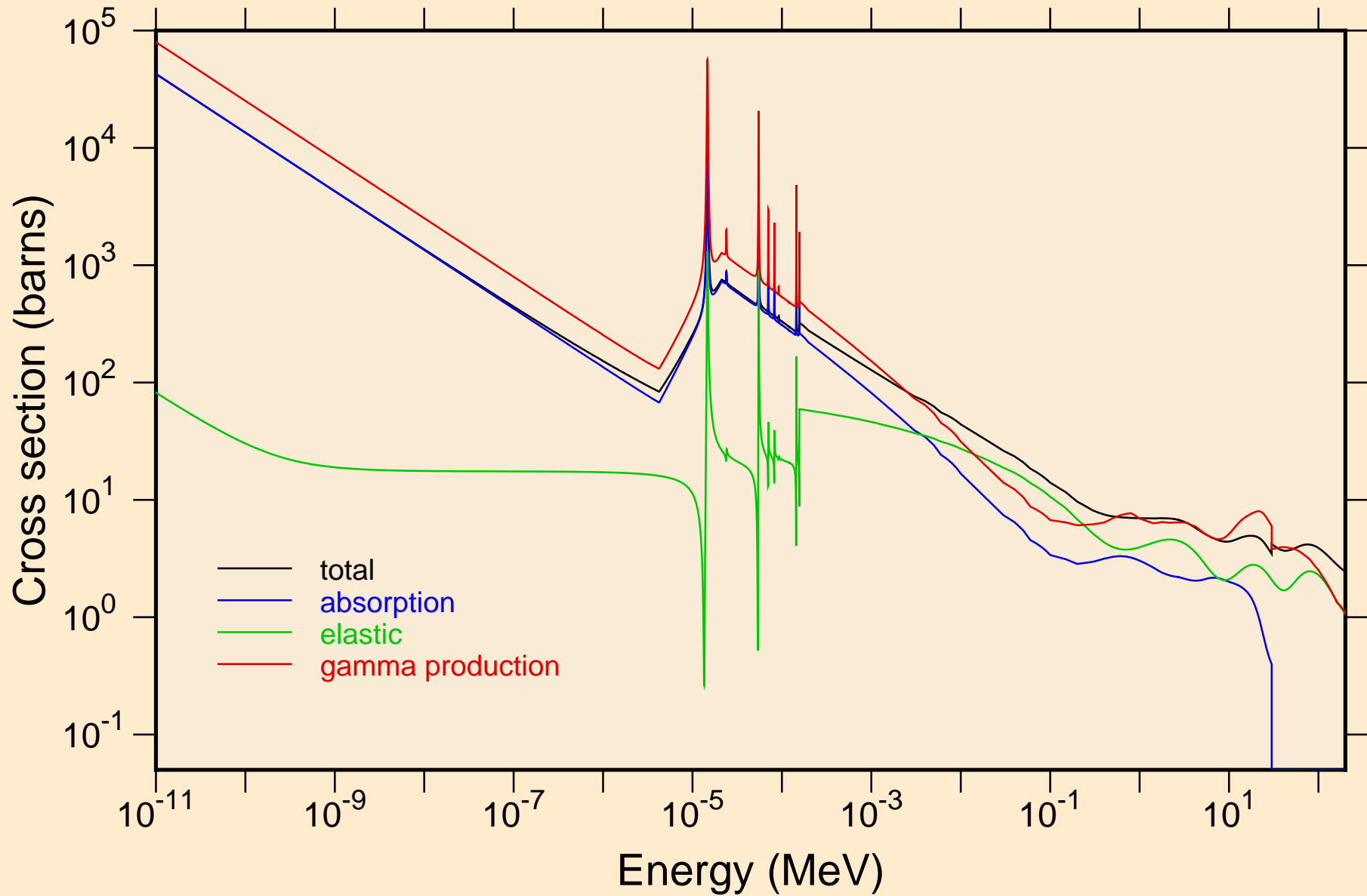
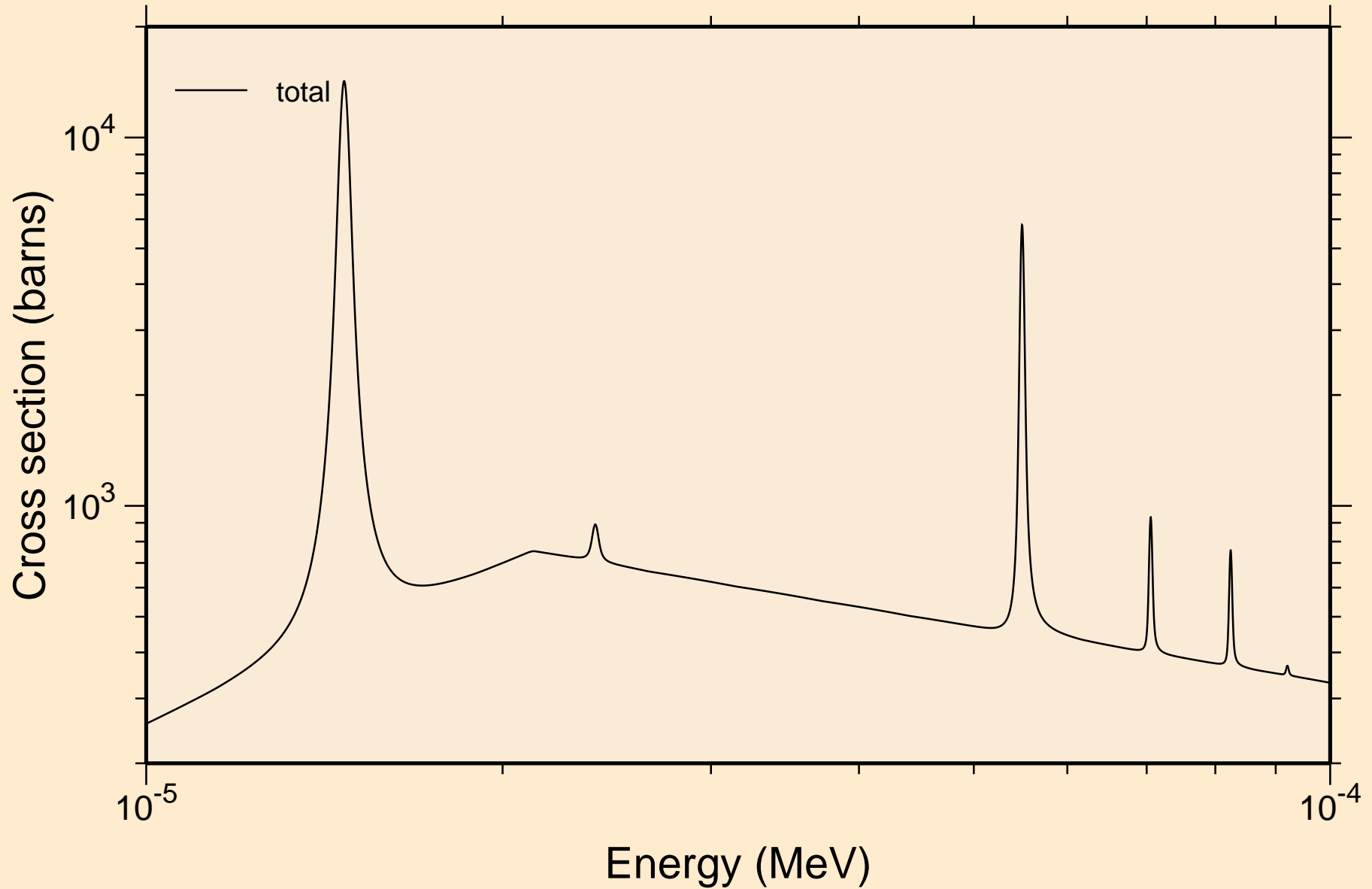


# HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

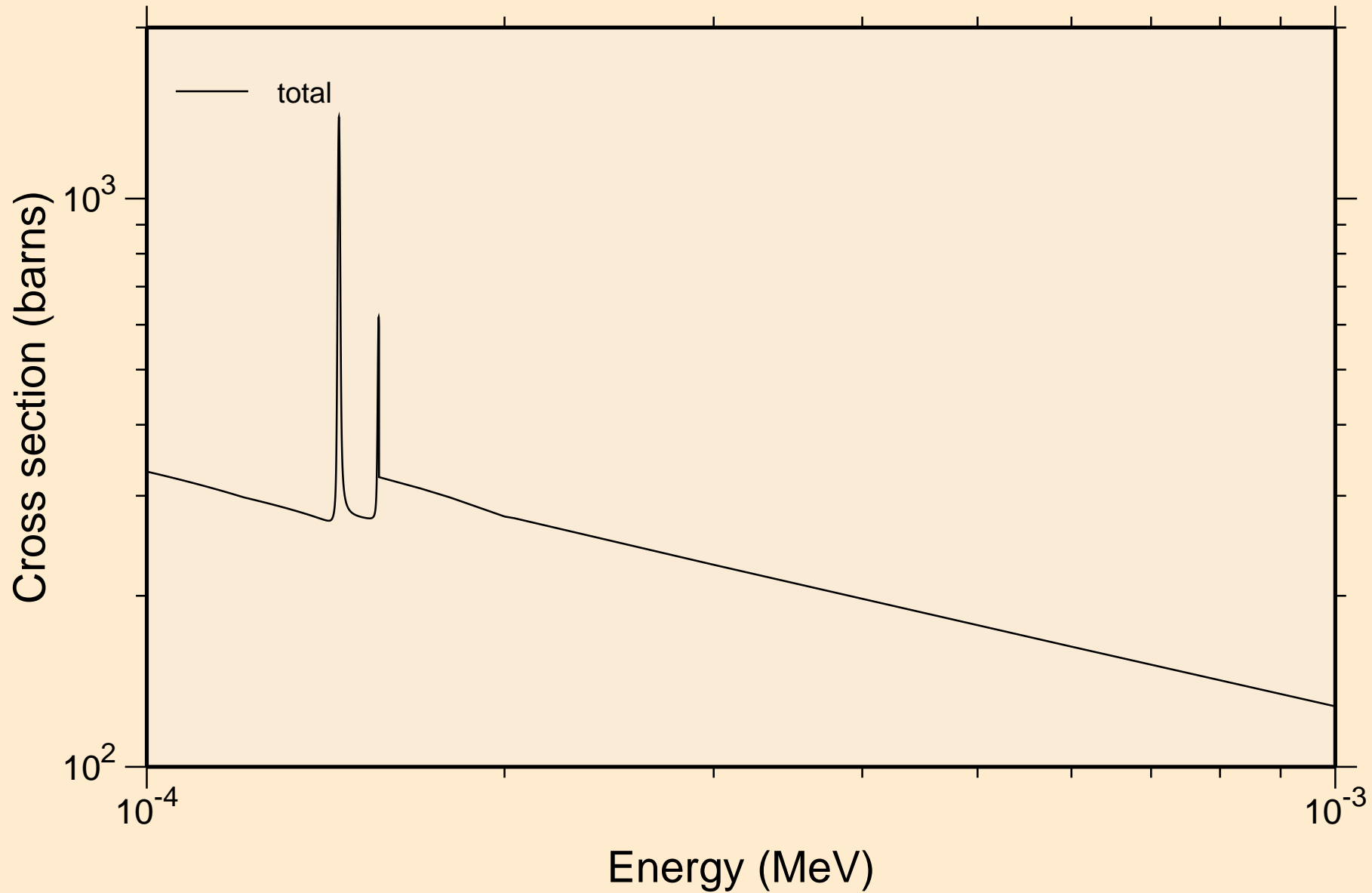
## Principal cross sections



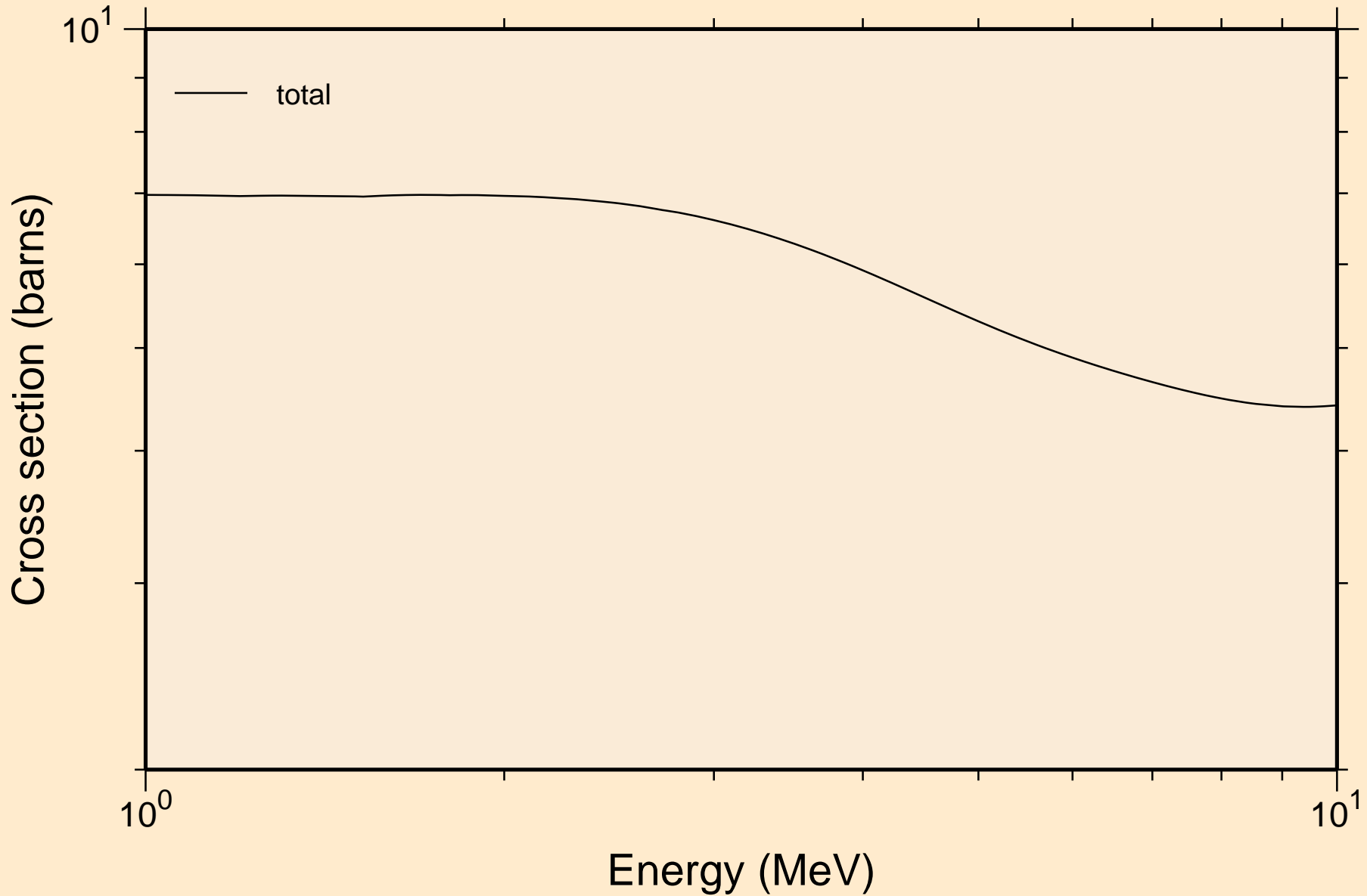
HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



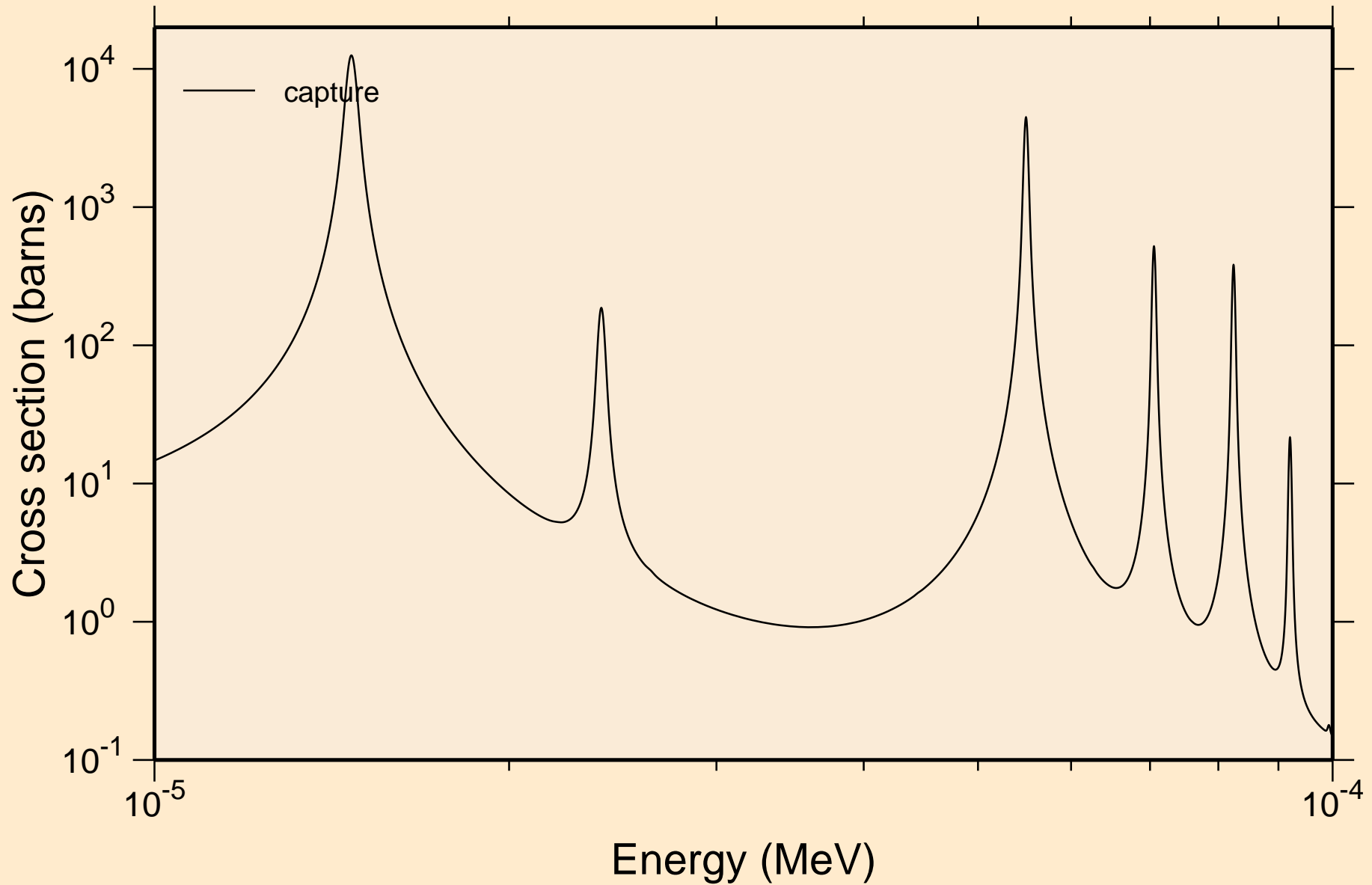
HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



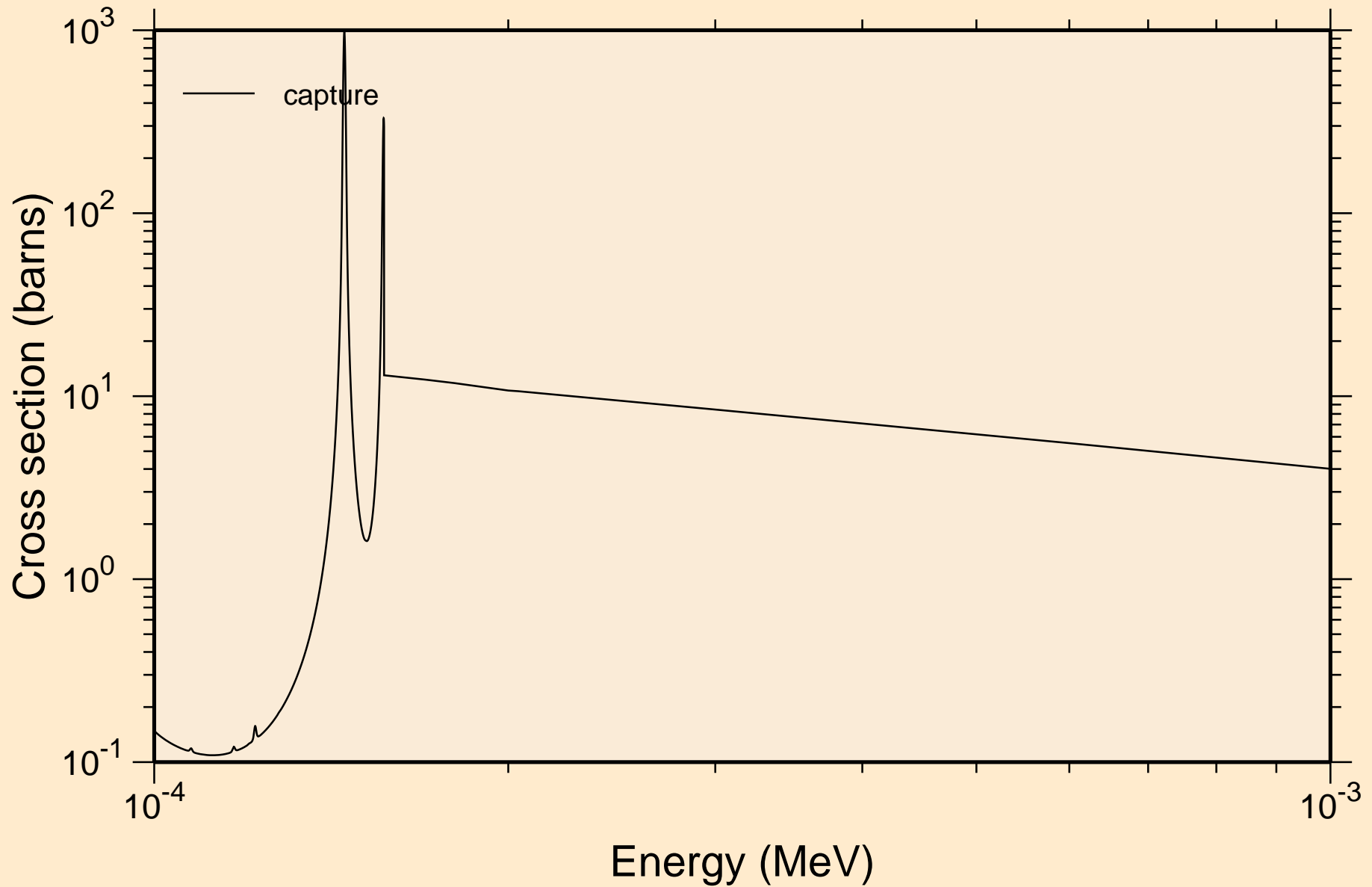
HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



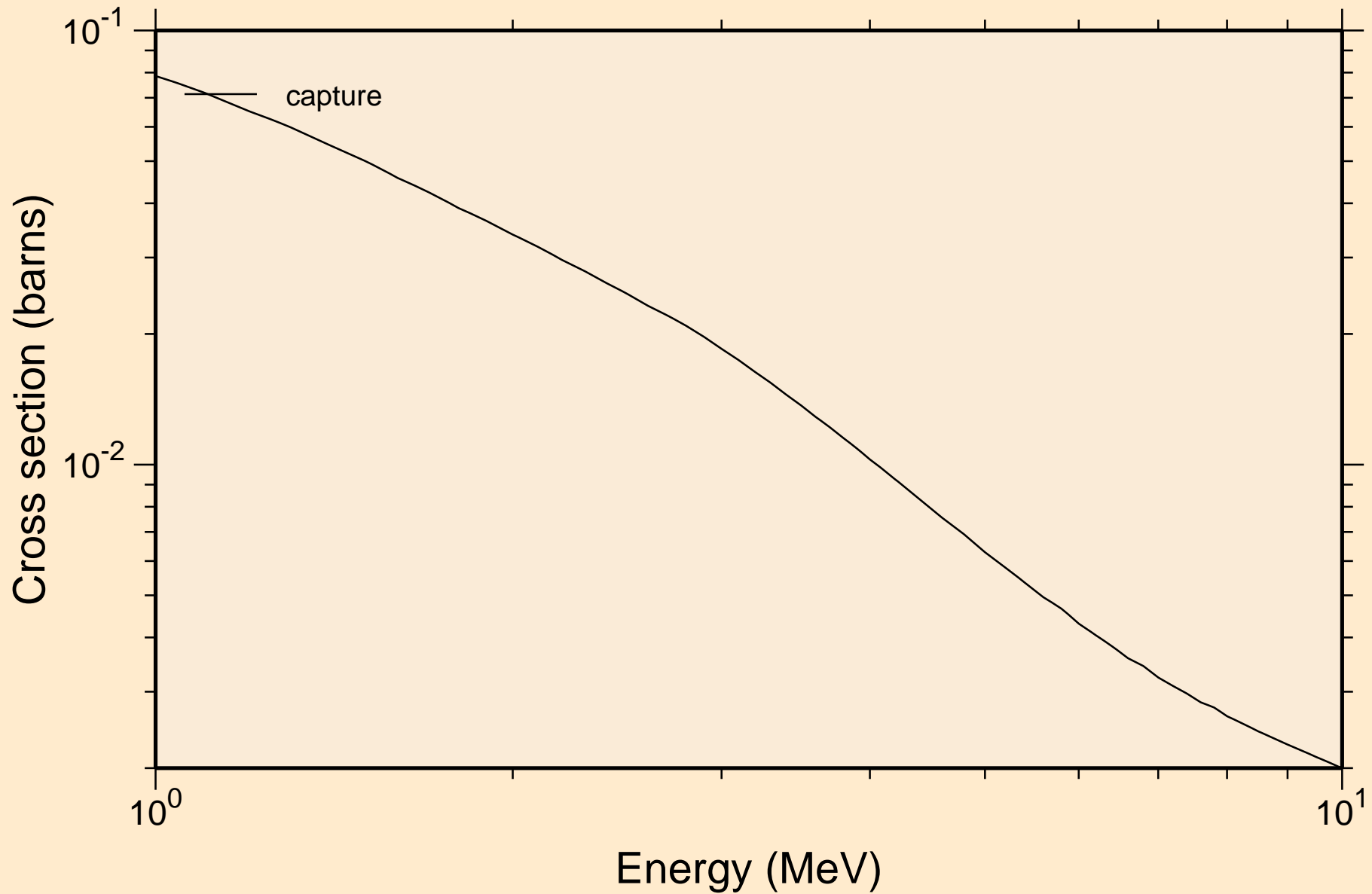
HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections

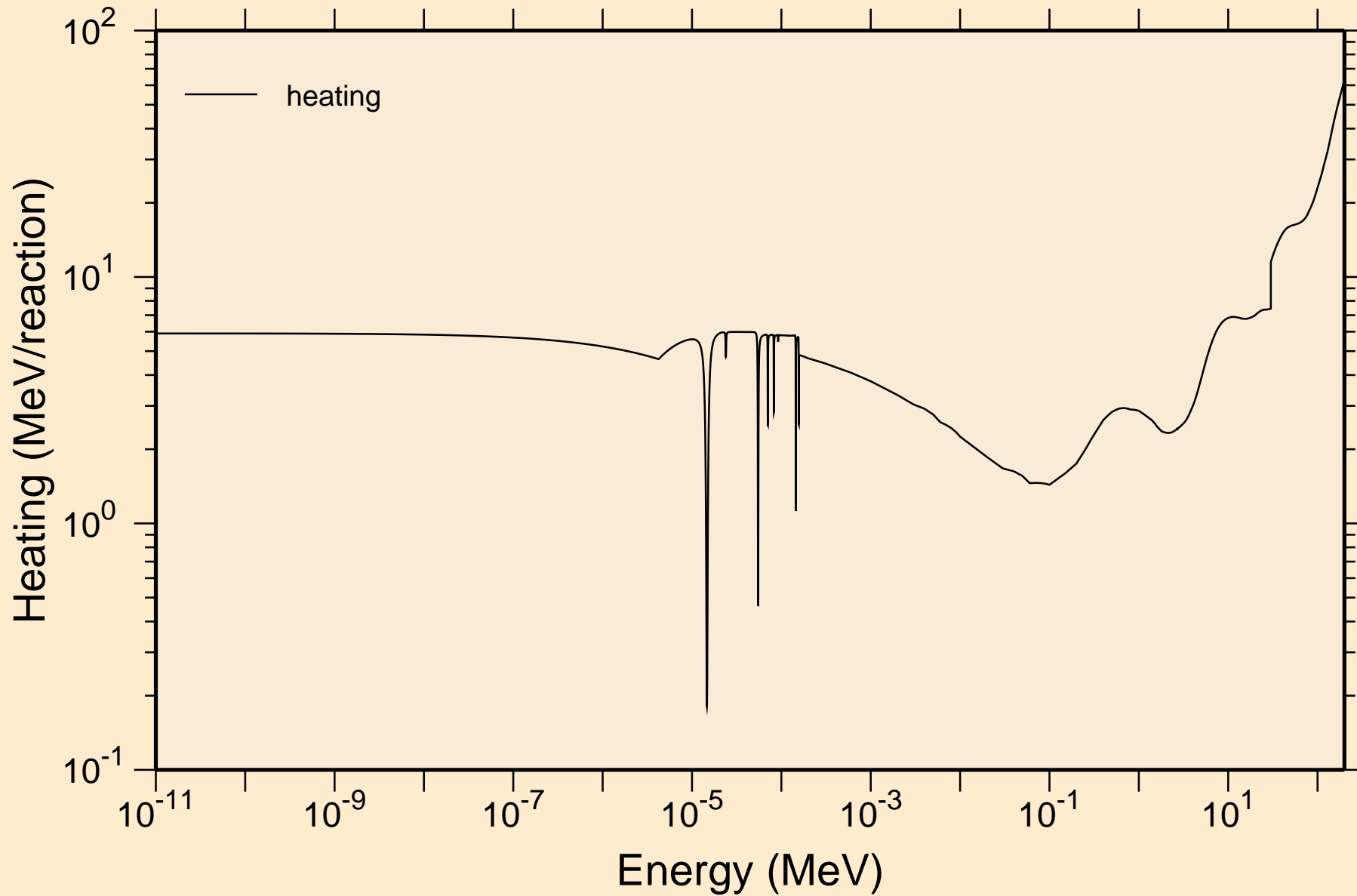


HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



# HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

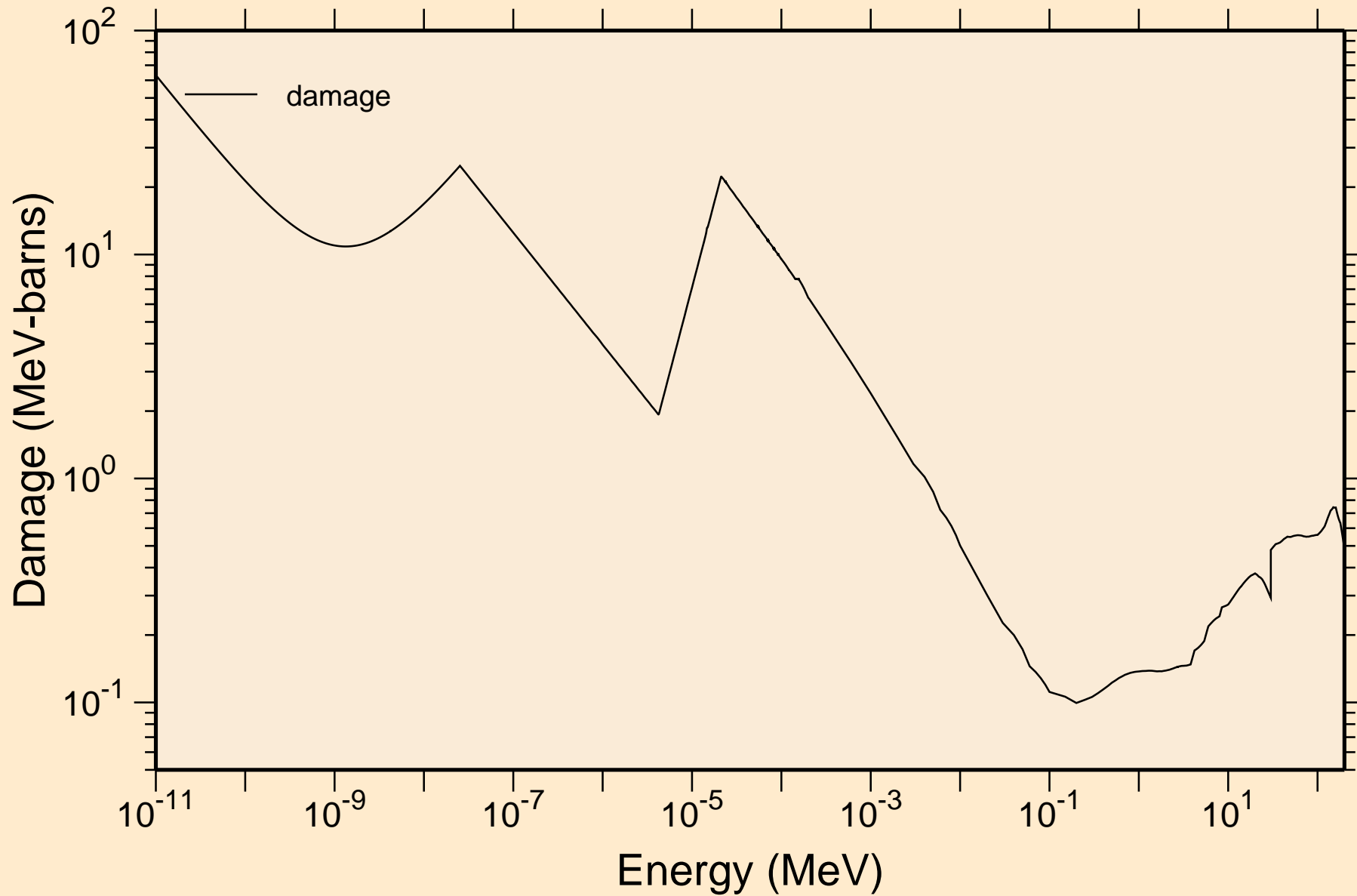
## Heating





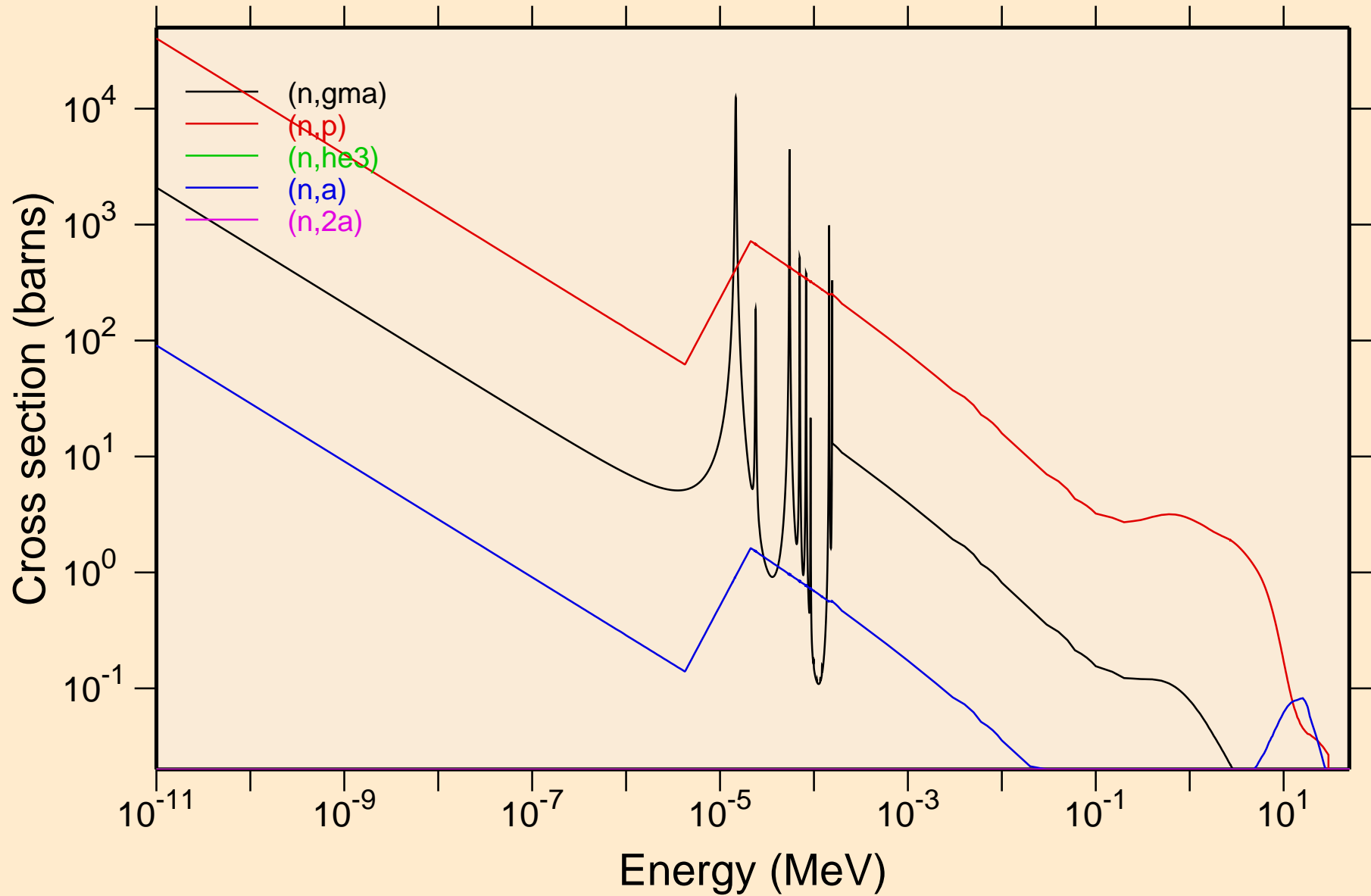
# HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Damage



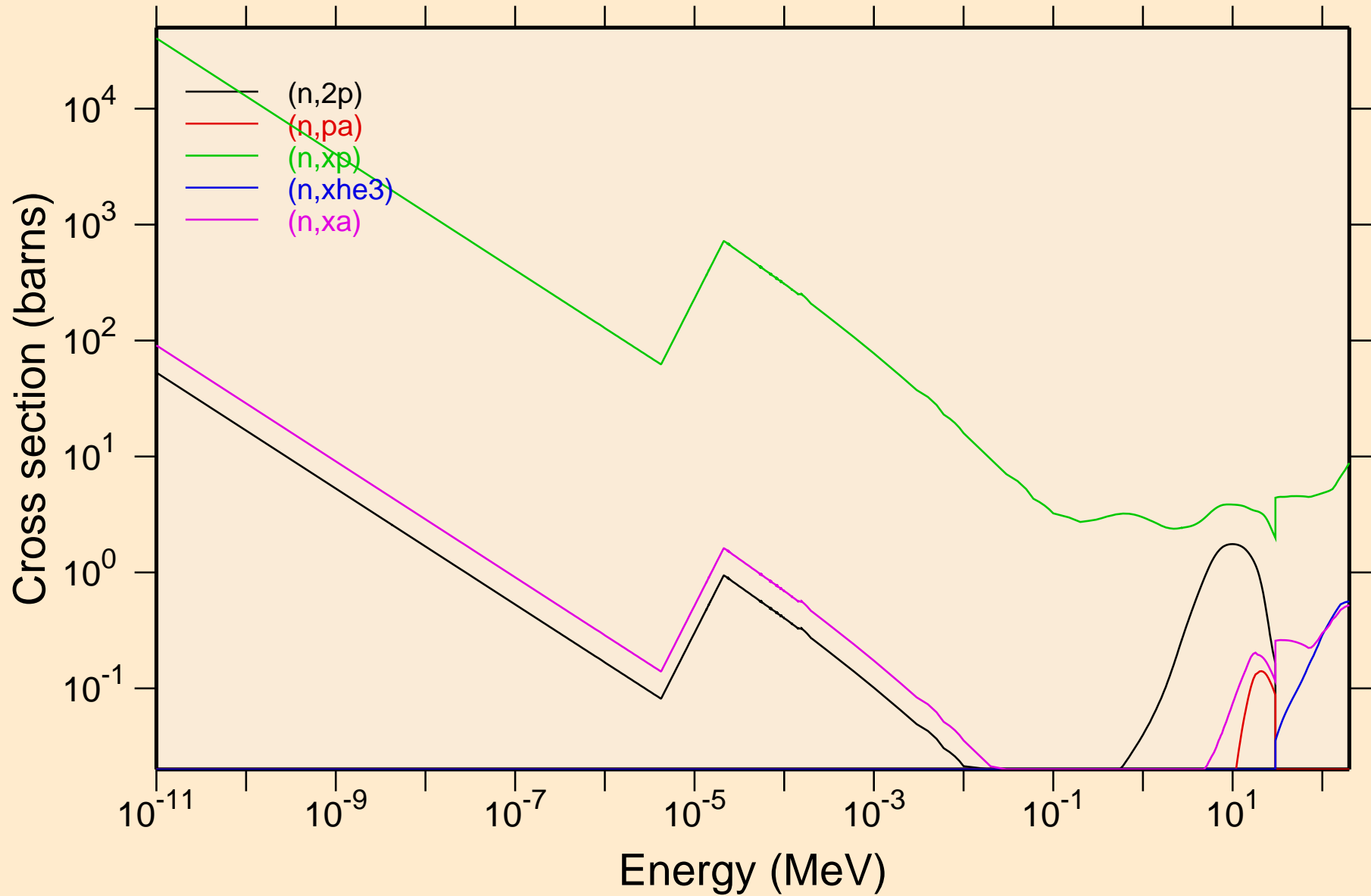
# HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Non-threshold reactions



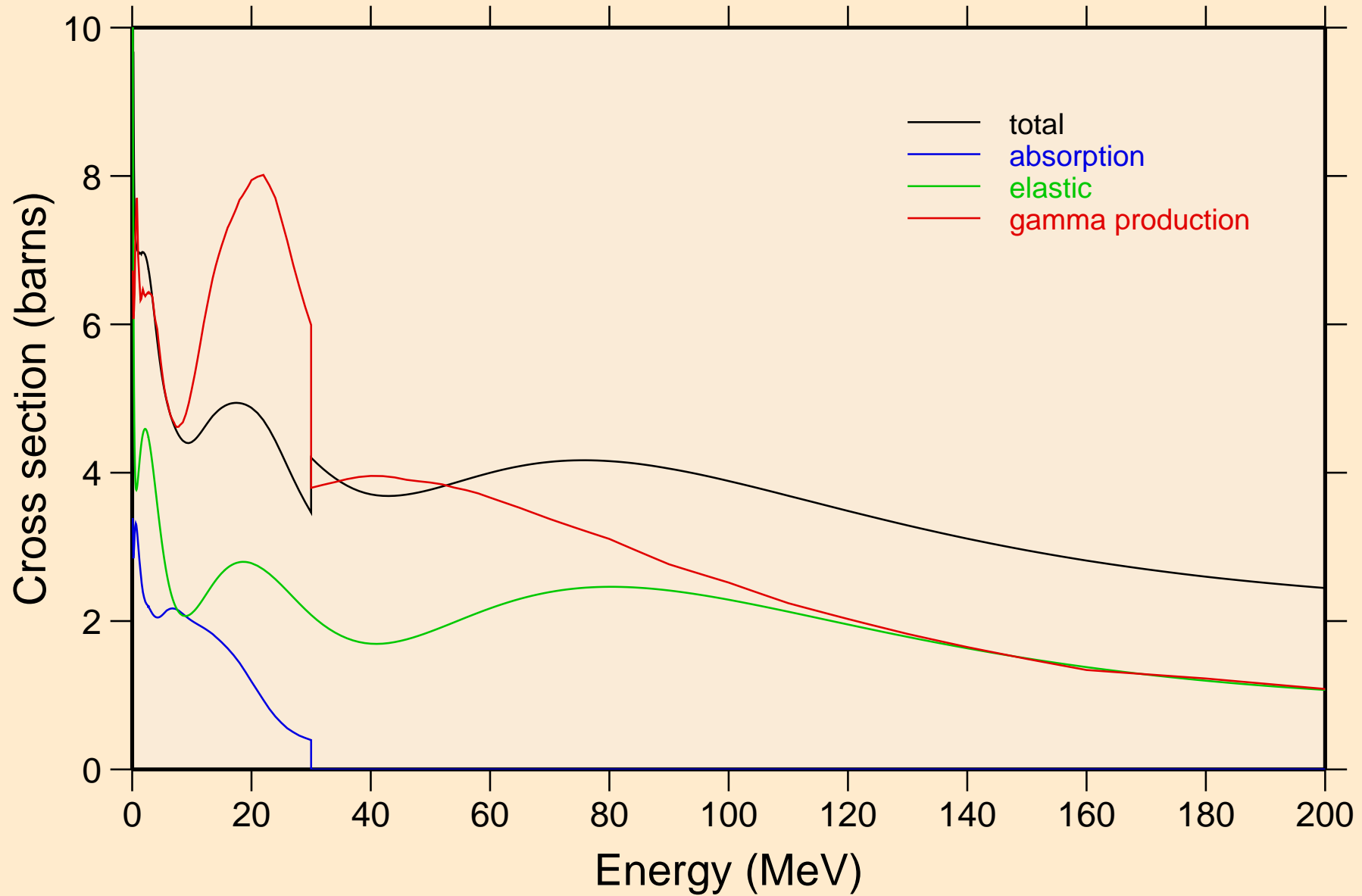
# HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Non-threshold reactions

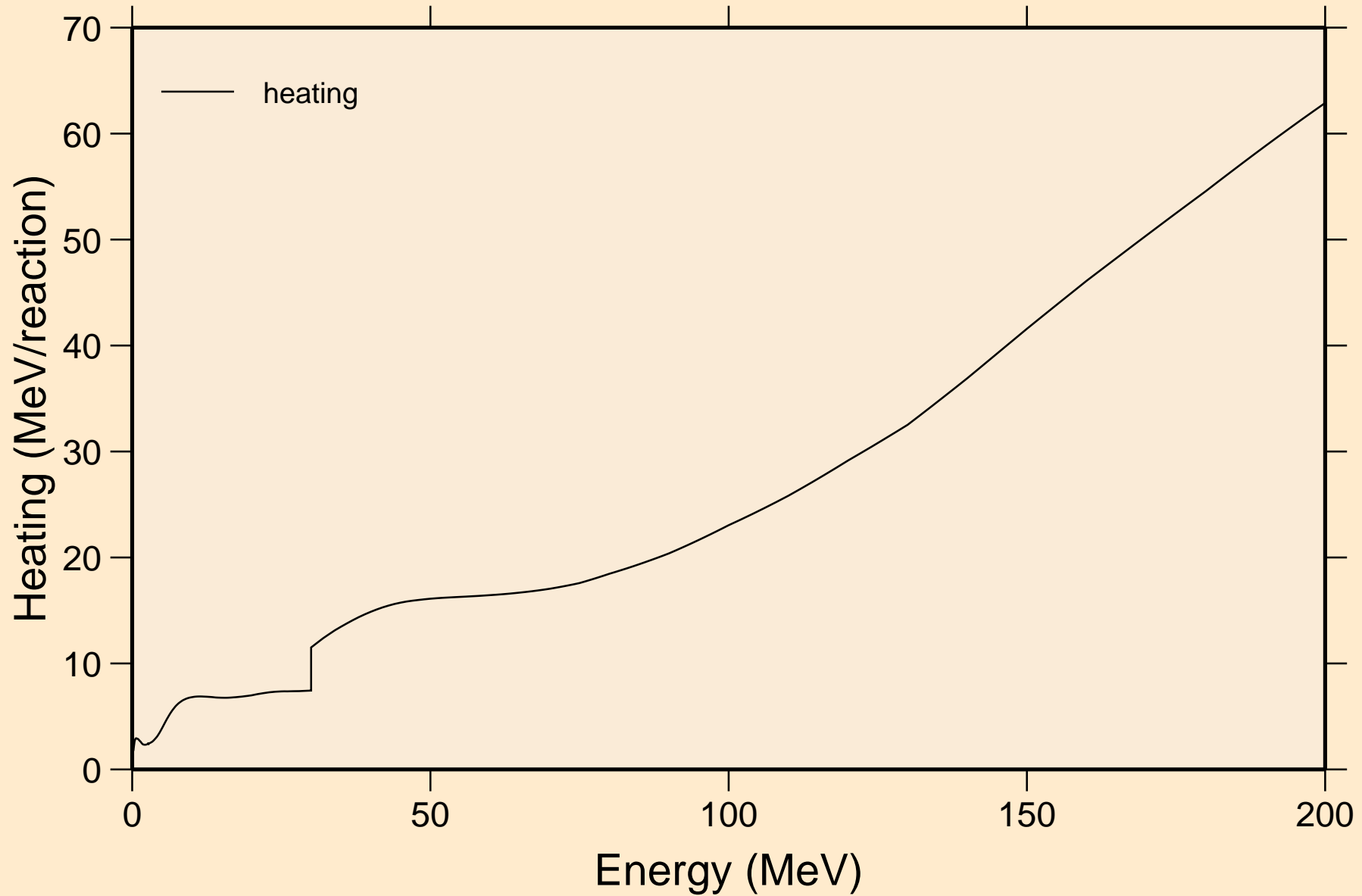


# HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Principal cross sections

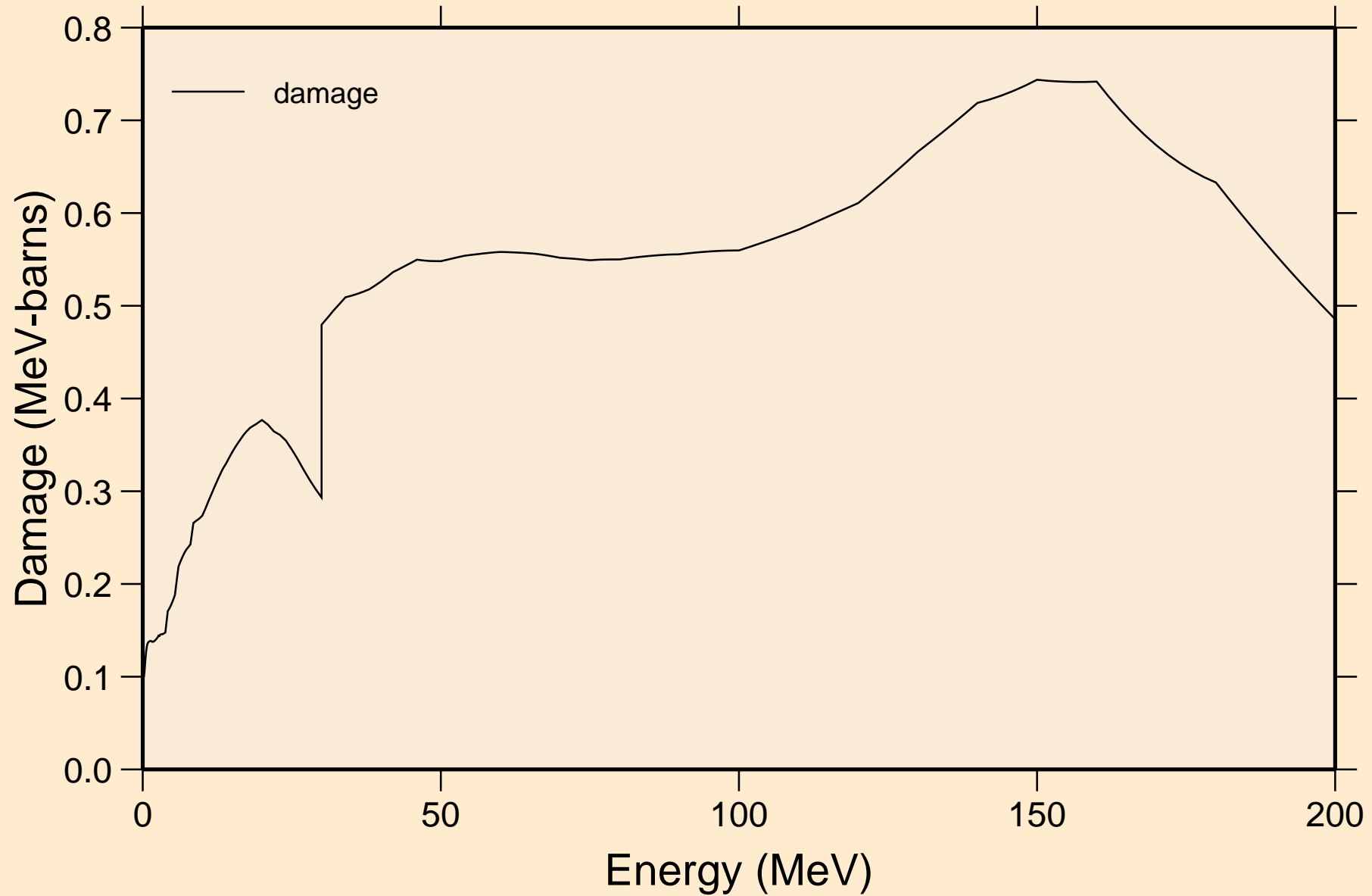


HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Heating



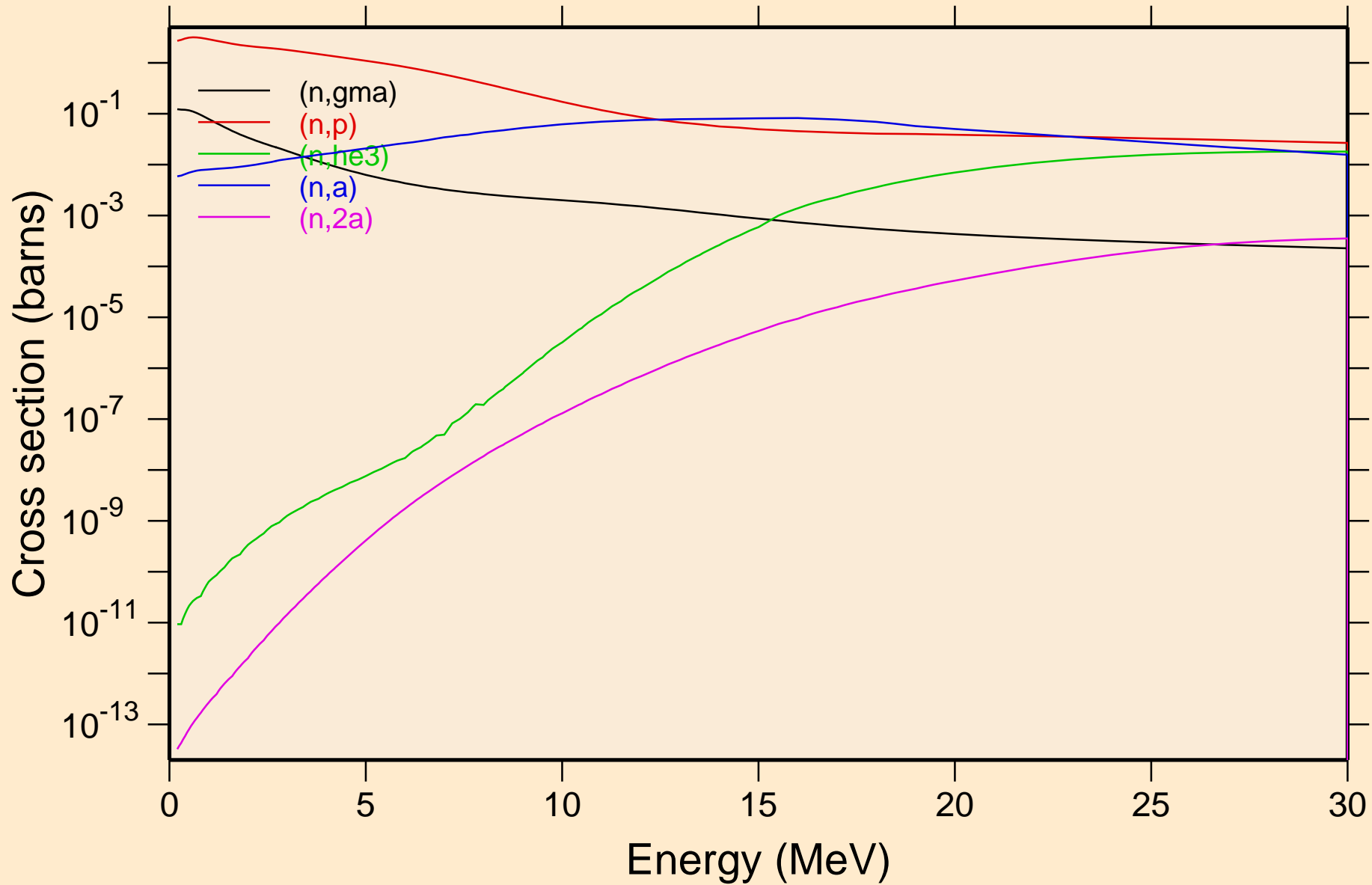
# HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Damage



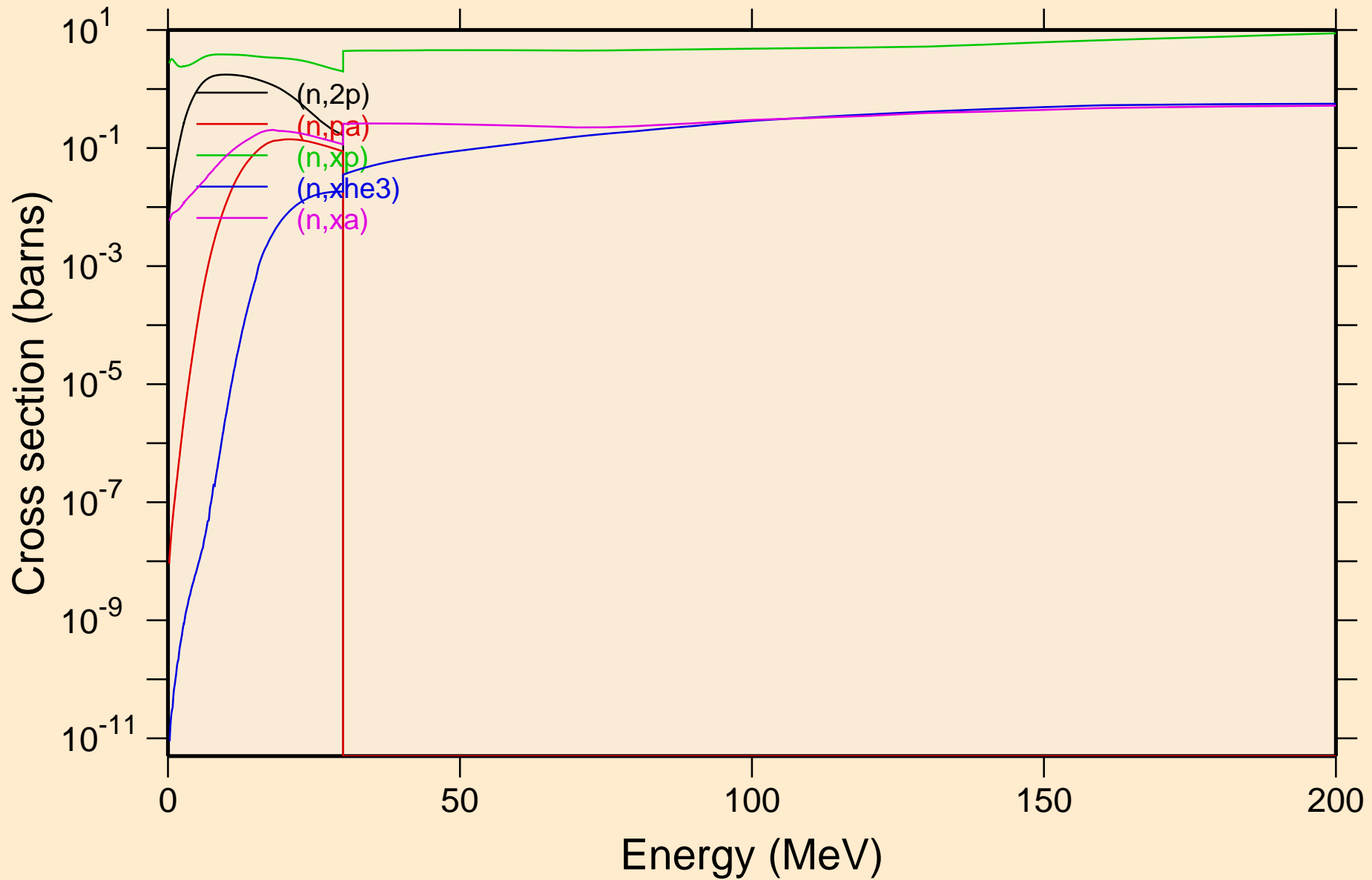
# HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Non-threshold reactions



