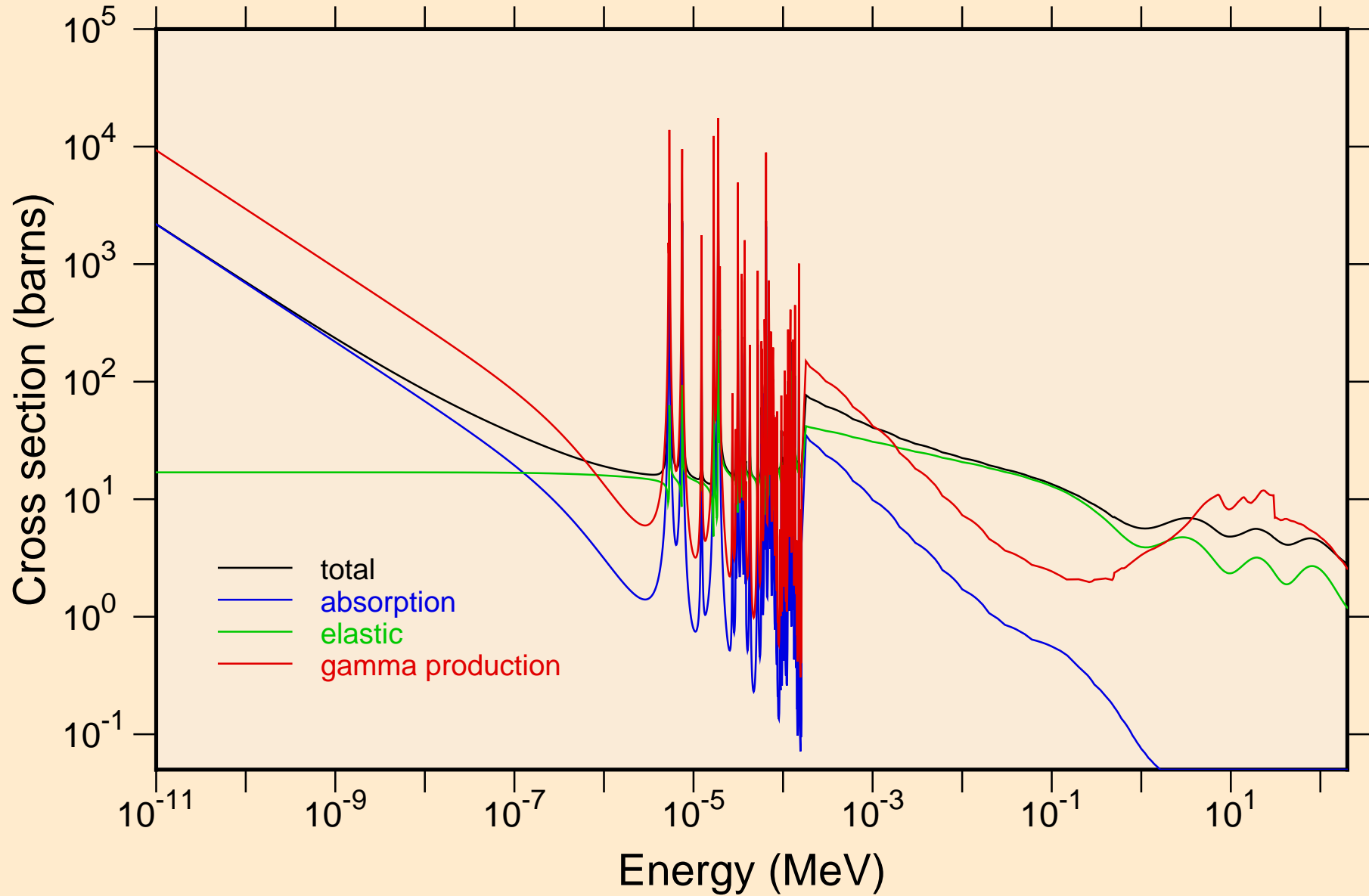
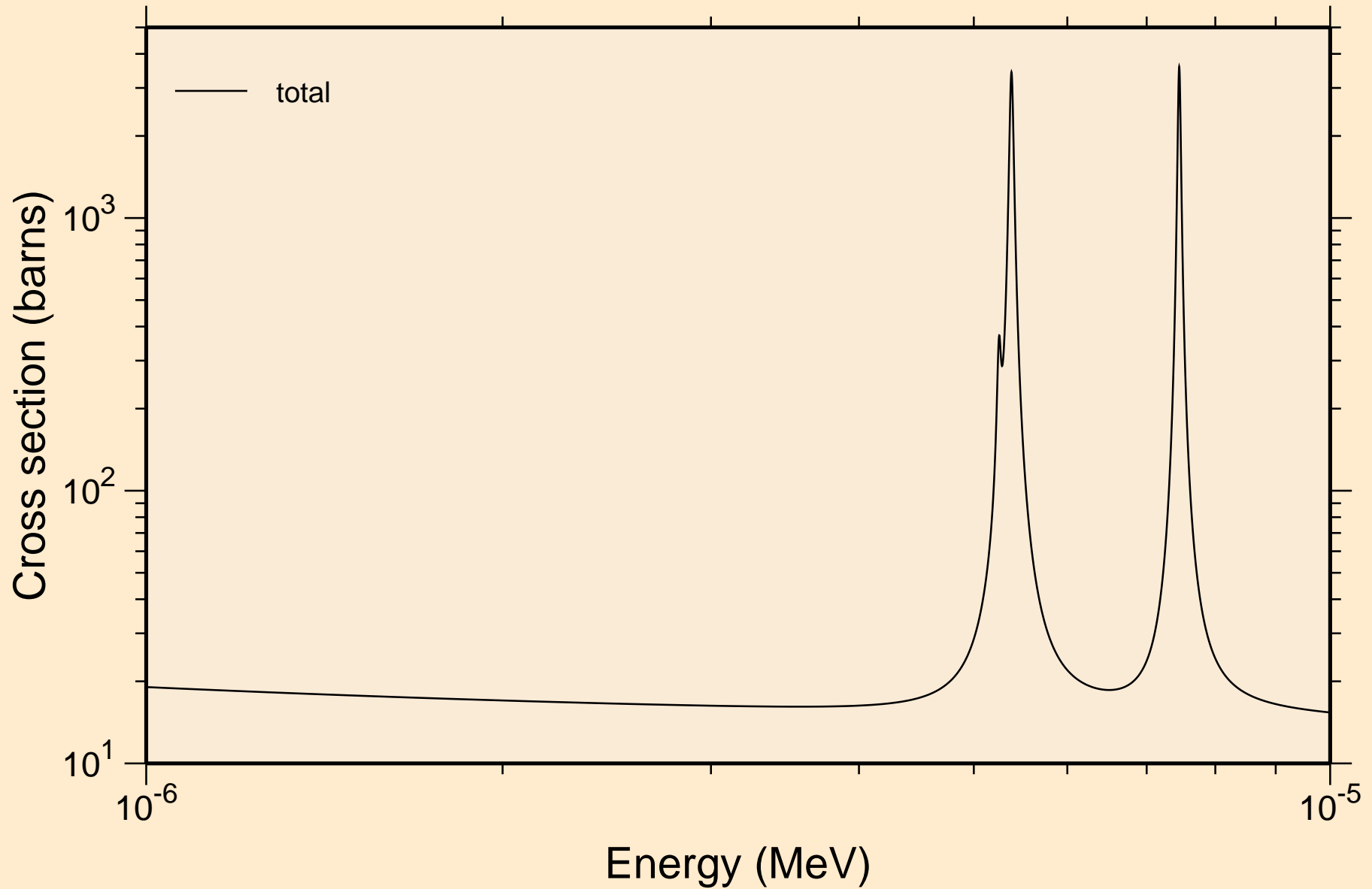


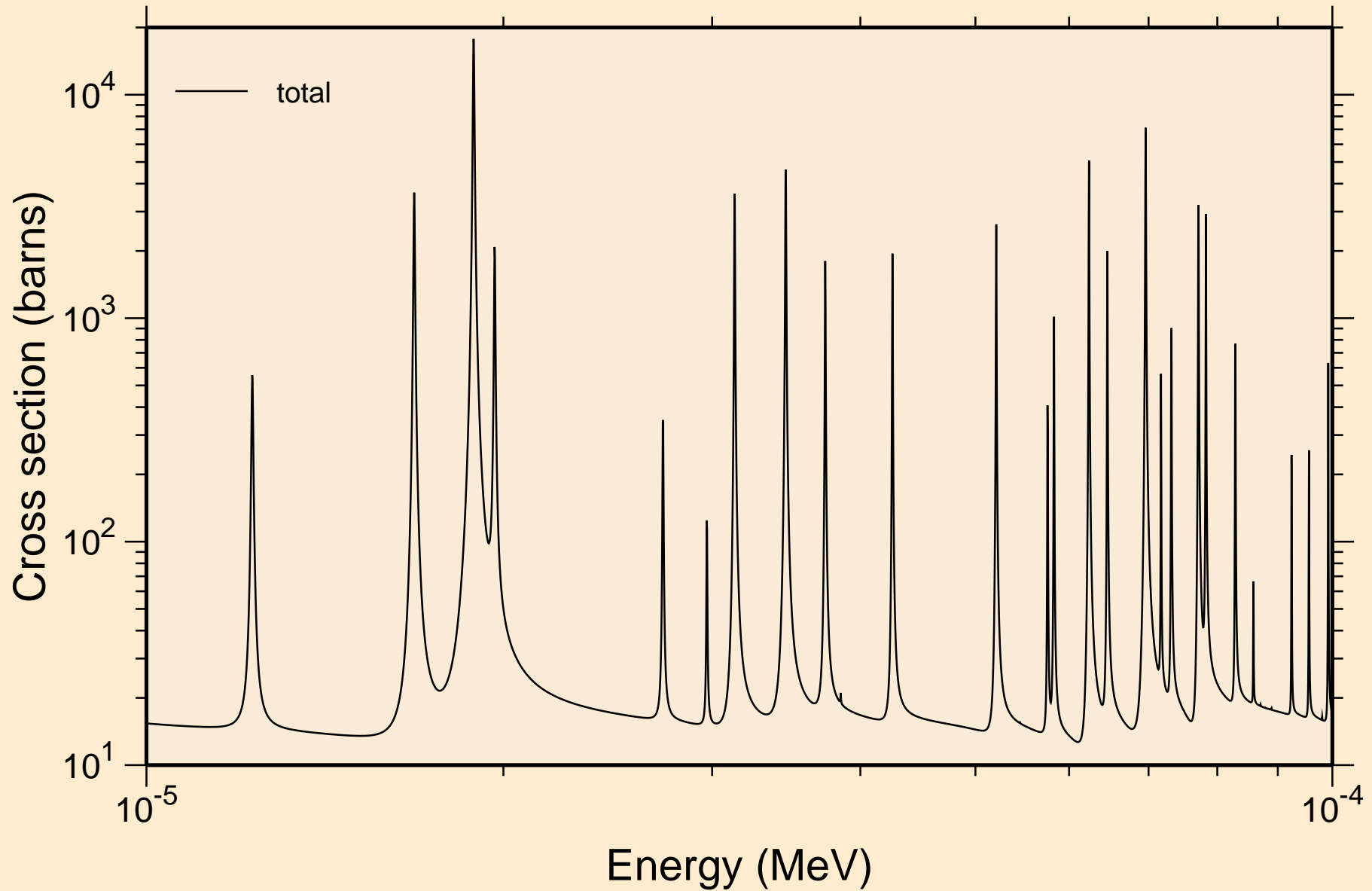
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Principal cross sections



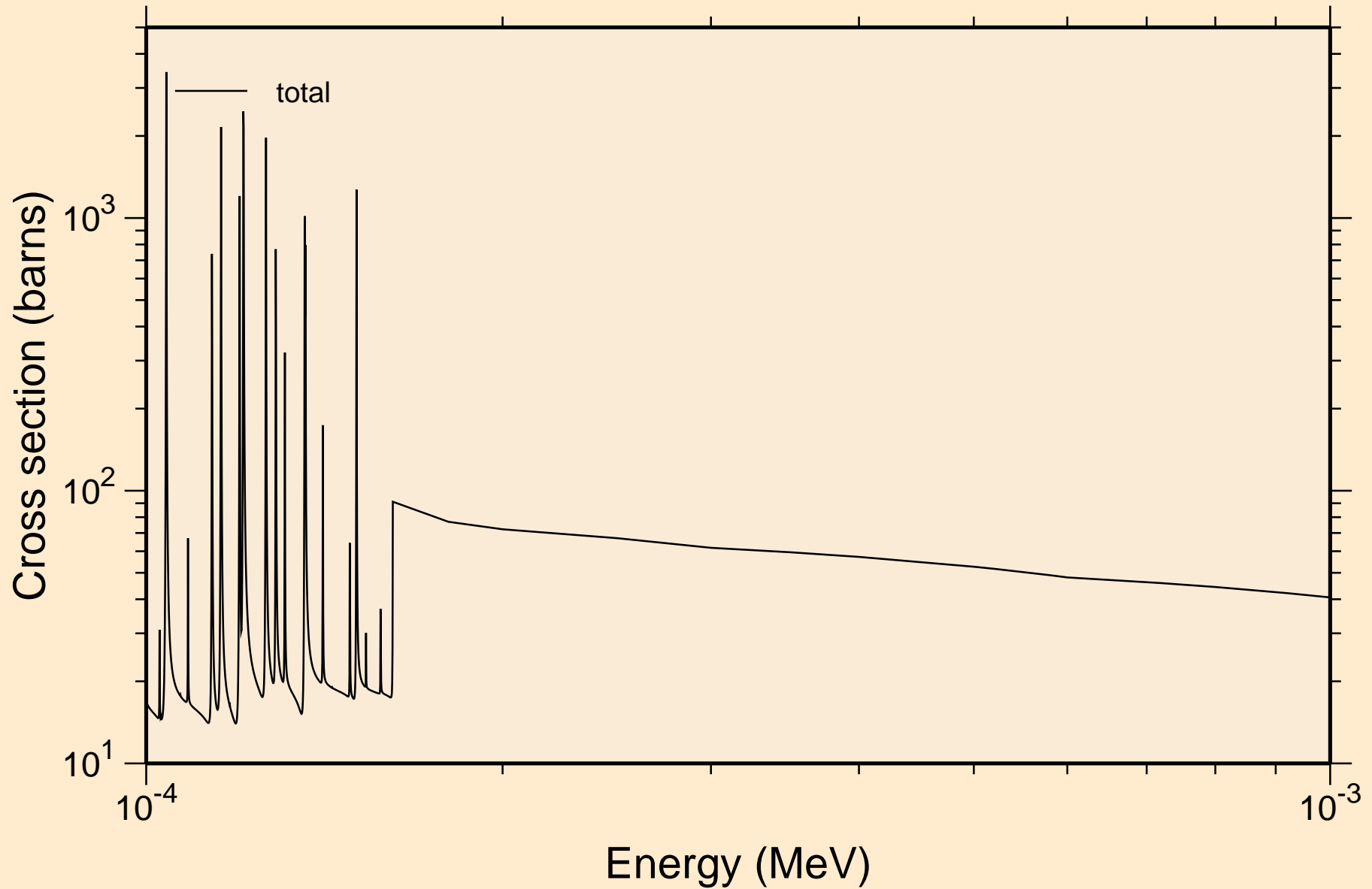
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



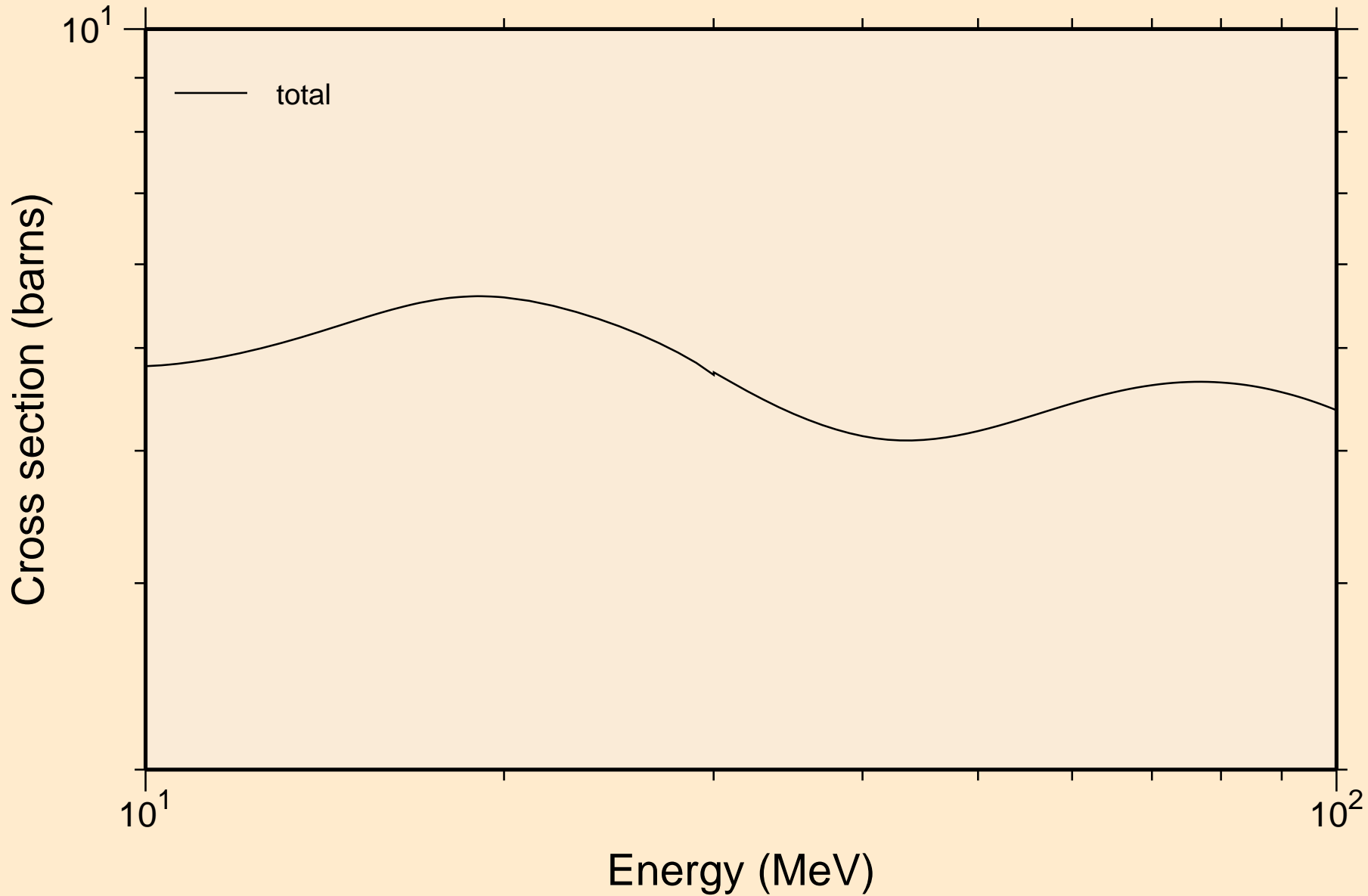
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



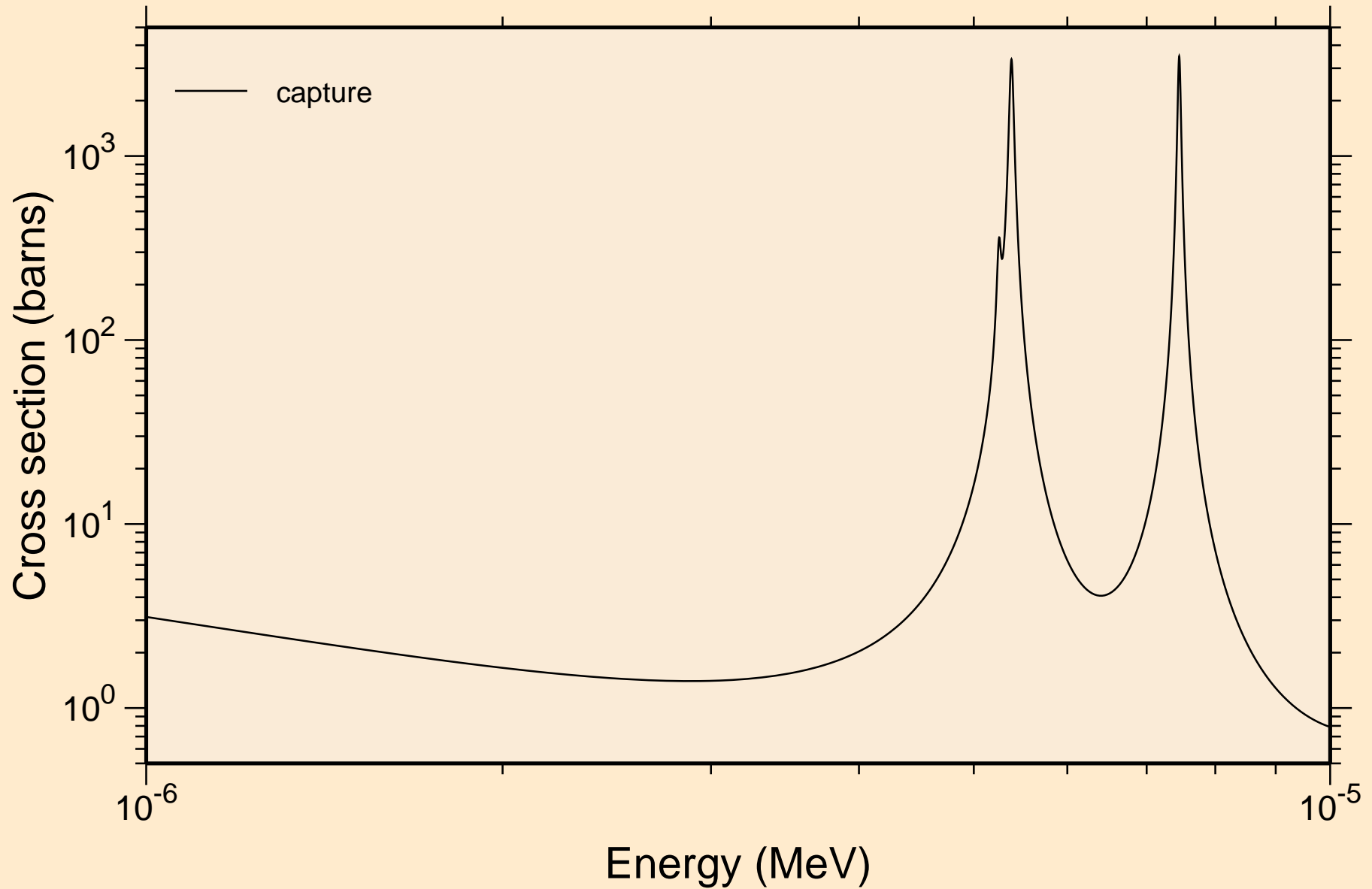
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



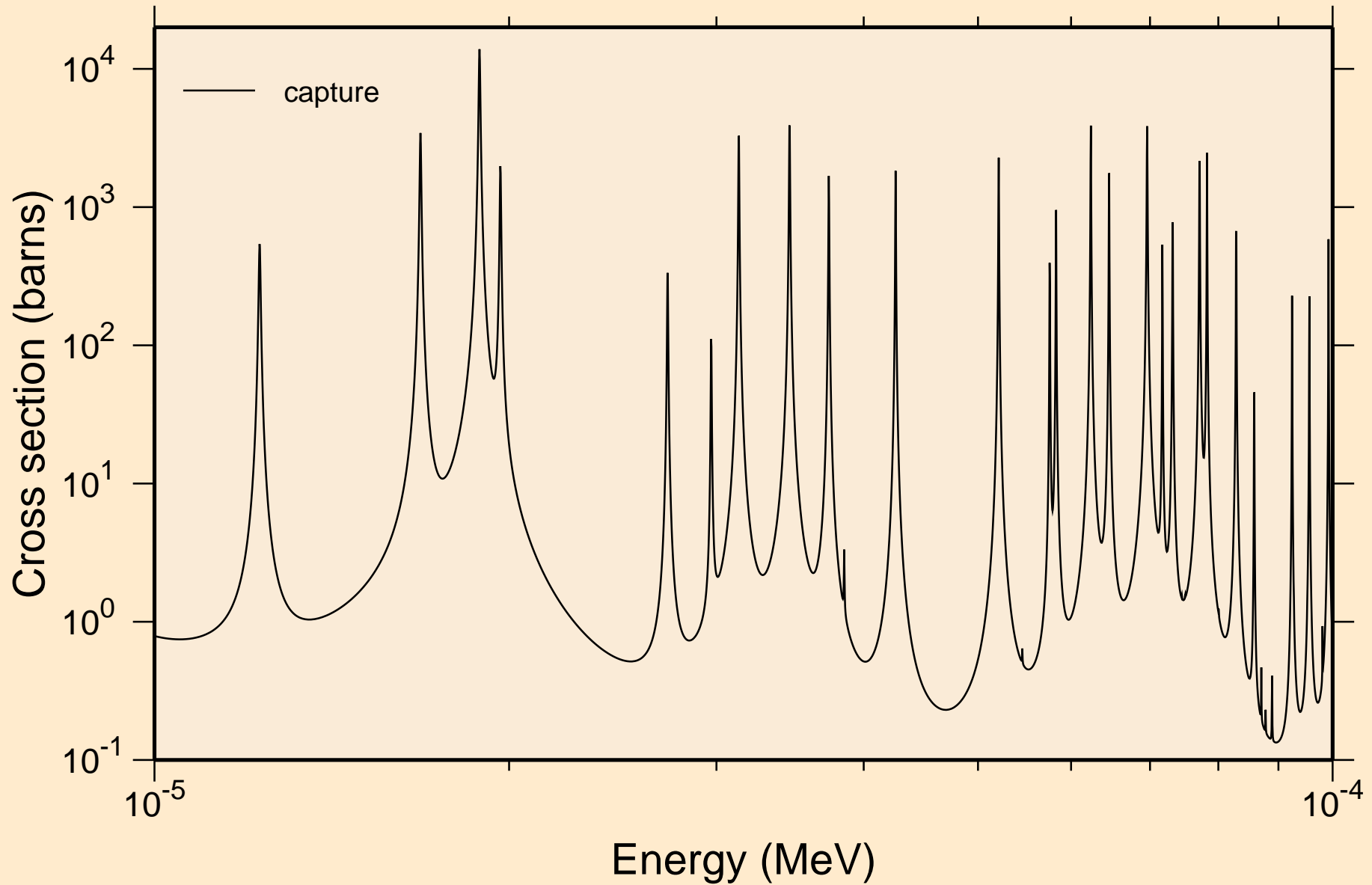
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



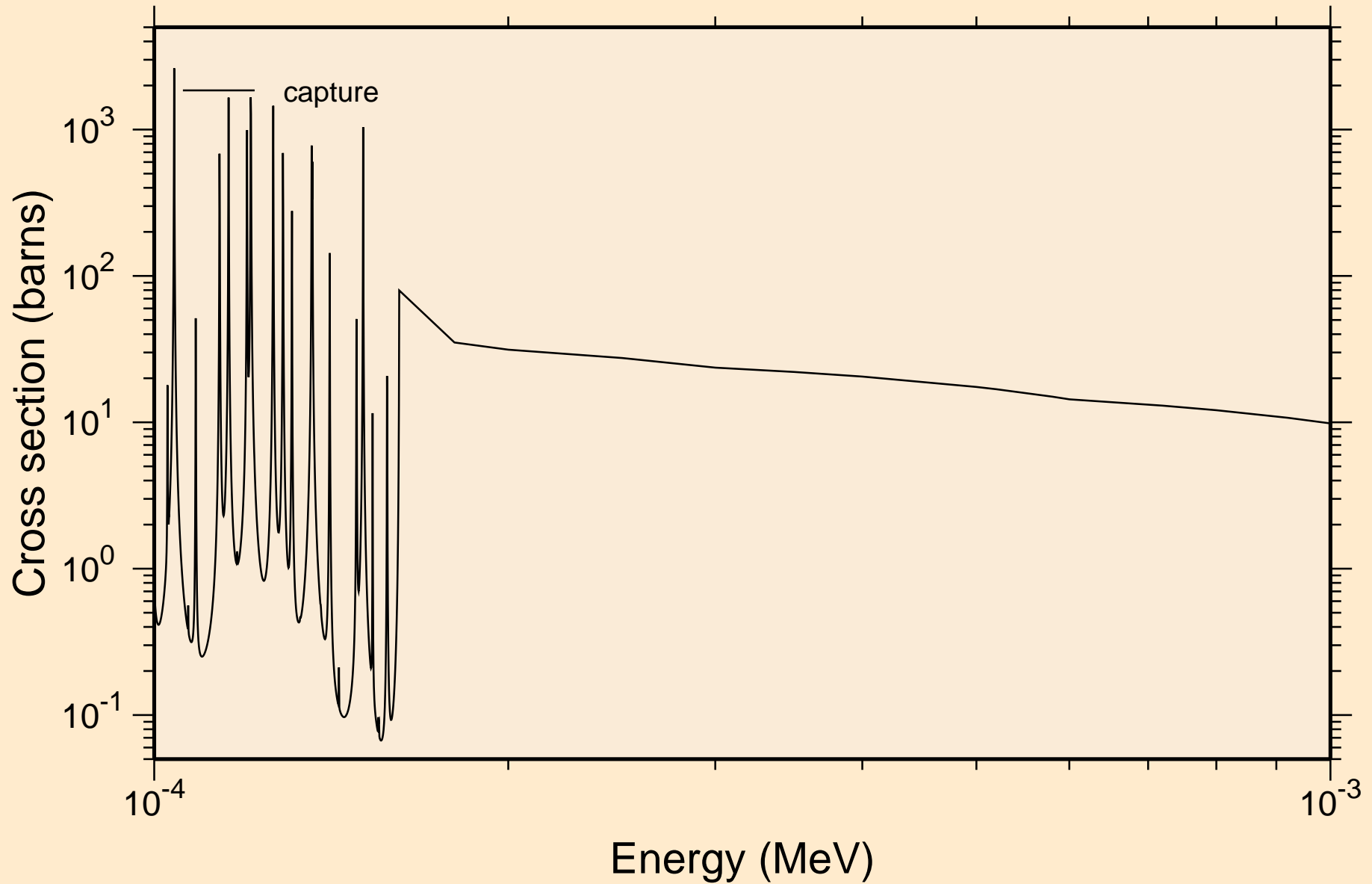
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



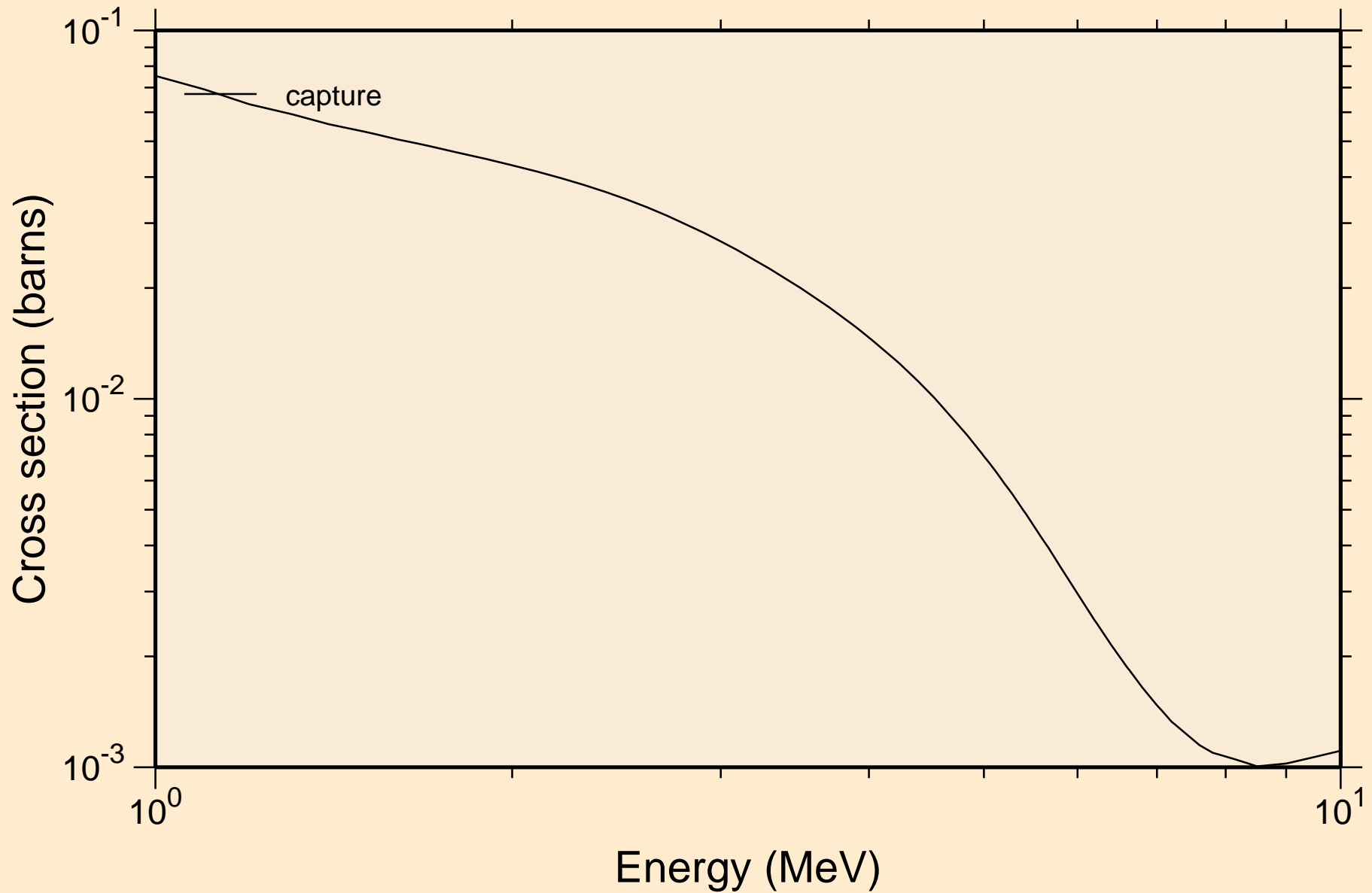
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

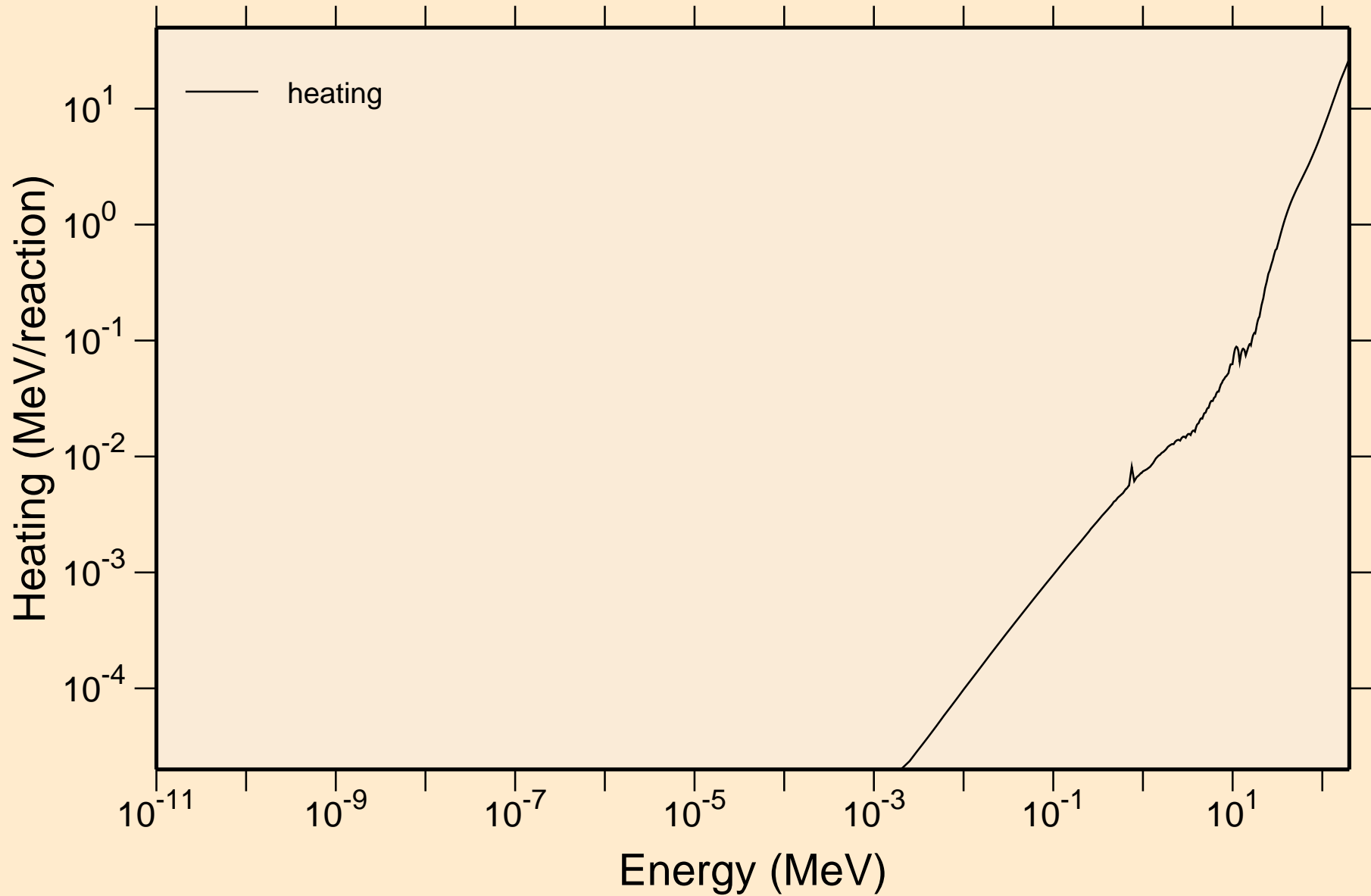


RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



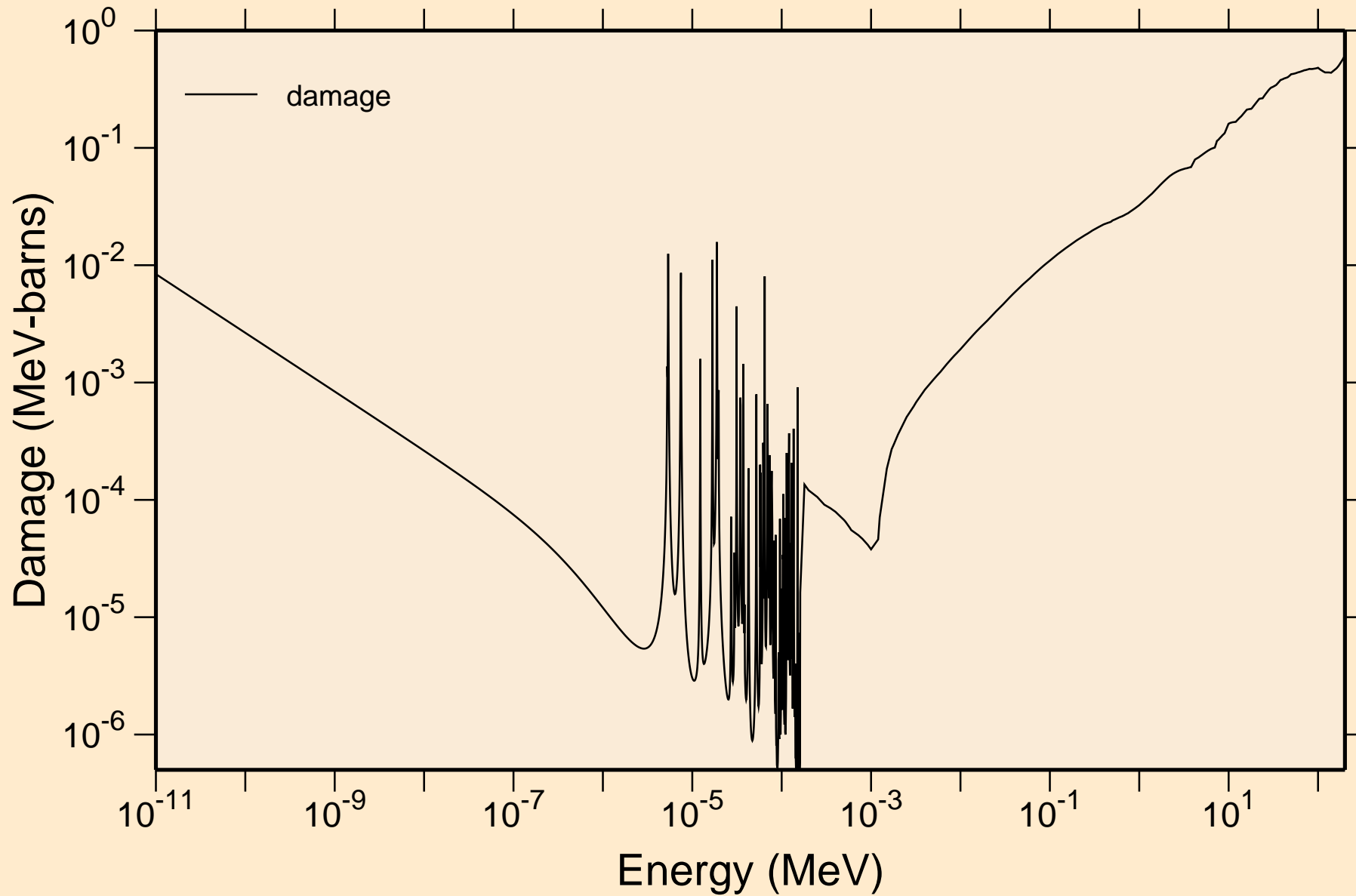
# RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Heating

