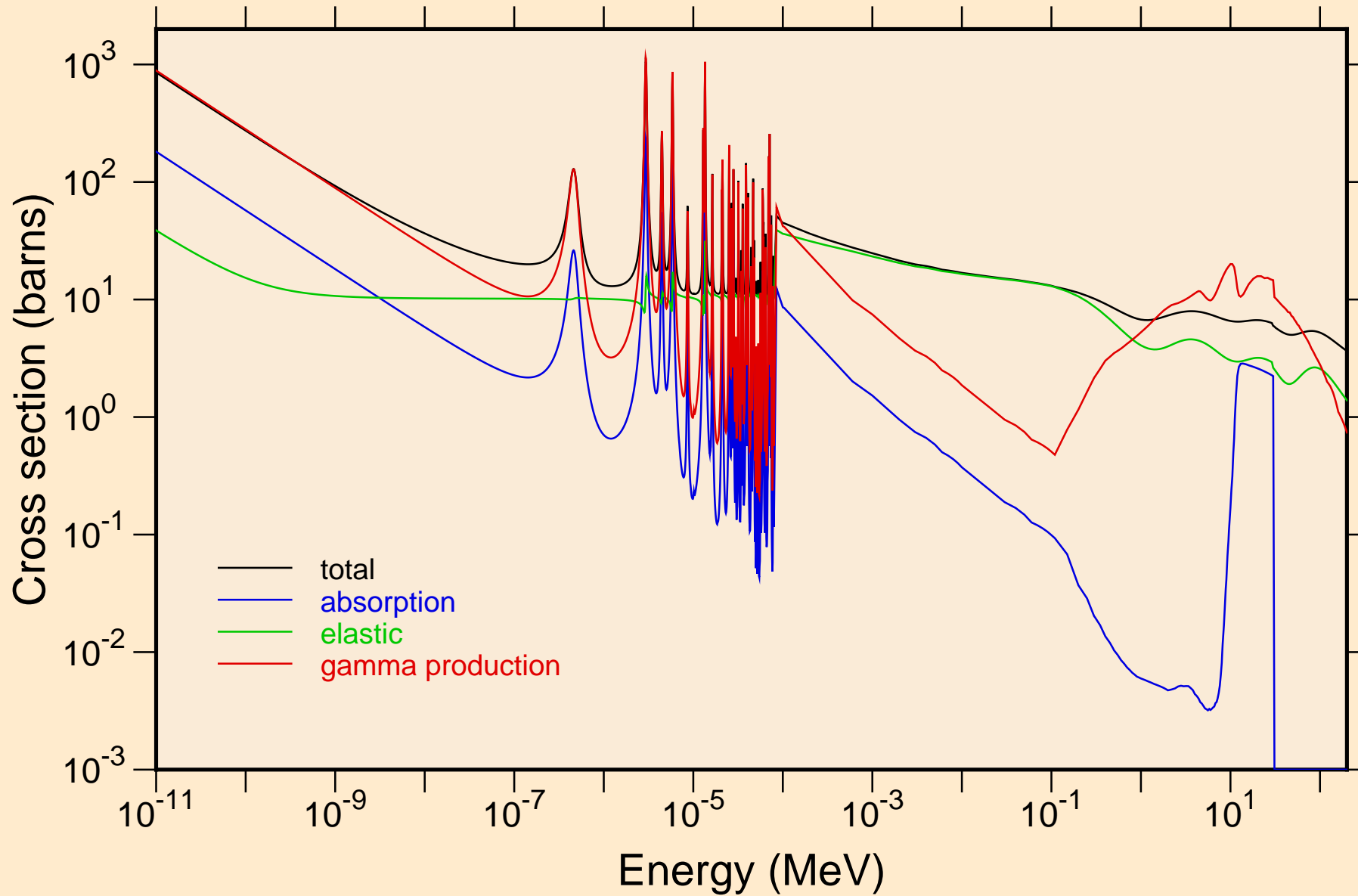
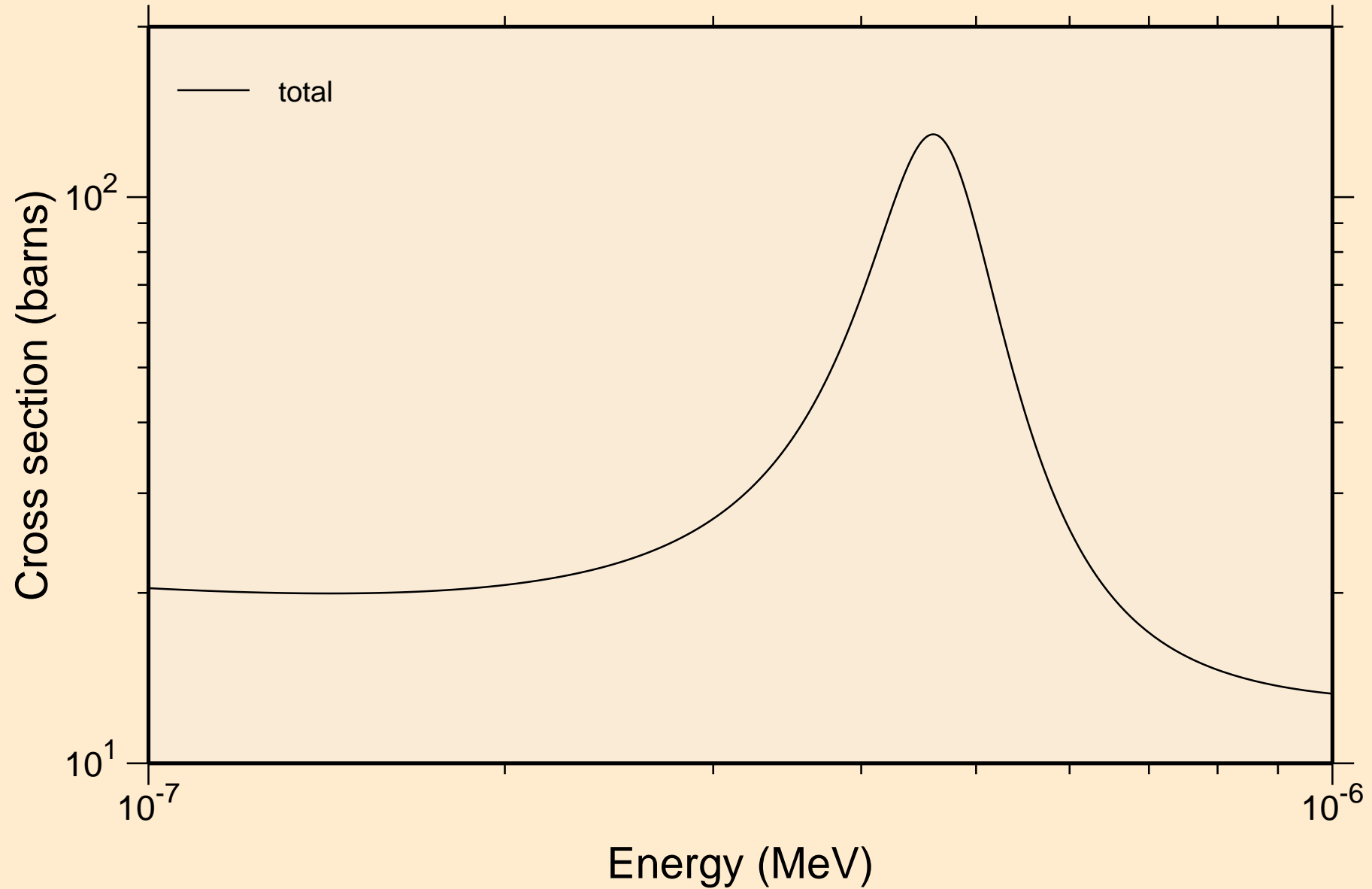


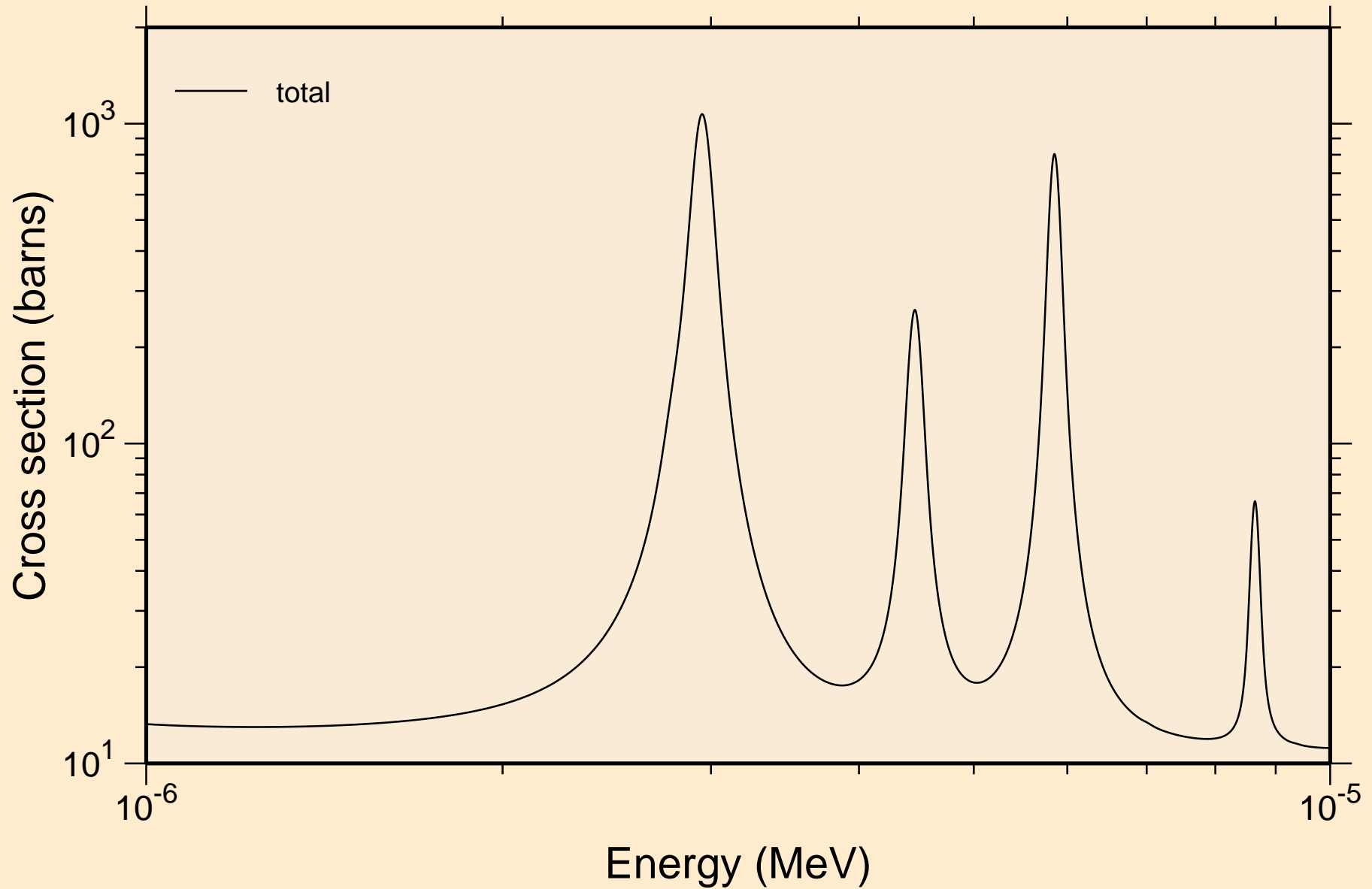
TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Principal cross sections



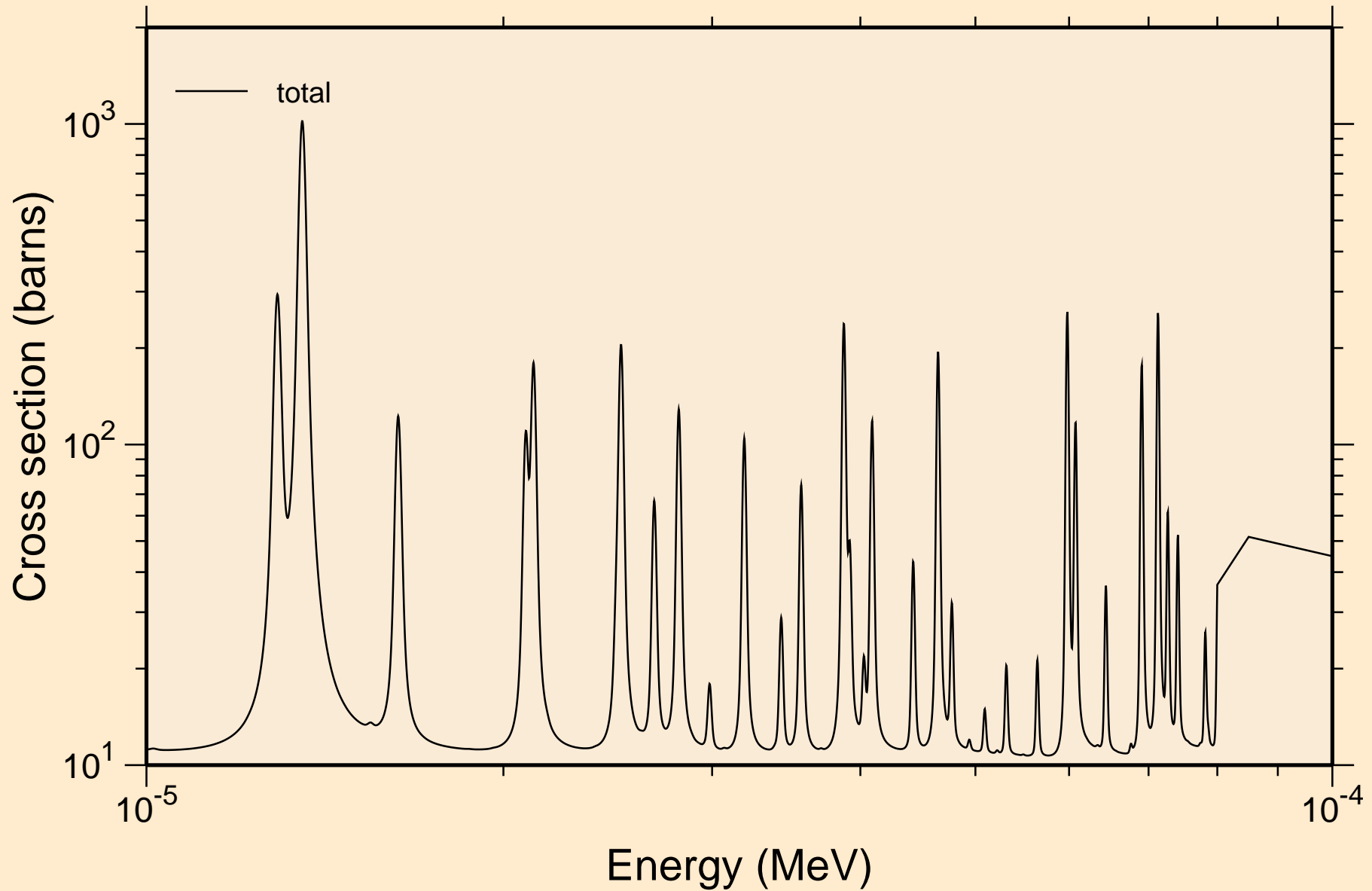
TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



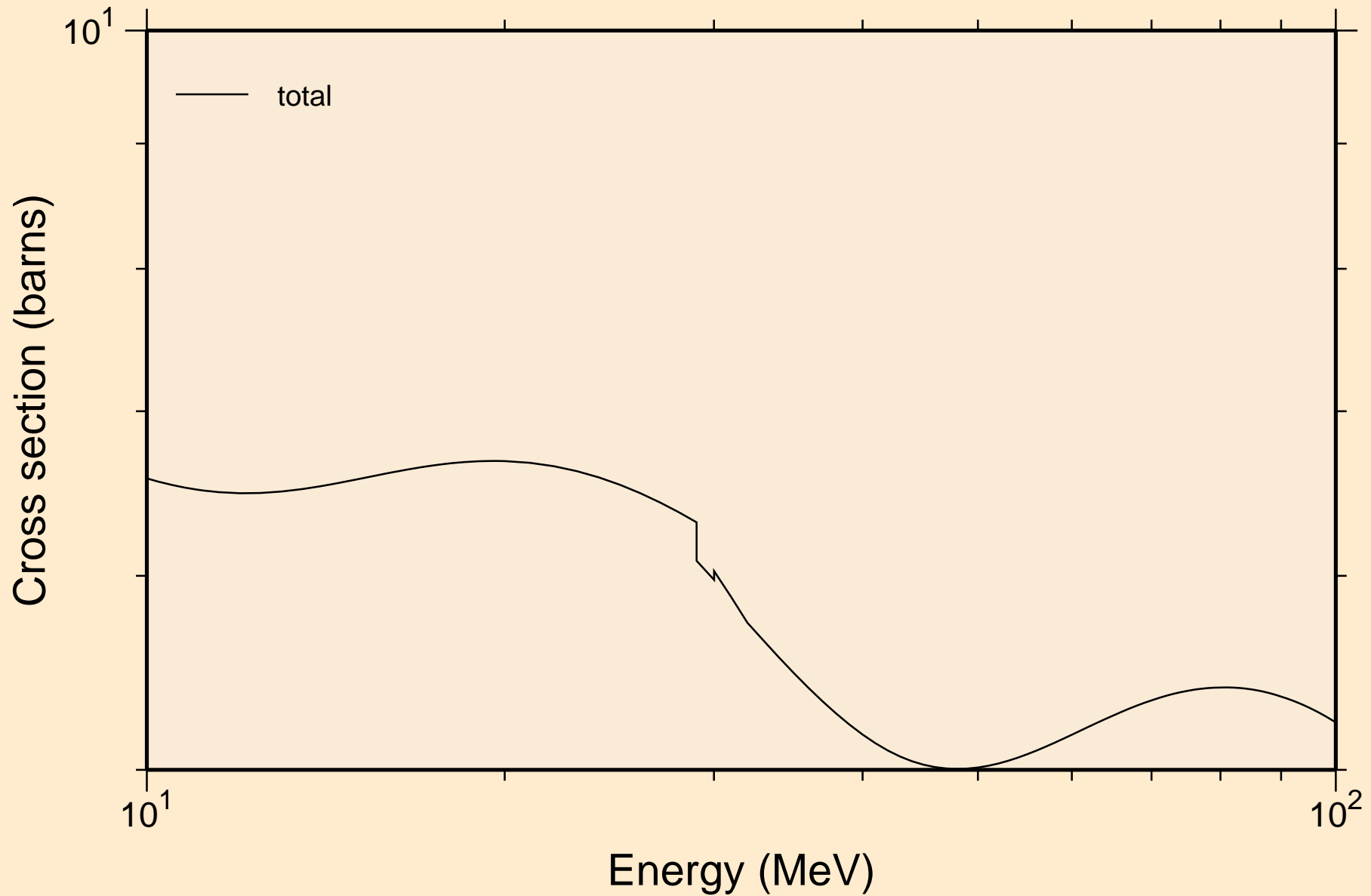
TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



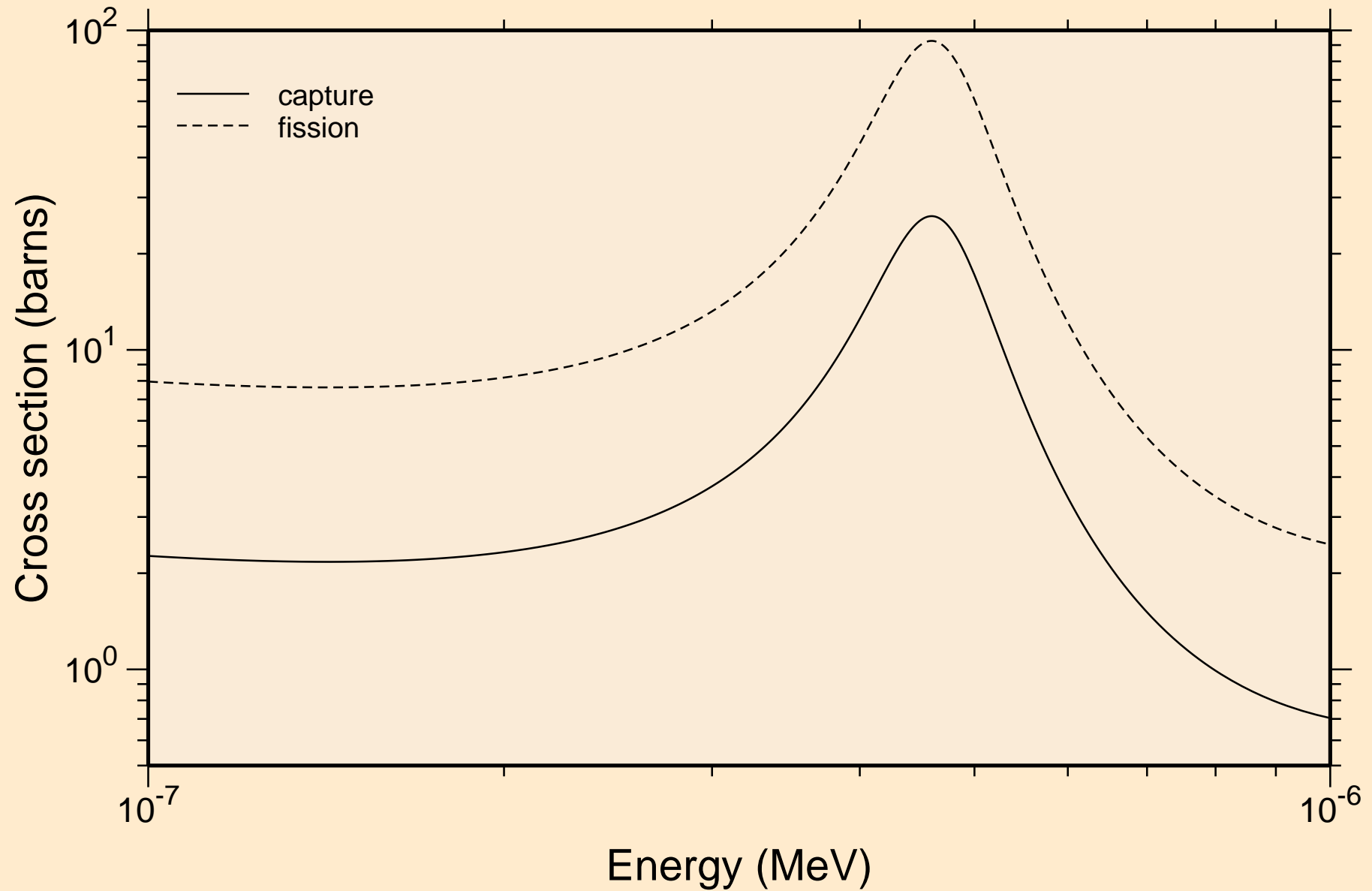
TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



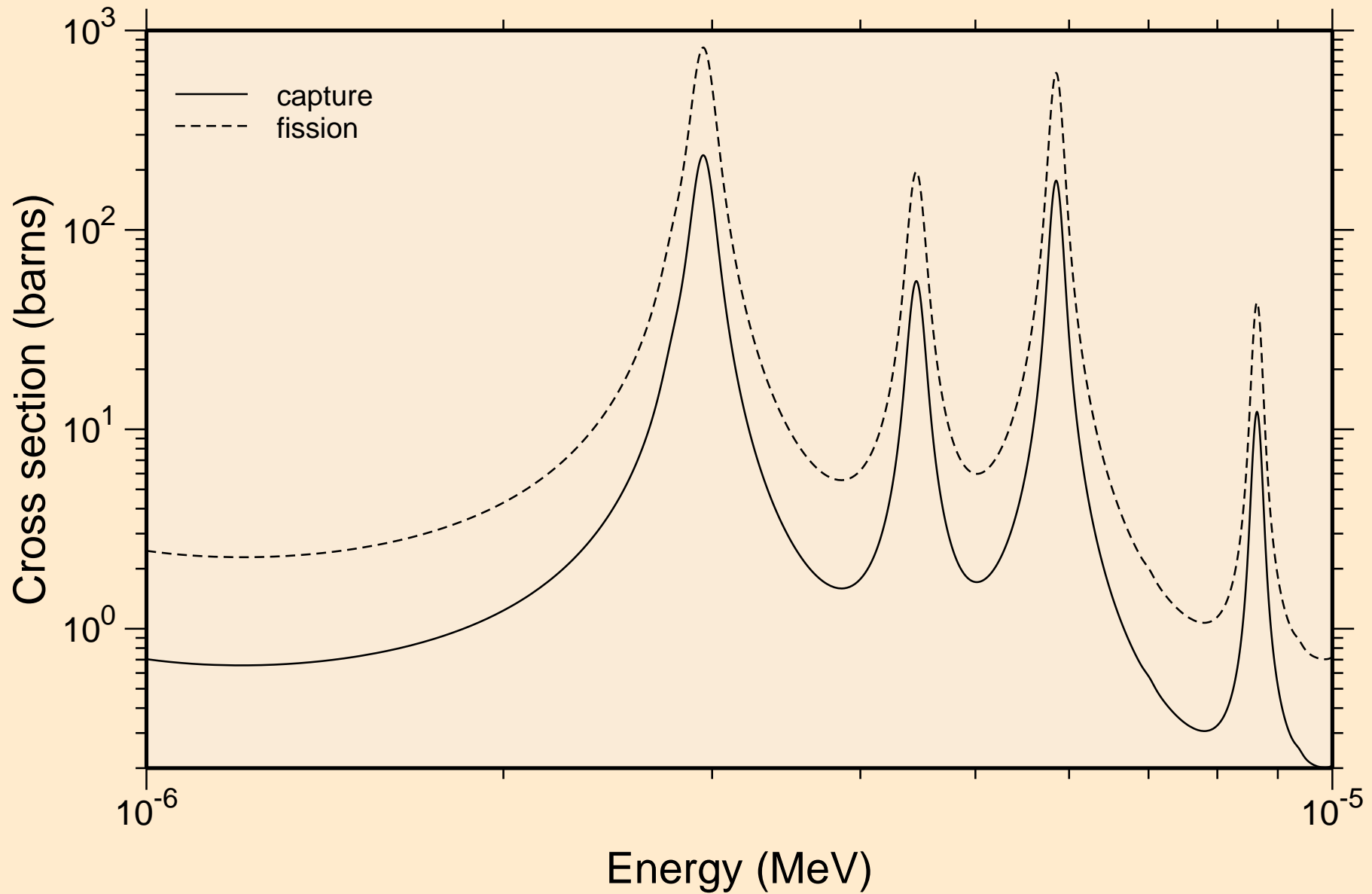
TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



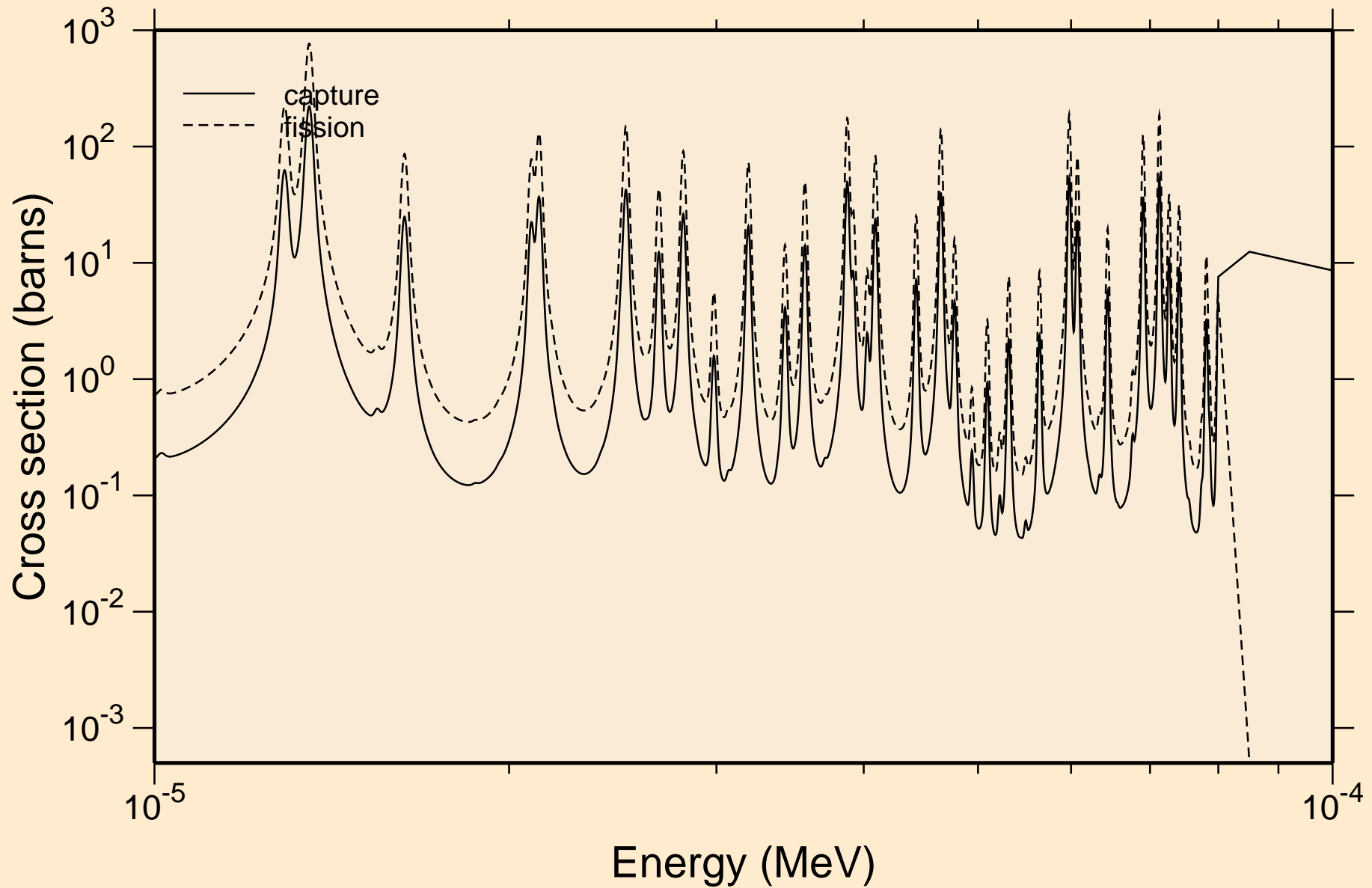
TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections

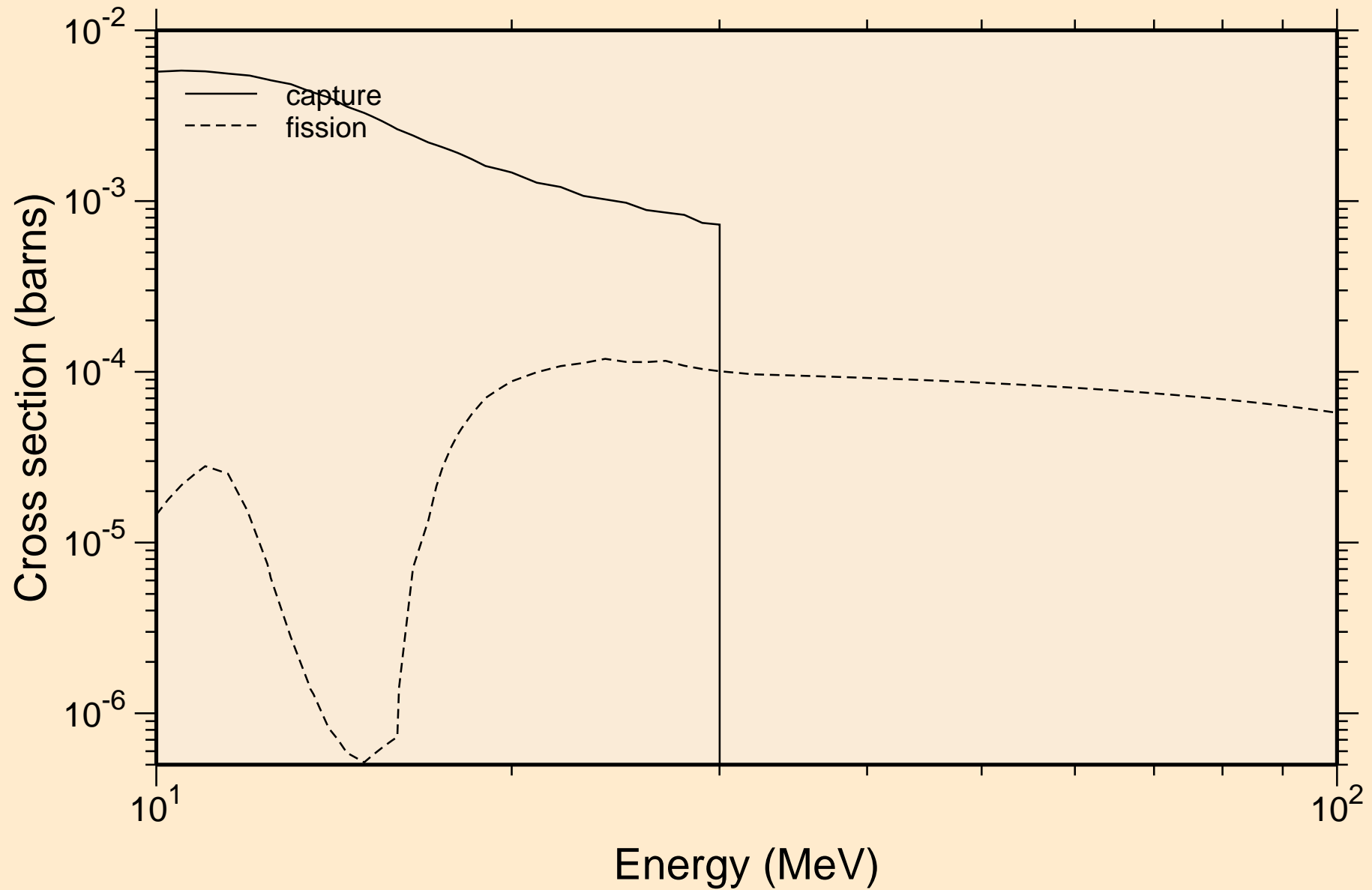


TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections

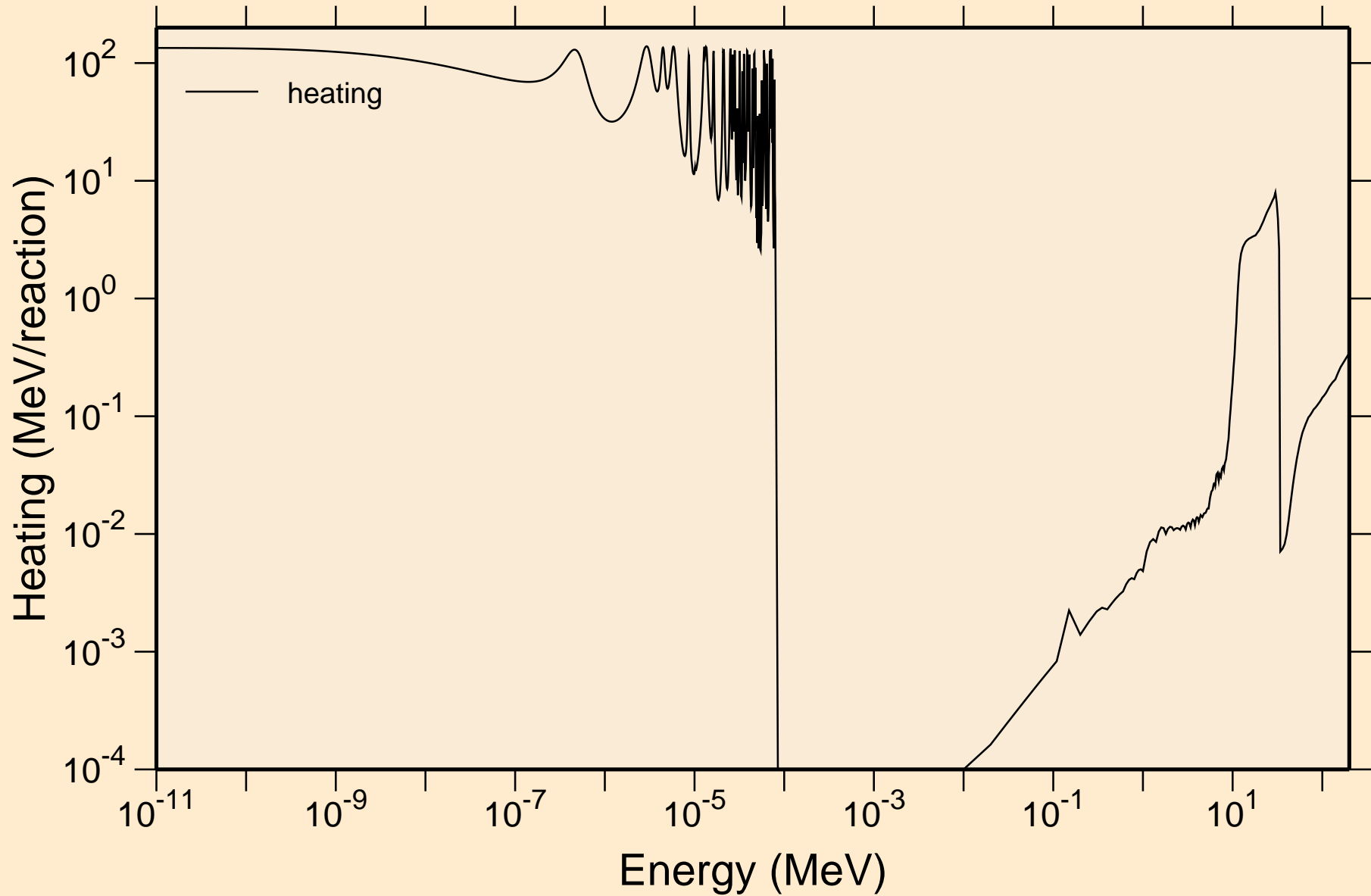




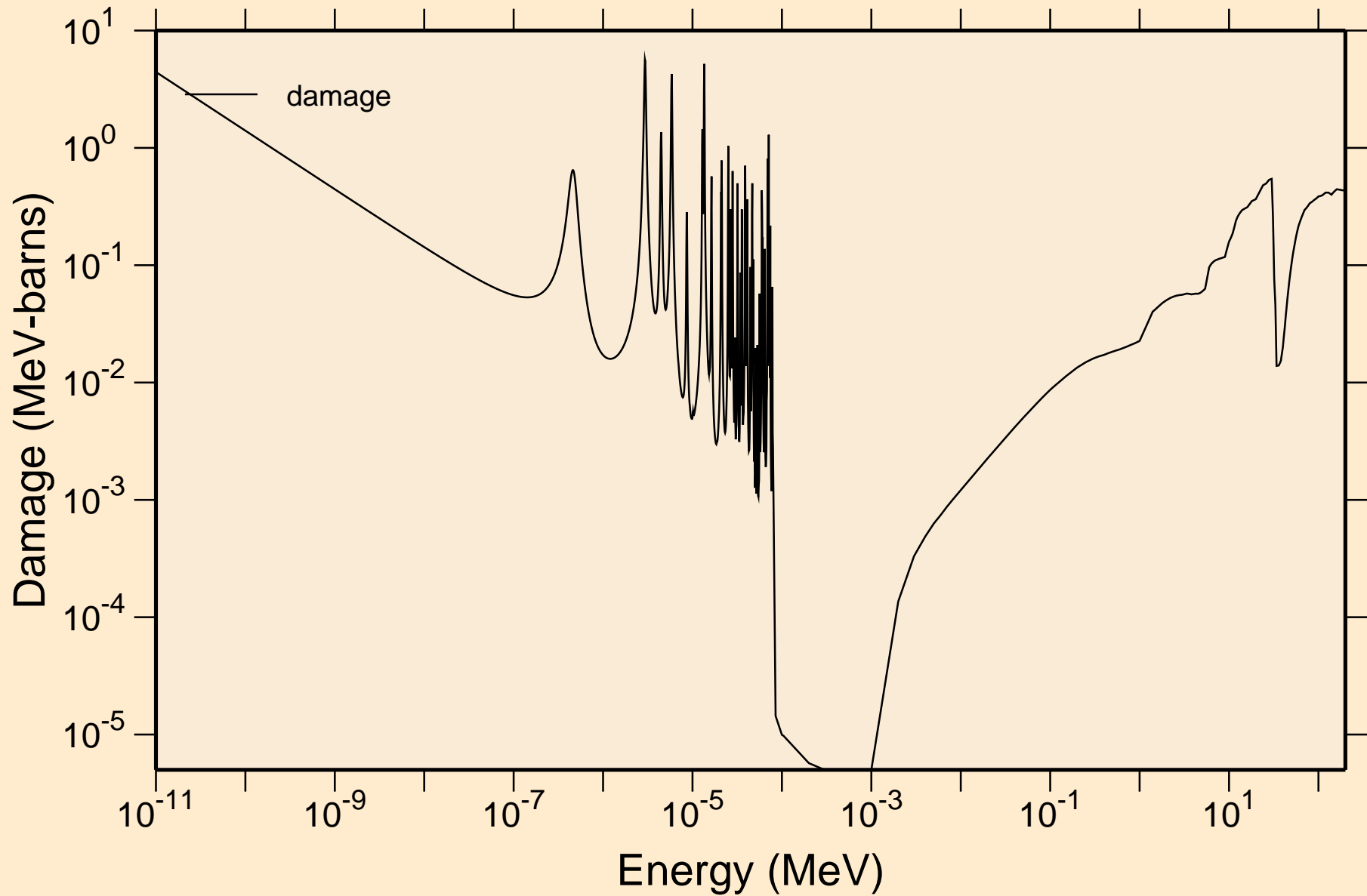
TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



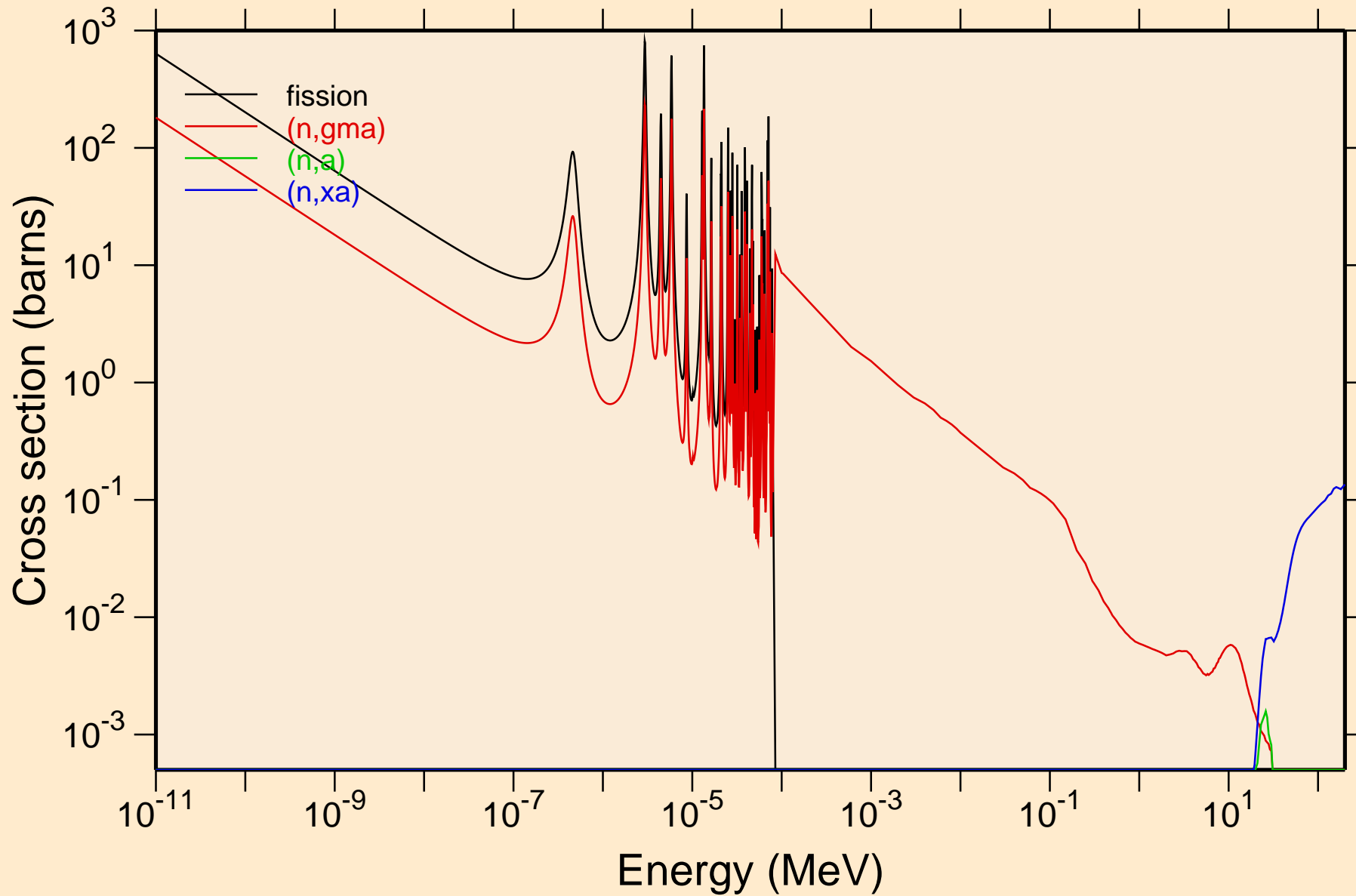
TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Heating



TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Damage

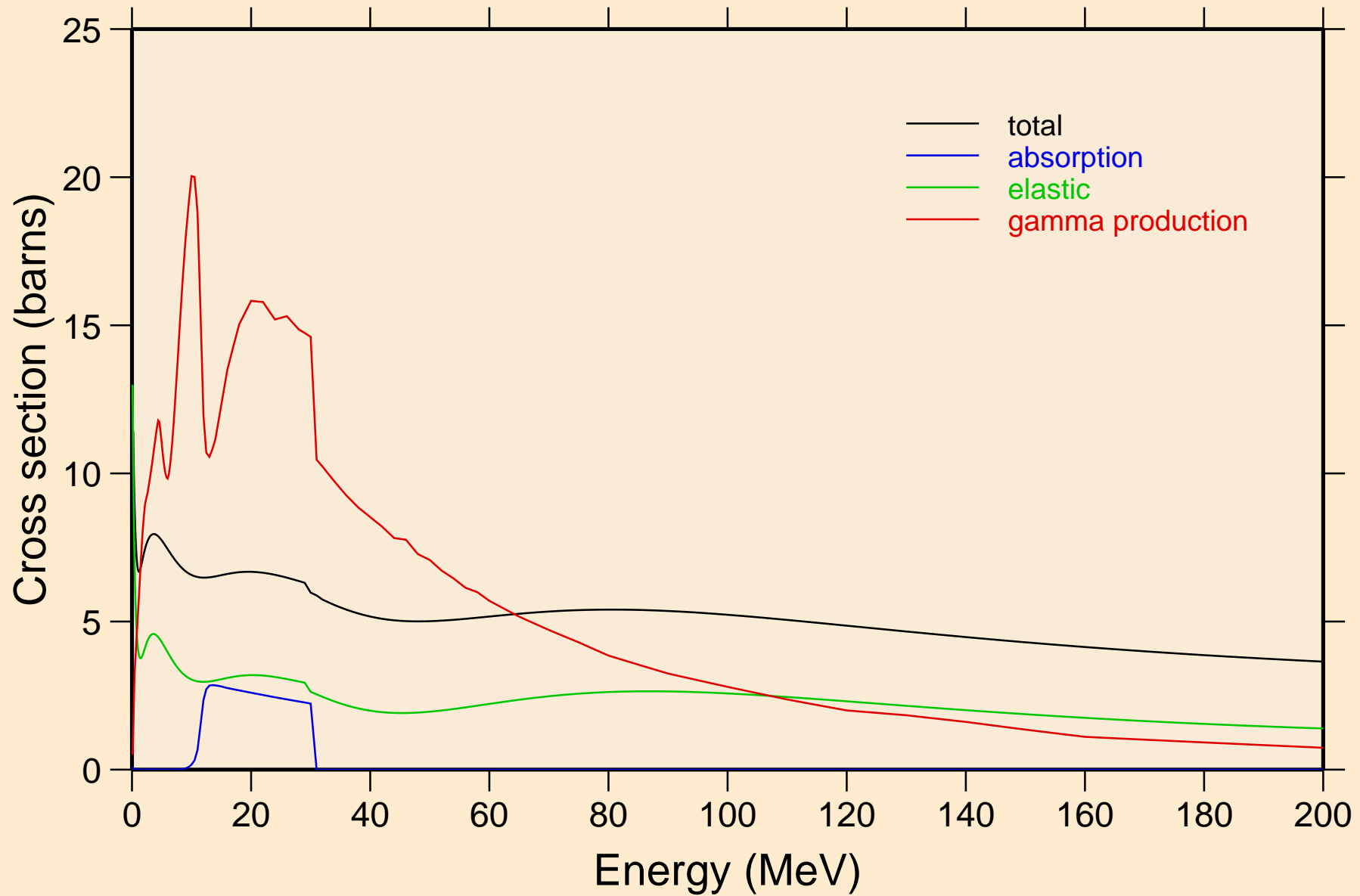


TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions



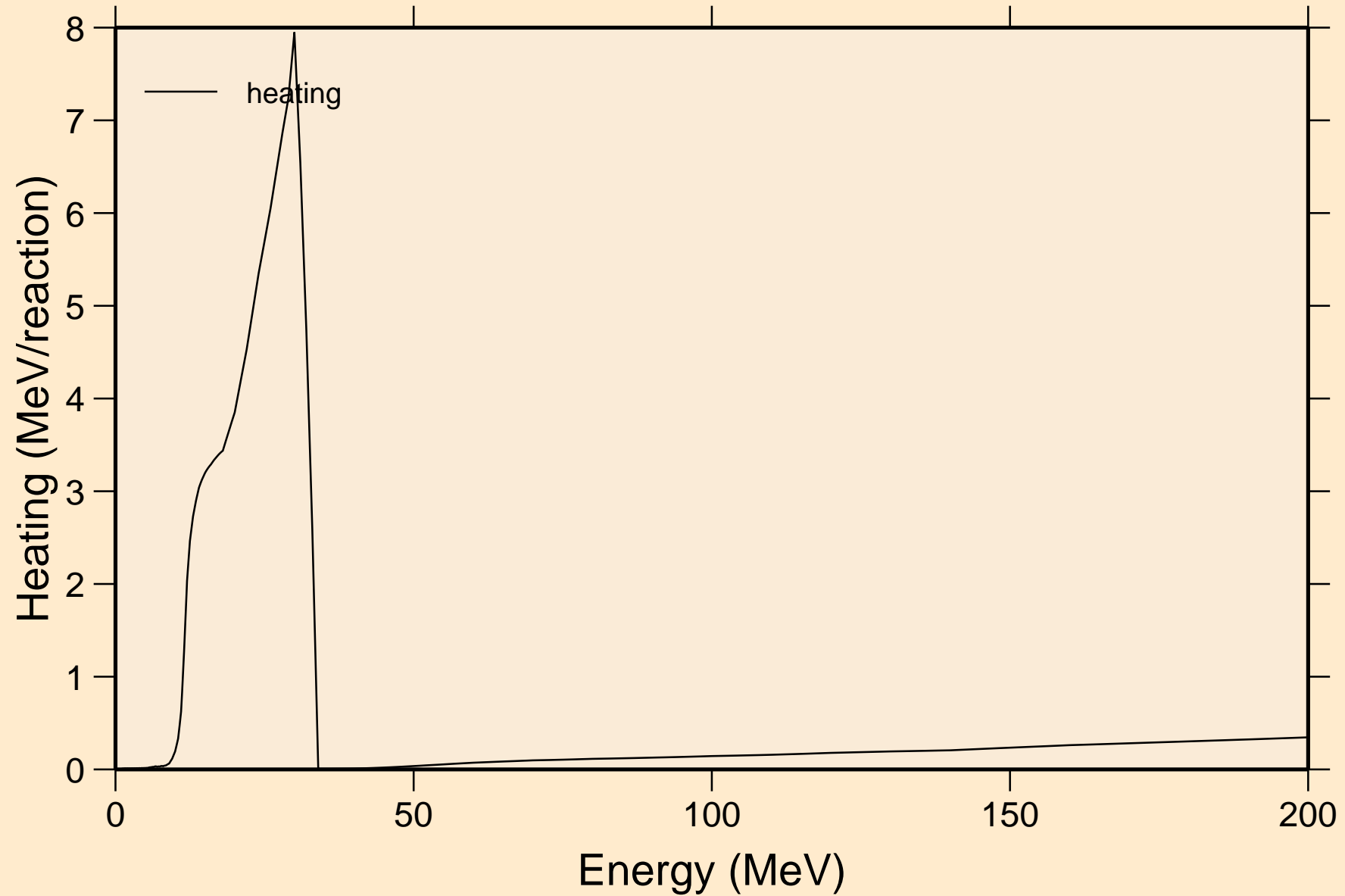
# TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Principal cross sections

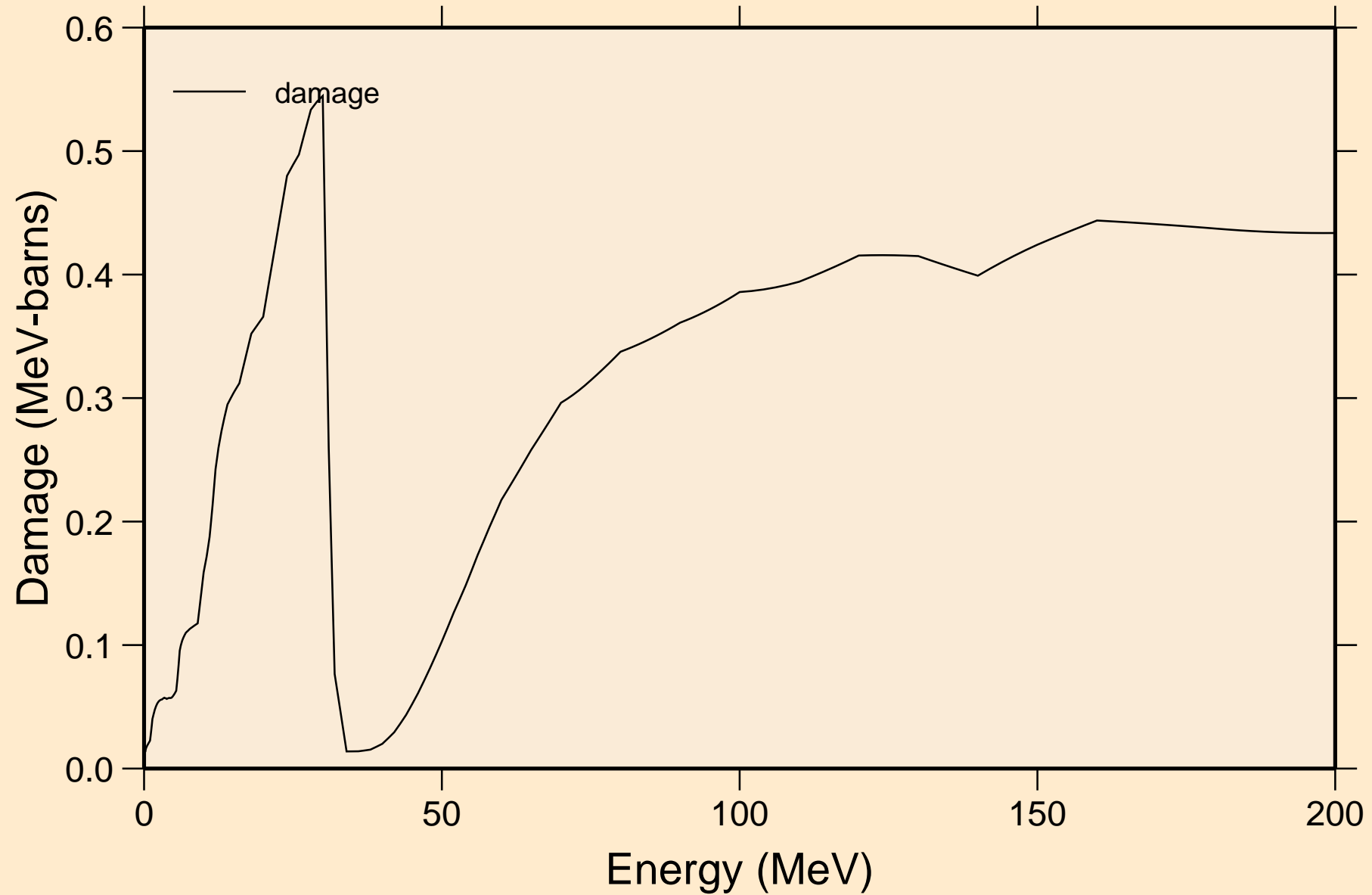


# TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

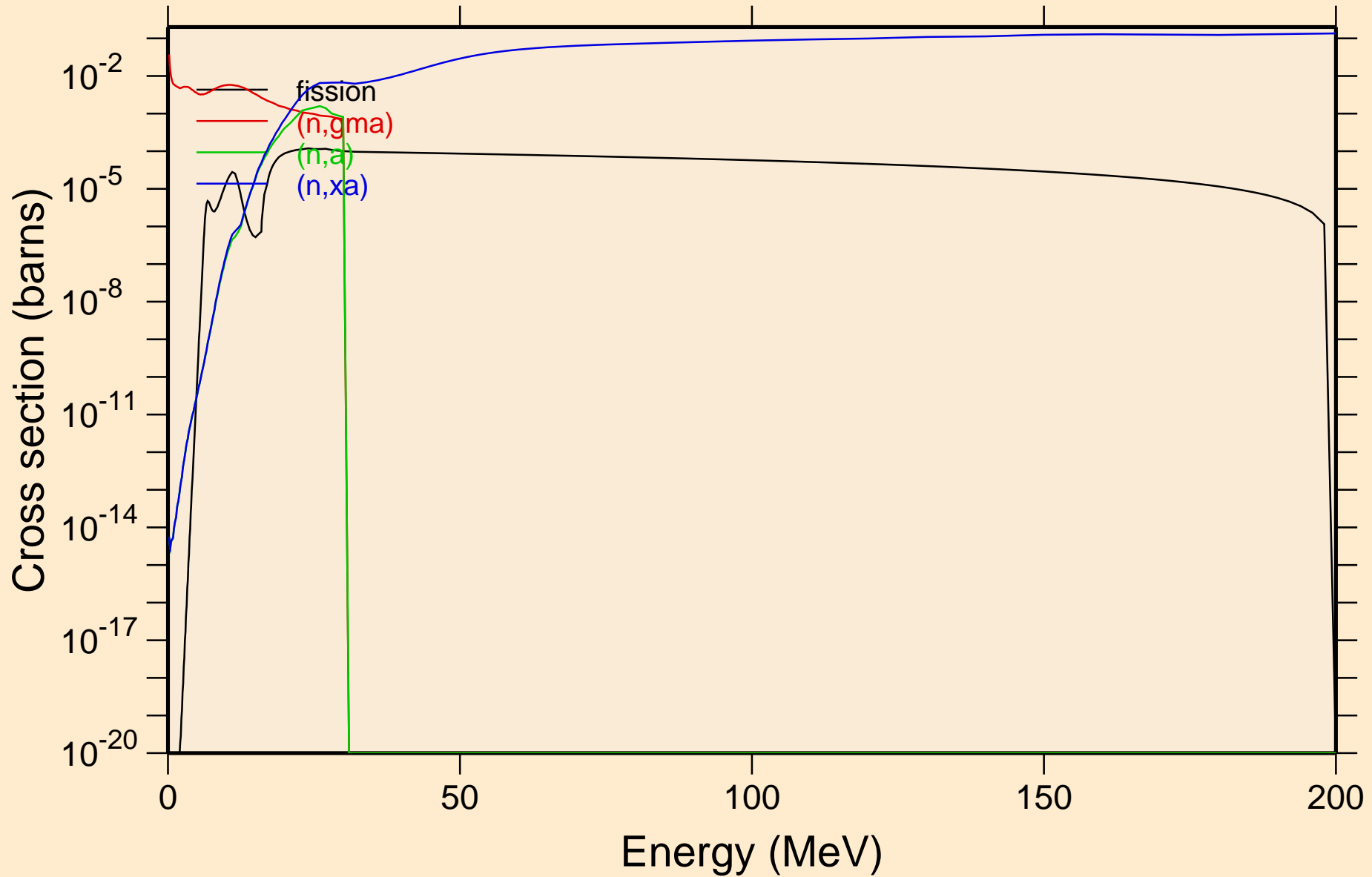
## Heating



TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Damage

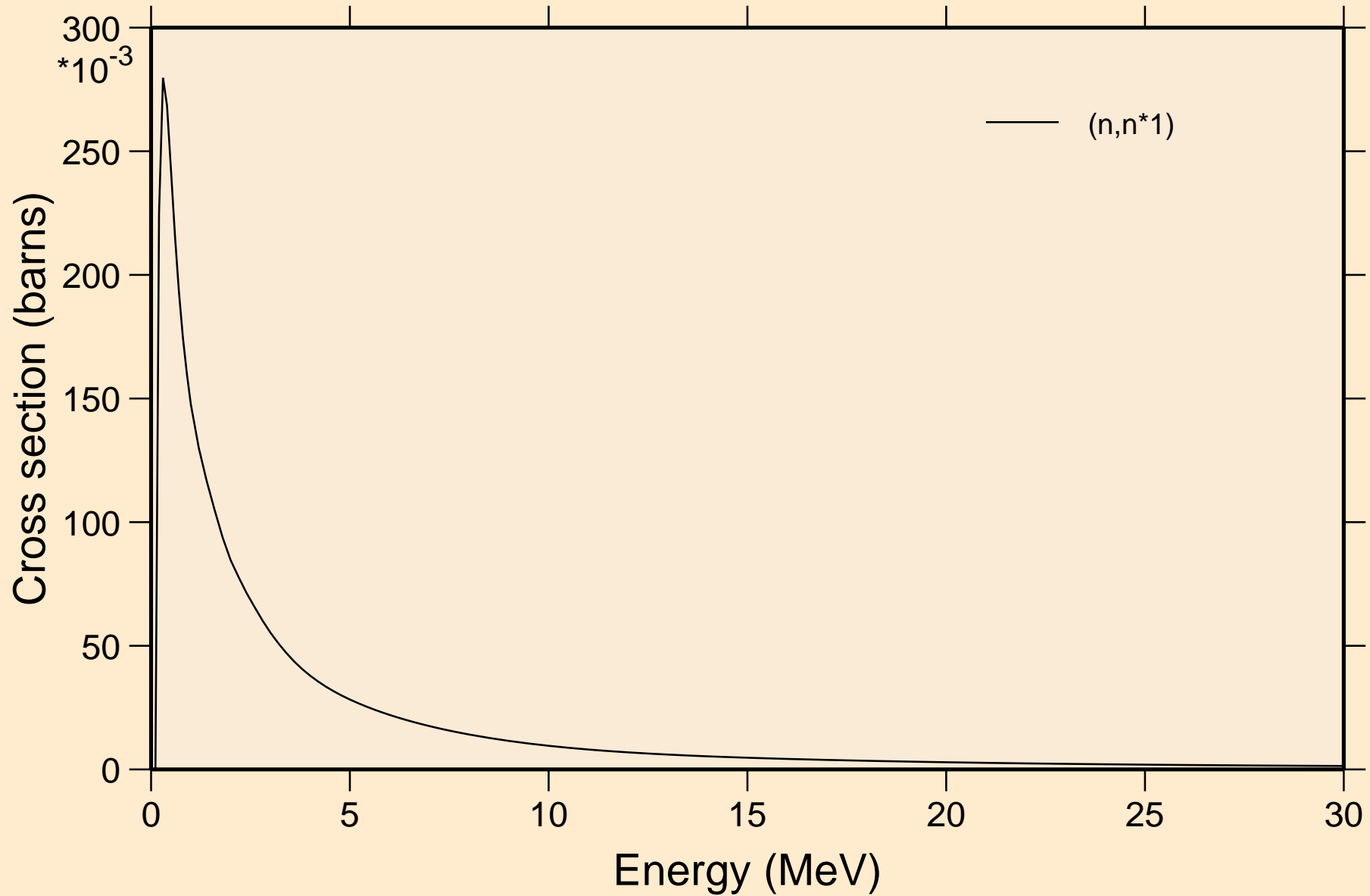


TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions

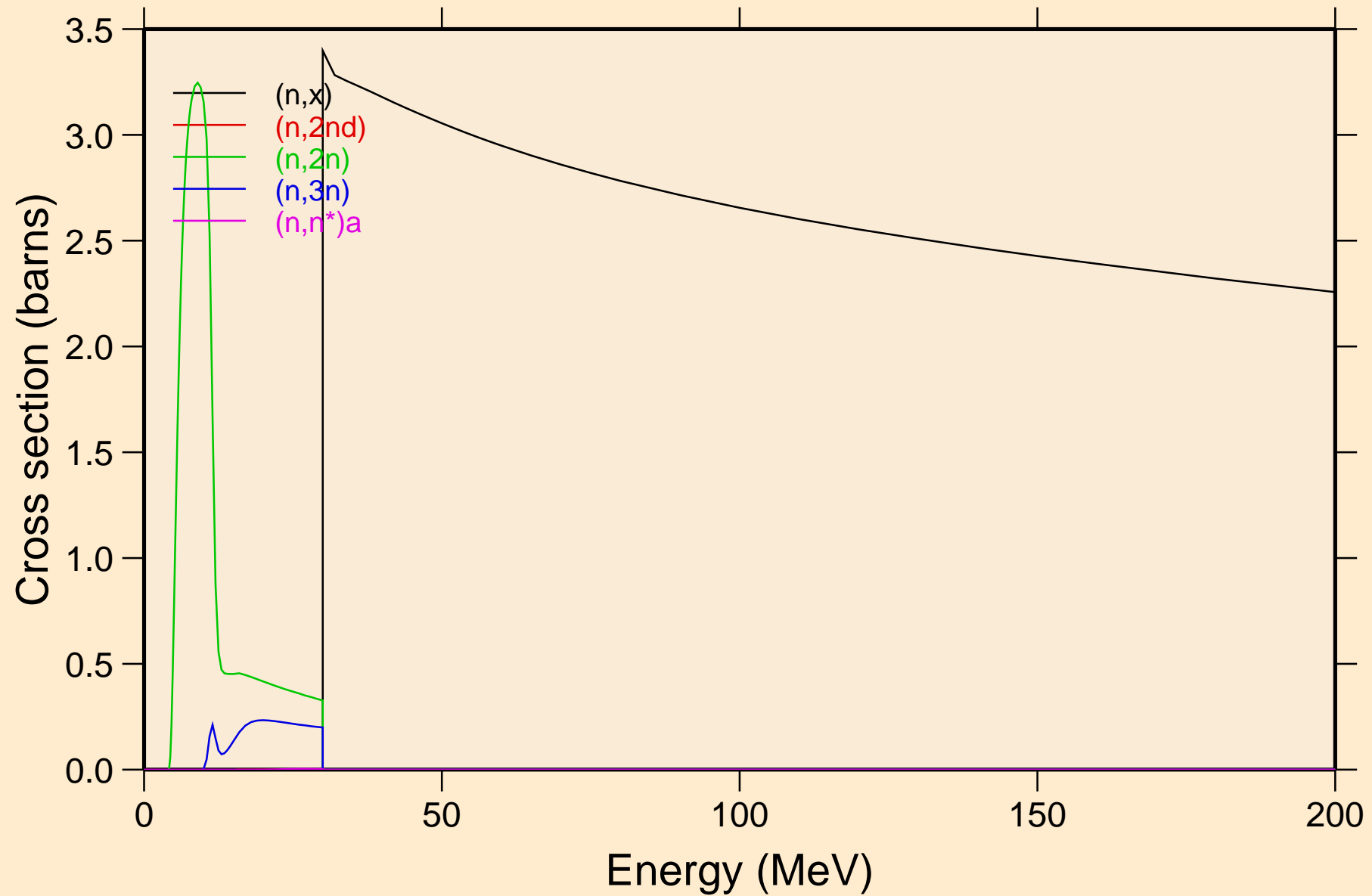




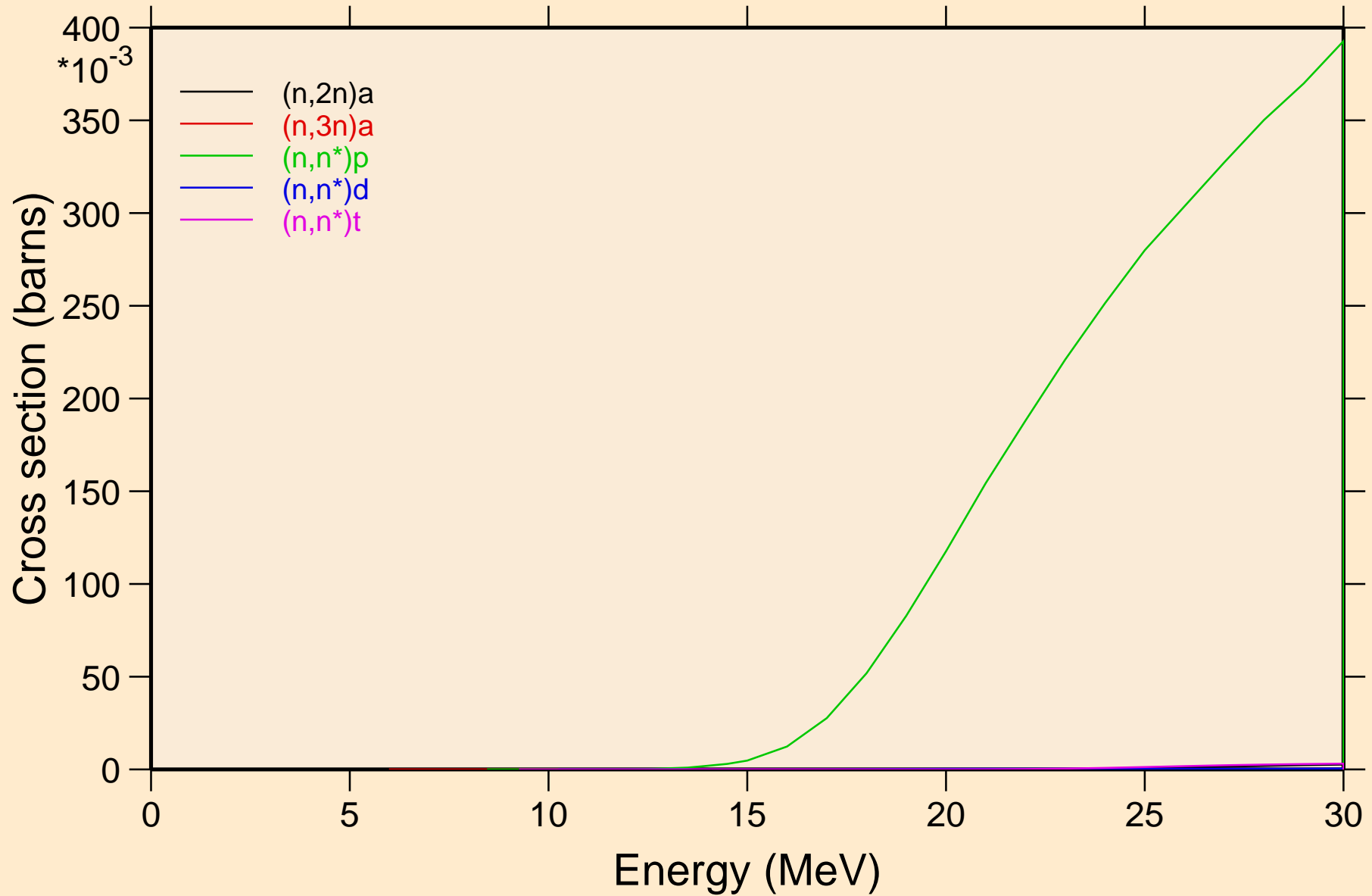
TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



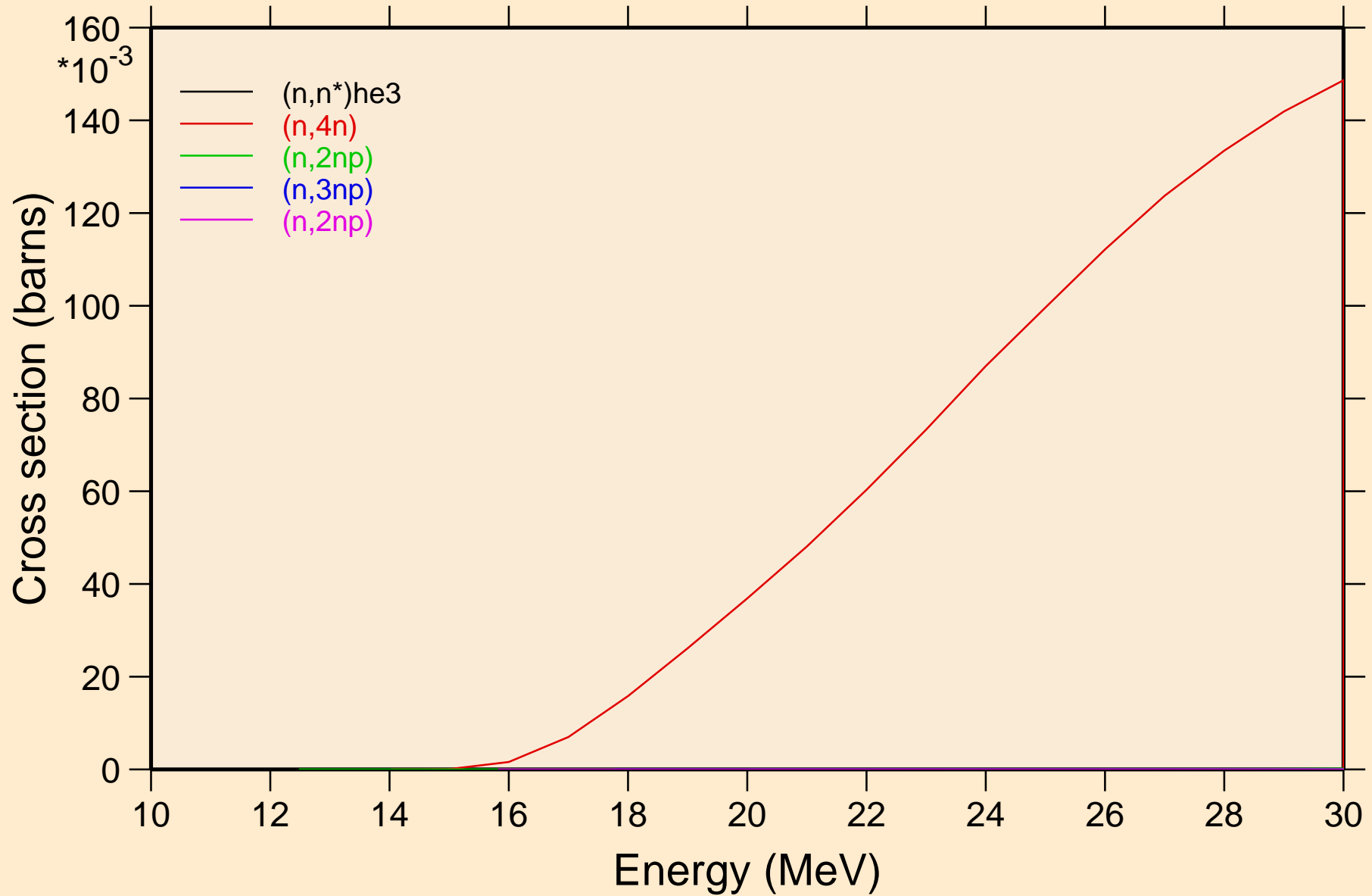
TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



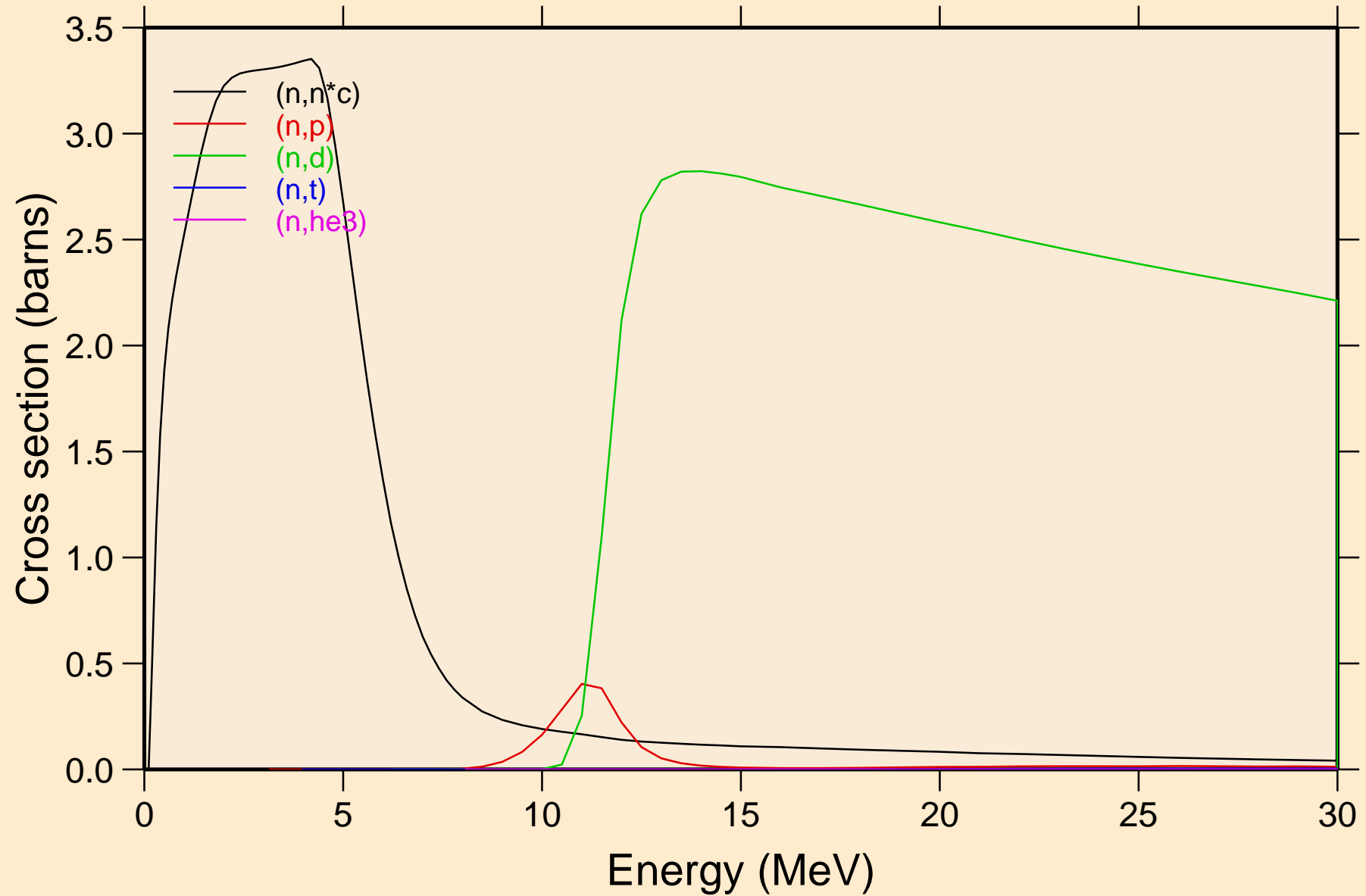
TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



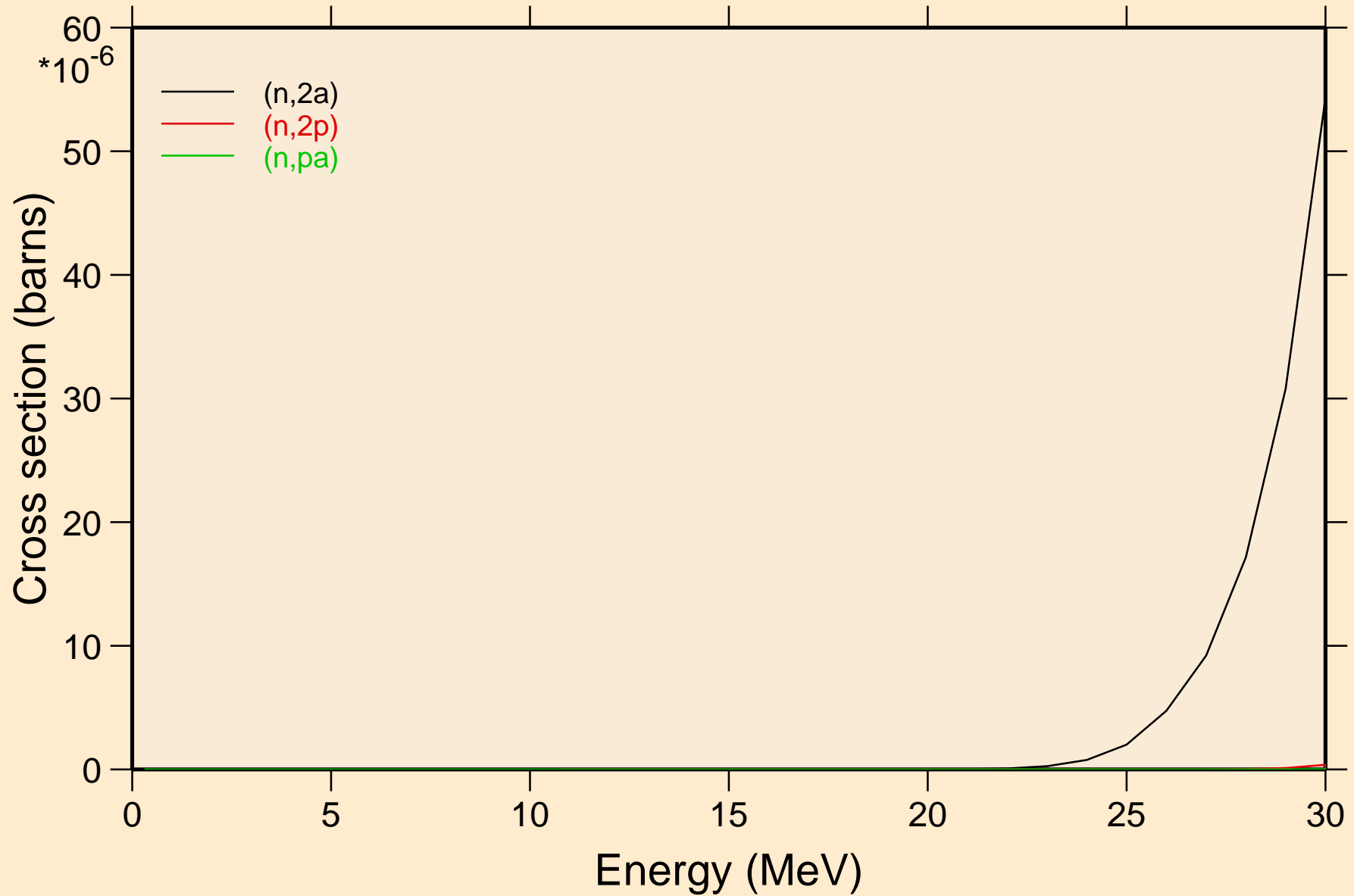
TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



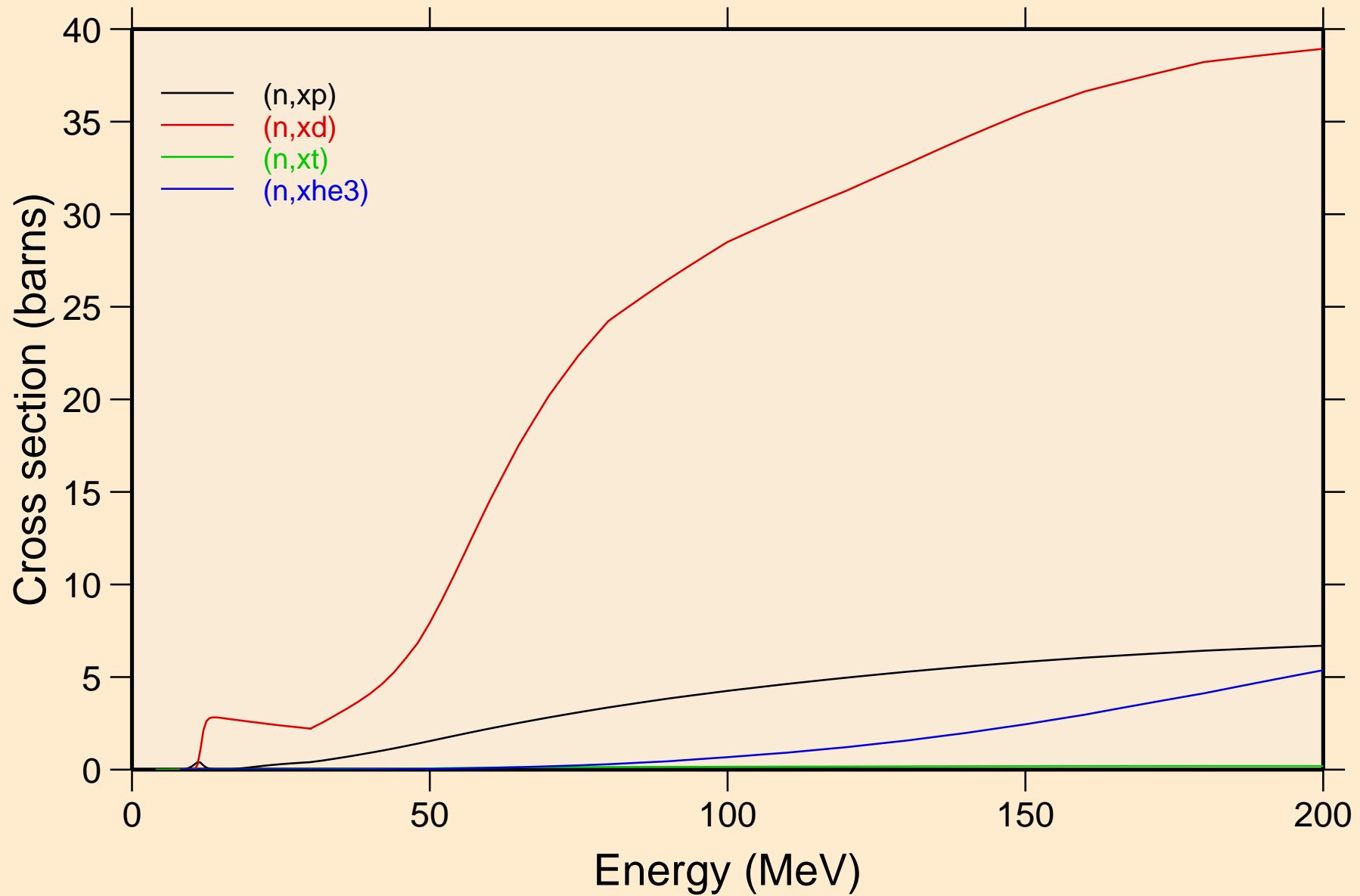
TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



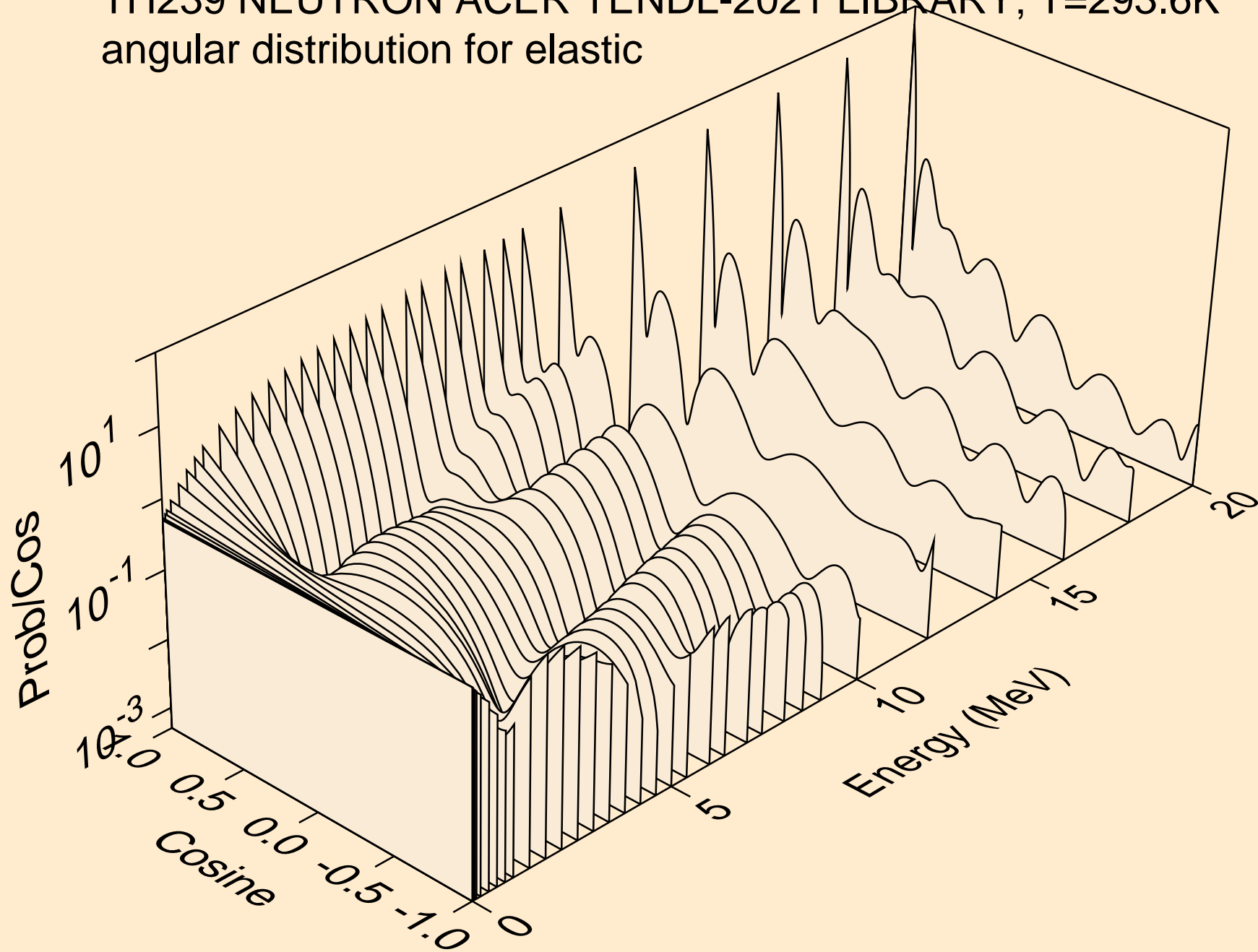
TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions

