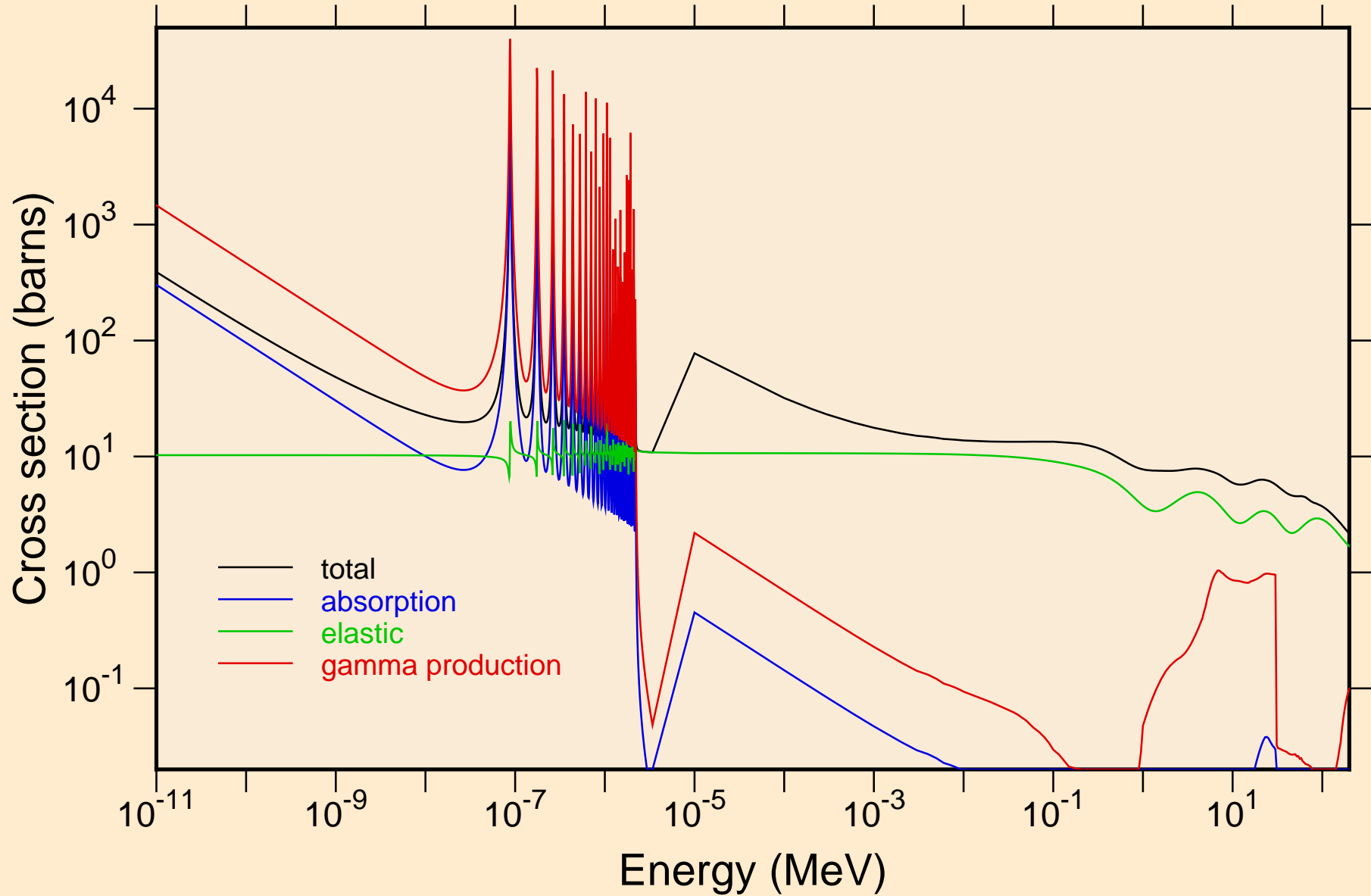
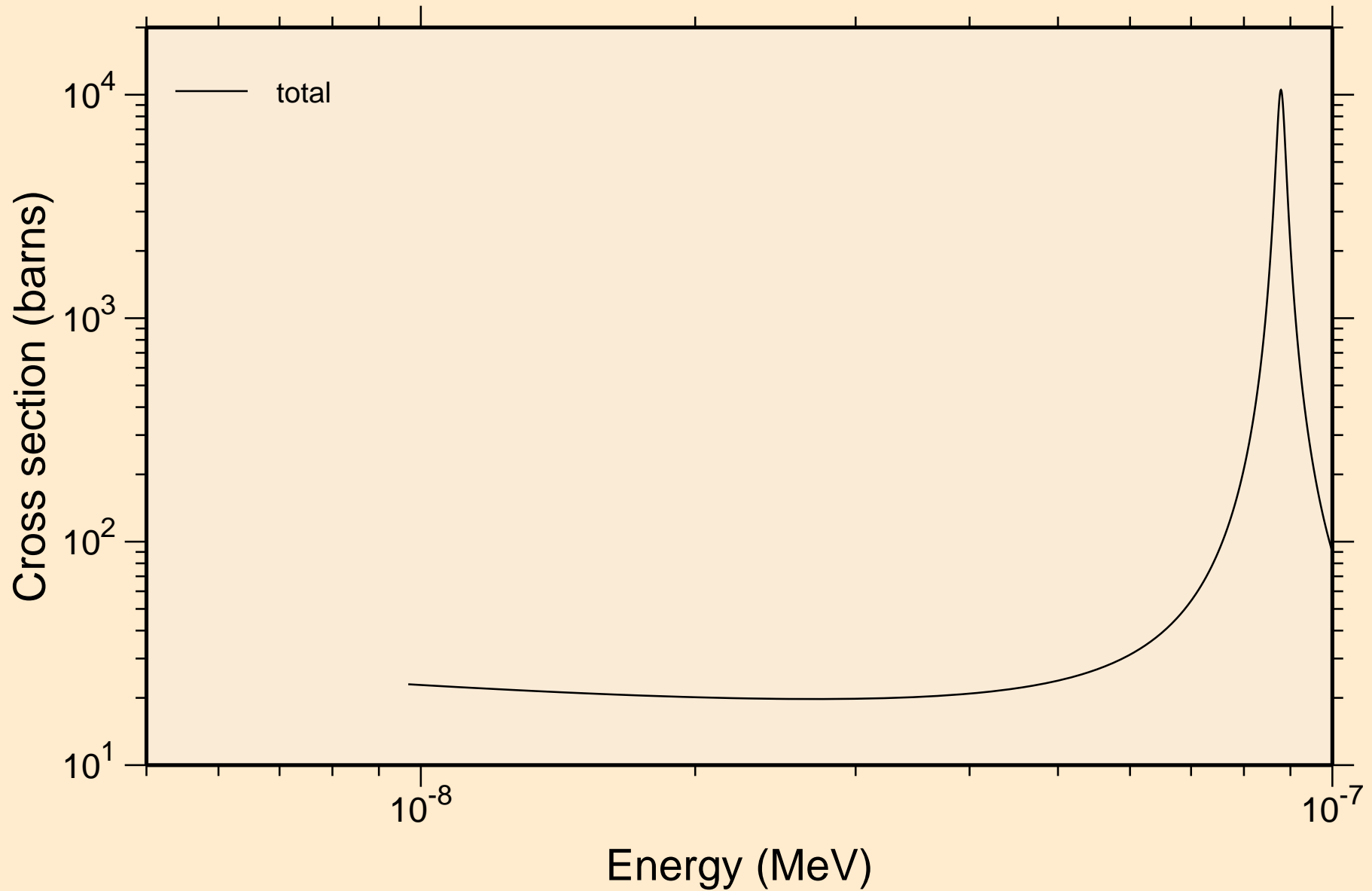


# ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

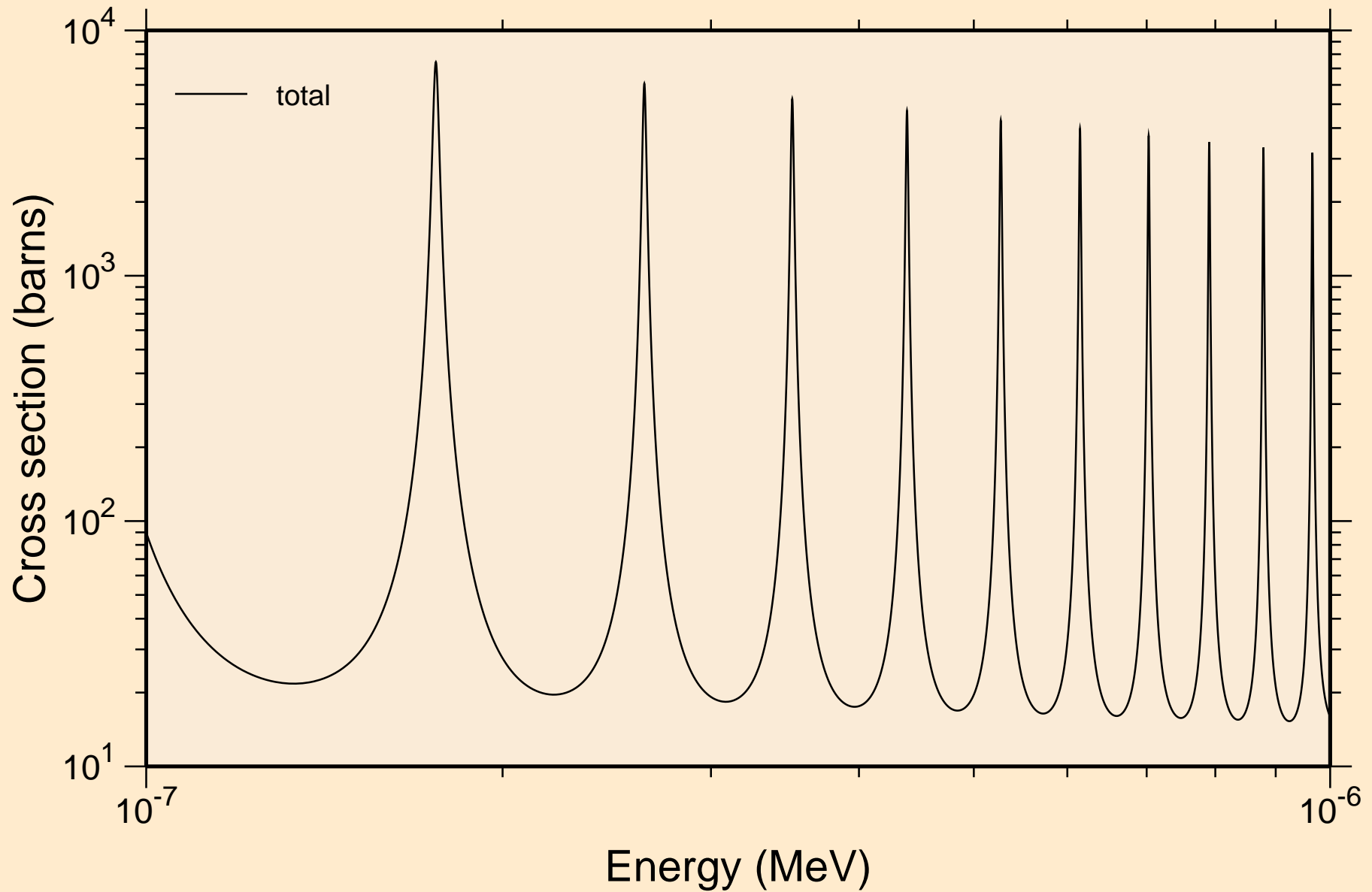
## Principal cross sections



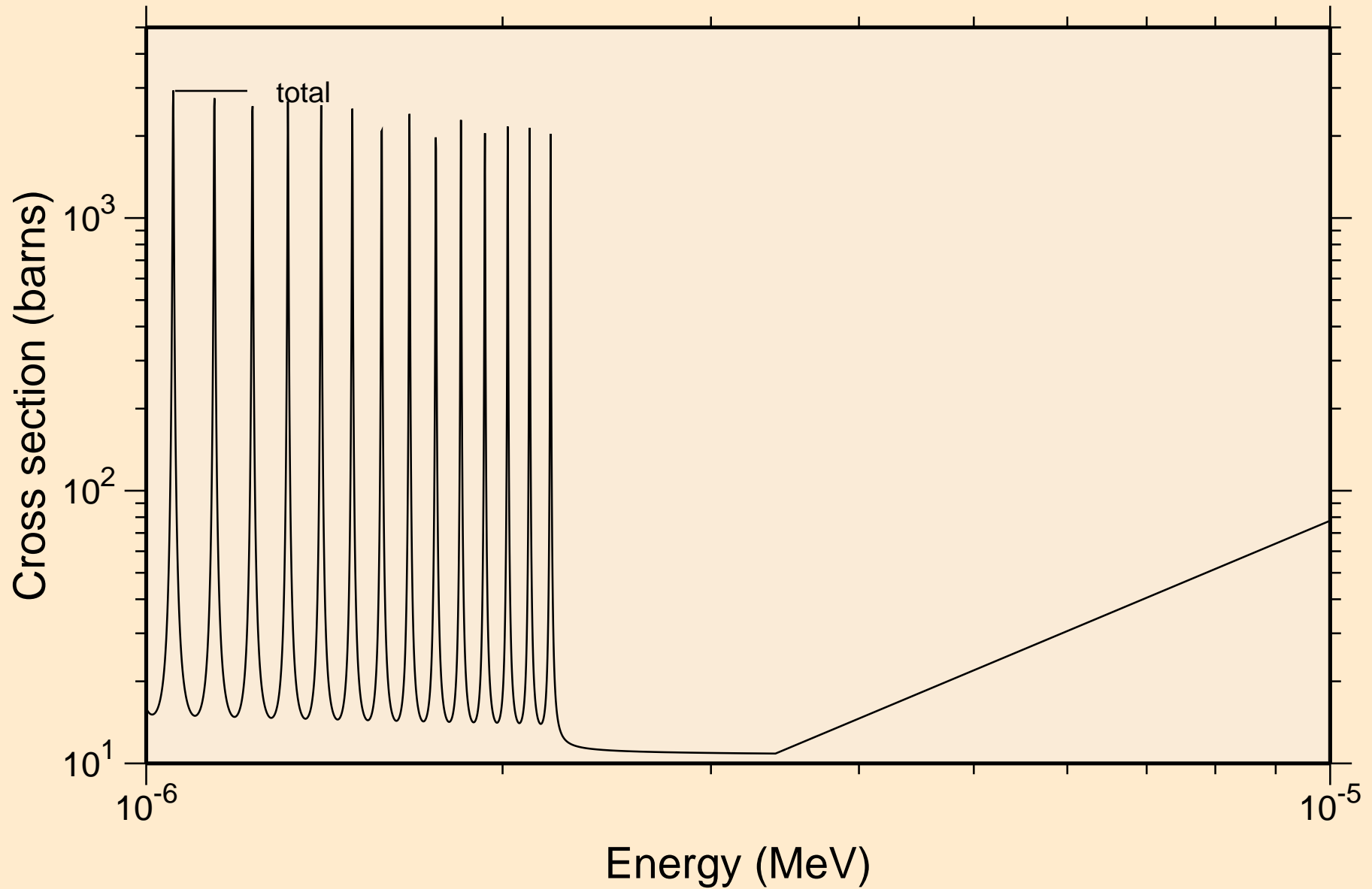
ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



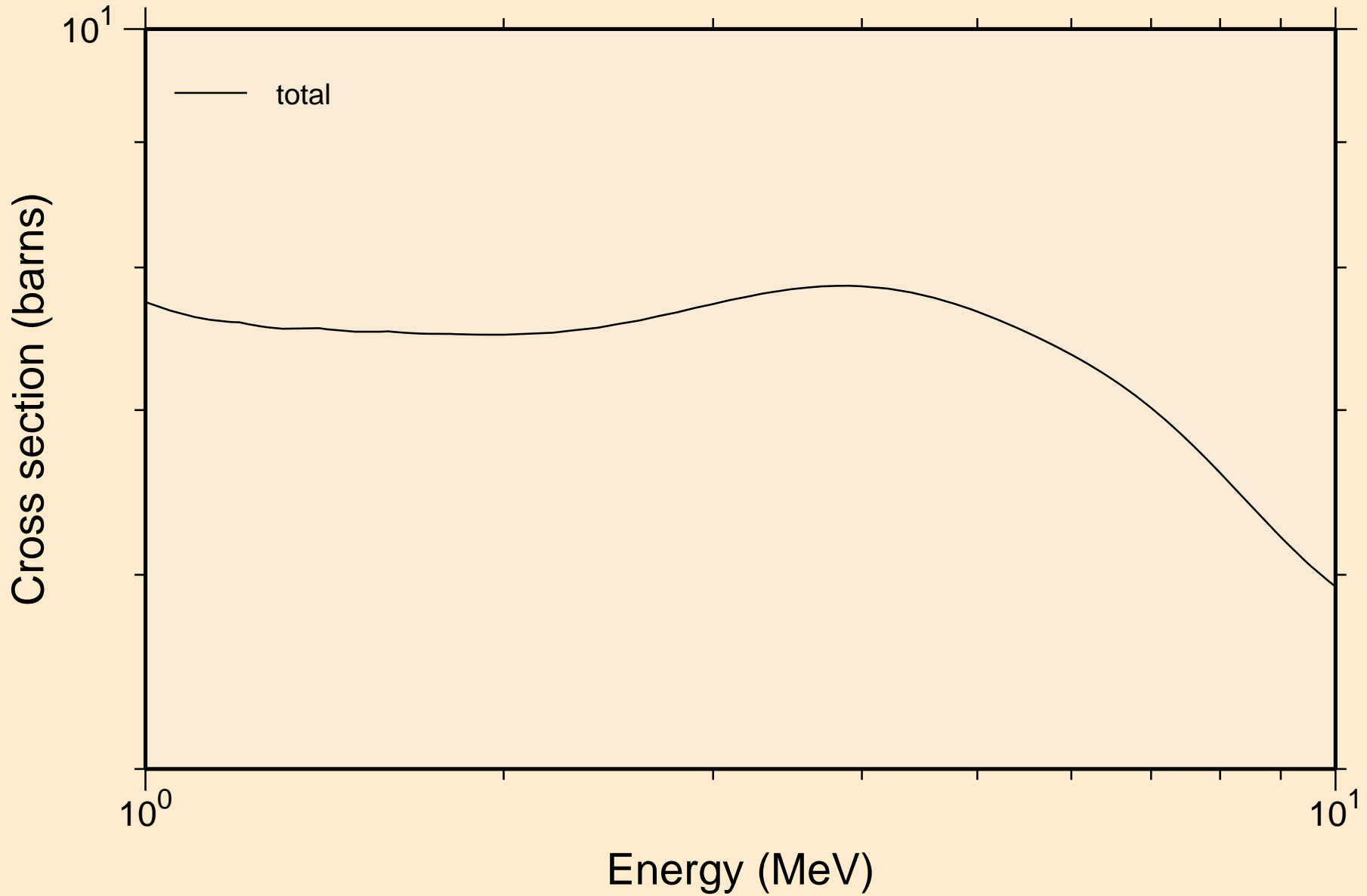
ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



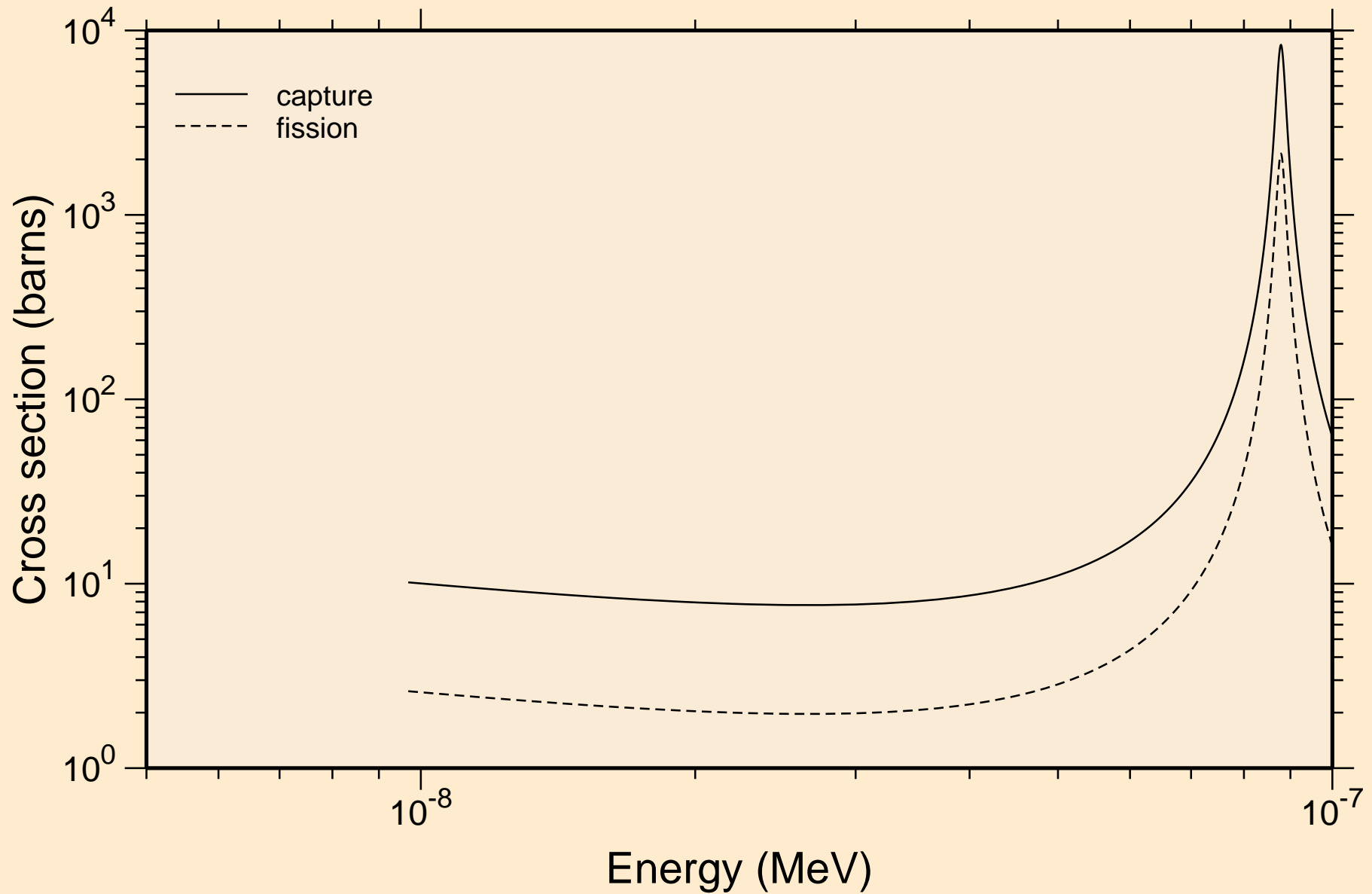
ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



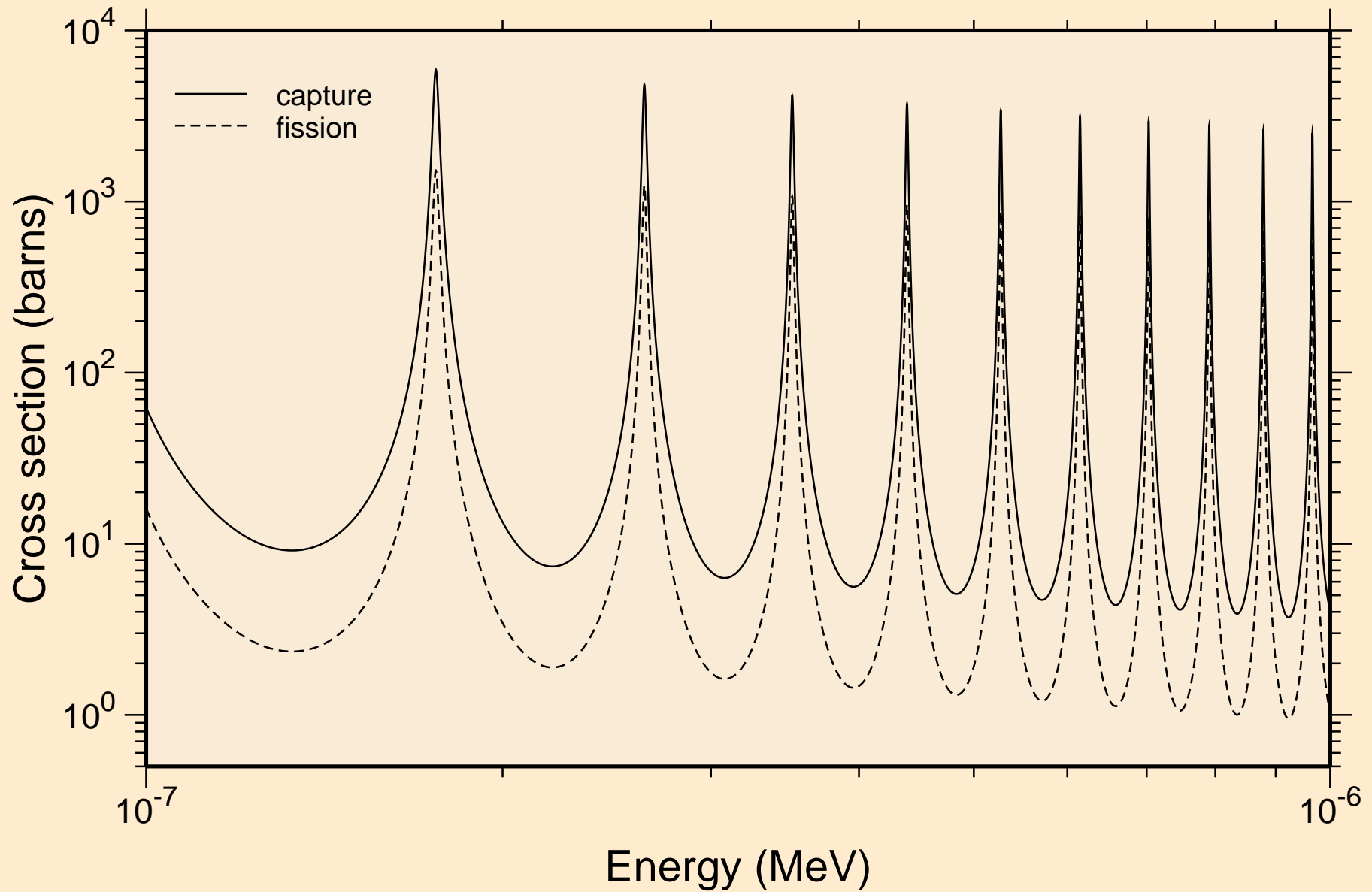
ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



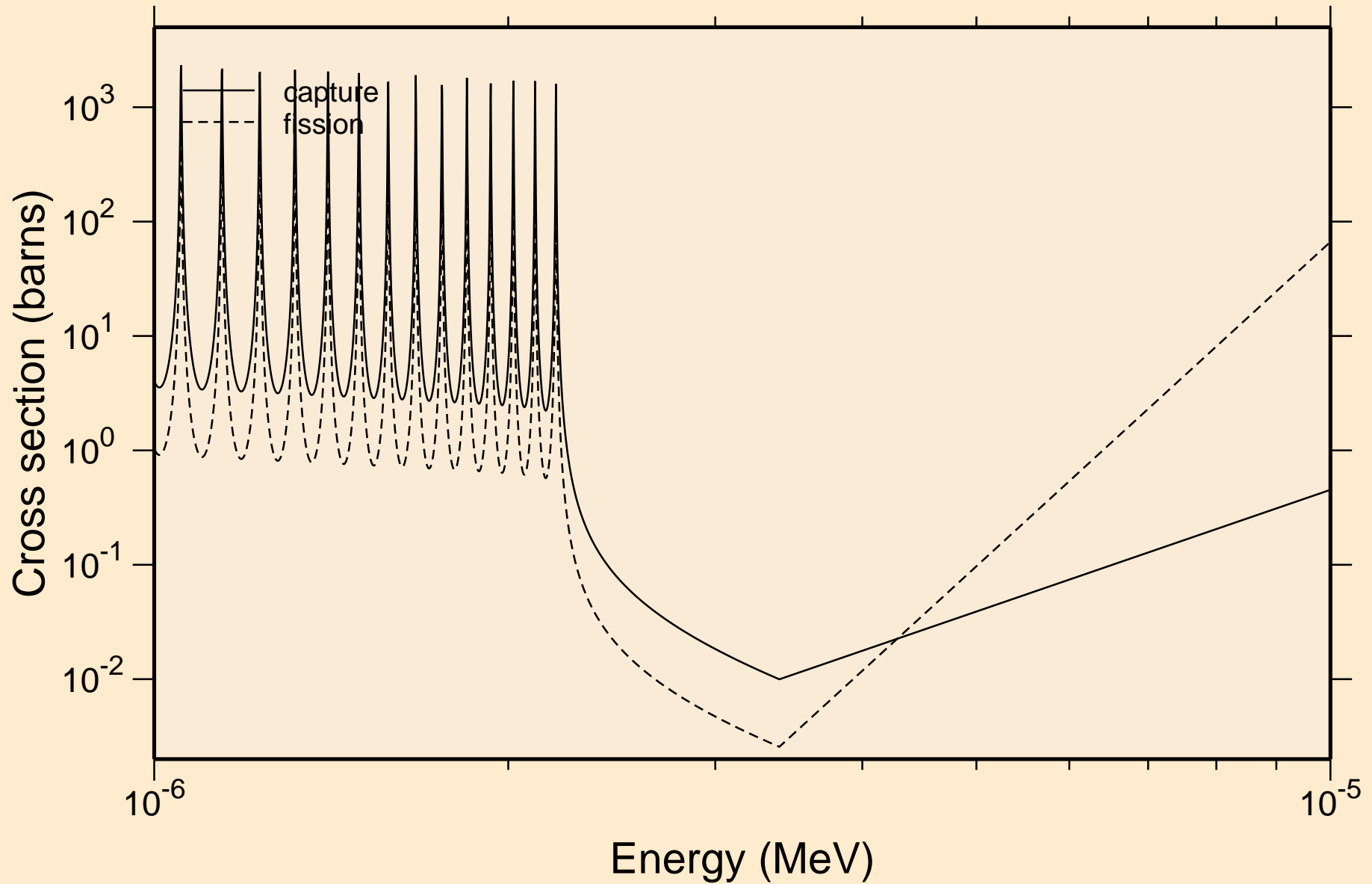
ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

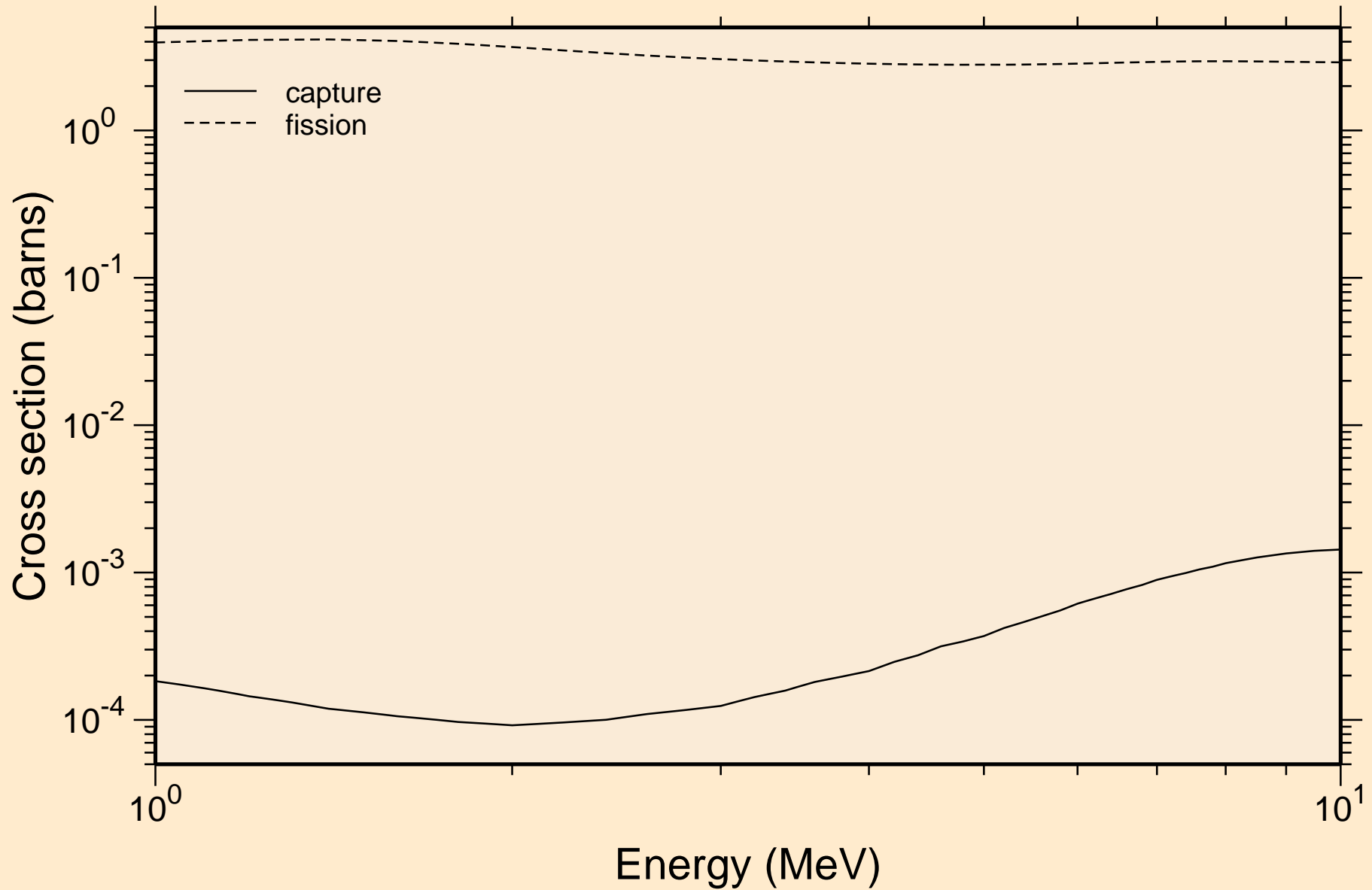


ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



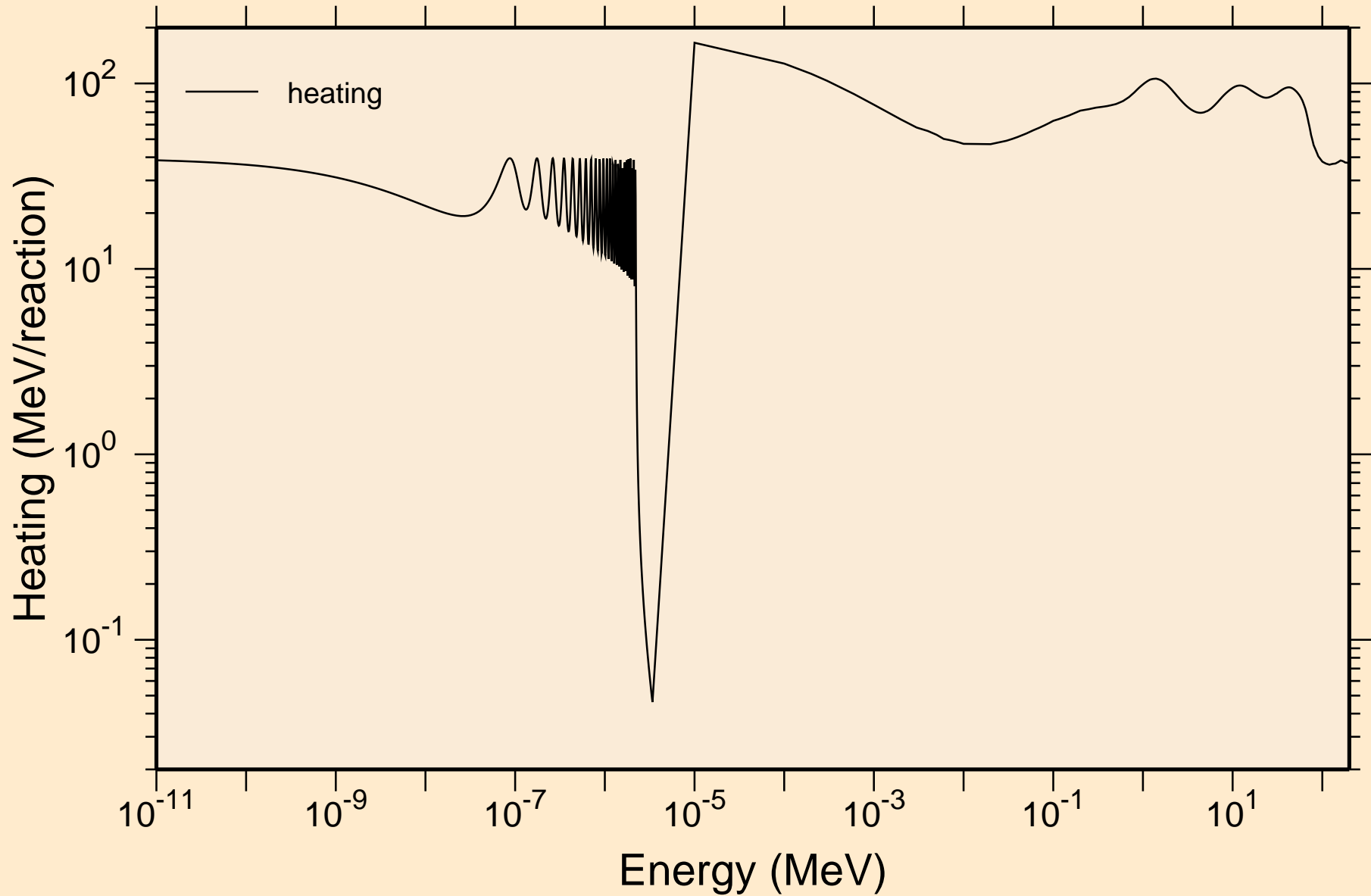


ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



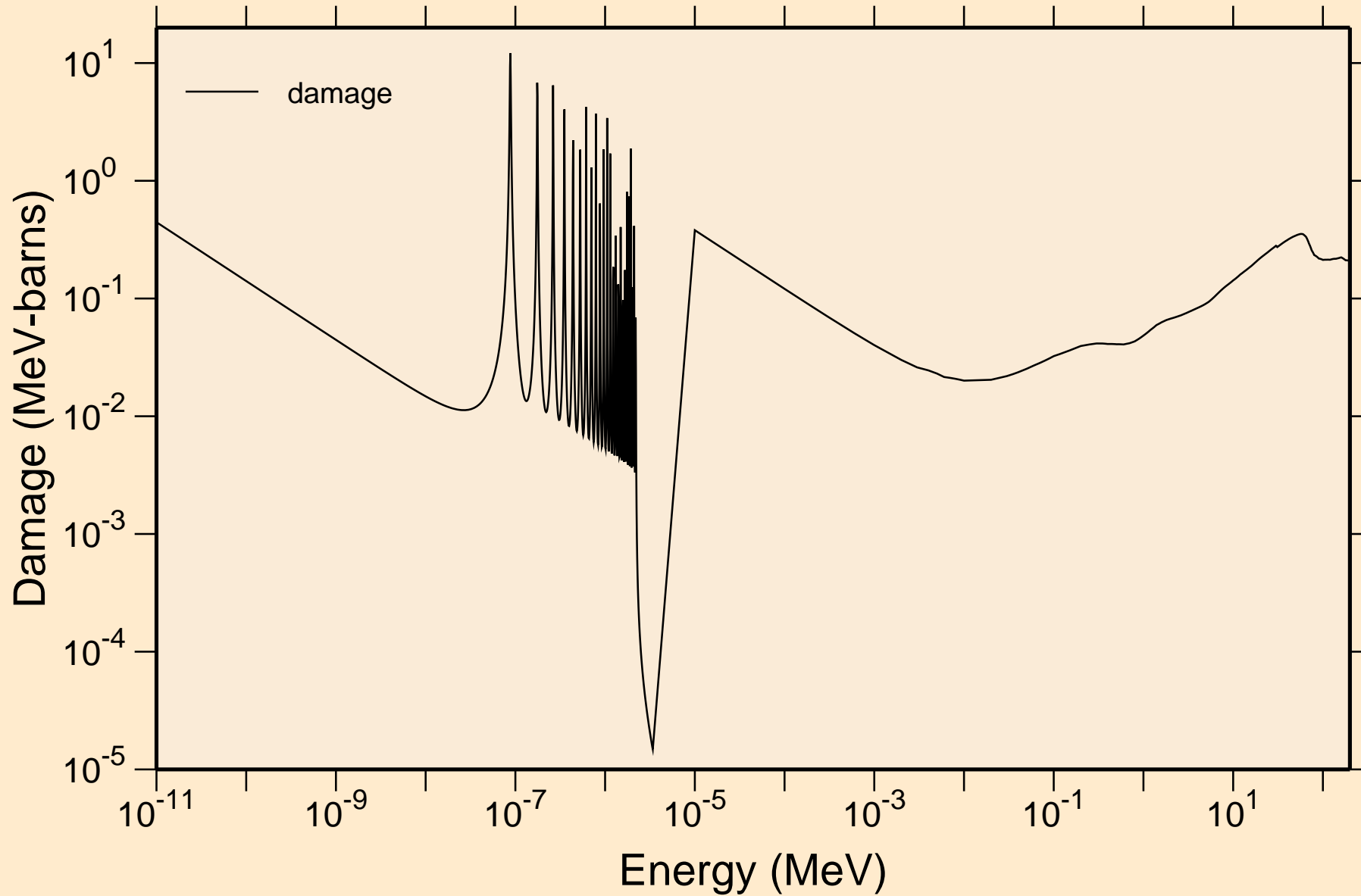
# ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Heating



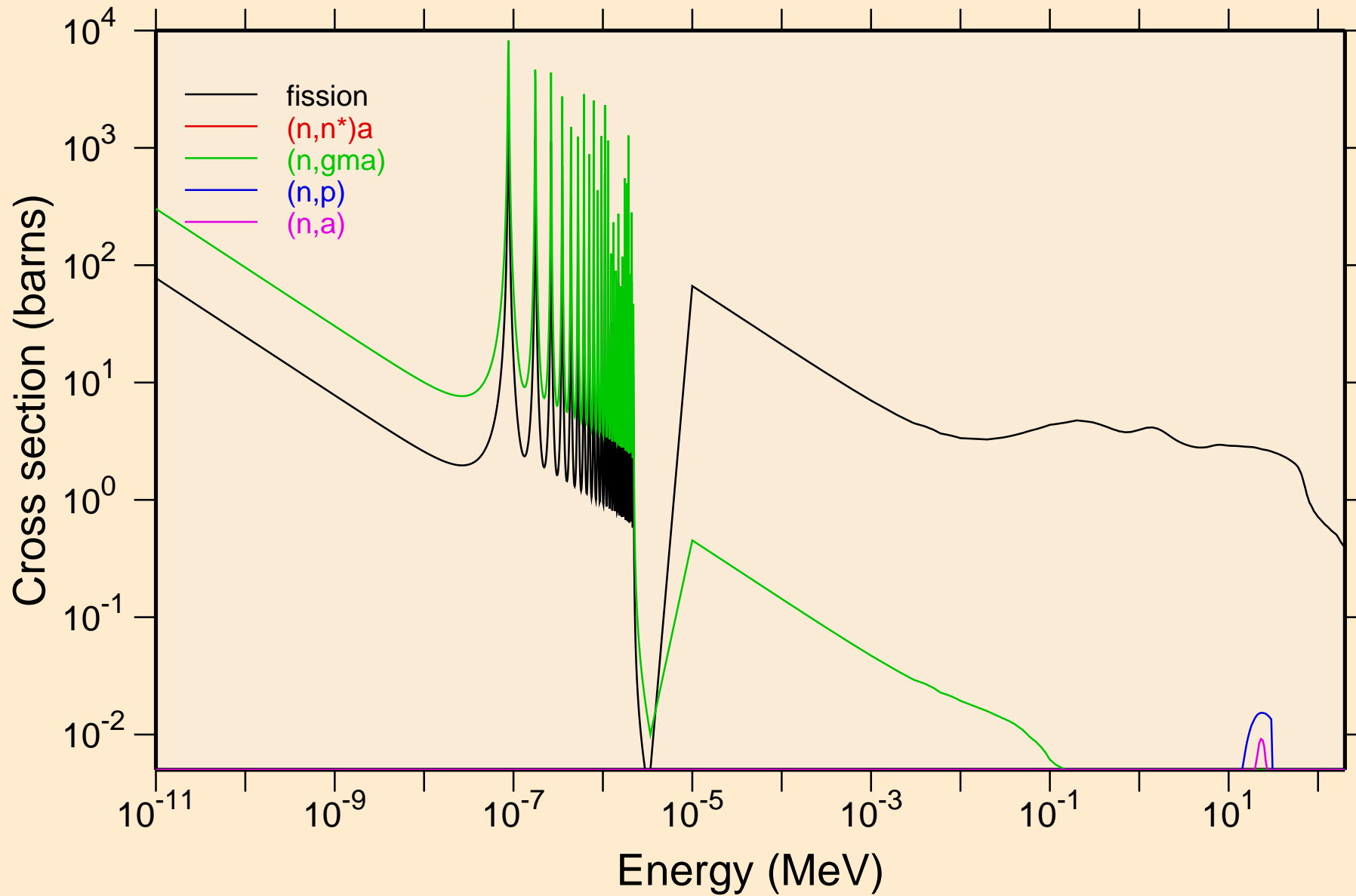
# ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Damage



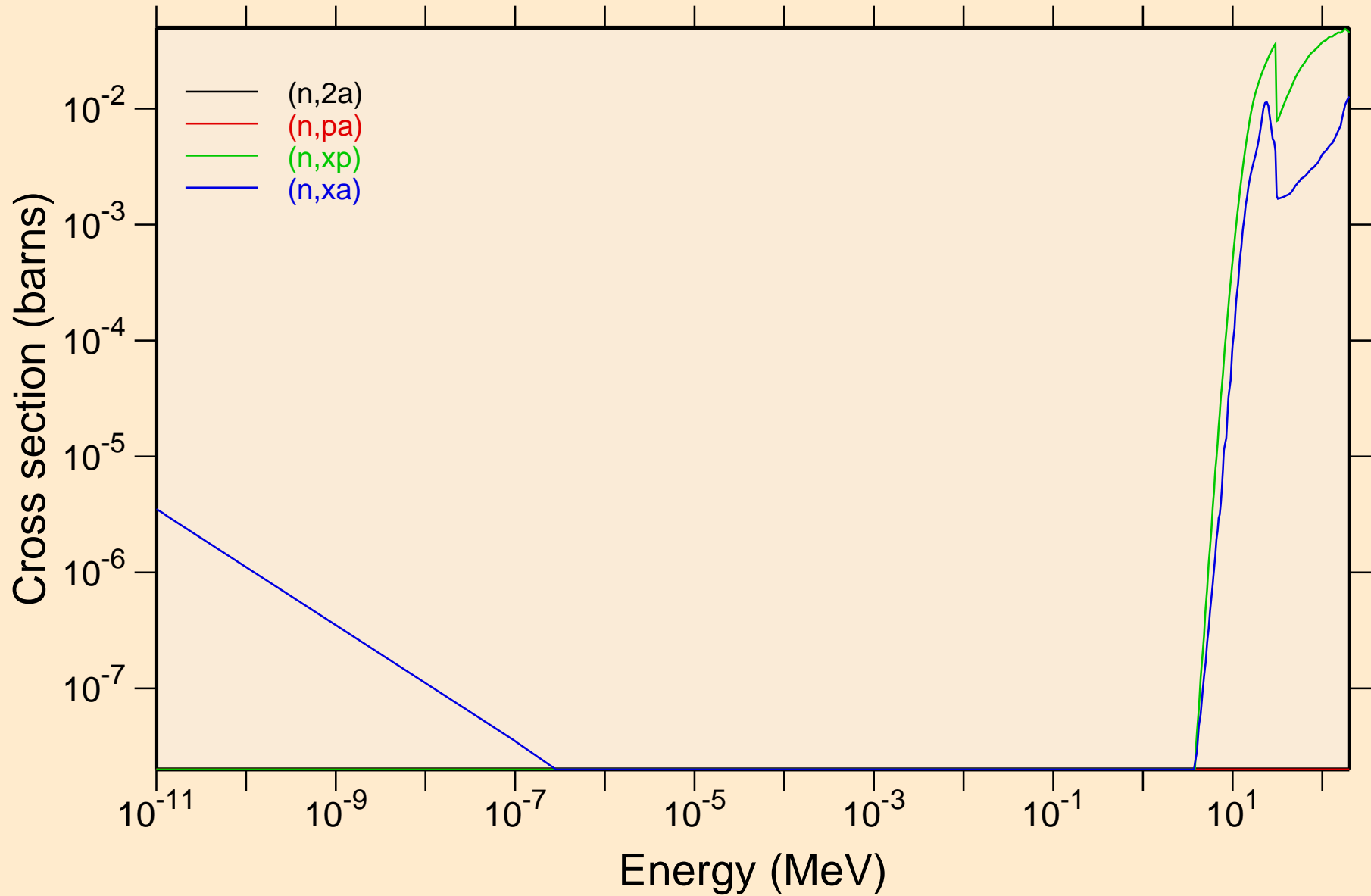
# ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Non-threshold reactions



