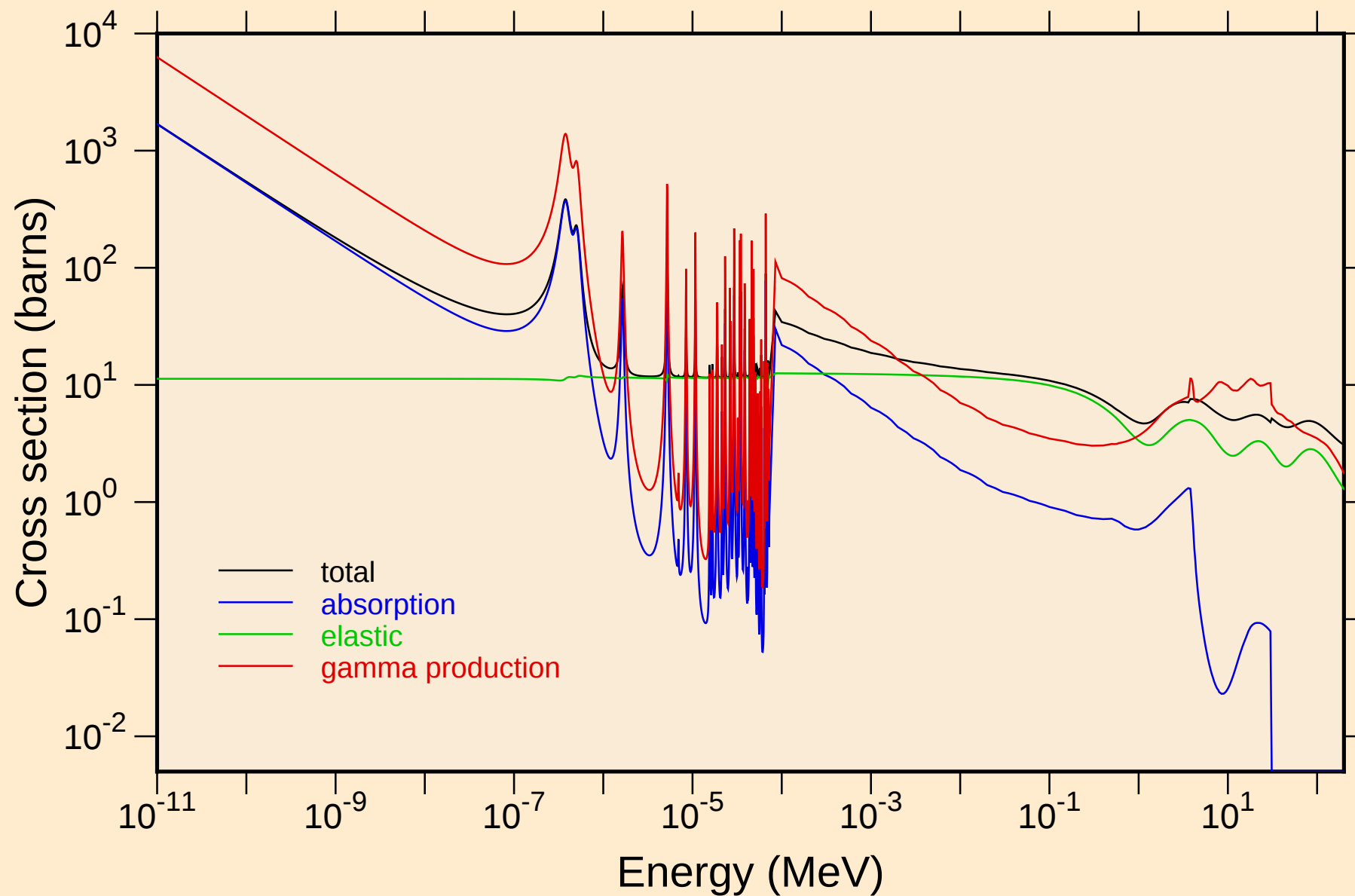
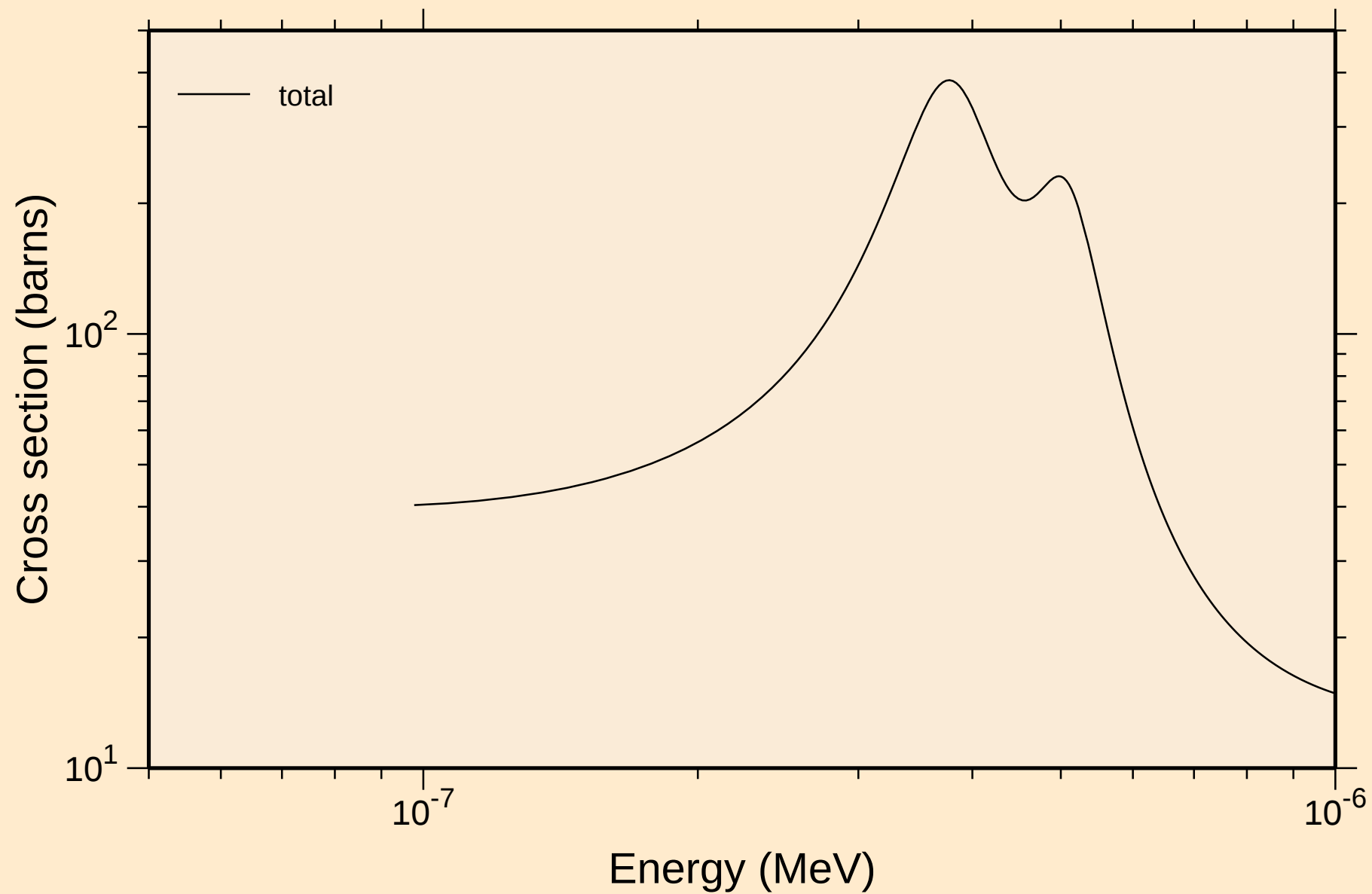


# FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

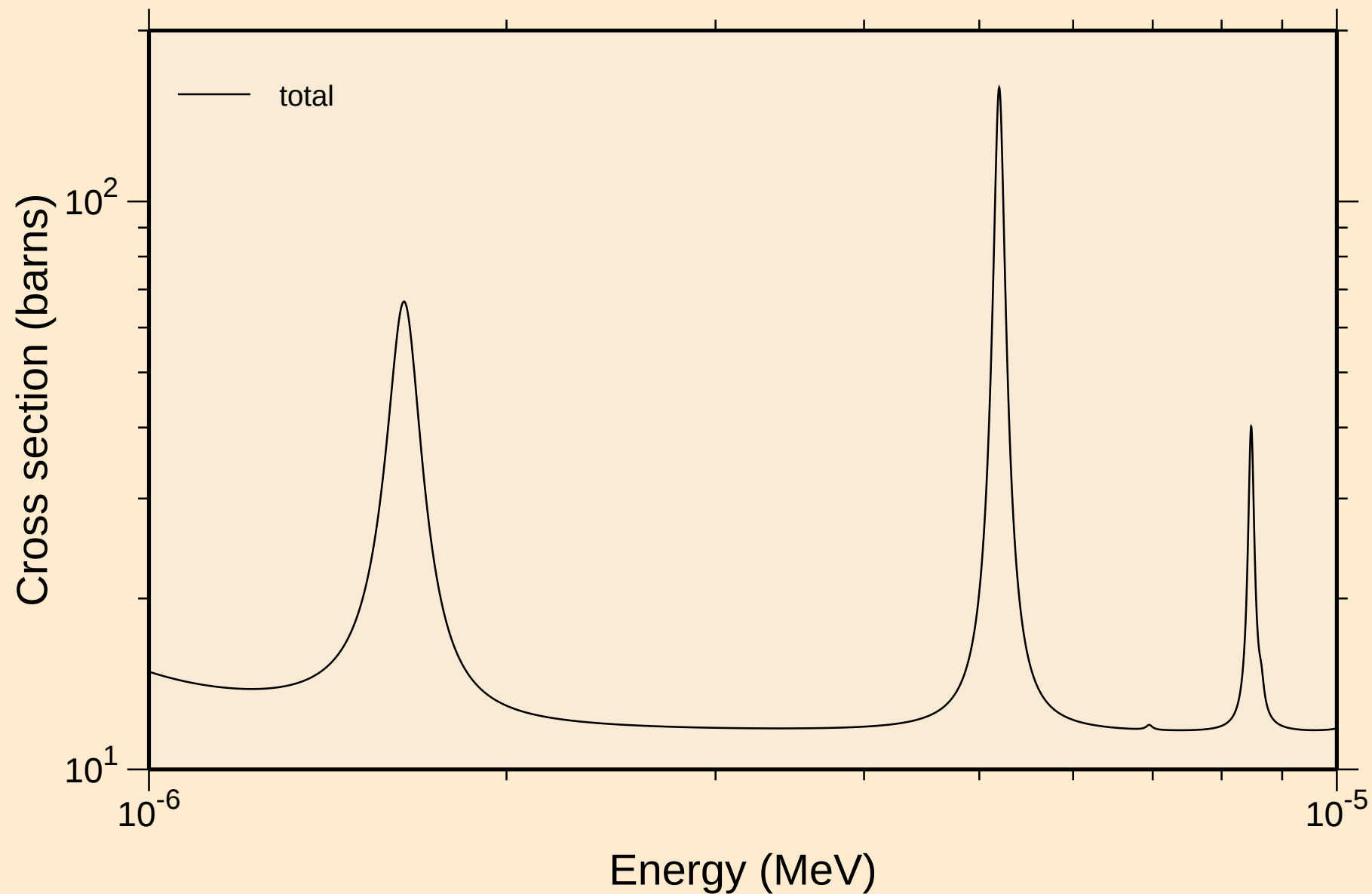
## Principal cross sections



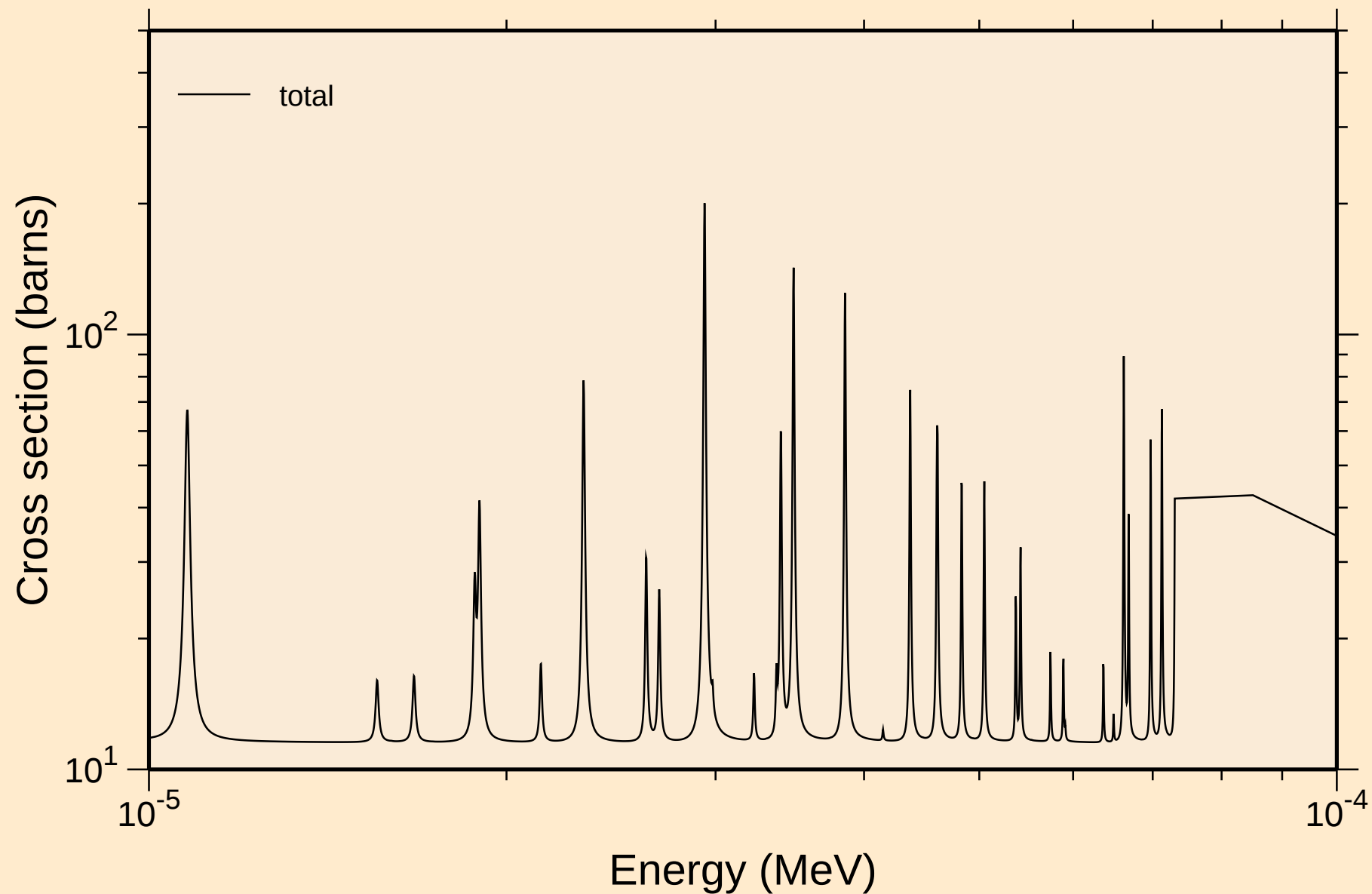
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