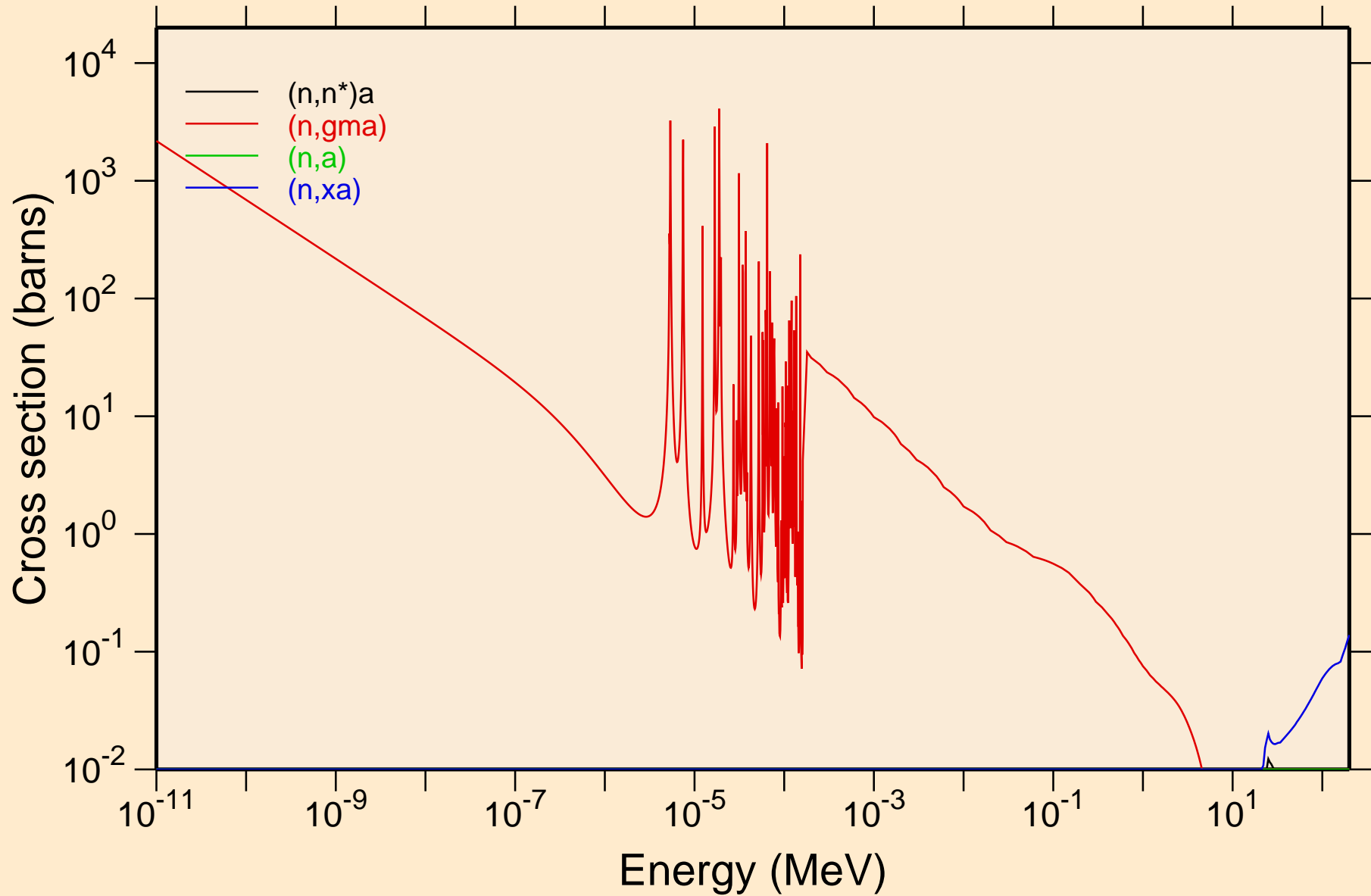


# RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

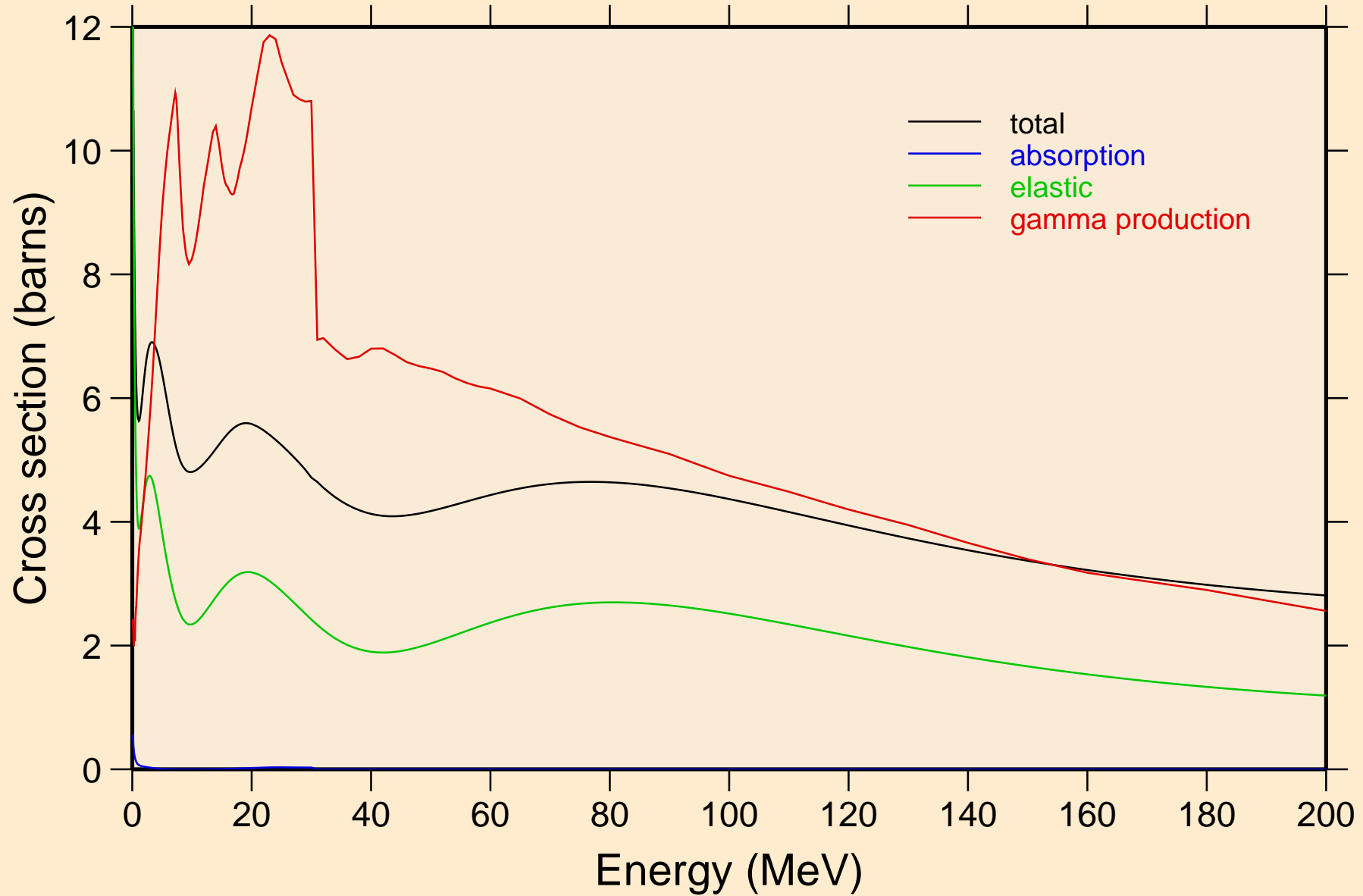
## Damage



RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

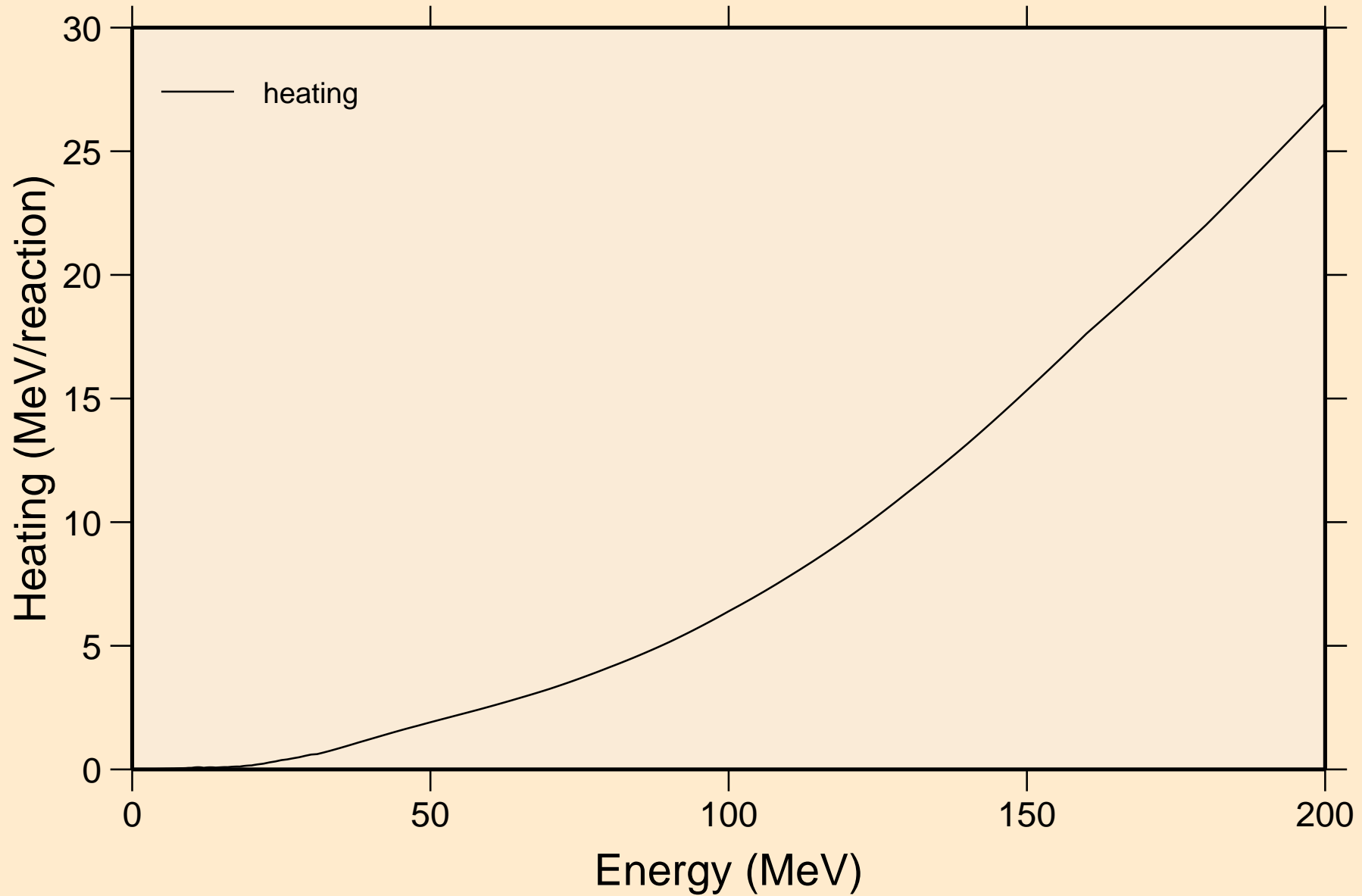


RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Principal cross sections

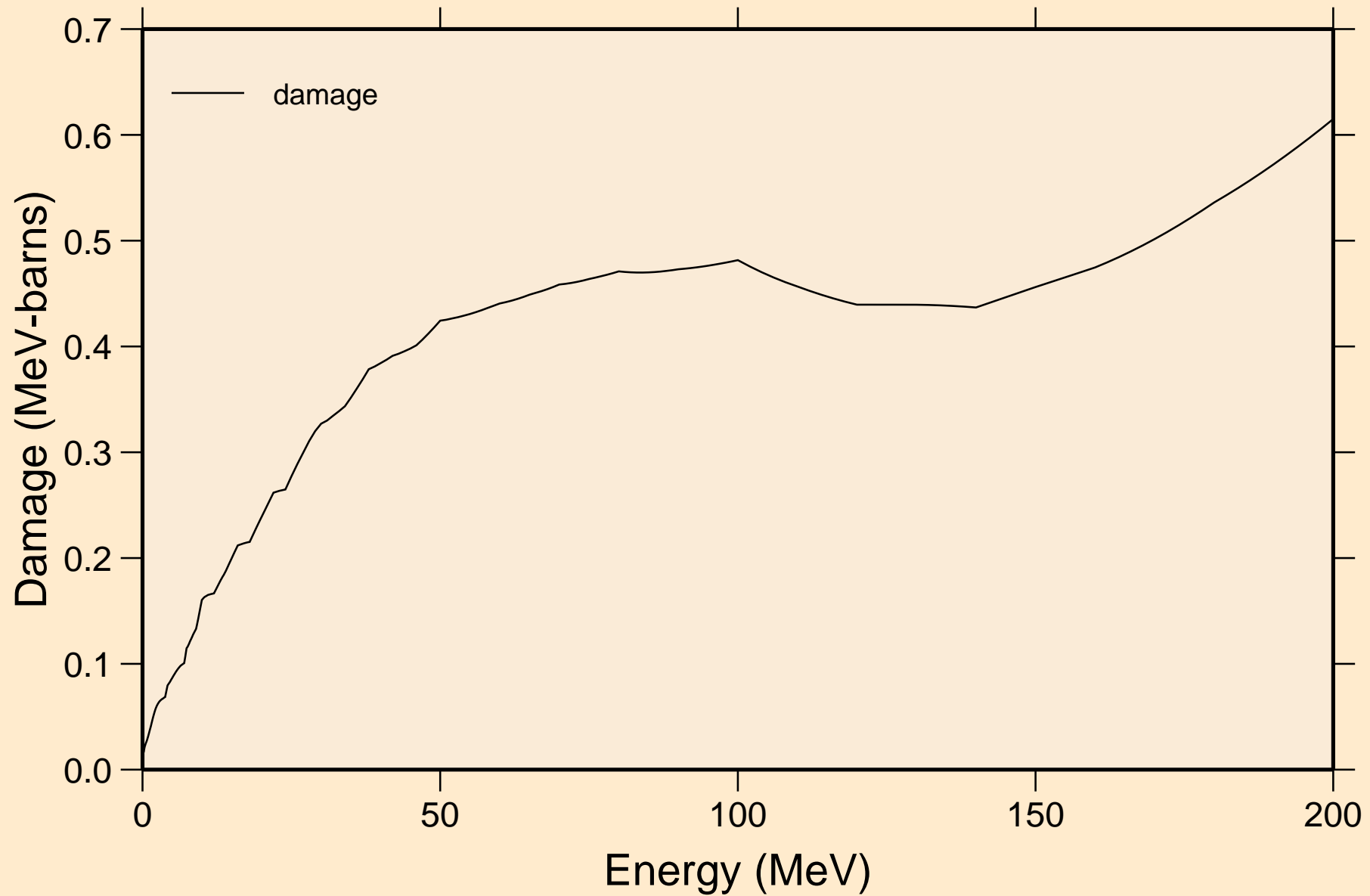


RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

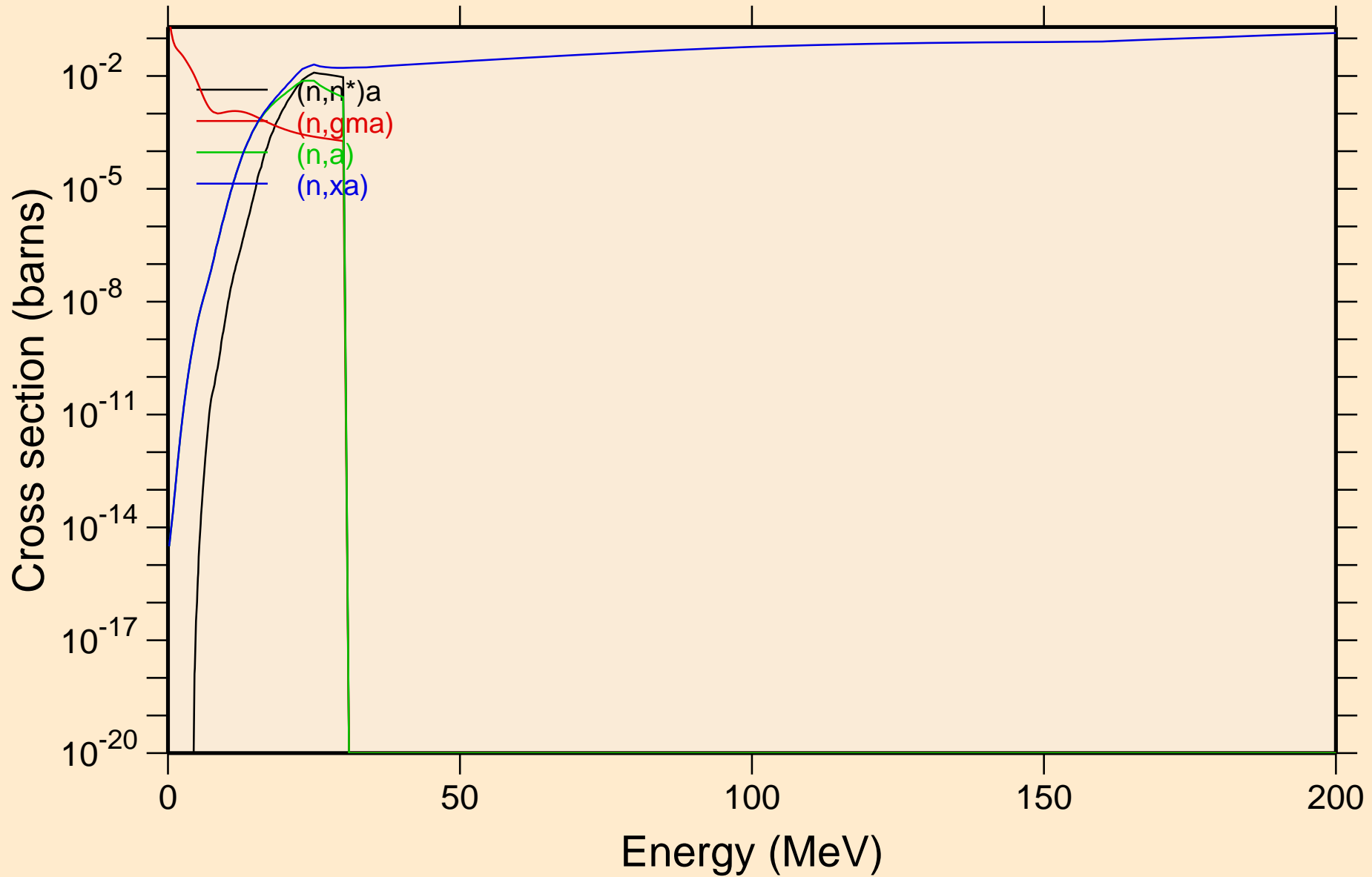
Heating



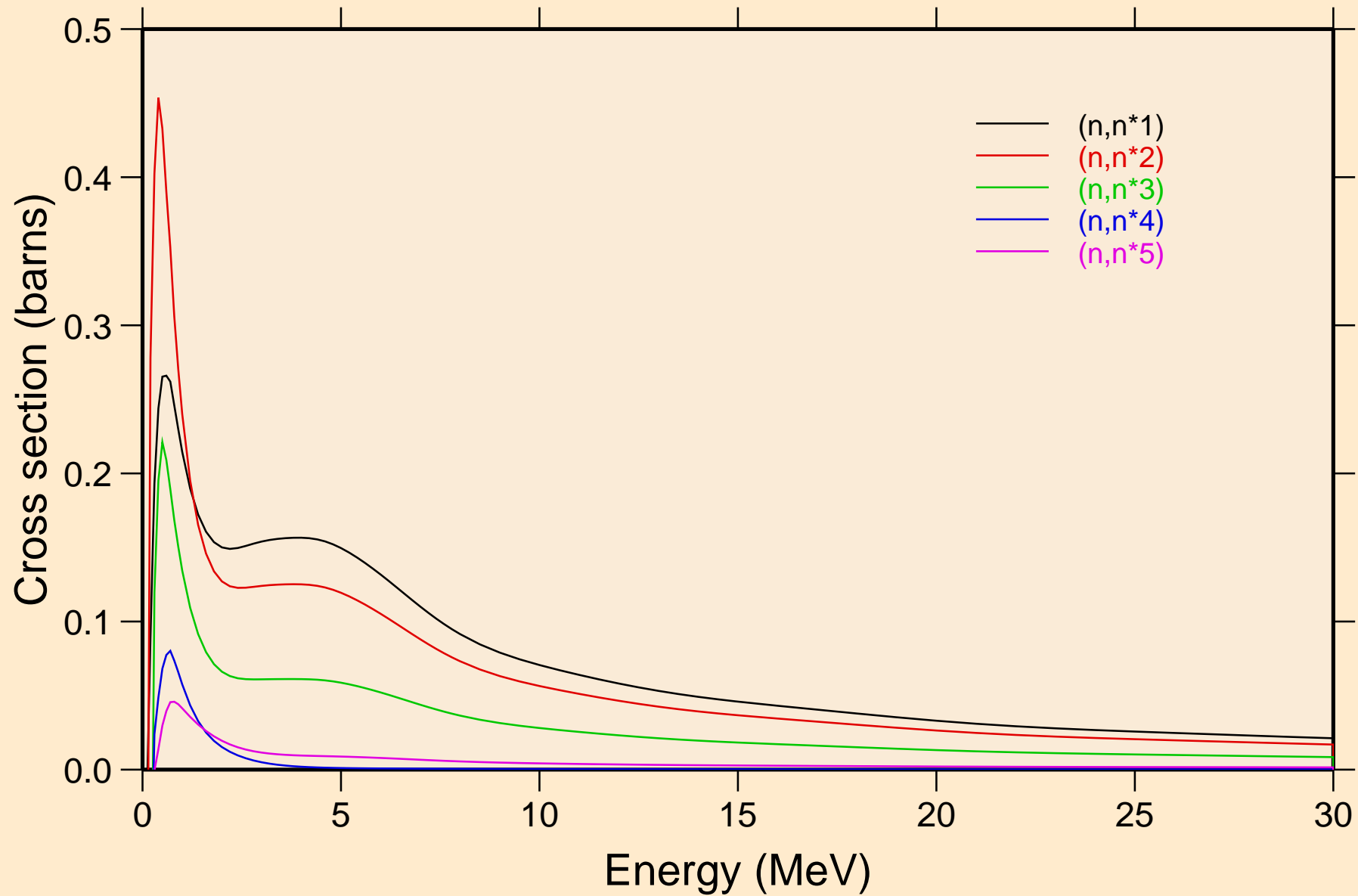
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Damage



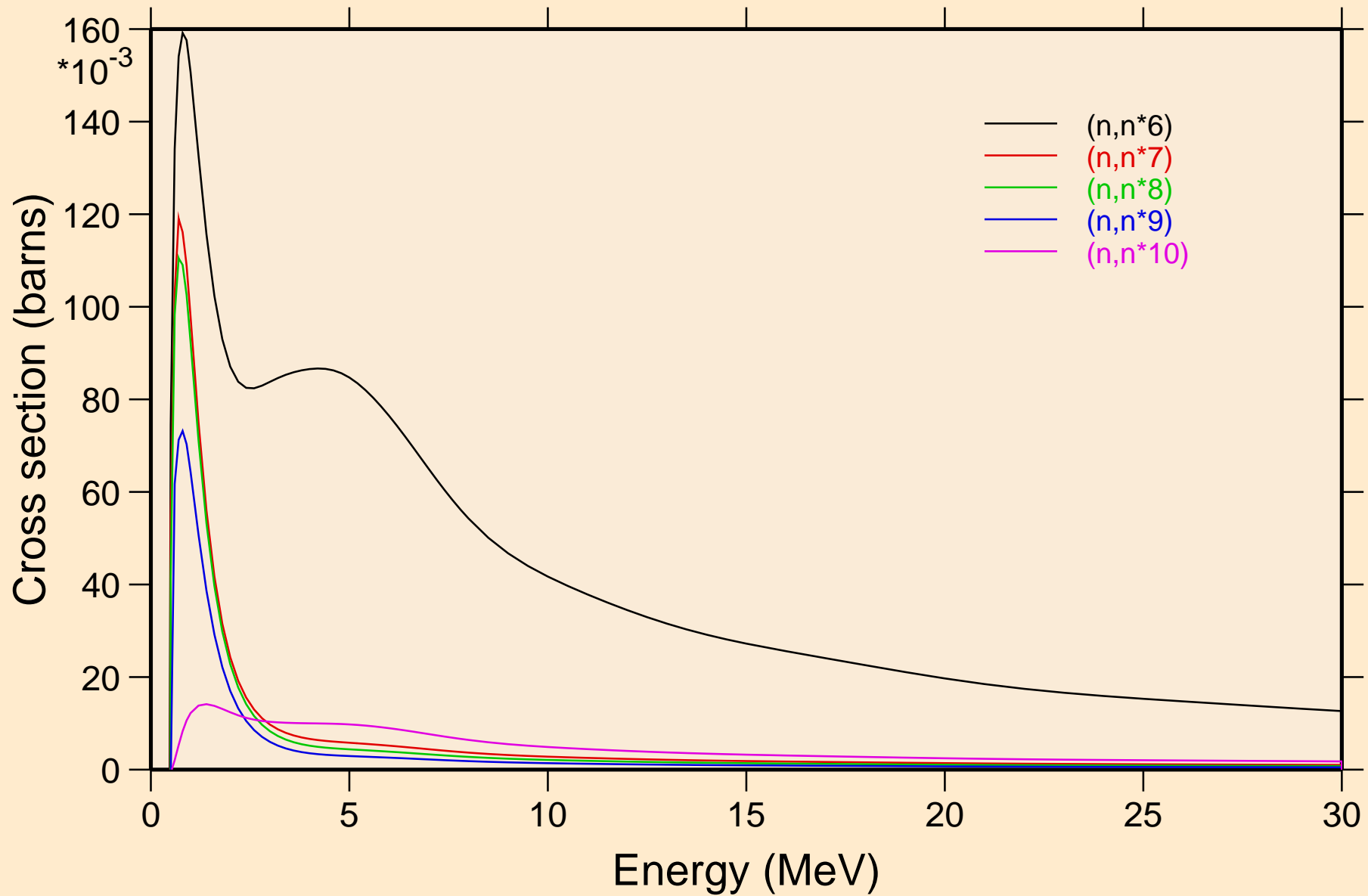
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



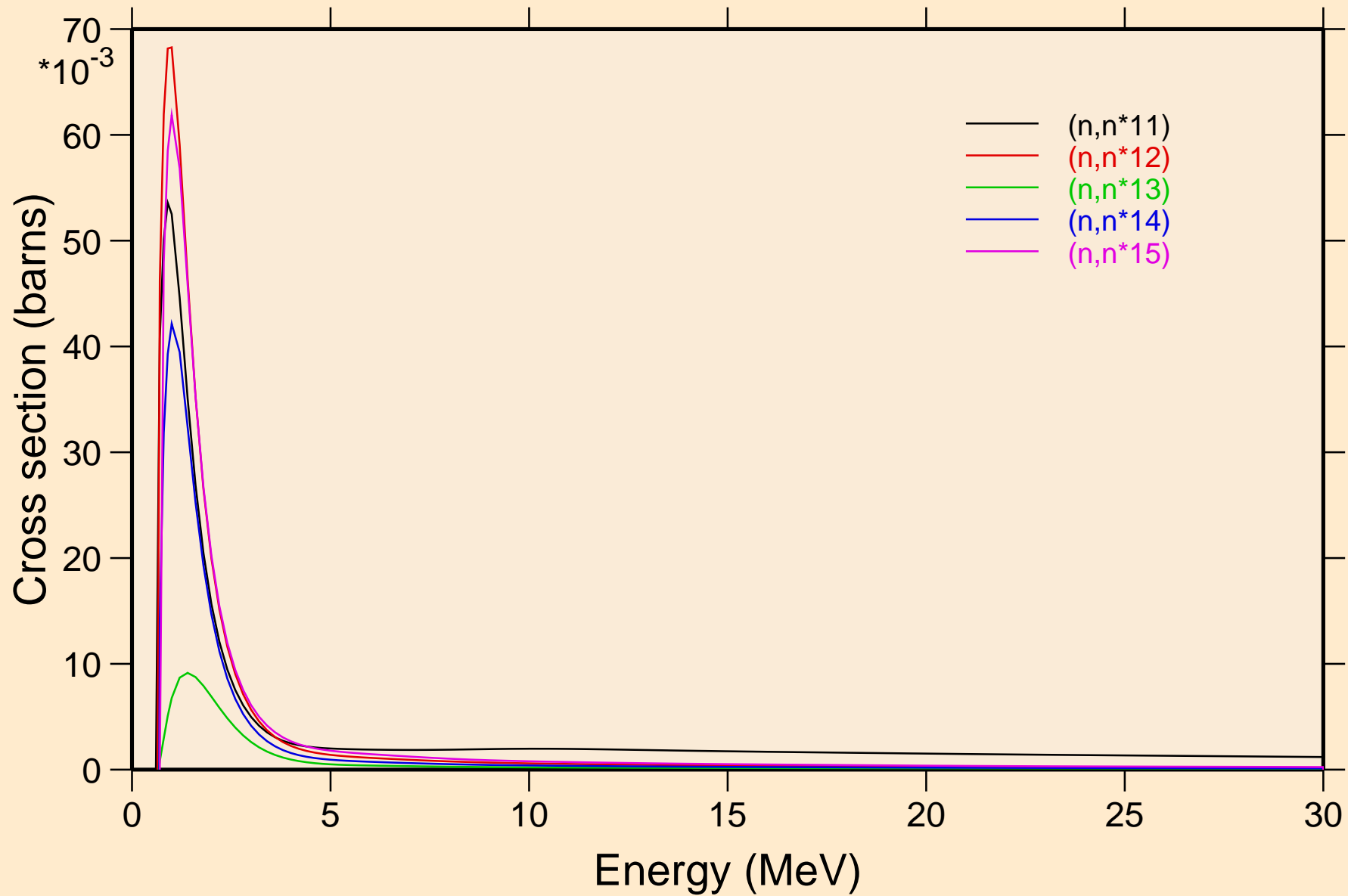
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



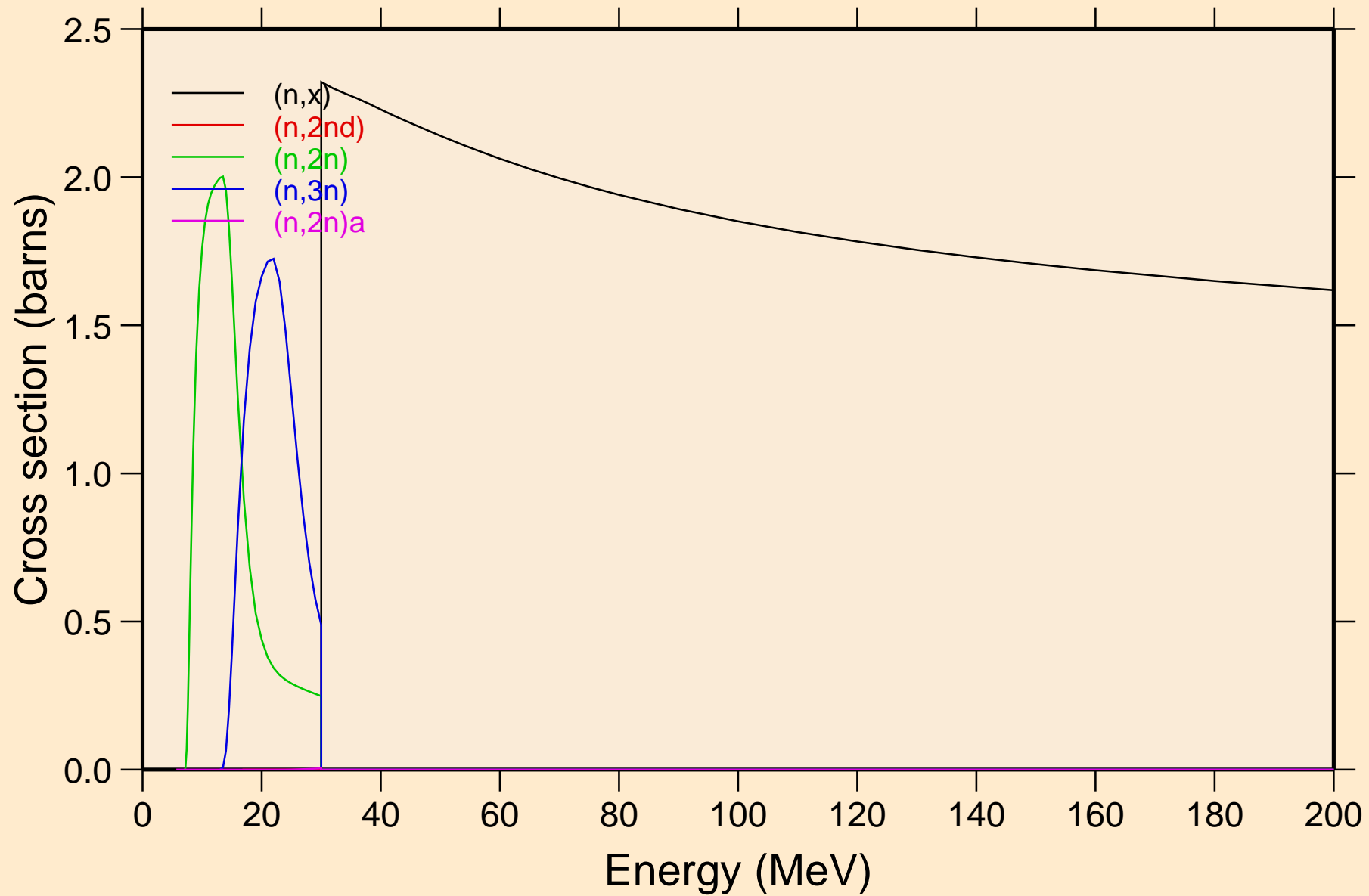
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



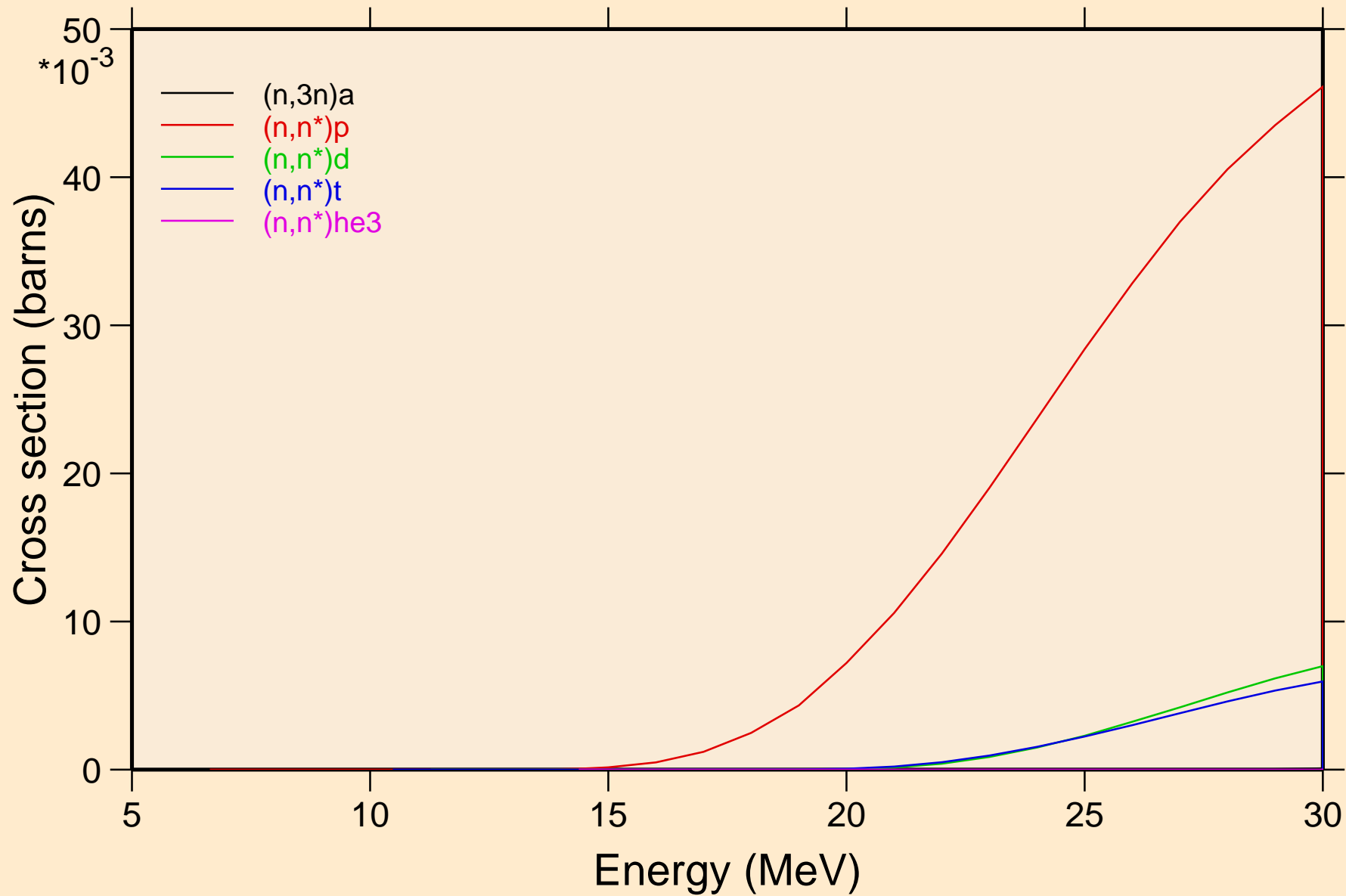
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



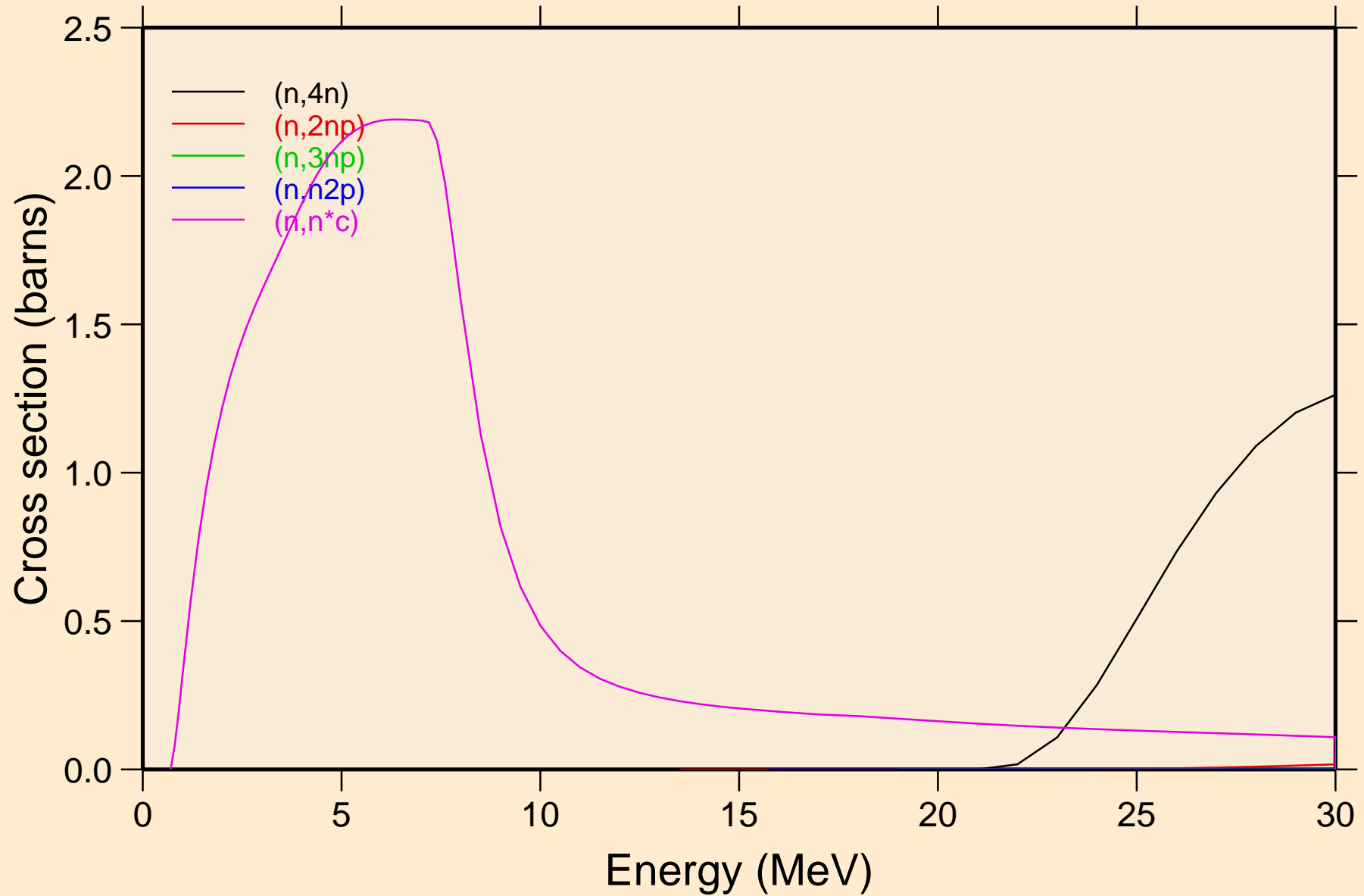
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



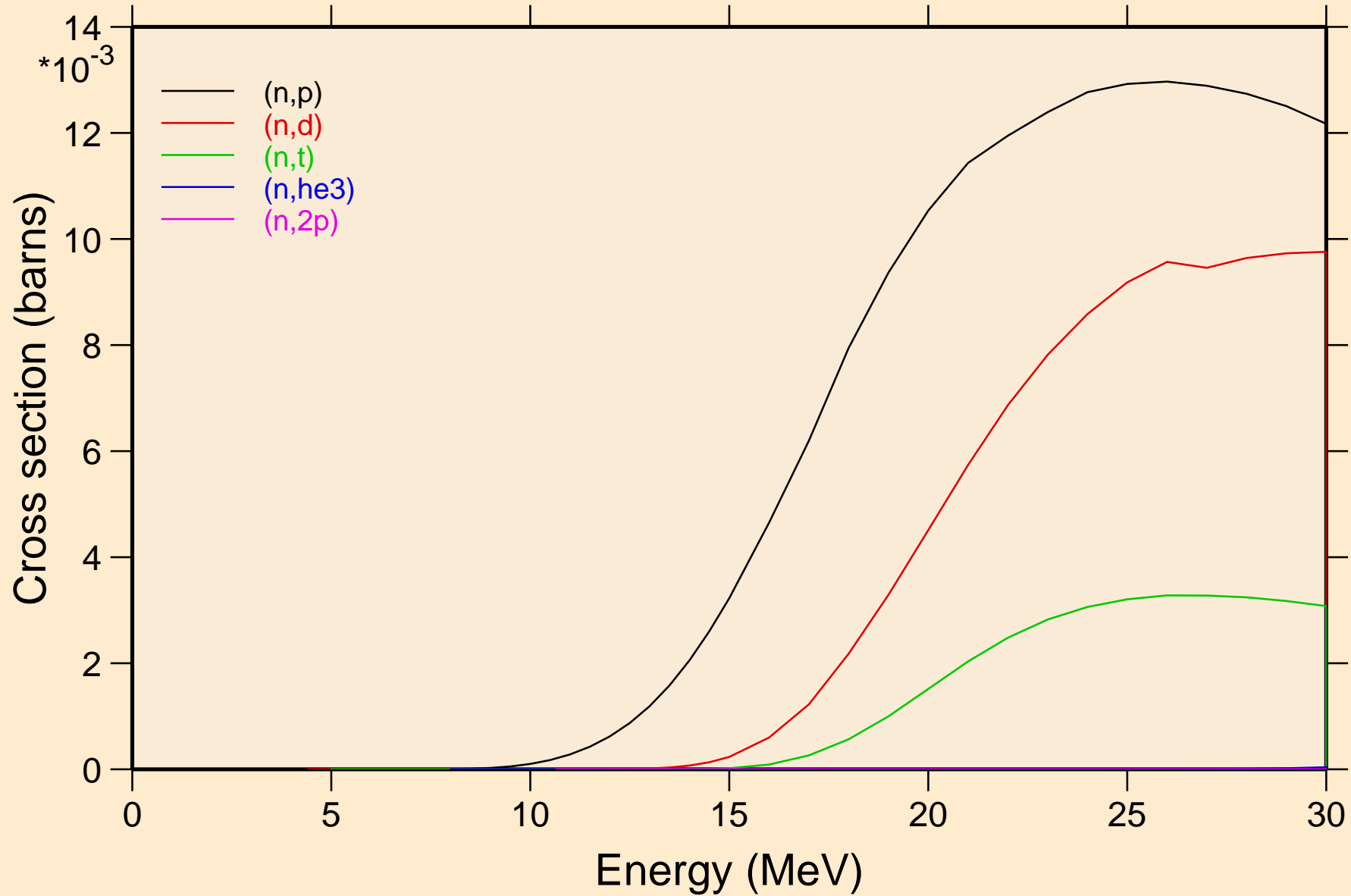
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



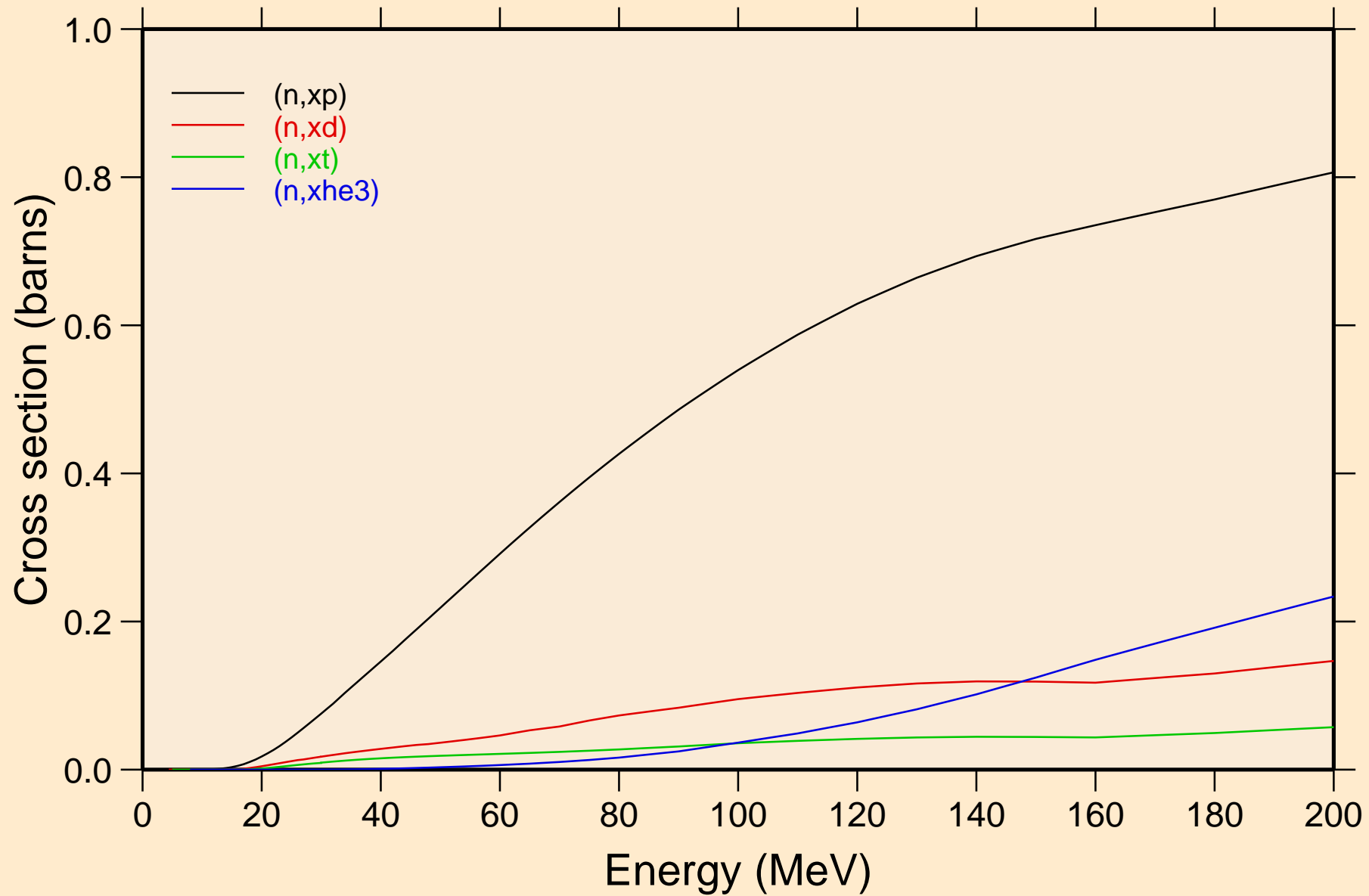
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



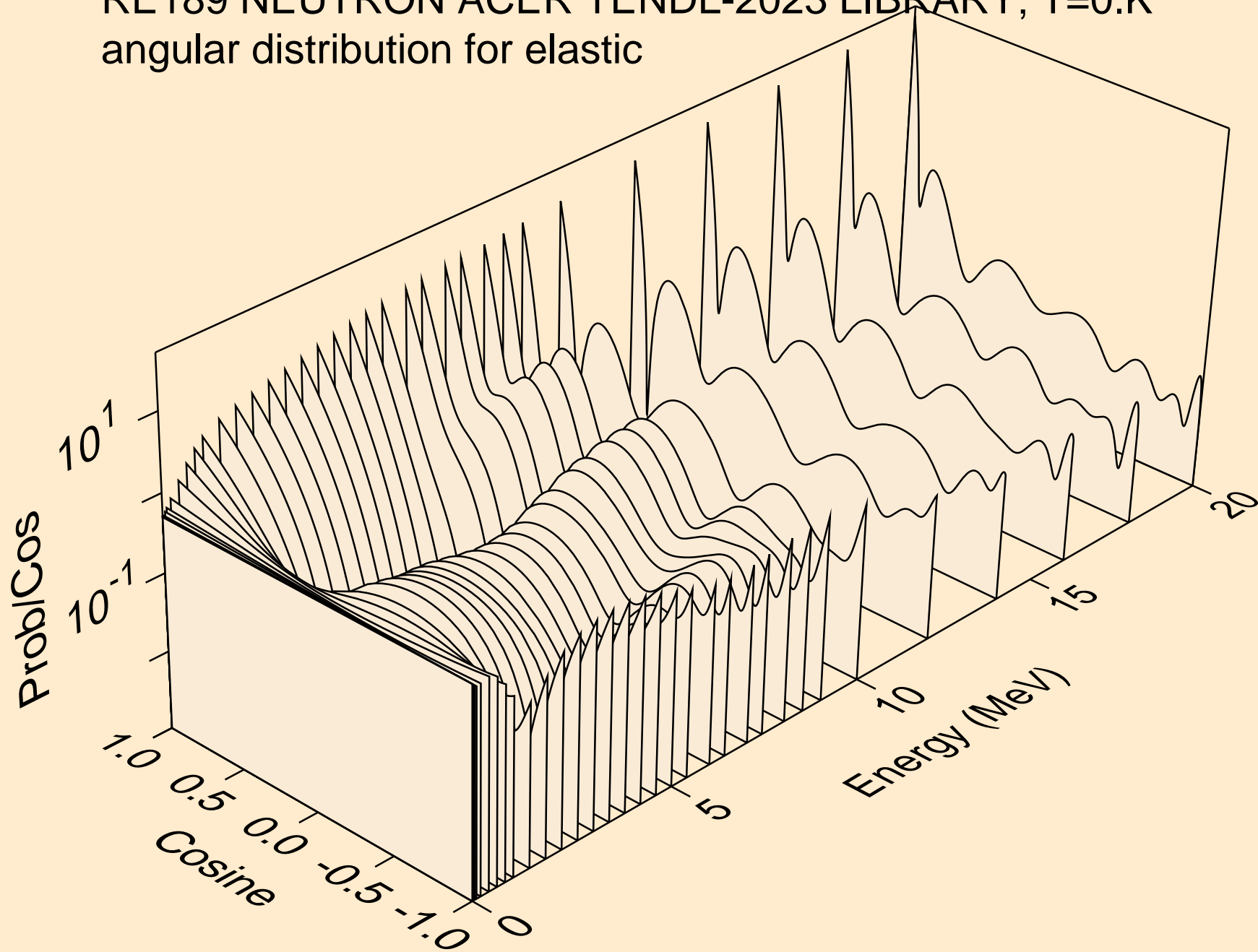
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



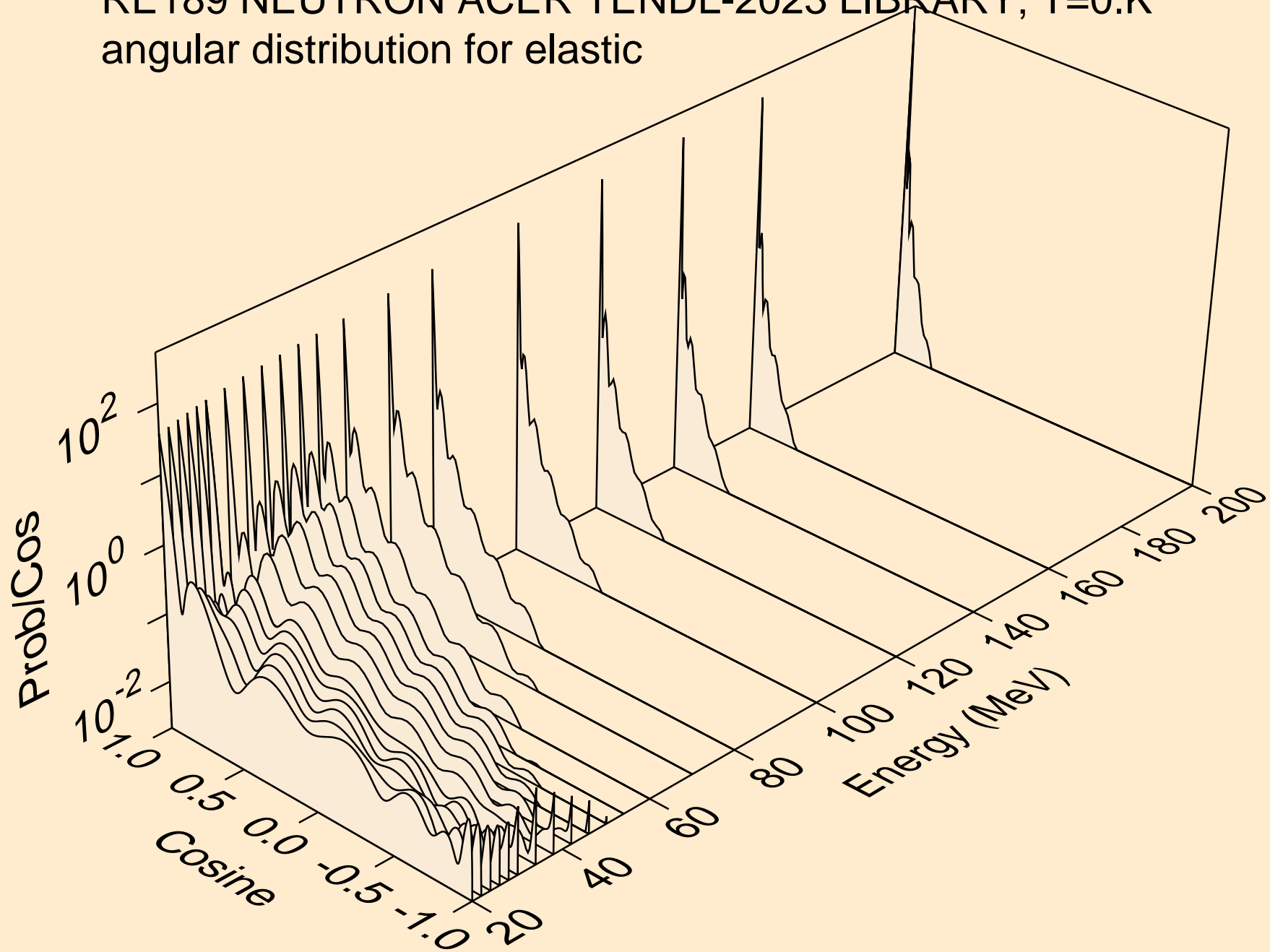
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