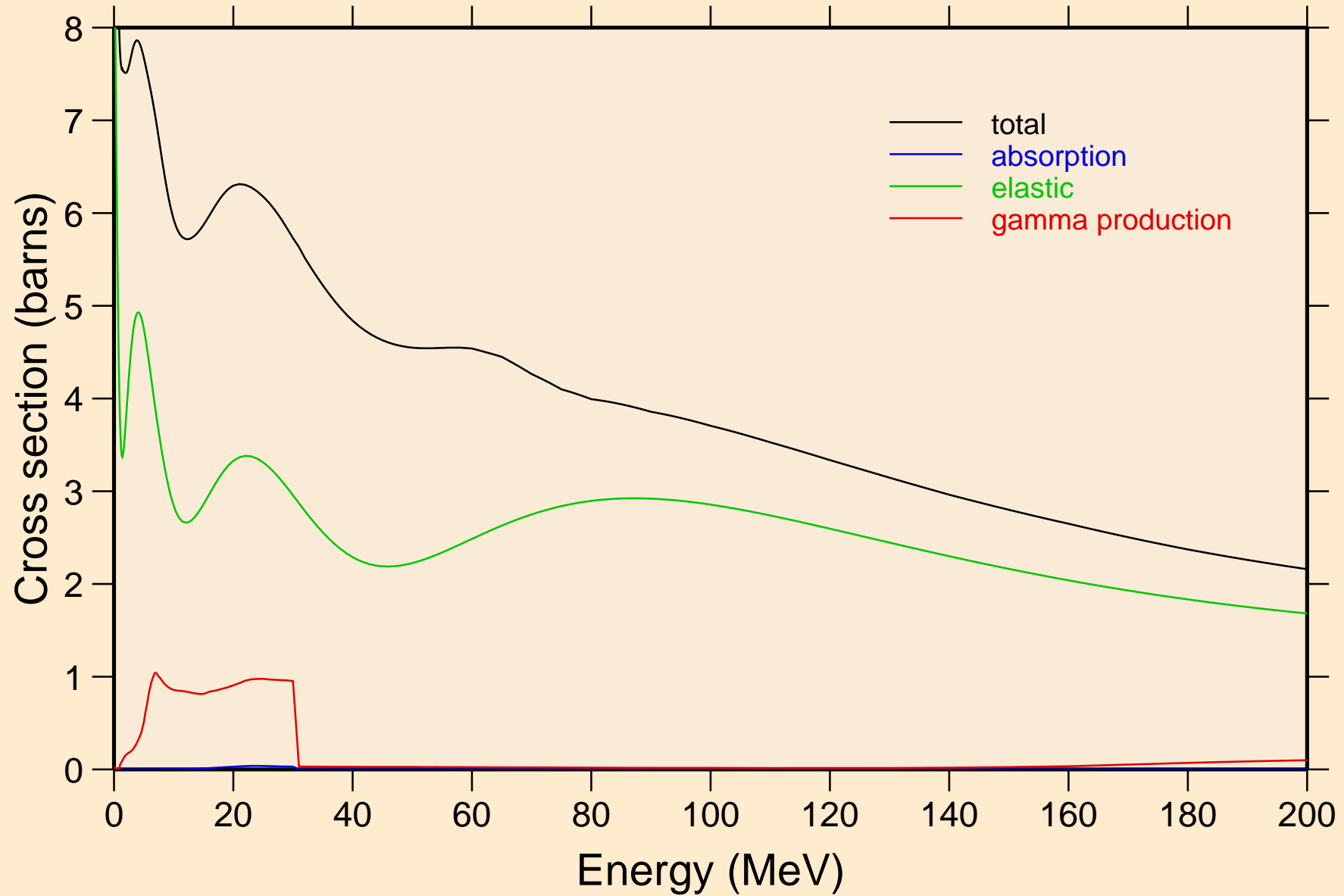
# ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Non-threshold reactions



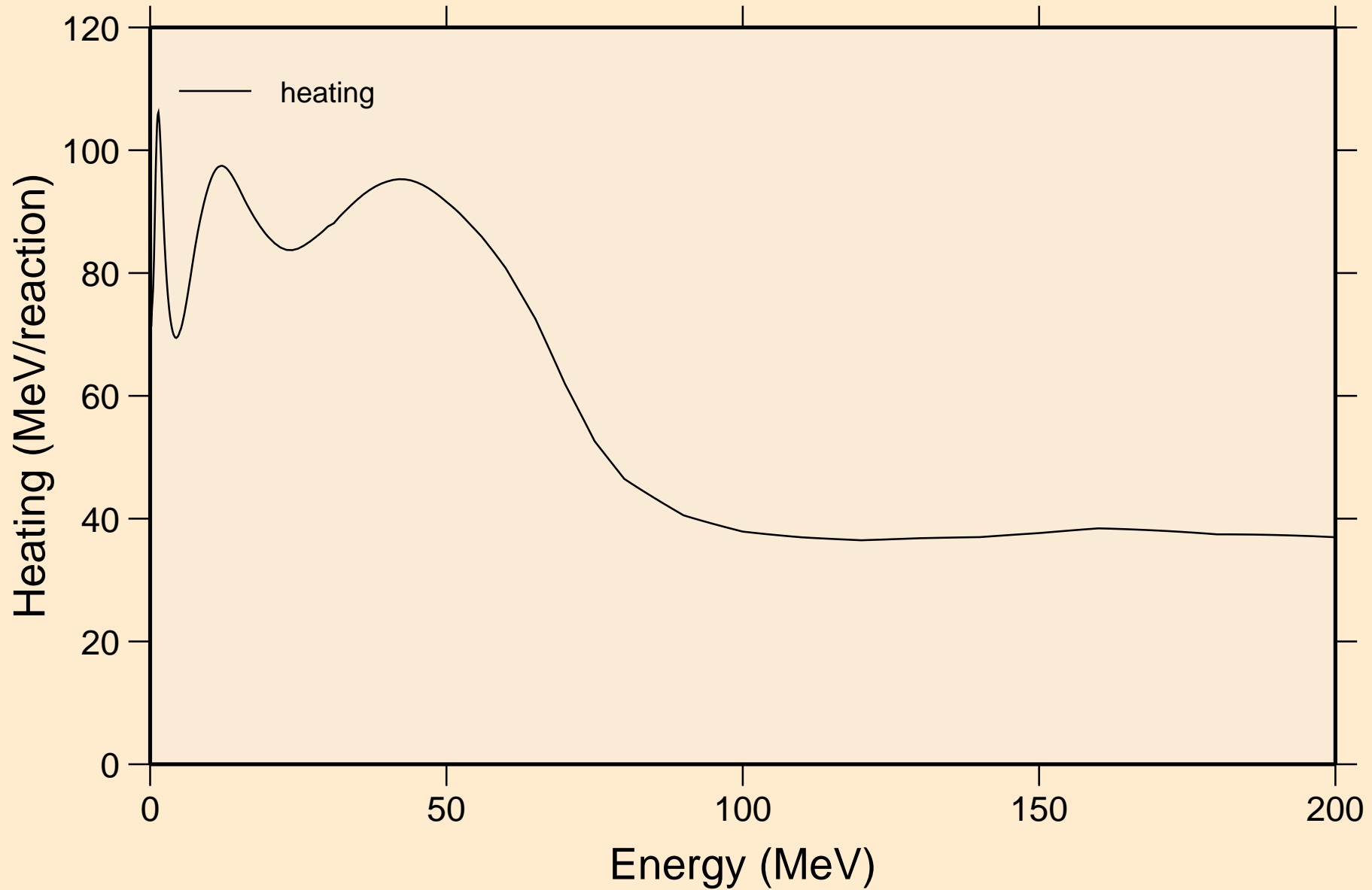
# ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



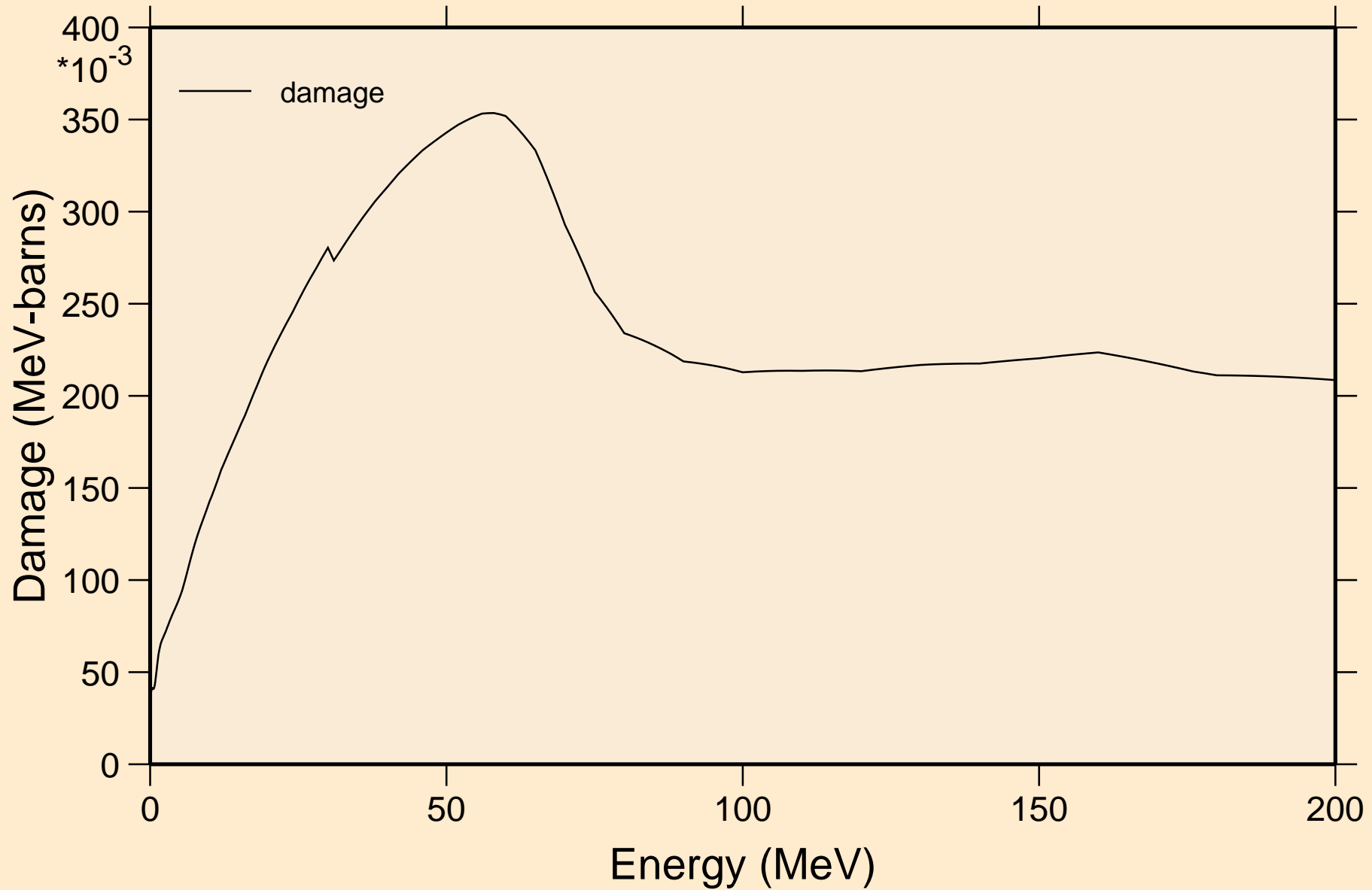
# ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Heating



# ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

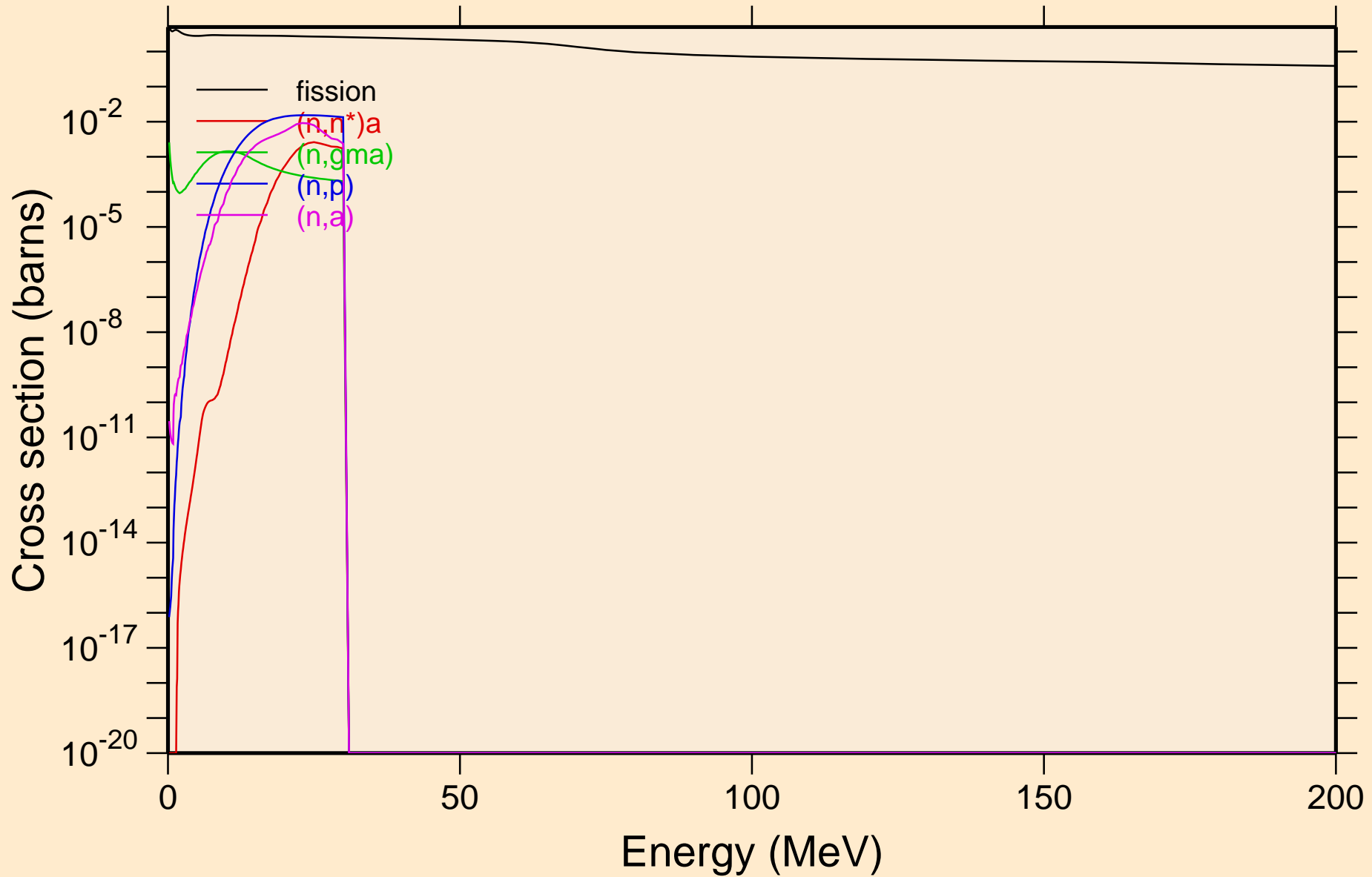
## Damage





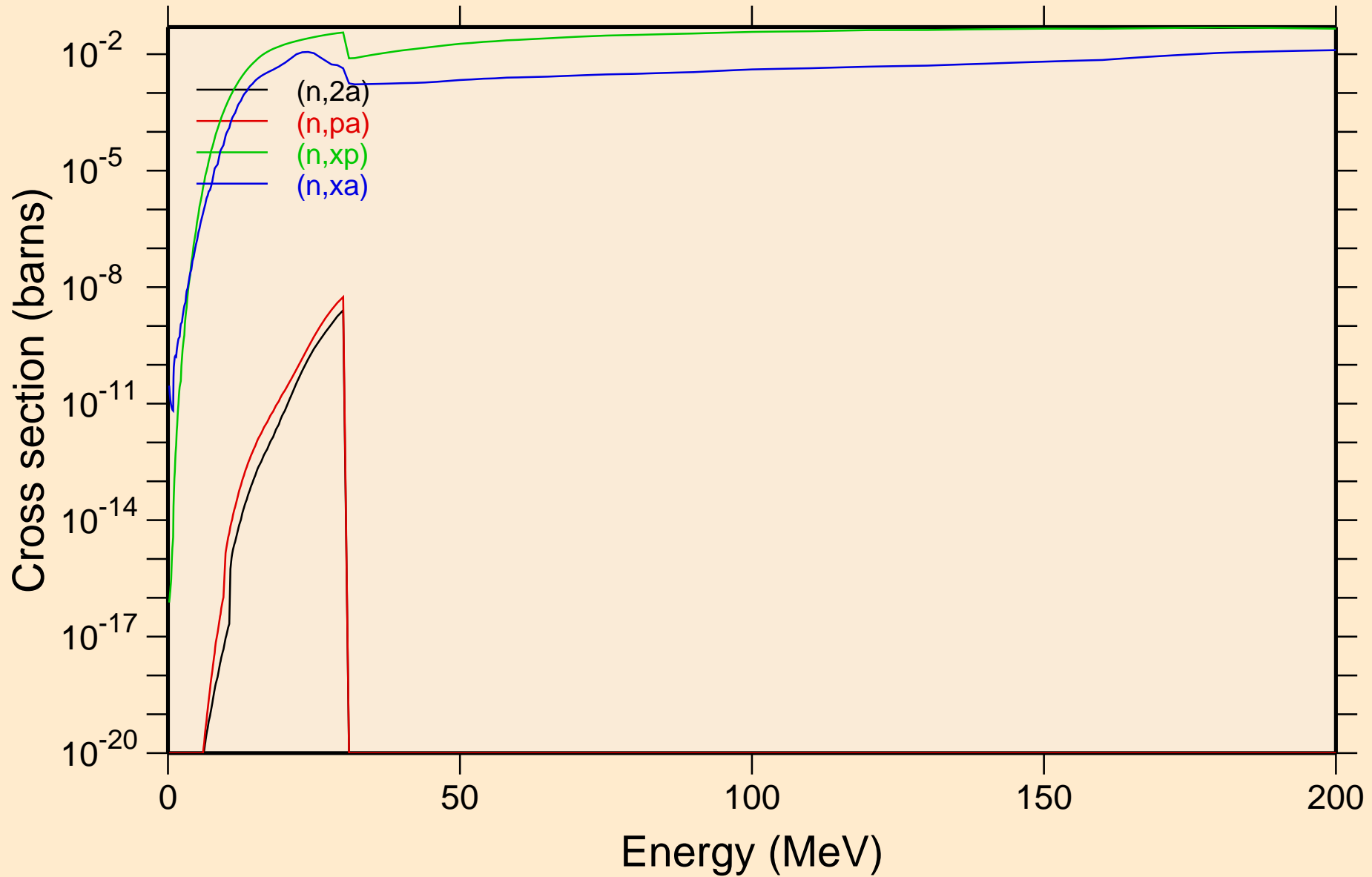
# ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Non-threshold reactions

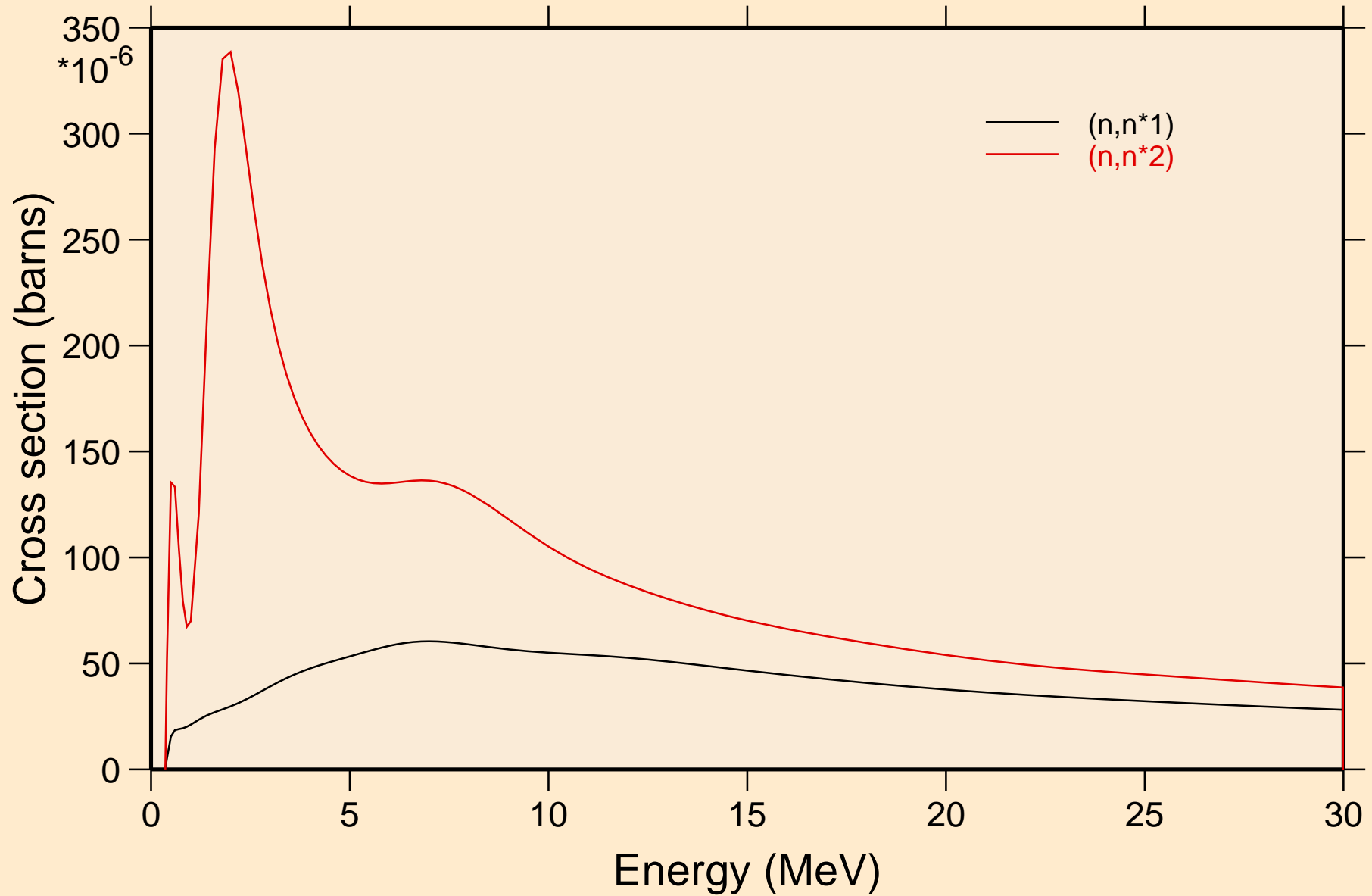


# ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Non-threshold reactions

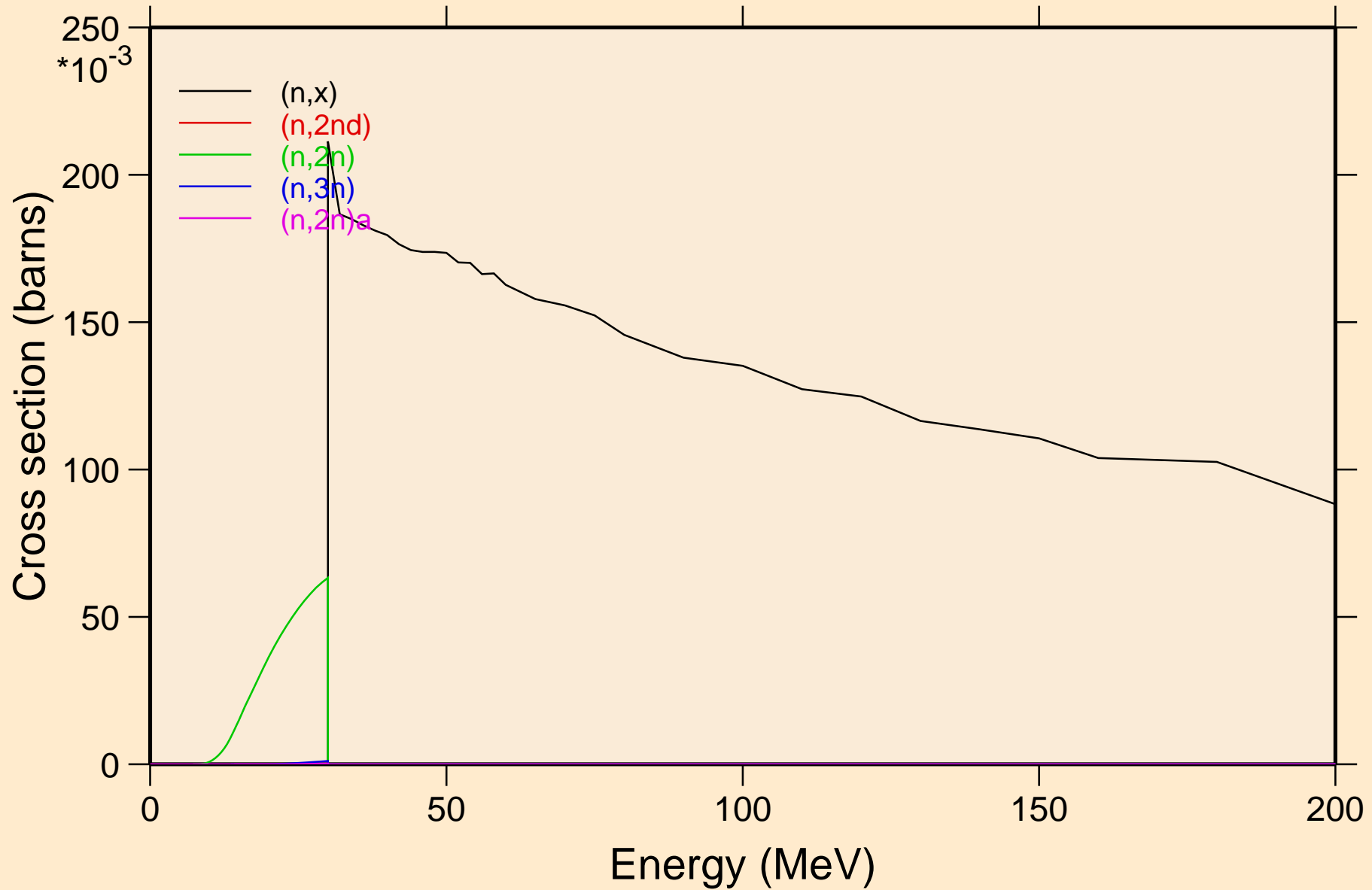


ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

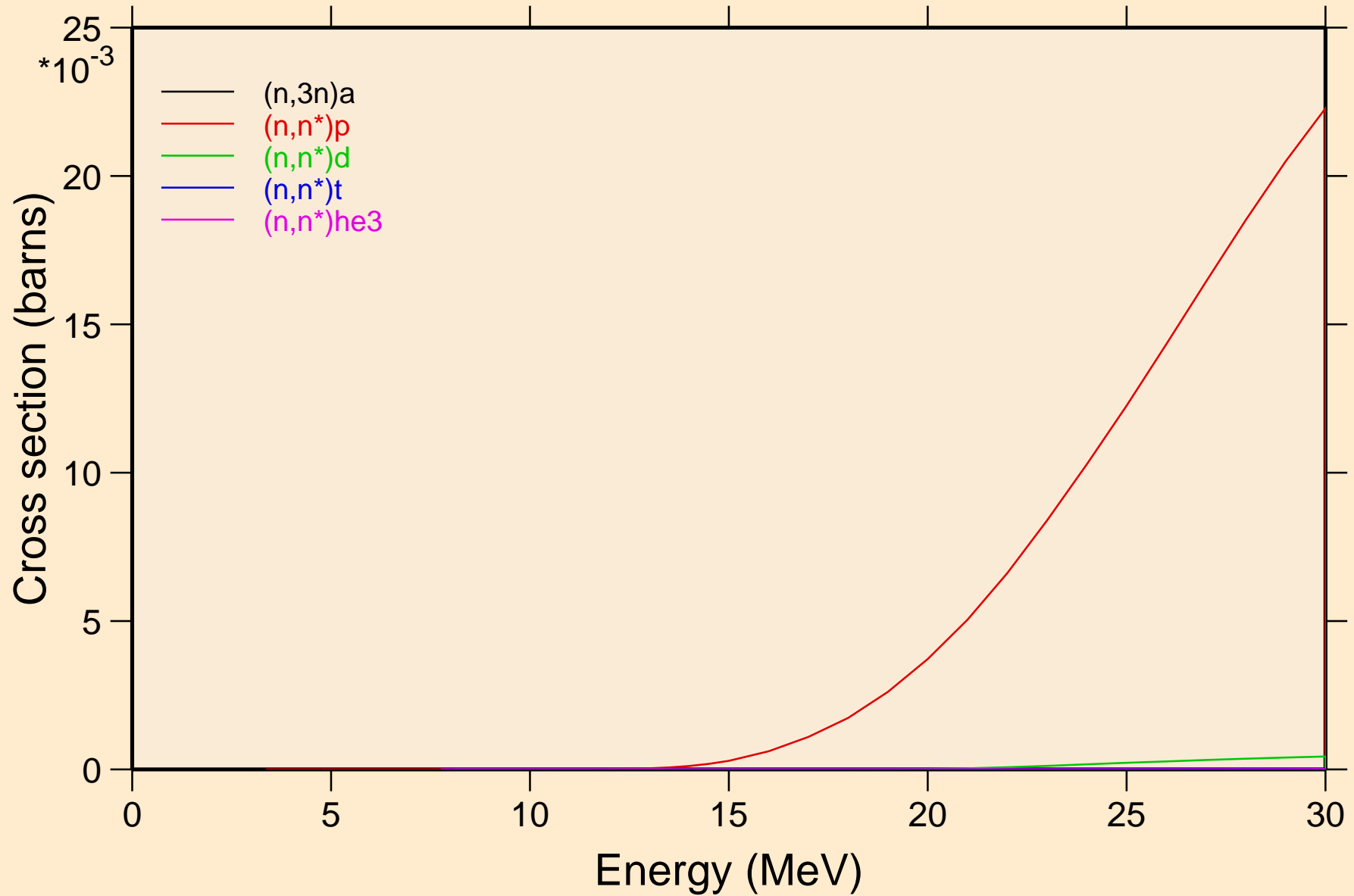


# ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions

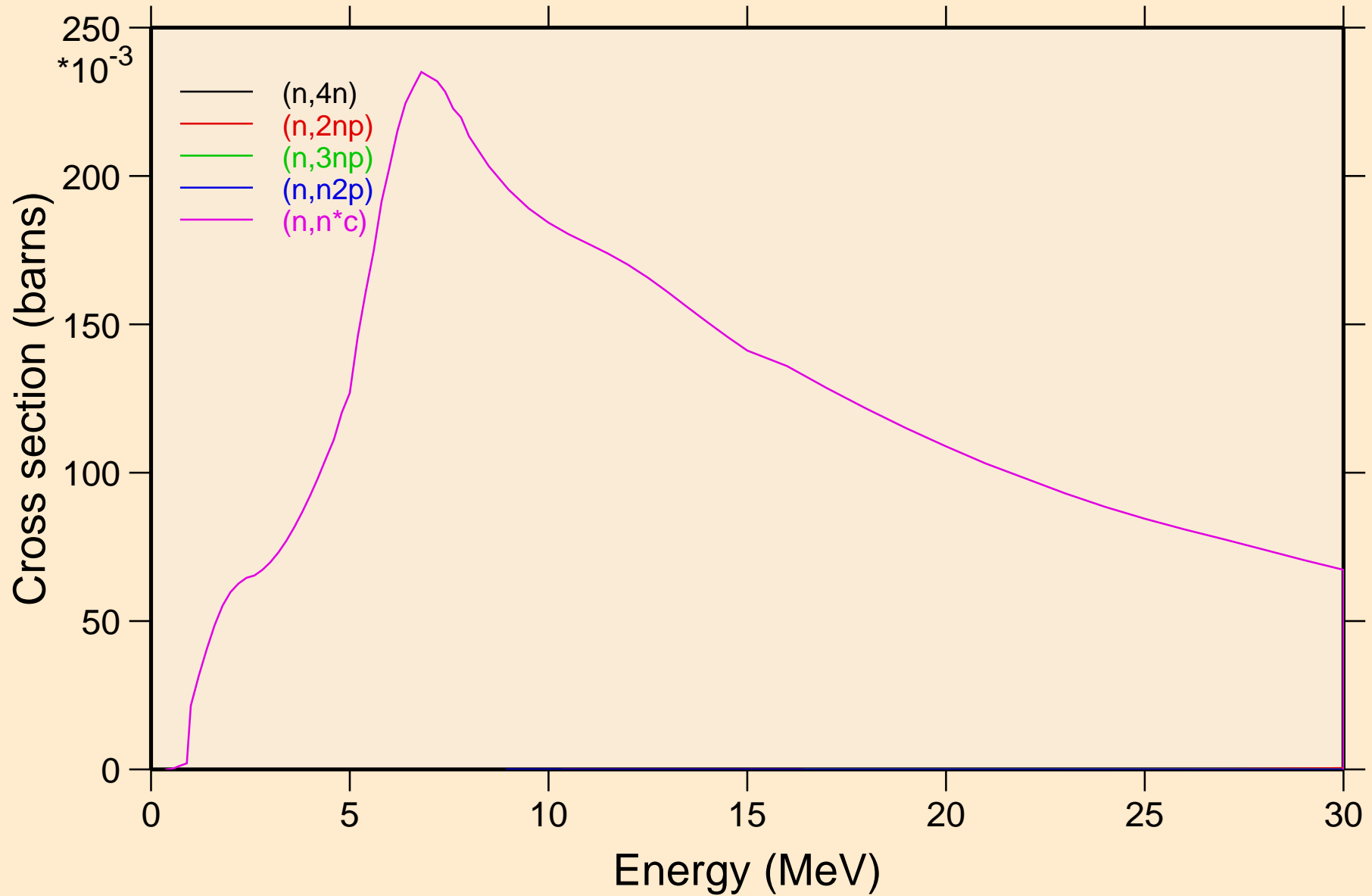


ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

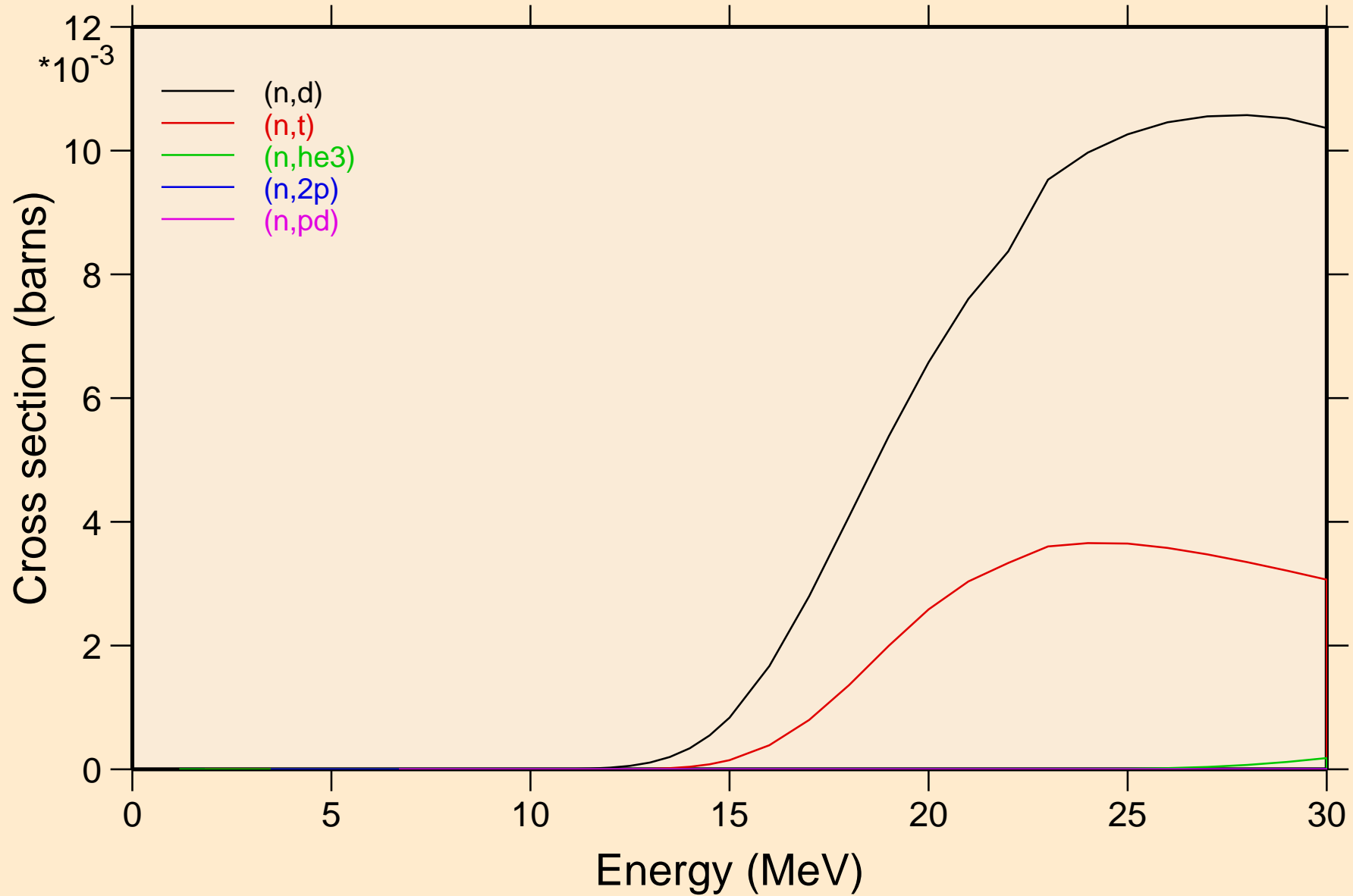


# ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions

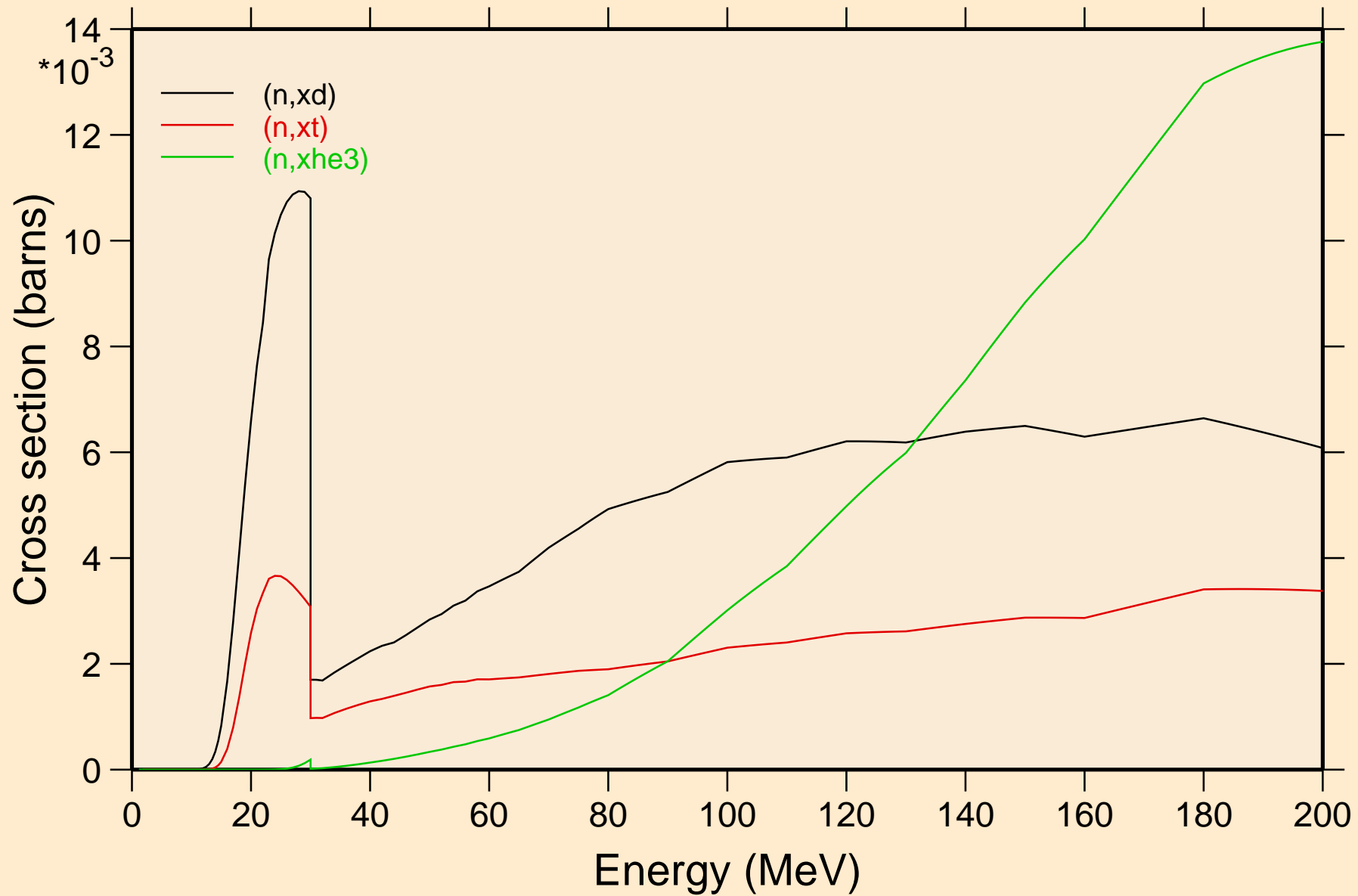


ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



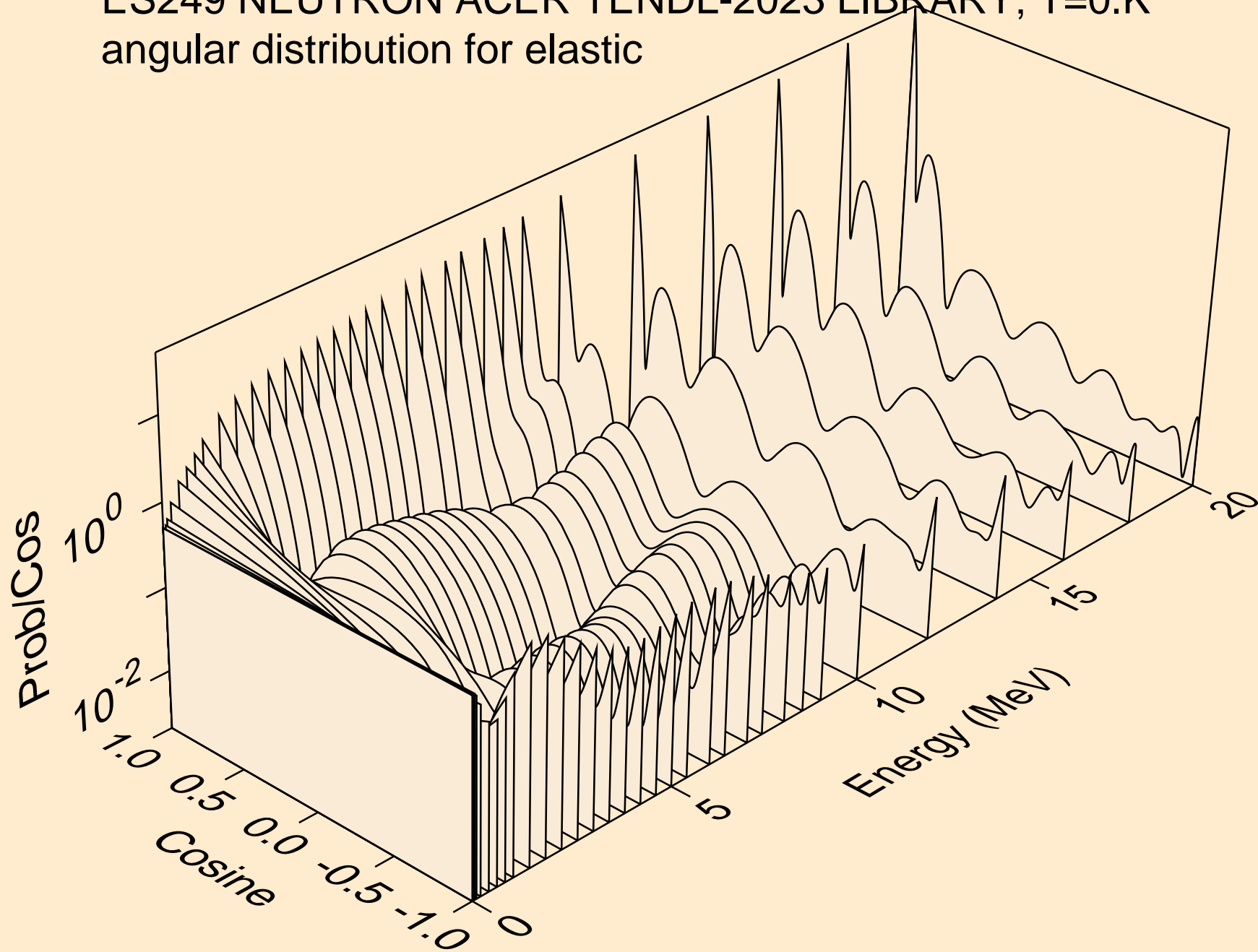
# ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions

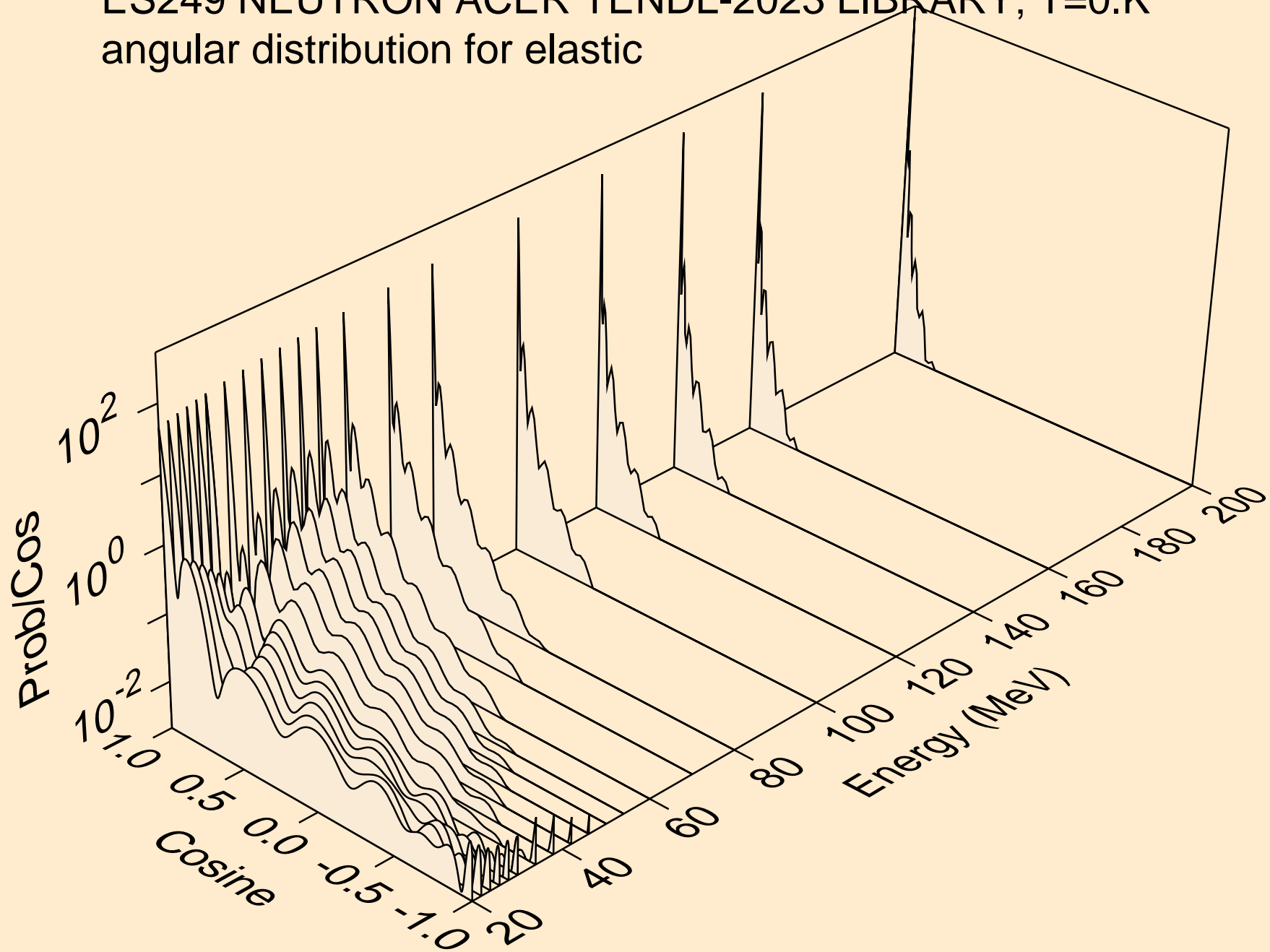




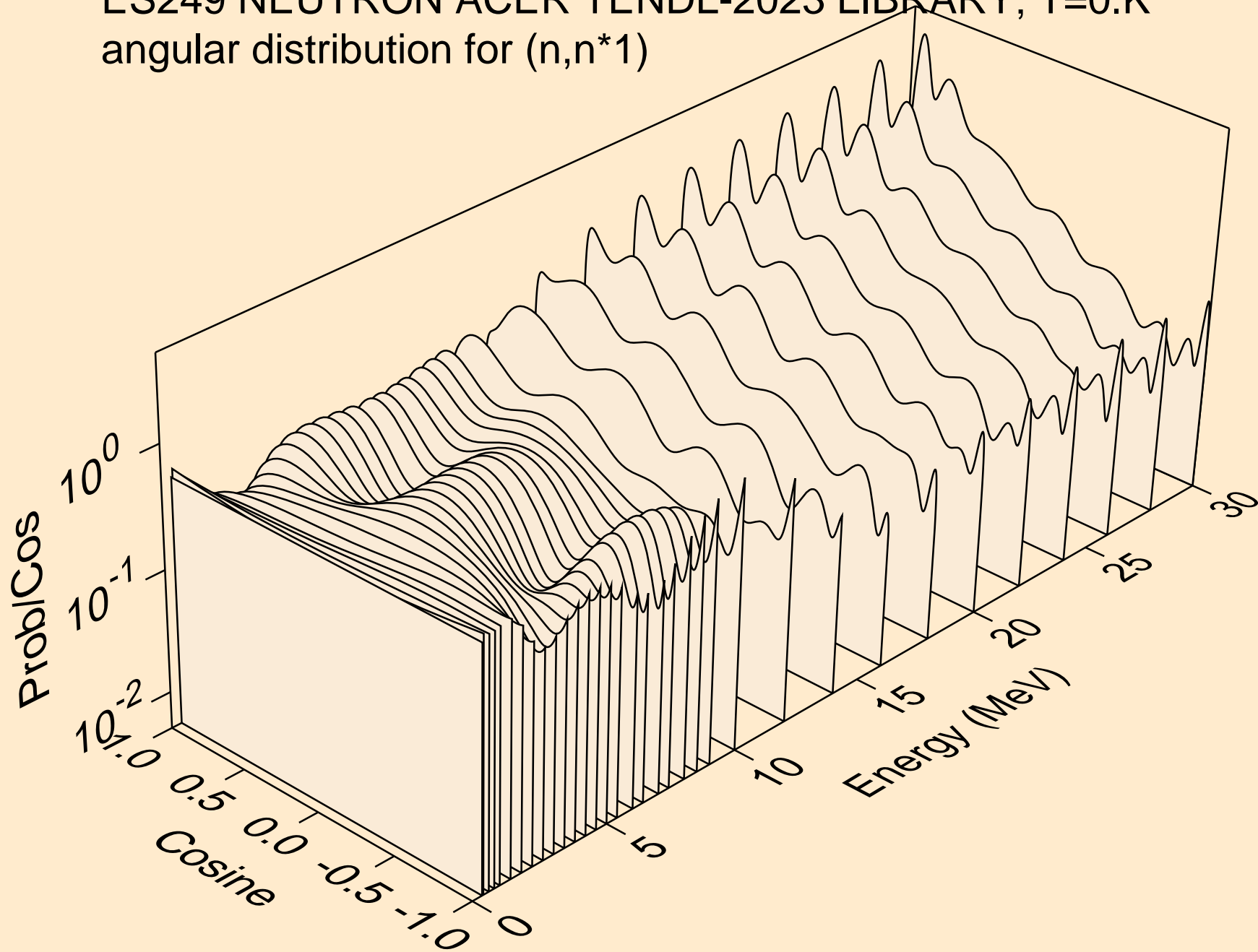
ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