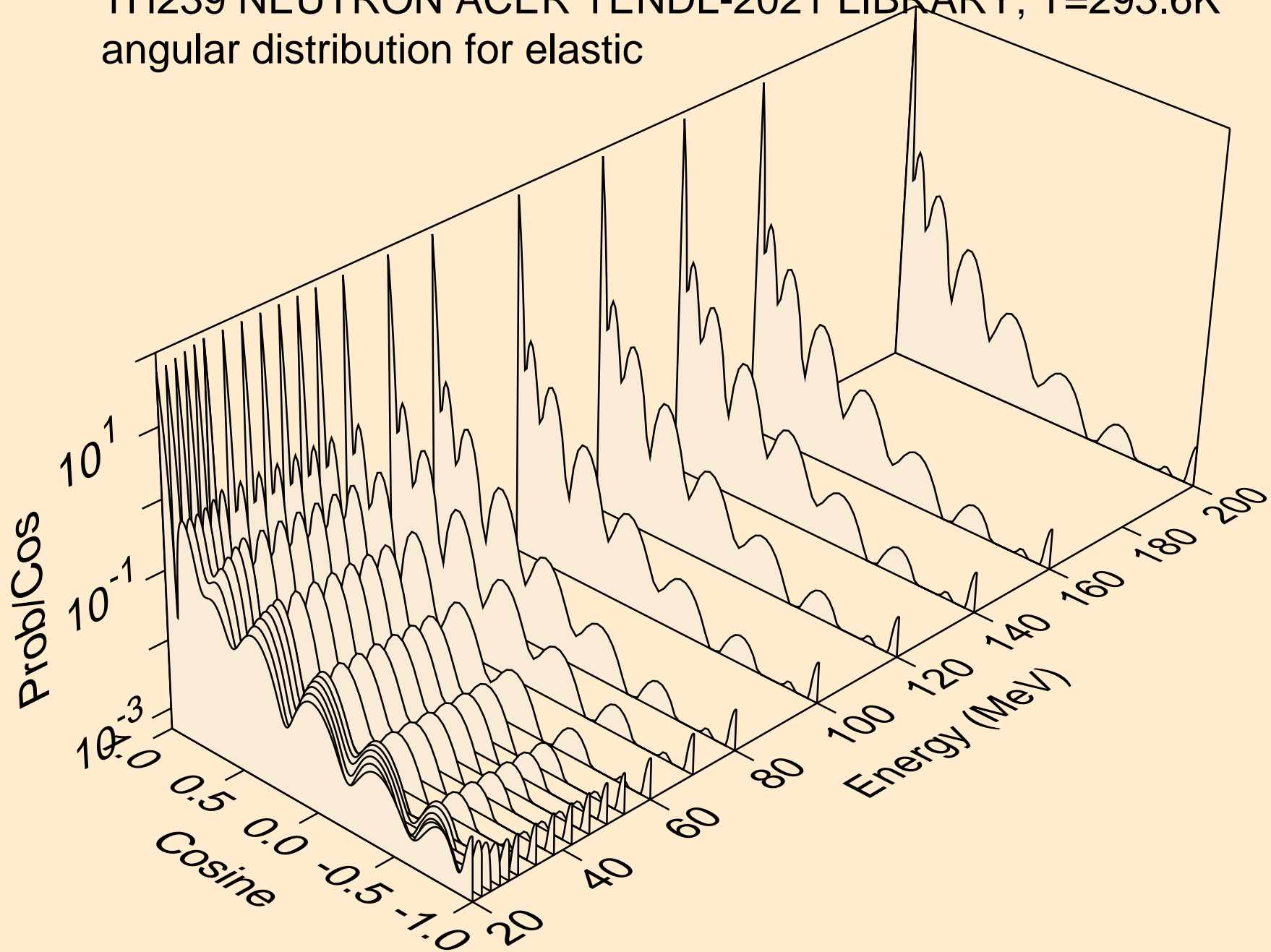


TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for elastic

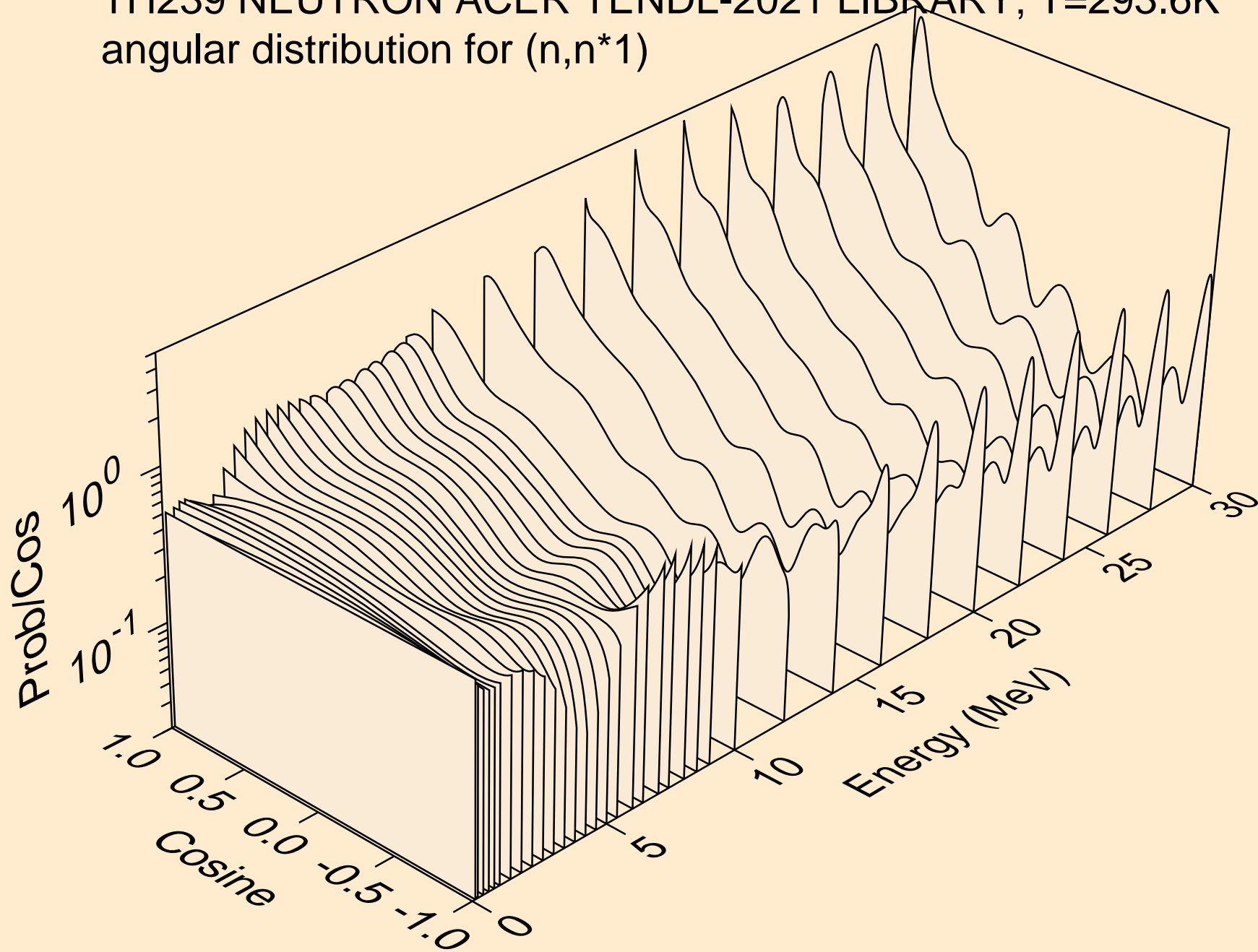




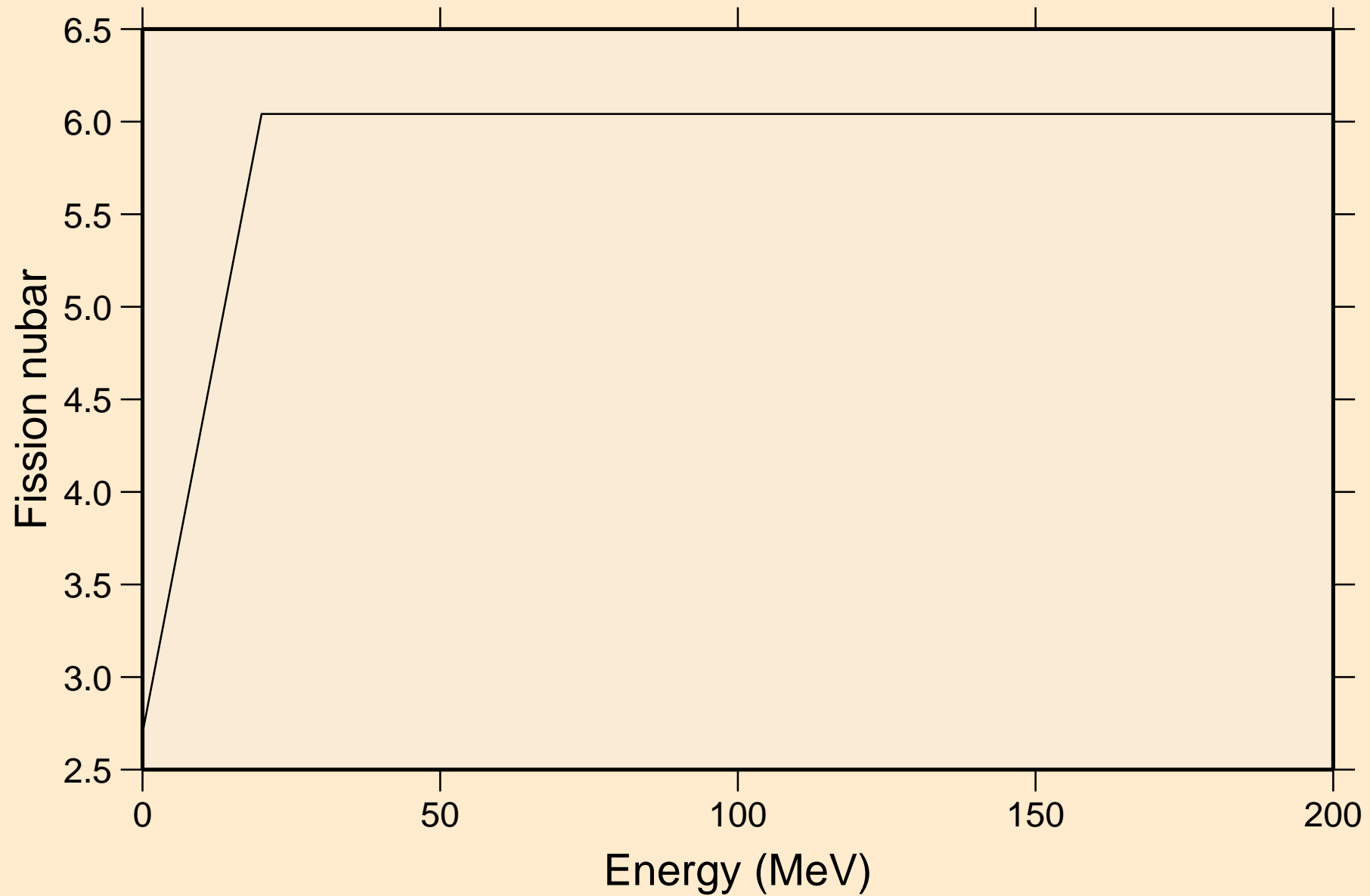
TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for elastic



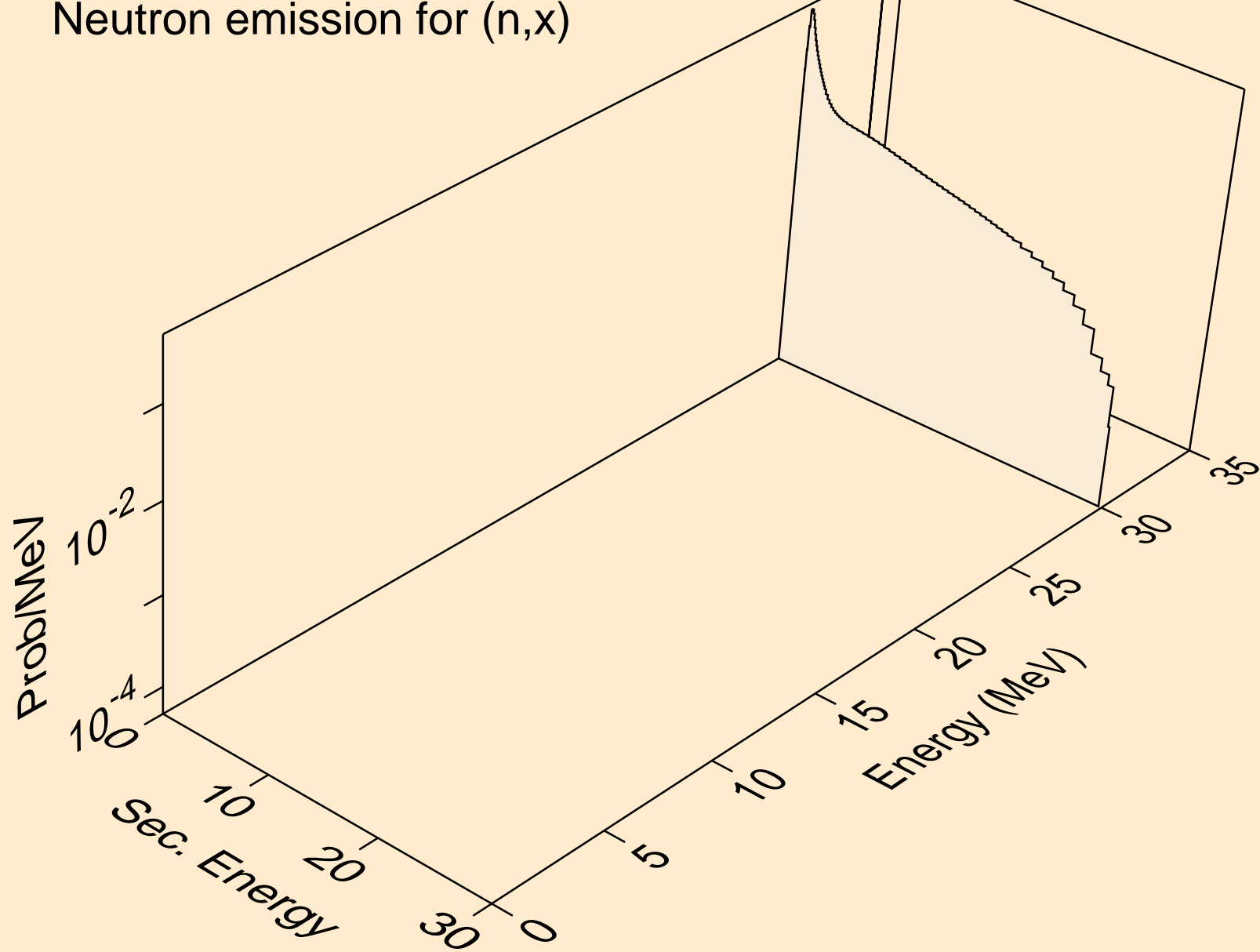
TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*1)



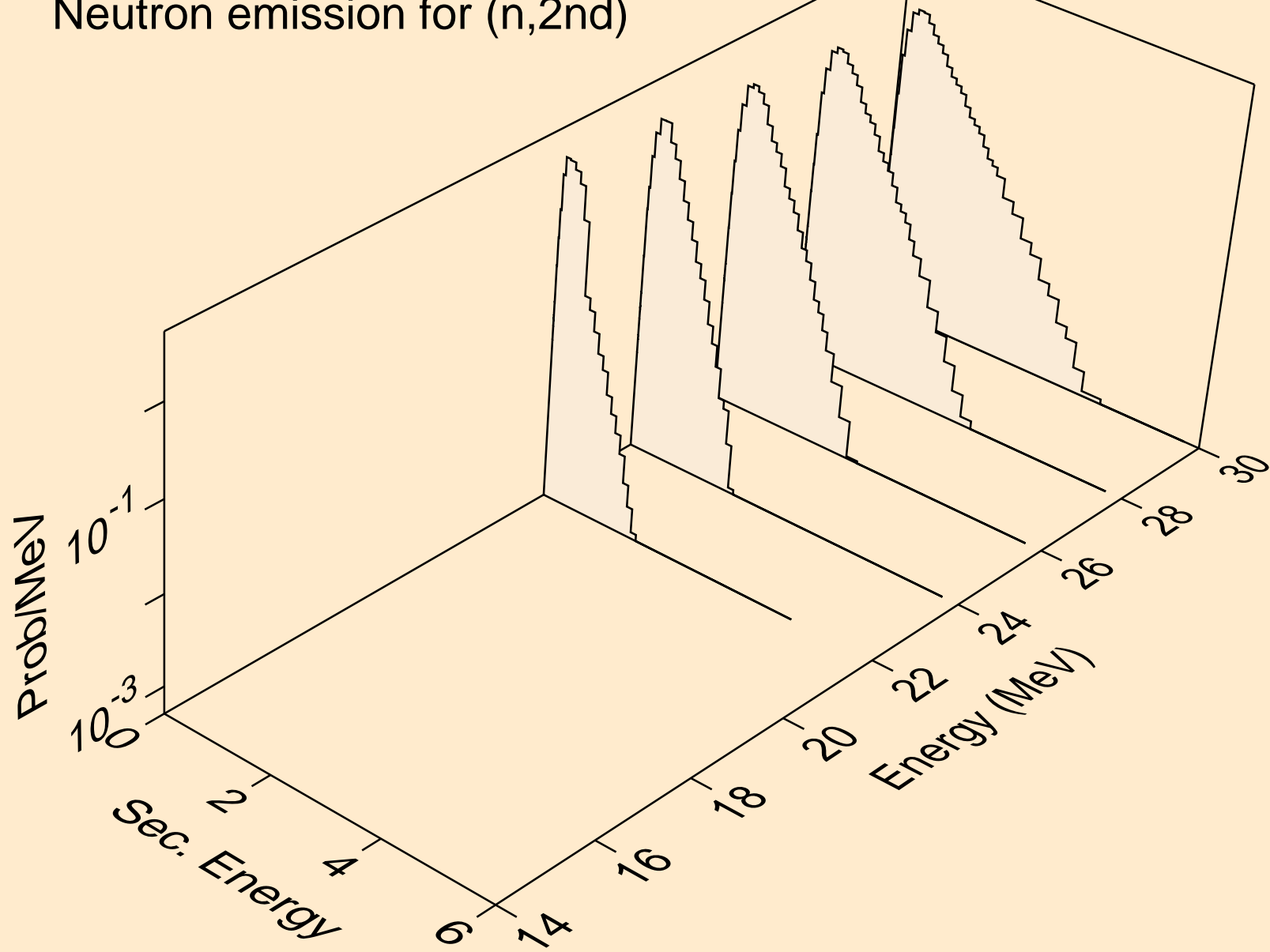
TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Total fission nubar



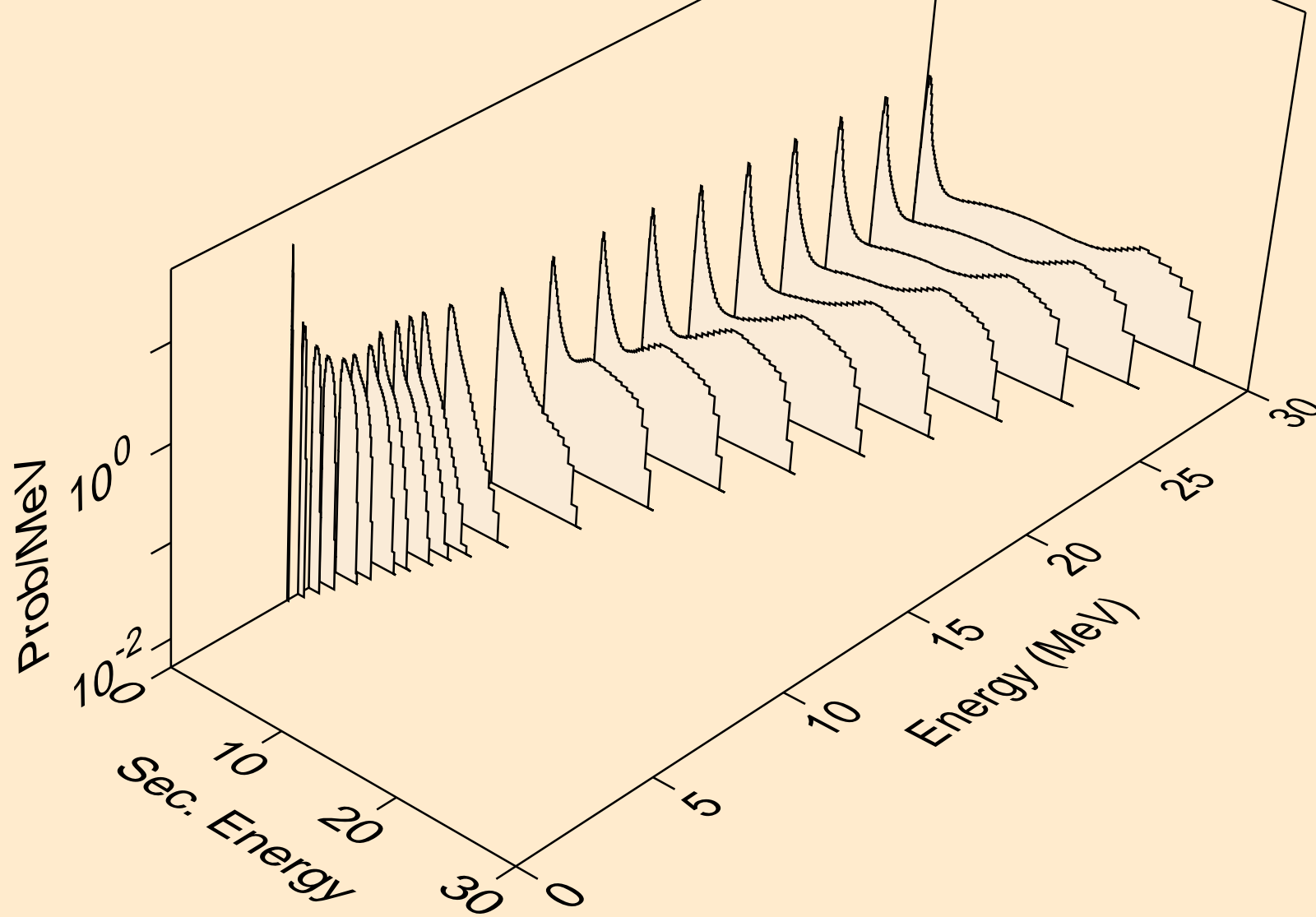
TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,x)



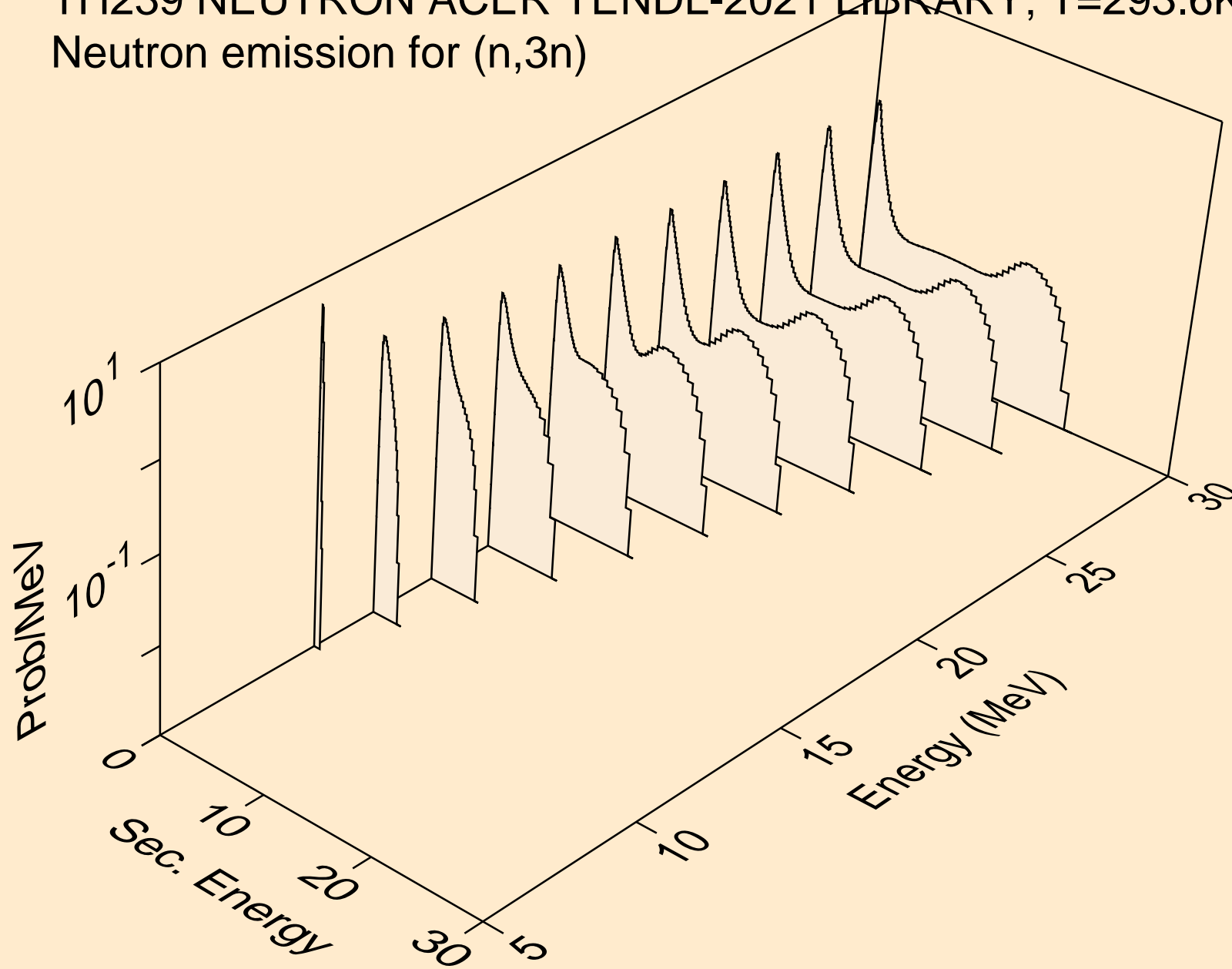
TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2nd)



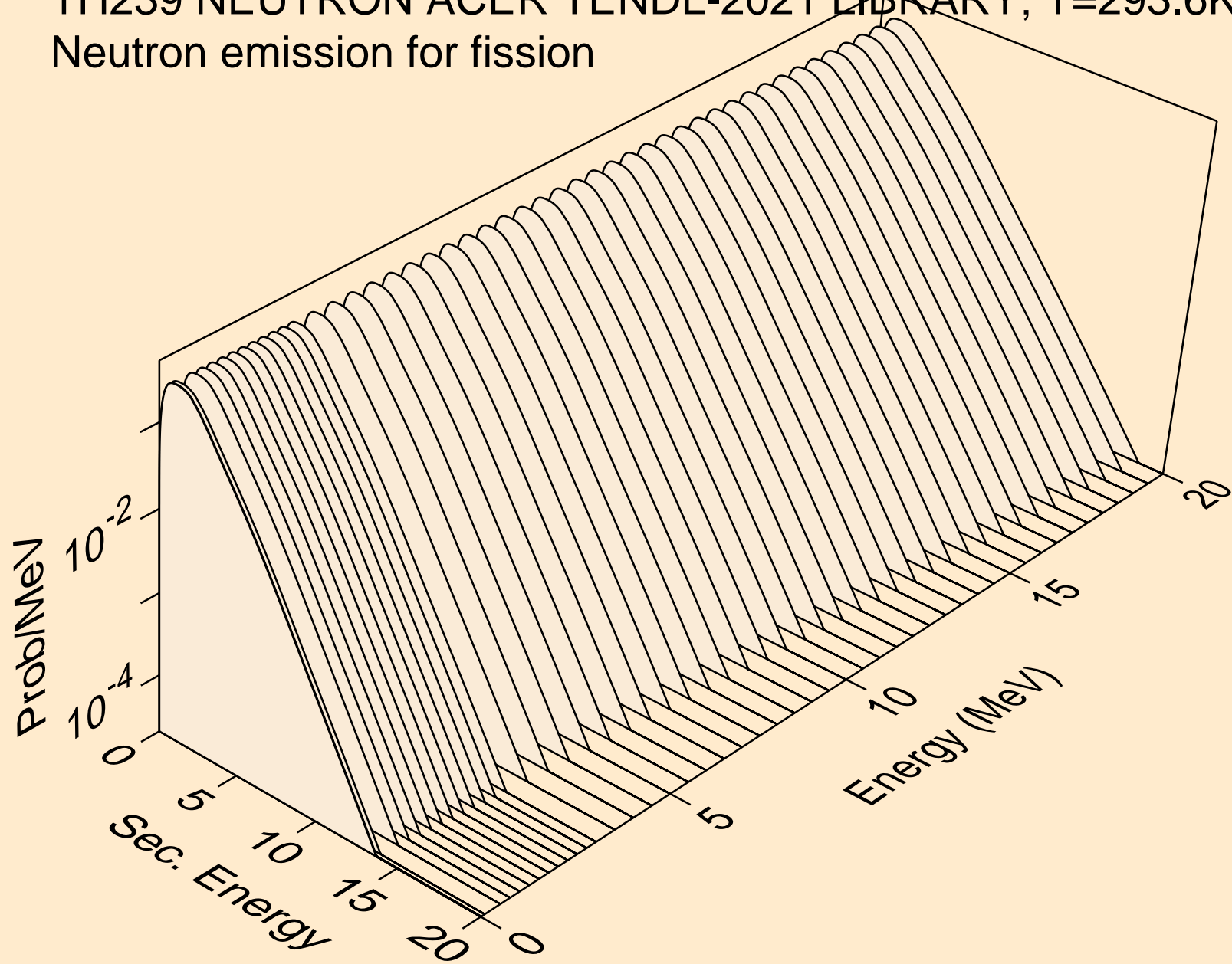
TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)



TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3n)

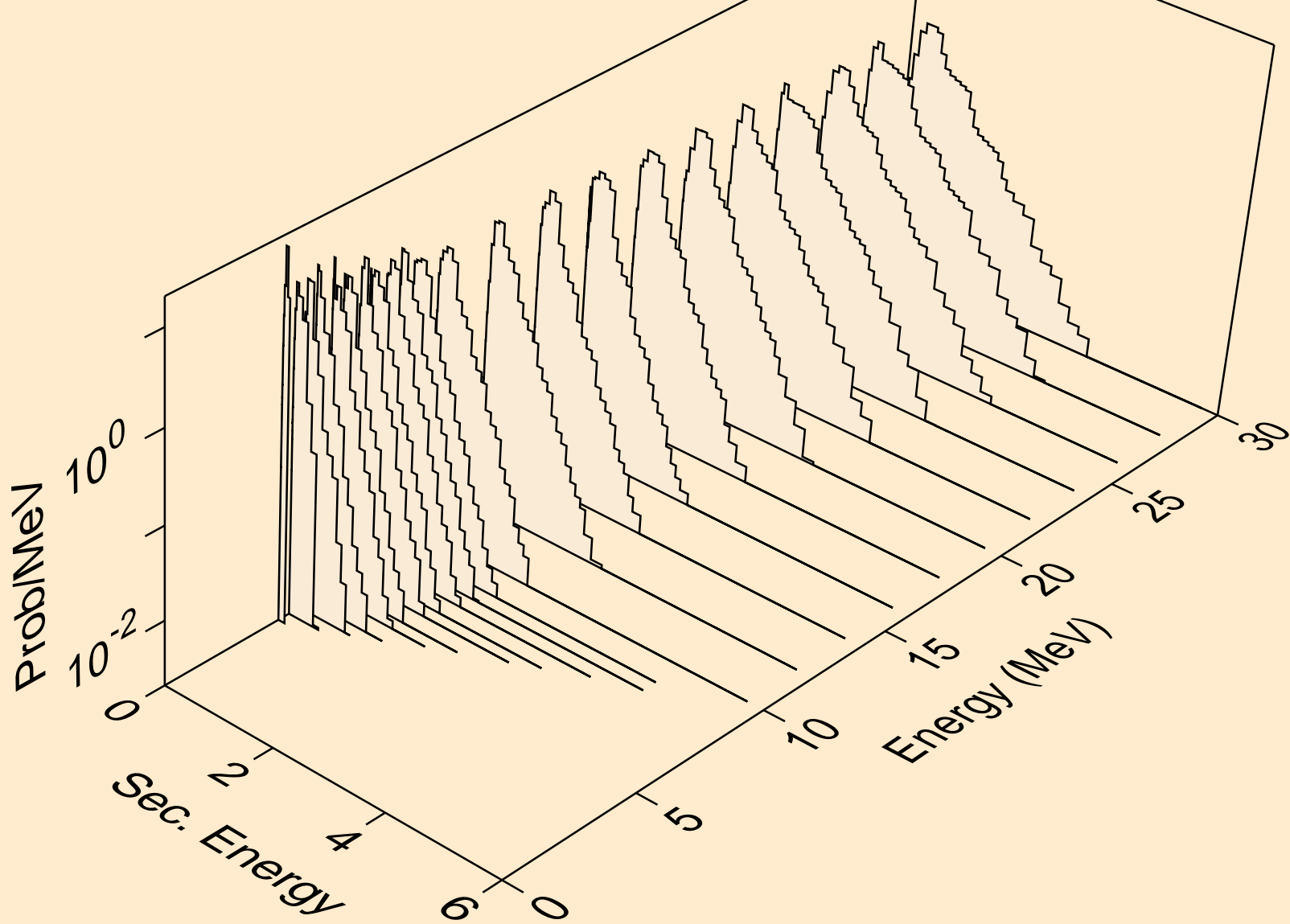


TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for fission

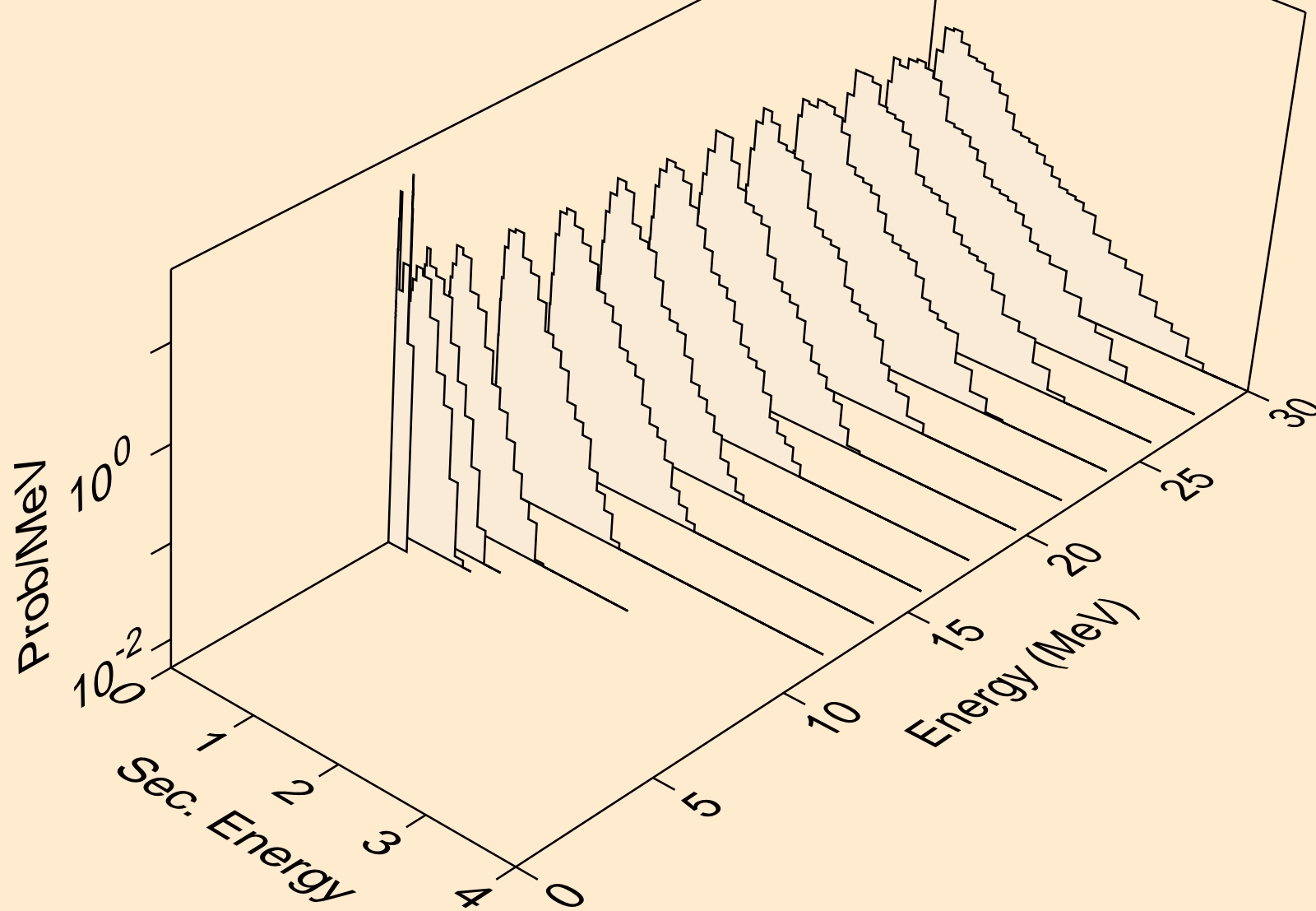




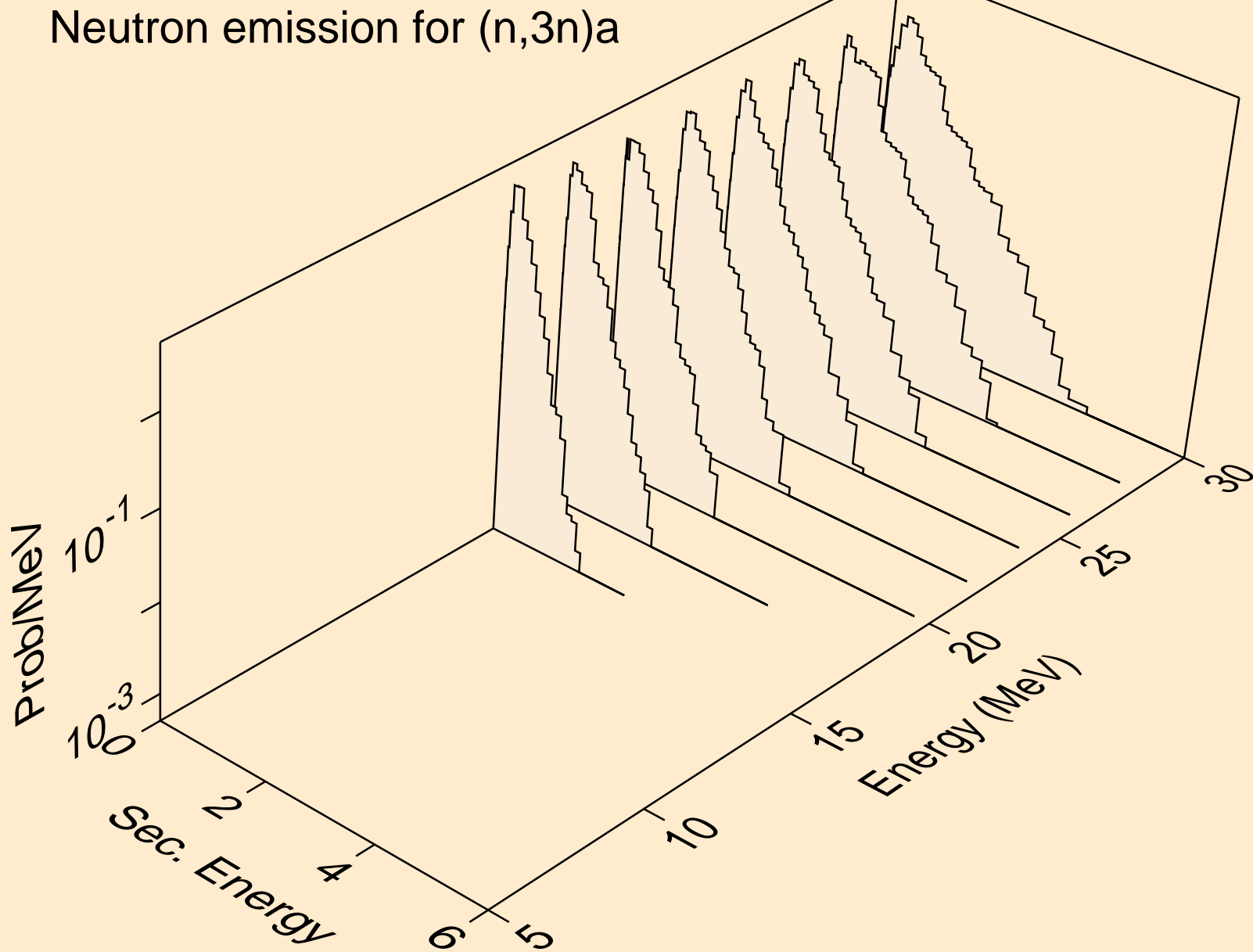
TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)a



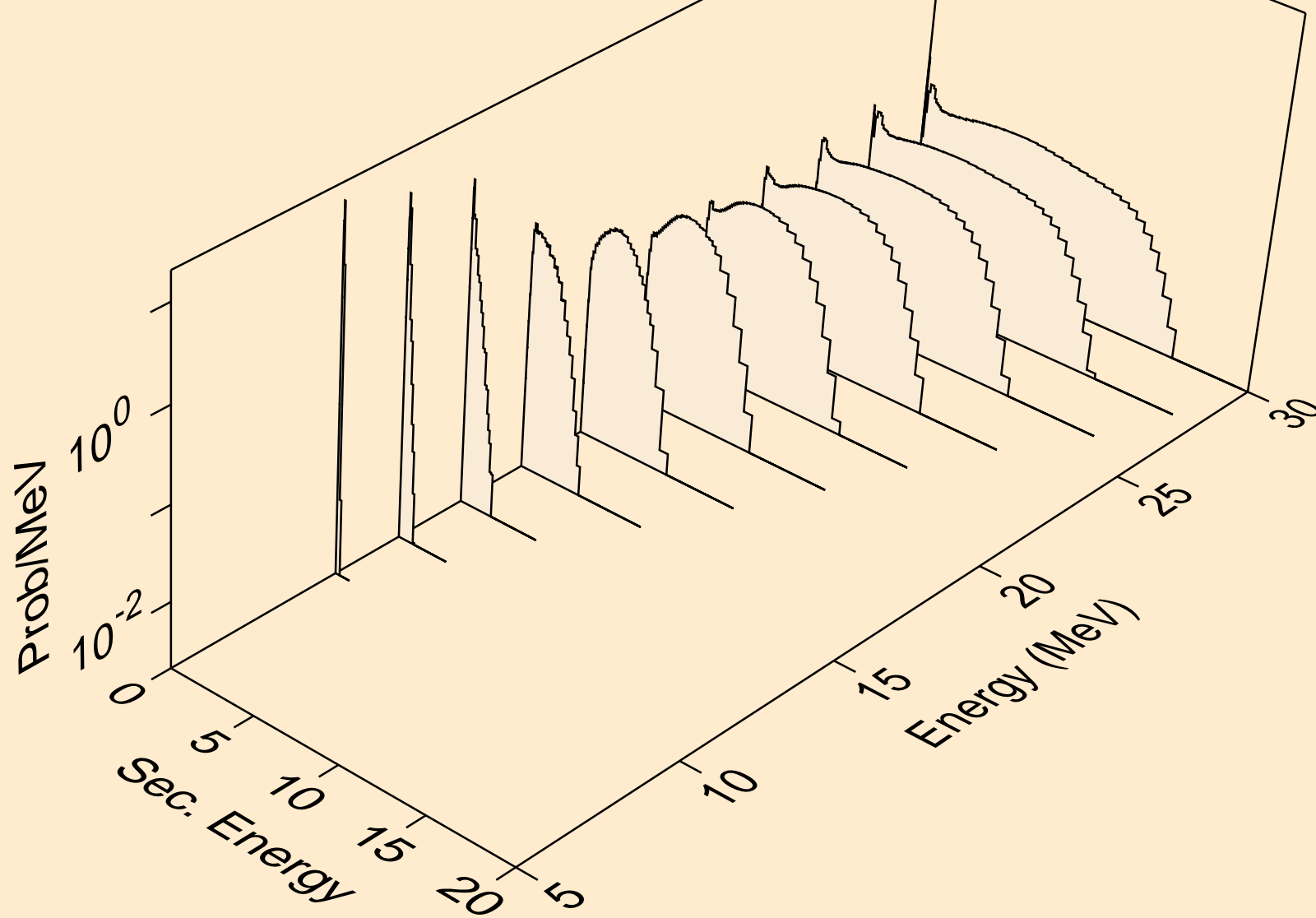
TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)a



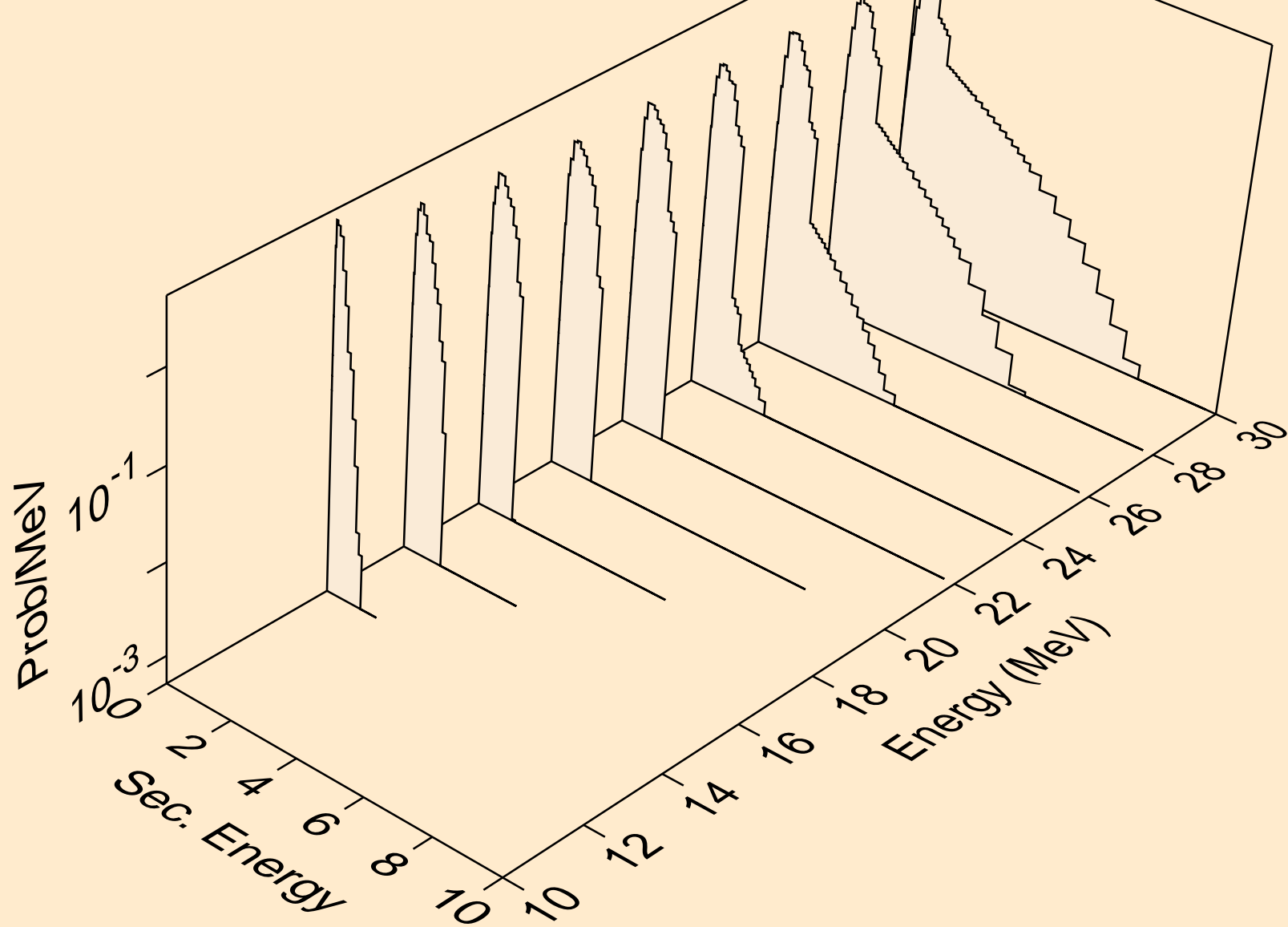
TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3n)<sub>a</sub>