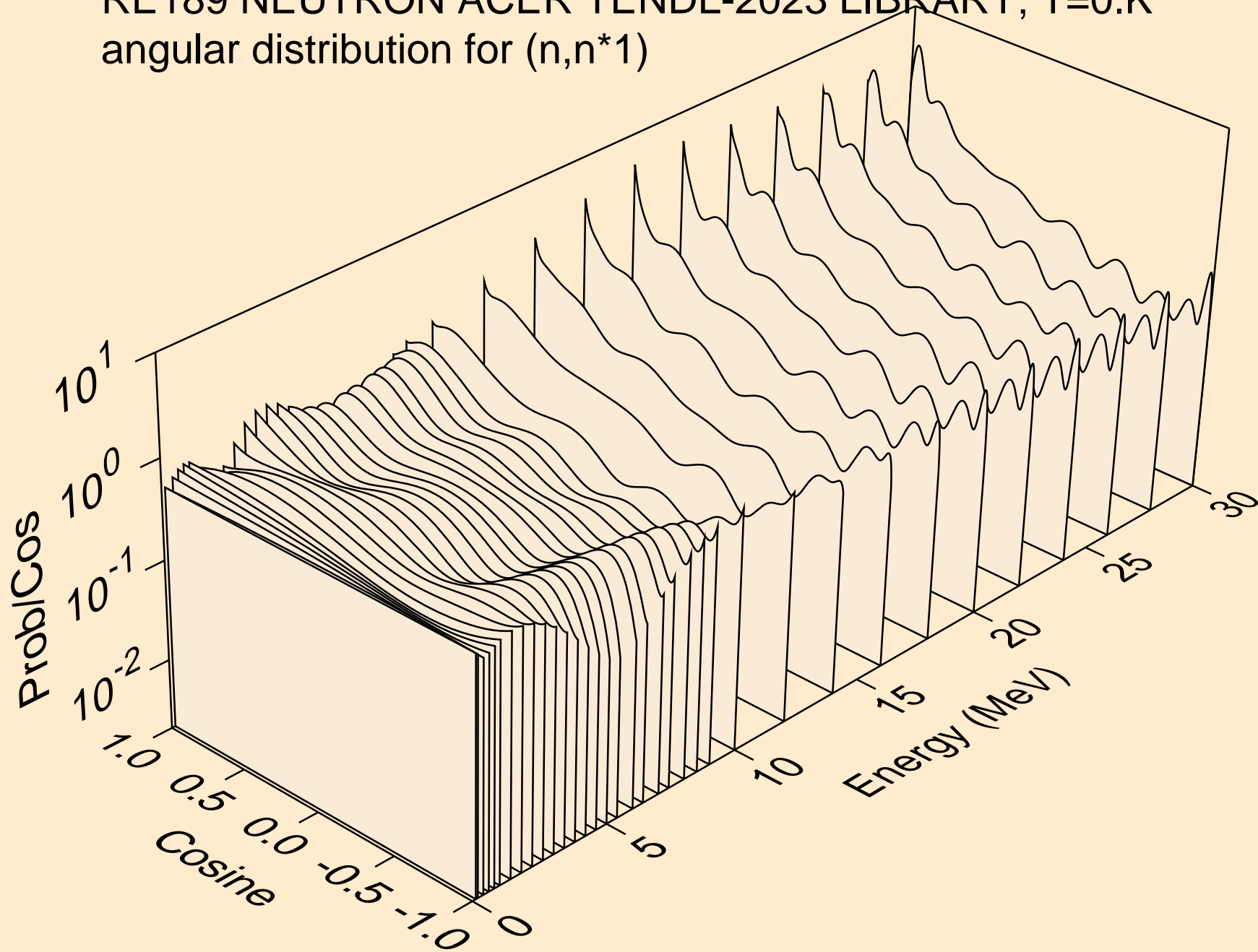
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



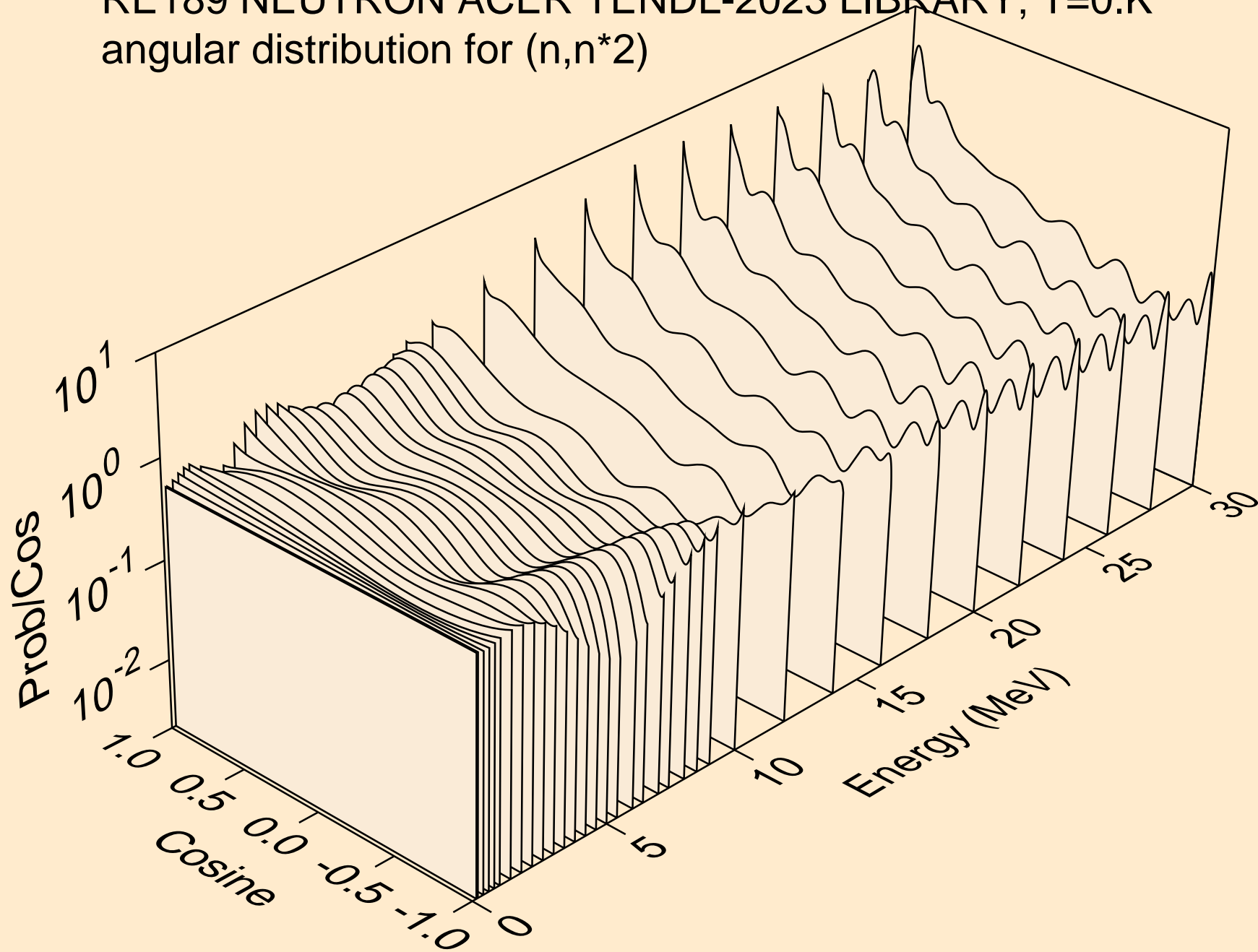
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



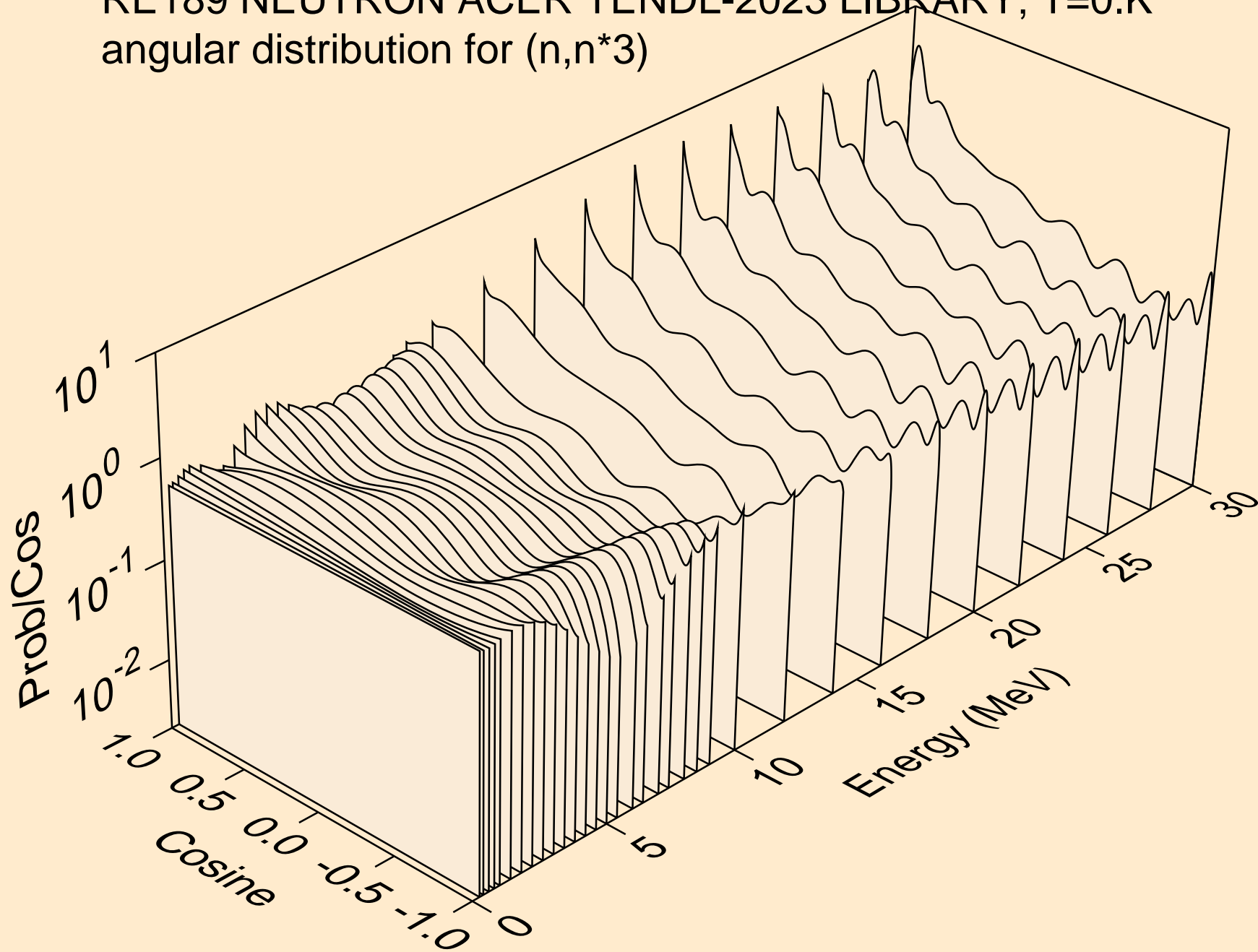
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



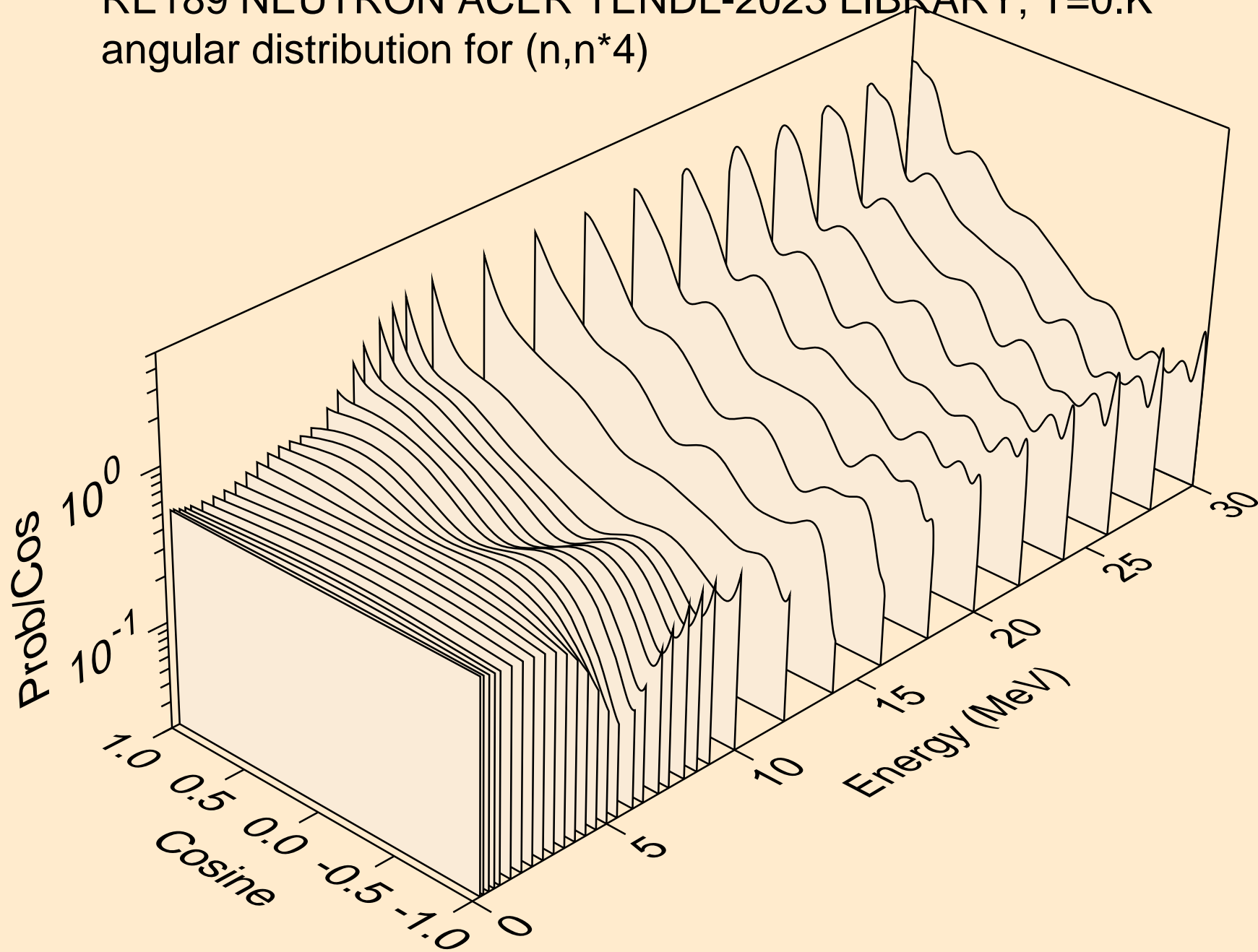
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*2)



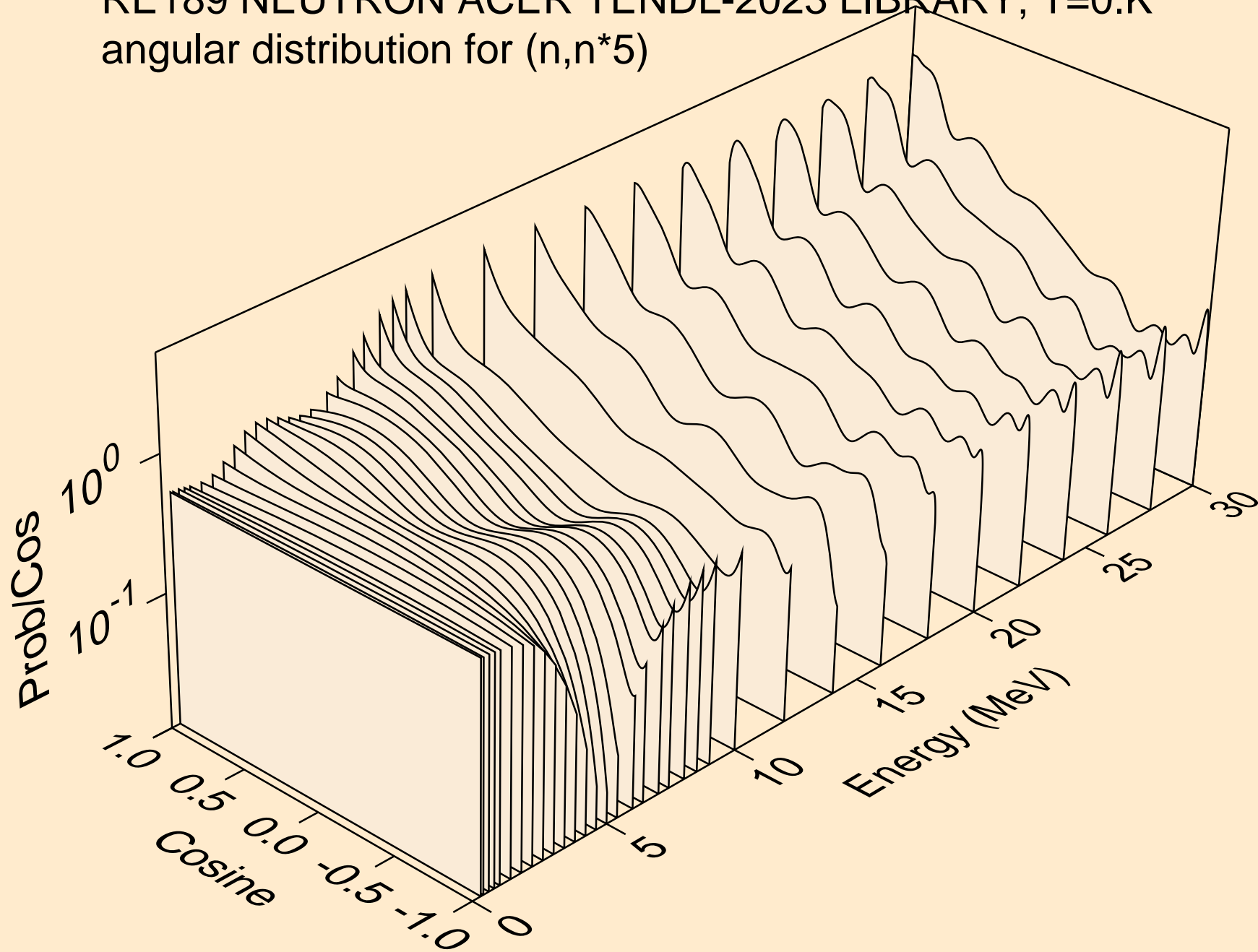
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*3)



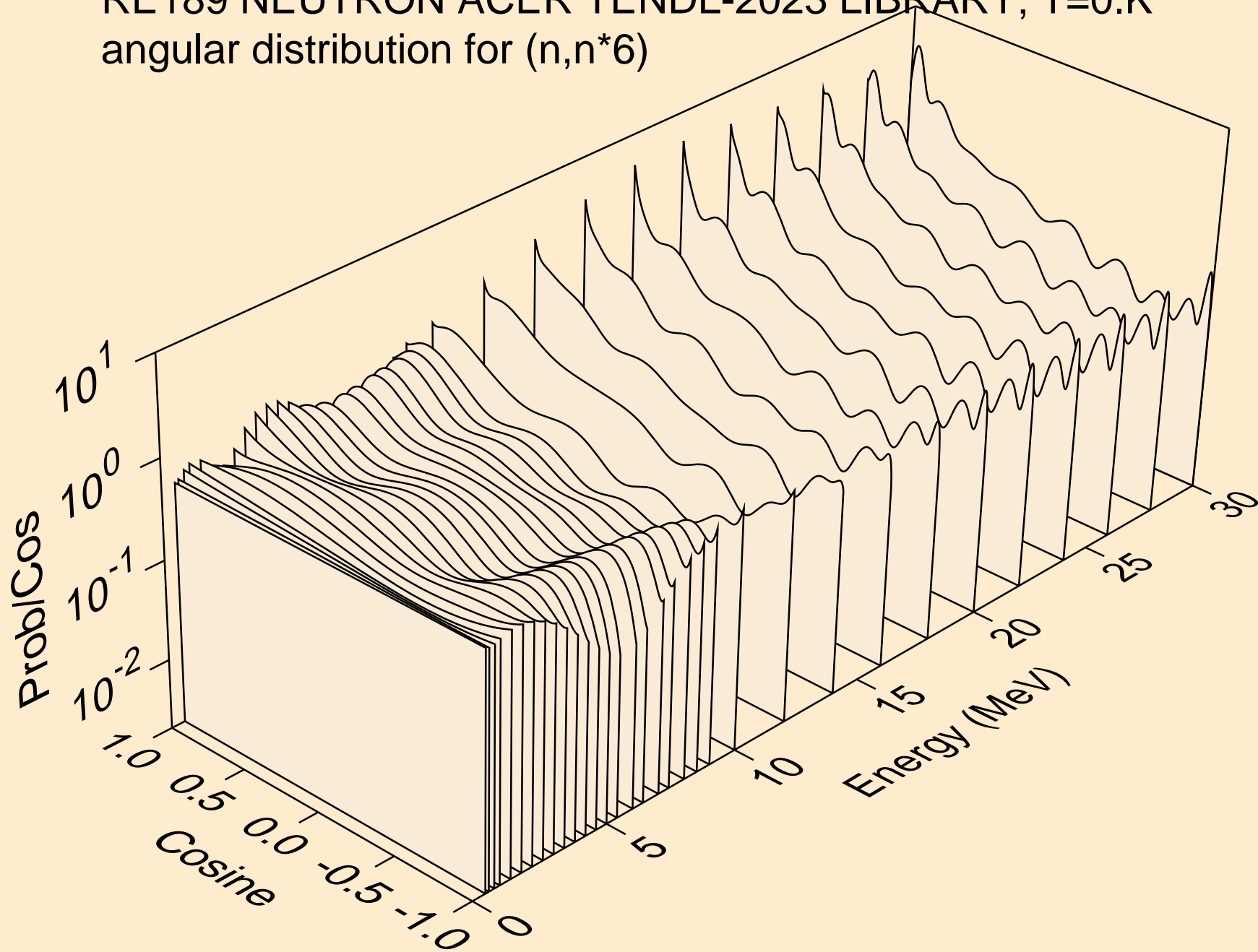
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*4)



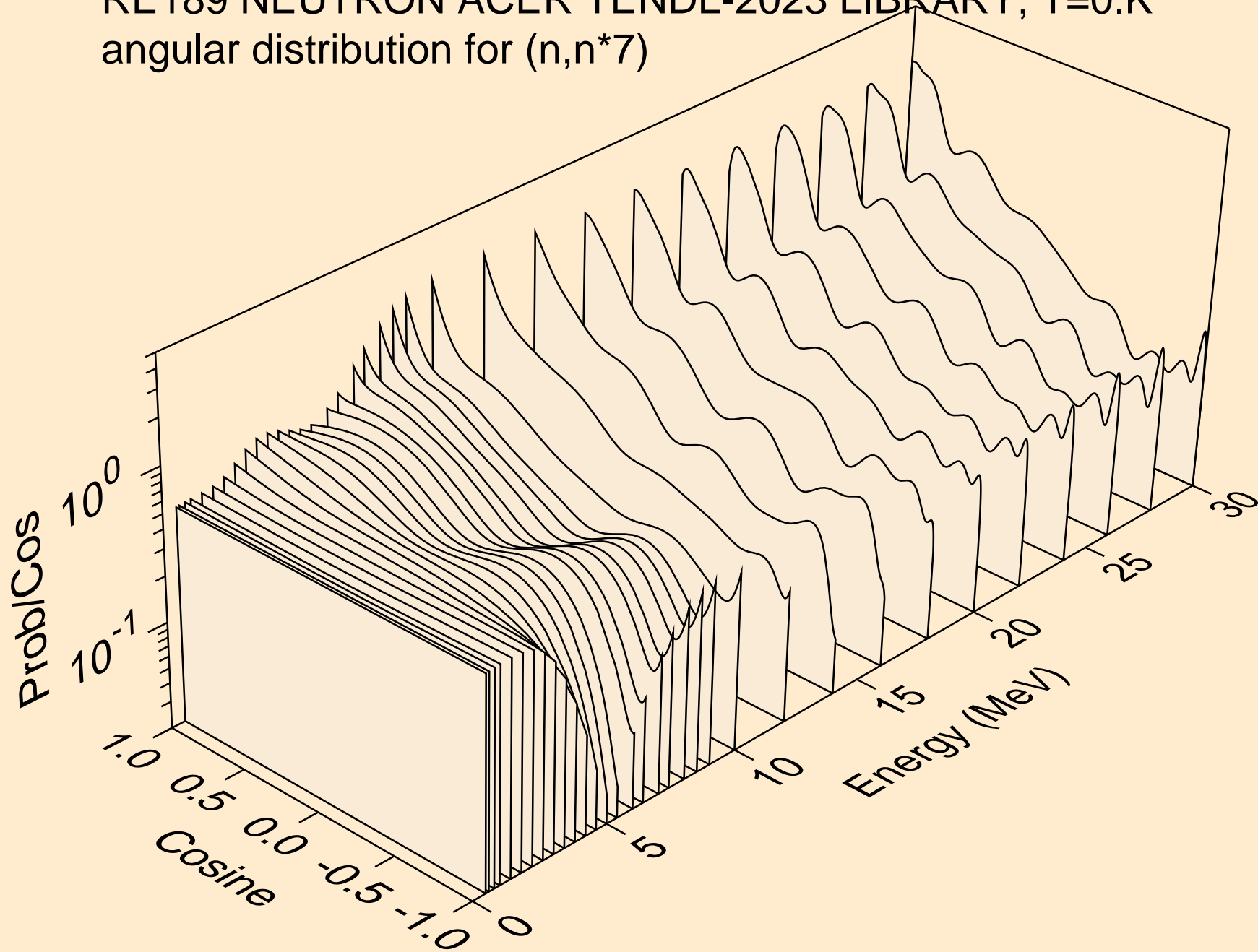
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*5)



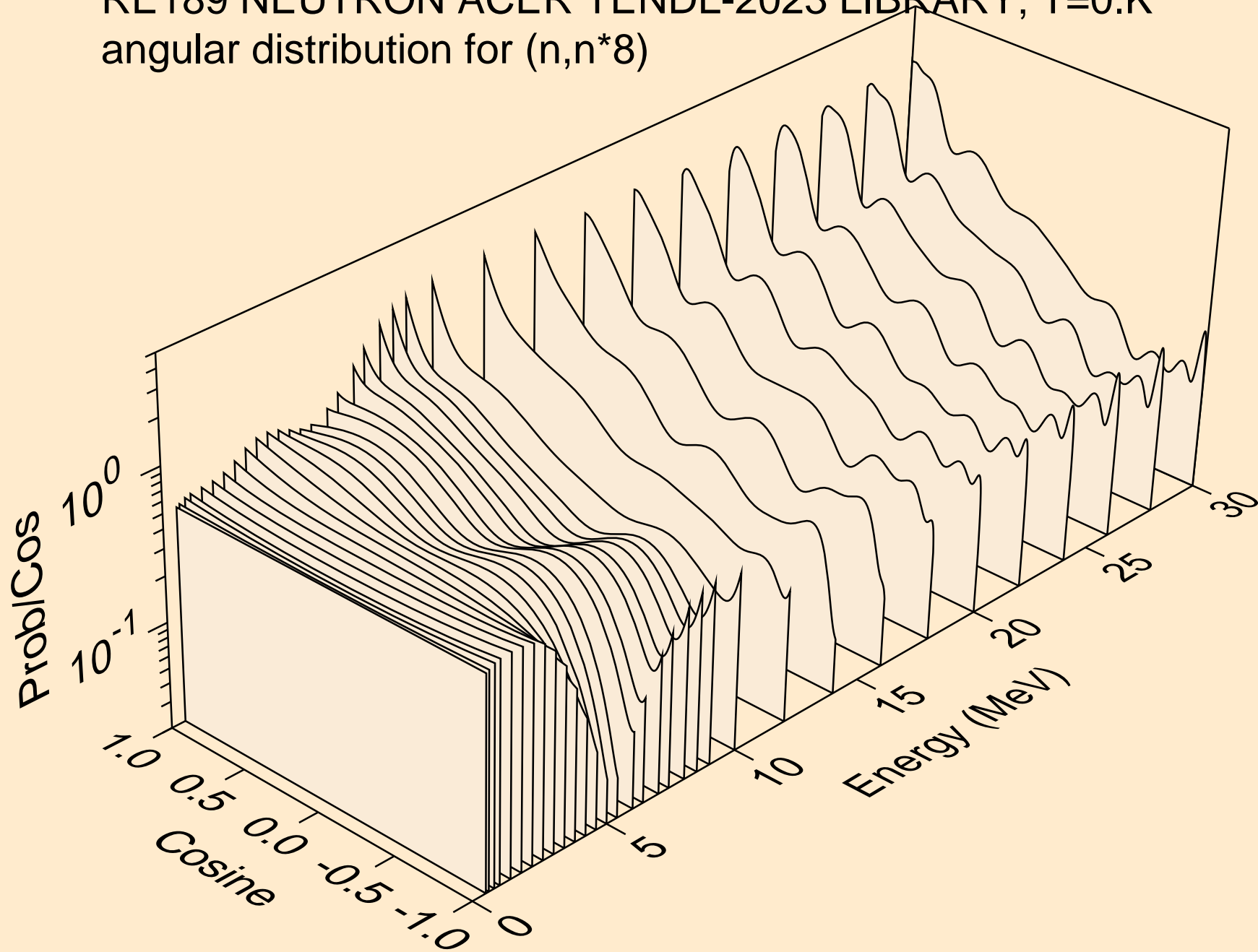
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*6)



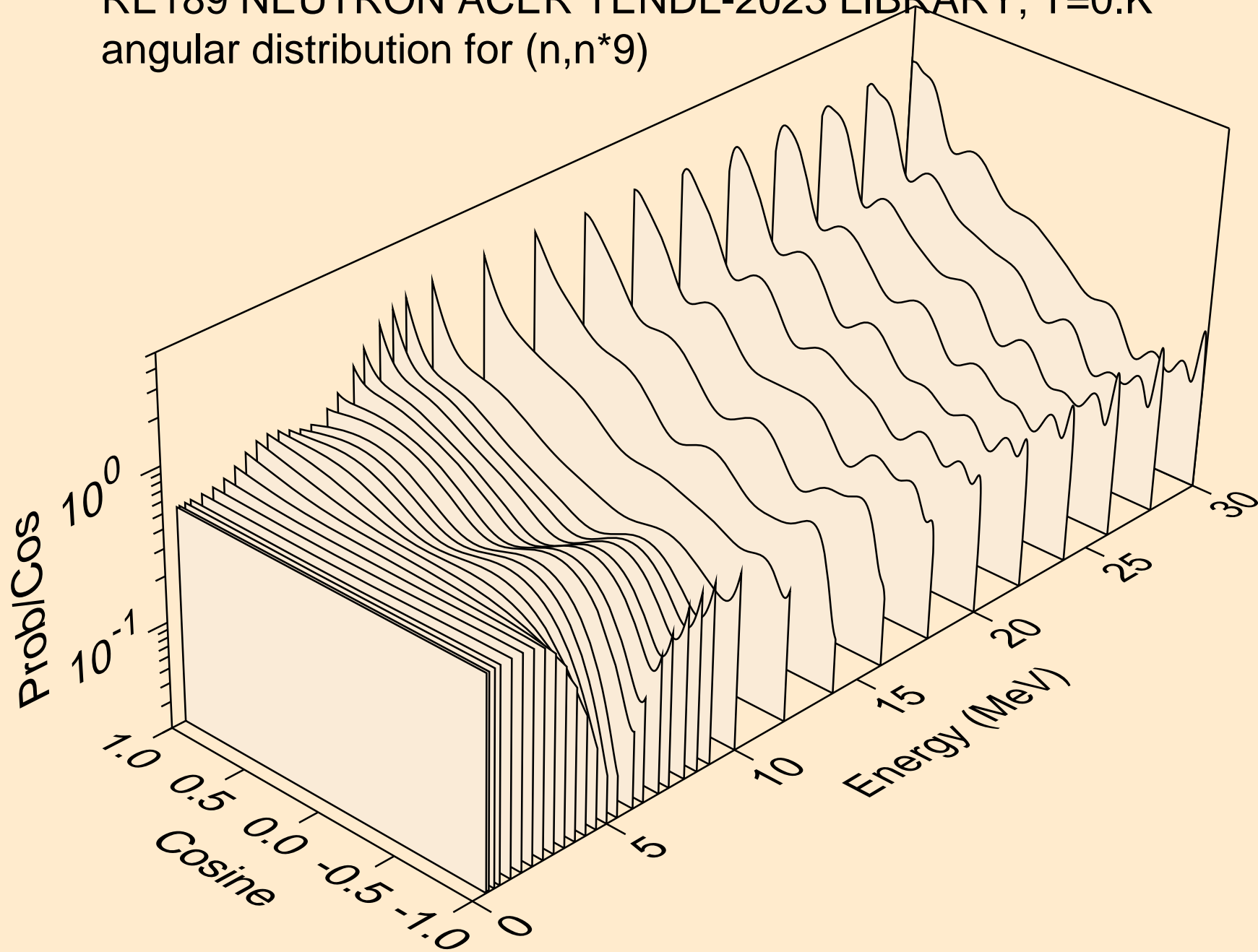
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*7)



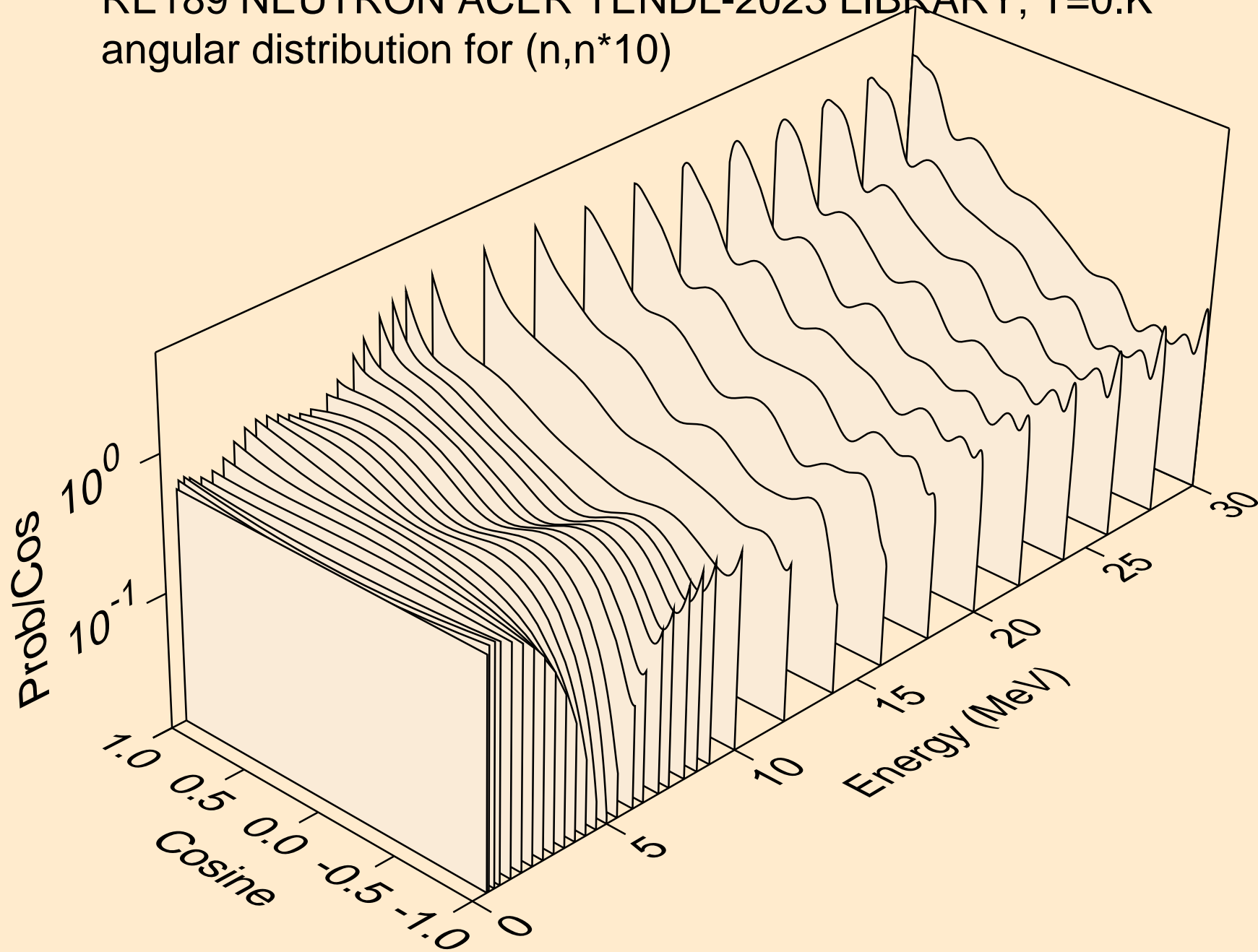
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*8)



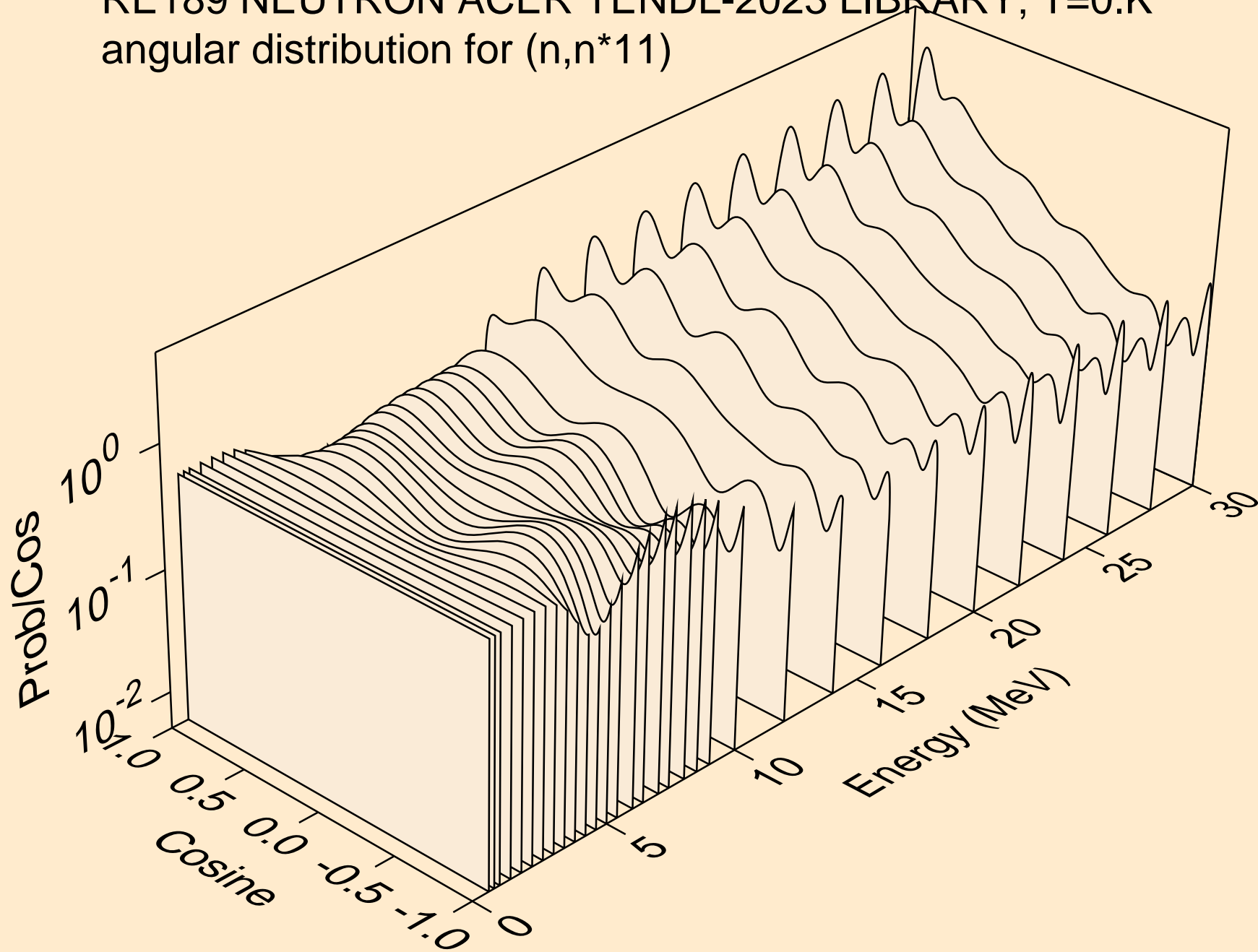
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*9)



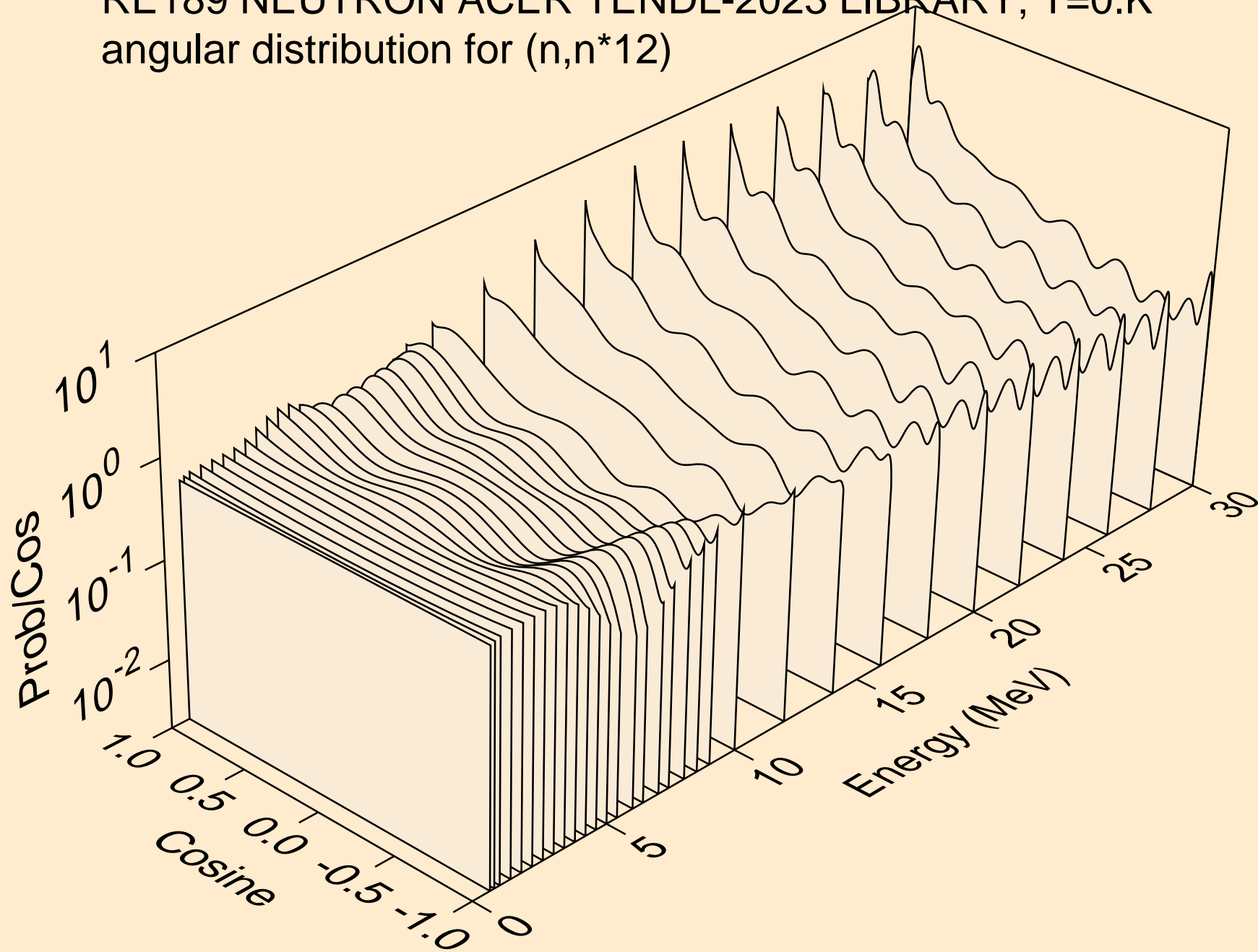
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*10)



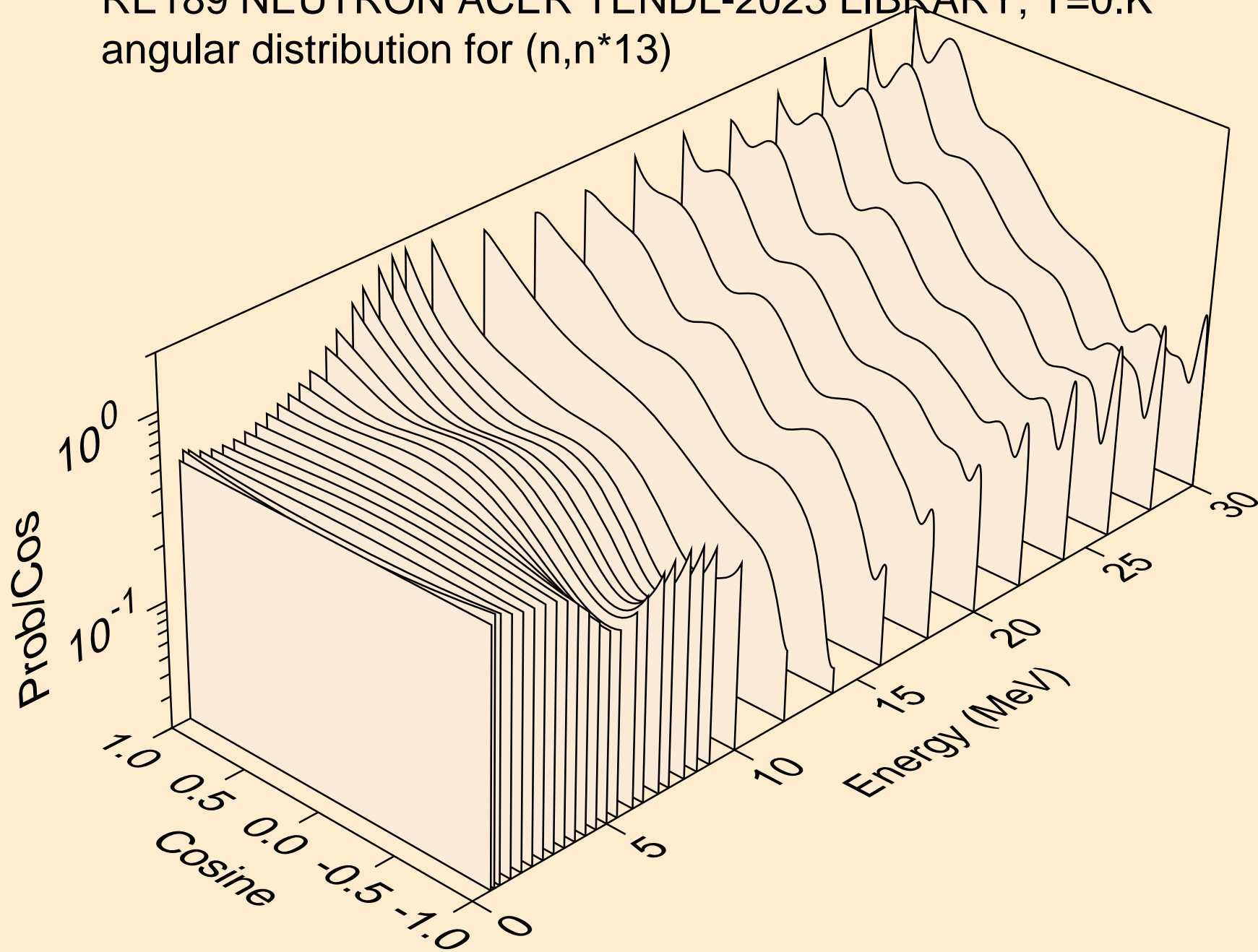
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*11)



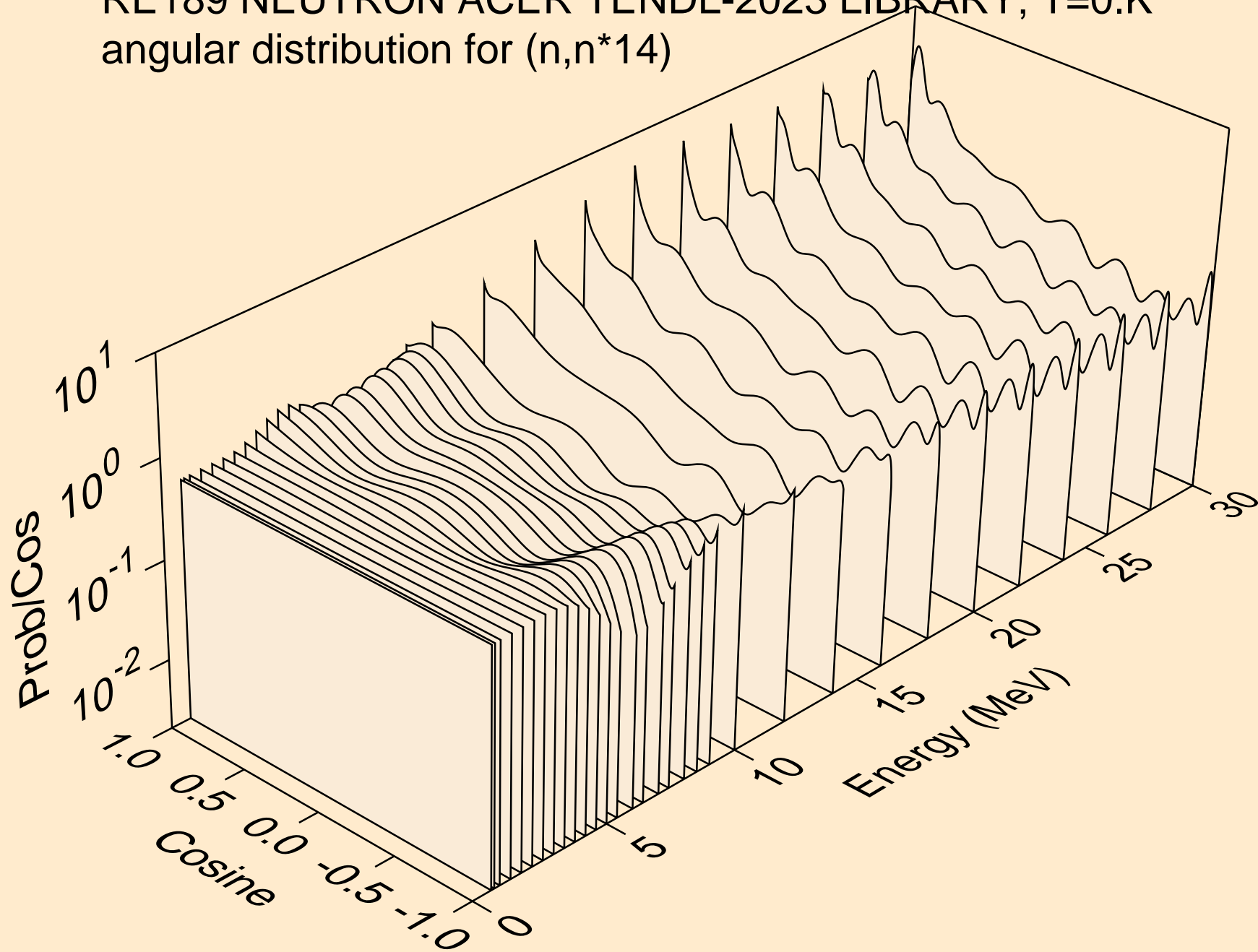
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*12)