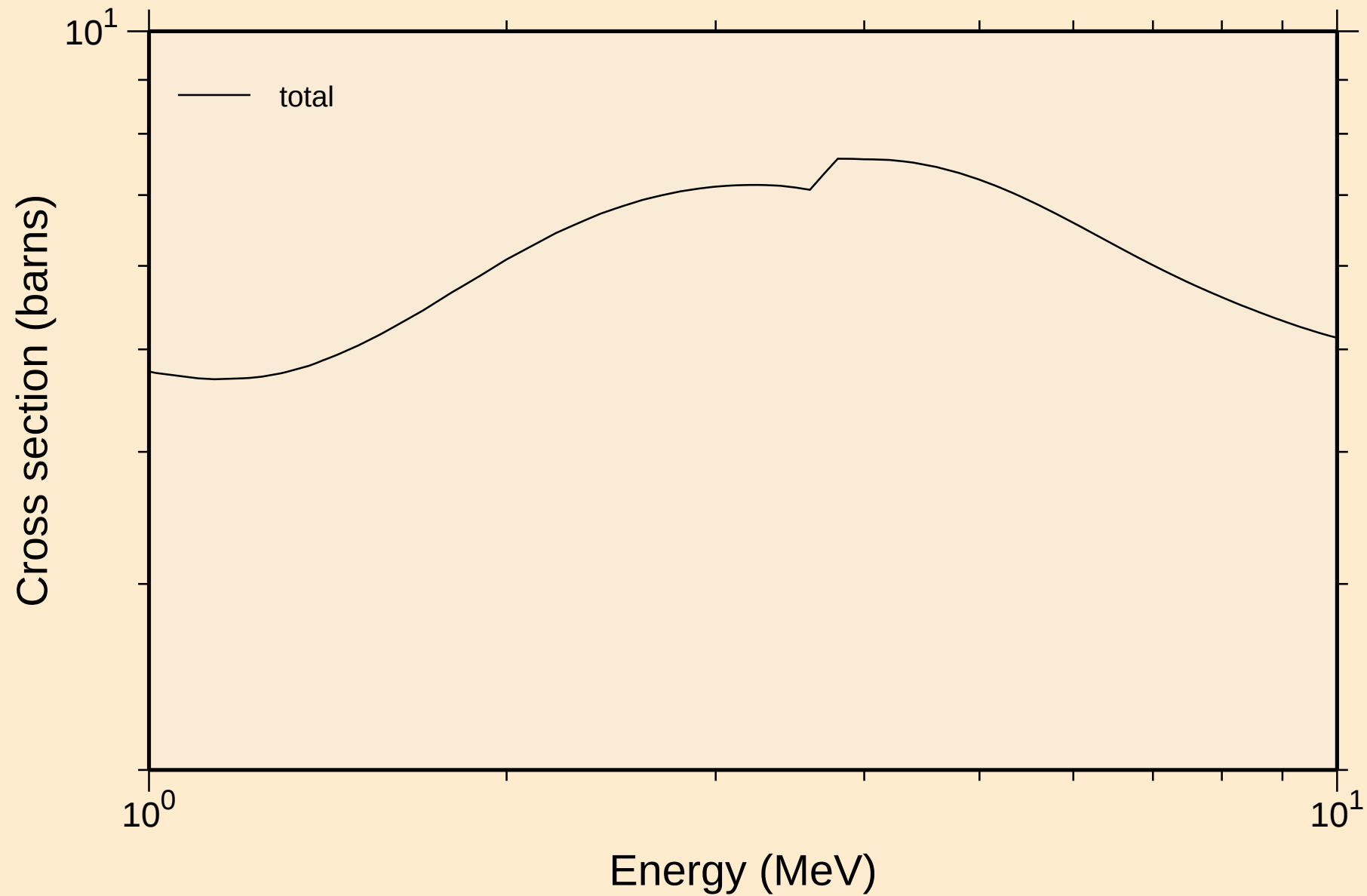
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



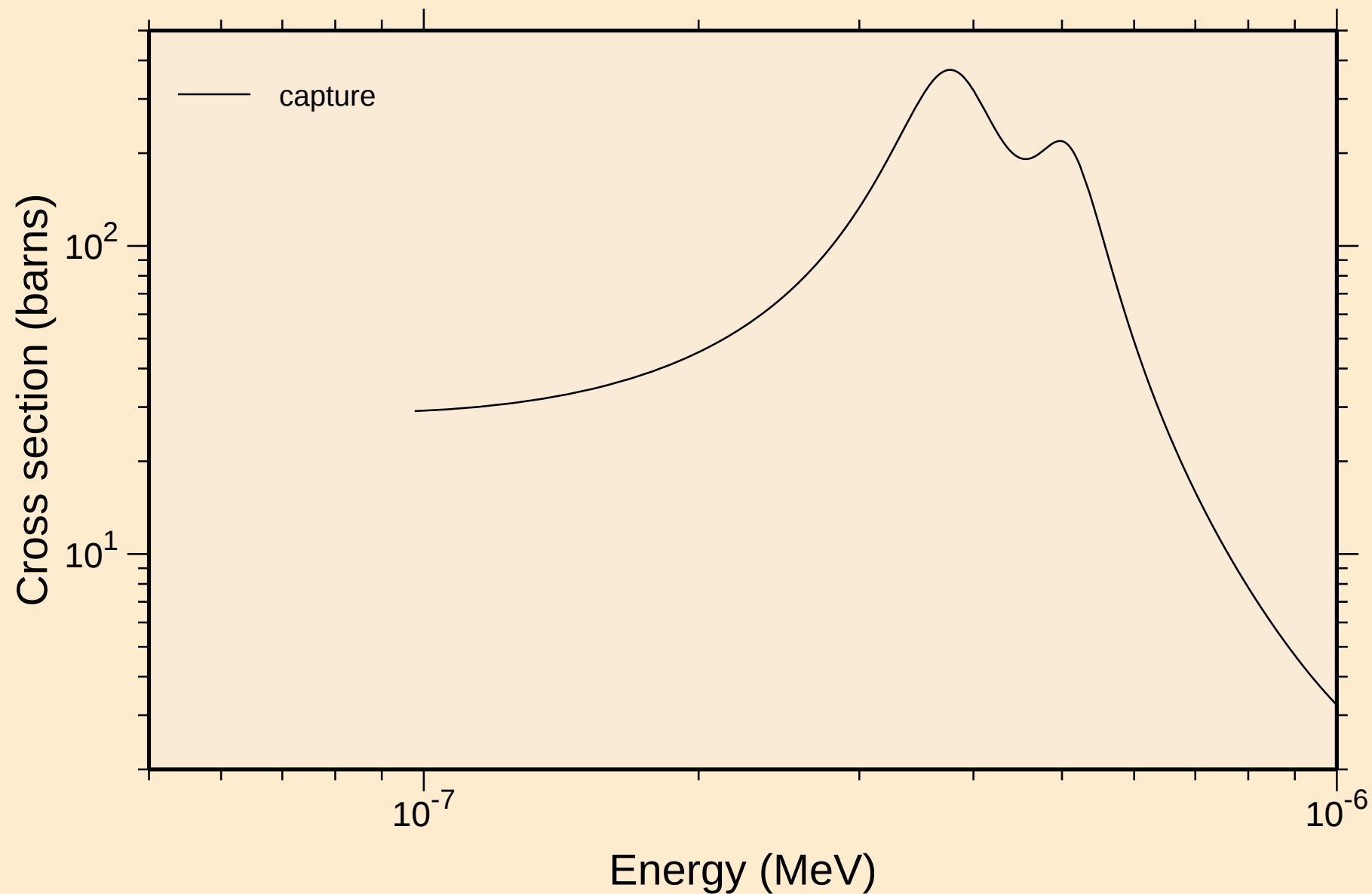
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



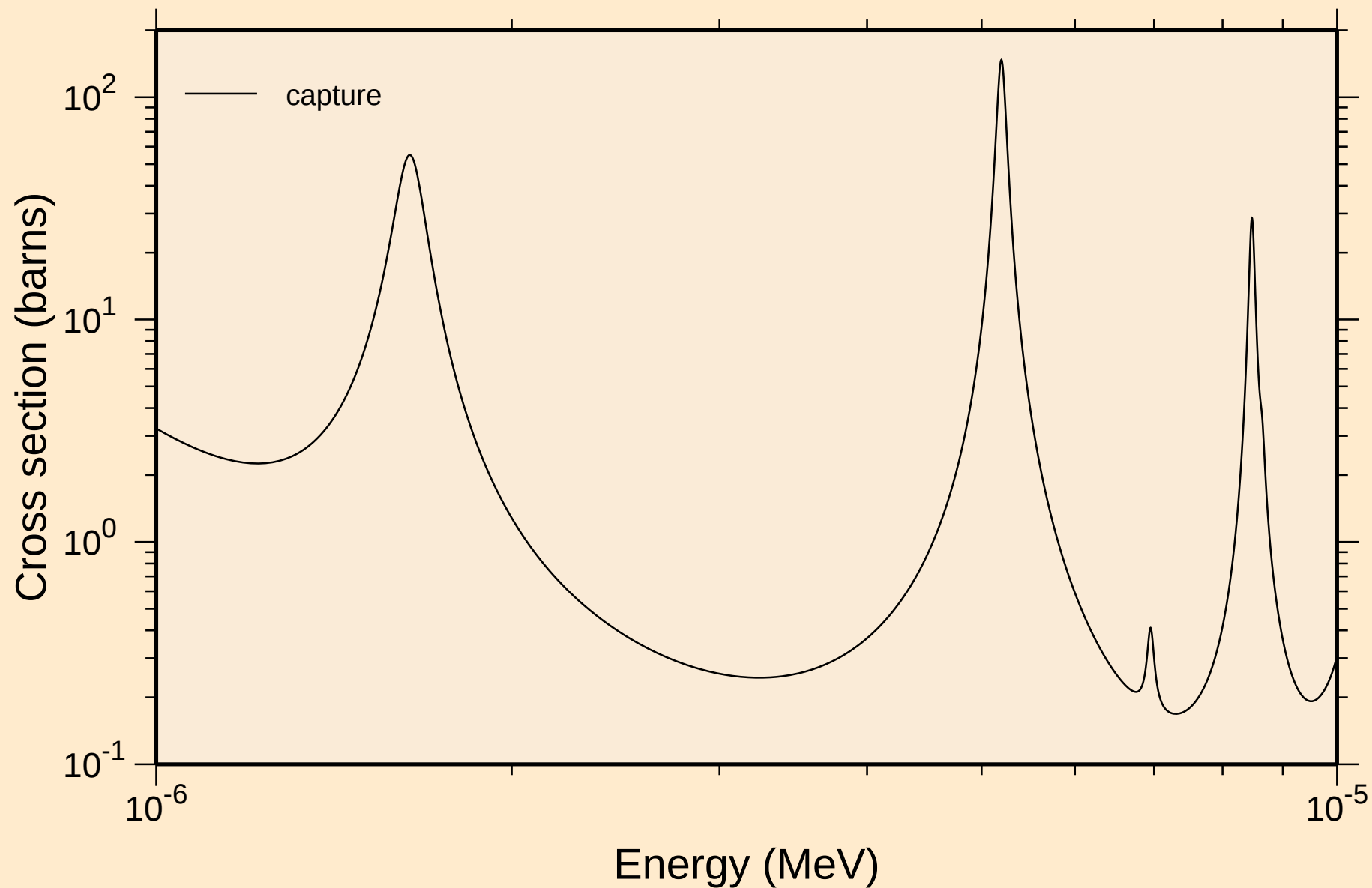
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



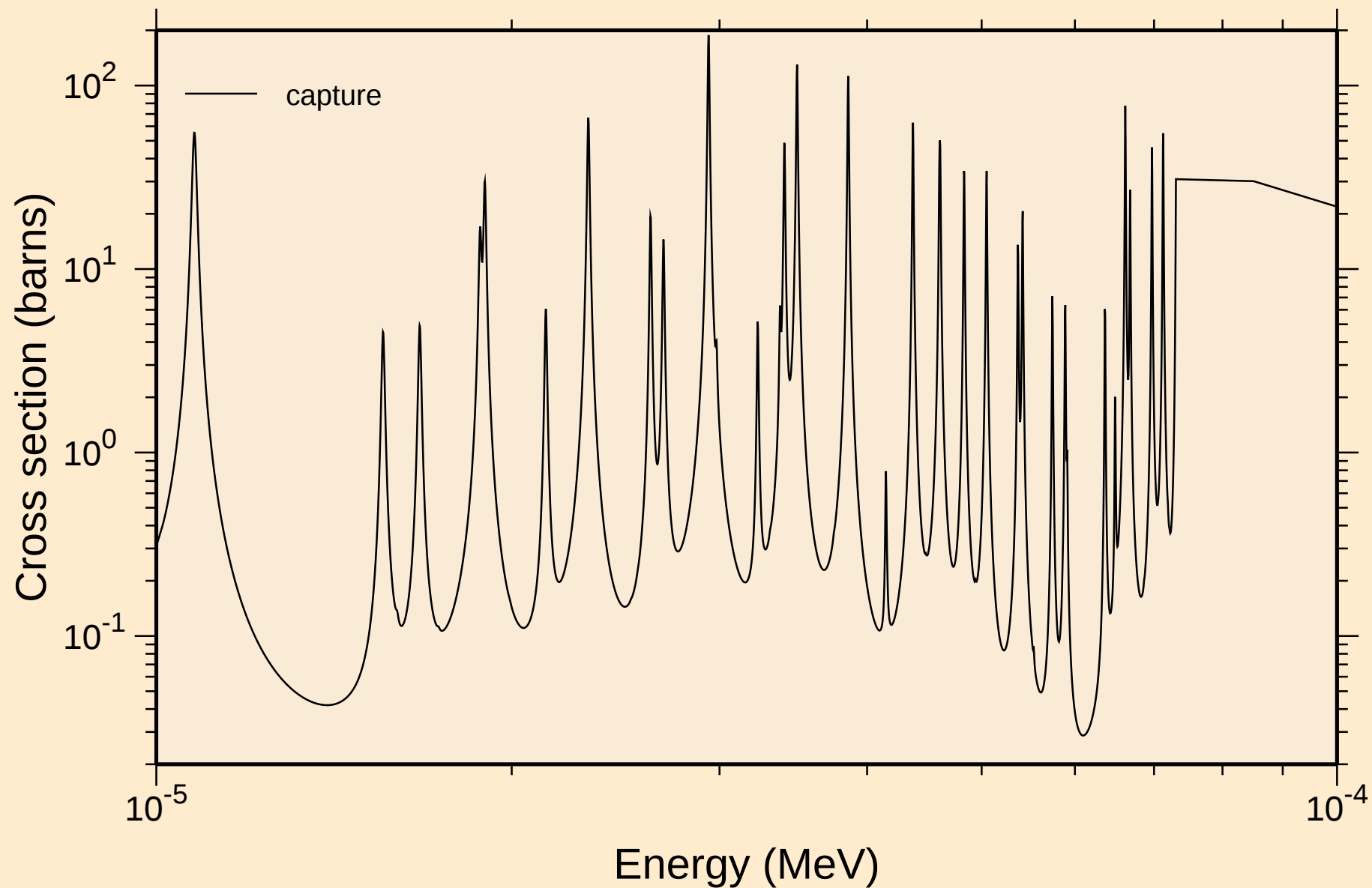
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



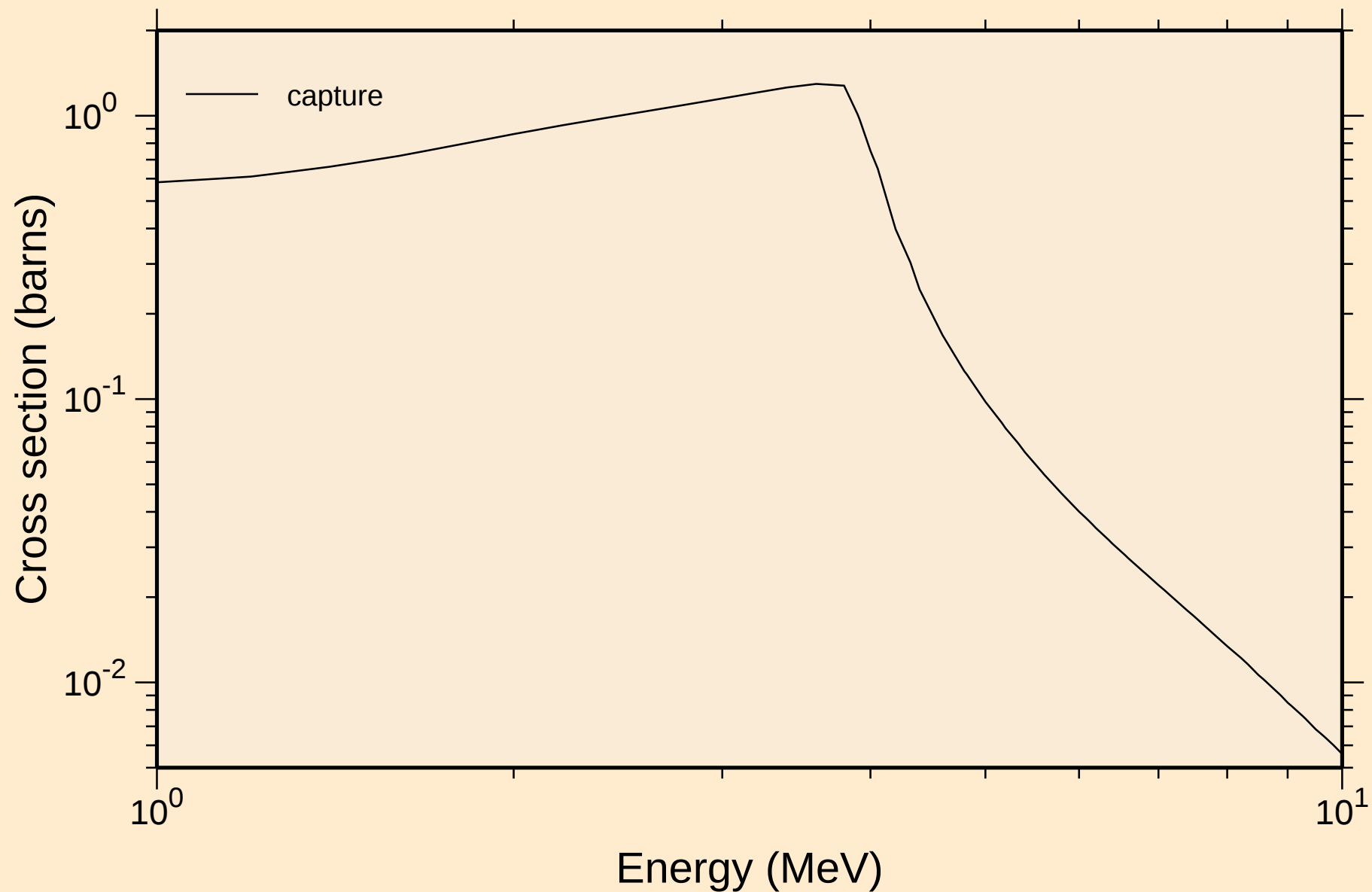
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

