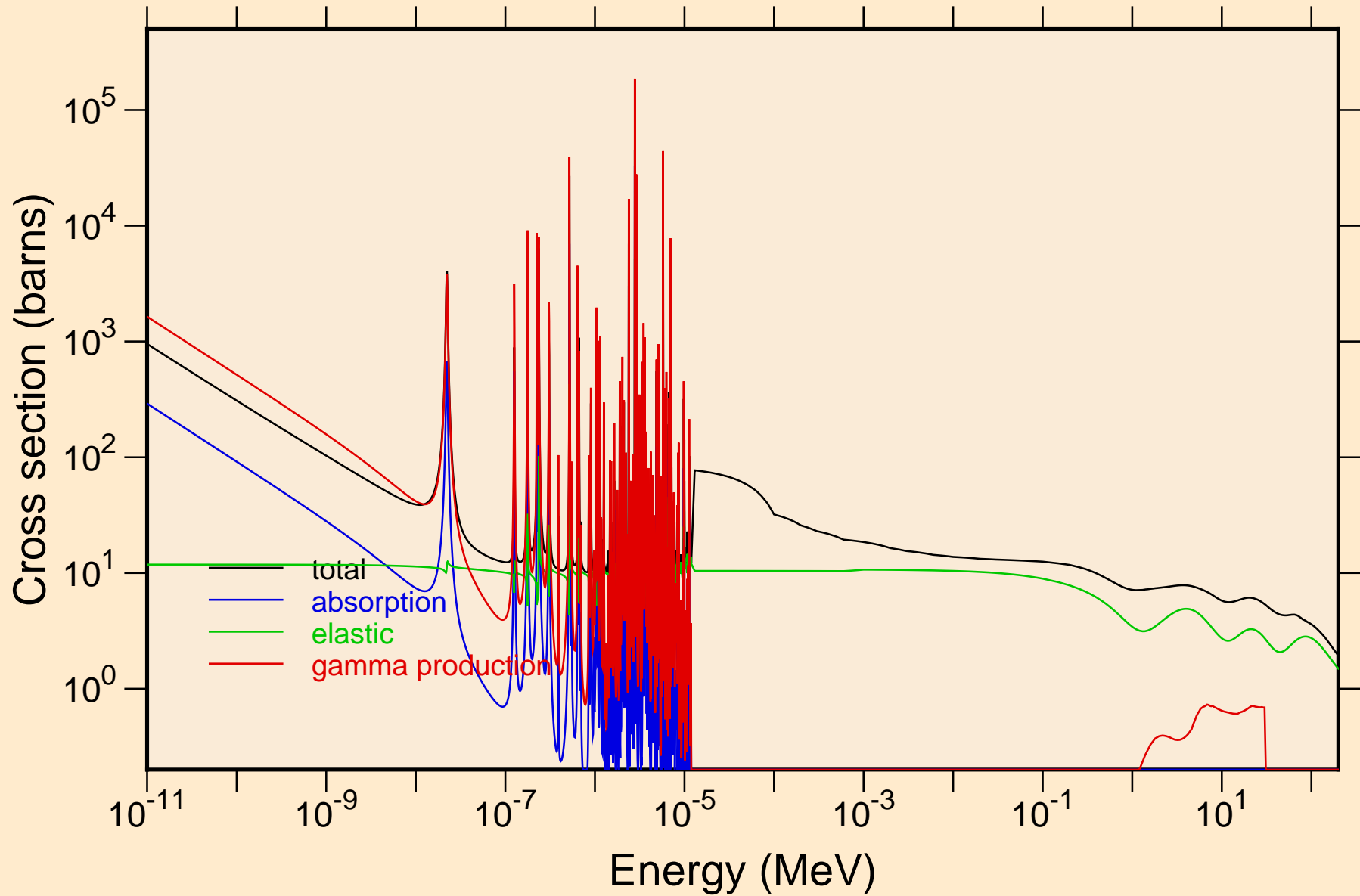
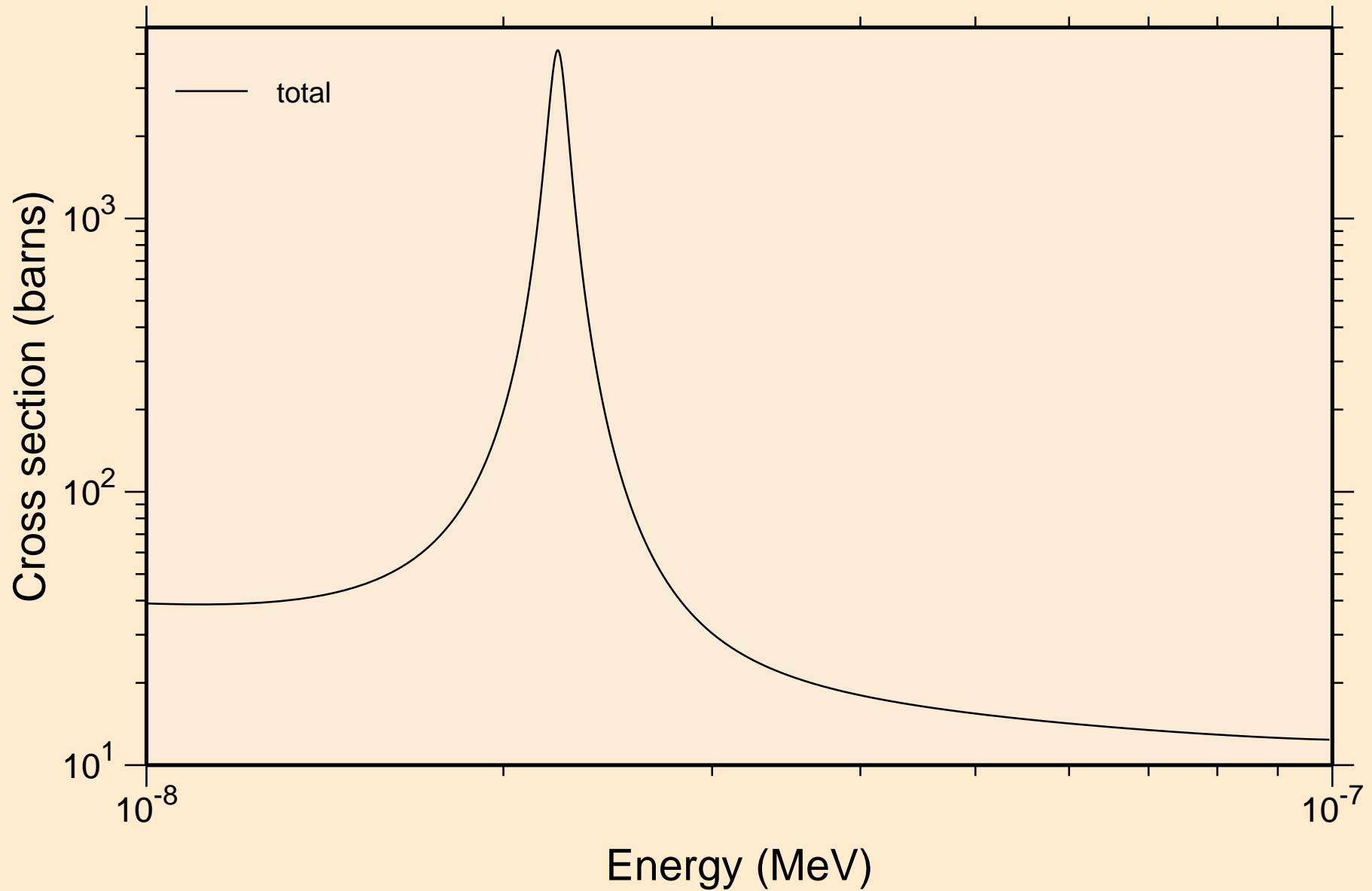


# BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

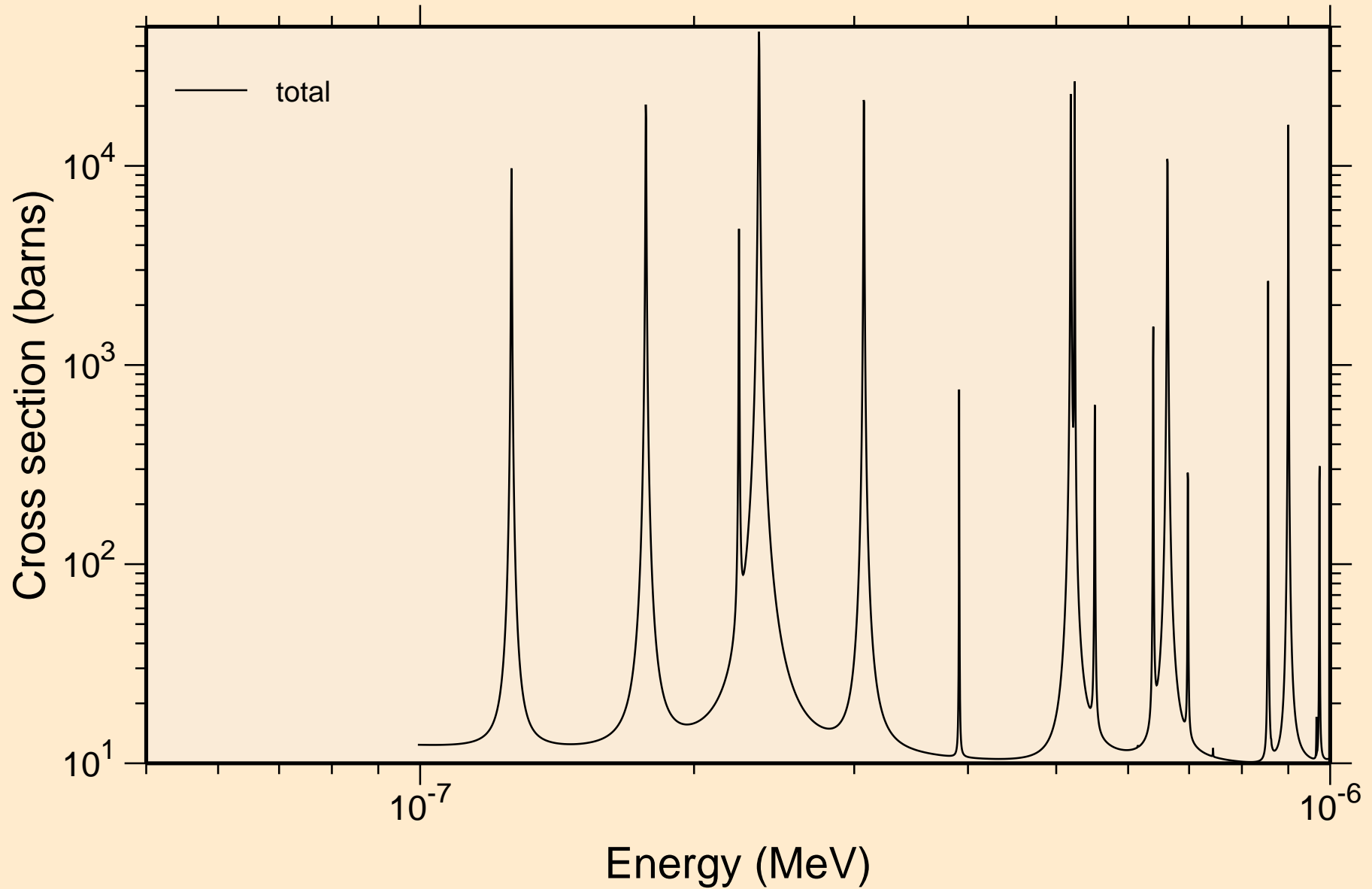
## Principal cross sections



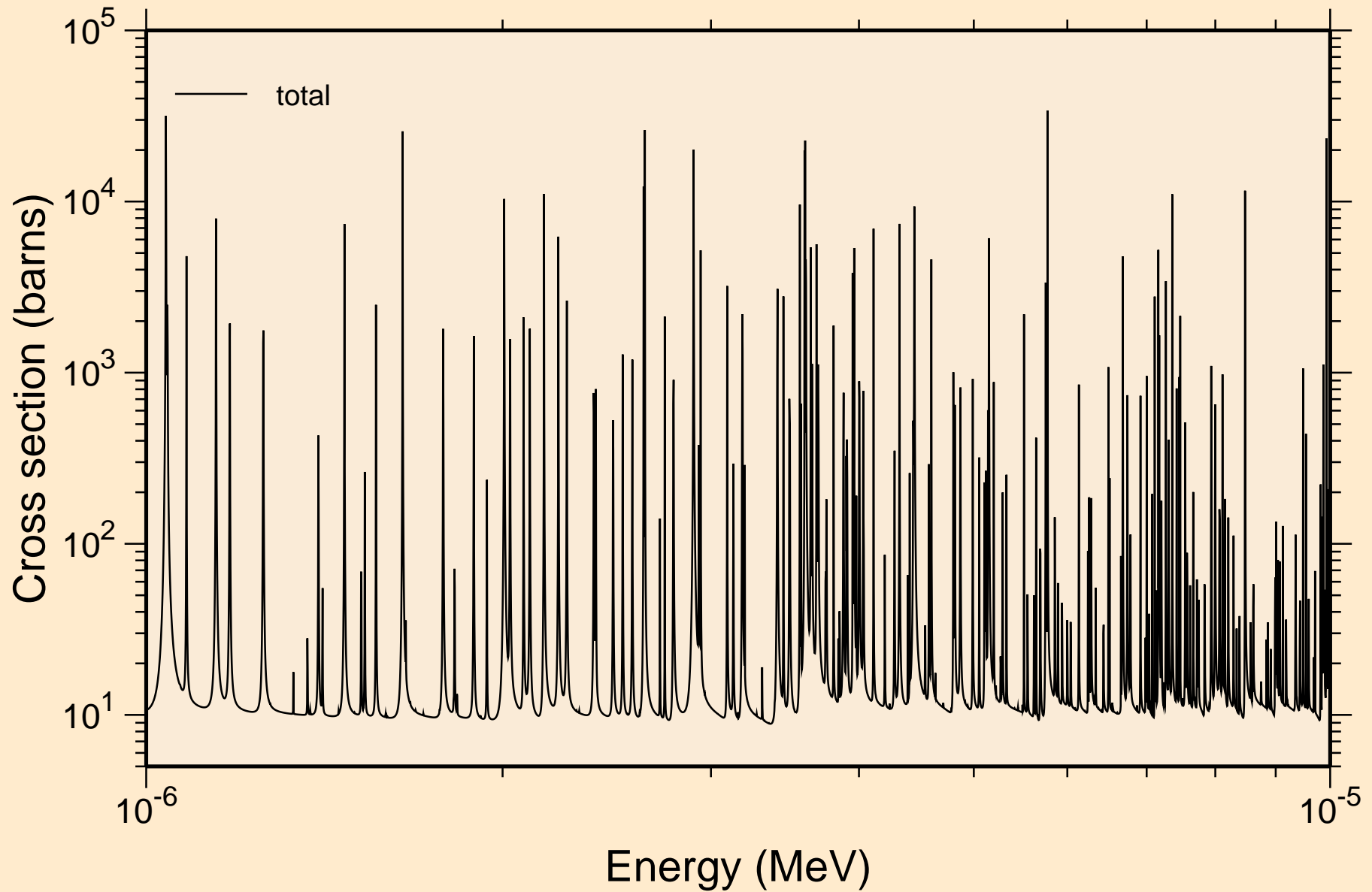
BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



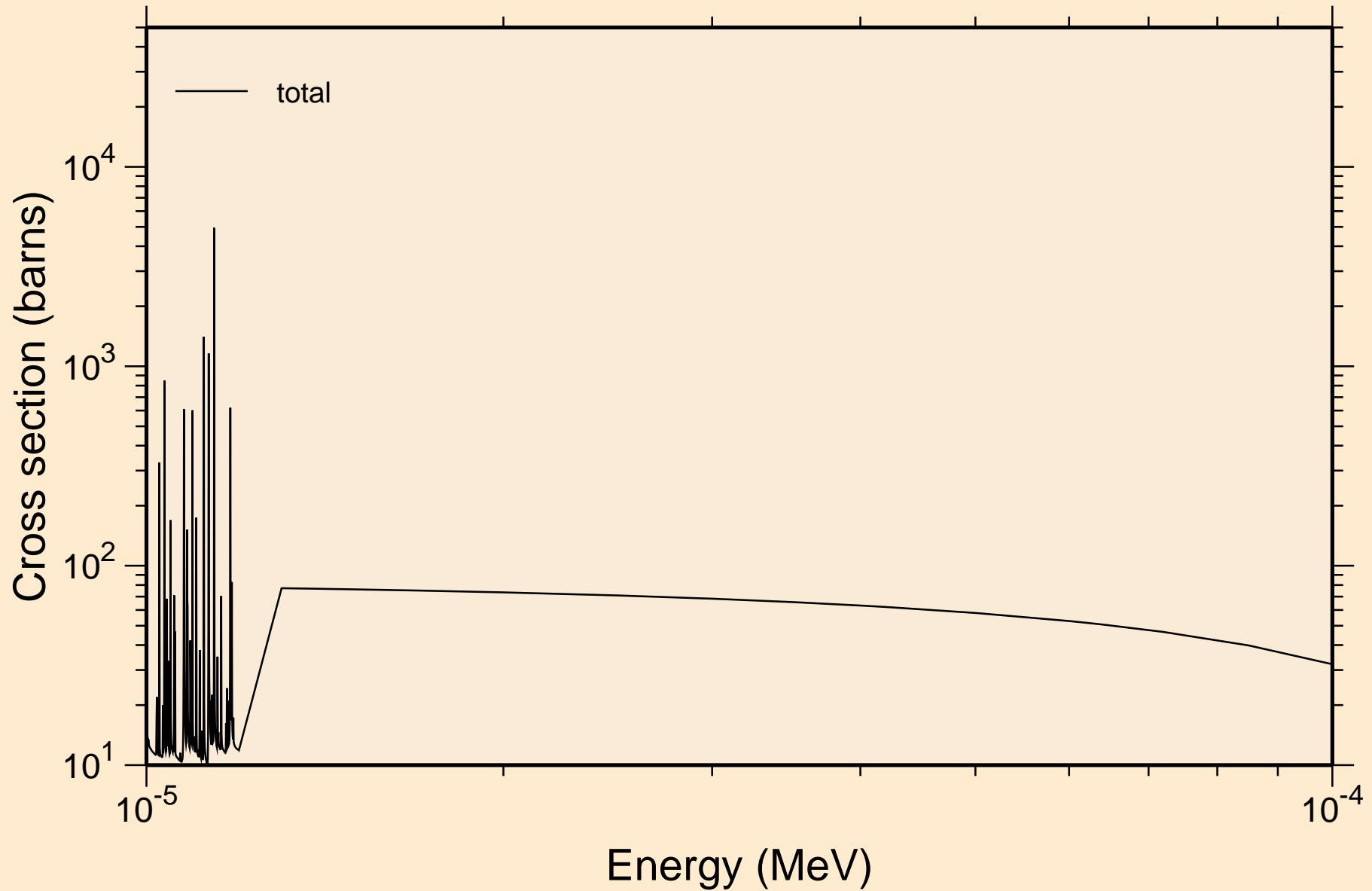
BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



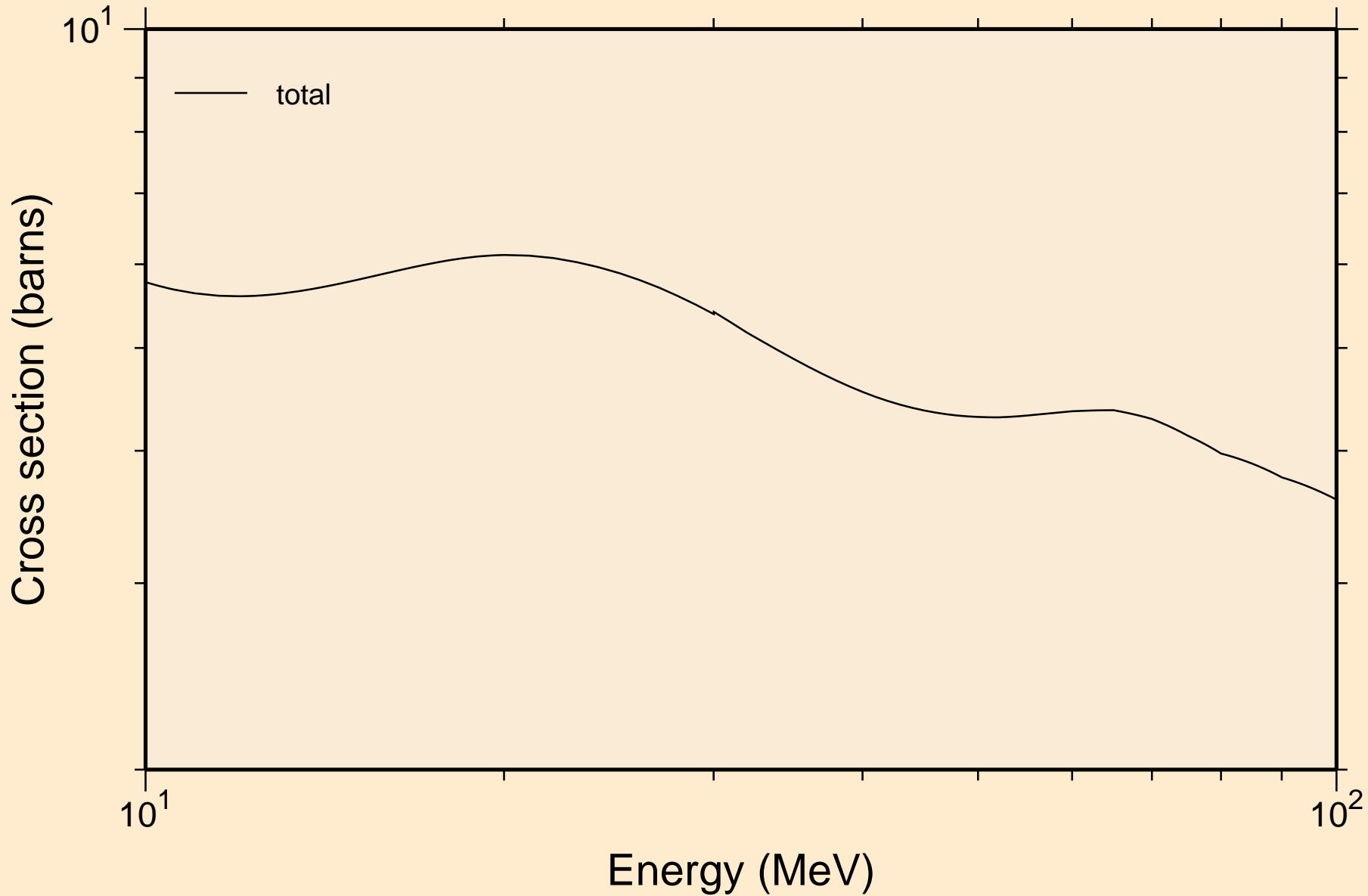
BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



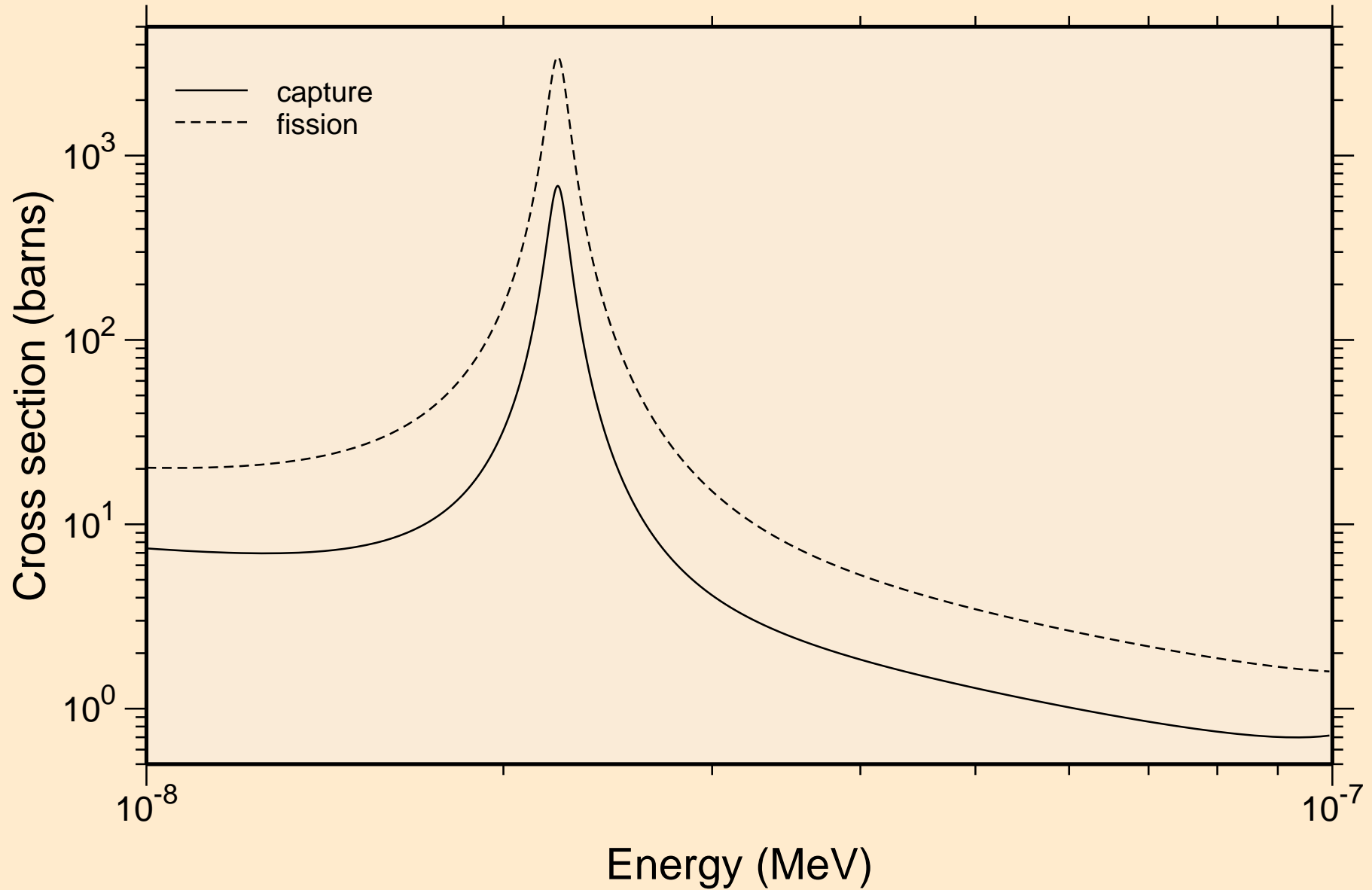
BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



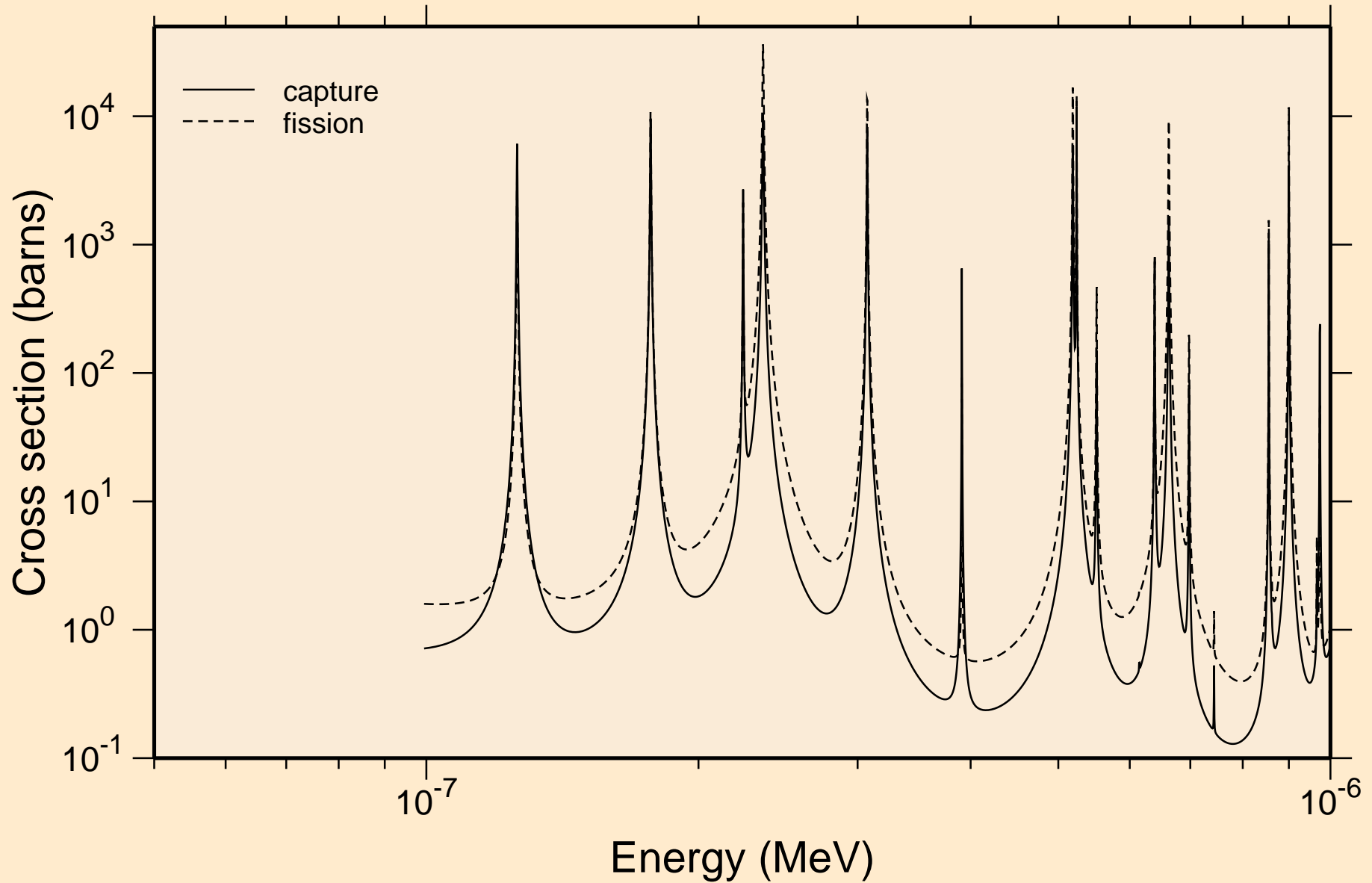
BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

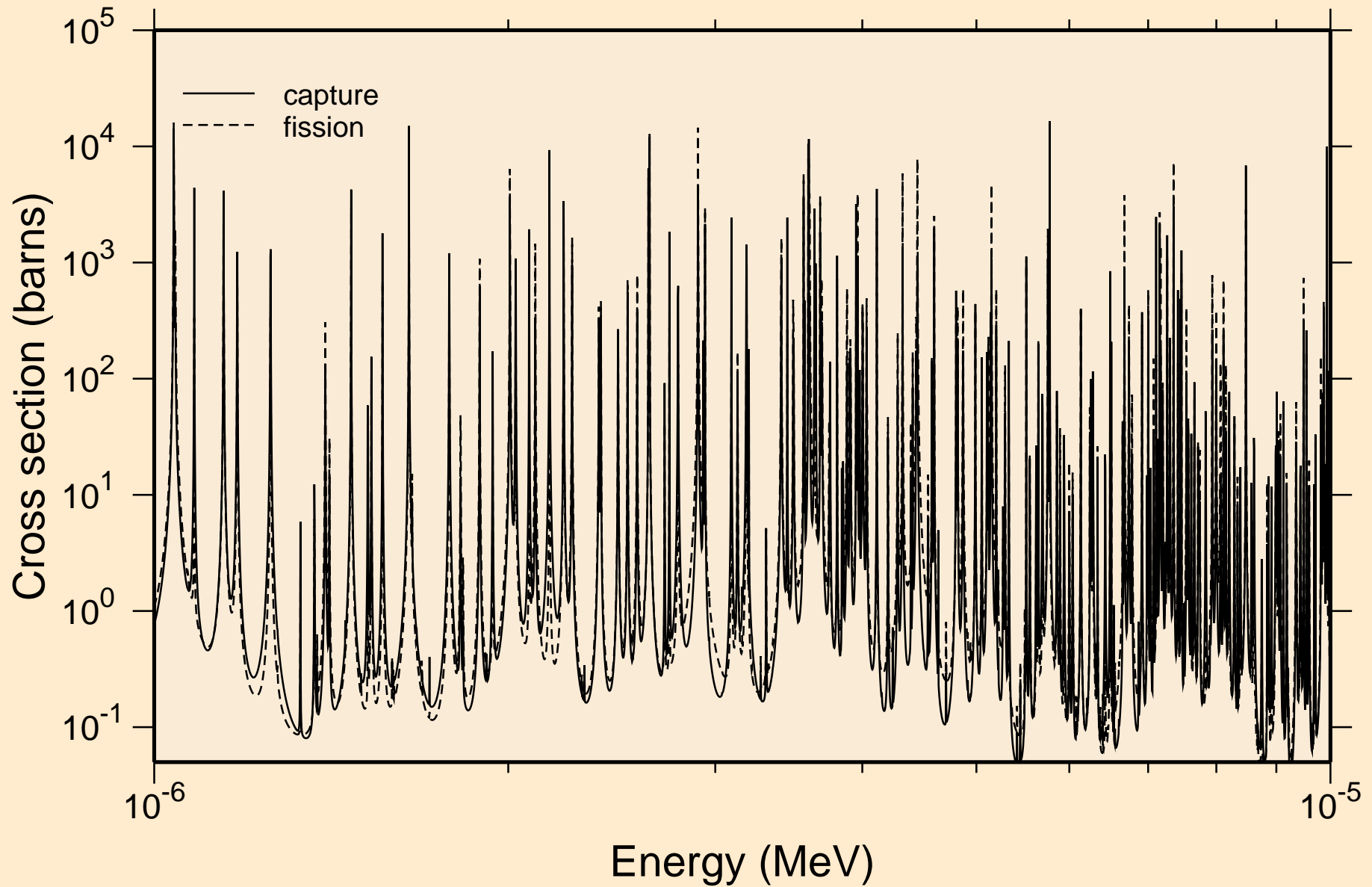


BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

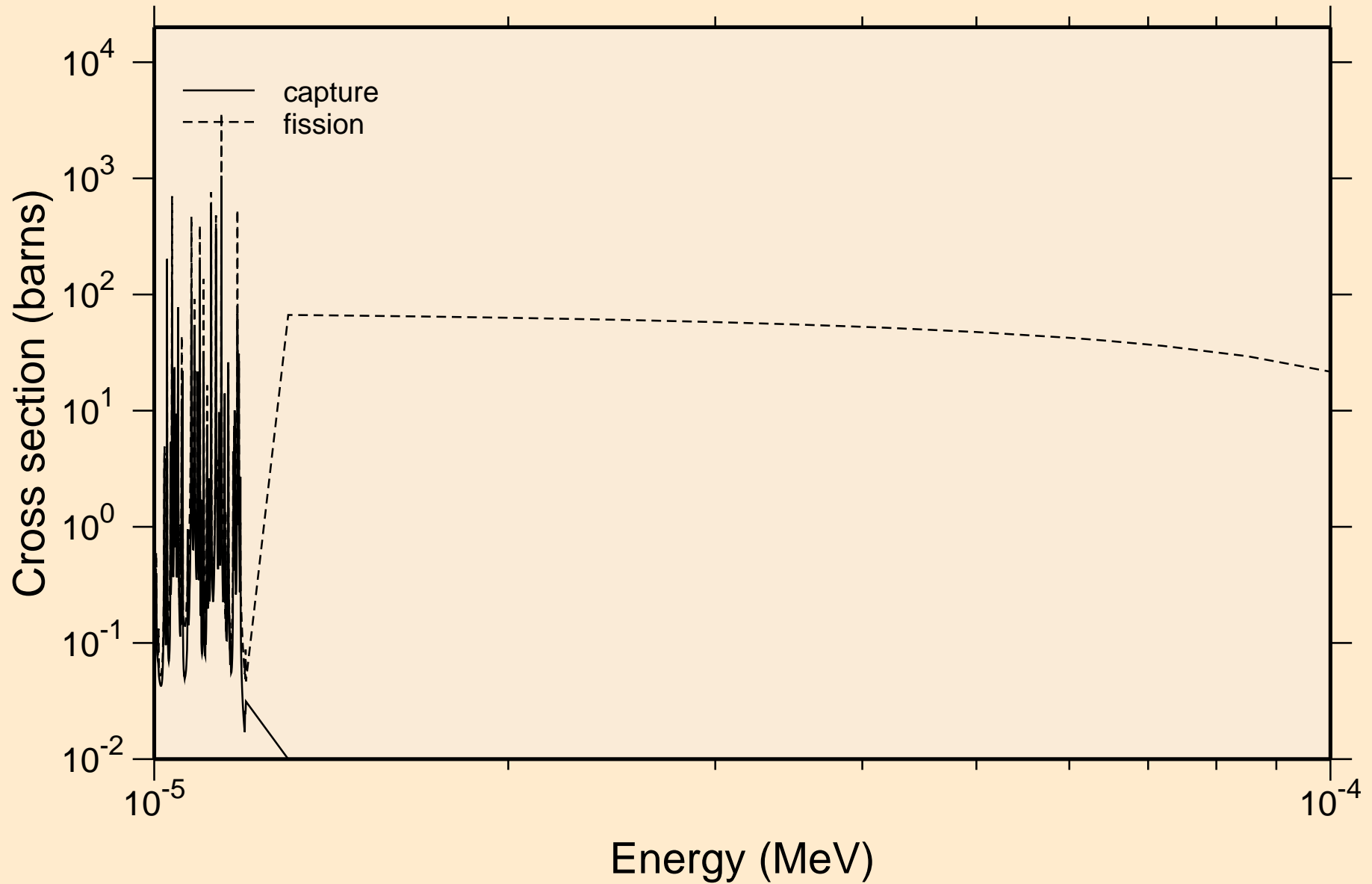




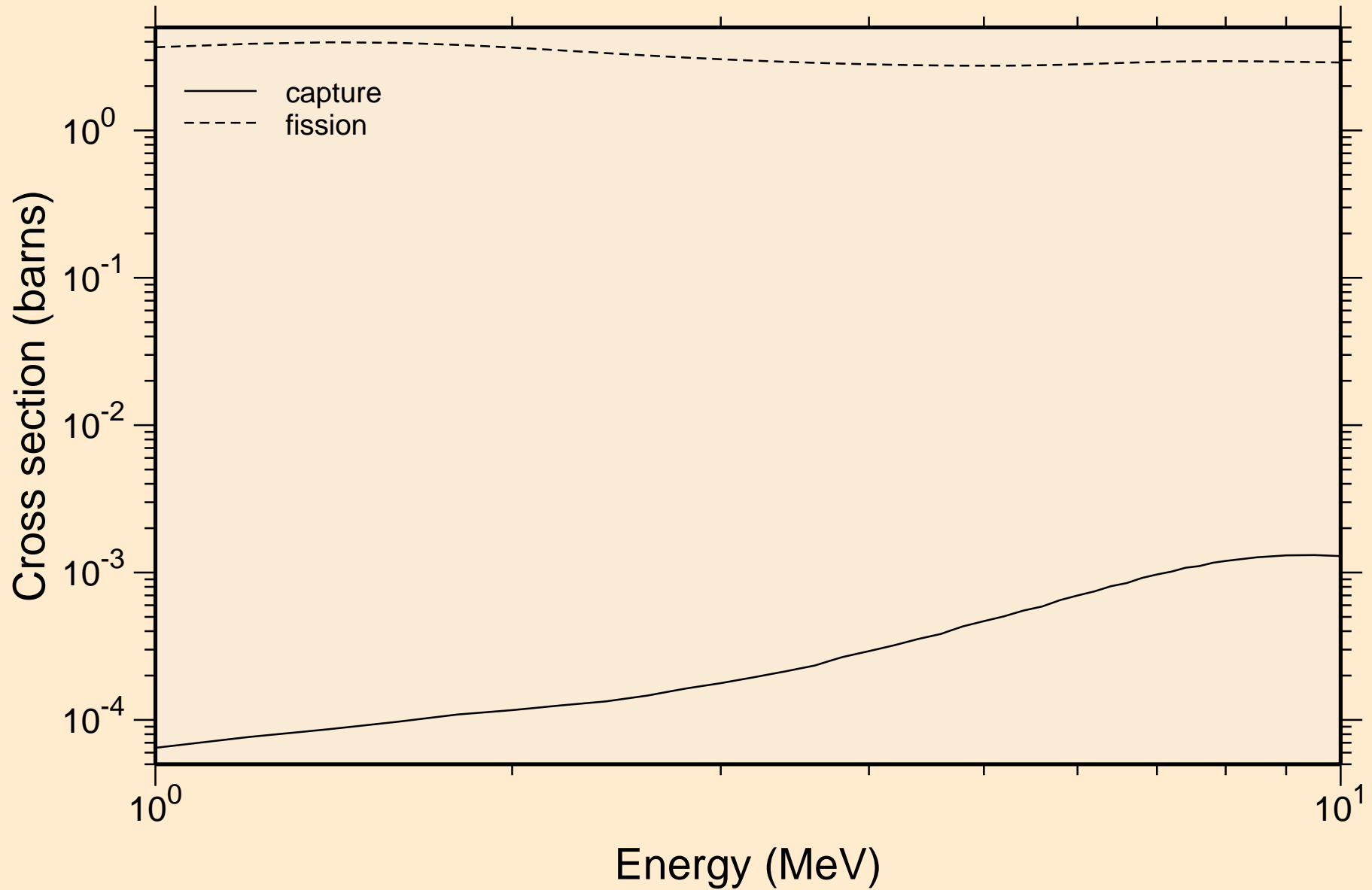
BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

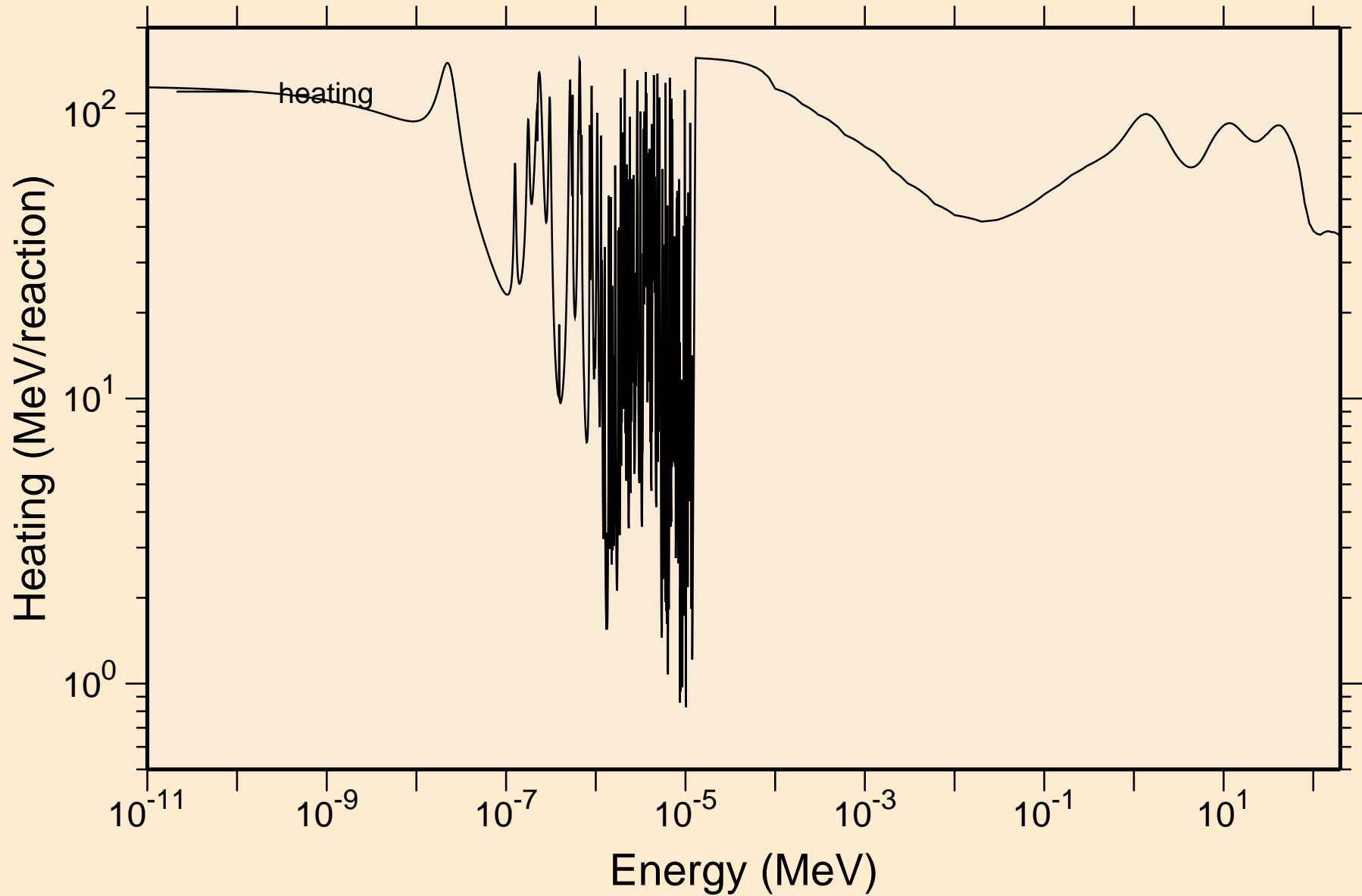


BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



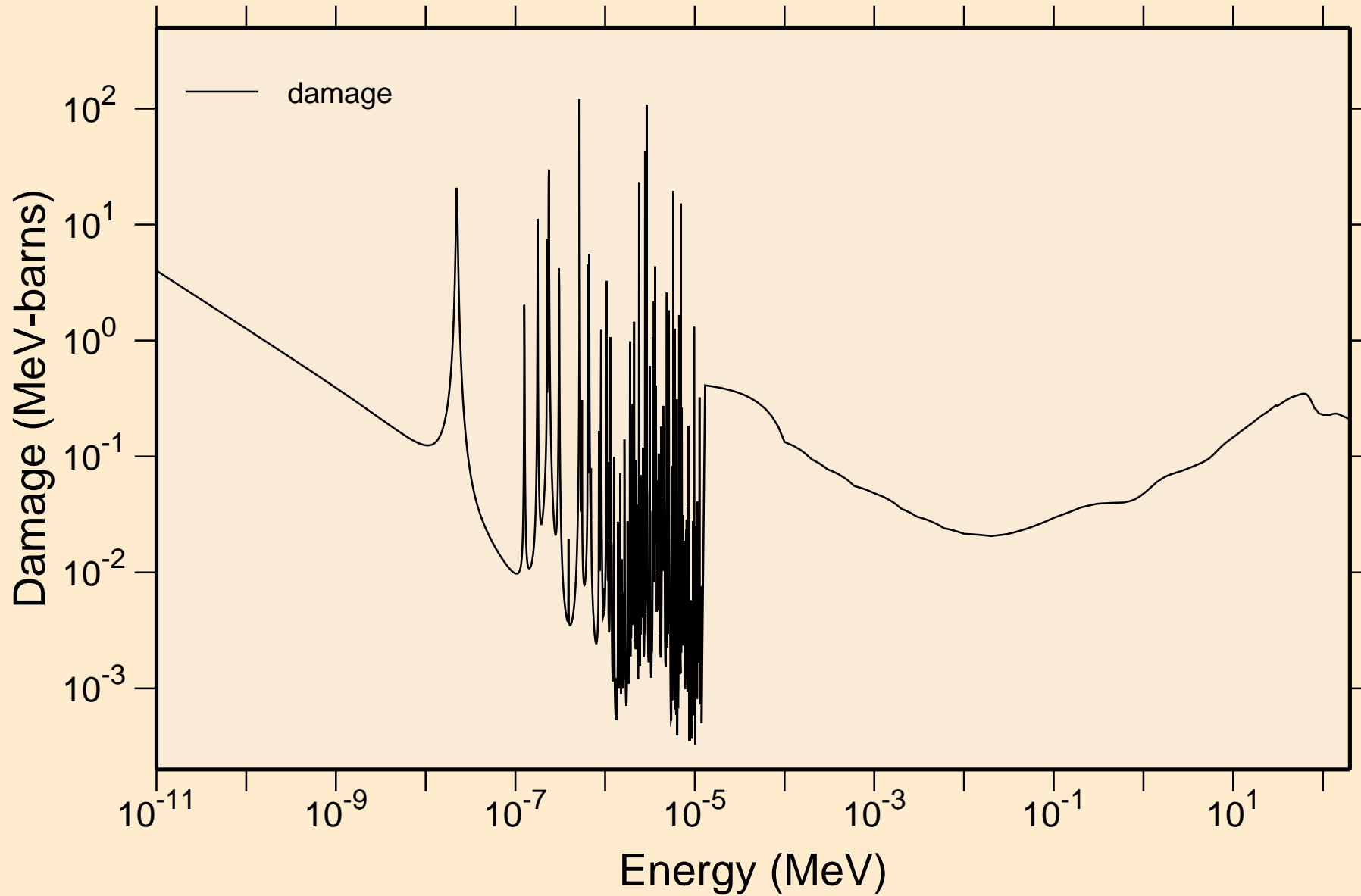
# BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Heating



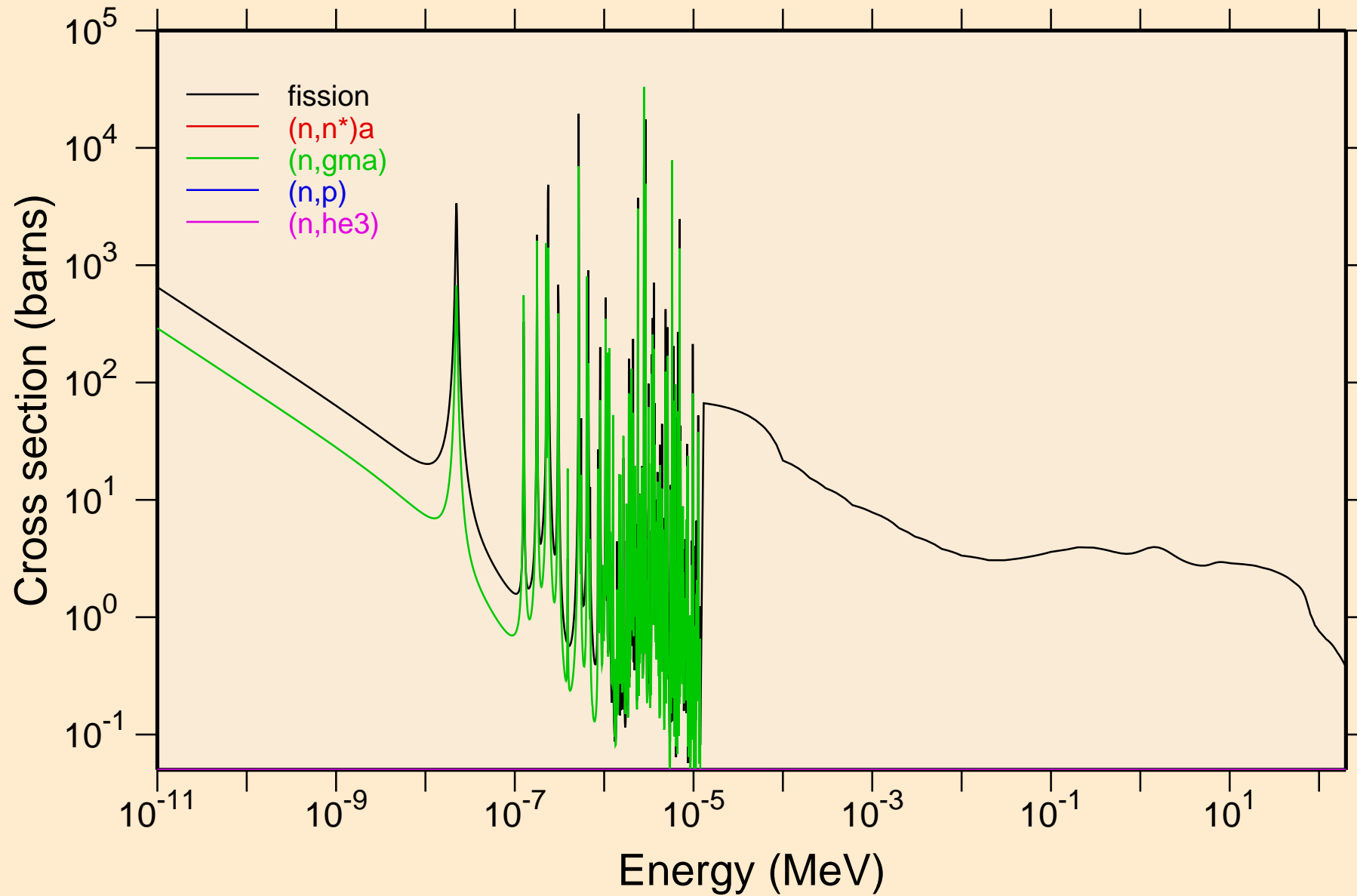
# BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Damage

