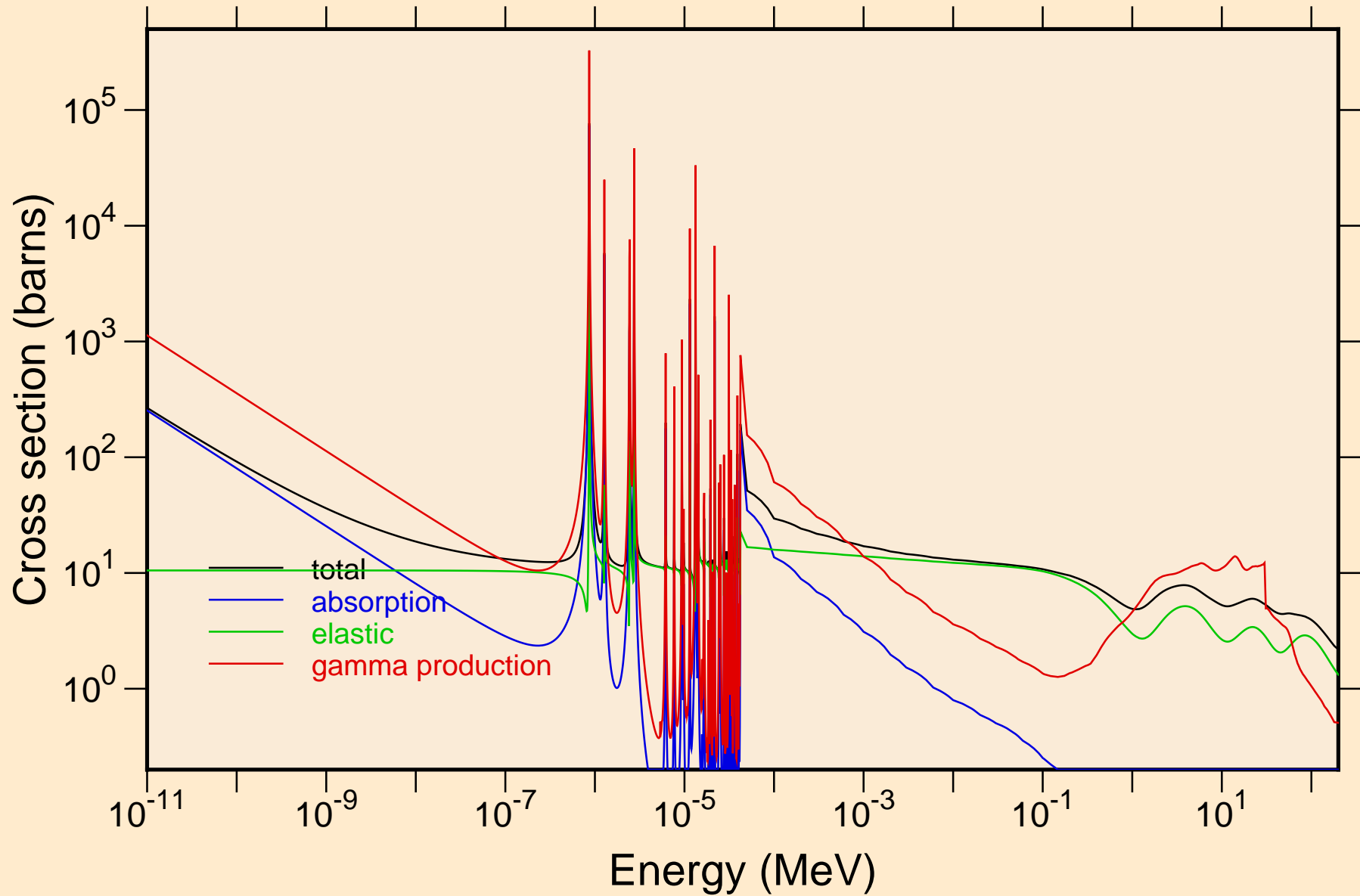
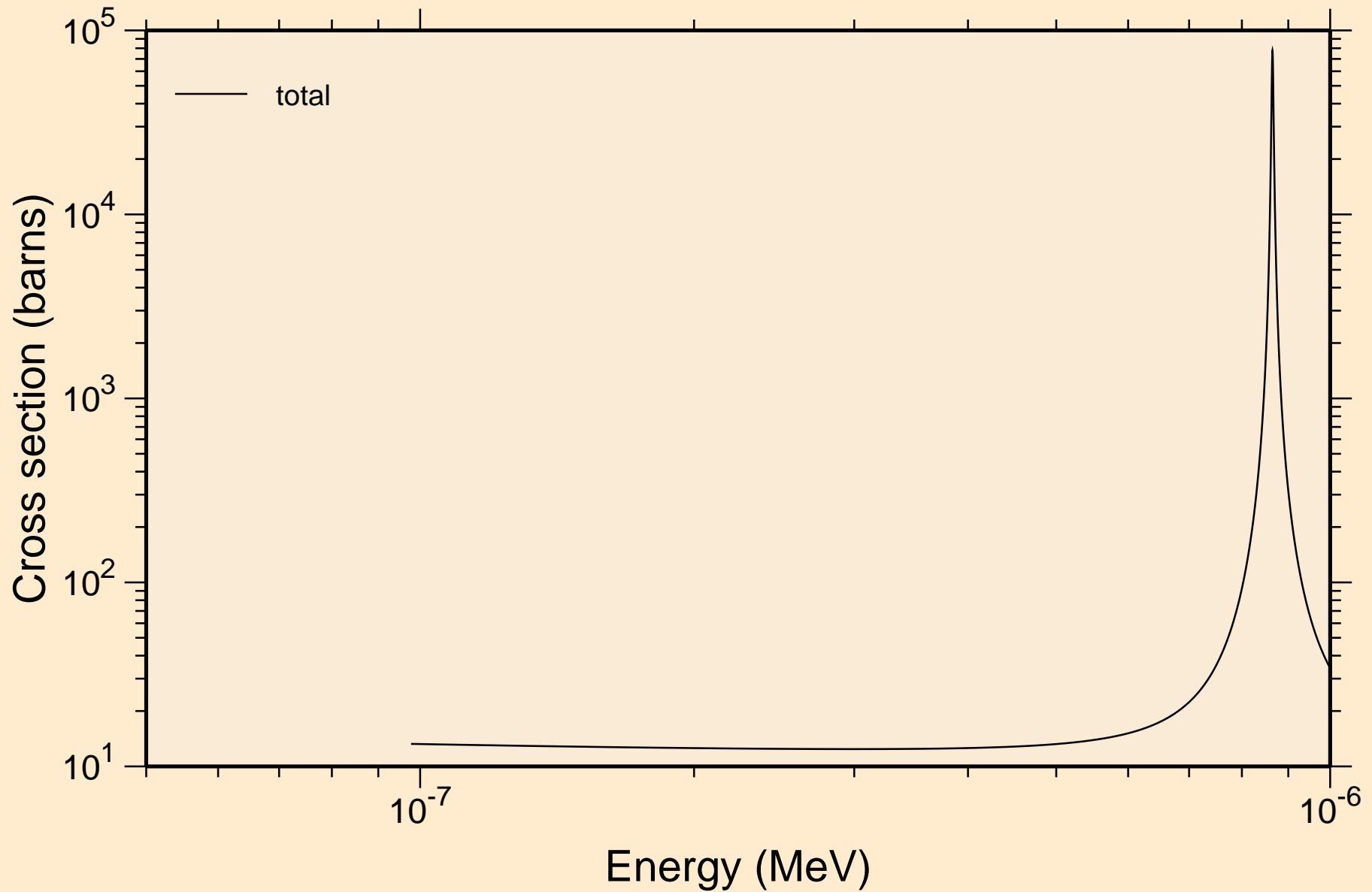


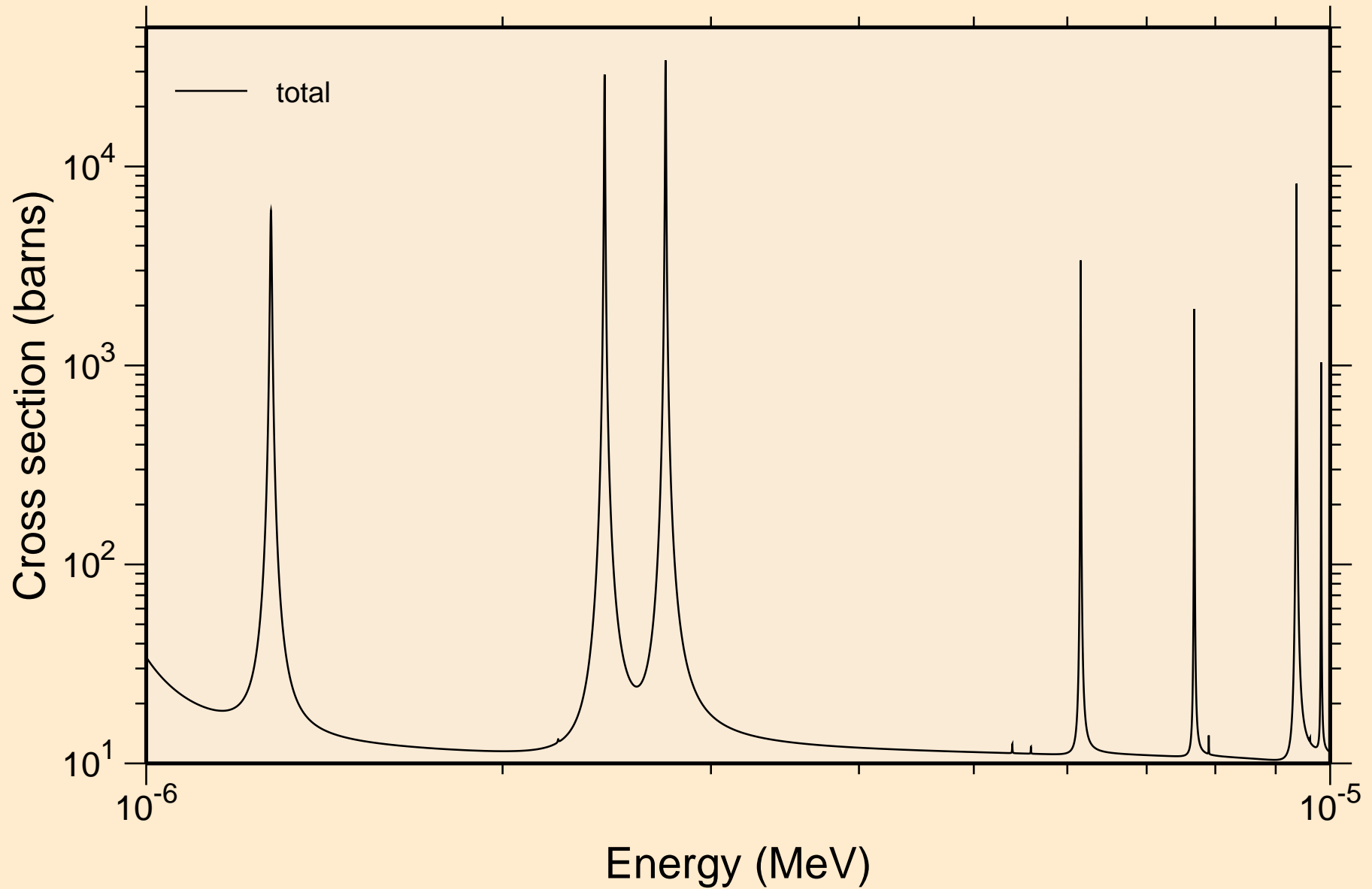
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Principal cross sections



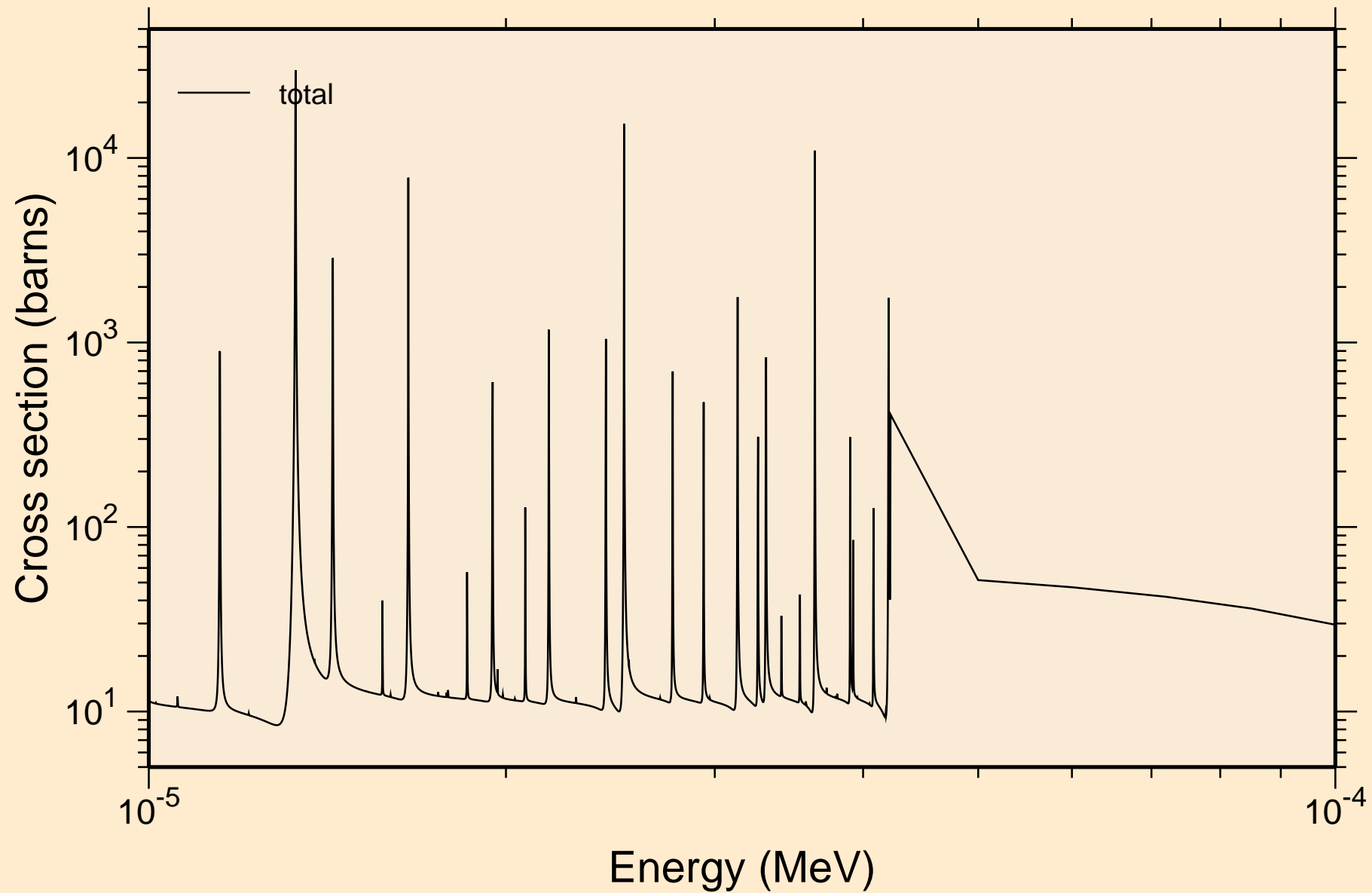
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



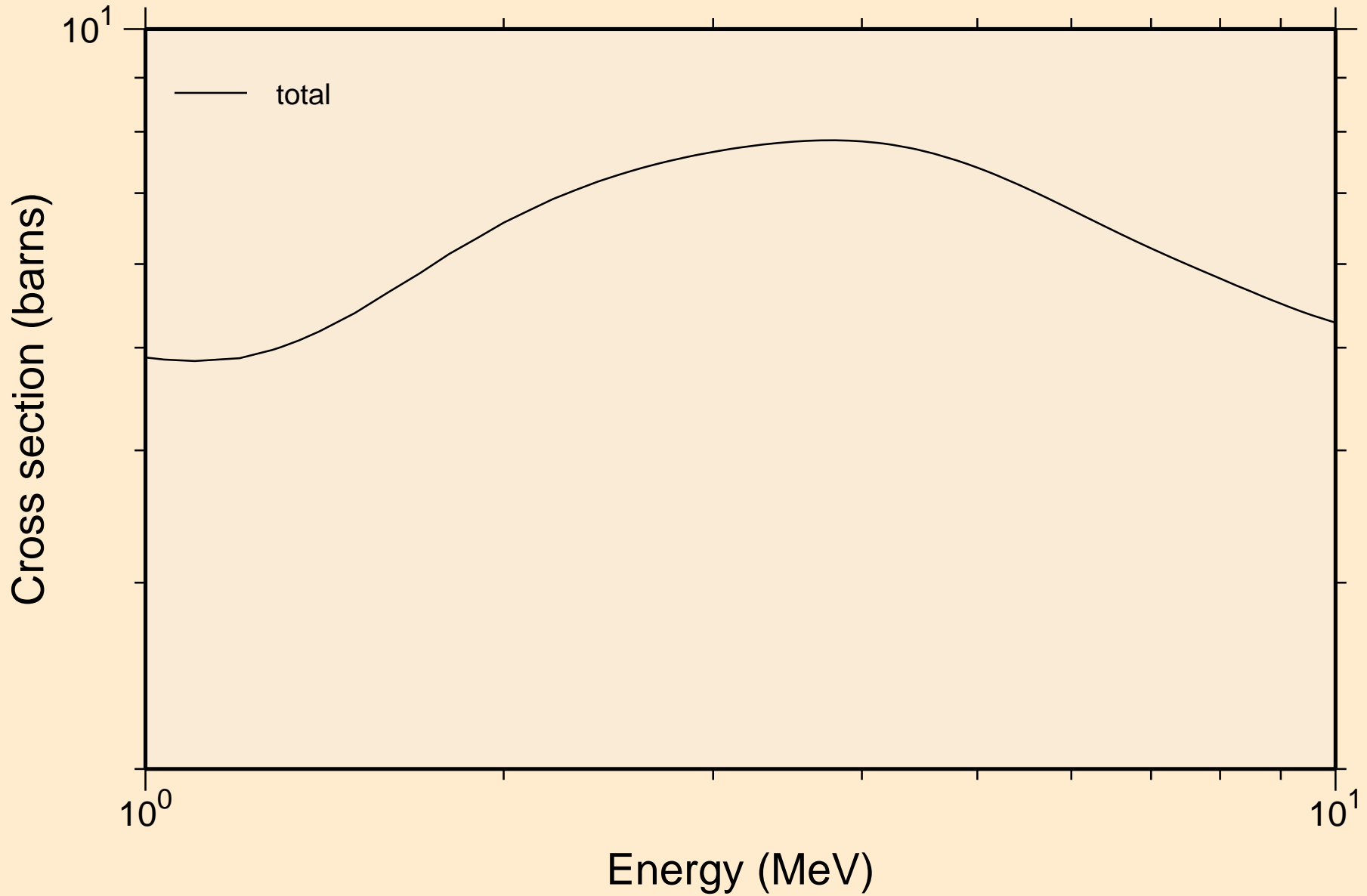
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



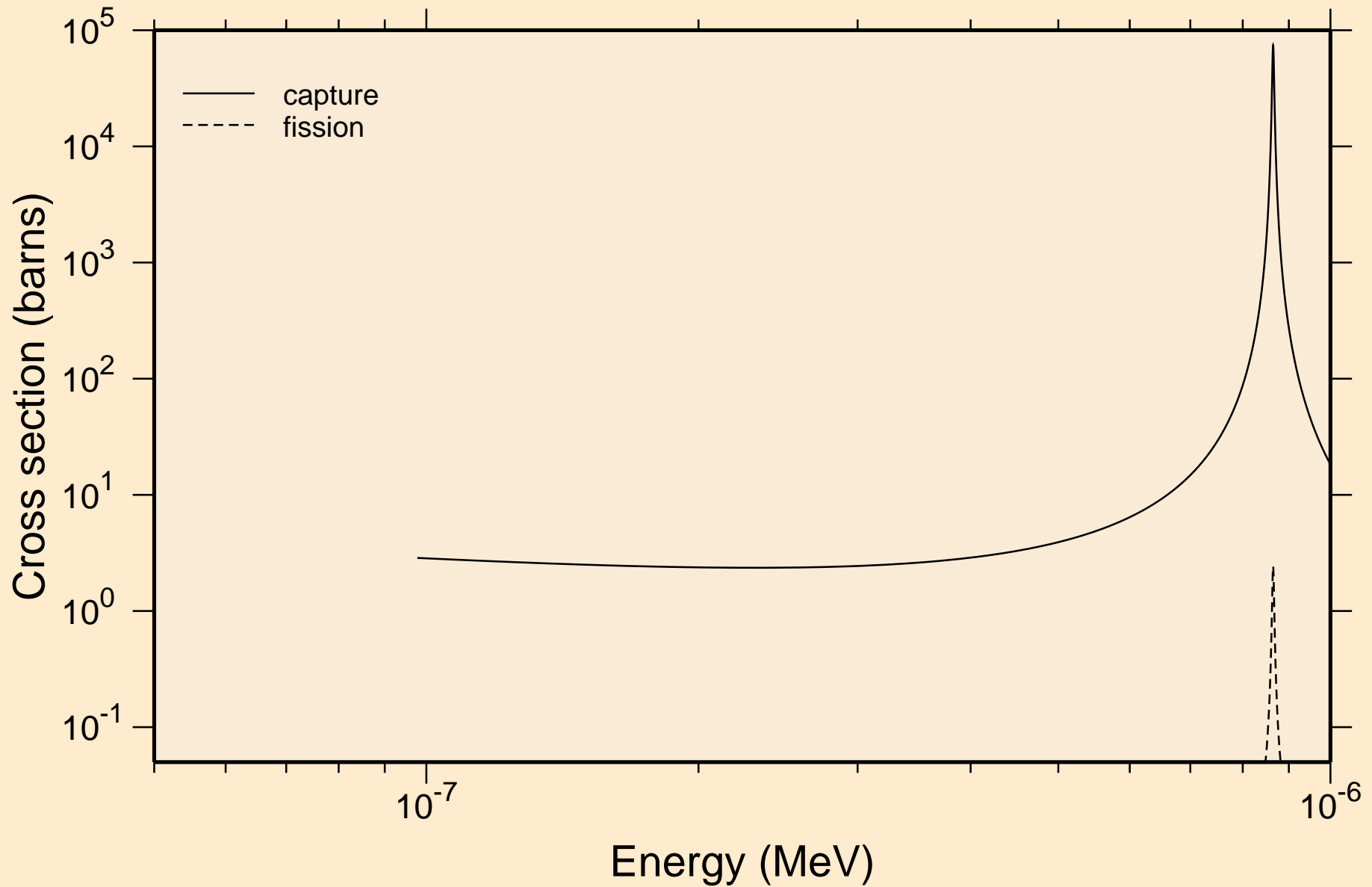
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



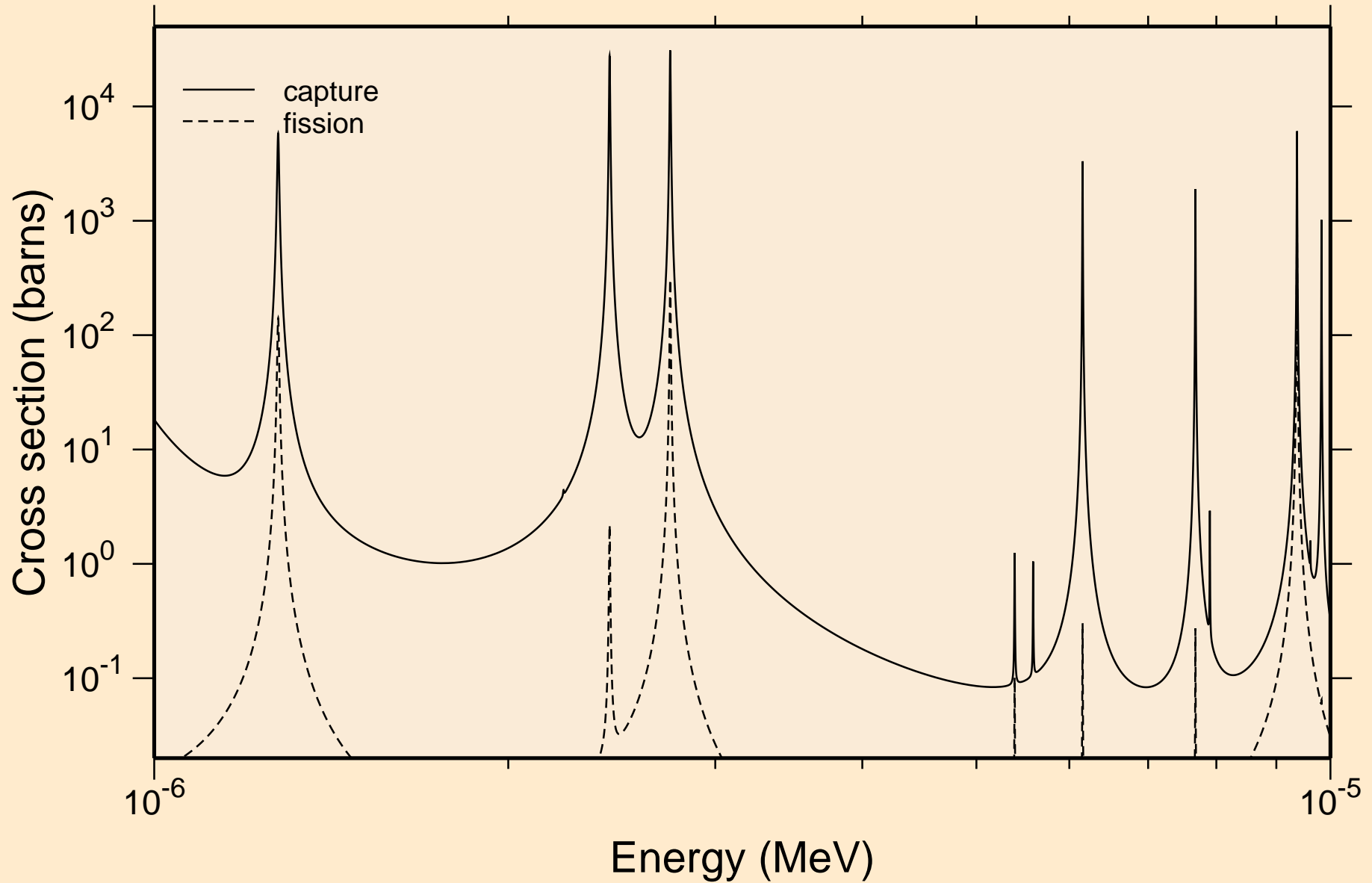
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



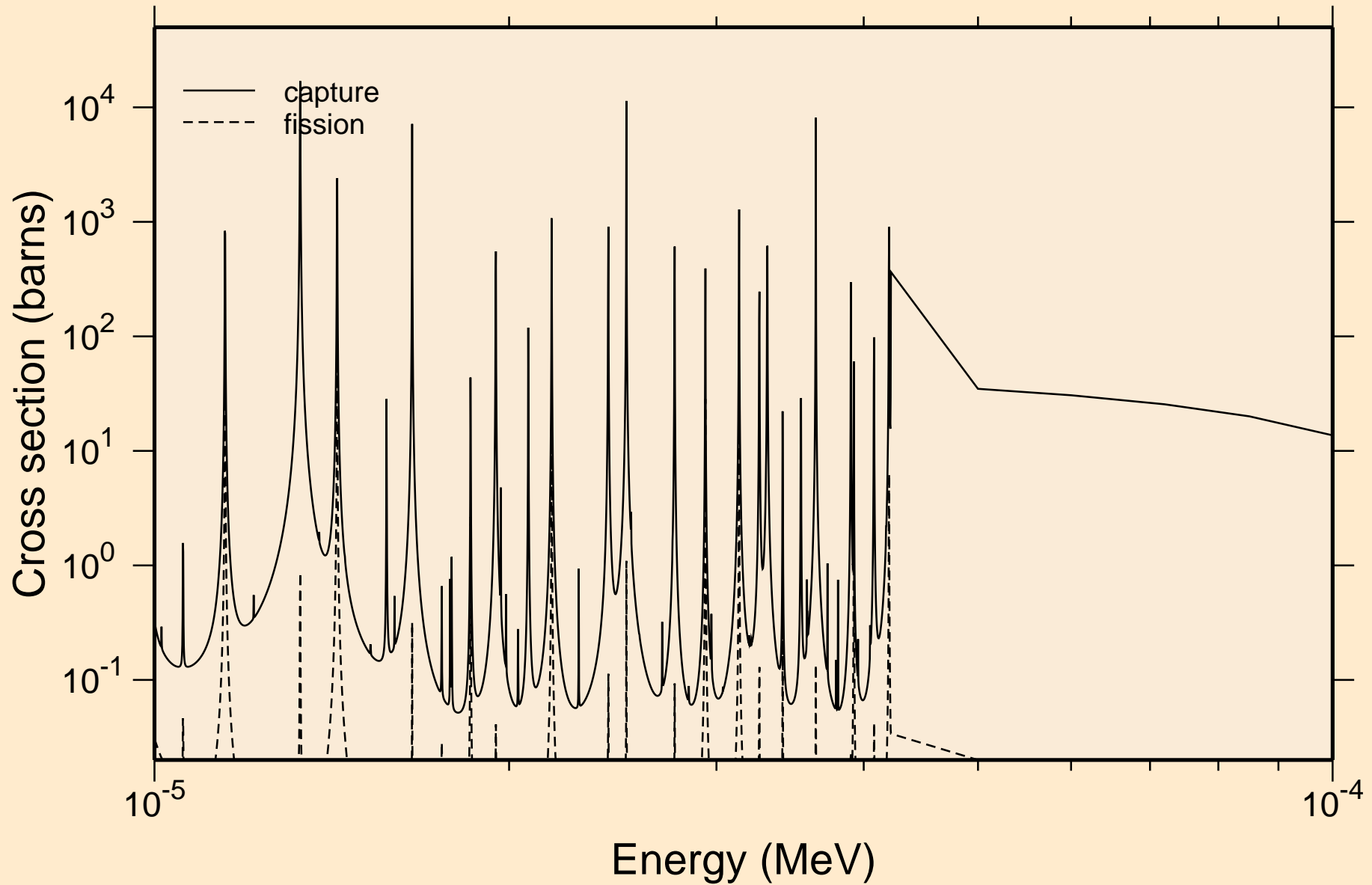
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



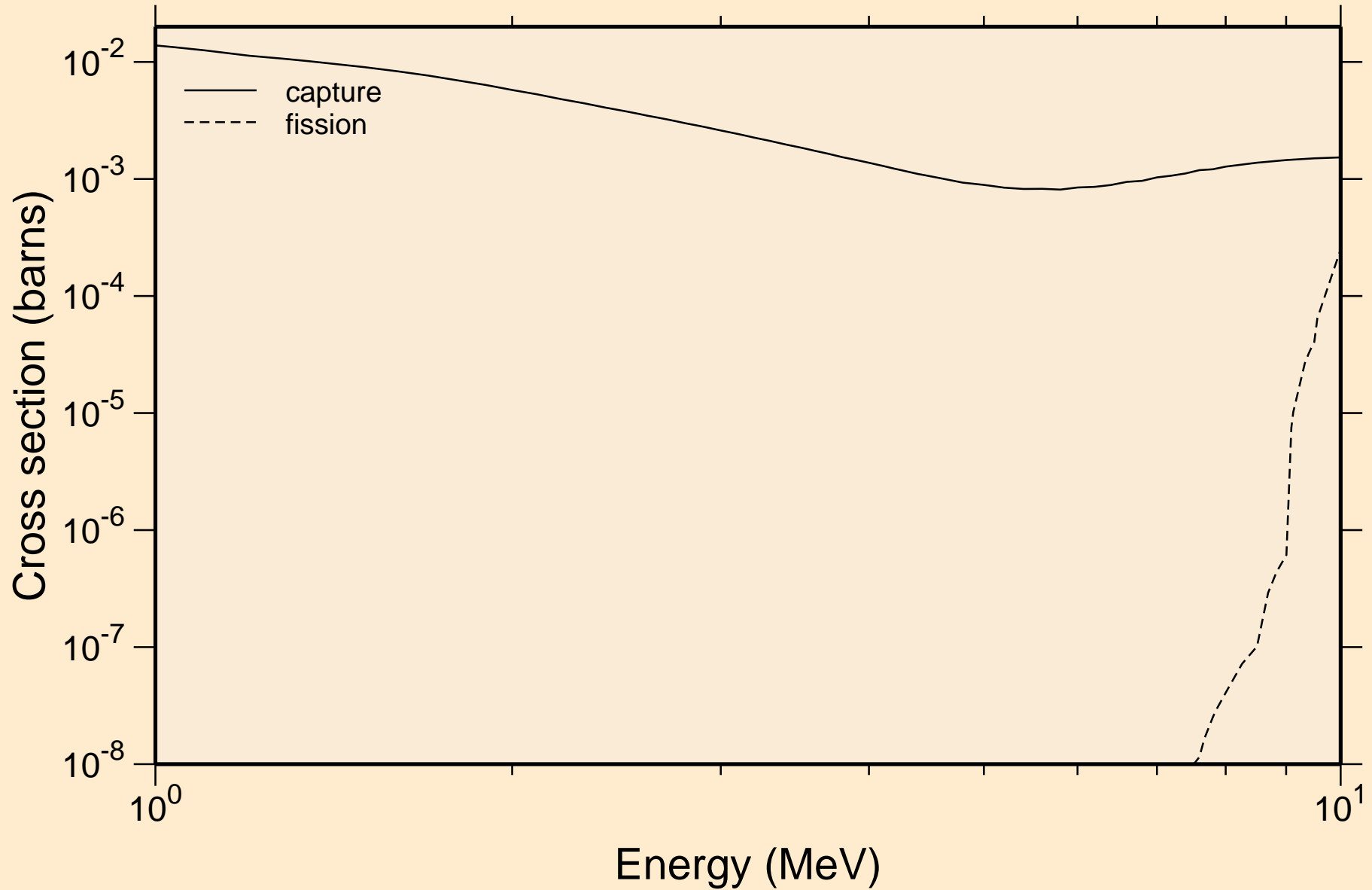
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



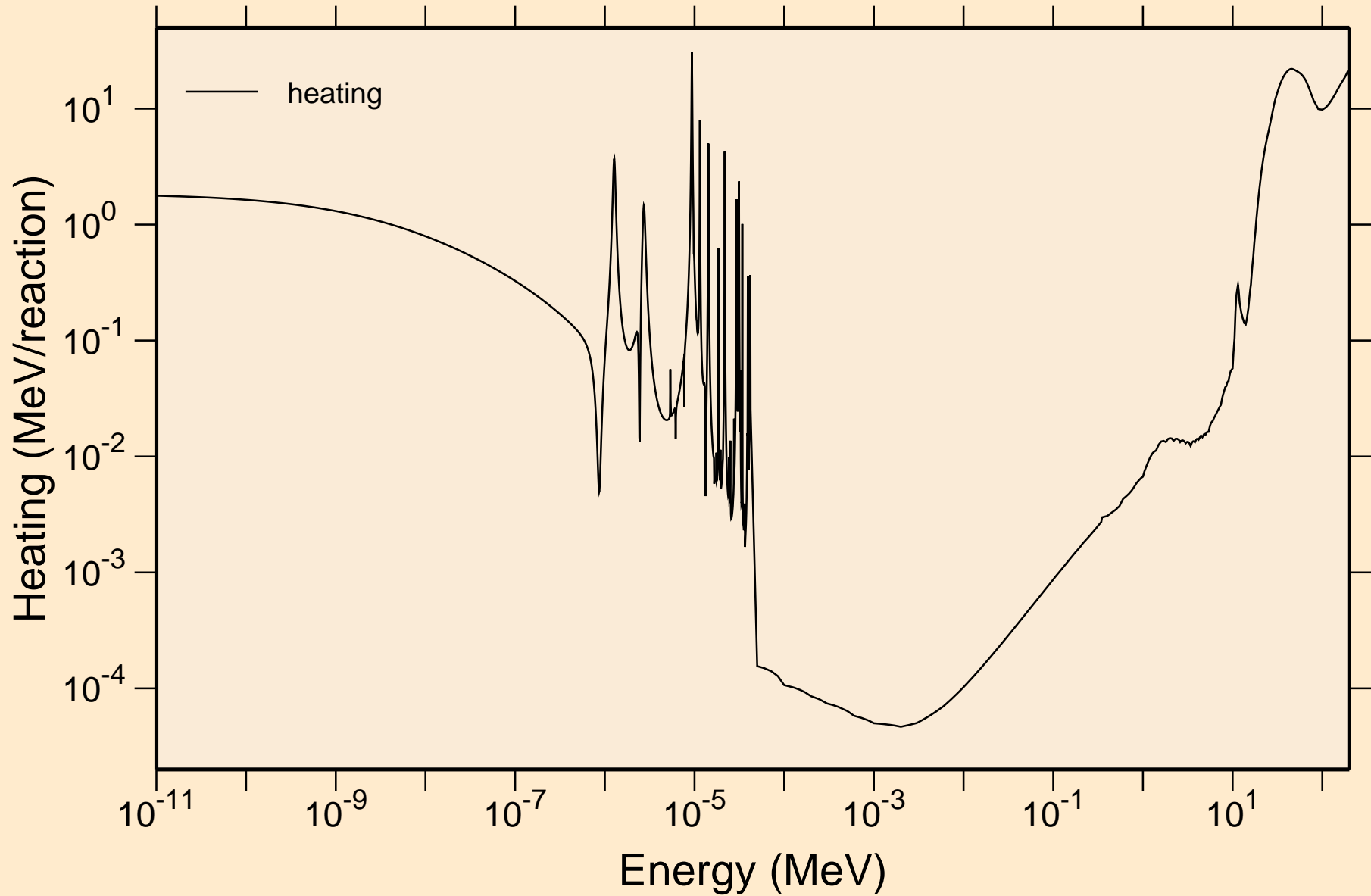
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



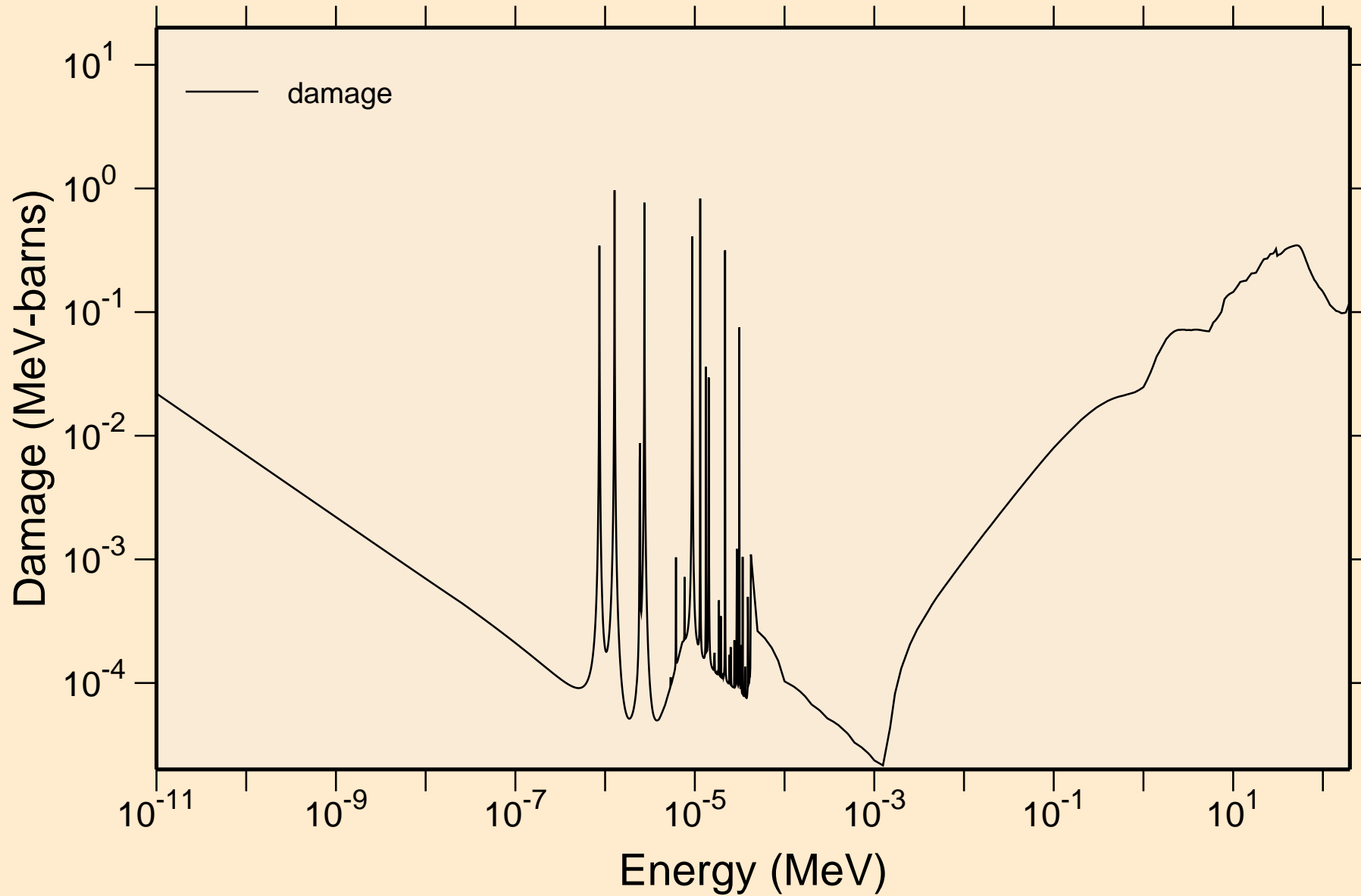
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



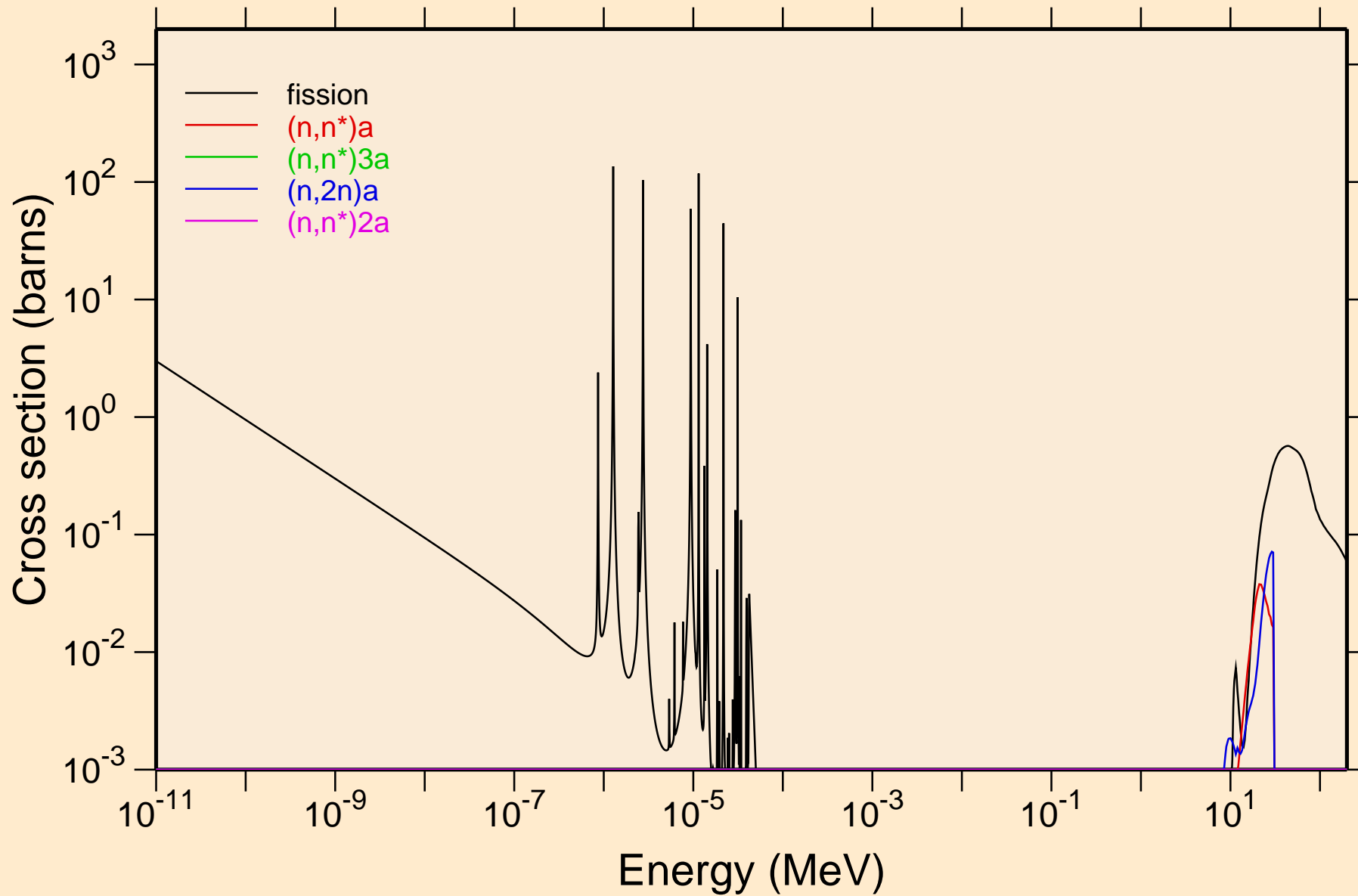
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Heating



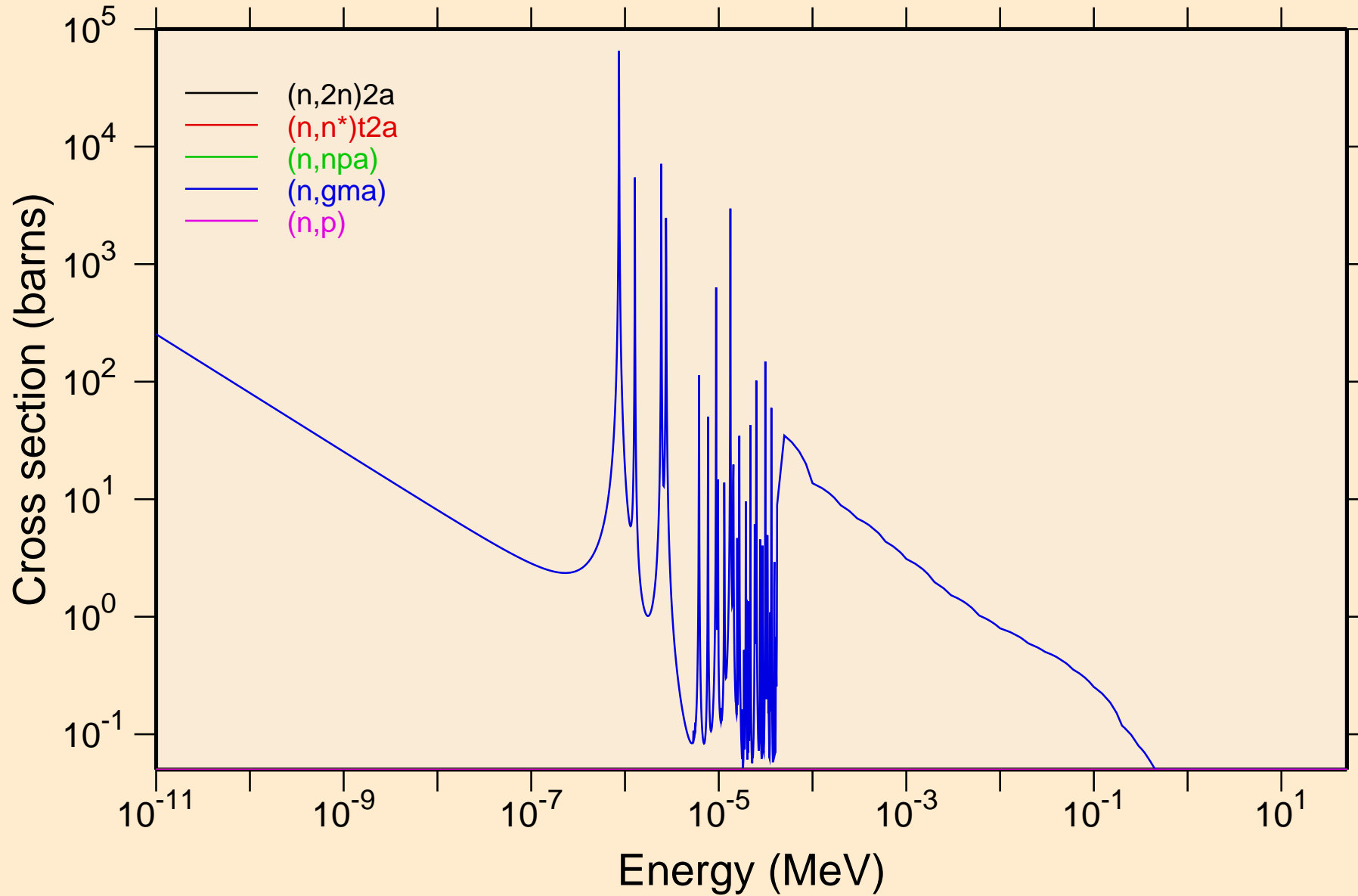
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Damage



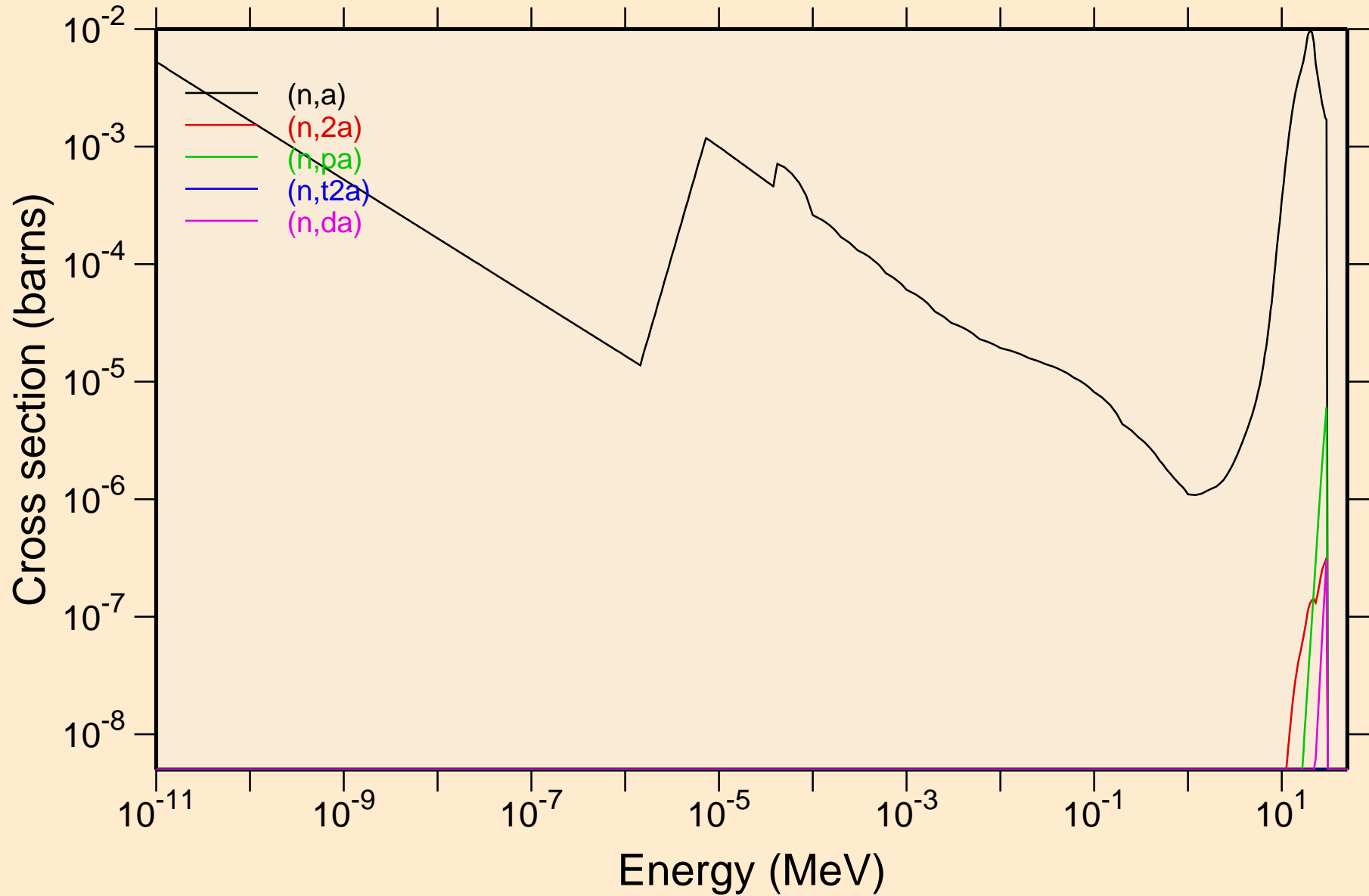
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



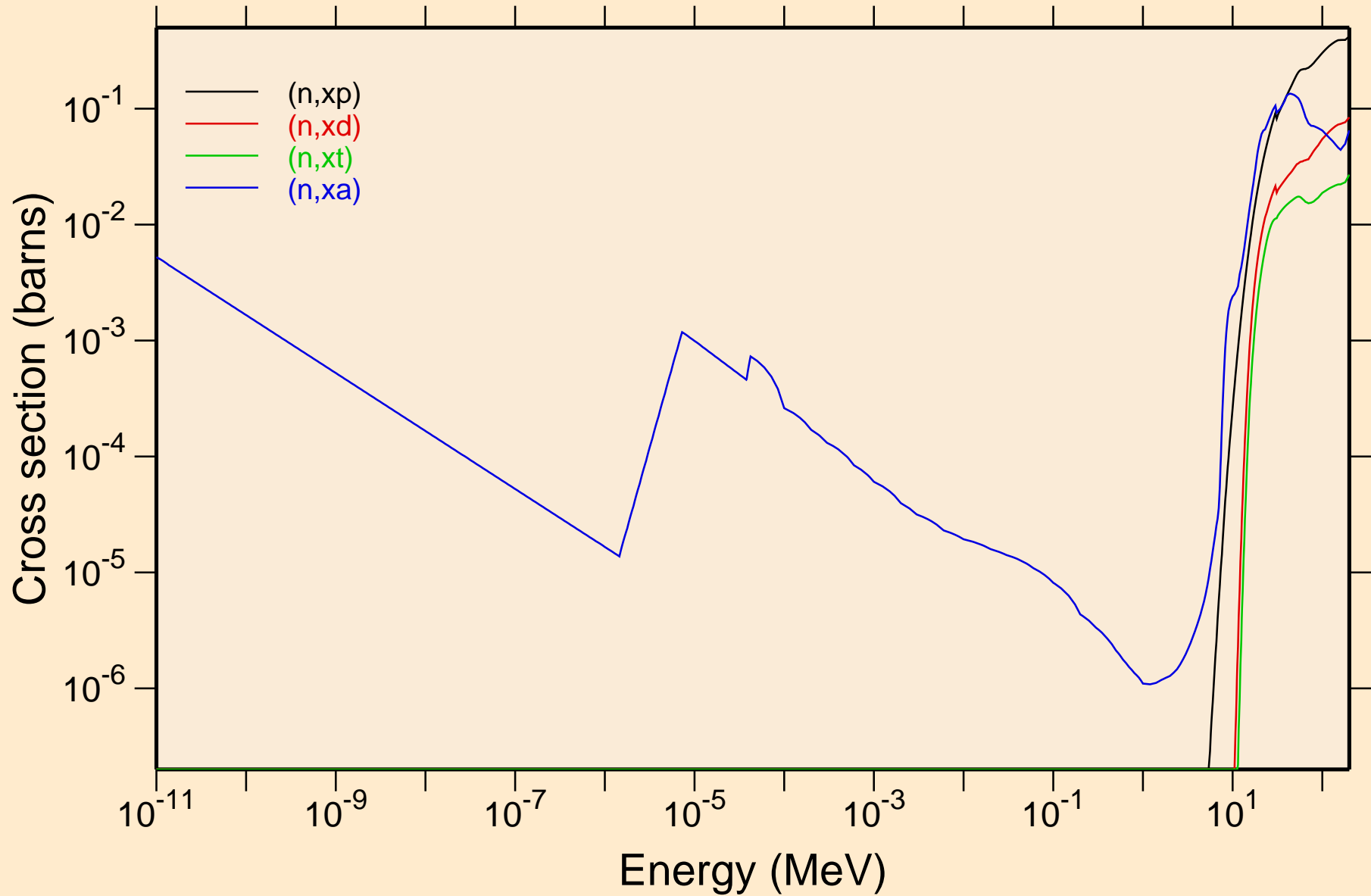
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

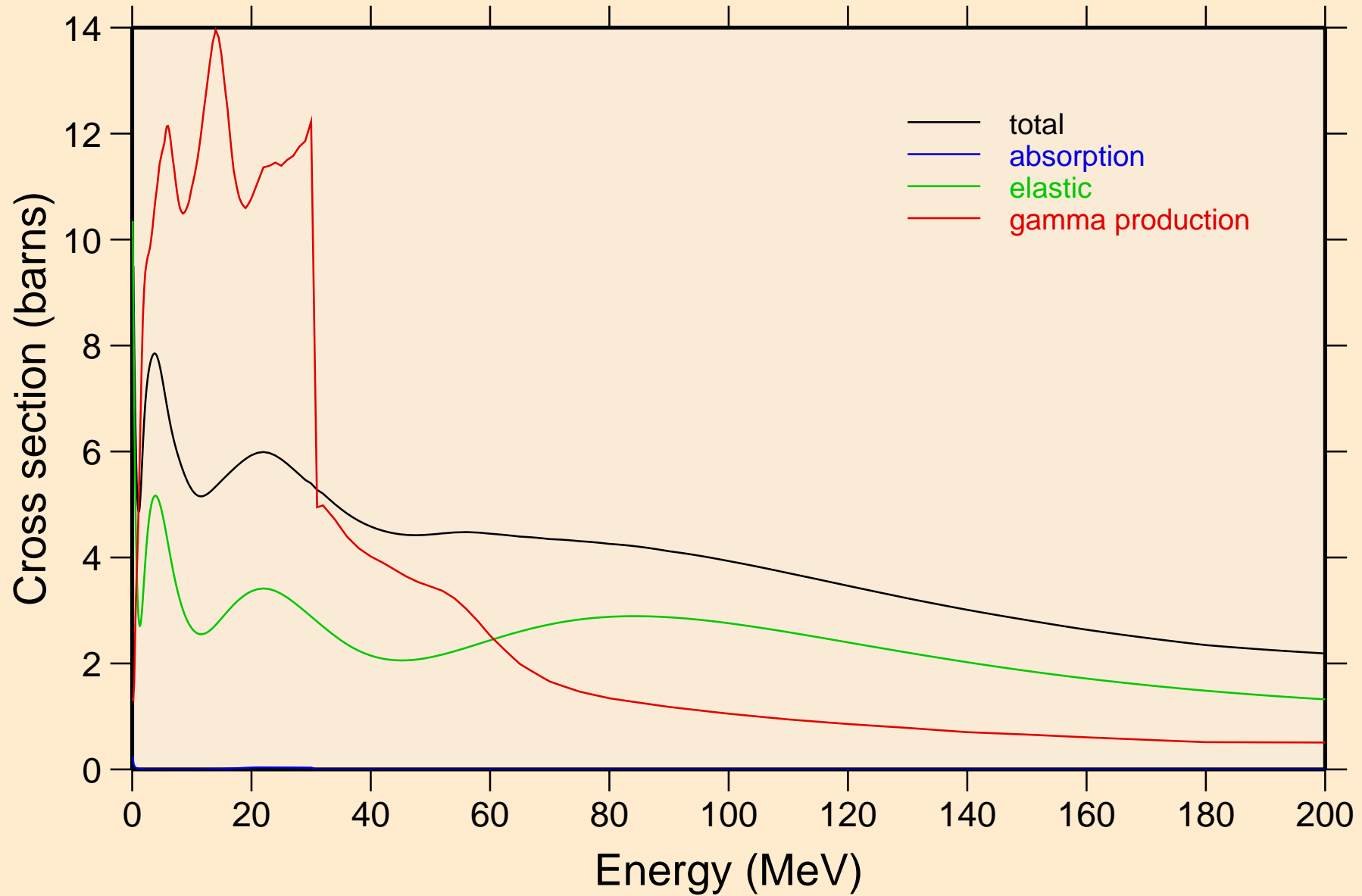


RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



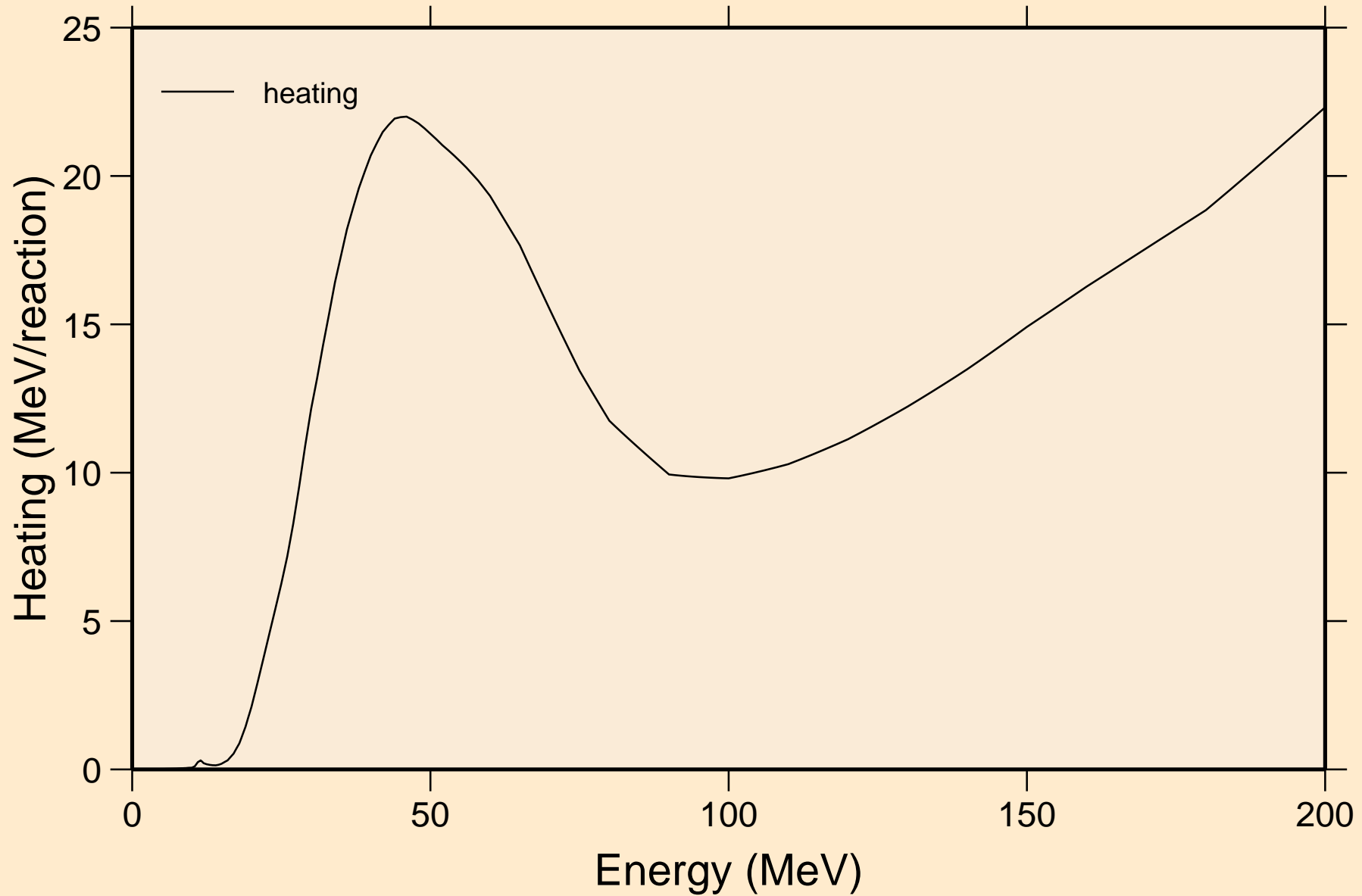
# RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



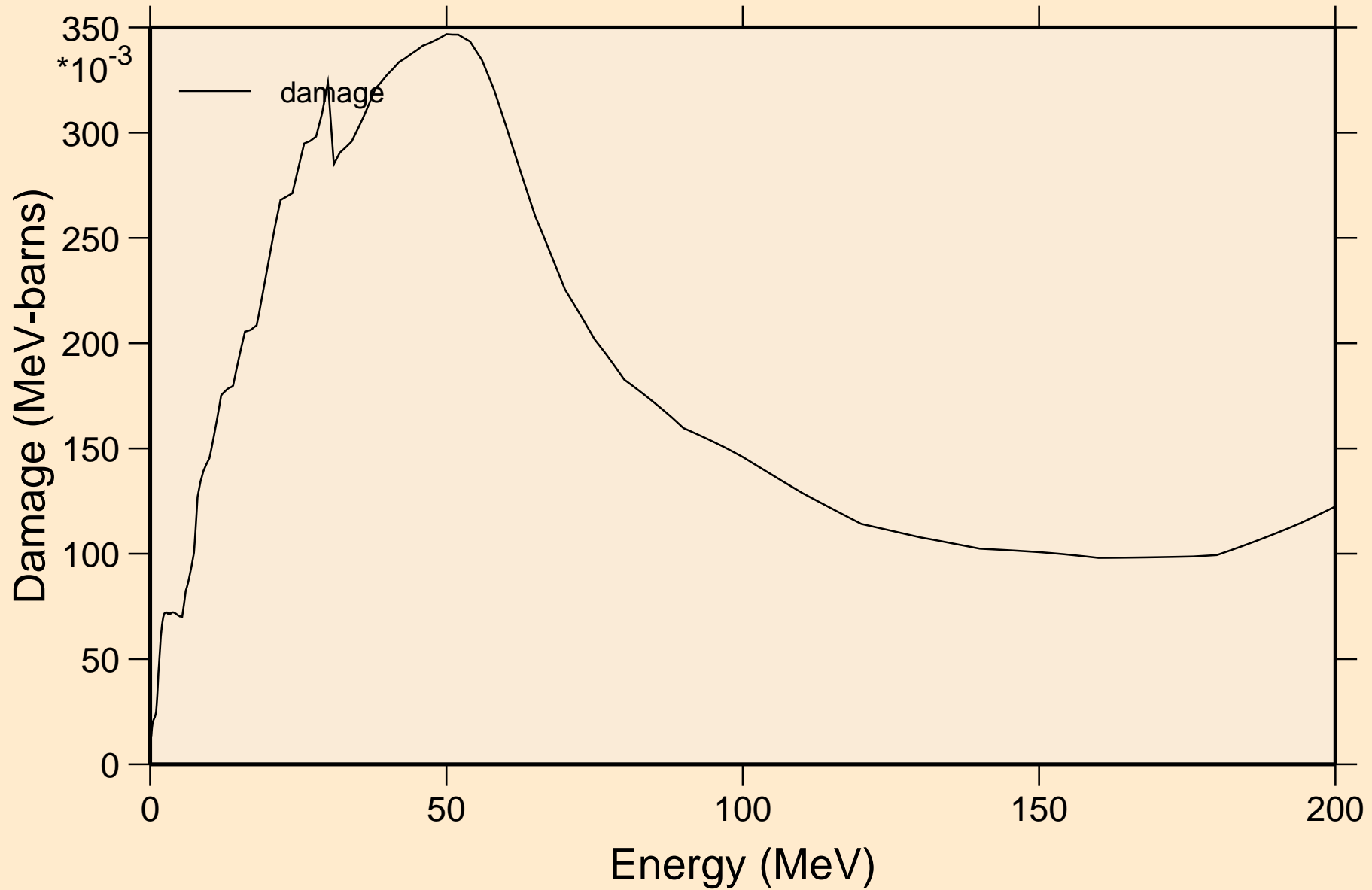
# RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Heating