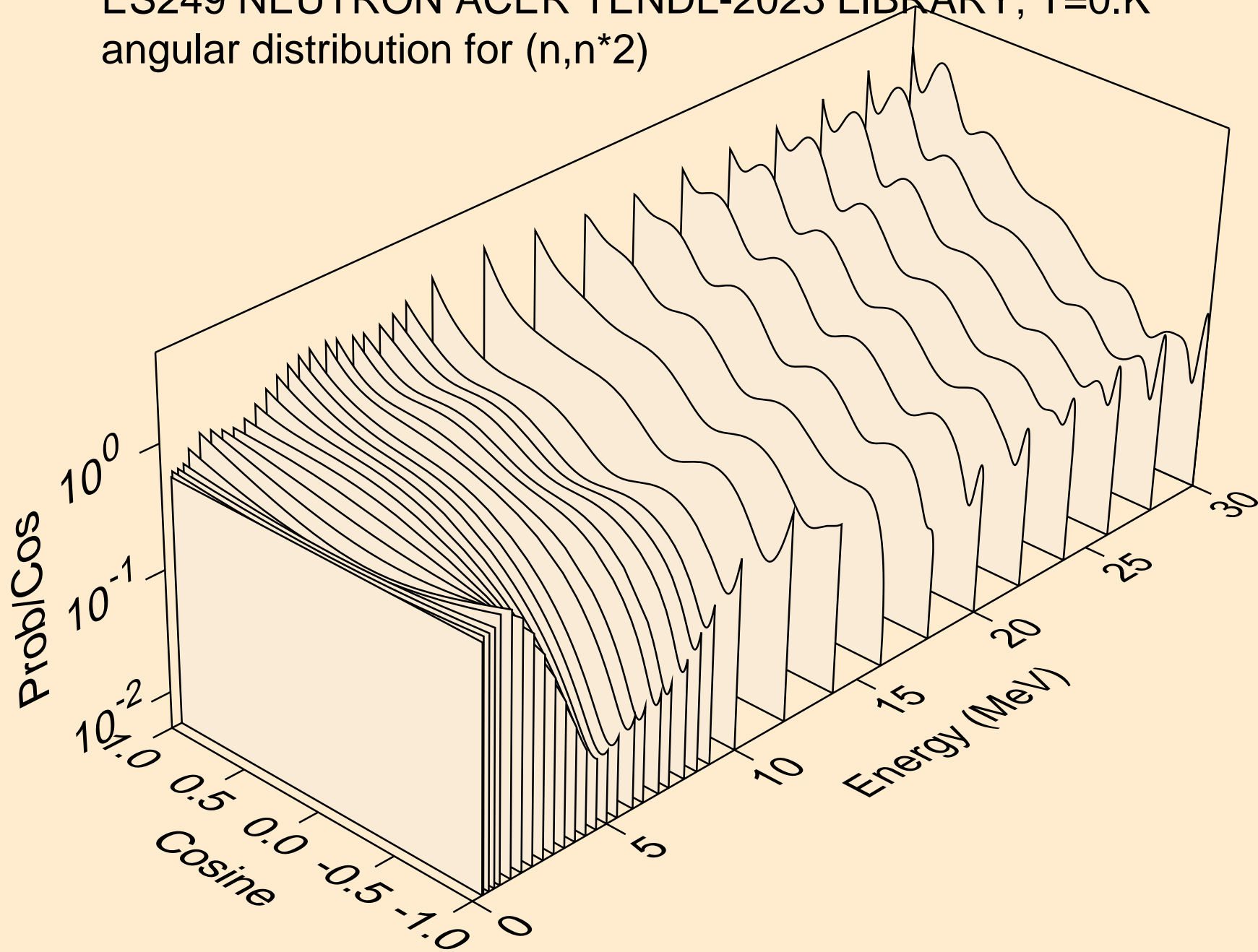
ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*1)

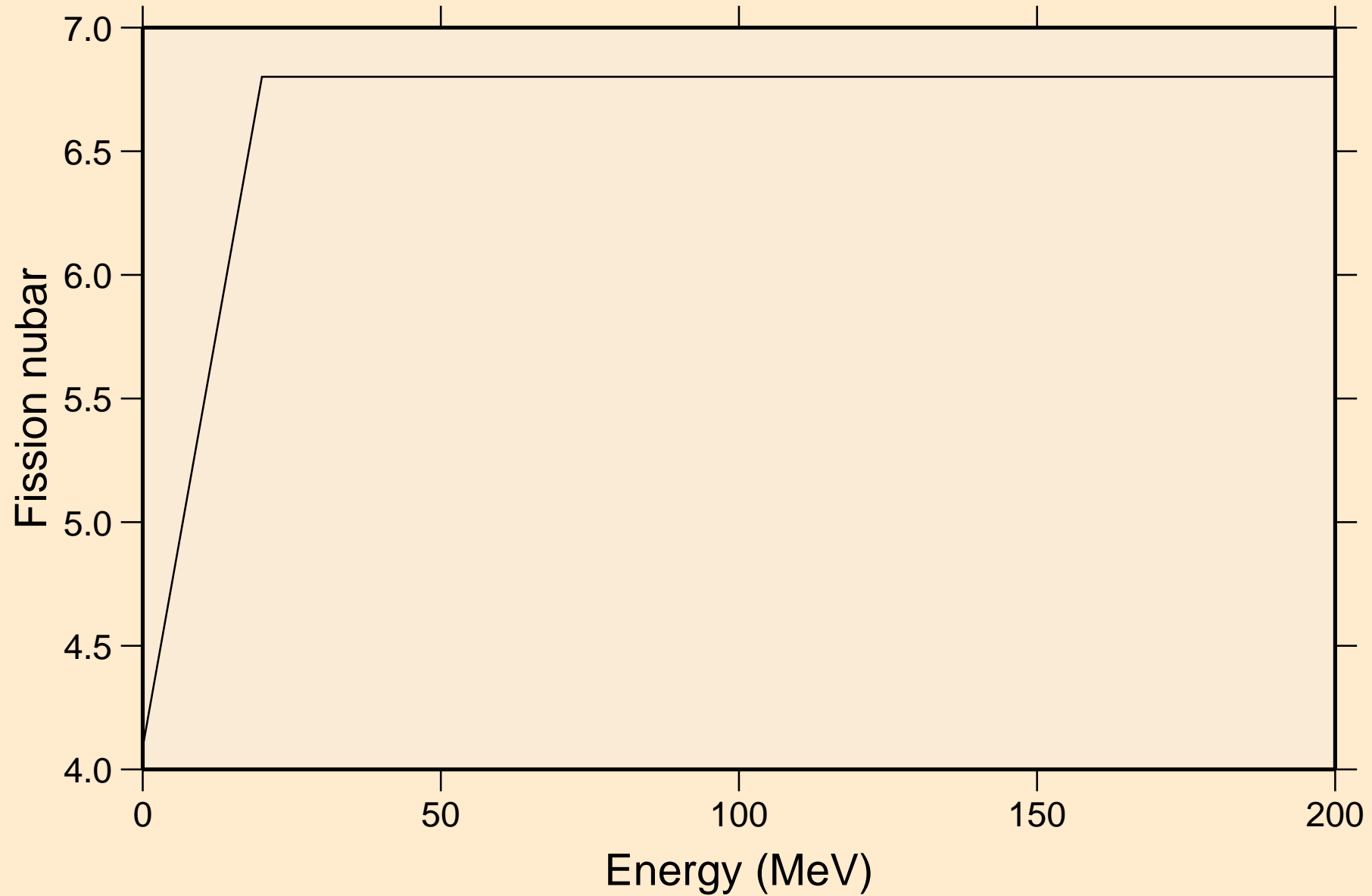


ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*2)

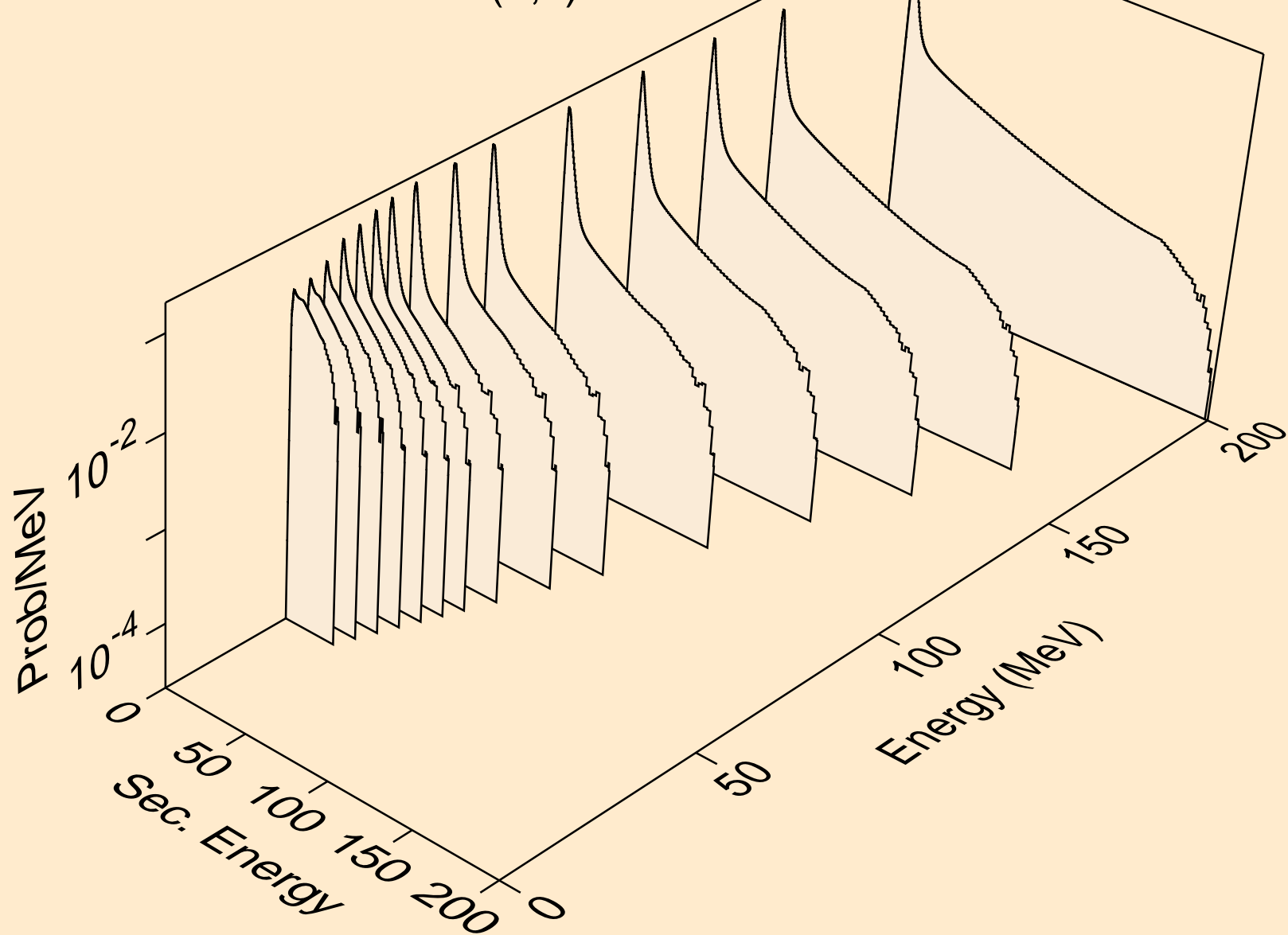


# ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

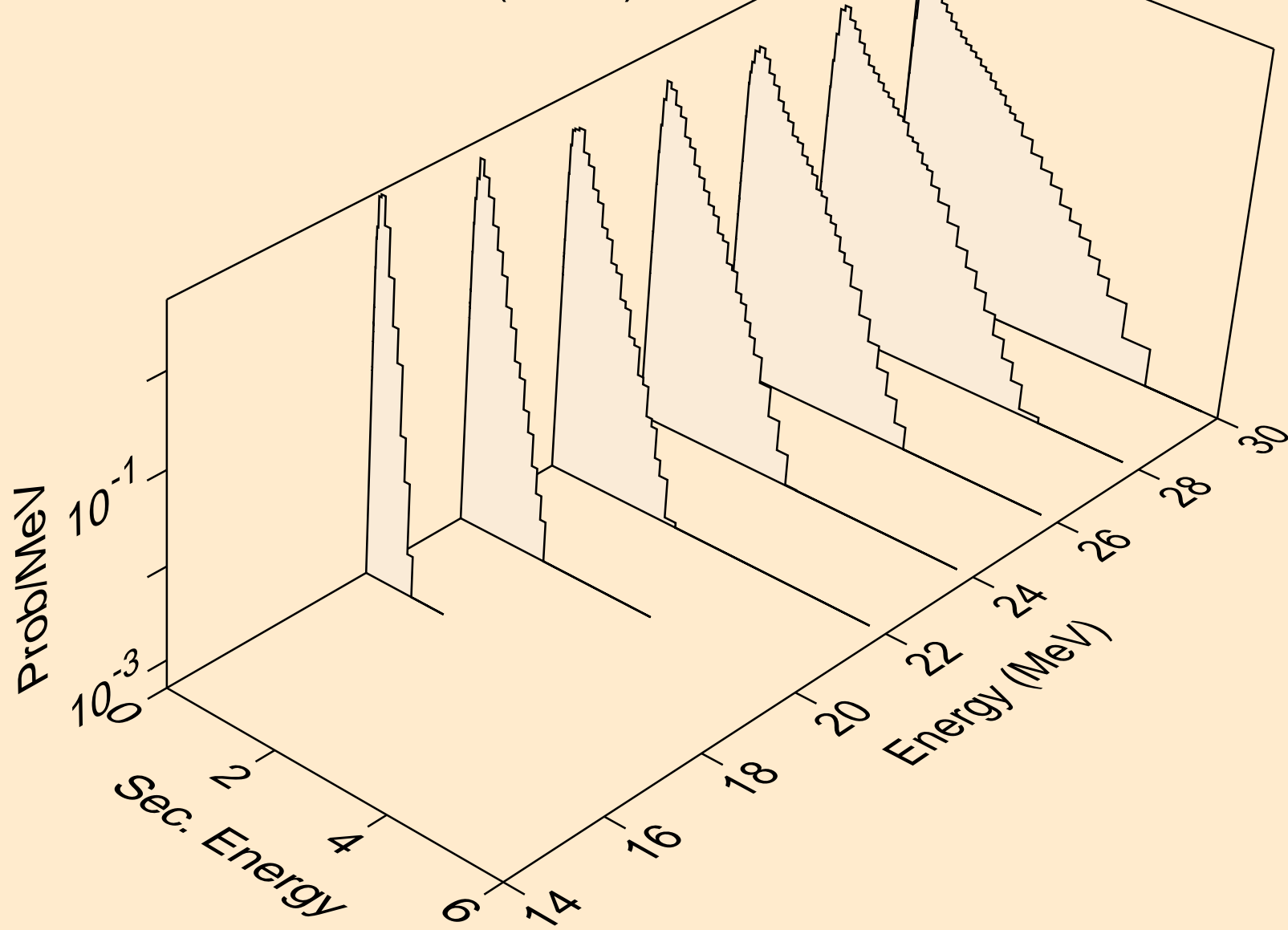
## Total fission nubar



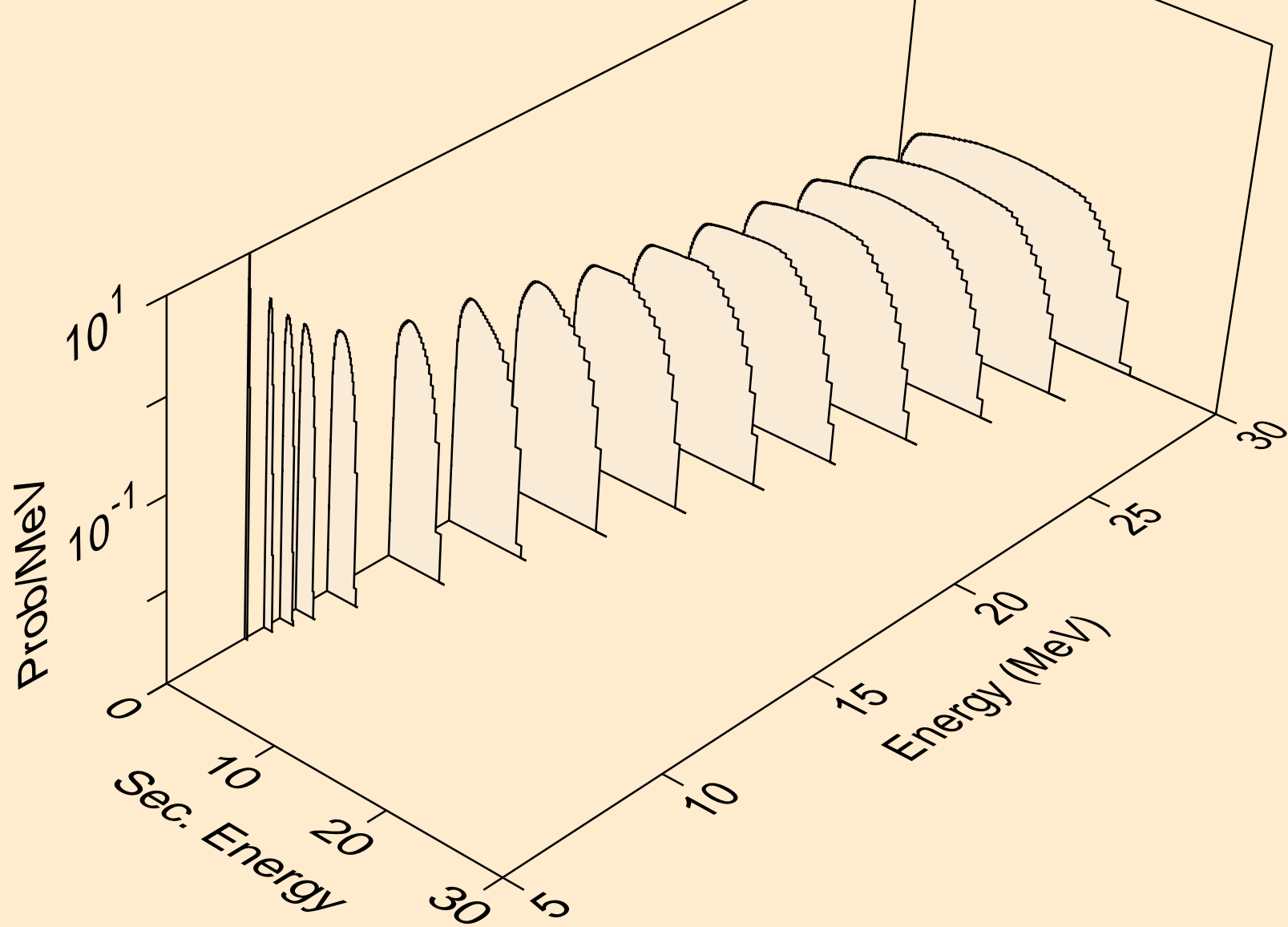
ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,x)



ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2nd)

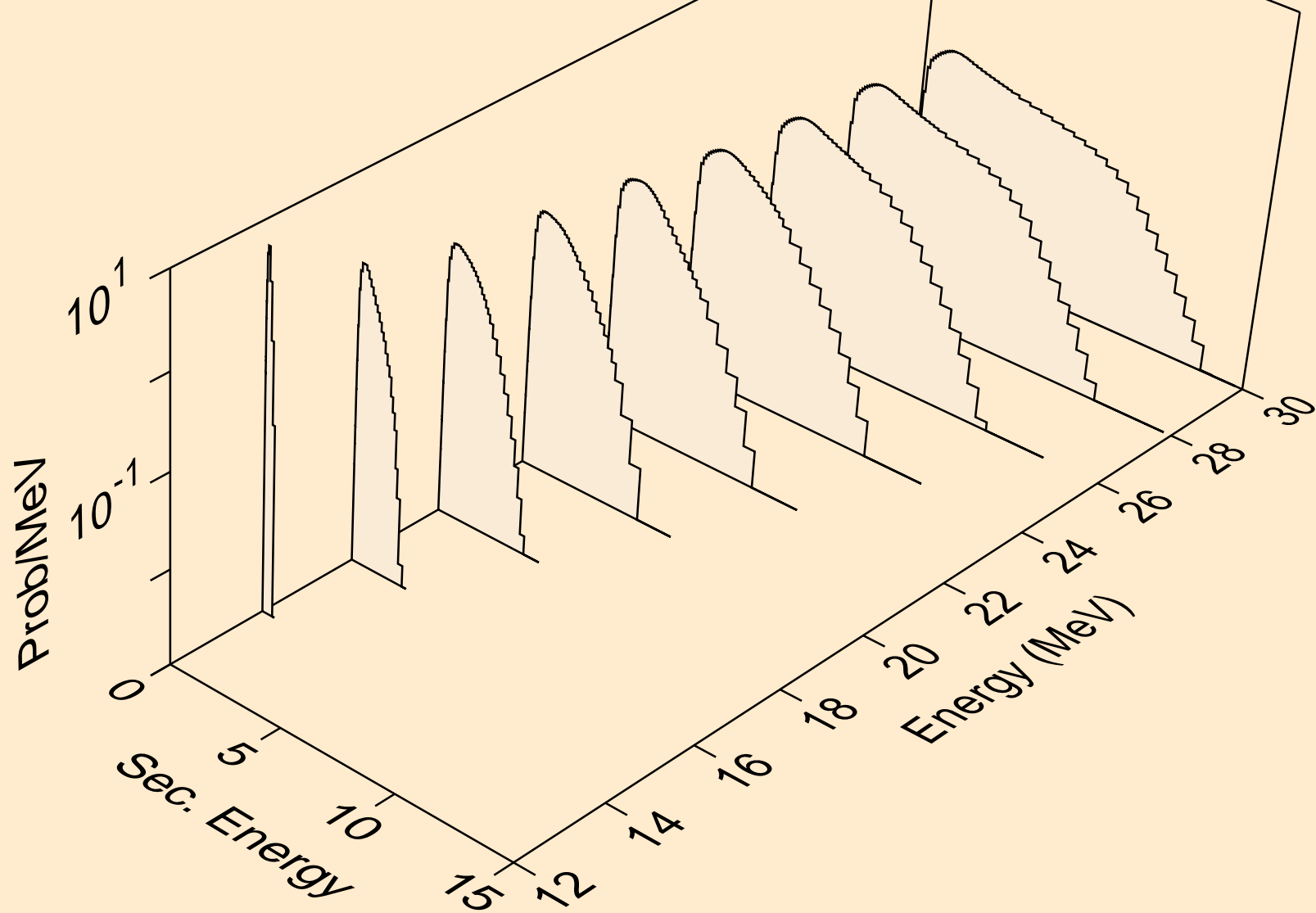


ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)

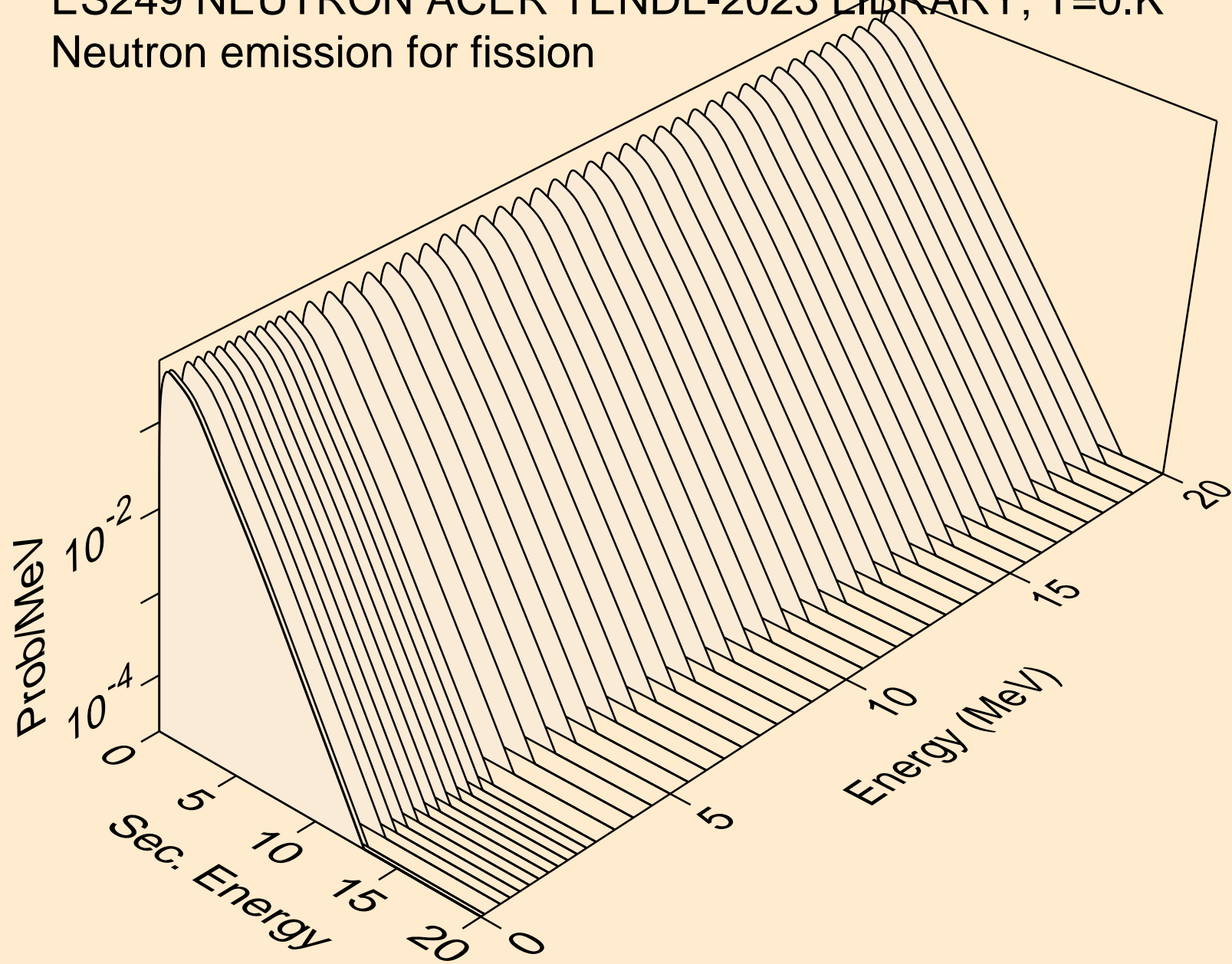




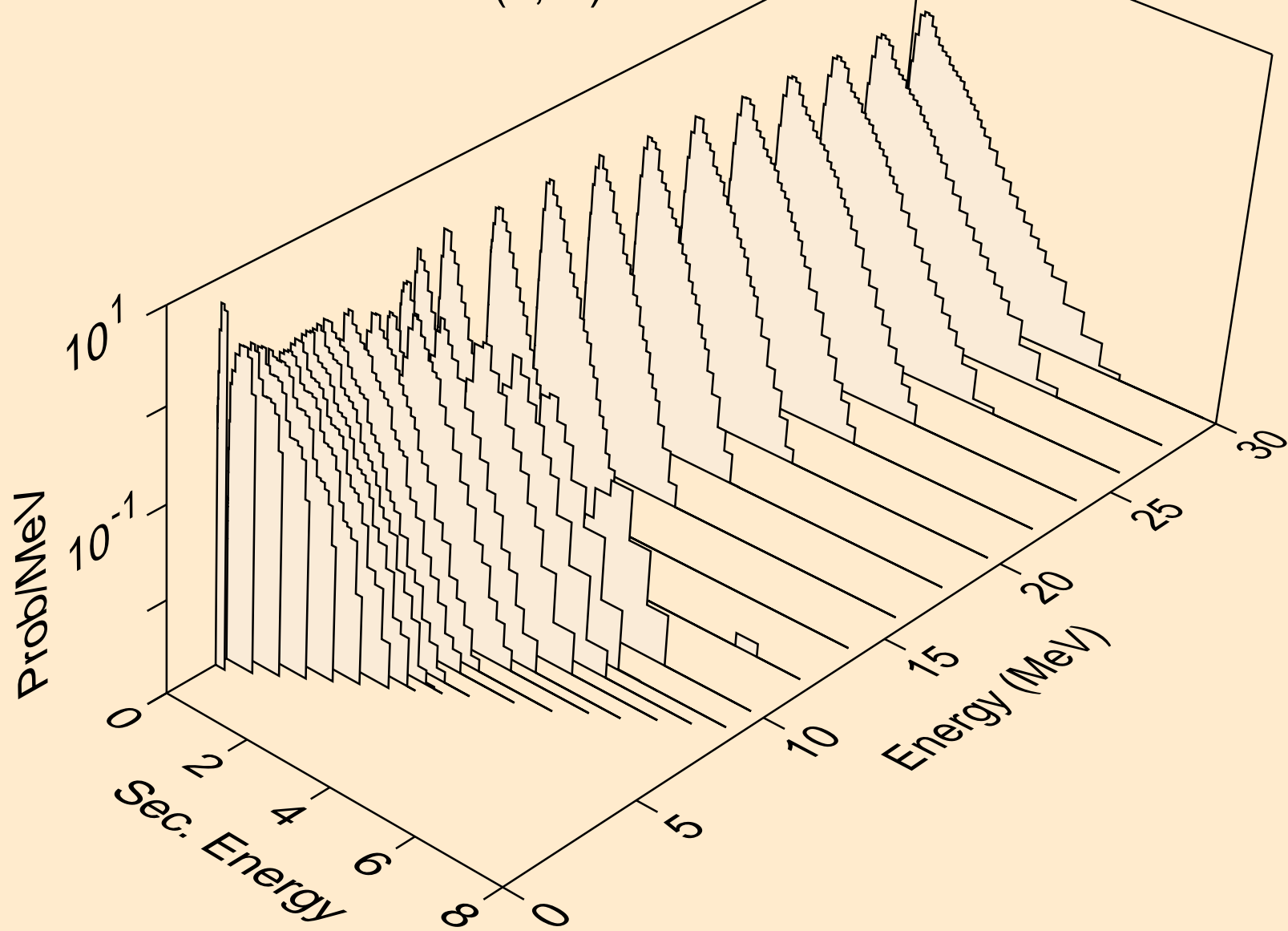
ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)



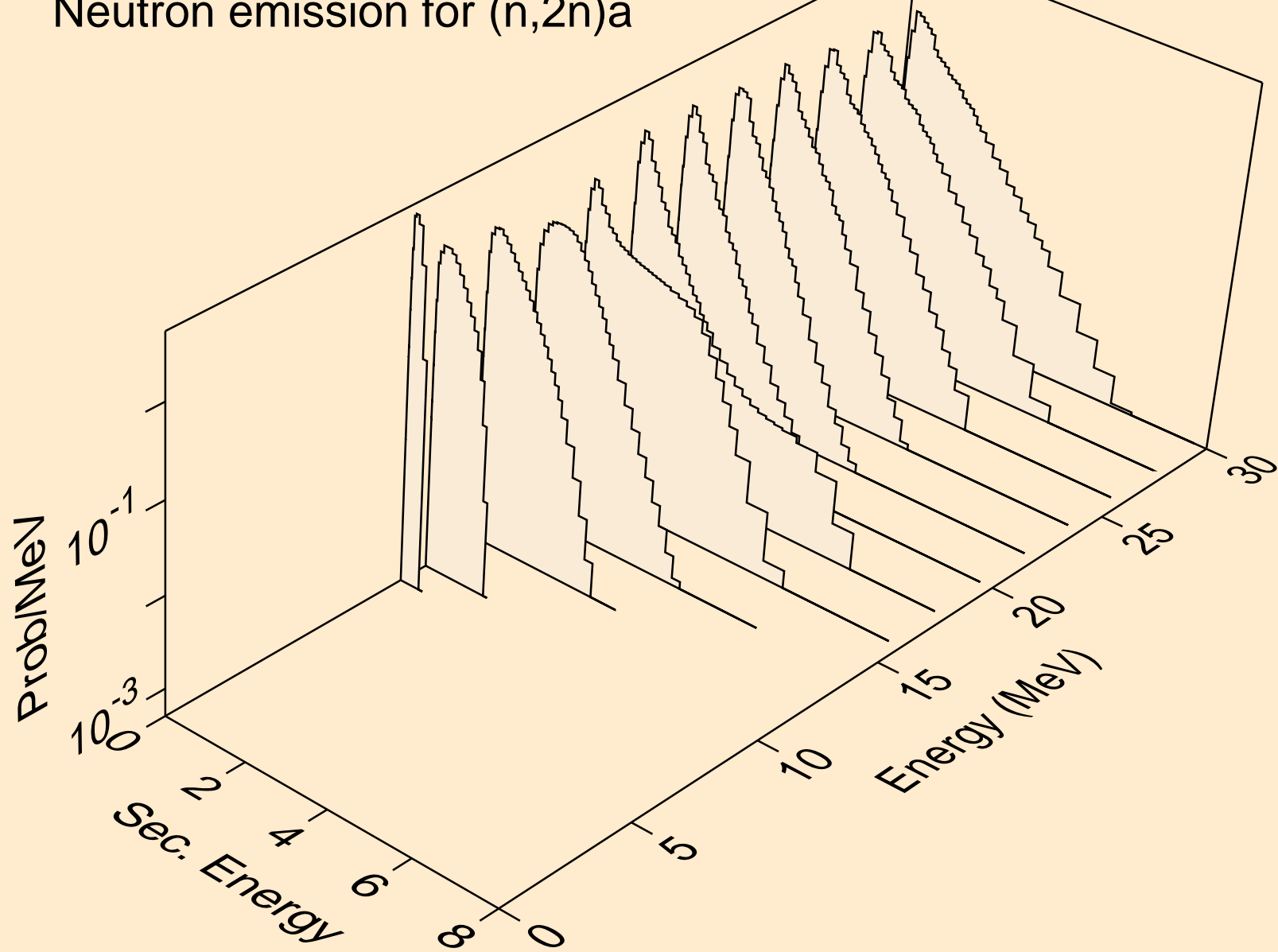
ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for fission



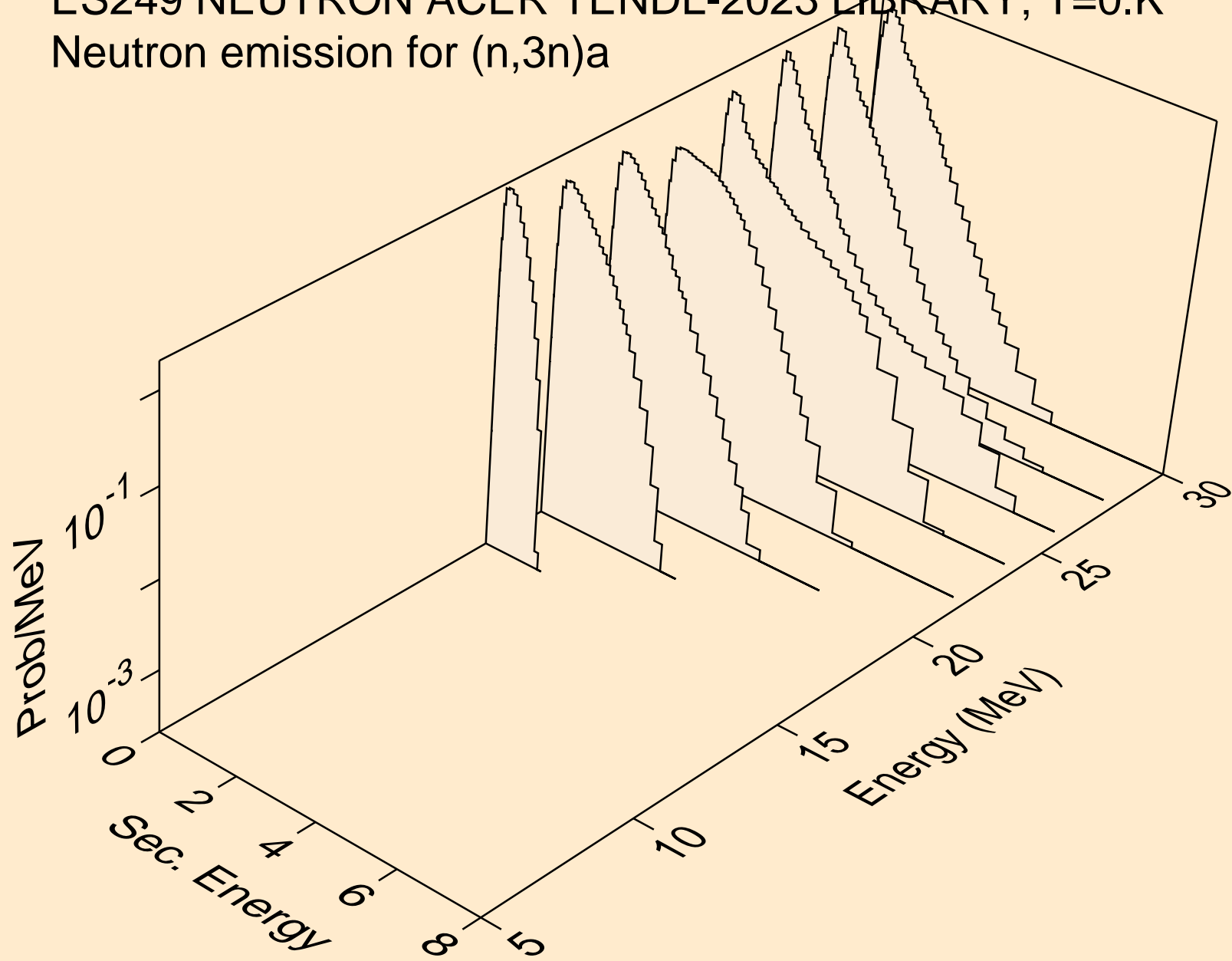
ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



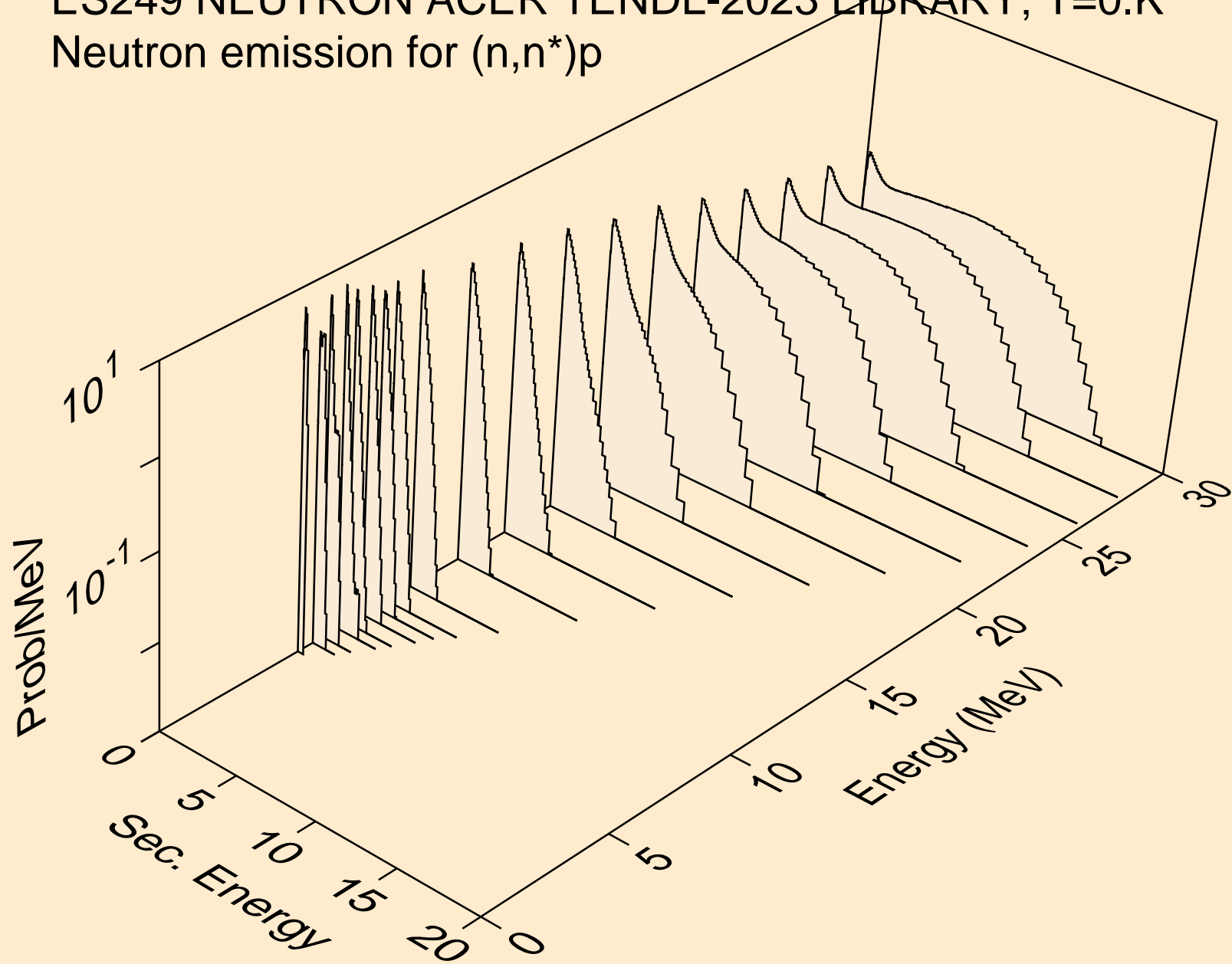
ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)a



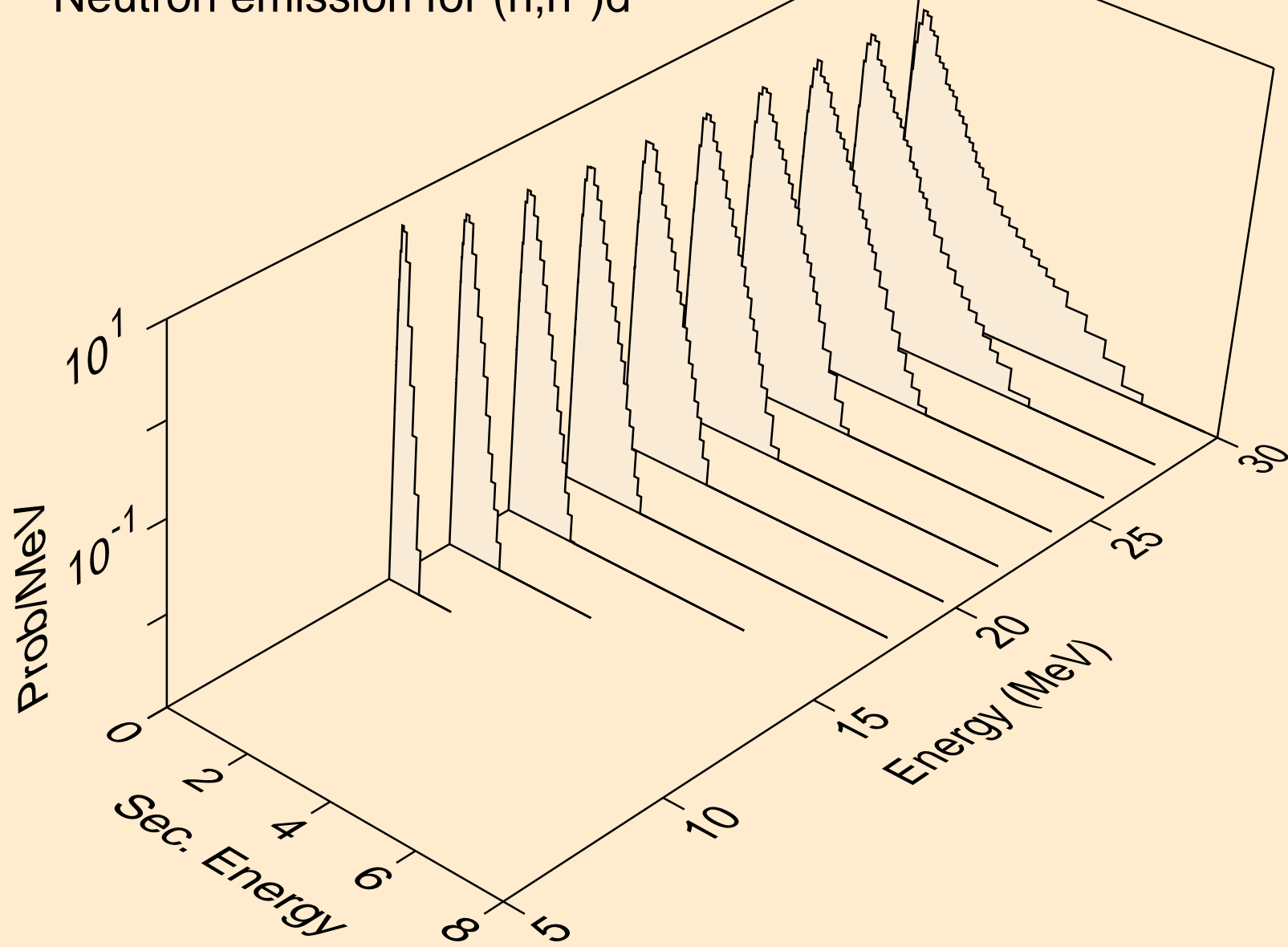
ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)a