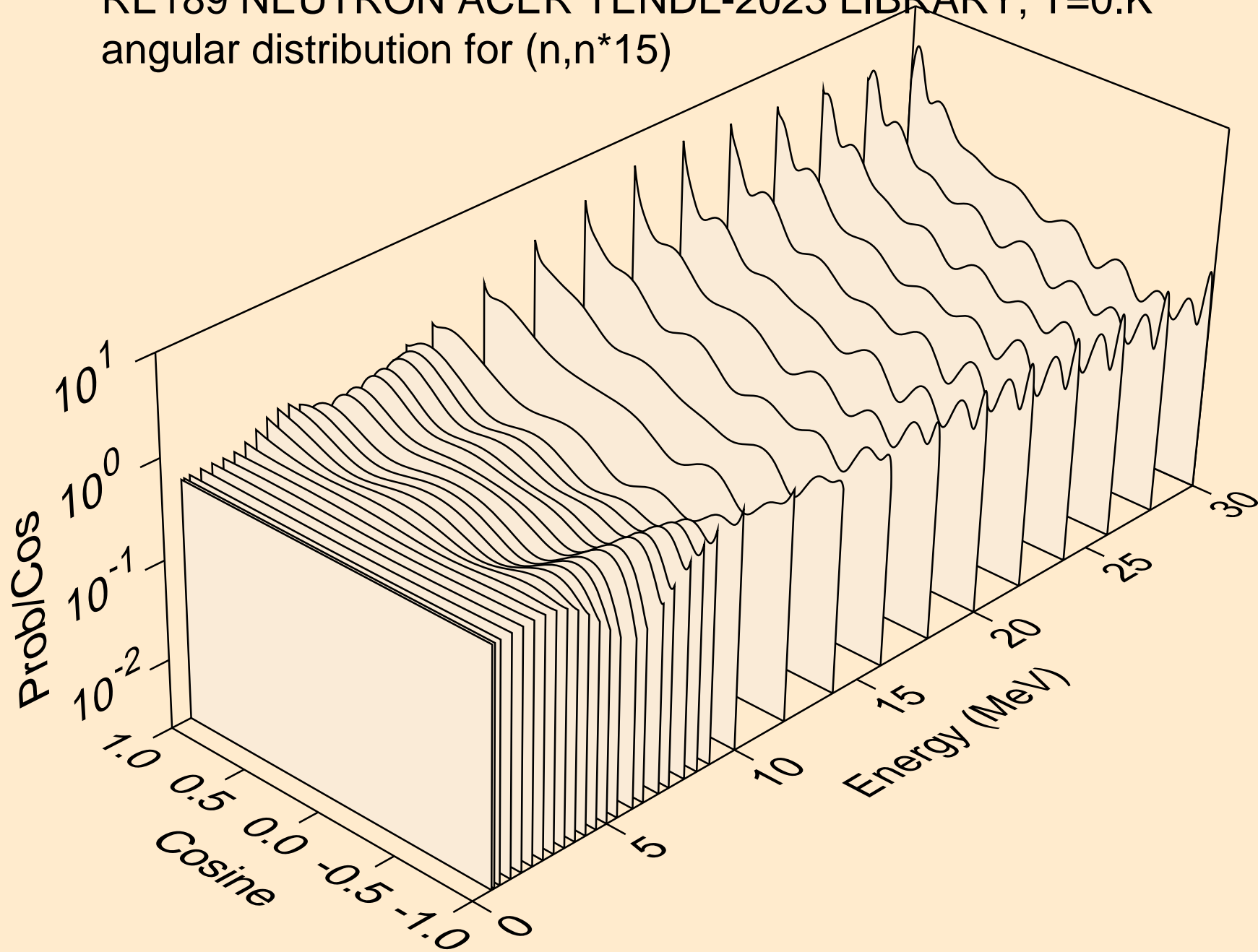
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*13)



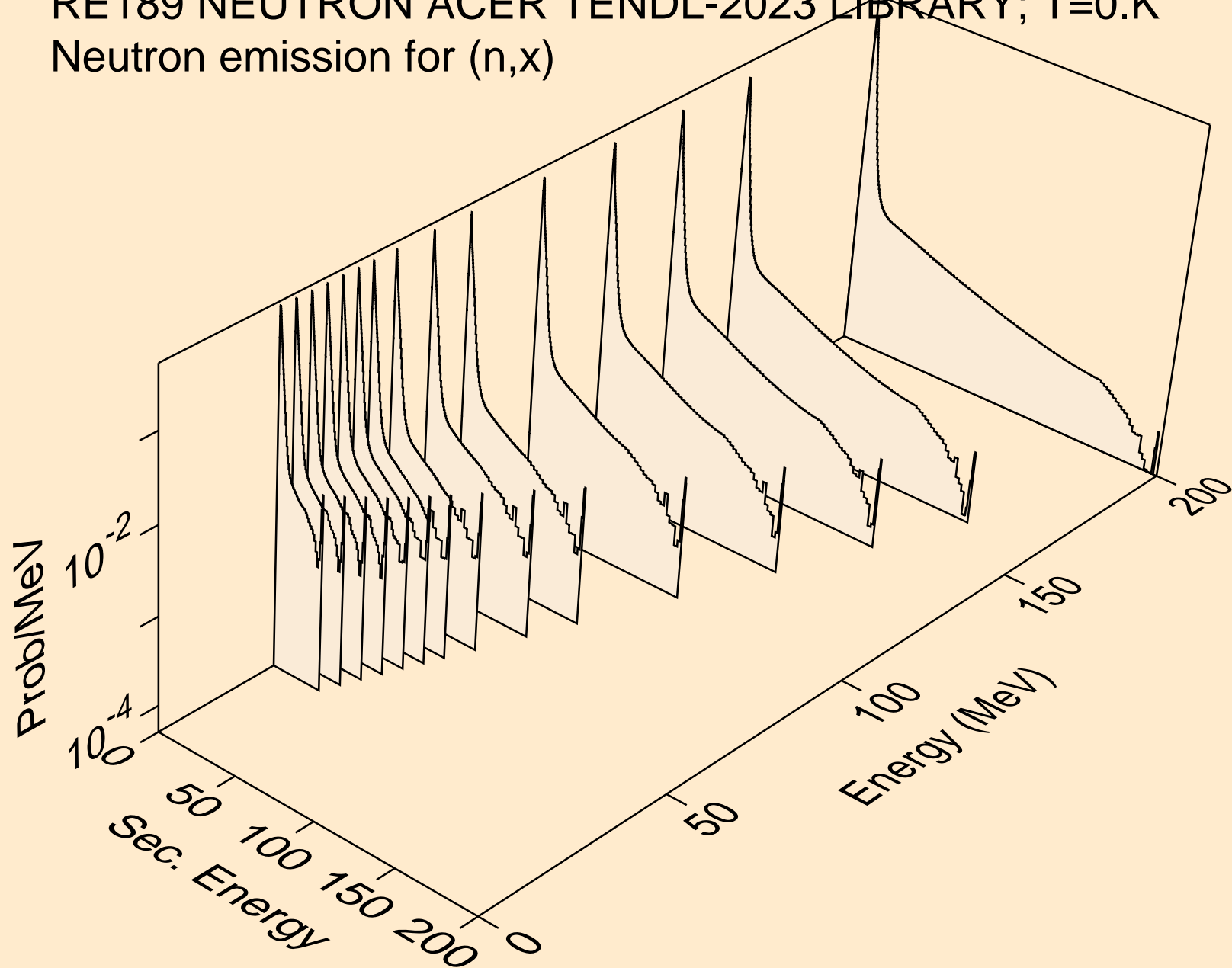
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*14)



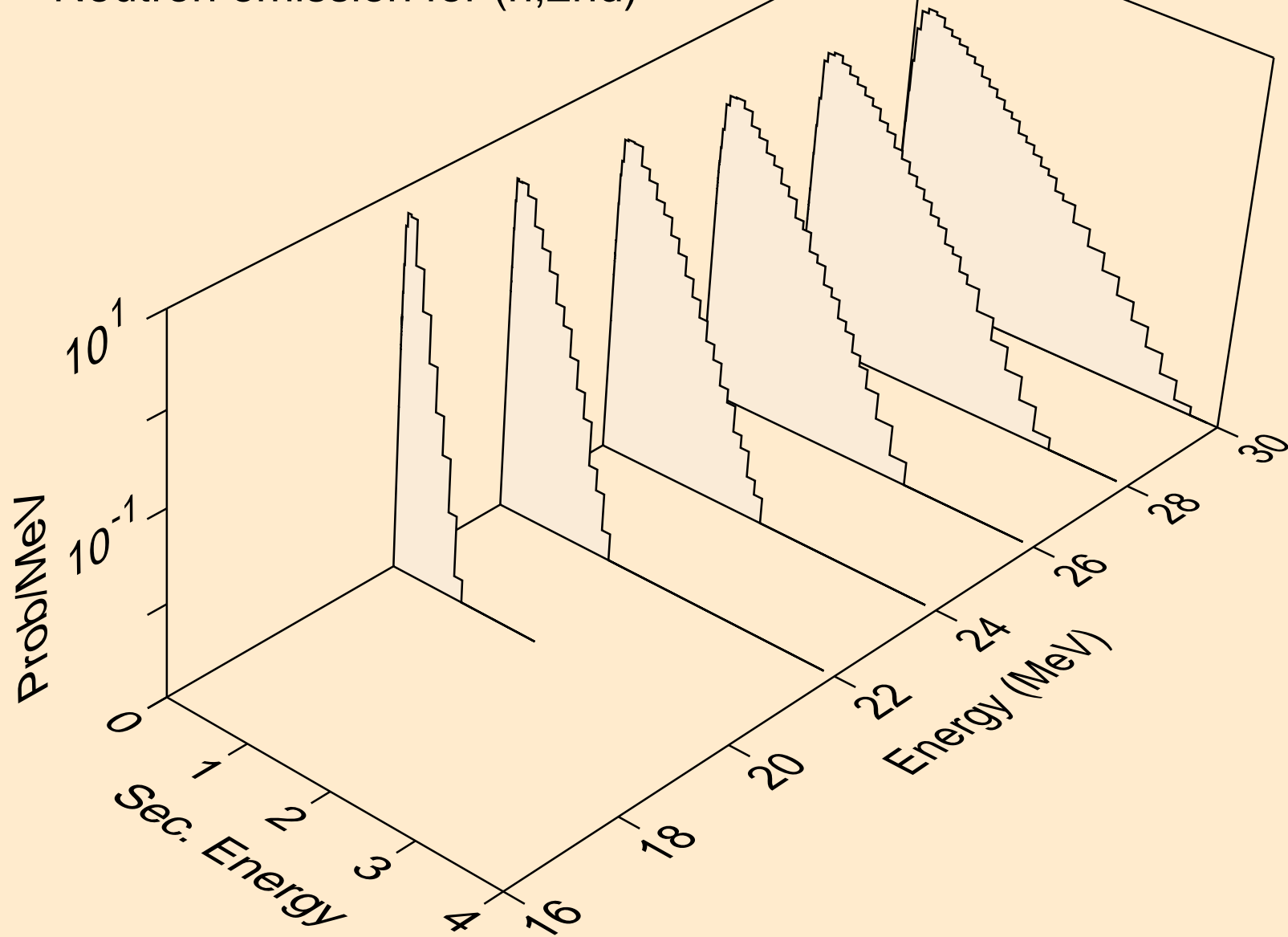
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*15)



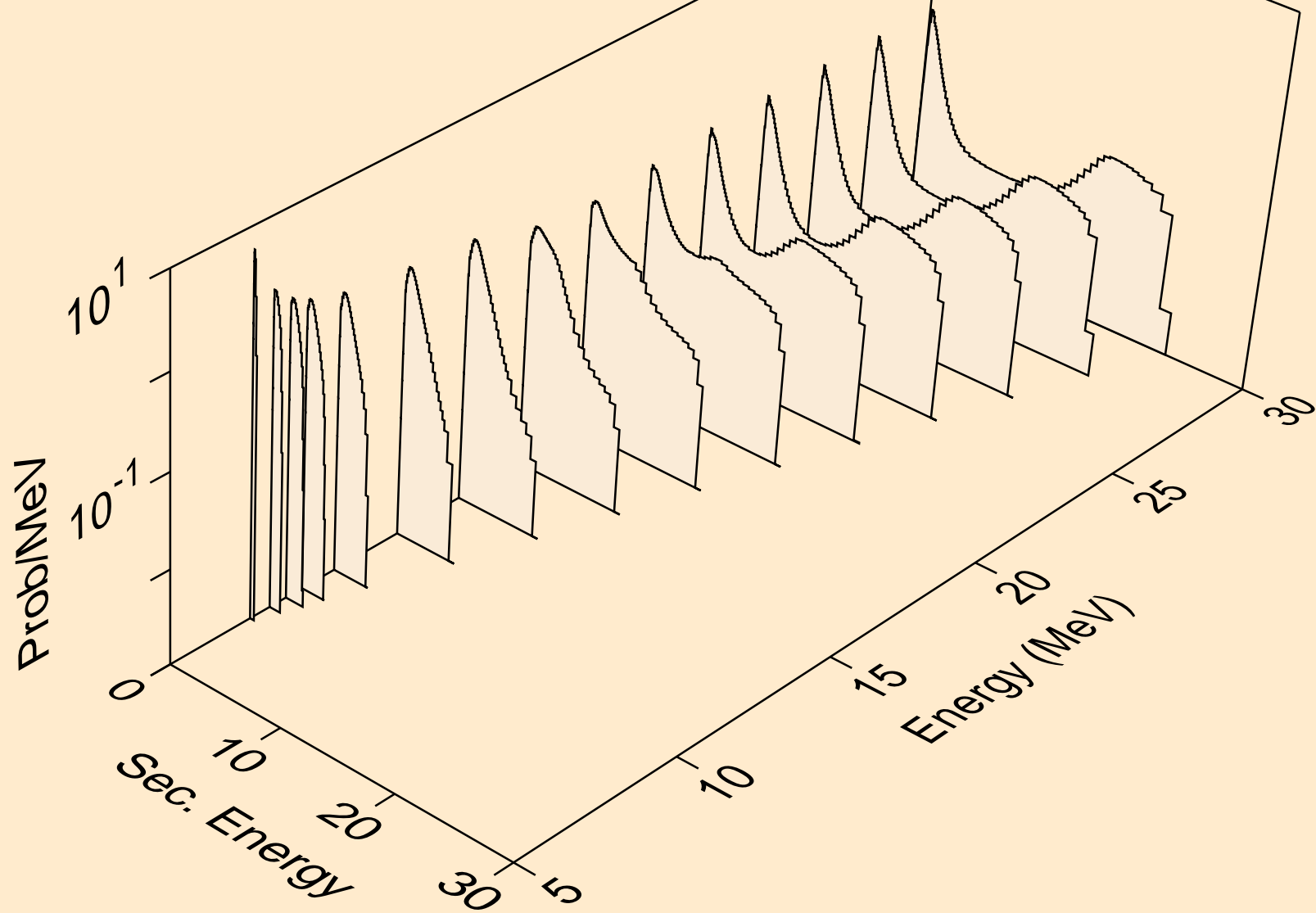
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,x)



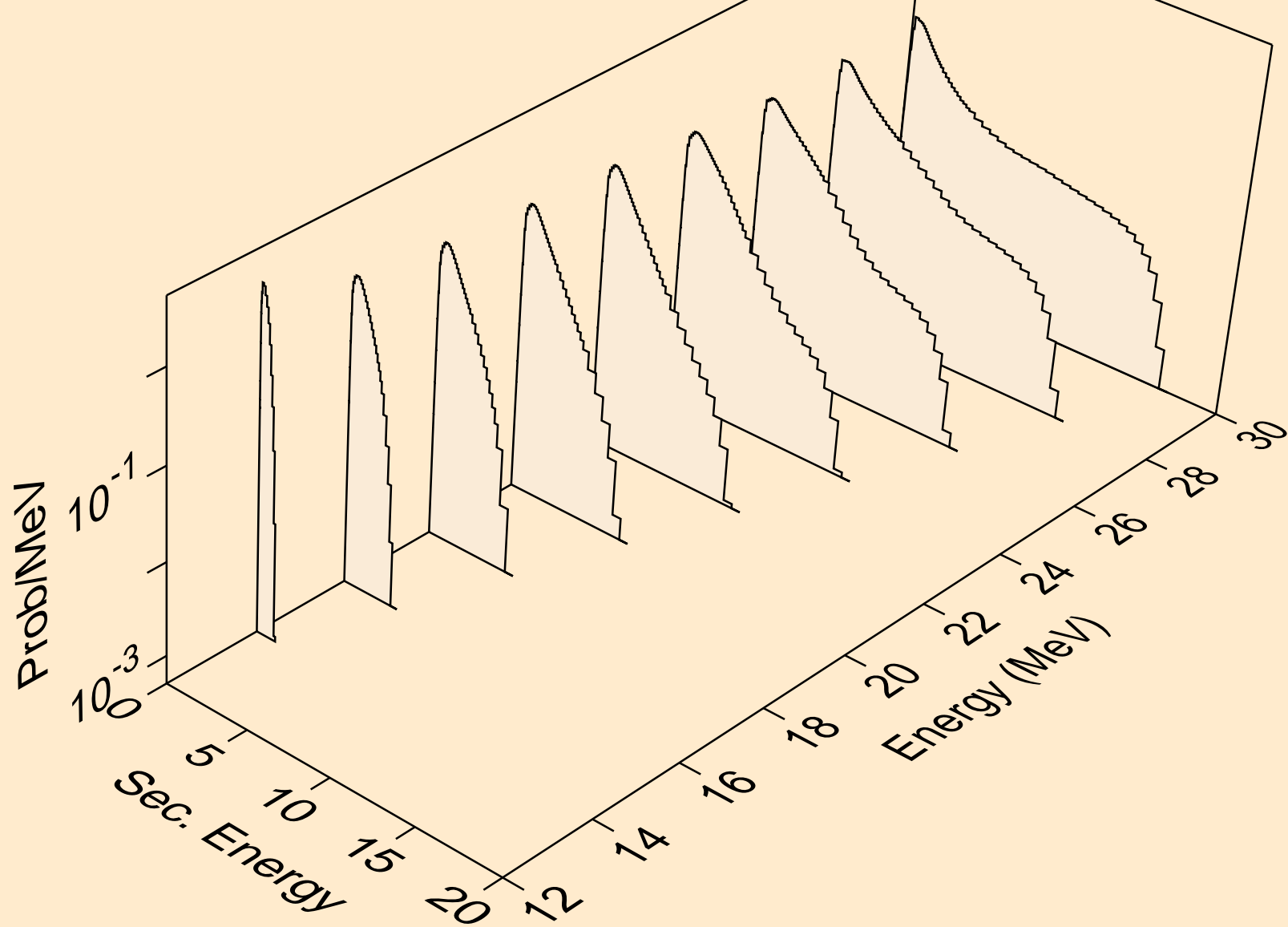
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



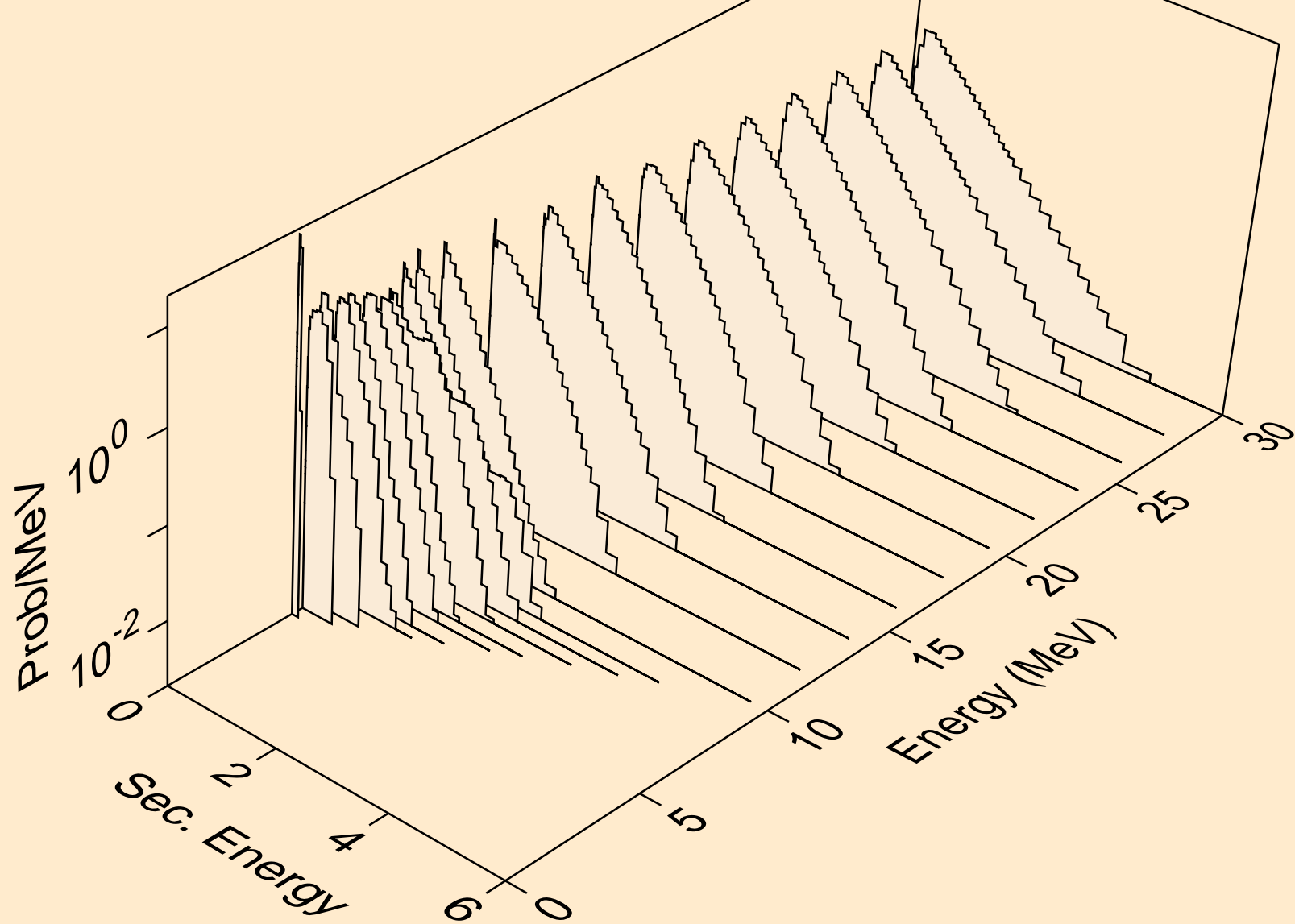
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)



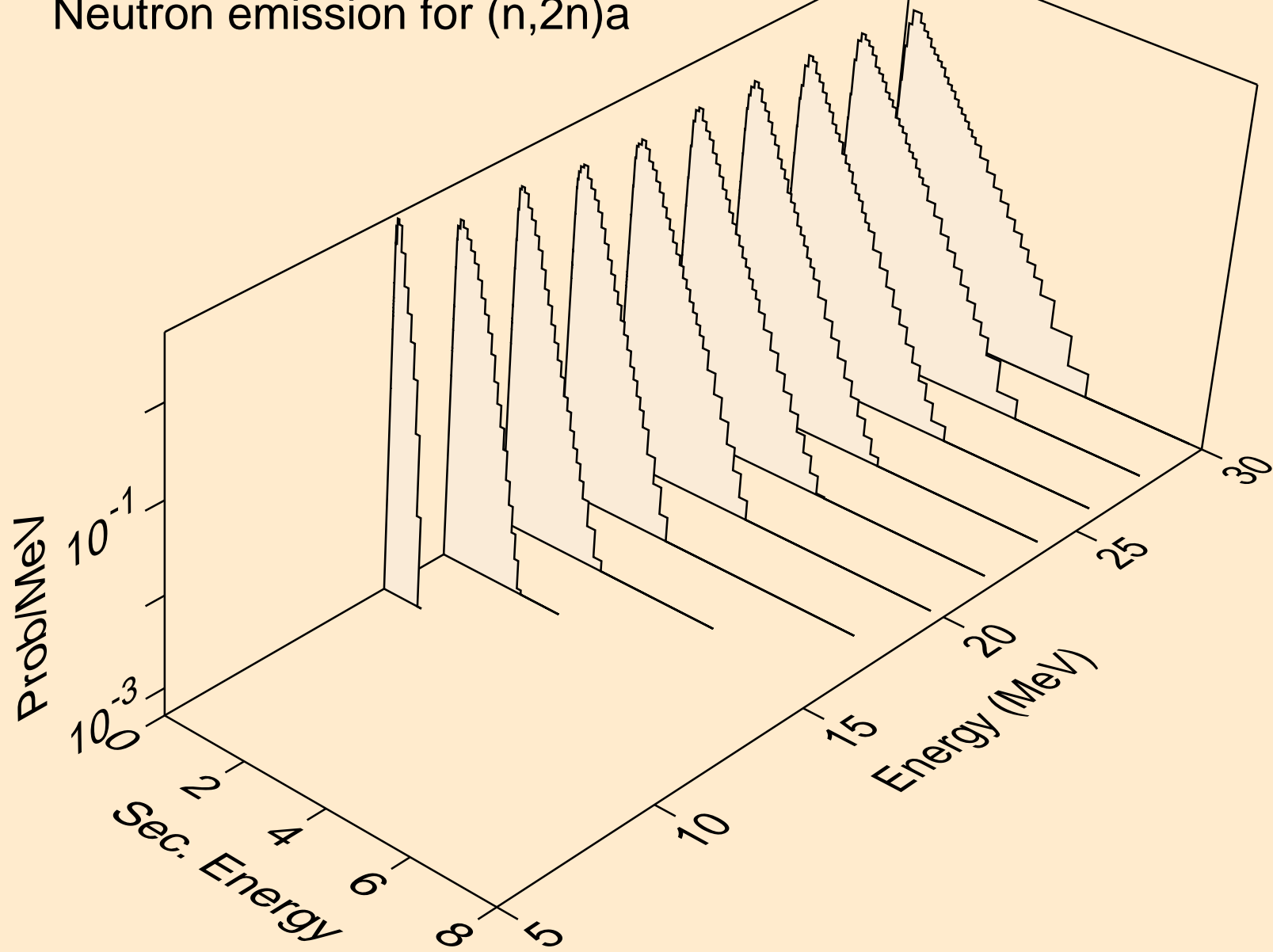
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)



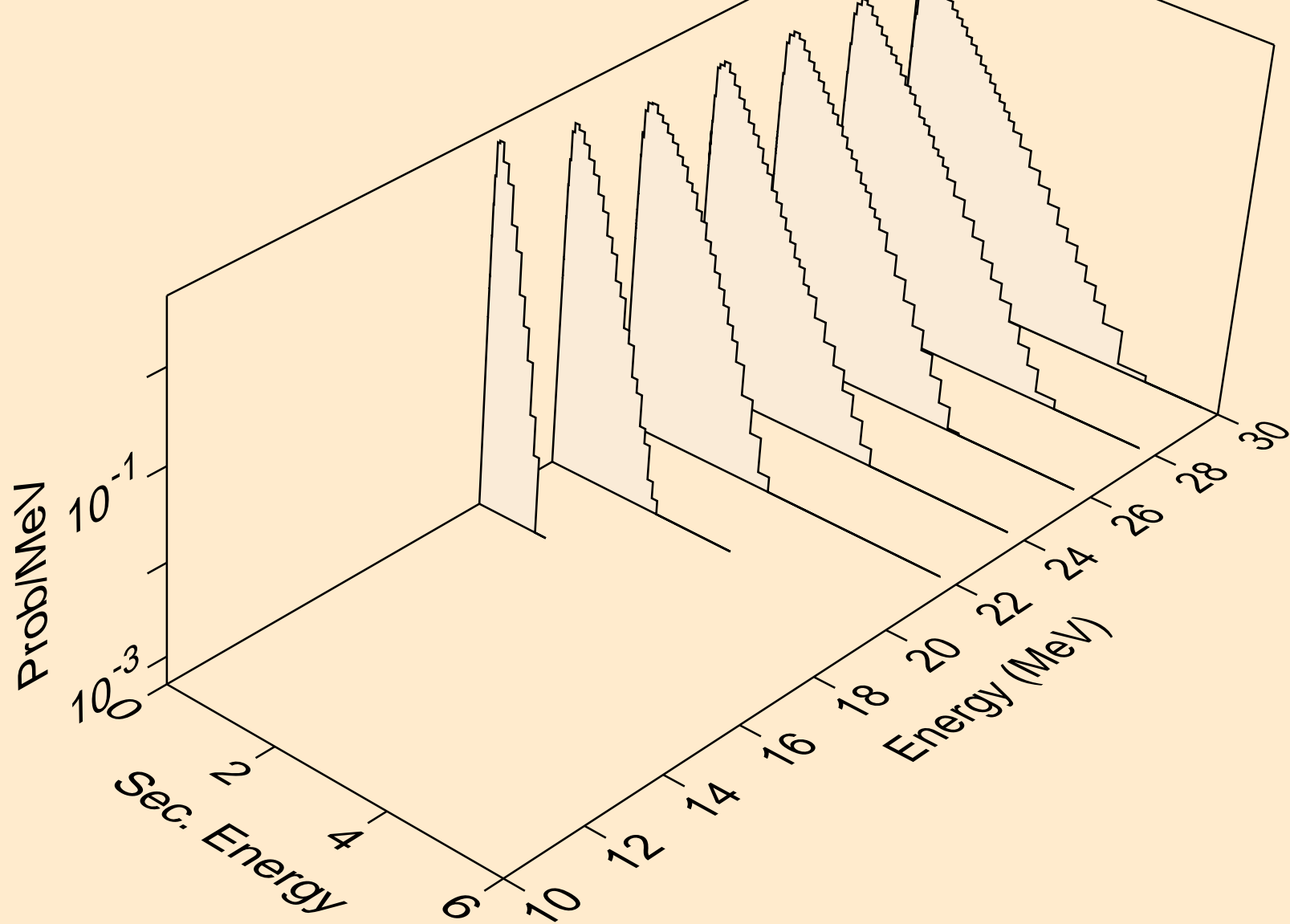
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



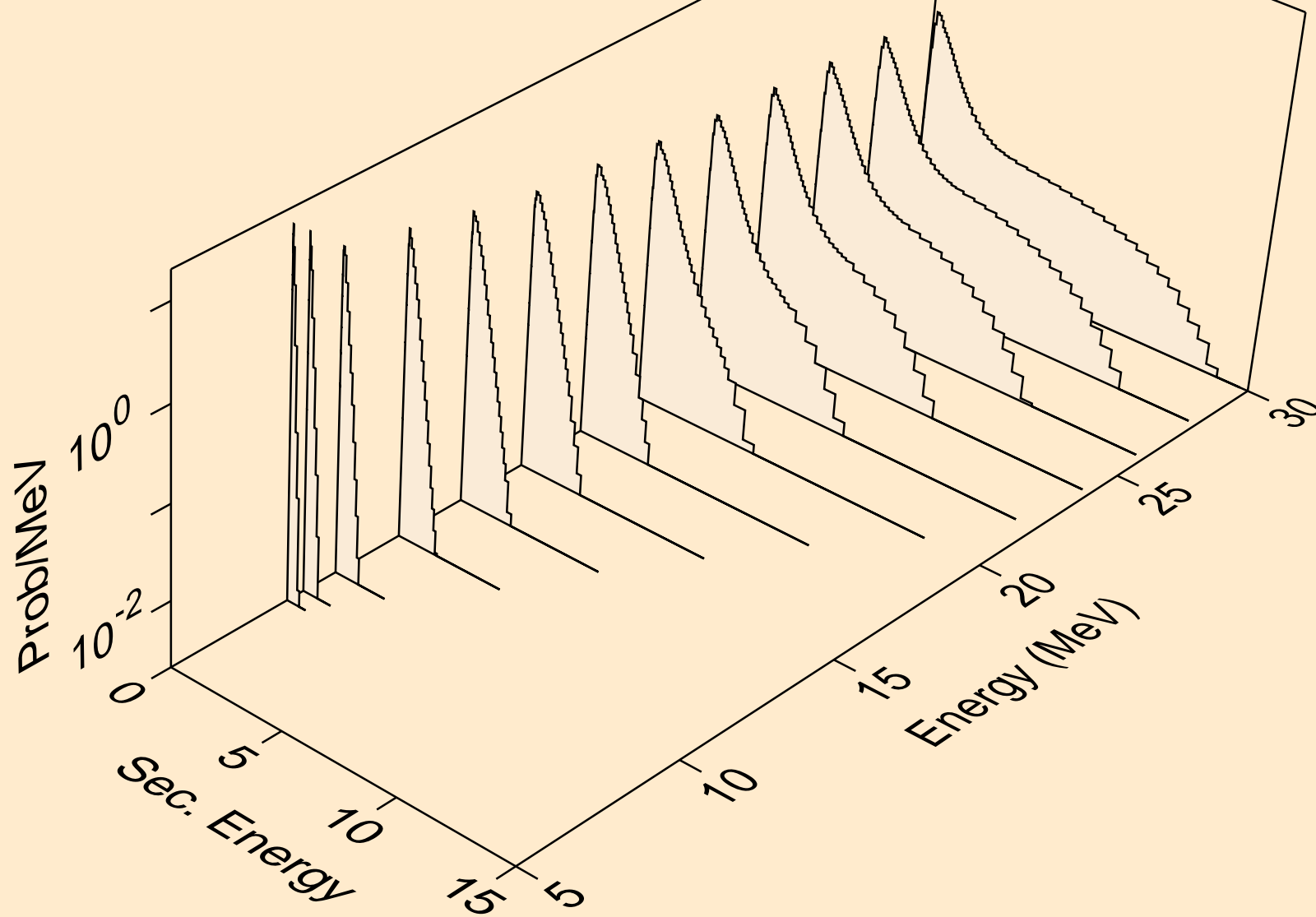
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)a



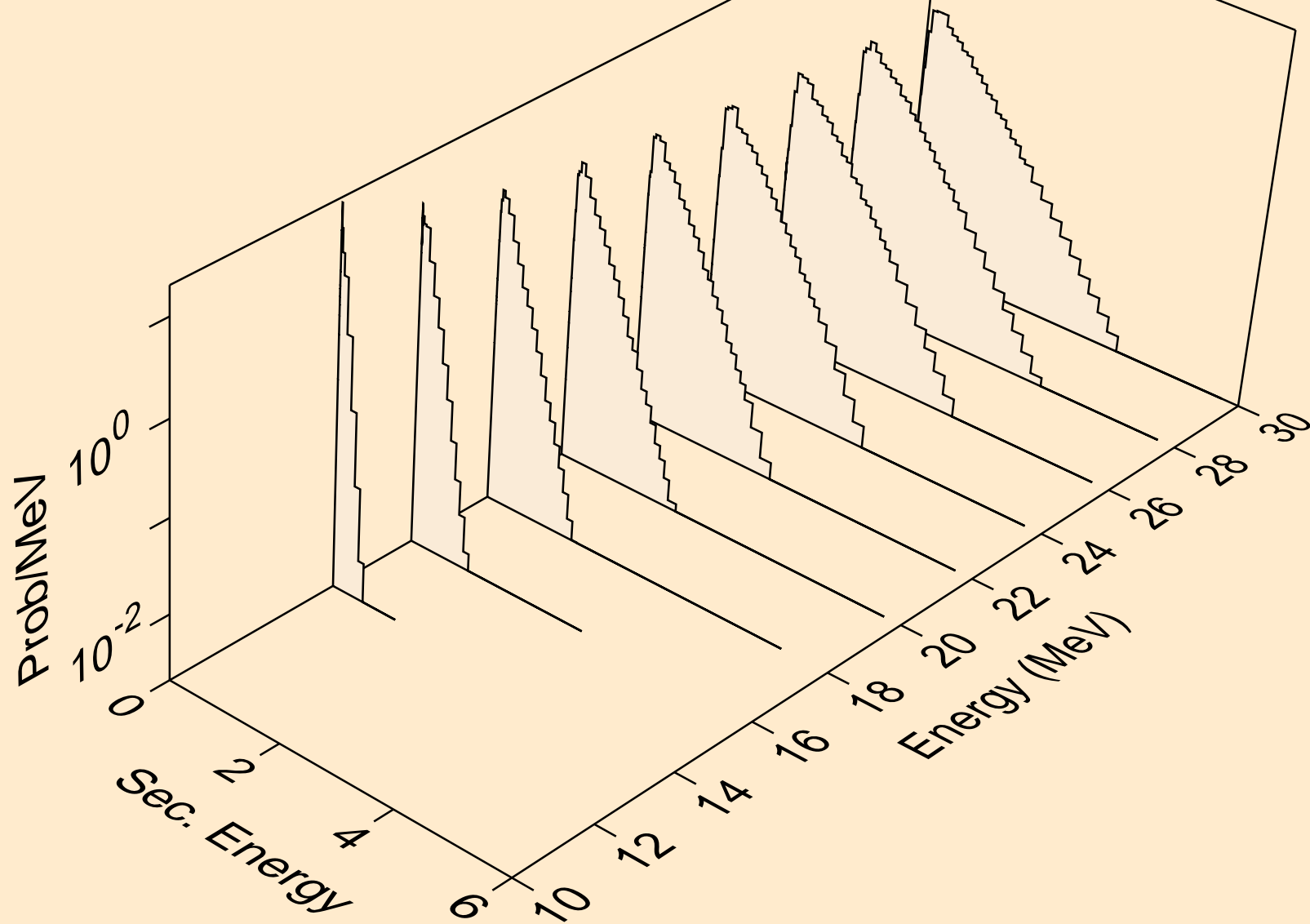
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)a



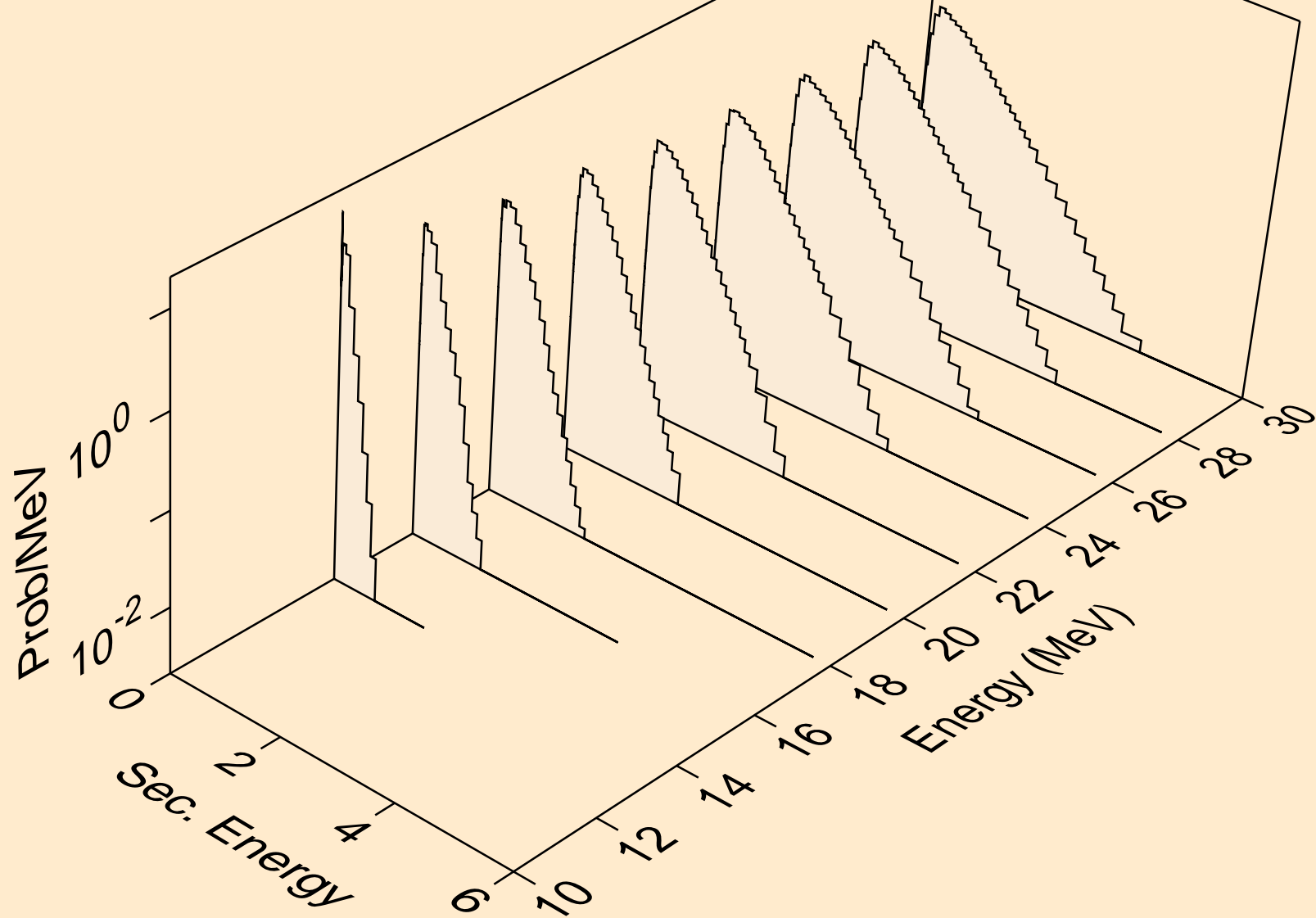
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



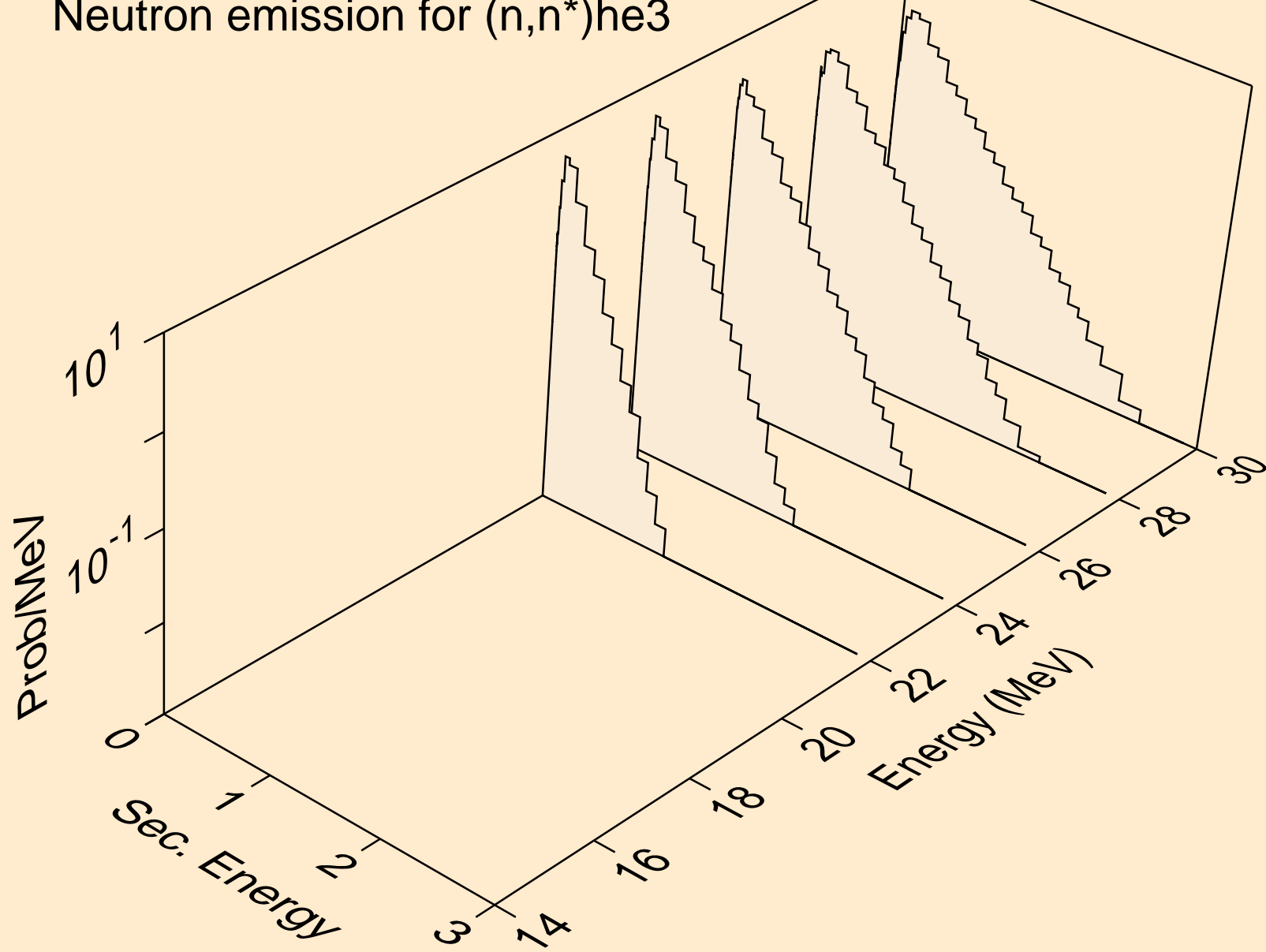
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d



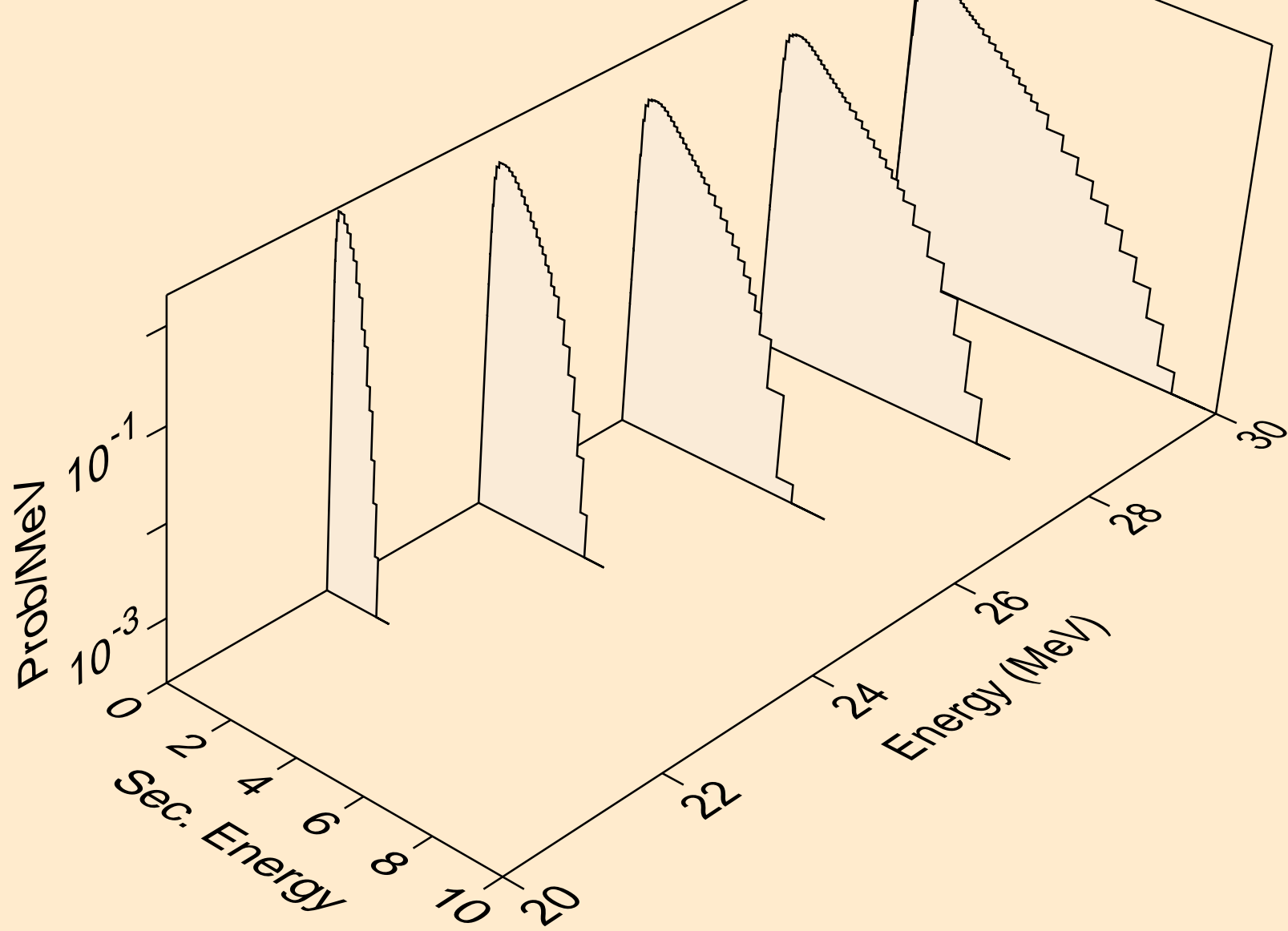
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