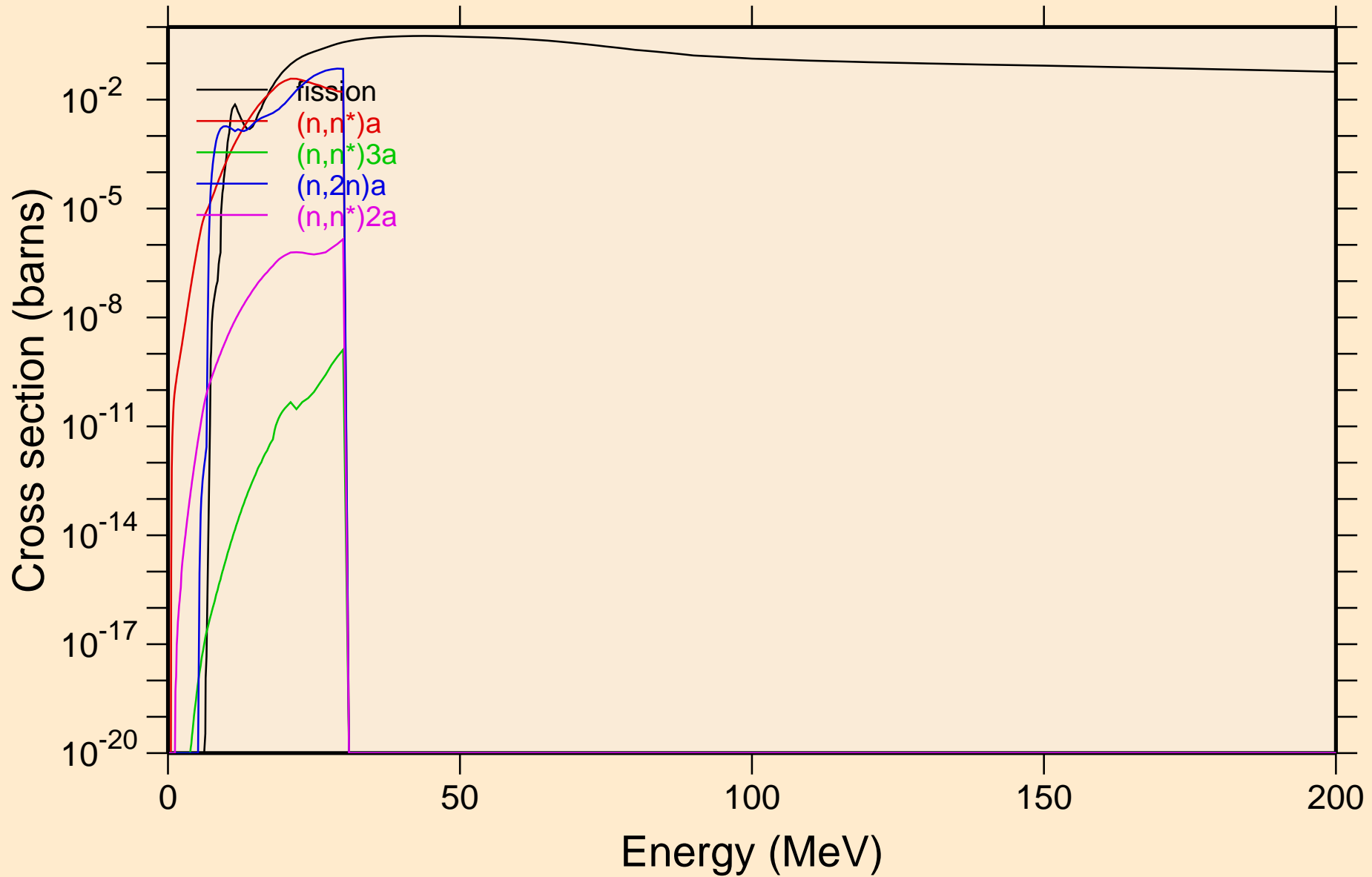


# RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

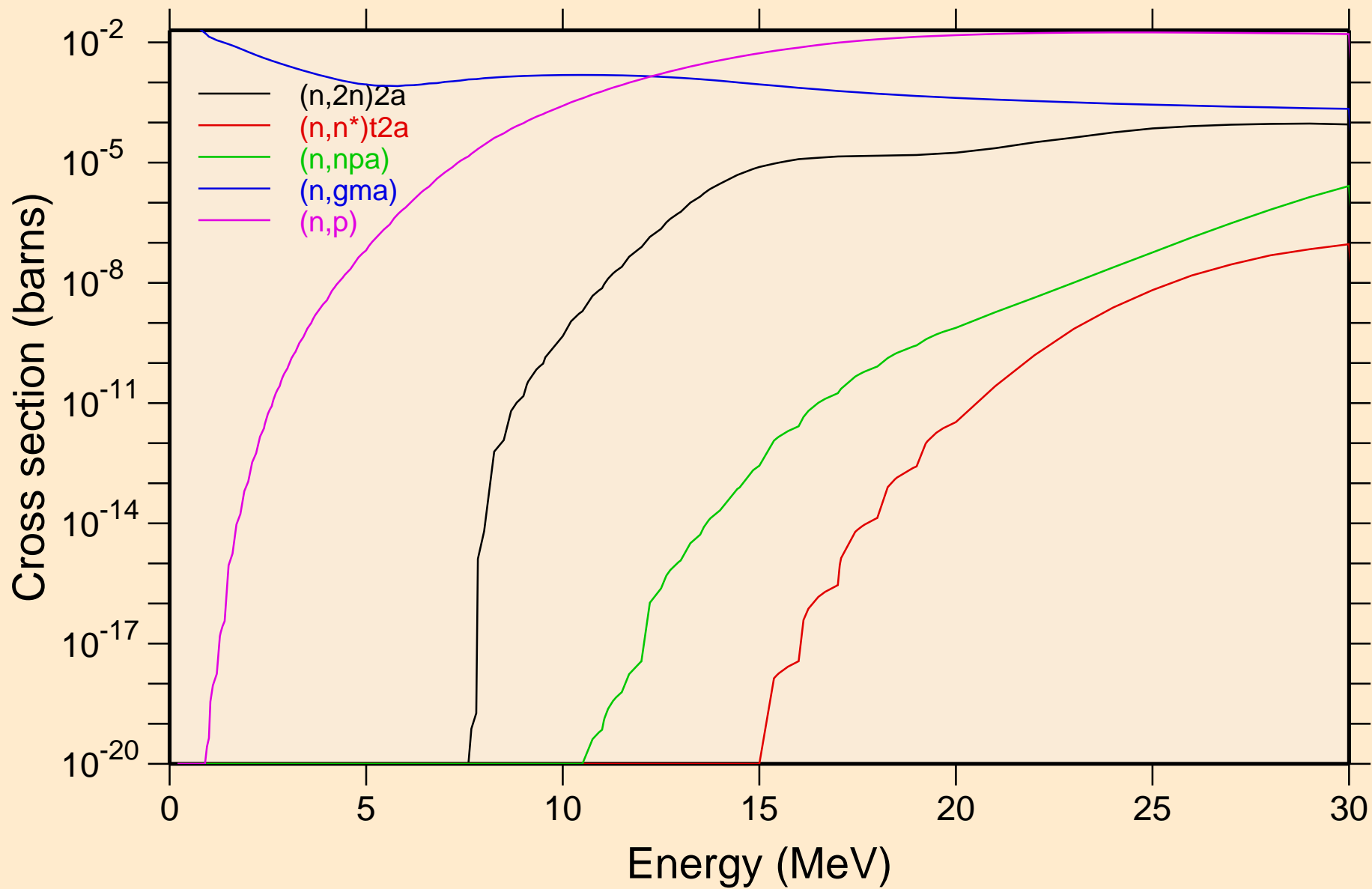
## Damage



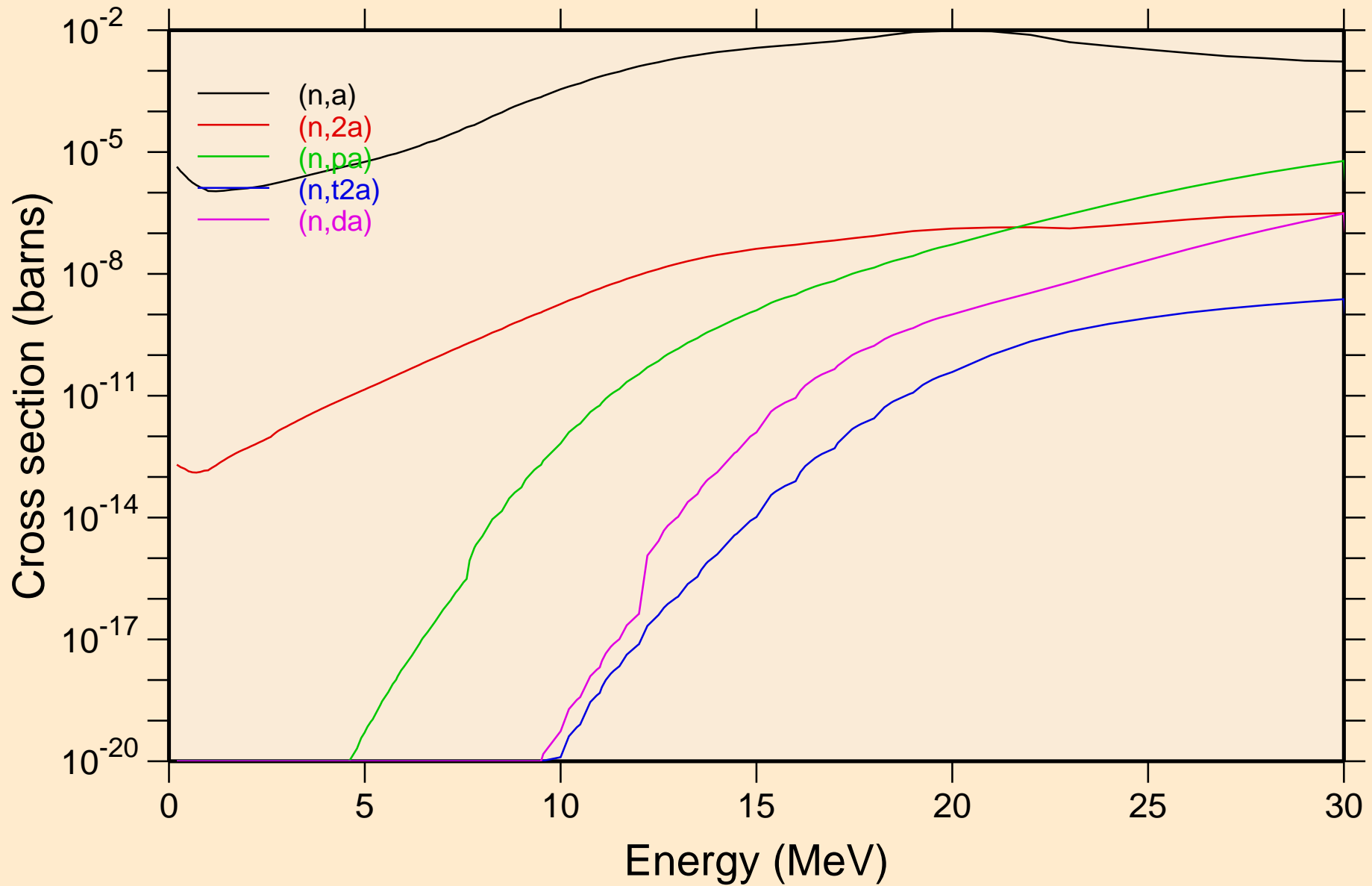
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



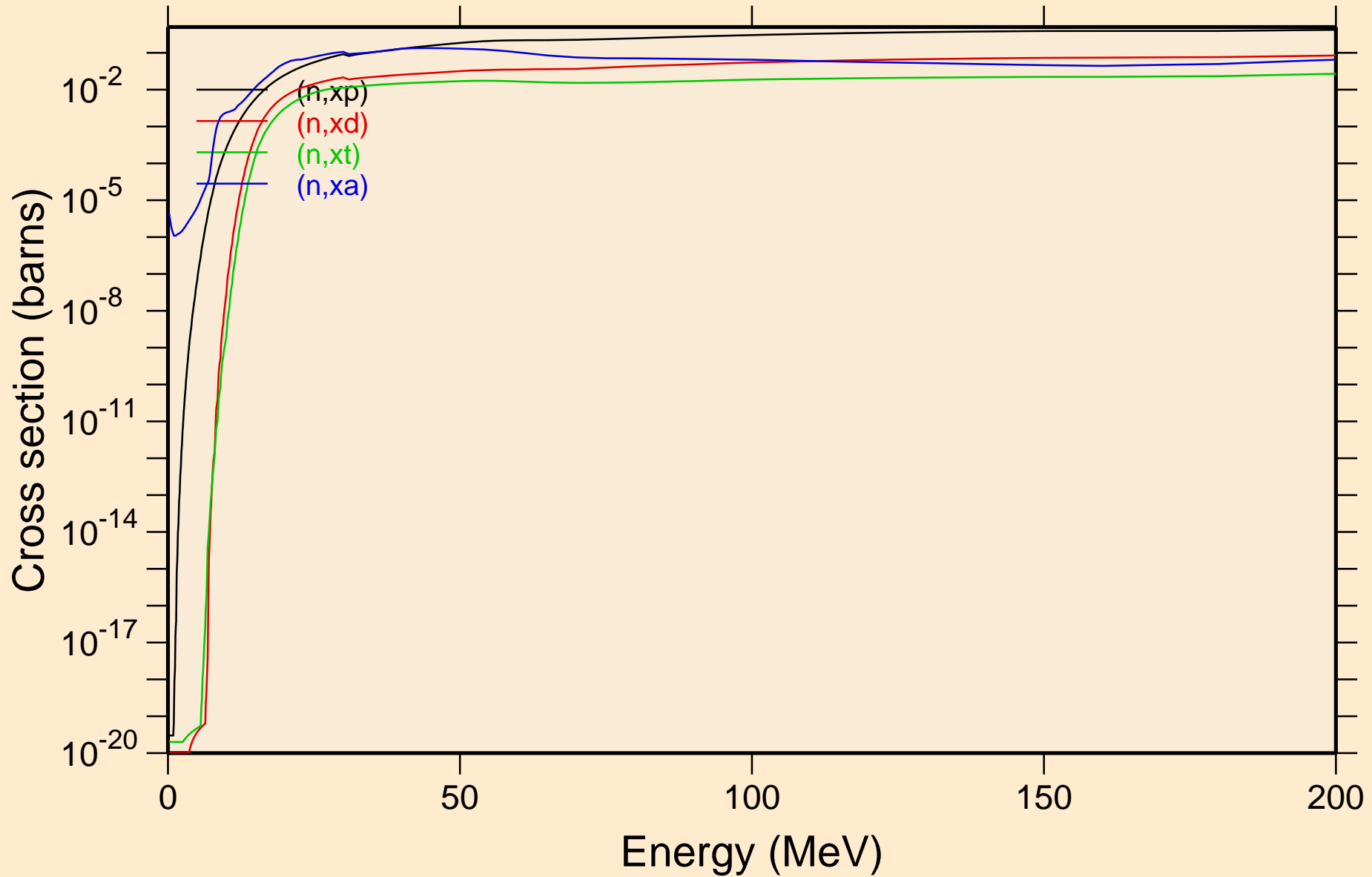
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



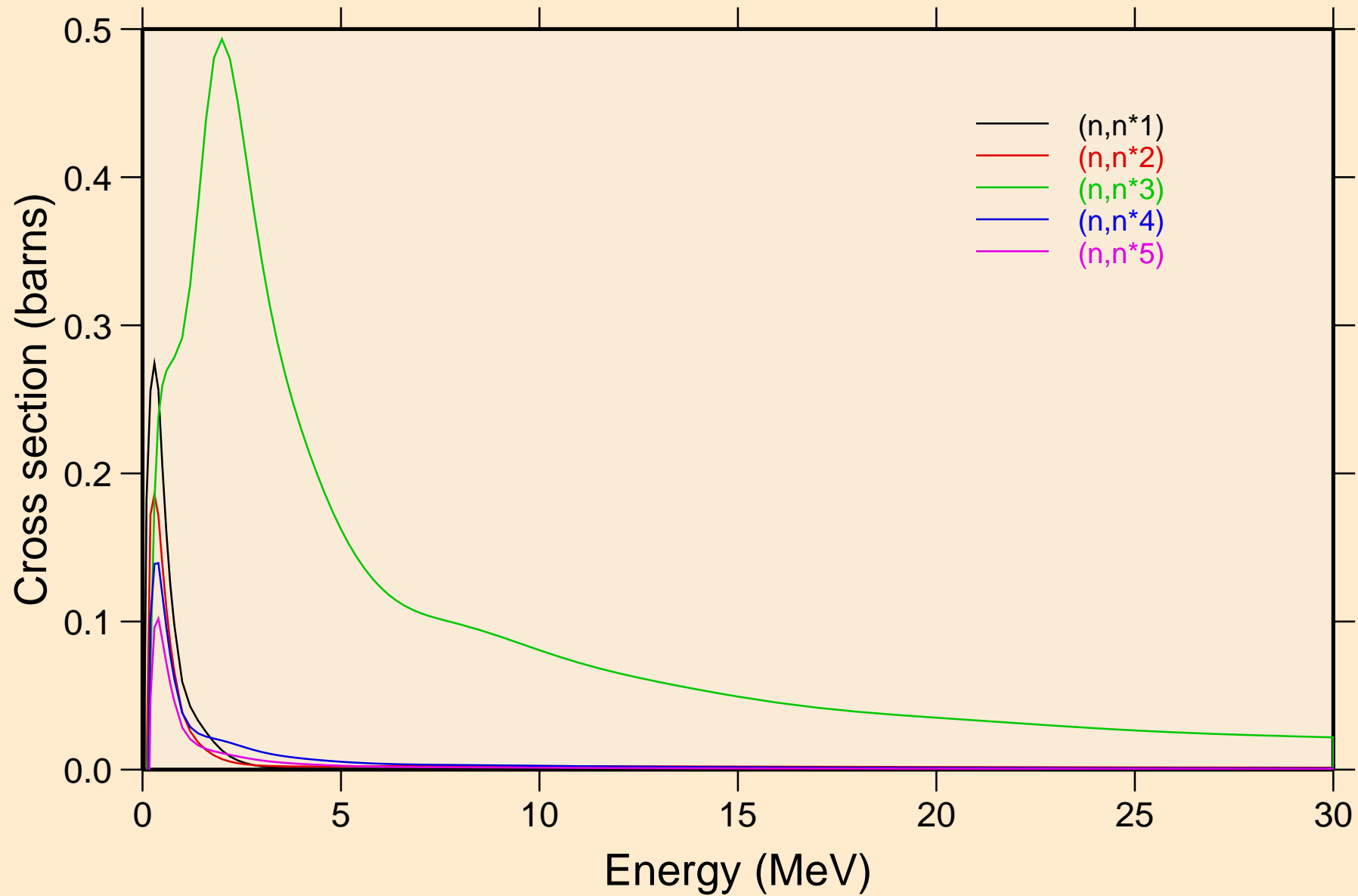
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



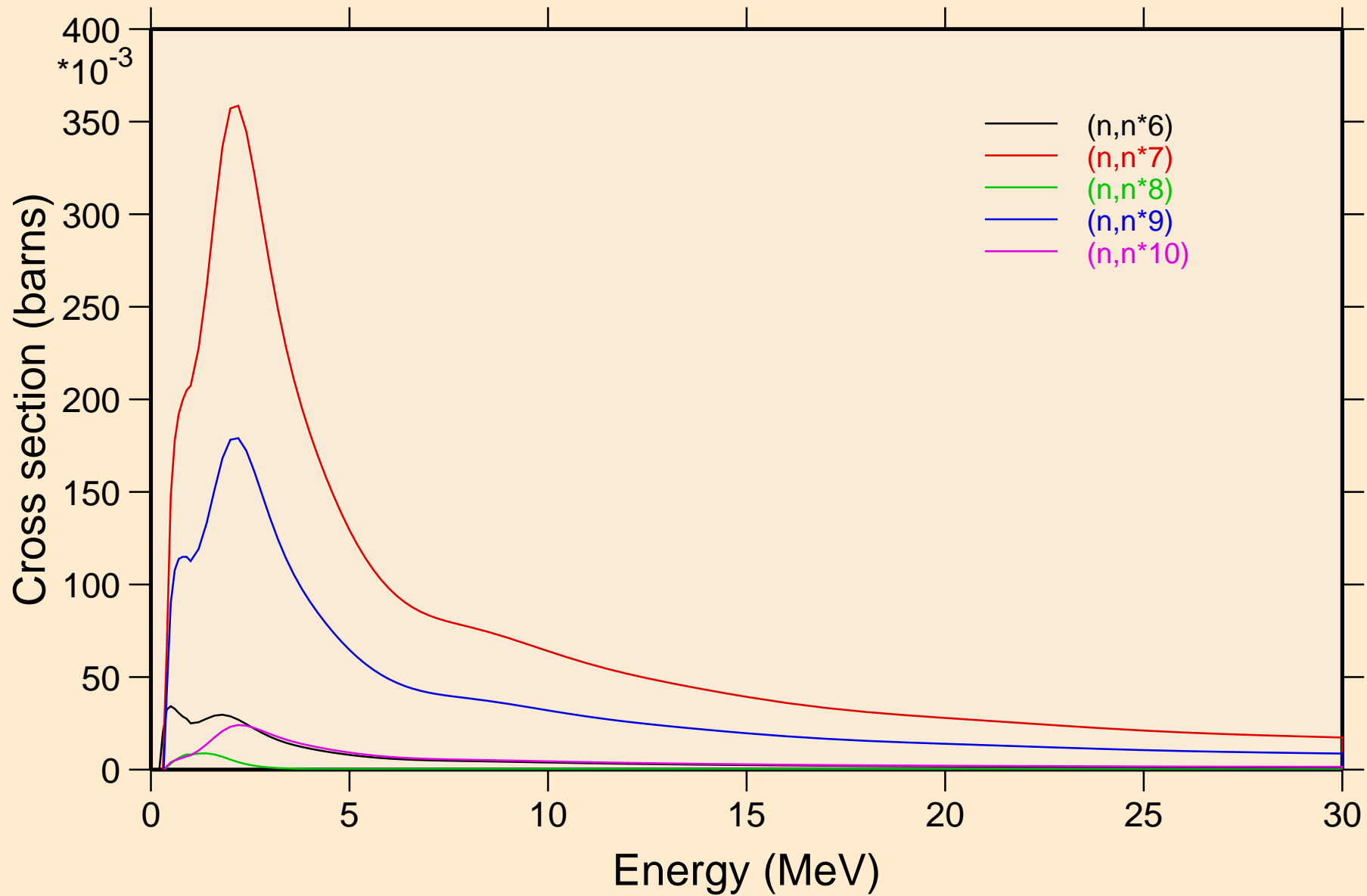
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



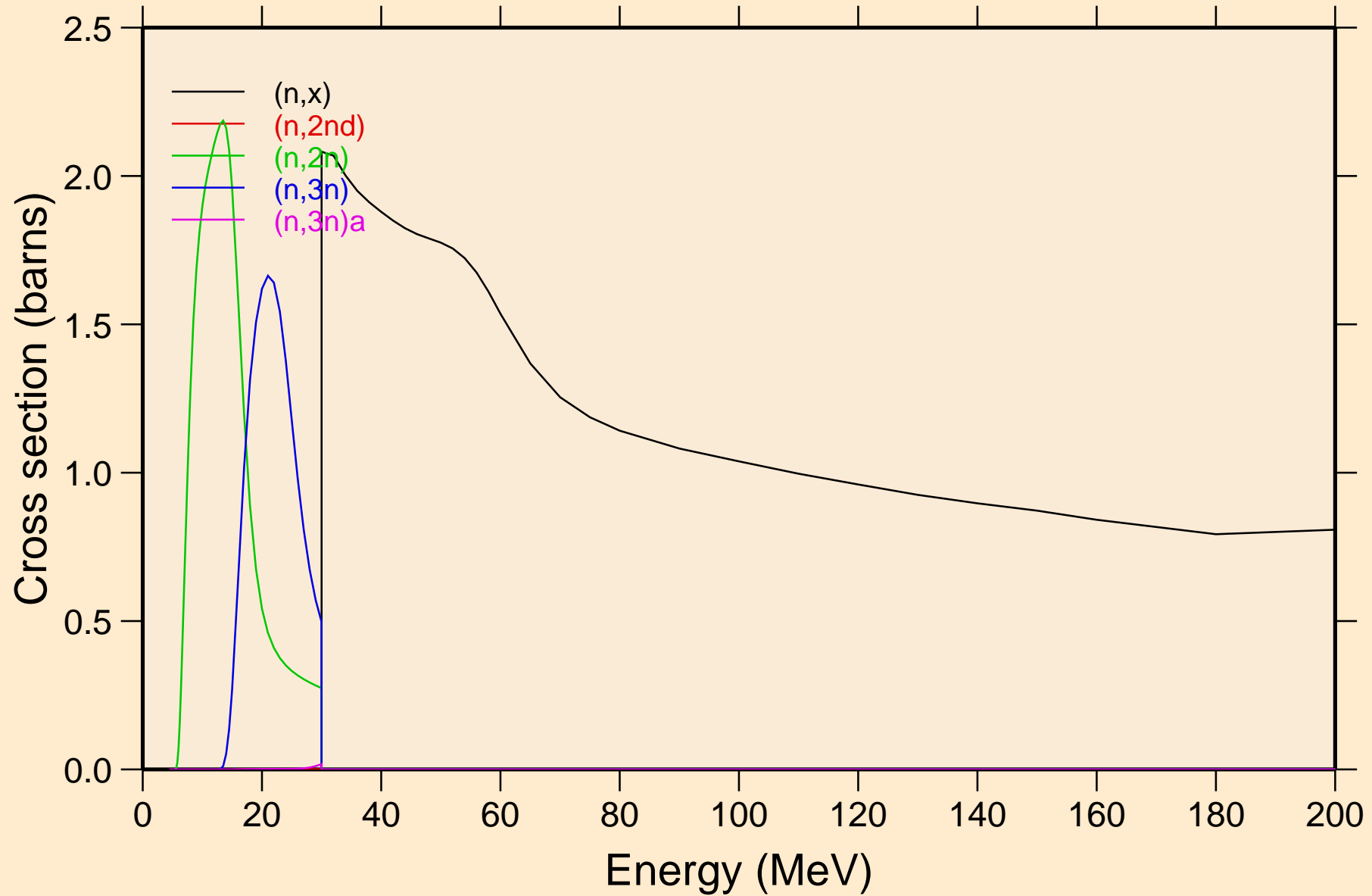
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



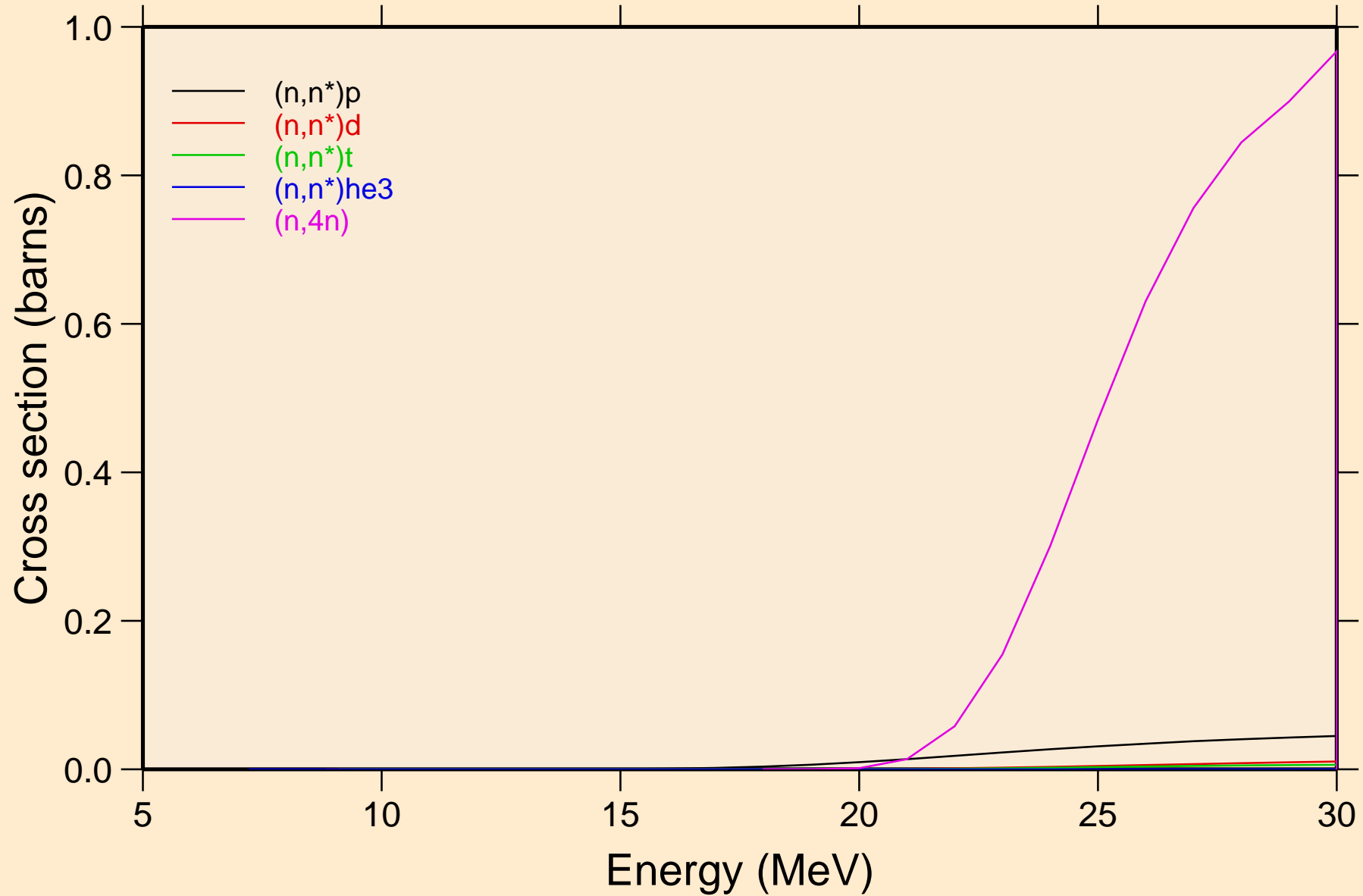
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



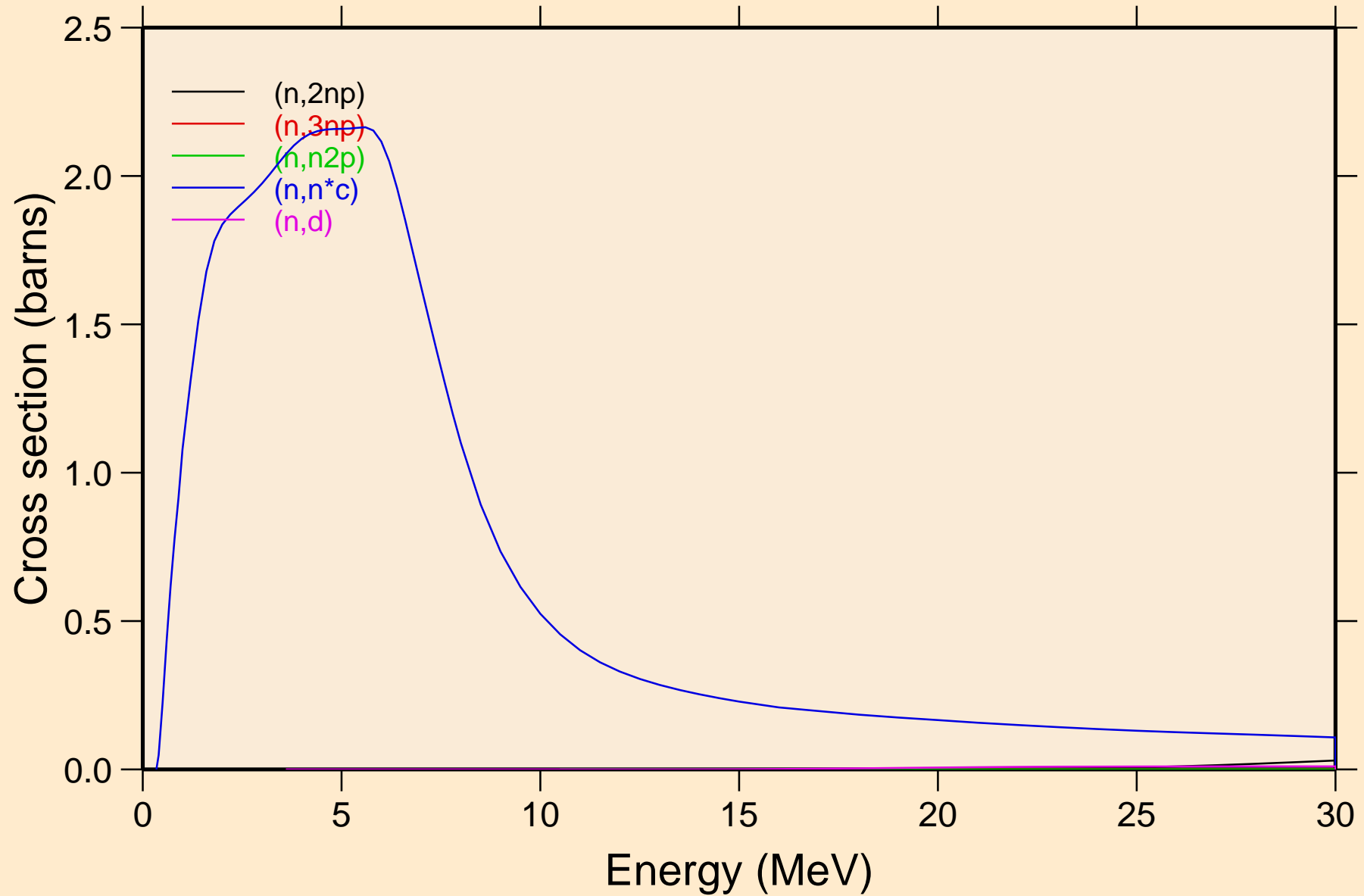
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



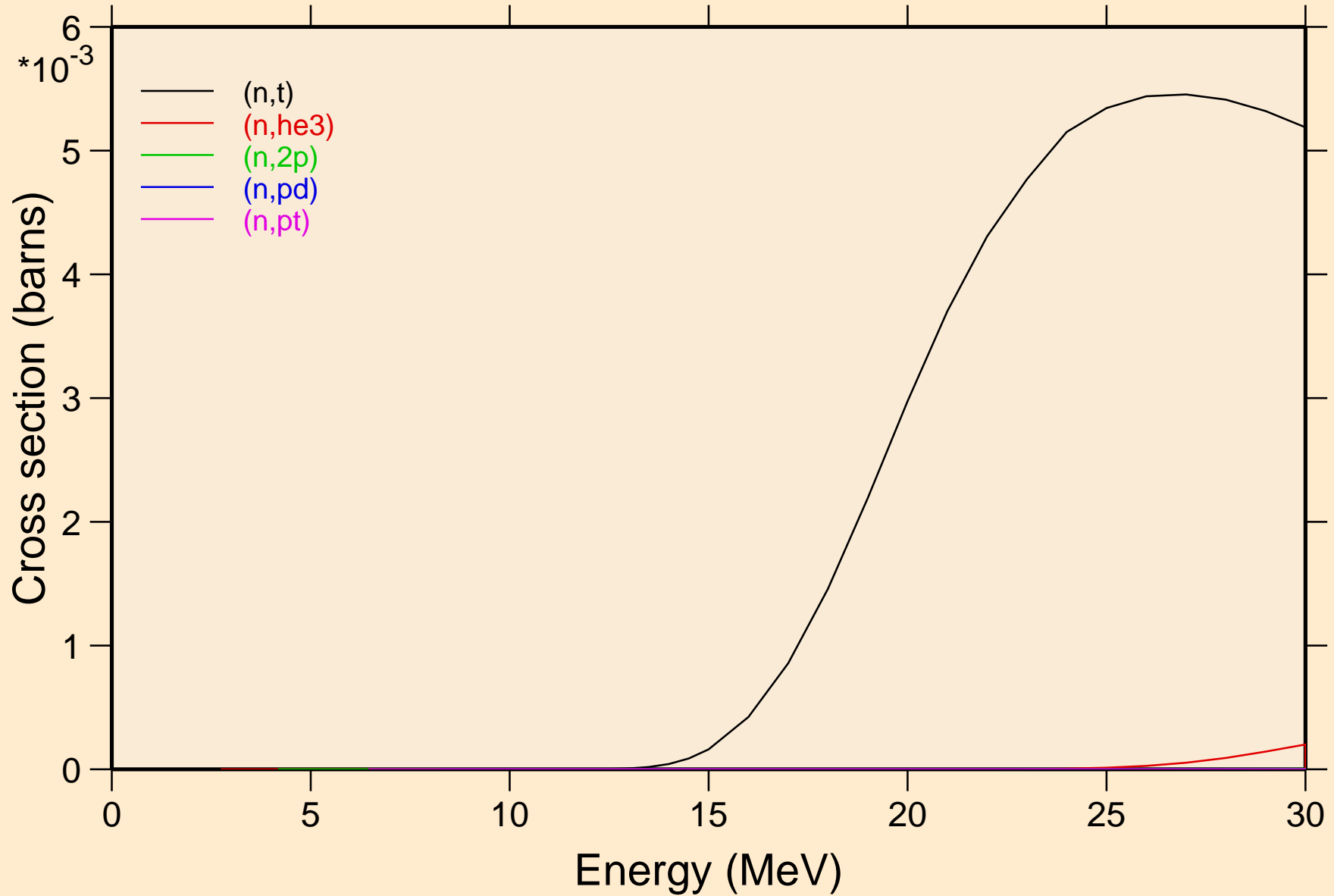
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



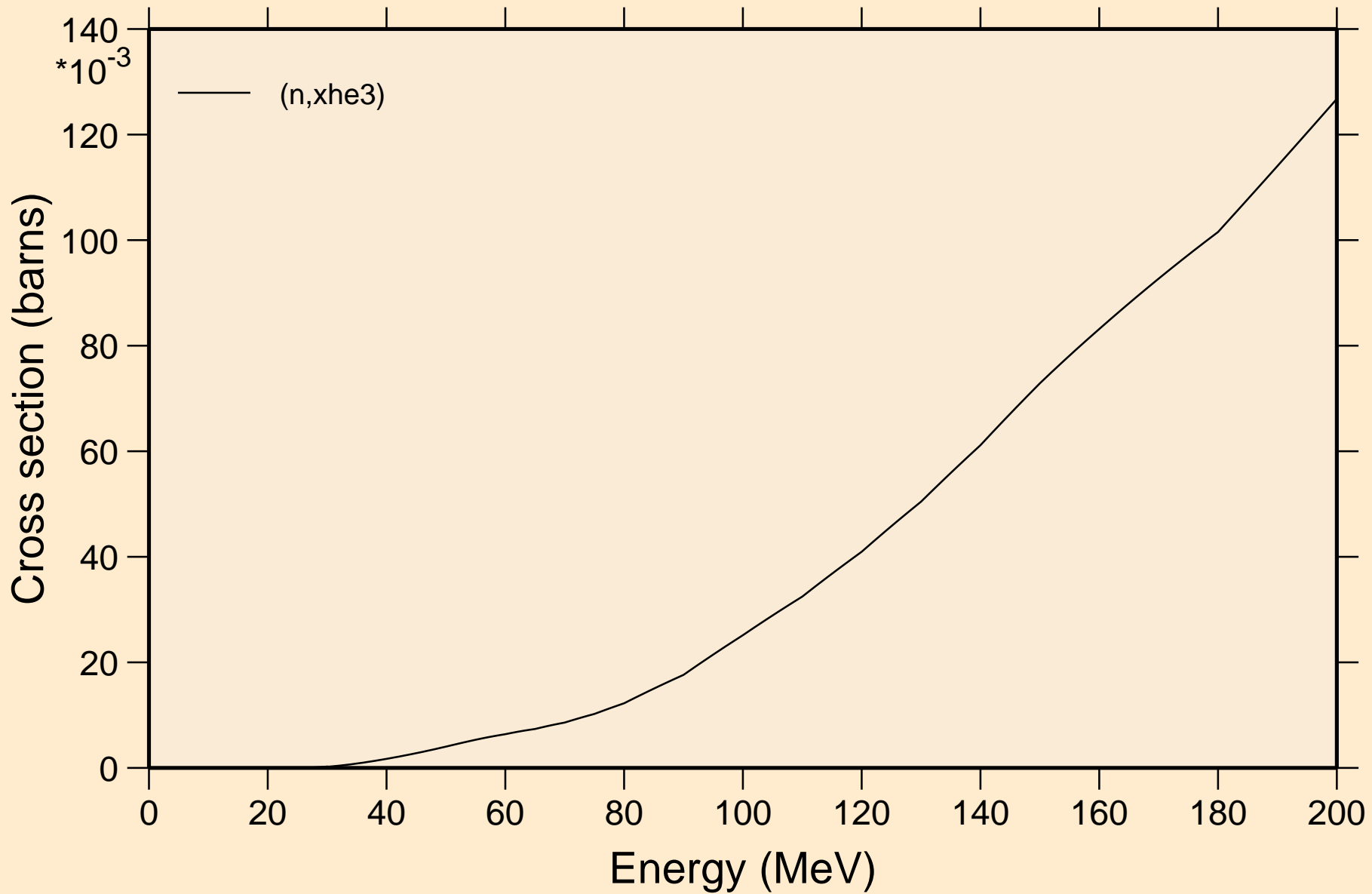
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



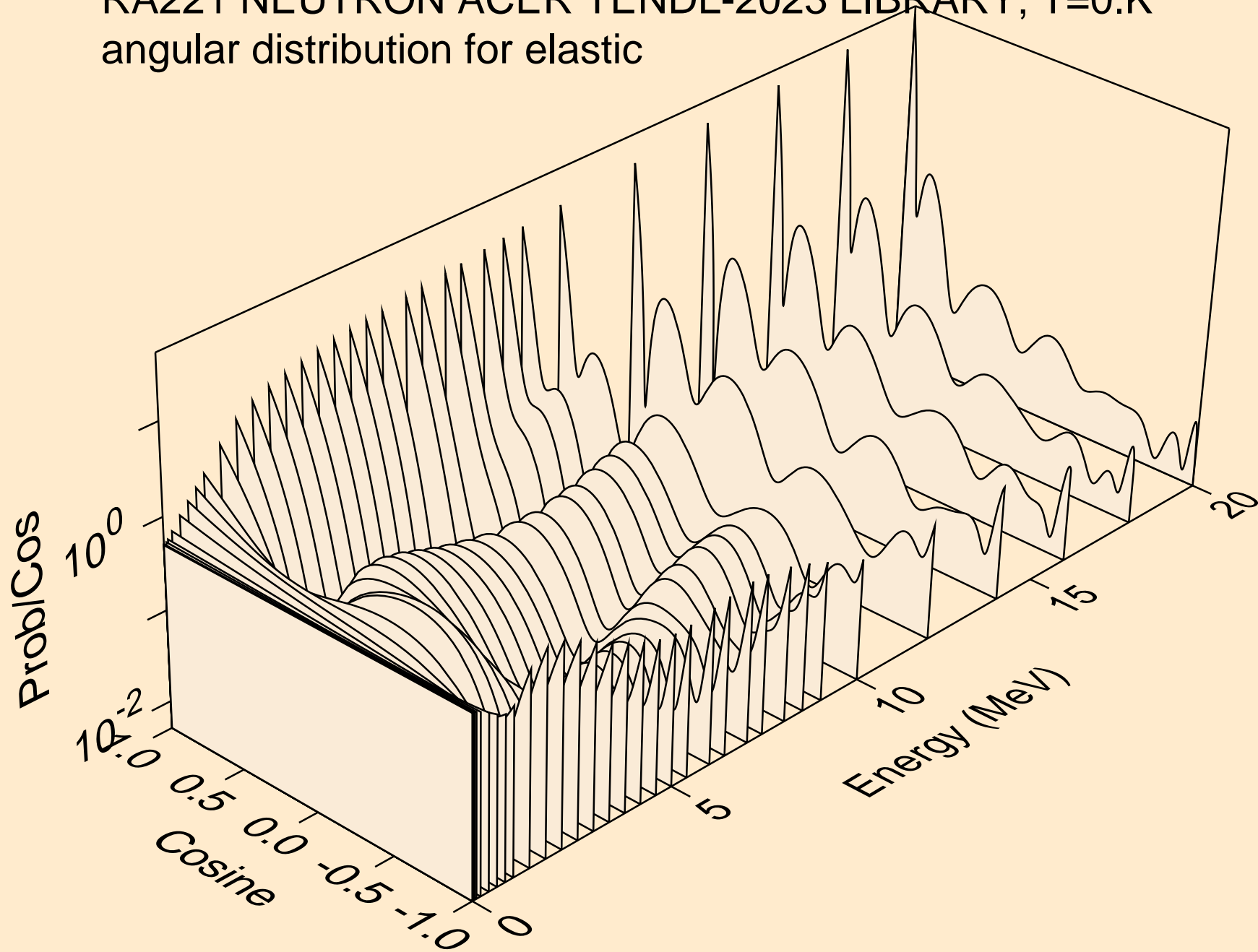
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



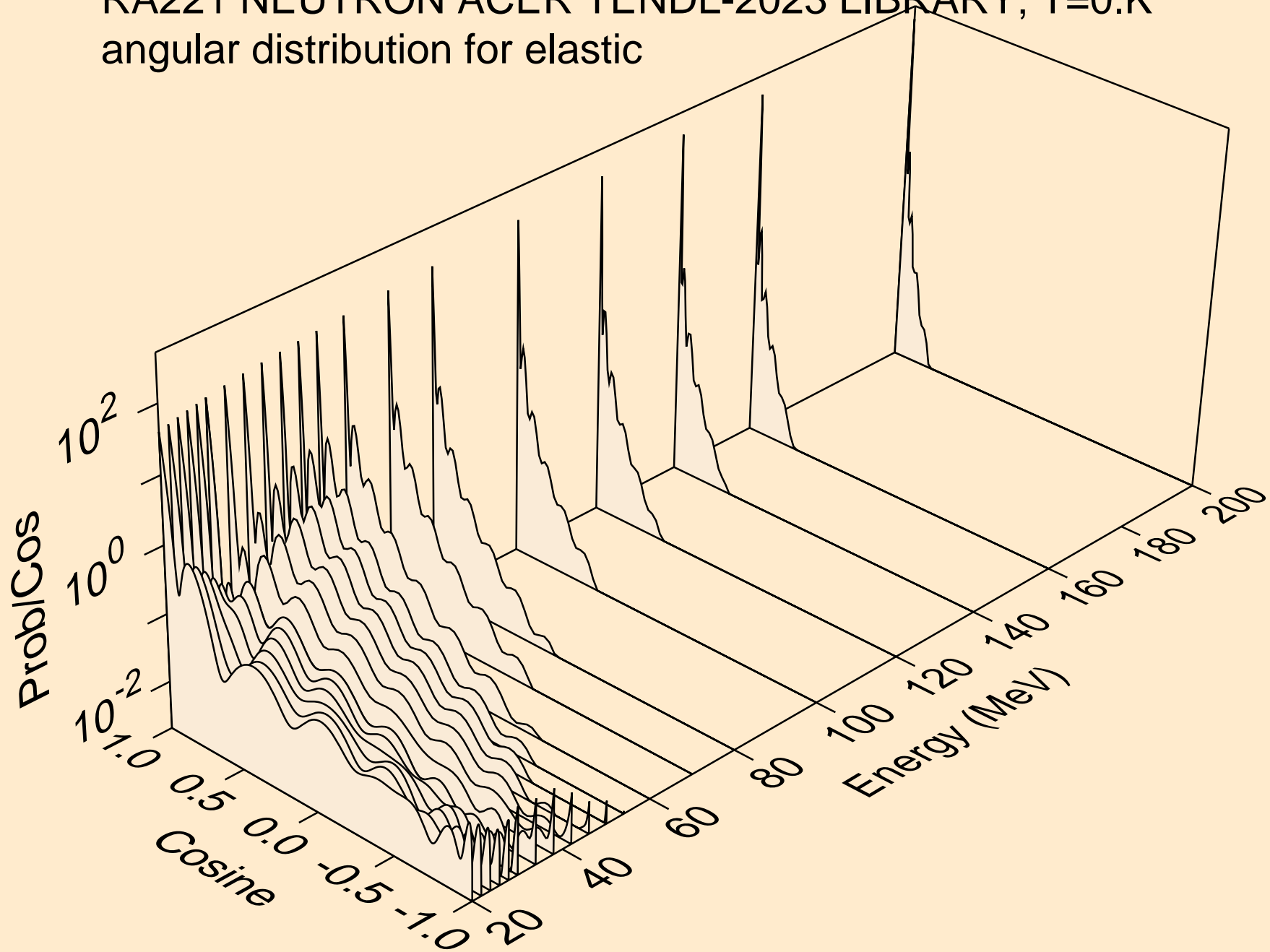
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



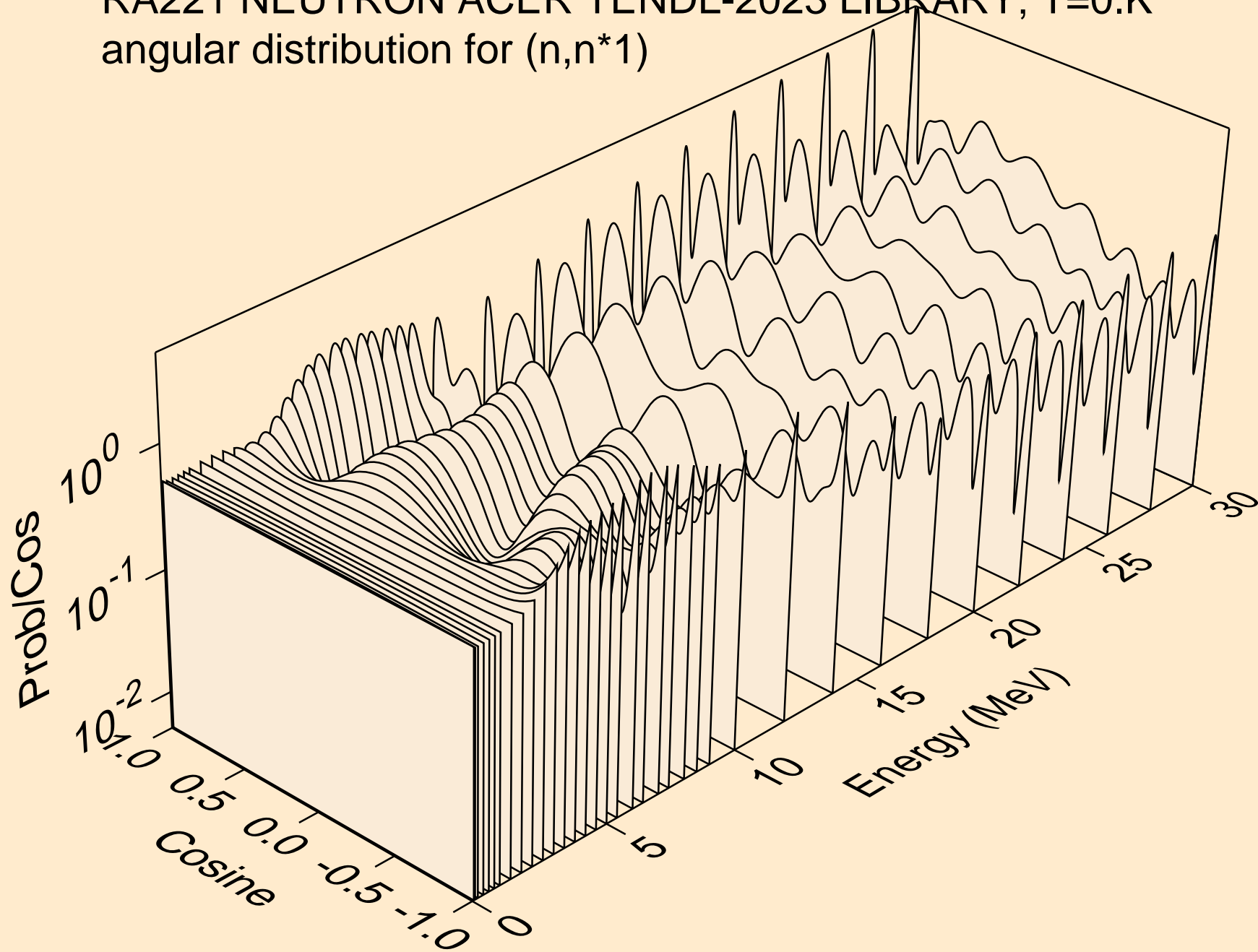
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



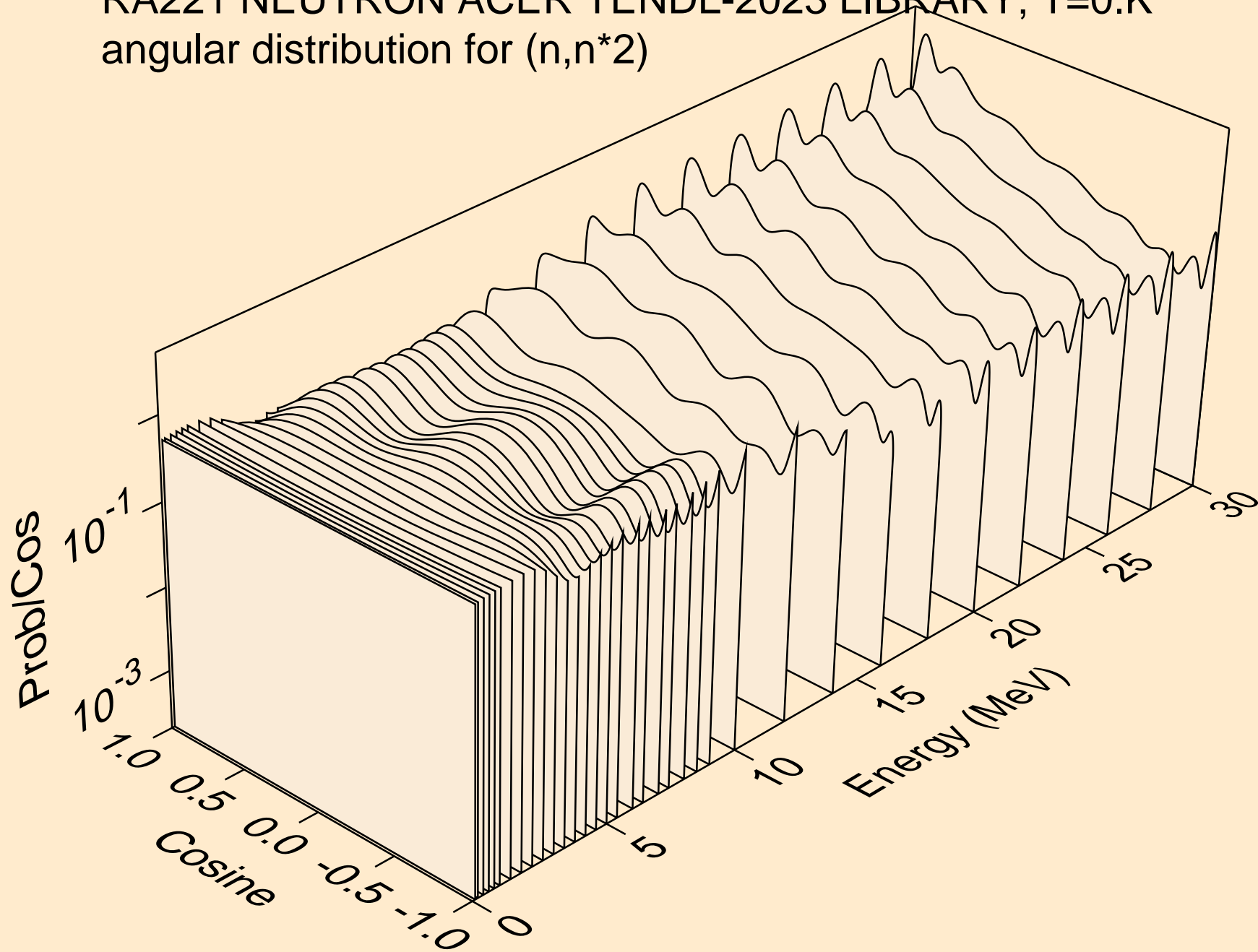
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



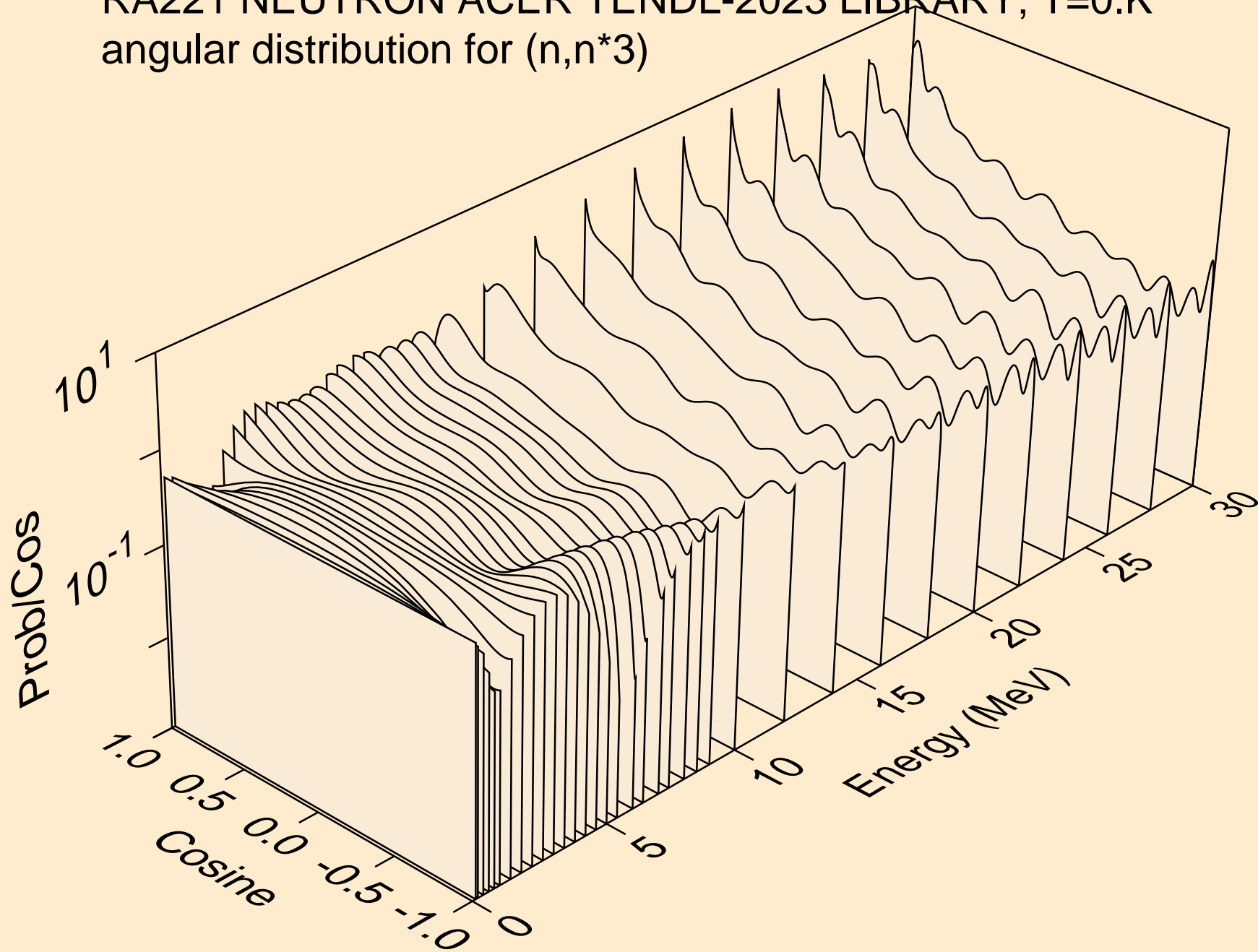
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



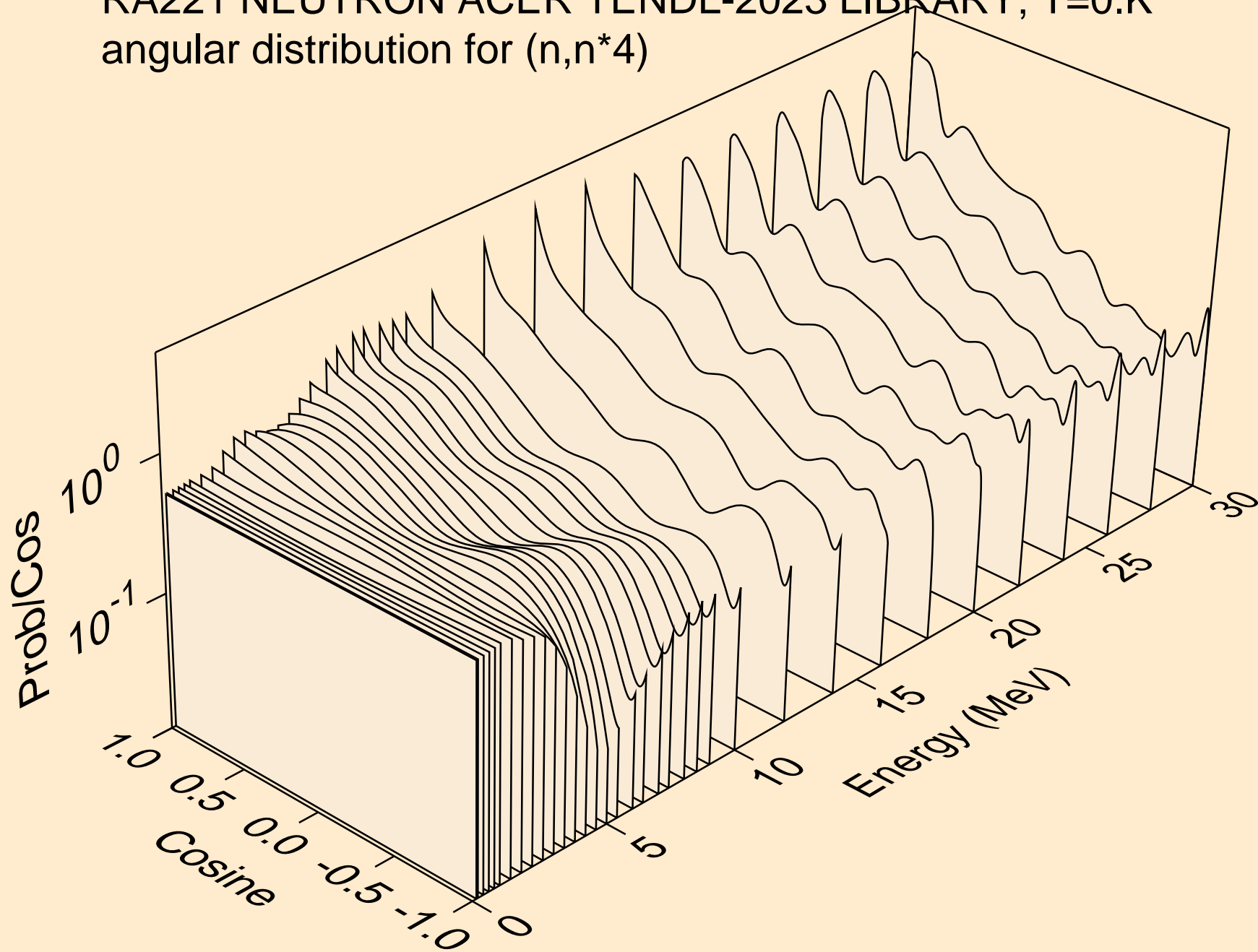
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*2)



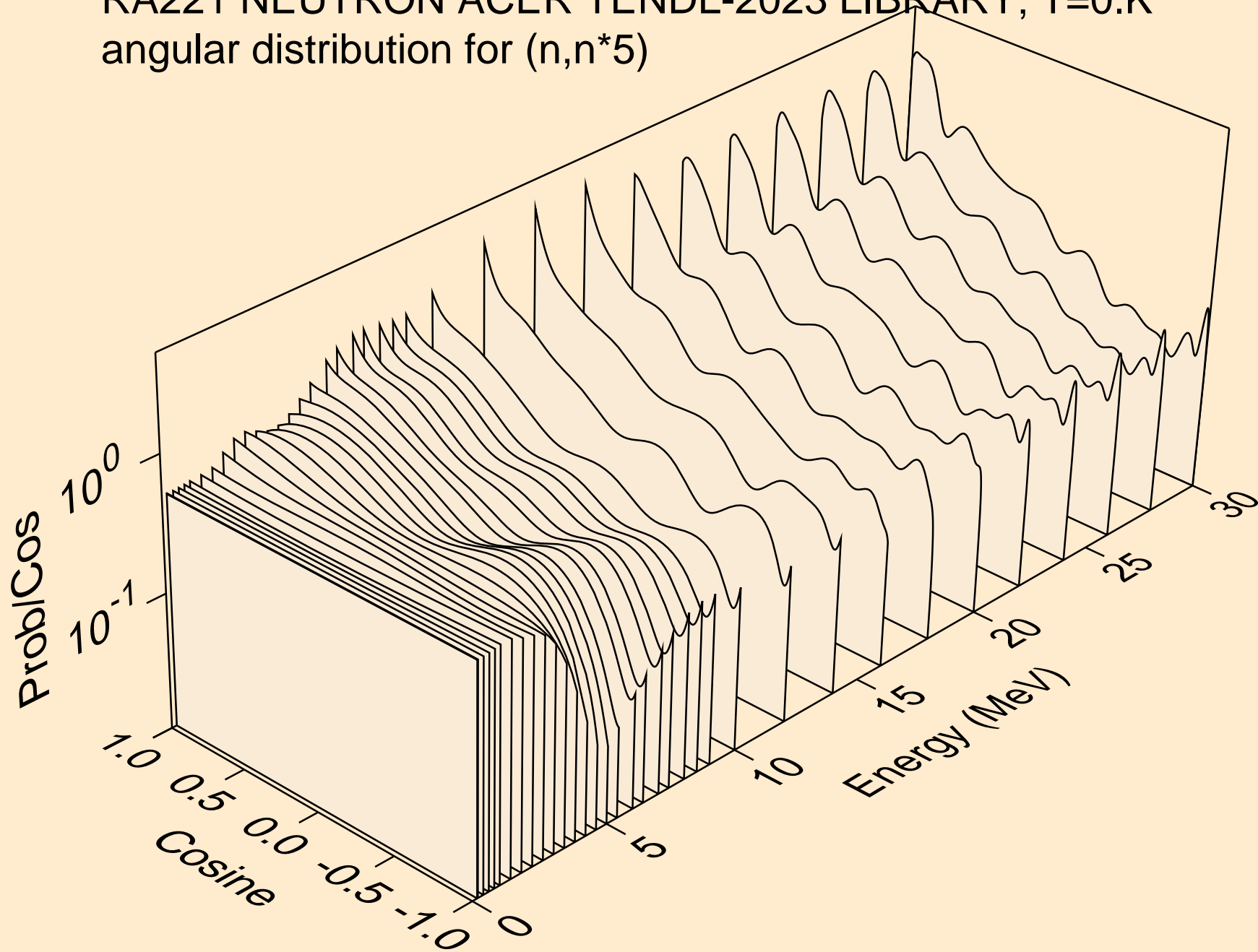
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*3)