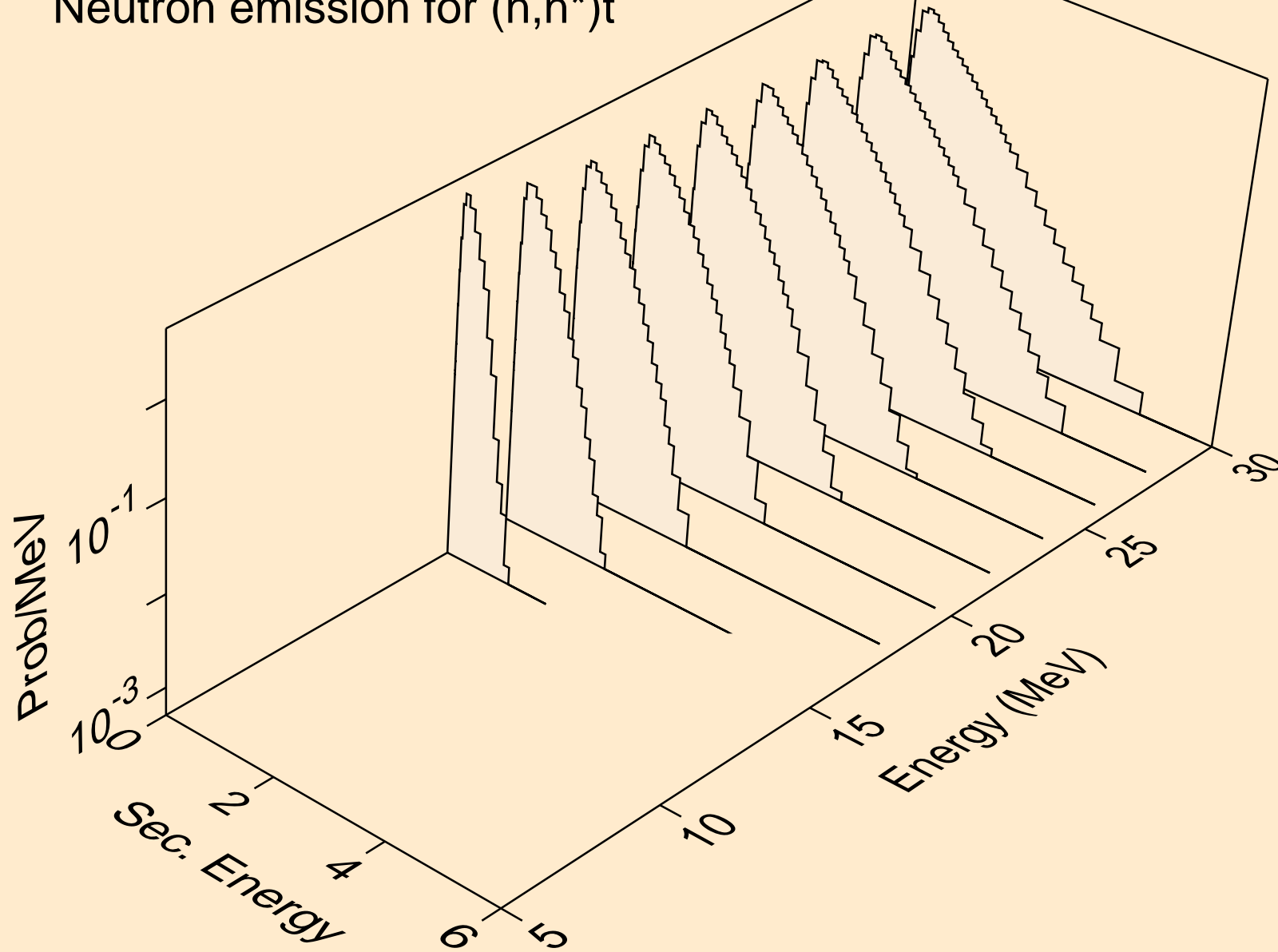
TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)p



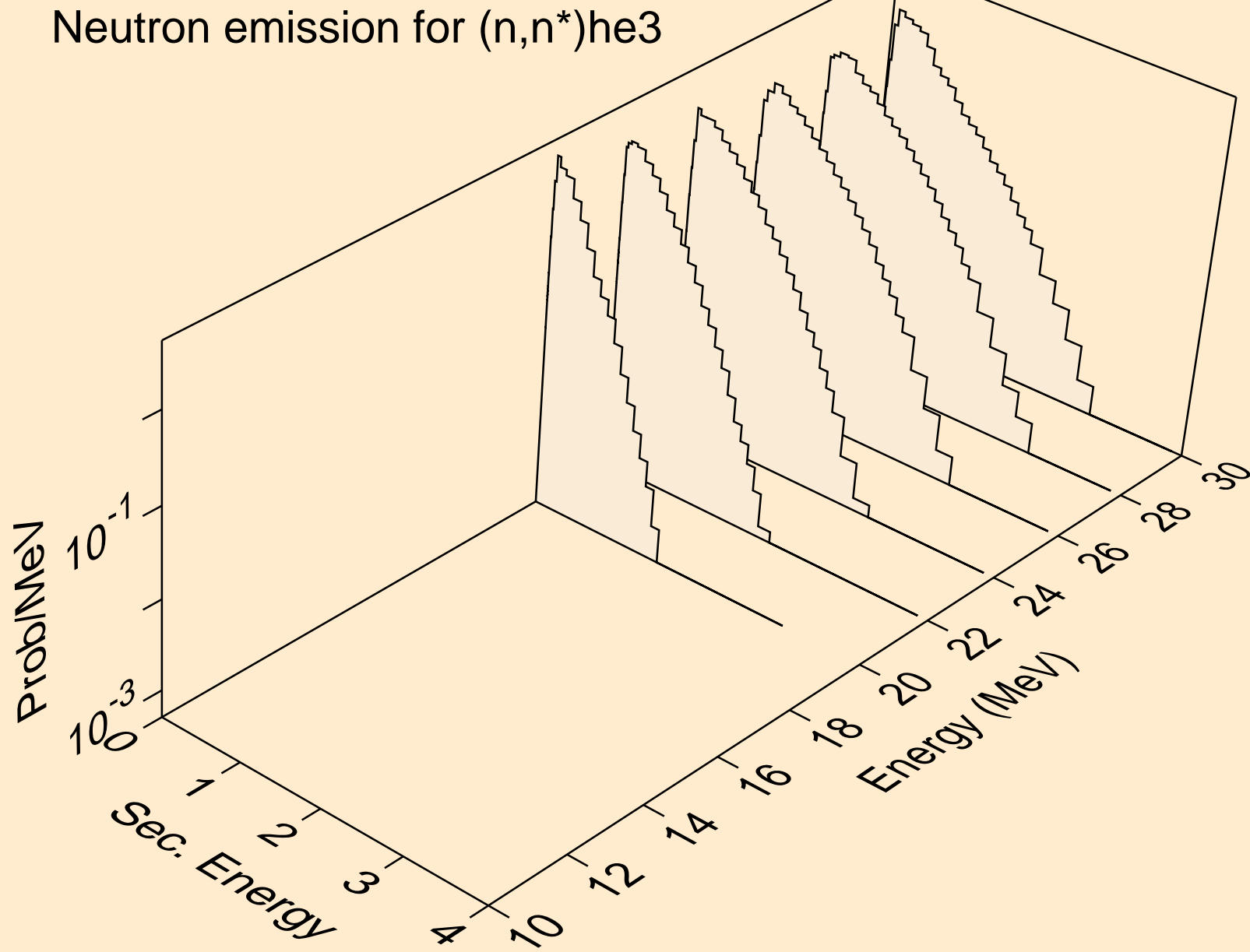
TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)d



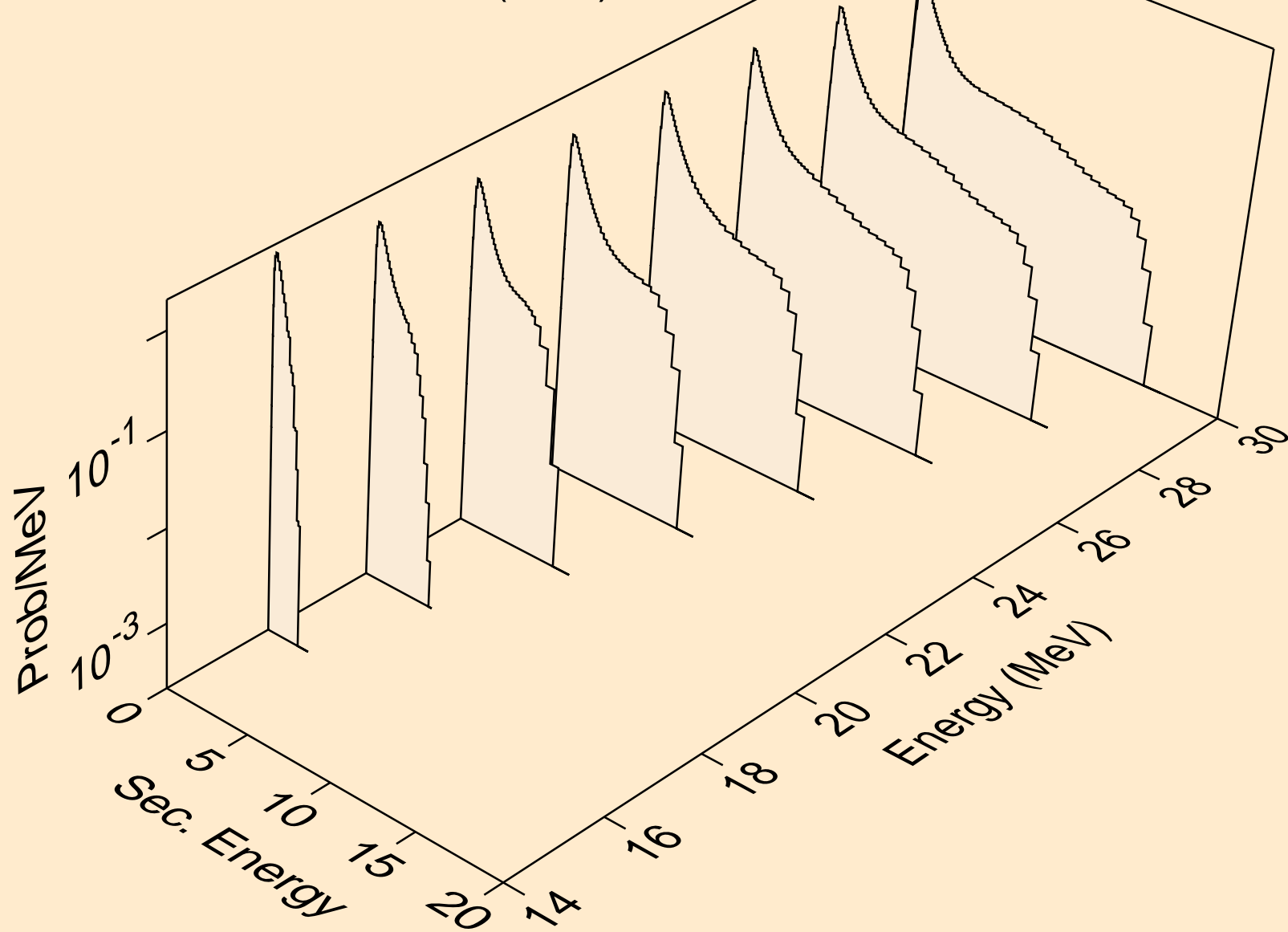
TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)t



TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)he3

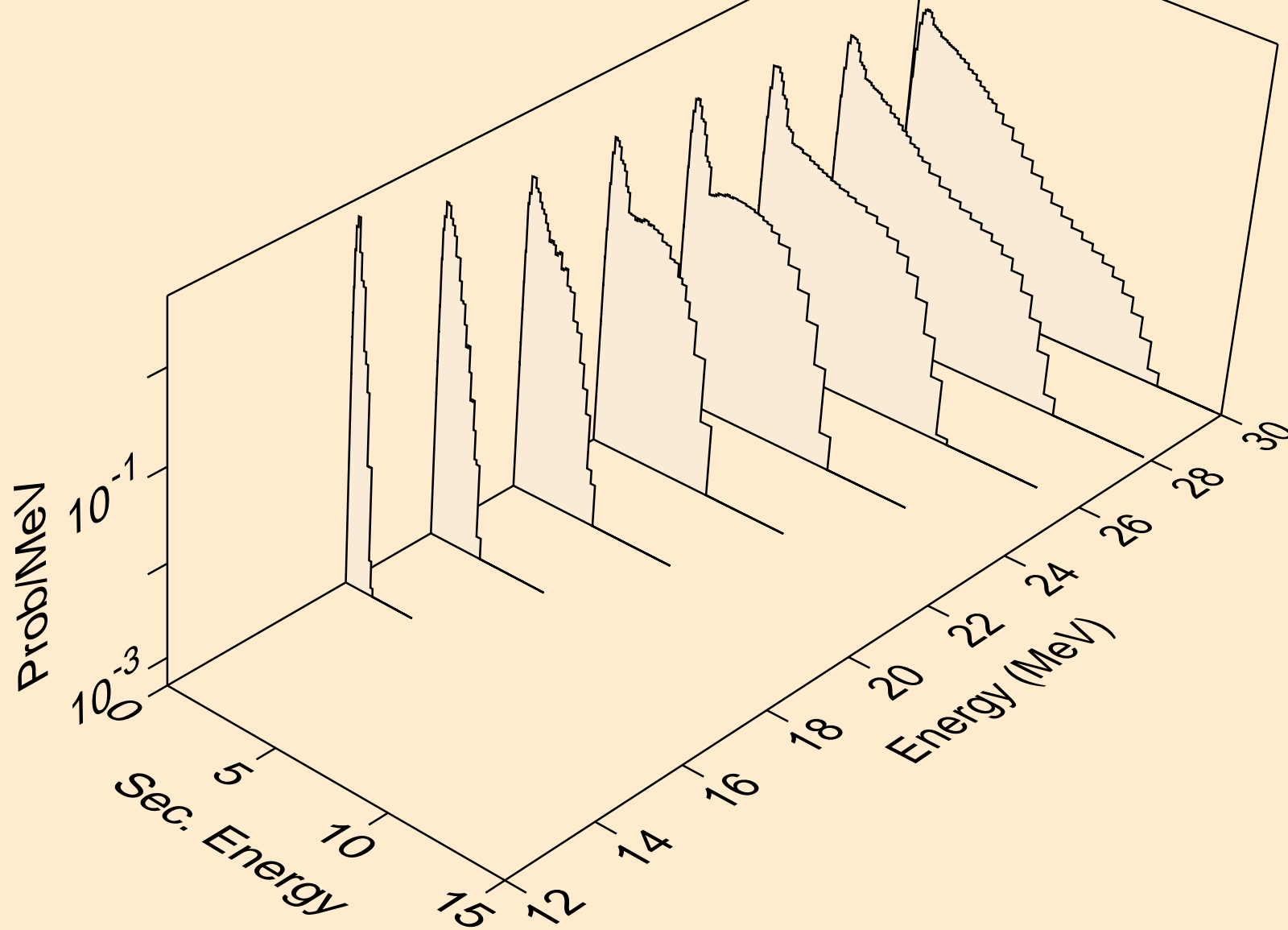


TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,4n)

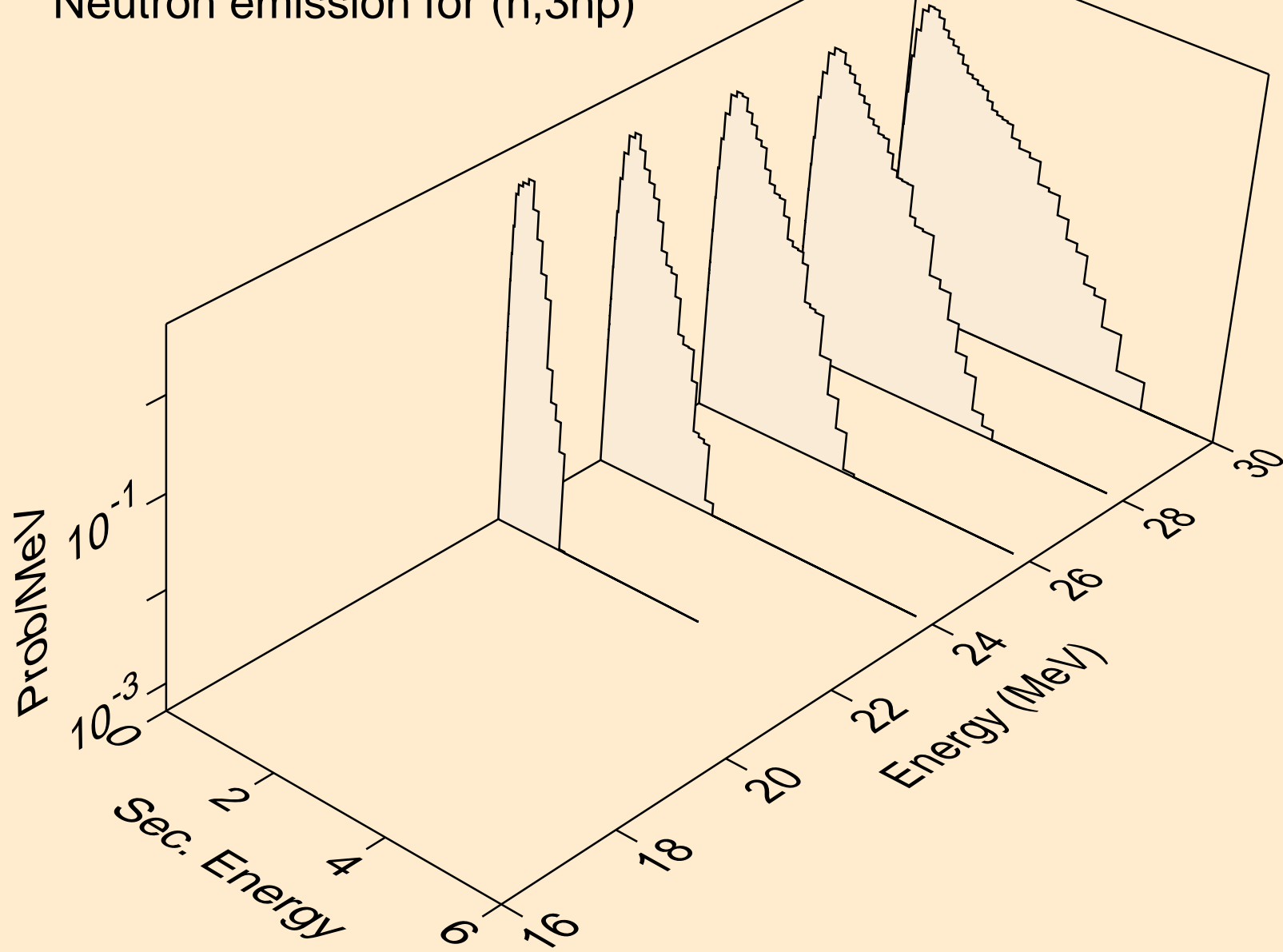




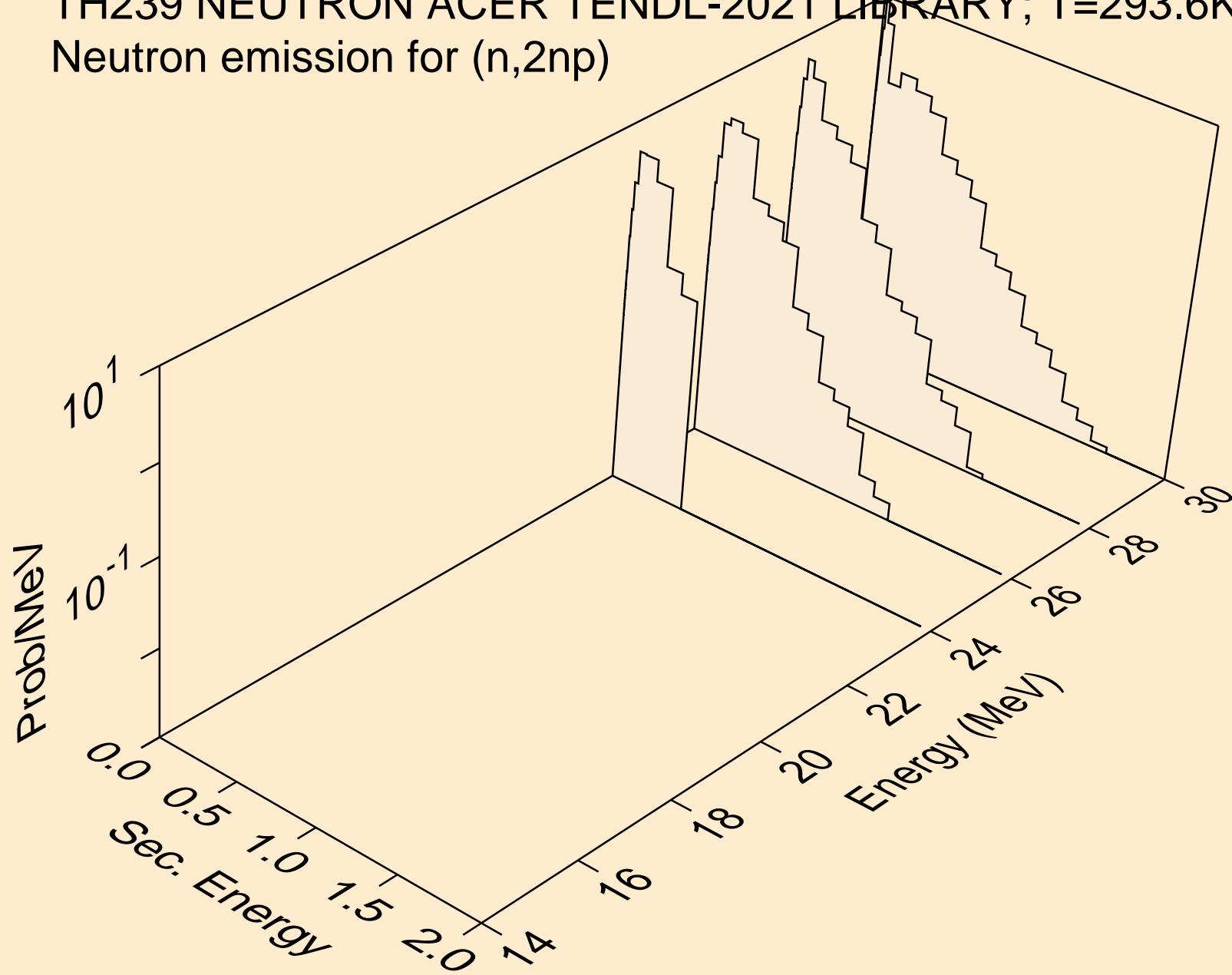
TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2np)



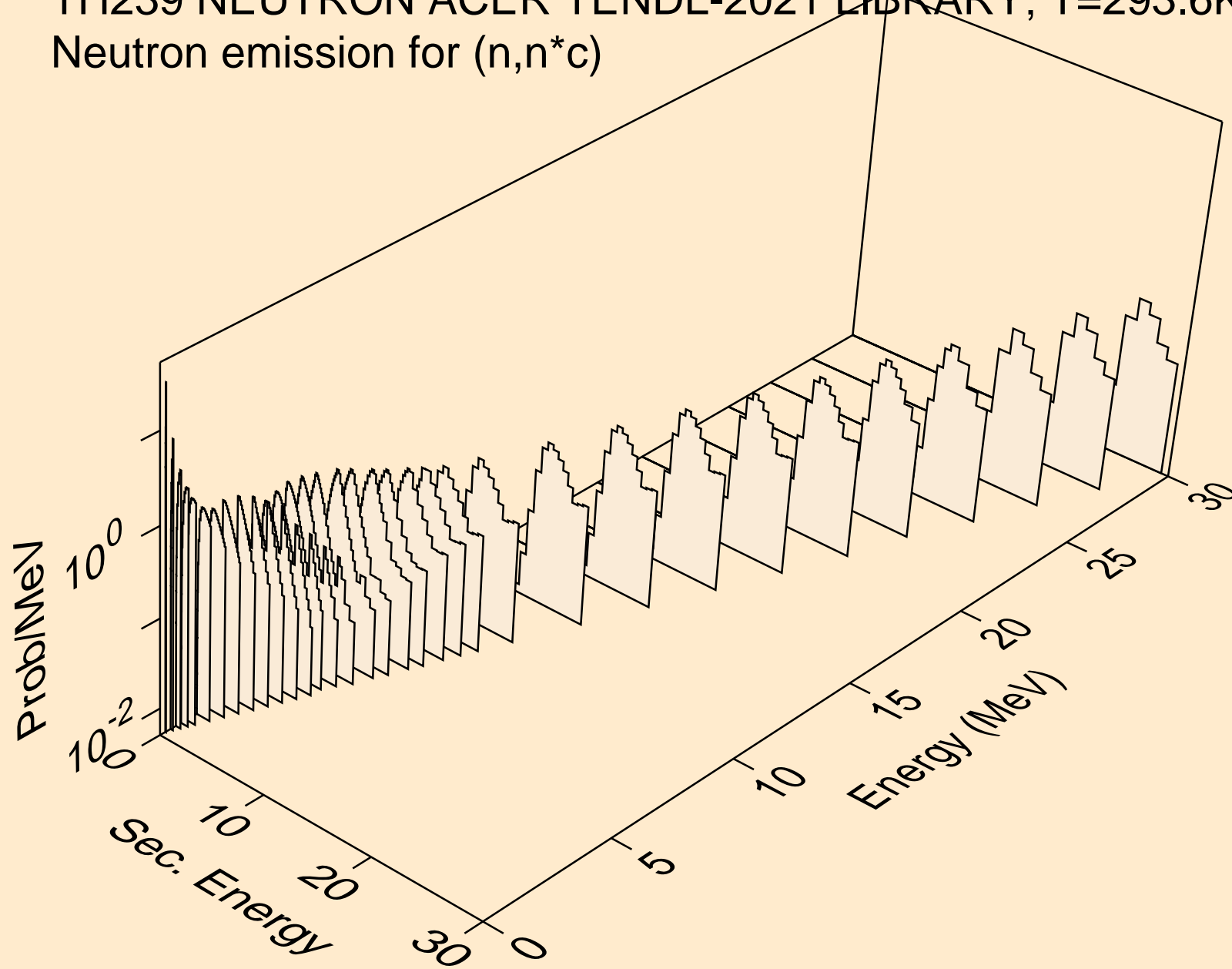
TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3np)



TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2np)

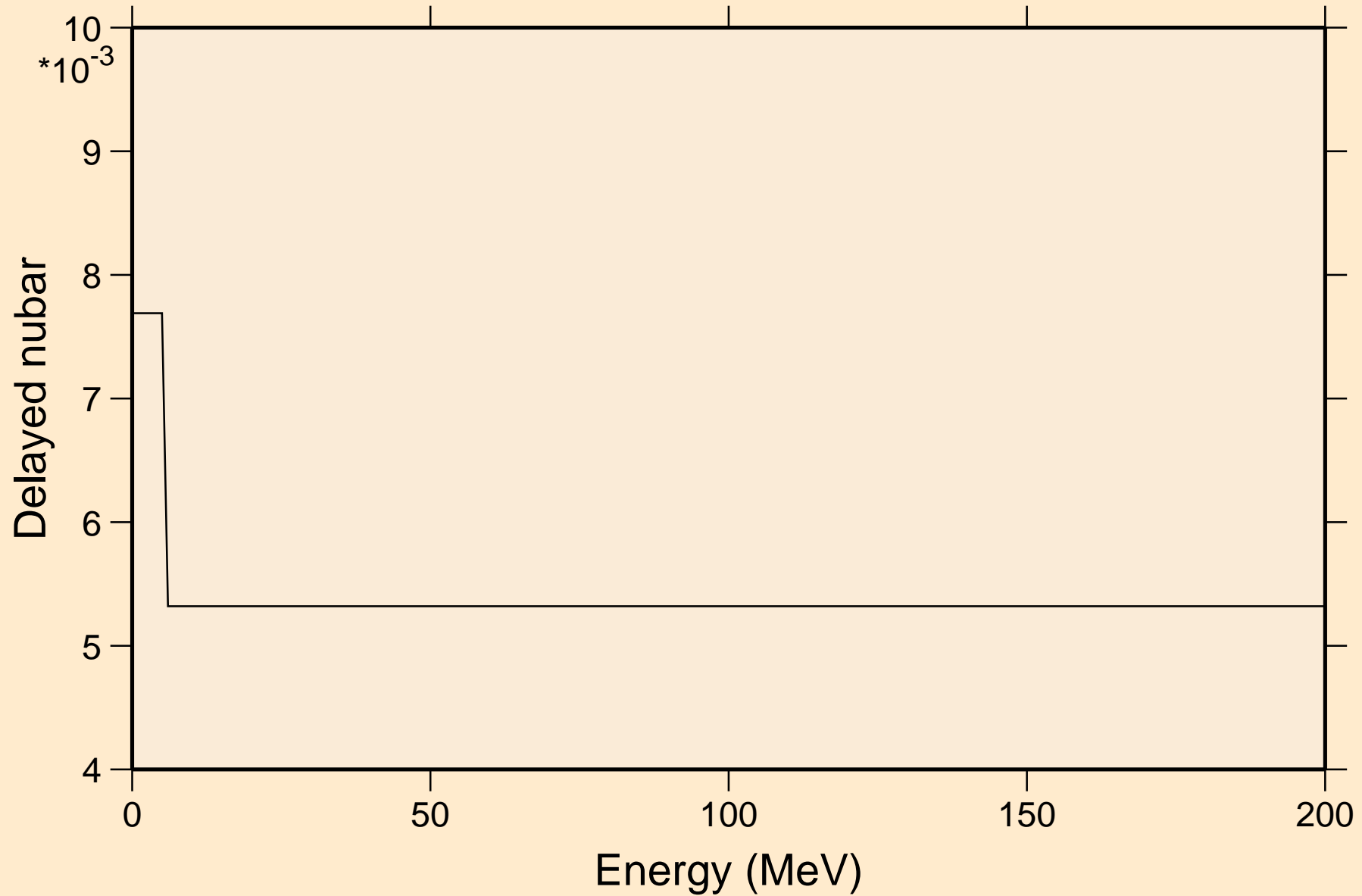


TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*c)



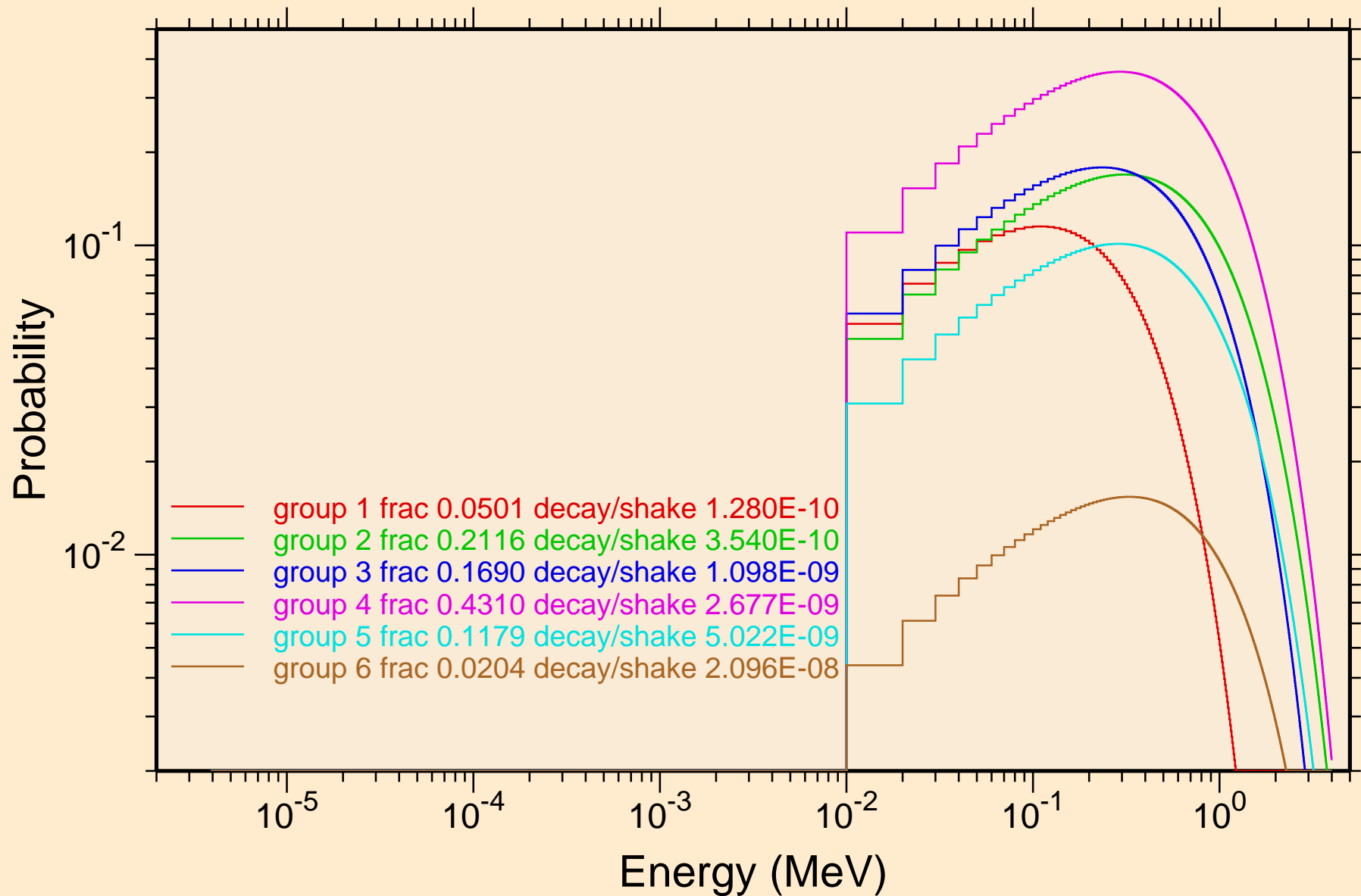
TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

Delayed nubar

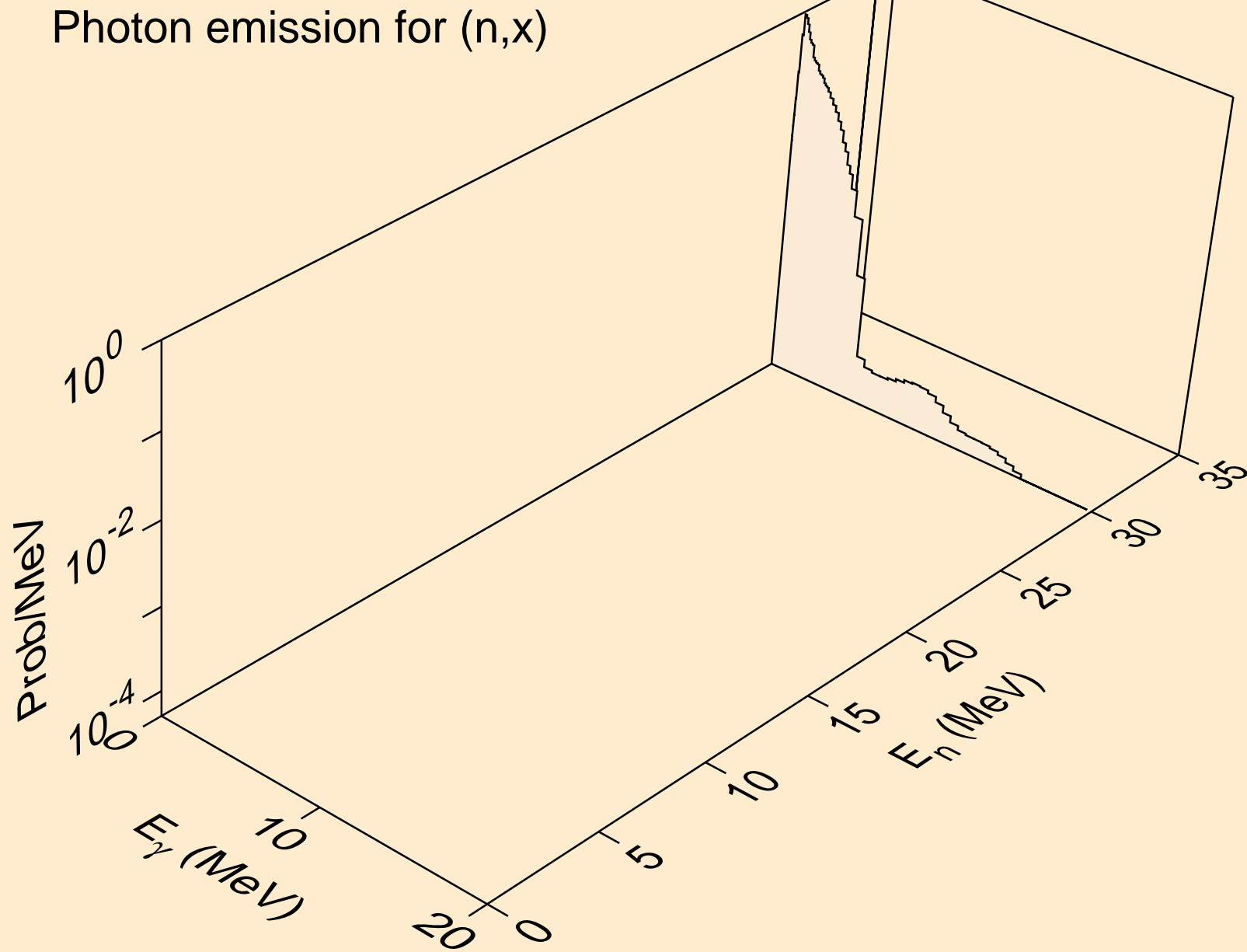


# TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

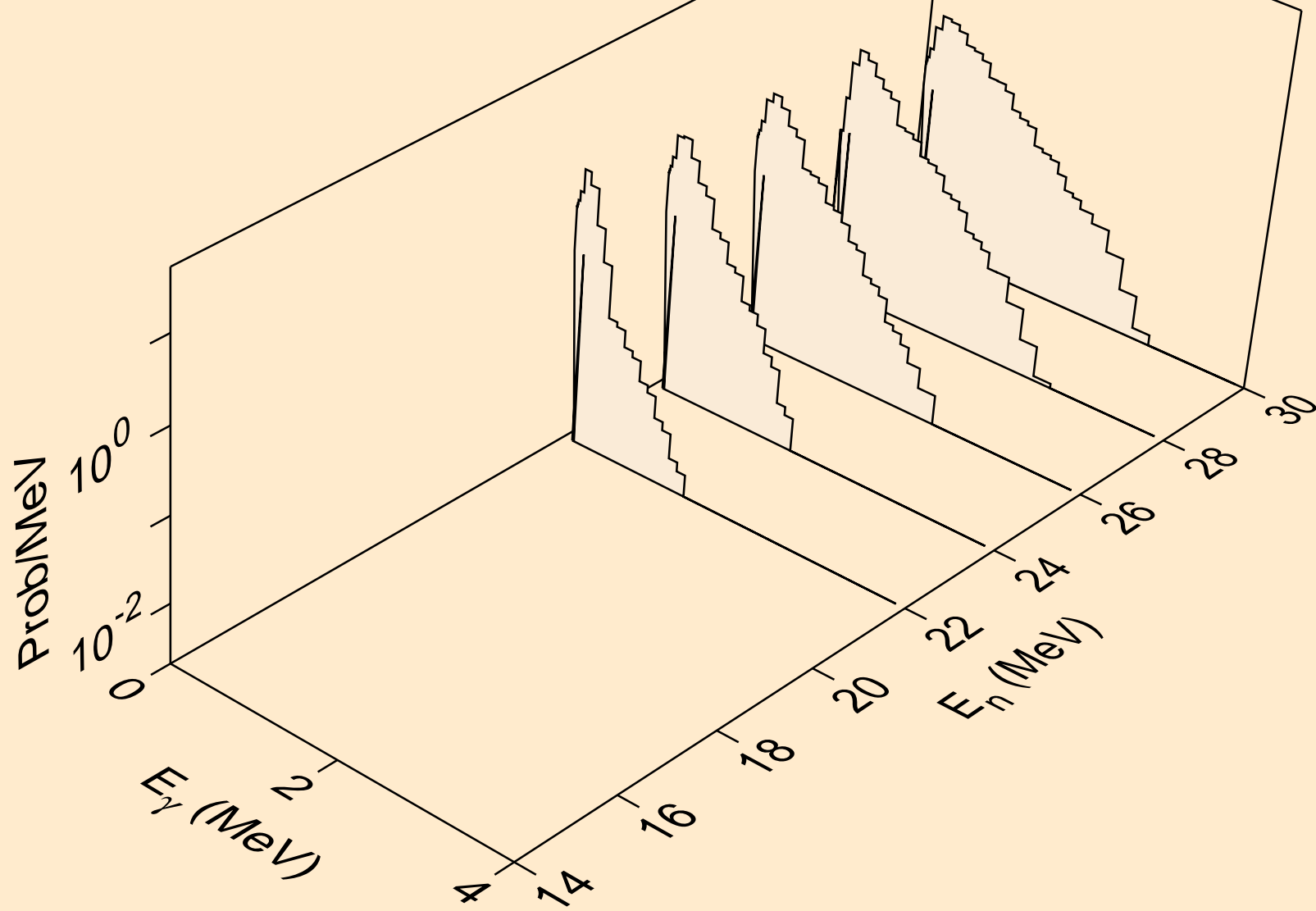
## Delayed neutron spectra



TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,x)

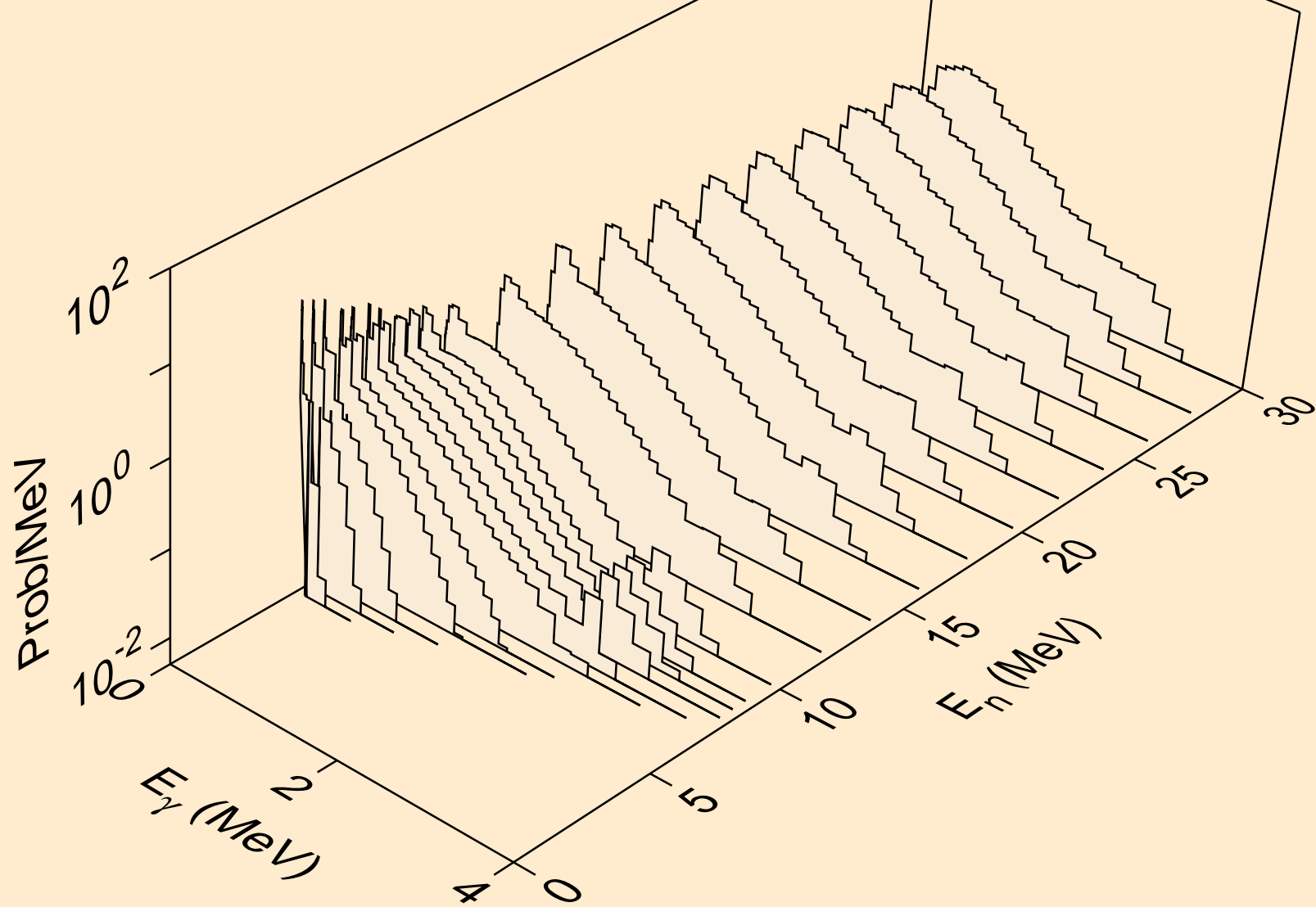


TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2nd)