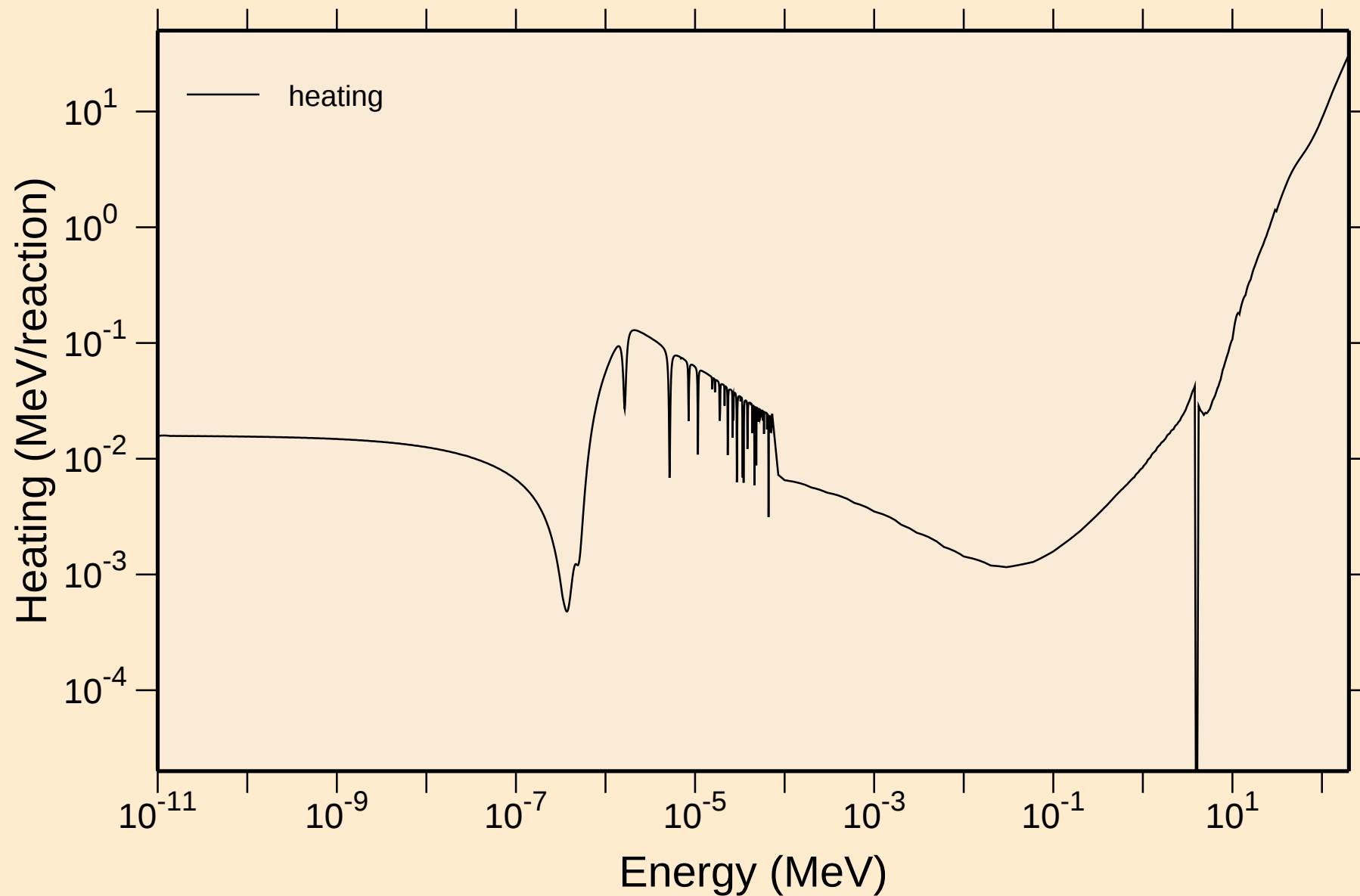


FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



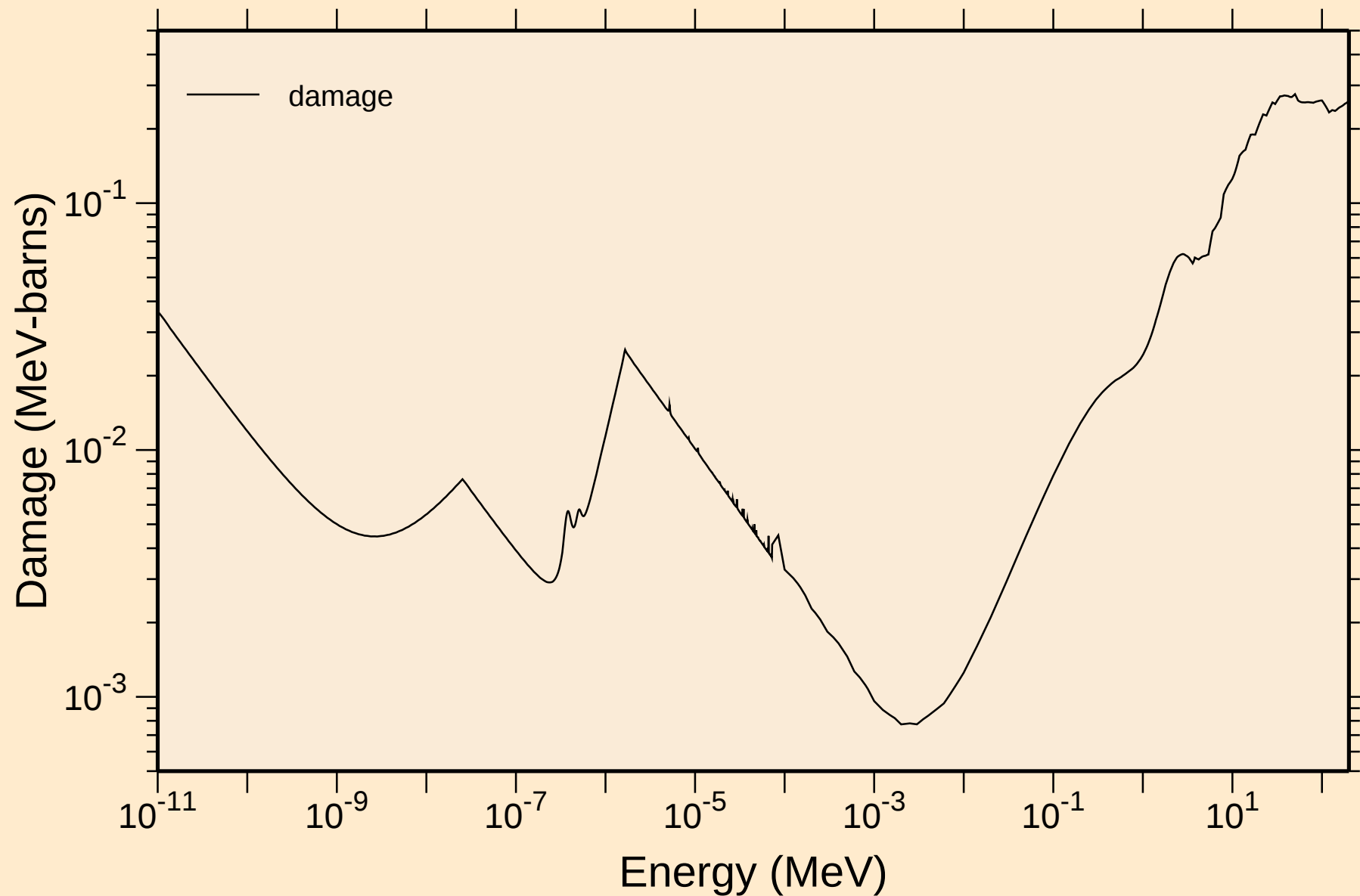
# FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Heating

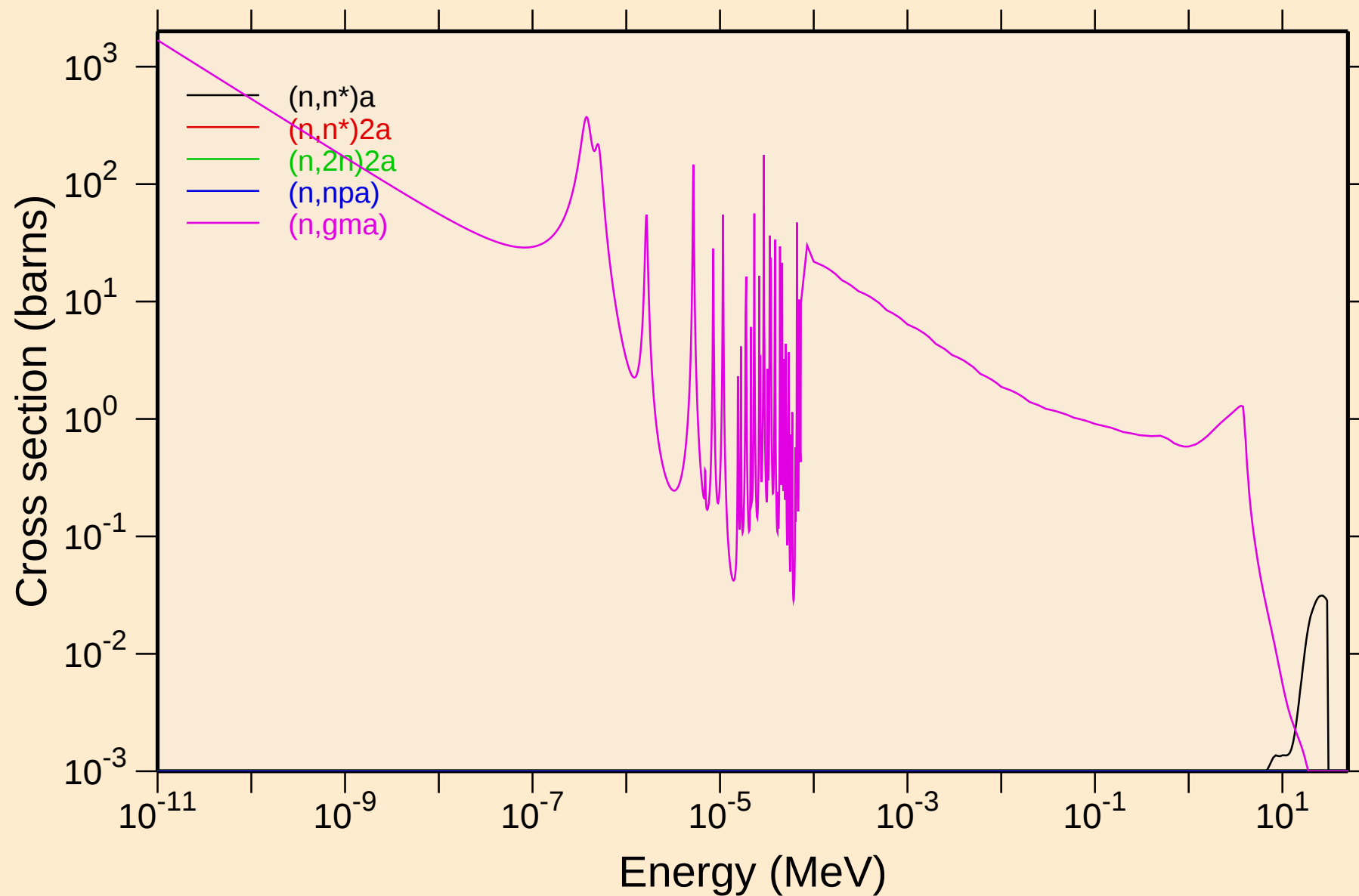


# FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

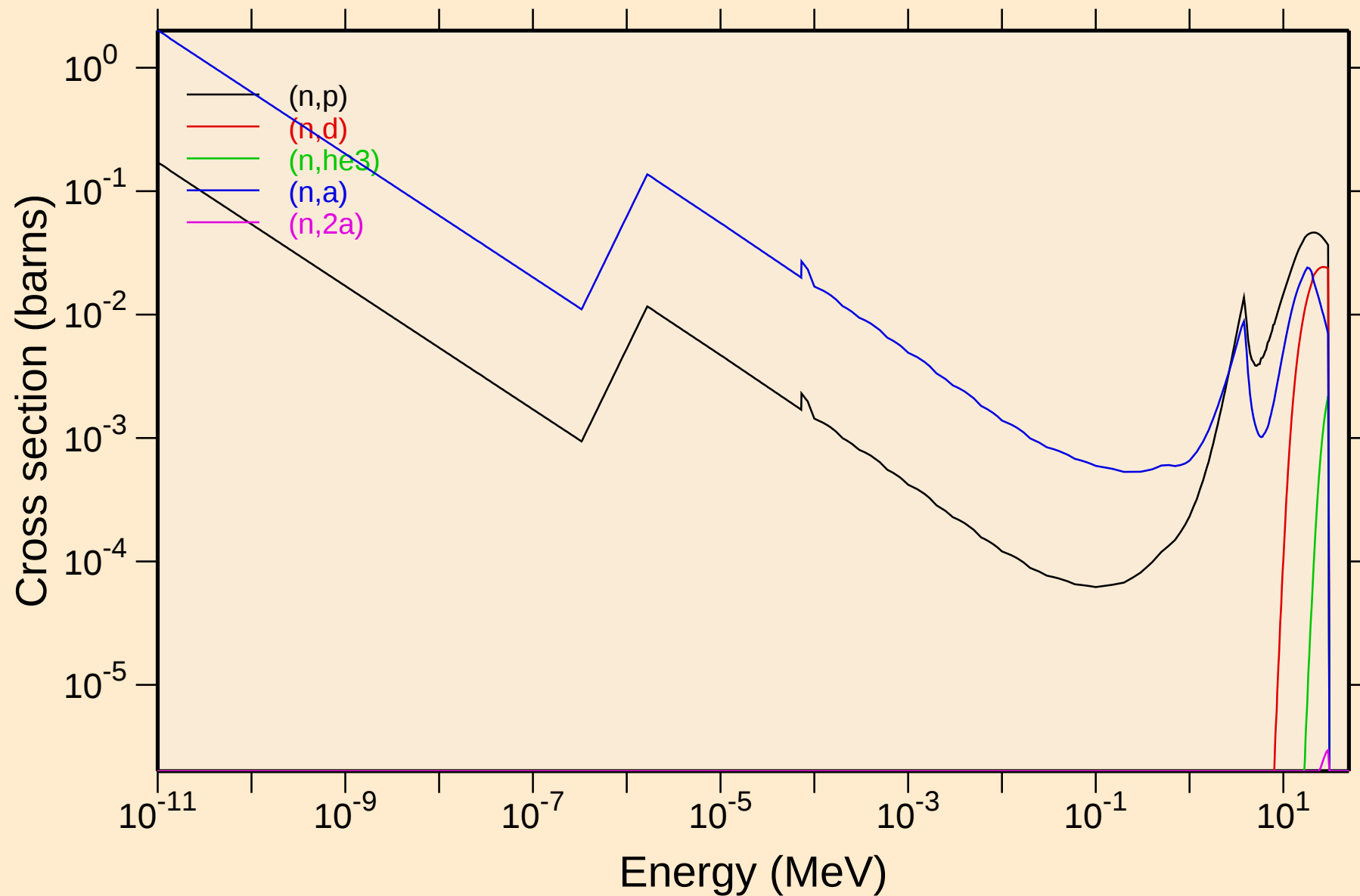
Damage



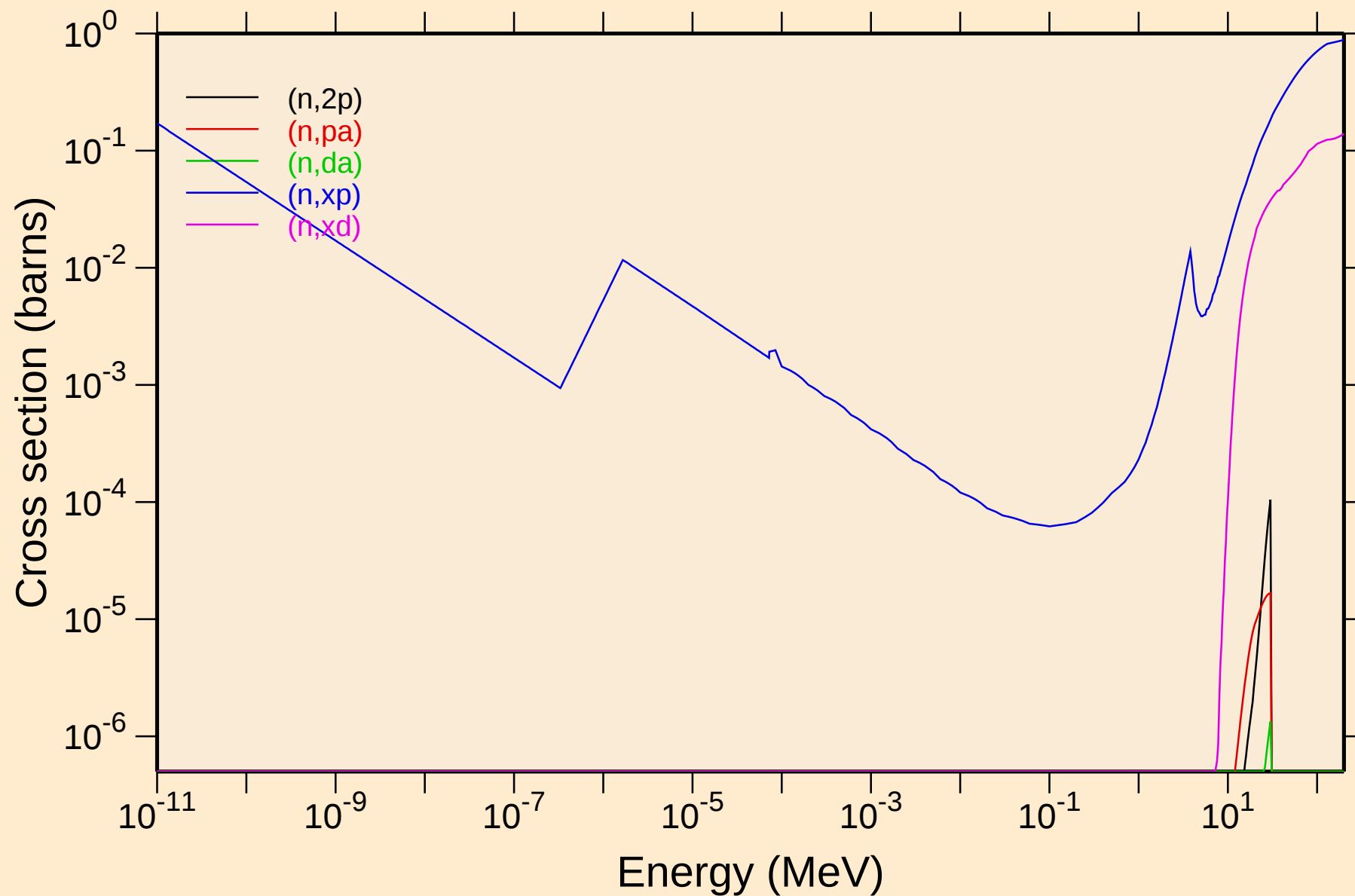
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



