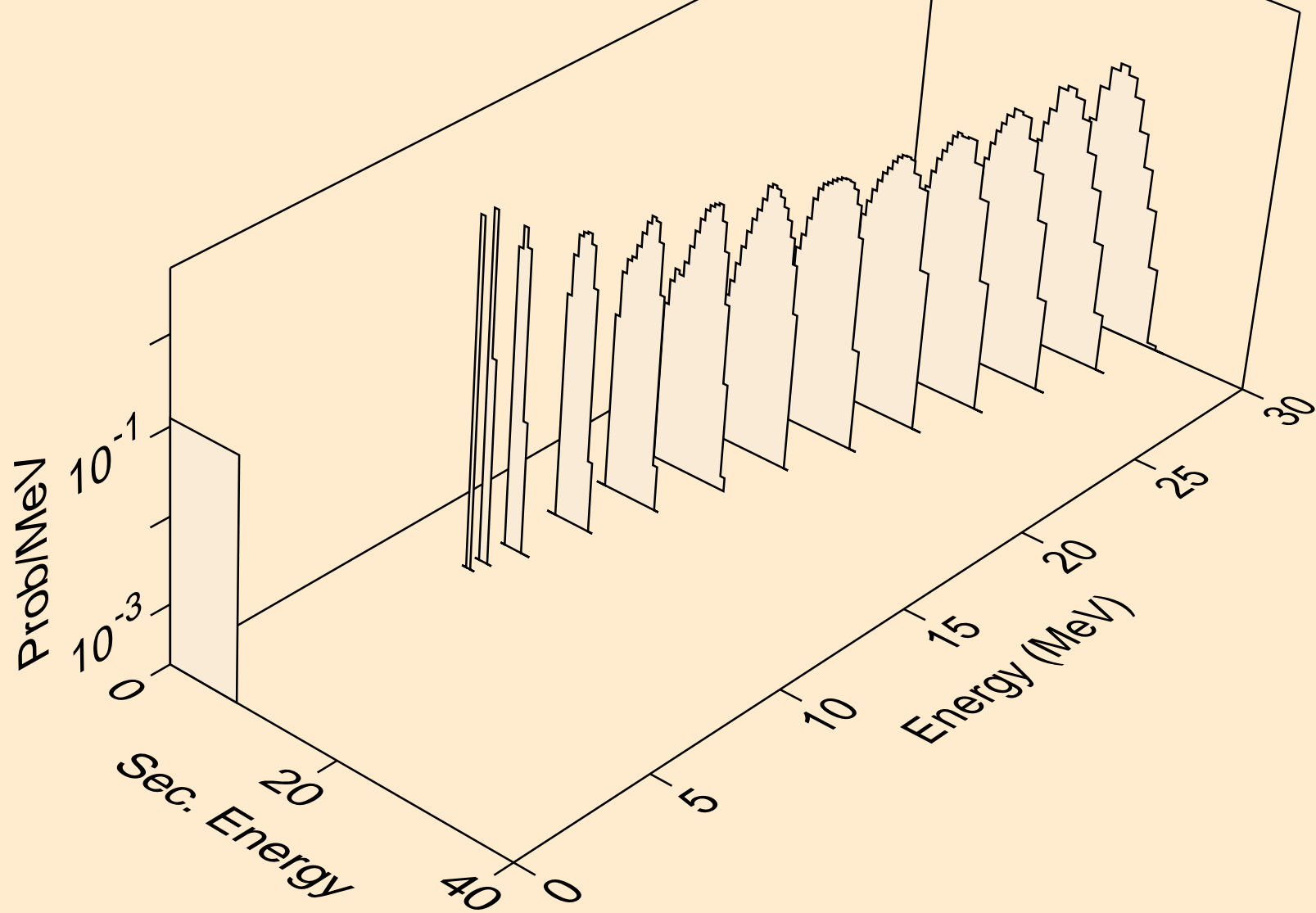
ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,x)



ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