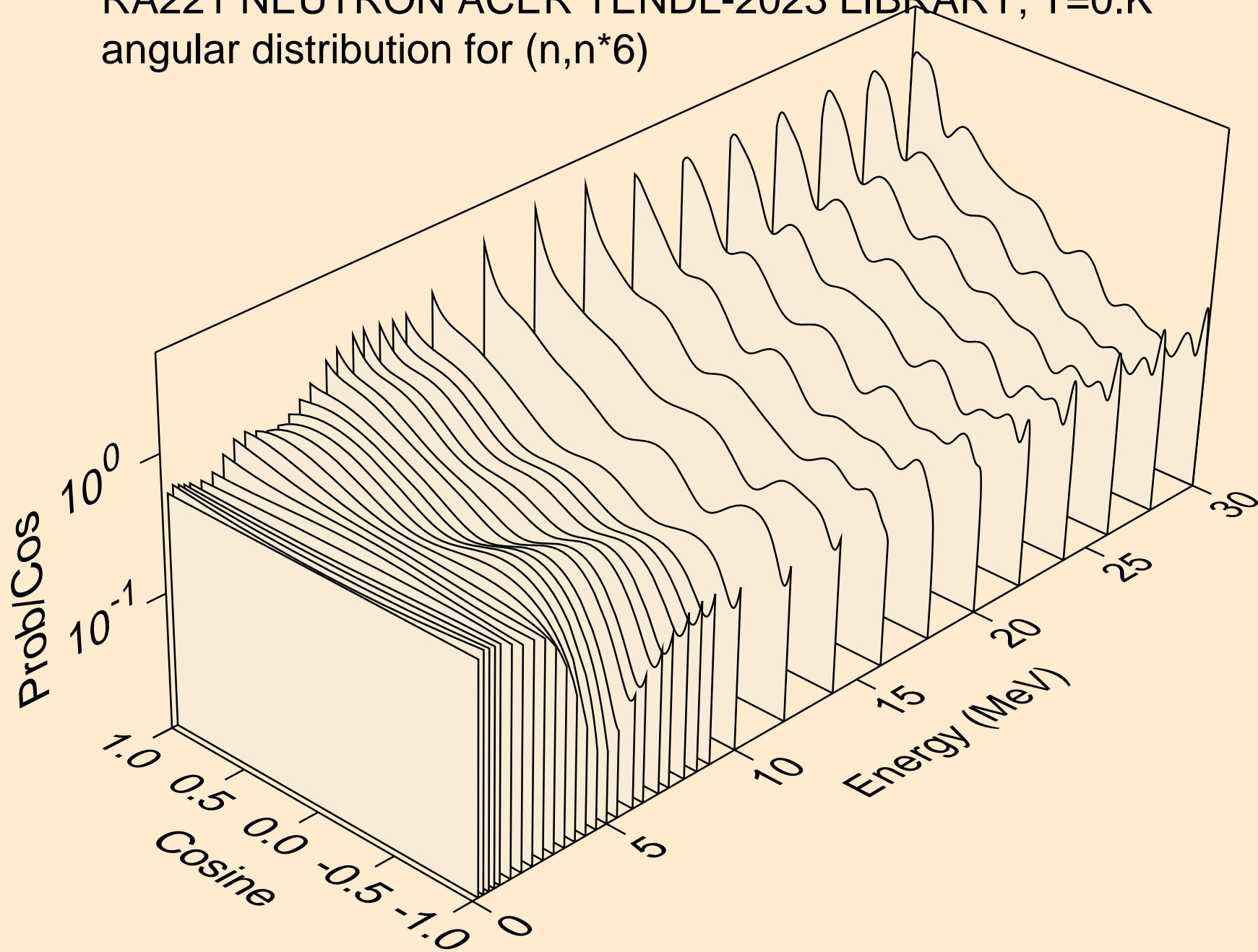
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*4)



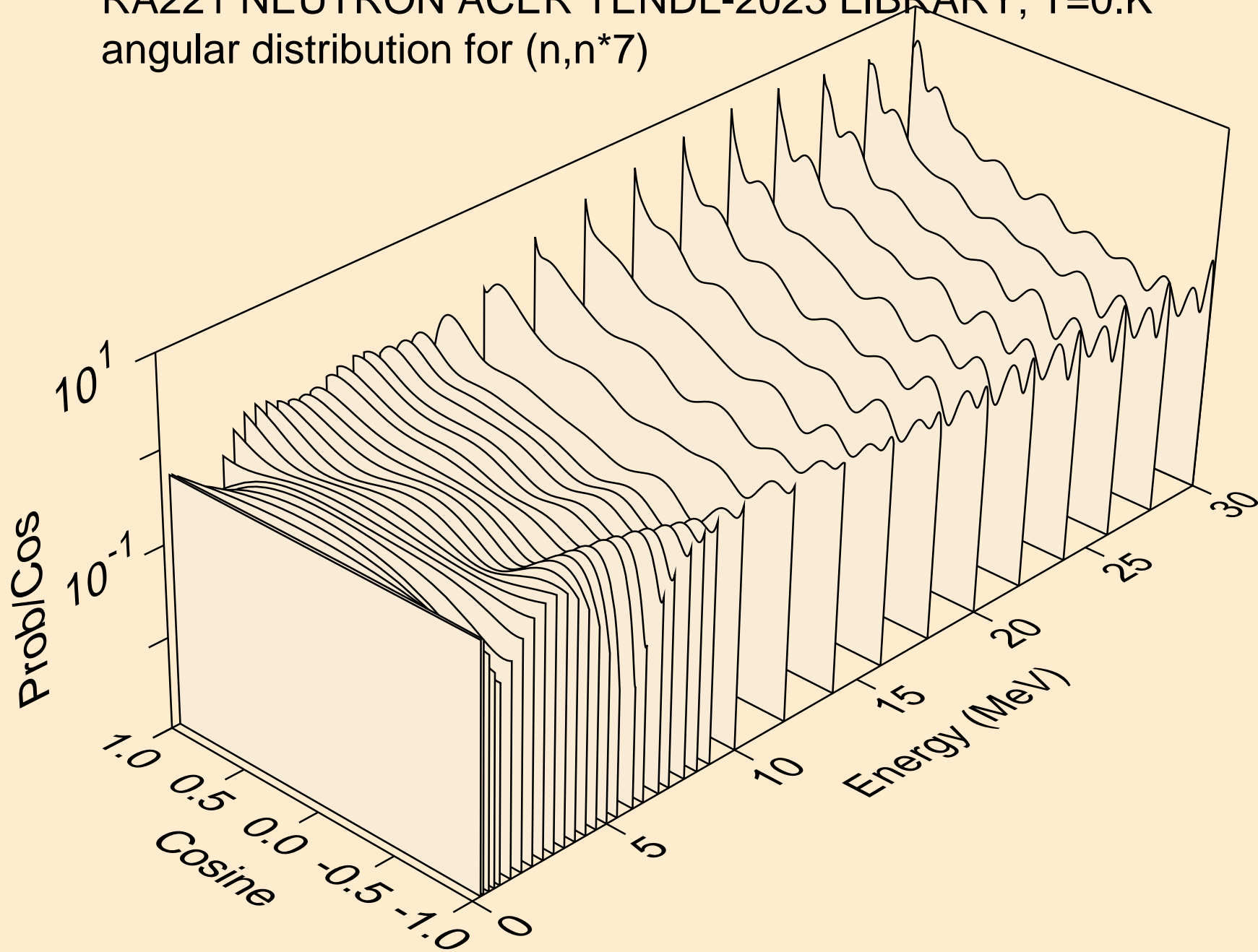
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*5)



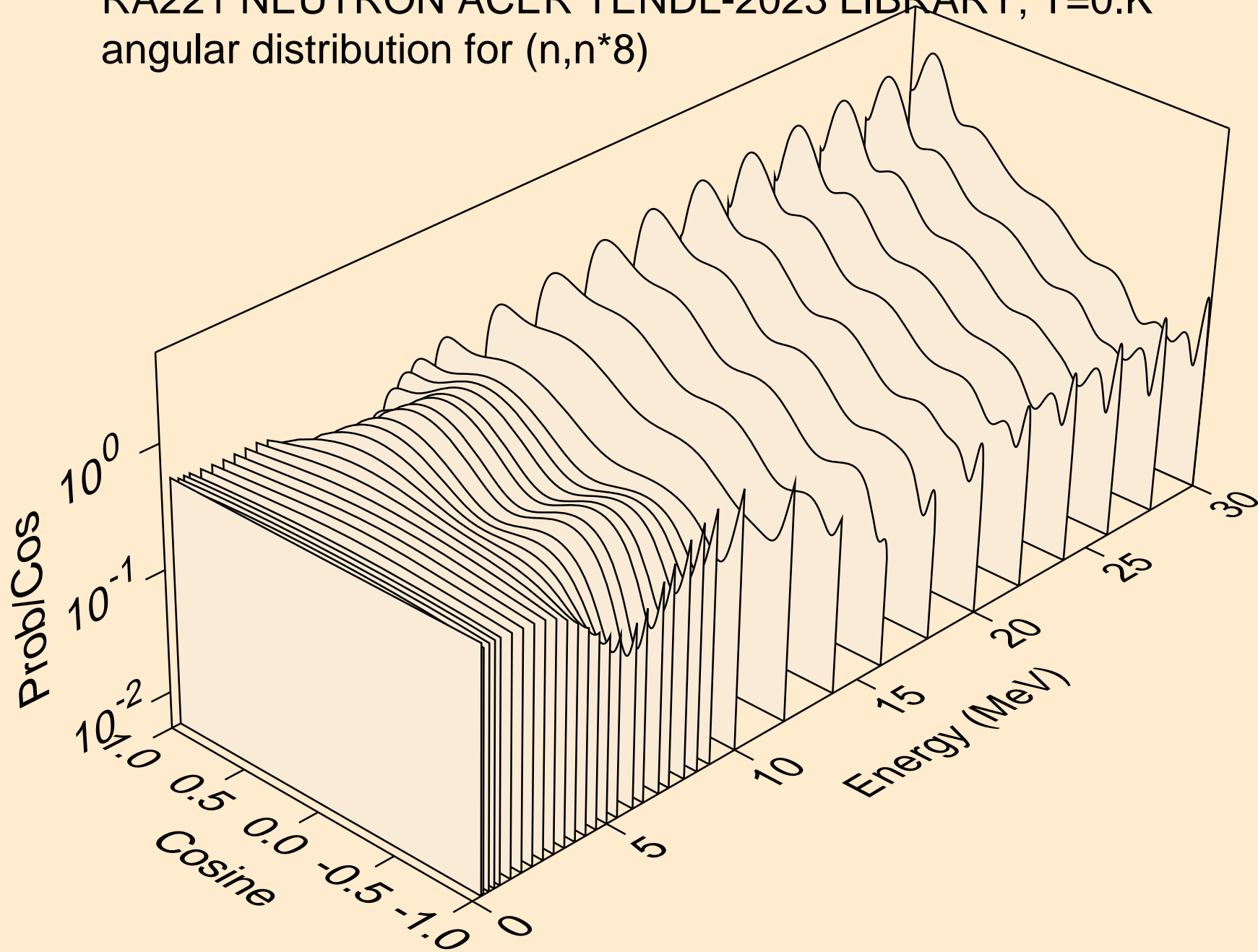
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*6)



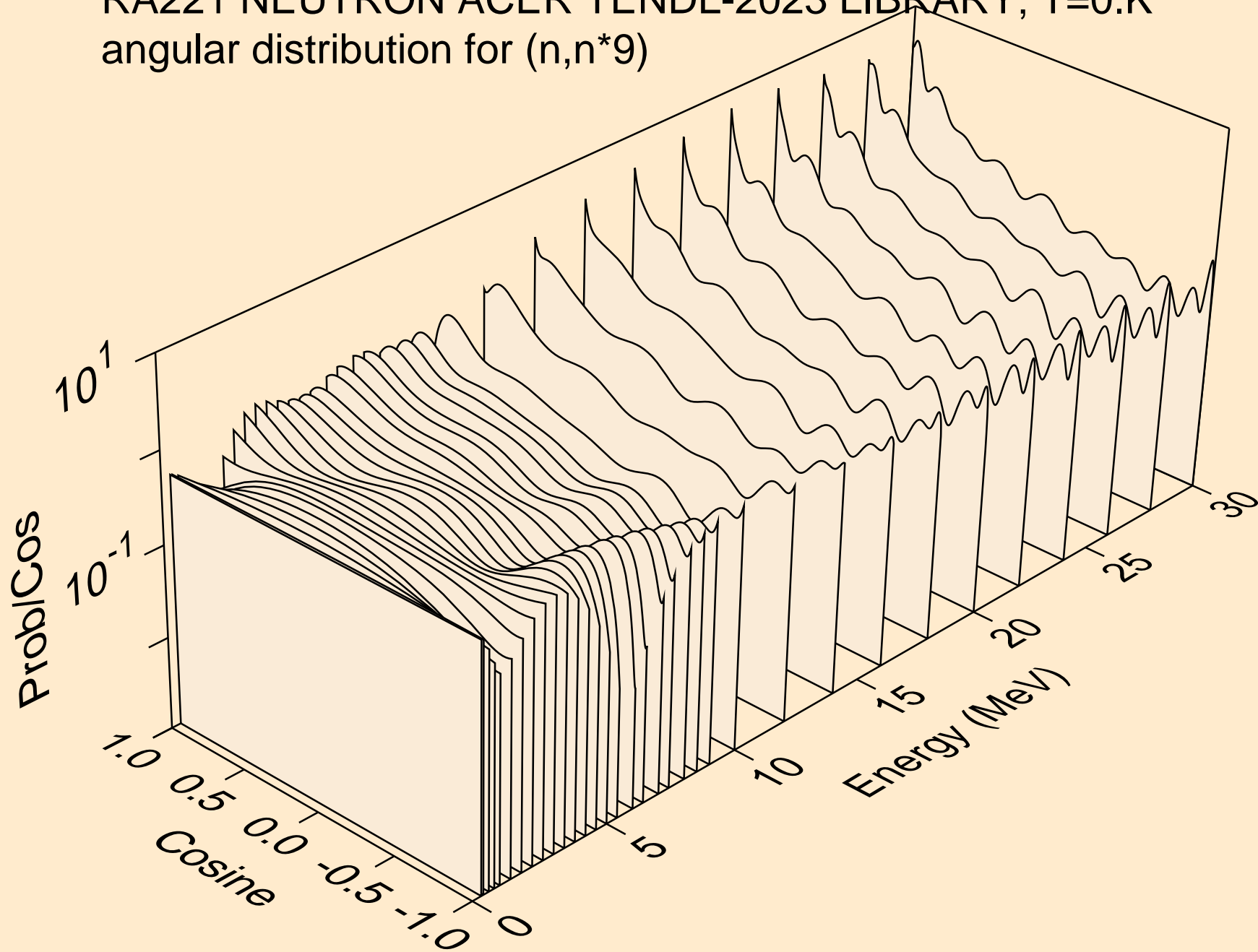
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*7)



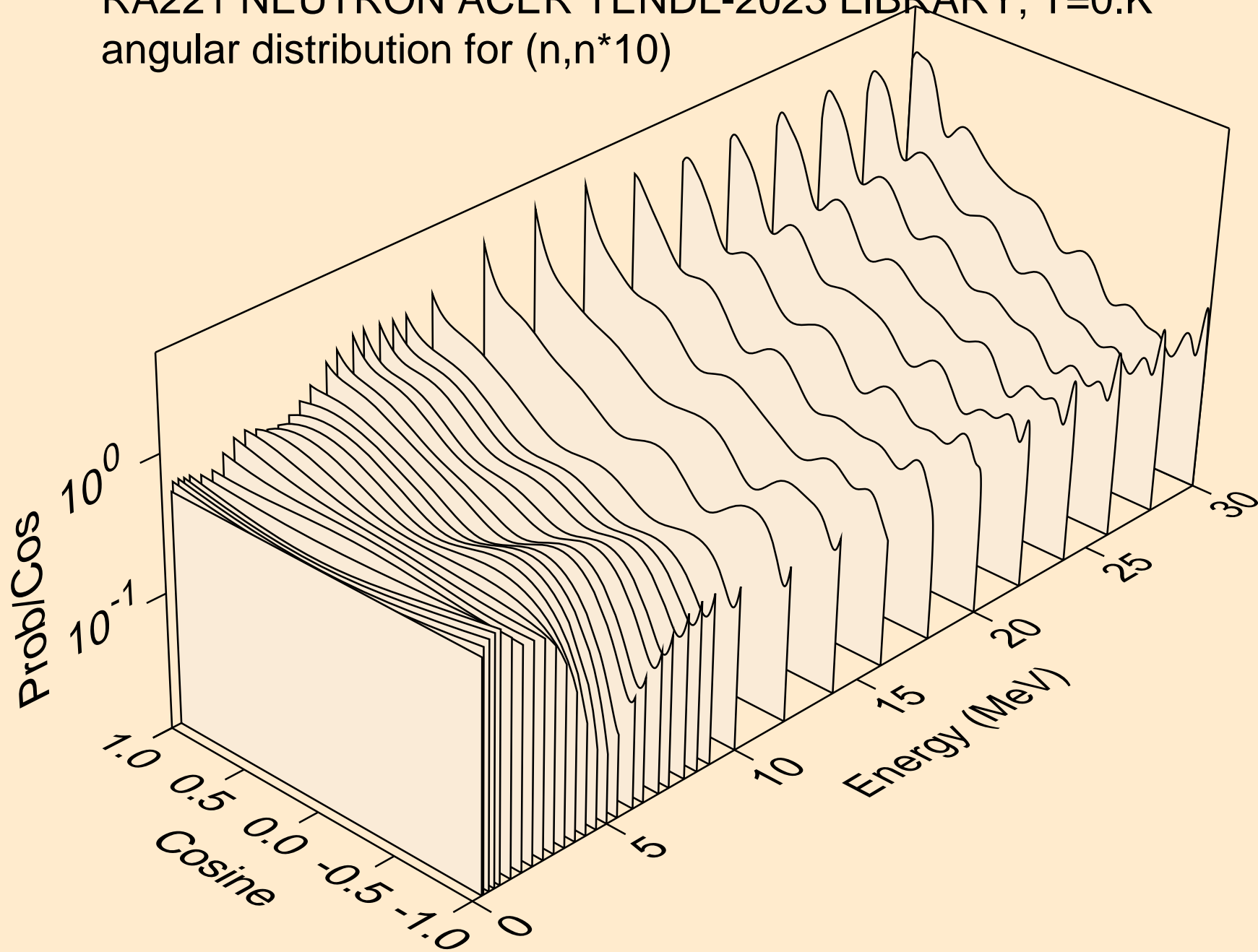
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*8)



RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*9)

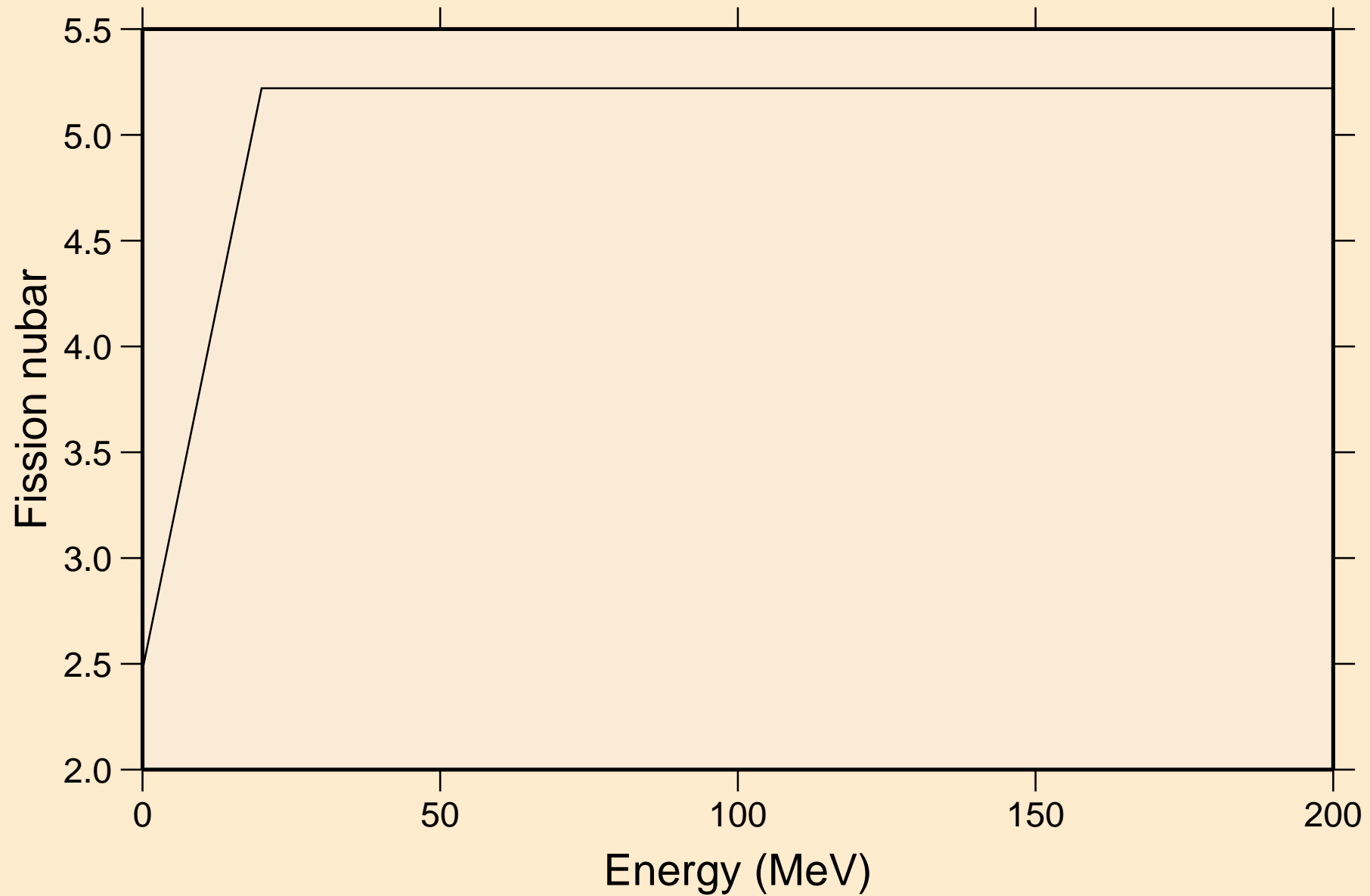


RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*10)

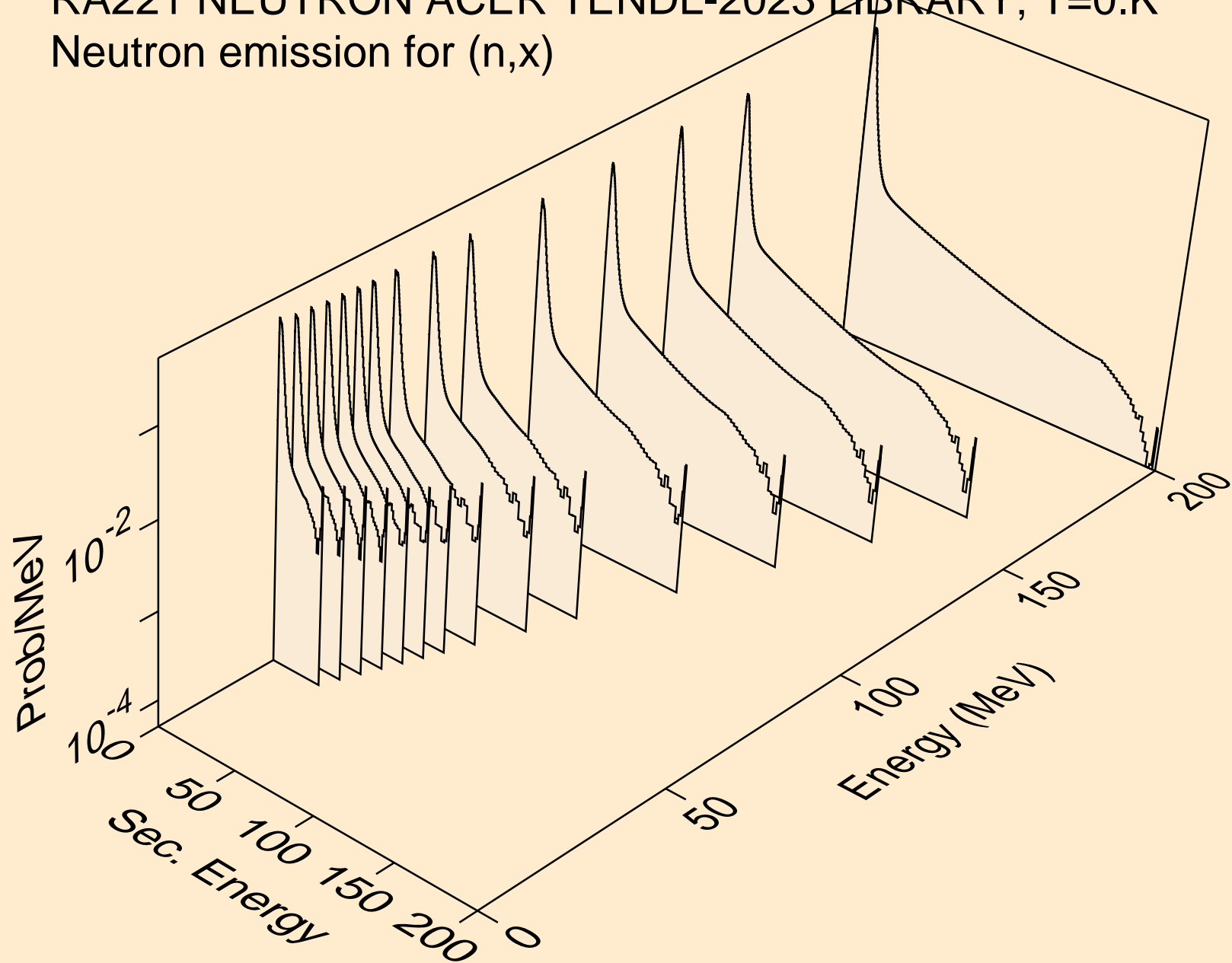


RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

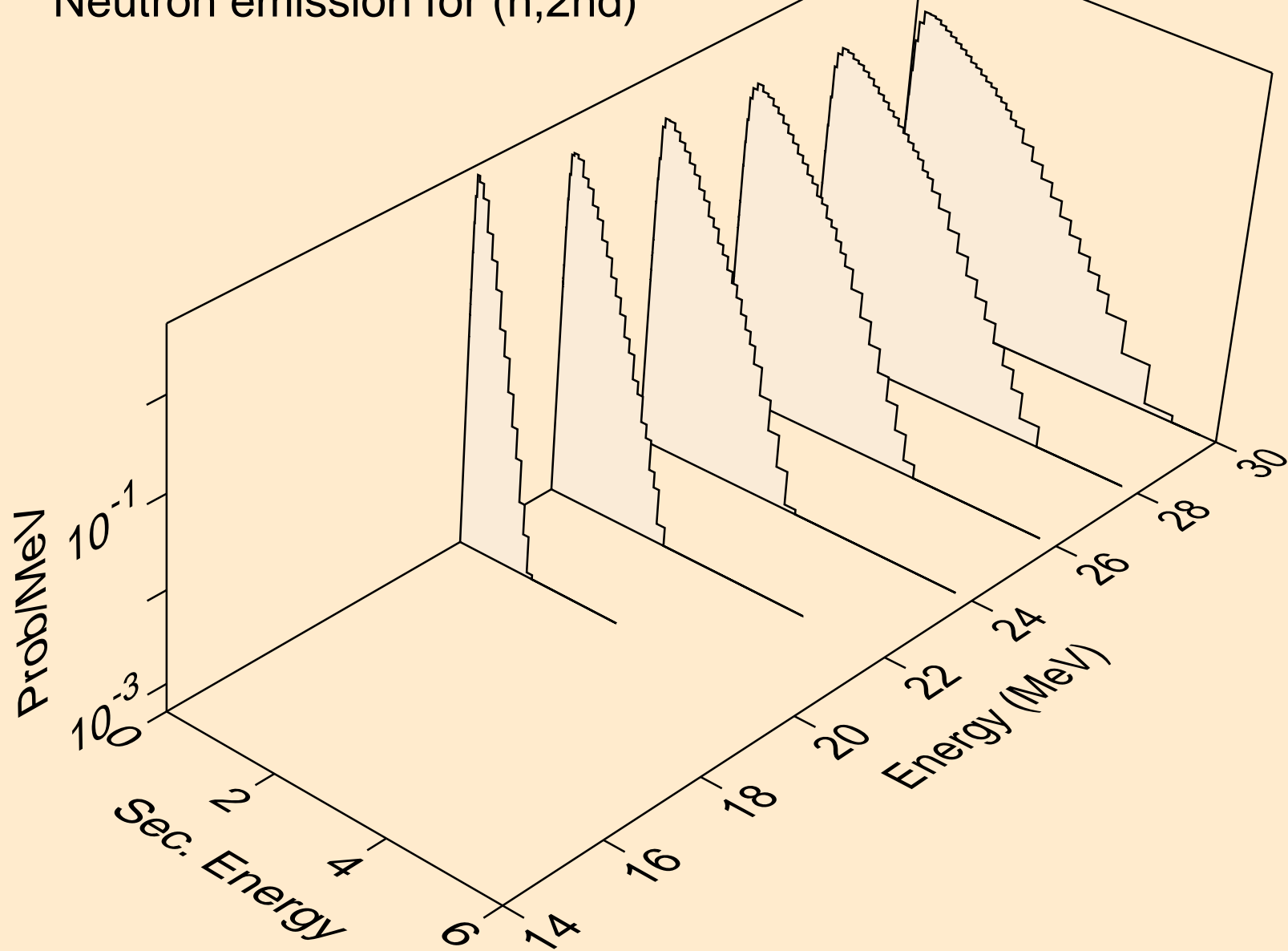
Total fission nubar



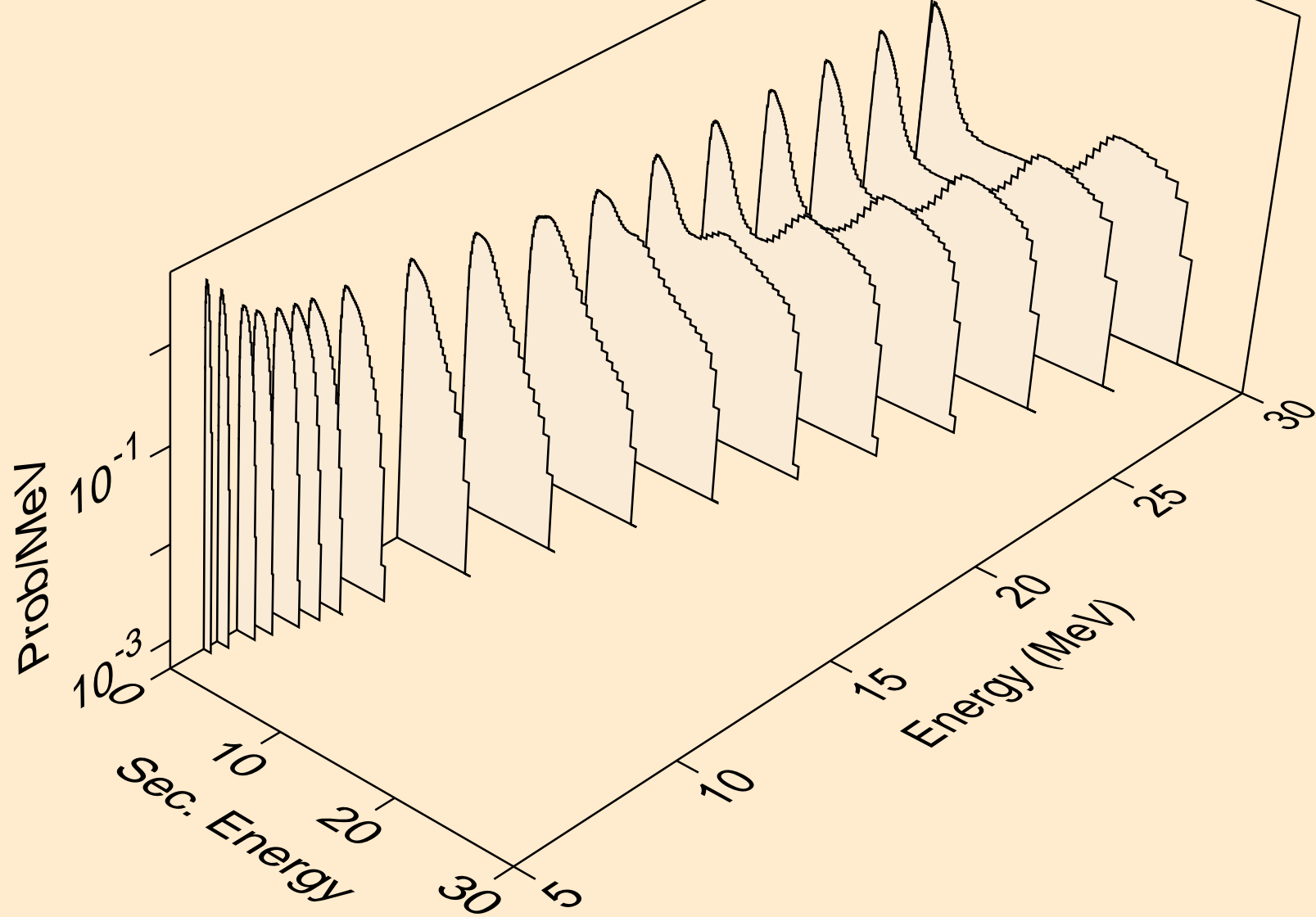
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,x)



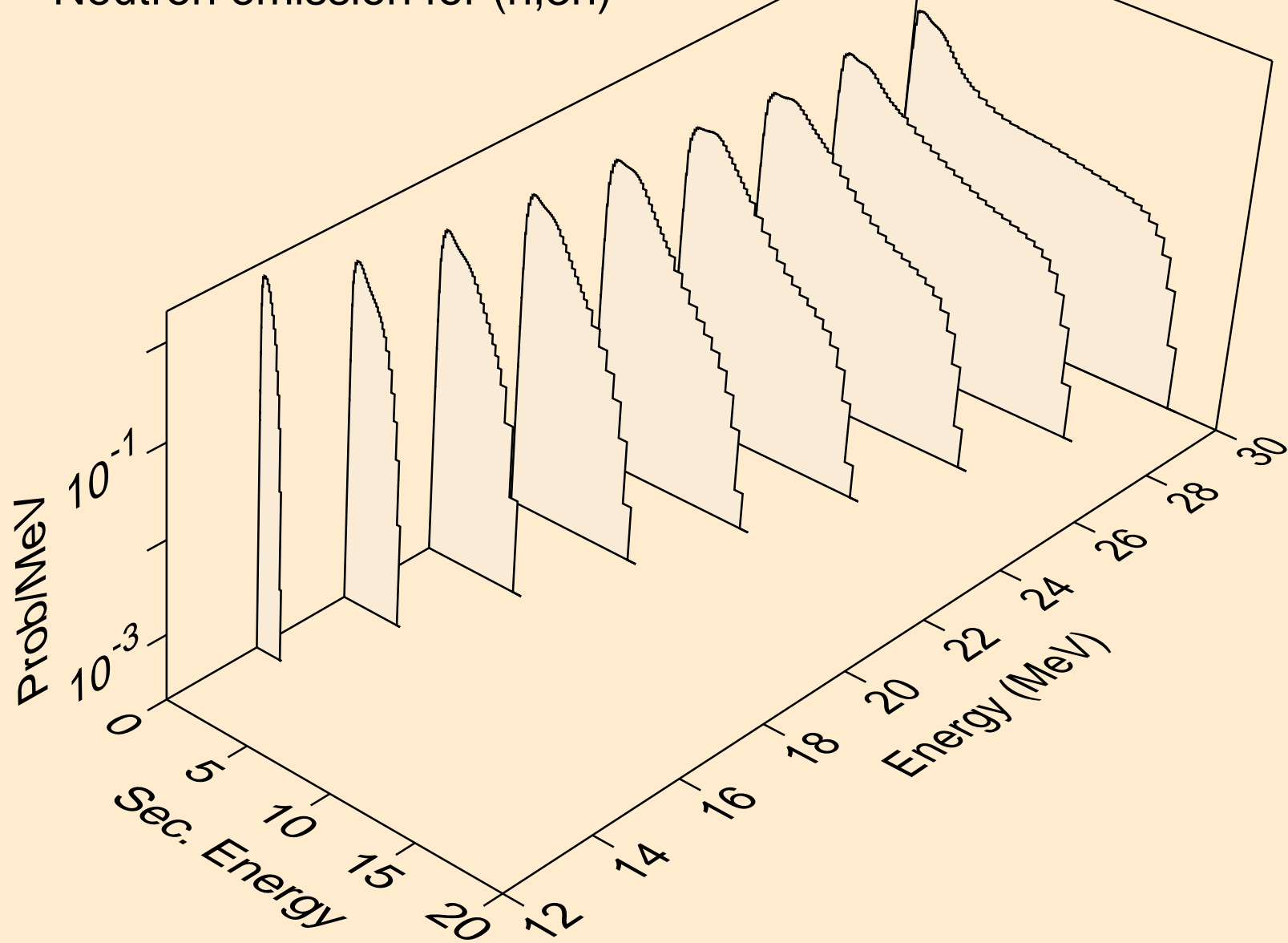
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



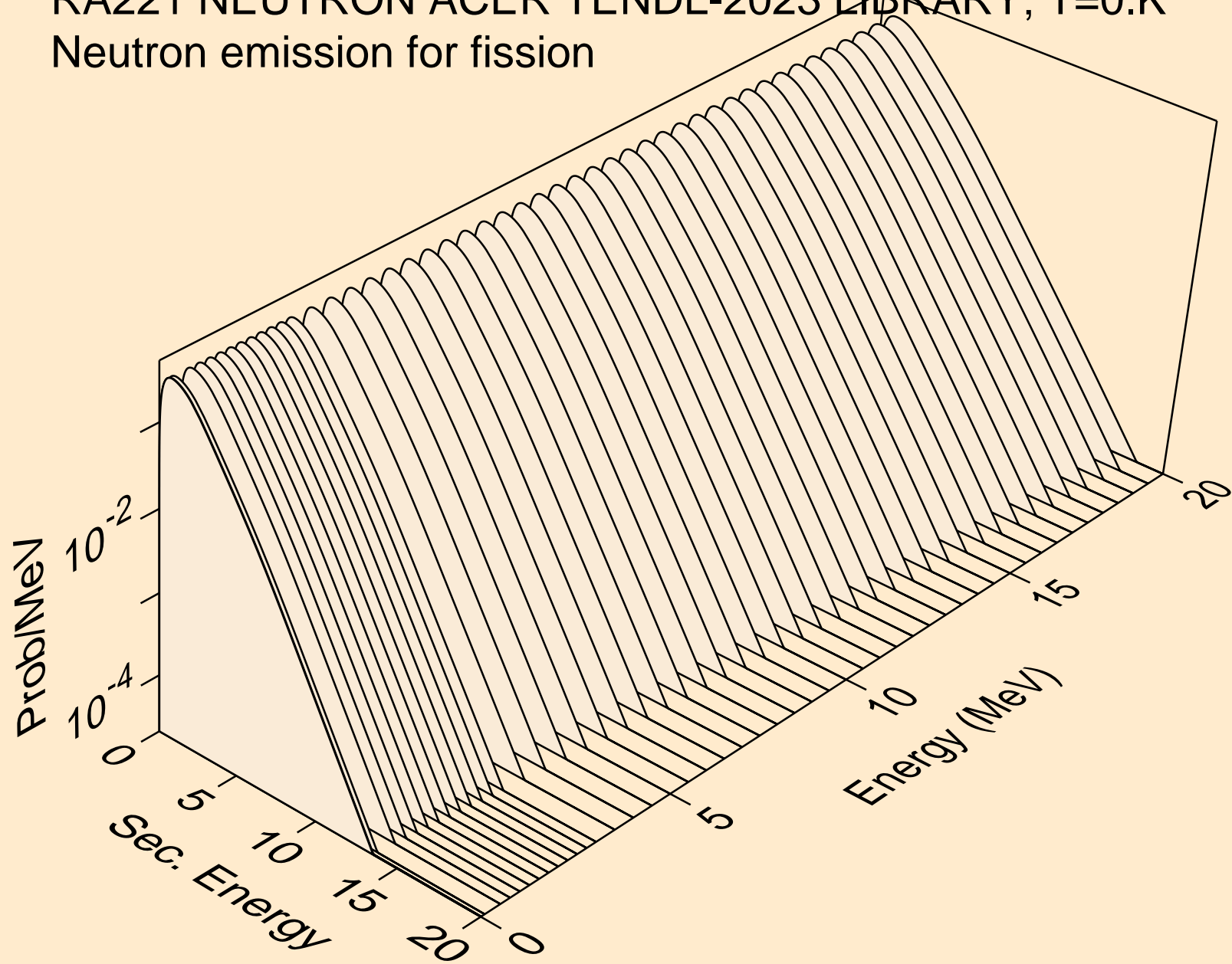
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)



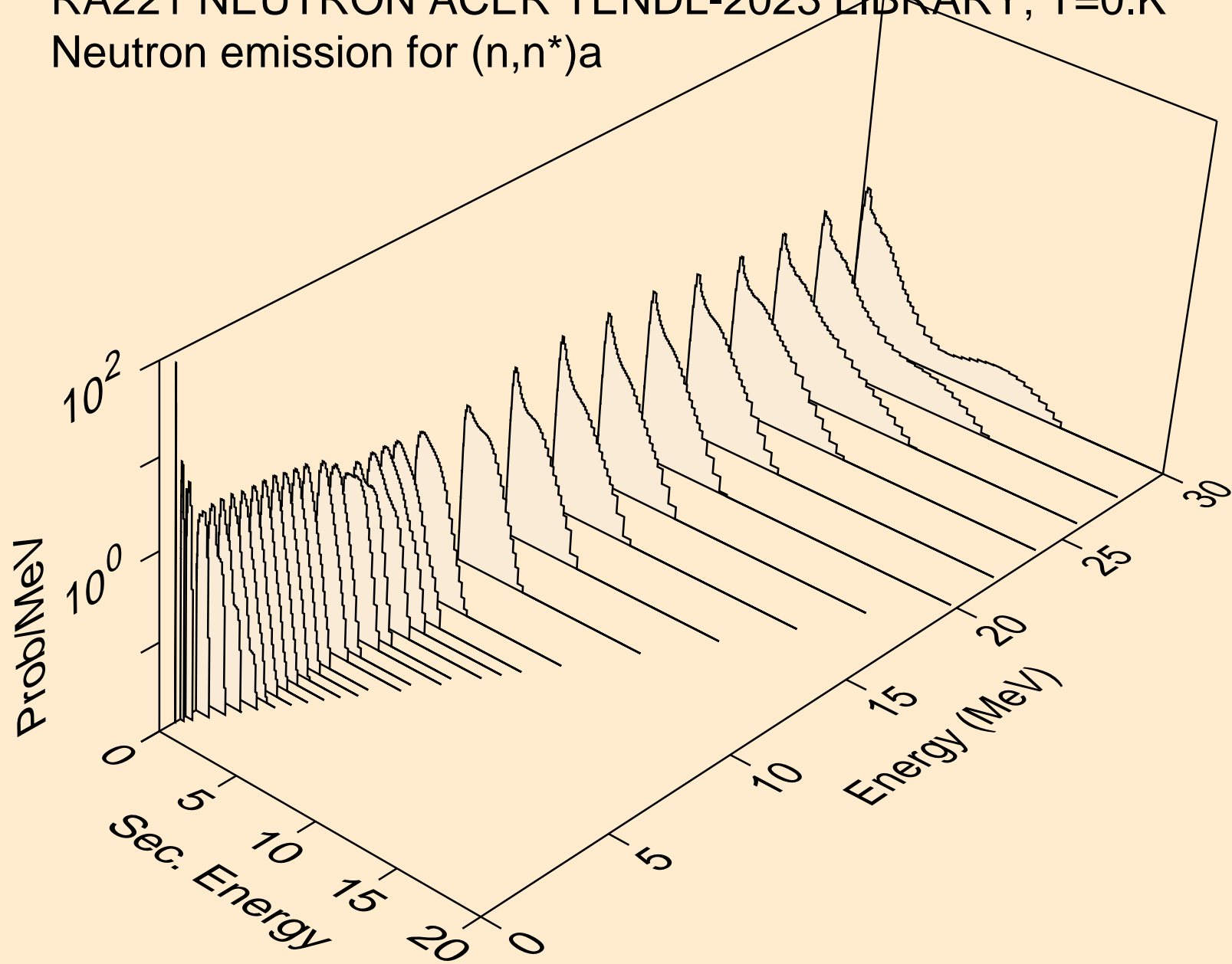
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)



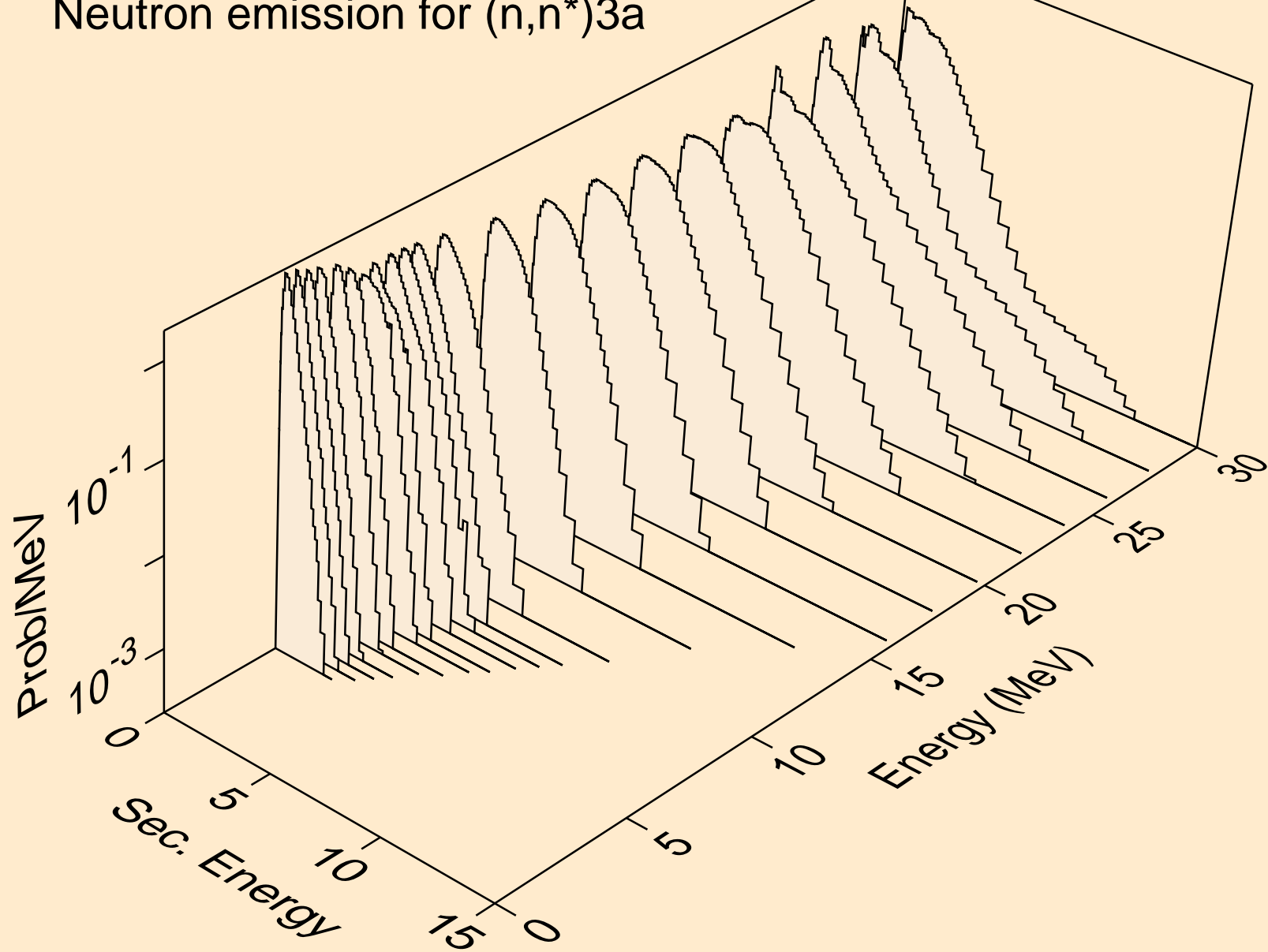
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for fission



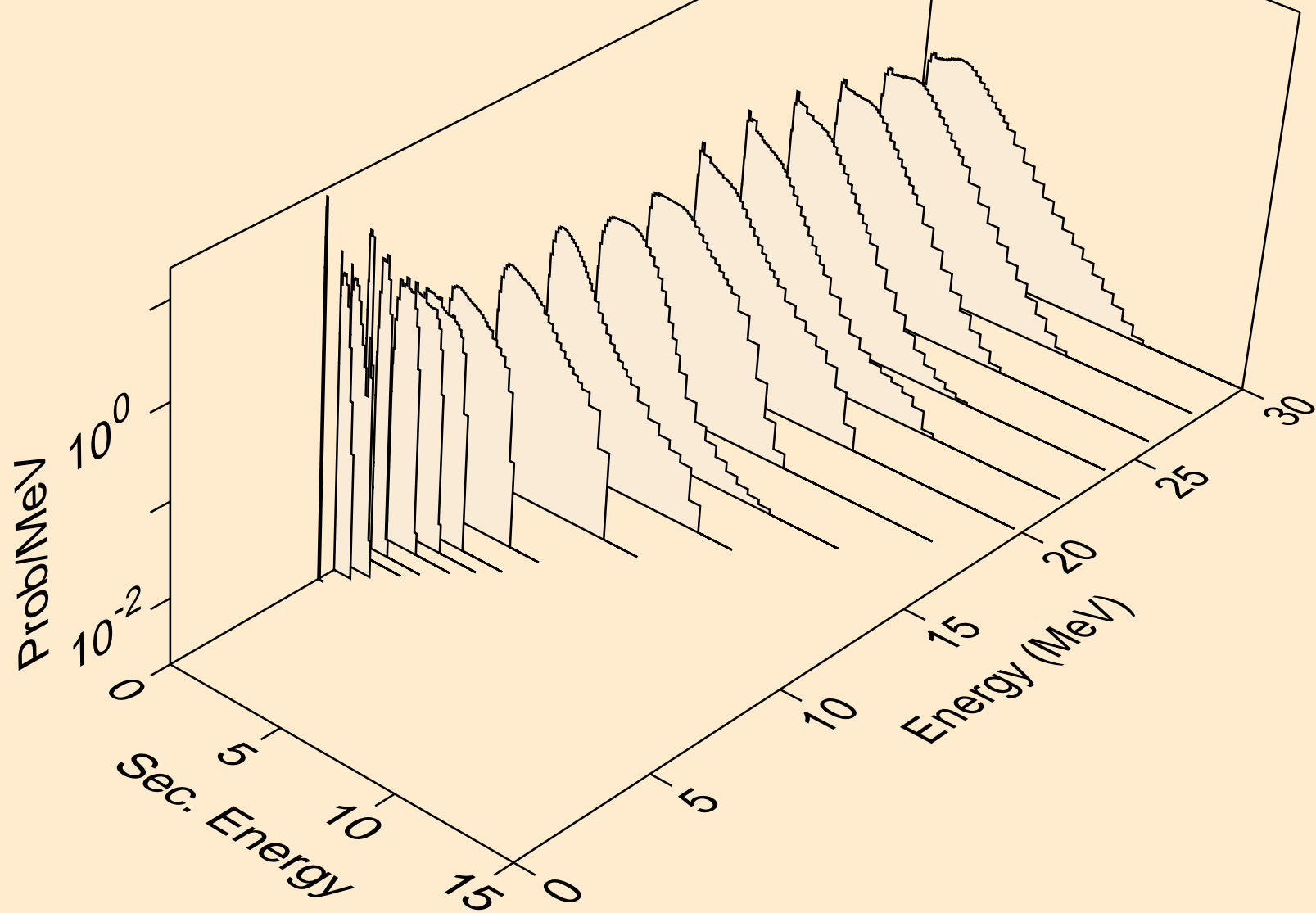
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



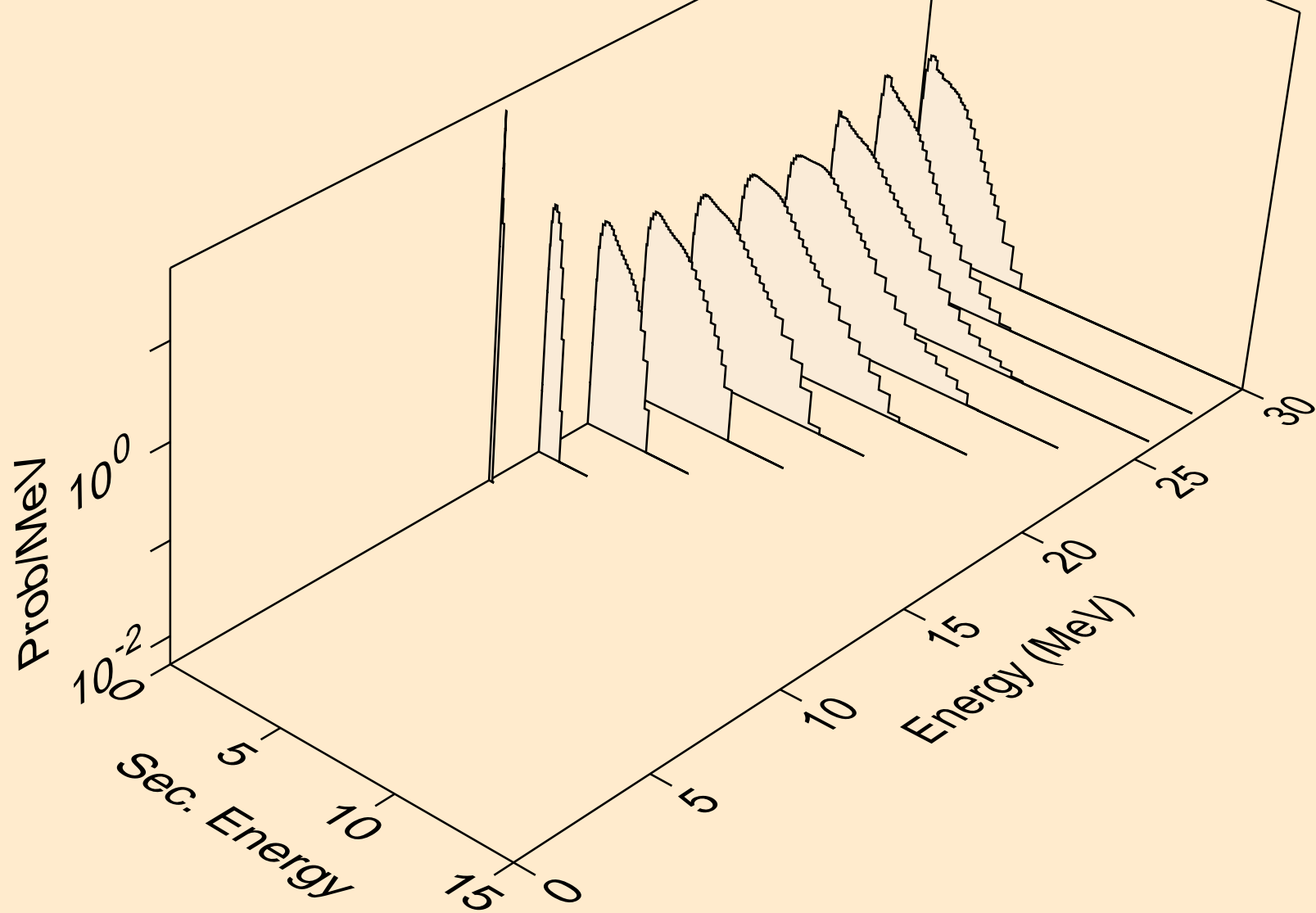
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)3a



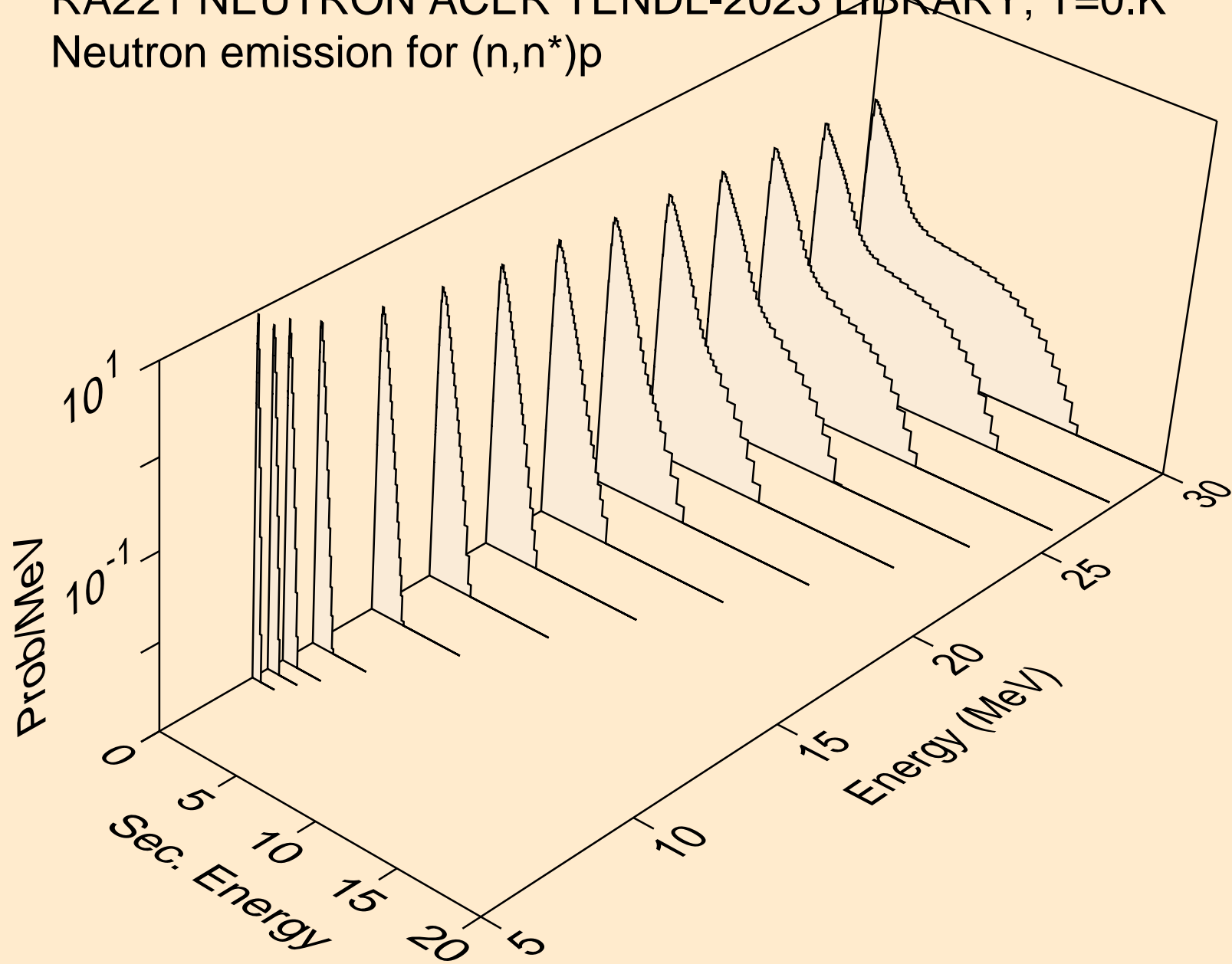
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)a



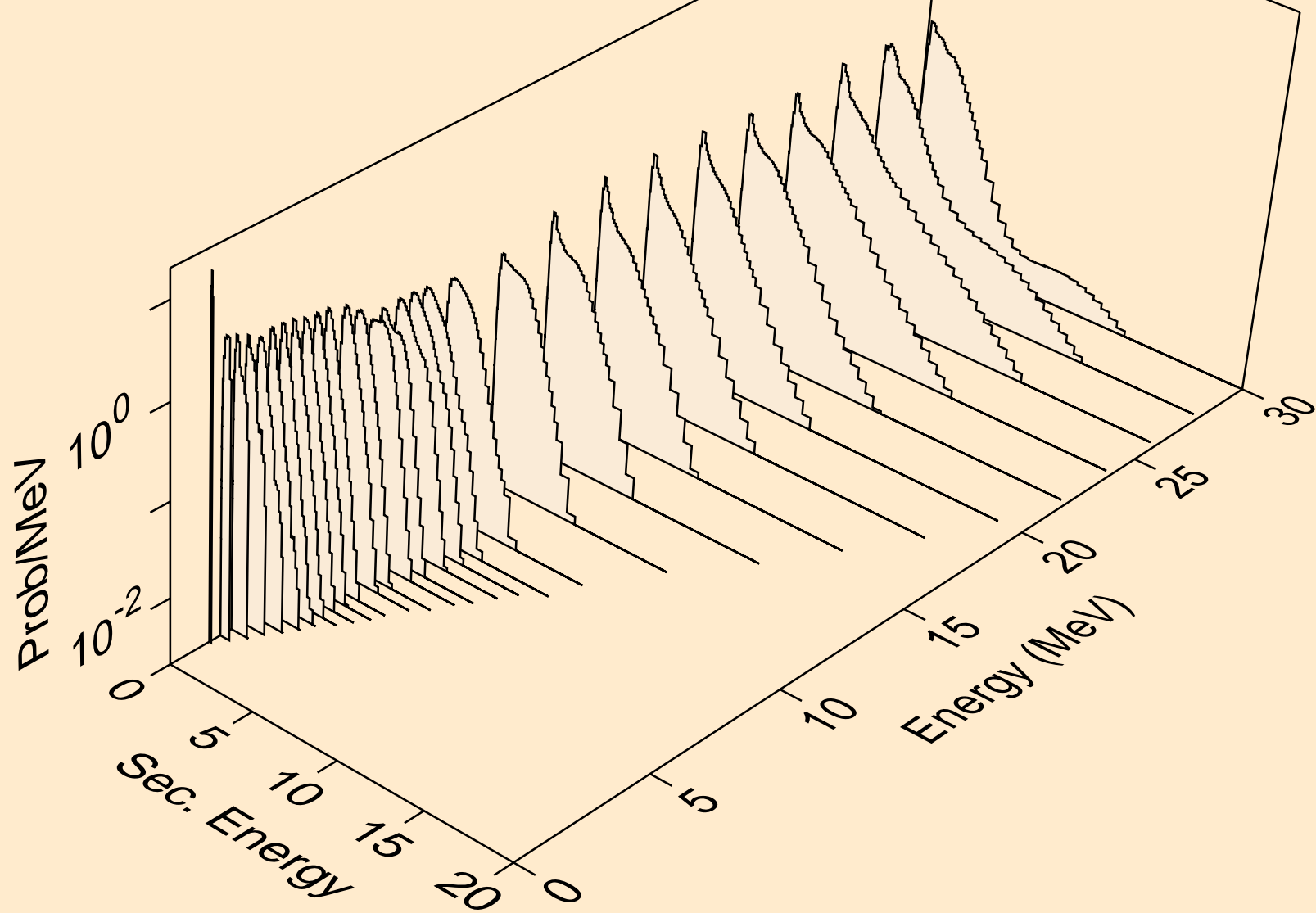
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)a



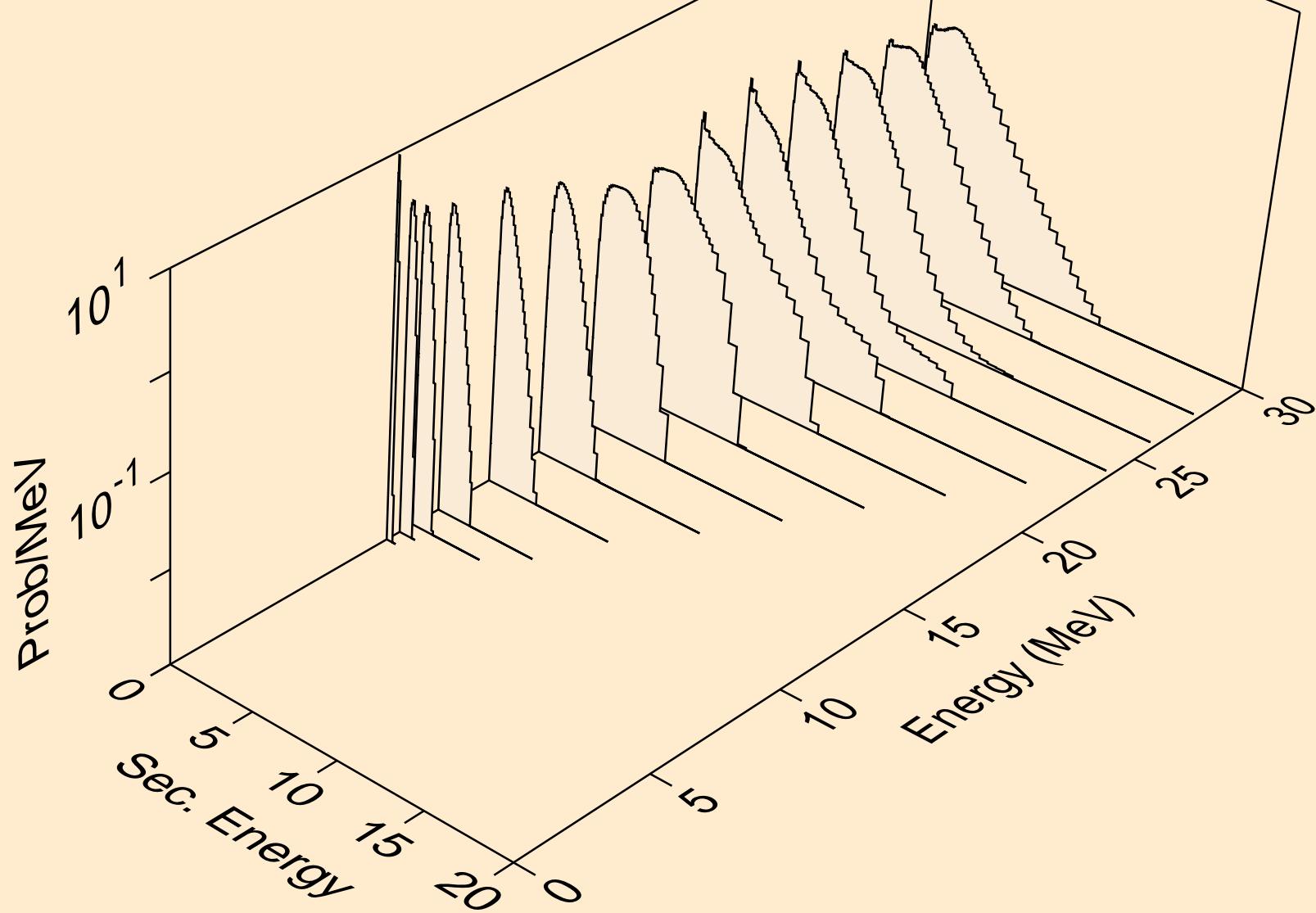
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