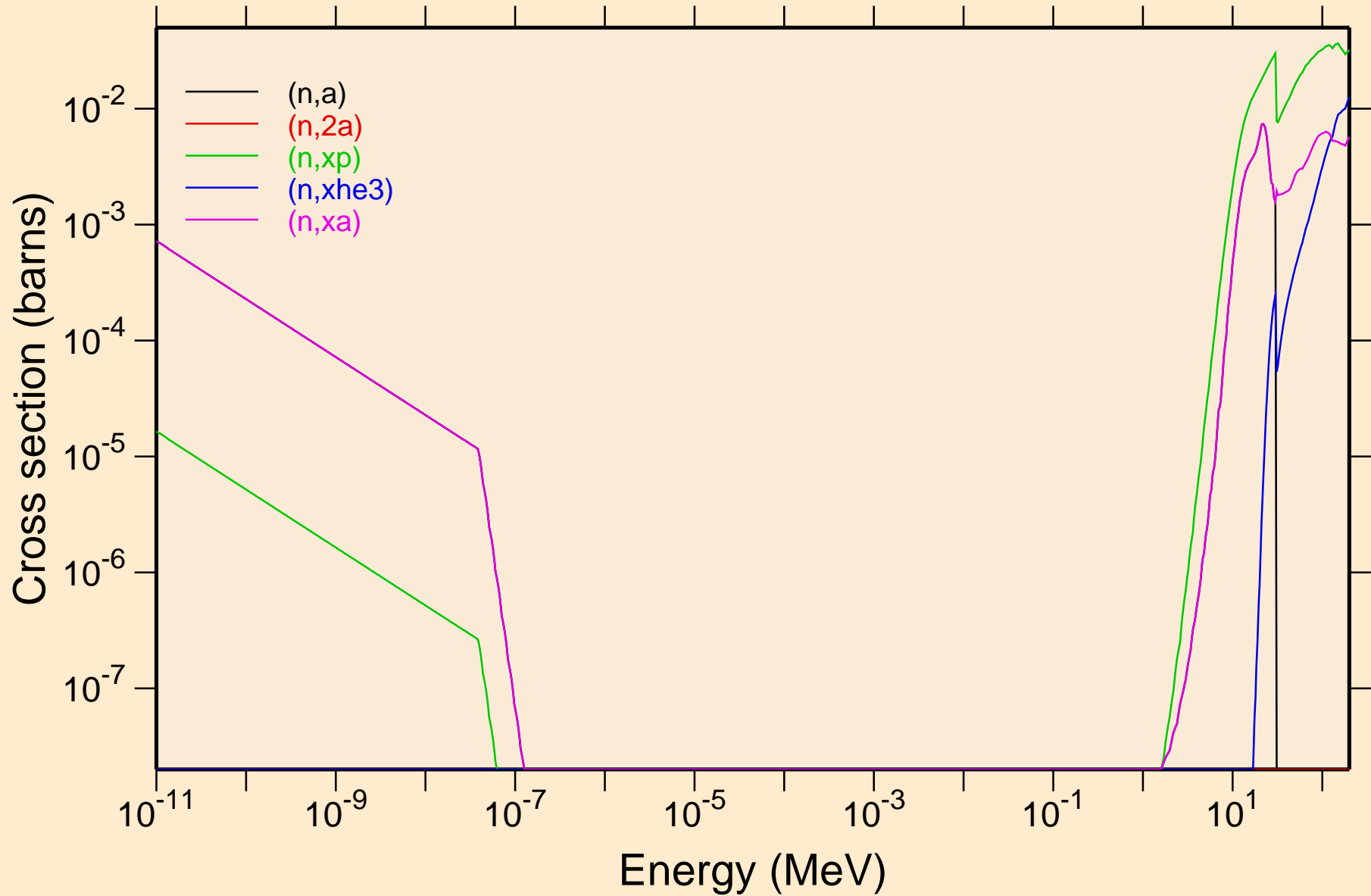


# BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Non-threshold reactions

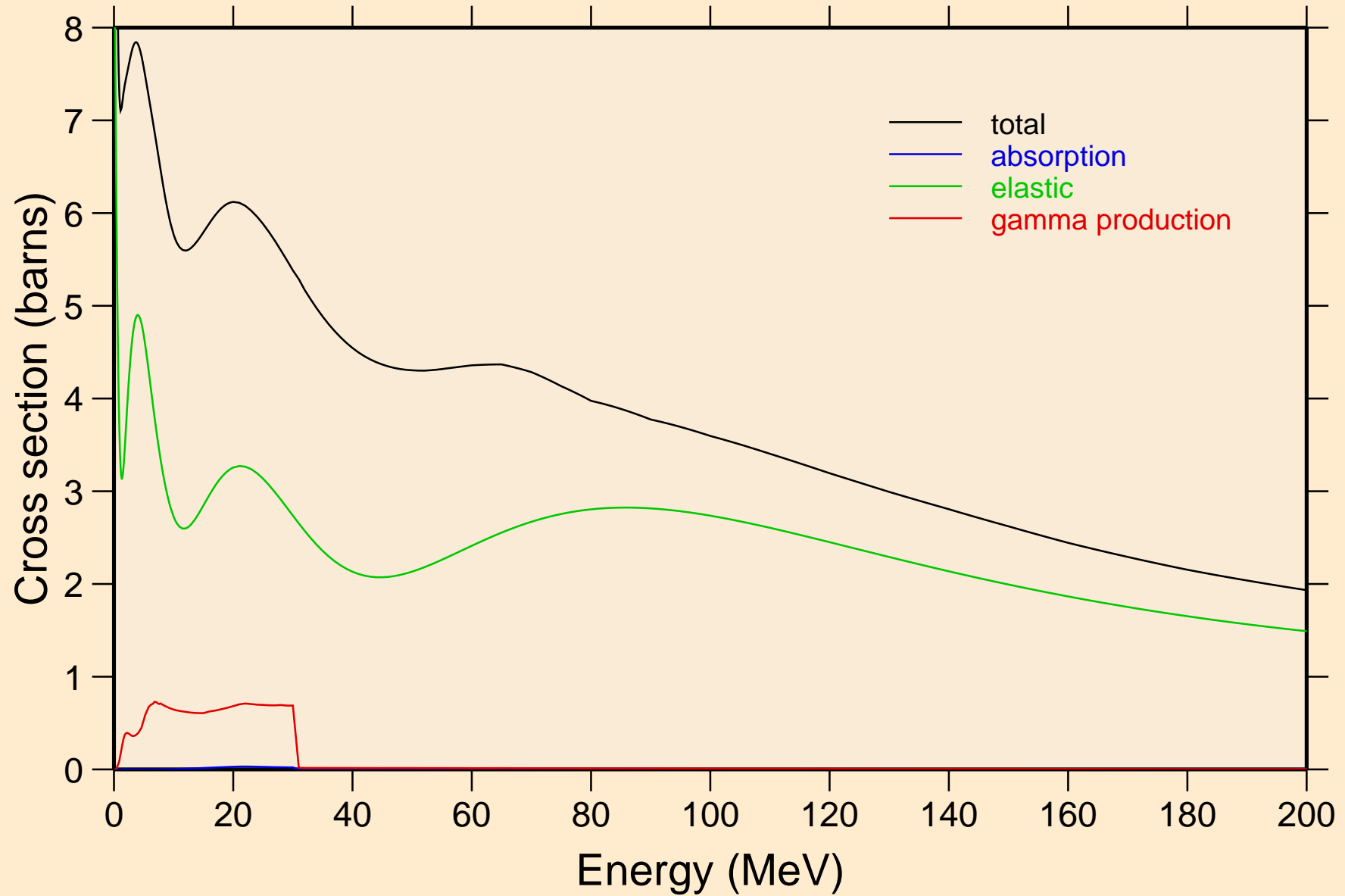


BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



# BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

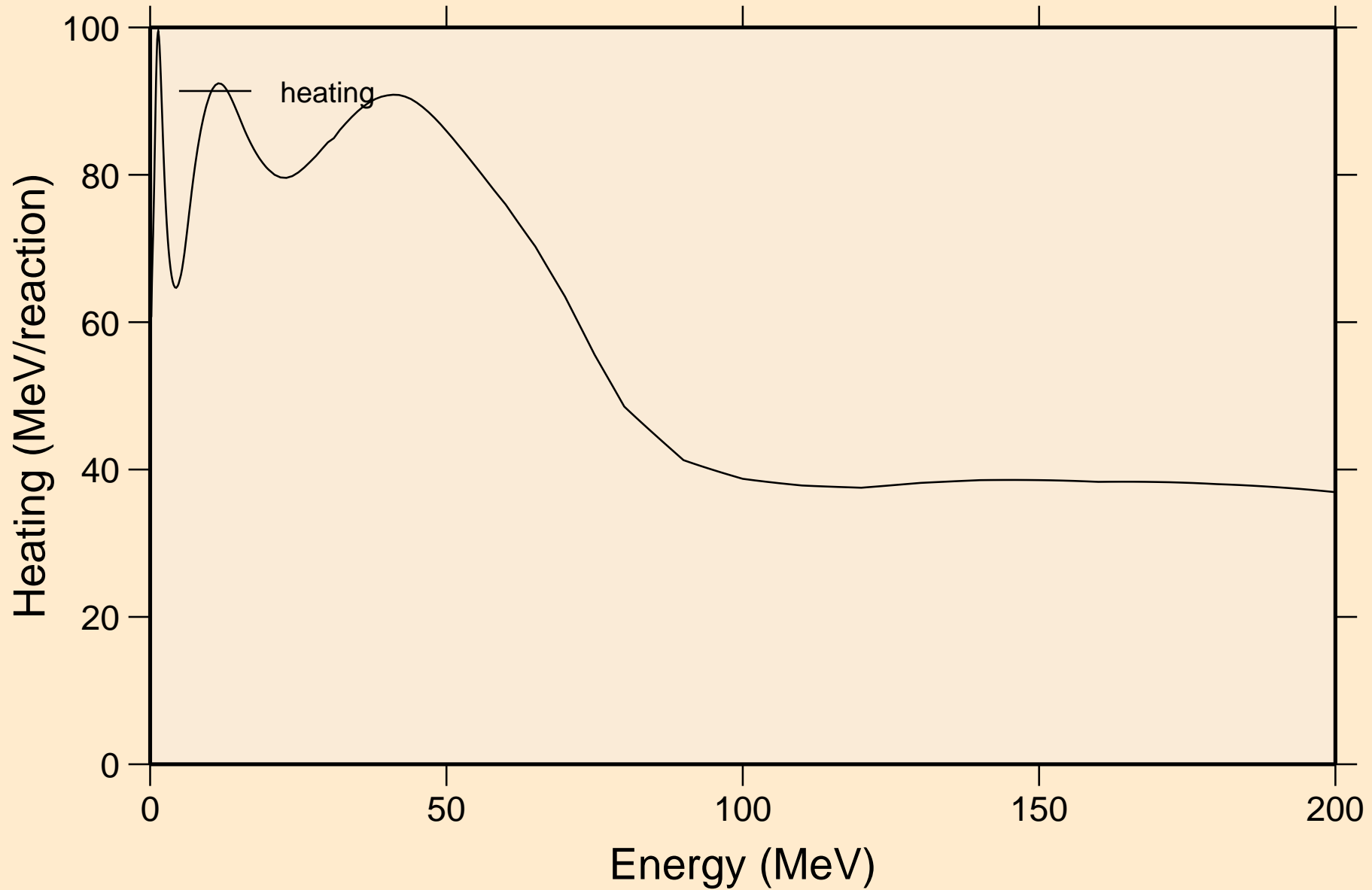
## Principal cross sections



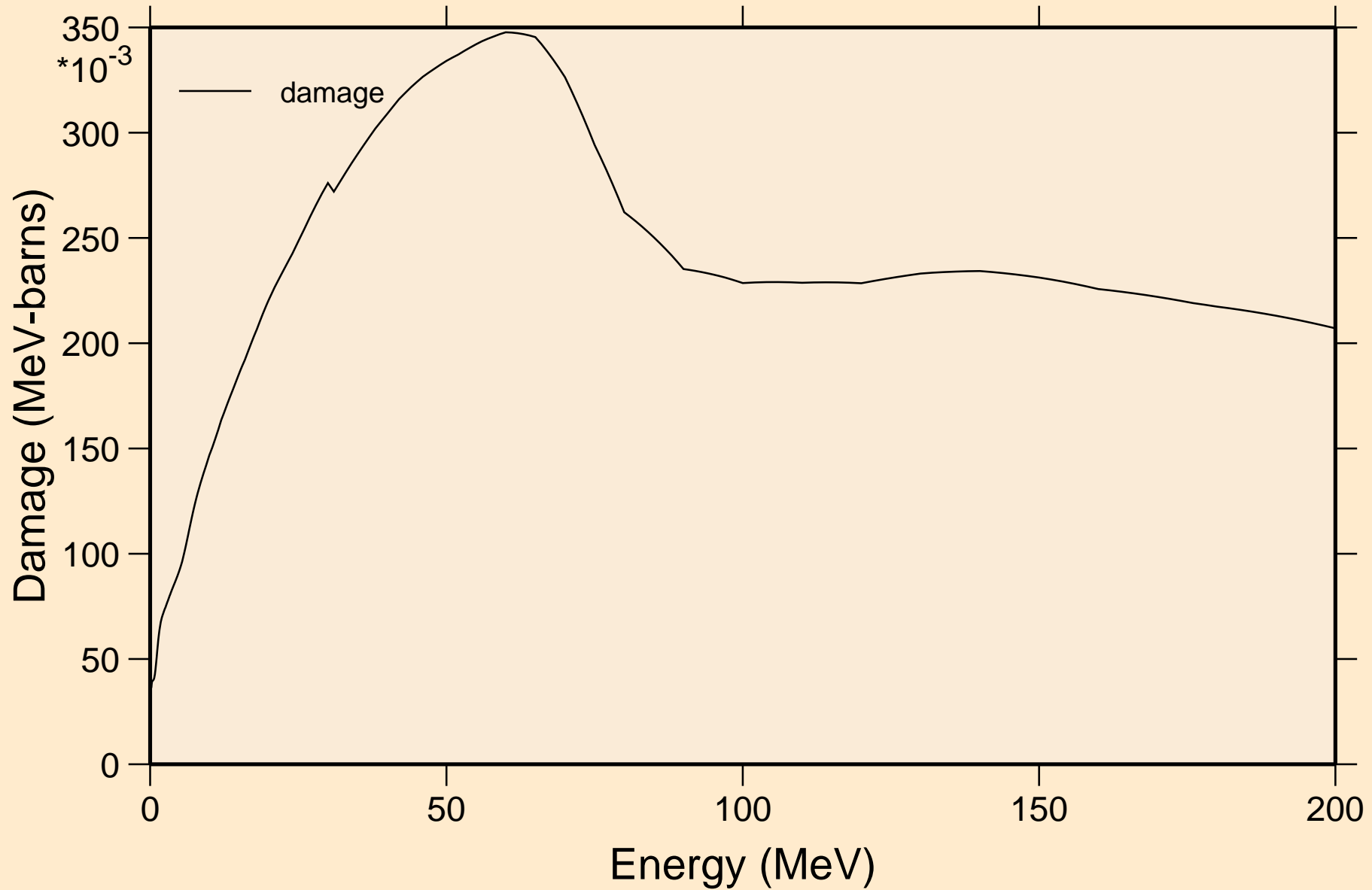


# BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Heating

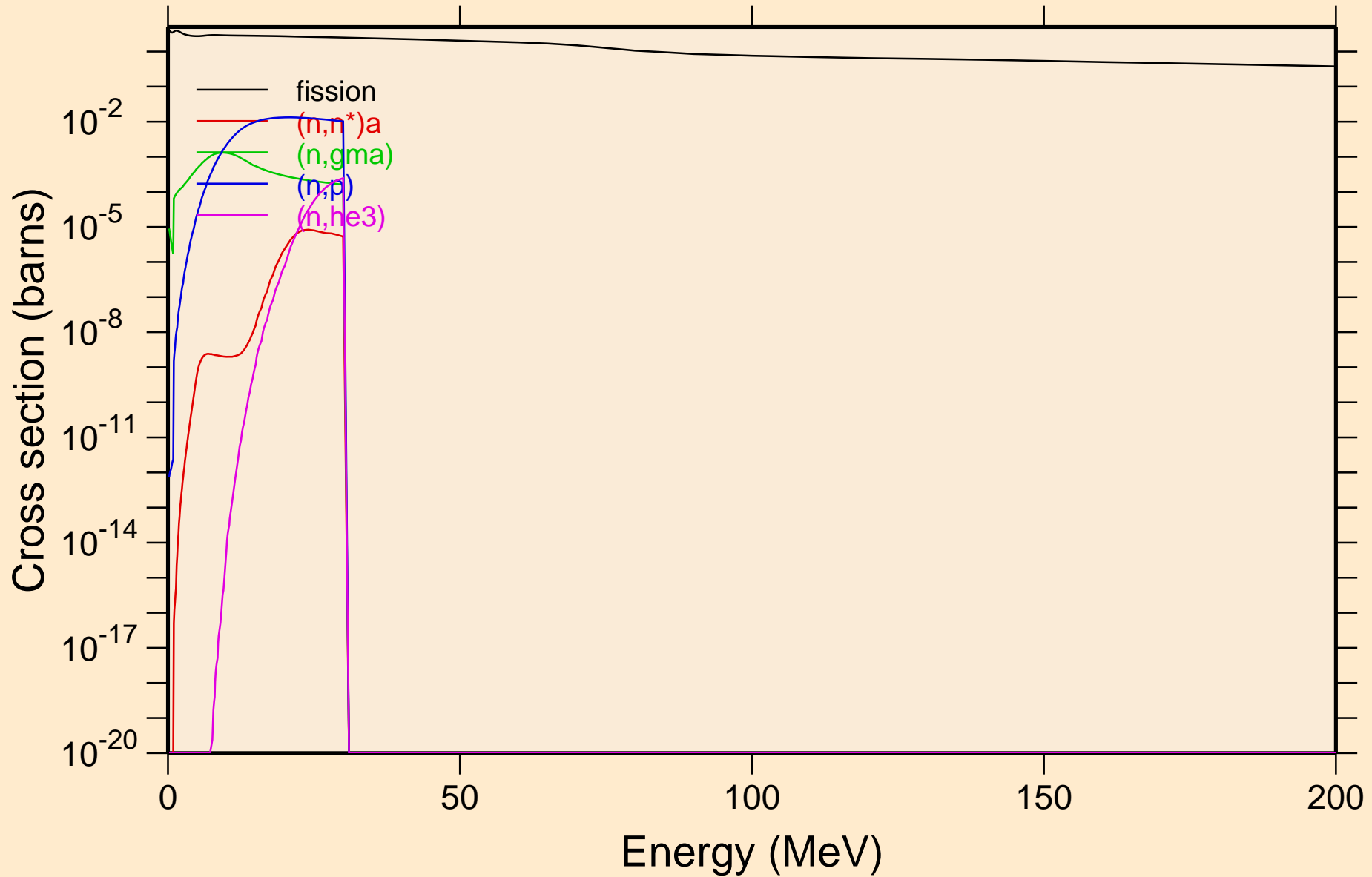


BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Damage

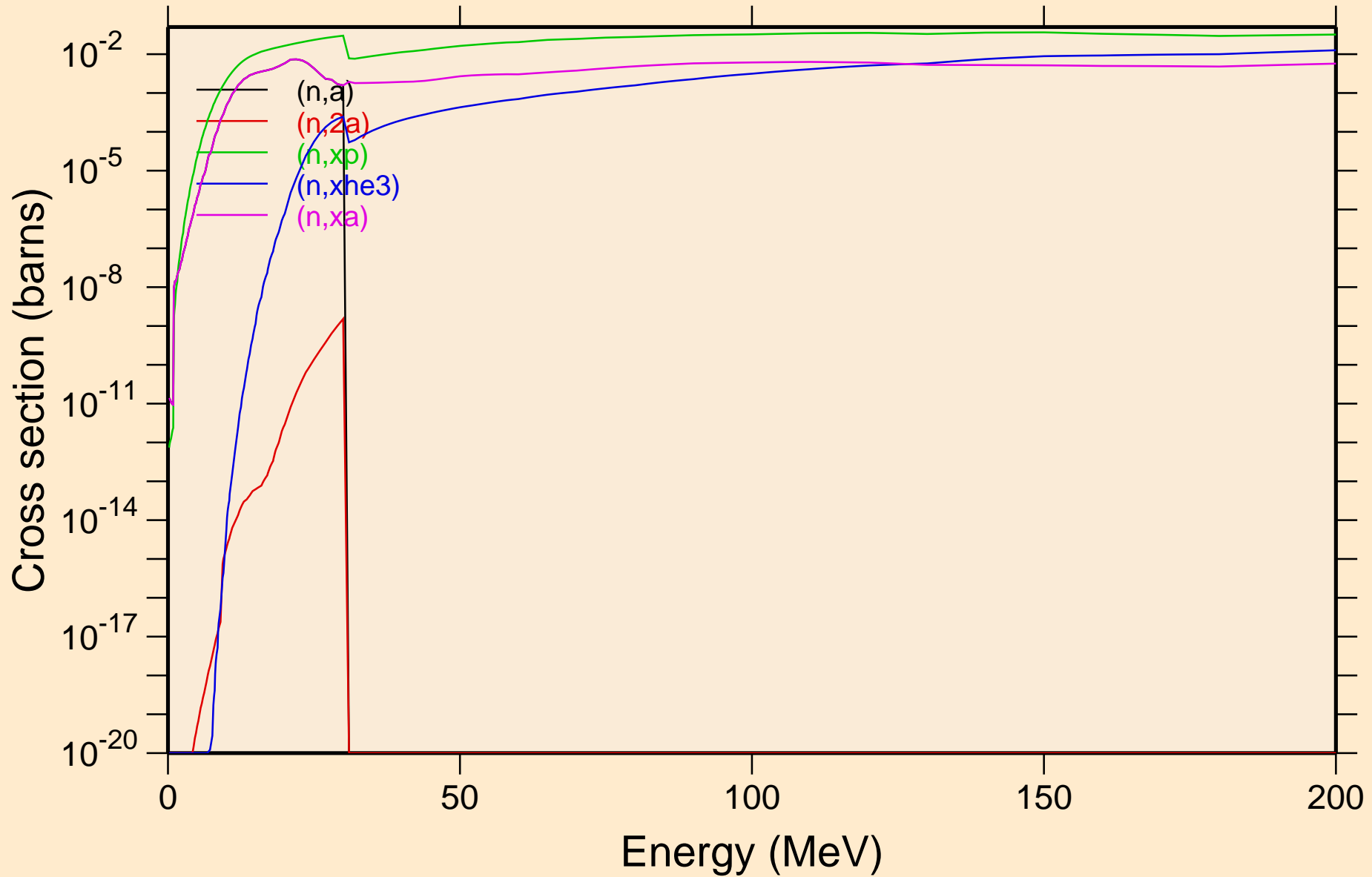


# BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

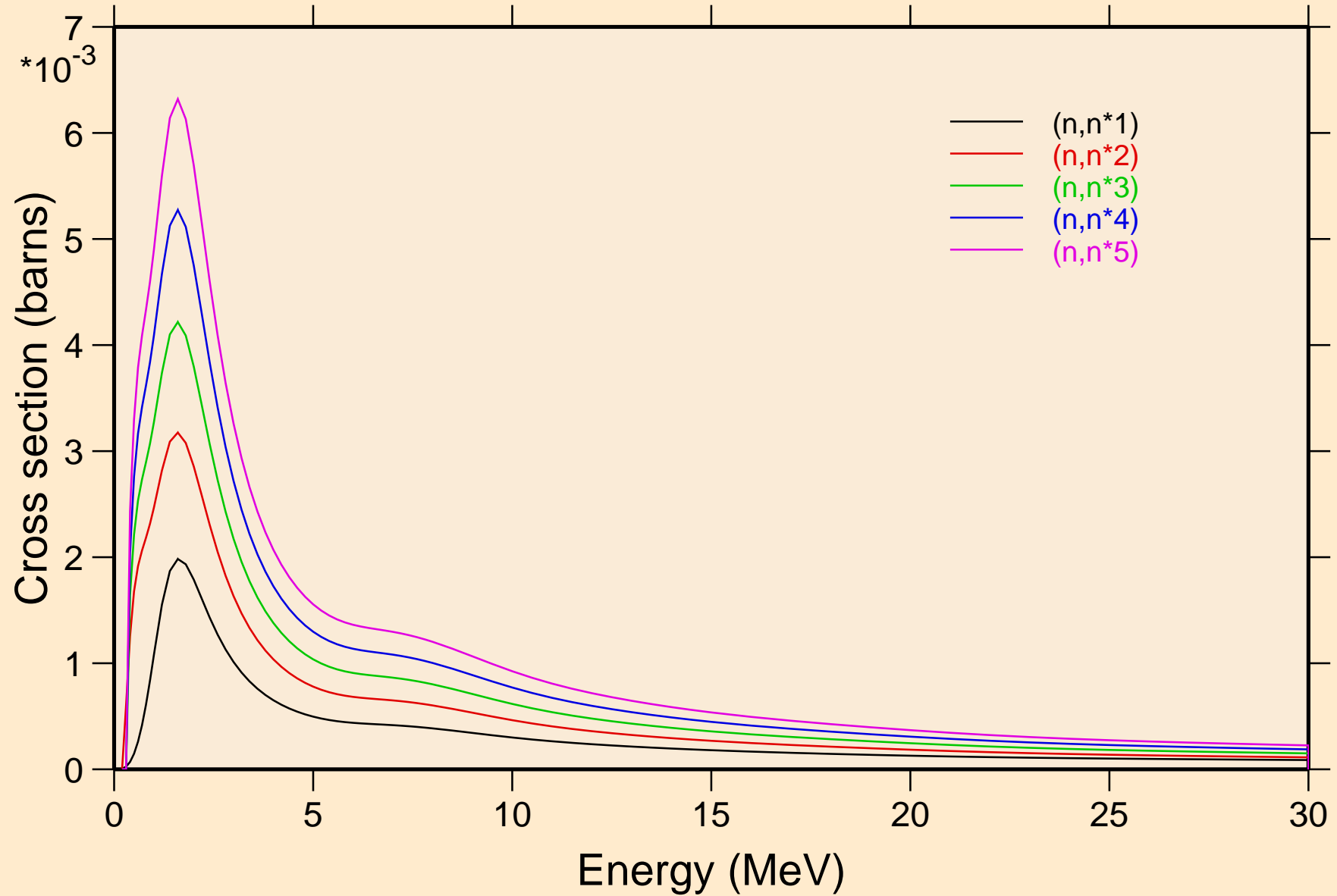
## Non-threshold reactions



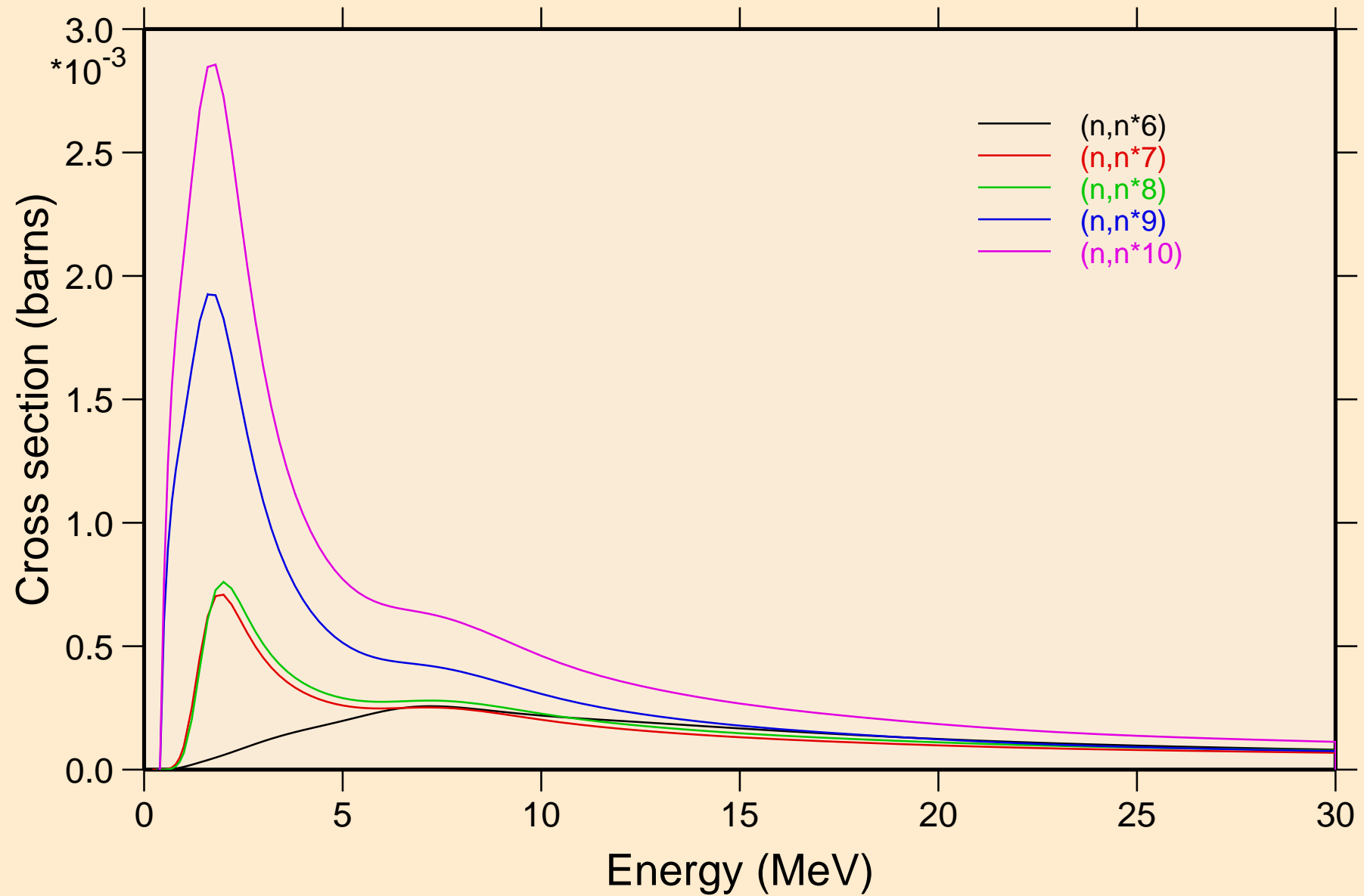
BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



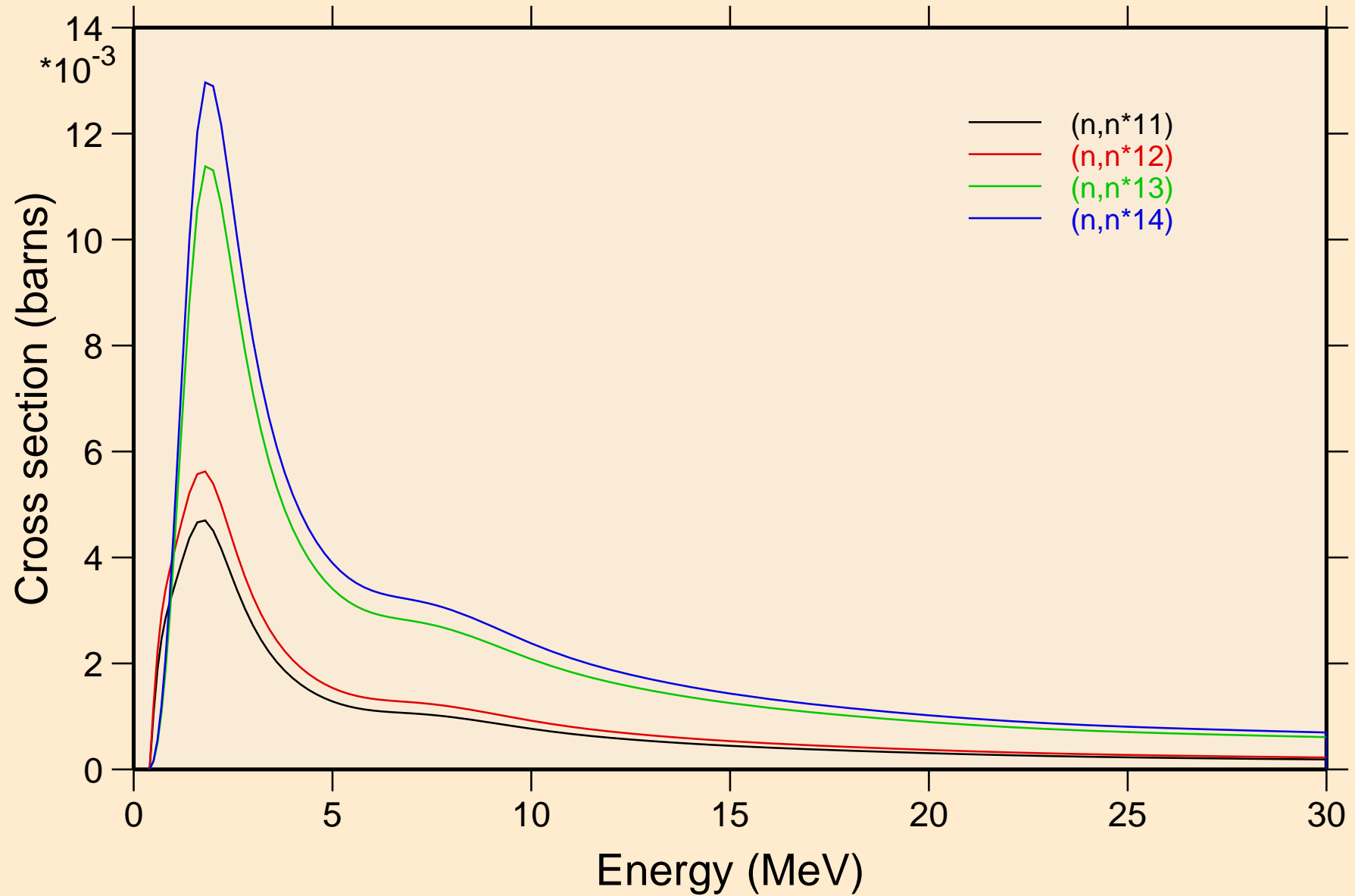
BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



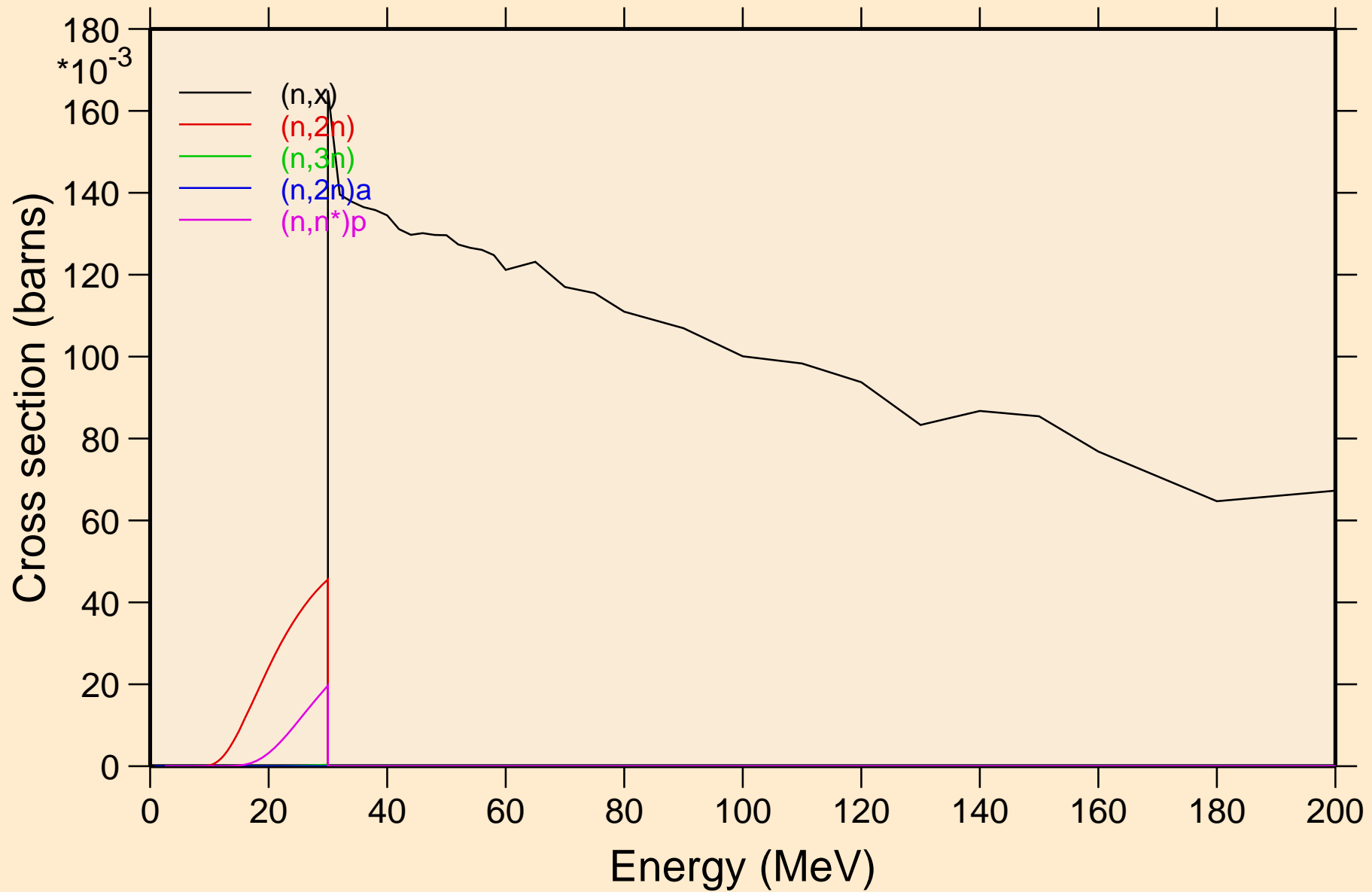
BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



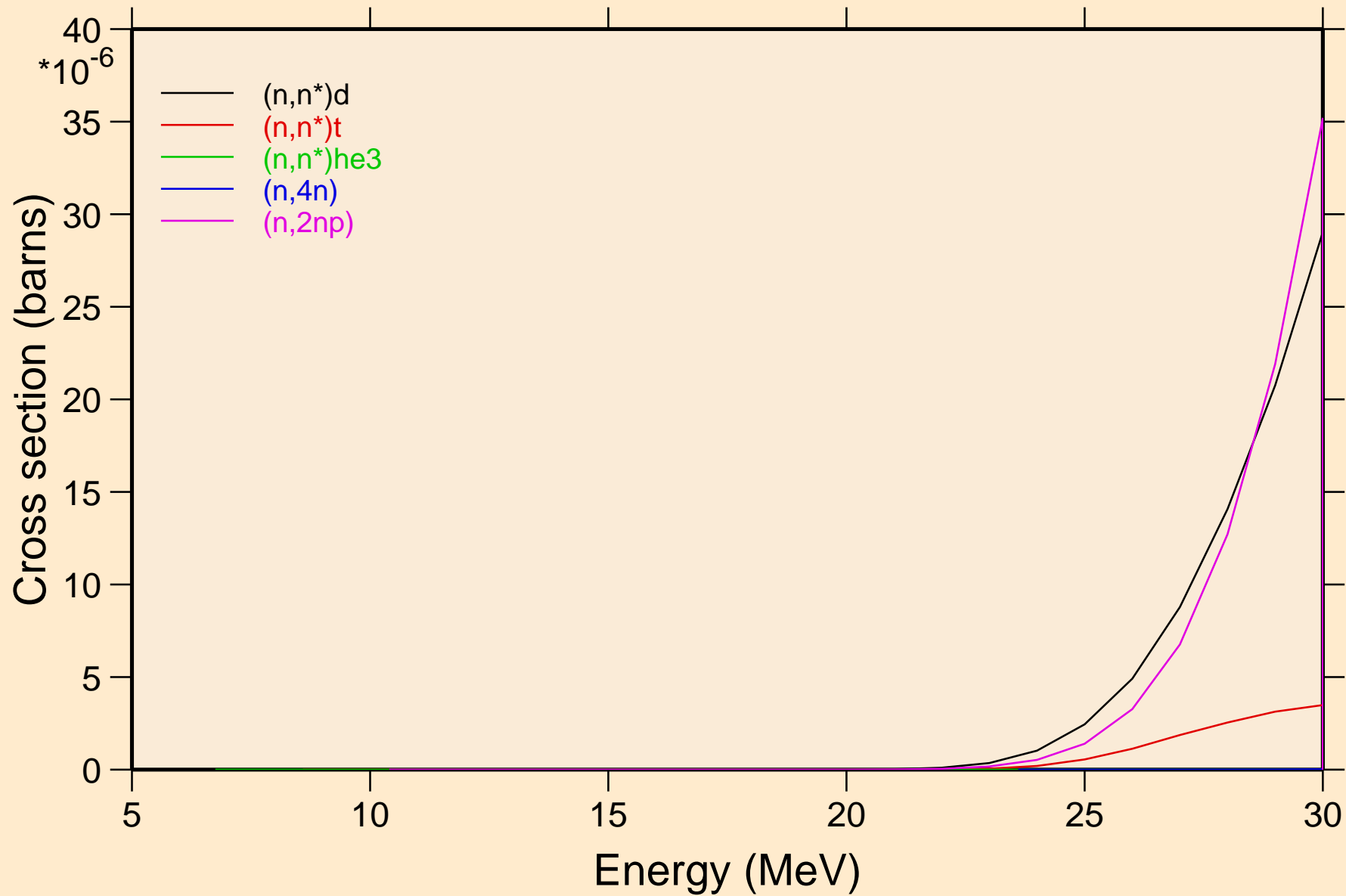
BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



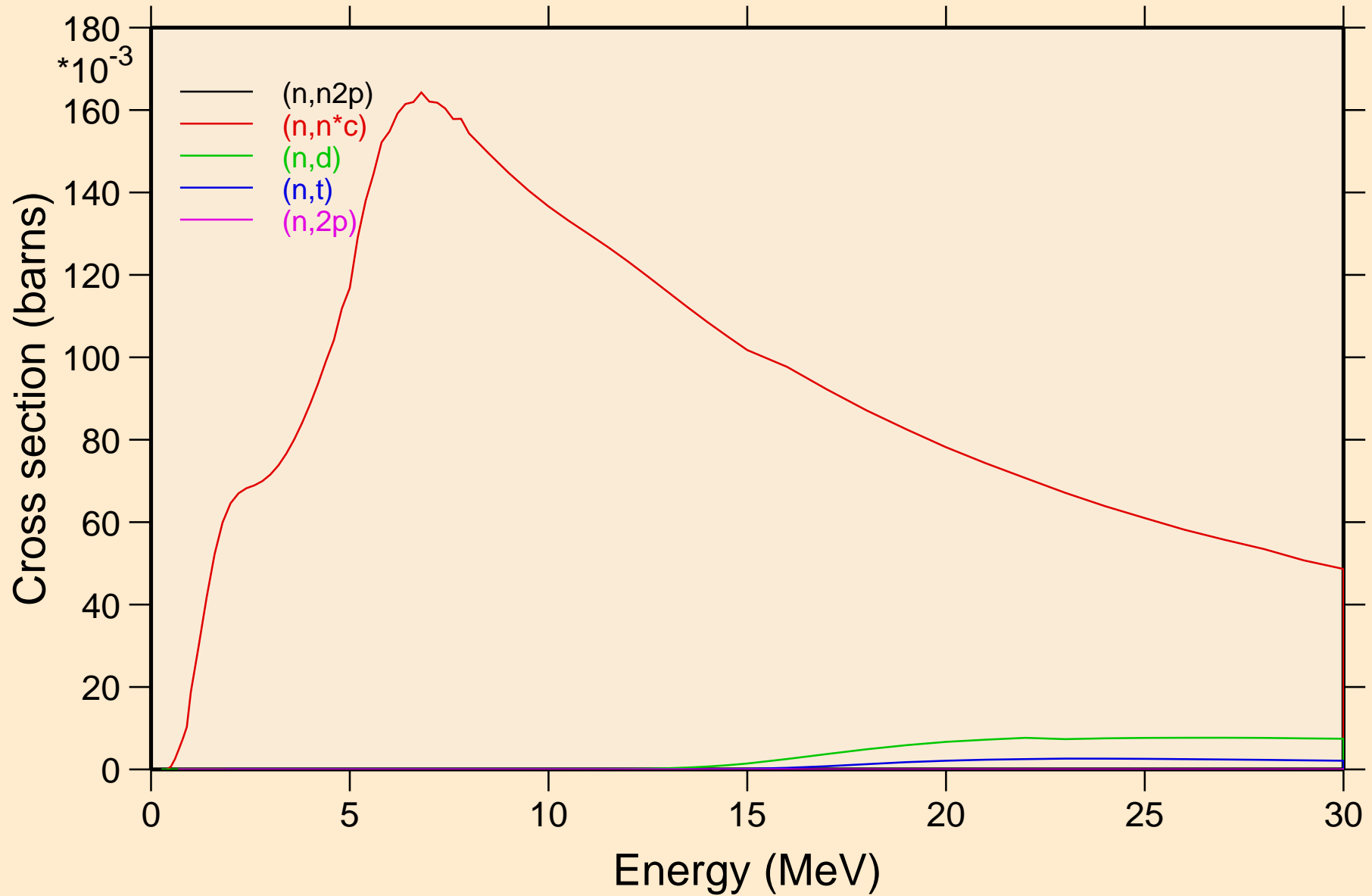


# BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

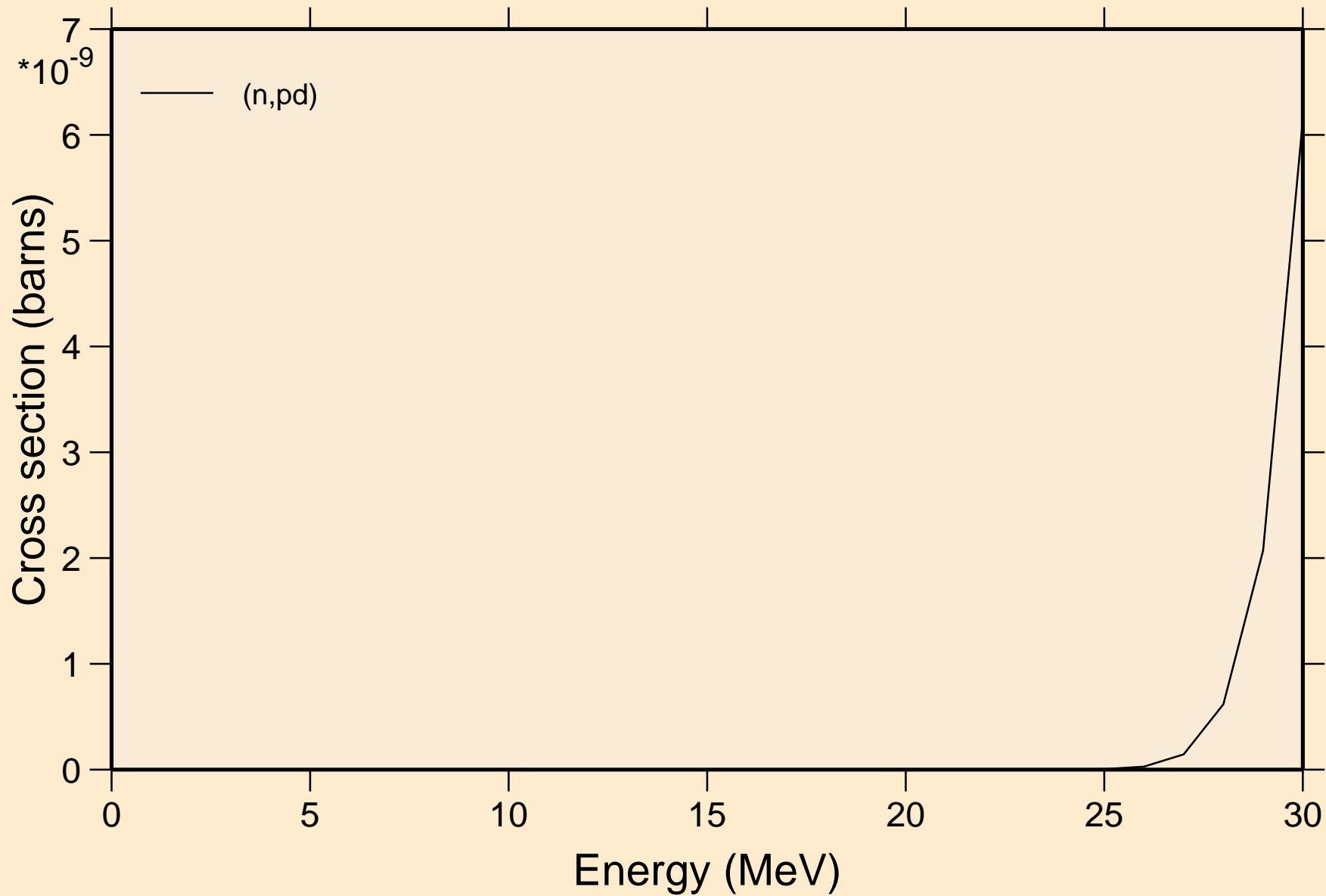
## Threshold reactions



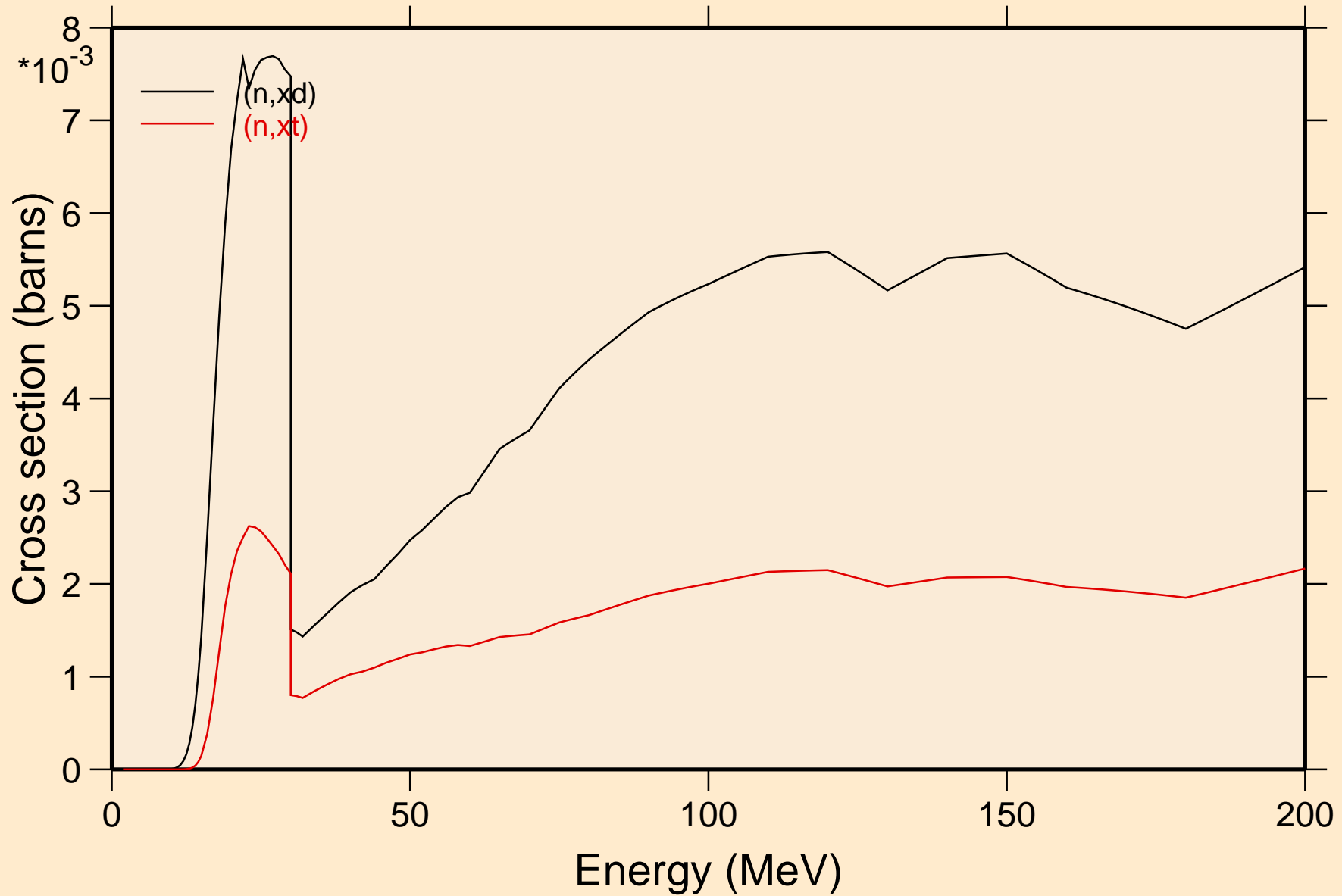
BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