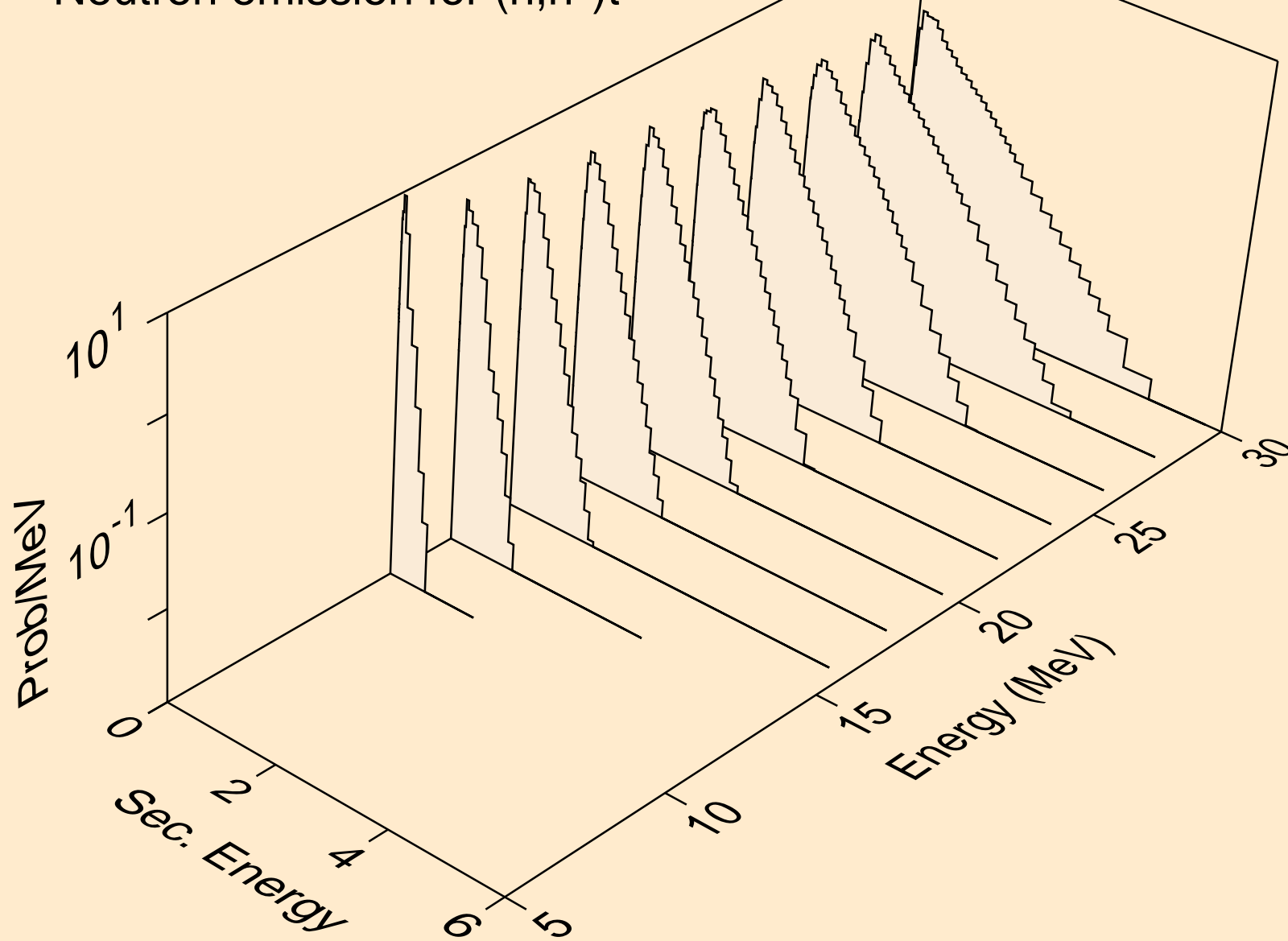
ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d

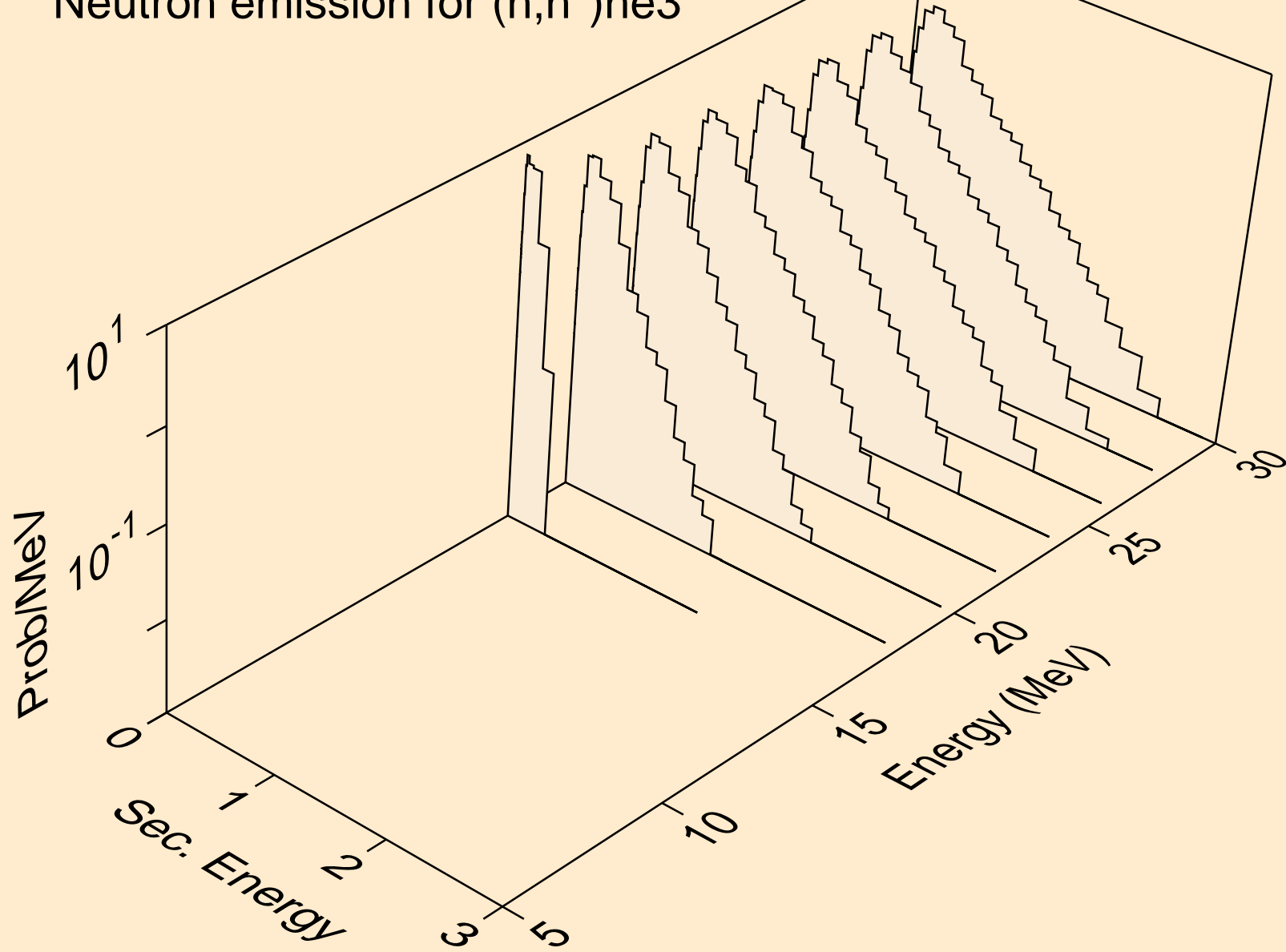


ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t

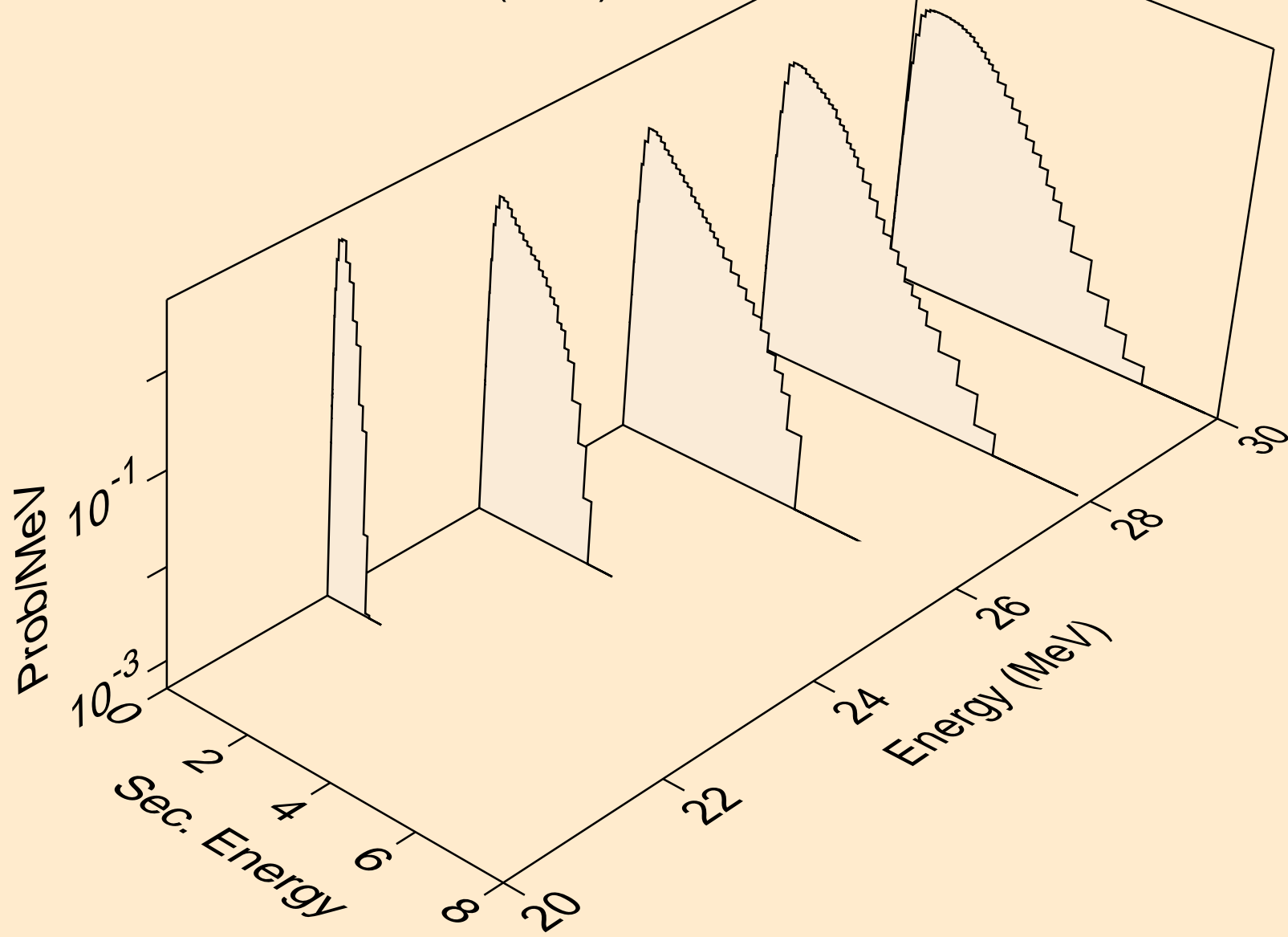




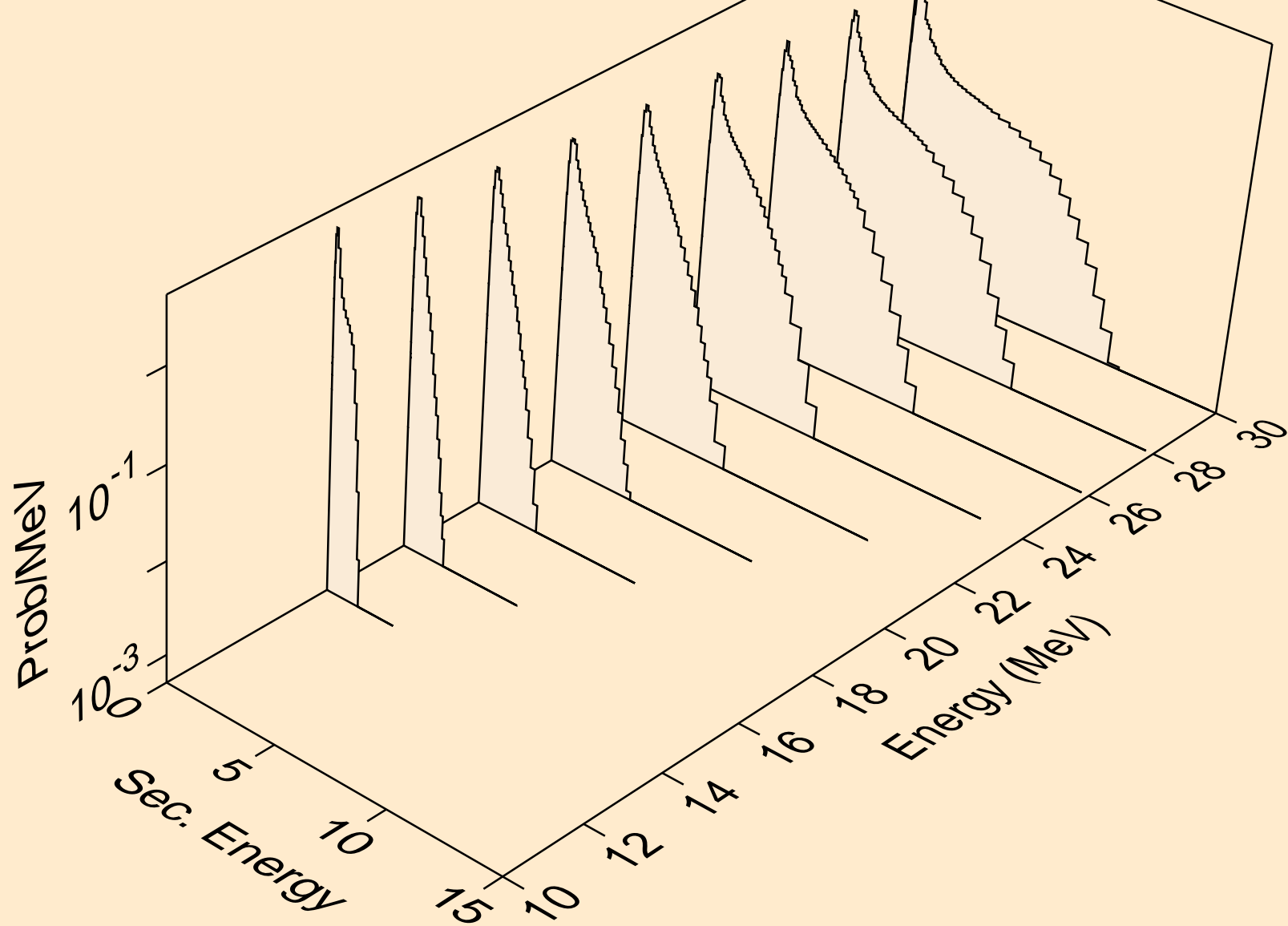
ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



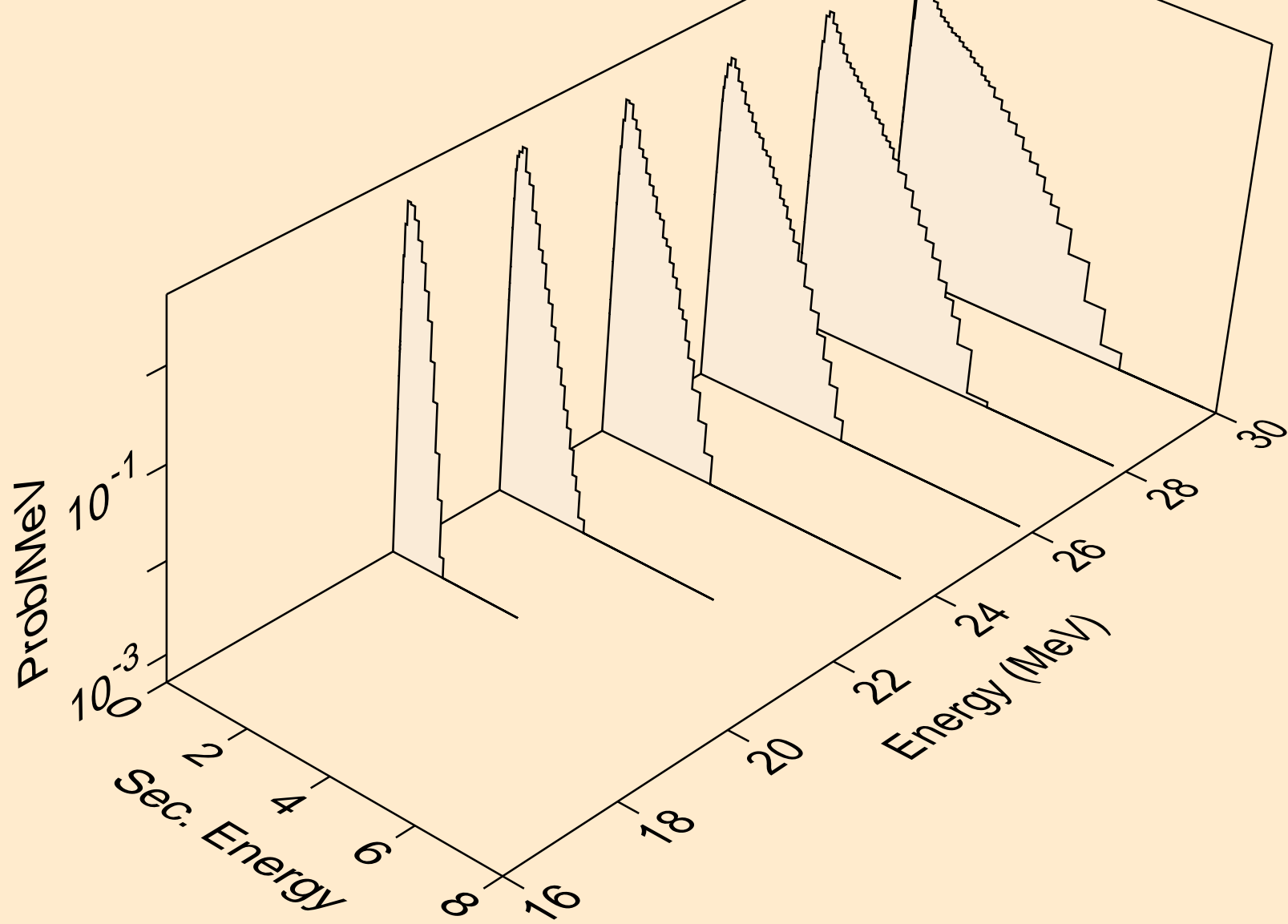
ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,4n)



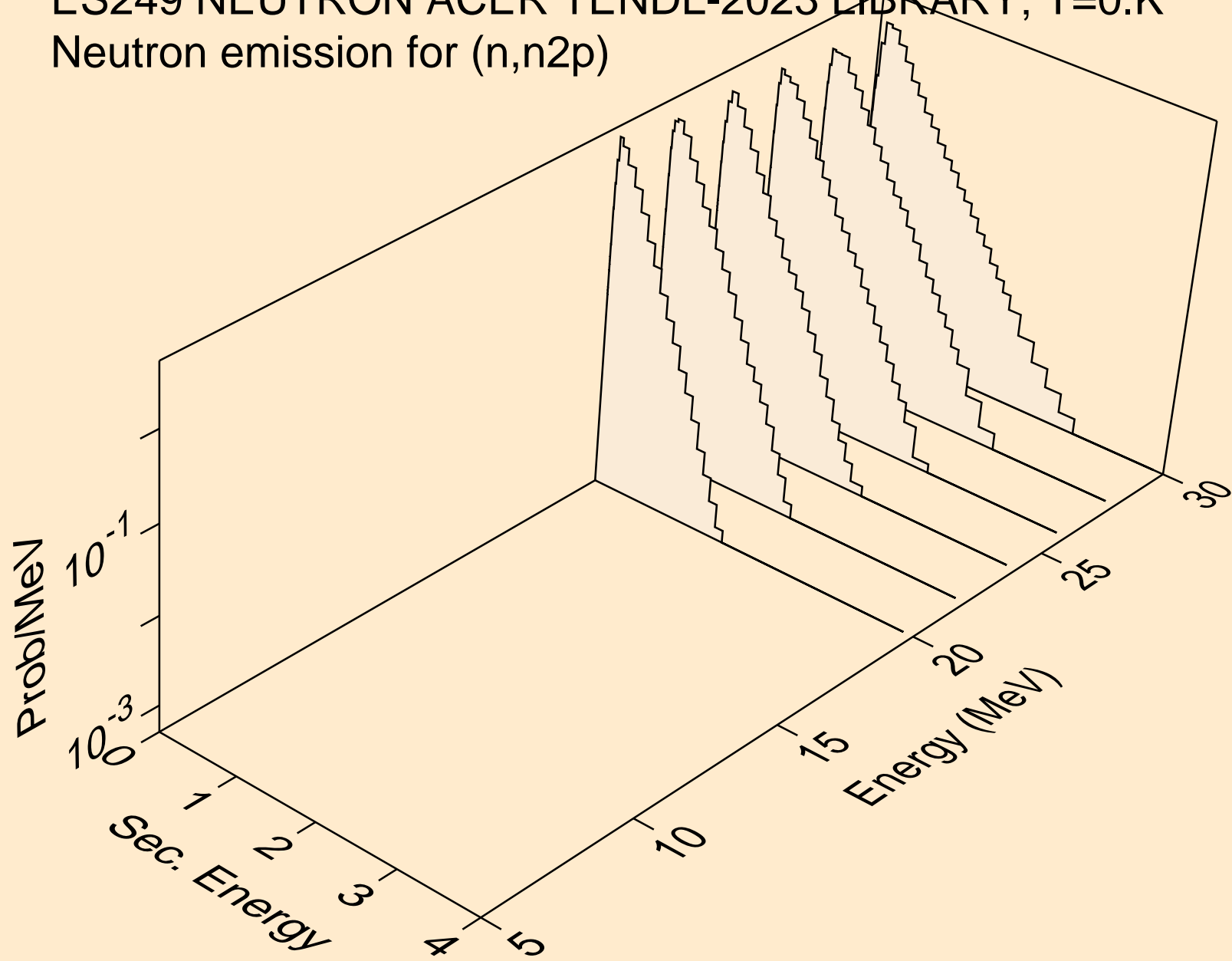
ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2np)



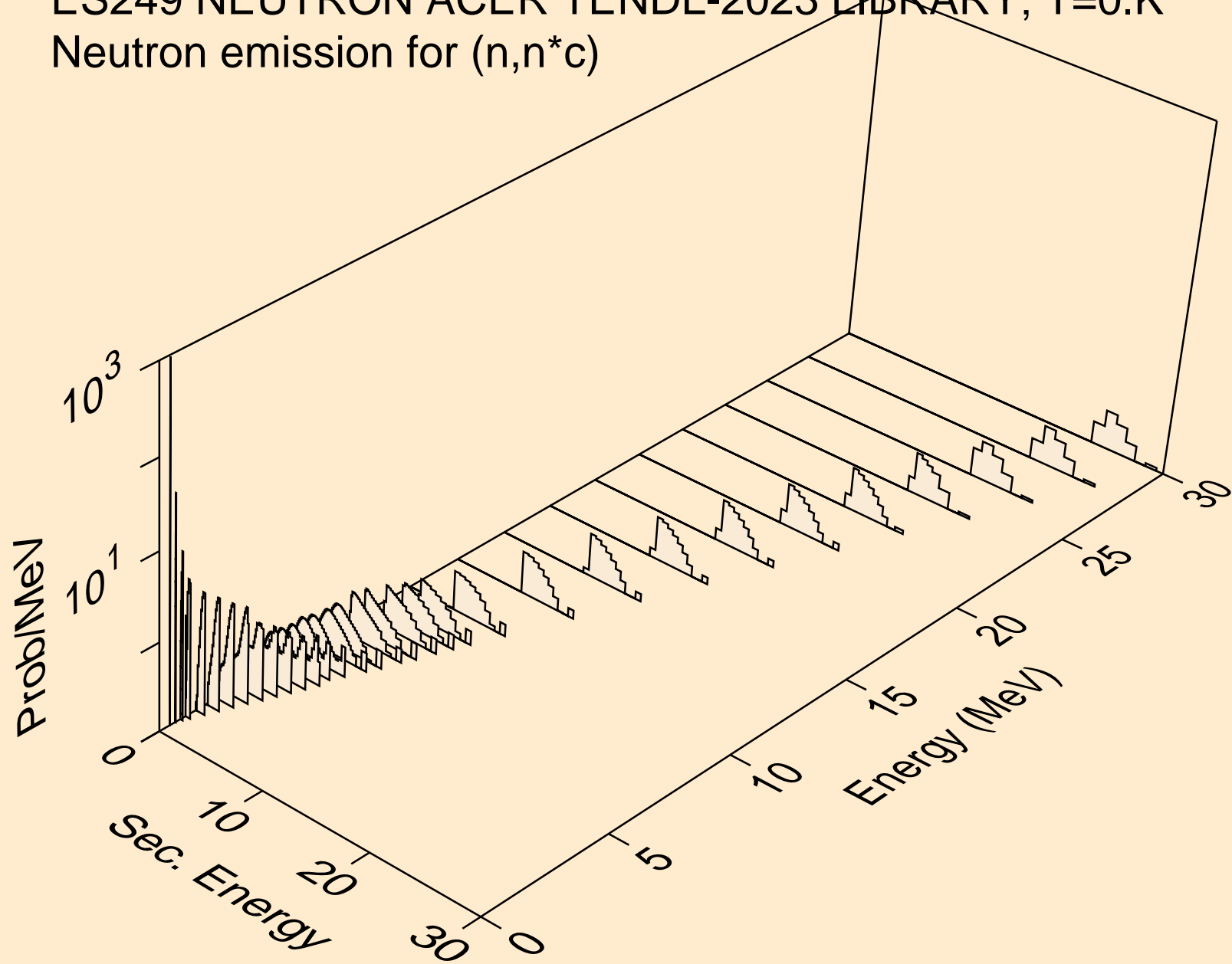
ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3np)



ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n2p)

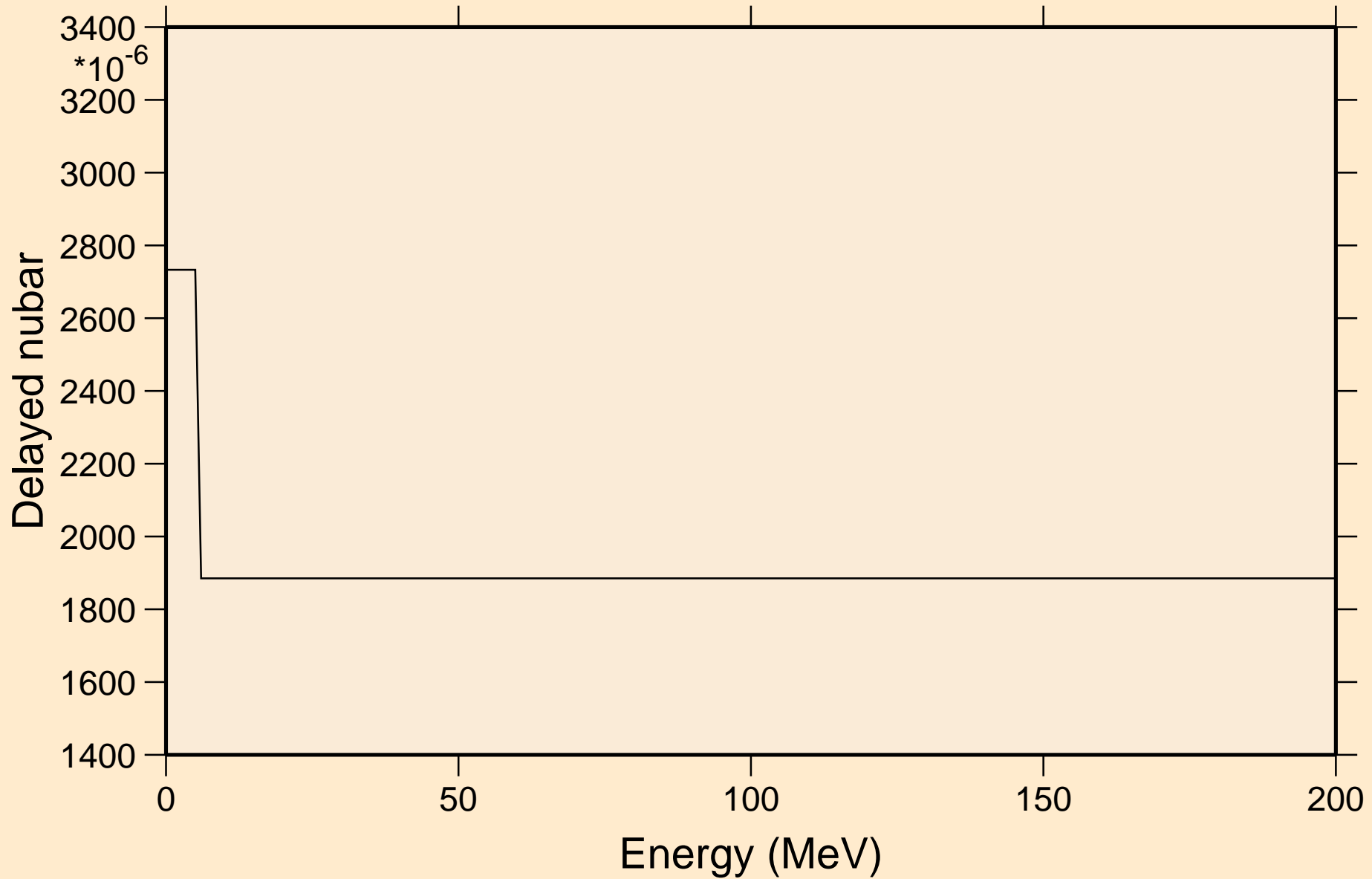


ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)



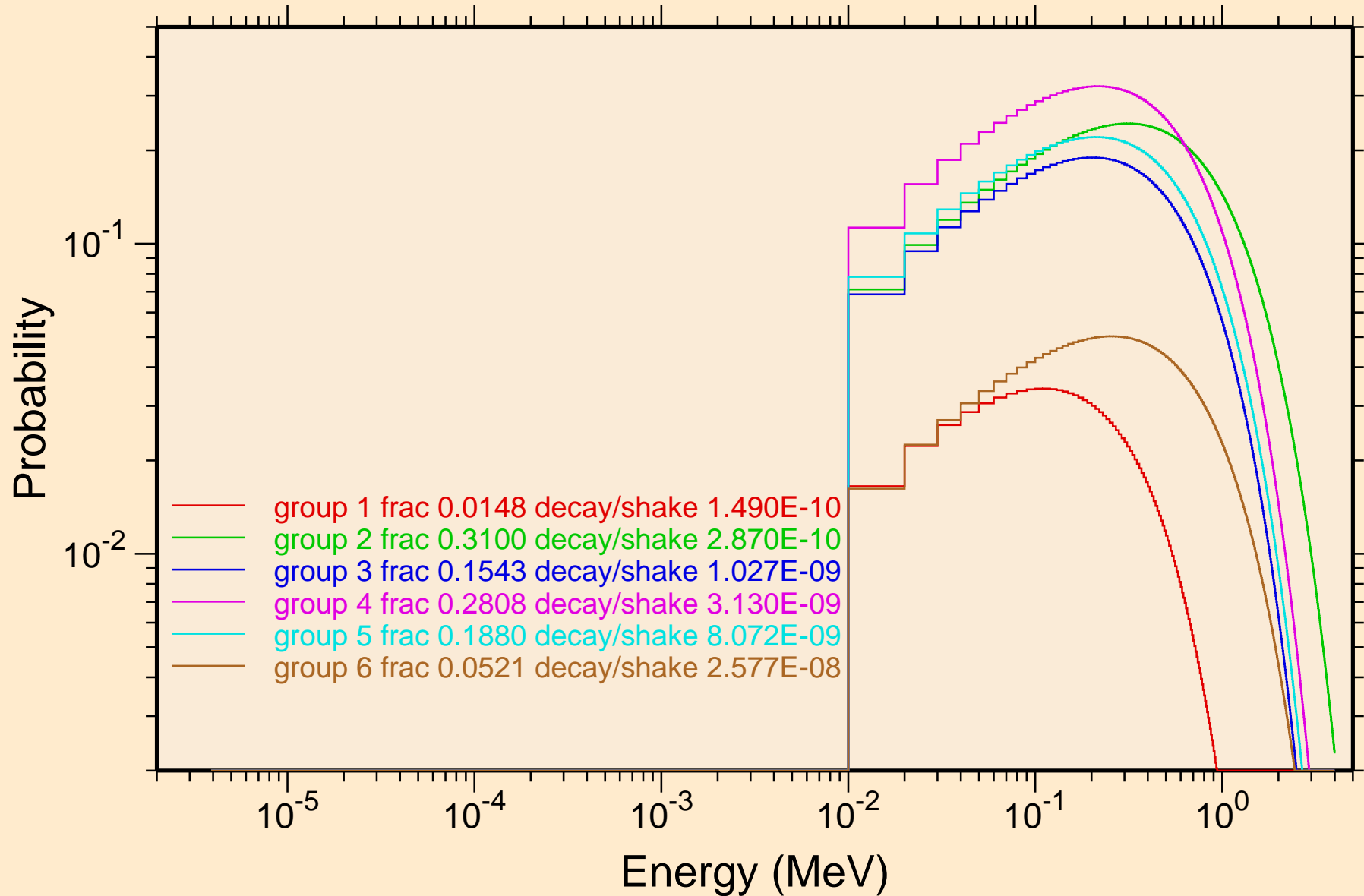
# ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Delayed nubar



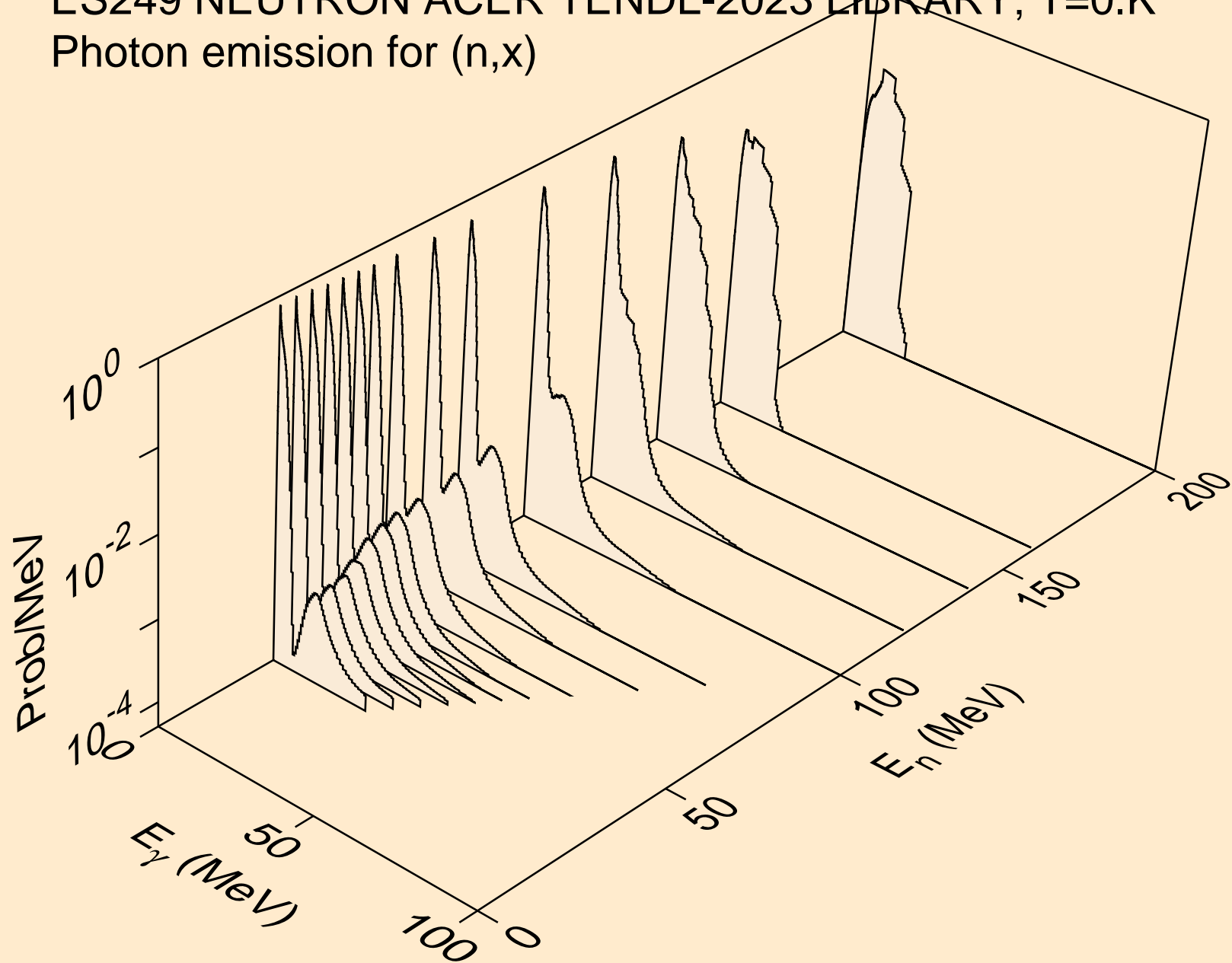
# ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Delayed neutron spectra

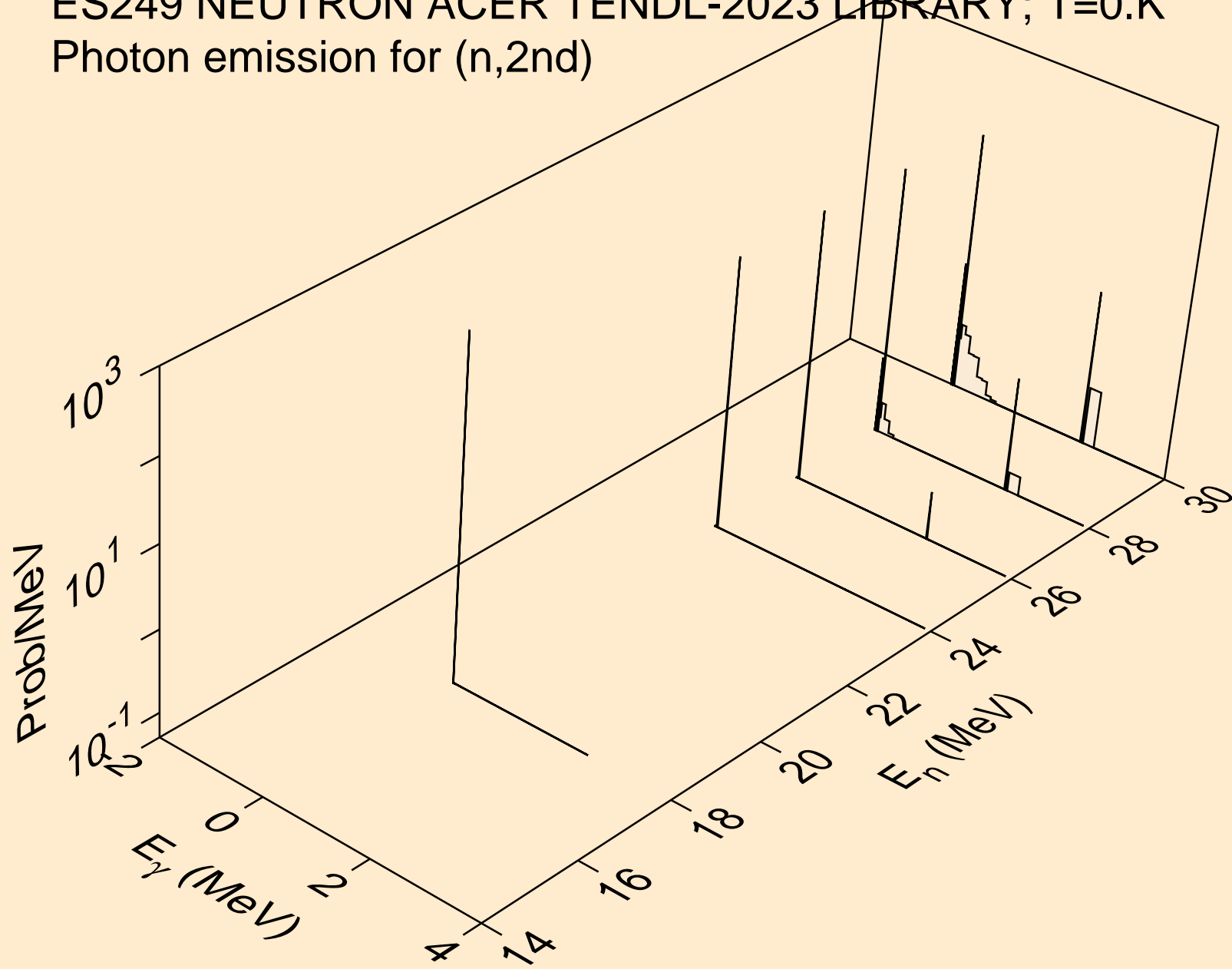




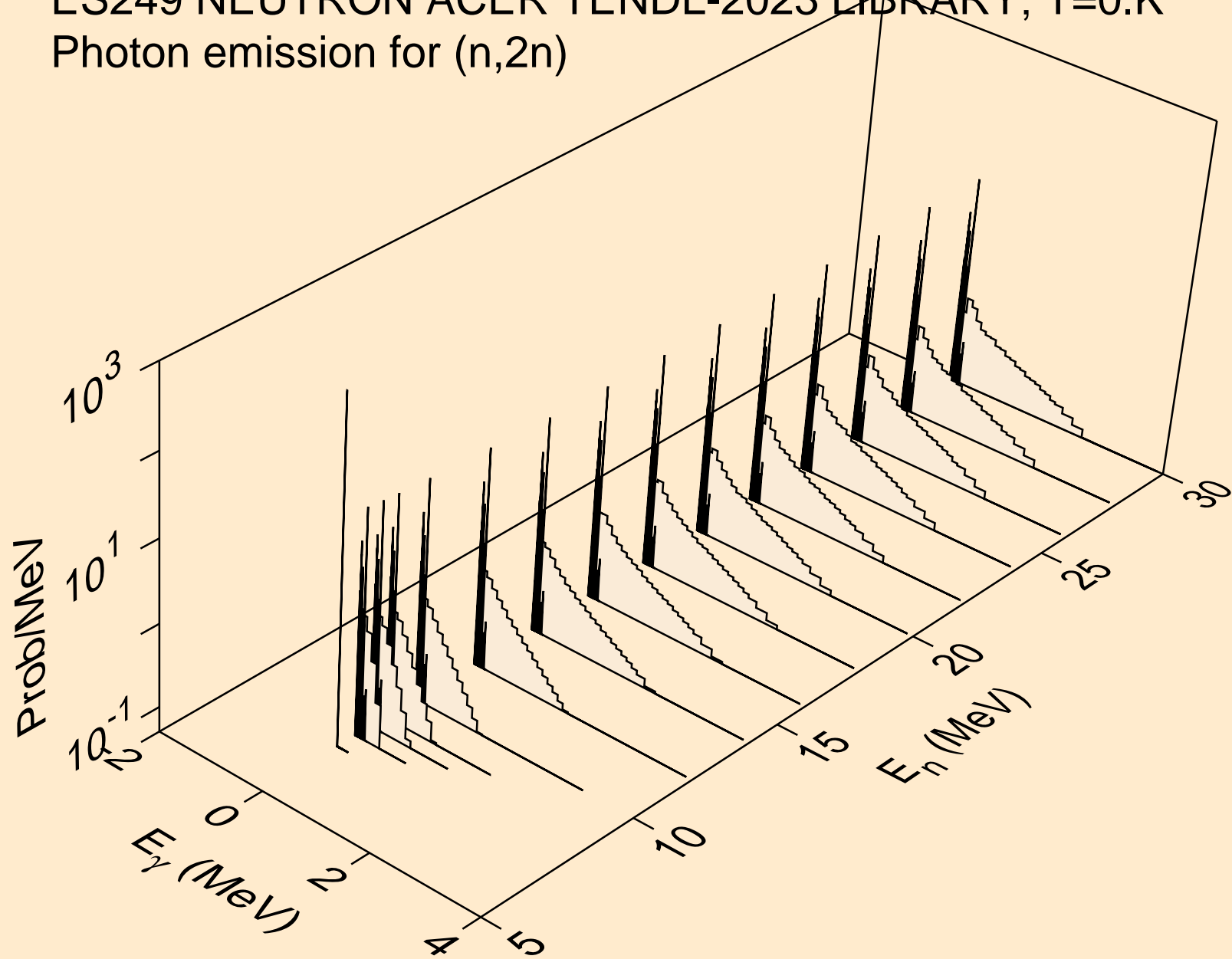
ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,x)



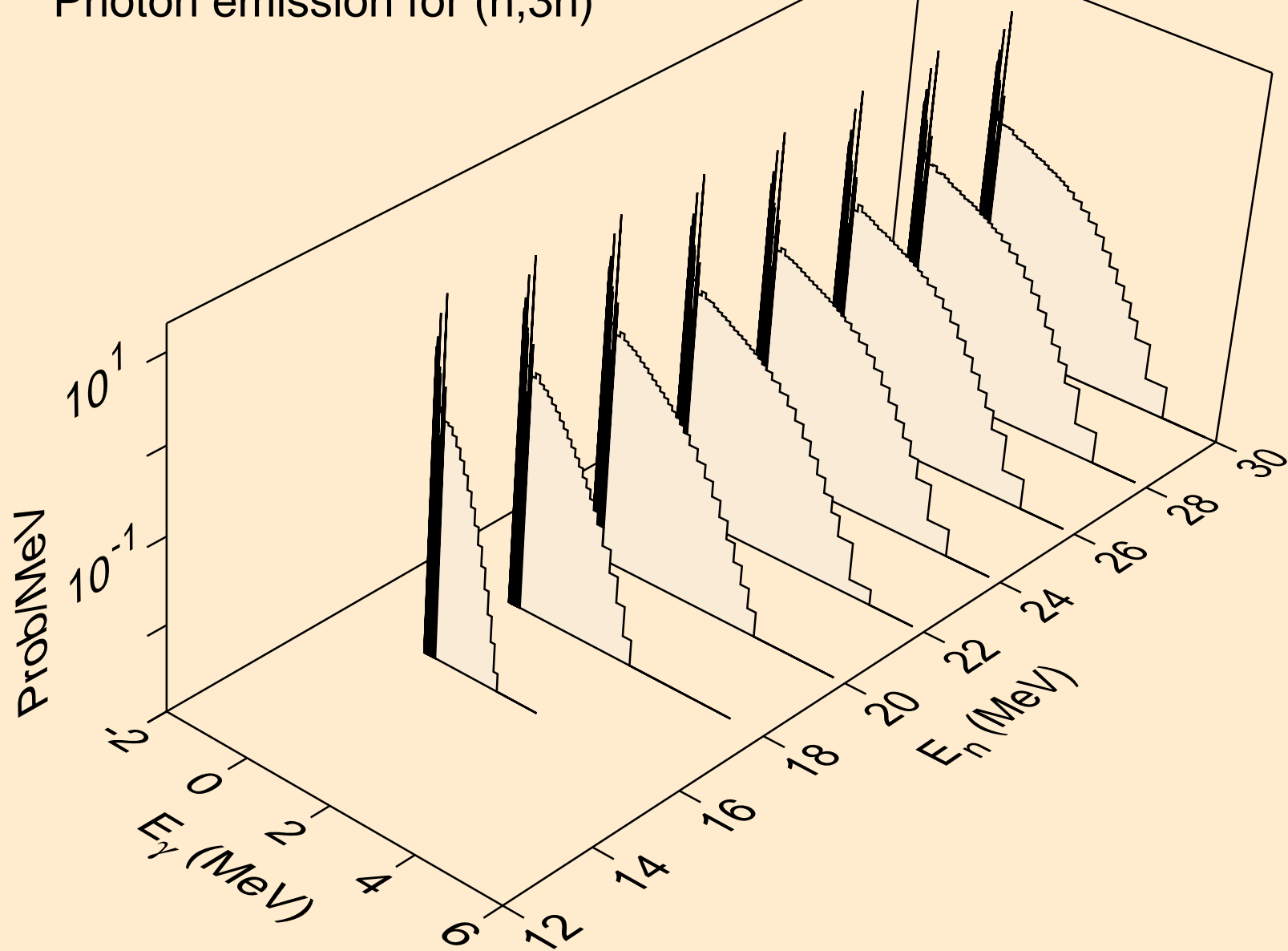
ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