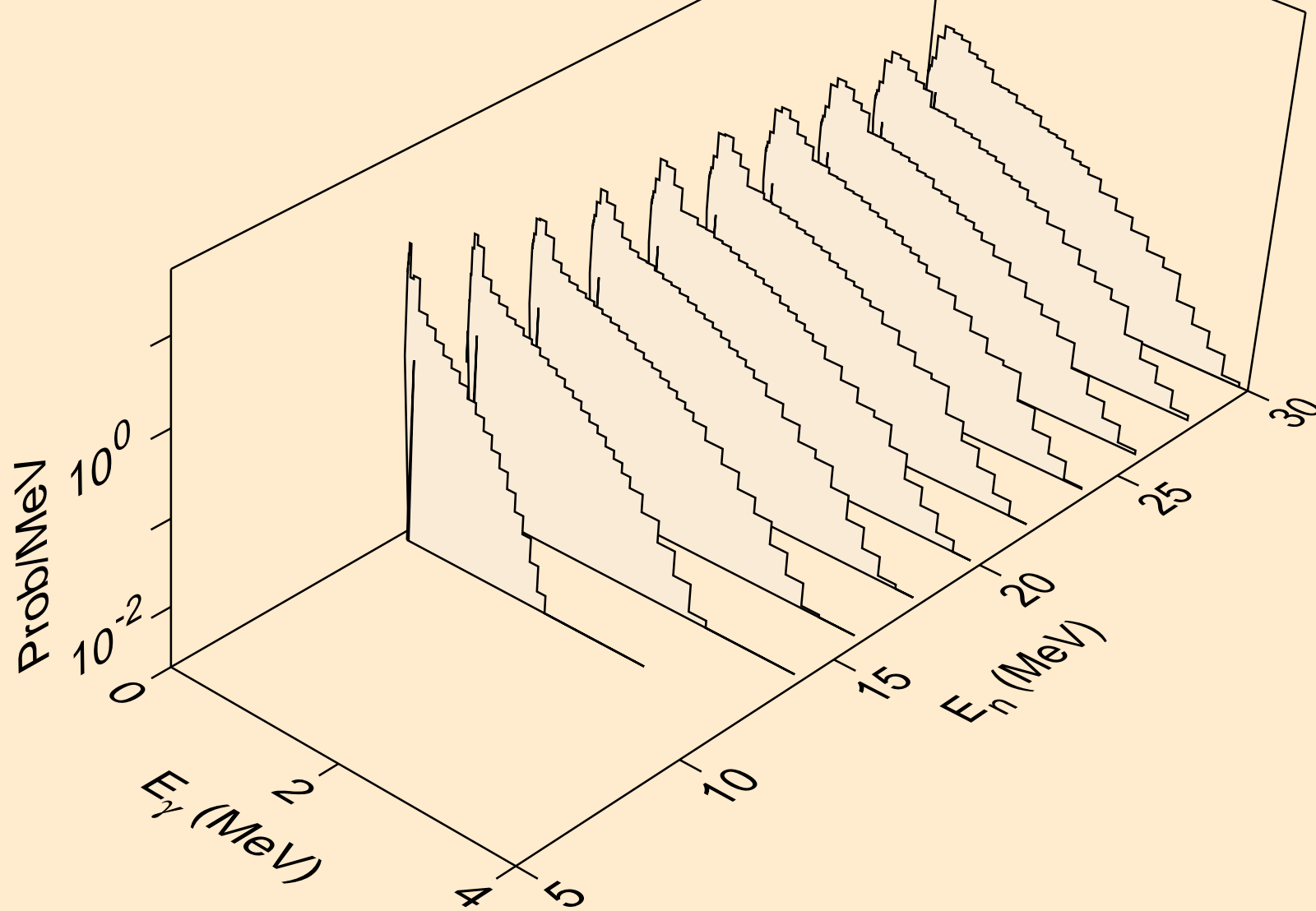




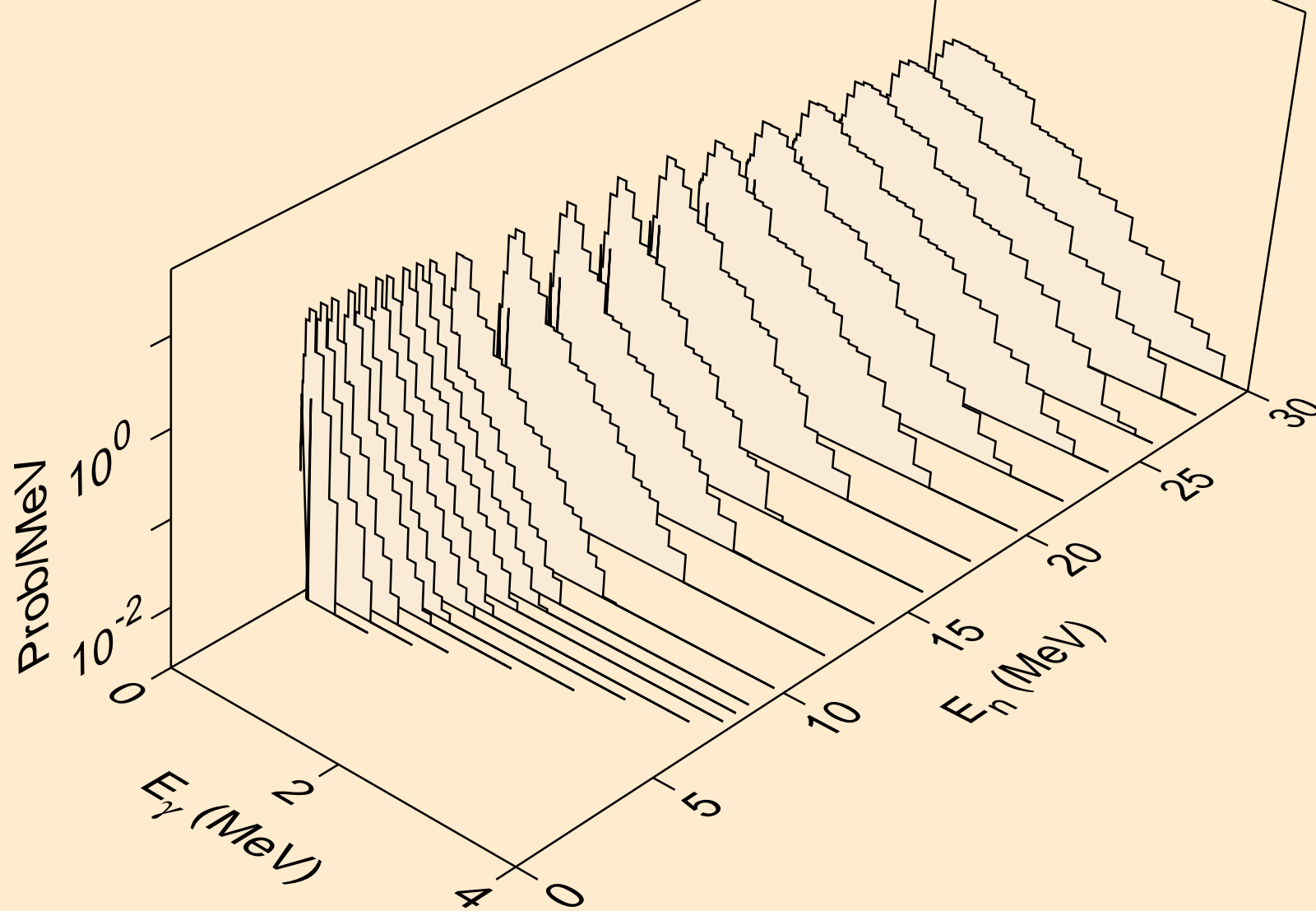
TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2n)



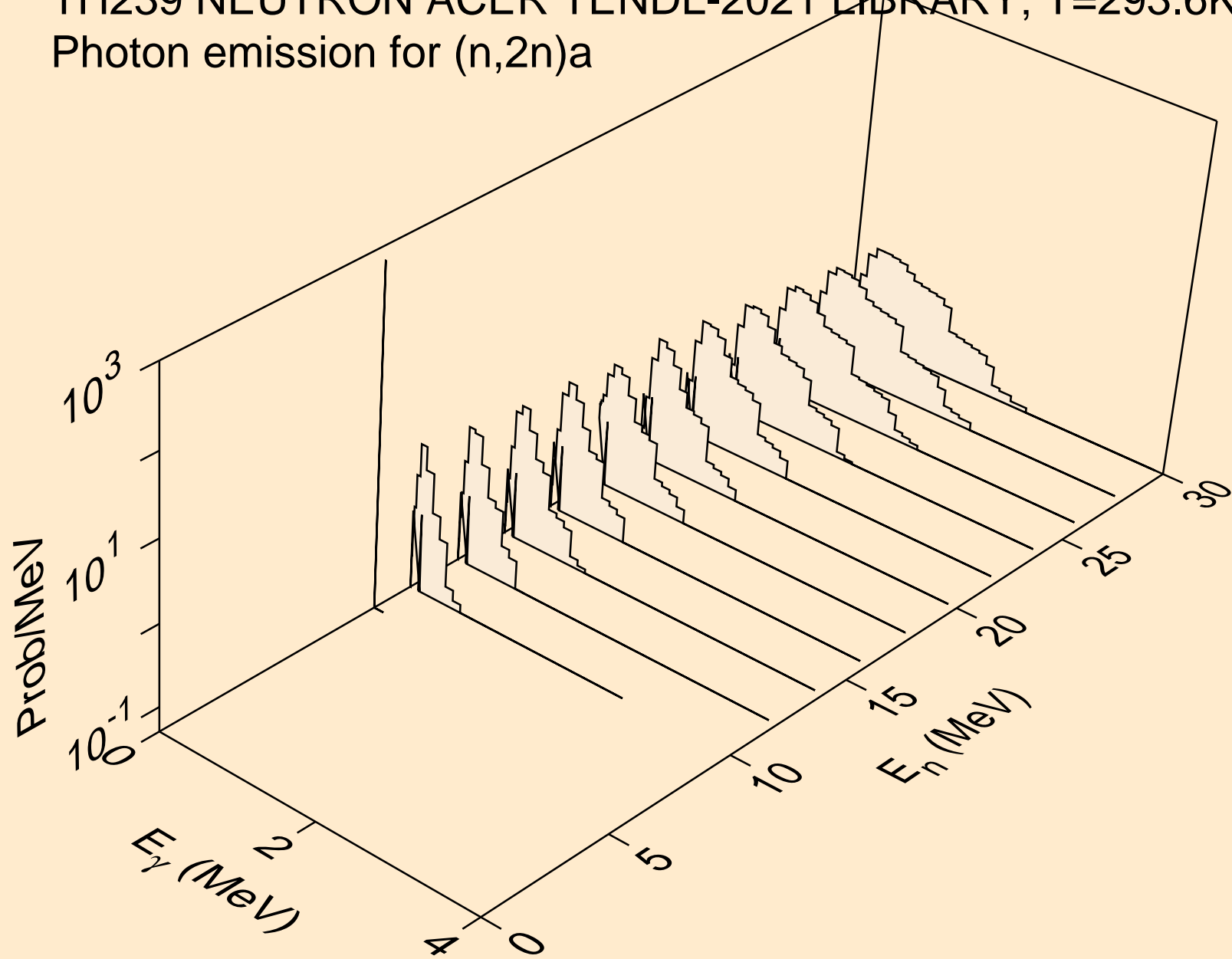
TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3n)



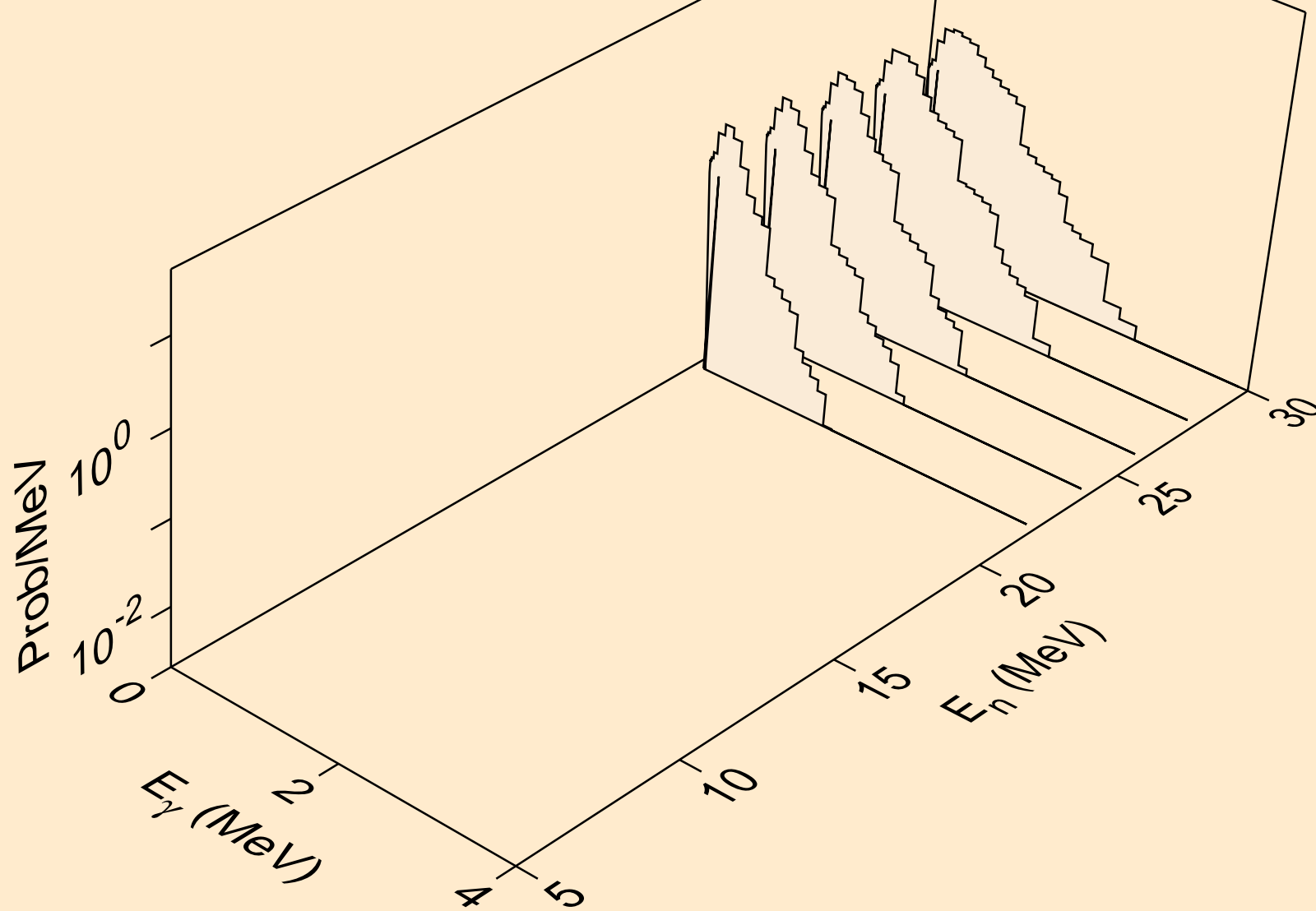
TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)a



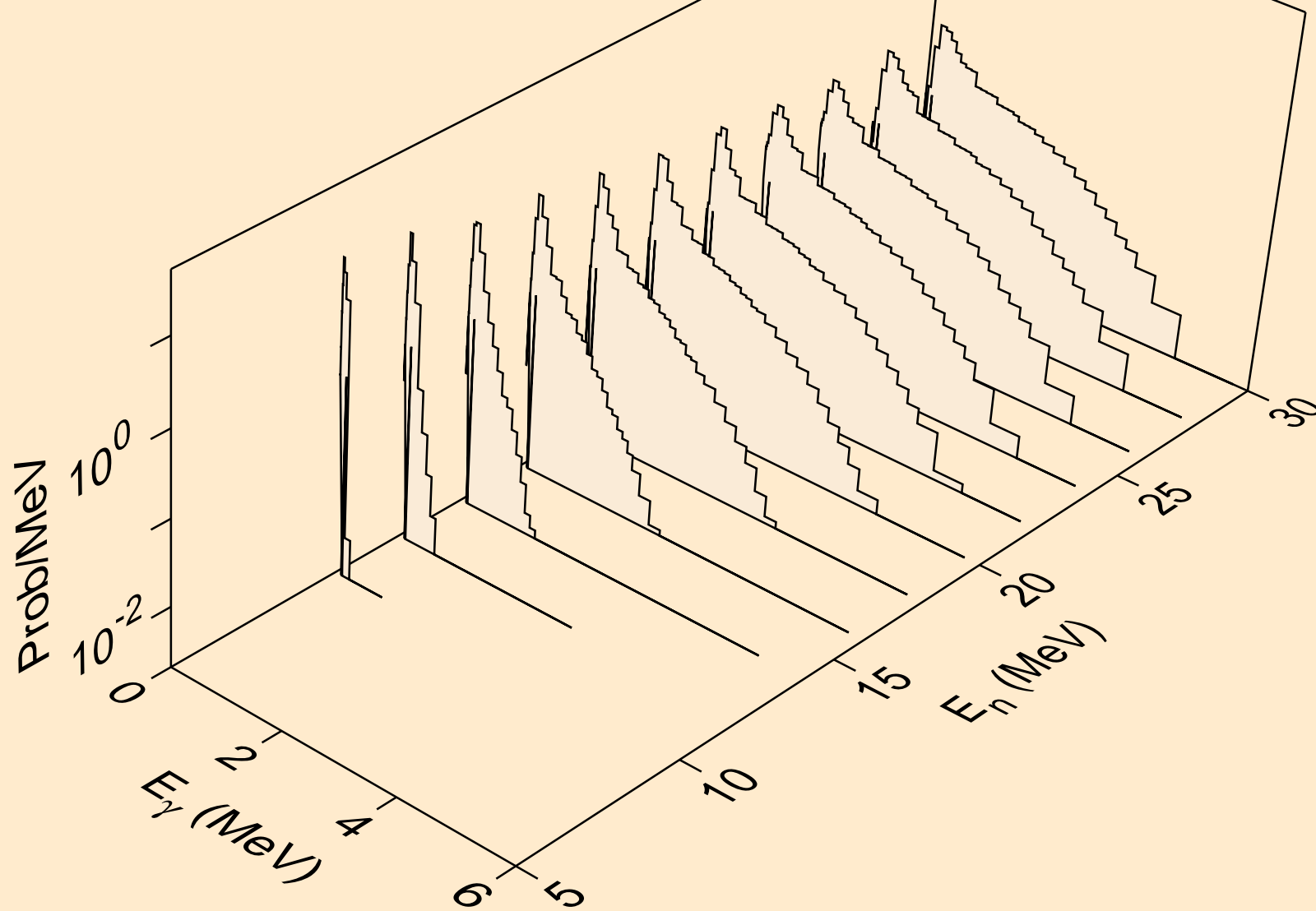
TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2n)a



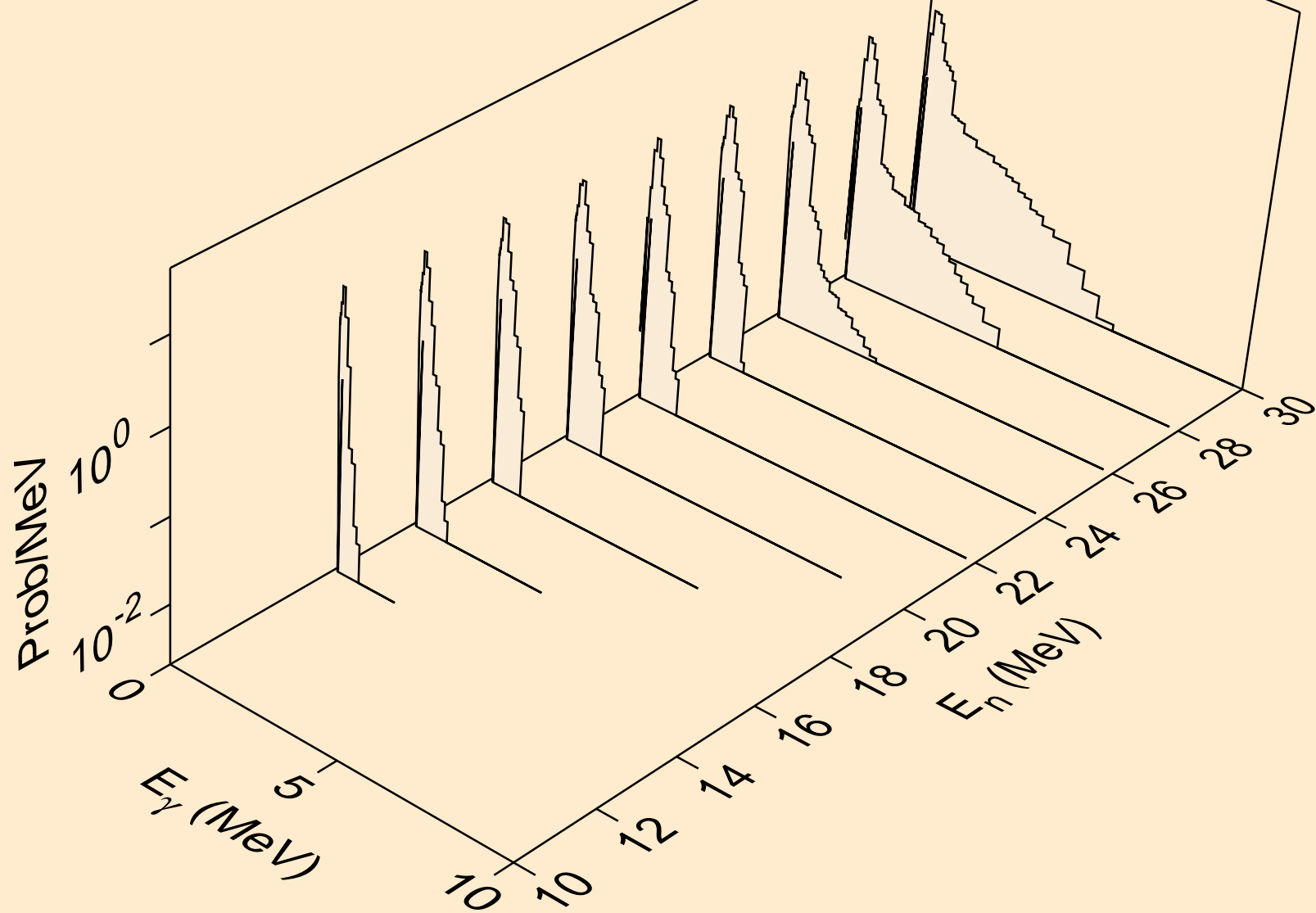
TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3n)a



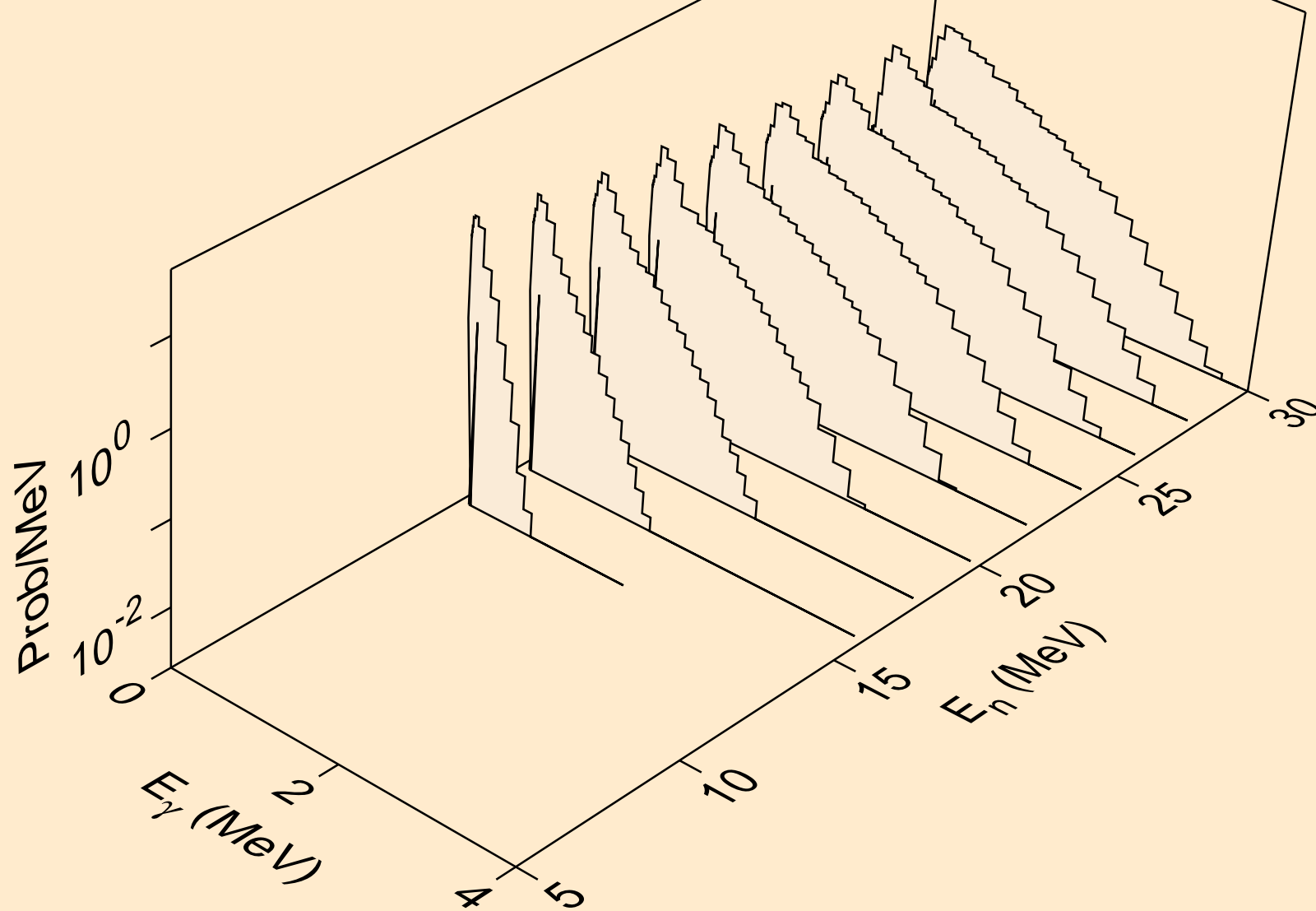
TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)p



TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)d

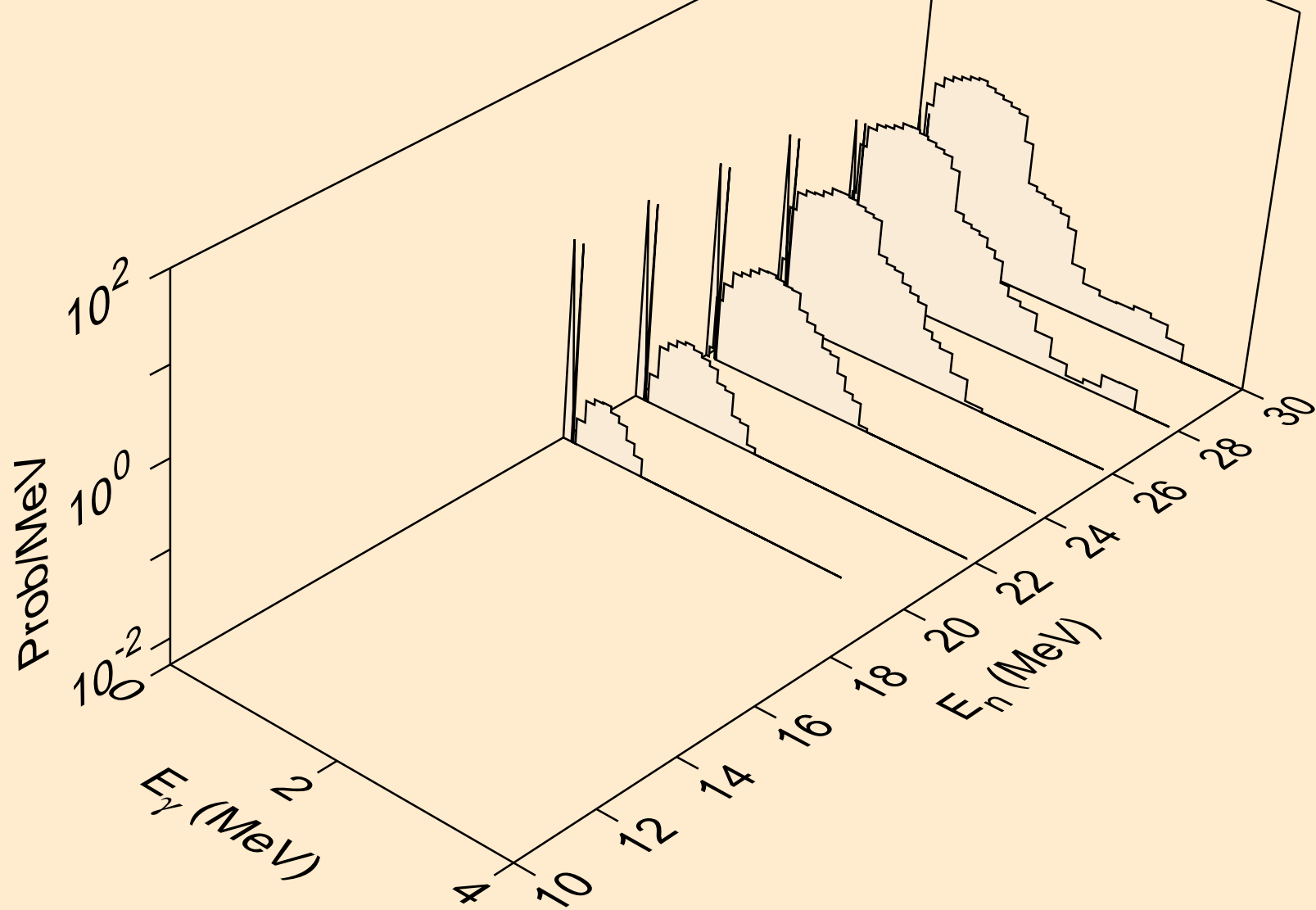


TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)t

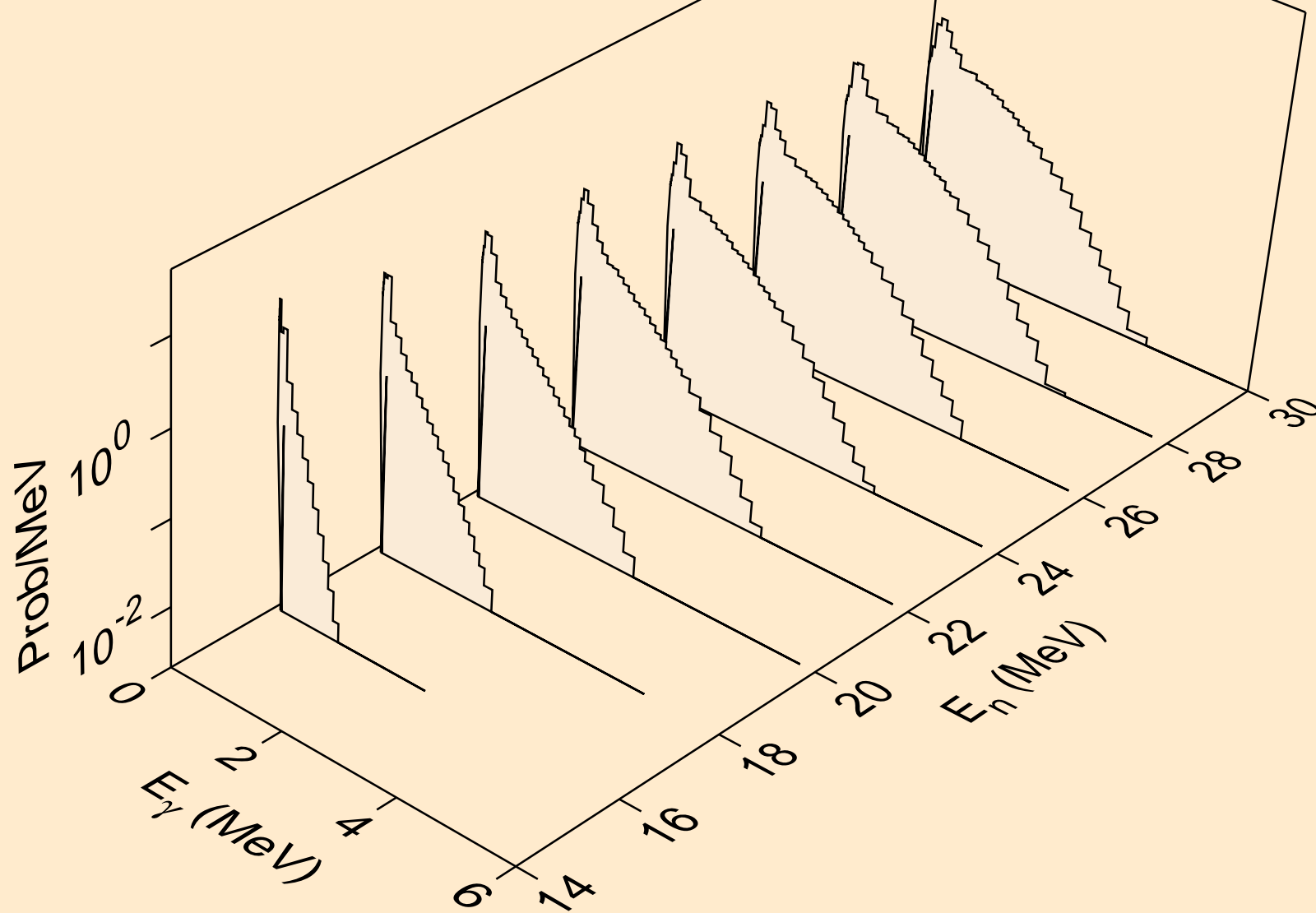




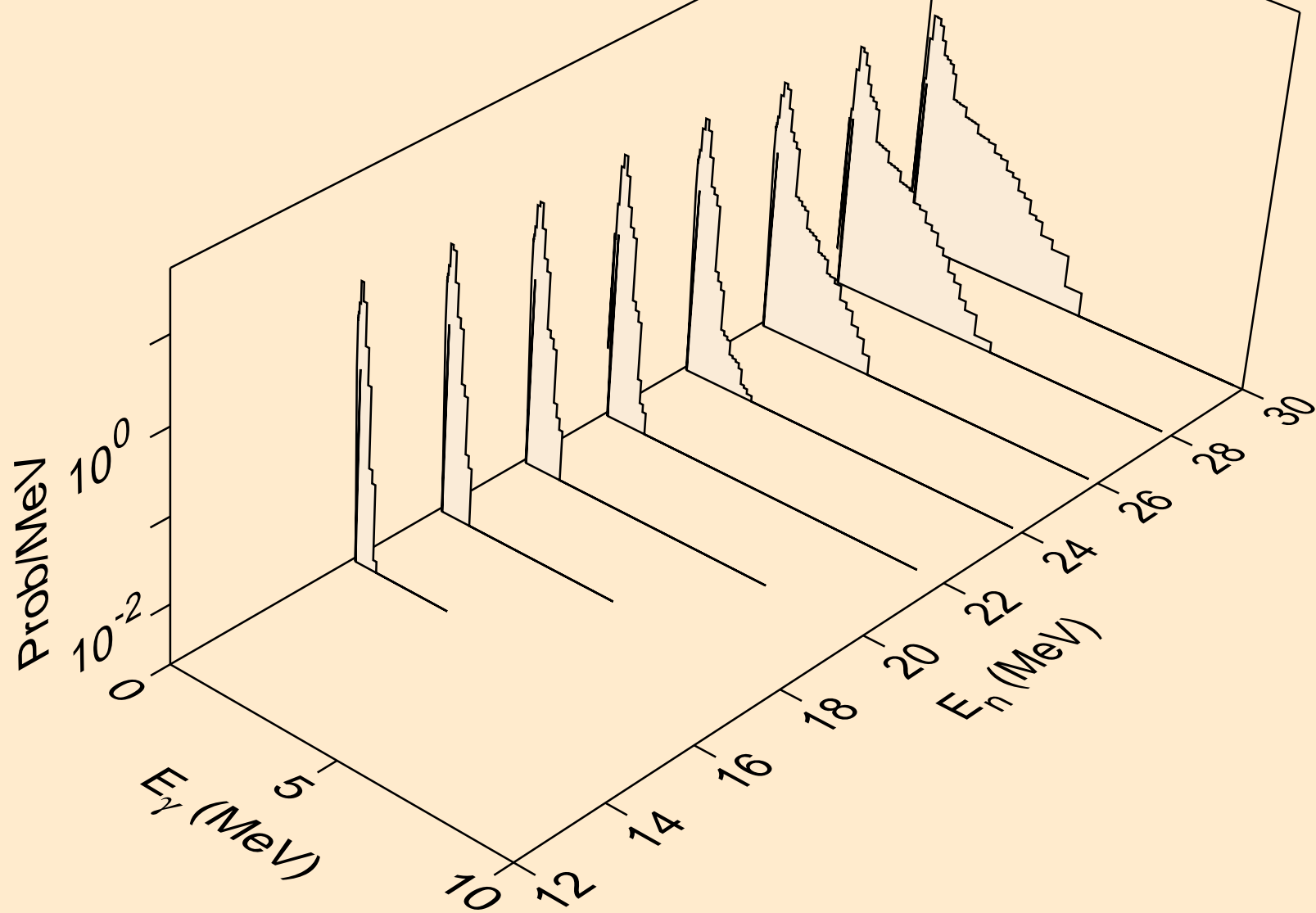
TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)he3



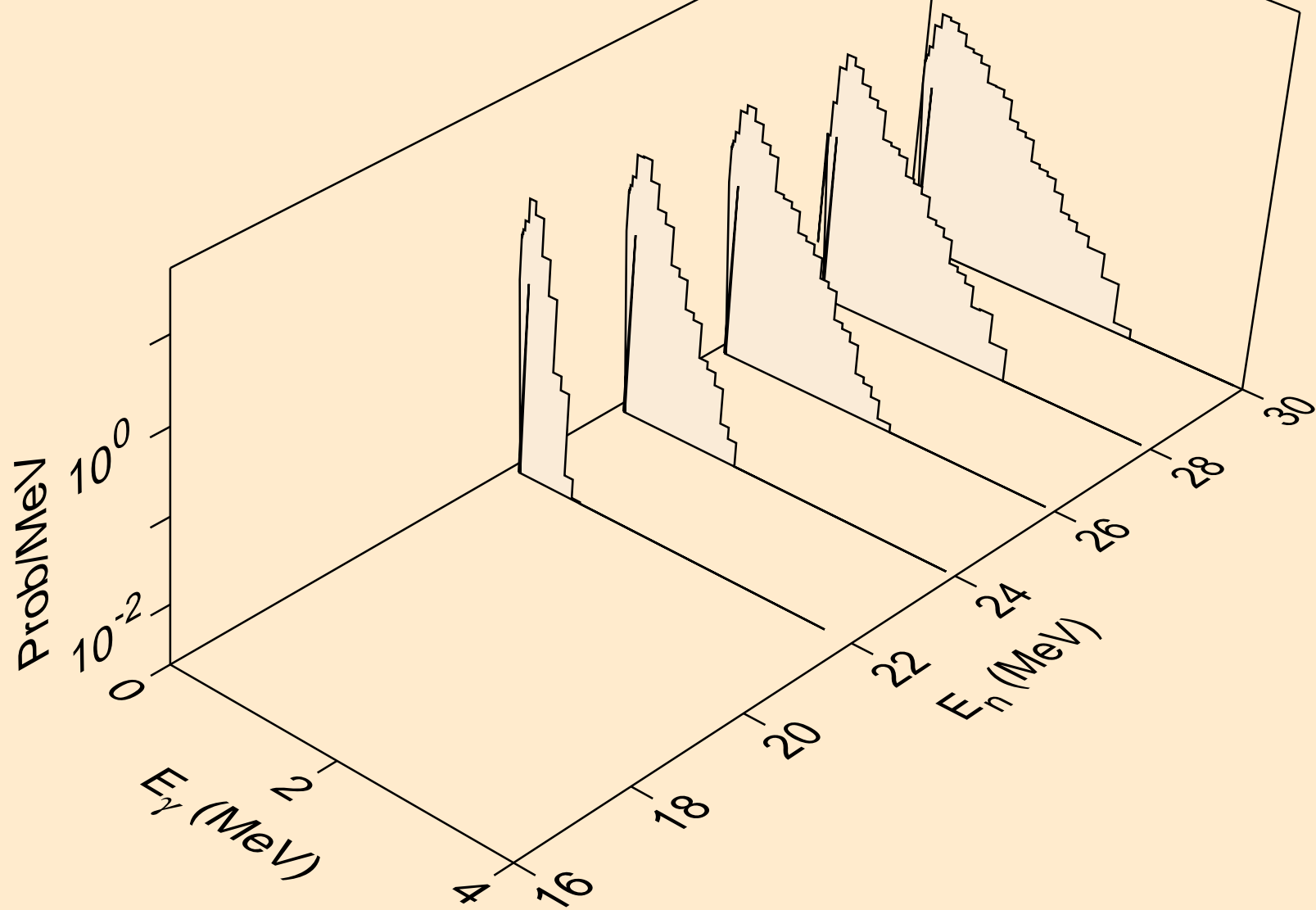
TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,4n)



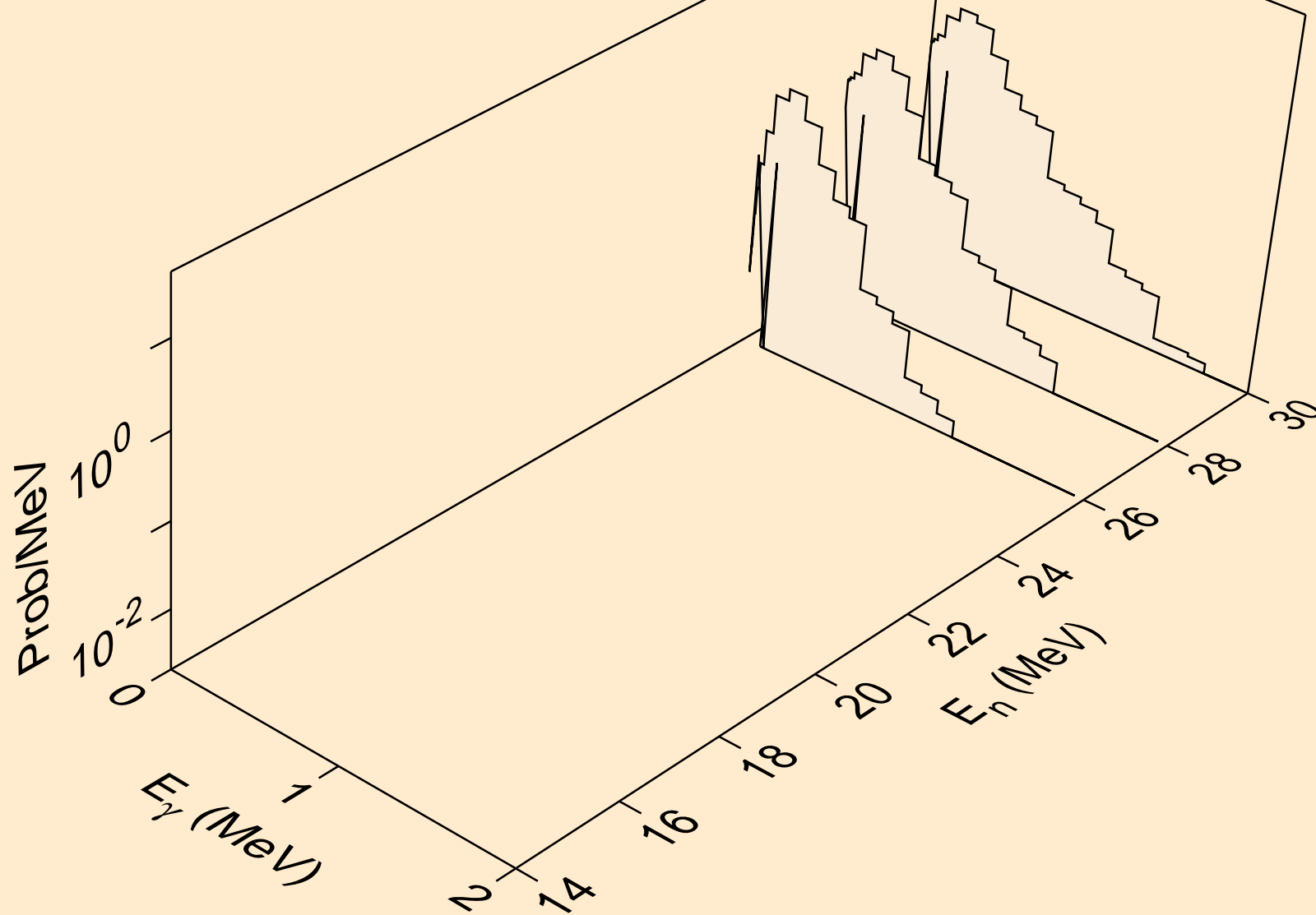
TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2np)



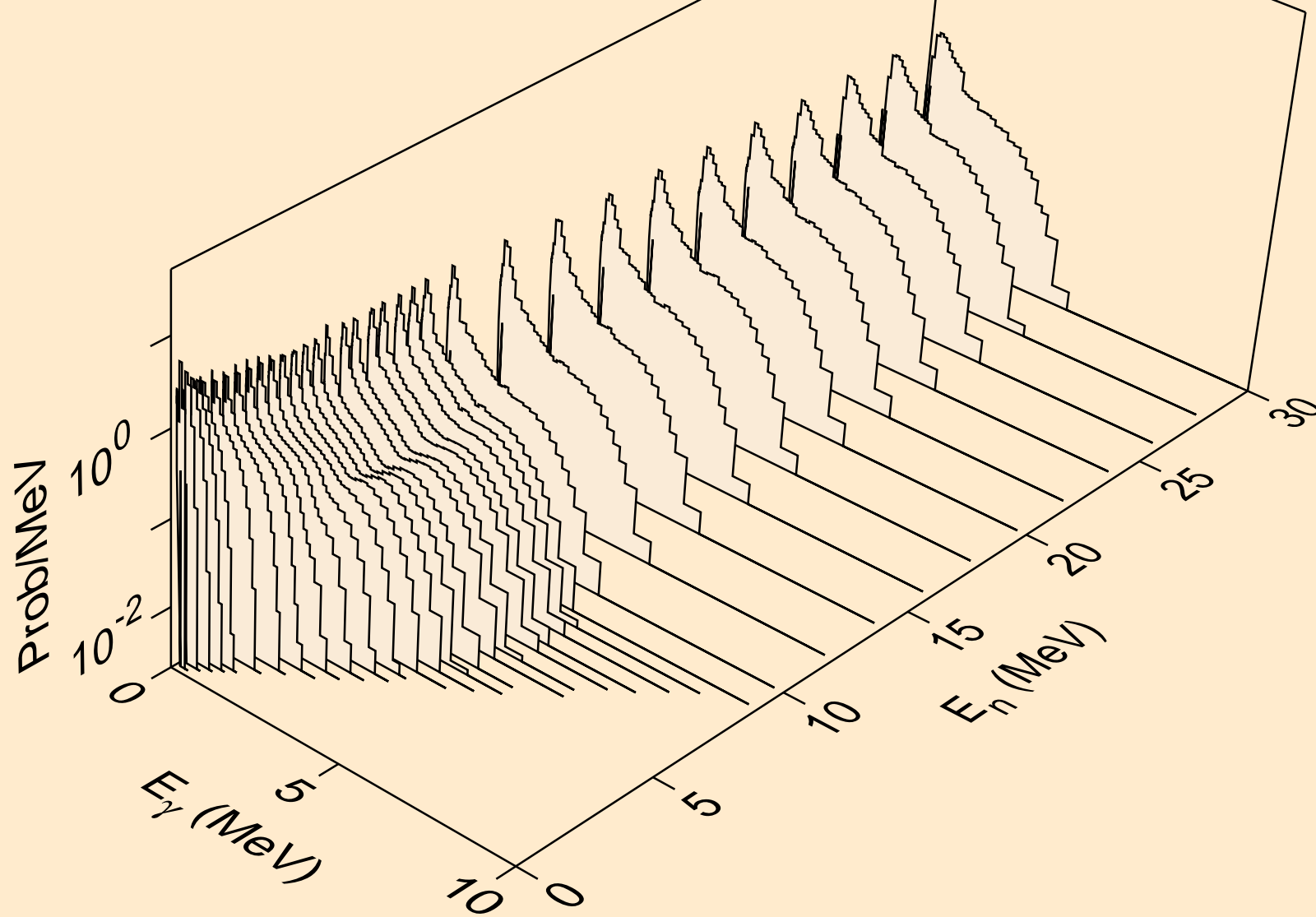
TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3np)



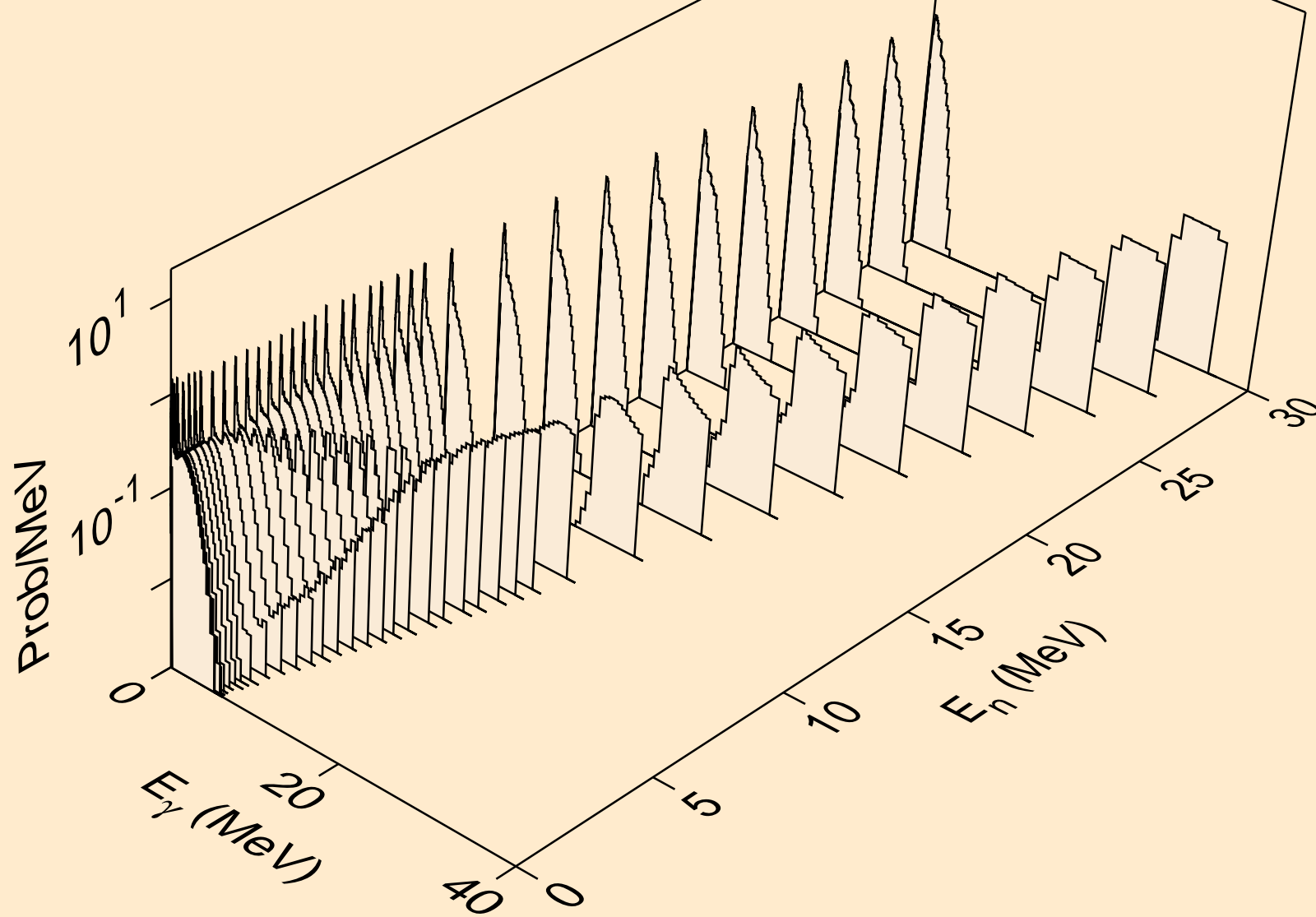
TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2np)



