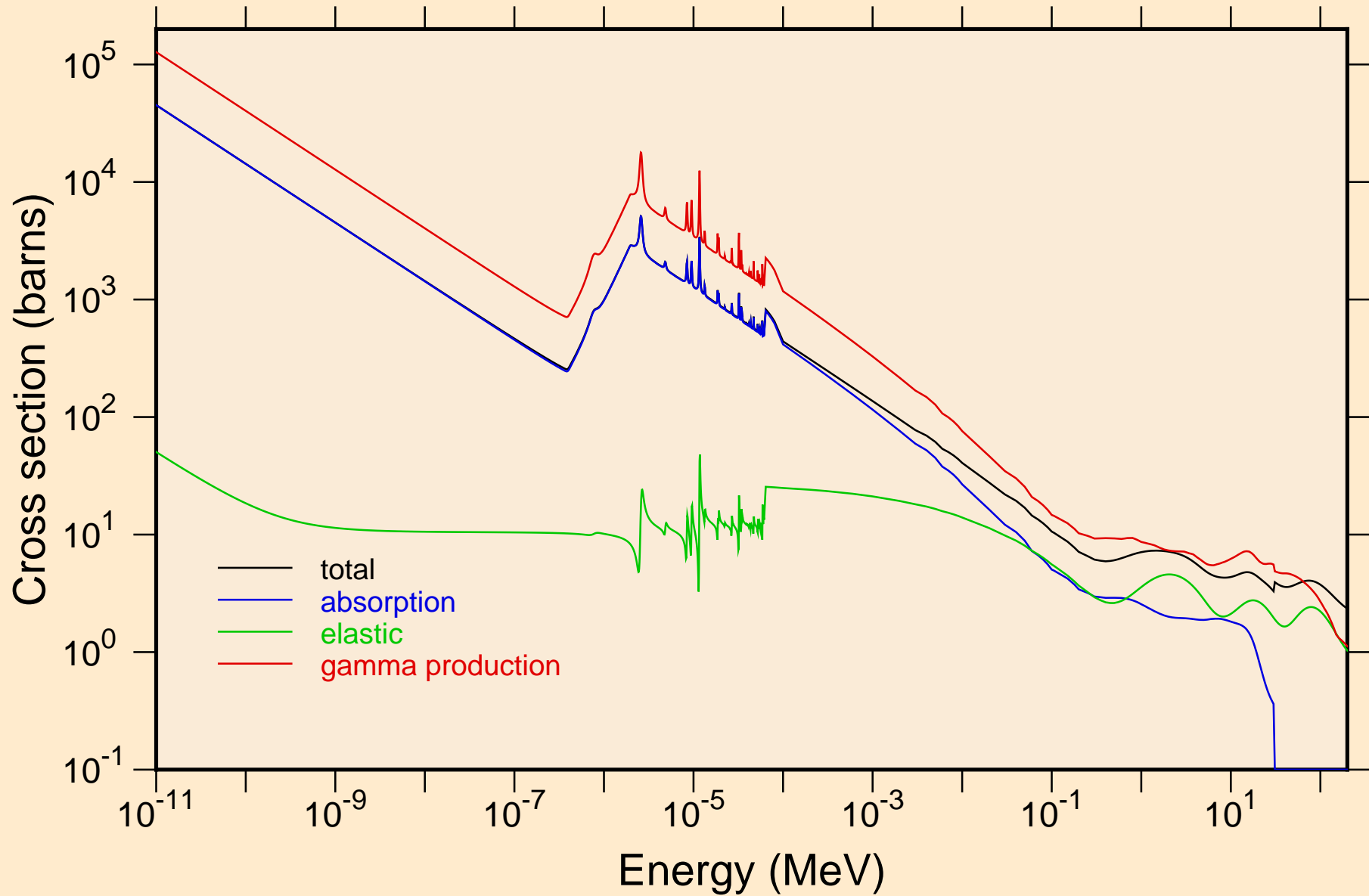
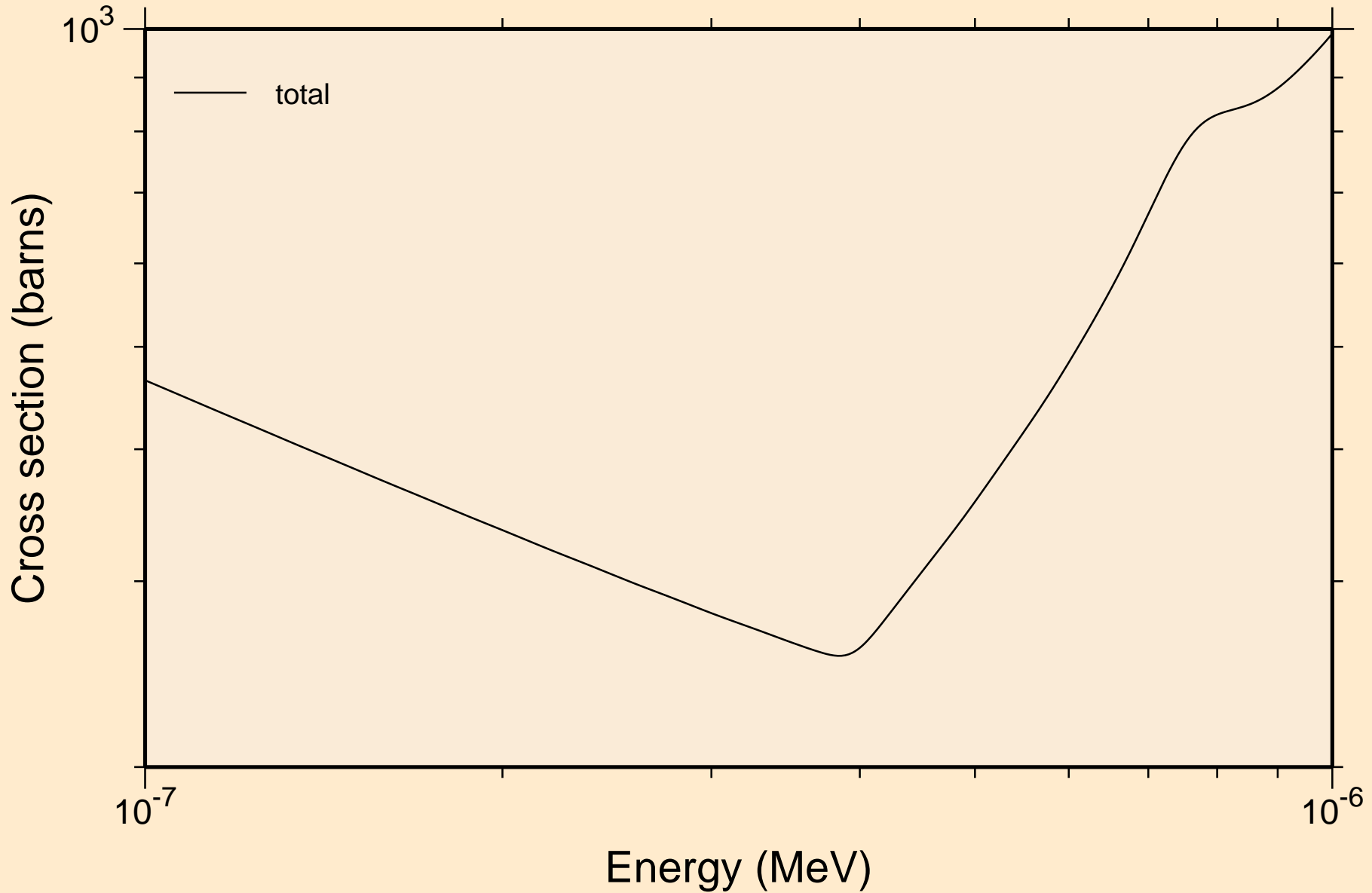


# ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

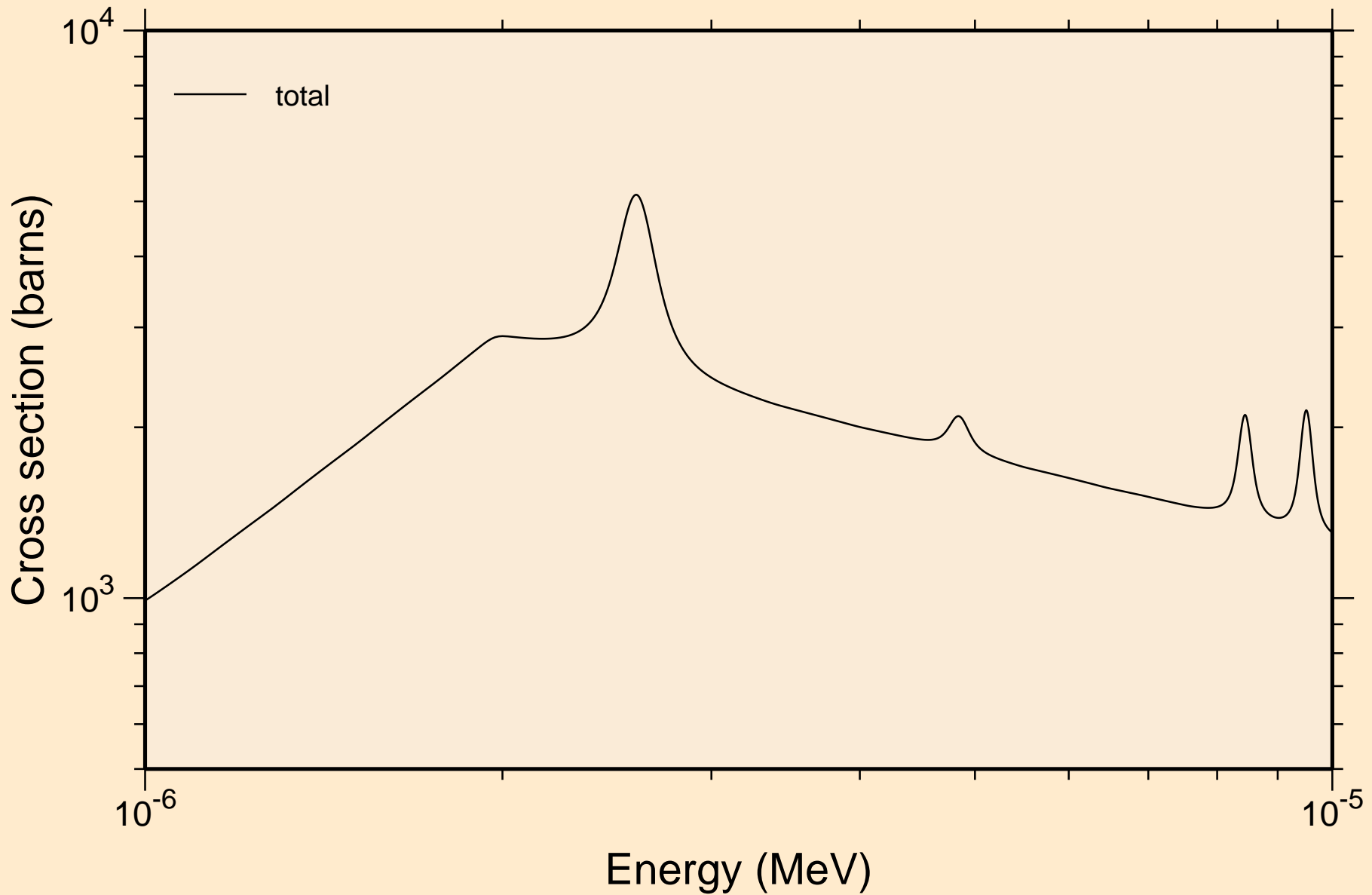
## Principal cross sections



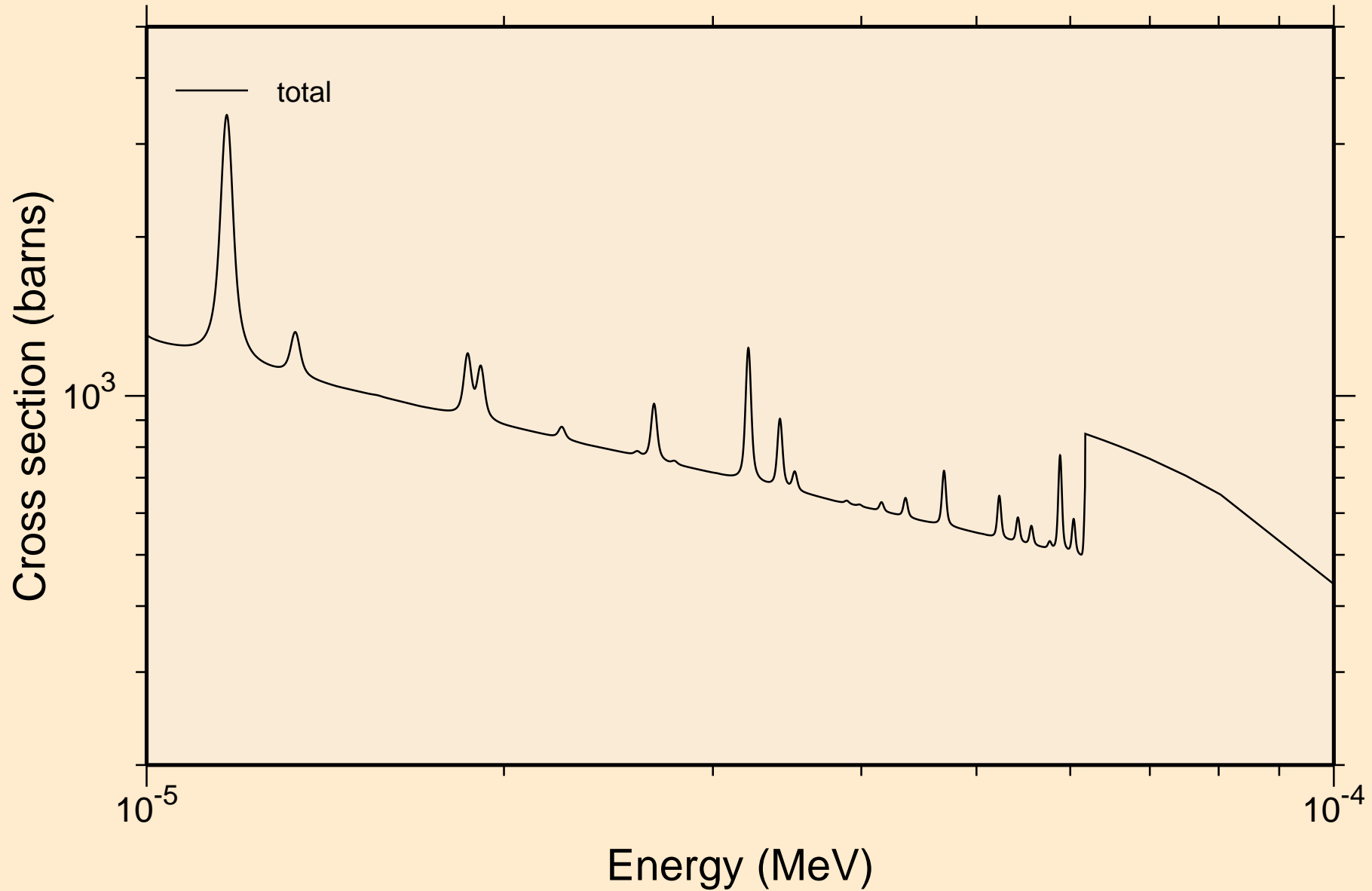
ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



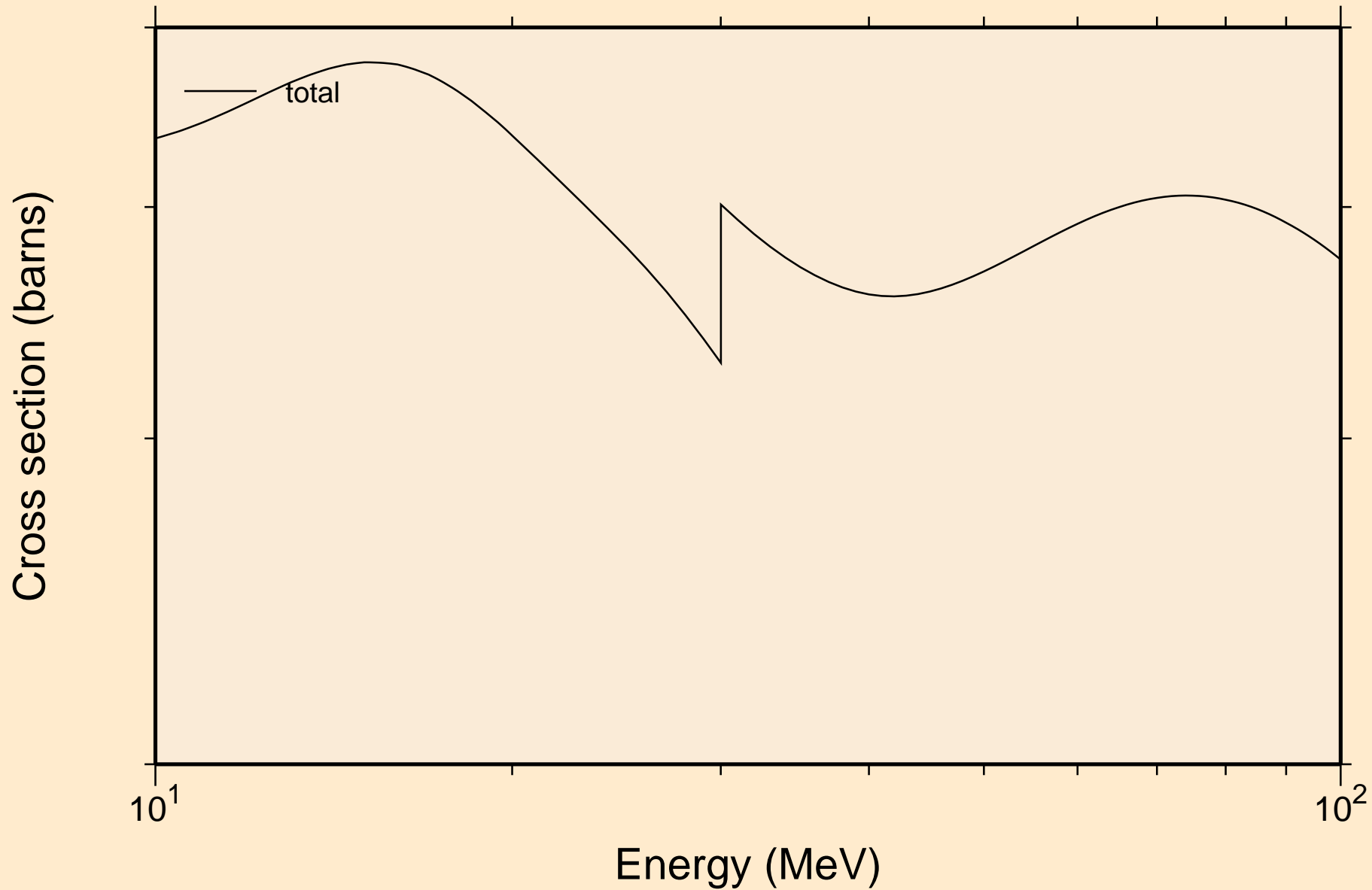
ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



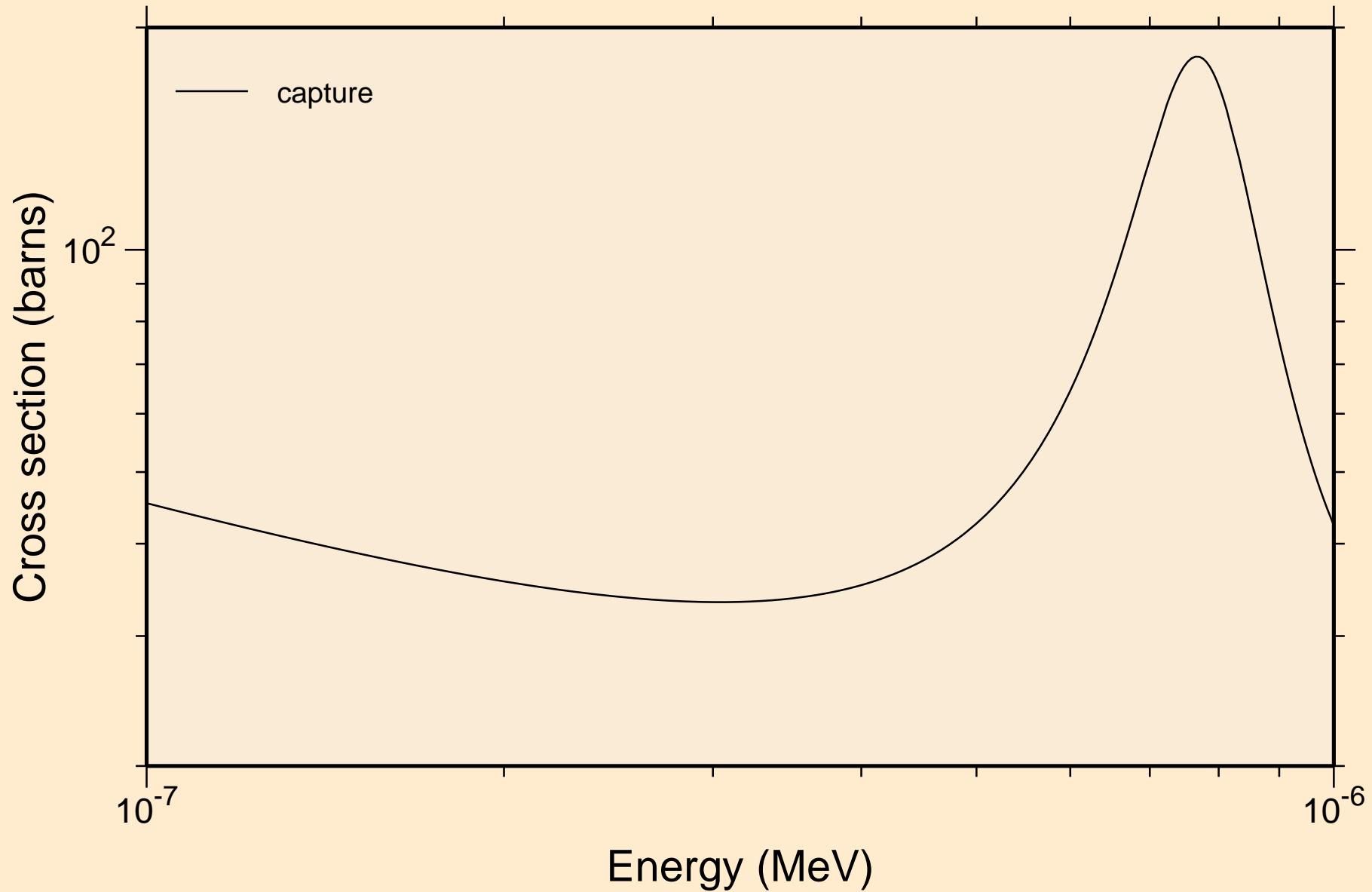
ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



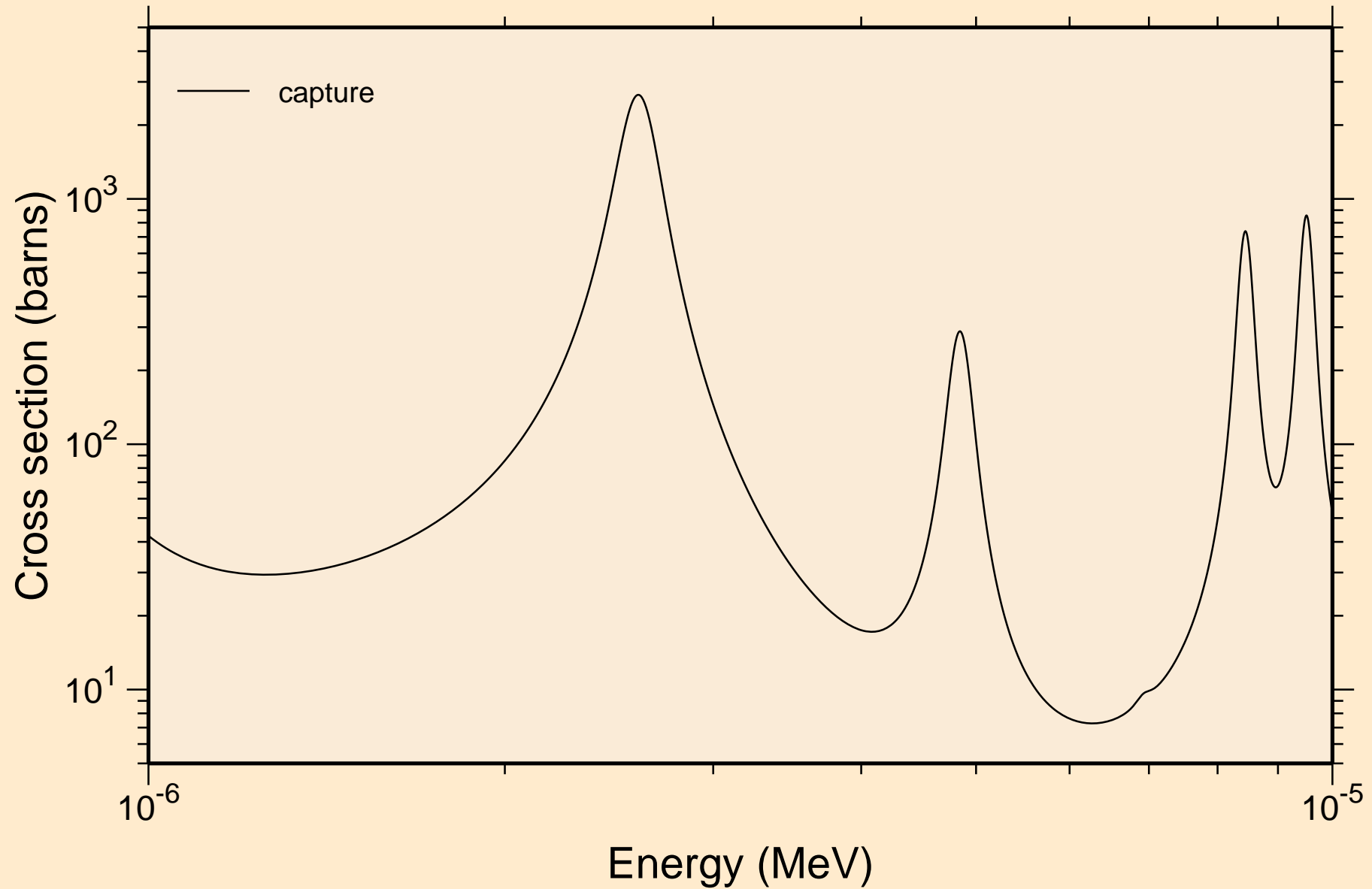
ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



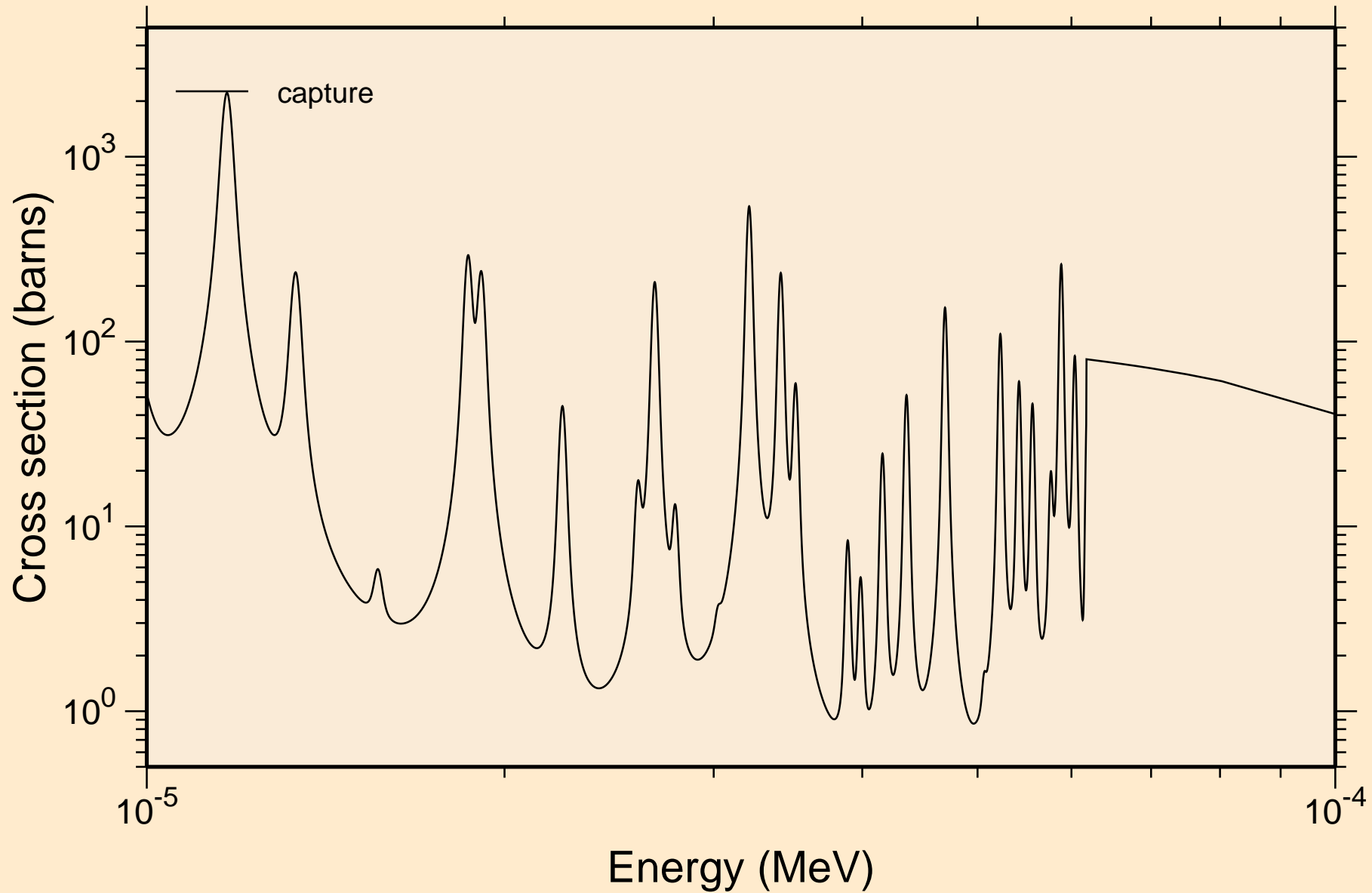
ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections

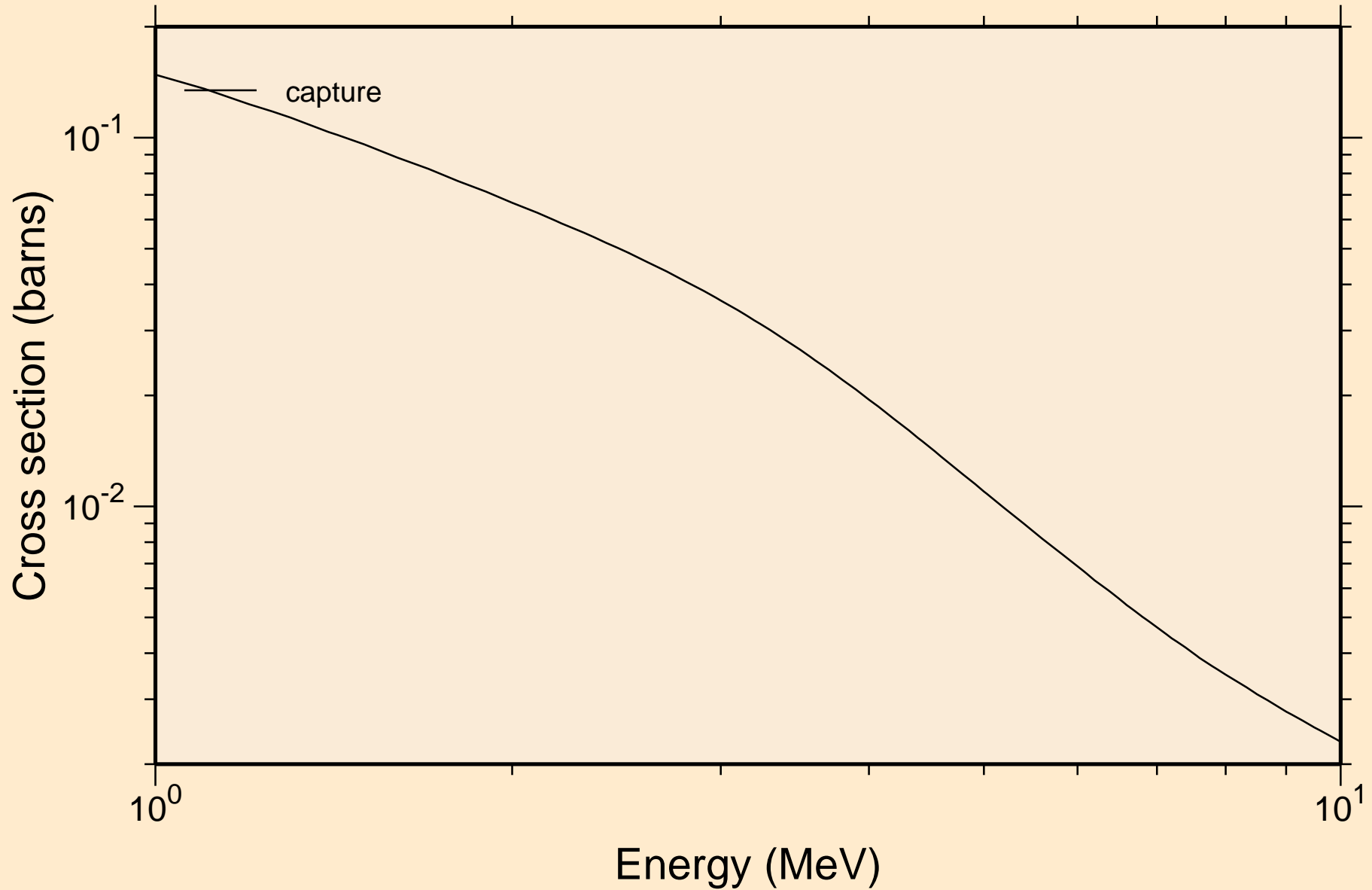


ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections

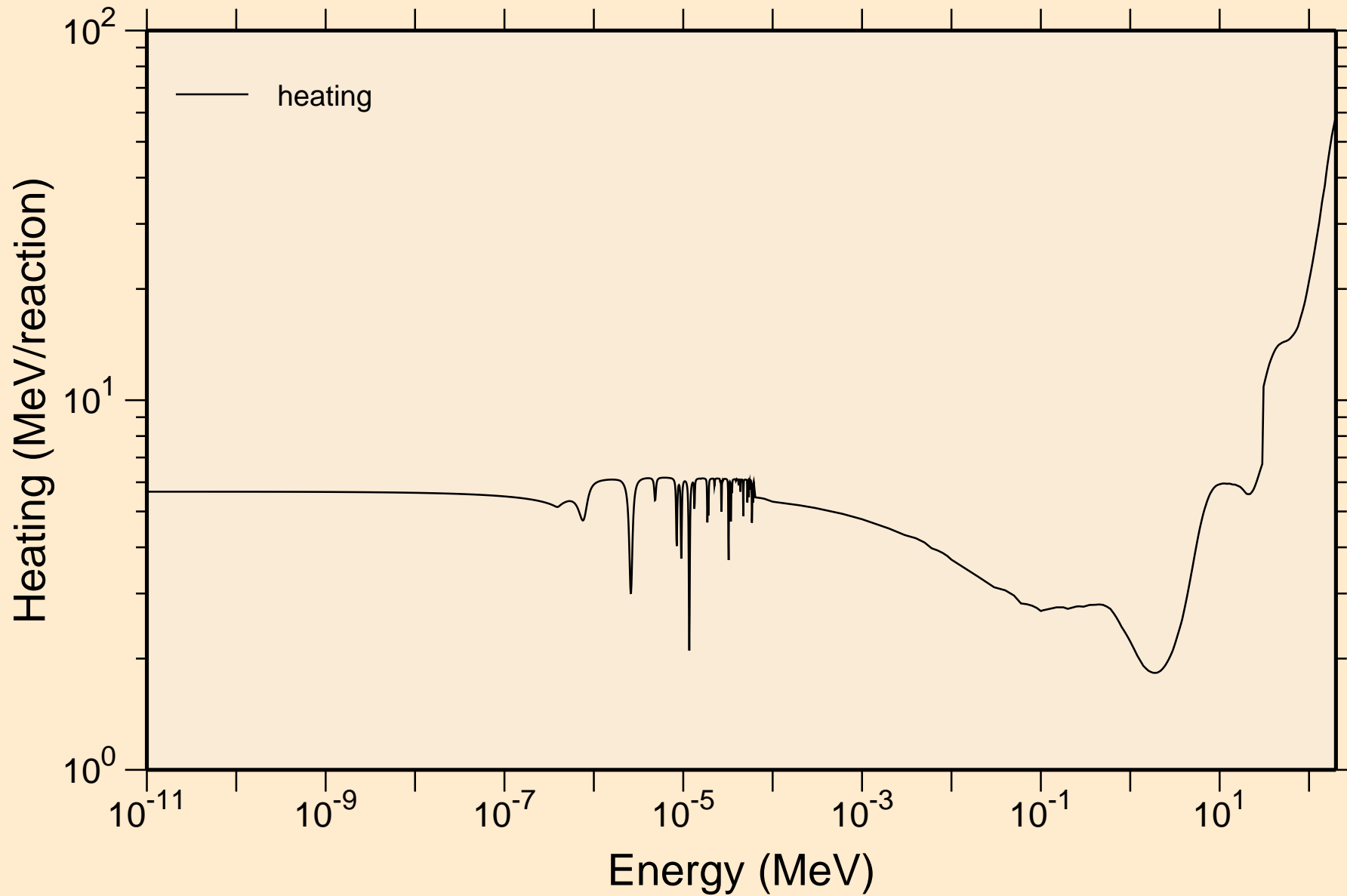




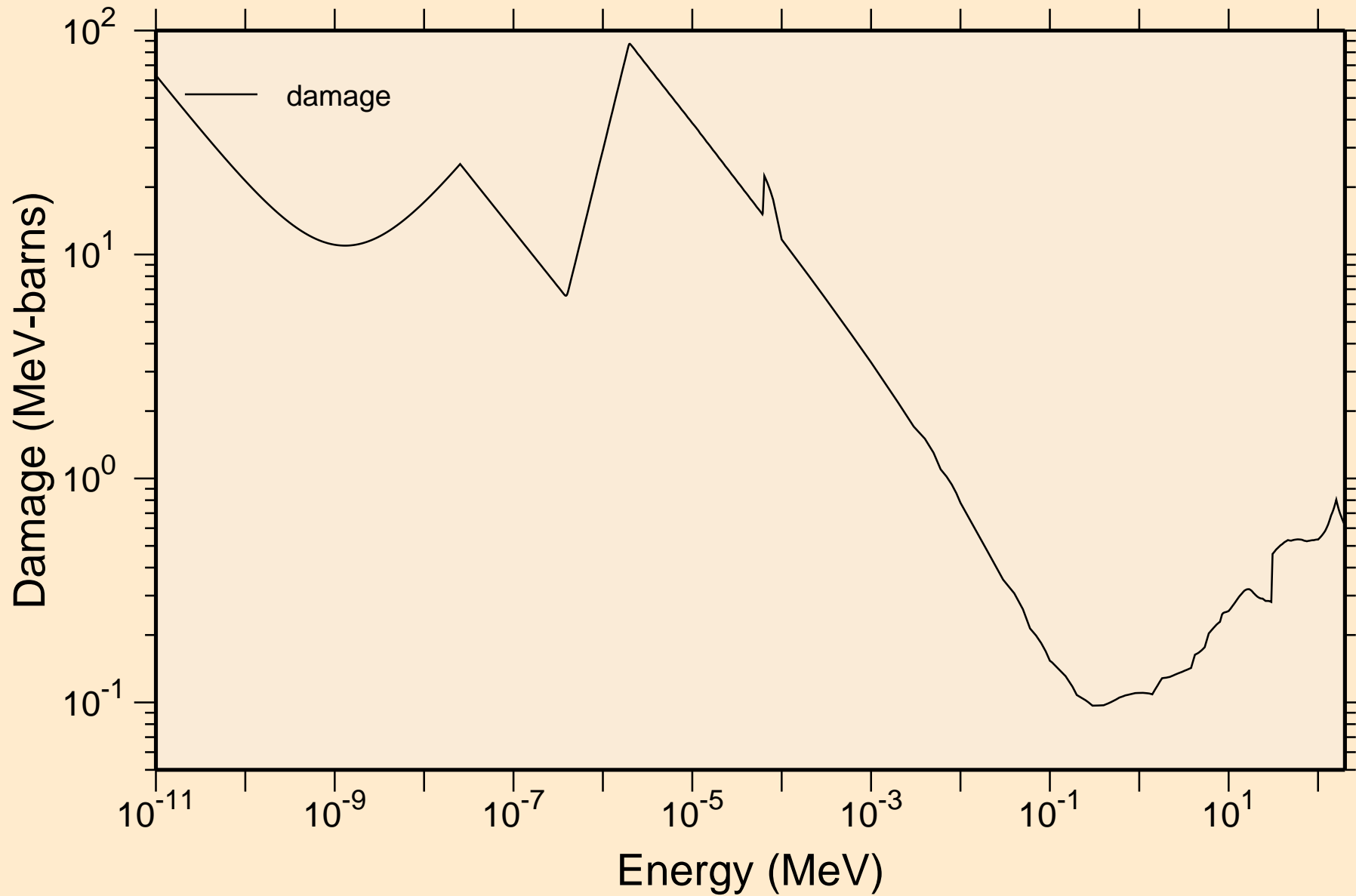
ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



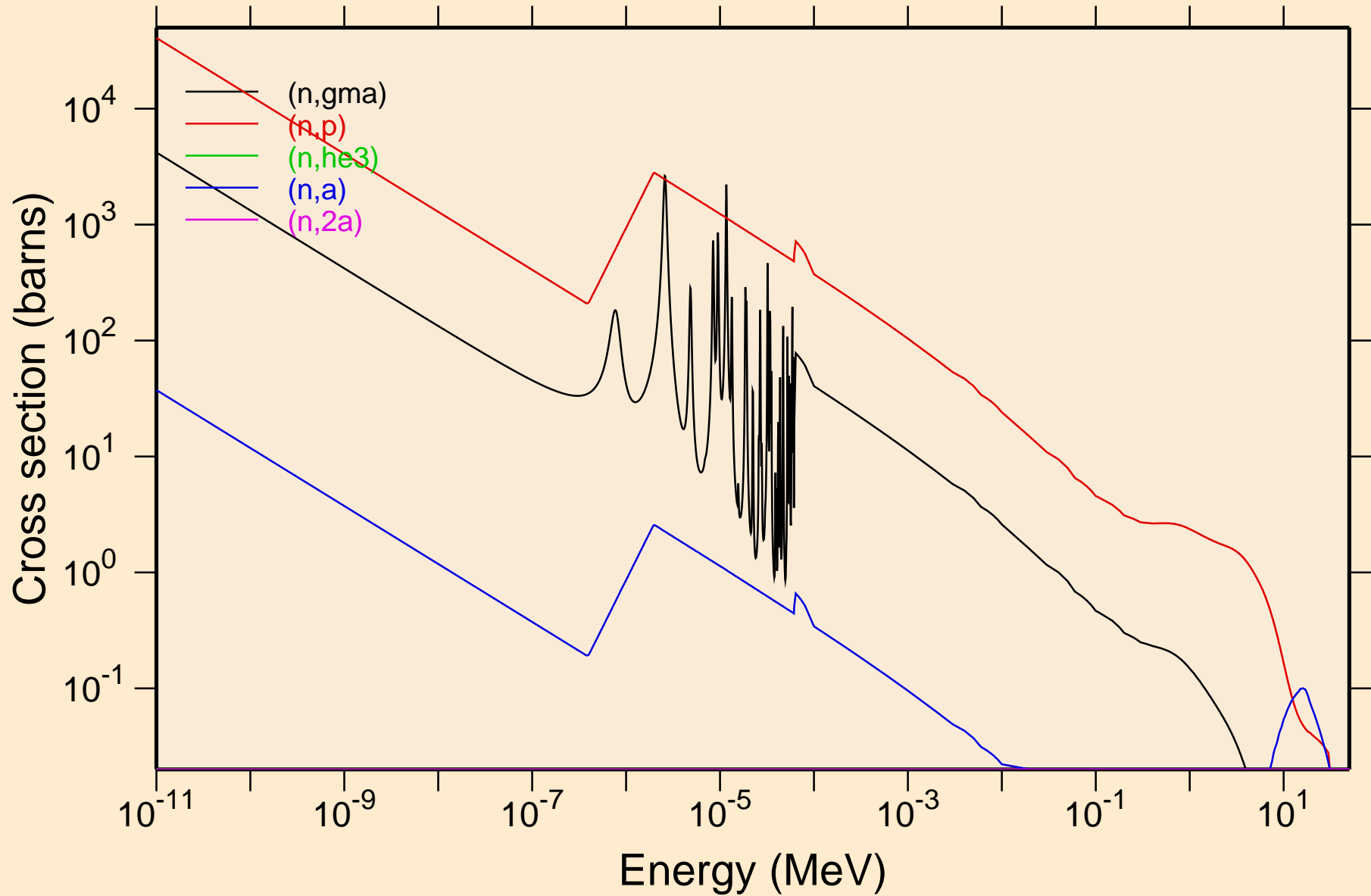
ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Heating



ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Damage

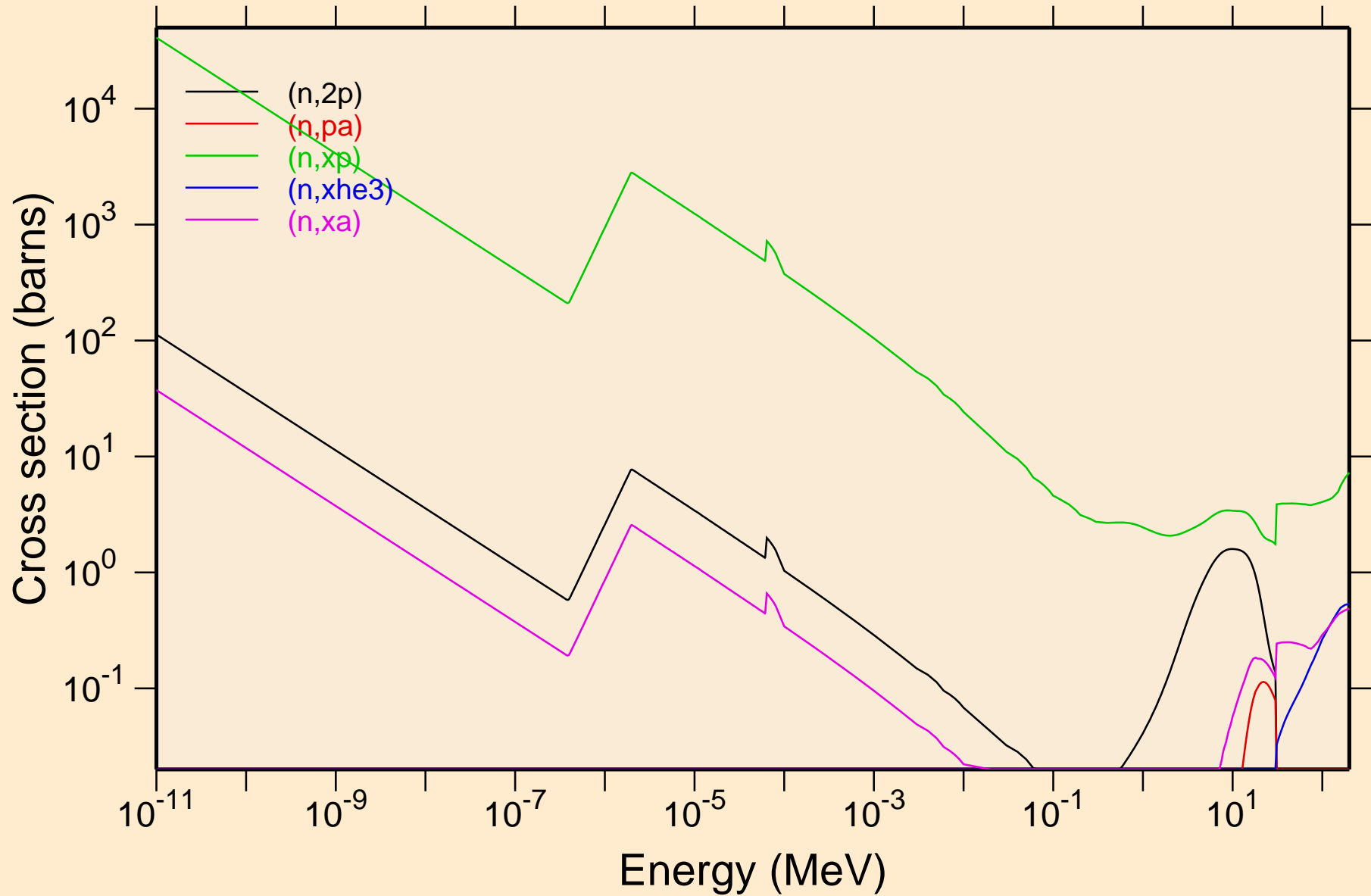


ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions

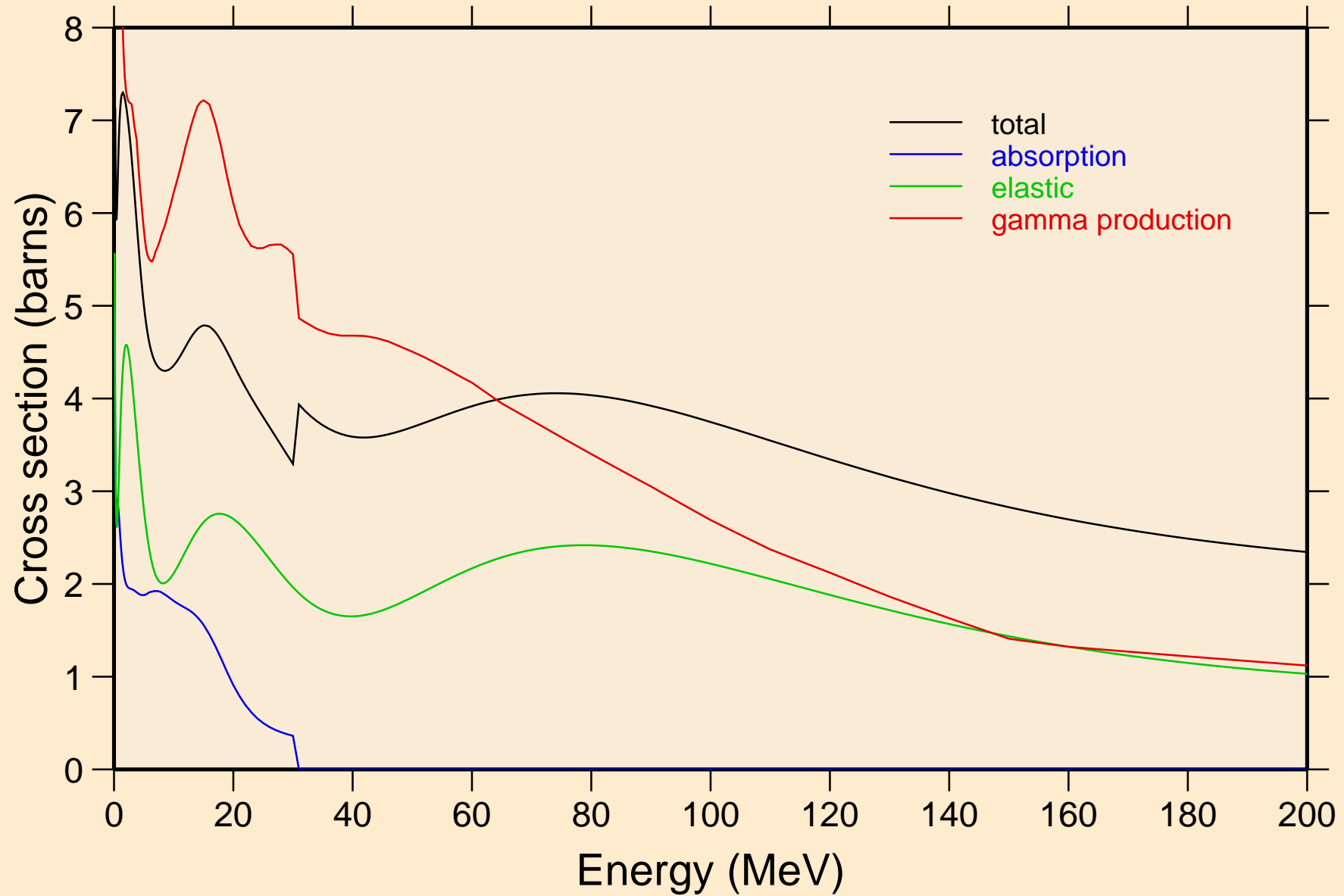


# ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Non-threshold reactions

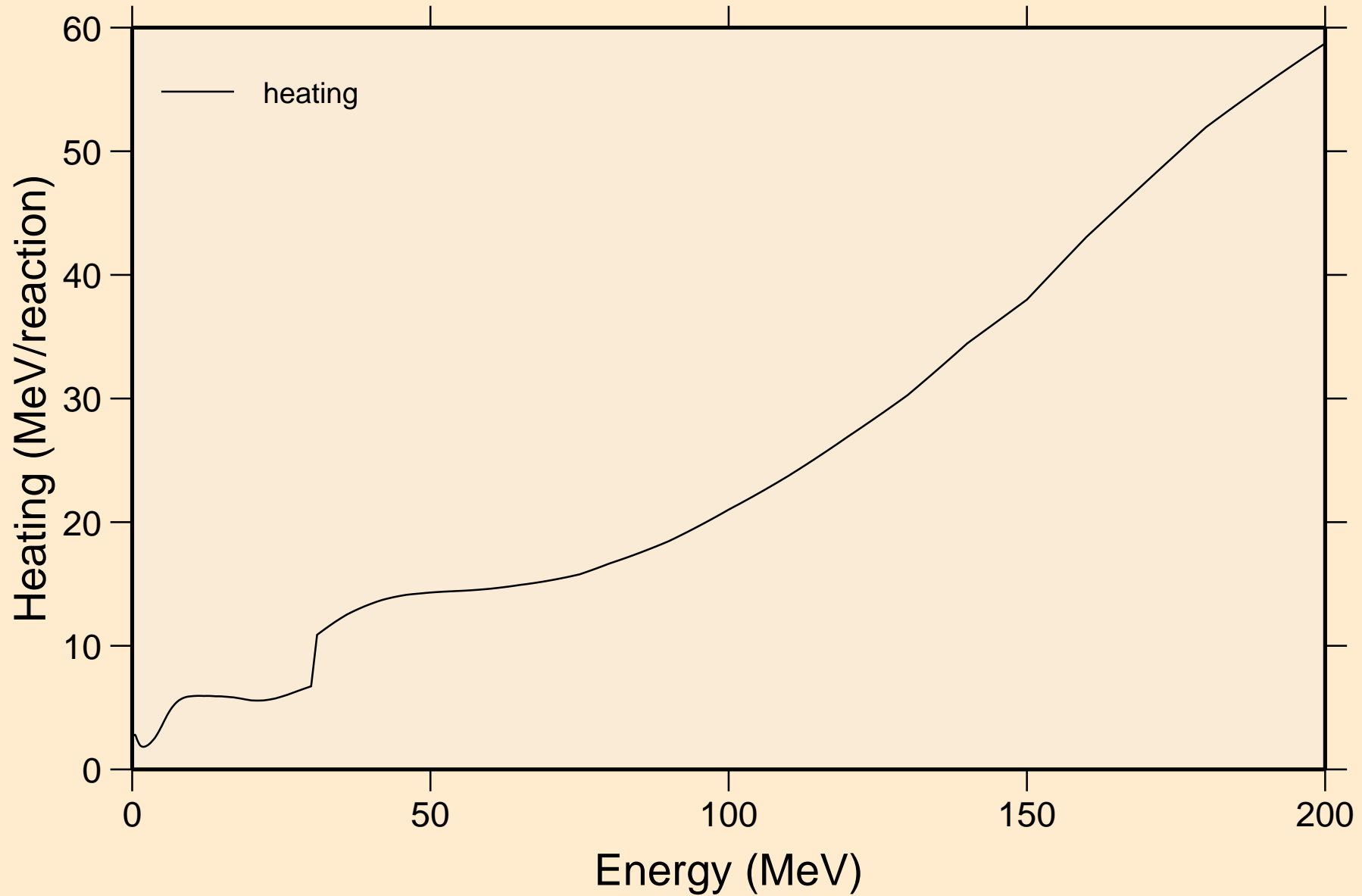


ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Principal cross sections



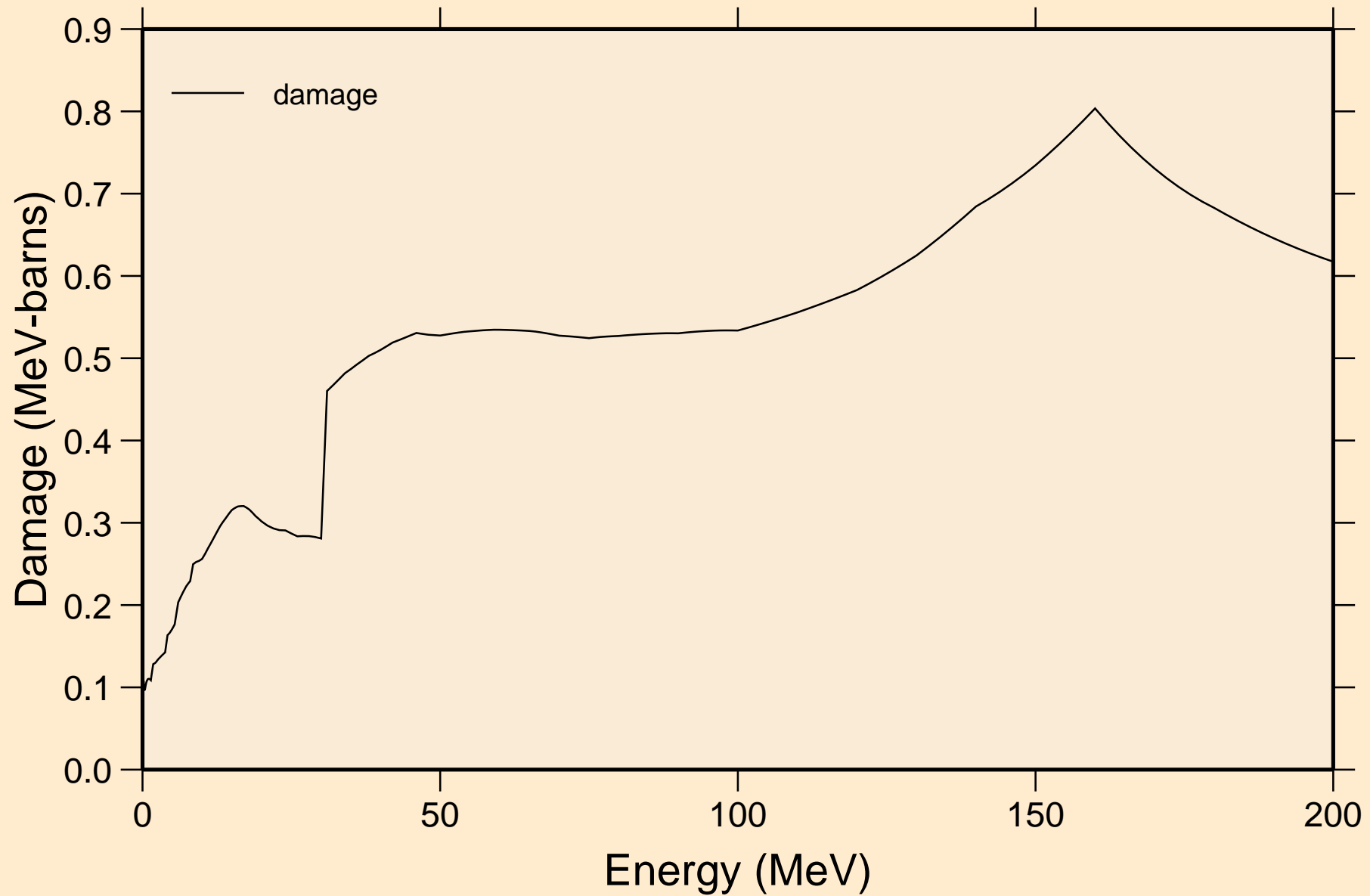
# ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Heating



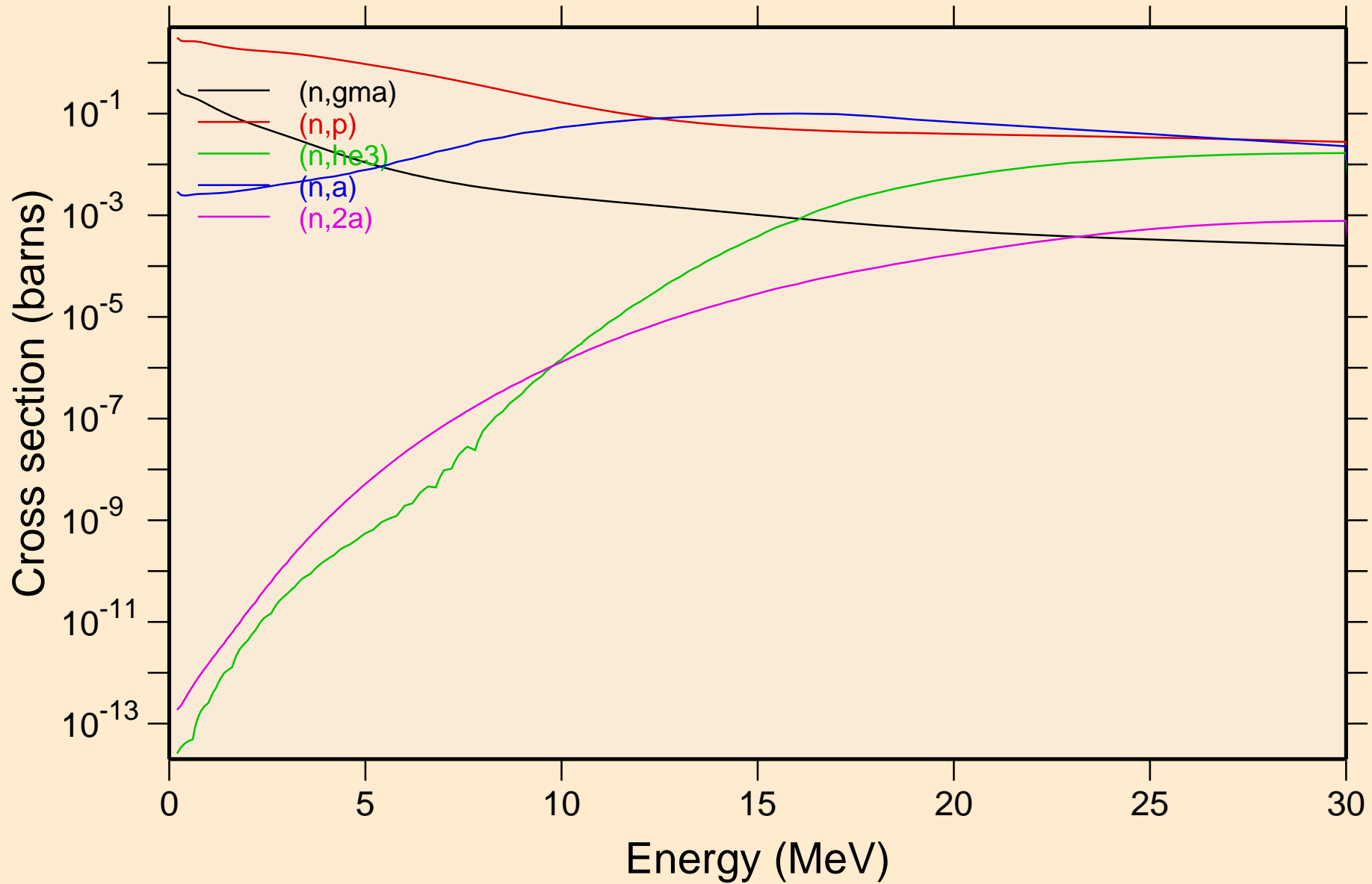
# ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Damage



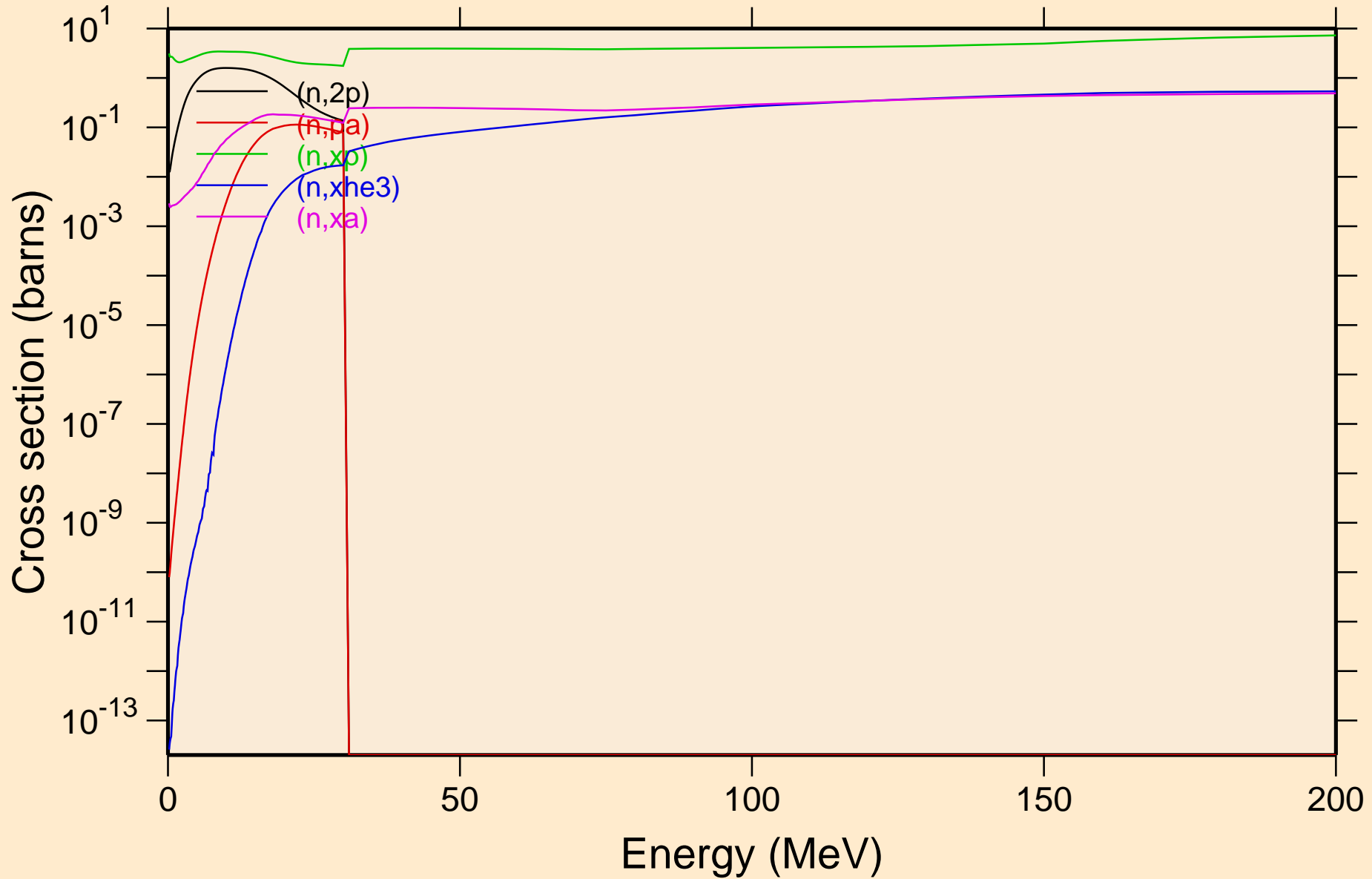


ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions

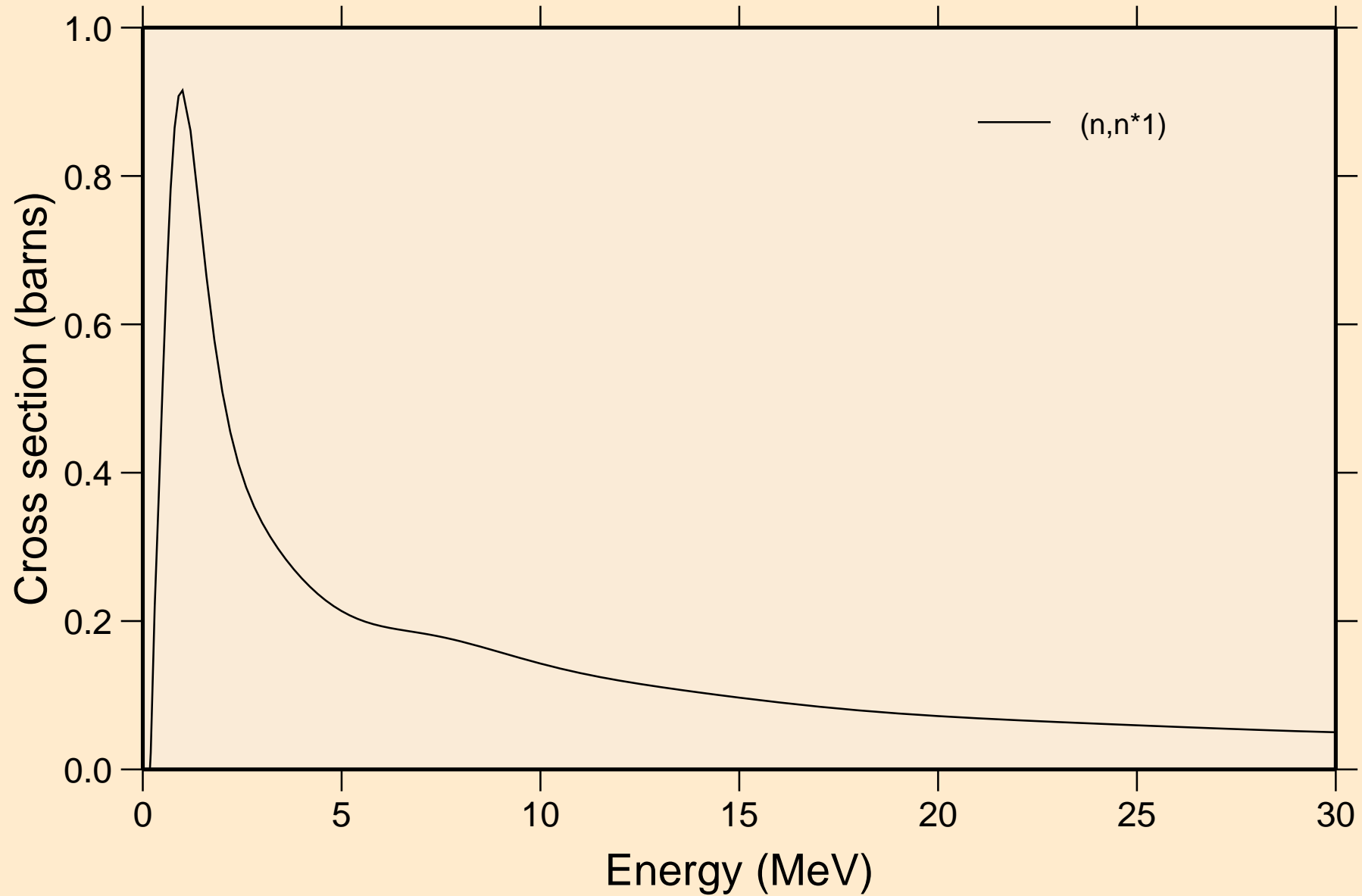


# ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

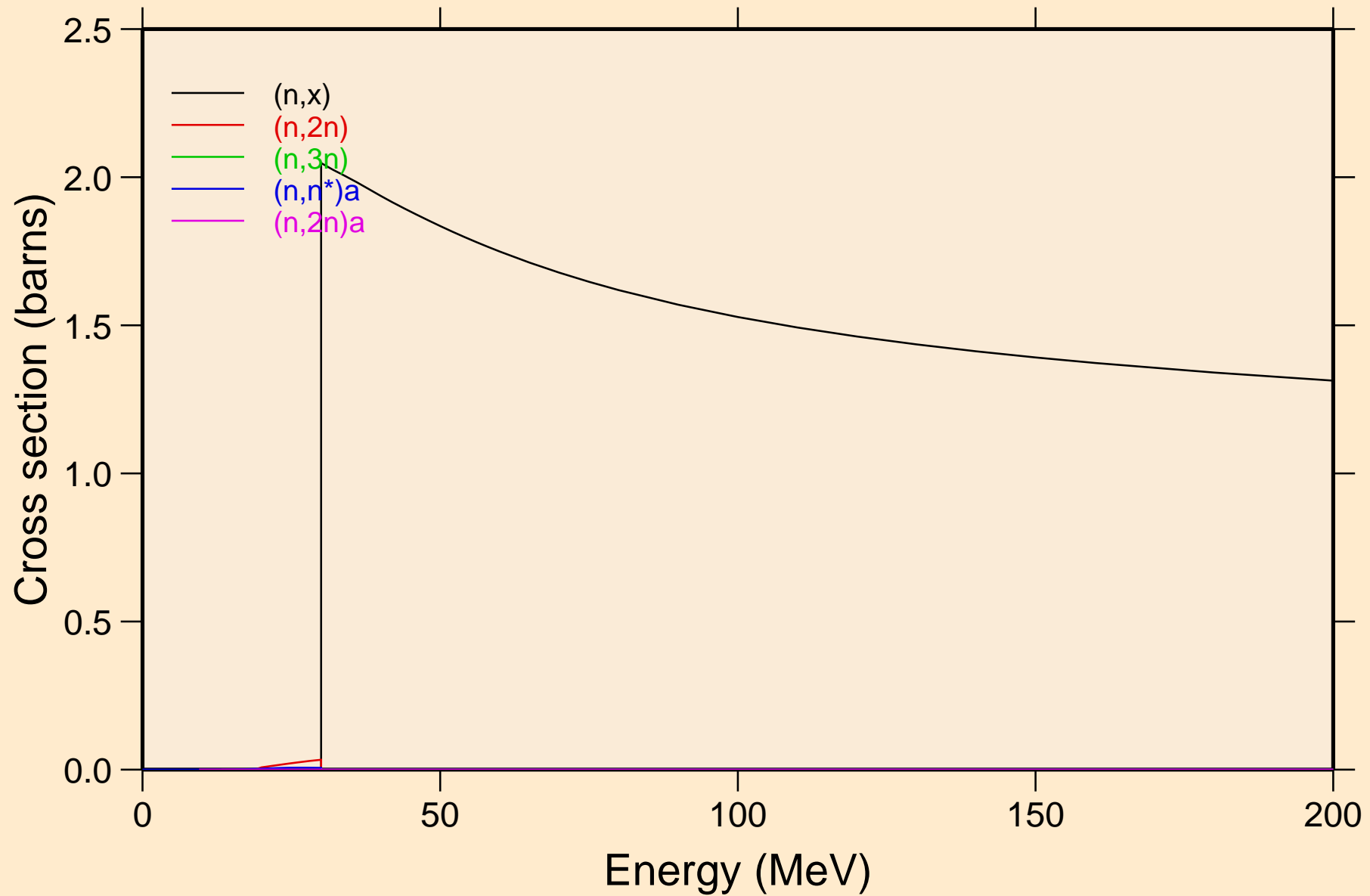
## Non-threshold reactions



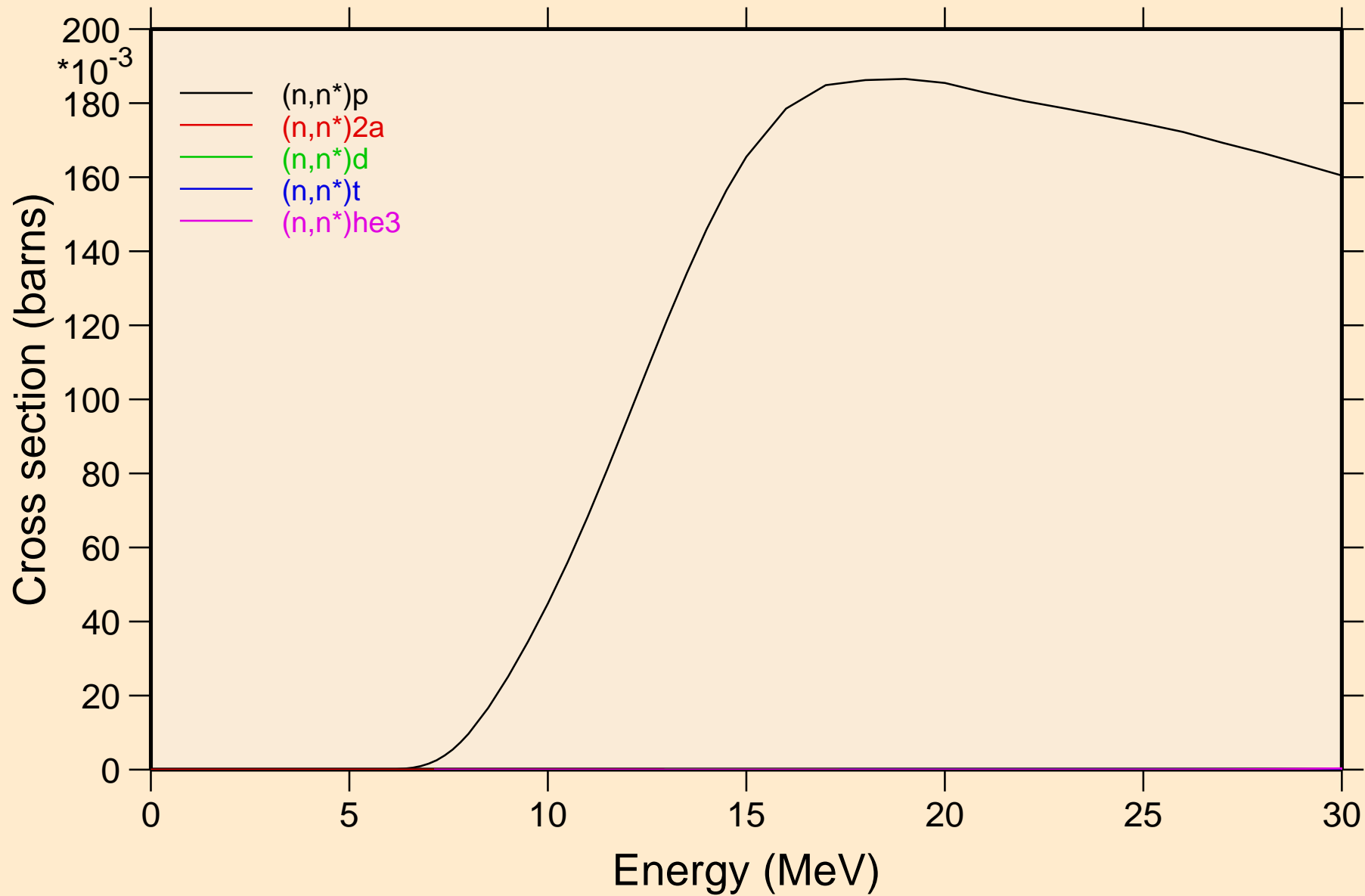
ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



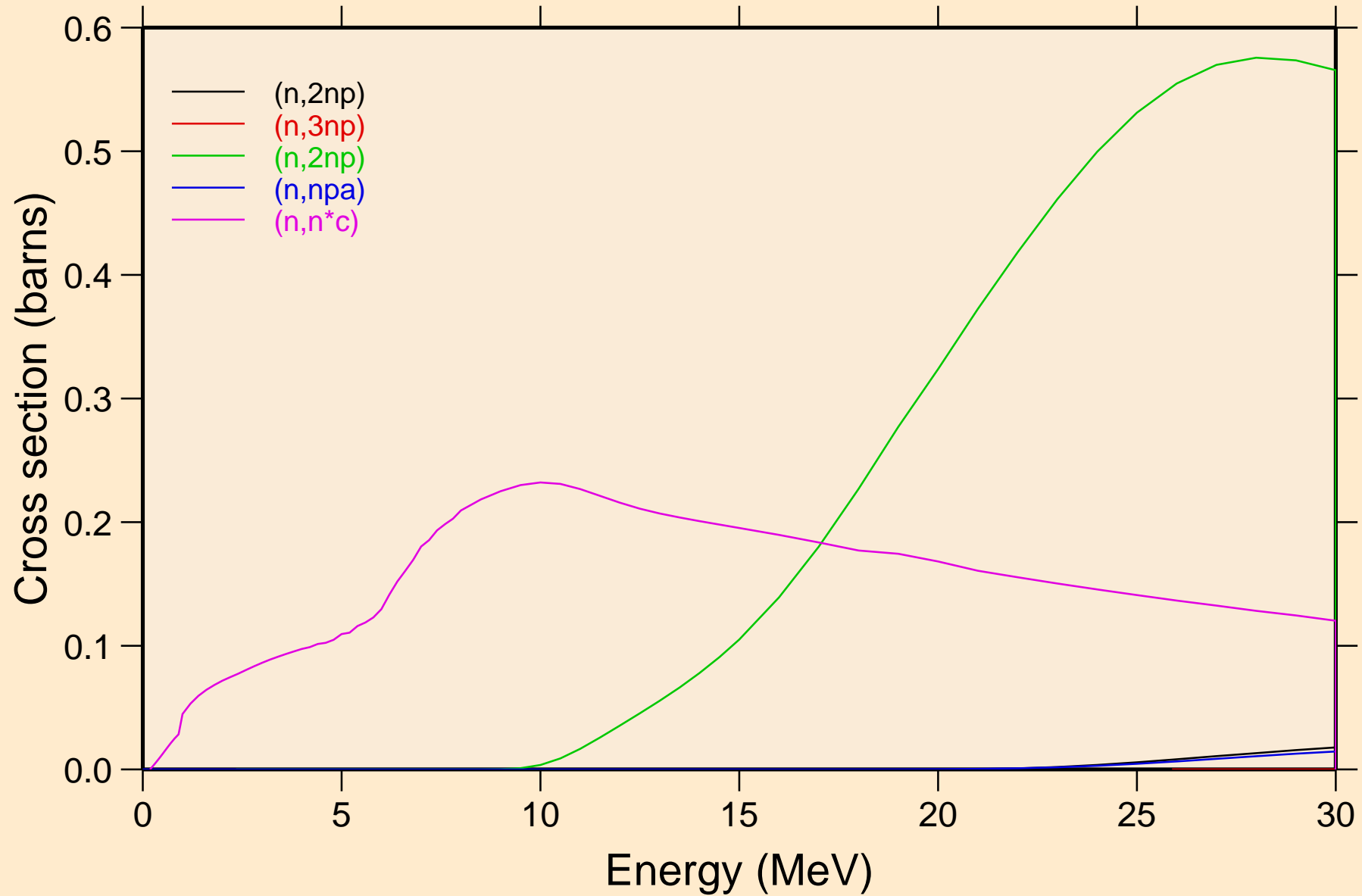
ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



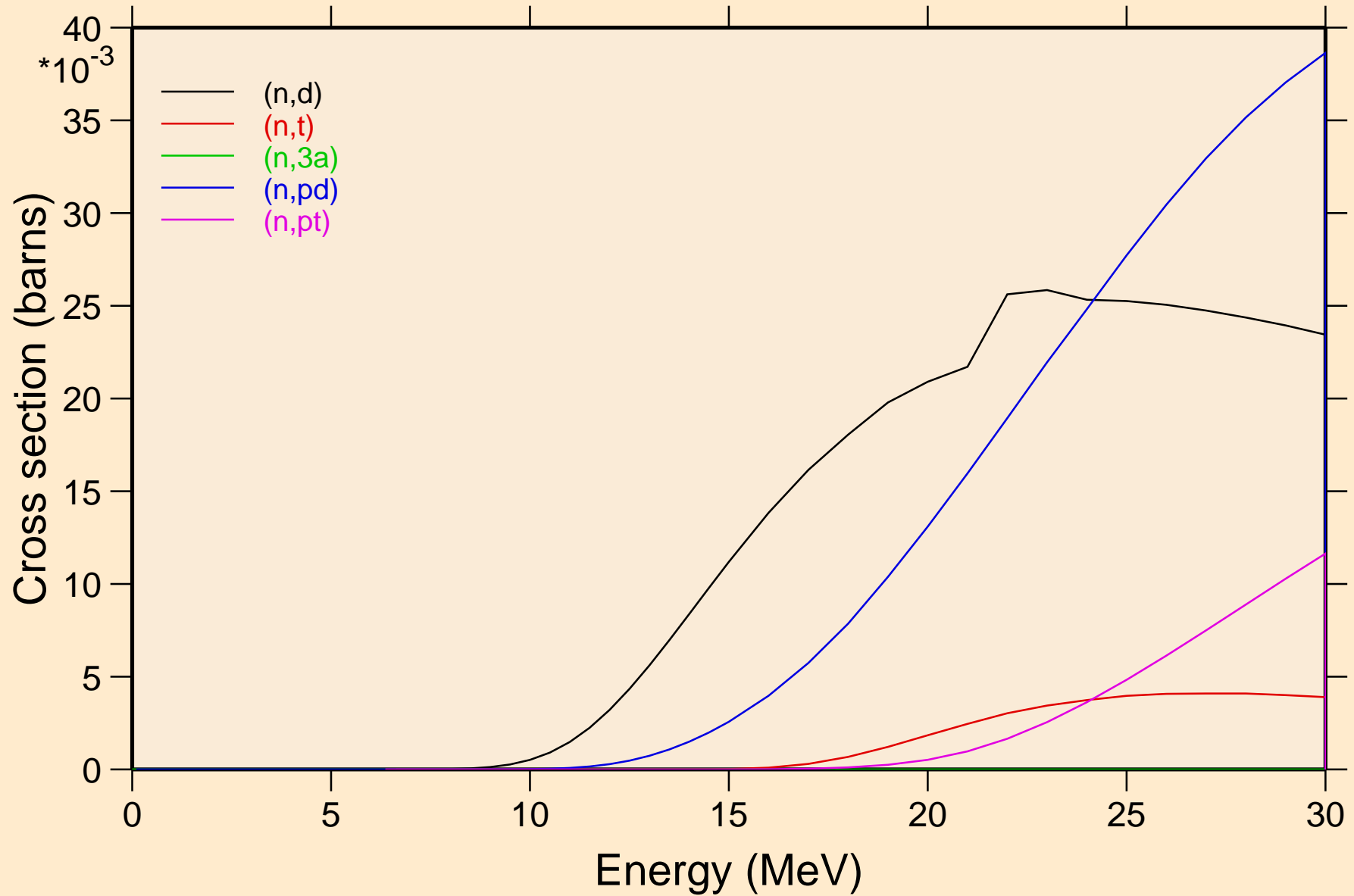
ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



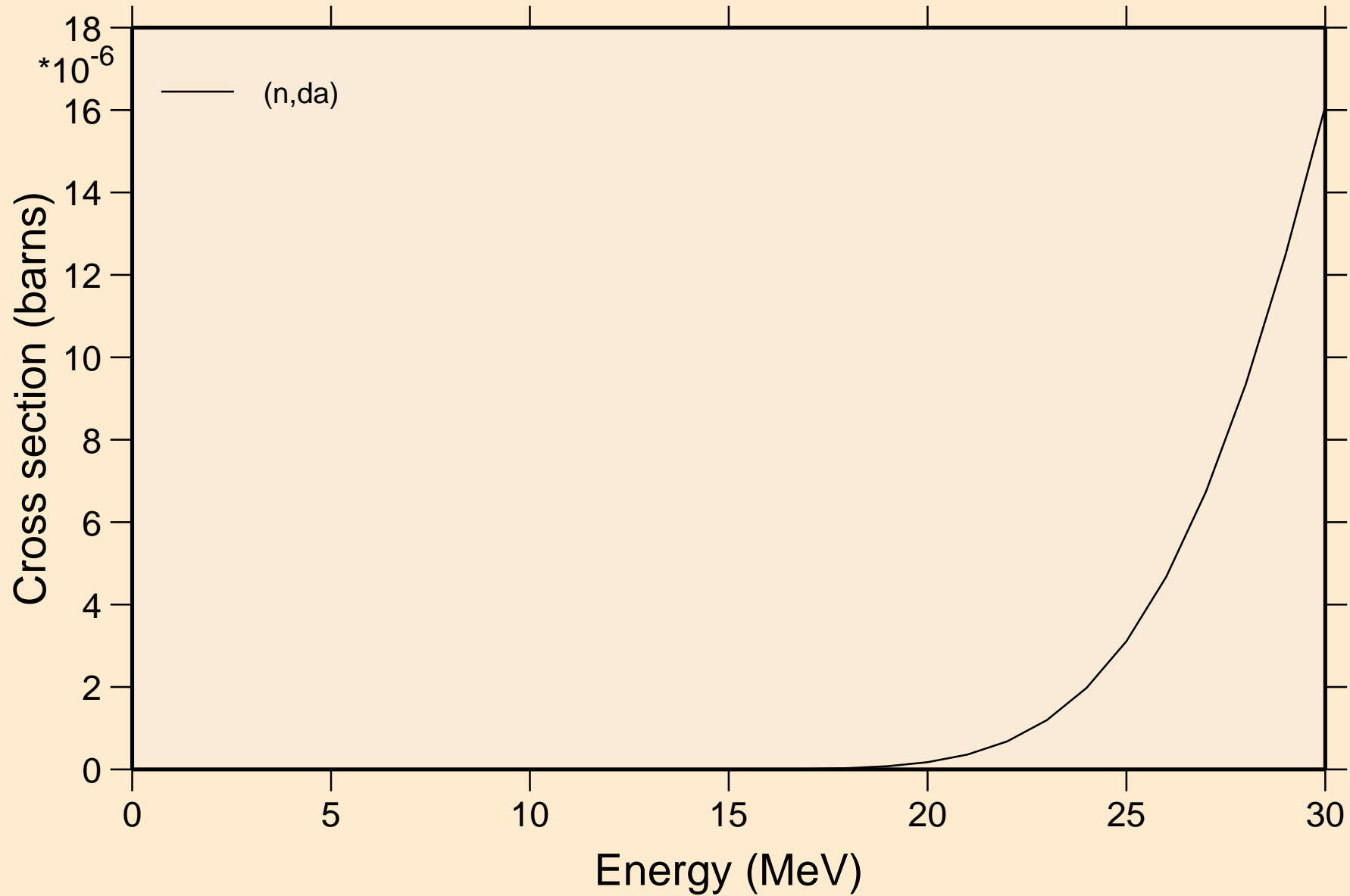
ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



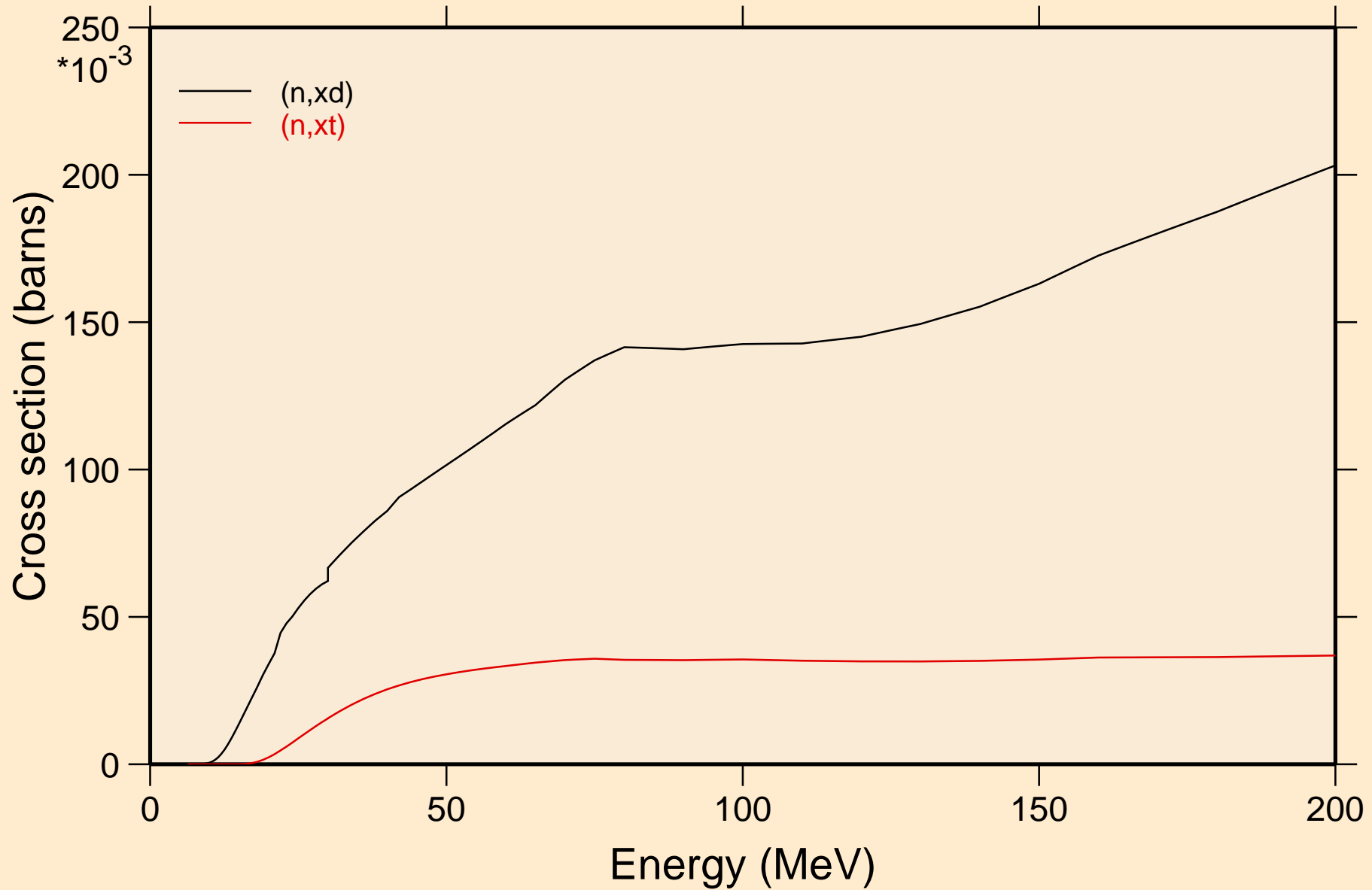
ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



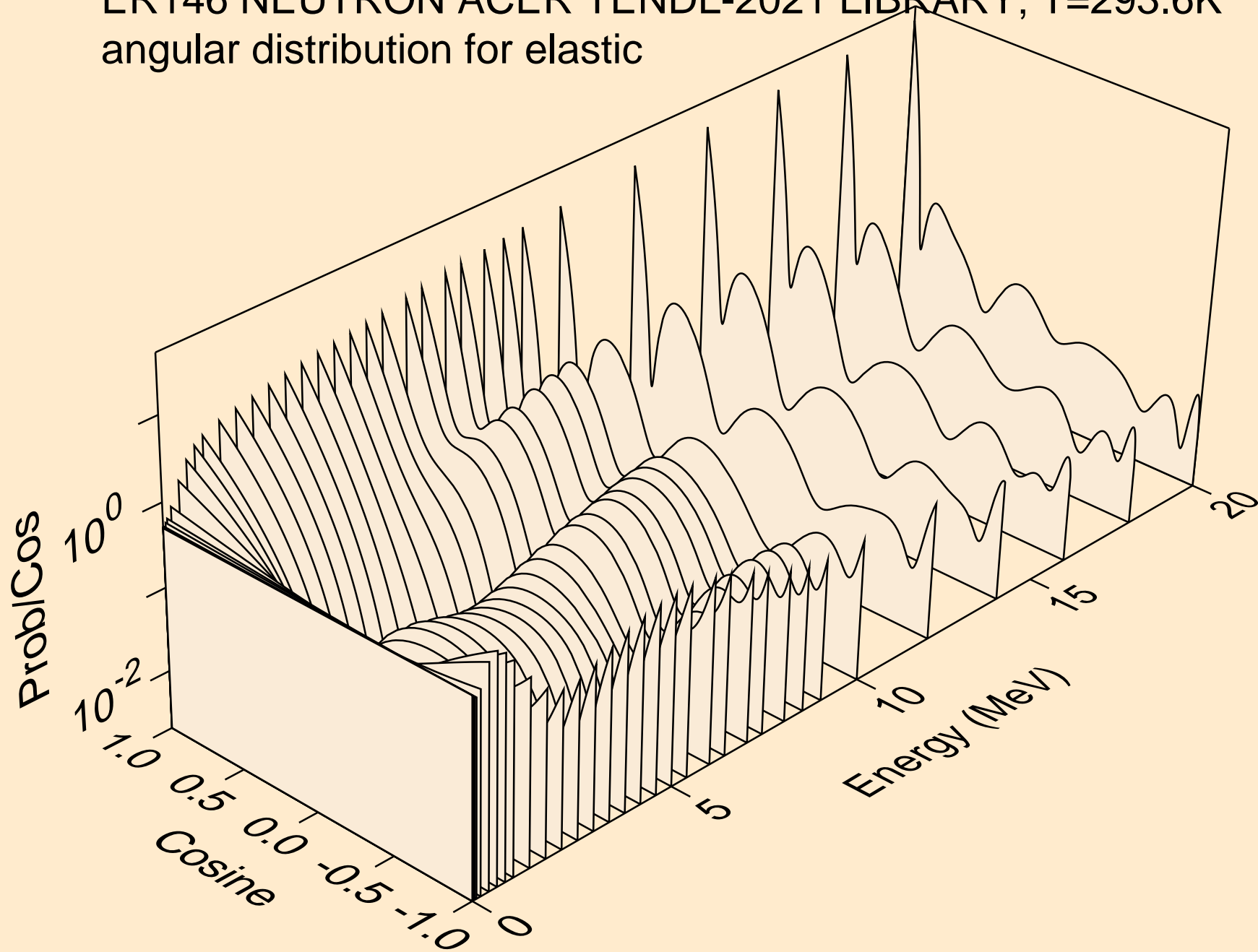


# ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

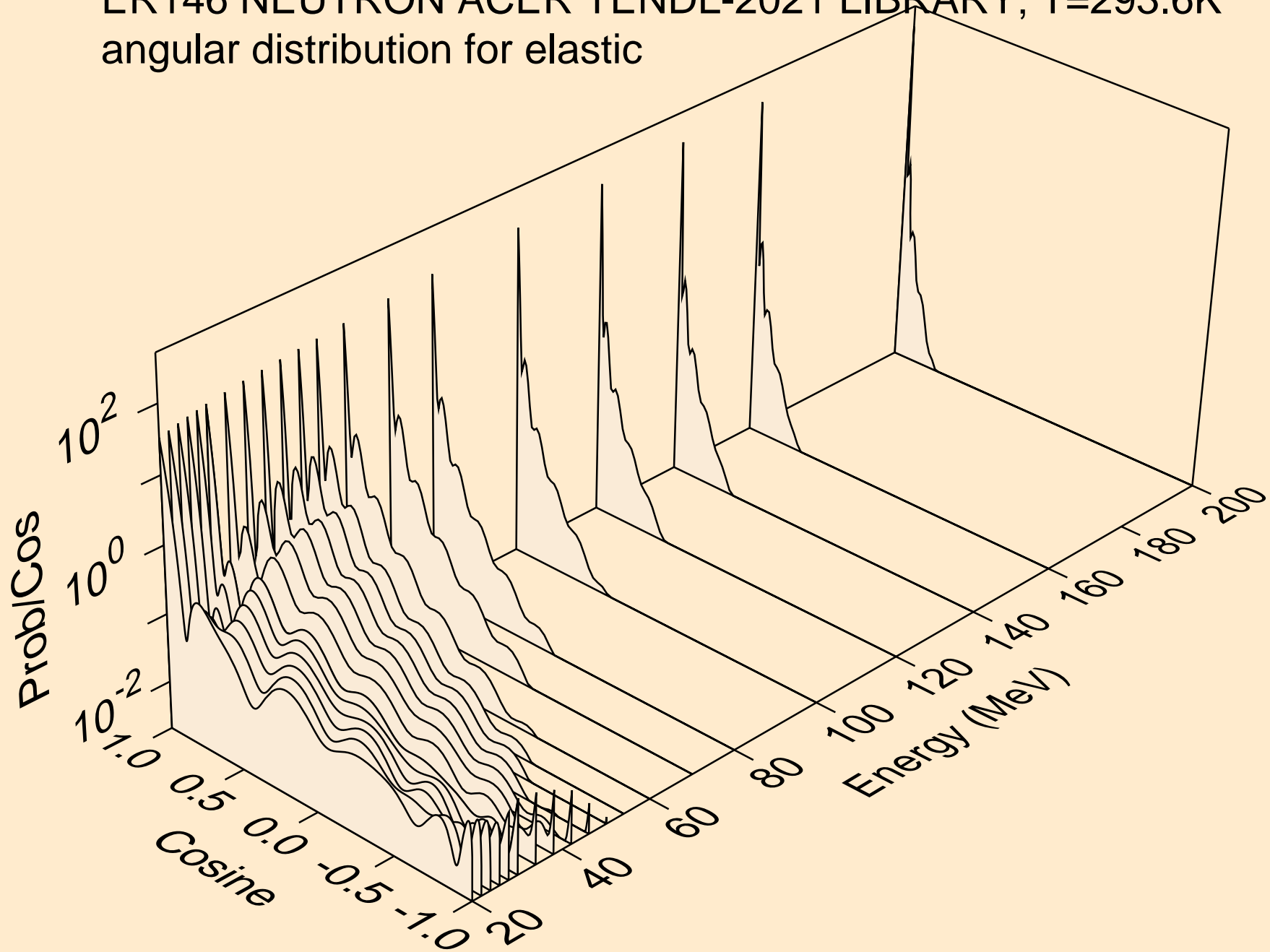
## Threshold reactions



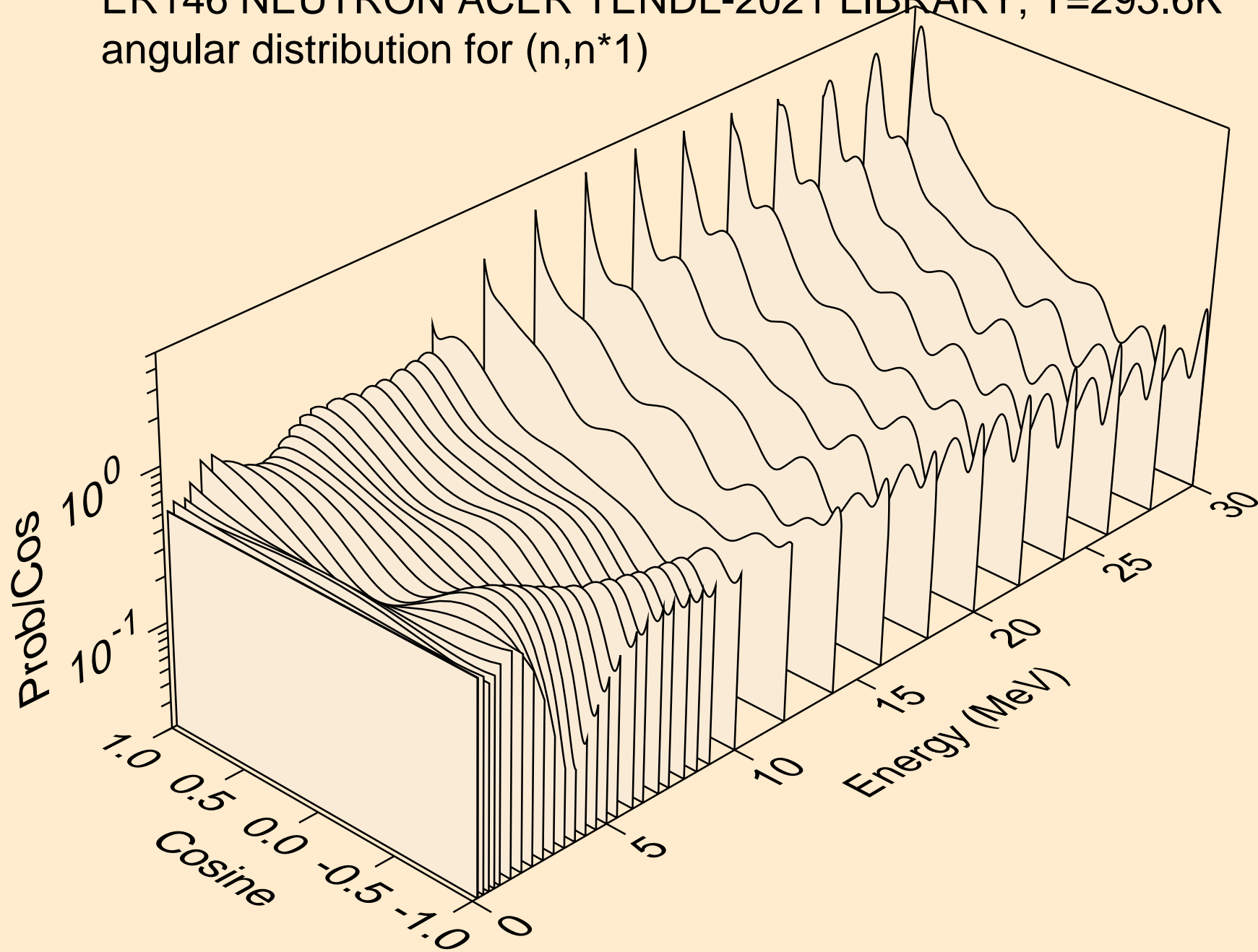
ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for elastic