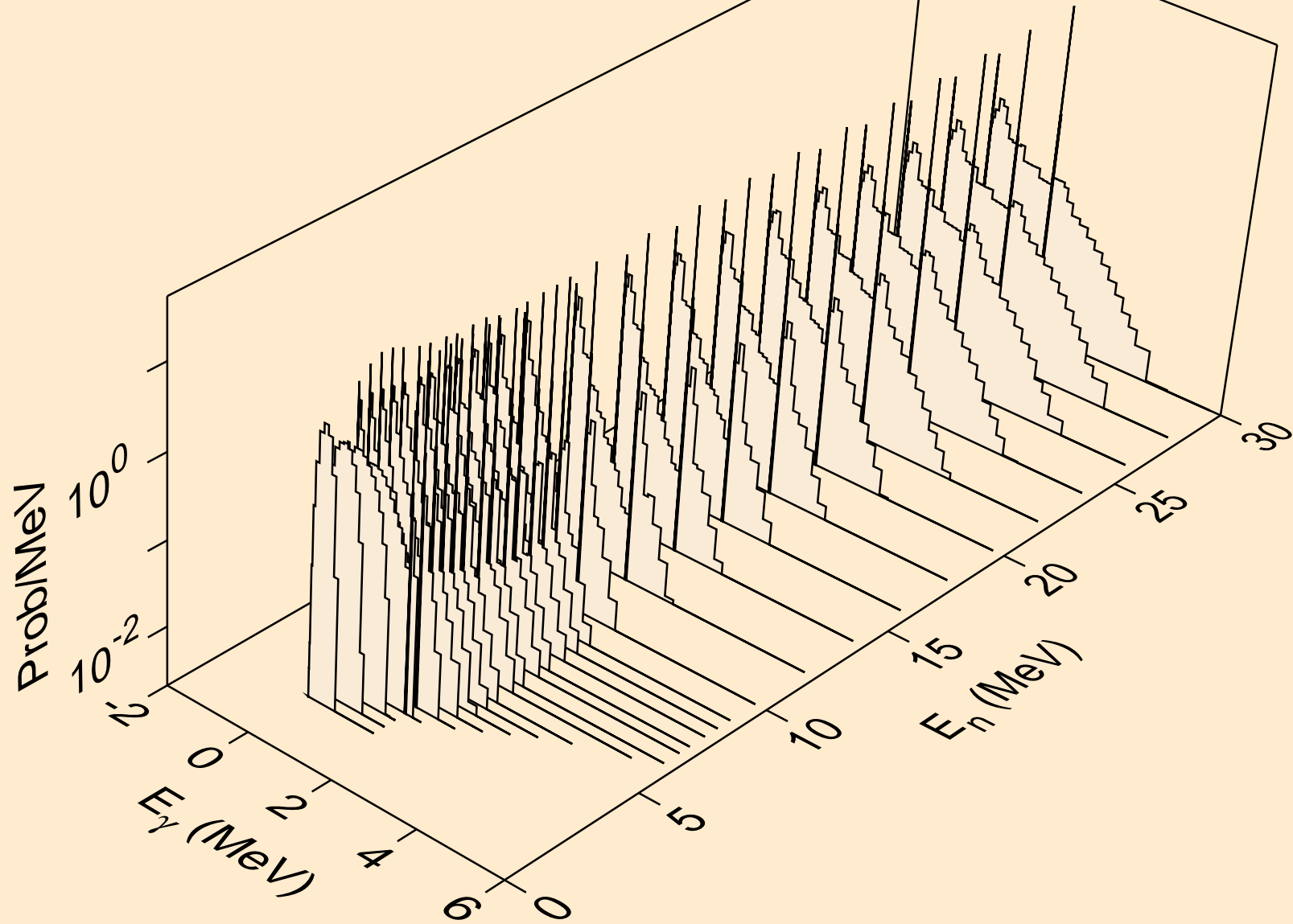
ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



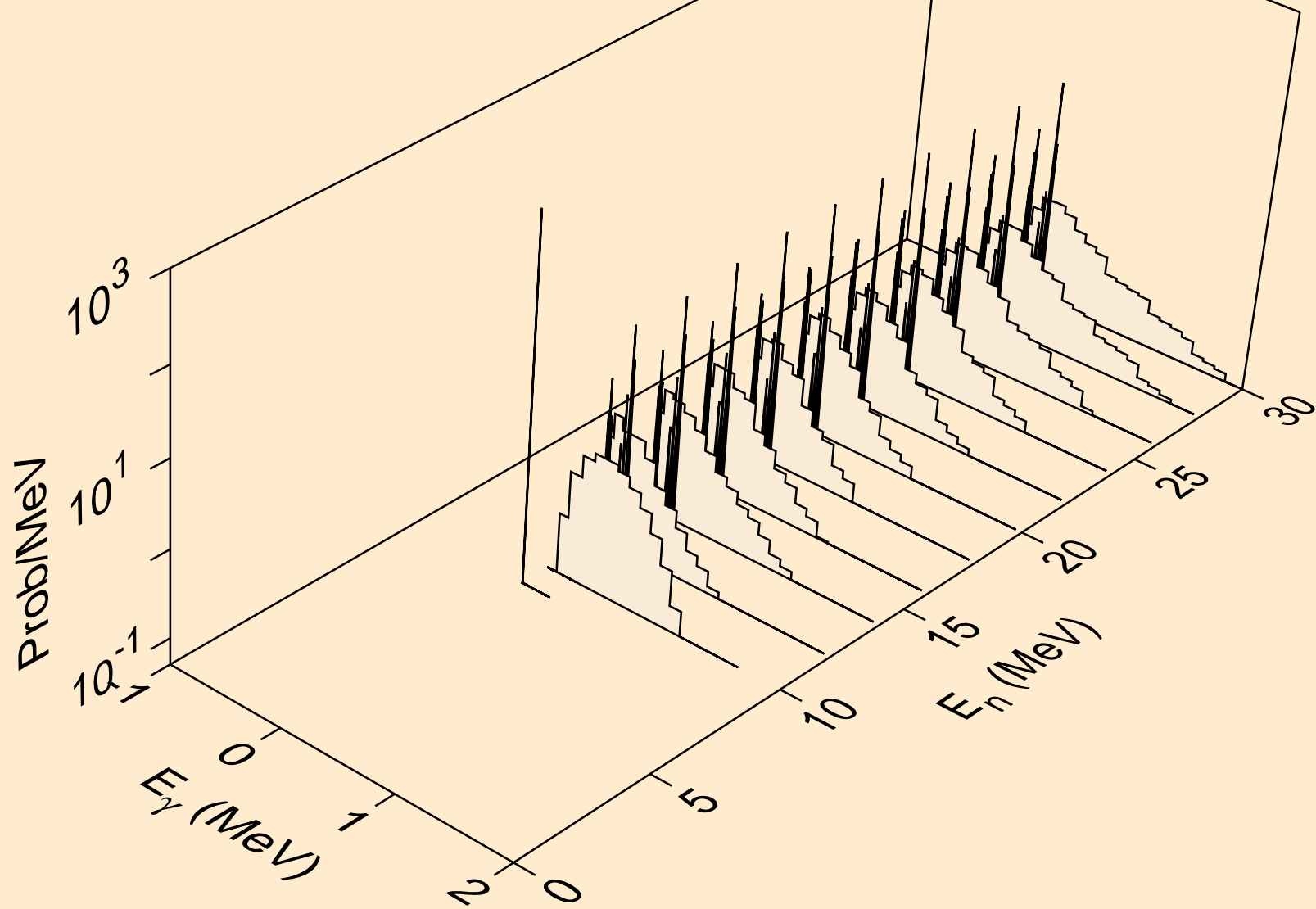
ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



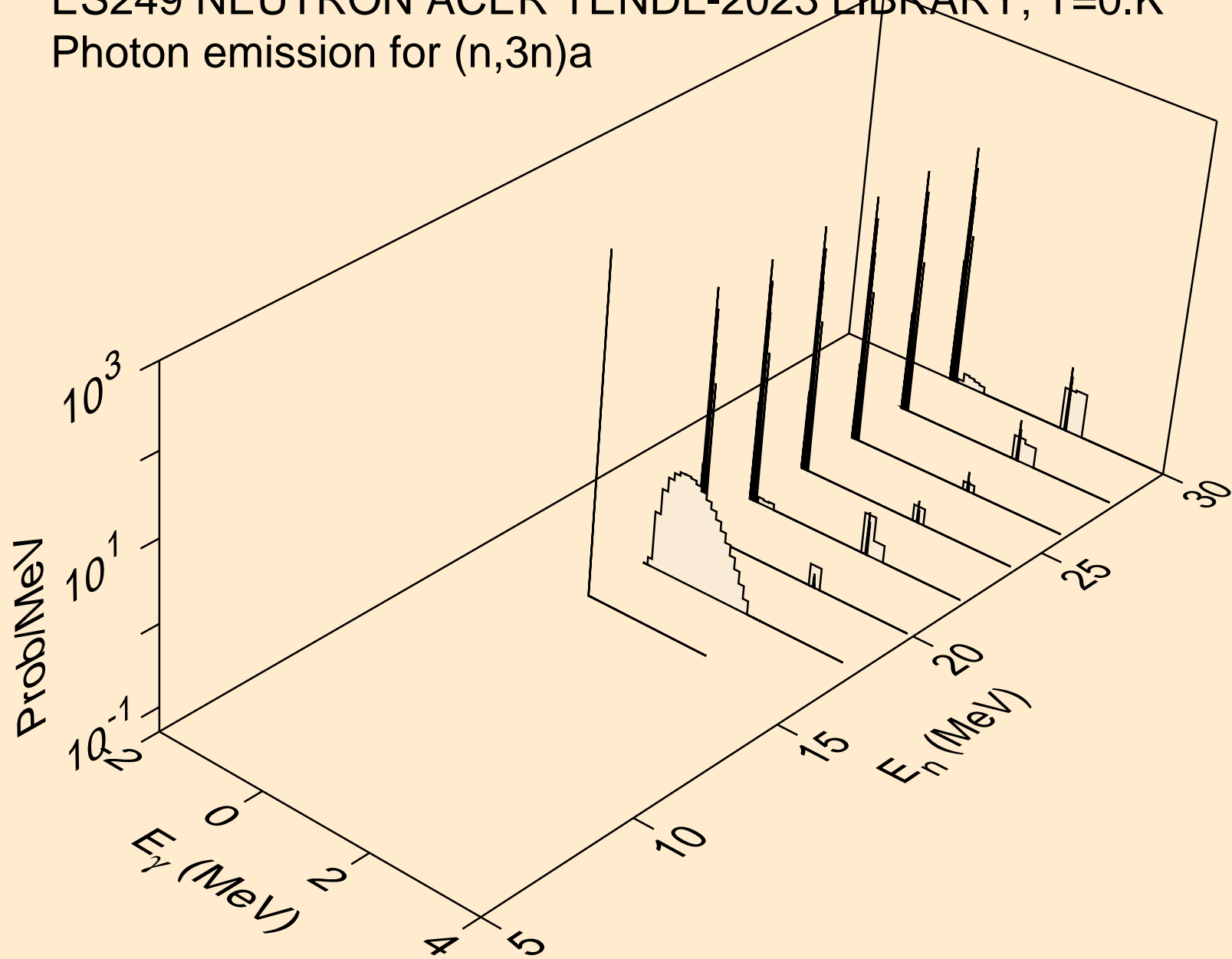
ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



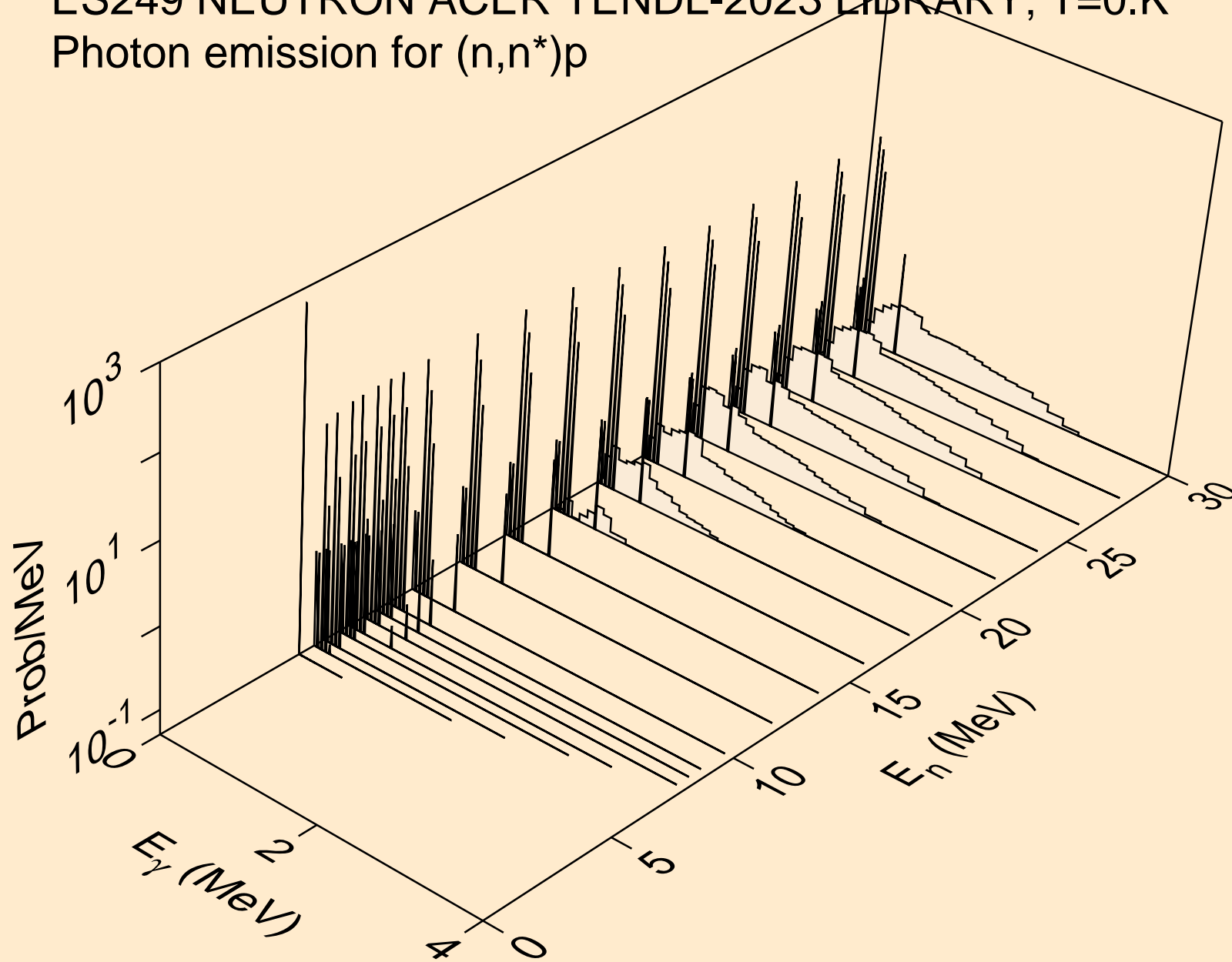
ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a



ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)a

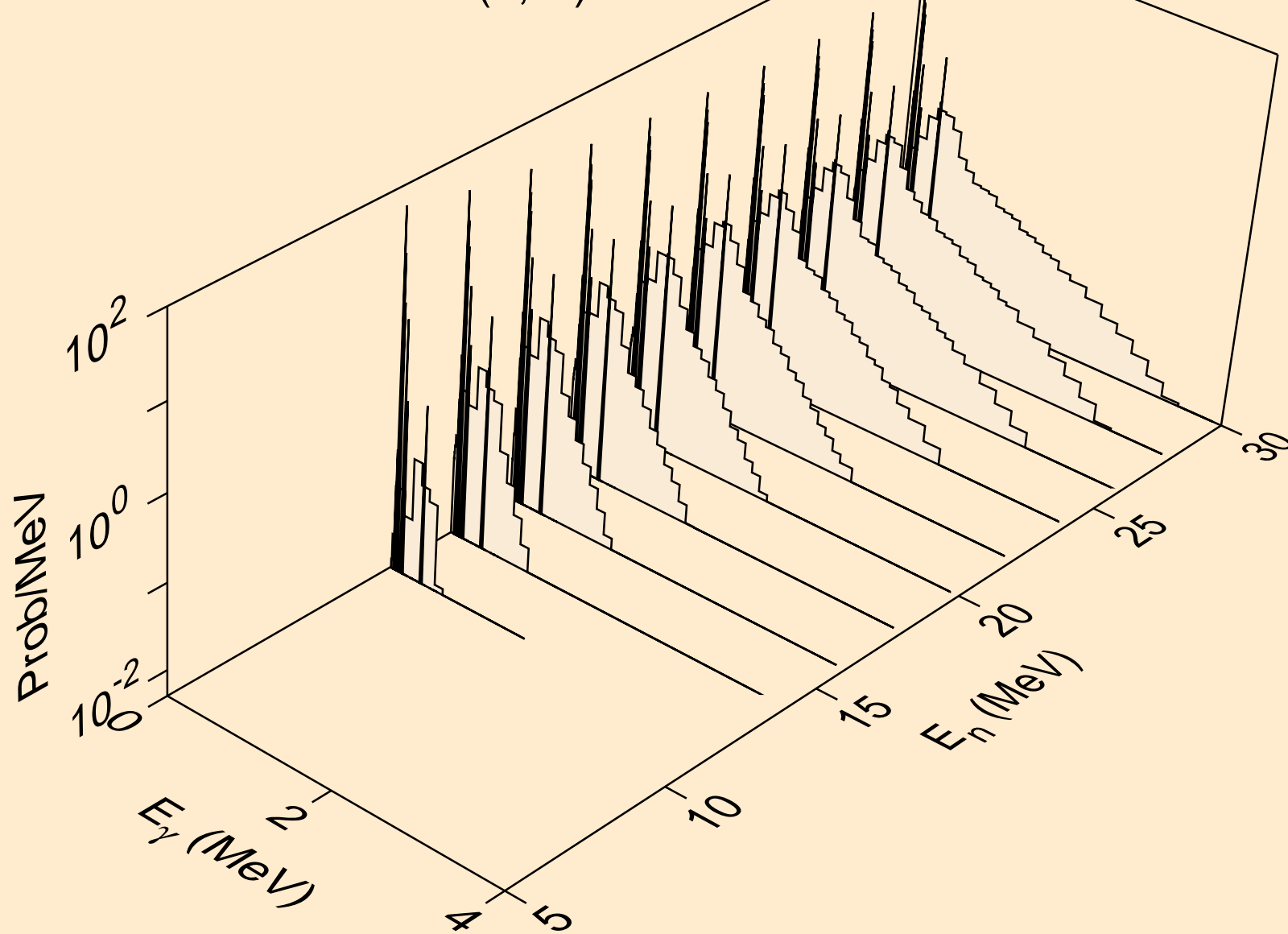


ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p

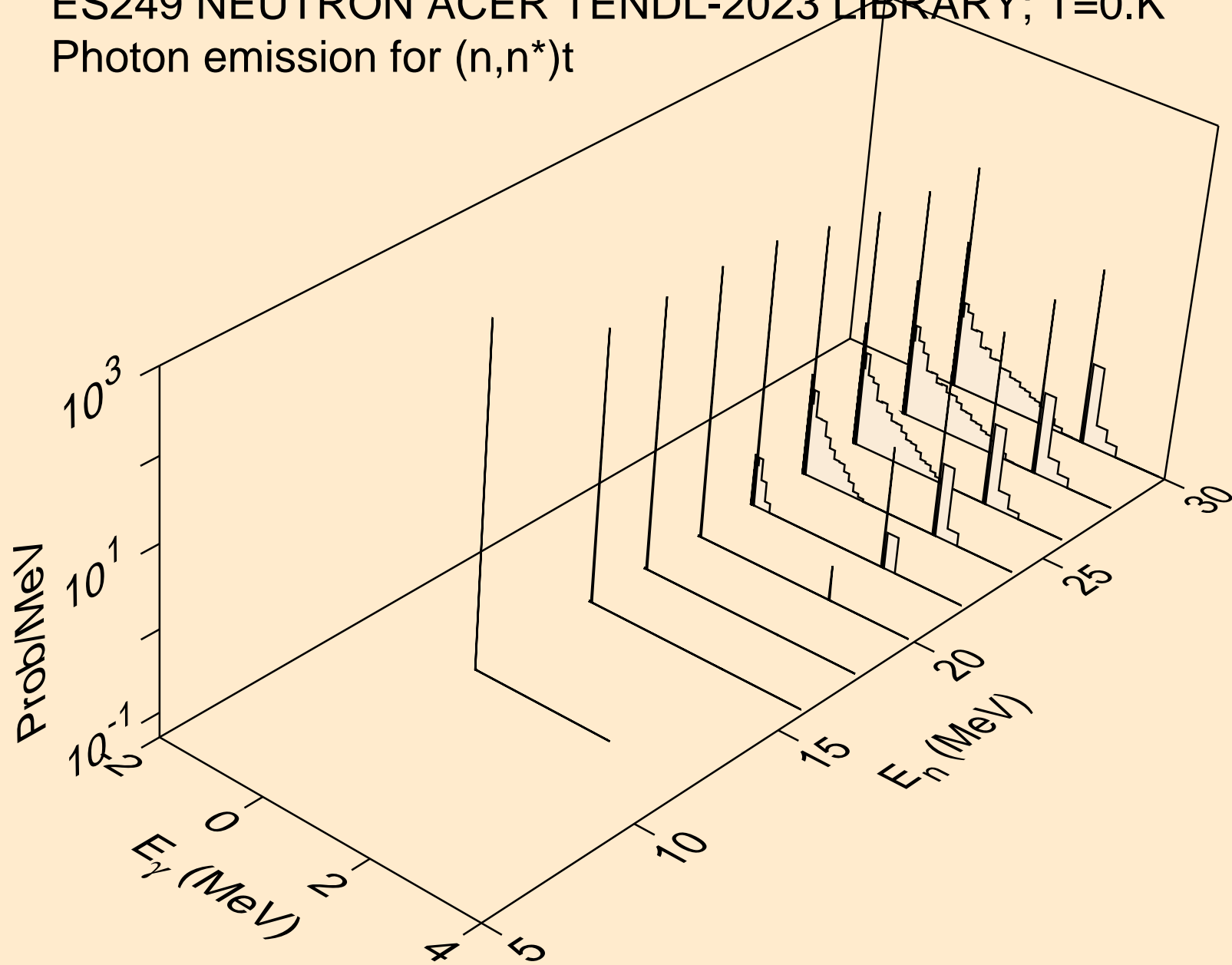




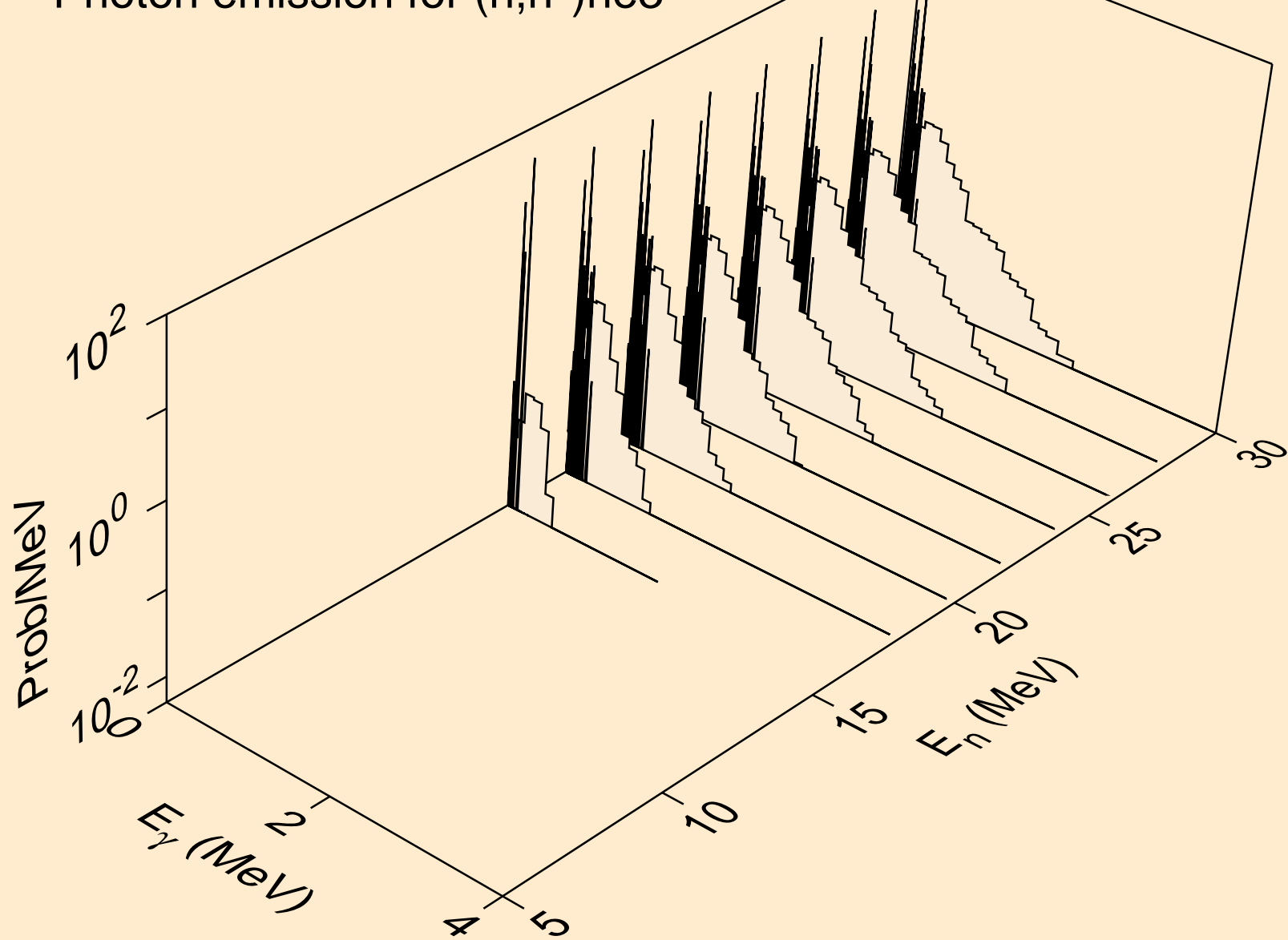
ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



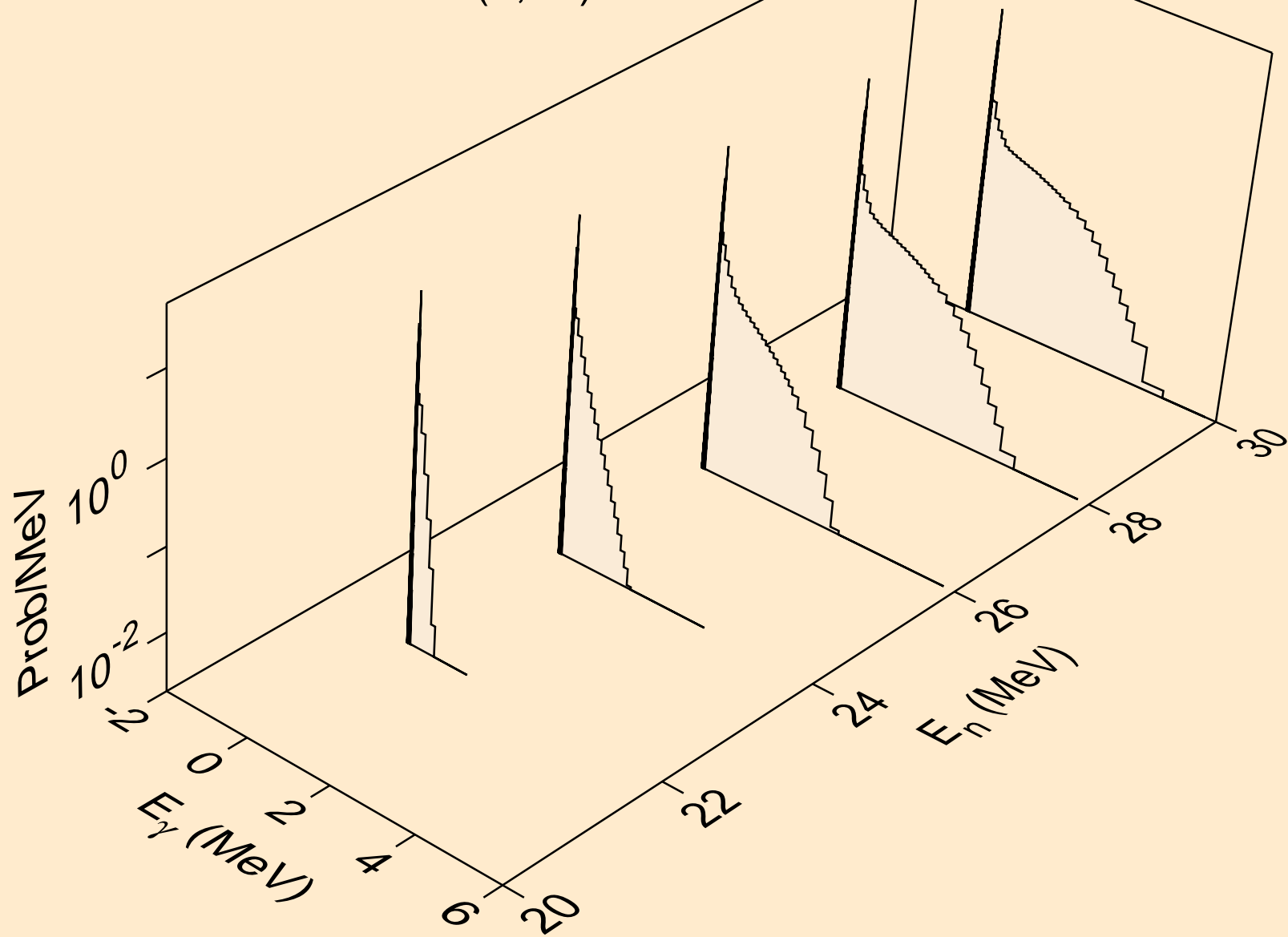
ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



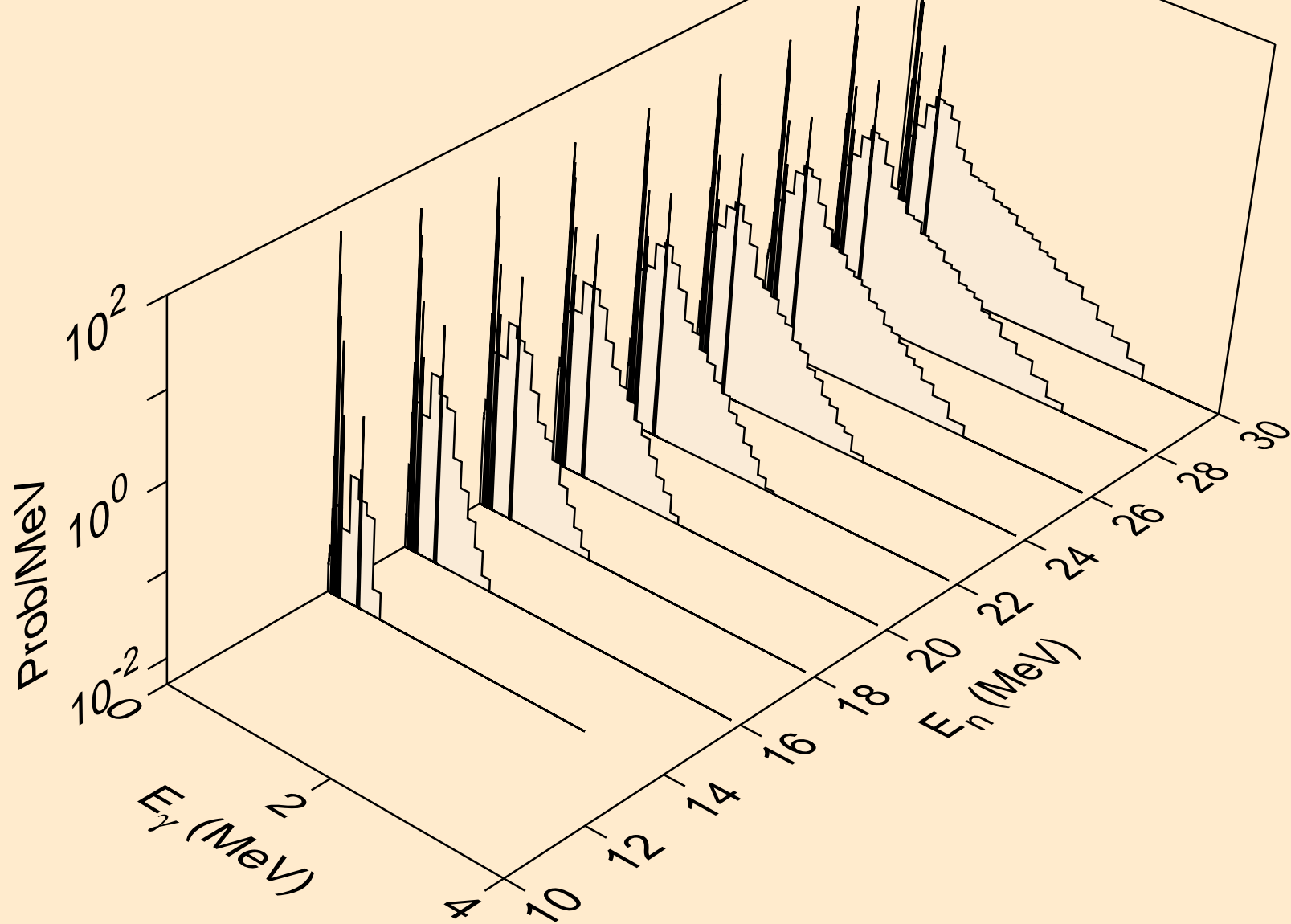
ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



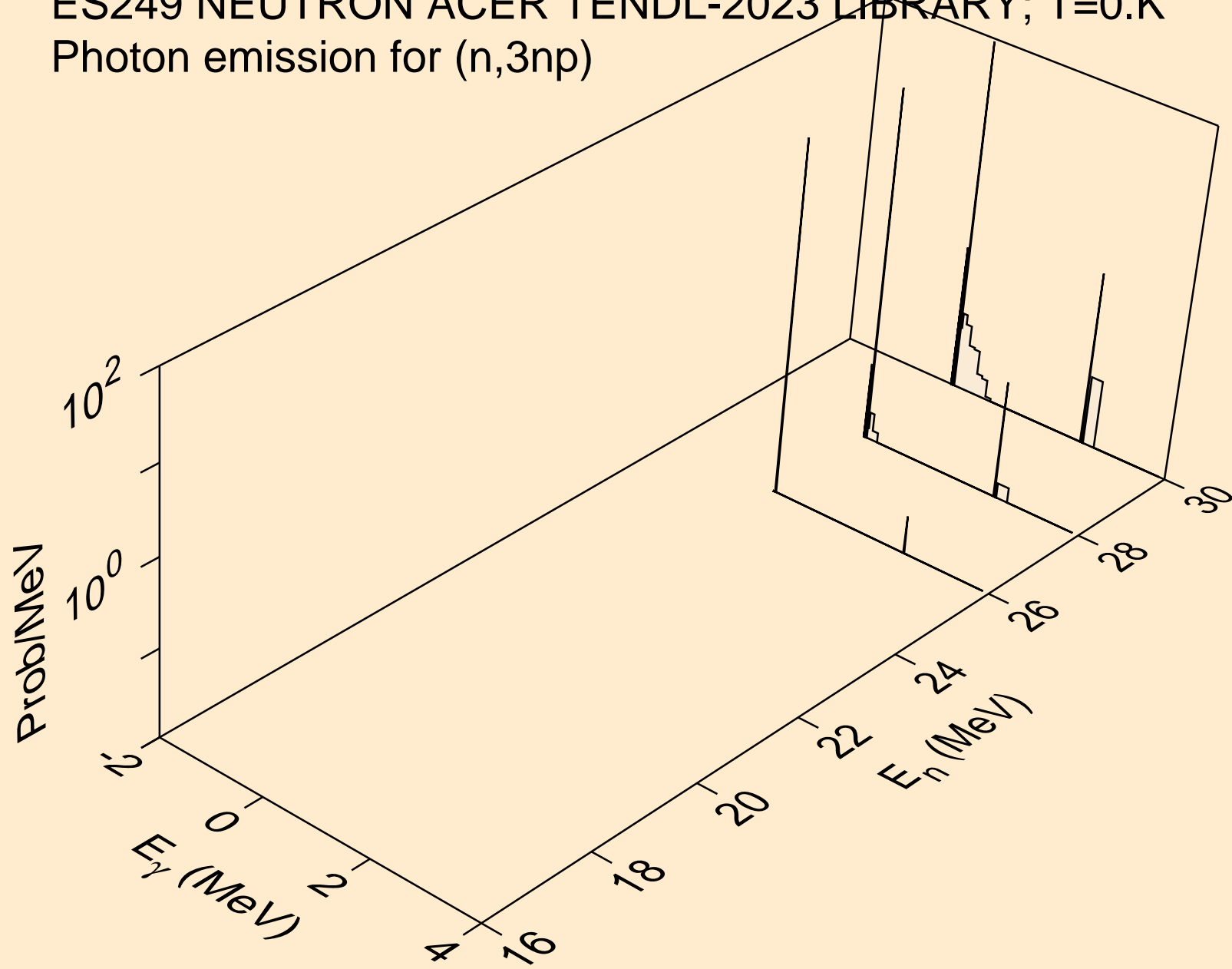
ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,4n)



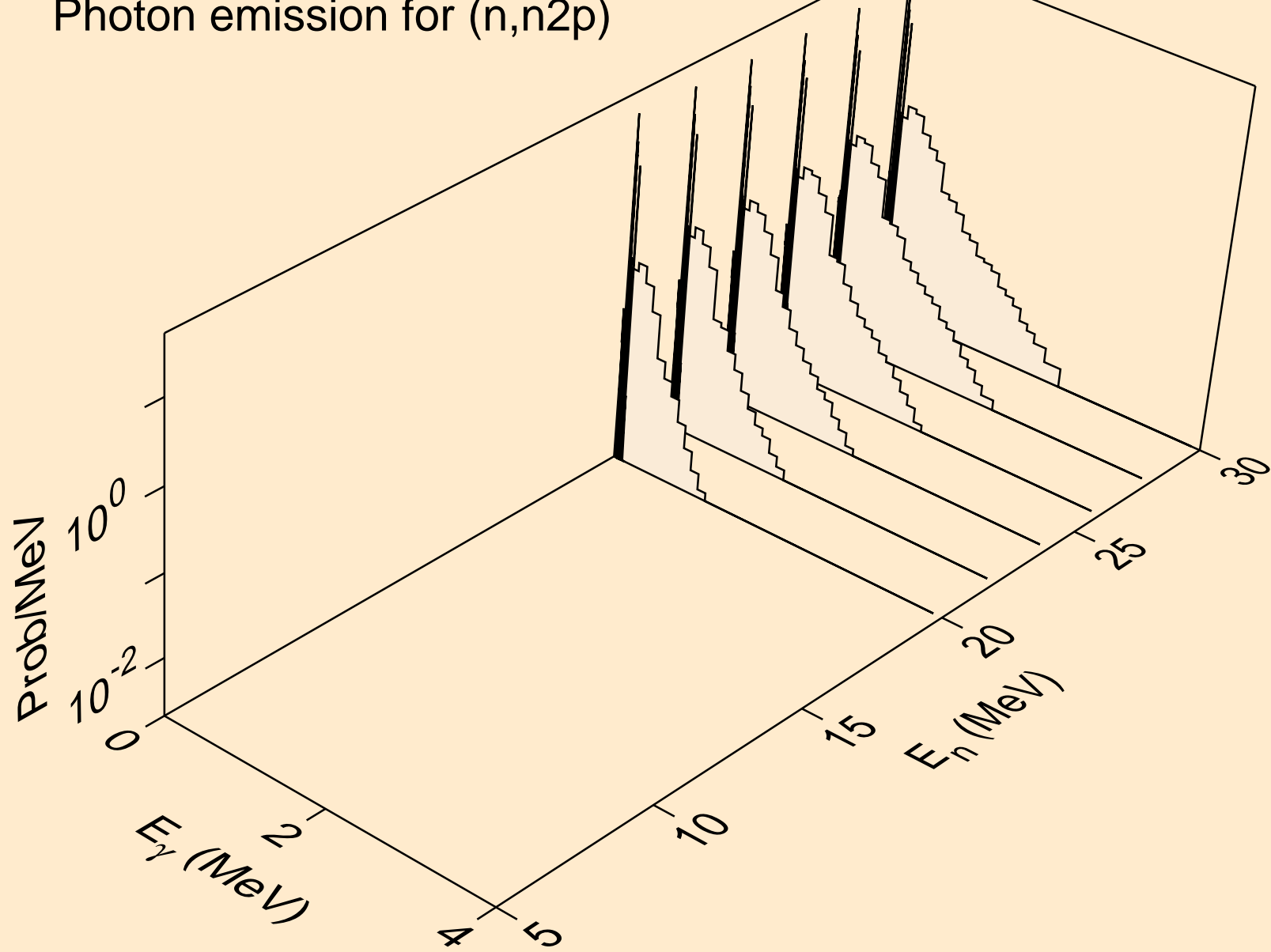
ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)



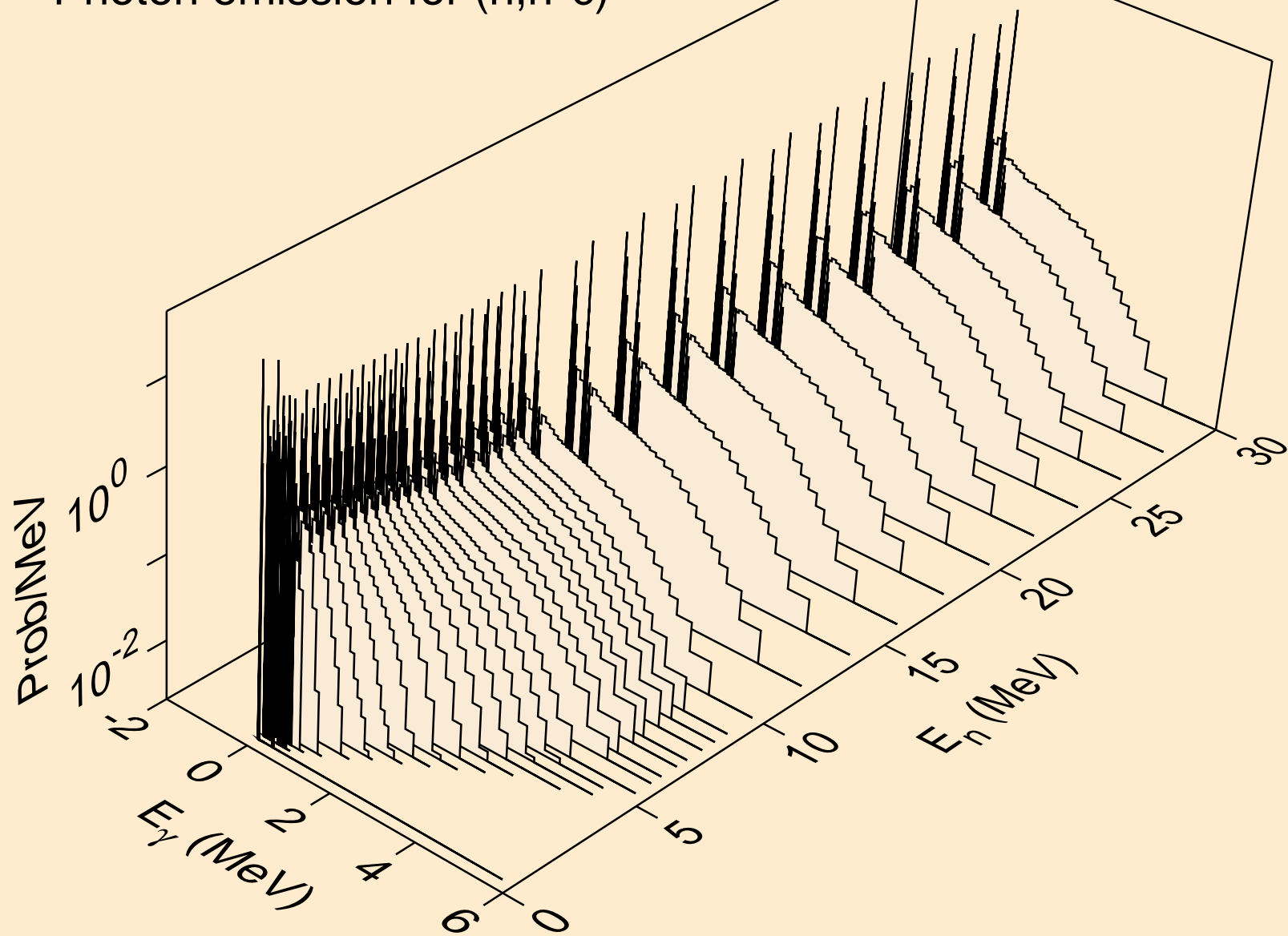
ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3np)



ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)

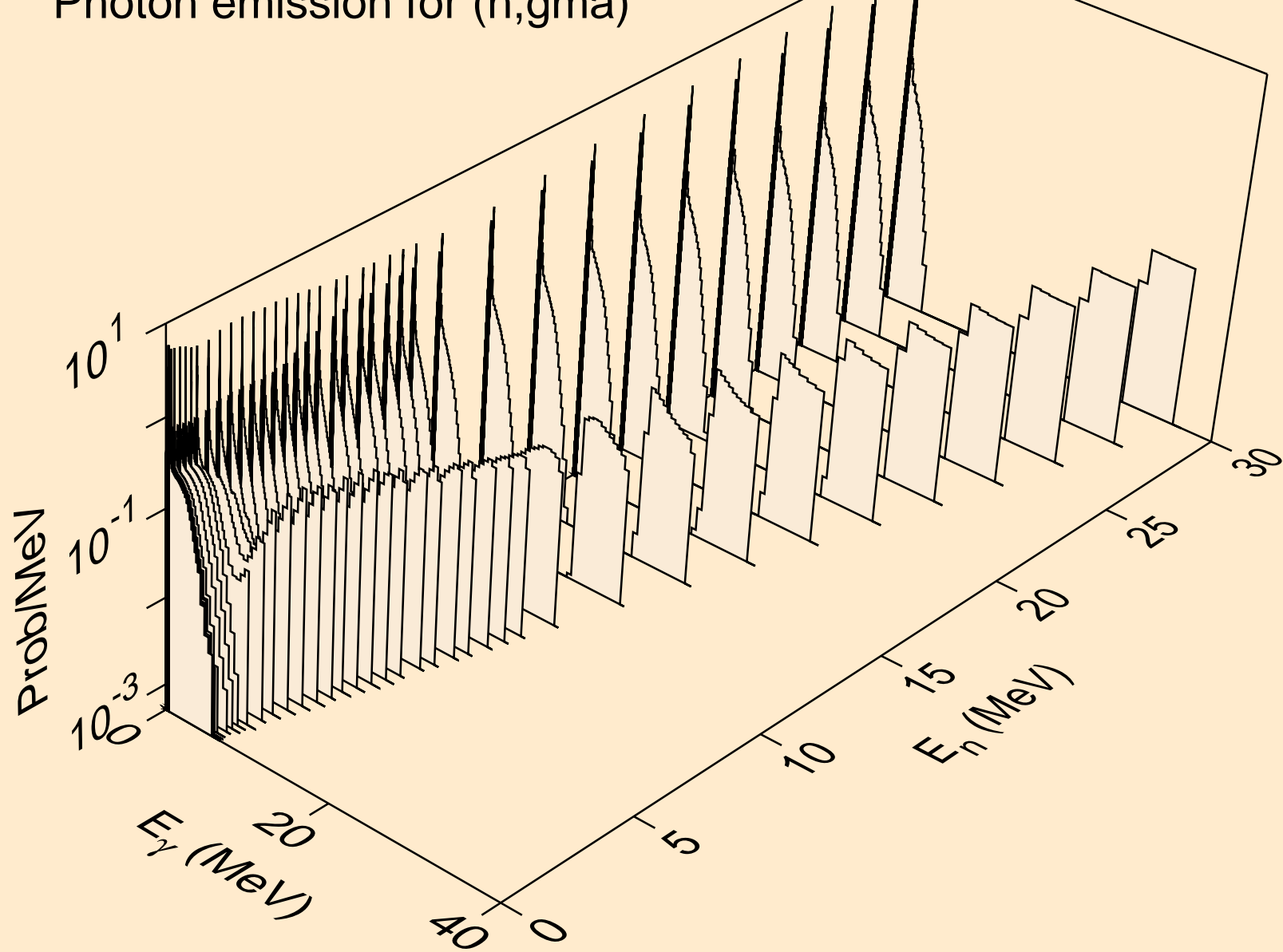


ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*c)