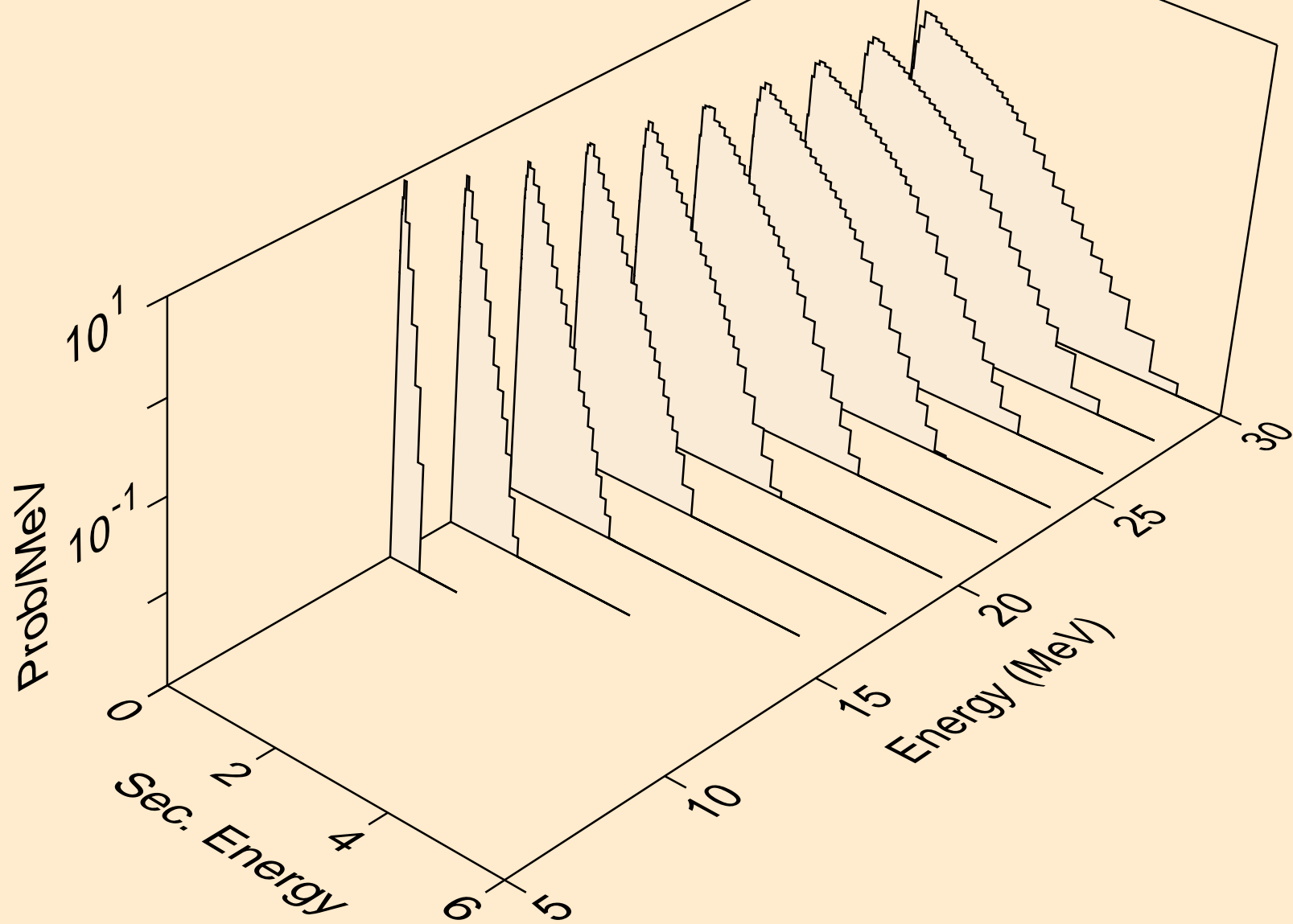
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)2a



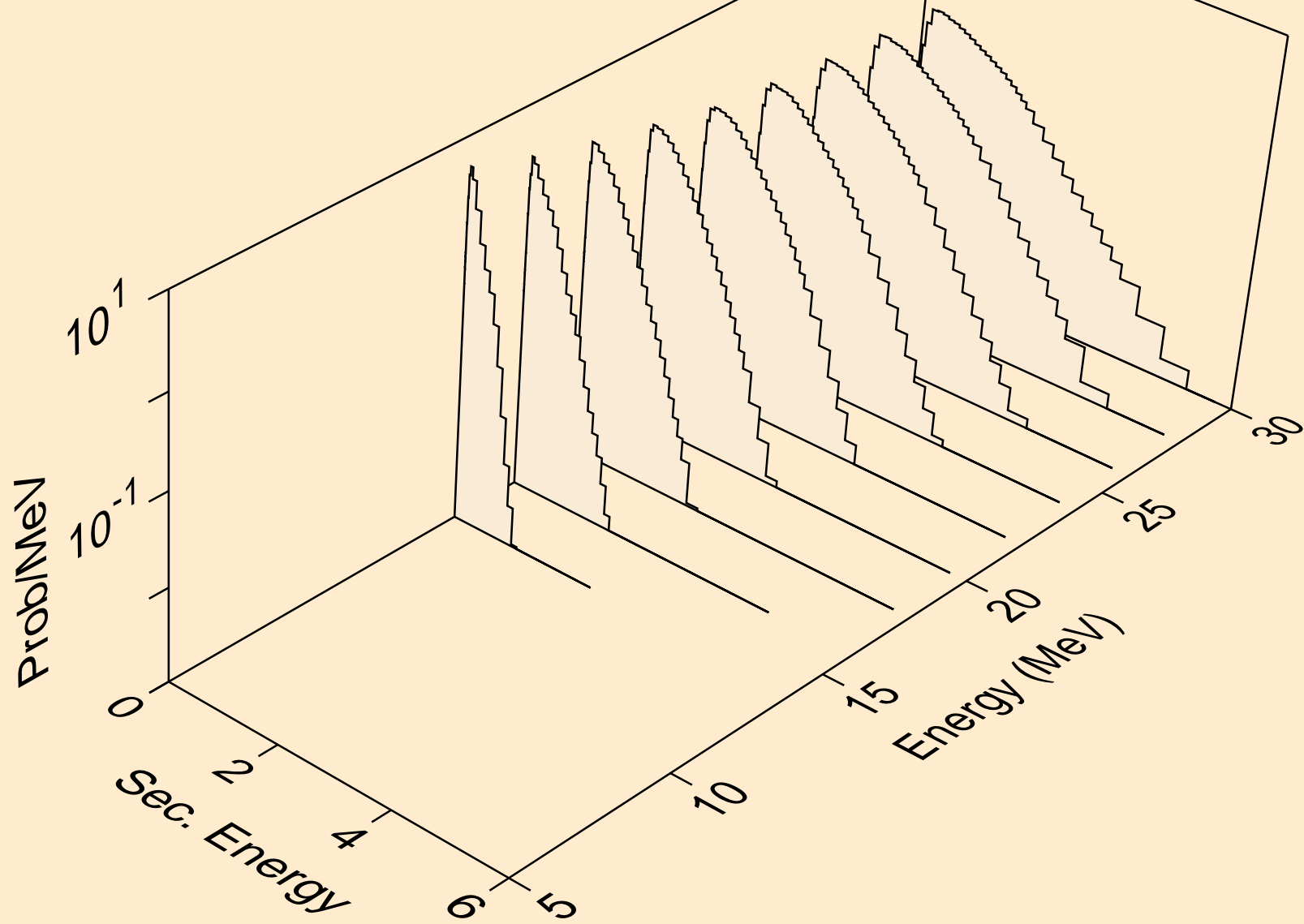
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)2a



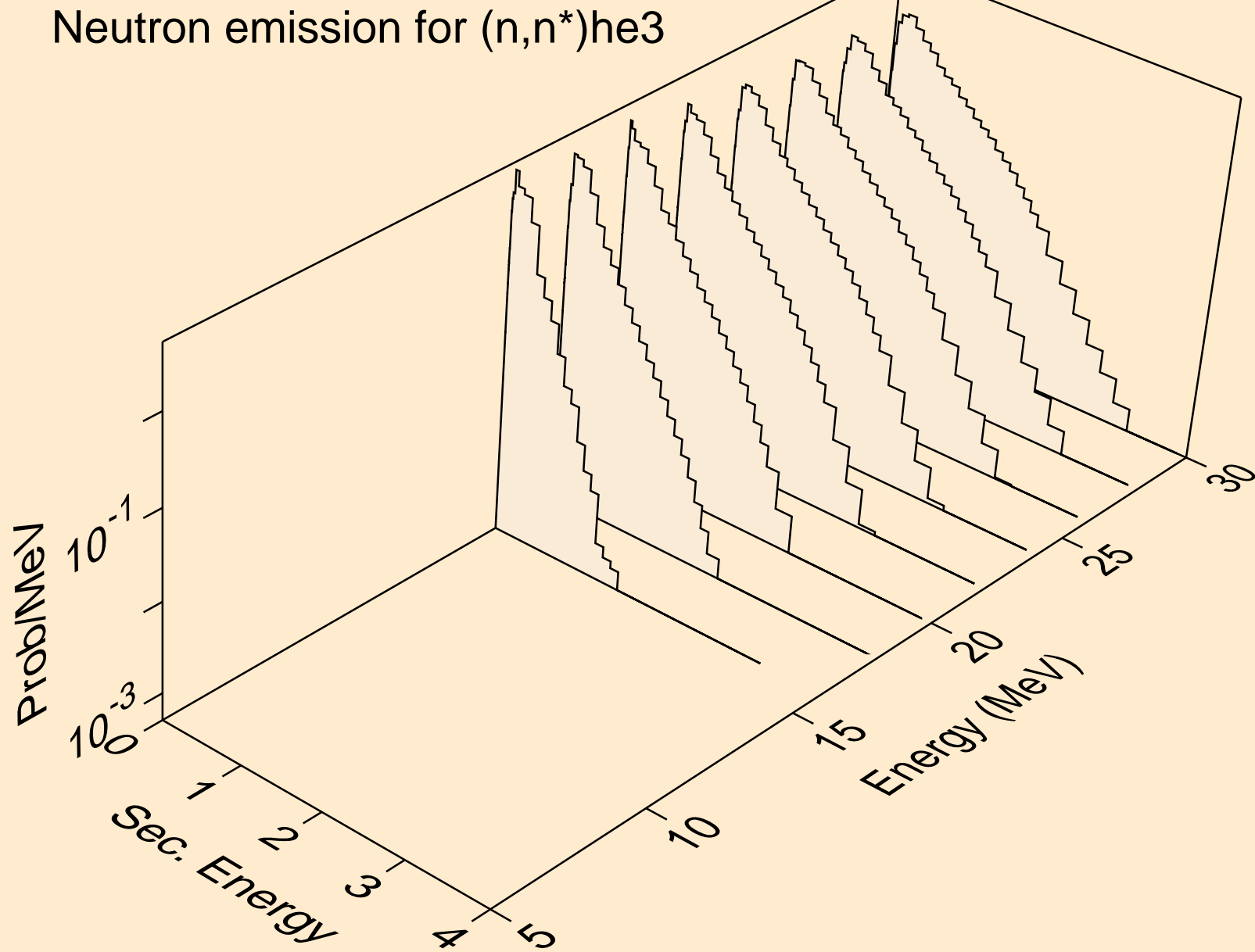
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d



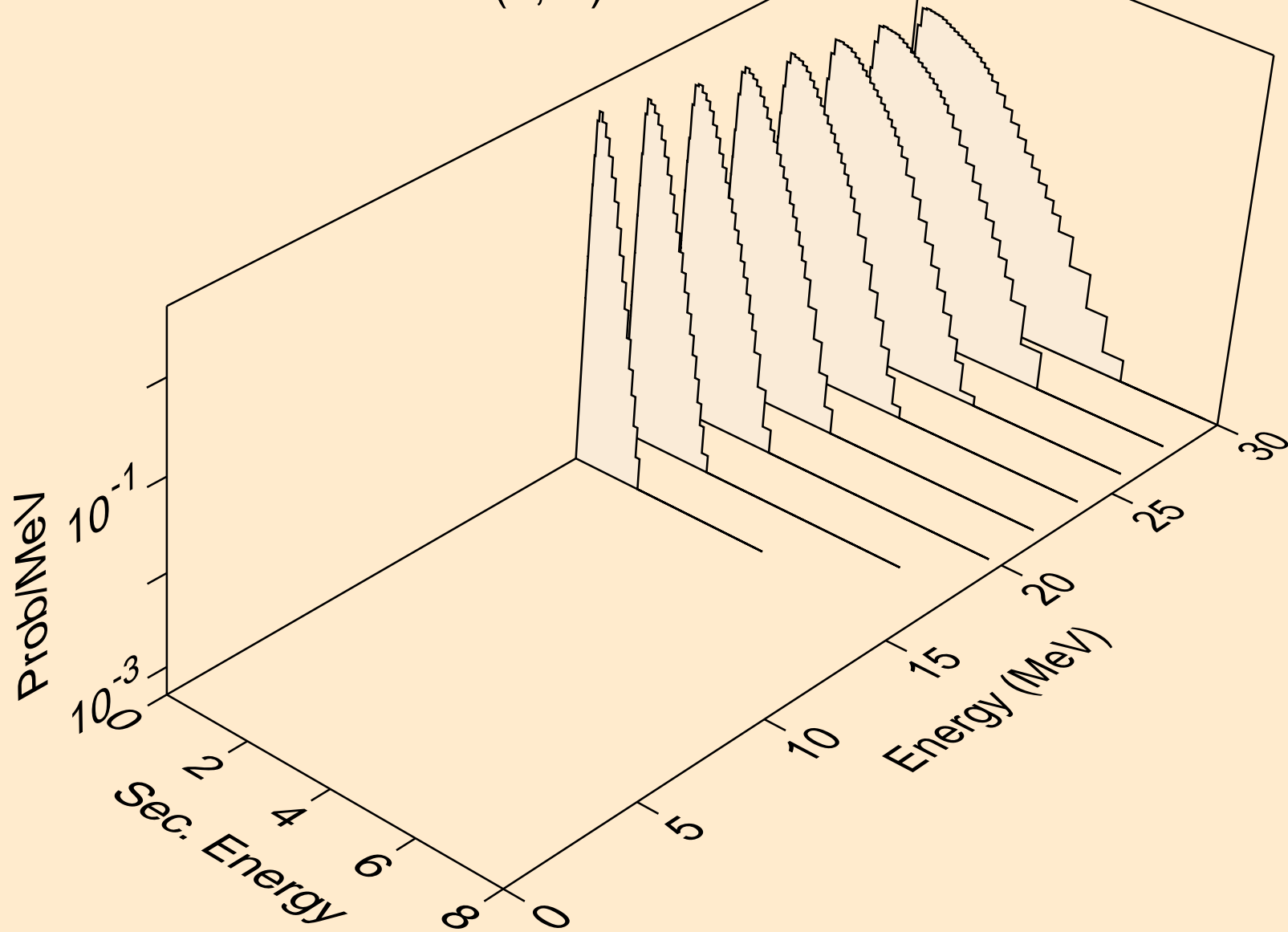
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



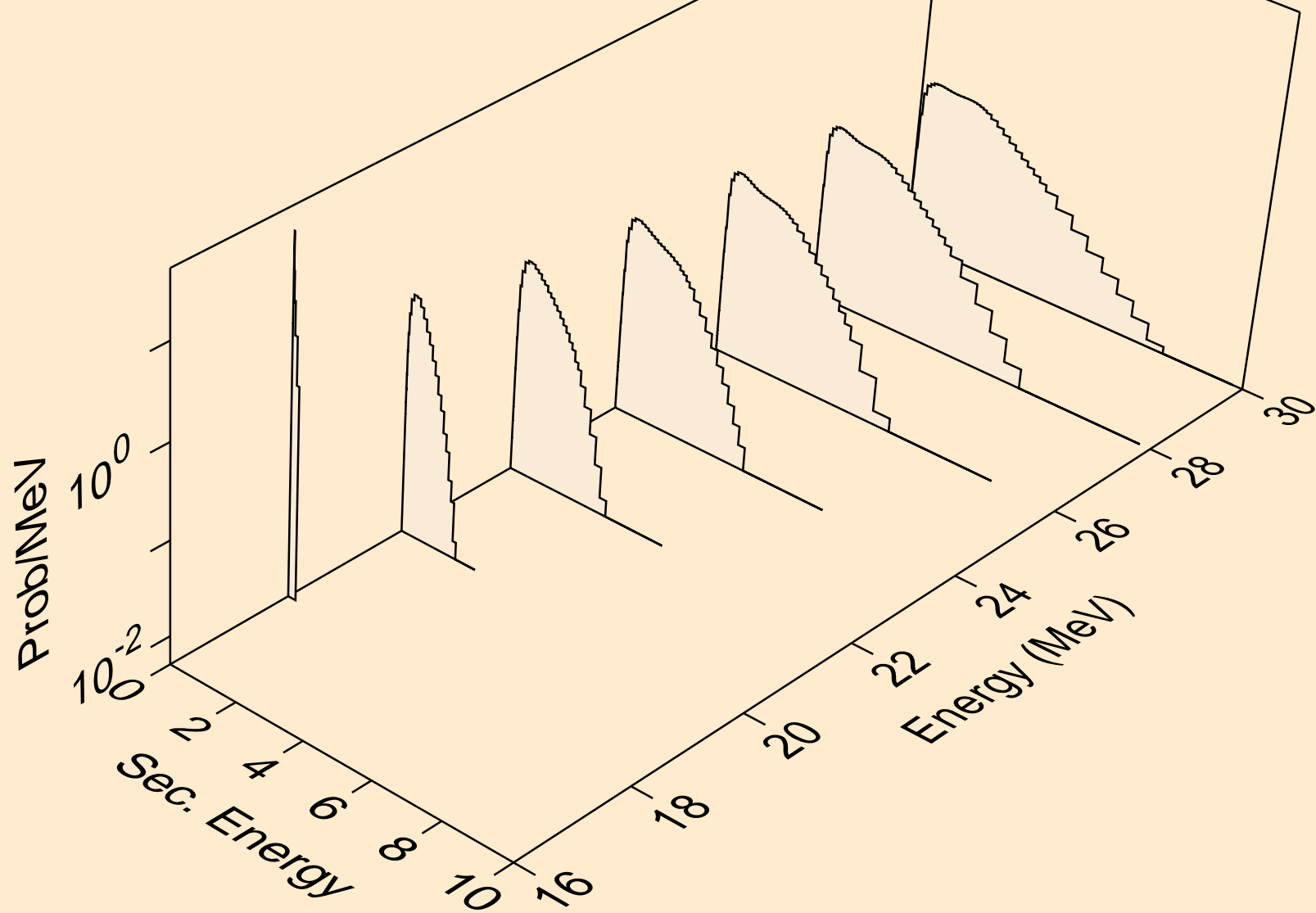
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



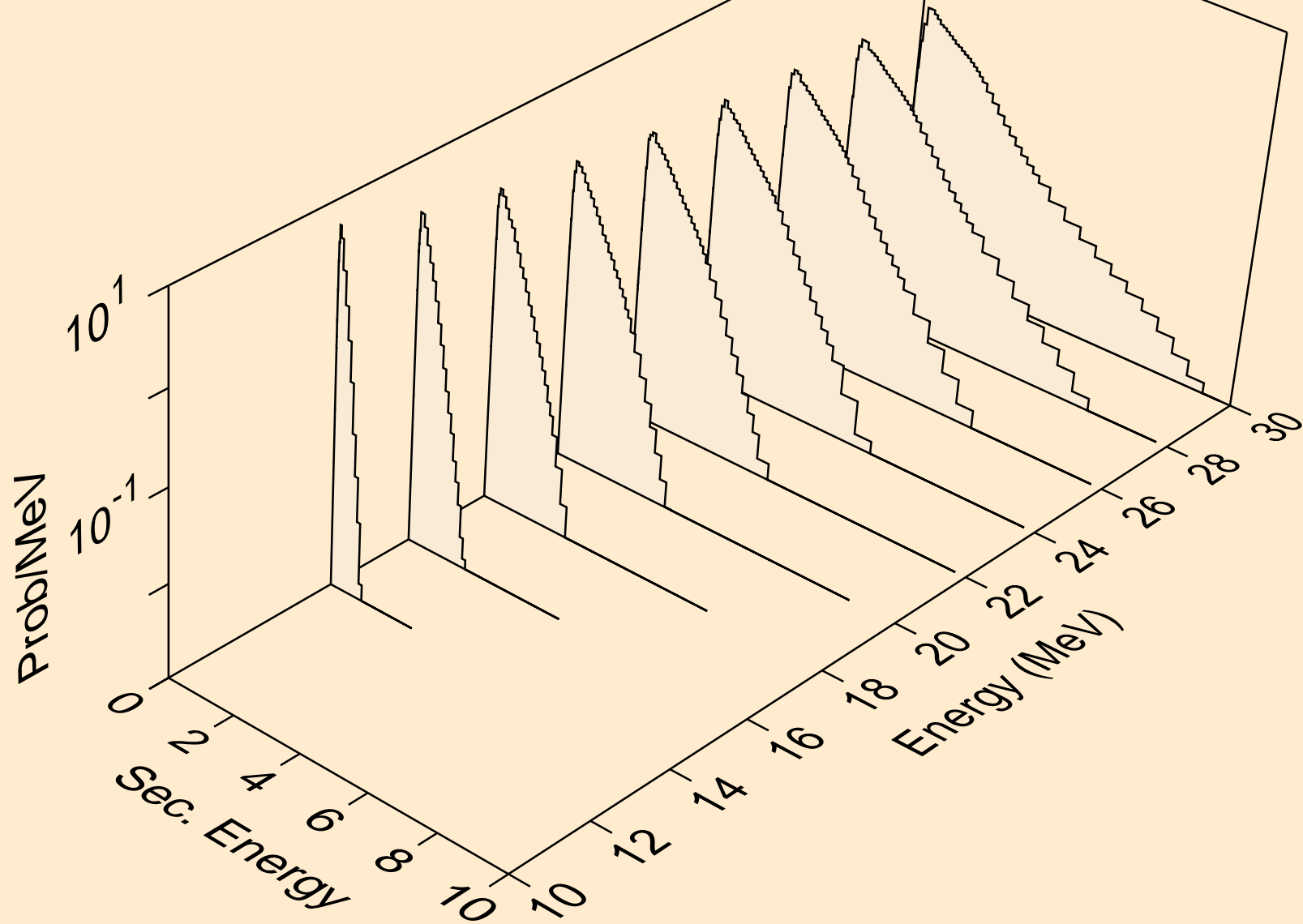
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t2a



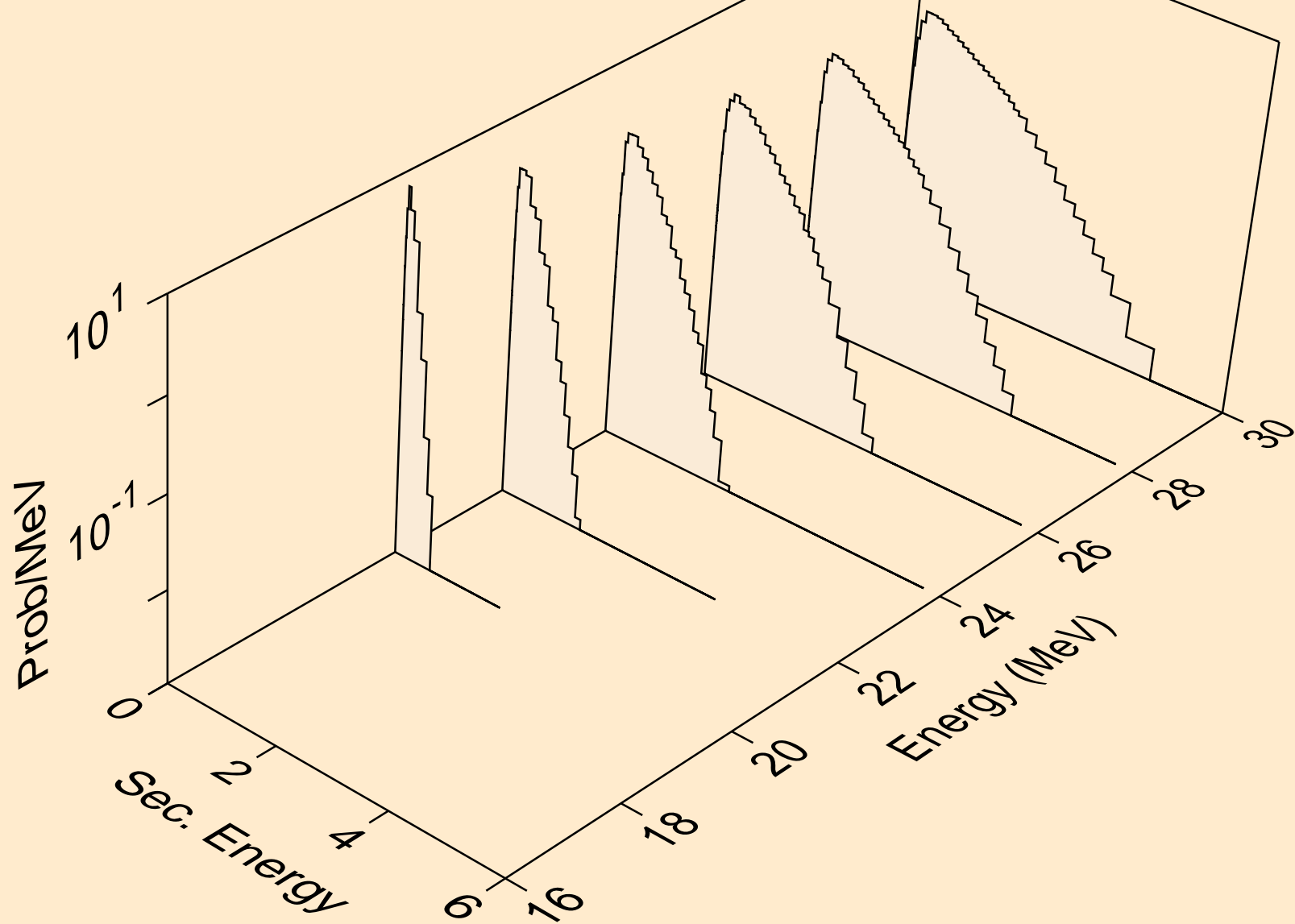
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,4n)



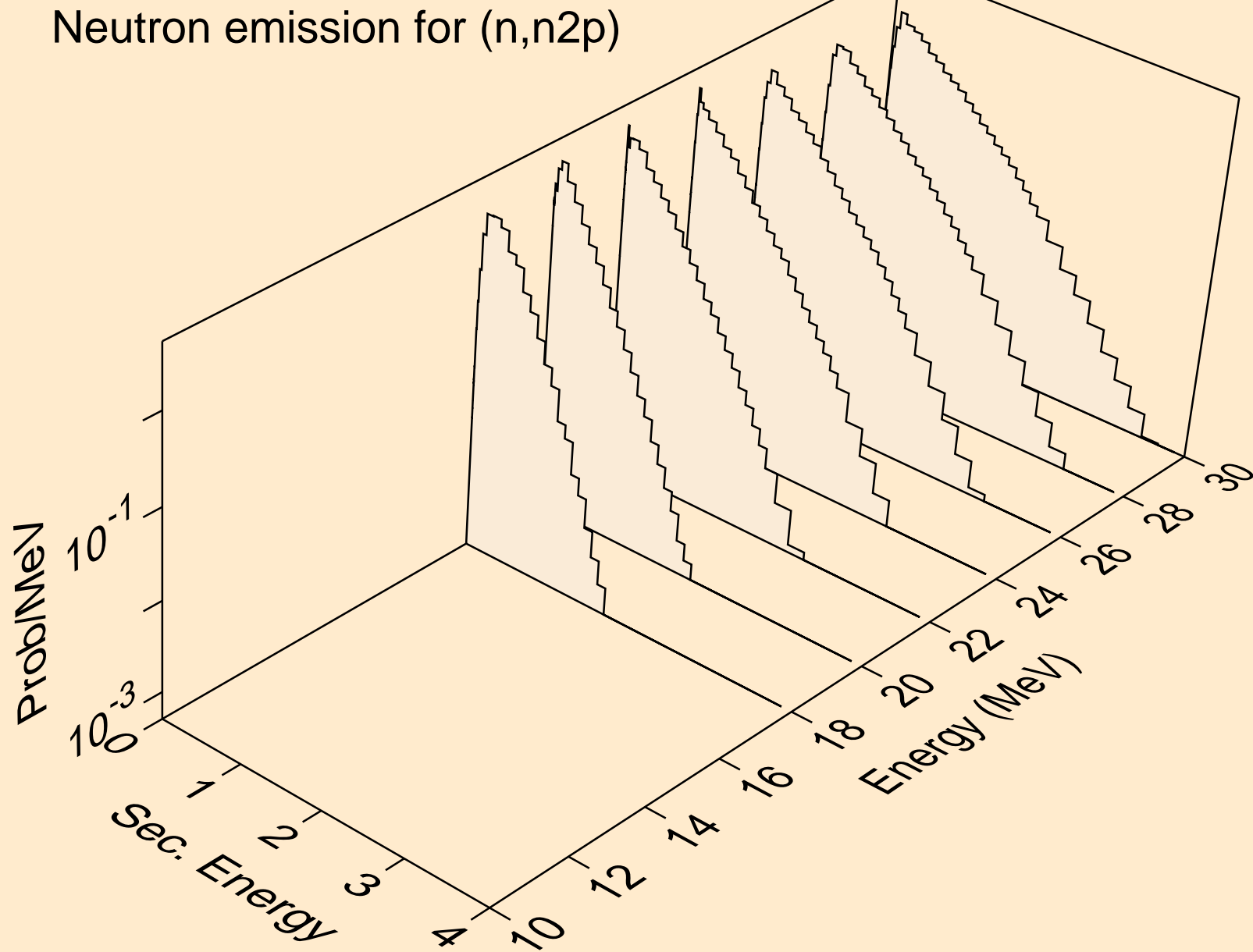
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2np)



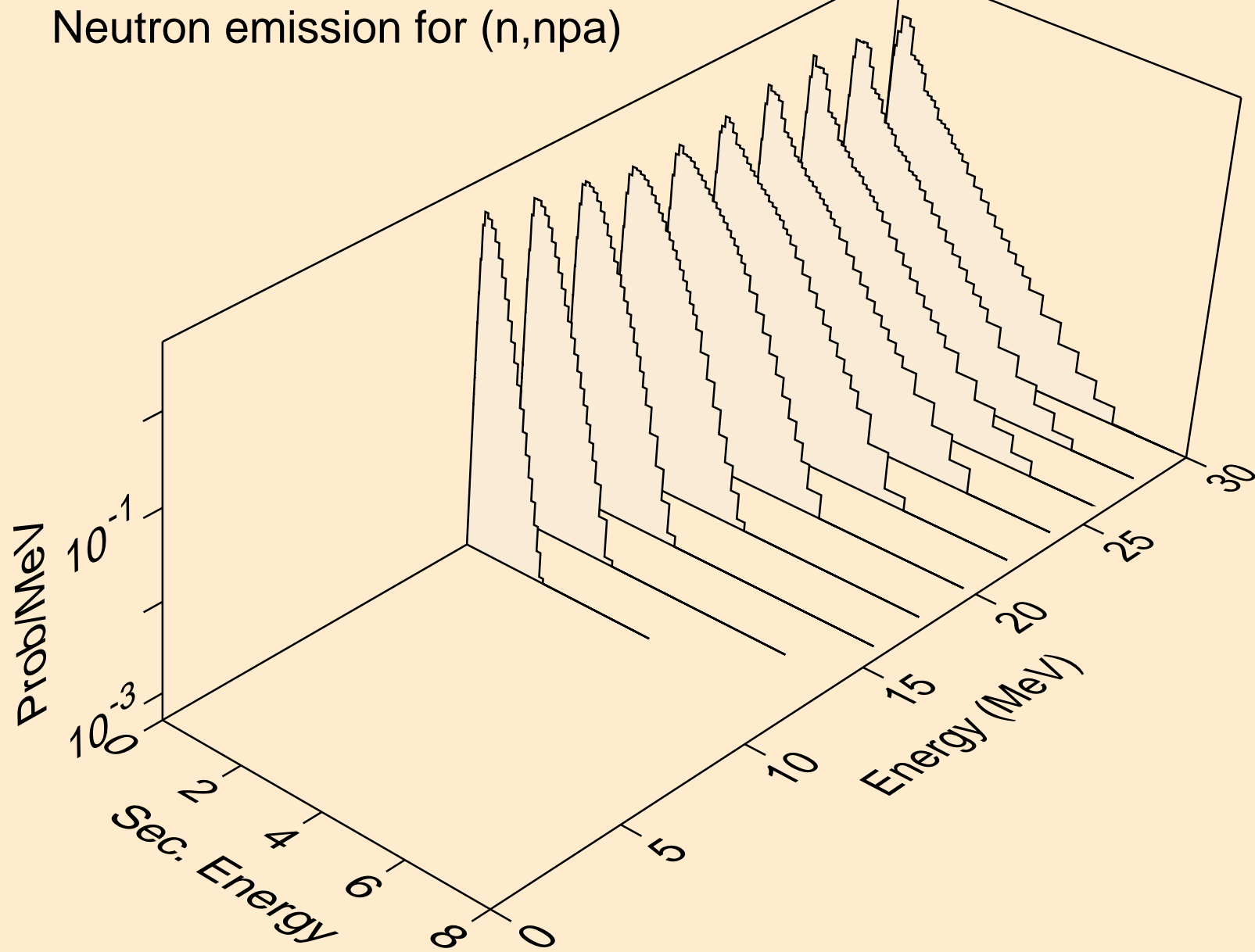
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3np)



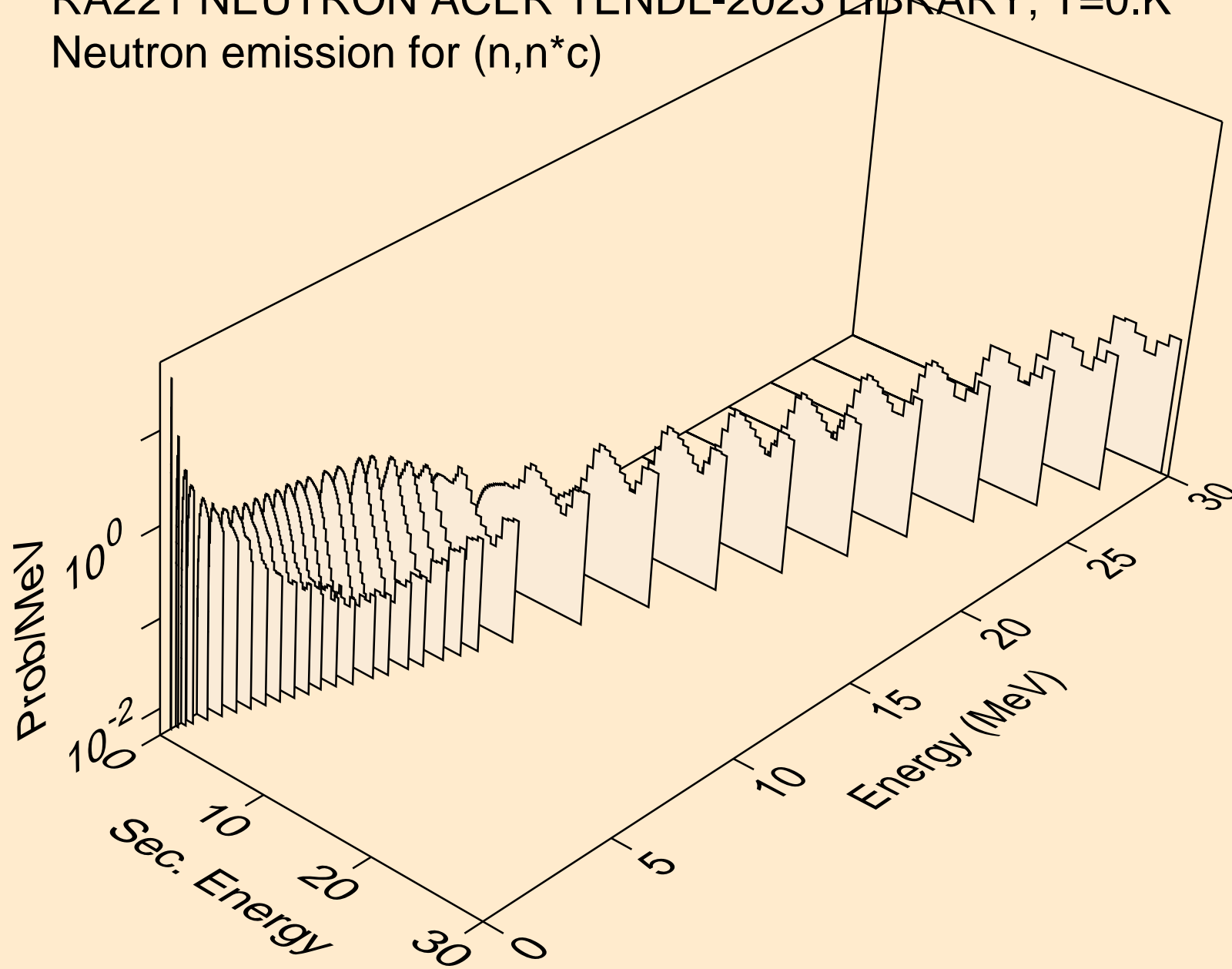
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n2p)



RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,npa)

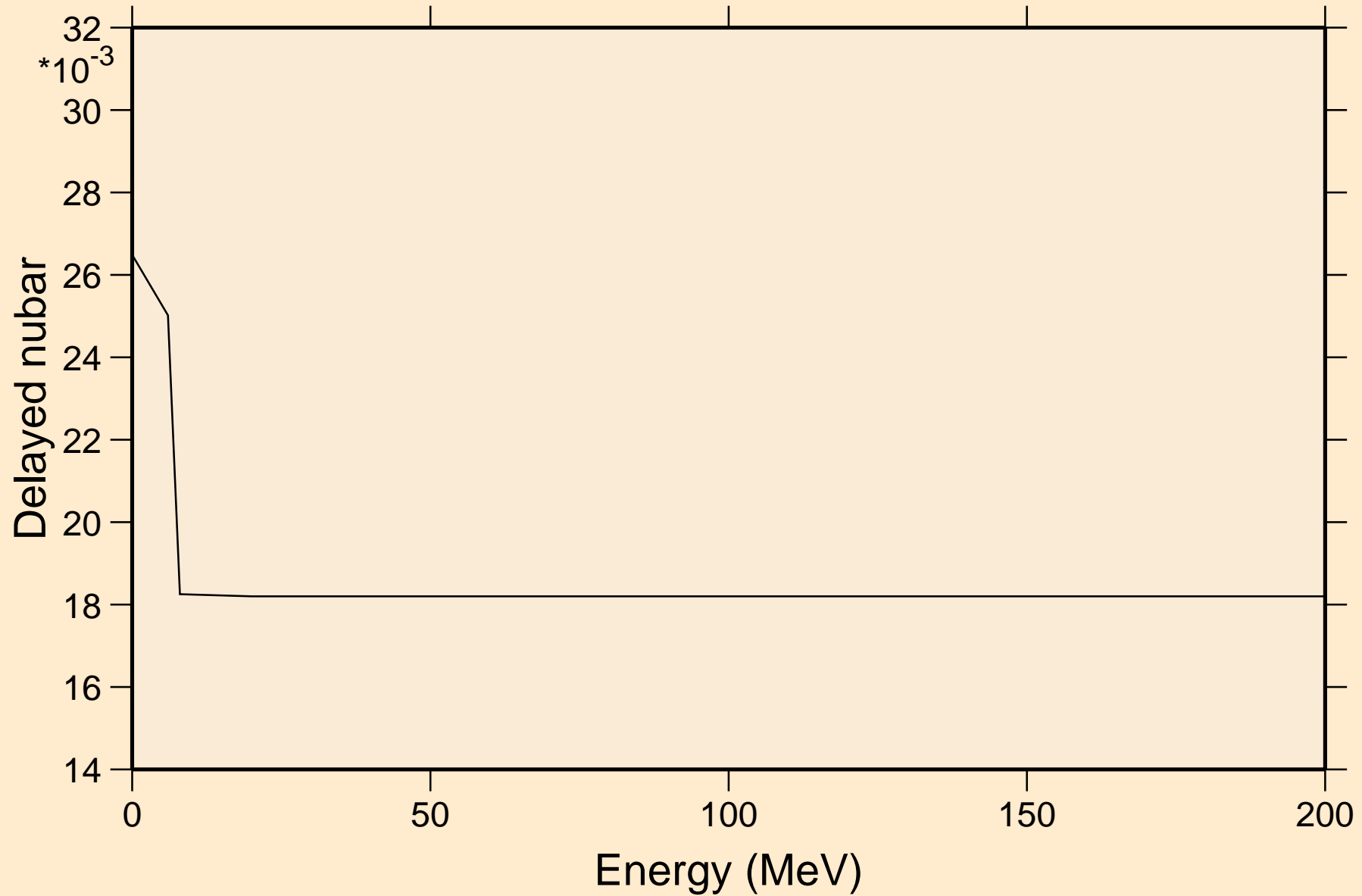


RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)



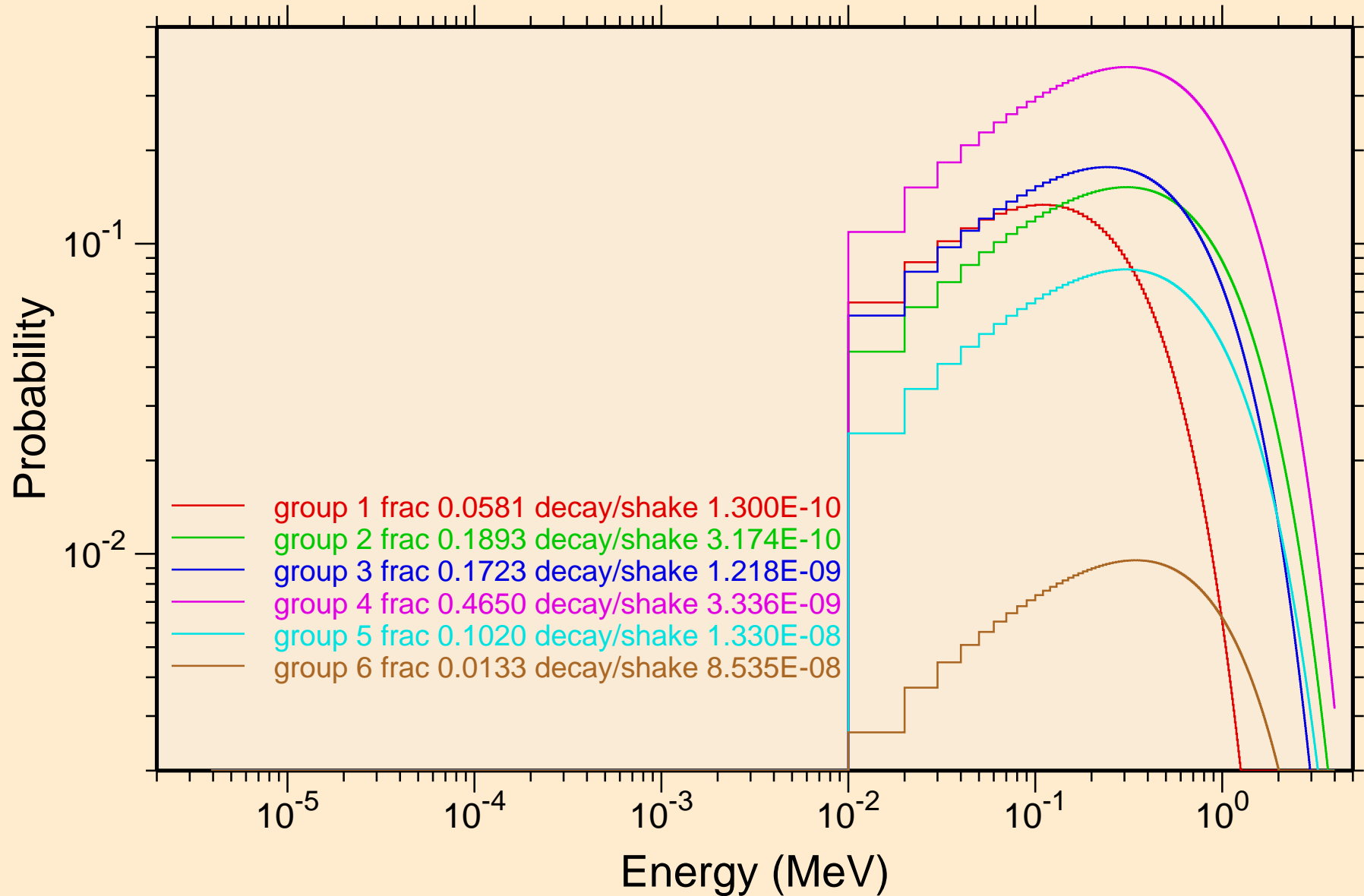
# RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Delayed nubar

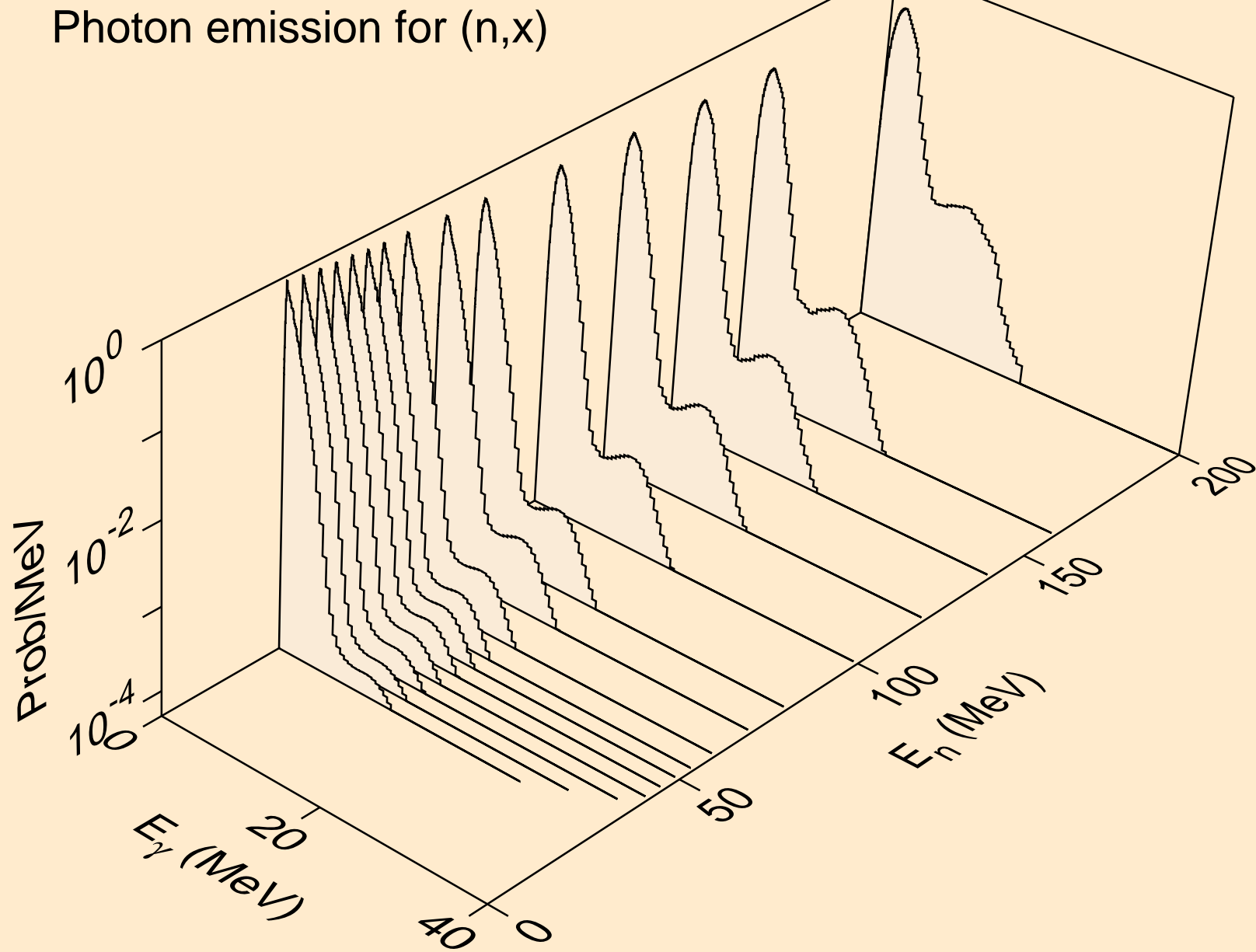


# RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

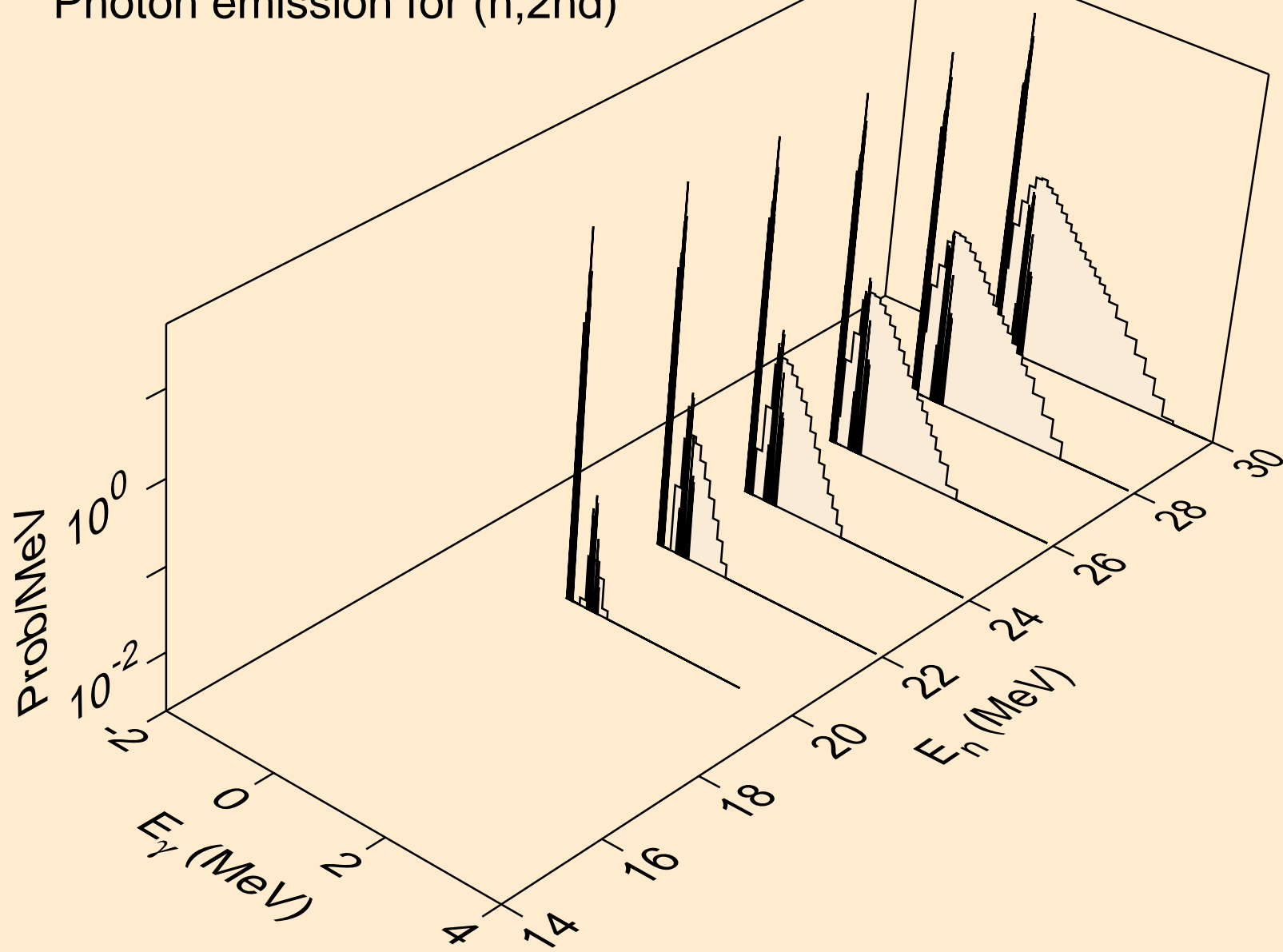
## Delayed neutron spectra



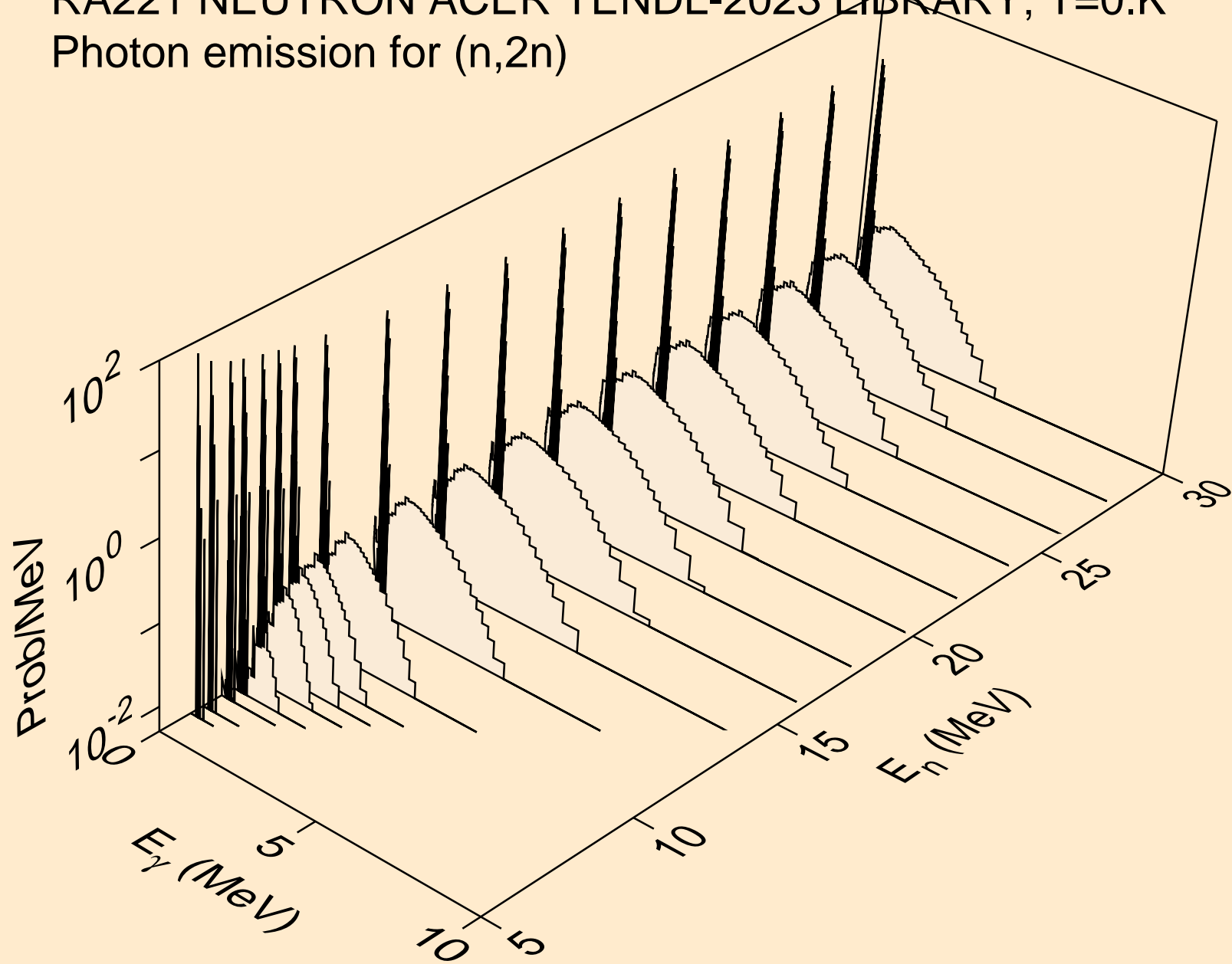
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,x)



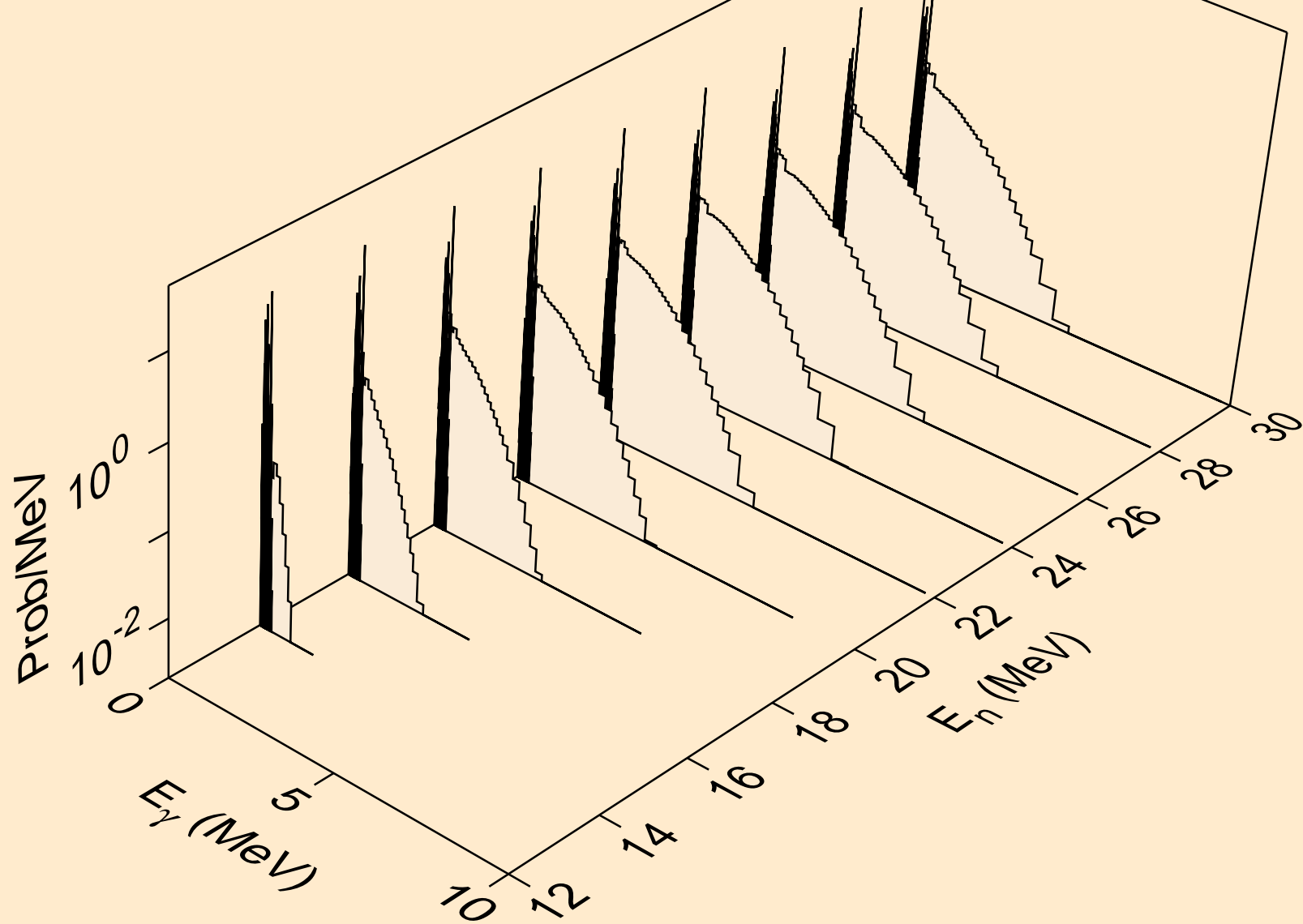
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



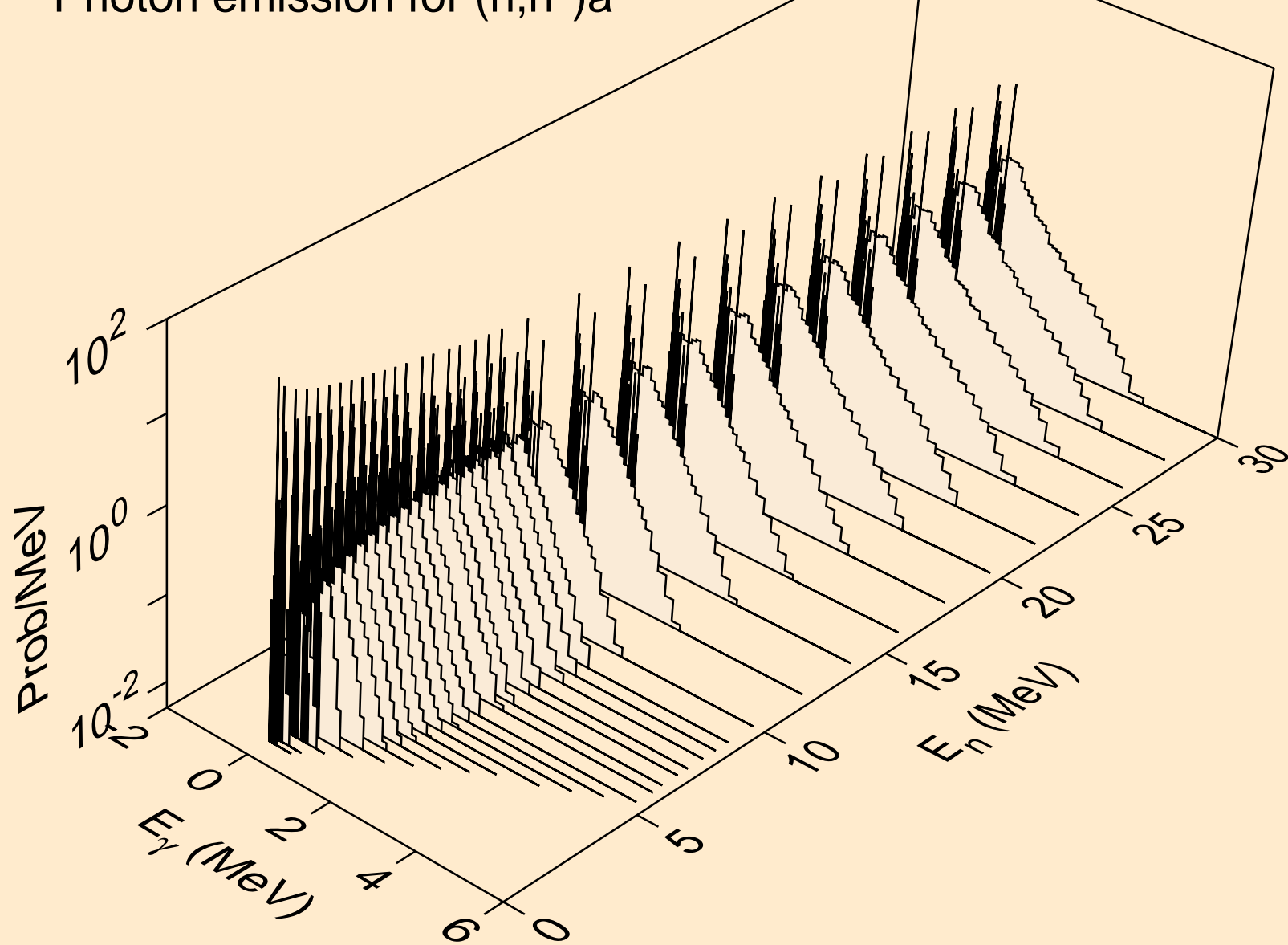
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



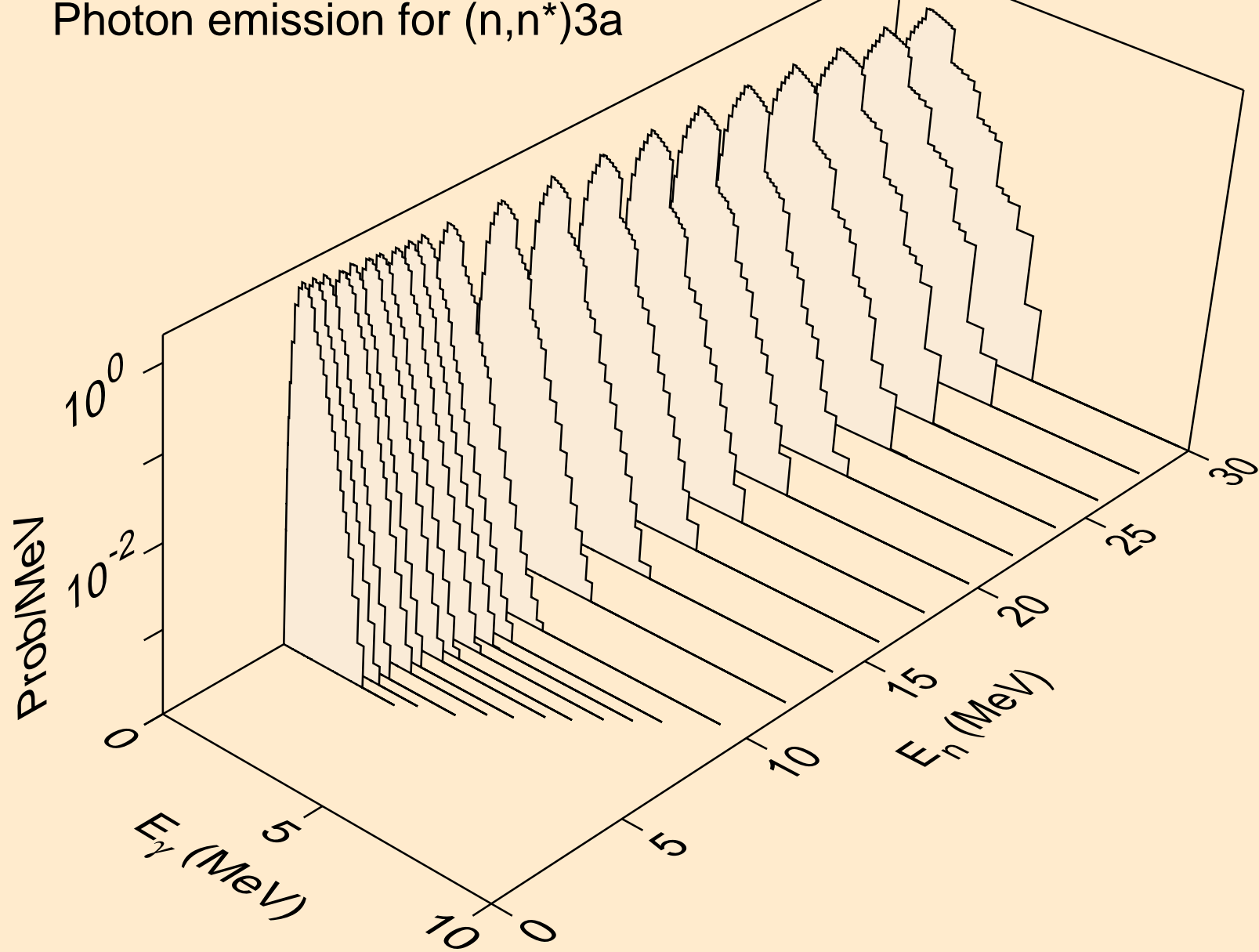
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