,n\*)a

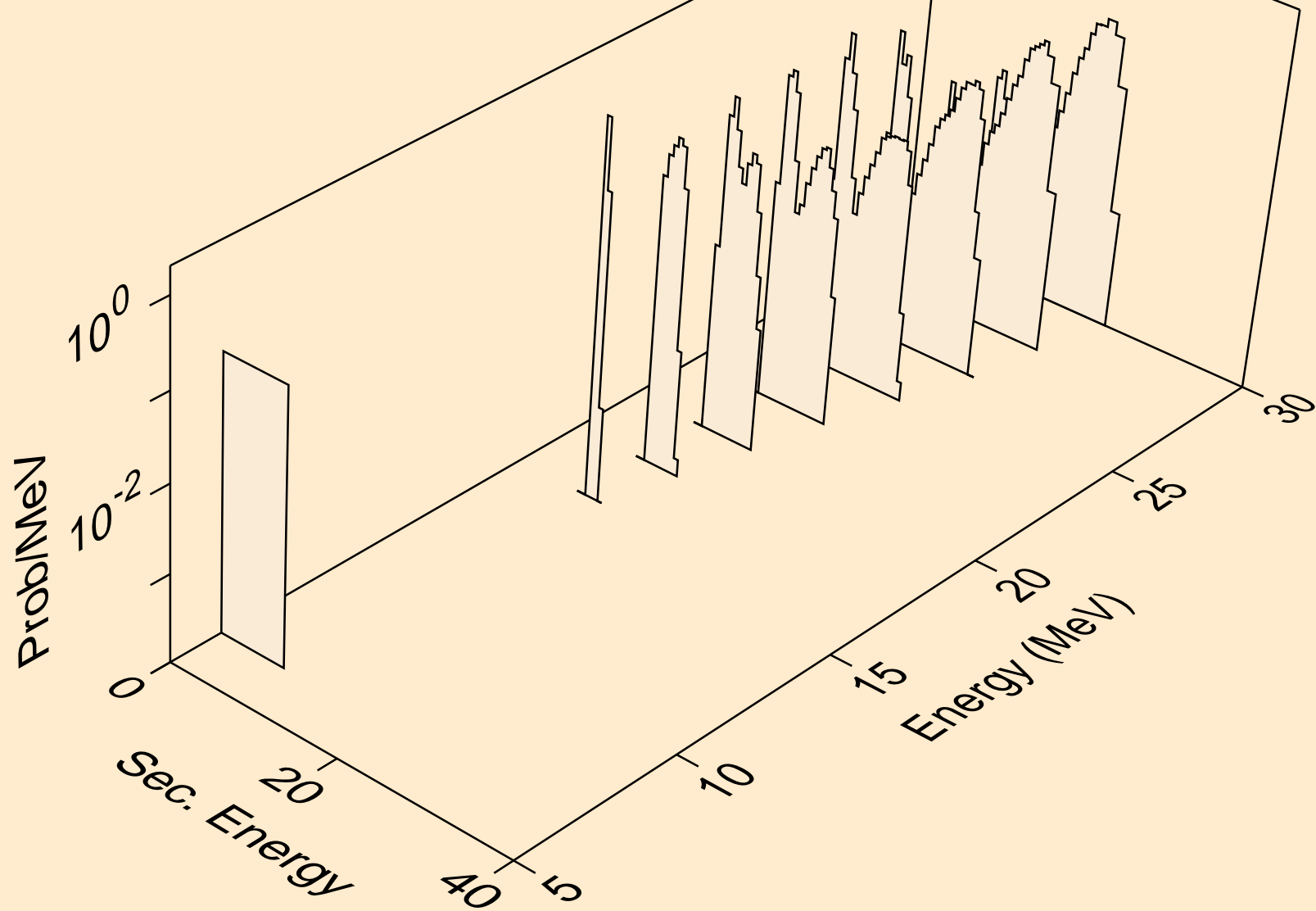


ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2n)a