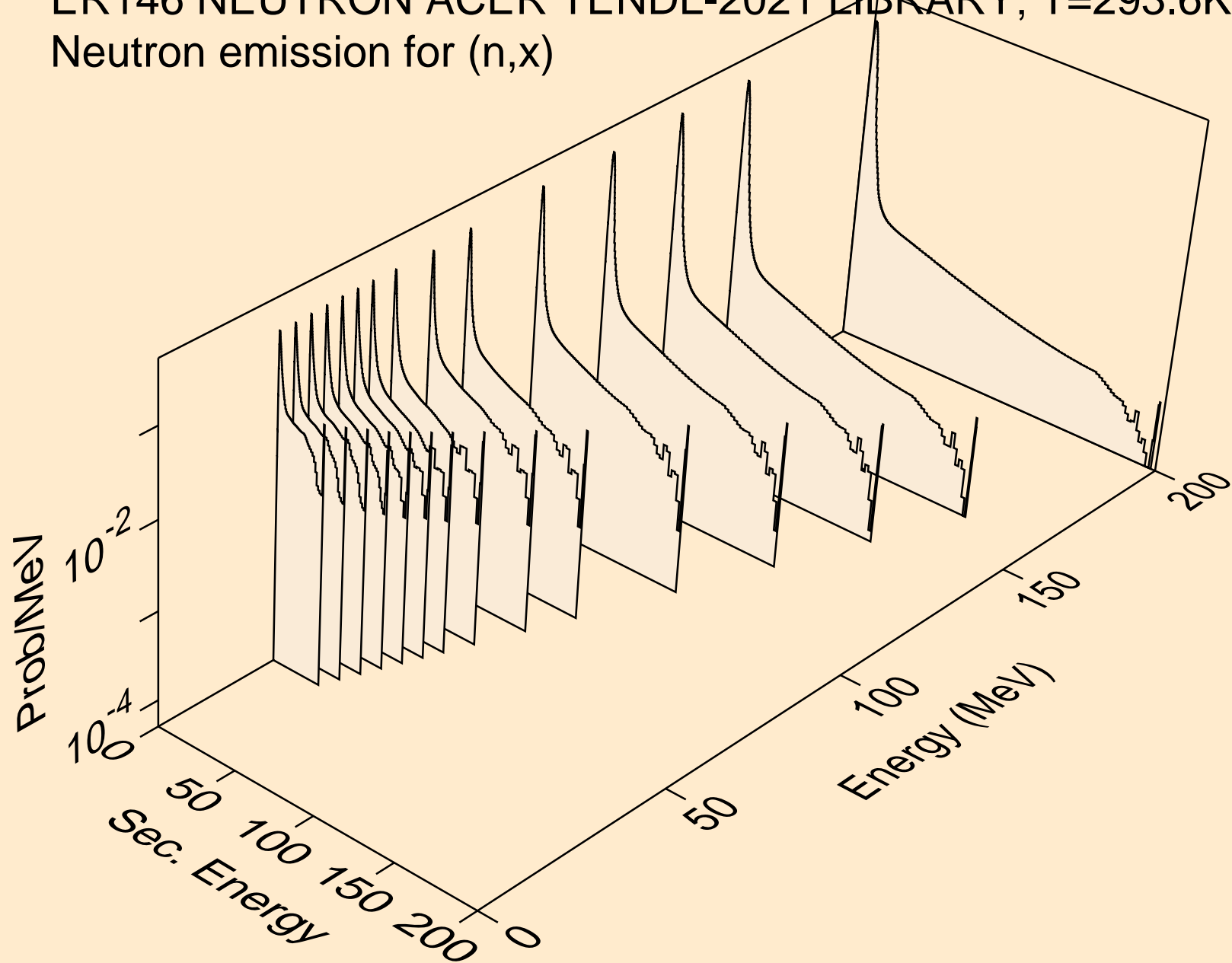
ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for elastic



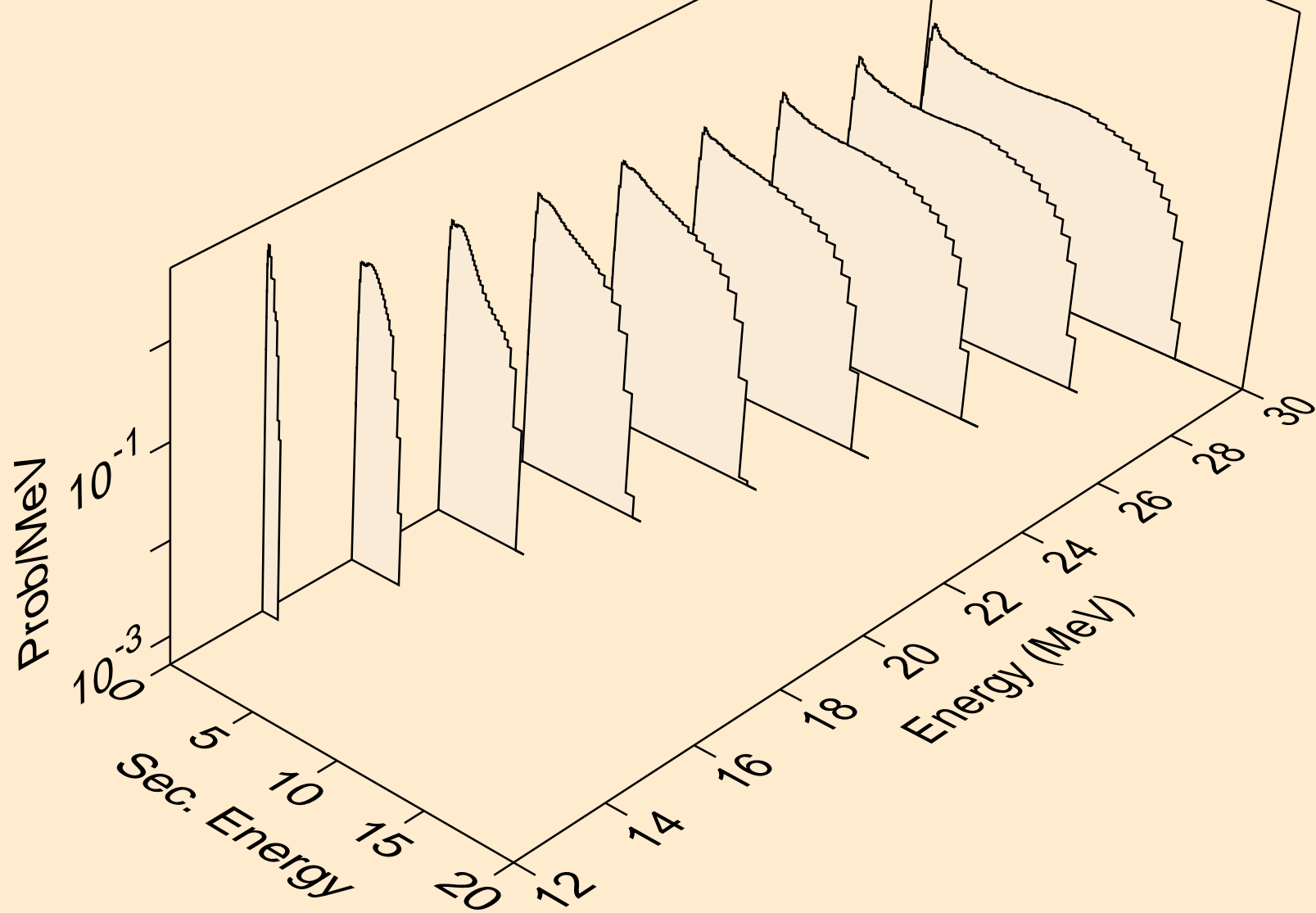
ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*1)



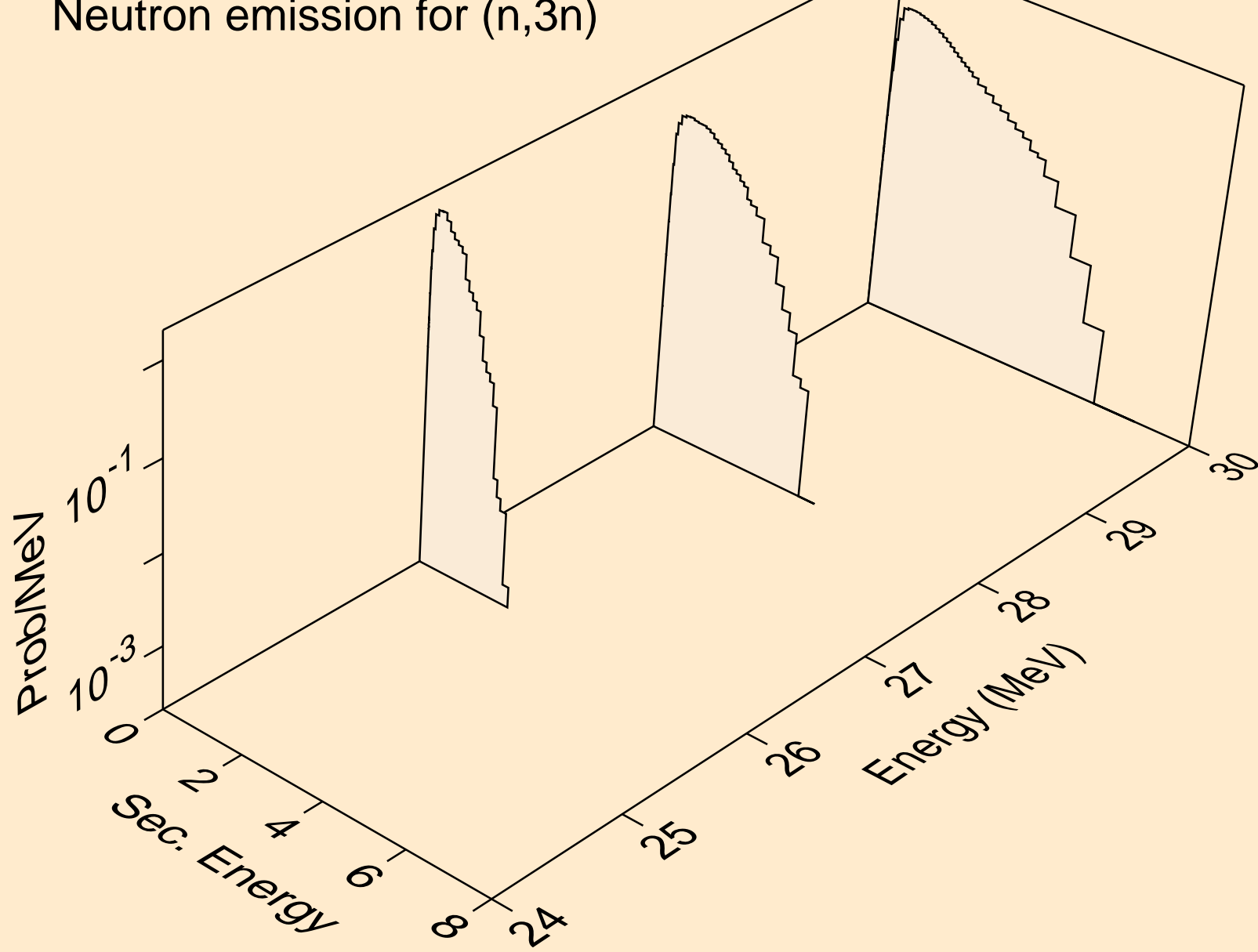
ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,x)



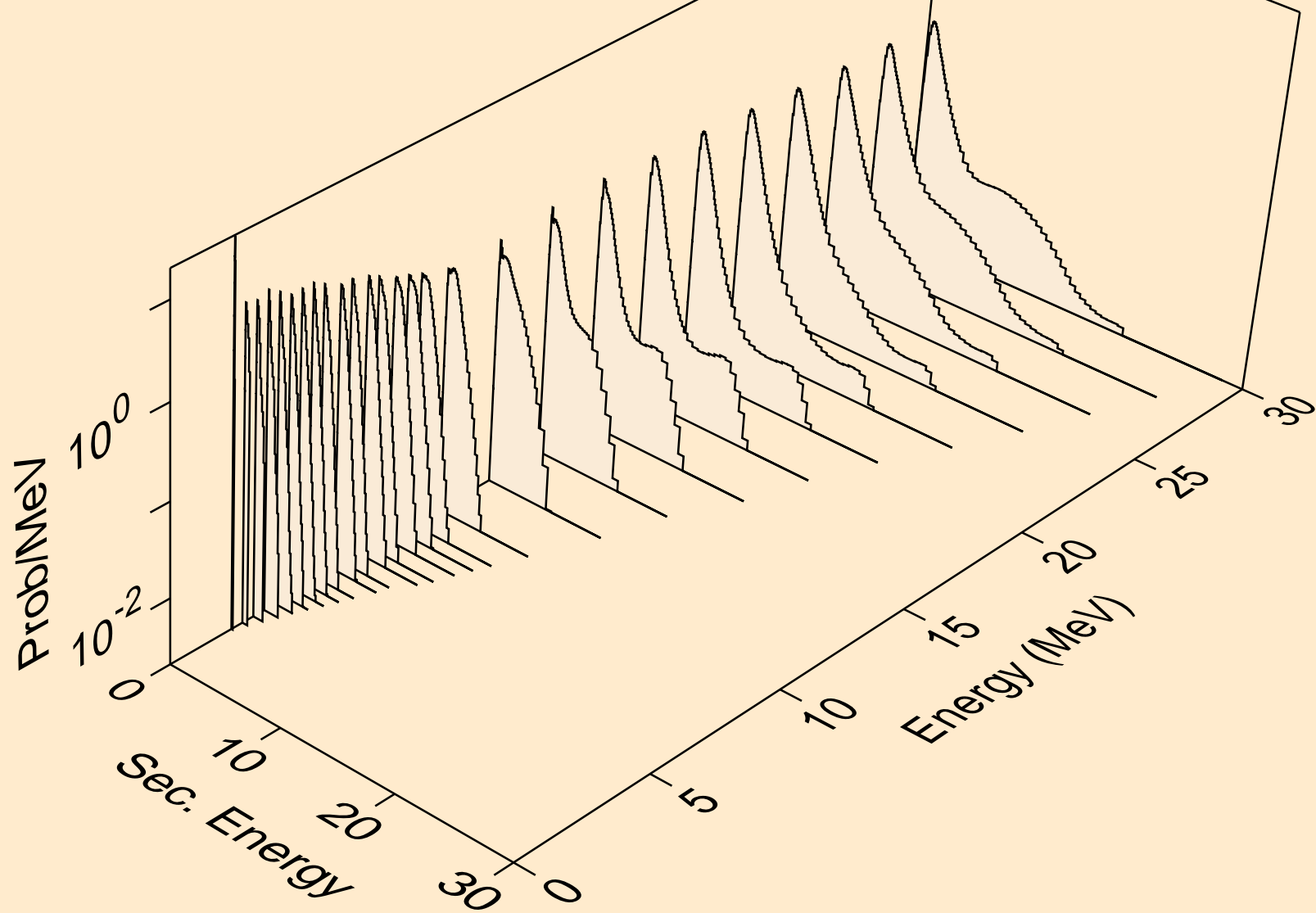
ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)



ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3n)

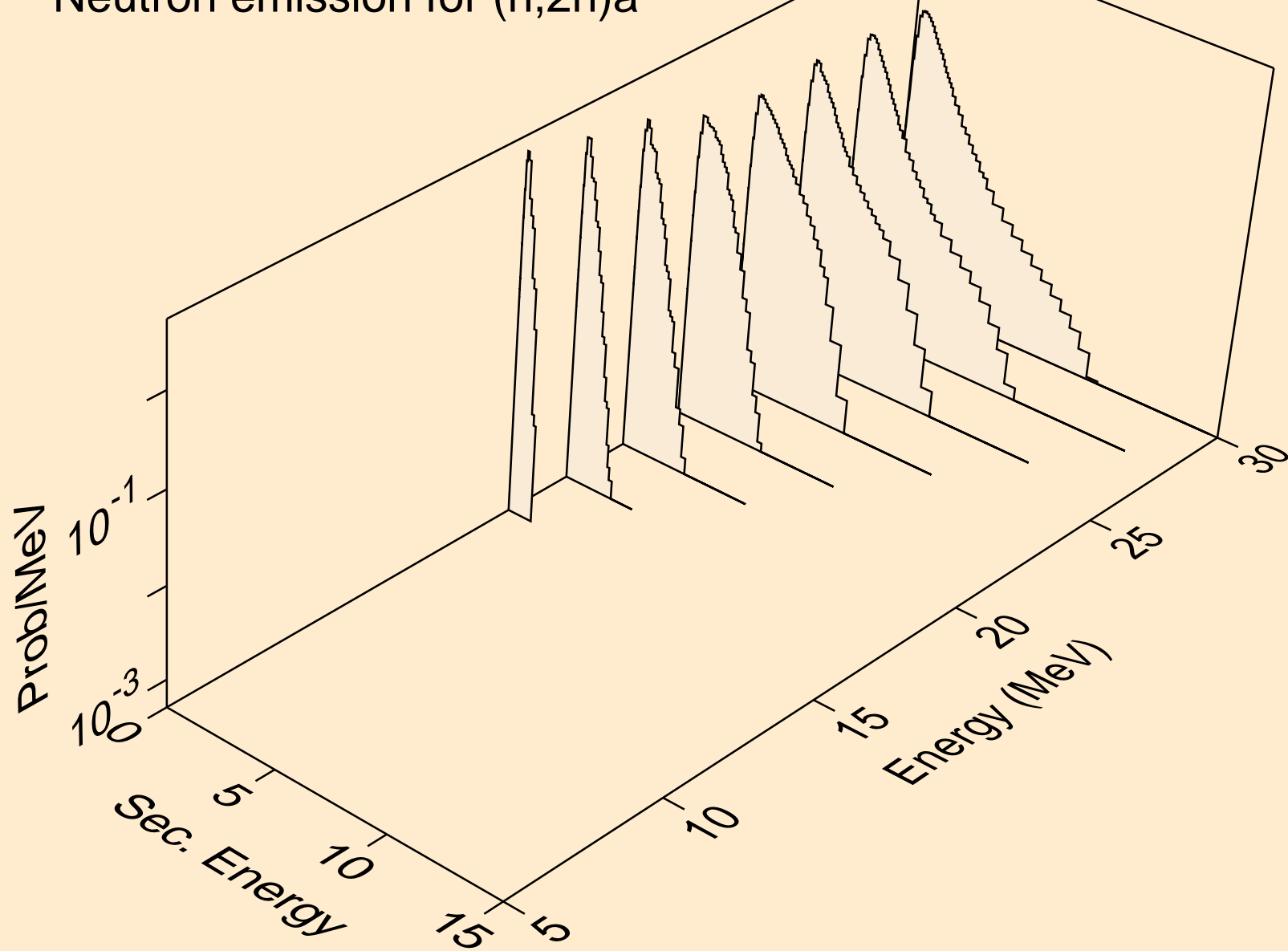


ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)a

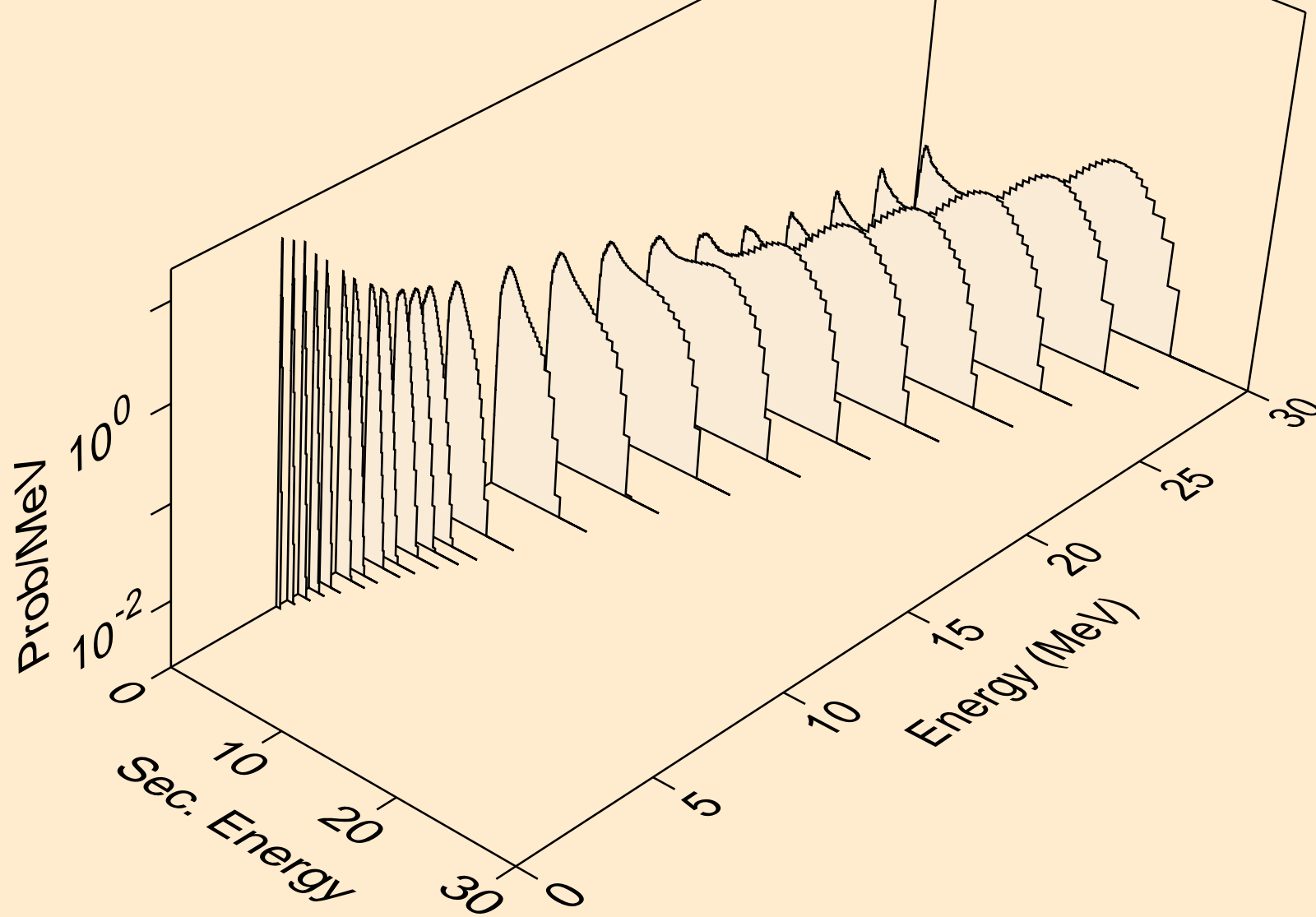




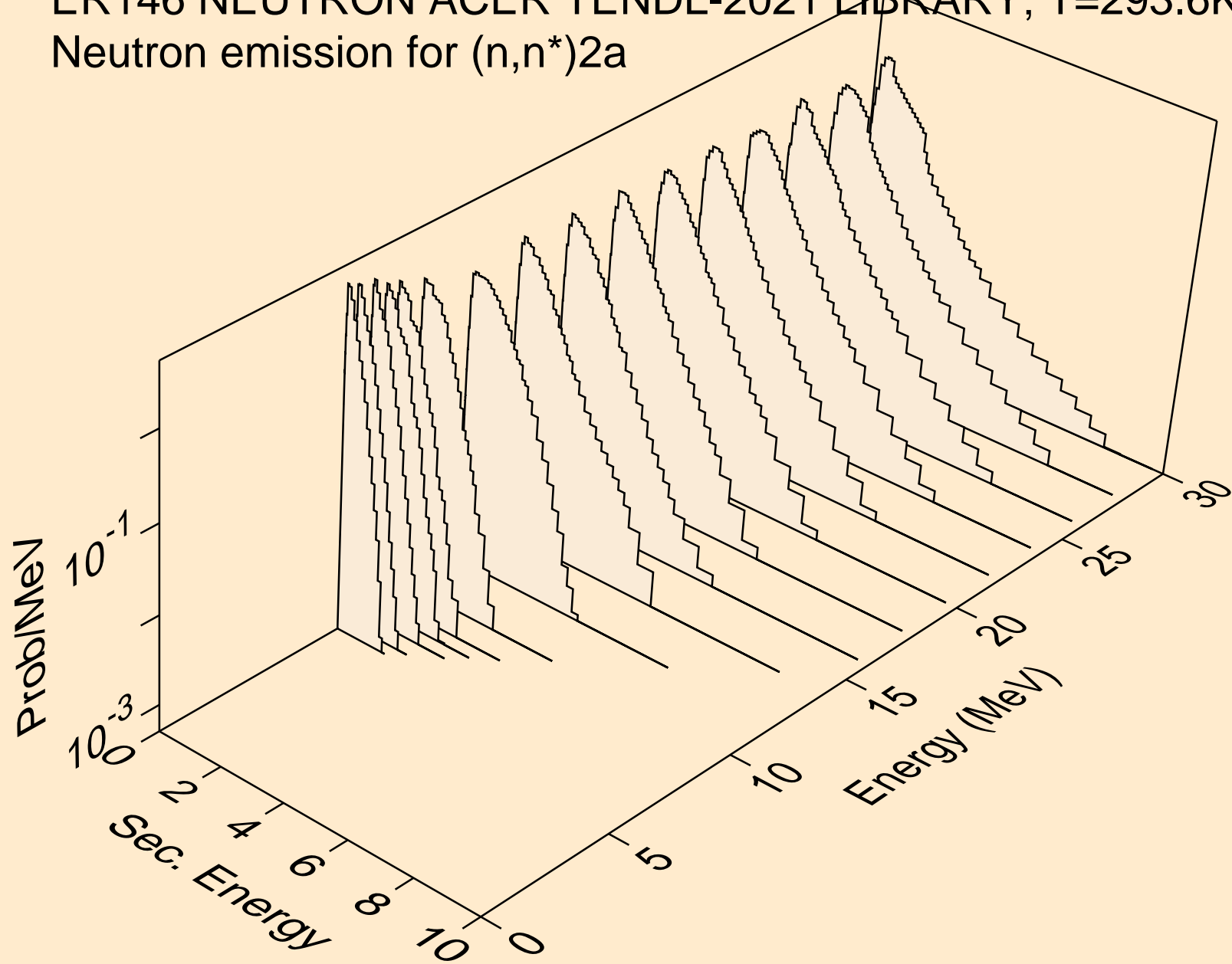
ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)a



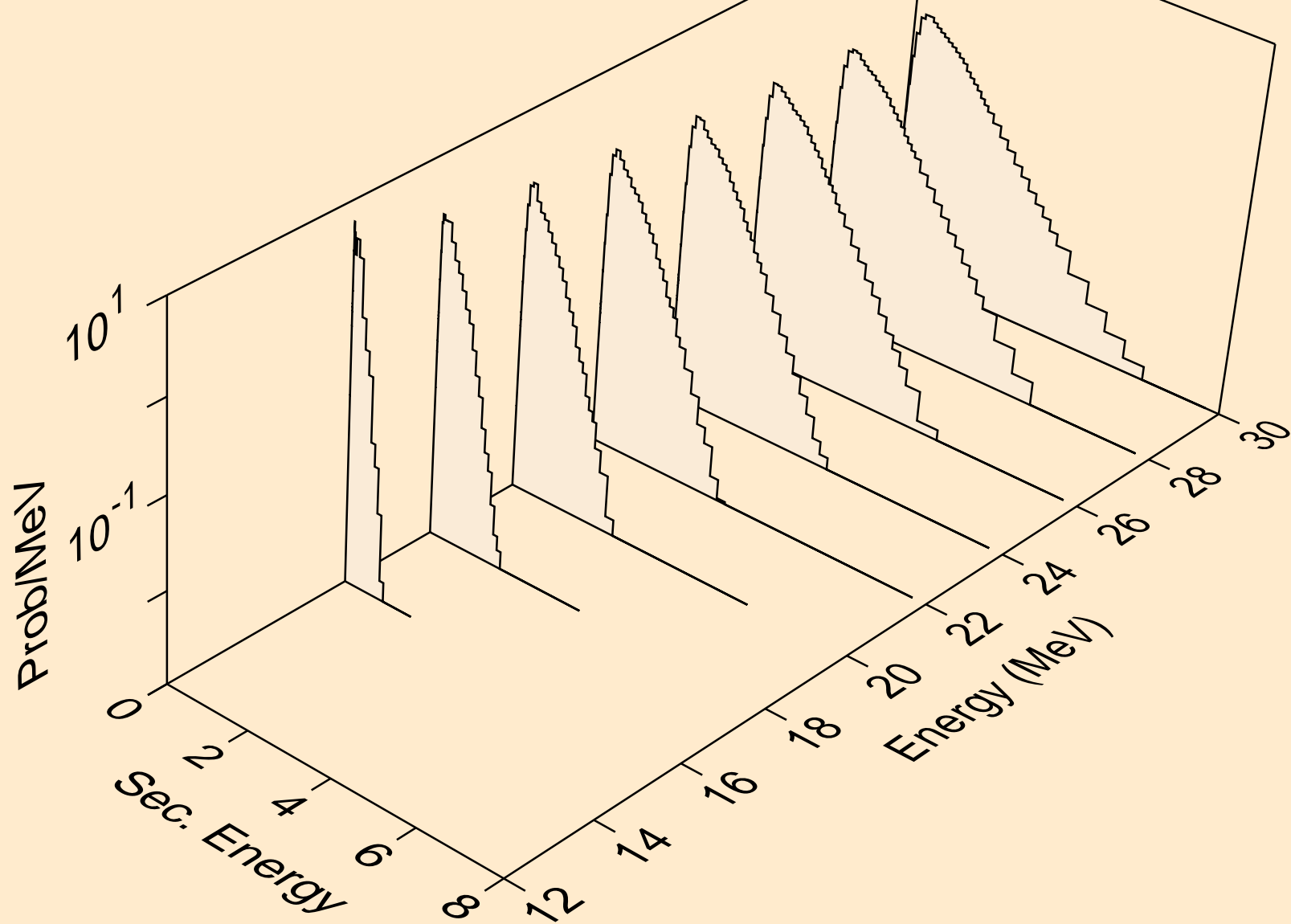
ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)p



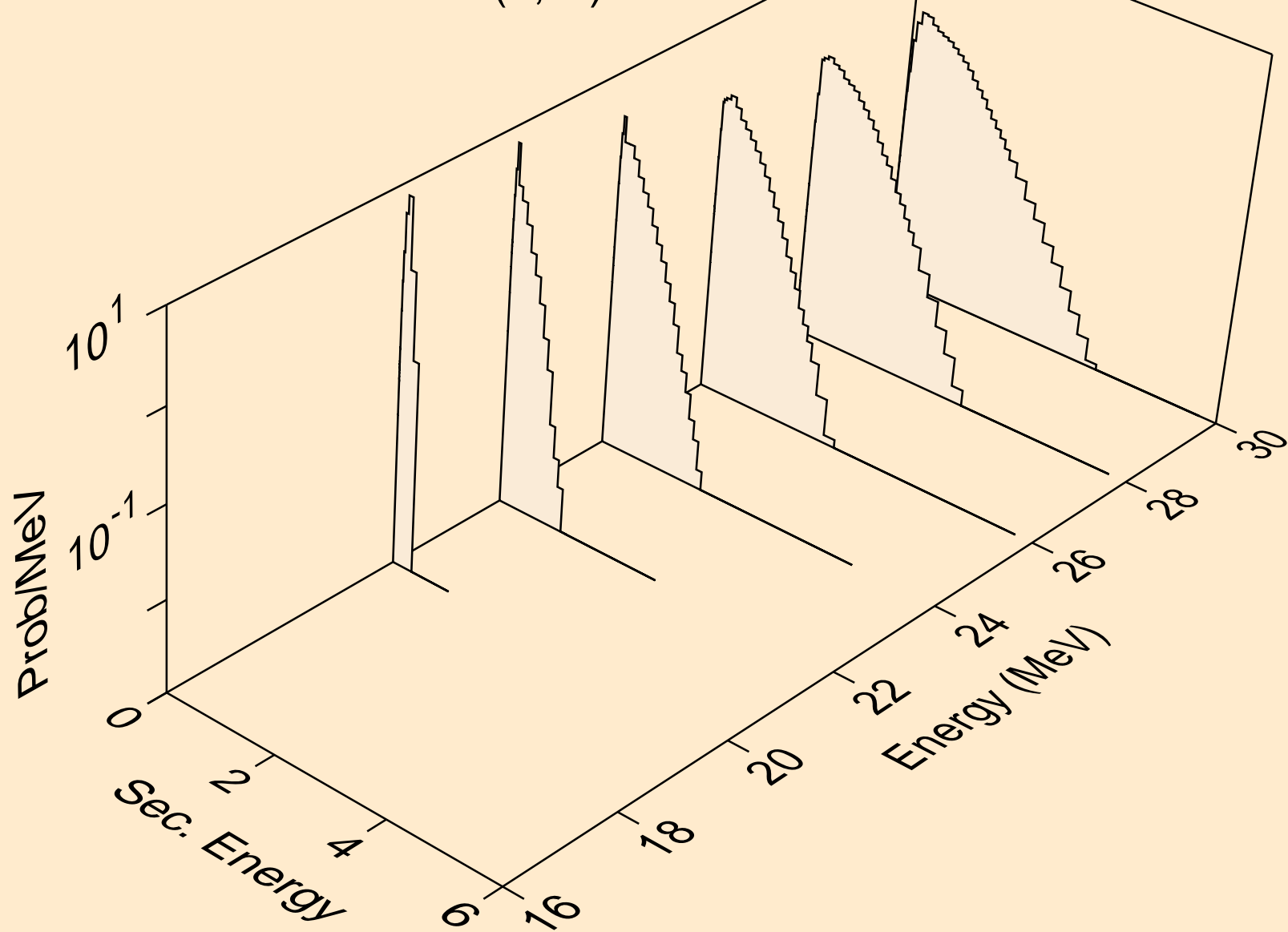
ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)2a



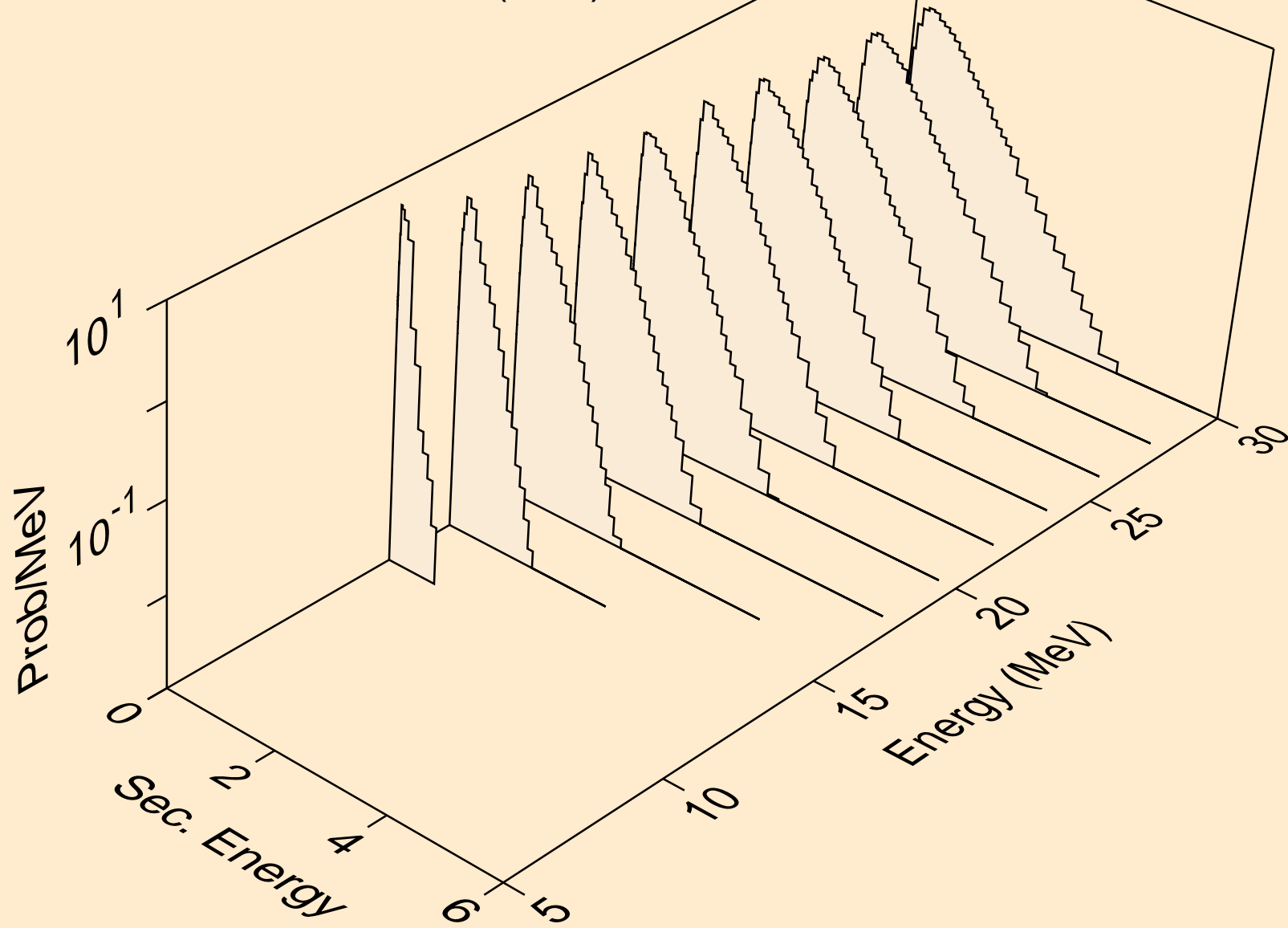
ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)d



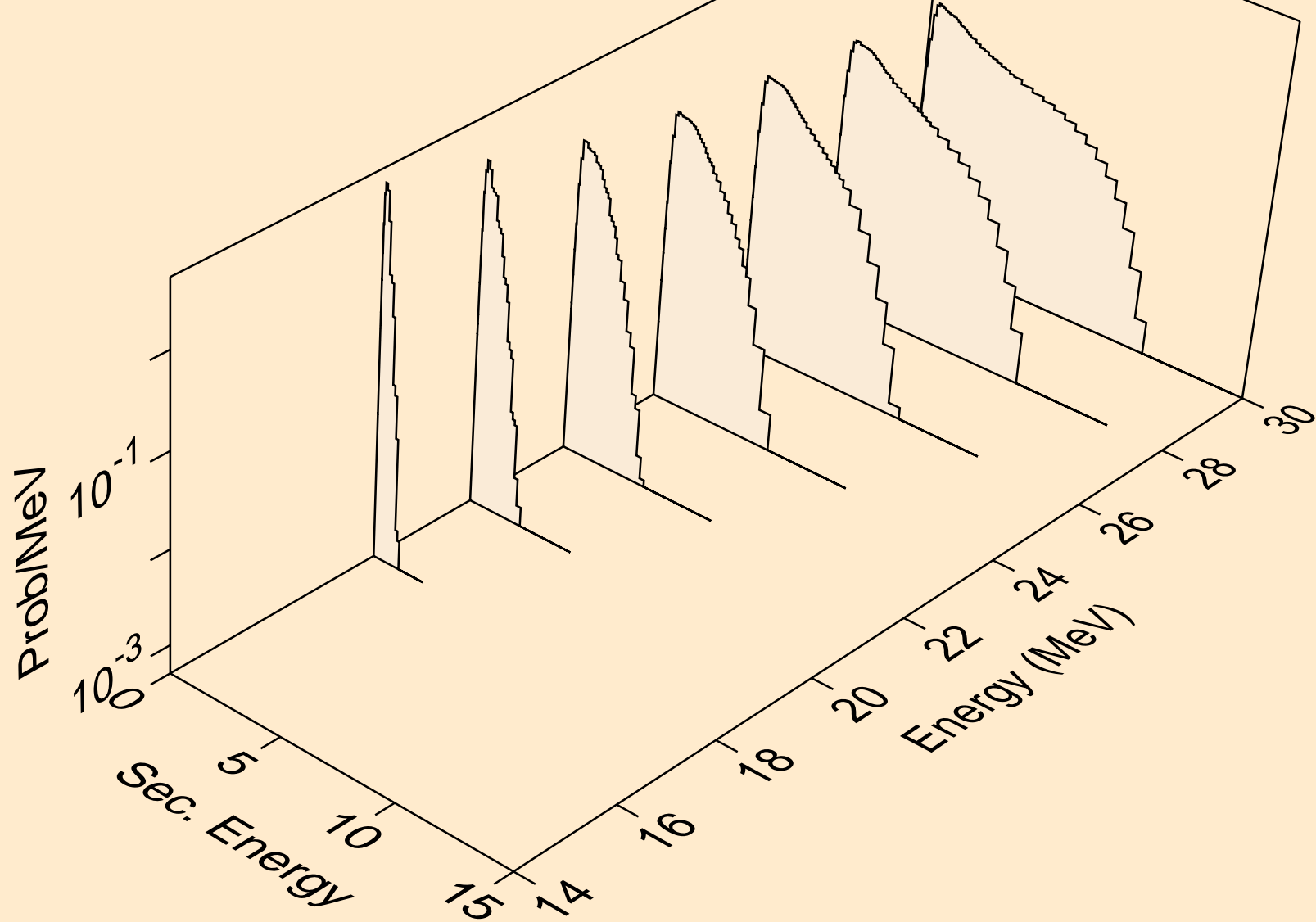
ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)t



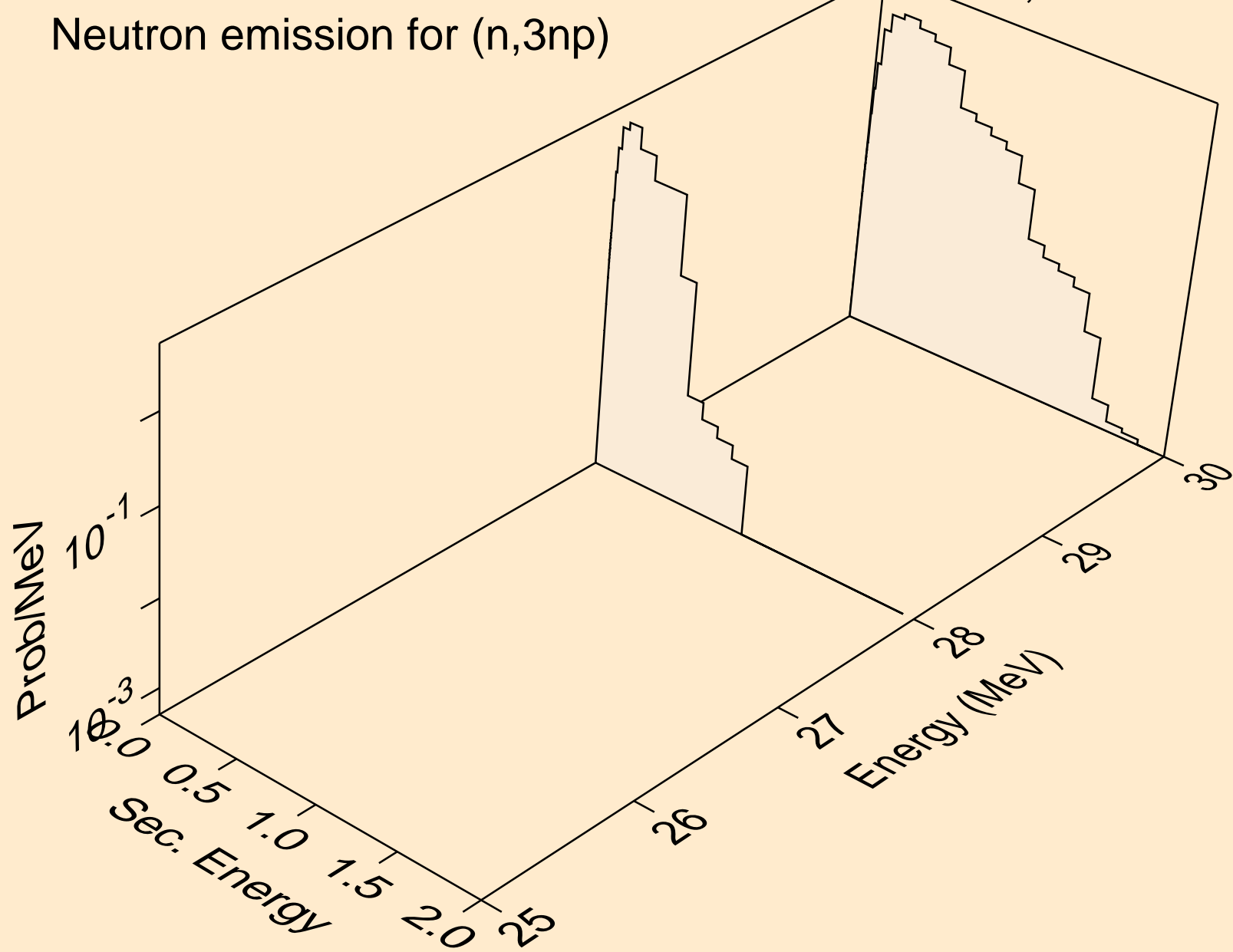
ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)he3



ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2np)