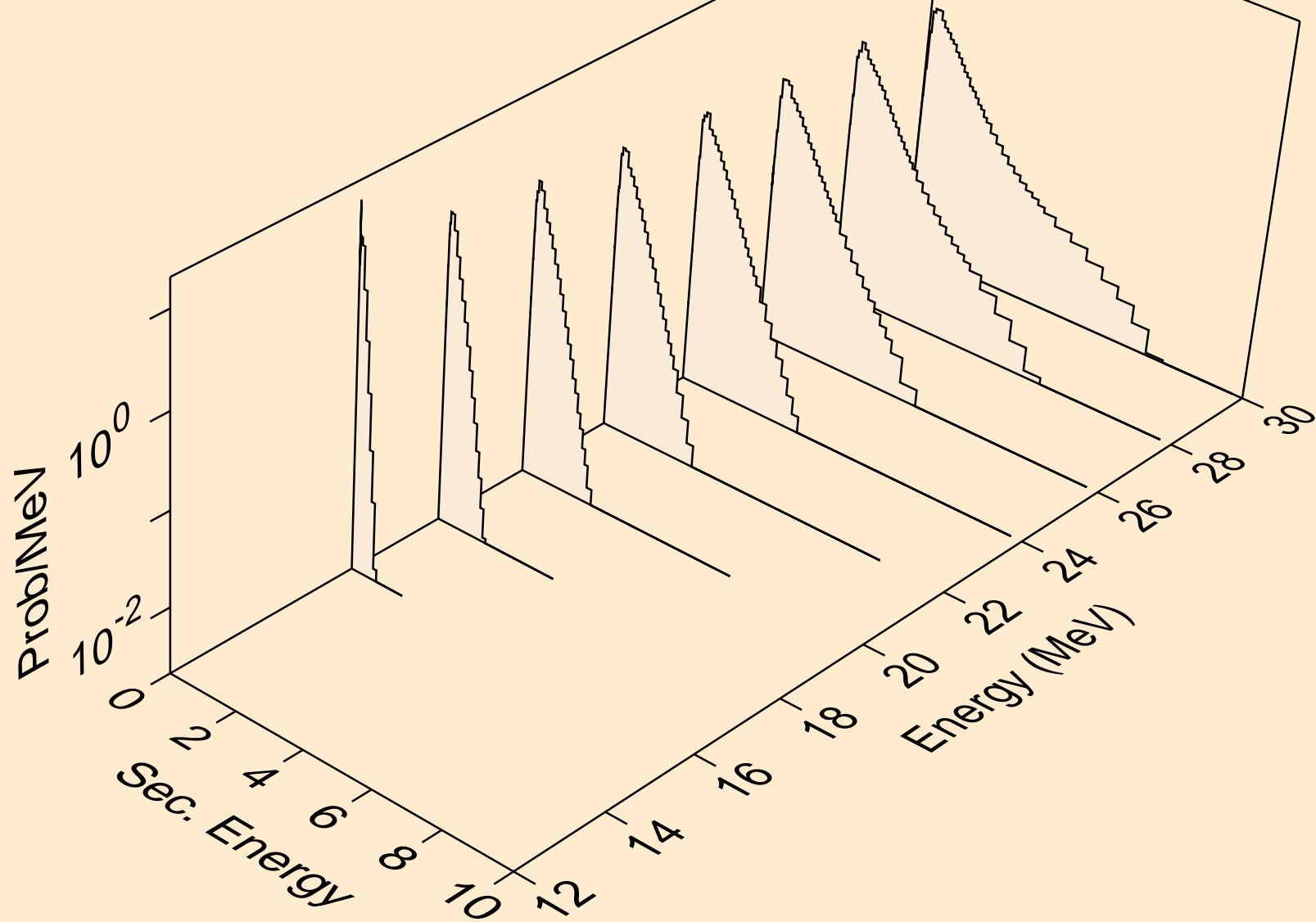
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



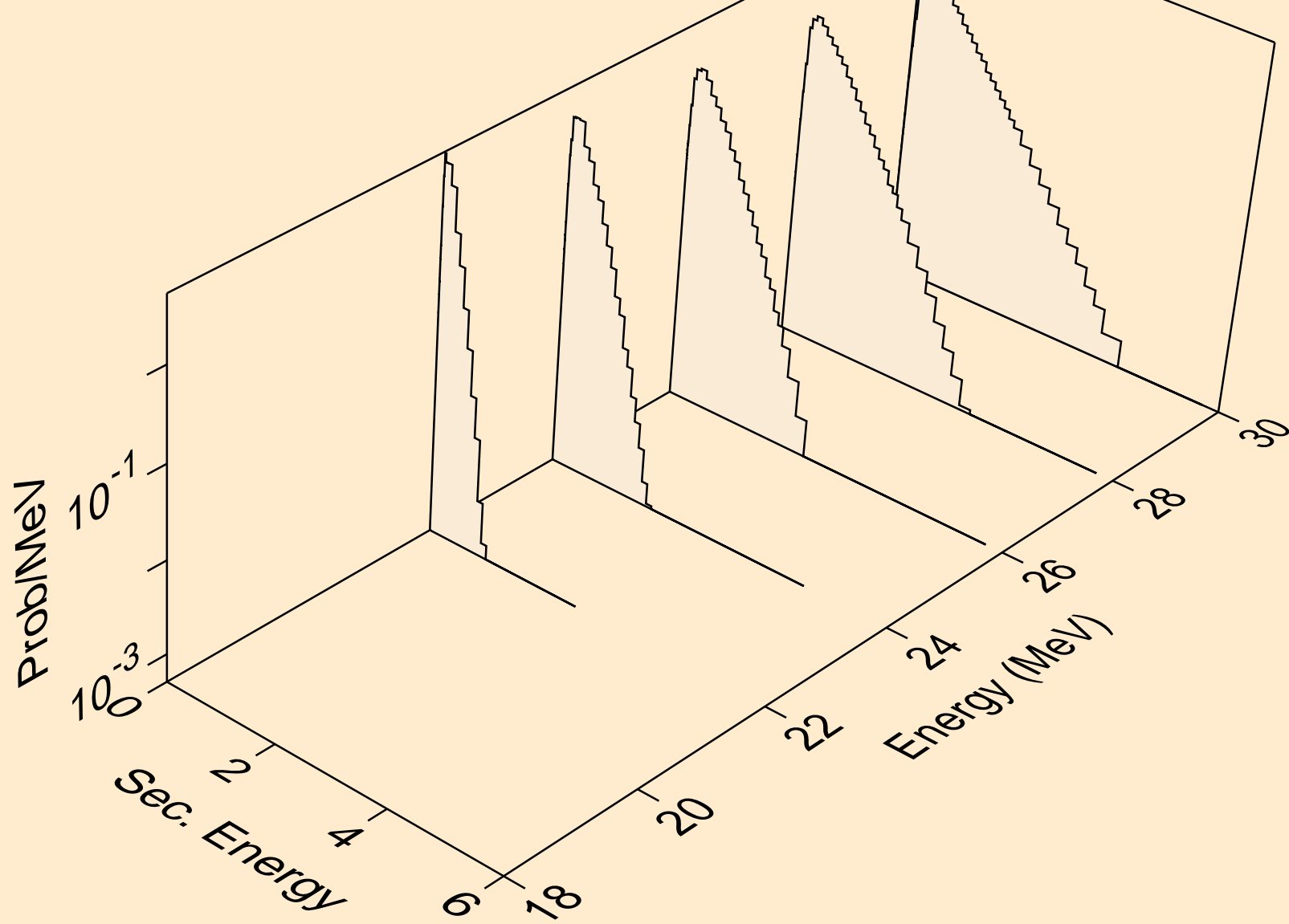
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,4n)



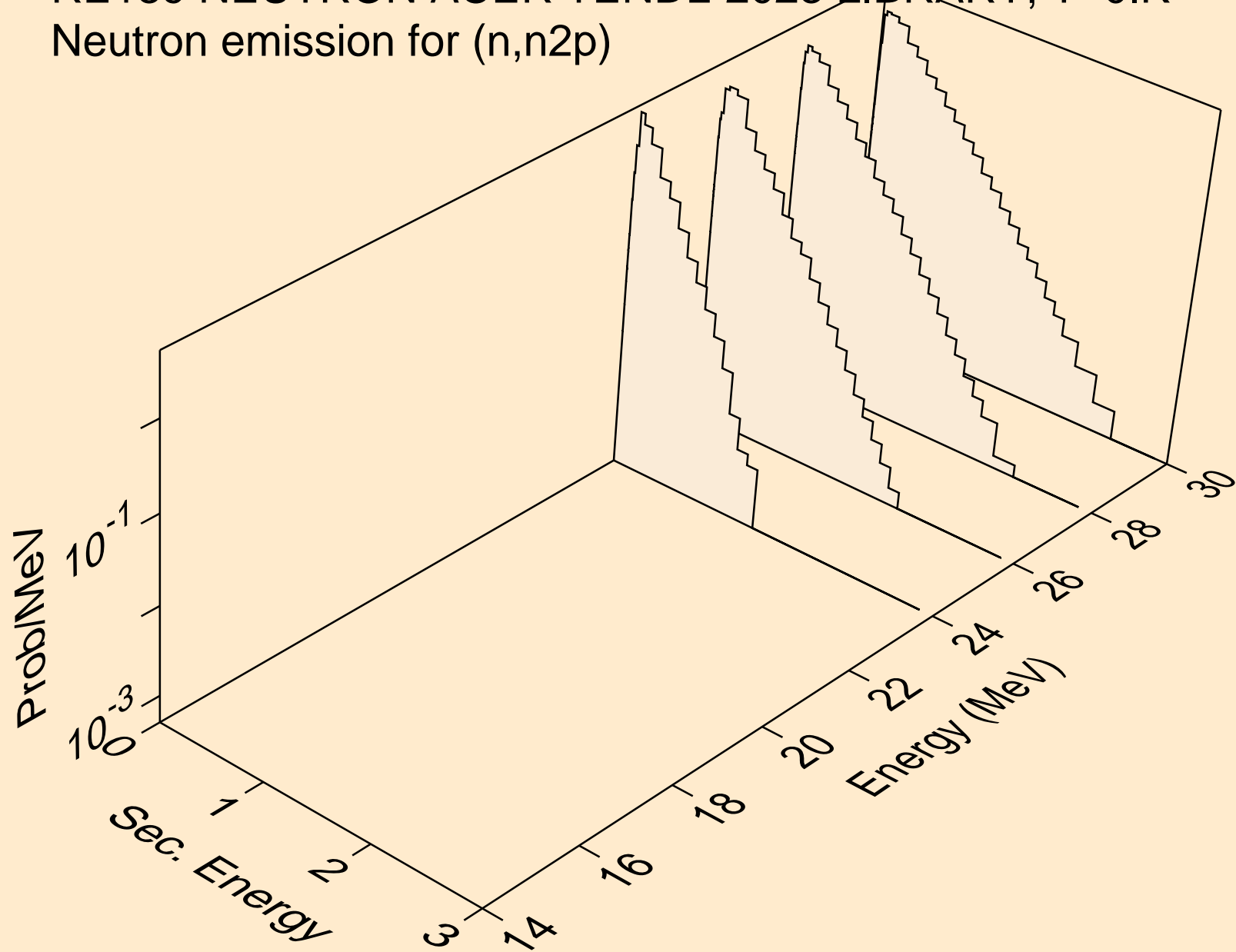
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2np)



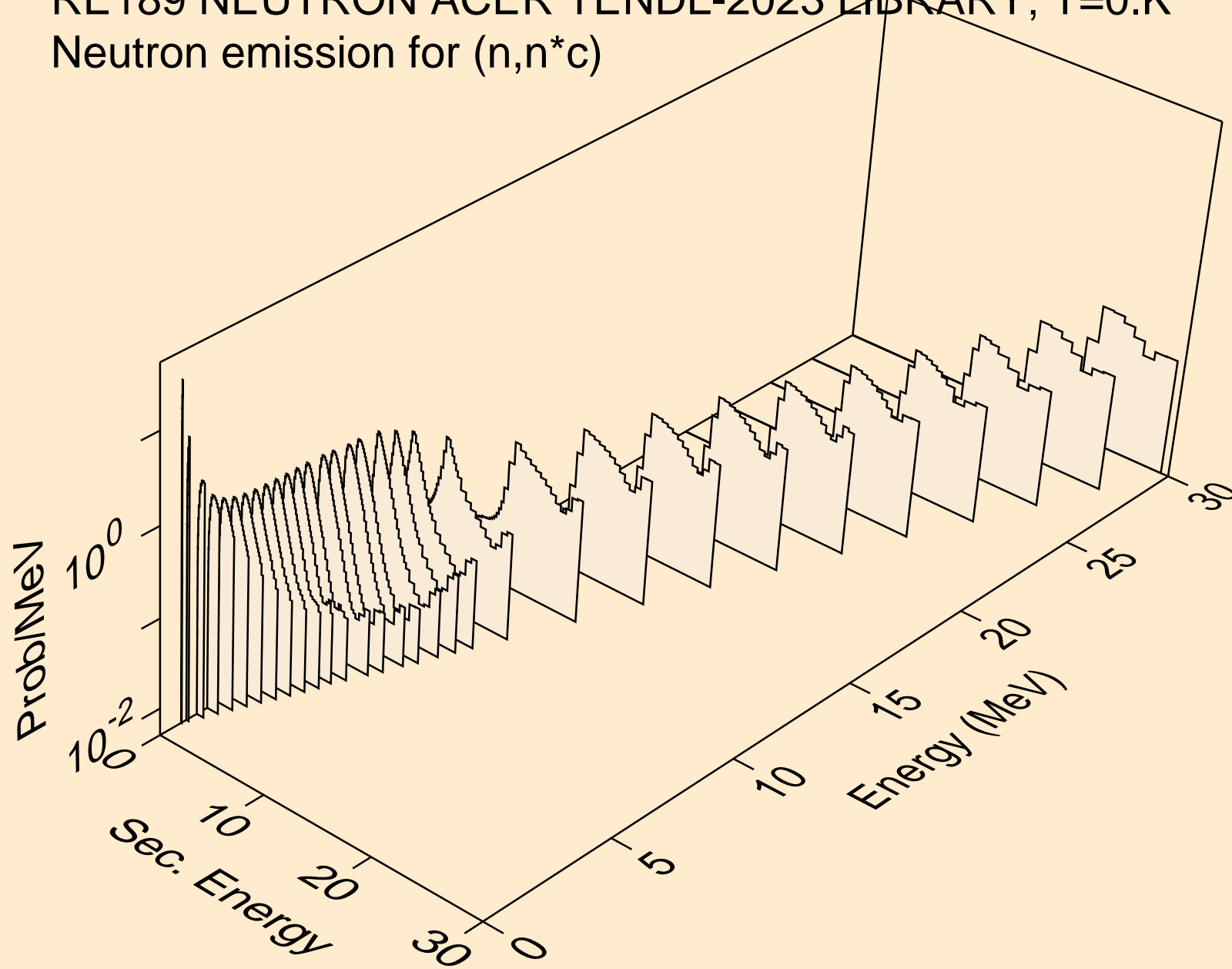
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3np)



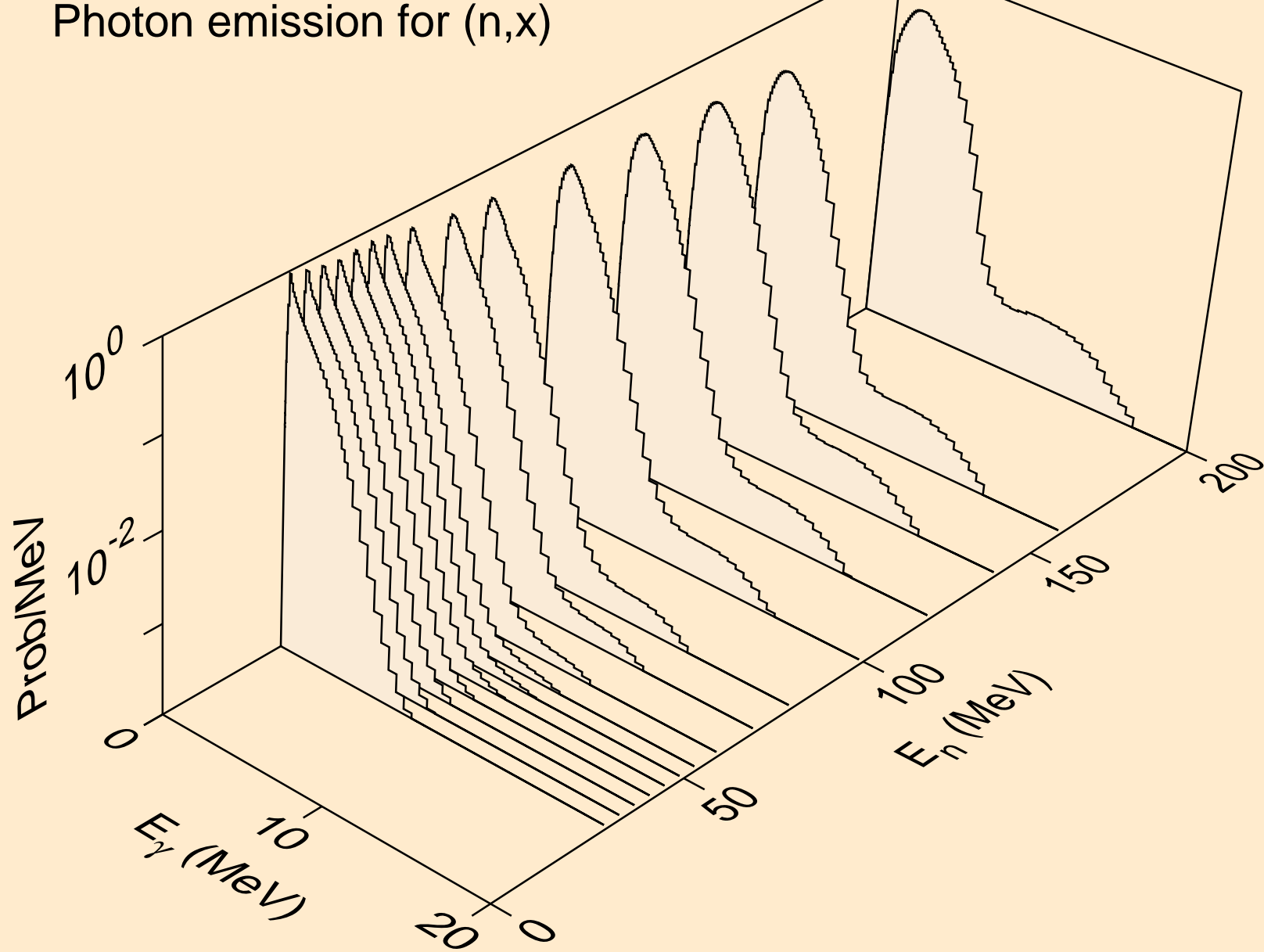
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n2p)



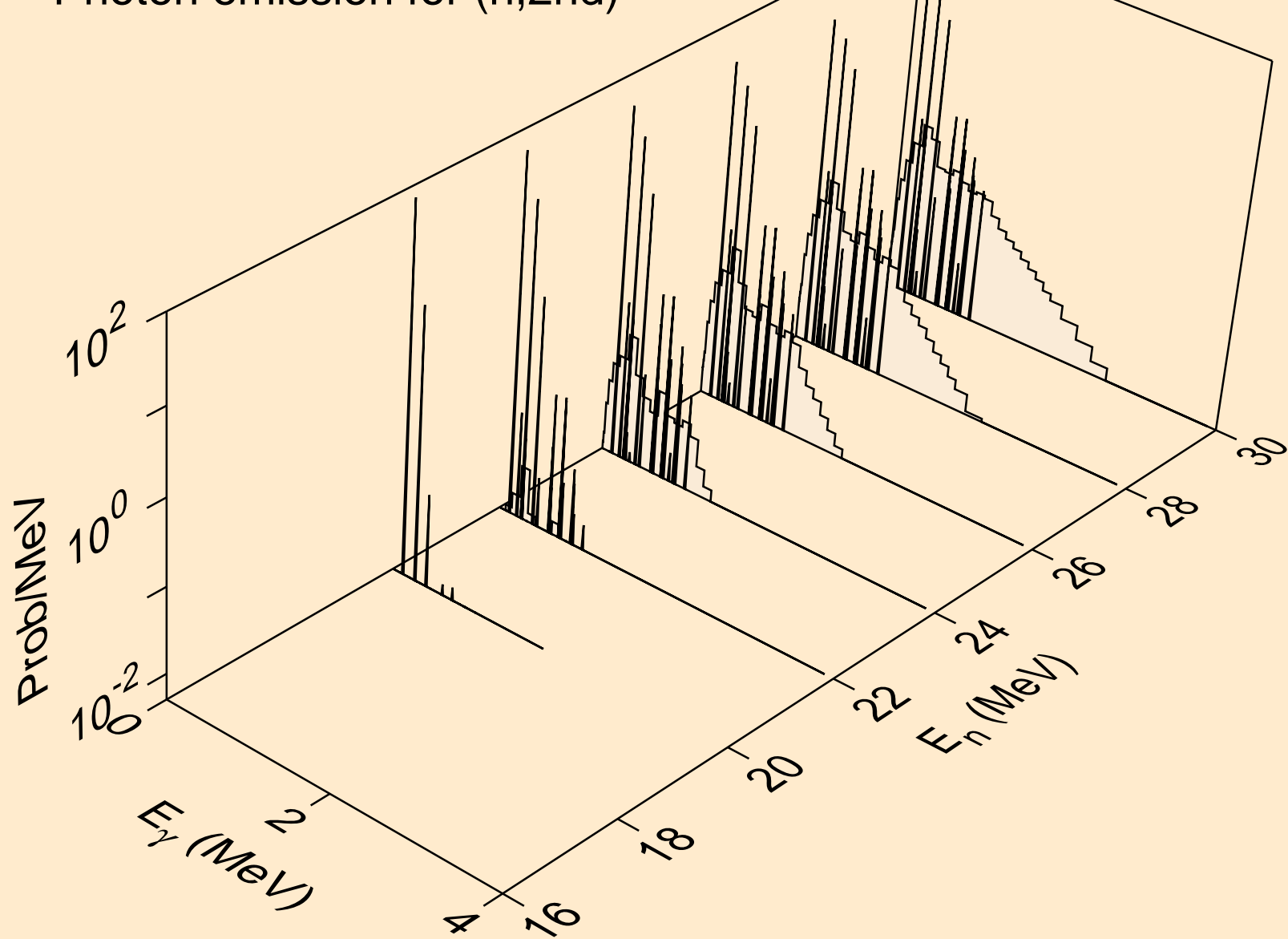
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)



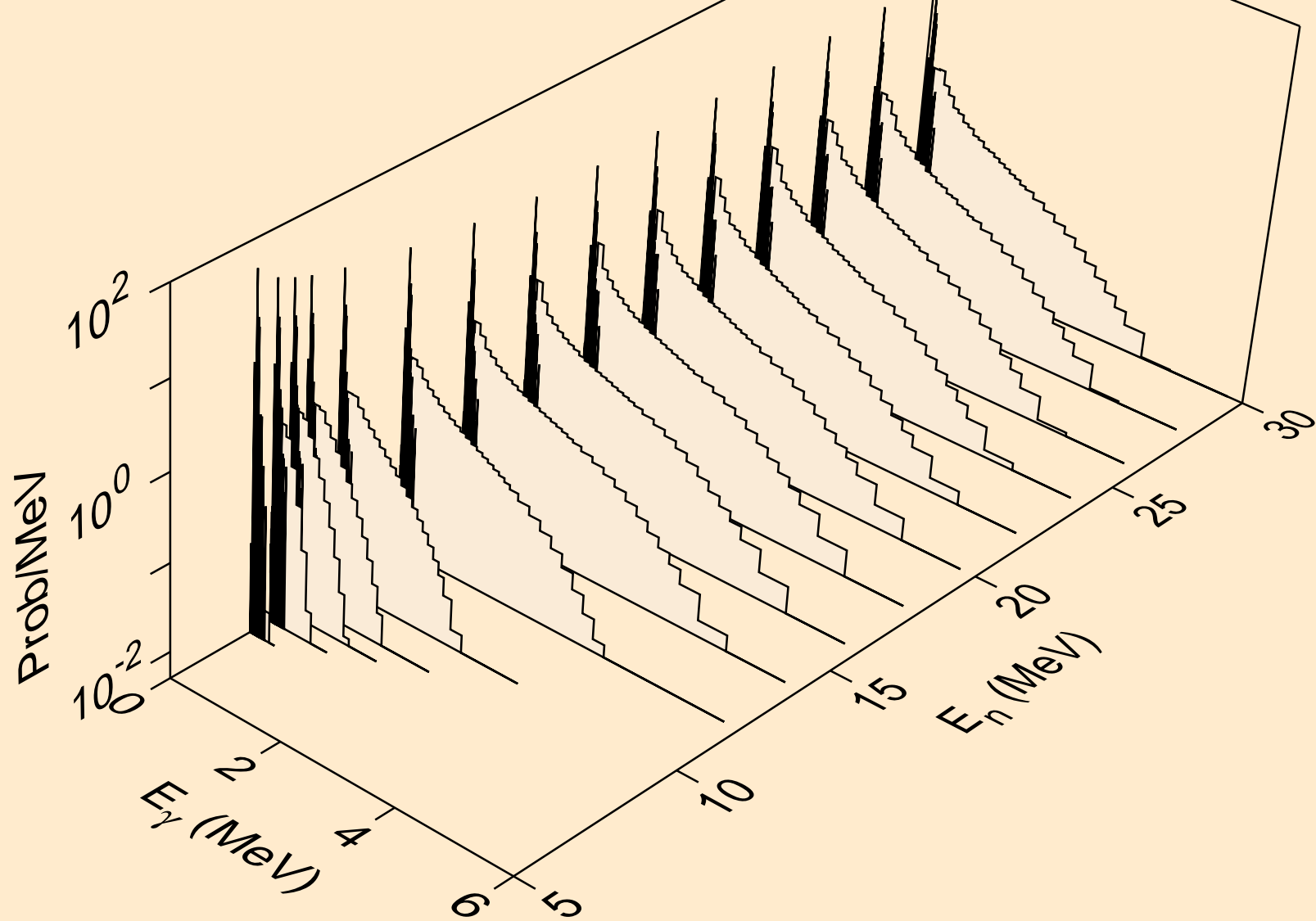
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,x)



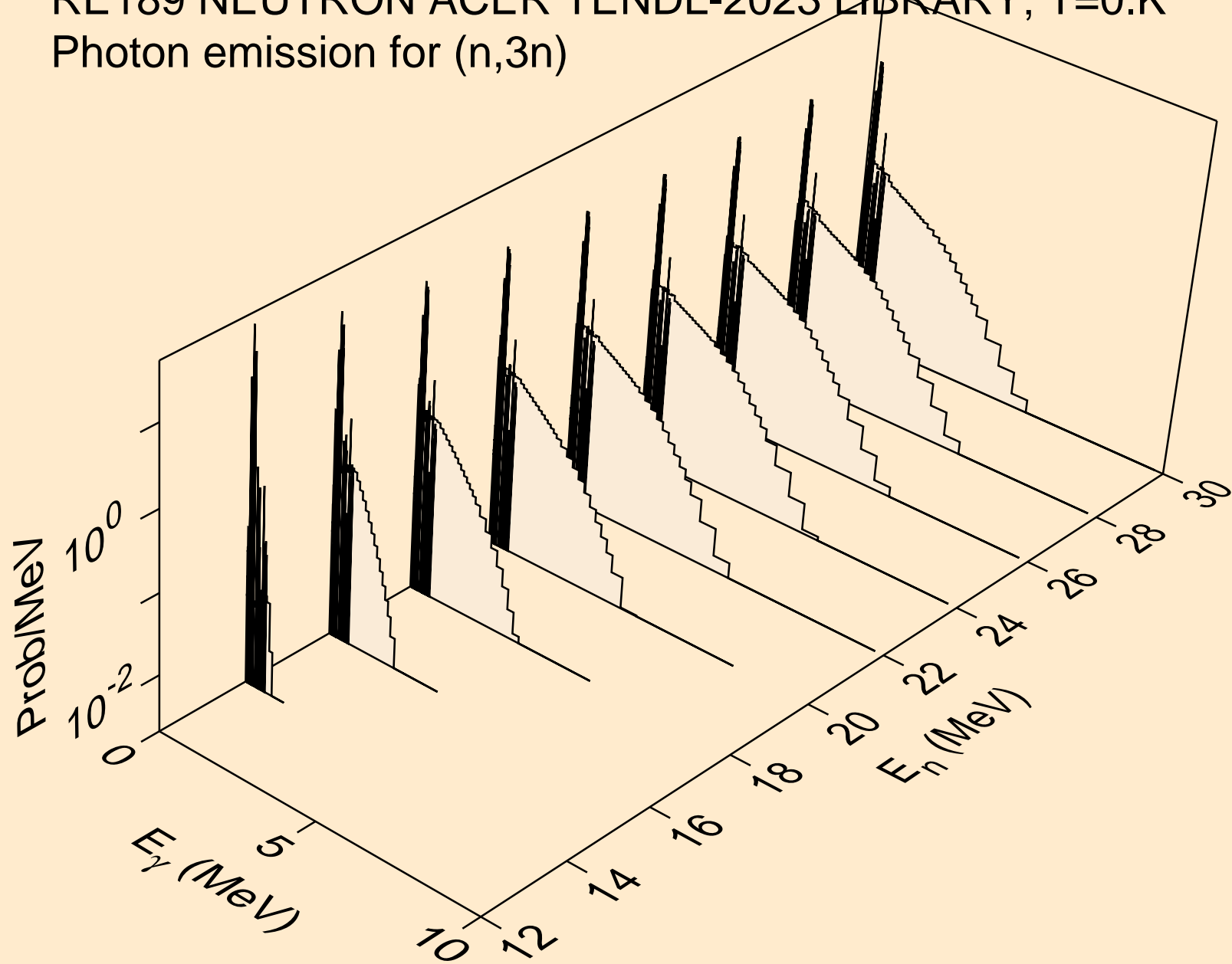
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



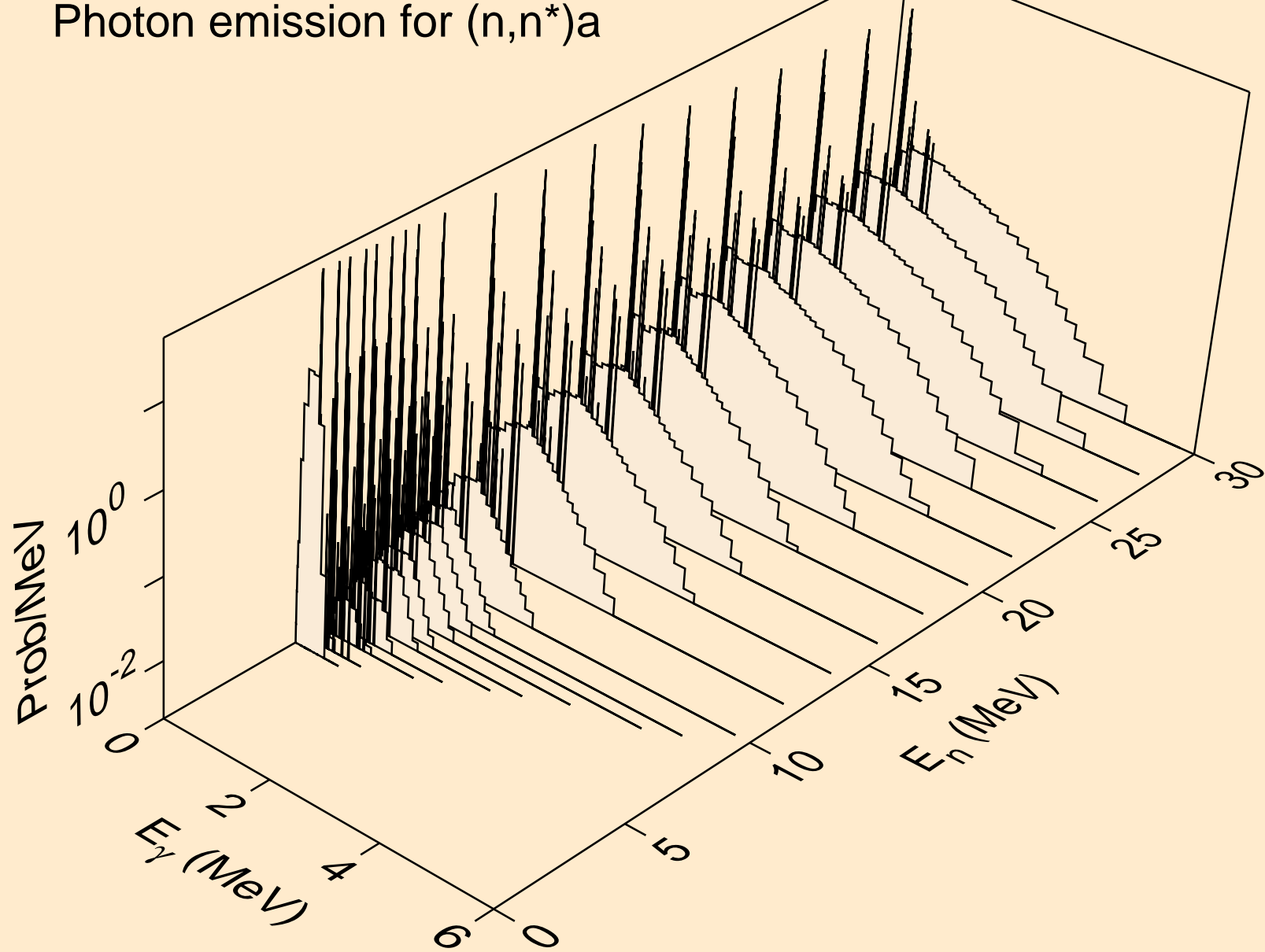
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



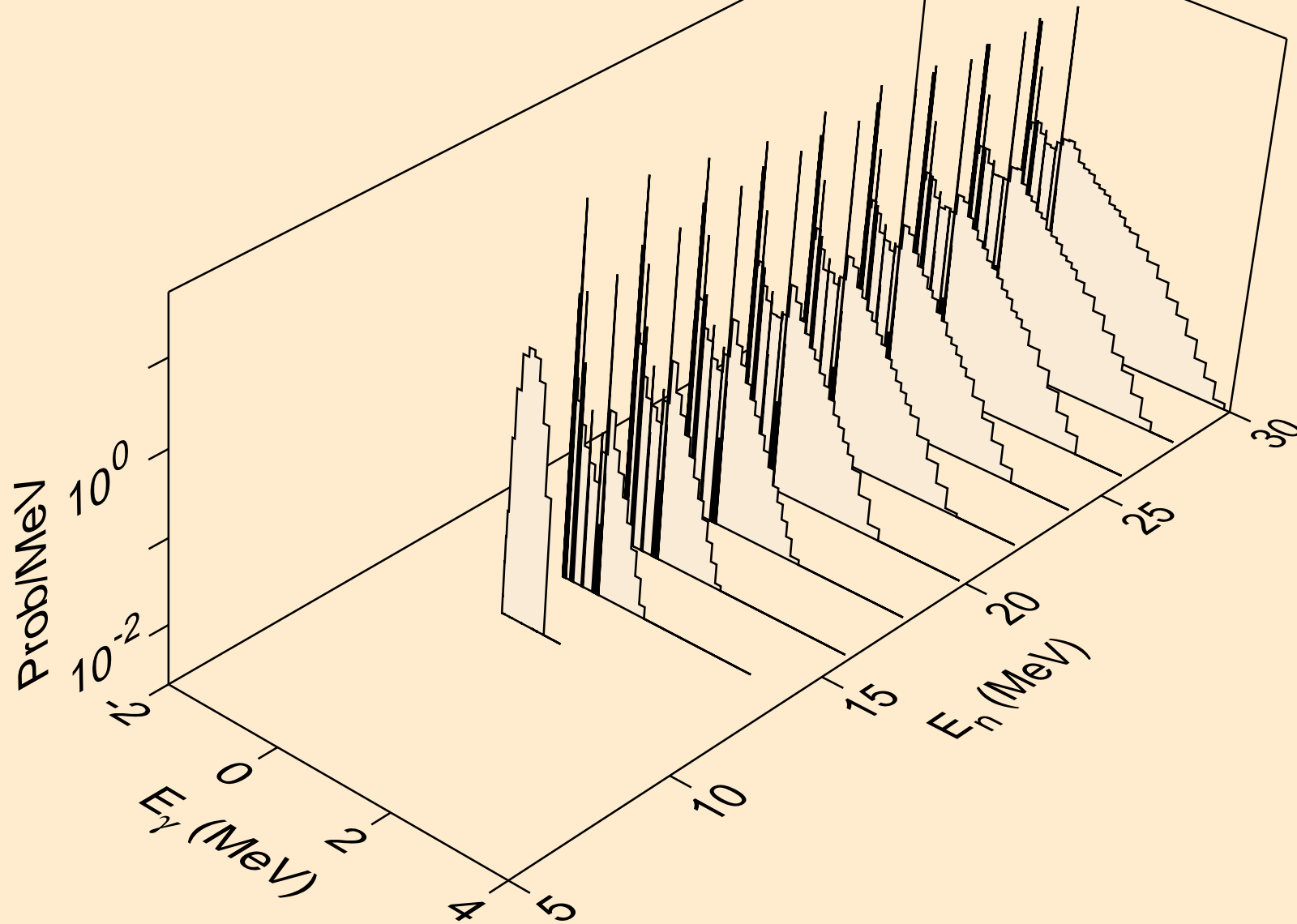
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



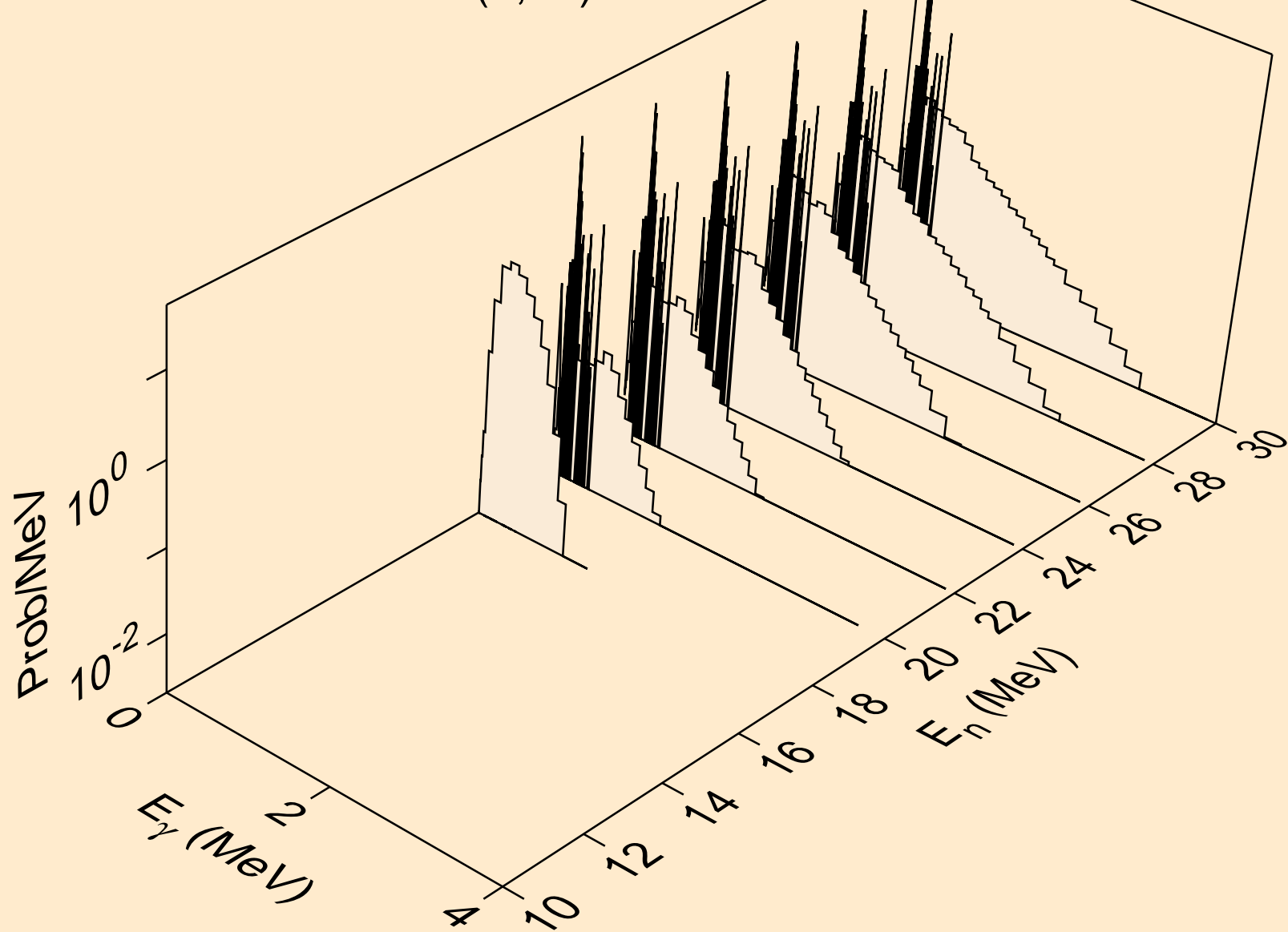
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



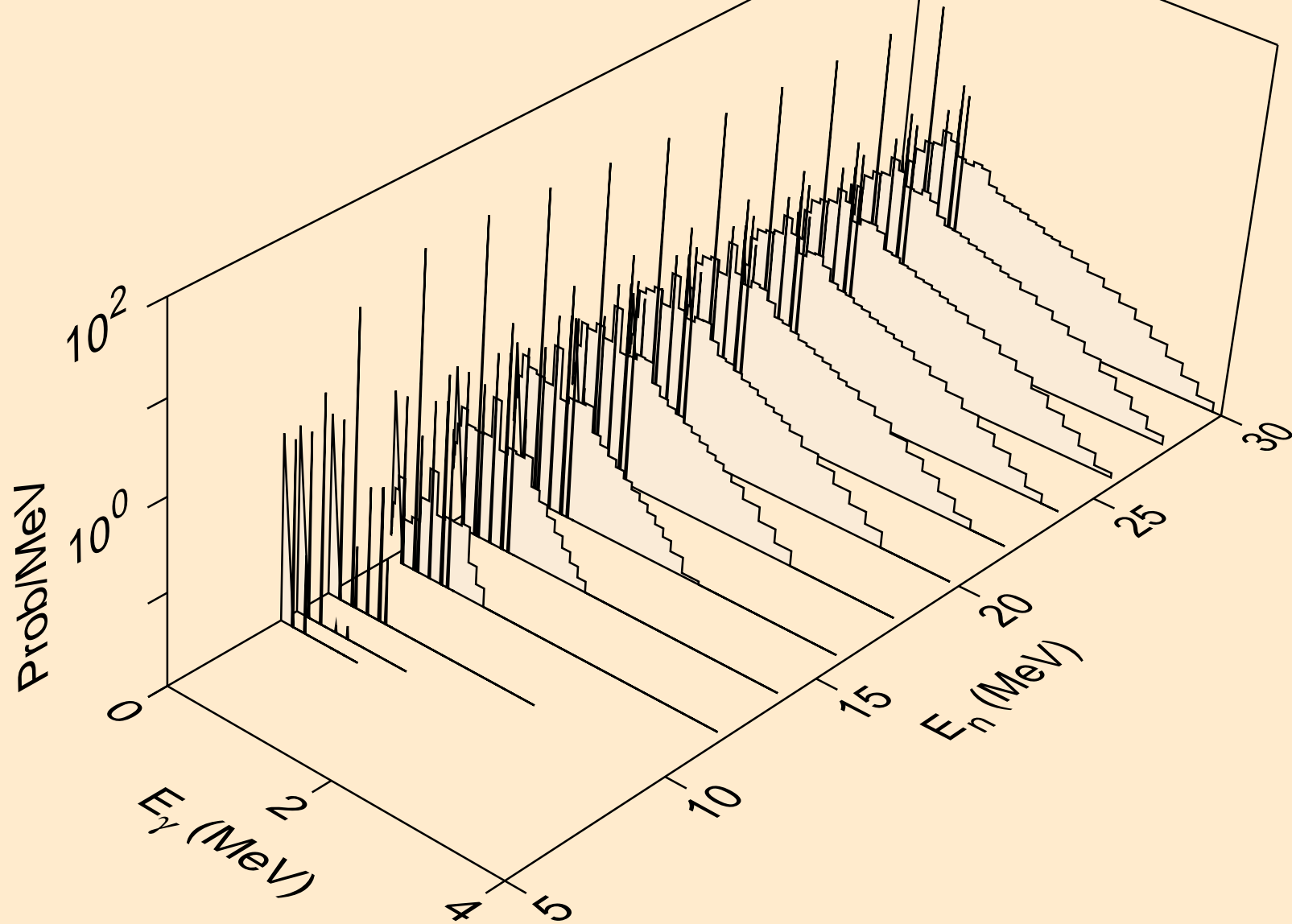
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a



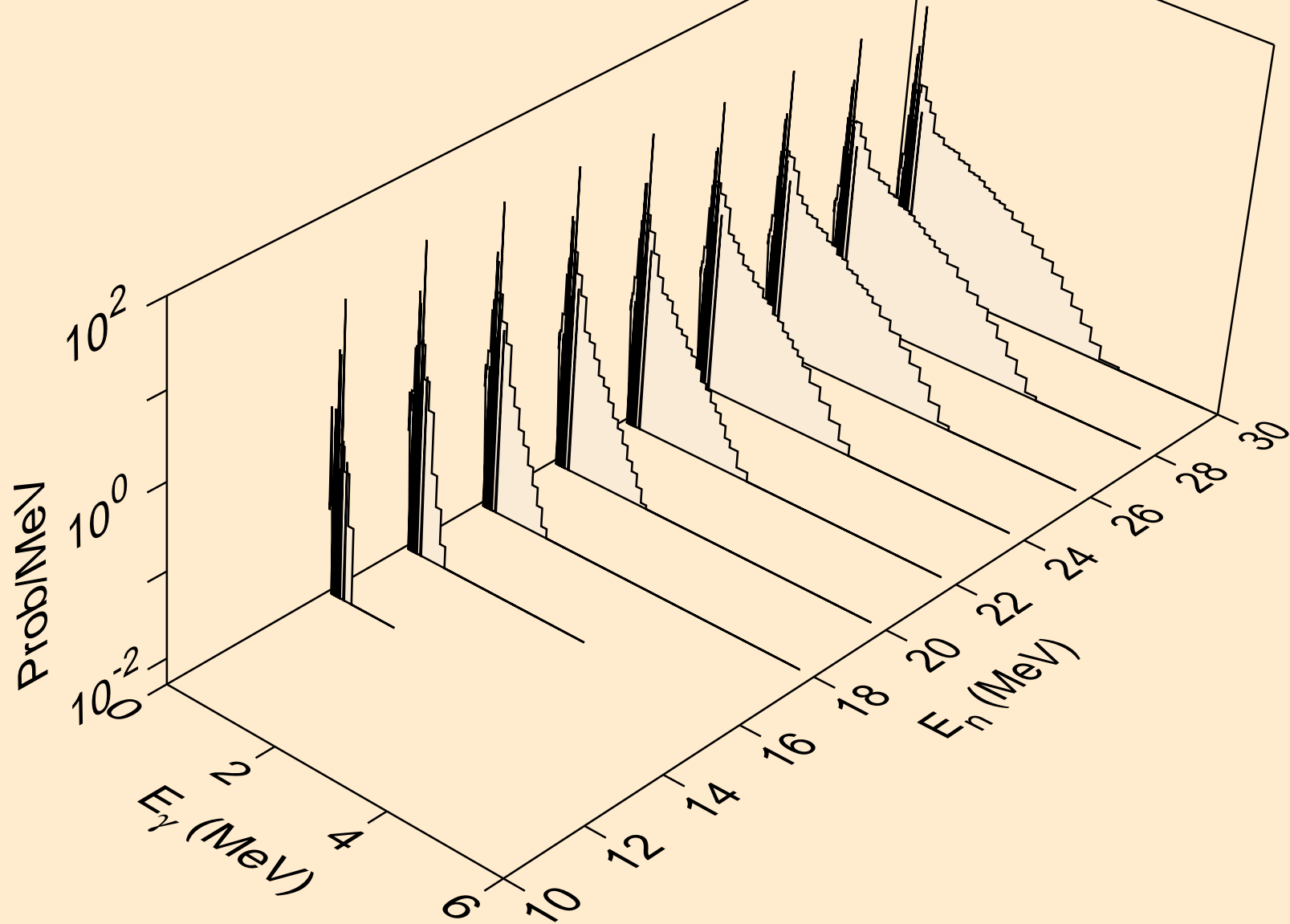
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)a