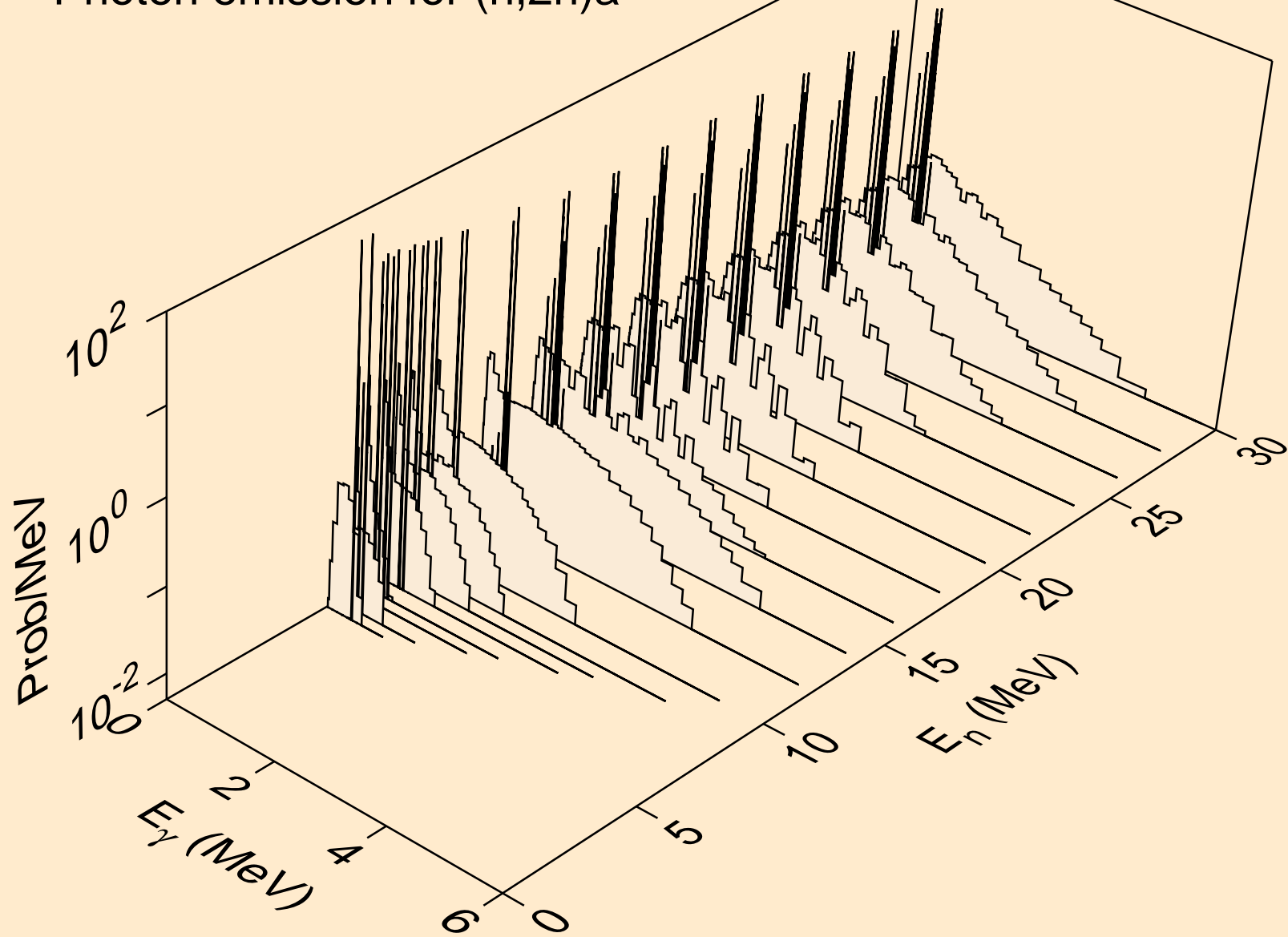
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



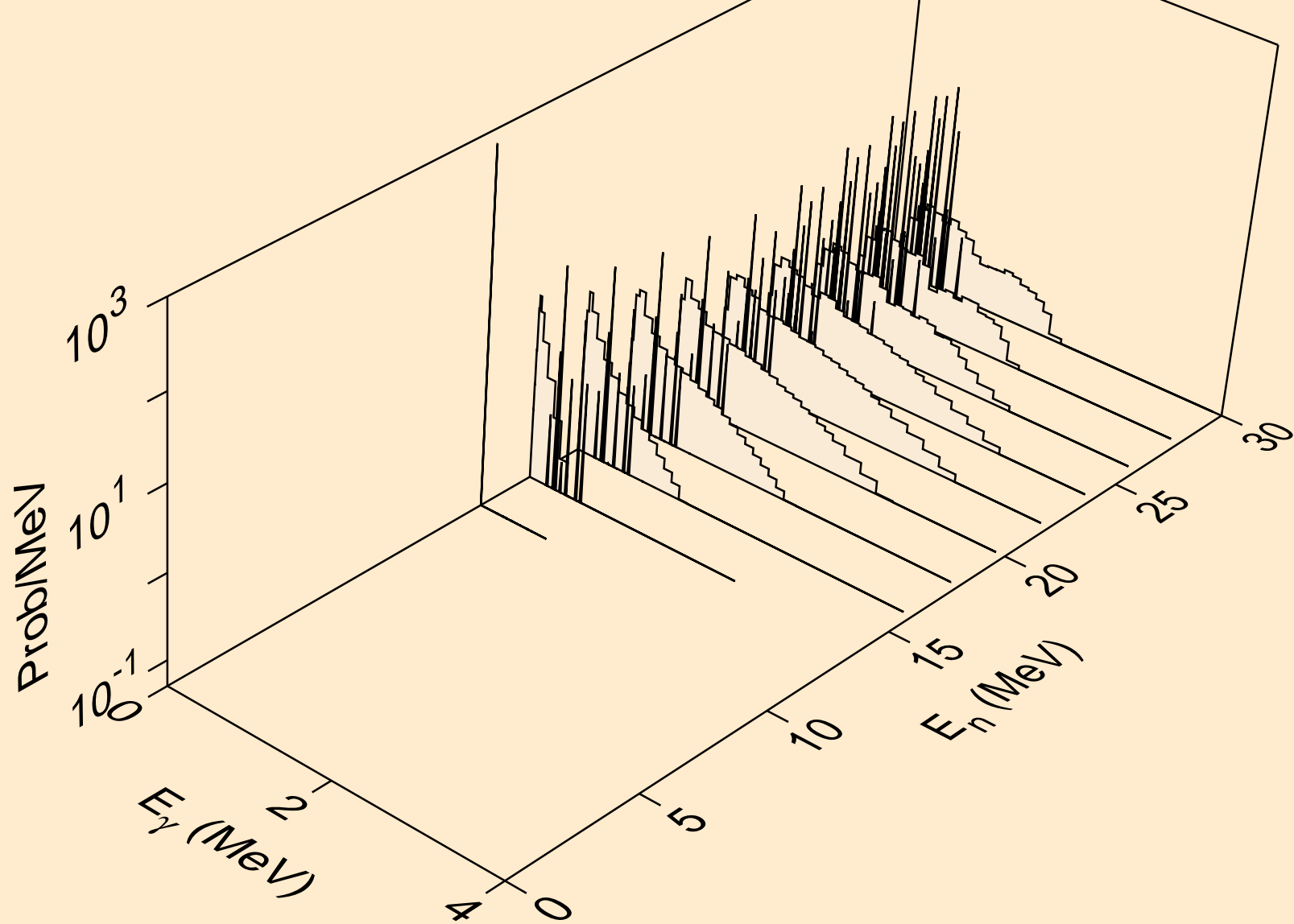
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)3a



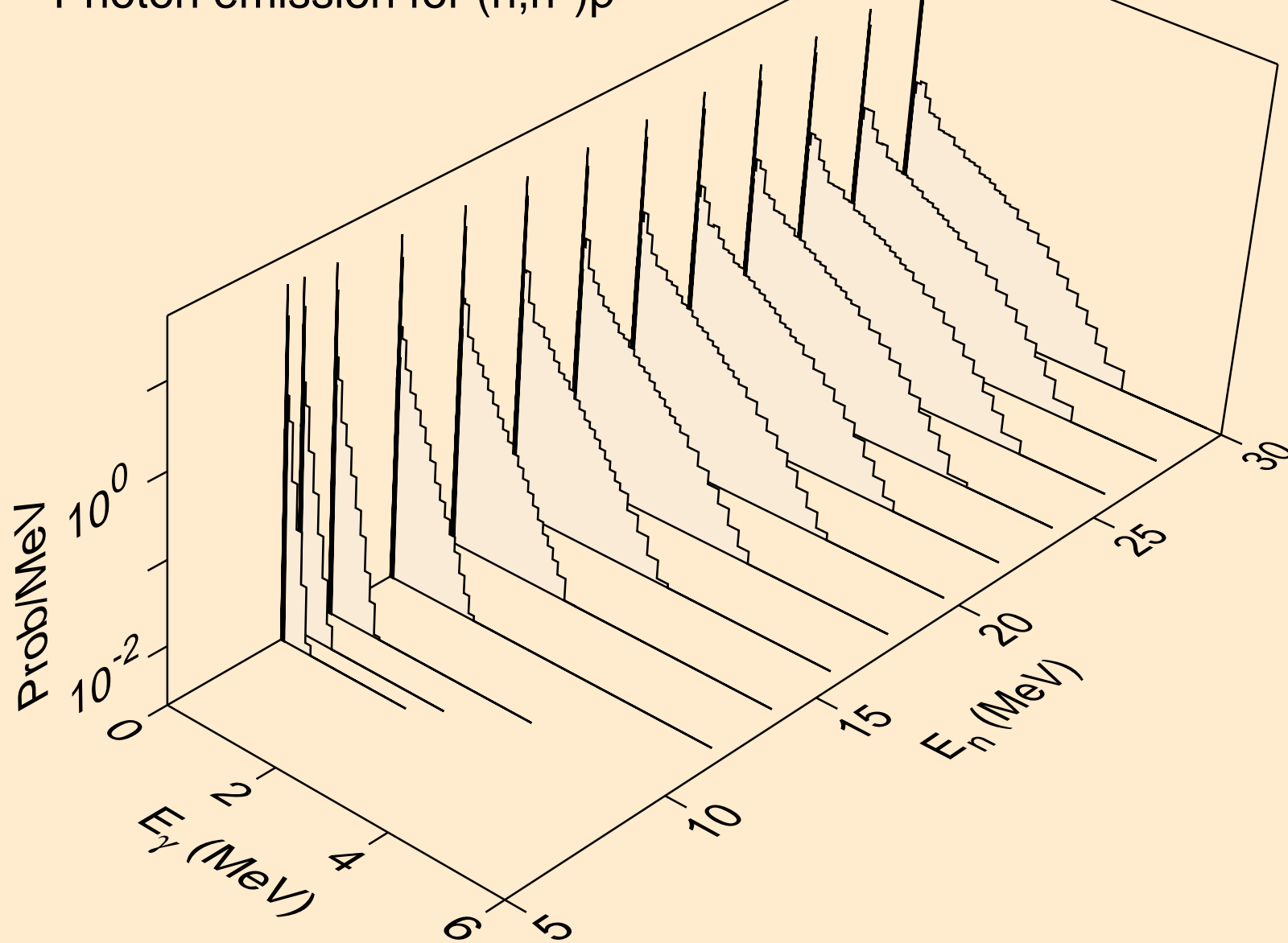
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a



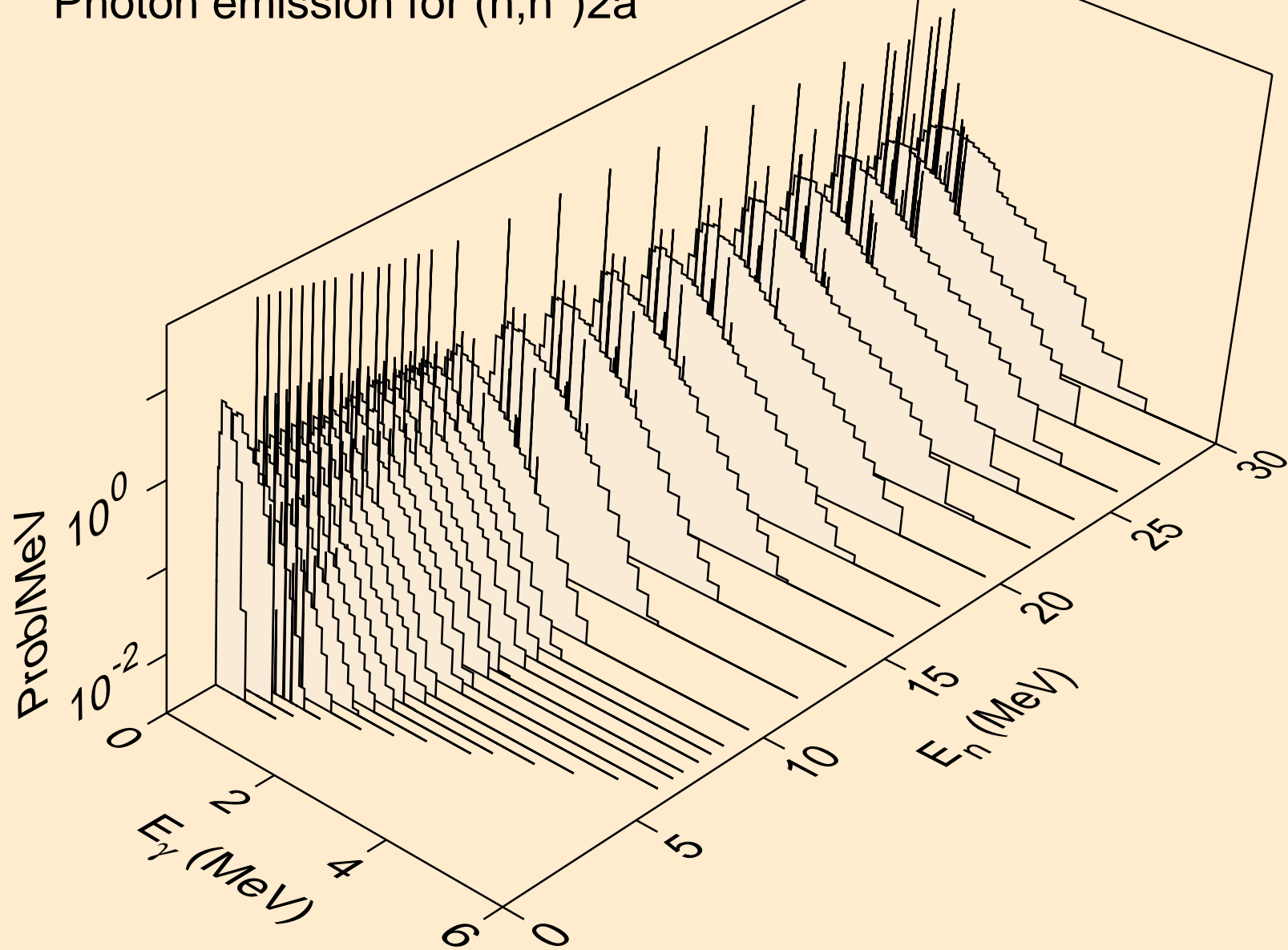
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)a



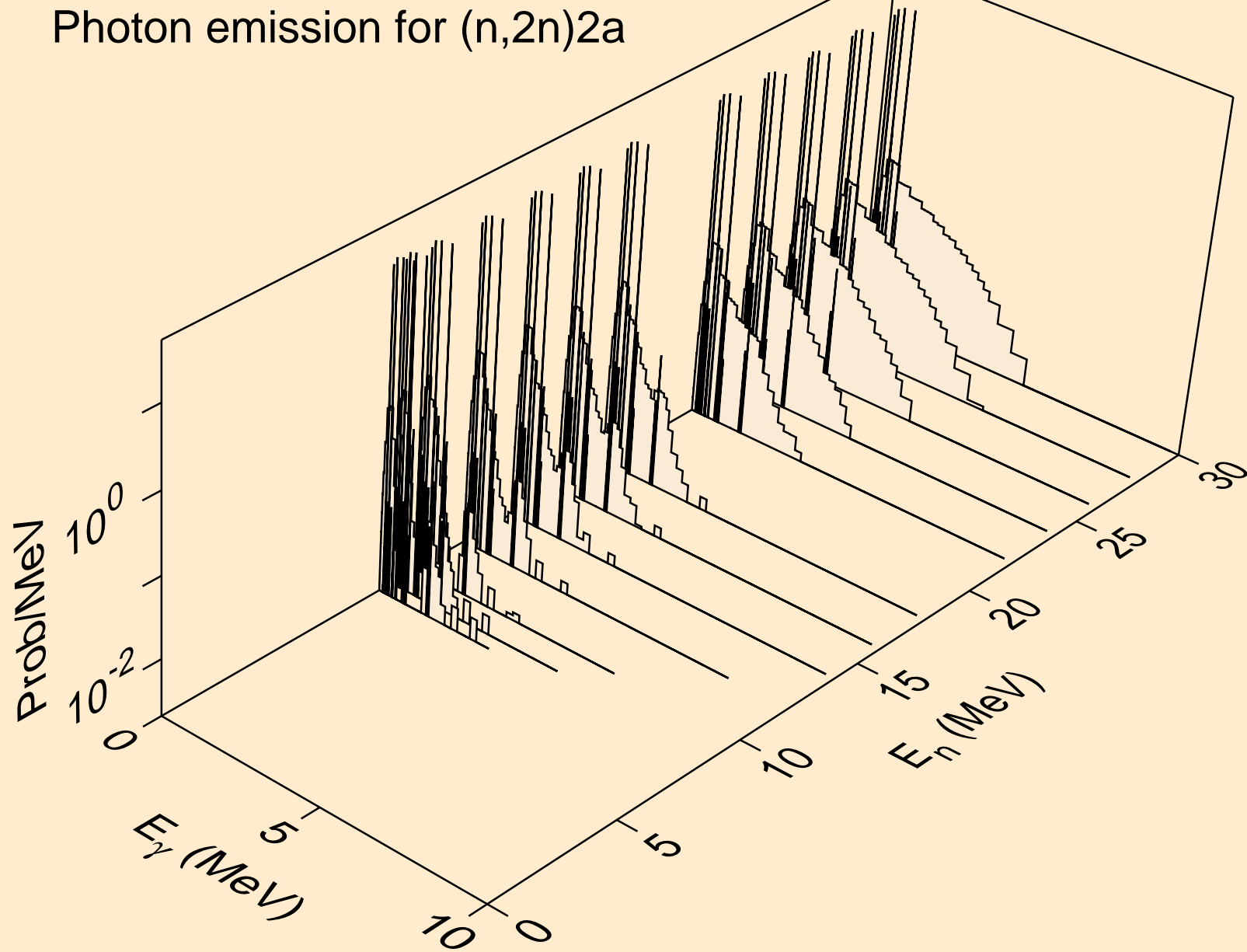
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



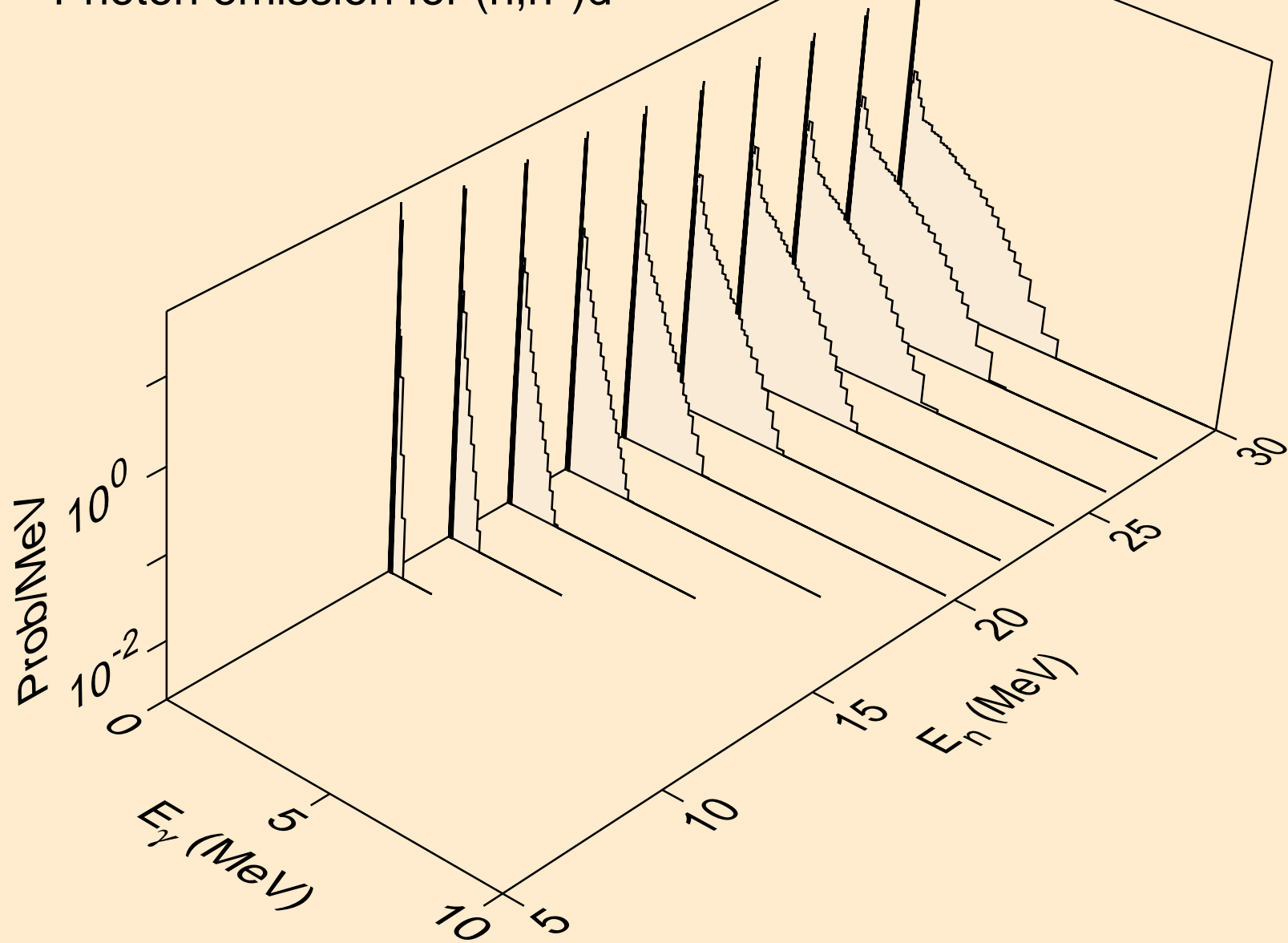
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



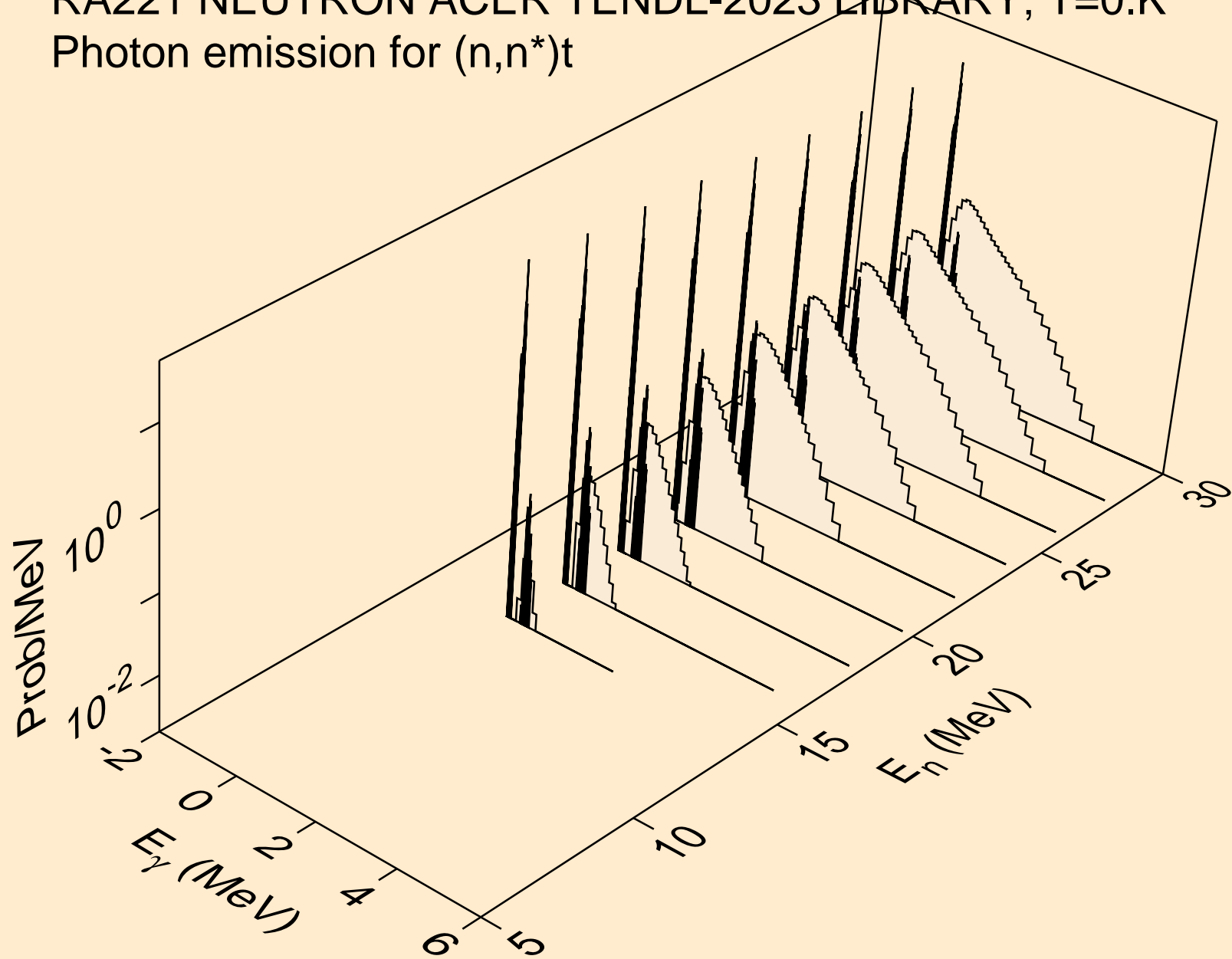
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)2a



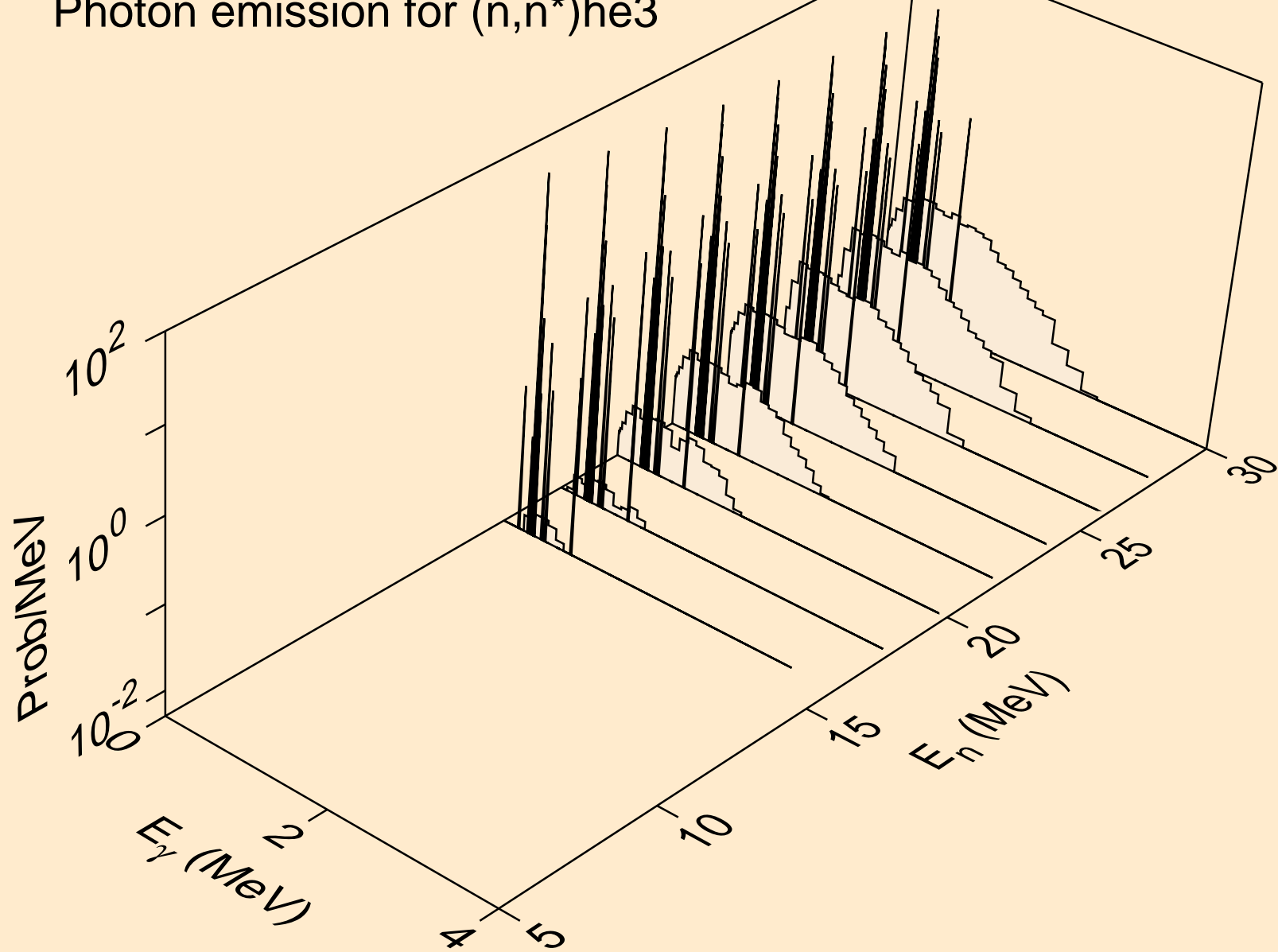
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



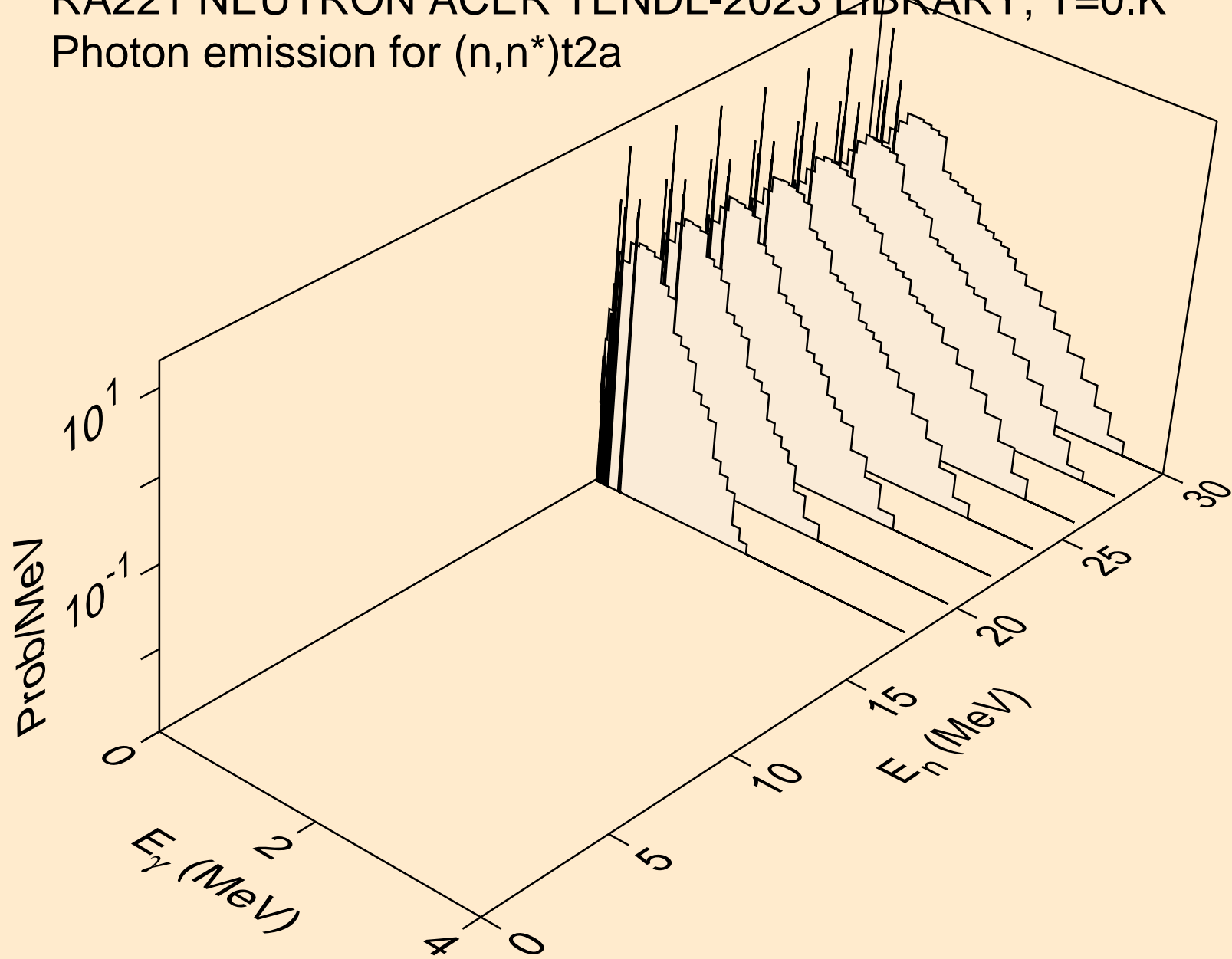
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



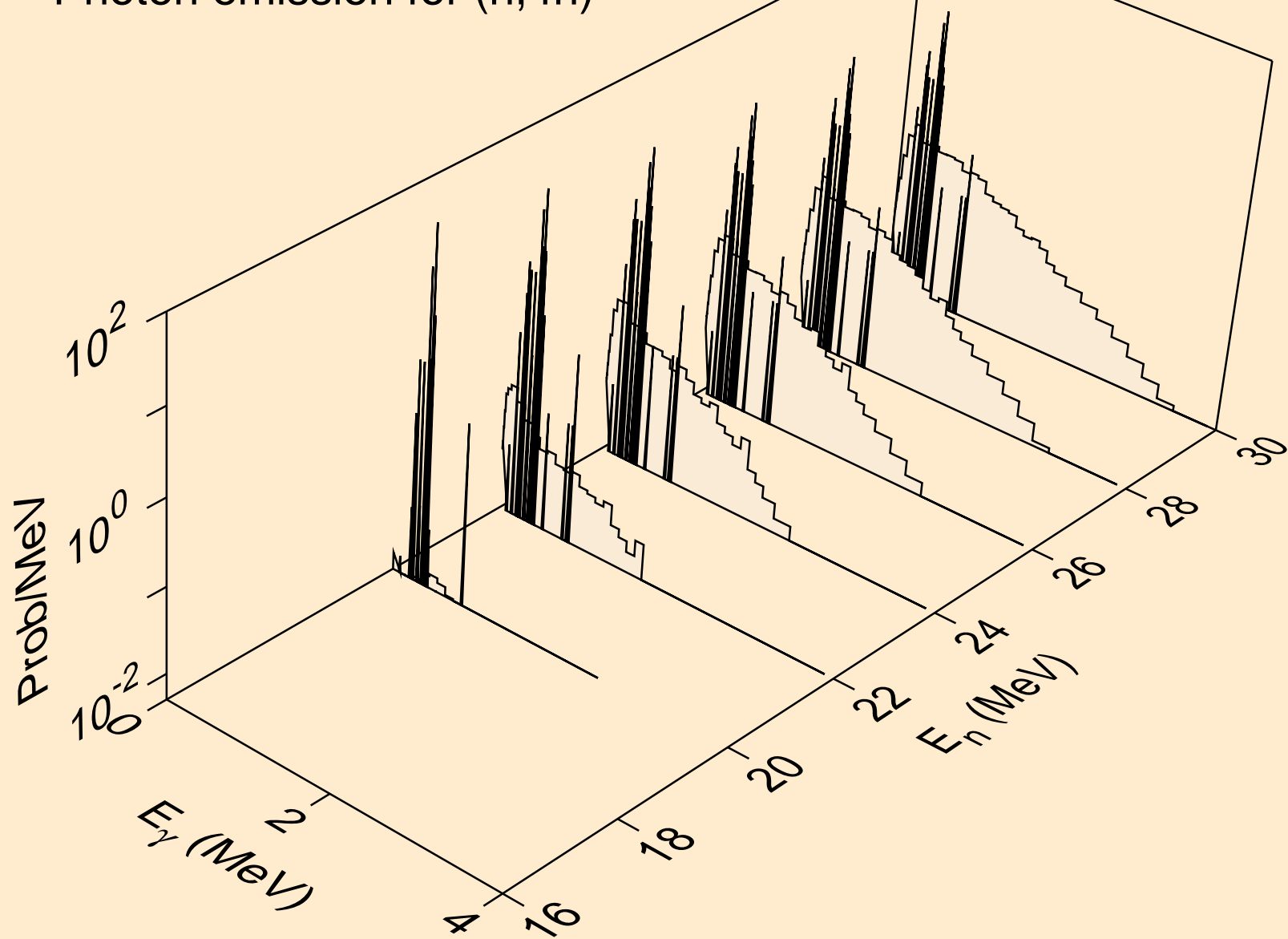
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



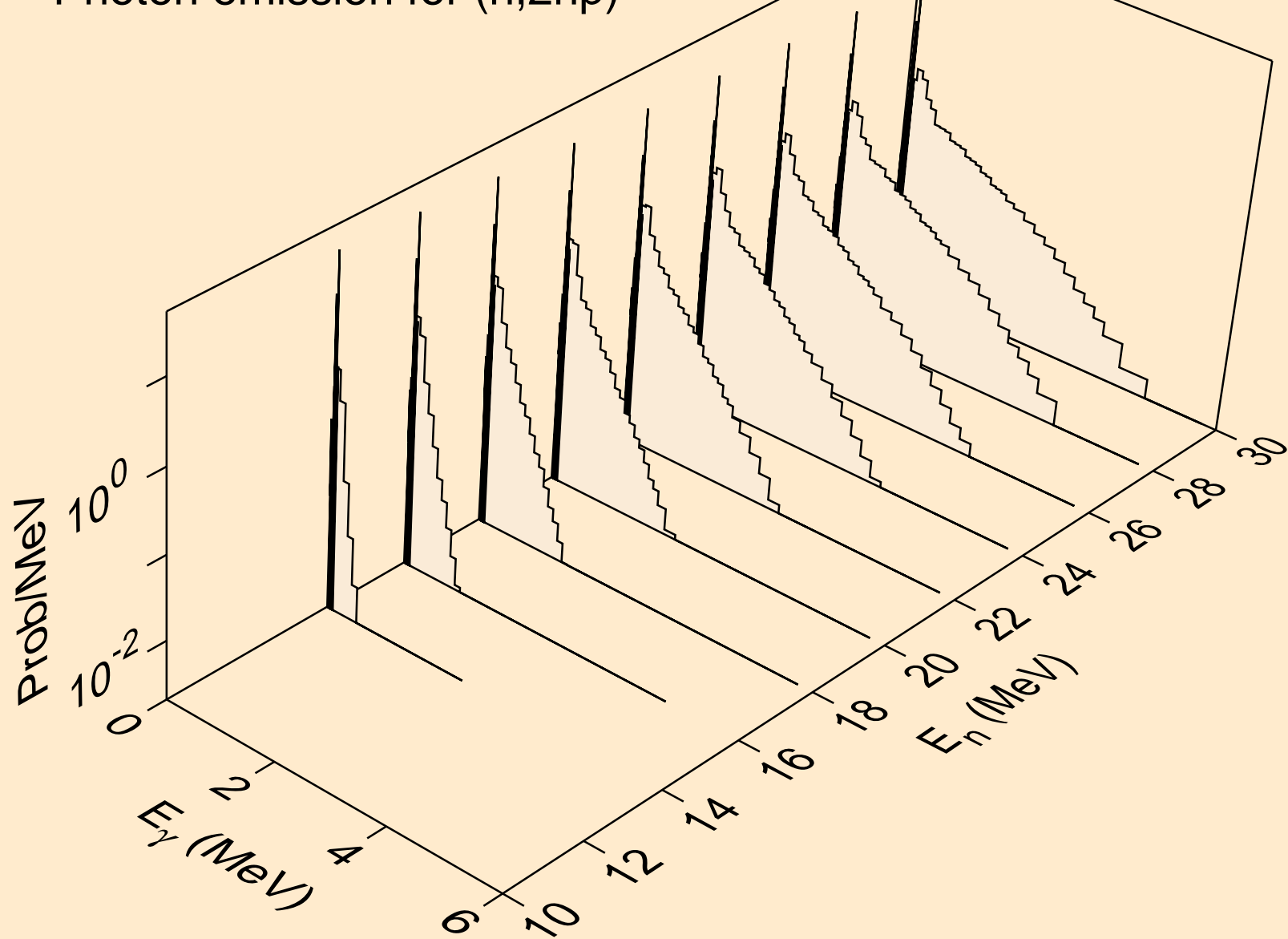
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t2a



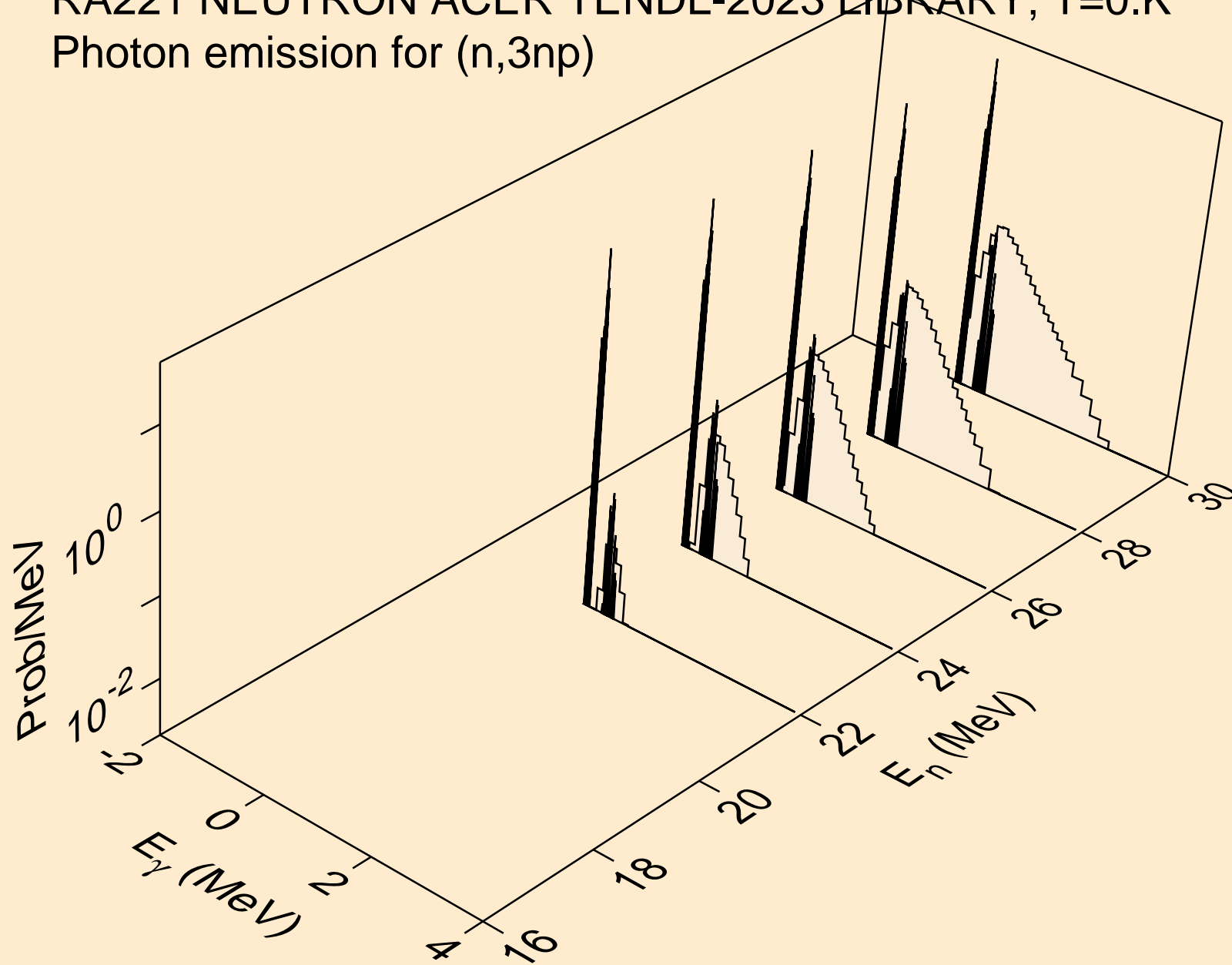
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,4n)



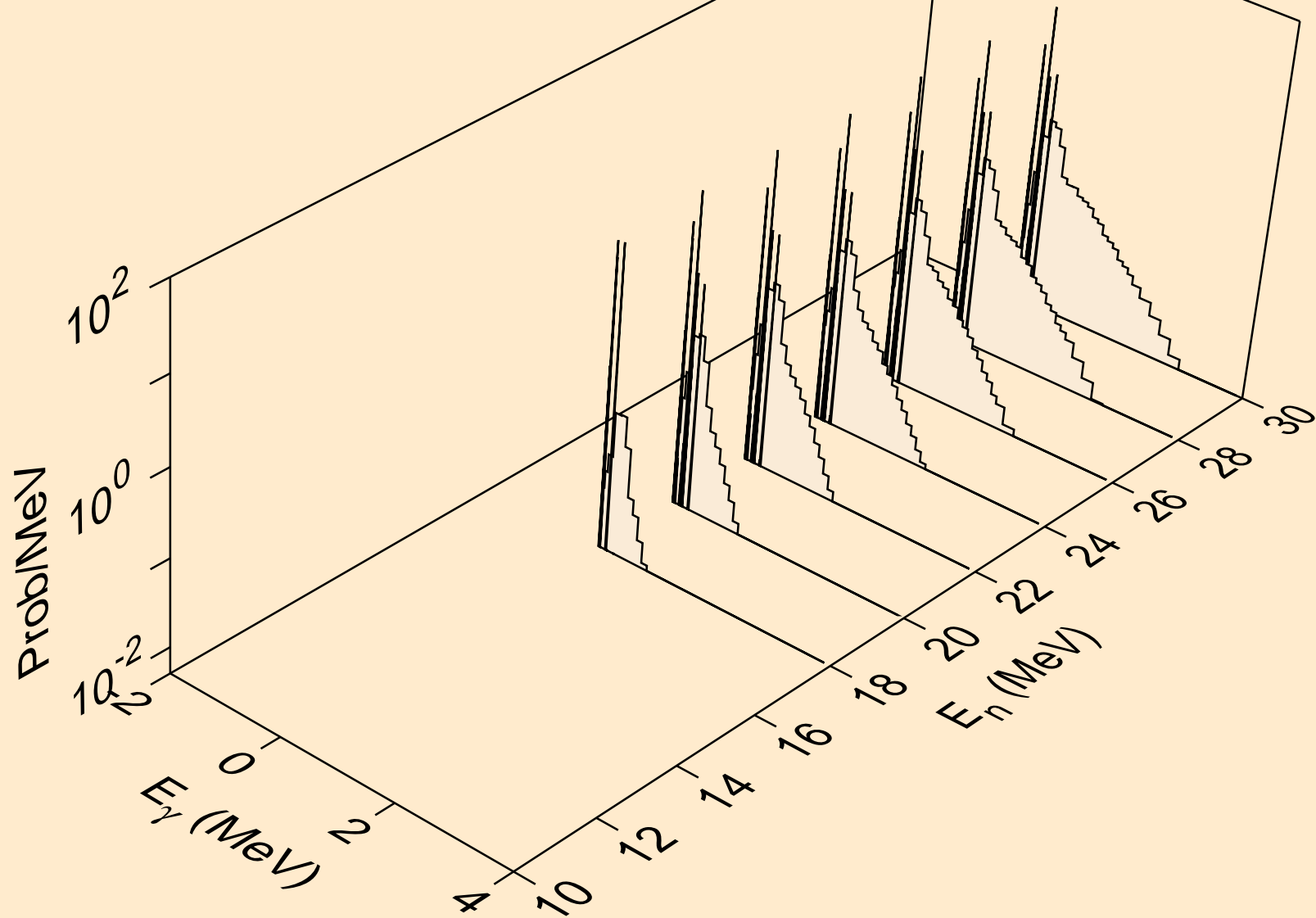
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)



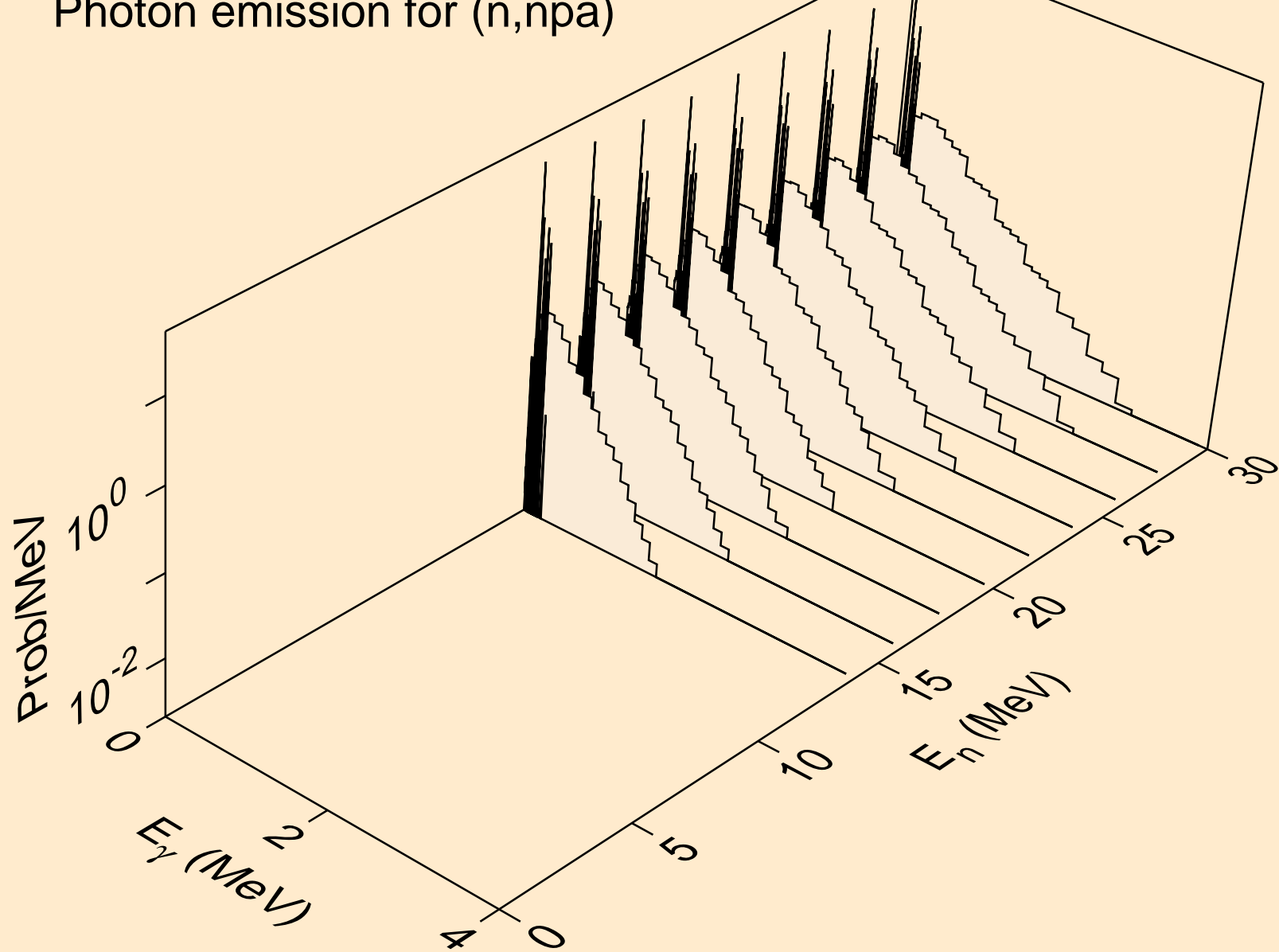
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3np)



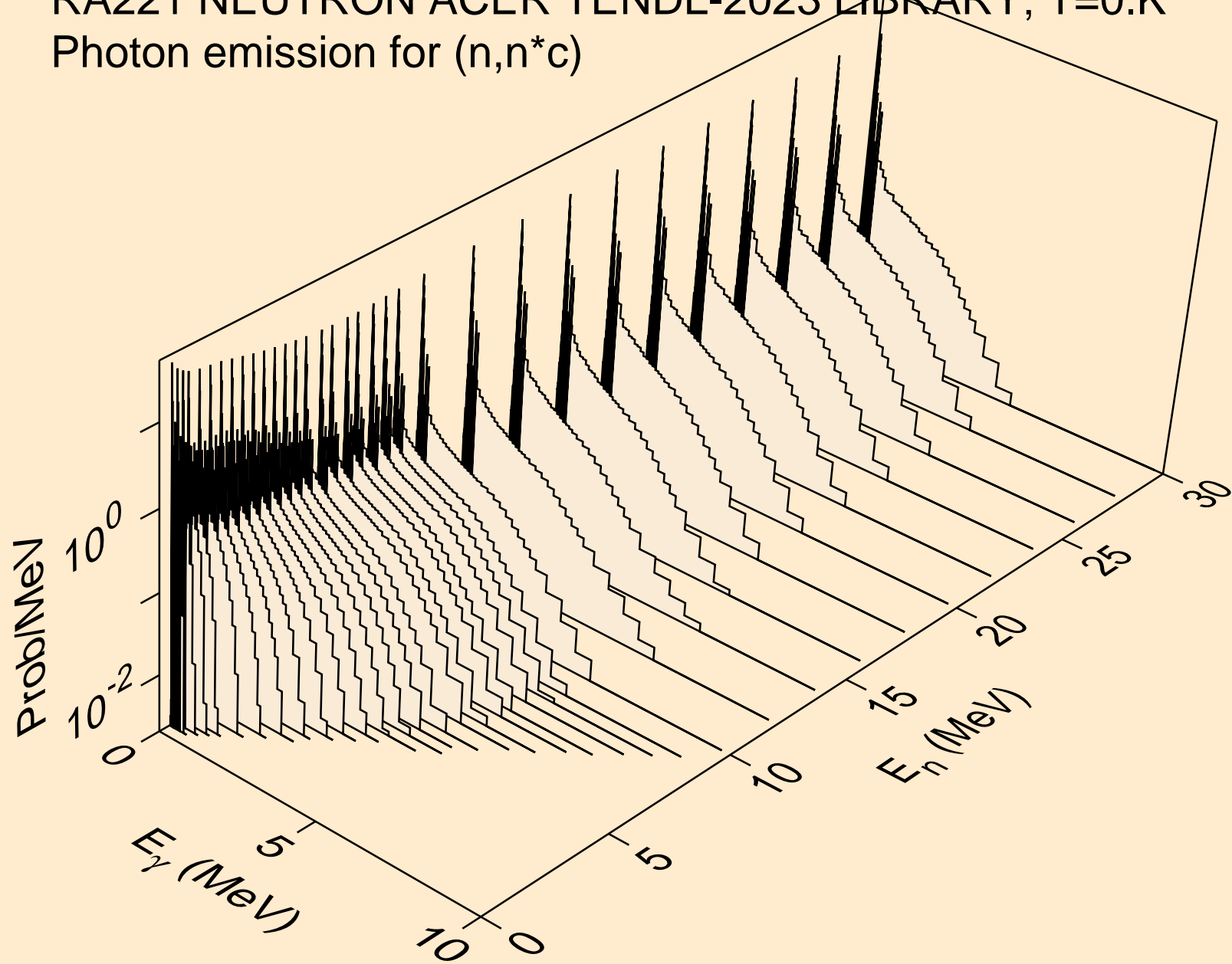
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)



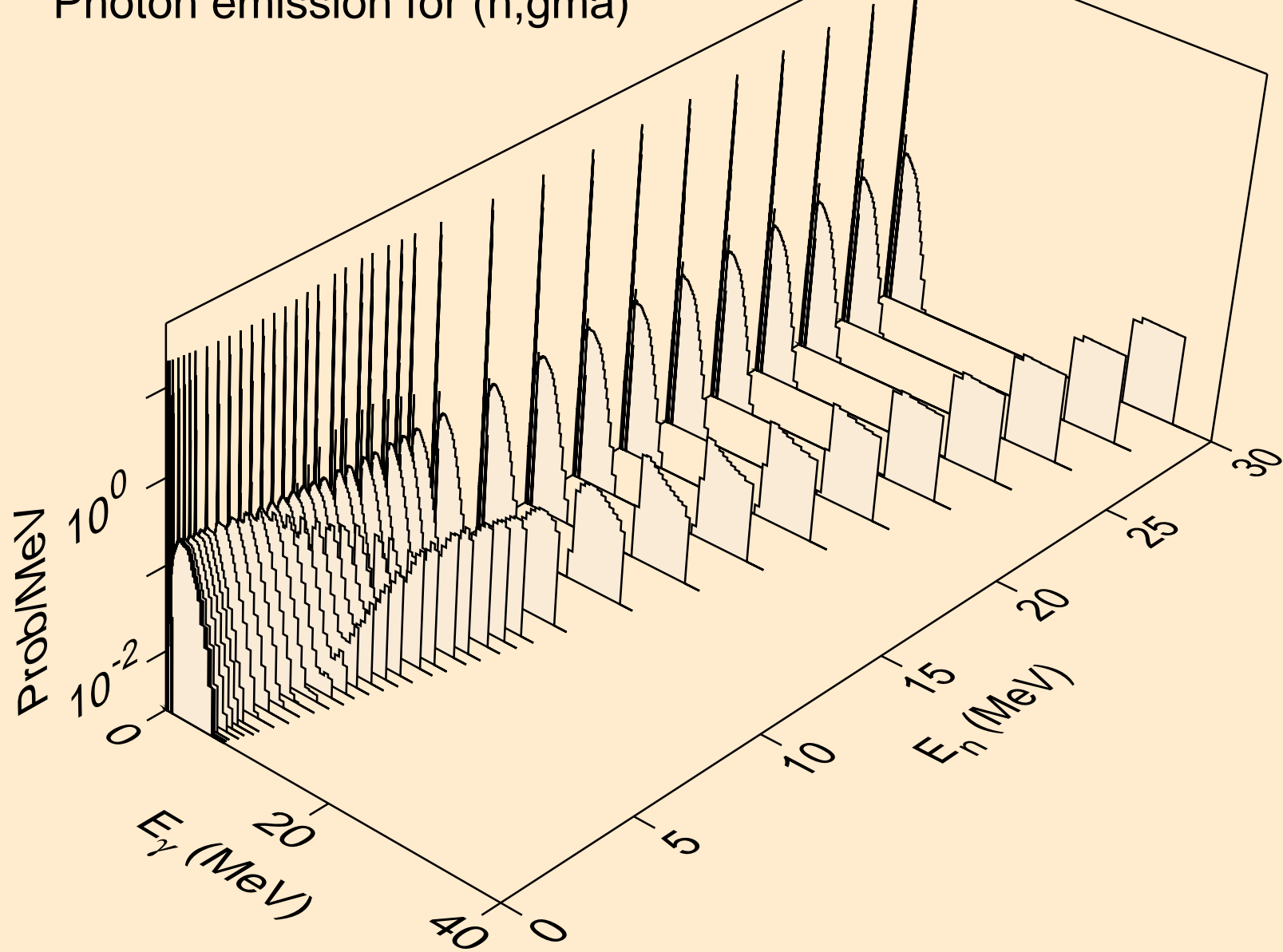
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,npa)



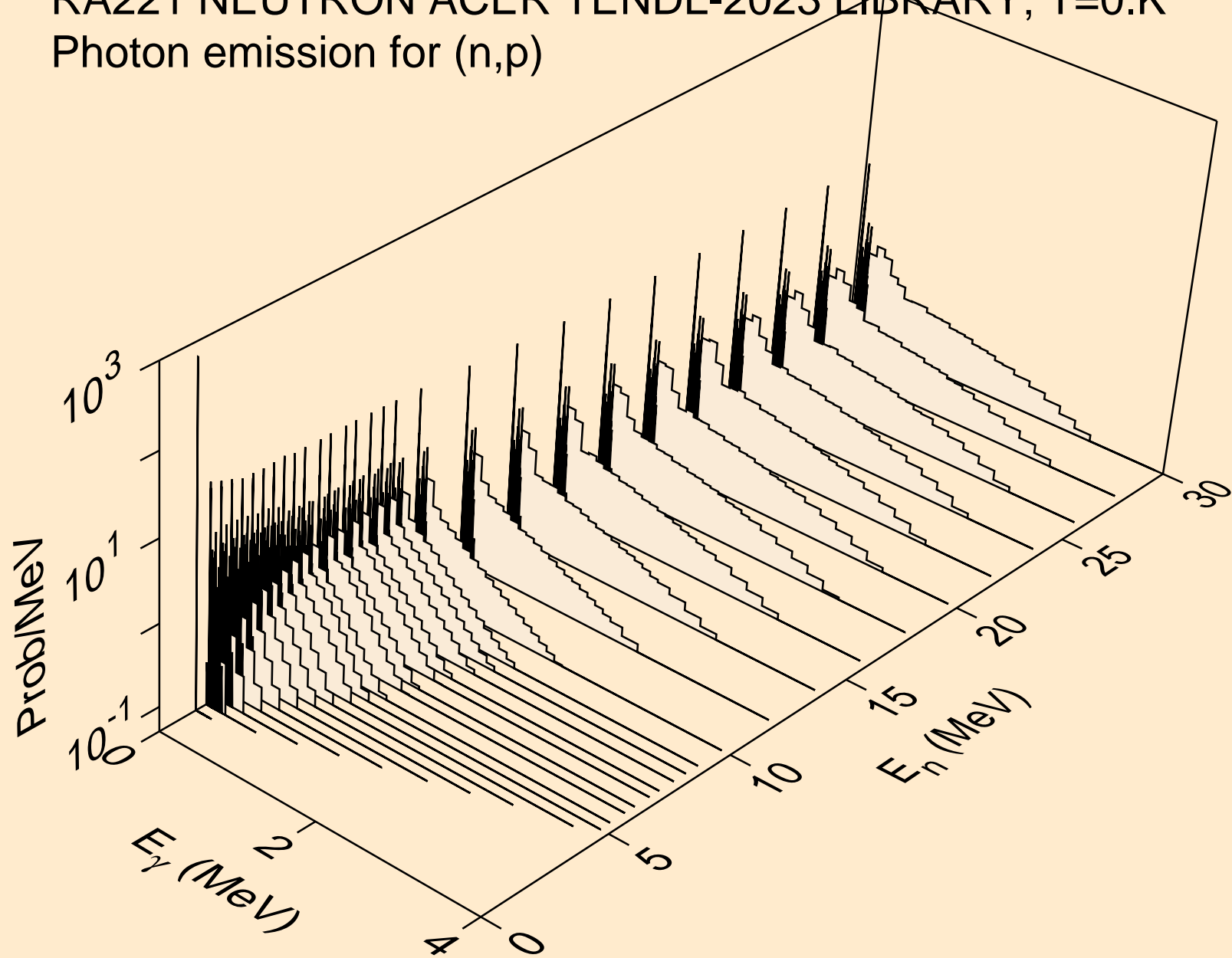
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*c)



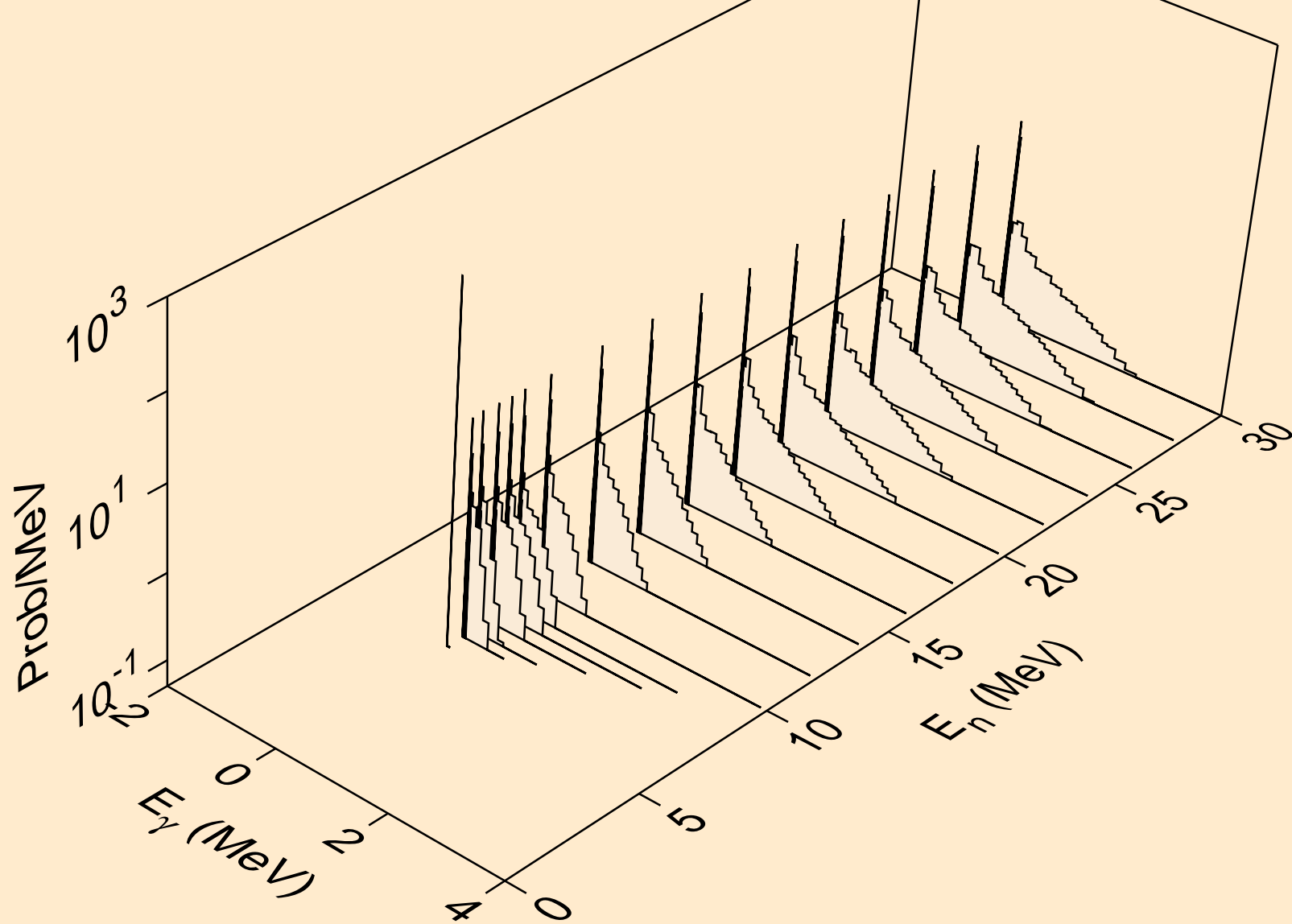
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)