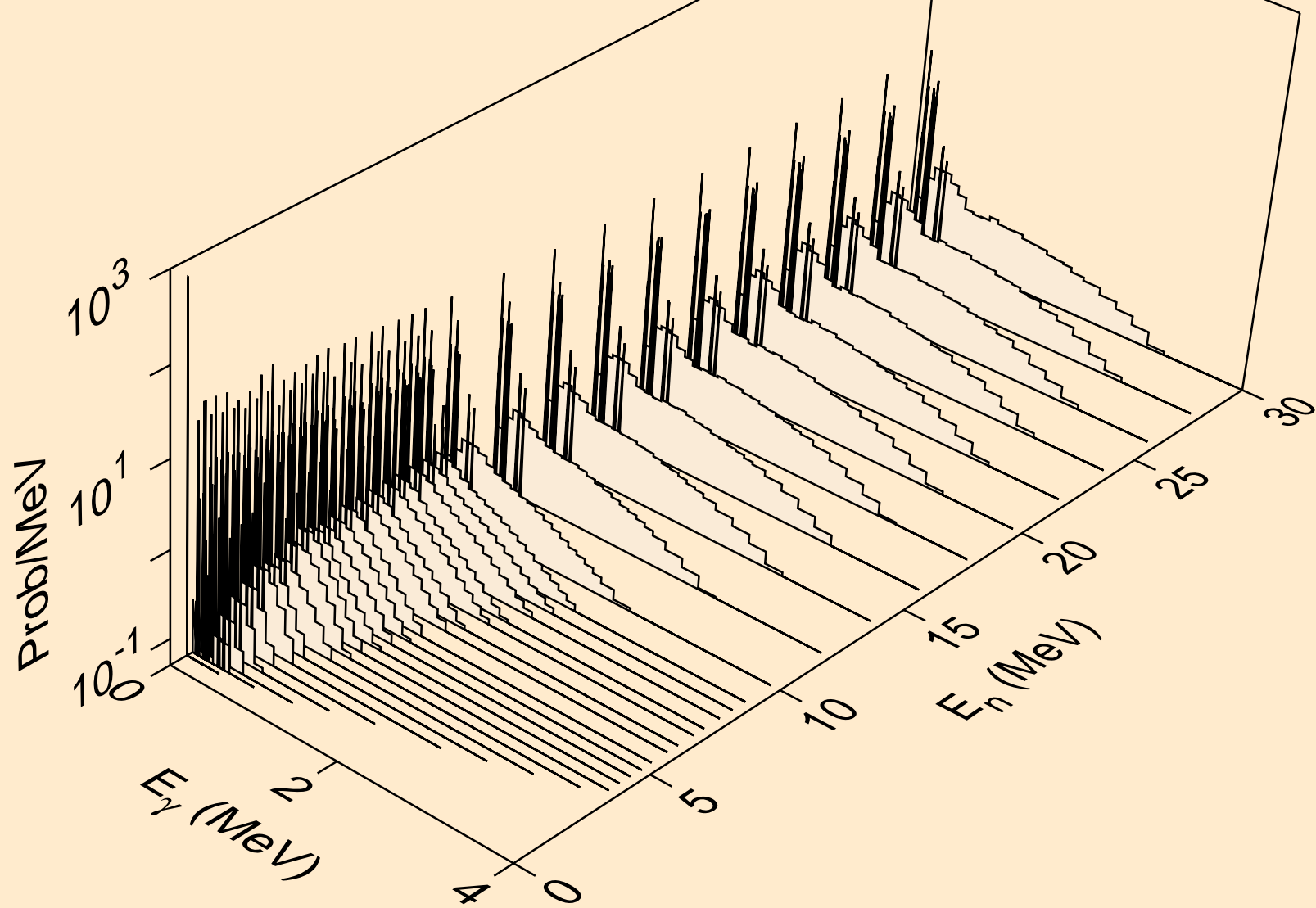




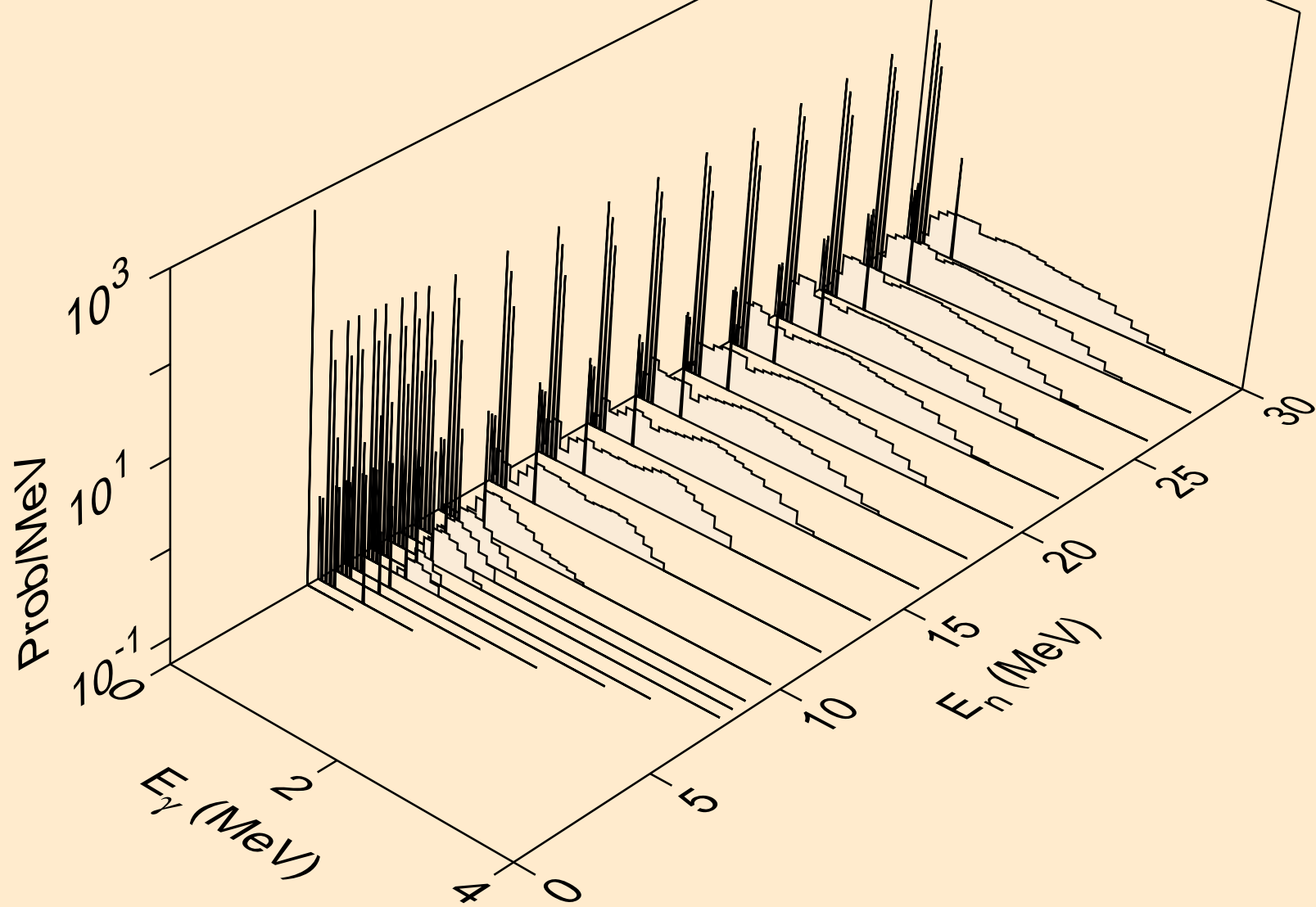
ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)



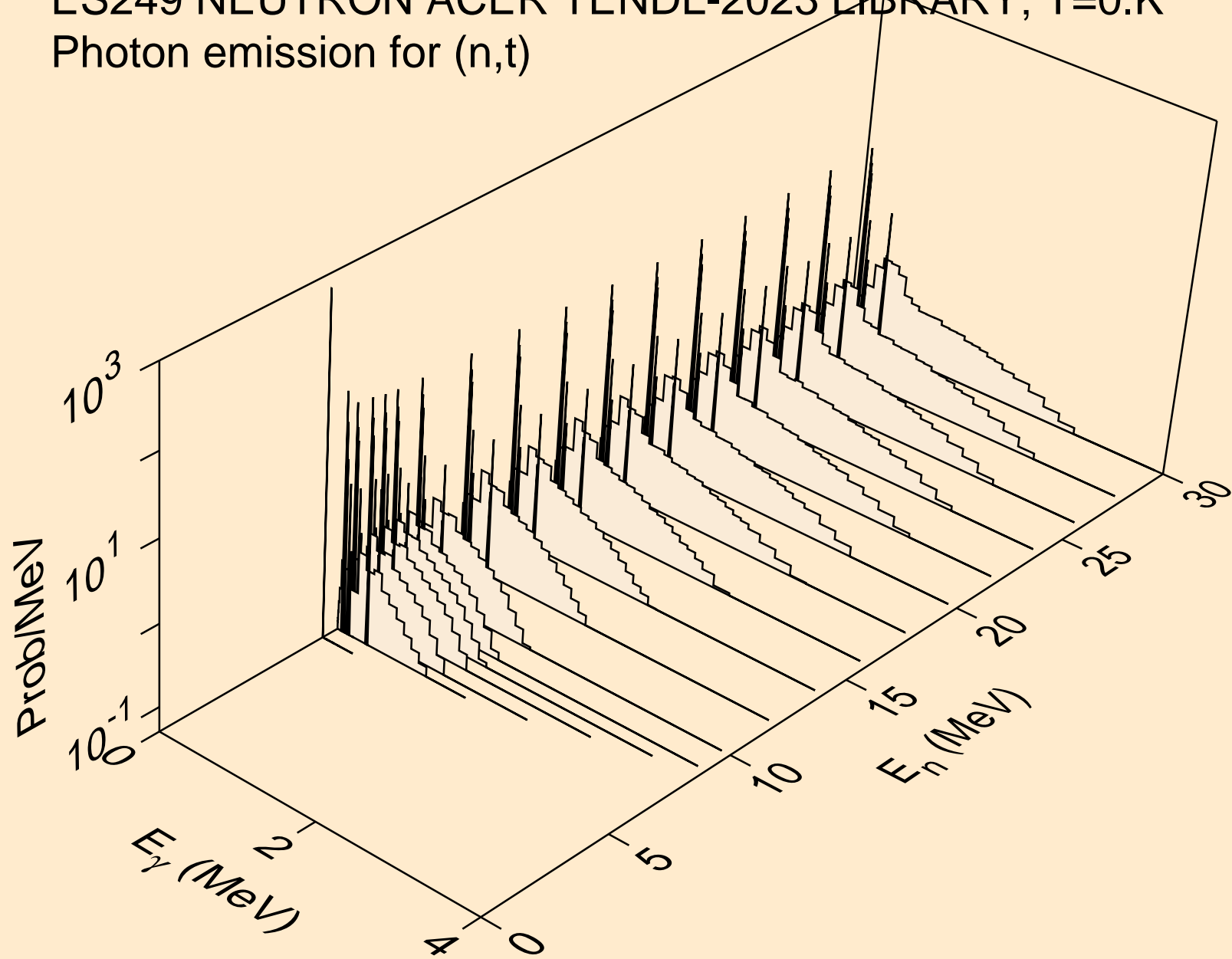
ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)



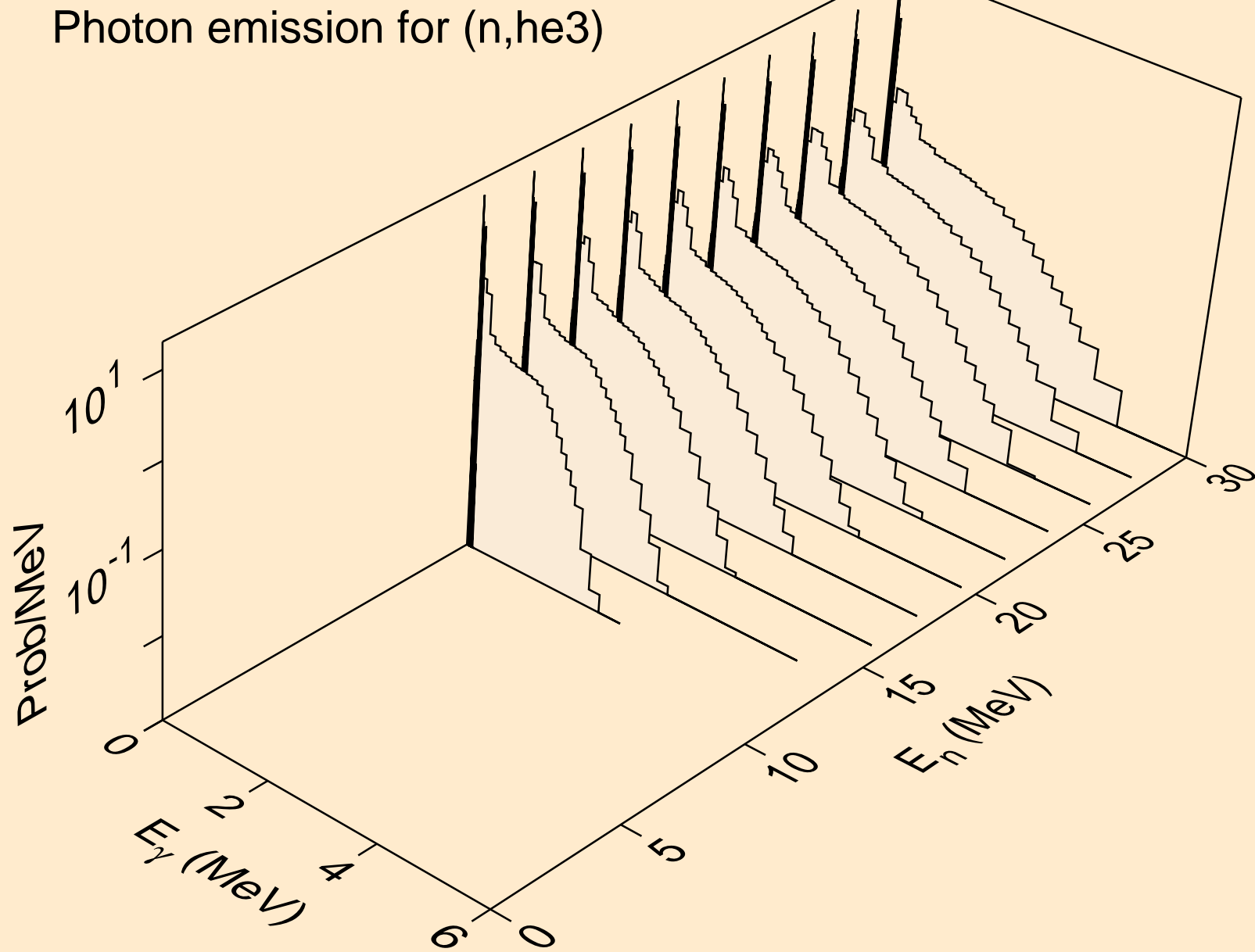
ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)



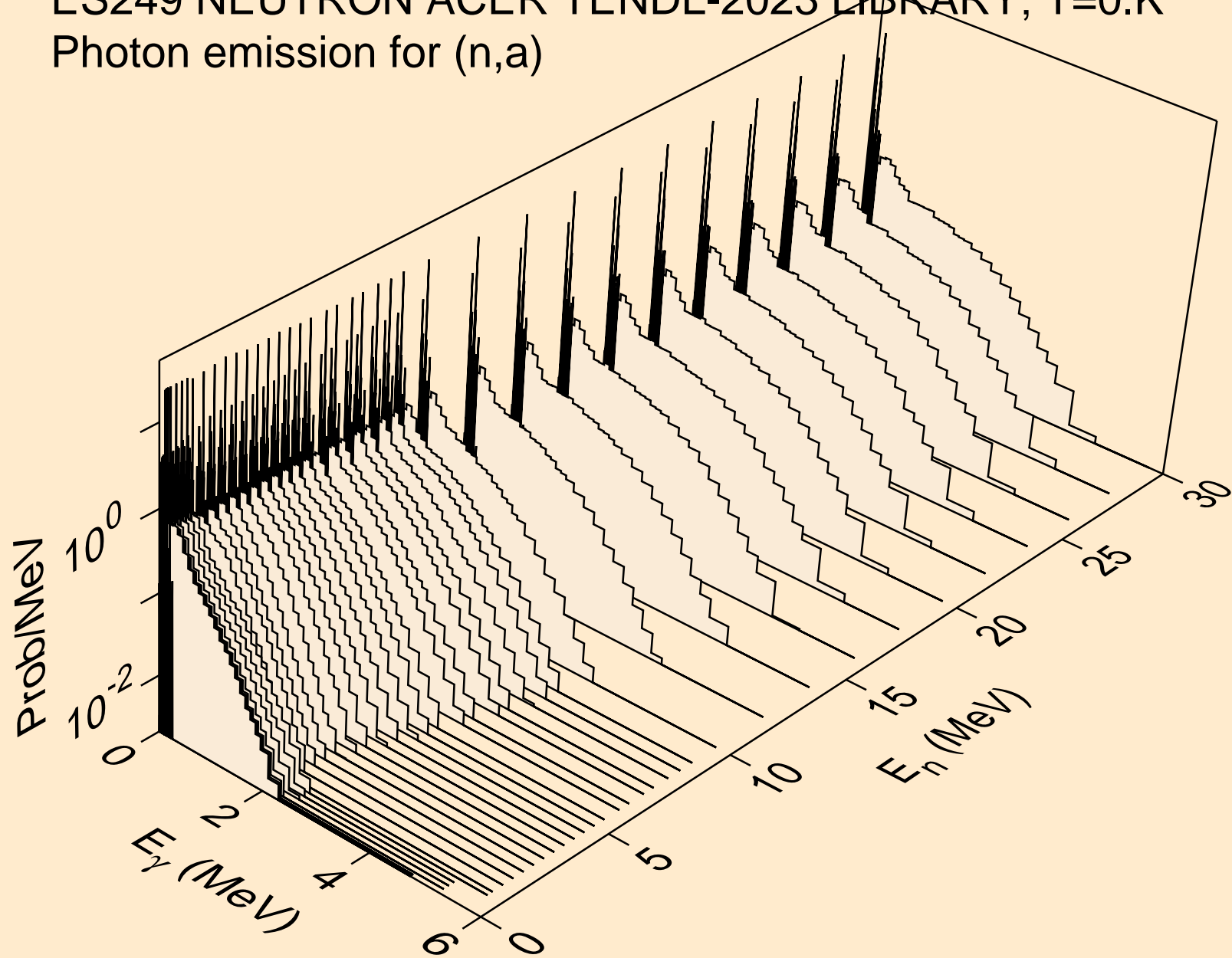
ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)



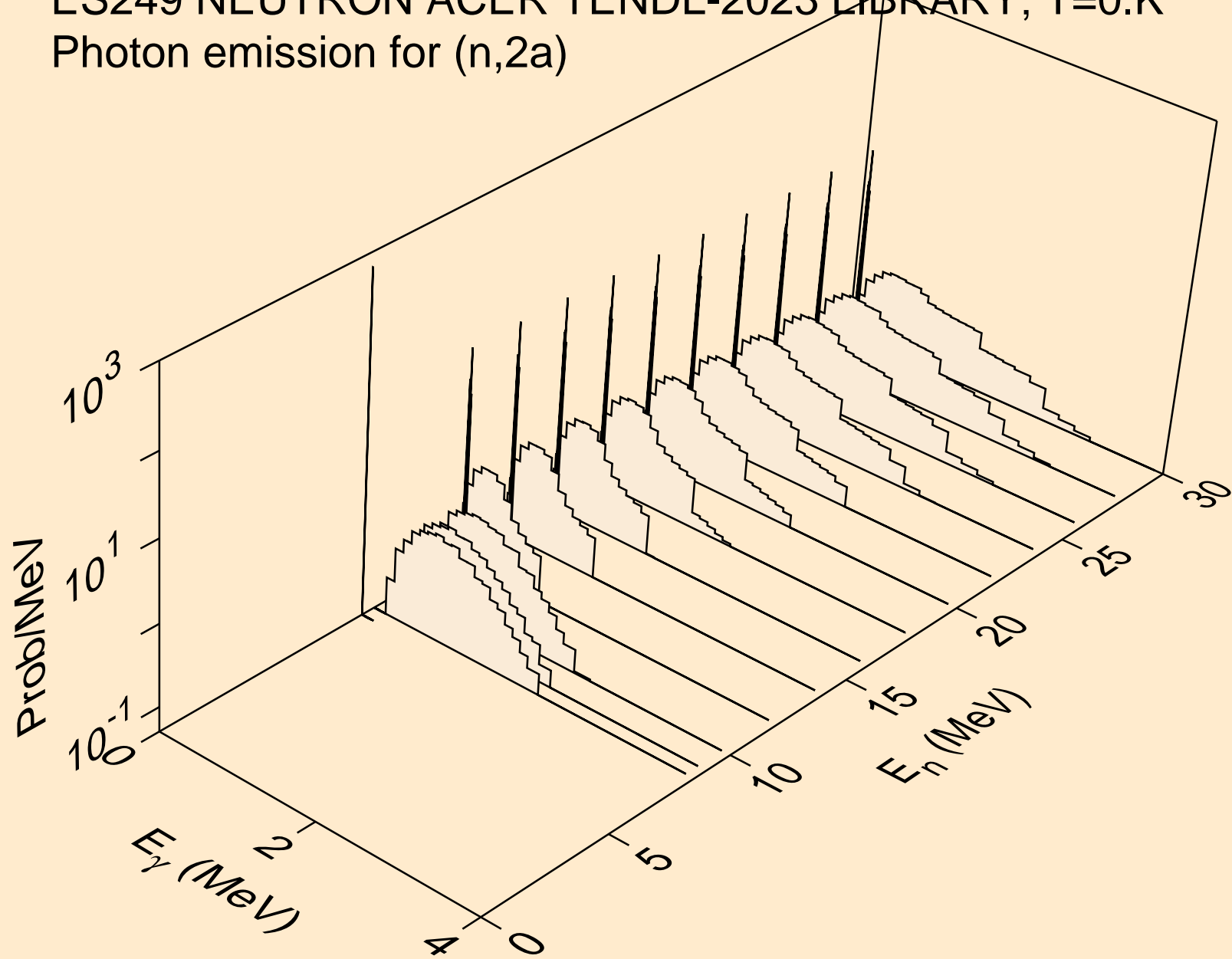
ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)



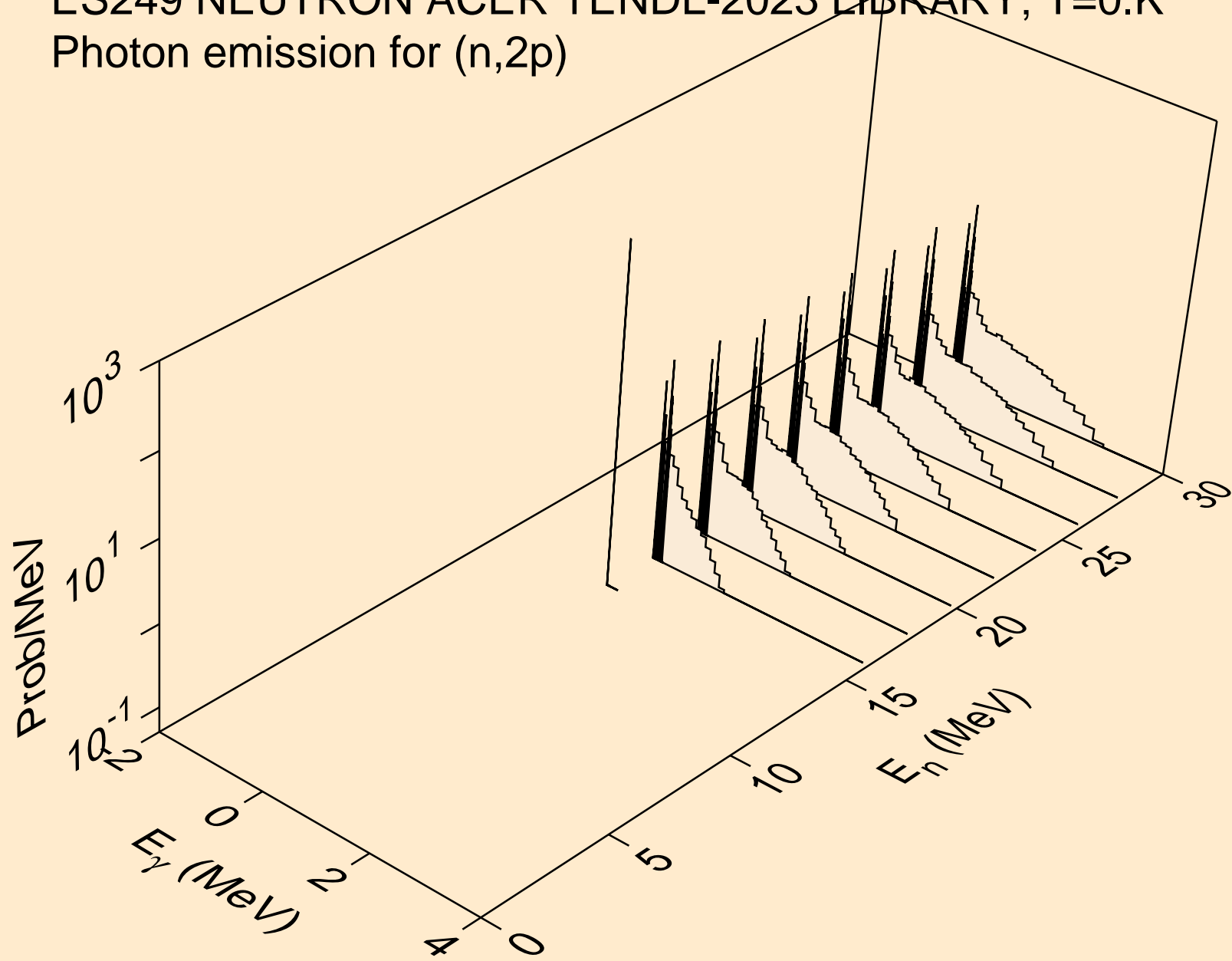
ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)



ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2a)

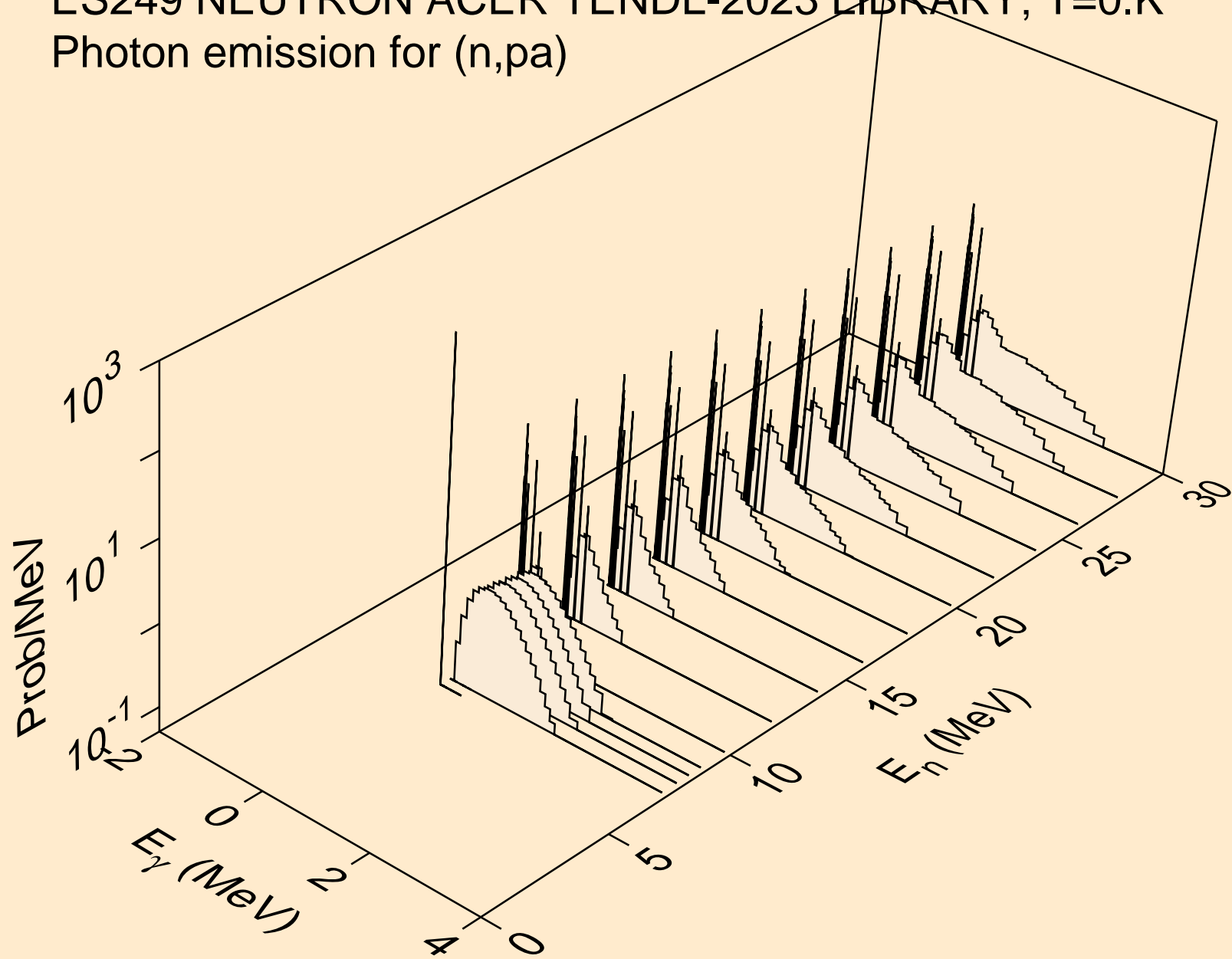


ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)

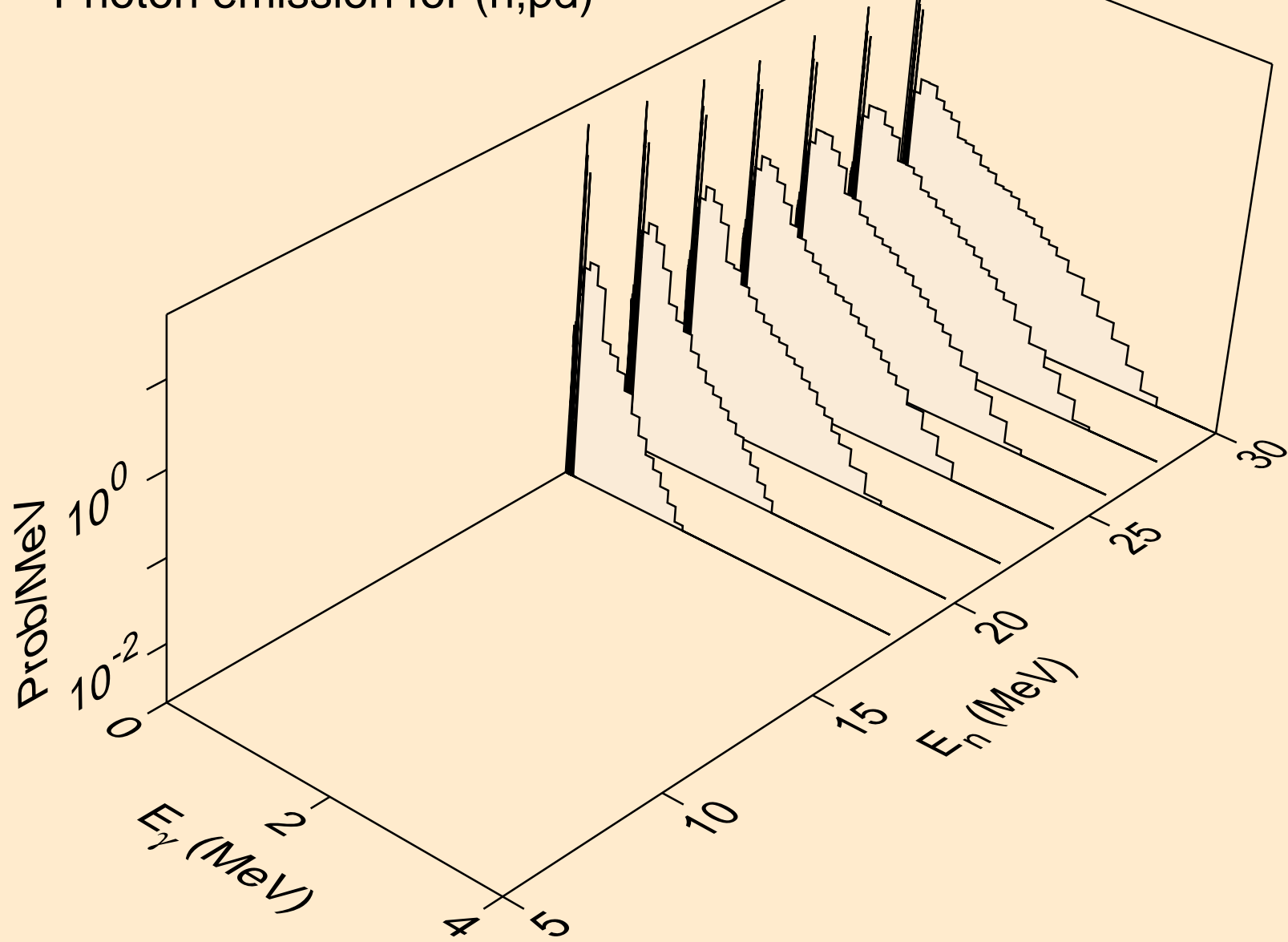




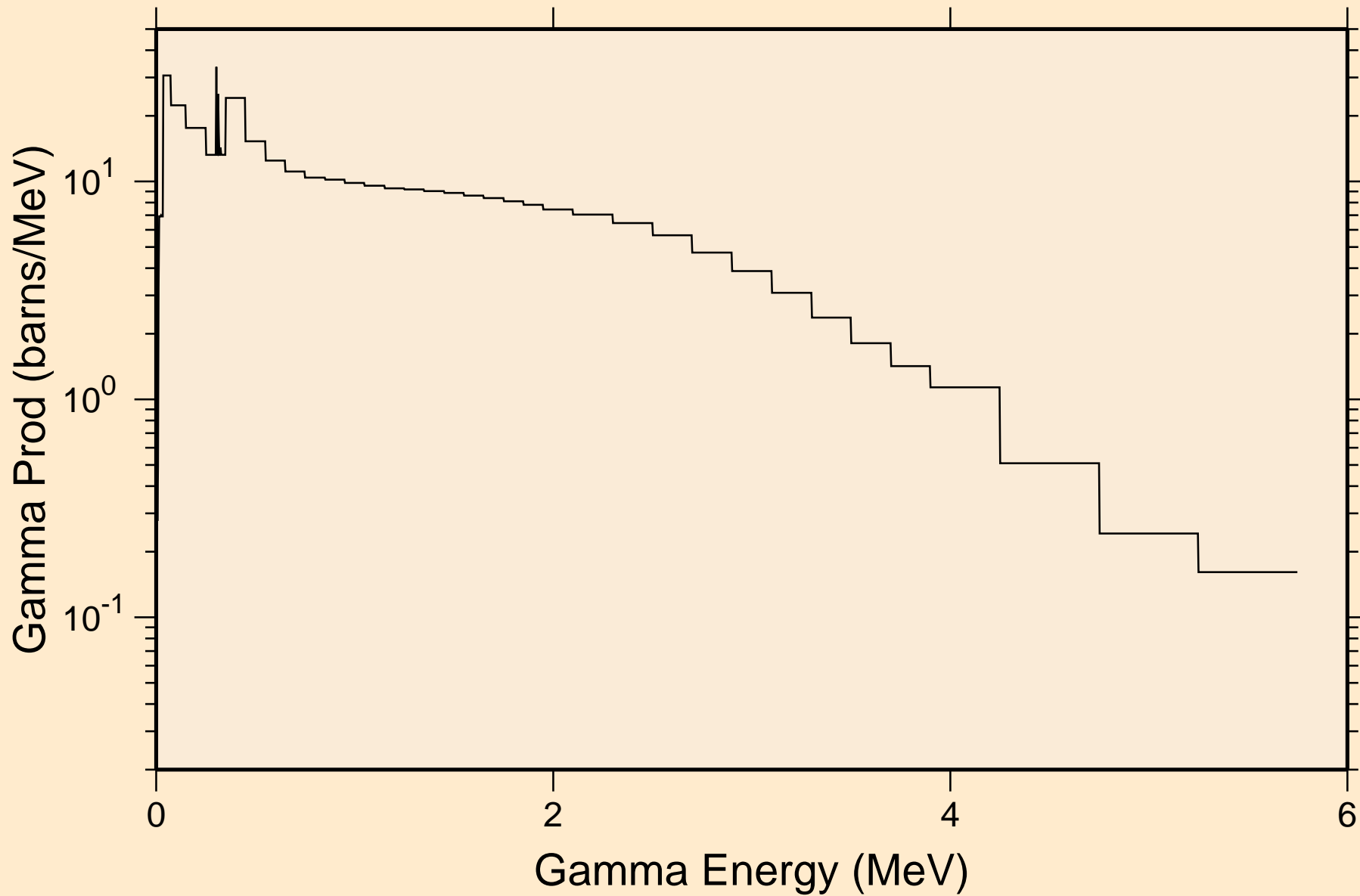
ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p $\alpha$ )



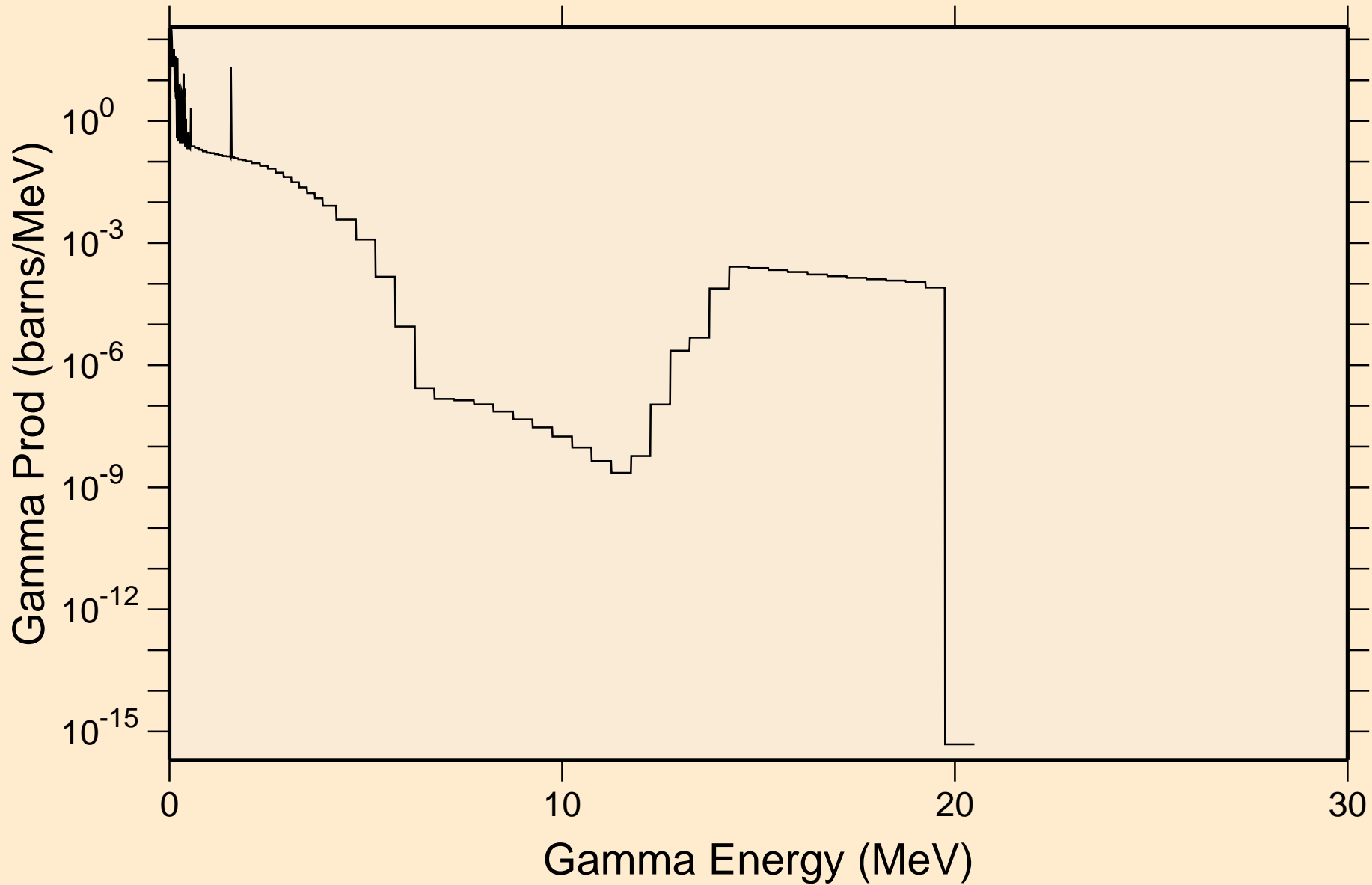
ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)



ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
thermal capture photon spectrum