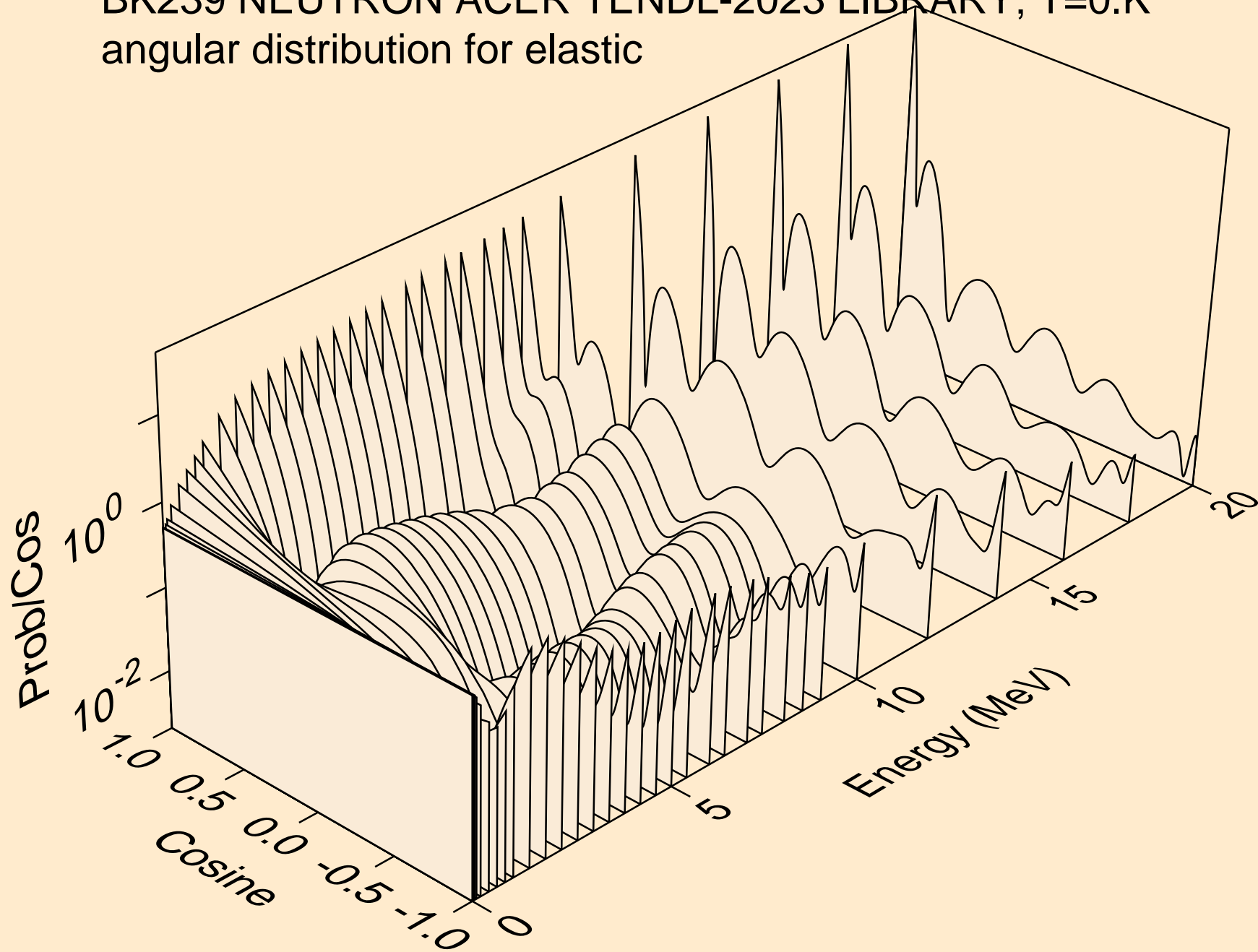
BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



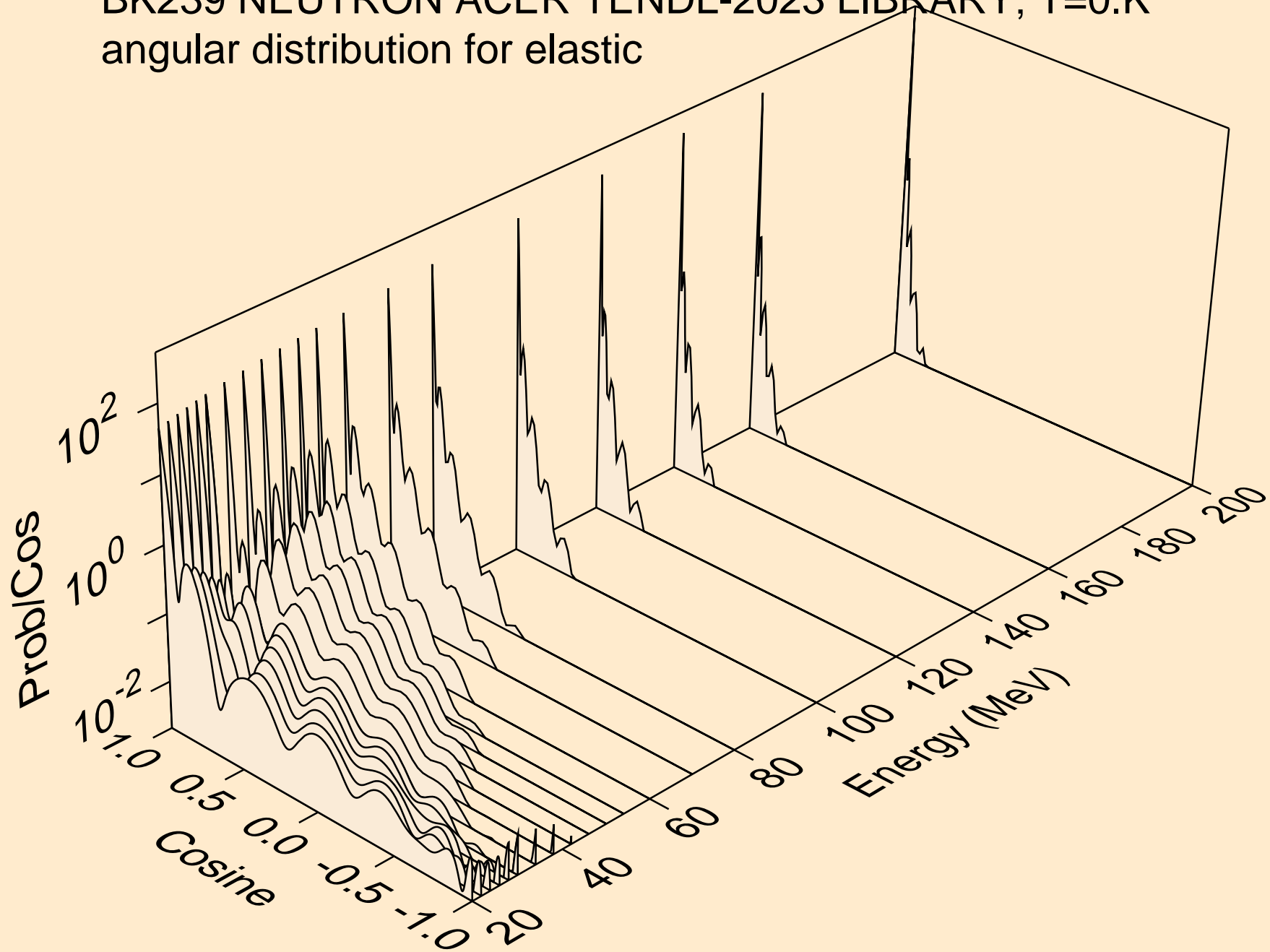
BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



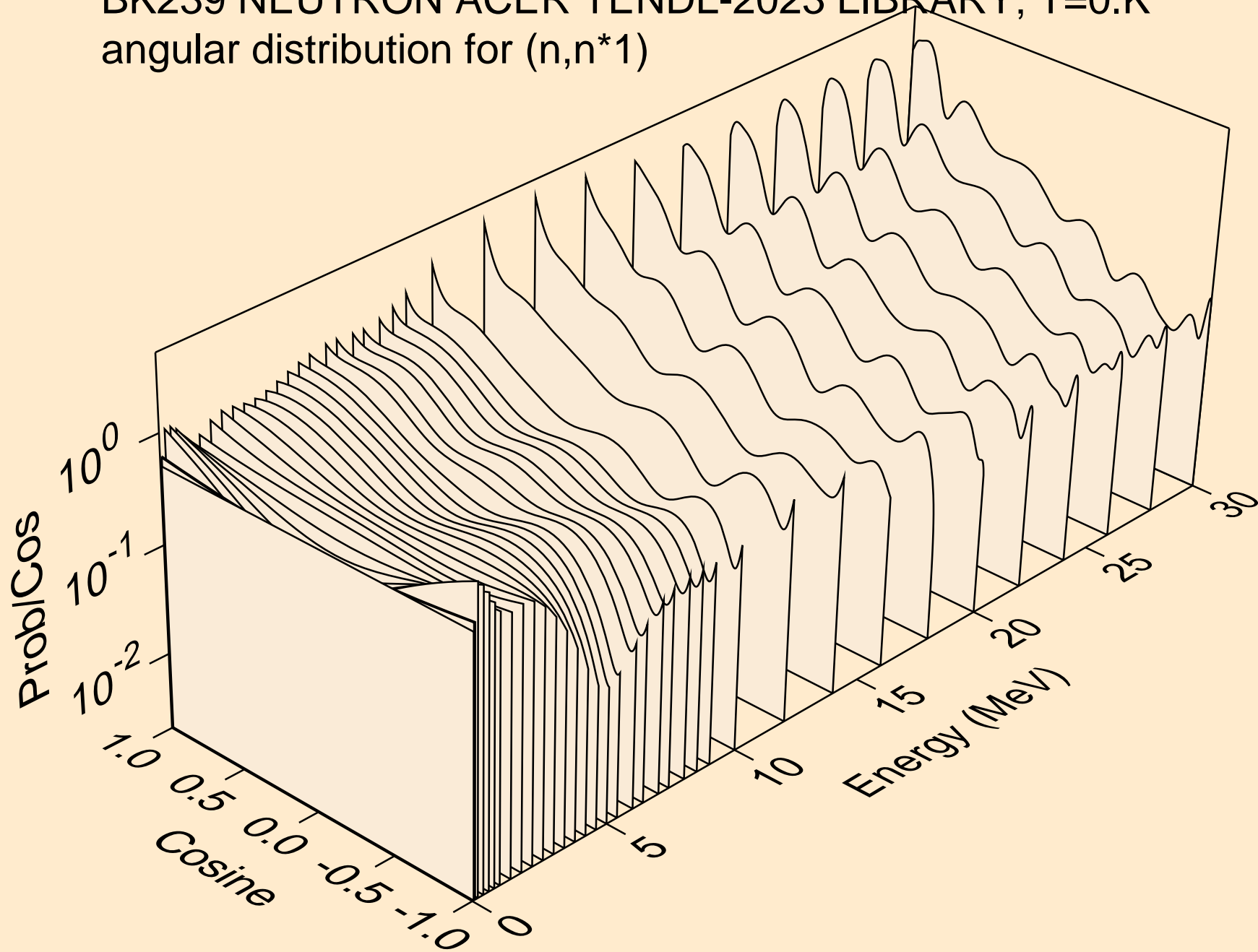
BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



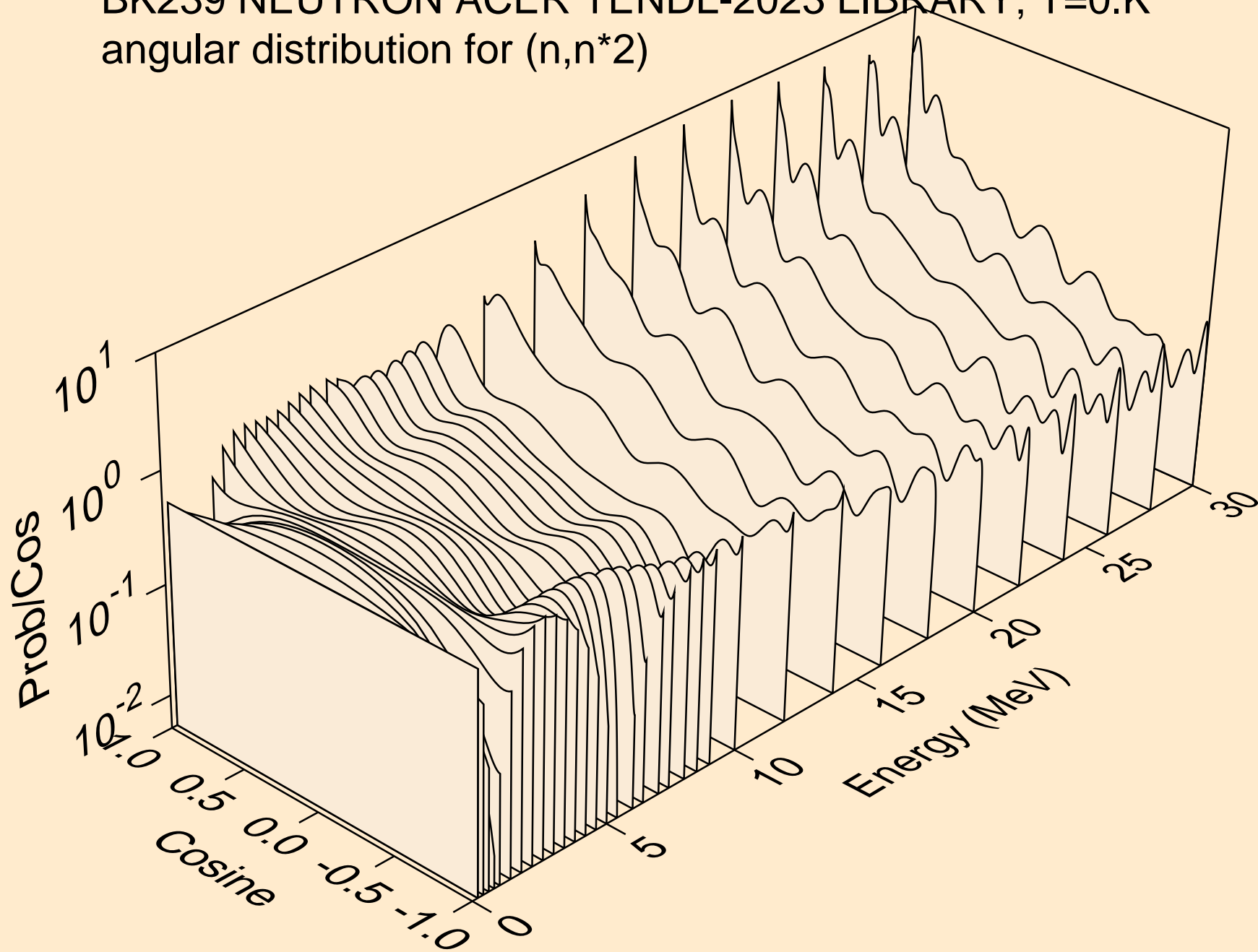
BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*1)

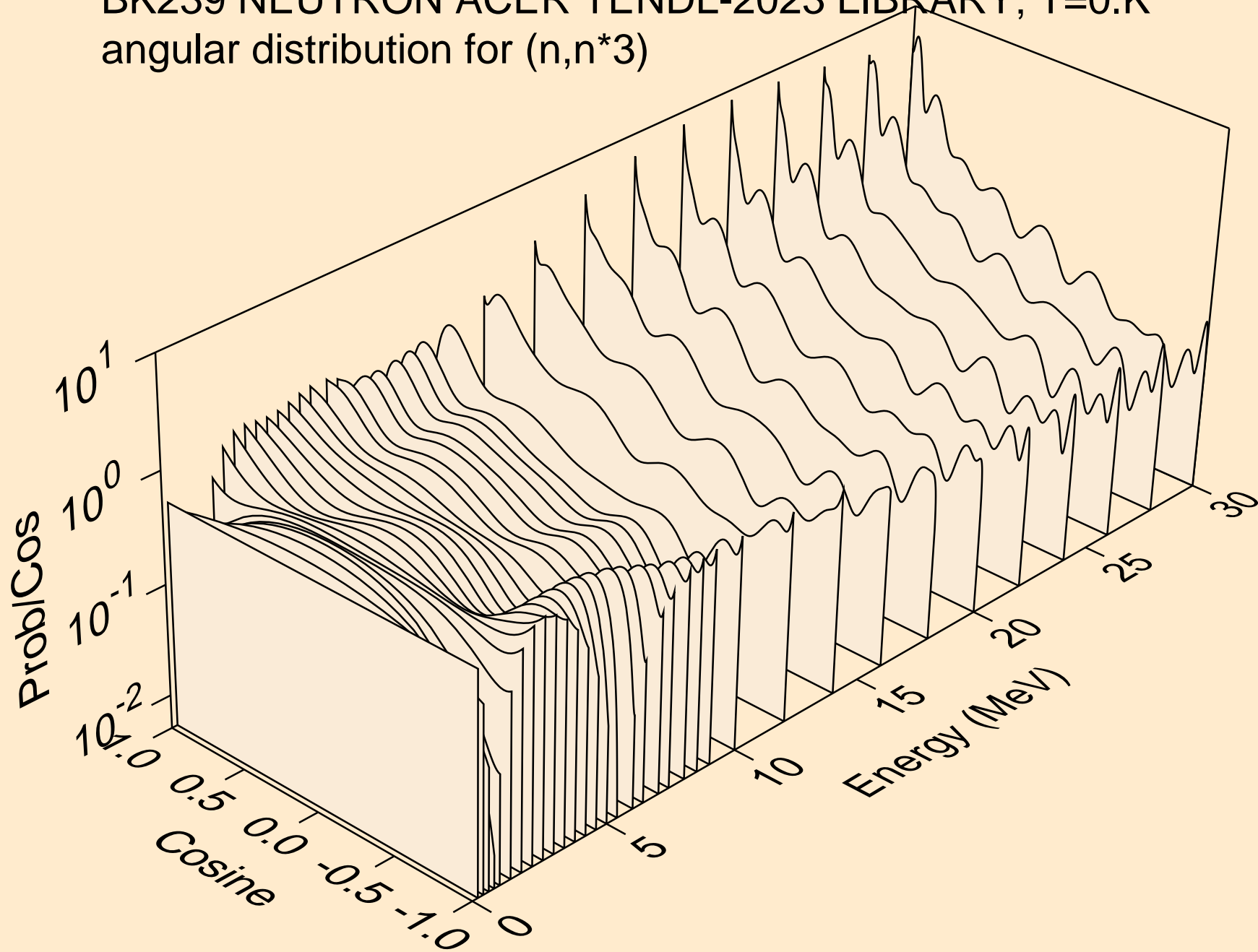


BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*2)

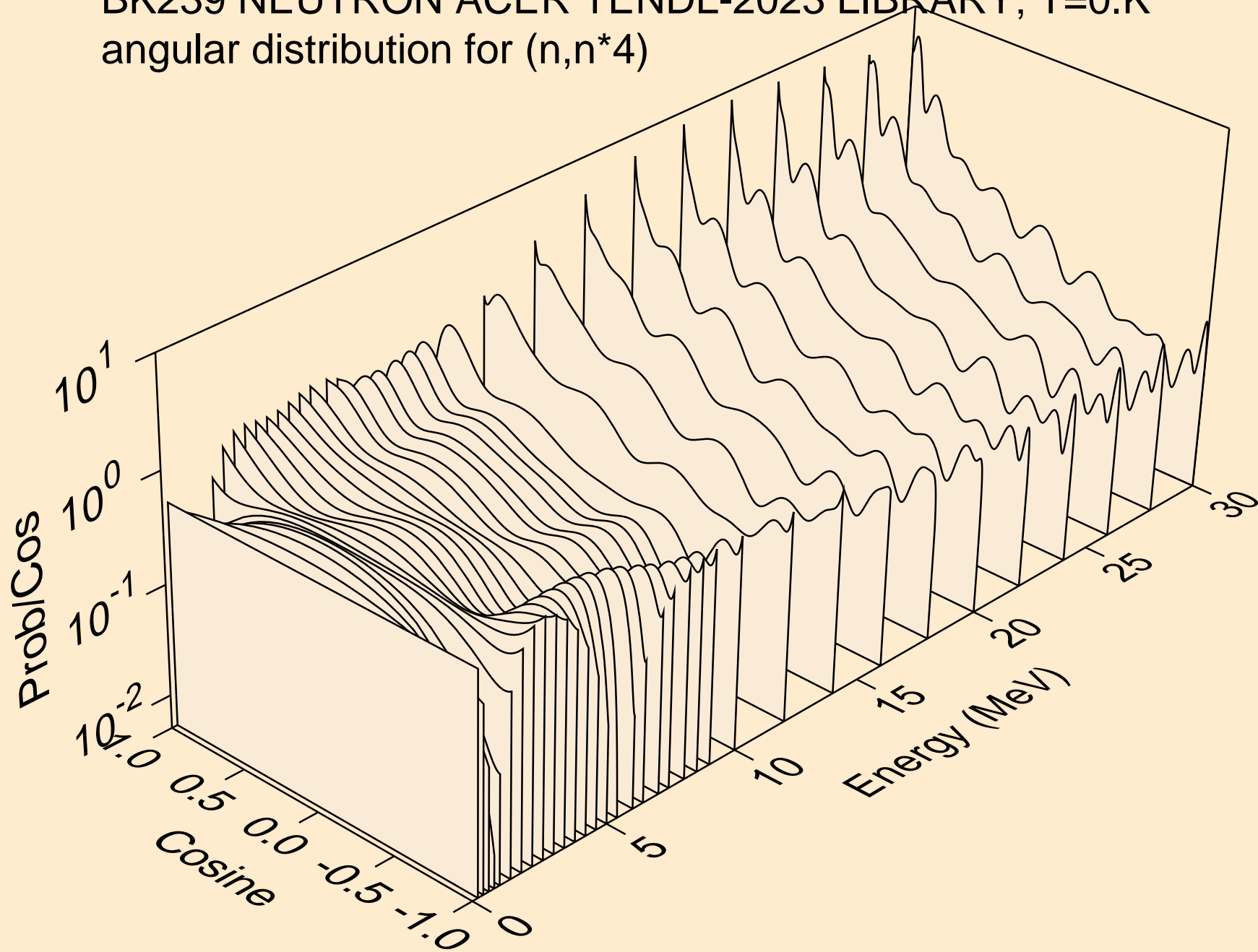




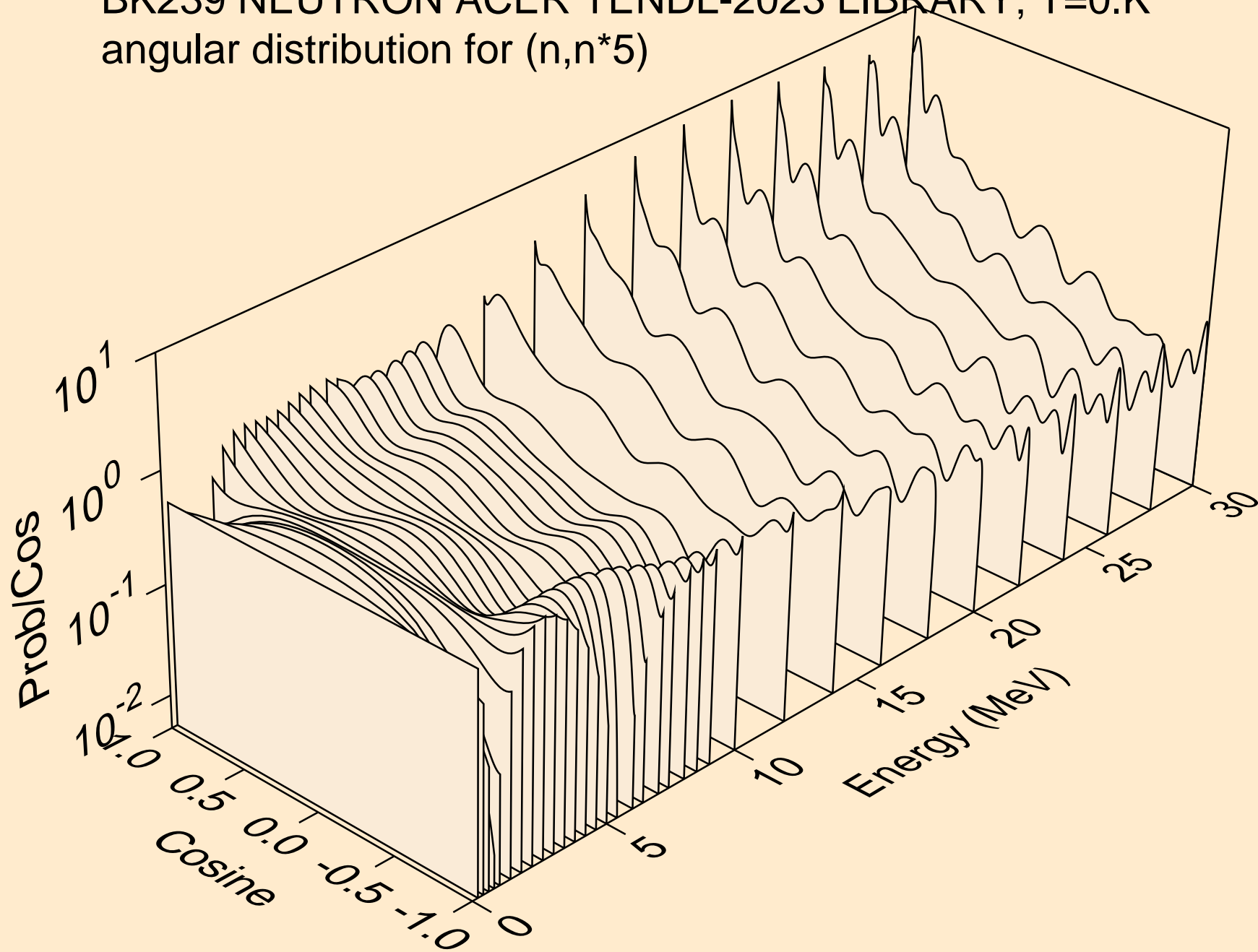
BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*3)



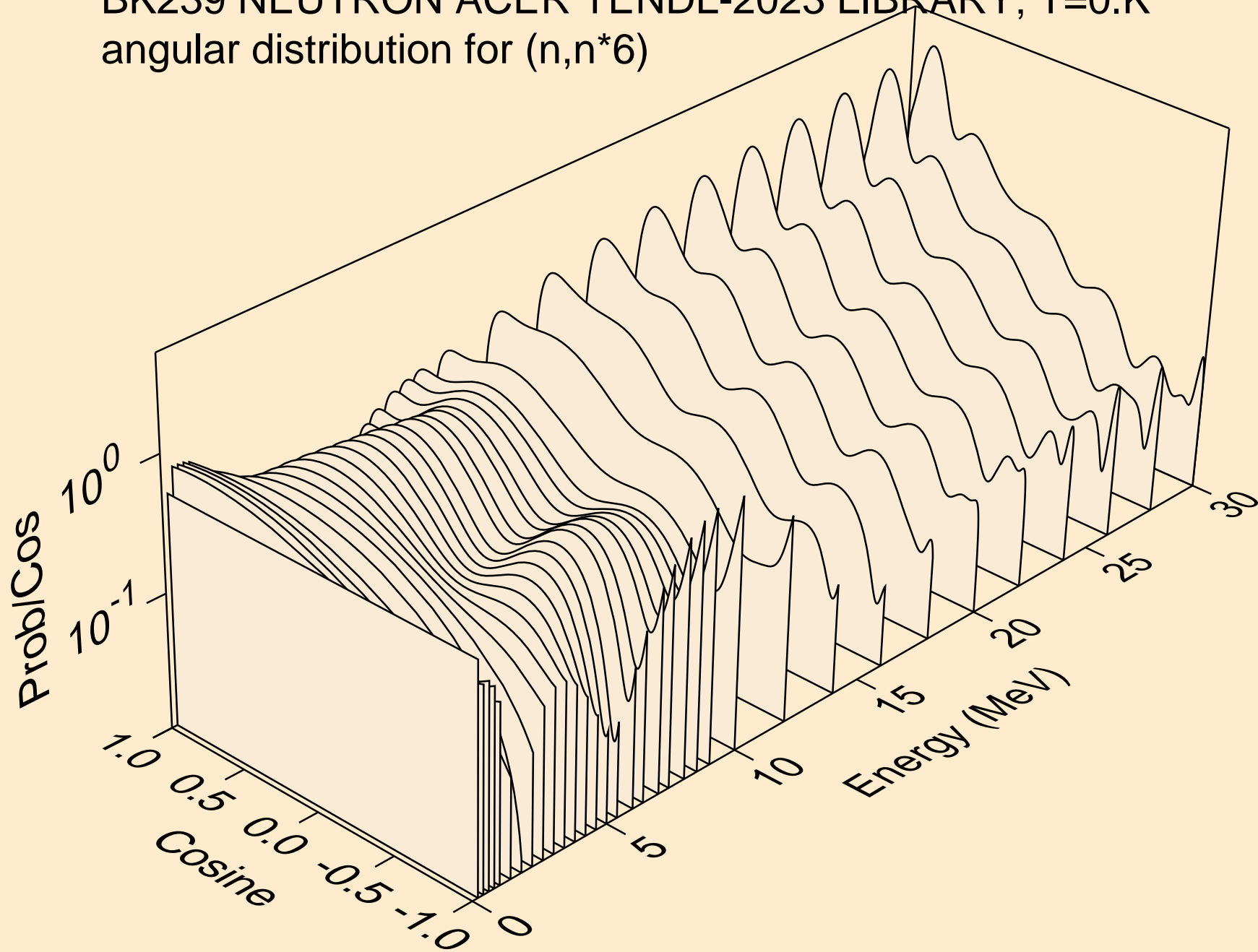
BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*4)



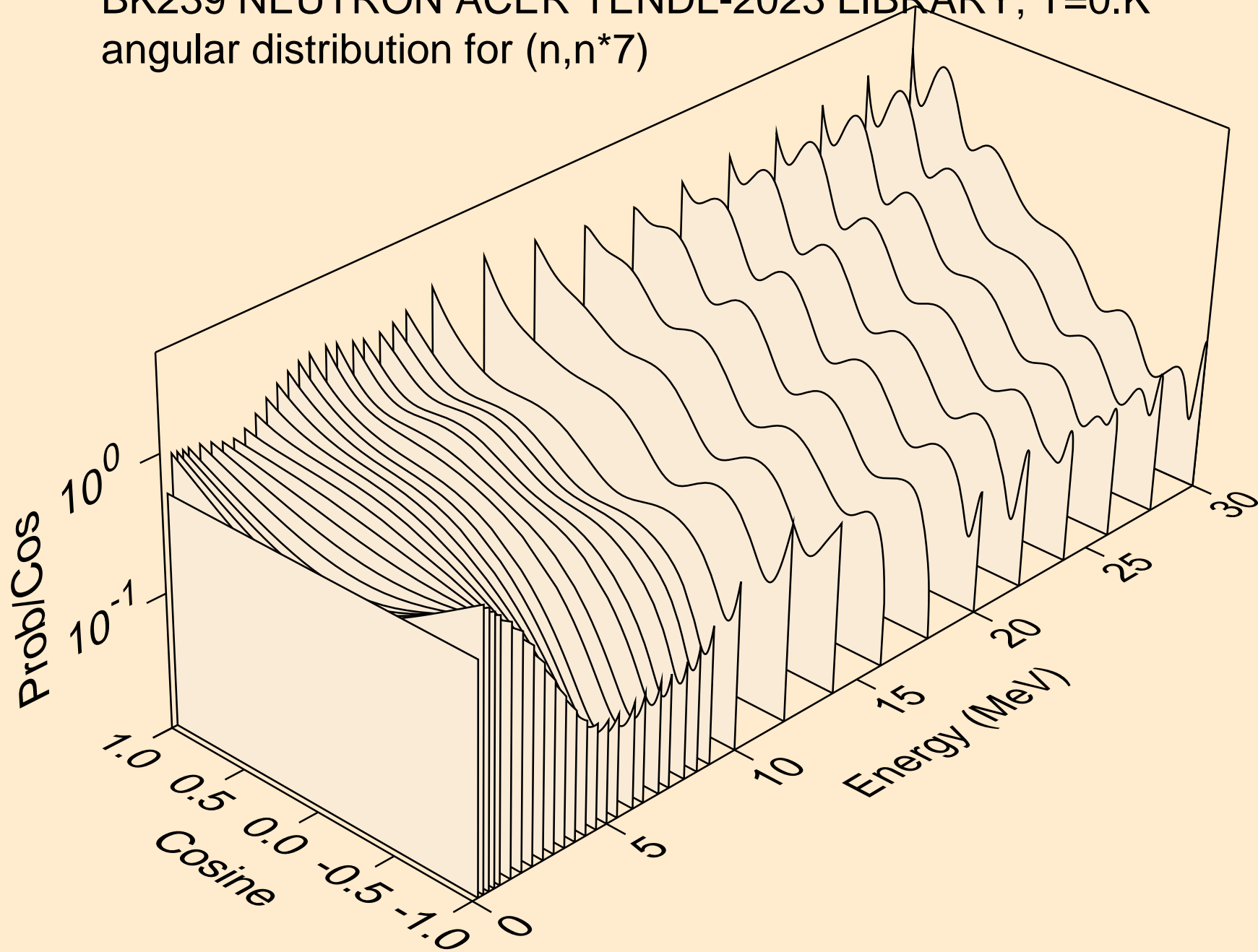
BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*5)



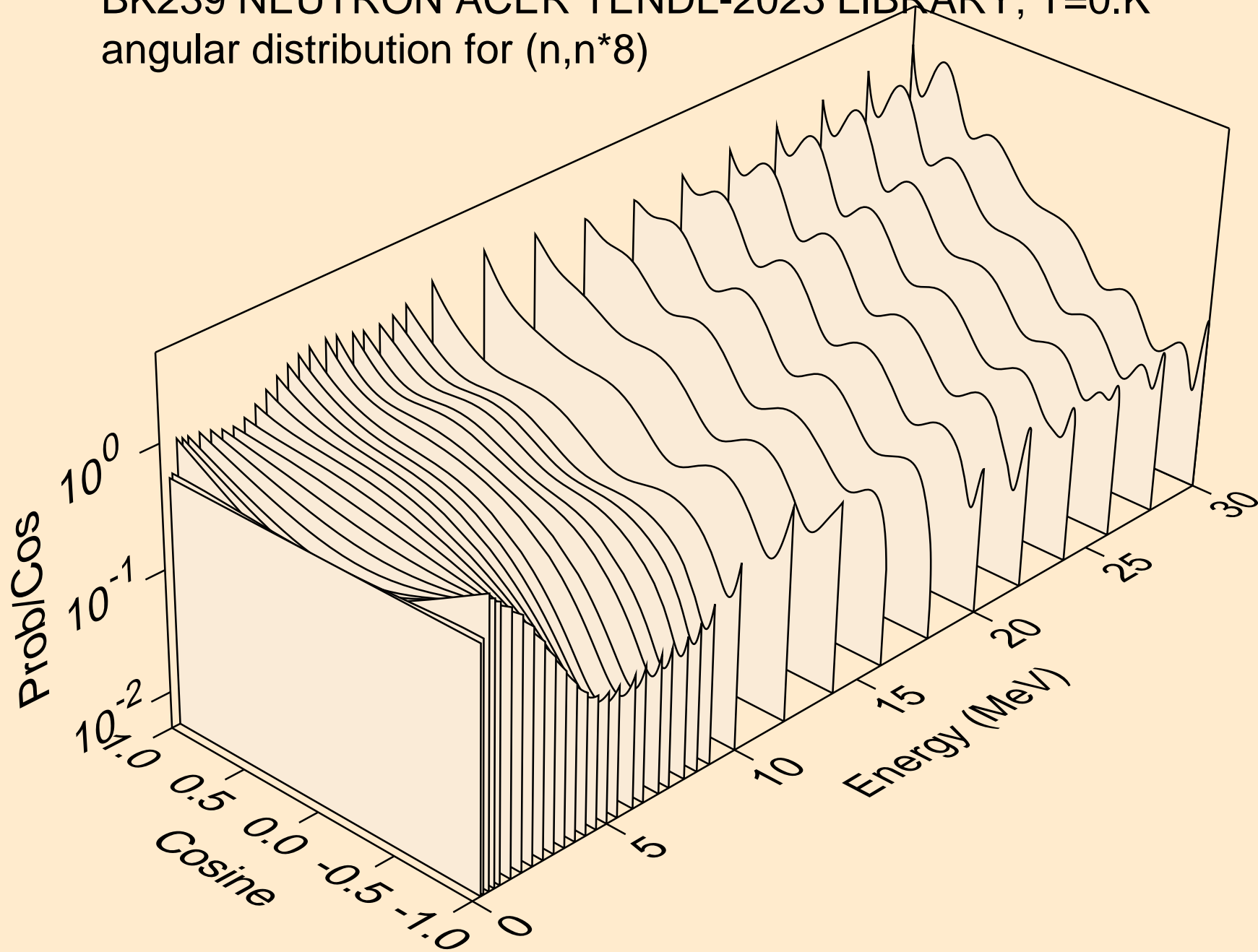
BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*6)



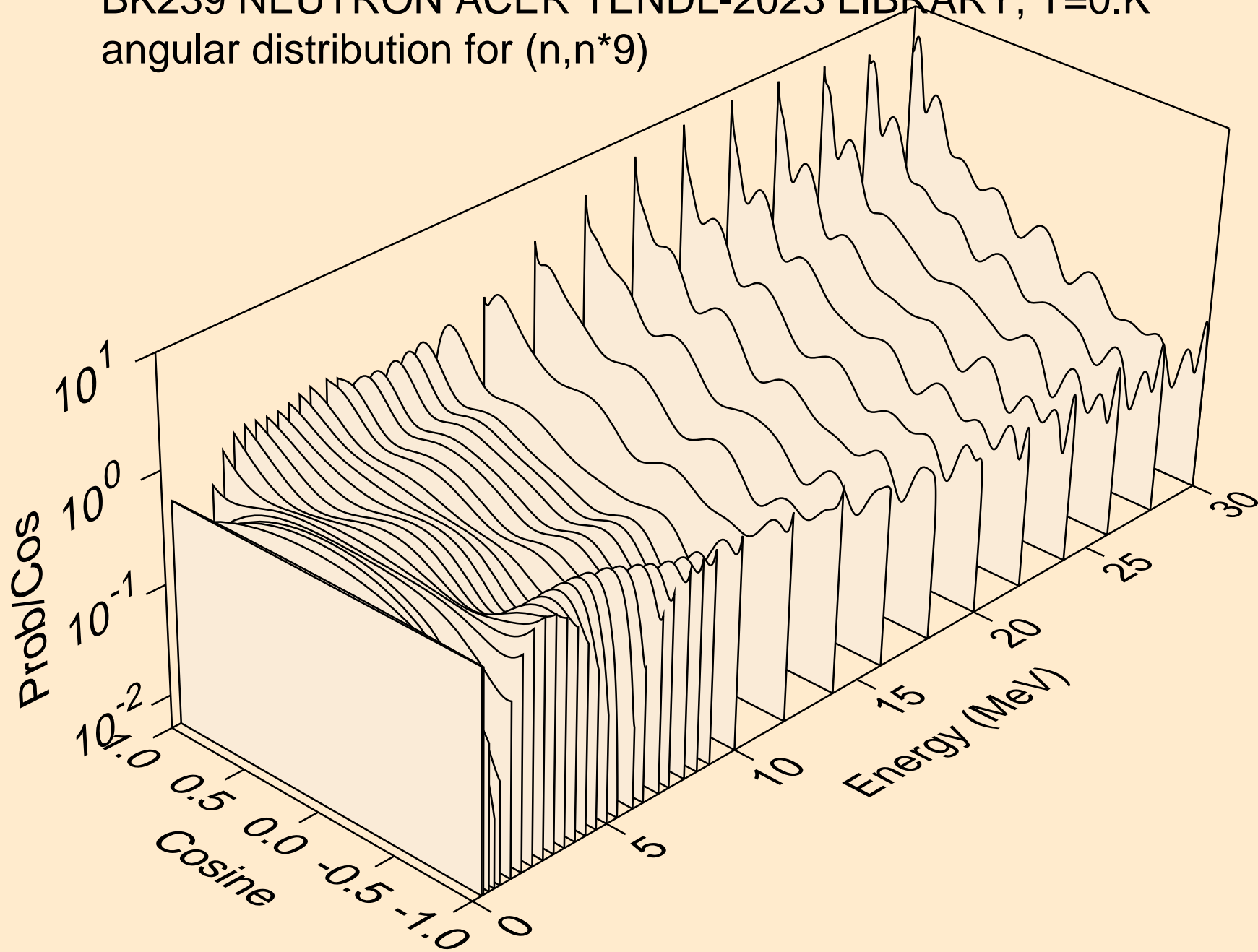
BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*7)



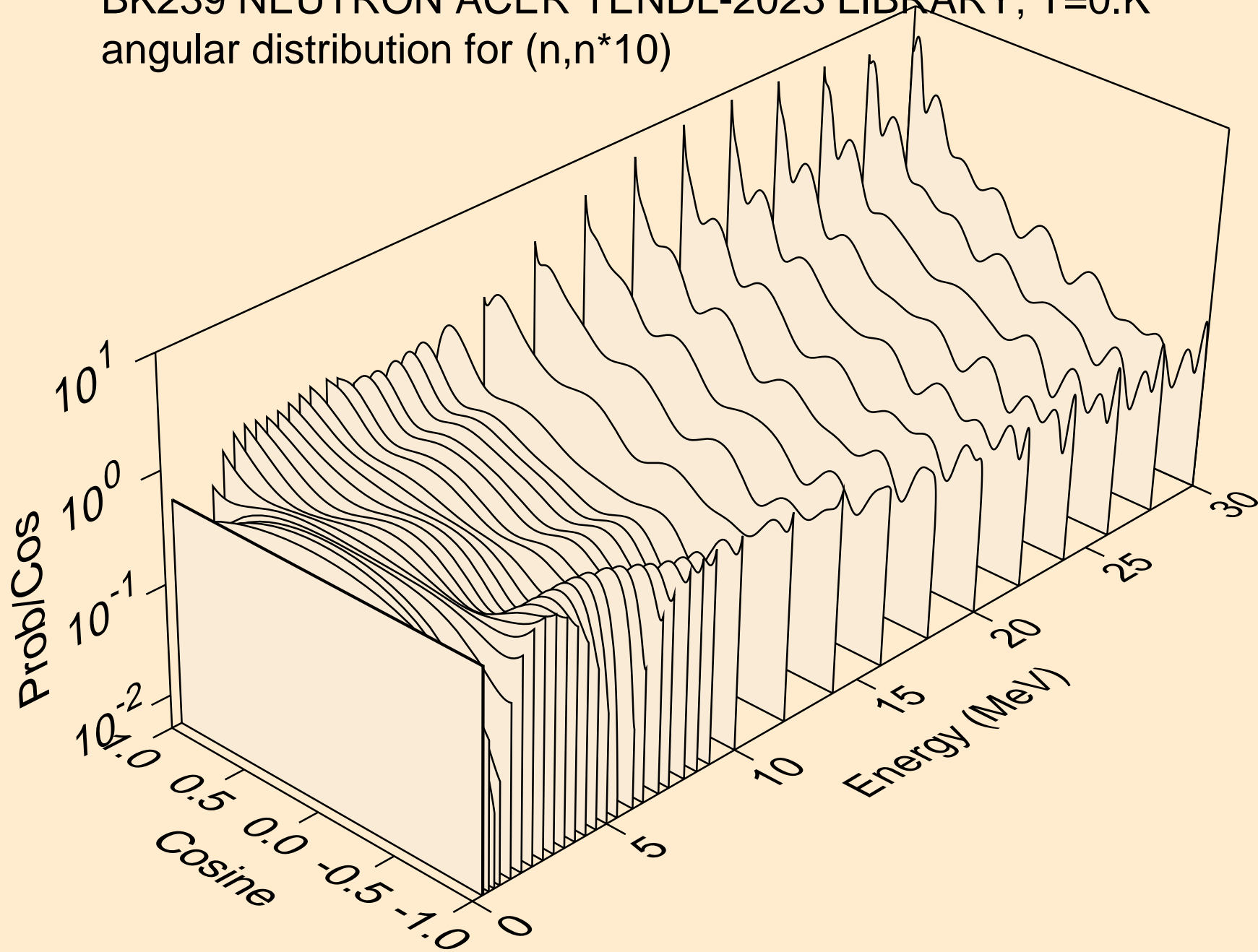
BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*8)



BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*9)

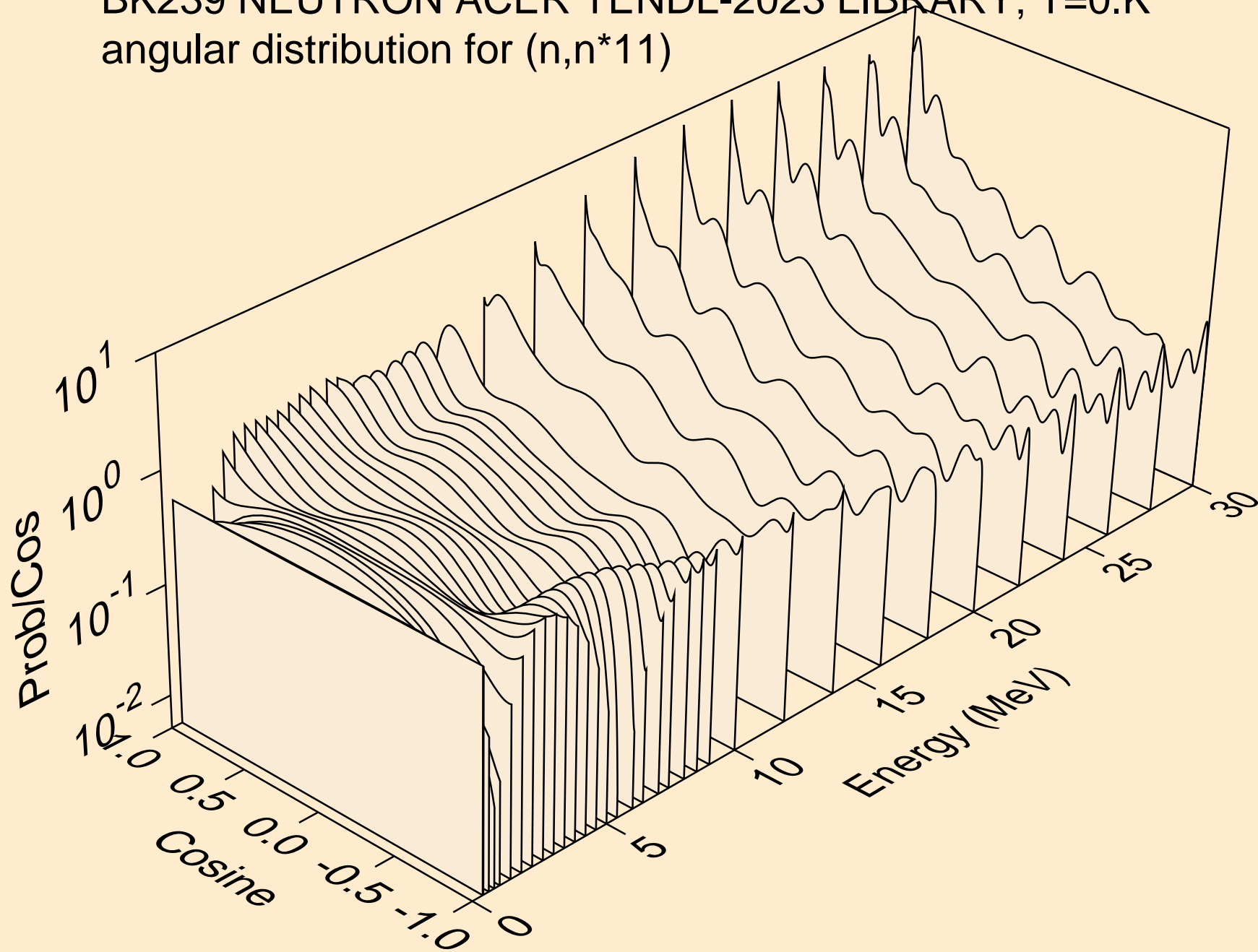


BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*10)