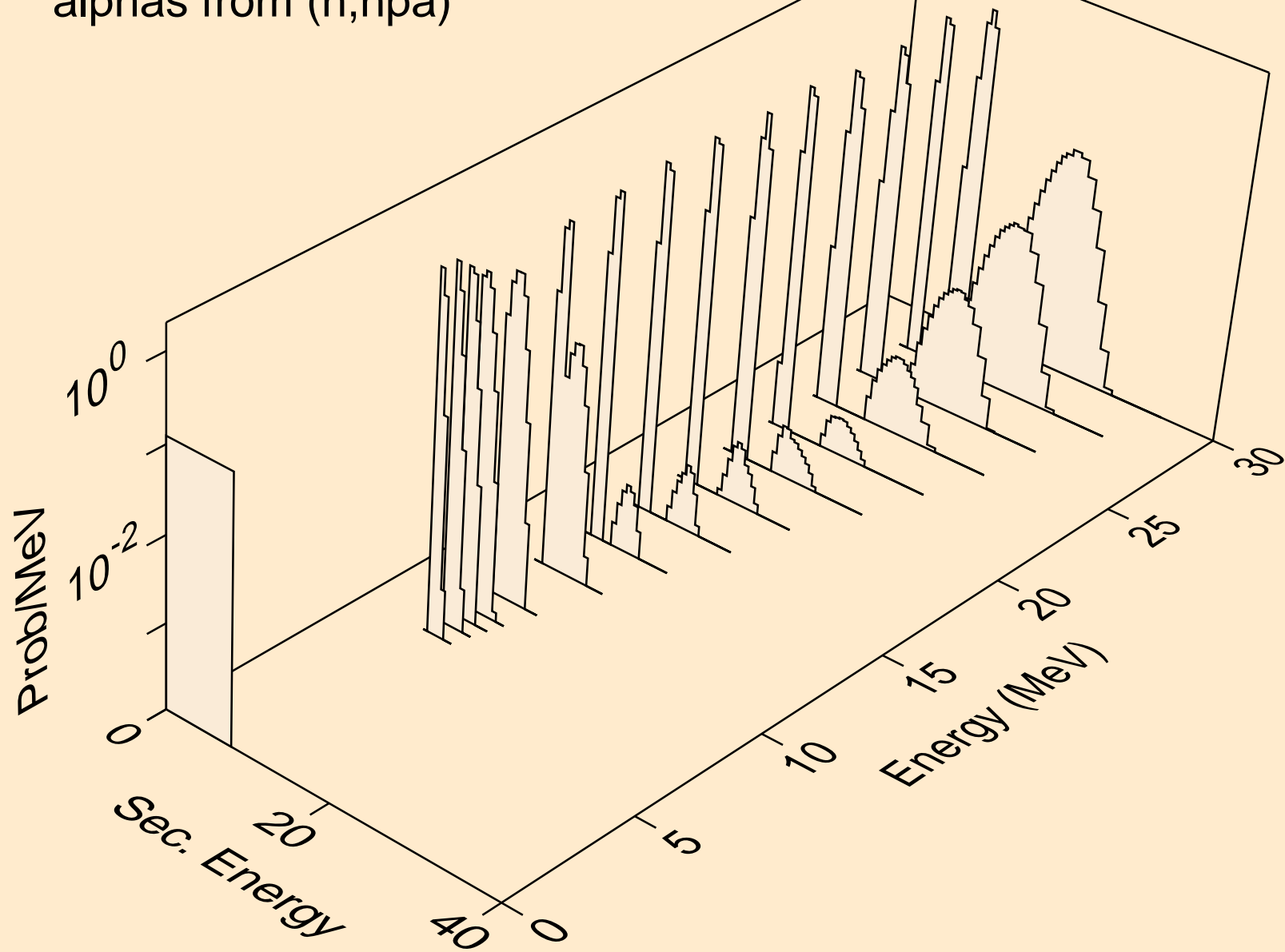




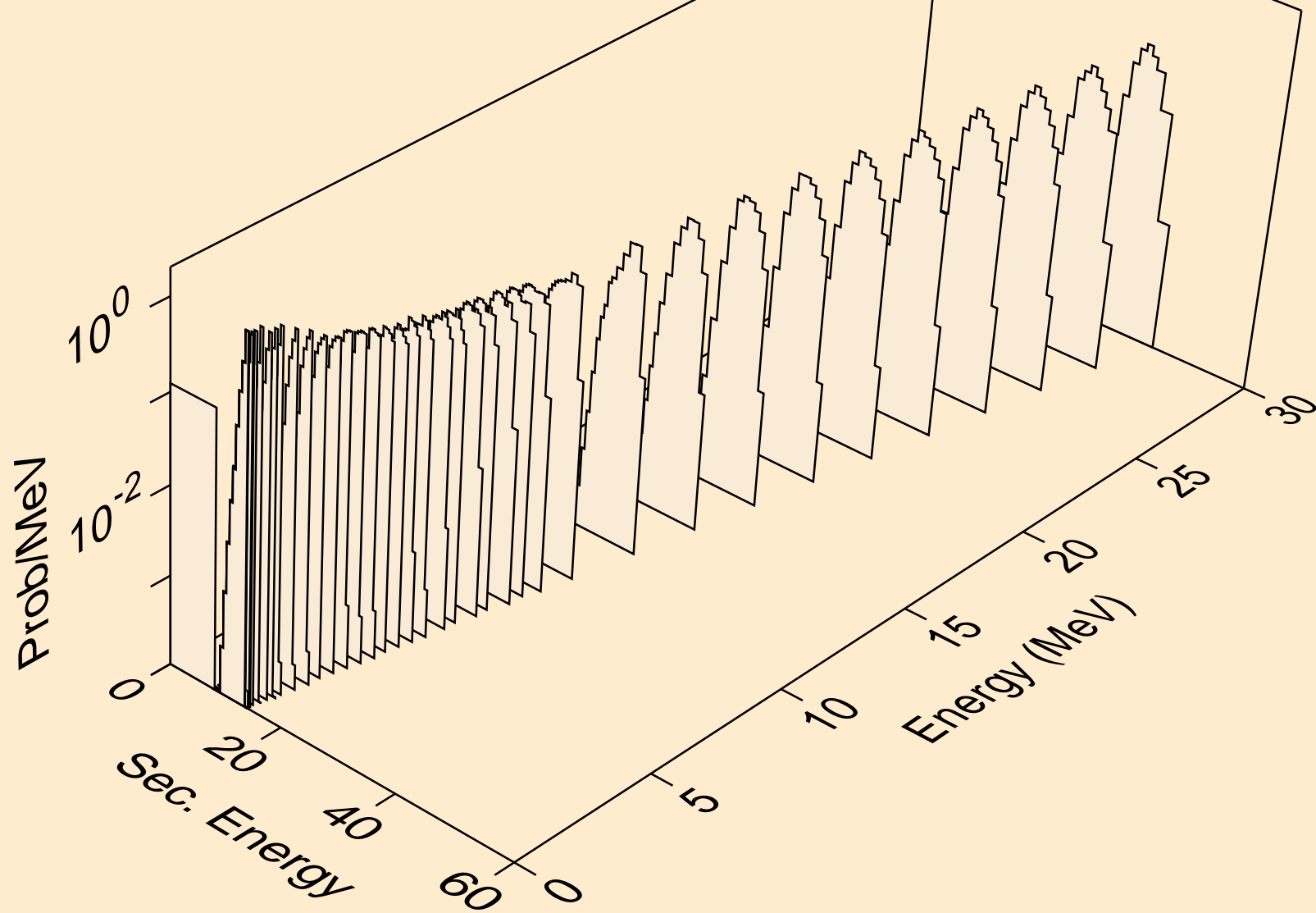
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alphas from (n,3n)a



