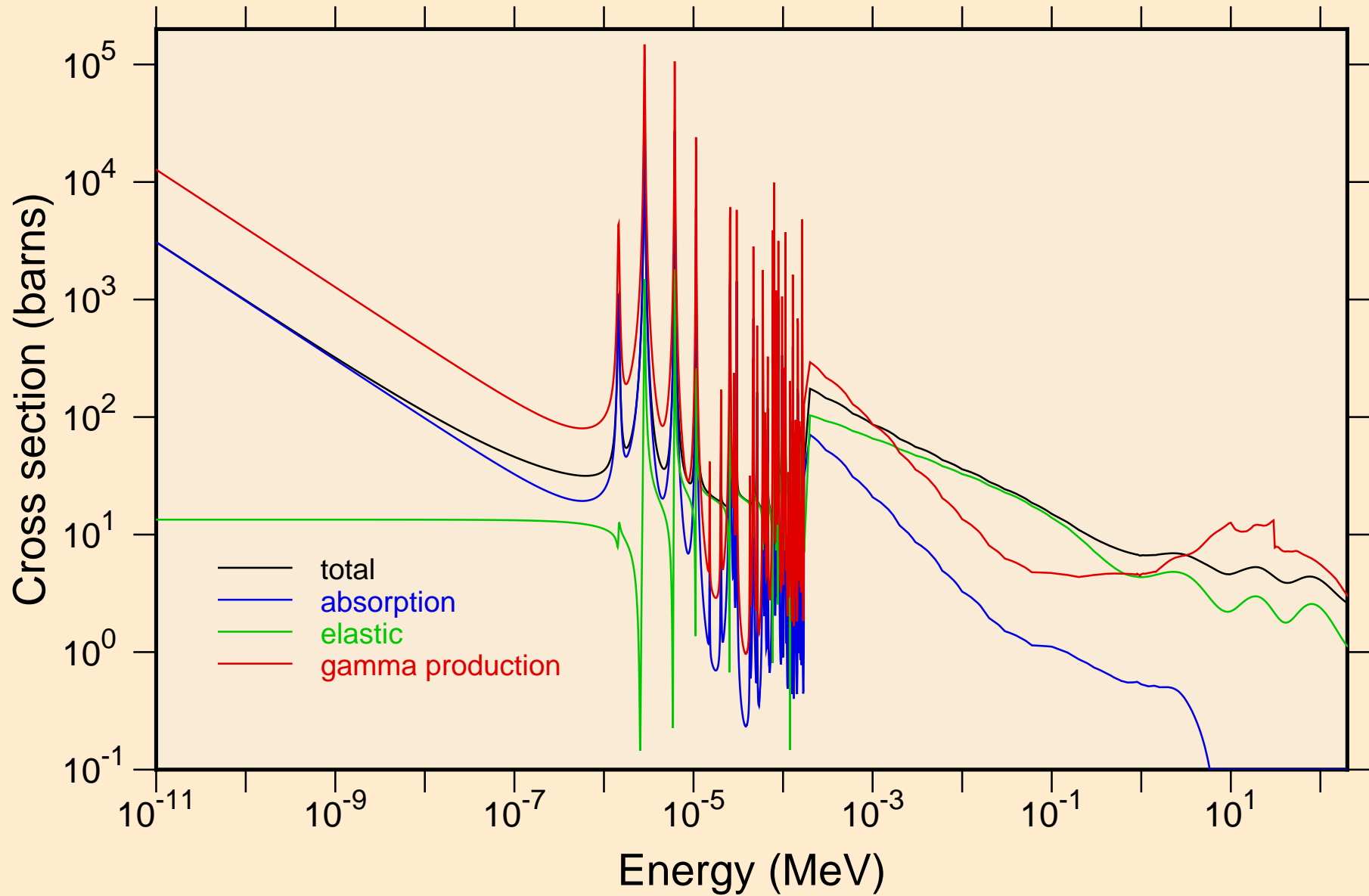
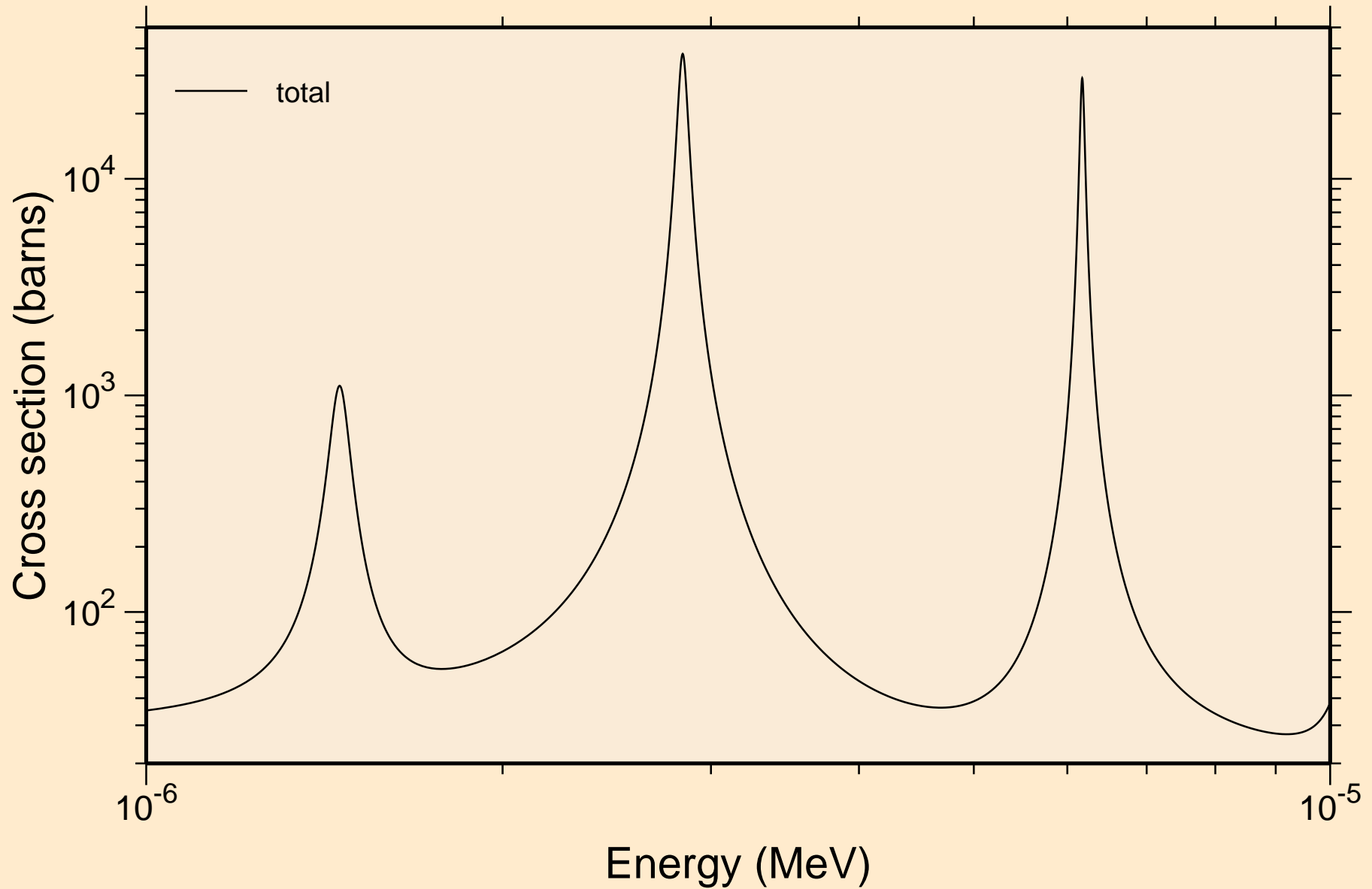


# HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

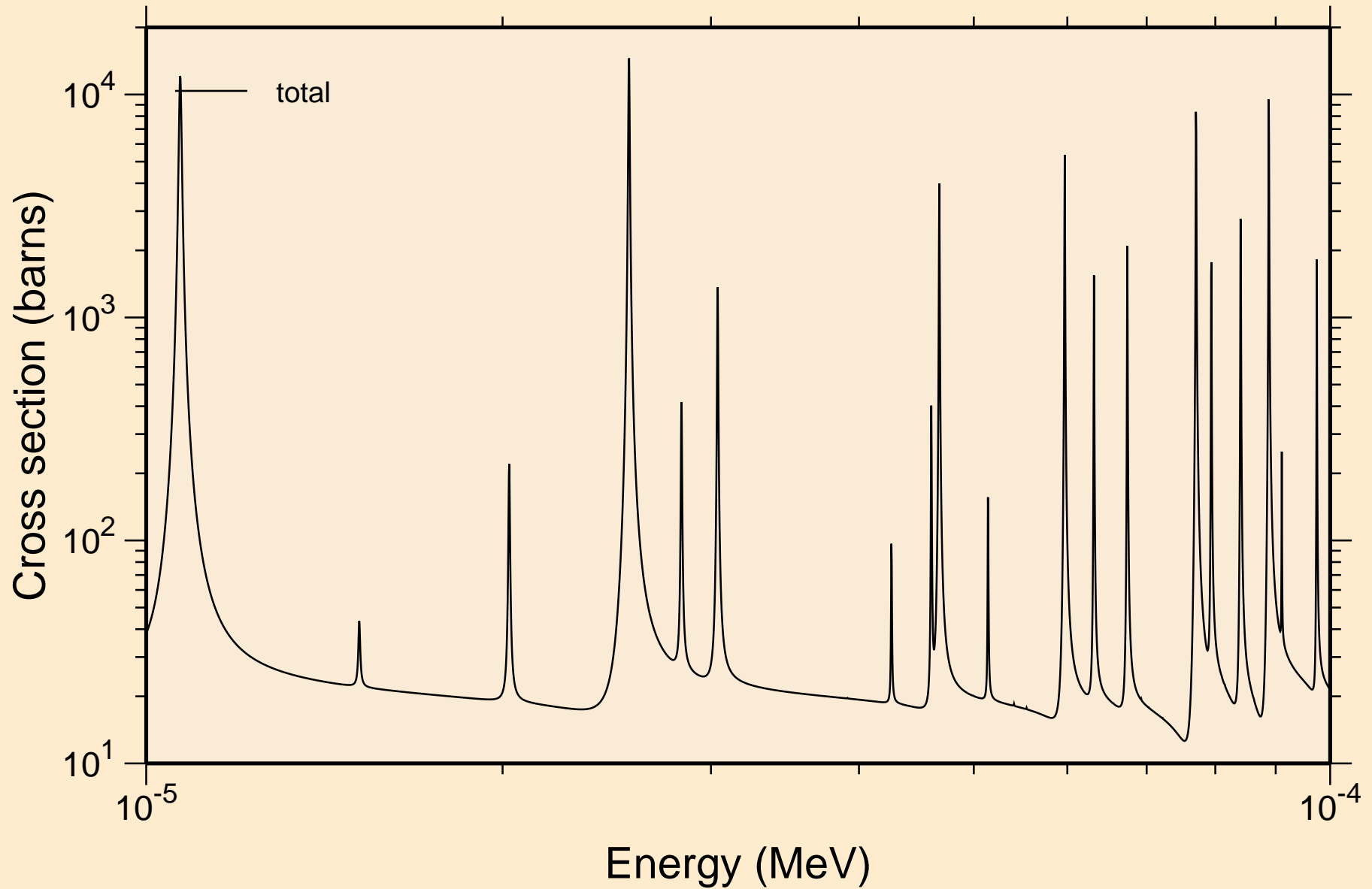
## Principal cross sections



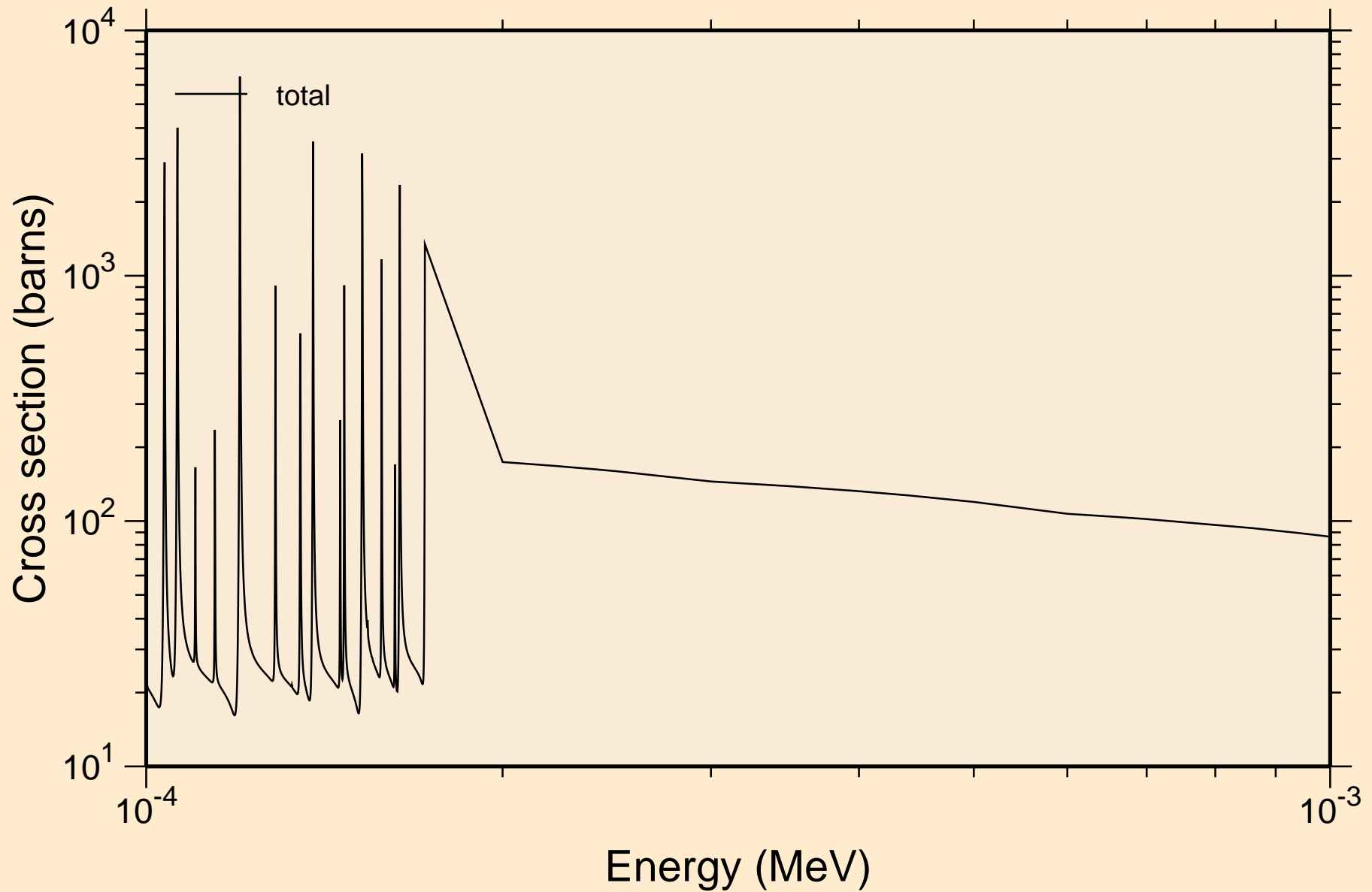
HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



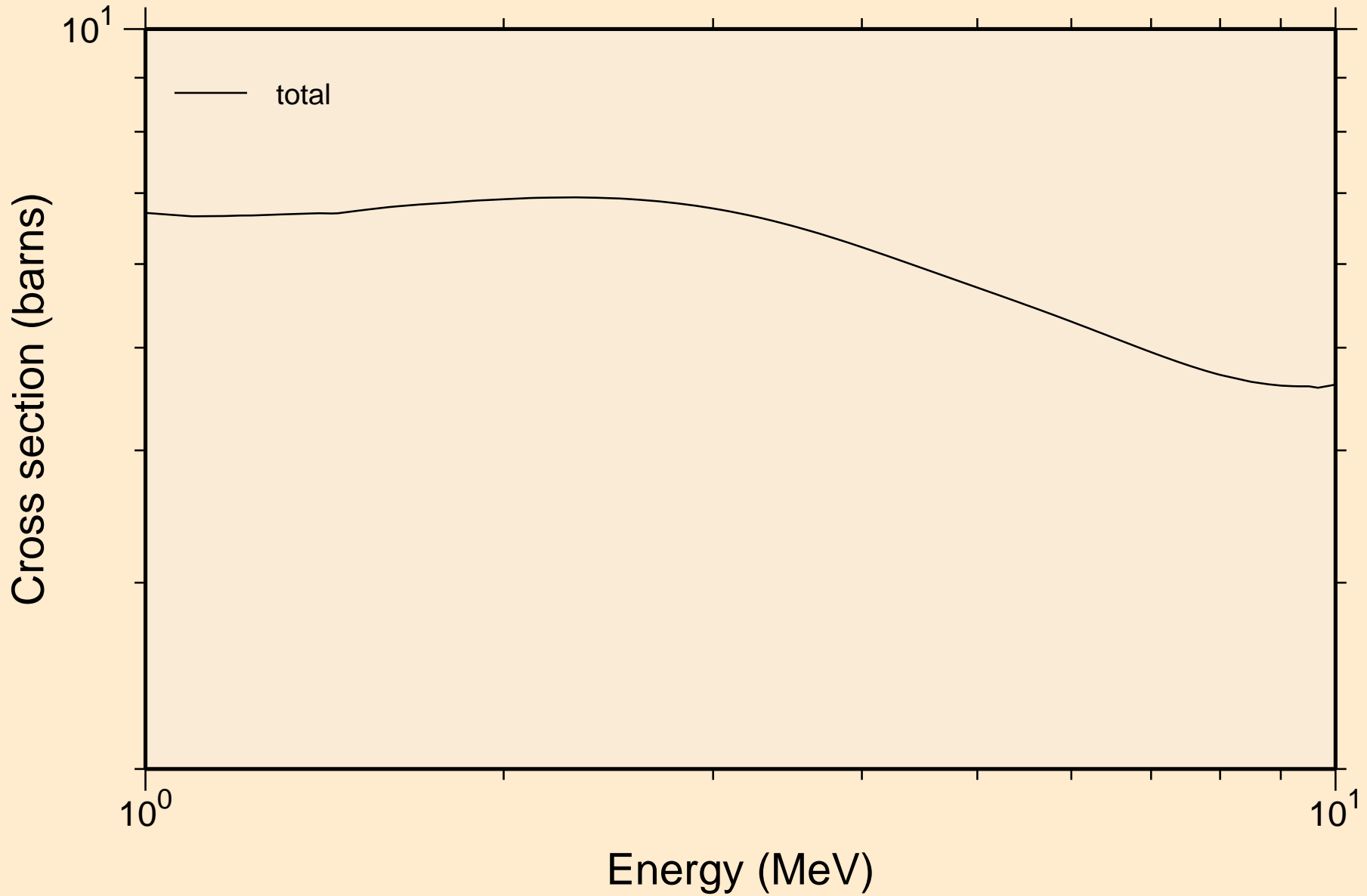
HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



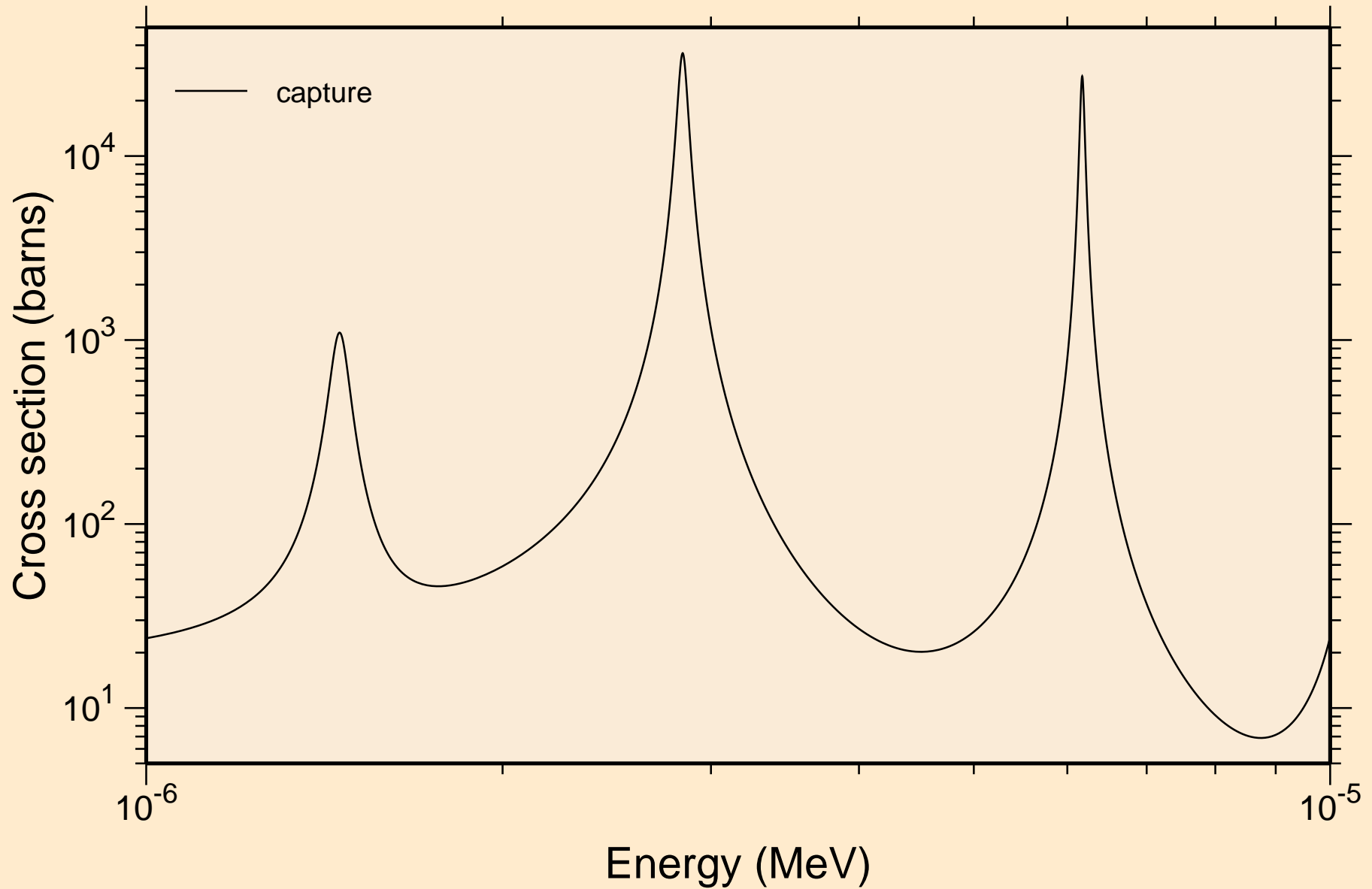
HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



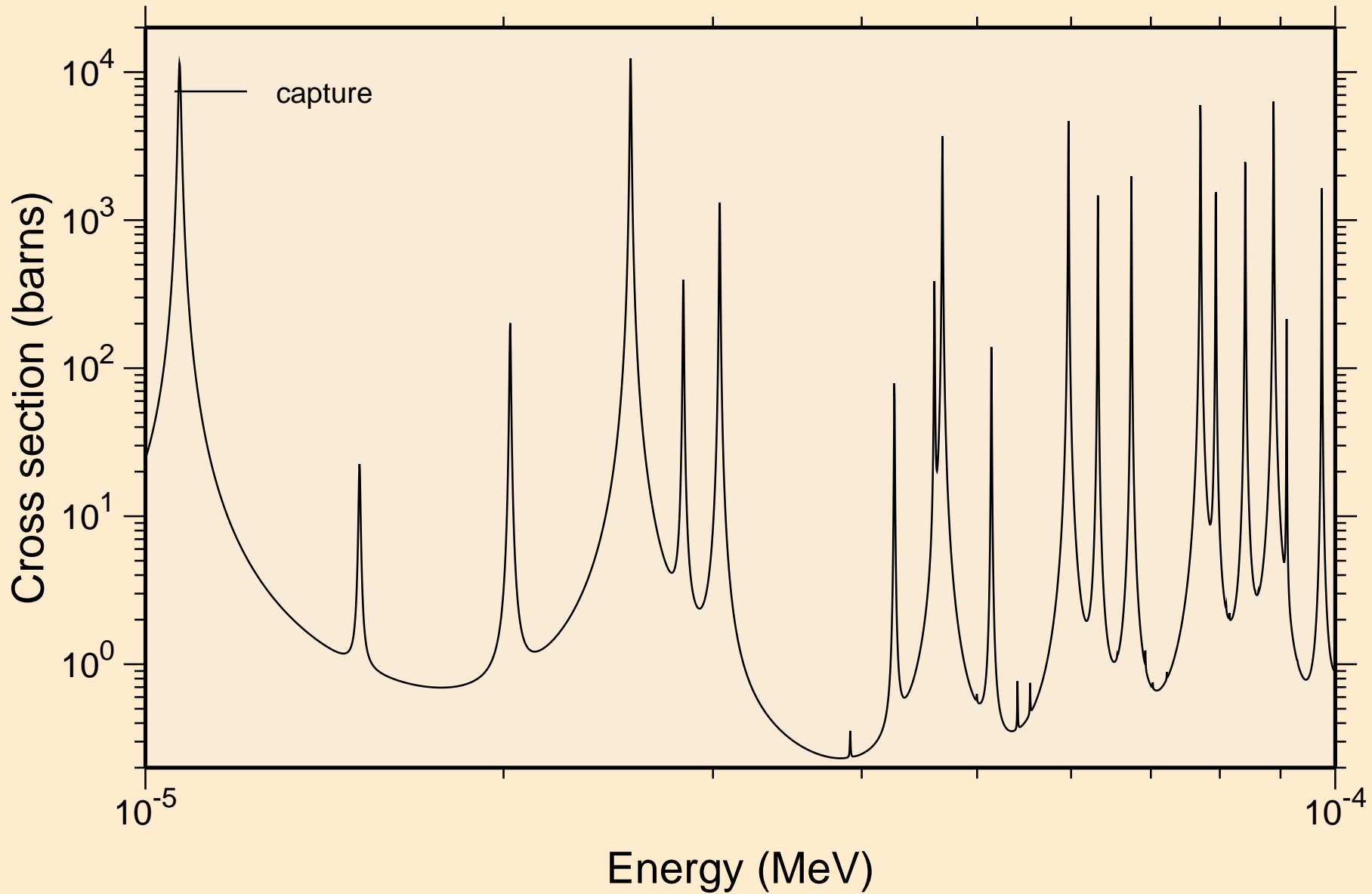
HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



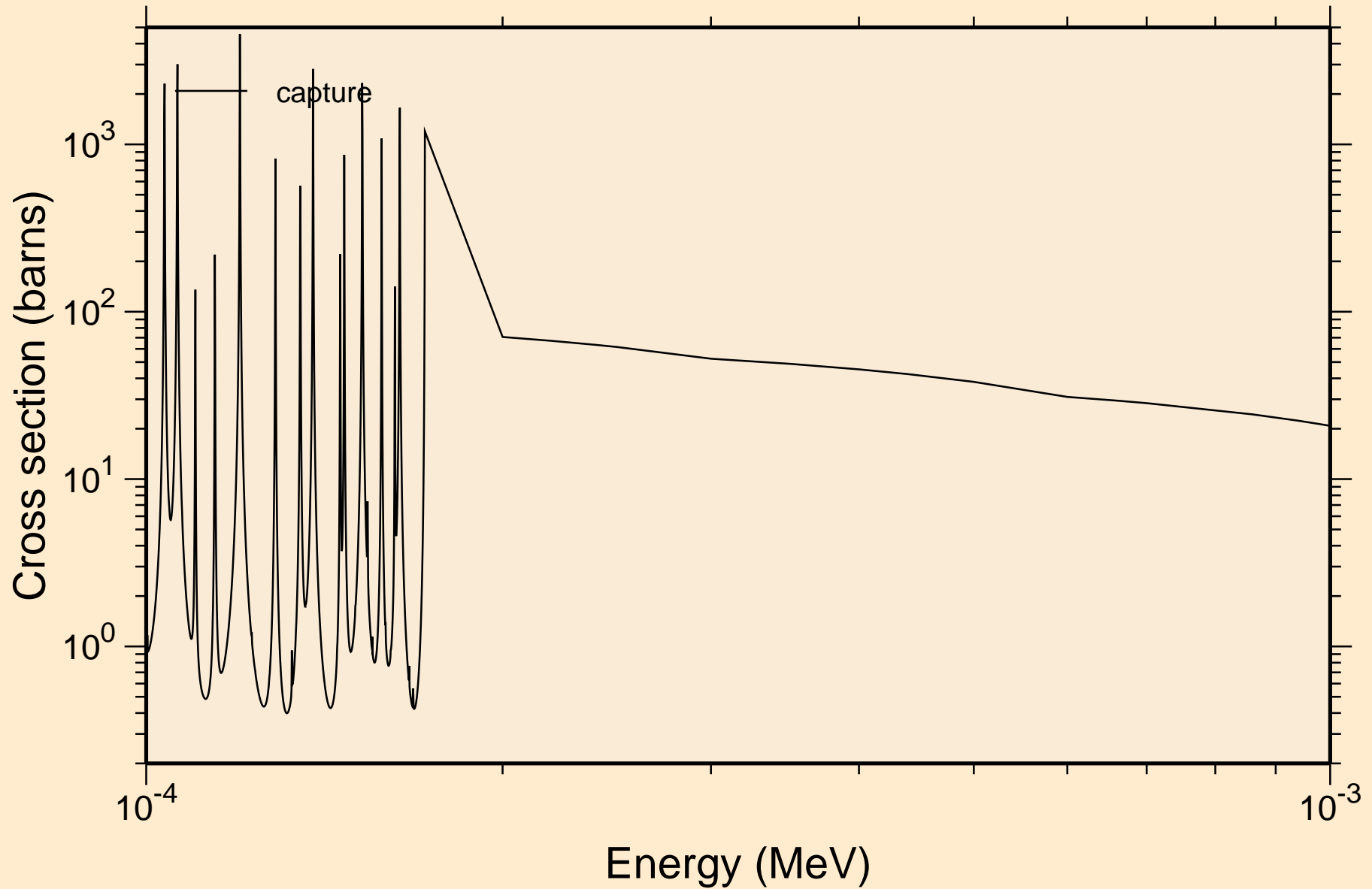
HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

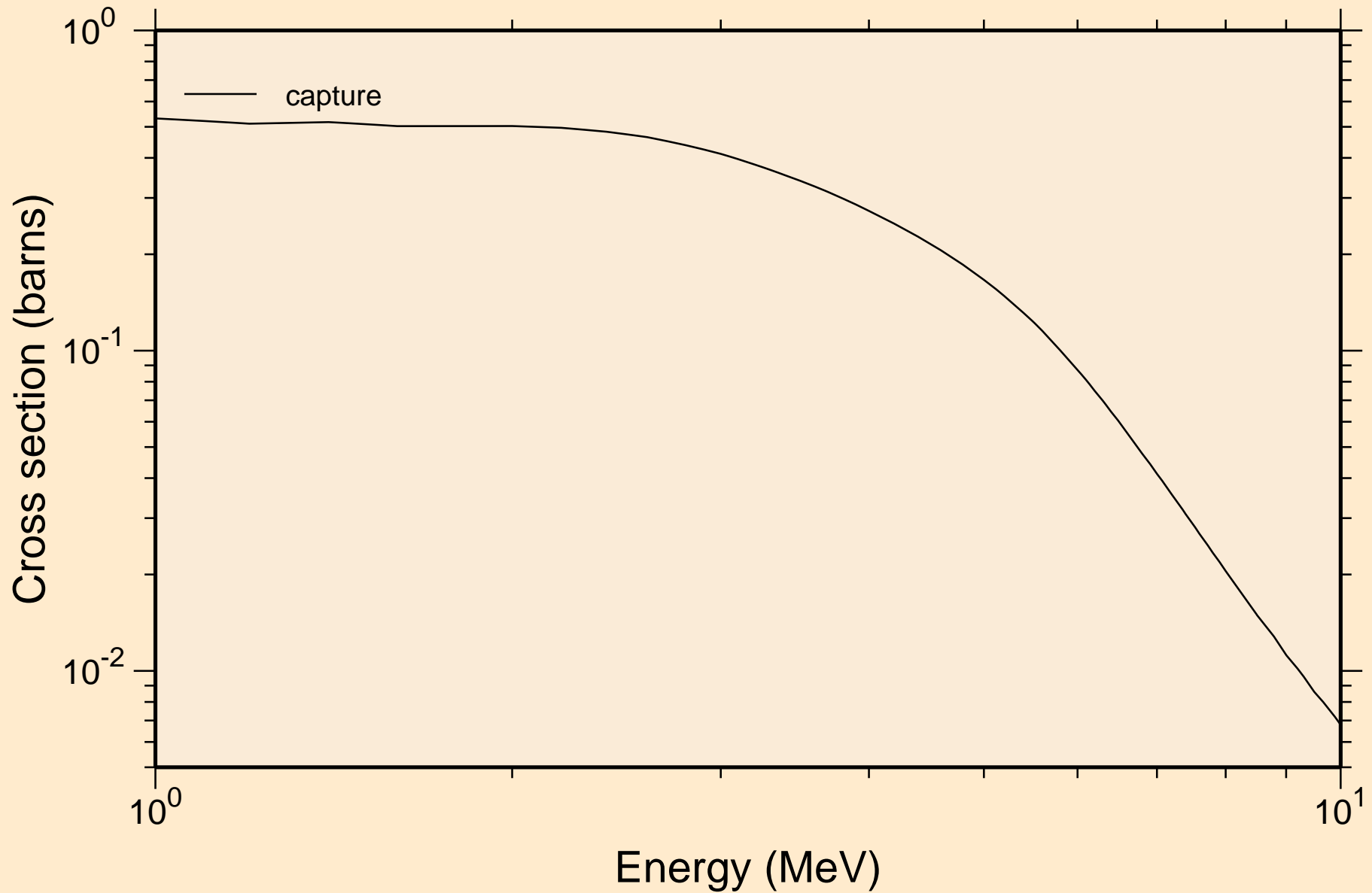


HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



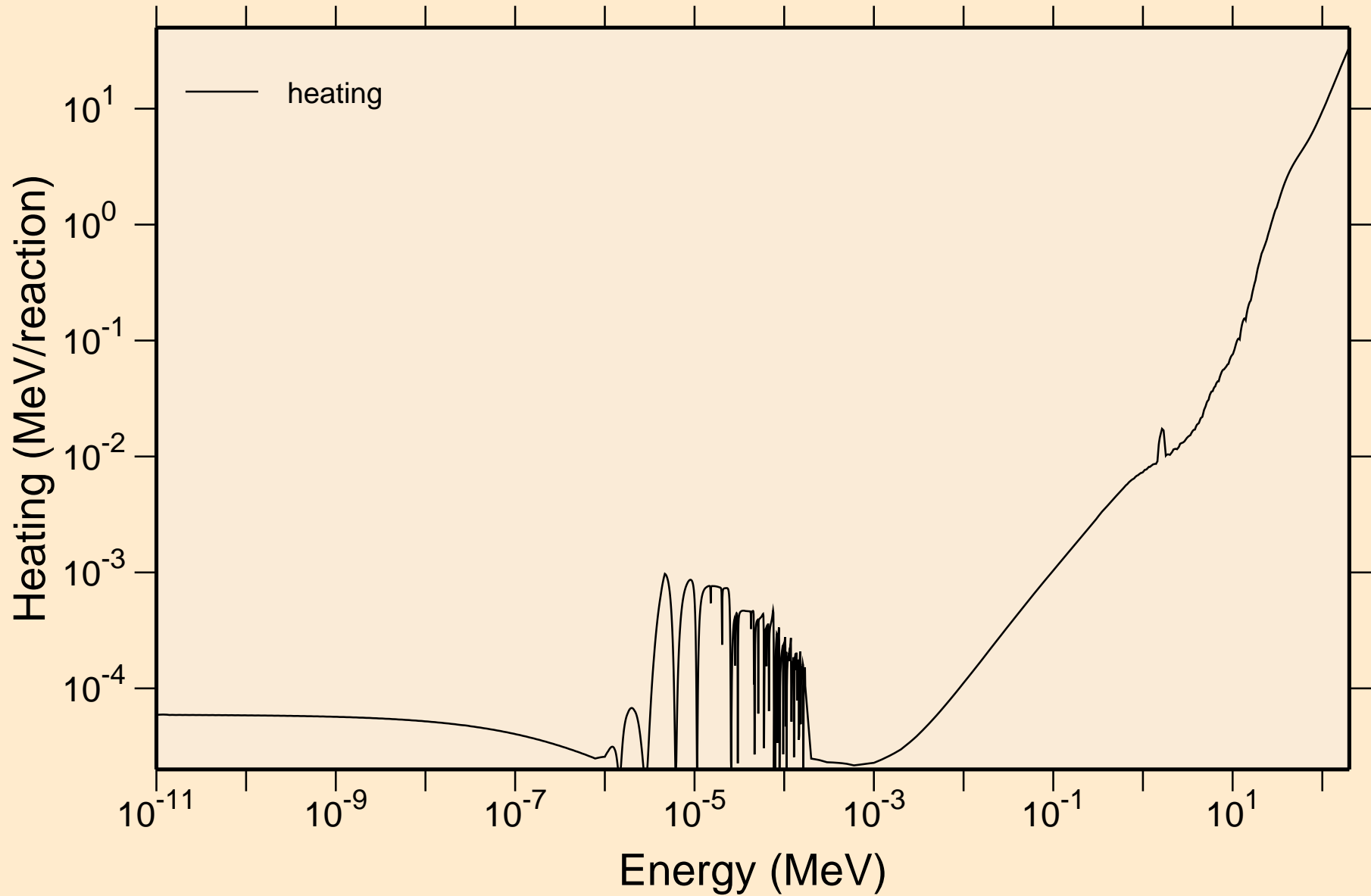


HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



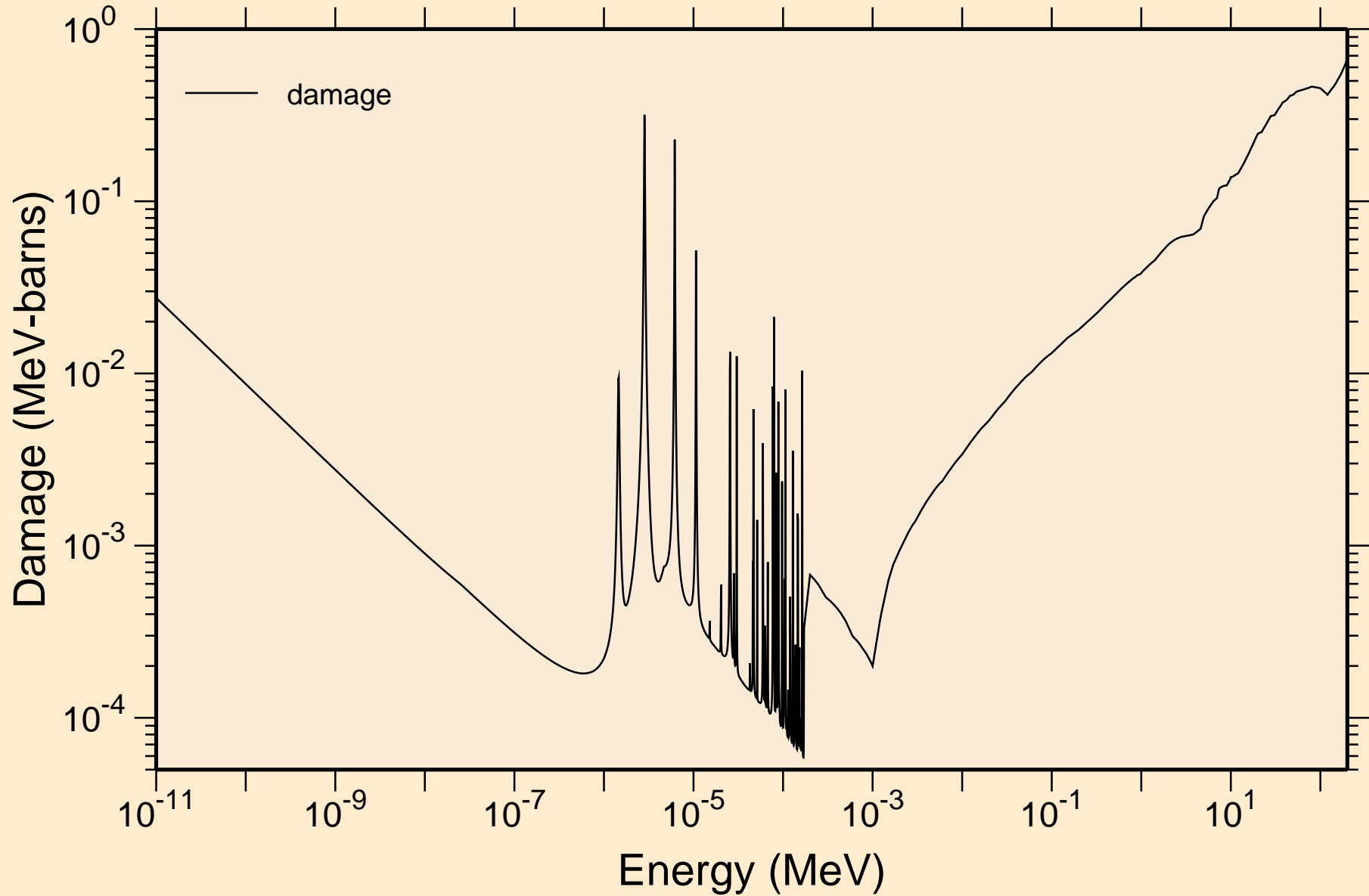
# HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Heating



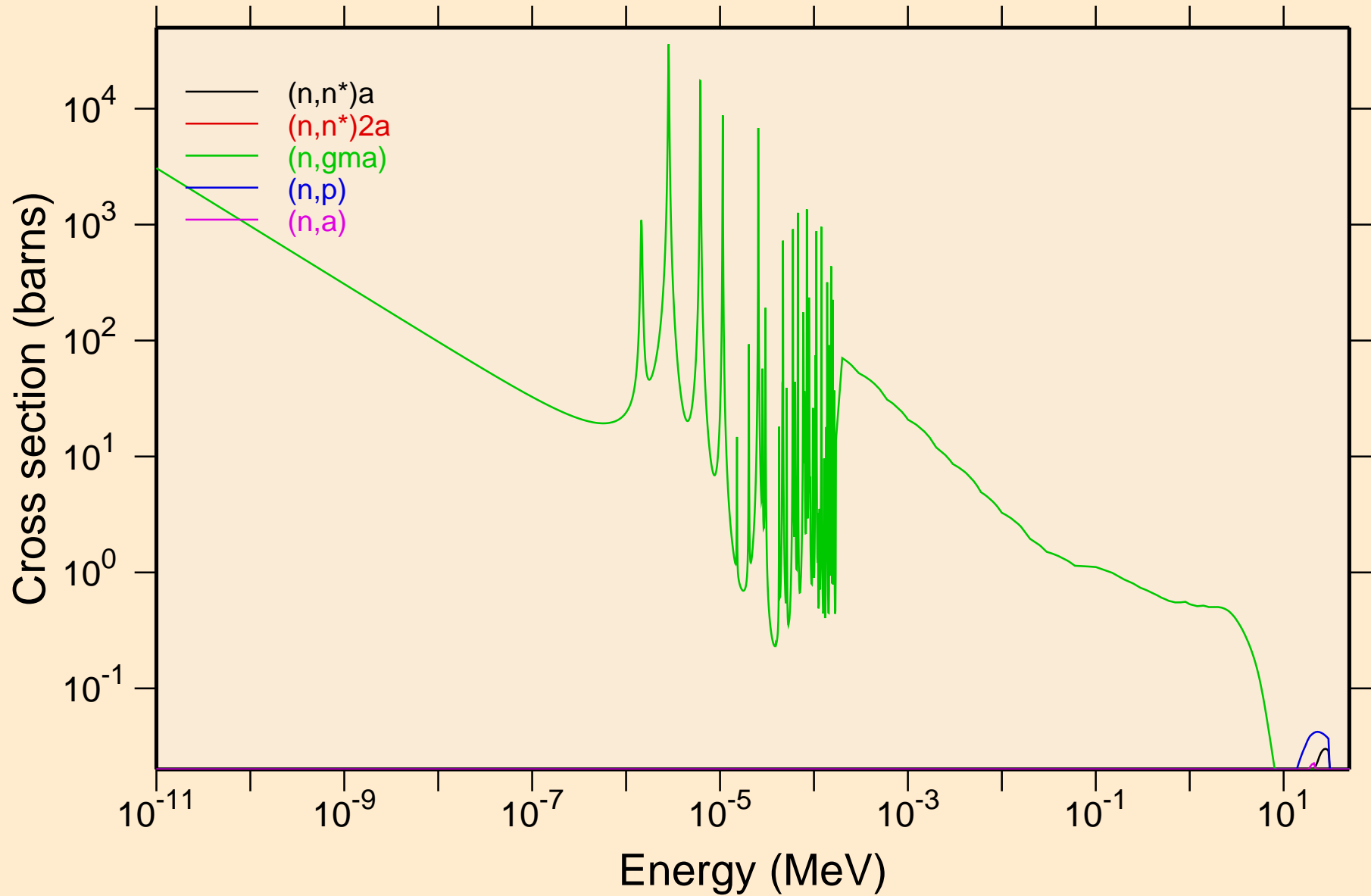
# HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Damage



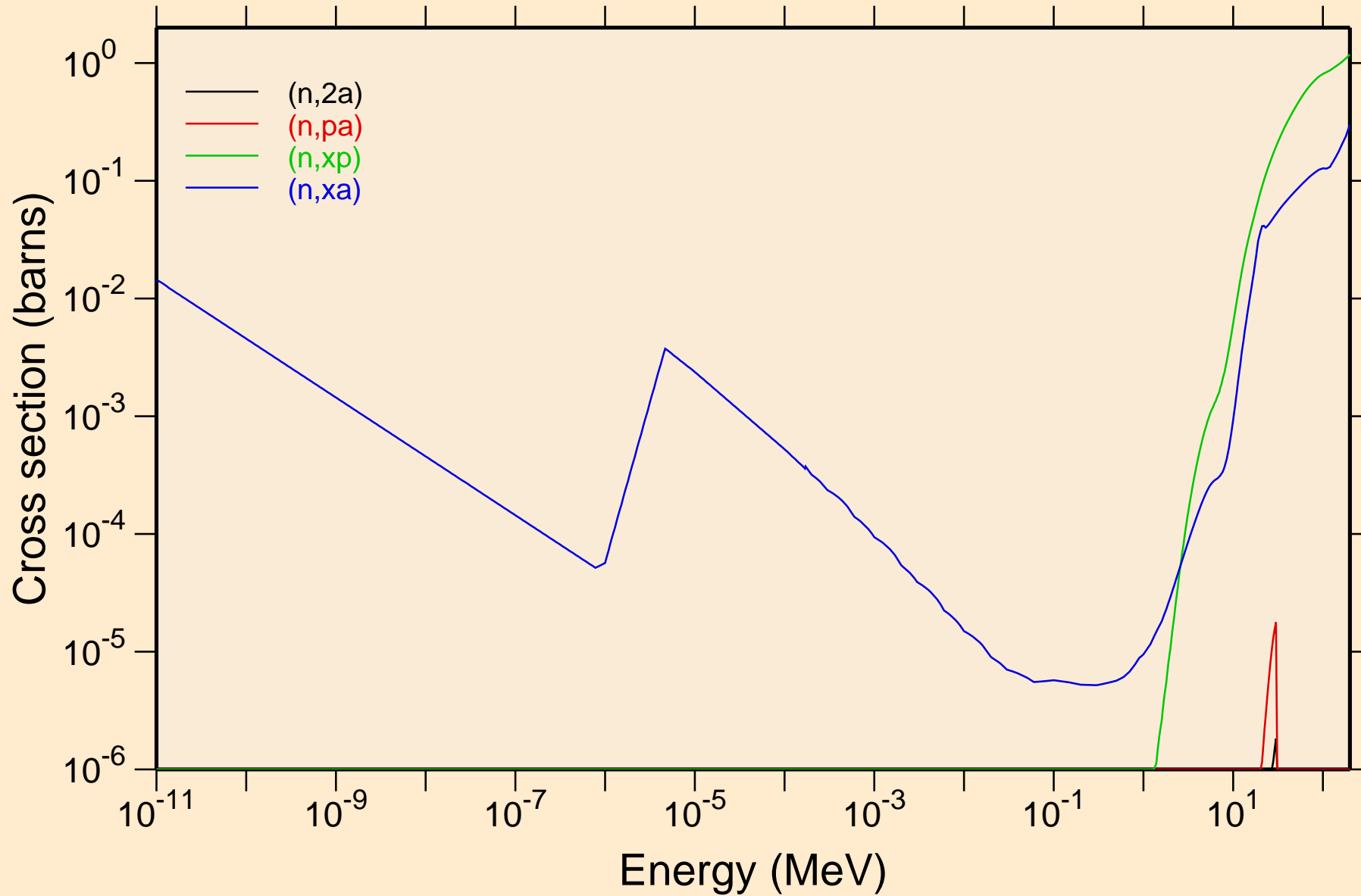
# HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Non-threshold reactions



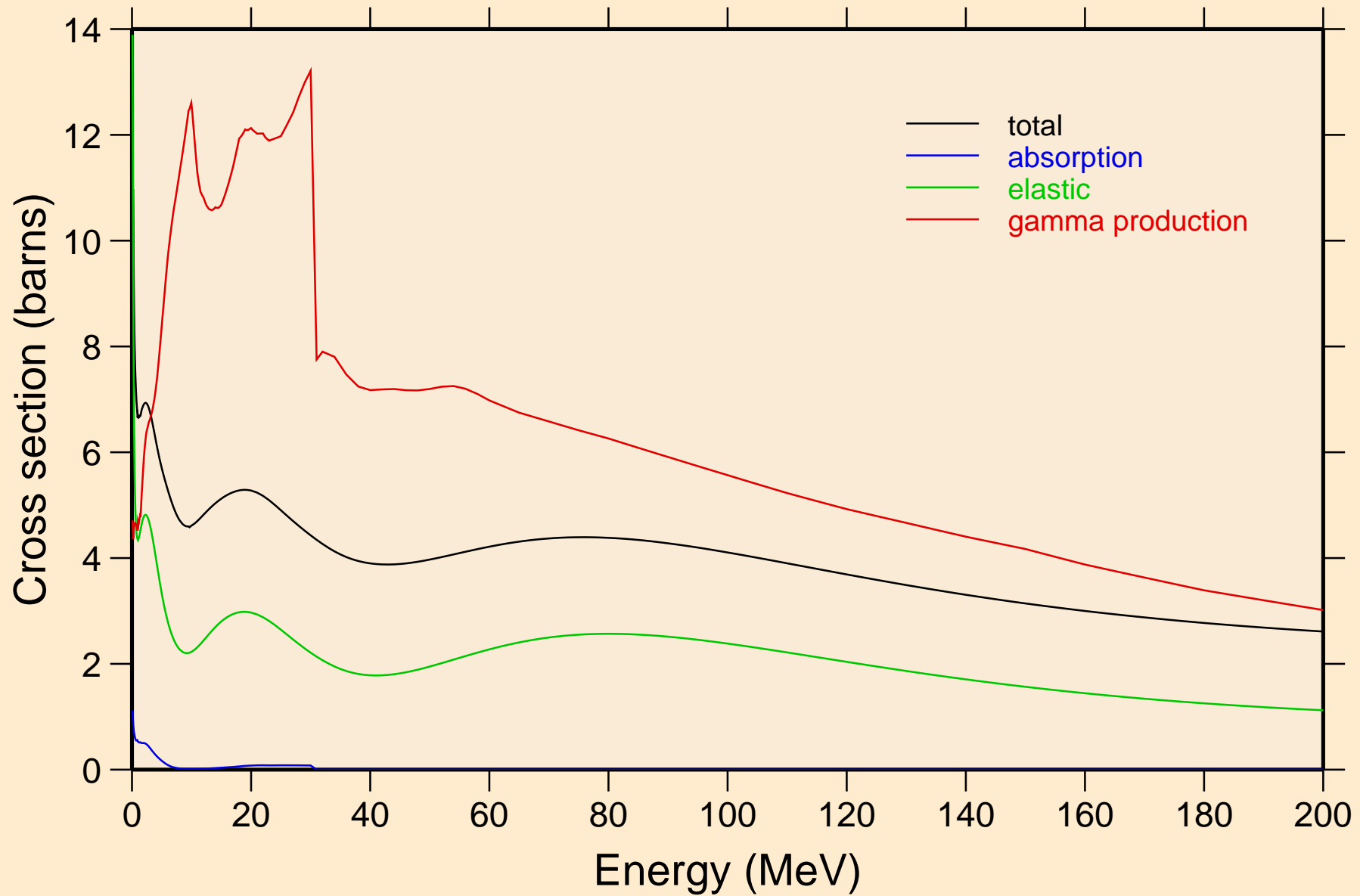
# HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Non-threshold reactions



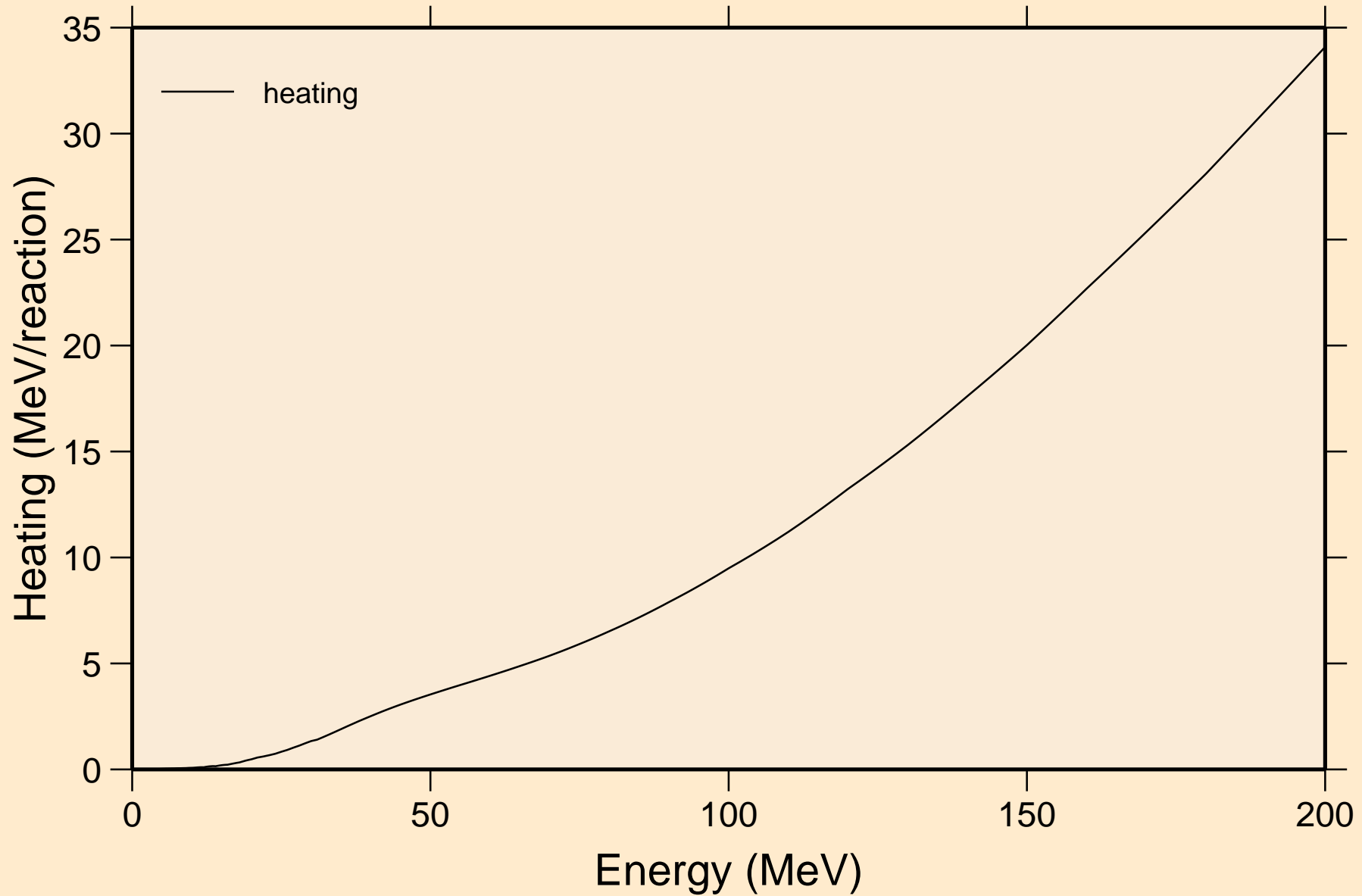
# HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



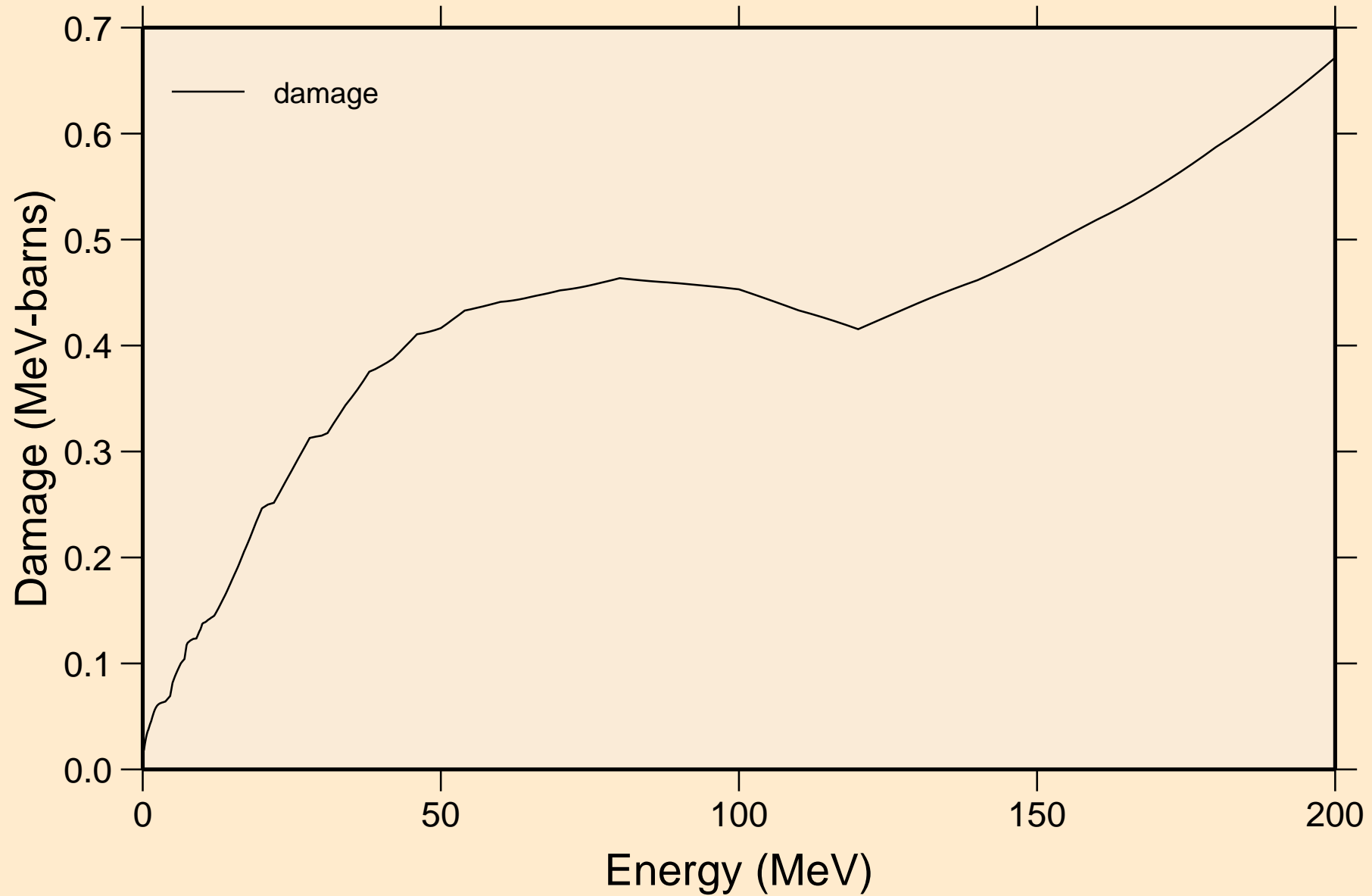
# HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Heating



# HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

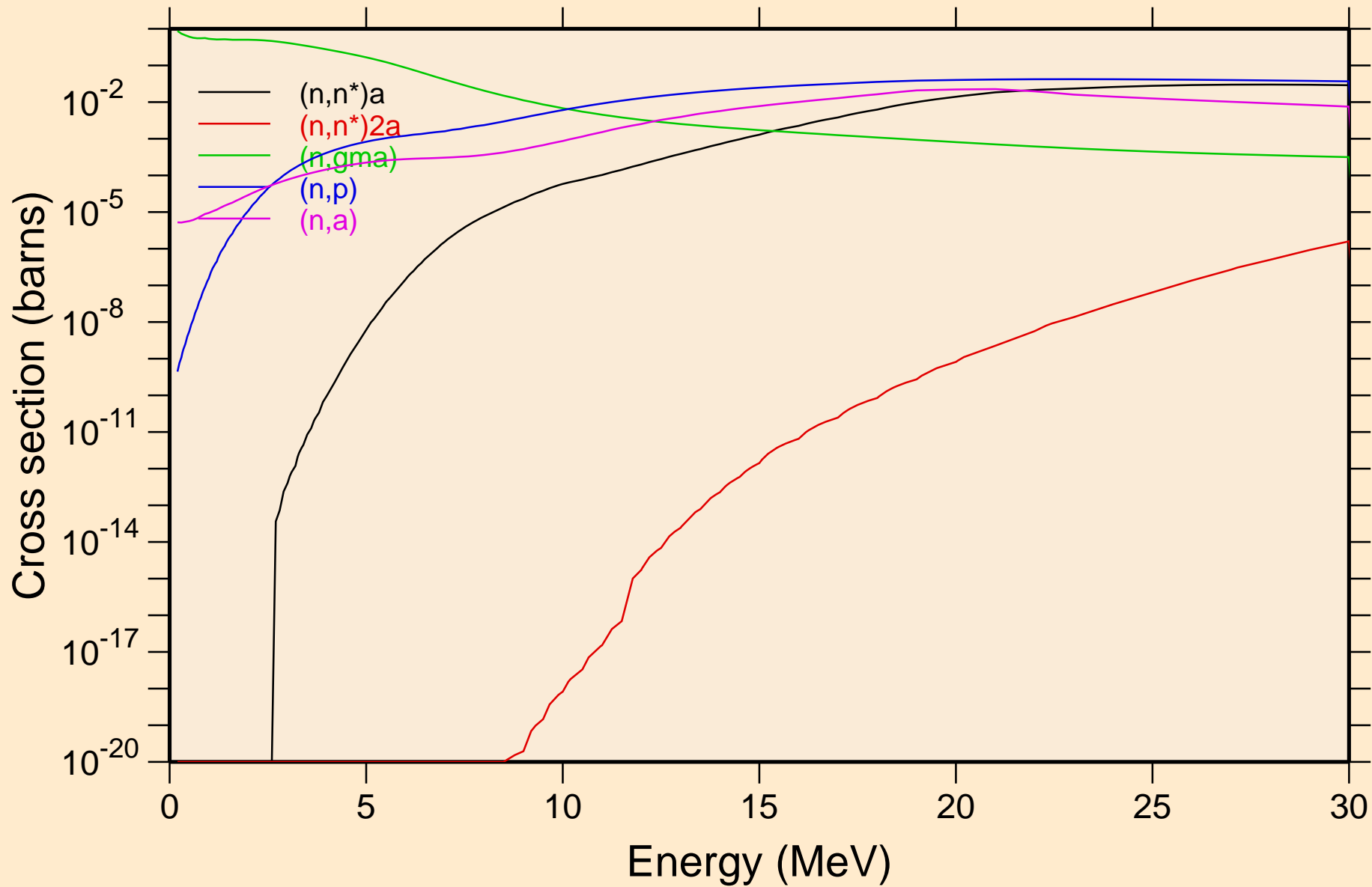
## Damage





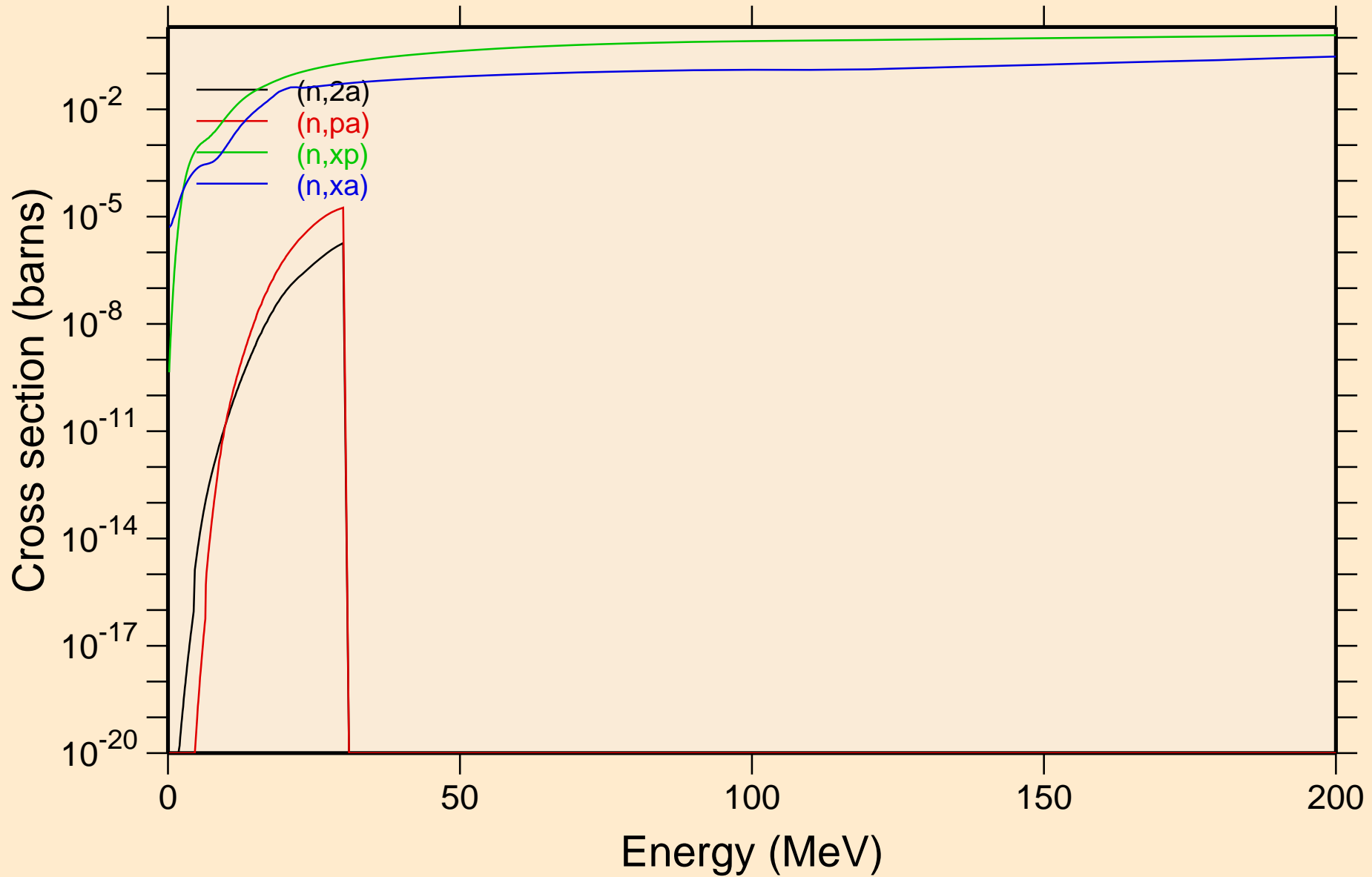
# HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Non-threshold reactions



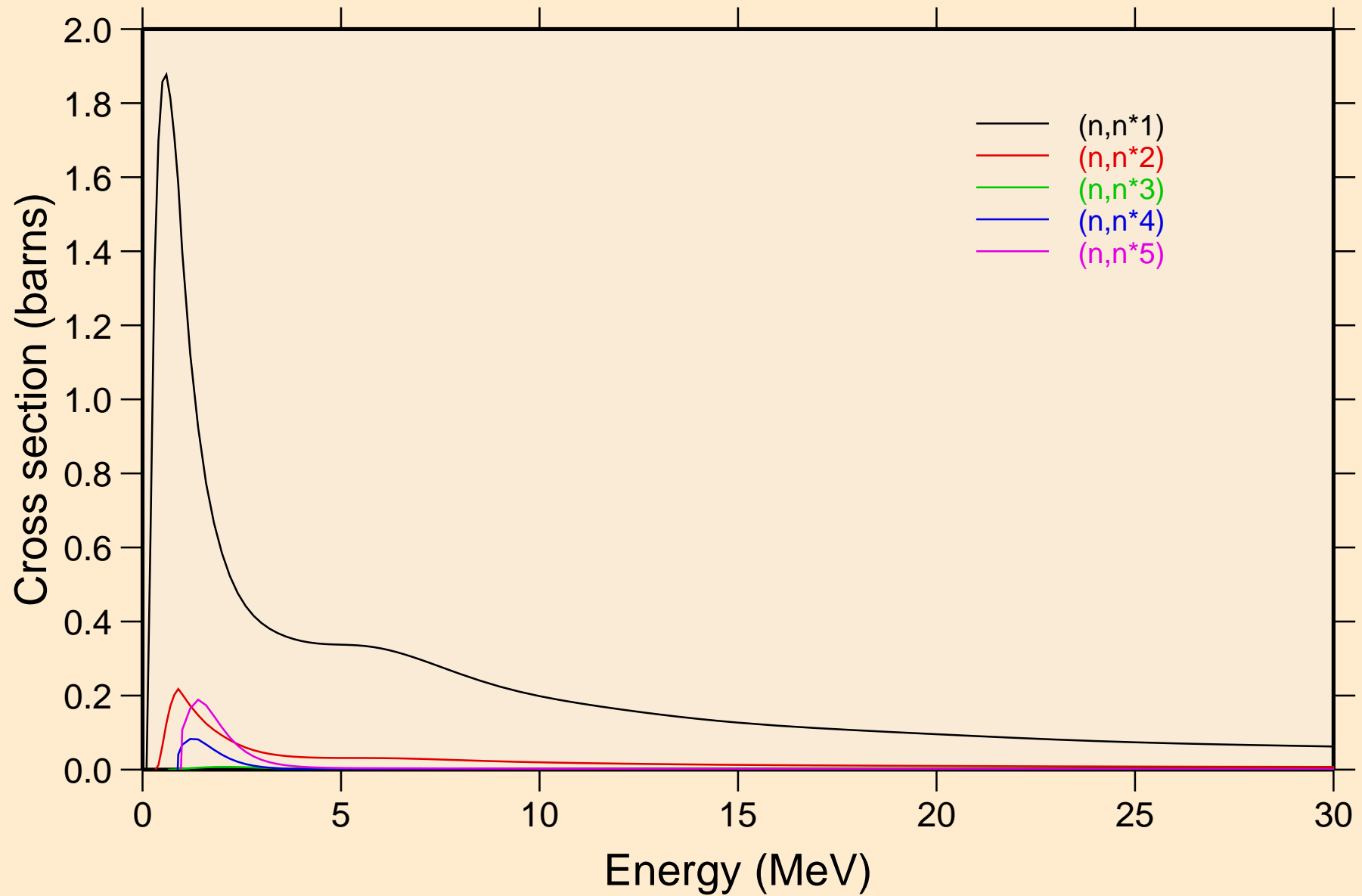
# HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Non-threshold reactions

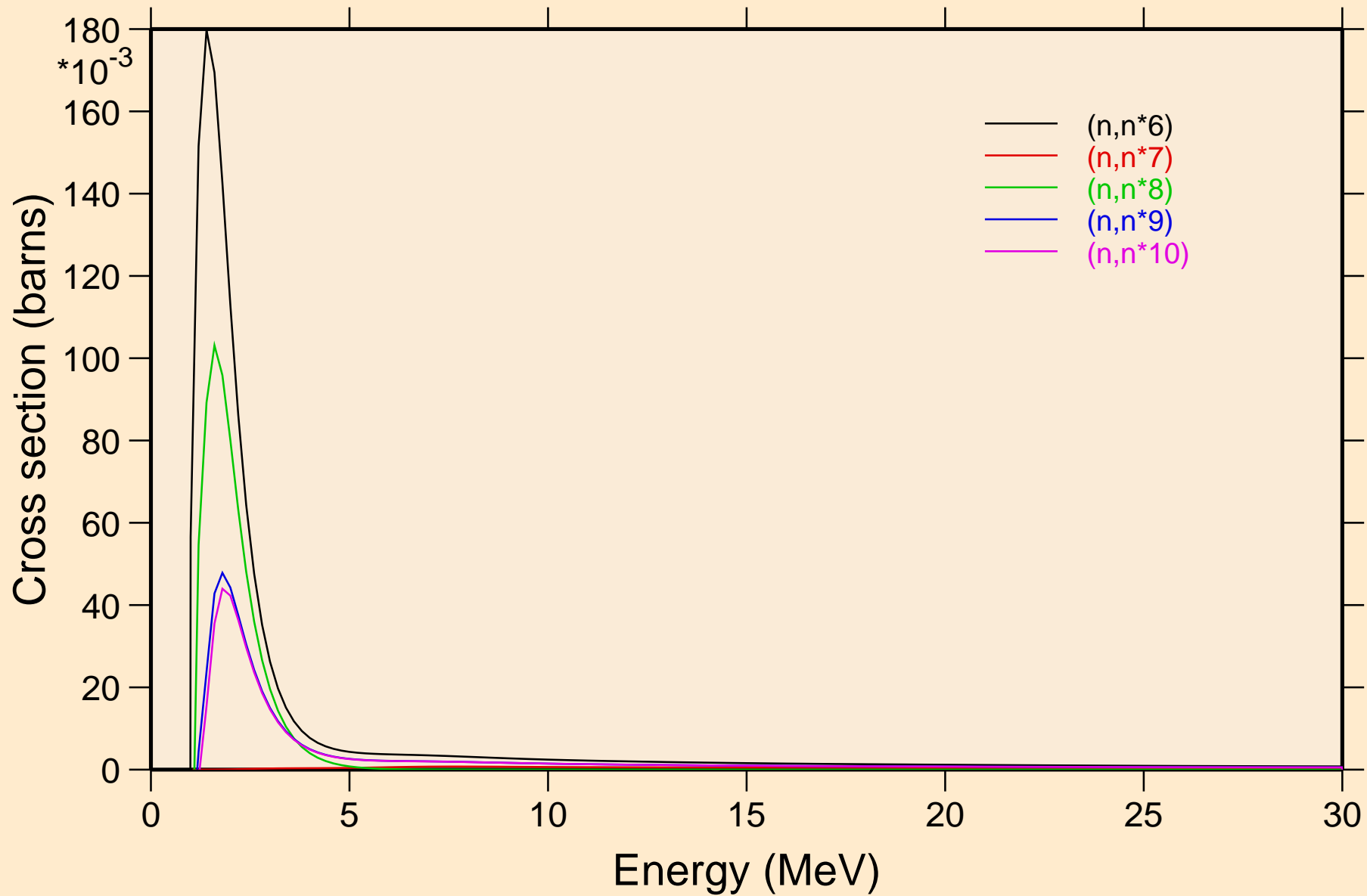


# HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

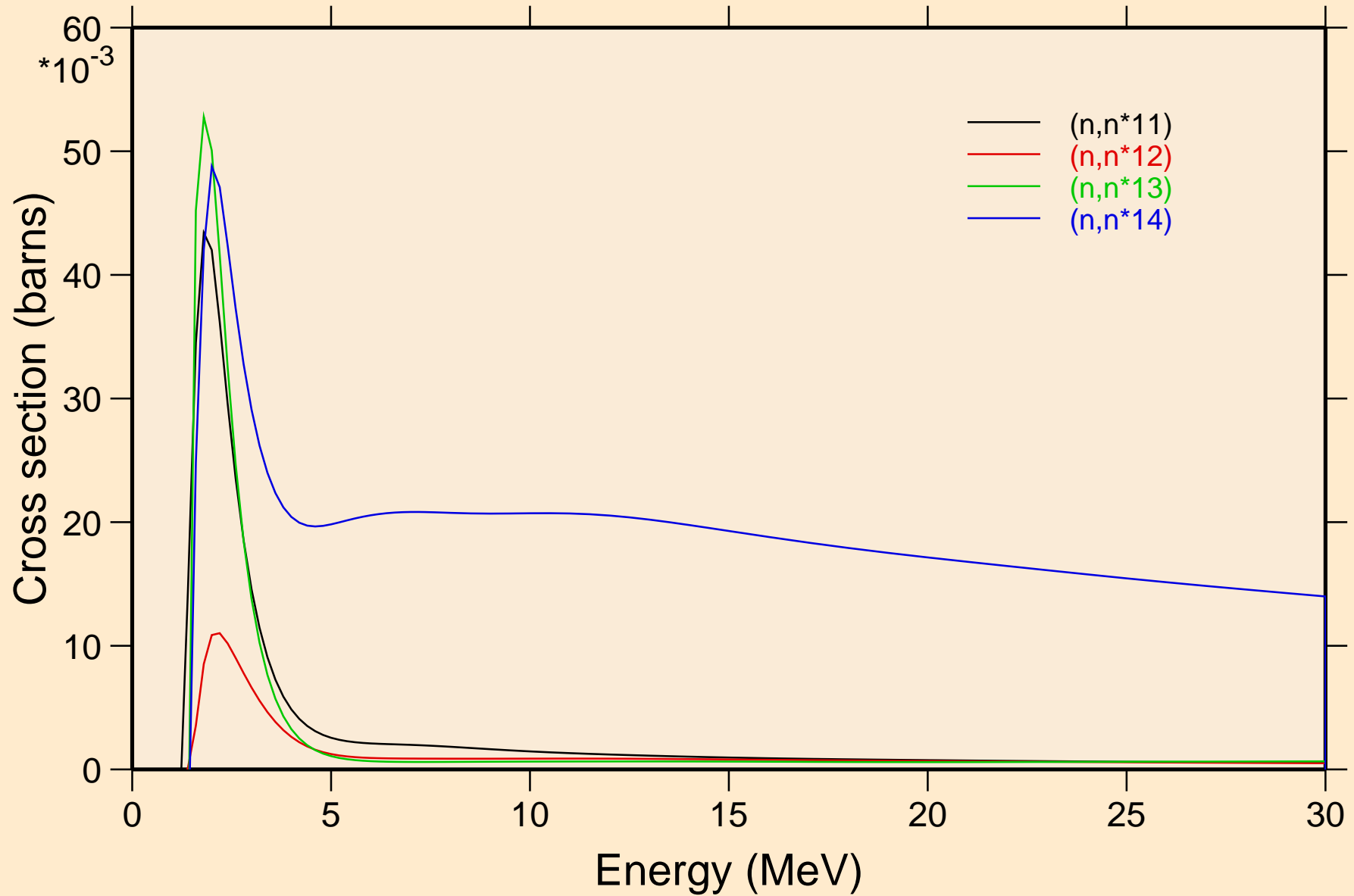
## Inelastic levels



HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

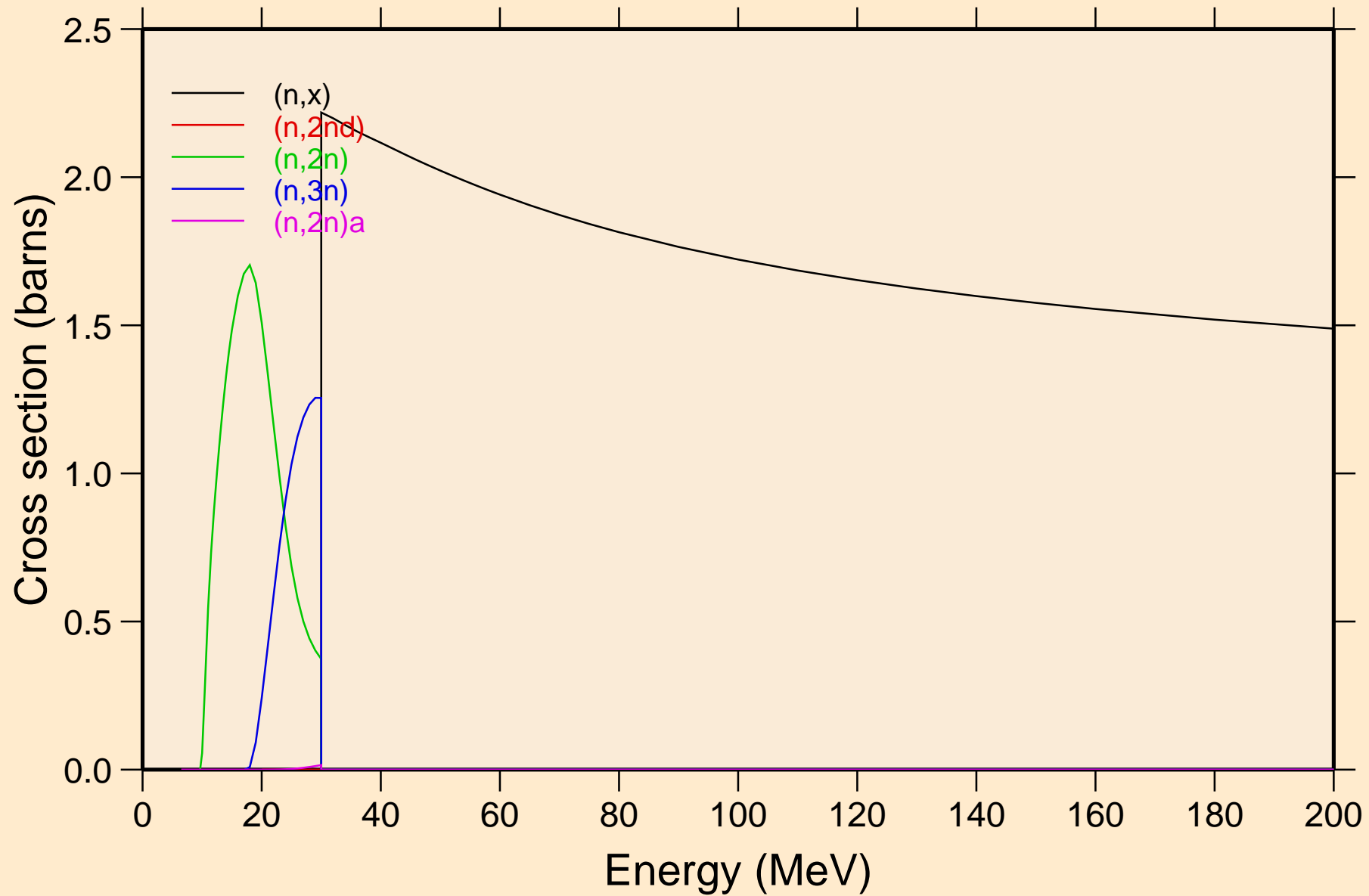


HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



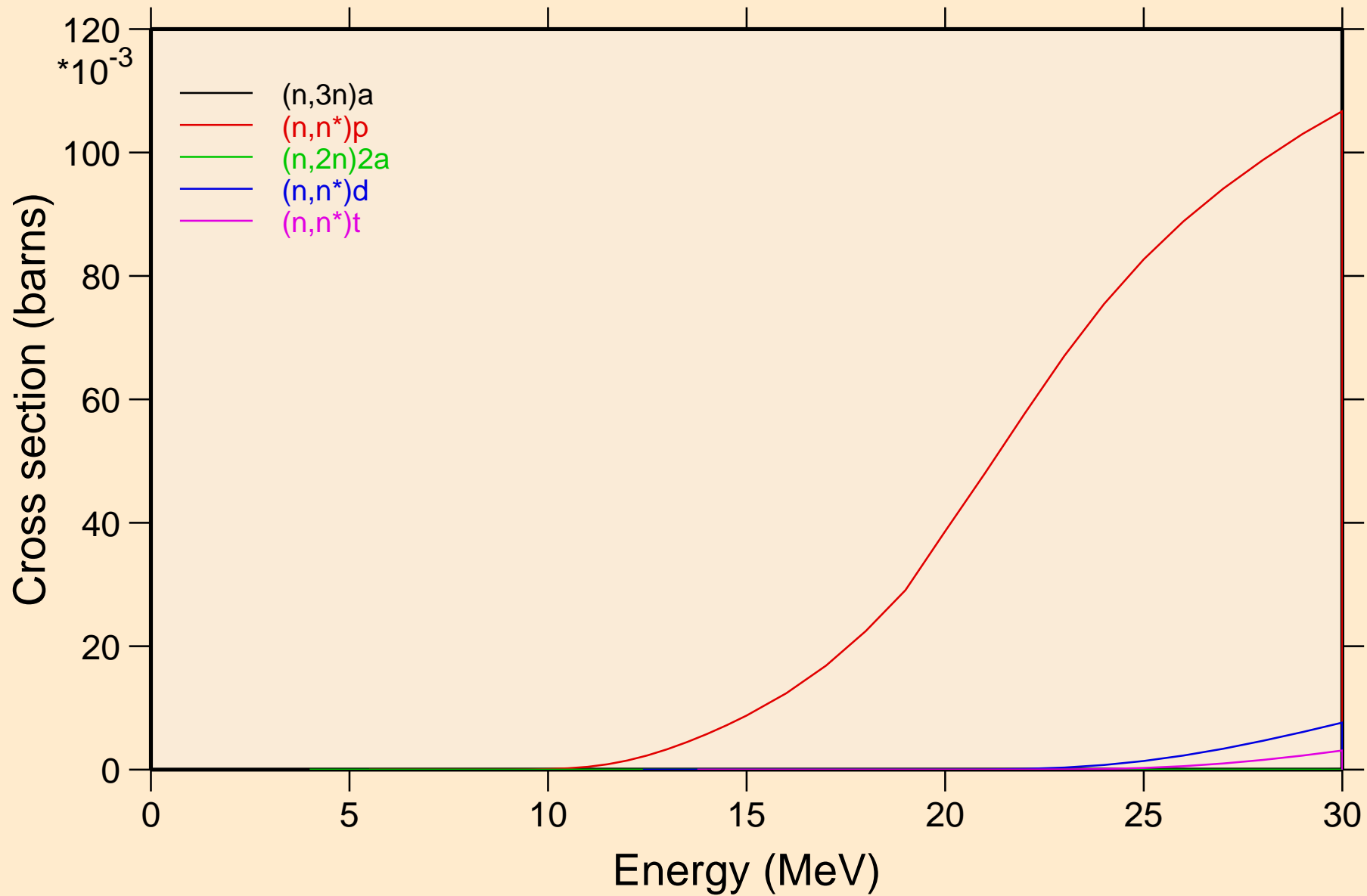
# HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



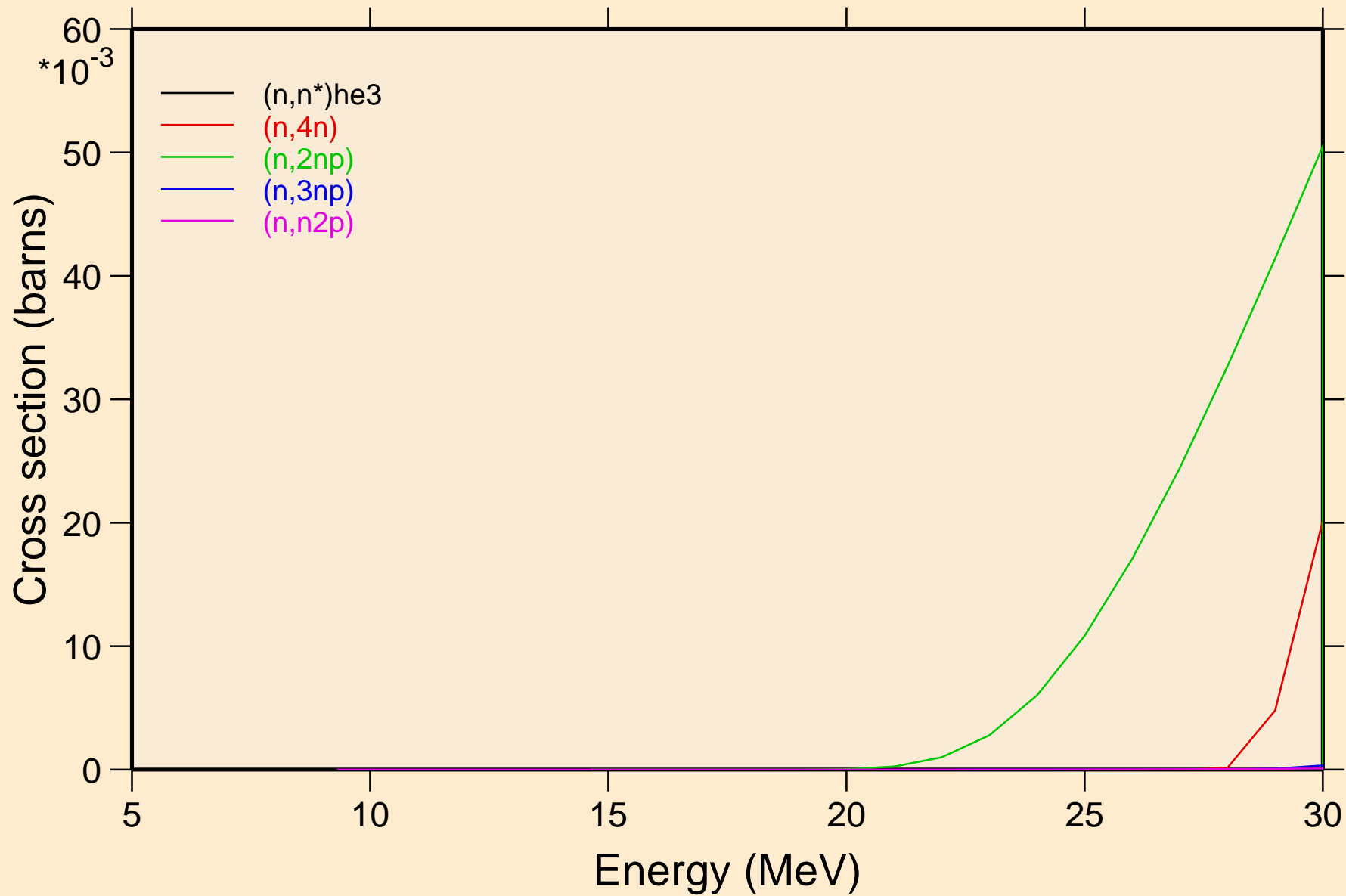
# HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



# HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

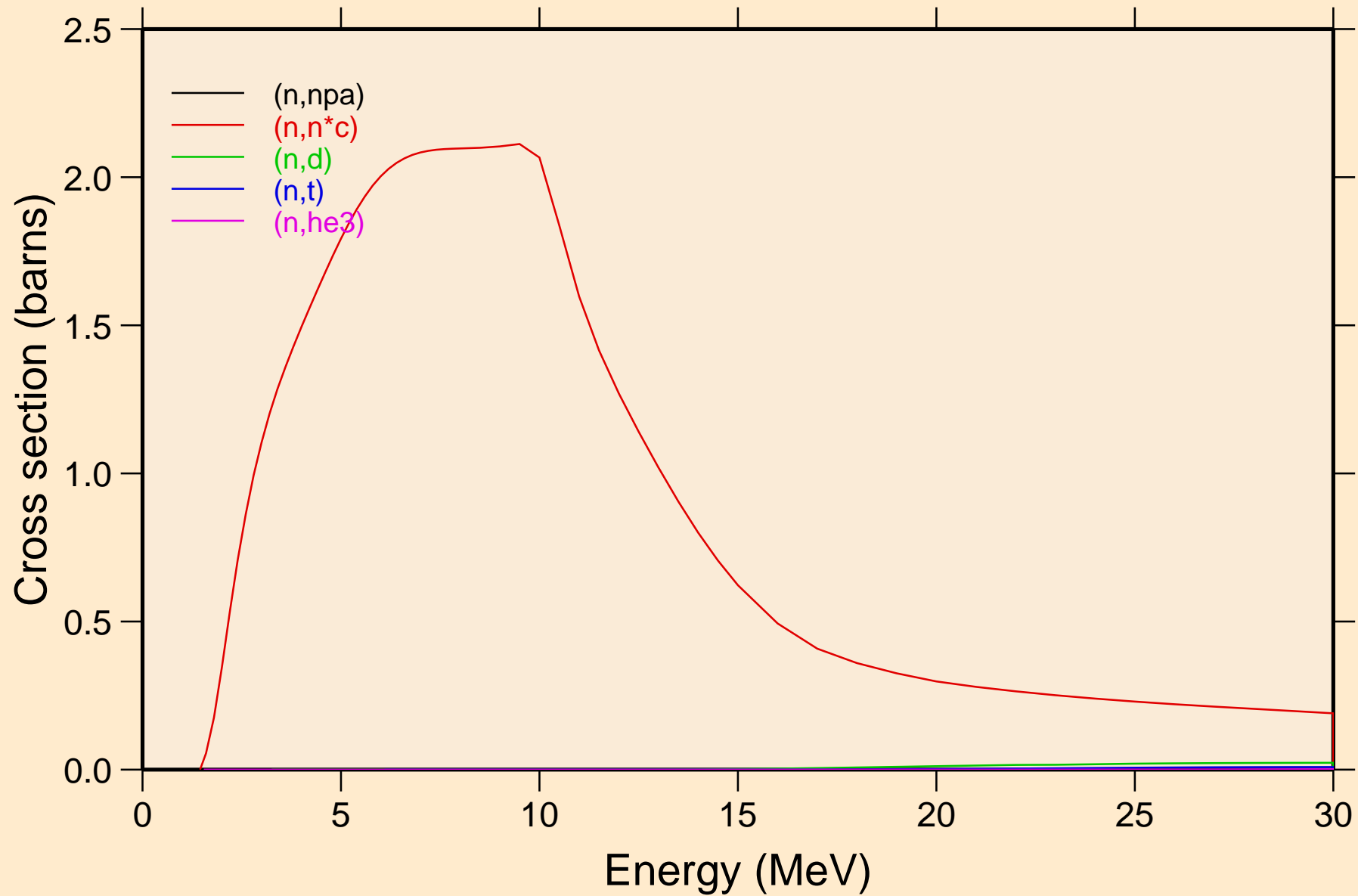
## Threshold reactions





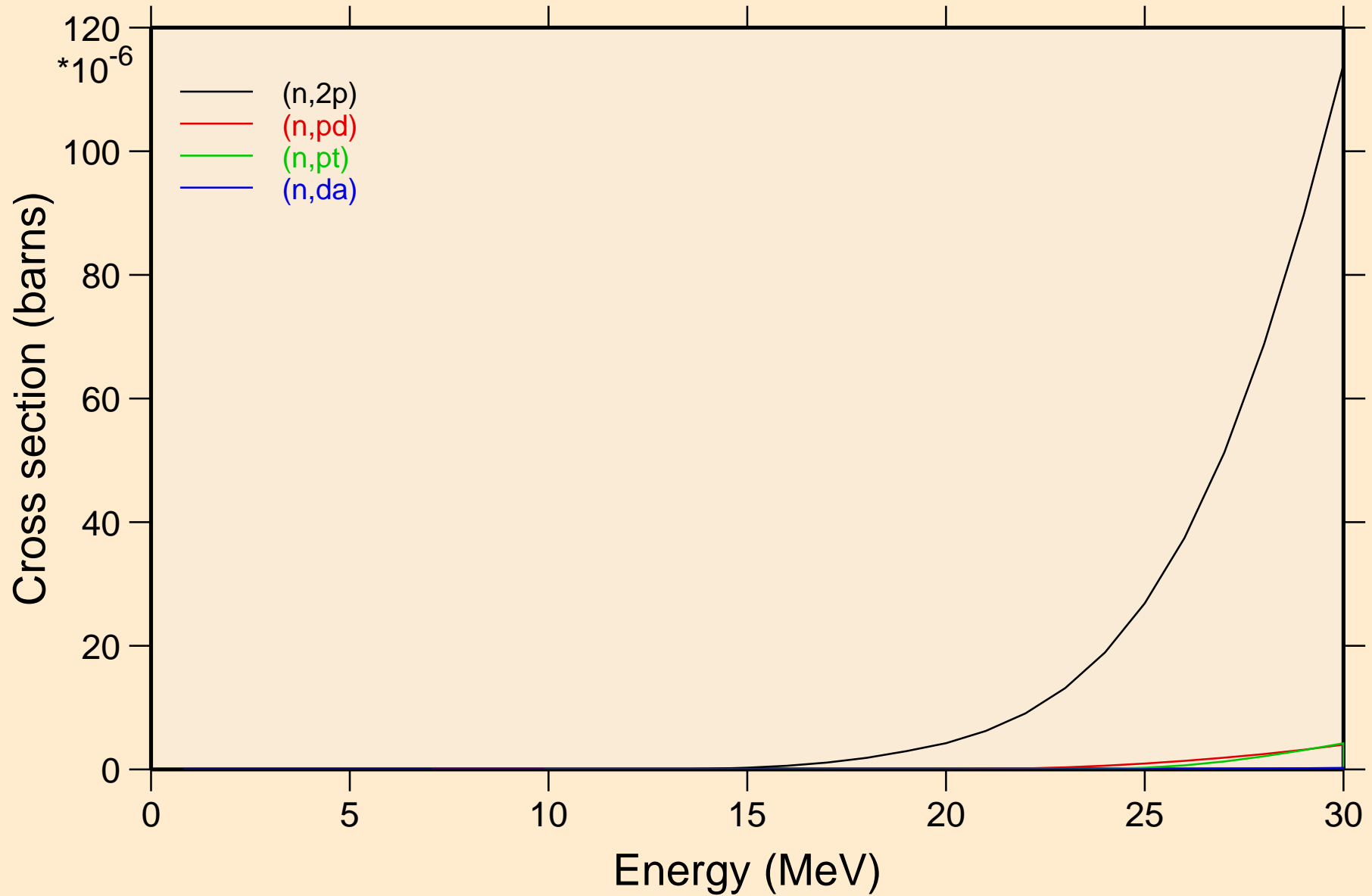
# HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



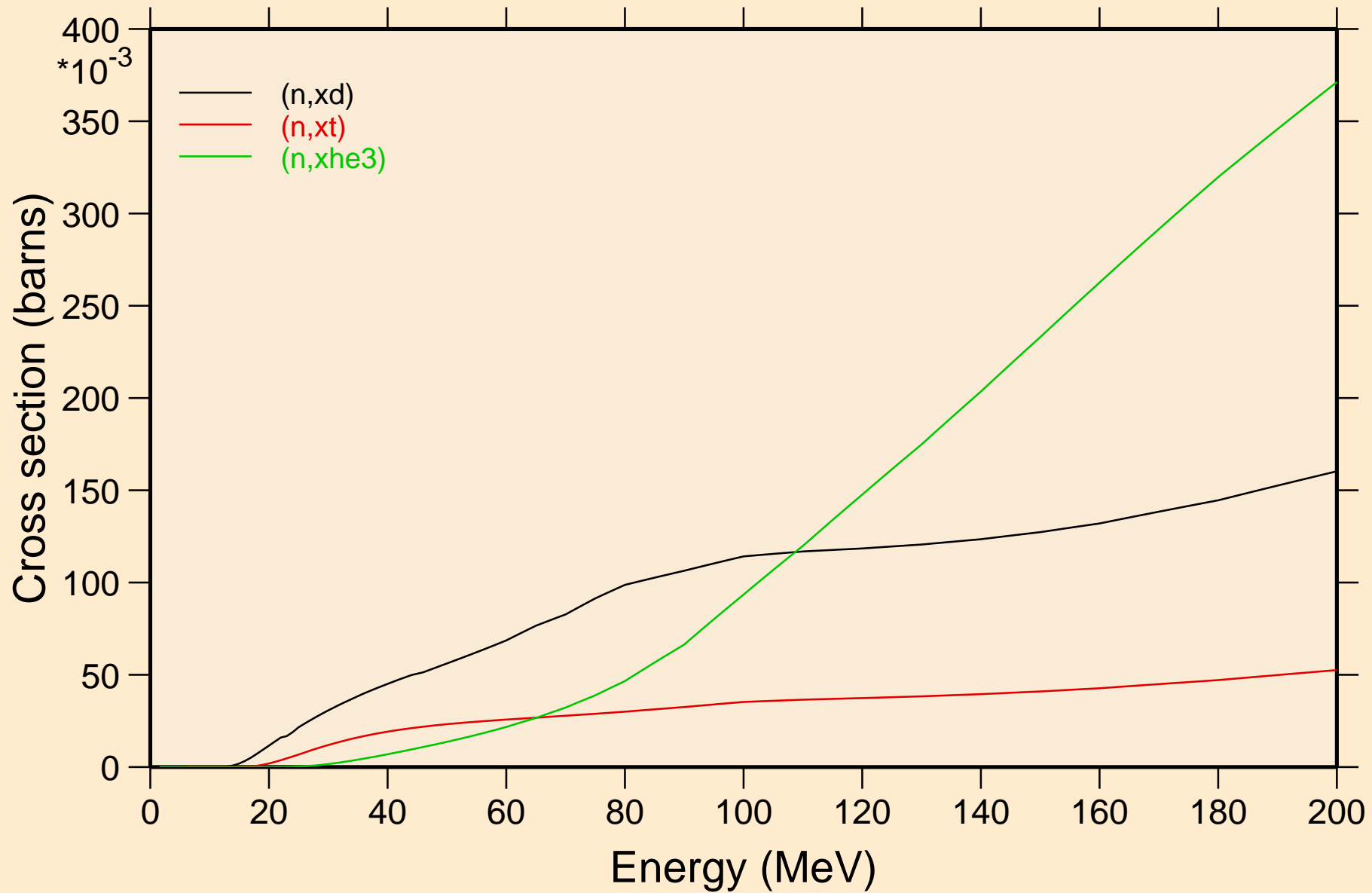
# HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions

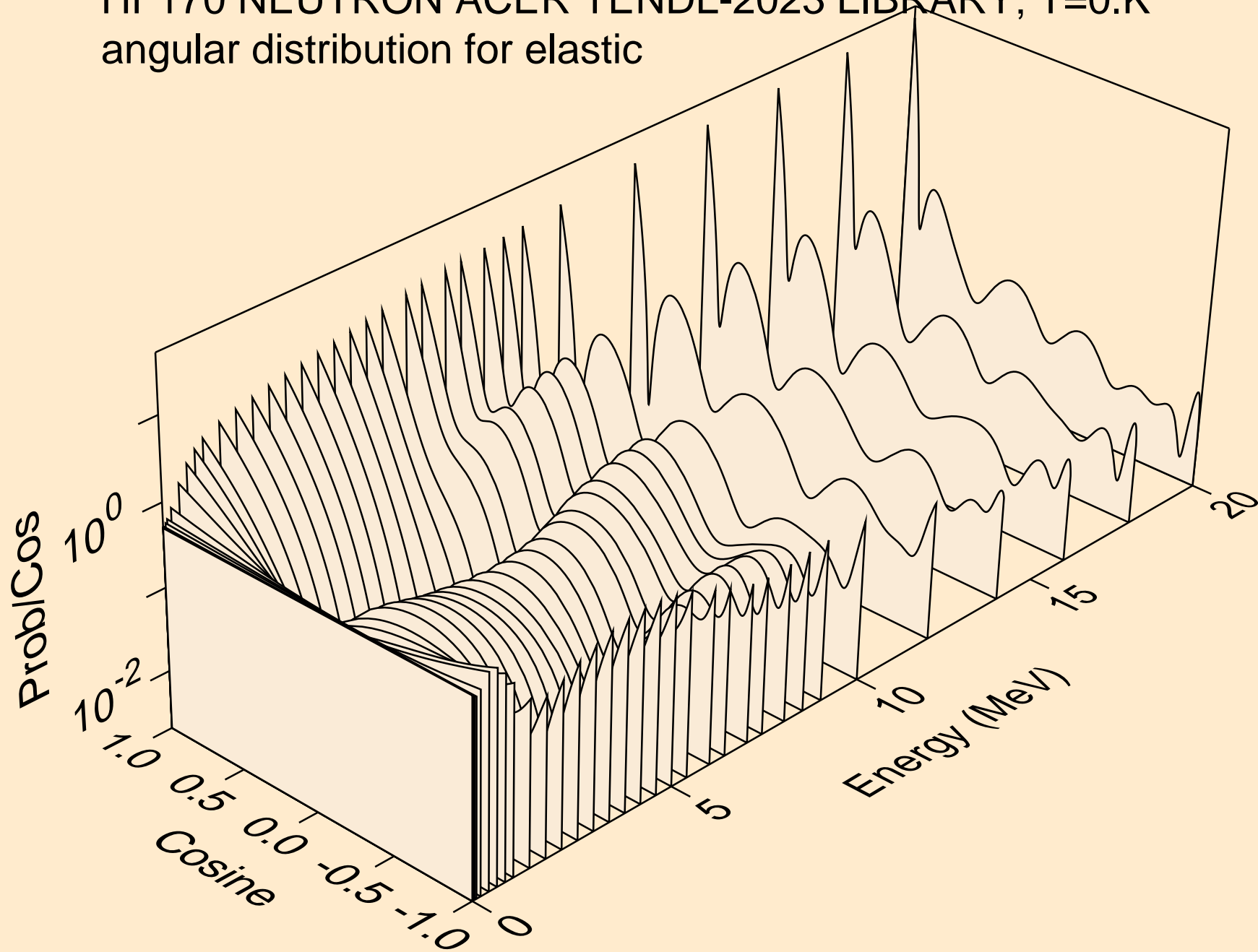


# HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

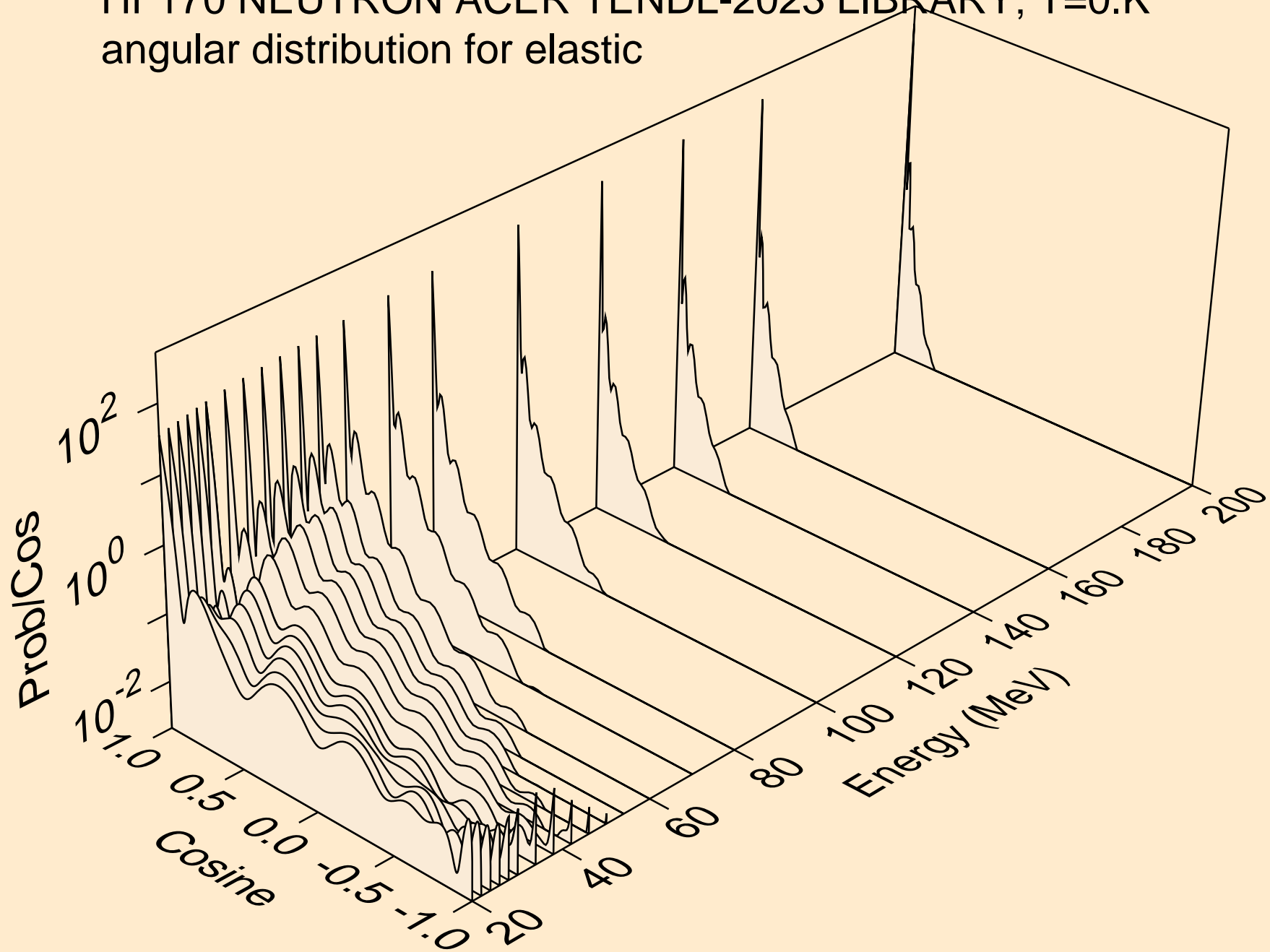
## Threshold reactions



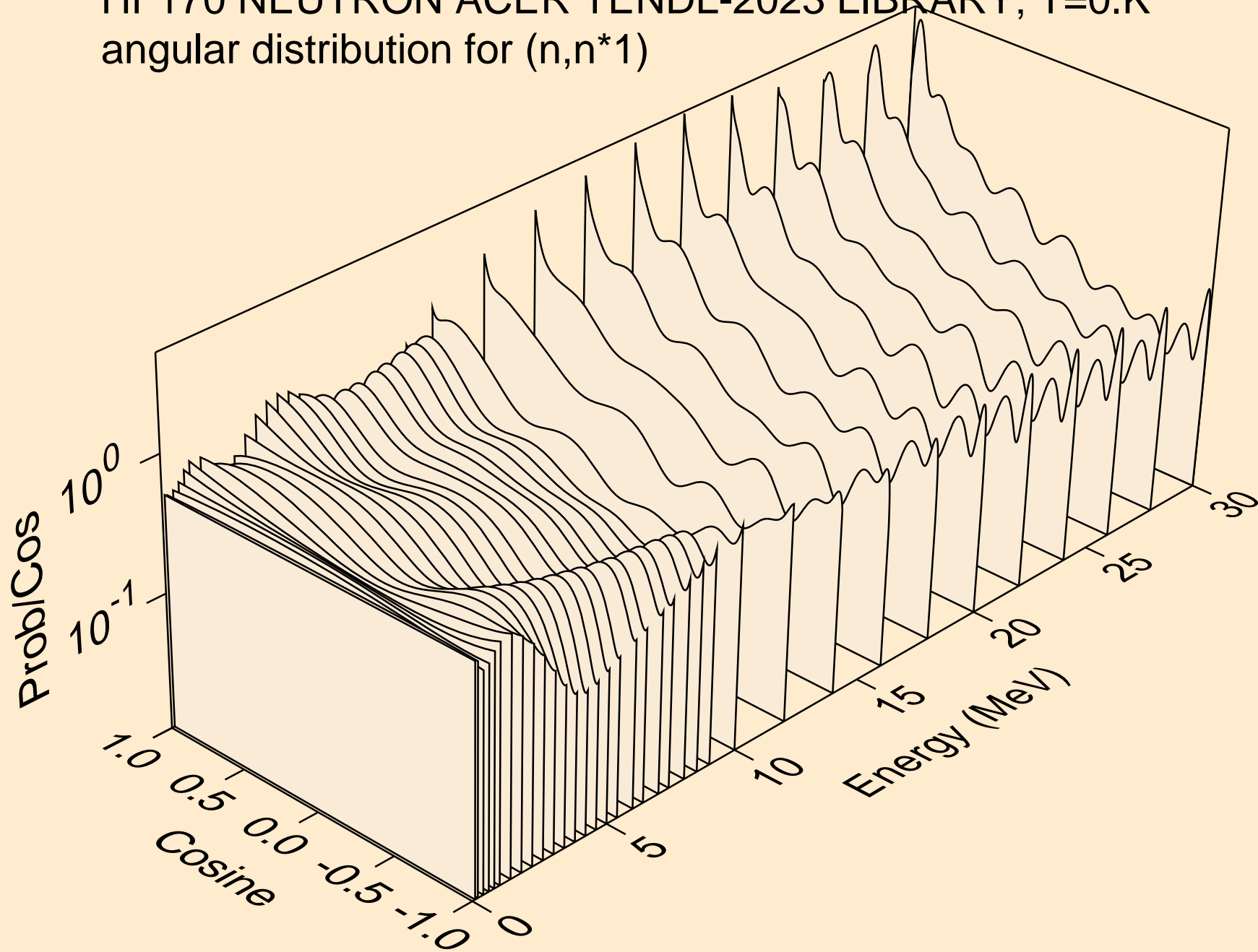
HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



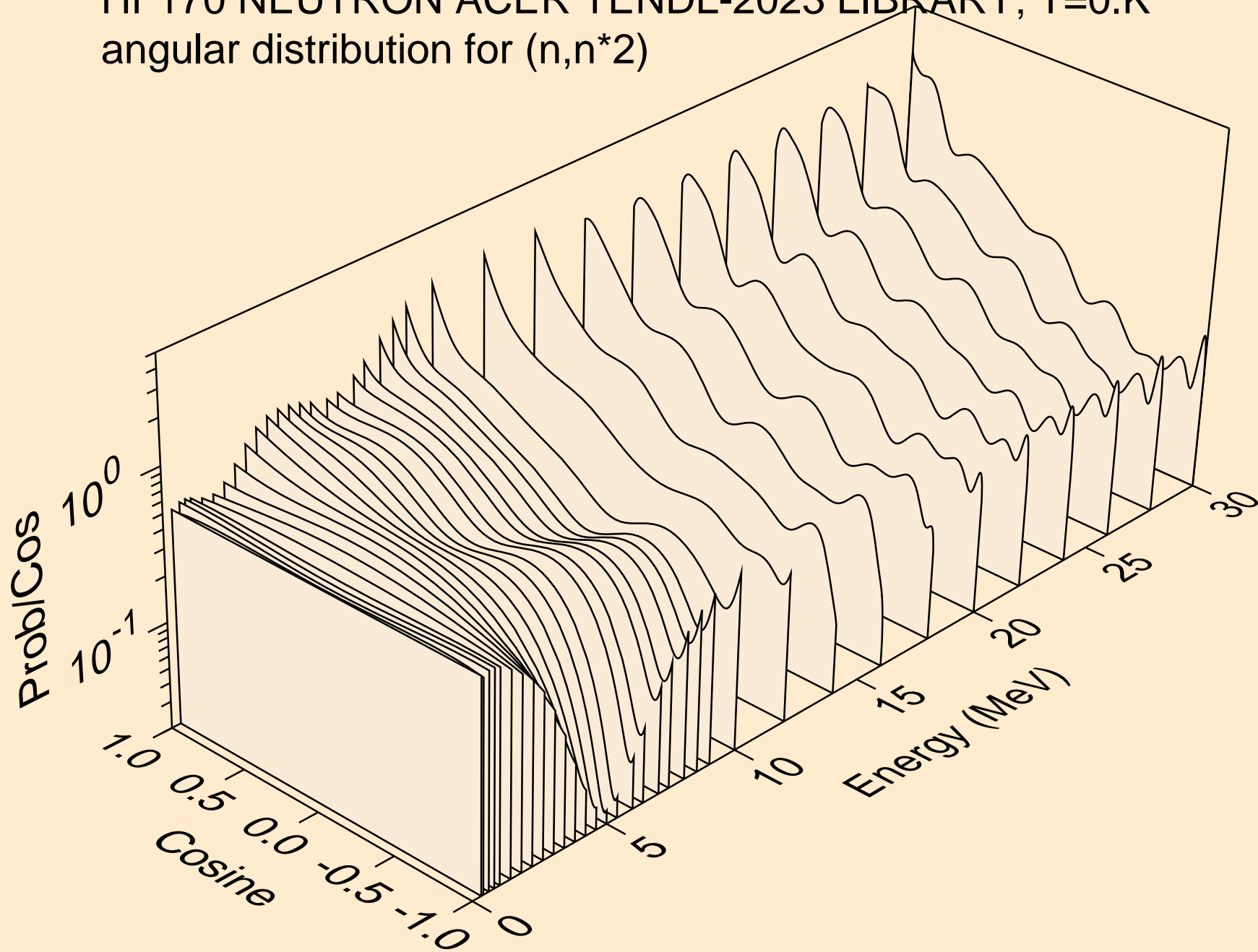
HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



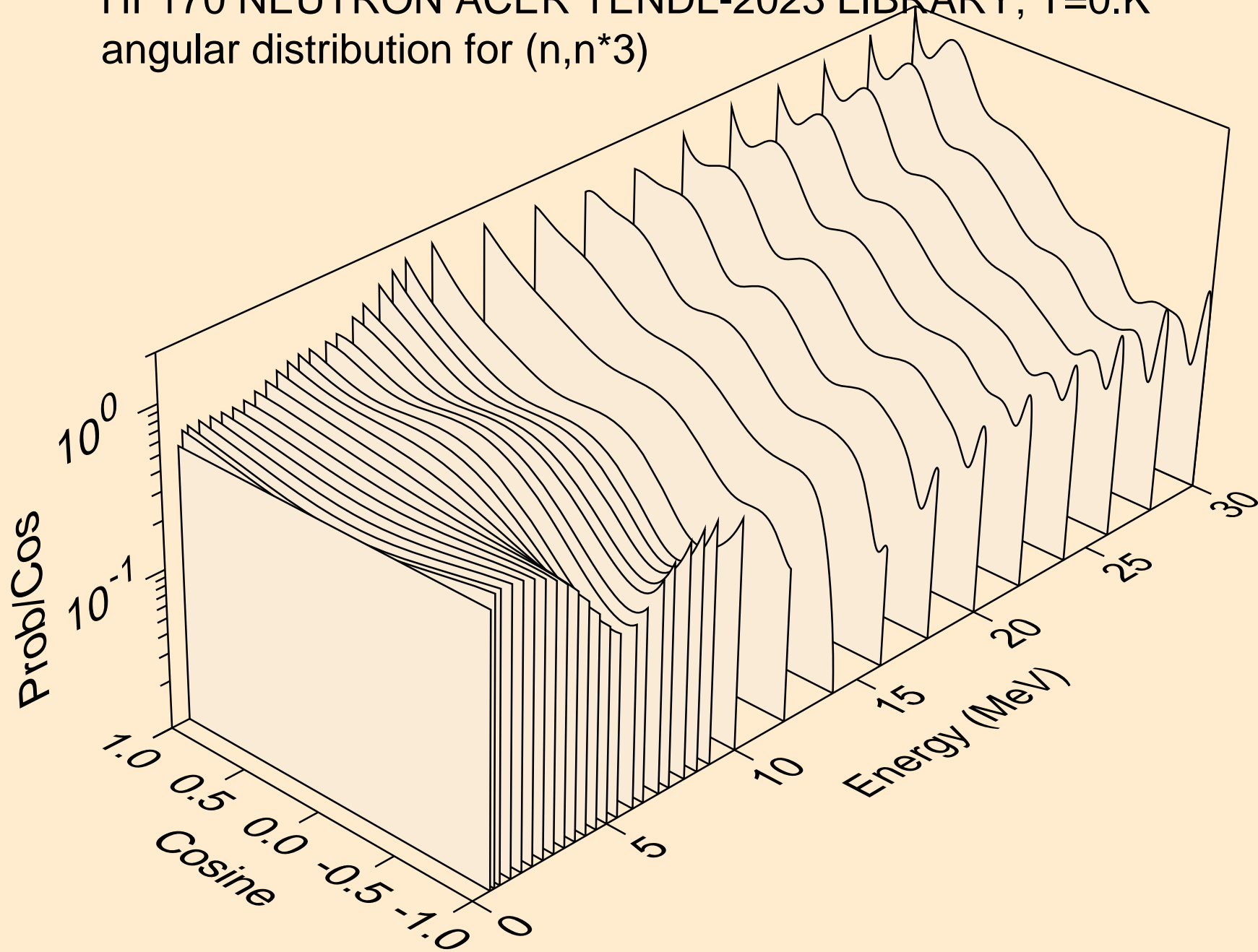
HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*2)

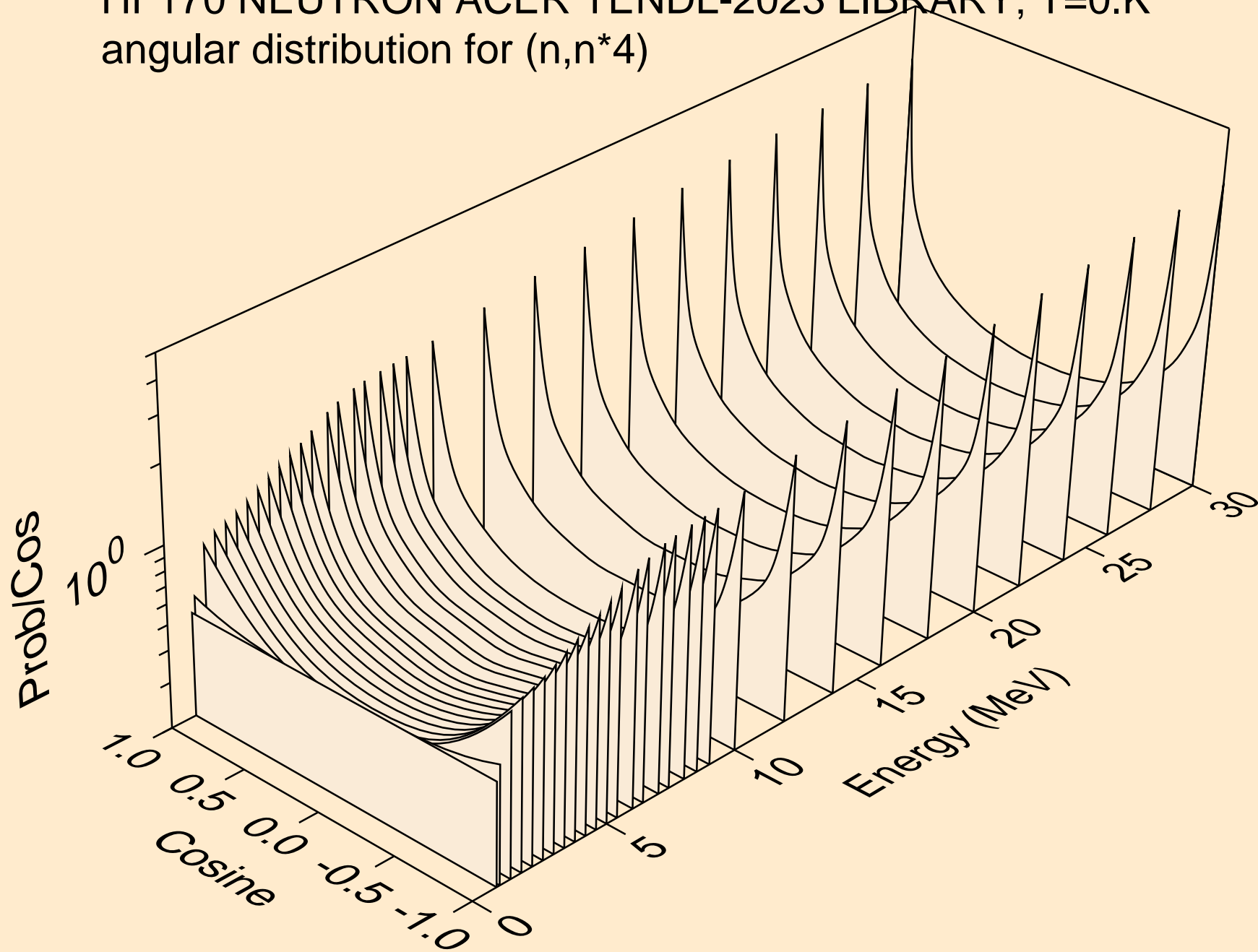


HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*3)