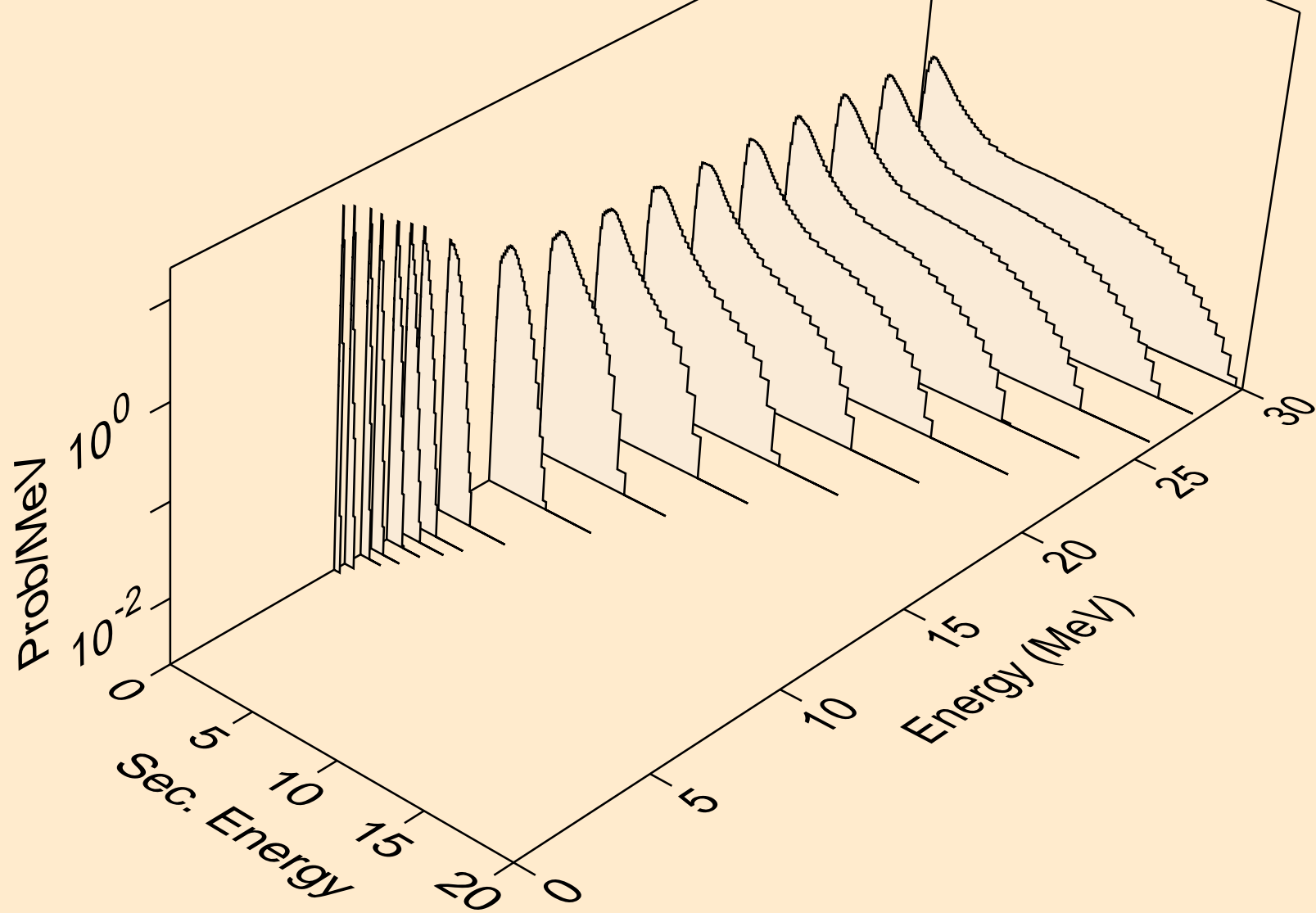


ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3np)

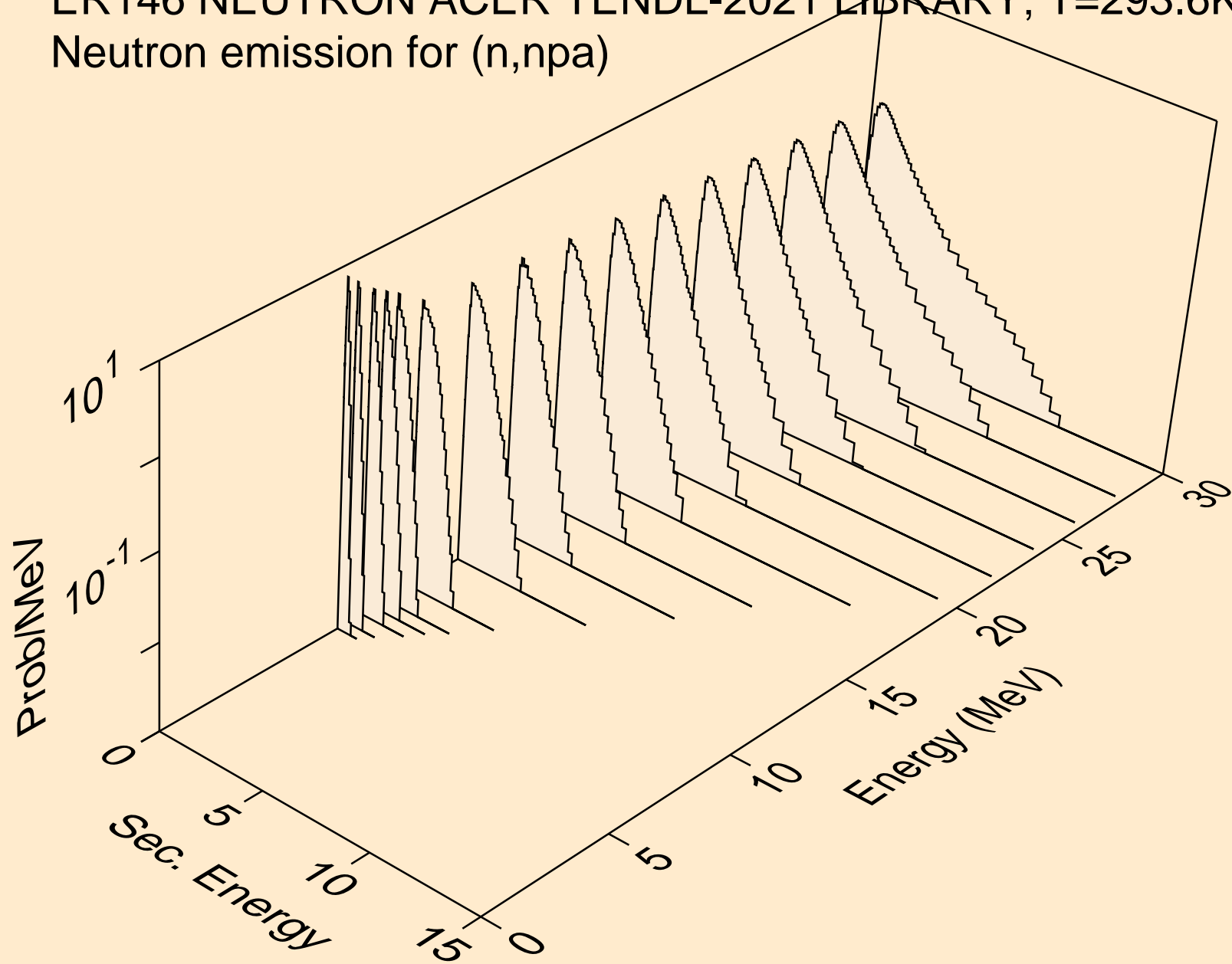




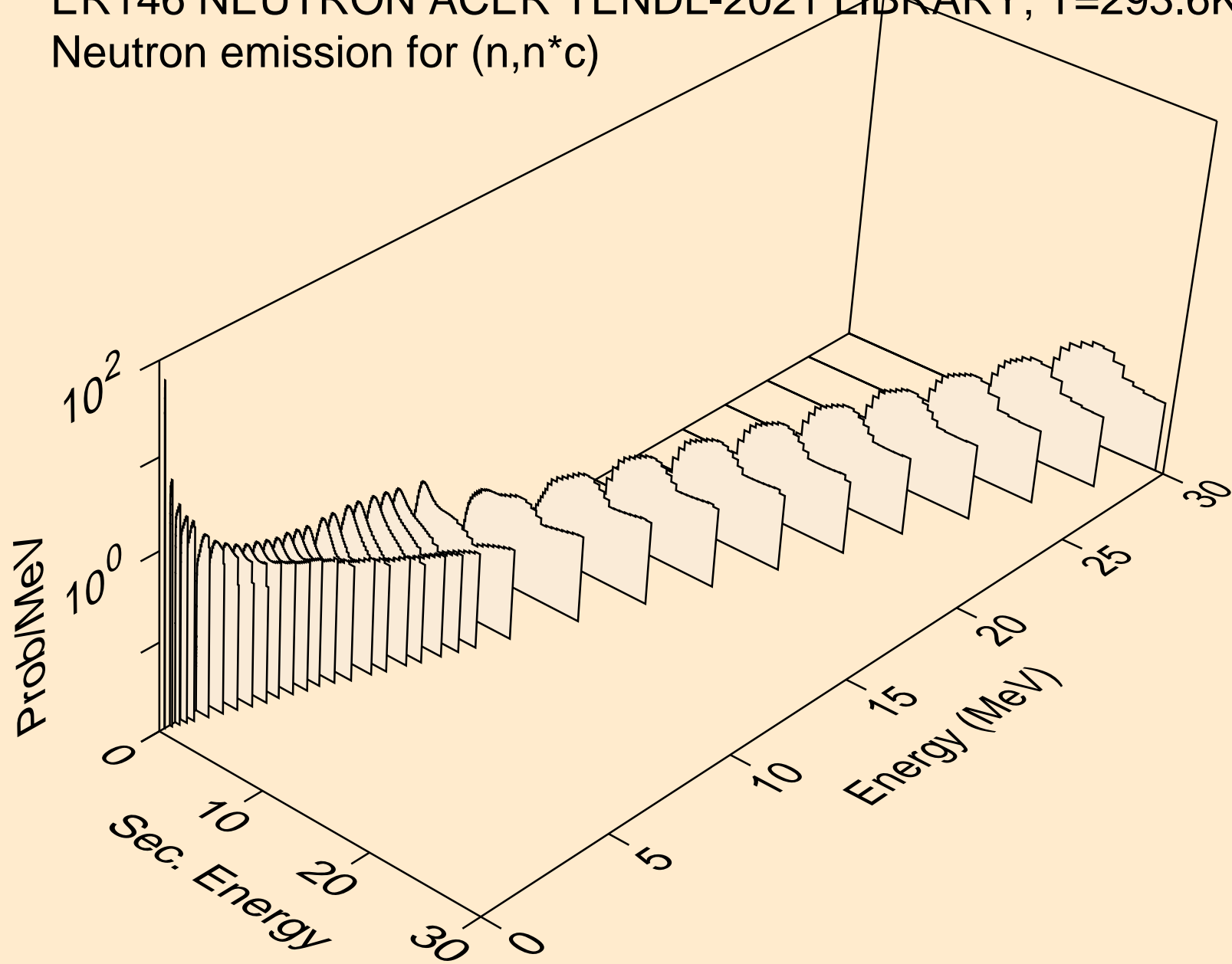
ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2np)



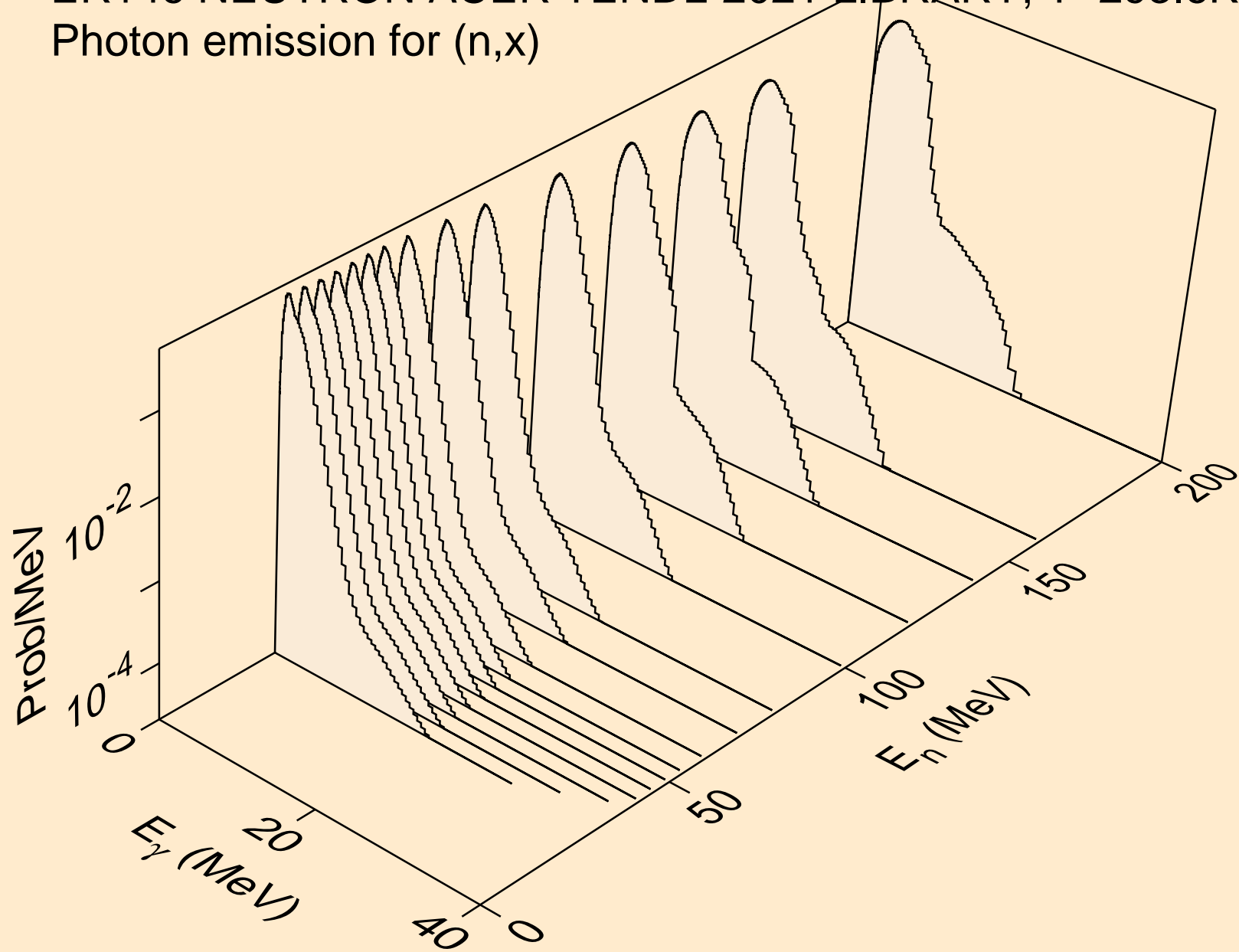
ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,npa)



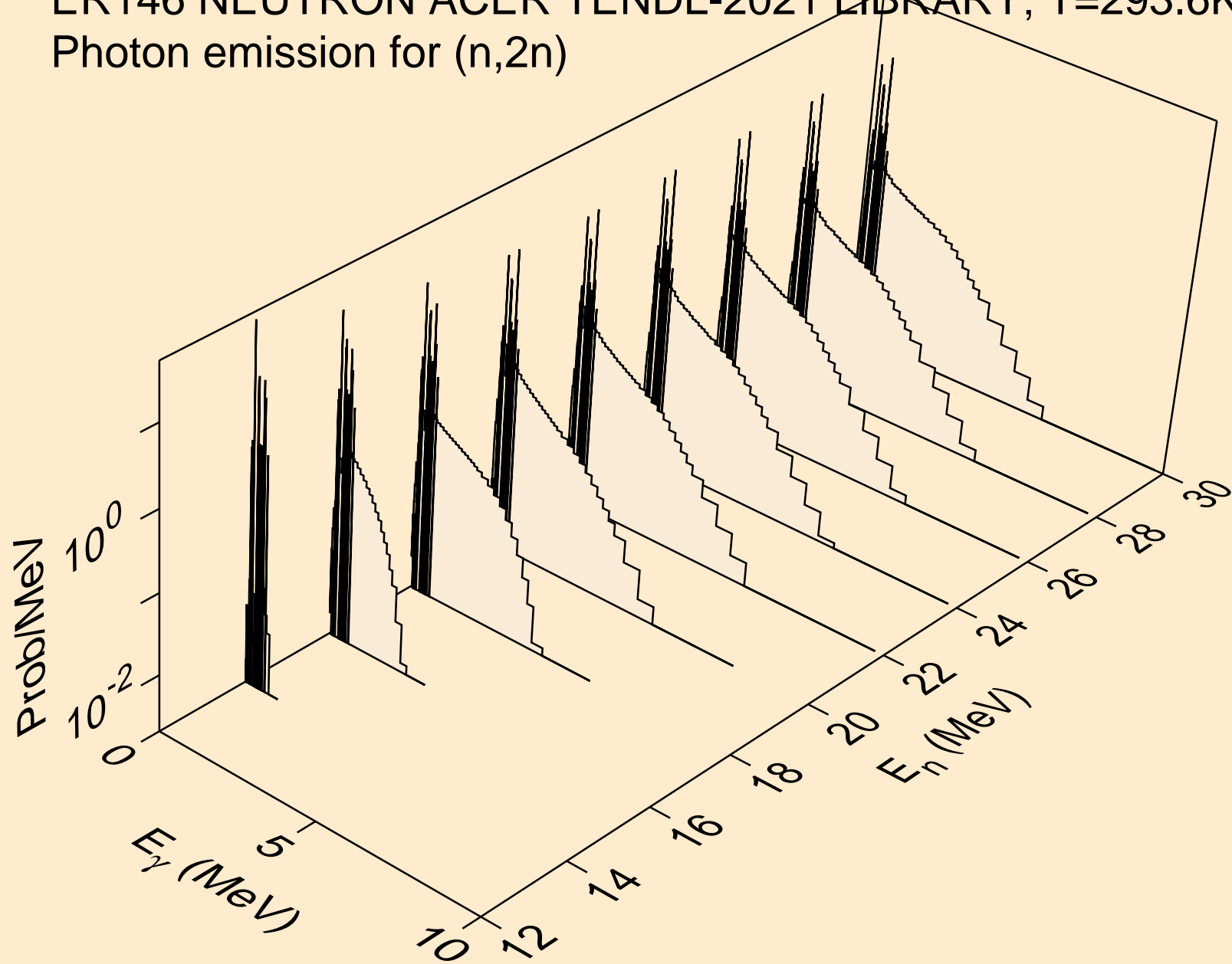
ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*c)



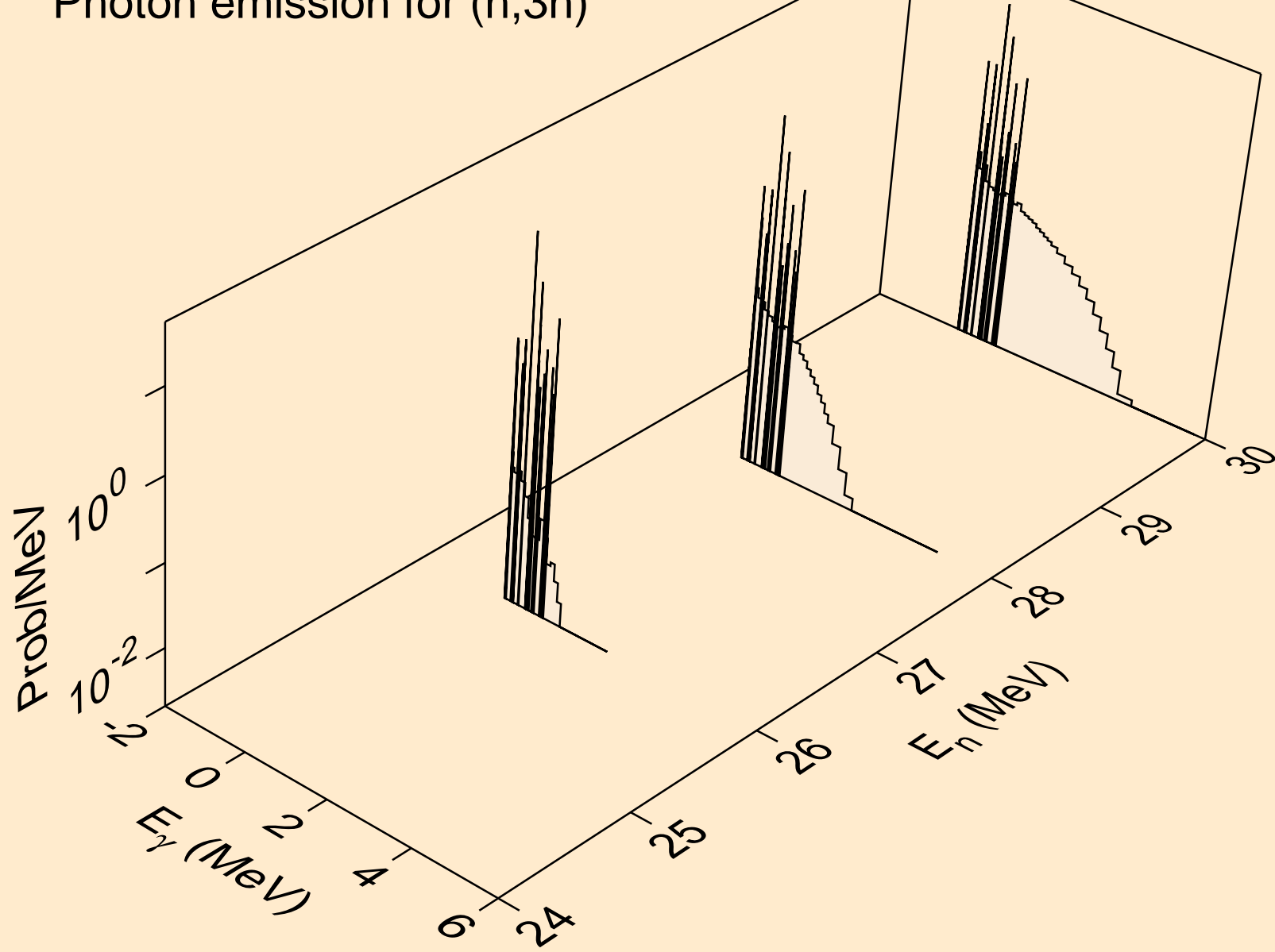
ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,x)



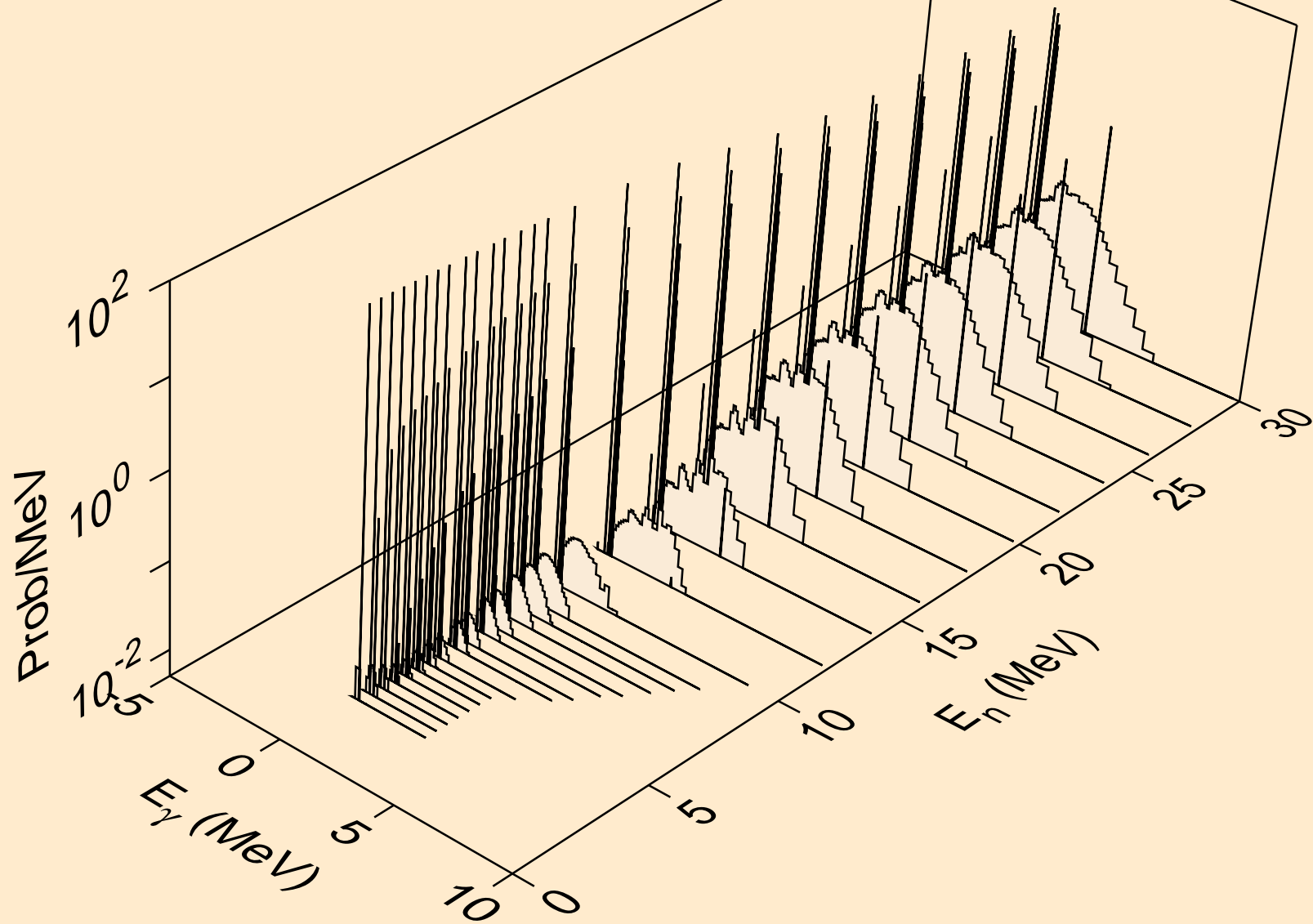
ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2n)



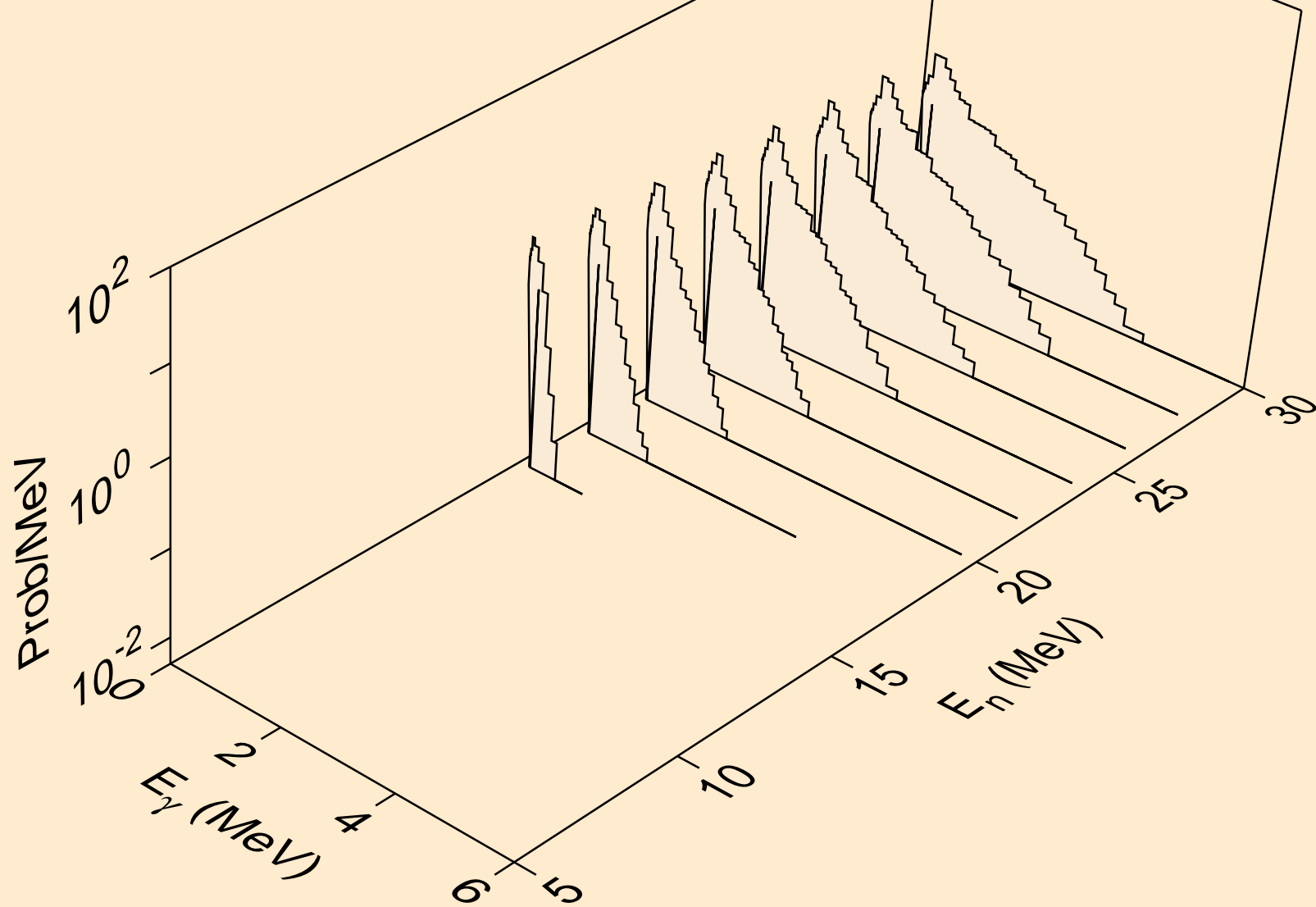
ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3n)



ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)a

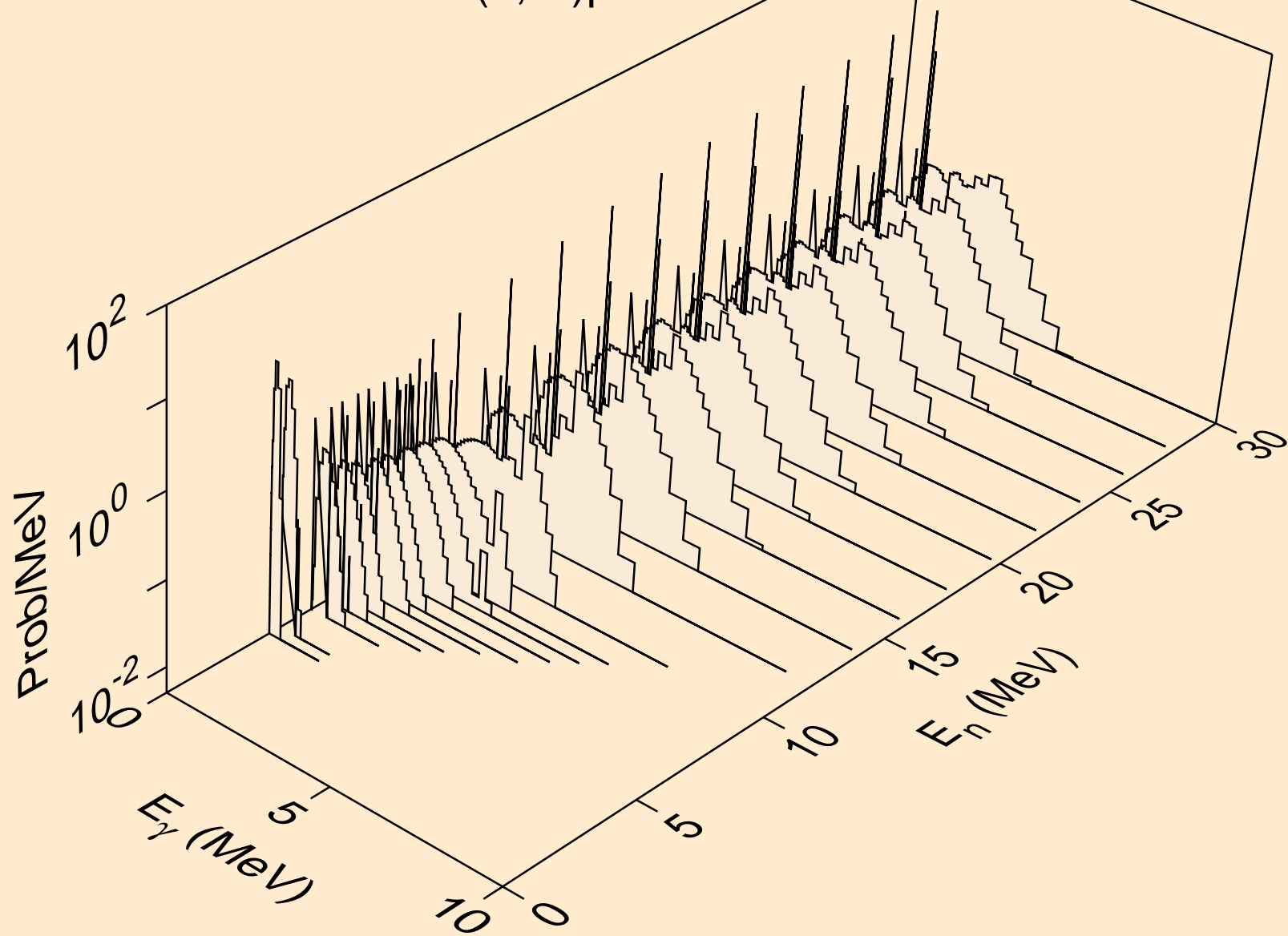


ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2n)a

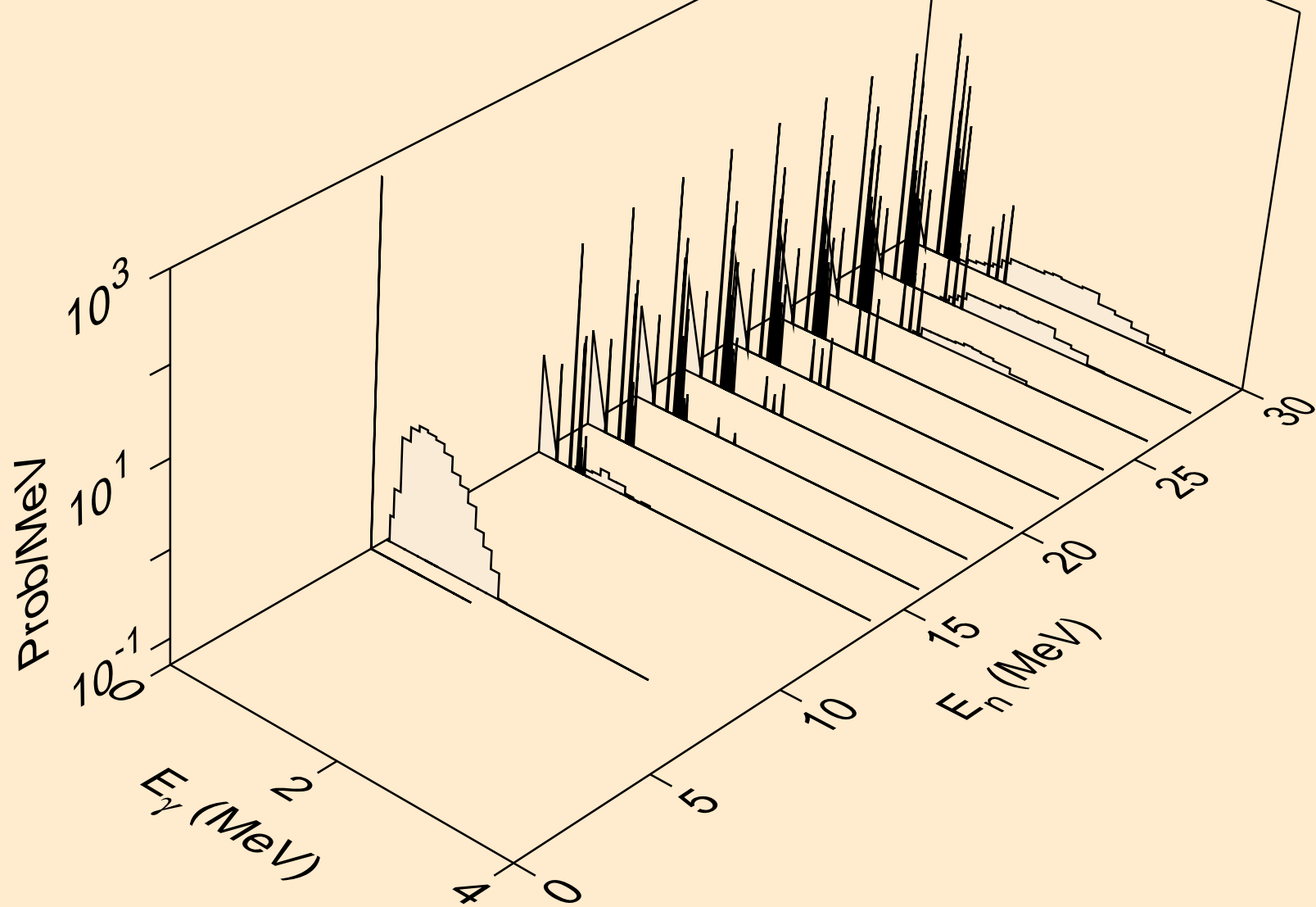




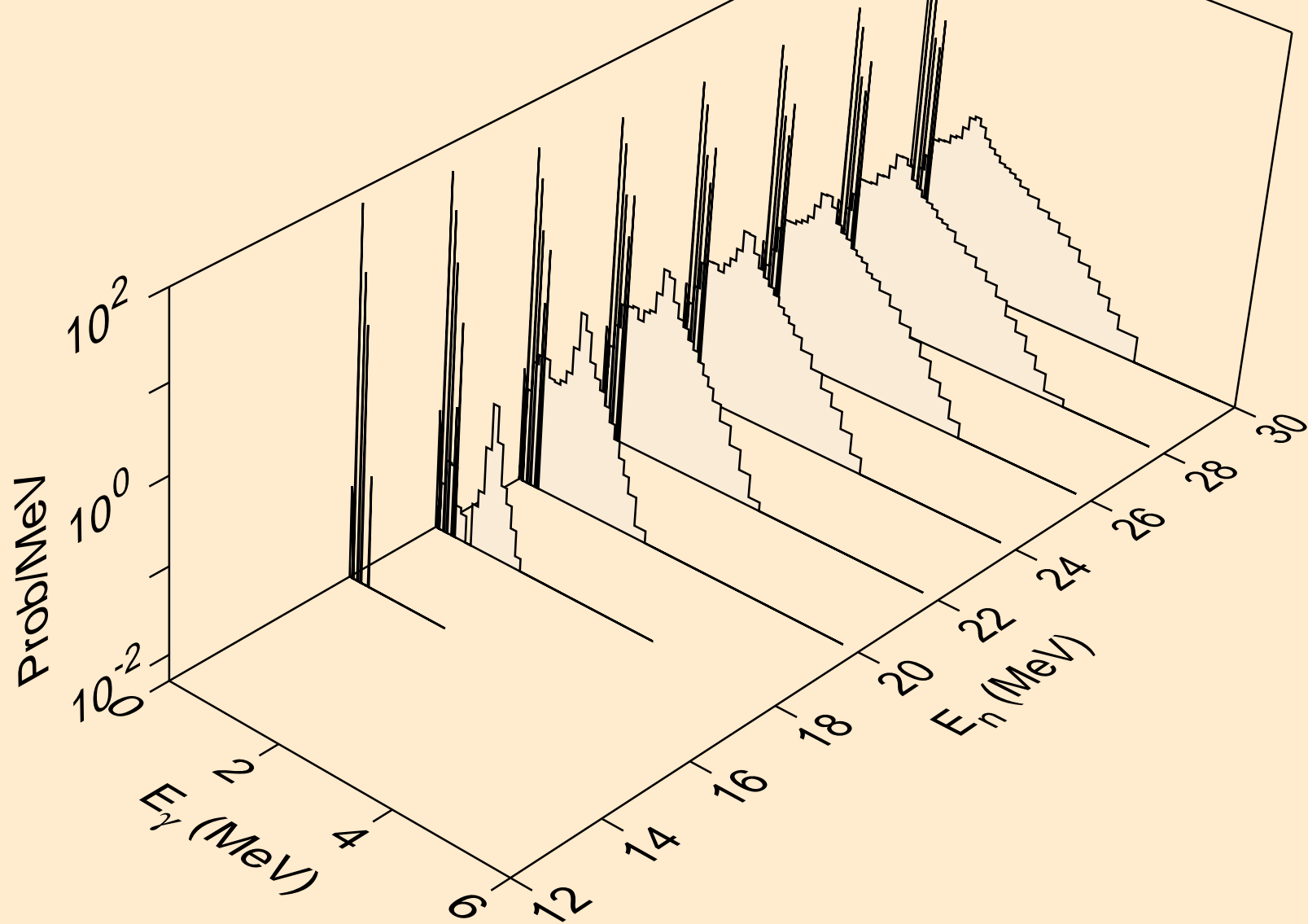
ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)p



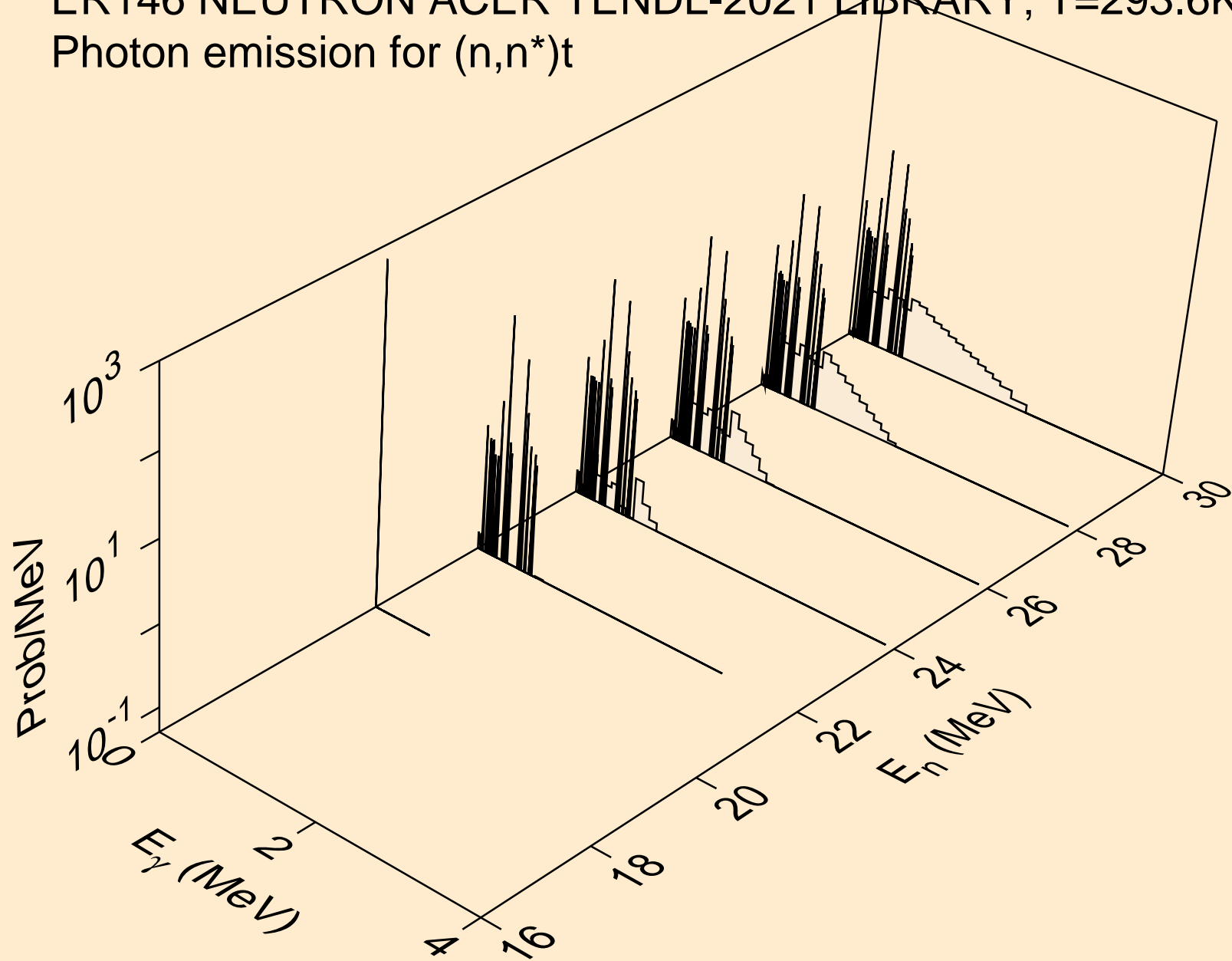
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Photon emission for (n,n\*)2a



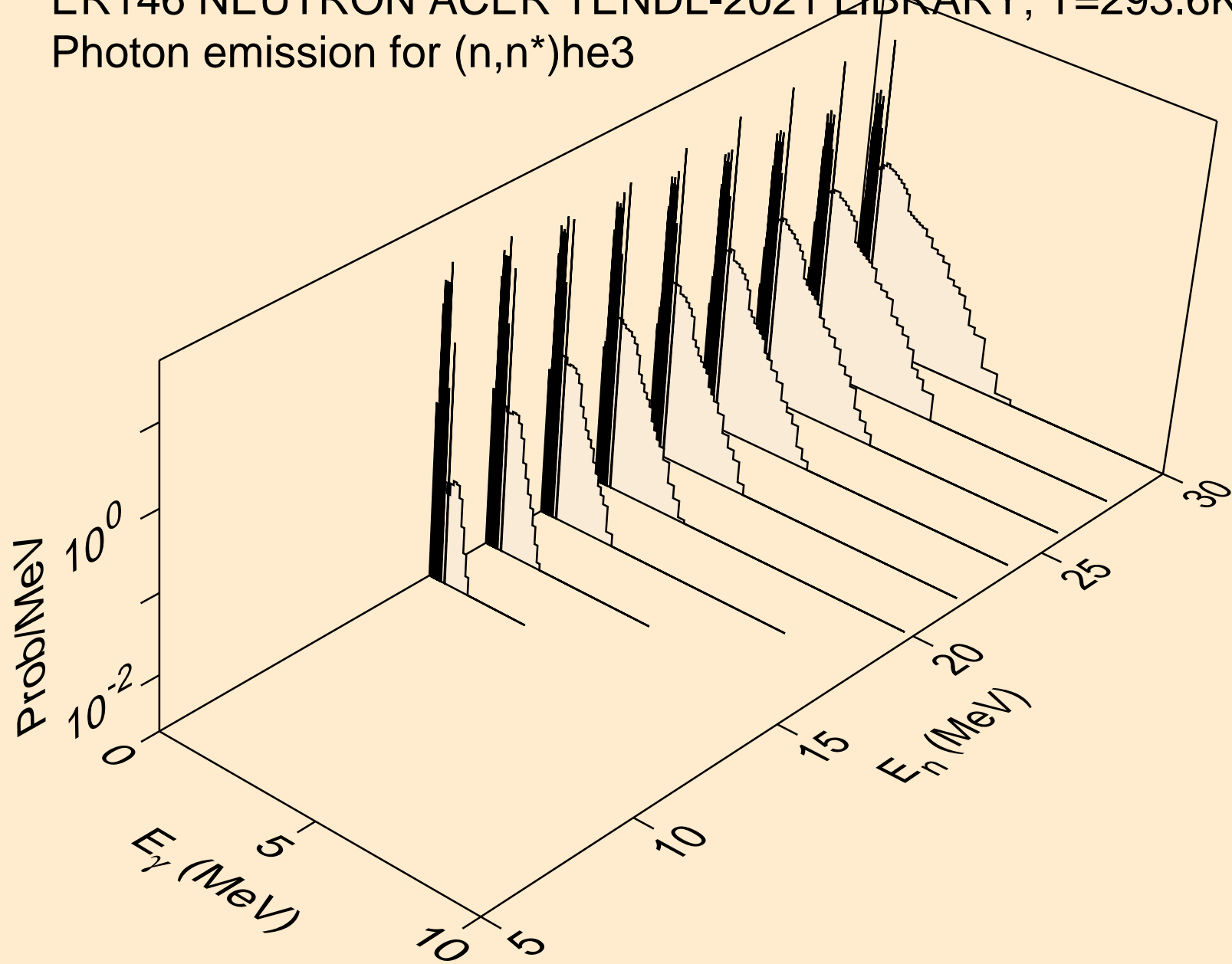
ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)d



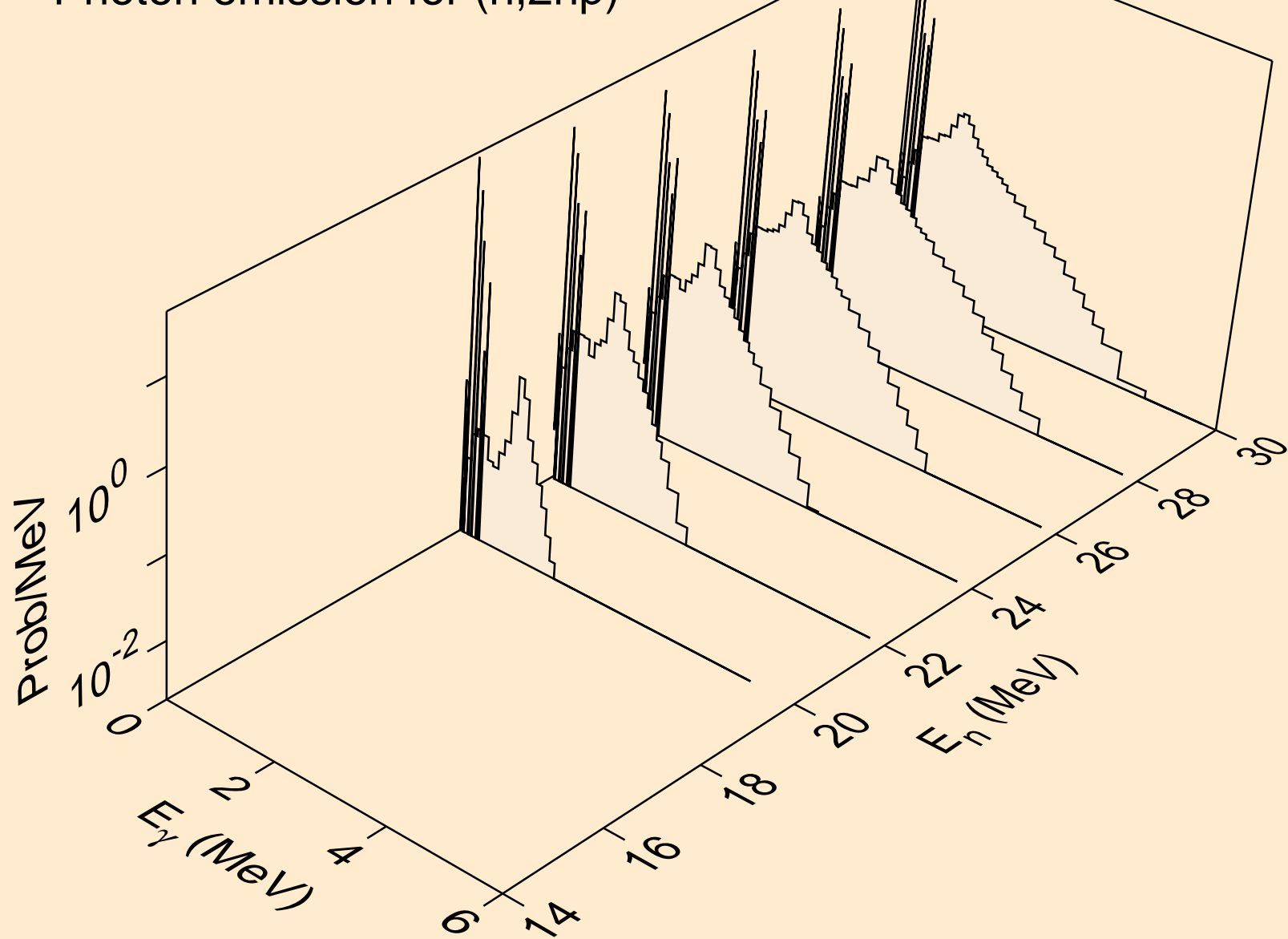
ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)t