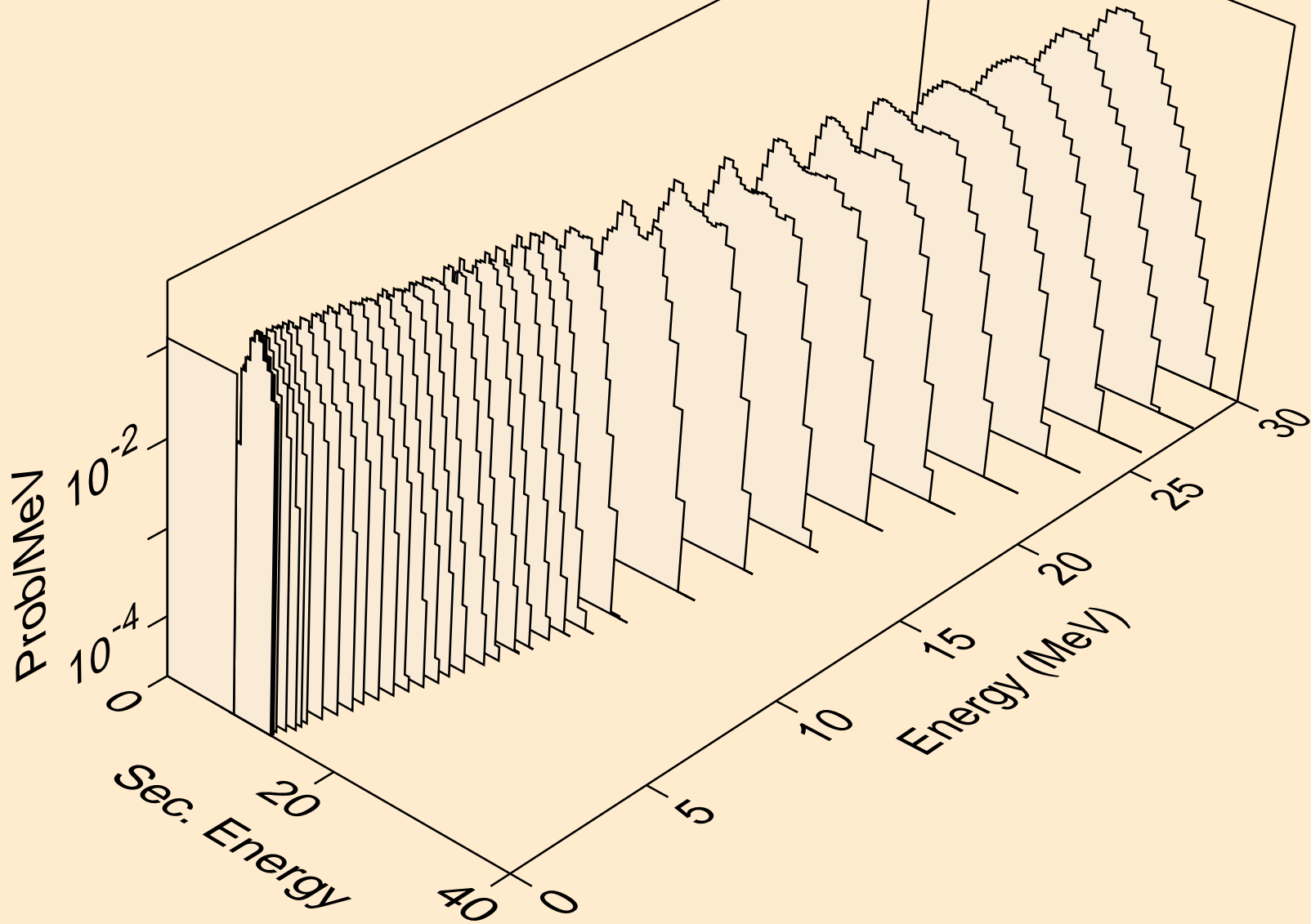
ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,npa)