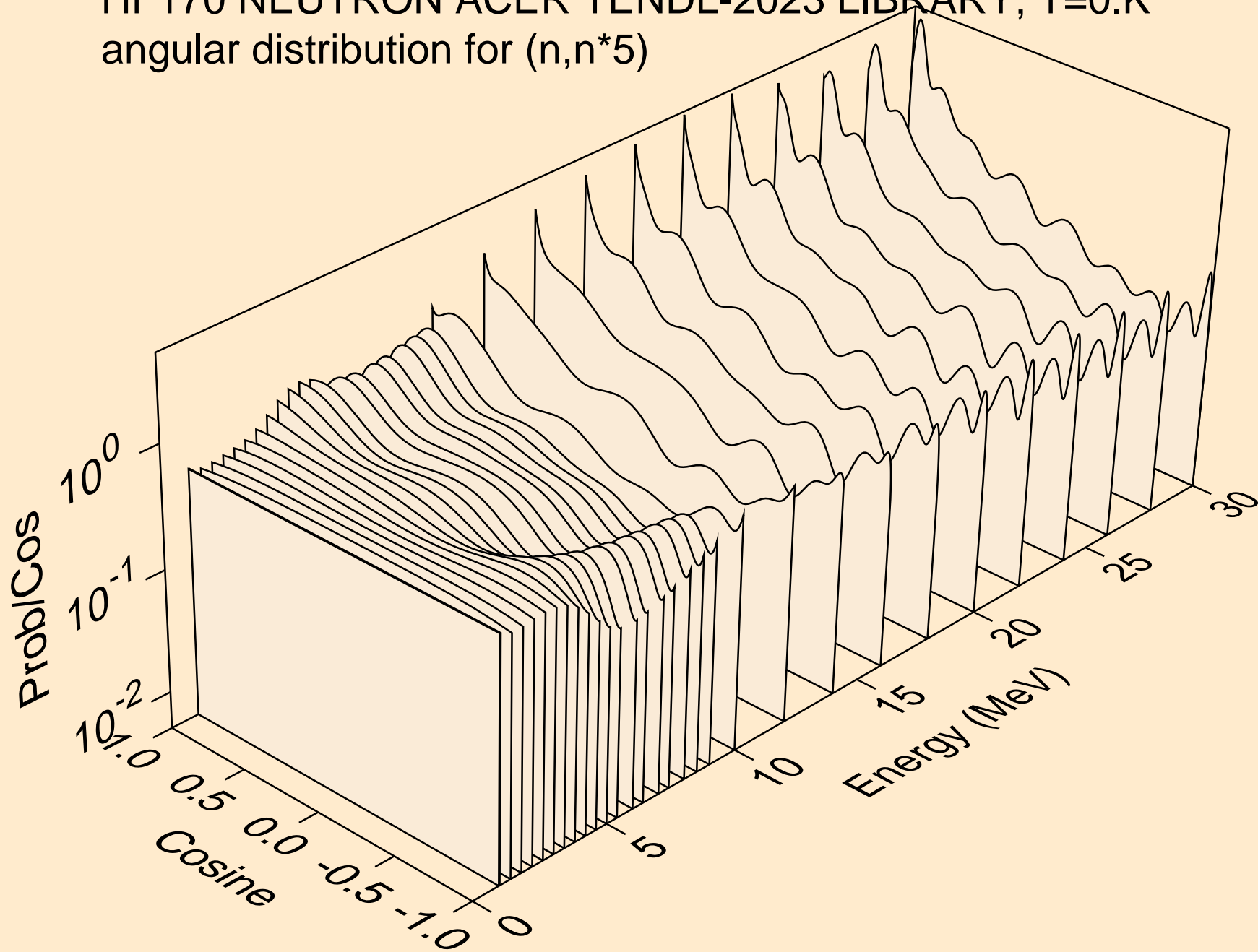




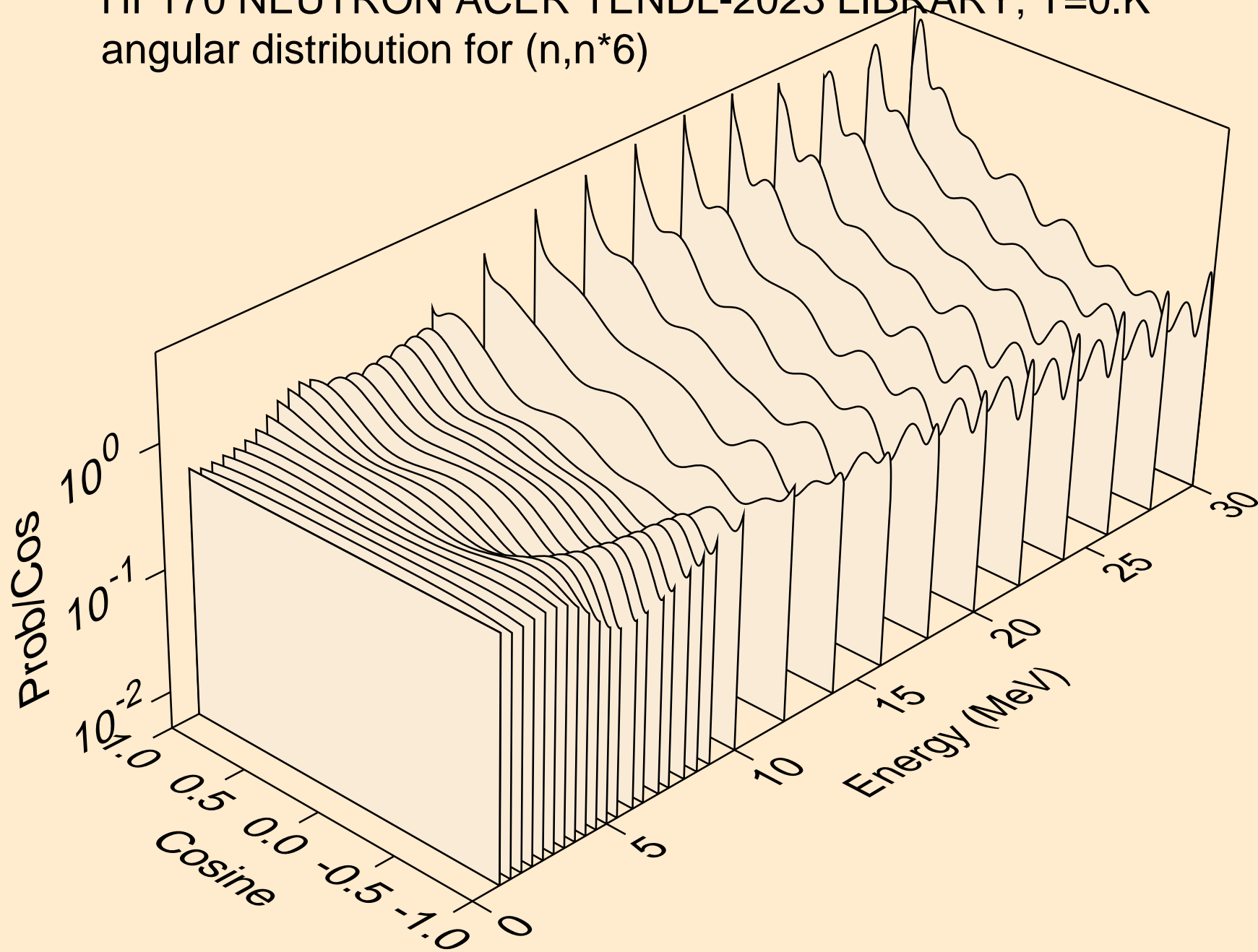
HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*4)



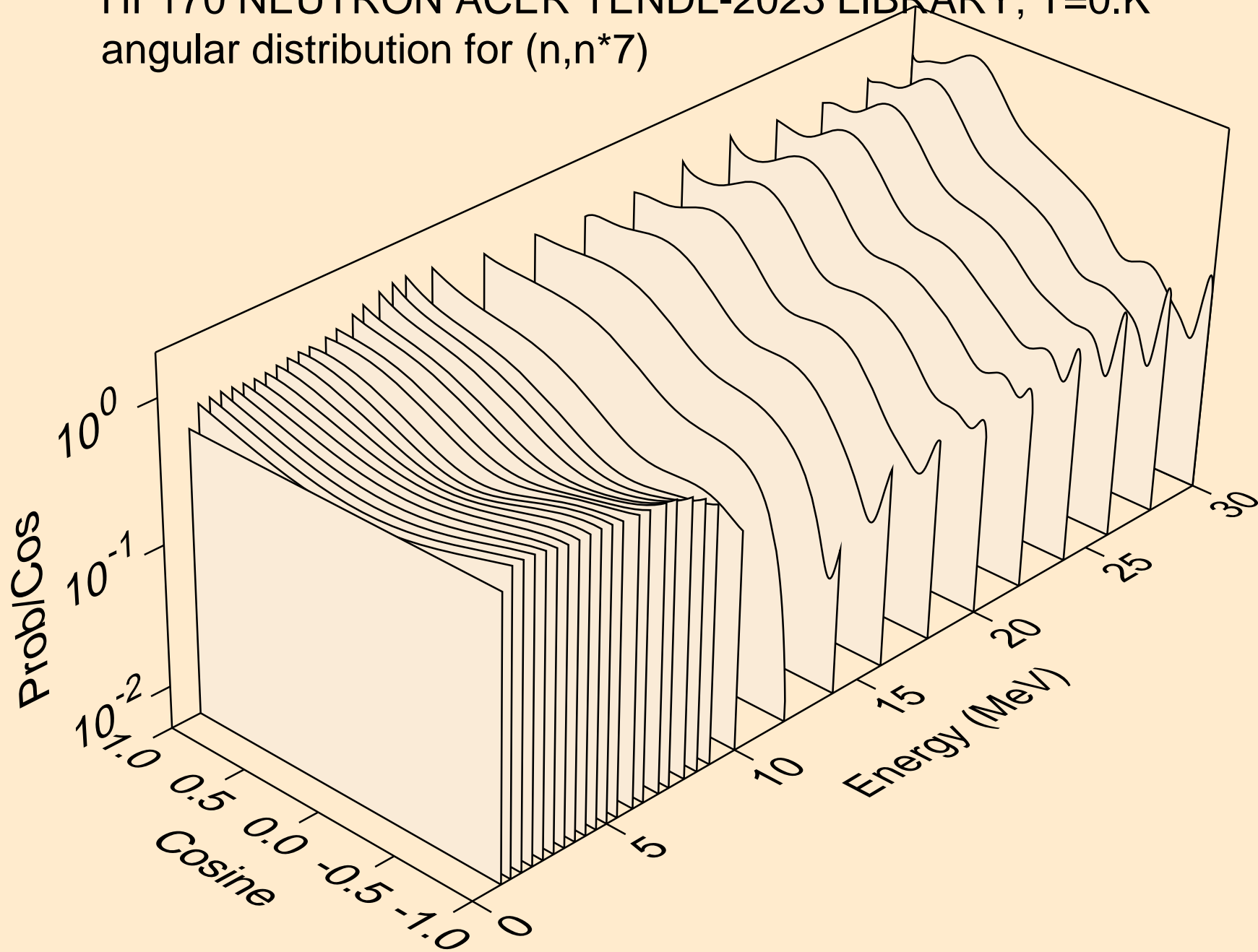
HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*5)



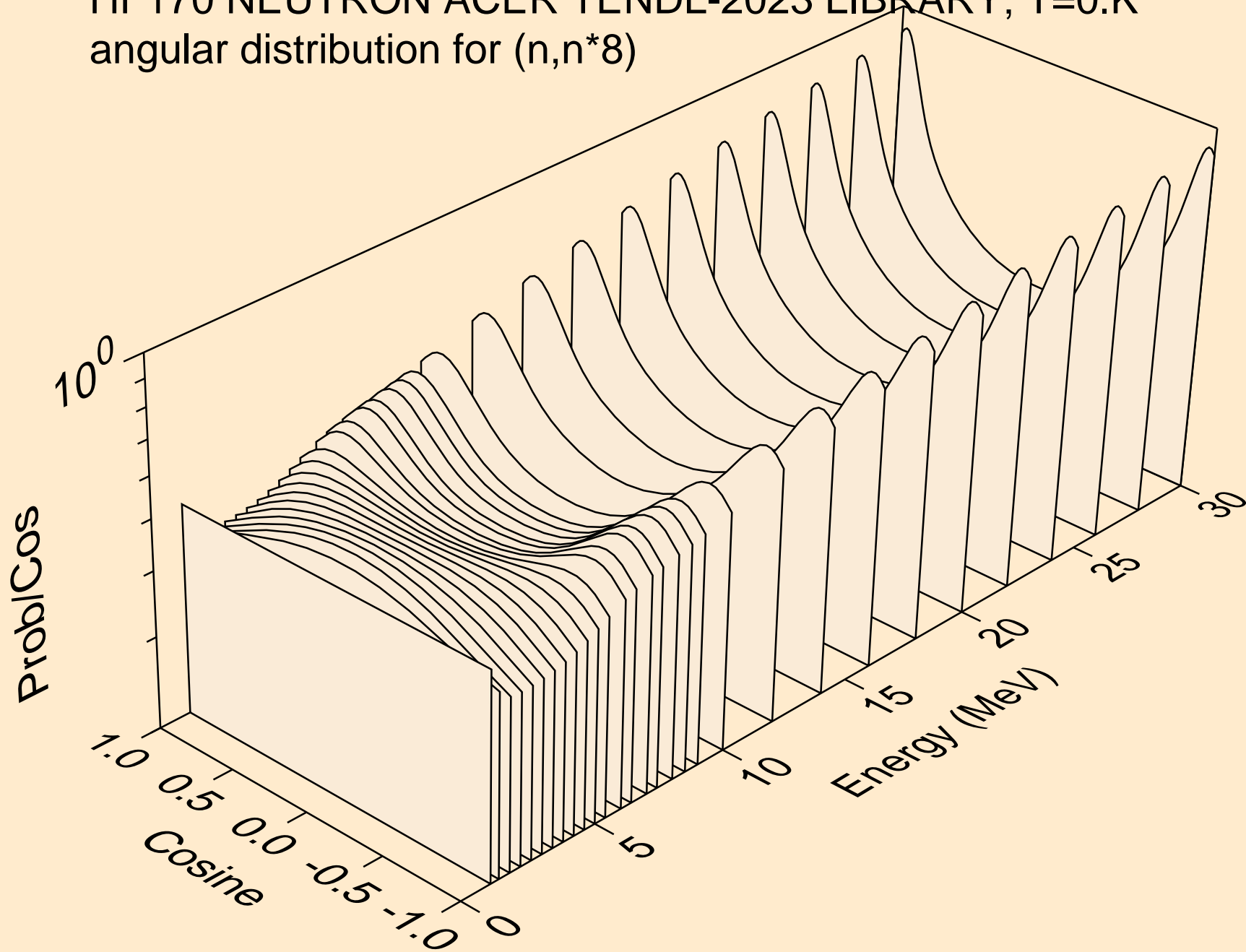
HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*6)



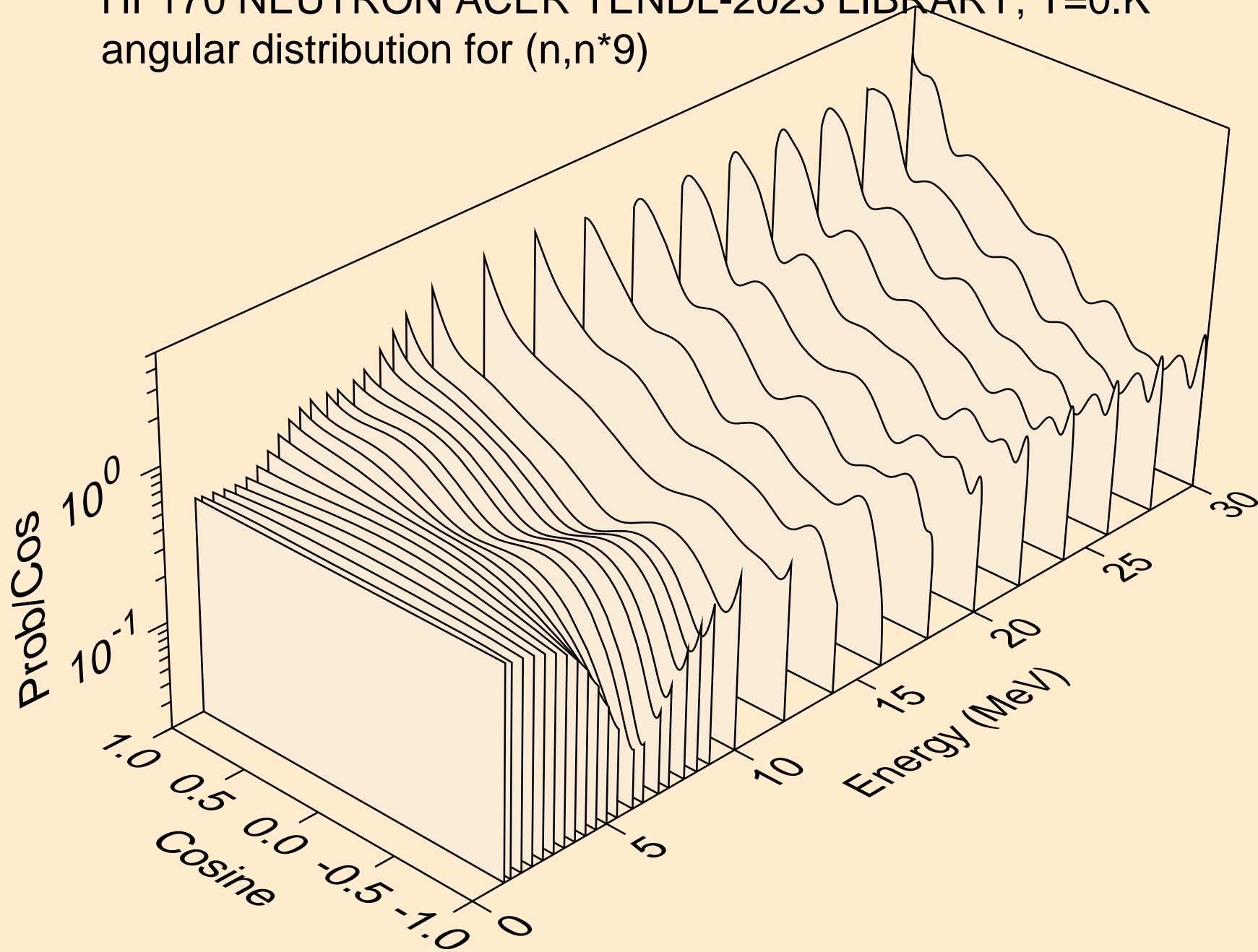
HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*7)



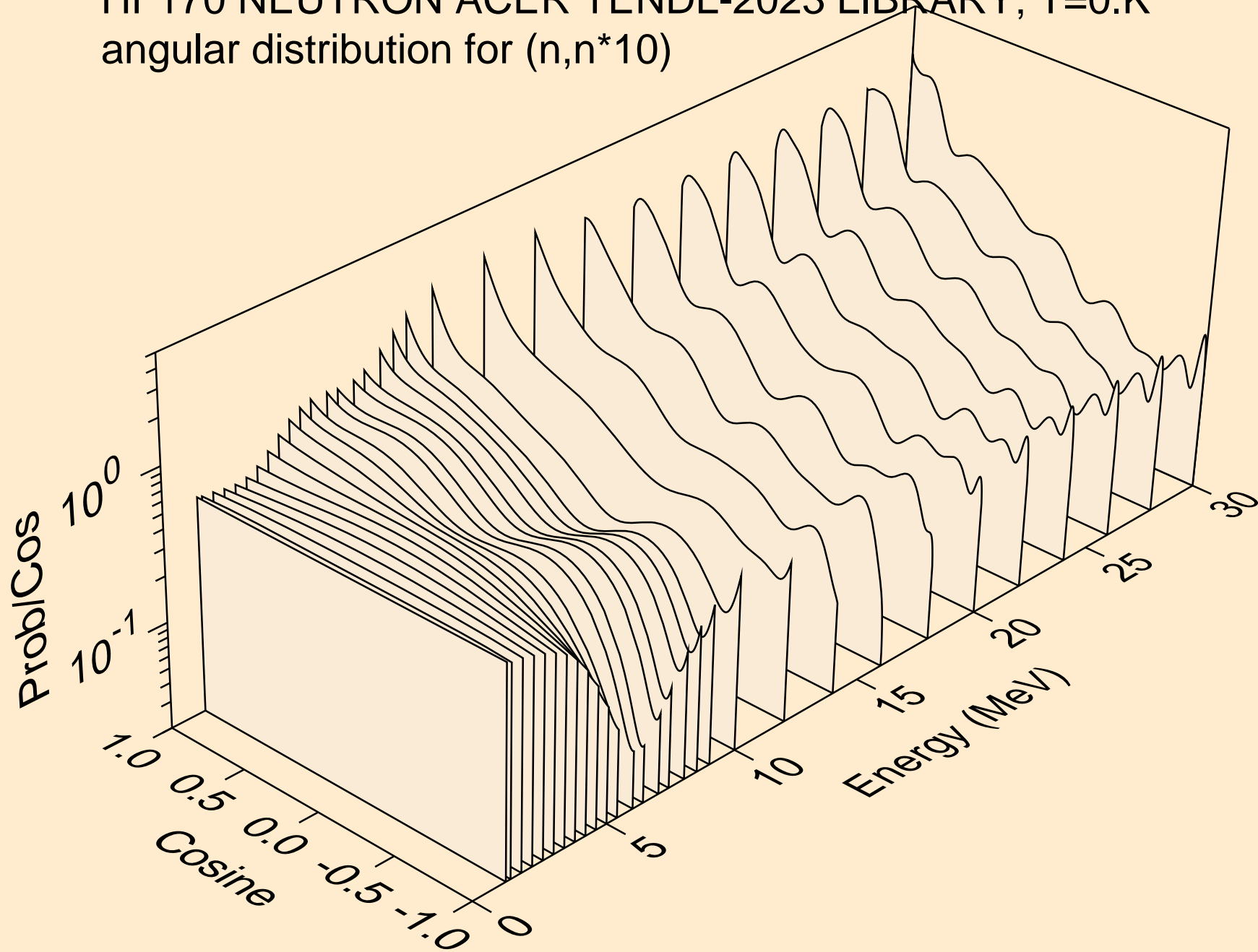
HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*8)



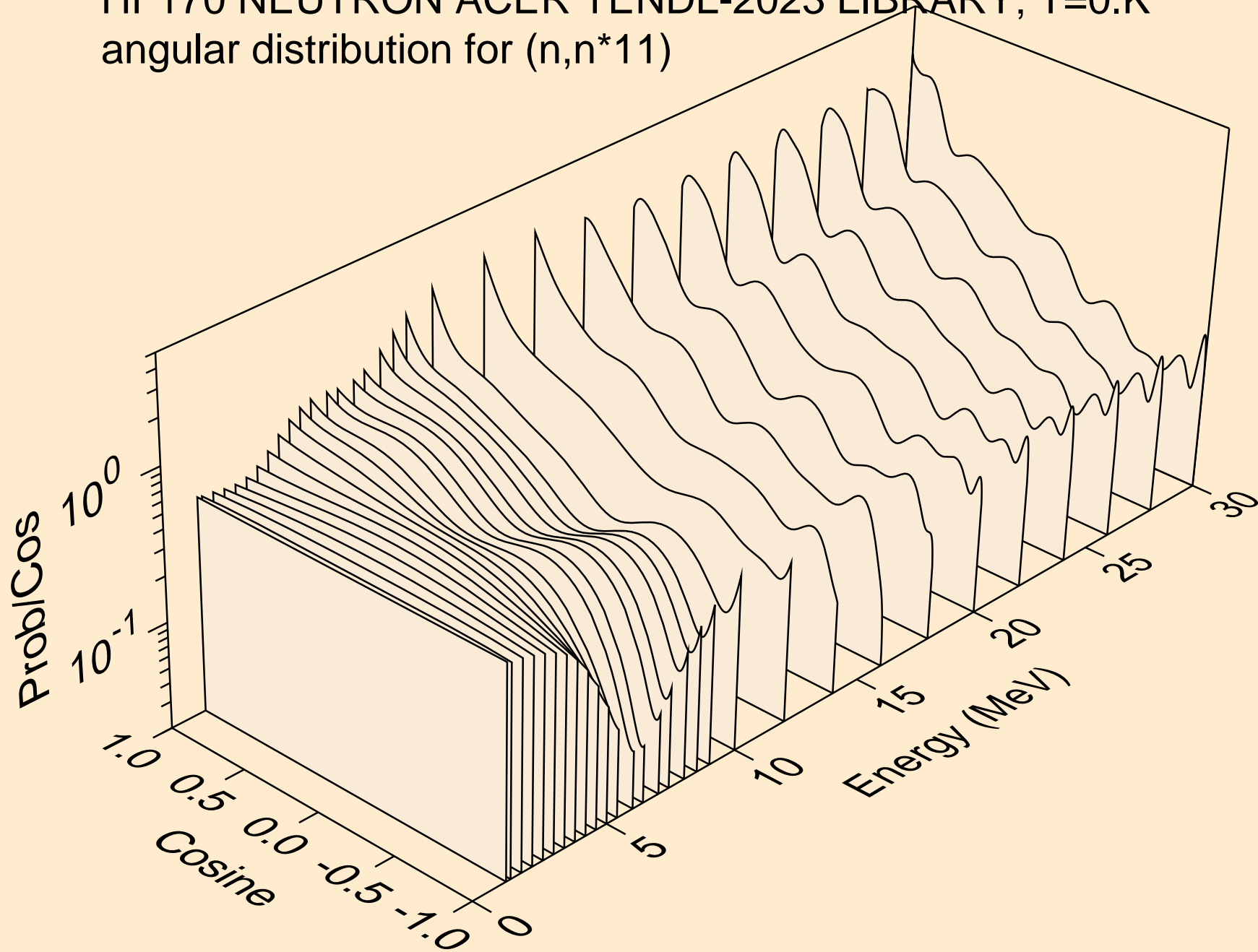
HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*9)



HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*10)

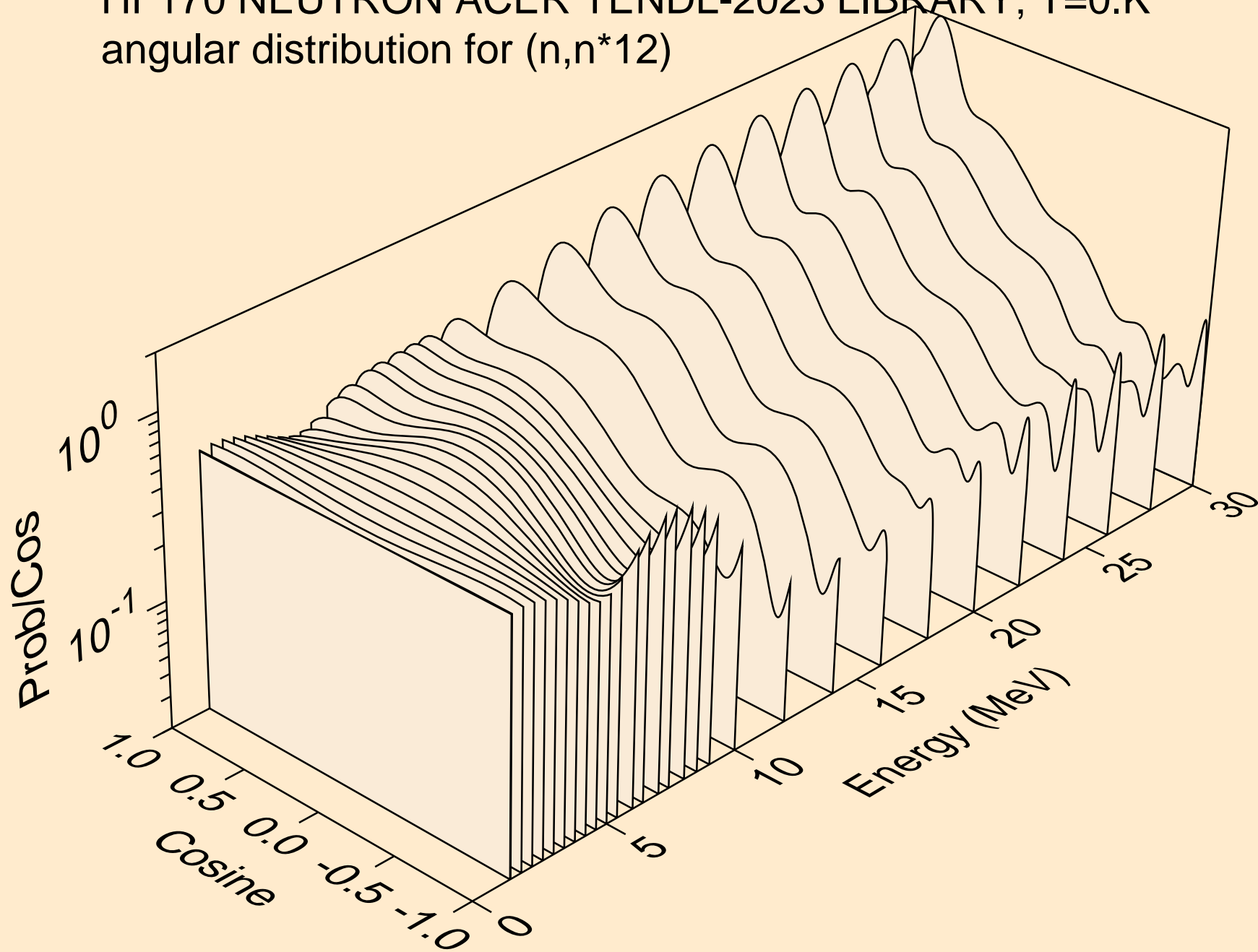


HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*11)

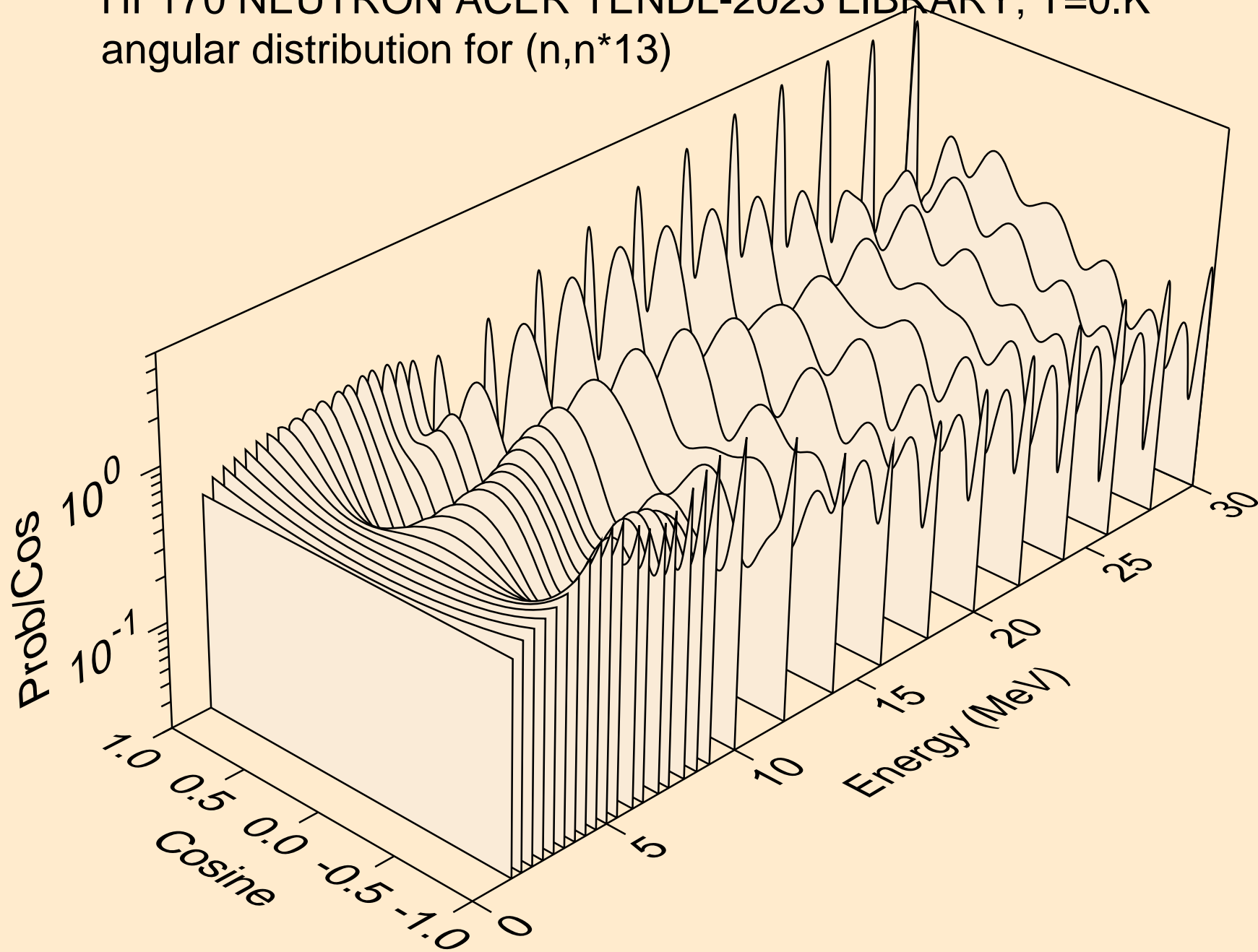




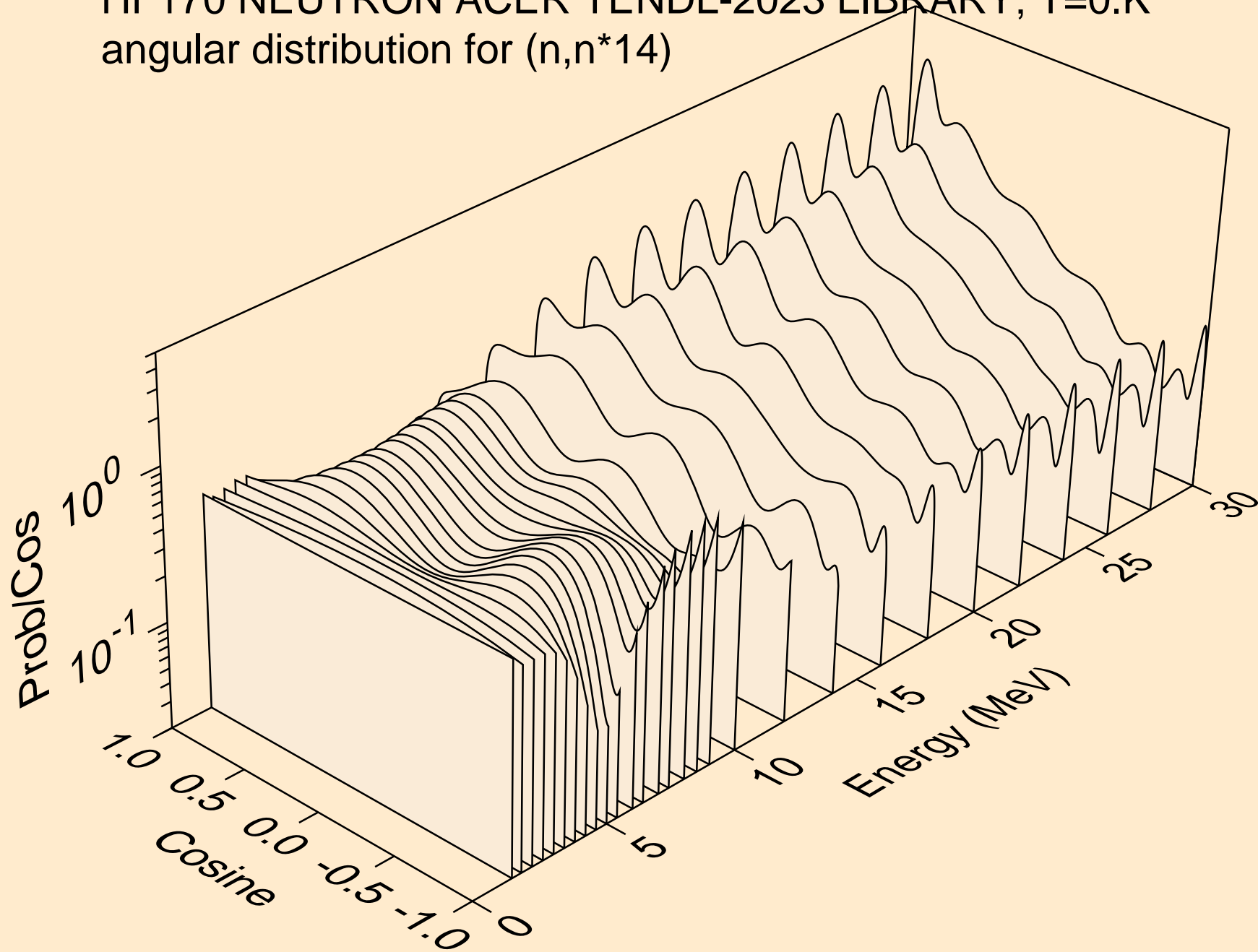
HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*12)



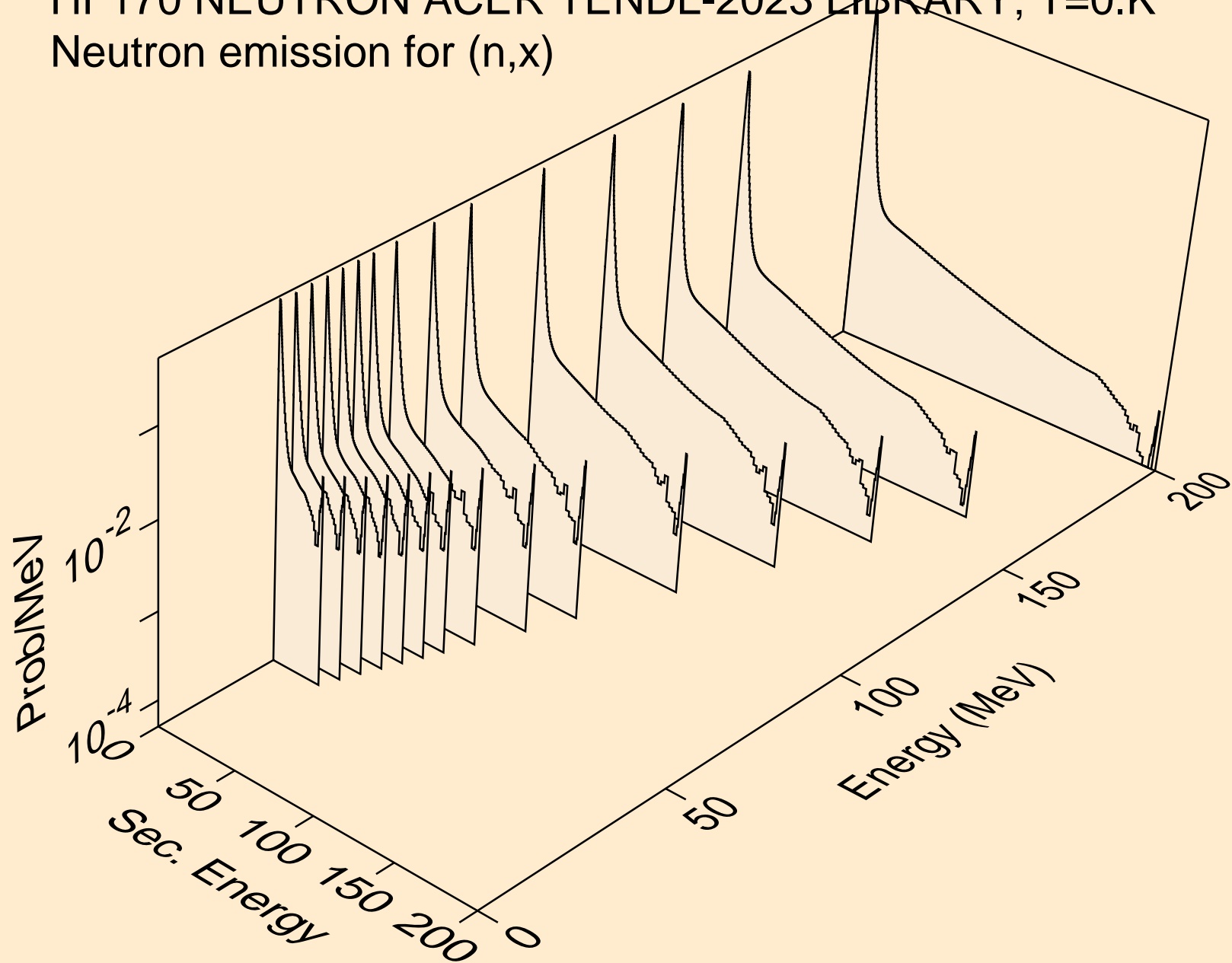
HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*13)



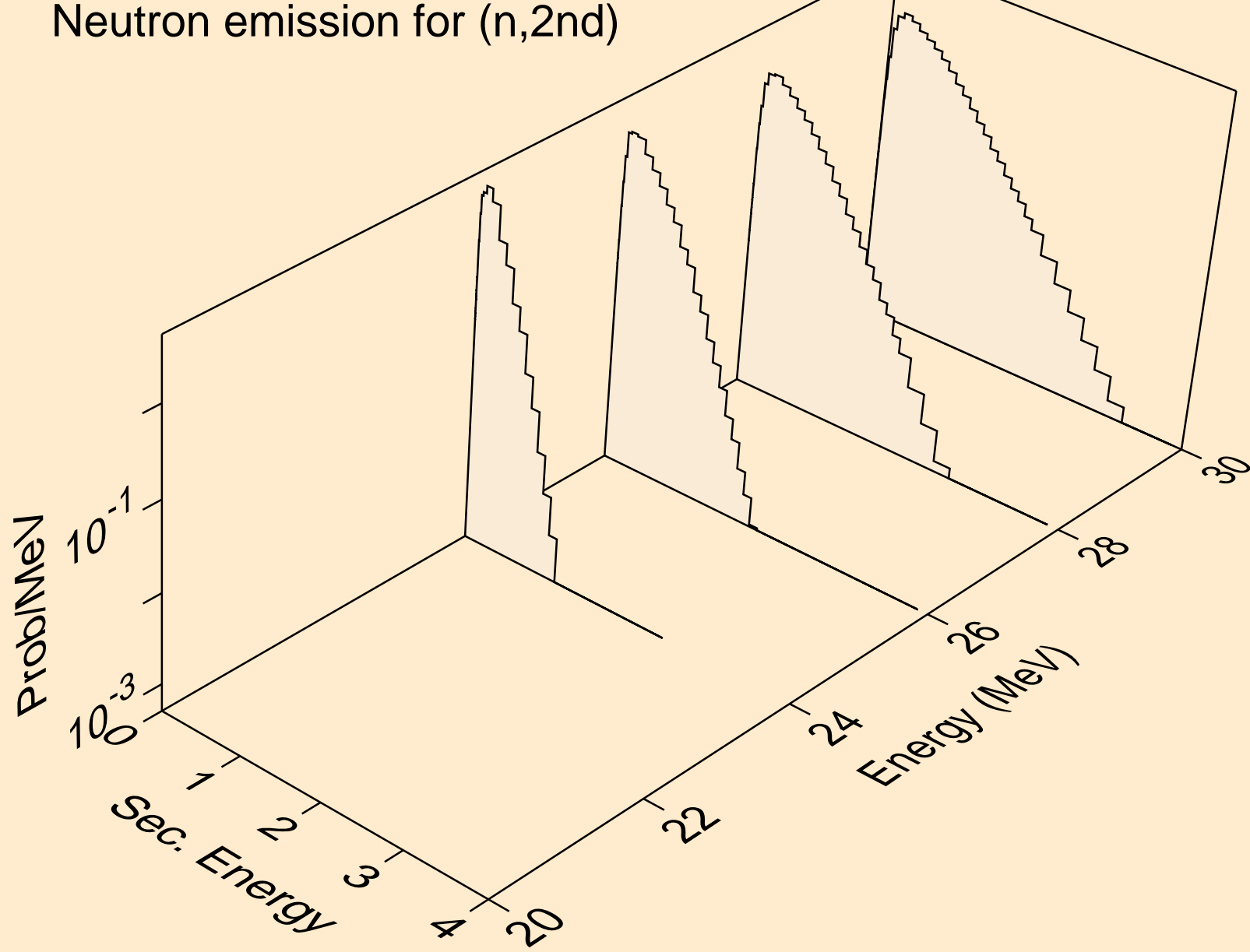
HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*14)



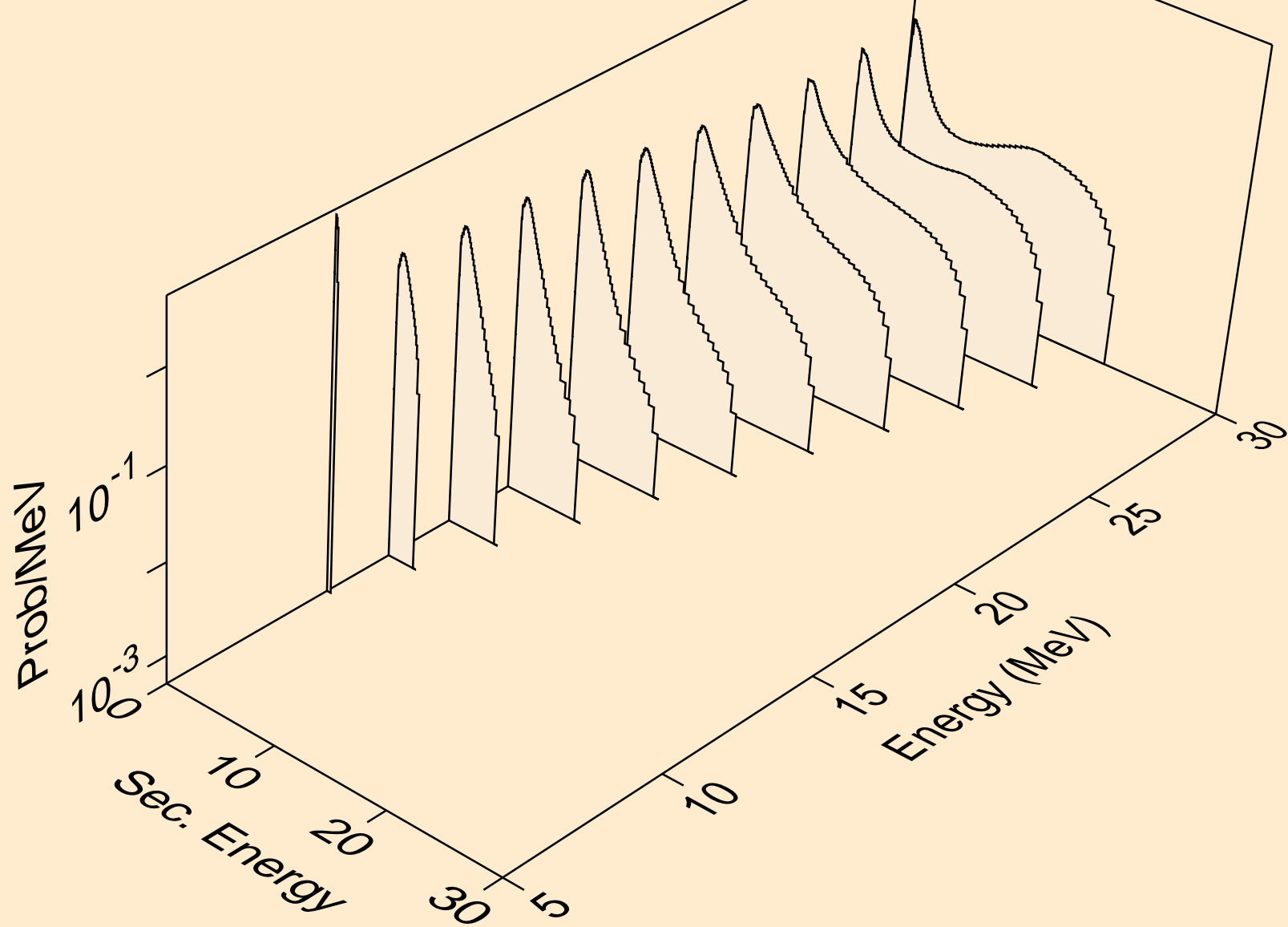
HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,x)



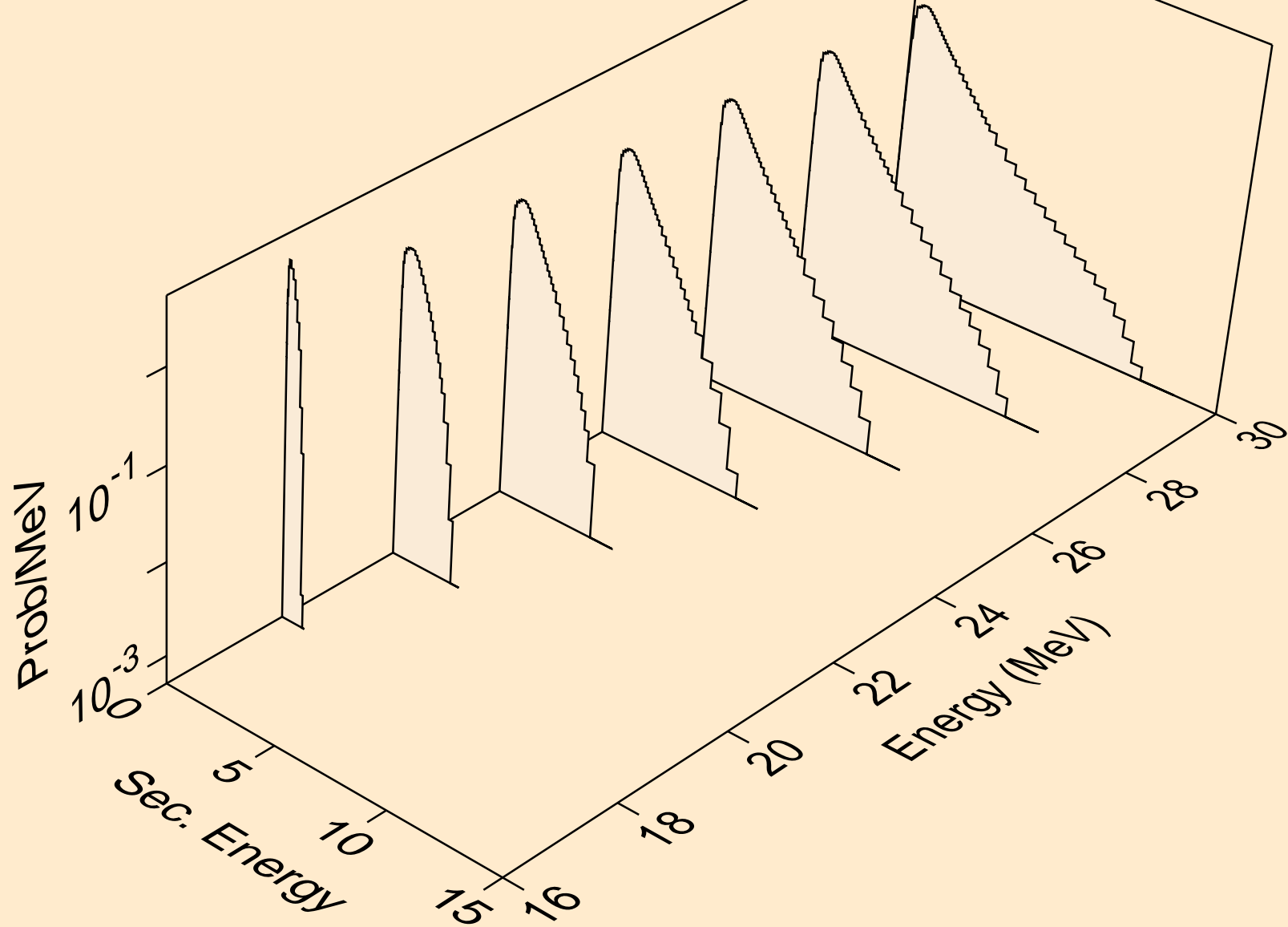
HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



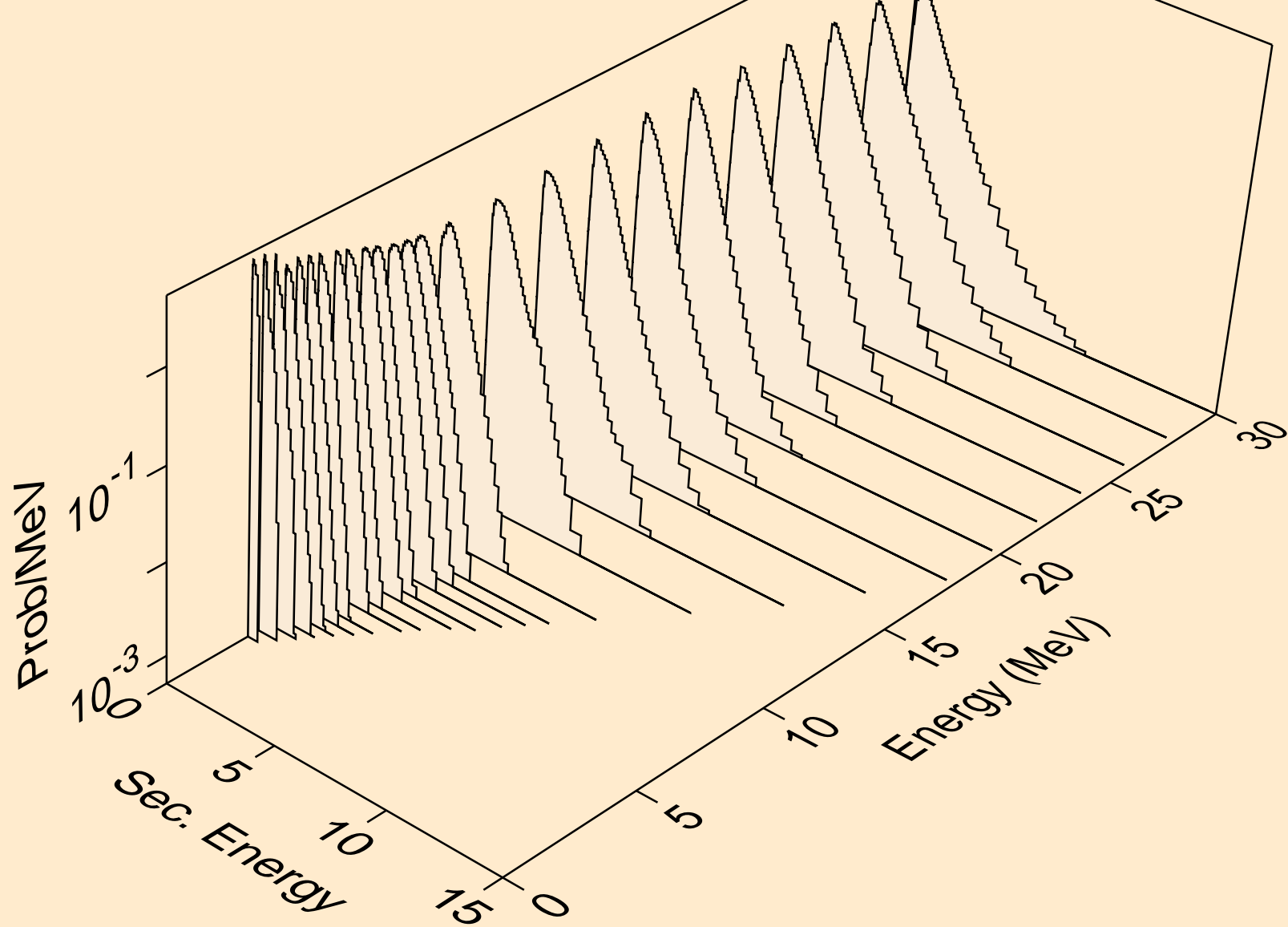
HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)



HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)