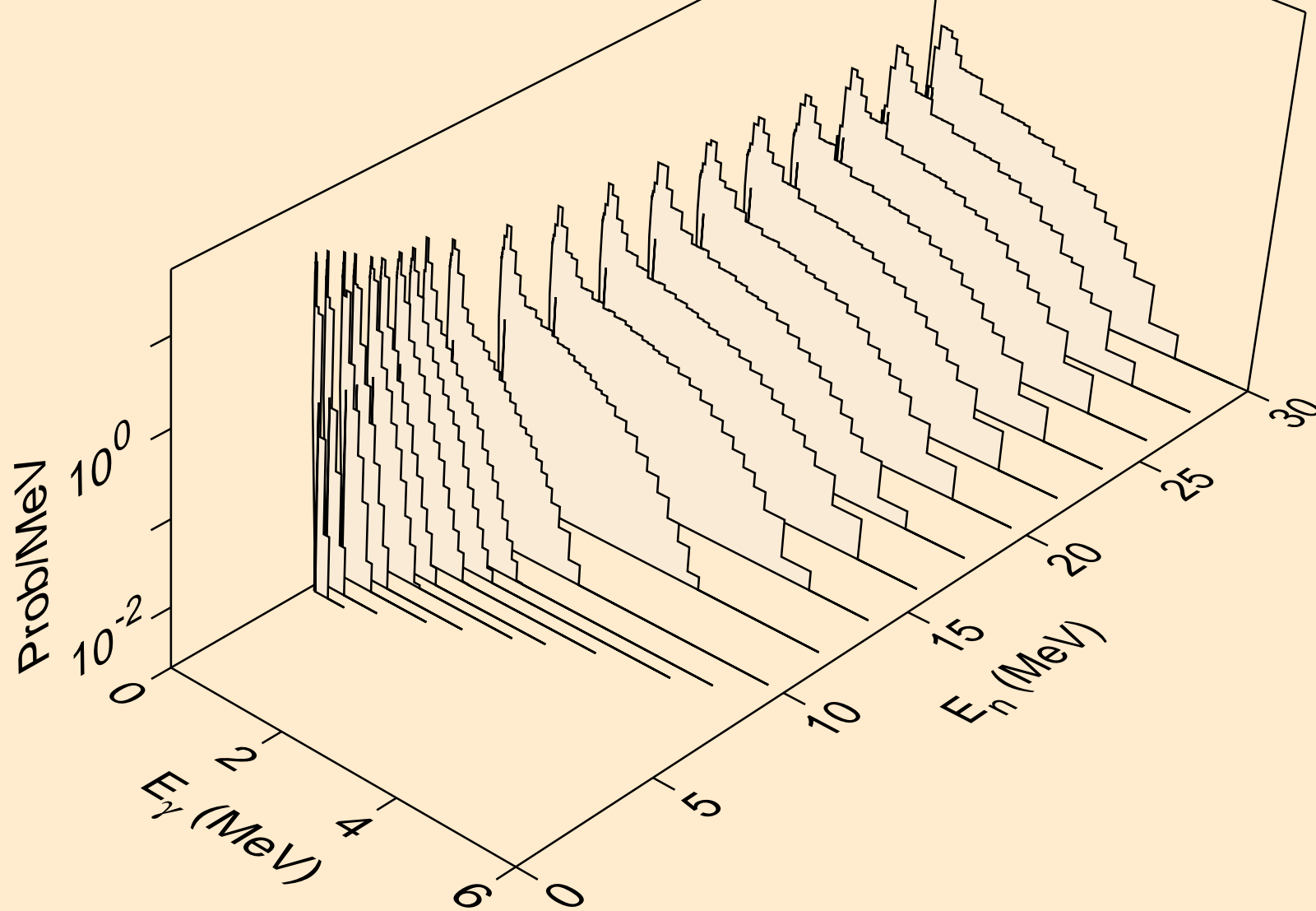
TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*c)



TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,gma)

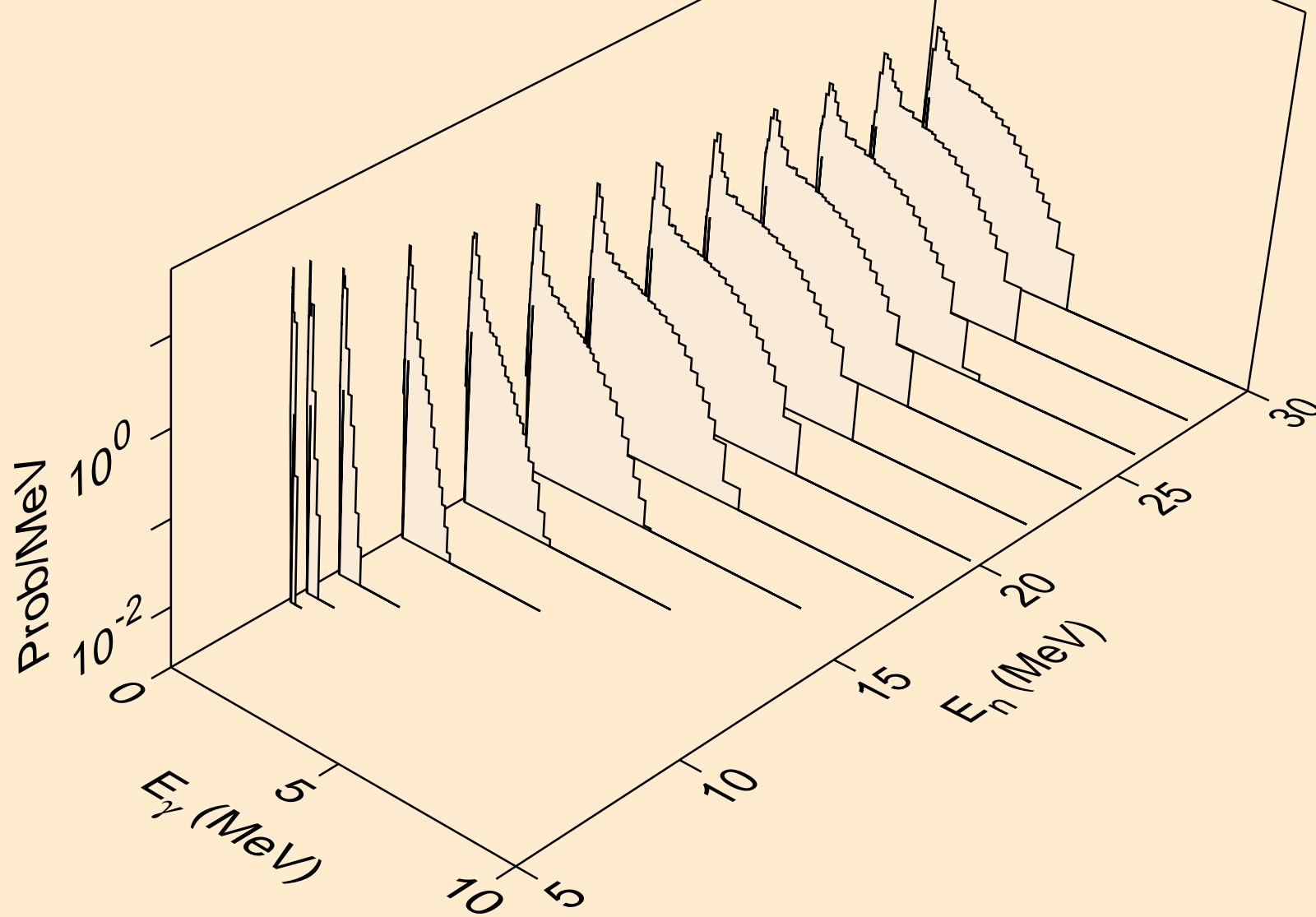


TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,p)

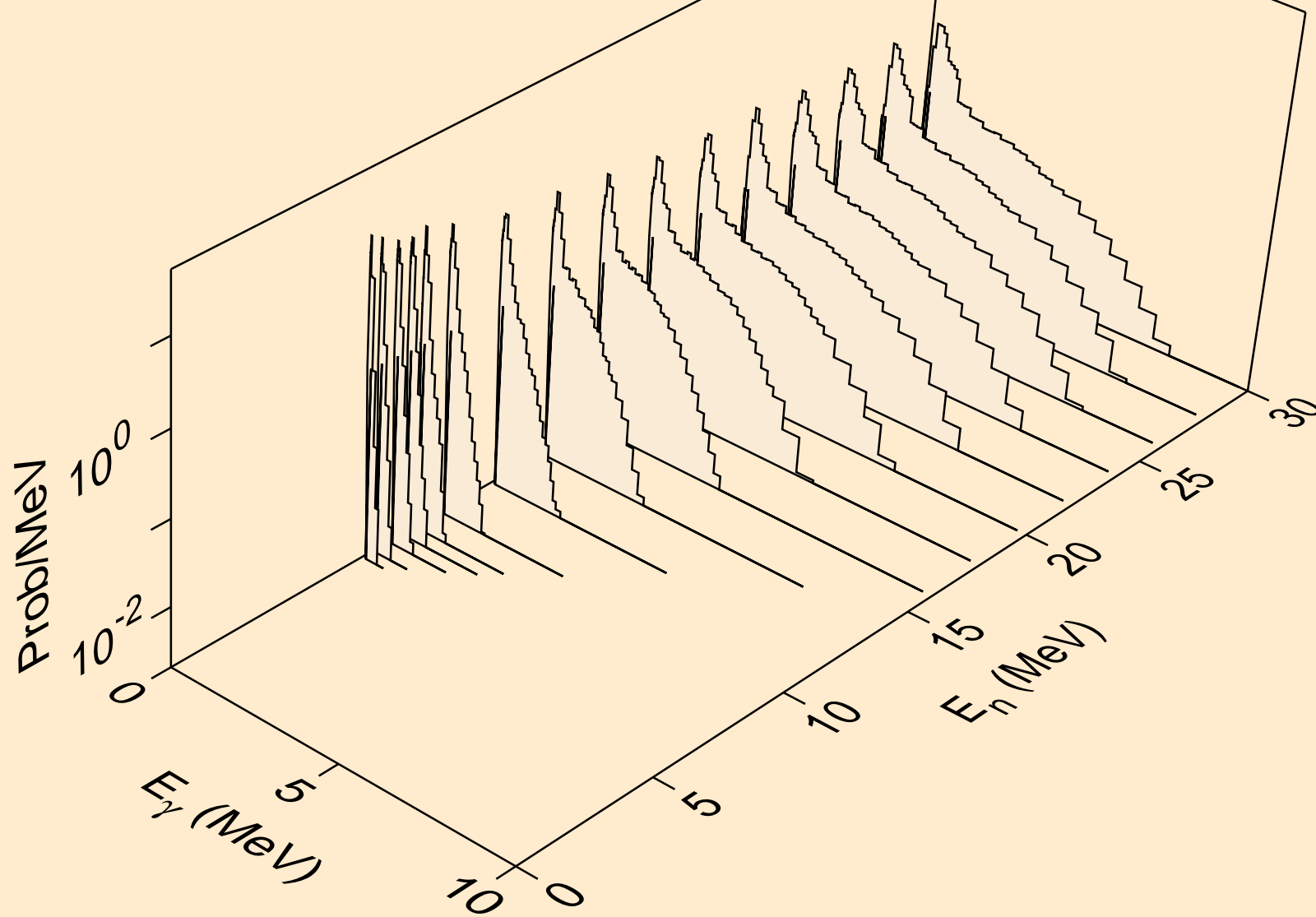




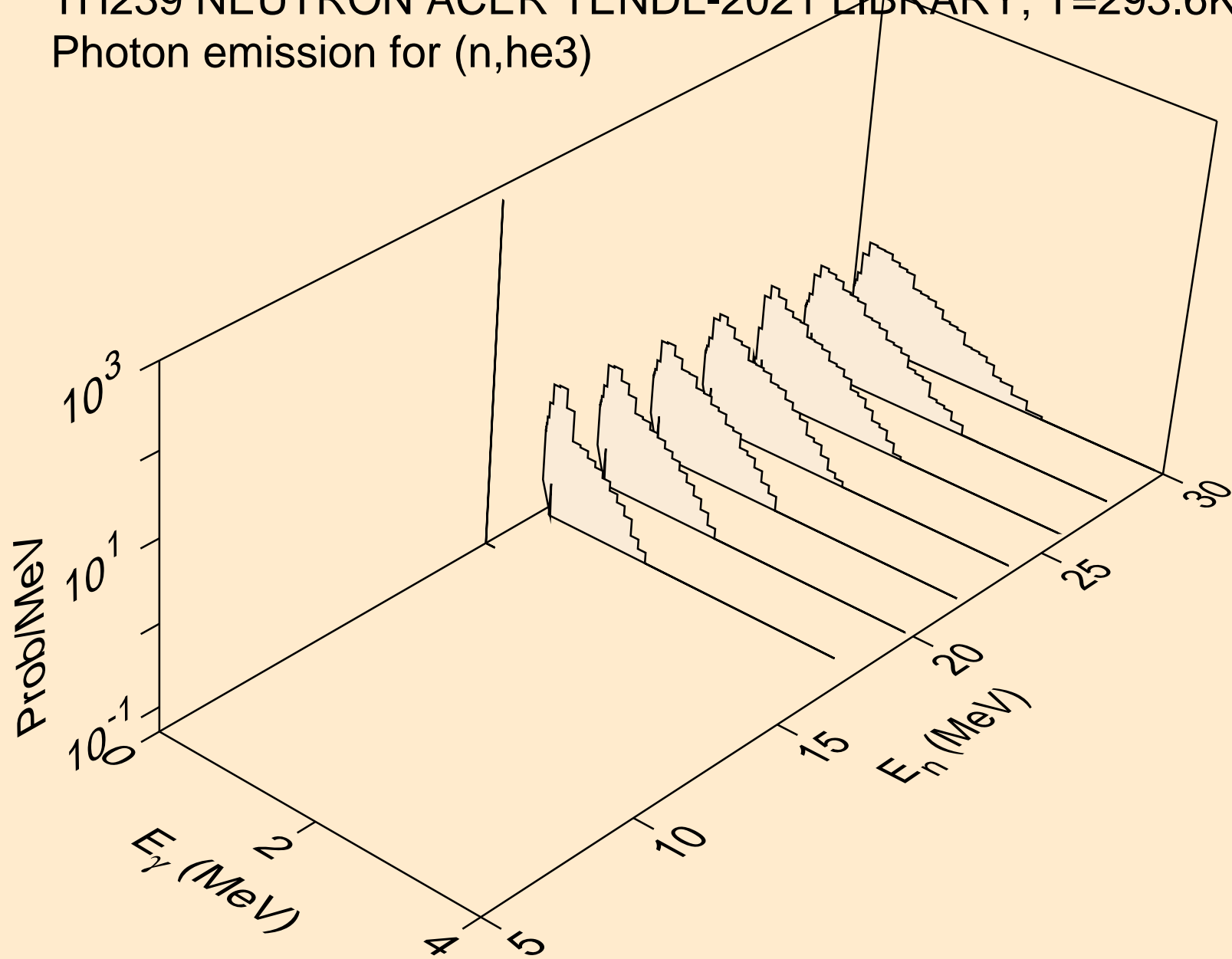
TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,d)



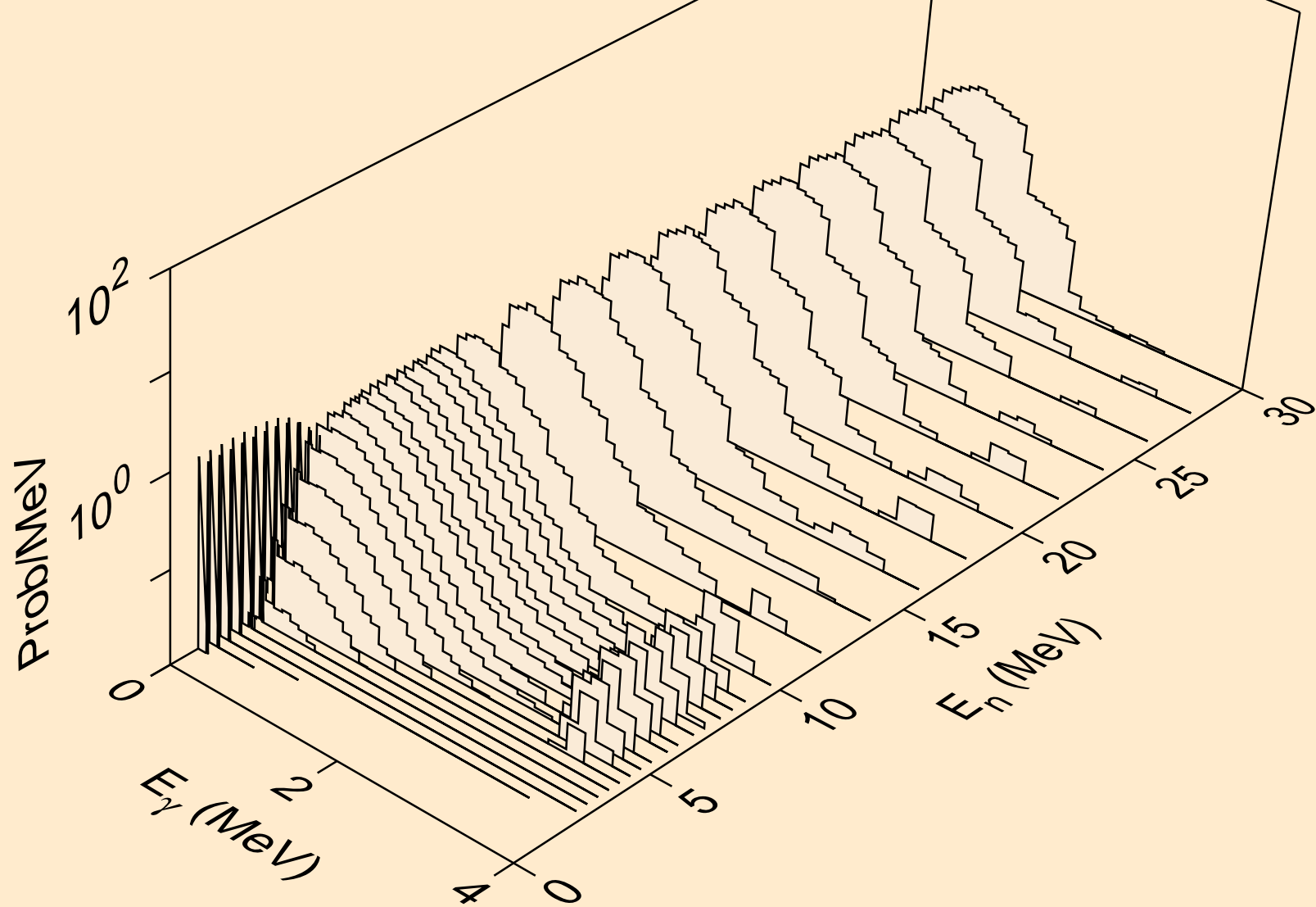
TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,t)



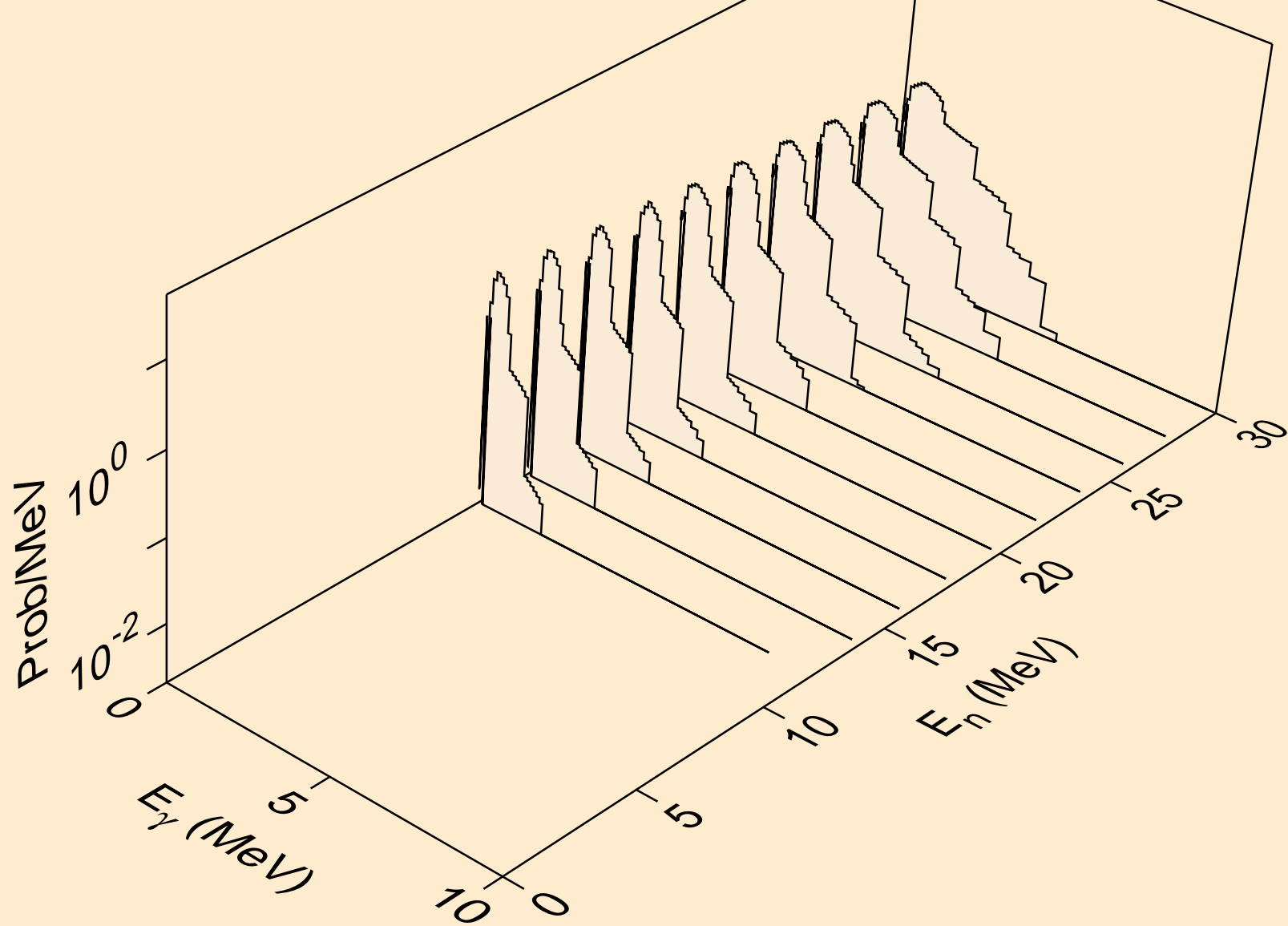
TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,he3)



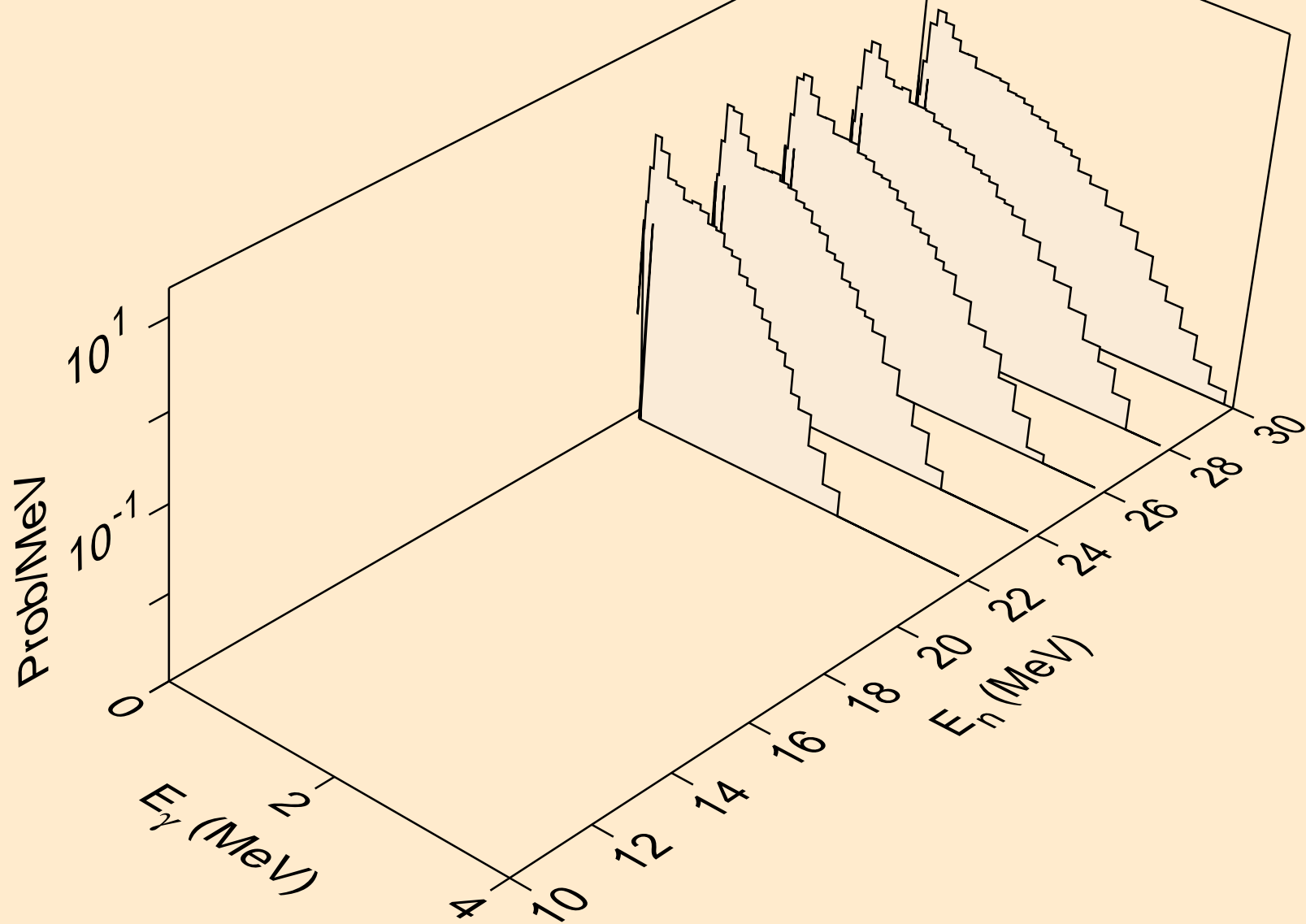
TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,a)



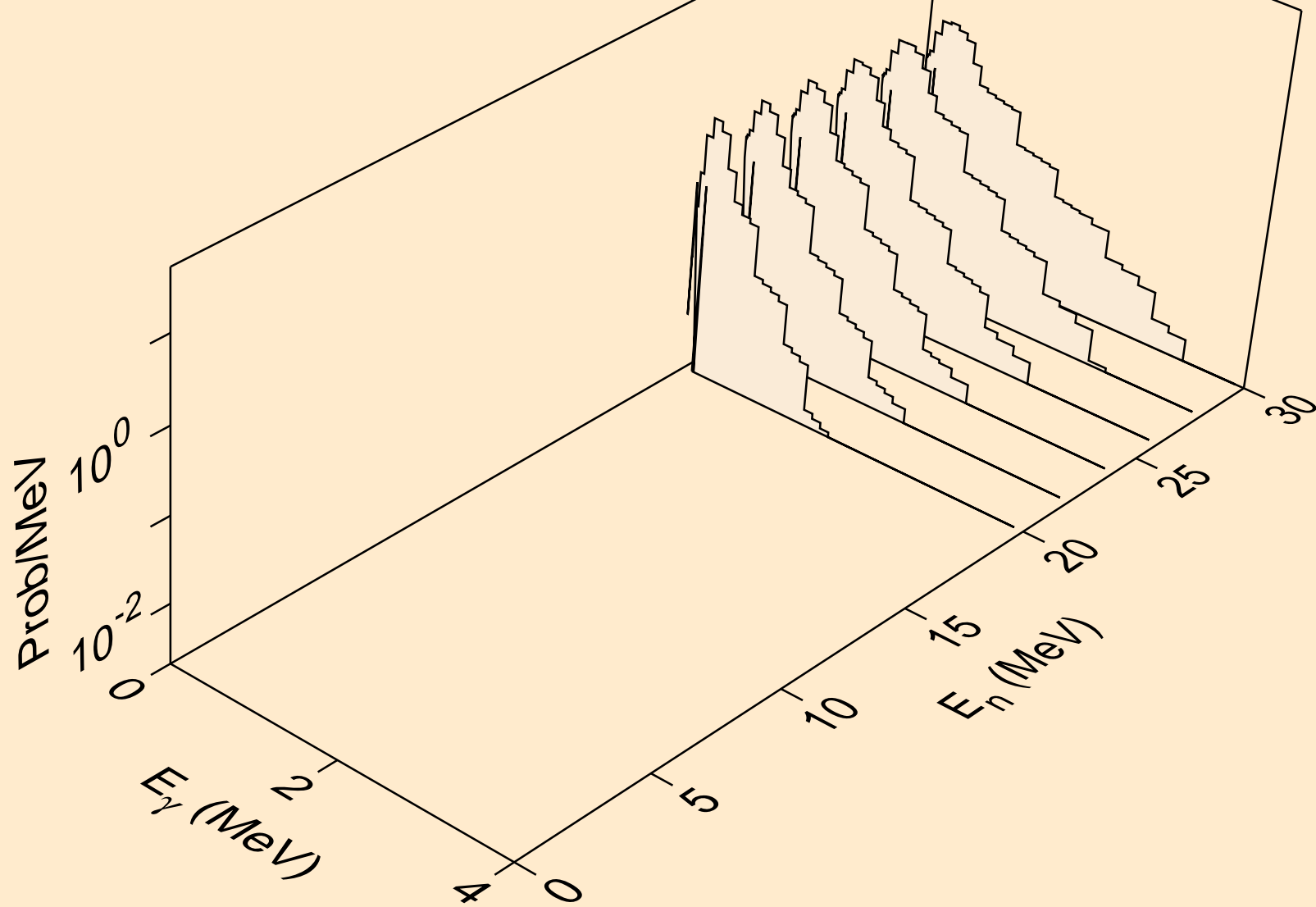
TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2a)



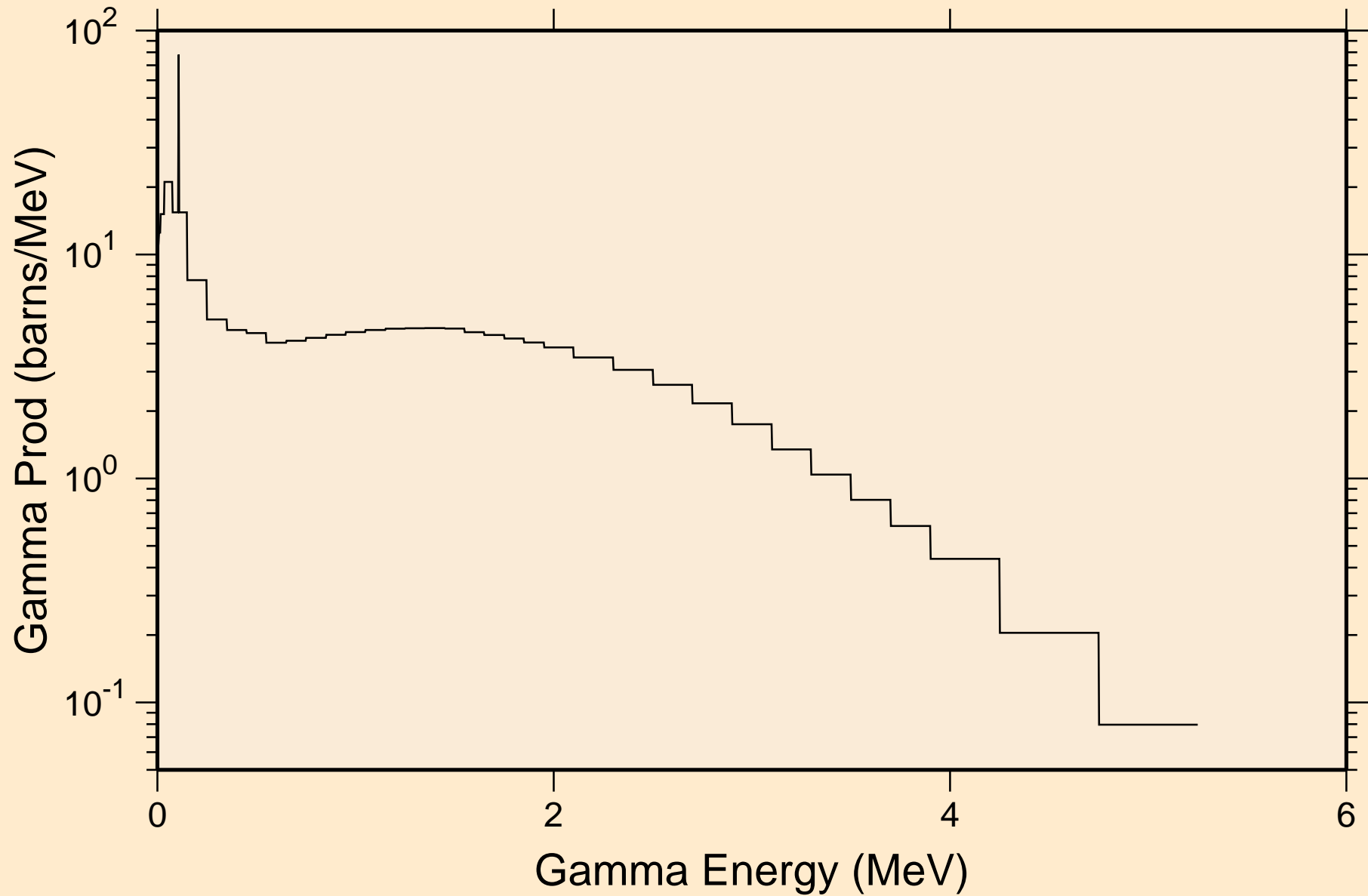
TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2p)



TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,p)

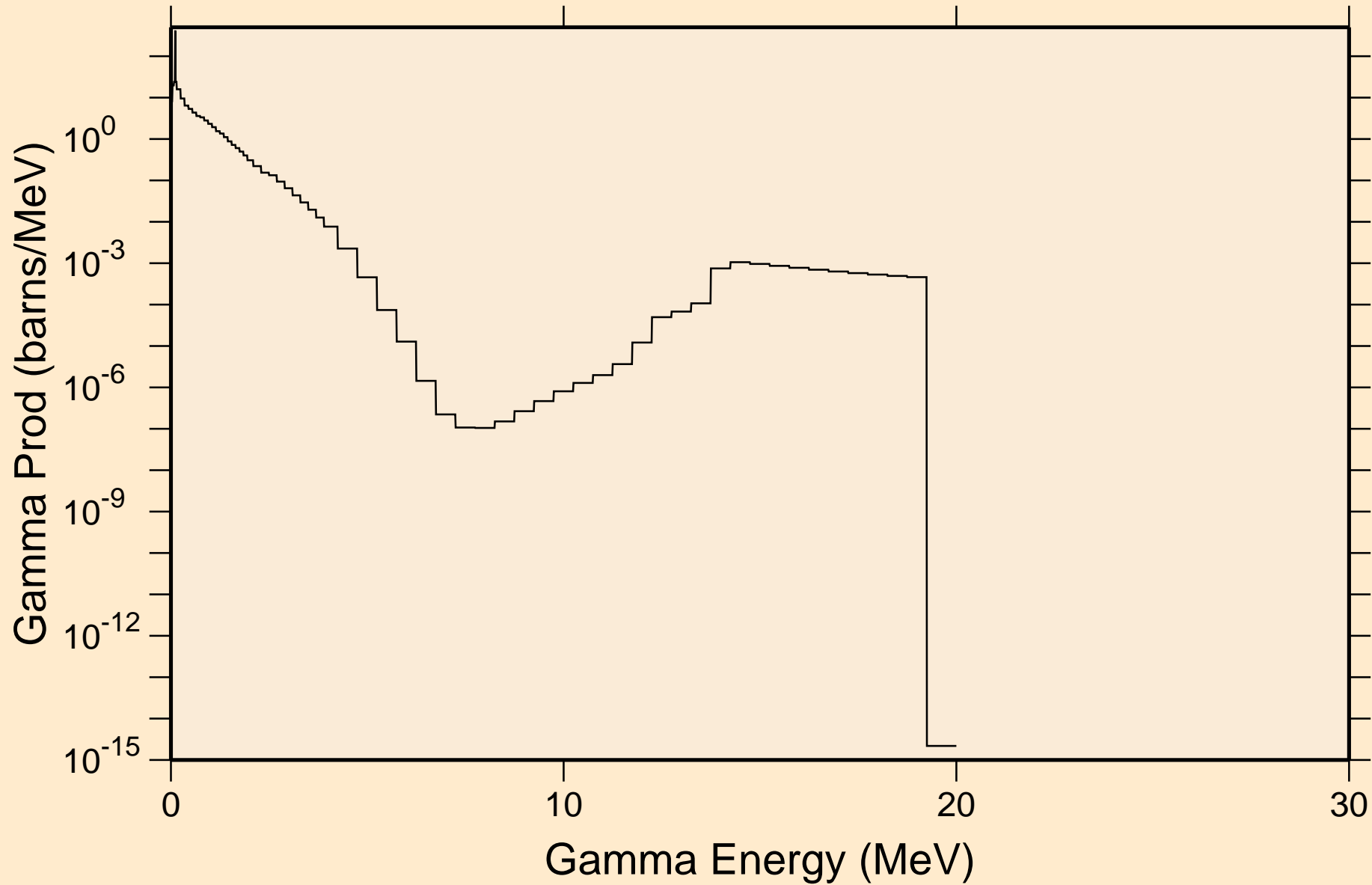


TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
thermal capture photon spectrum