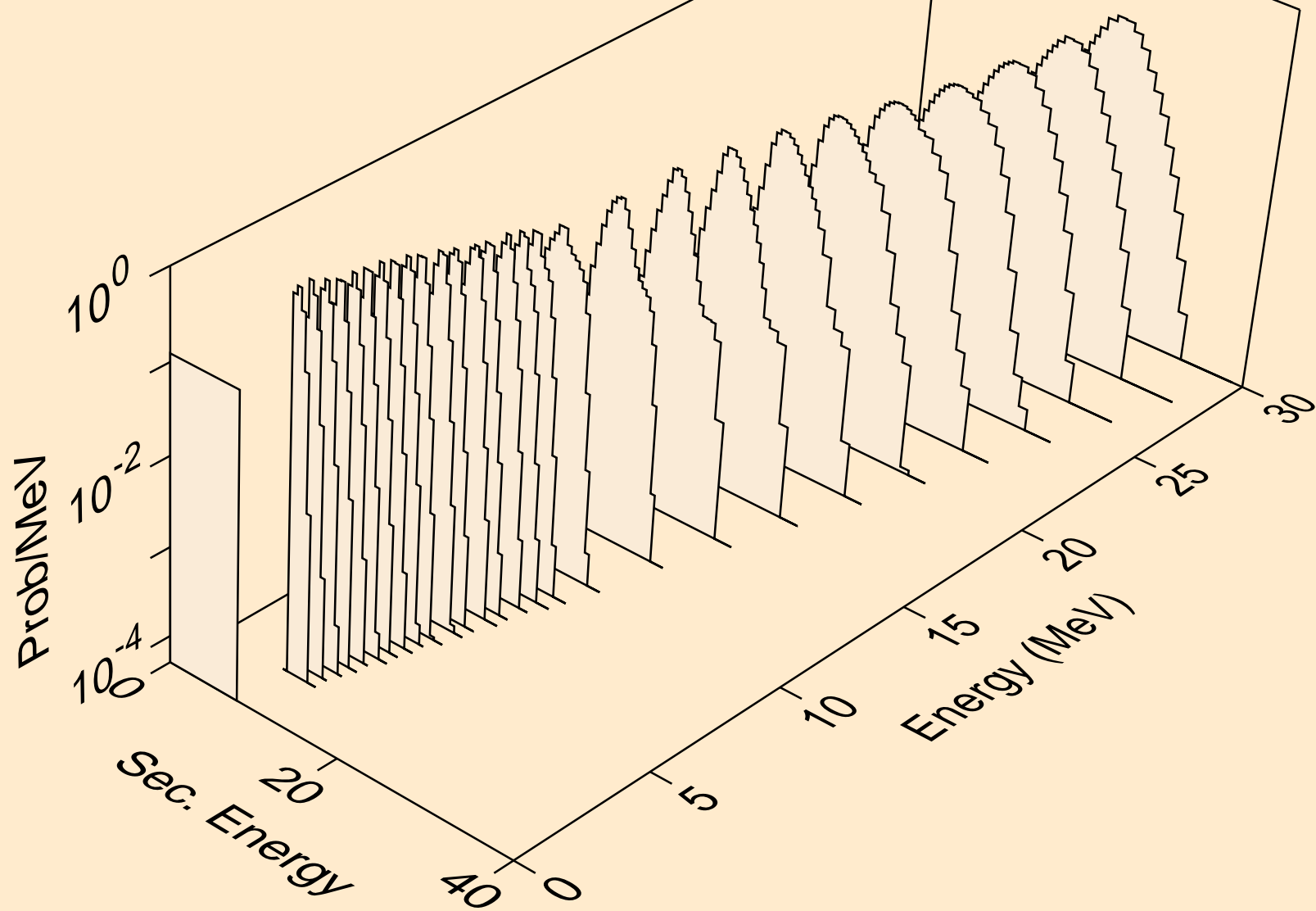
ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,a)



ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2a)



ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,p)



ES245 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,da)