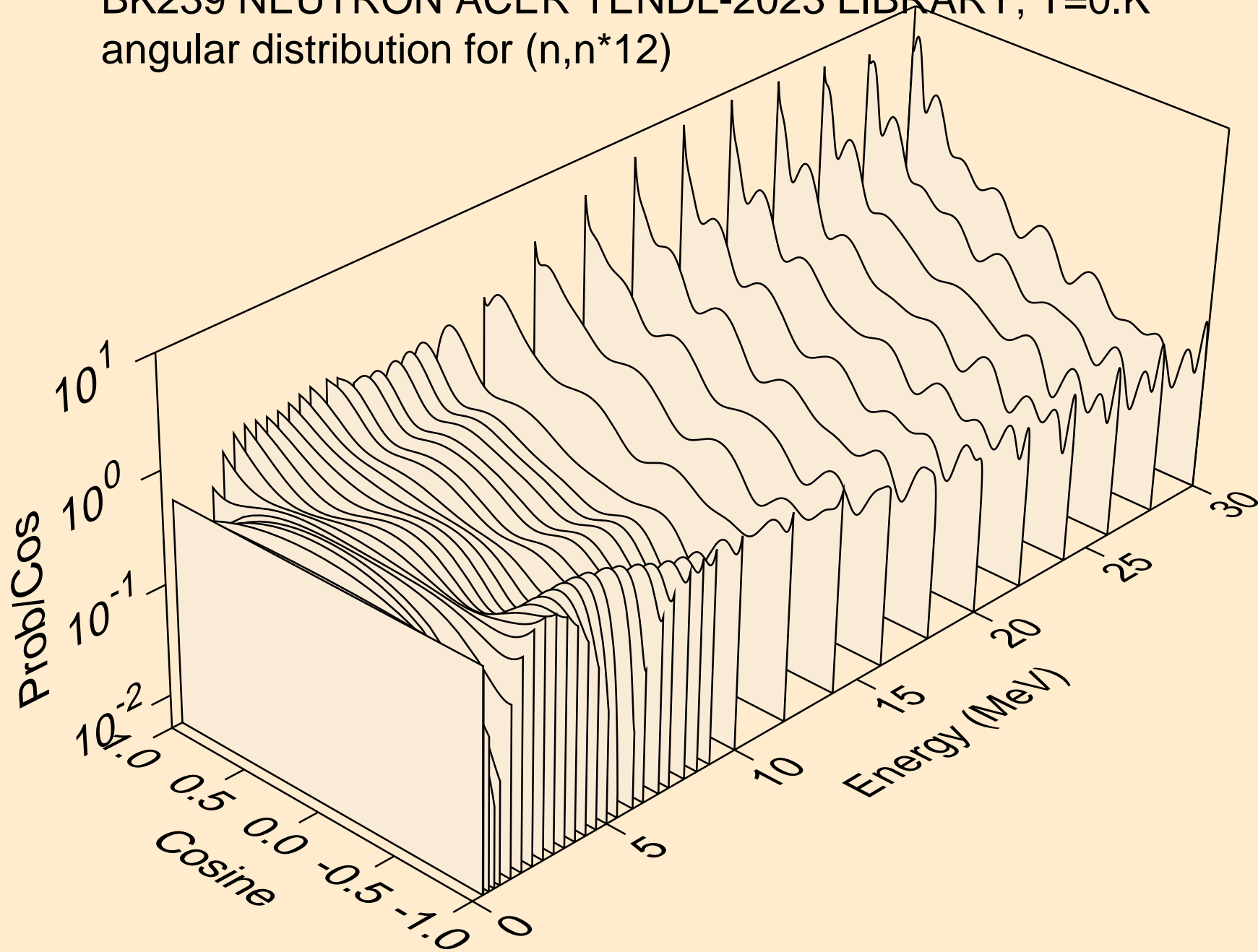




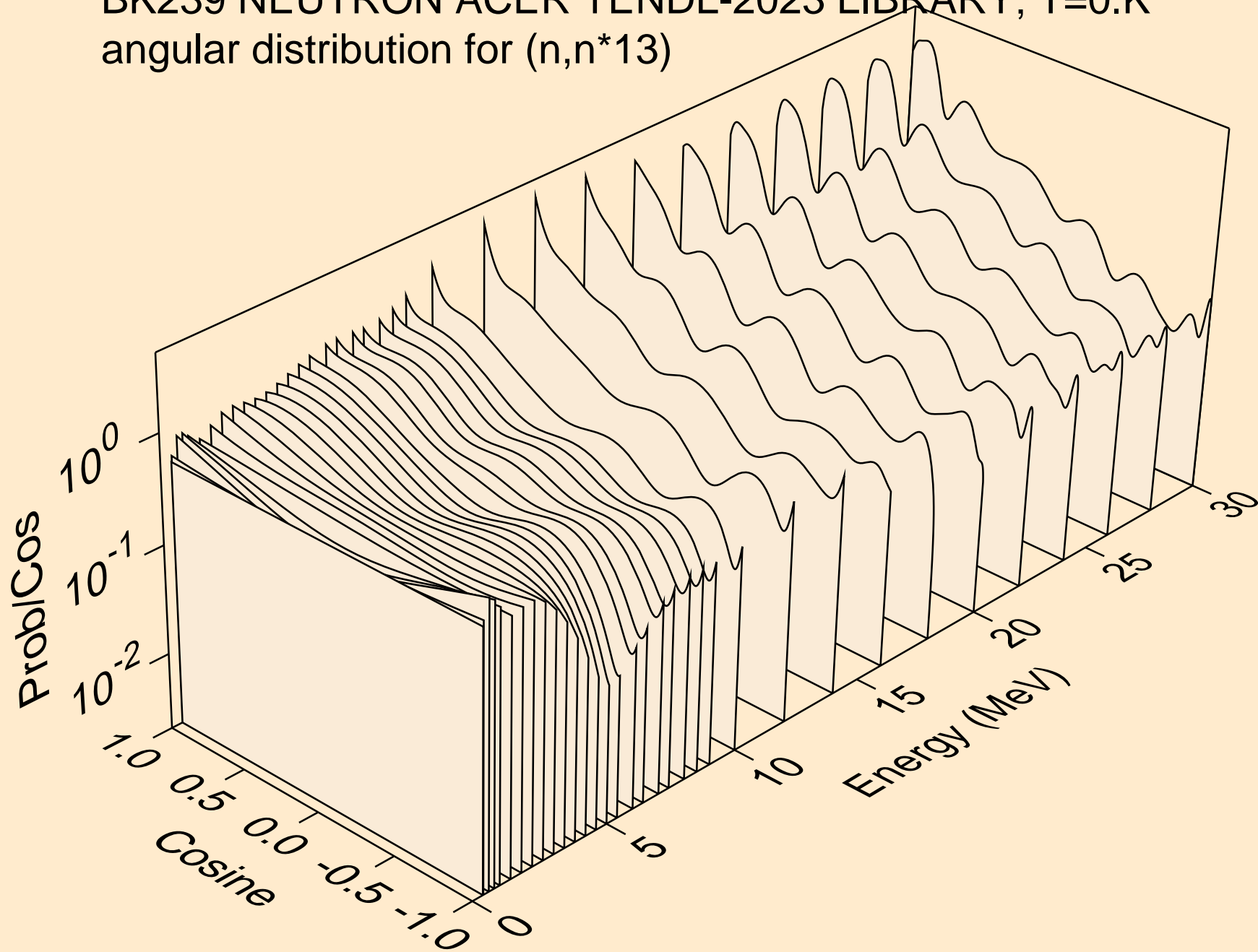
BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*11)



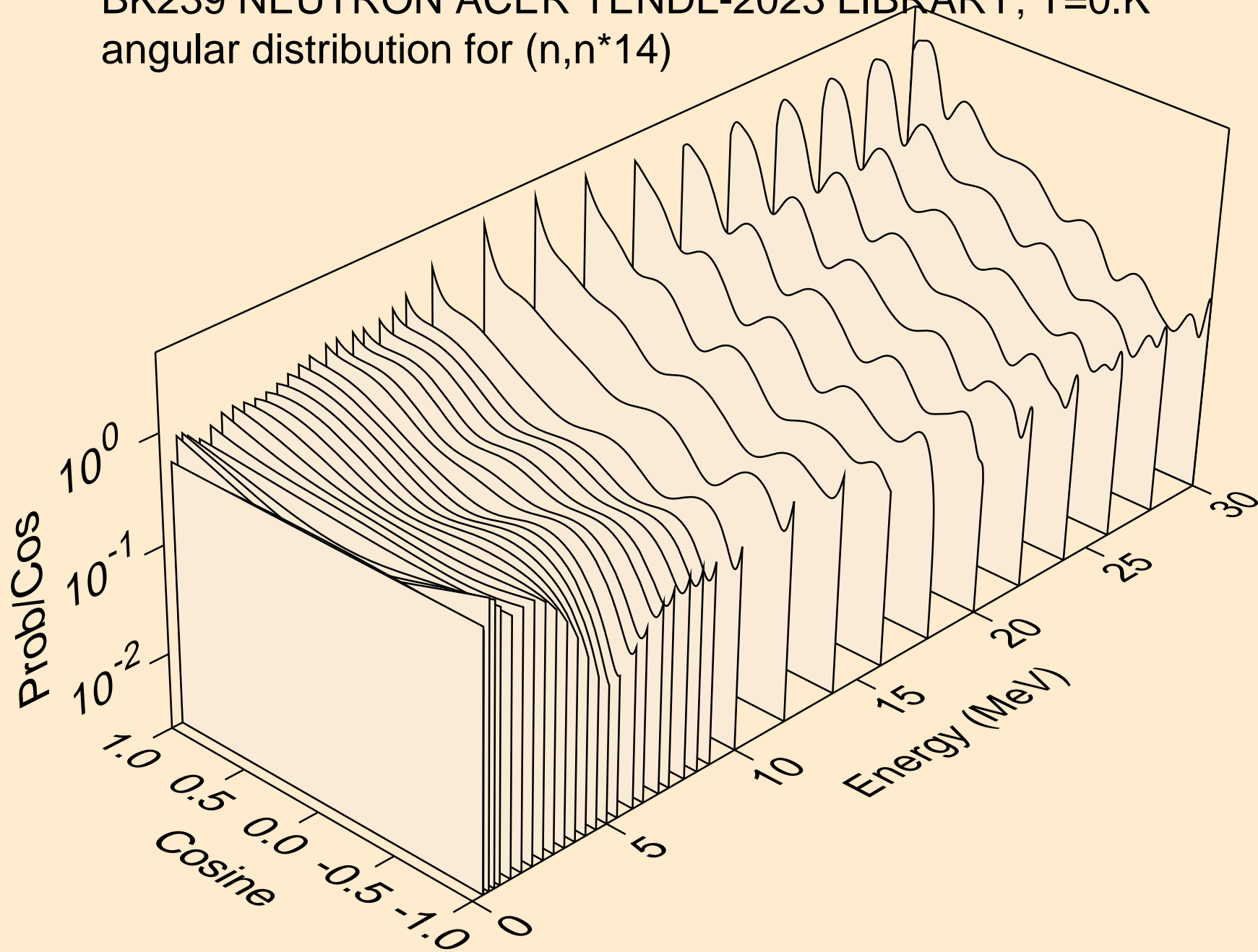
BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*12)



BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*13)

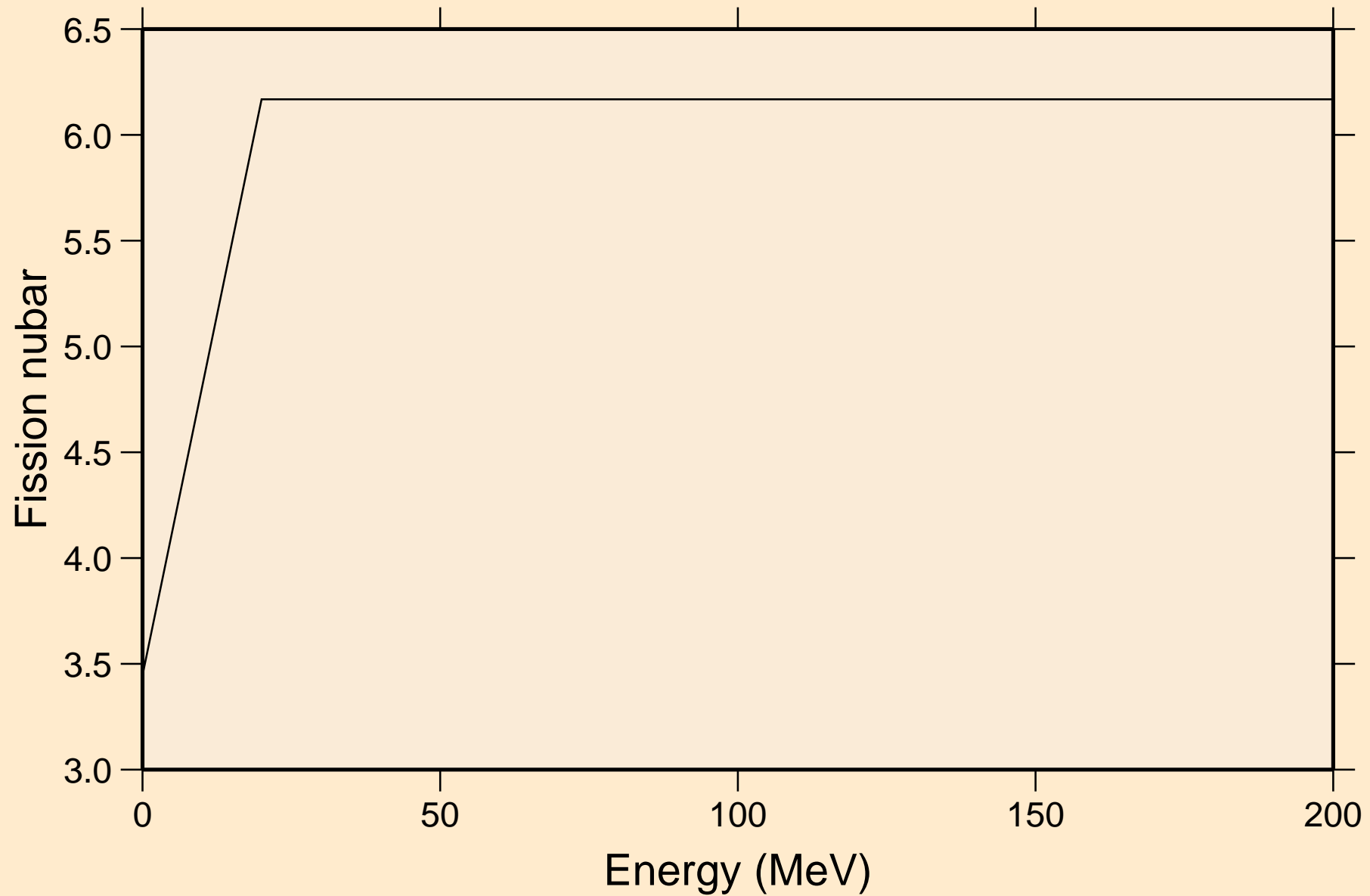


BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*14)

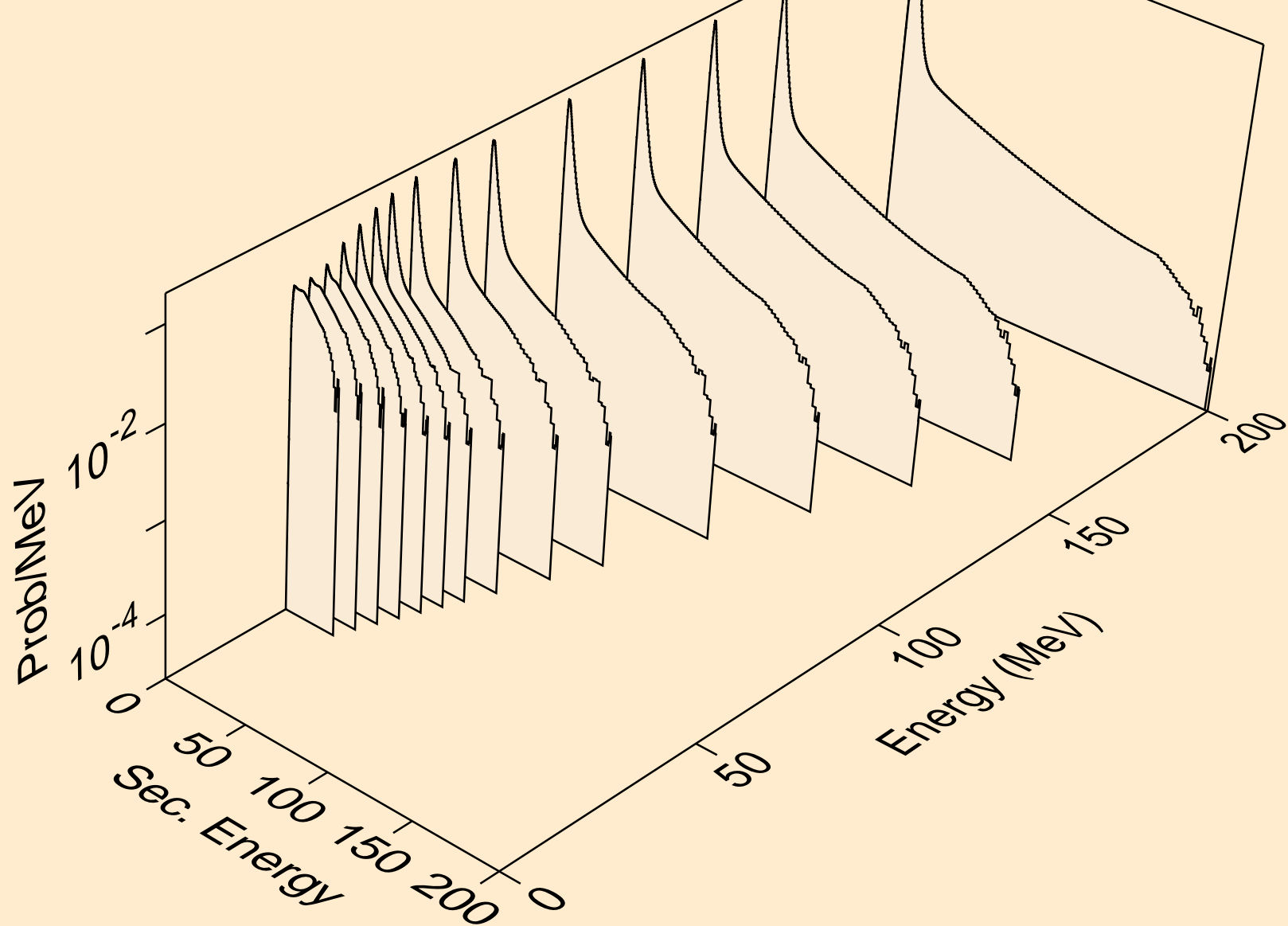


# BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

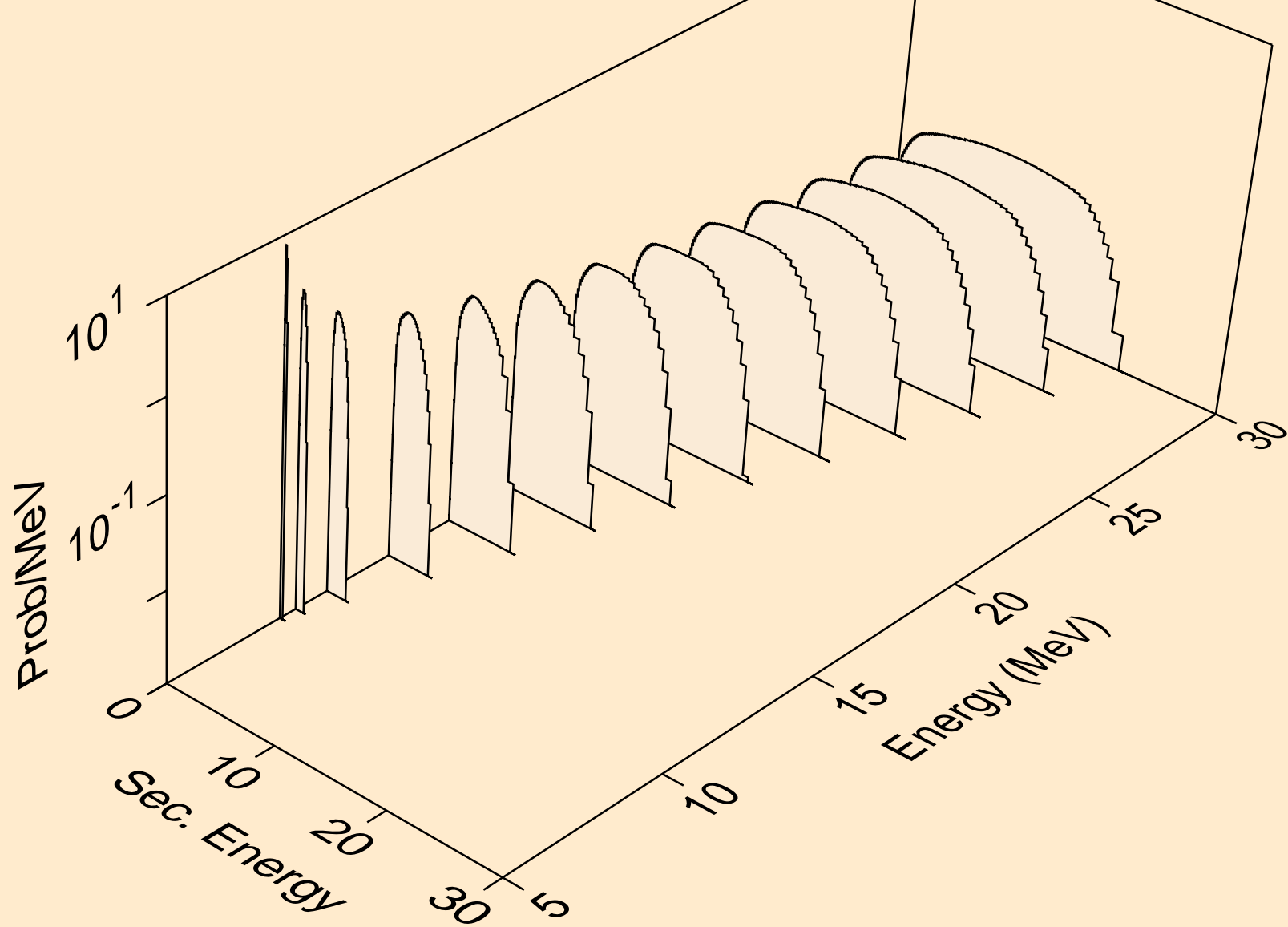
Total fission nubar



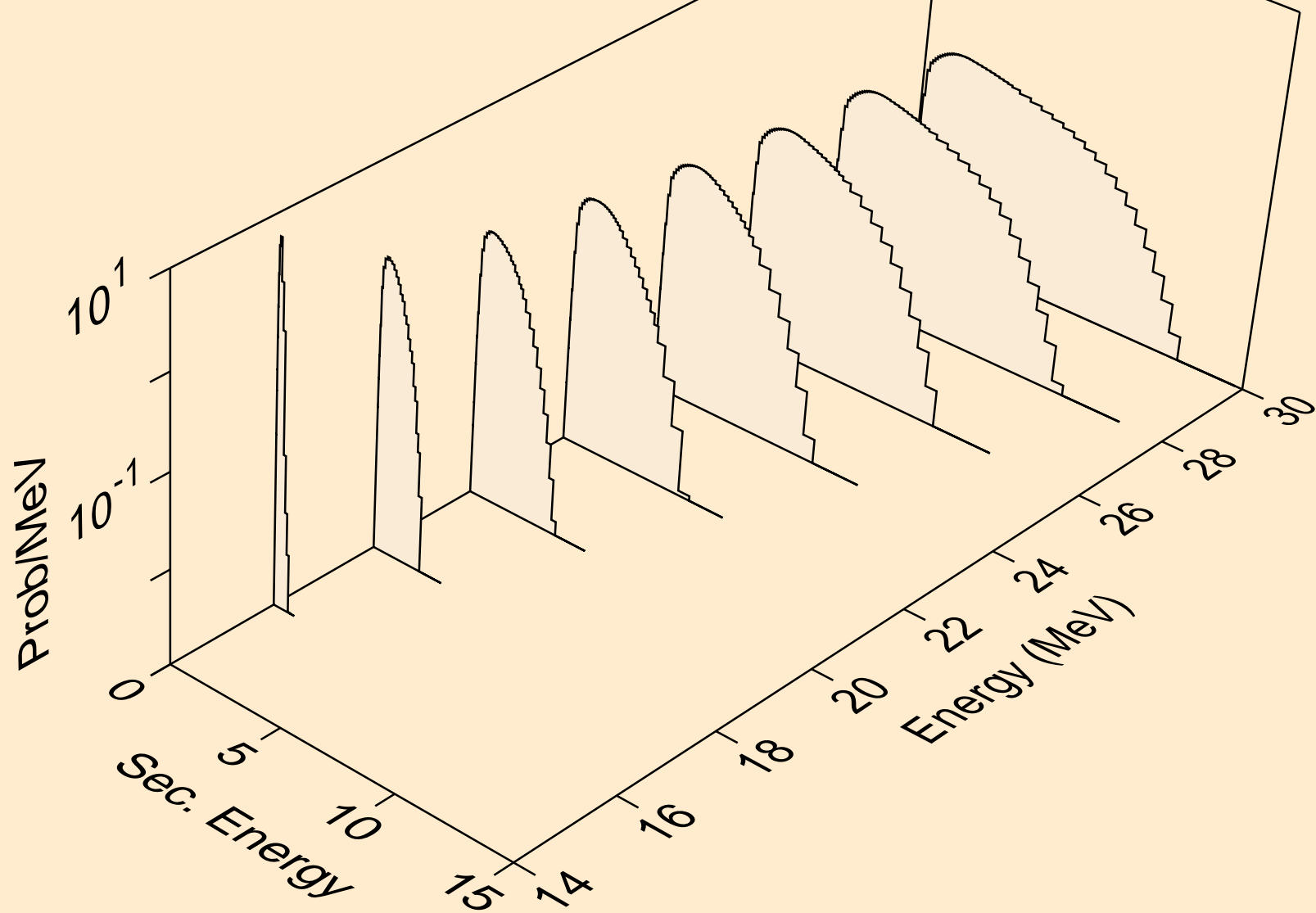
BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,x)



BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)

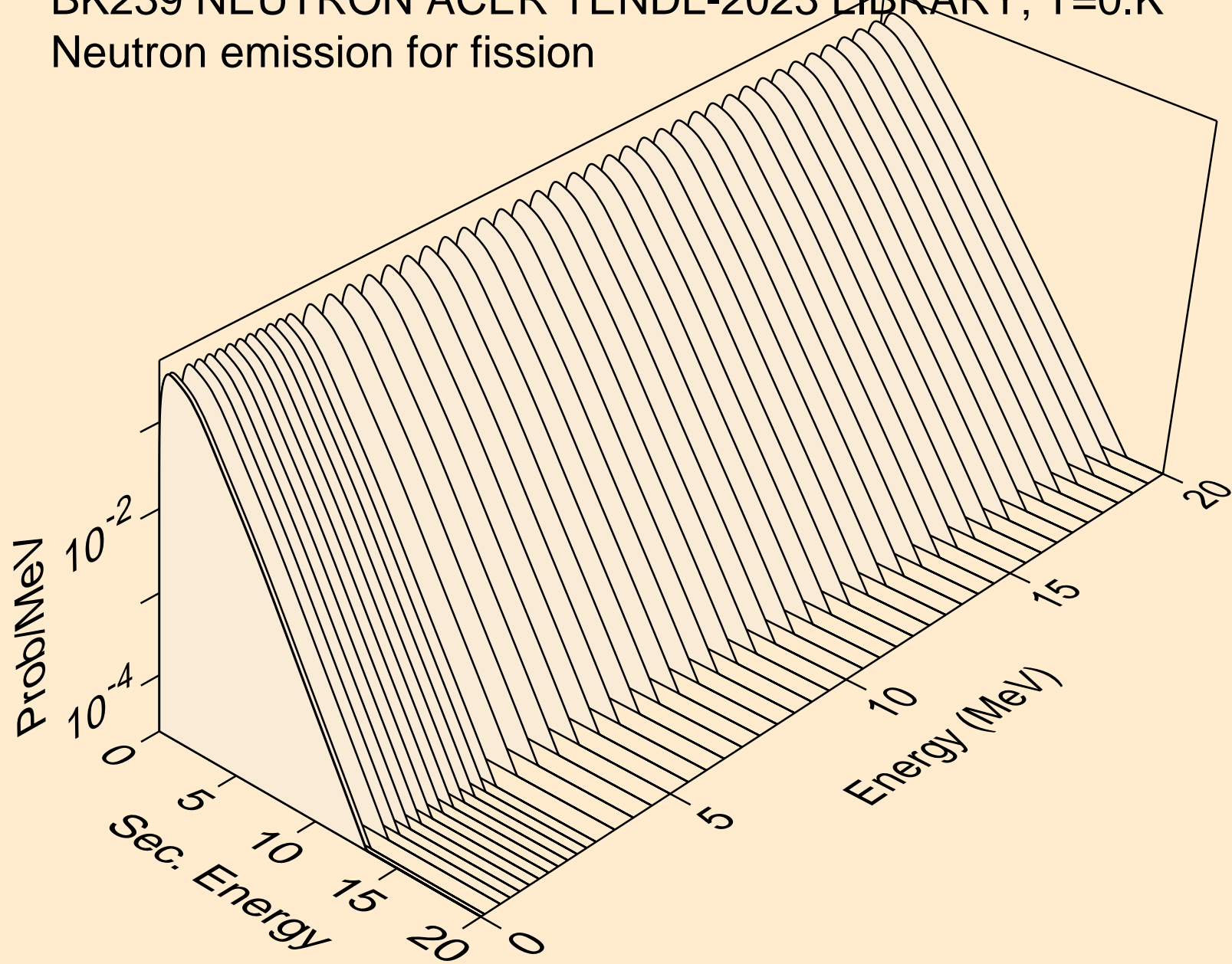


BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)

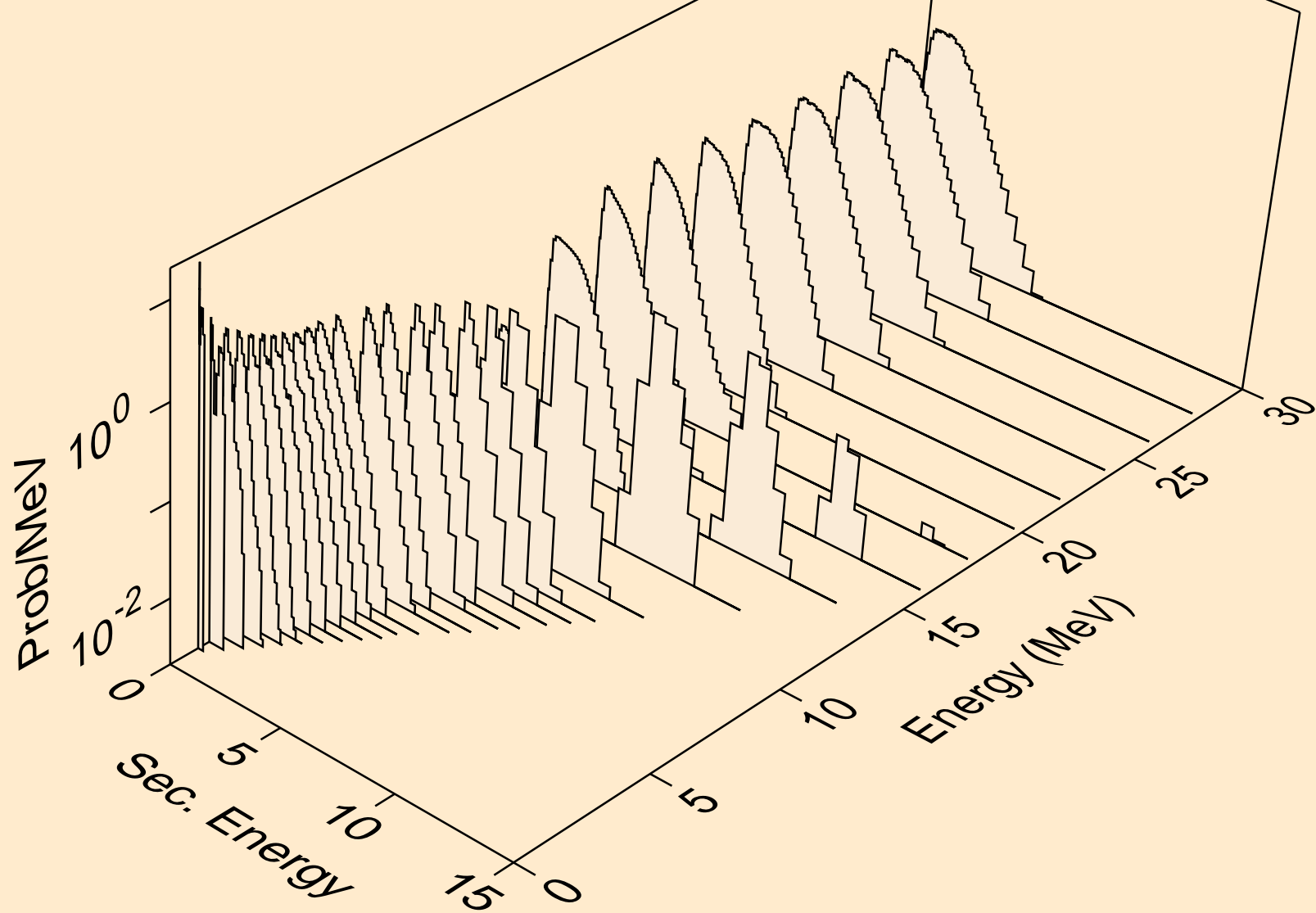




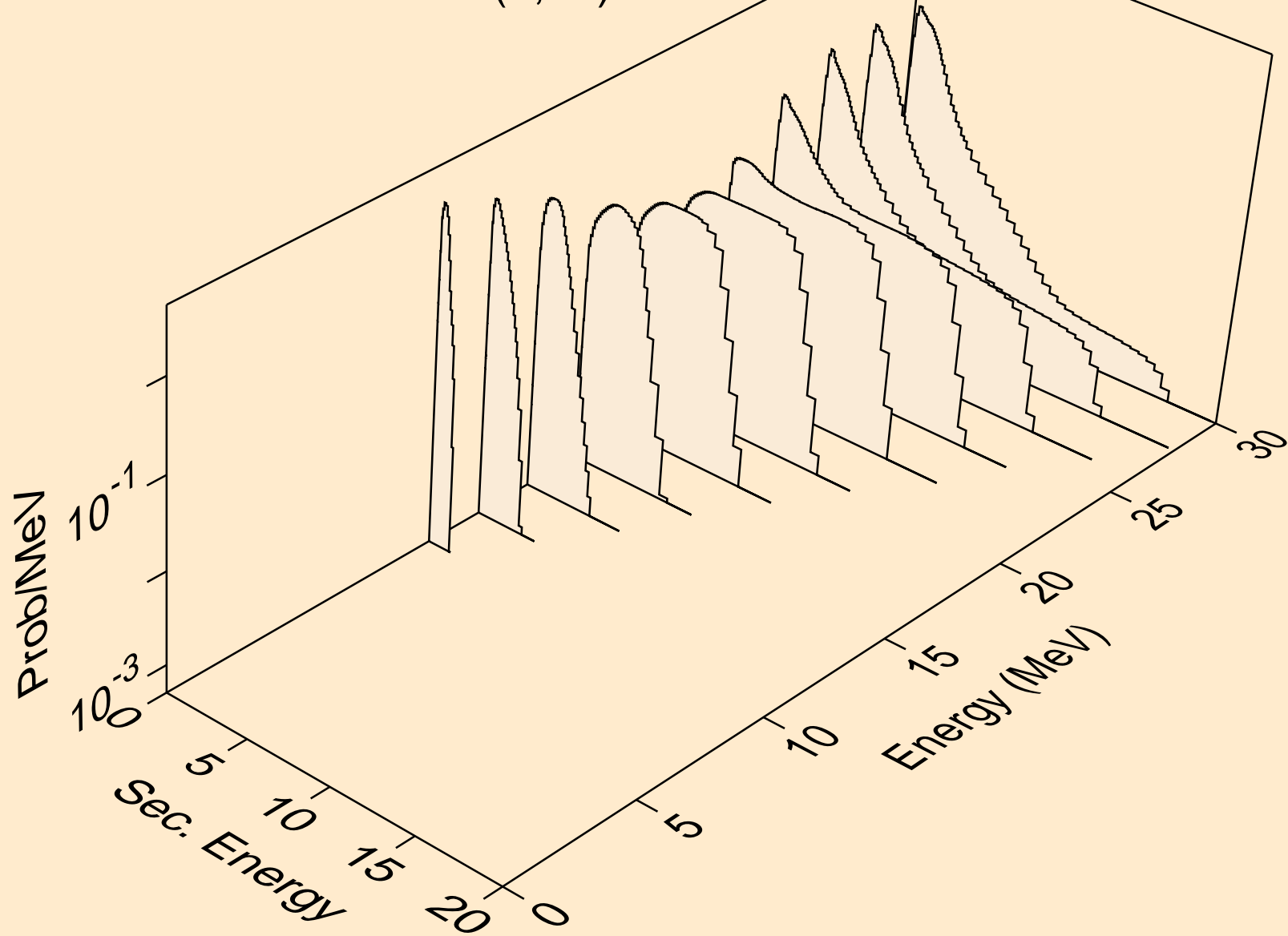
BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for fission



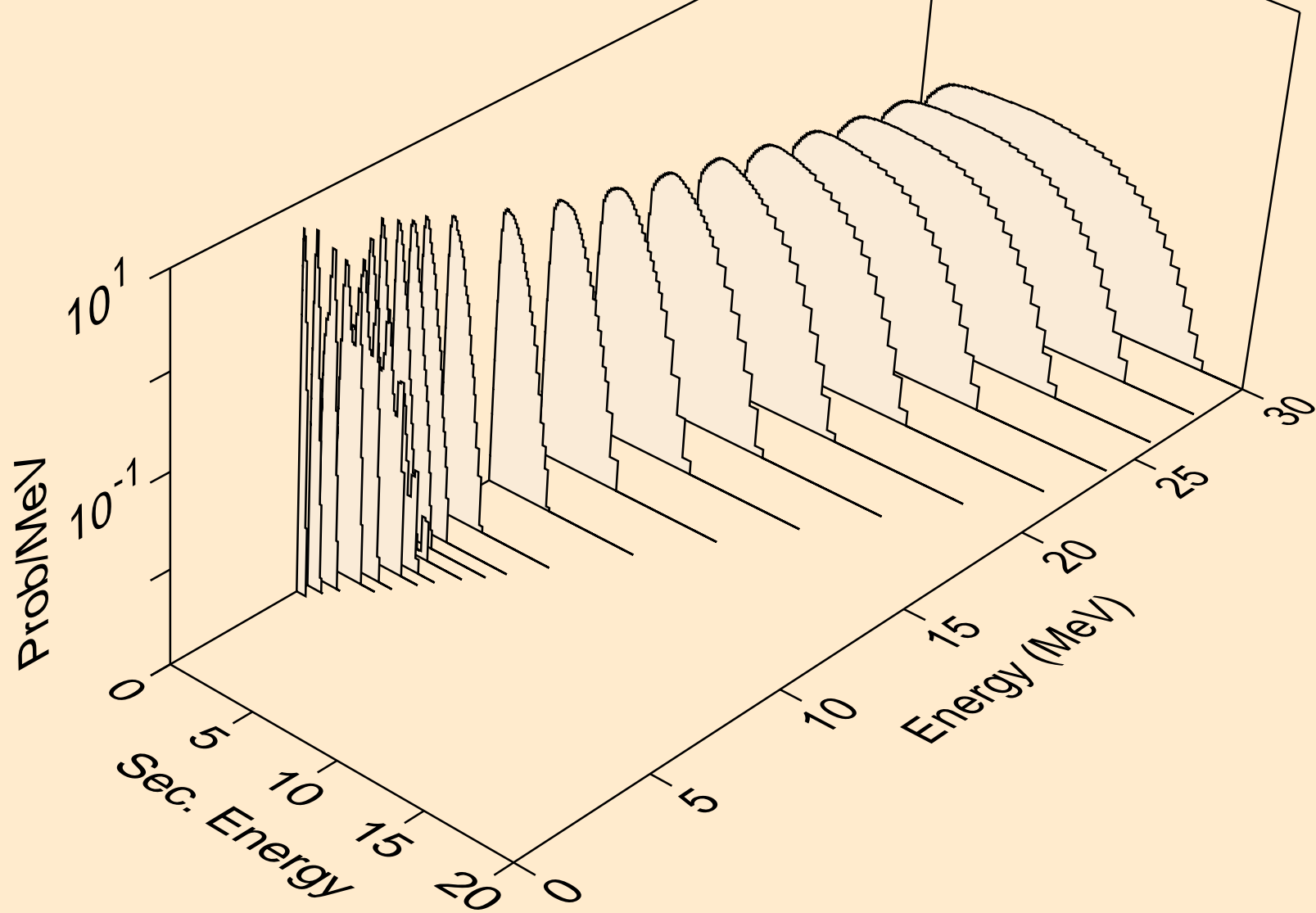
BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



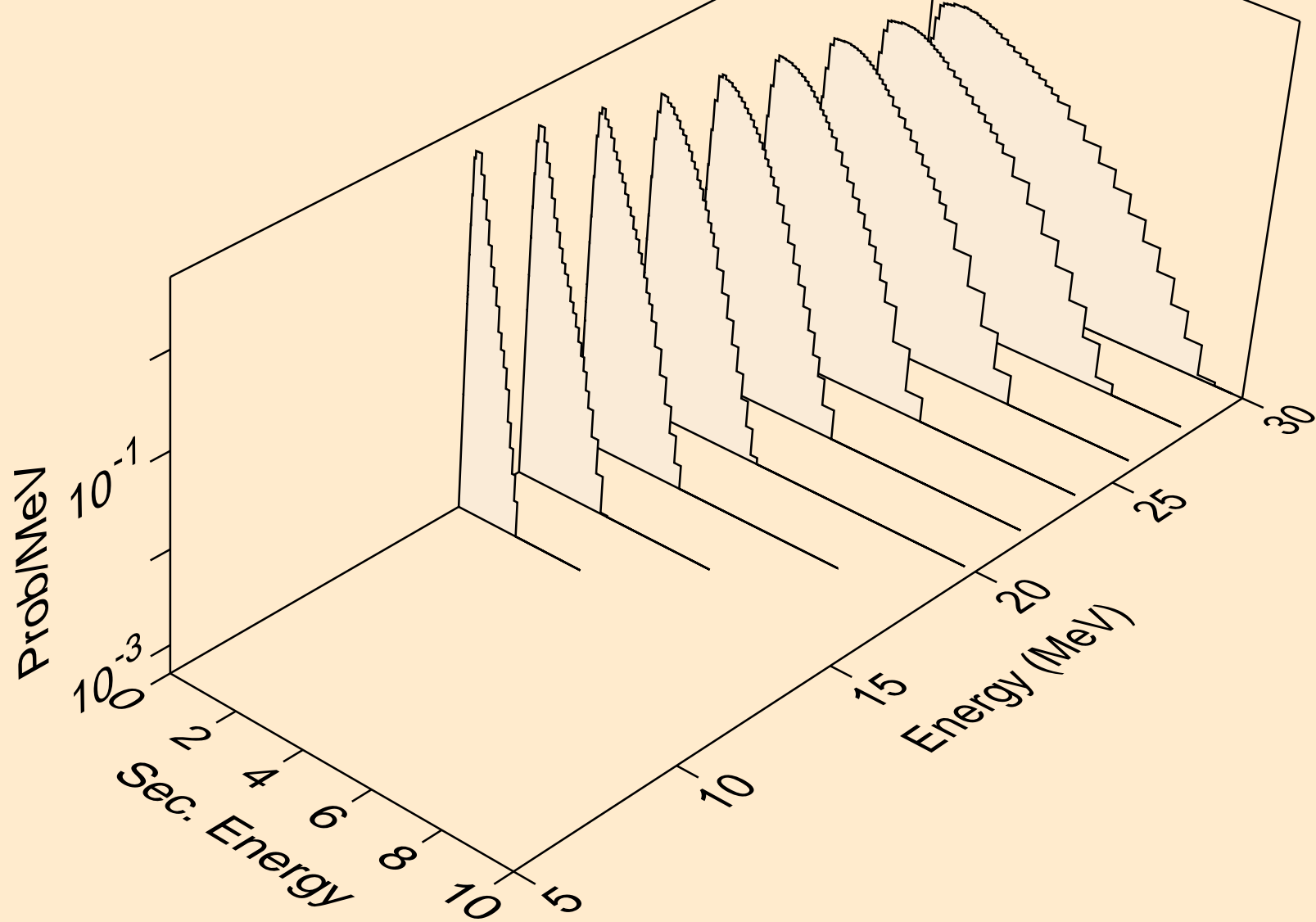
BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)a



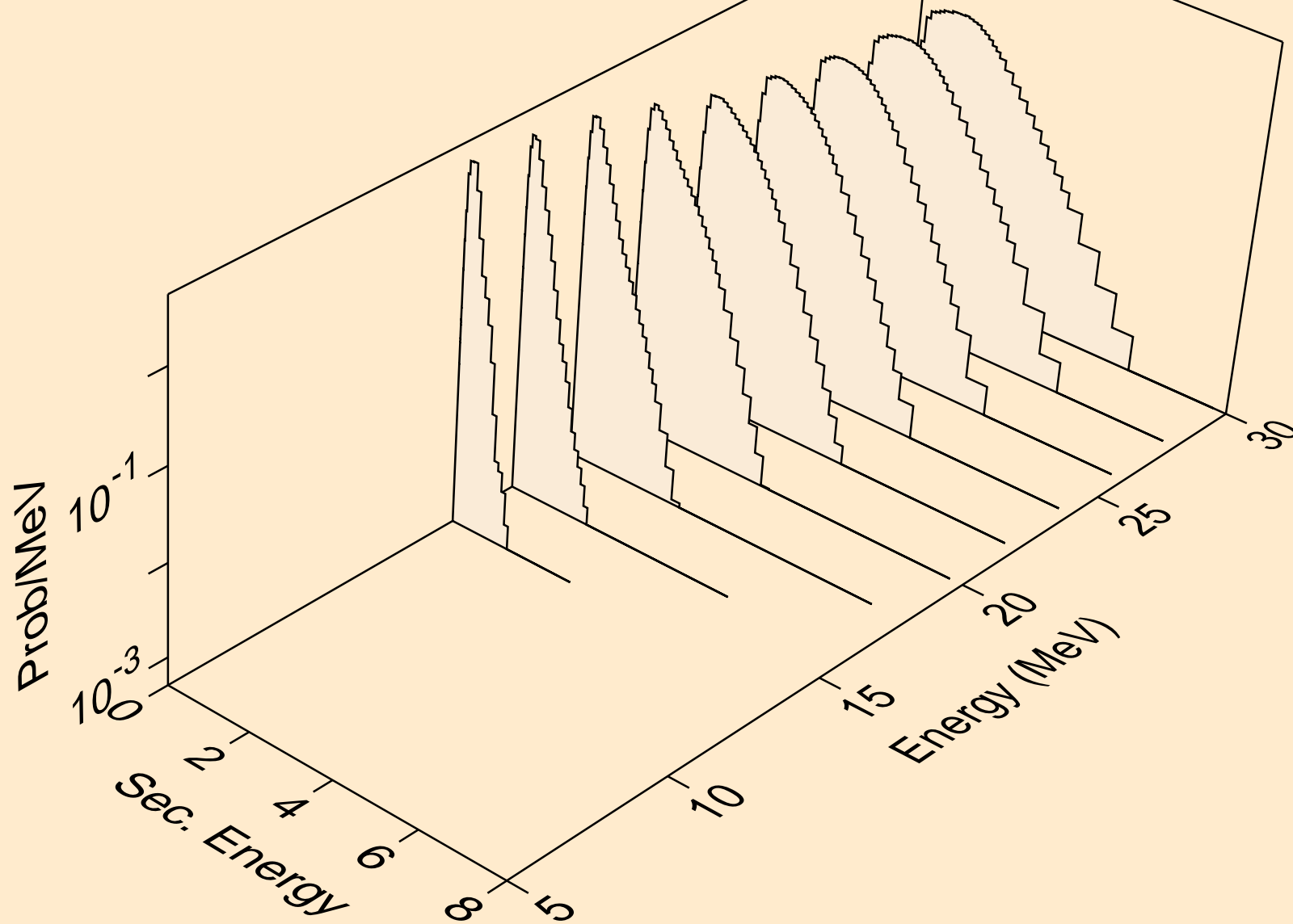
BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



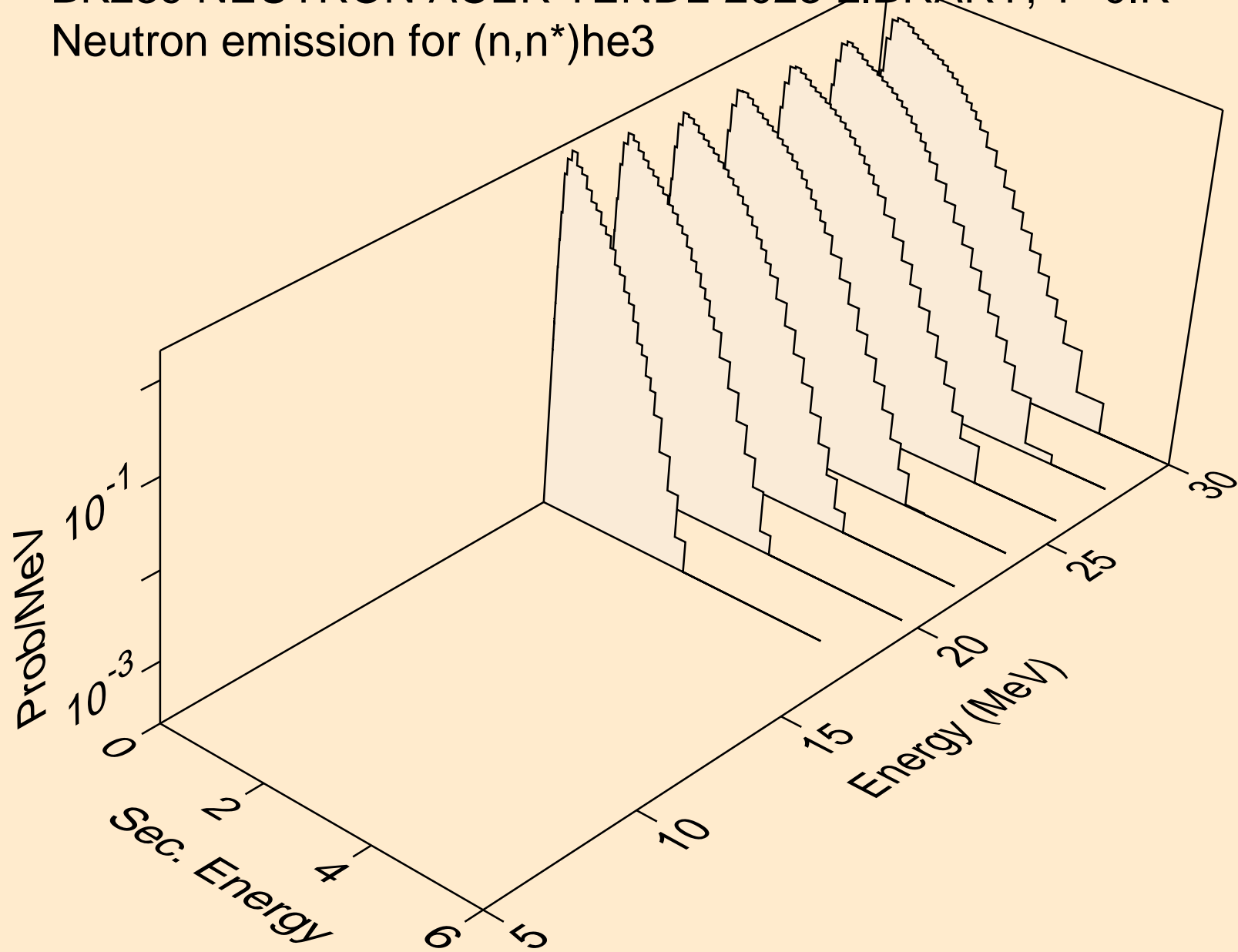
BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d