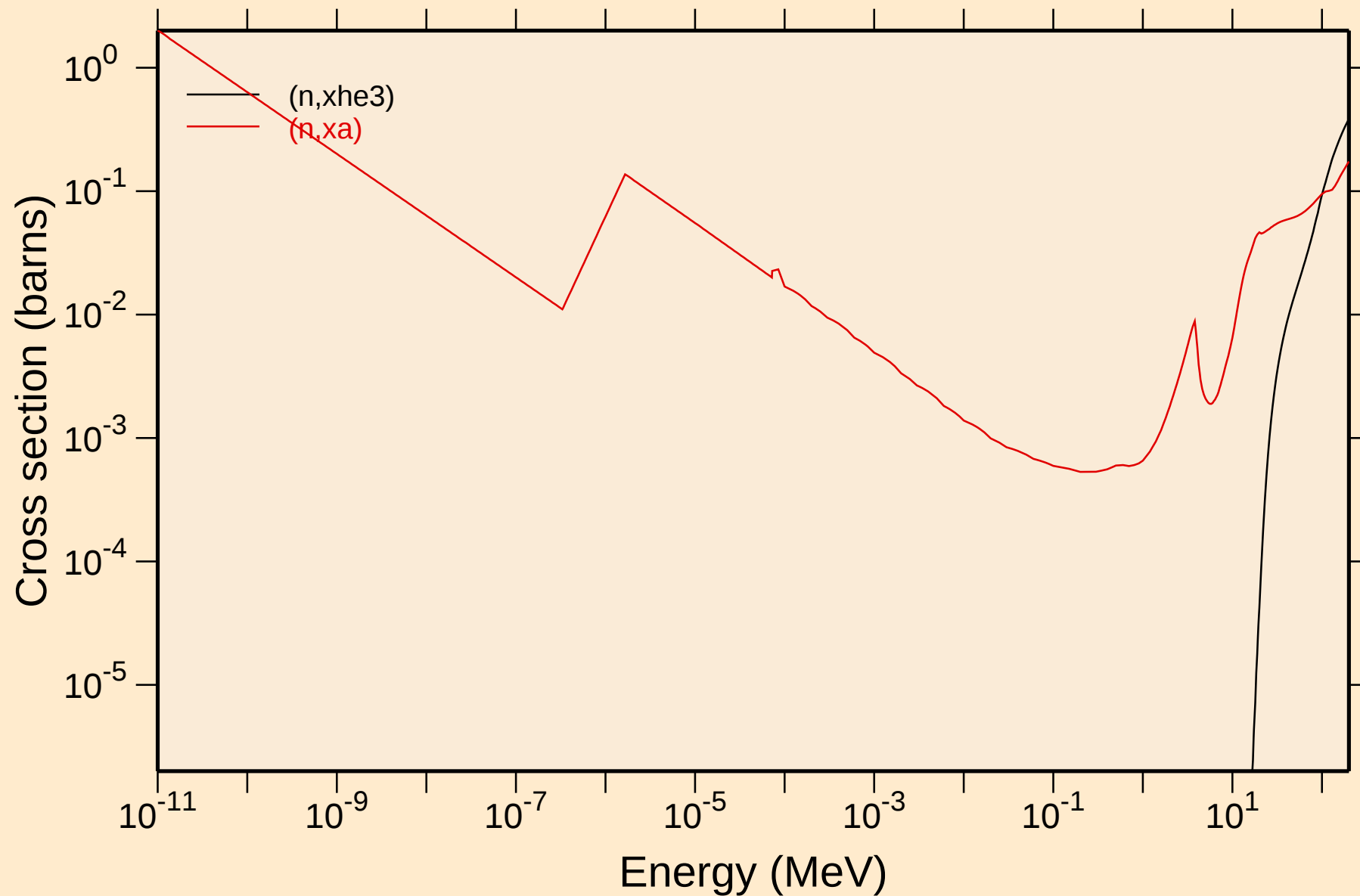
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

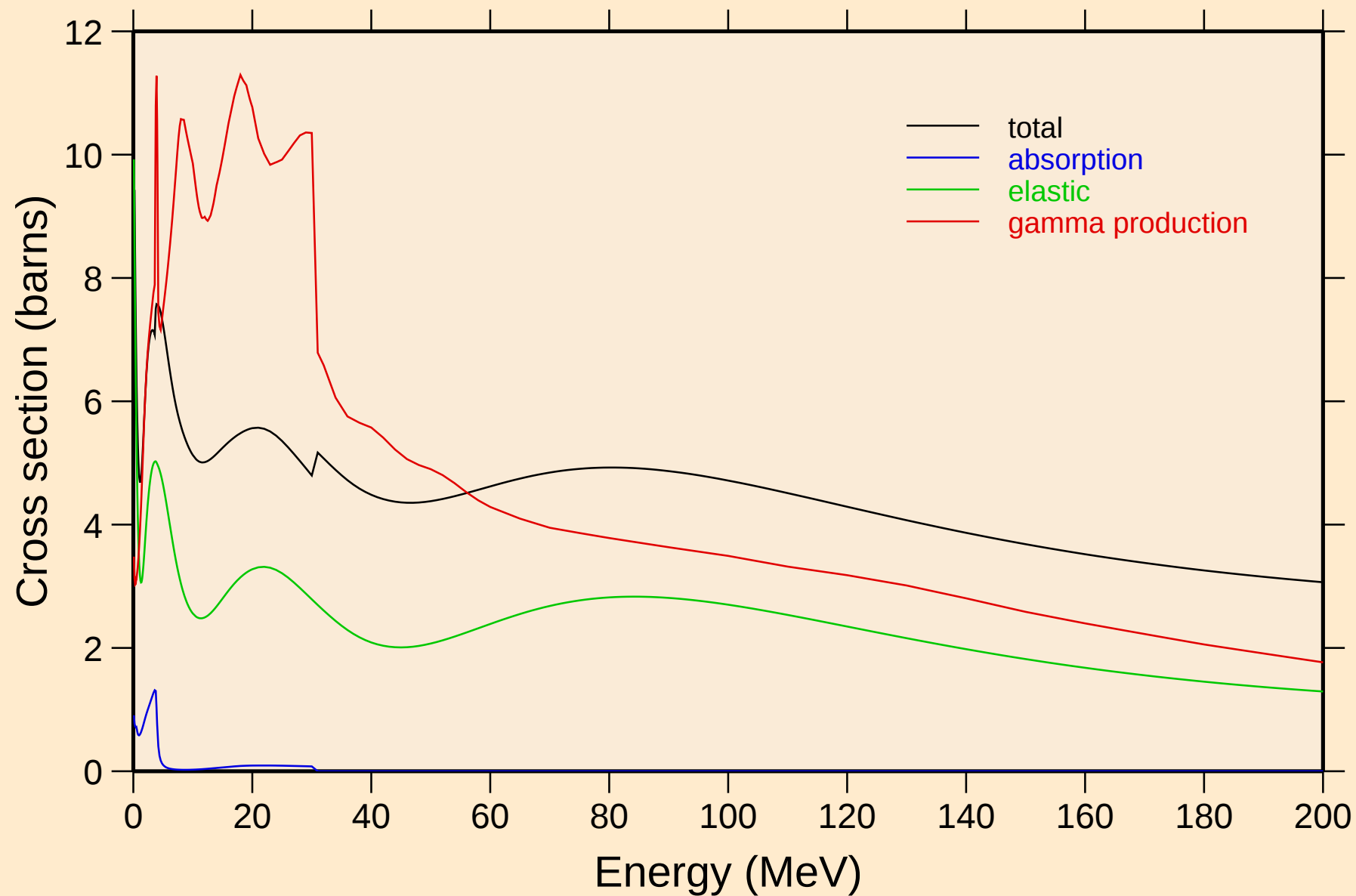


FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



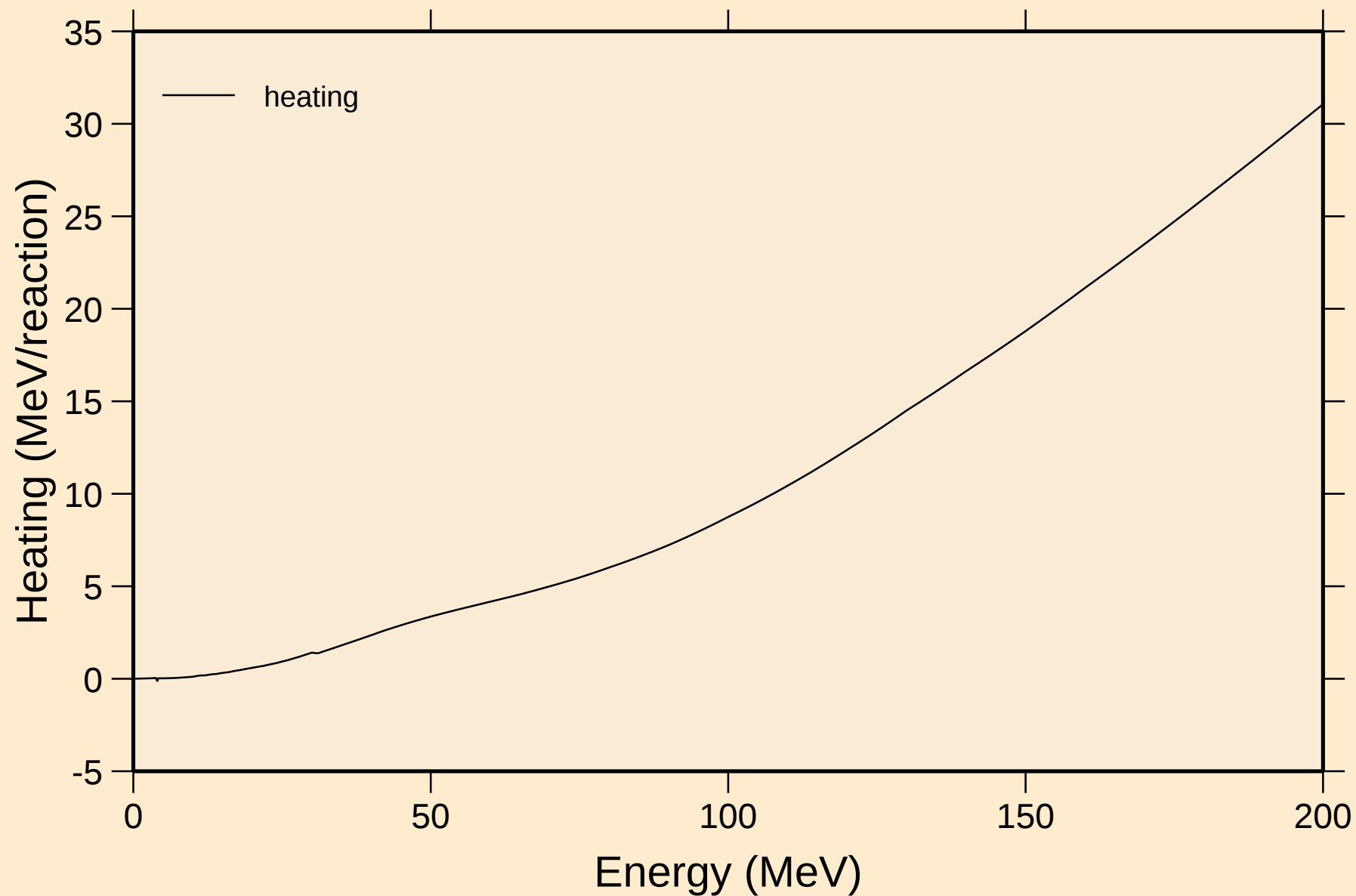
# FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



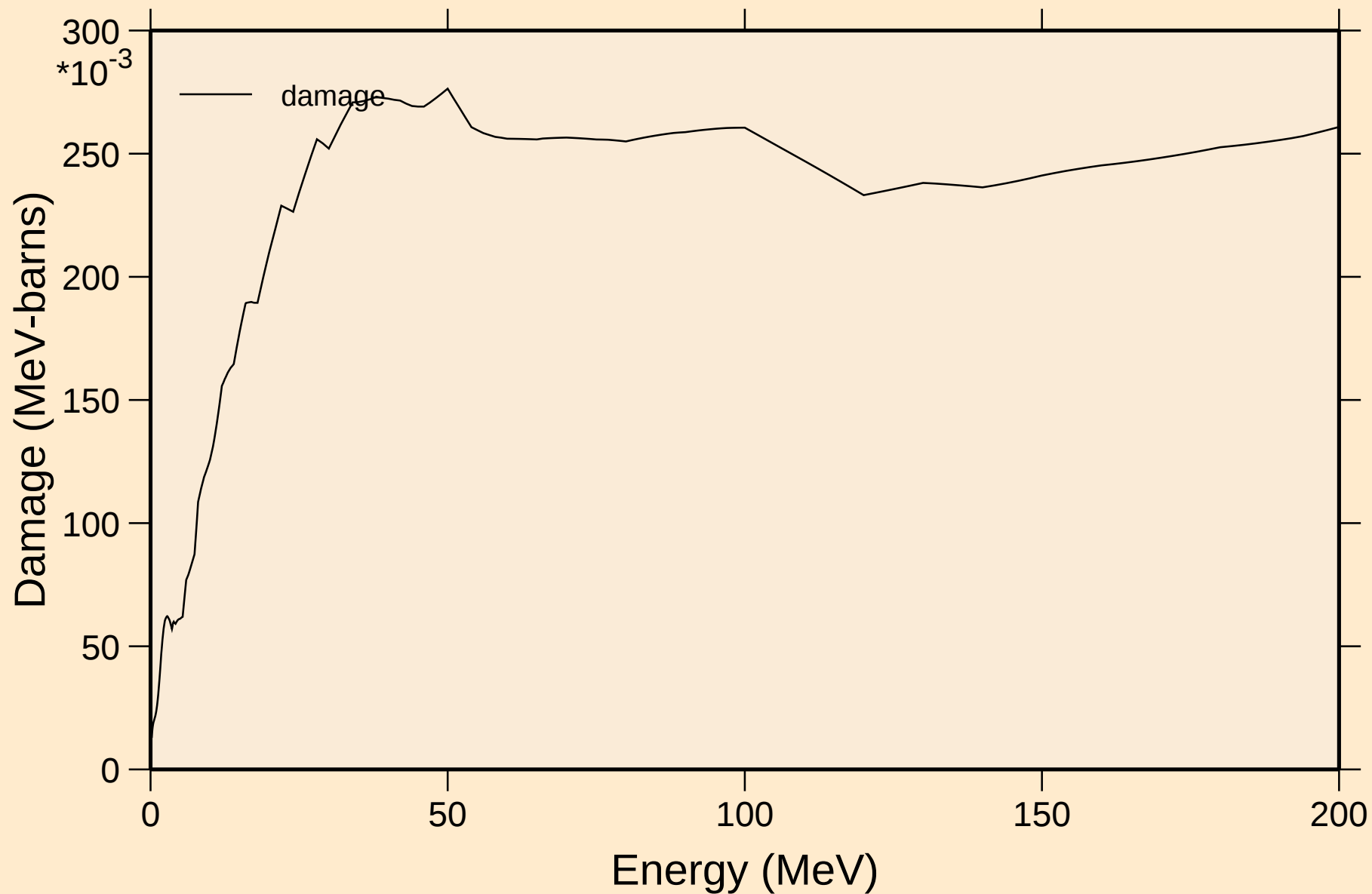
# FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Heating