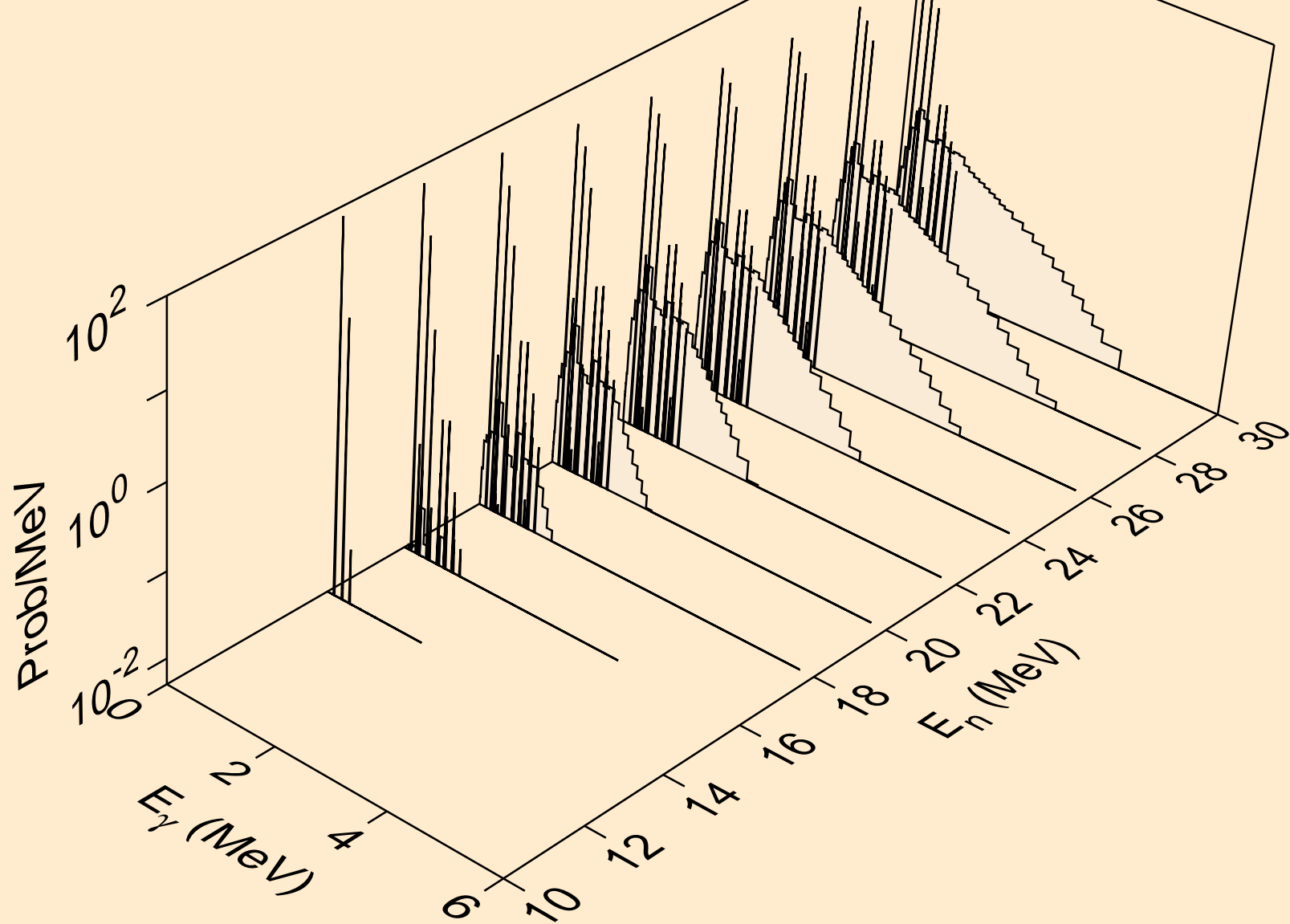
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



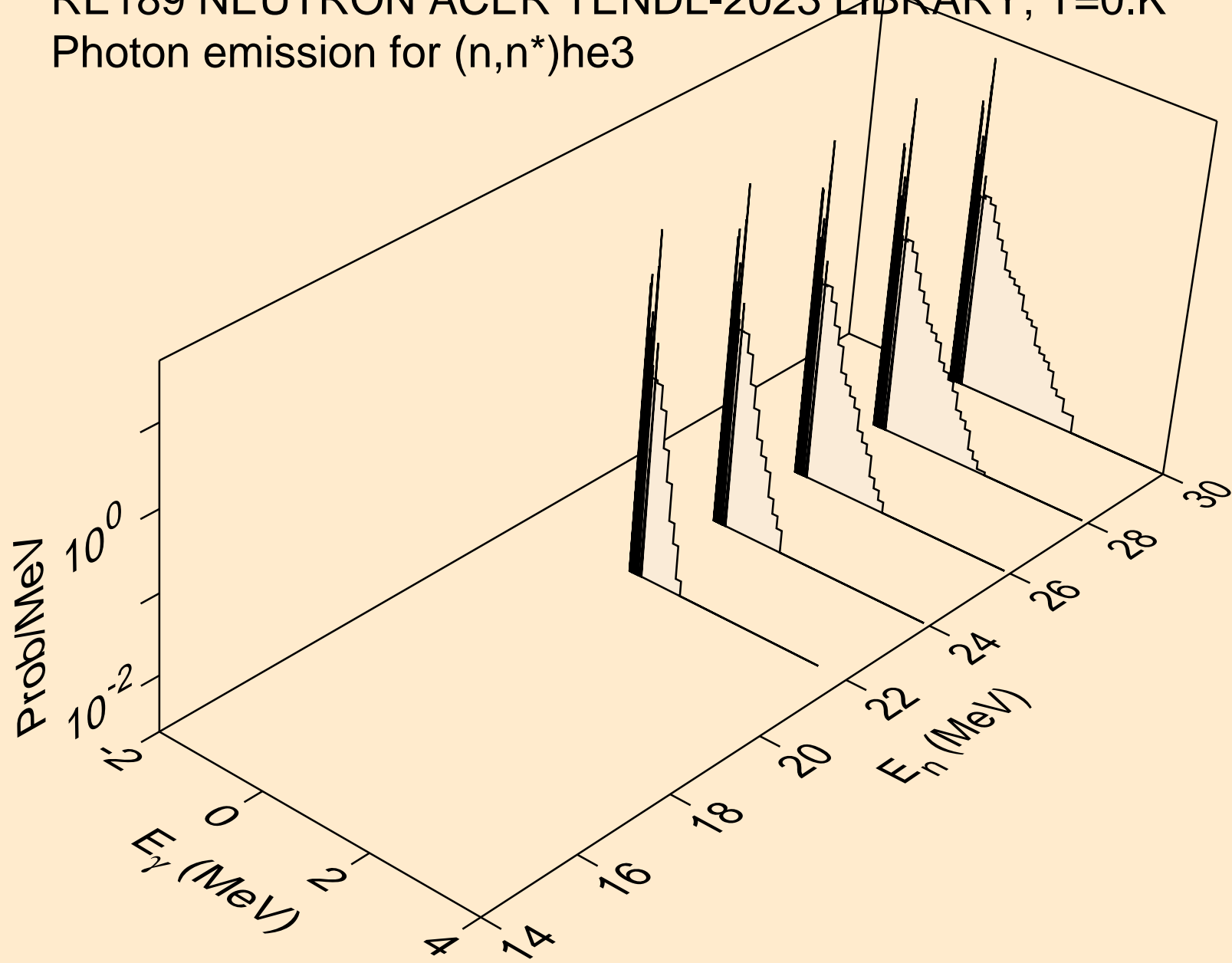
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



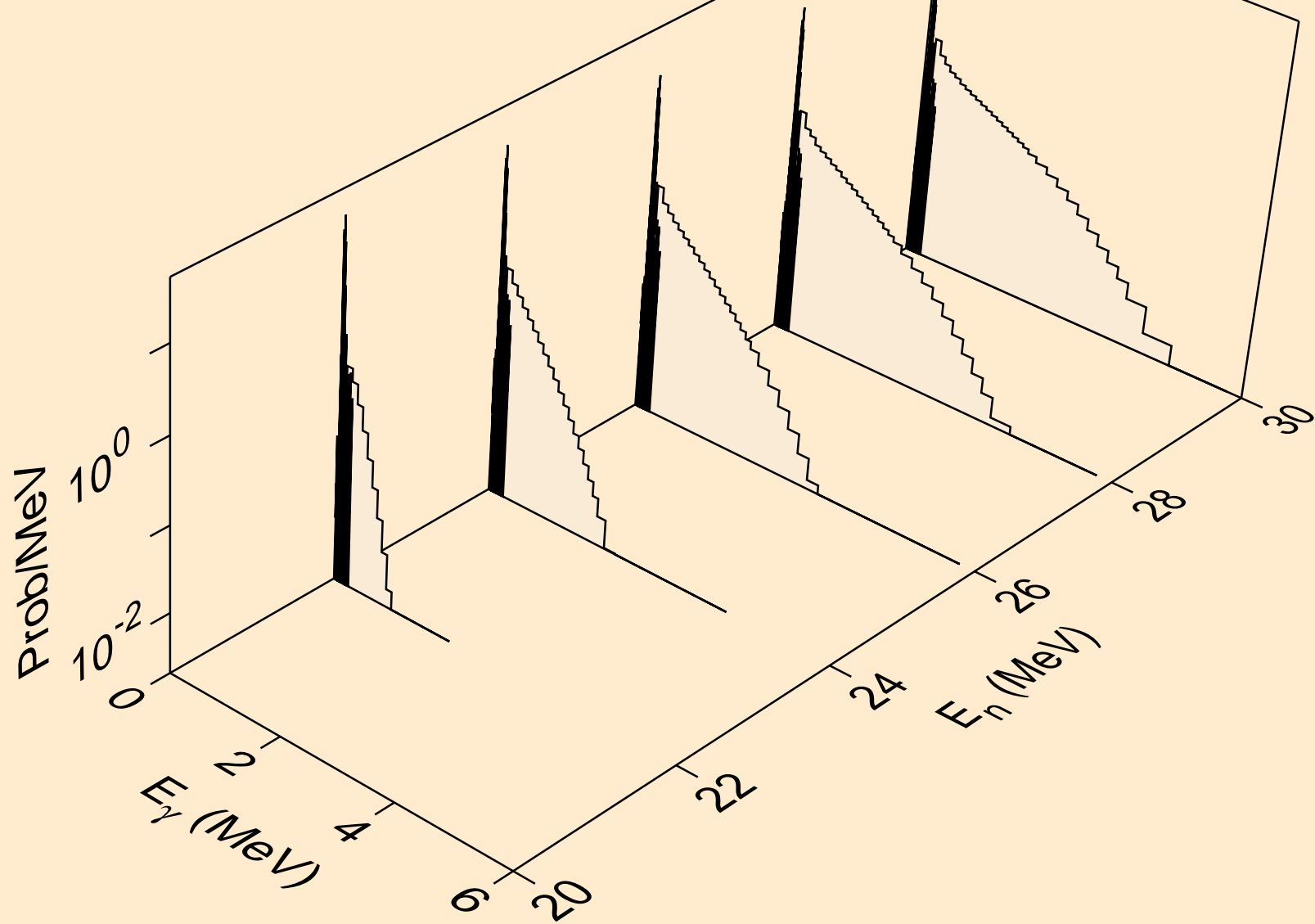
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



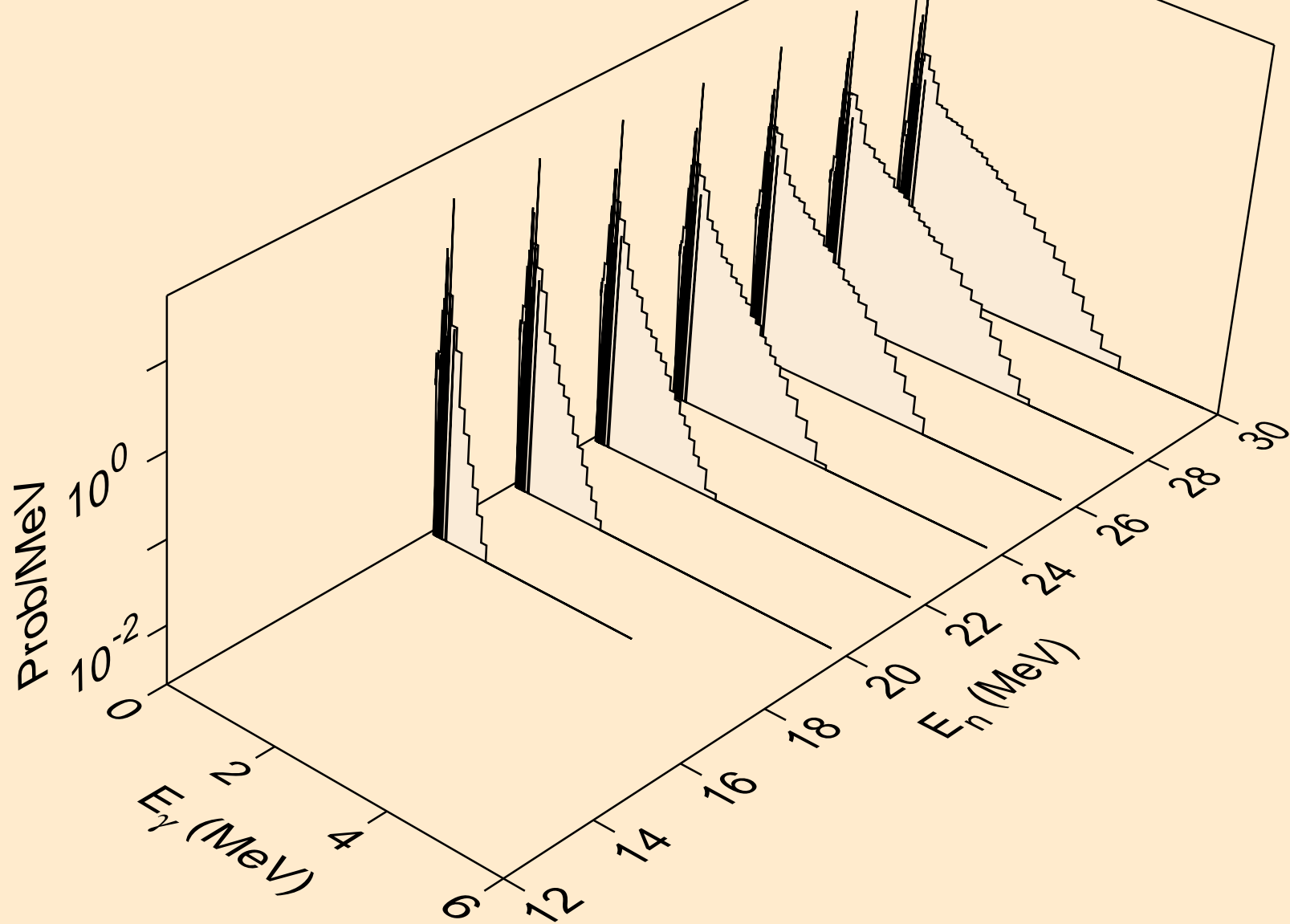
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



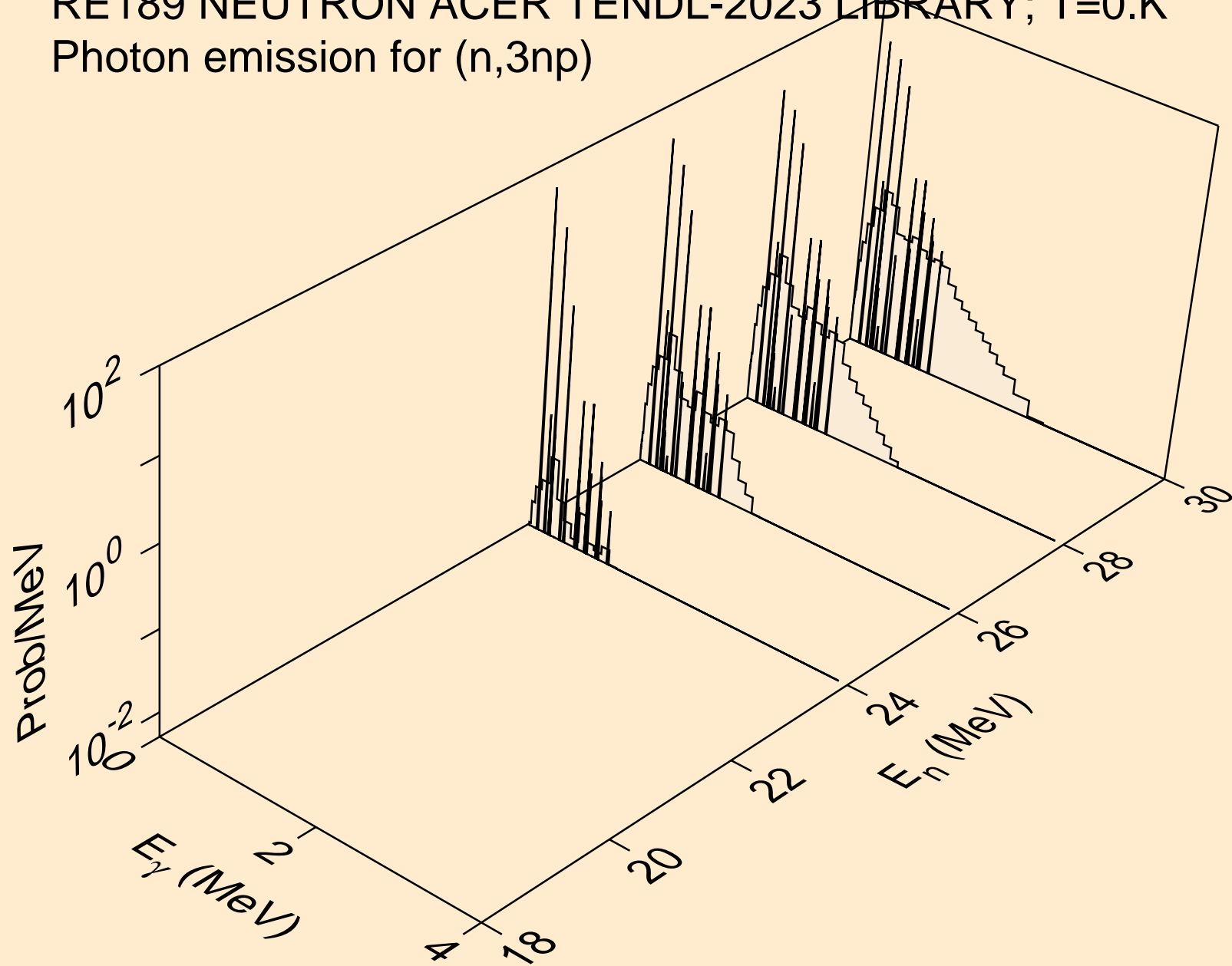
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,4n)



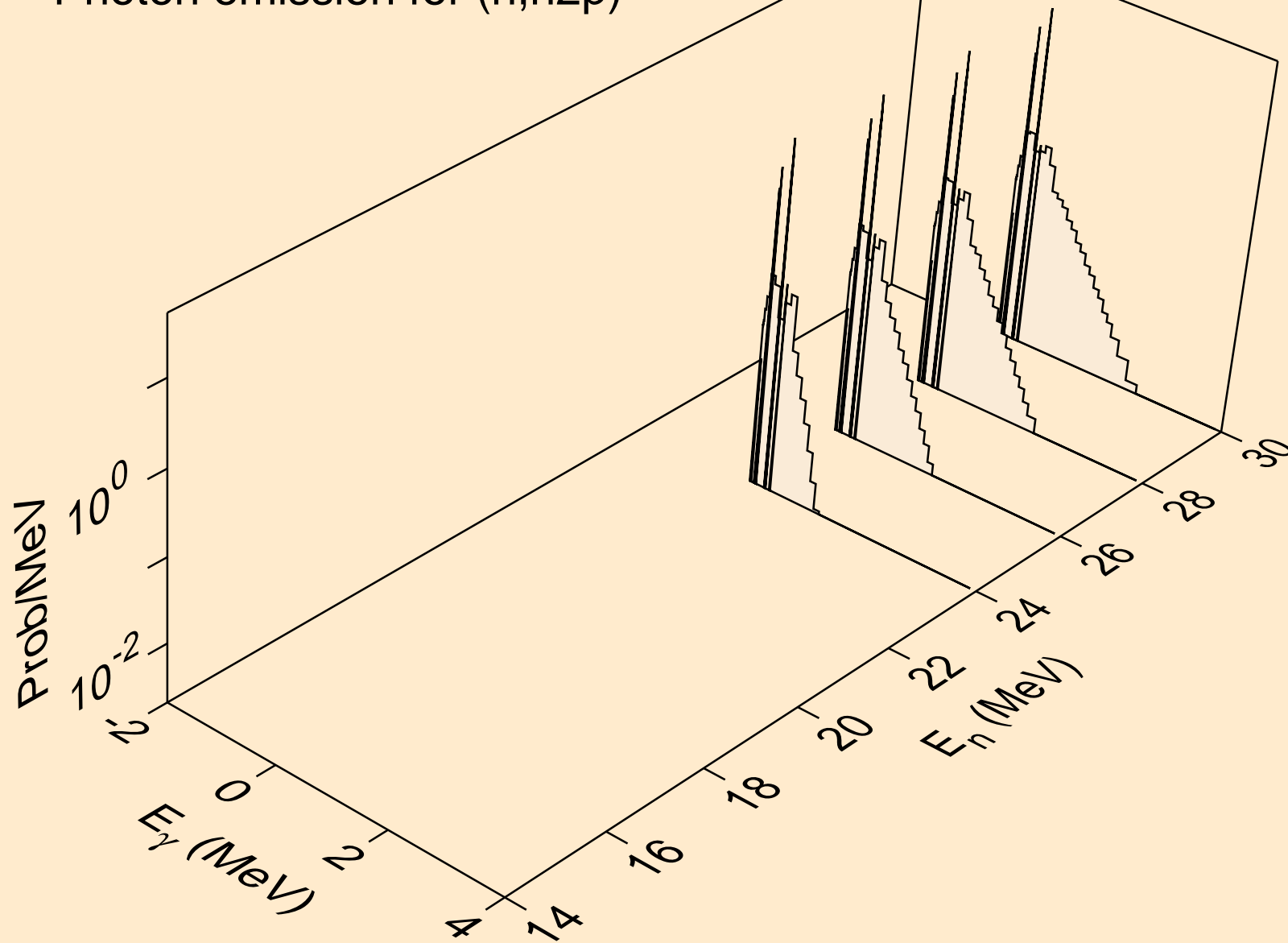
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)



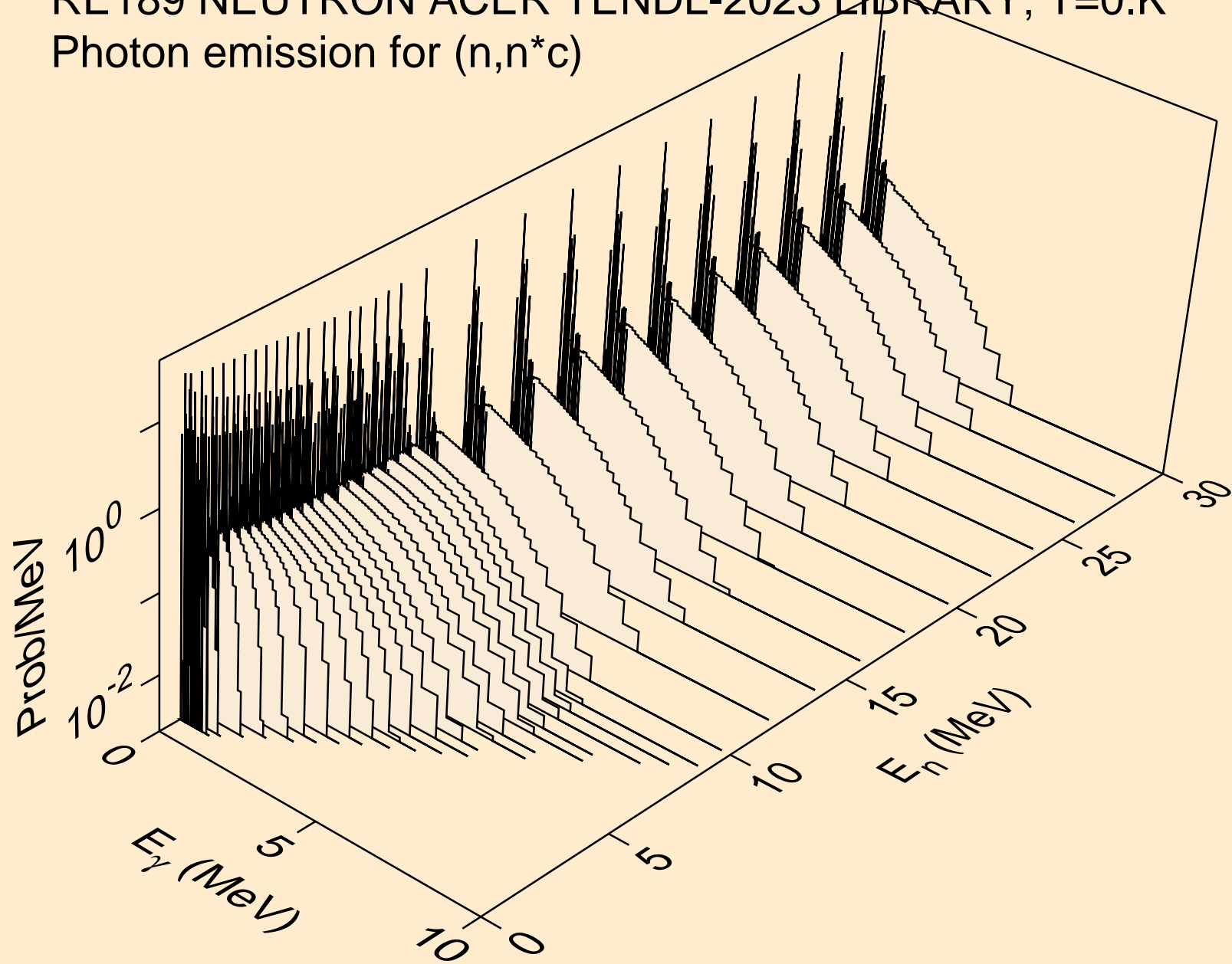
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3np)



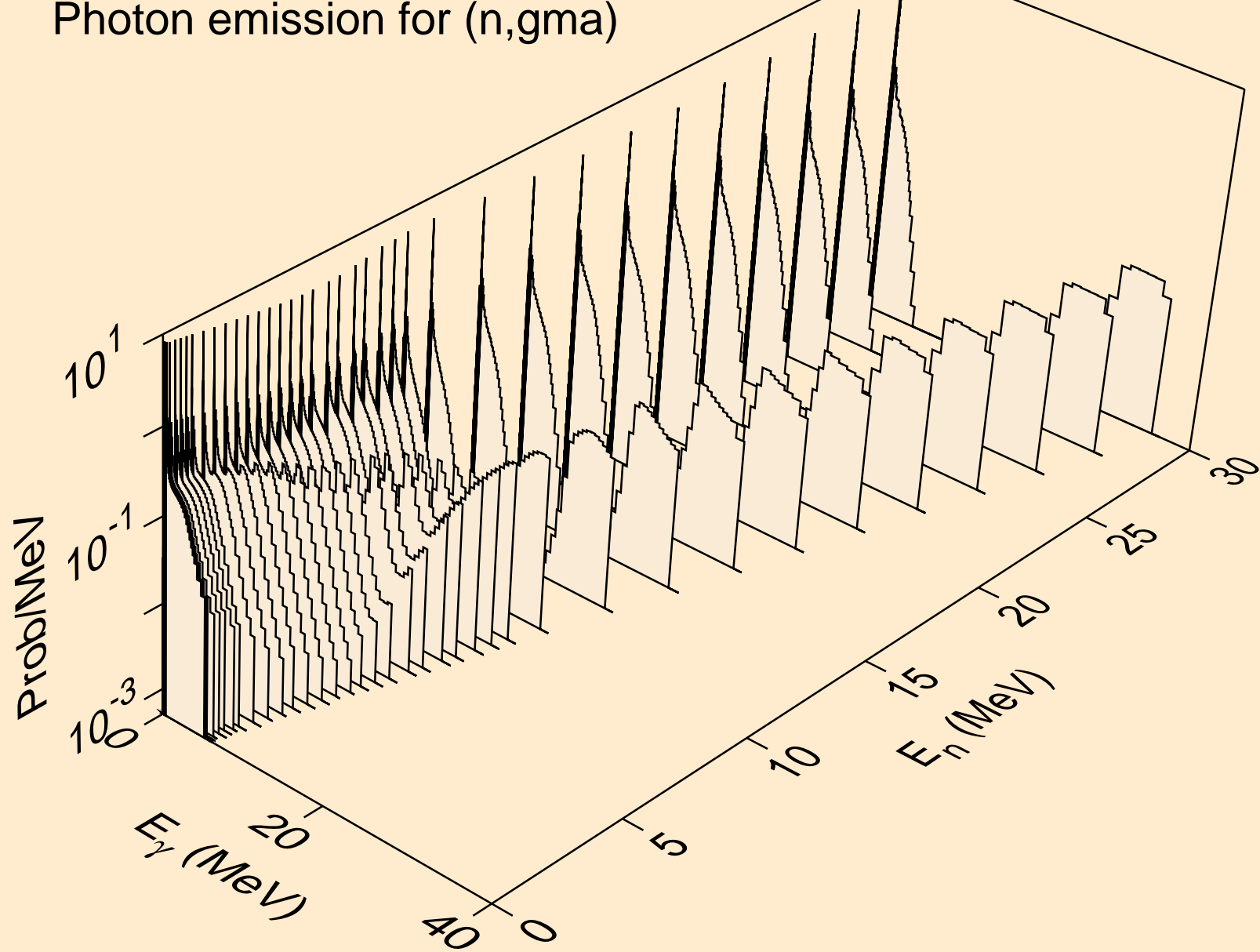
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)



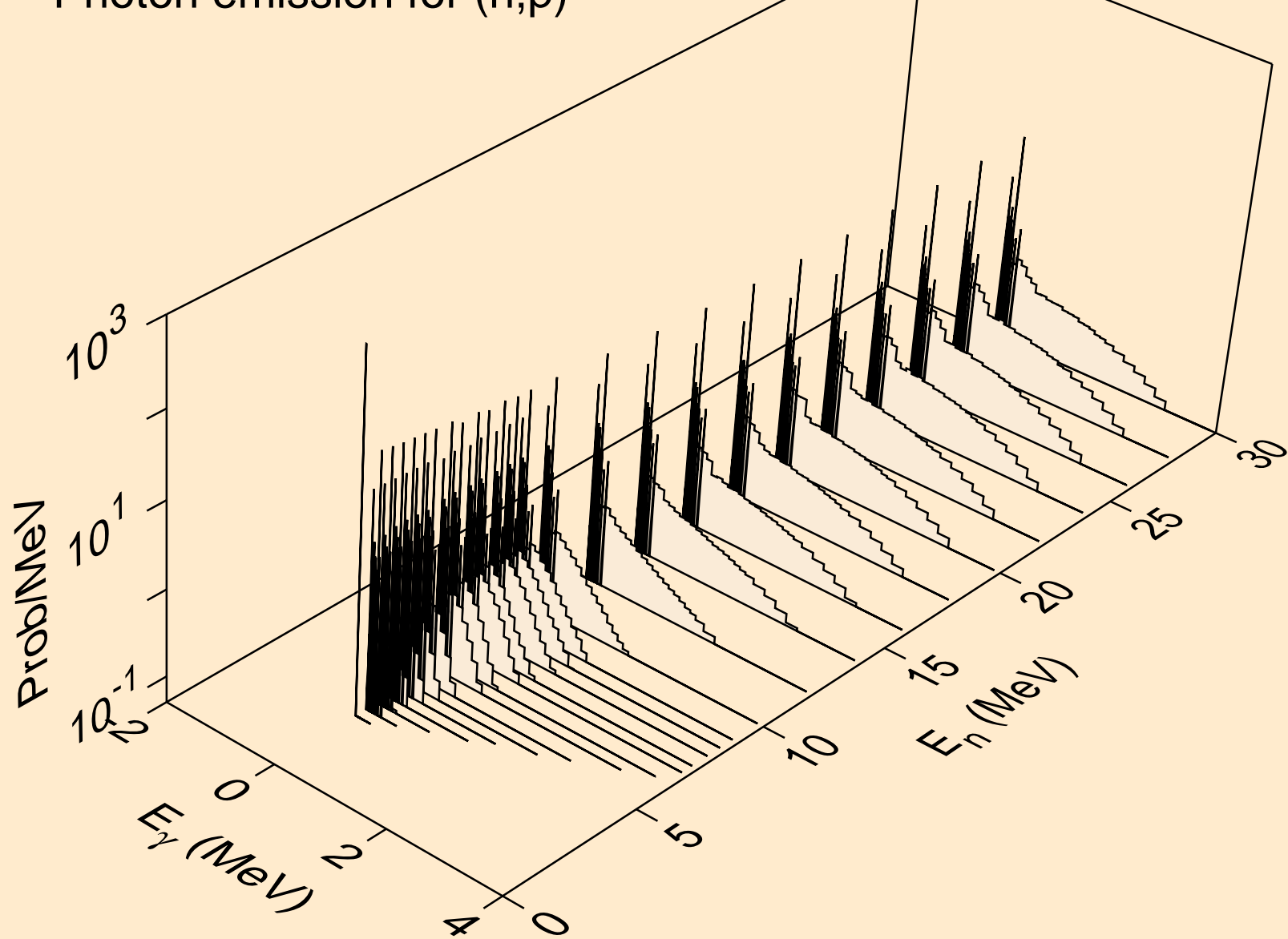
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*c)



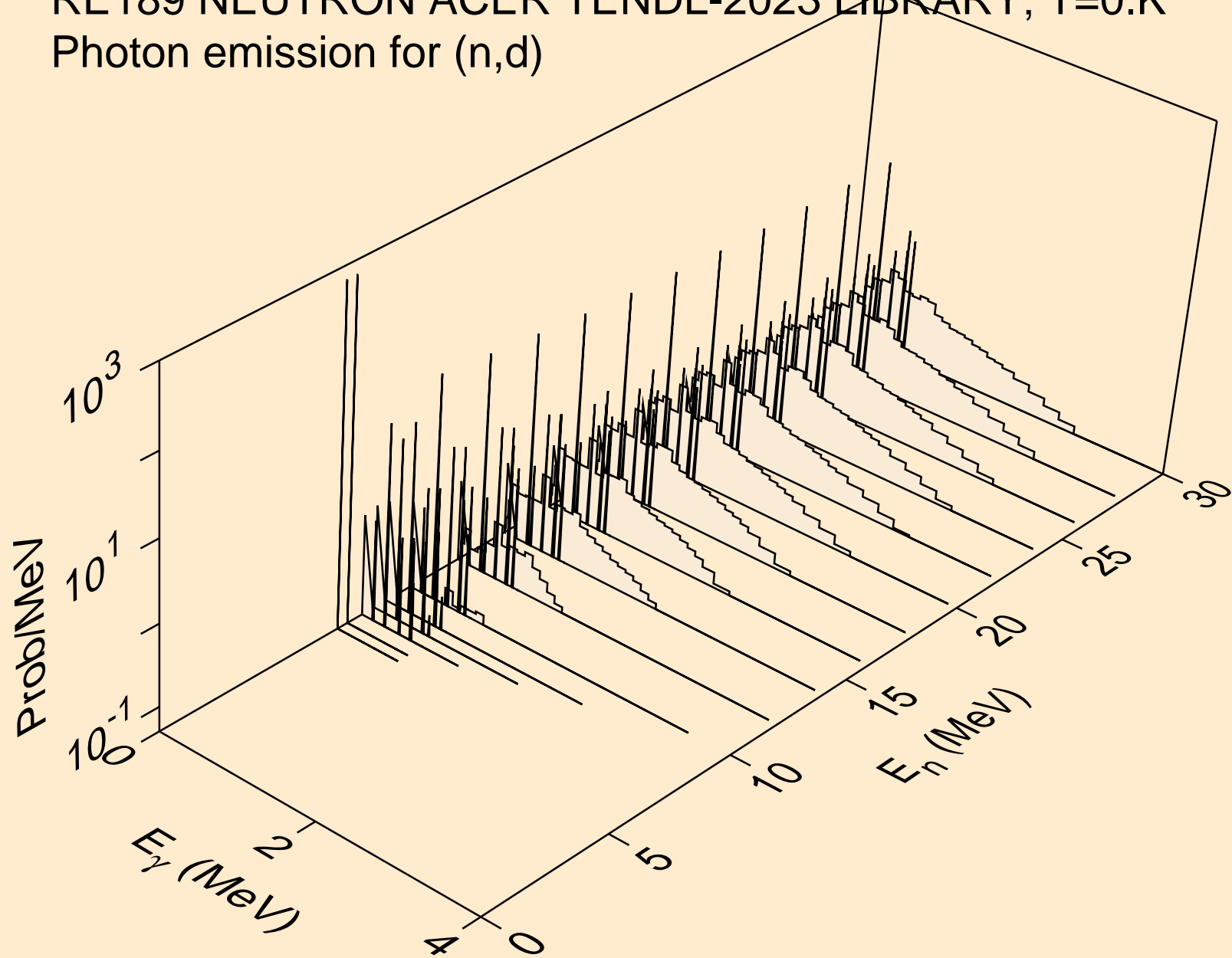
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)



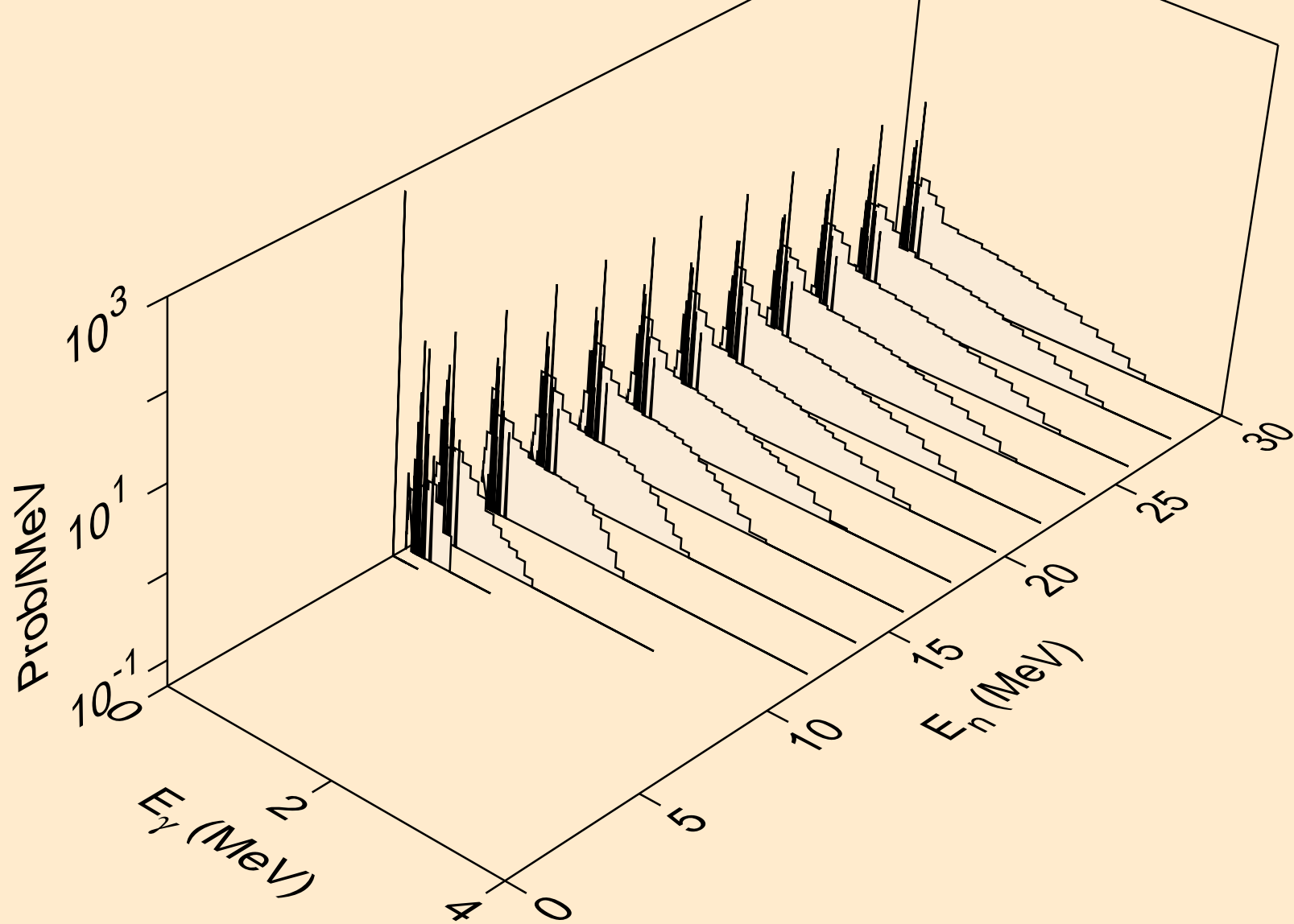
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)



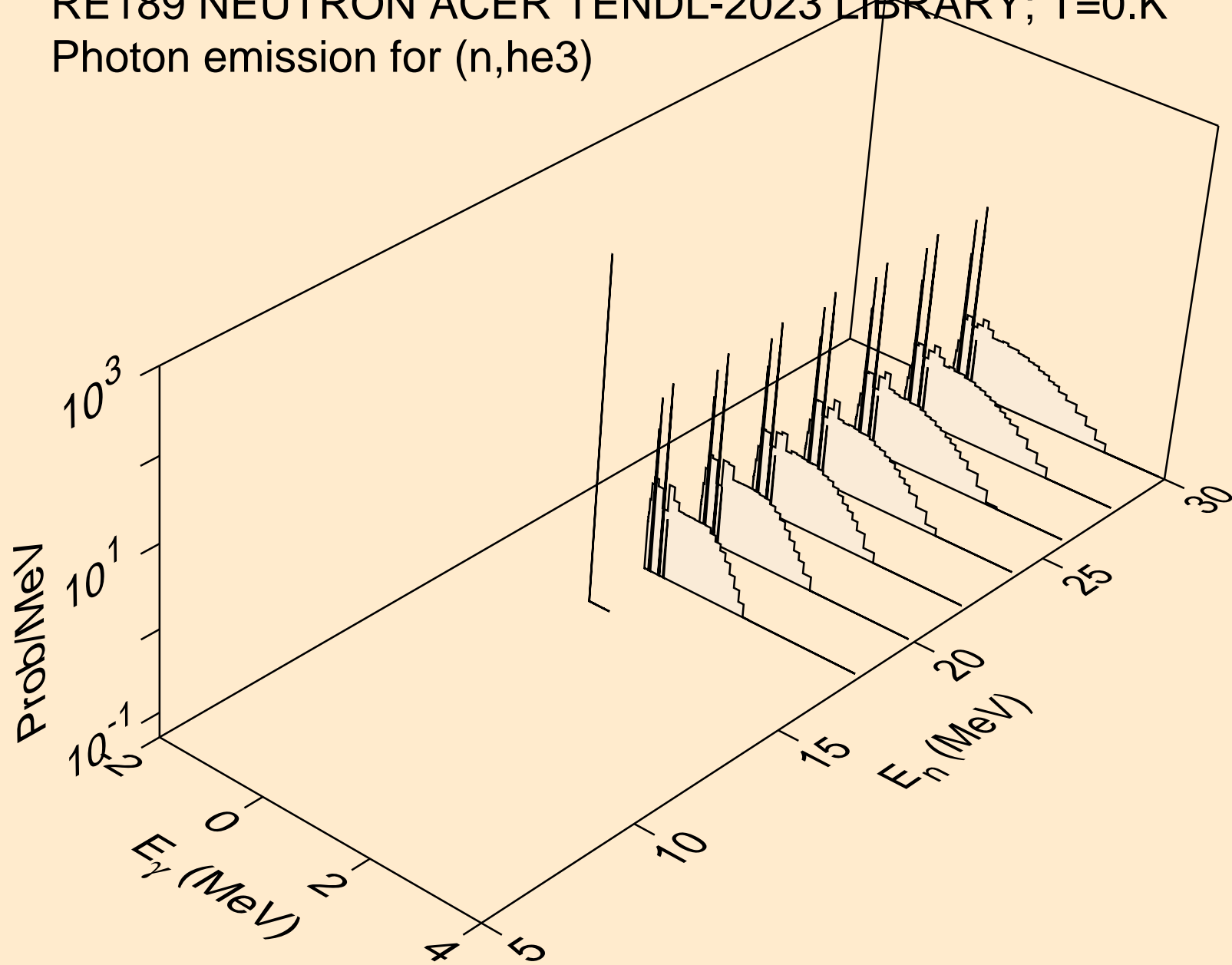
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)



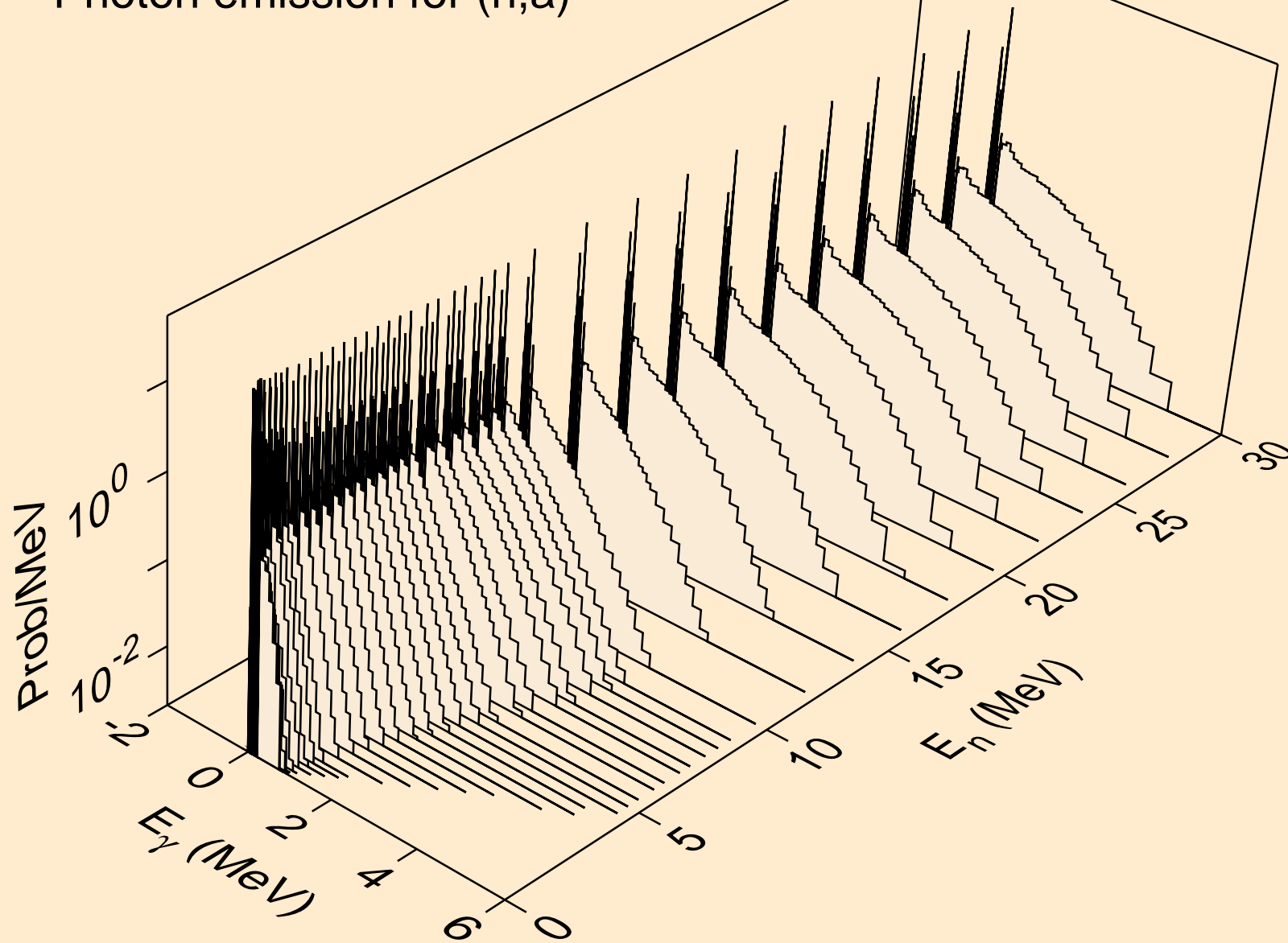
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)



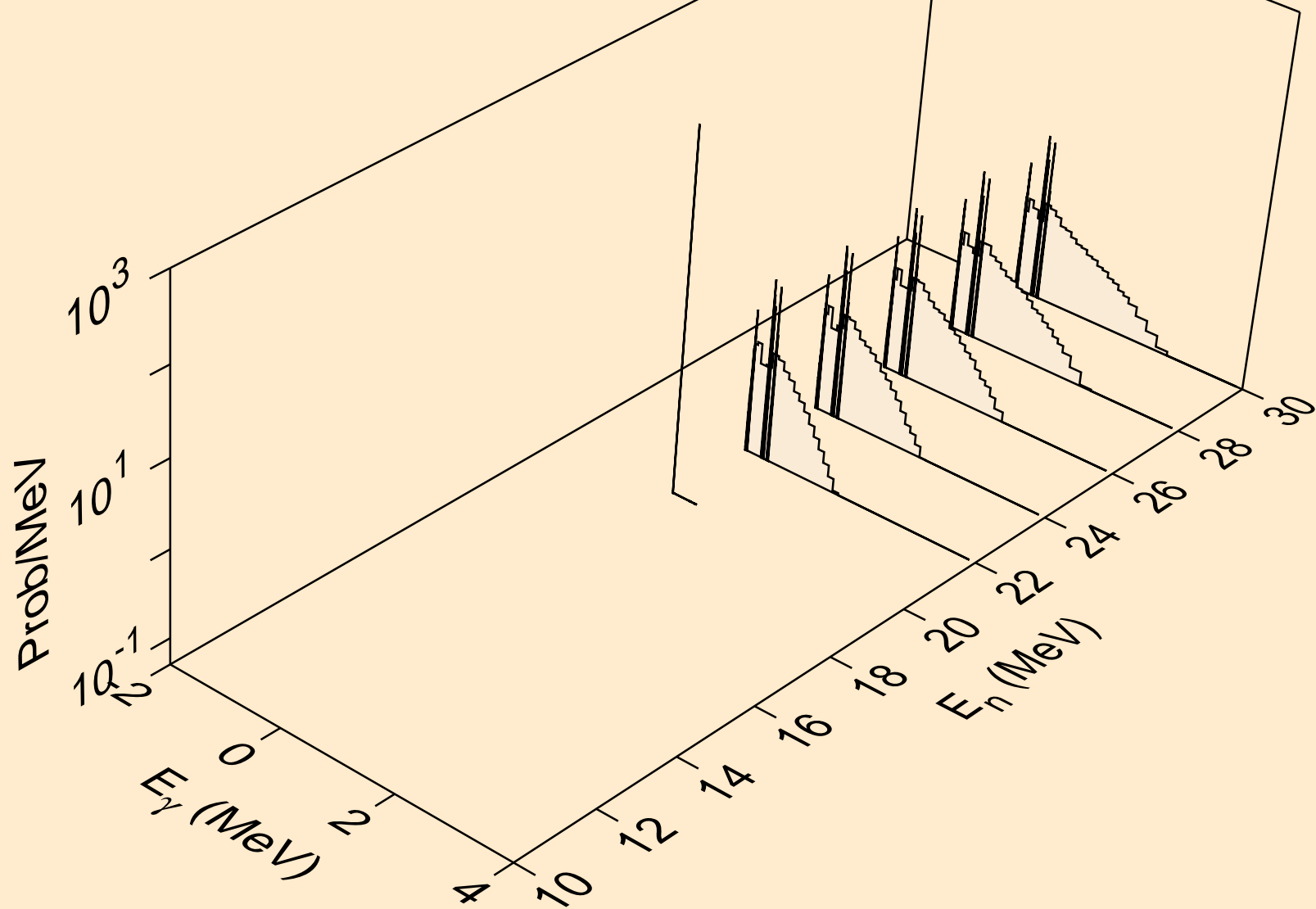
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)