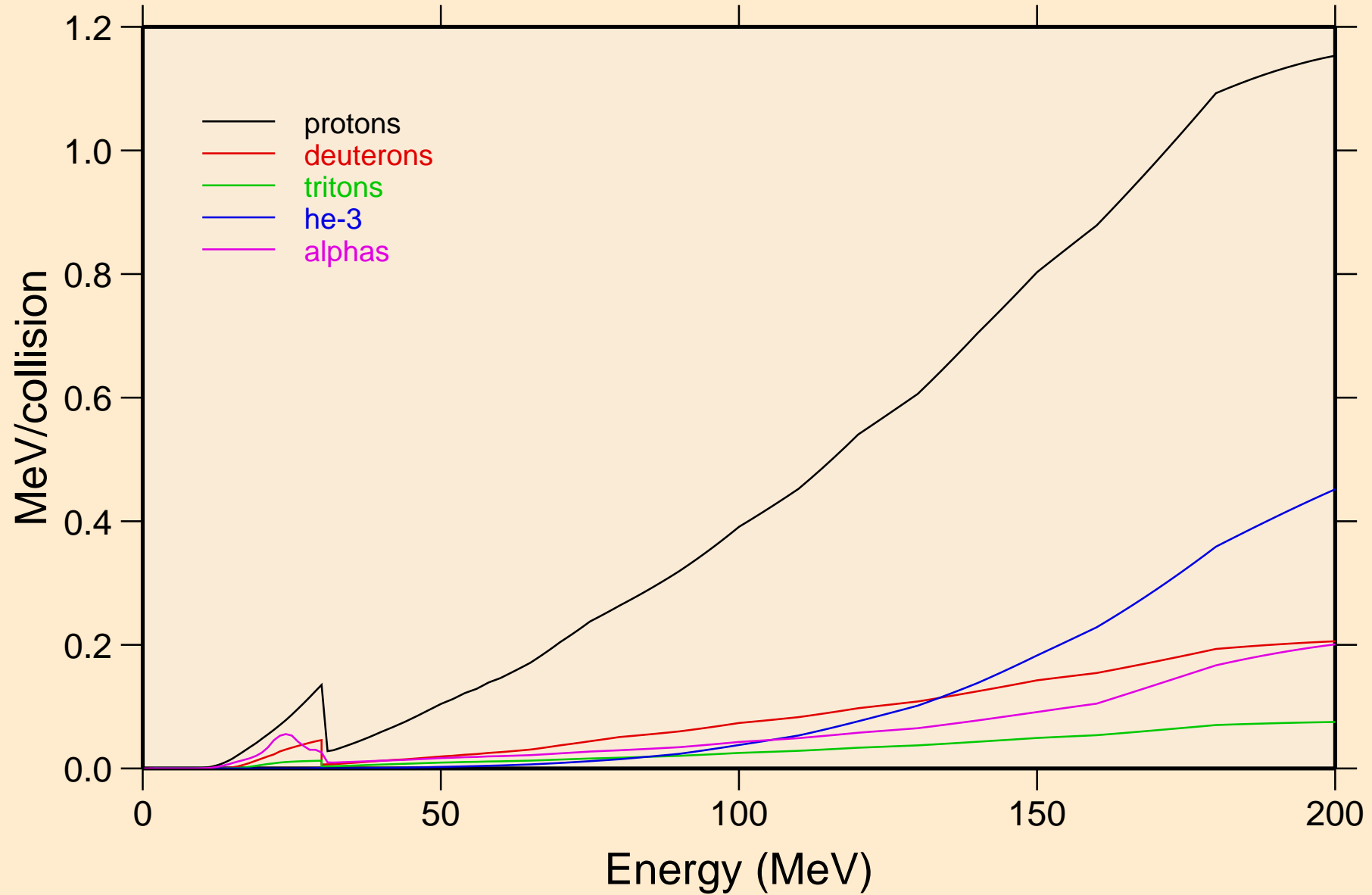


ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
14 MeV photon spectrum

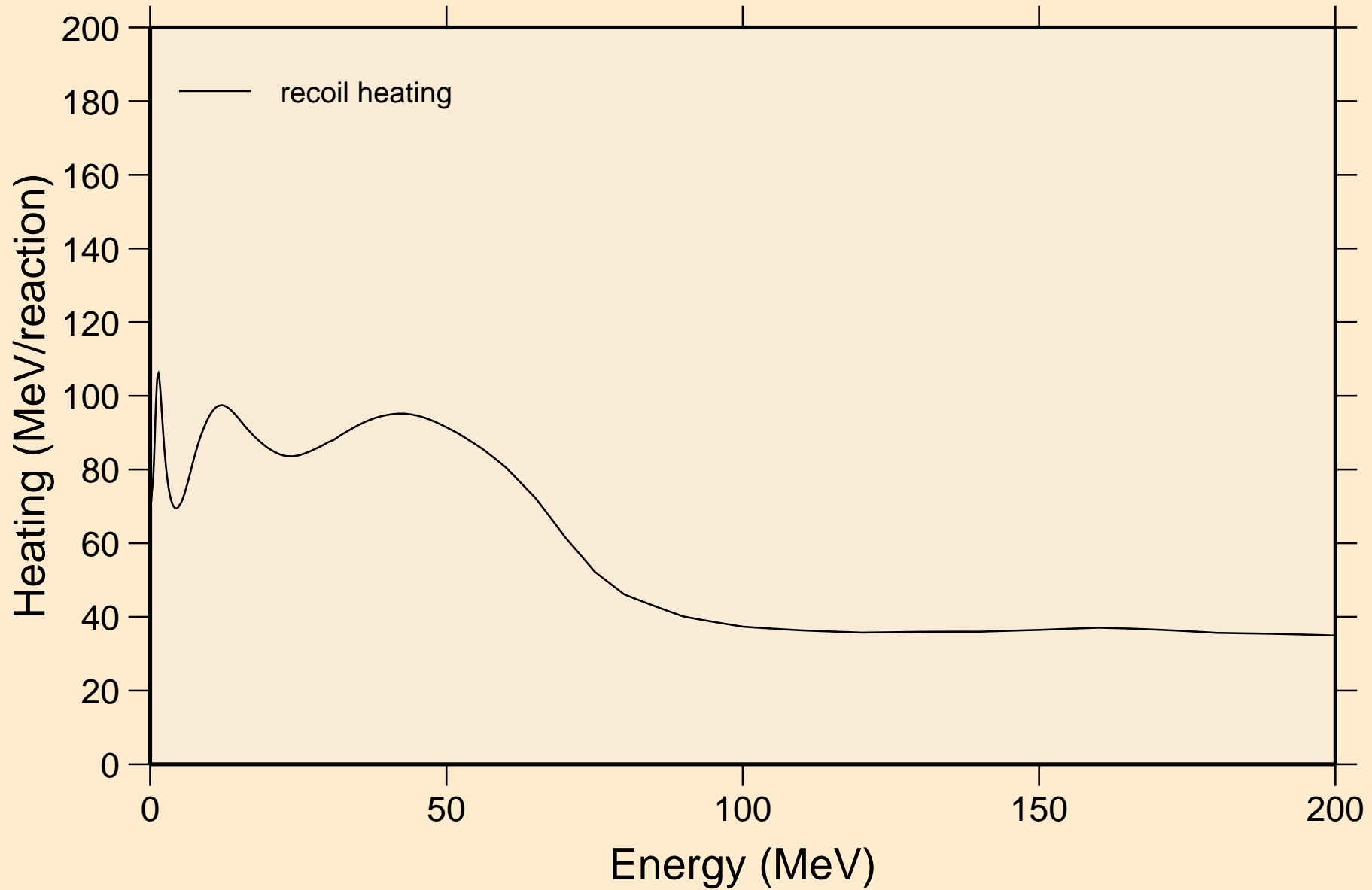


# ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Particle heating contributions

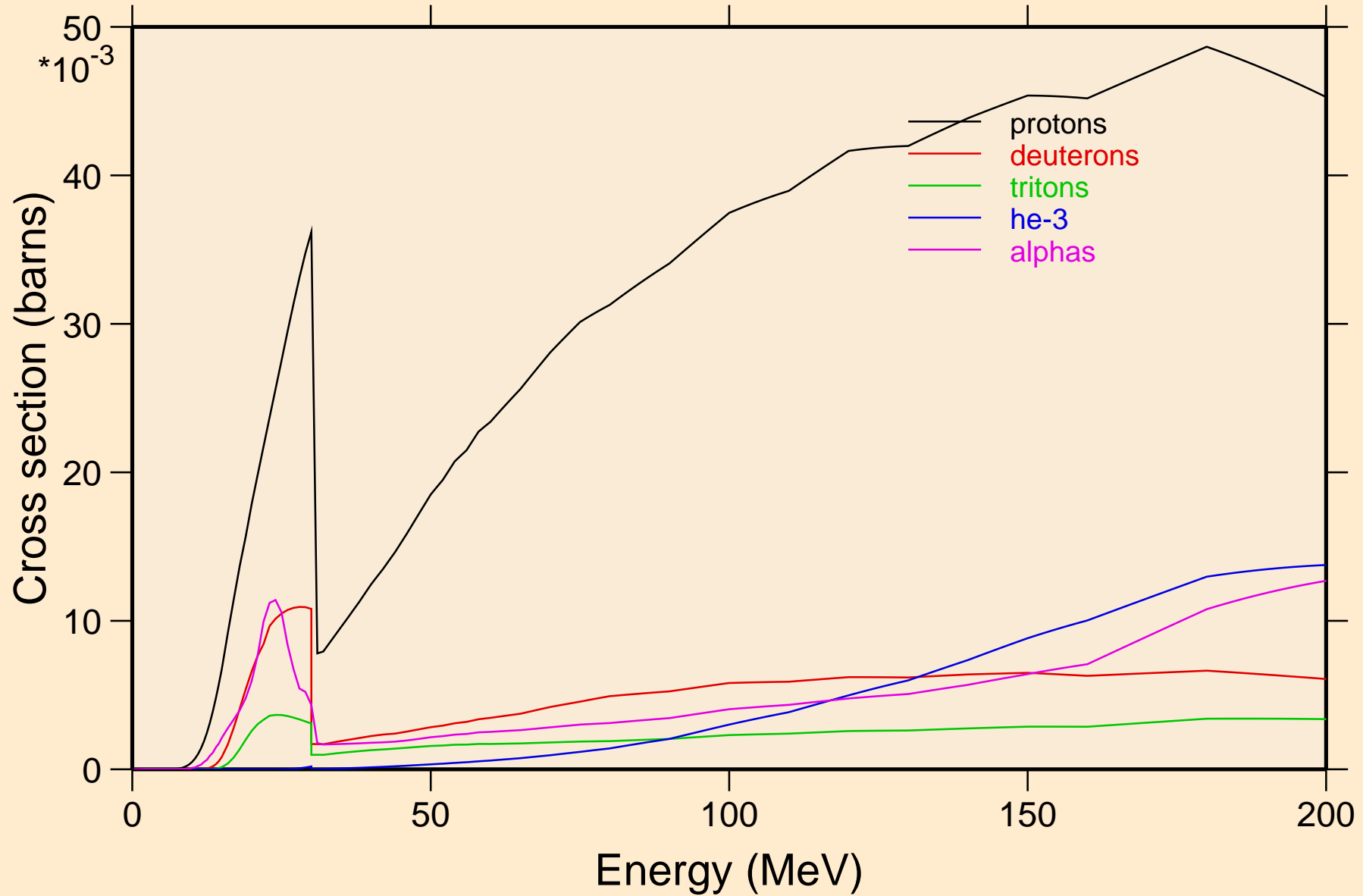


ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating

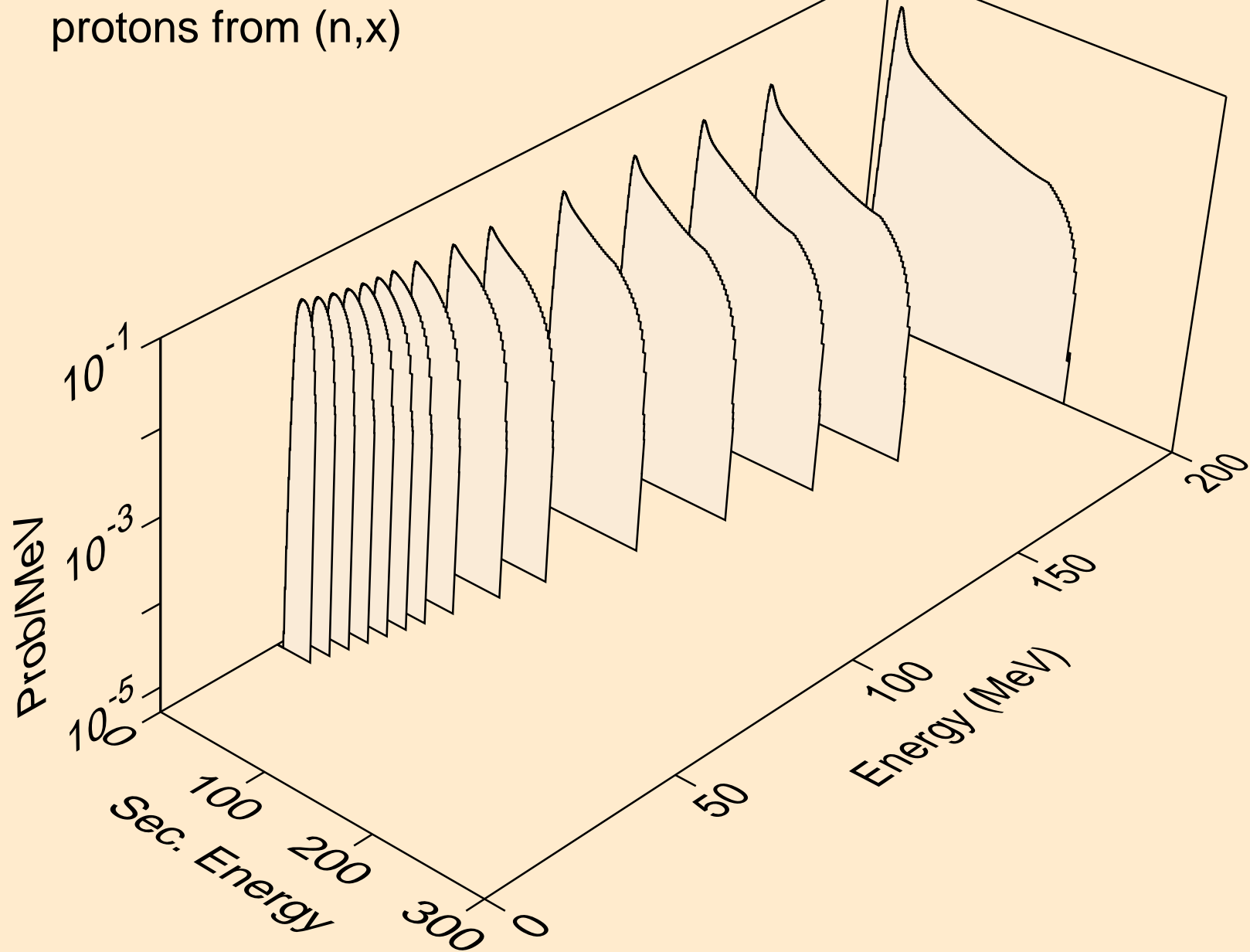


# ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Particle production cross sections

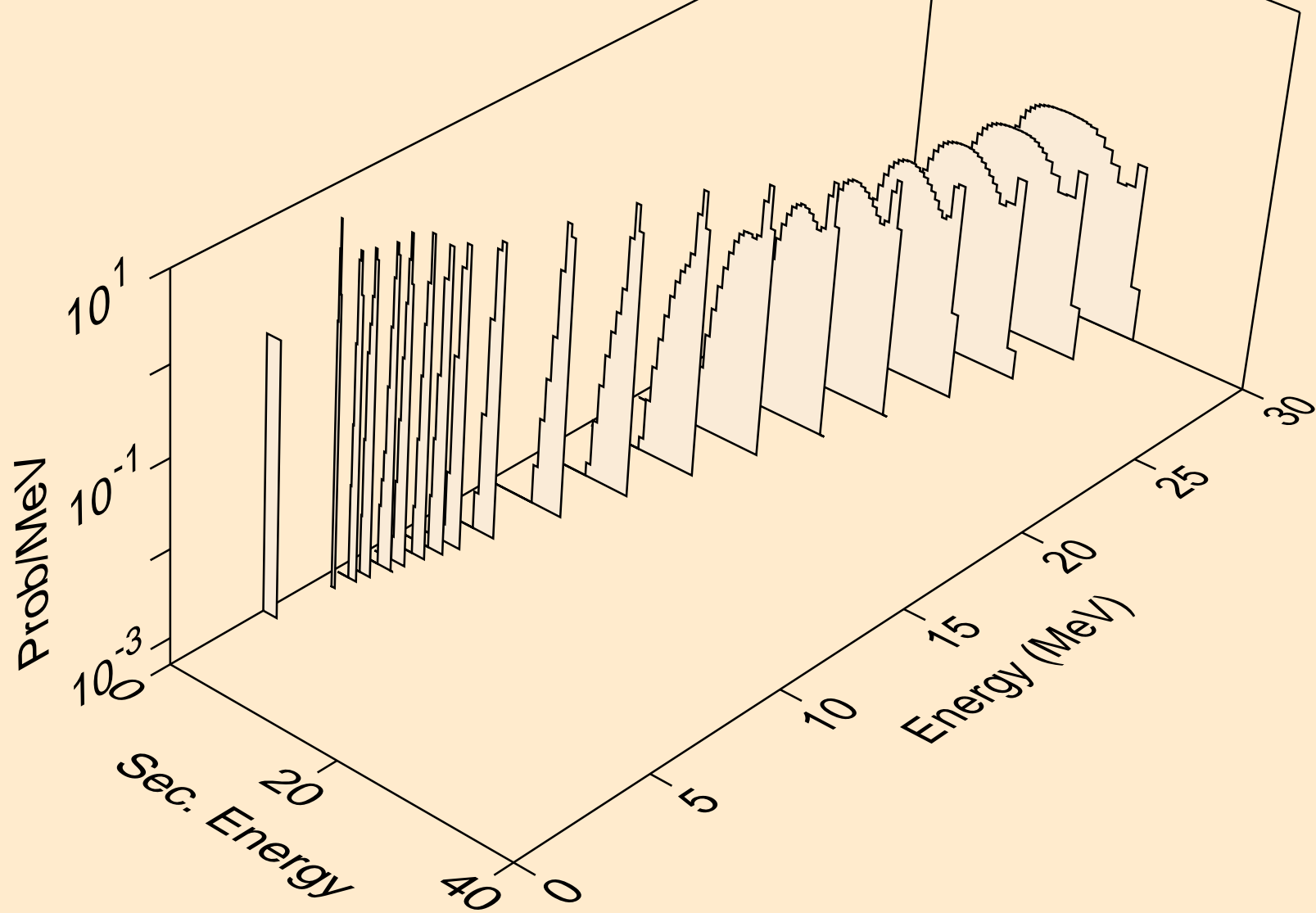


ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,x)

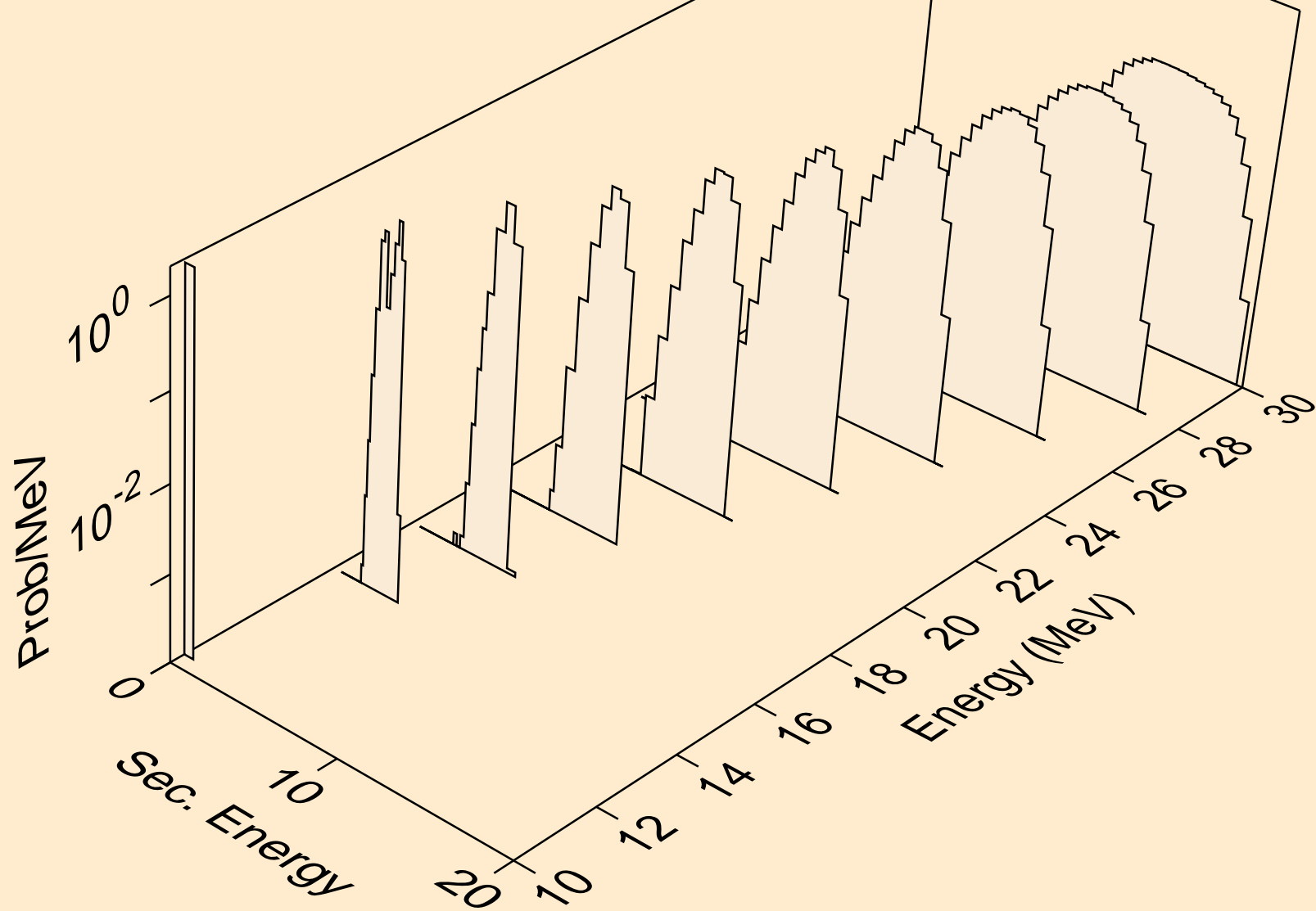




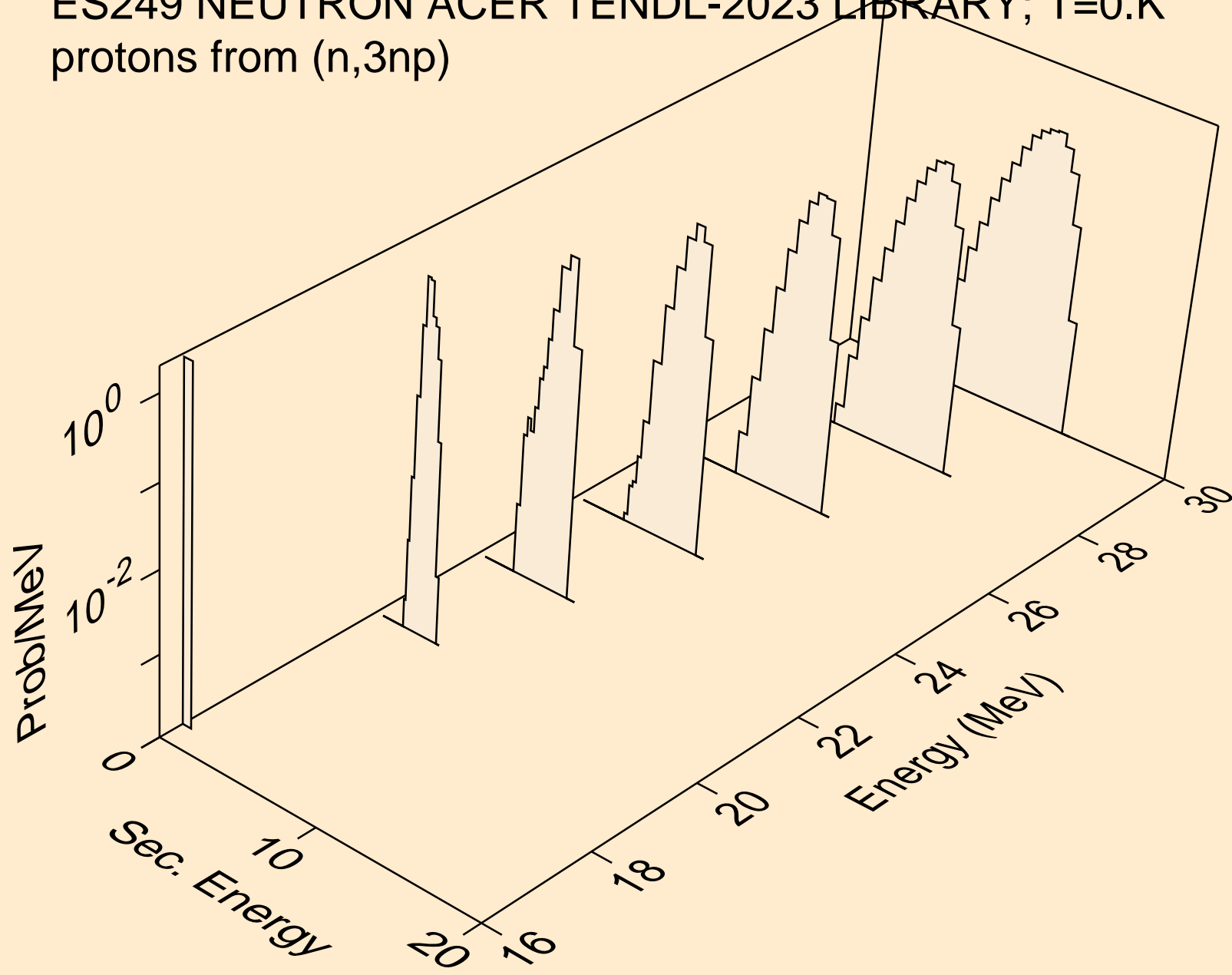
ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n\*)p



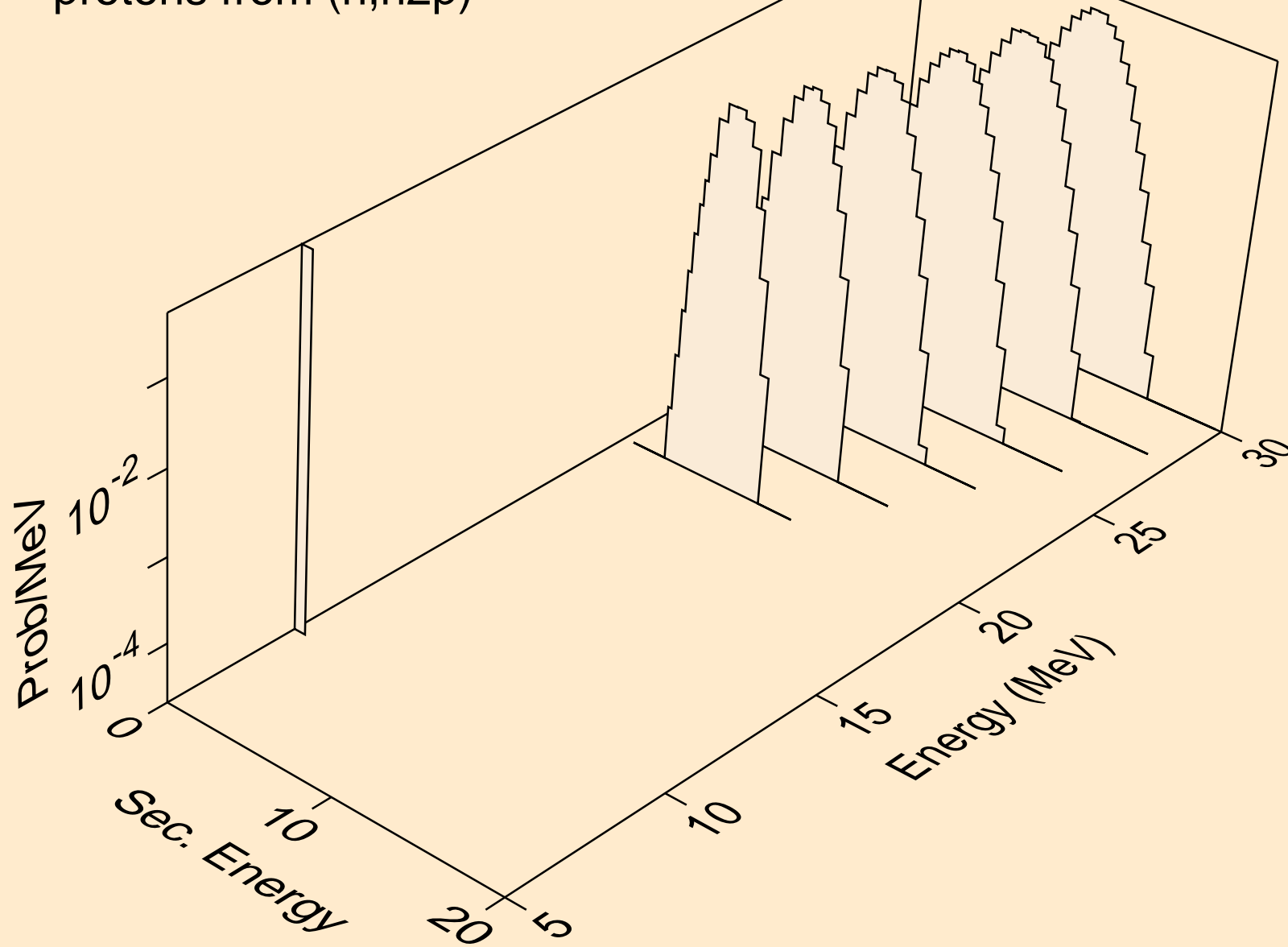
ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,2np)



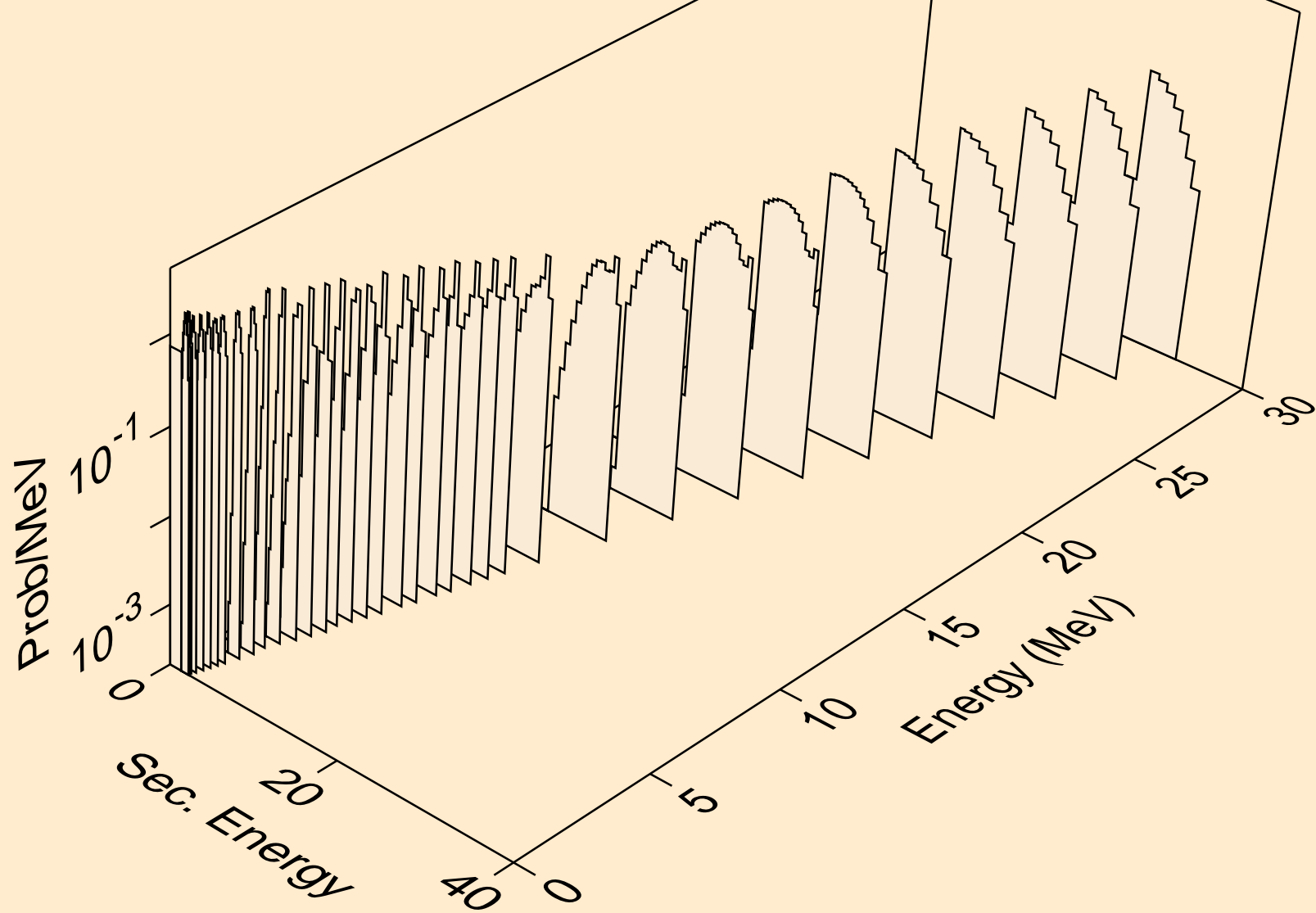
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protons from (n,3np)



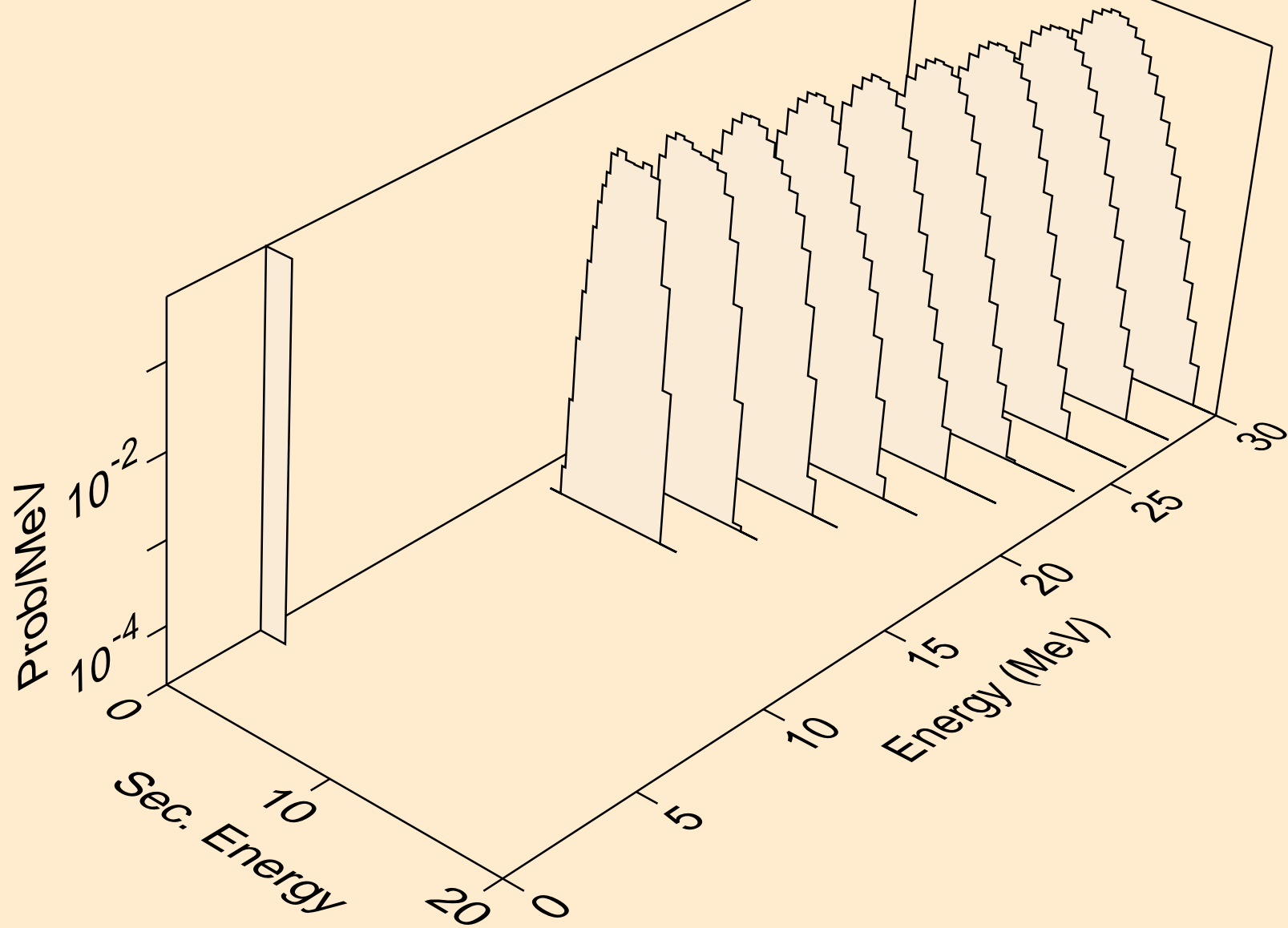
ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n2p)



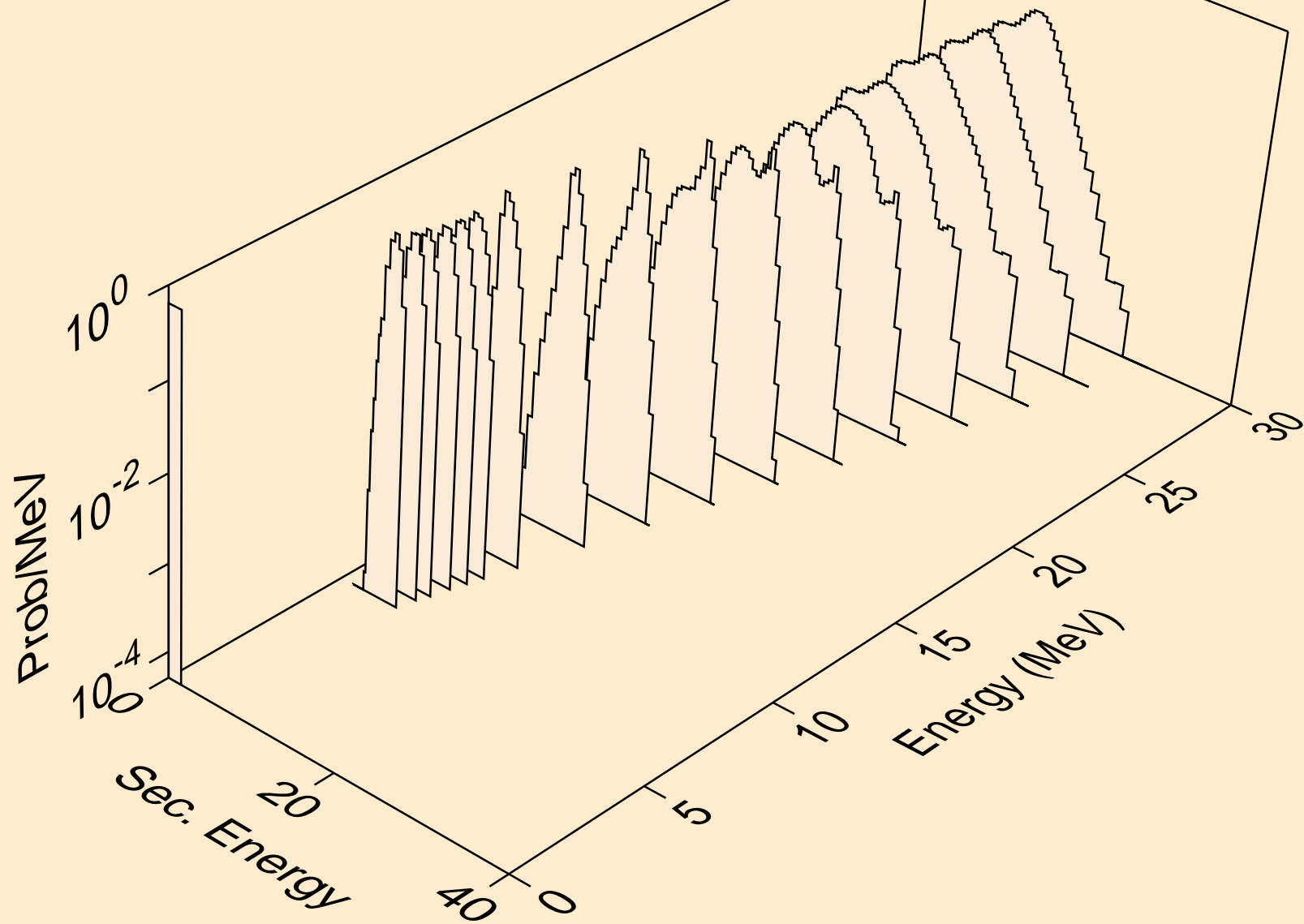
ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,p)



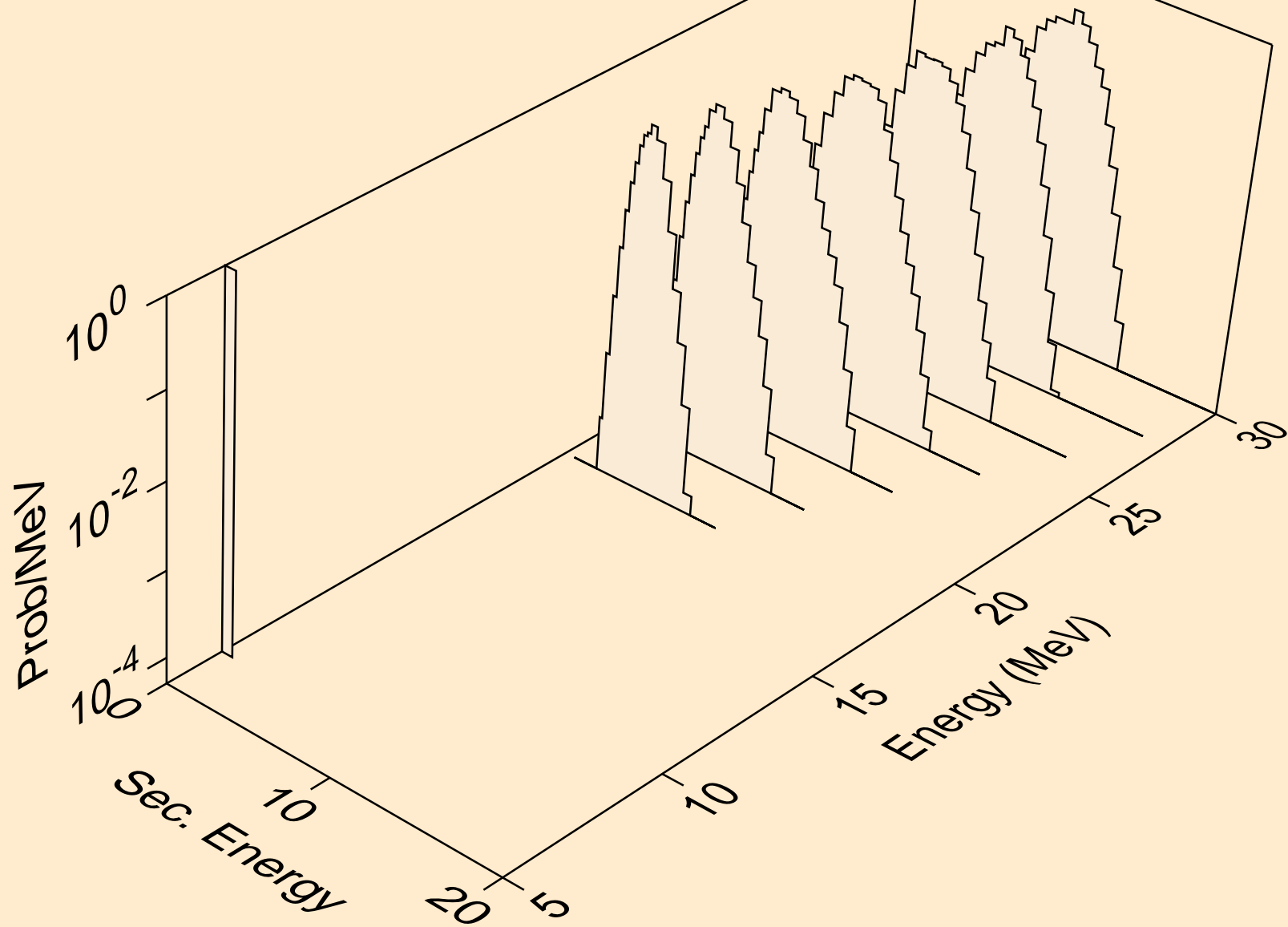
ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,2p)



ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,p)

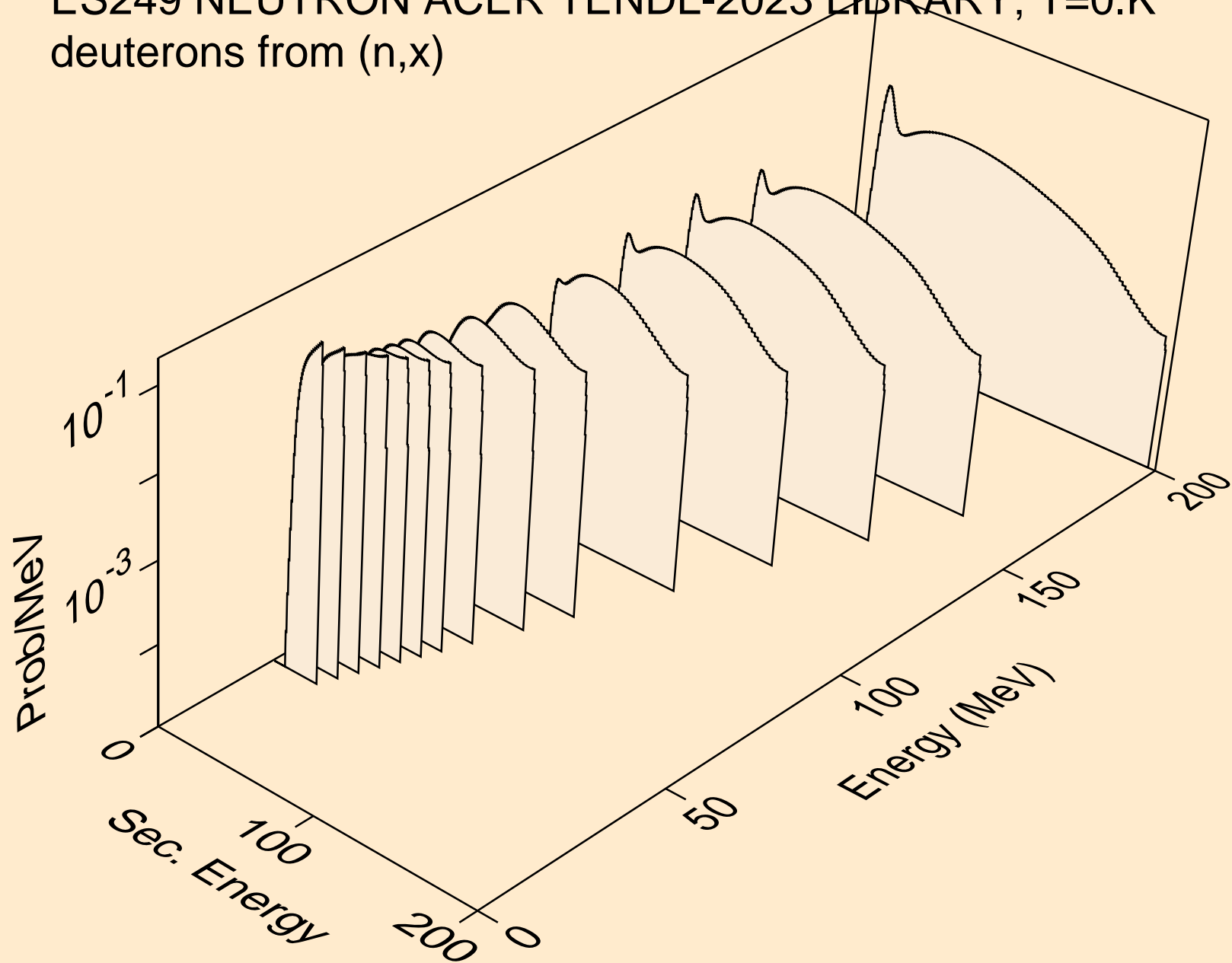


ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,pd)

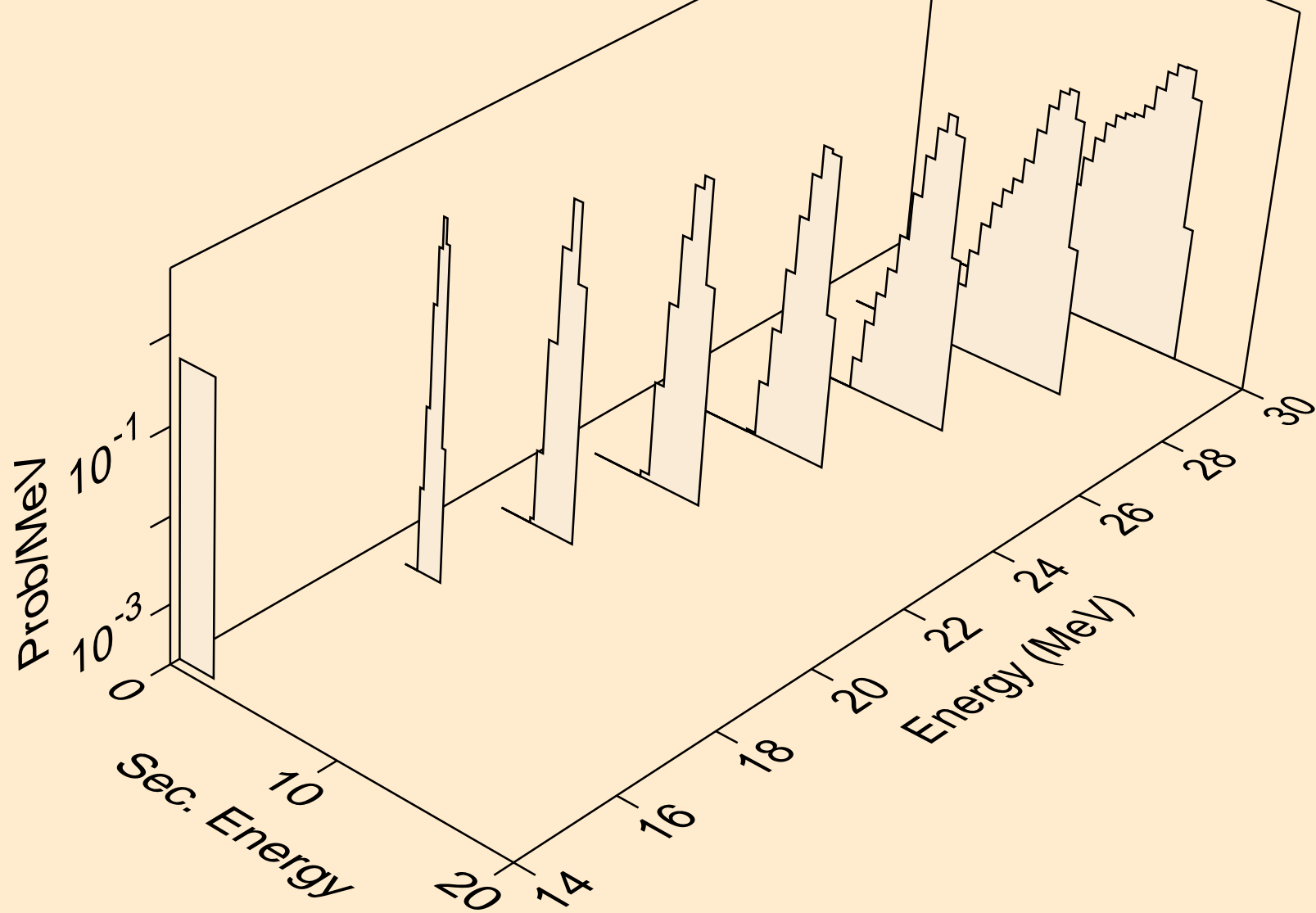




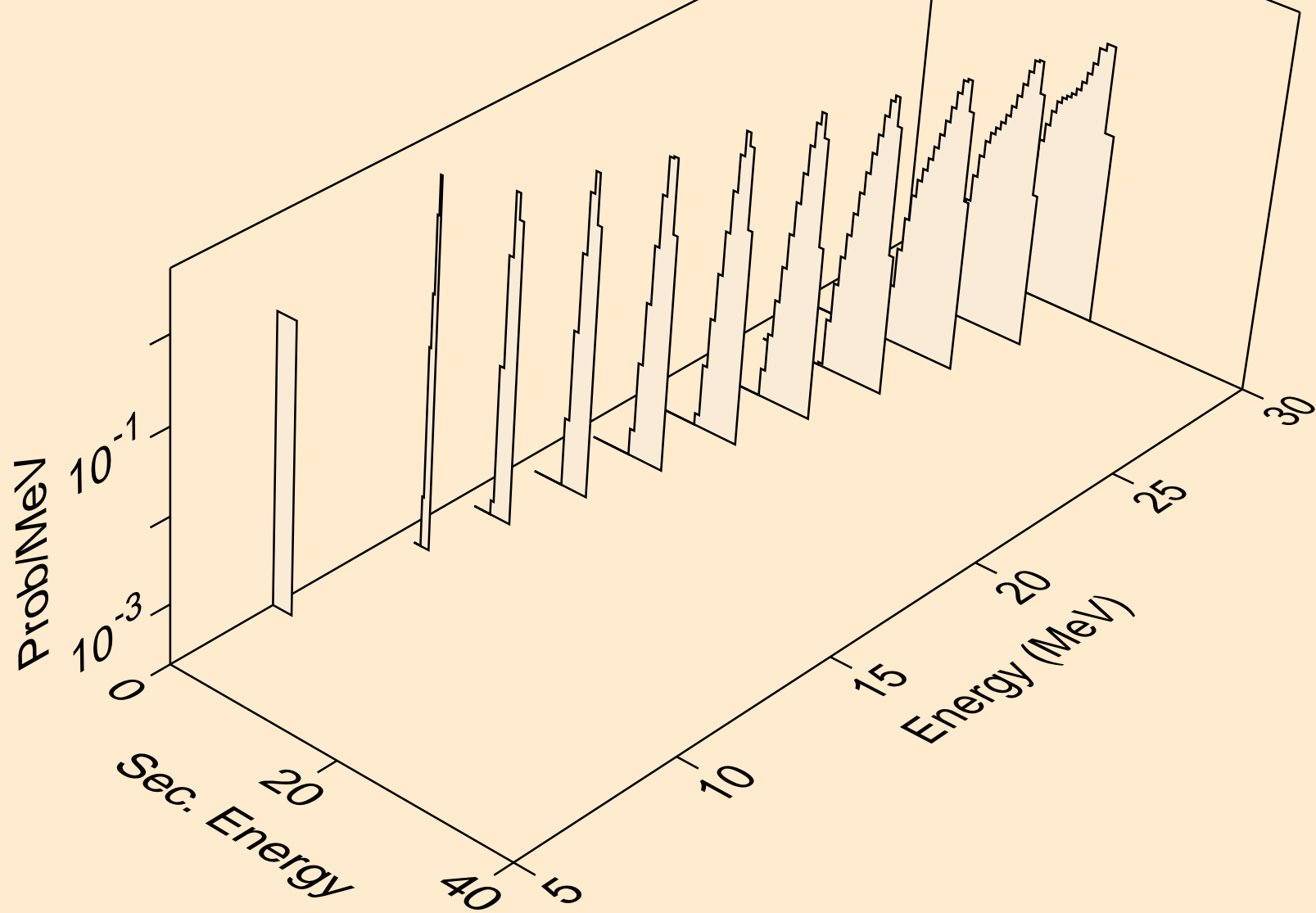
ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,x)



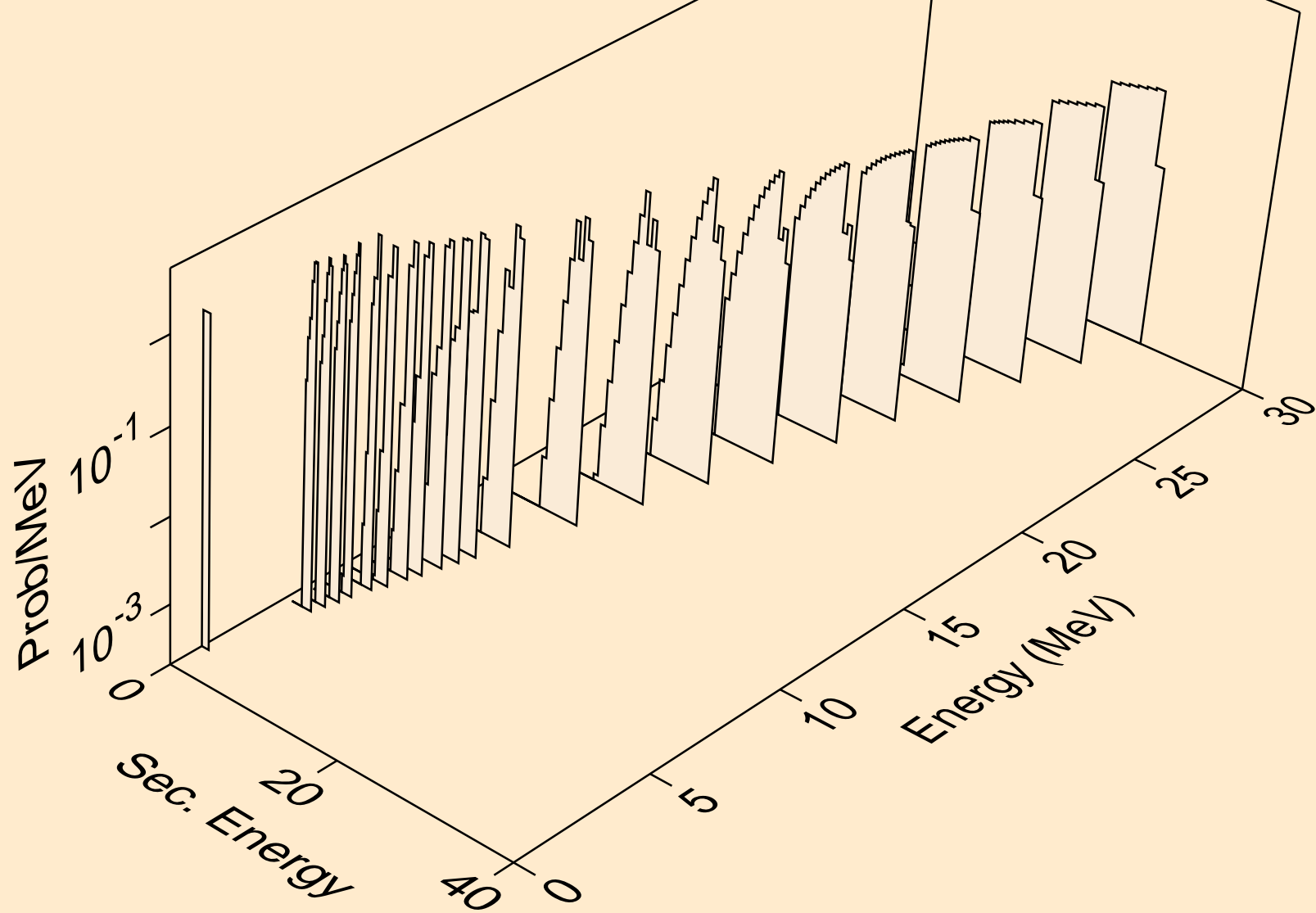
ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,2nd)