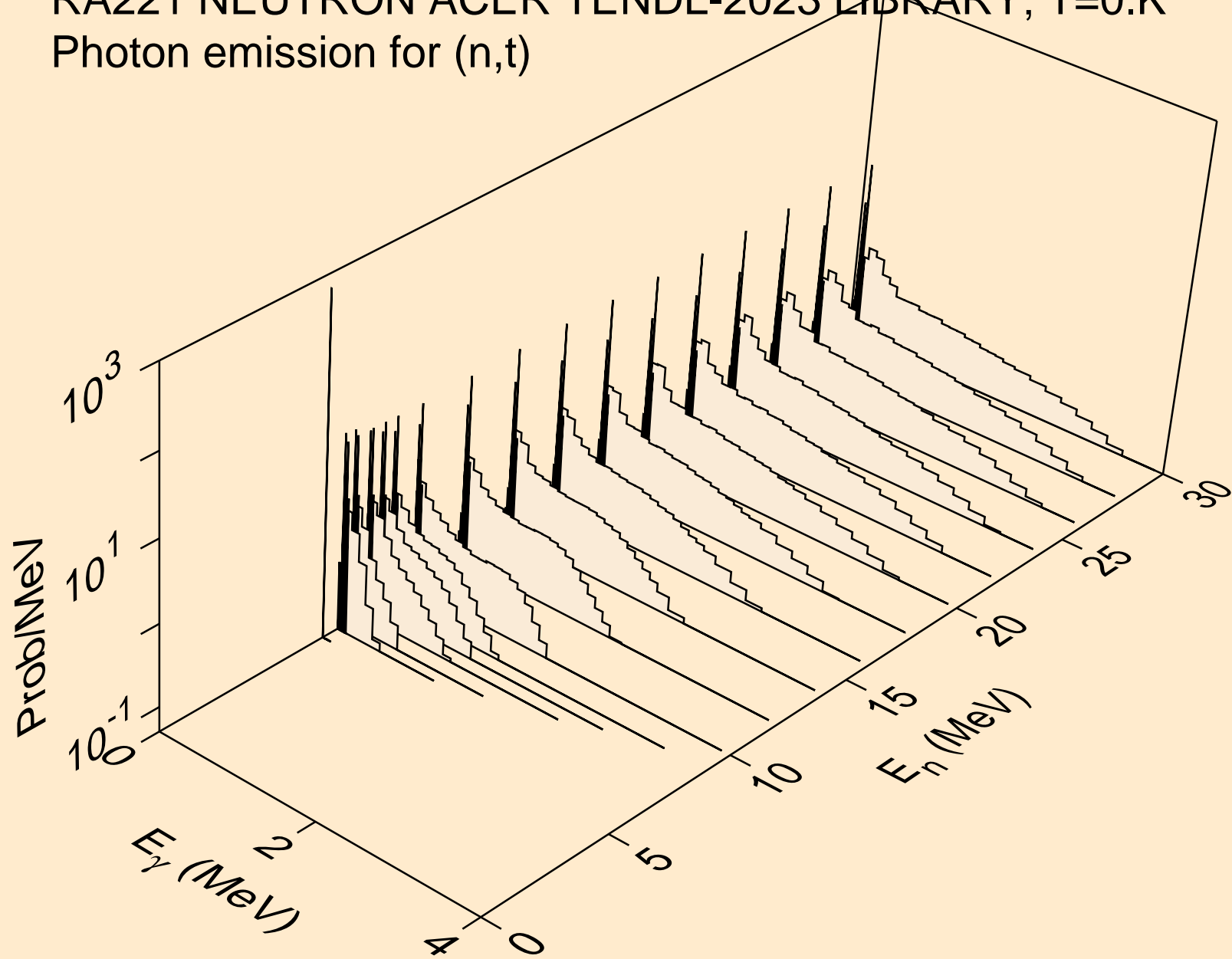
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)



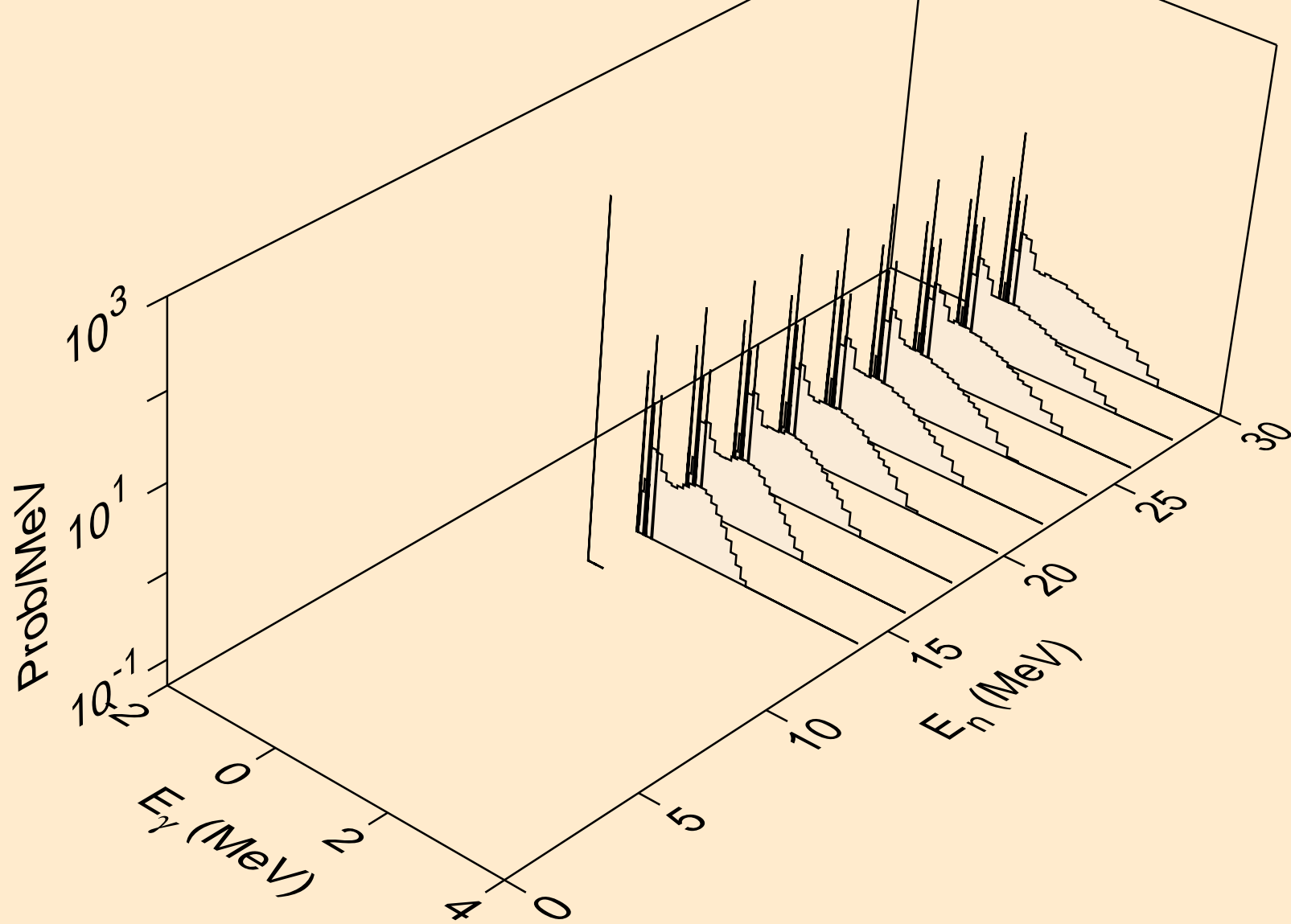
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)



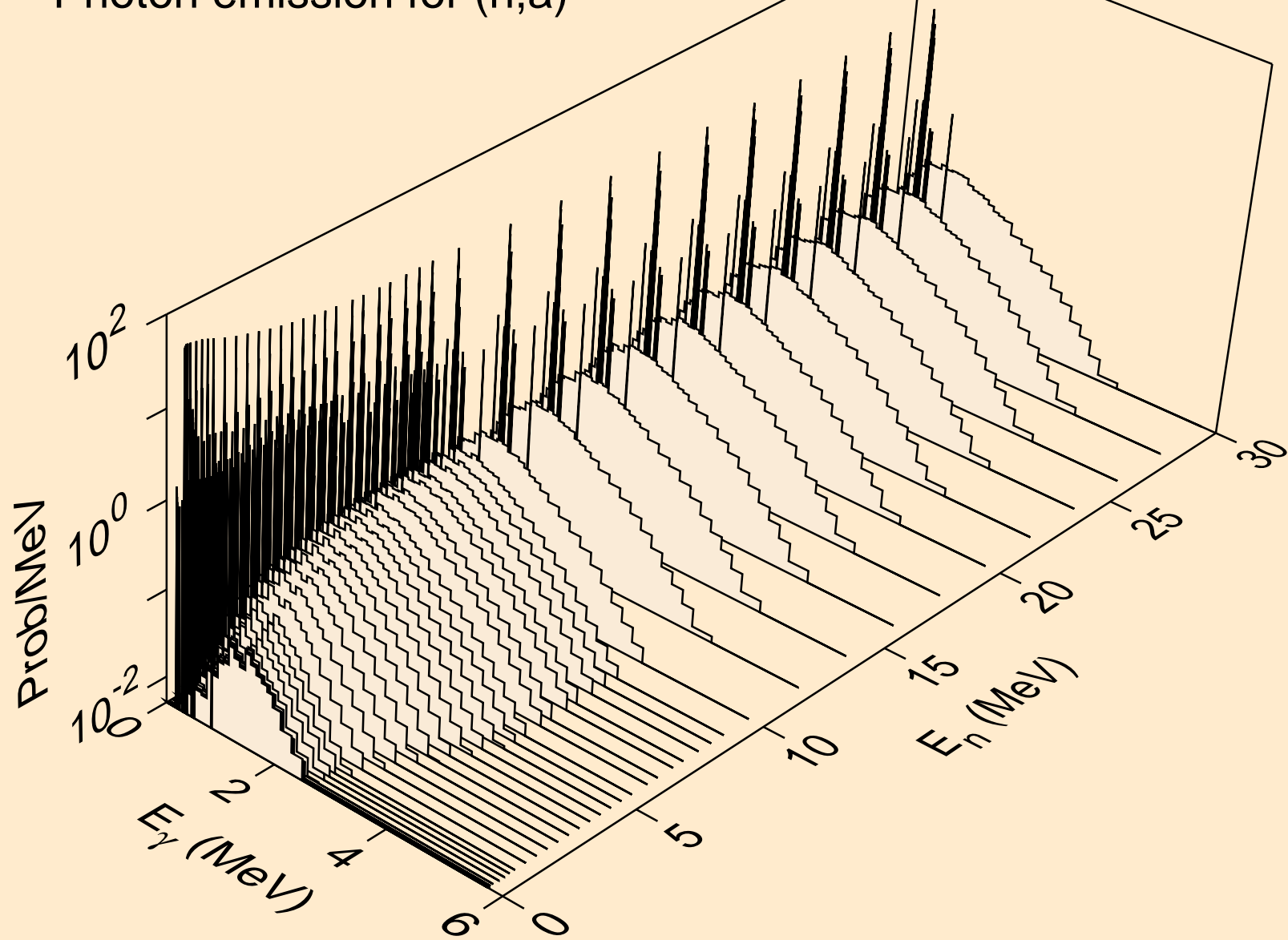
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)



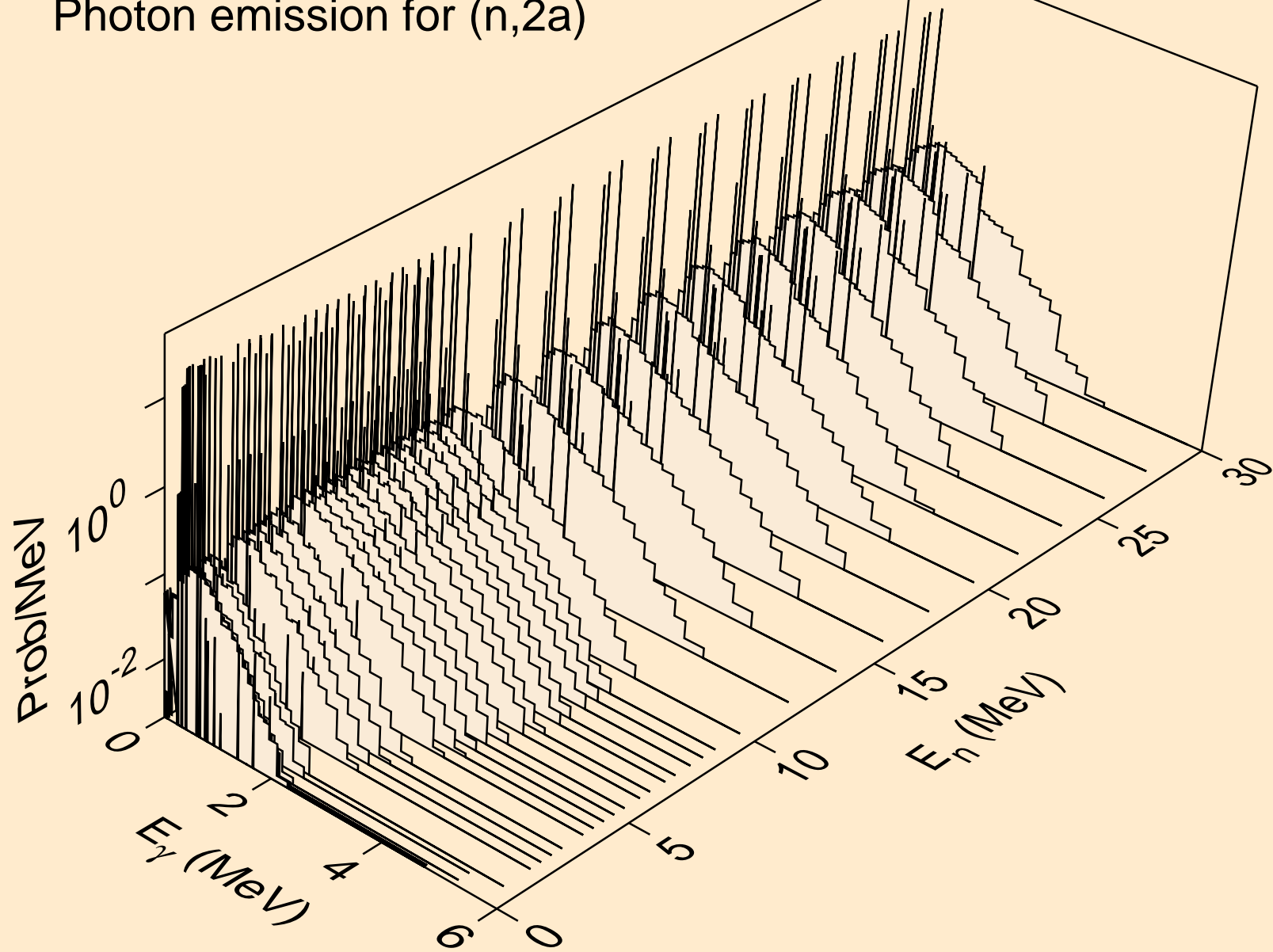
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)



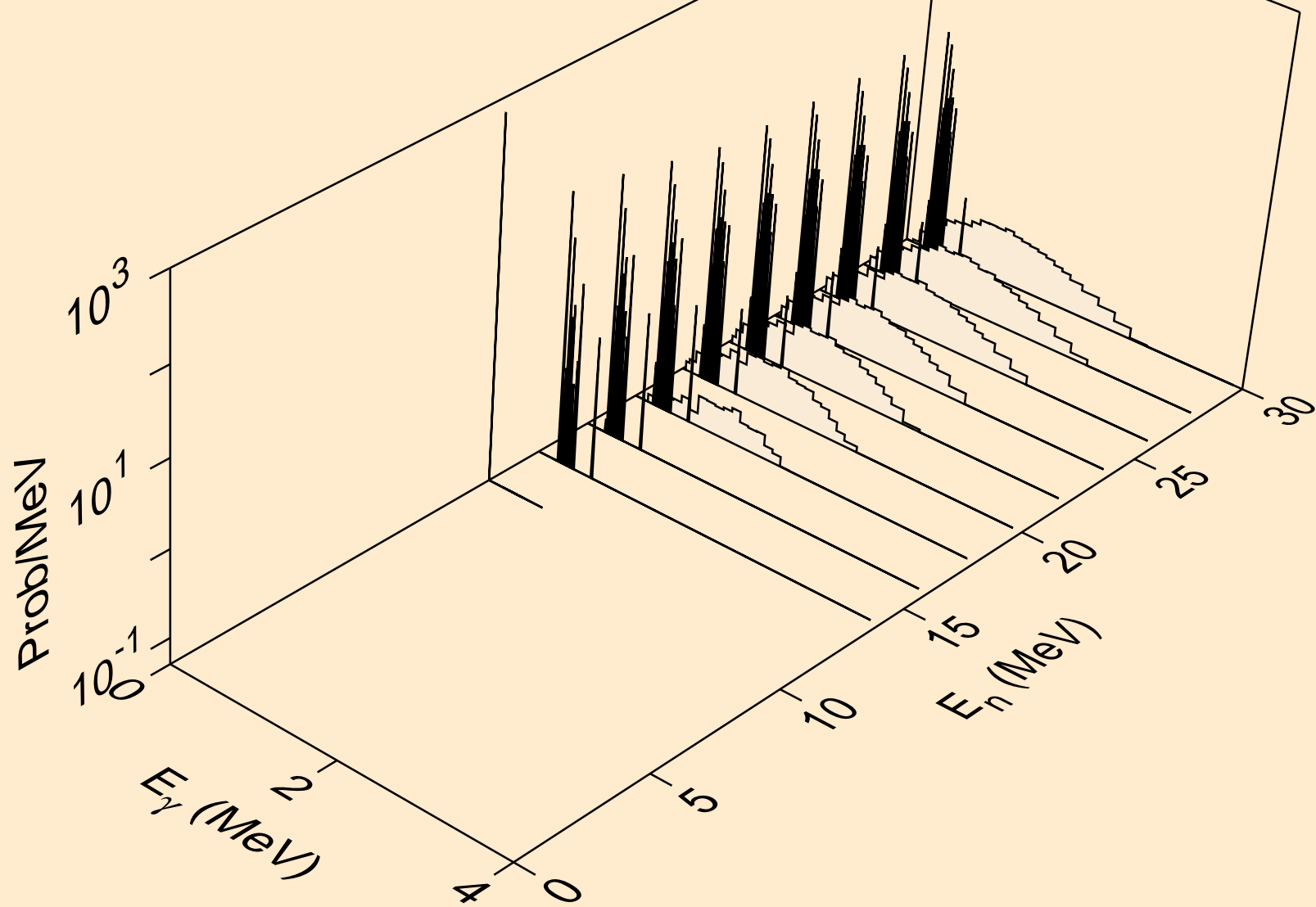
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)



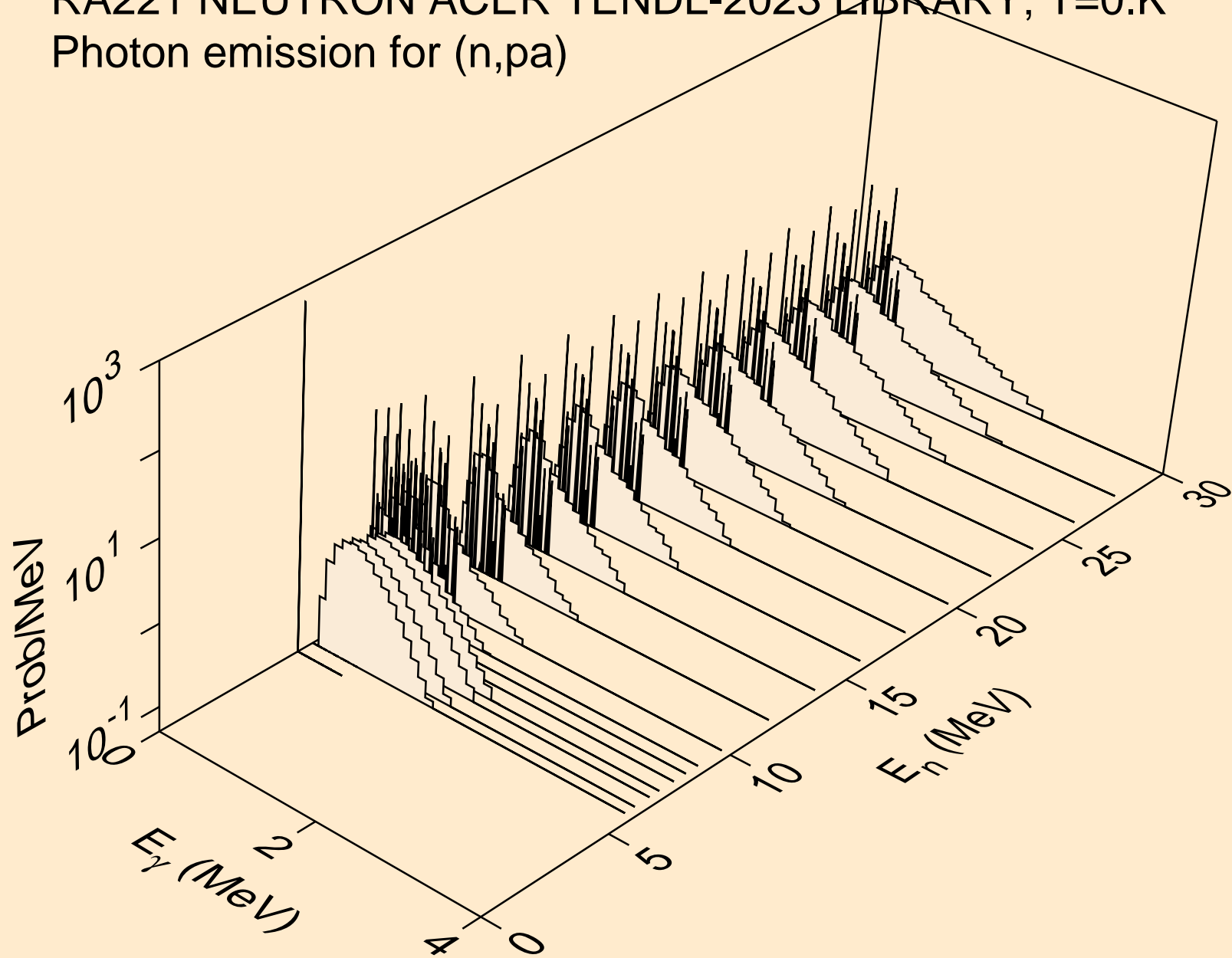
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2a)



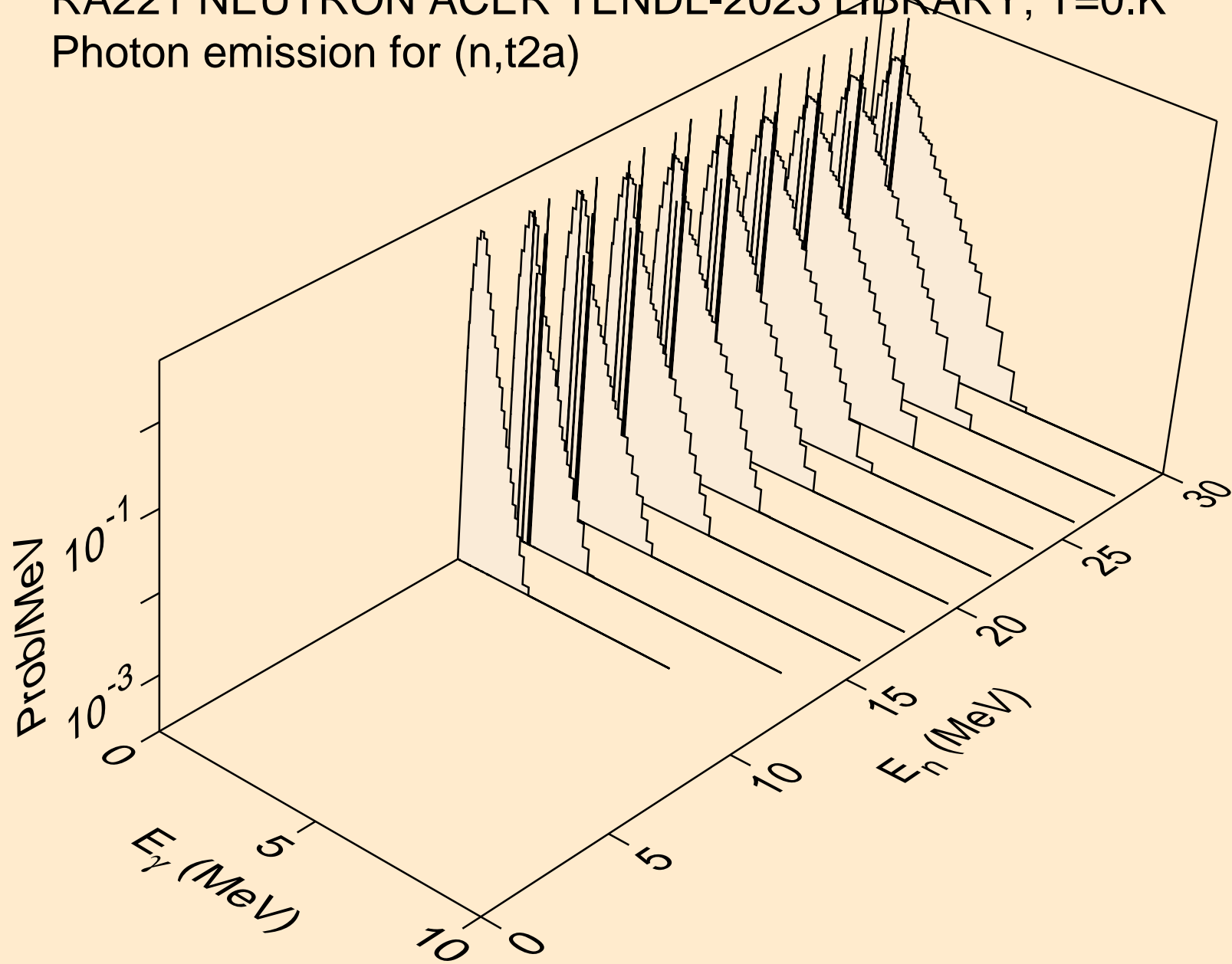
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)



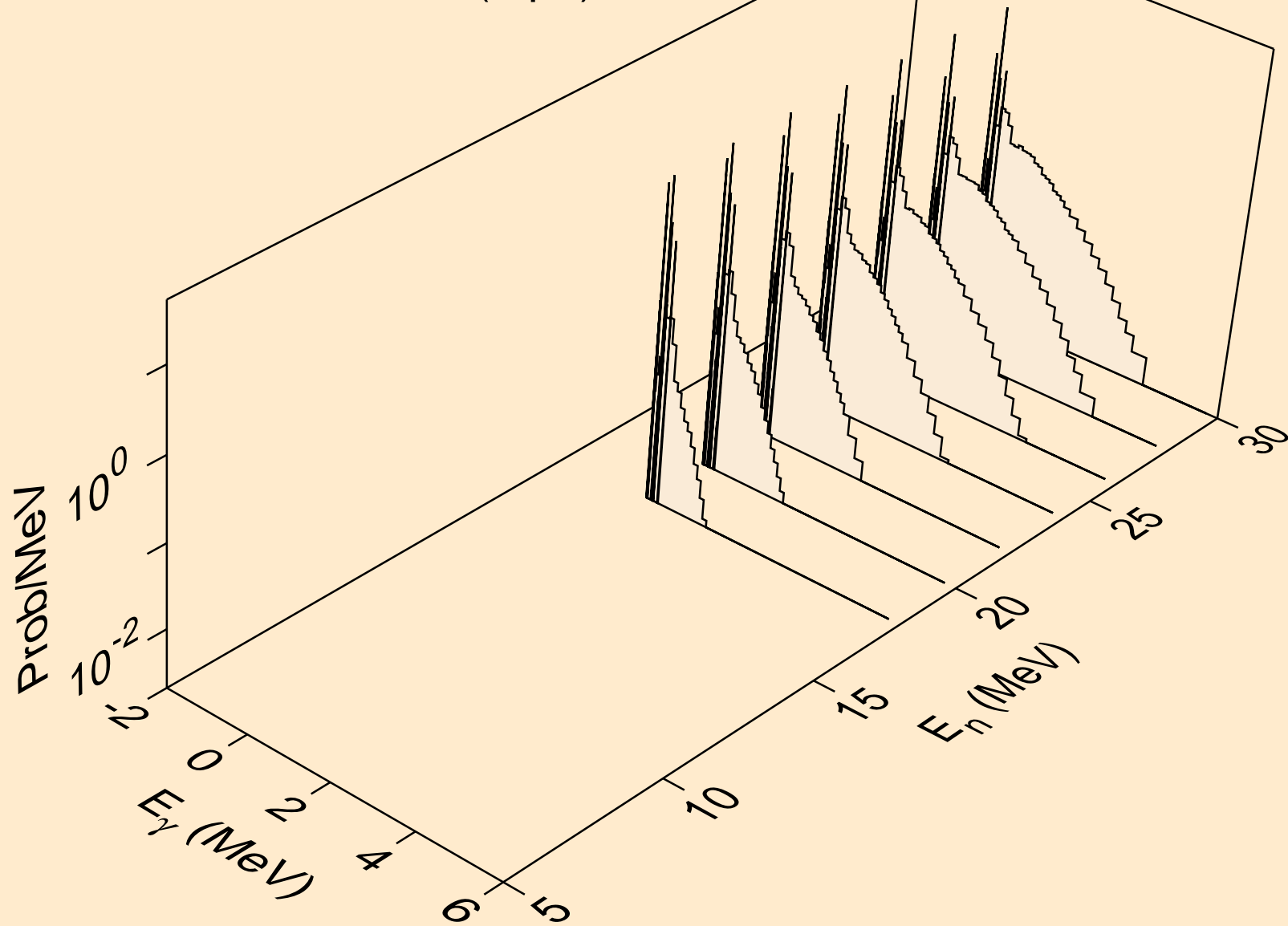
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)



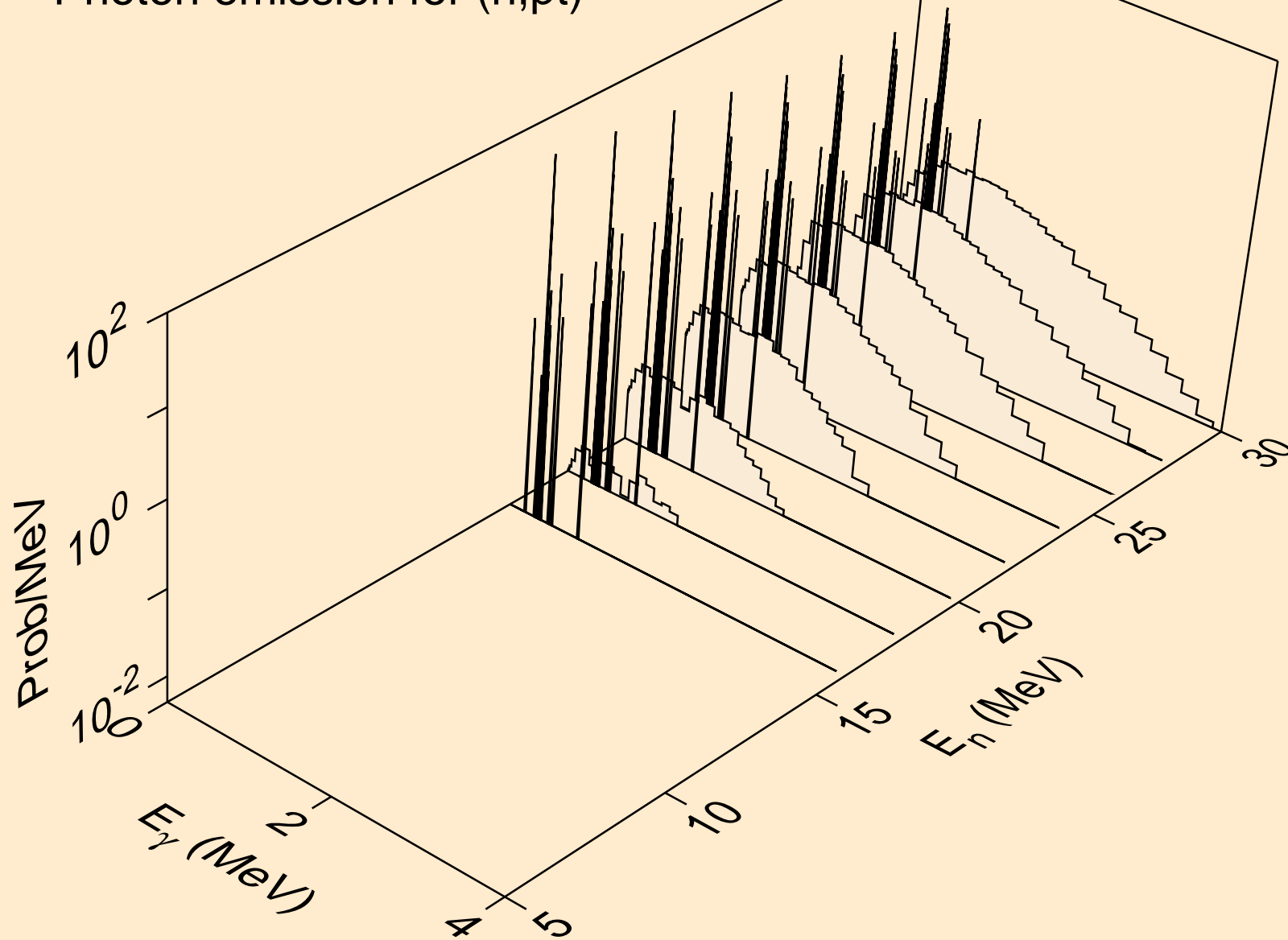
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t2a)



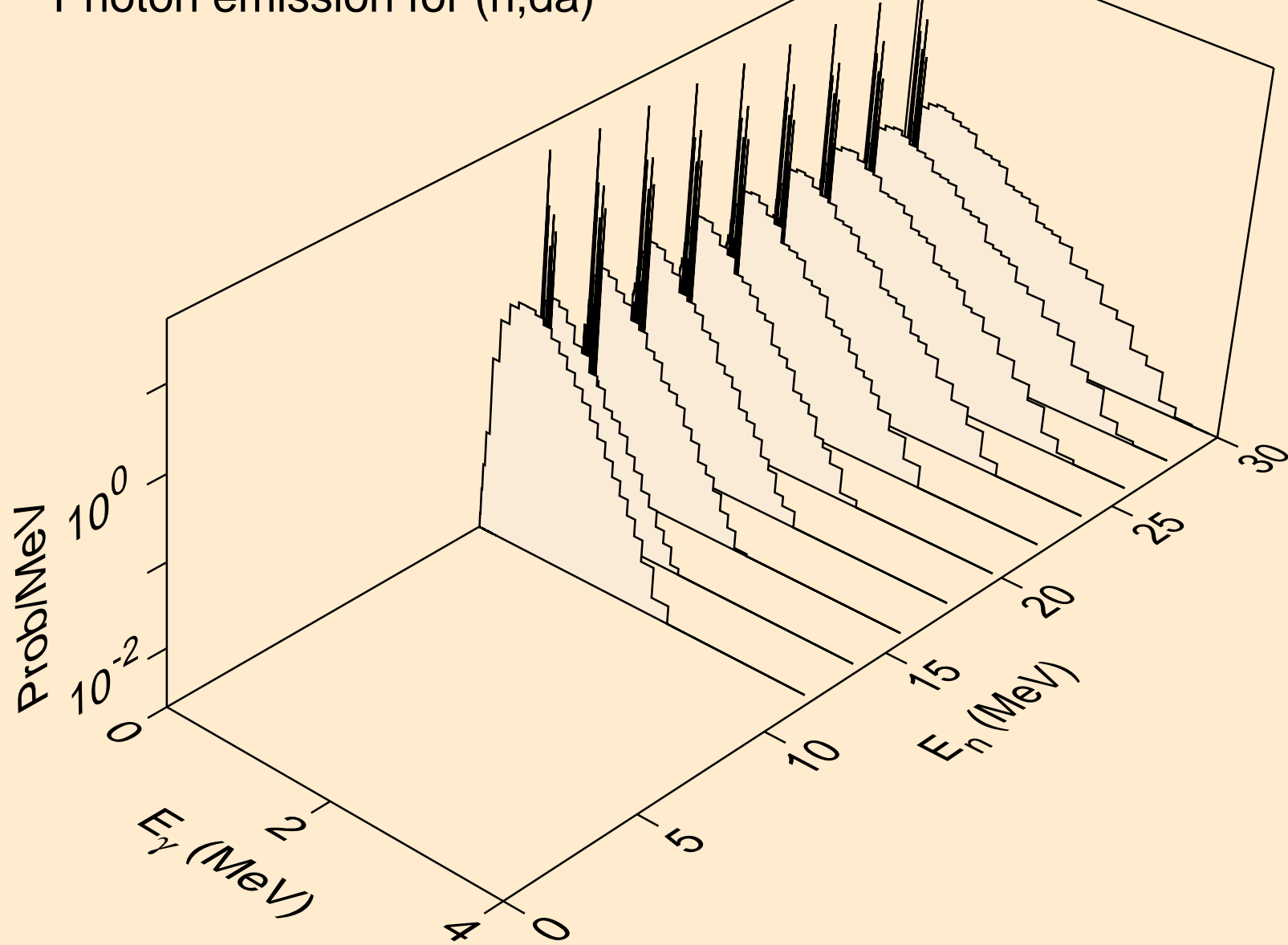
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)



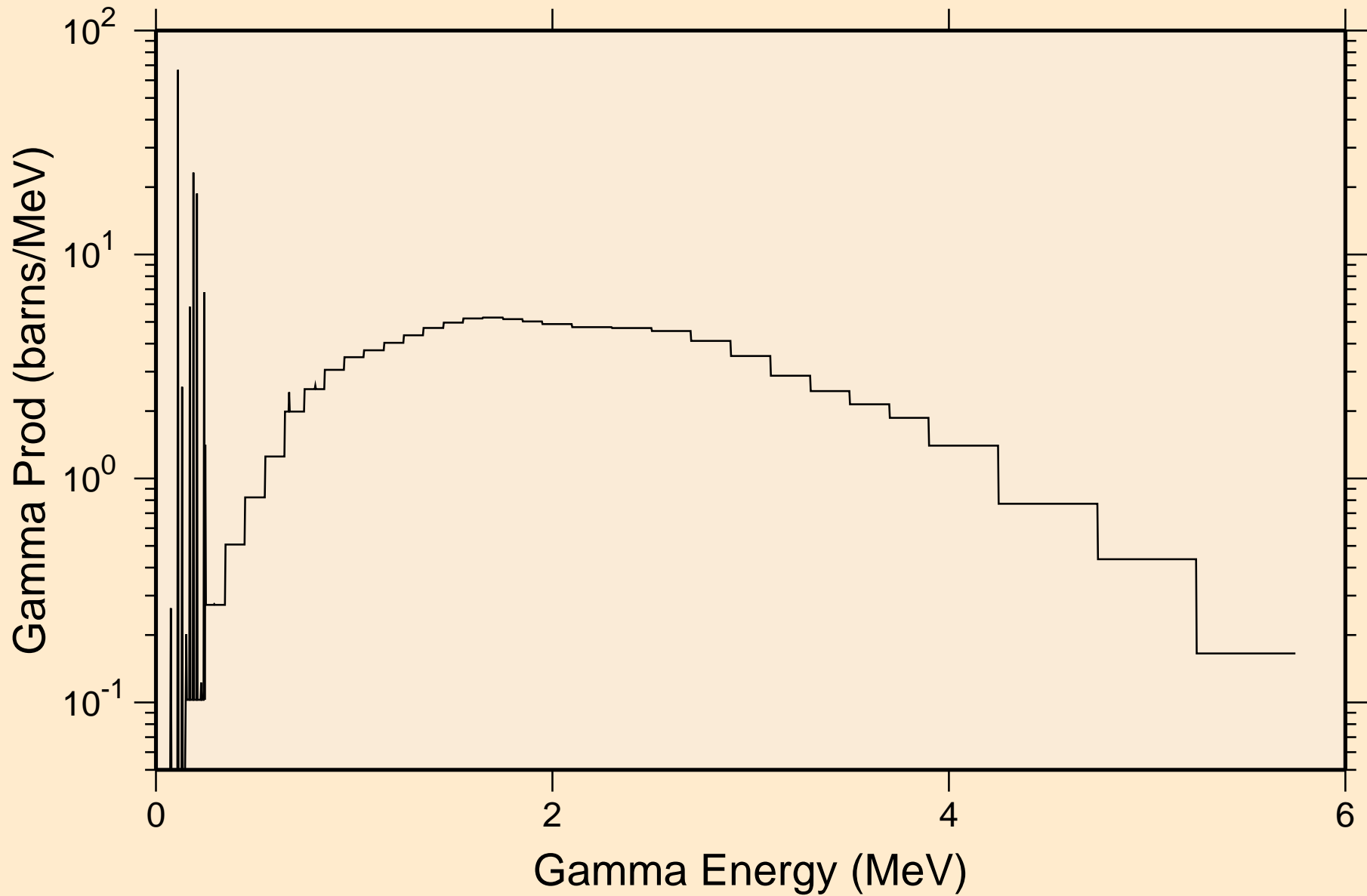
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)



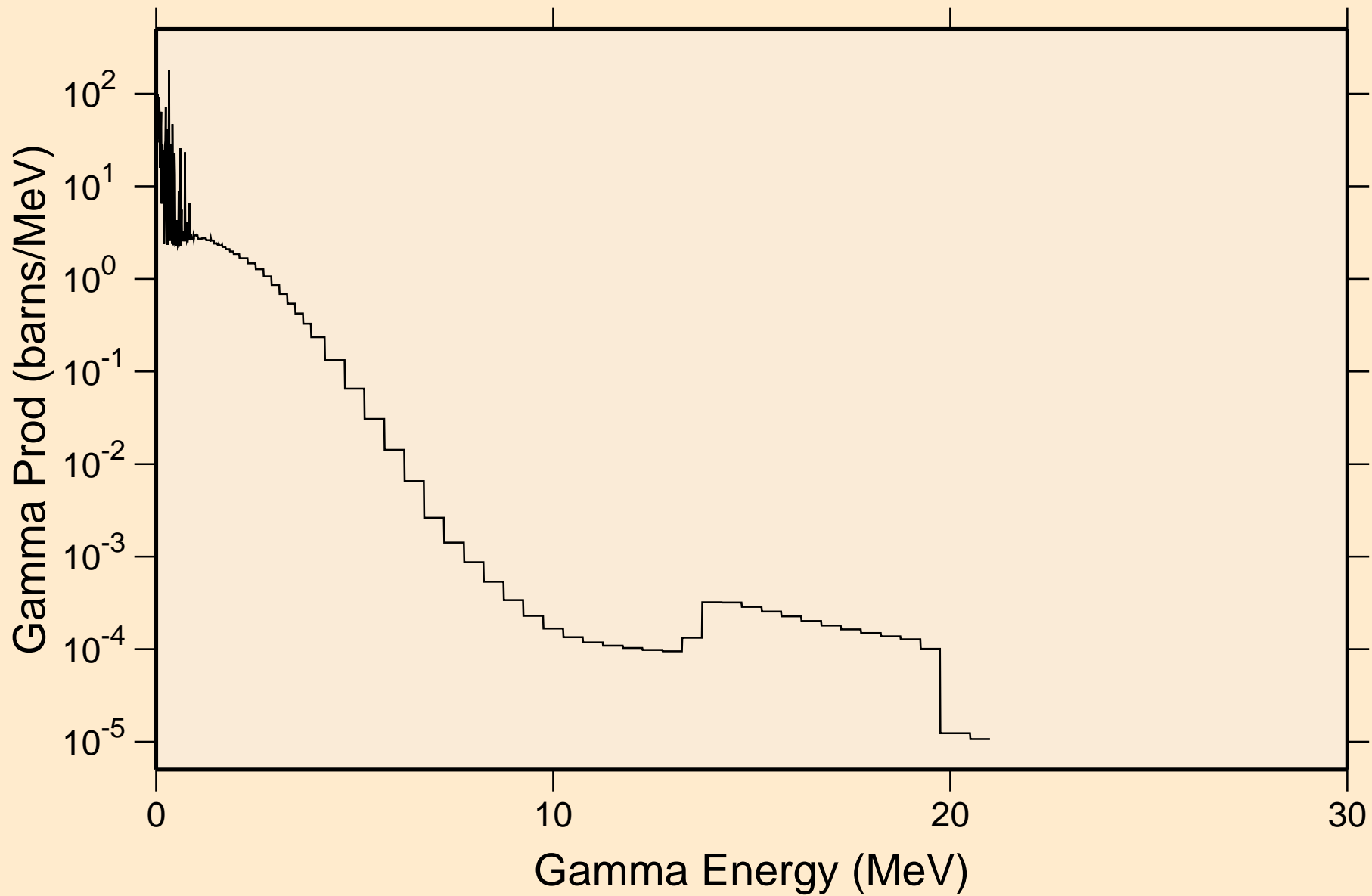
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)



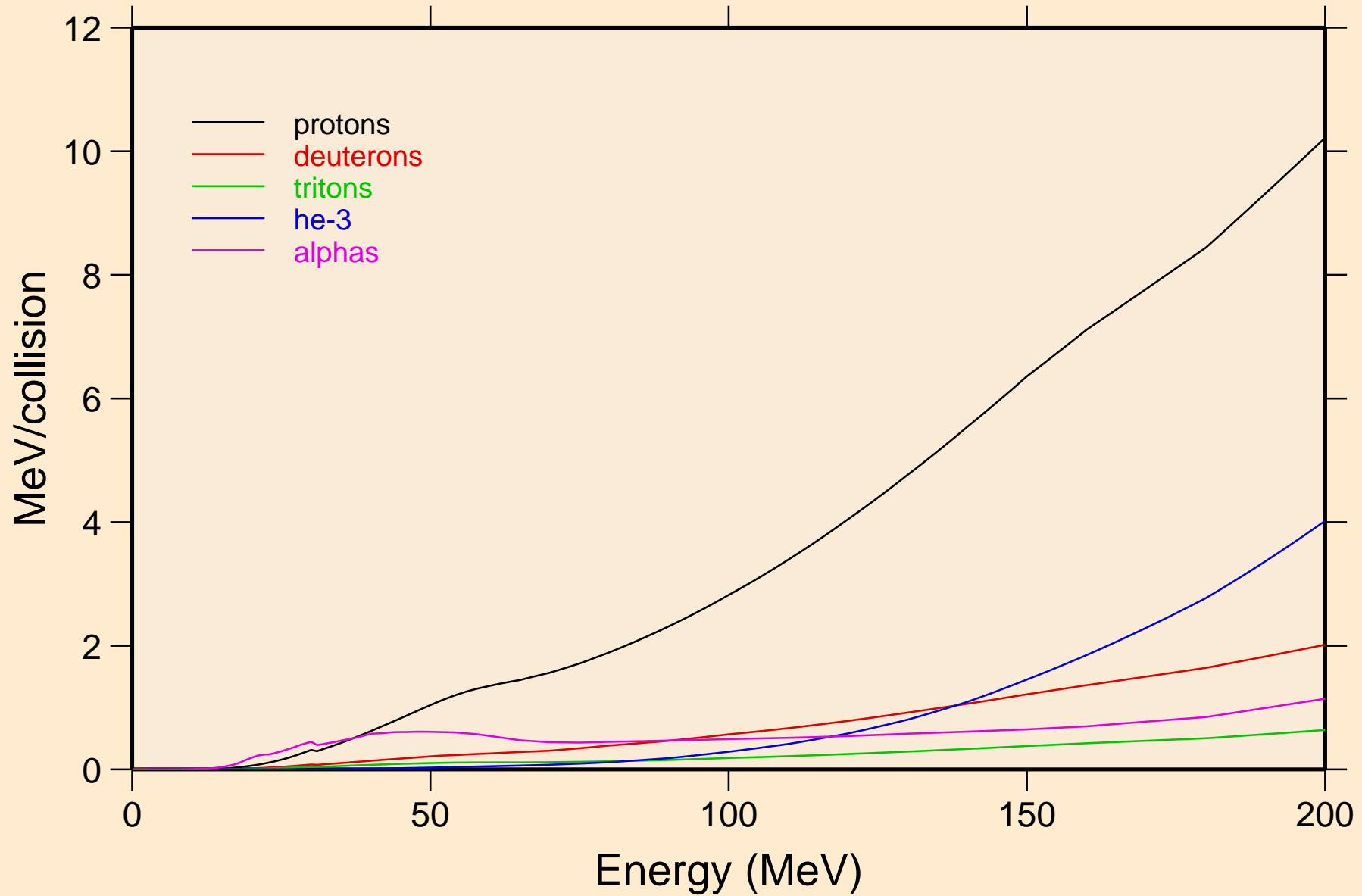
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
thermal capture photon spectrum



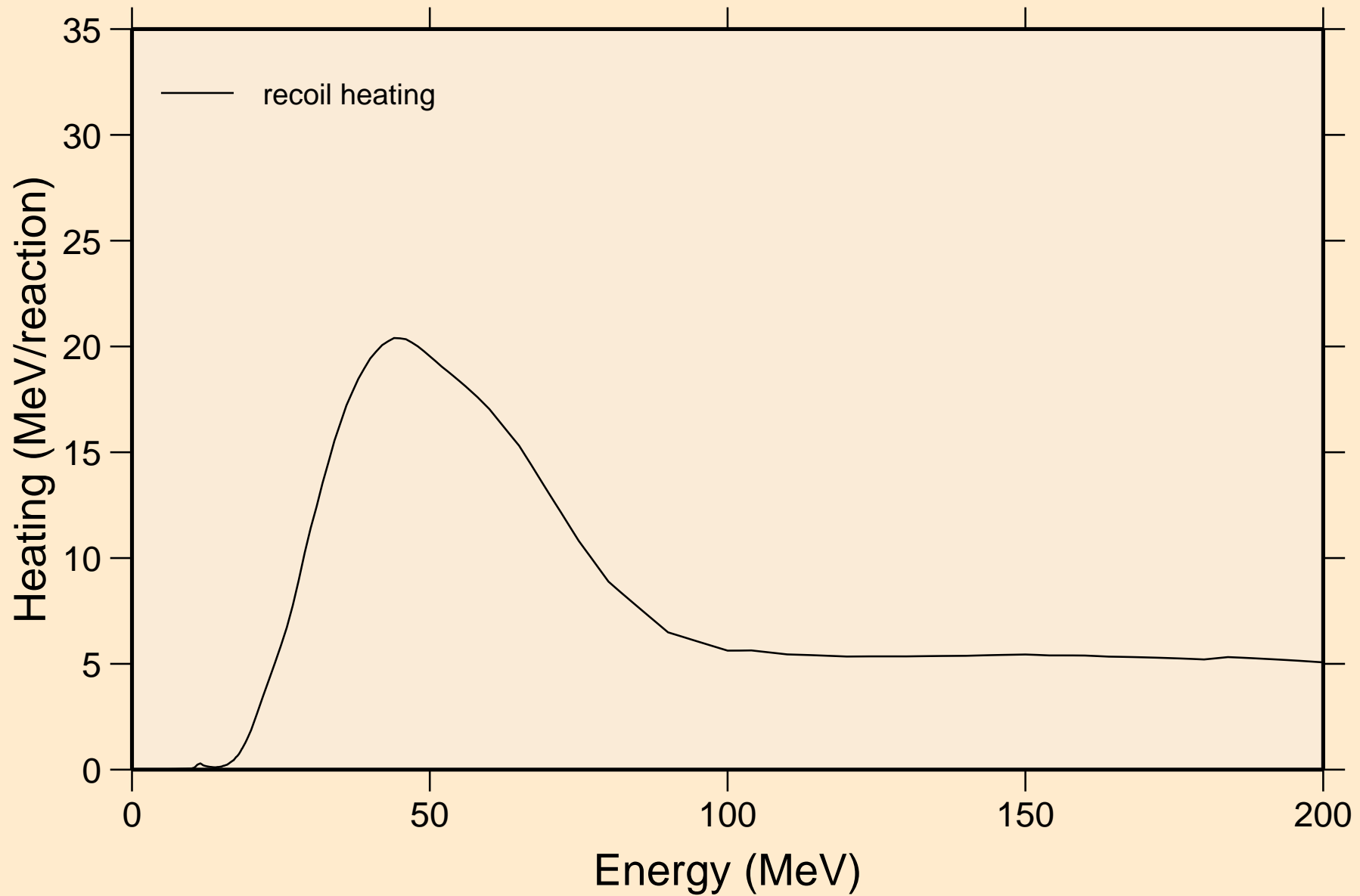
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
14 MeV photon spectrum



RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Particle heating contributions

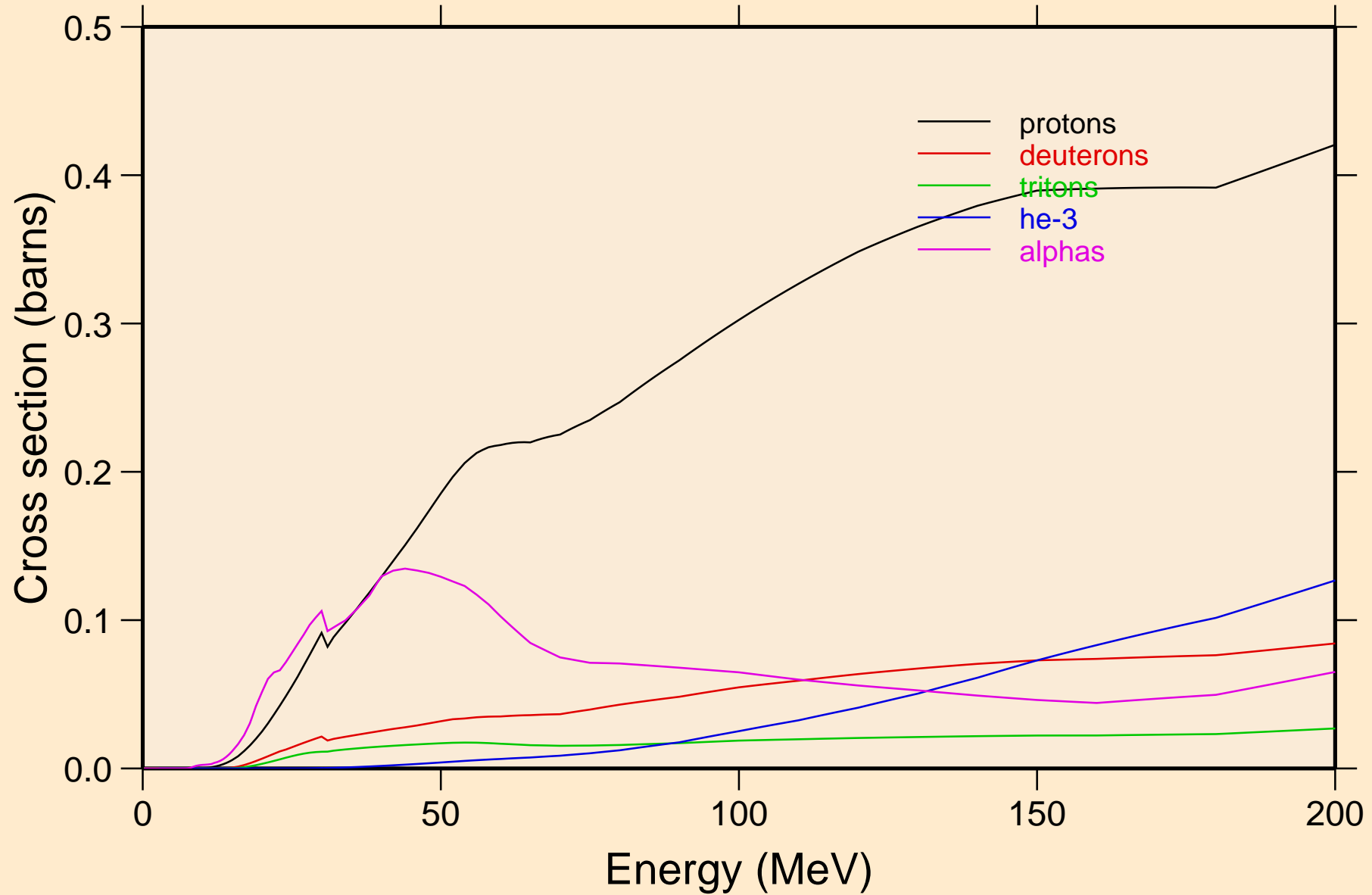


RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating

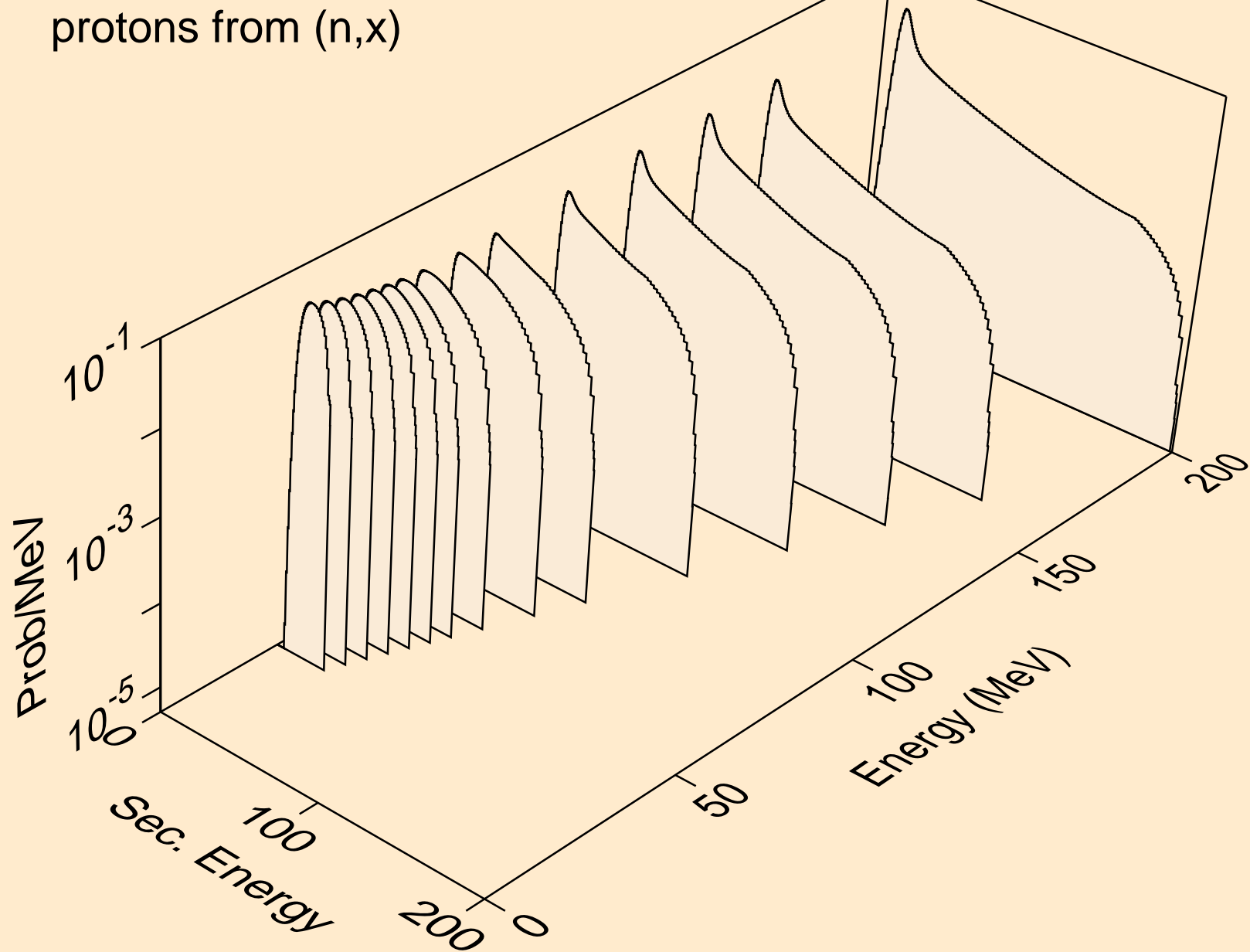


# RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

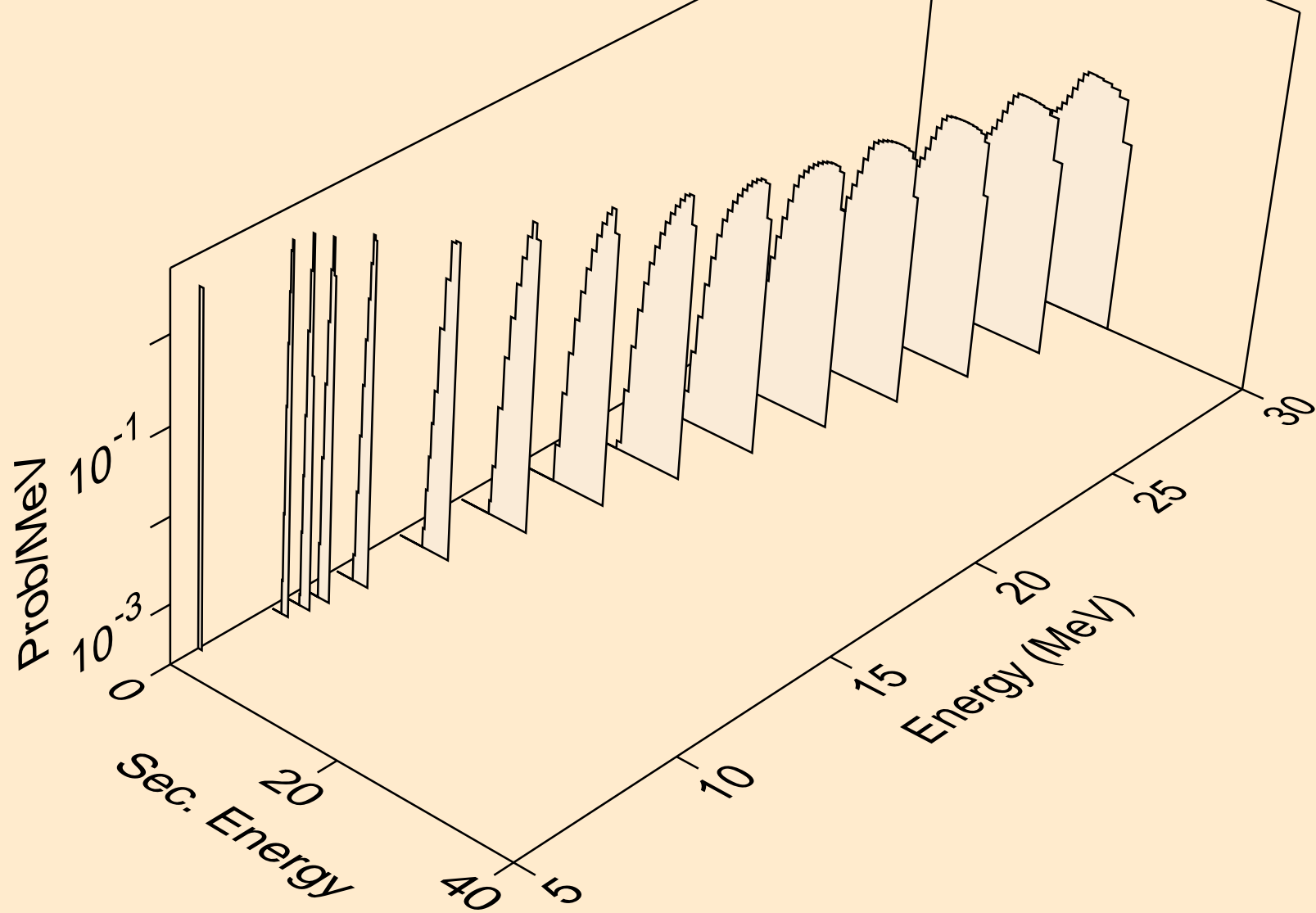
## Particle production cross sections



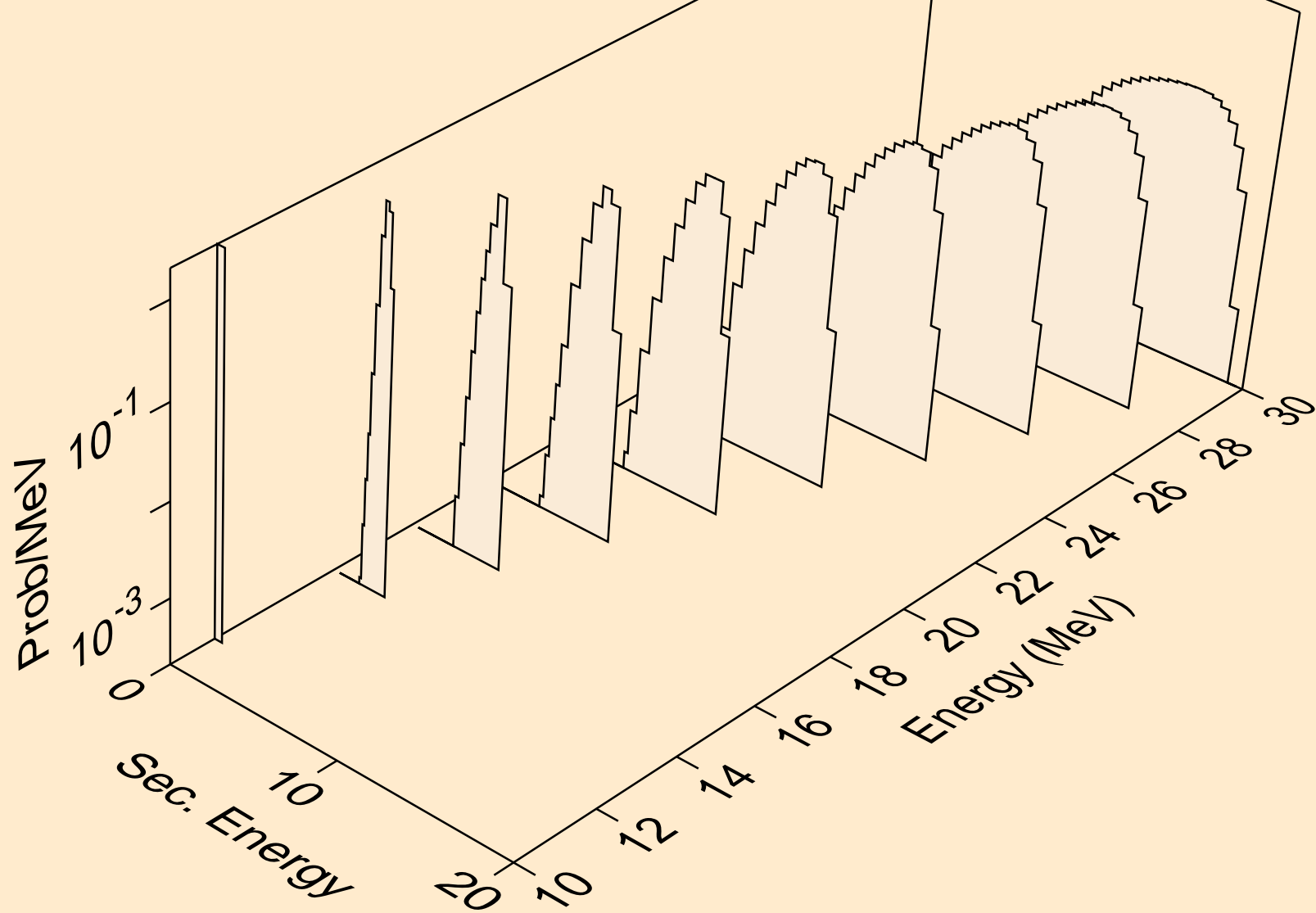
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,x)