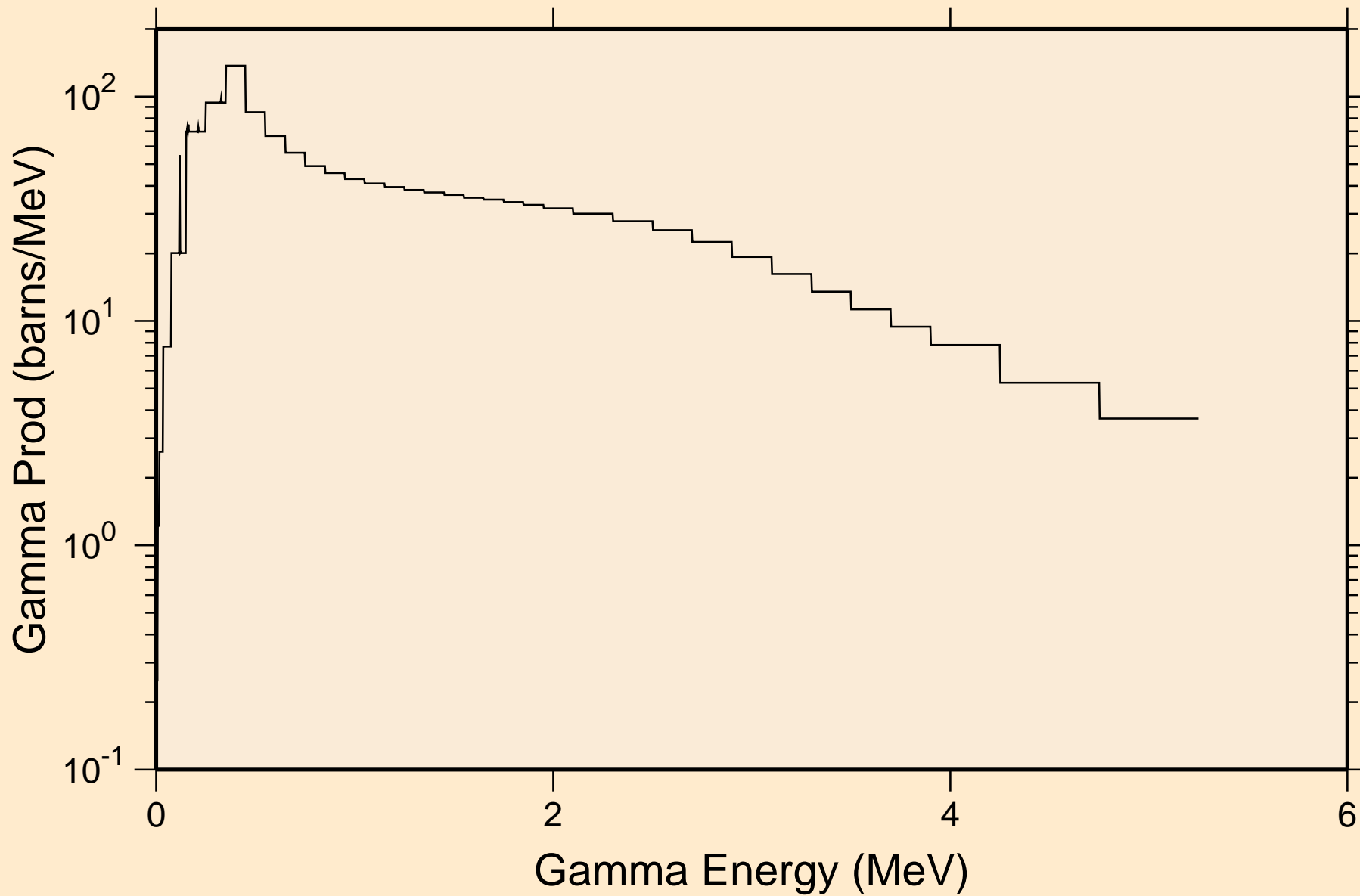
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)



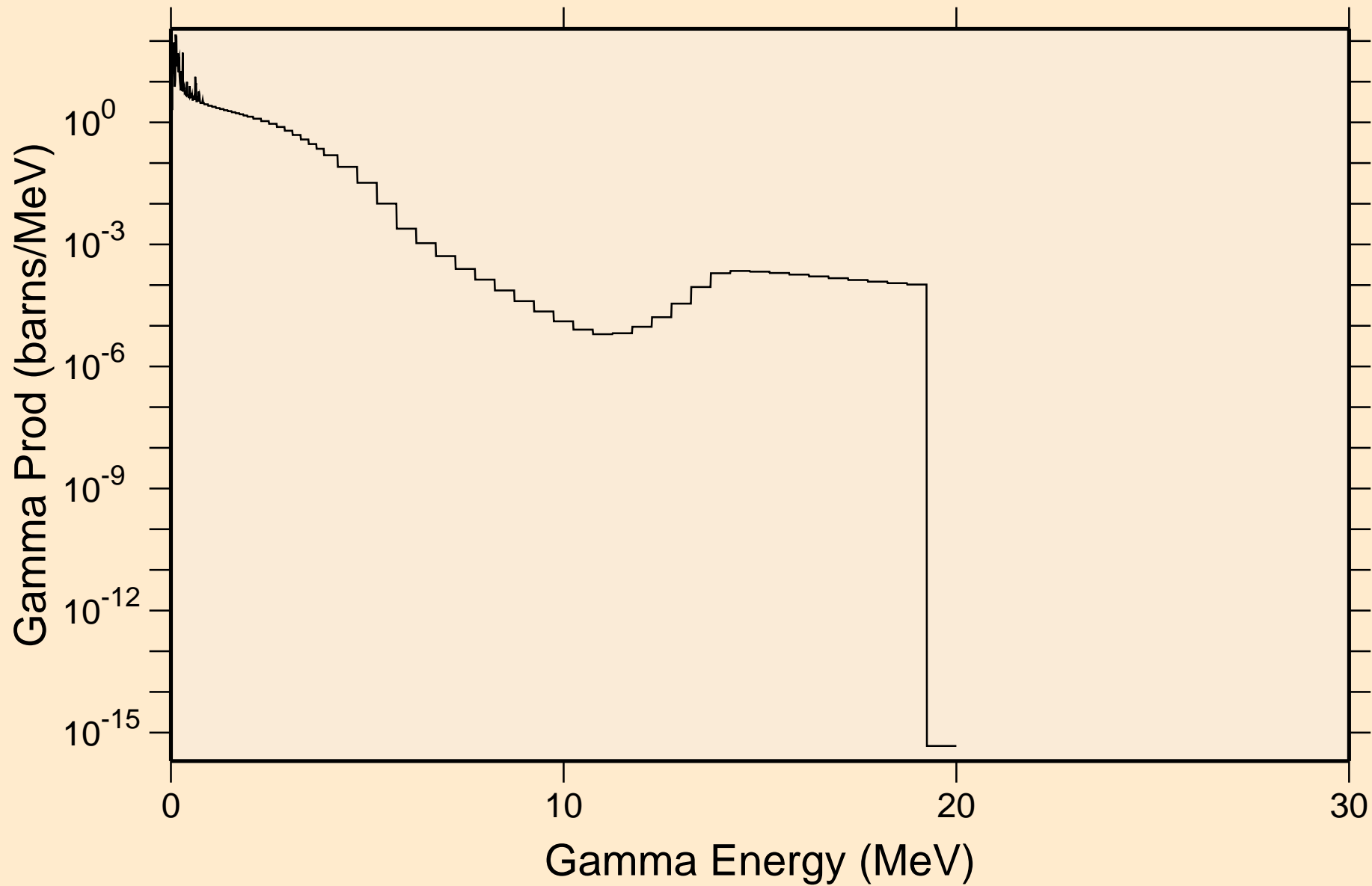
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)



RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
thermal capture photon spectrum

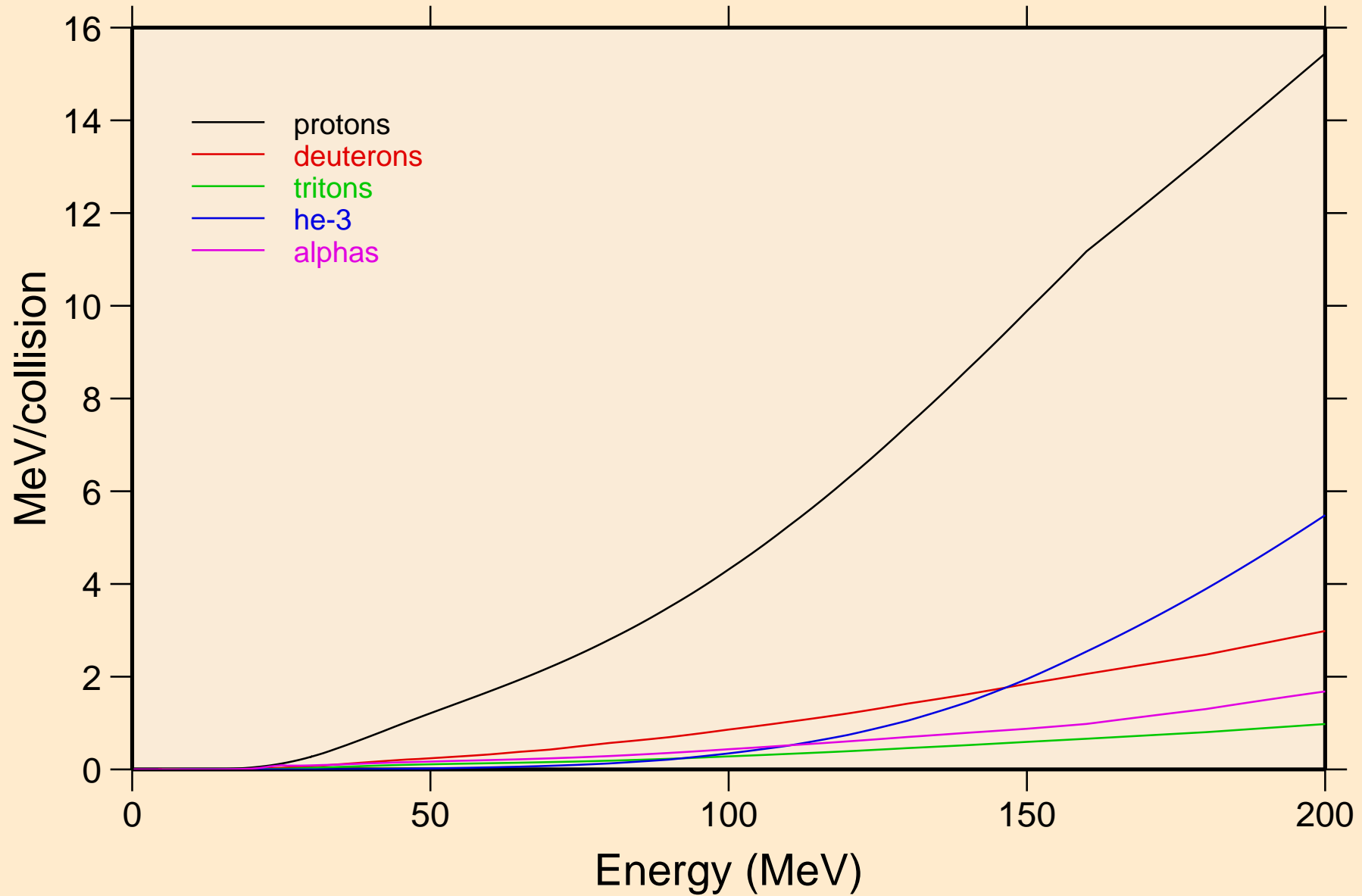


RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
14 MeV photon spectrum

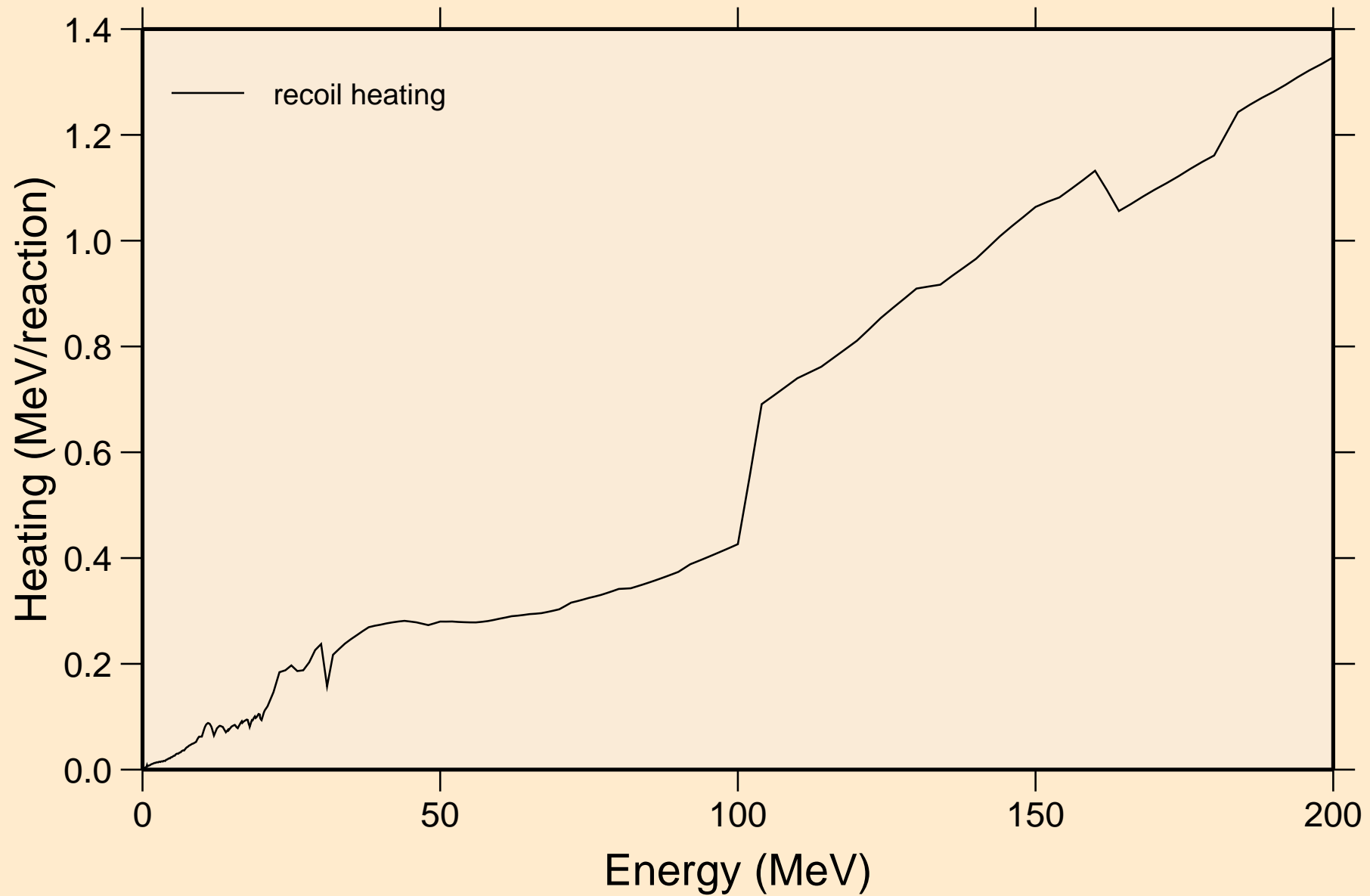


# RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

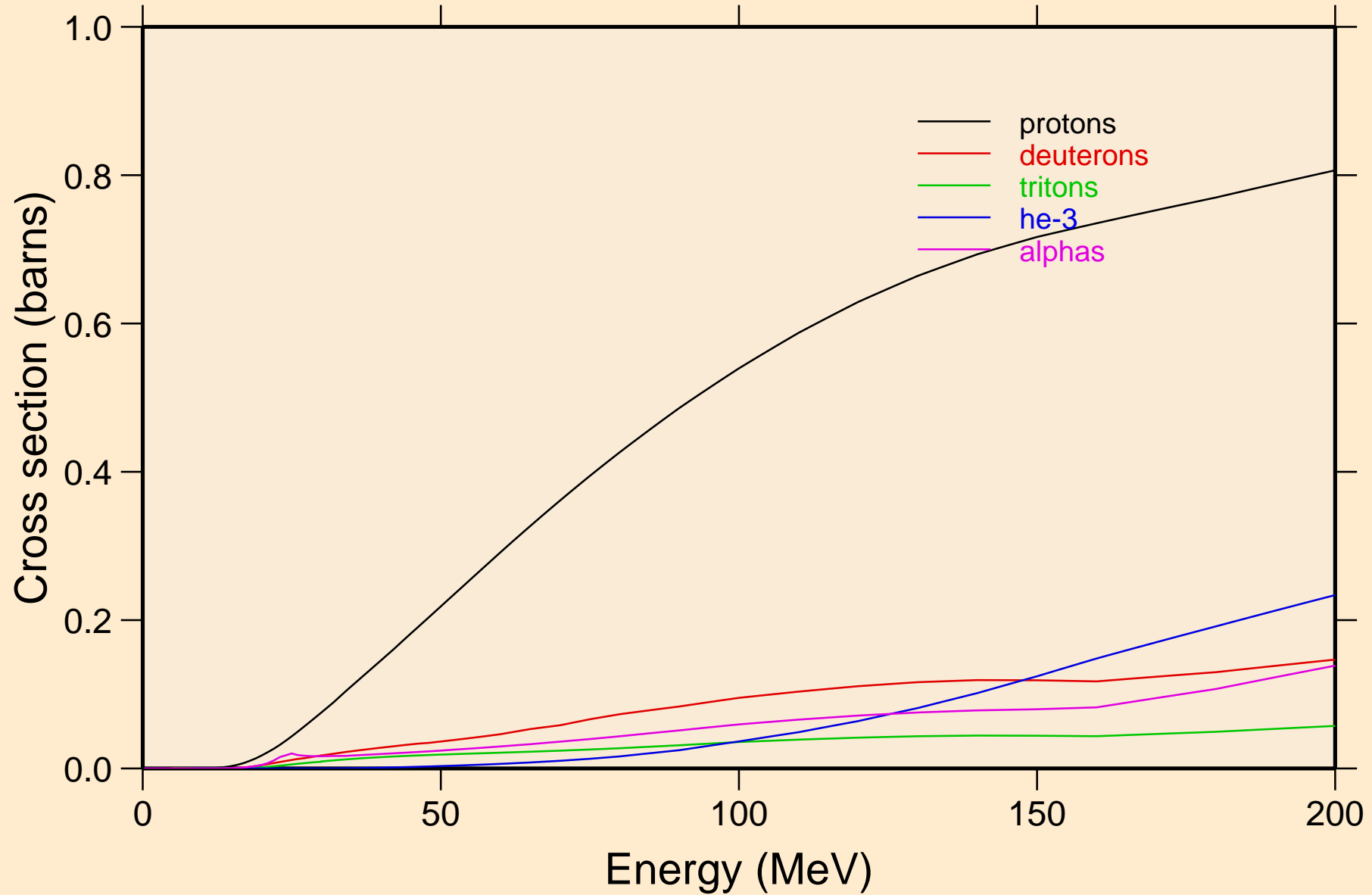
## Particle heating contributions



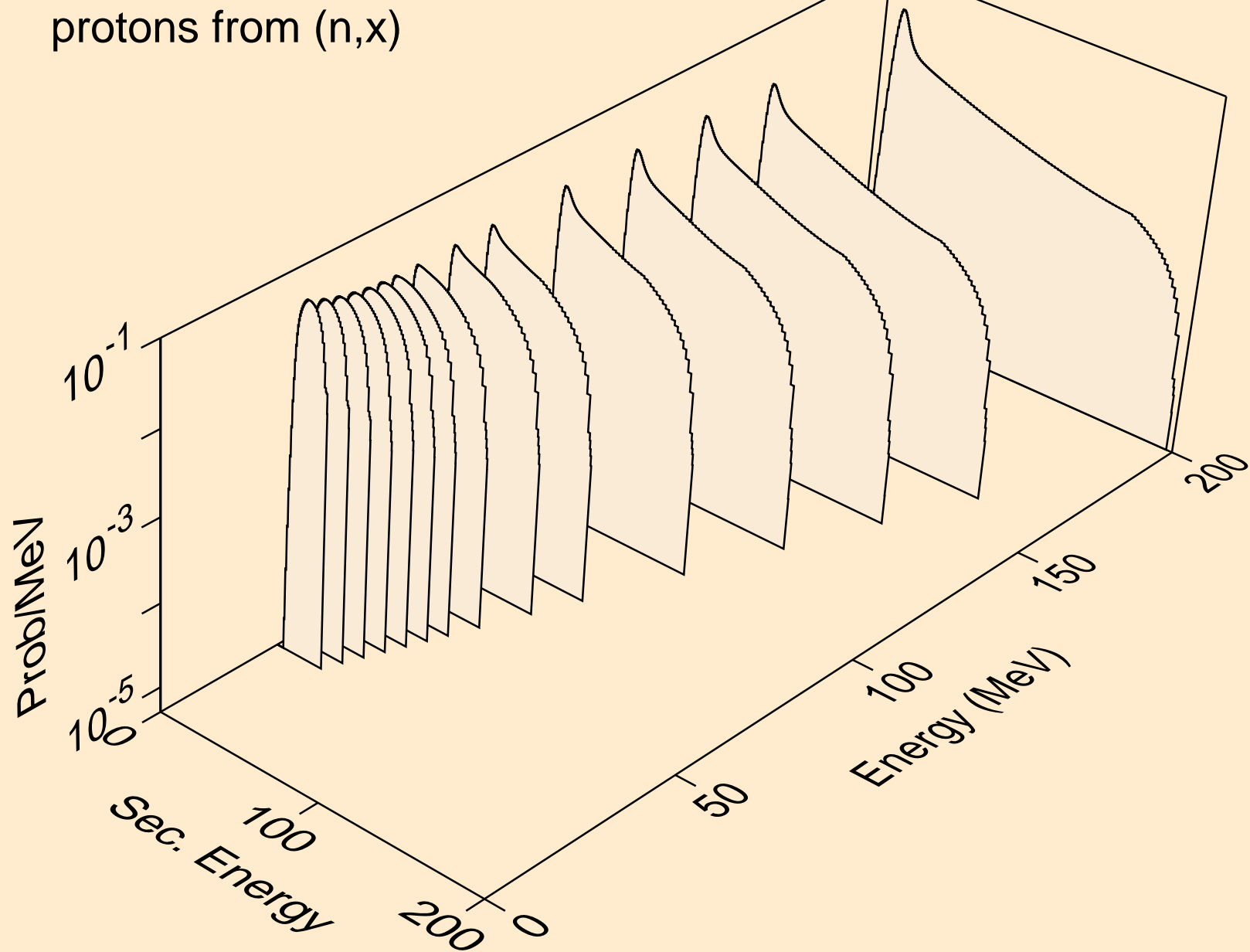
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating



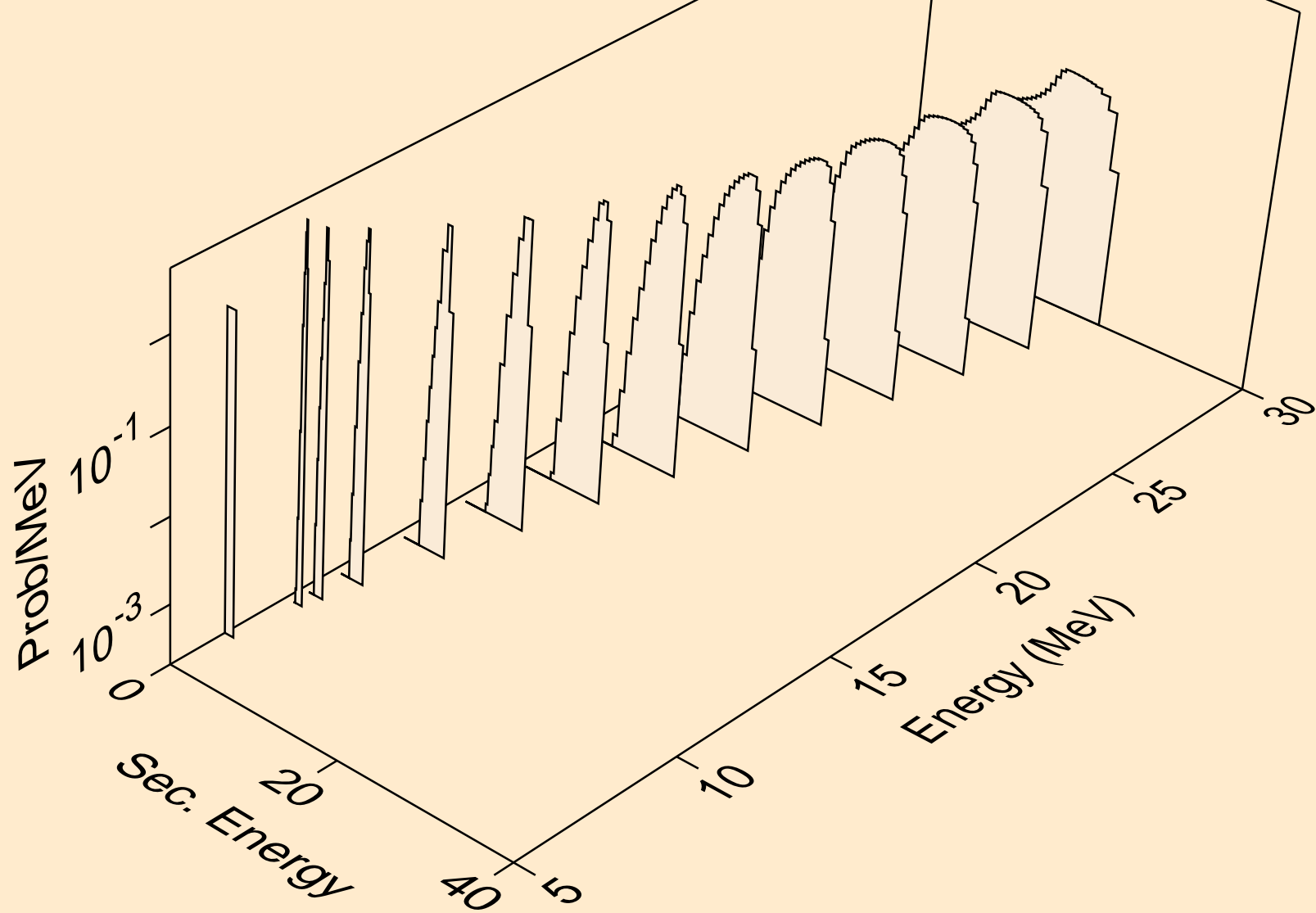
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Particle production cross sections



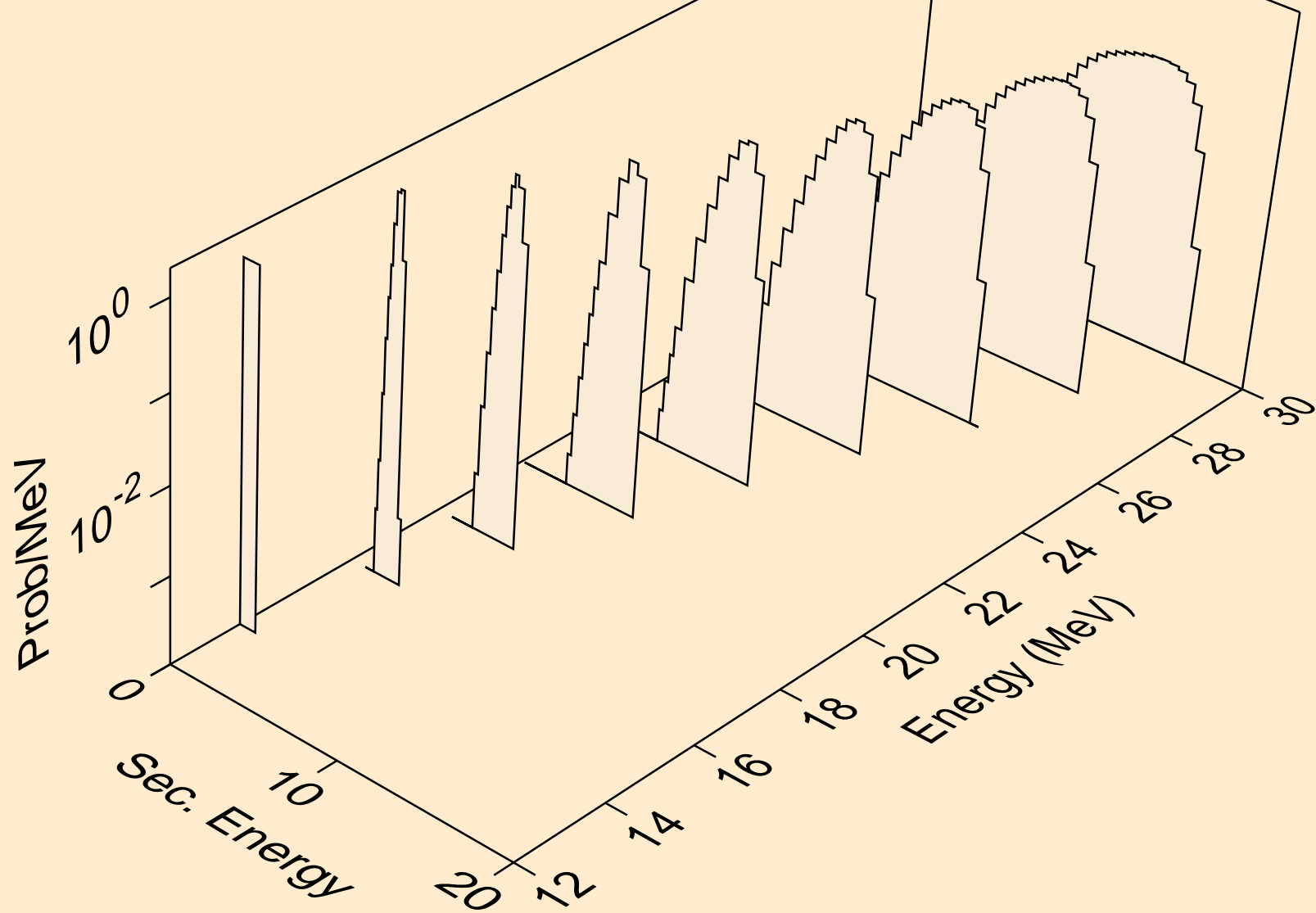
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,x)



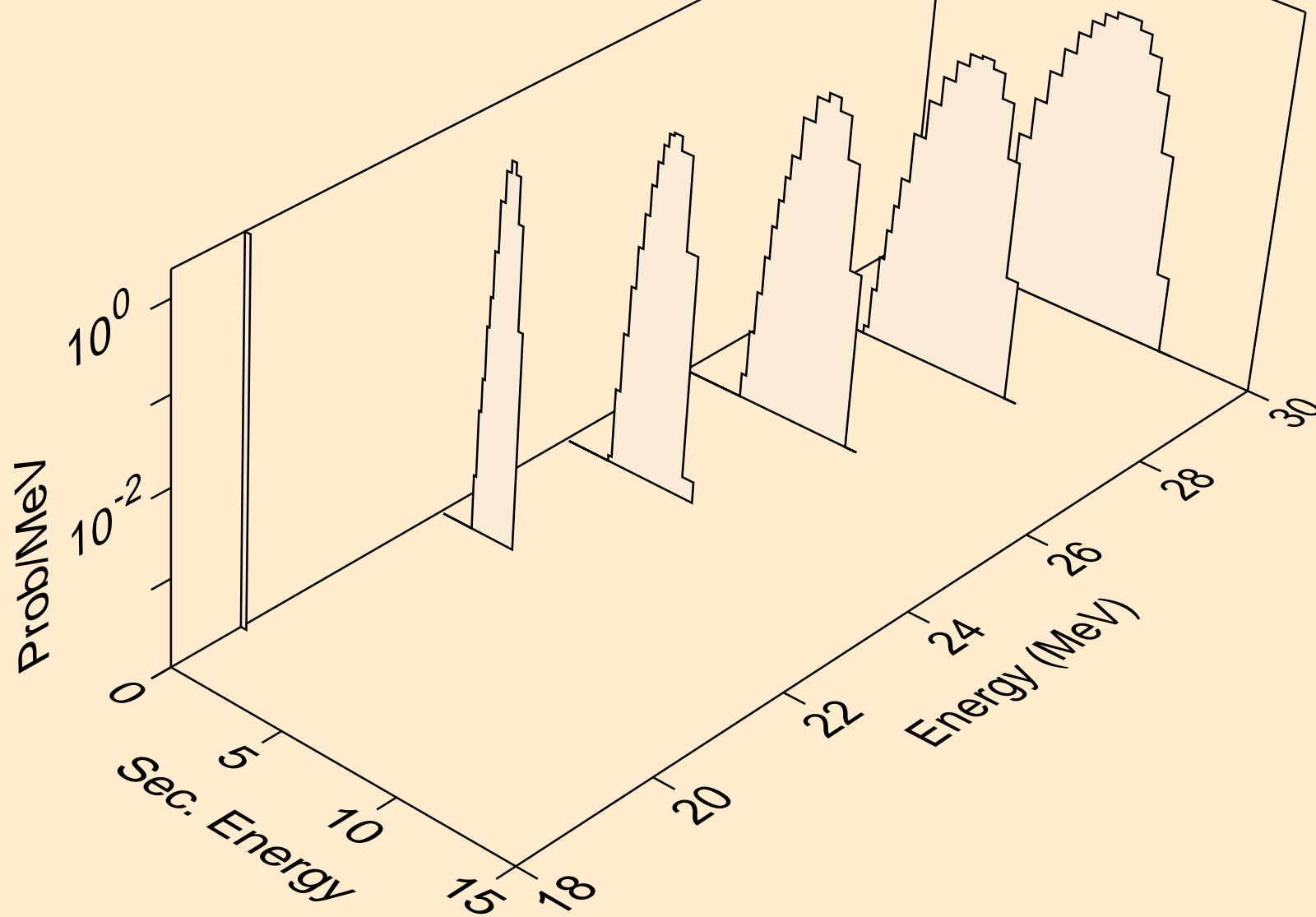
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n\*)p



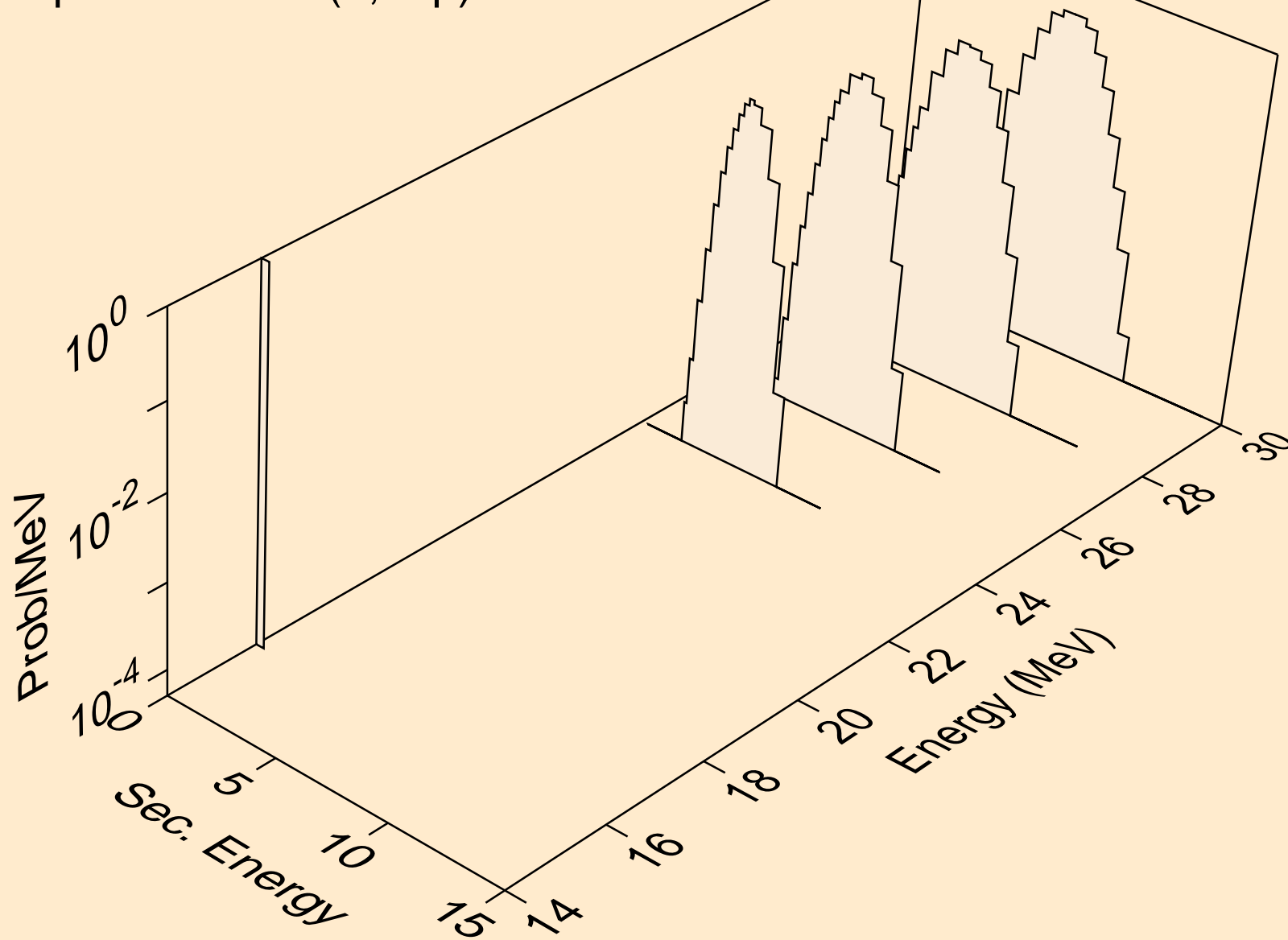
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,2np)



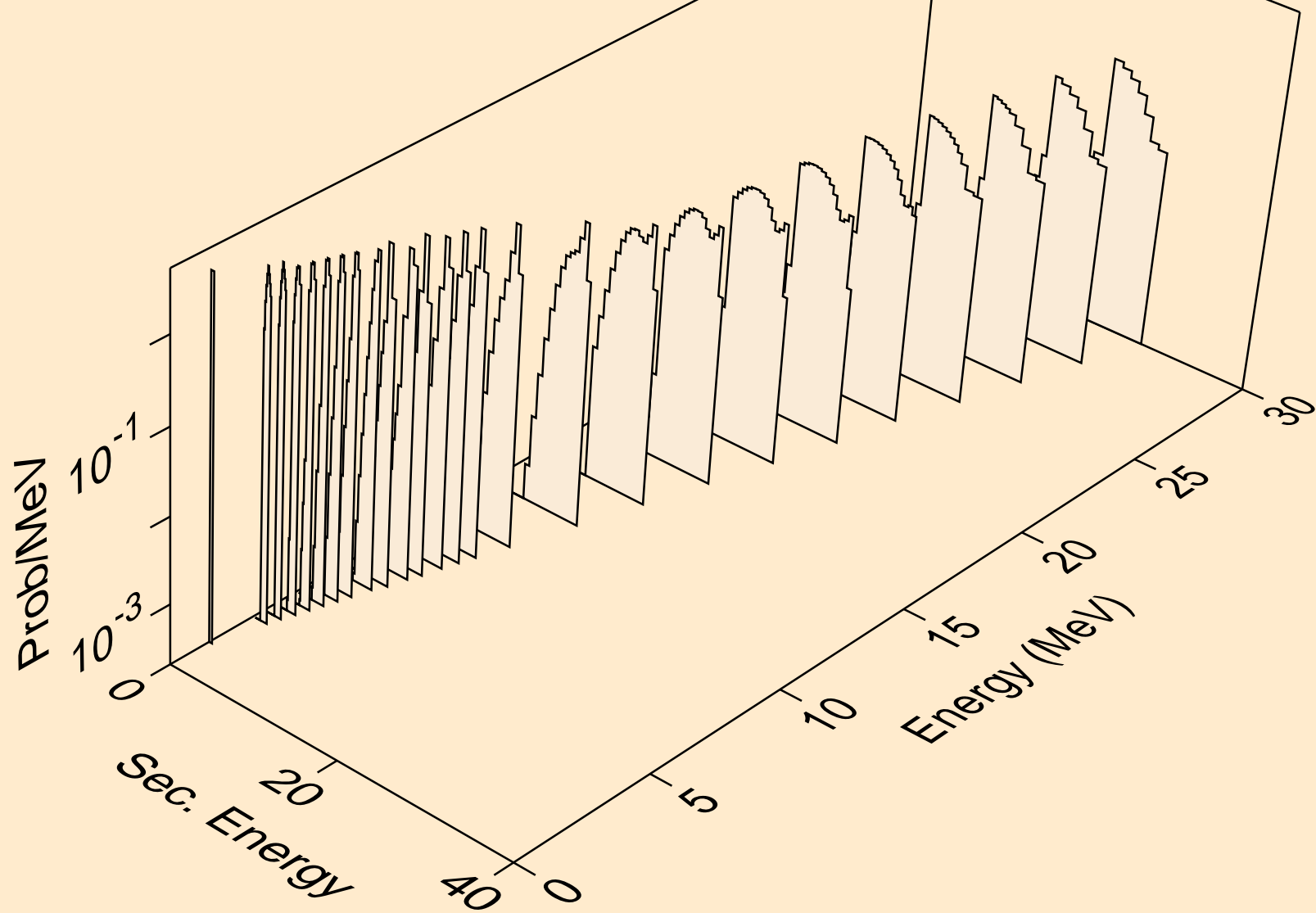
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,3np)



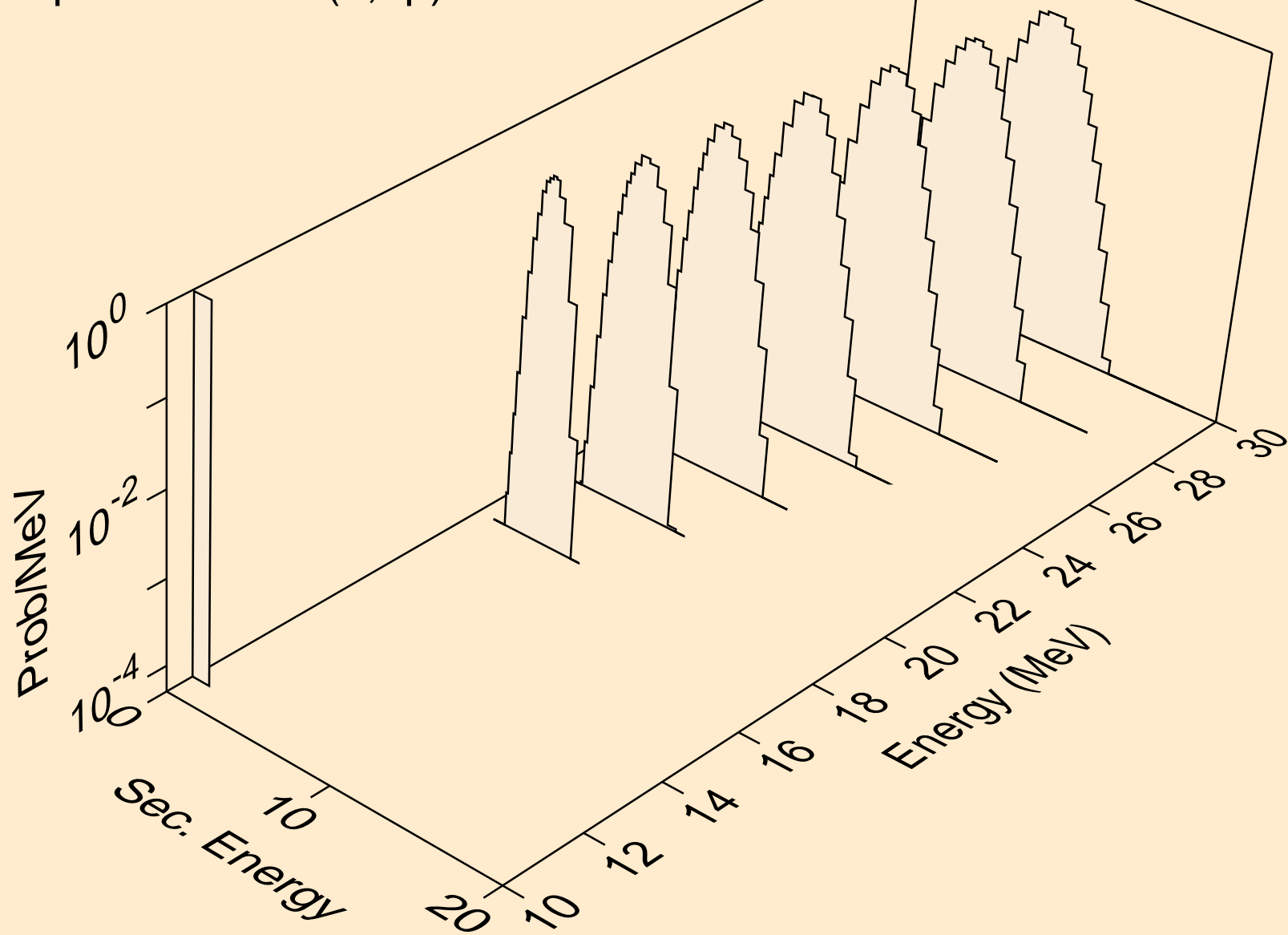
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n2p)



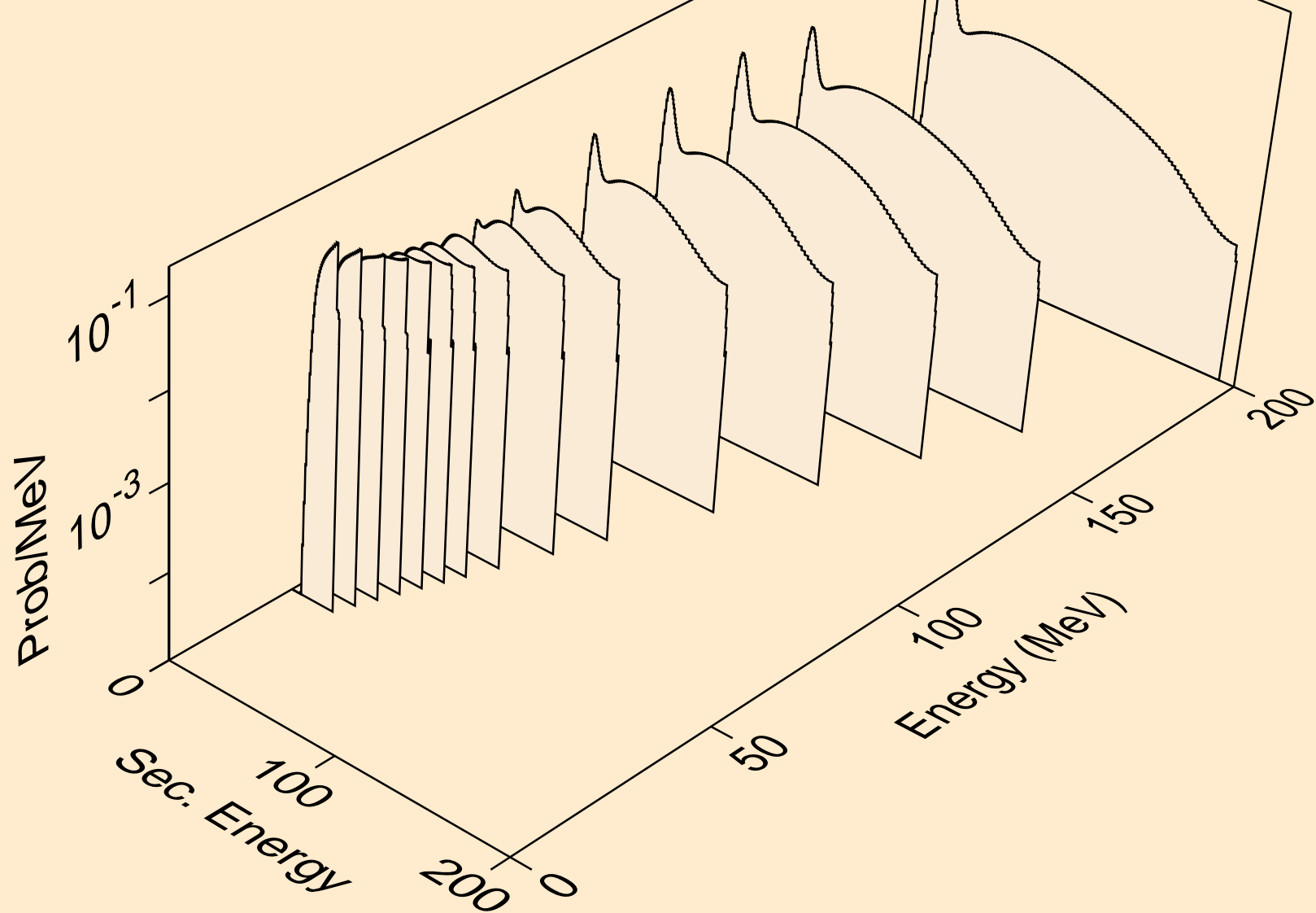
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,p)