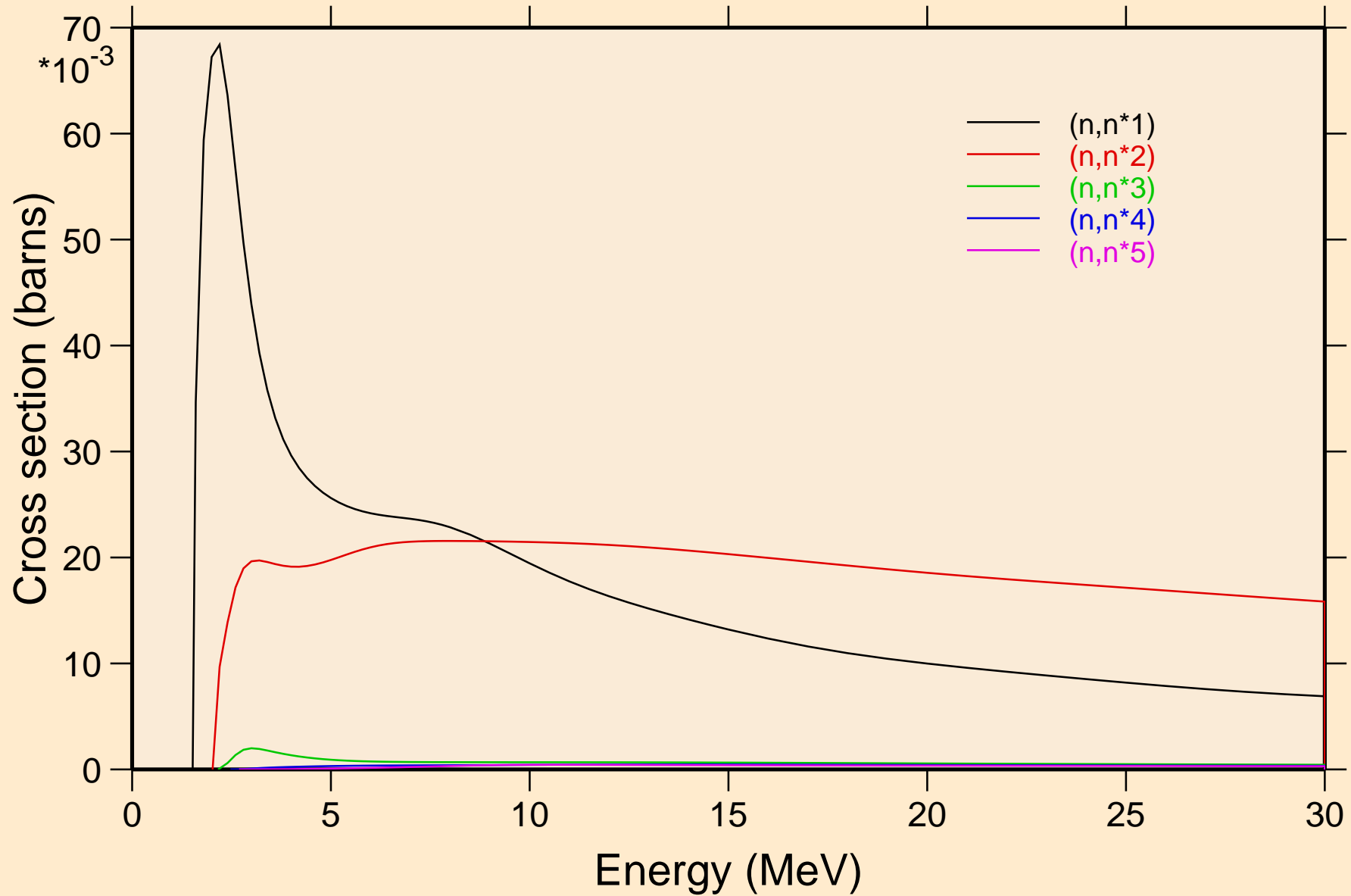
# HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Non-threshold reactions



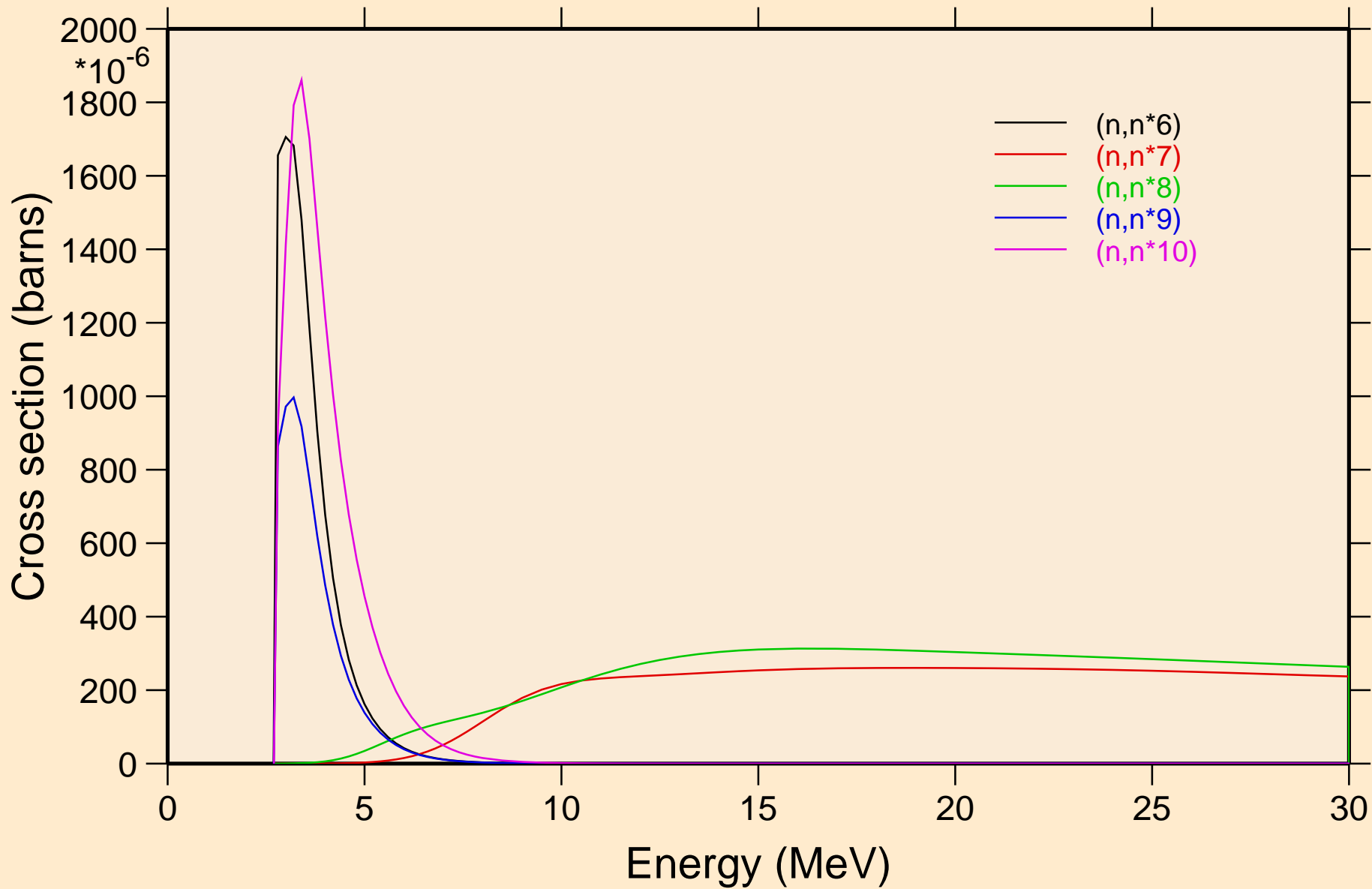


HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



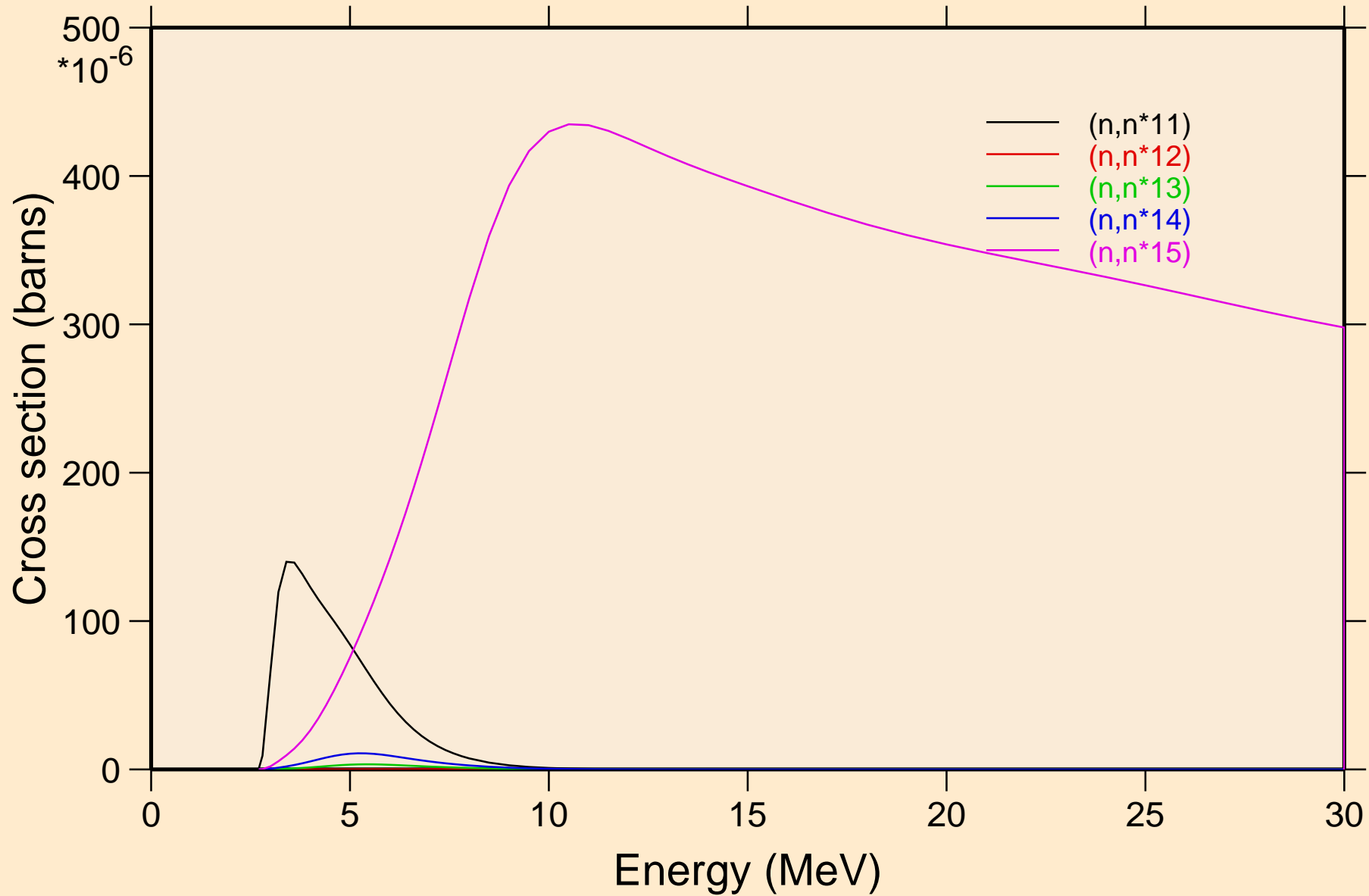
# HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Inelastic levels

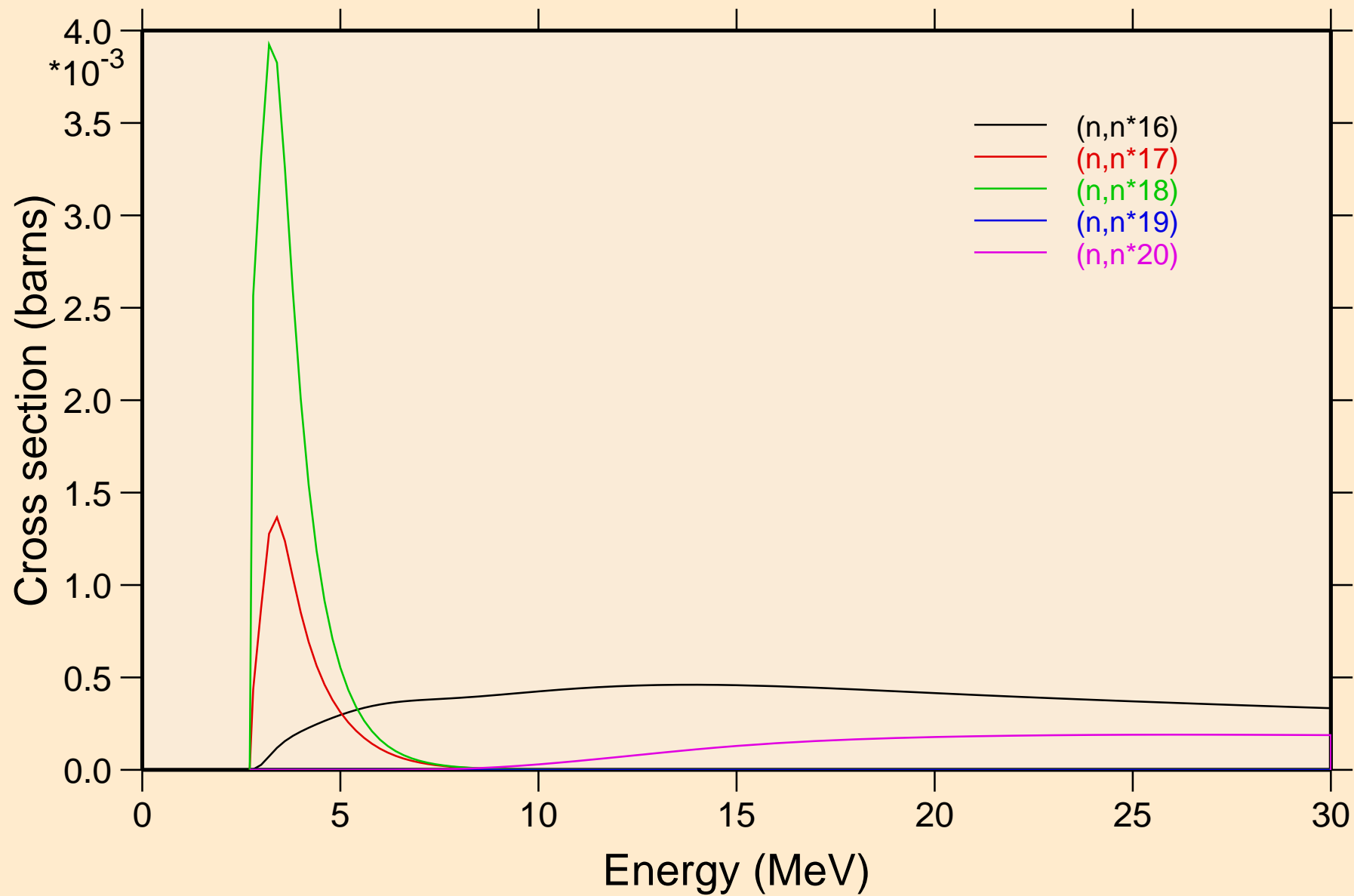


# HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

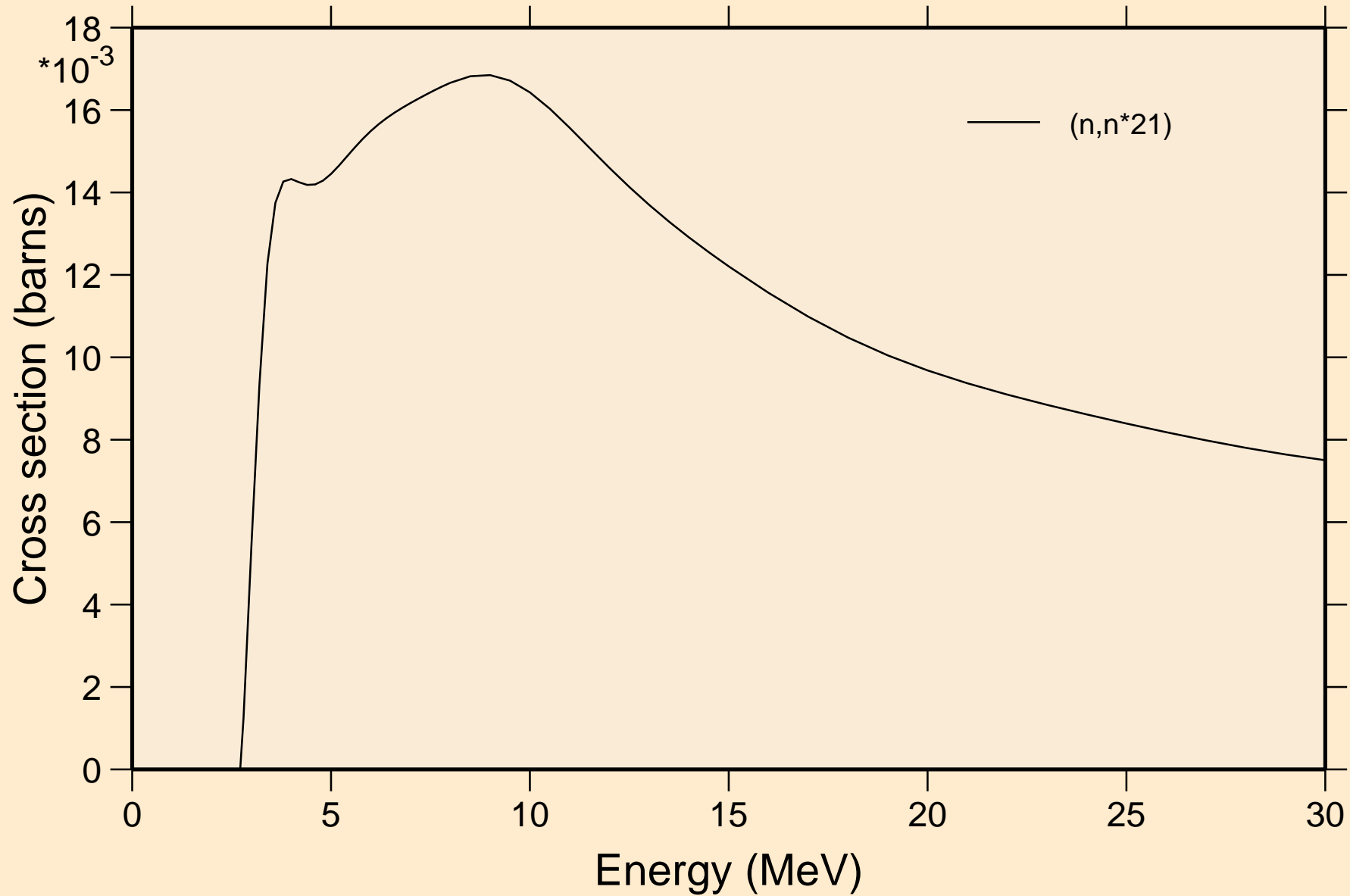
## Inelastic levels



HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels

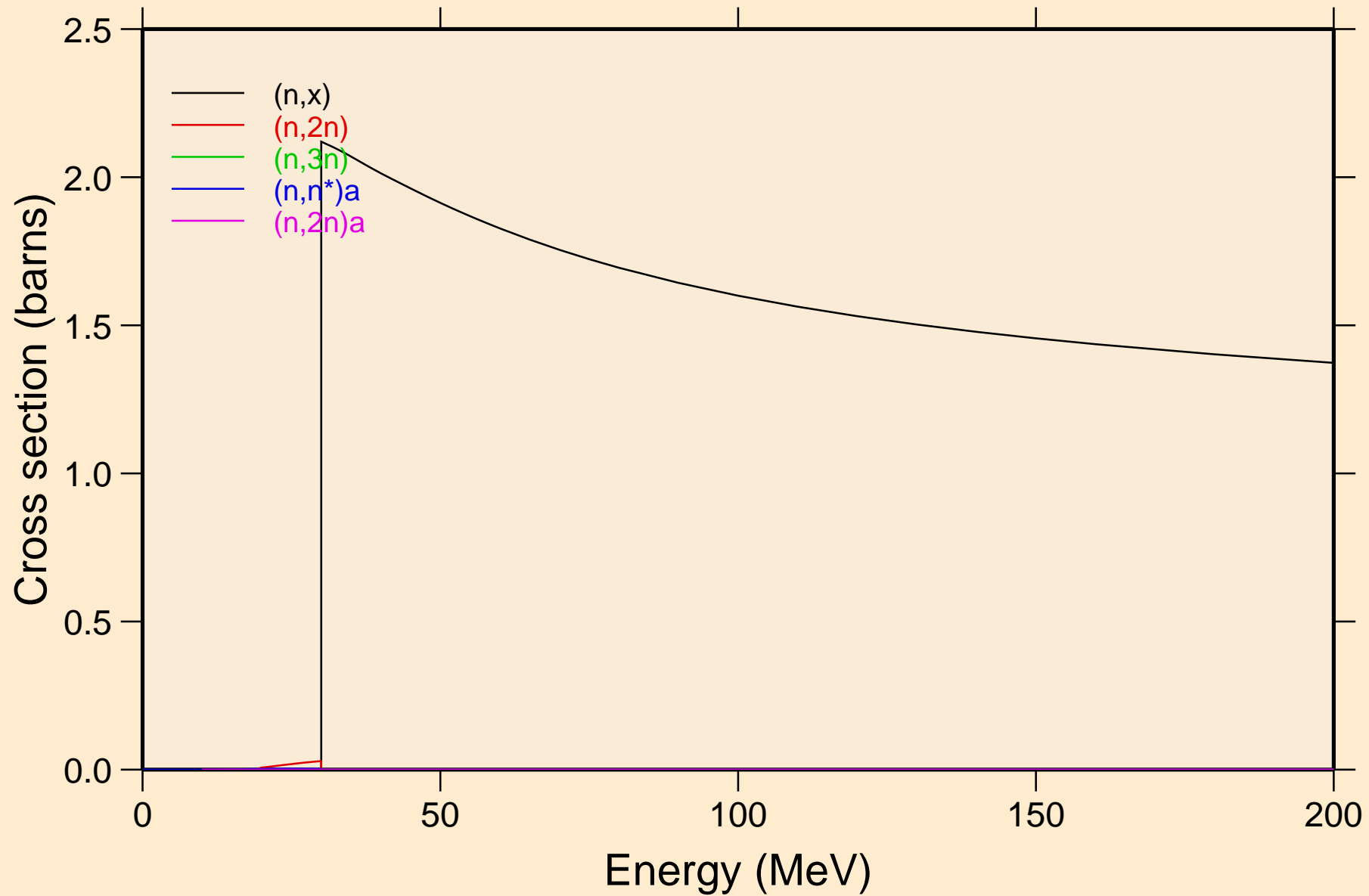


HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels

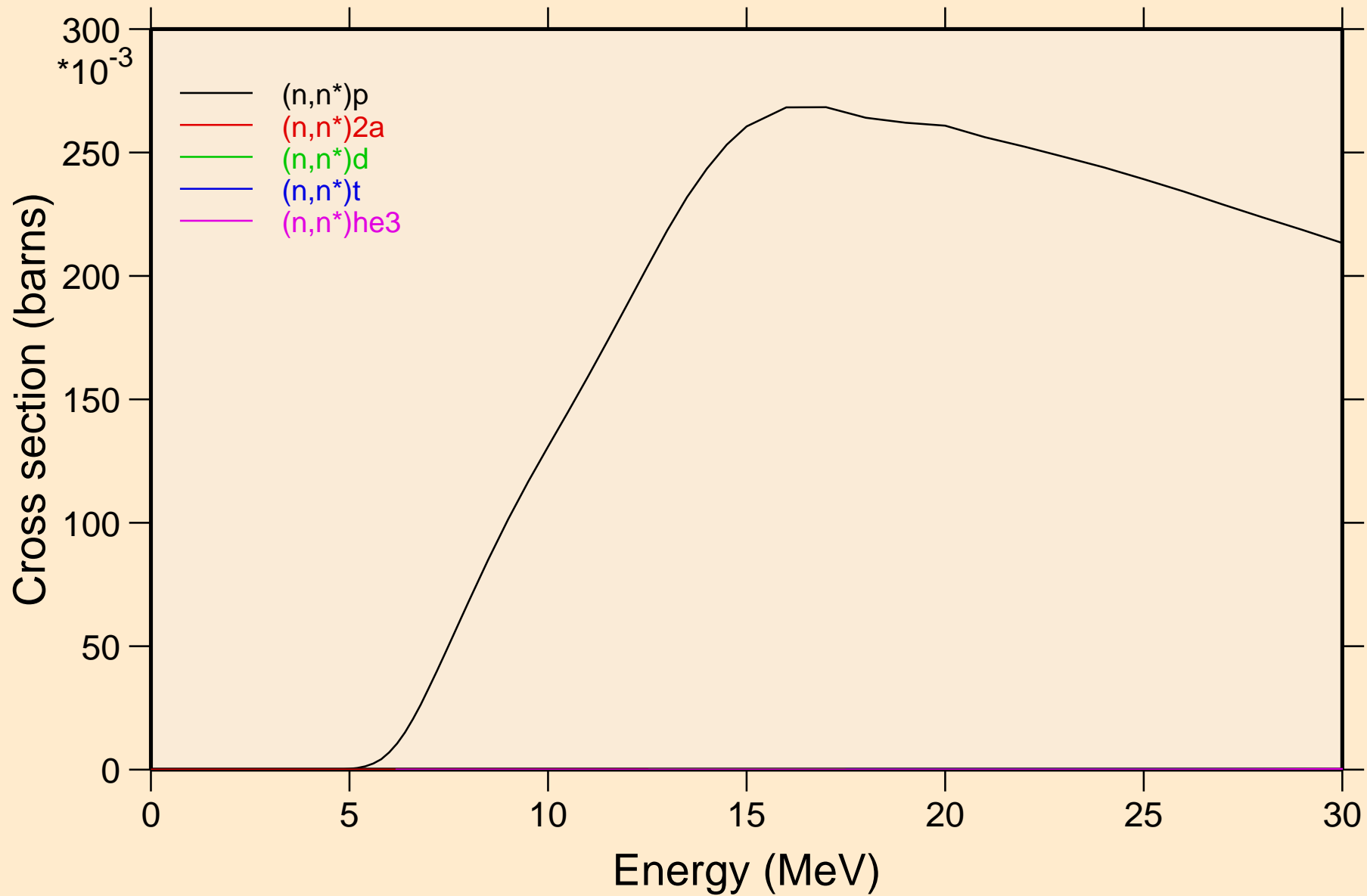


# HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Threshold reactions

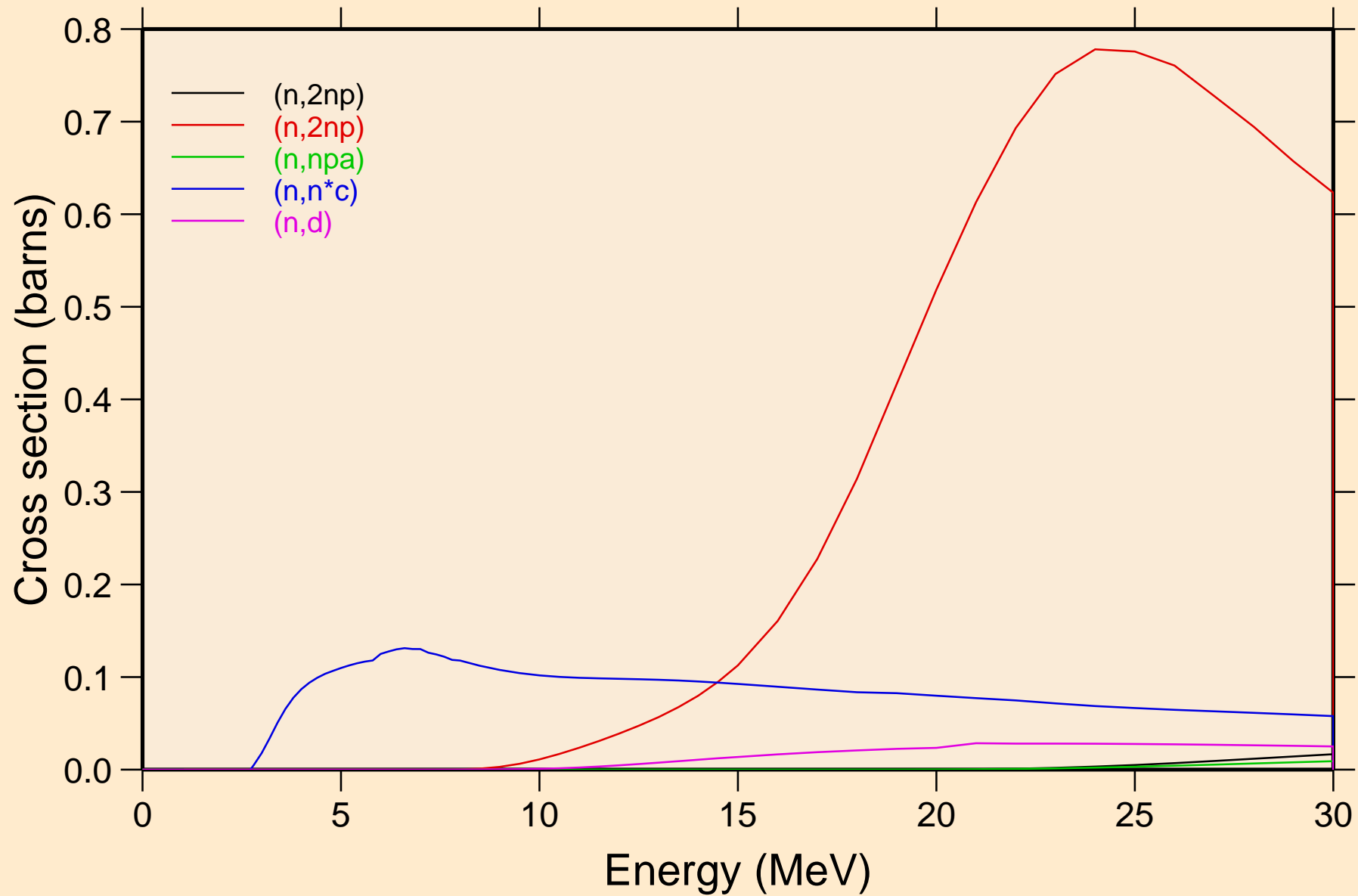


HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



# HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

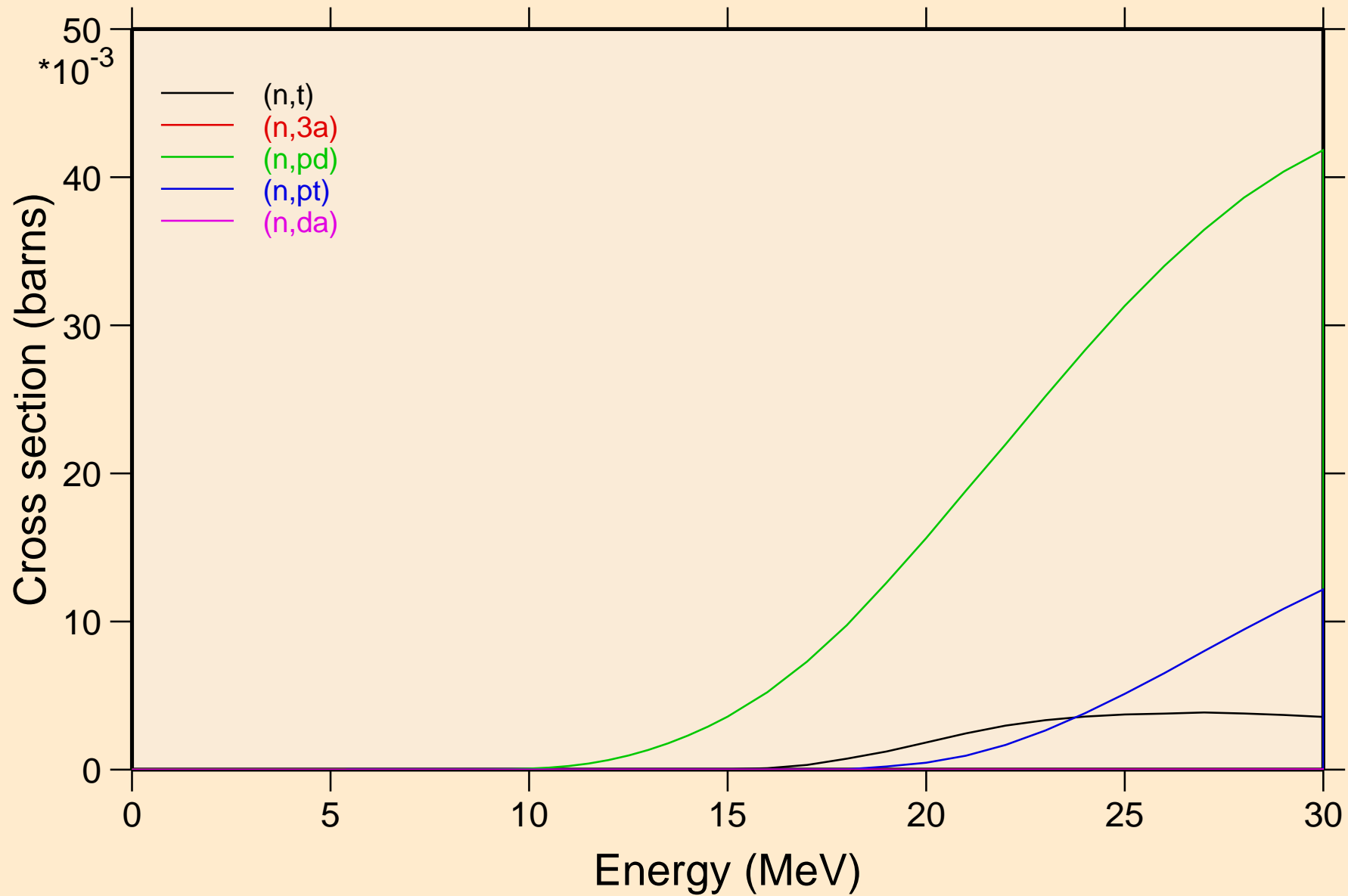
## Threshold reactions





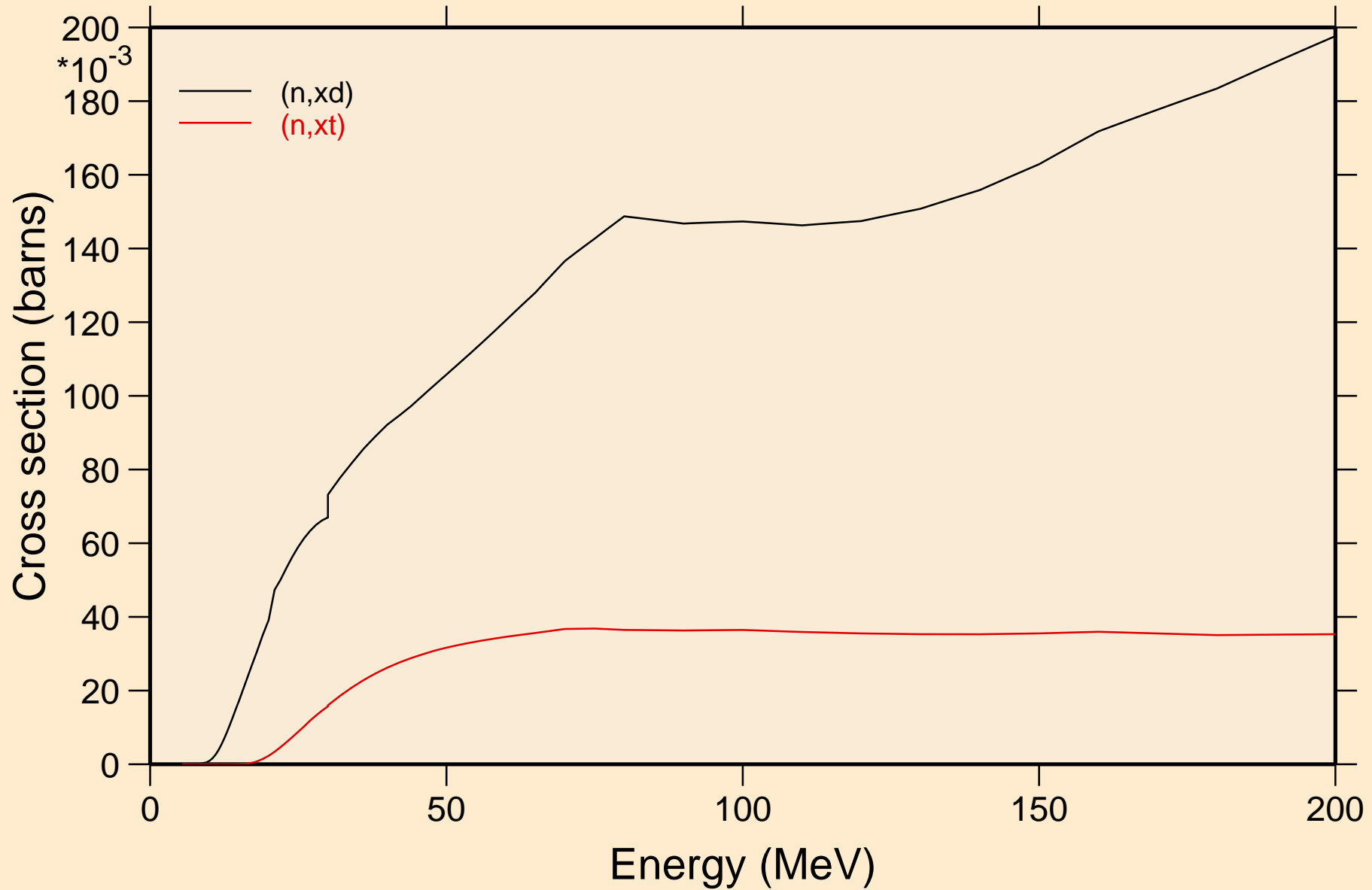
# HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Threshold reactions

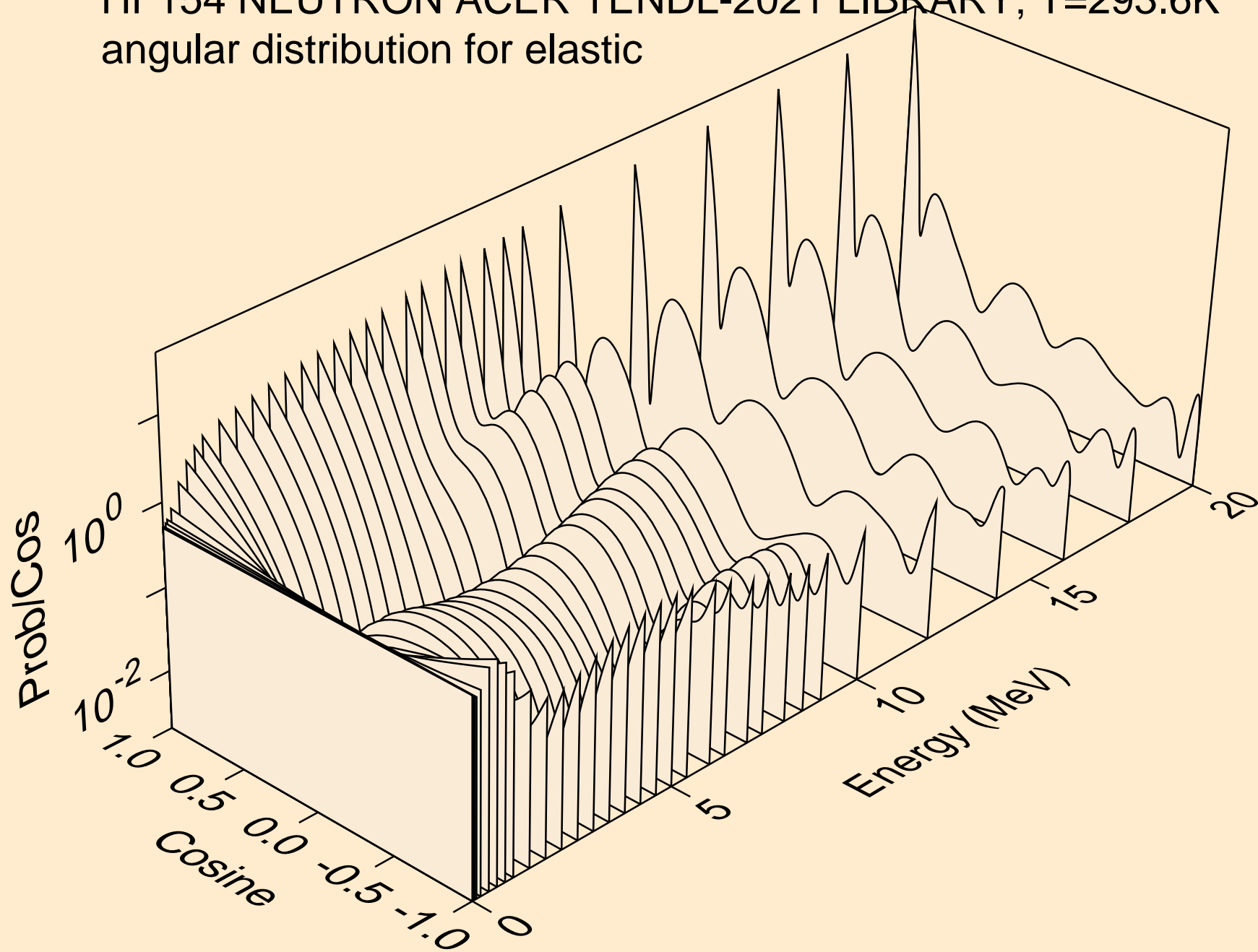


# HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

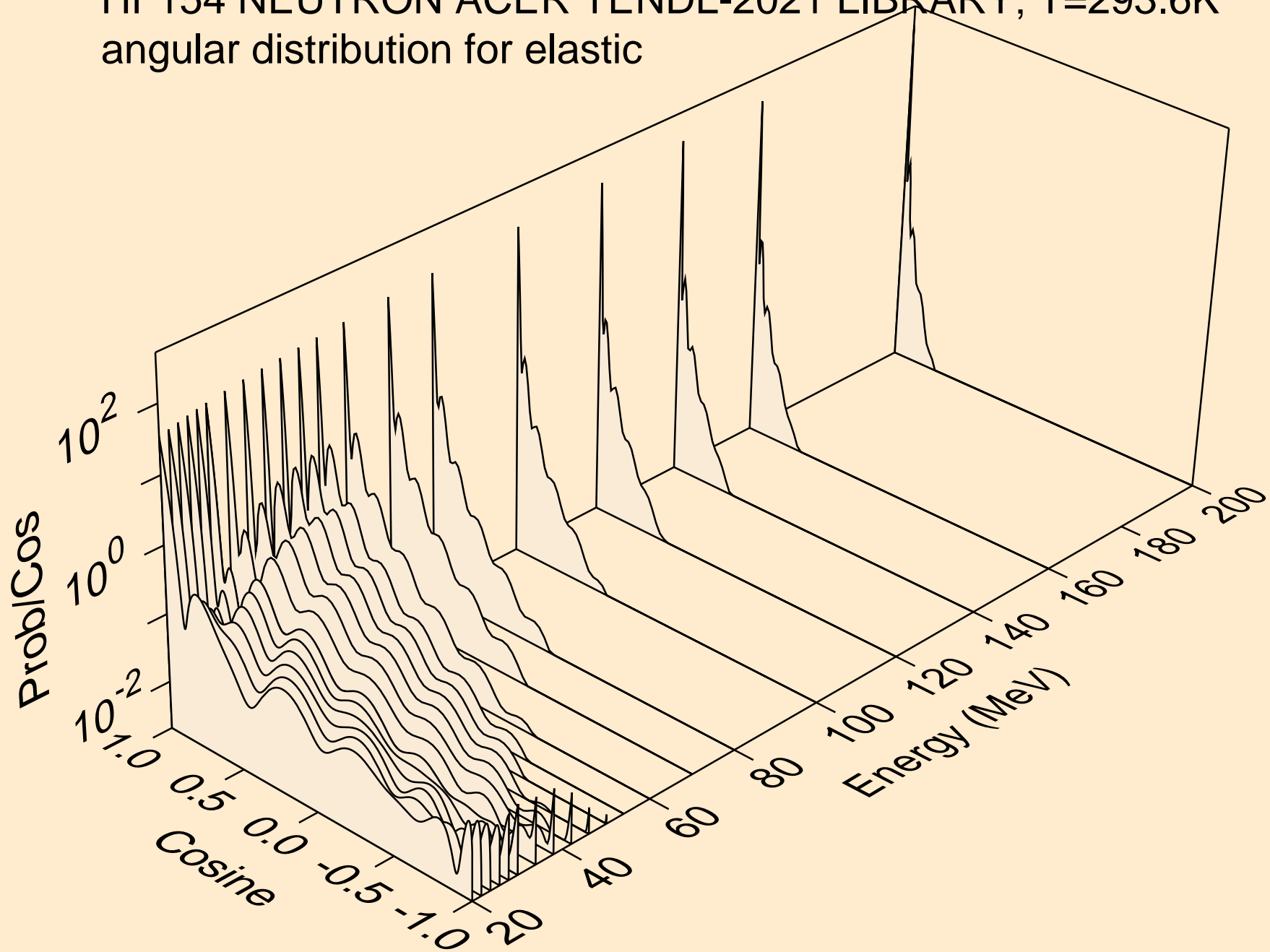
## Threshold reactions



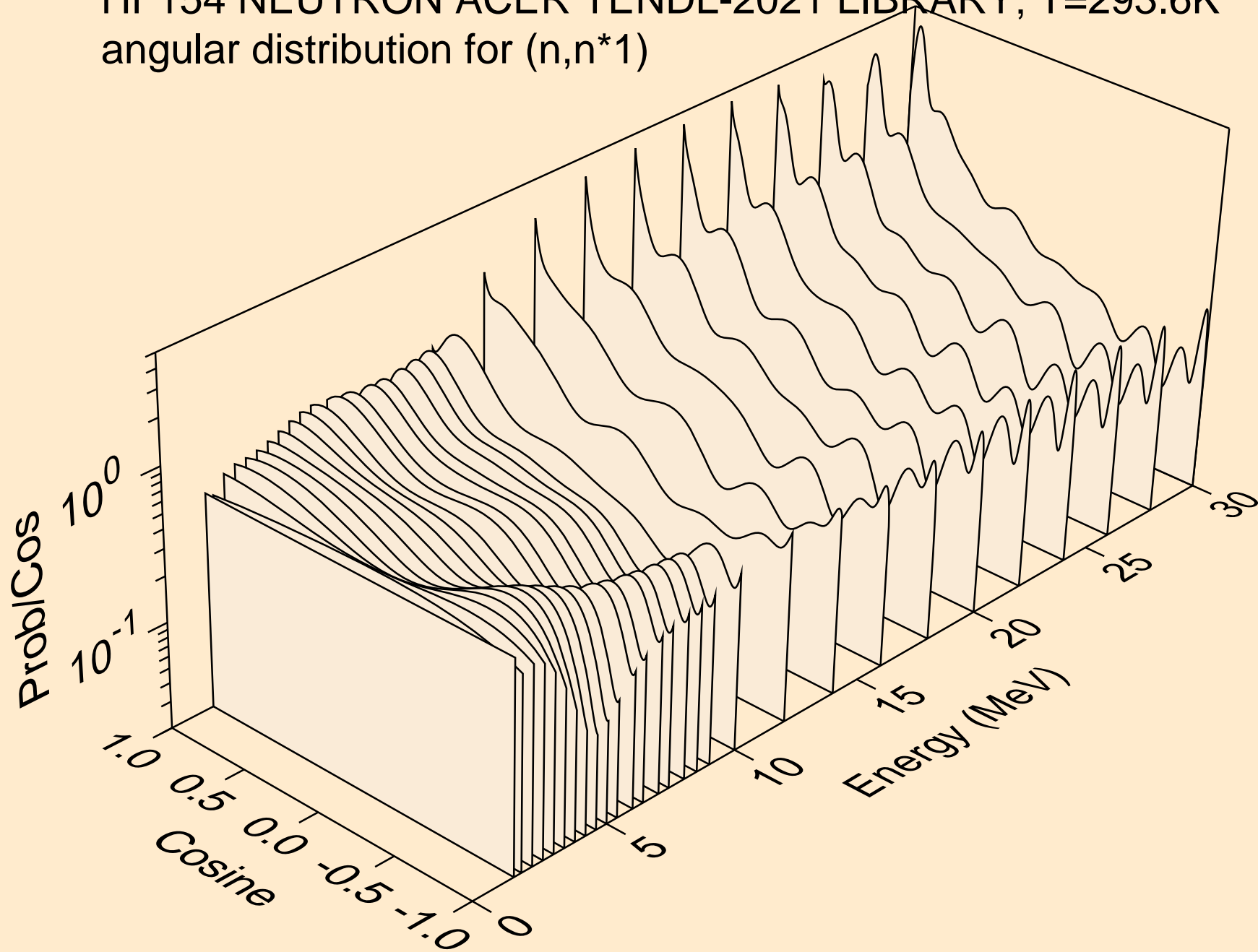
HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for elastic



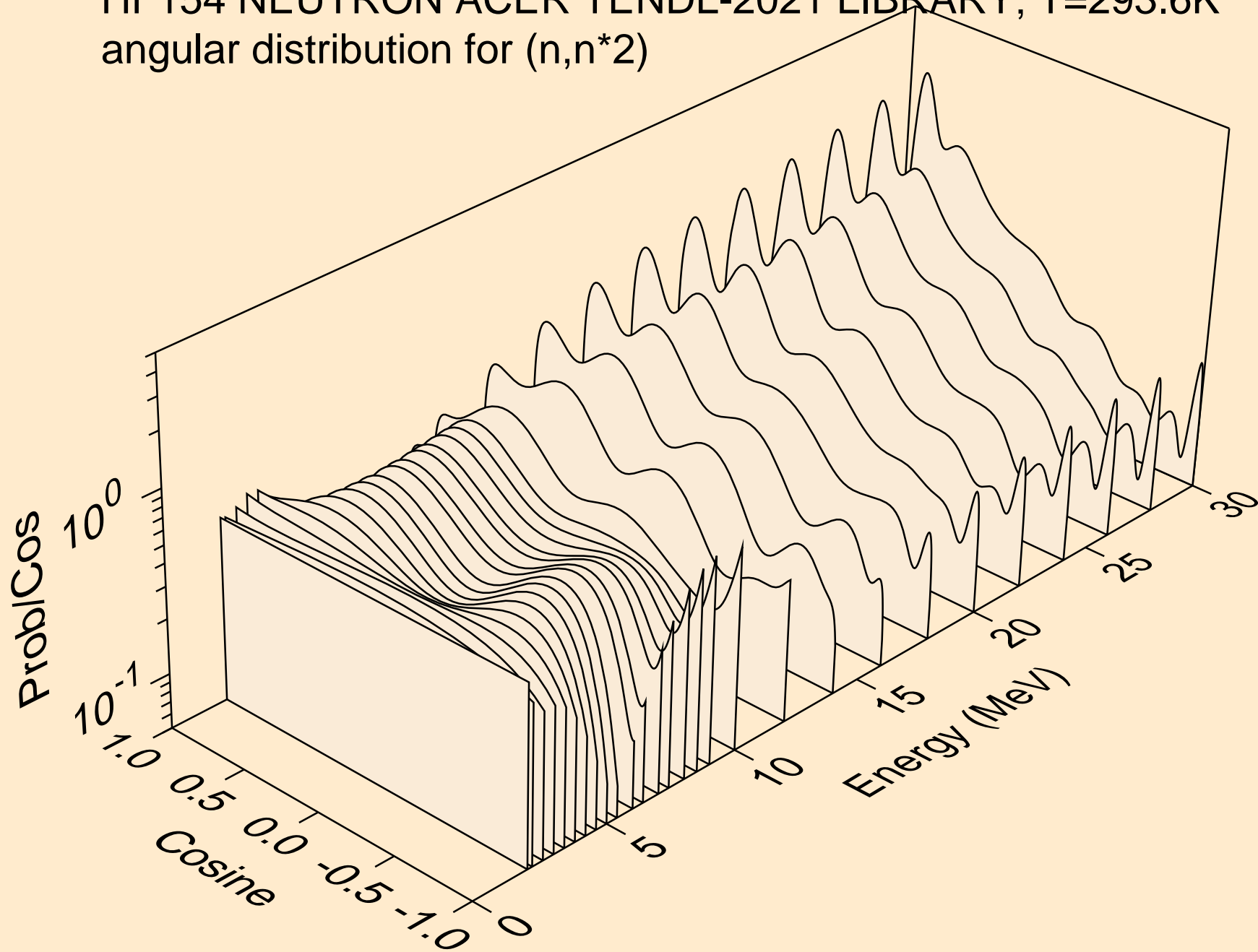
HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for elastic



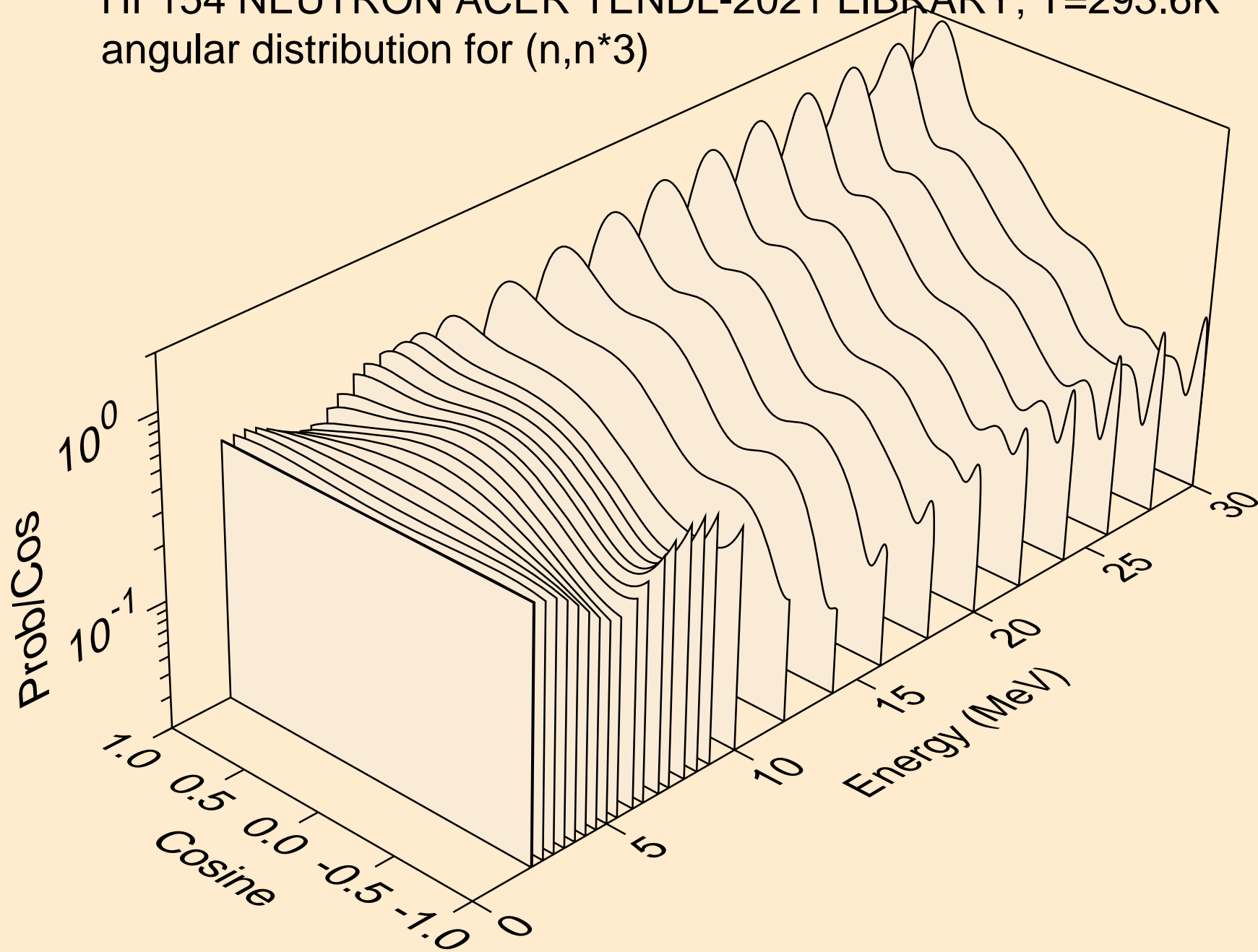
HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*1)