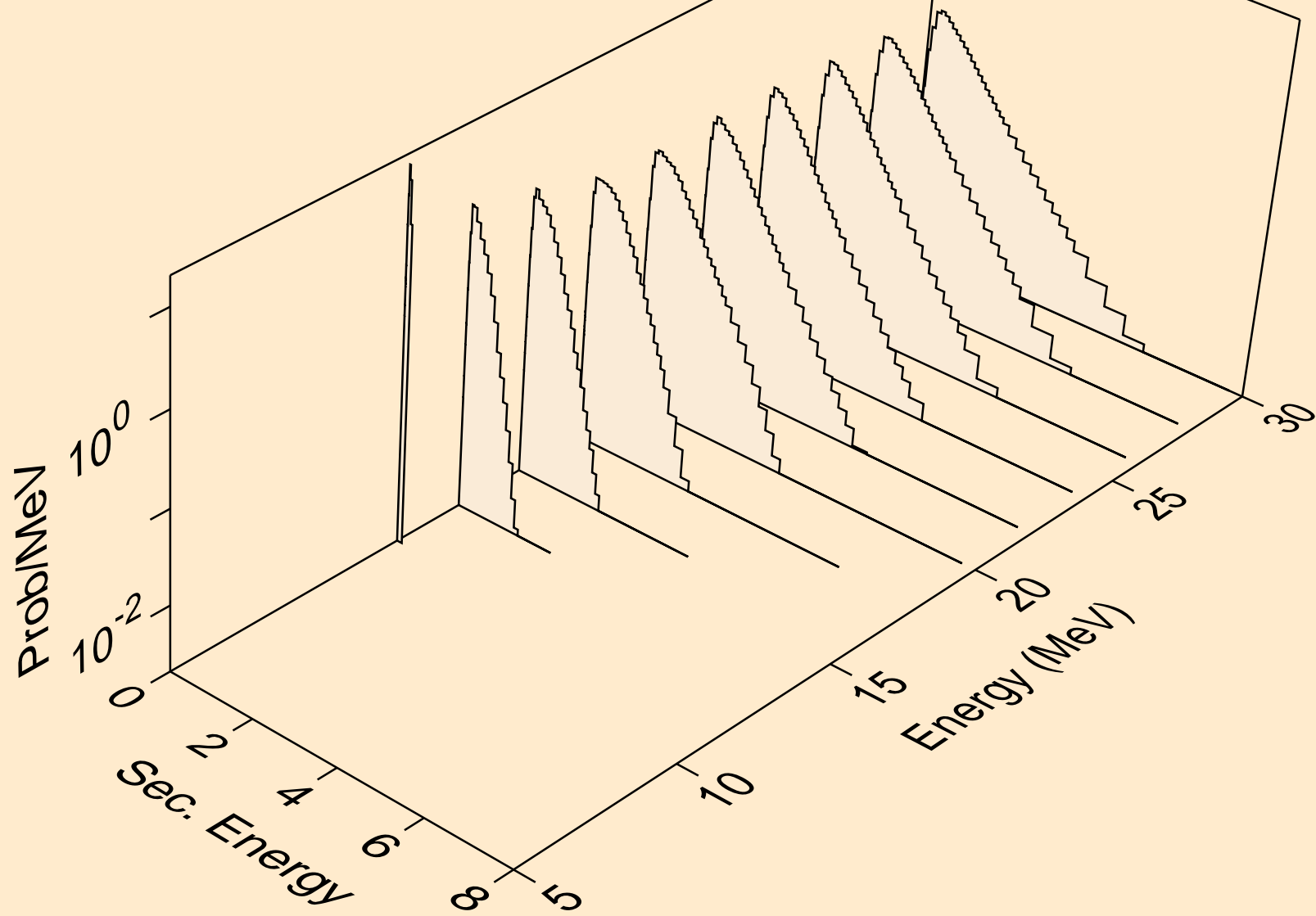


HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a

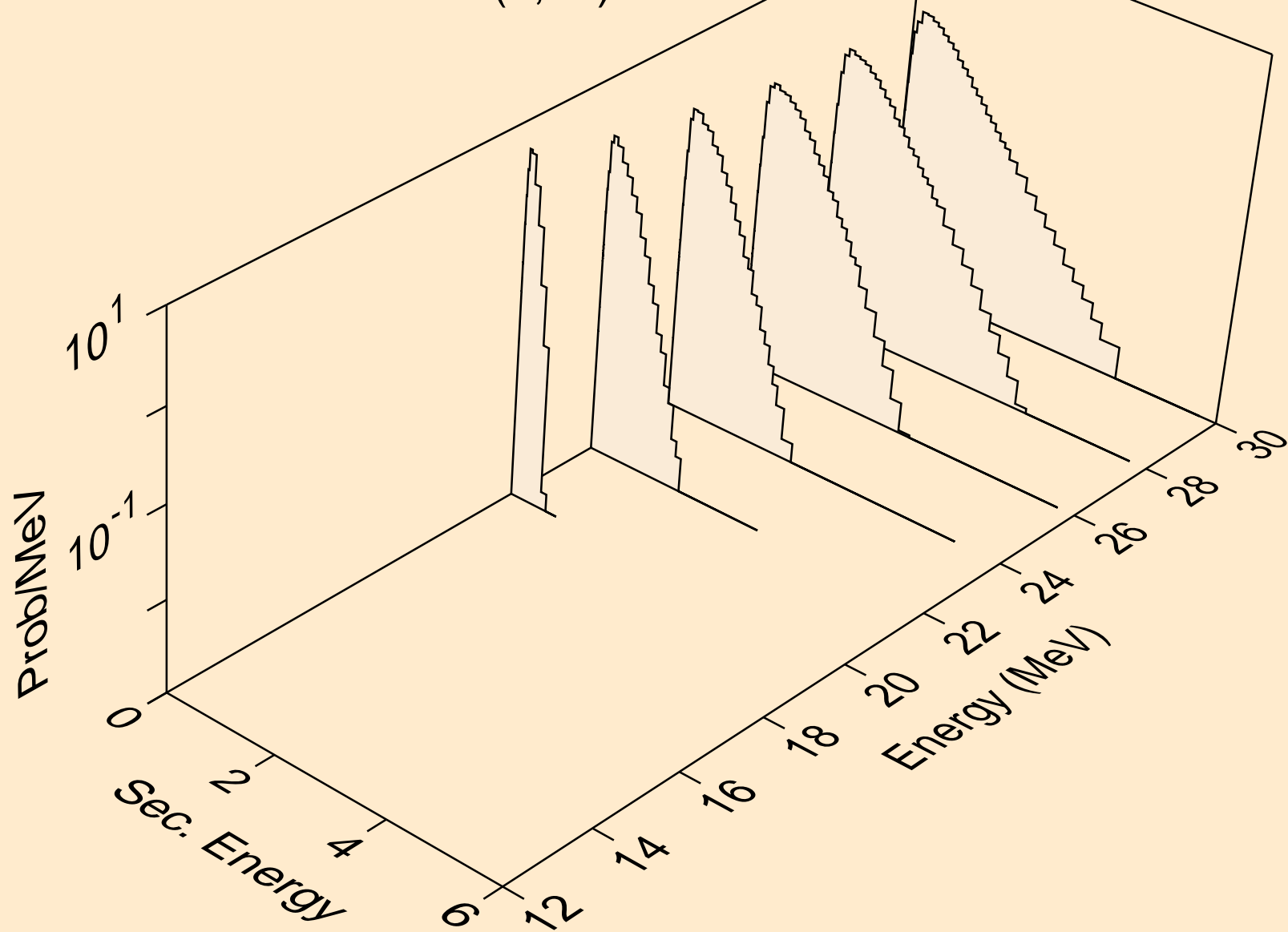




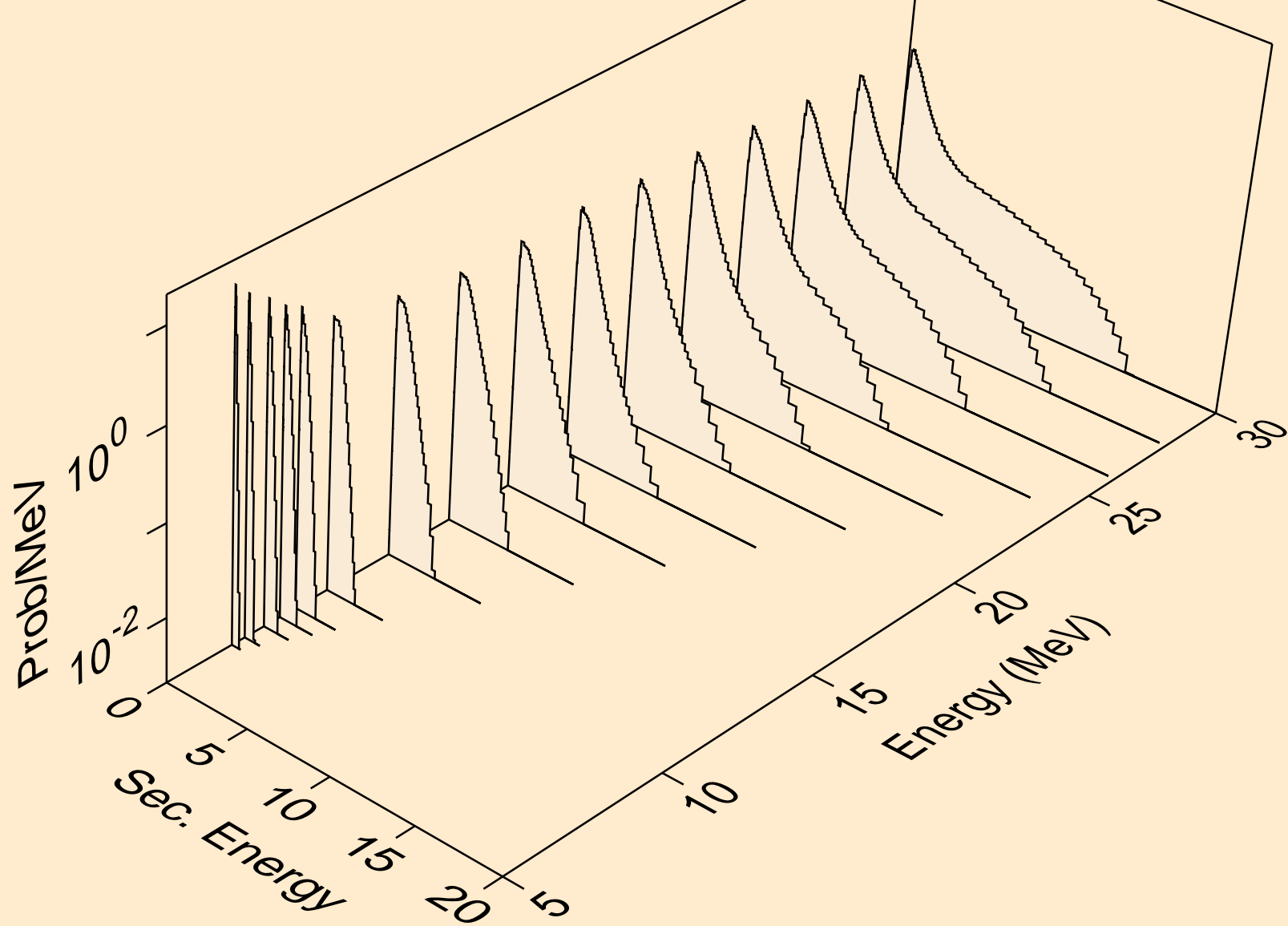
HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)a



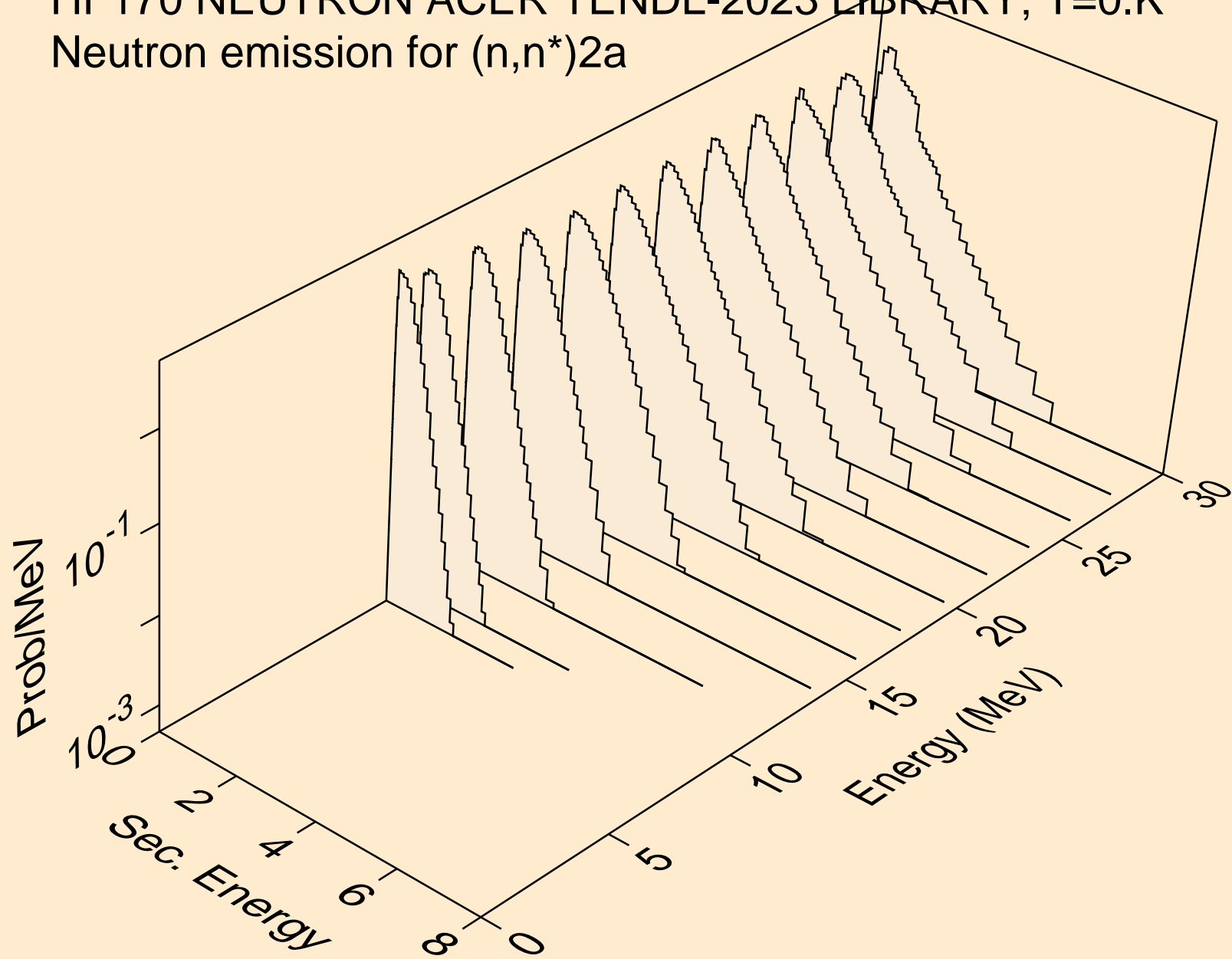
HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)a



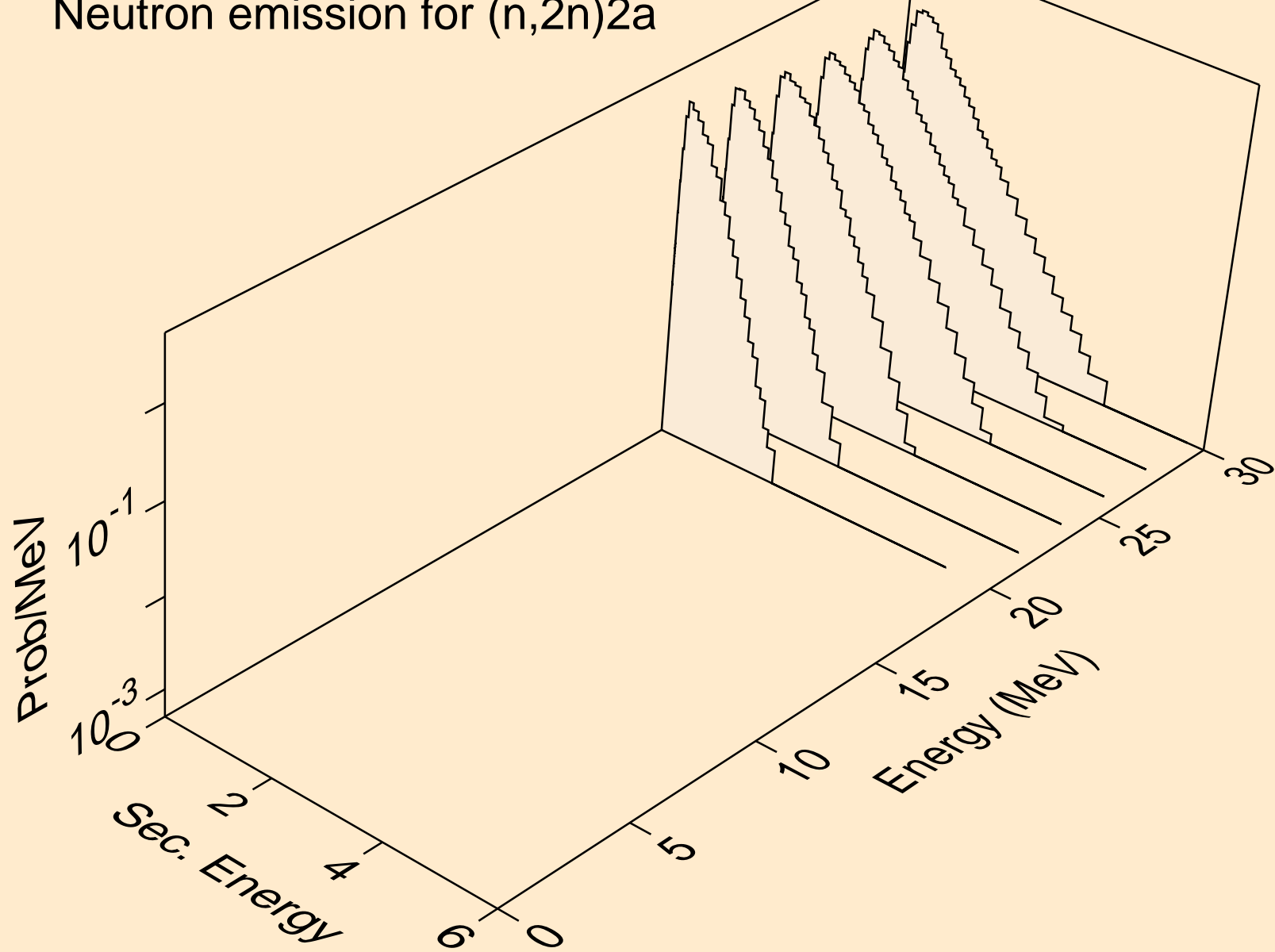
HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



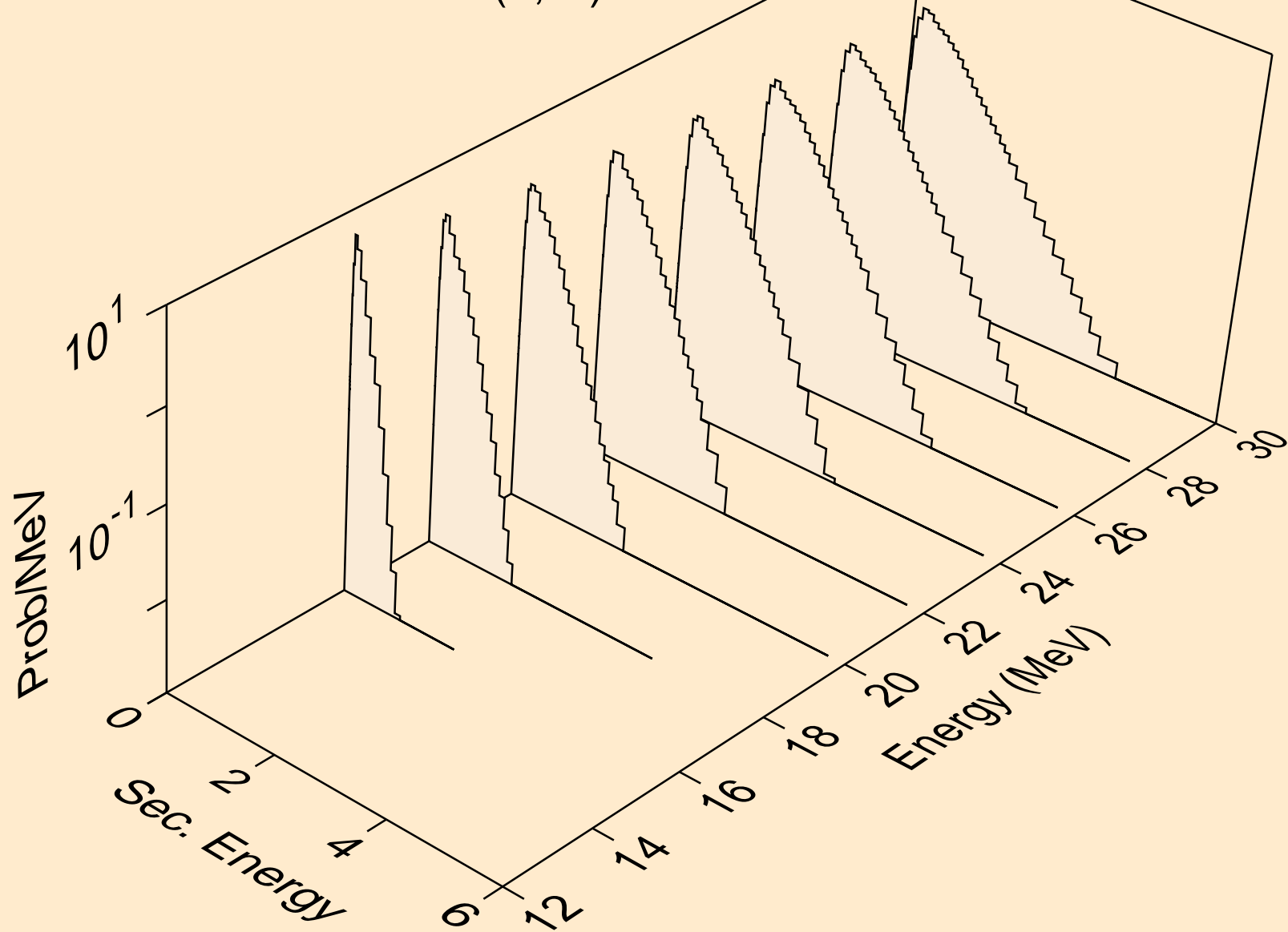
HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)2a



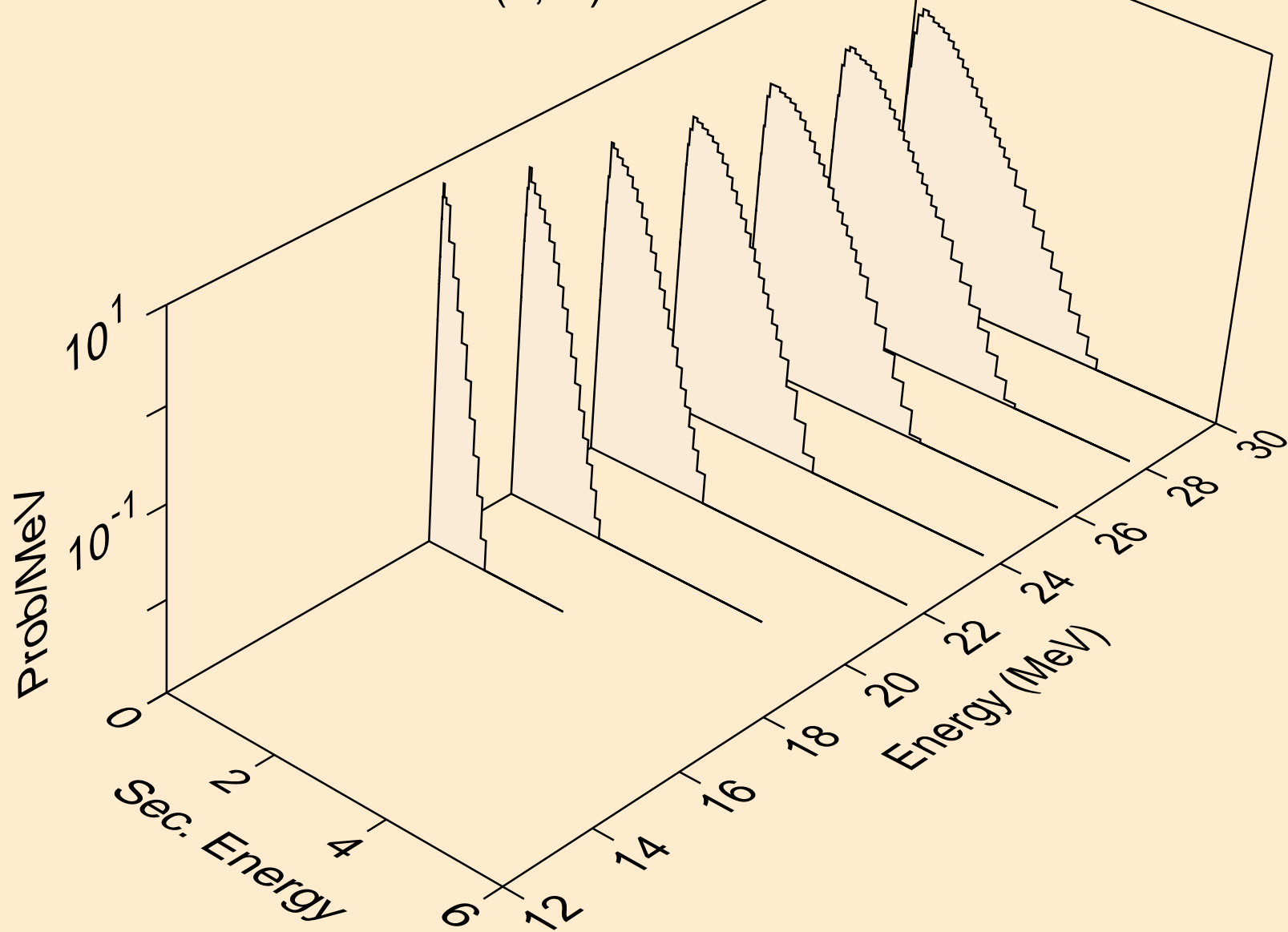
HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)2a



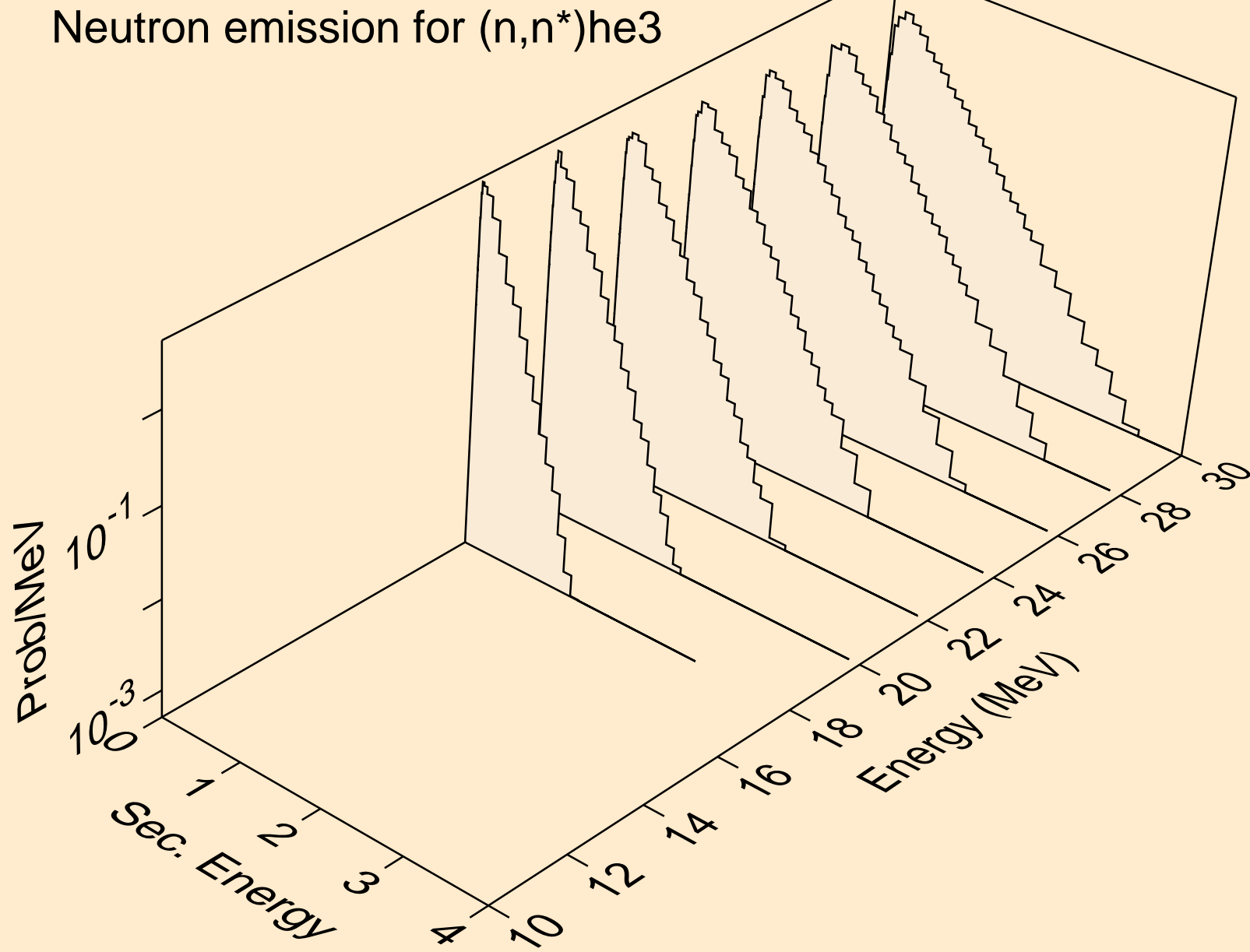
HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d



HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t

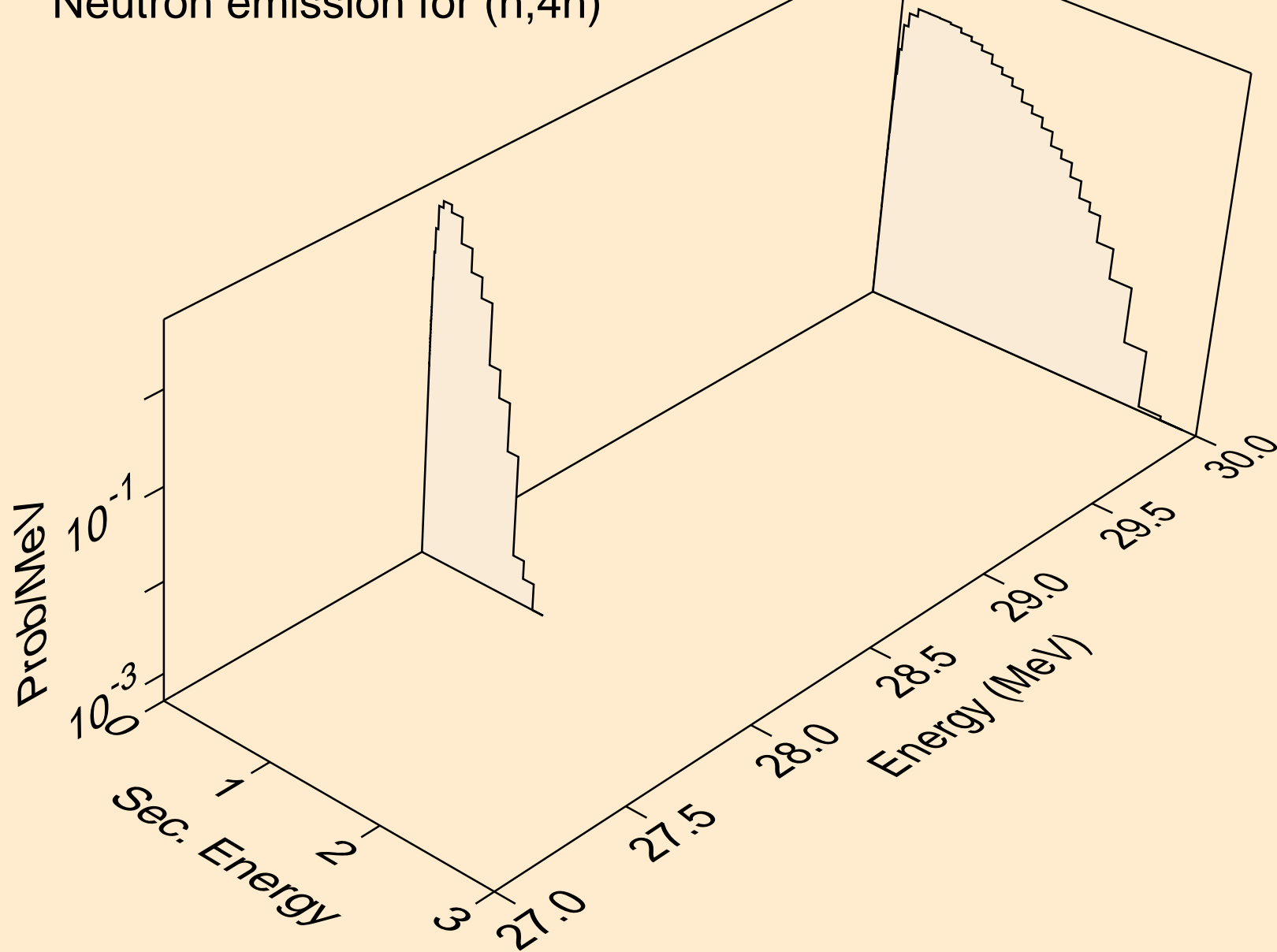


HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3

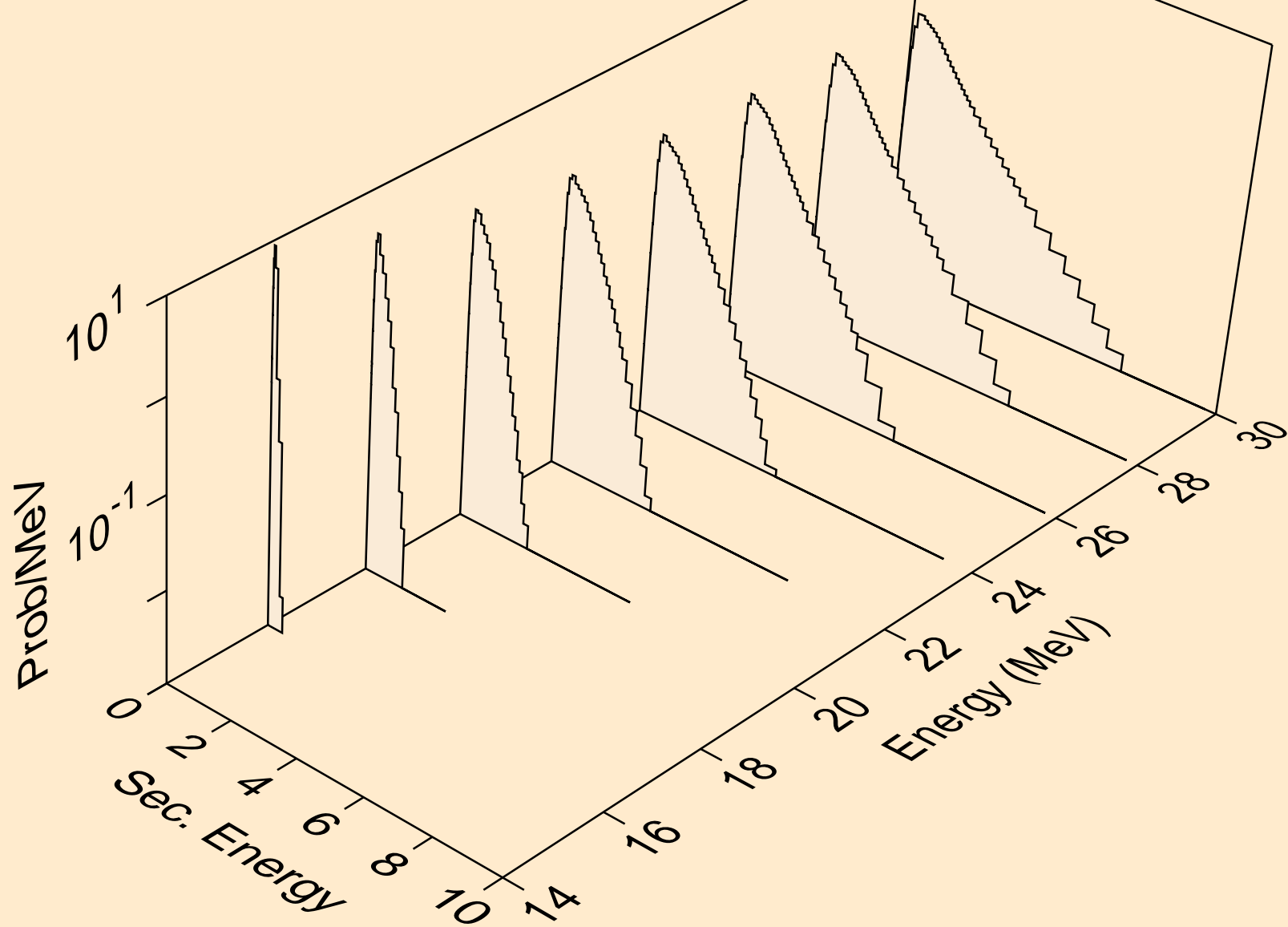




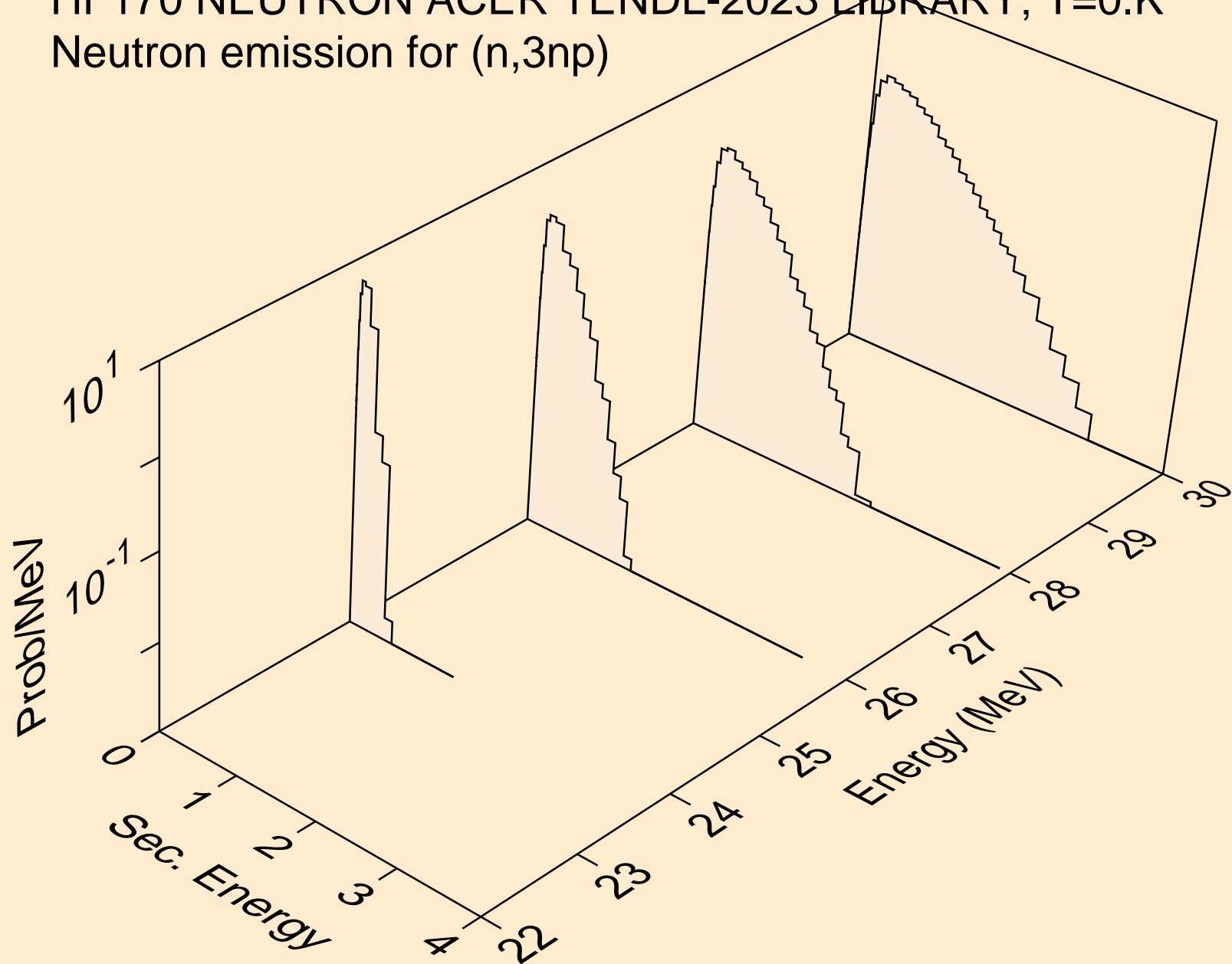
HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,4n)



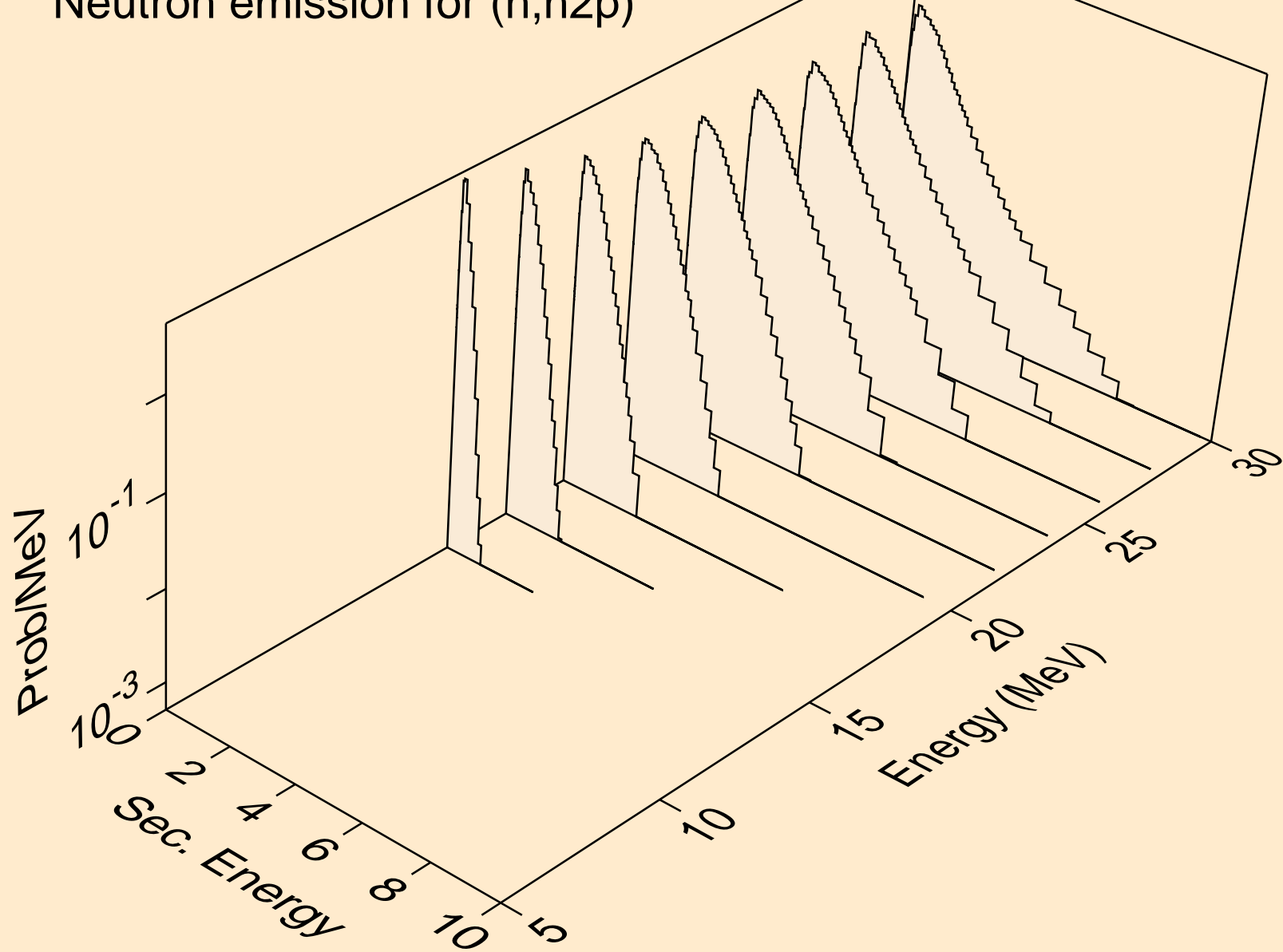
HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2np)



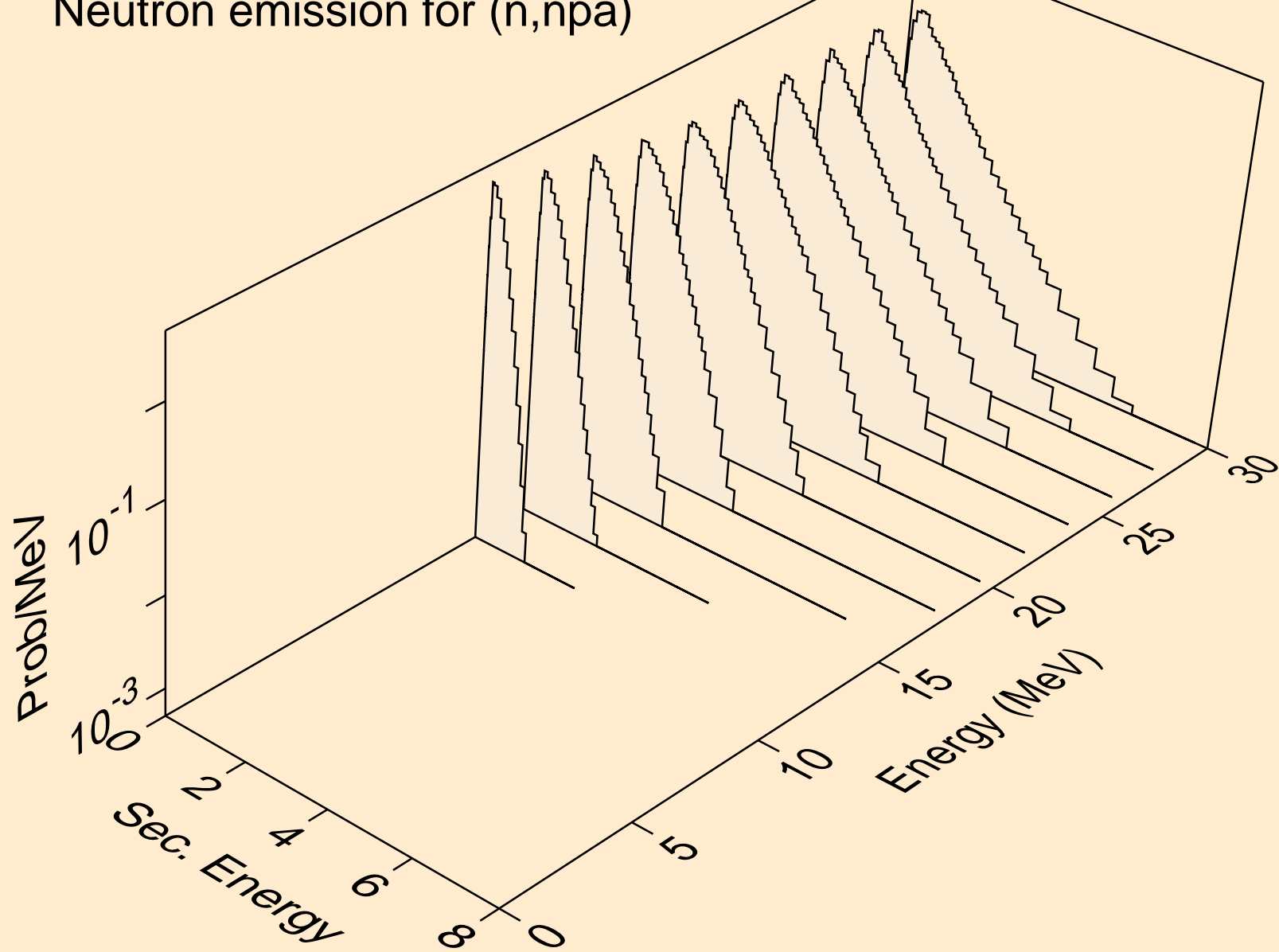
HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3np)



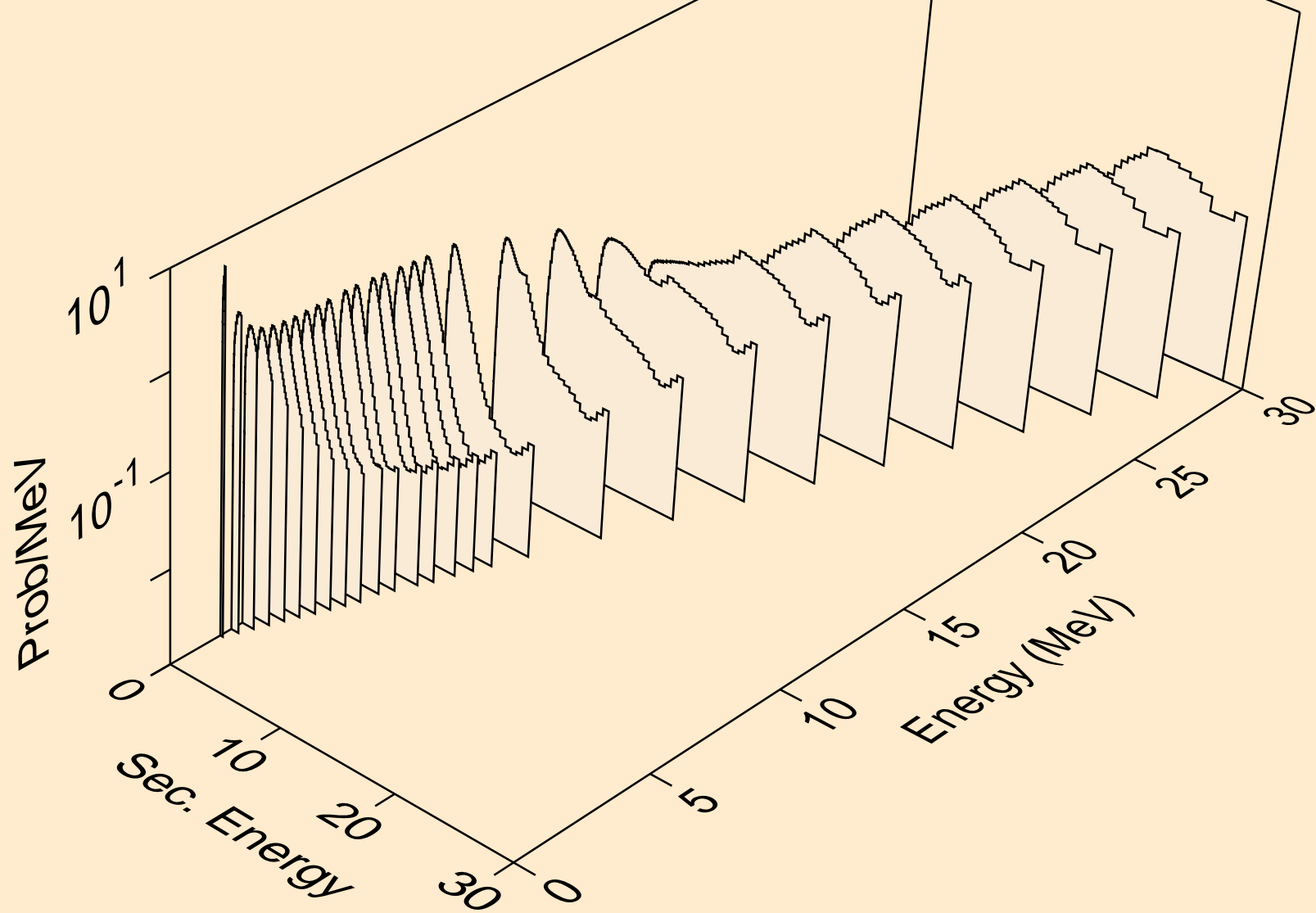
HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n2p)



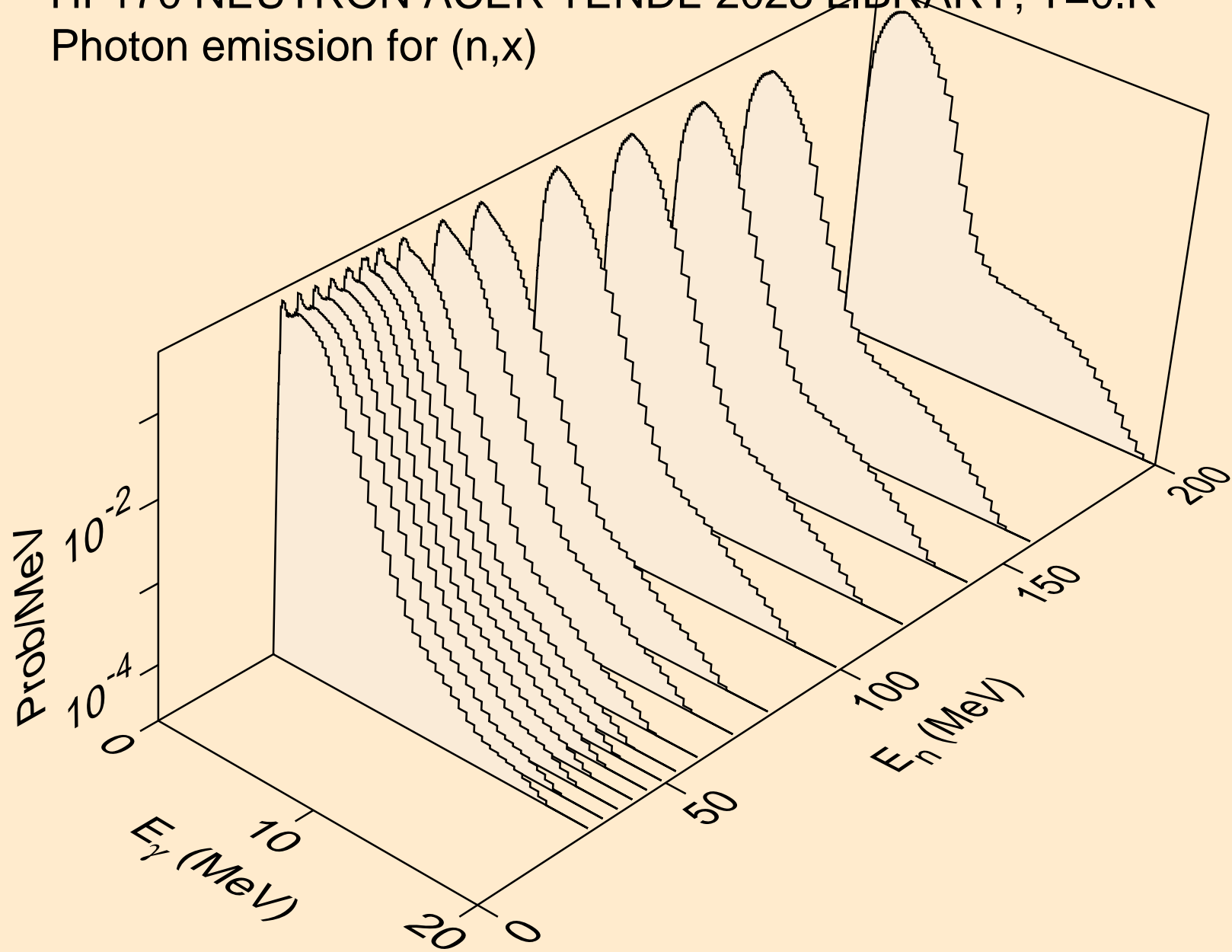
HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,npa)



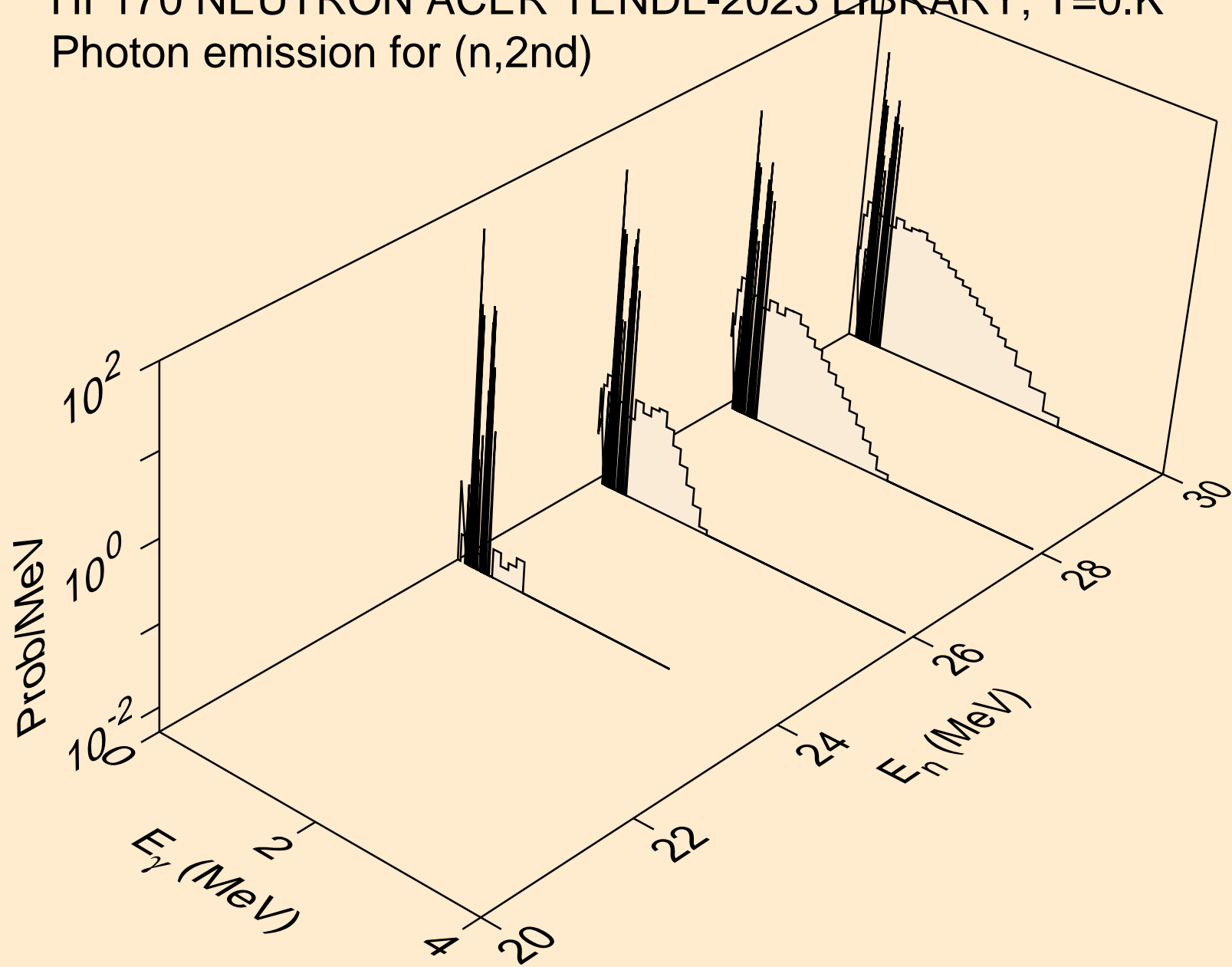
HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)



HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,x)

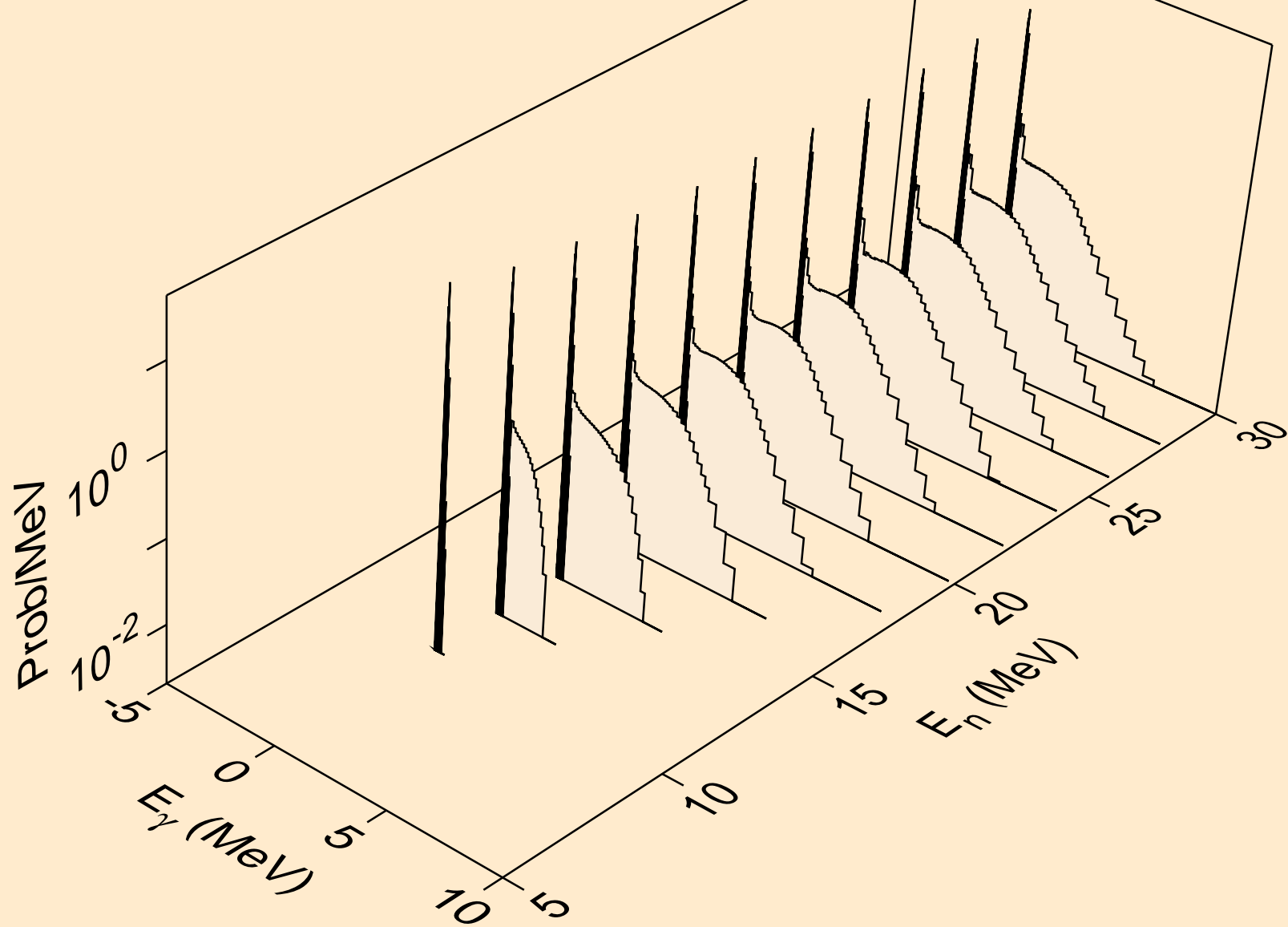


HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)