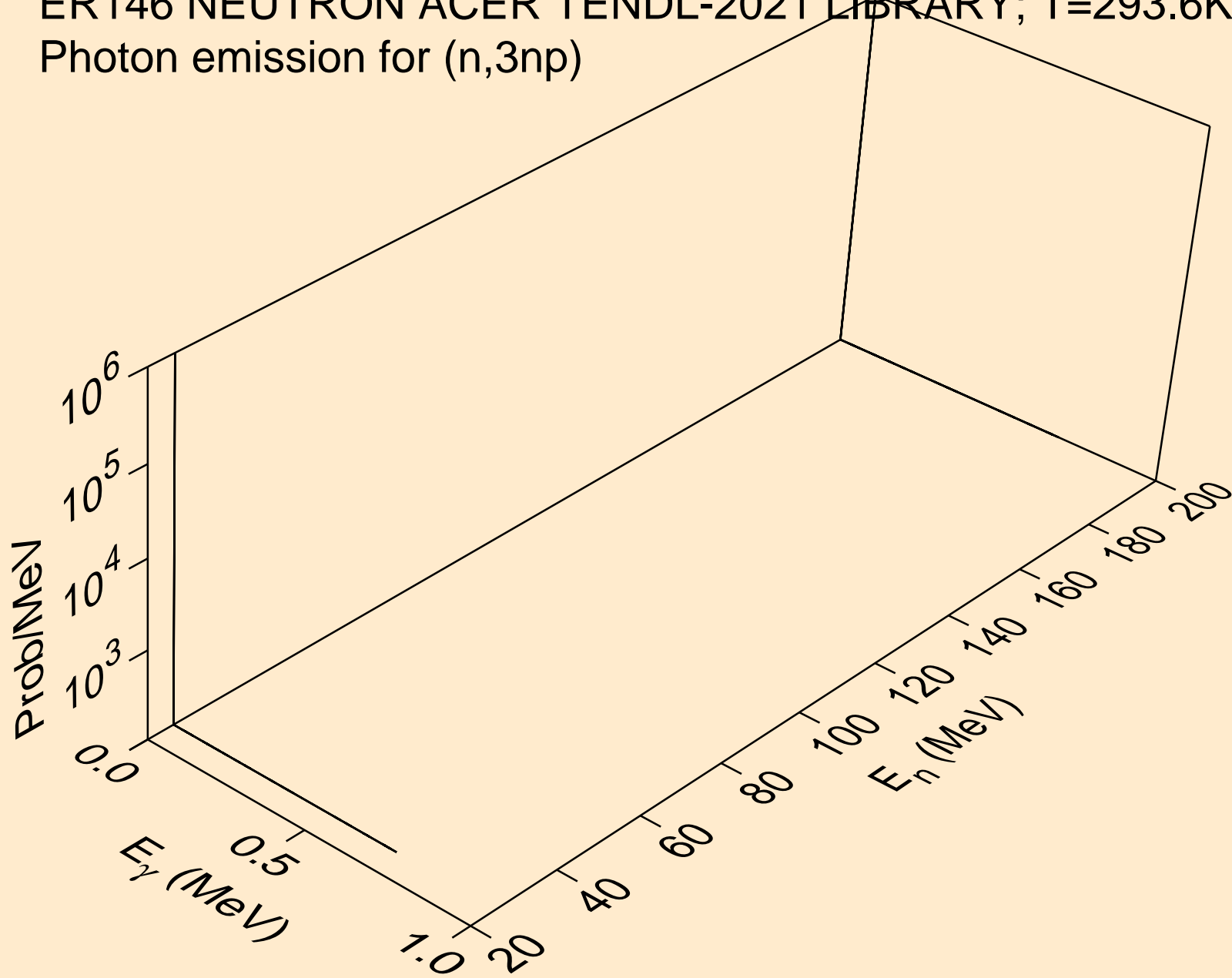
ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)he3



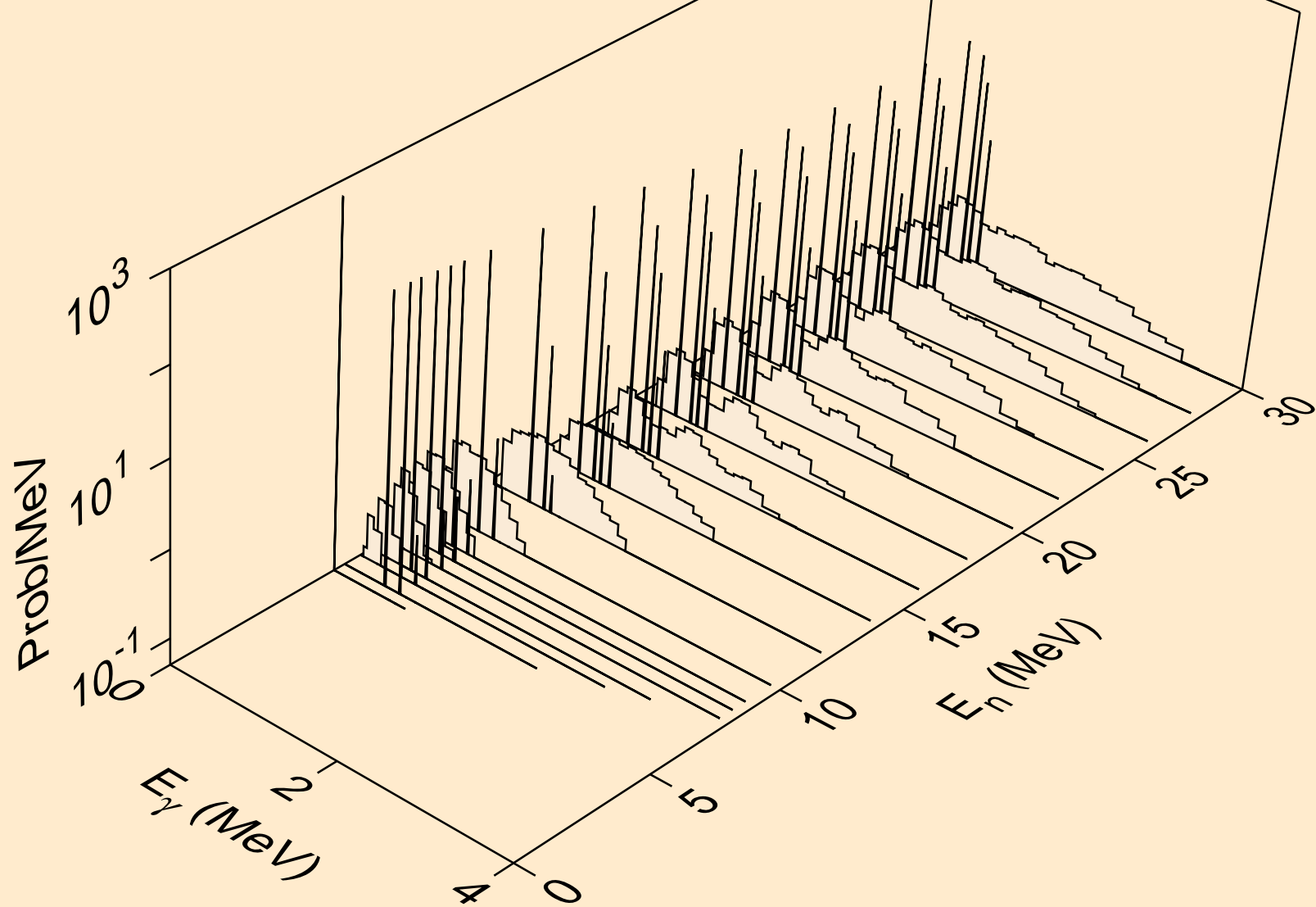
ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2np)



ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3np)

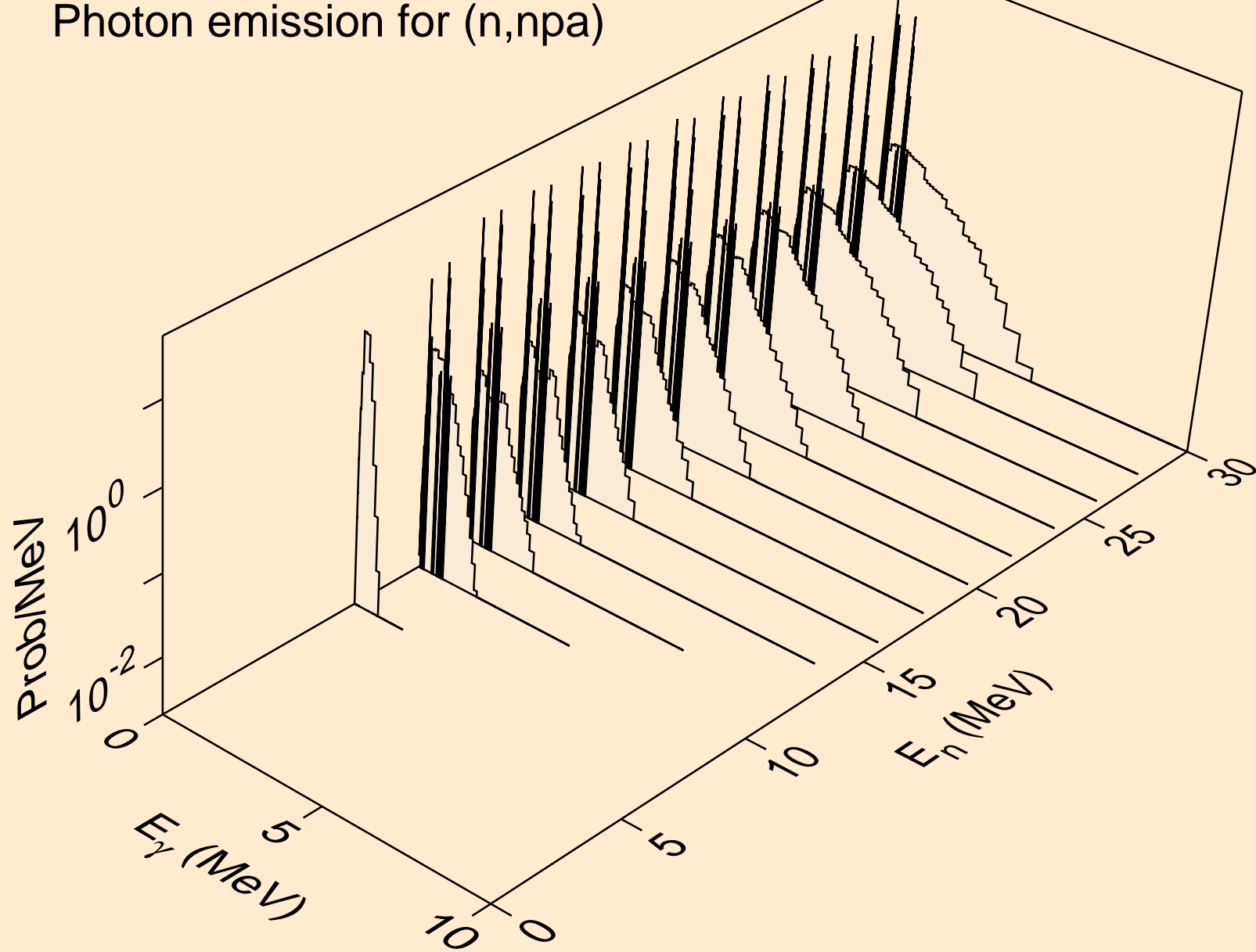


ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2np)

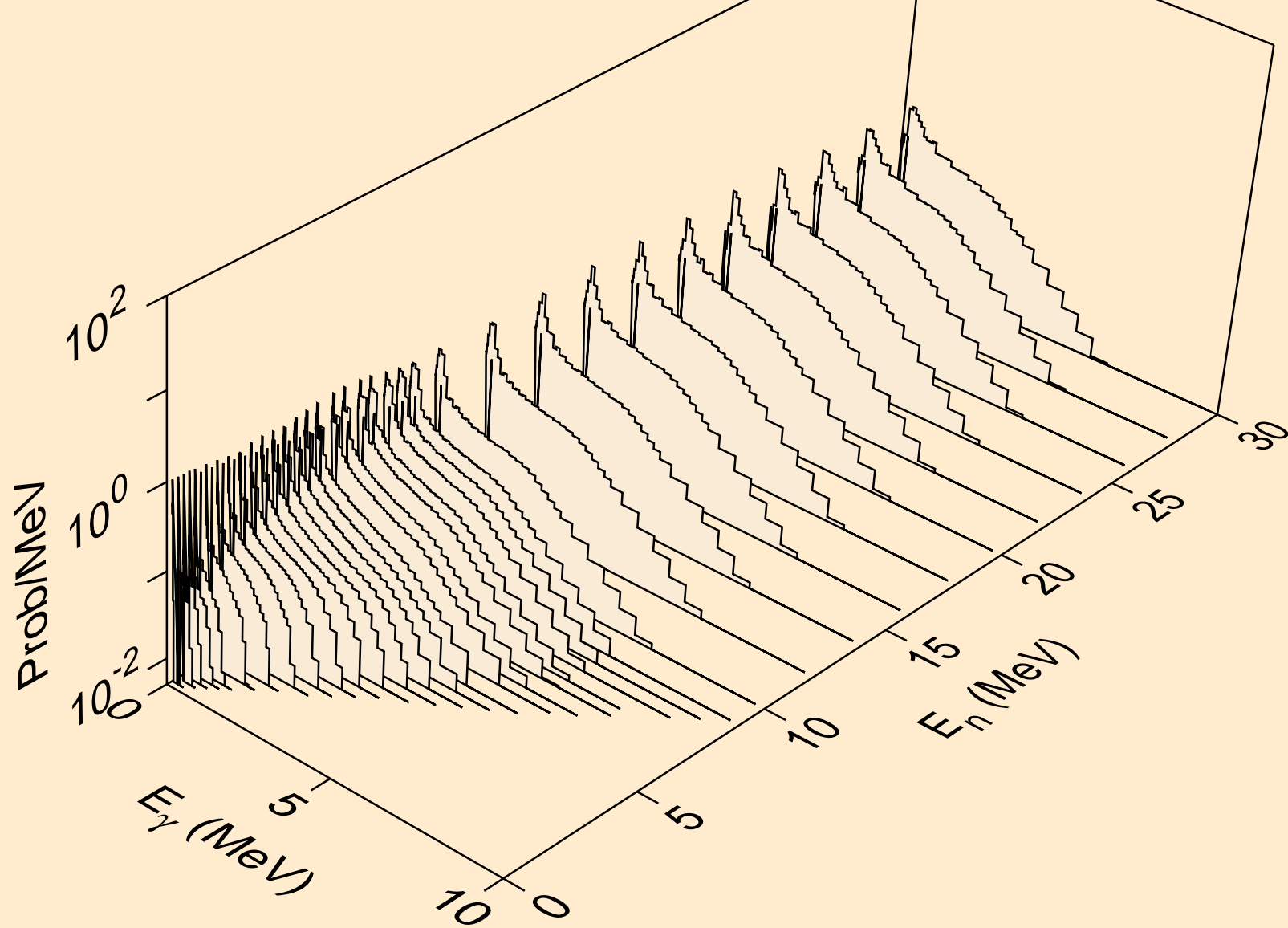




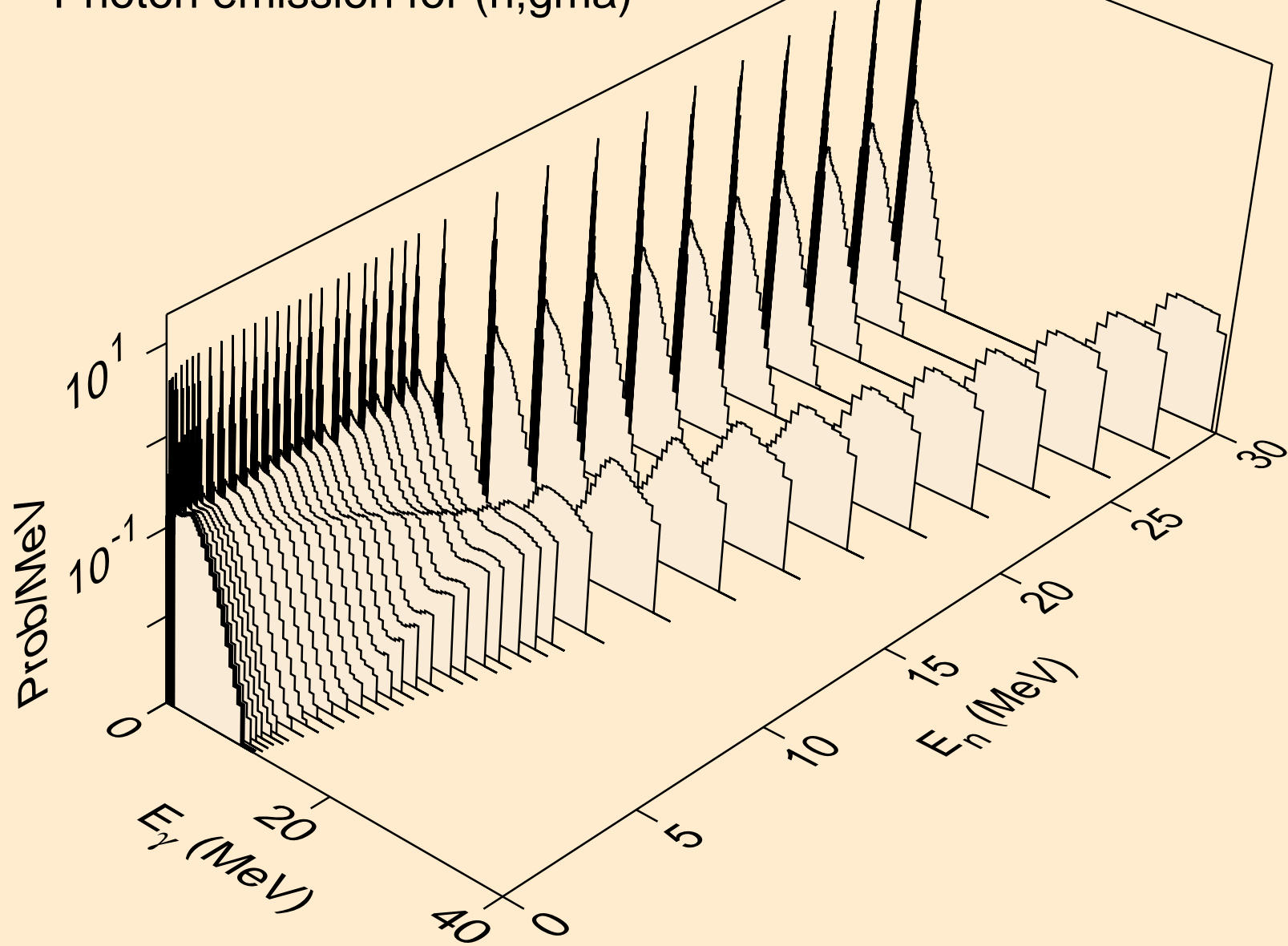
ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,npa)



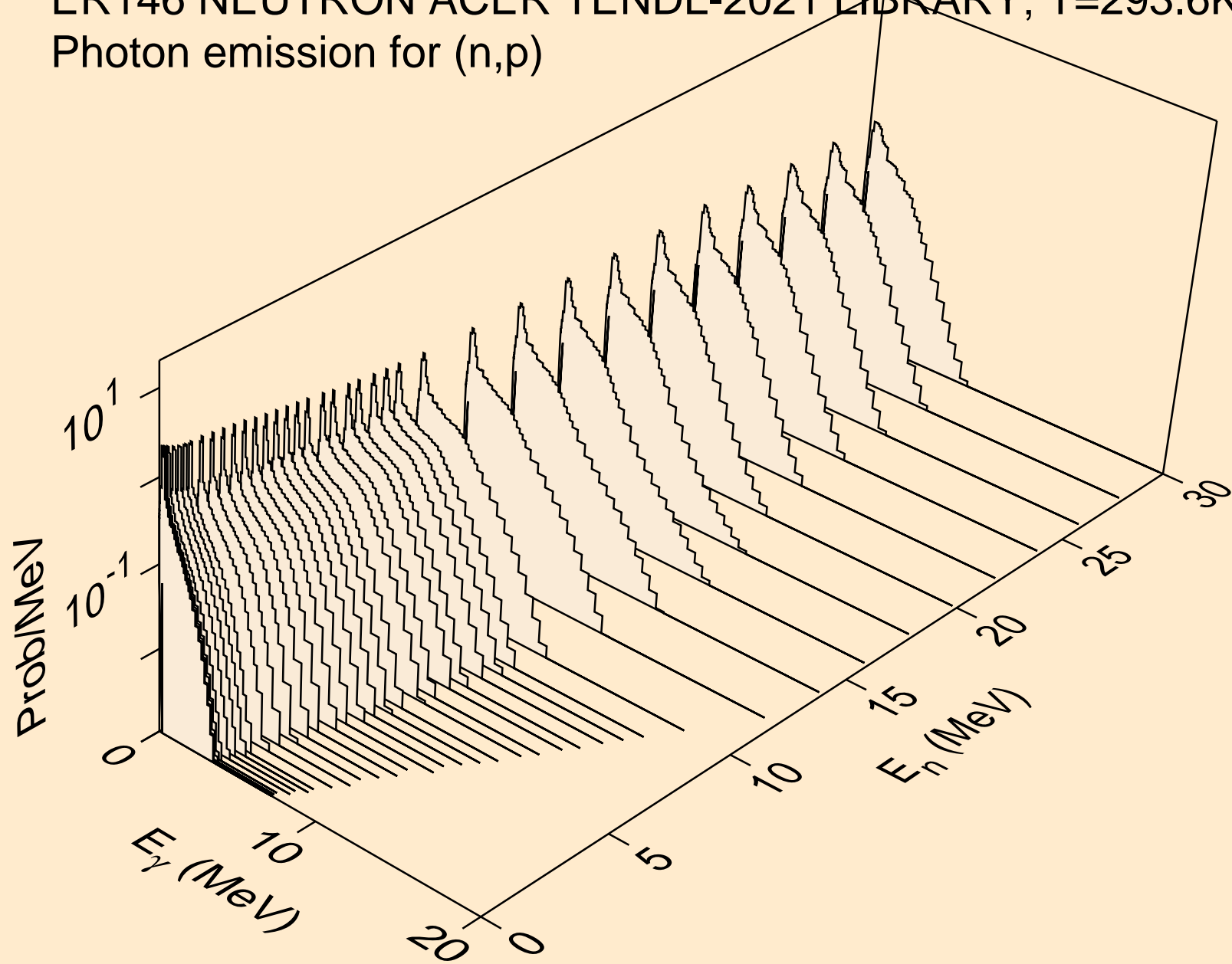
ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*c)



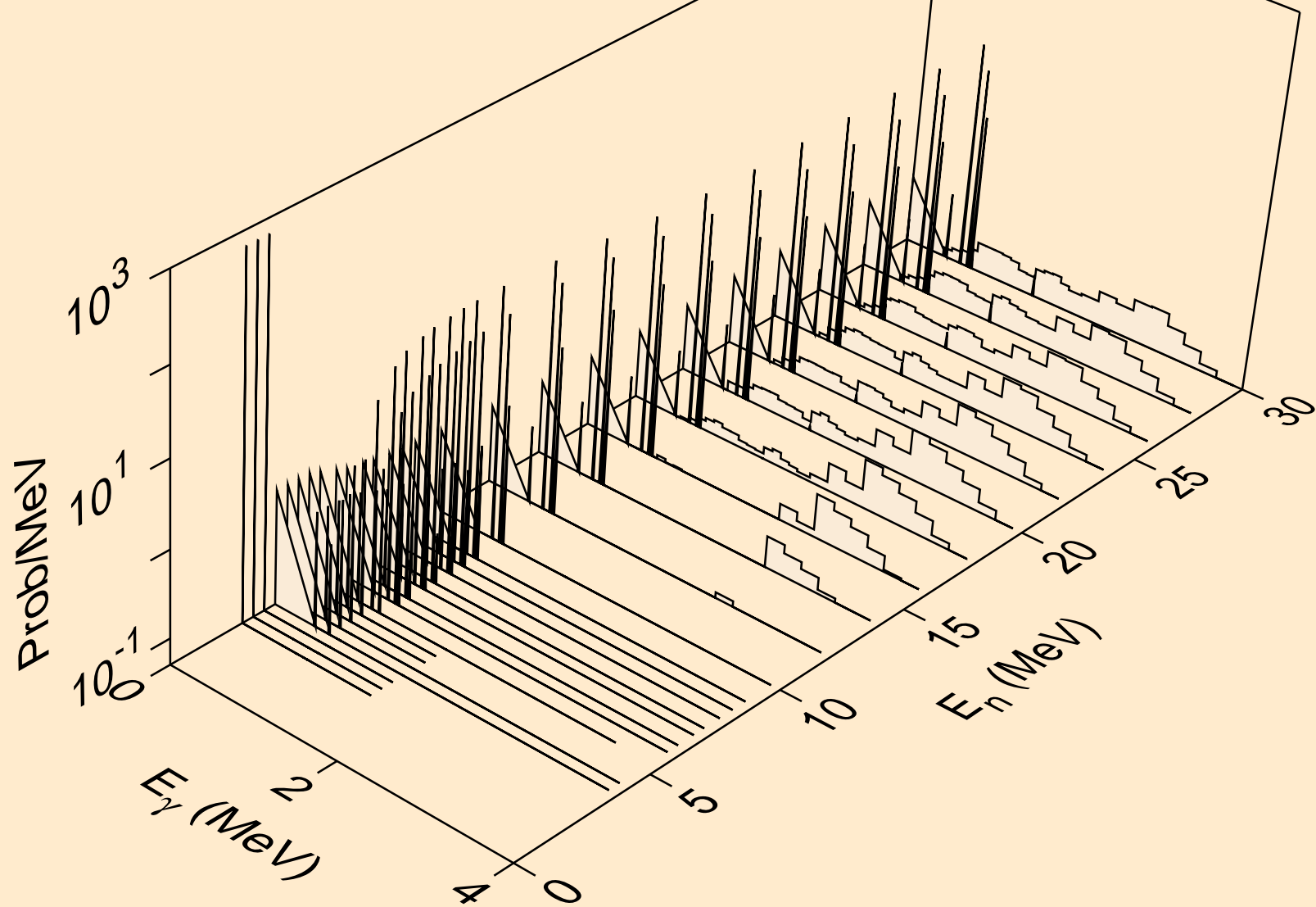
ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,gma)



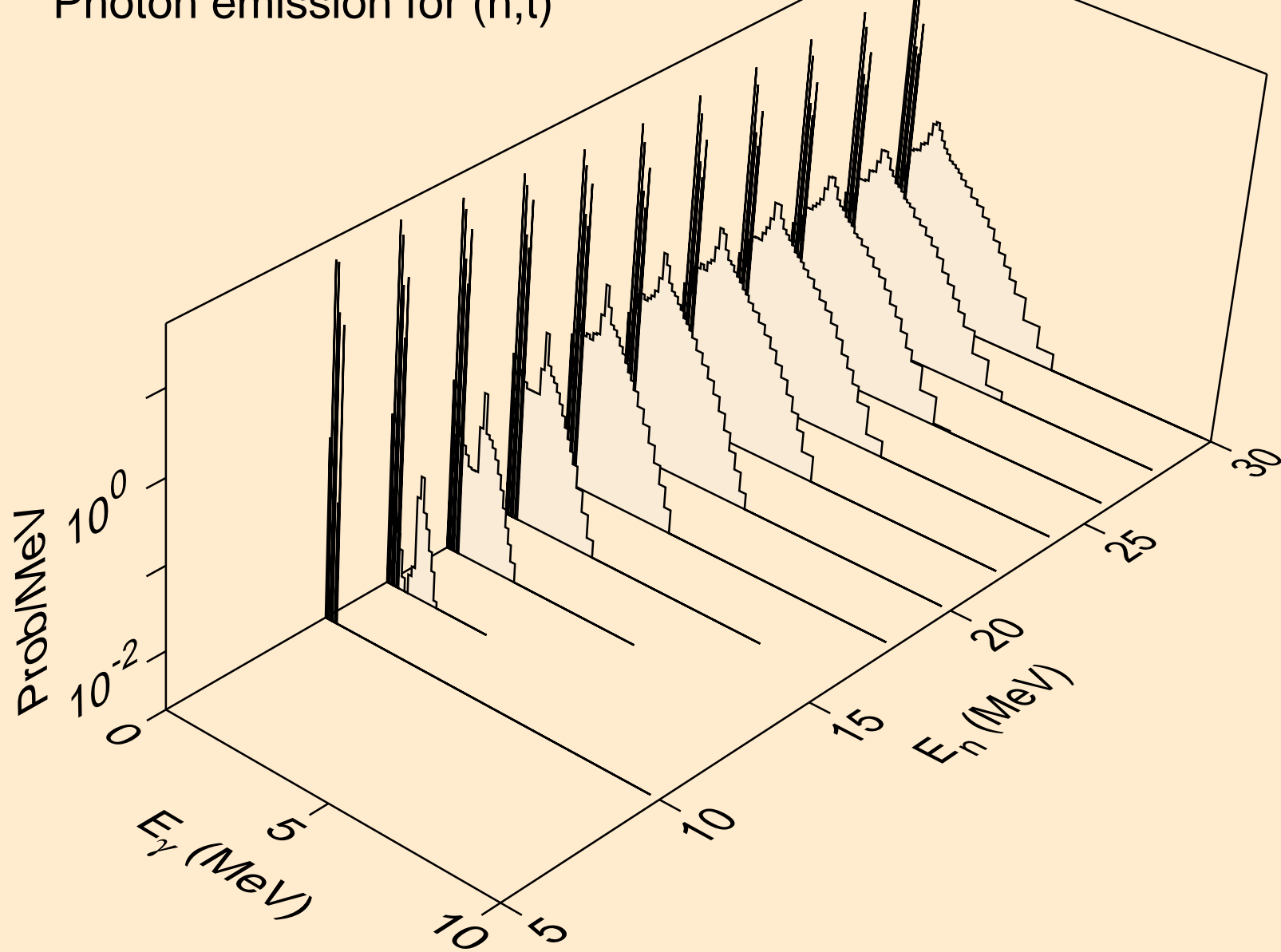
ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,p)



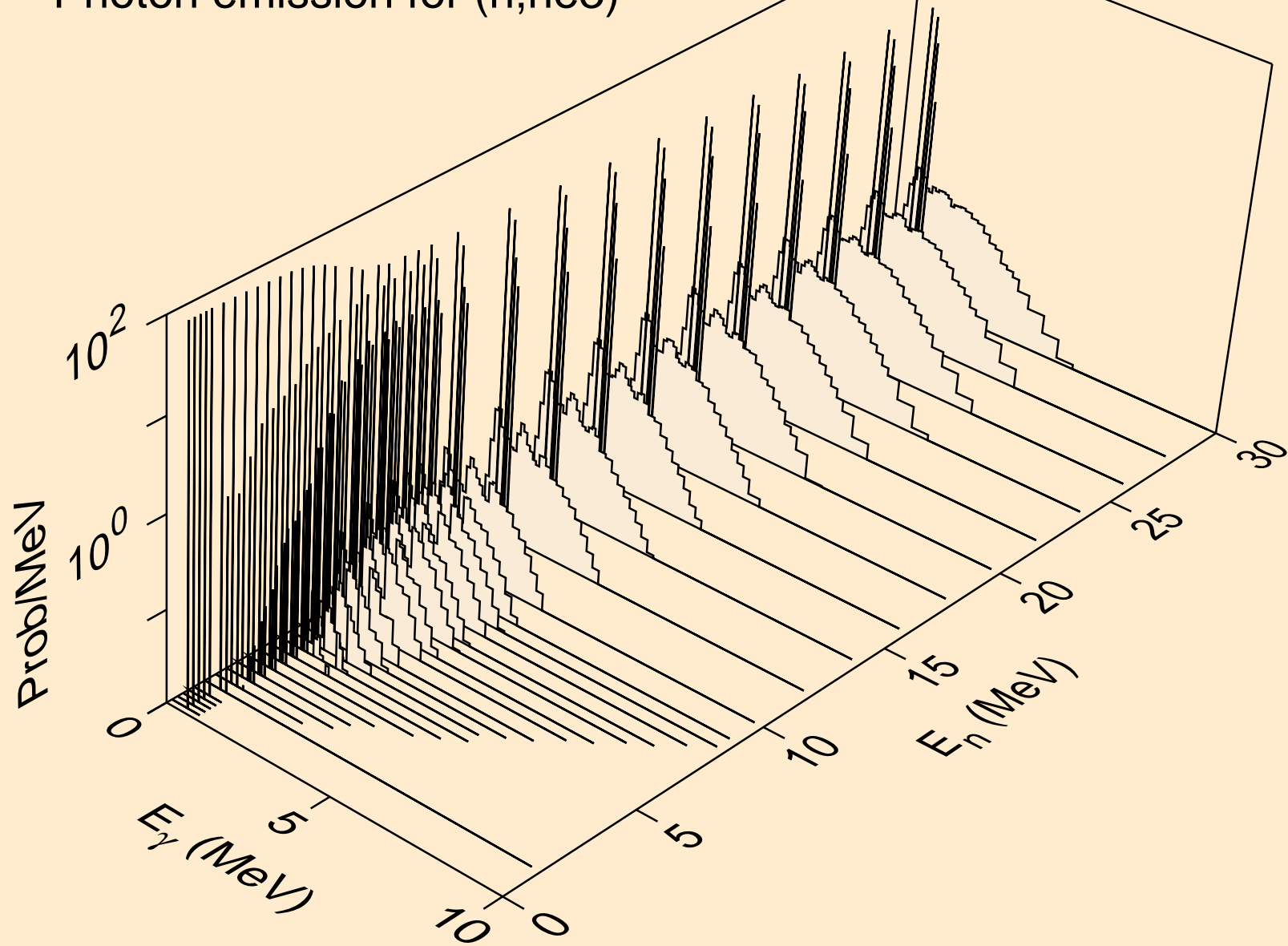
ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,d)



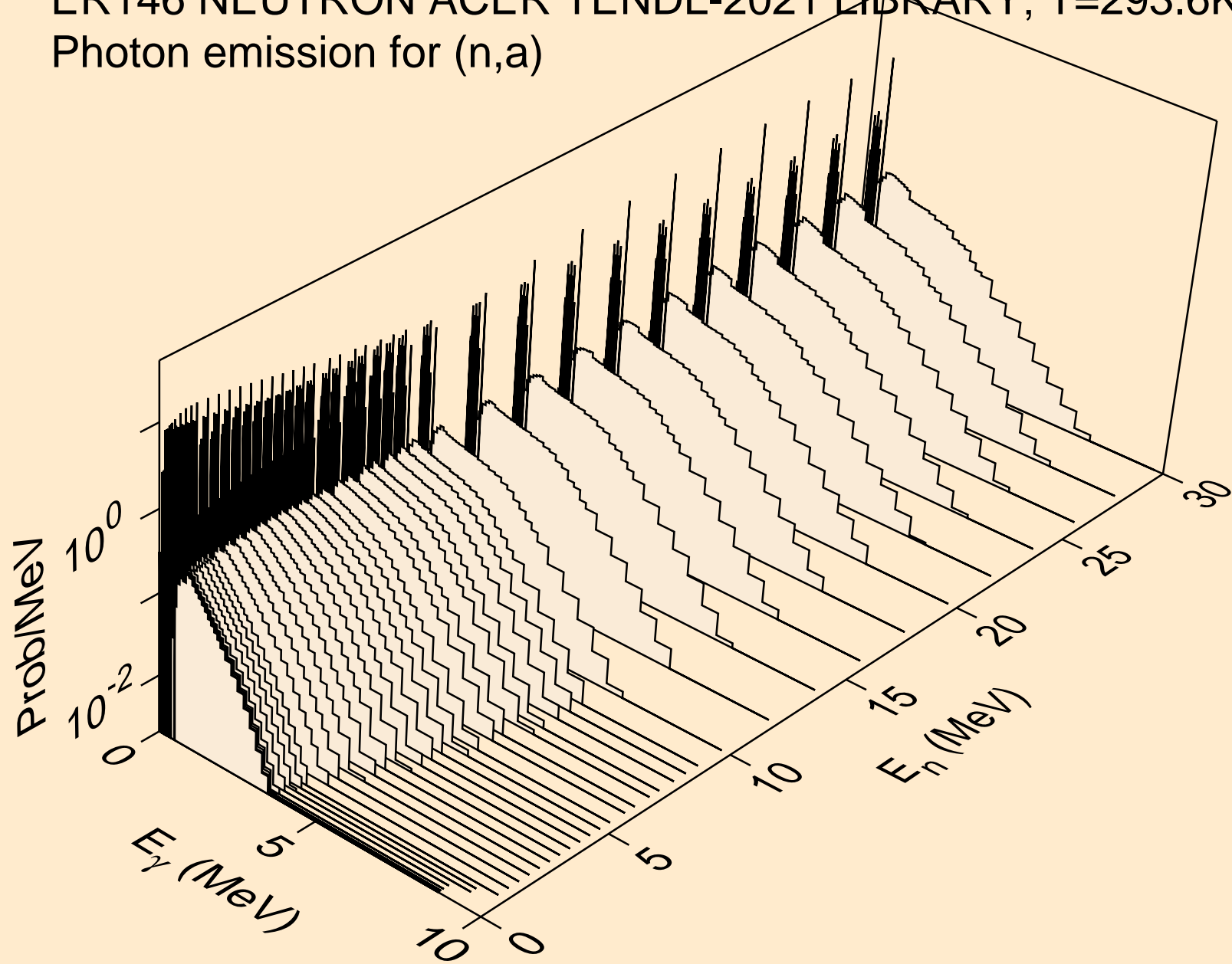
ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,t)



ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,he3)

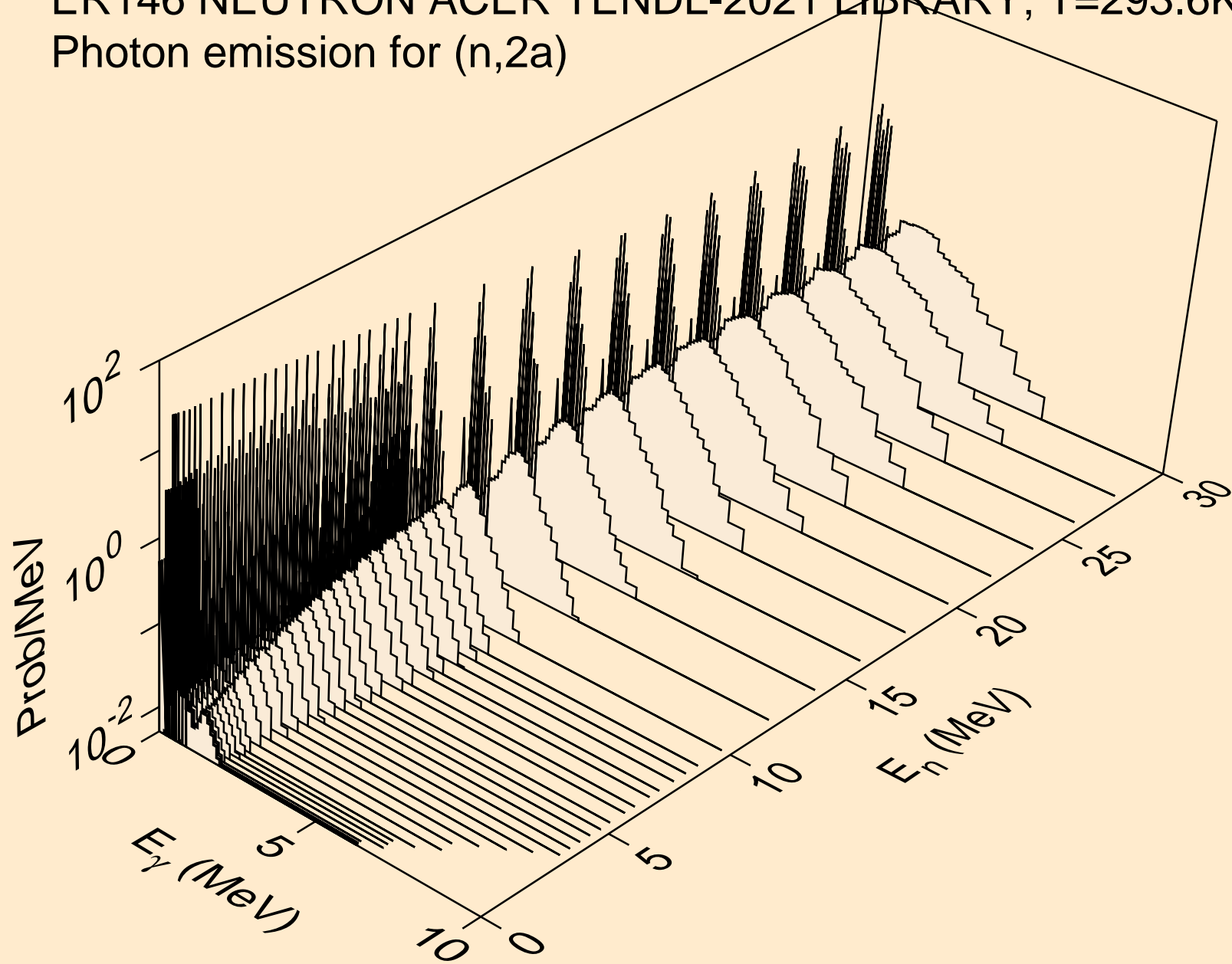


ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,a)

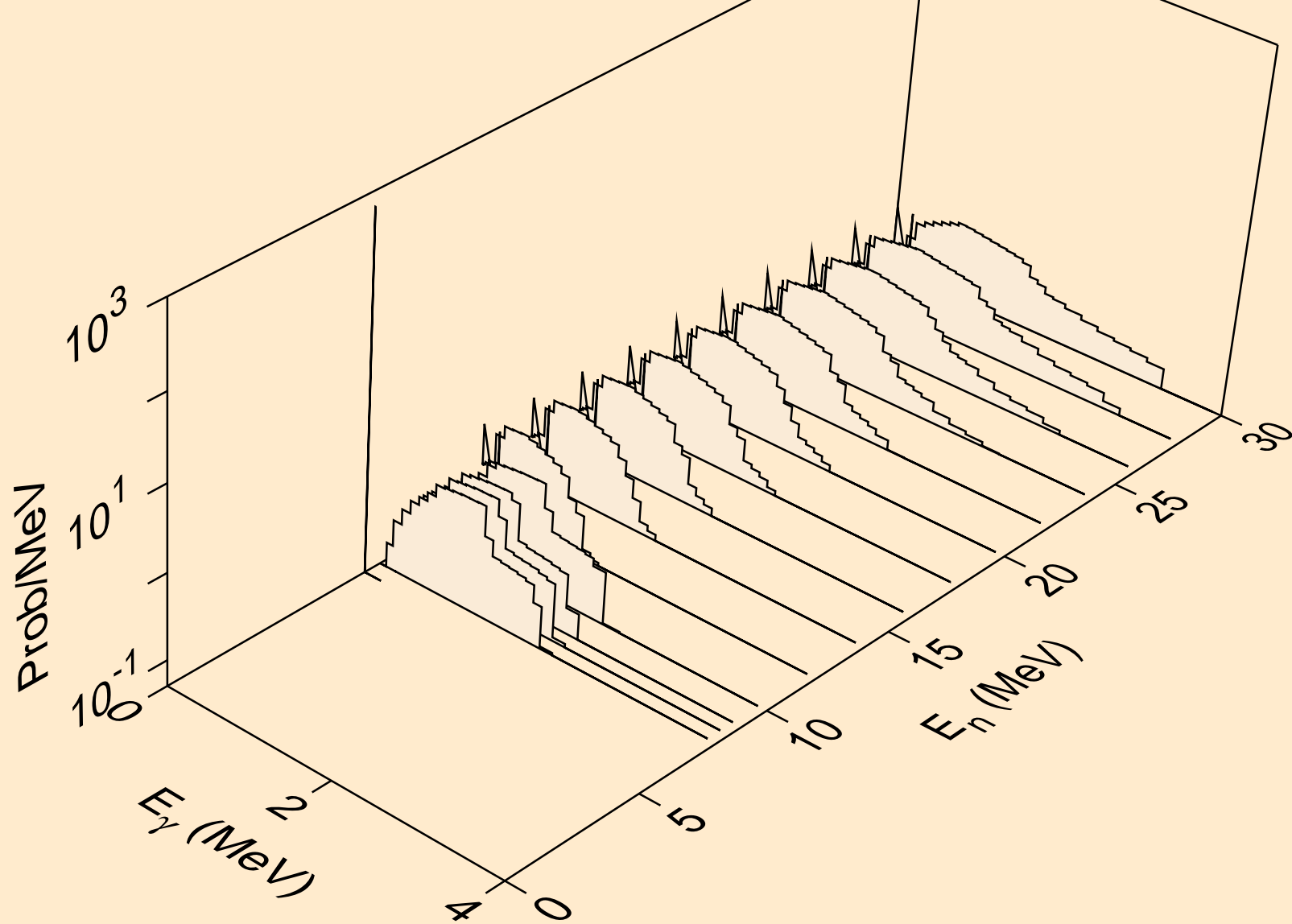




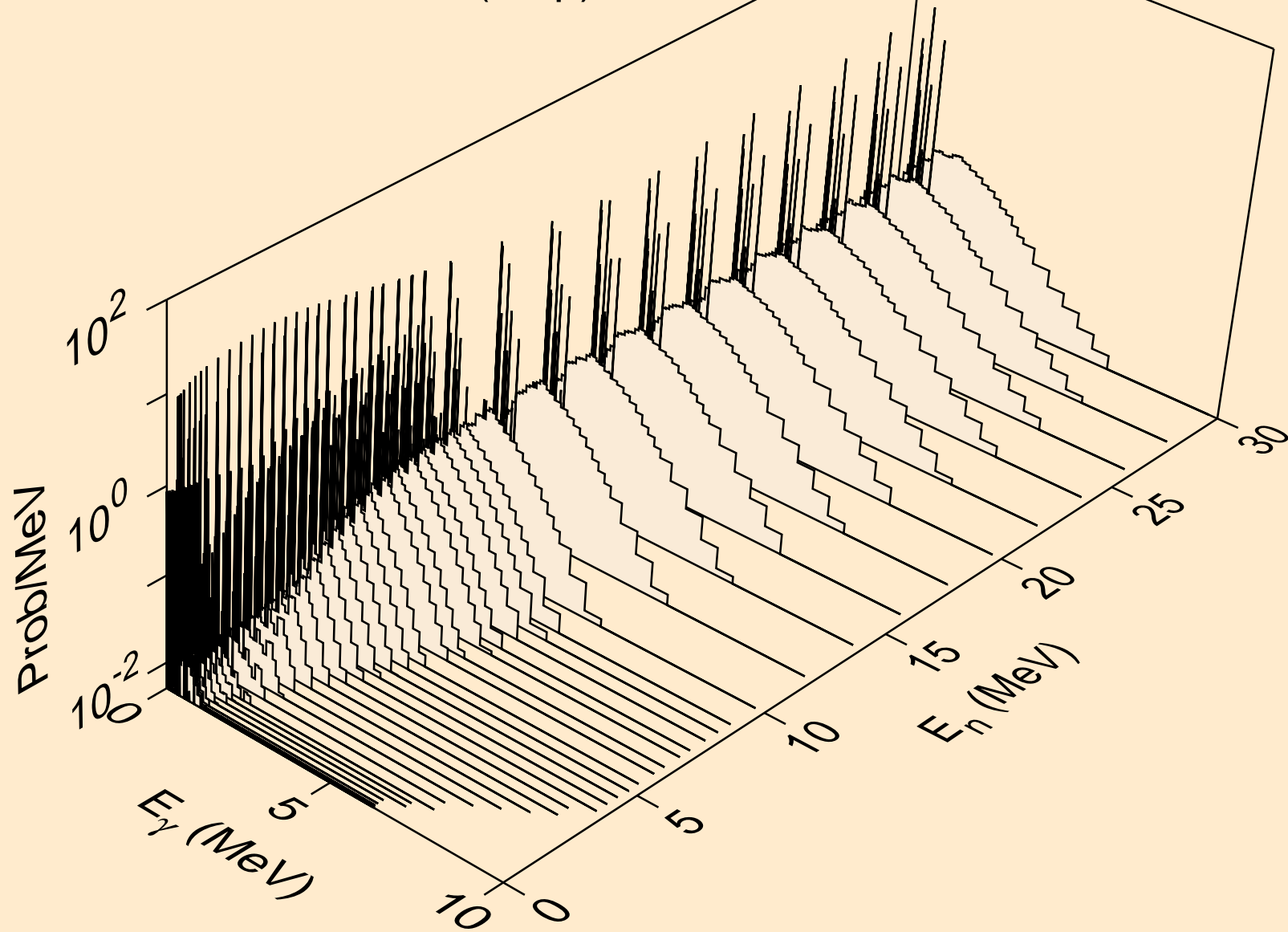
ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2a)



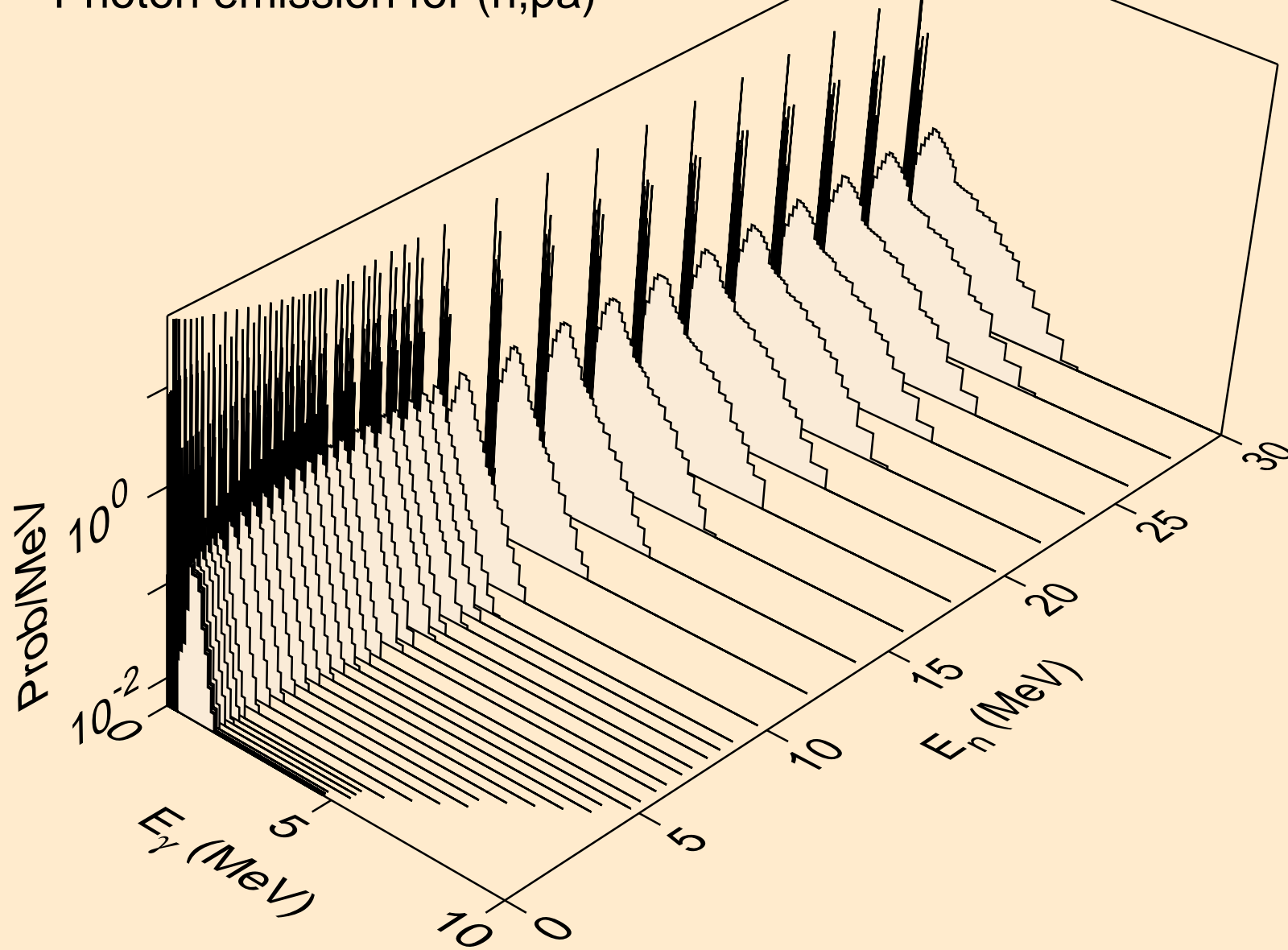
ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3a)