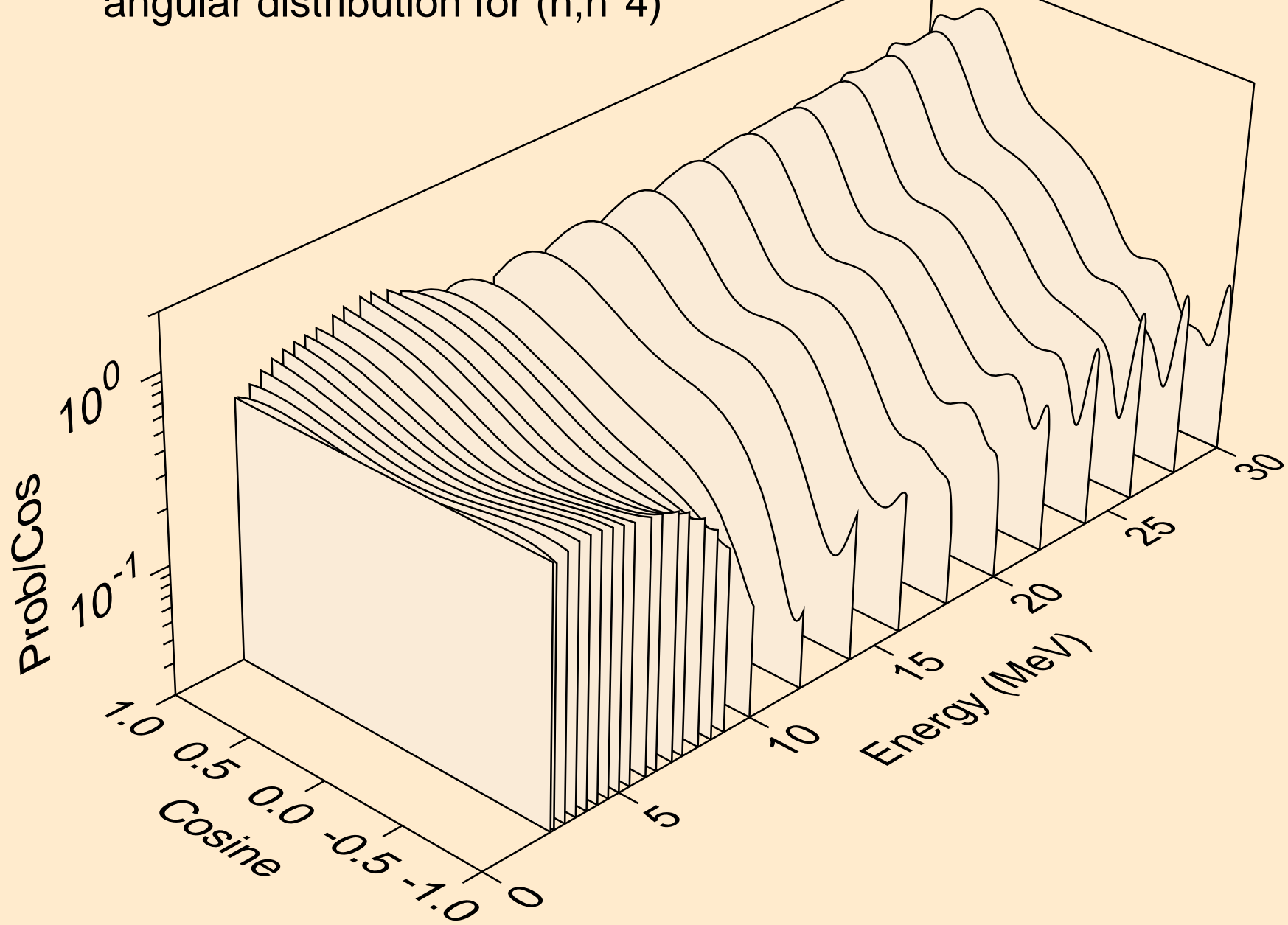
HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*2)



HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*3)

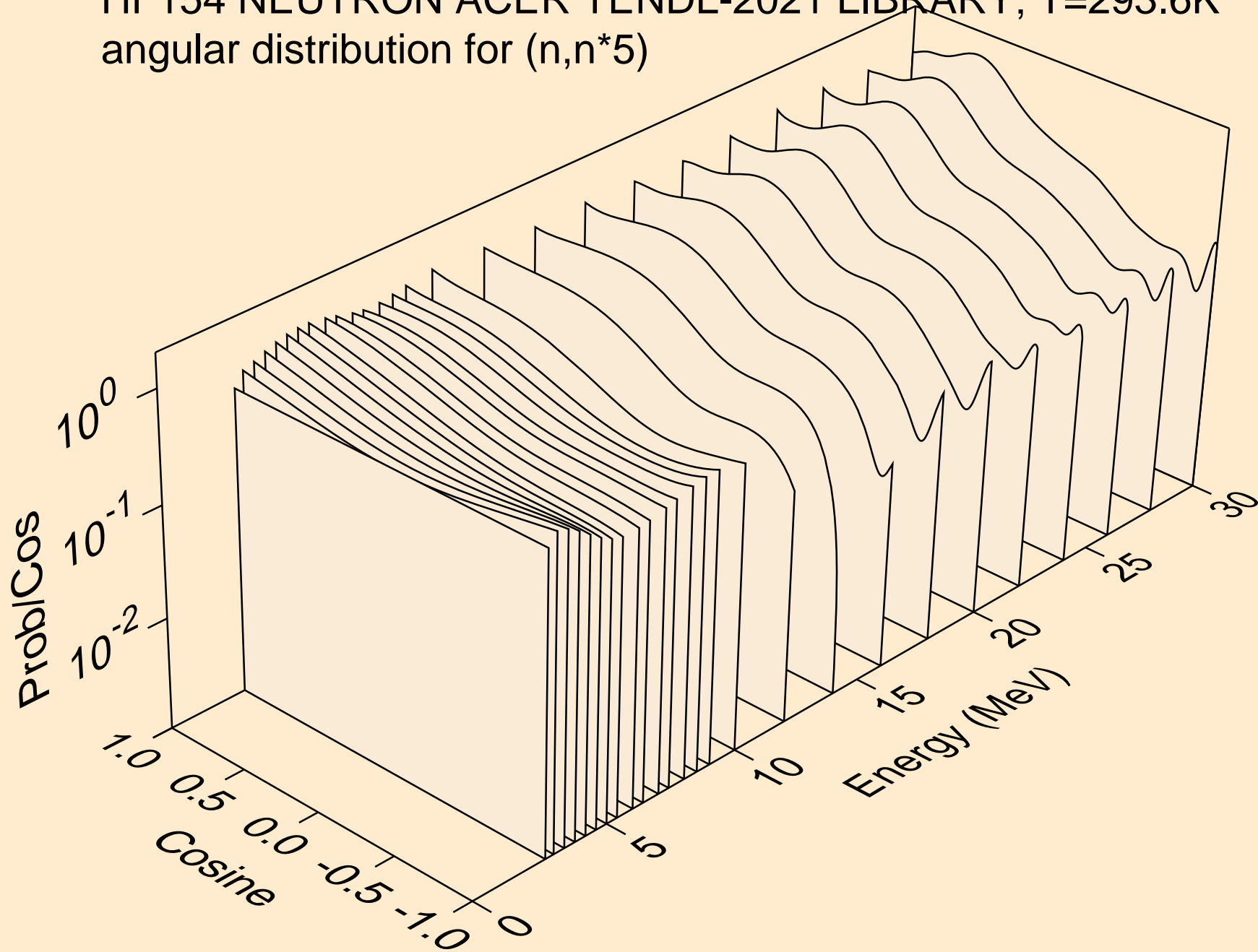


HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*4)

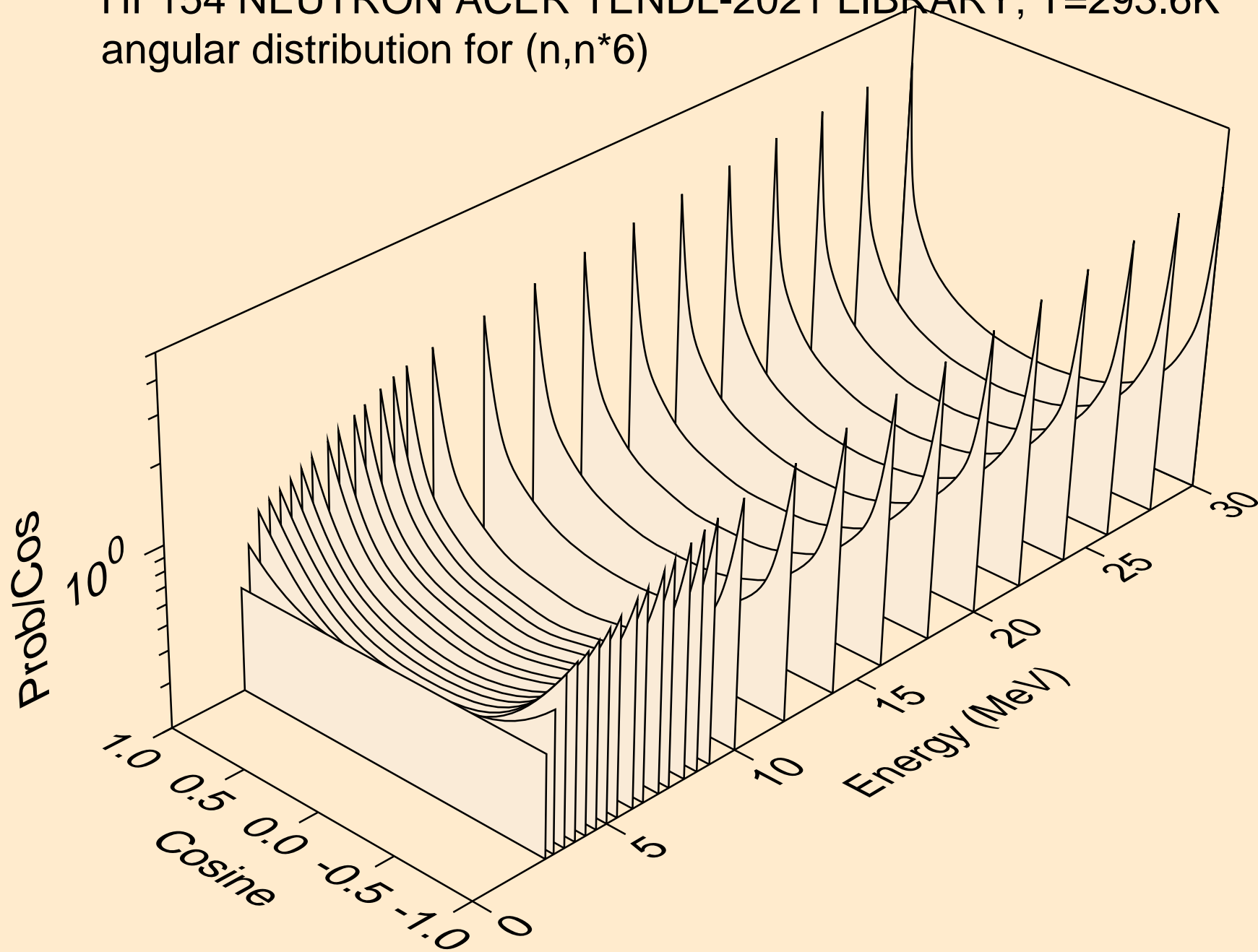




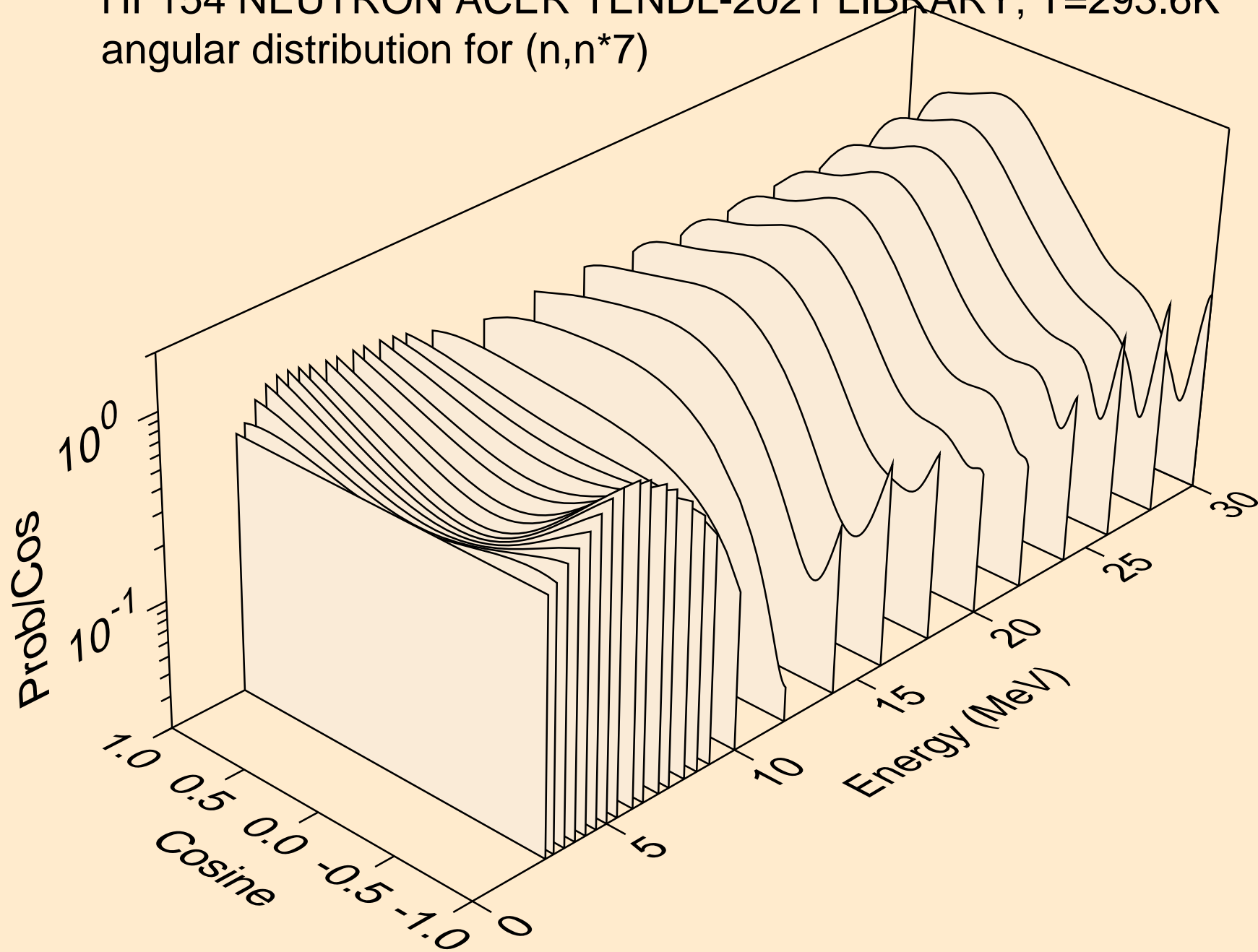
HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*5)



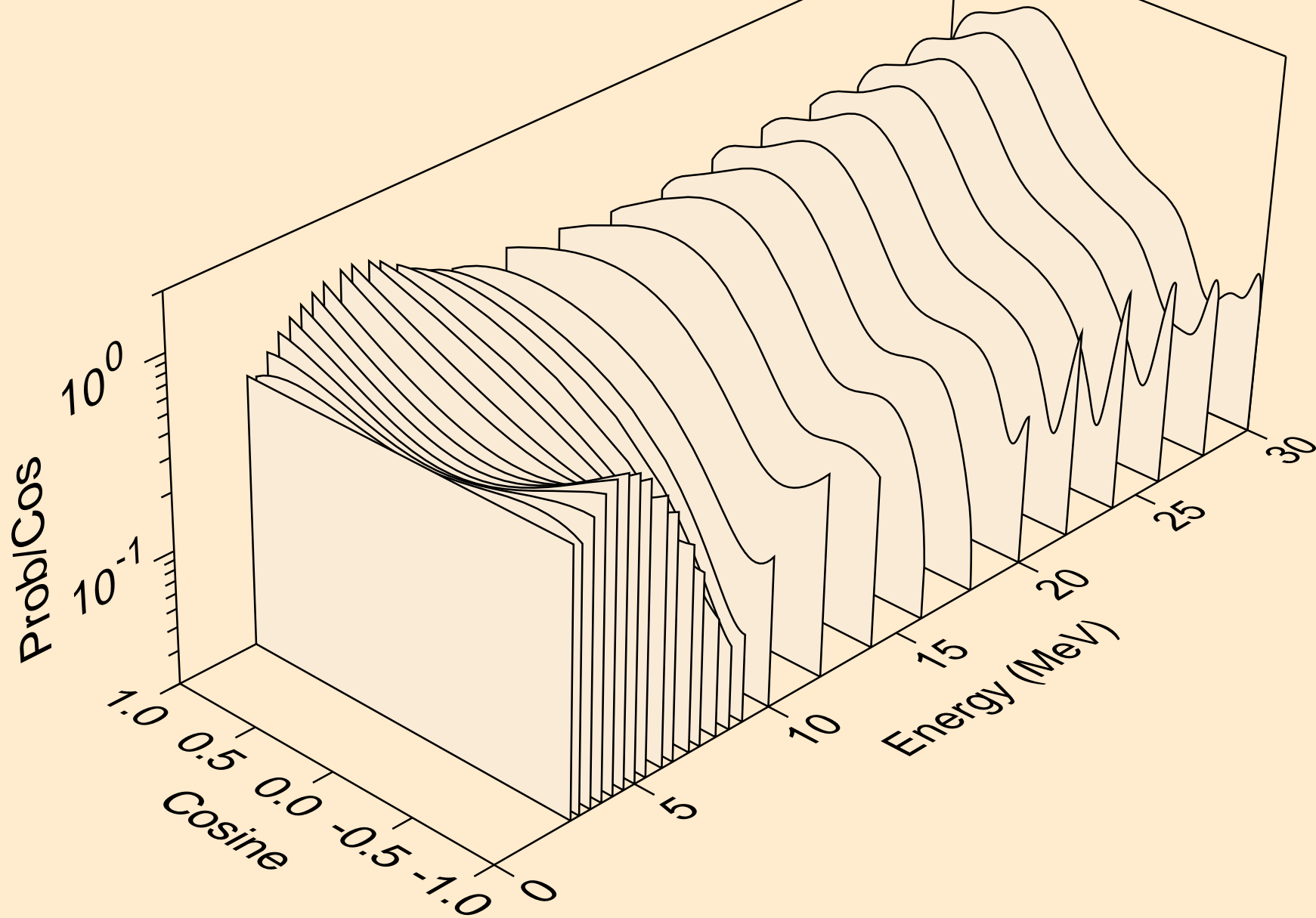
HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*6)



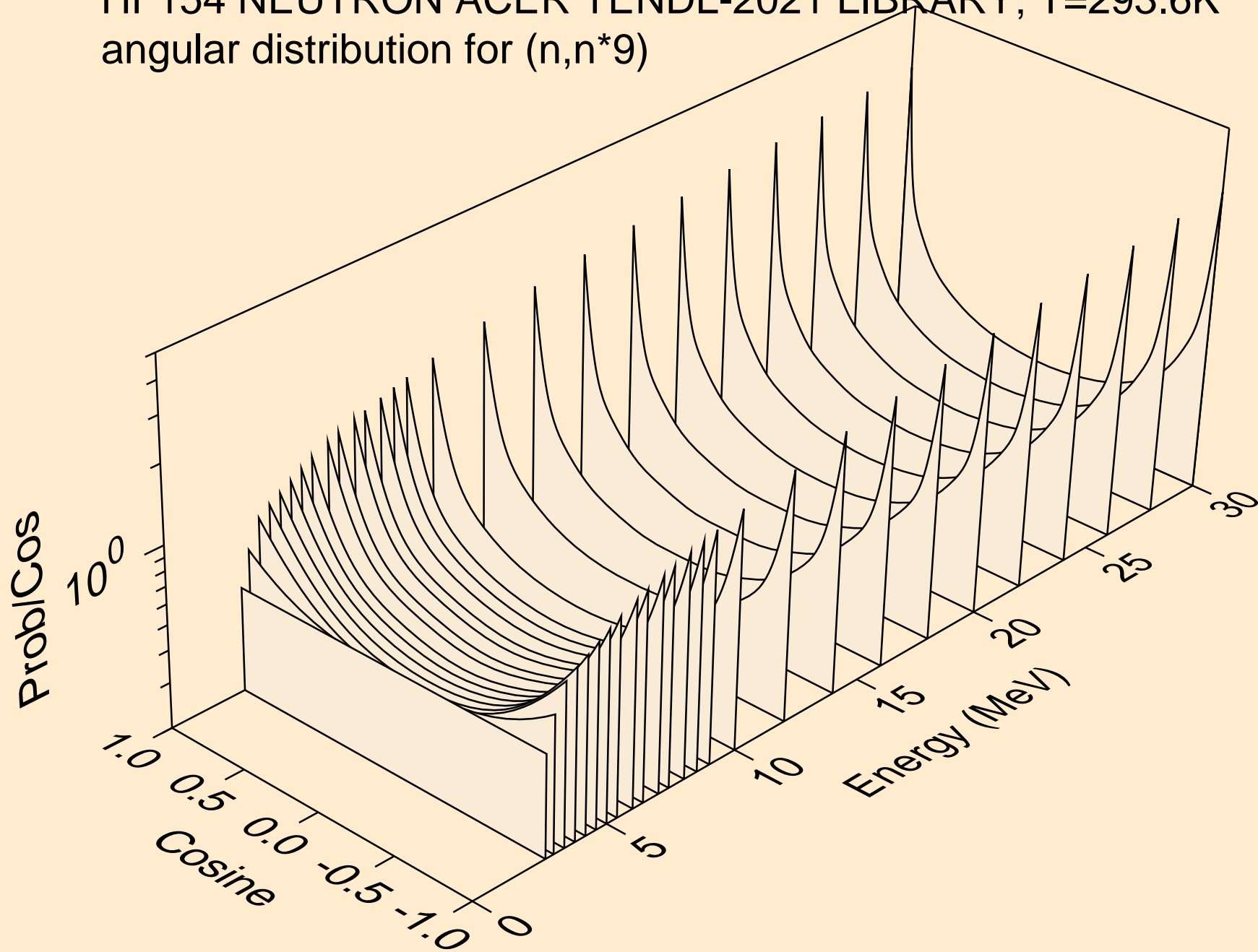
HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*7)



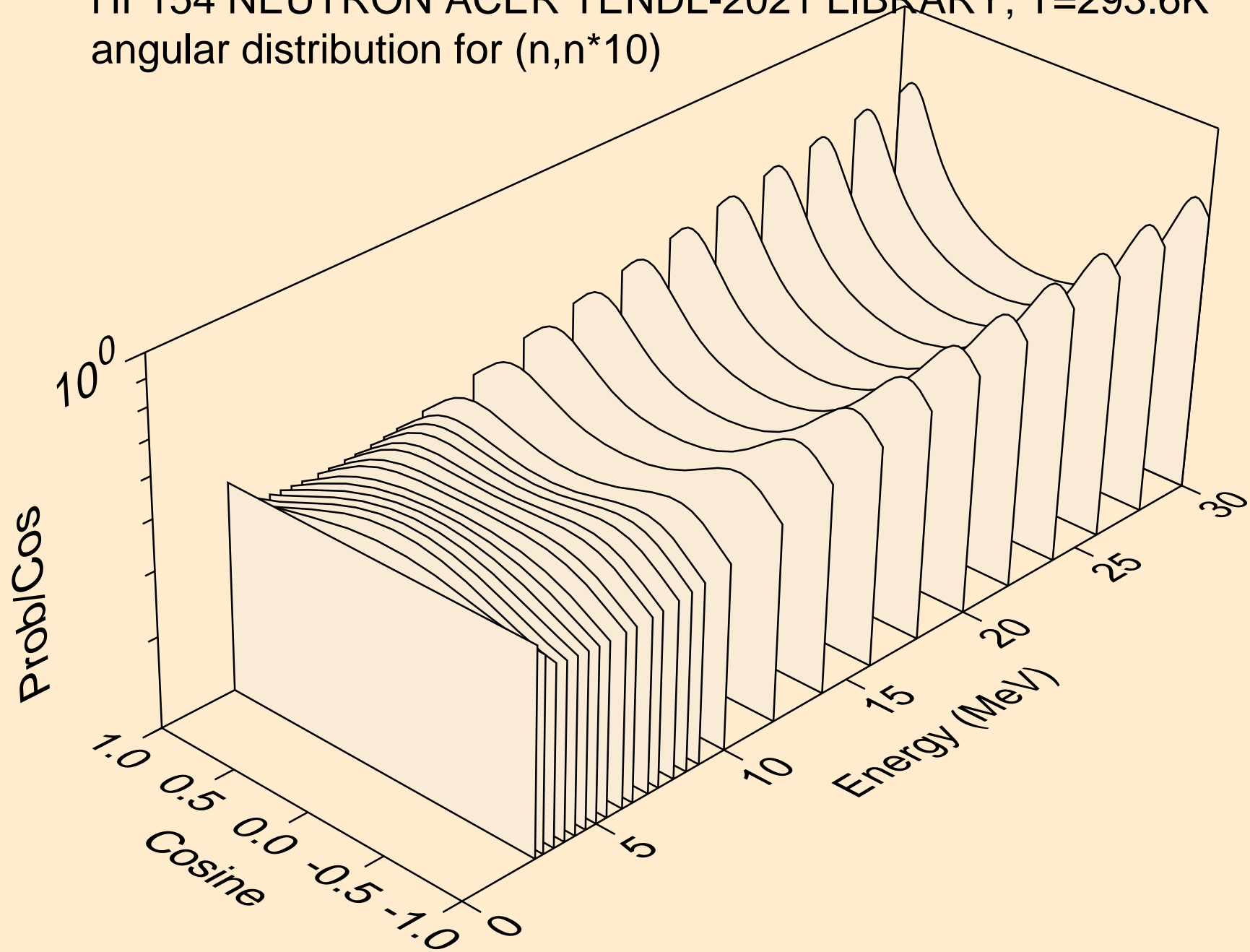
HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*8)



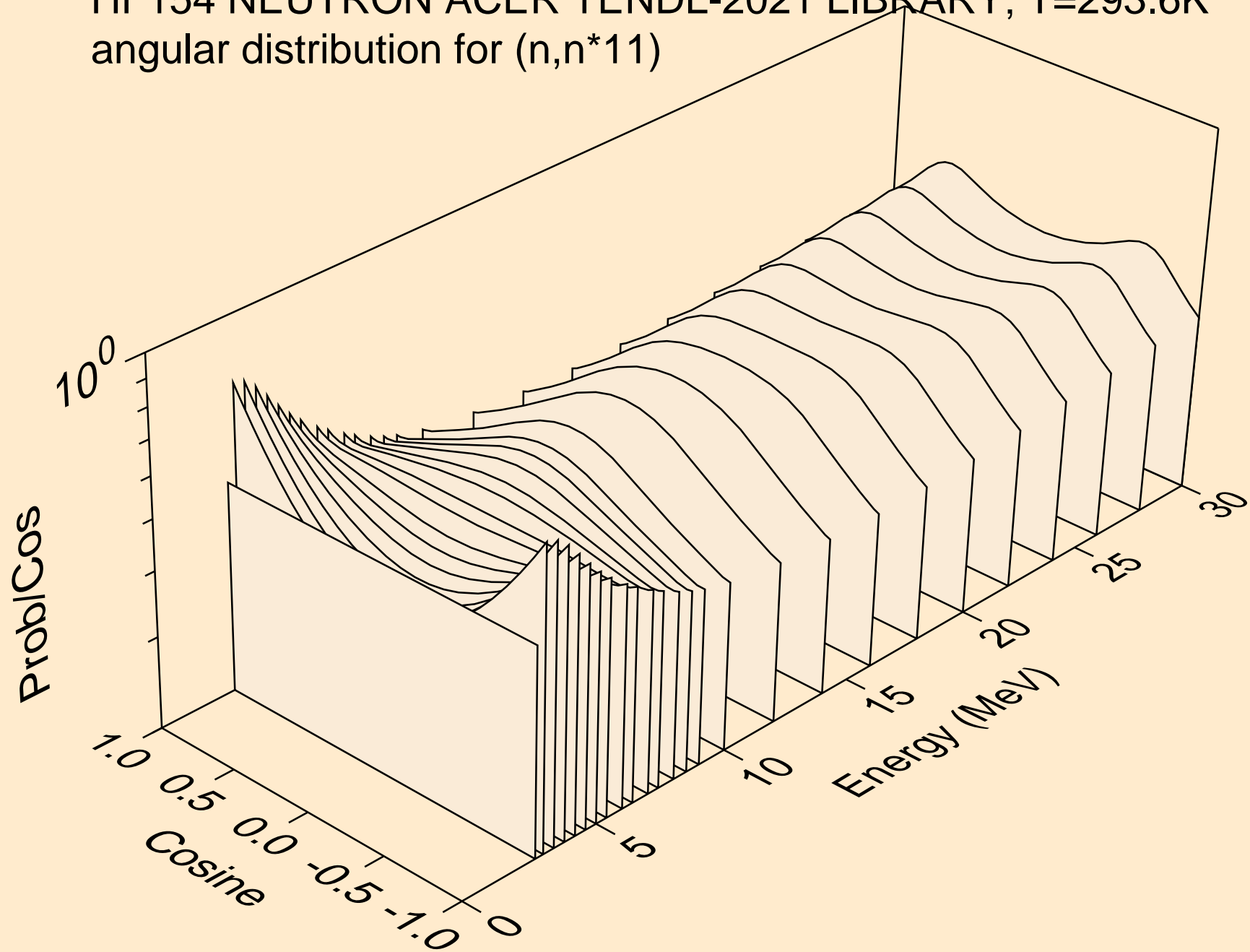
HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*9)



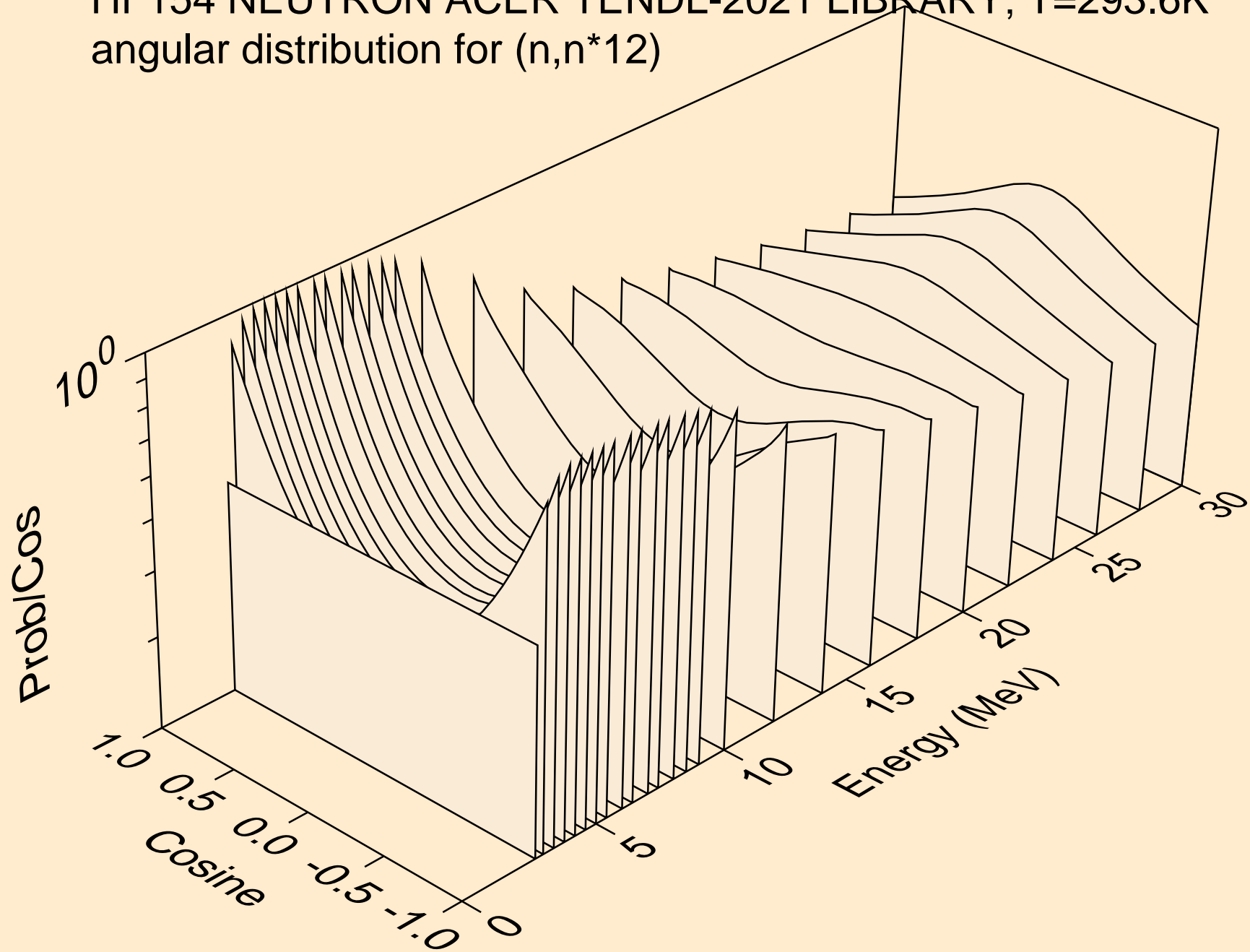
HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*10)



HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*11)

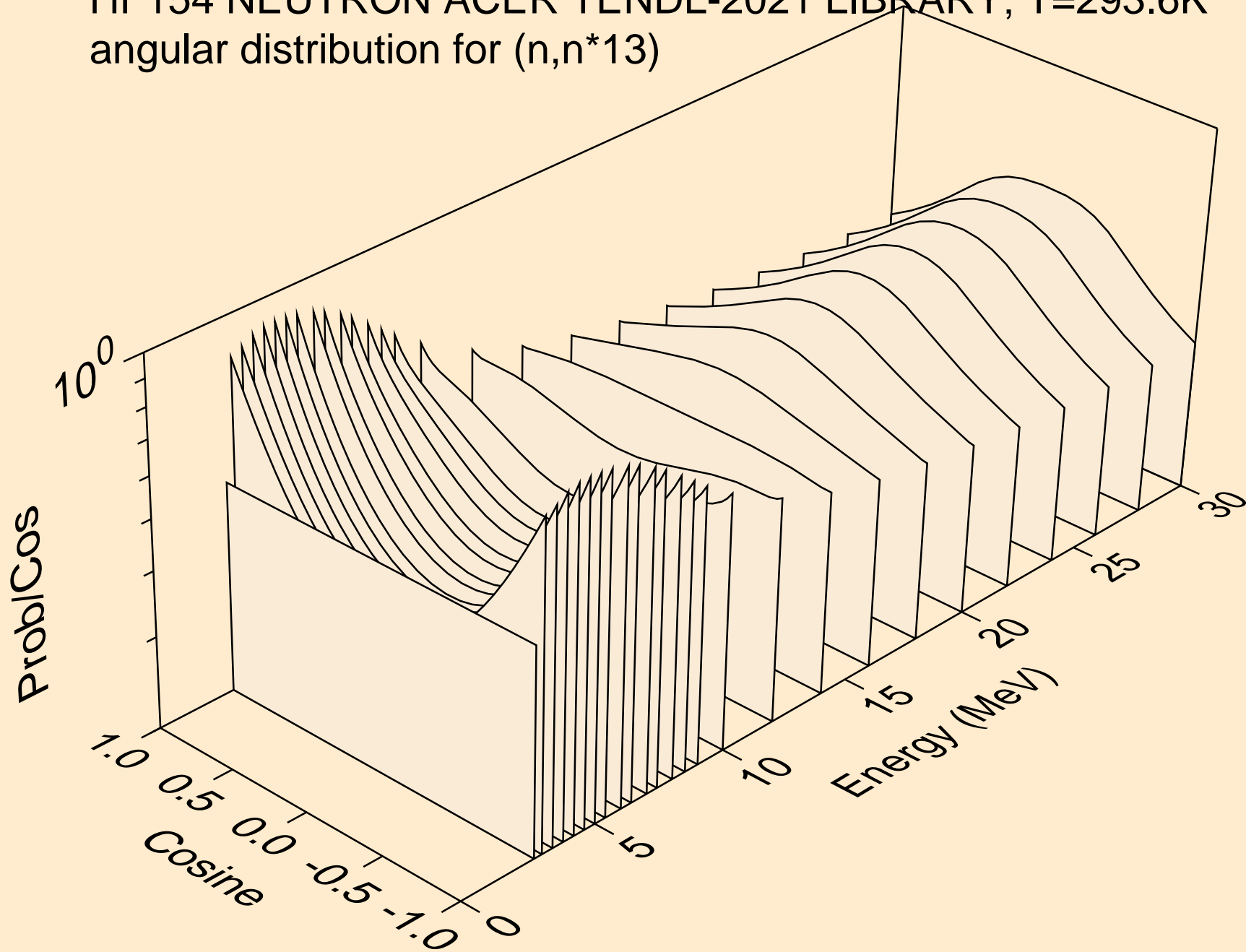


HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*12)

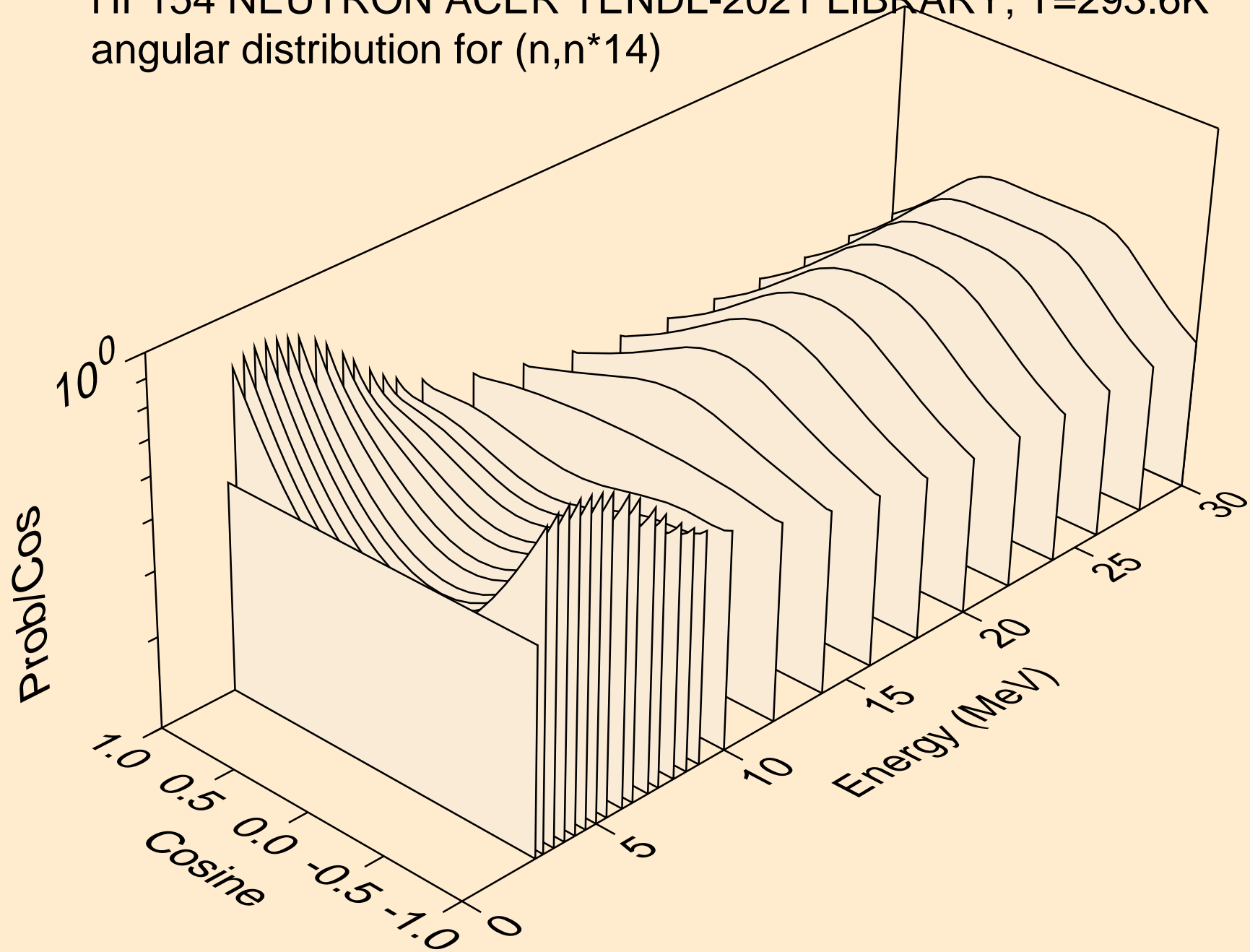




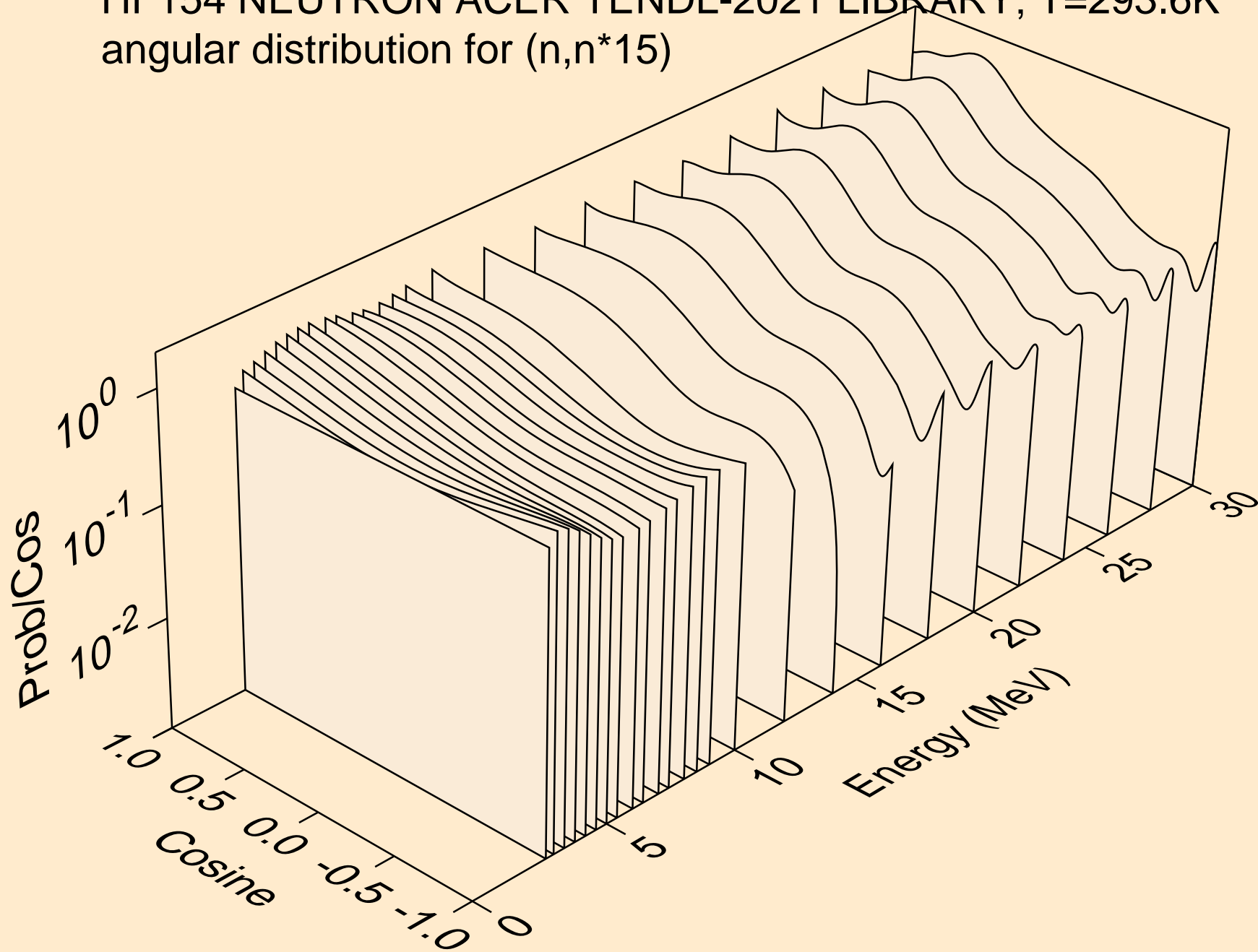
HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*13)



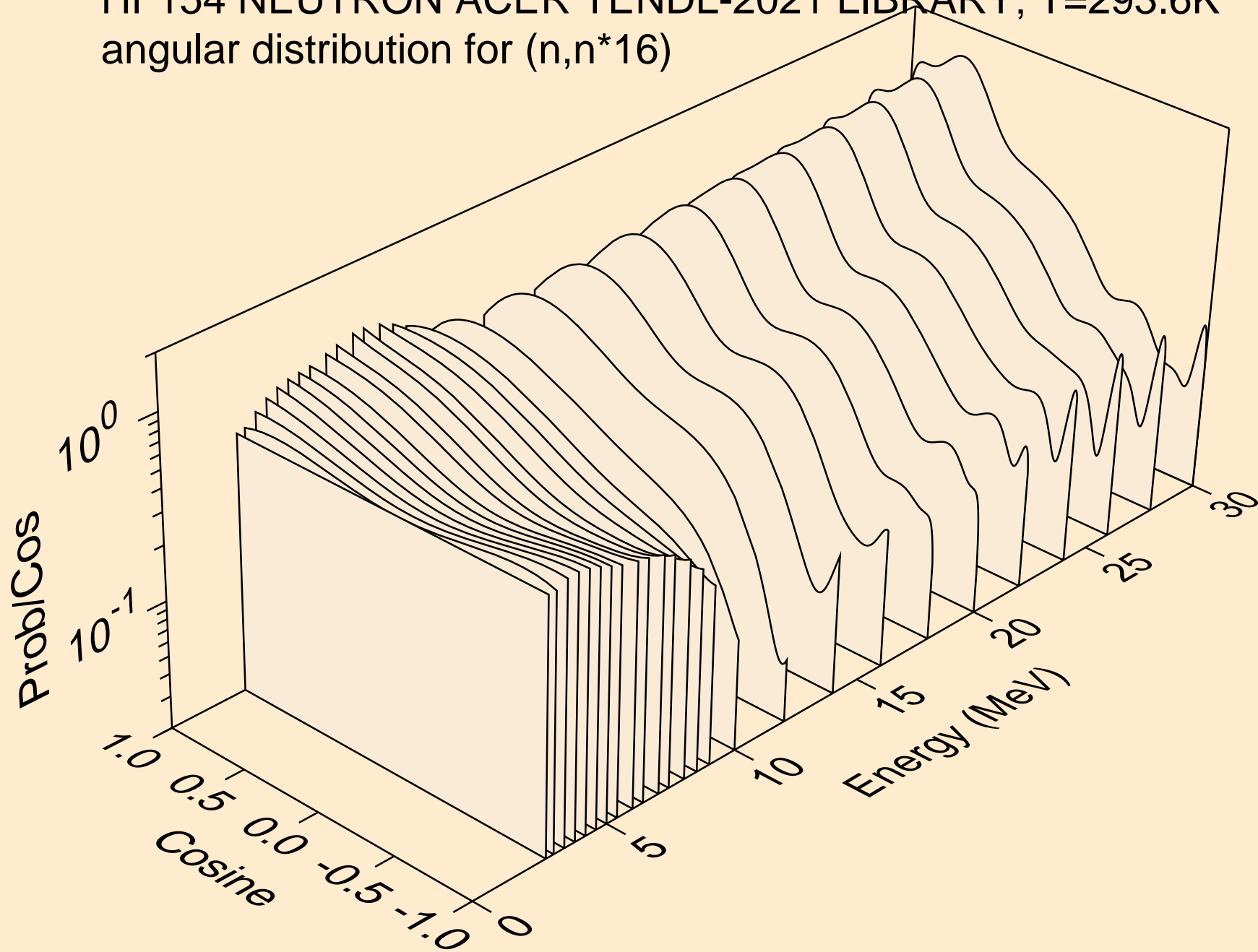
HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*14)



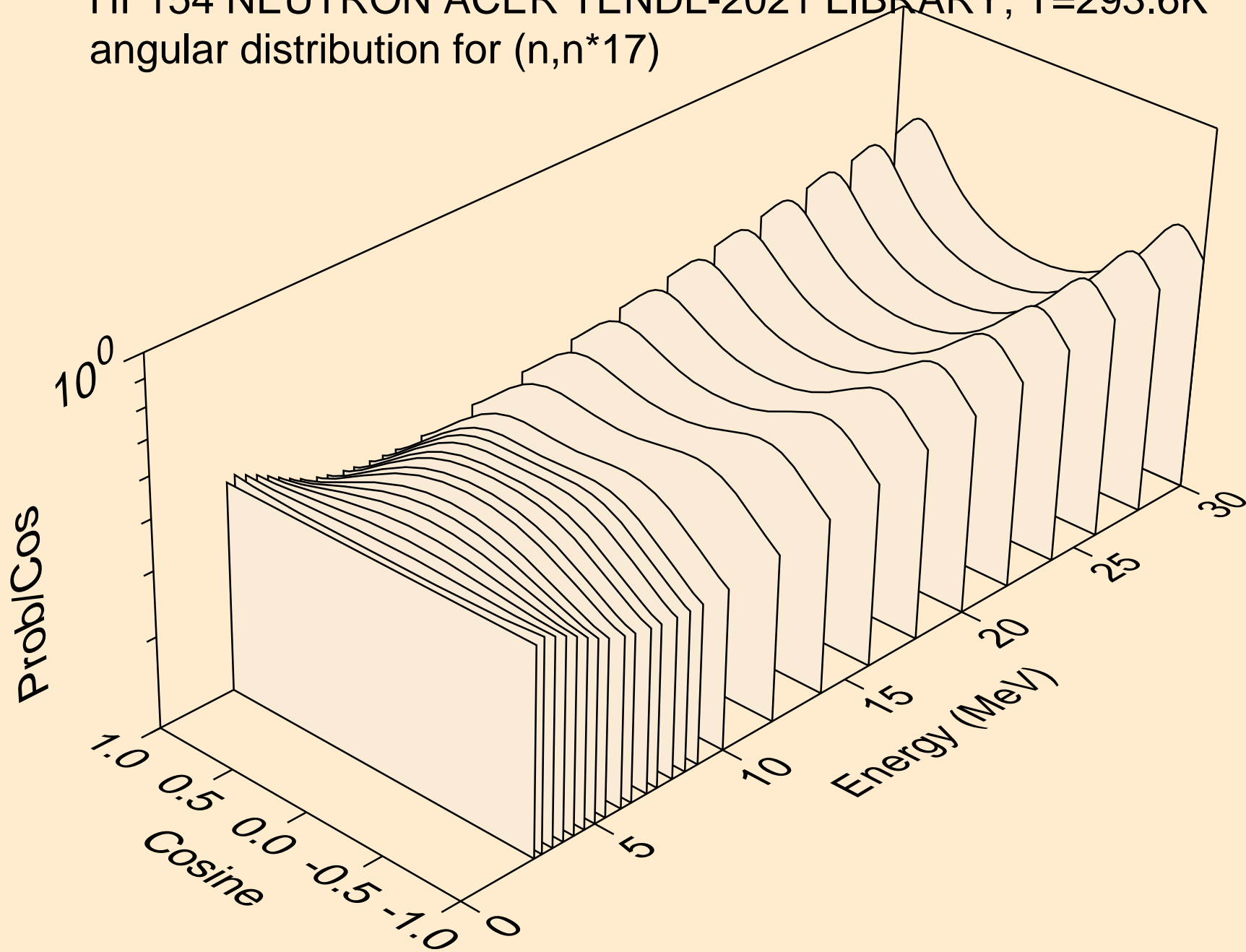
HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*15)



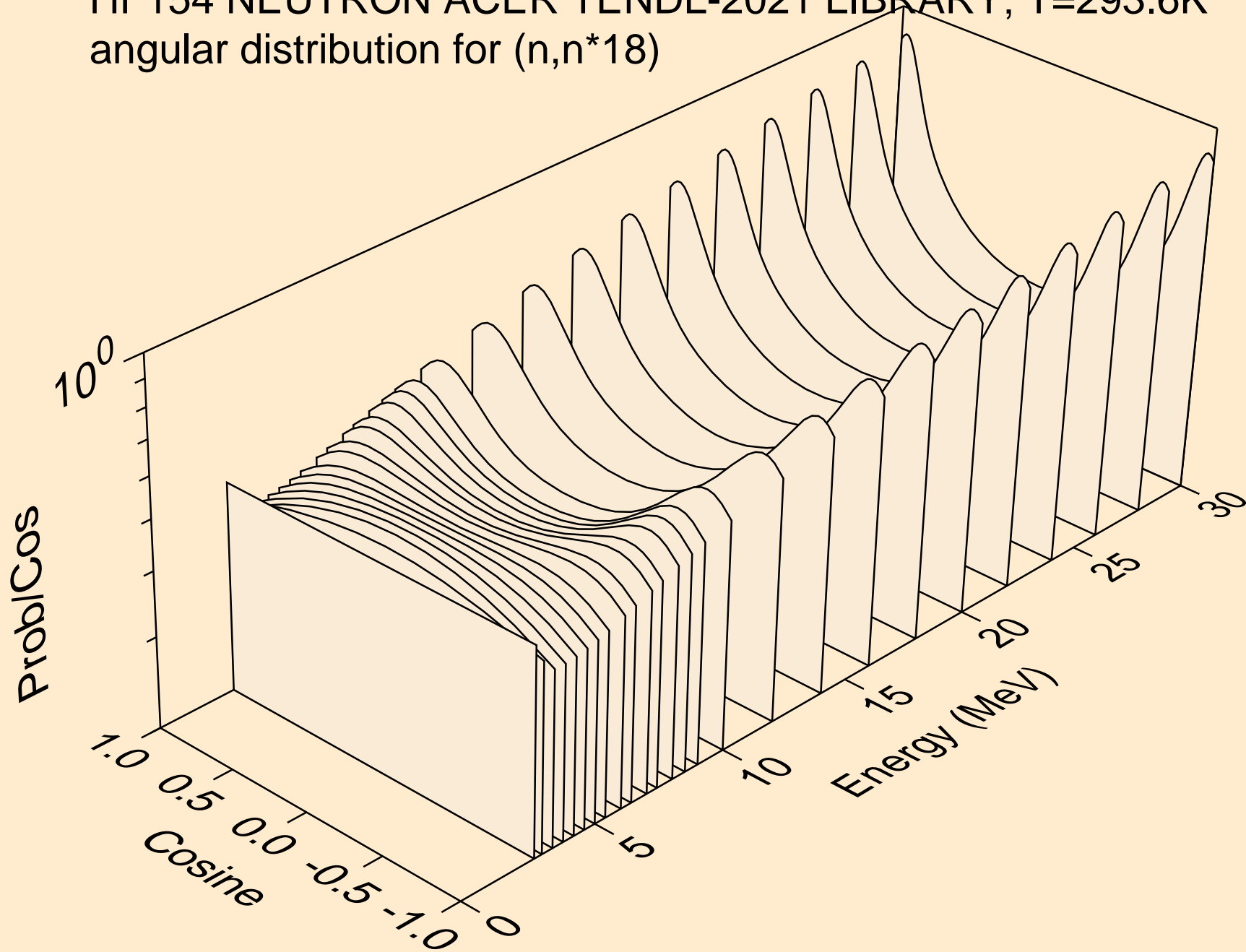
HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*16)



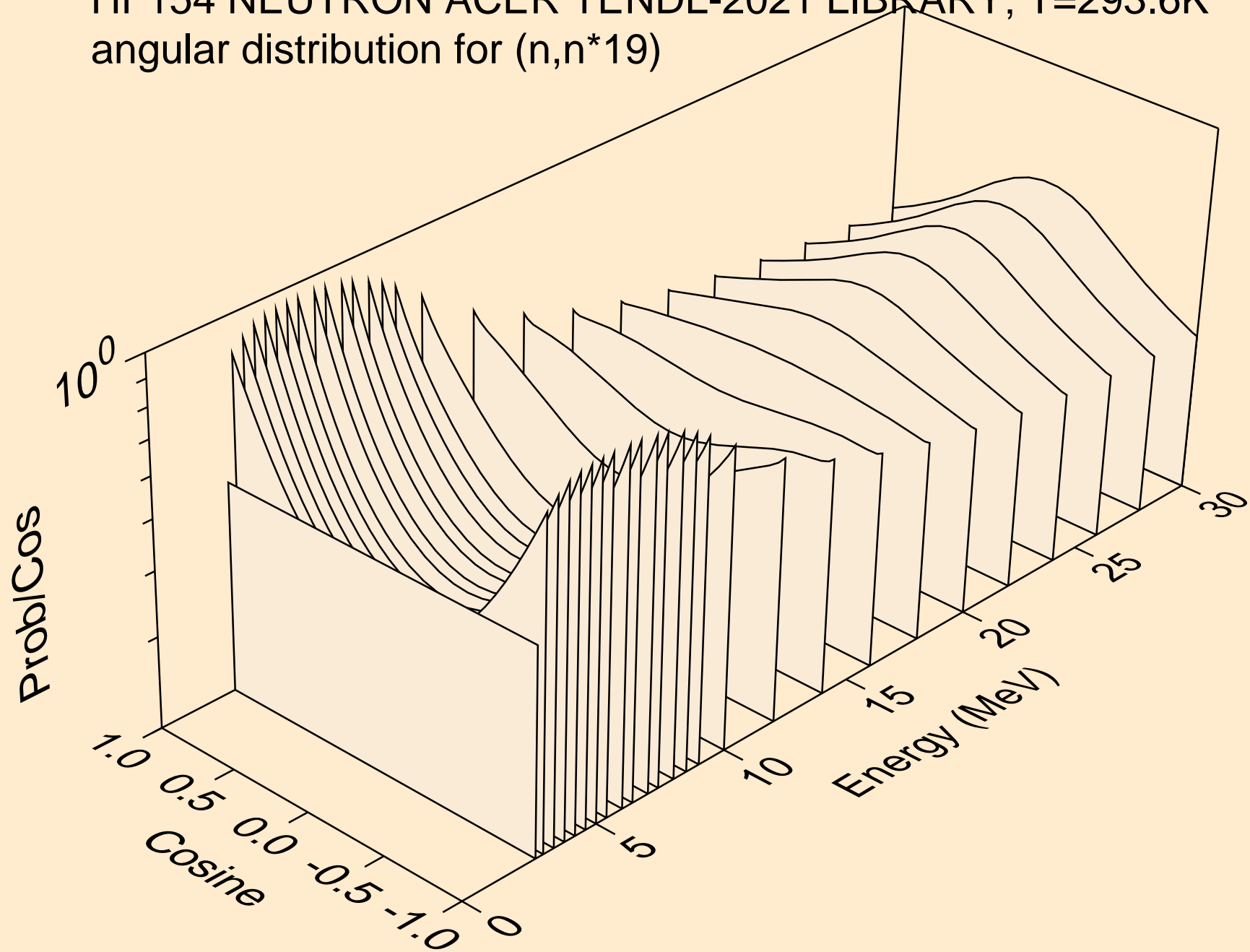
HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*17)