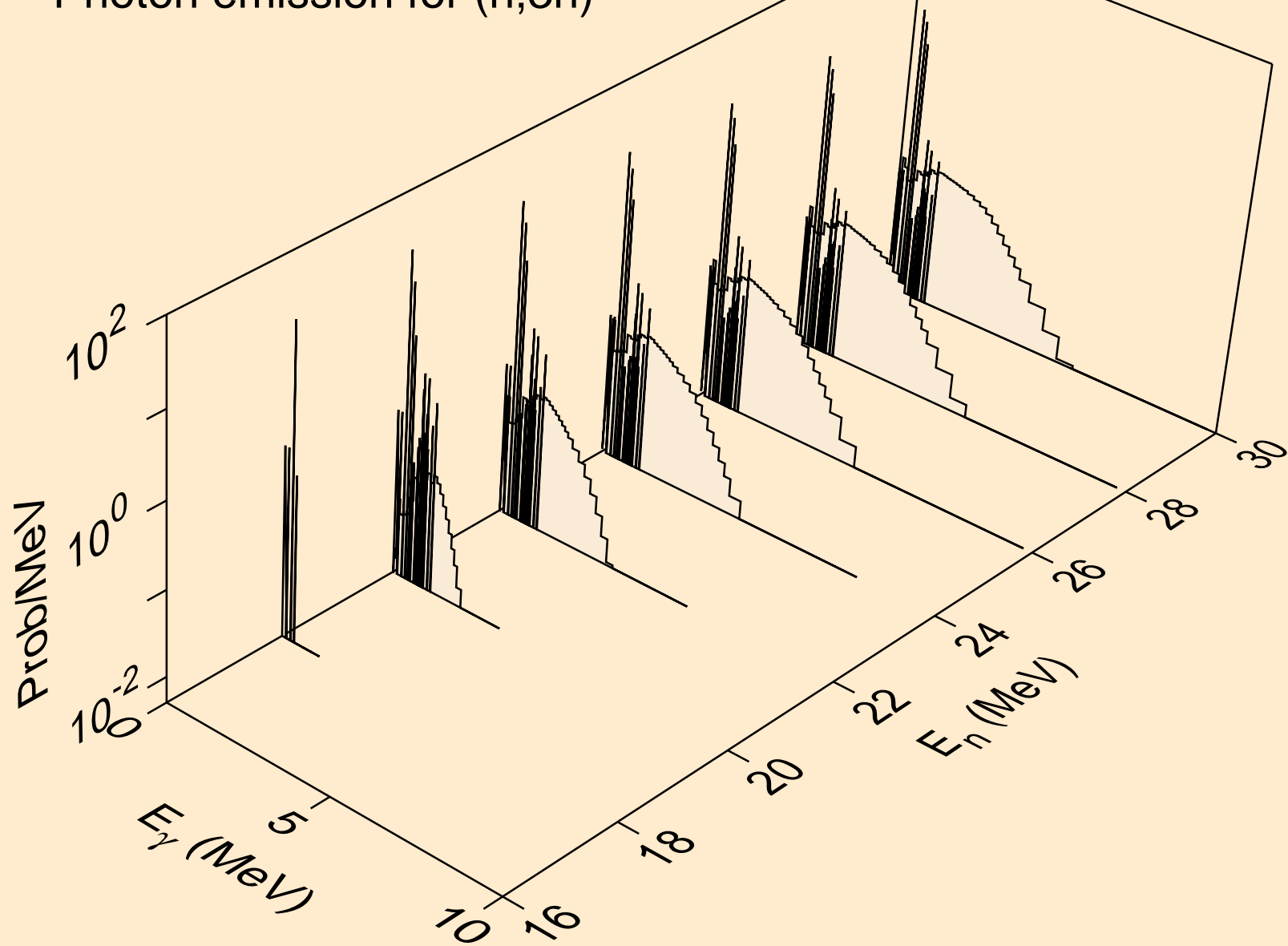




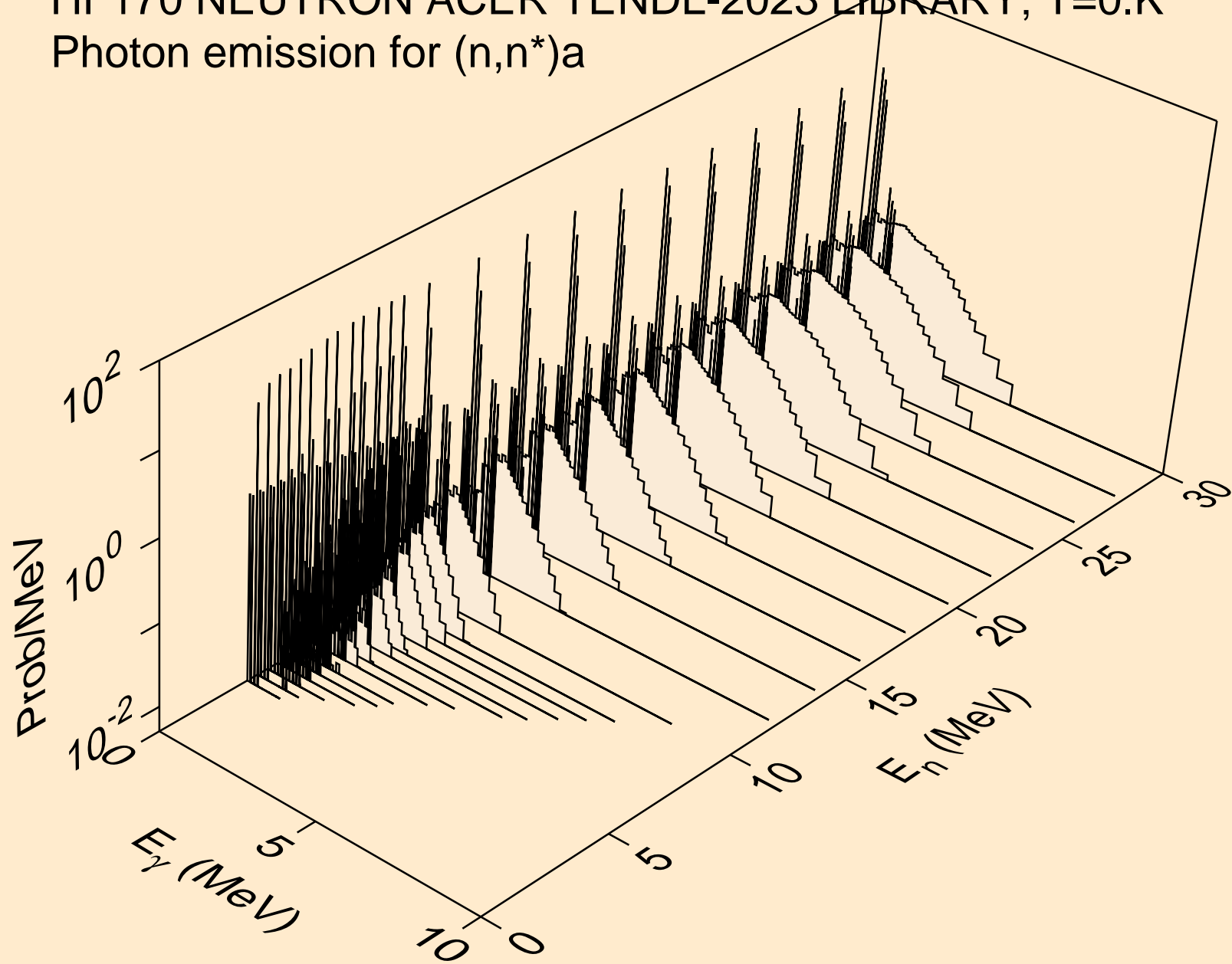
HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



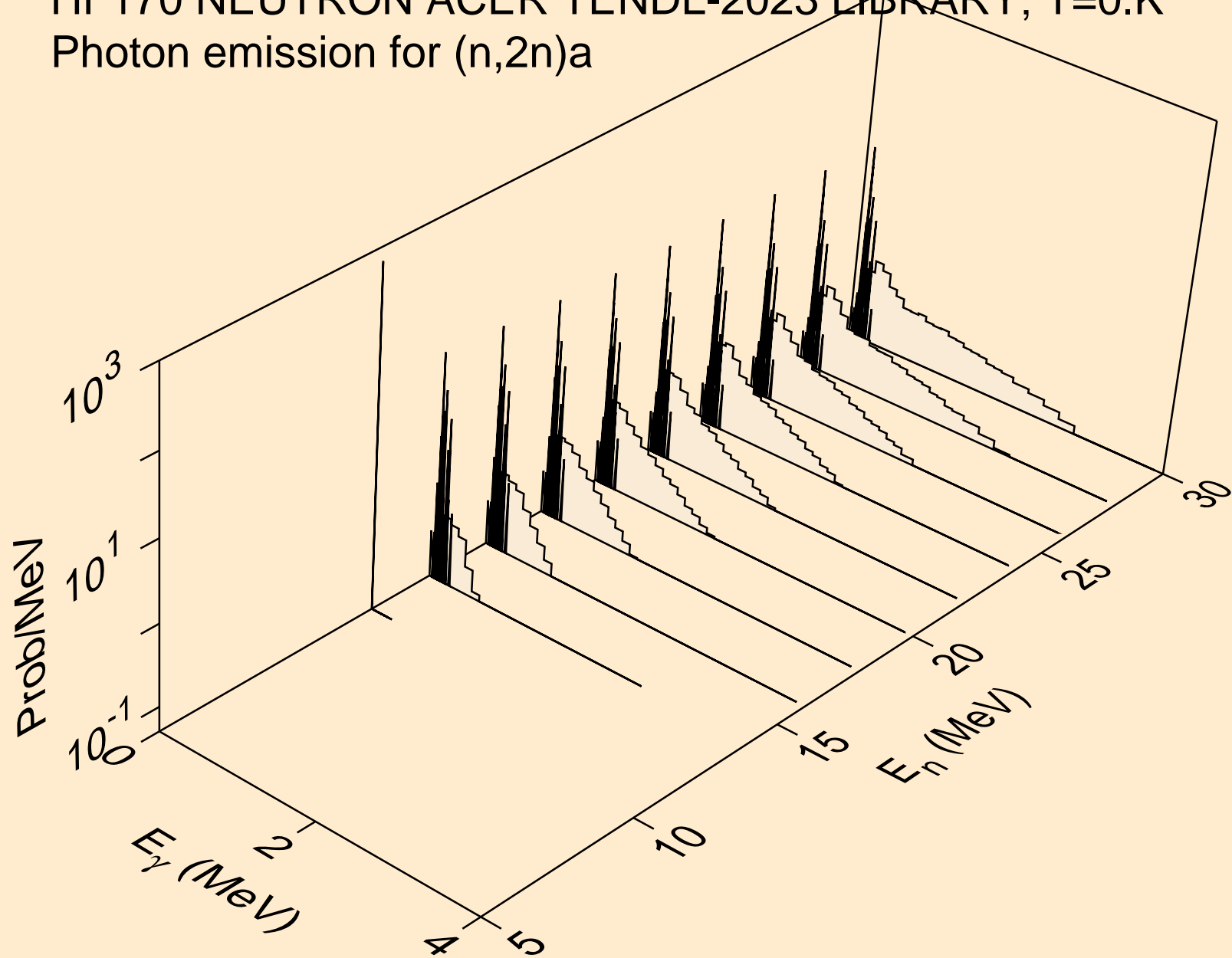
HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



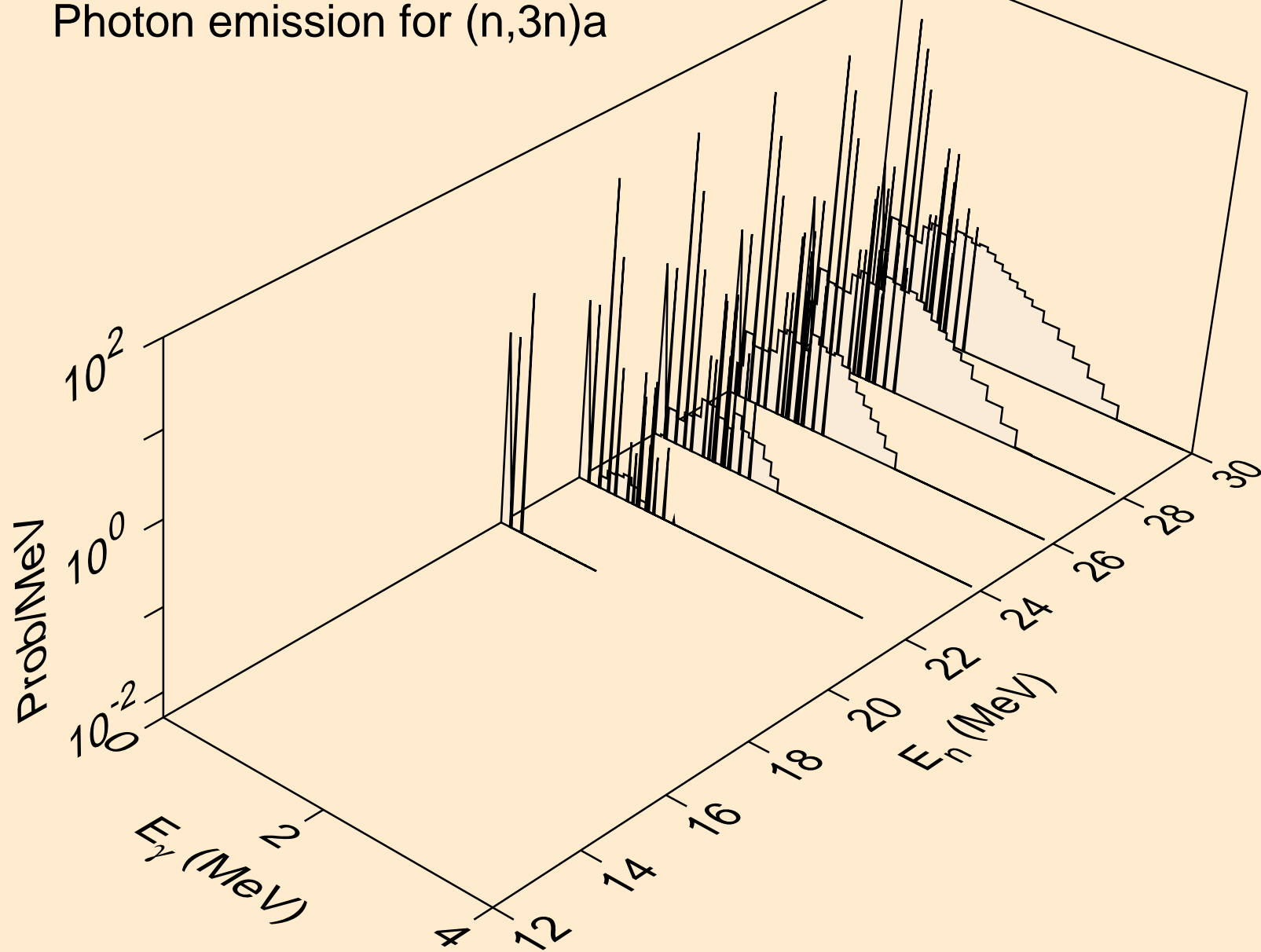
HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



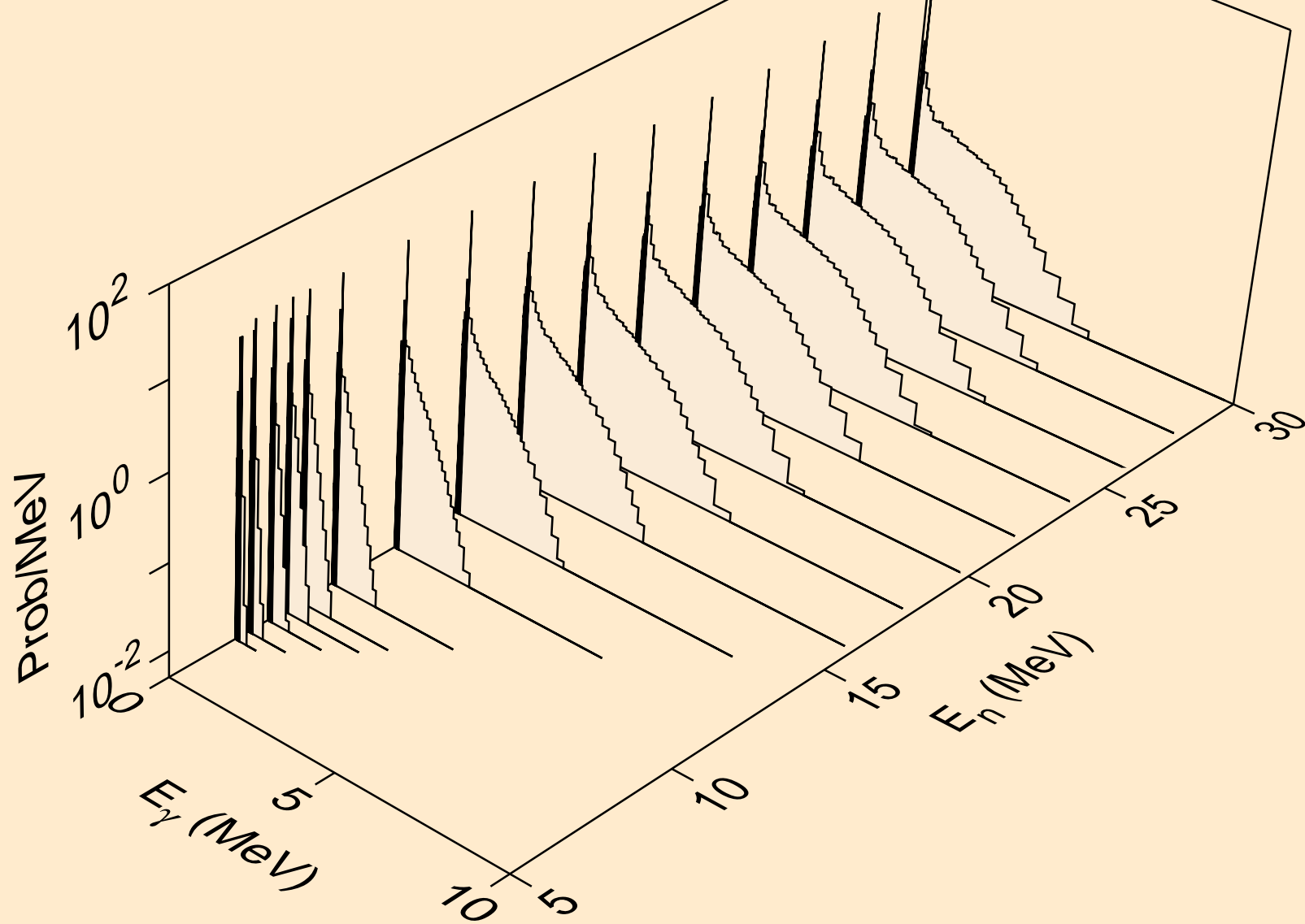
HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a



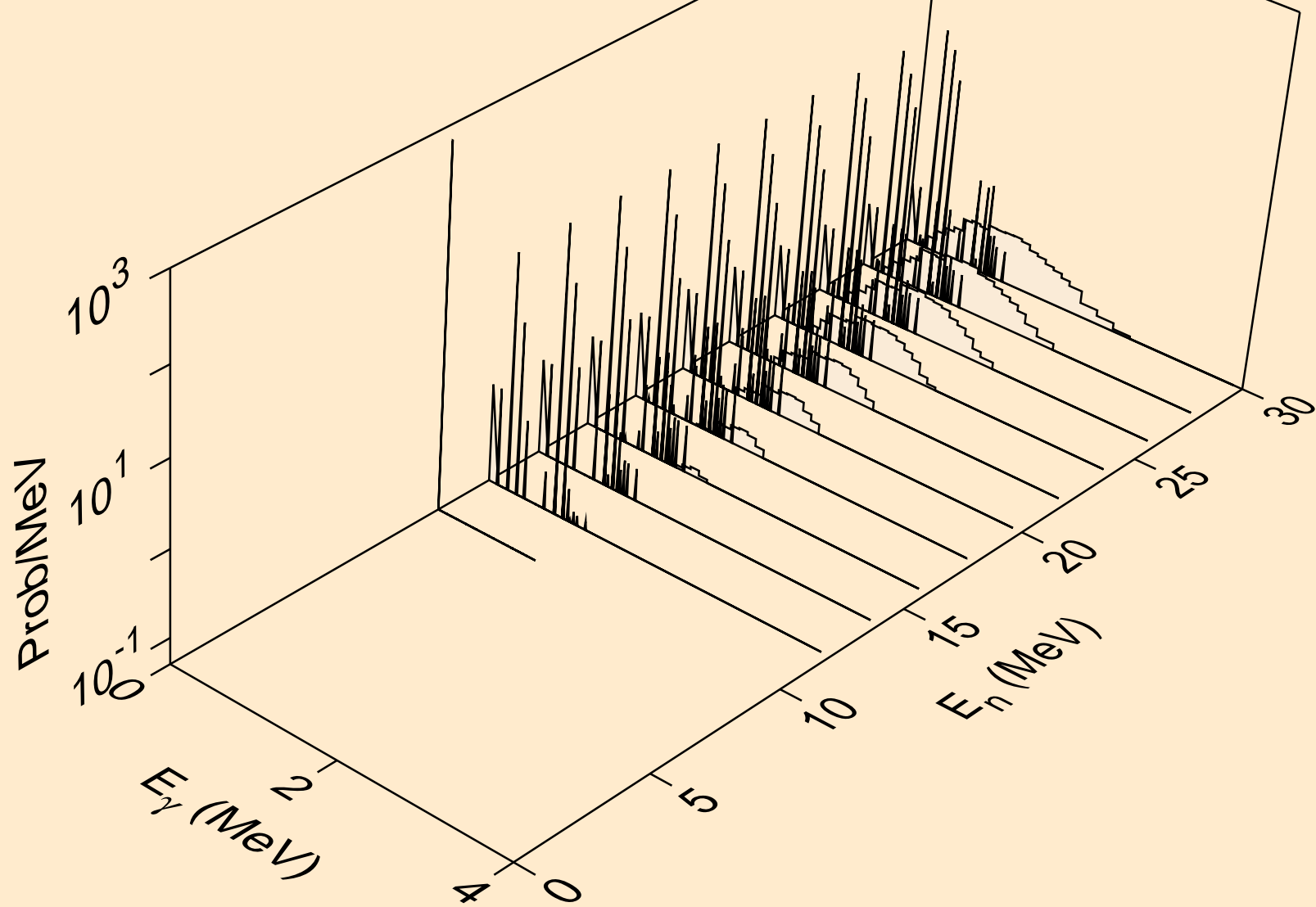
HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)a



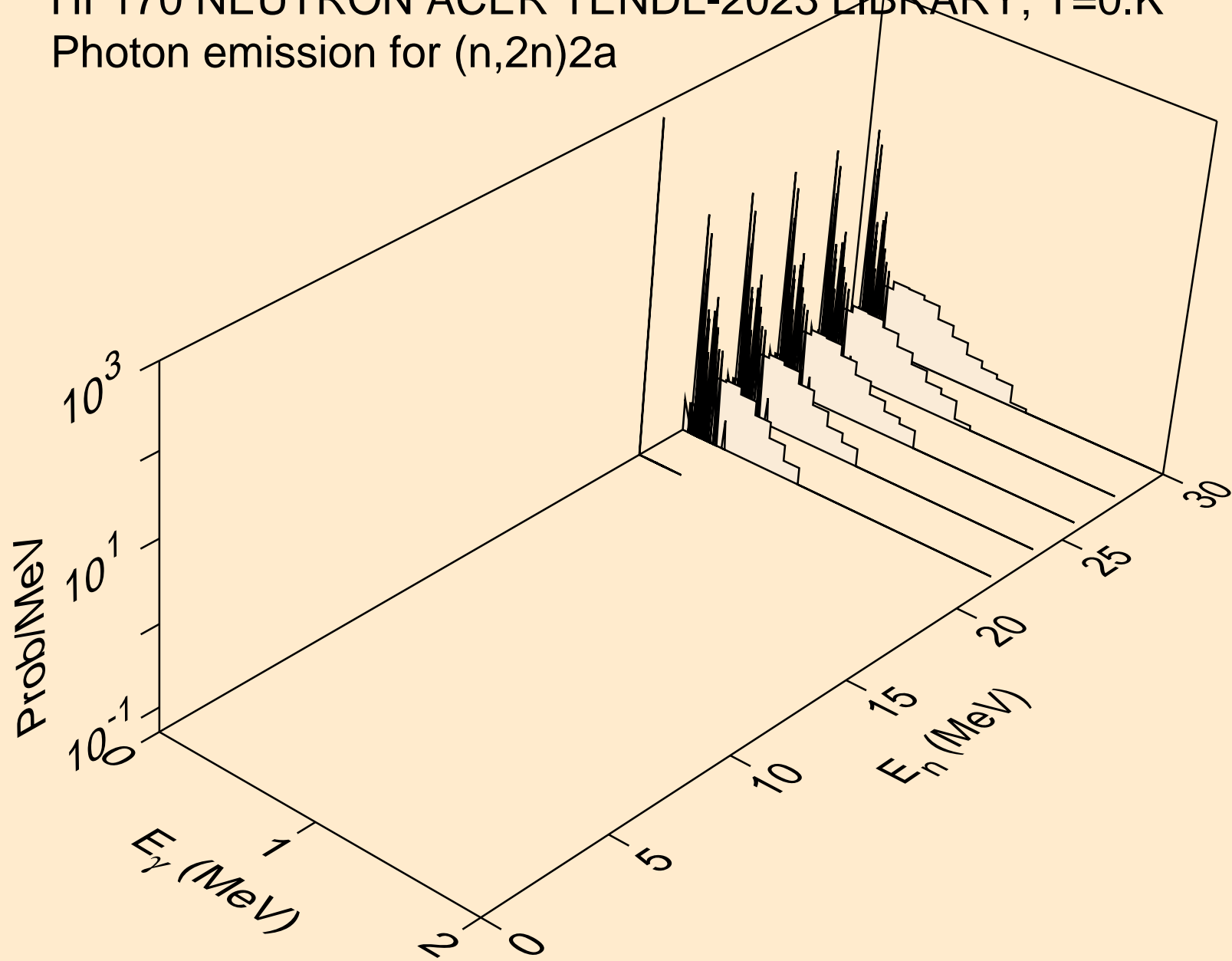
HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a

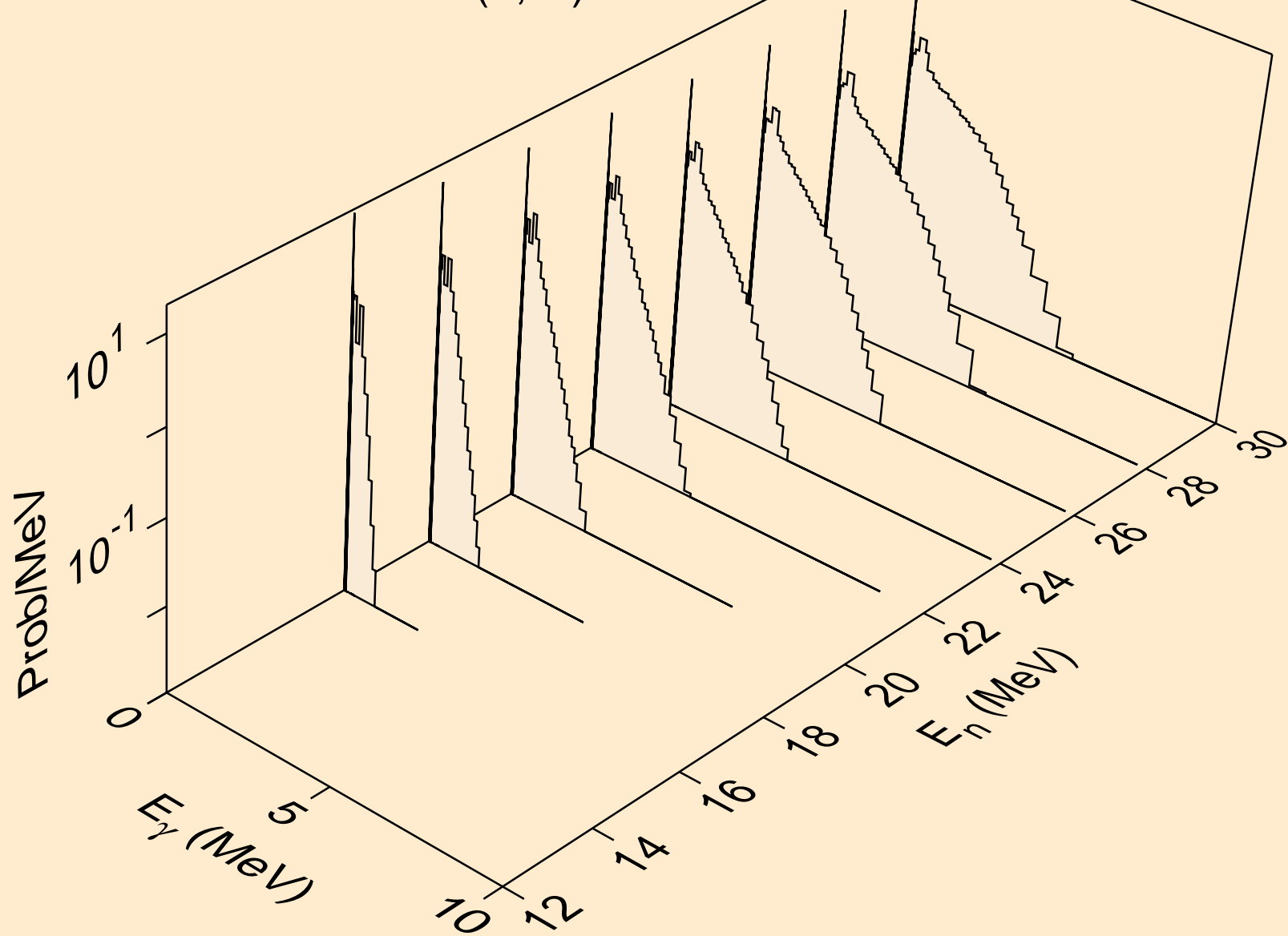


HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)2a

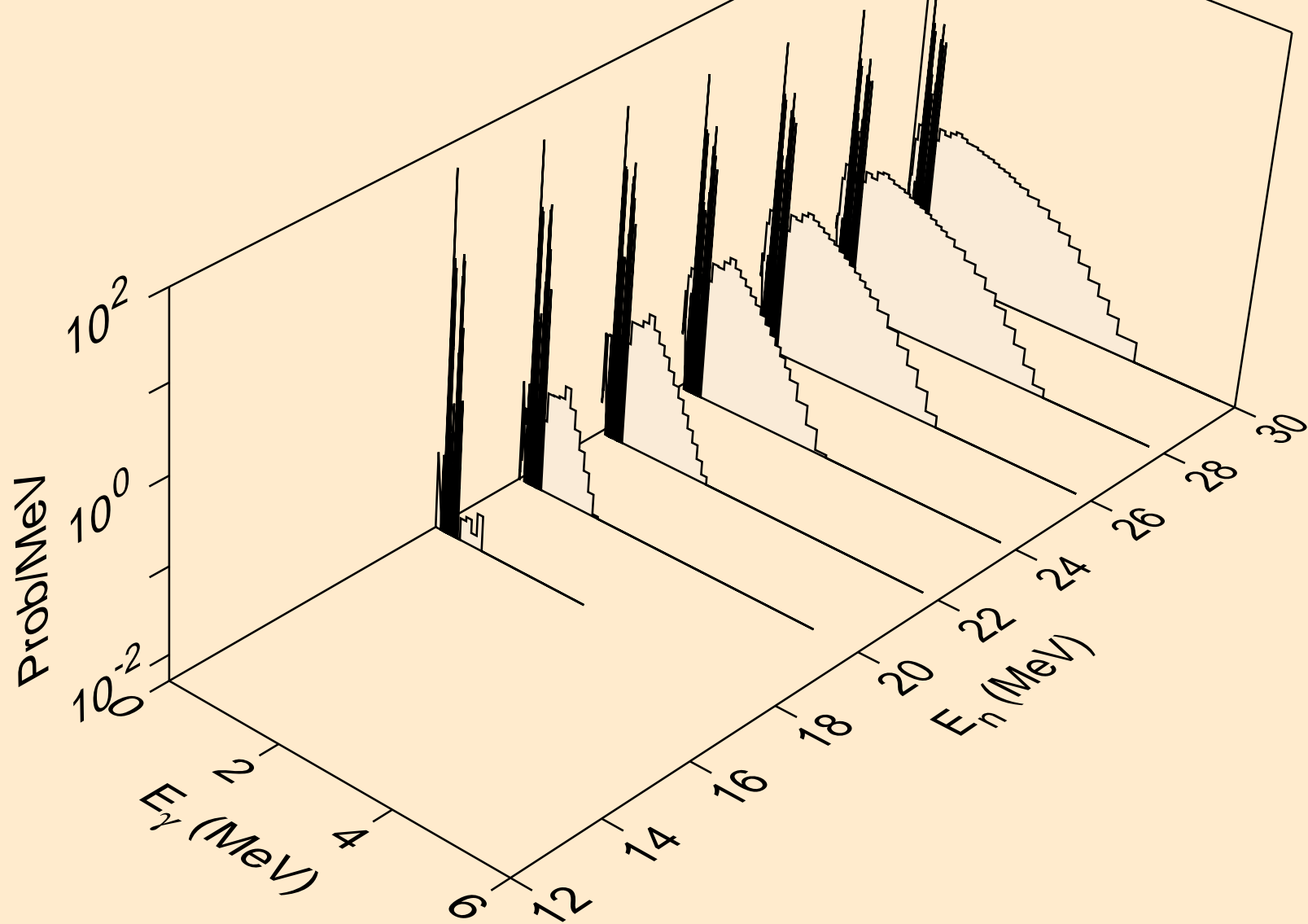




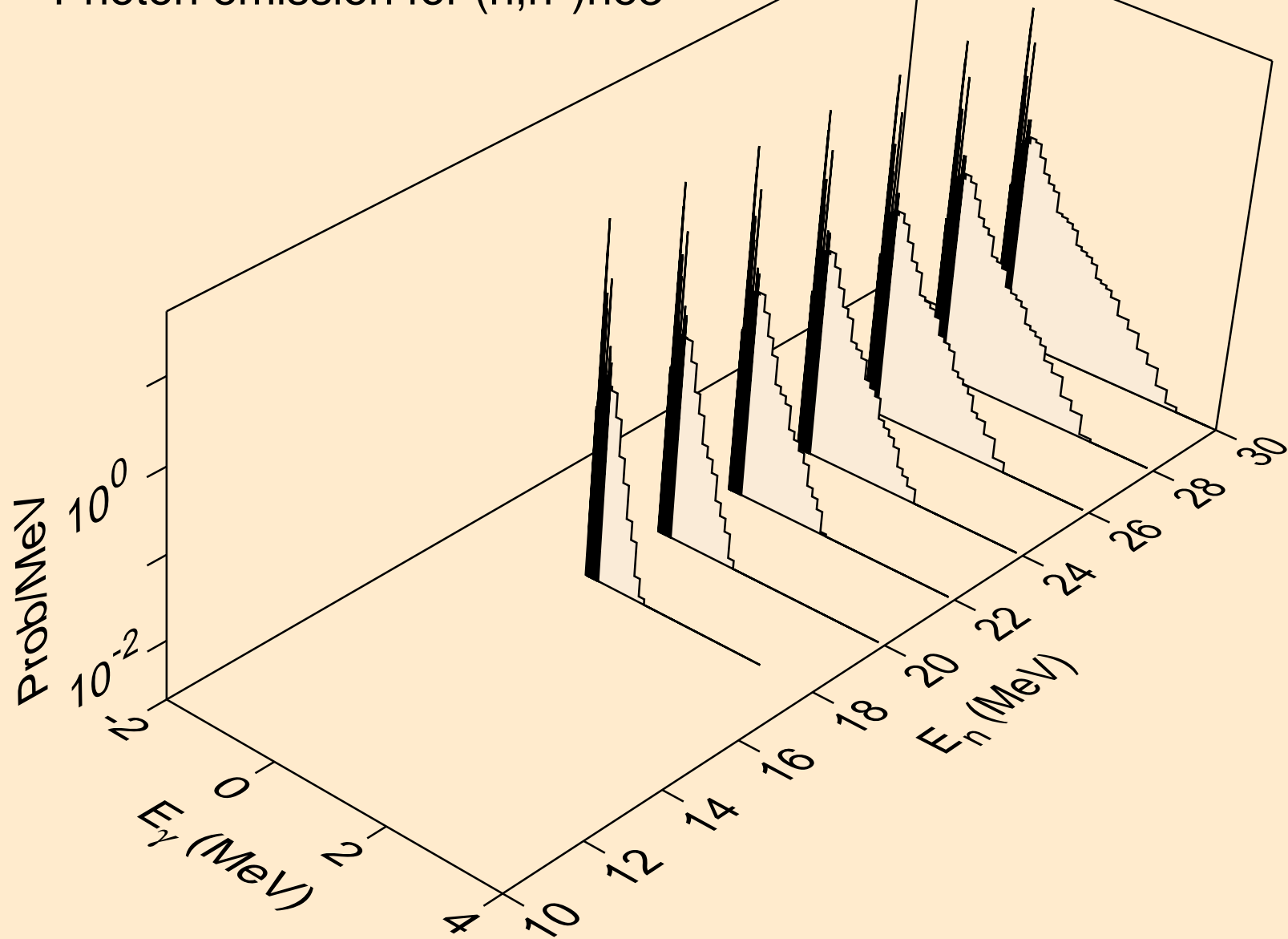
HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



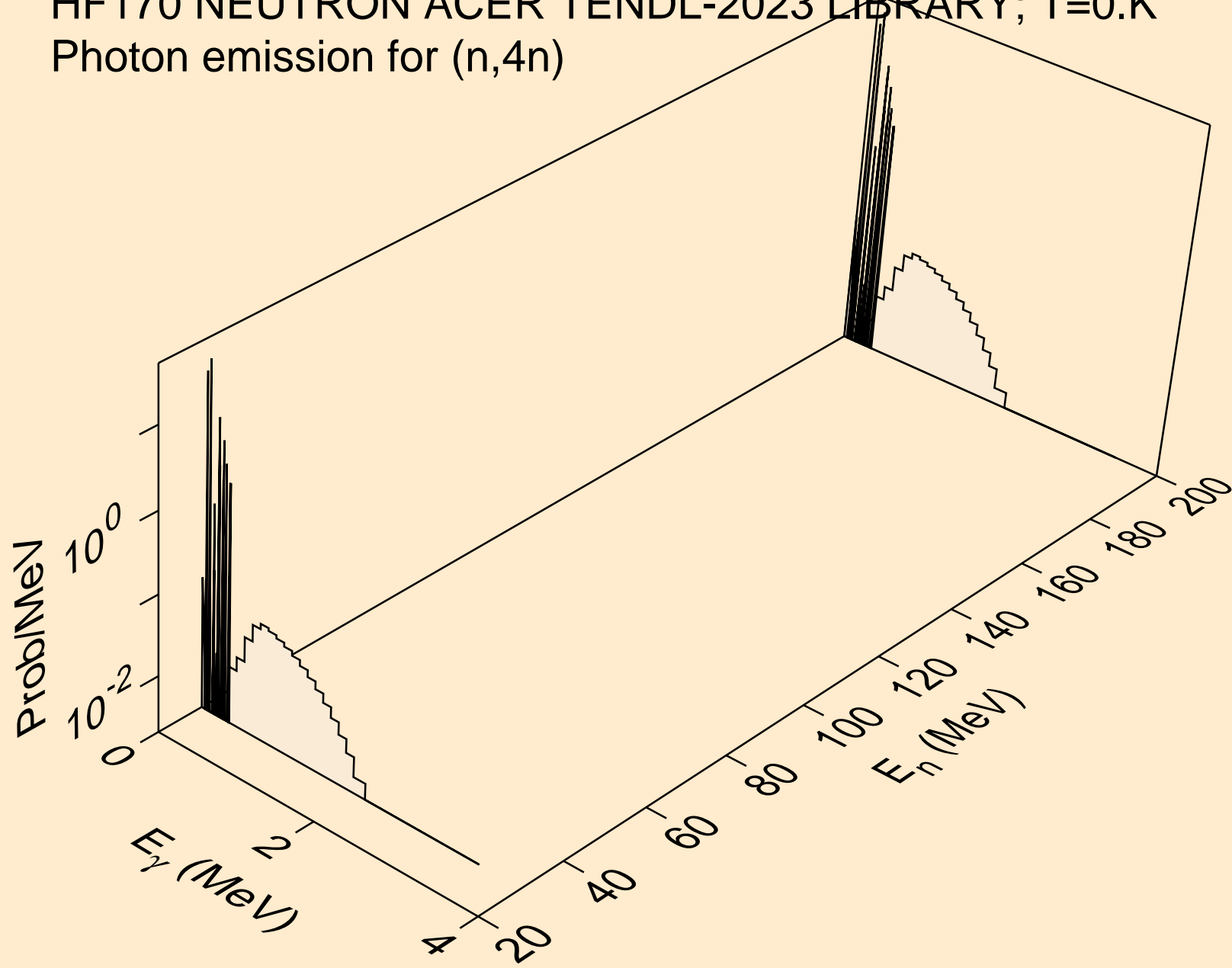
HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



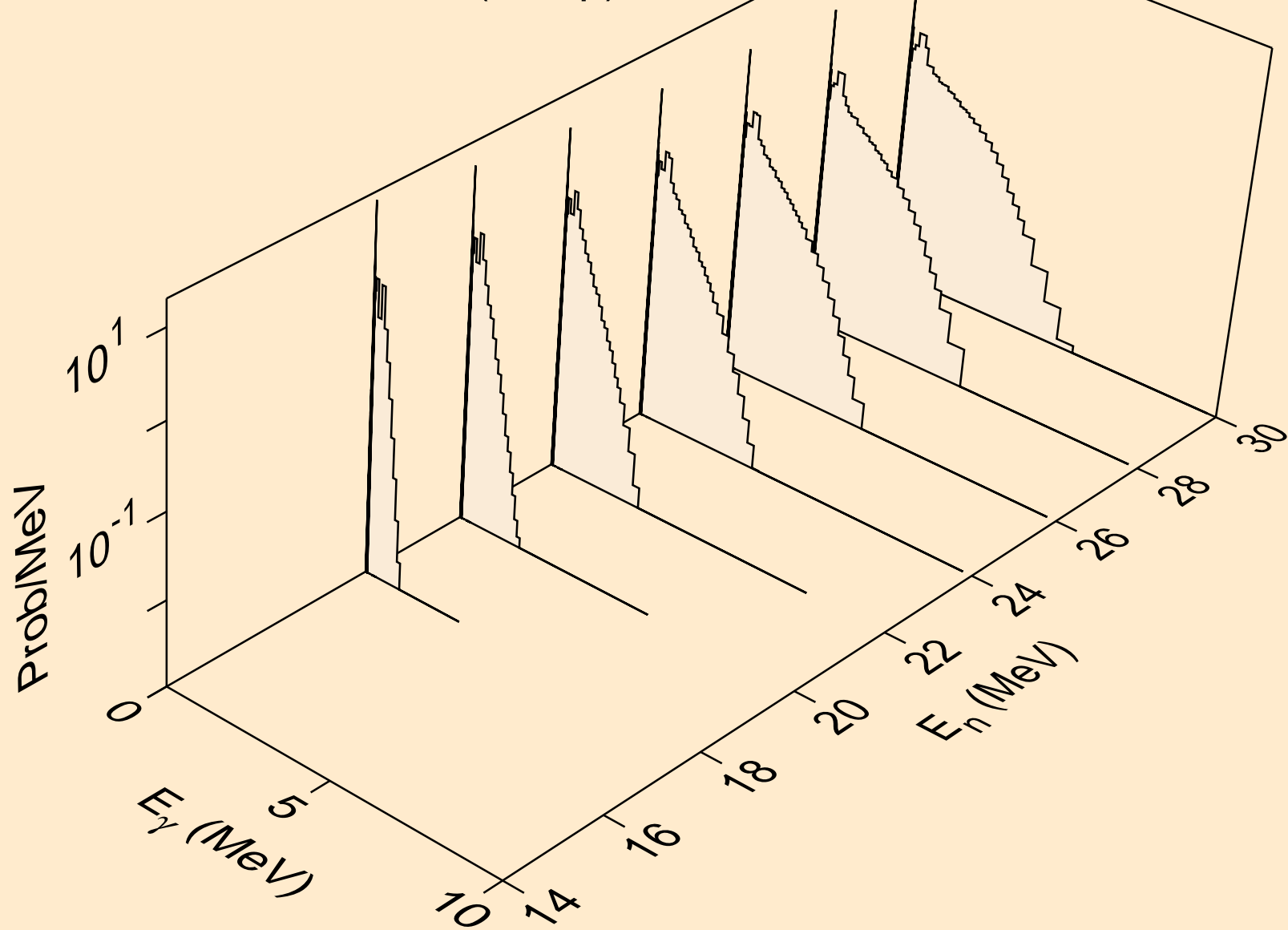
HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



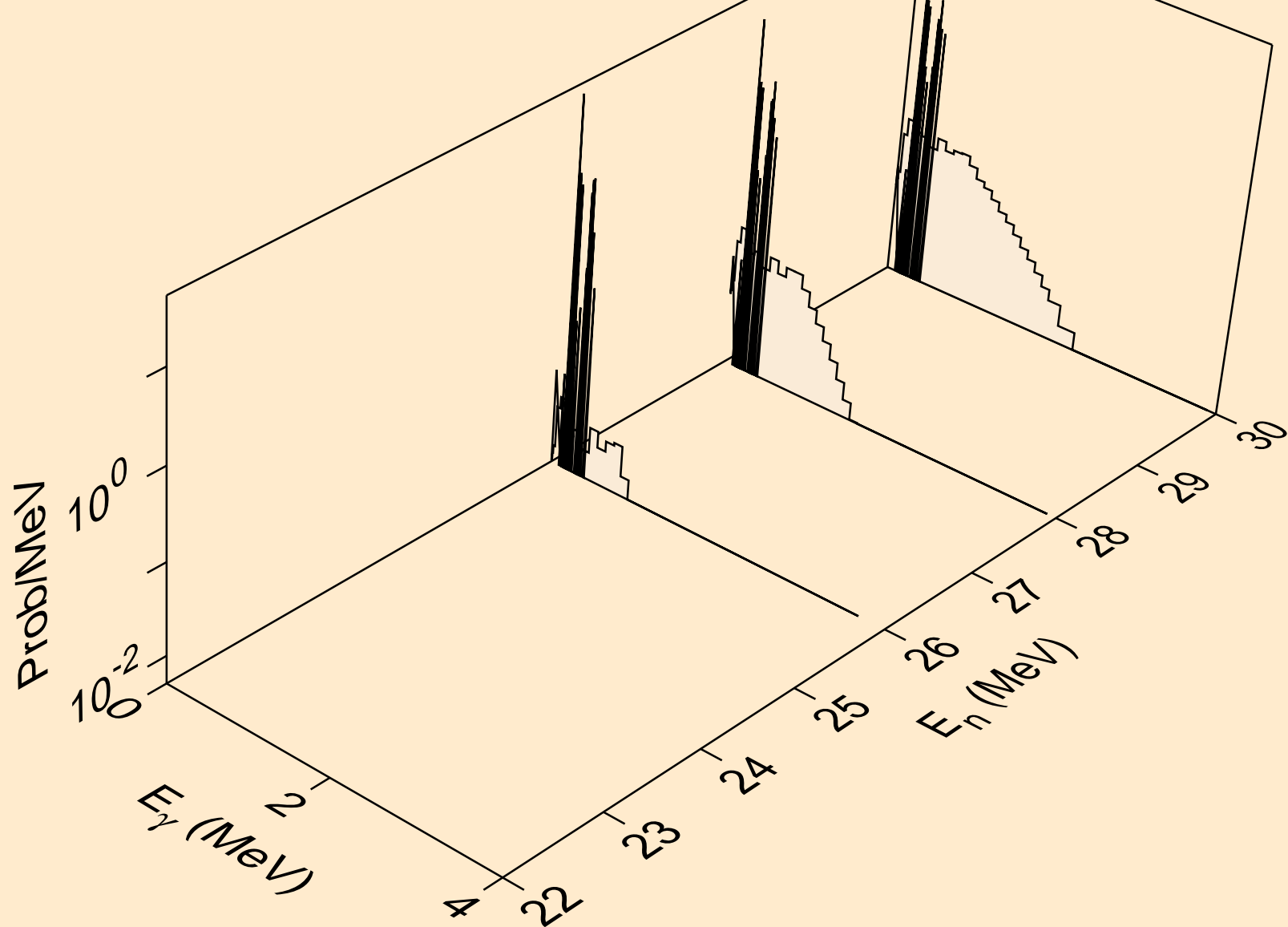
HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,4n)



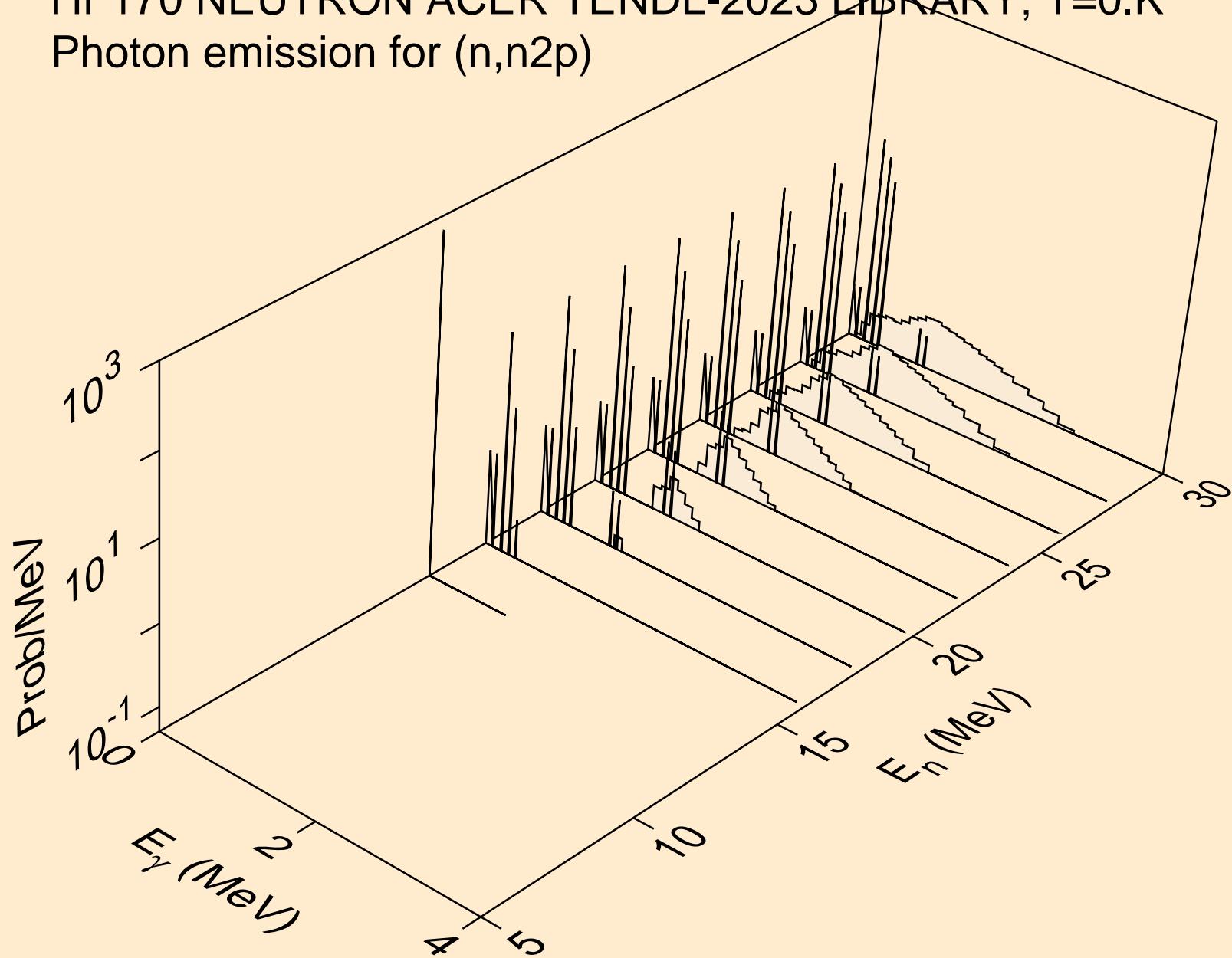
HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)



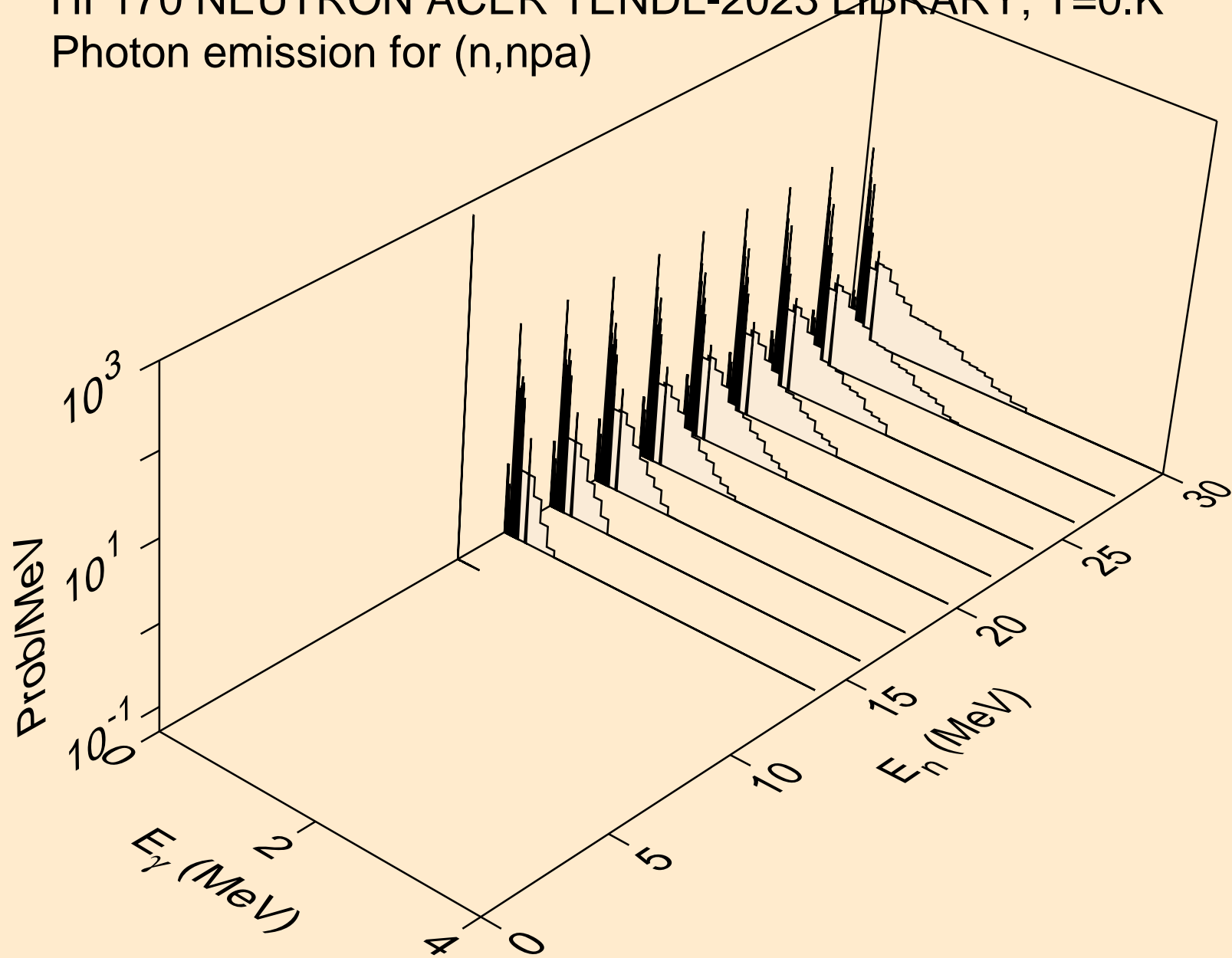
HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3np)



HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)

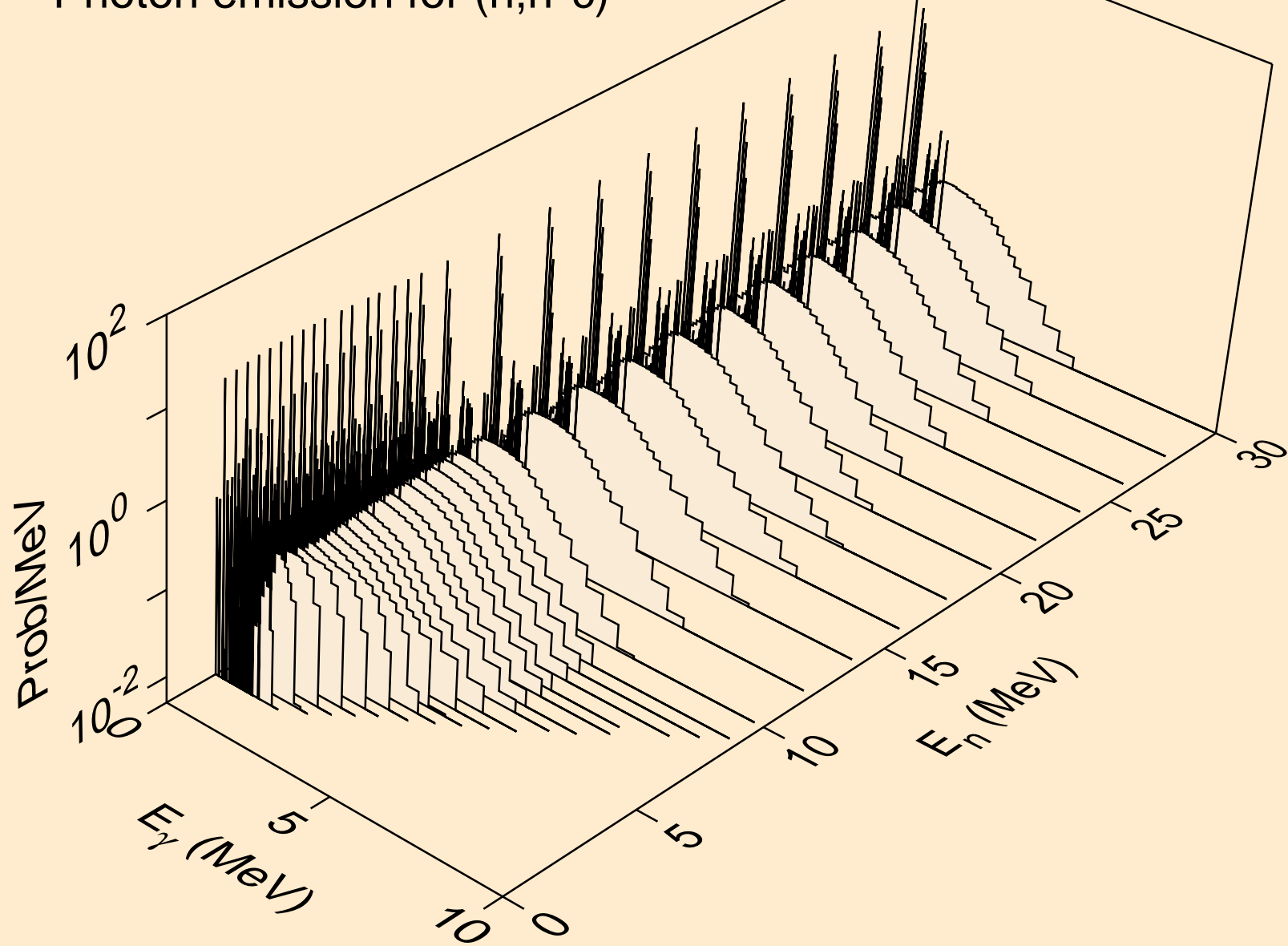


HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,npa)

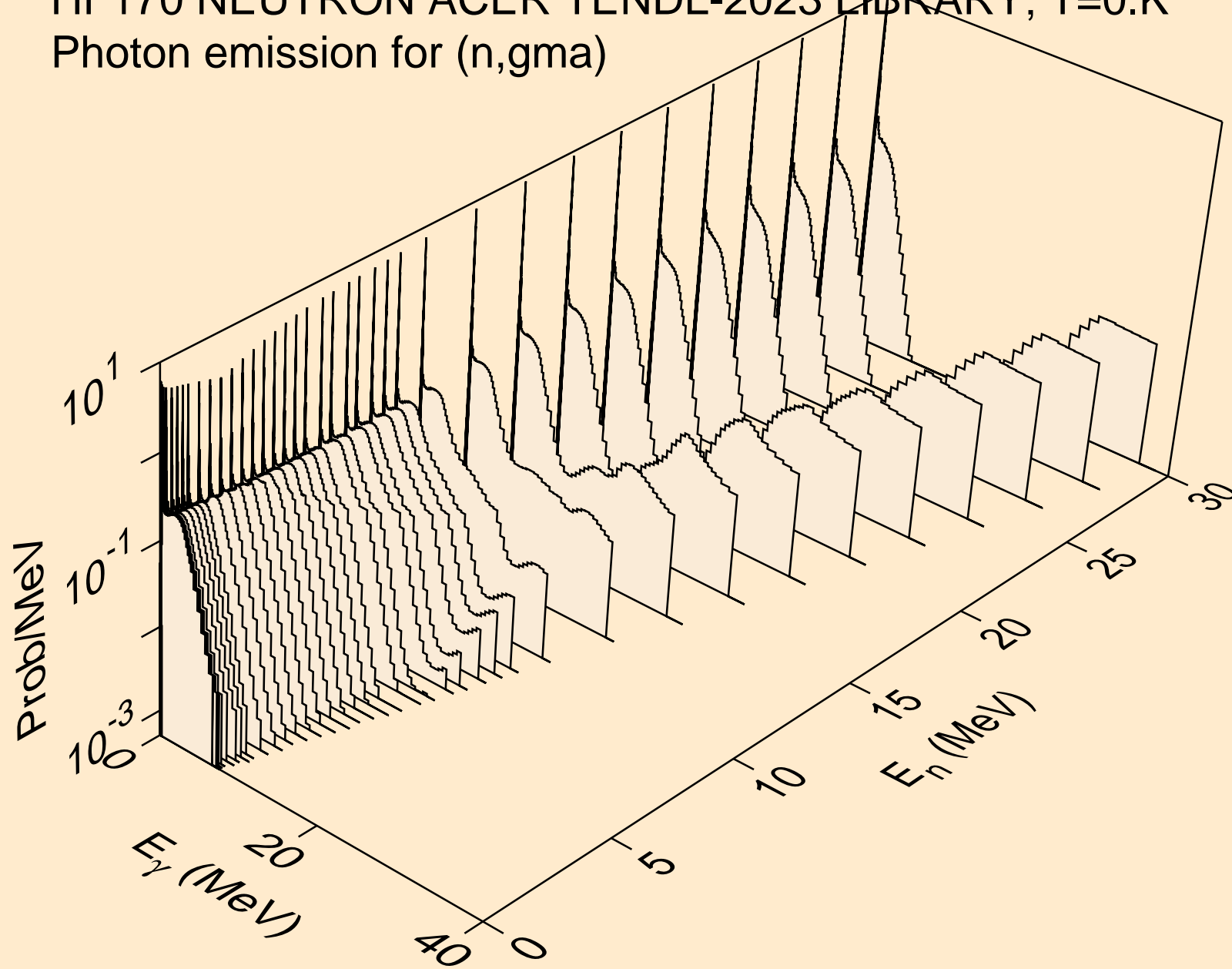




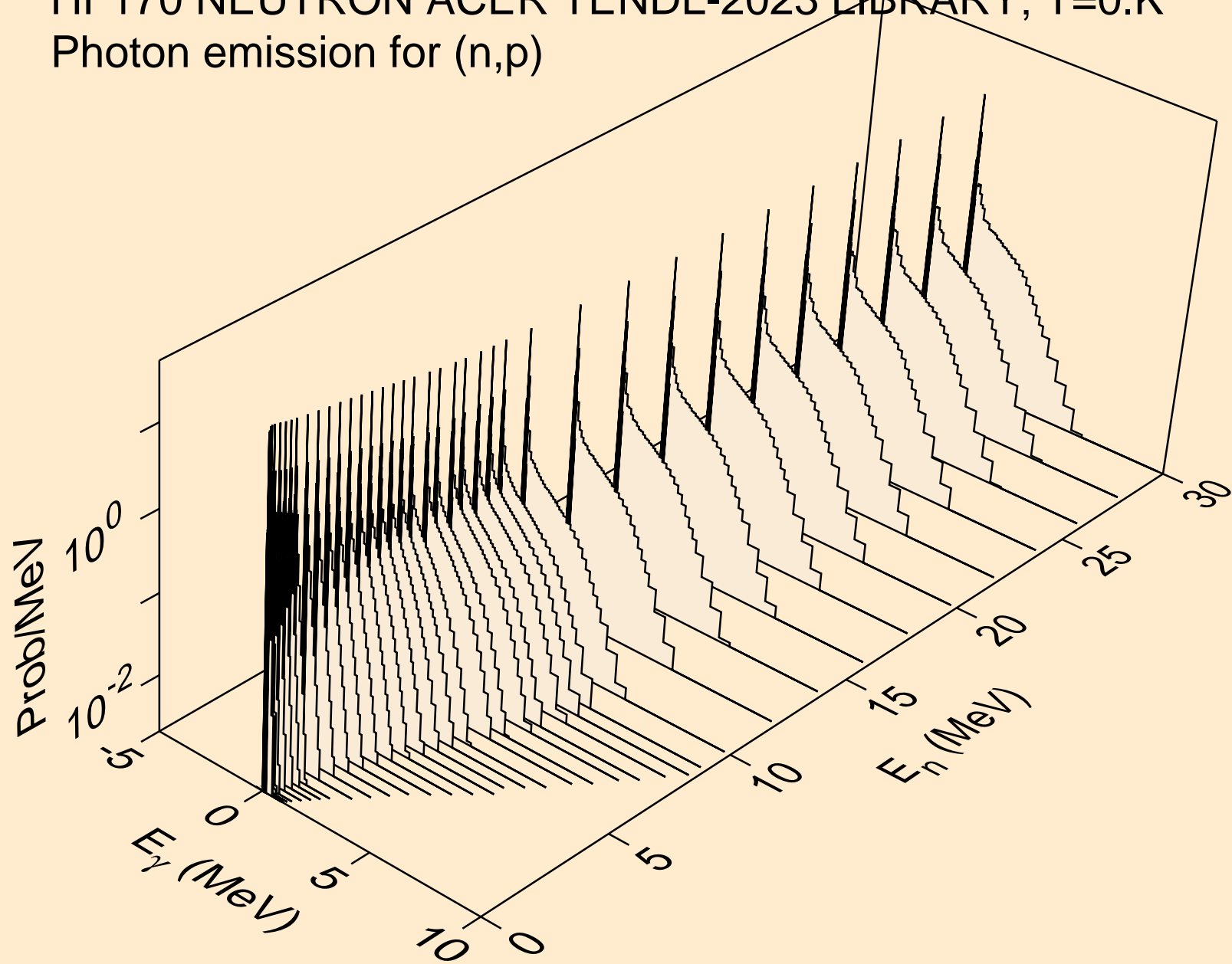
HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*c)