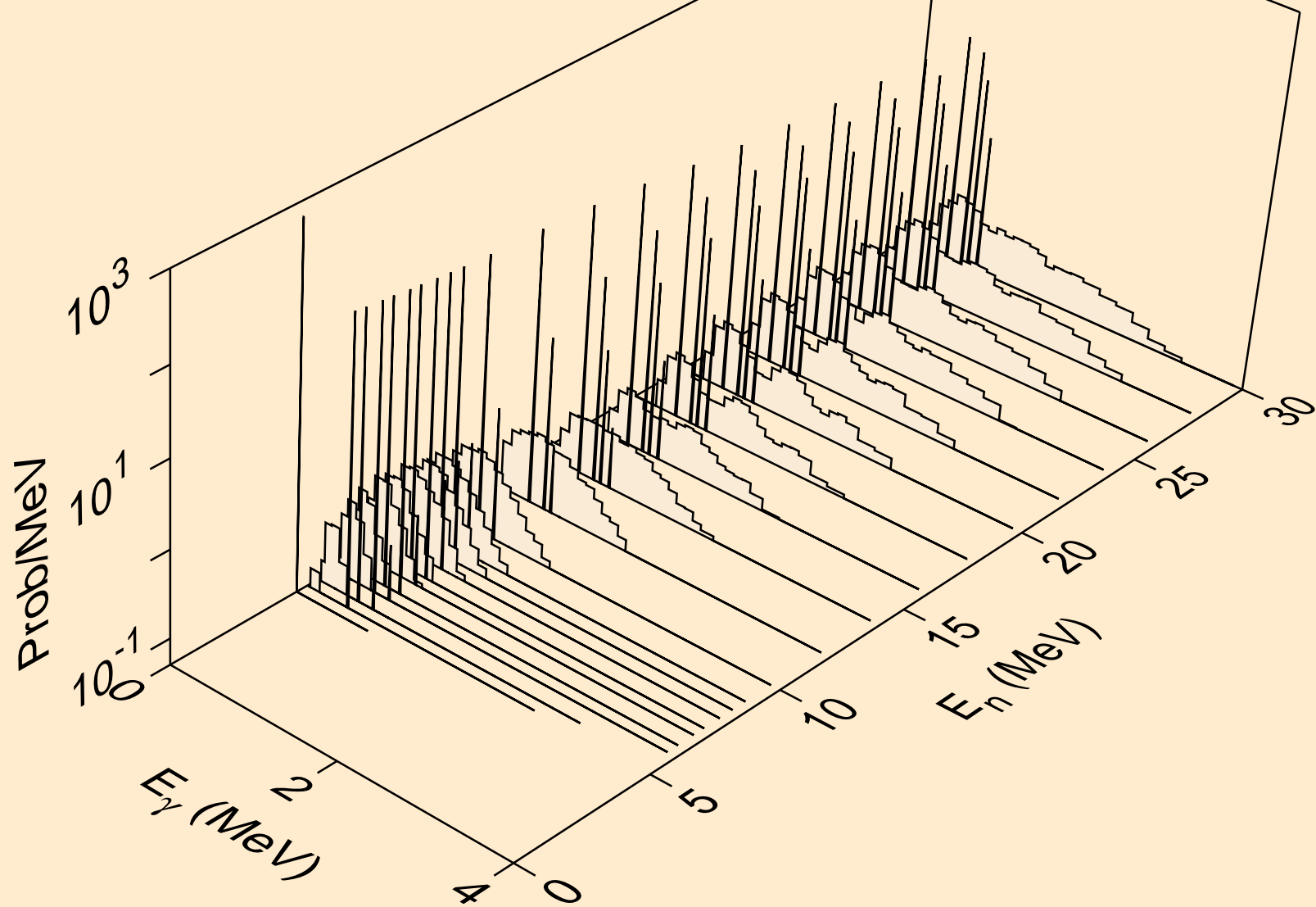
ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2p)



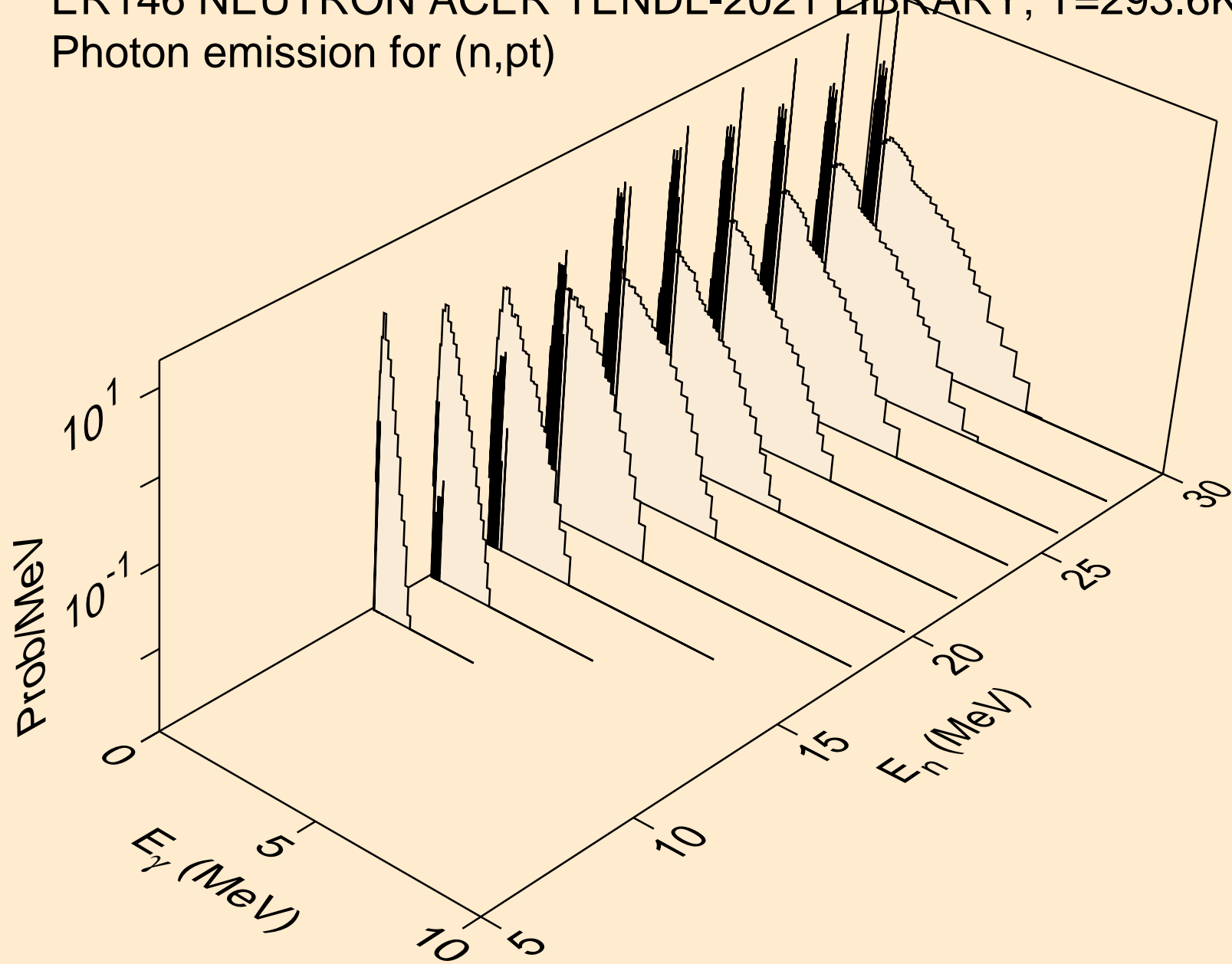
ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,p $\alpha$ )



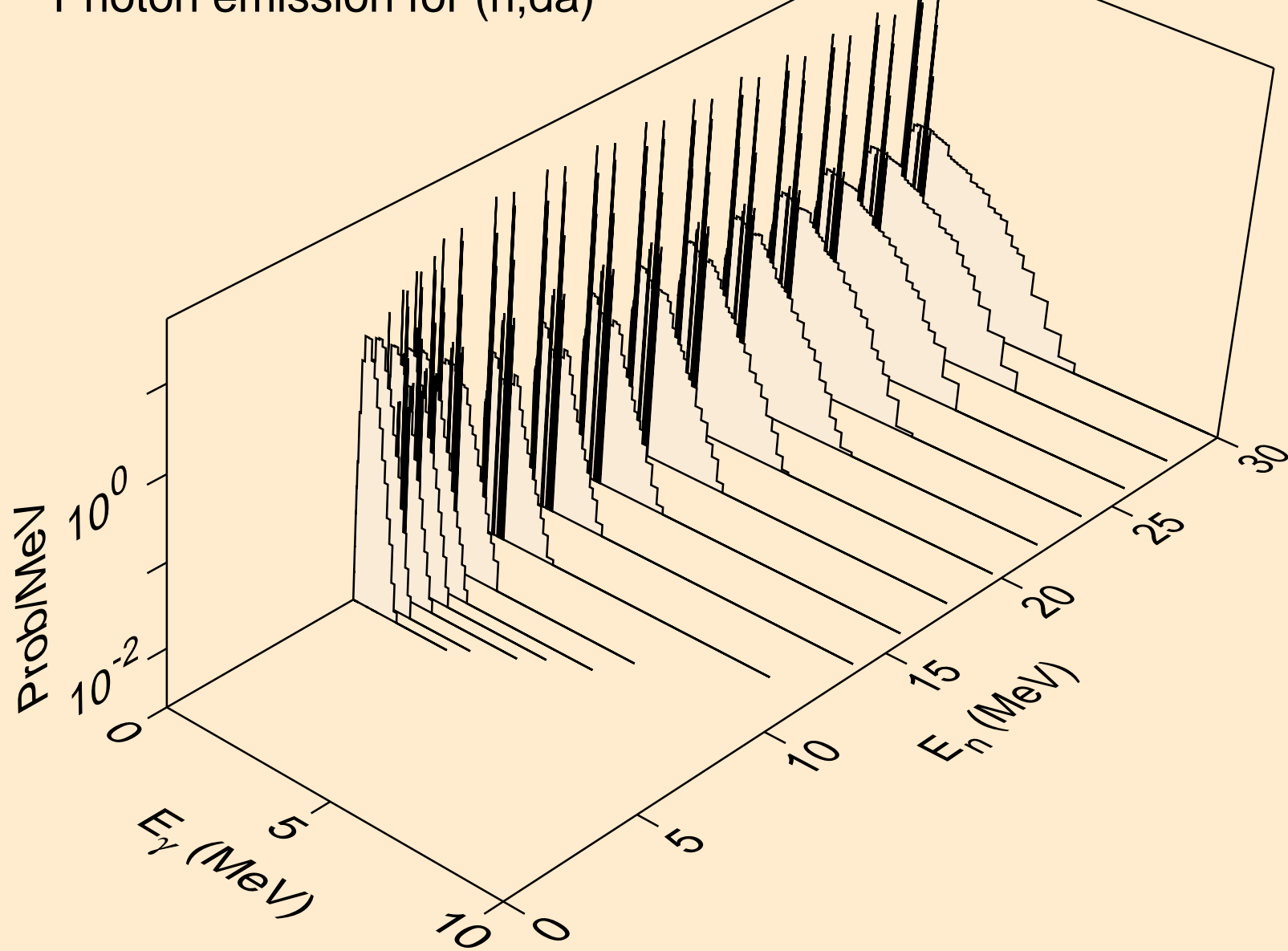
ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,pd)



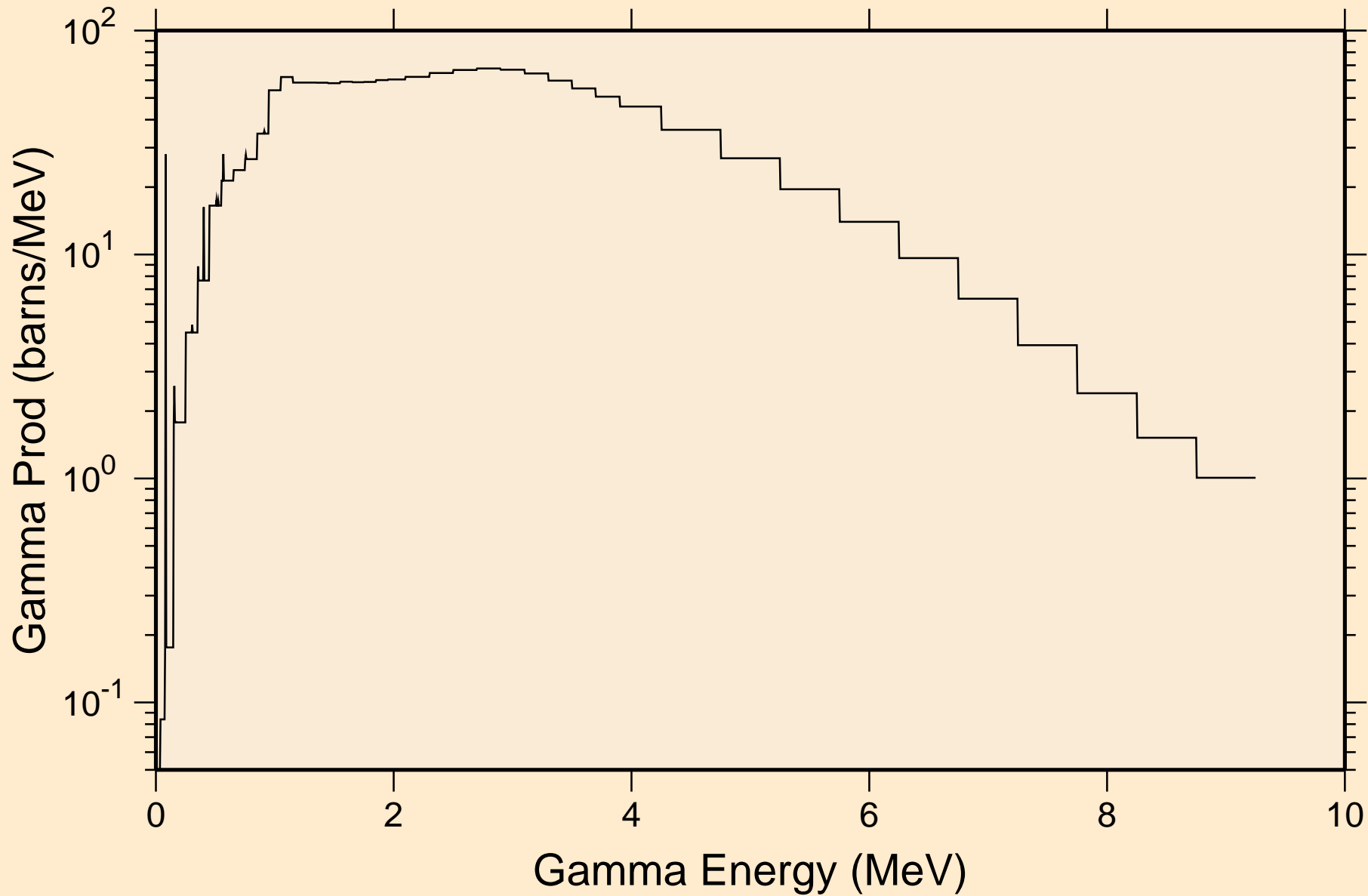
ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,pt)



ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,da)

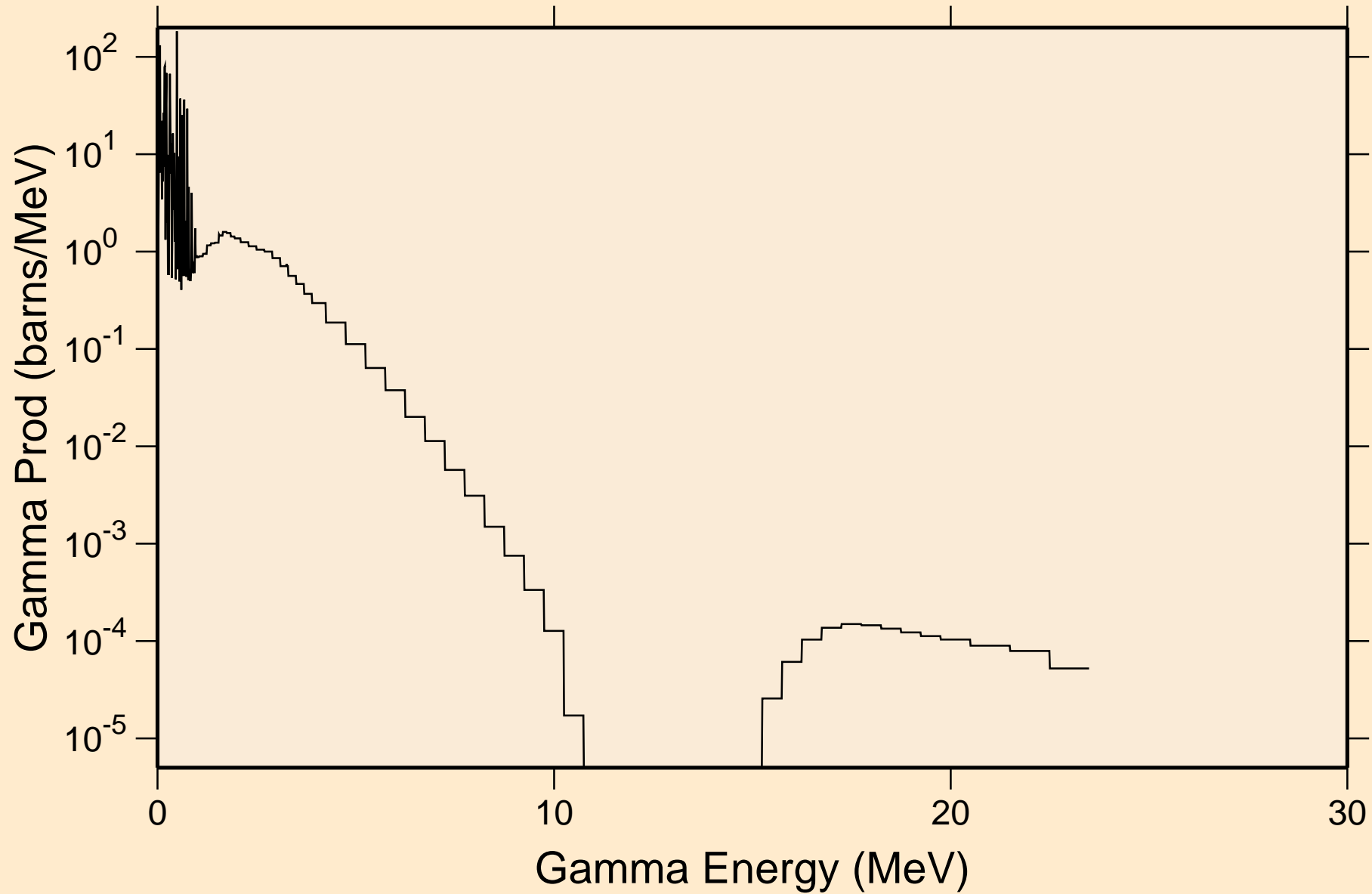


ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
thermal capture photon spectrum



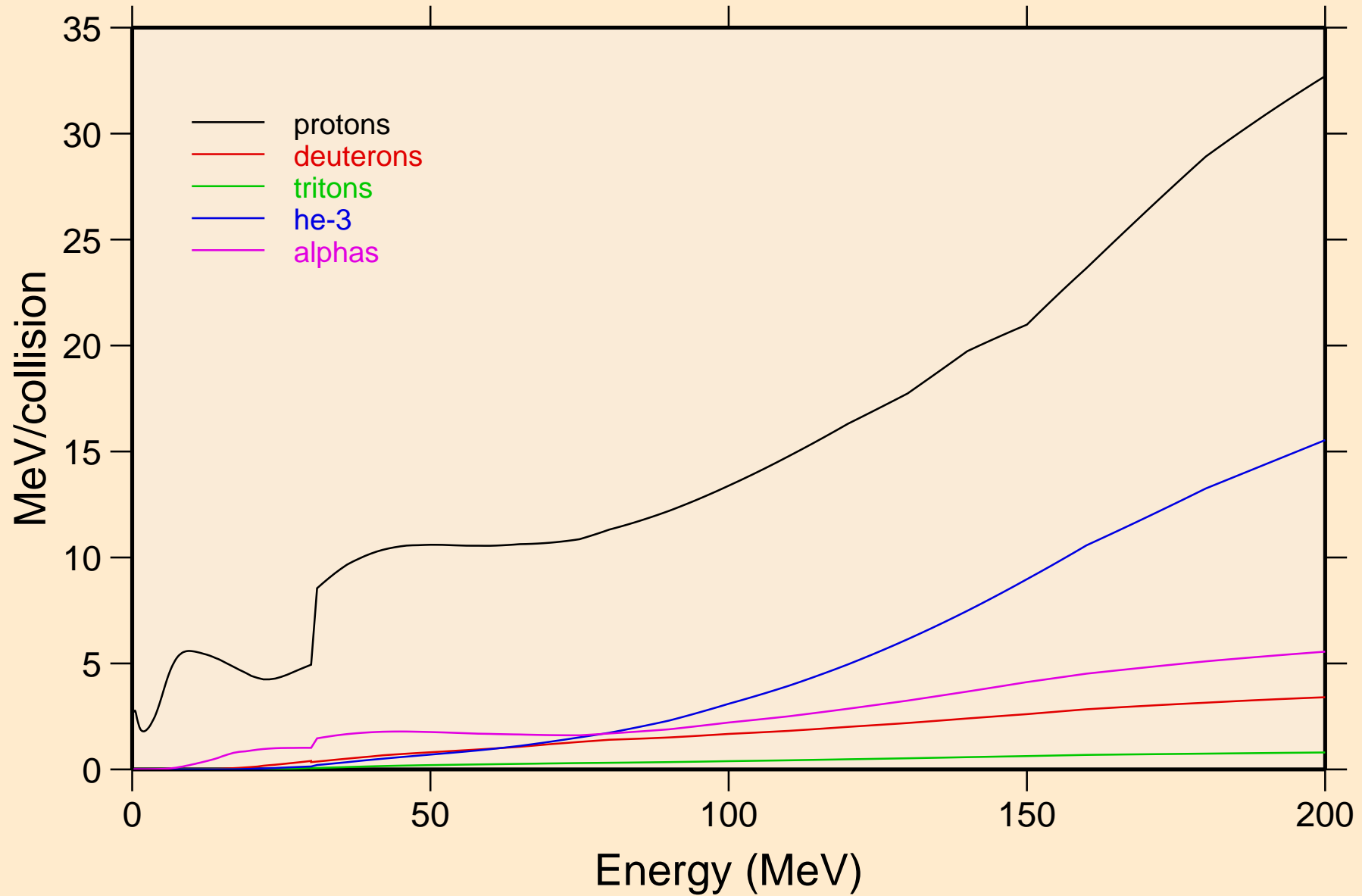


ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
14 MeV photon spectrum

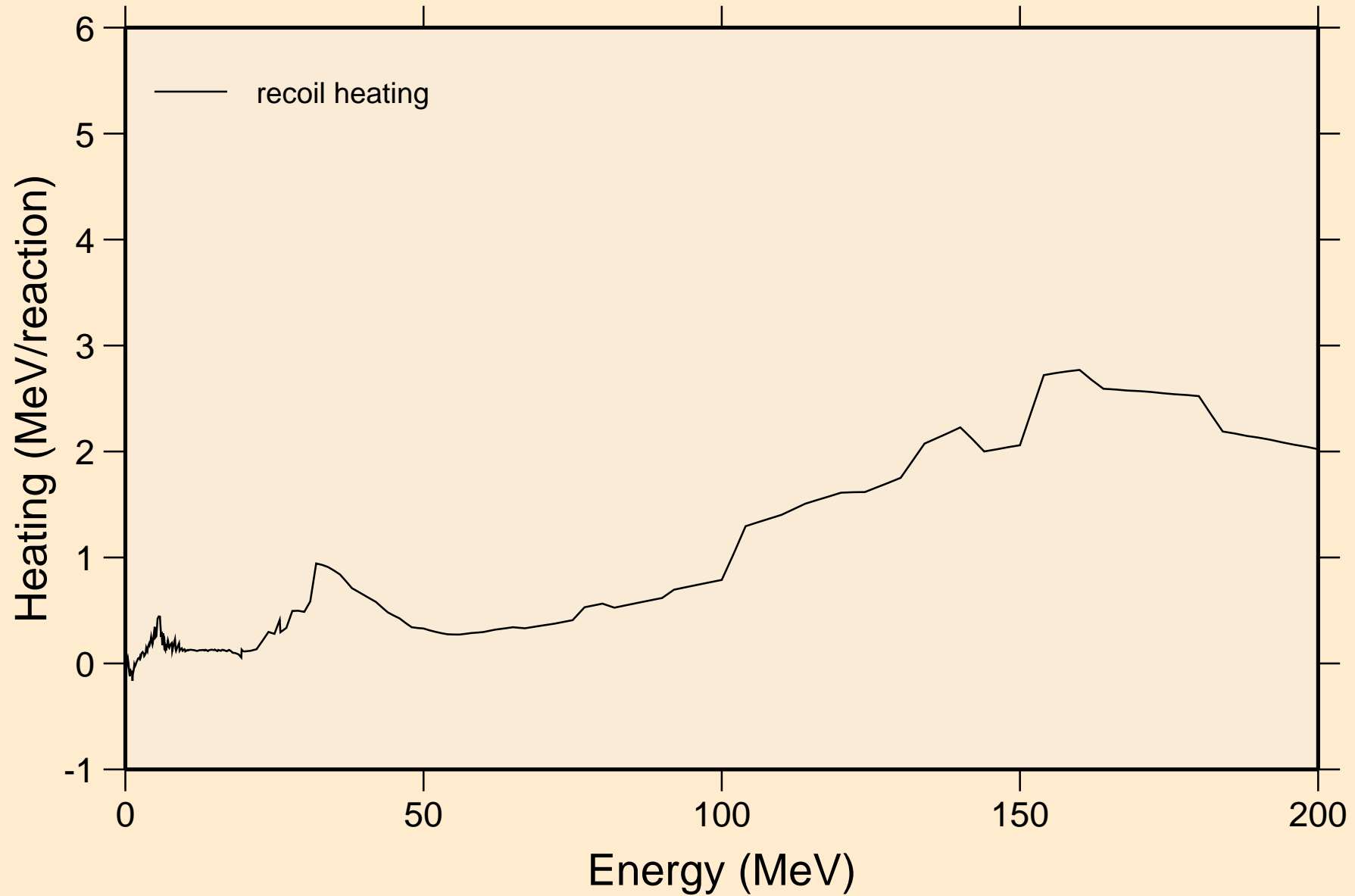


# ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

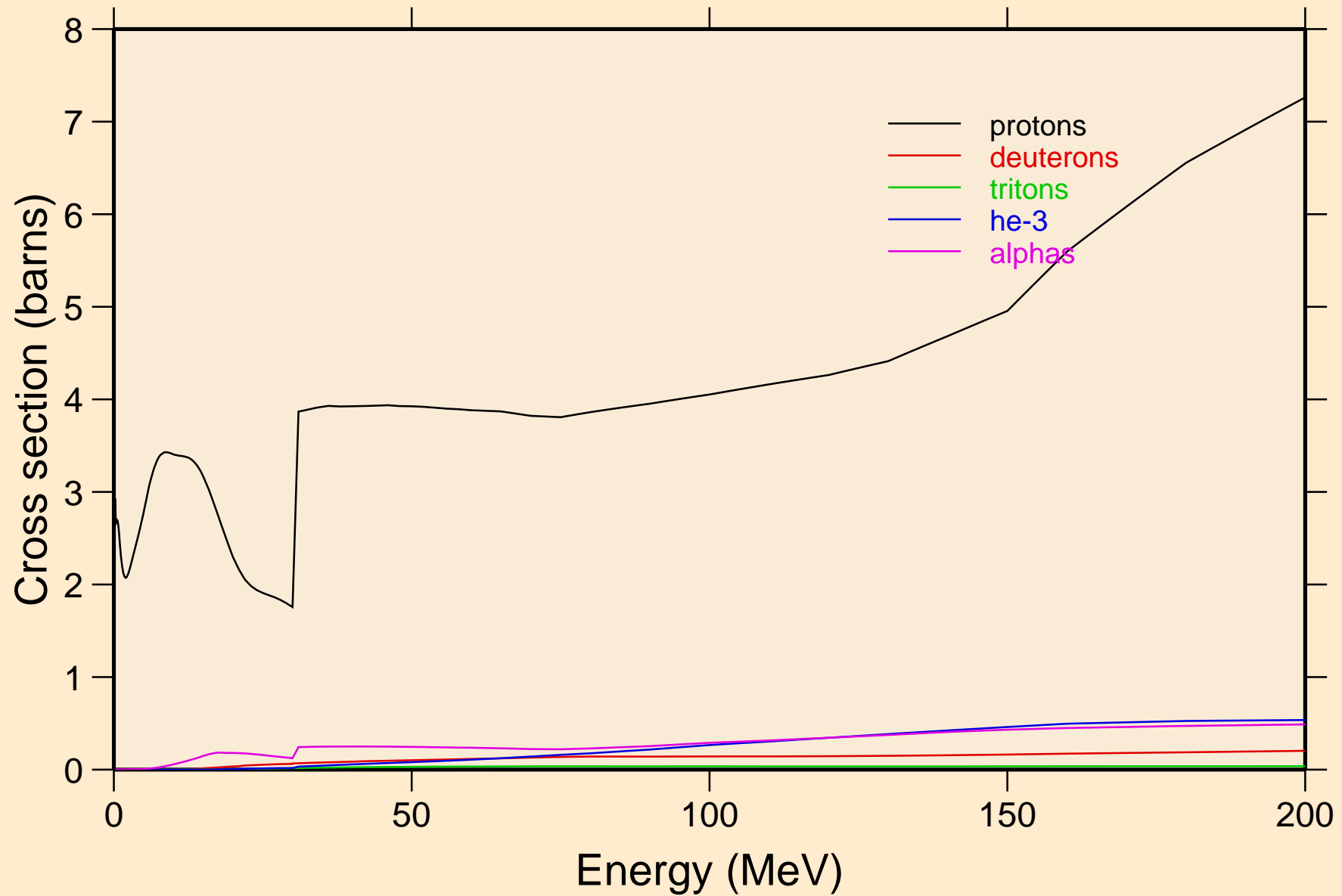
## Particle heating contributions



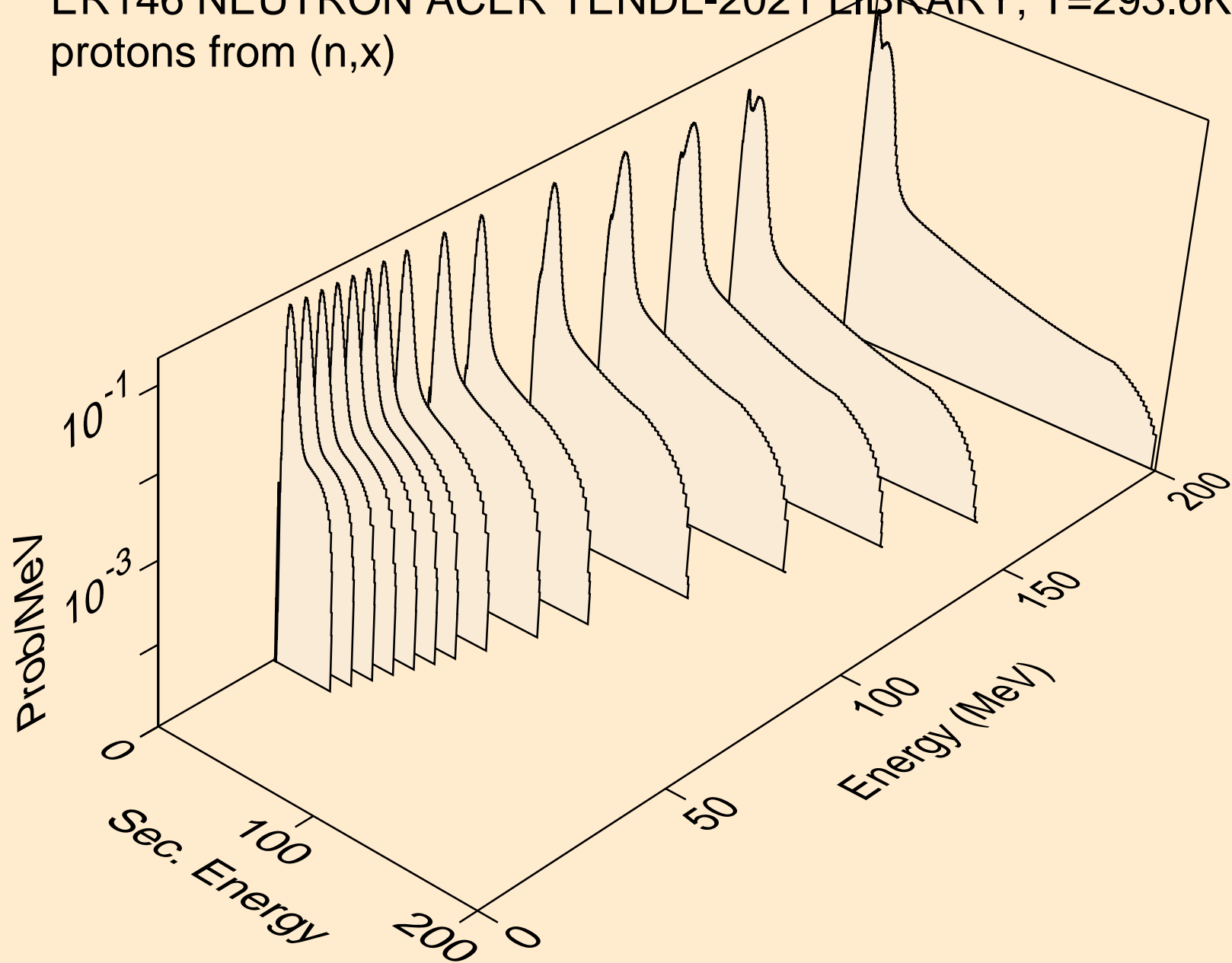
ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Recoil Heating



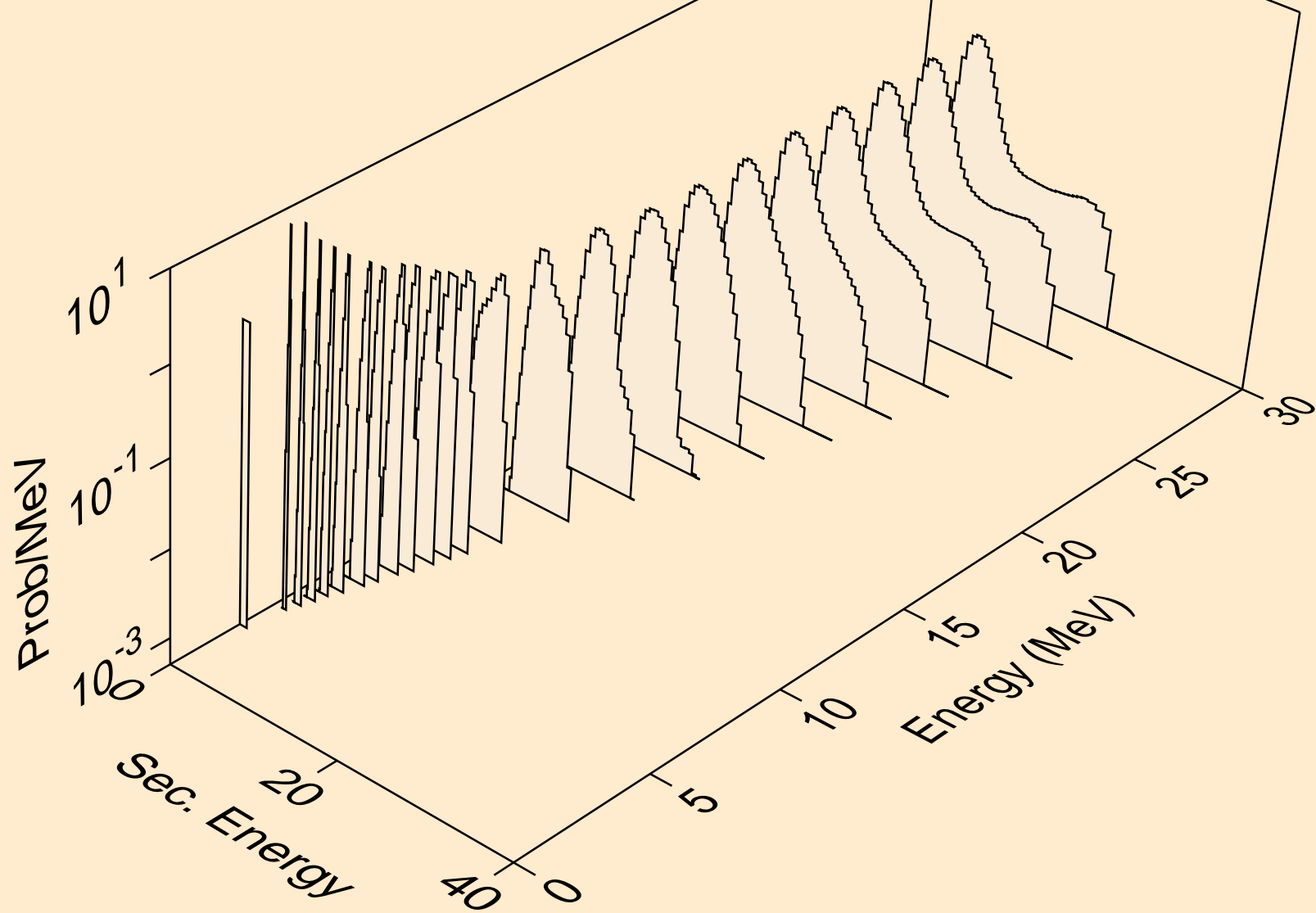
ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Particle production cross sections



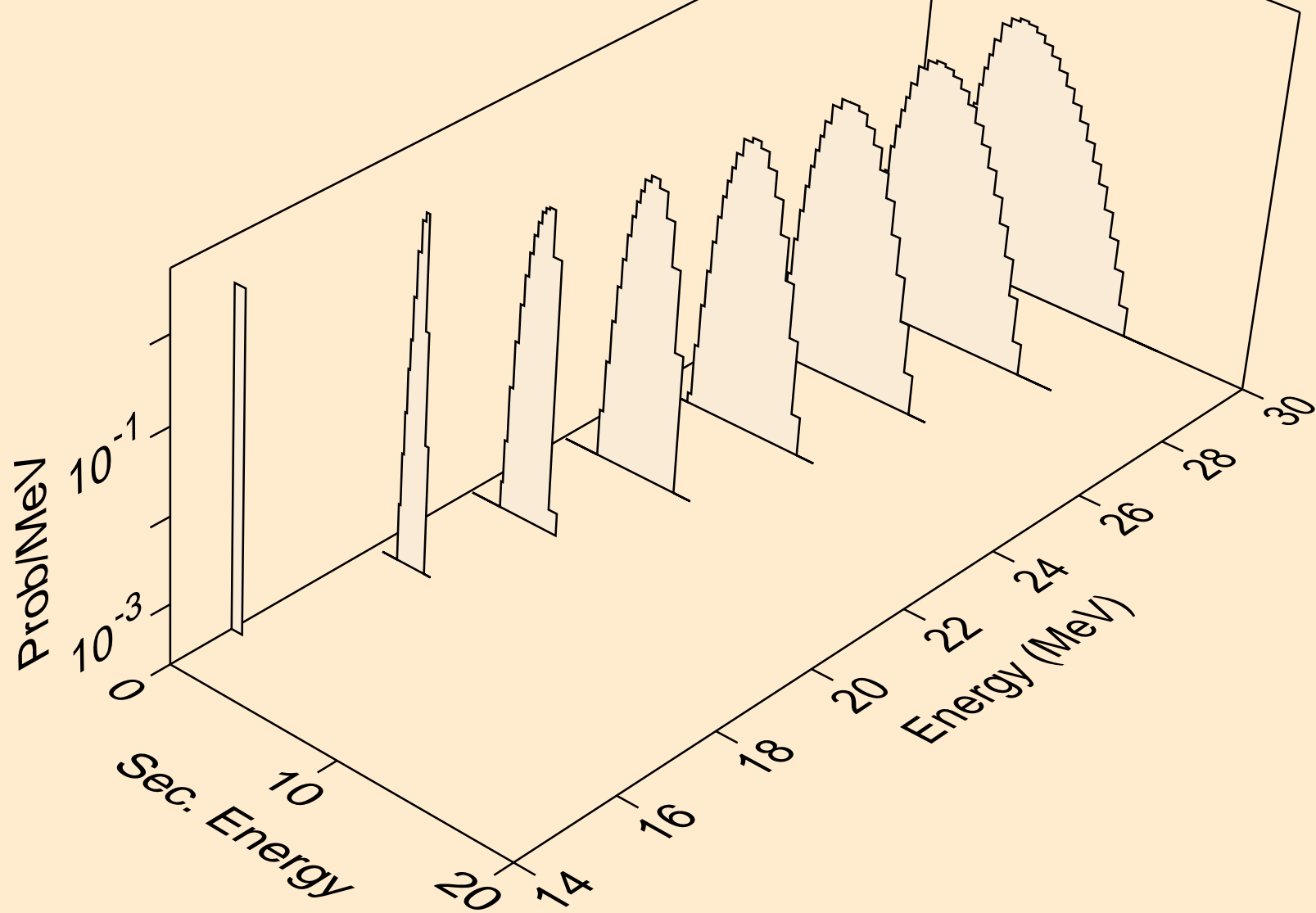
ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,x)



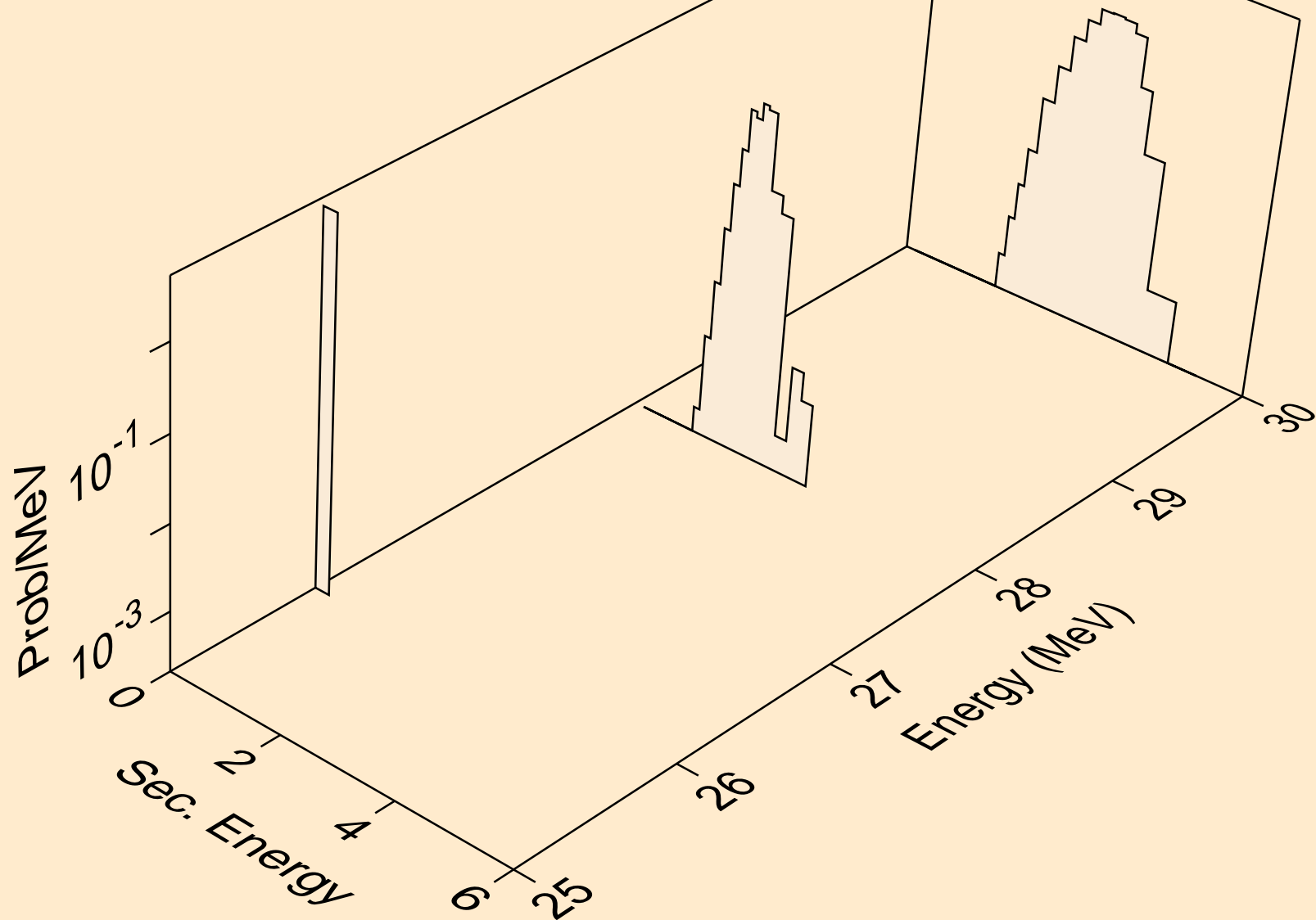
ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,n\*)p



ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,2np)

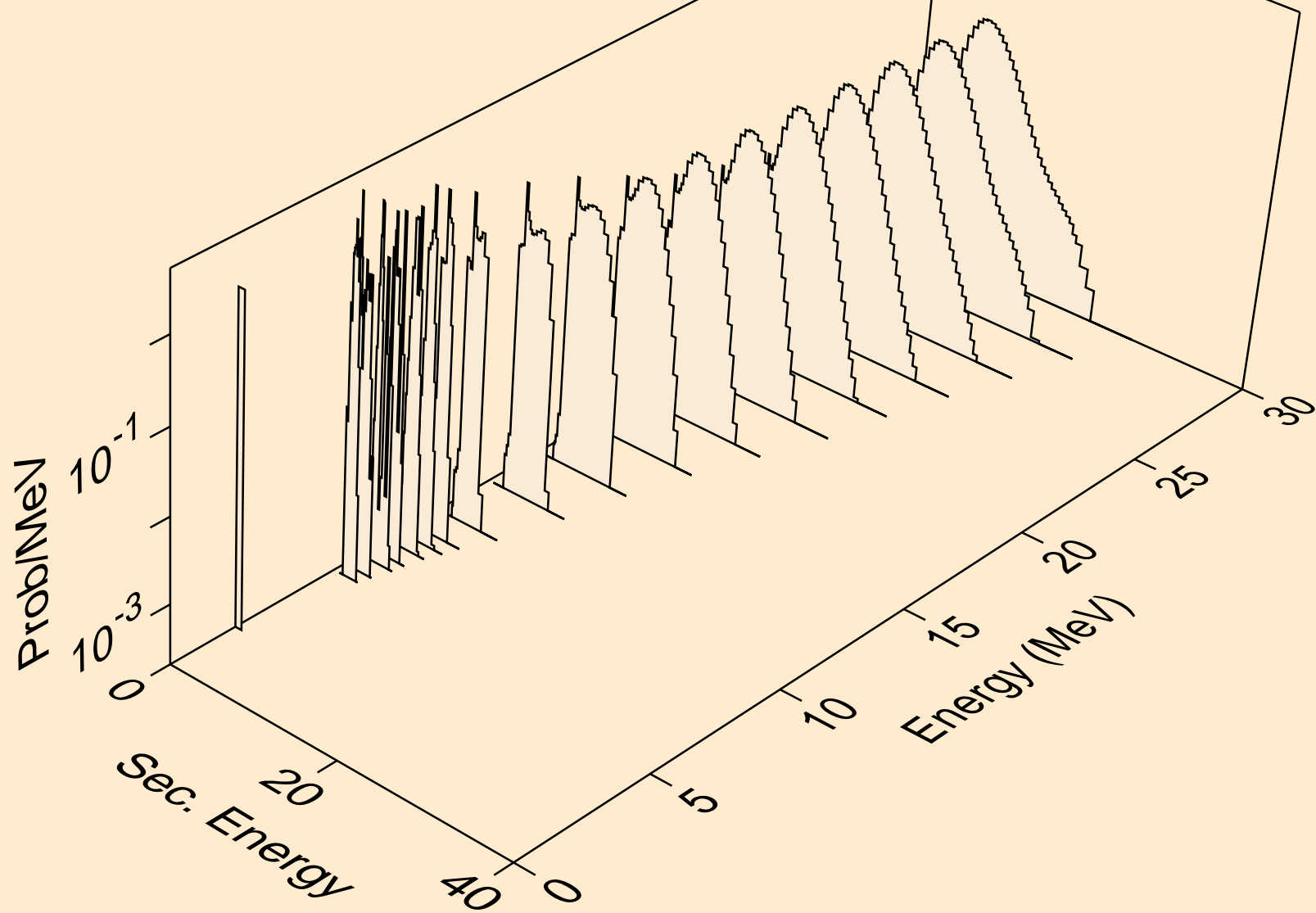


ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,3np)