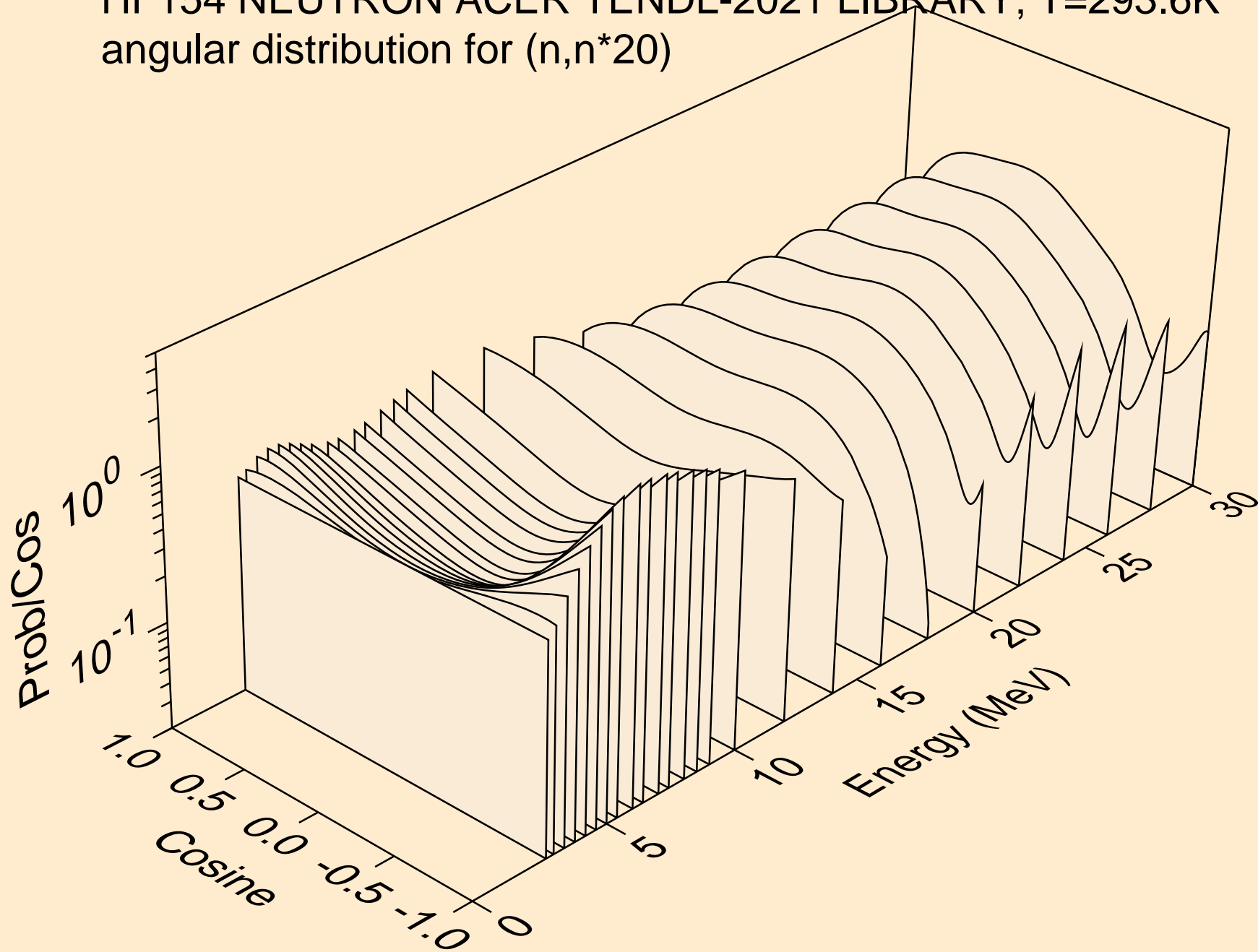
HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*18)



HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*19)

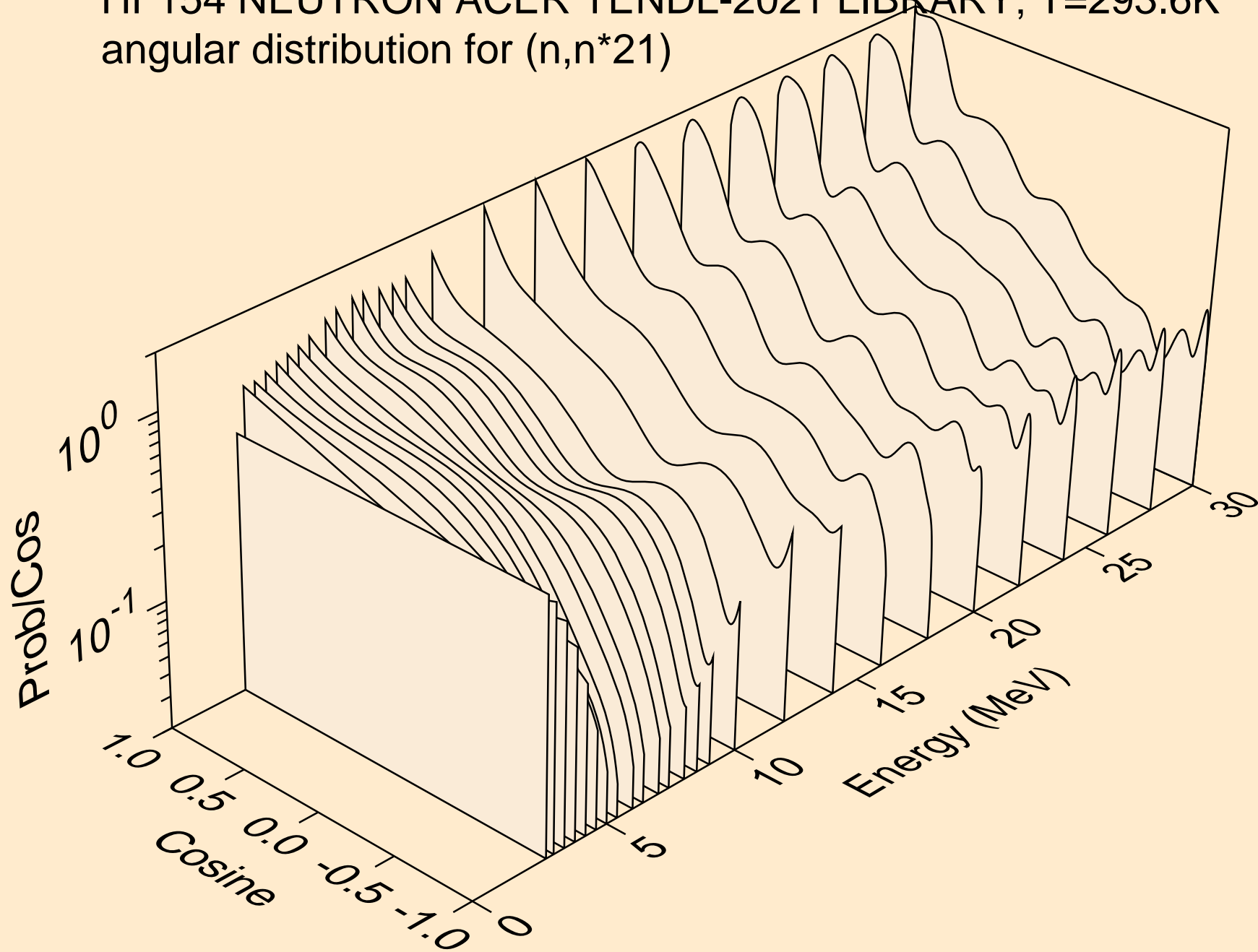


HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*20)

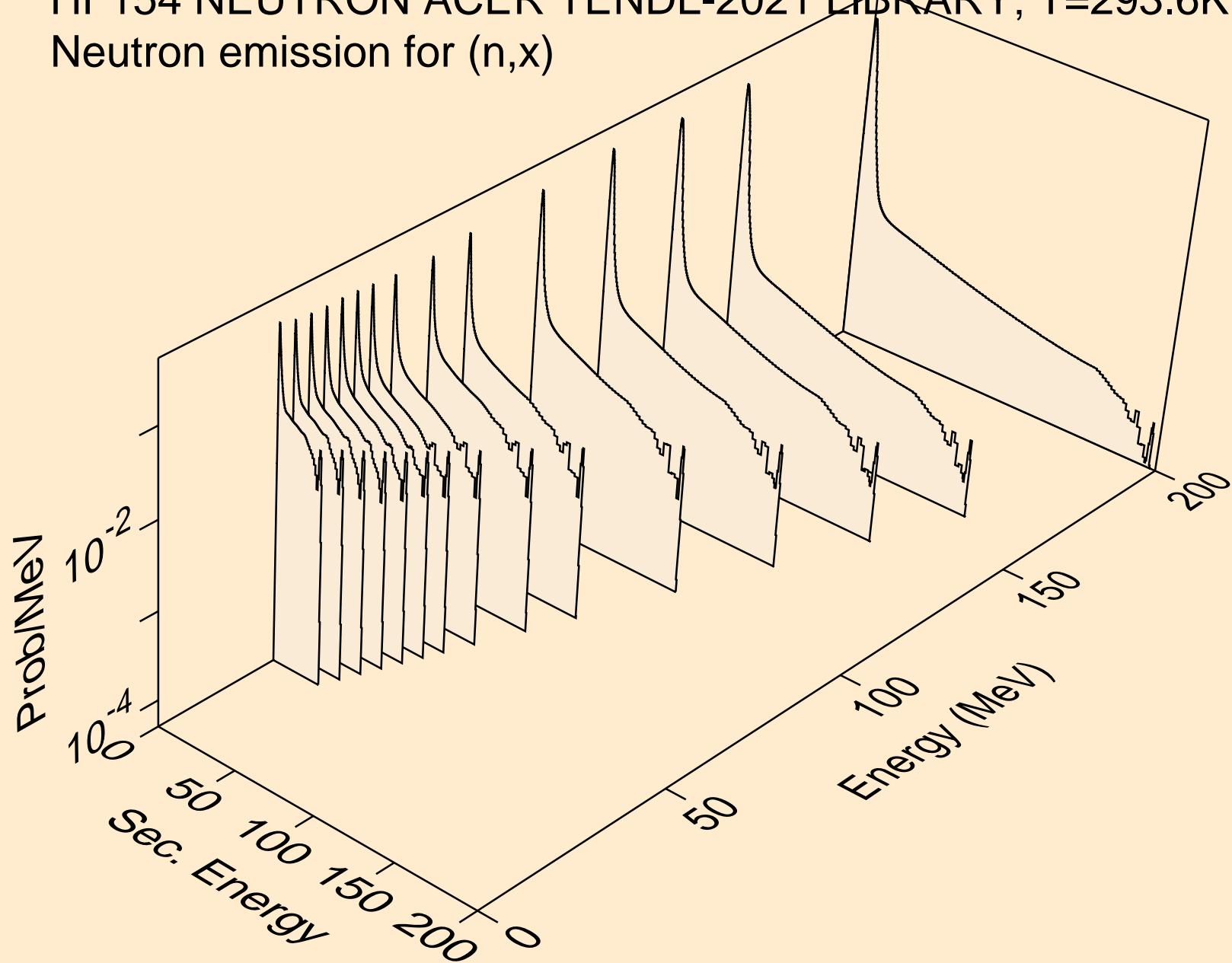




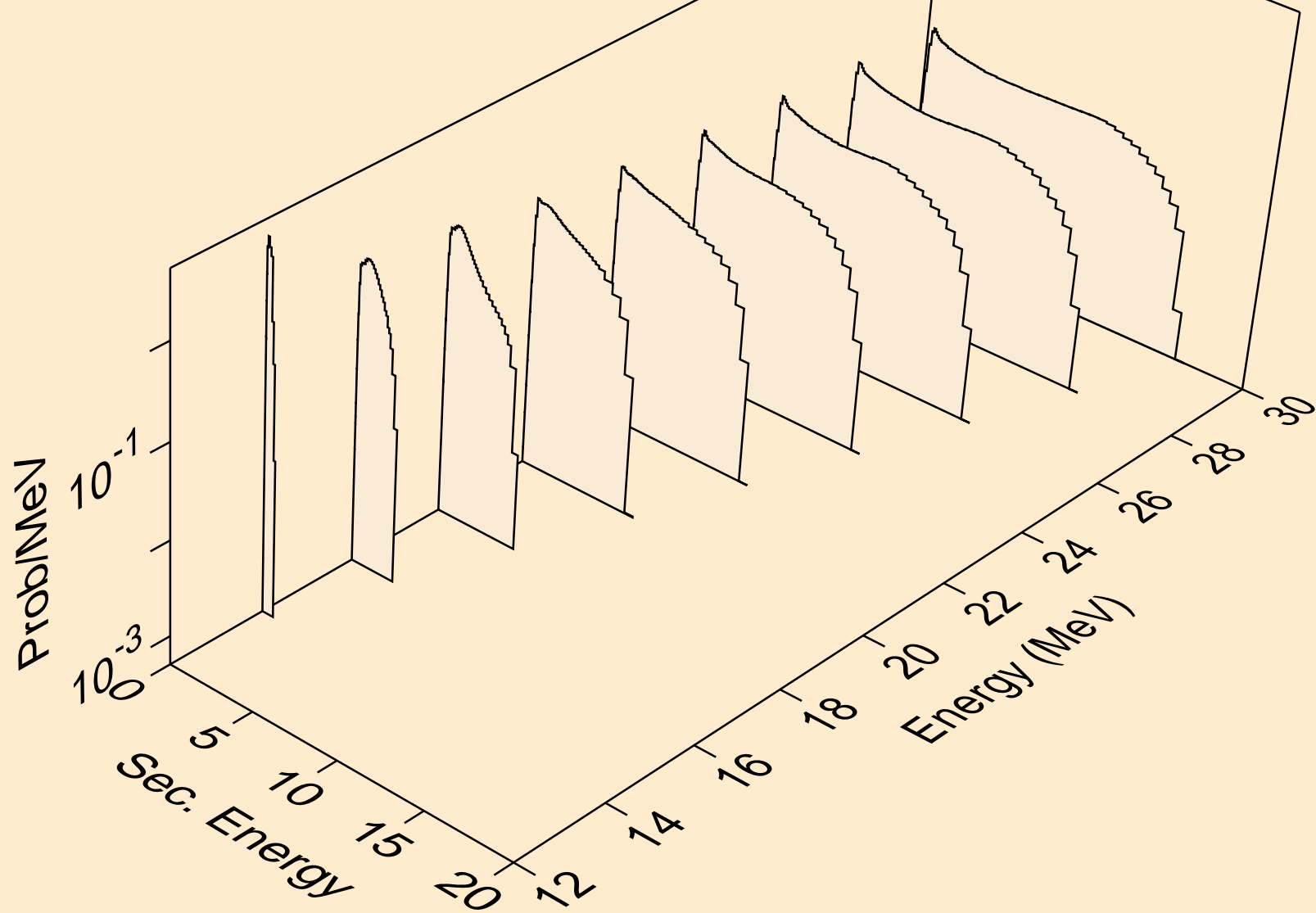
HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*21)



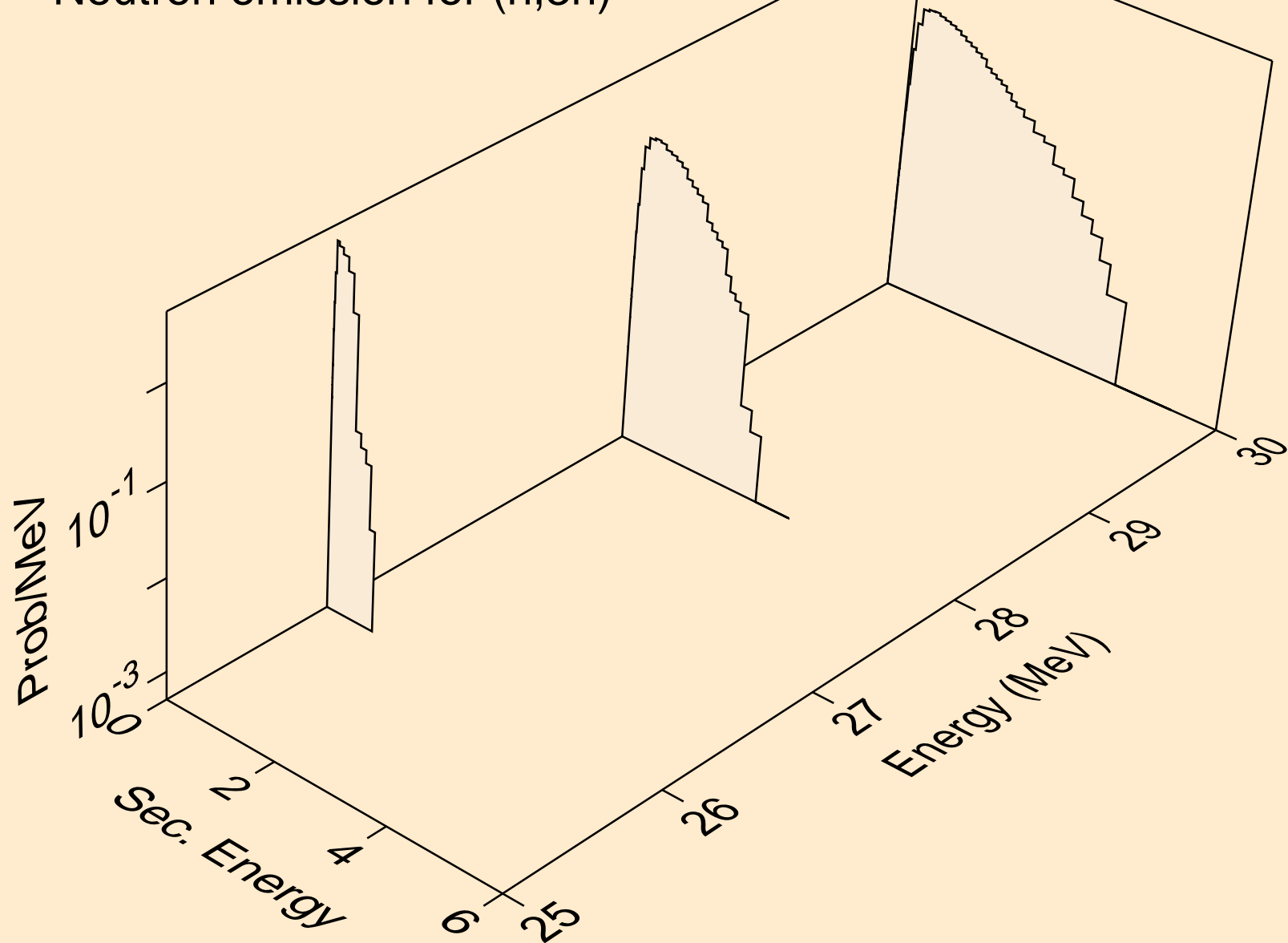
HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,x)



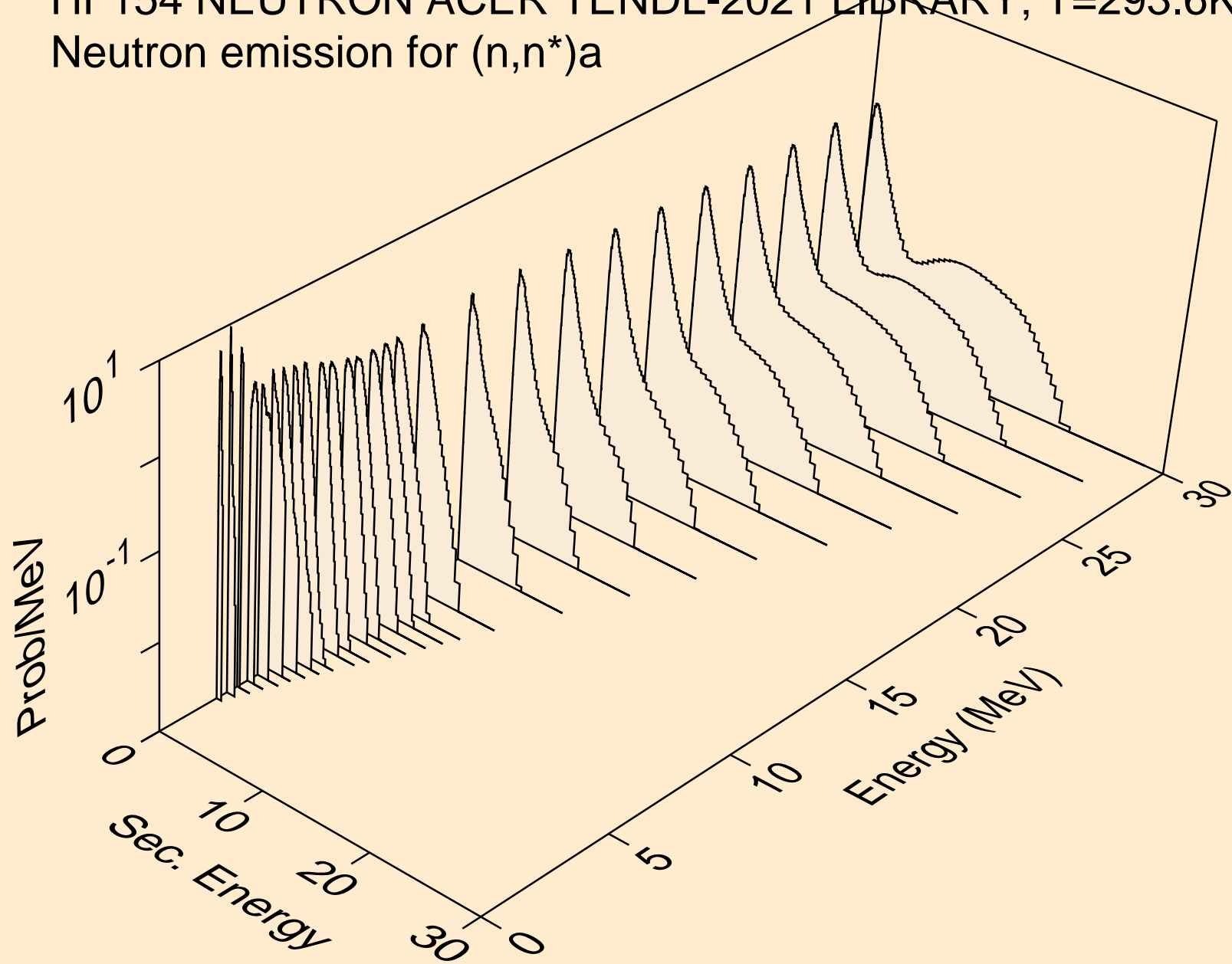
HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)



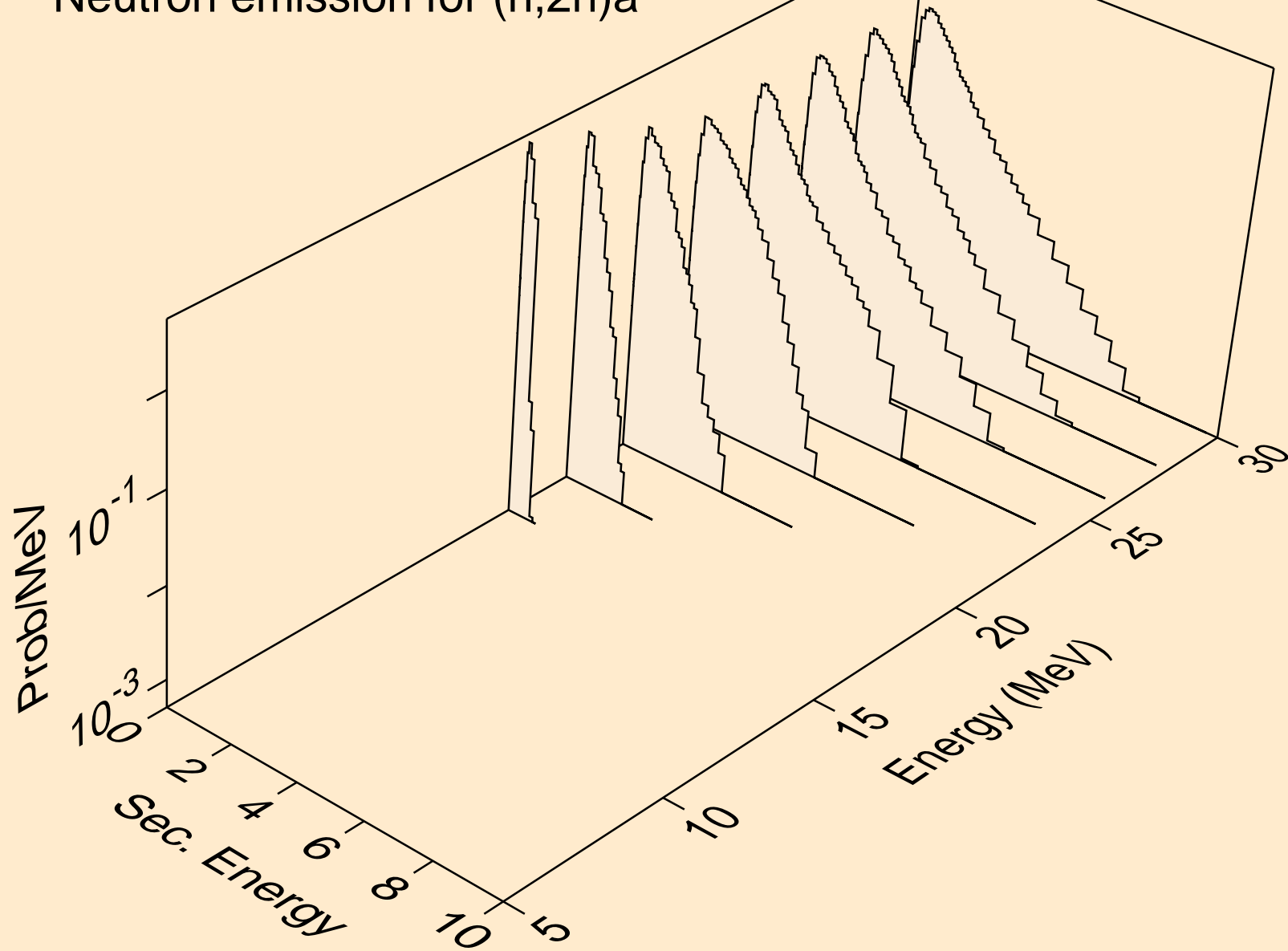
HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3n)



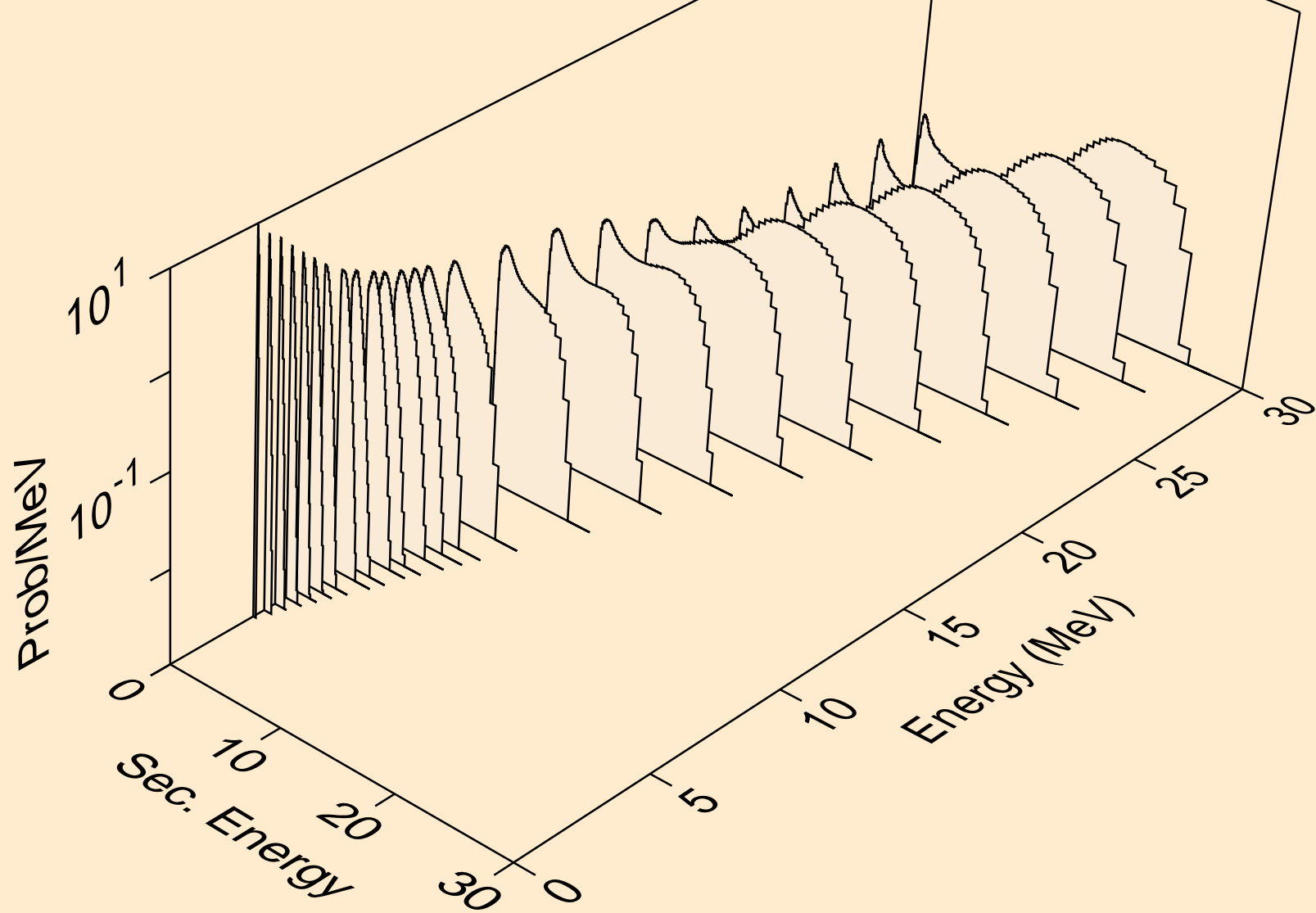
HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)a



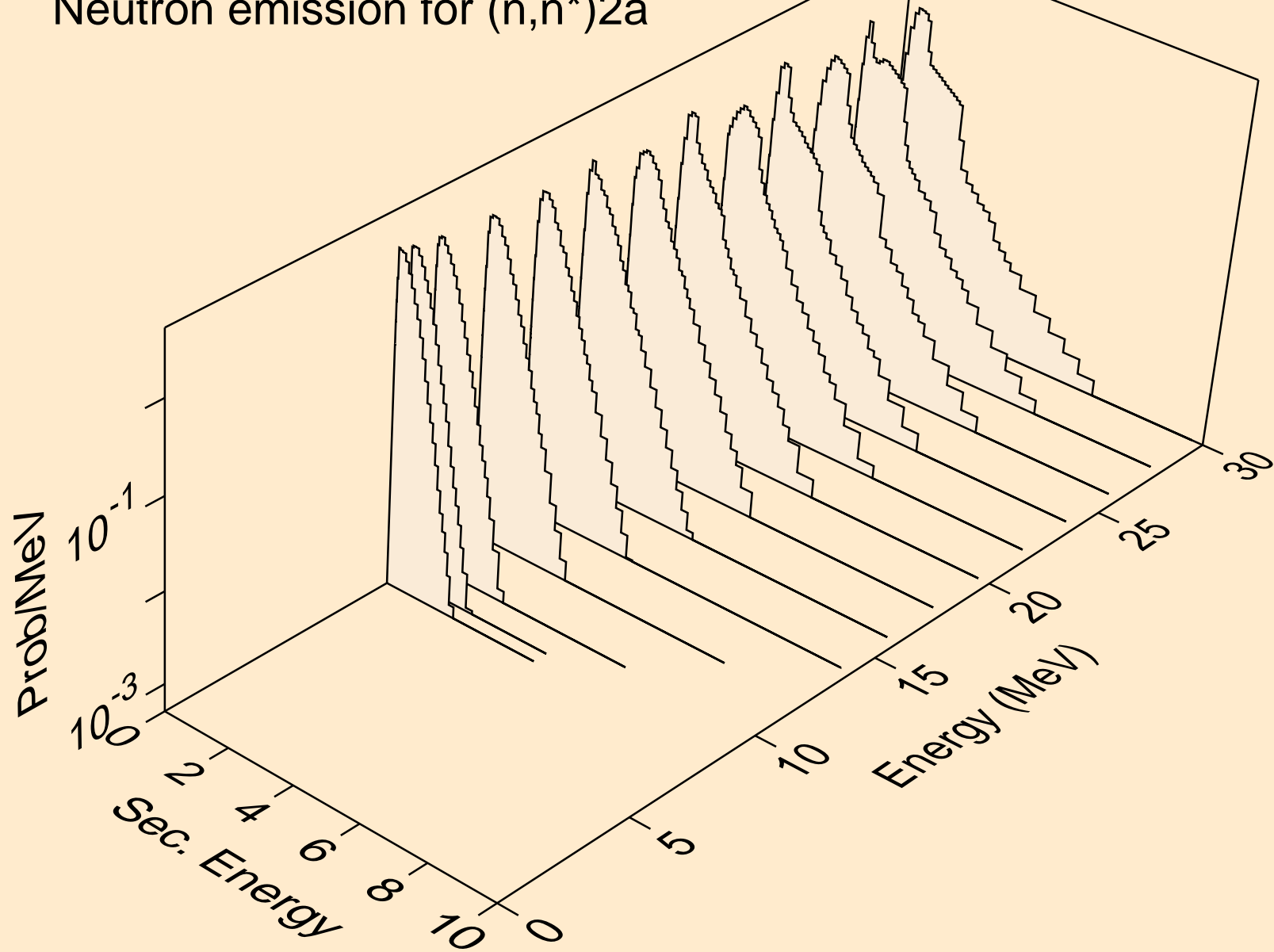
HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)<sub>a</sub>



HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)p

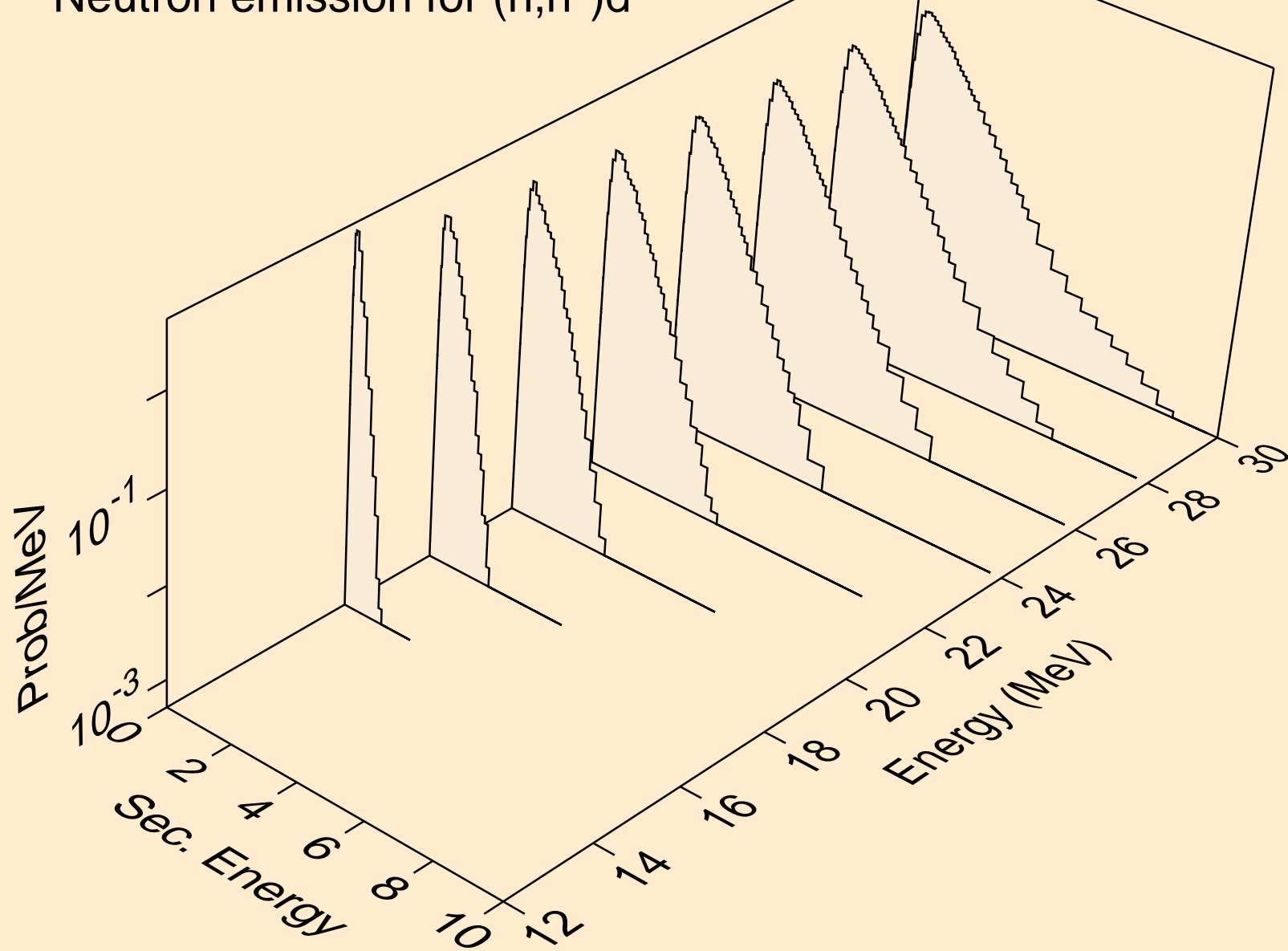


HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)2a

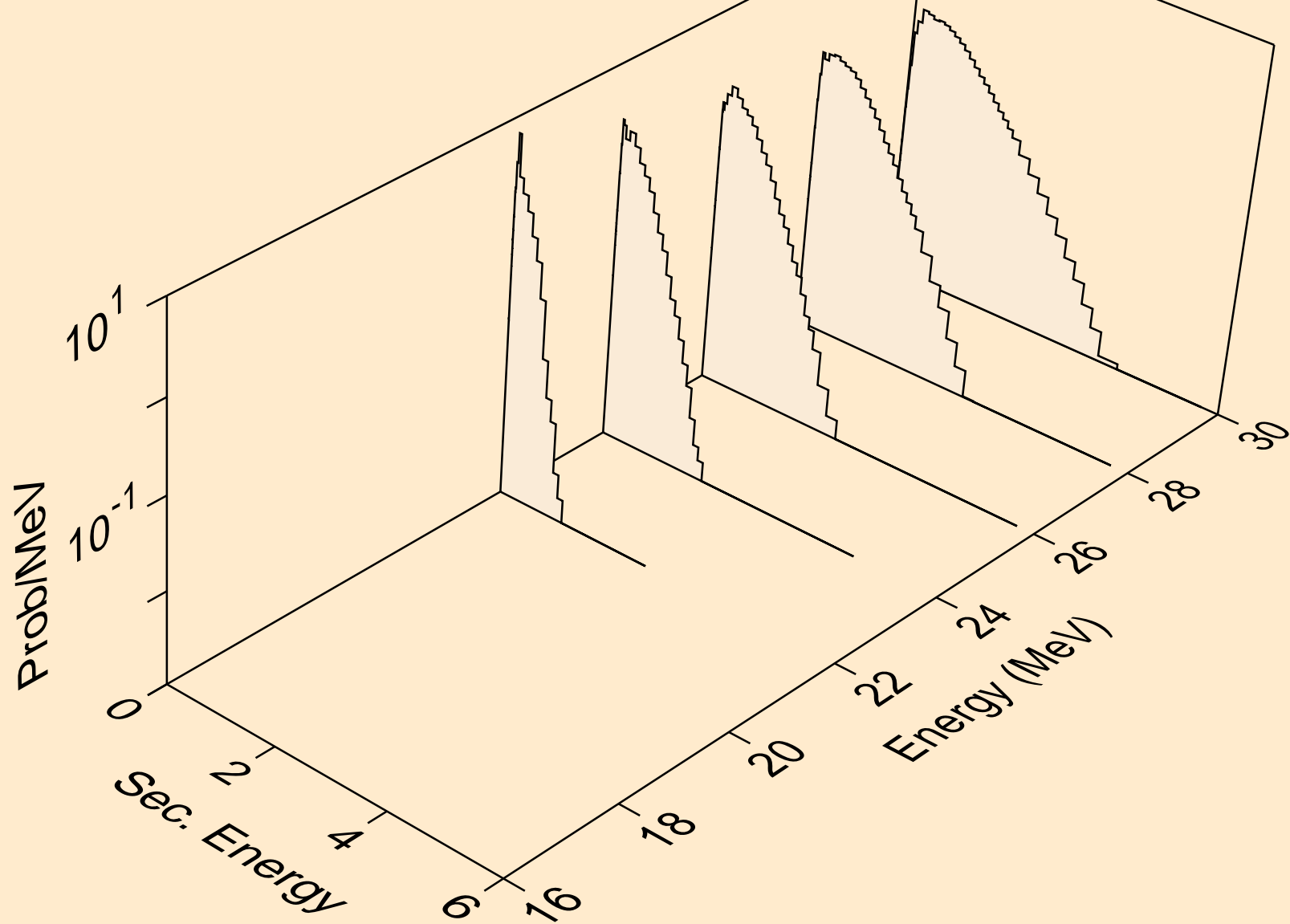




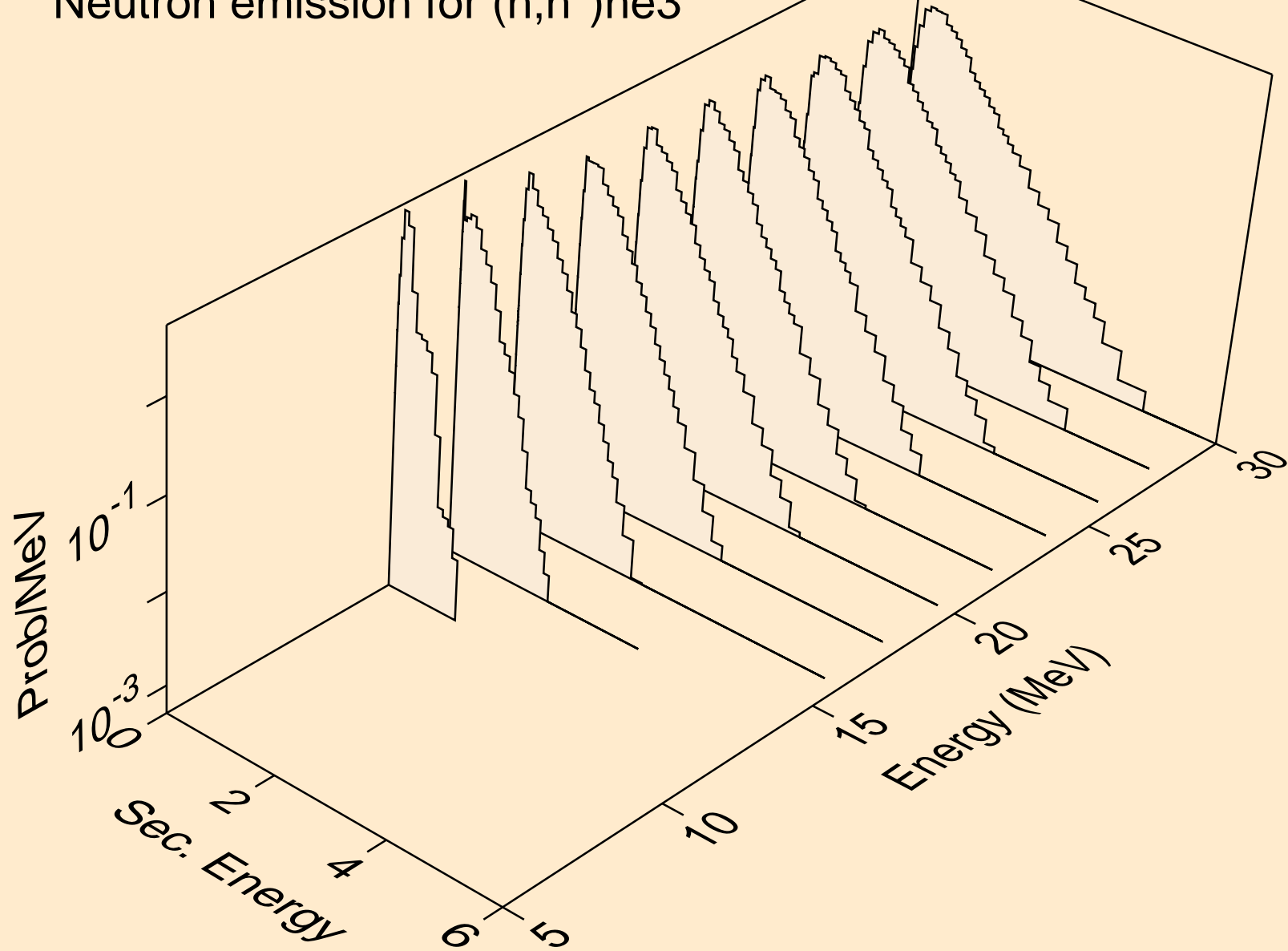
HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)d



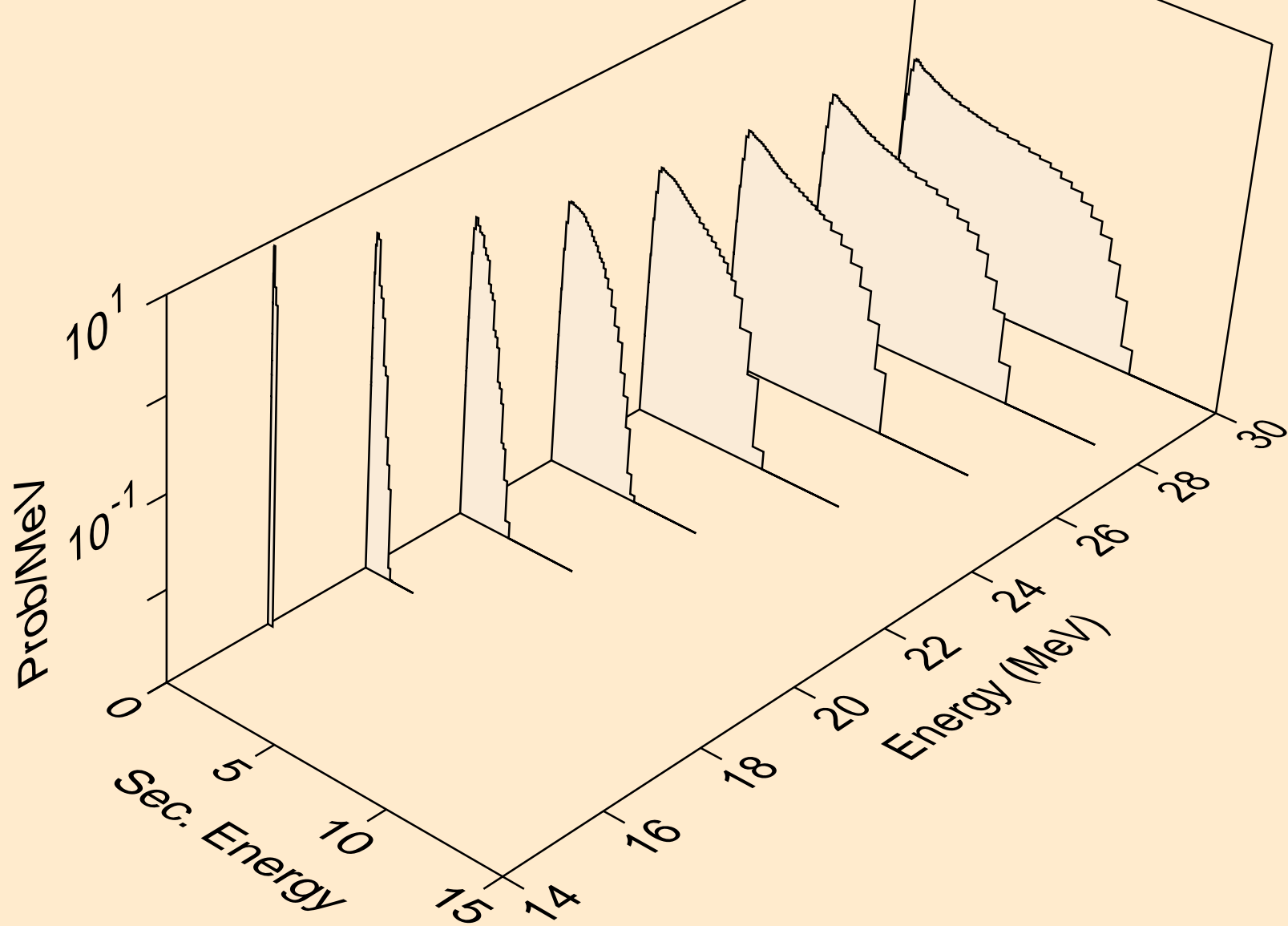
HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)t



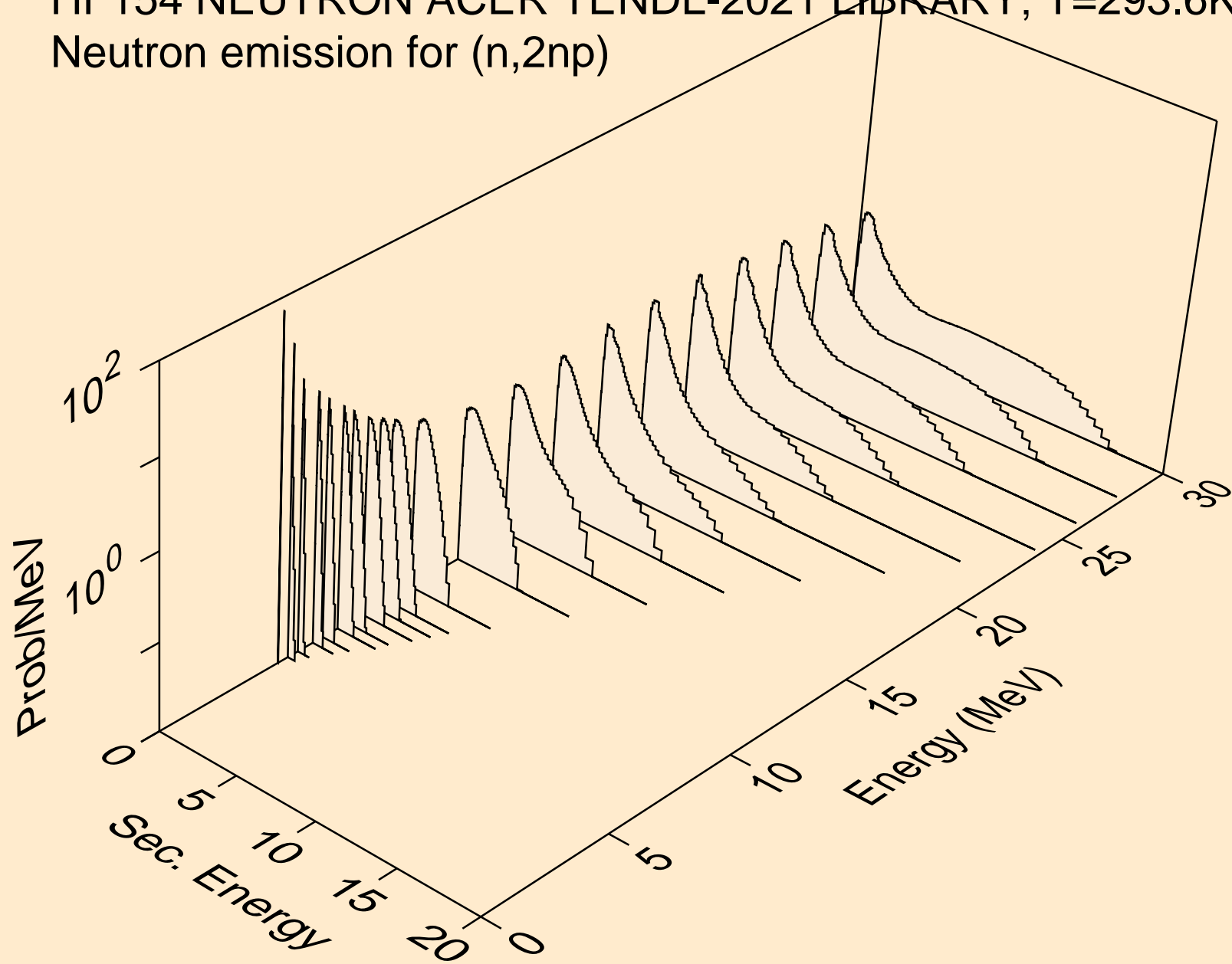
HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)he3



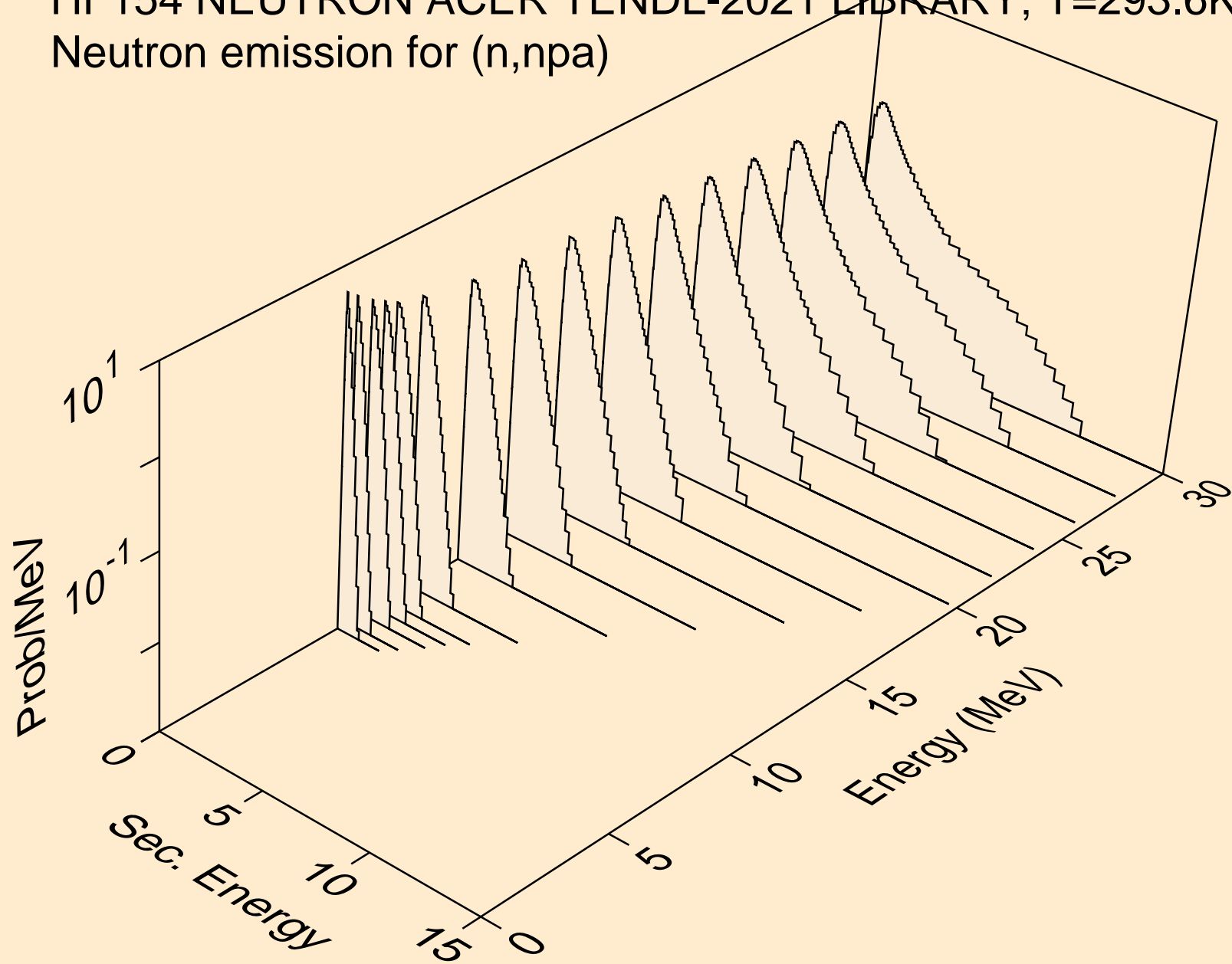
HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2np)



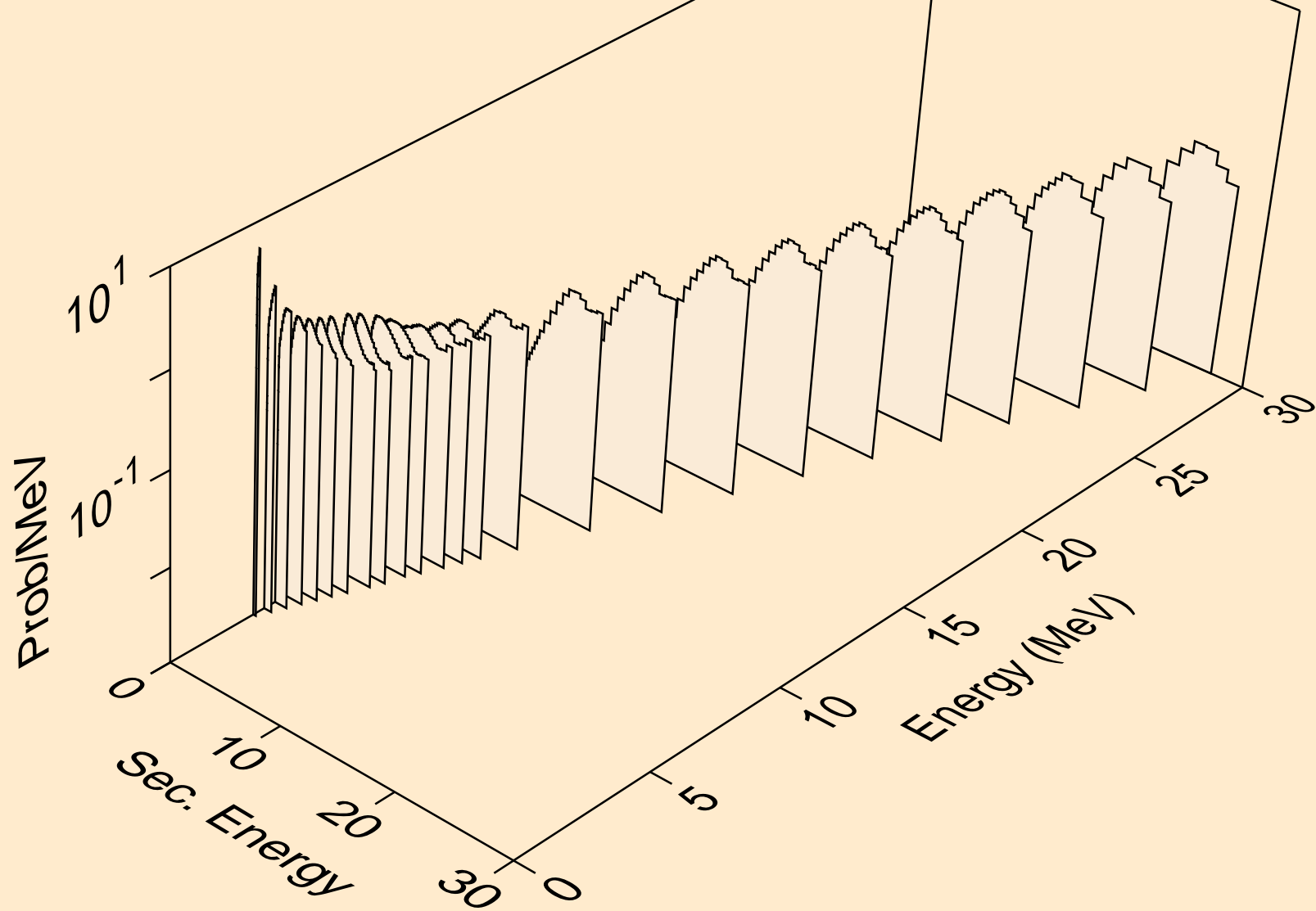
HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2np)