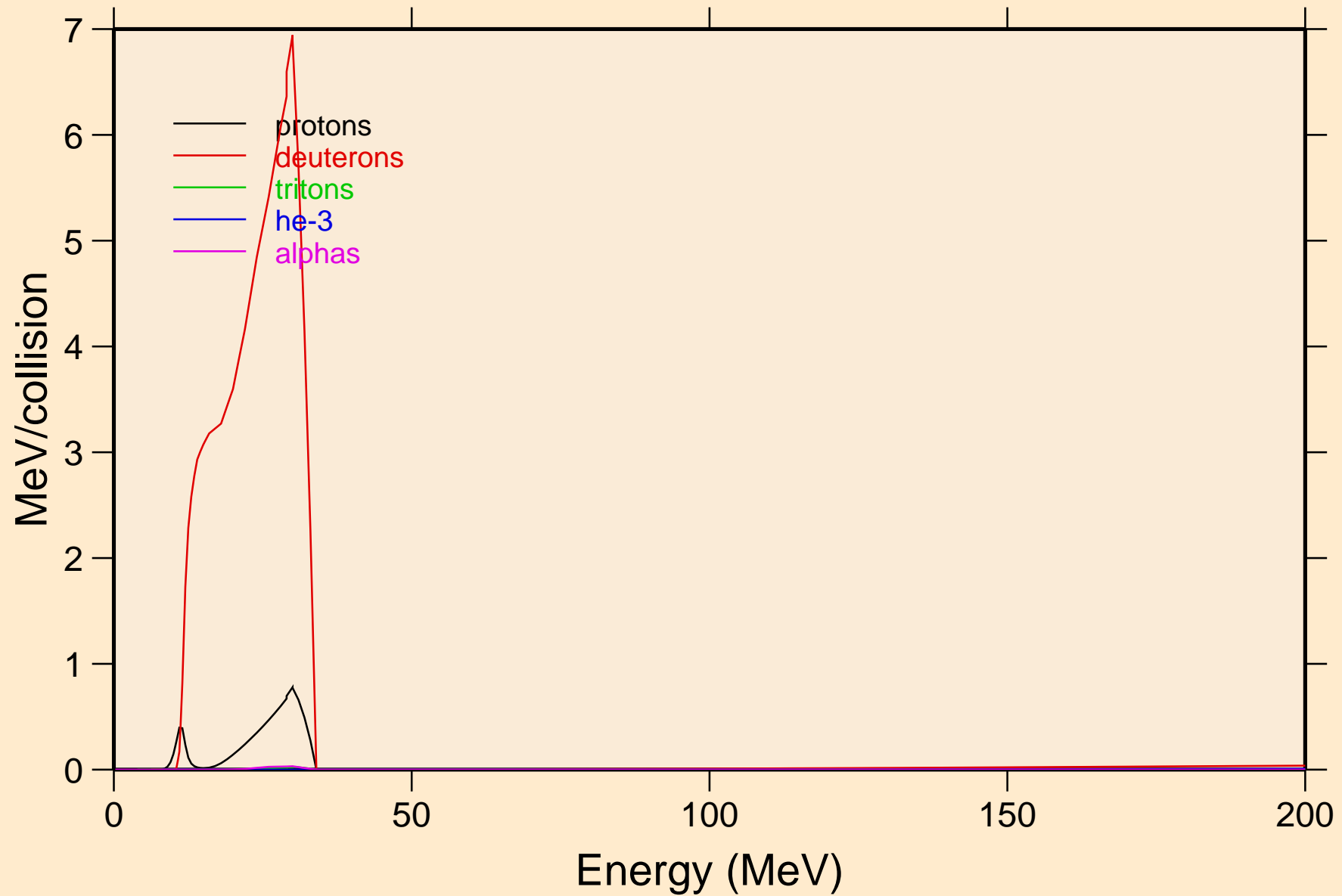


TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
14 MeV photon spectrum

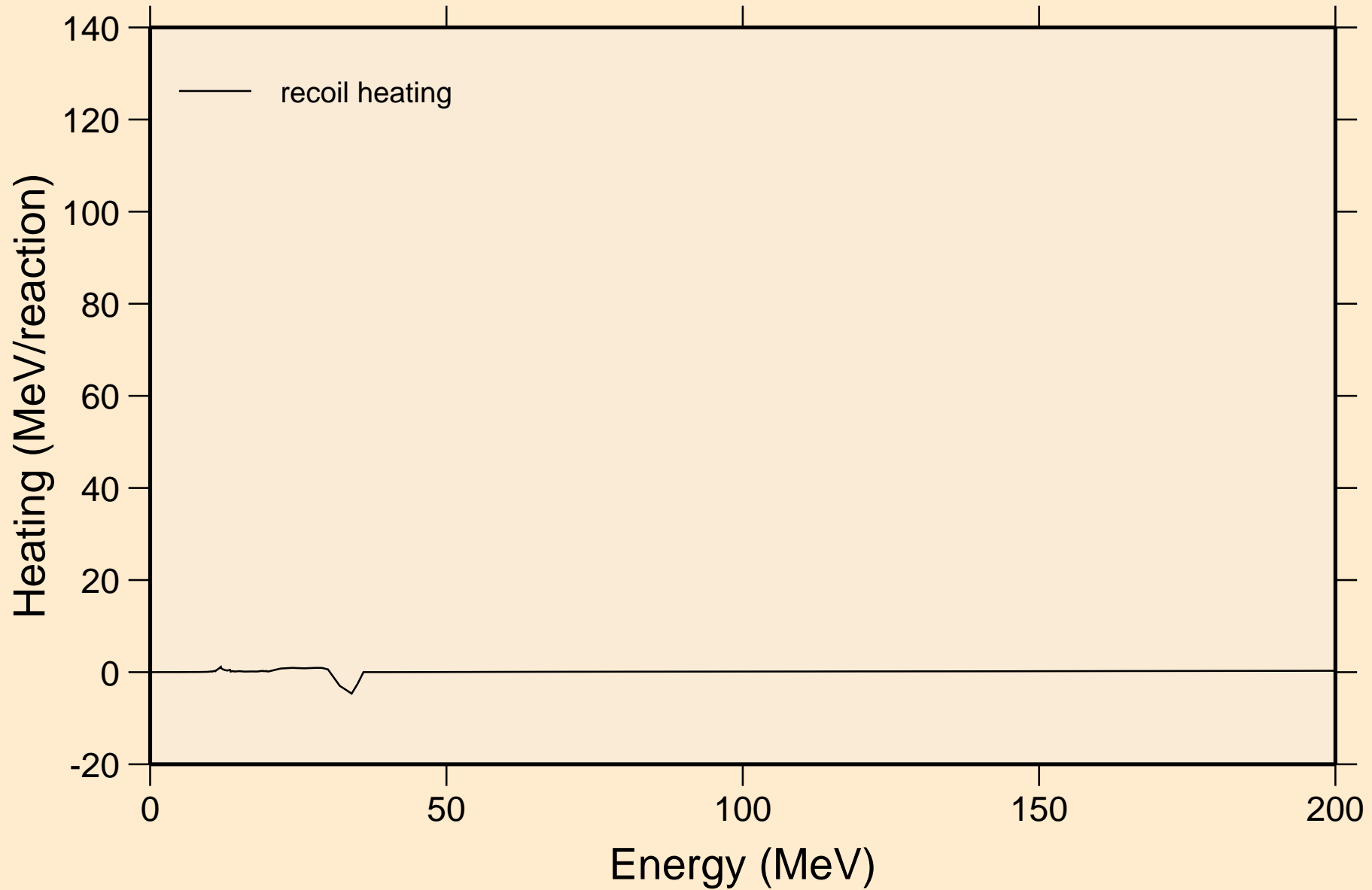


# TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Particle heating contributions

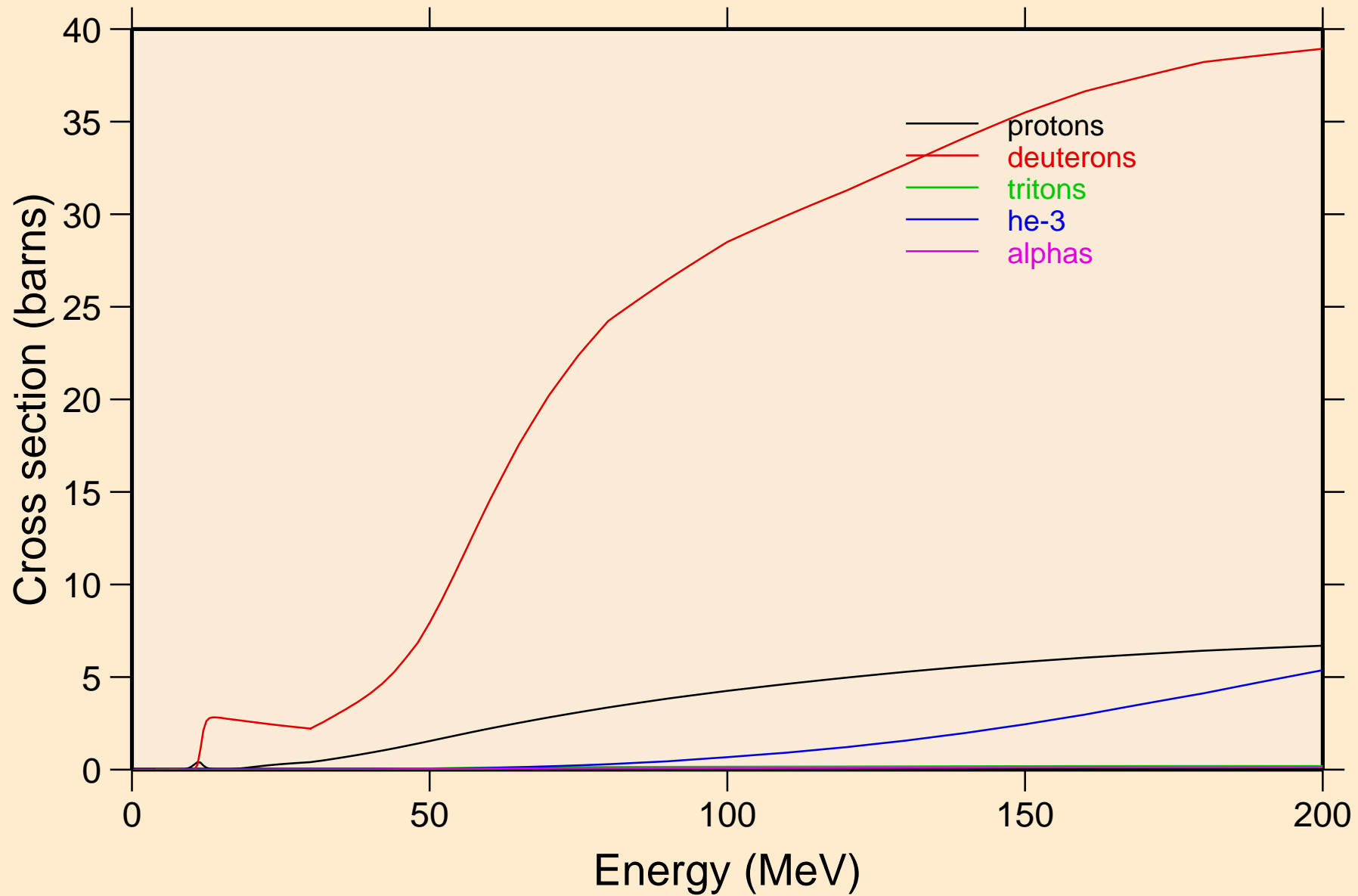


TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Recoil Heating

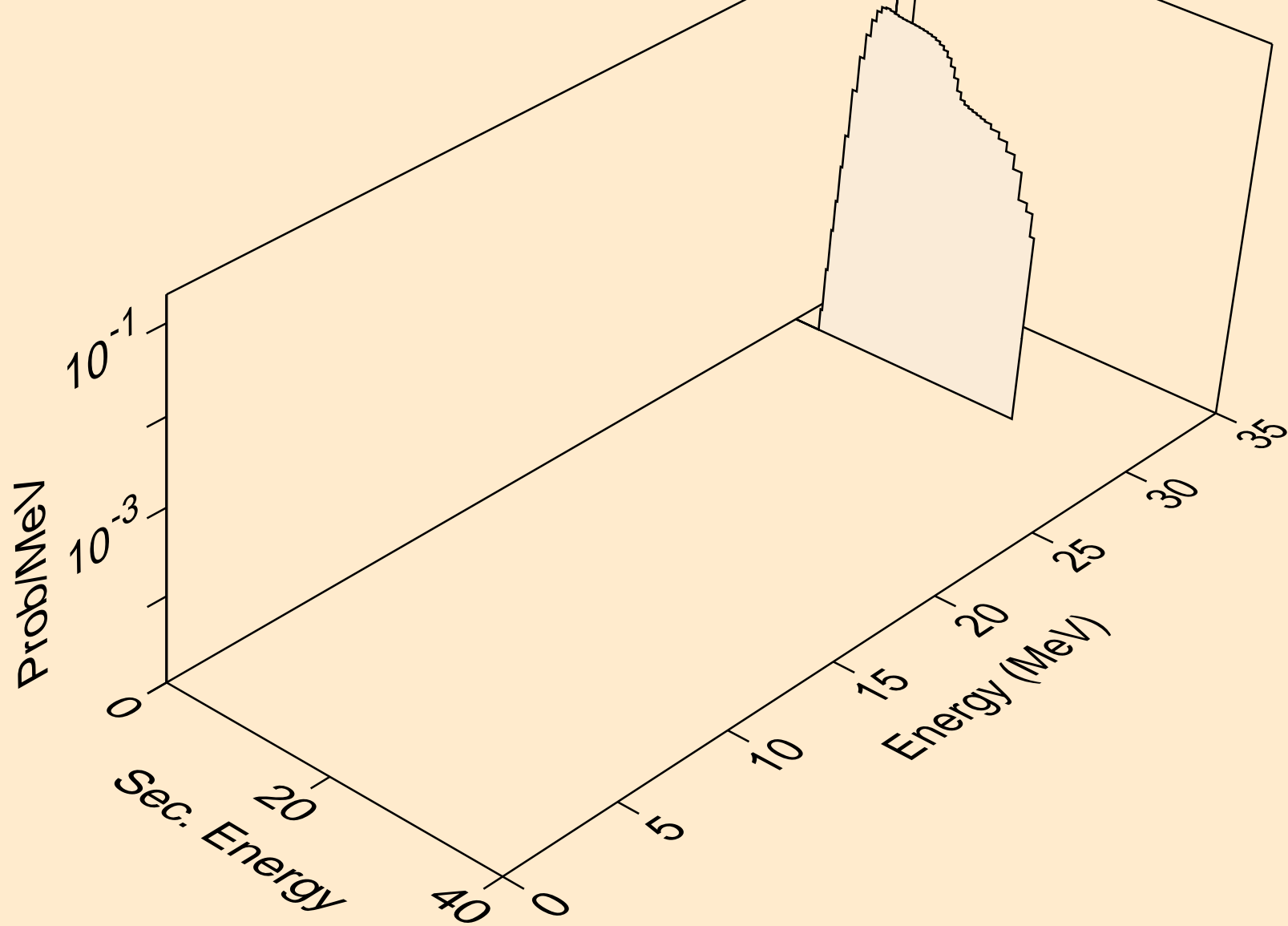


# TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

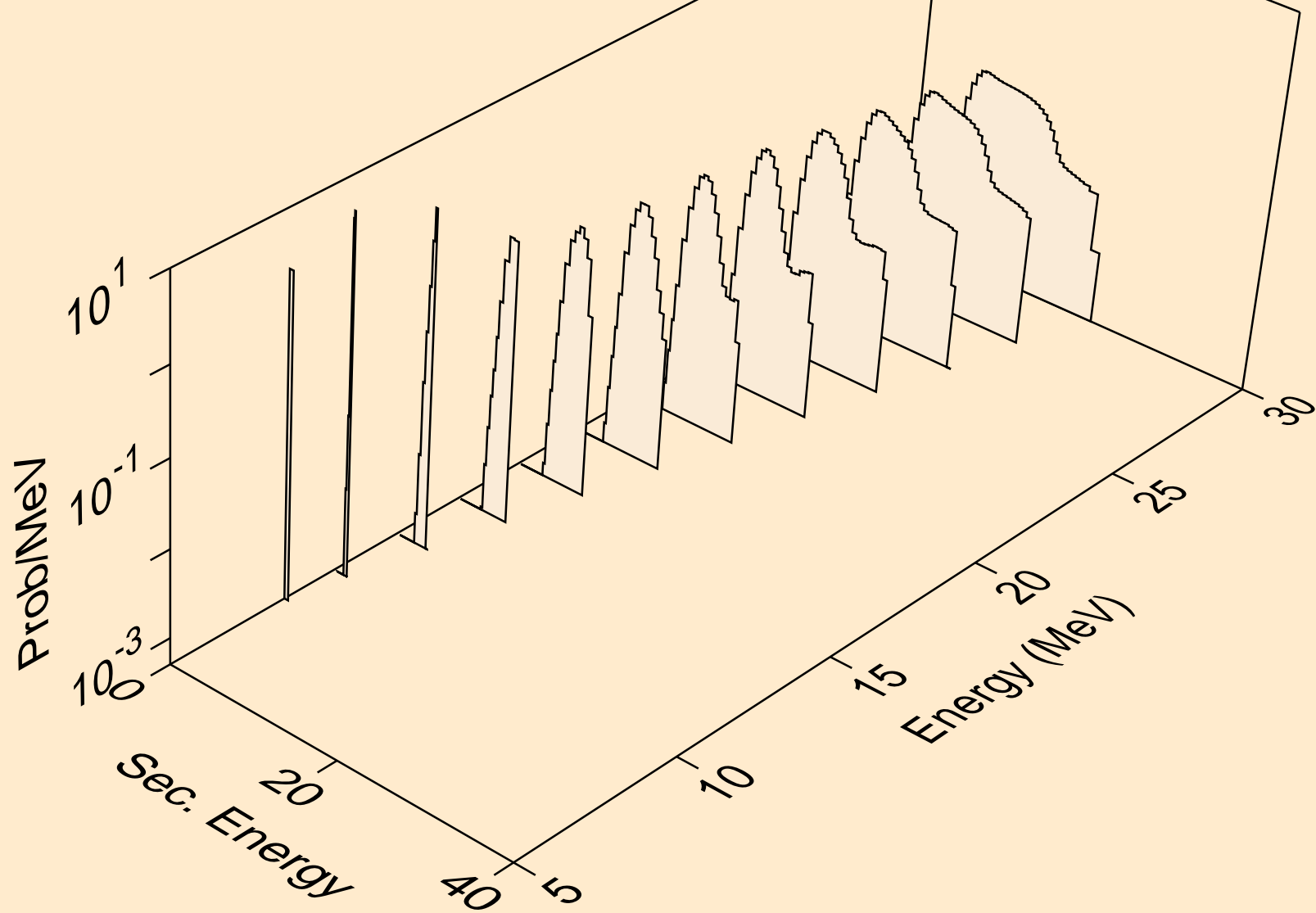
## Particle production cross sections



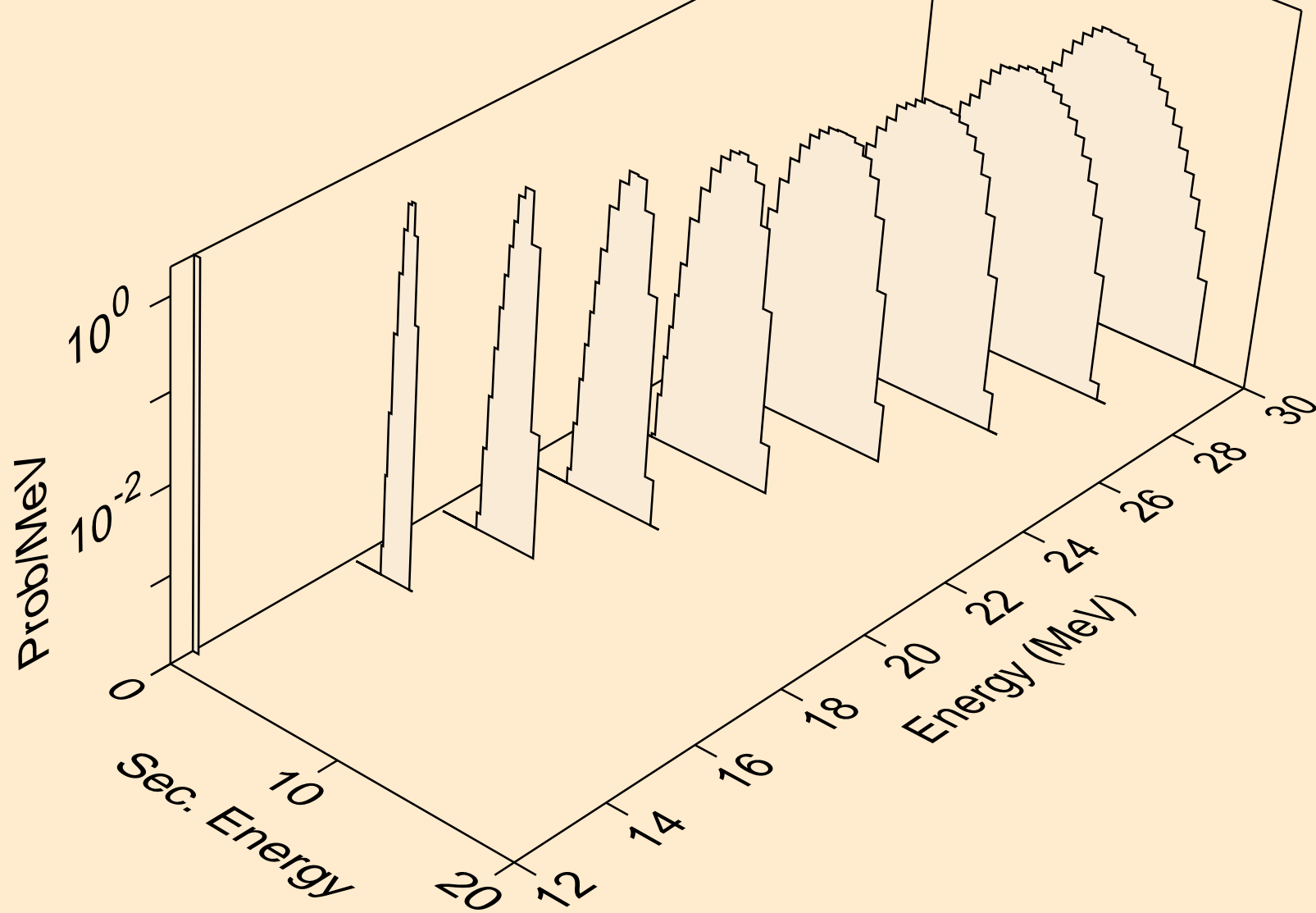
TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,x)



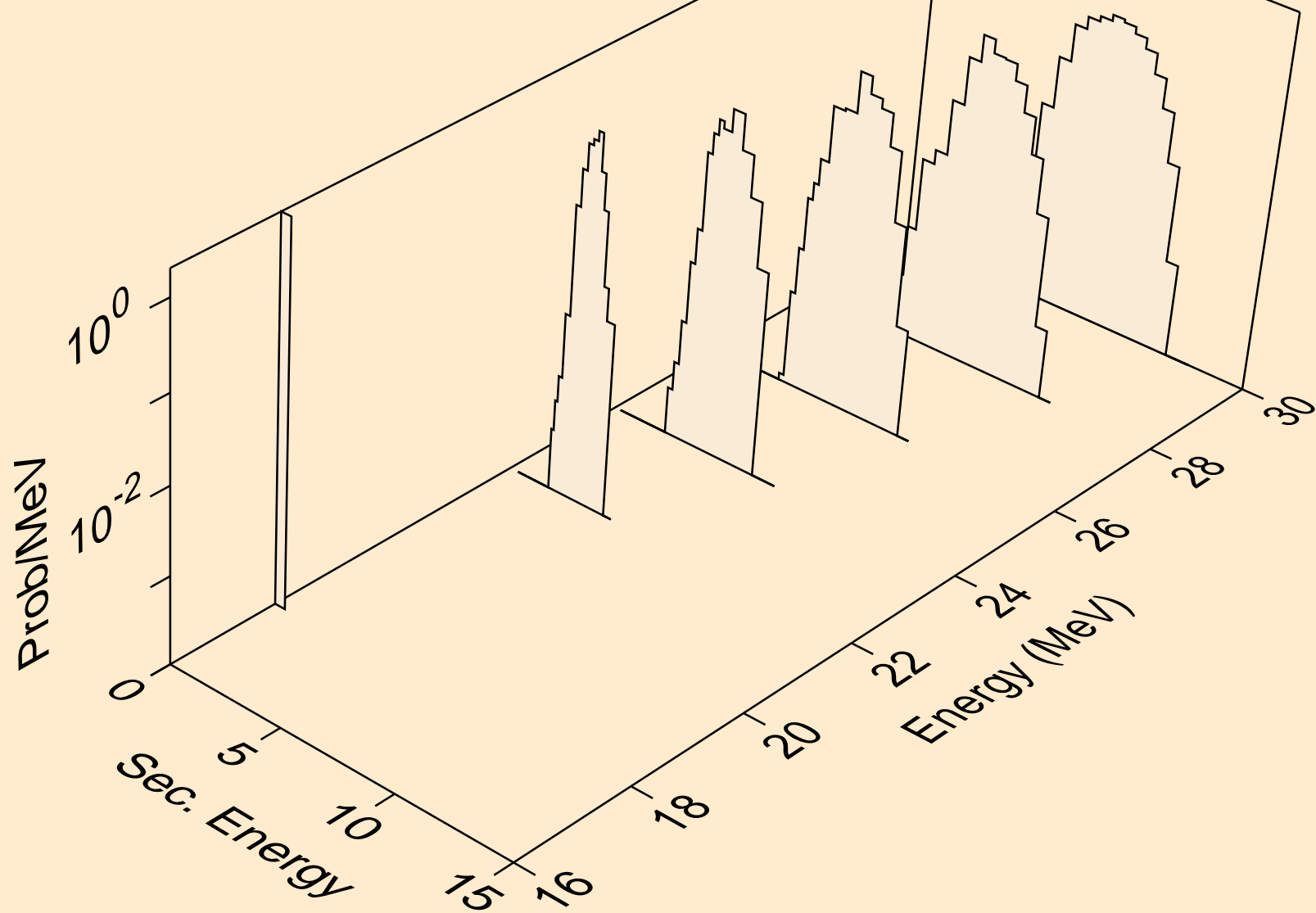
TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,n\*)p



TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,2np)

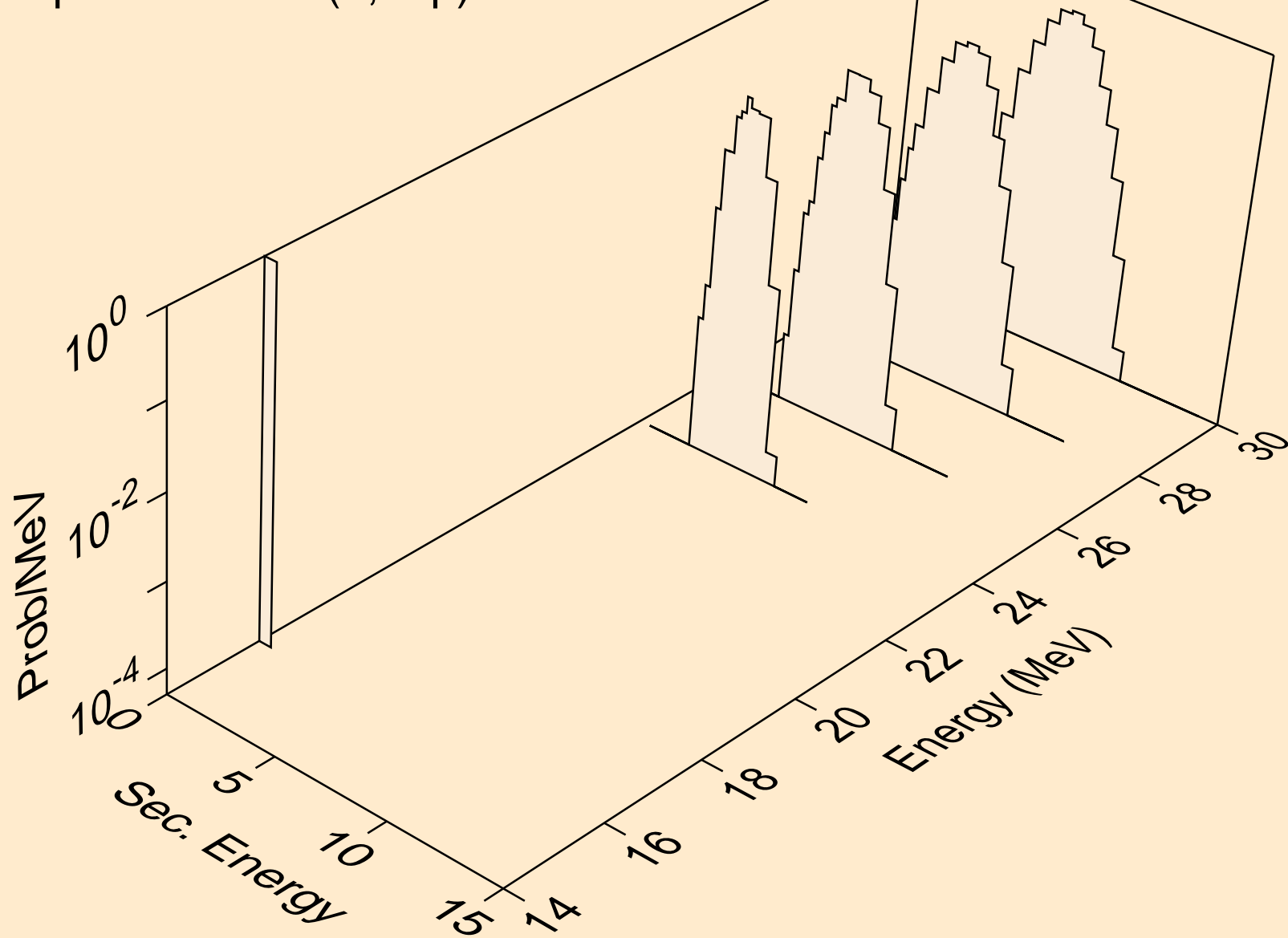


TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,3np)

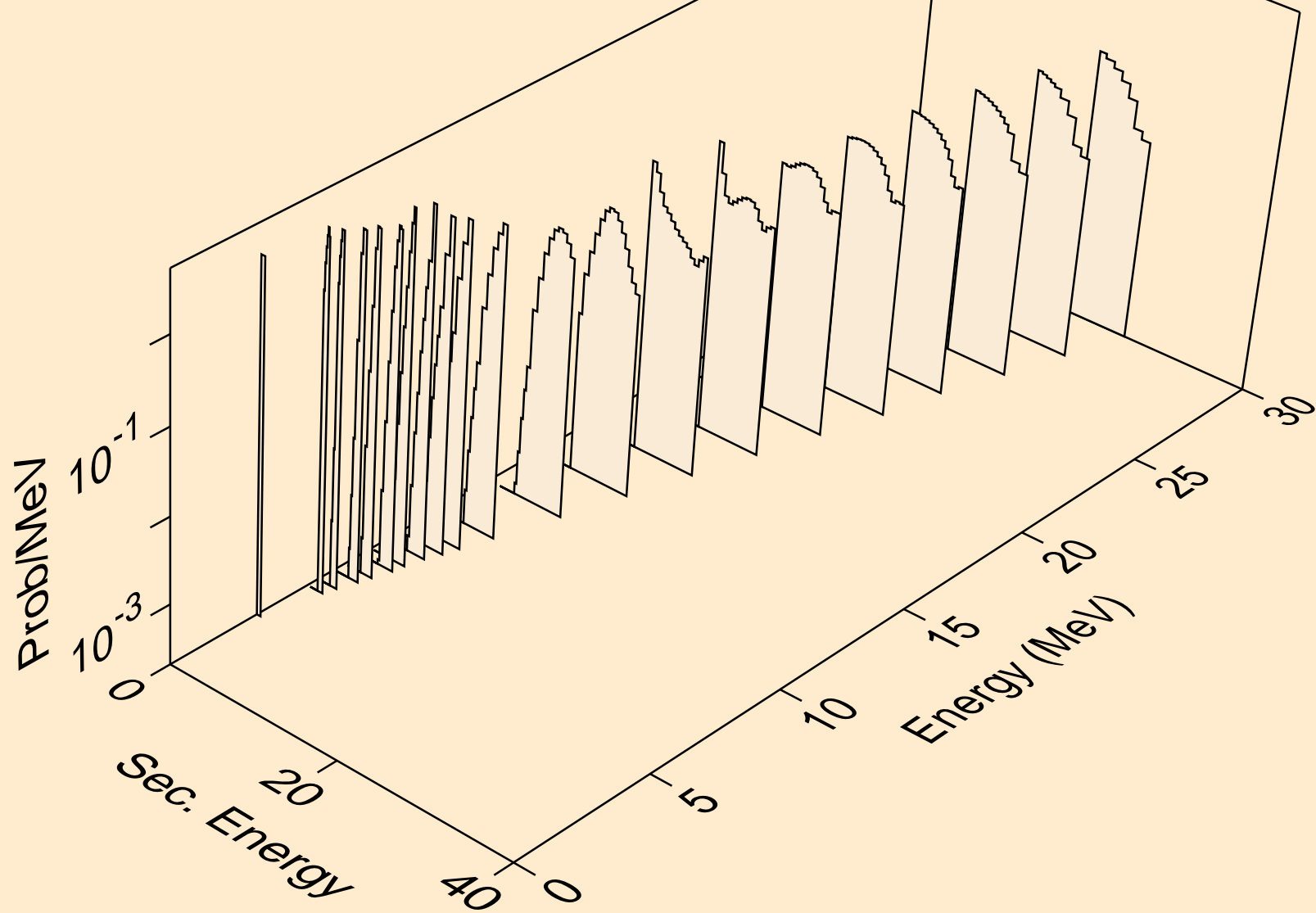




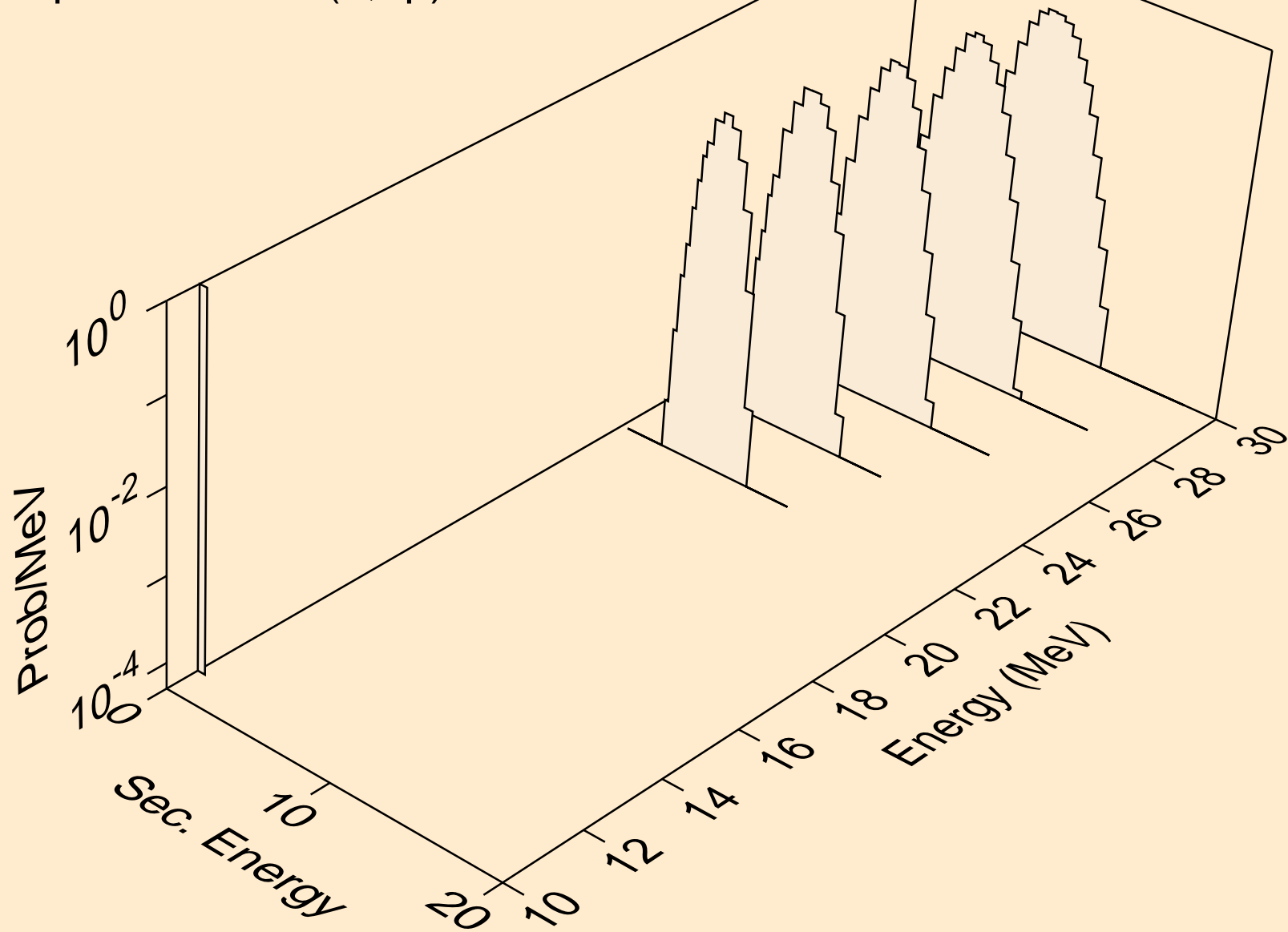
TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,2np)



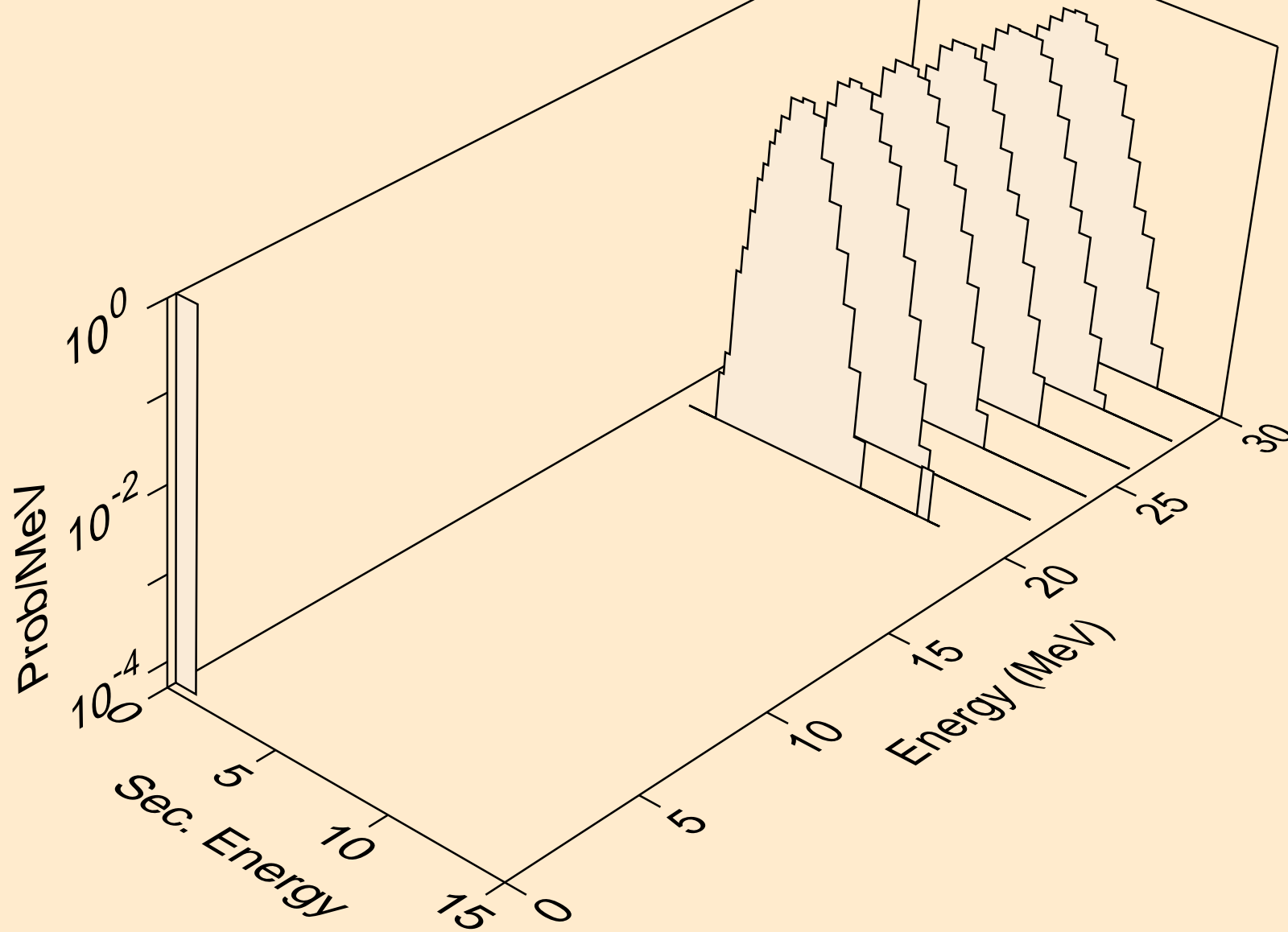
TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,p)



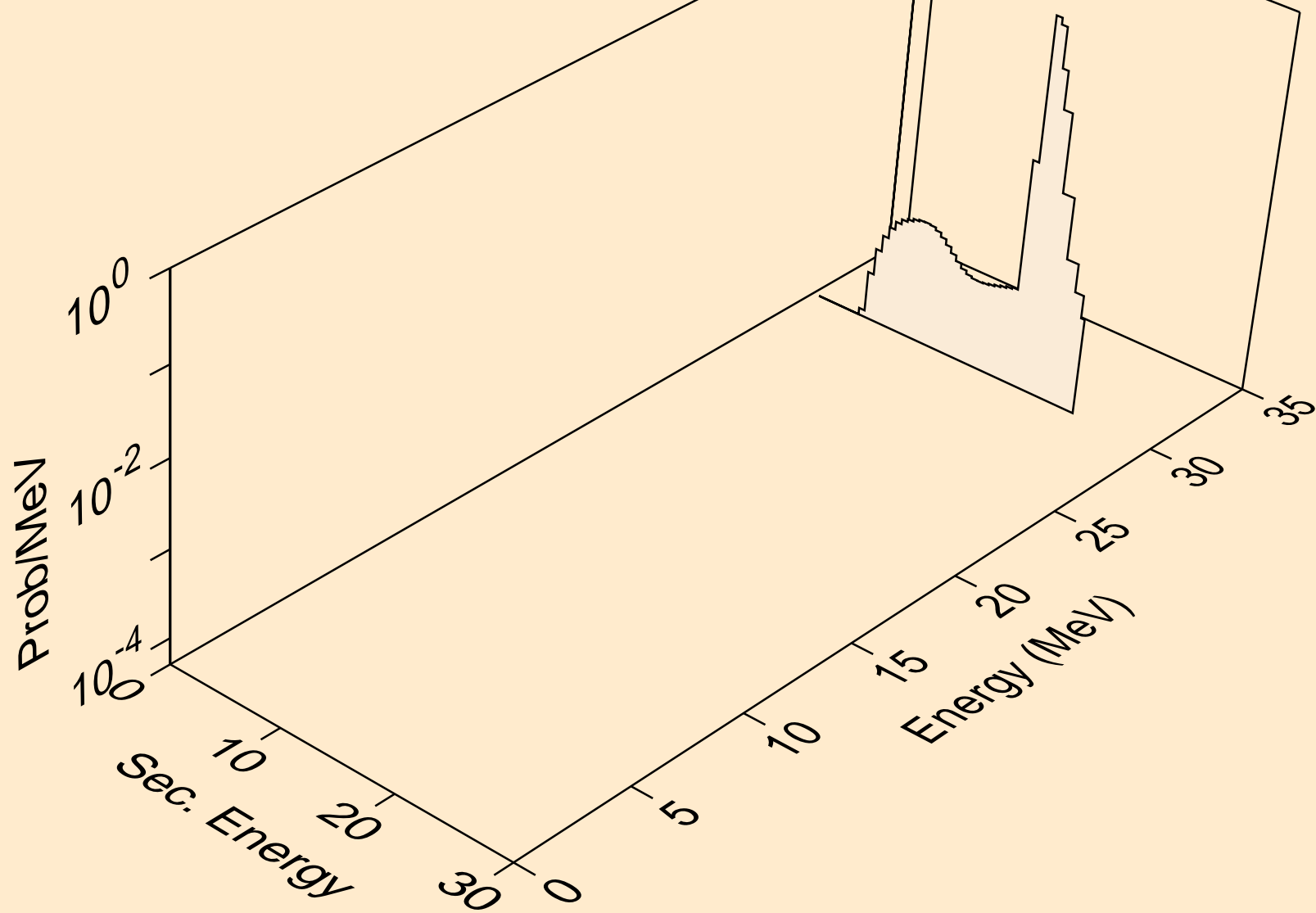
TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,2p)



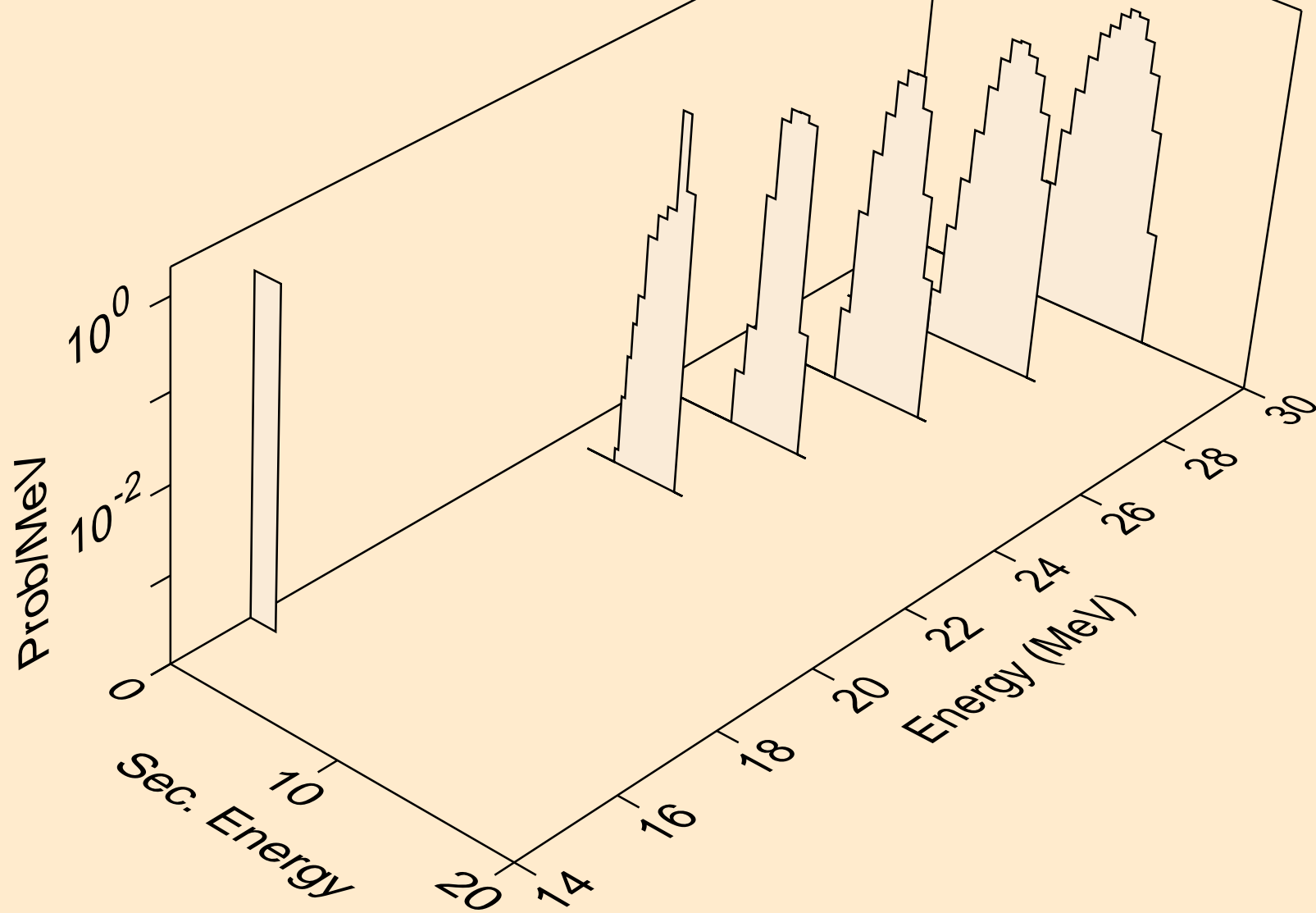
TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,p)



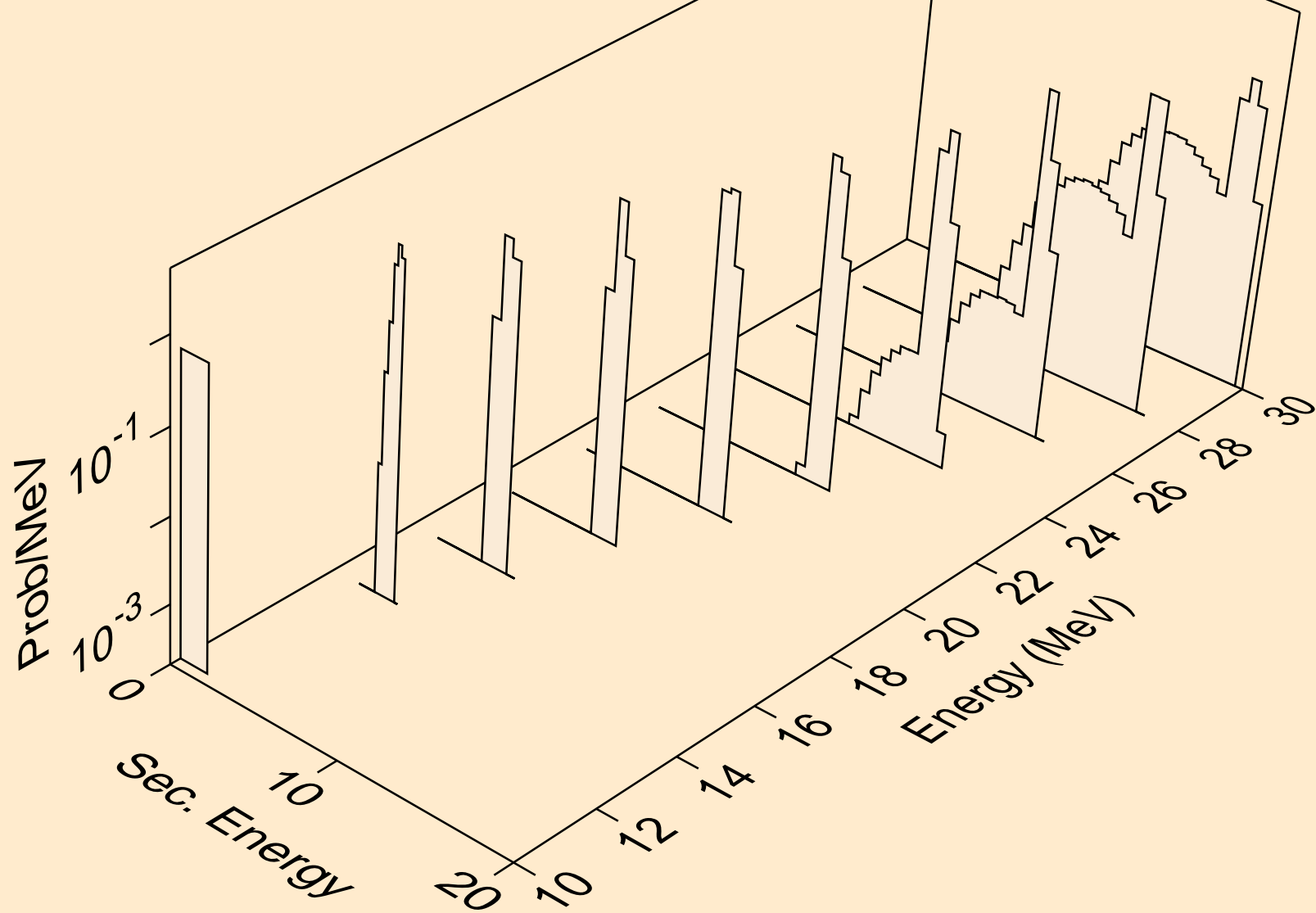
TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,x)