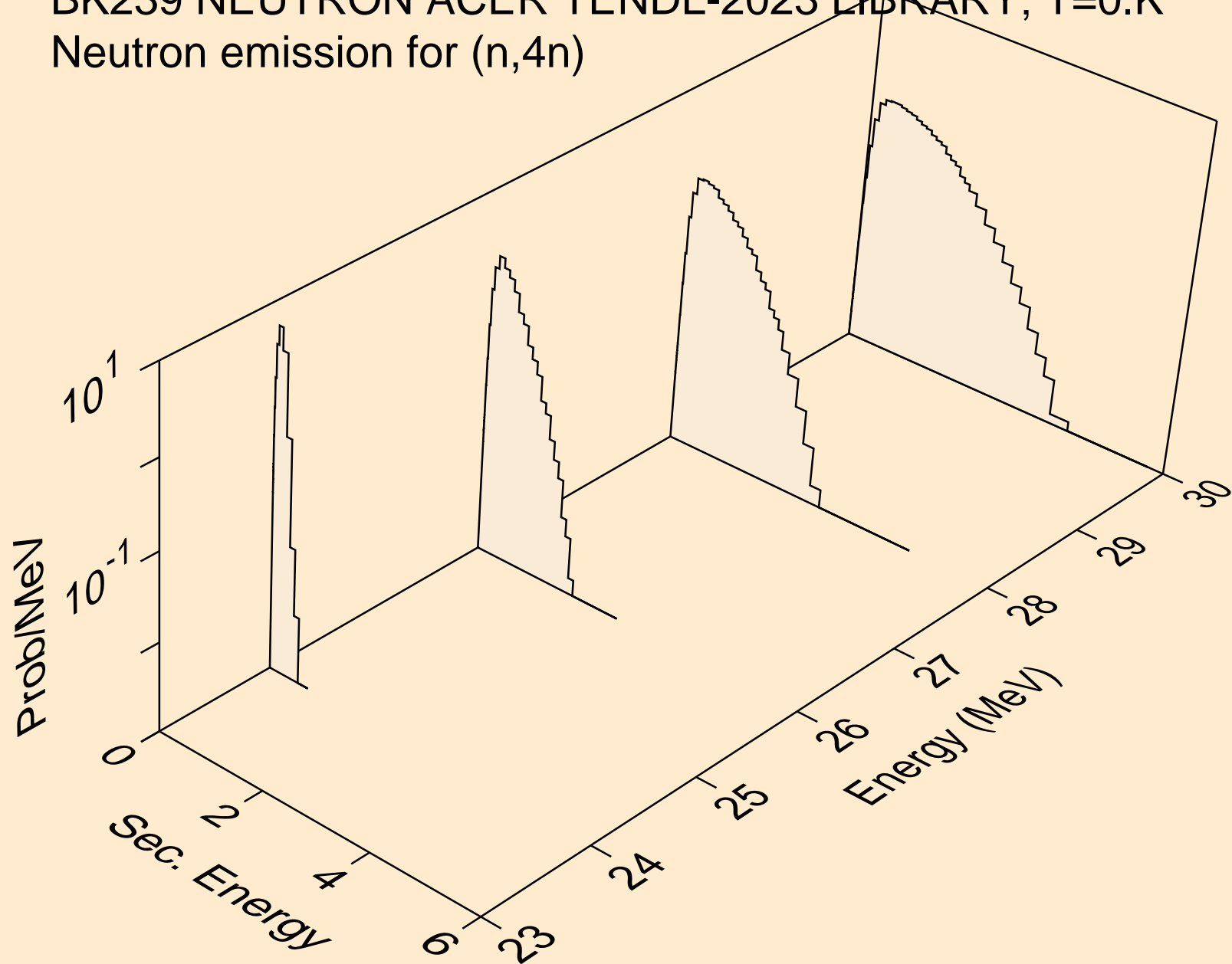
BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3

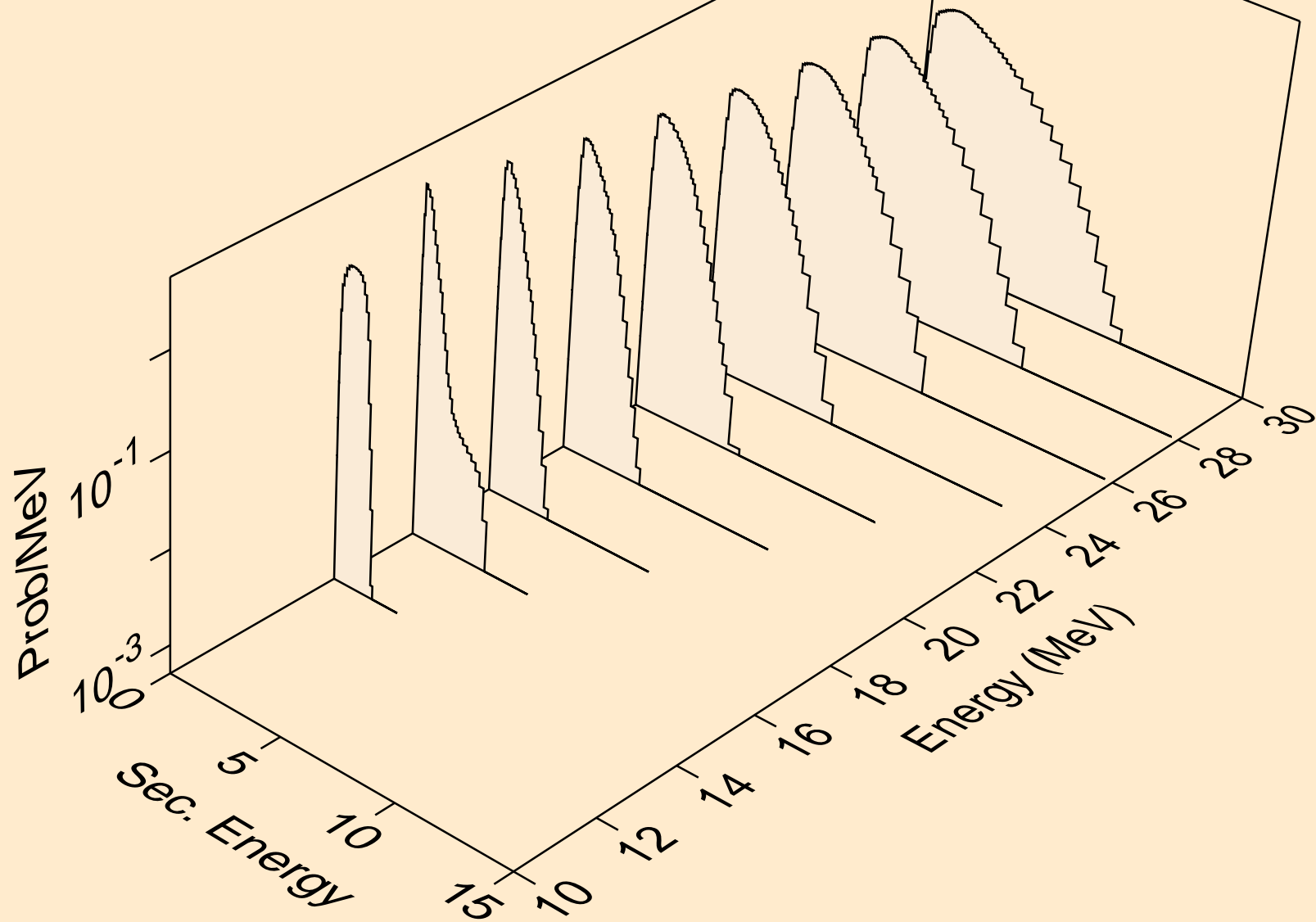


BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,4n)

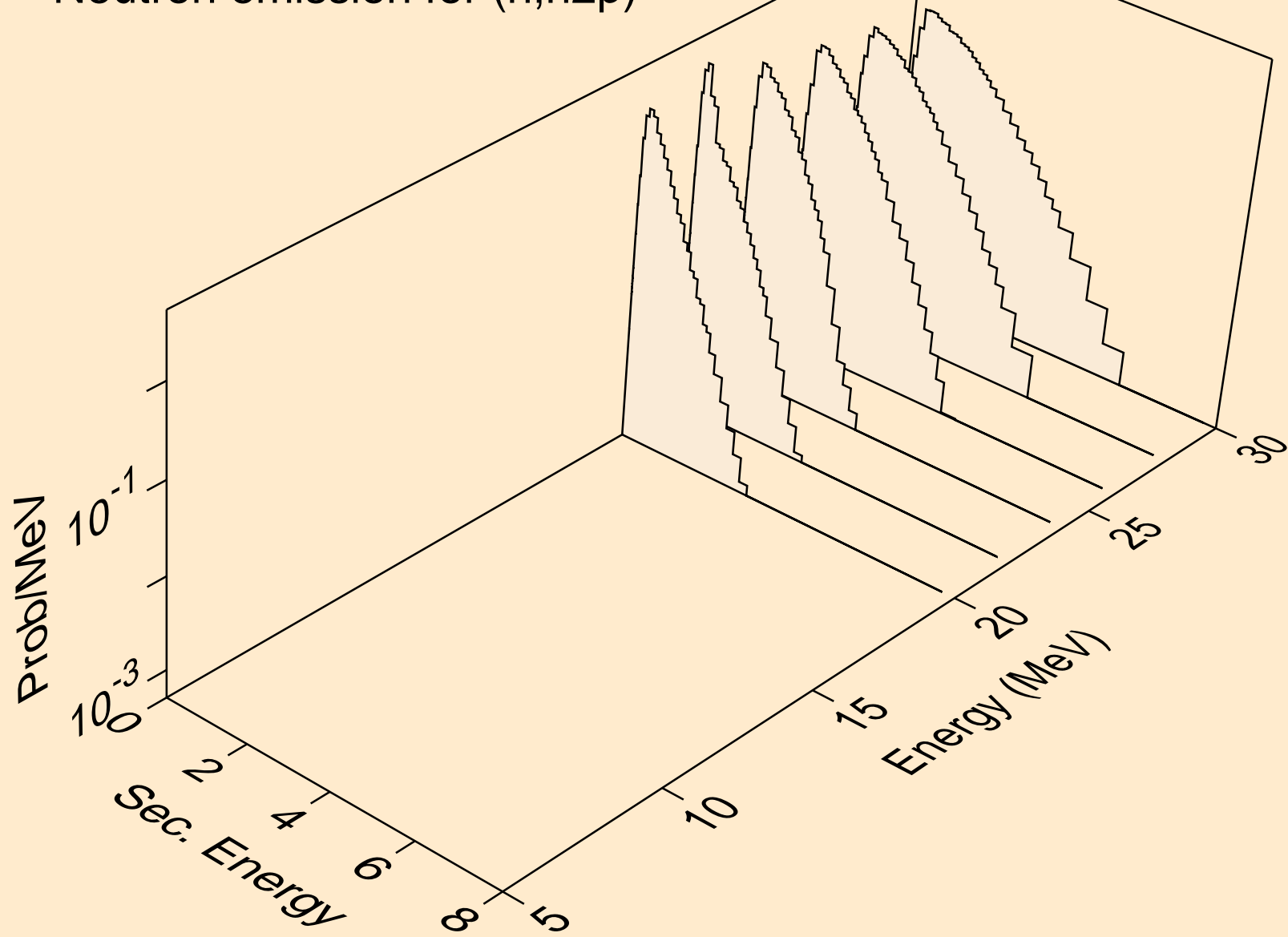




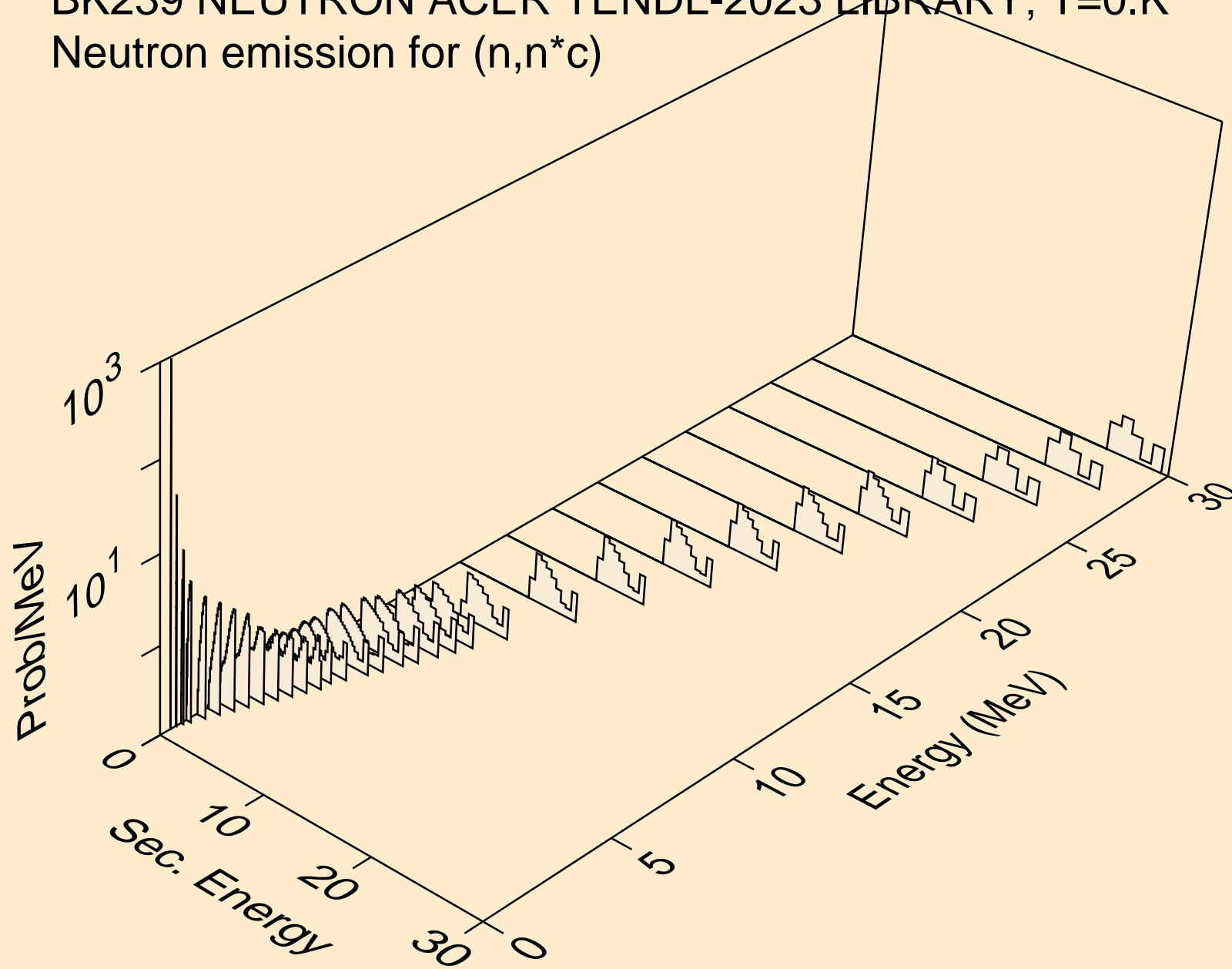
BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2np)



BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n2p)

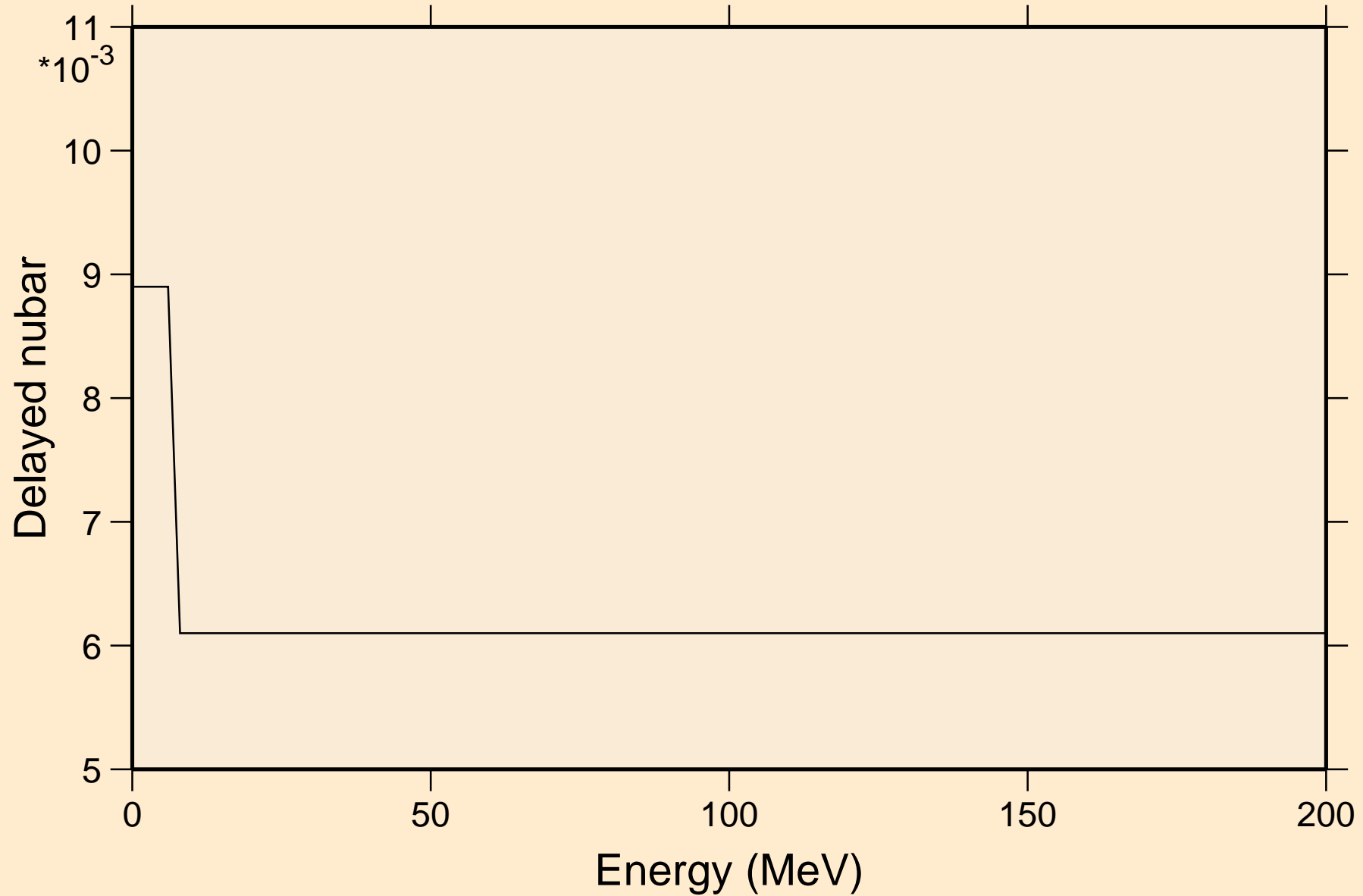


BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)



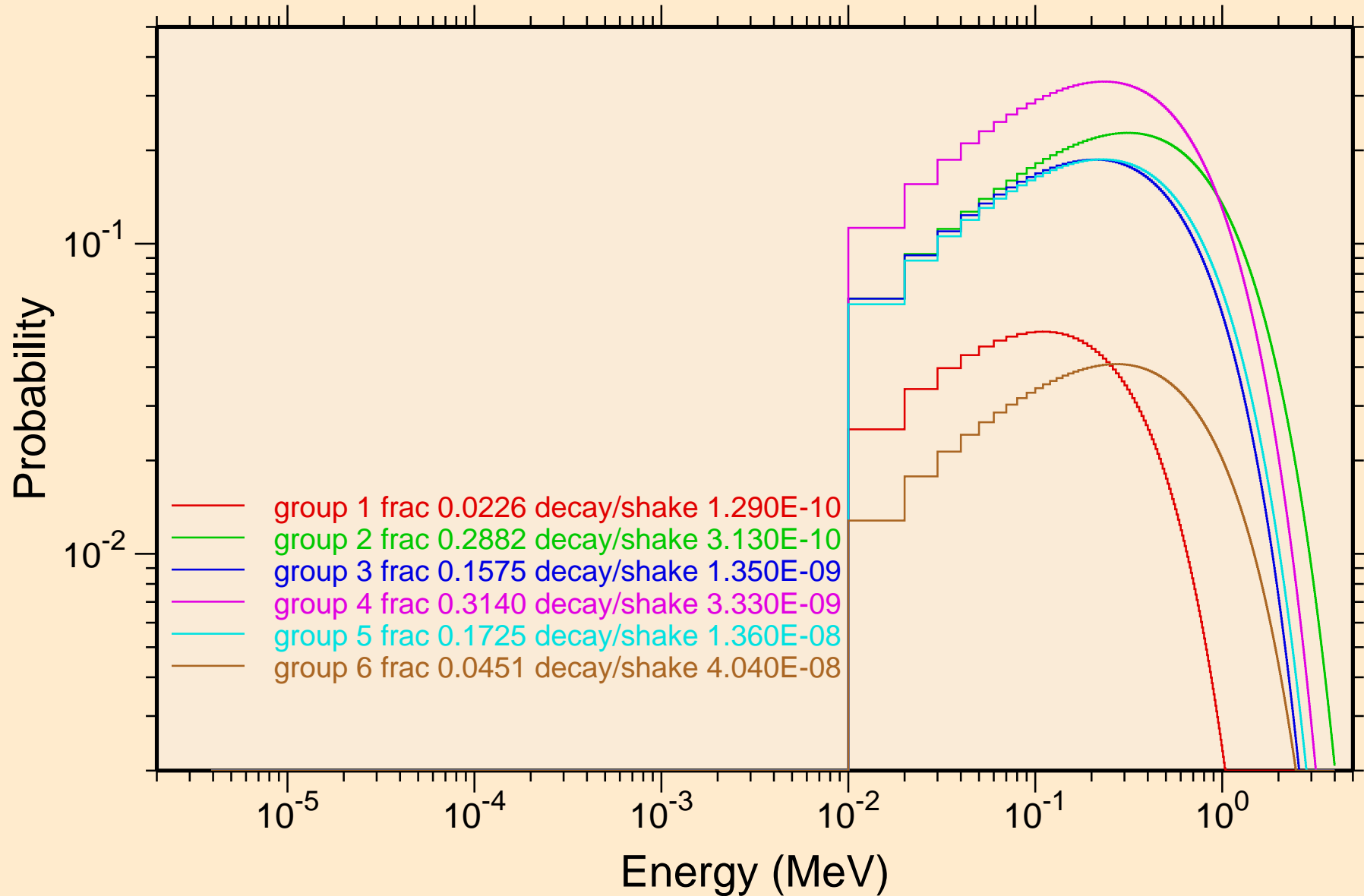
# BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Delayed nubar

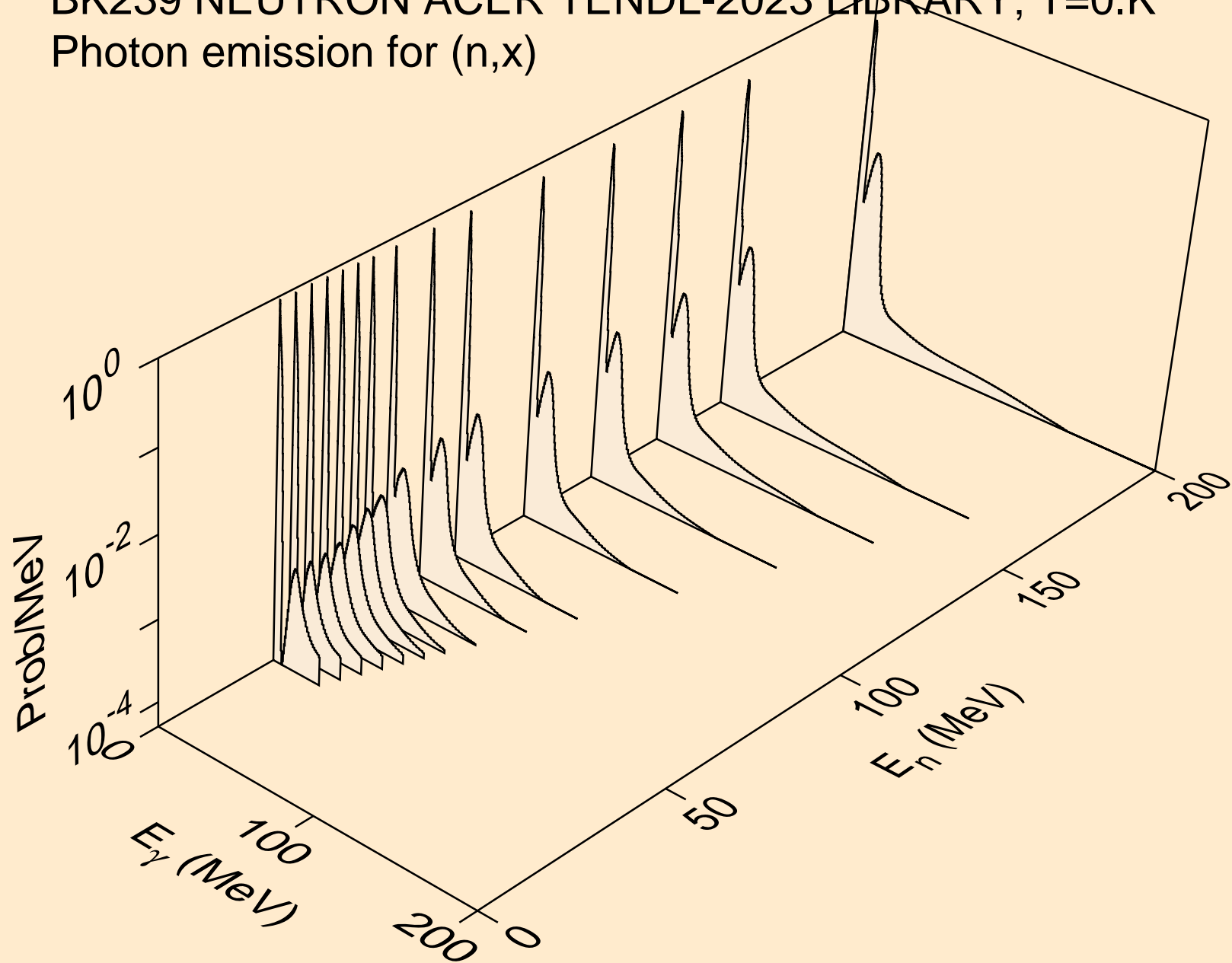


# BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

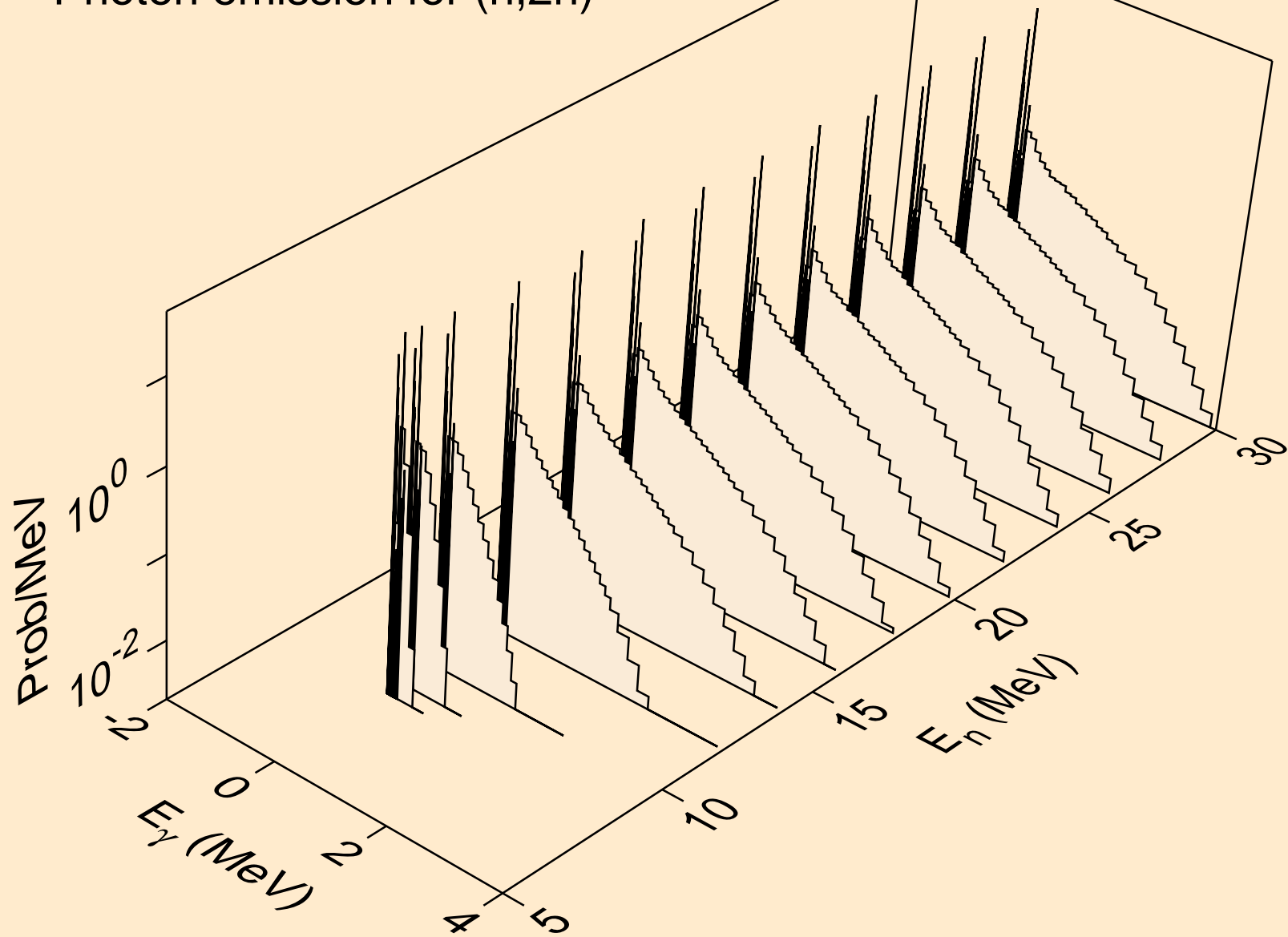
## Delayed neutron spectra



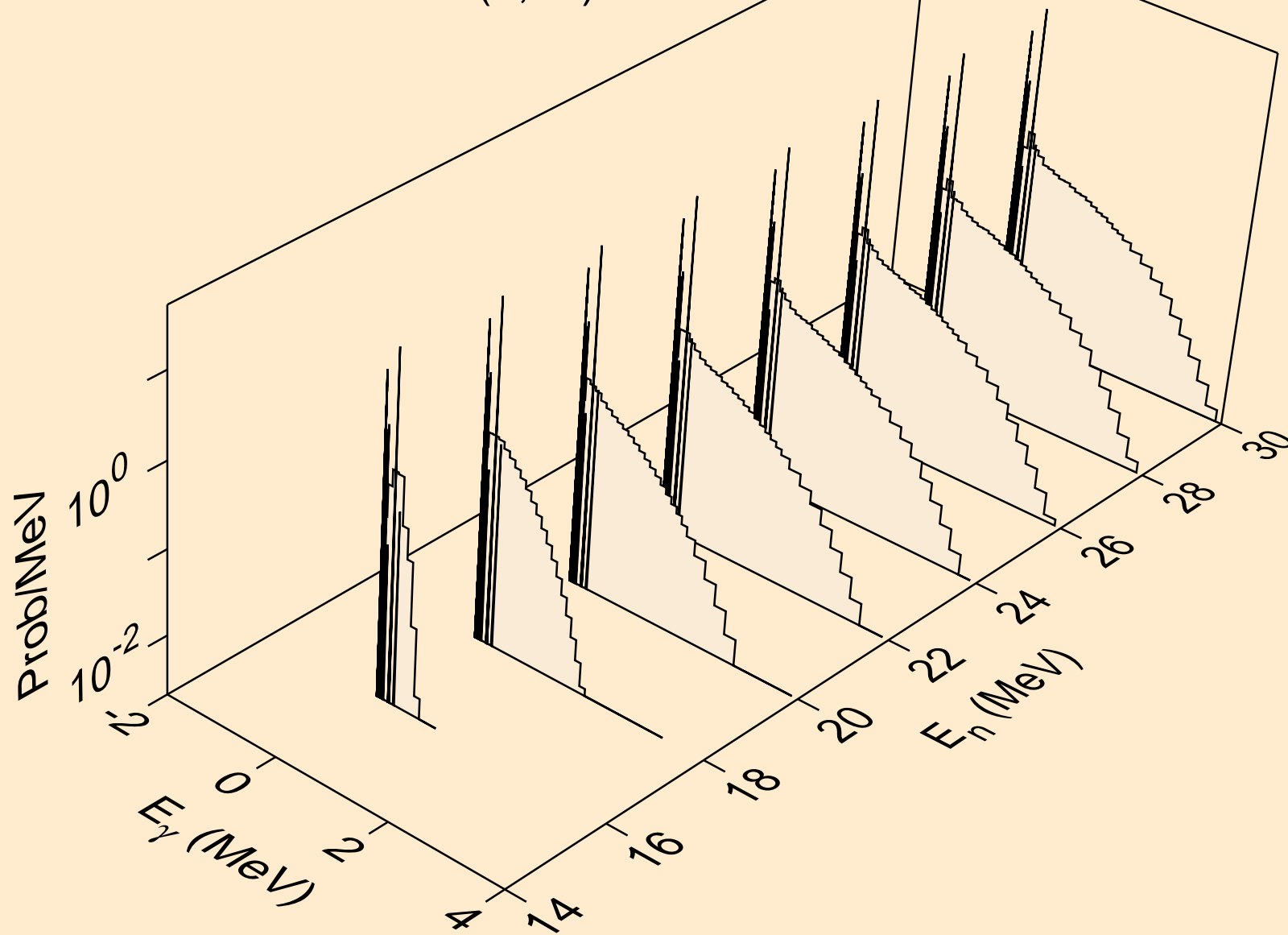
BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,x)



BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)

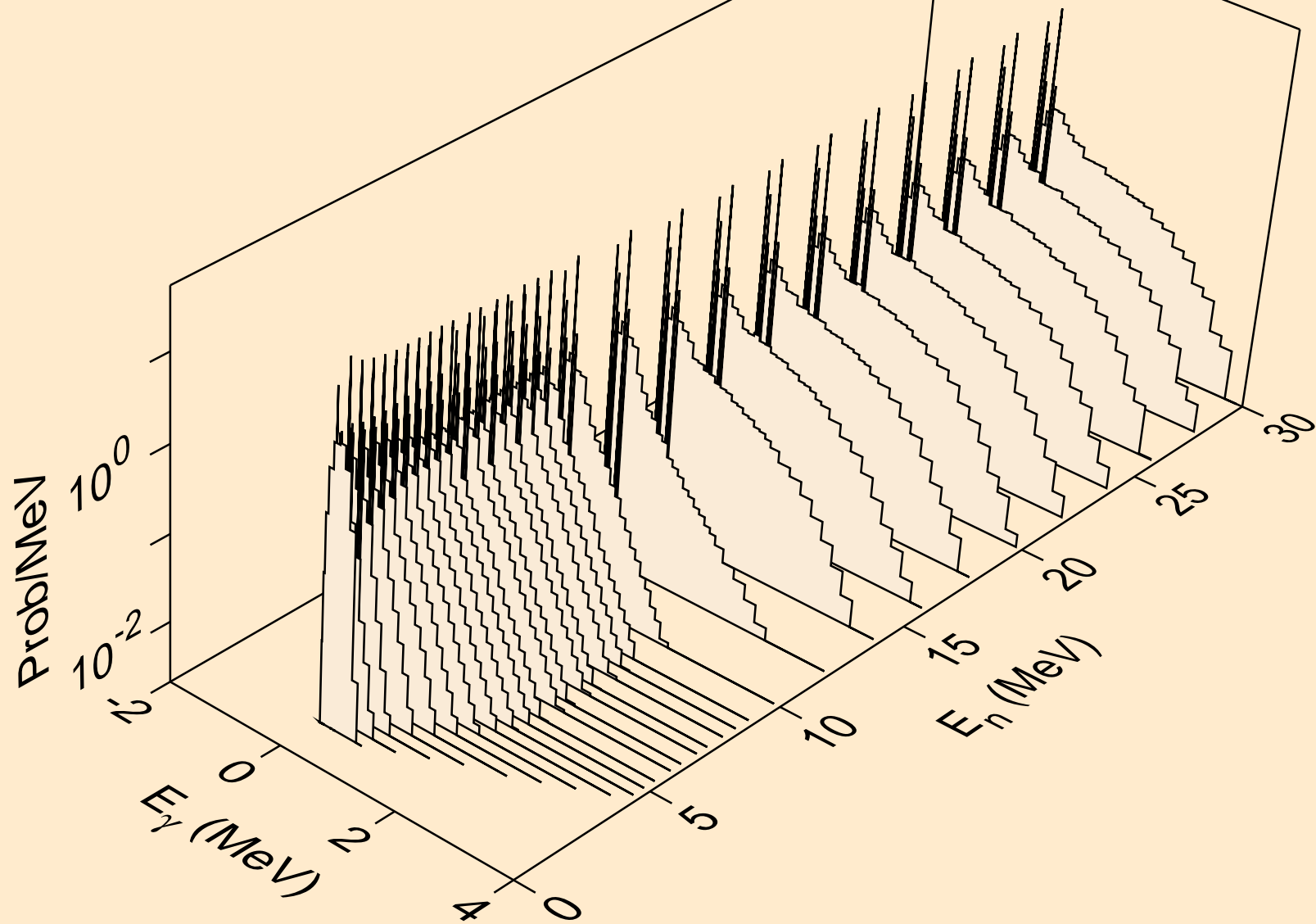


BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)

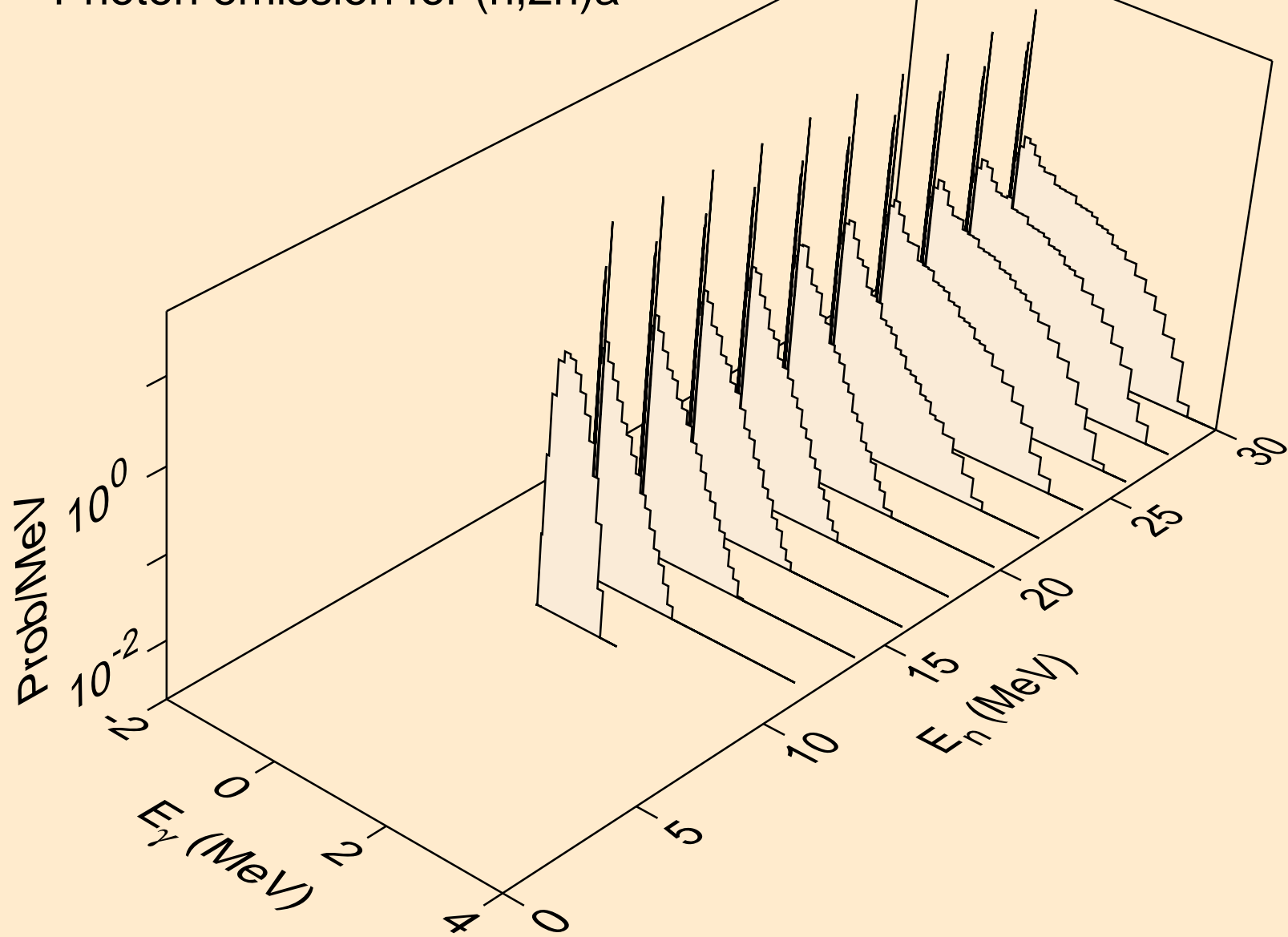




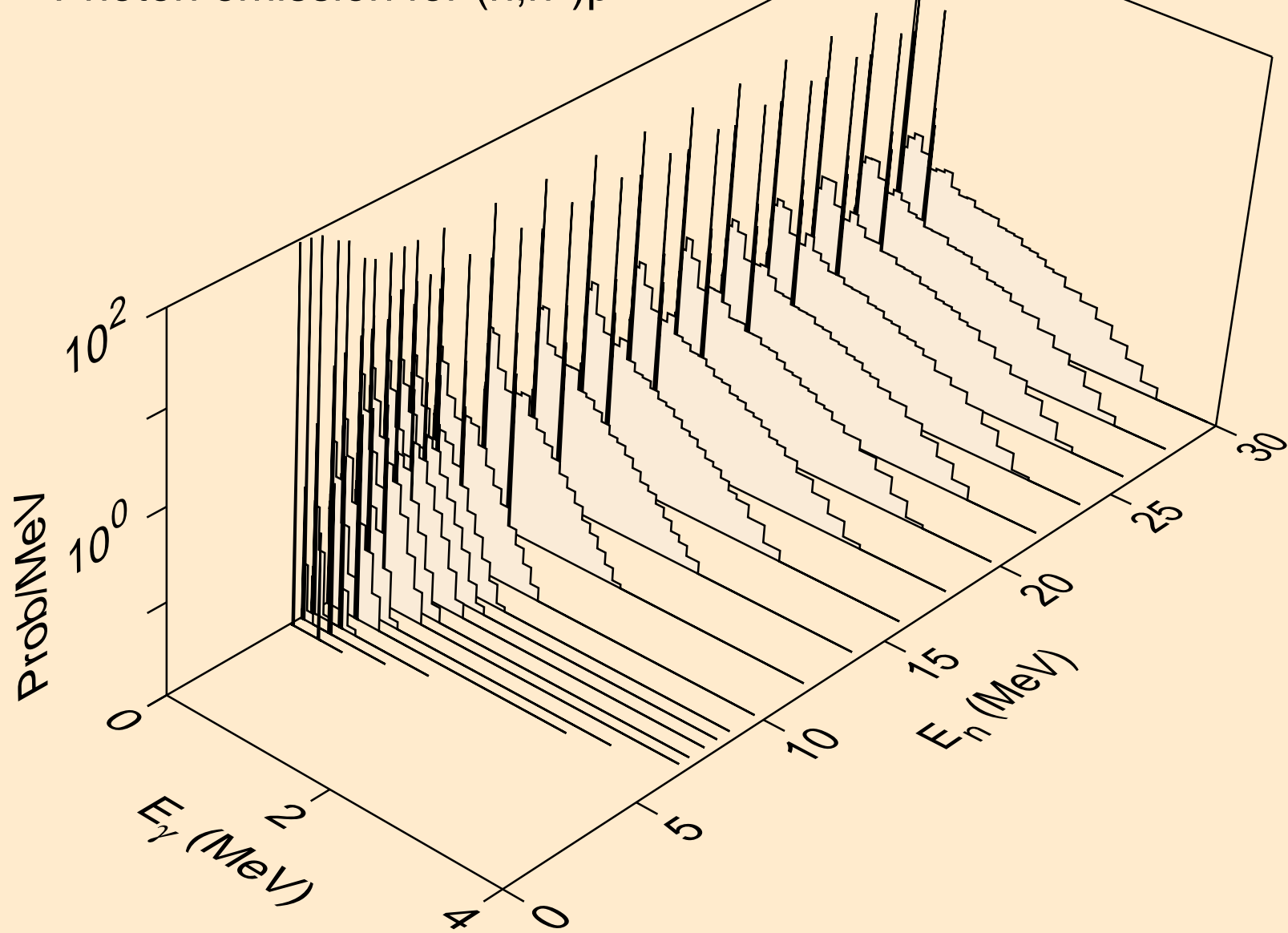
BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



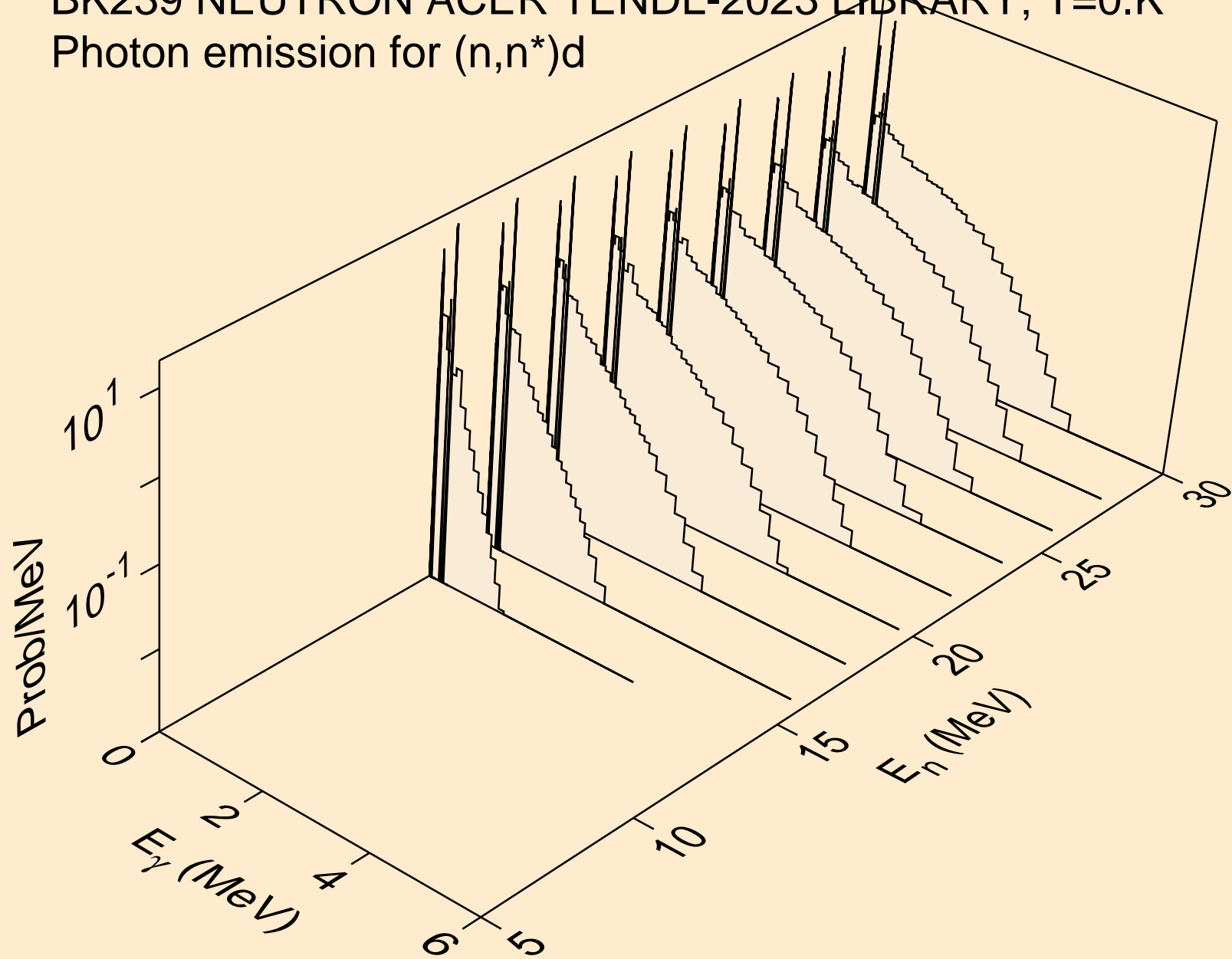
BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a