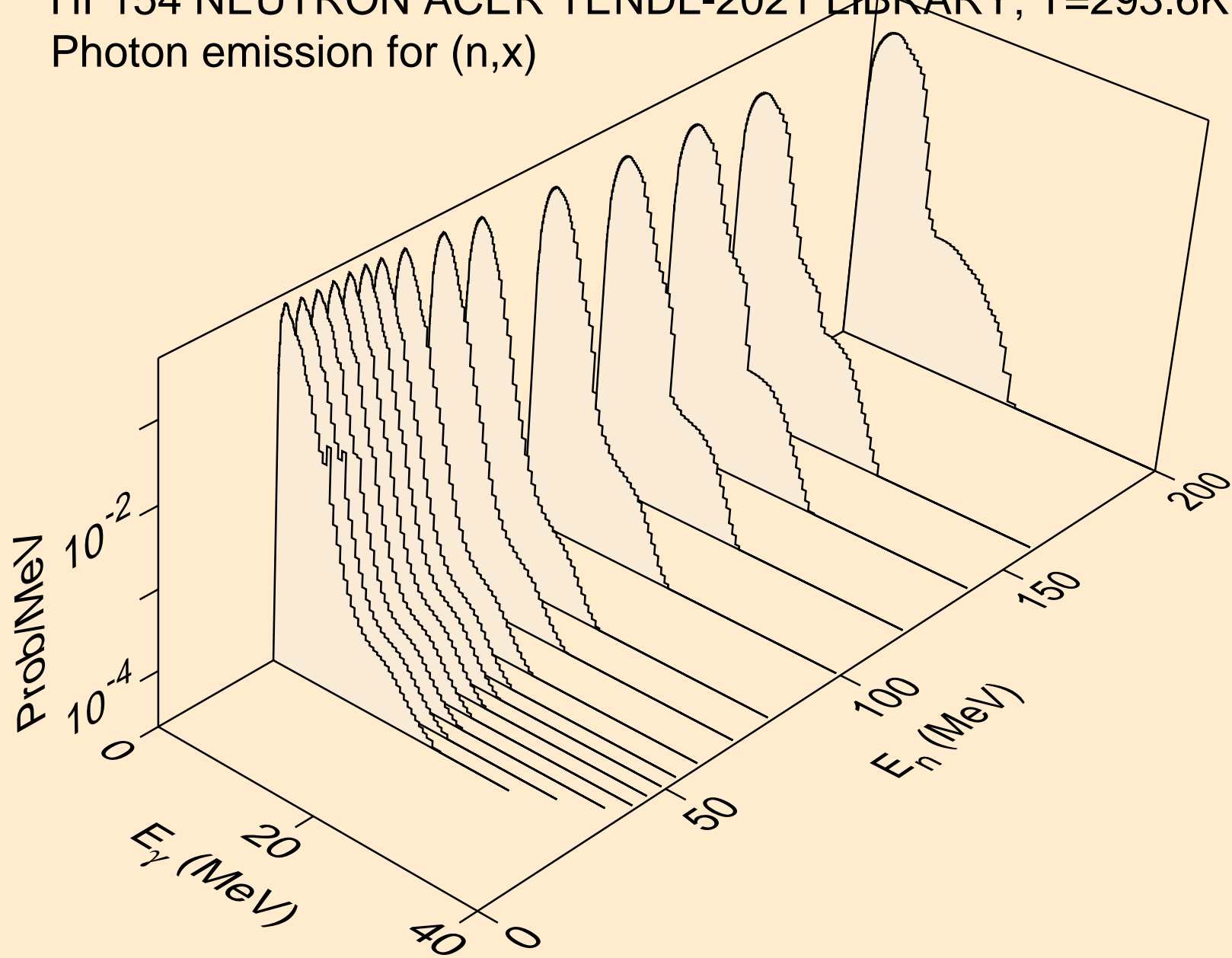
HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,npa)



HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*c)

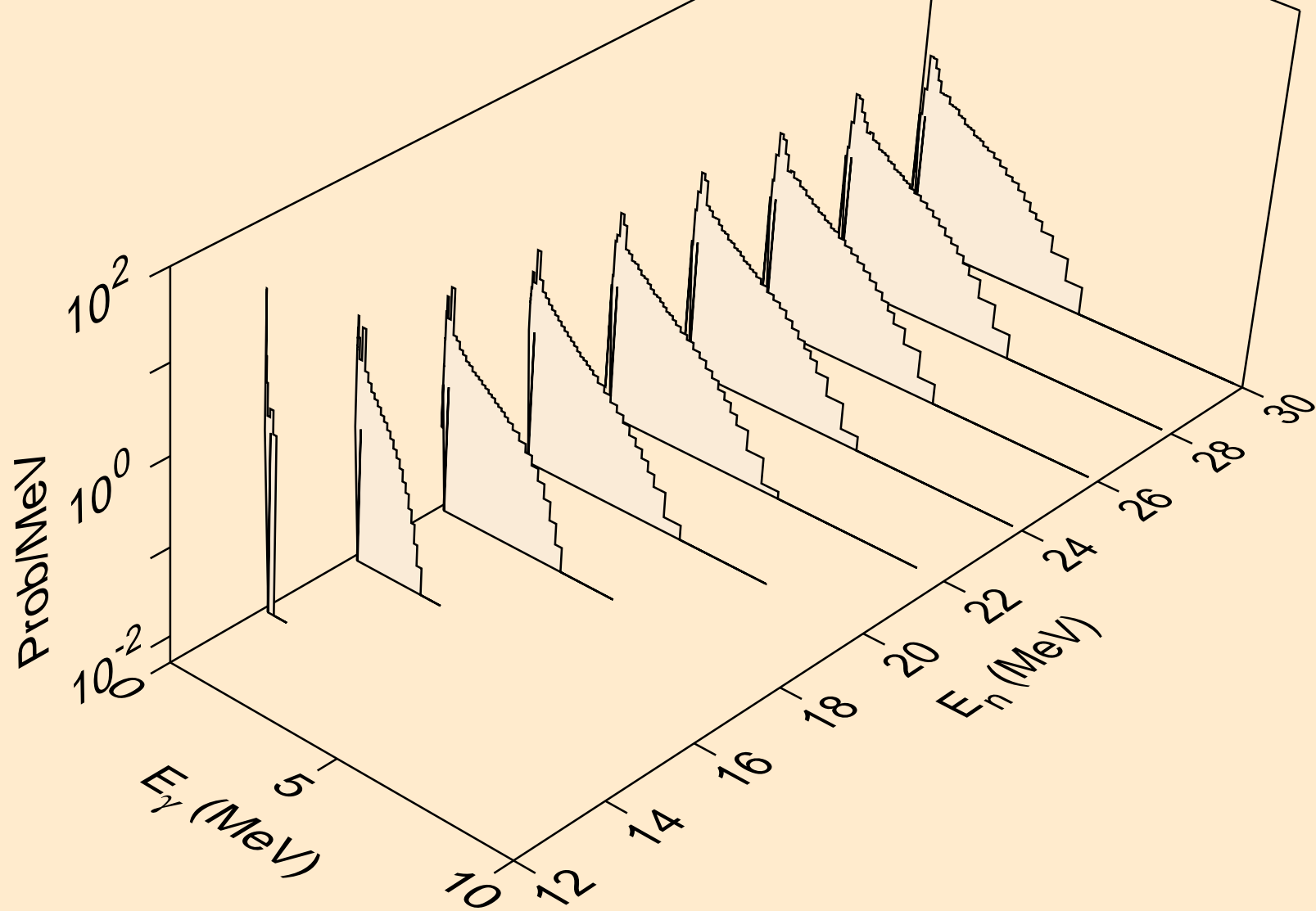


HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,x)

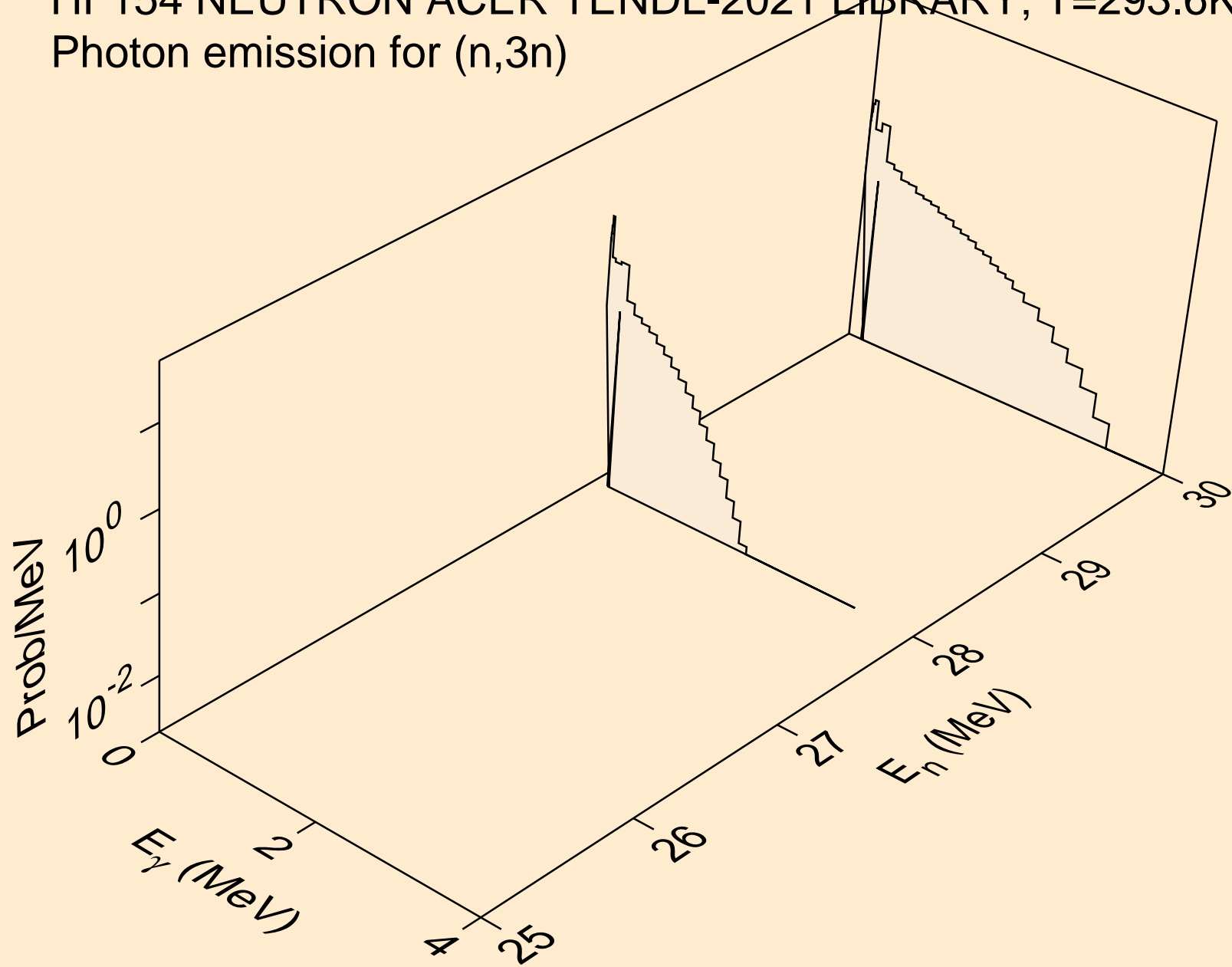




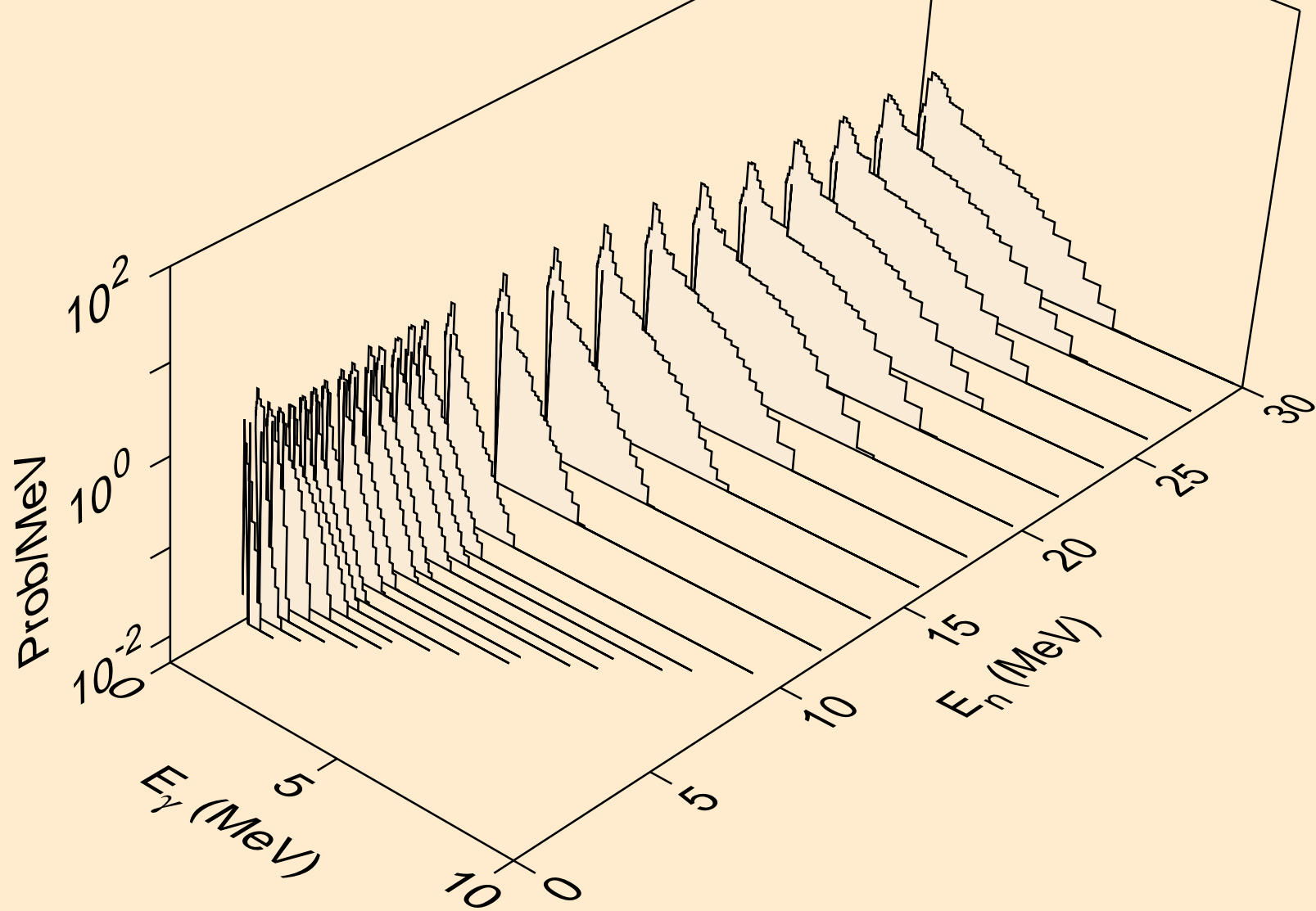
HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2n)



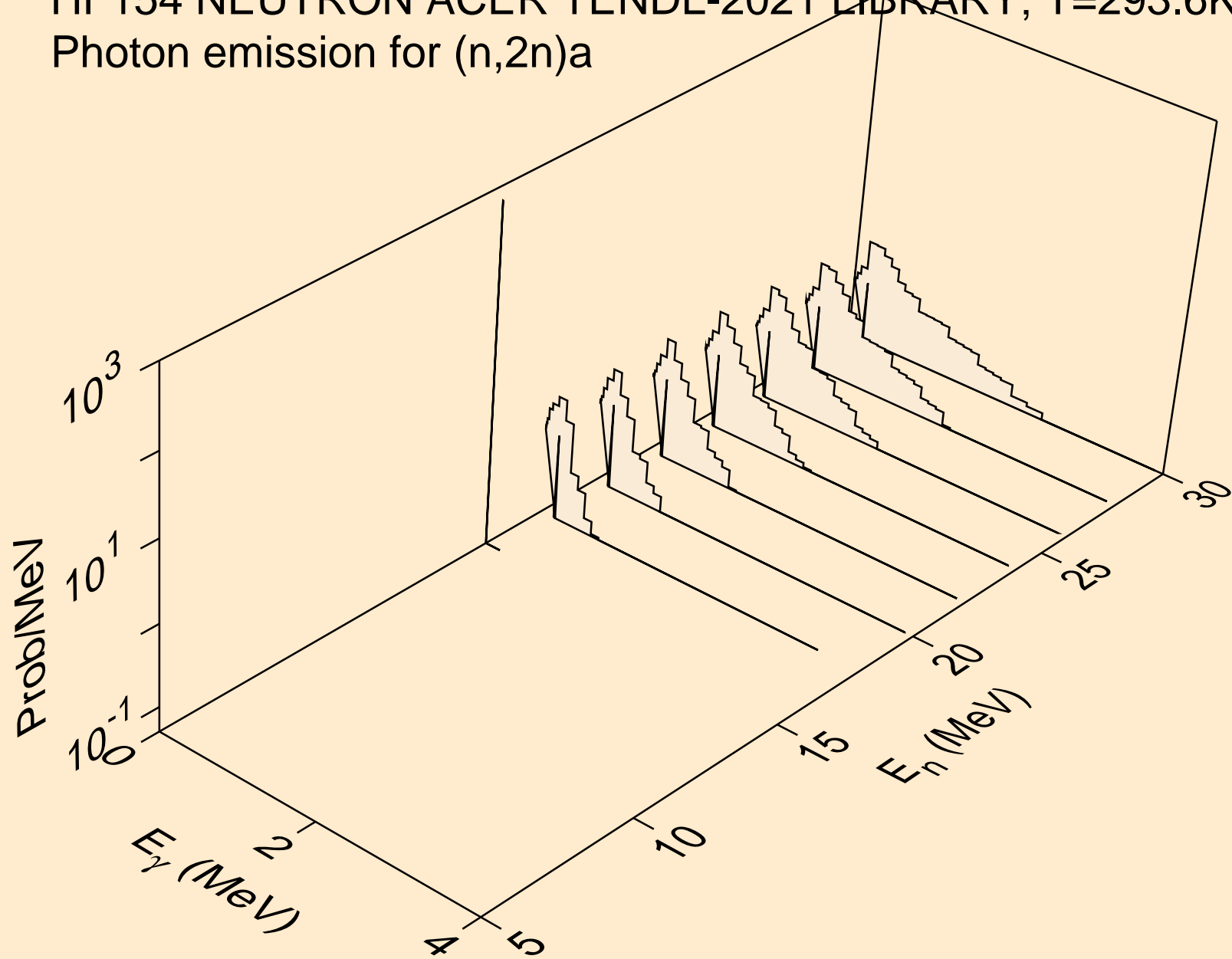
HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3n)



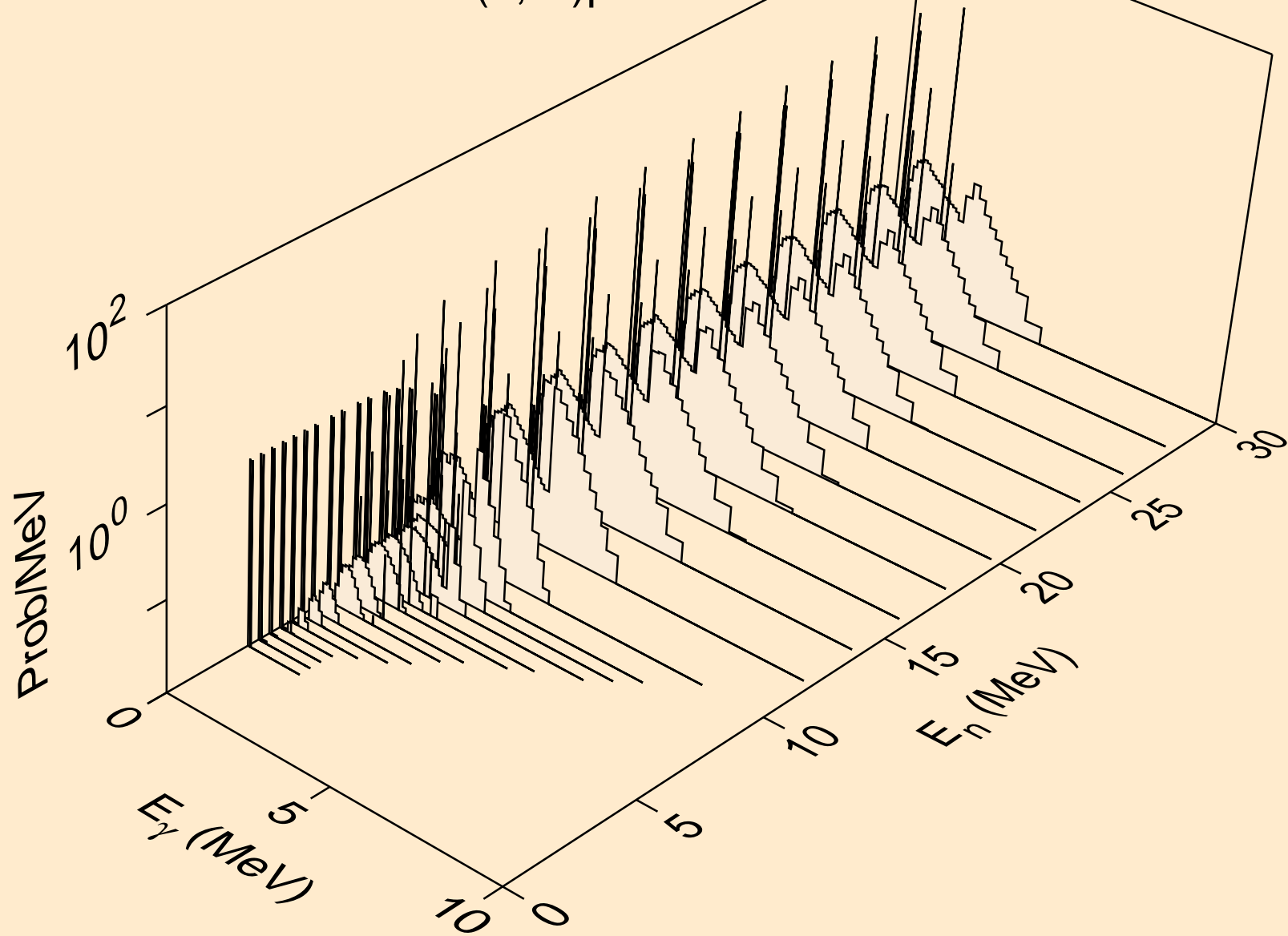
HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)a



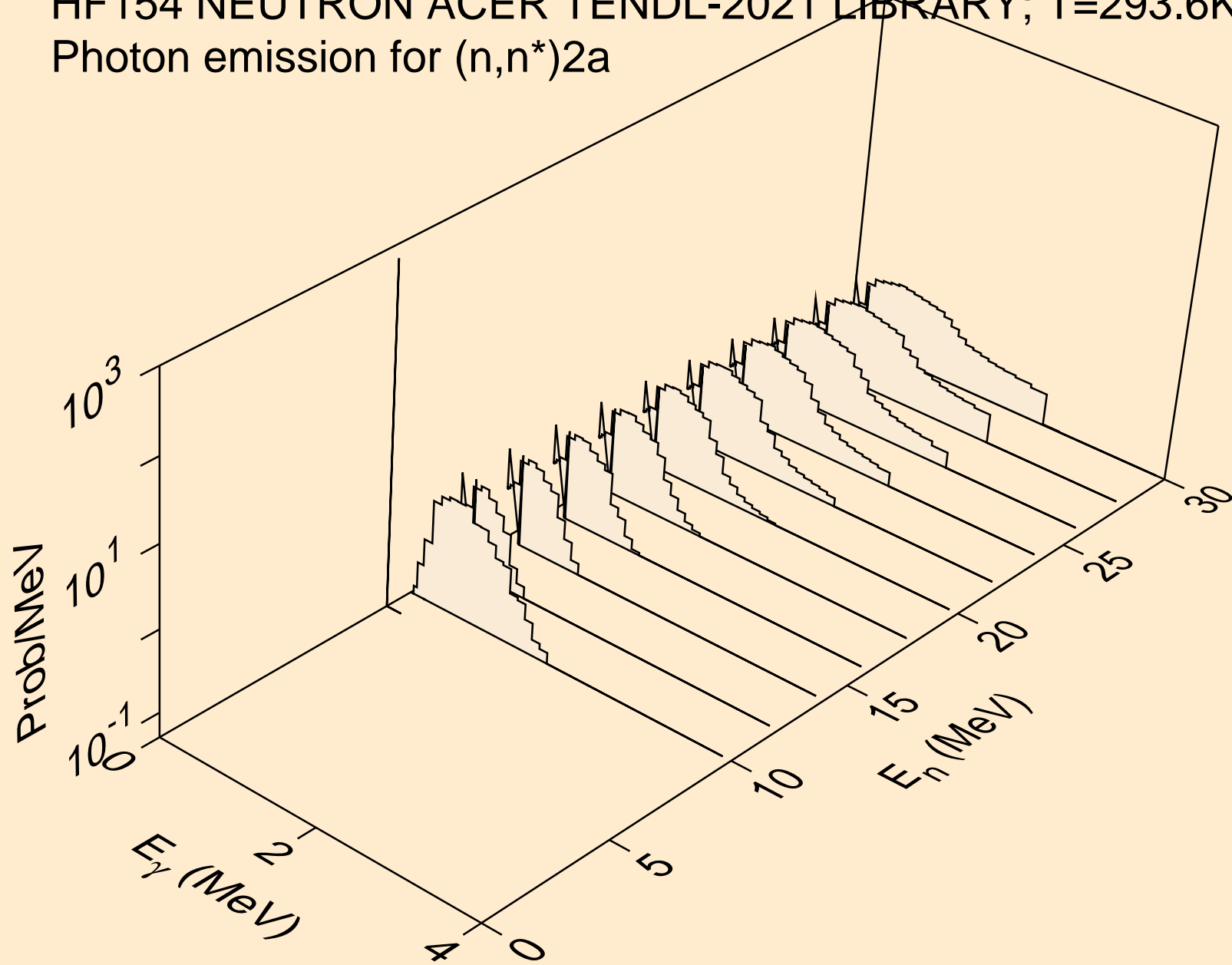
HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2n) $\alpha$



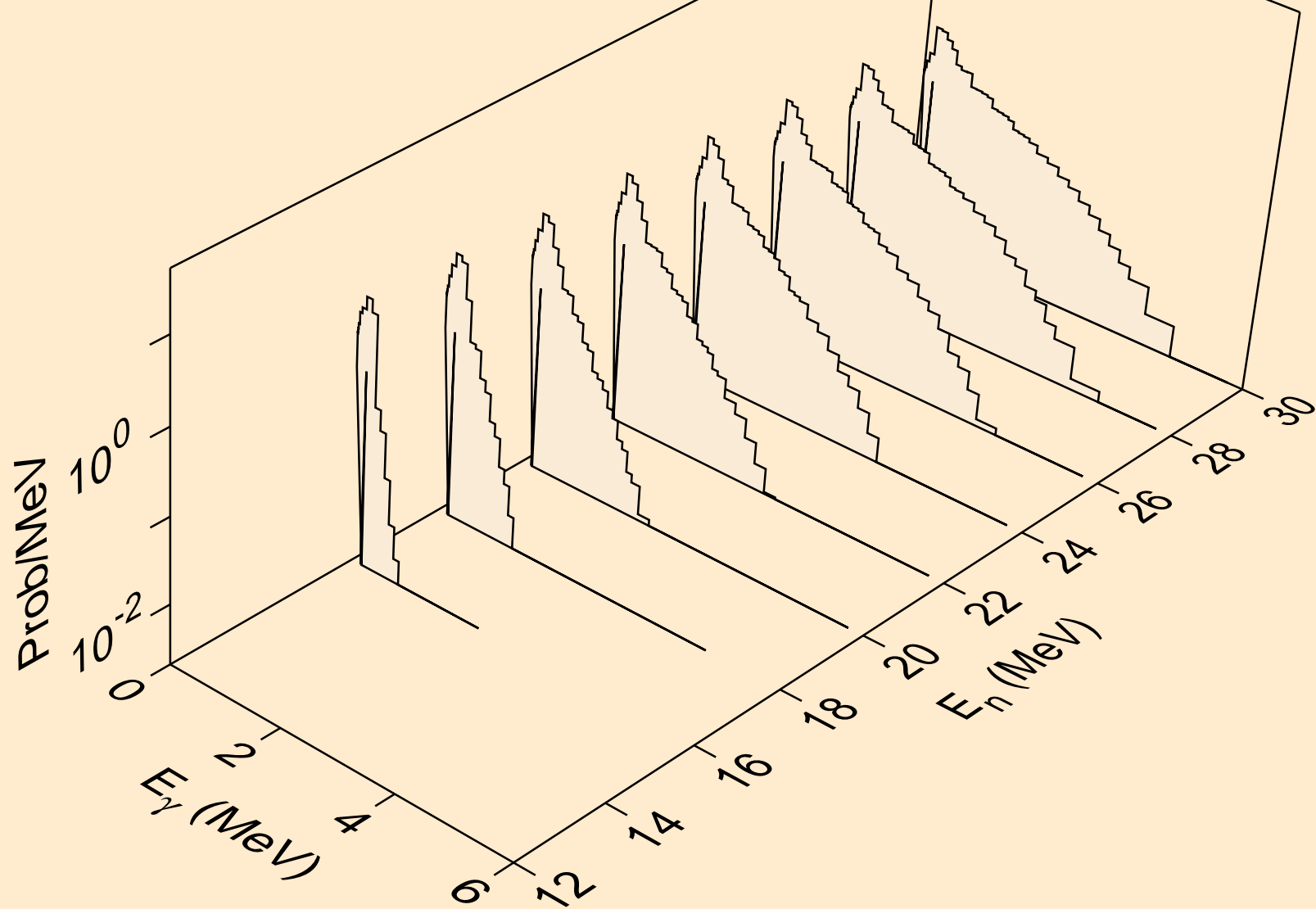
HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)p



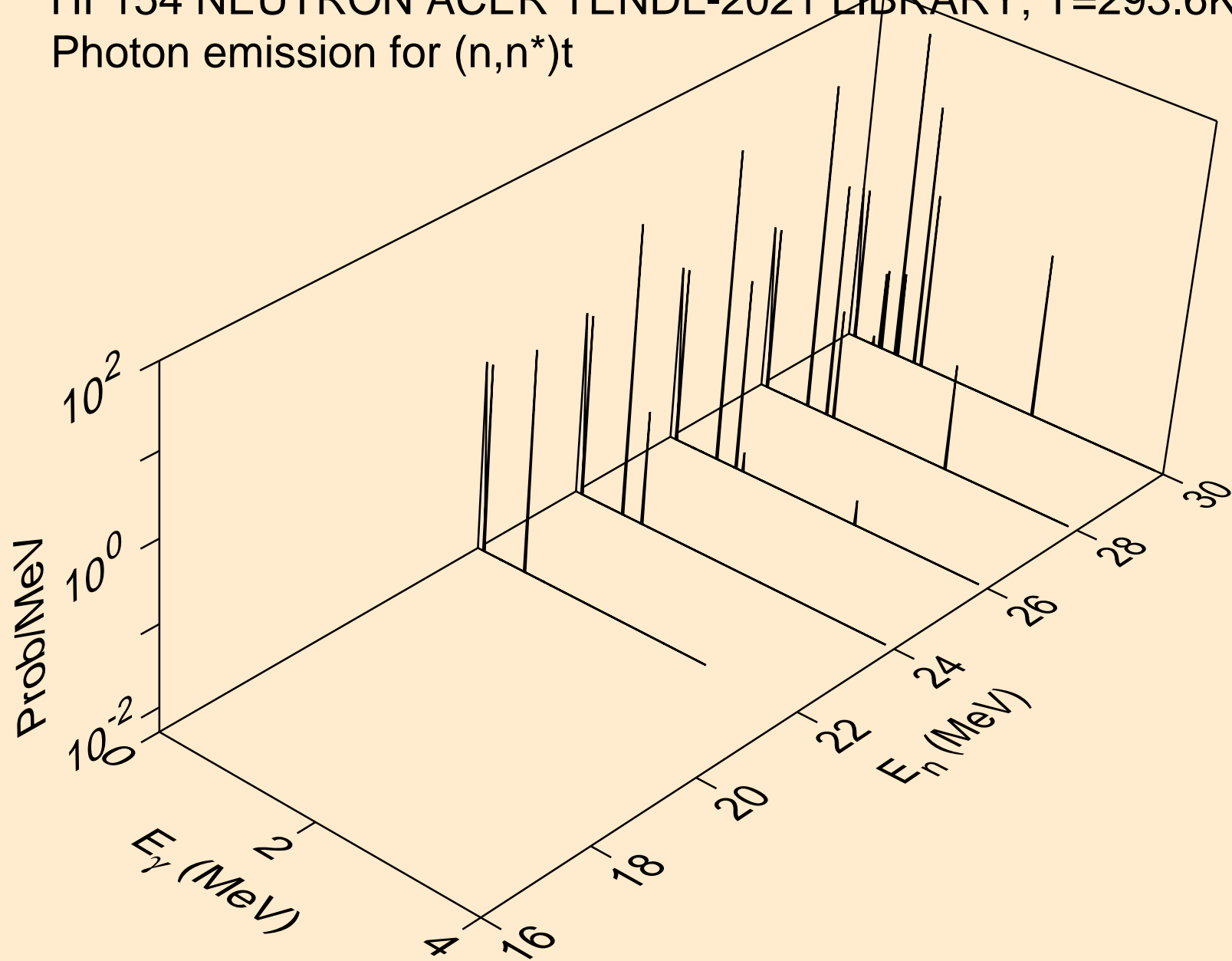
HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)2a



HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)d

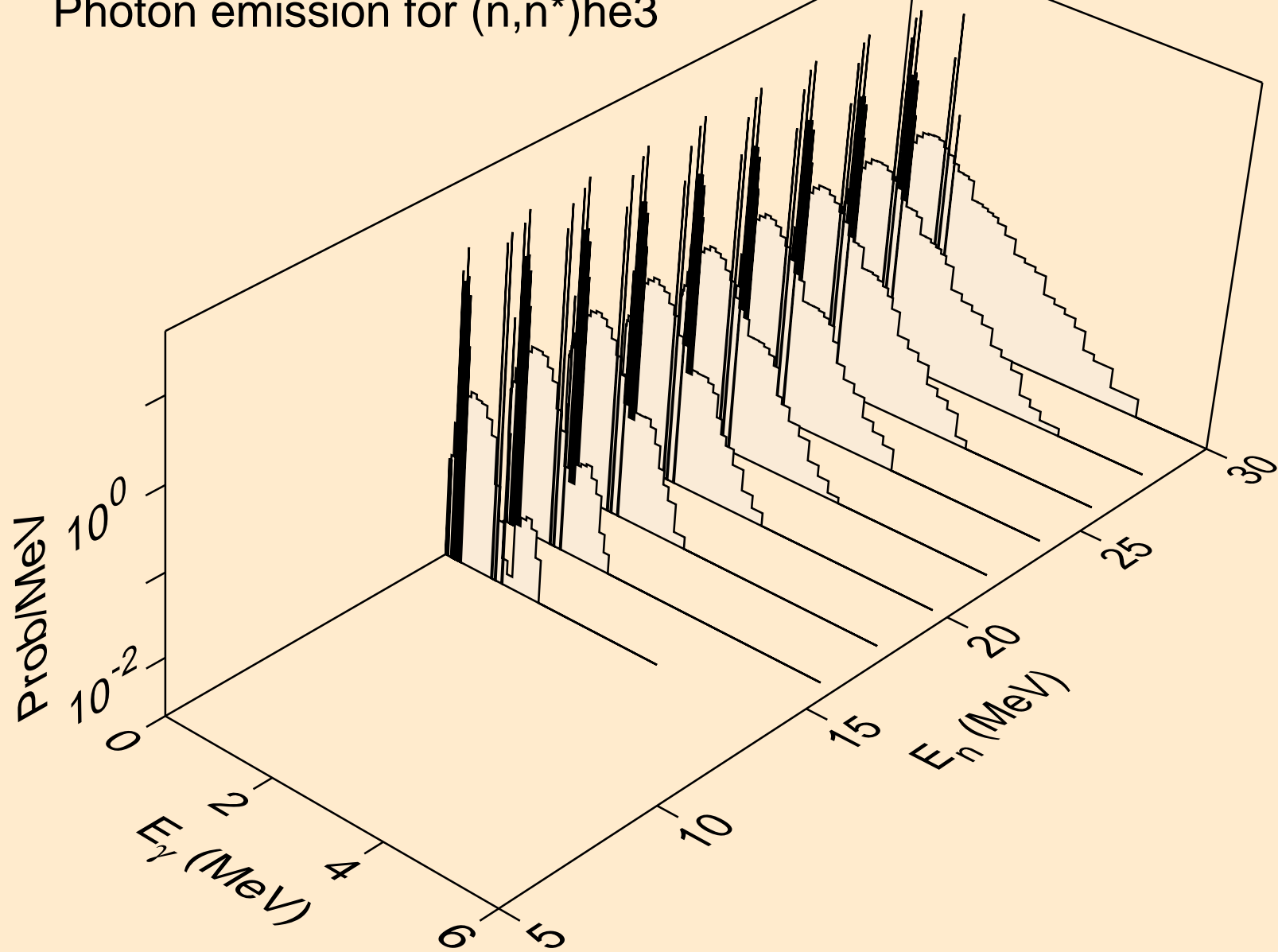


HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)t

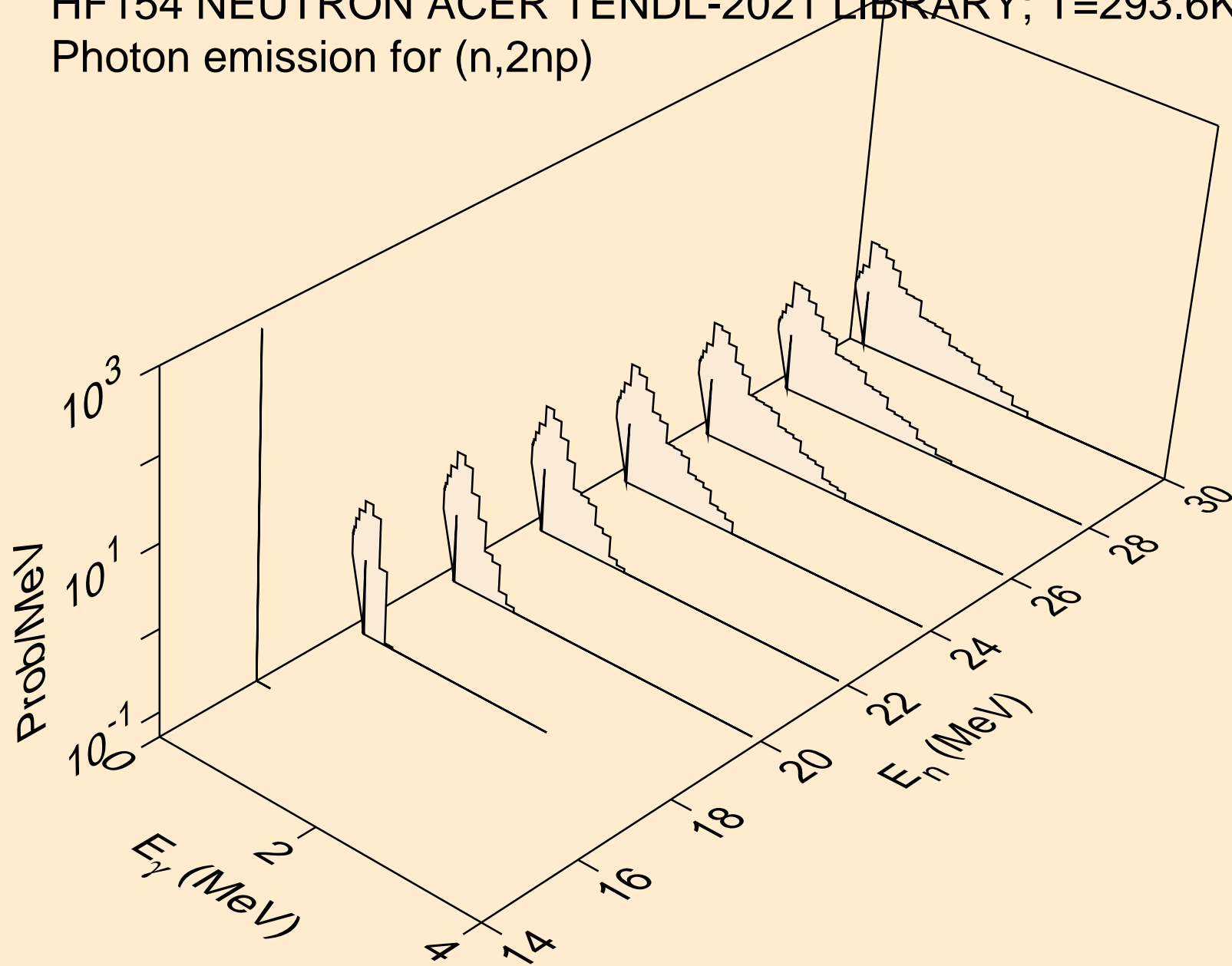




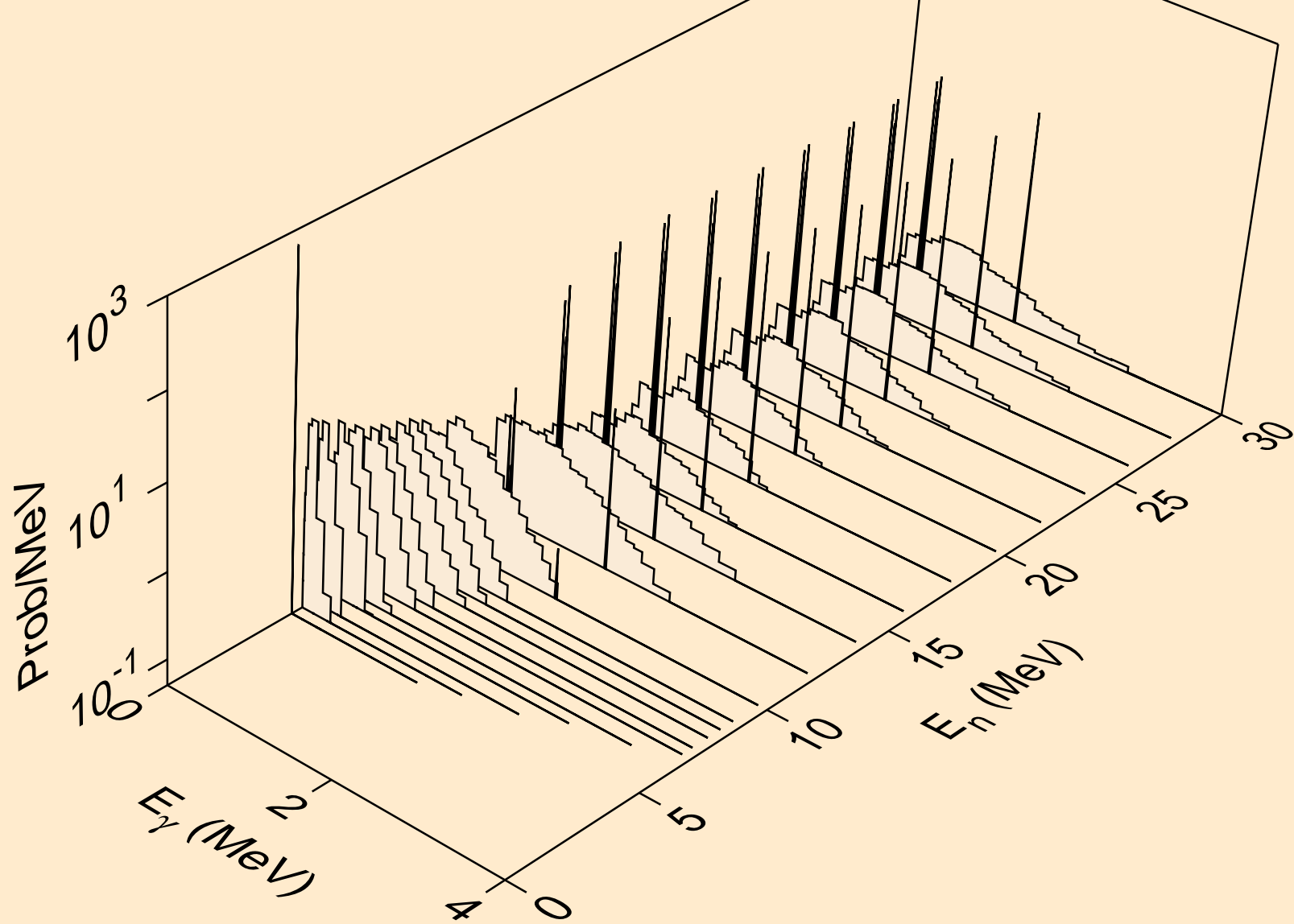
HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)he3



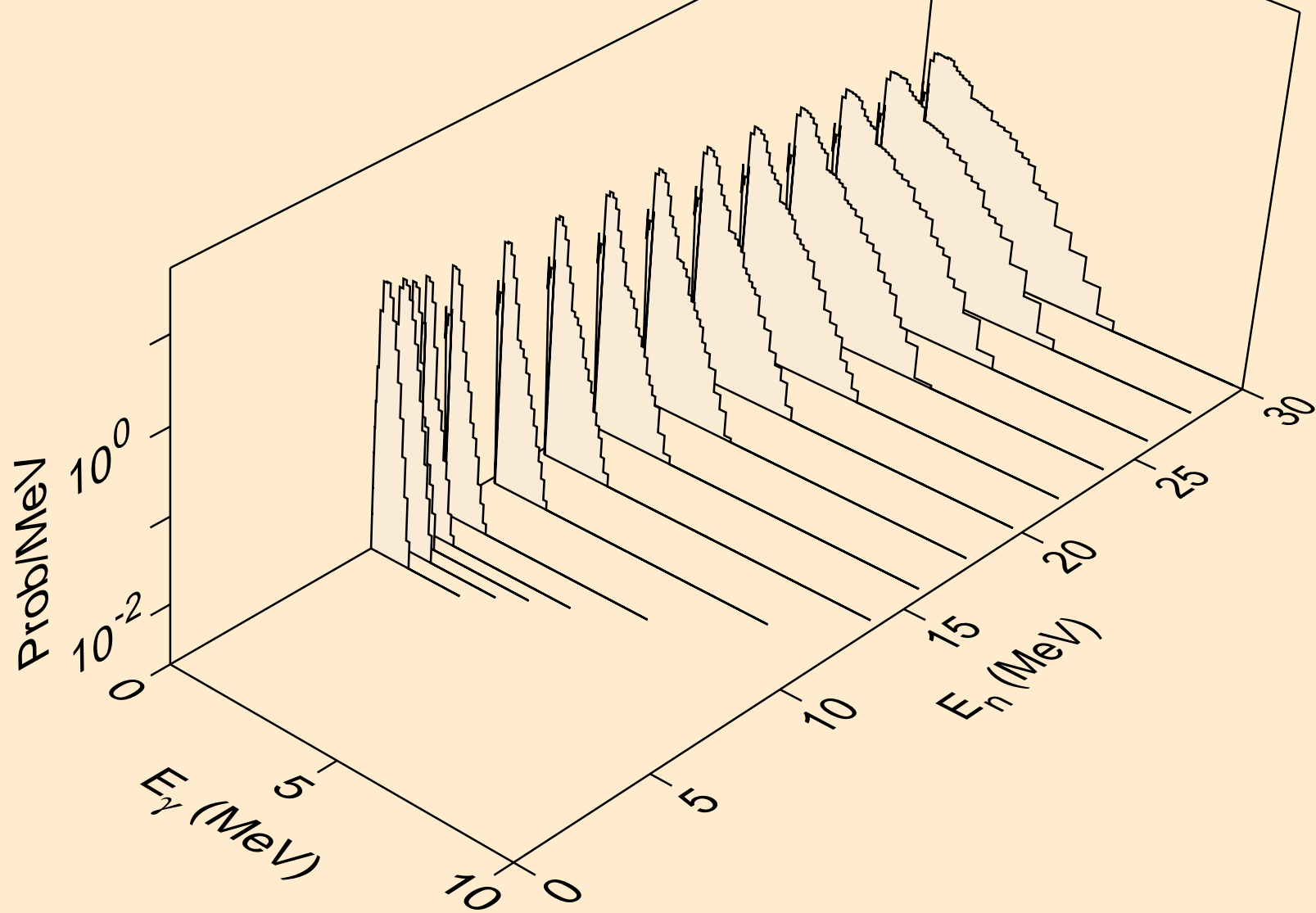
HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2np)



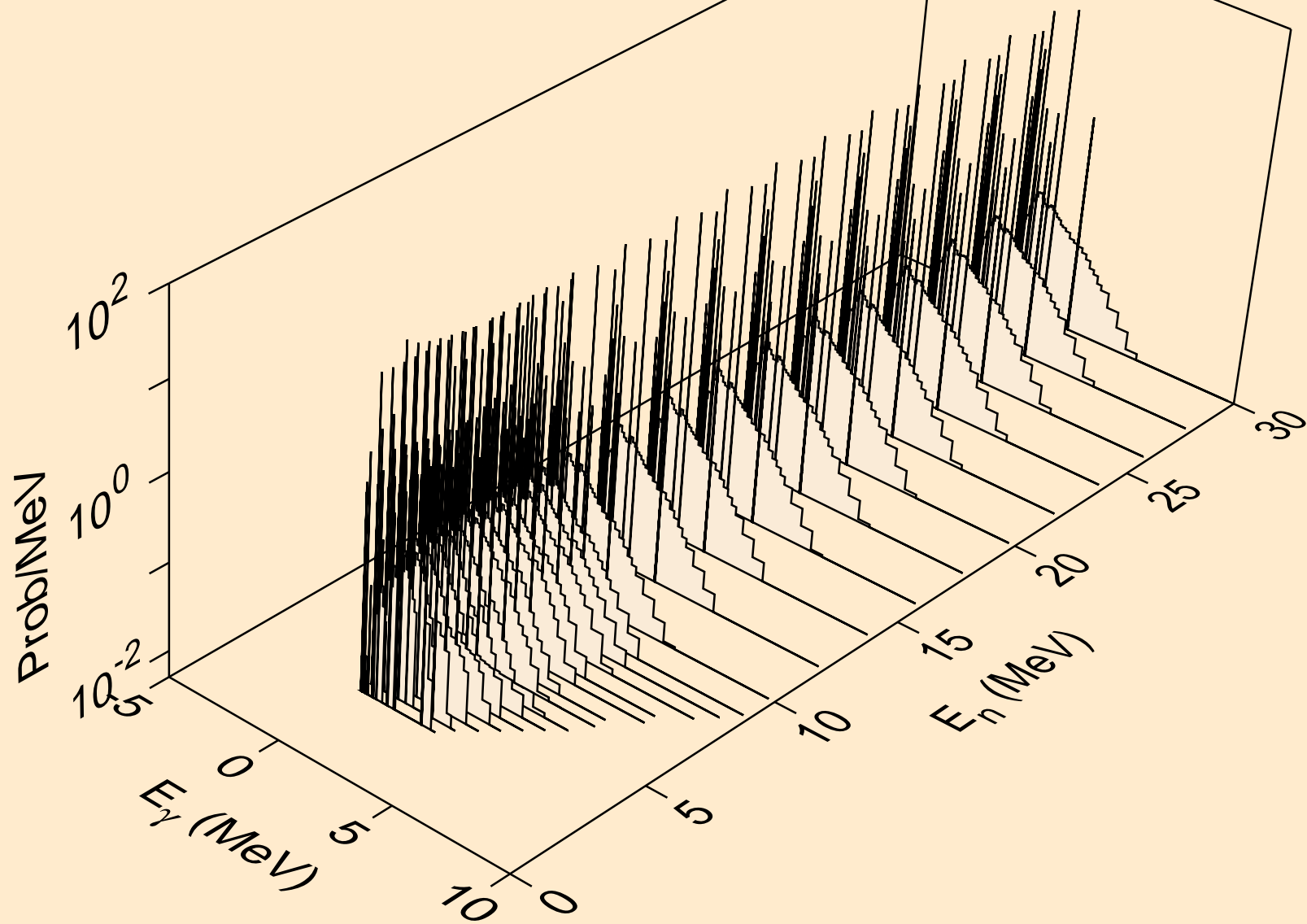
HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2np)



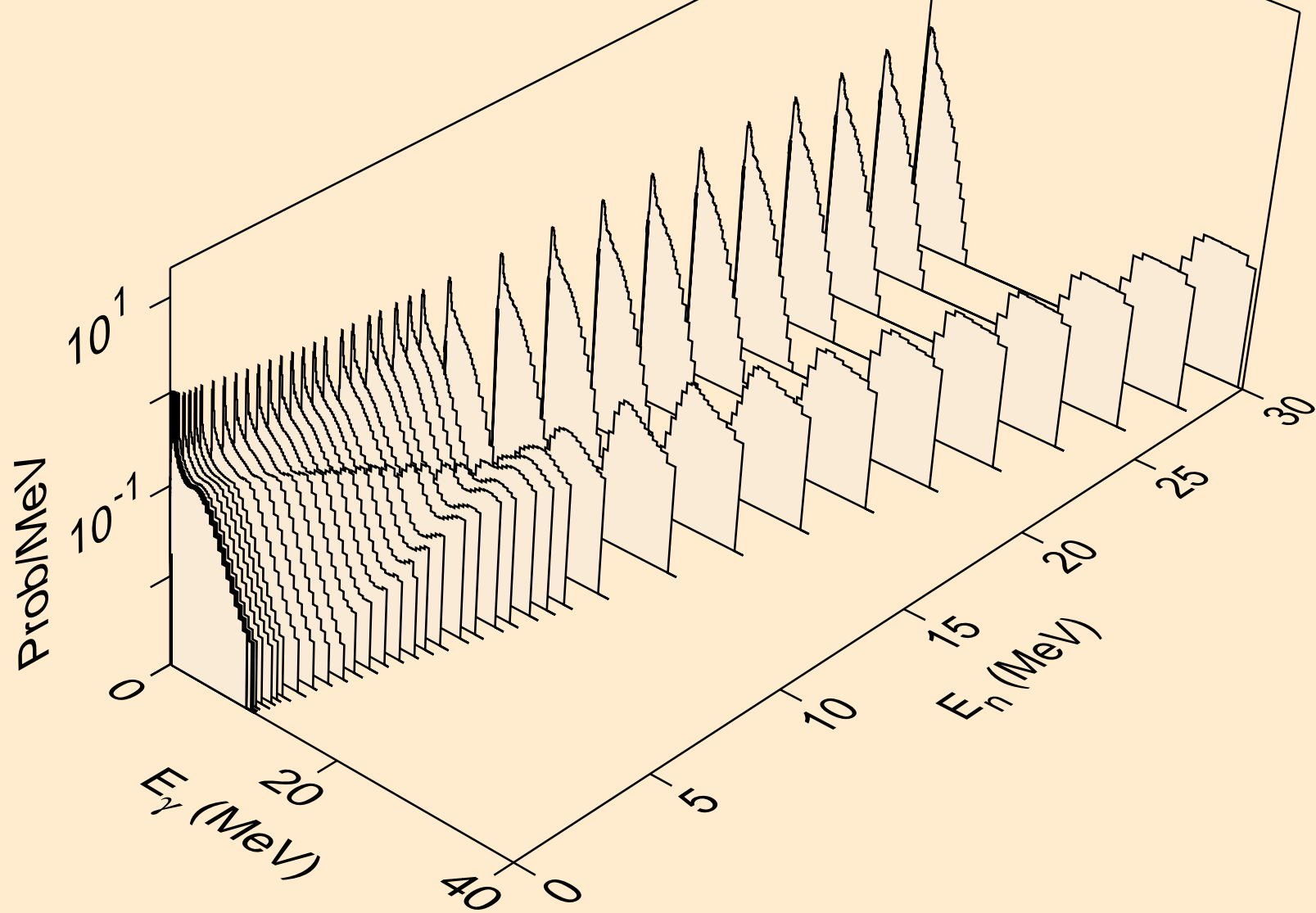
HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,npa)



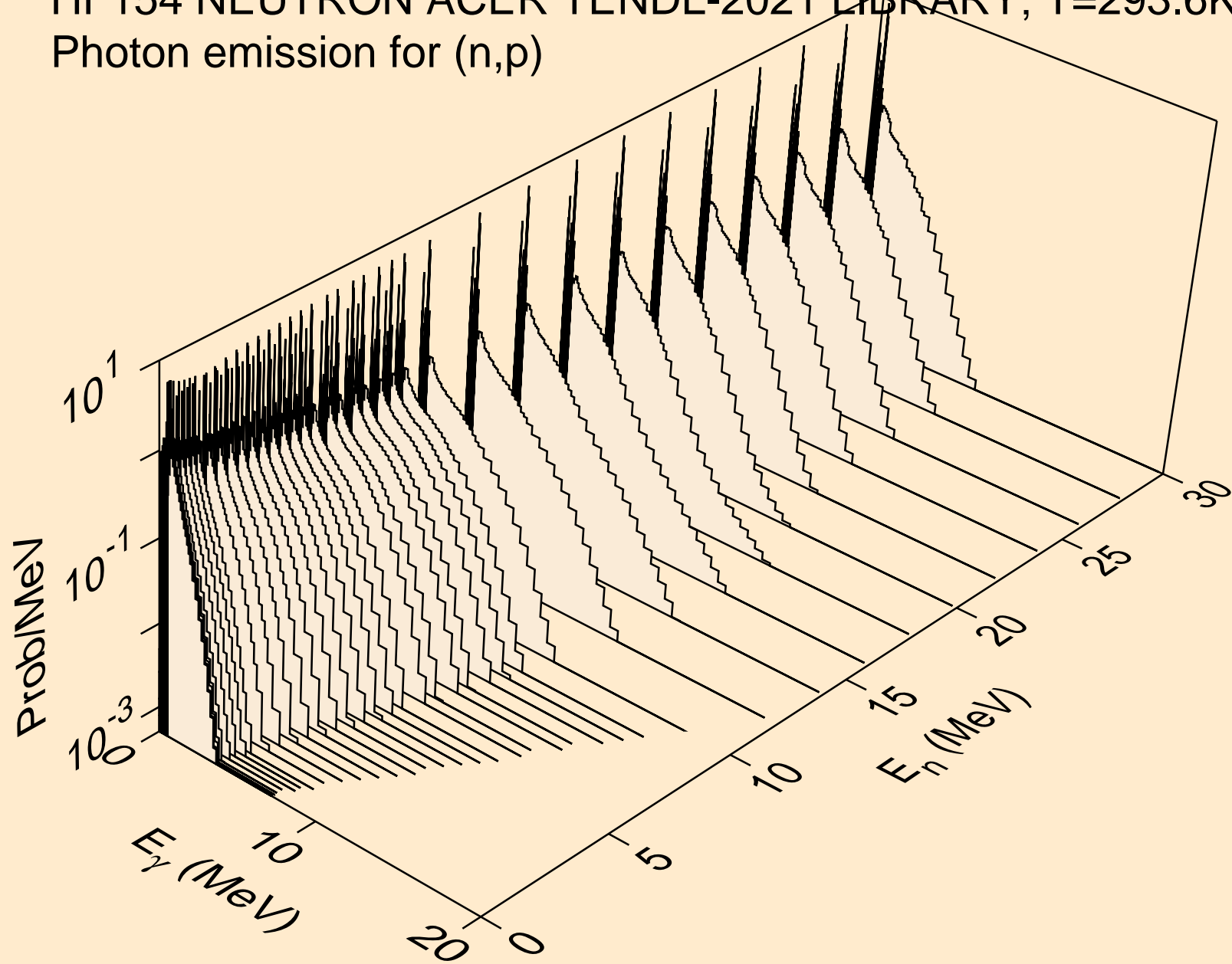
HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*c)