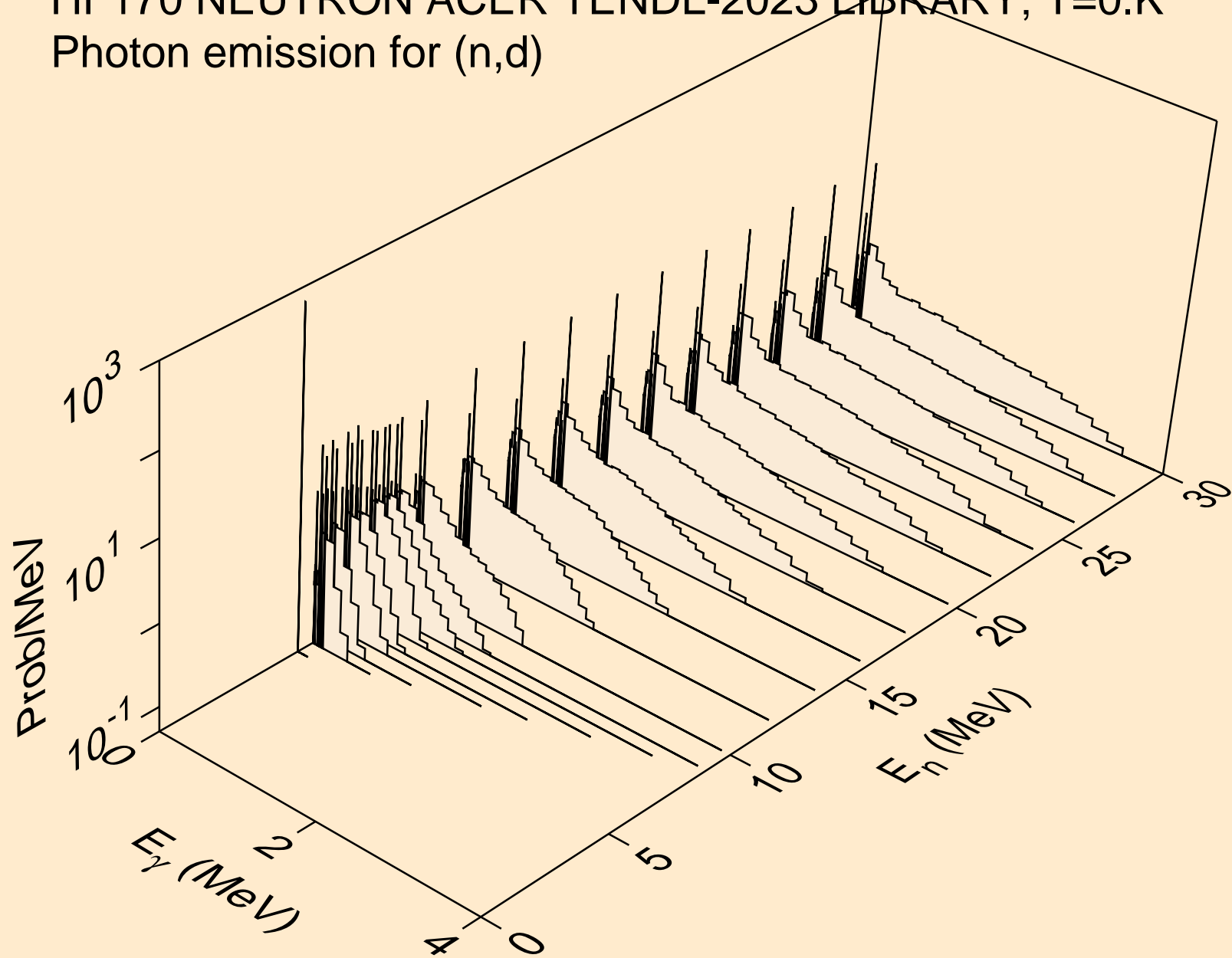
HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)



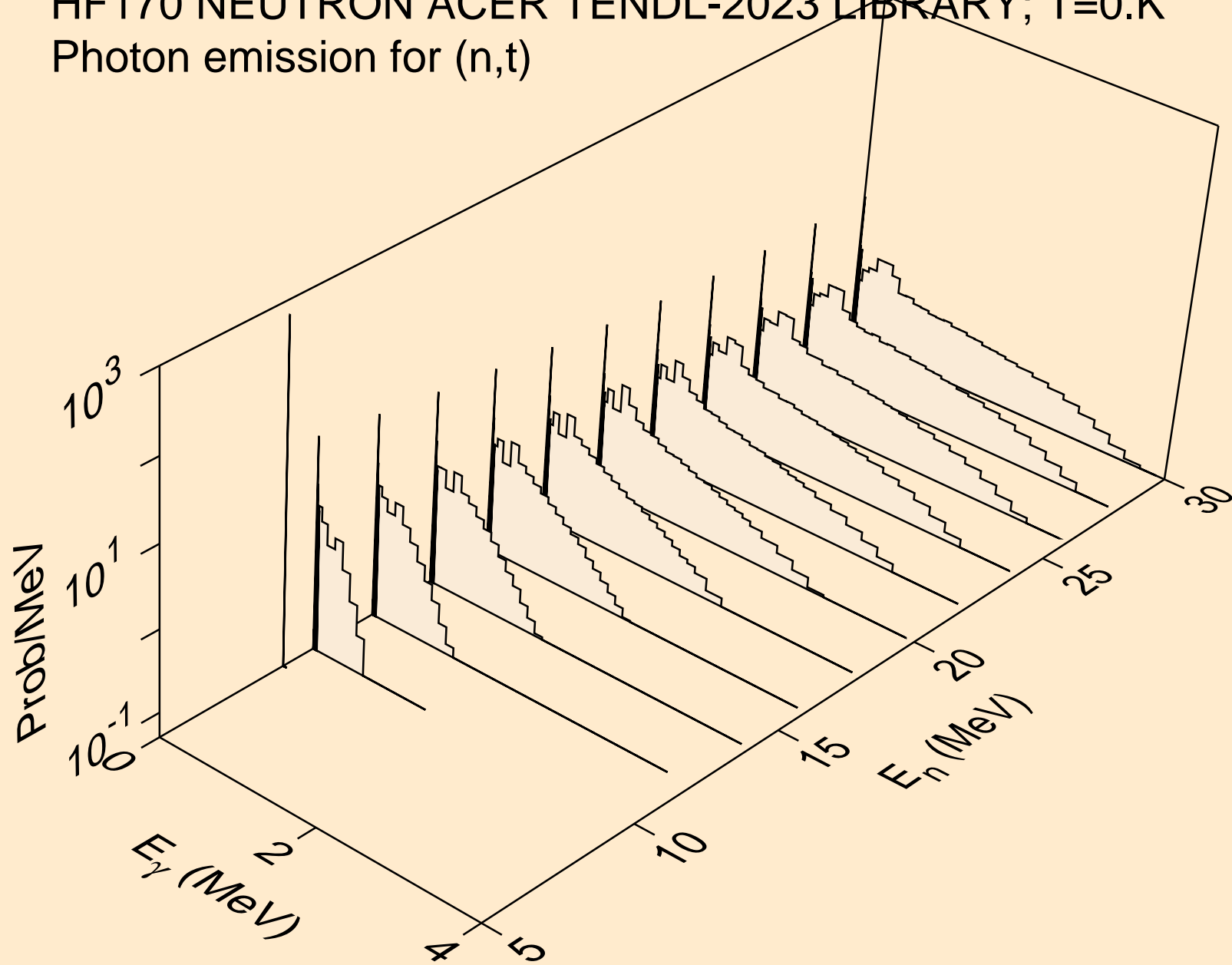
HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)



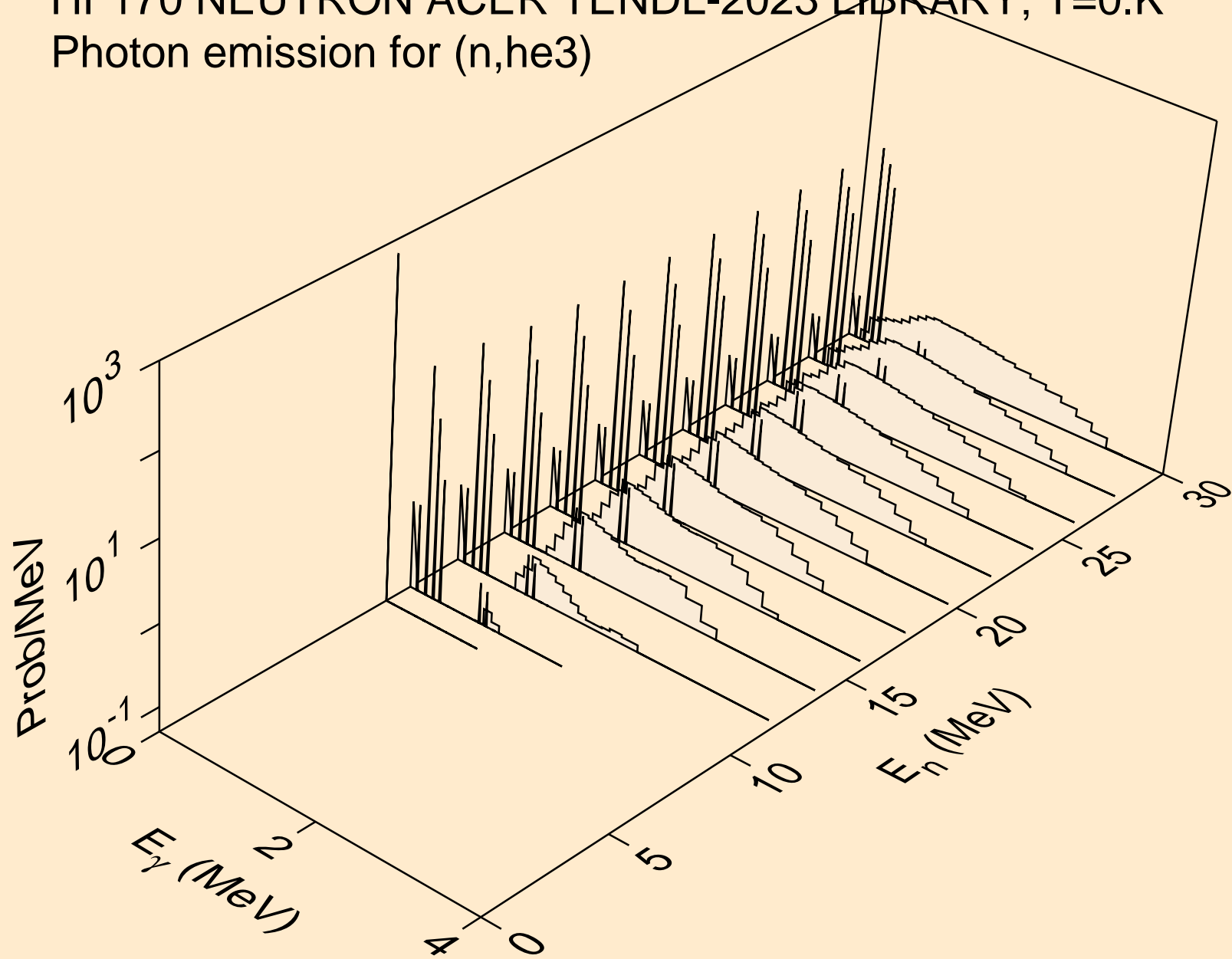
HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)



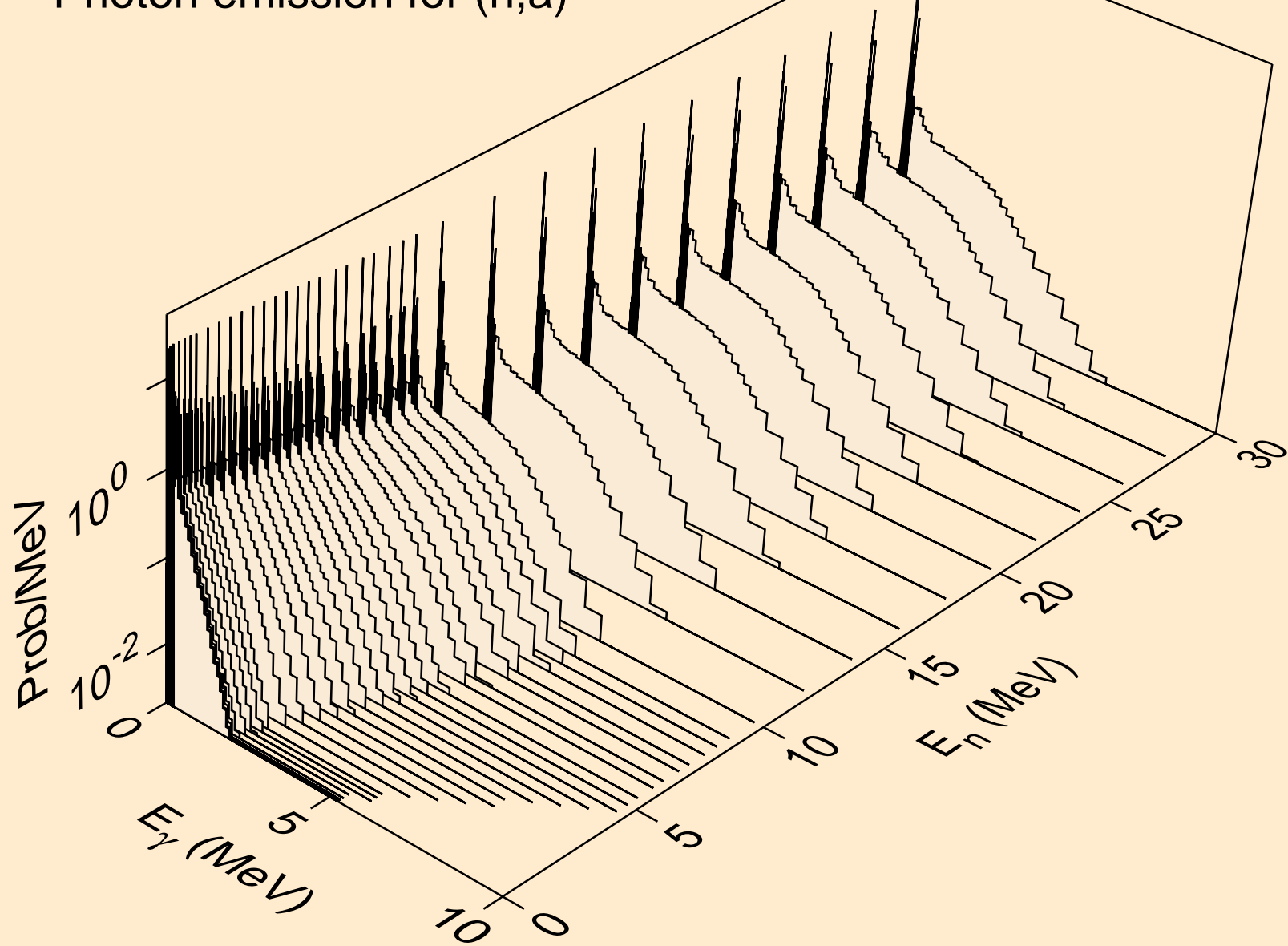
HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)



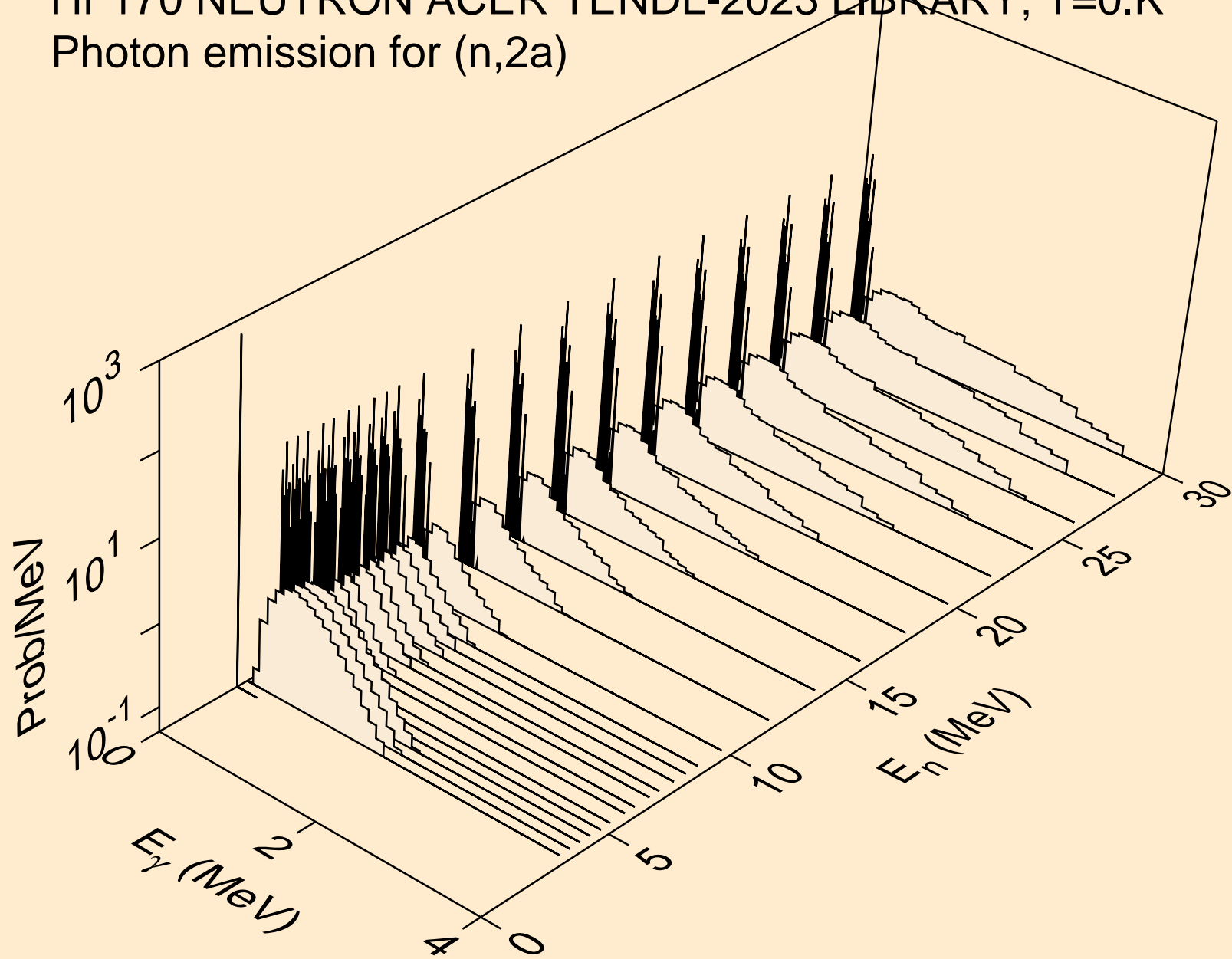
HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)



HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)

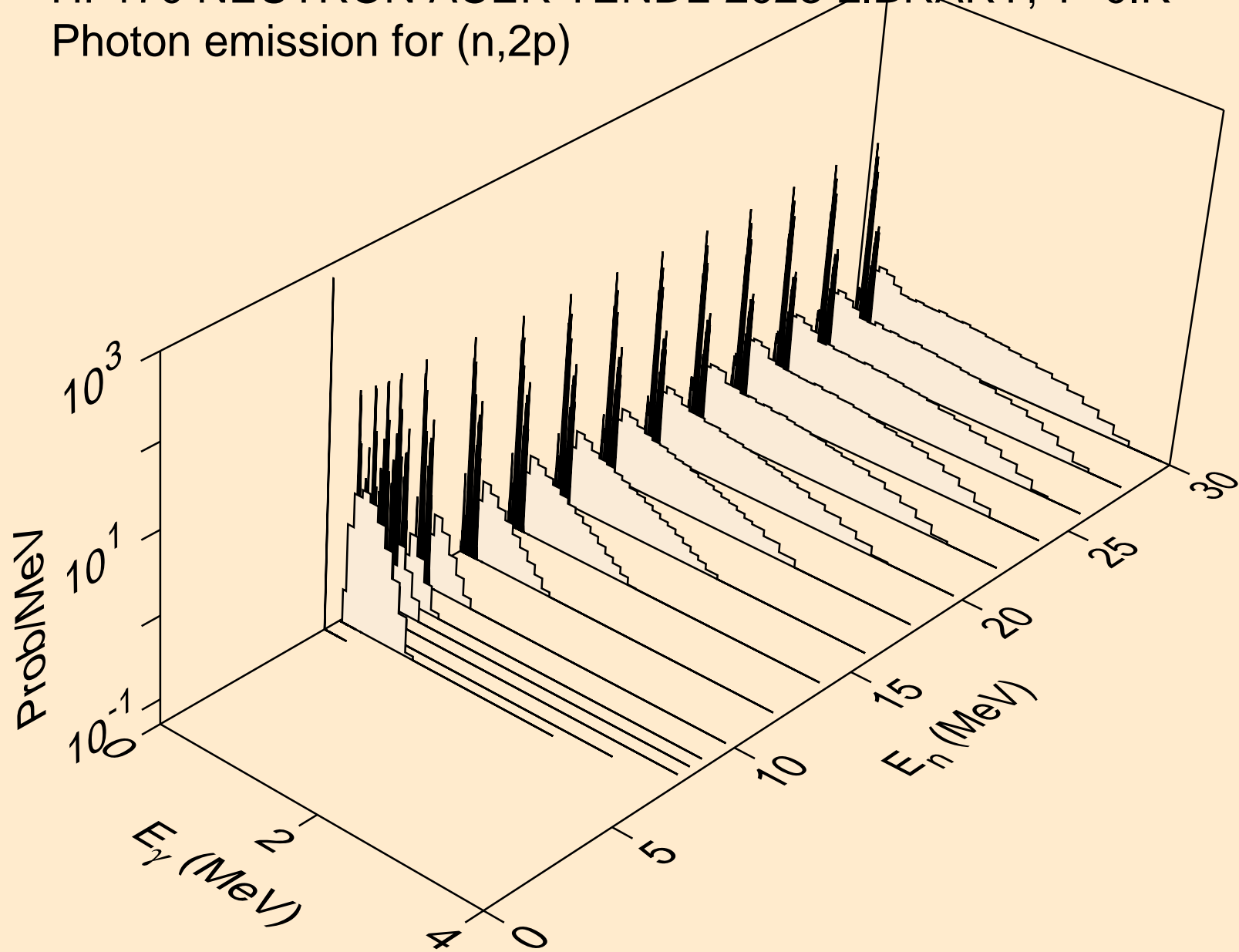


HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2a)

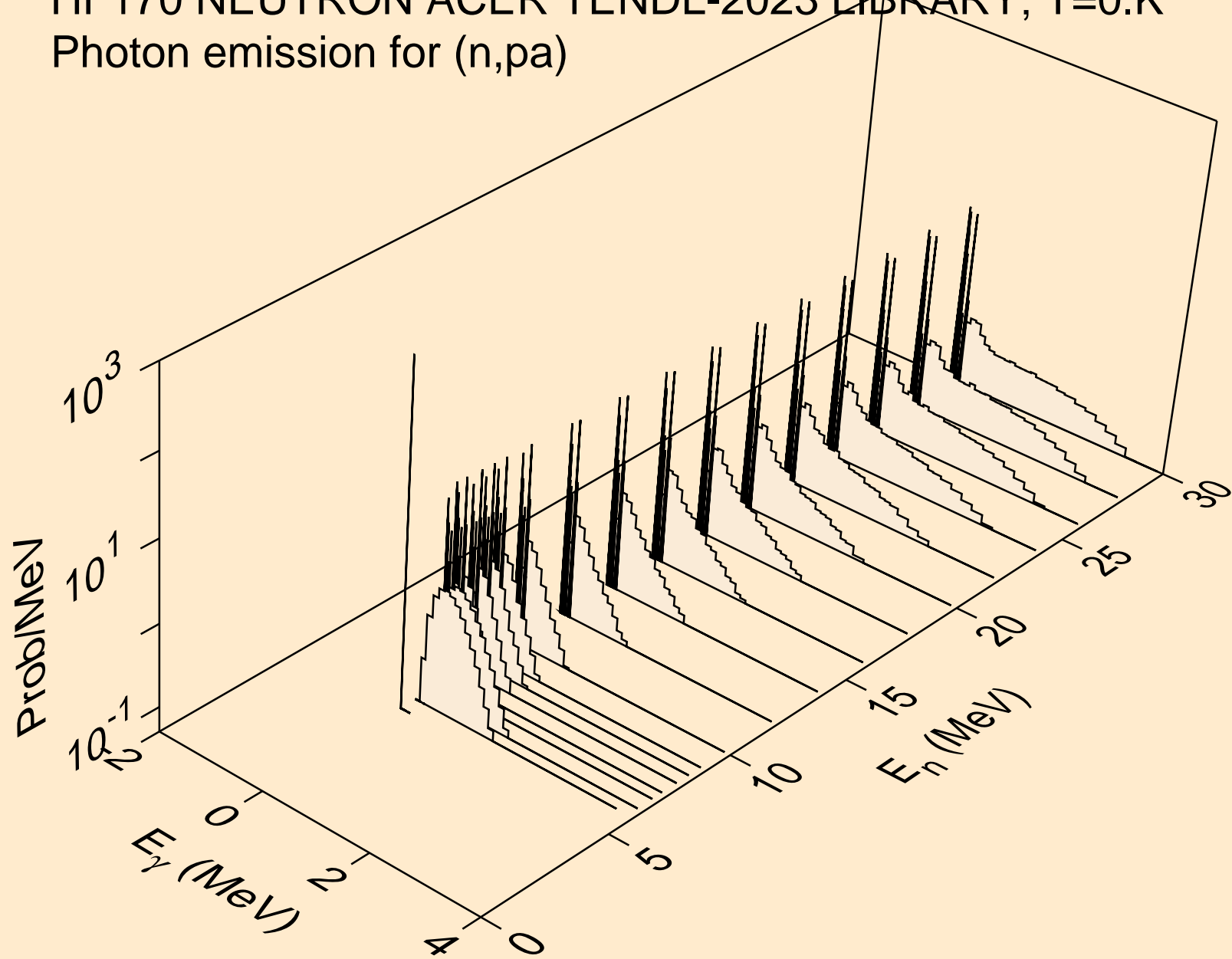




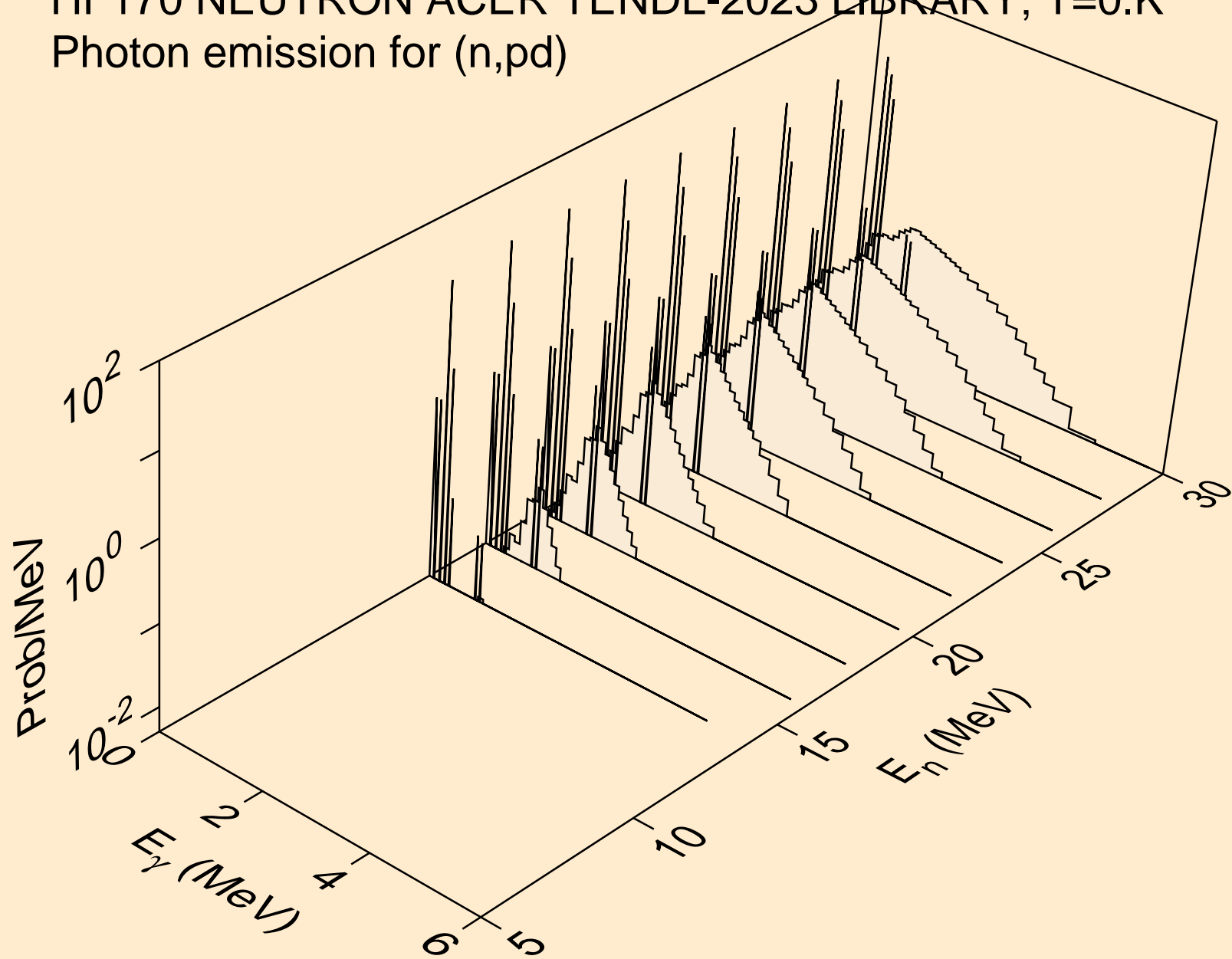
HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)



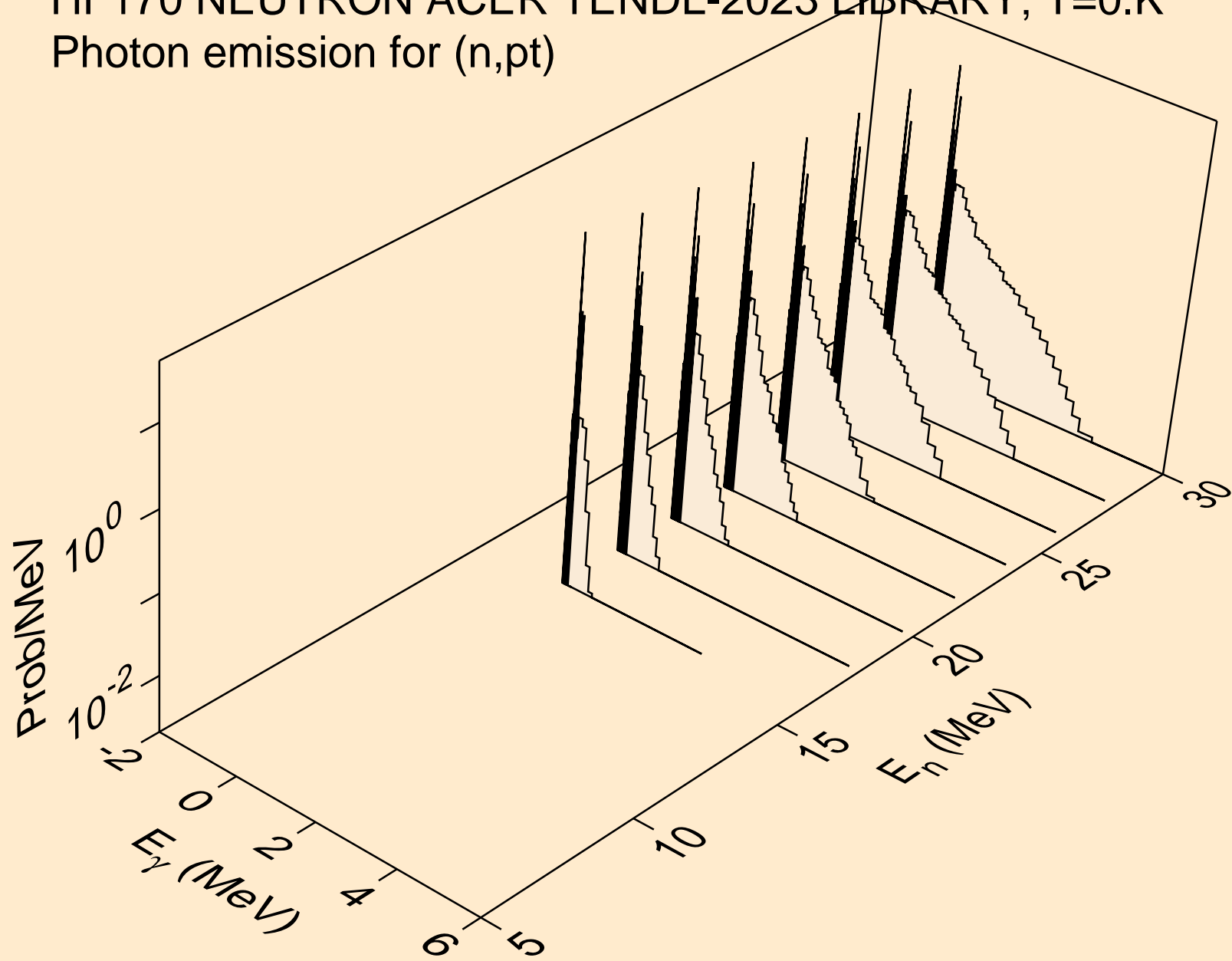
HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)



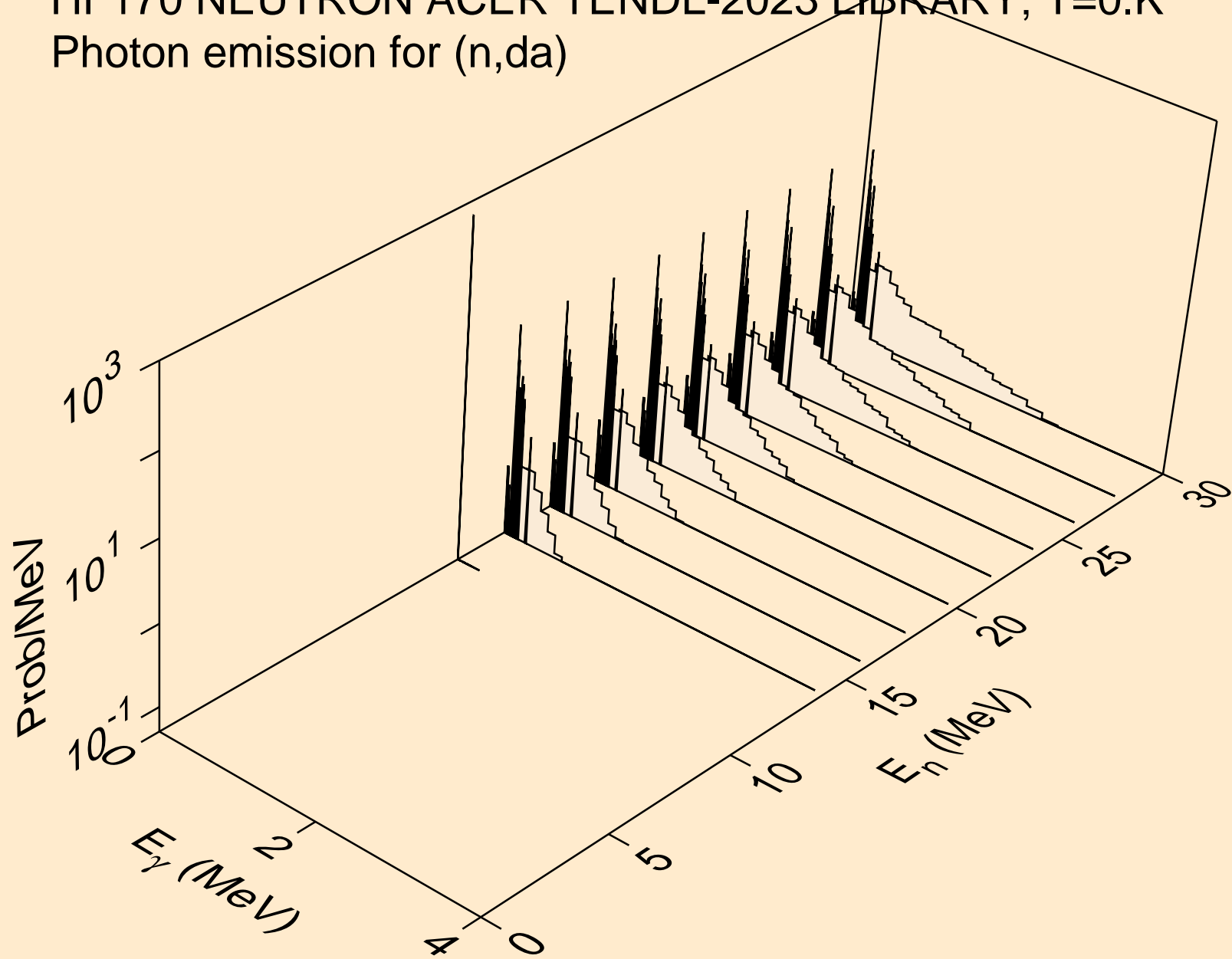
HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)



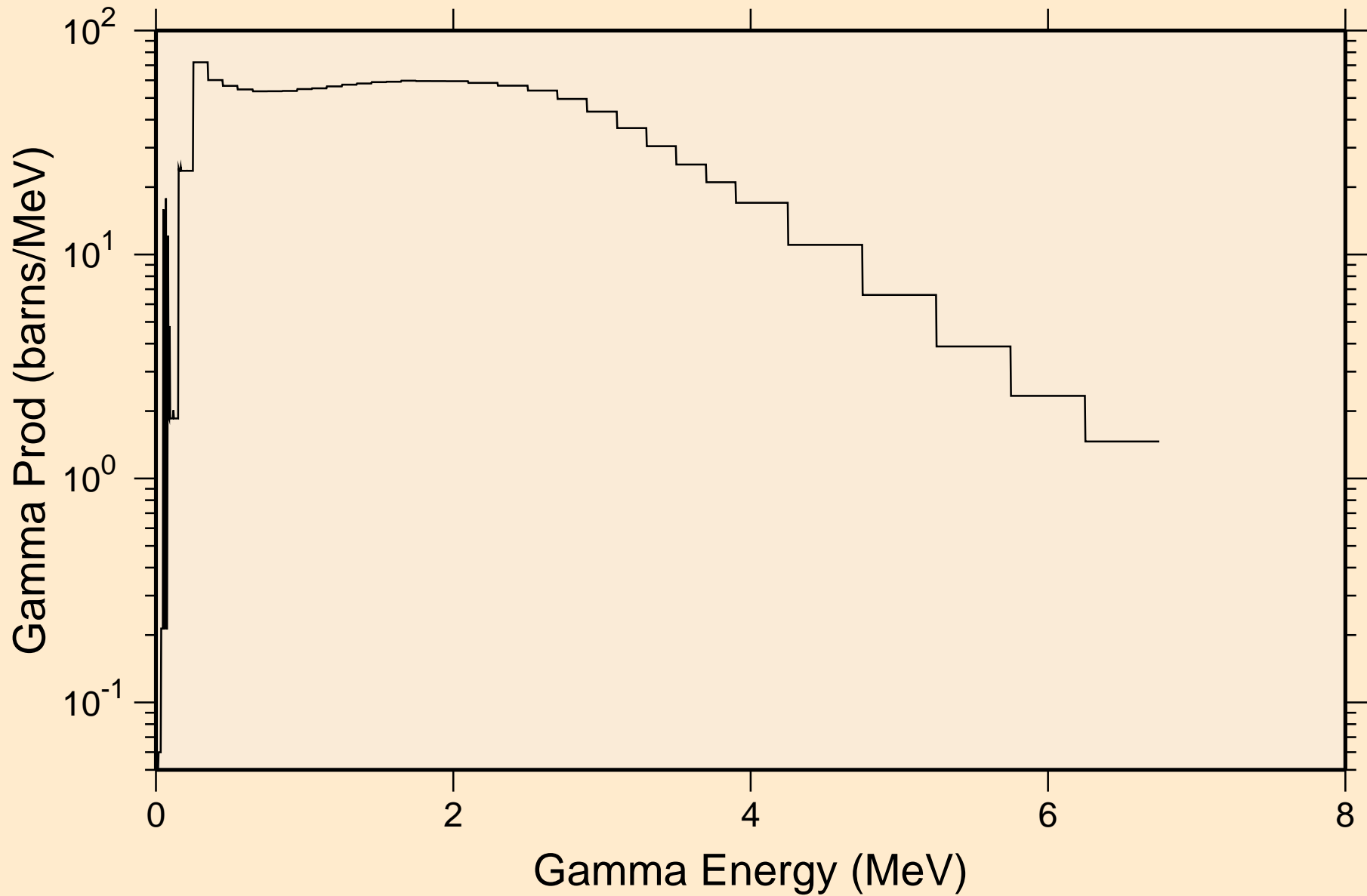
HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)



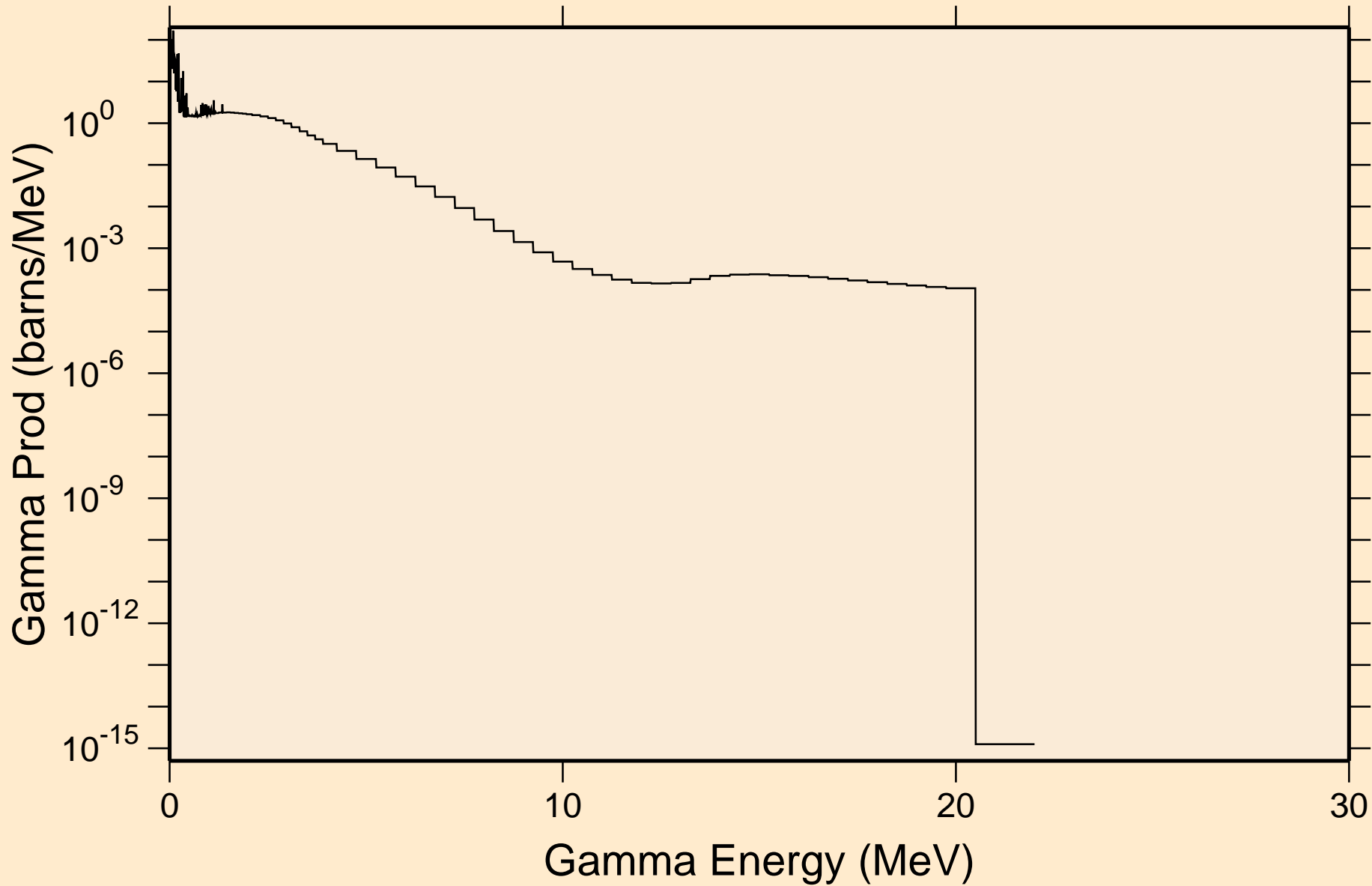
HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)



HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
thermal capture photon spectrum

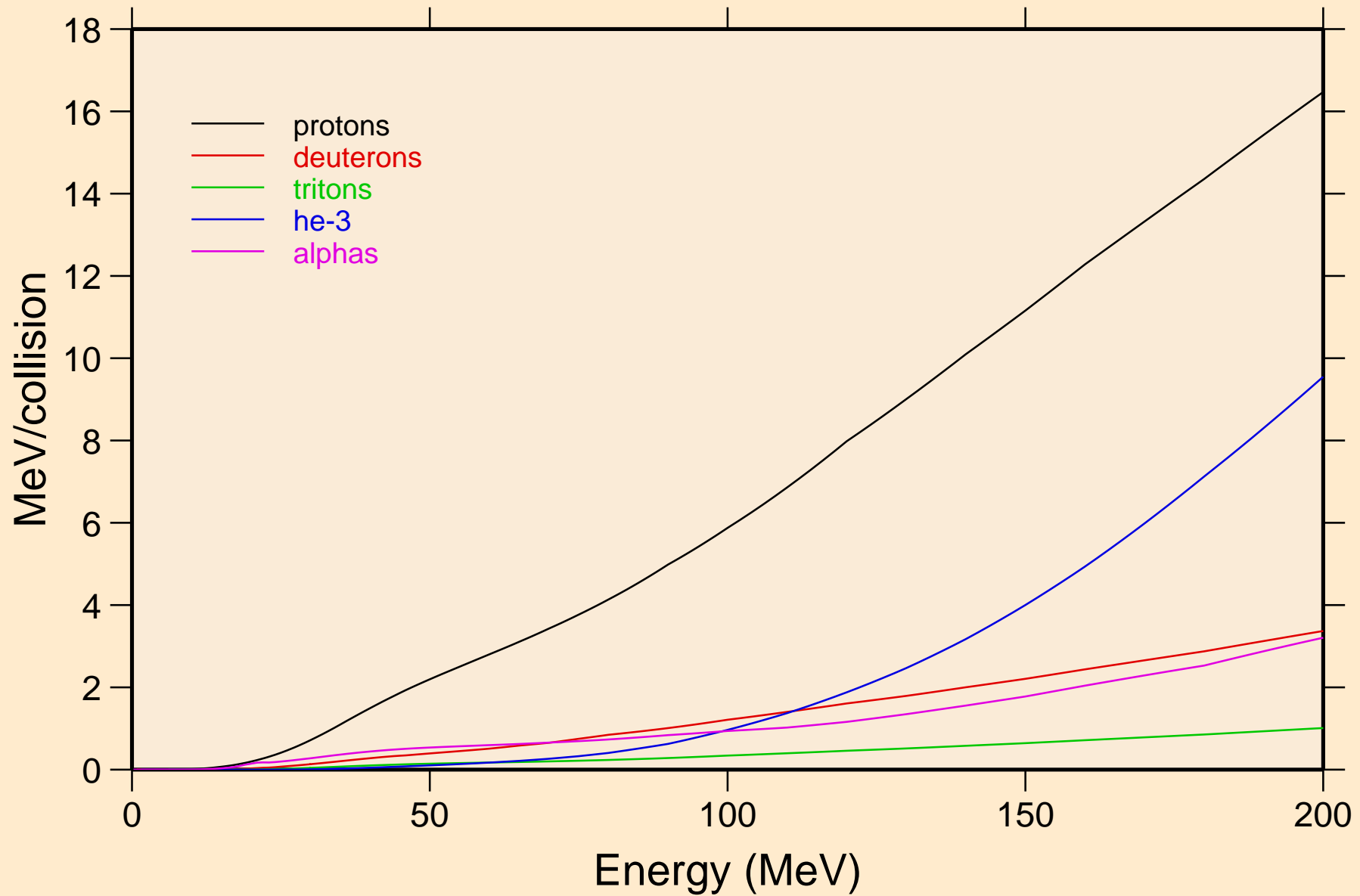


HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
14 MeV photon spectrum



# HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

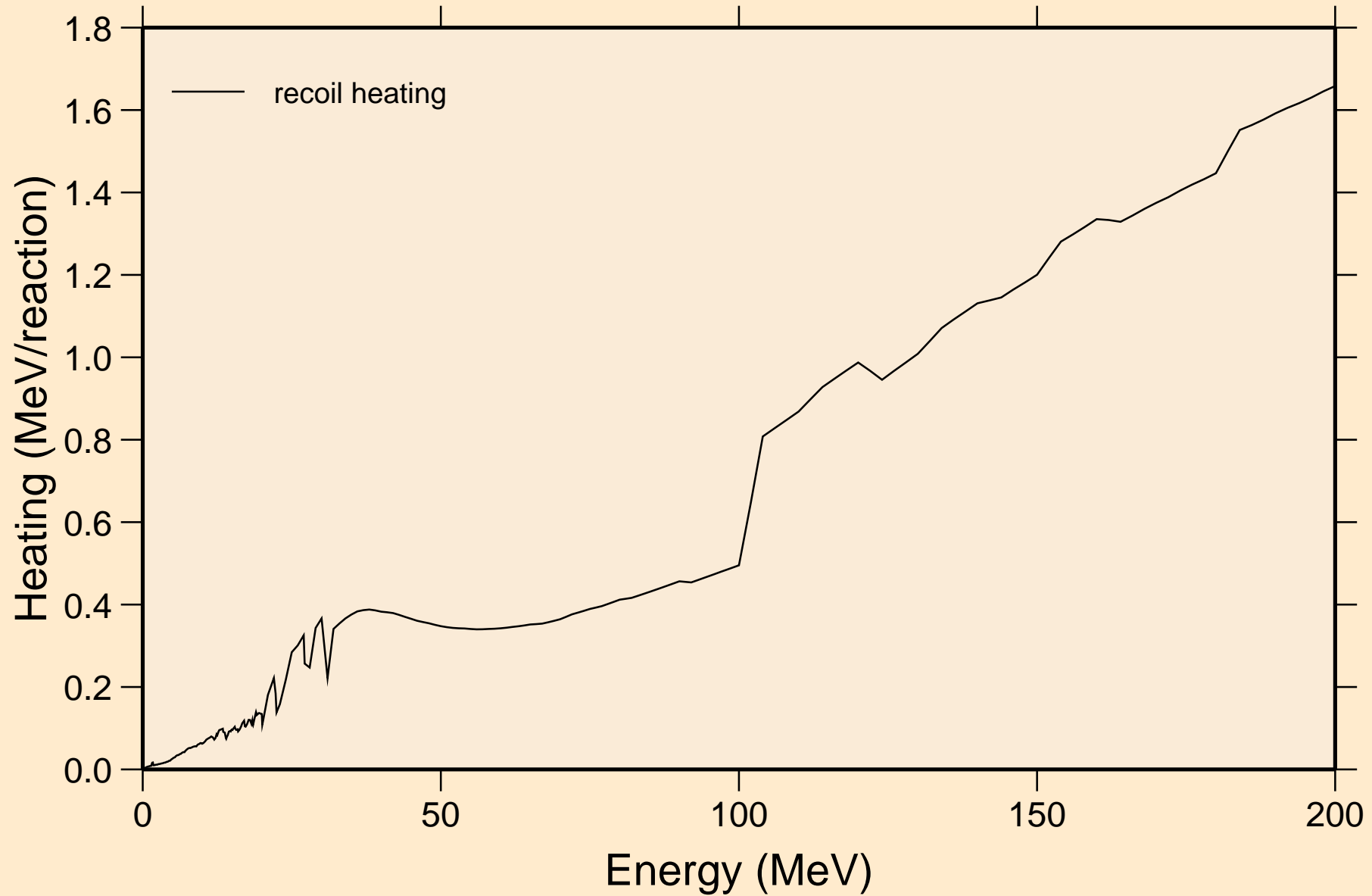
## Particle heating contributions





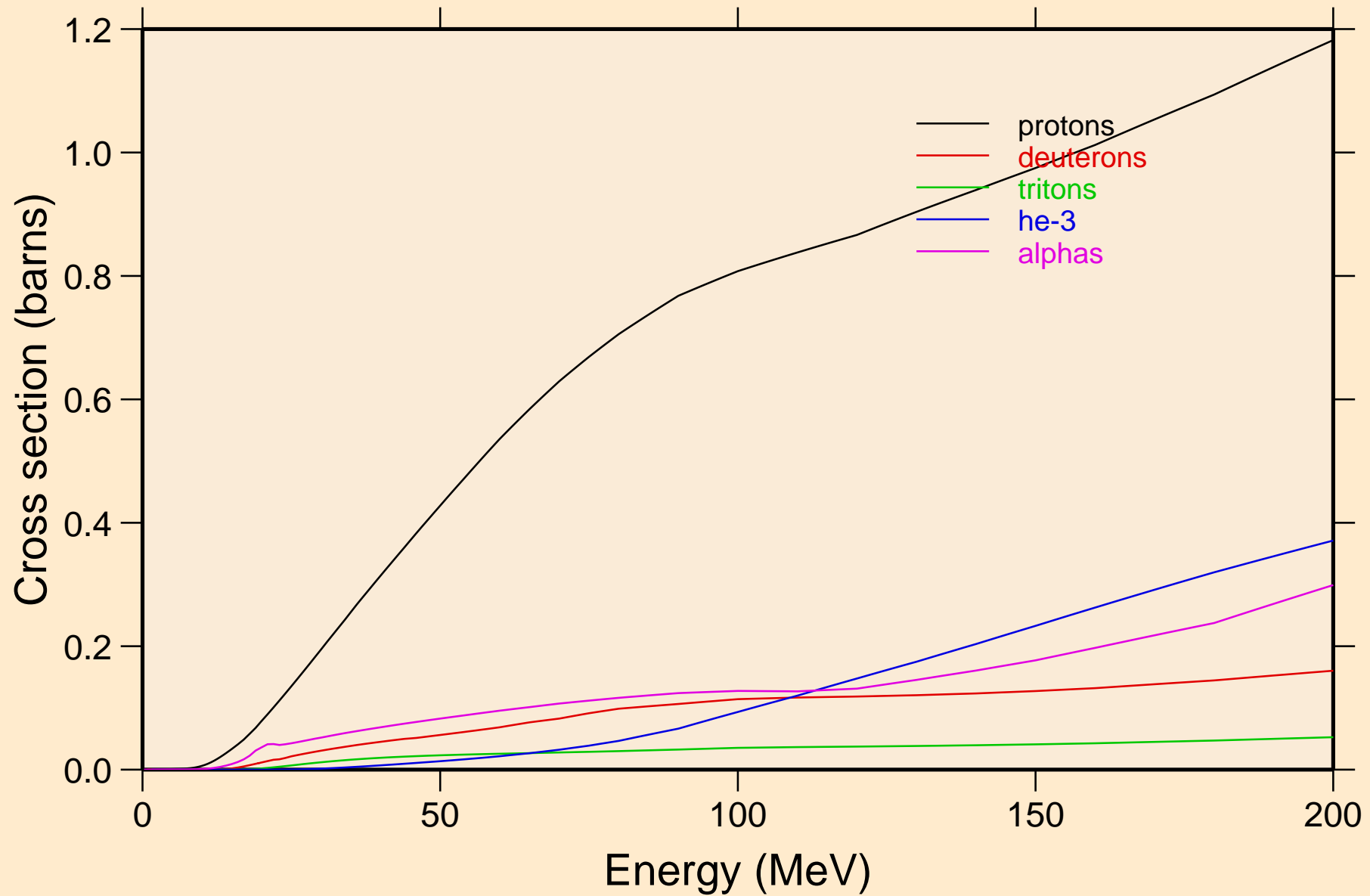
# HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Recoil Heating