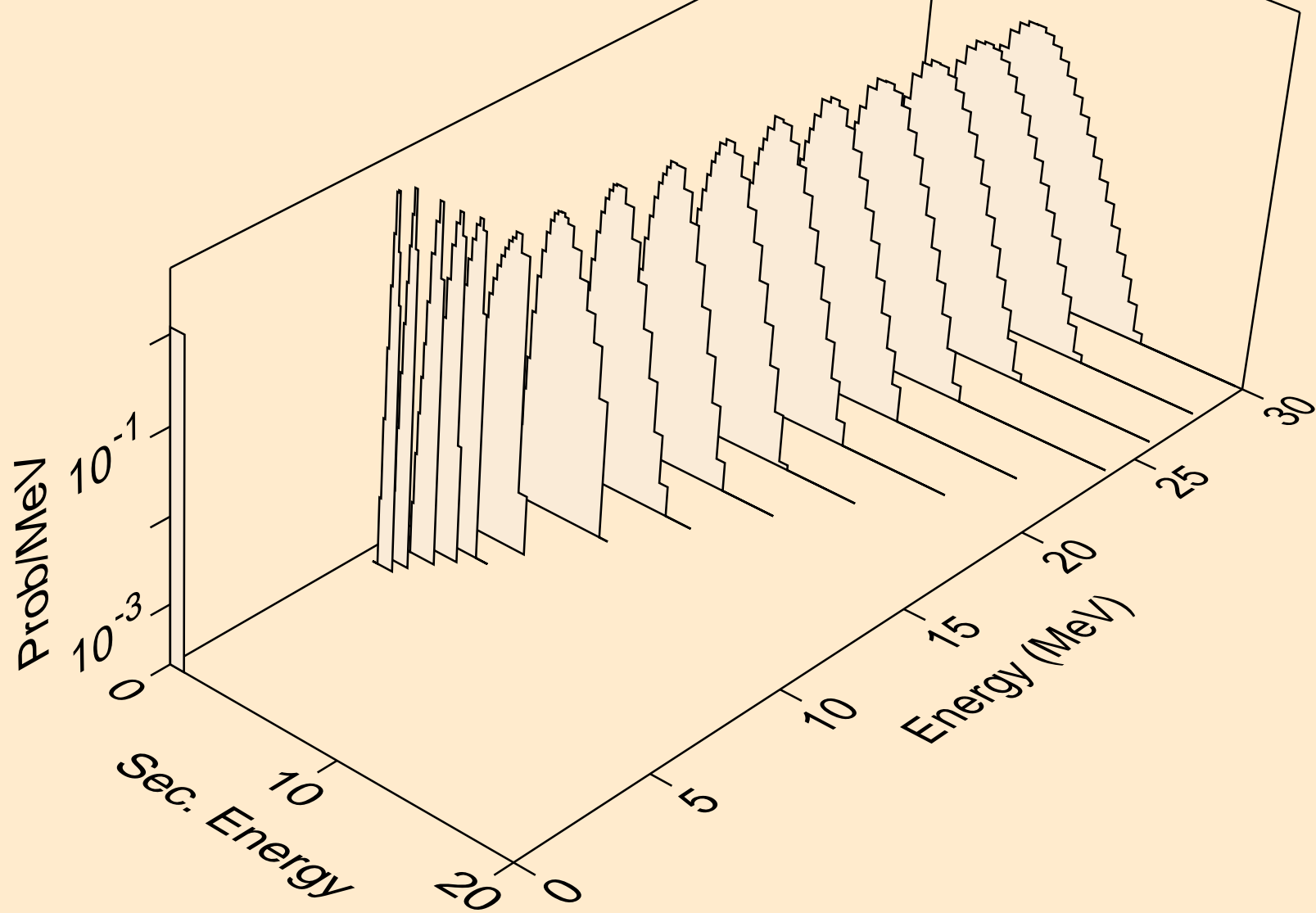




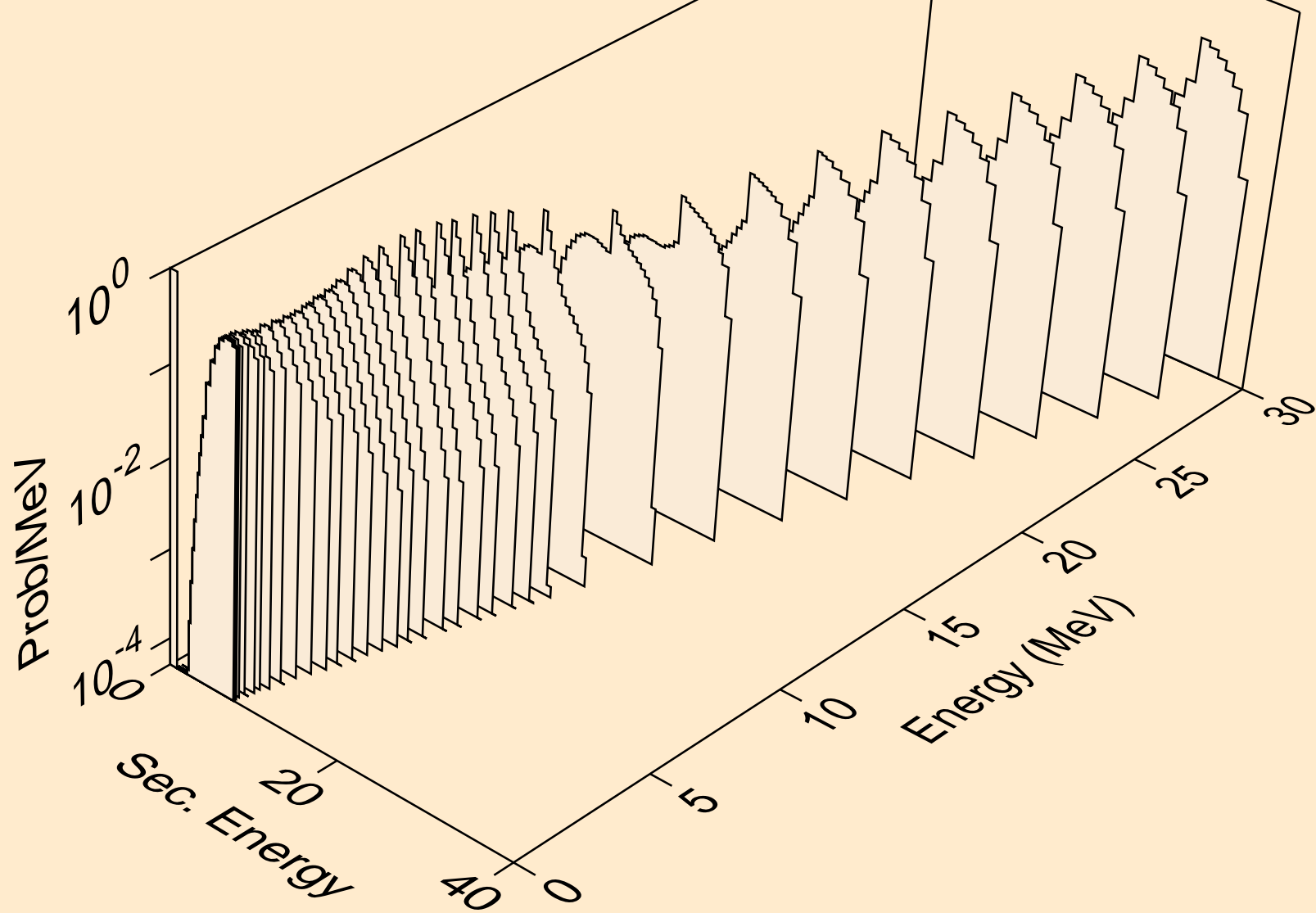
ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,2np)



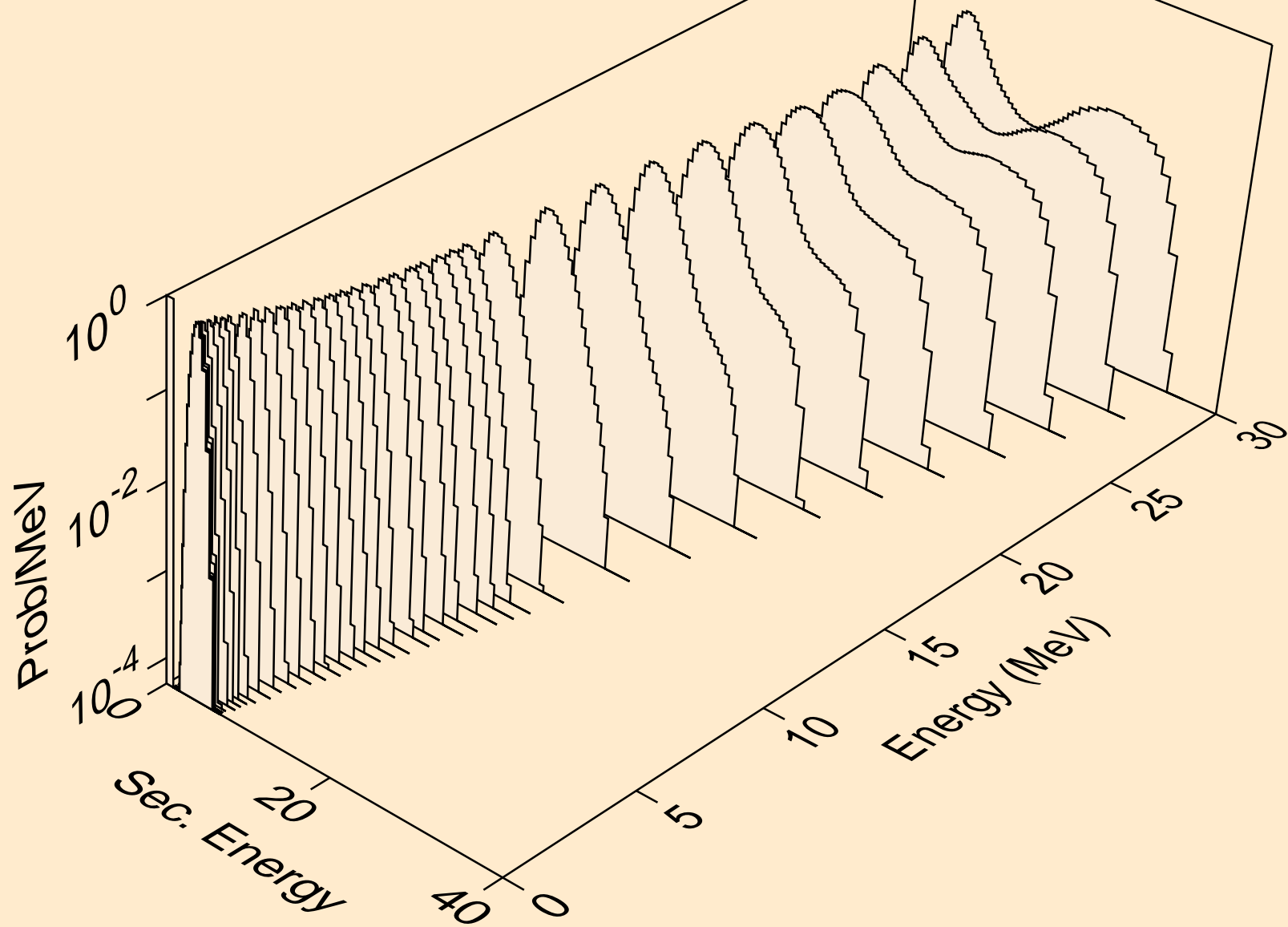
ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,npa)



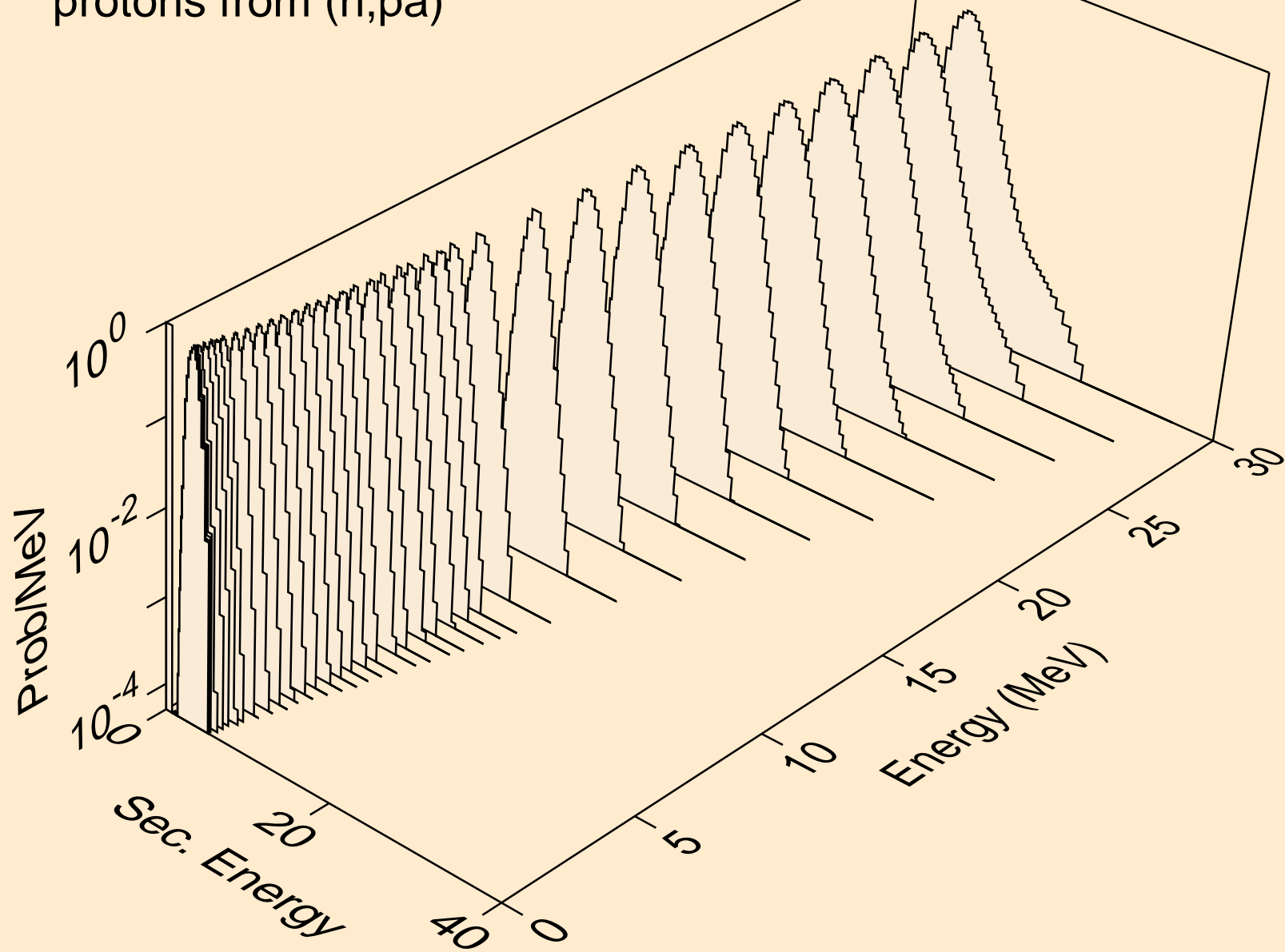
ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,p)



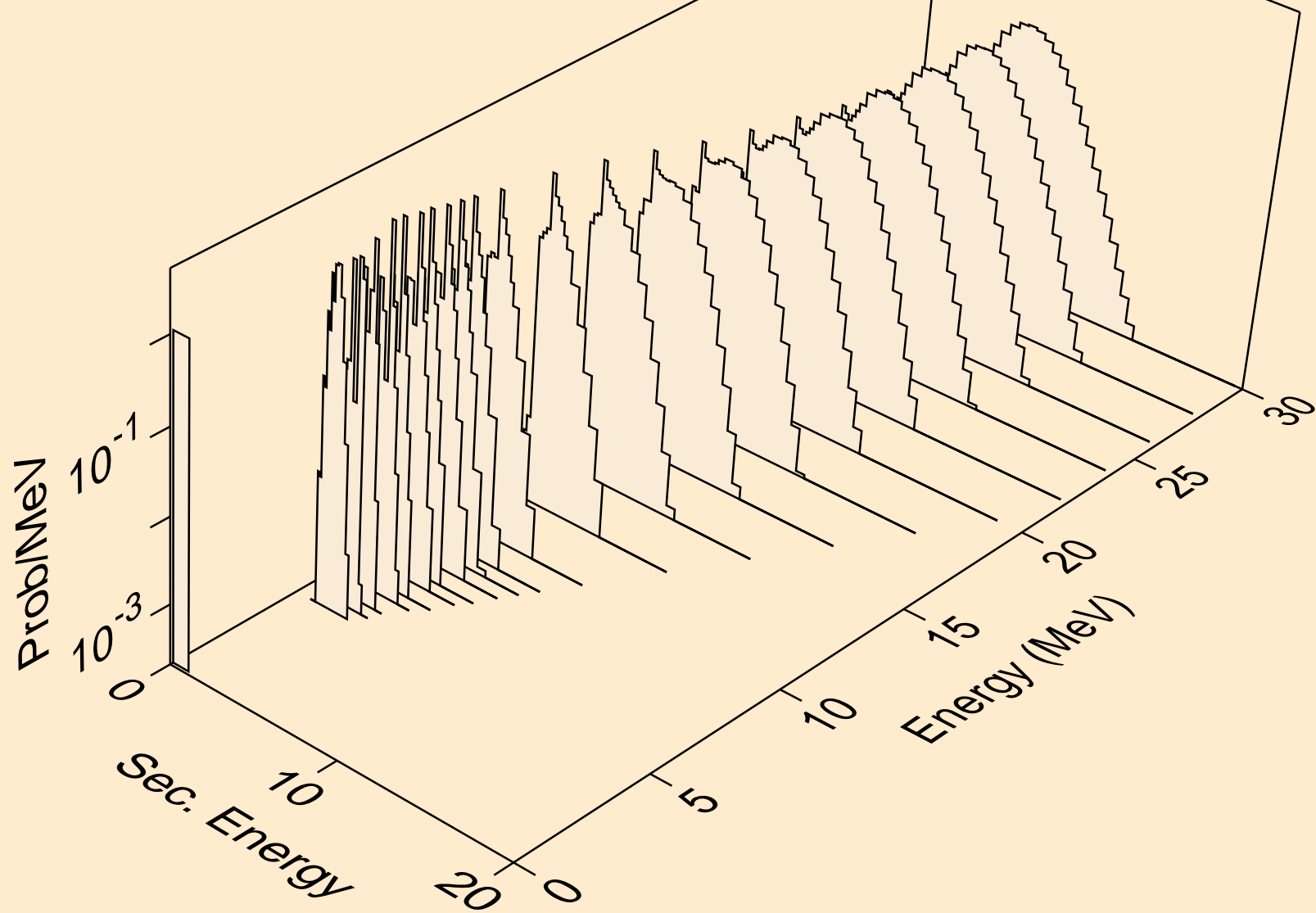
ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,2p)



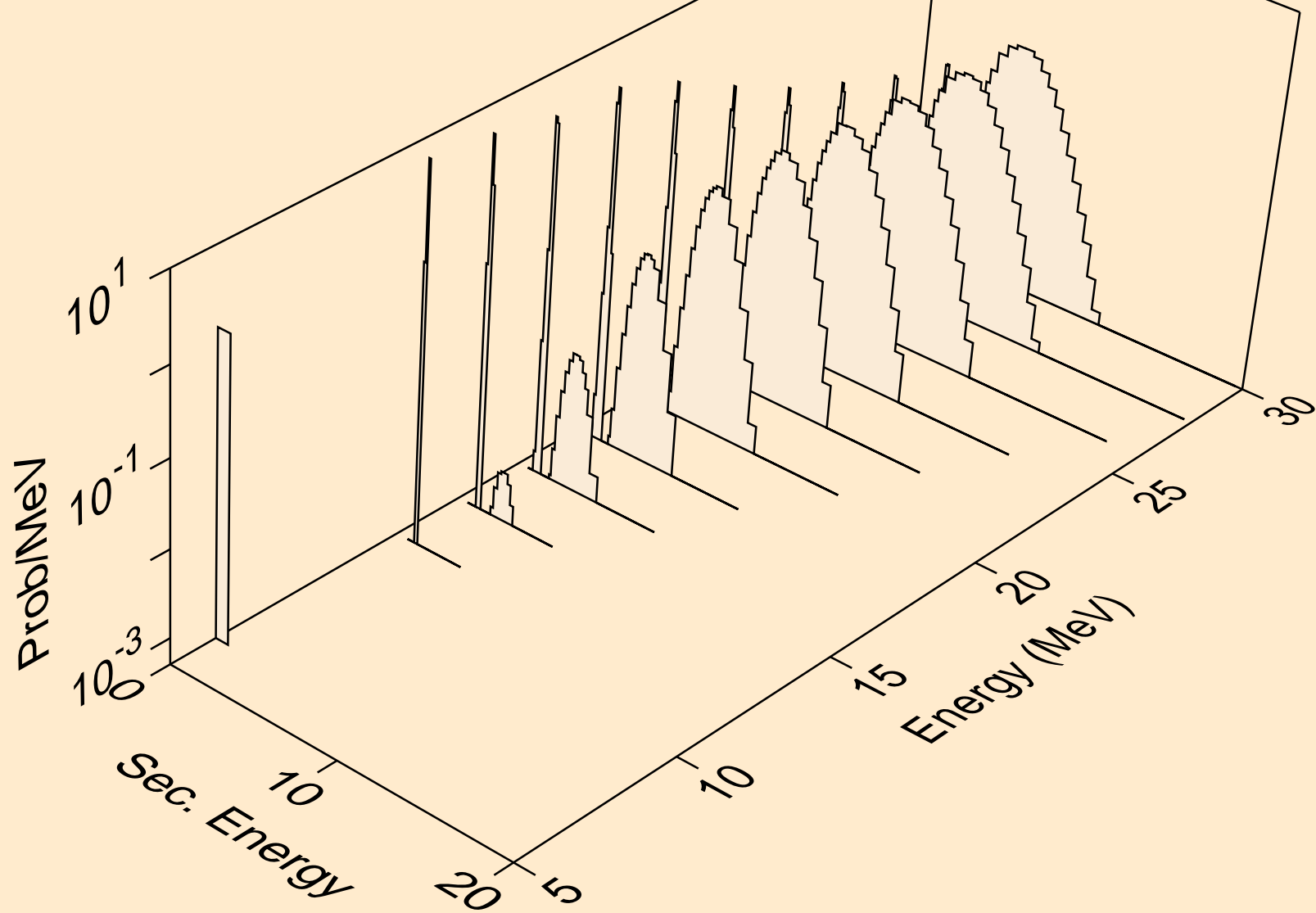
ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,p)



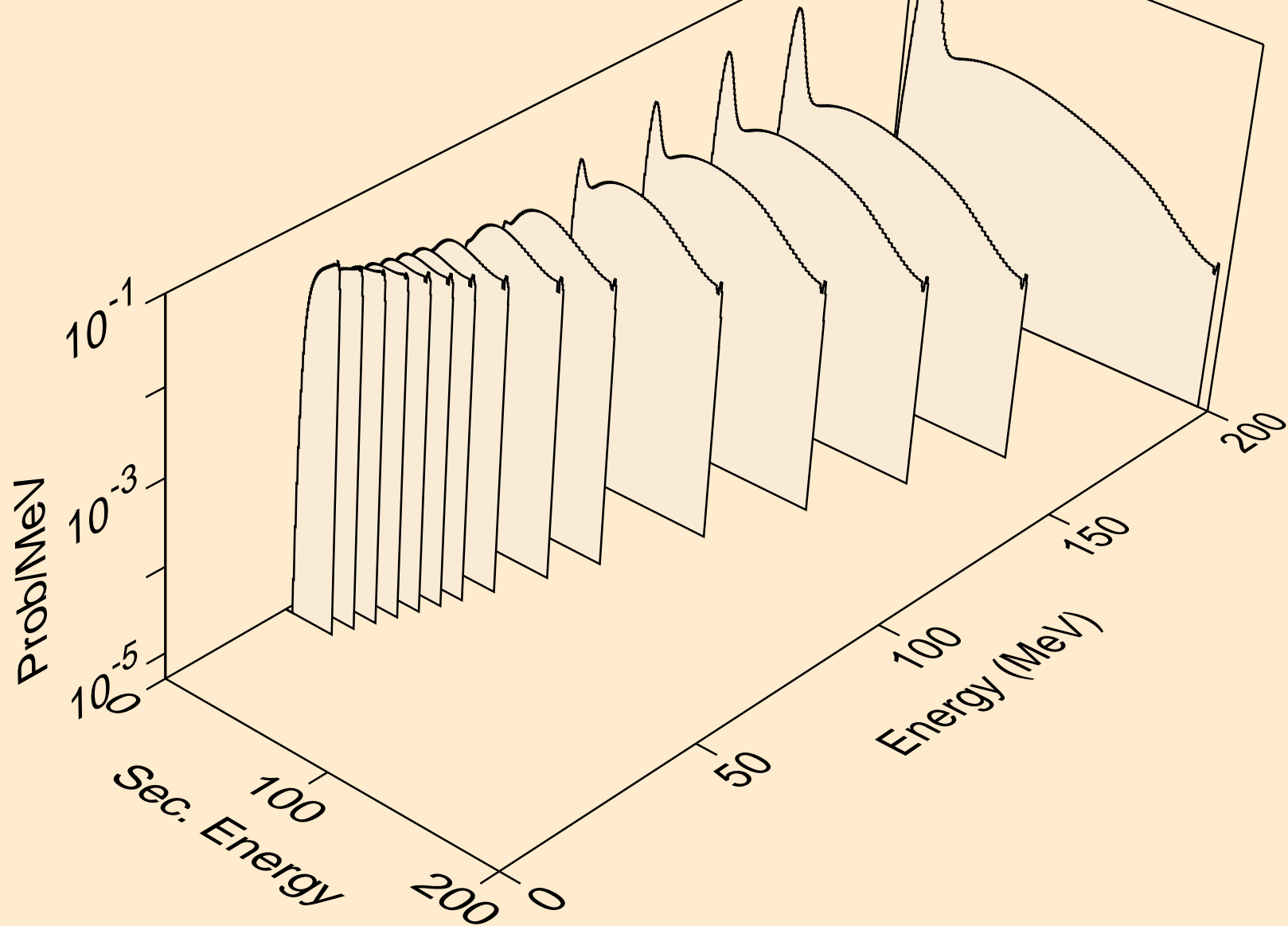
ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,pd)



ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,pt)

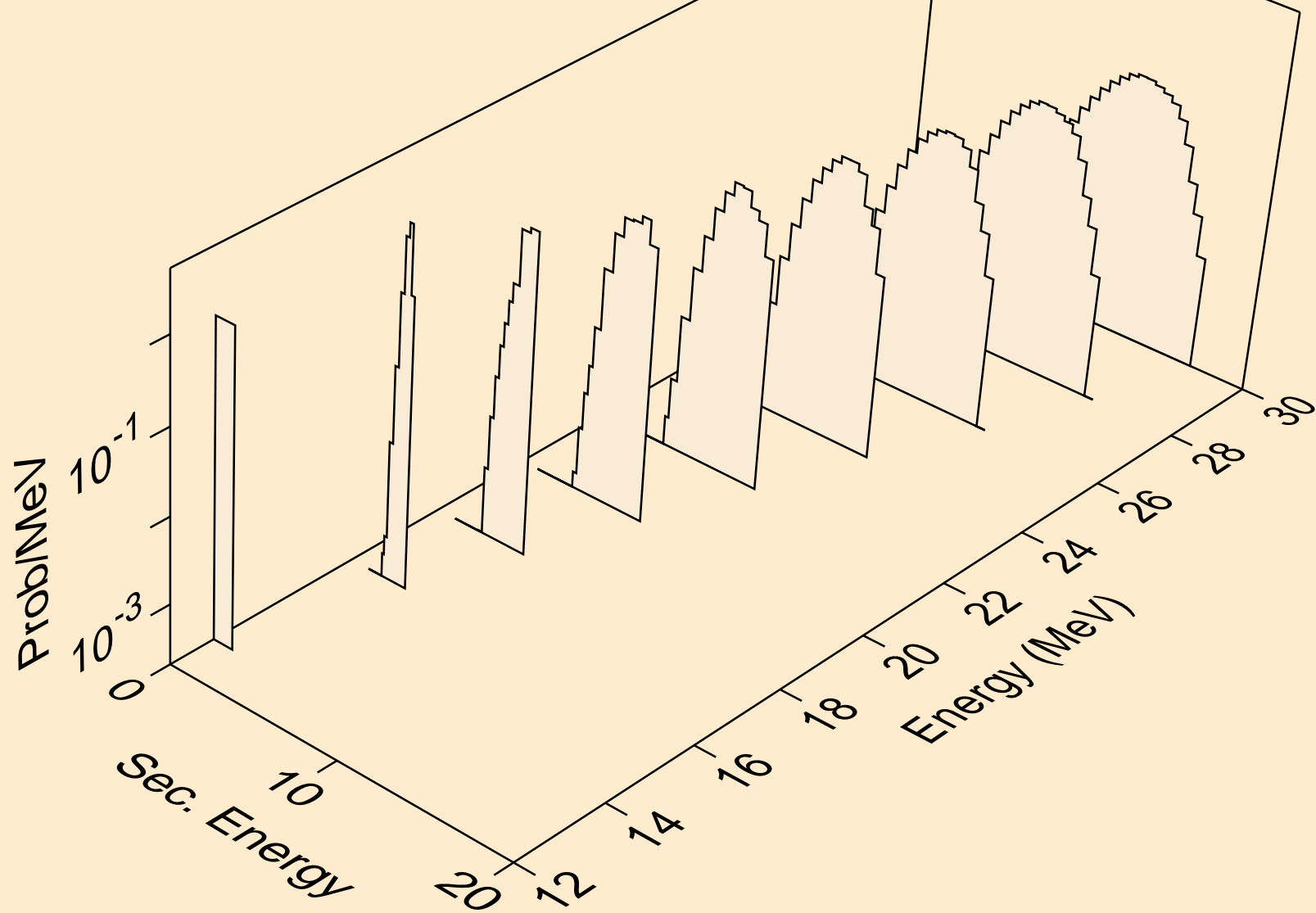


ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,x)

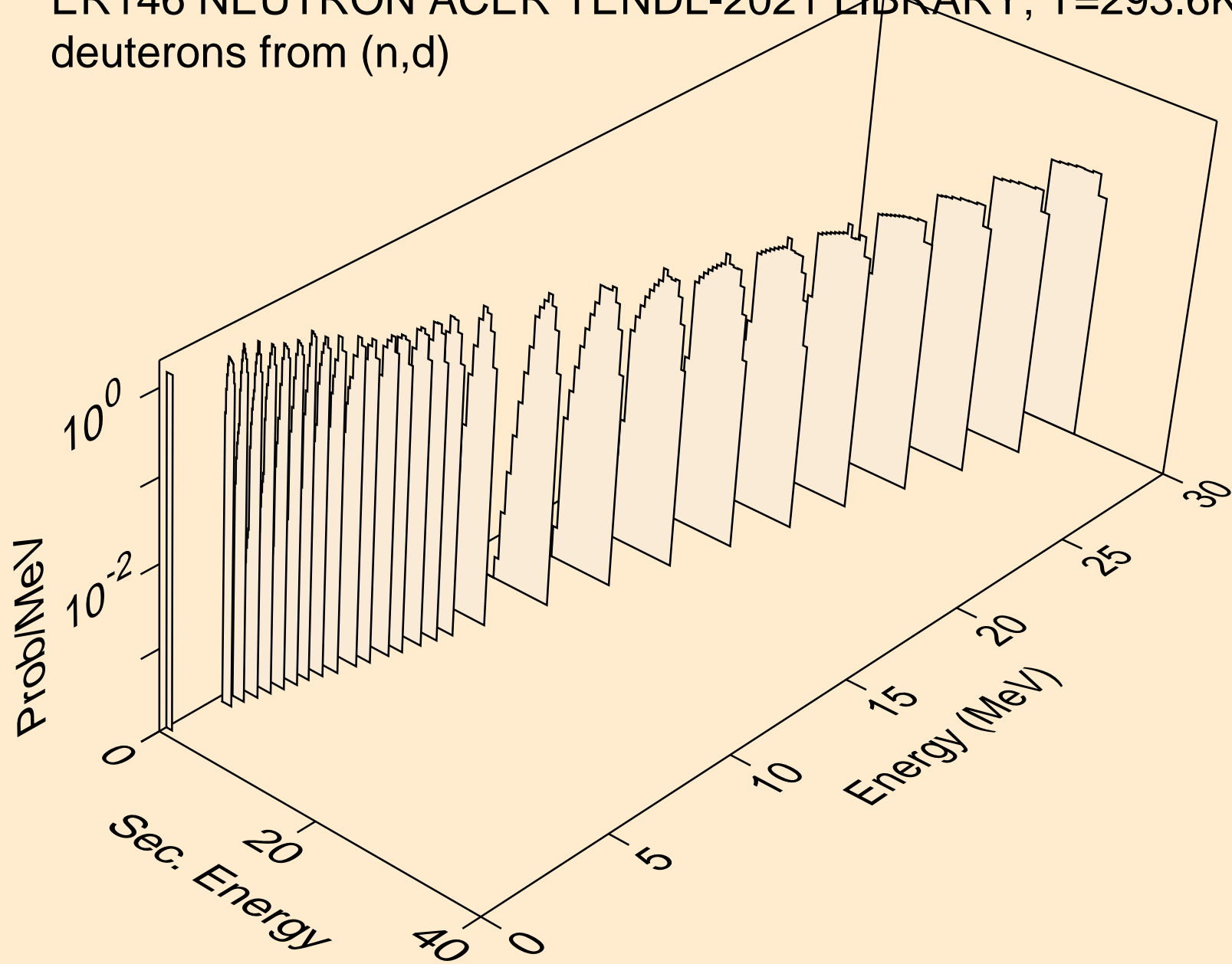




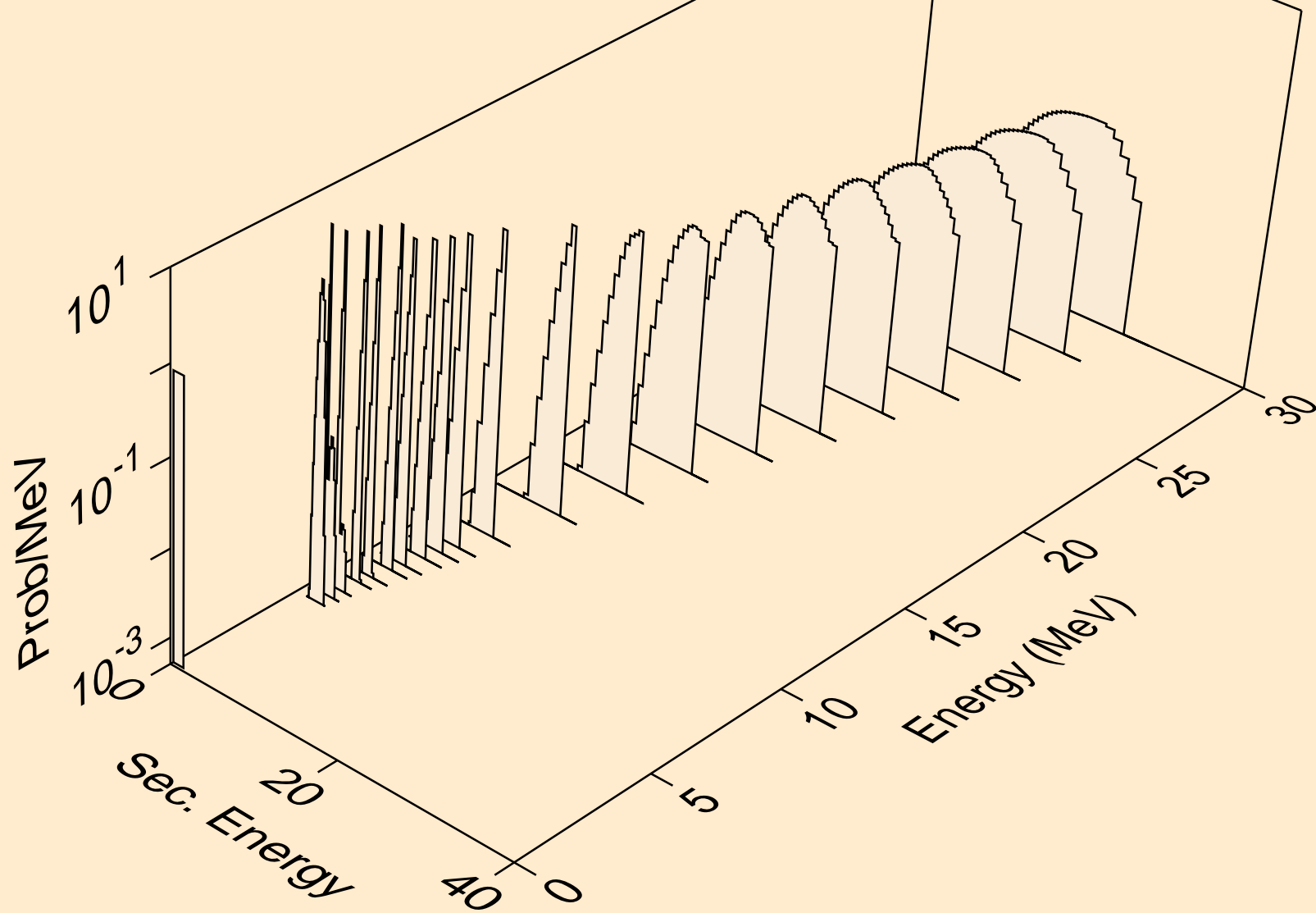
ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,n\*)d



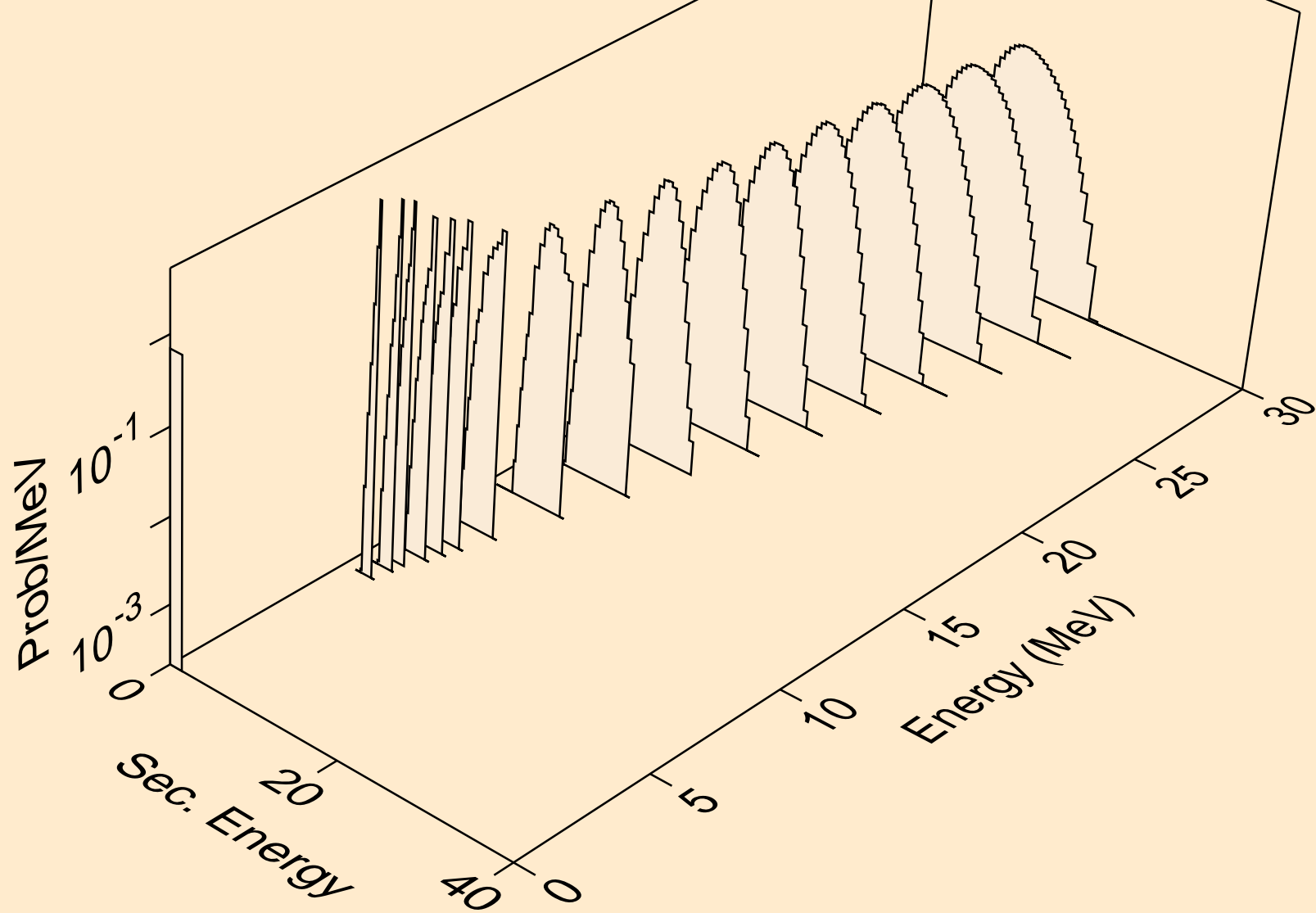
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deuterons from (n,d)



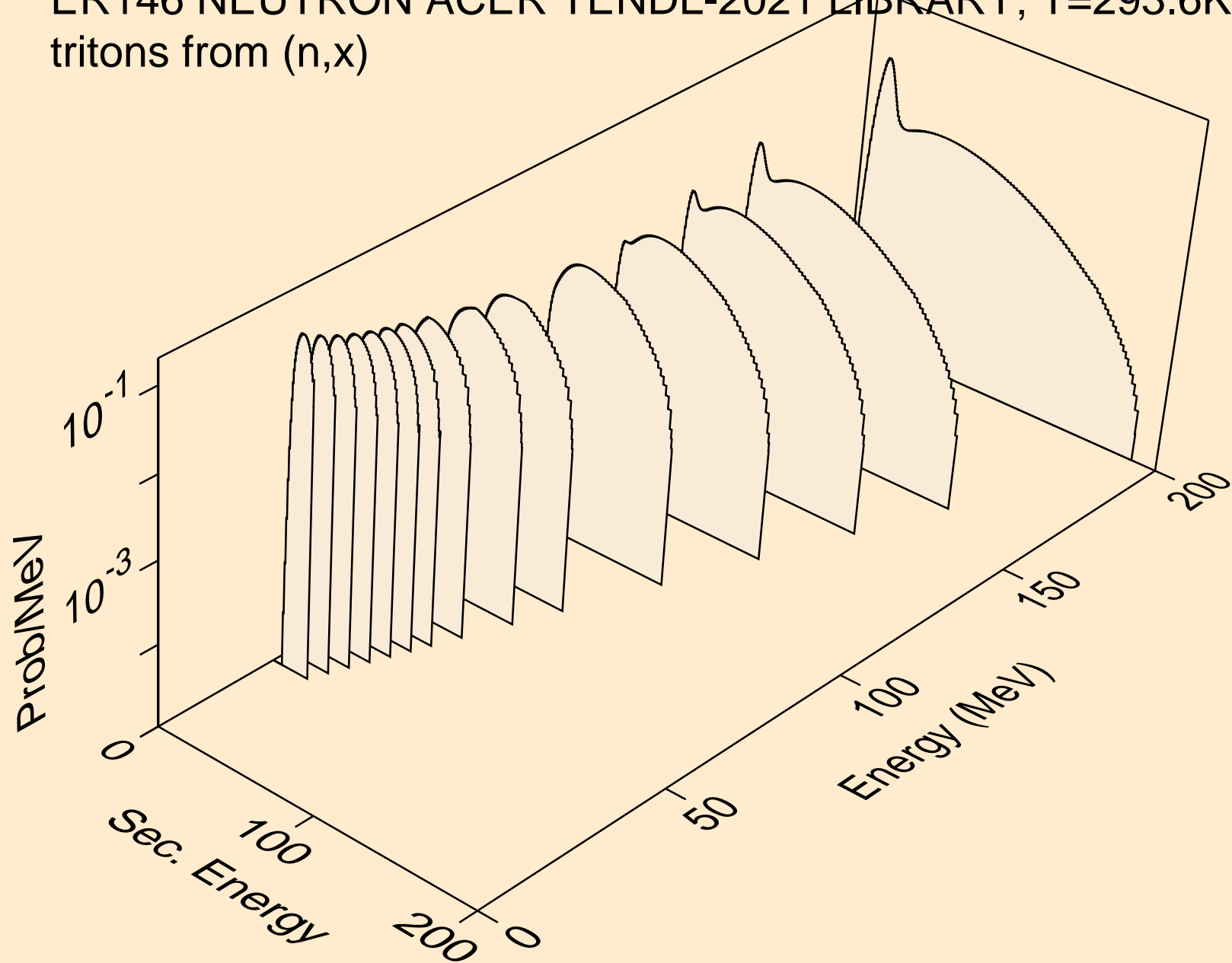
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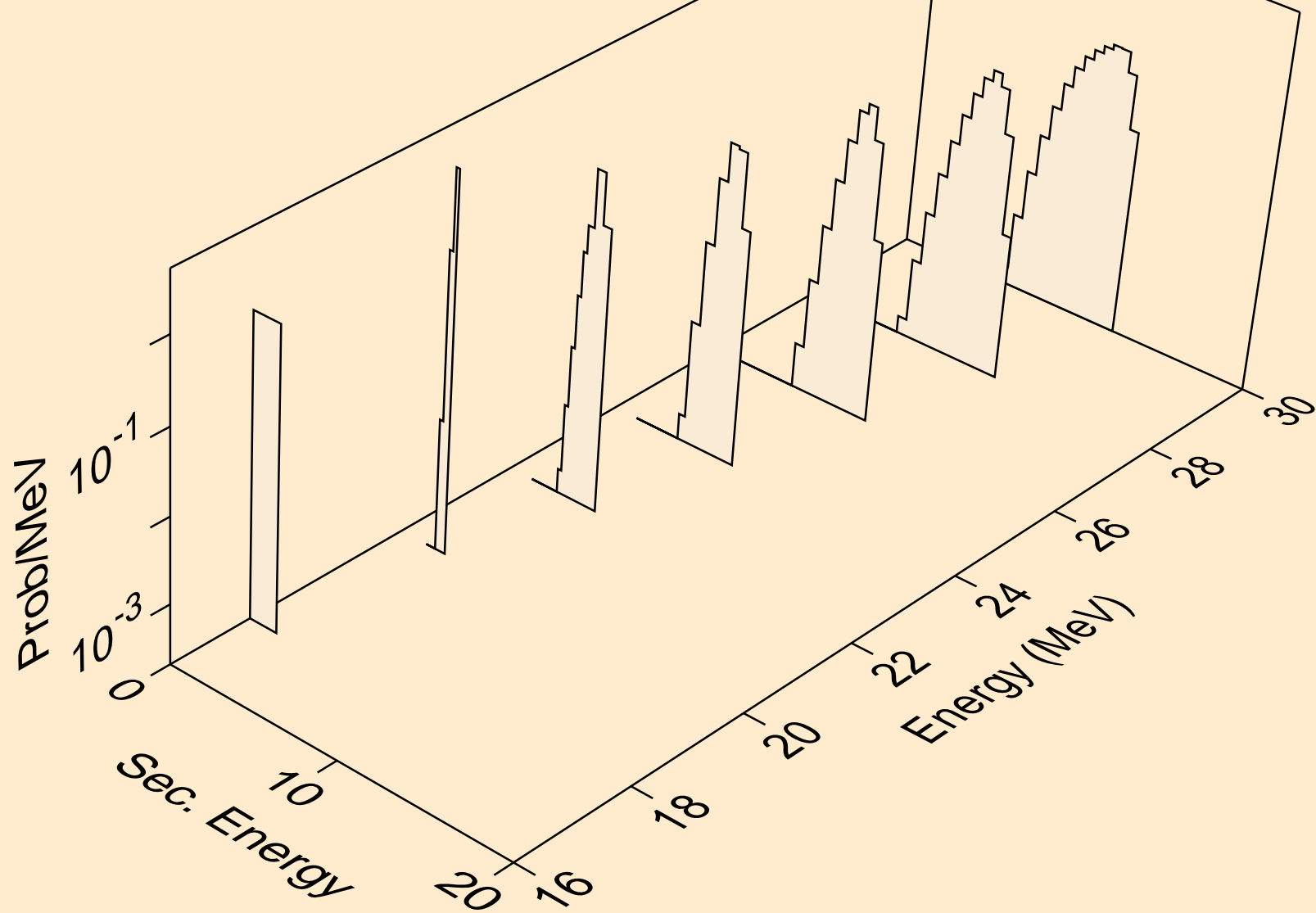
ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,da)



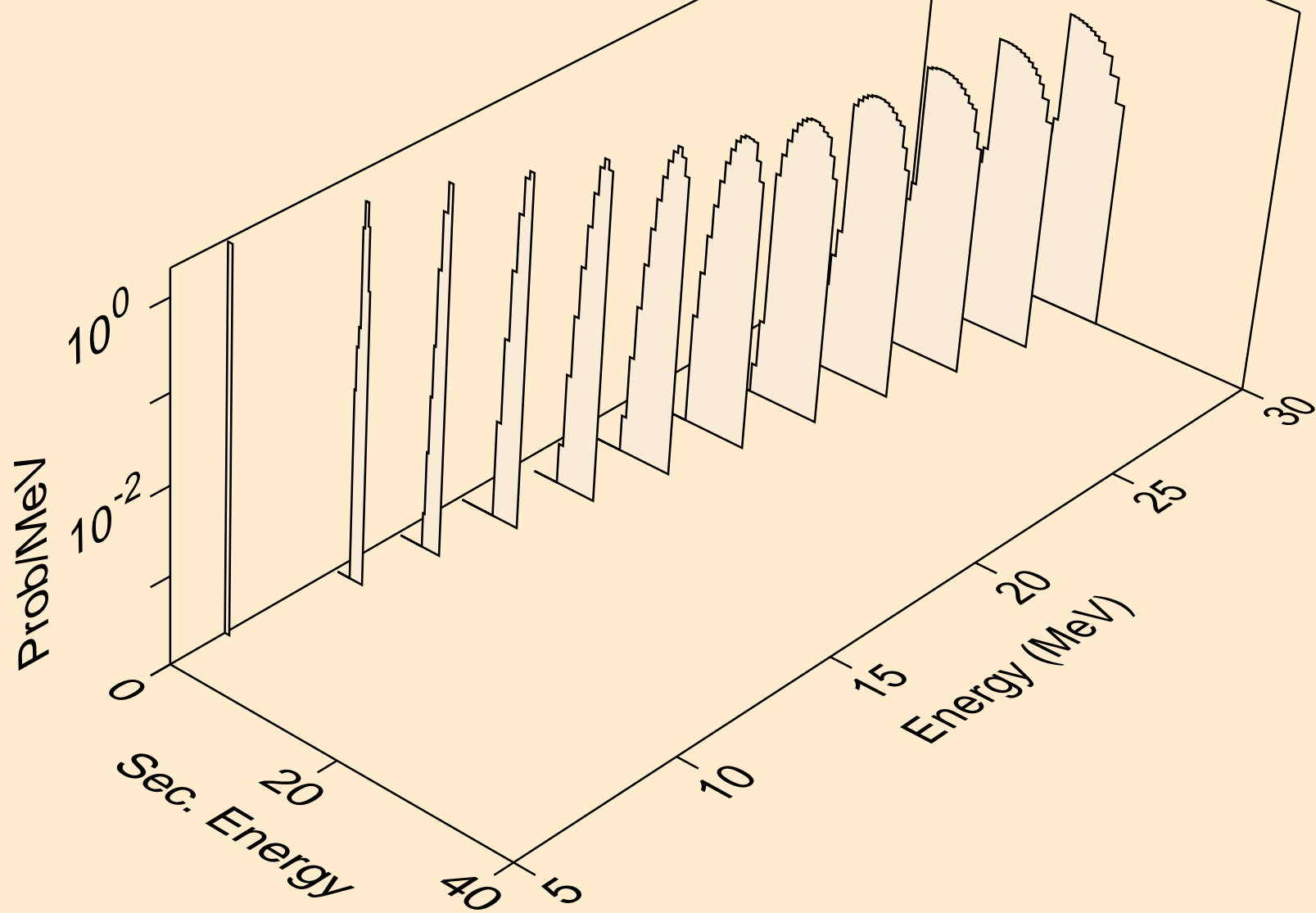
ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,x)