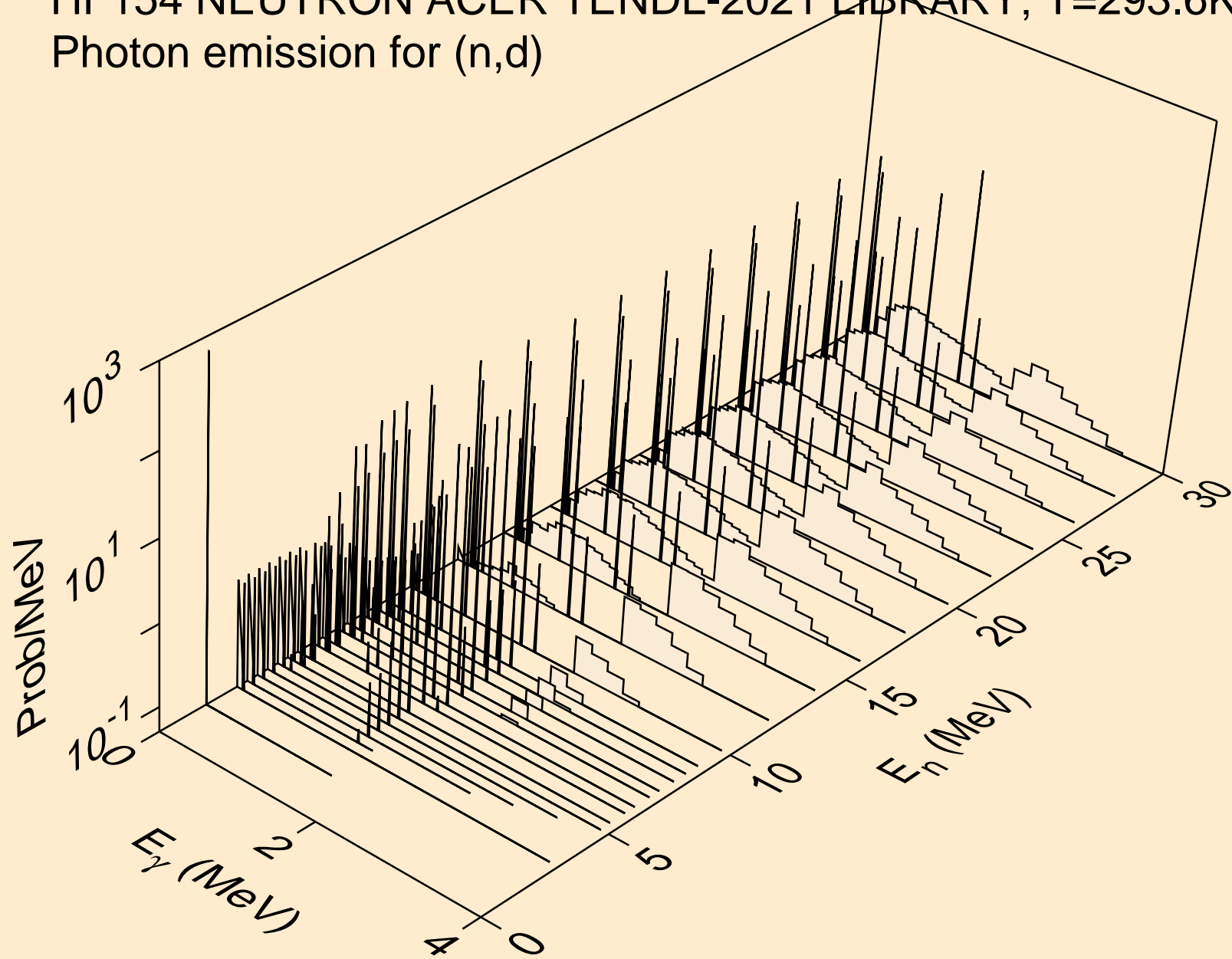
HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,gma)



HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,p)

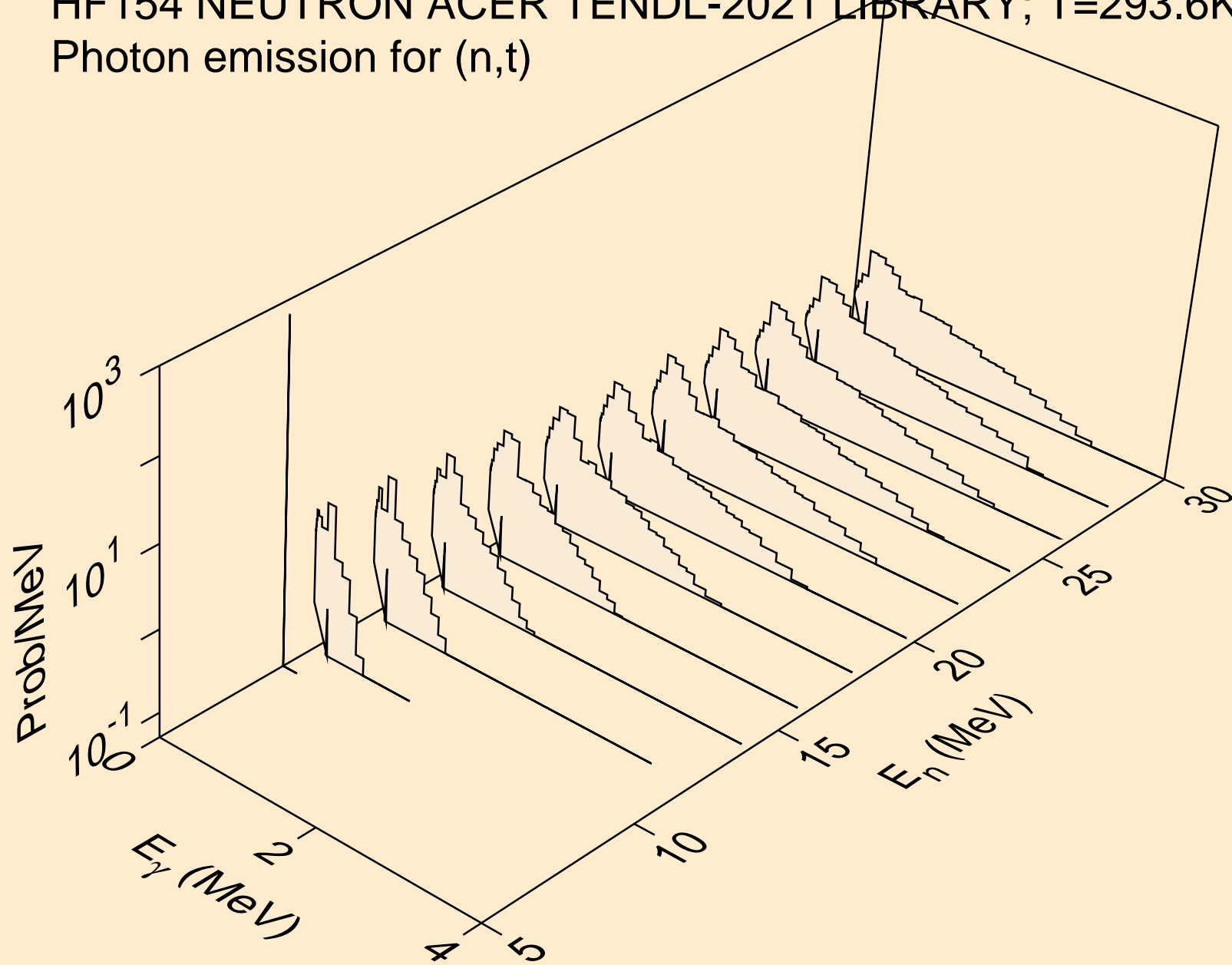


HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,d)

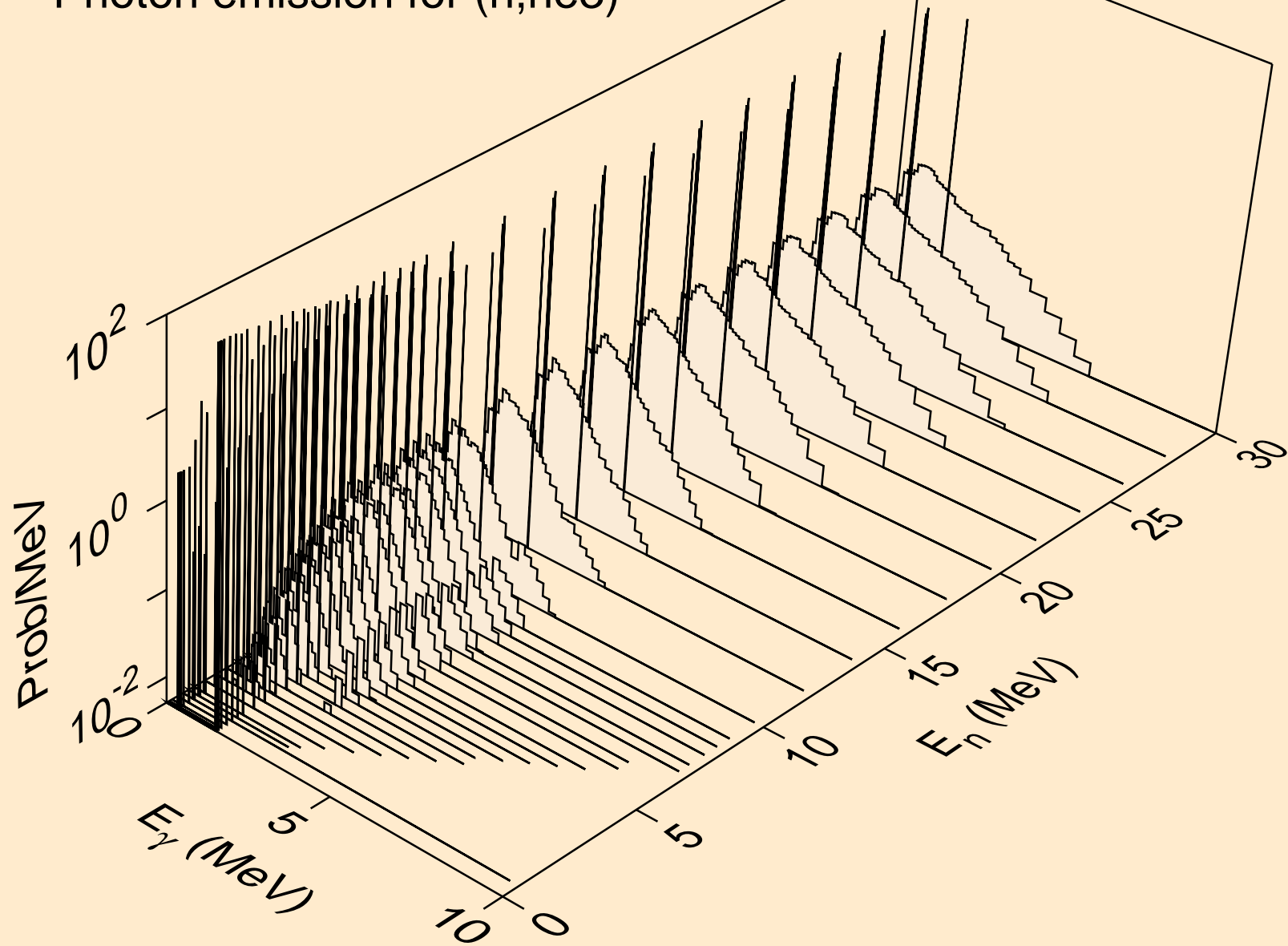




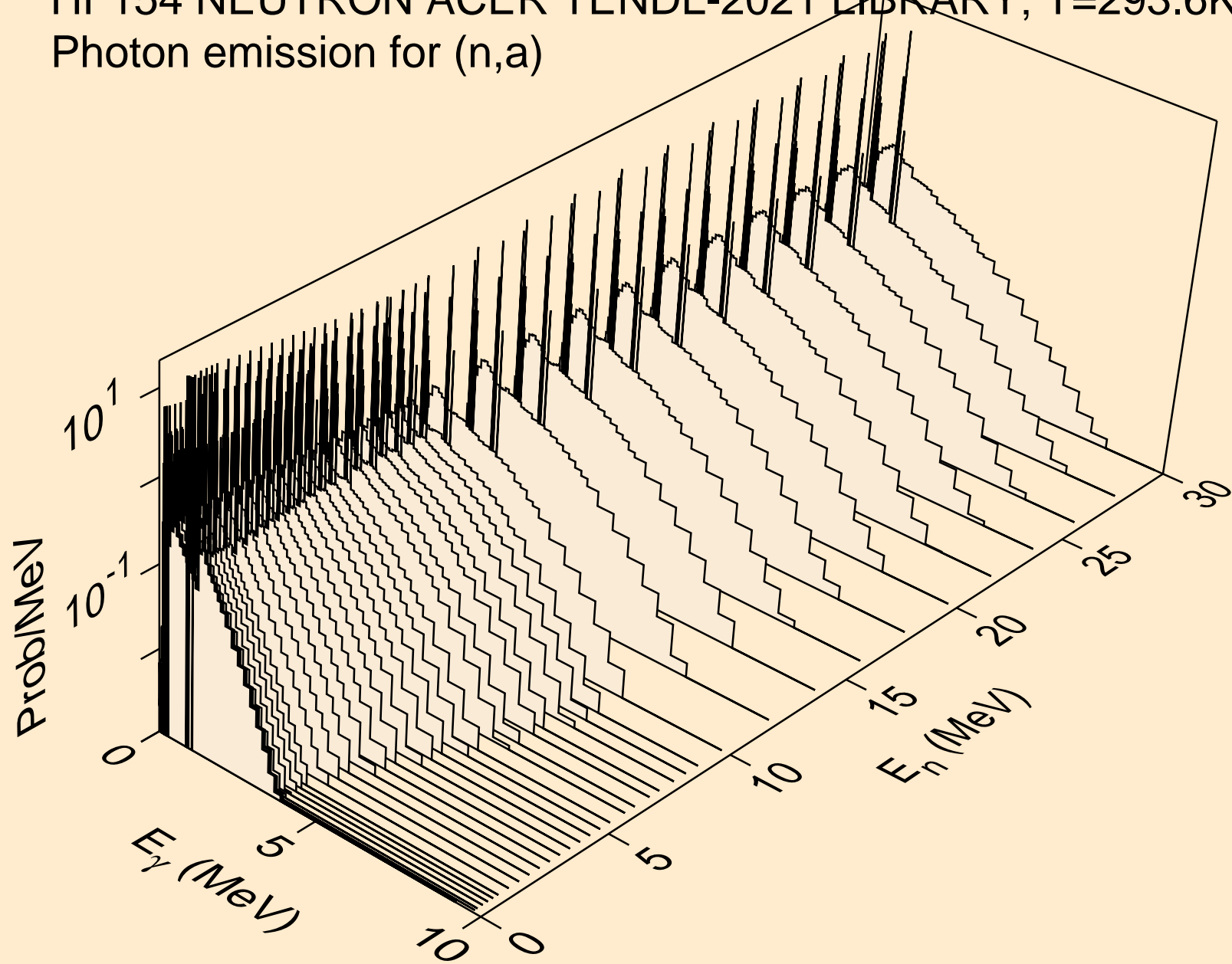
HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,t)



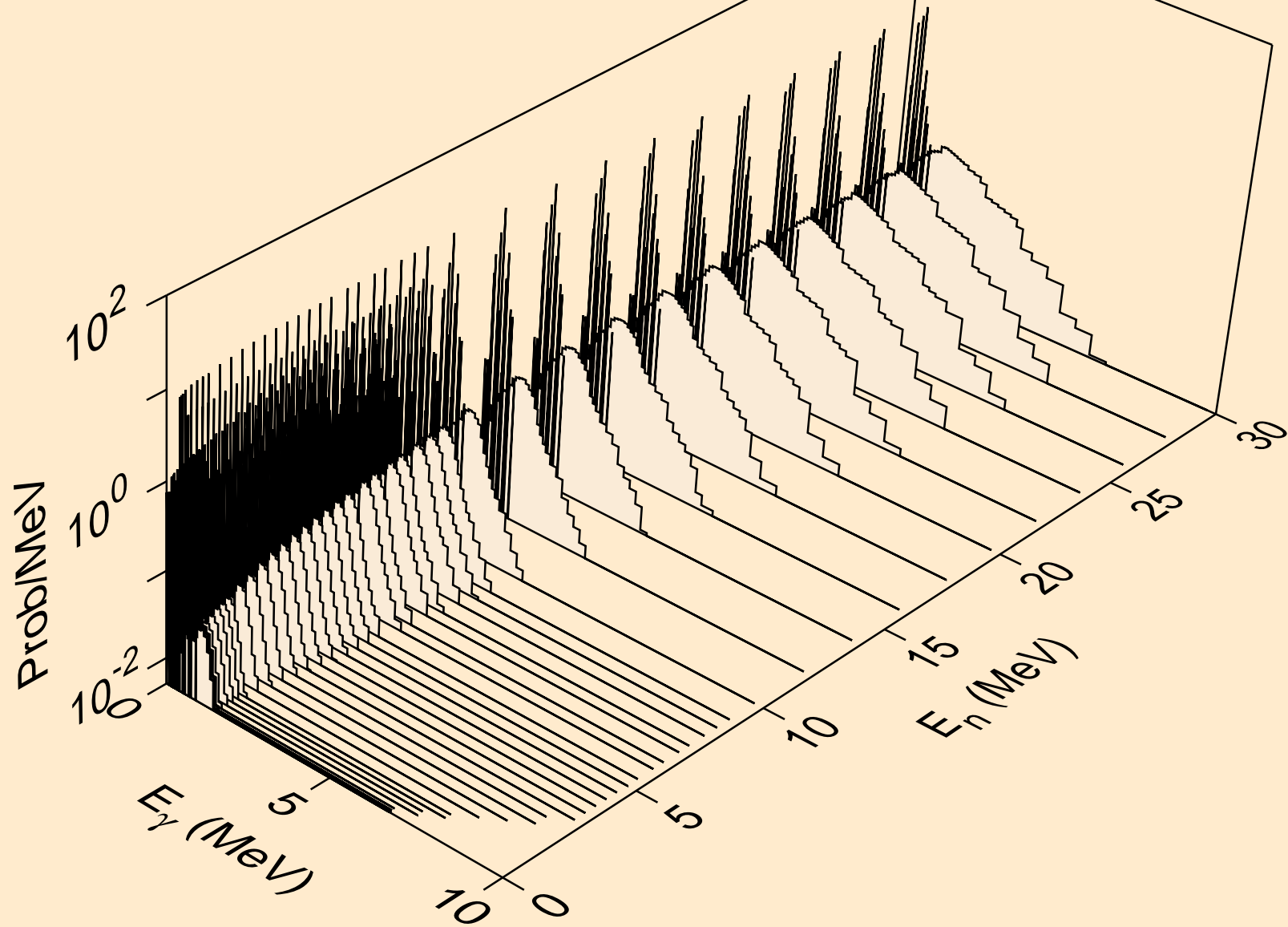
HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,he3)



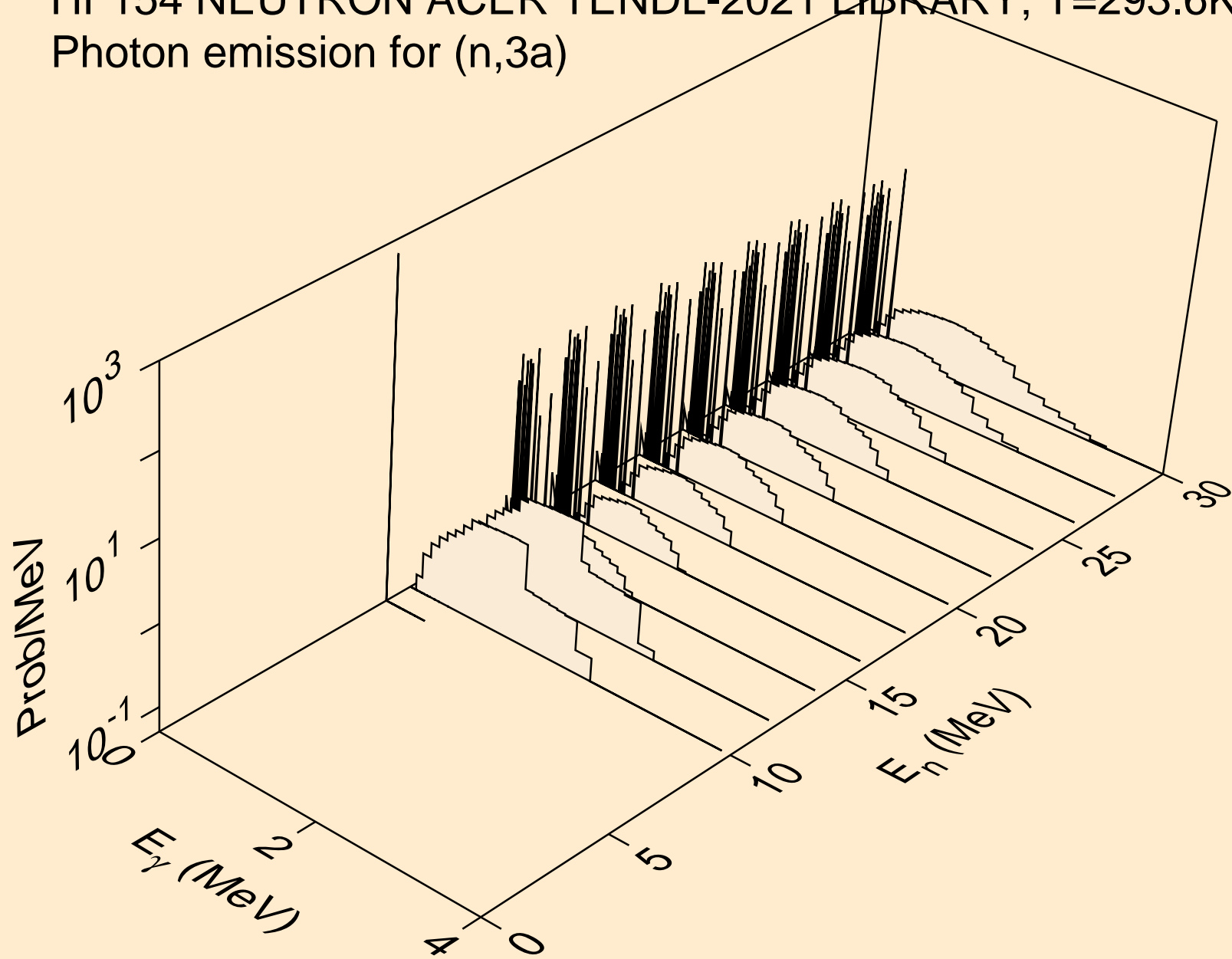
HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,a)



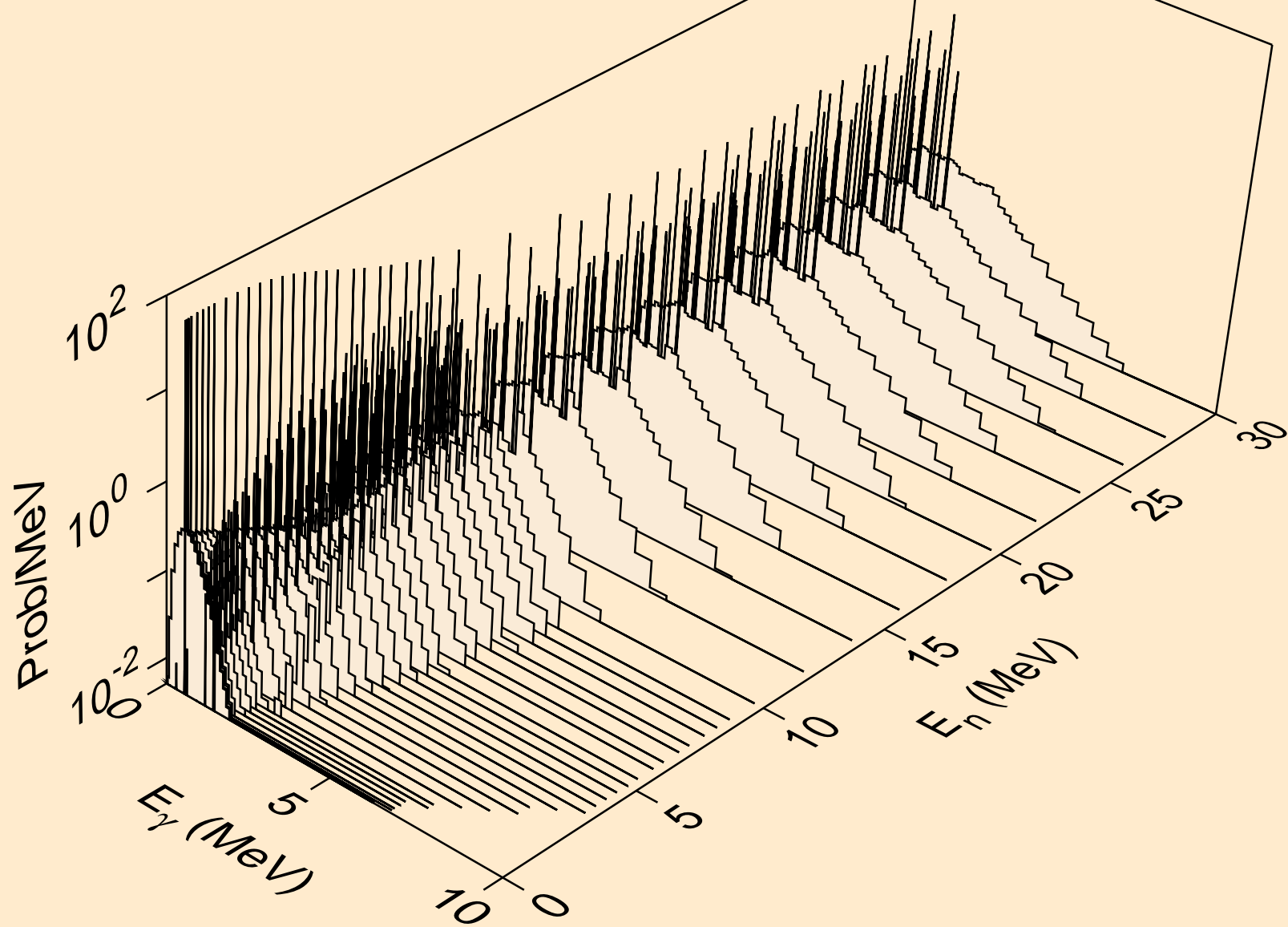
HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2a)



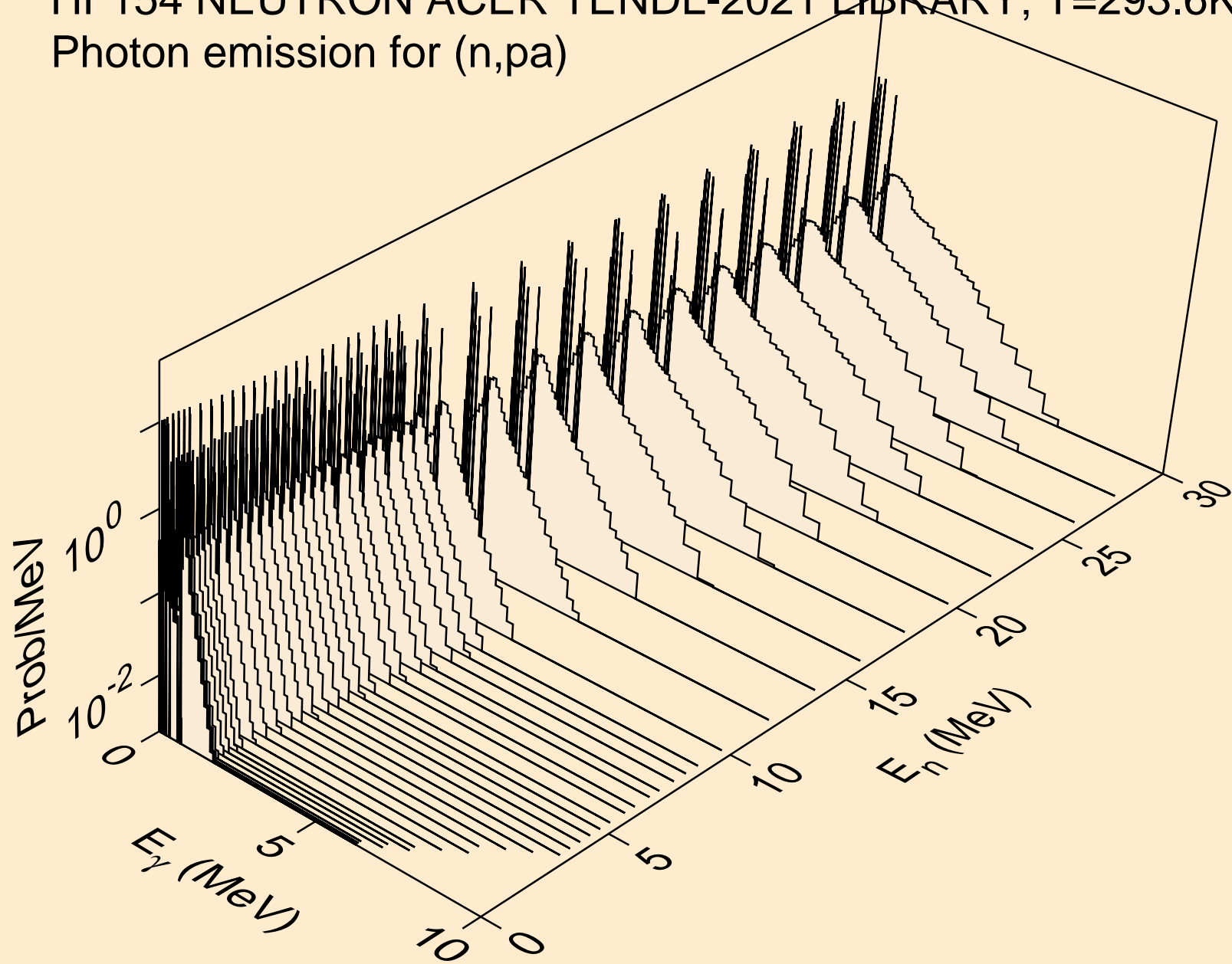
HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3a)



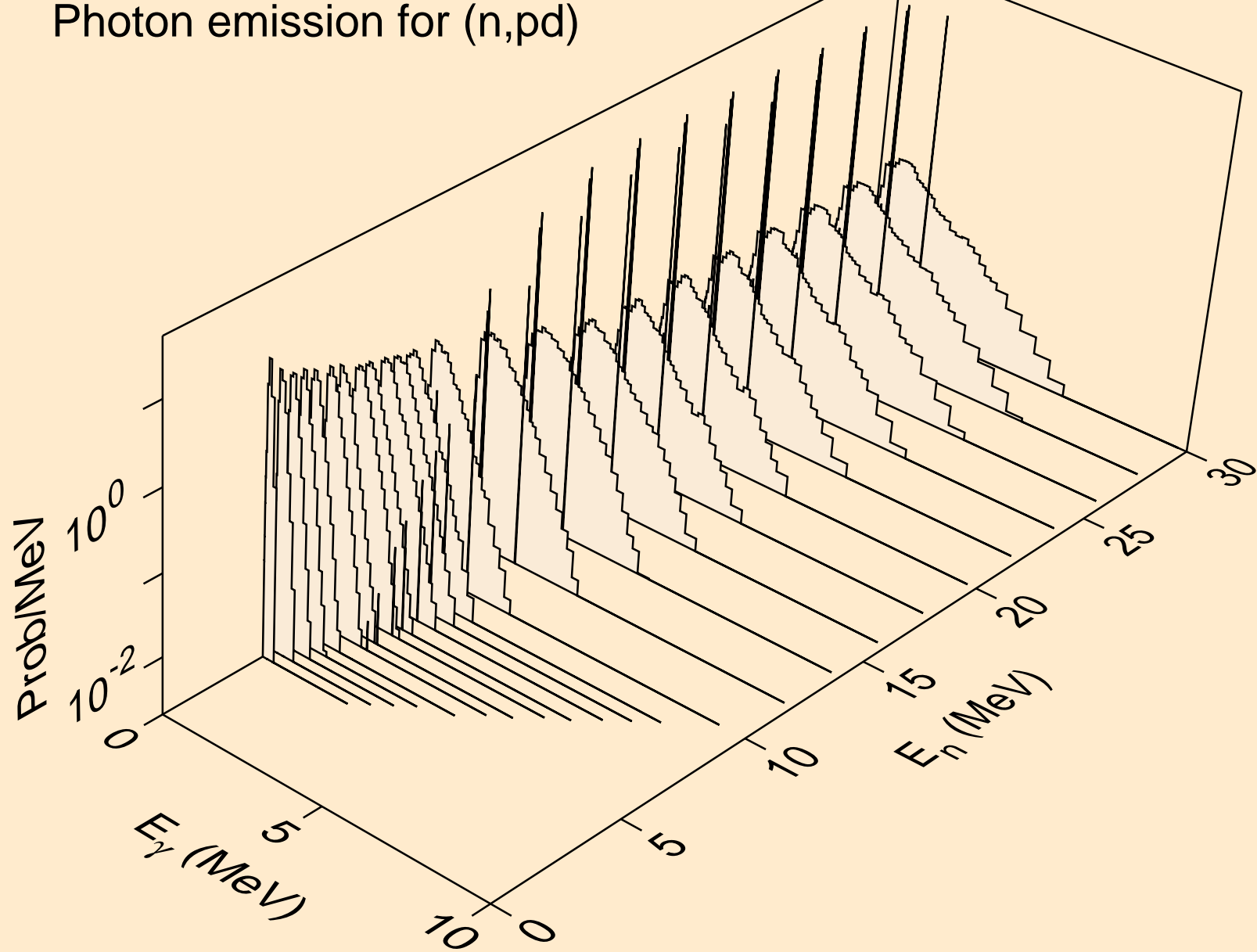
HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2p)



HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,p $\alpha$ )

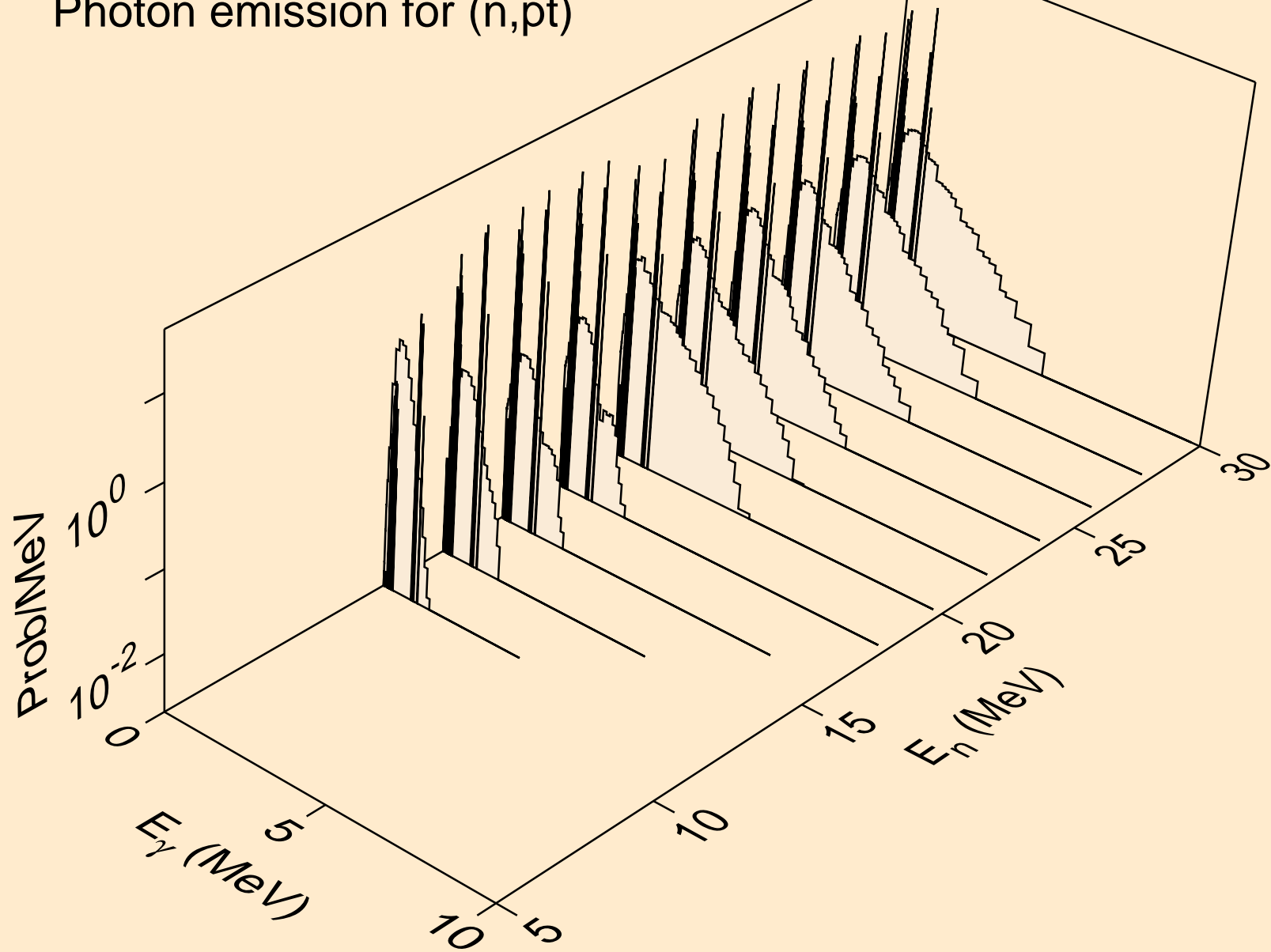


HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,pd)

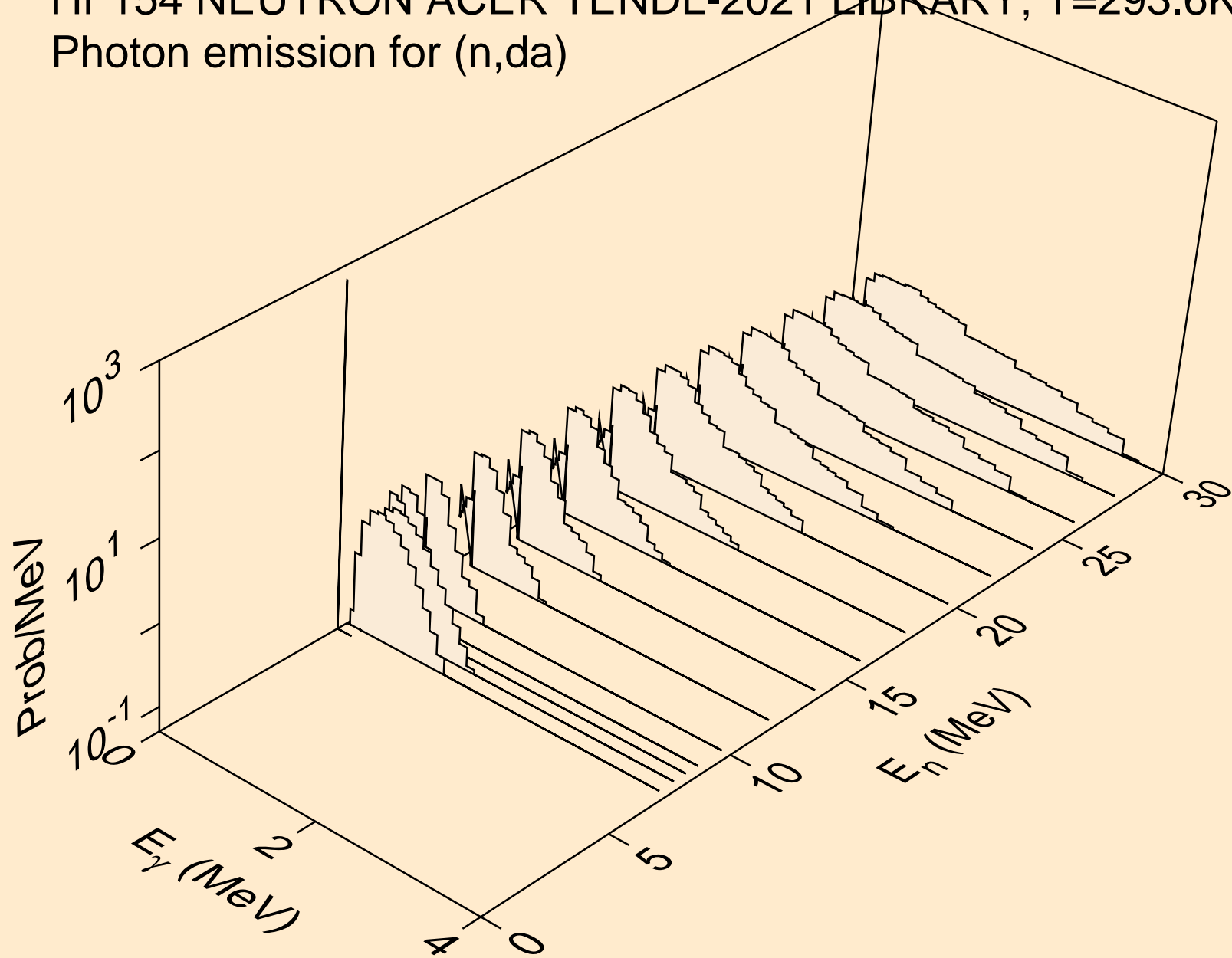




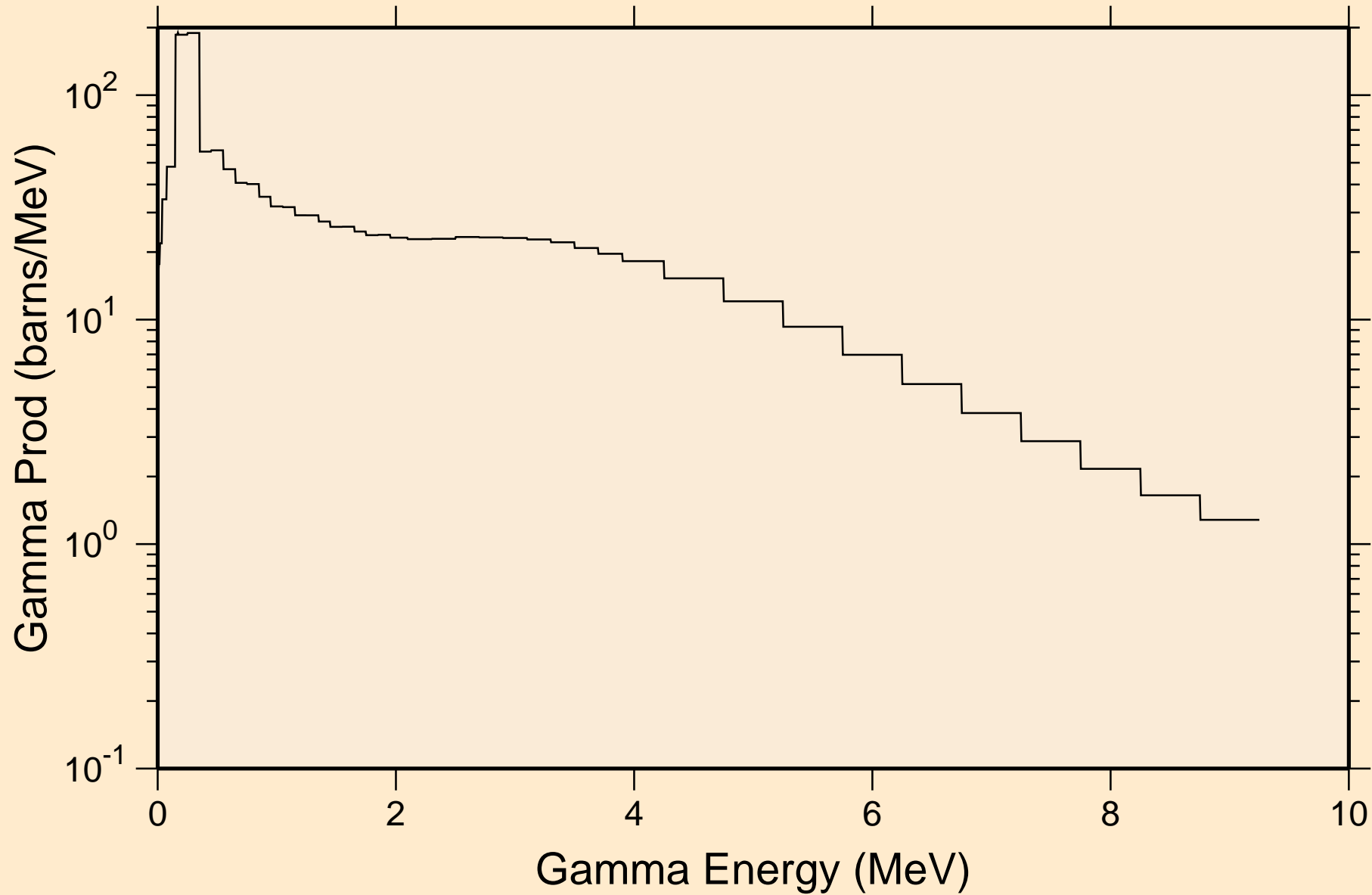
HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,pt)



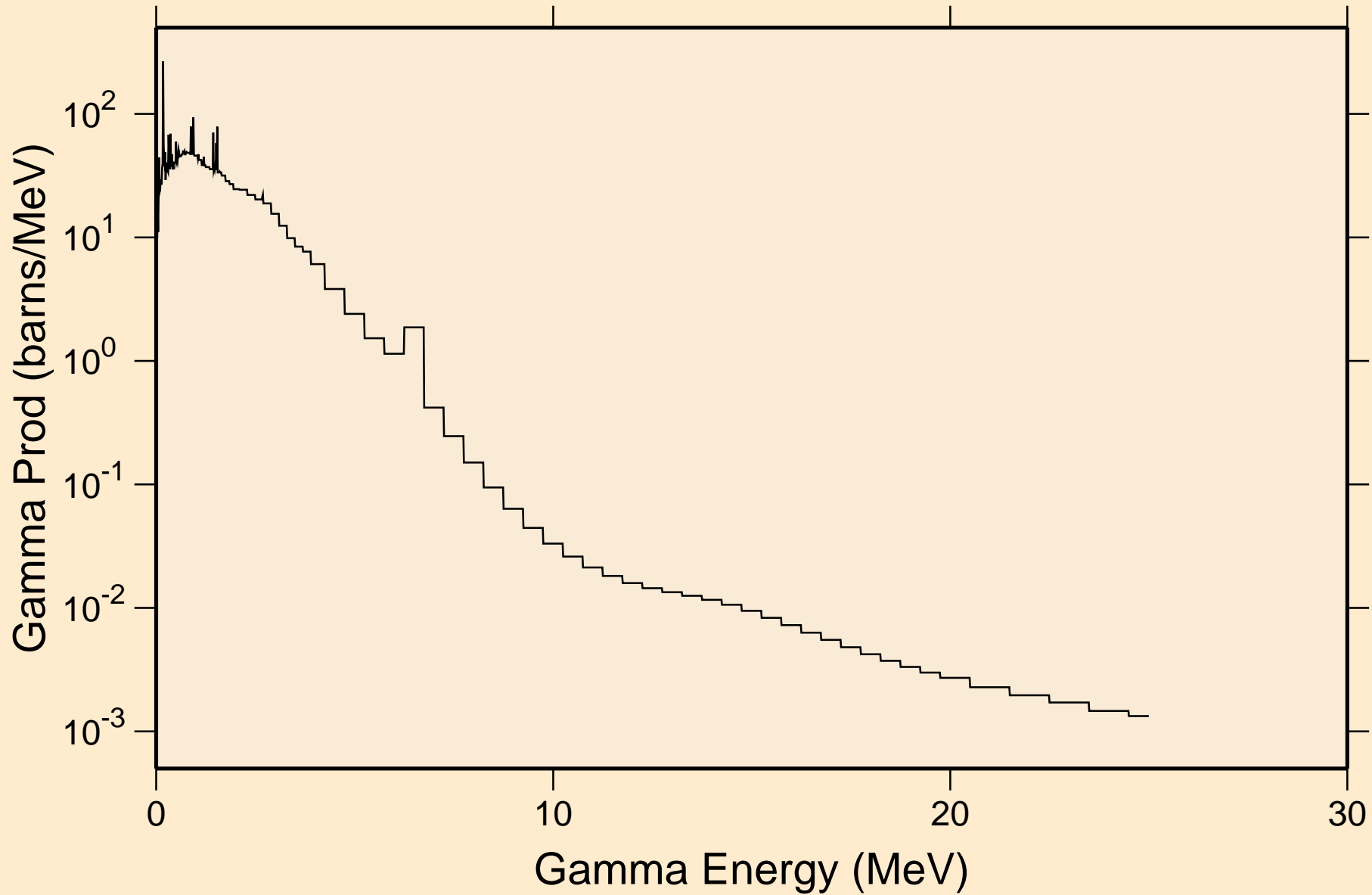
HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,da)



HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
thermal capture photon spectrum