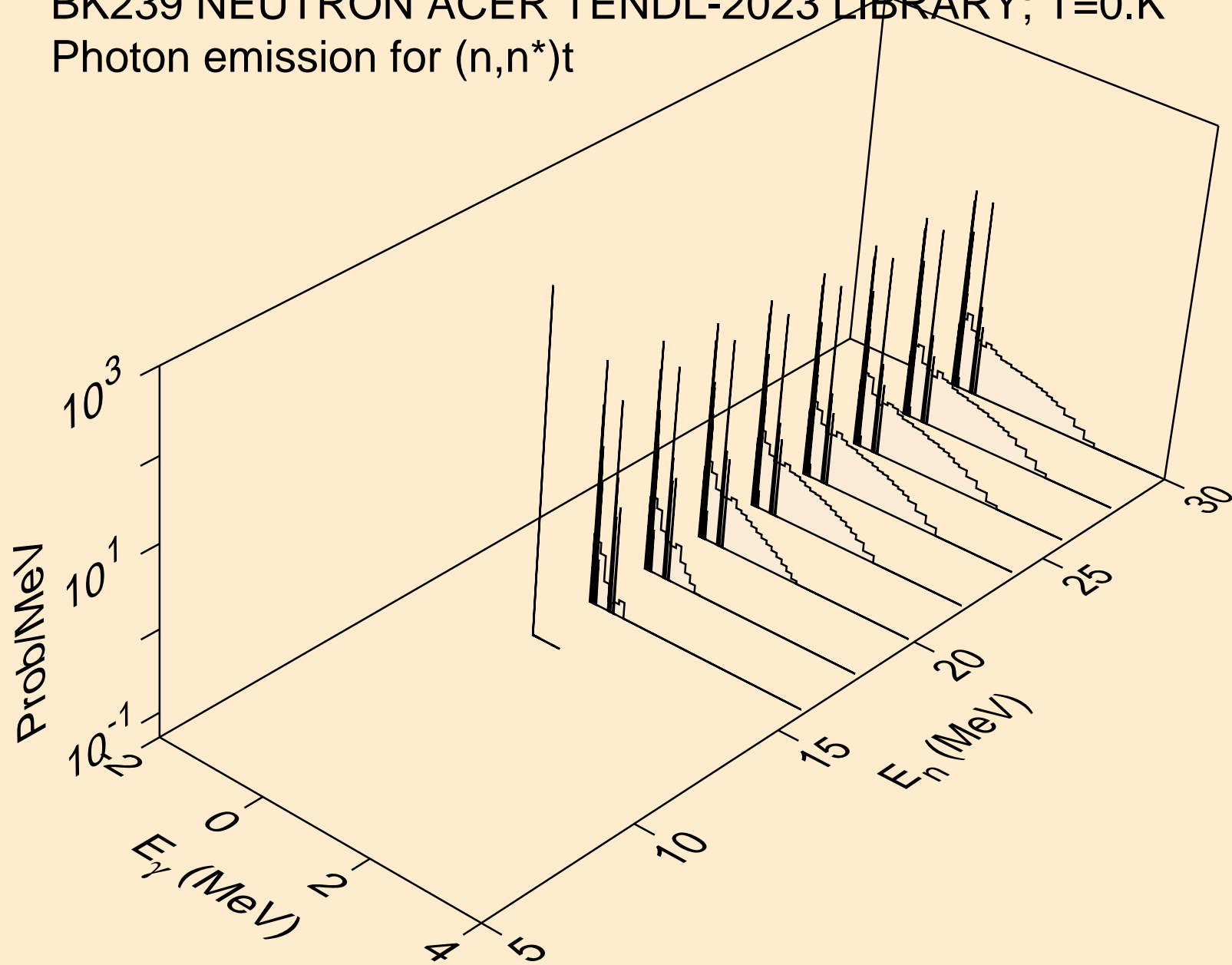
BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



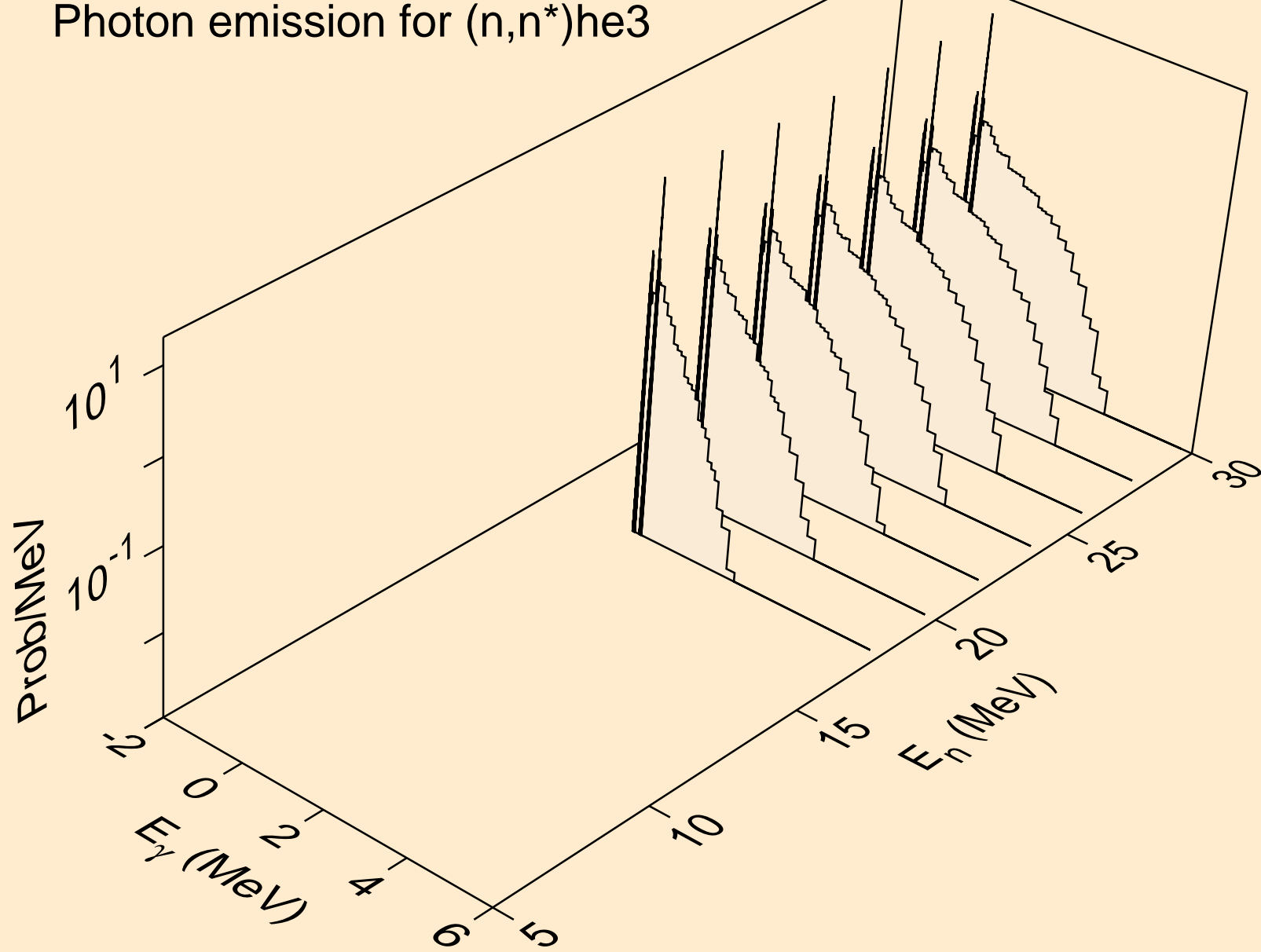
BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



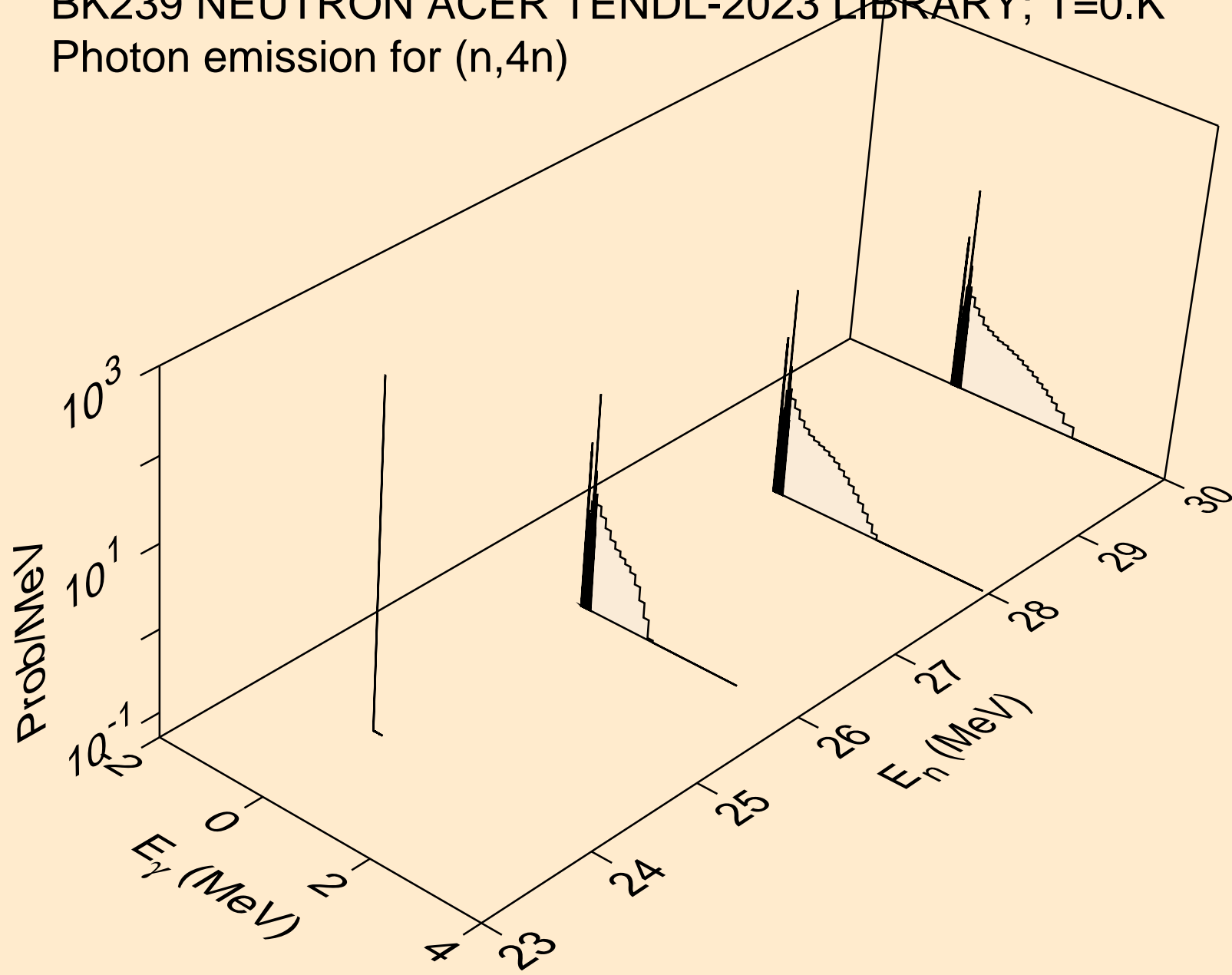
BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



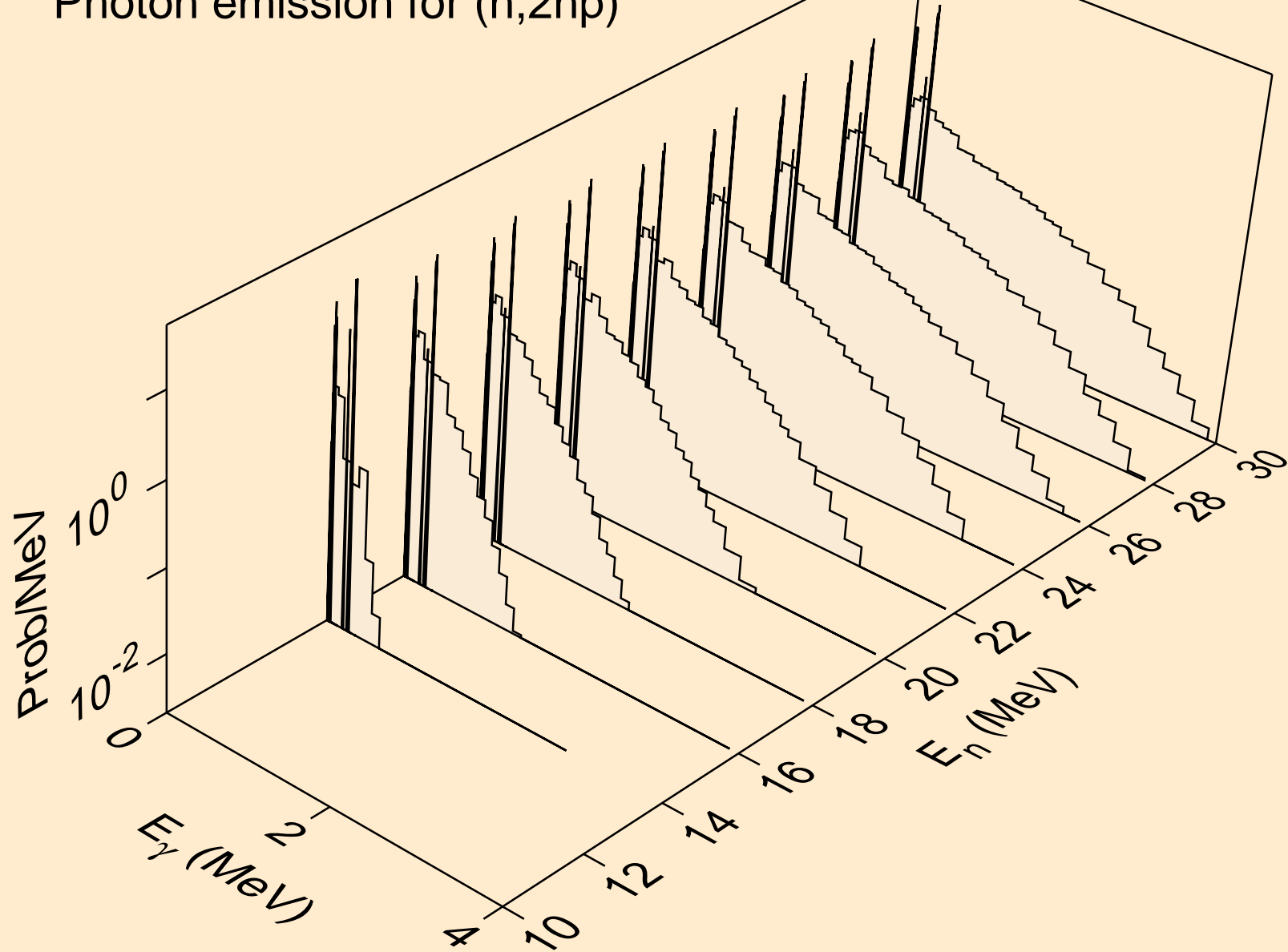
BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,4n)

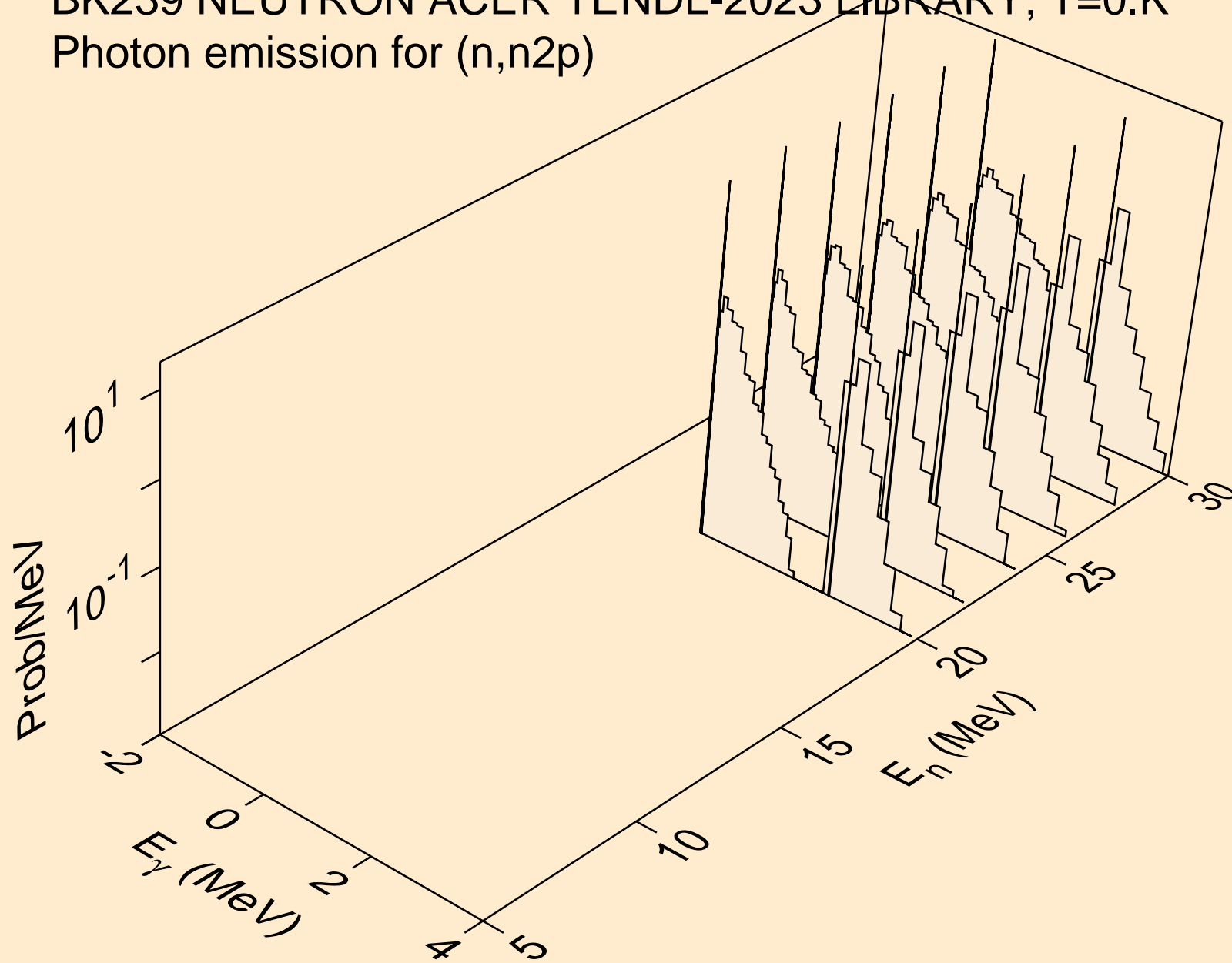


BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)

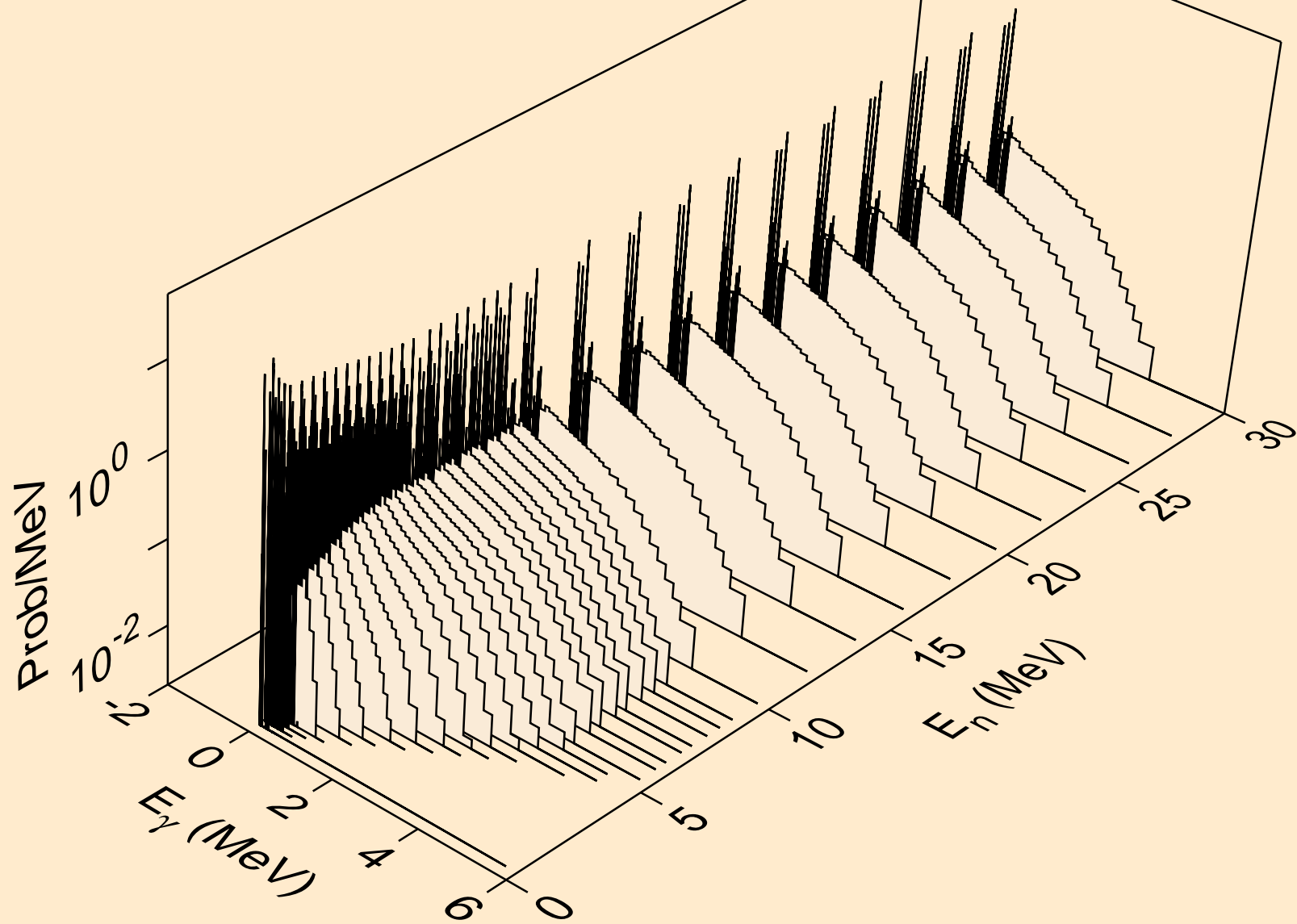




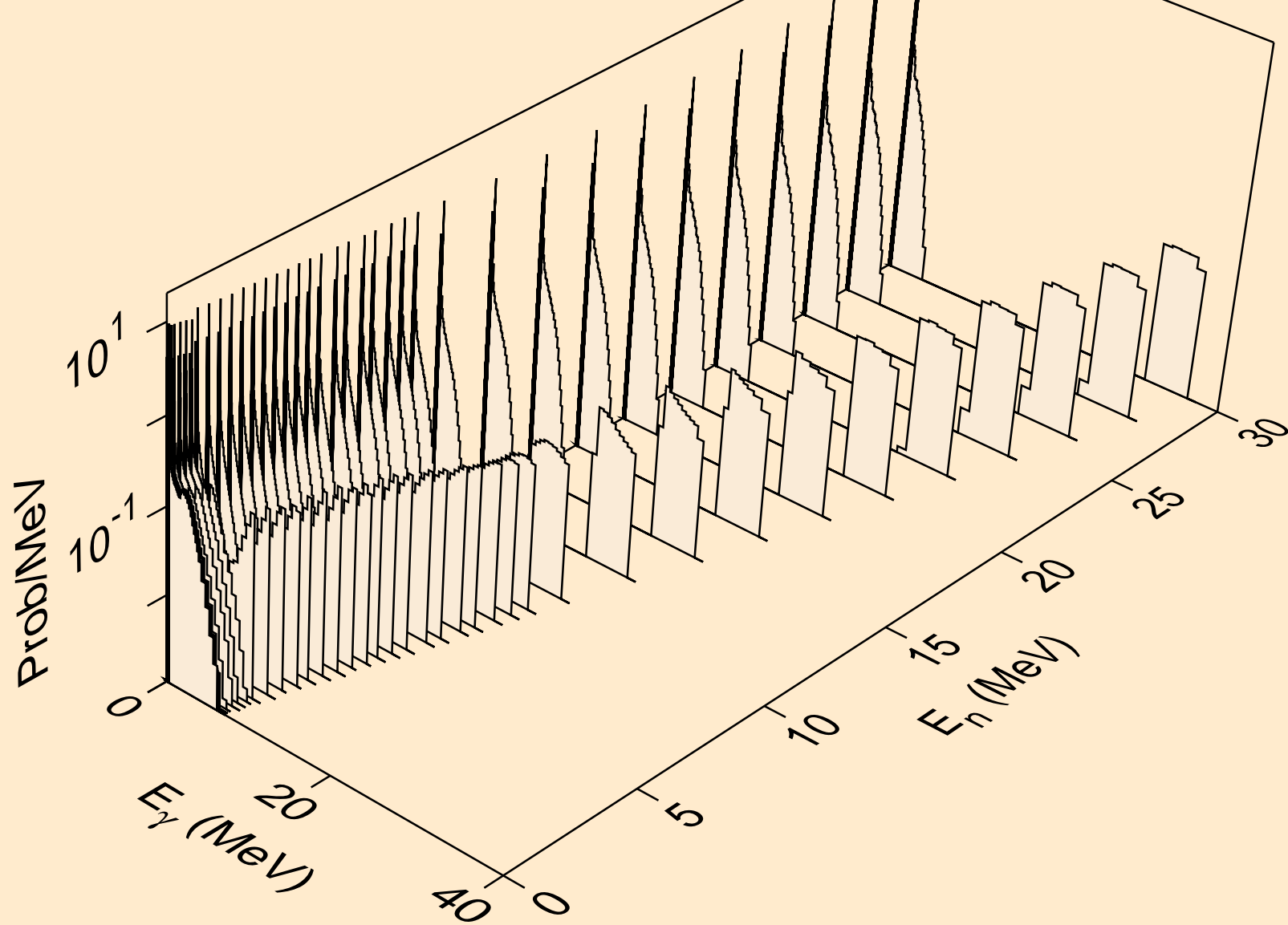
BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)



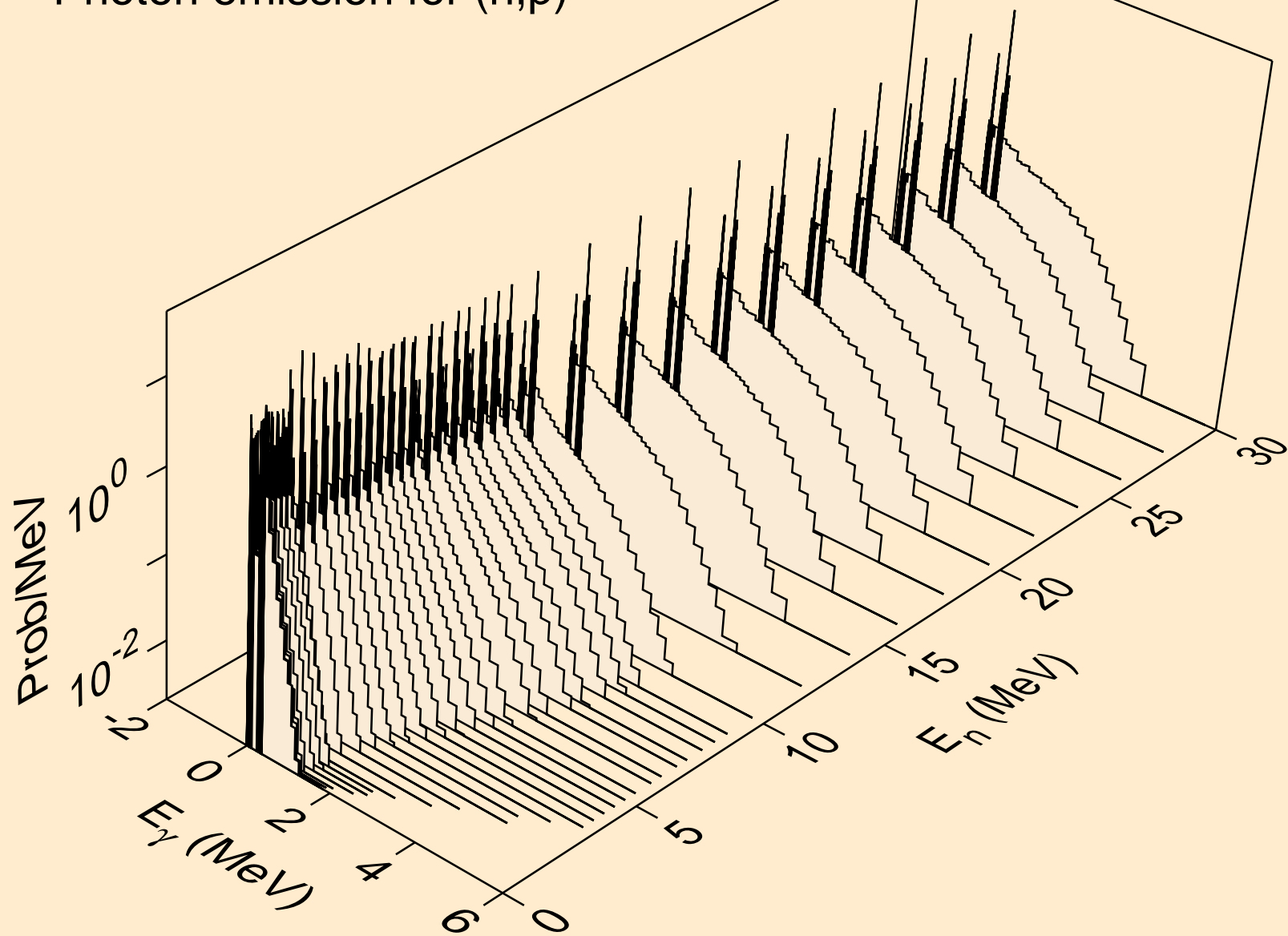
BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*c)



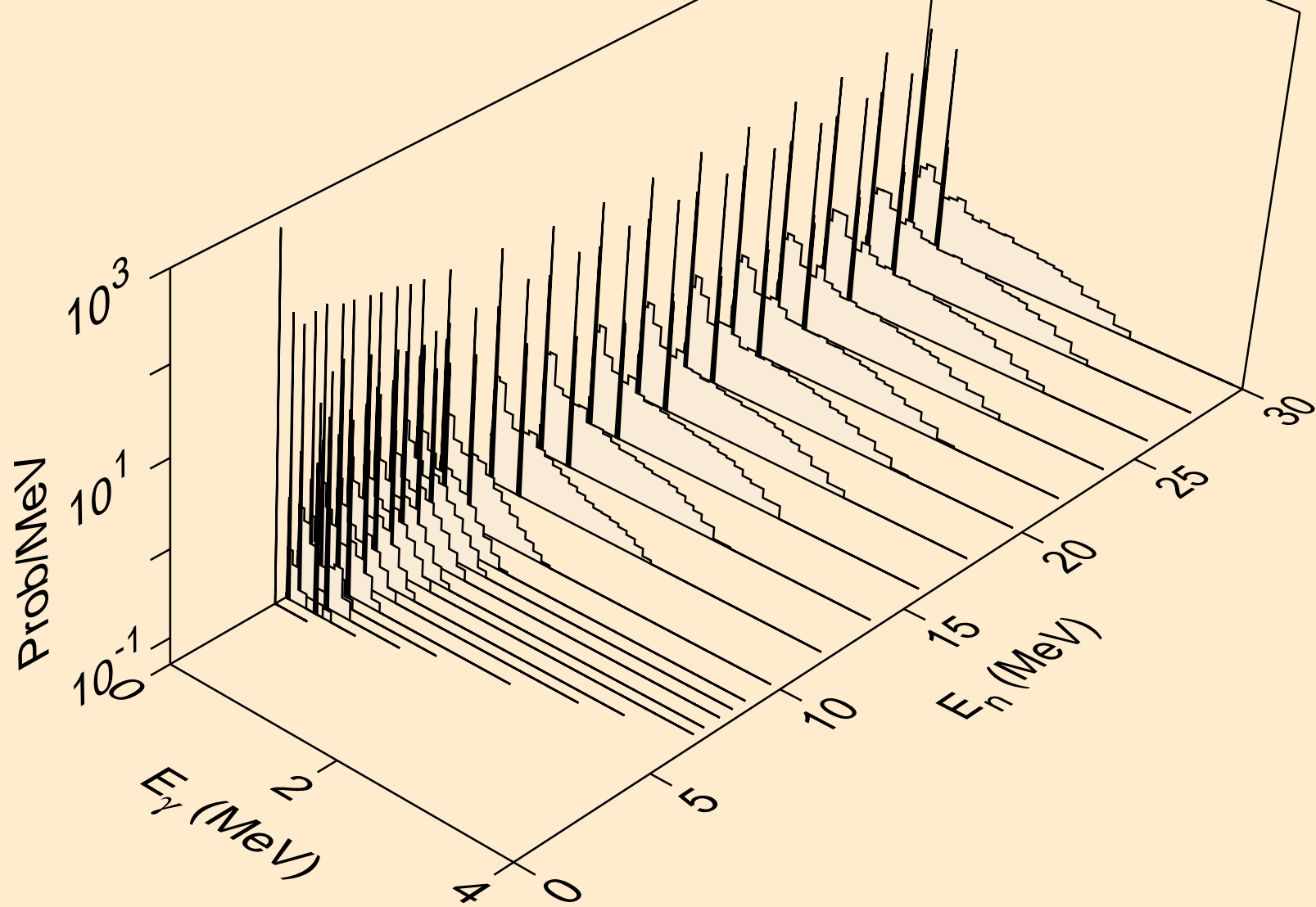
BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)



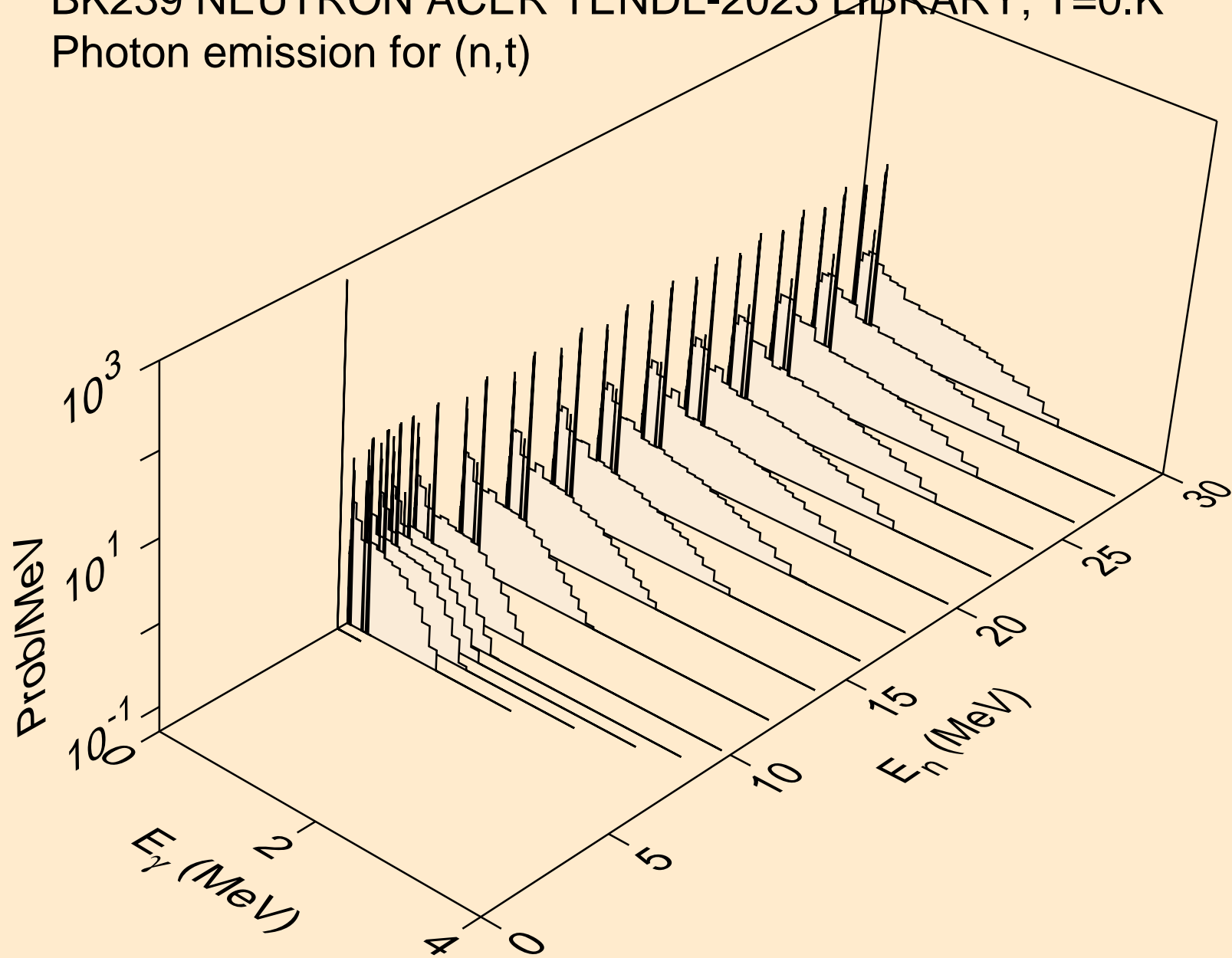
BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)



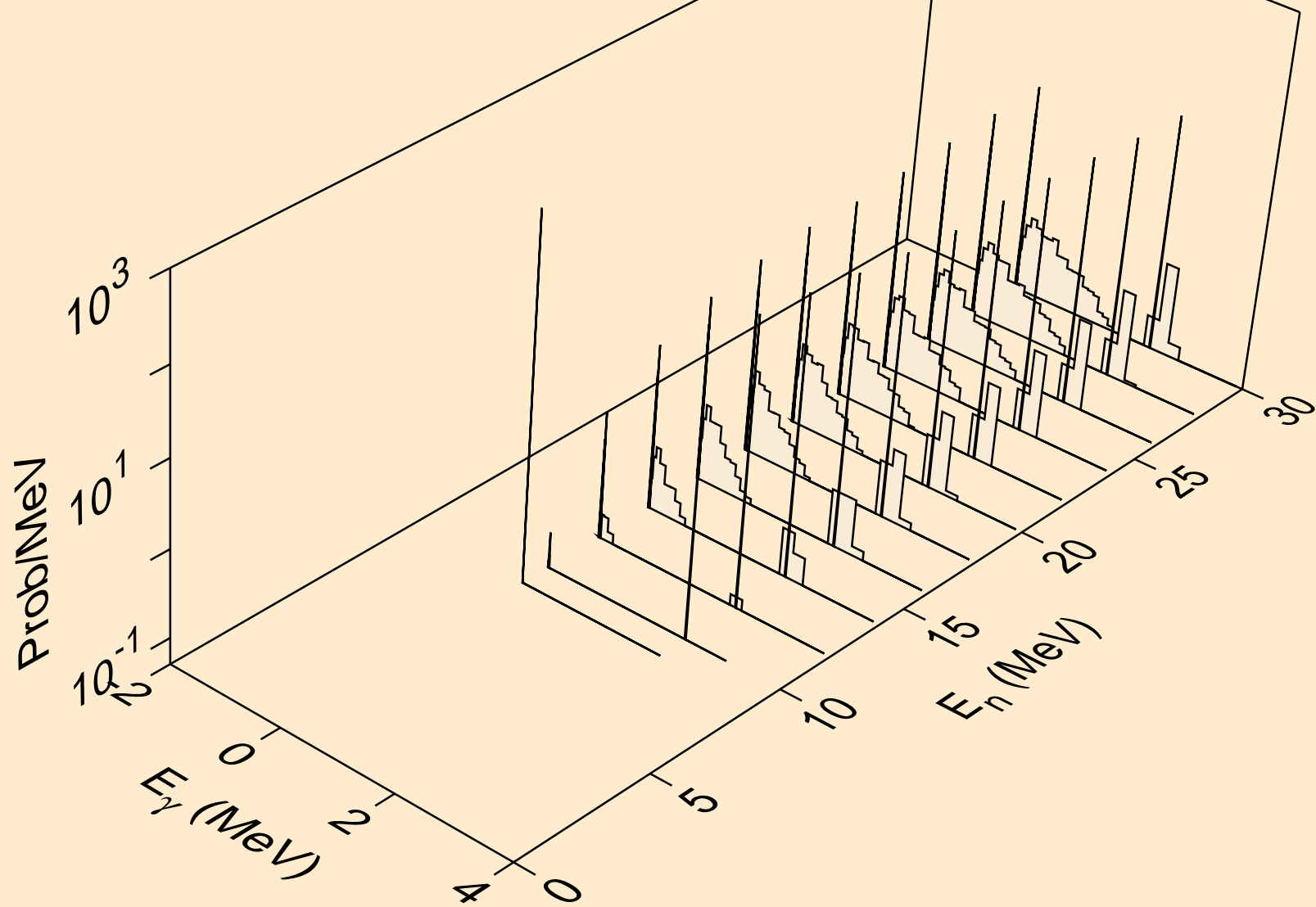
BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)



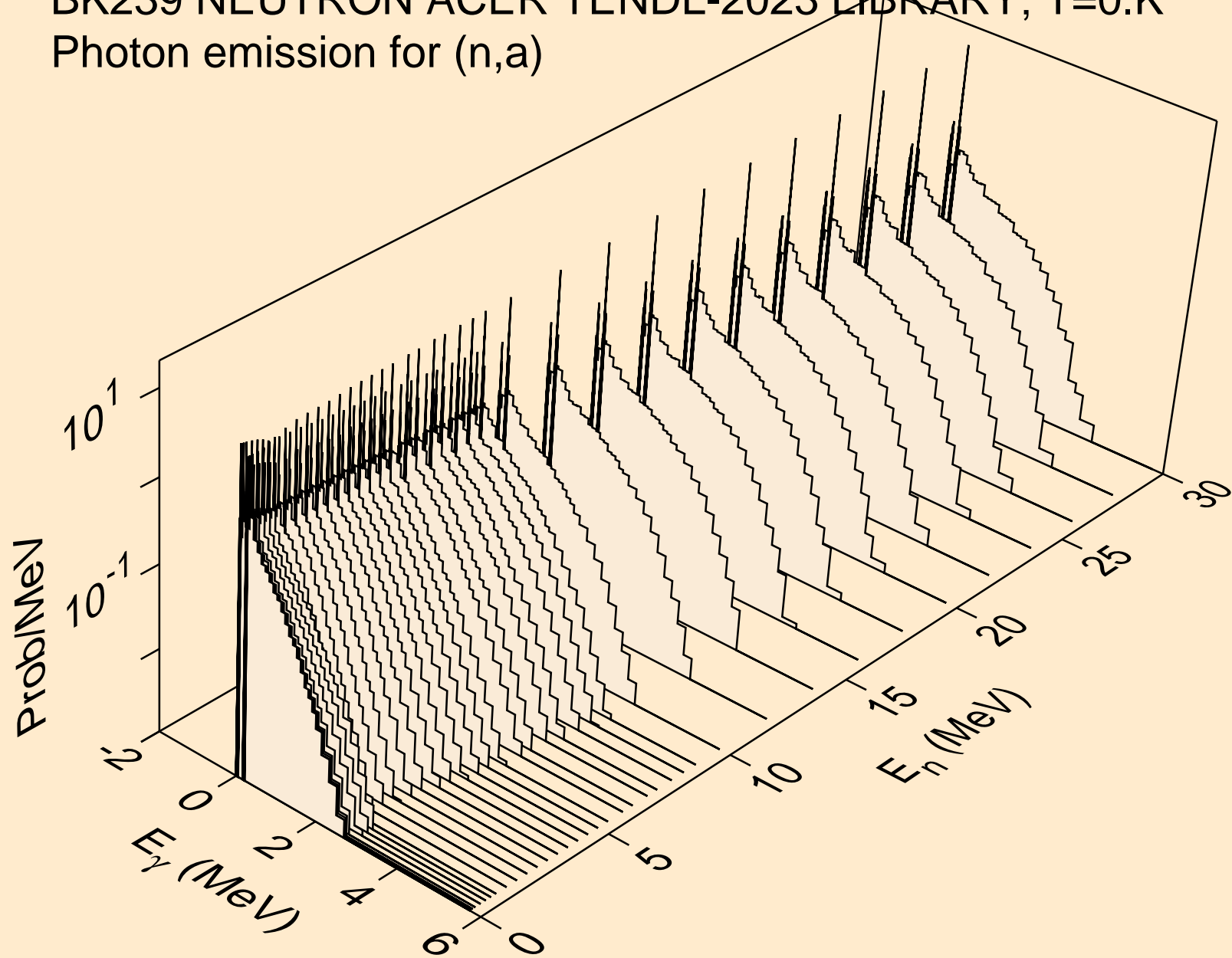
BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)



BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)

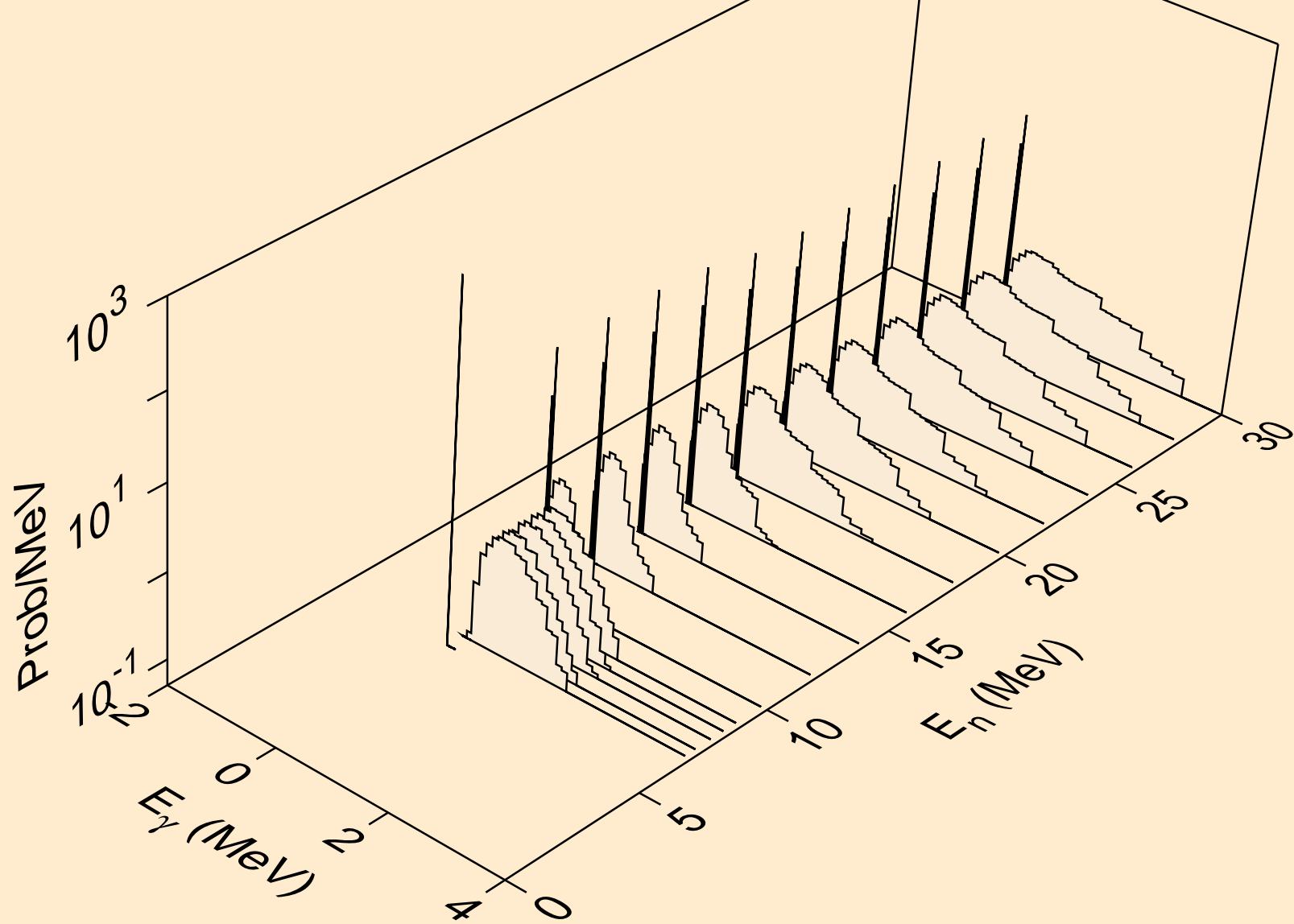


BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)