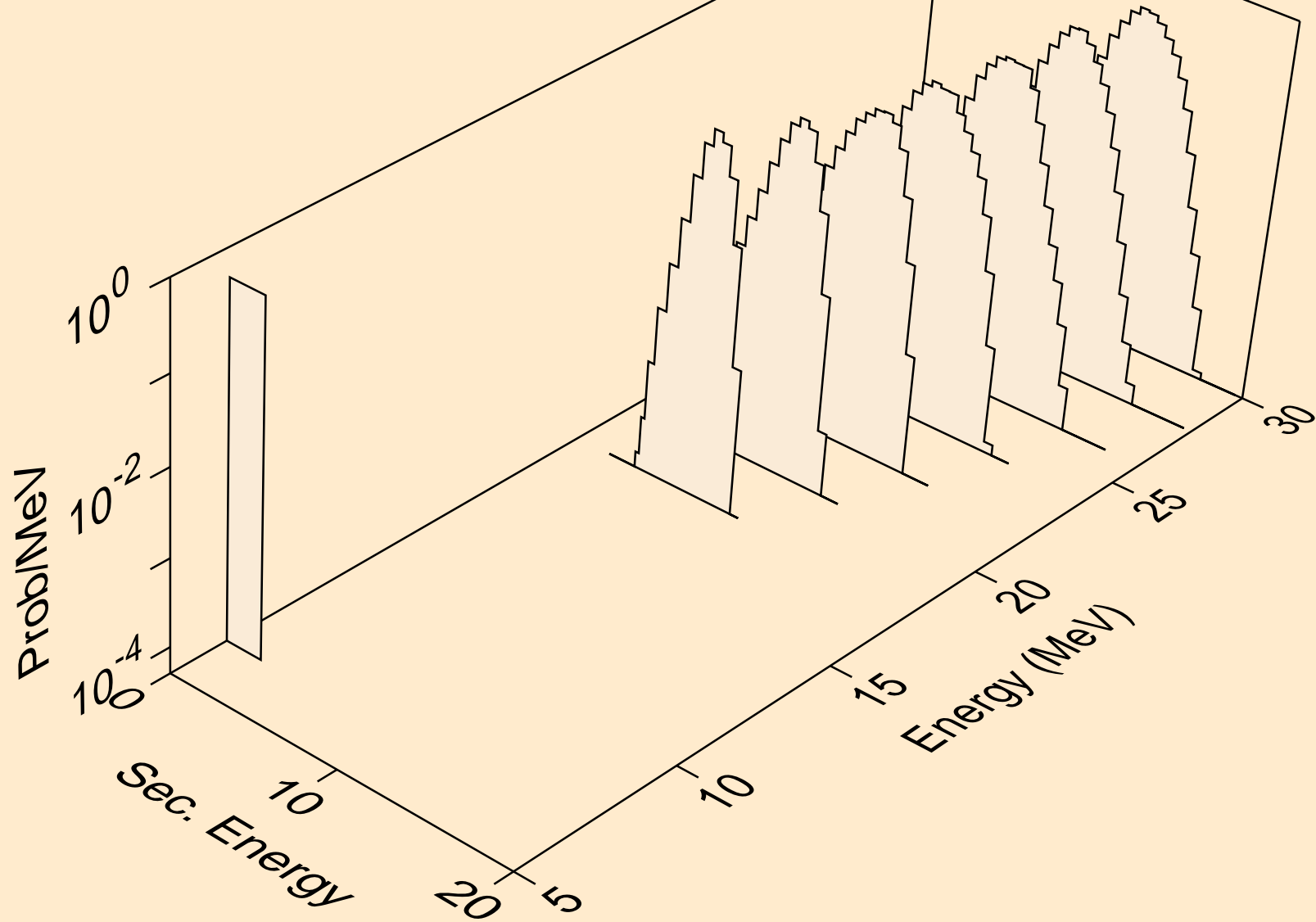
ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,n\*)d



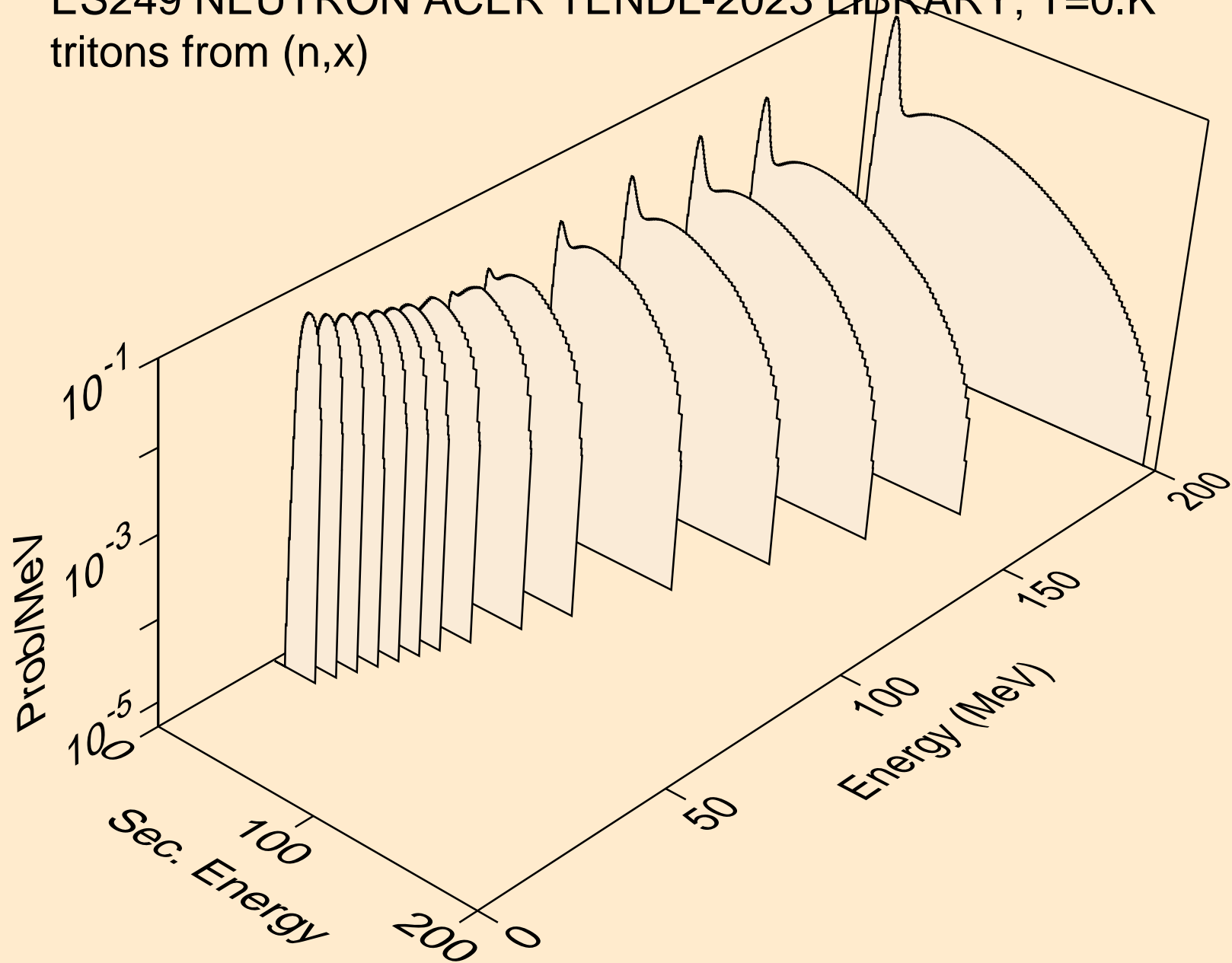
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deuterons from (n,d)



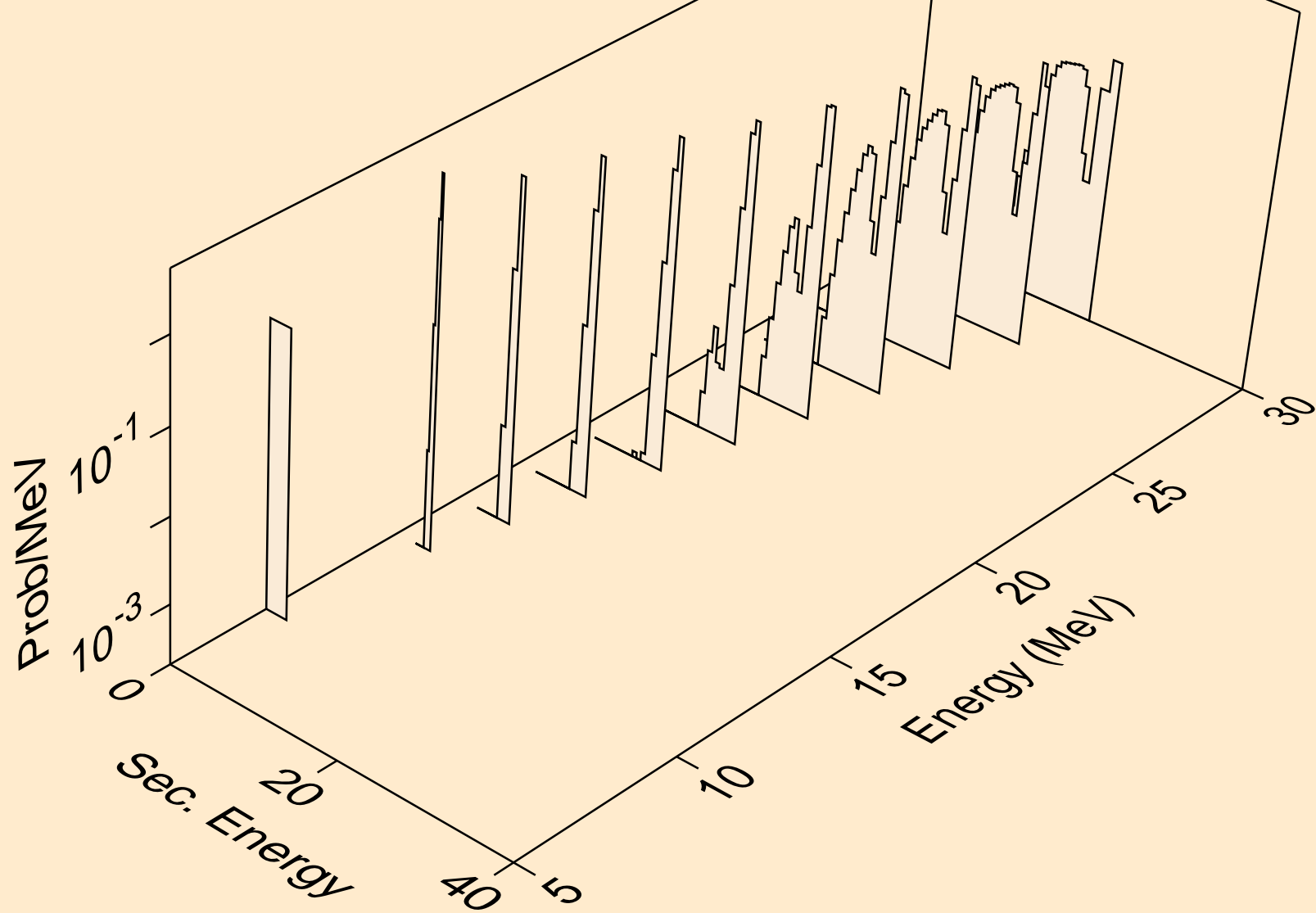
ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,pd)



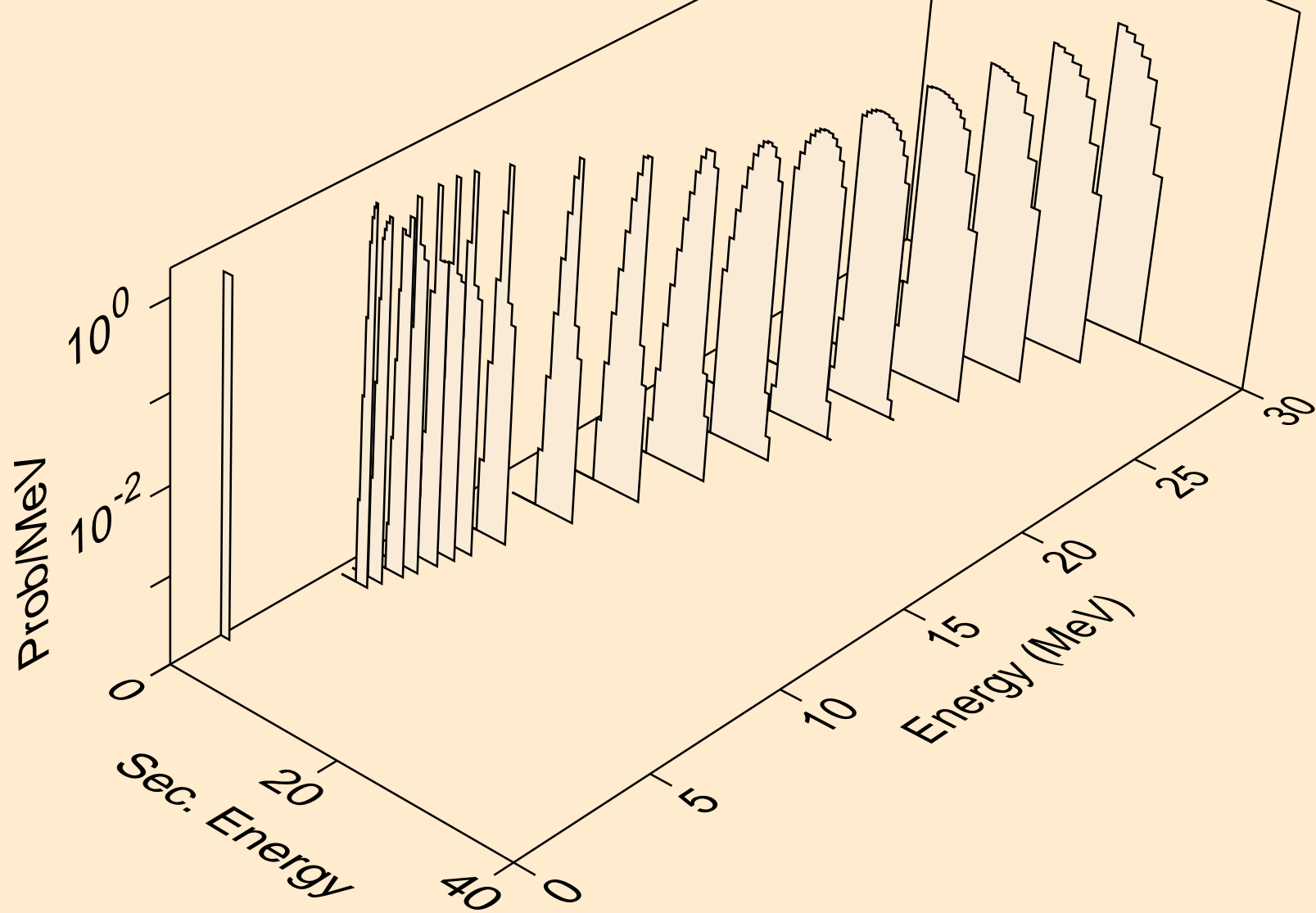
ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,x)



ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,n\*)t

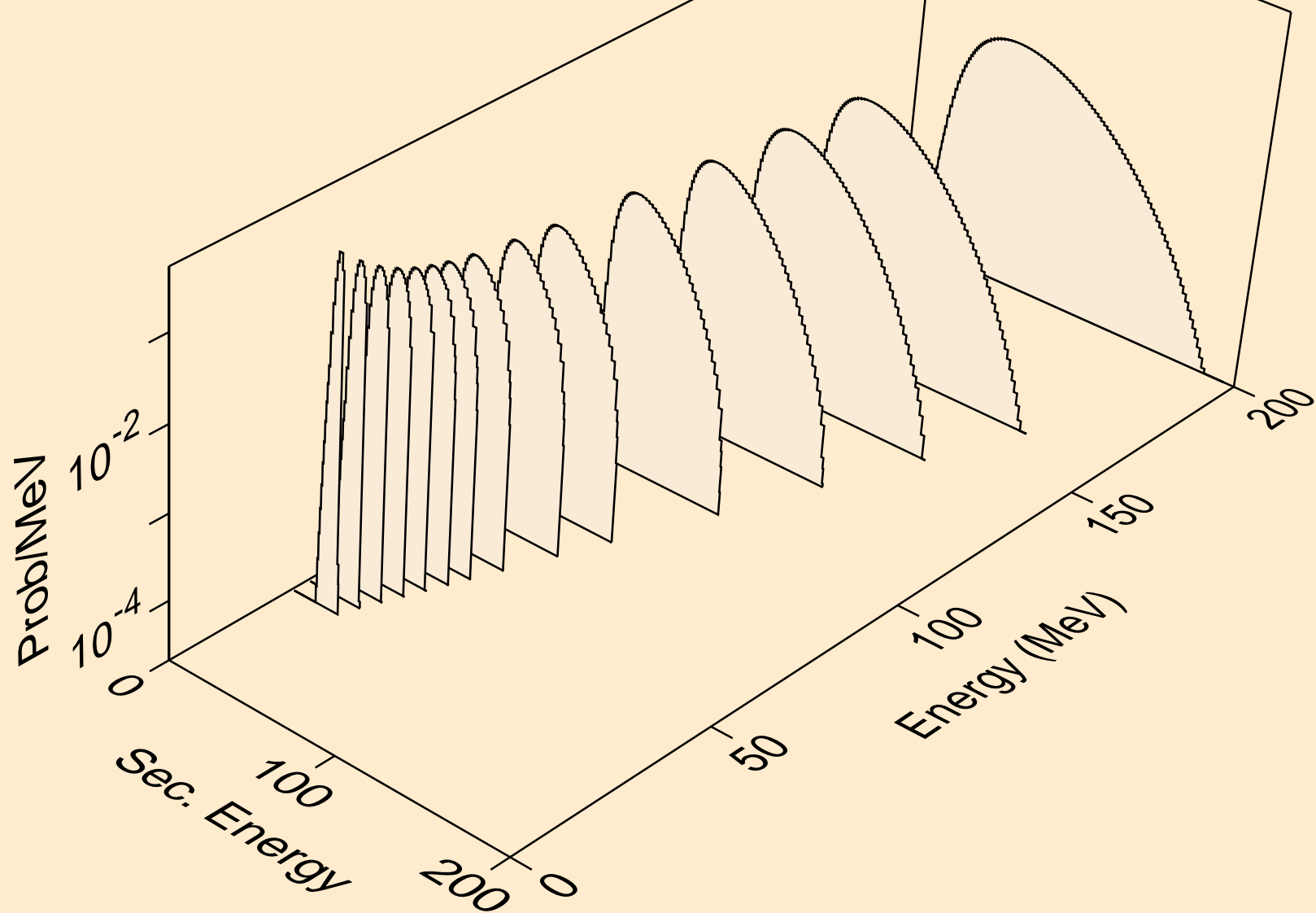


ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,t)

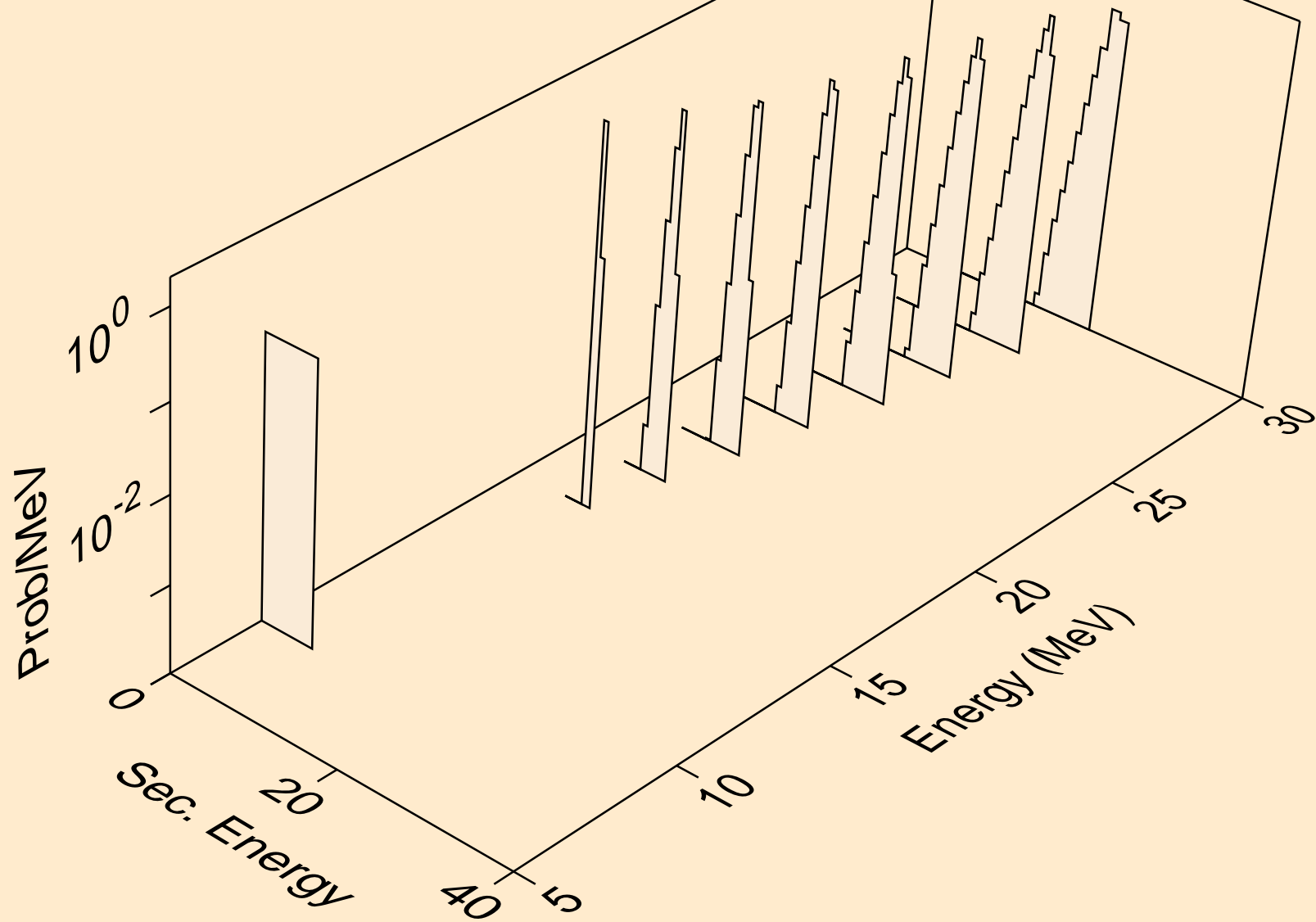




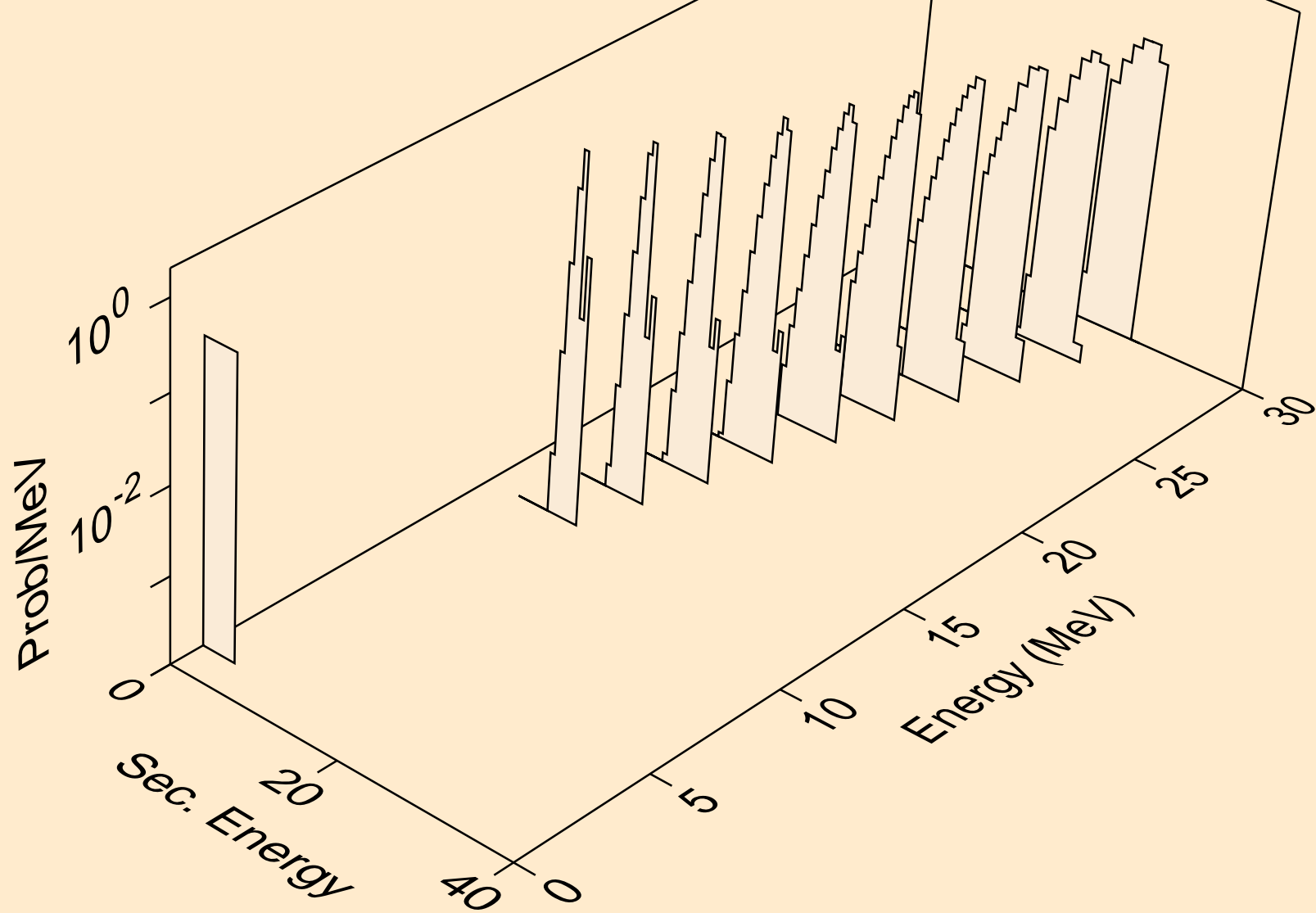
ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,x)



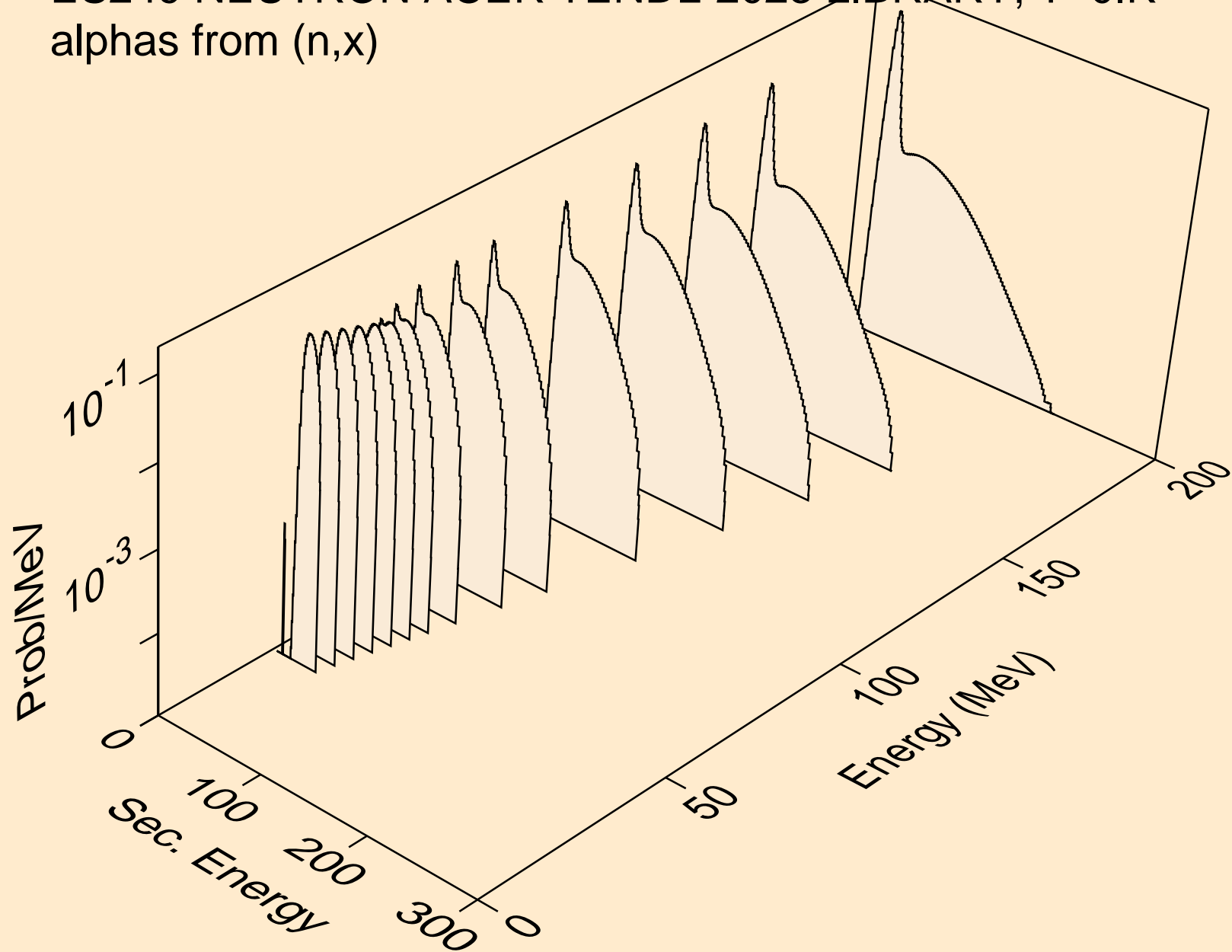
ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,n\*)he3



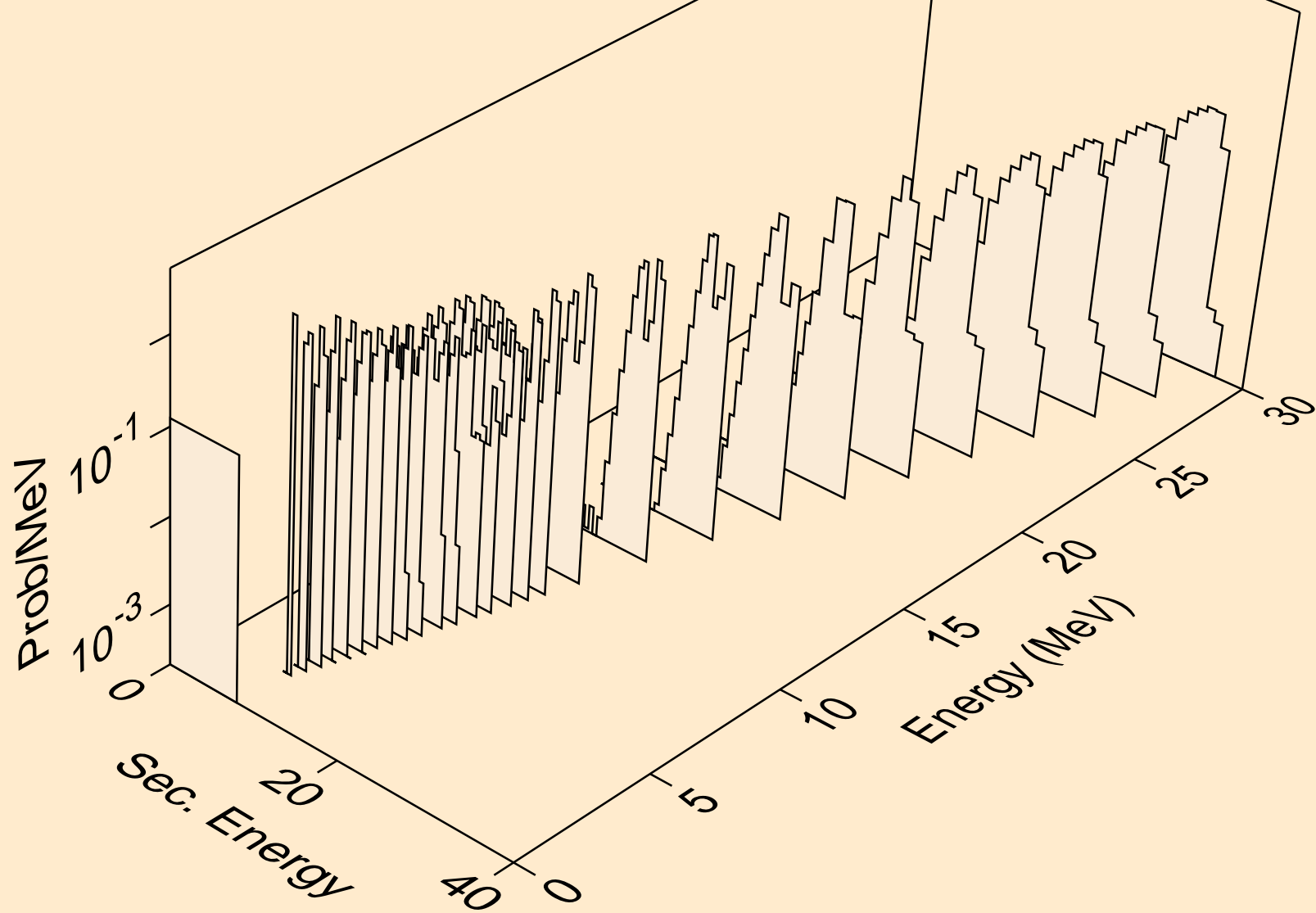
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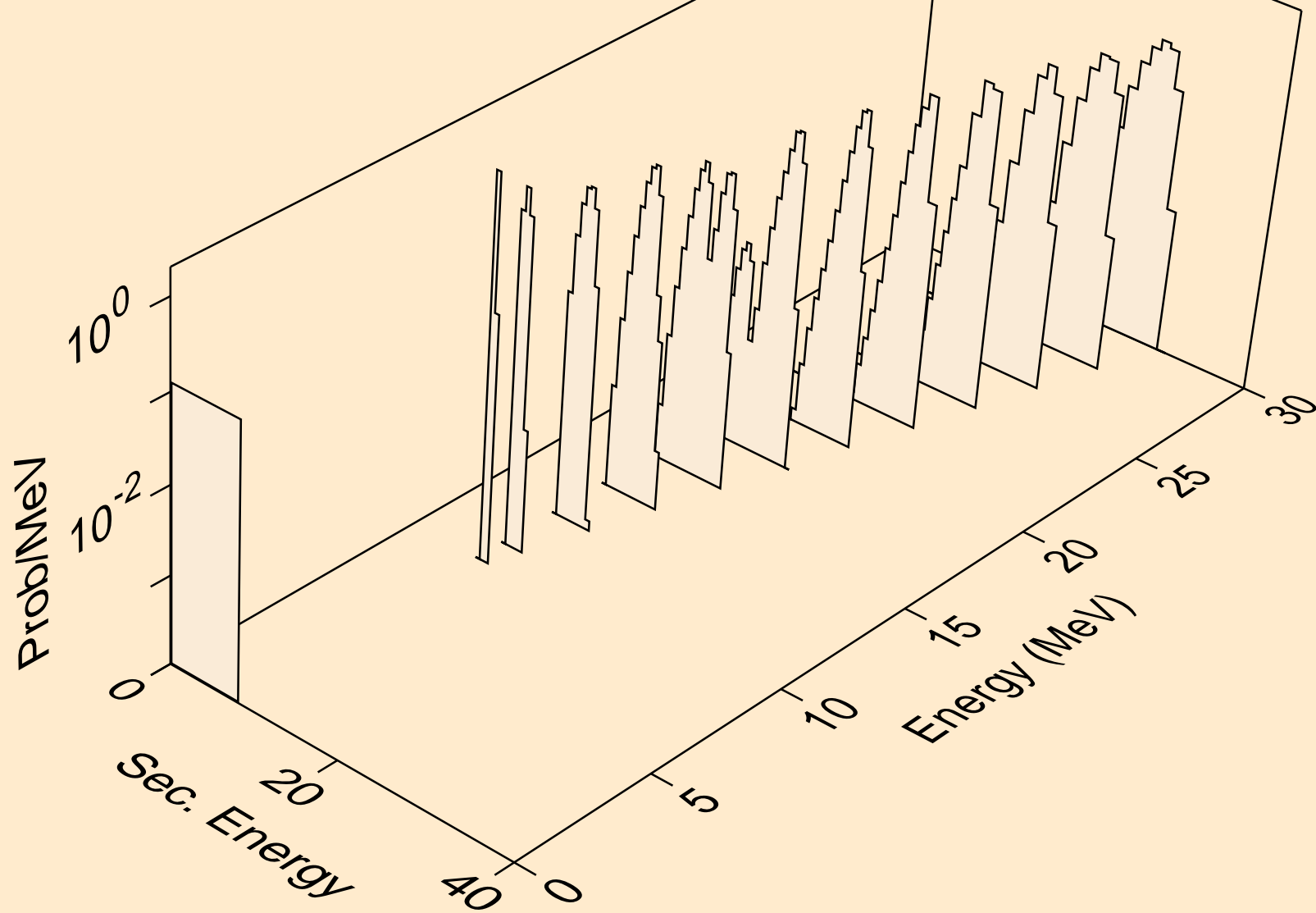
ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,x)



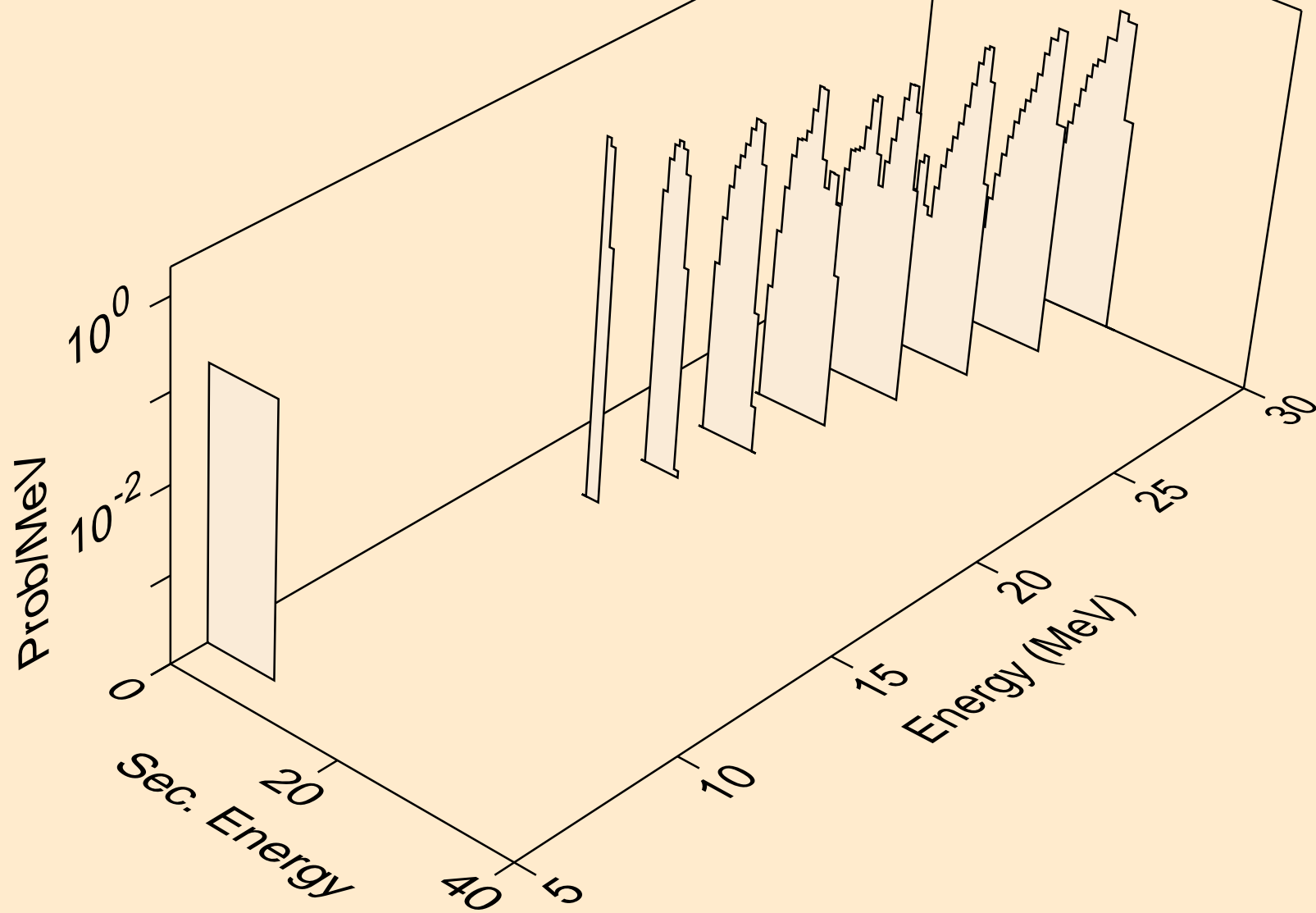
ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)a



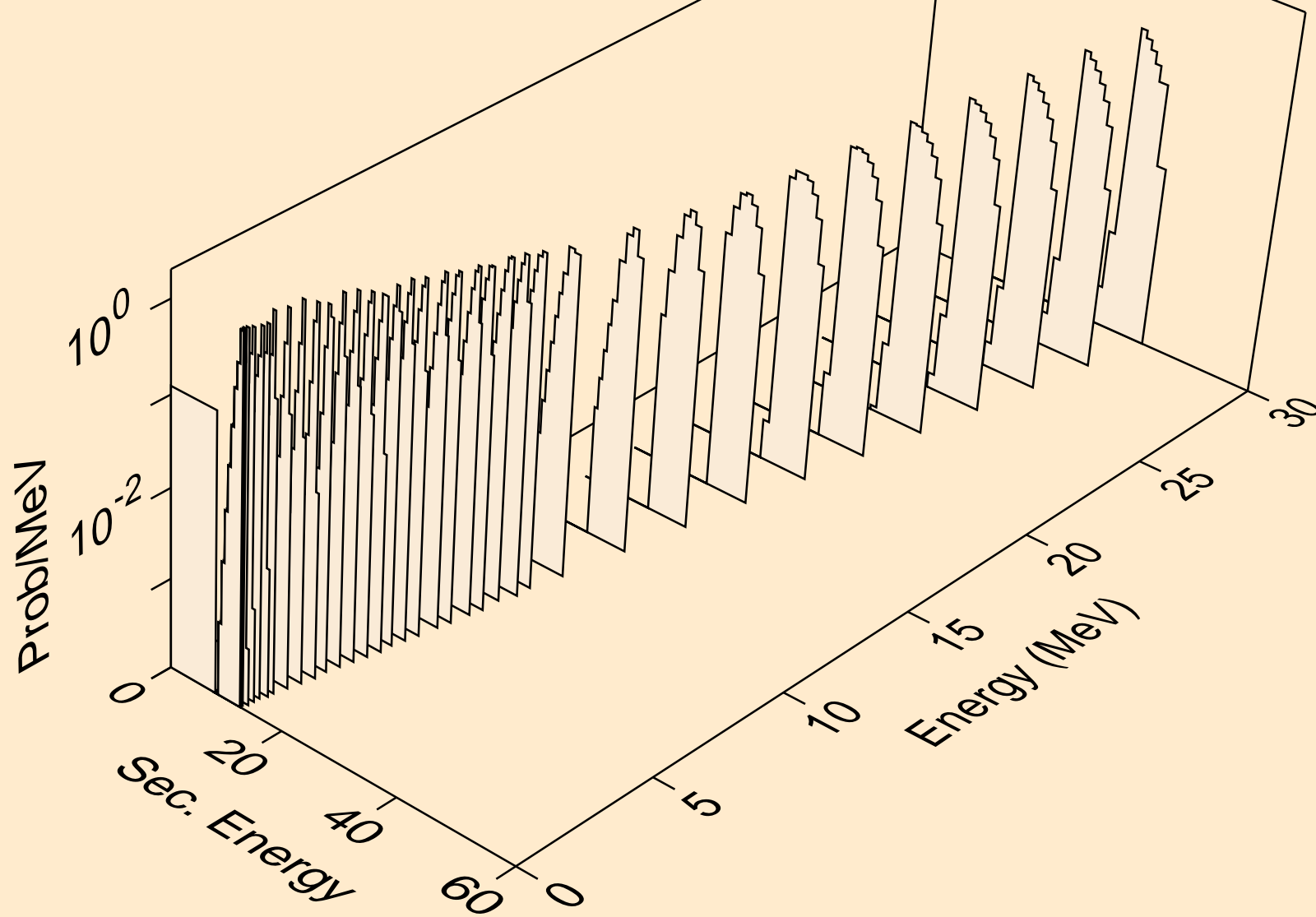
ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2n)a



ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,3n)a

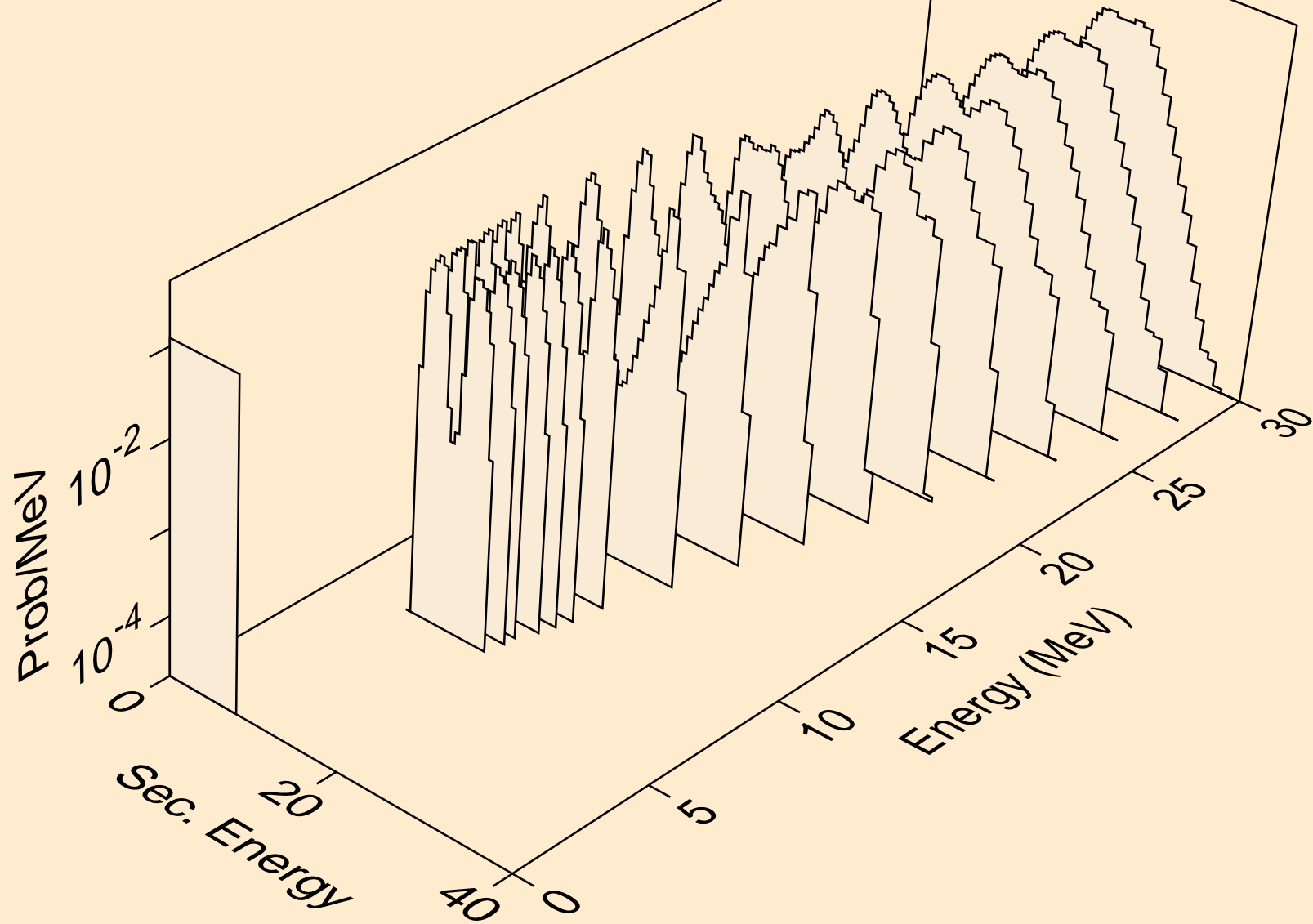


ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,a)





ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2a)



ES249 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,pa)