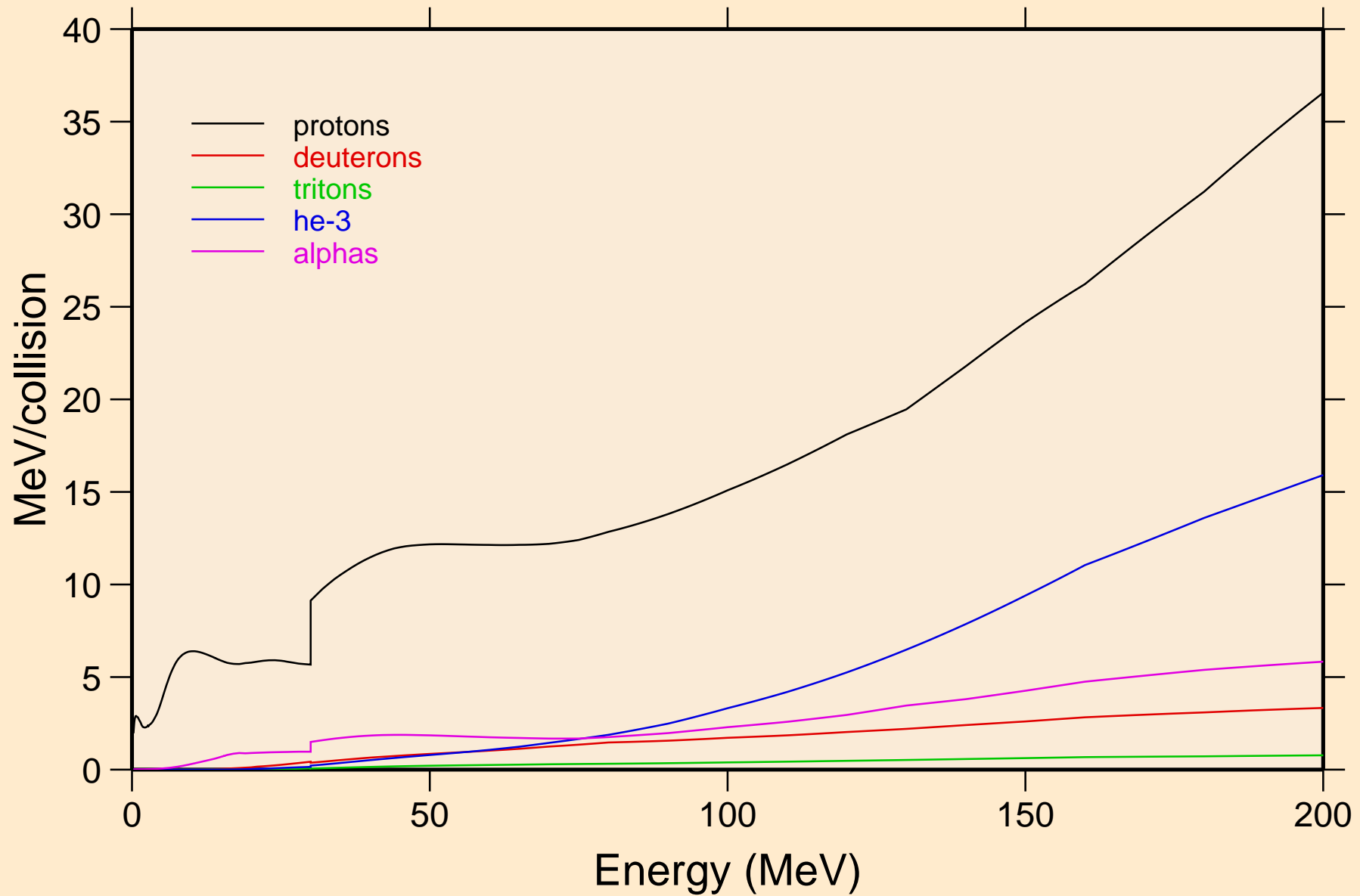


HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
14 MeV photon spectrum

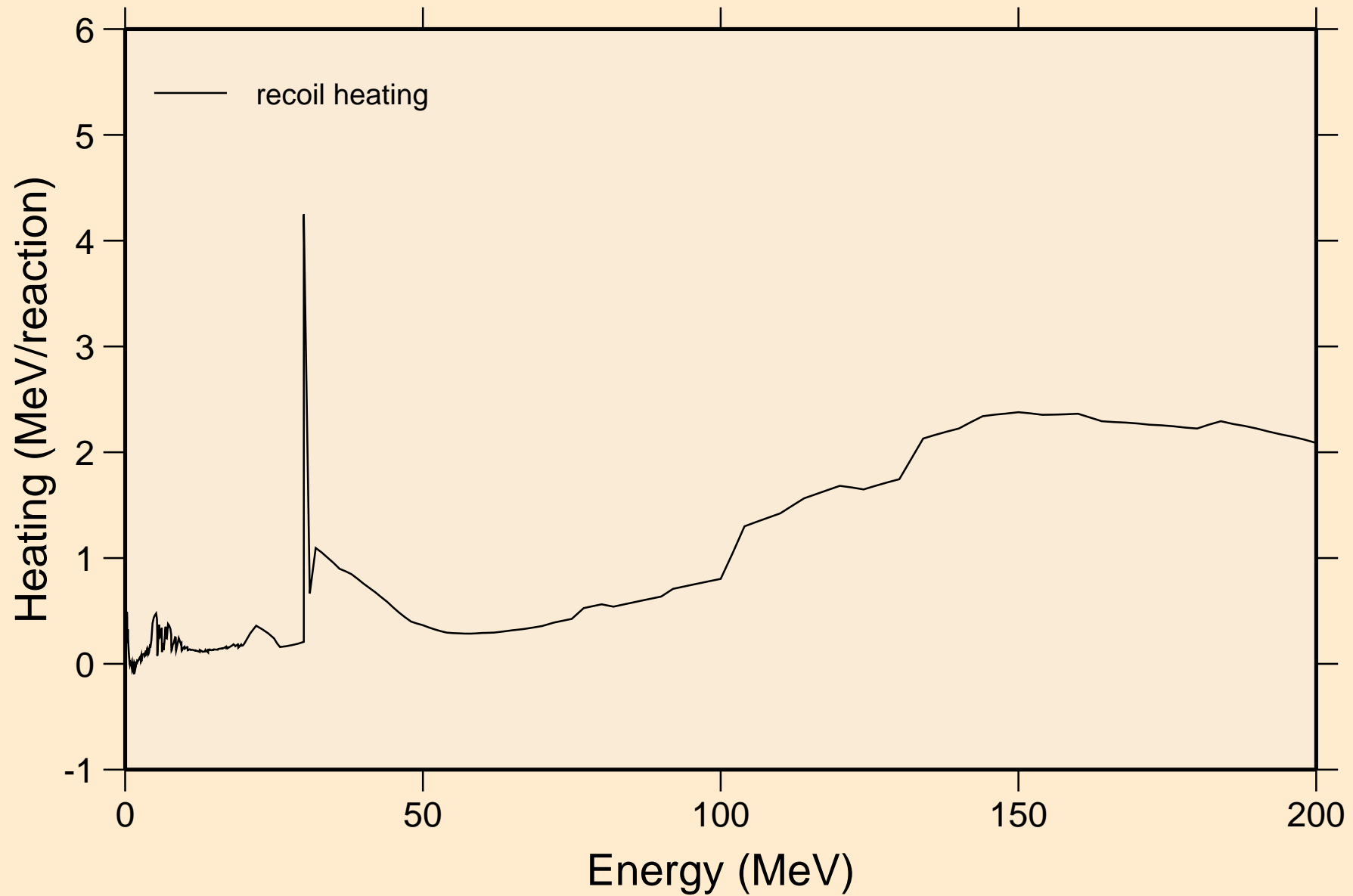


# HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Particle heating contributions

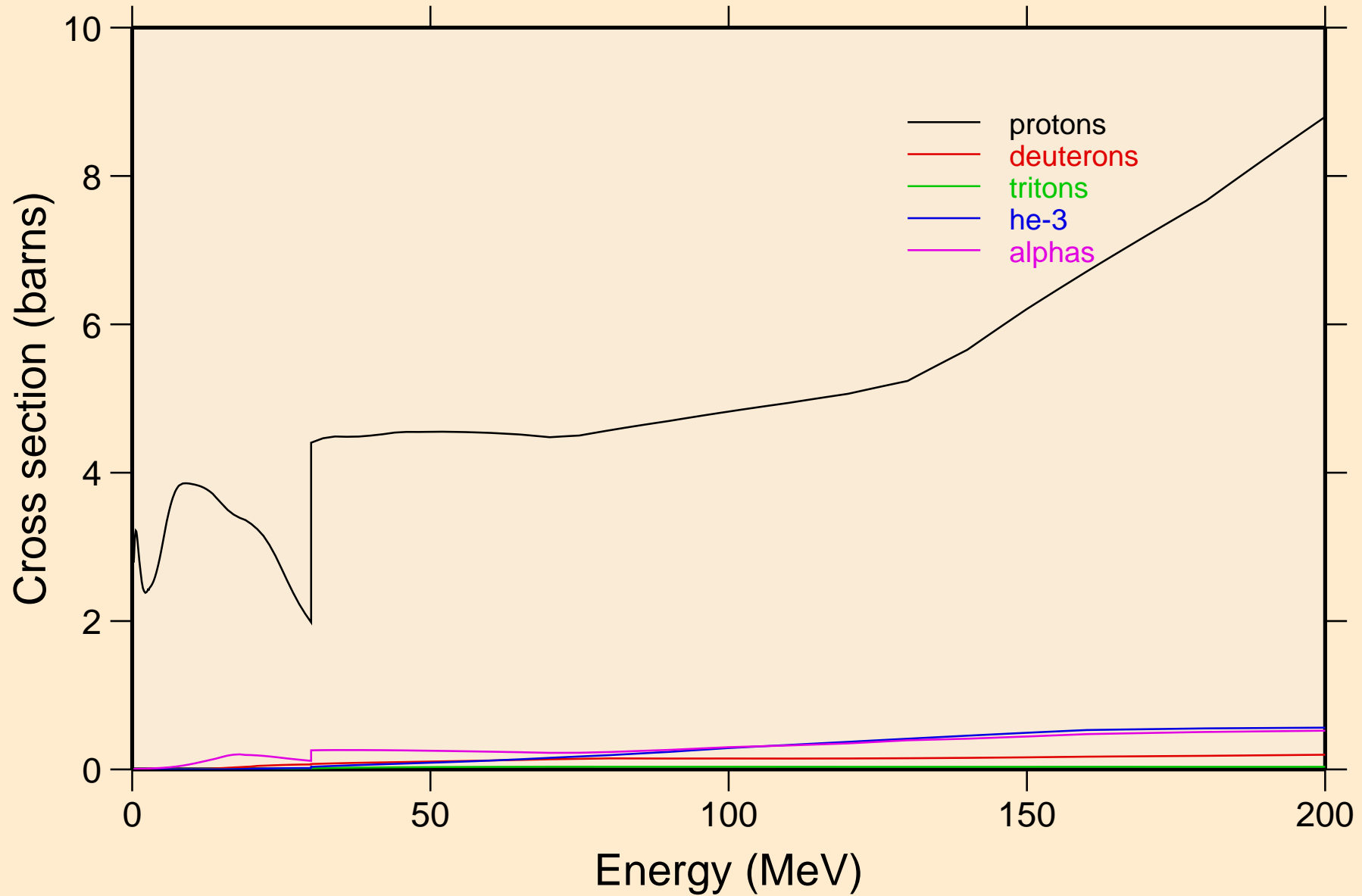


HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Recoil Heating

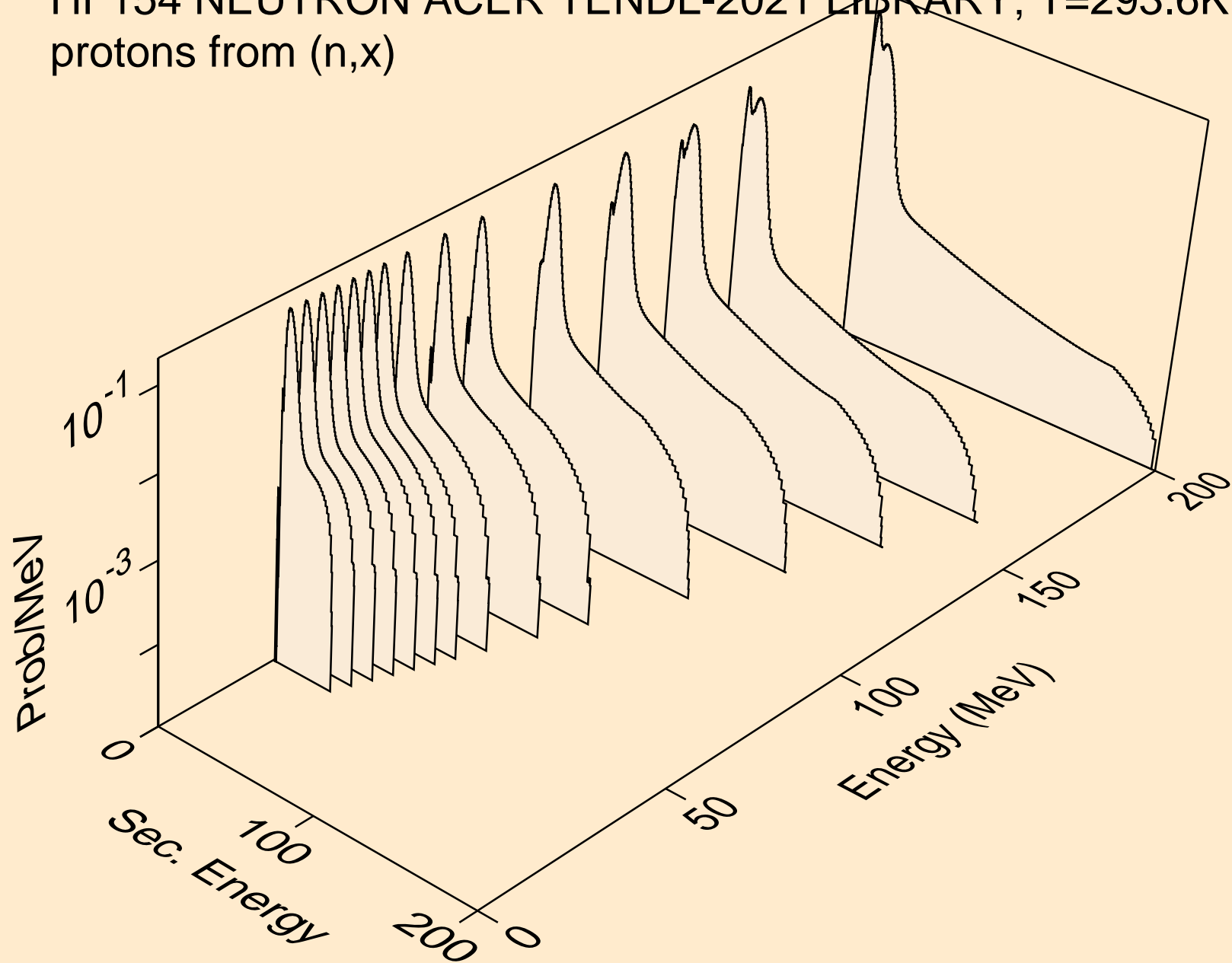


# HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Particle production cross sections

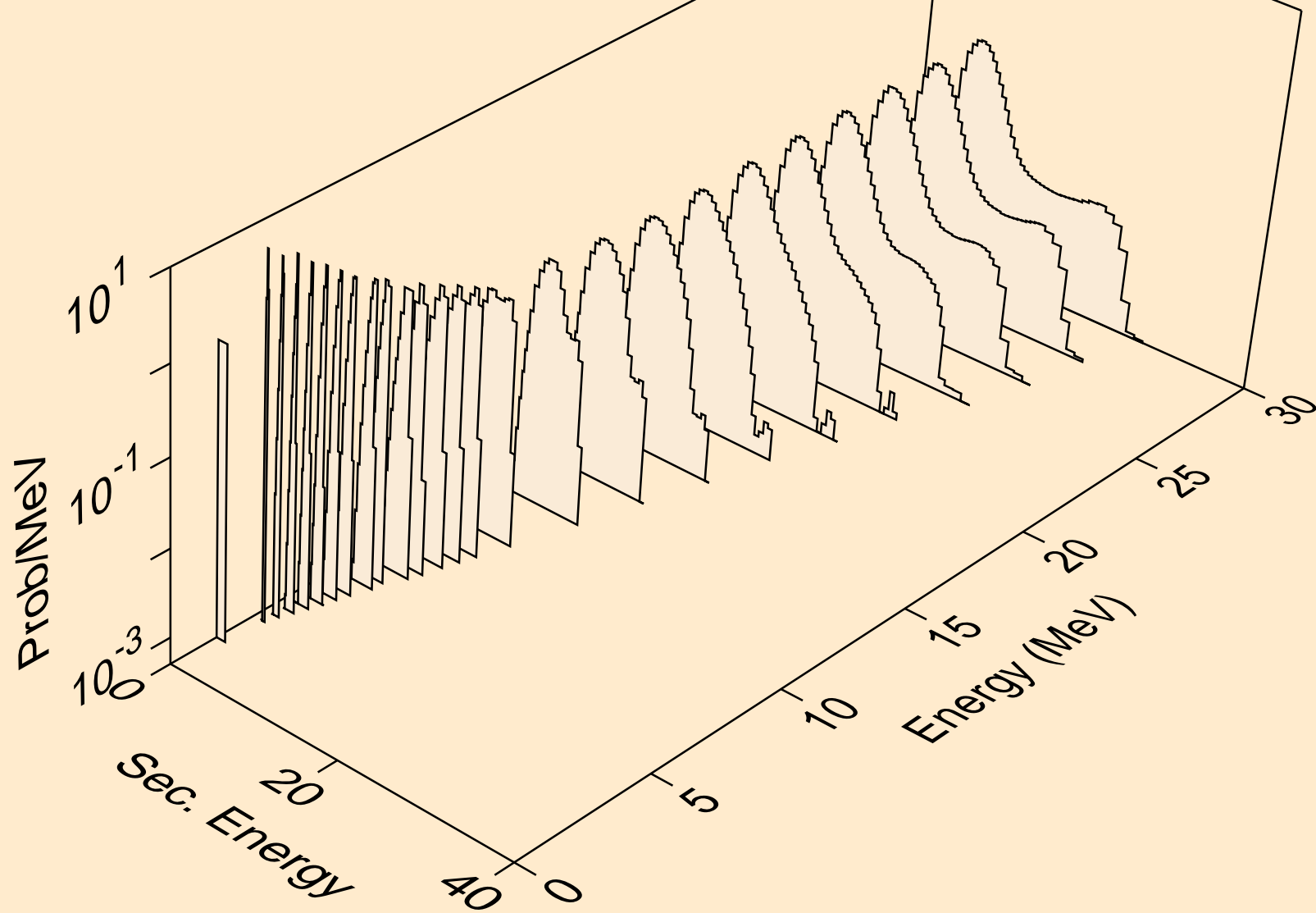


HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,x)

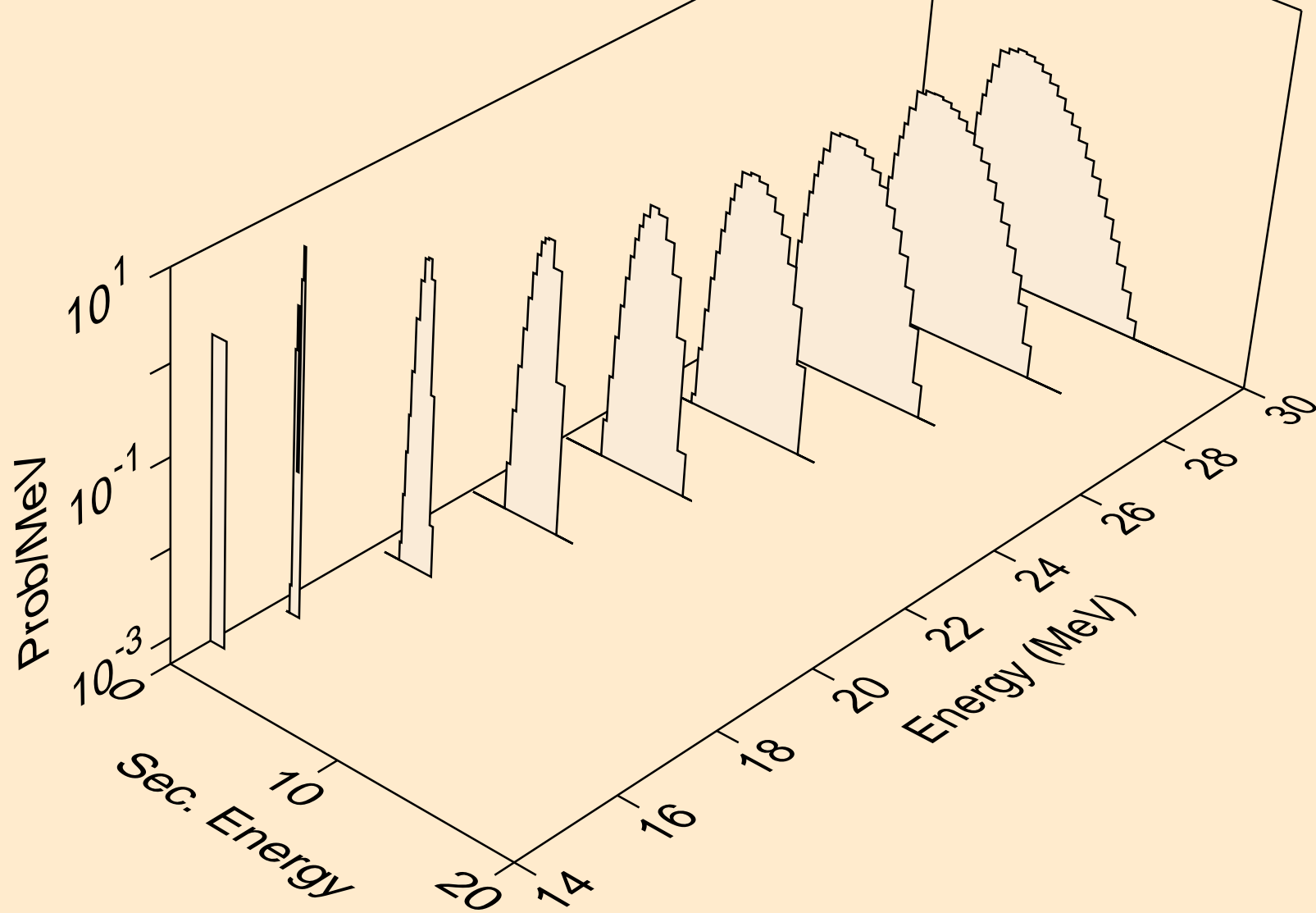




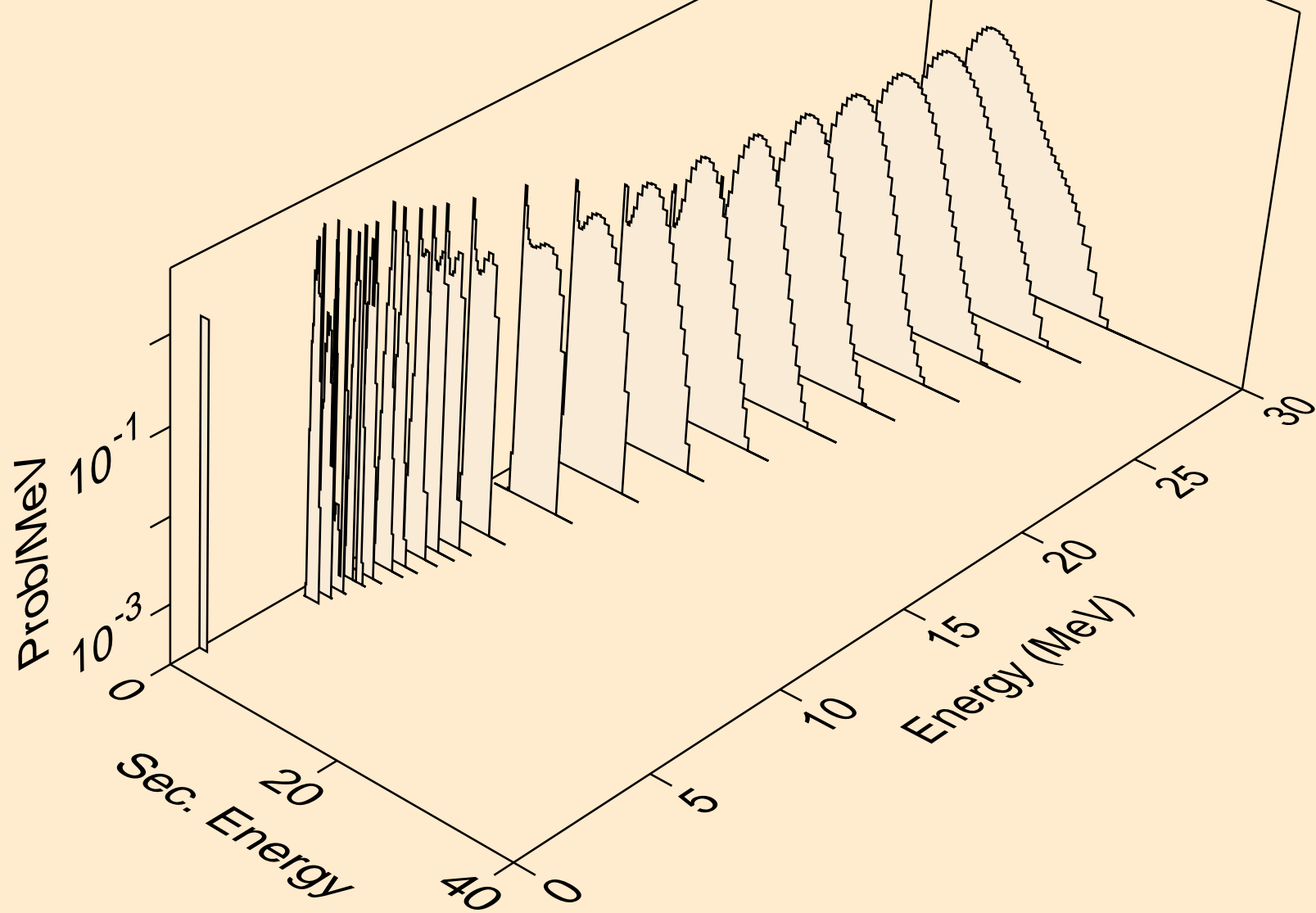
HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,n\*)p



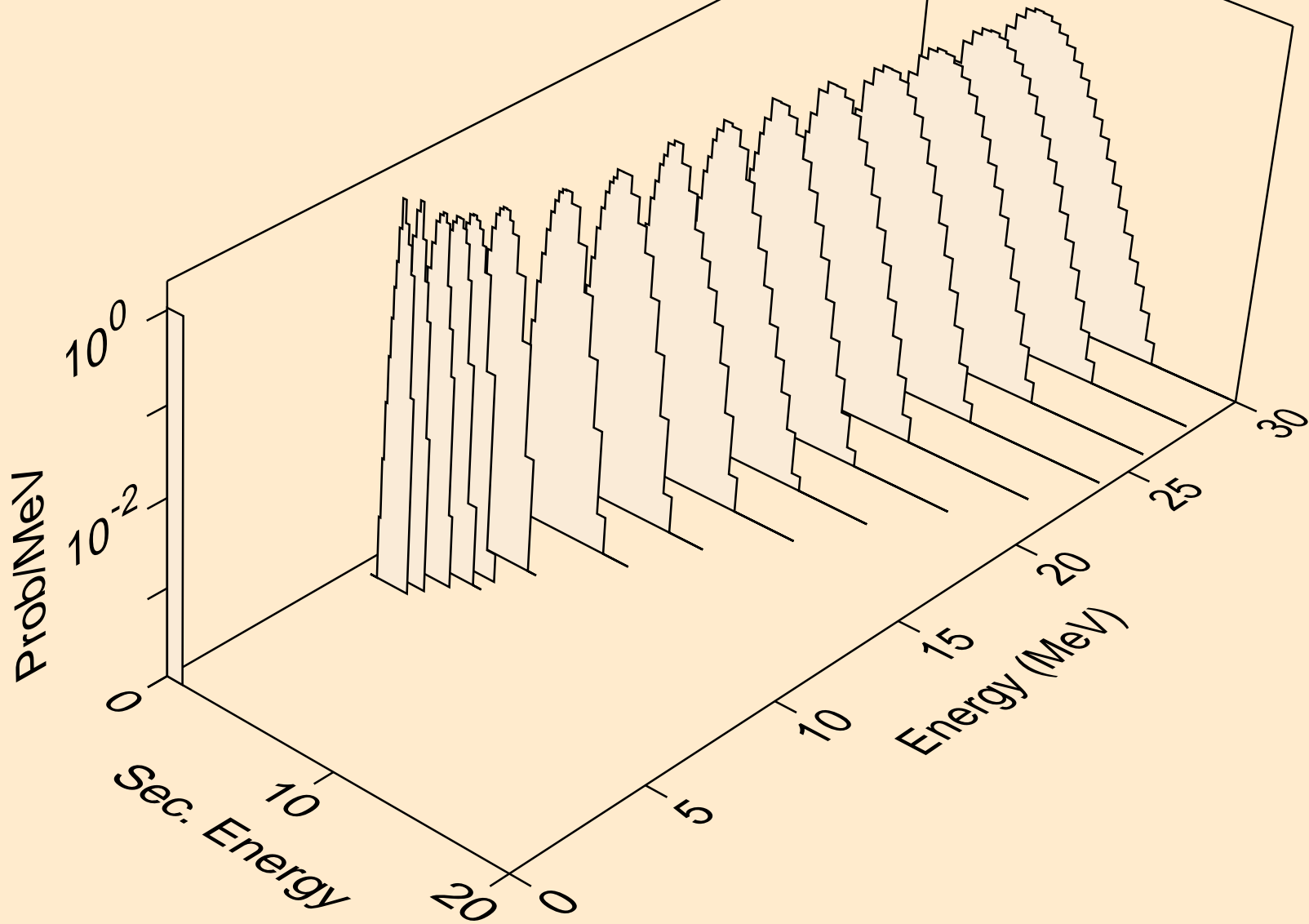
HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,2np)



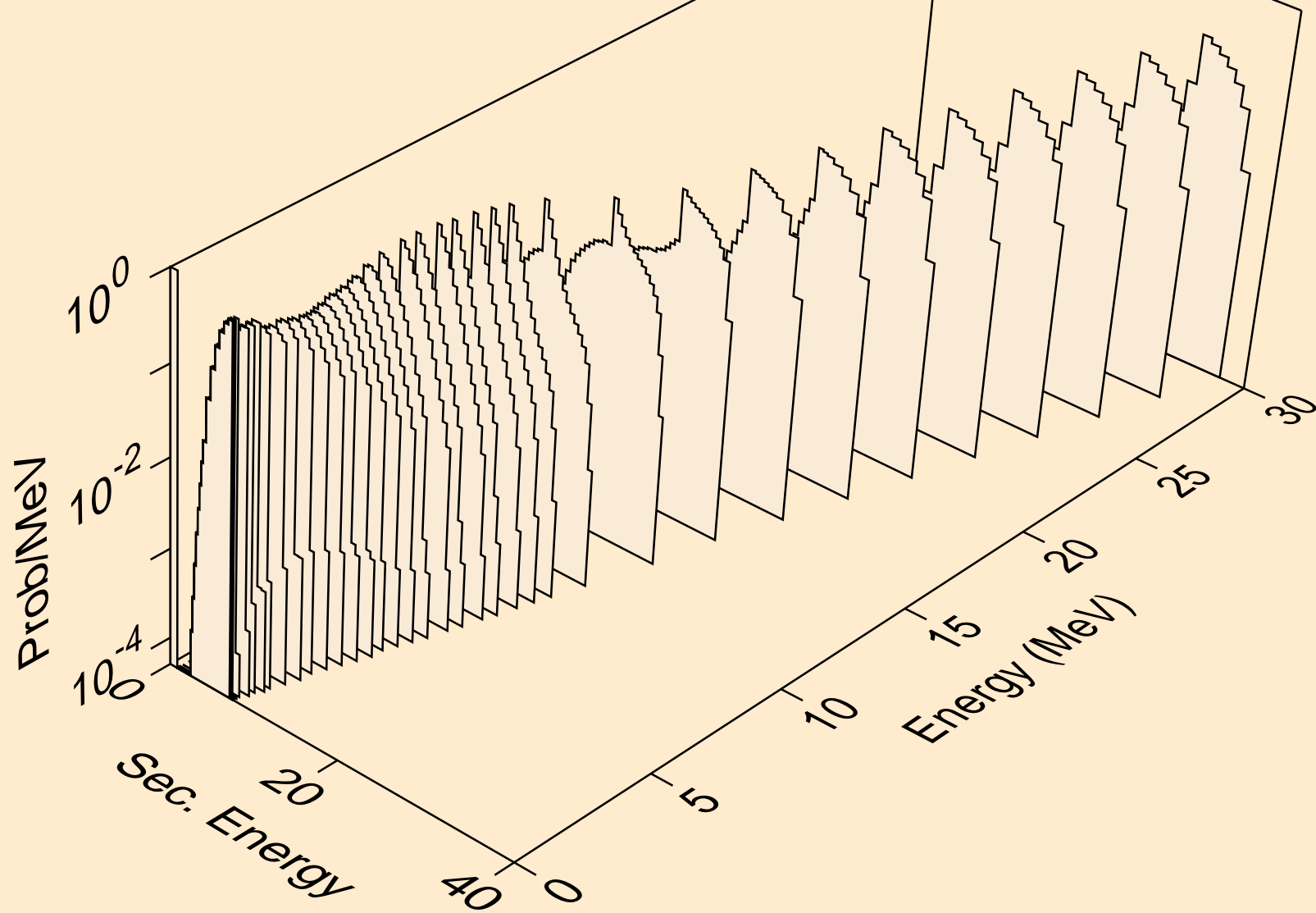
HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,2np)



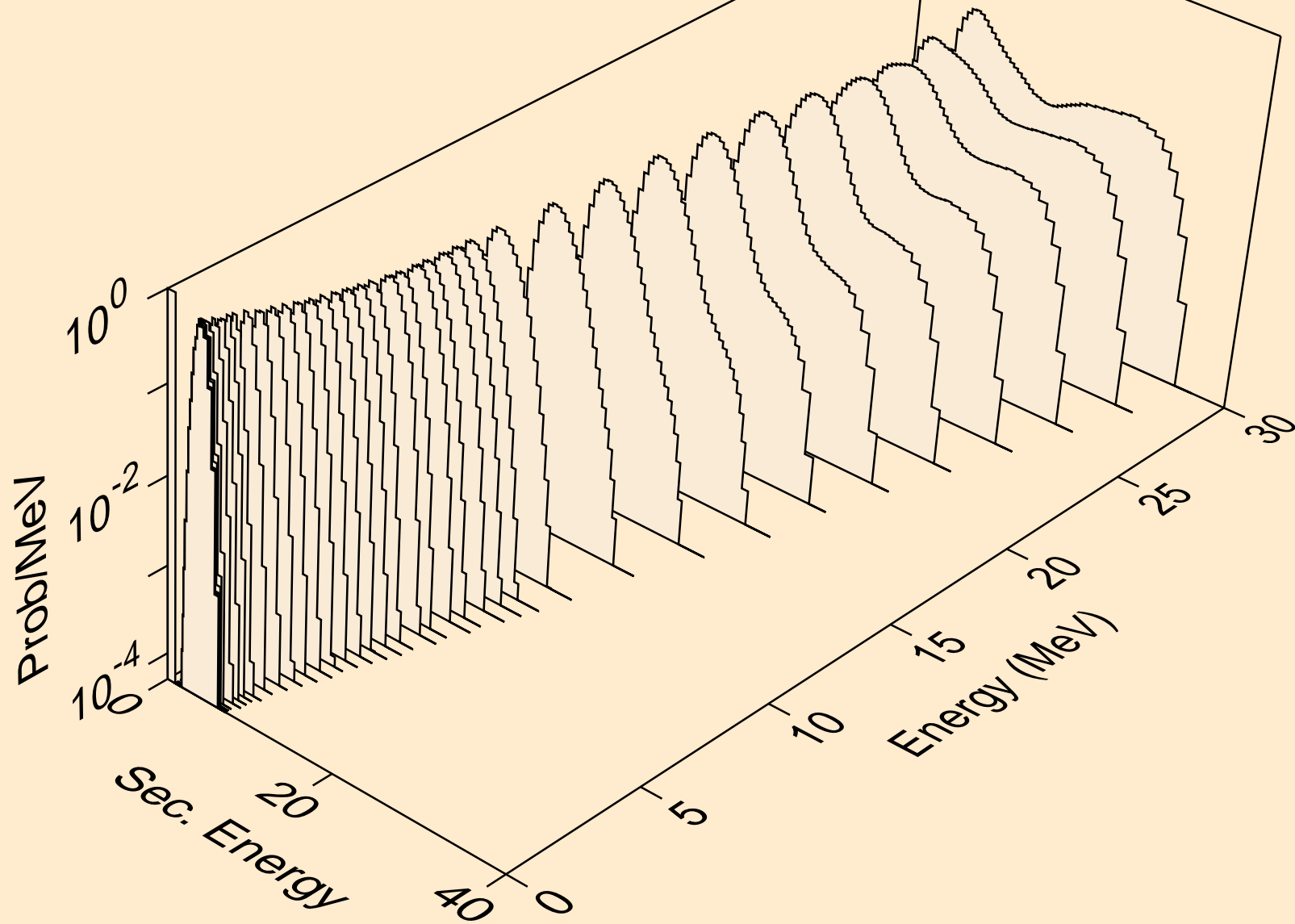
HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,npa)



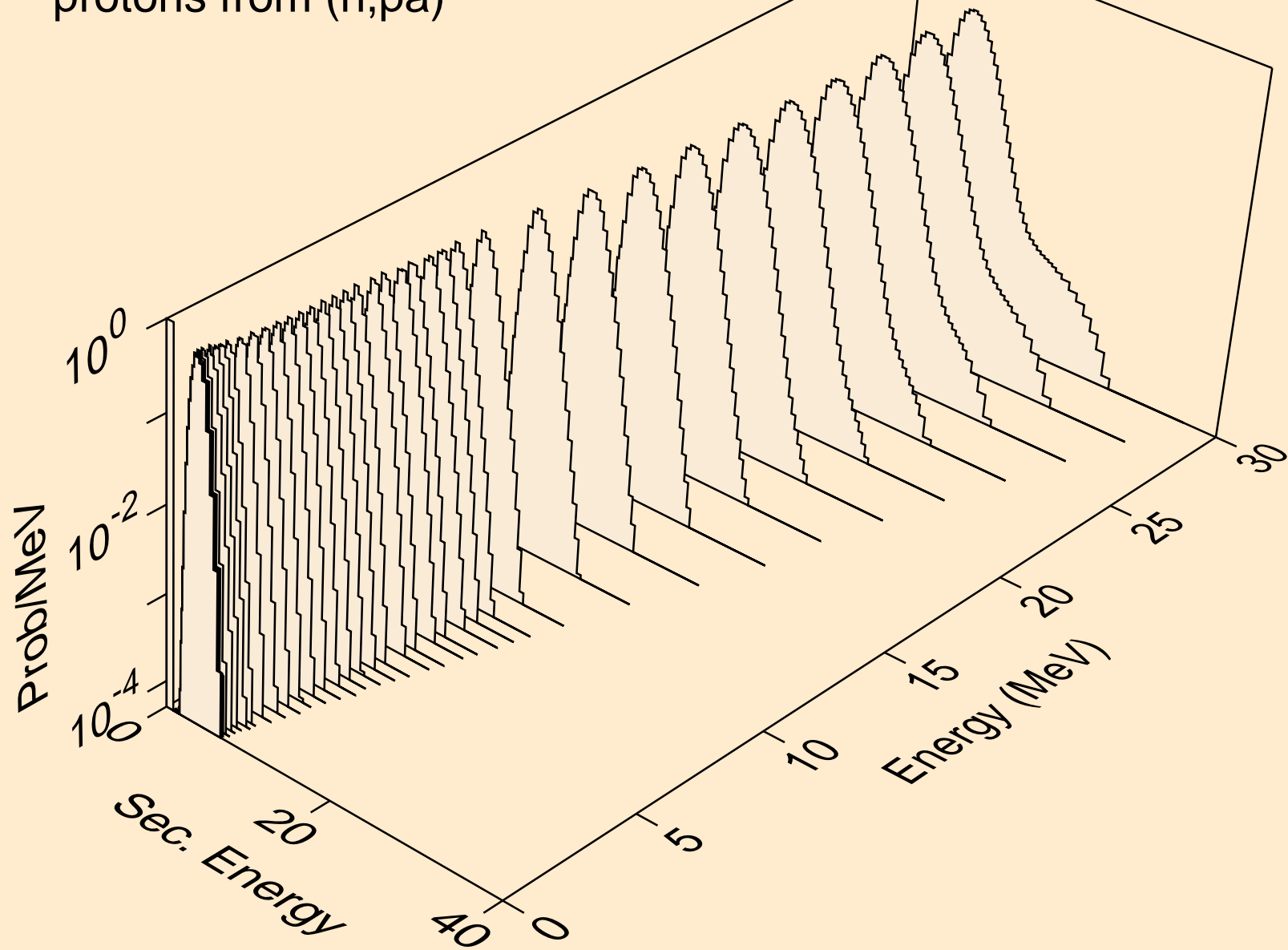
HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,p)



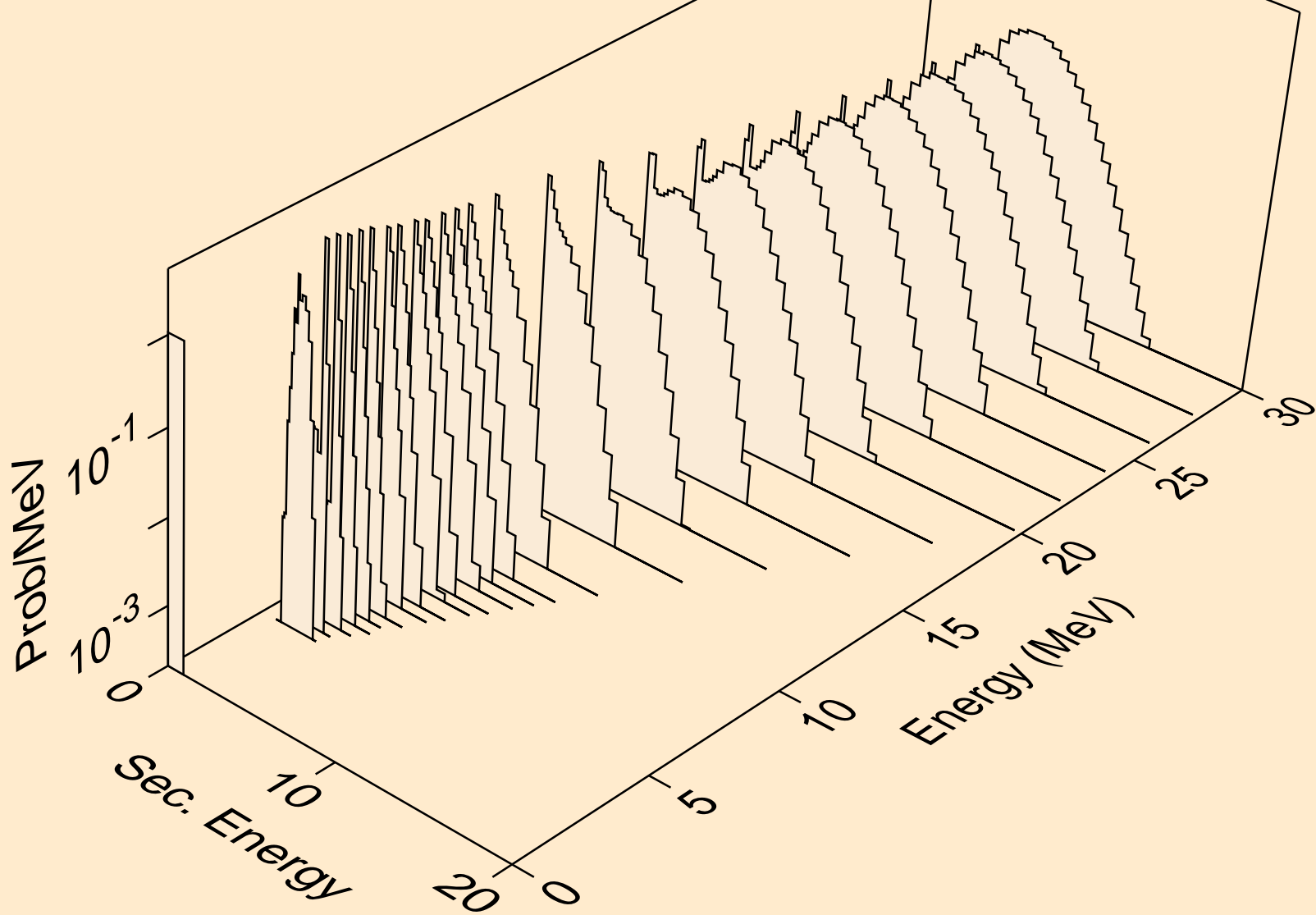
HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,2p)



HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,p)

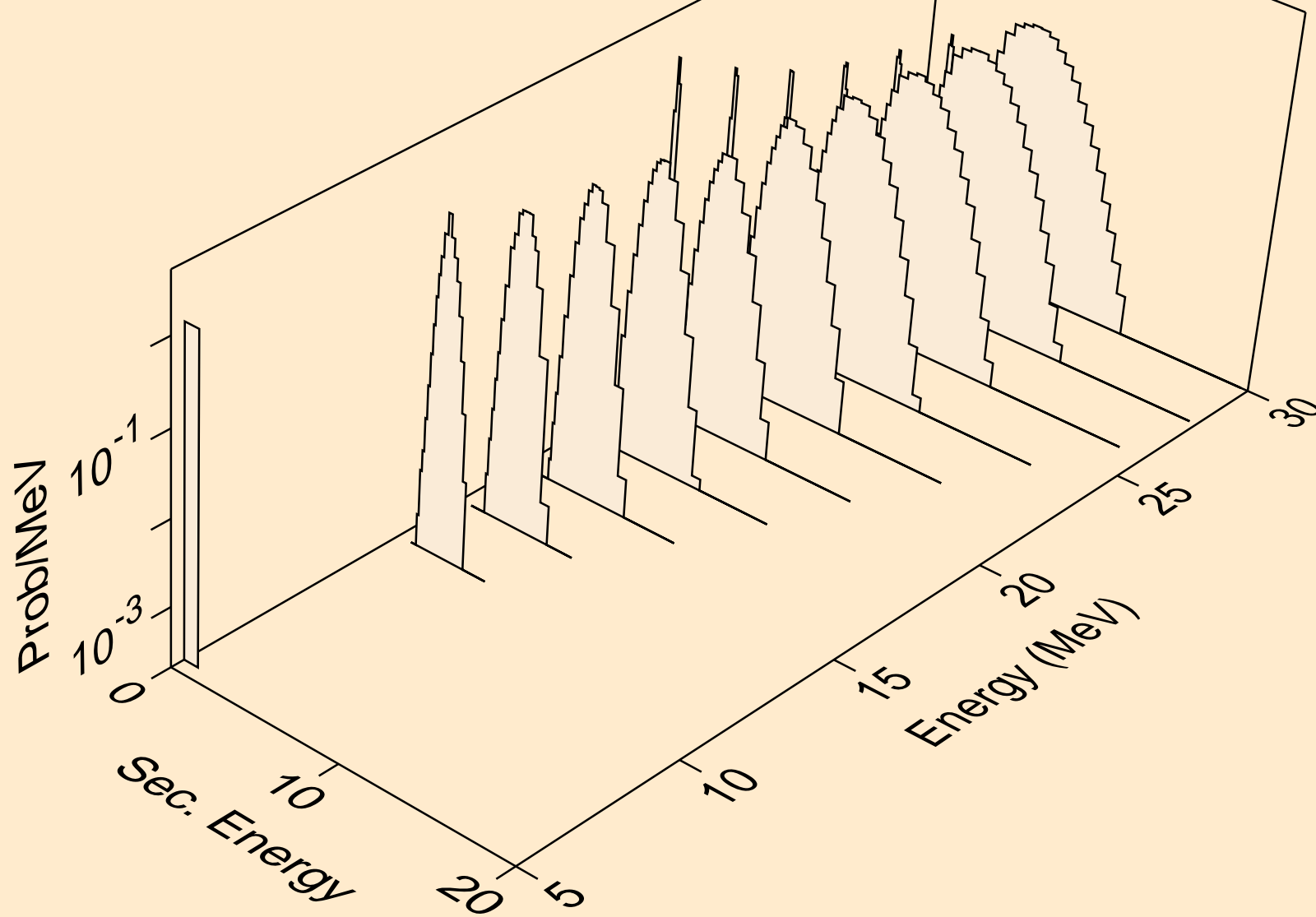


HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,pd)

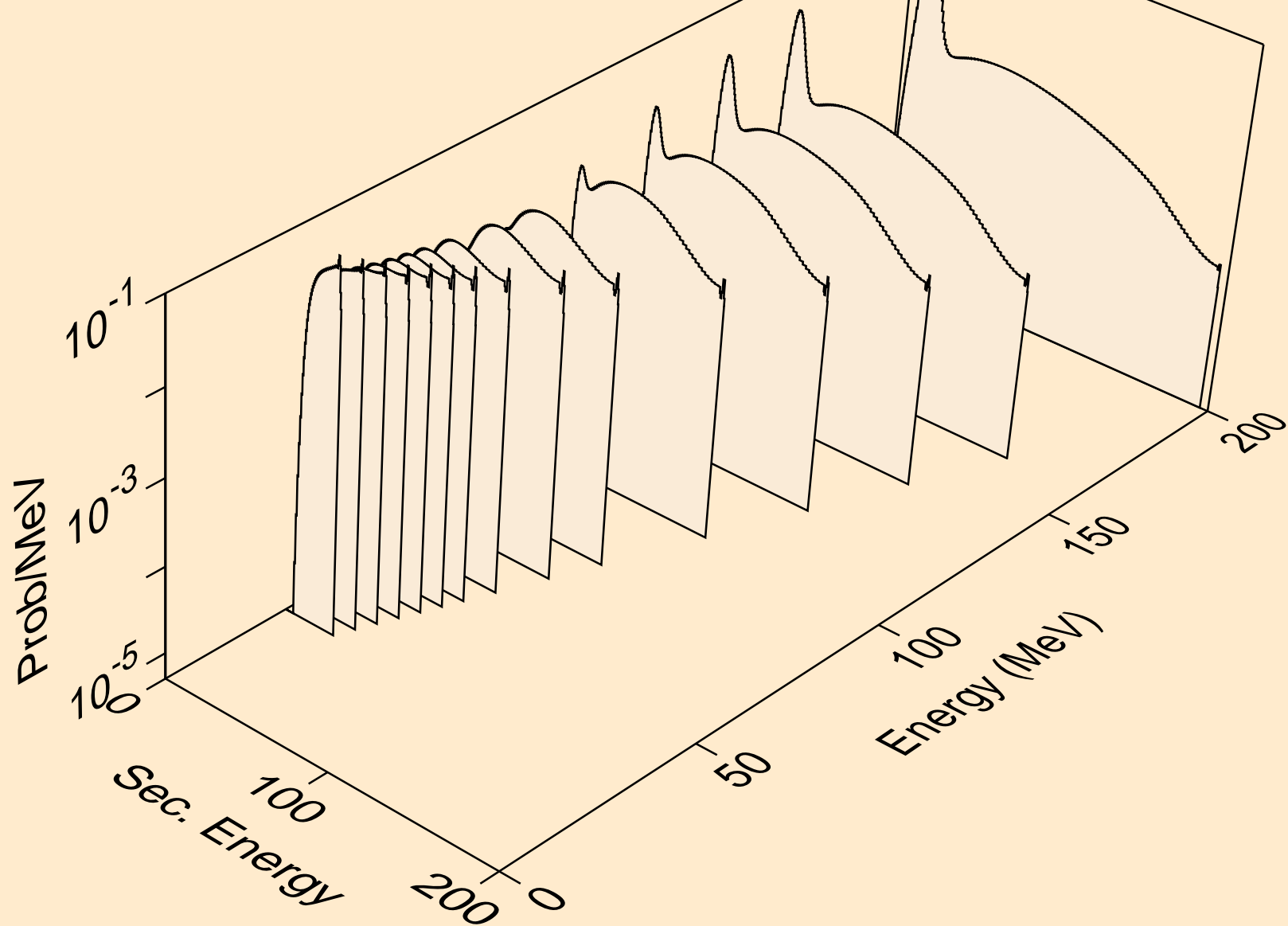




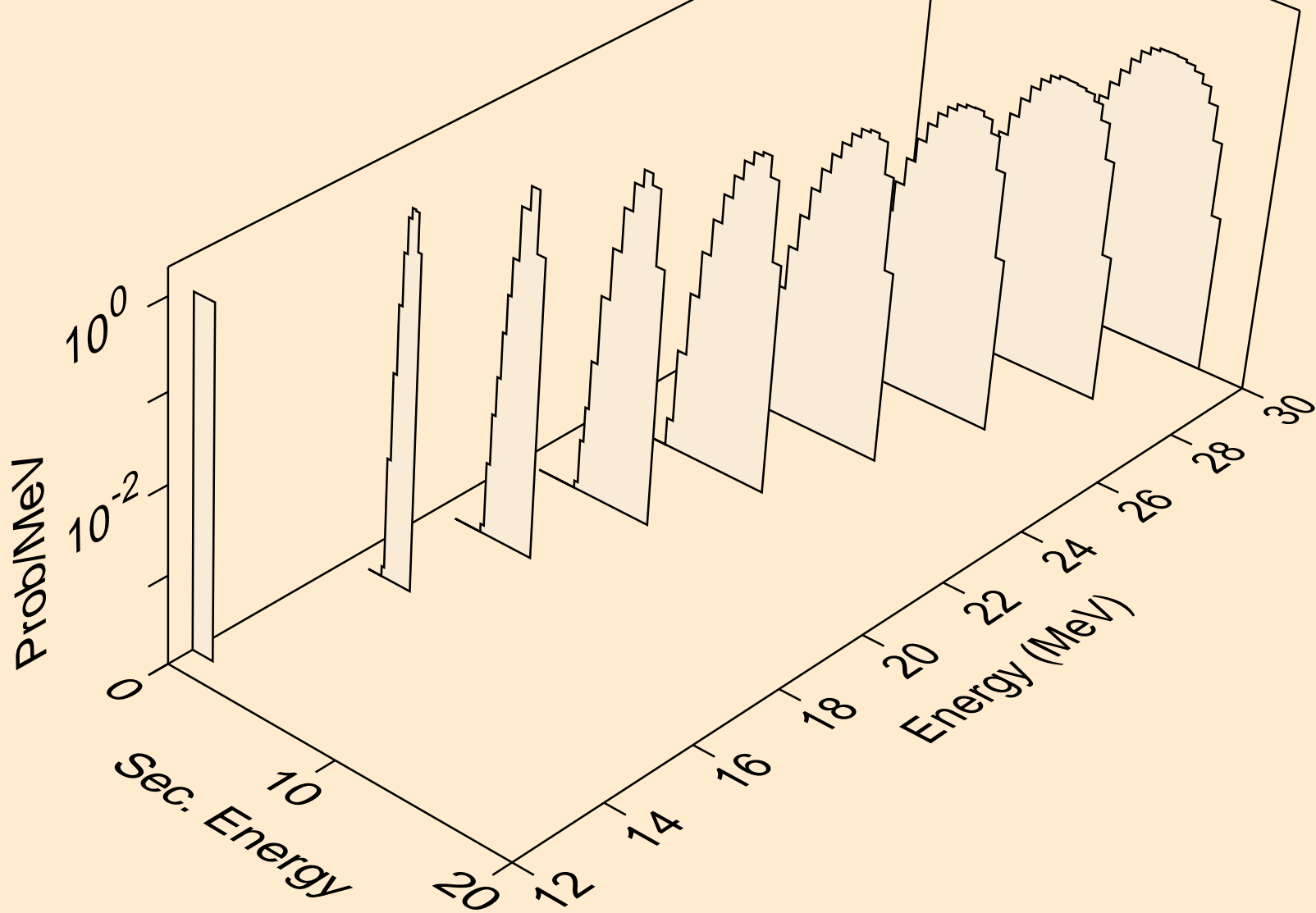
HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,pt)



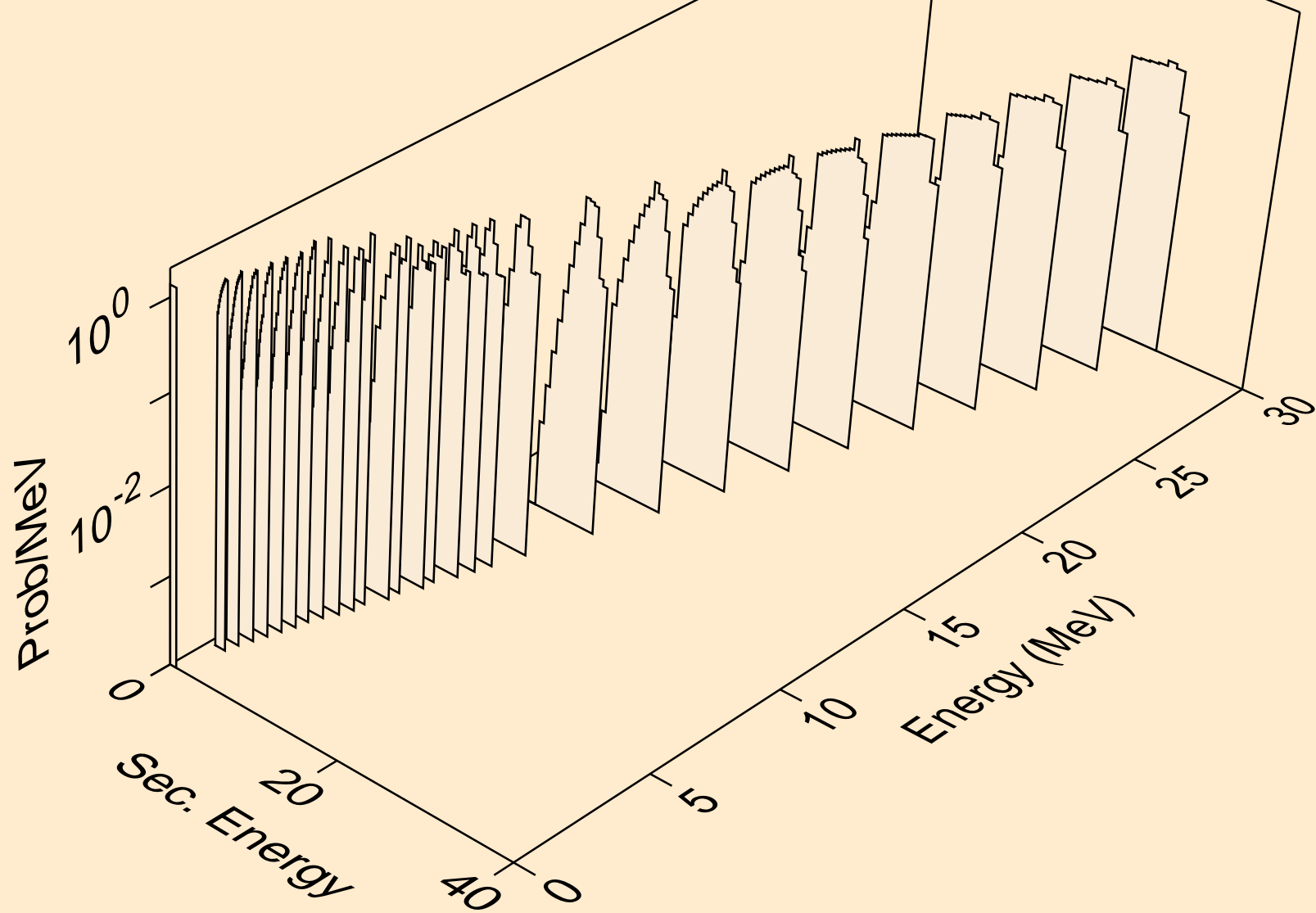
HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,x)



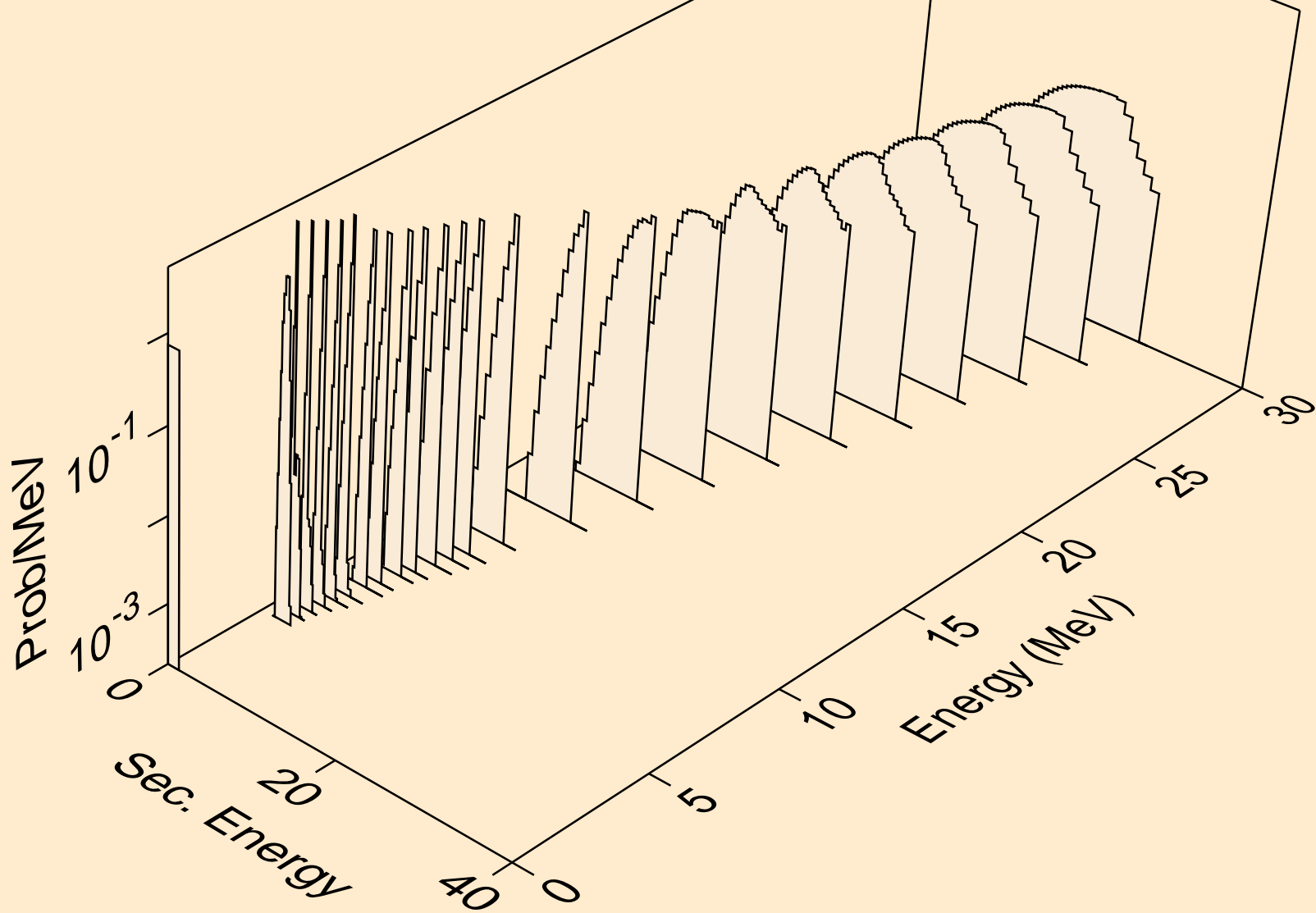
HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,n\*)d



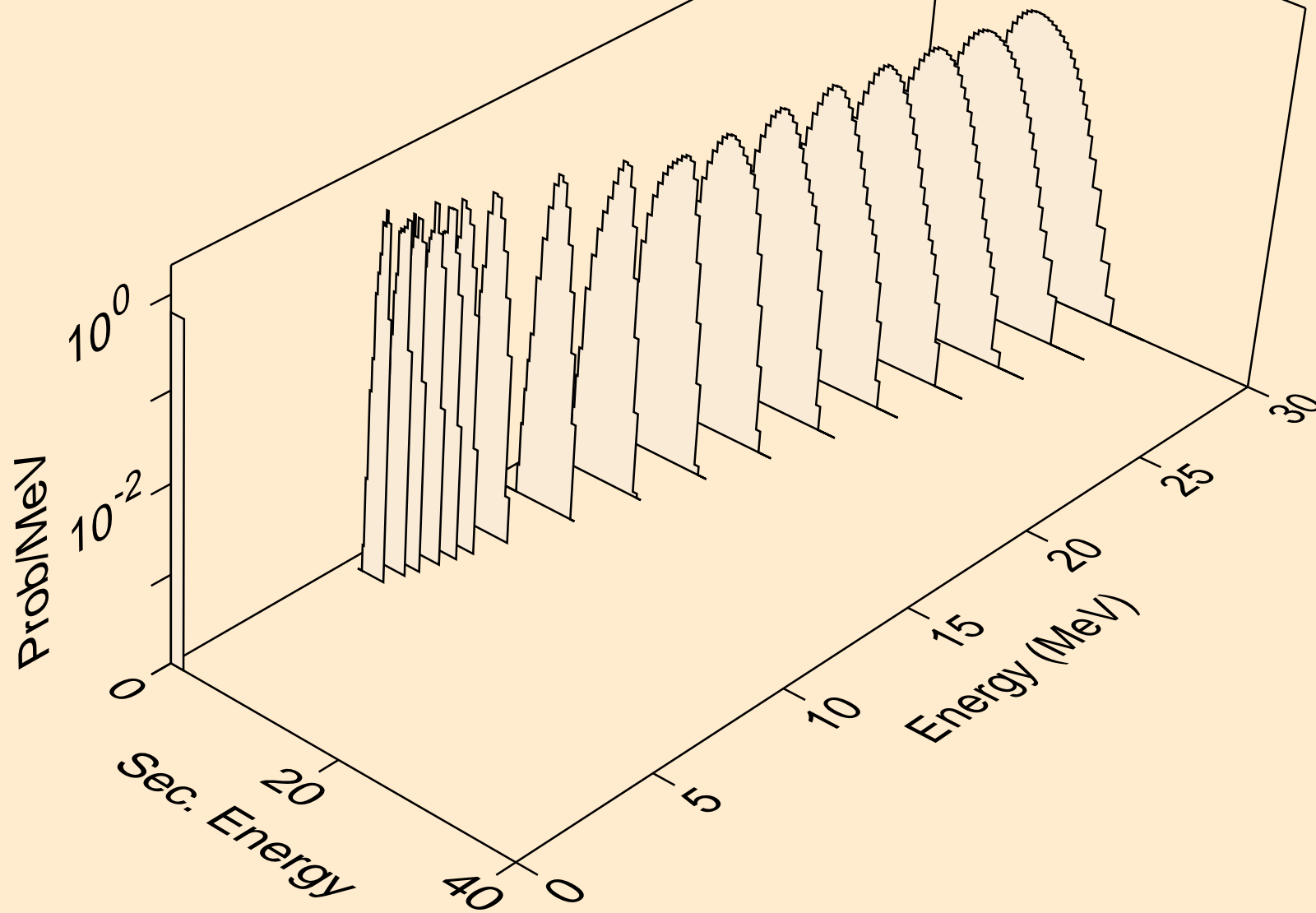
HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,d)