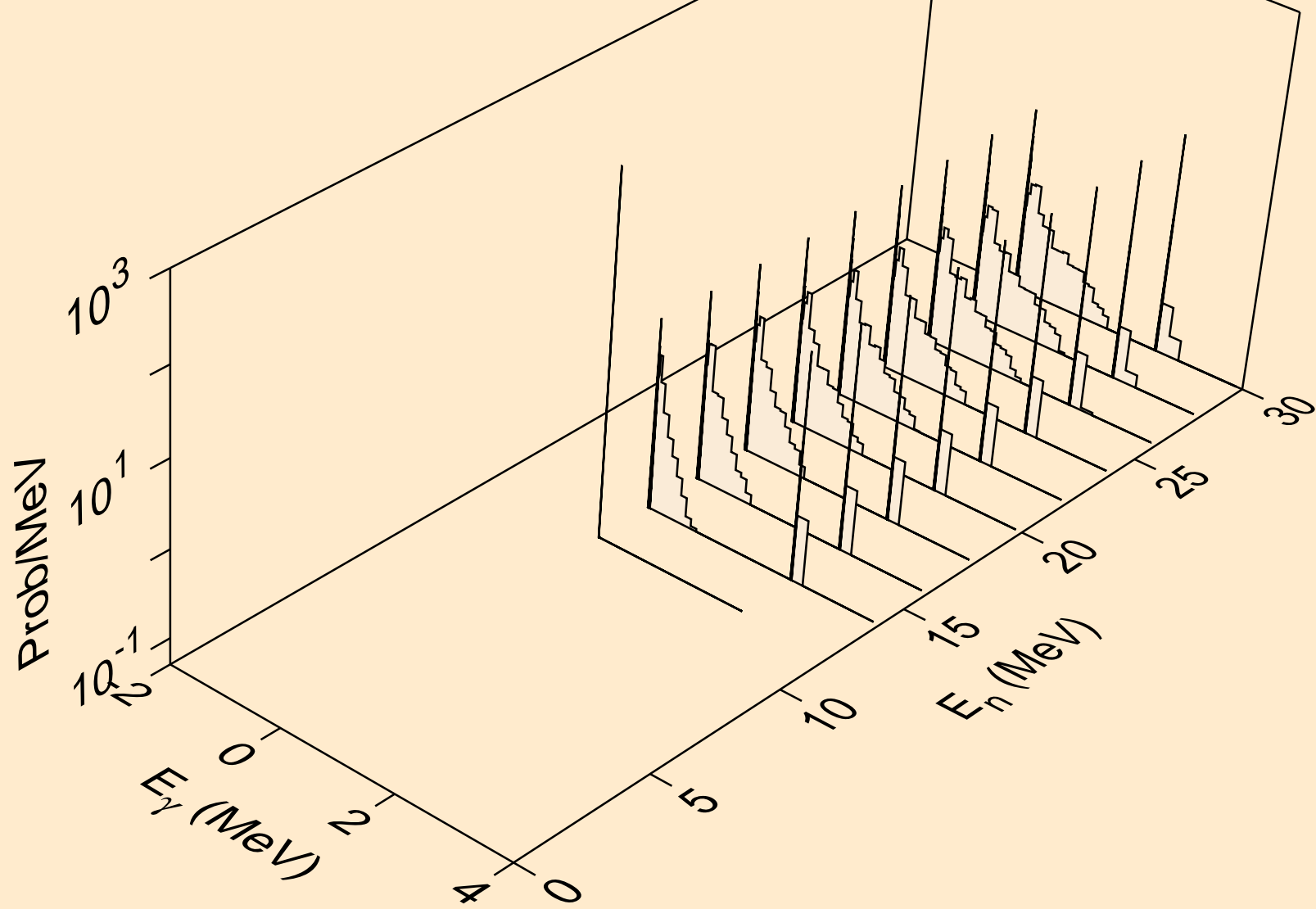




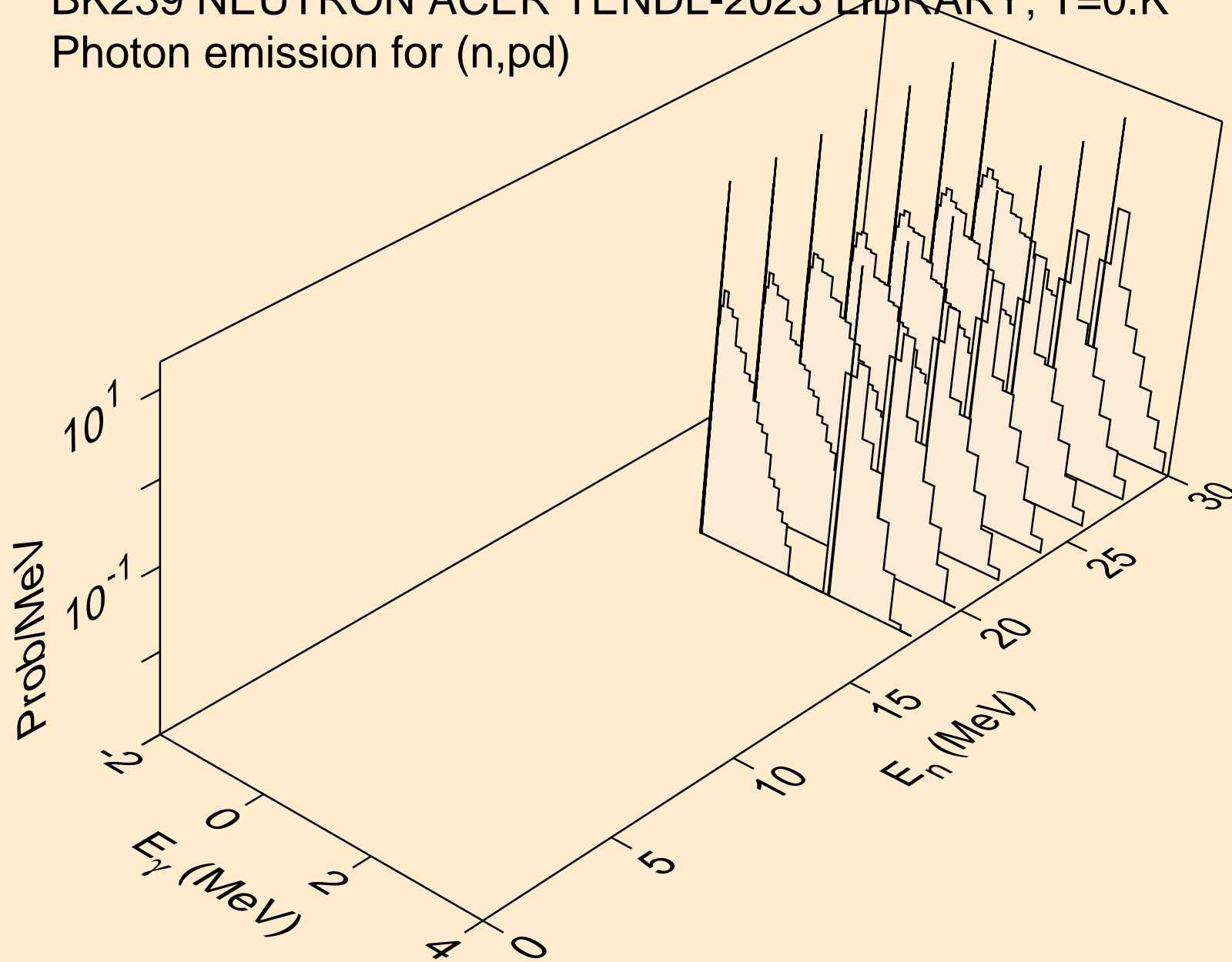
BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2a)



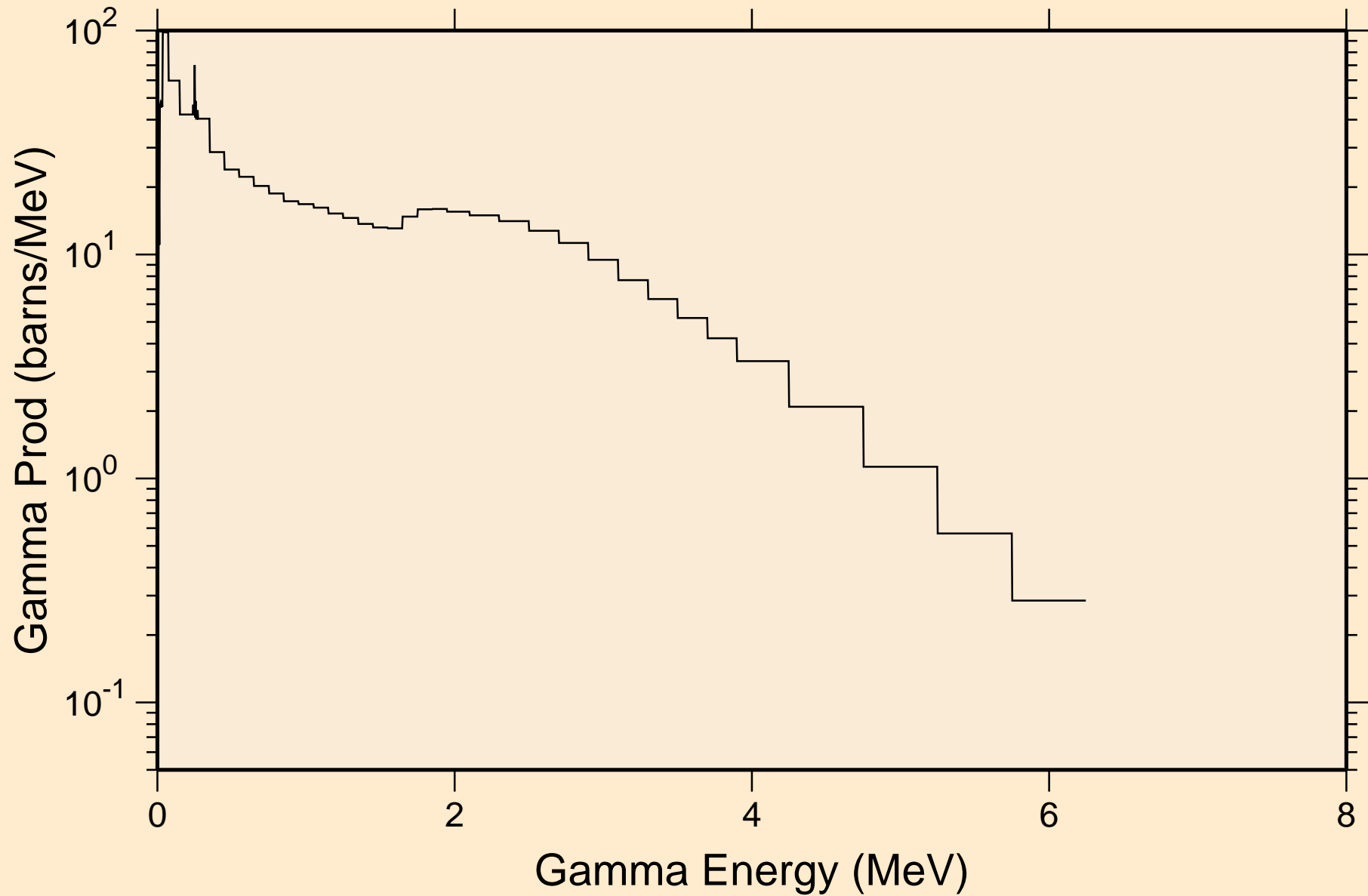
BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)



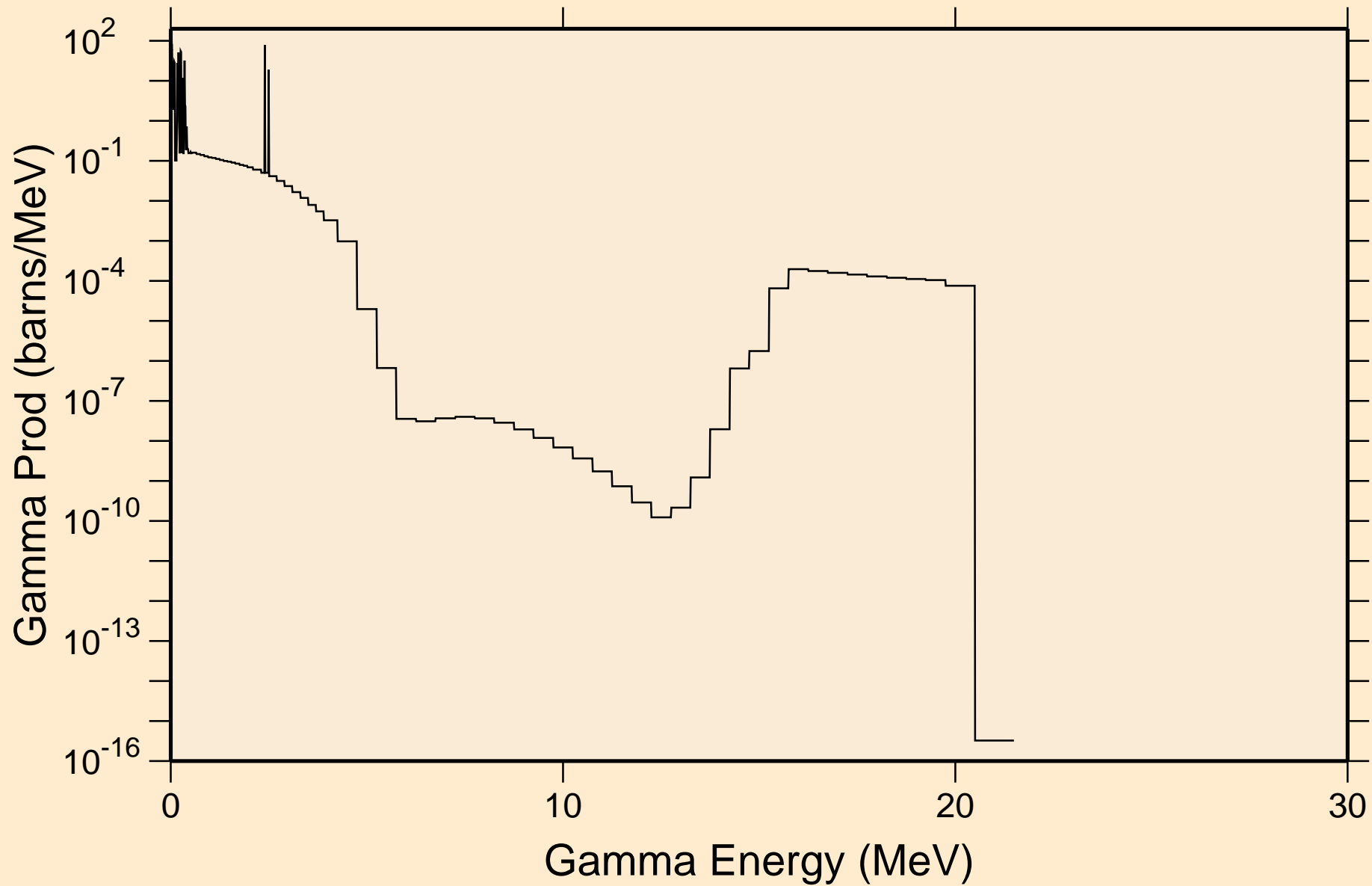
BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)



BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
thermal capture photon spectrum

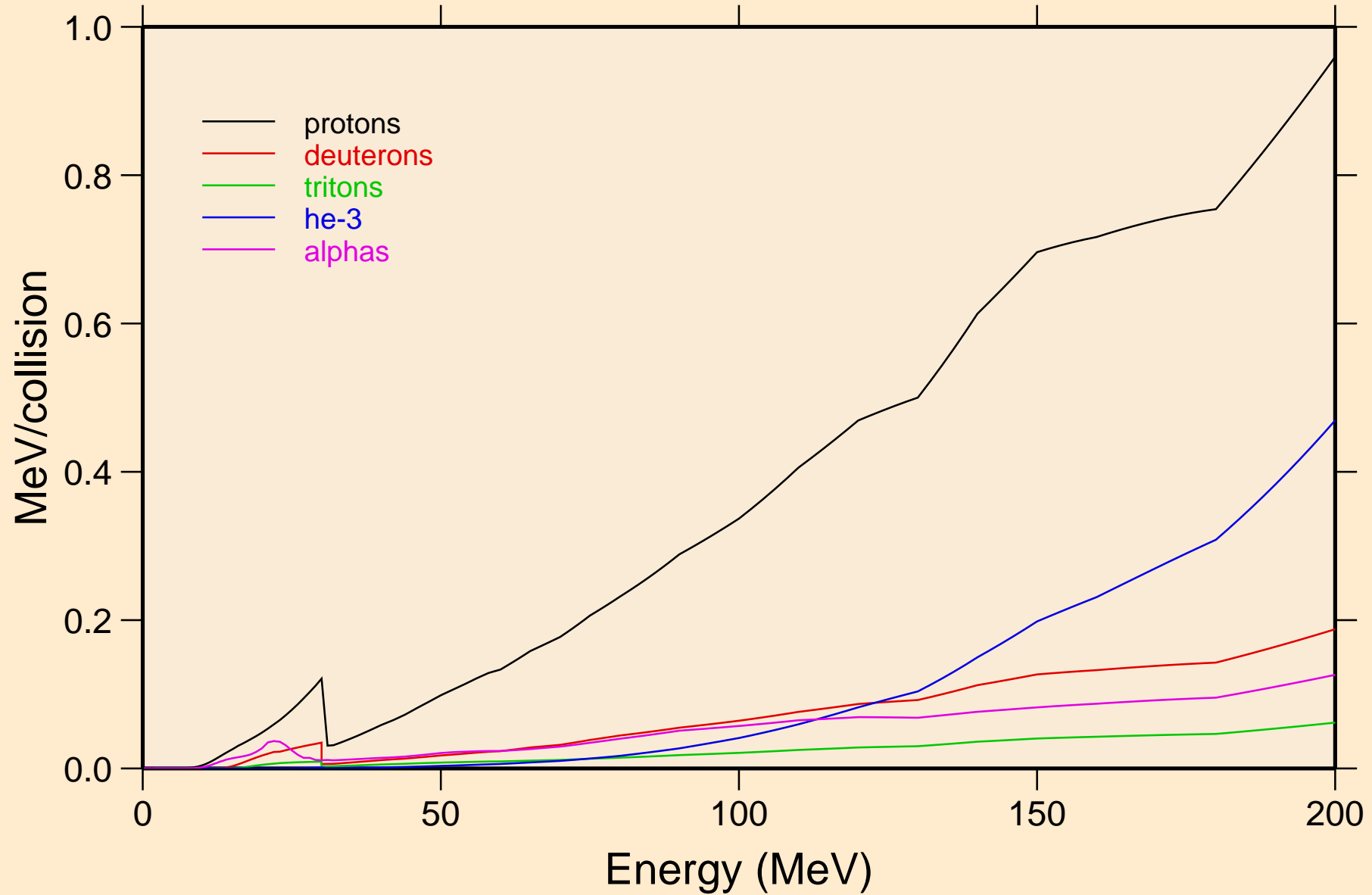


BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
14 MeV photon spectrum

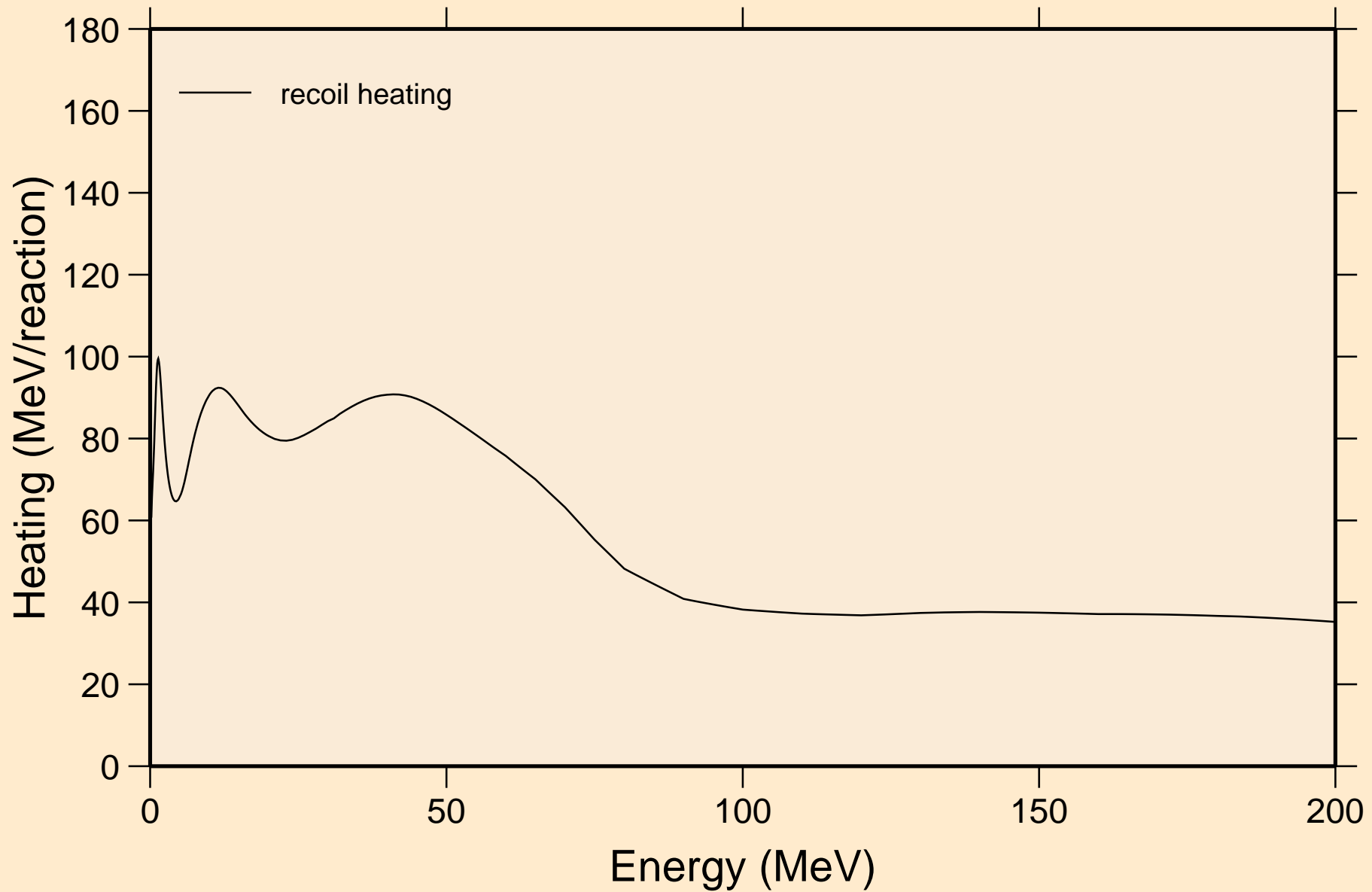


# BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Particle heating contributions

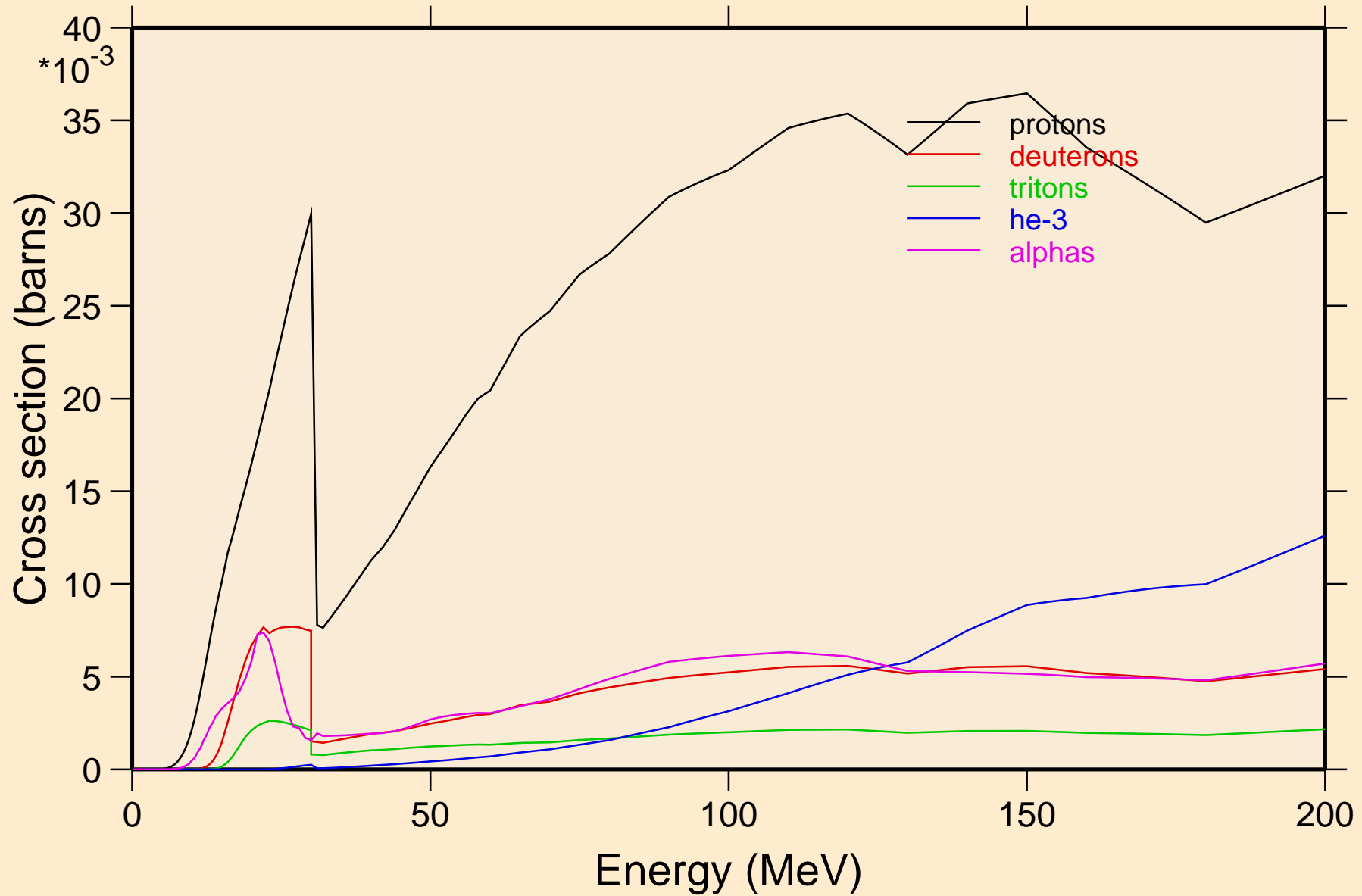


BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating



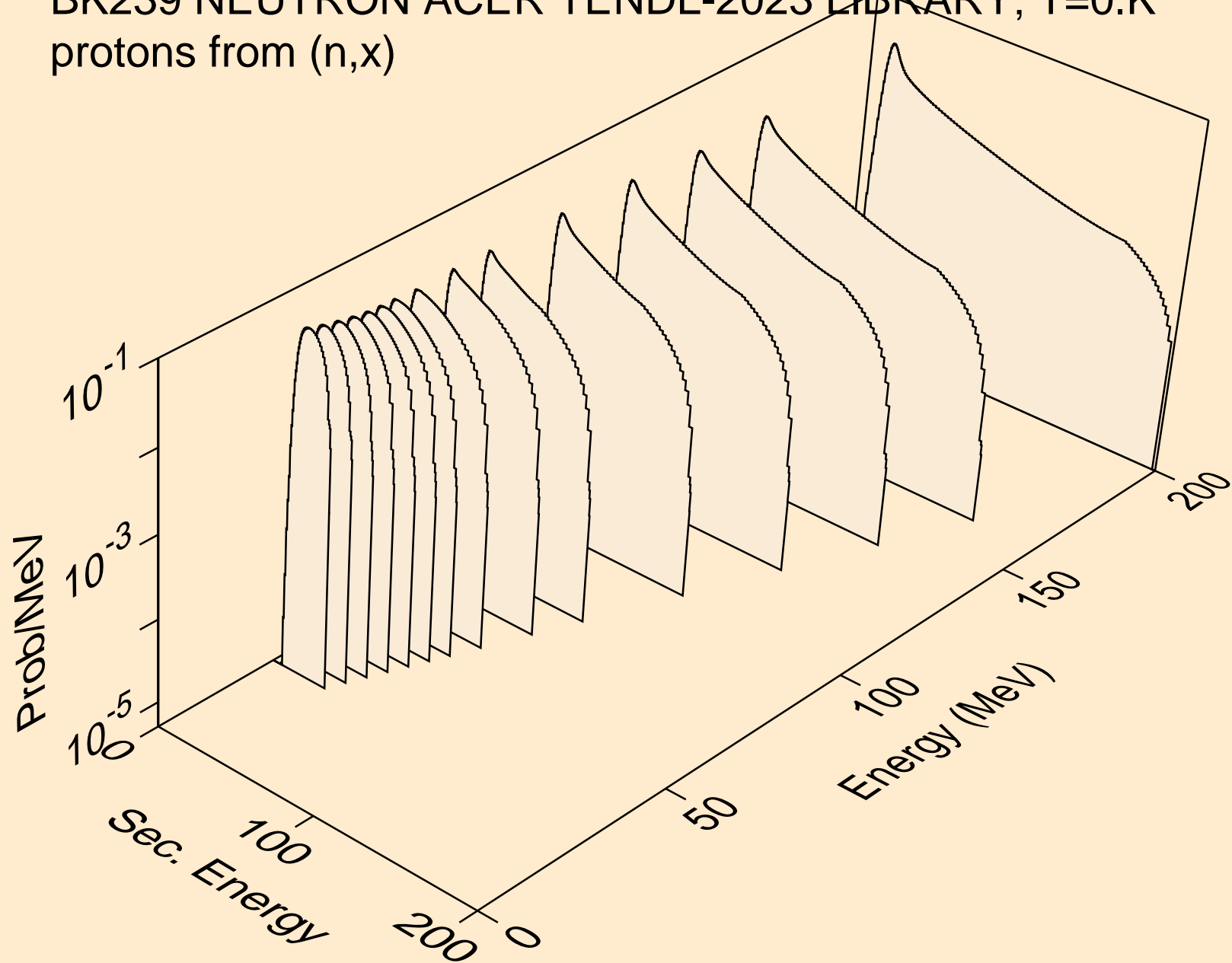
# BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Particle production cross sections

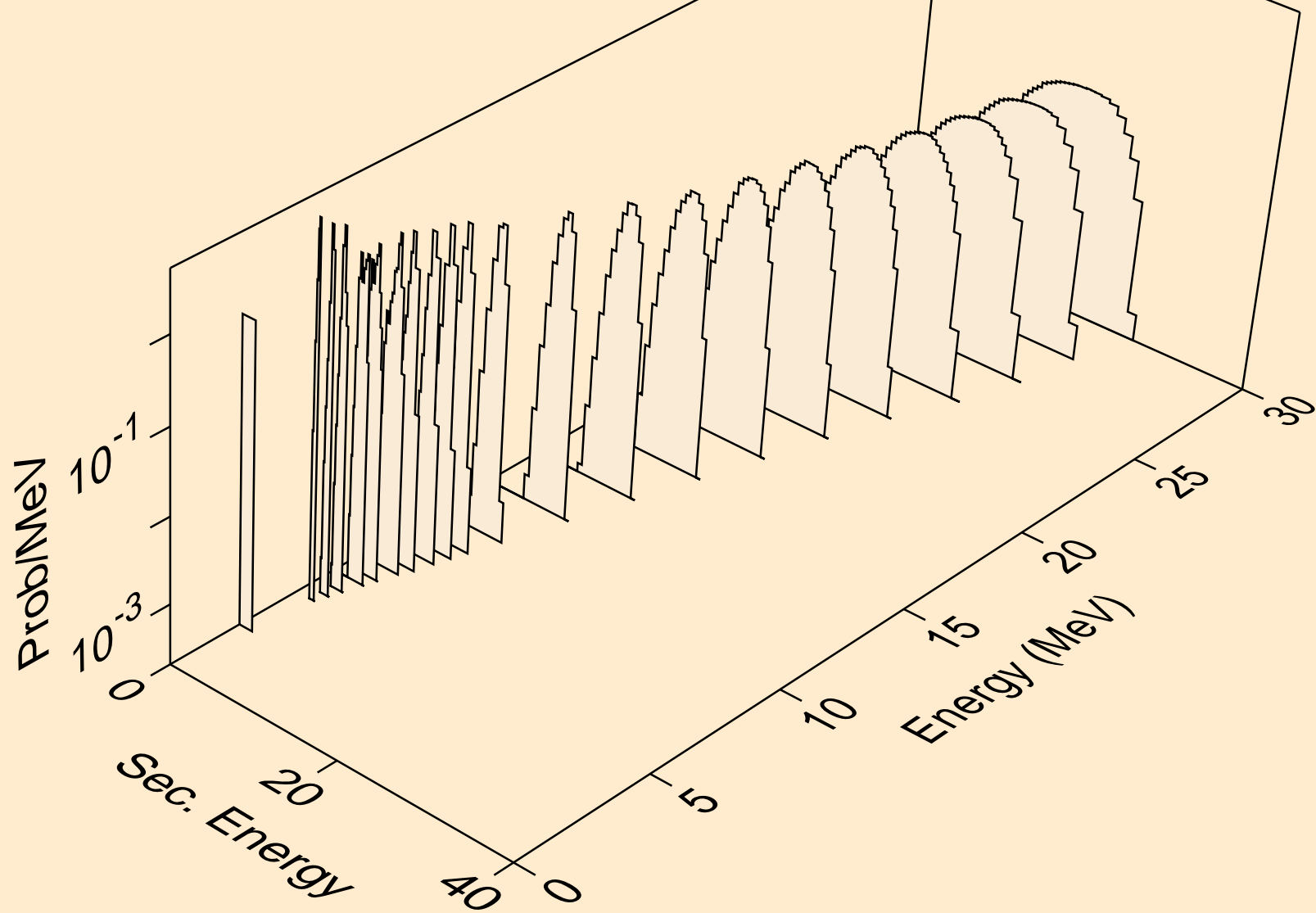




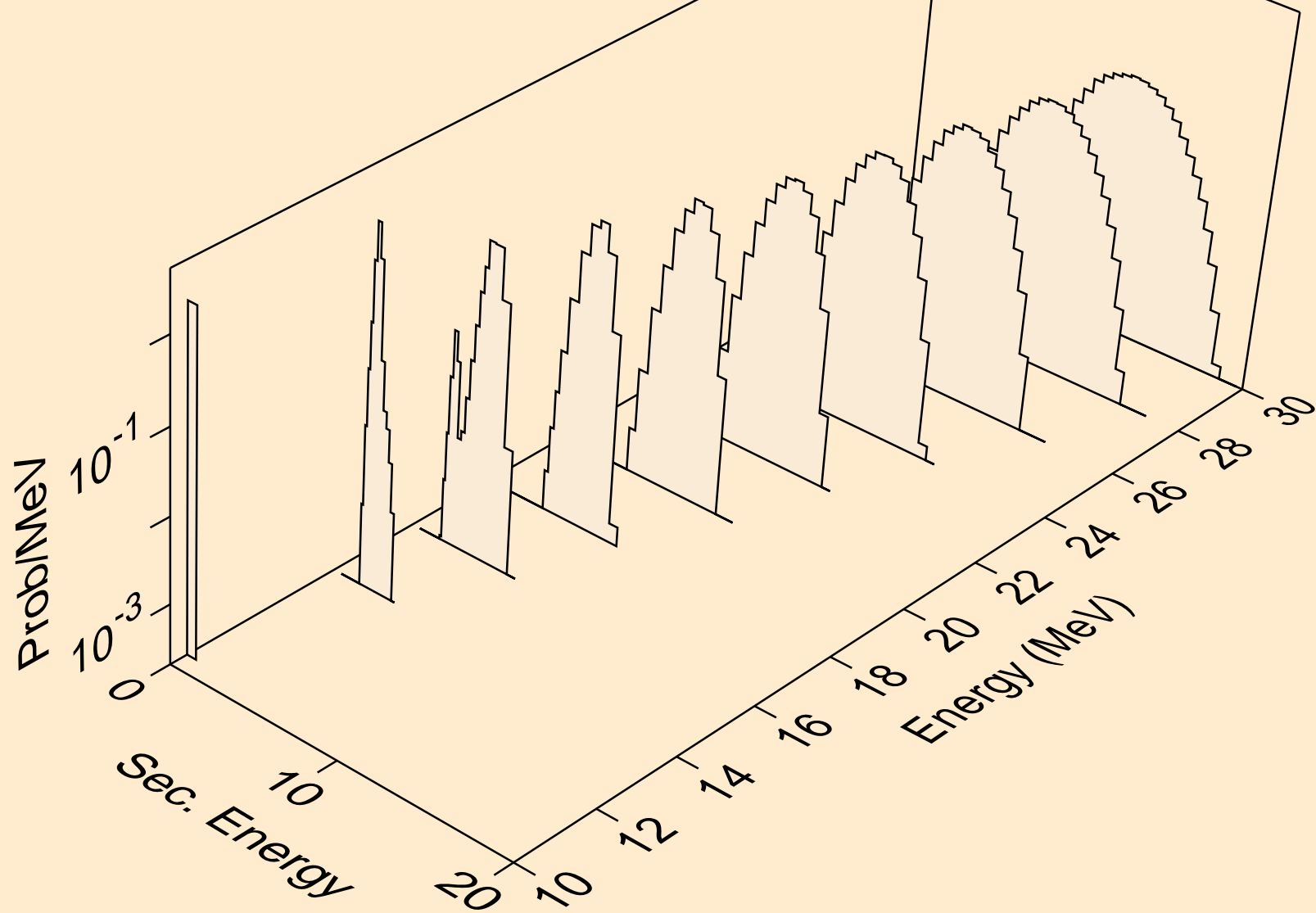
BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,x)



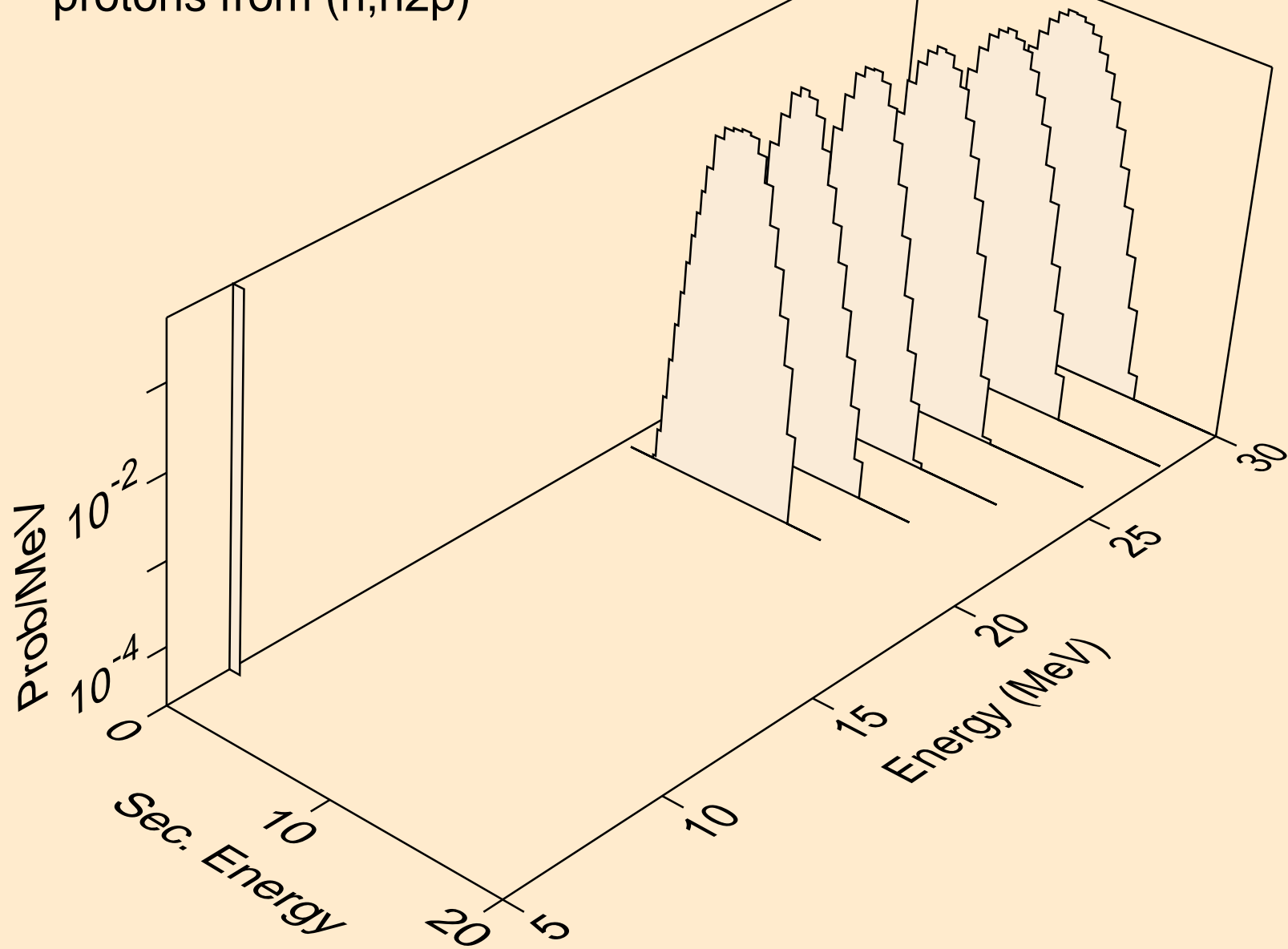
BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n\*)p



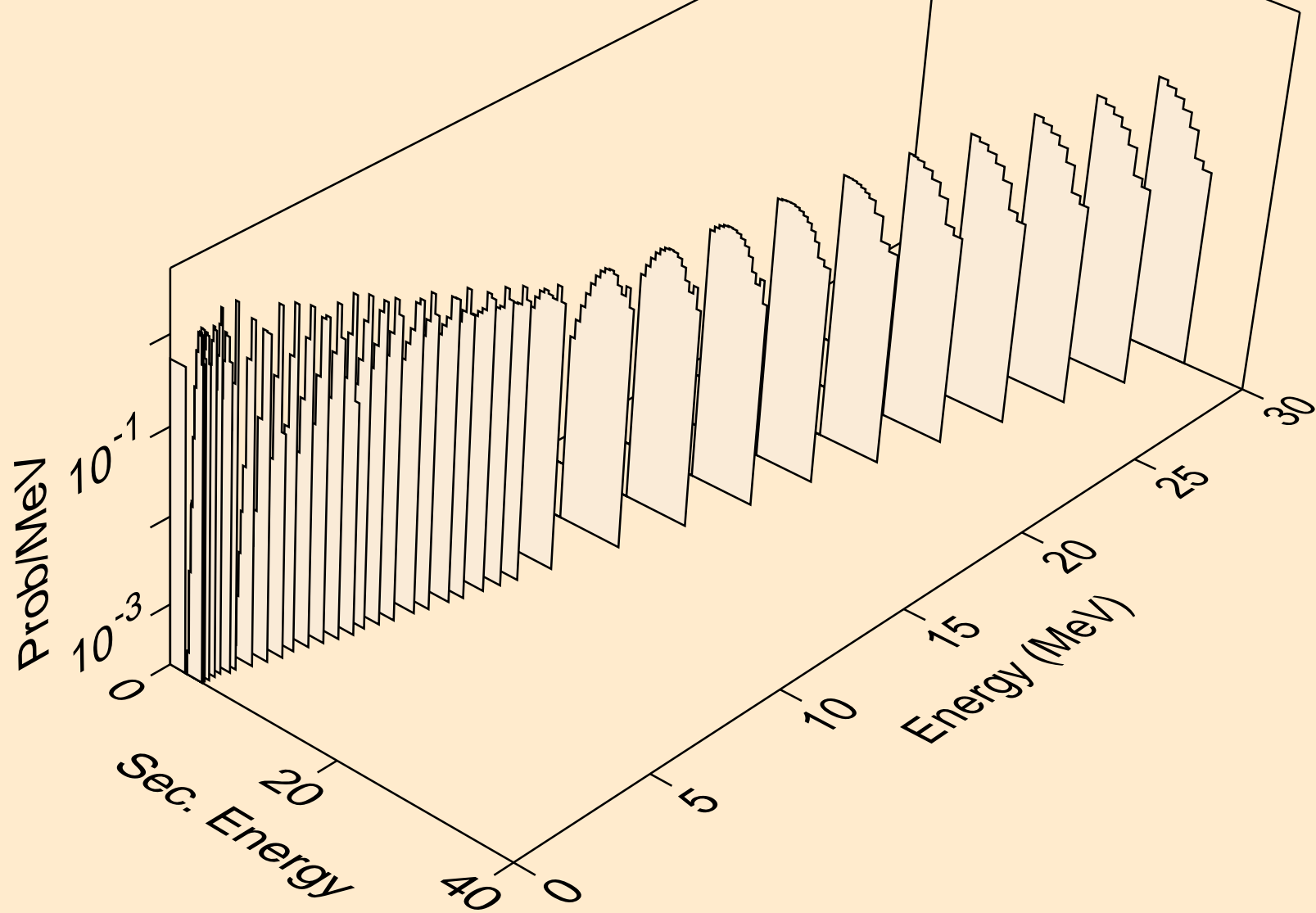
BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
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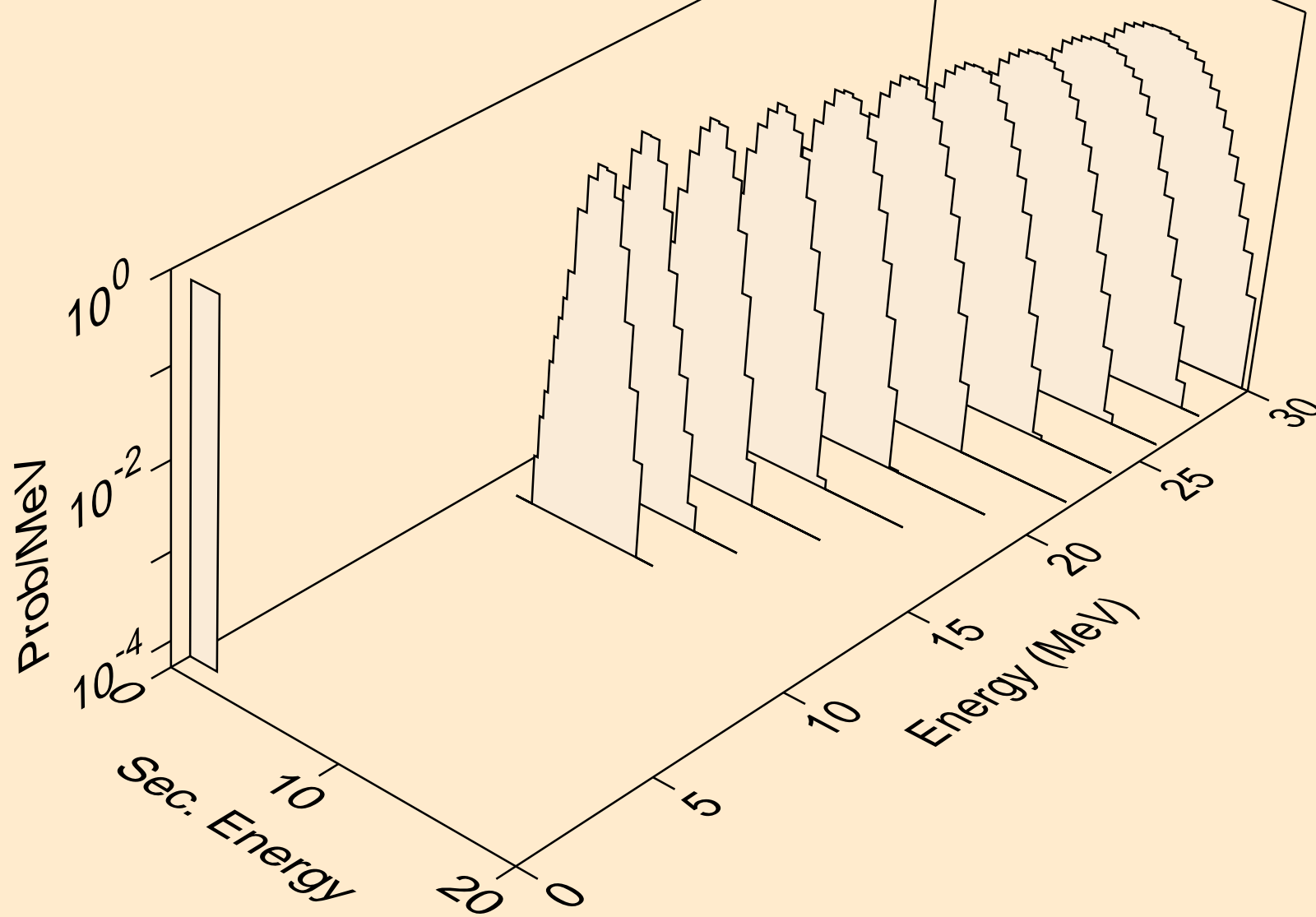
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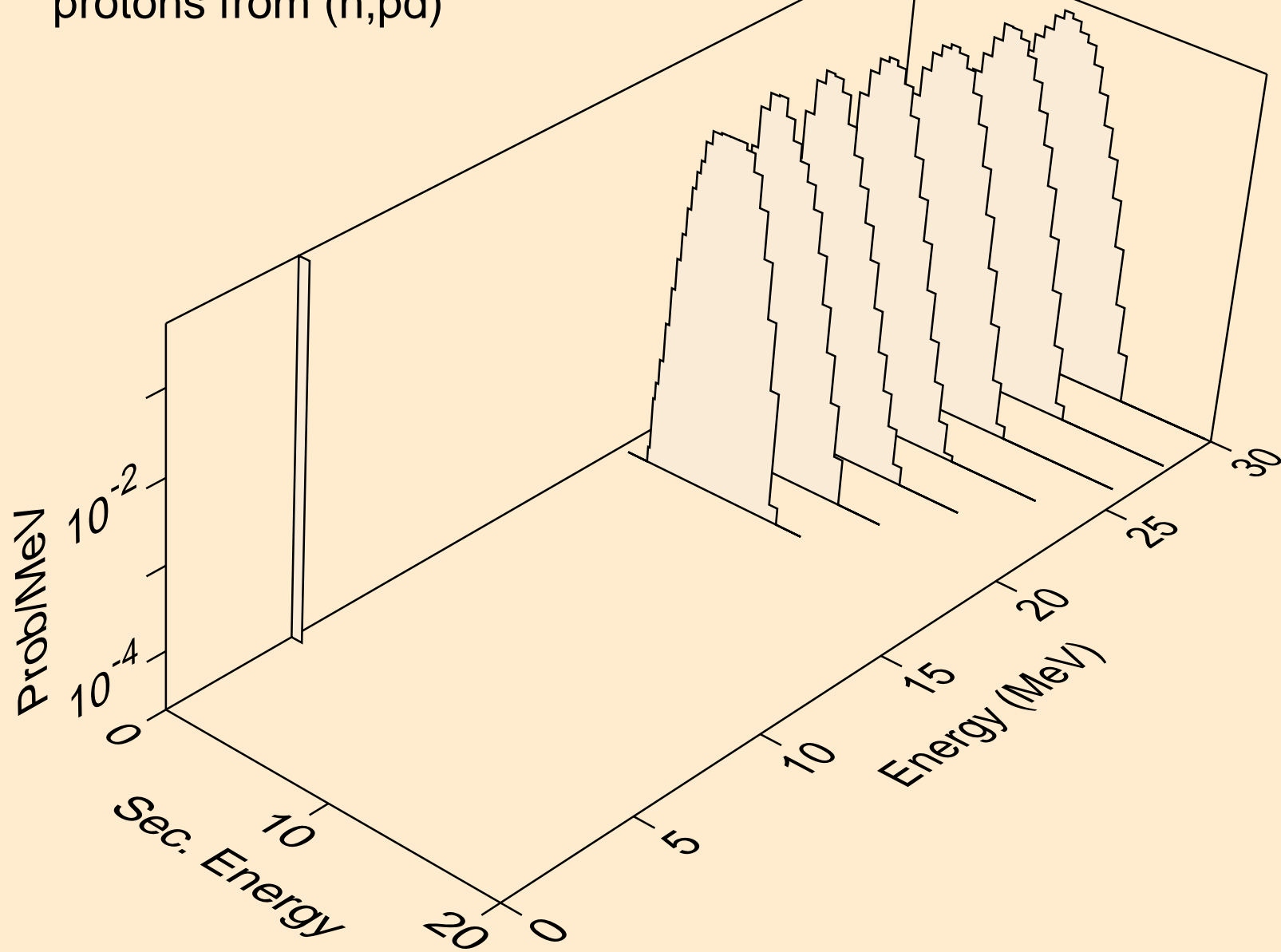
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protons from (n,p)