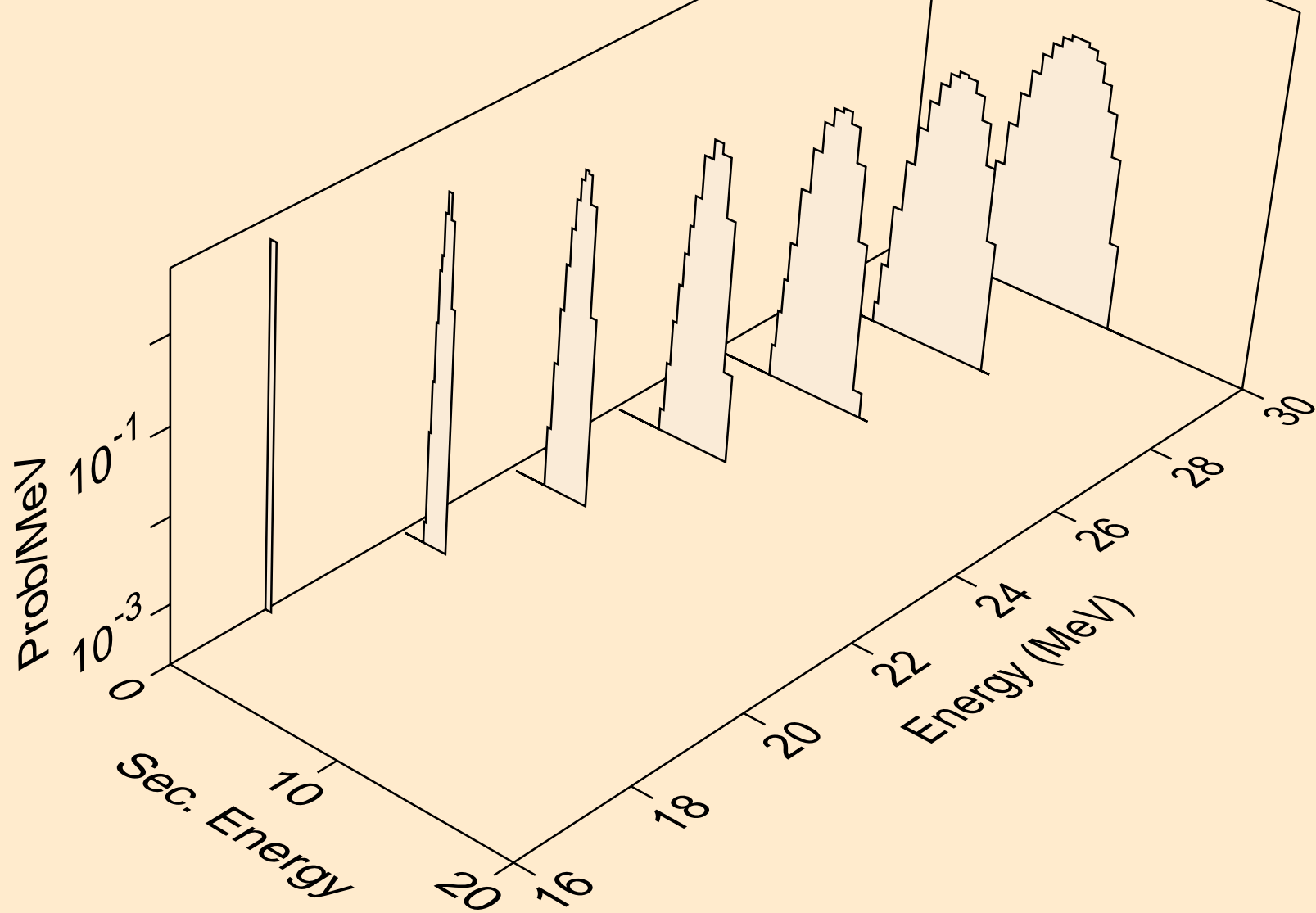
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n\*)p



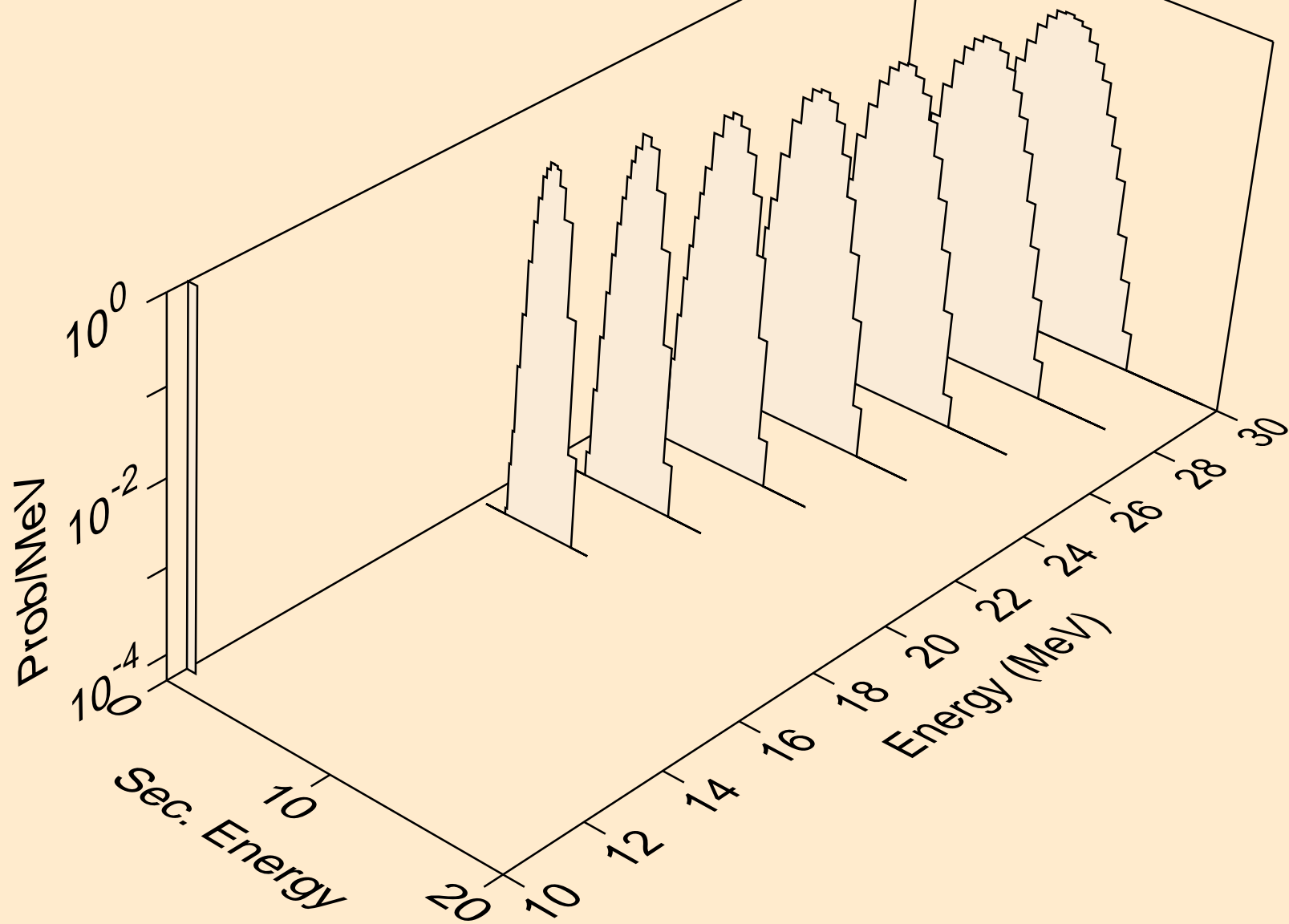
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,2np)



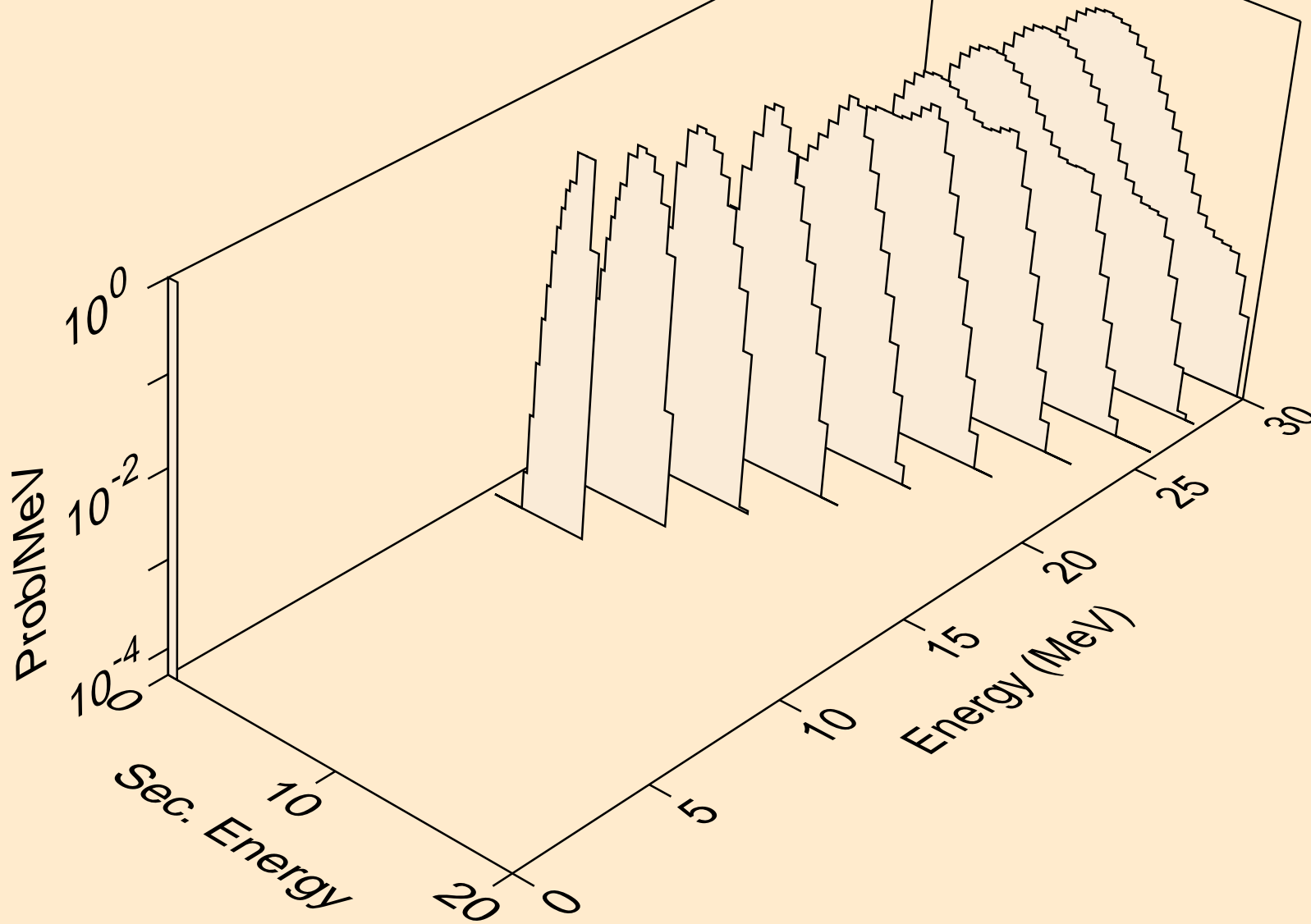
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,3np)



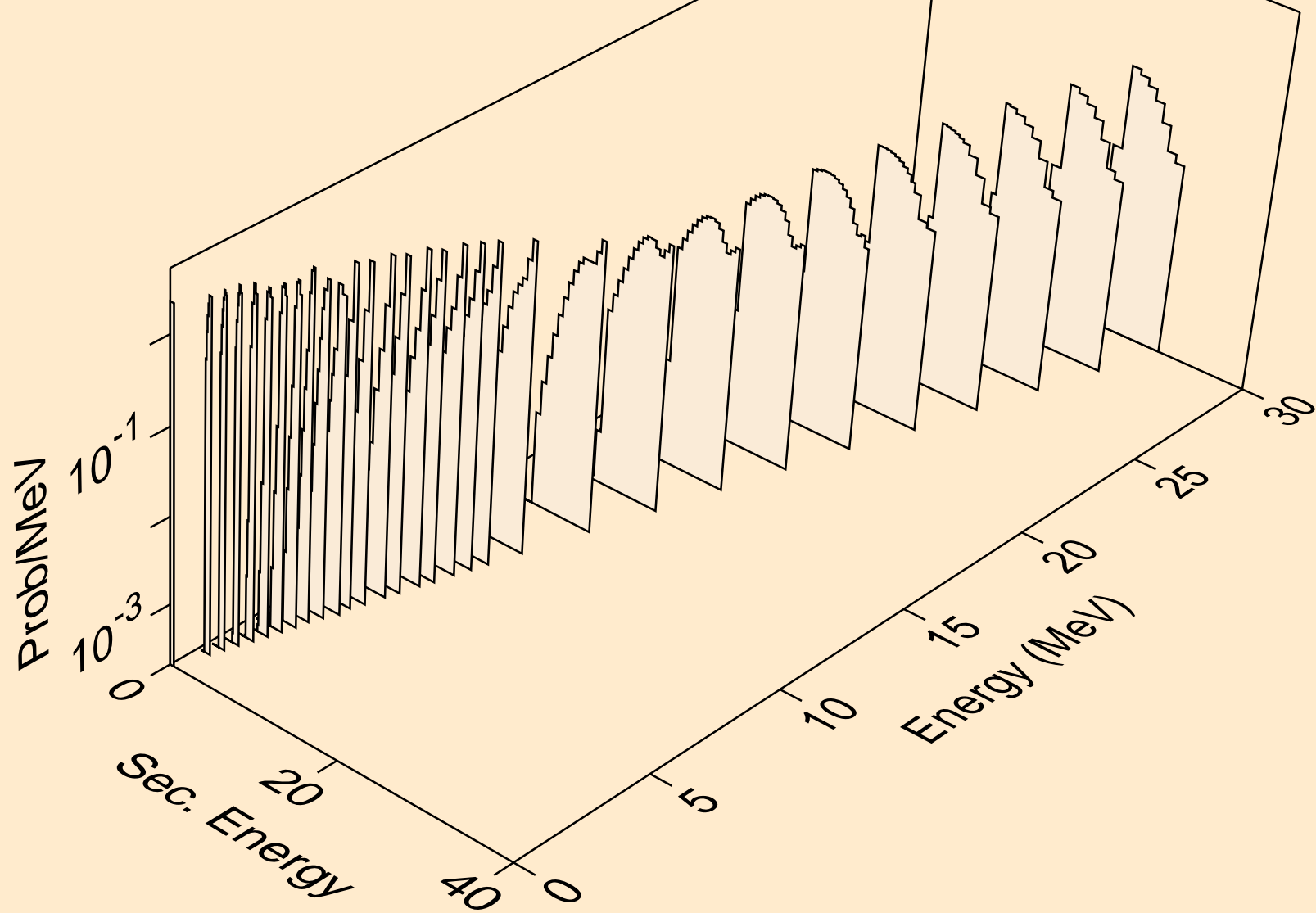
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n2p)



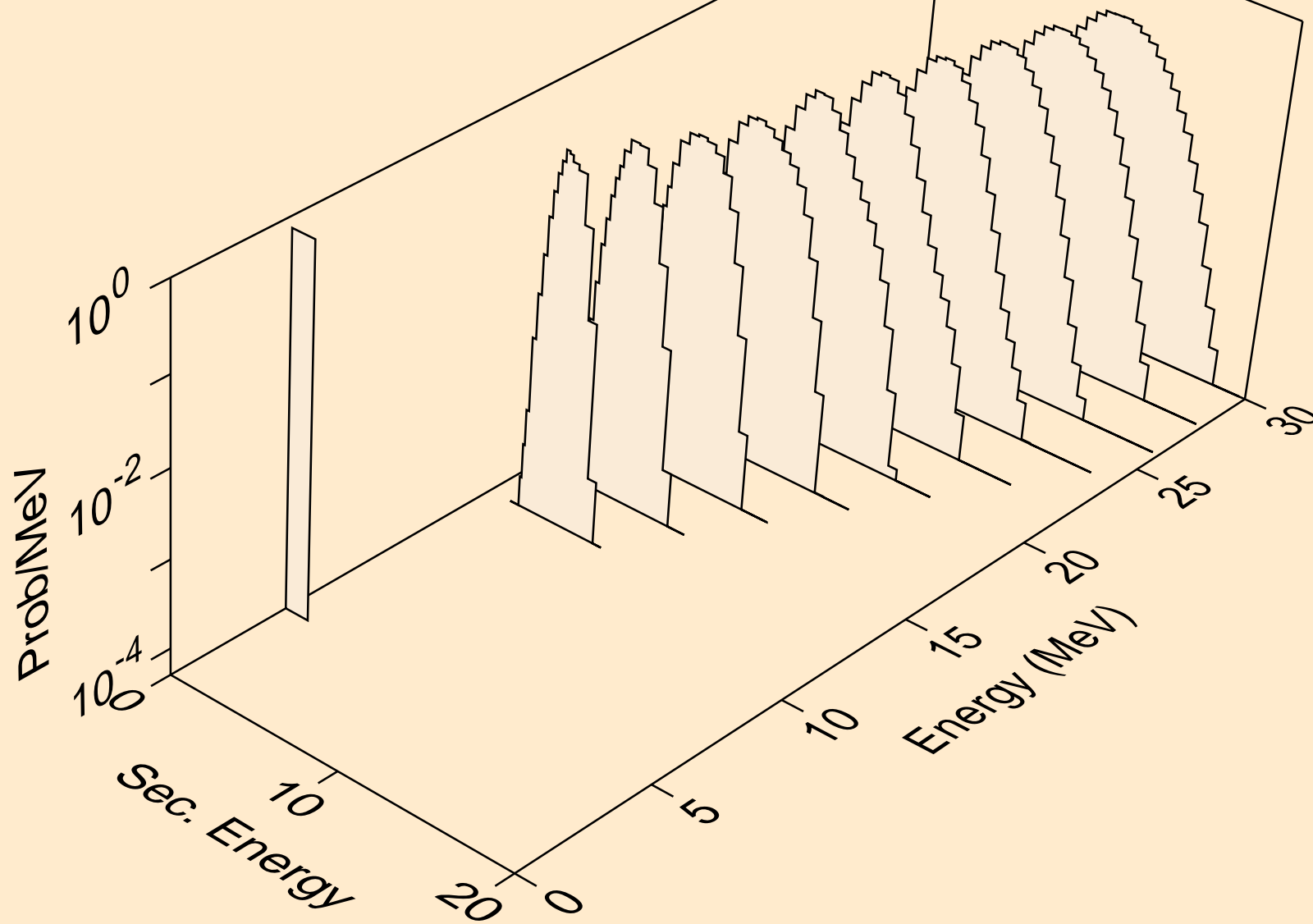
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,npa)



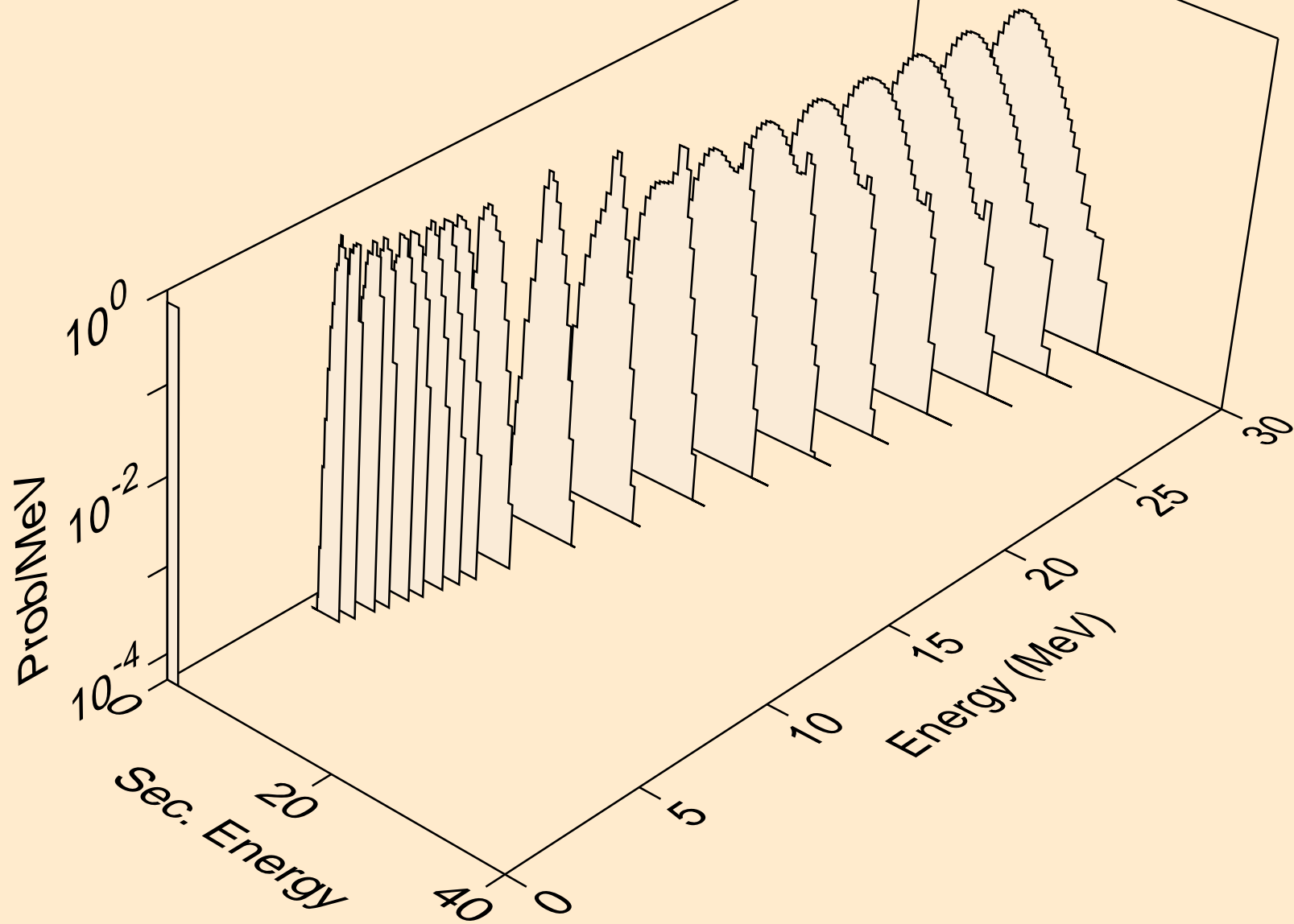
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,p)



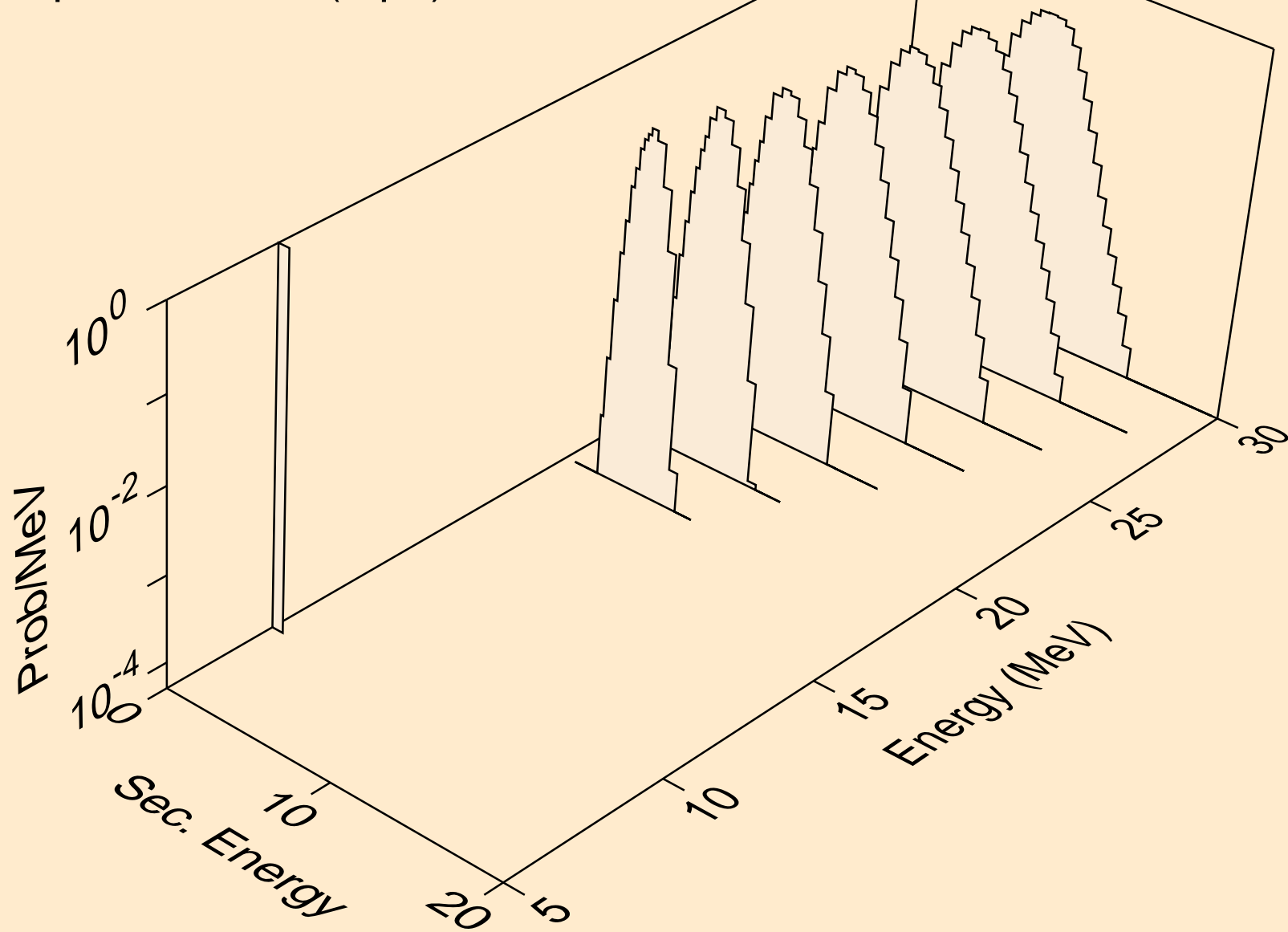
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,2p)



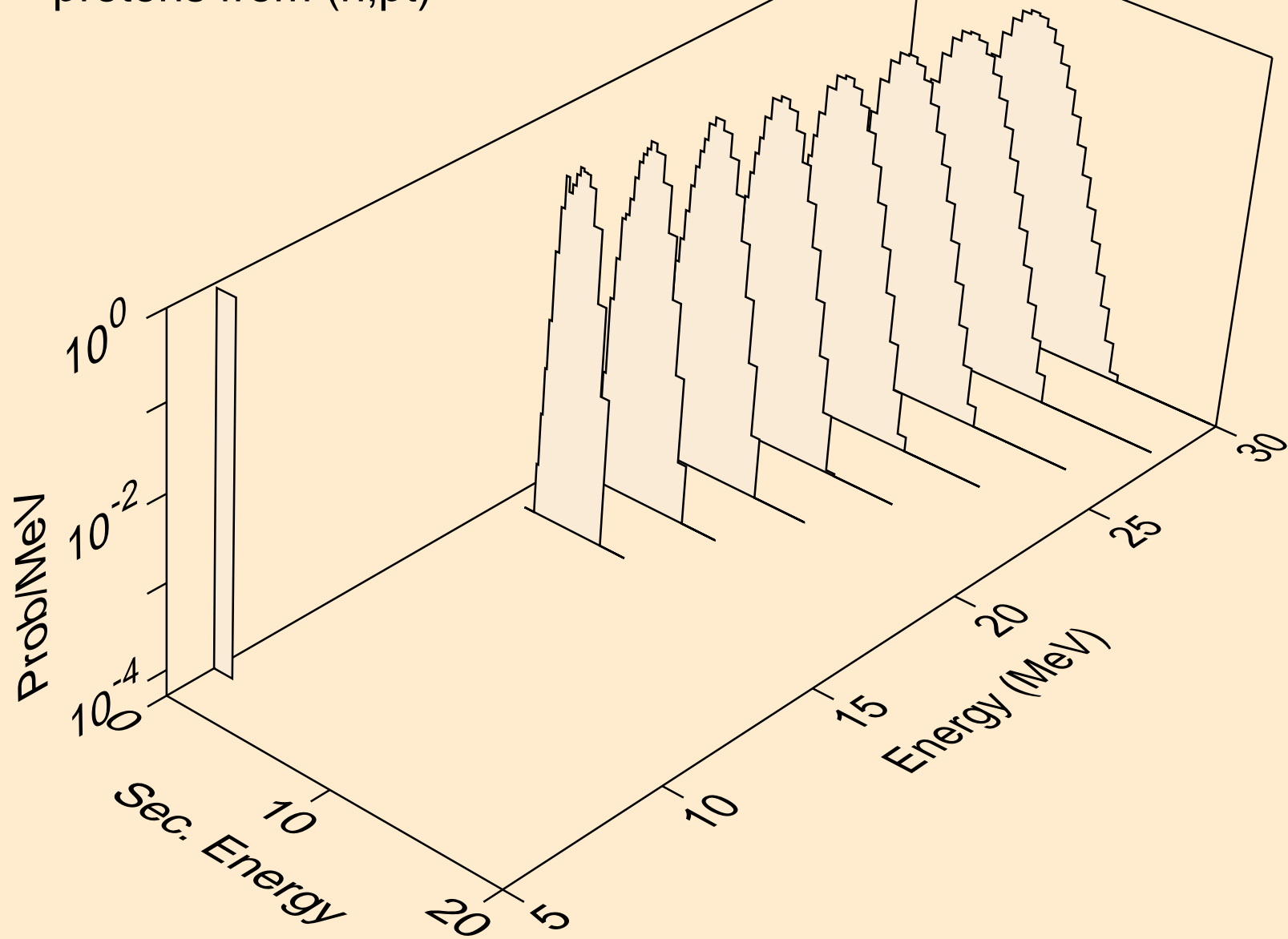
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,p)



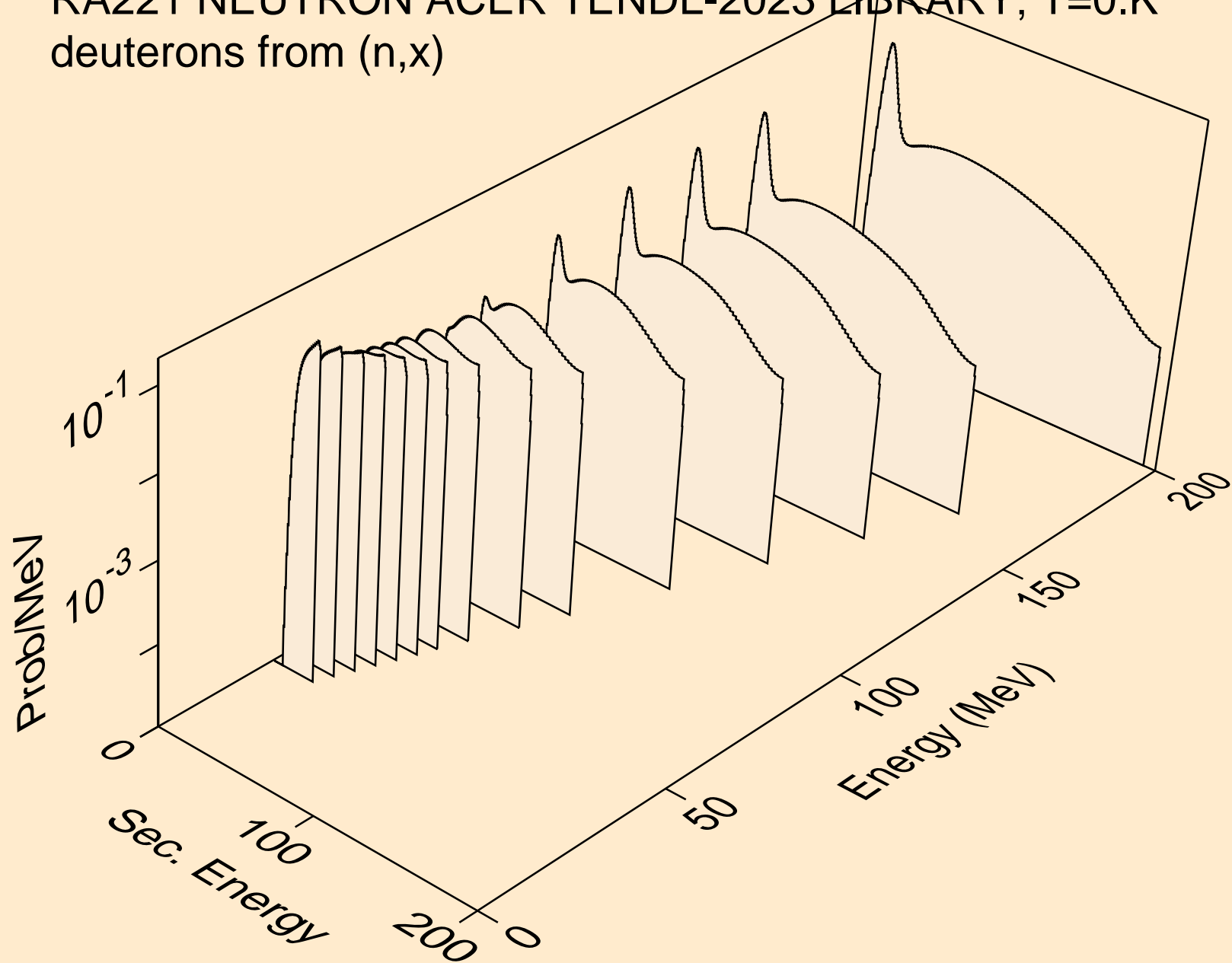
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,pd)



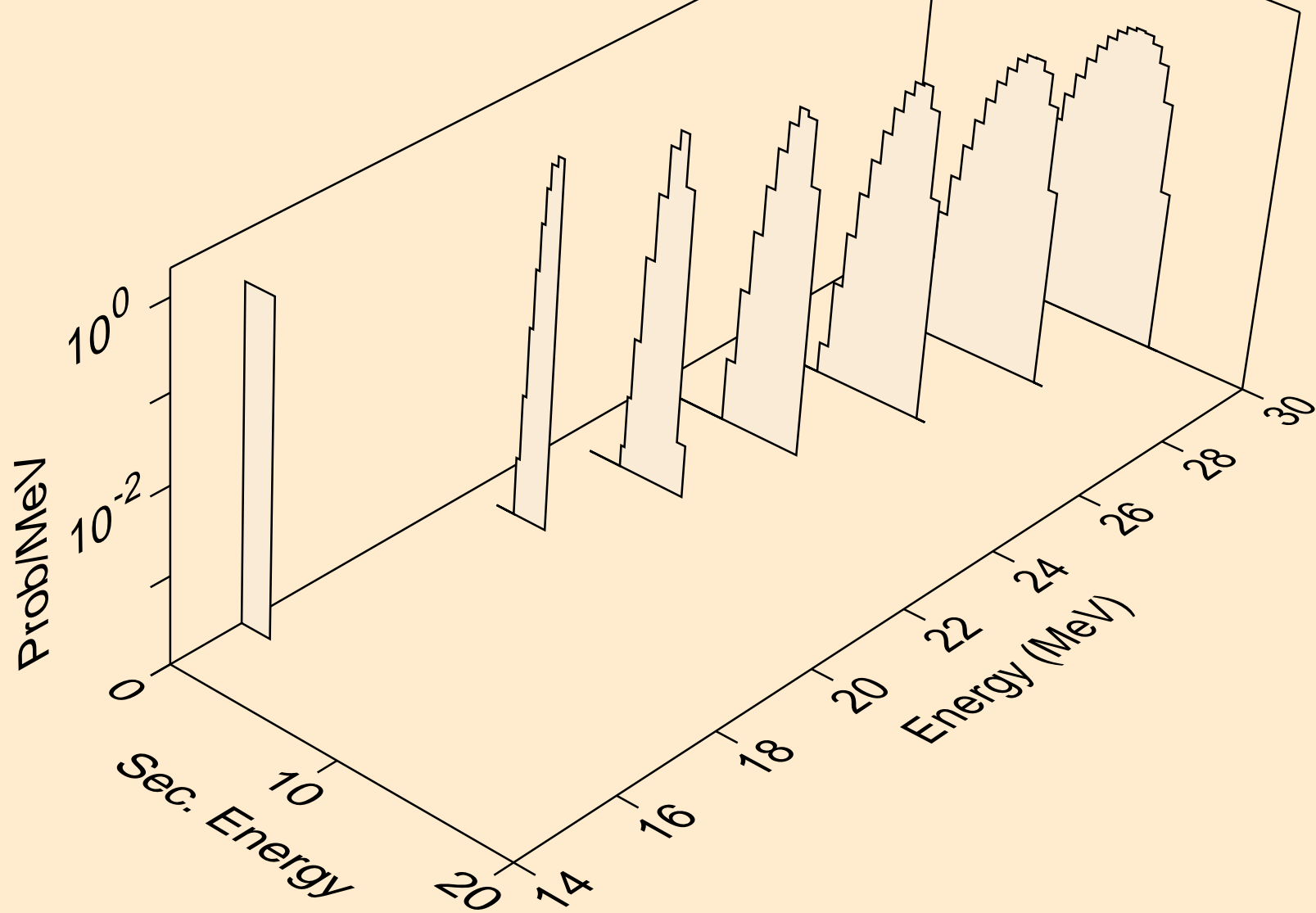
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,pt)



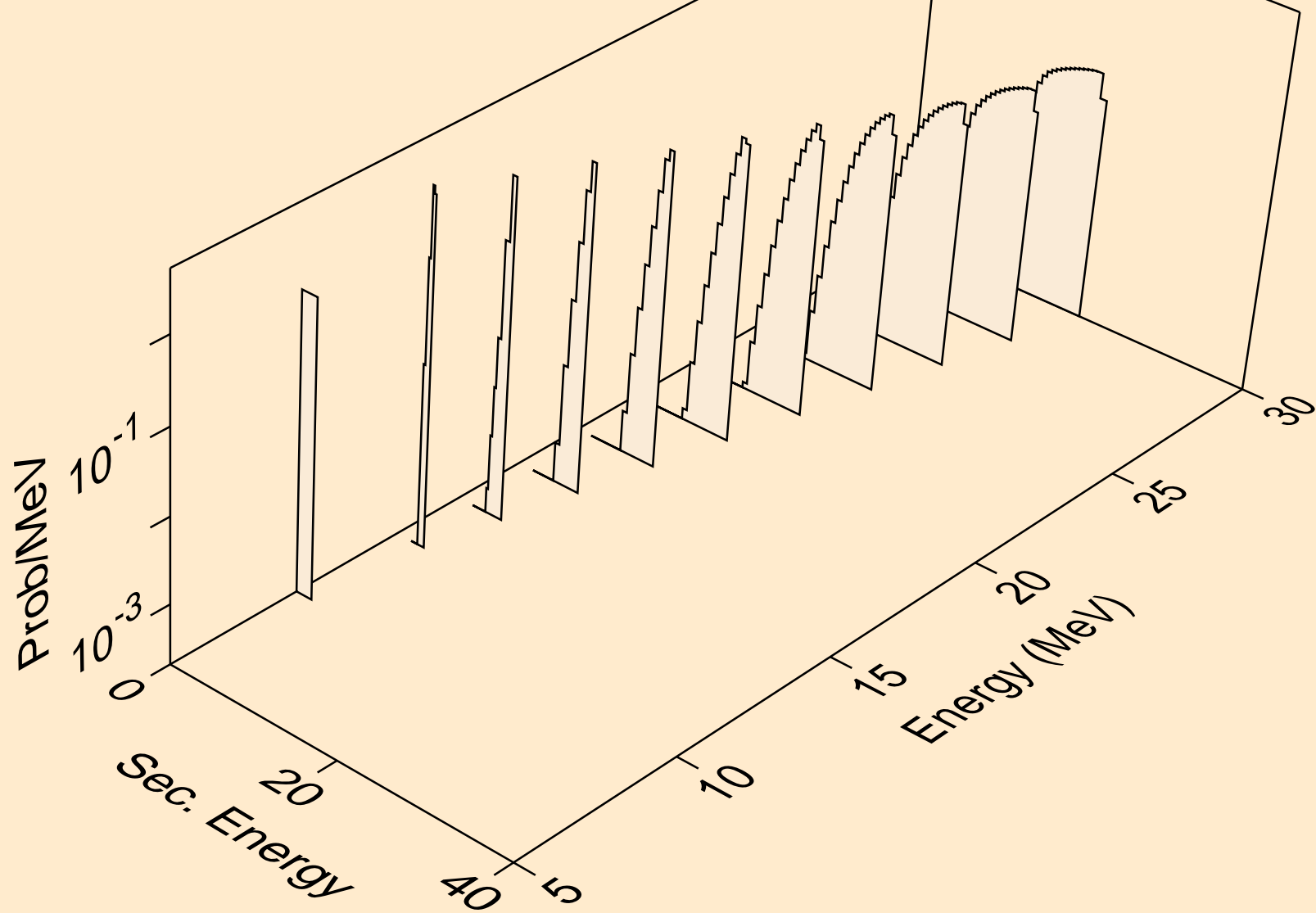
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,x)



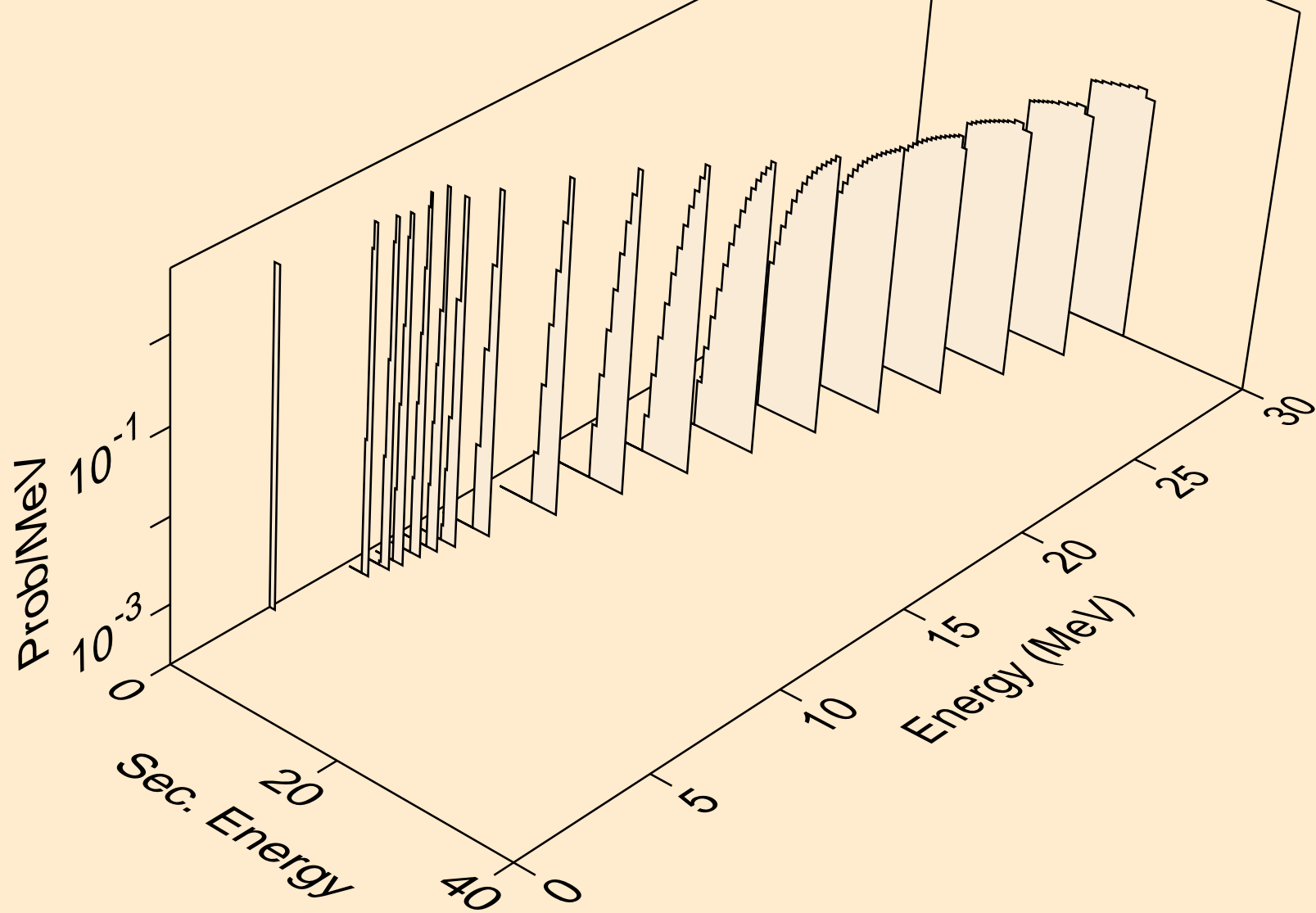
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,2nd)



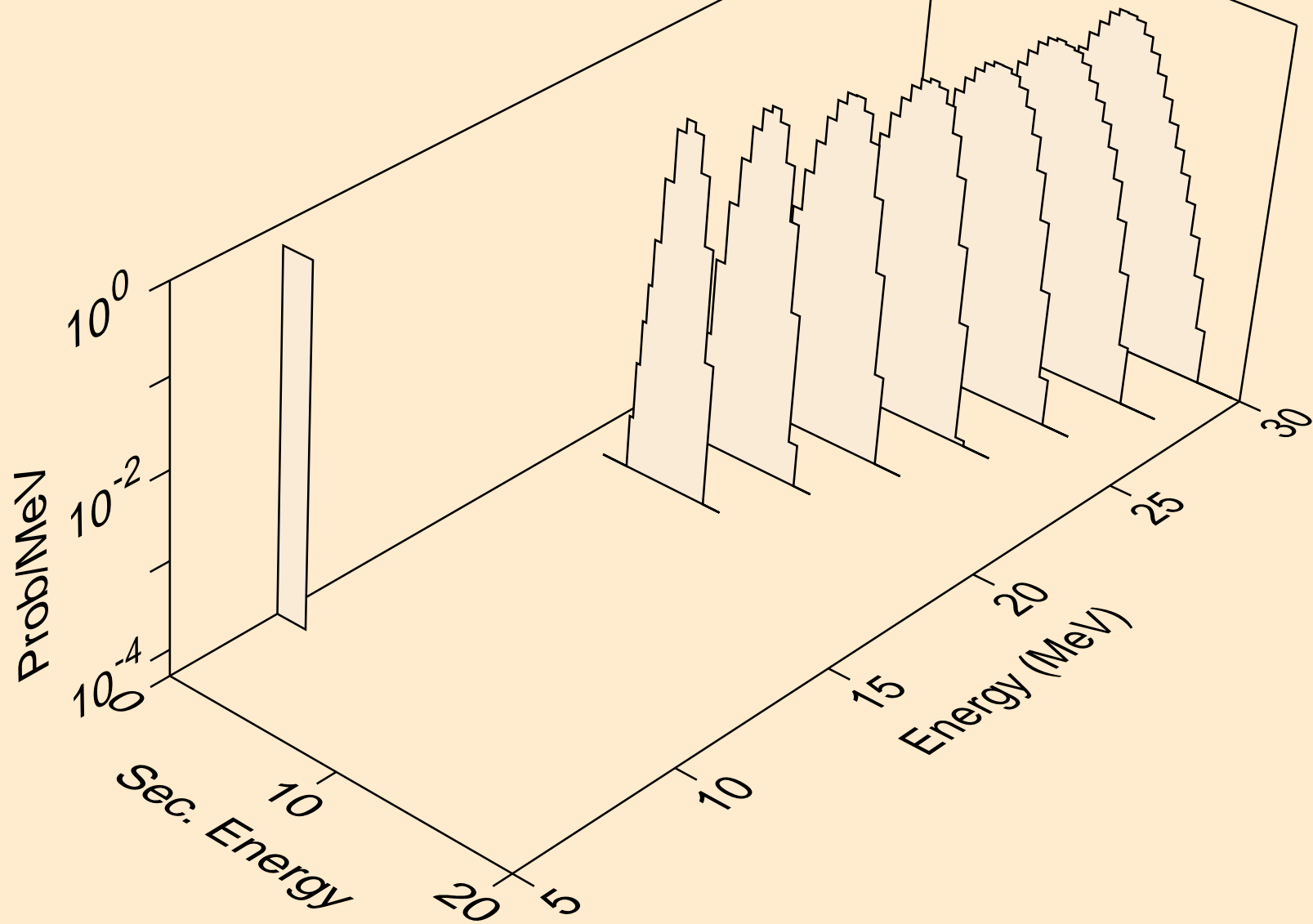
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,n\*)d



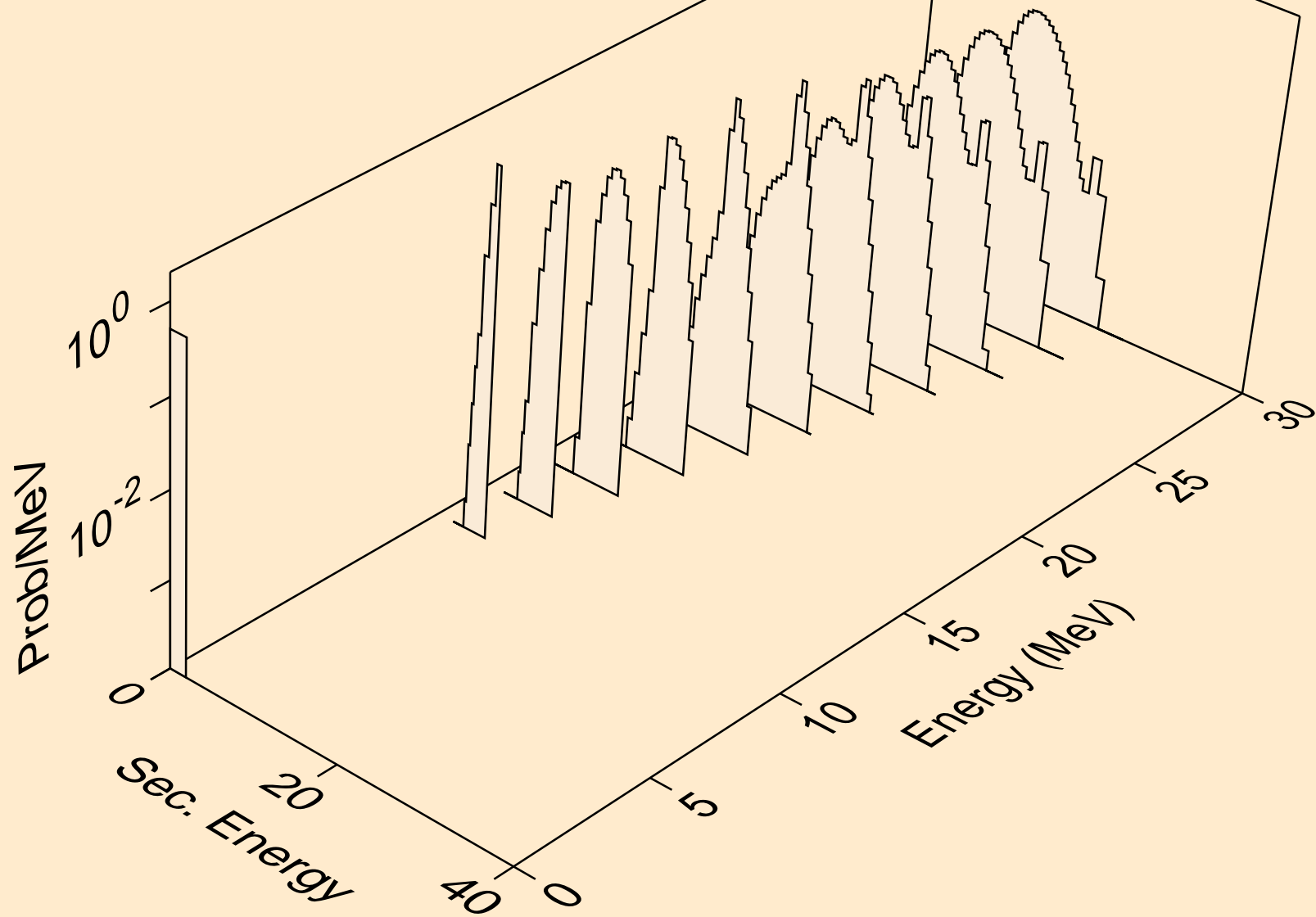
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,d)



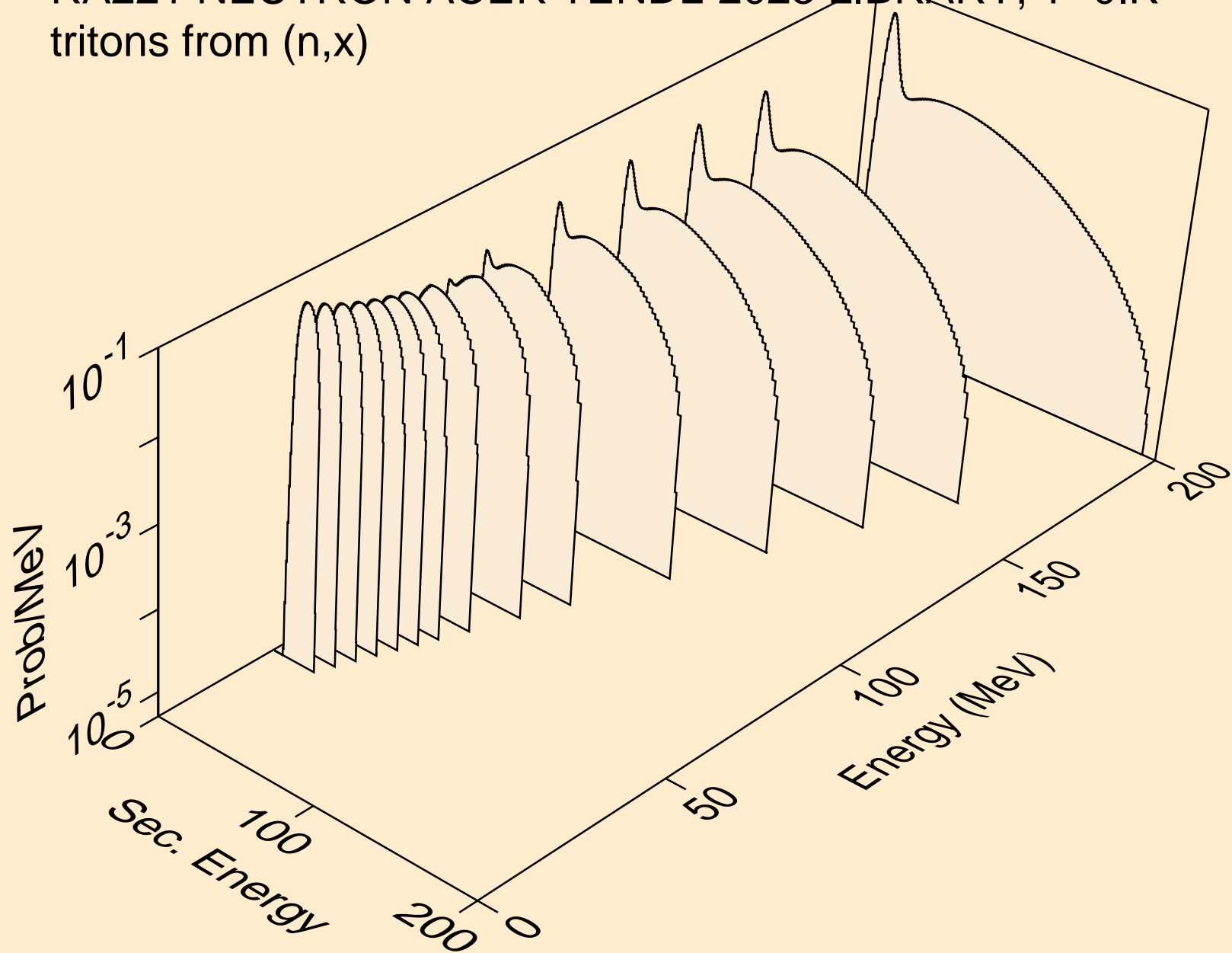
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,pd)



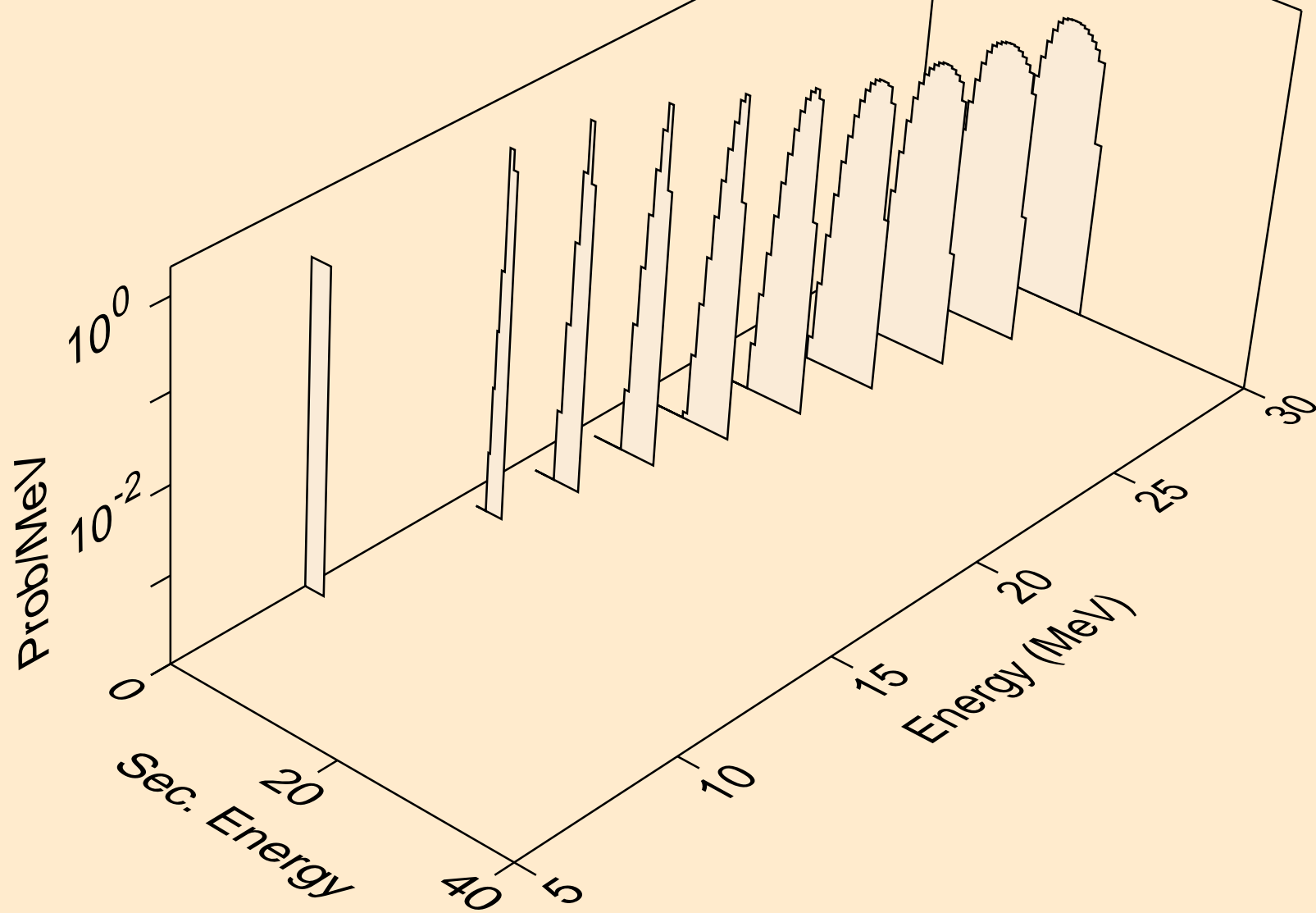
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,da)



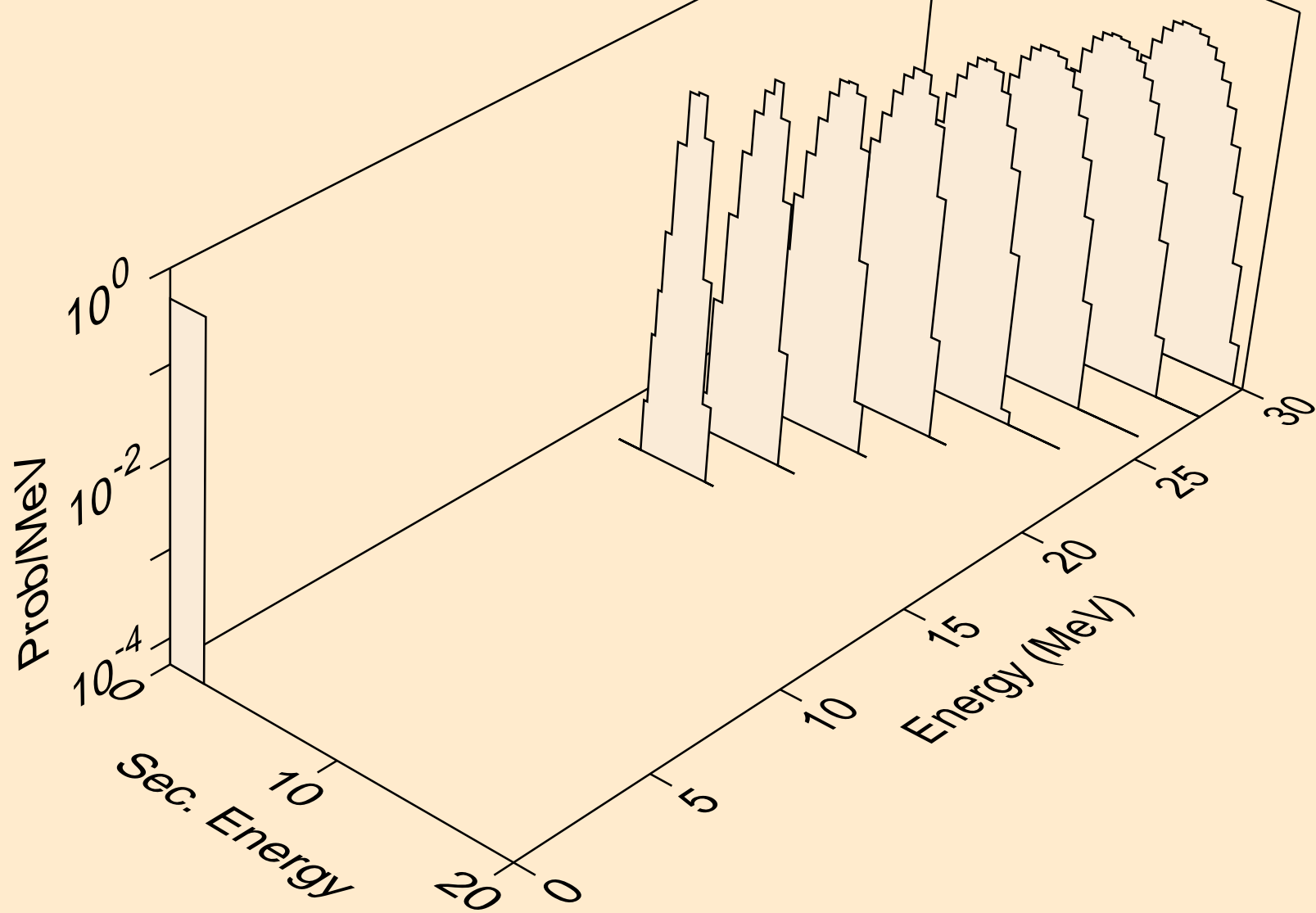
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,x)



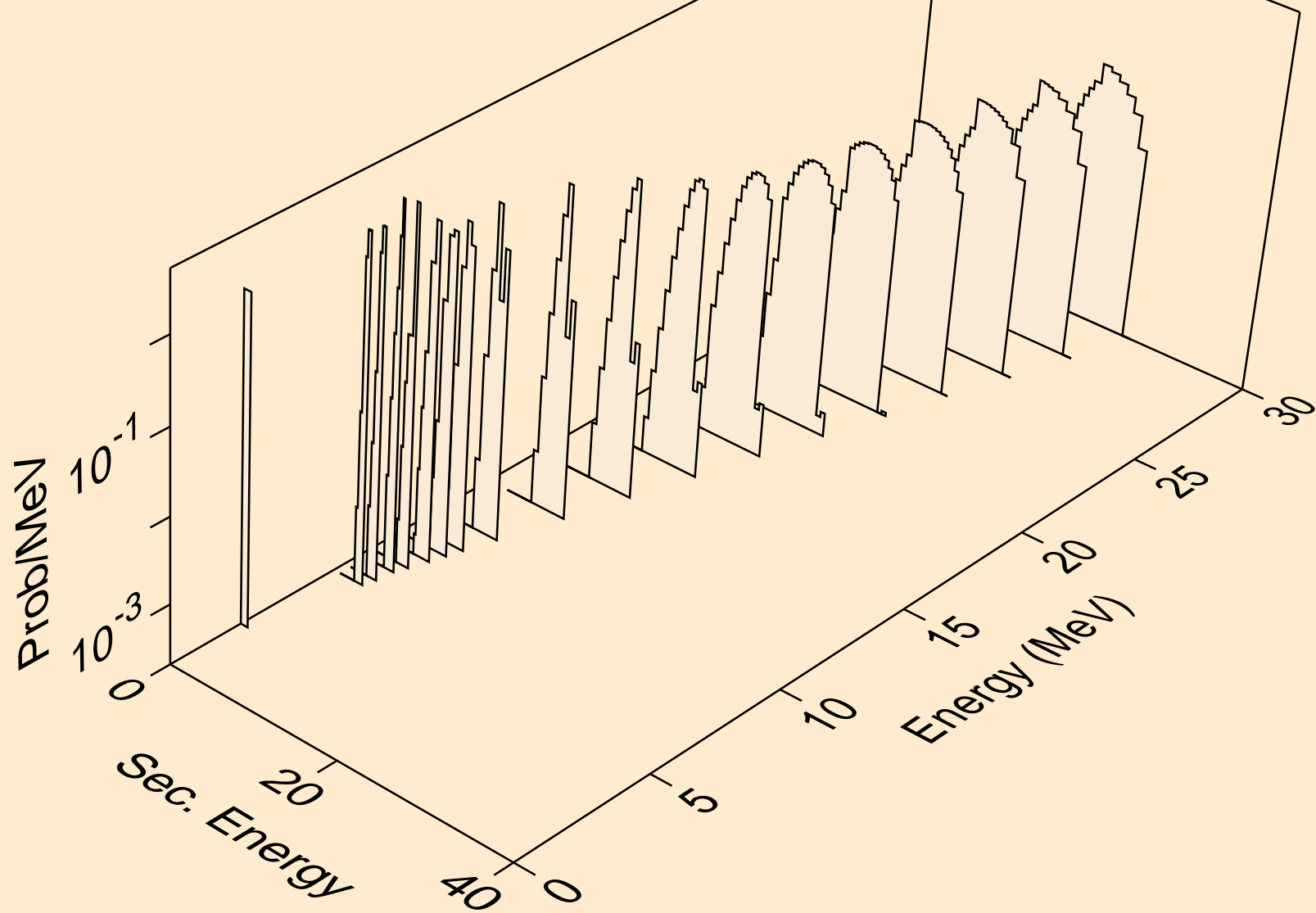
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,n\*)t