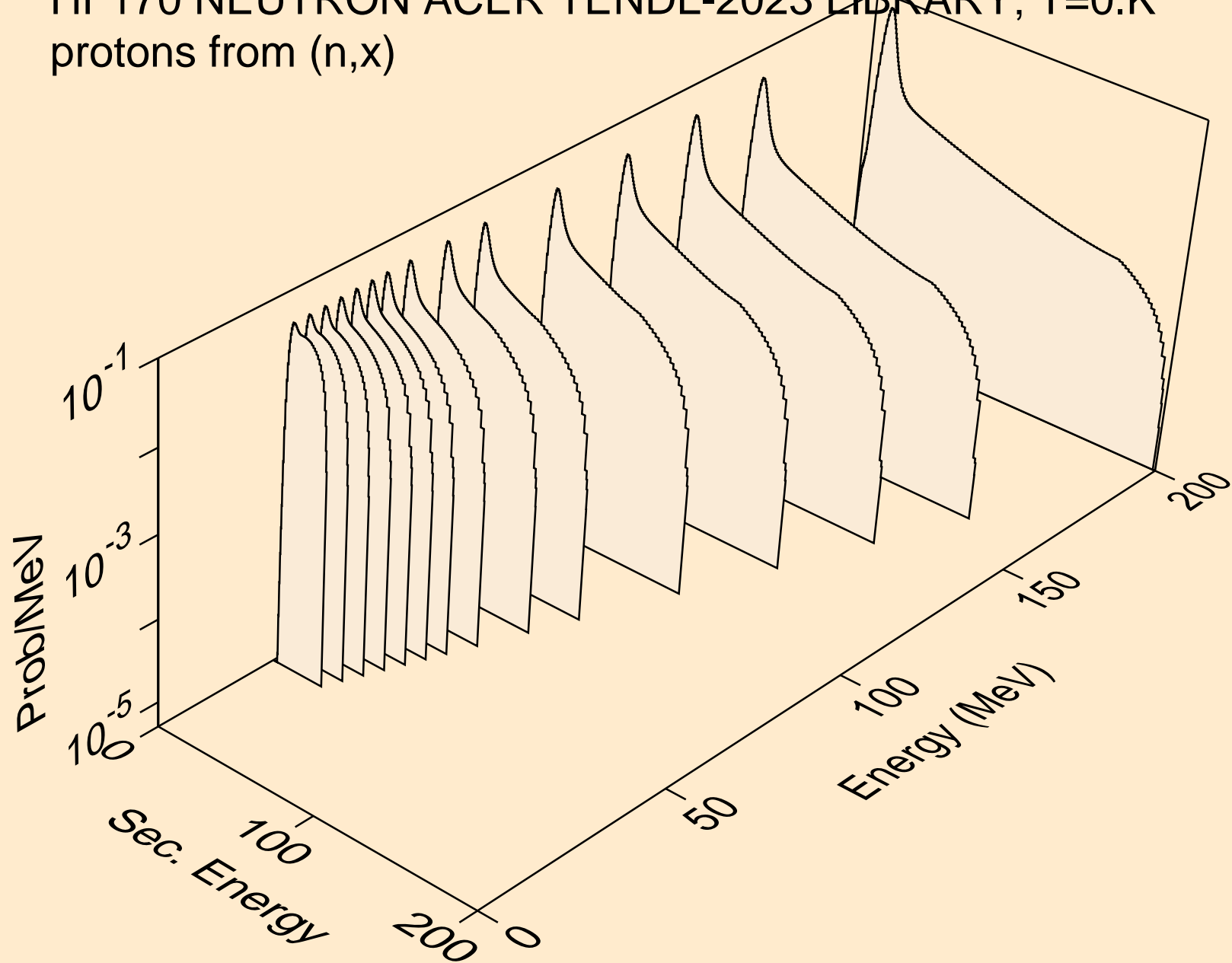


# HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

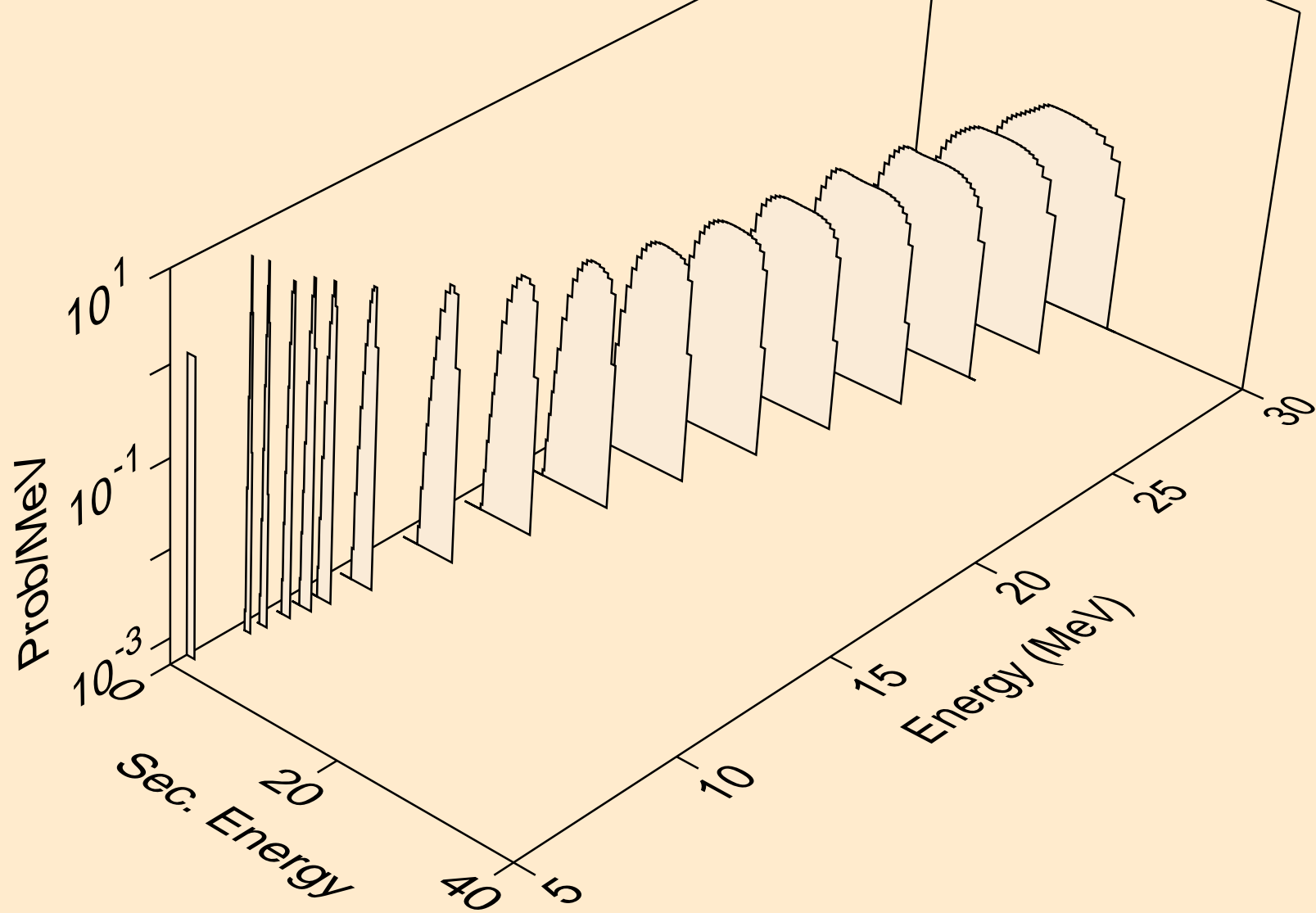
## Particle production cross sections



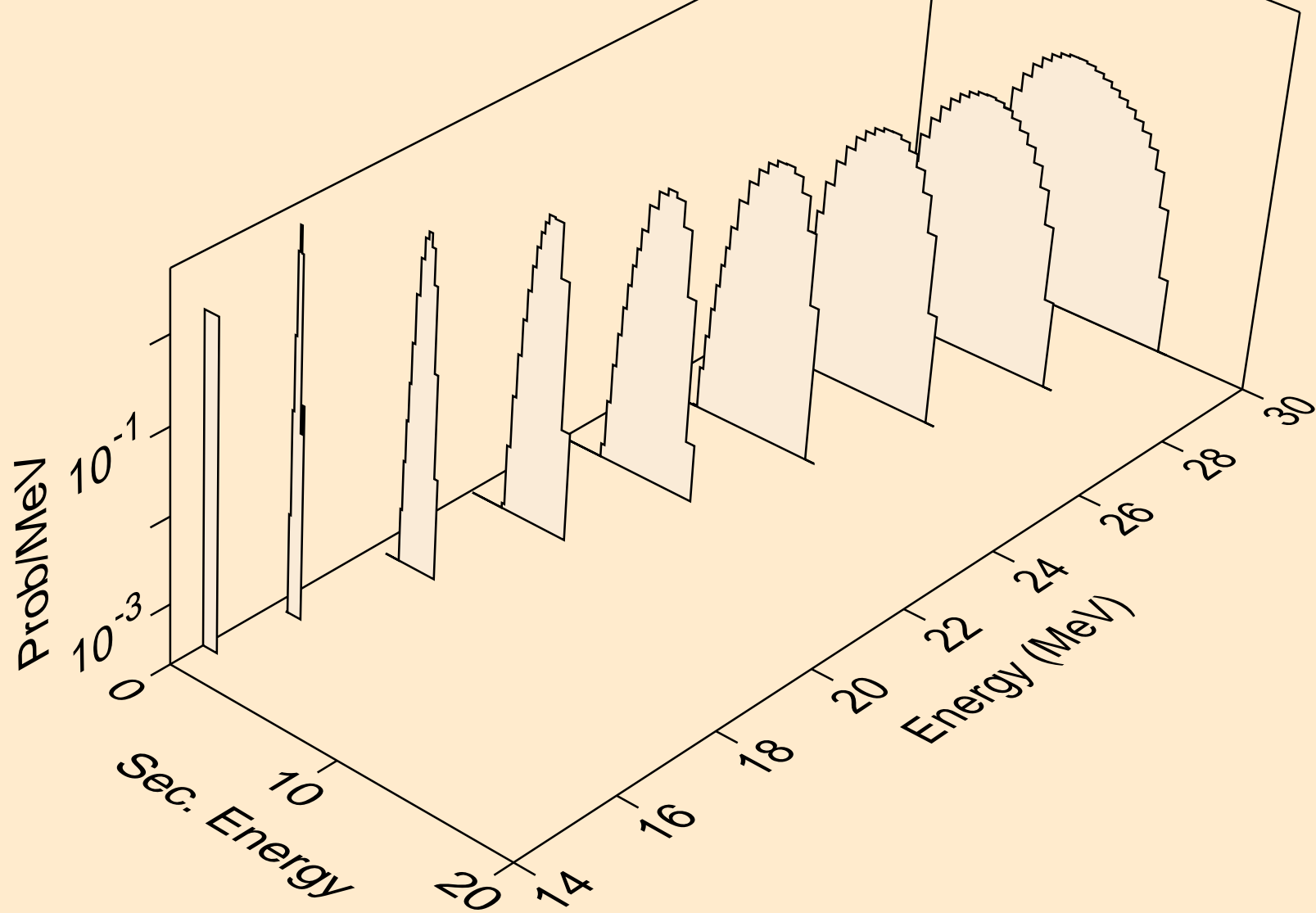
HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,x)



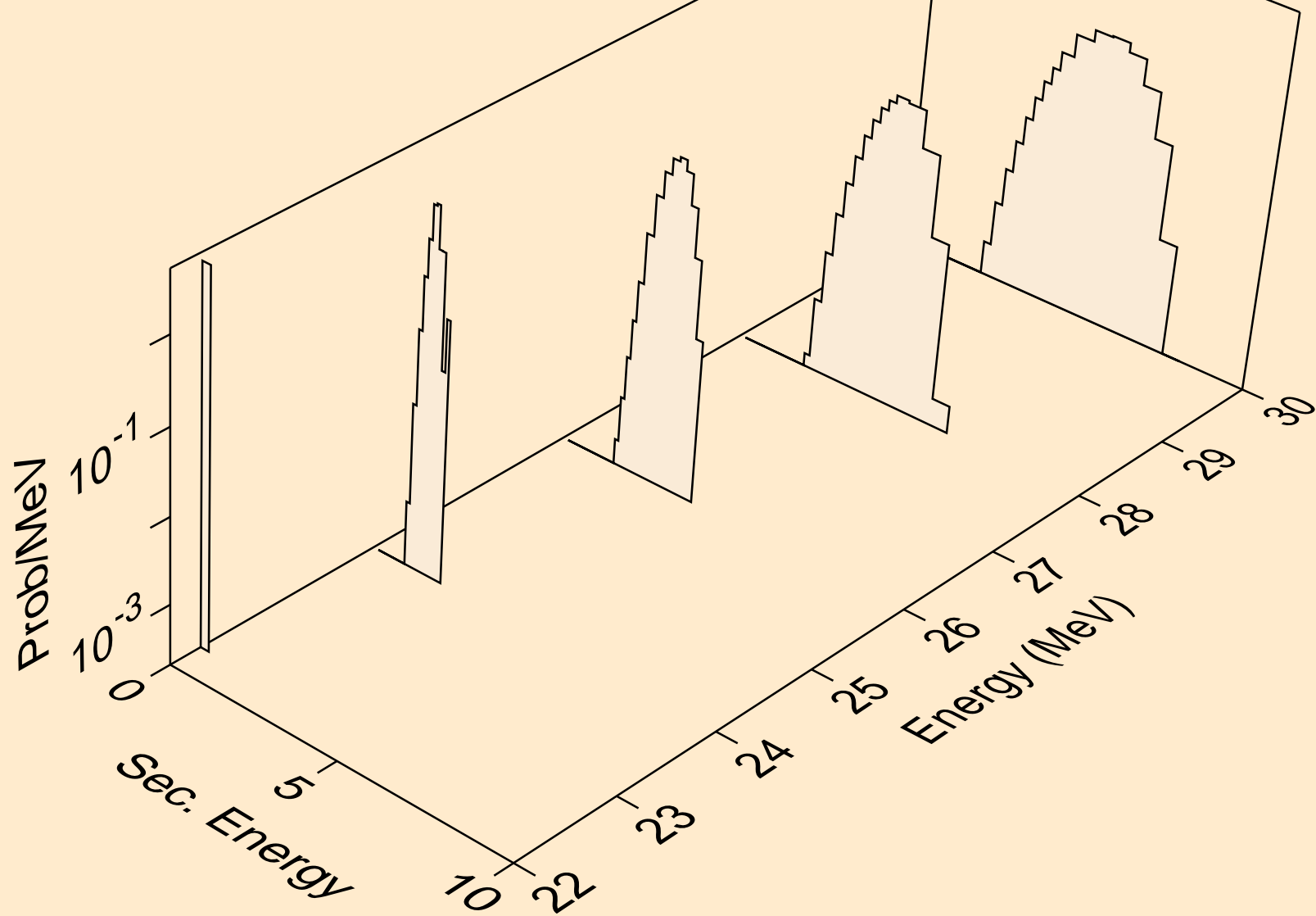
HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n\*)p



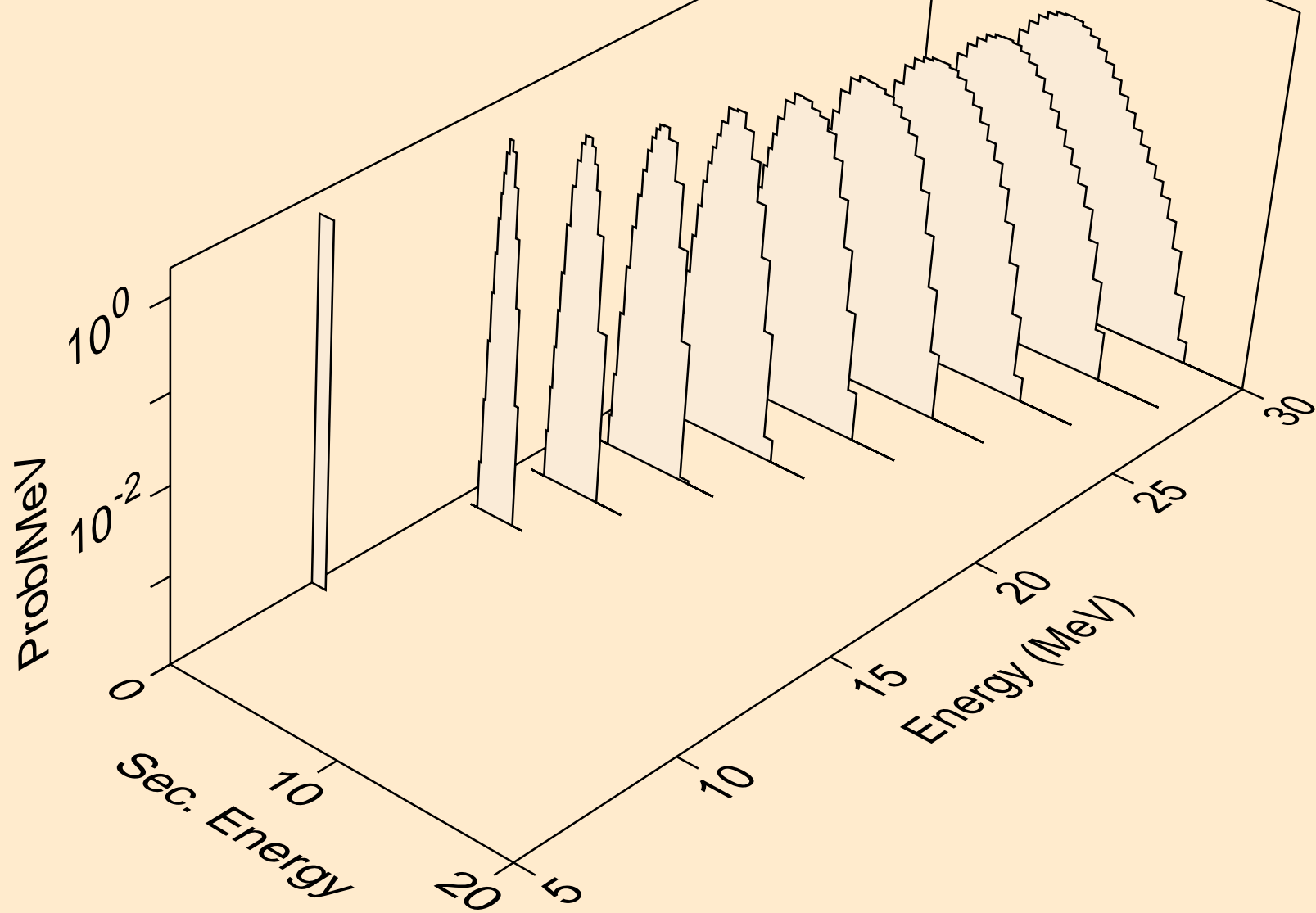
HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,2np)



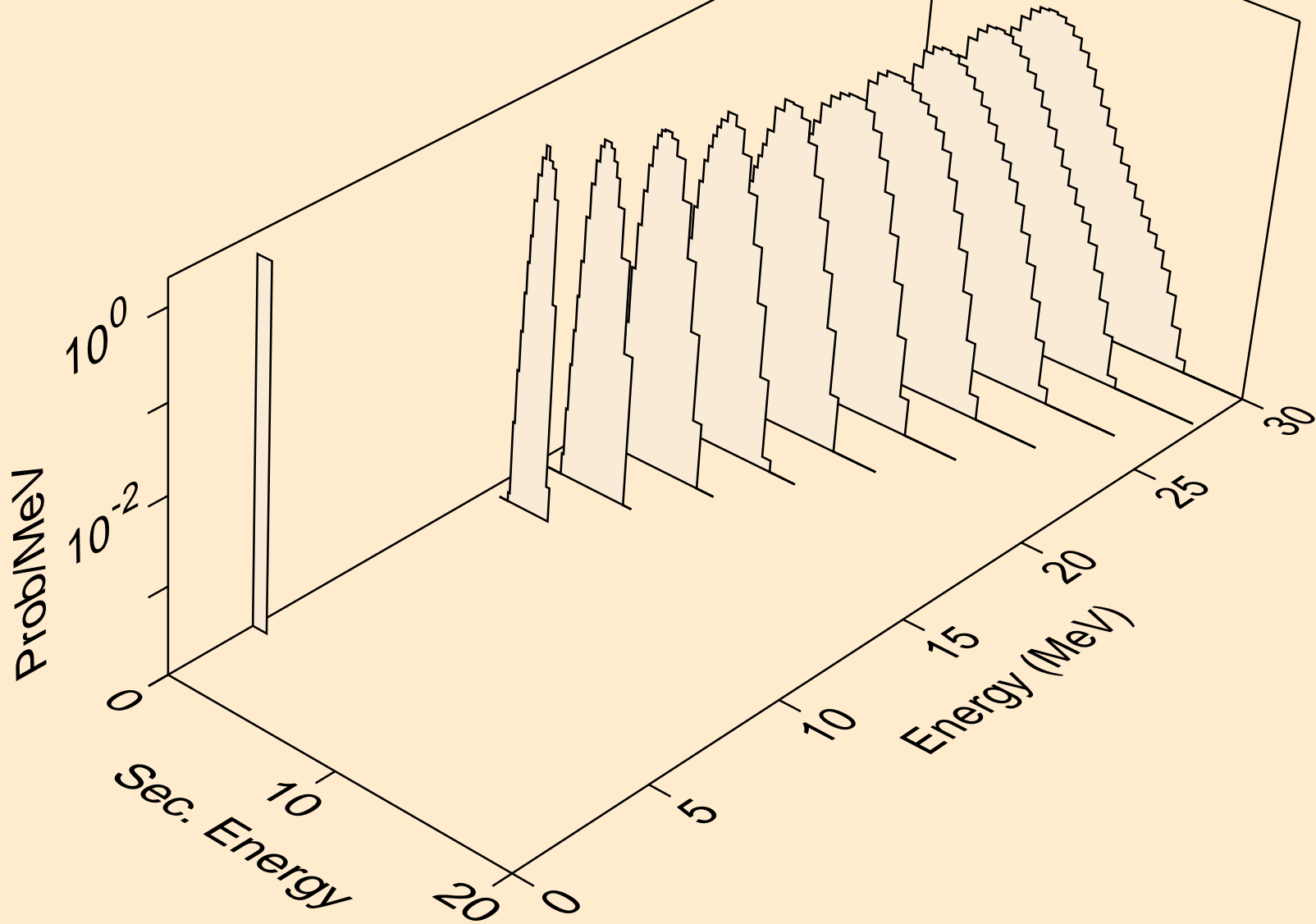
HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,3np)



HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n2p)

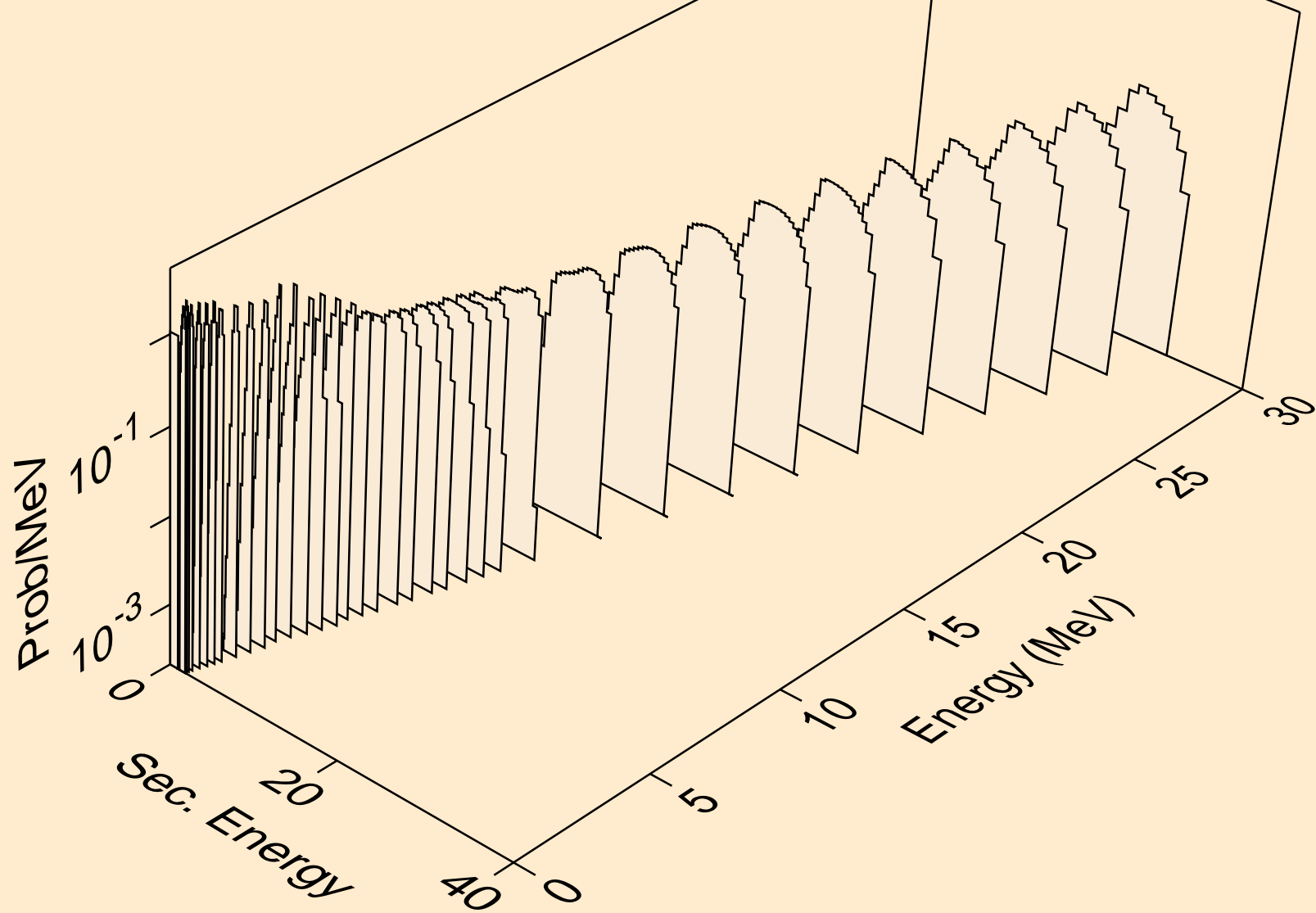


HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,npa)

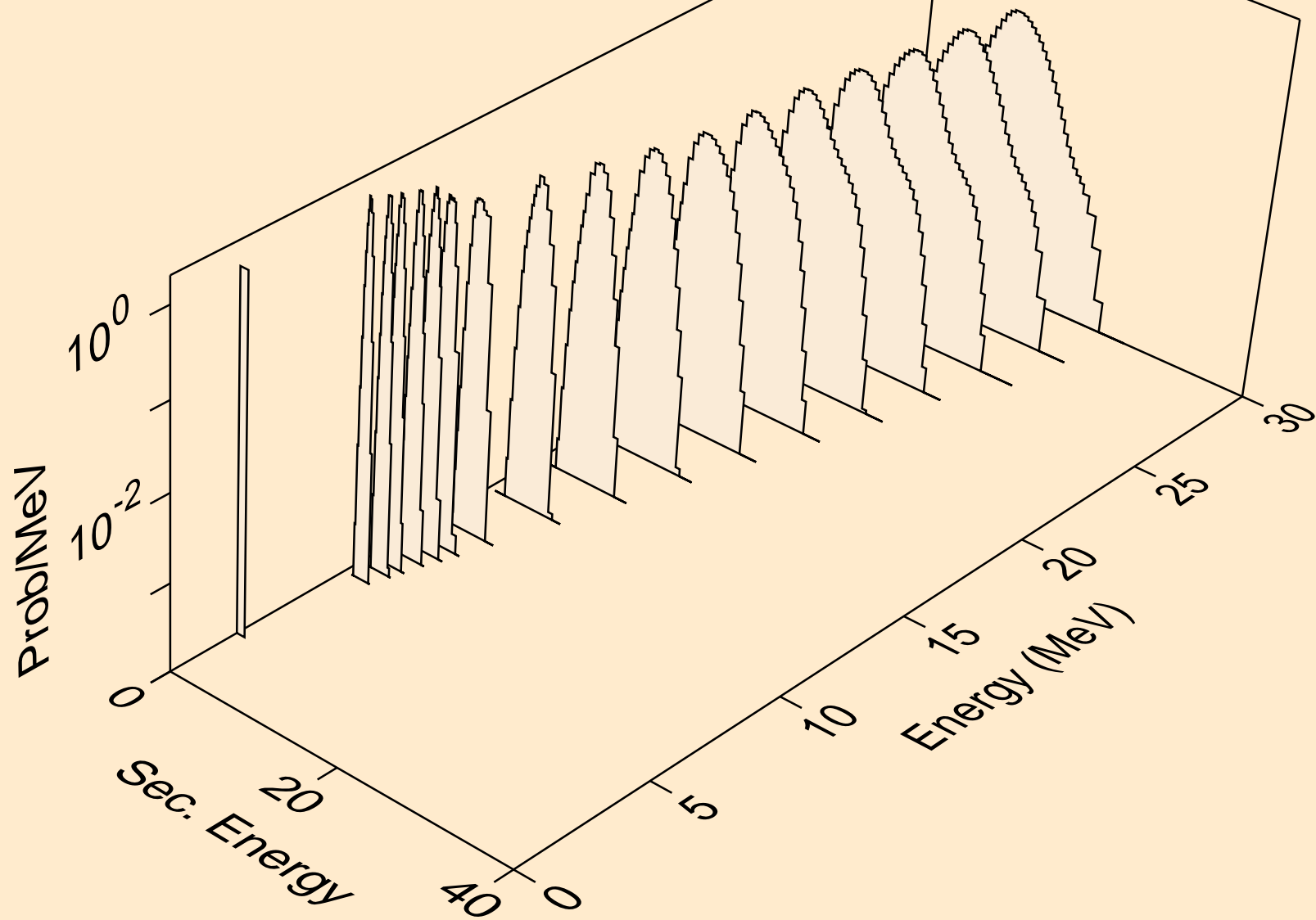




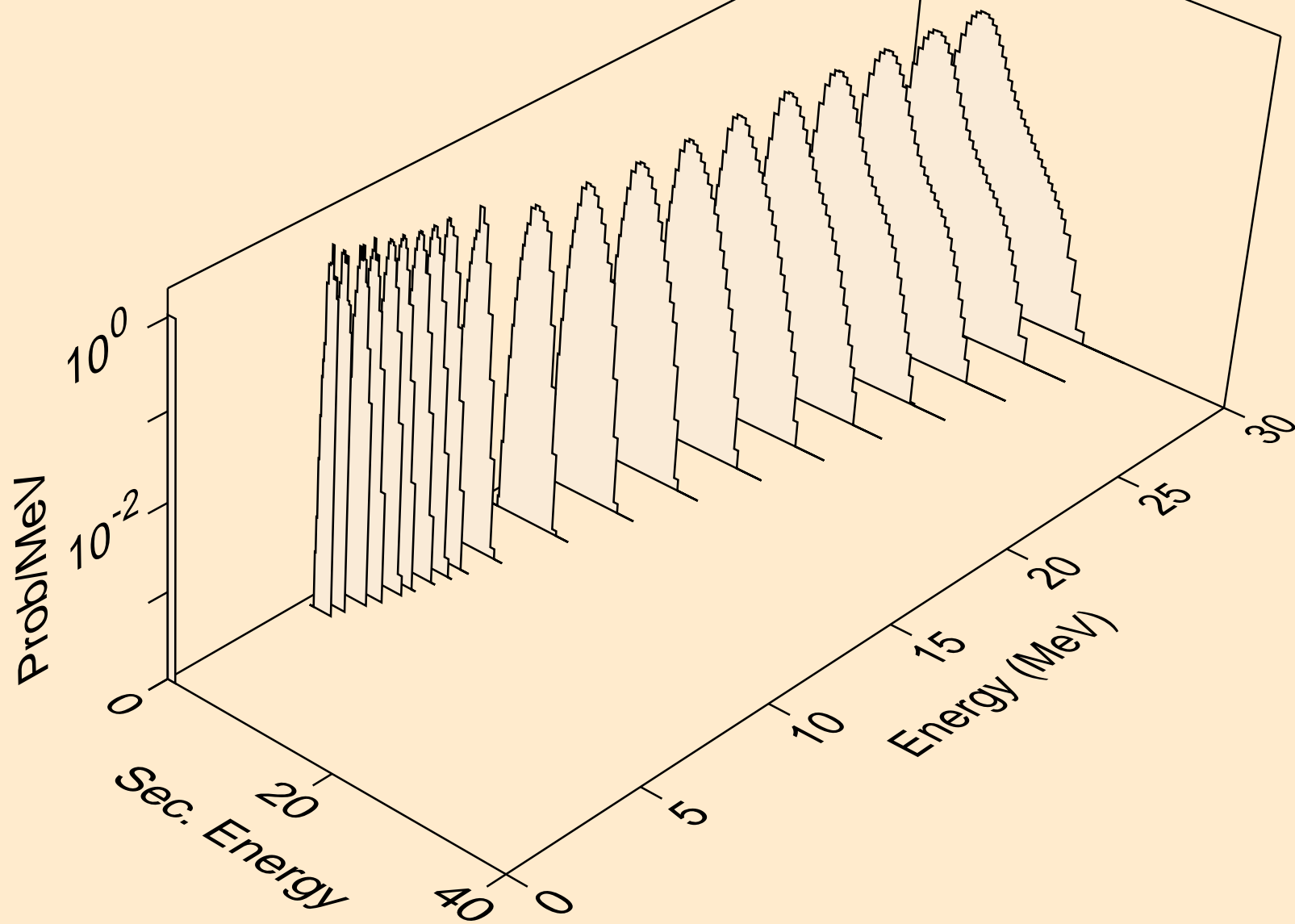
HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,p)



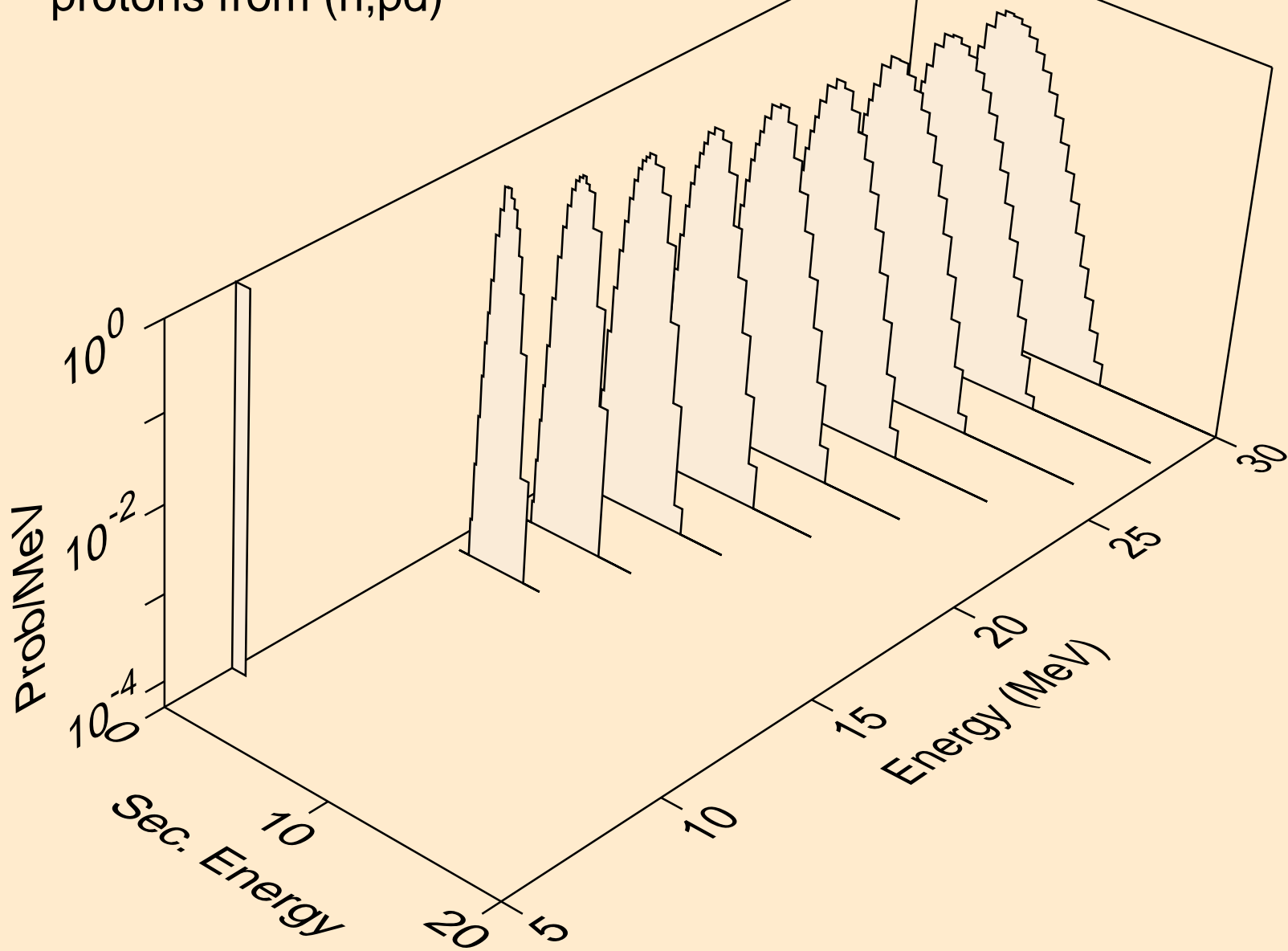
HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,2p)



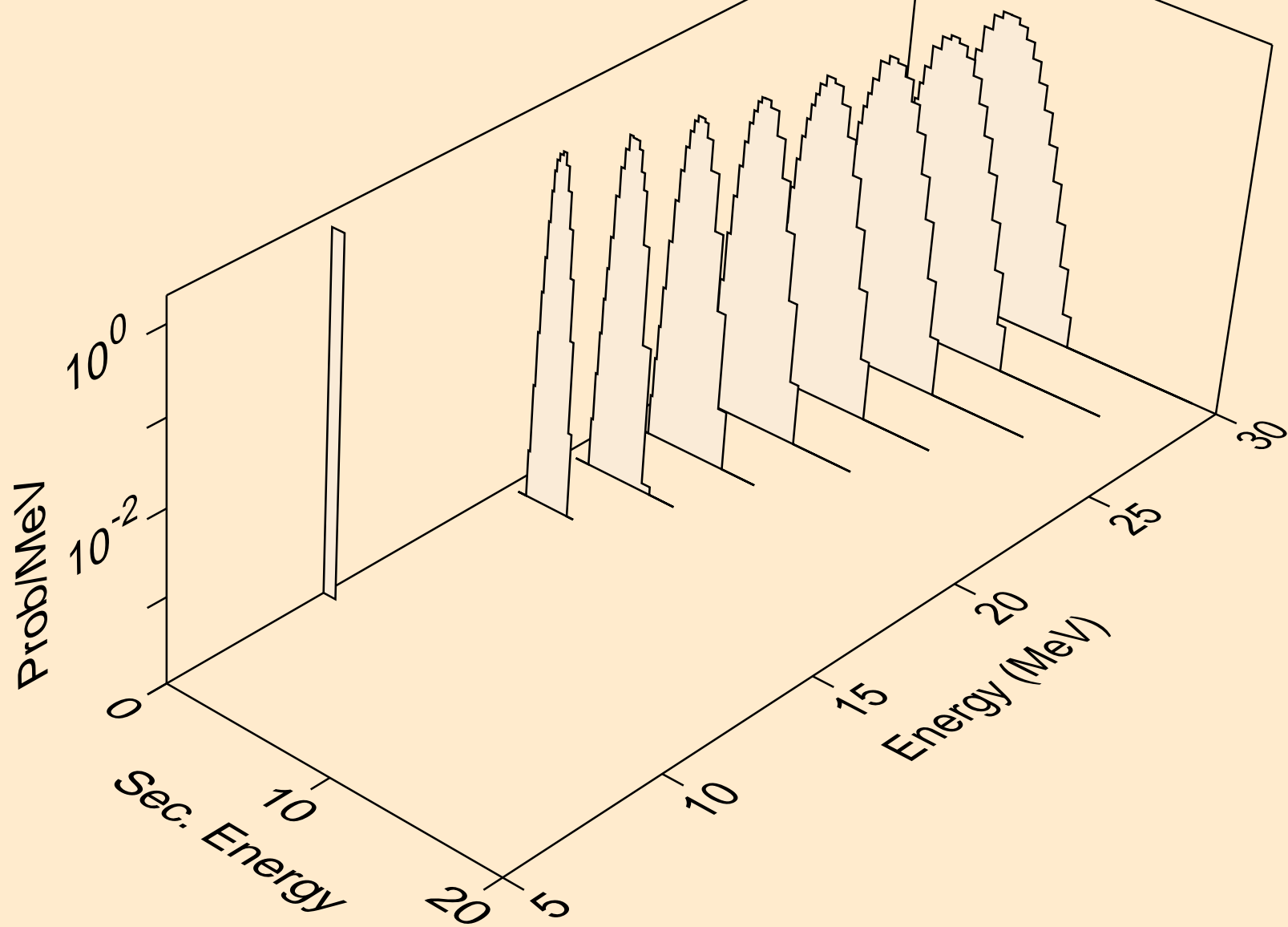
HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,p)



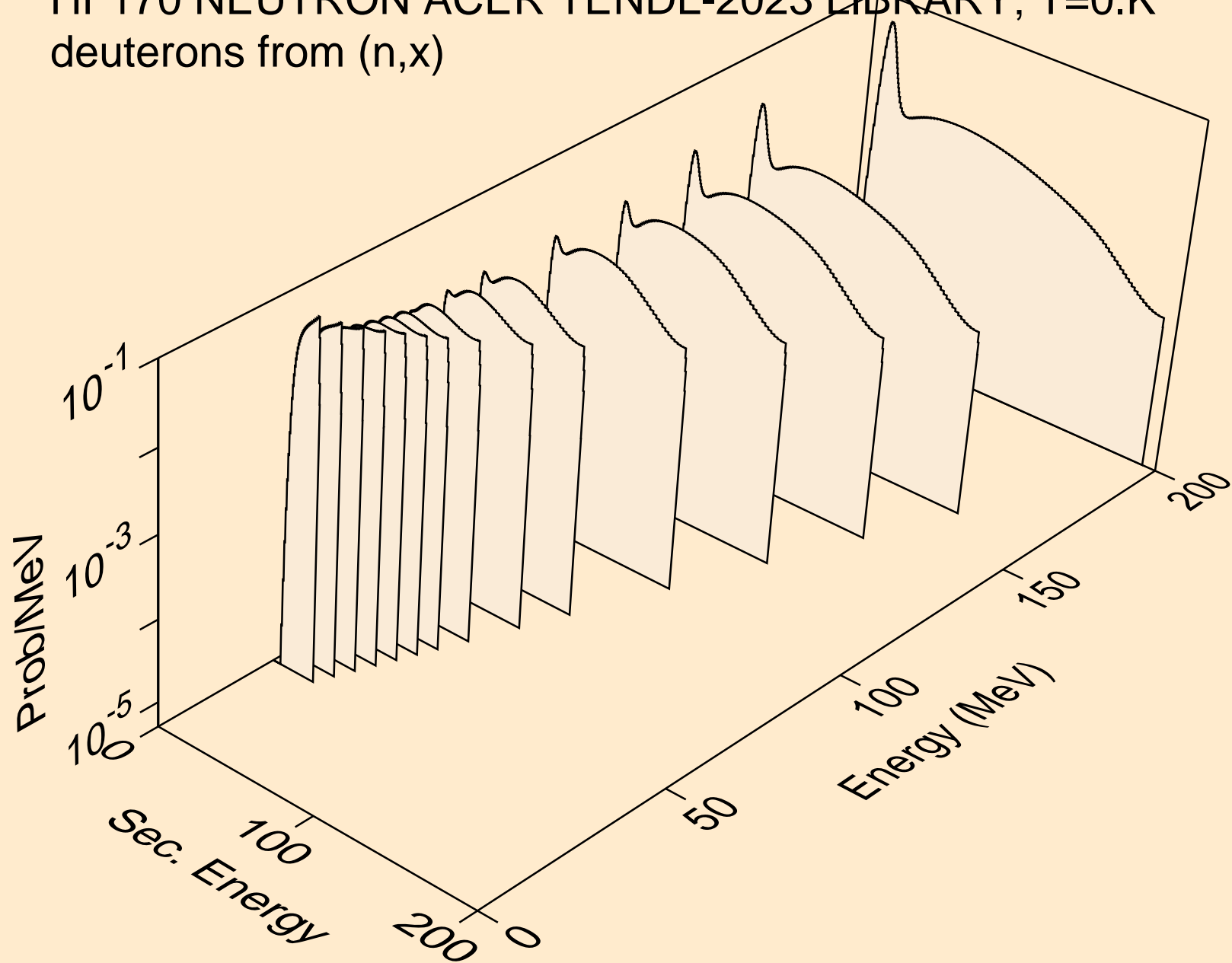
HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,pd)



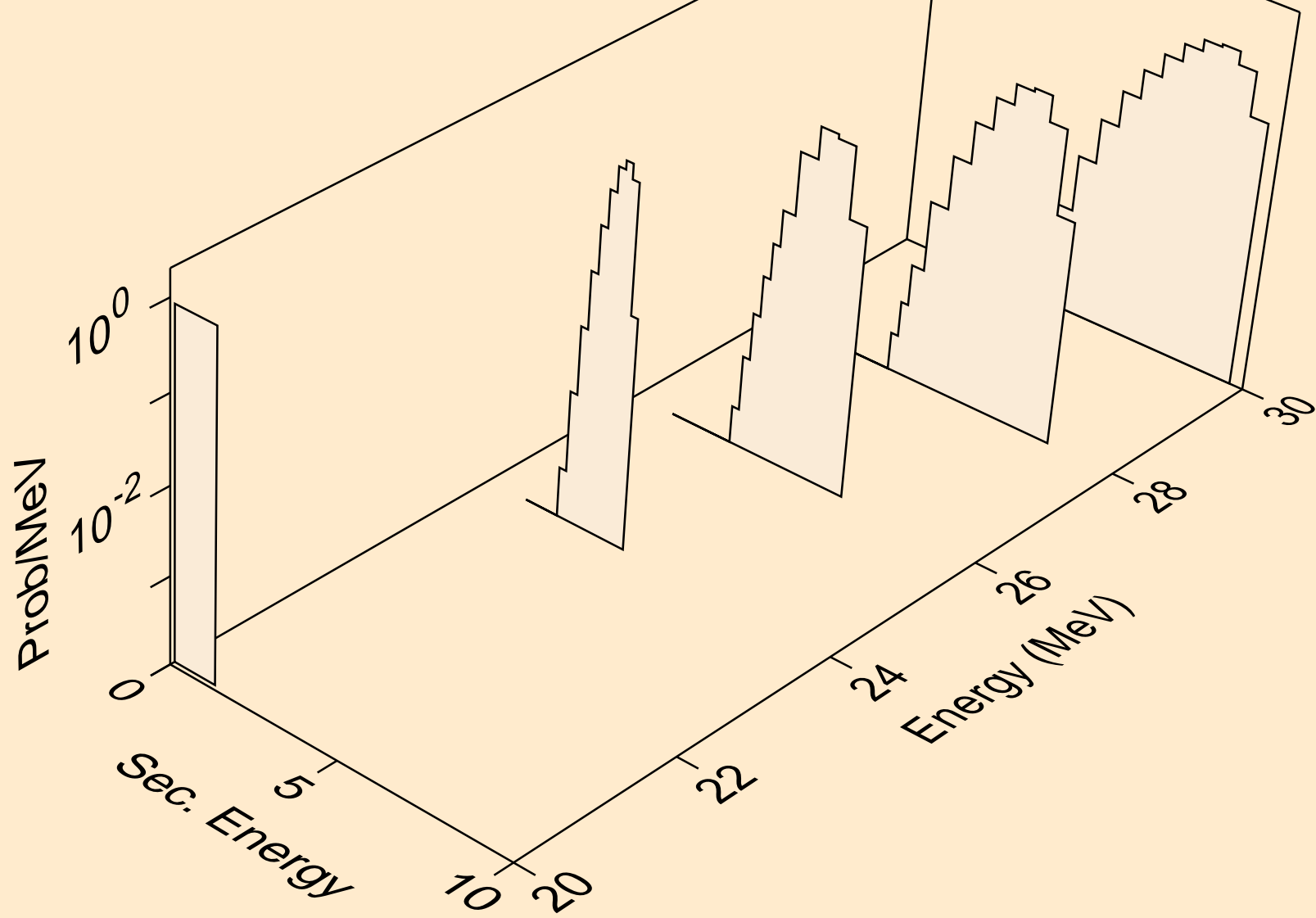
HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,pt)



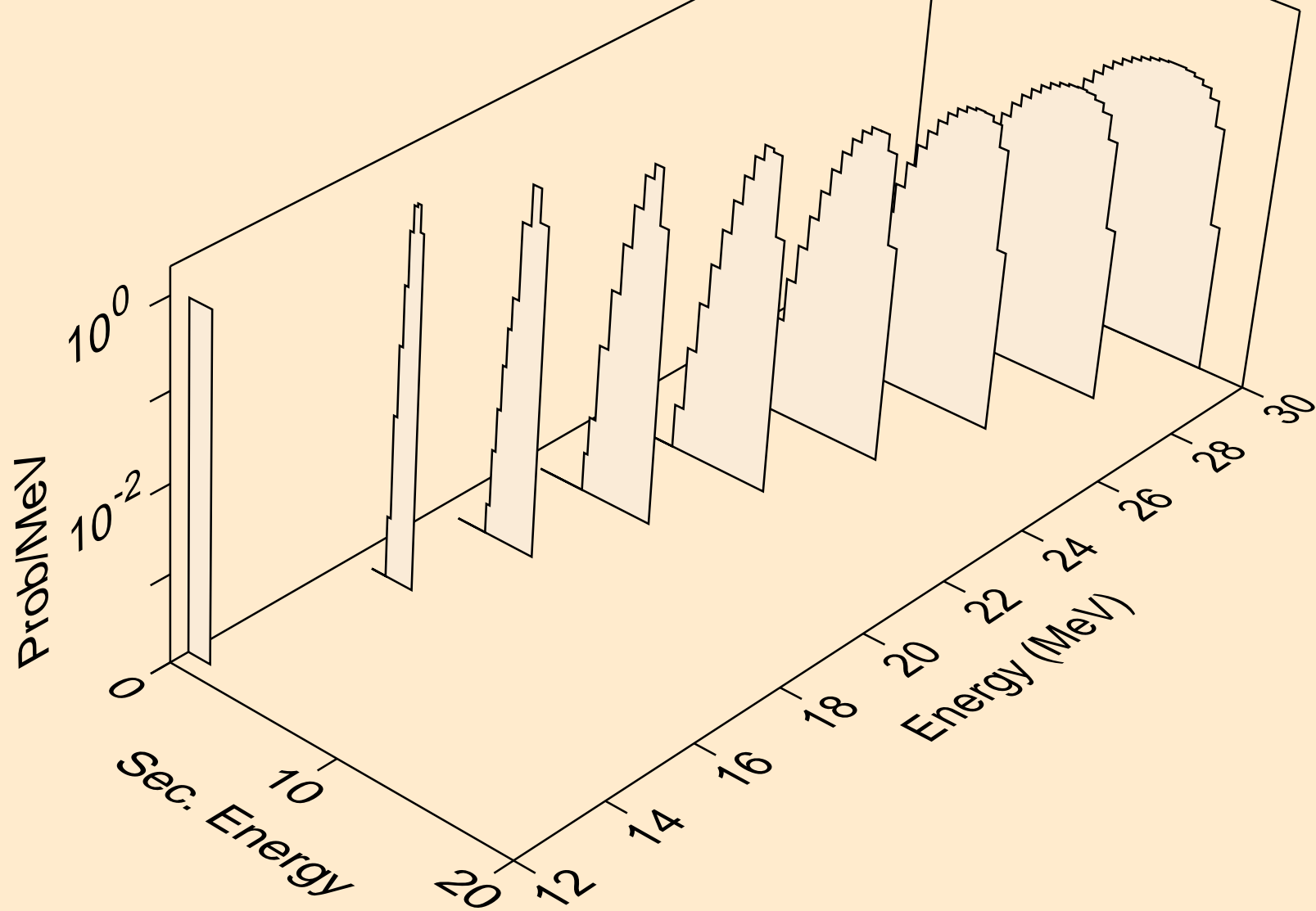
HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,x)



HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,2nd)

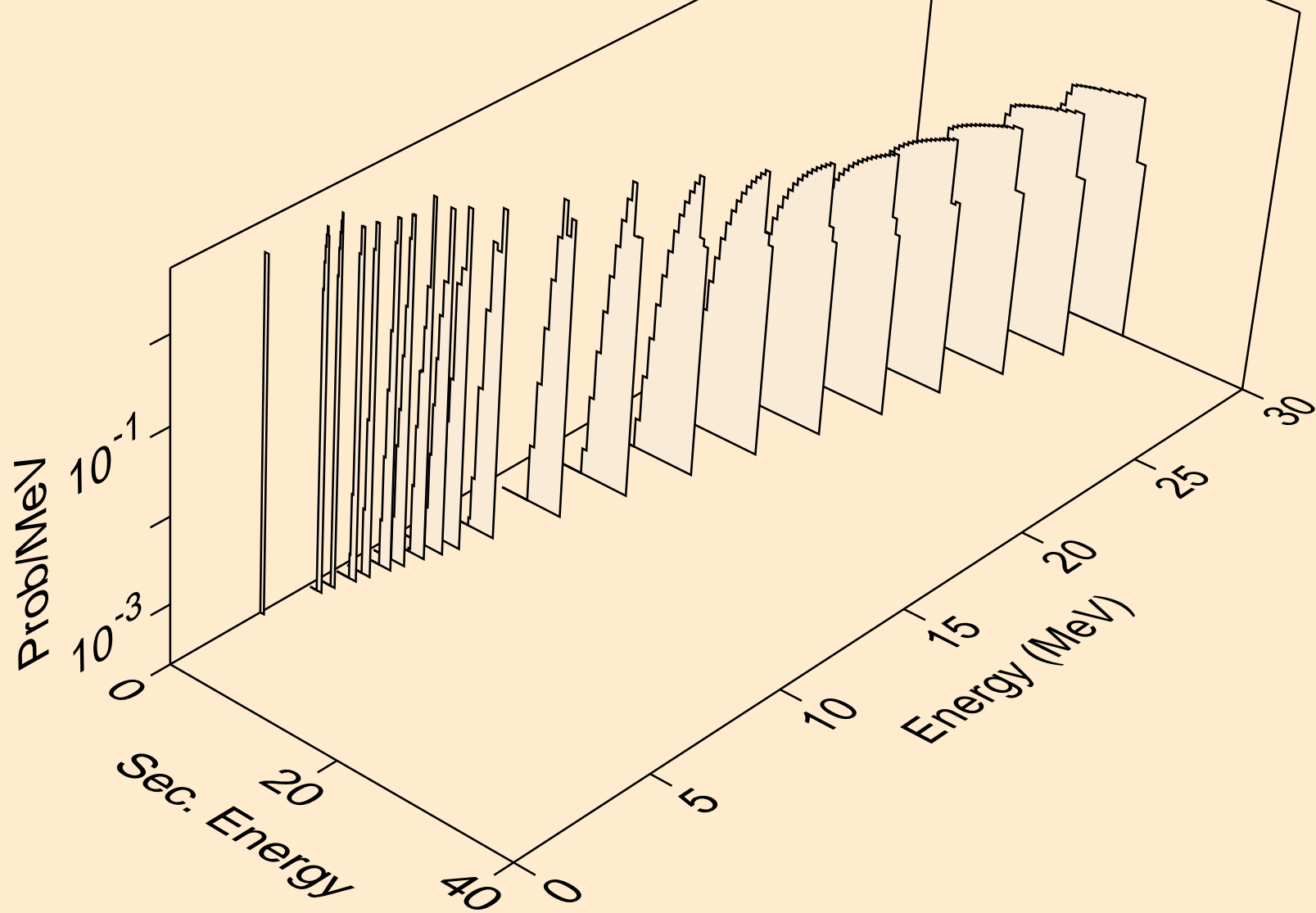


HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,n\*)d

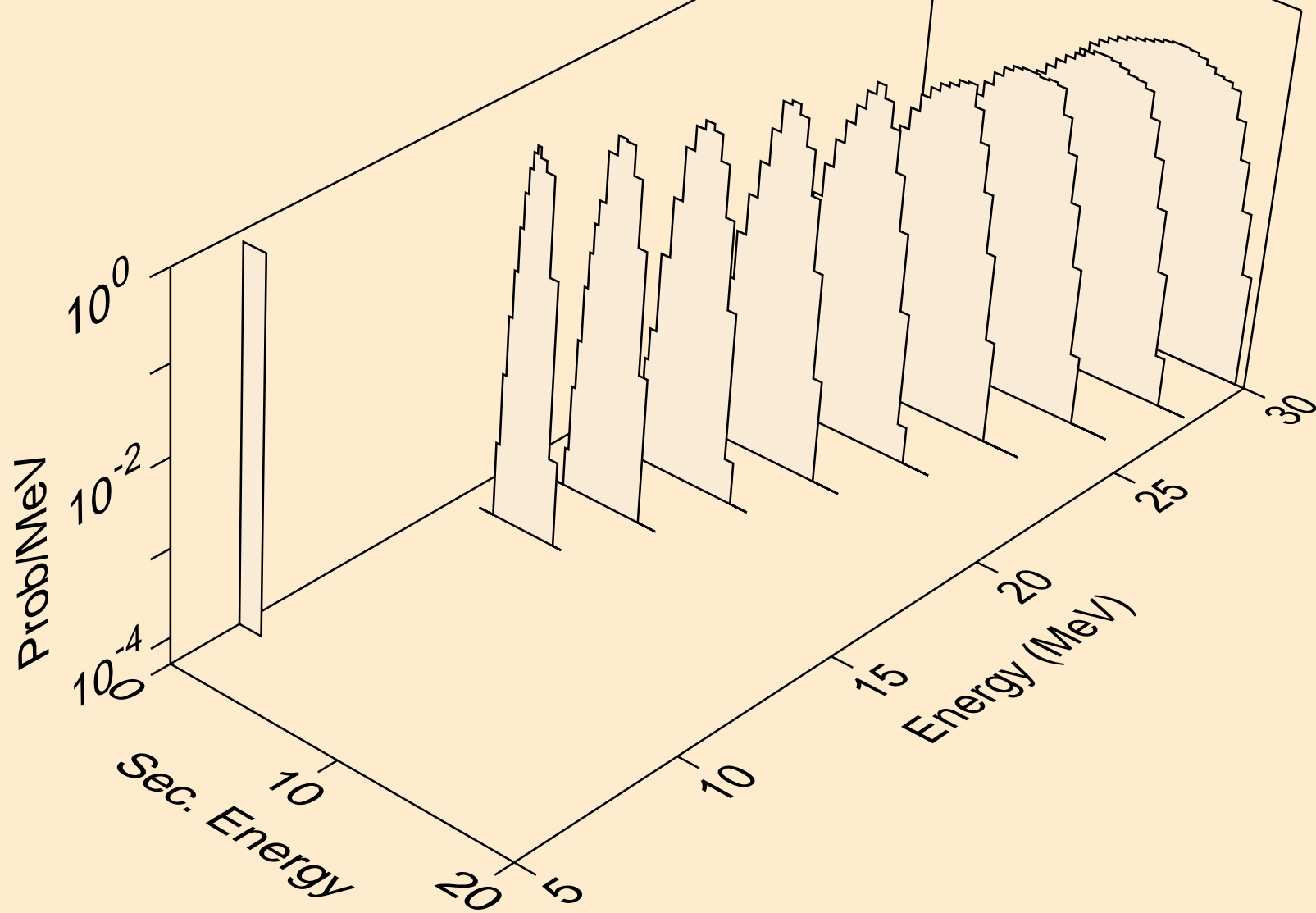




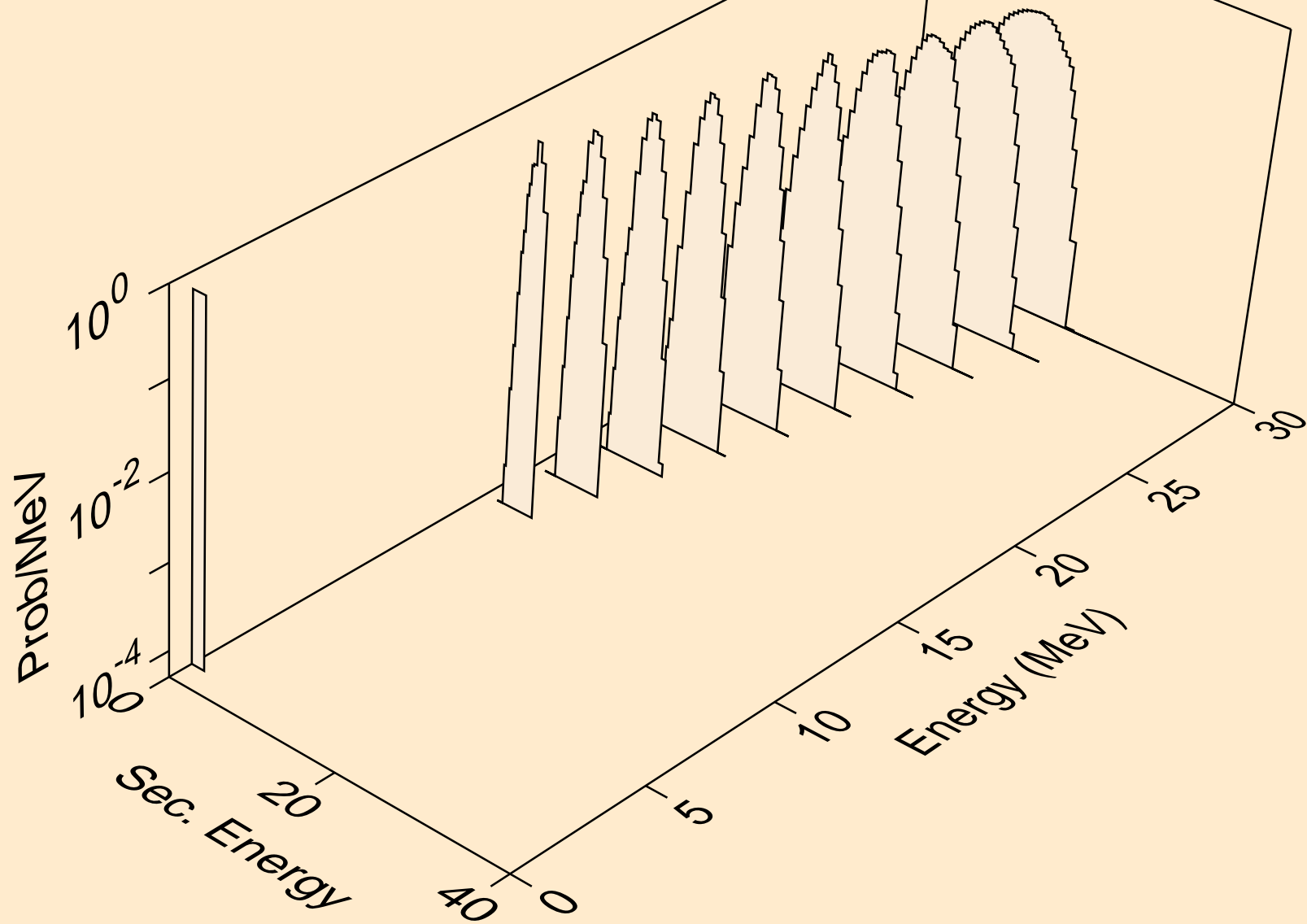
HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,d)