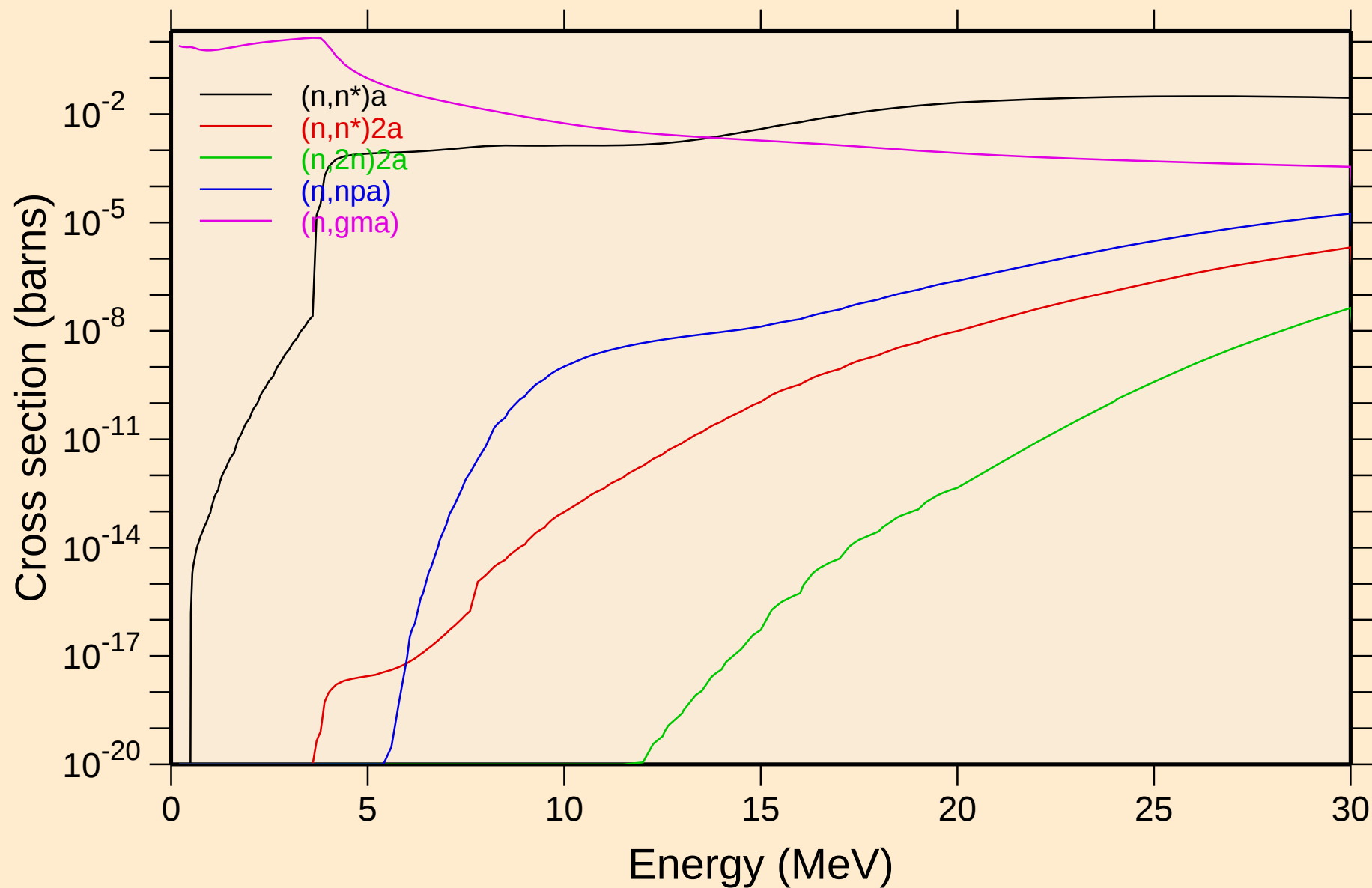


# FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

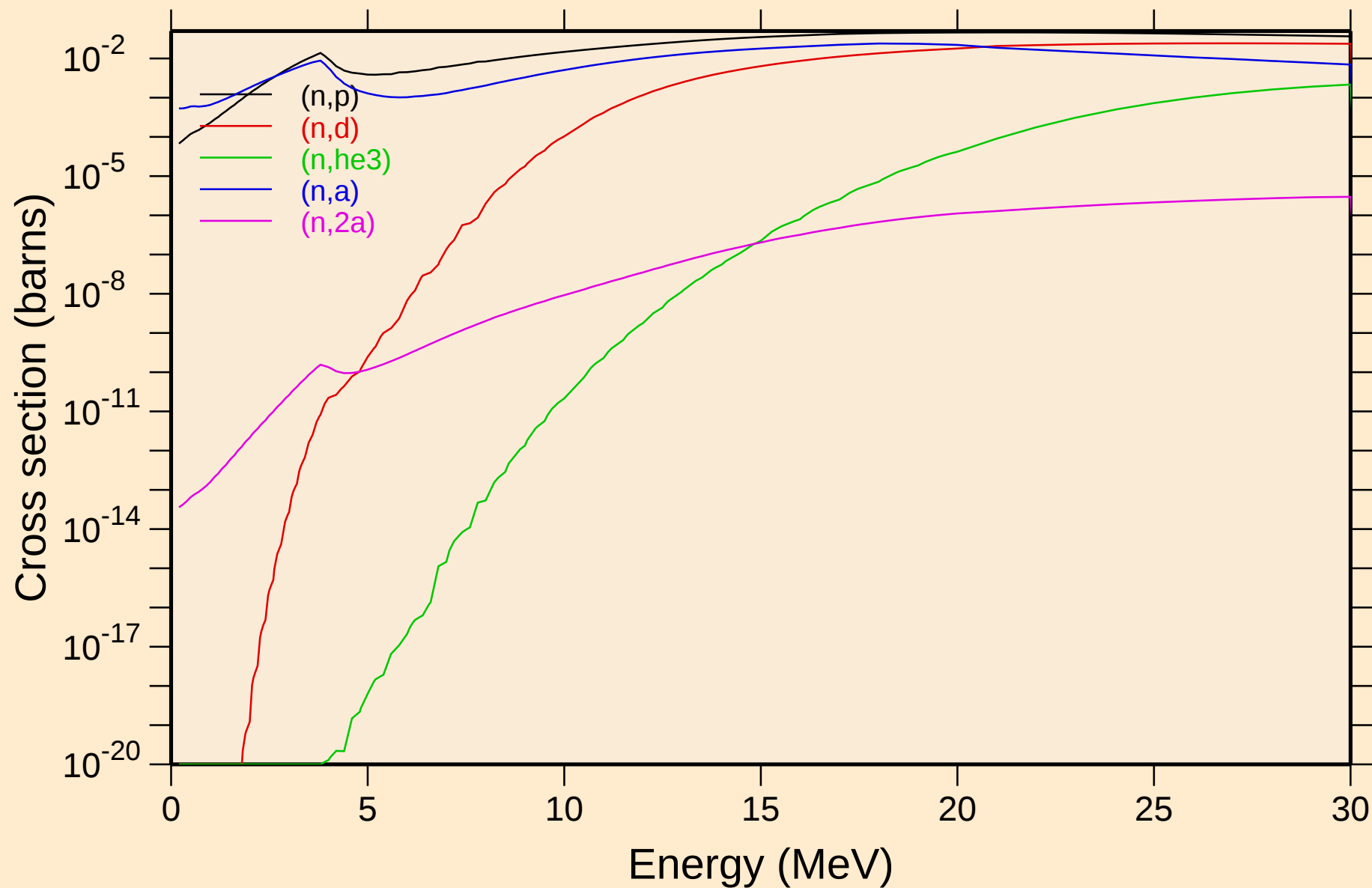
Damage



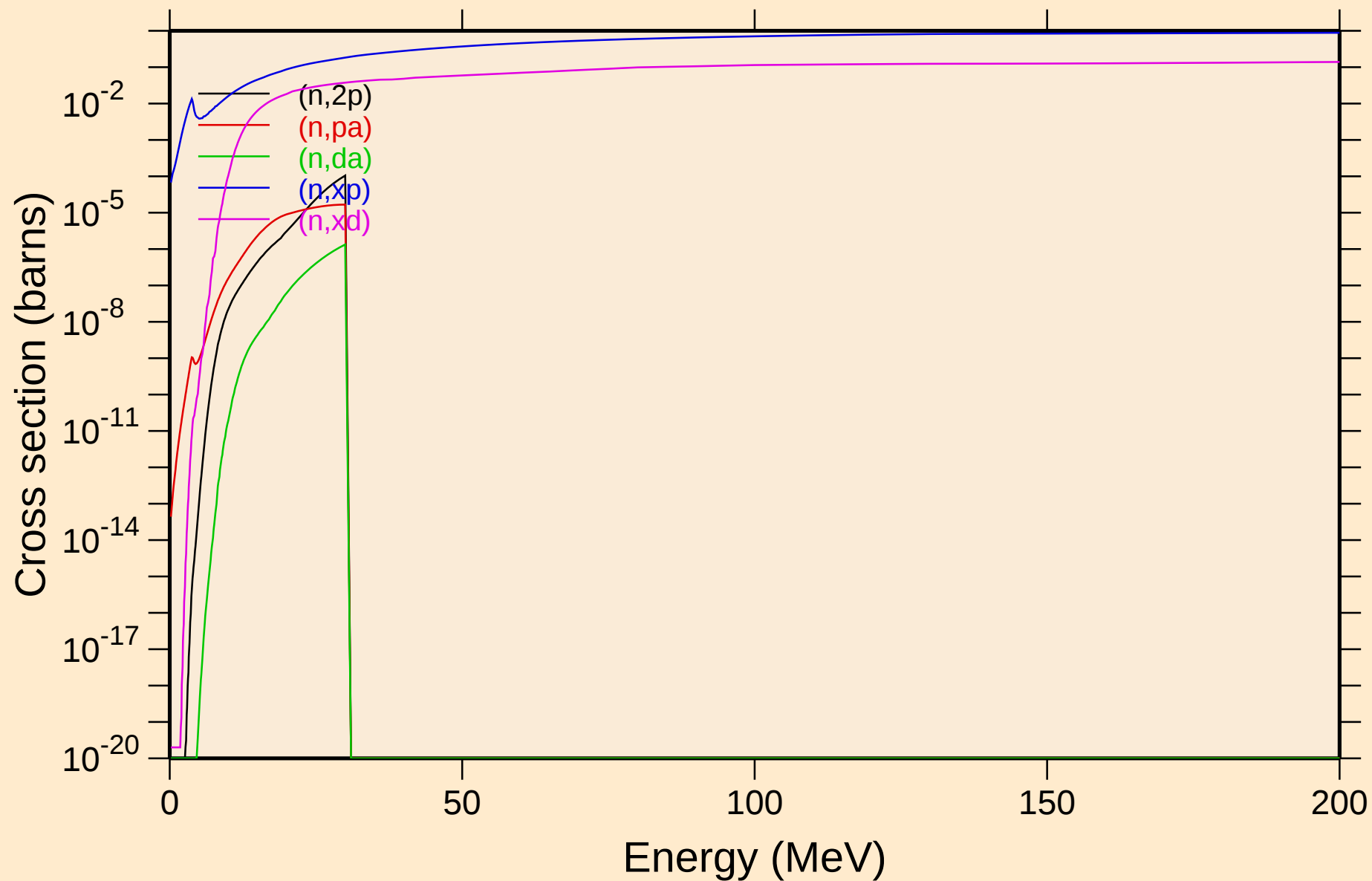
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

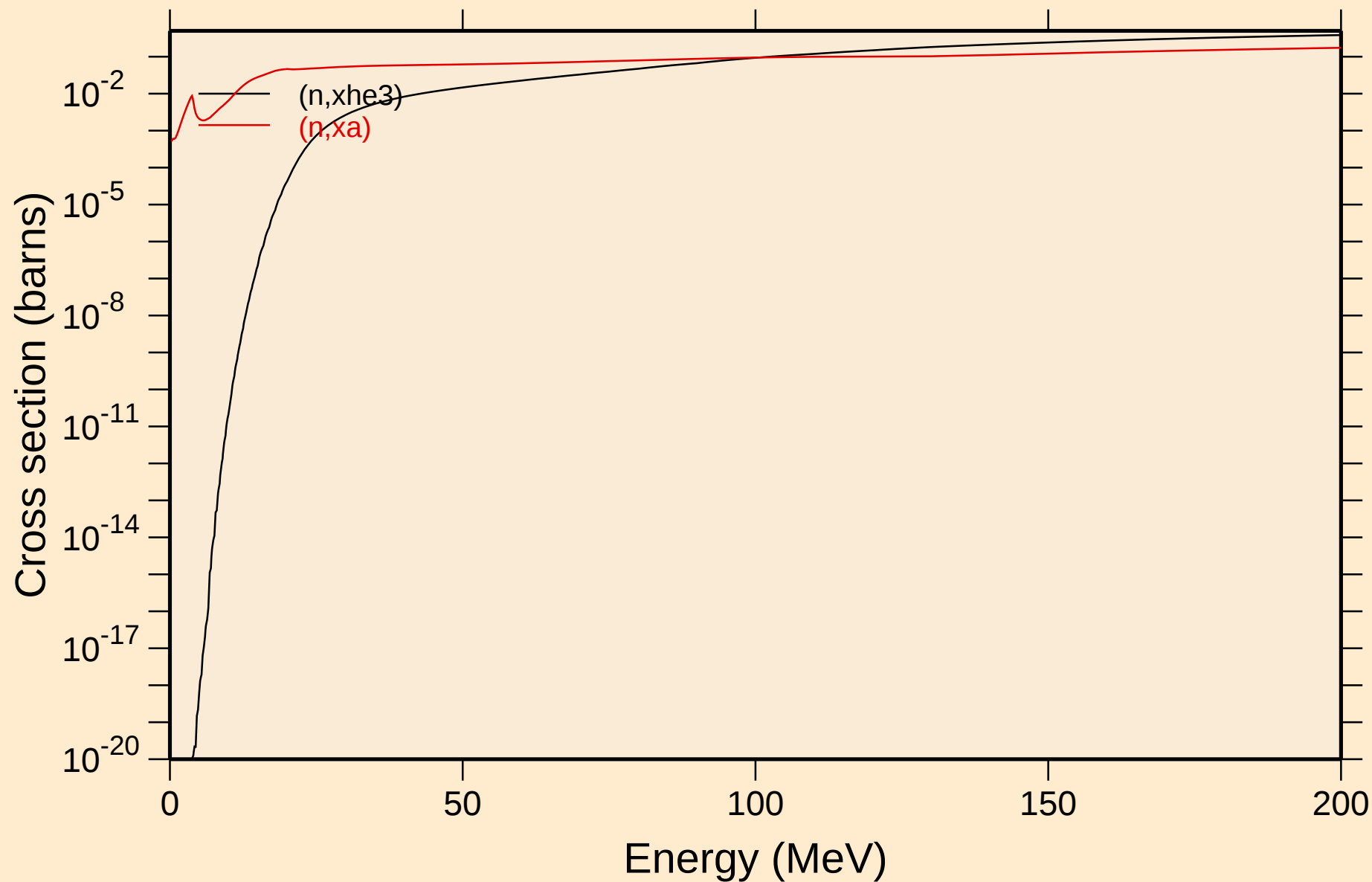


FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



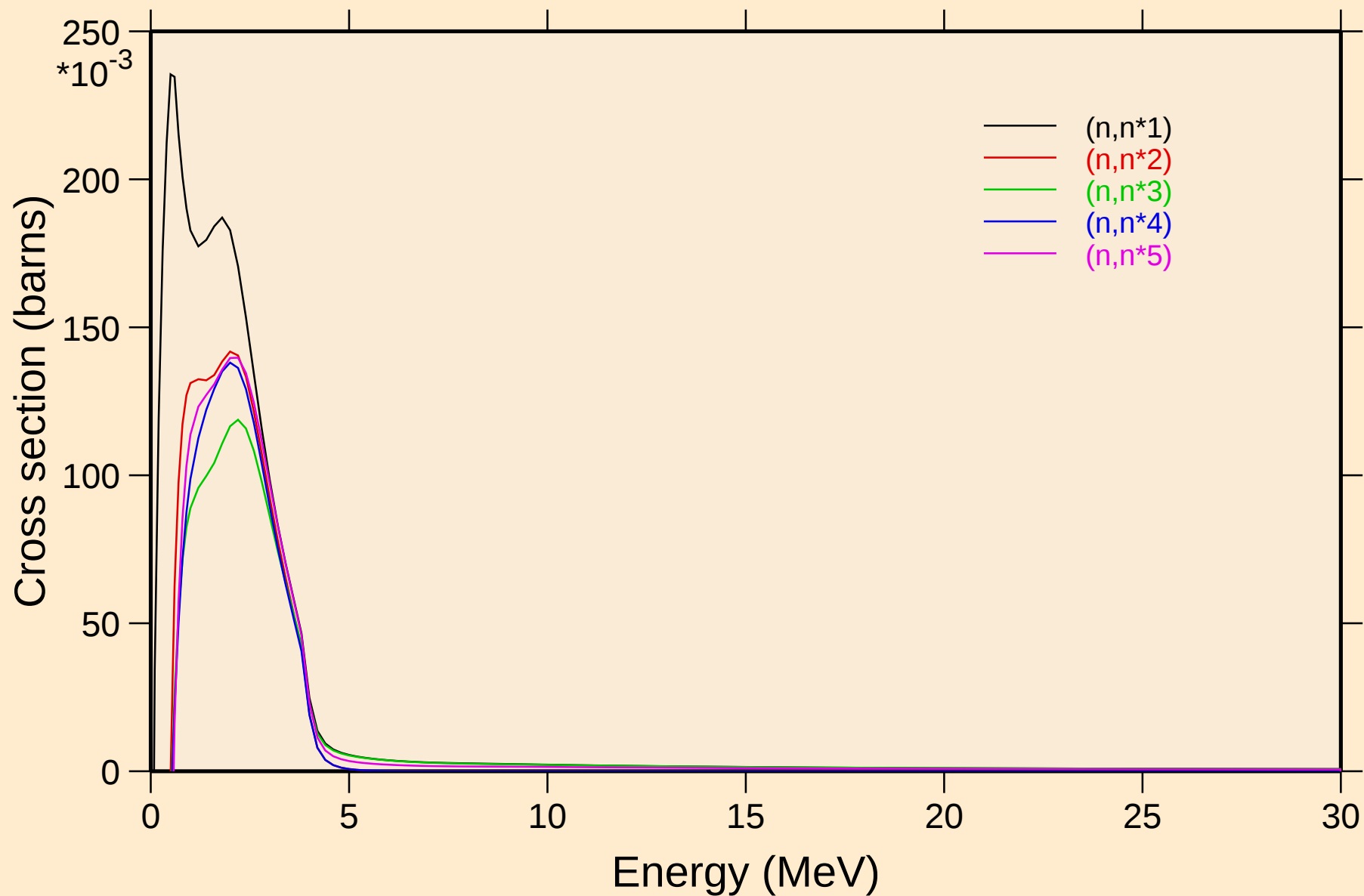
# FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Non-threshold reactions