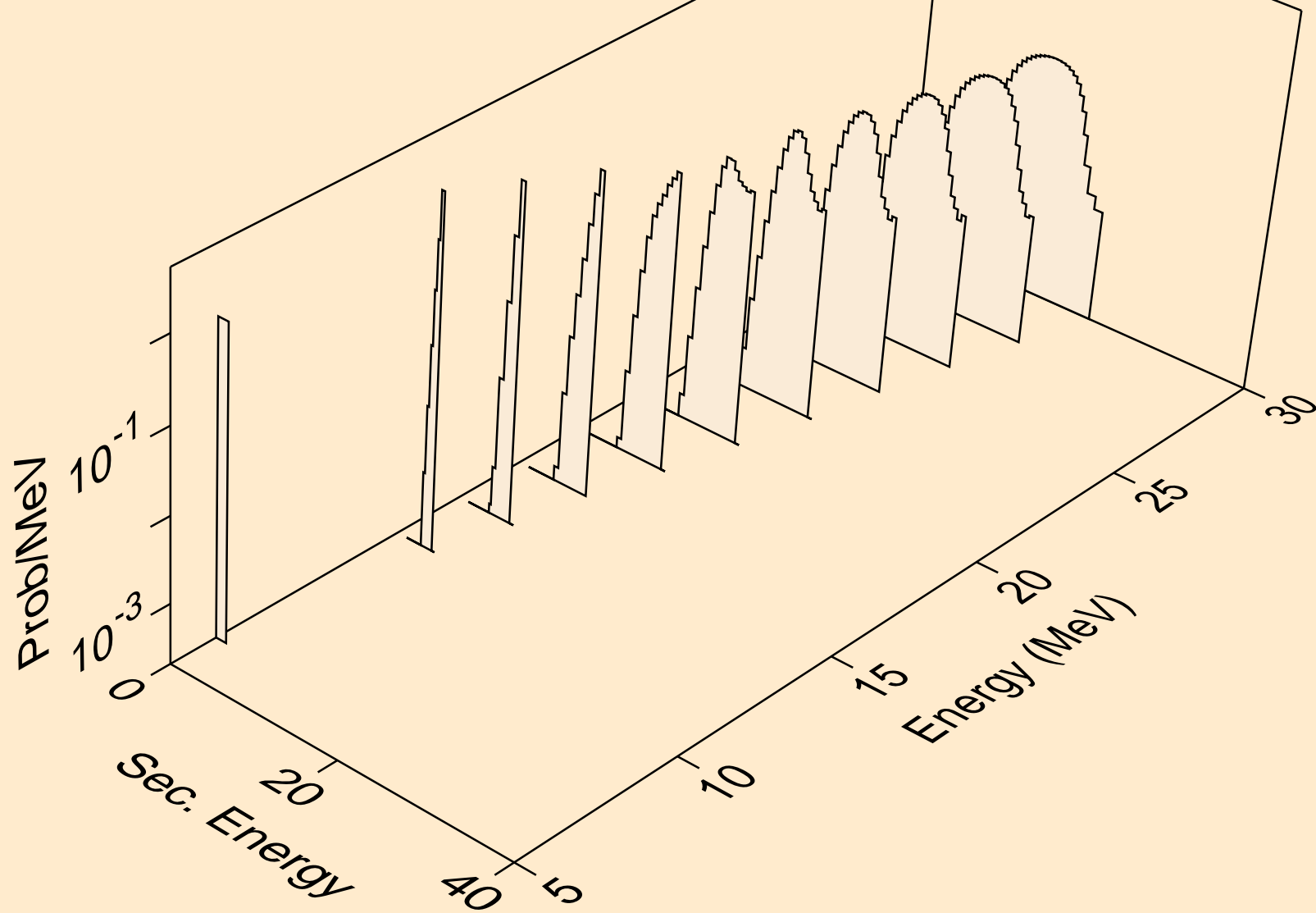
ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,n\*)t



ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,t)

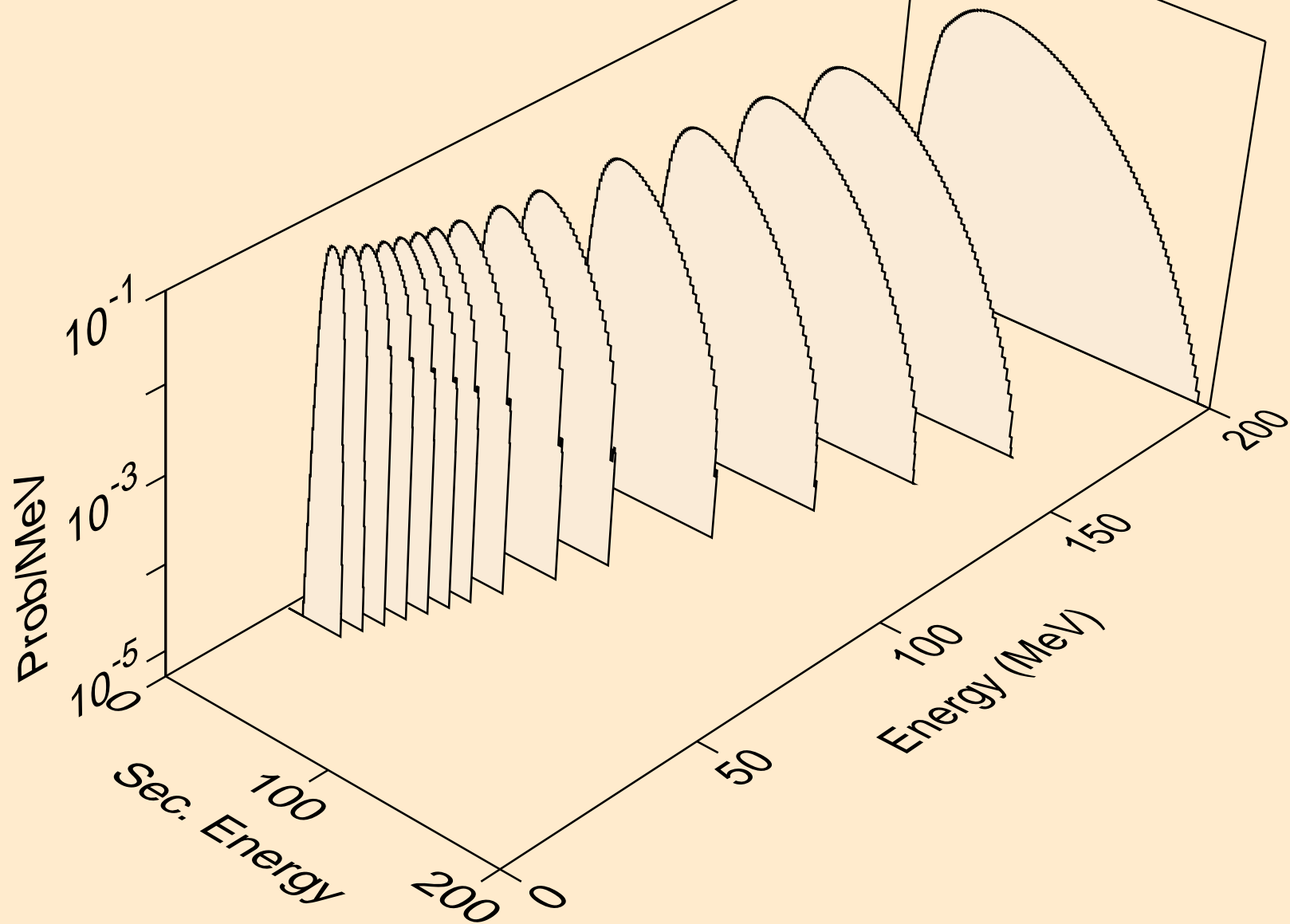


ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,pt)

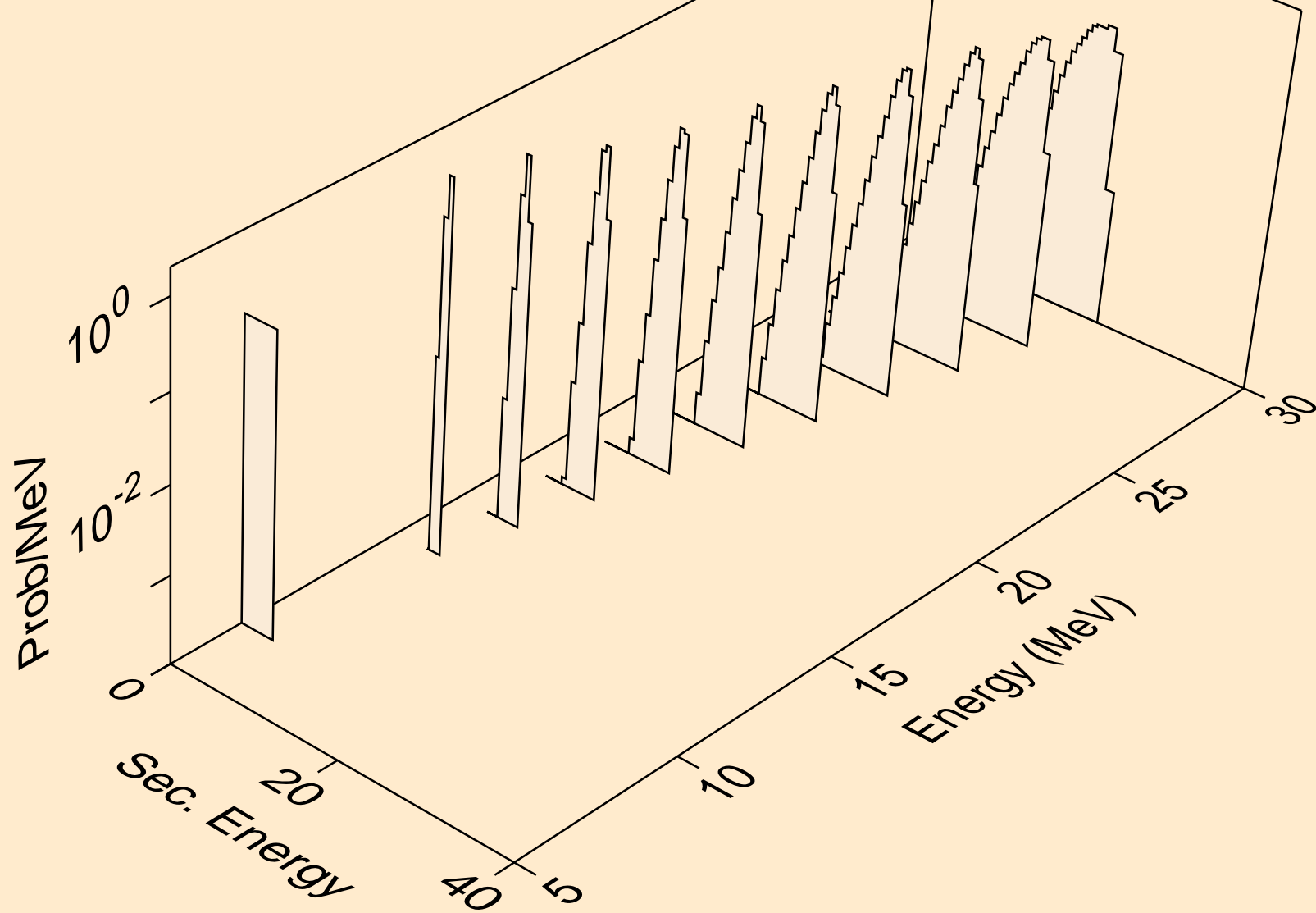




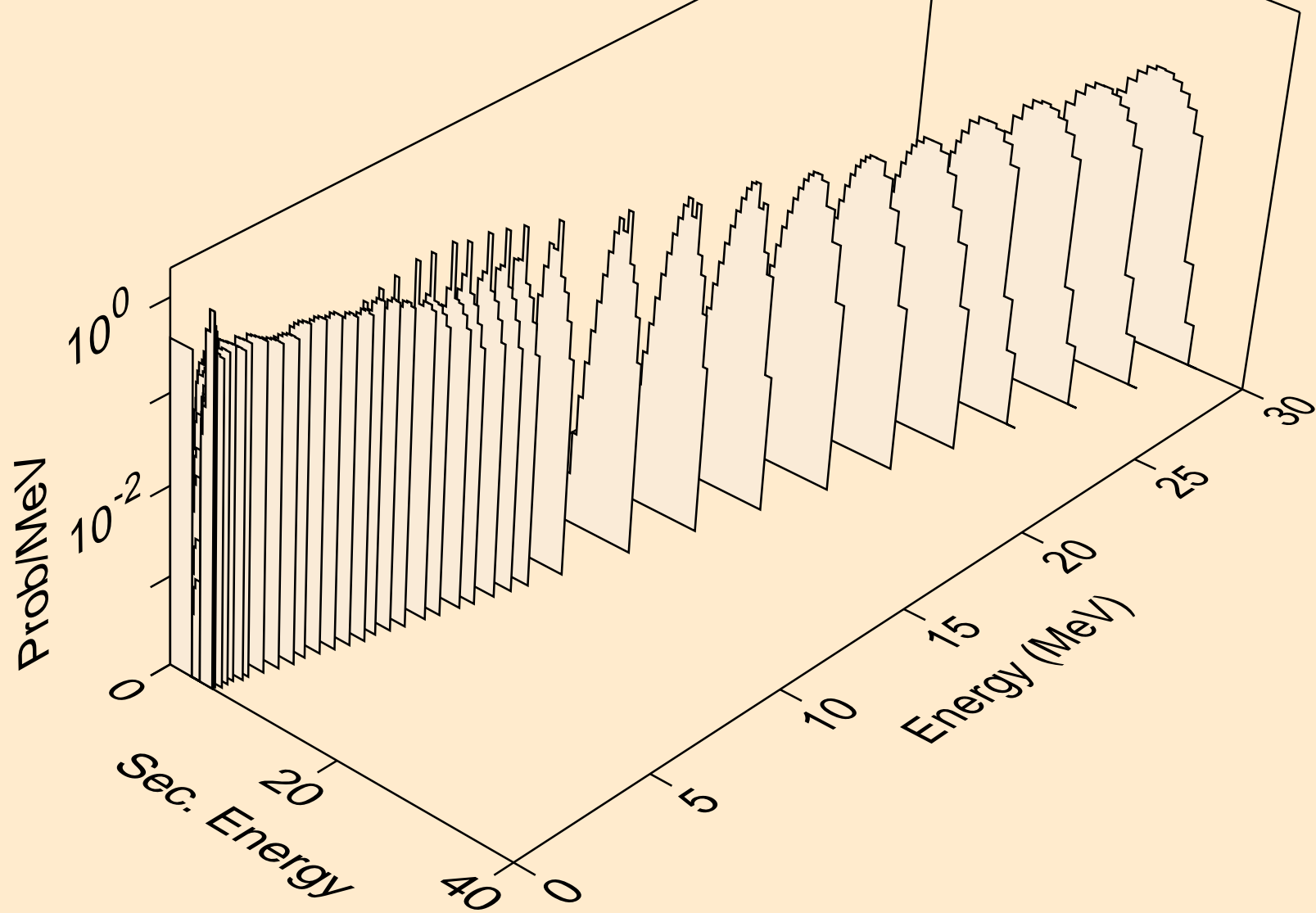
ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
he3s from (n,x)



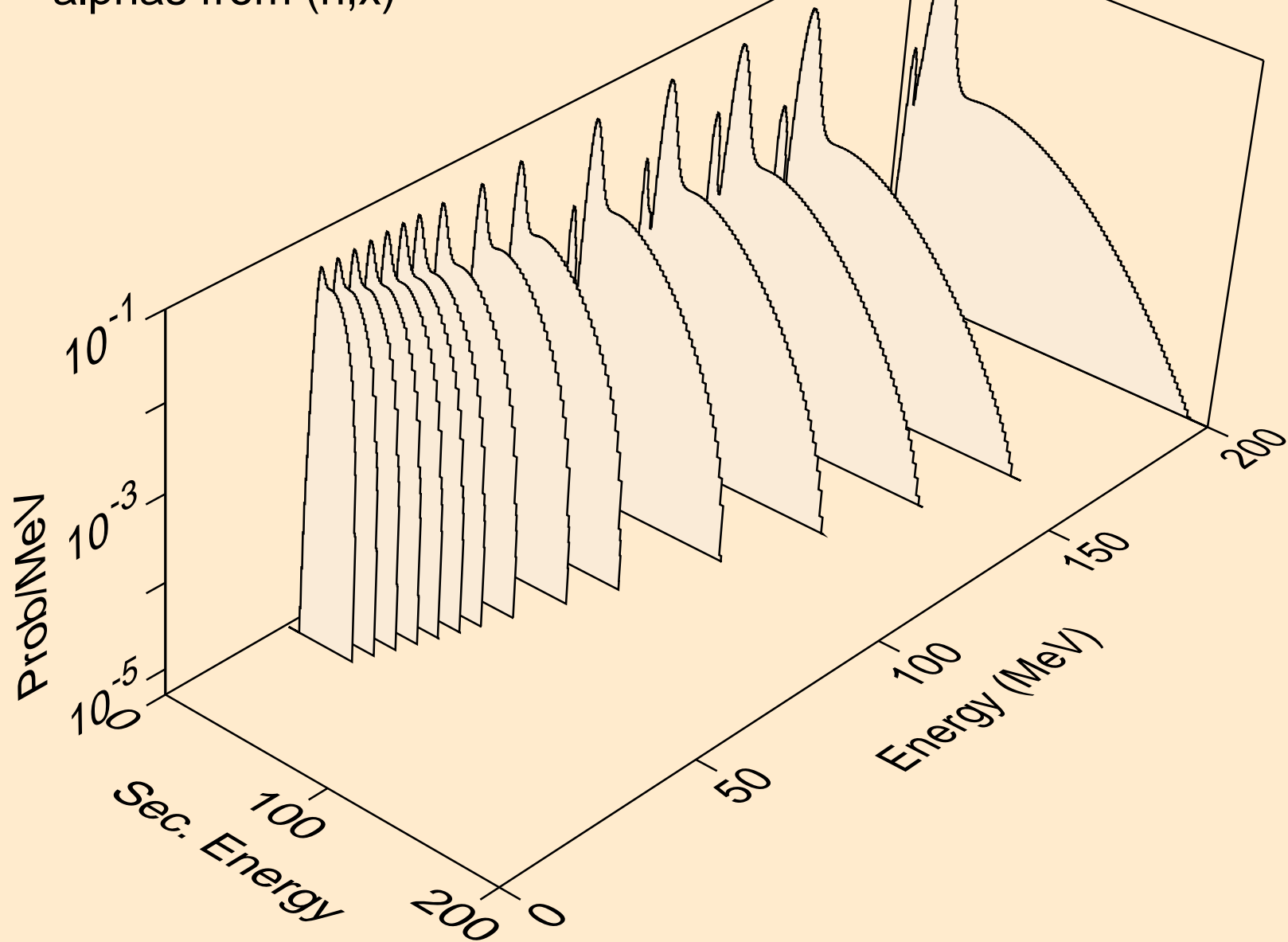
ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
he3s from (n,n\*)he3



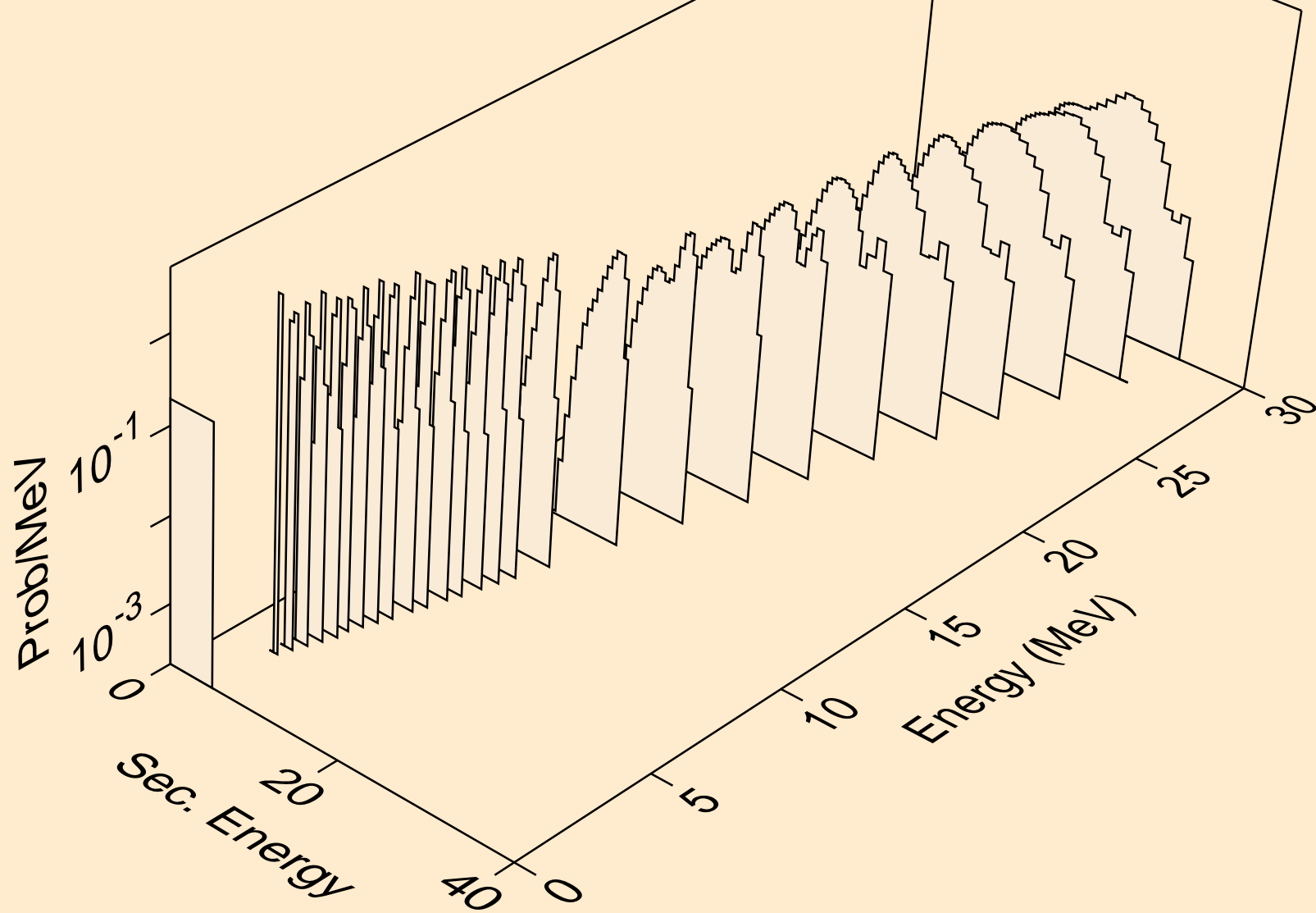
ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
he3s from (n,he3)



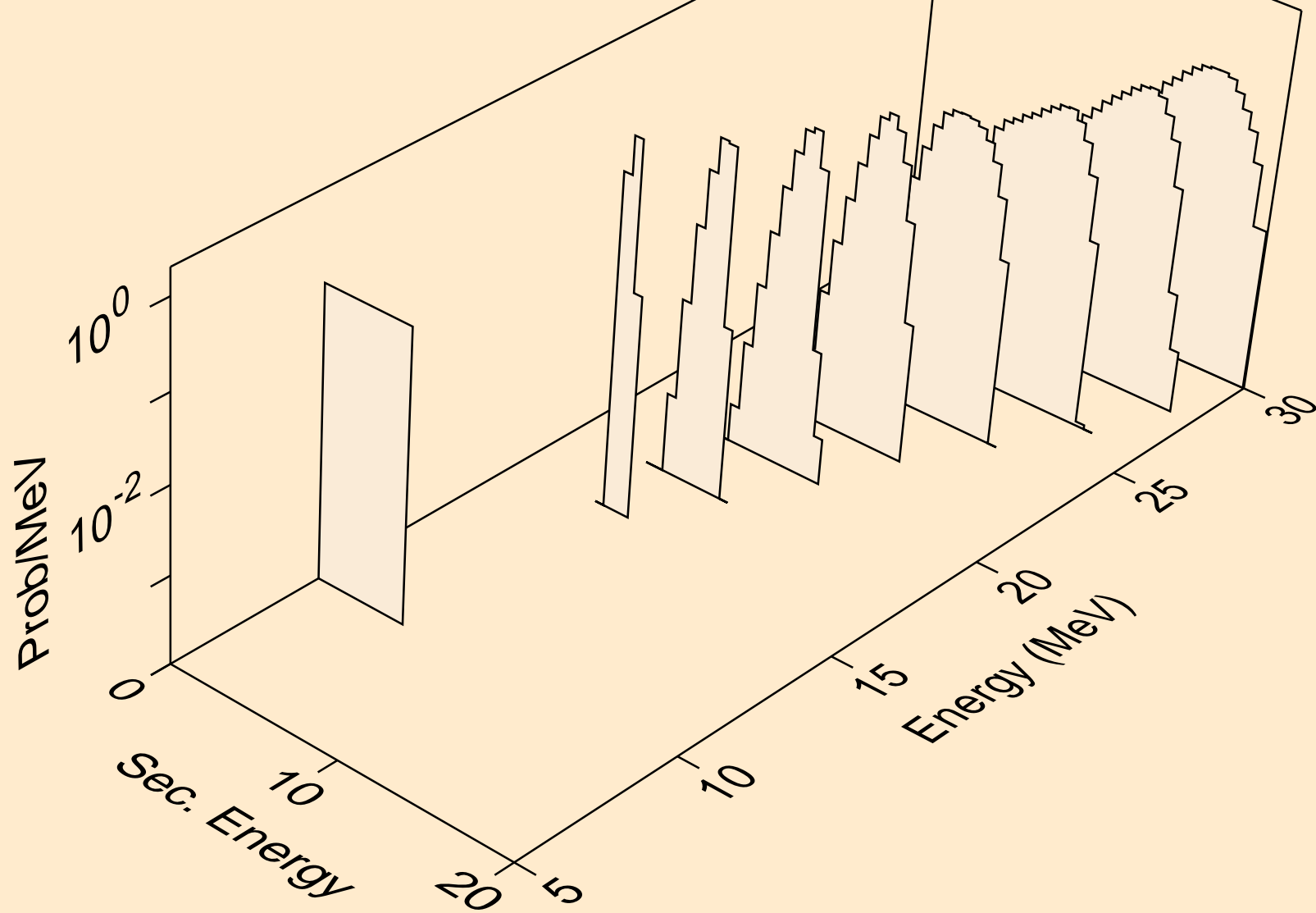
ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,x)



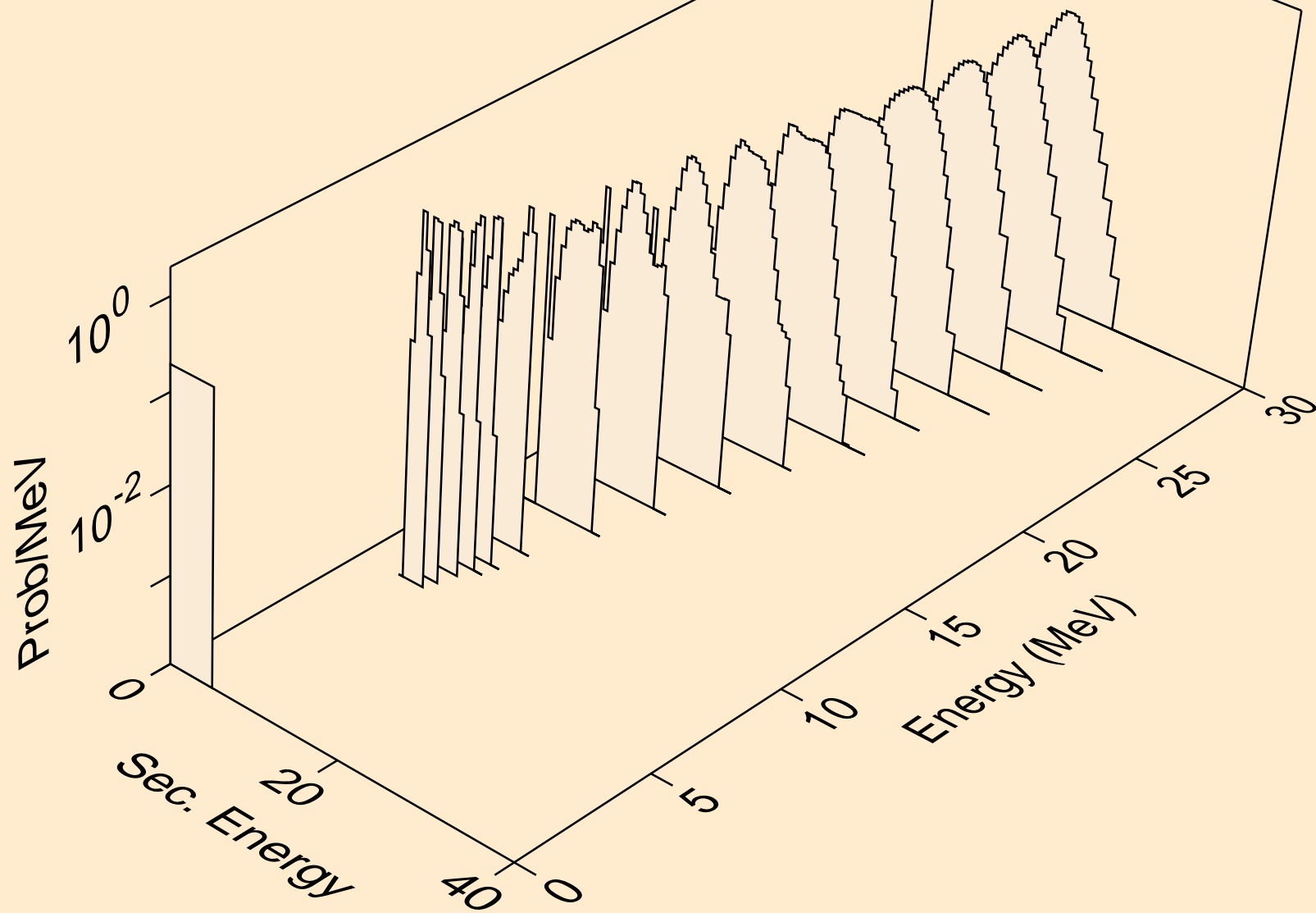
ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,n\*)a



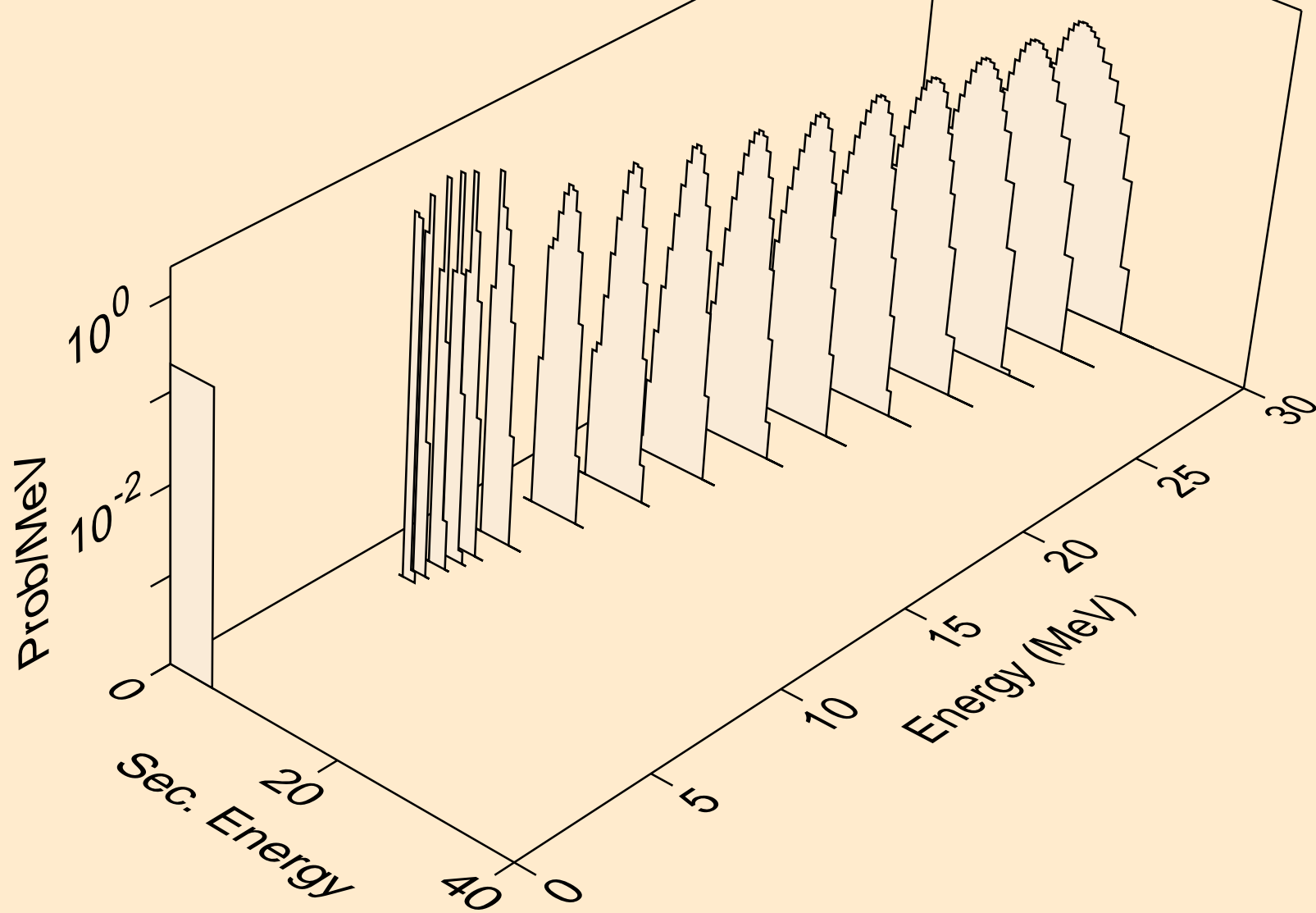
ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2n)a



ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,n\*)2a

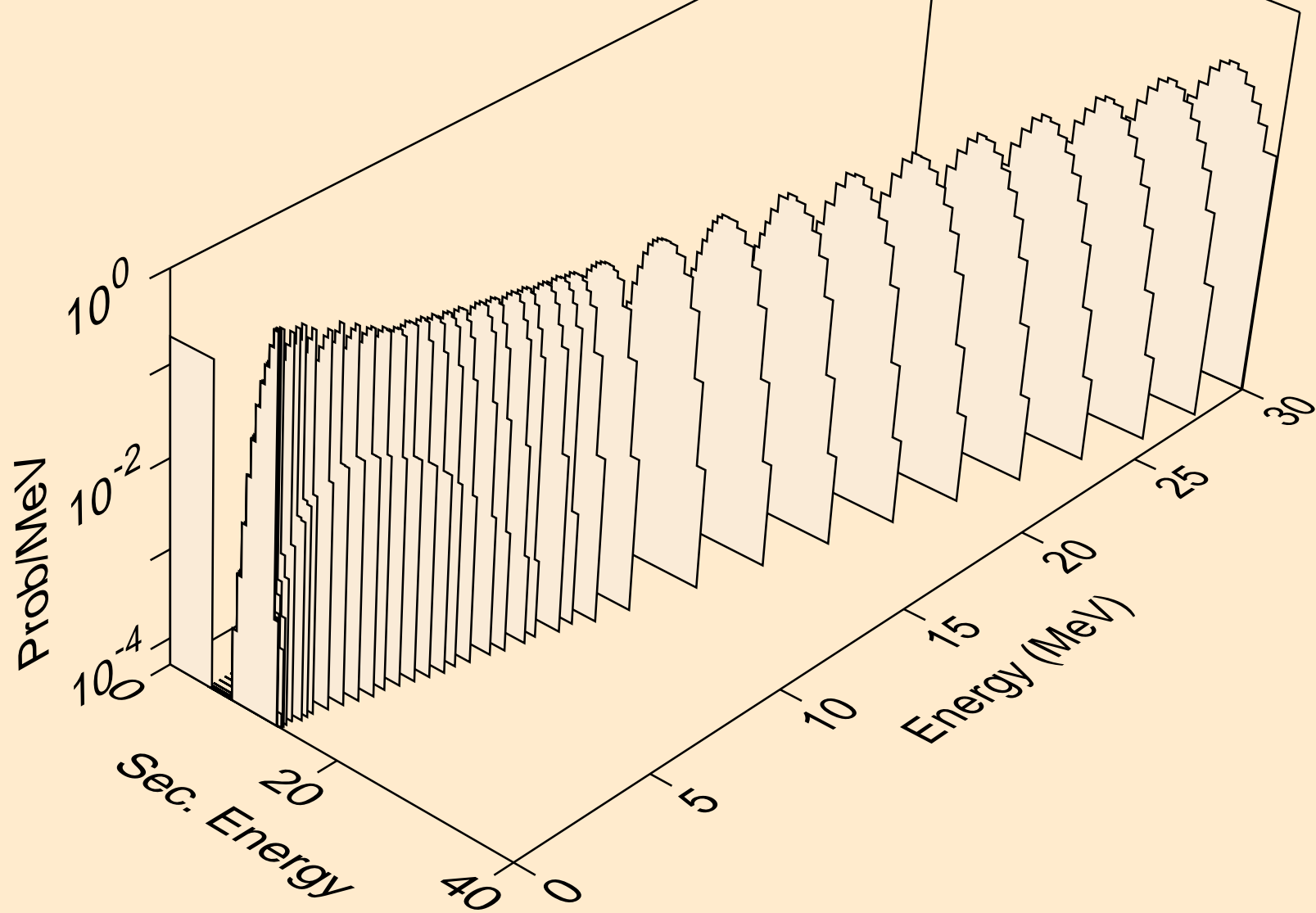


ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,npa)

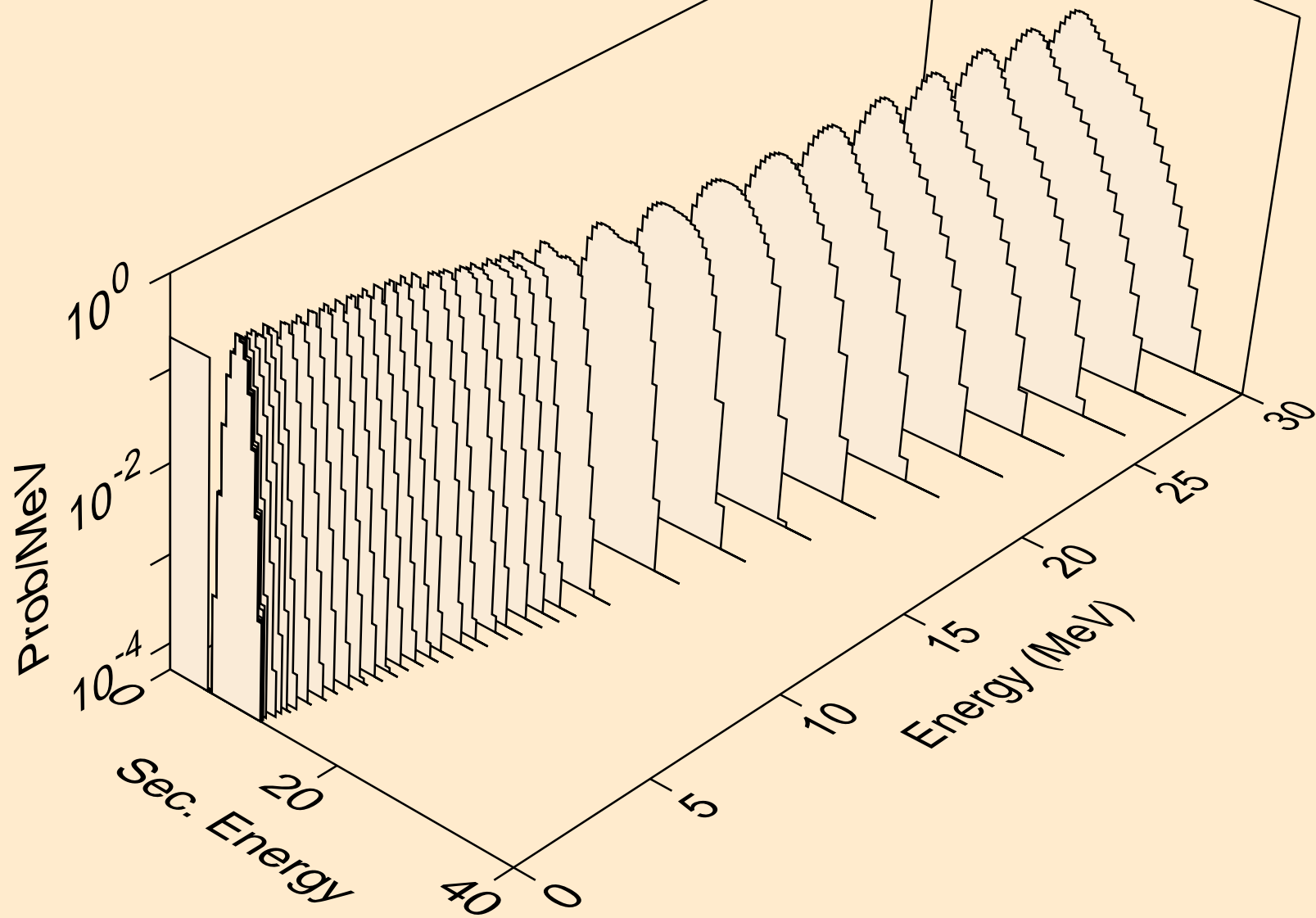




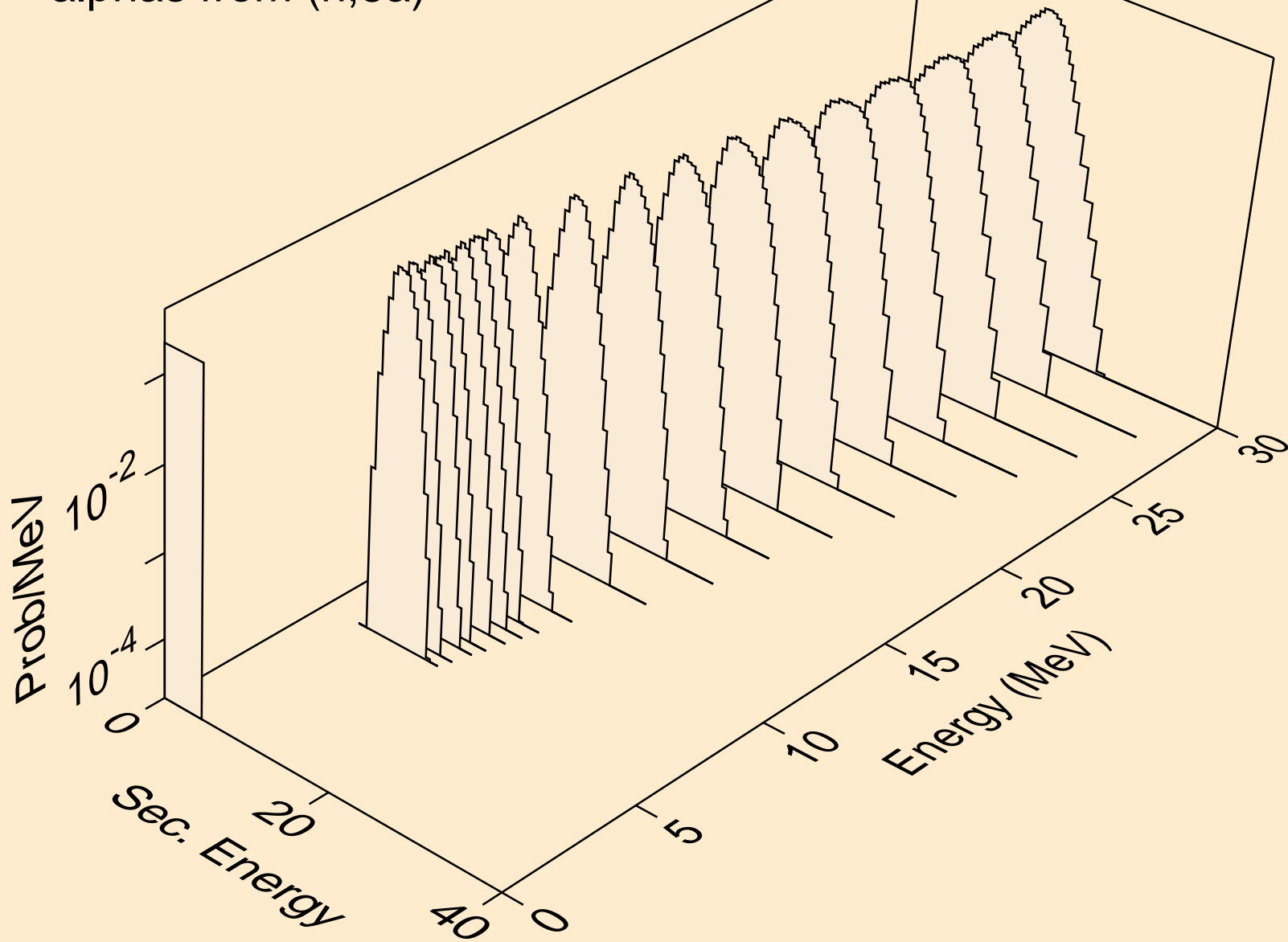
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alphas from (n,a)



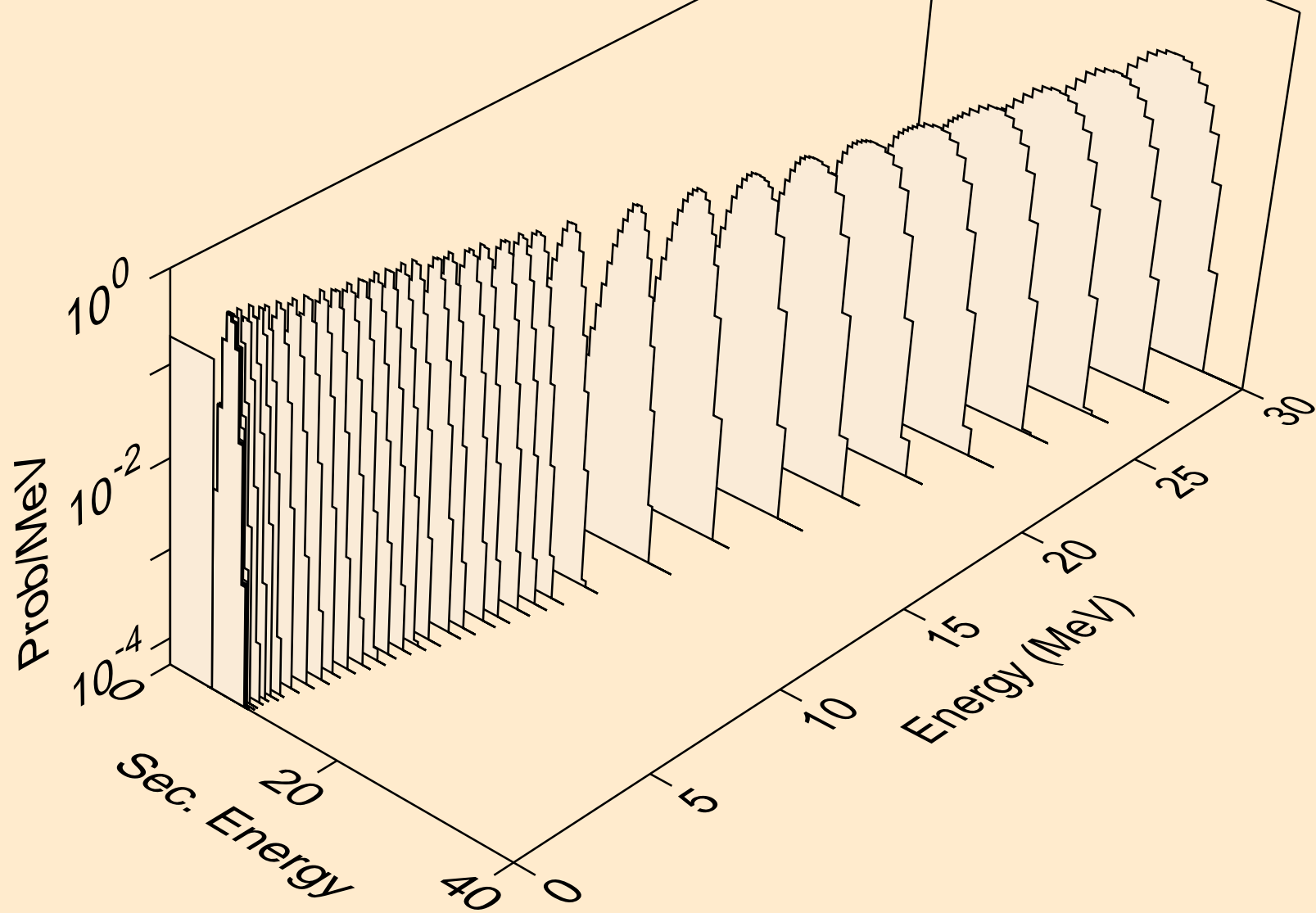
ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2a)



ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,3a)



ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,pa)



ER146 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,da)