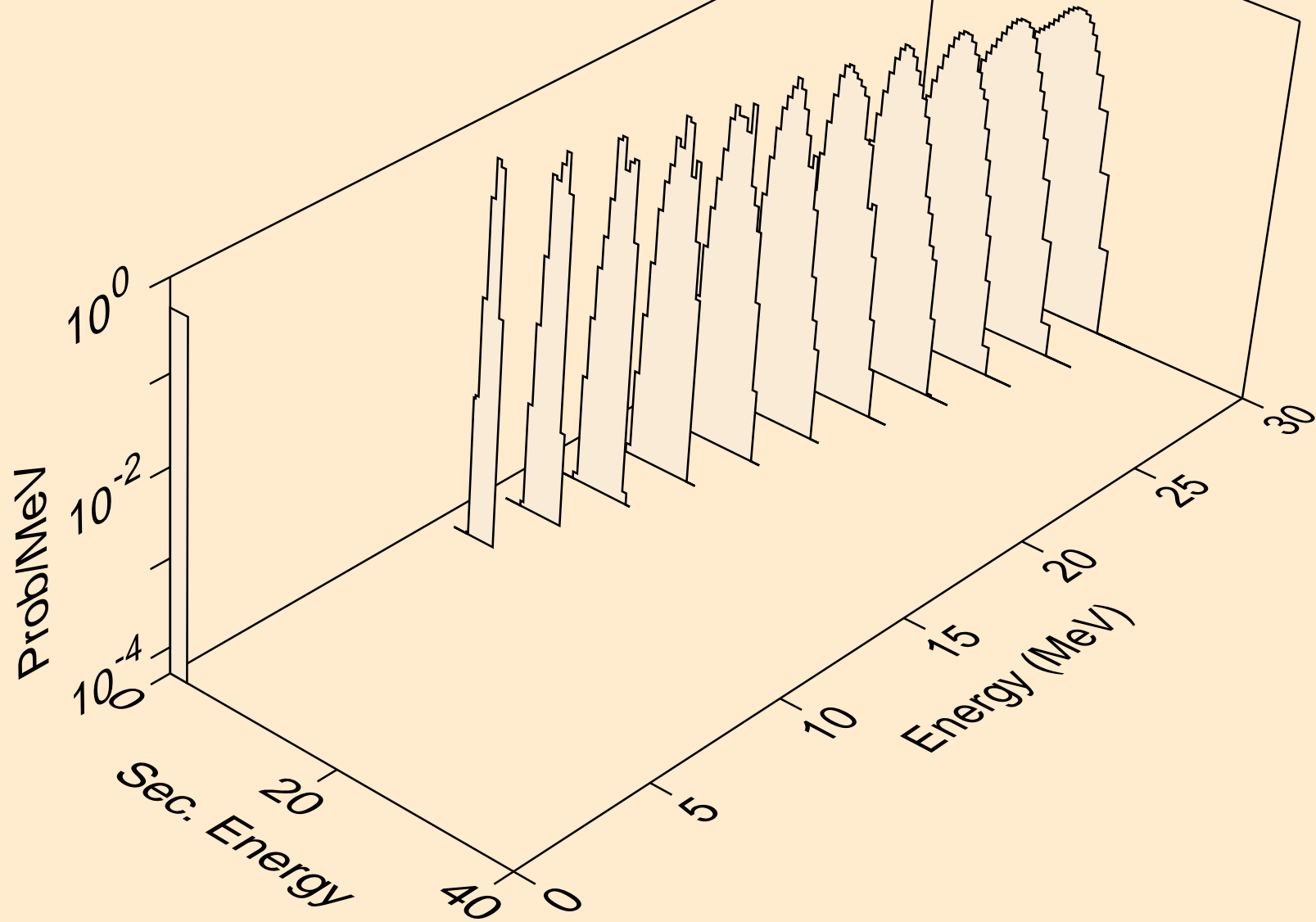
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,n\*)t2a



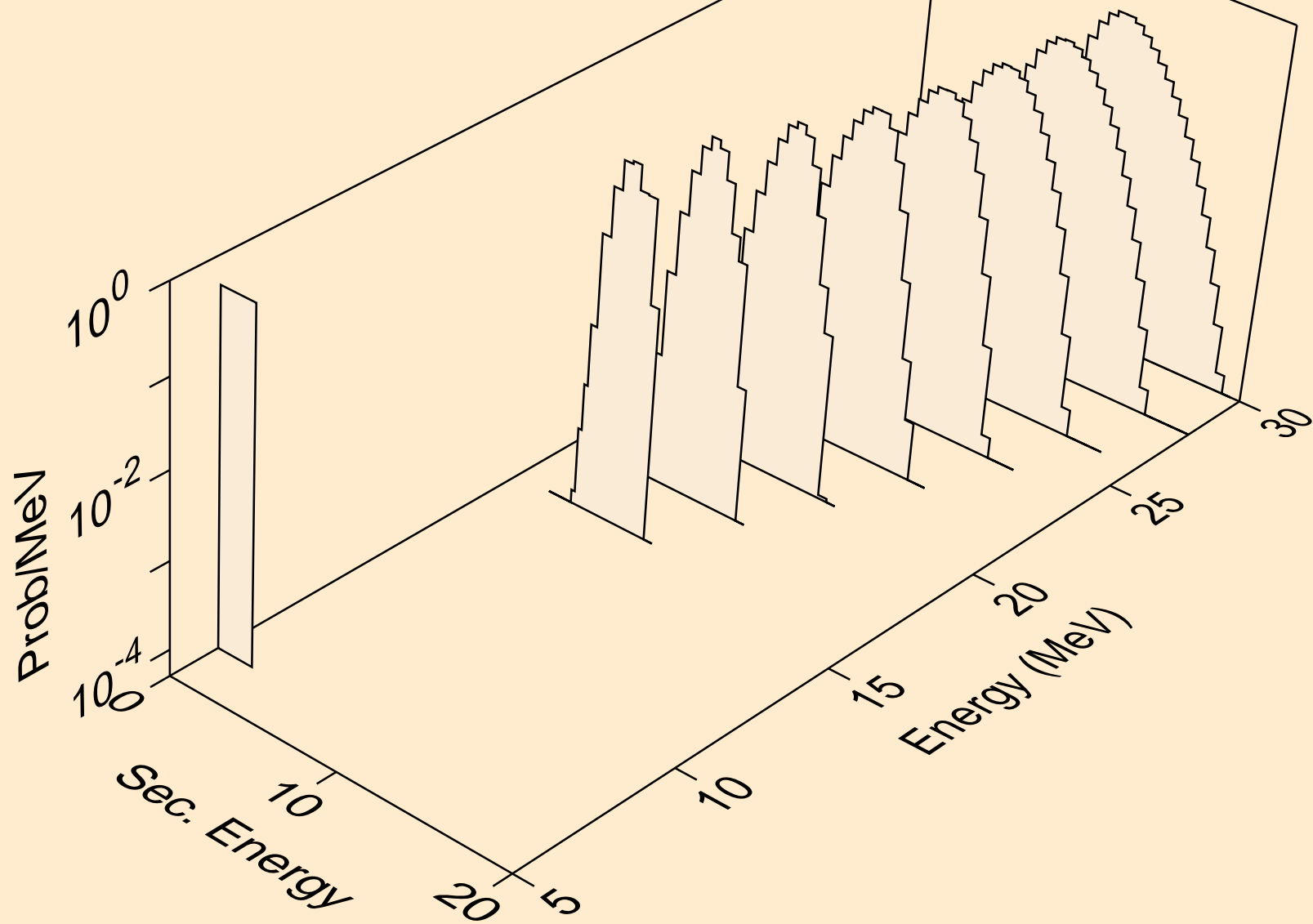
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,t)



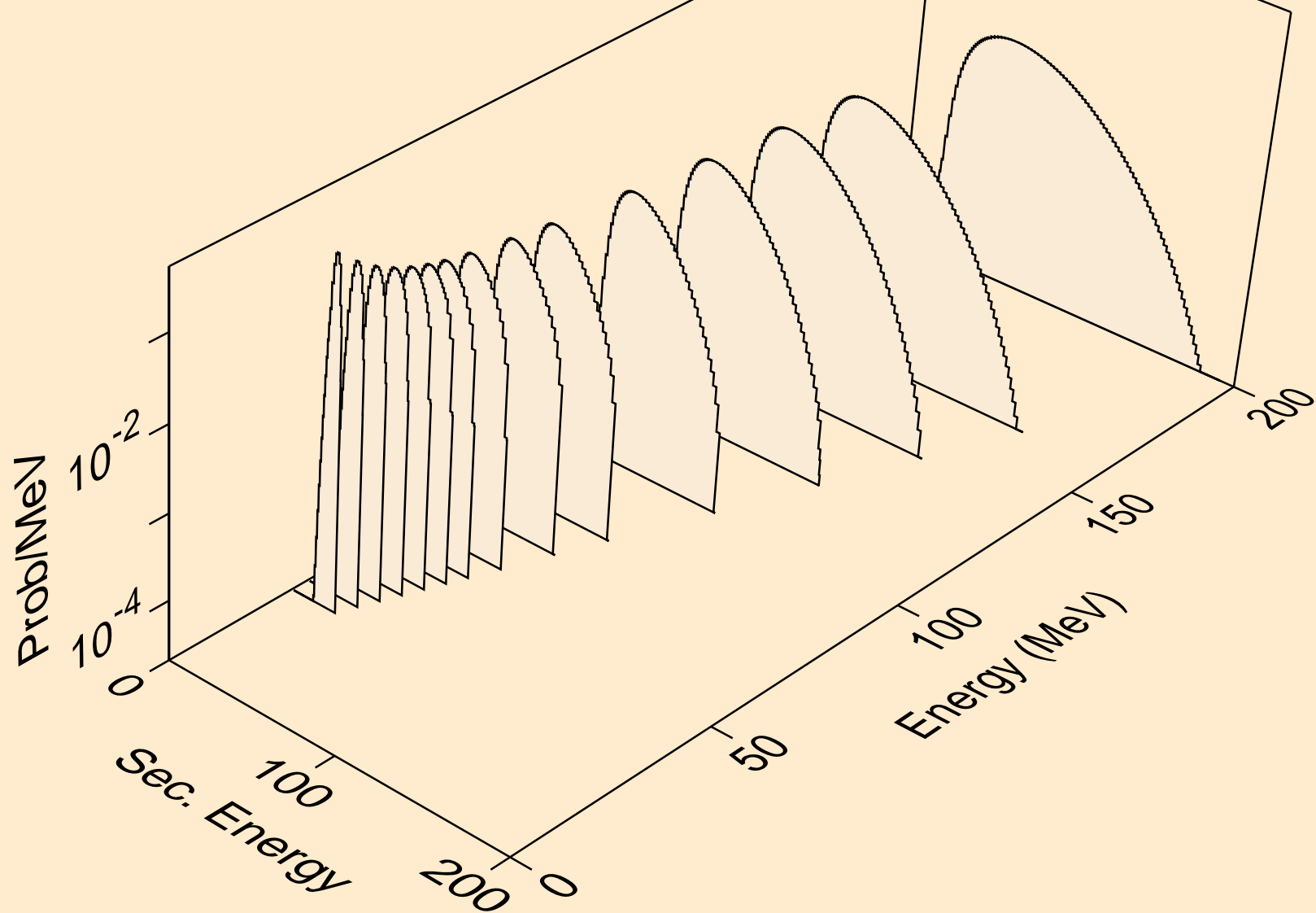
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,t2a)



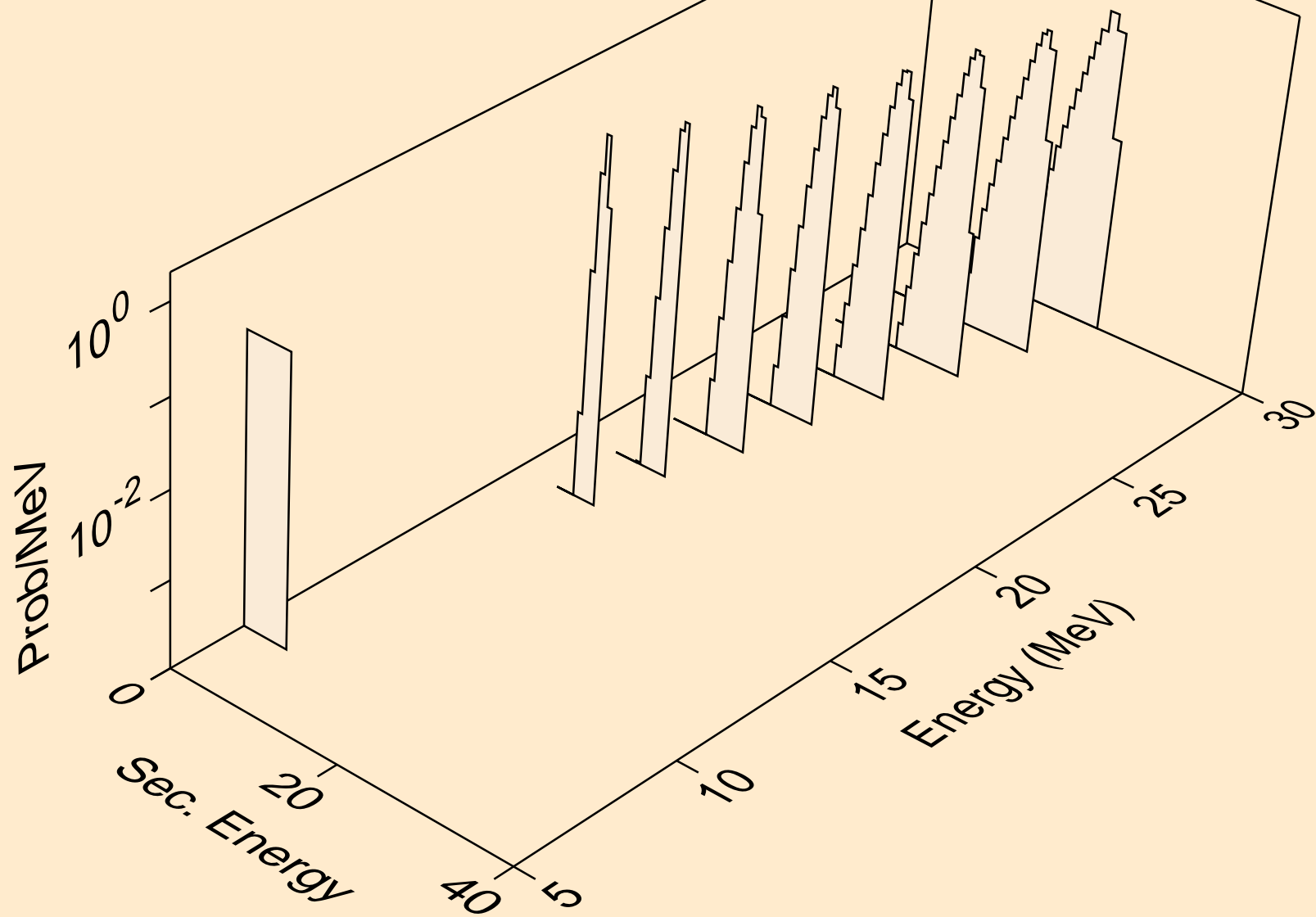
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,pt)



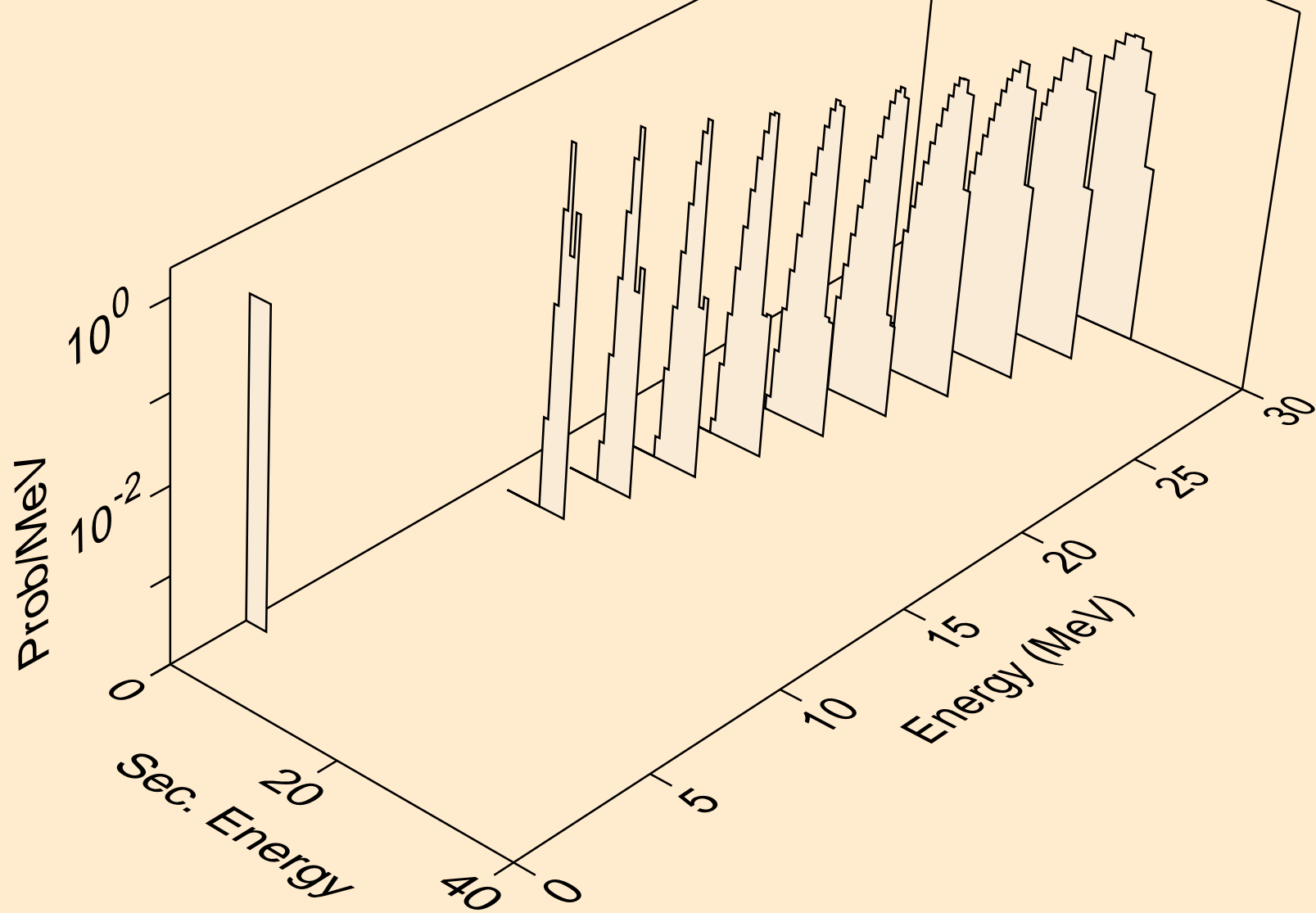
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,x)



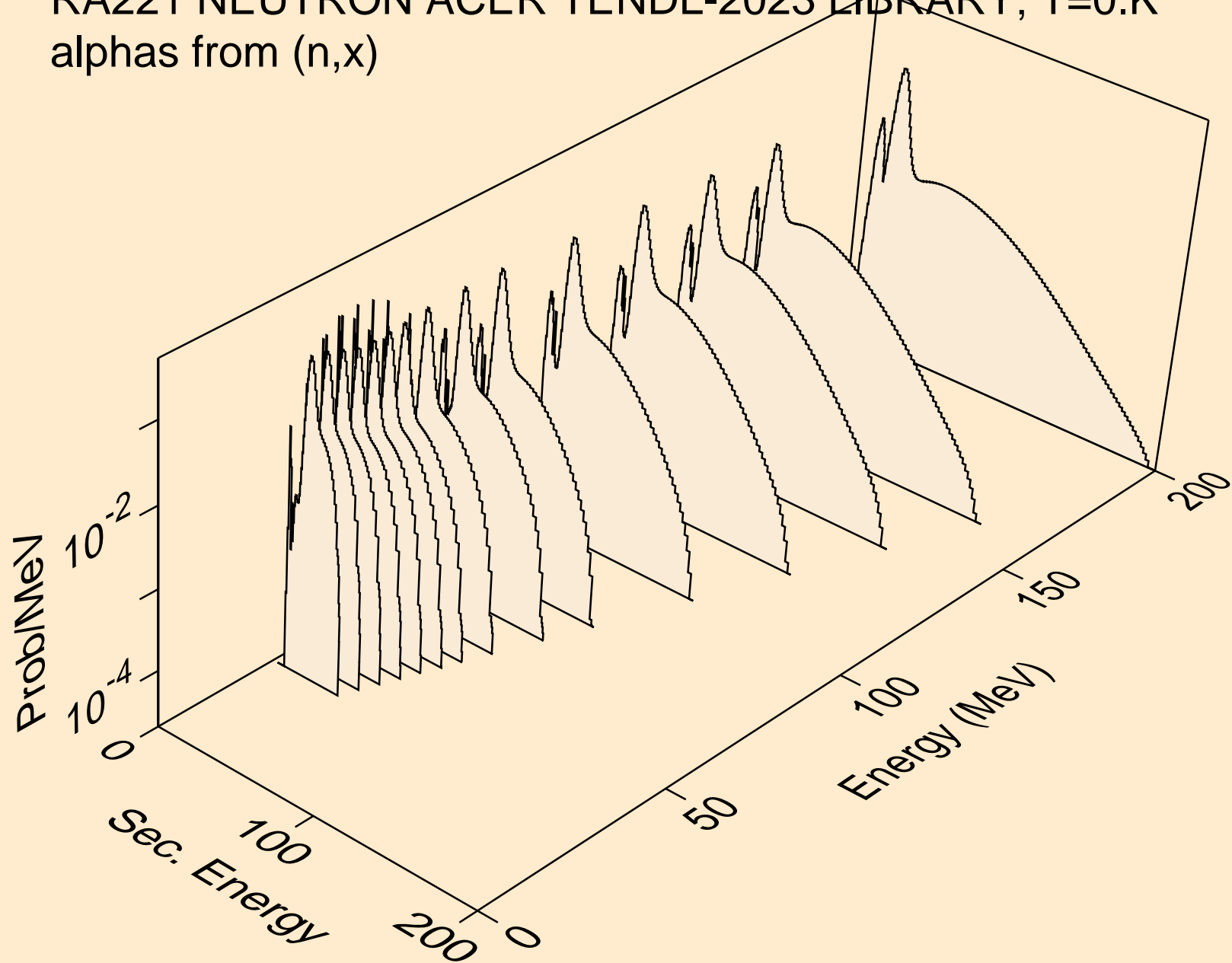
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,n\*)he3



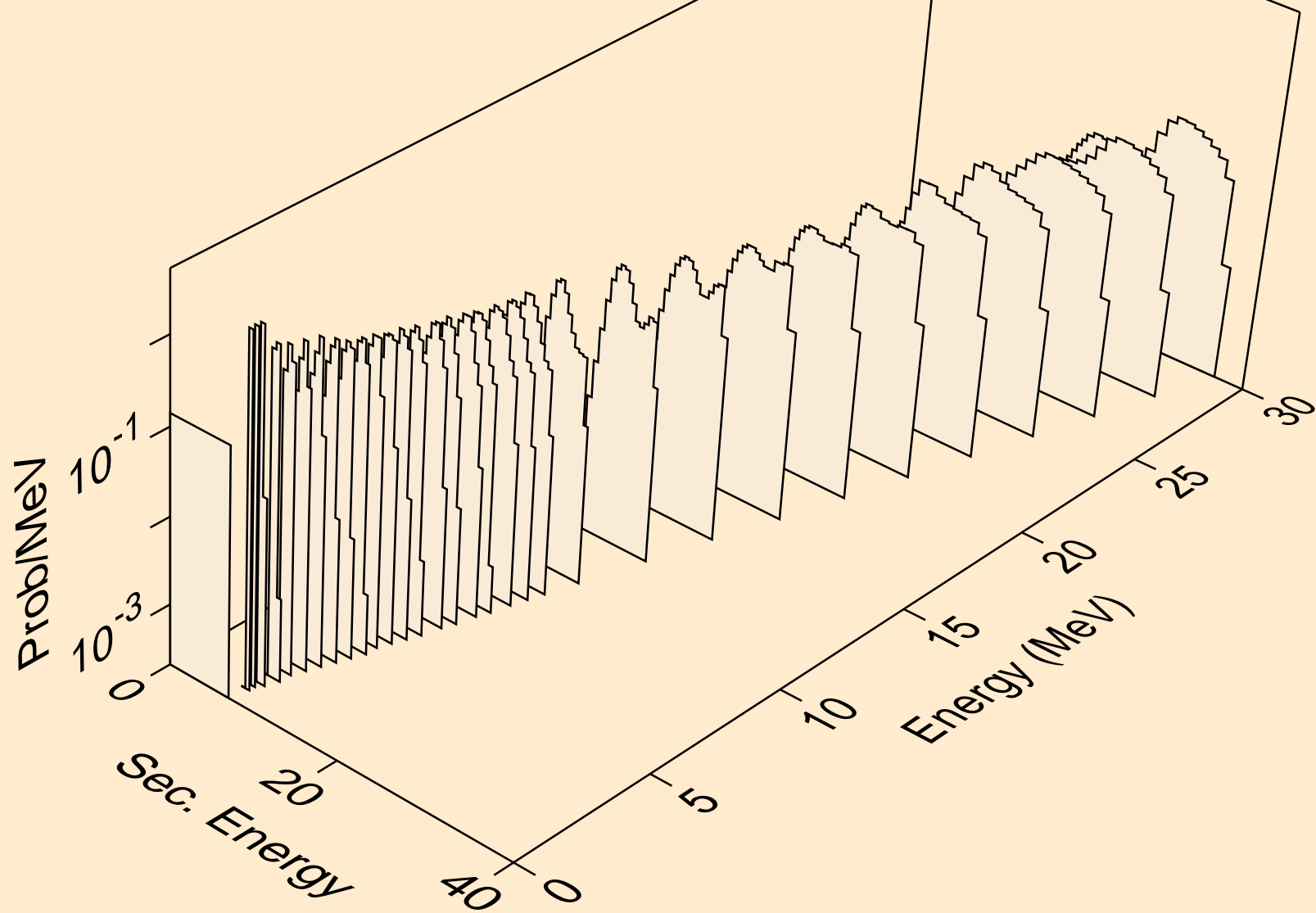
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,he3)



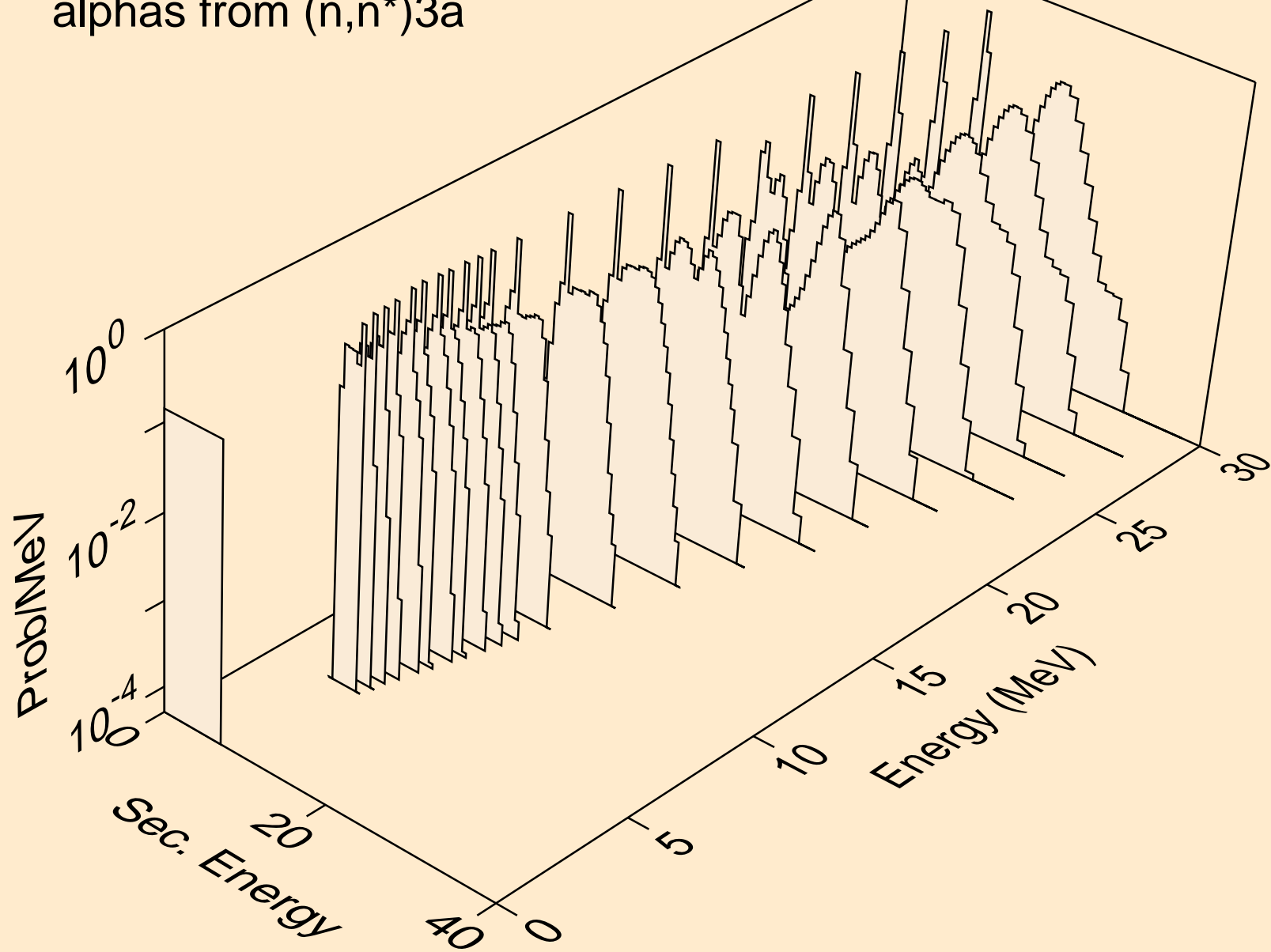
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,x)



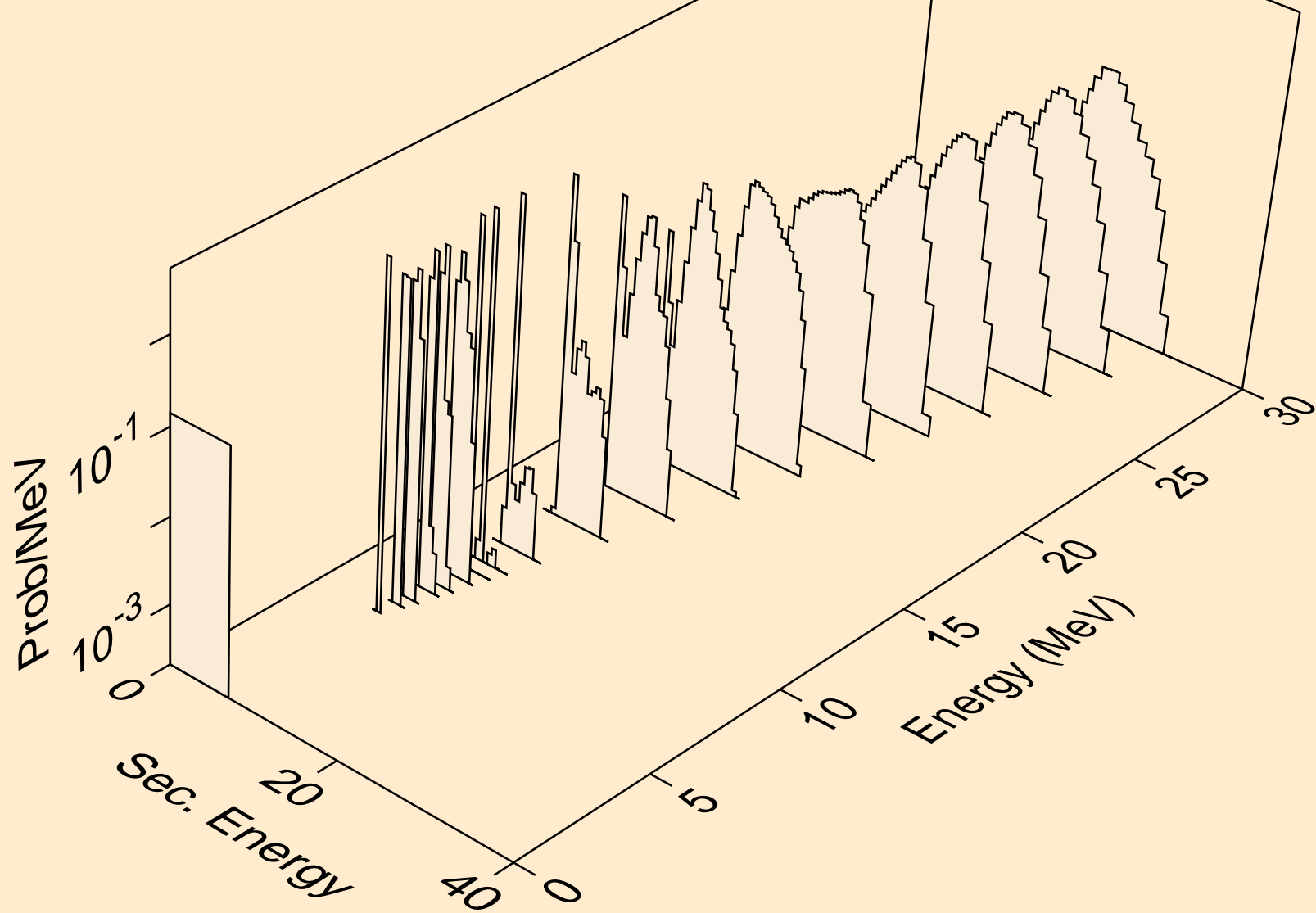
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)a



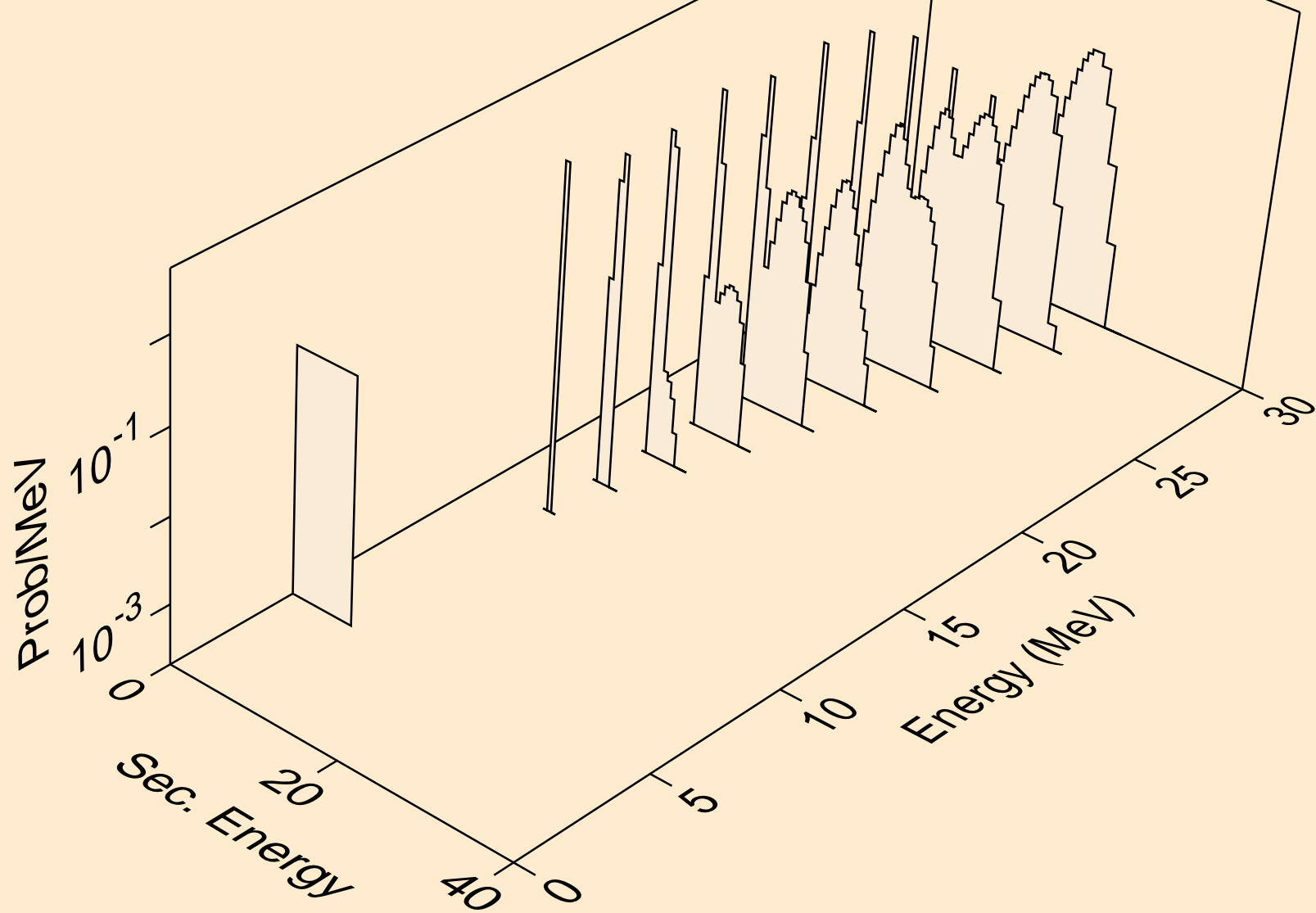
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)3a



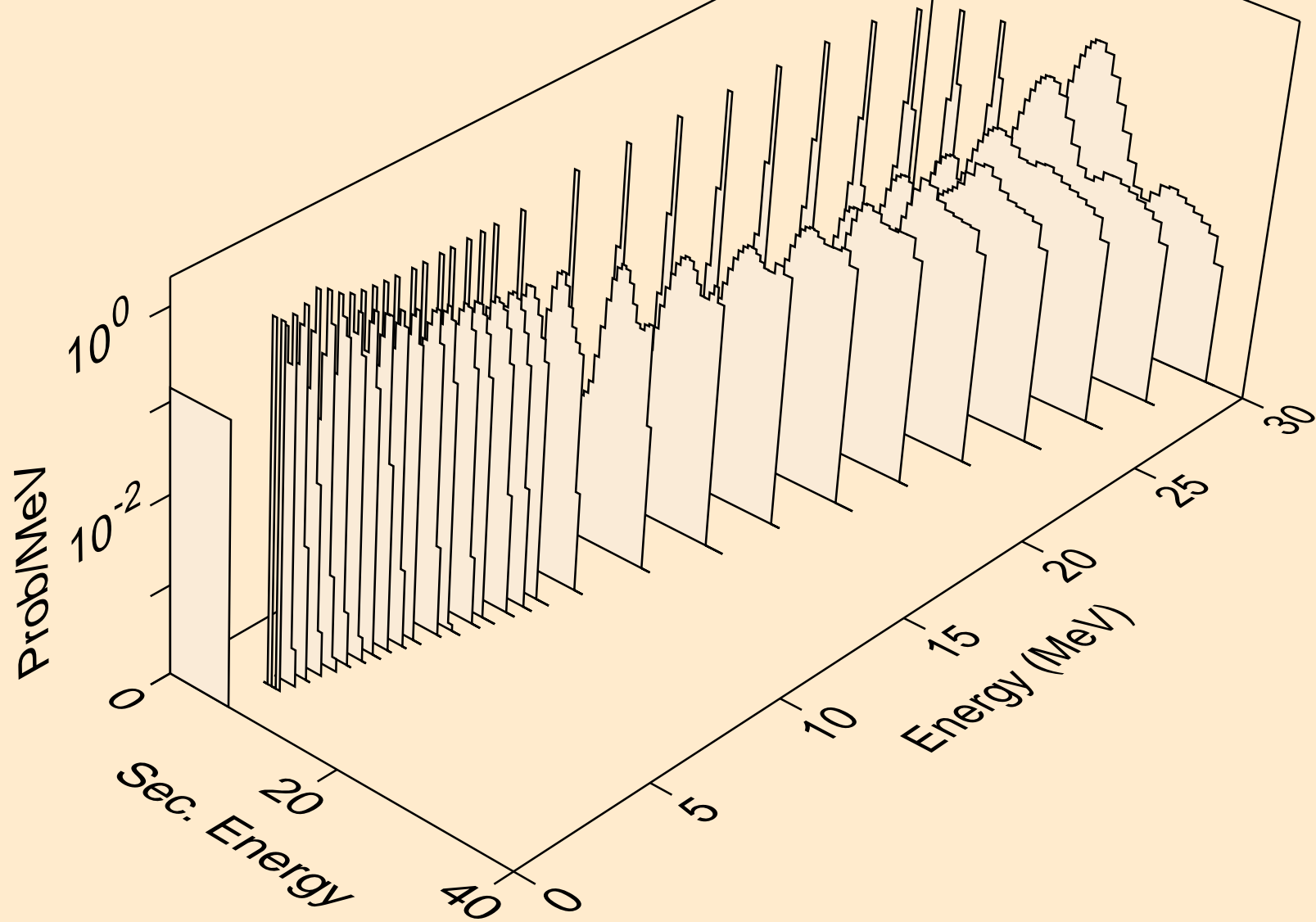
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2n)a



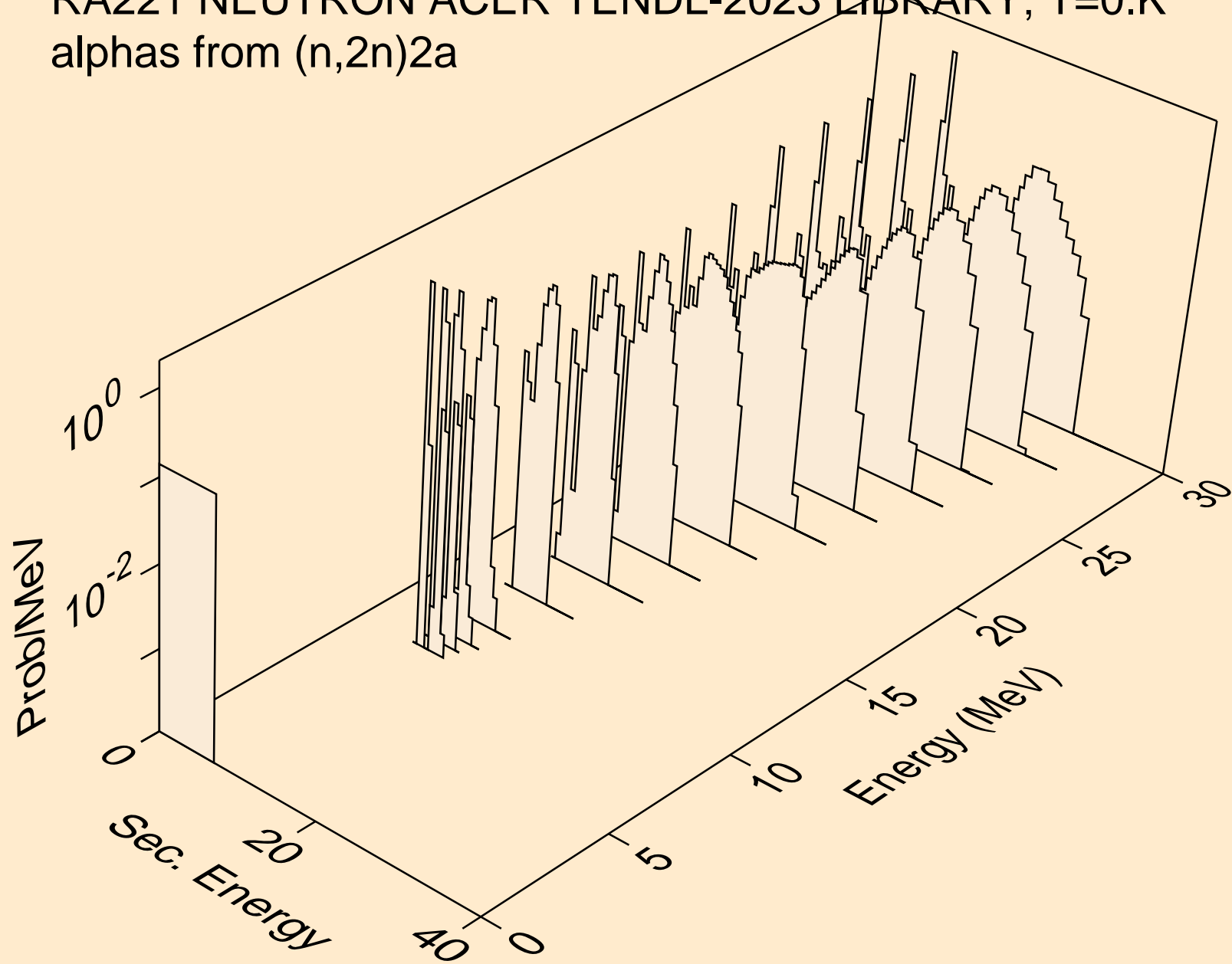
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,3n)a



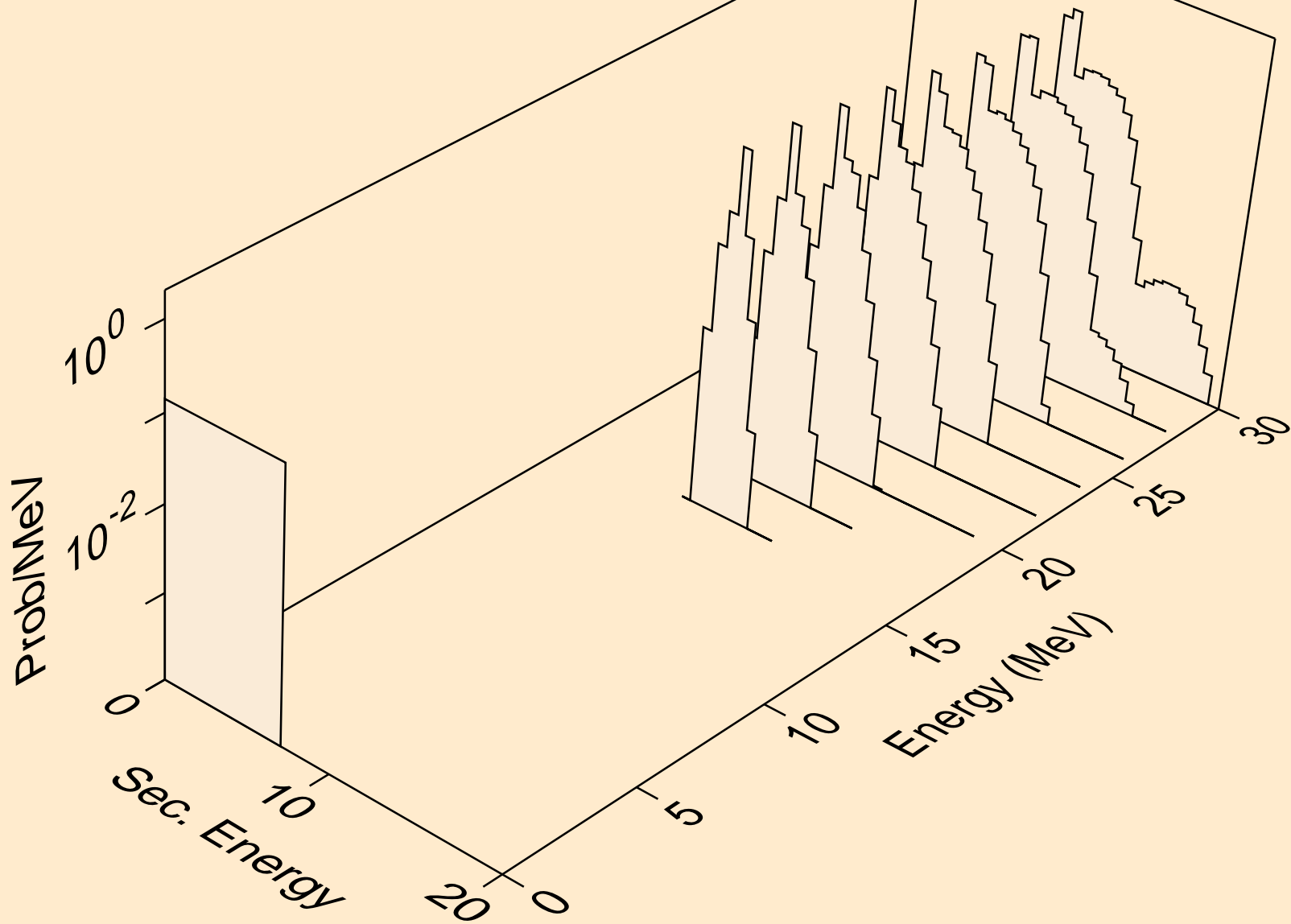
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)2a



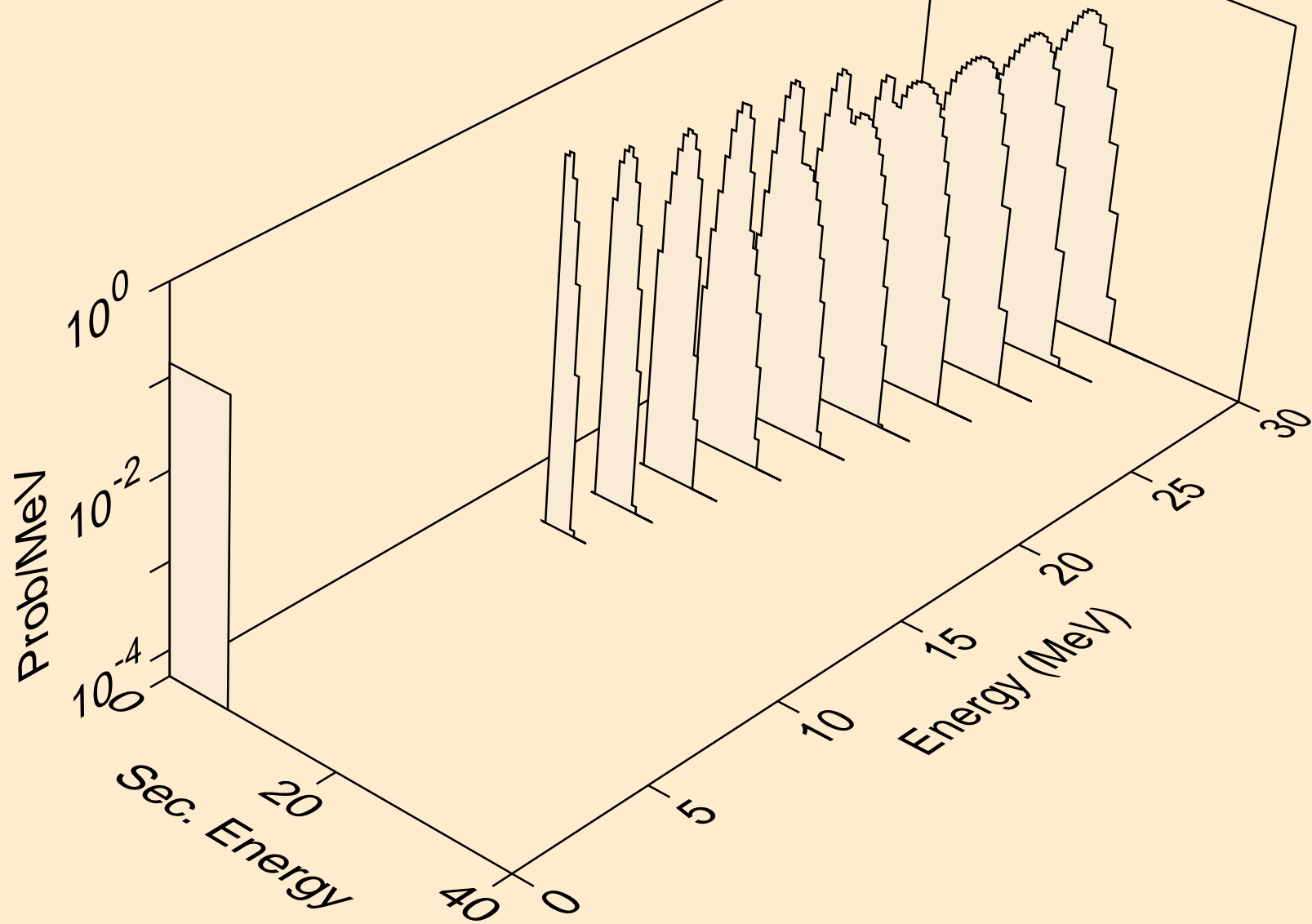
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2n)2a



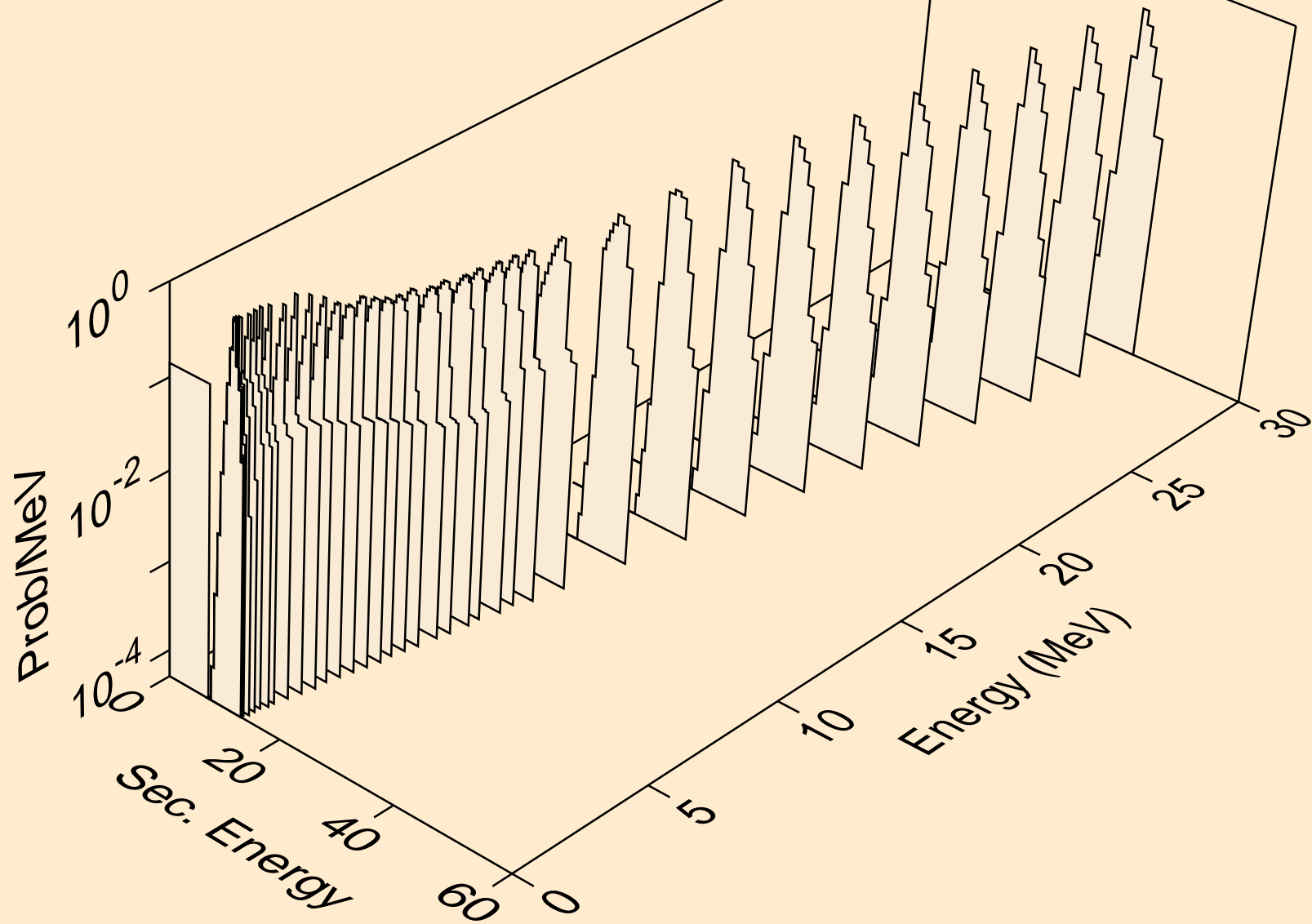
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)t2a



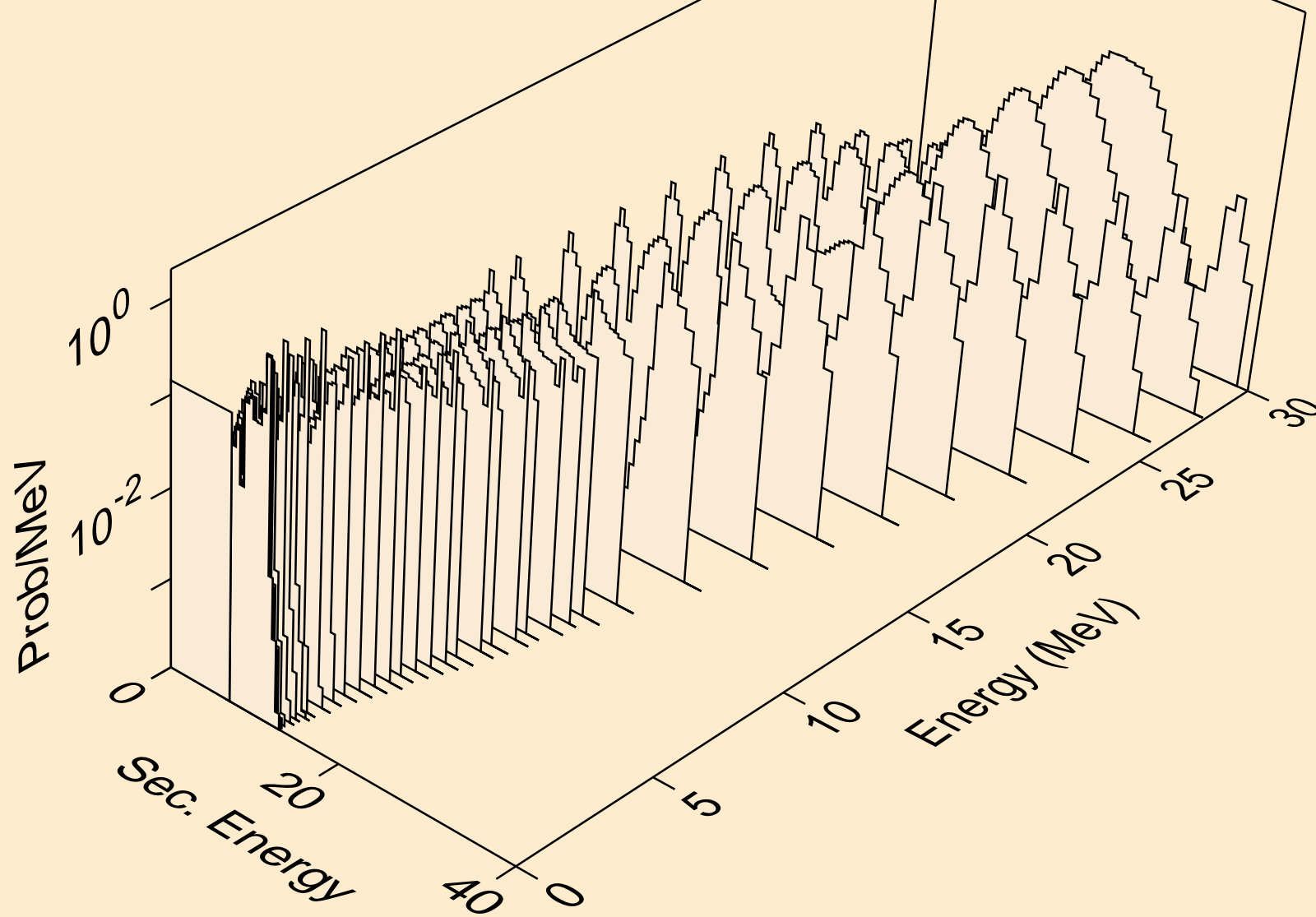
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,npa)



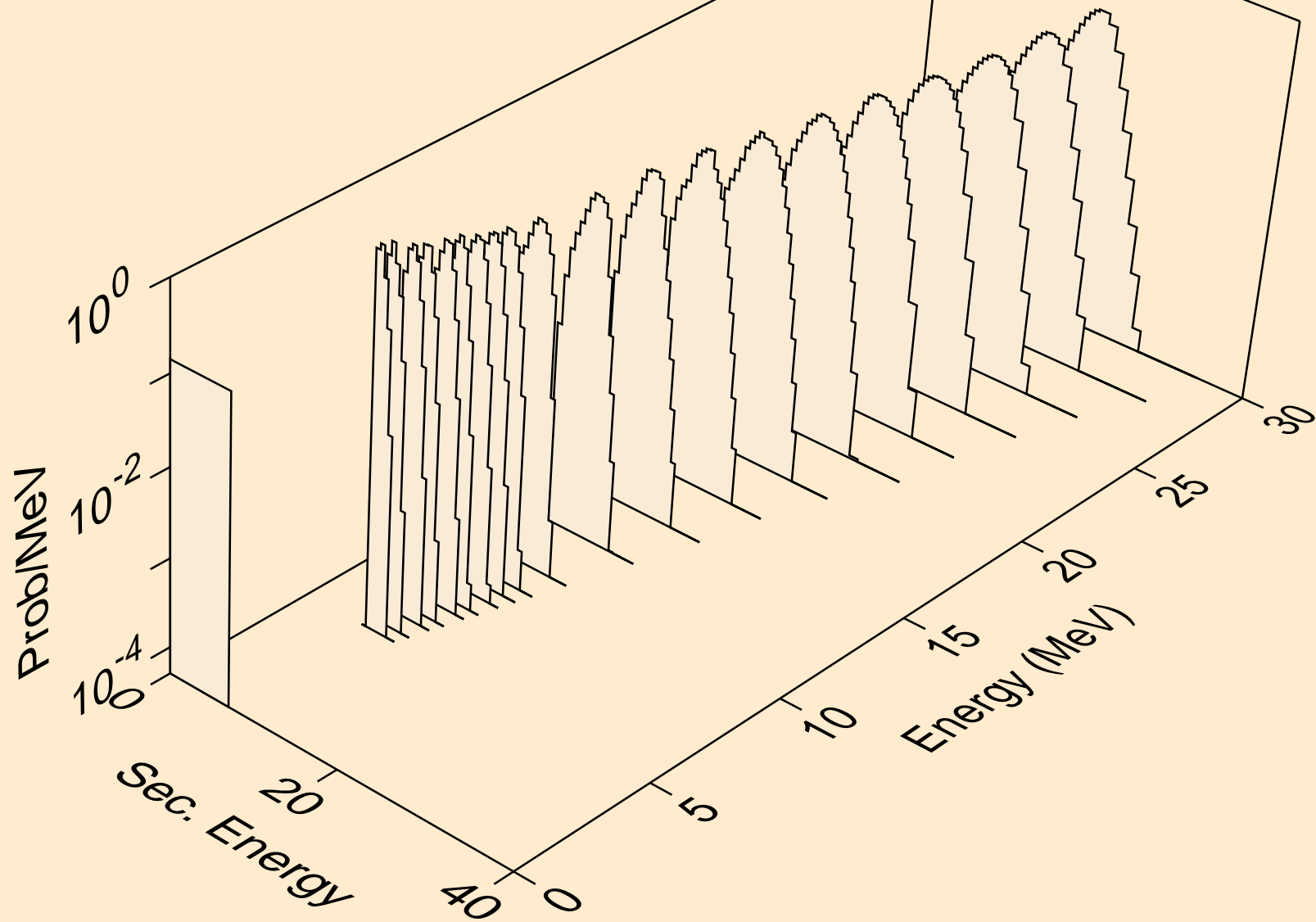
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,a)



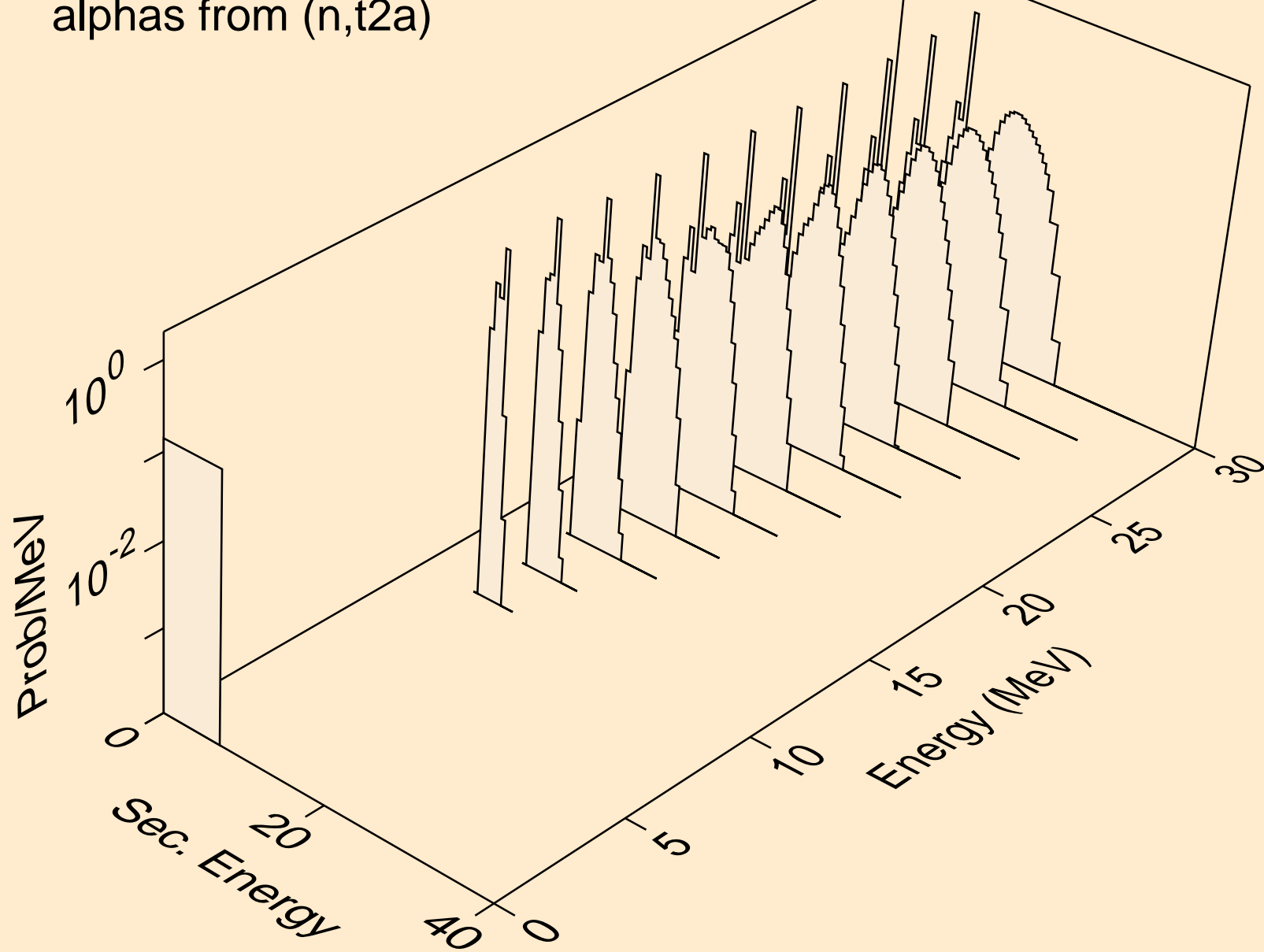
RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2a)



RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,pa)



RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,t2a)



RA221 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,da)