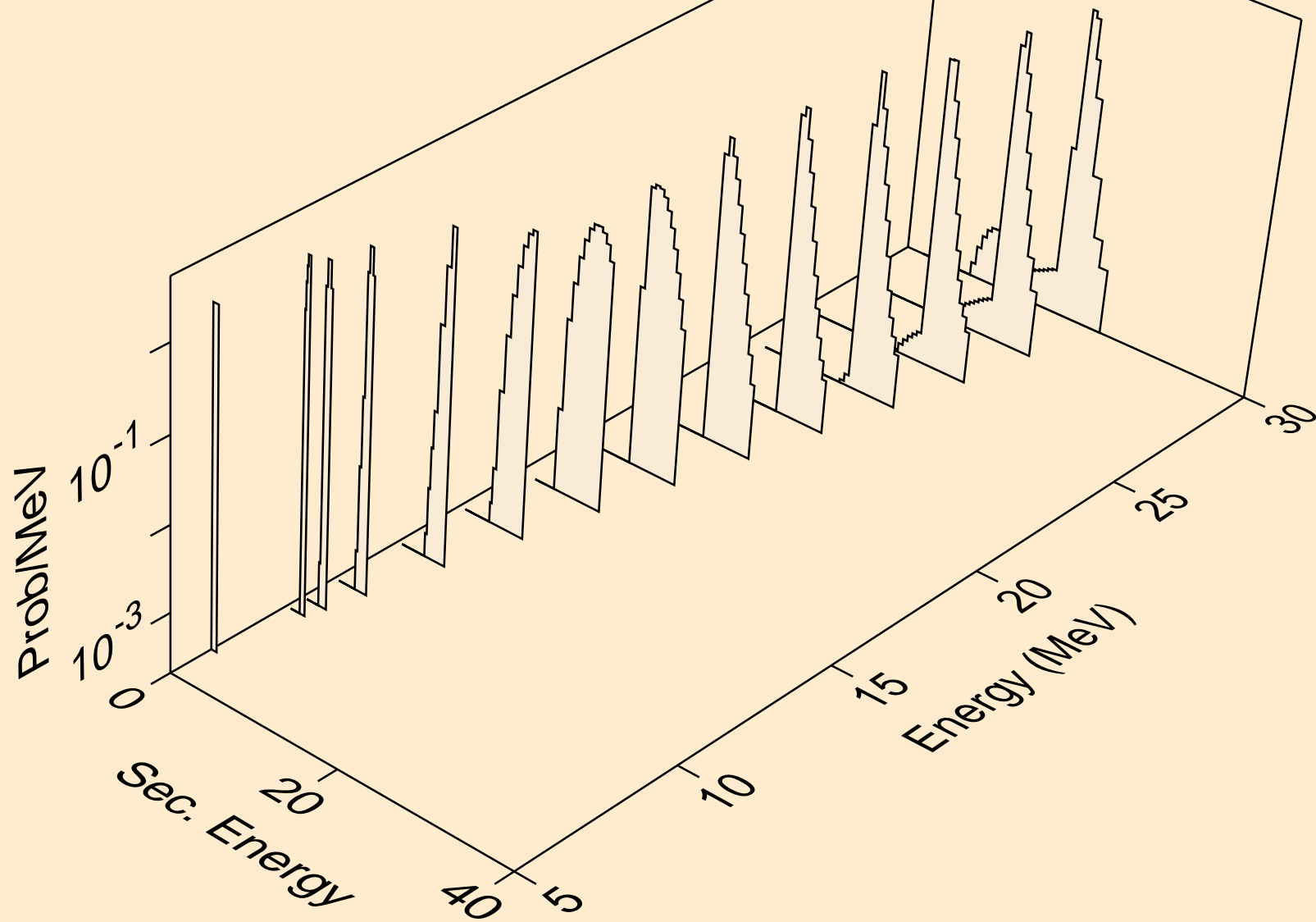
TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,2nd)



TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,n\*)d

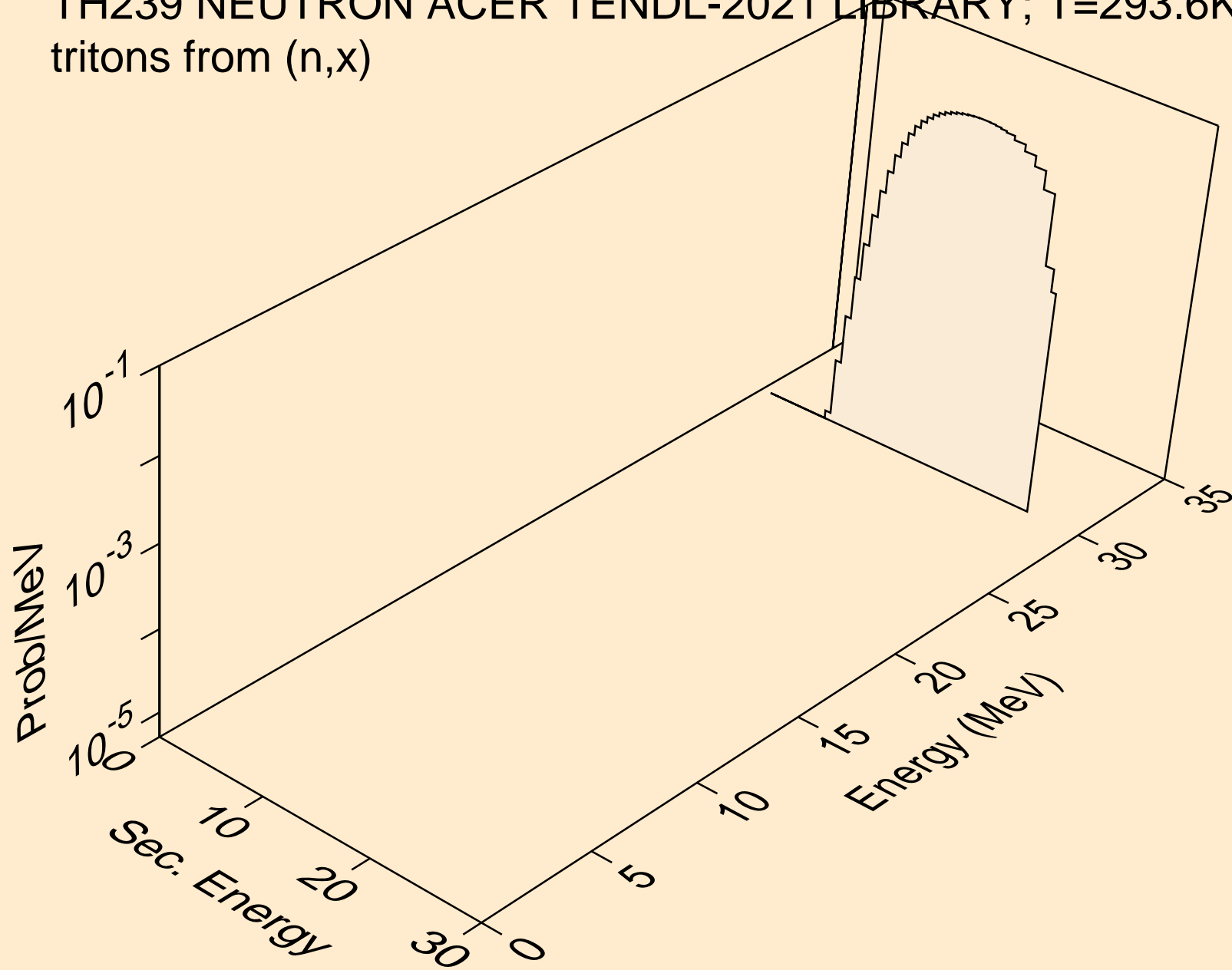


TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,d)

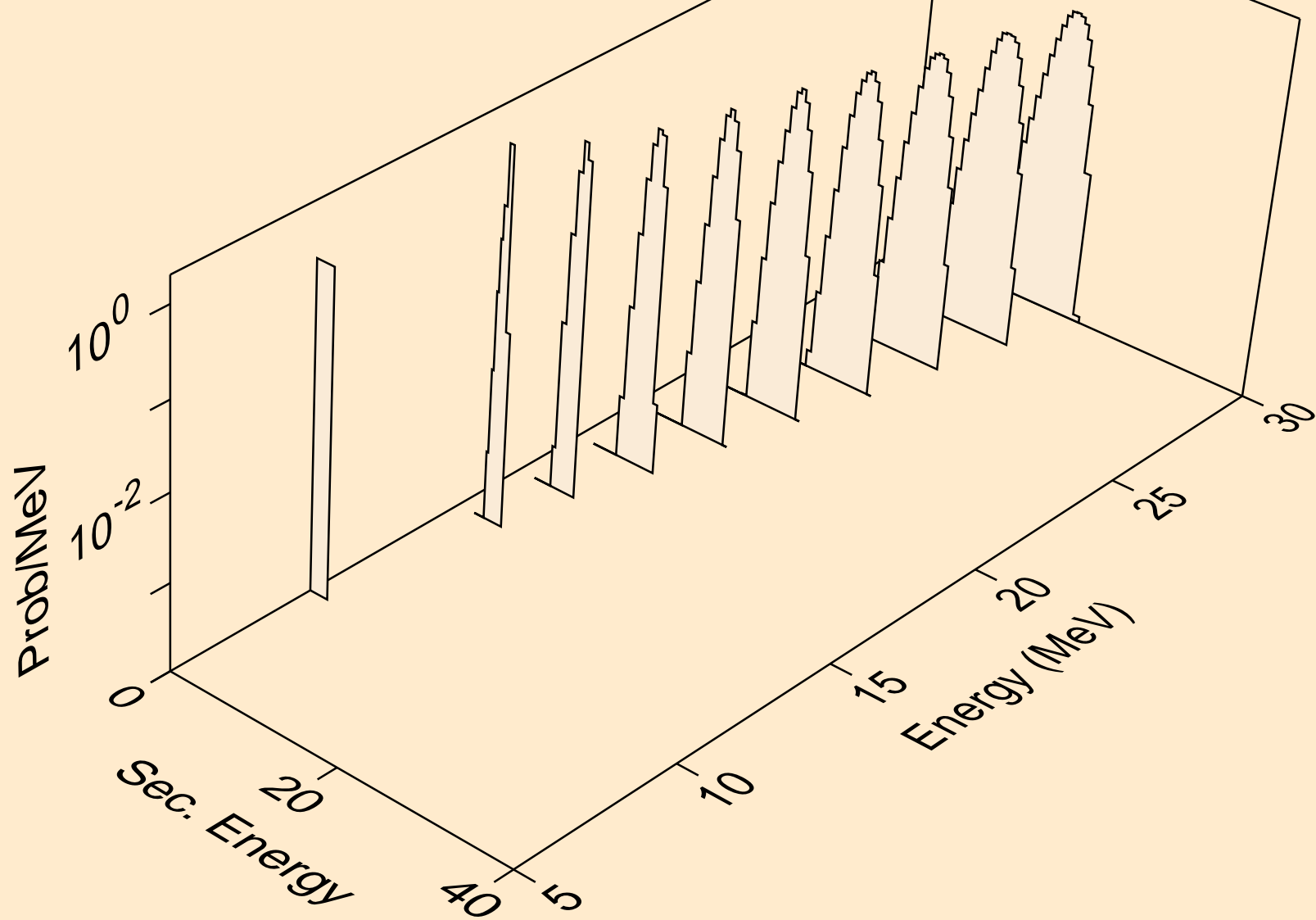




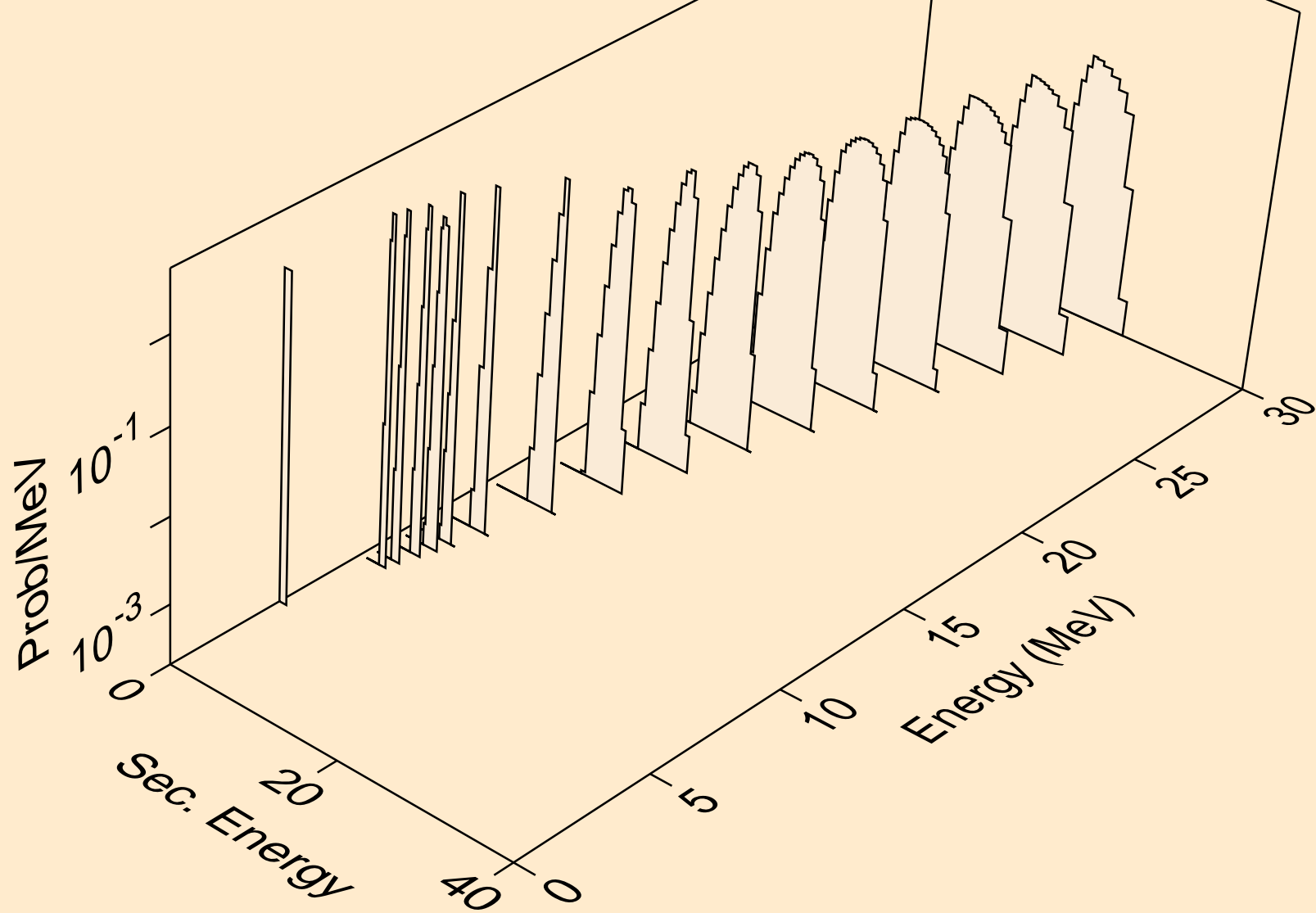
TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,x)



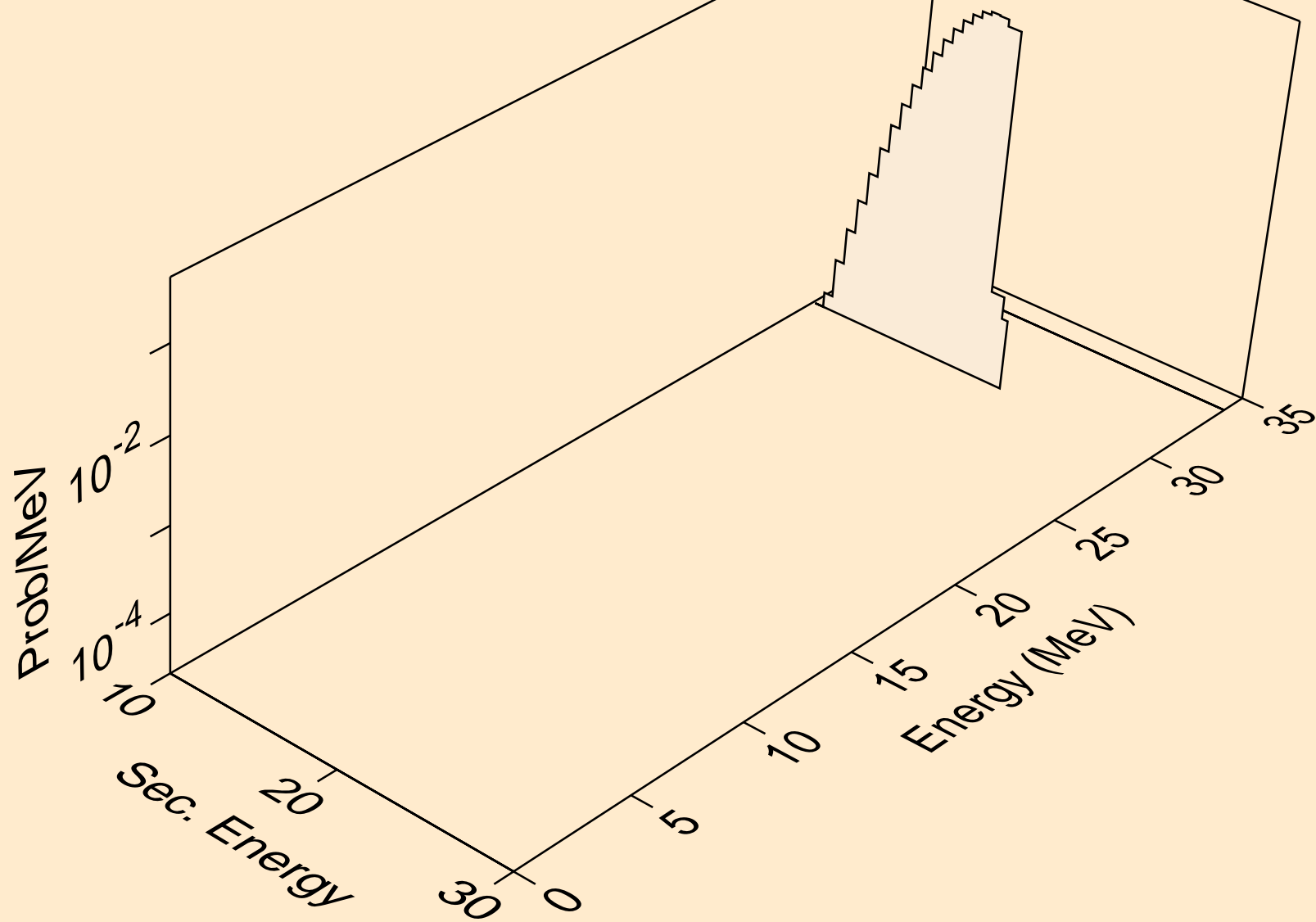
TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,n\*)t



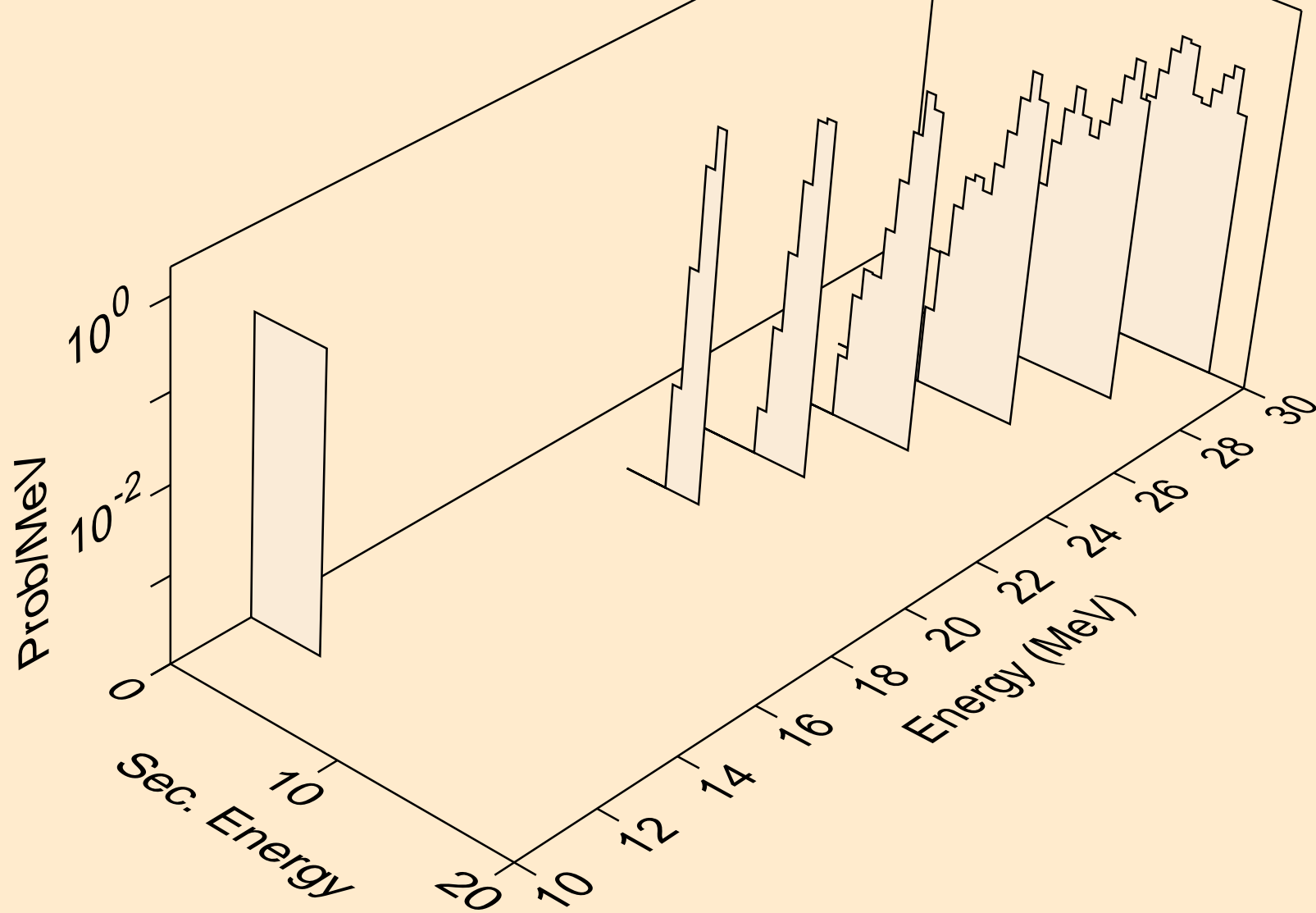
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tritons from (n,t)



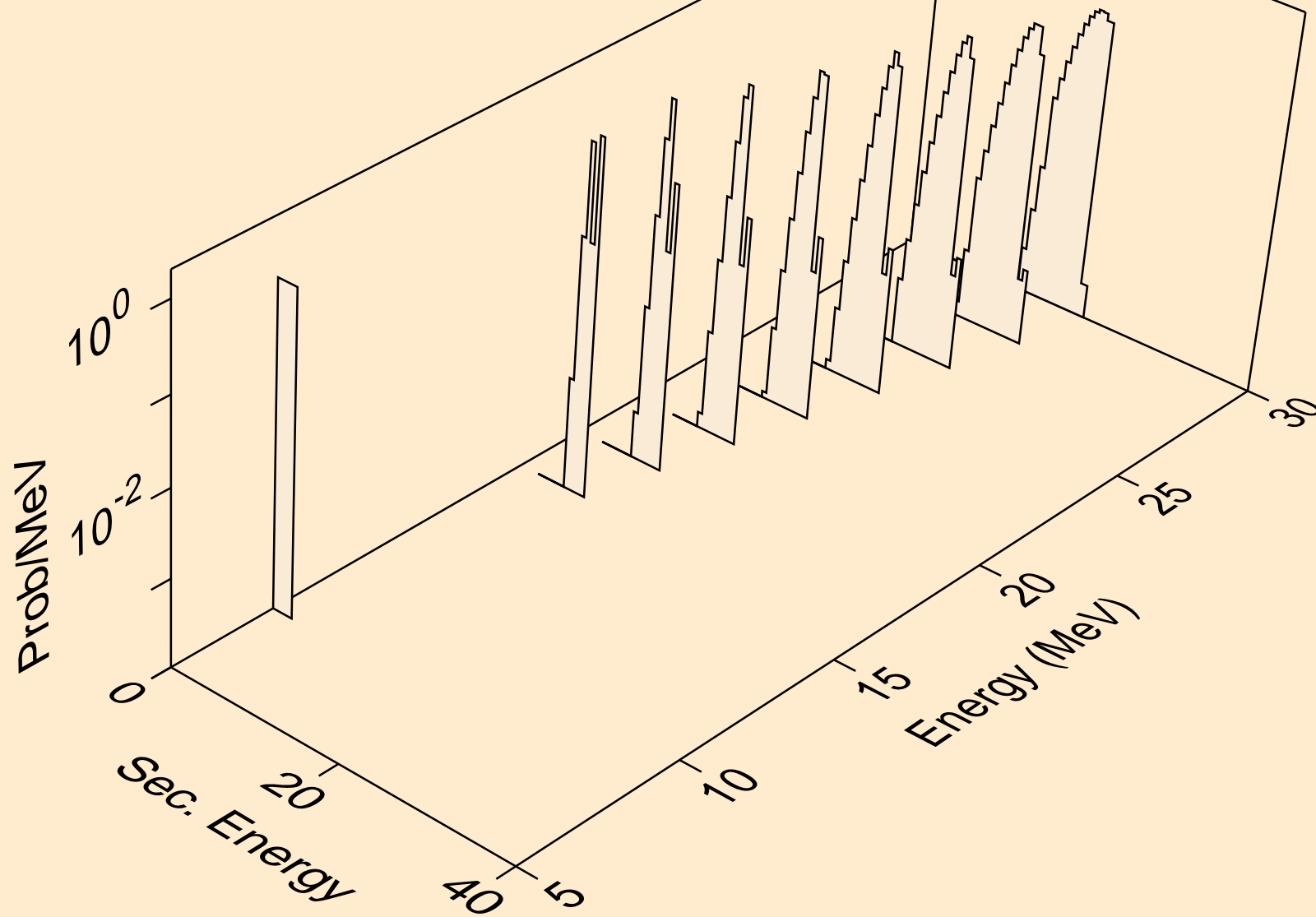
TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
he3s from (n,x)



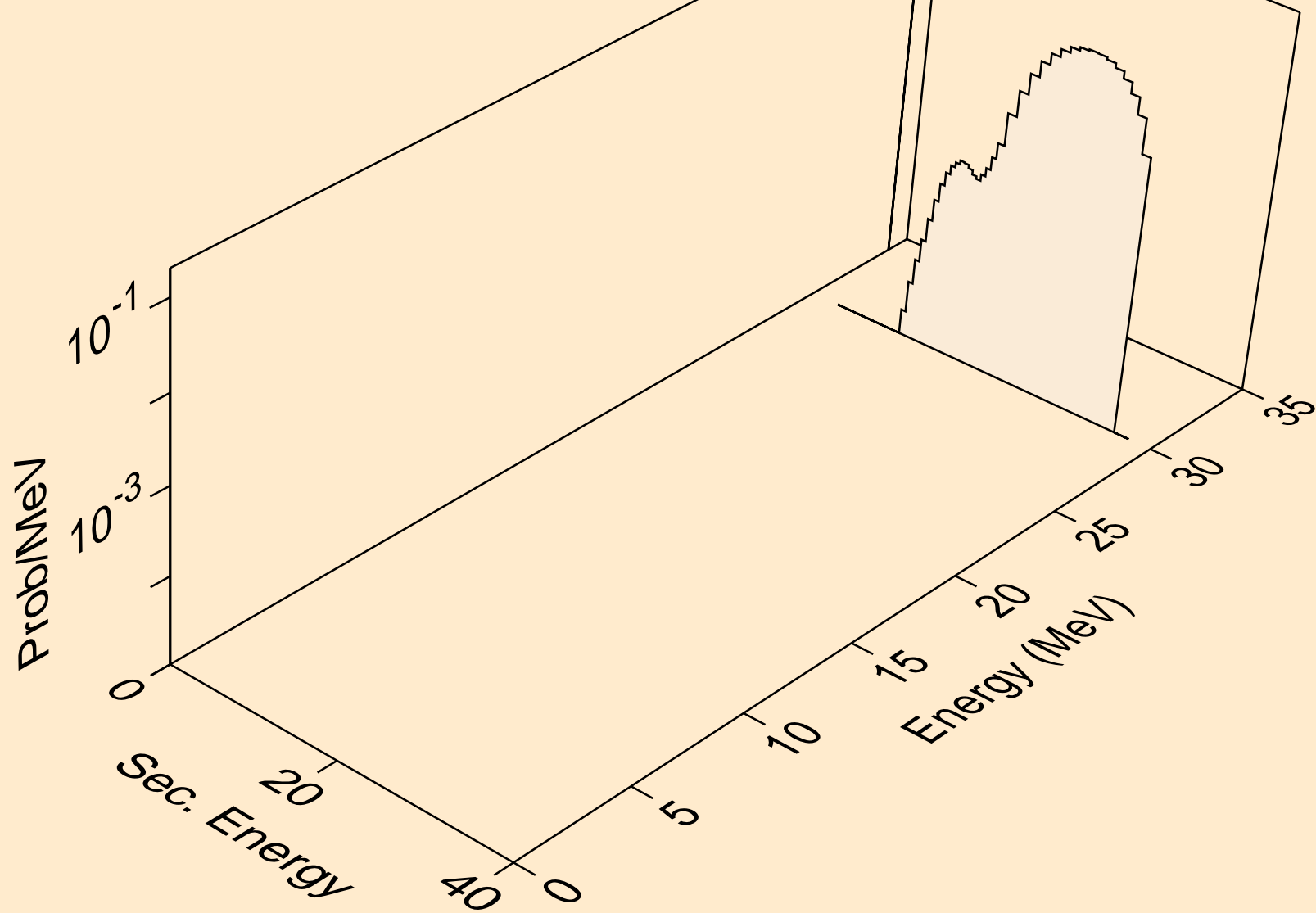
TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
he3s from (n,n\*)he3



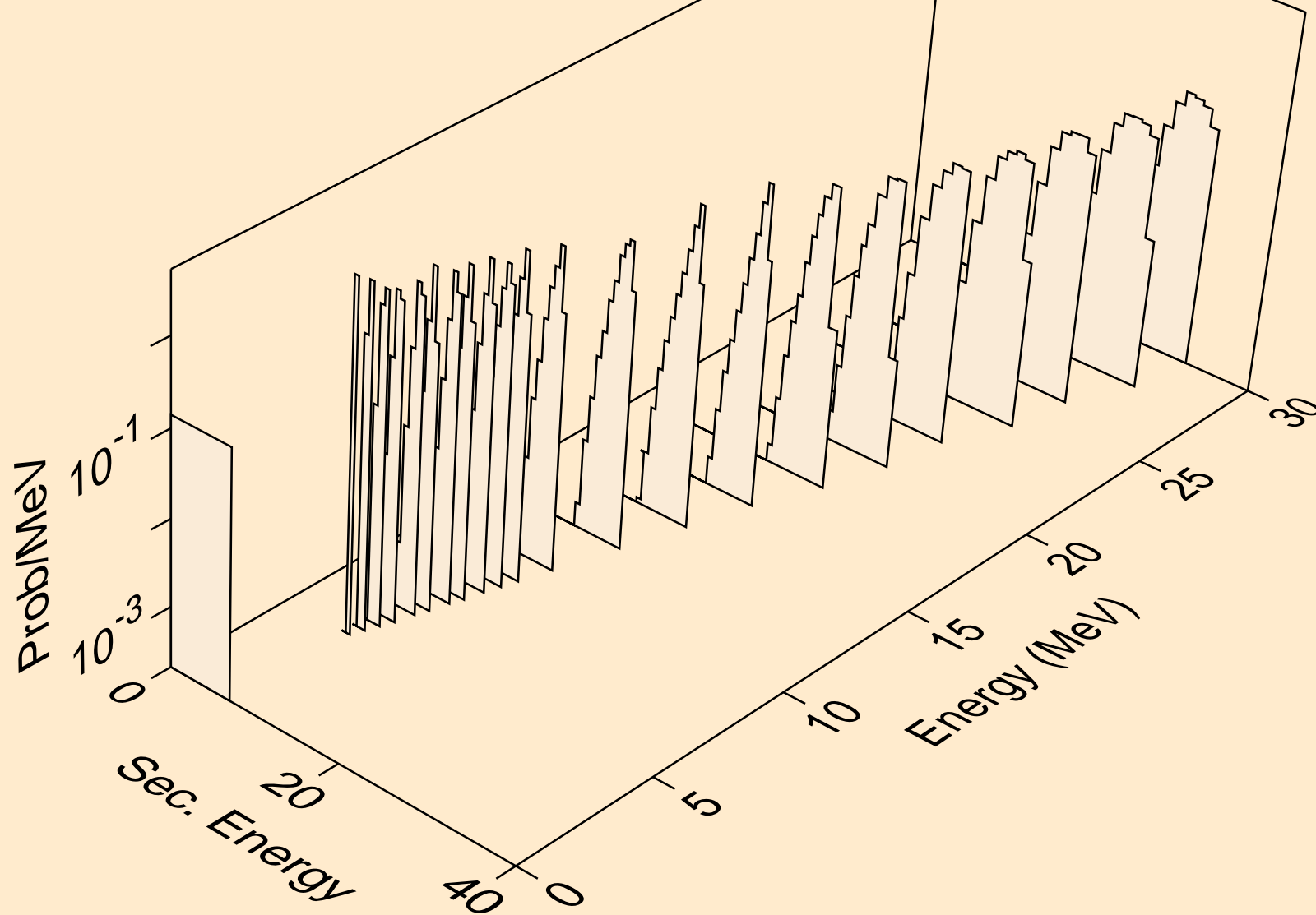
TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
he3s from (n,he3)



TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,x)

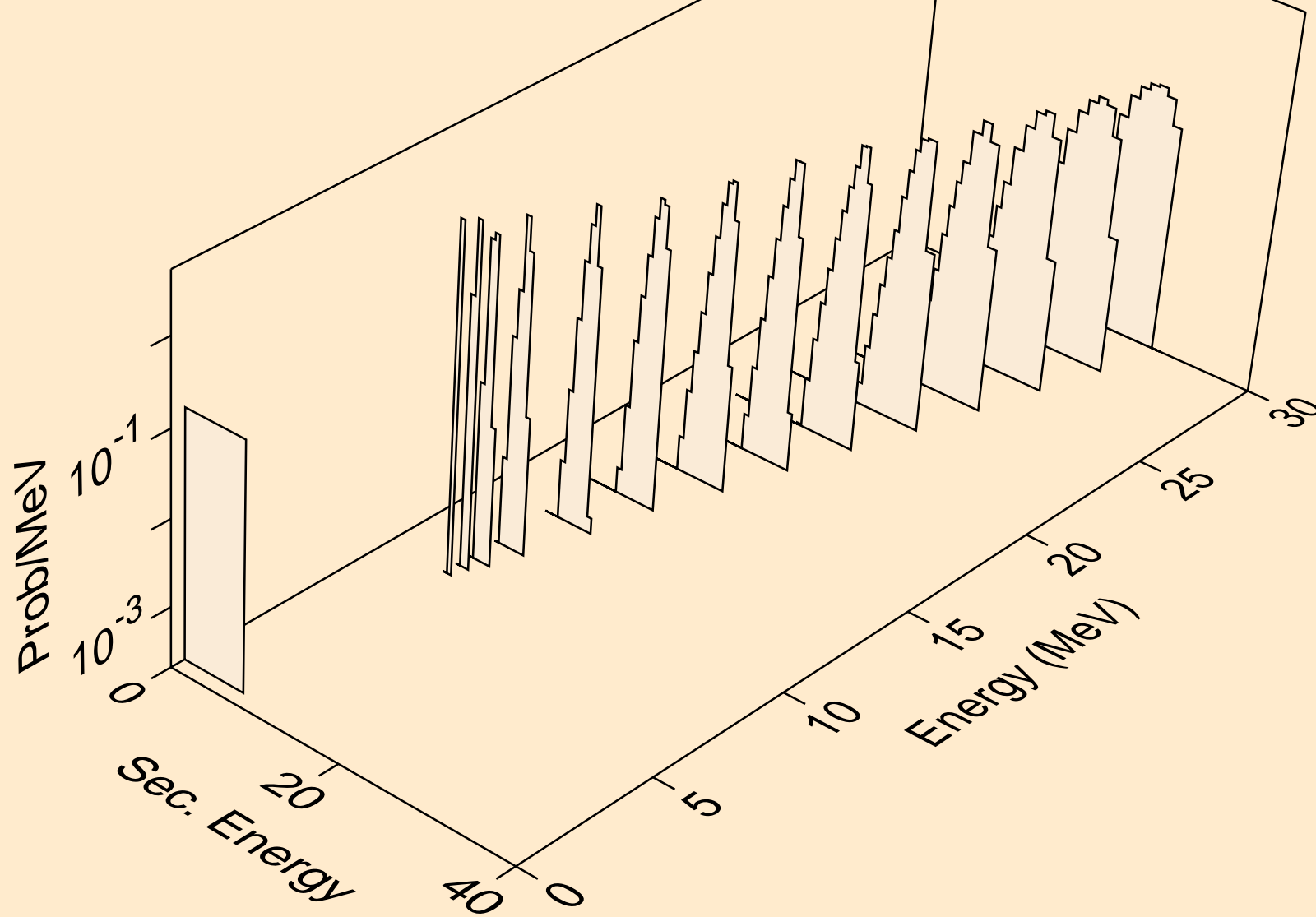


TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,n\*)a

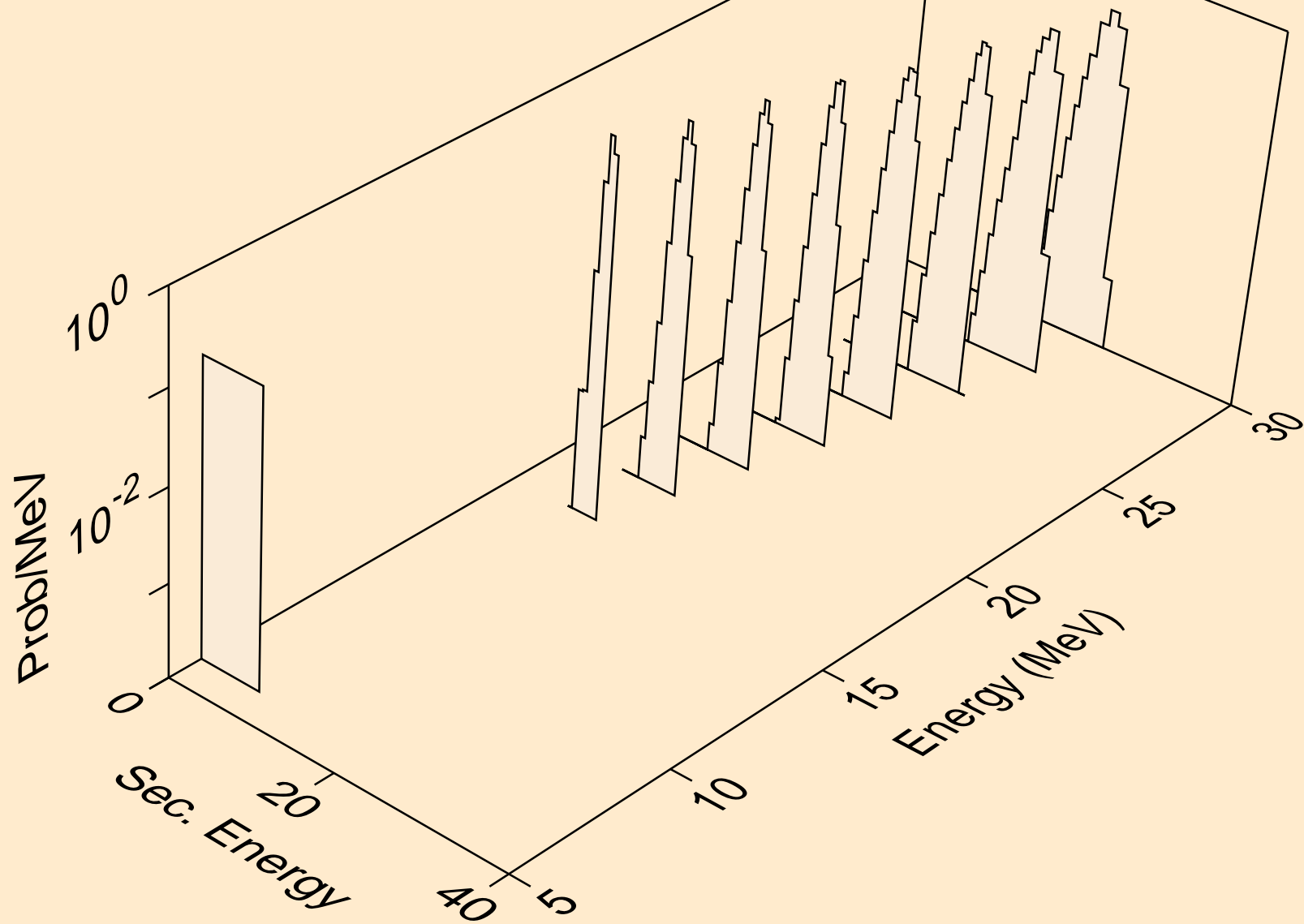




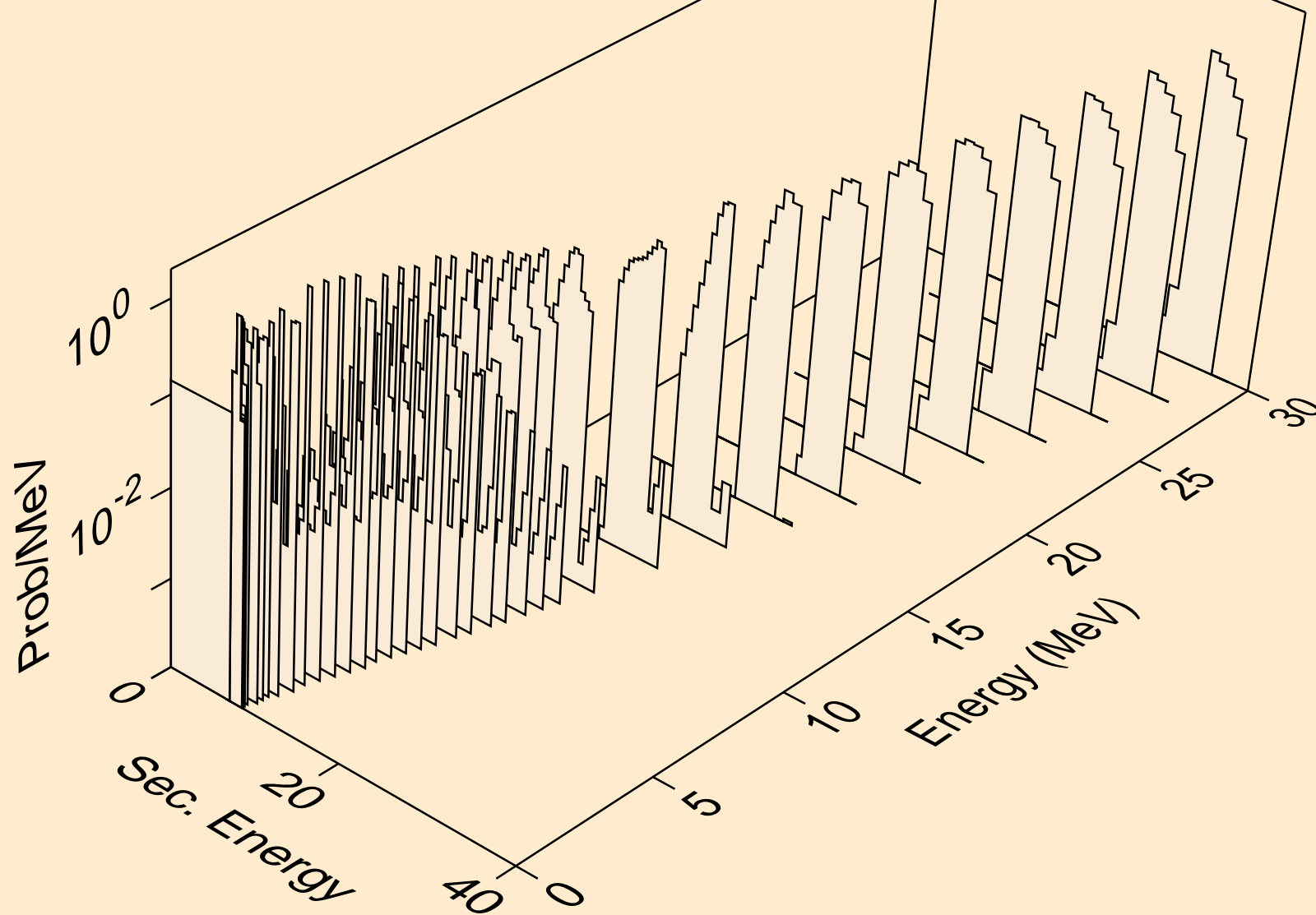
TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2n)a



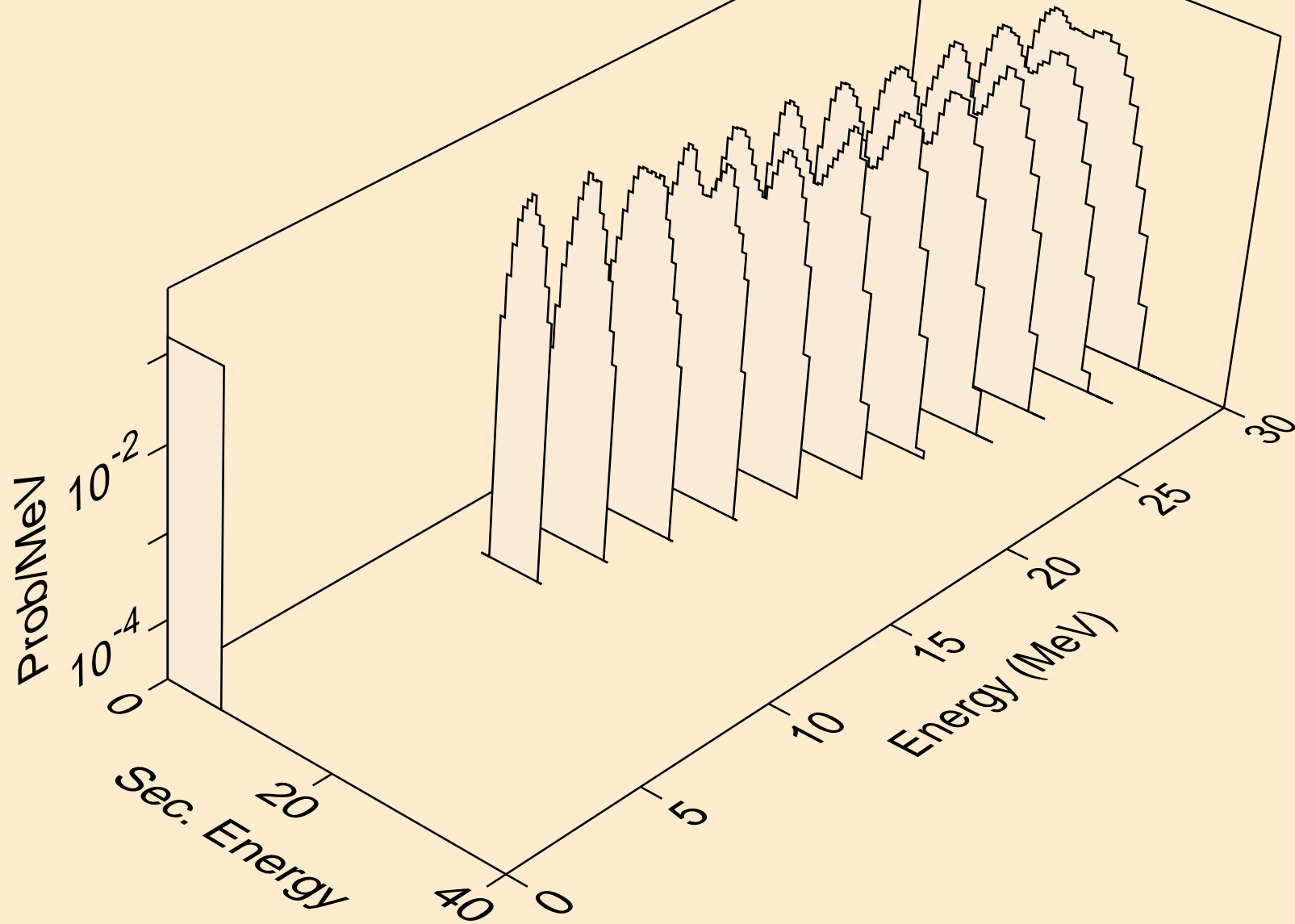
TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,3n)a



TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,a)



TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2a)



TH239 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,pa)