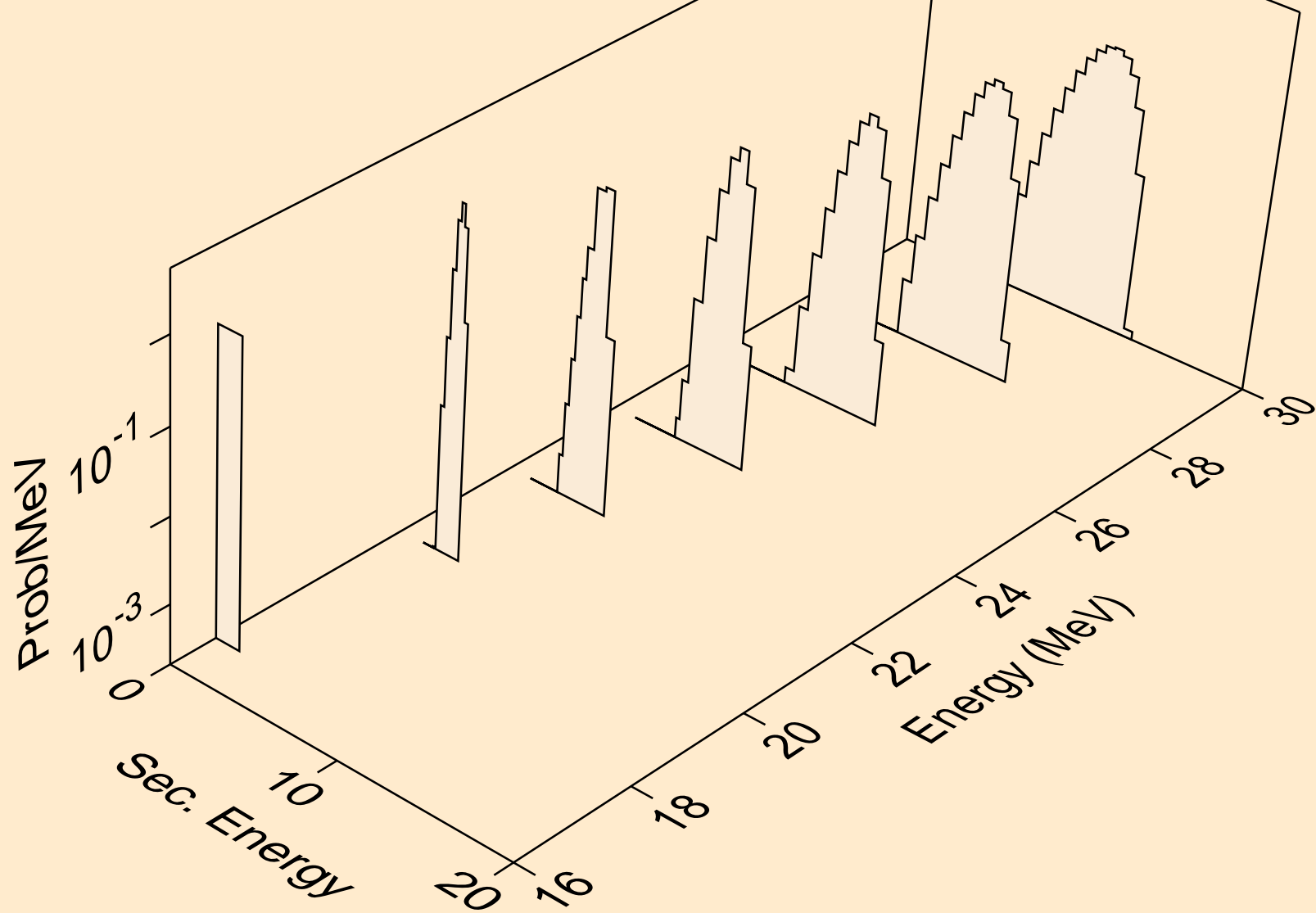
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,2p)



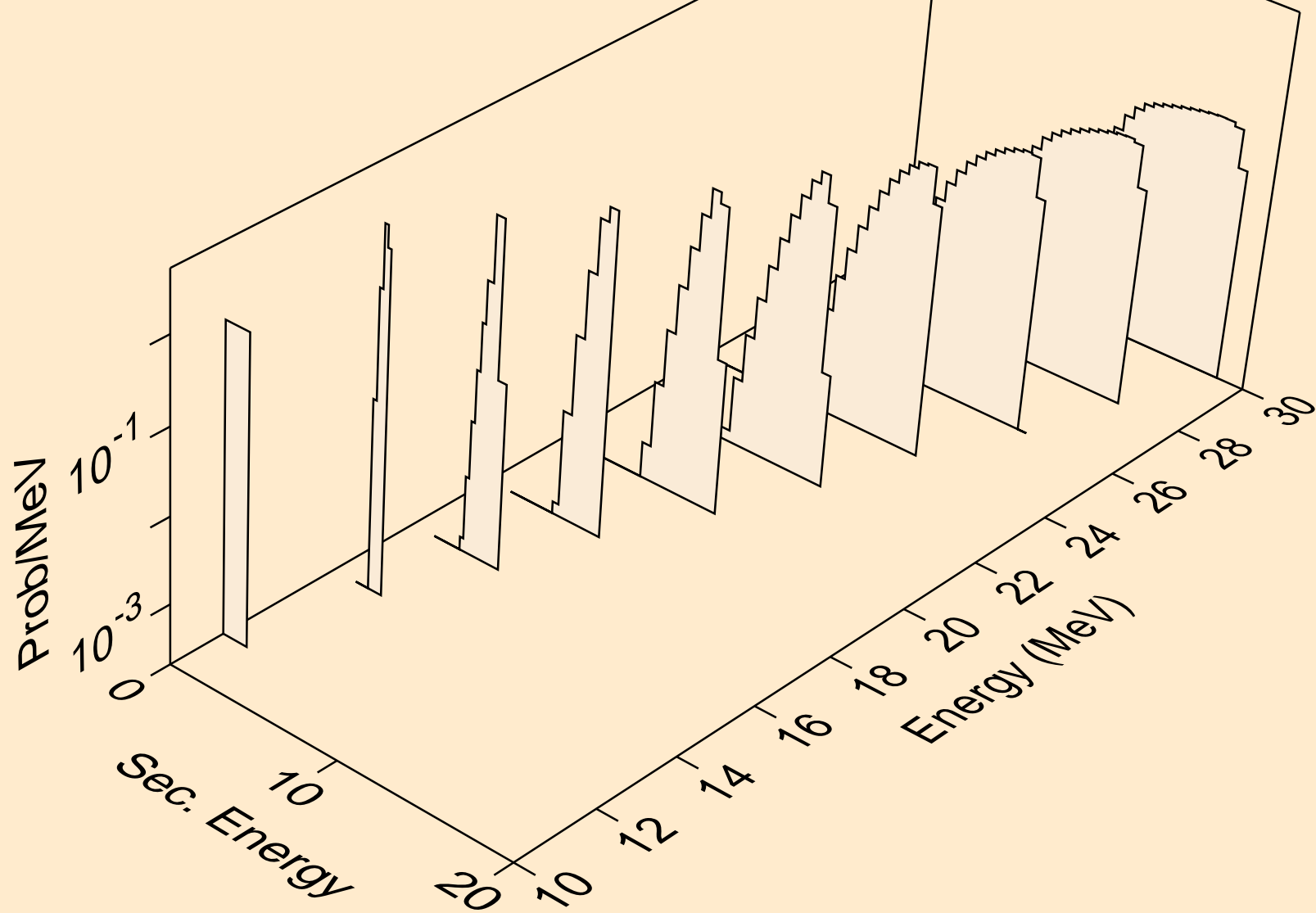
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,x)



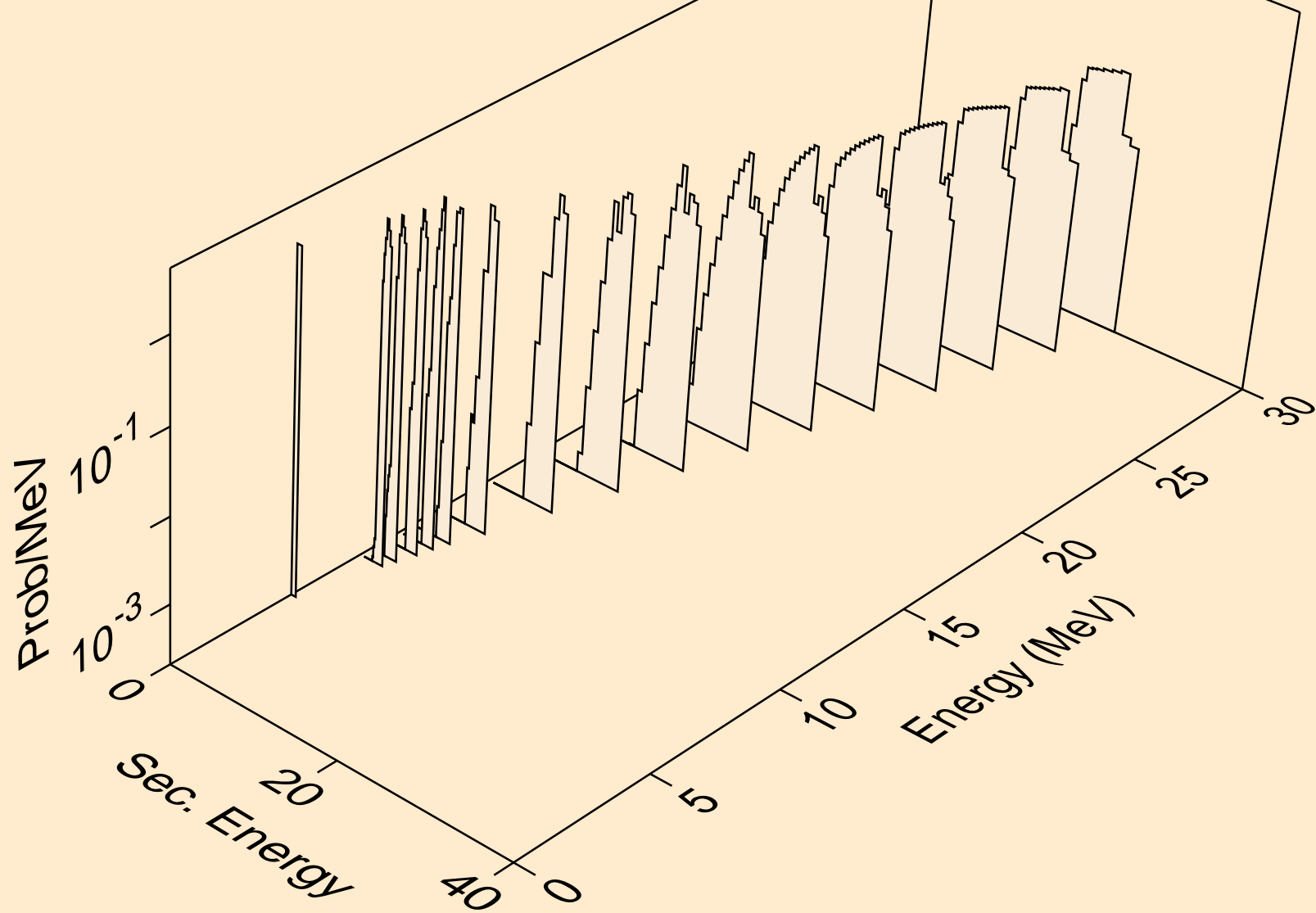
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,2nd)



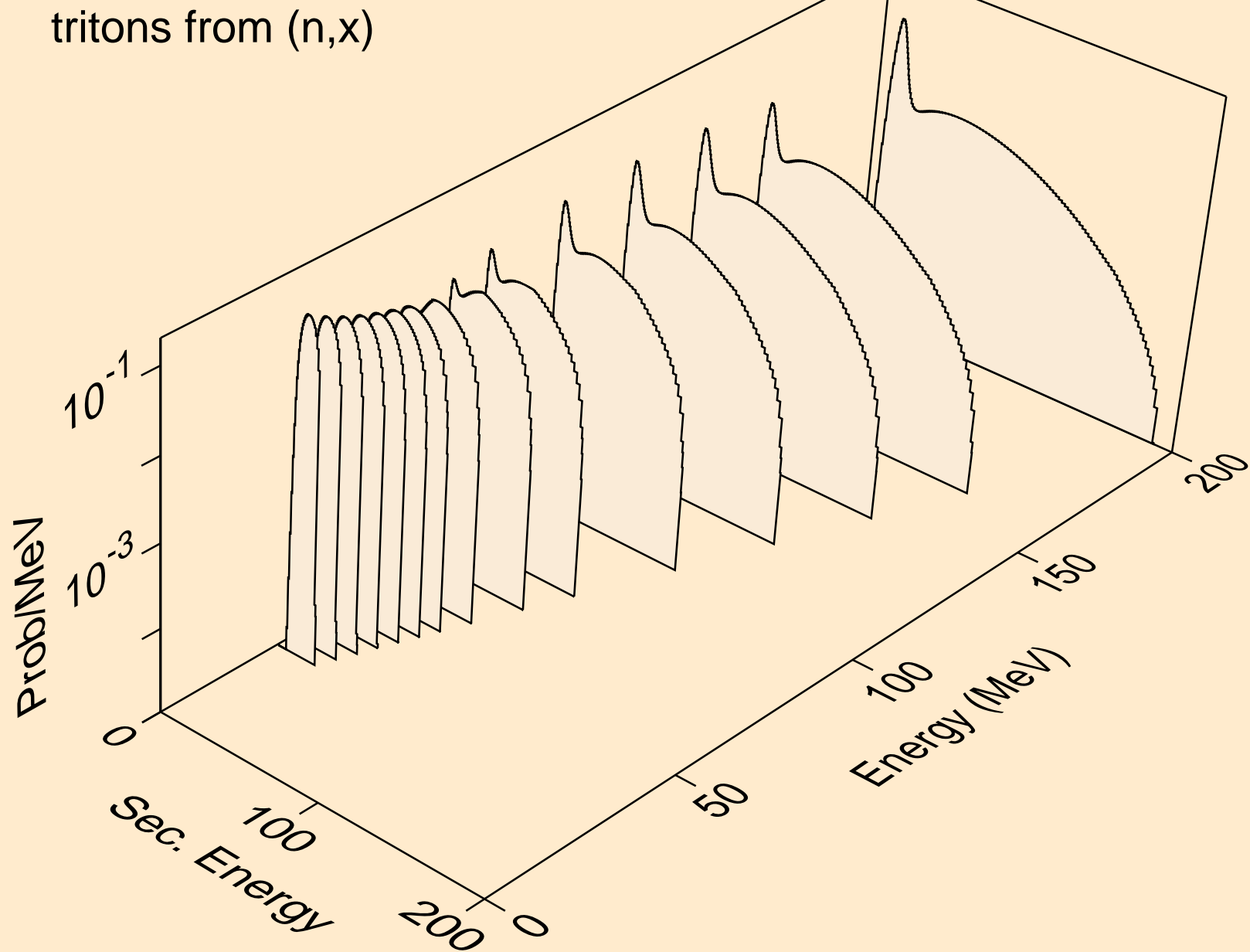
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,n\*)d



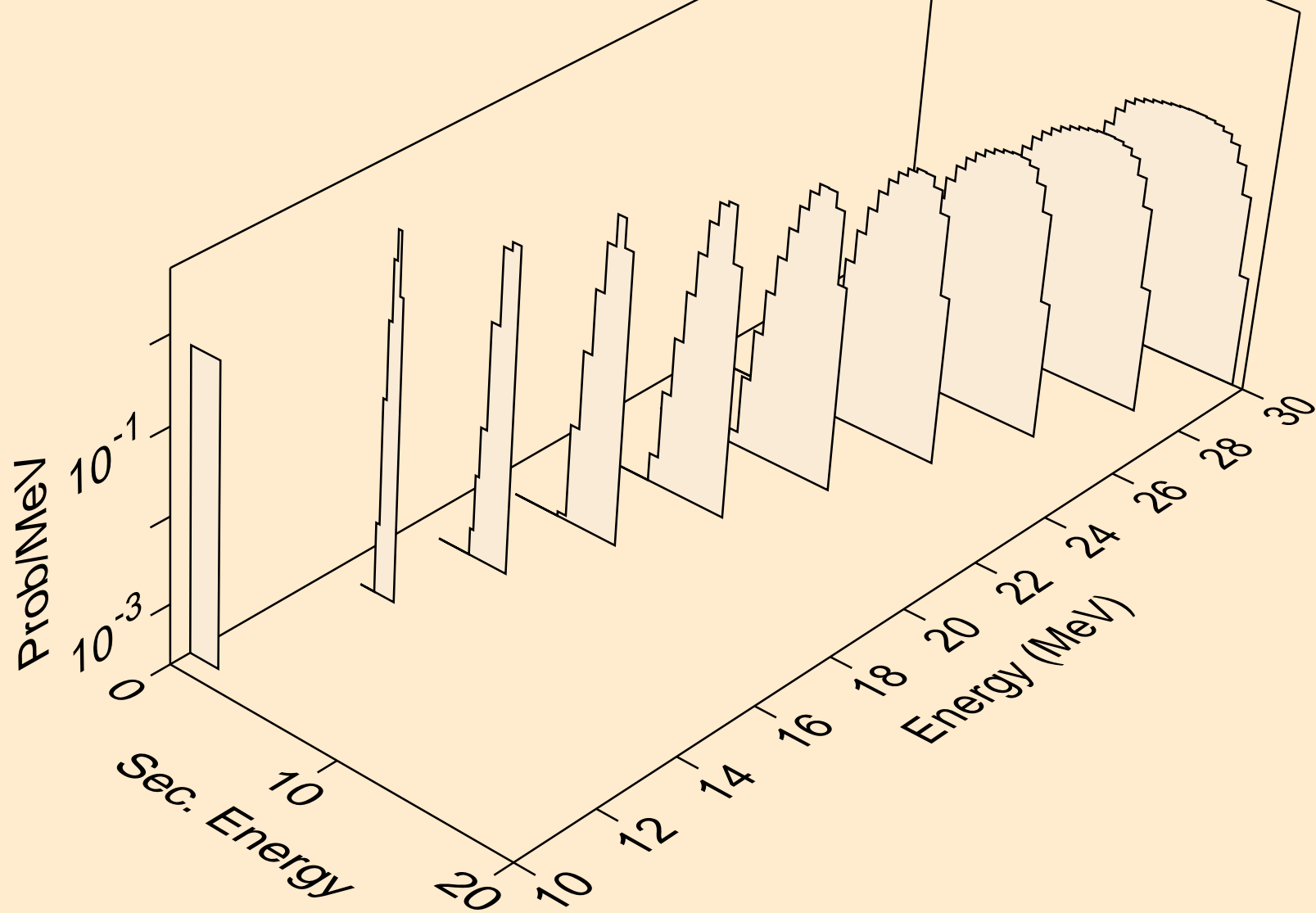
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,d)



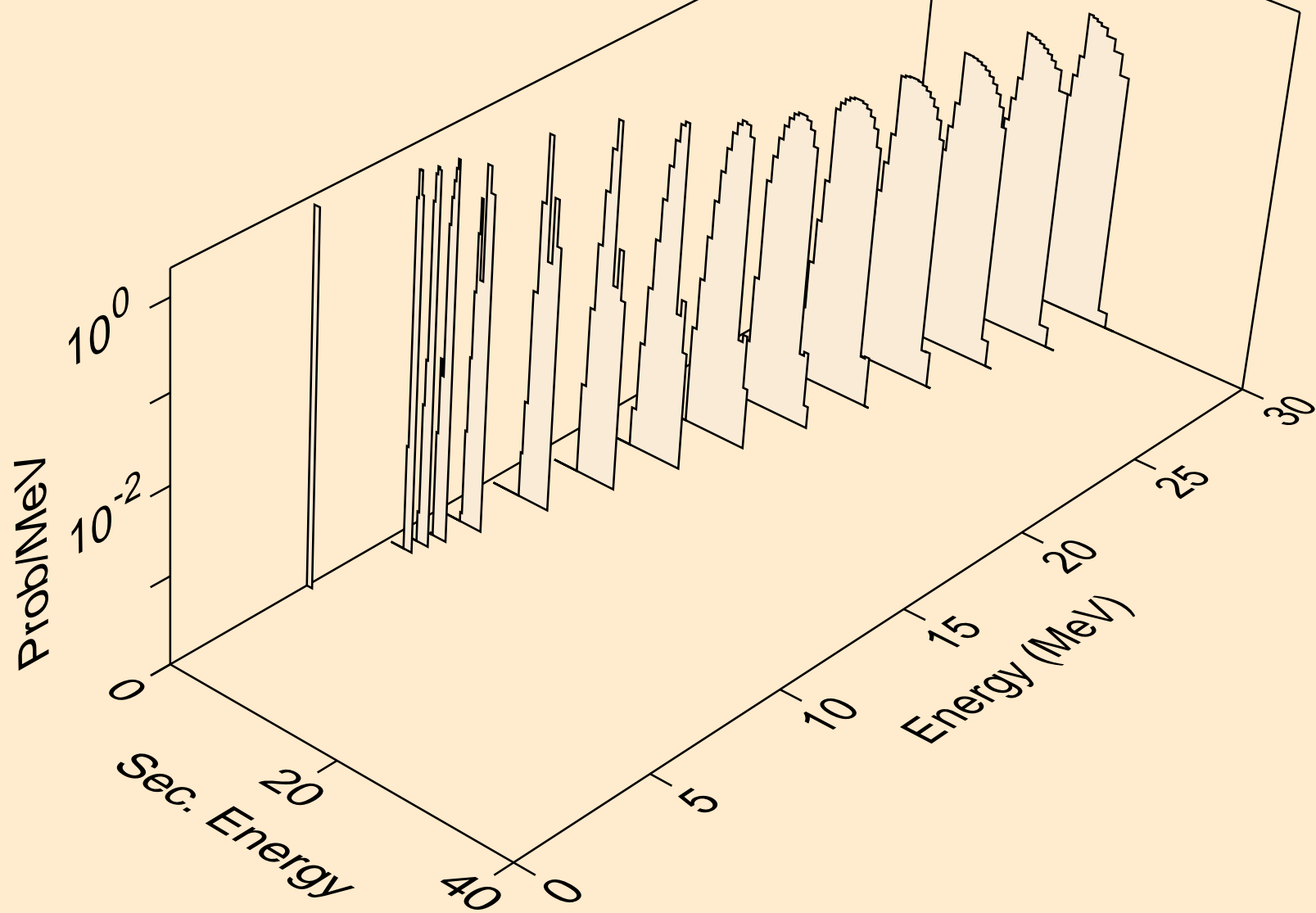
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,x)



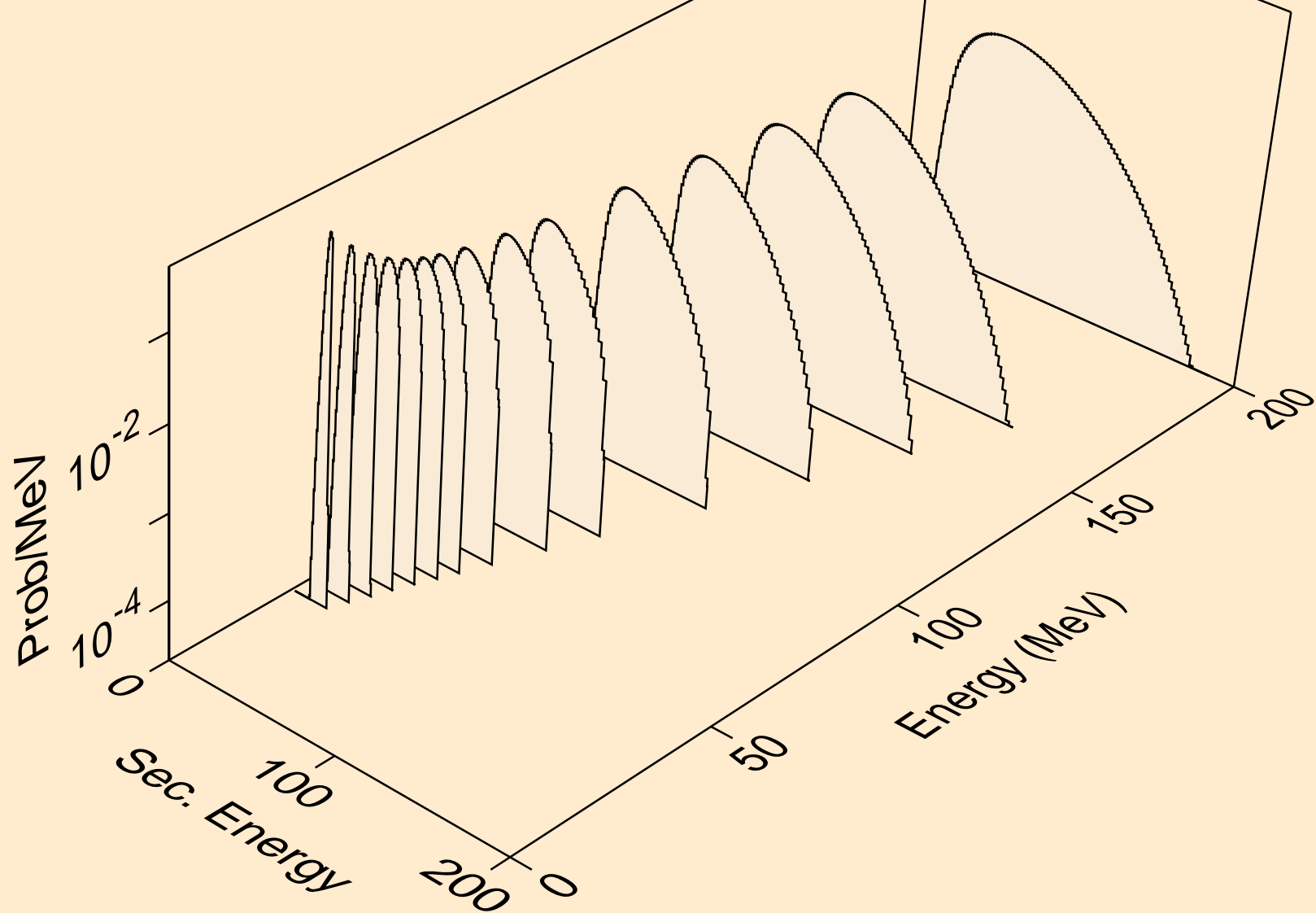
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,n\*)t



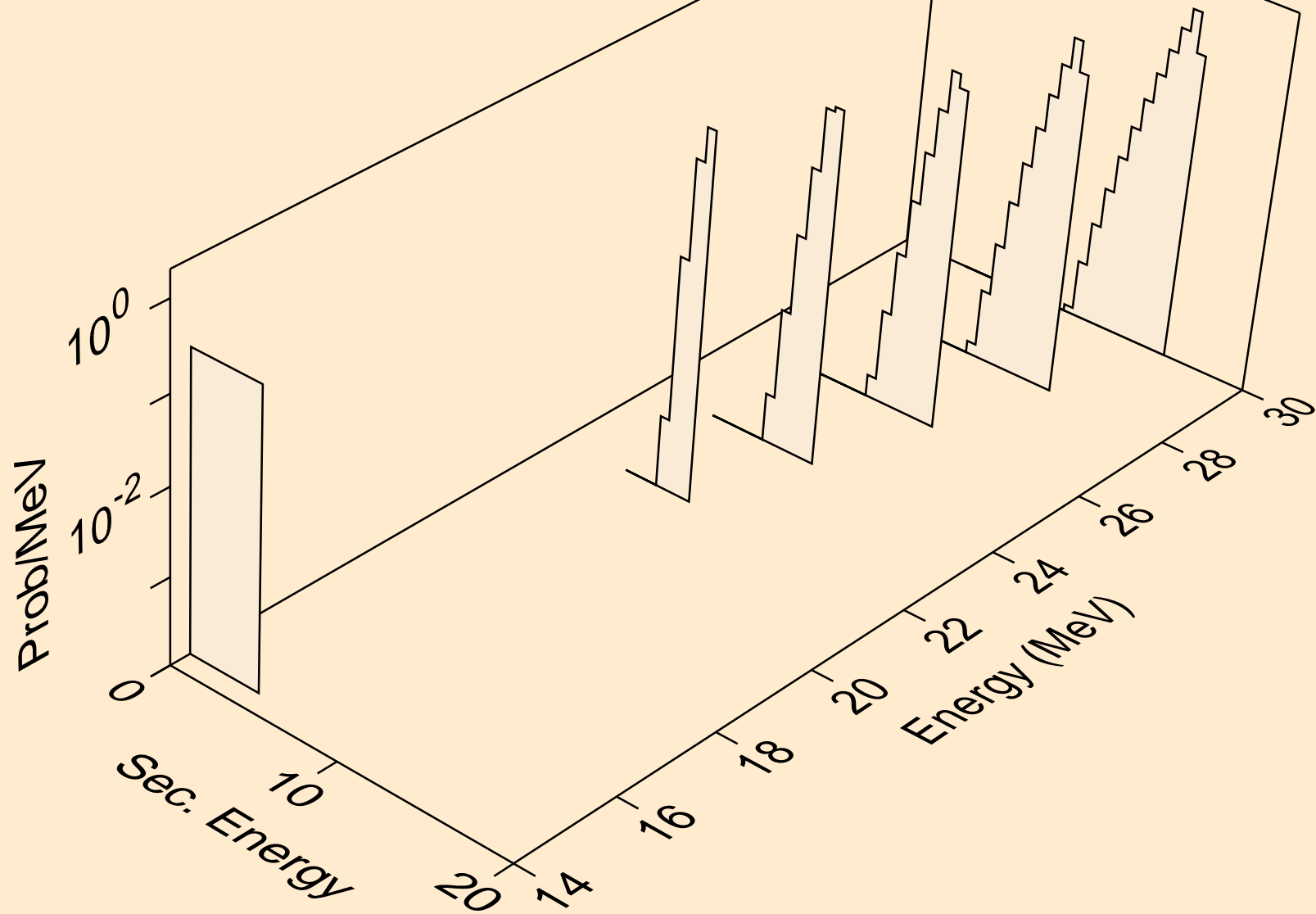
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,t)



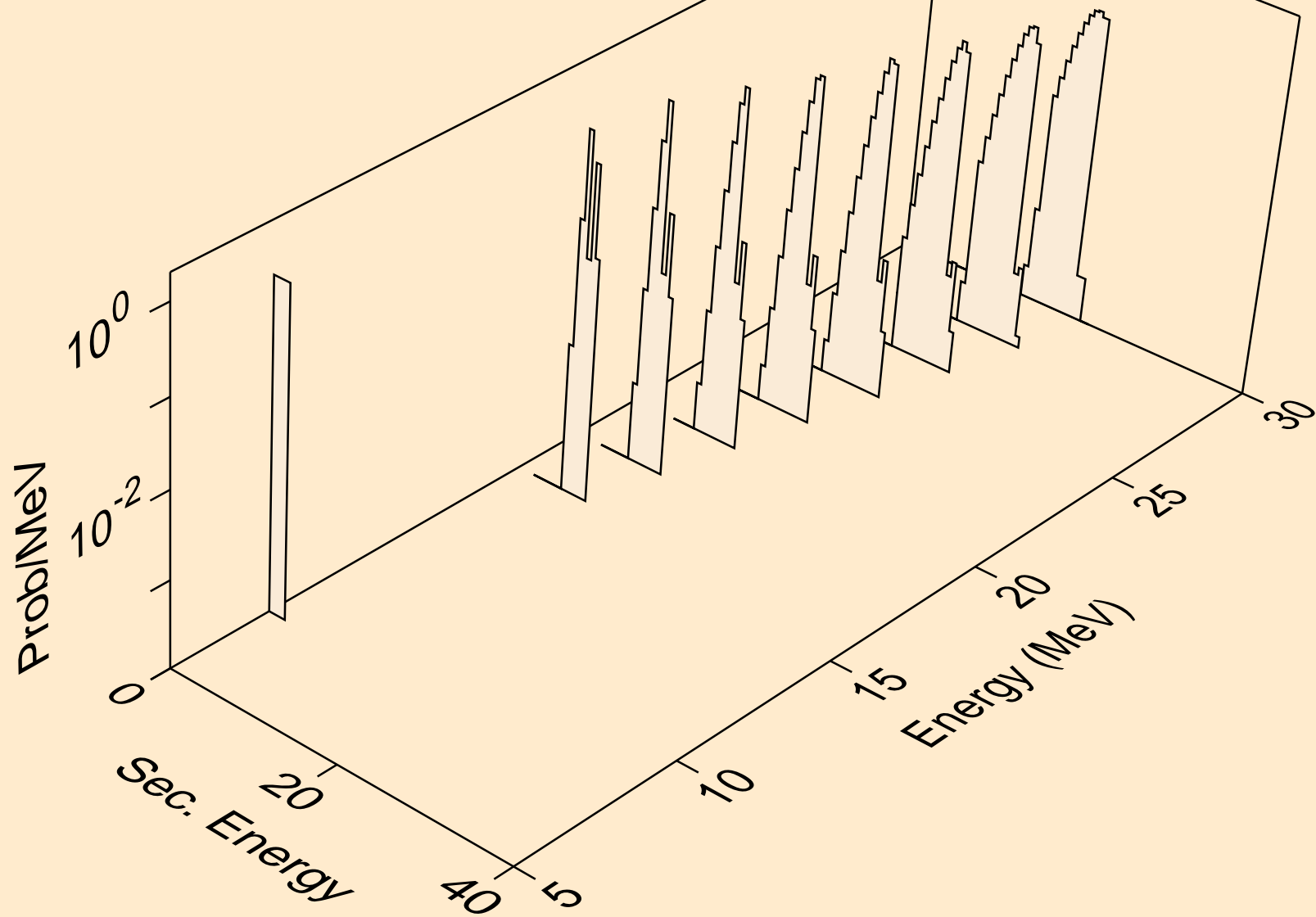
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,x)



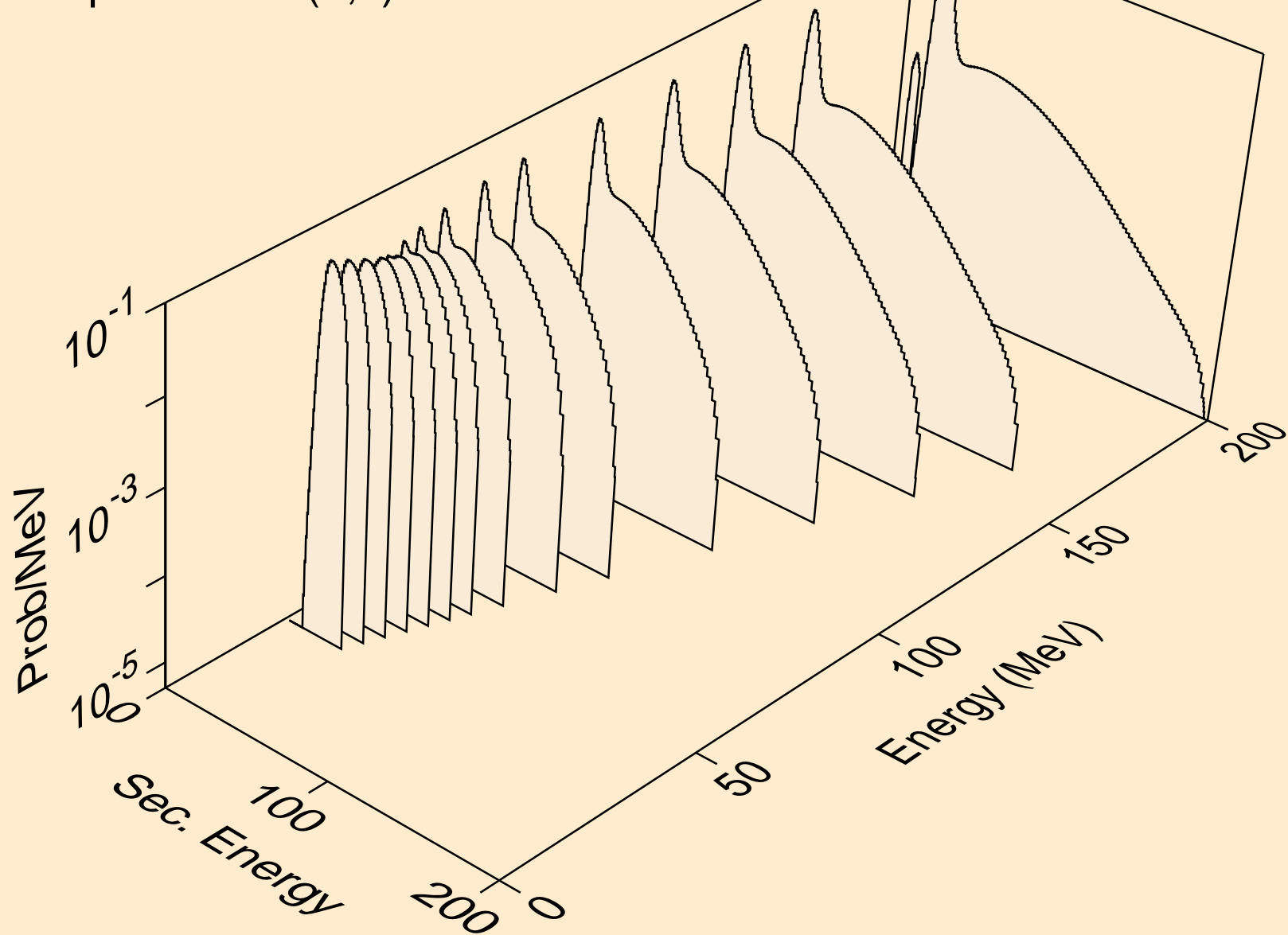
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,n\*)he3



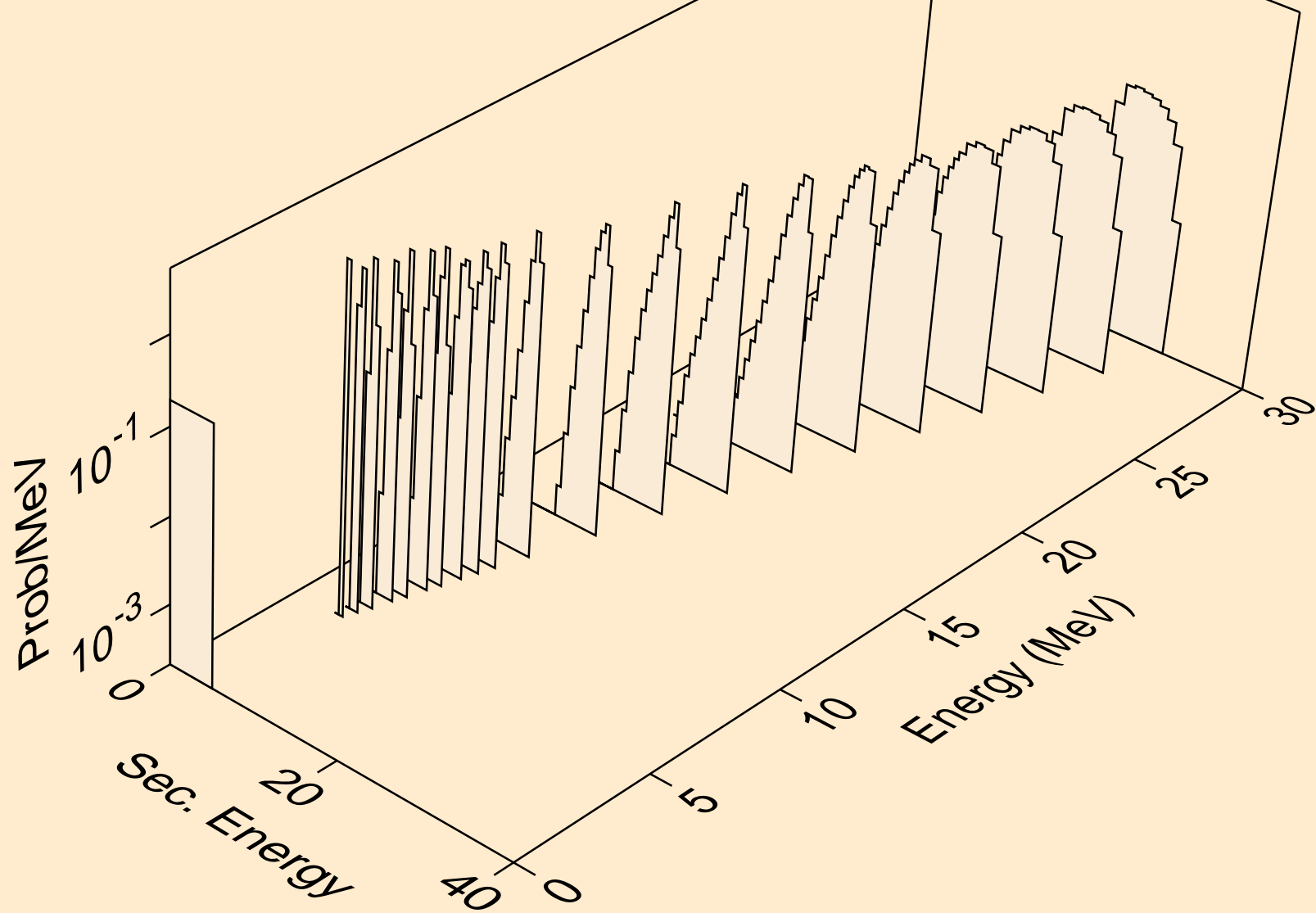
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,he3)



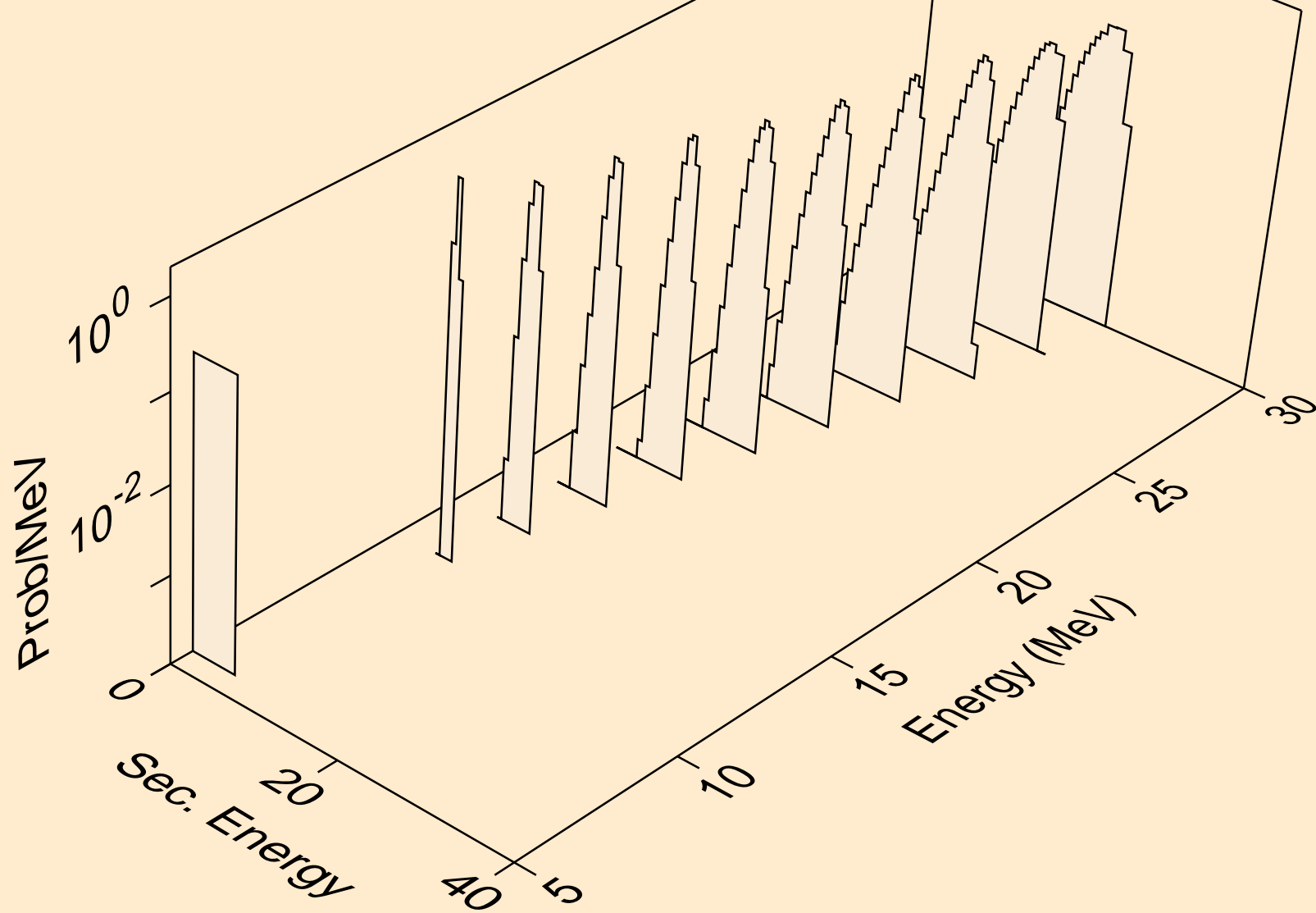
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,x)



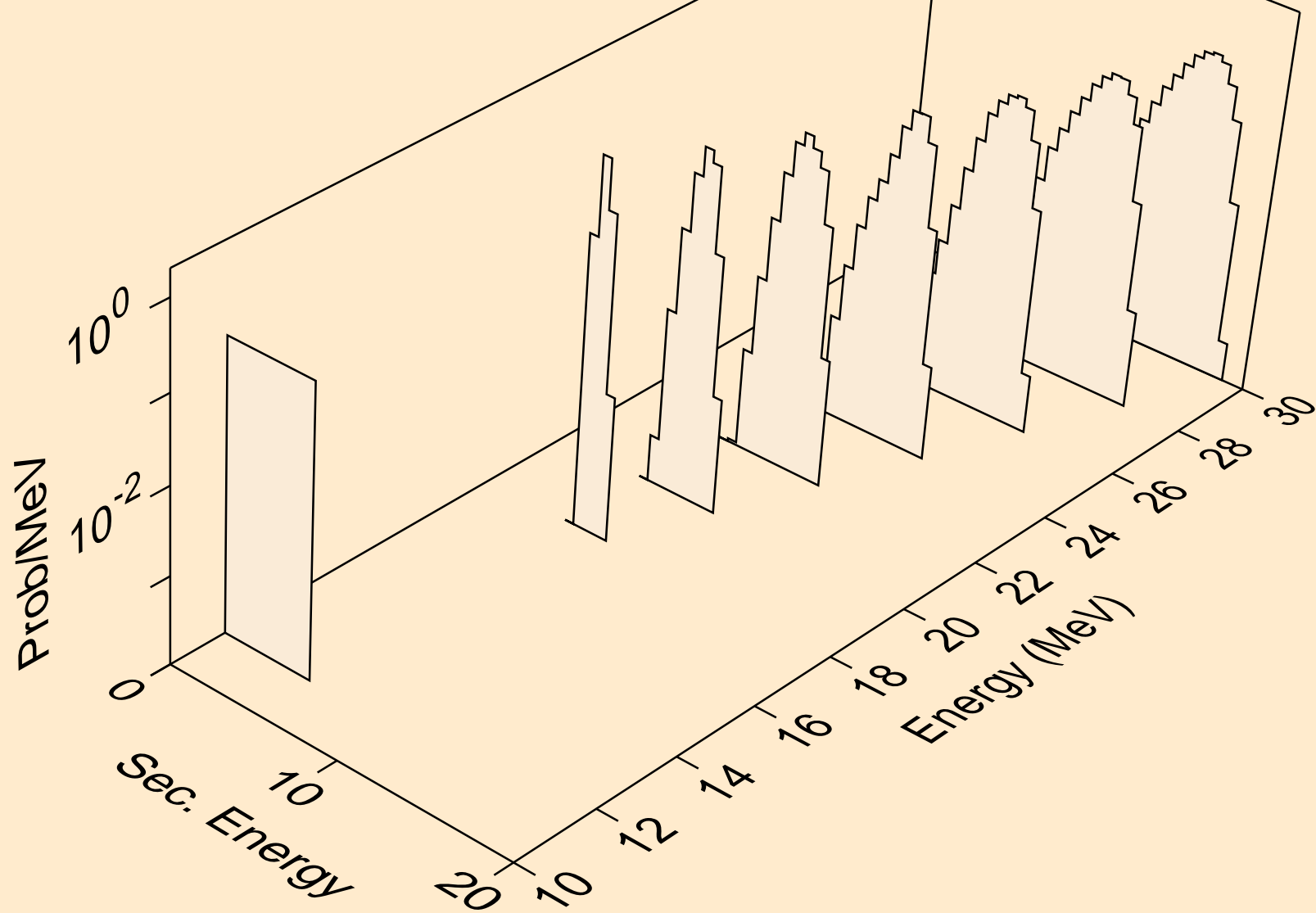
RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)a



RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2n)a



RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,3n)a



RE189 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,a)