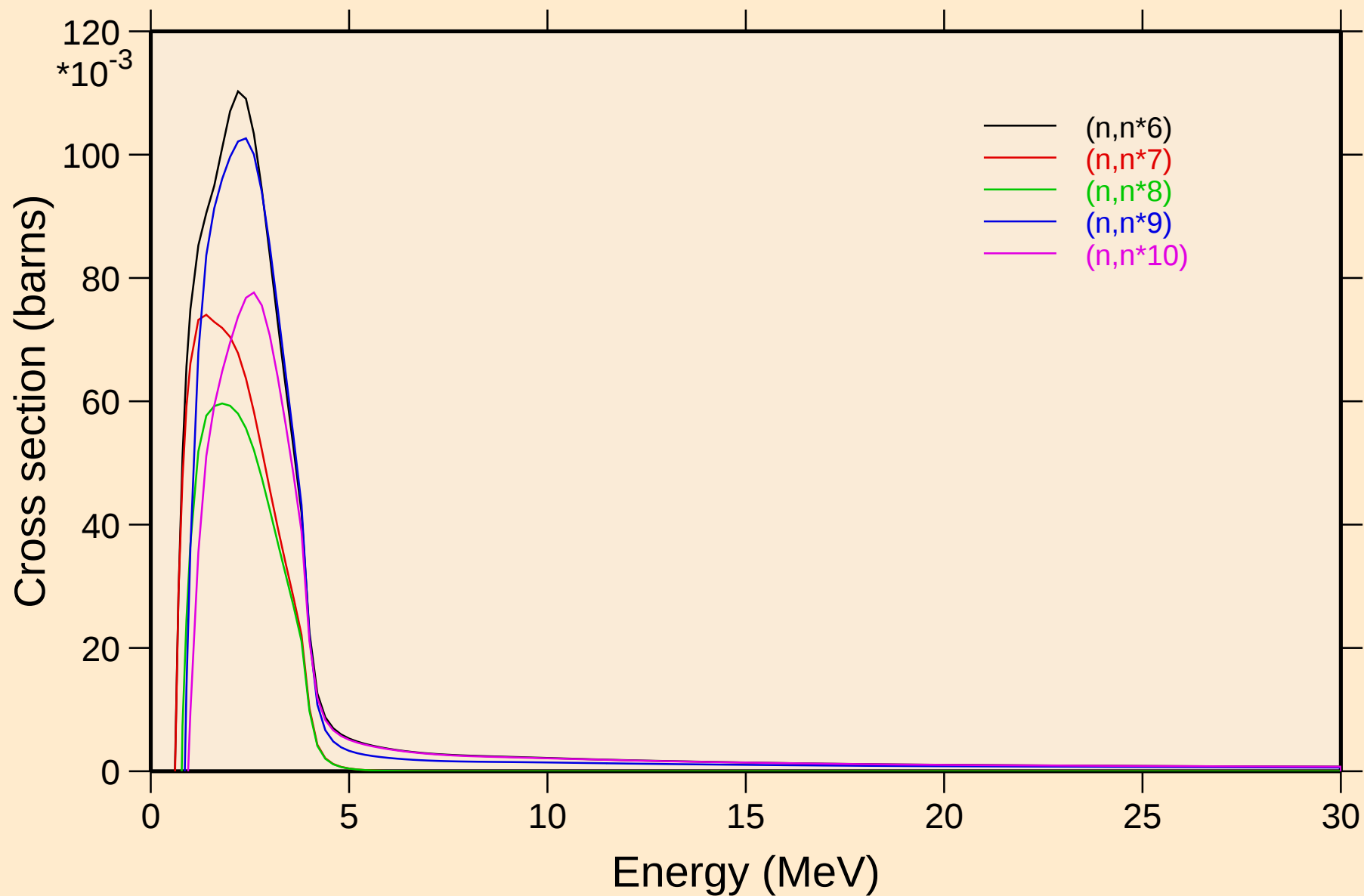
# FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Inelastic levels



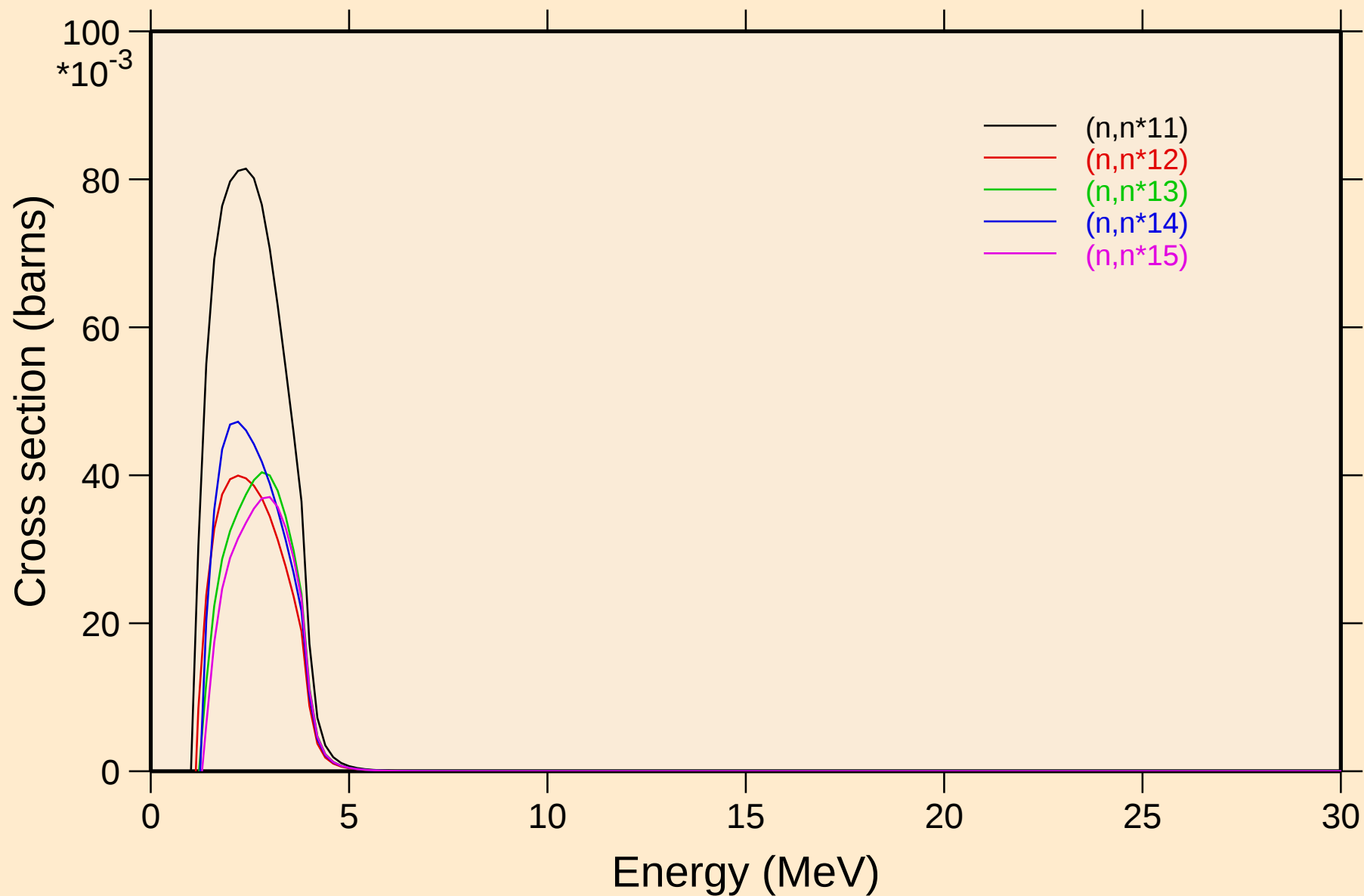
# FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Inelastic levels



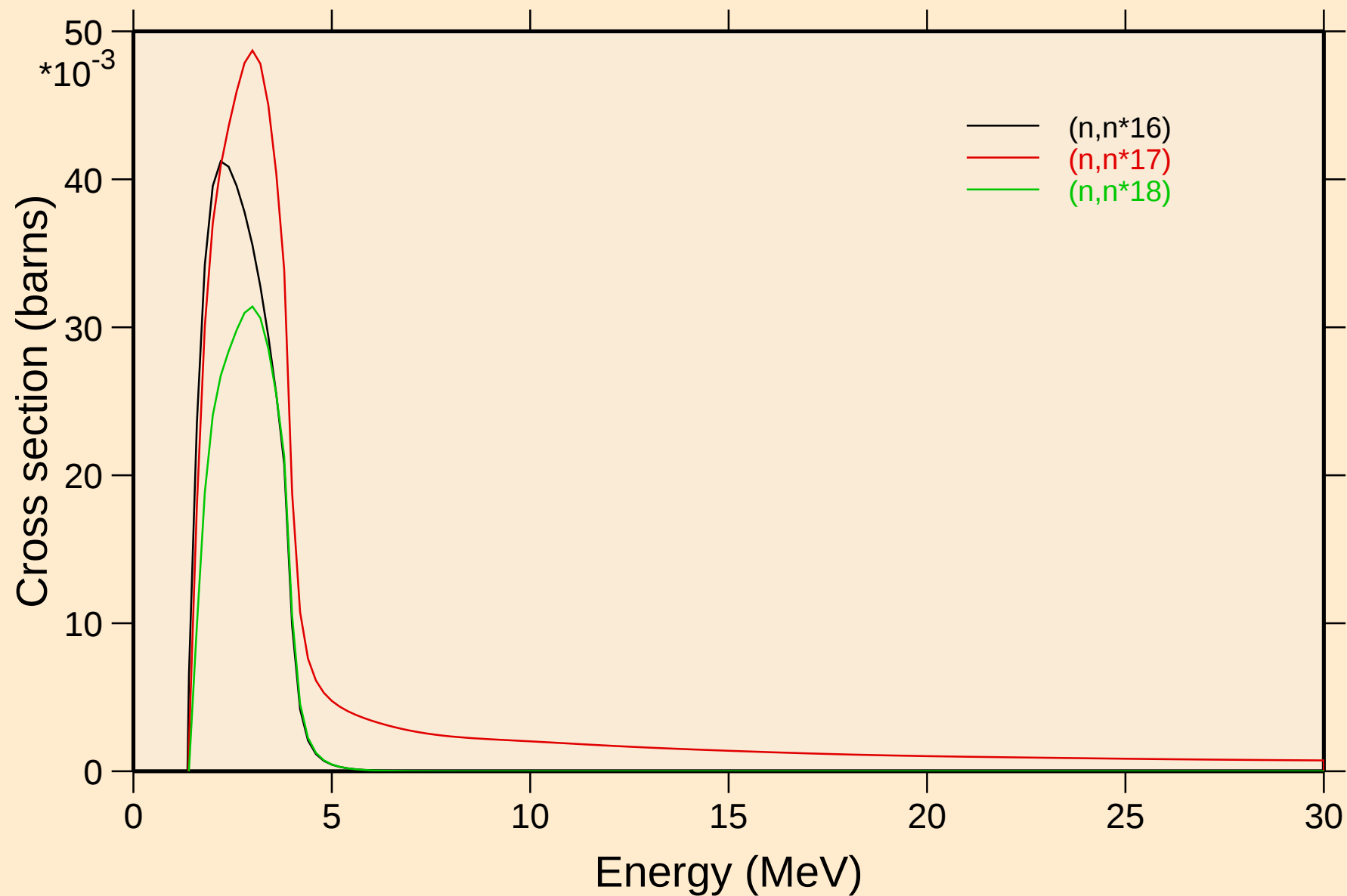
# FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Inelastic levels



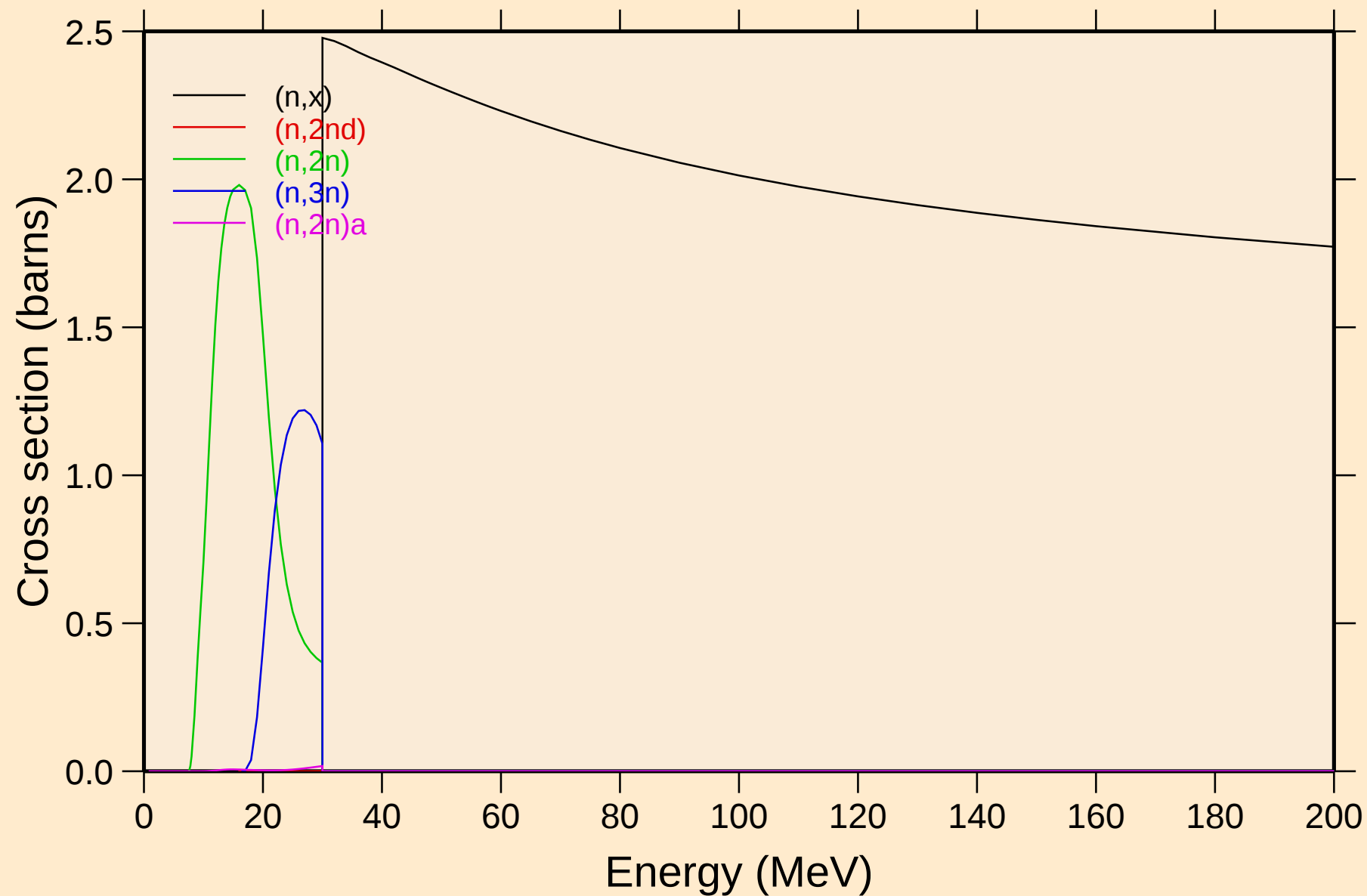
# FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Inelastic levels