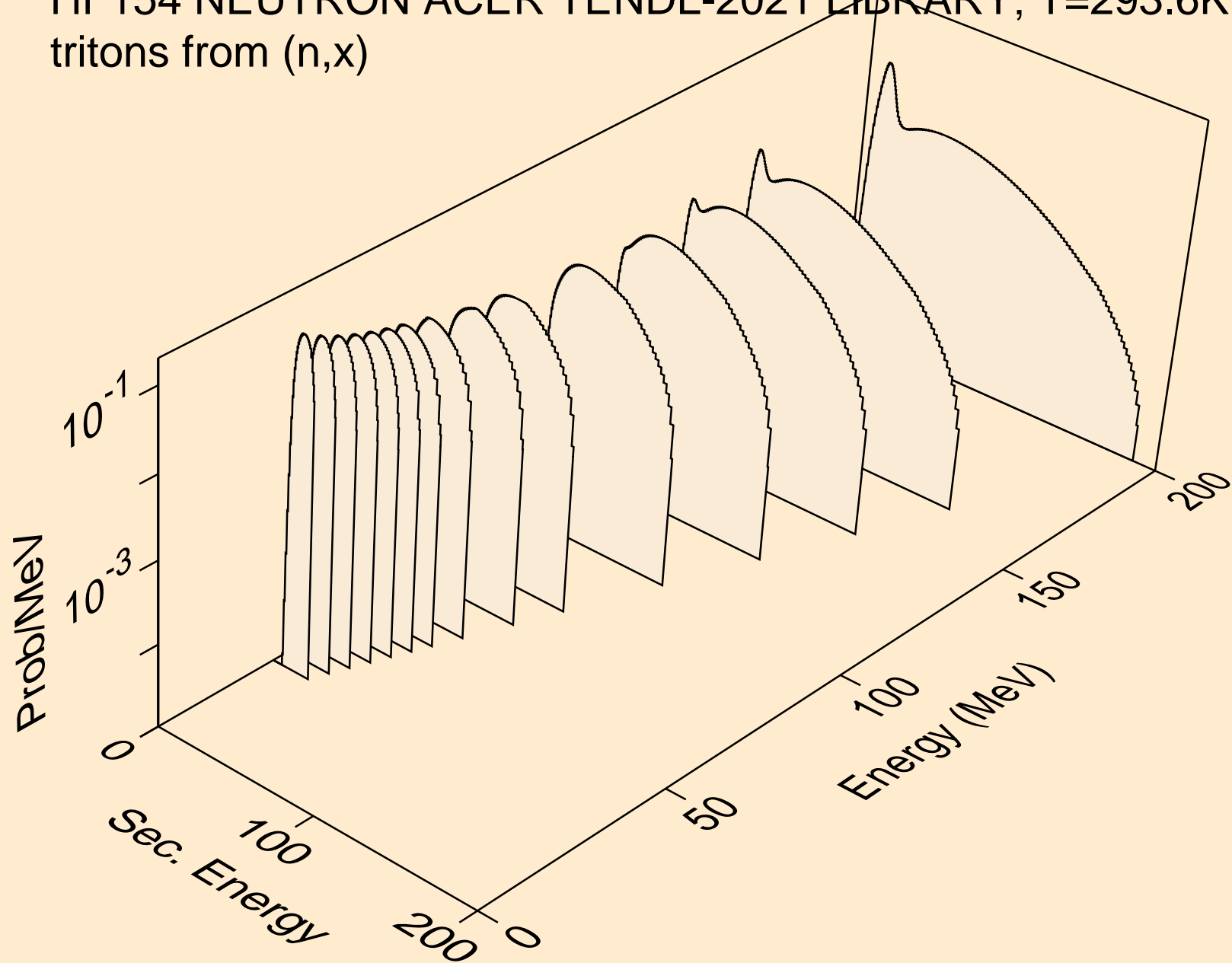
HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,pd)



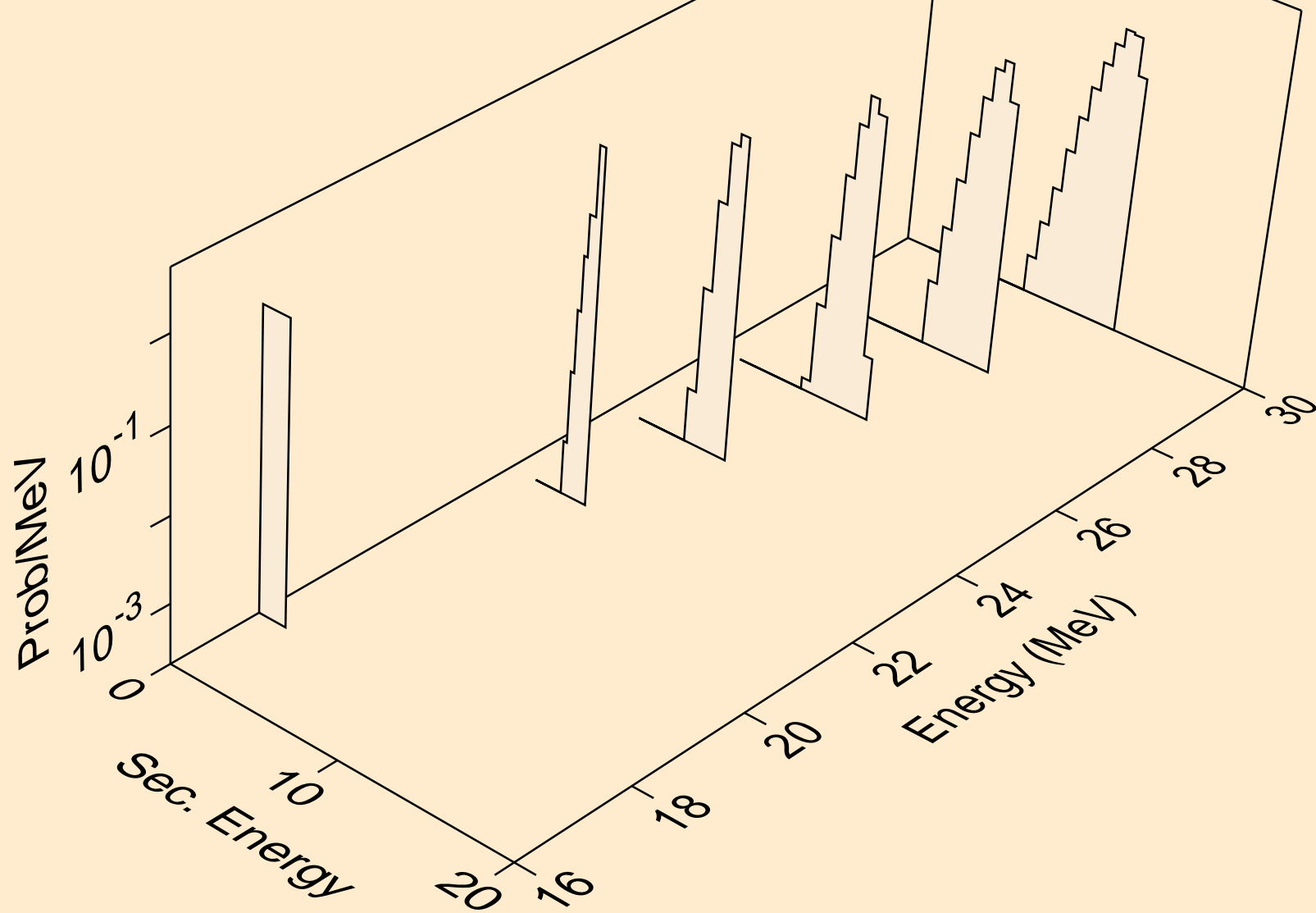
HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,da)



HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,x)

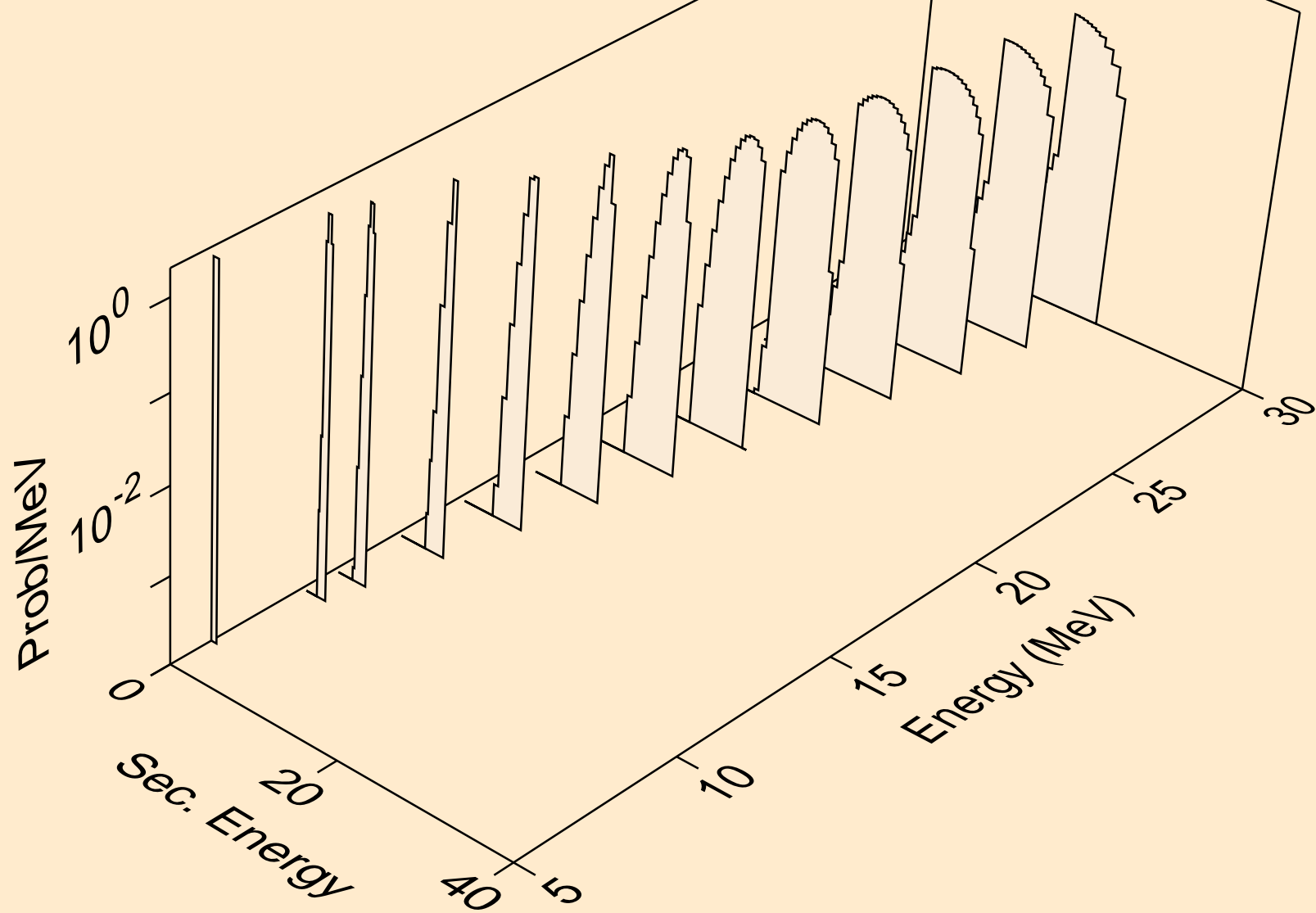


HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,n\*)t

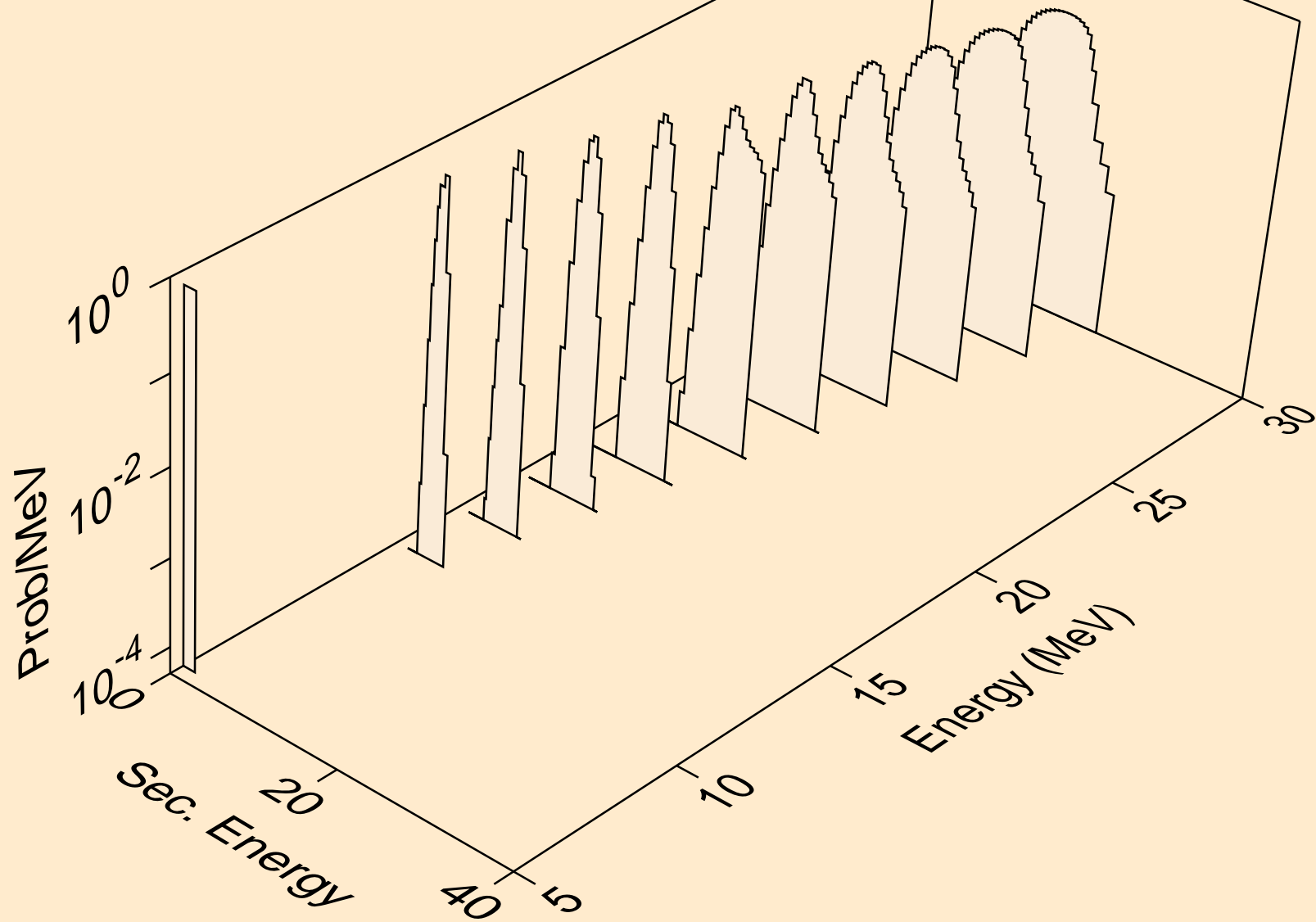




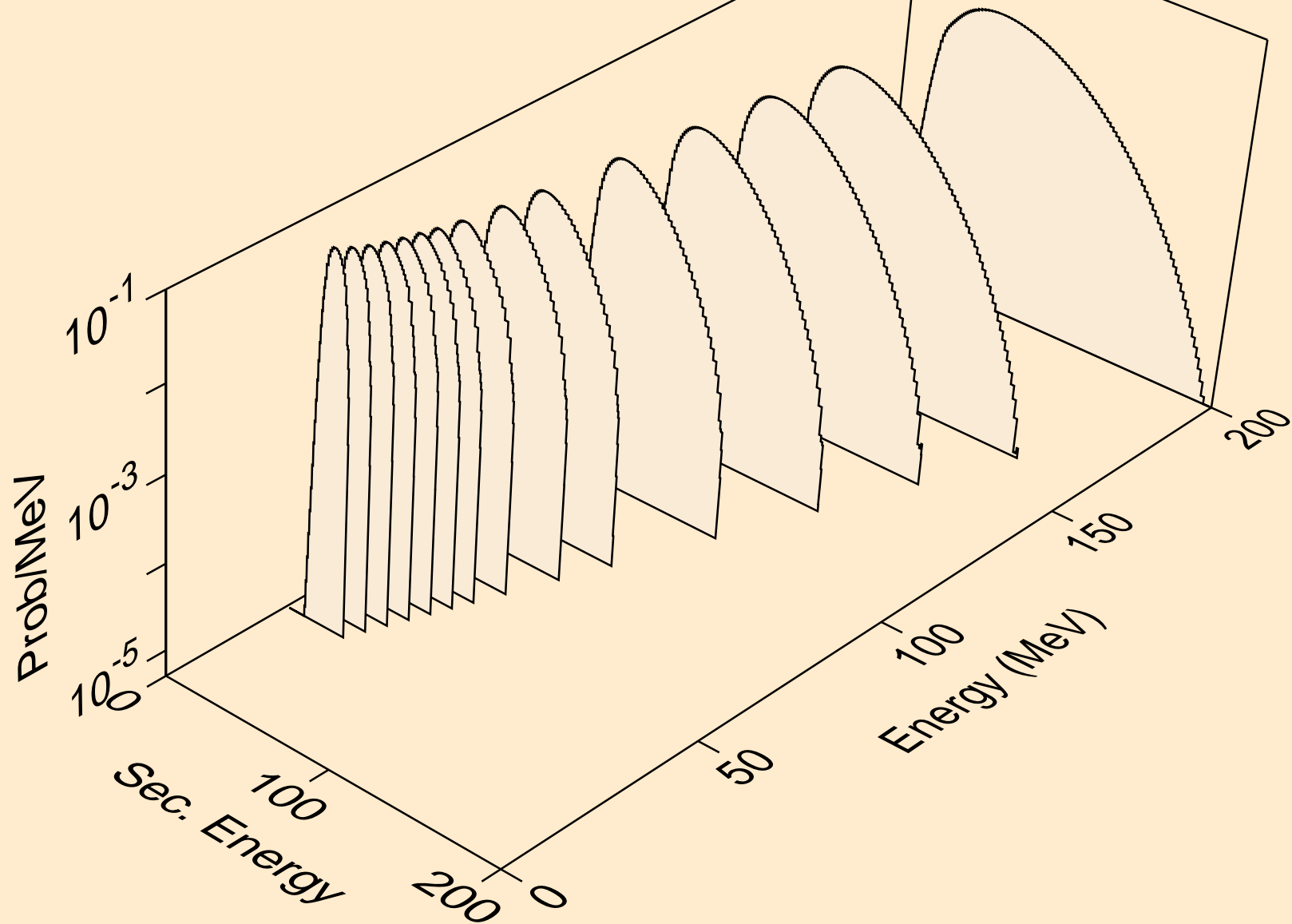
HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,t)



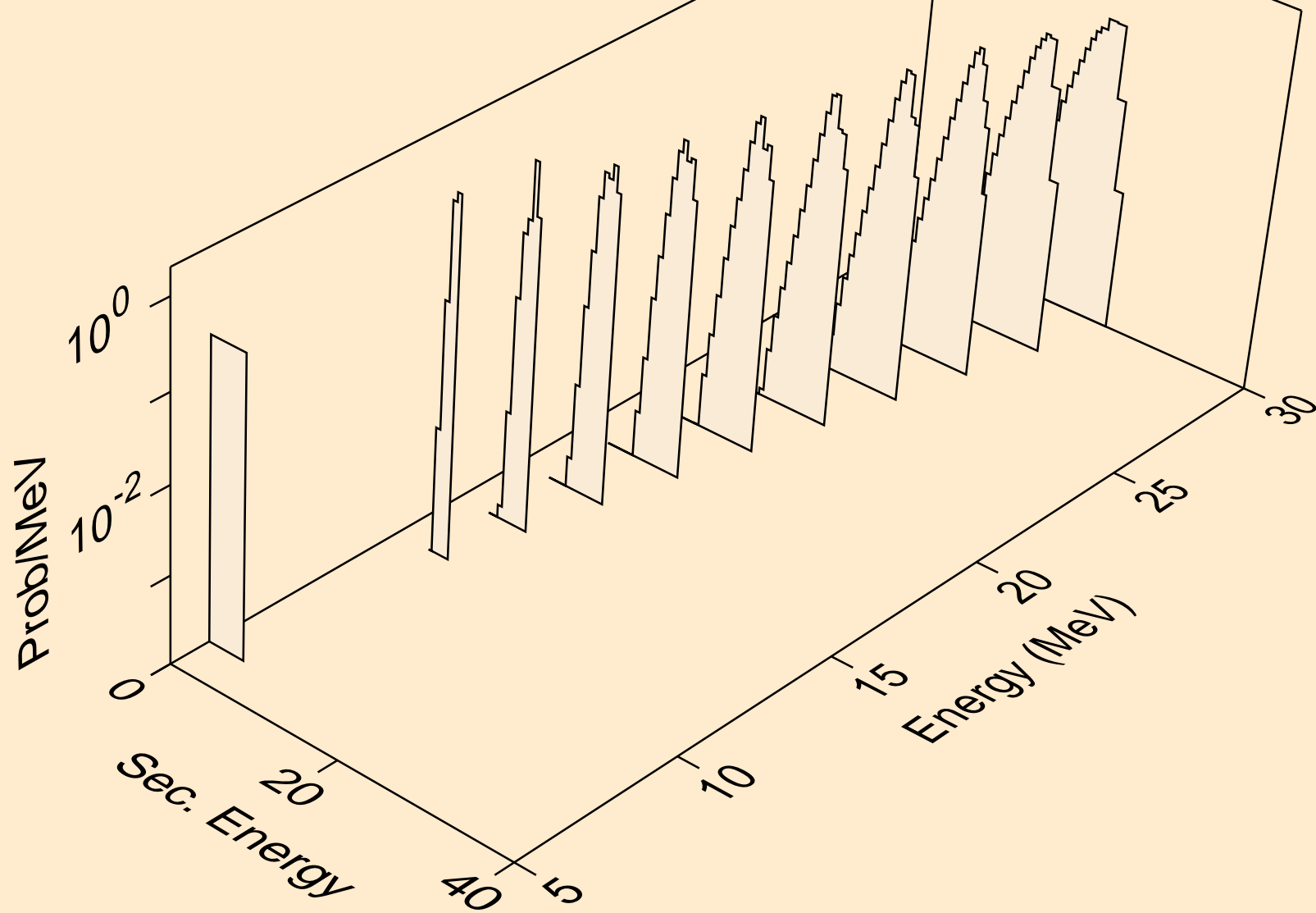
HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,pt)



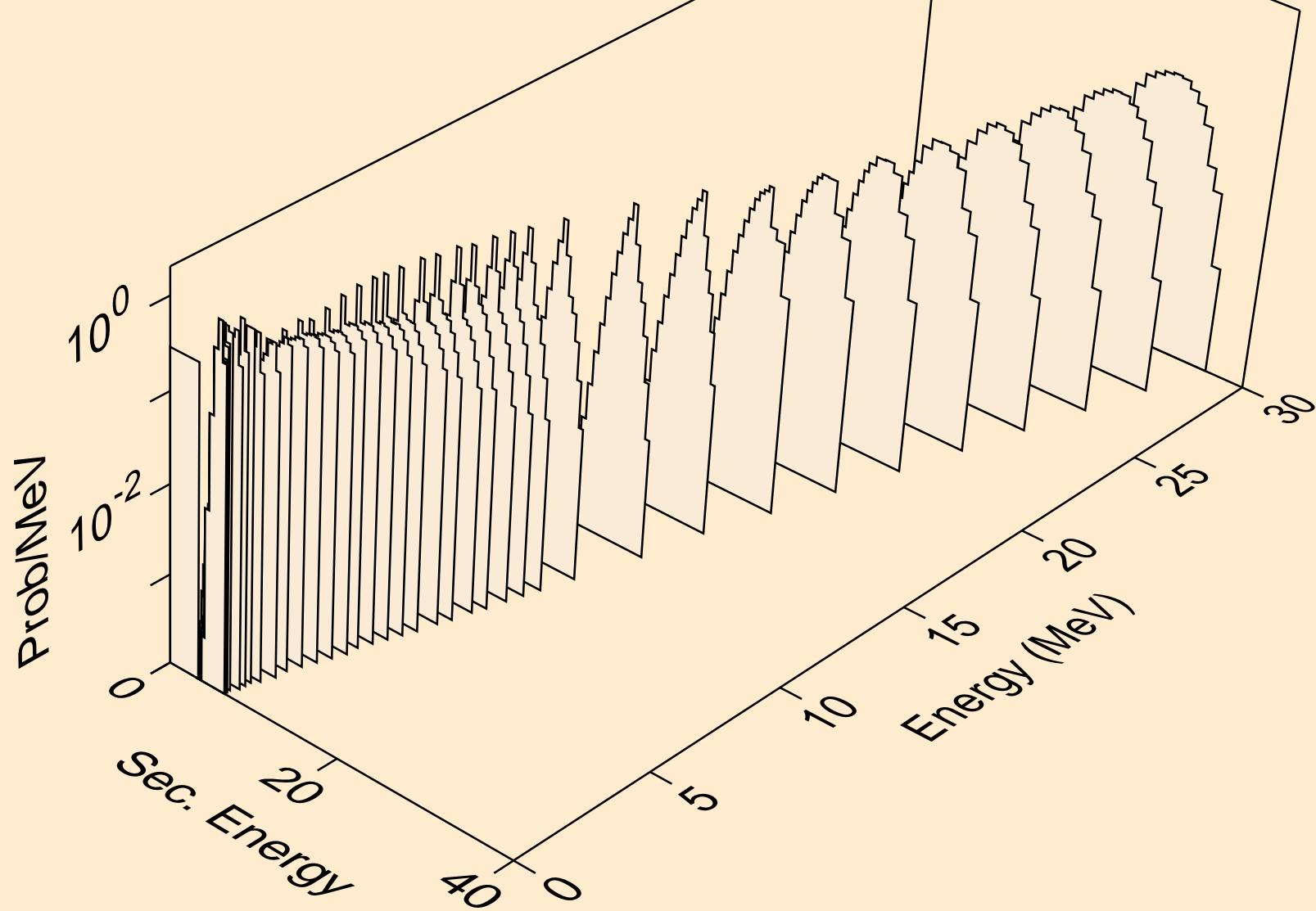
HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
he3s from (n,x)



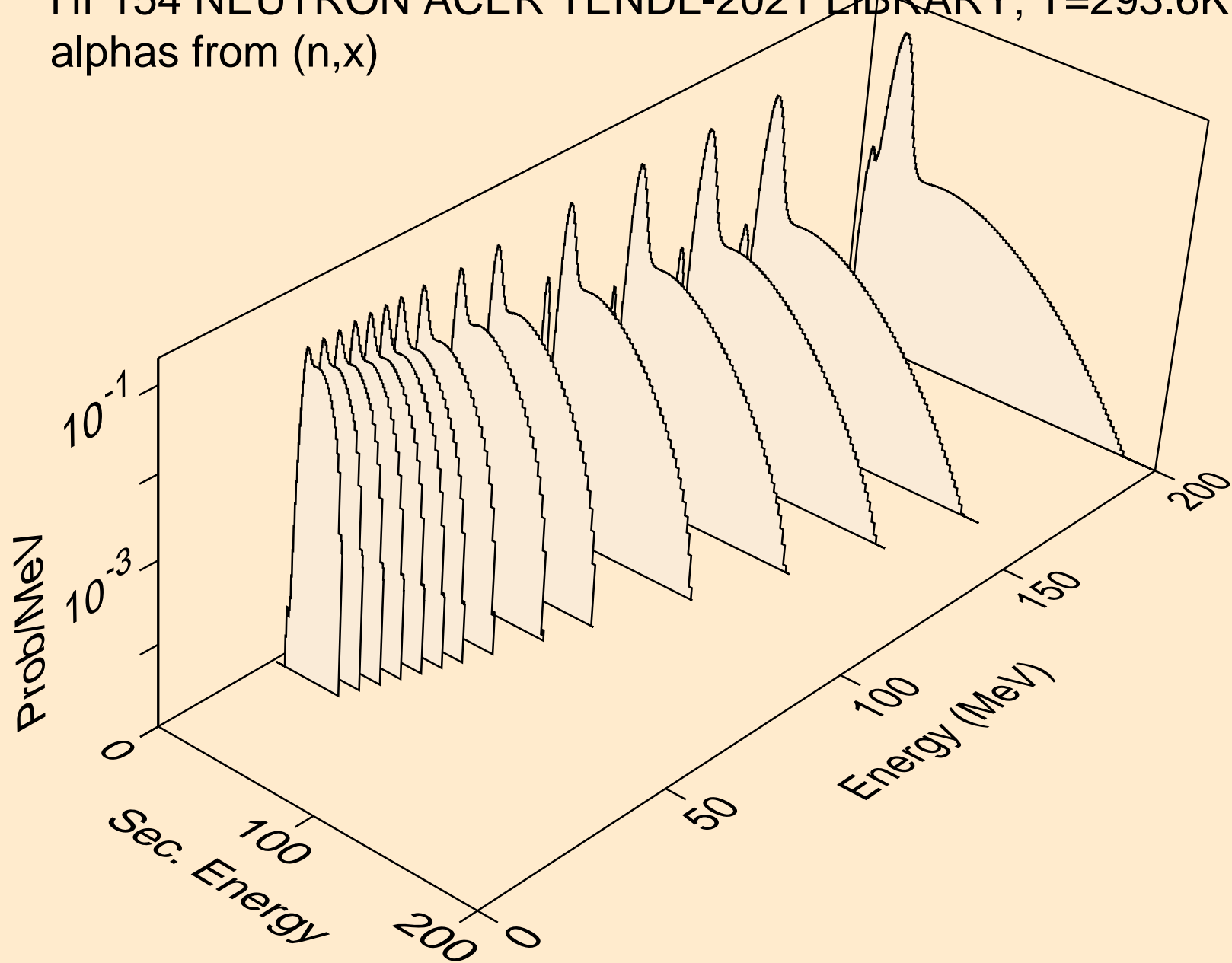
HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
he3s from (n,n\*)he3



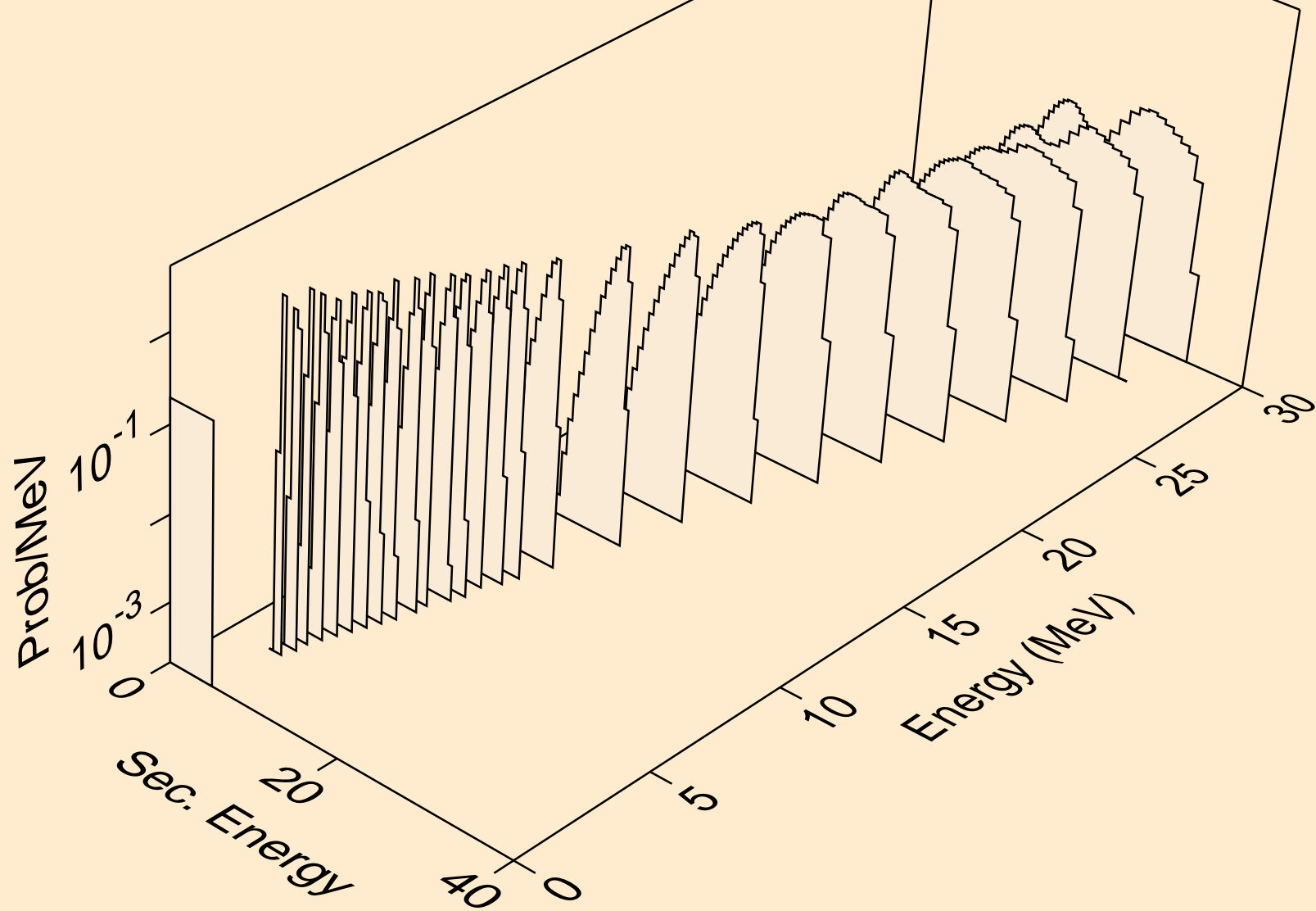
HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
he3s from (n,he3)



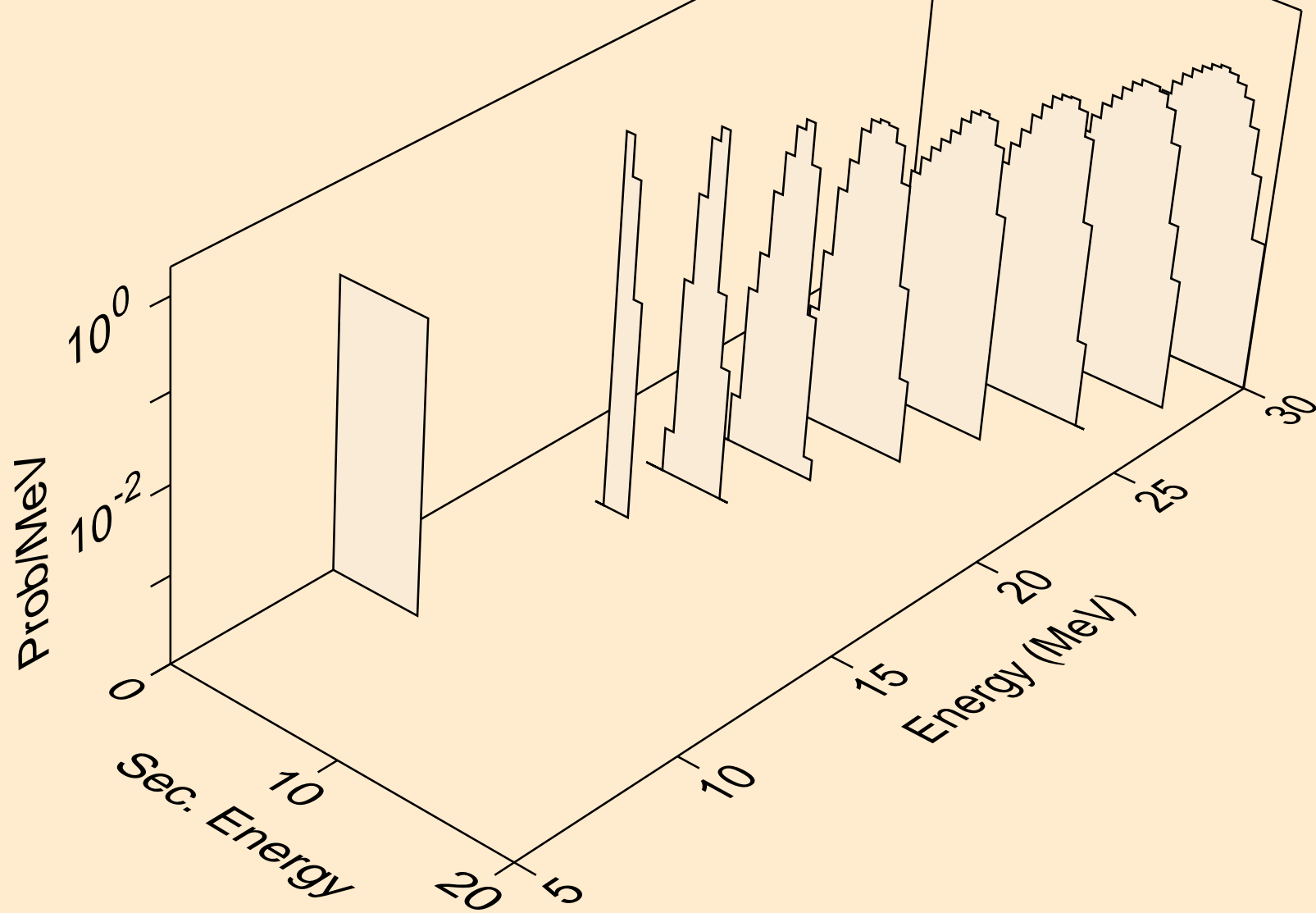
HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,x)



HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,n\*)a

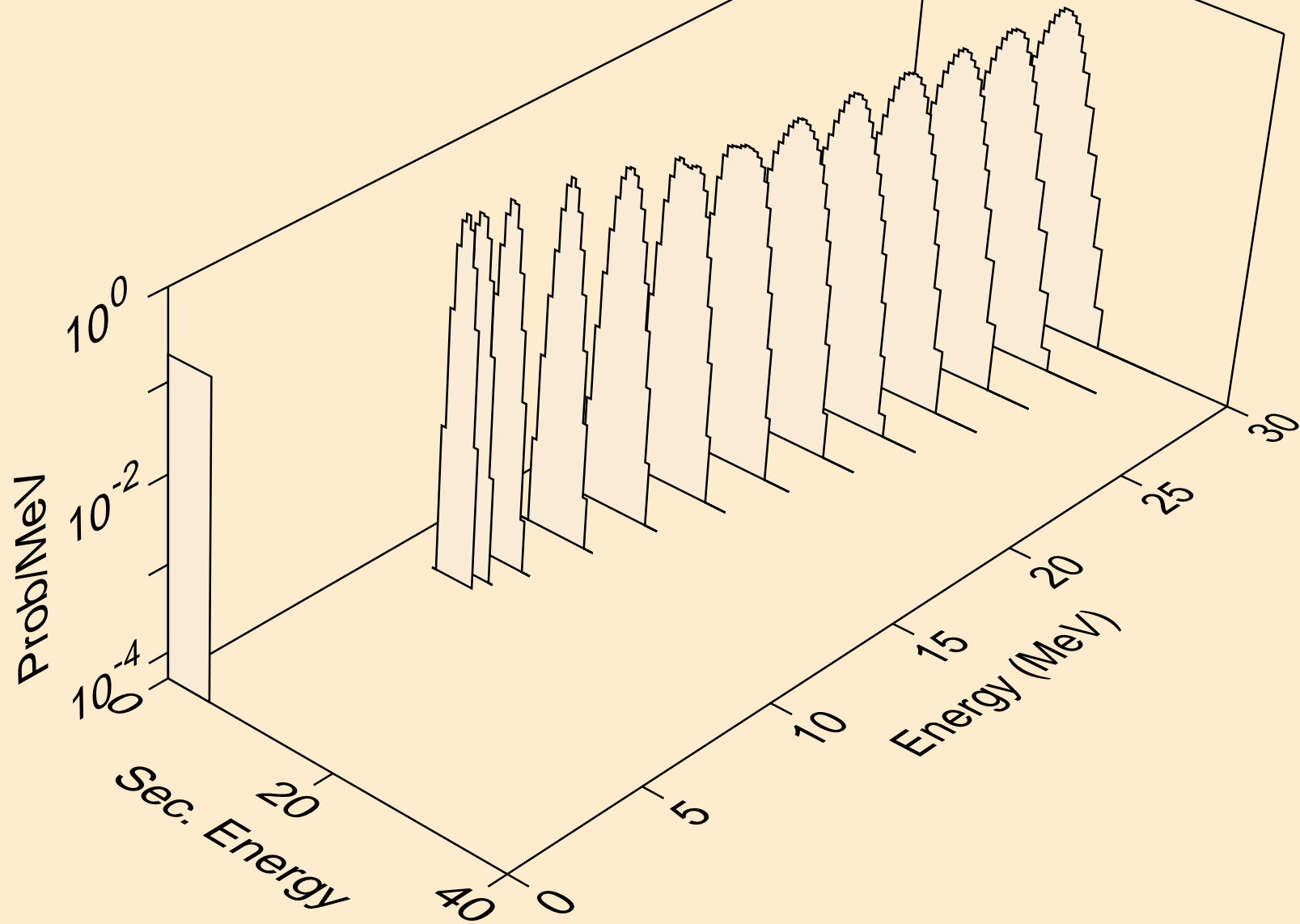


HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2n)a

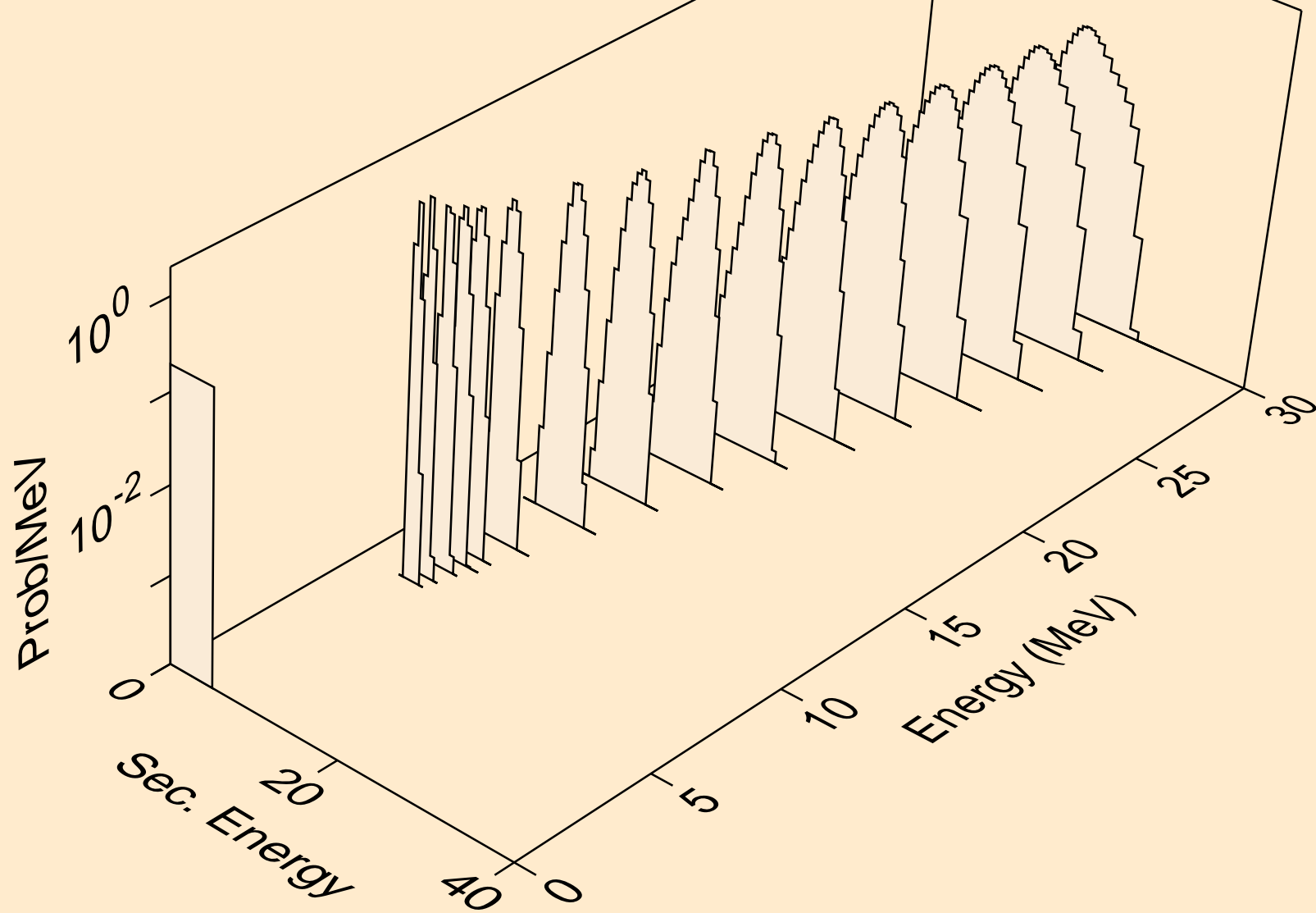




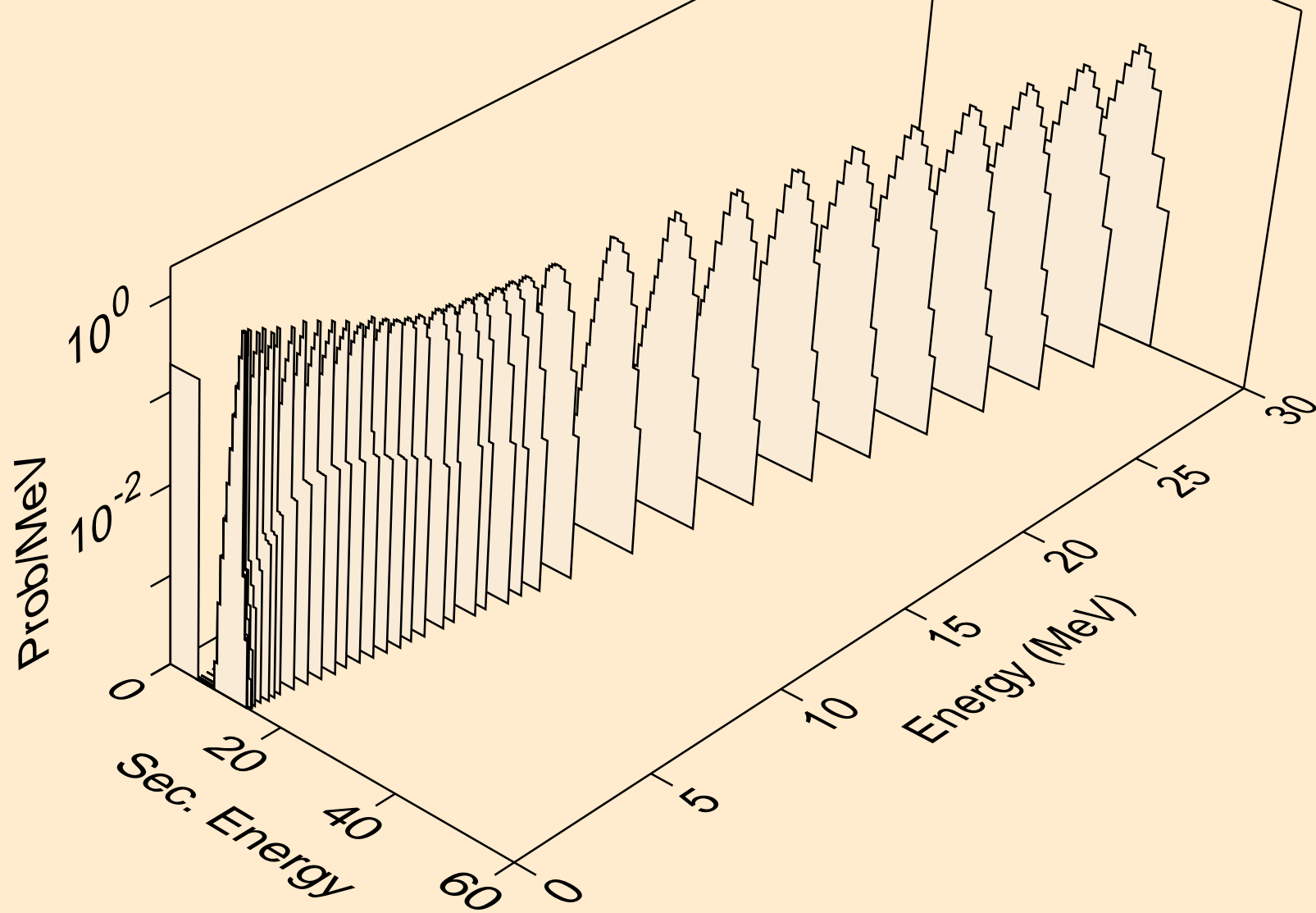
HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,n\*)2a



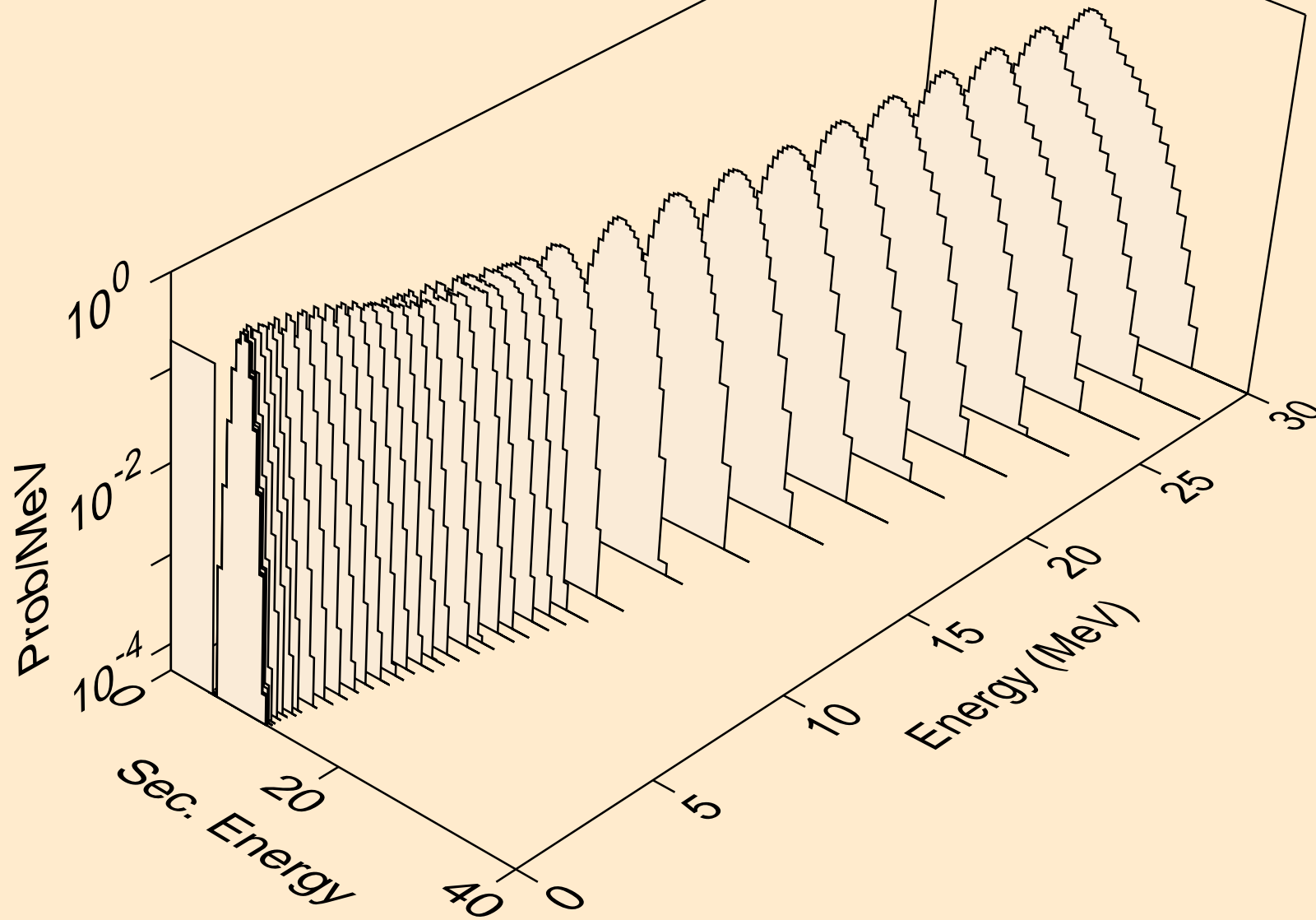
HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,npa)



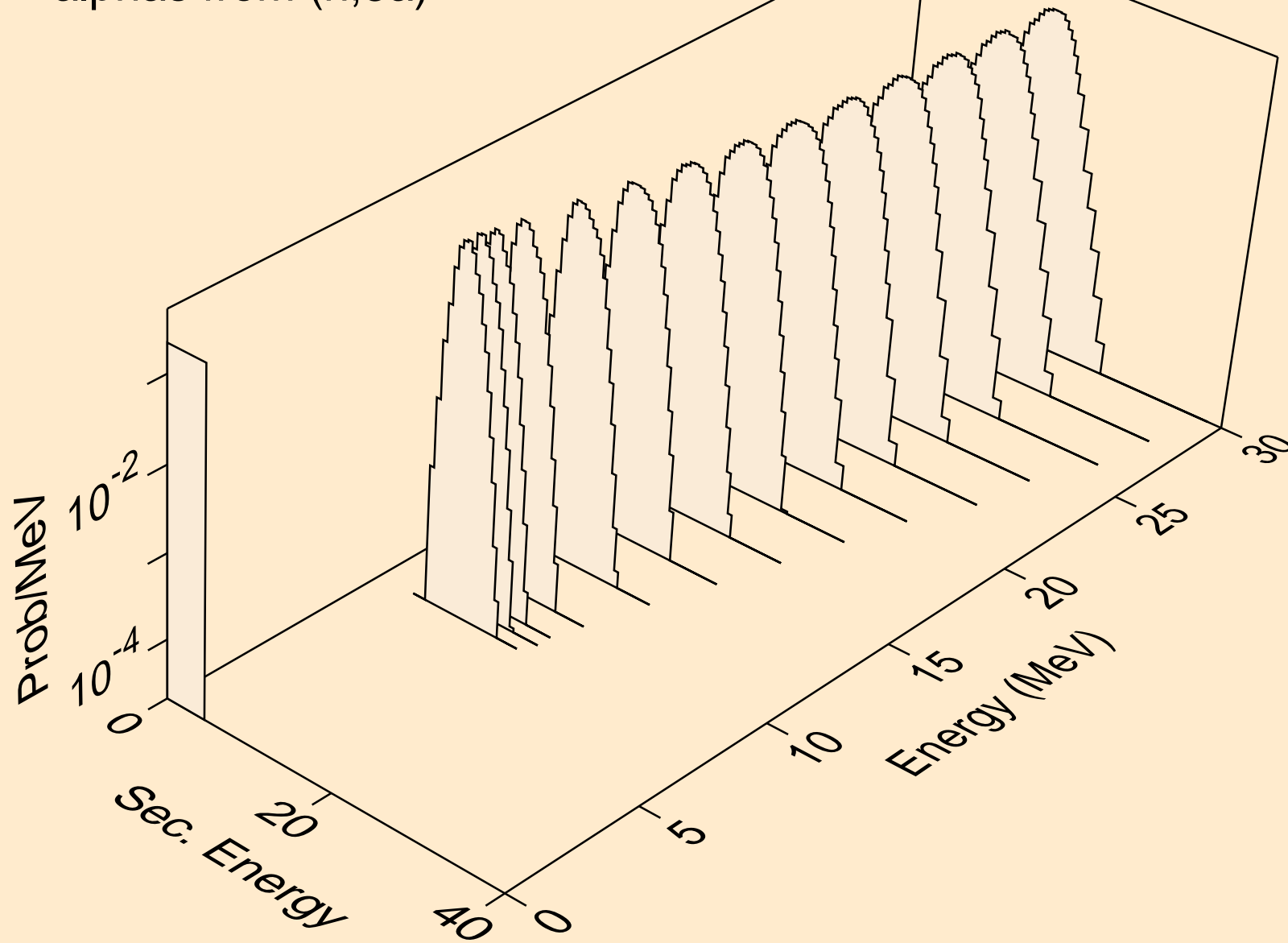
HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,a)



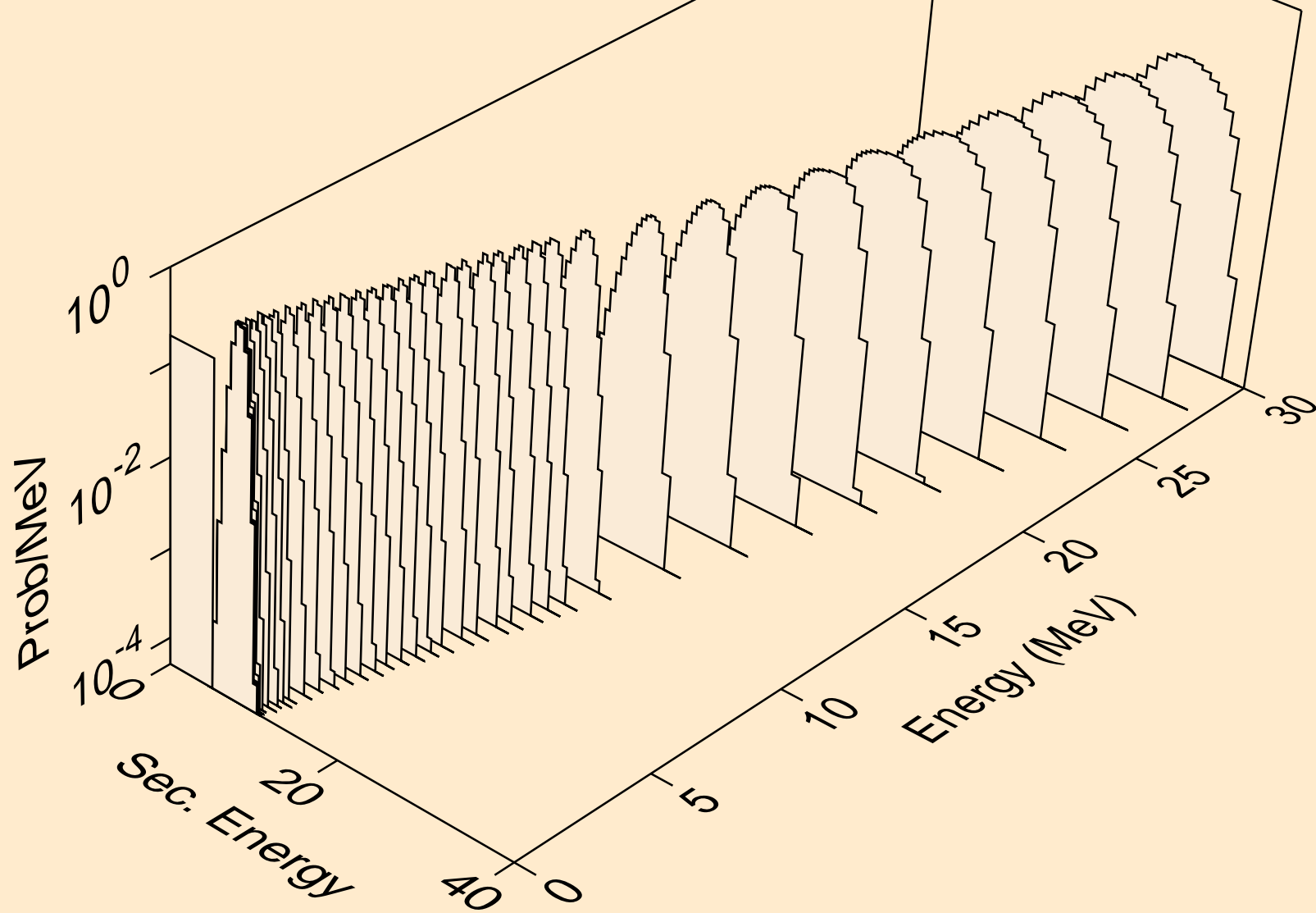
HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2a)



HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,3a)



HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,pa)



HF154 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,da)