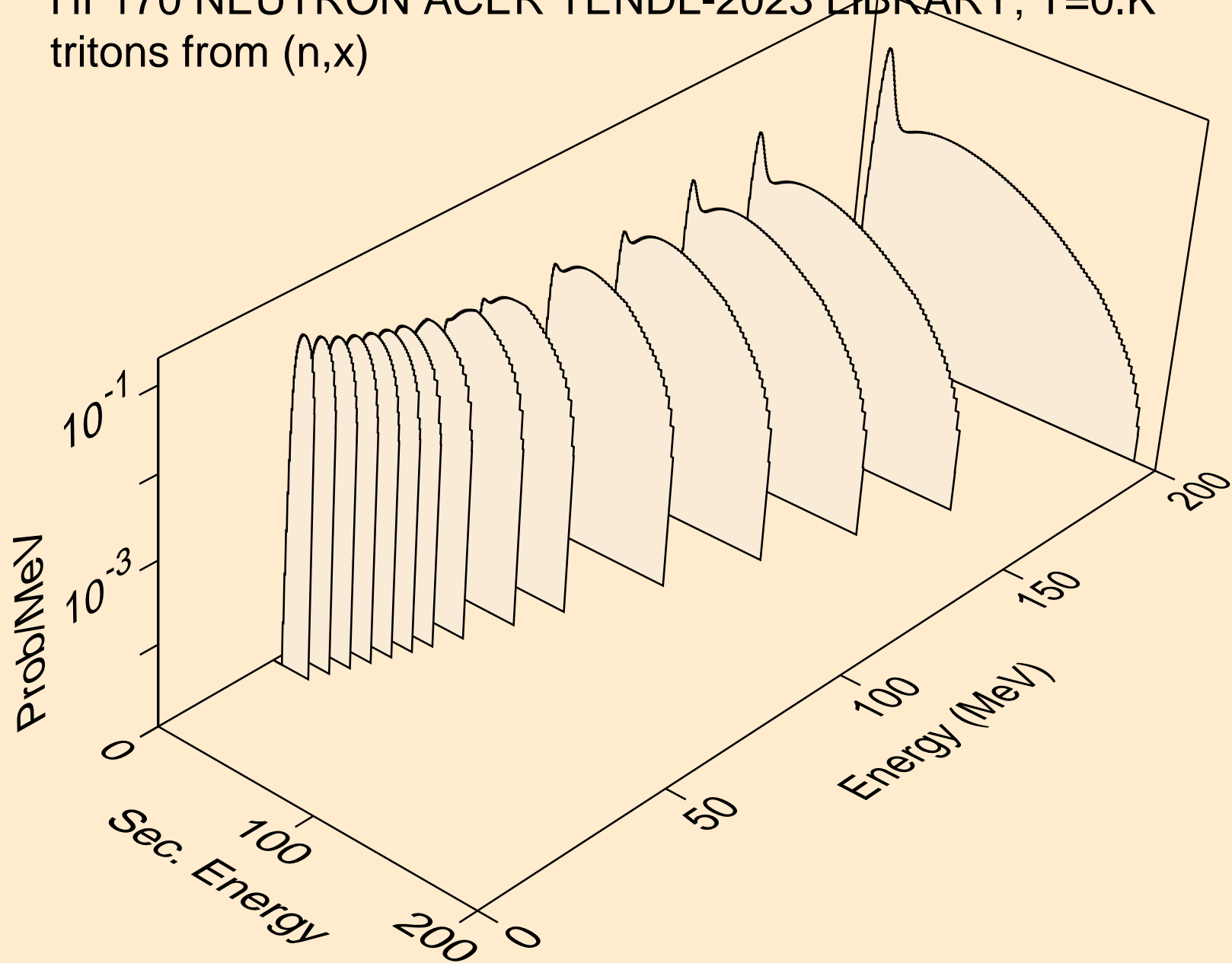
HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,pd)



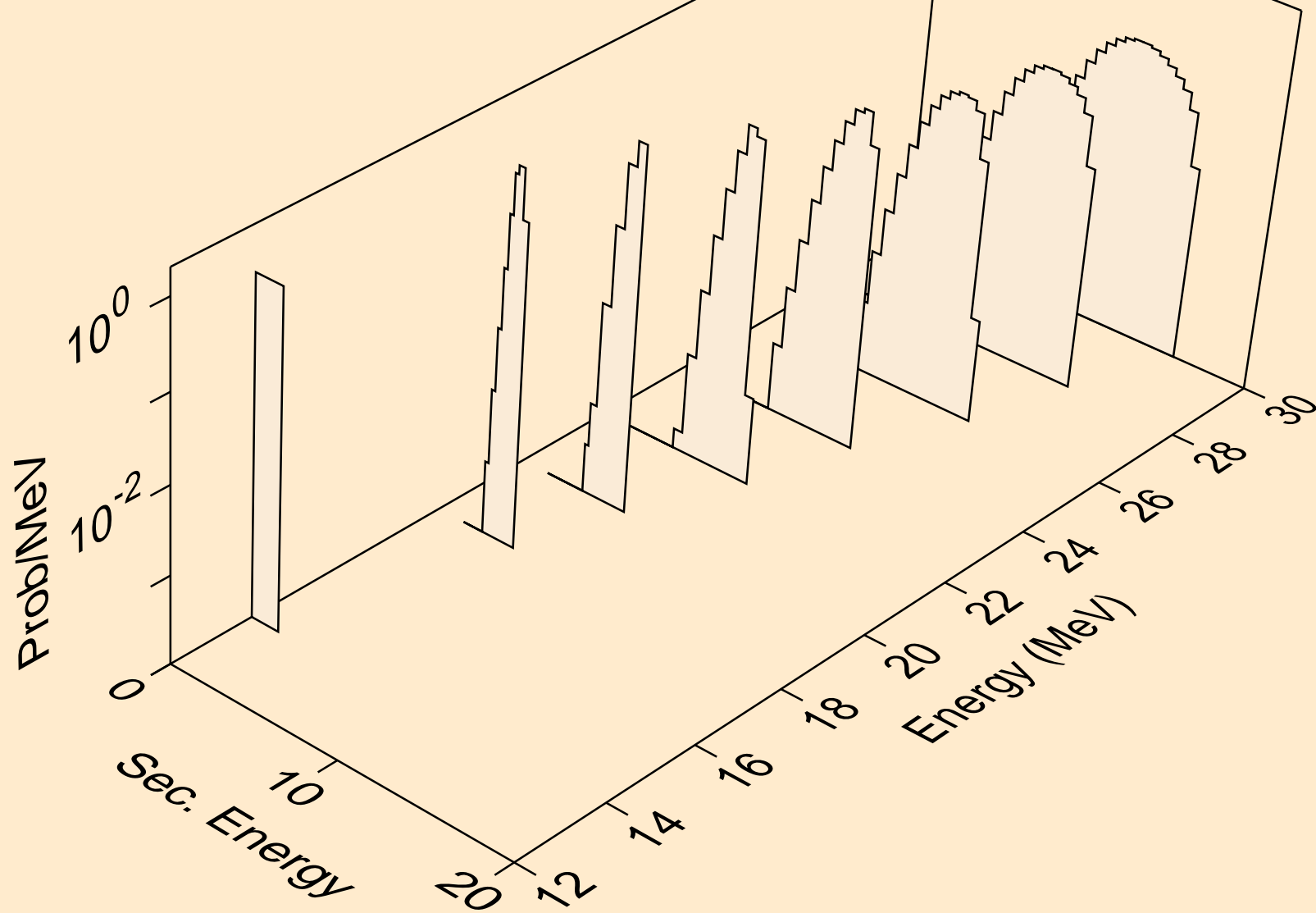
HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,da)



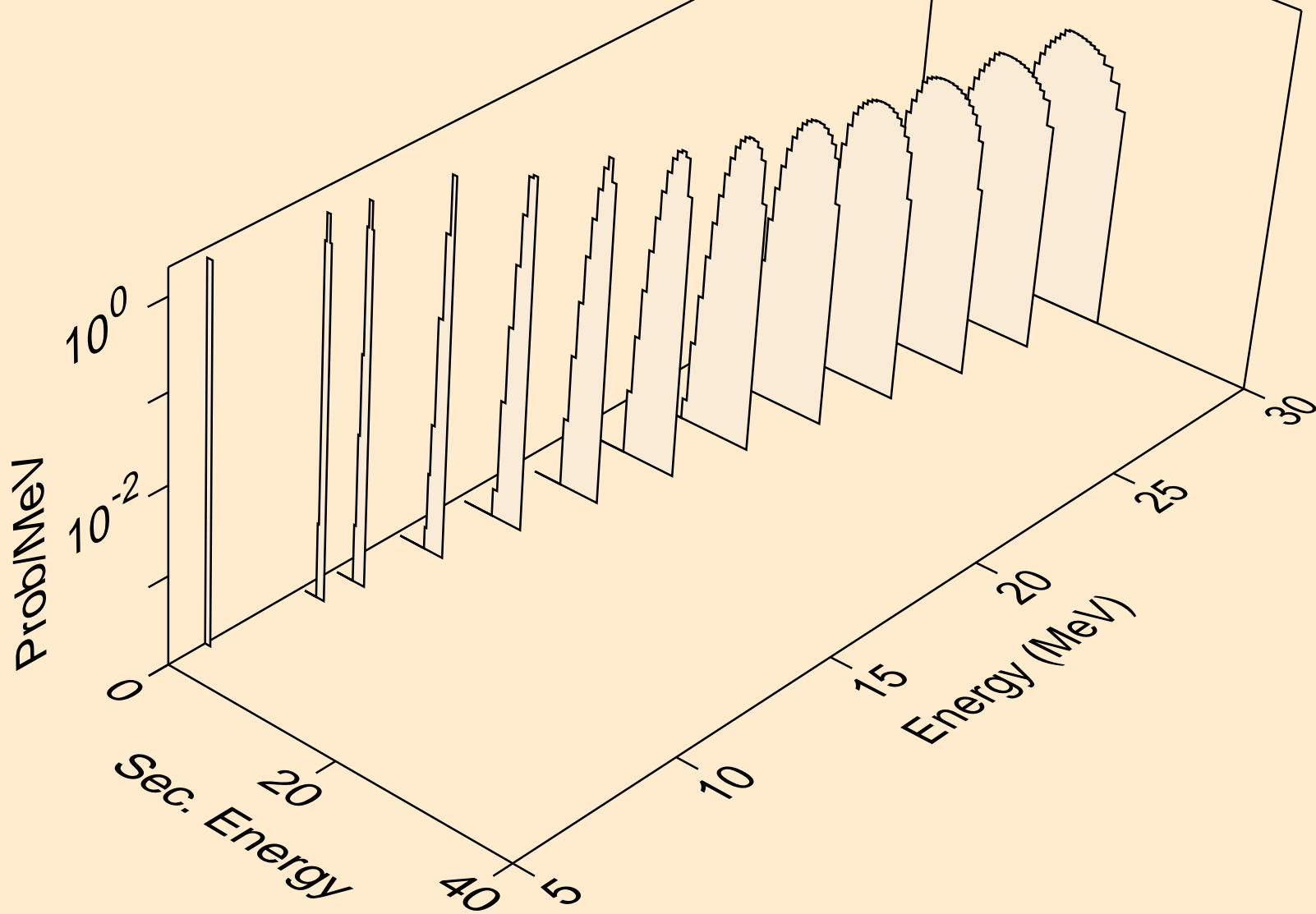
HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,x)



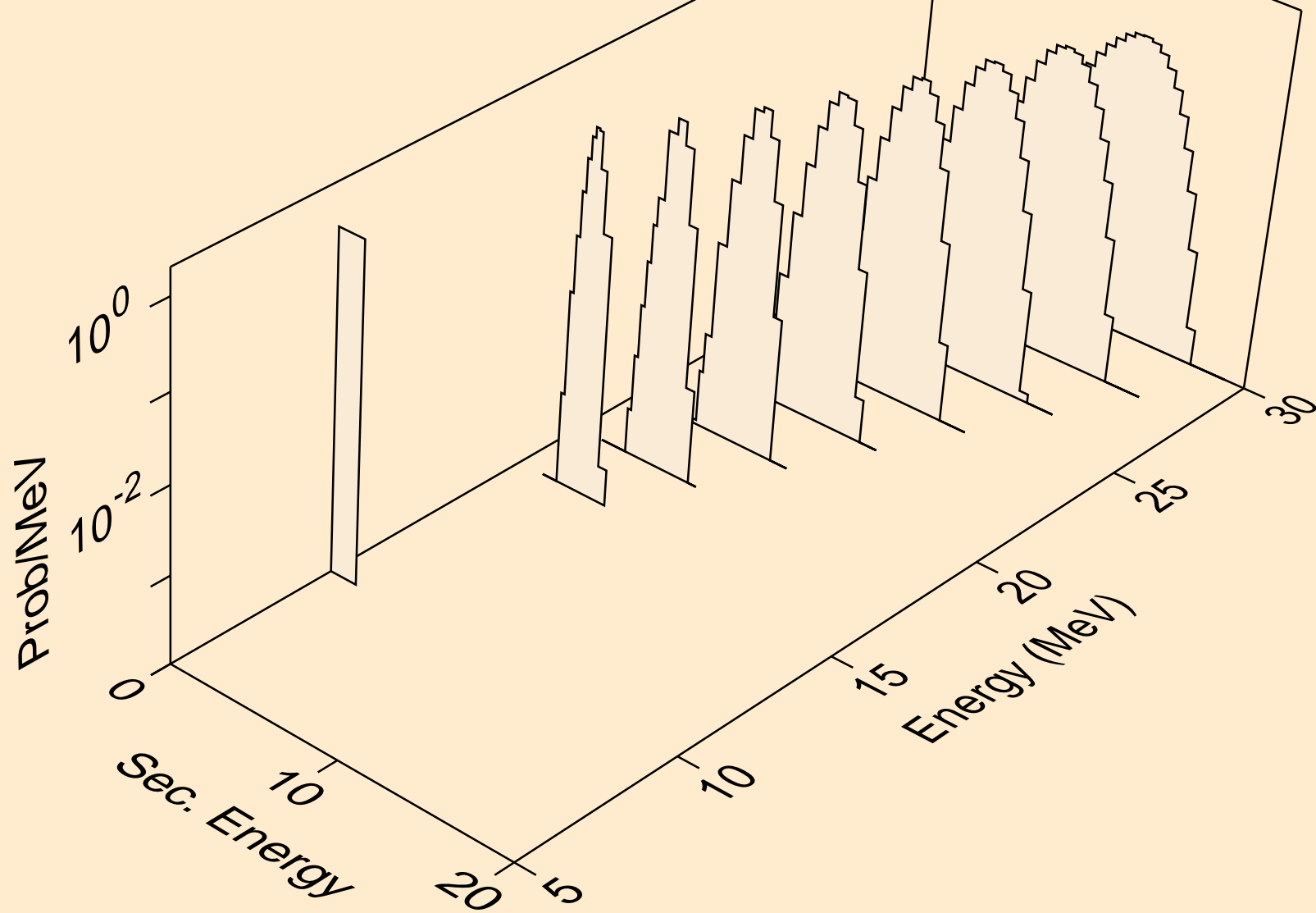
HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,n\*)t



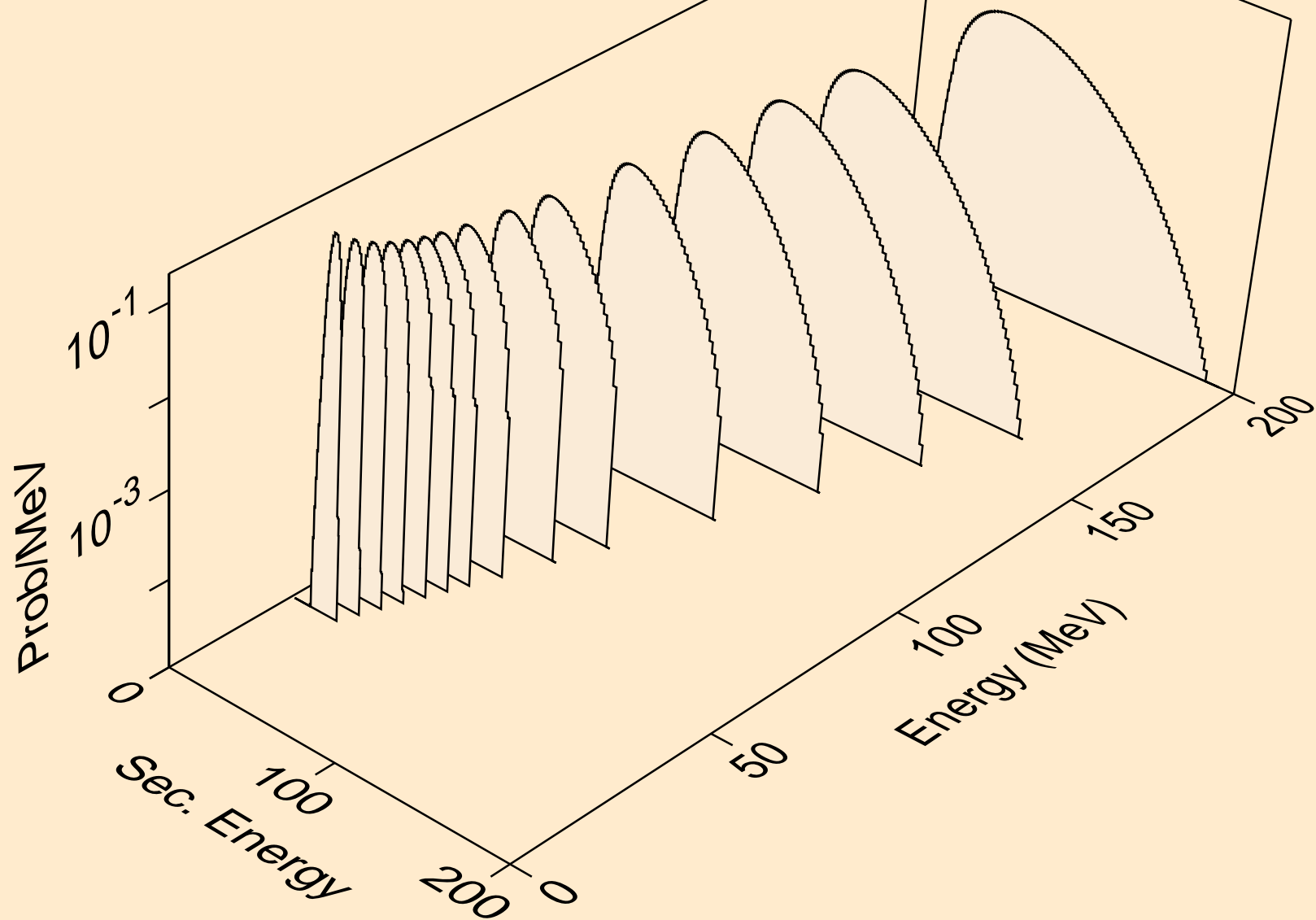
HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,t)



HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,pt)

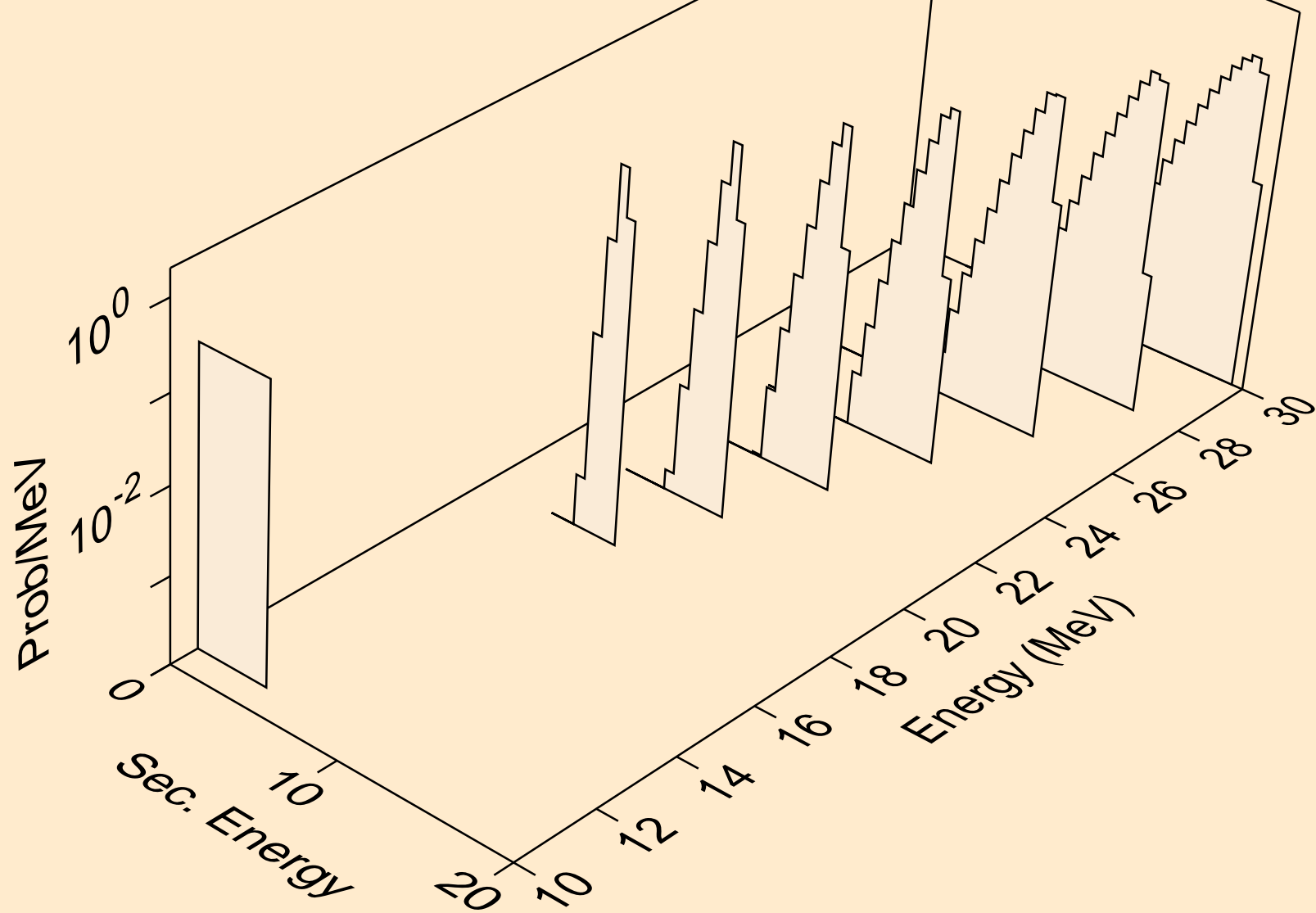


HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,x)

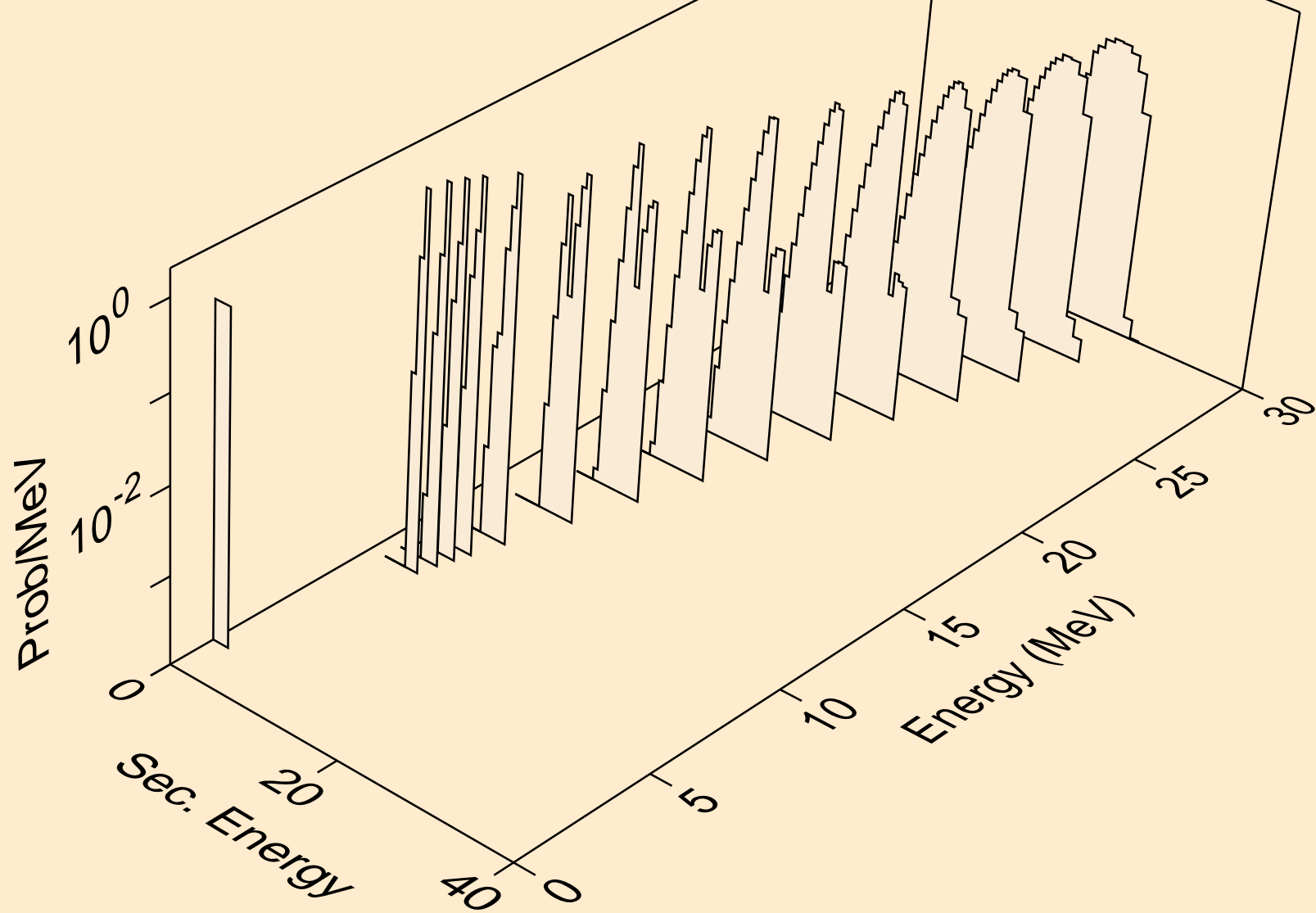




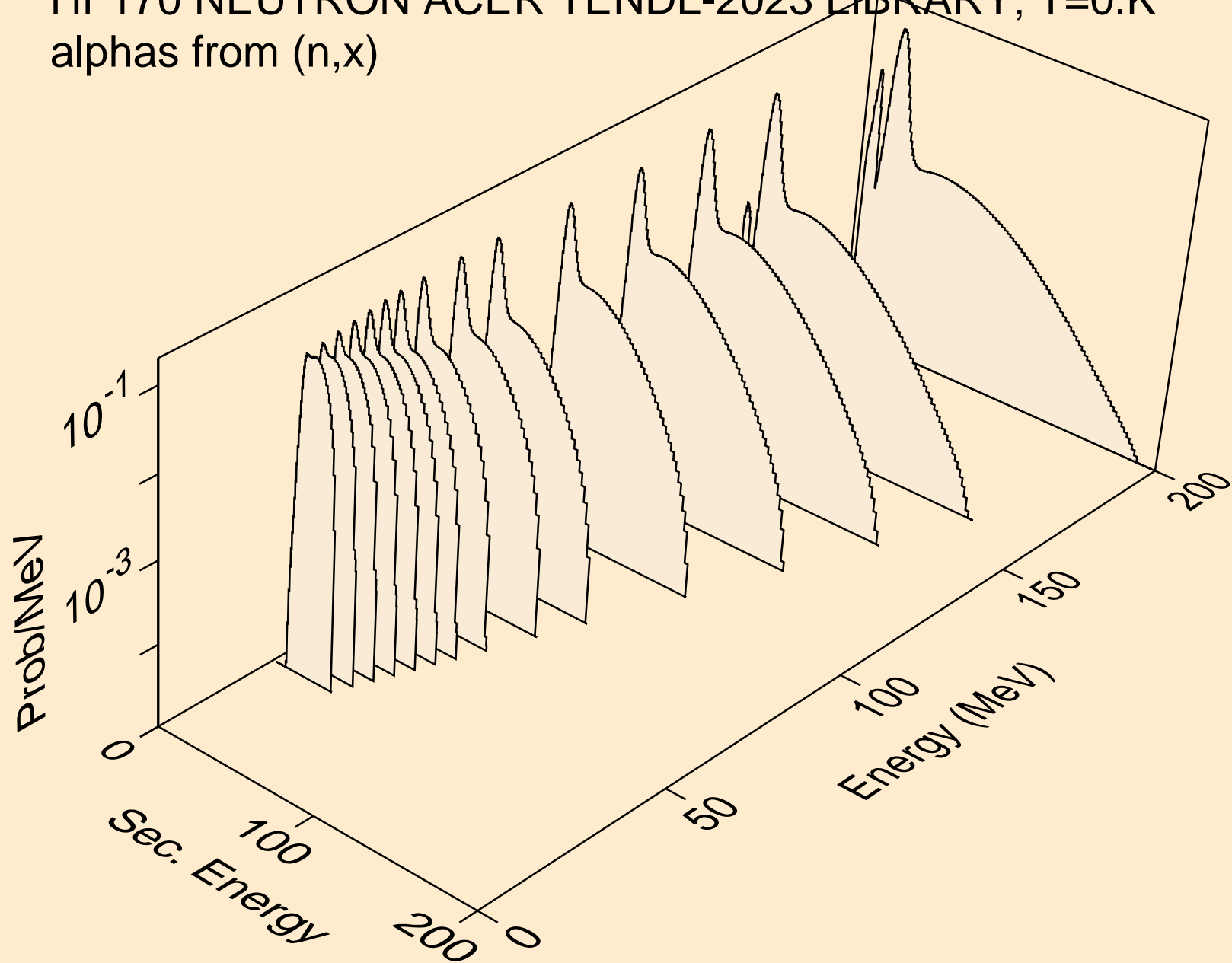
HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,n\*)he3



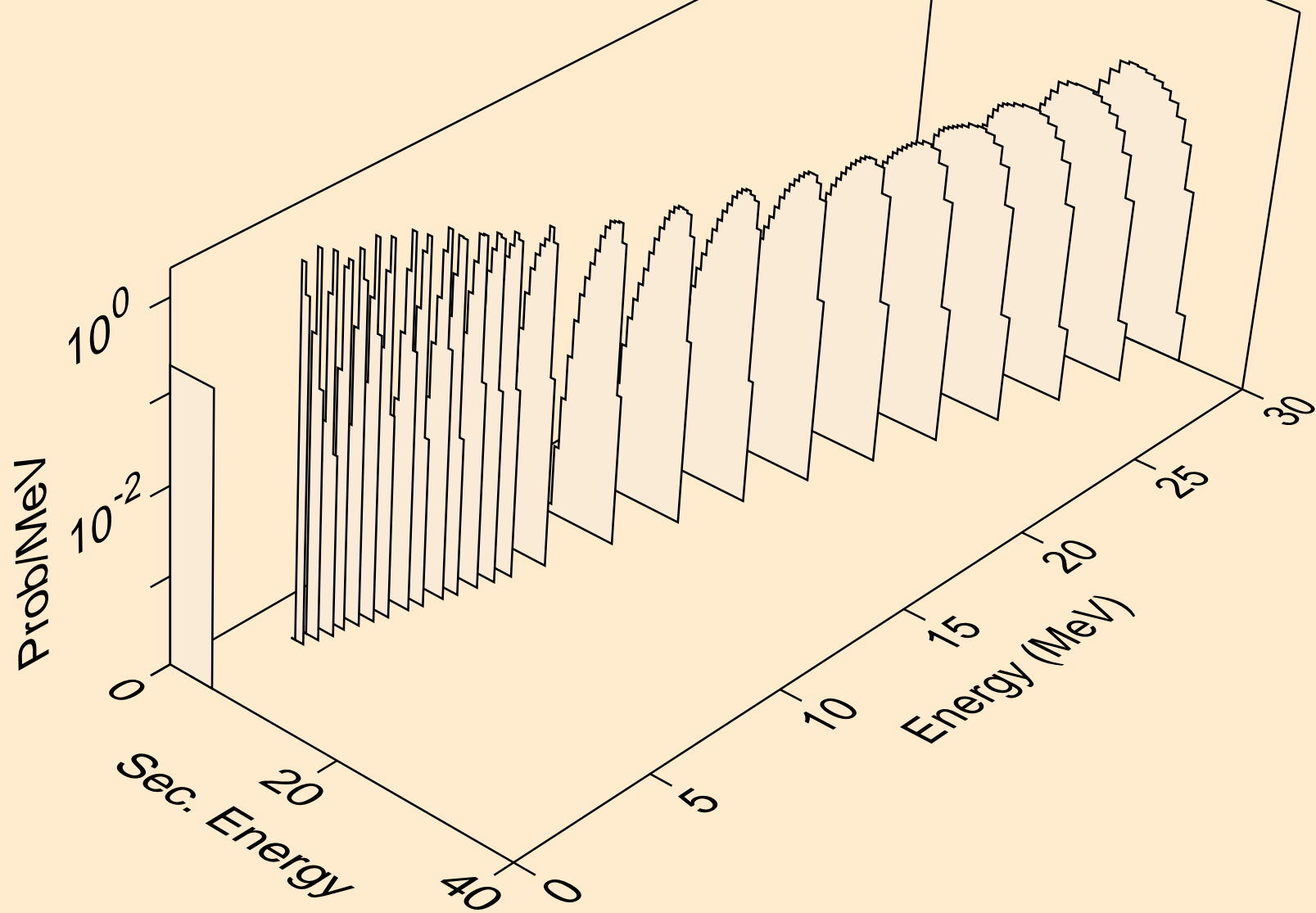
HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,he3)



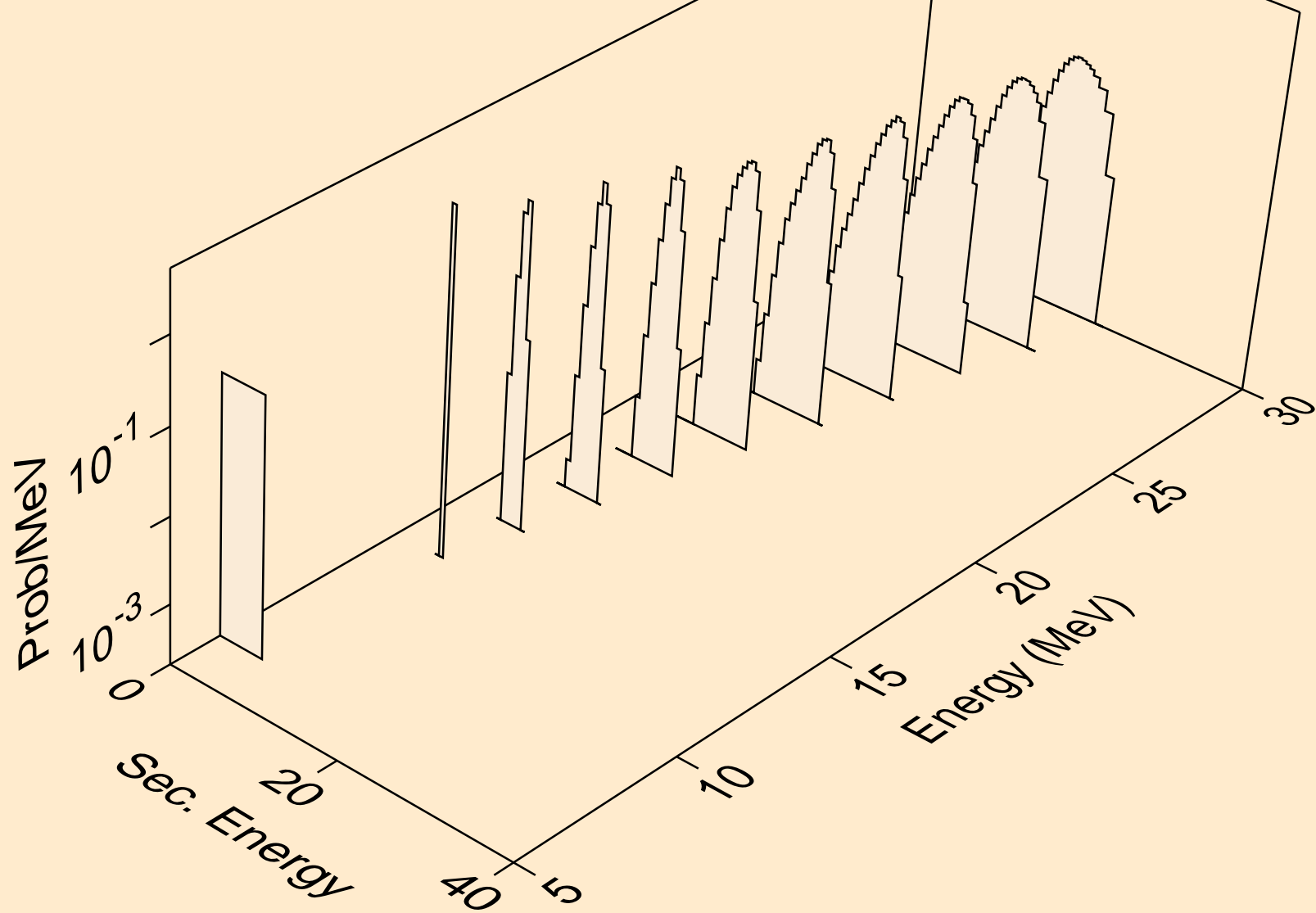
HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,x)



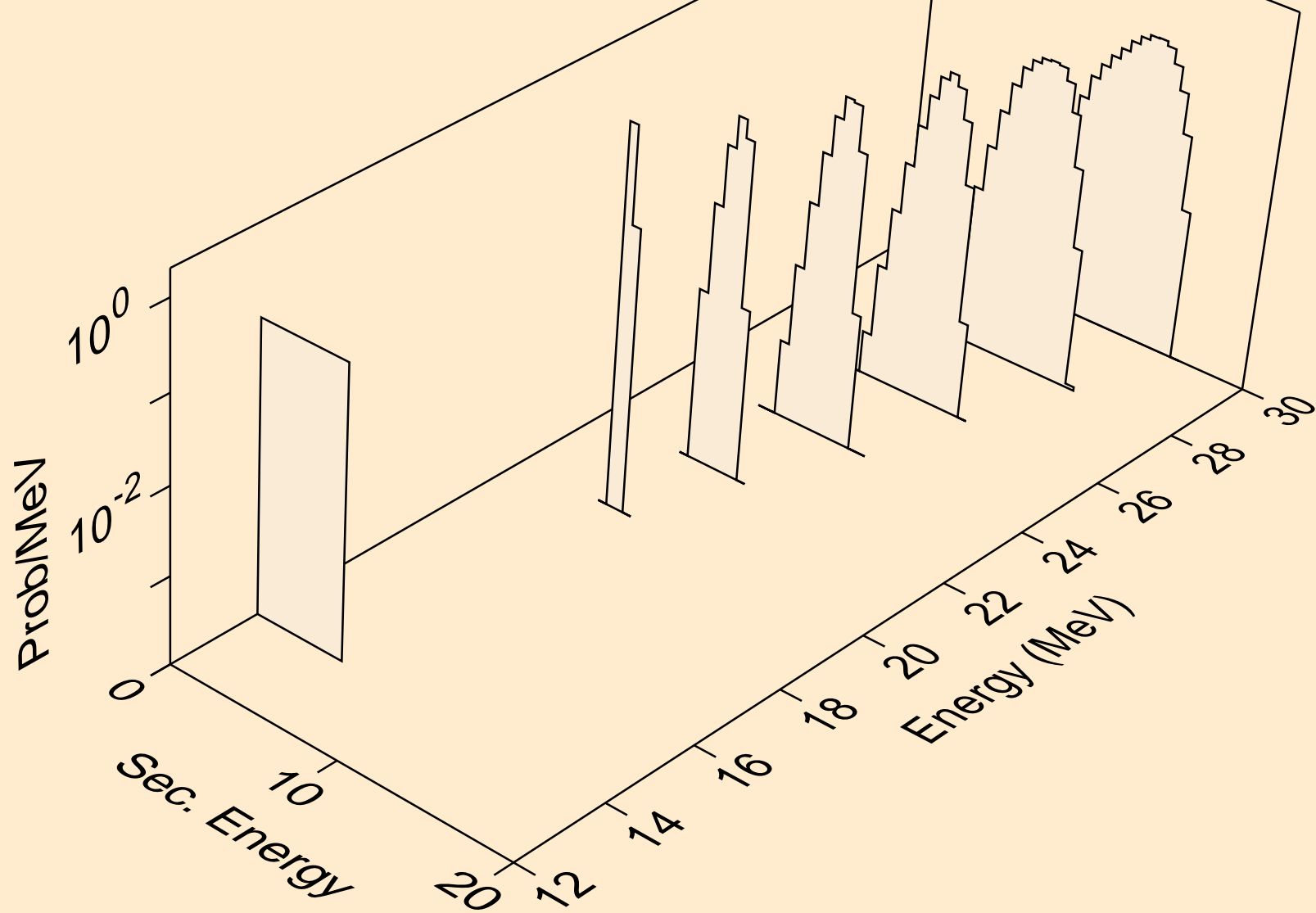
HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)a



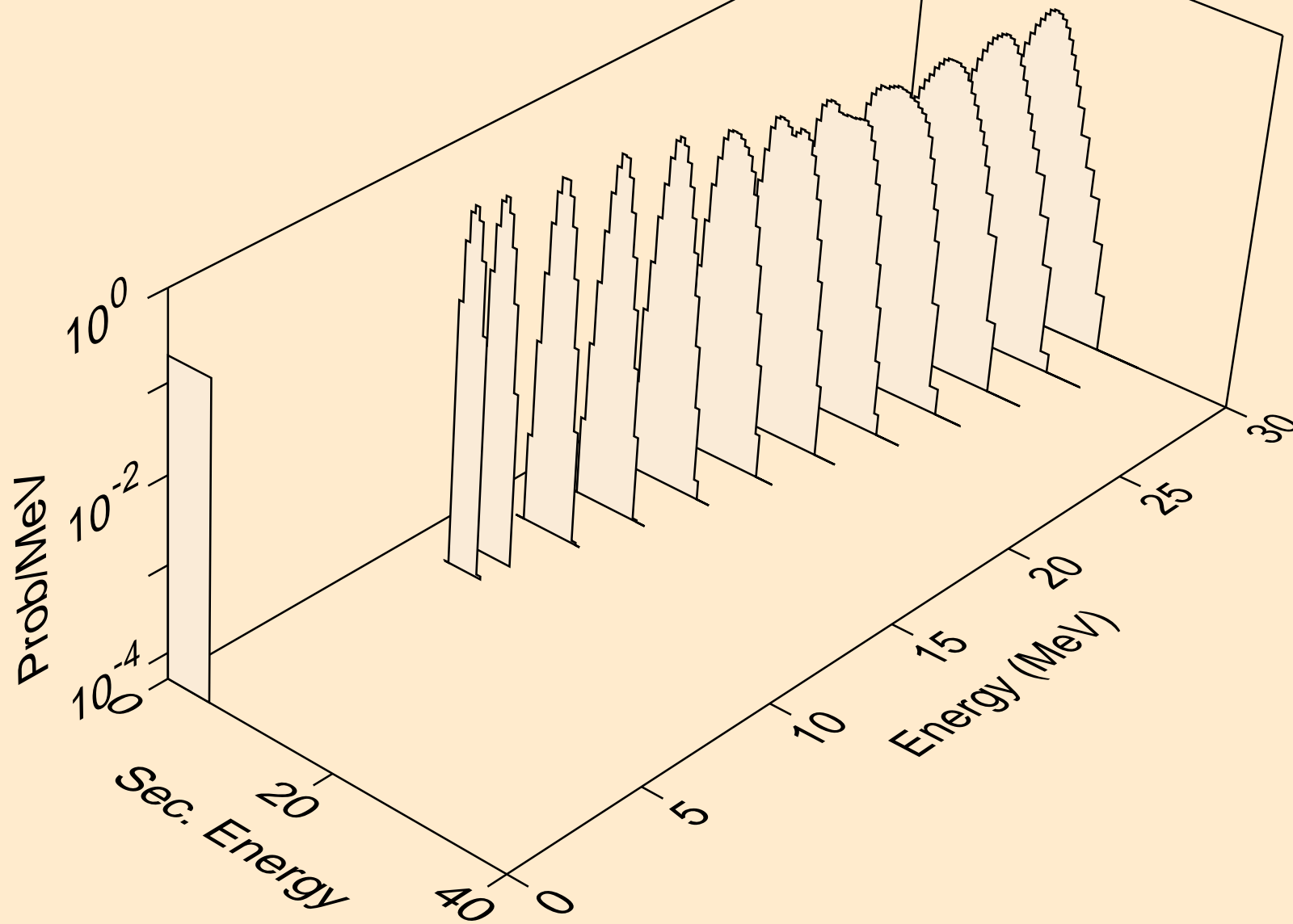
HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2n)a



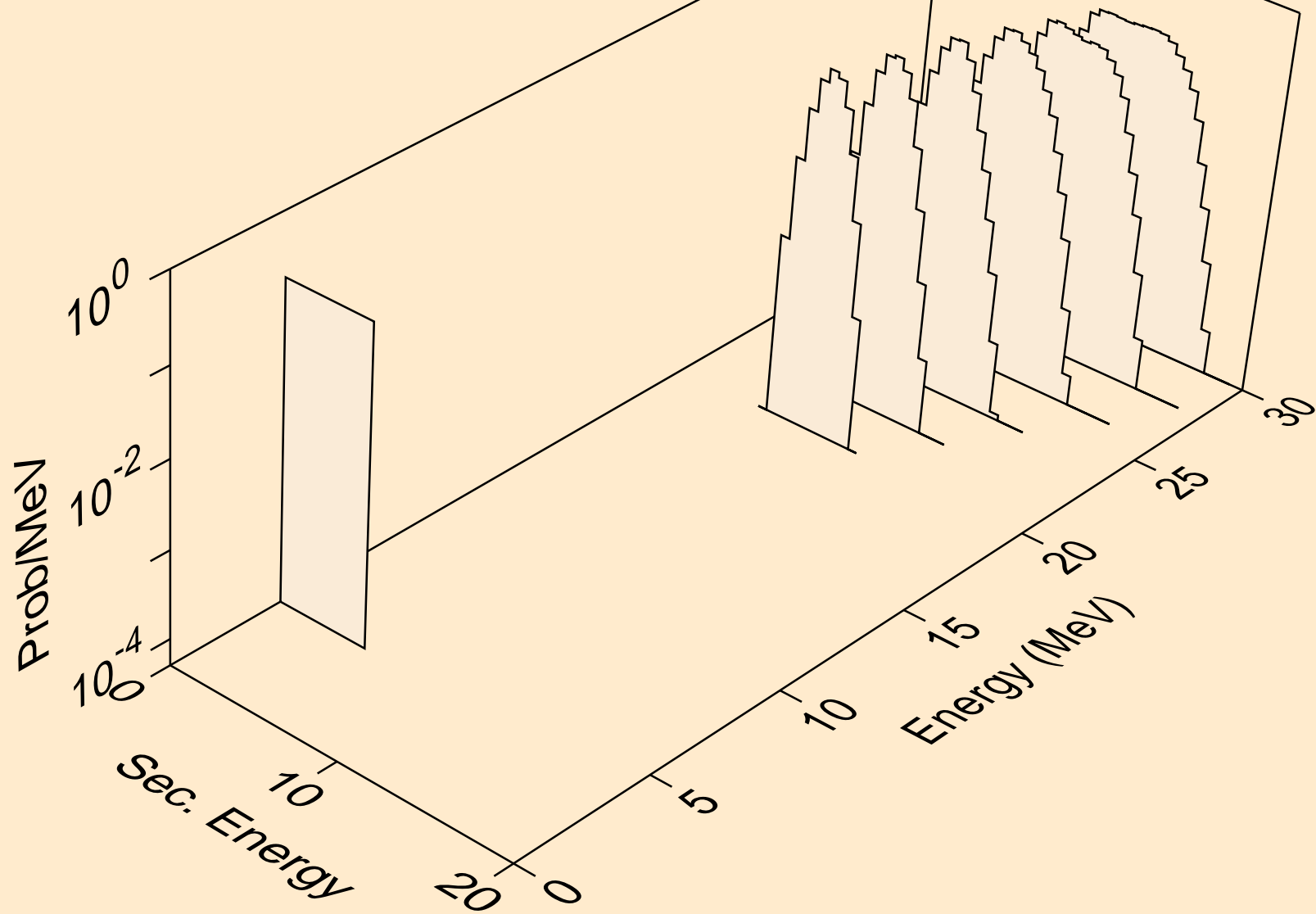
HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,3n)a



HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)2a

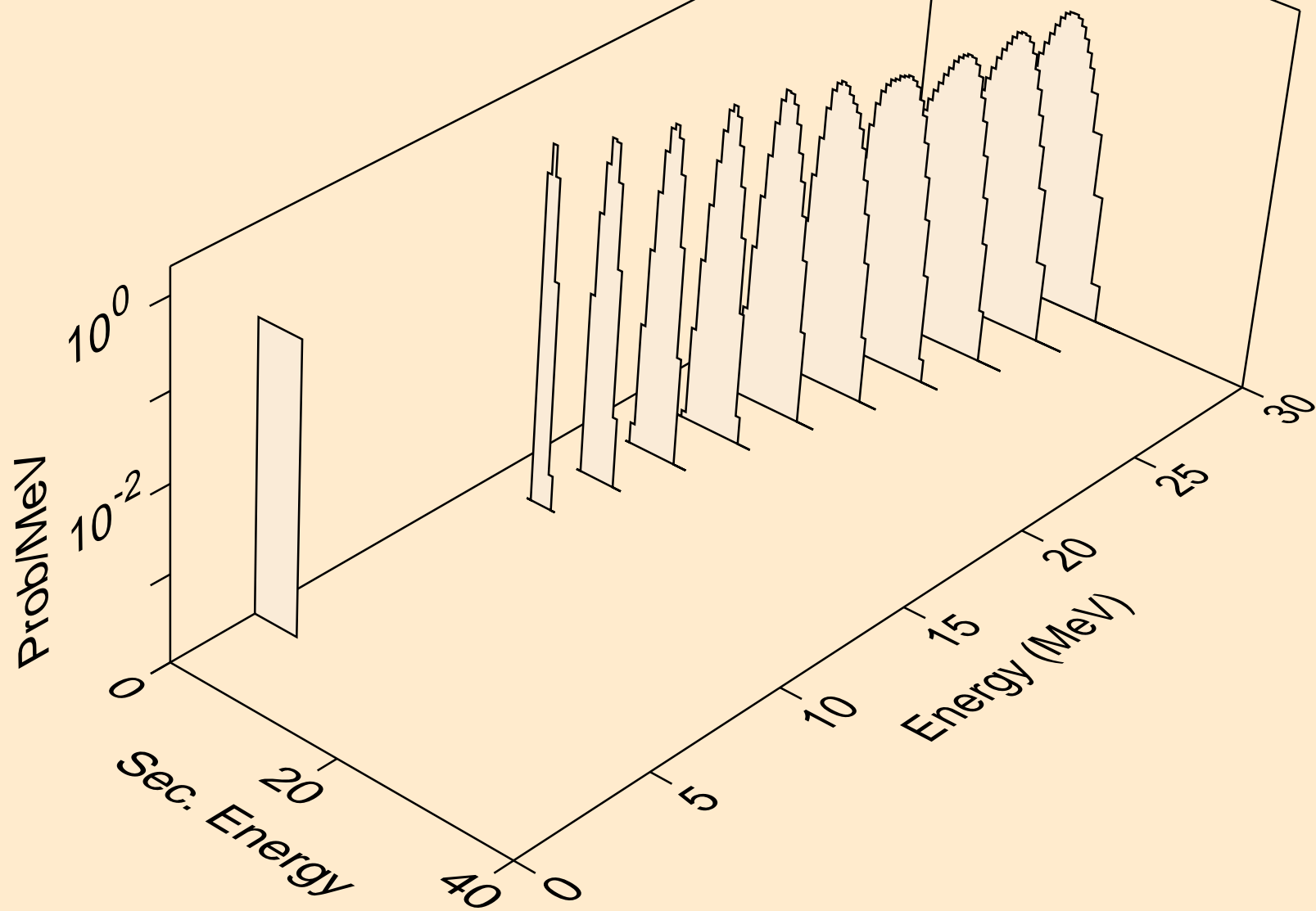


HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2n)2a

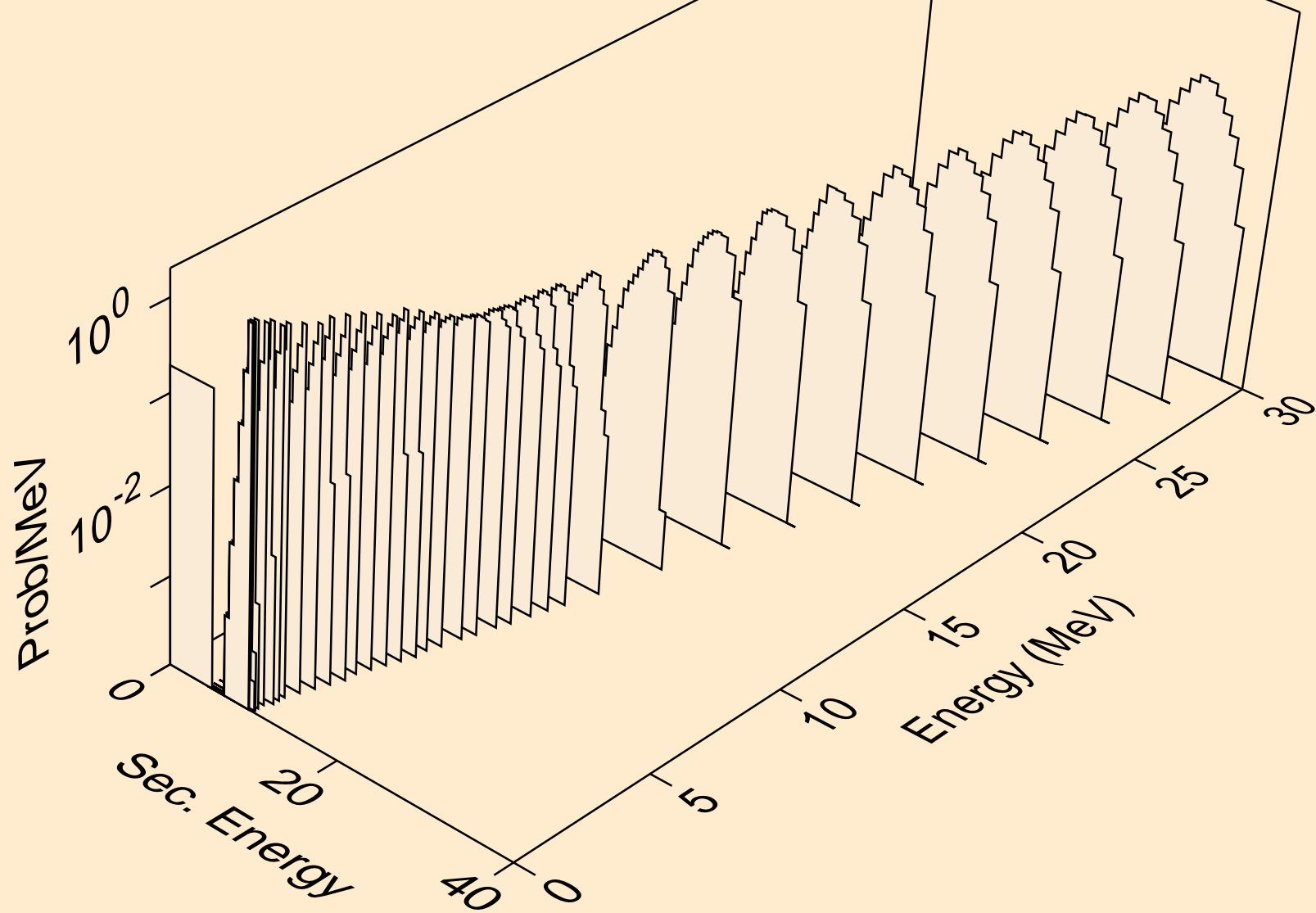




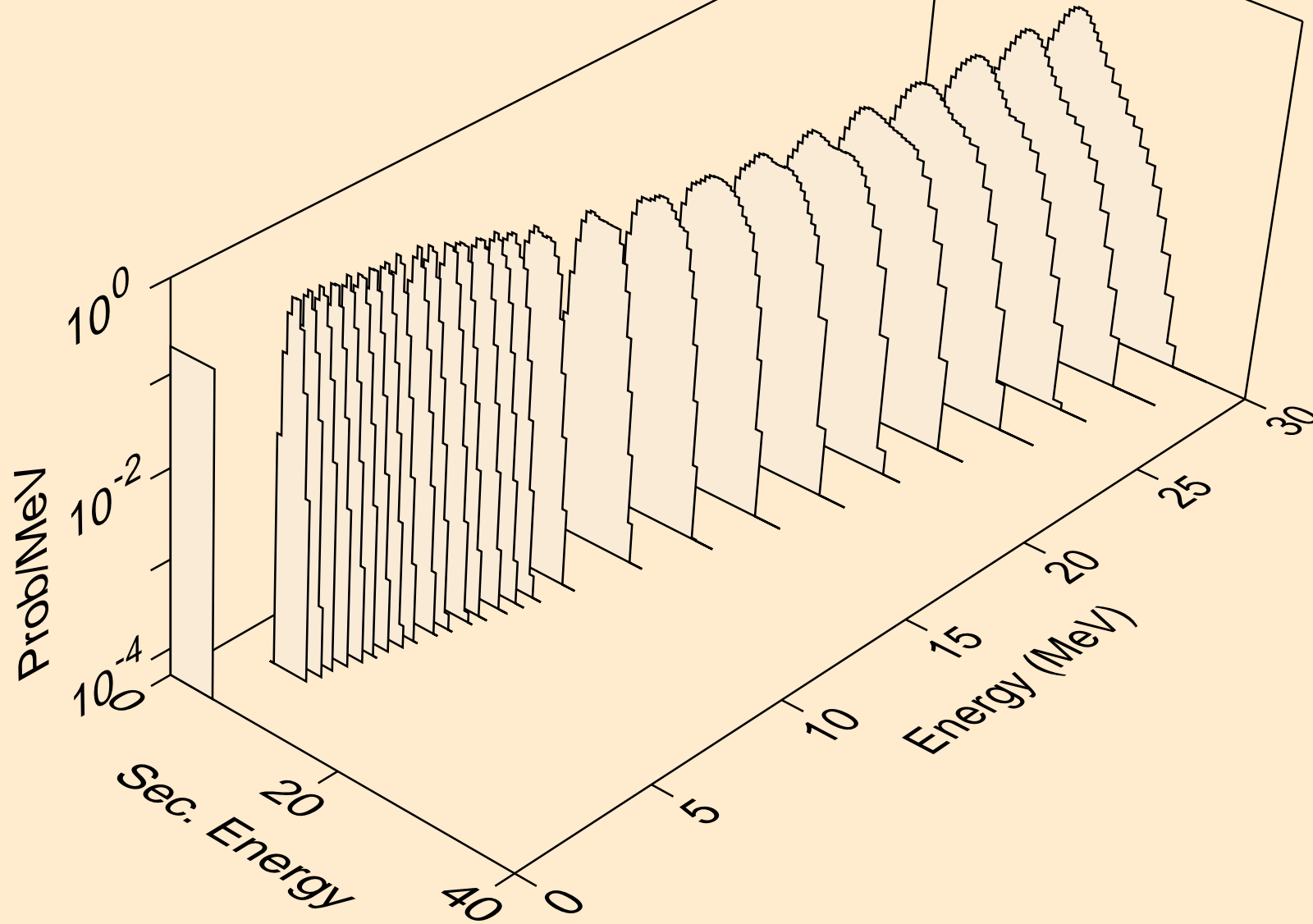
HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,npa)



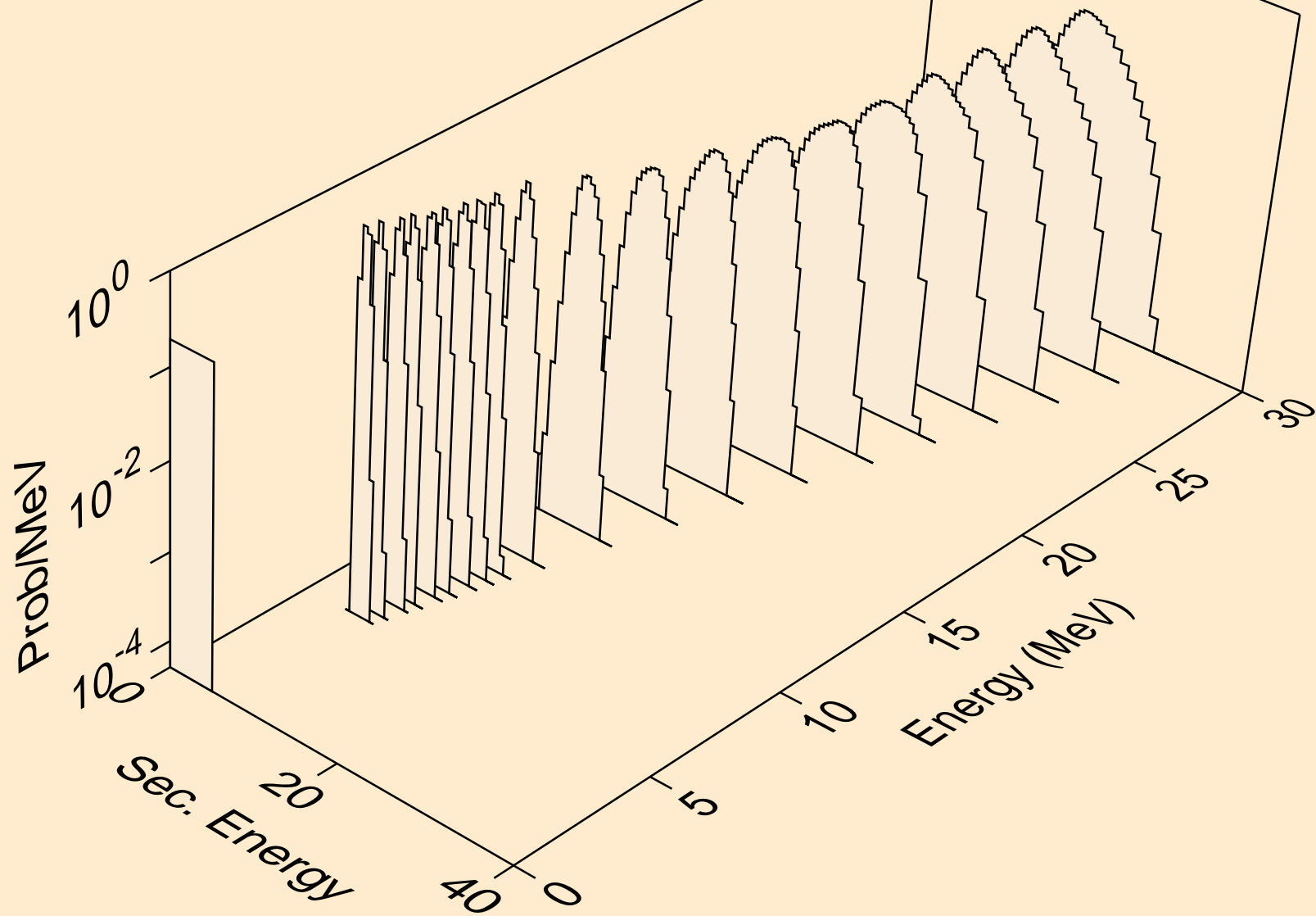
HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,a)



HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2a)



HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,pa)



HF170 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,da)