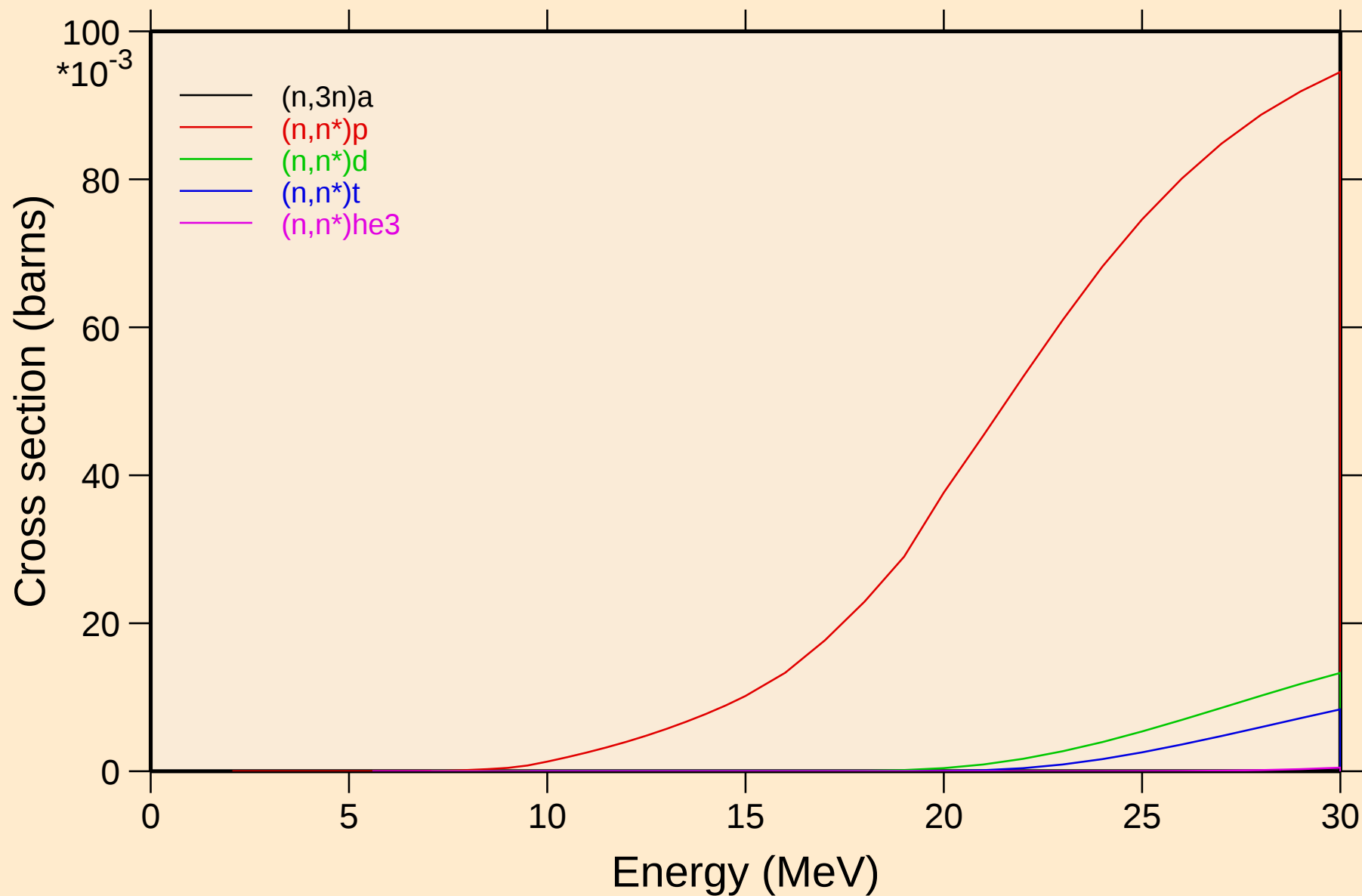
# FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



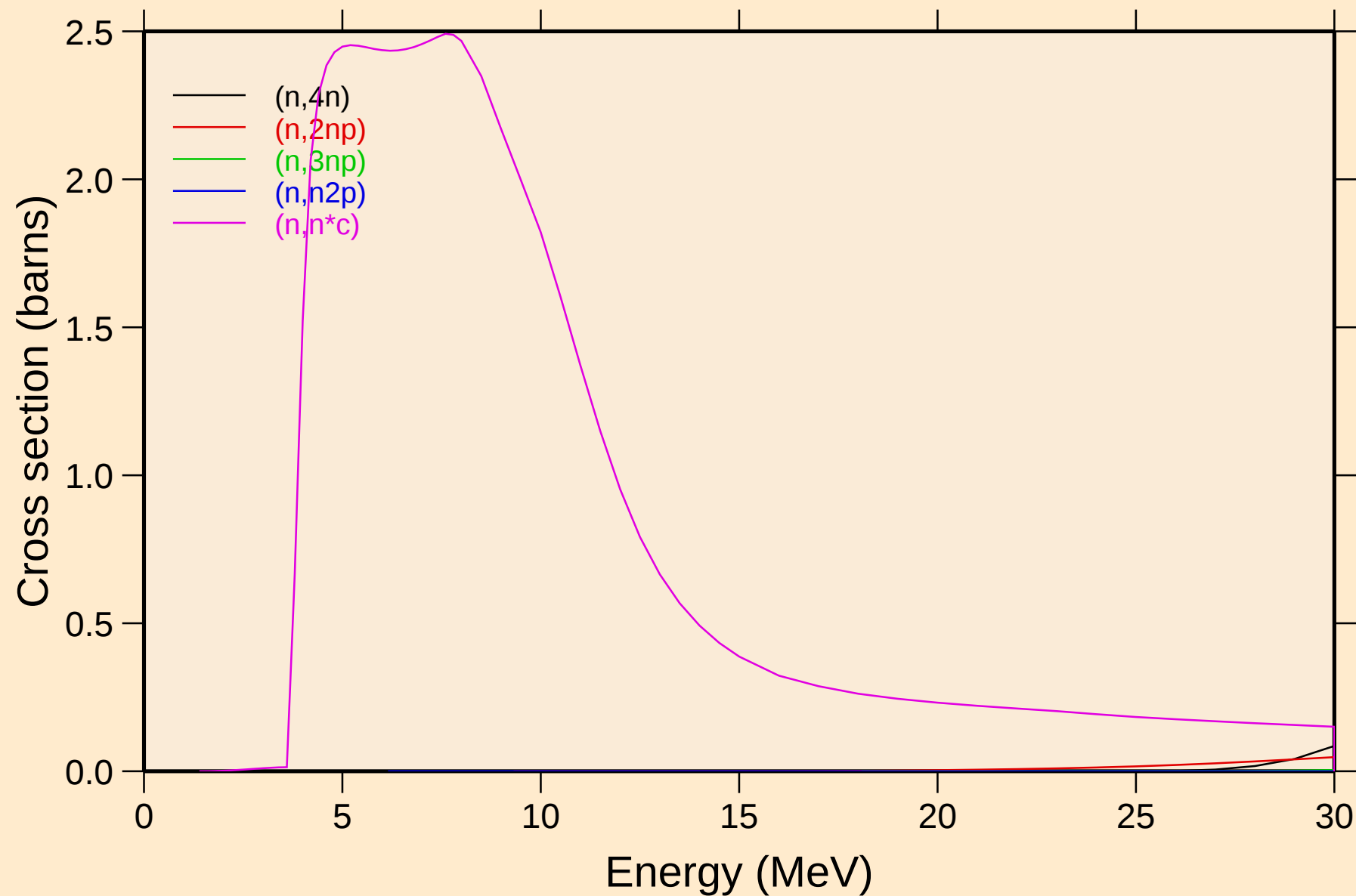
# FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



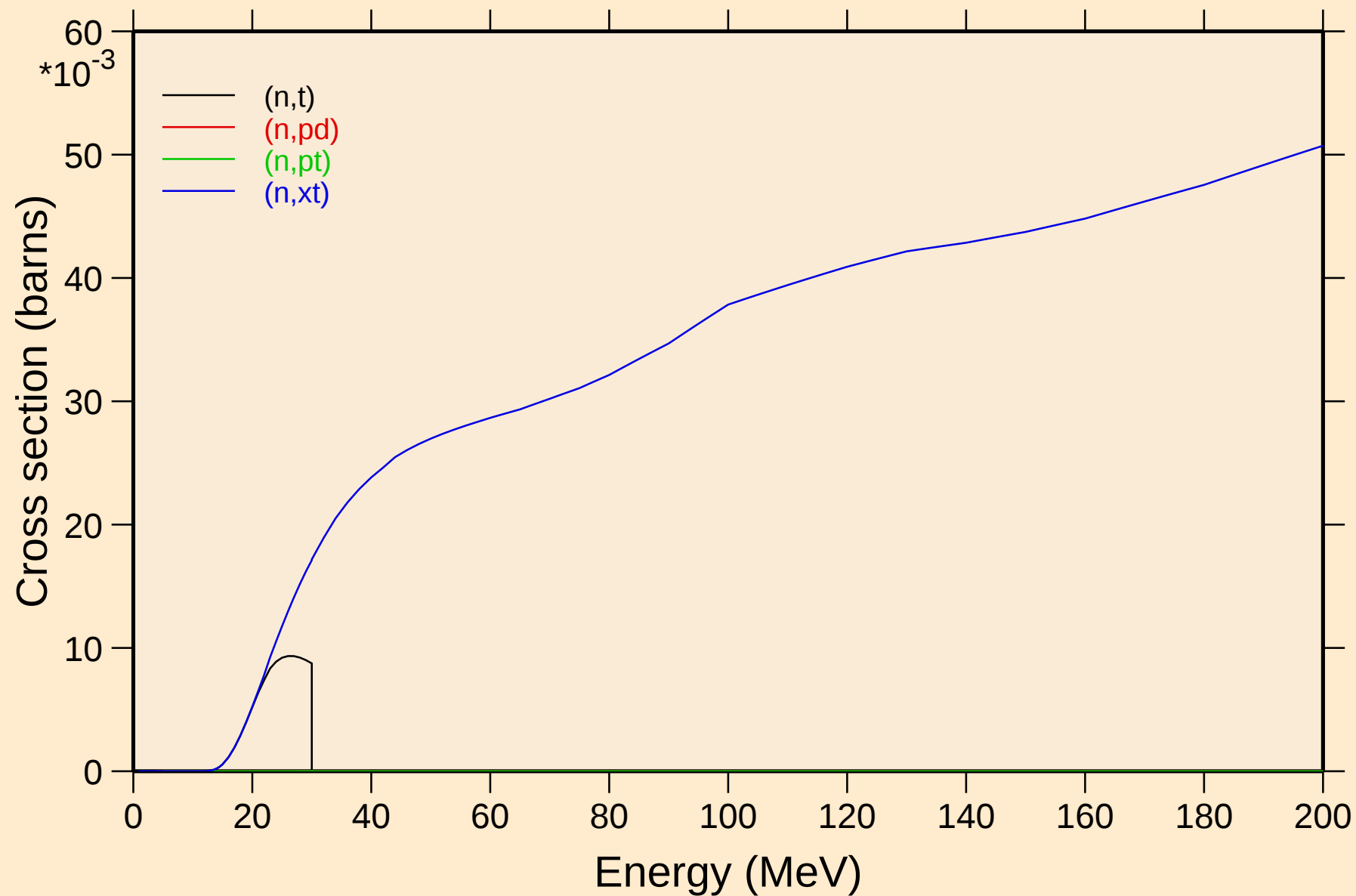
# FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions