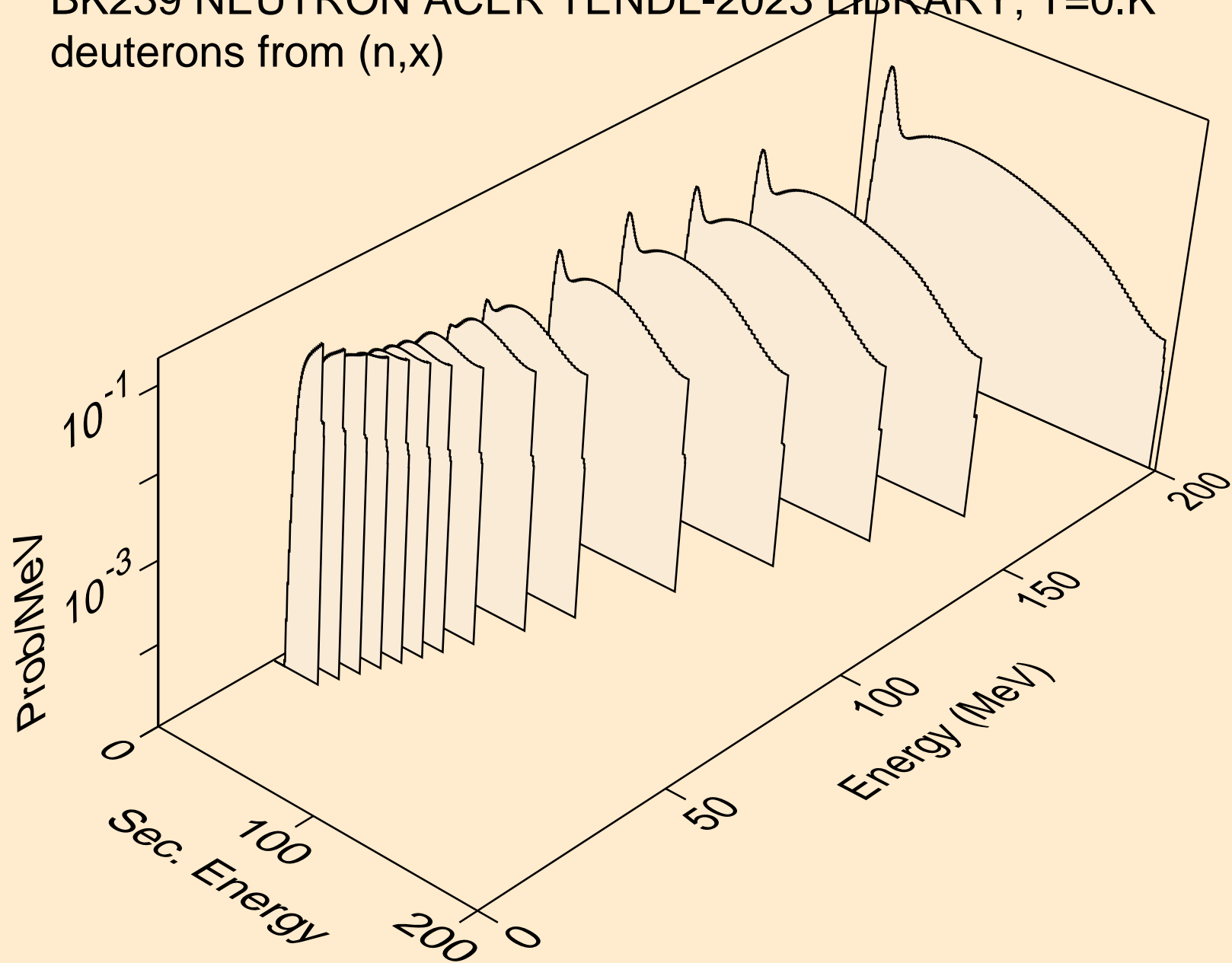
BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,2p)



BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,pd)

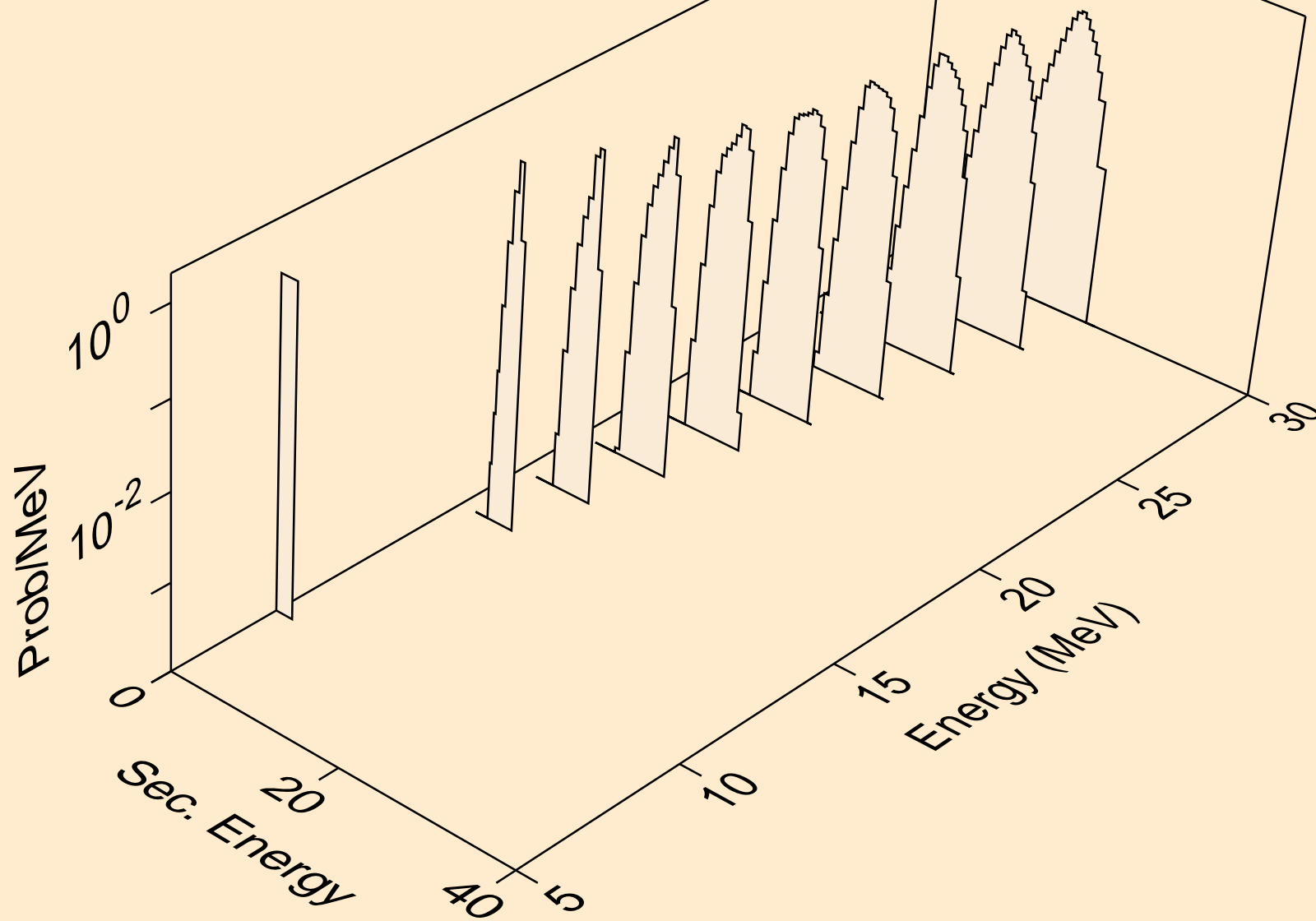


BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,x)

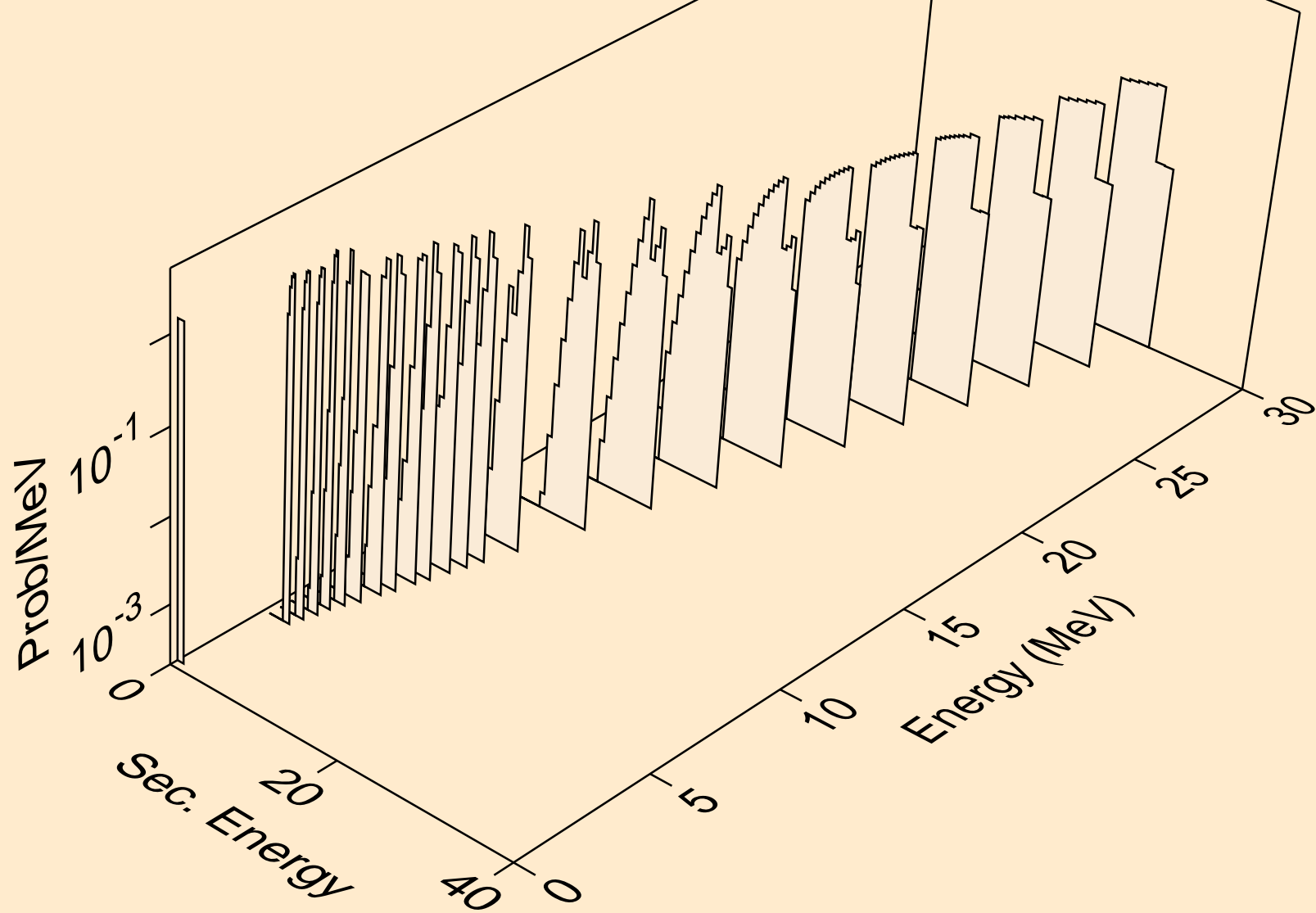




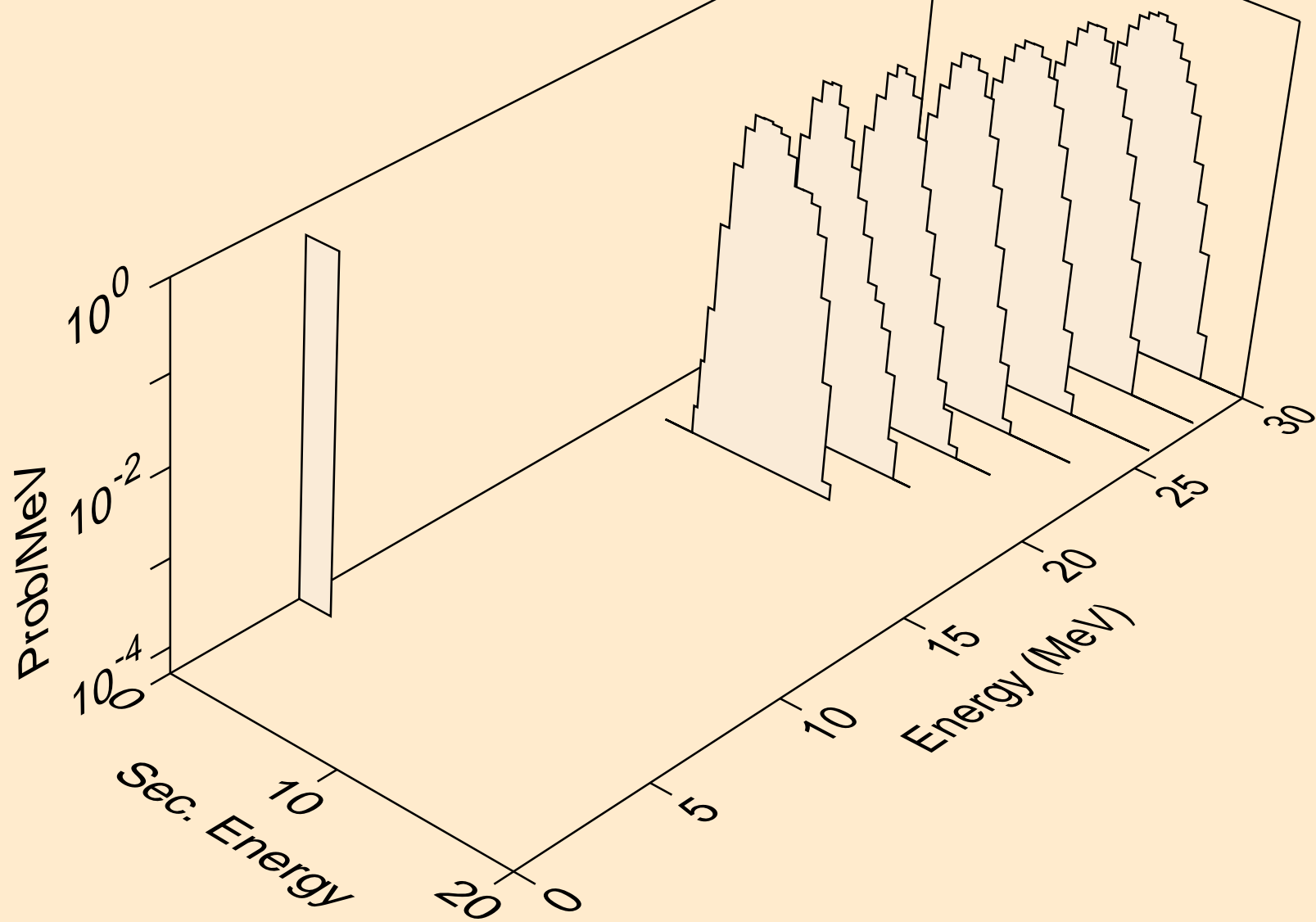
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deuterons from (n,n\*)d



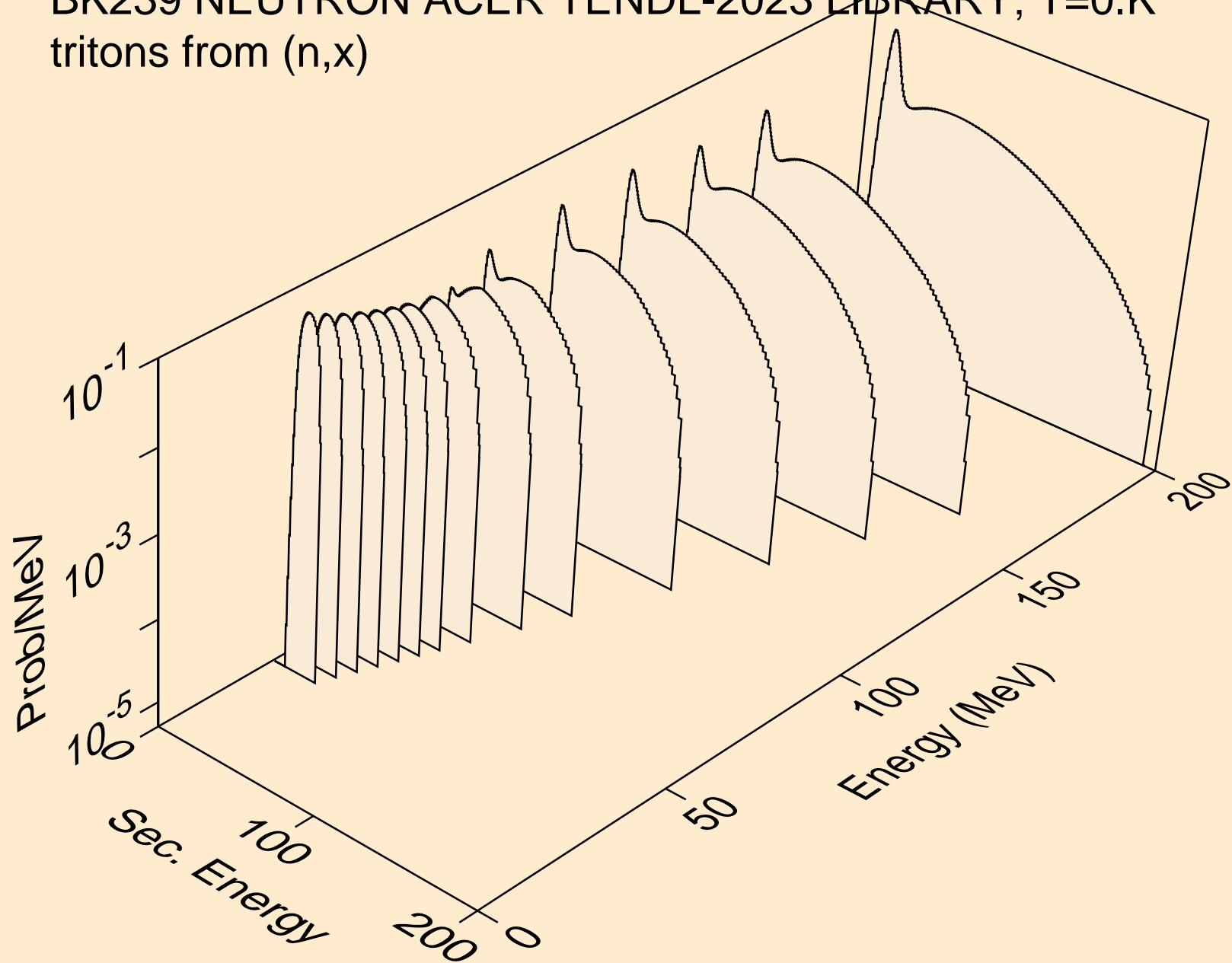
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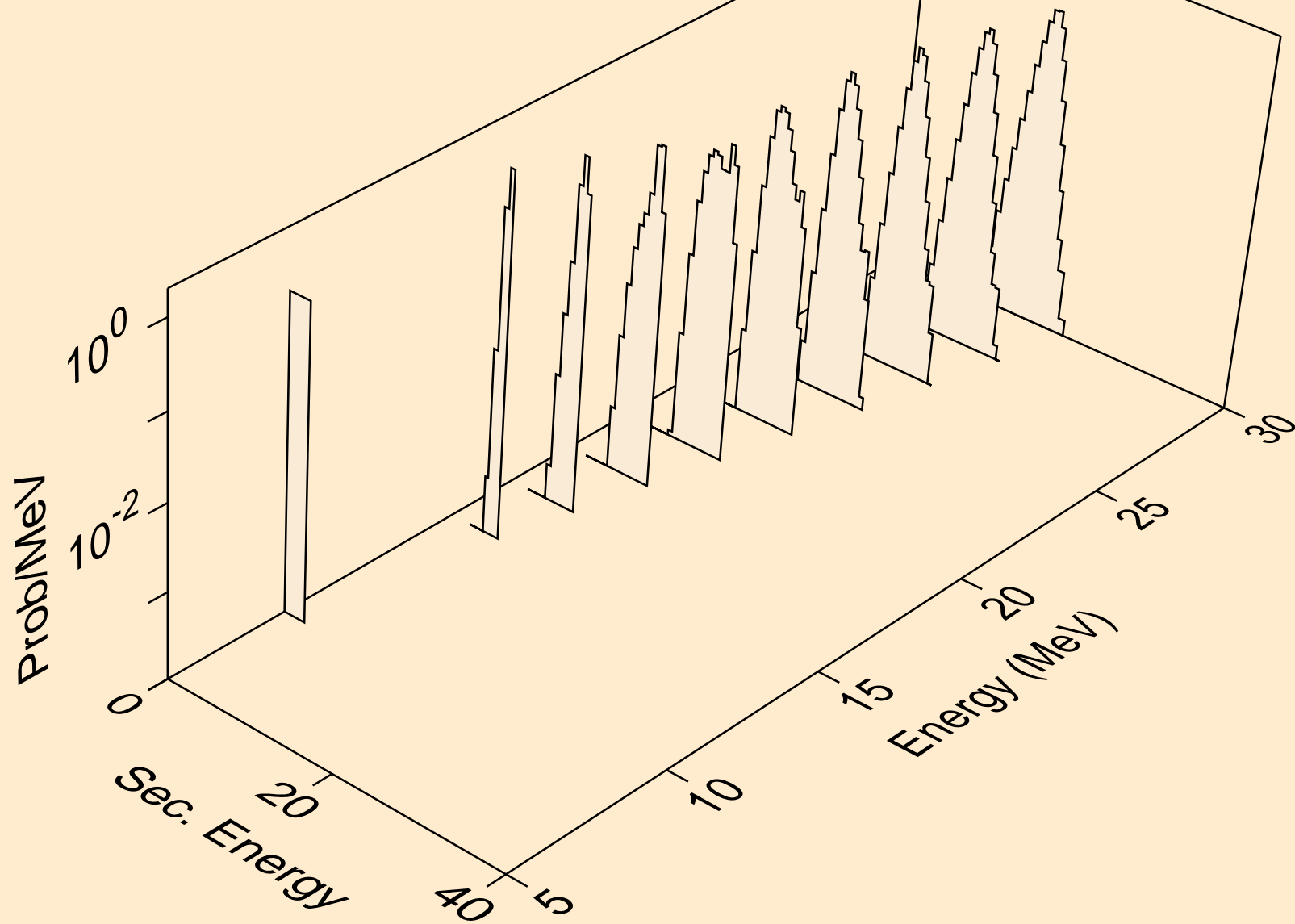
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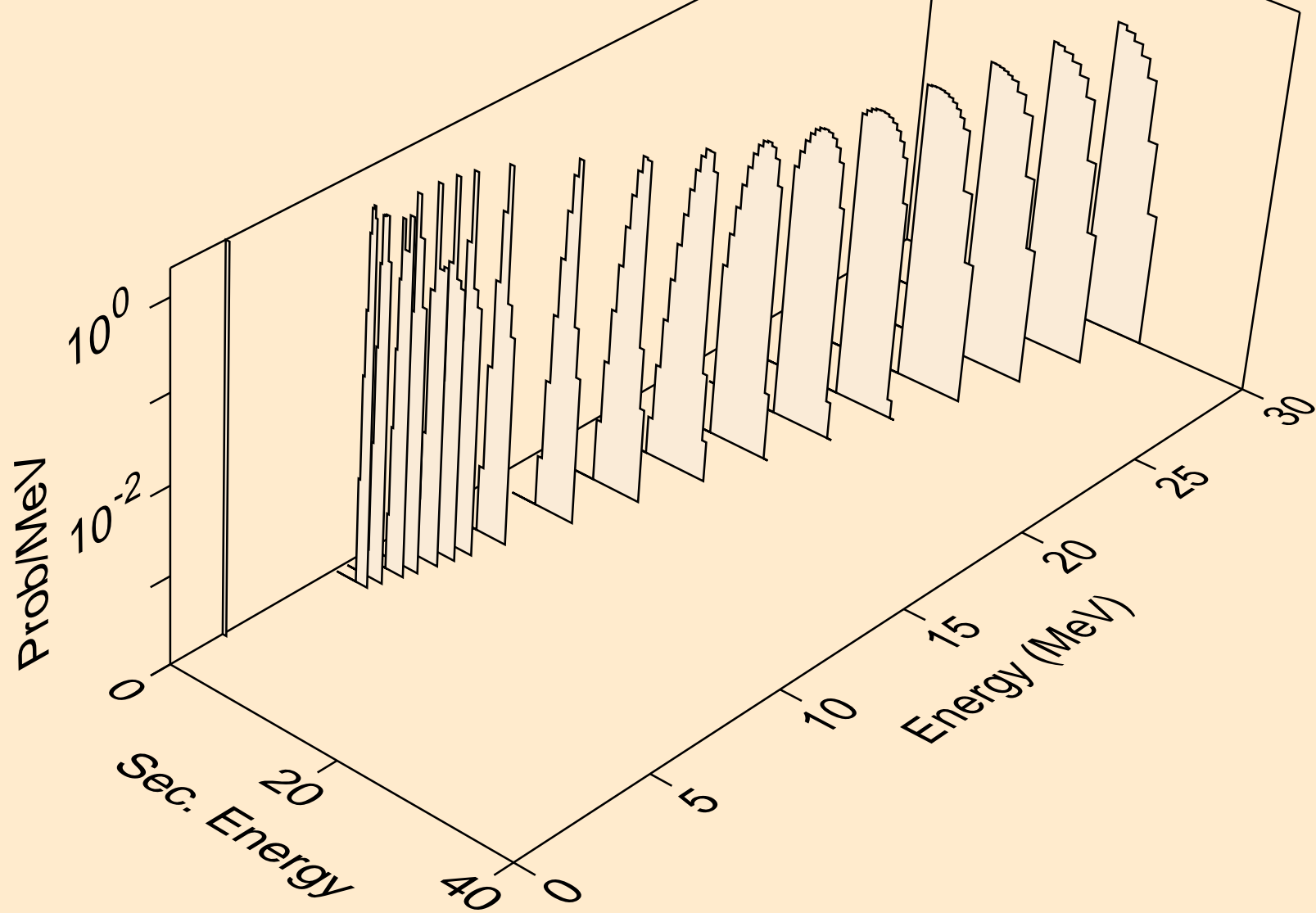
BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,x)



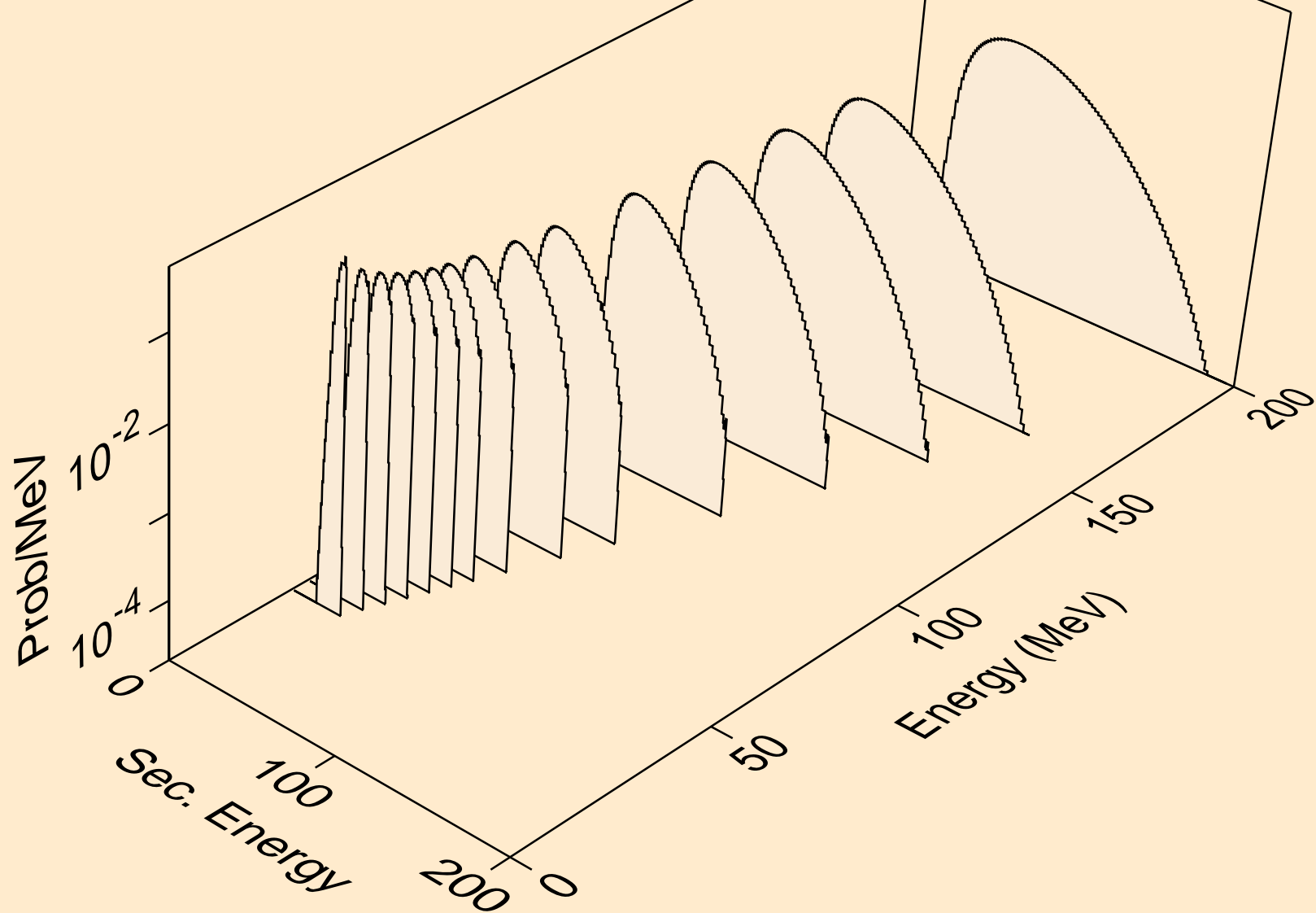
BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,n\*)t



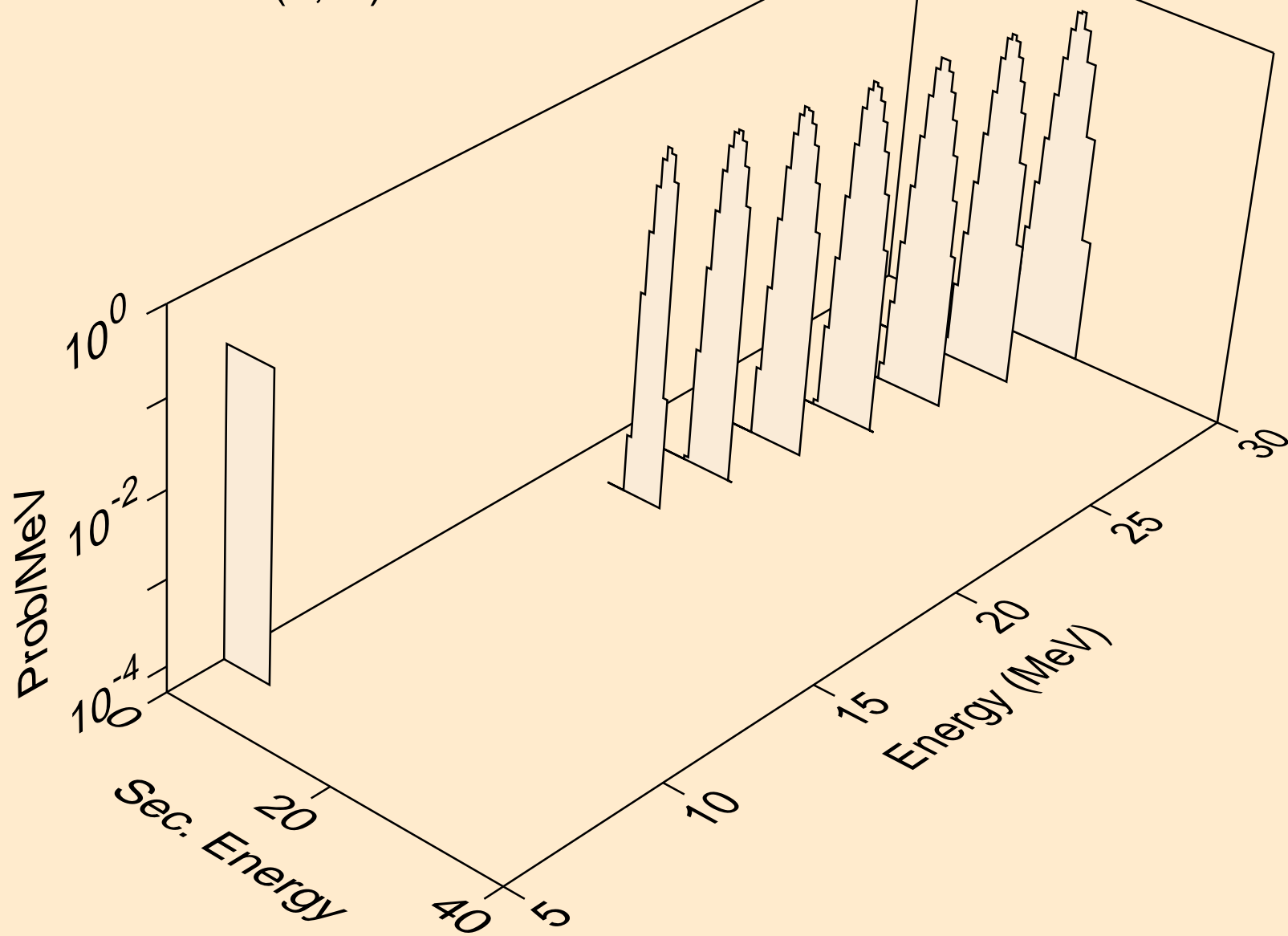
BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,t)



BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,x)

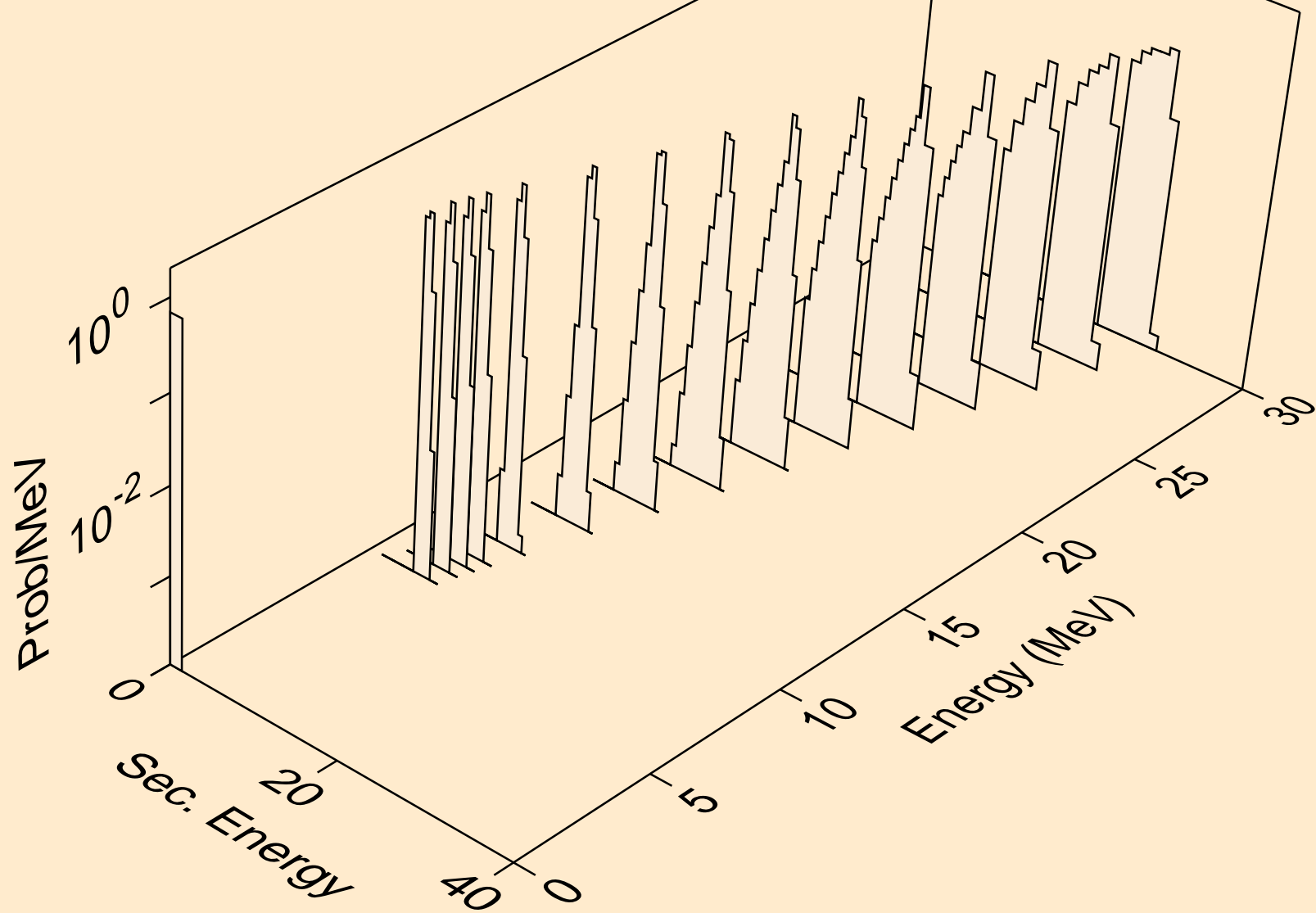


BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,n\*)he3

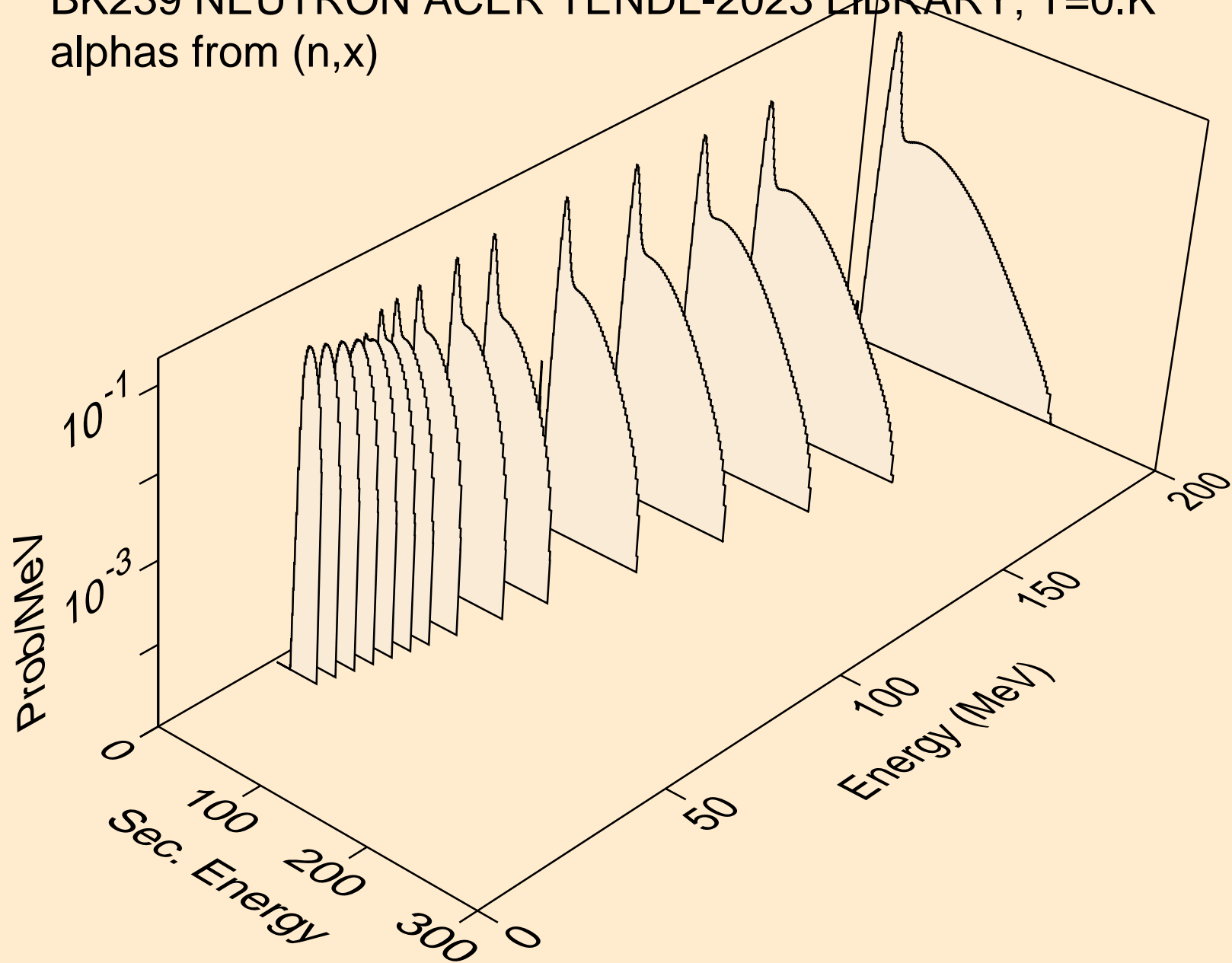




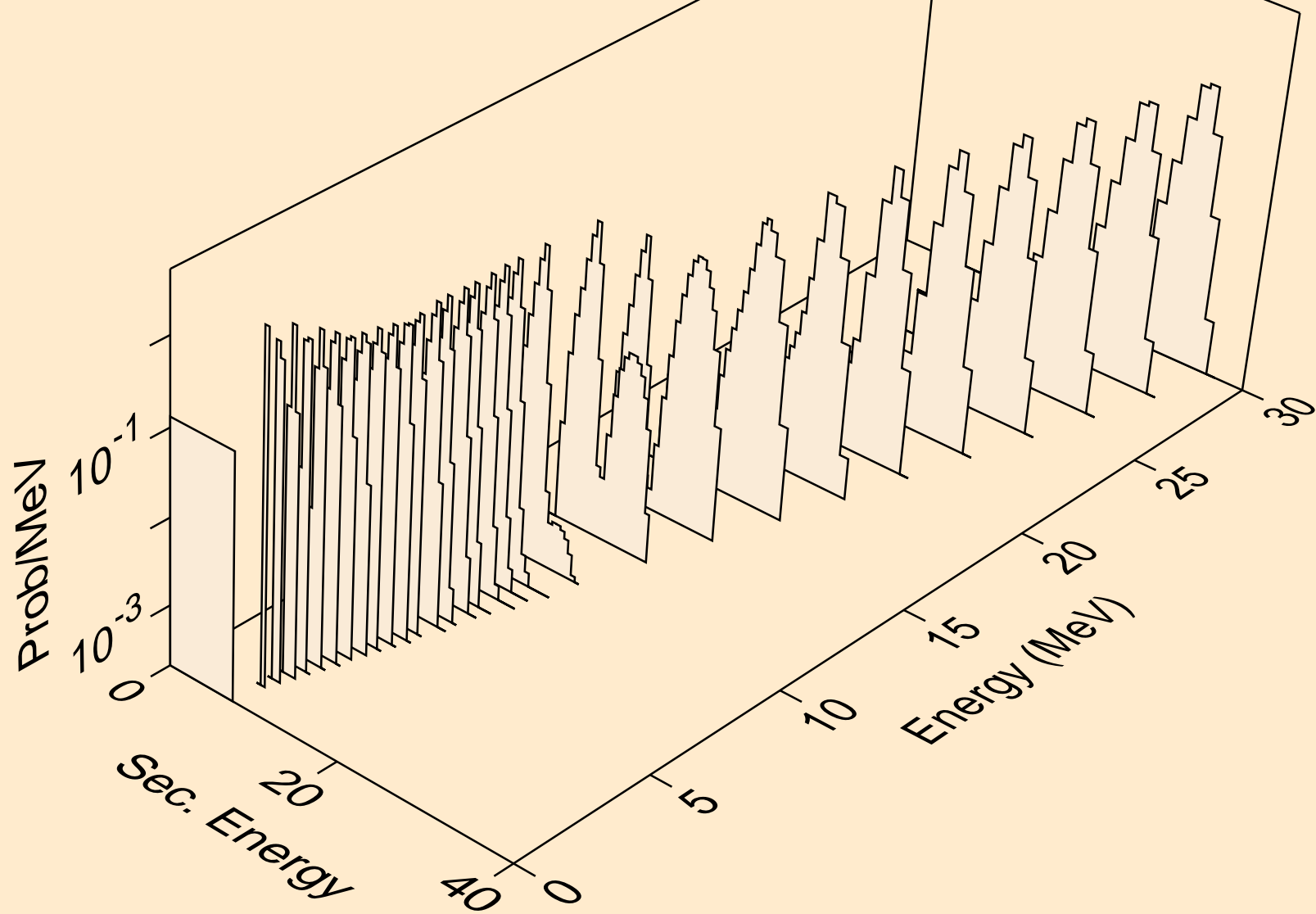
BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,he3)



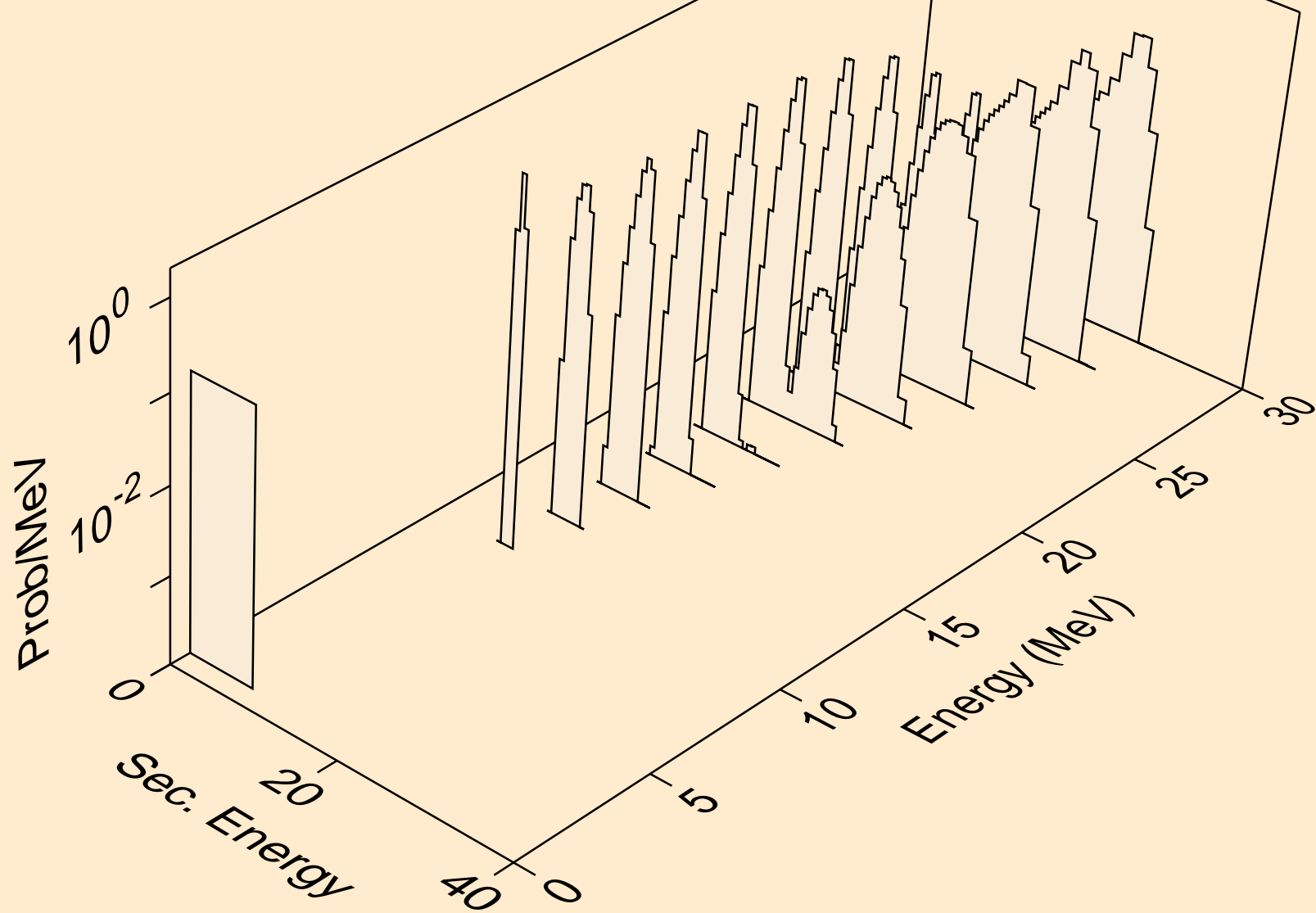
BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,x)



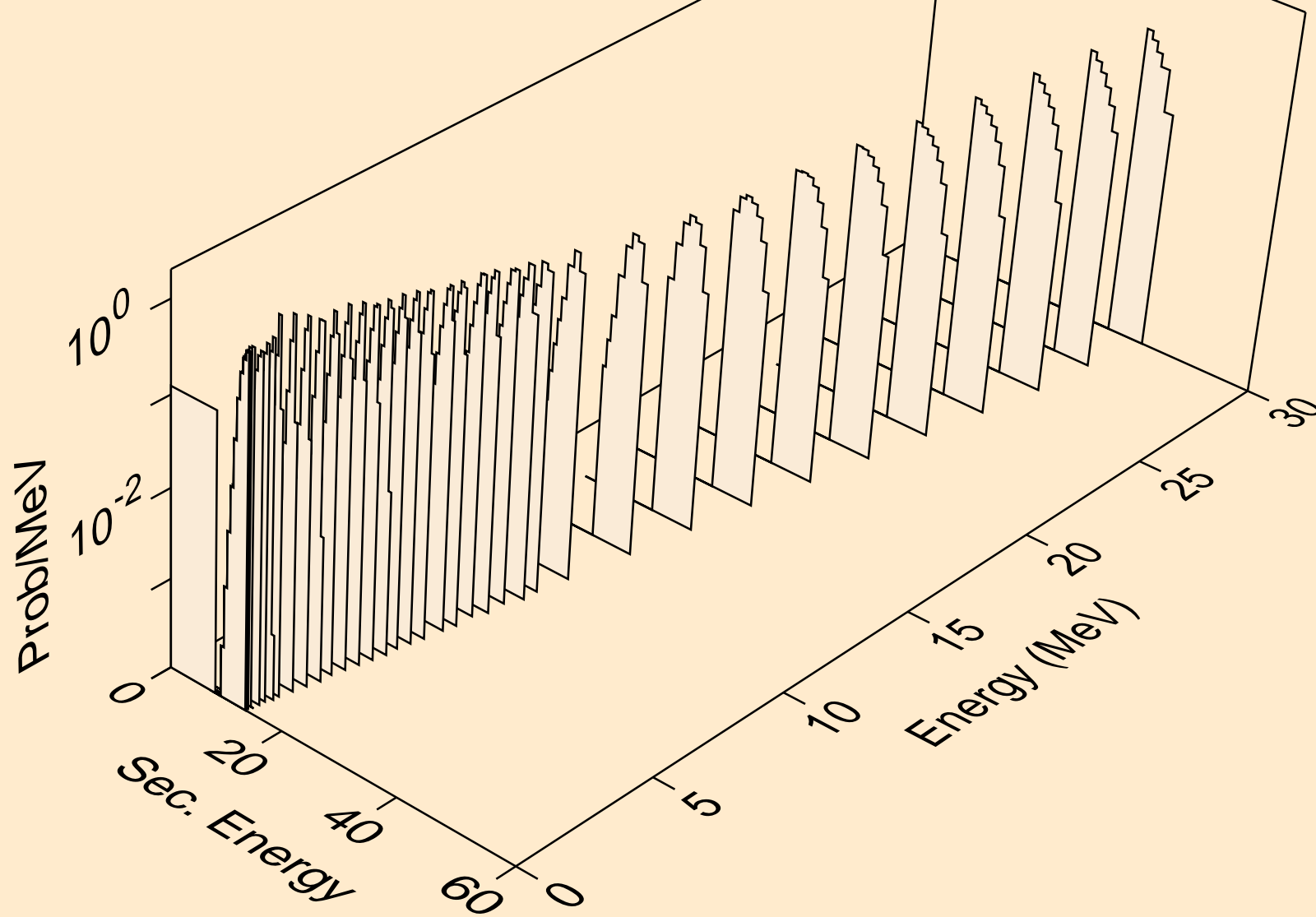
BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)a



BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2n)a



BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,a)



BK239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2a)