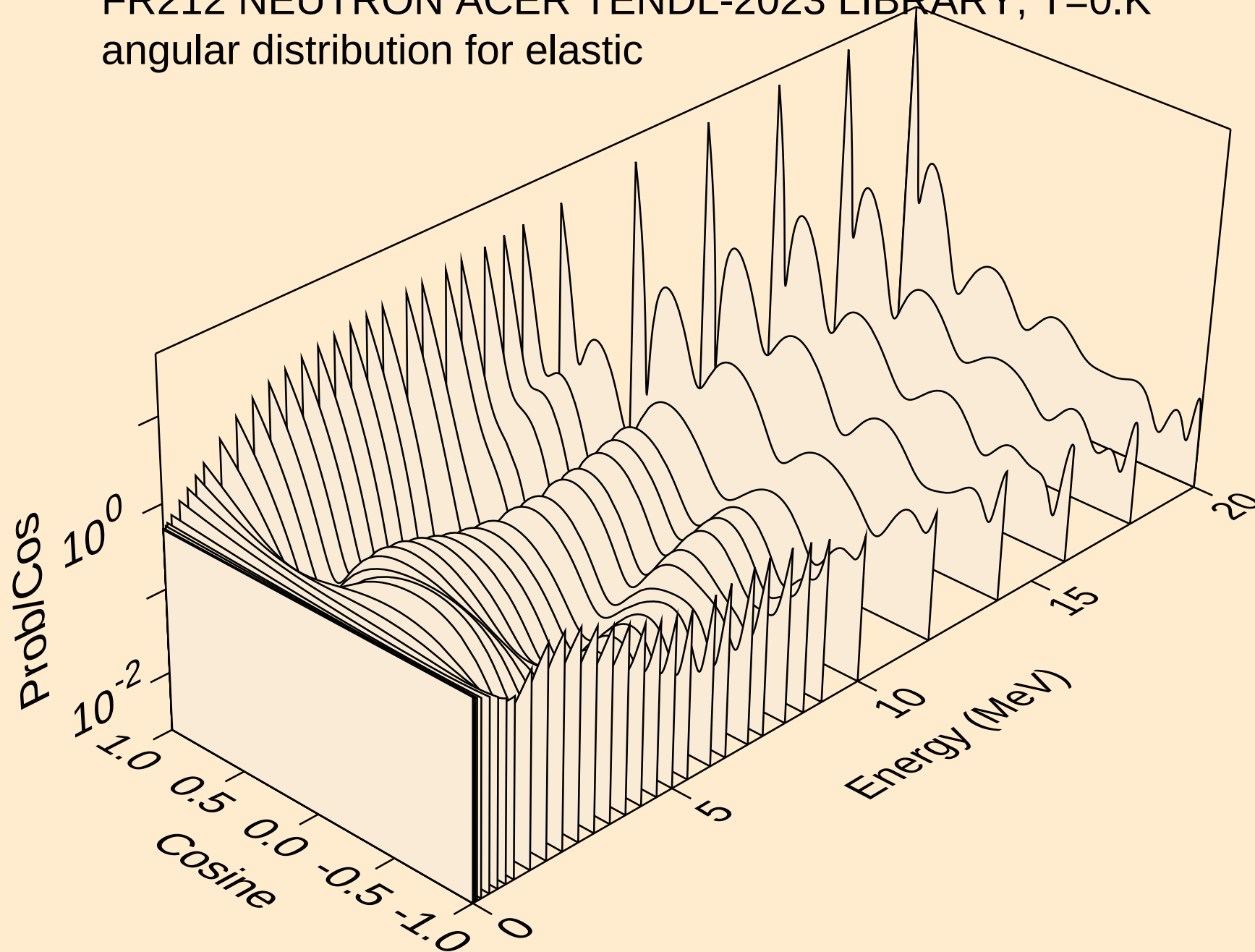


# FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

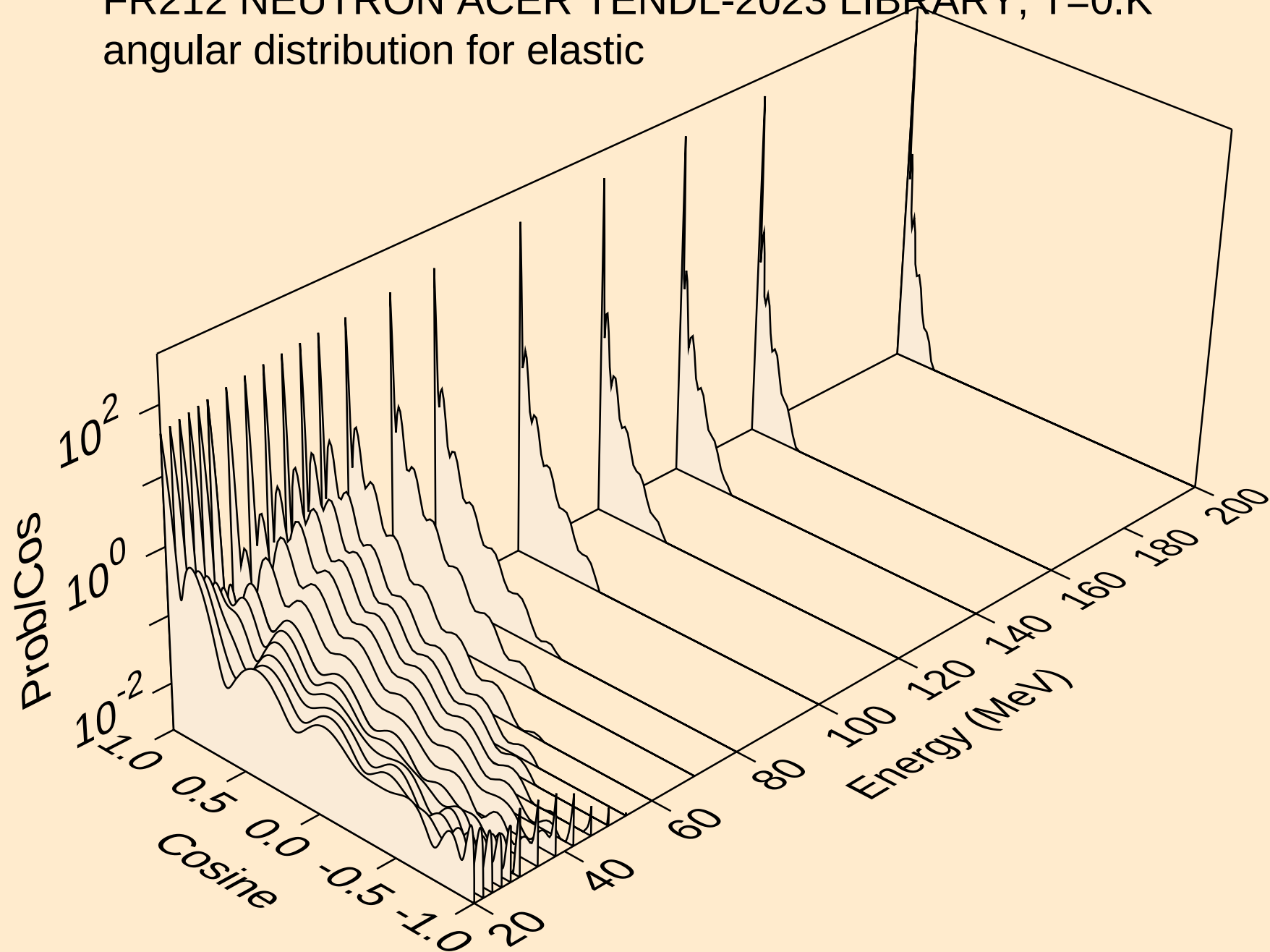
## Threshold reactions



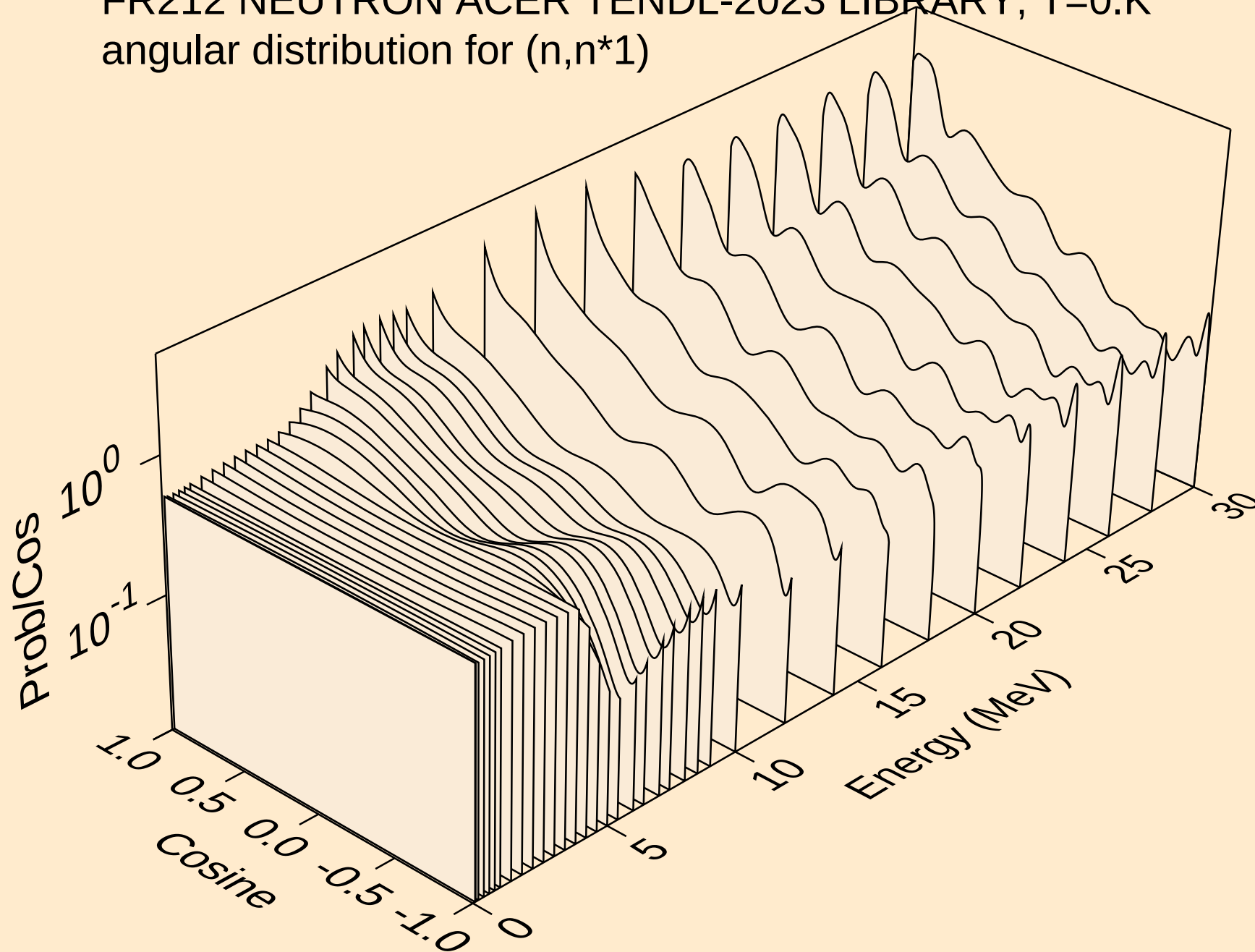
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



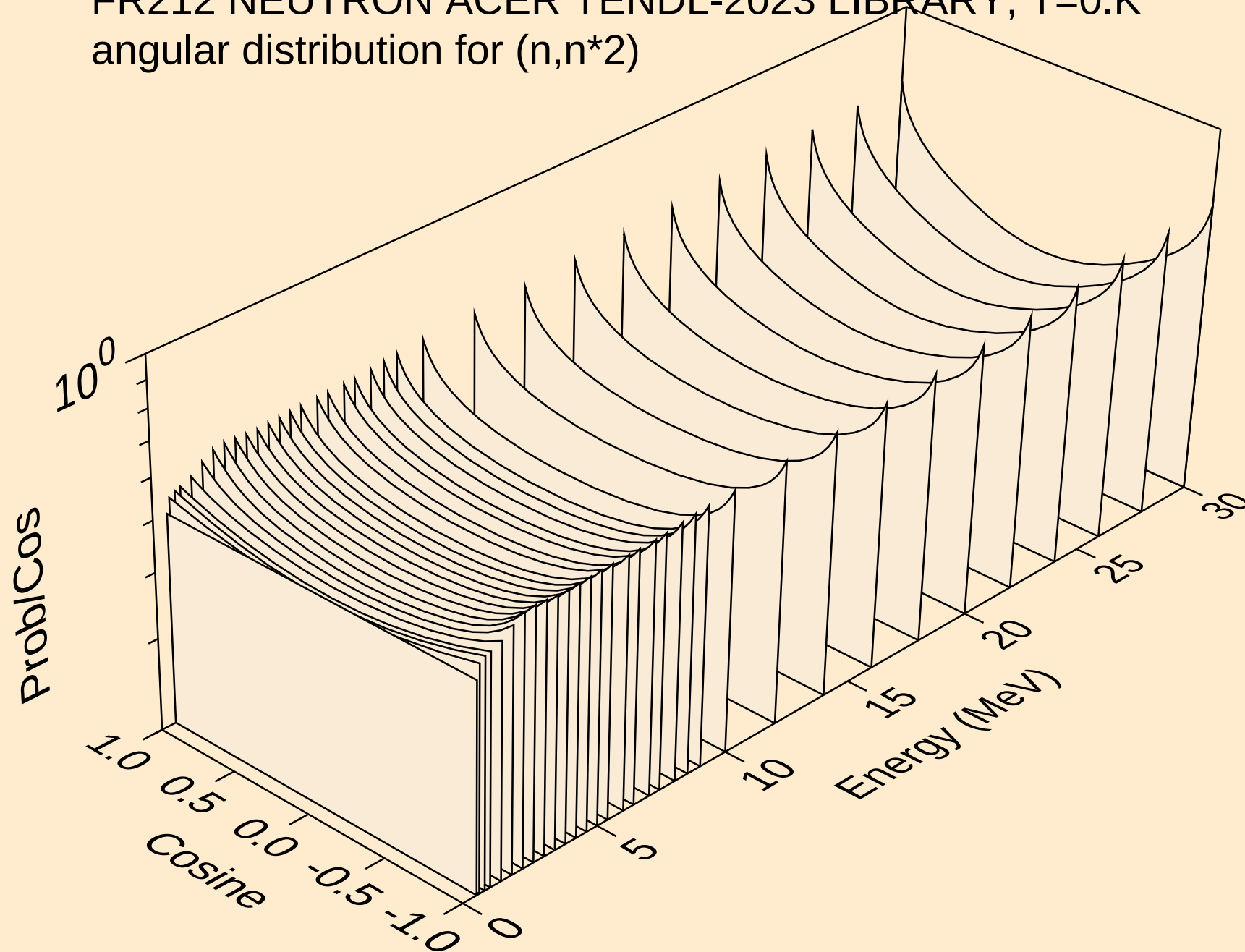
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



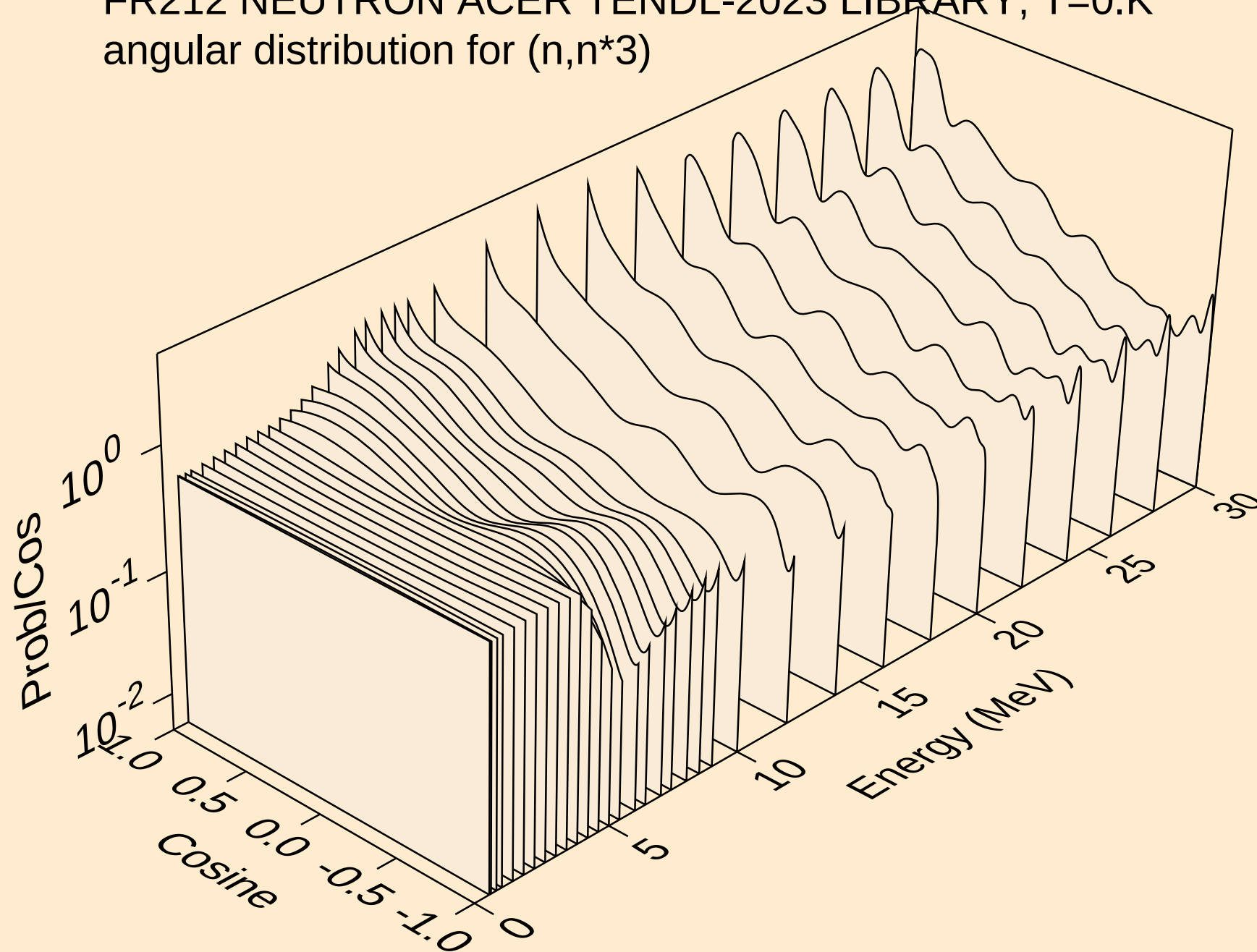
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



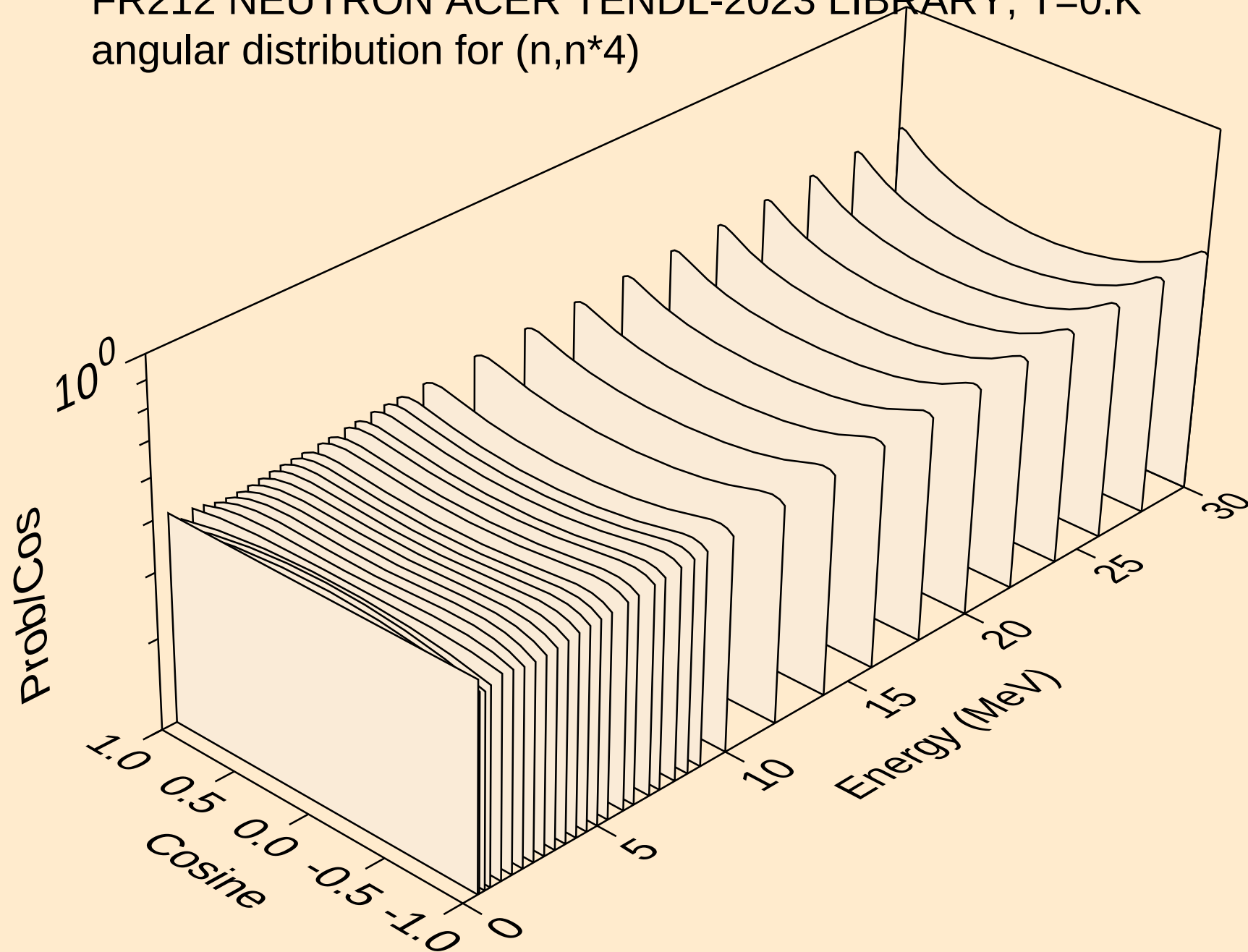
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*2)



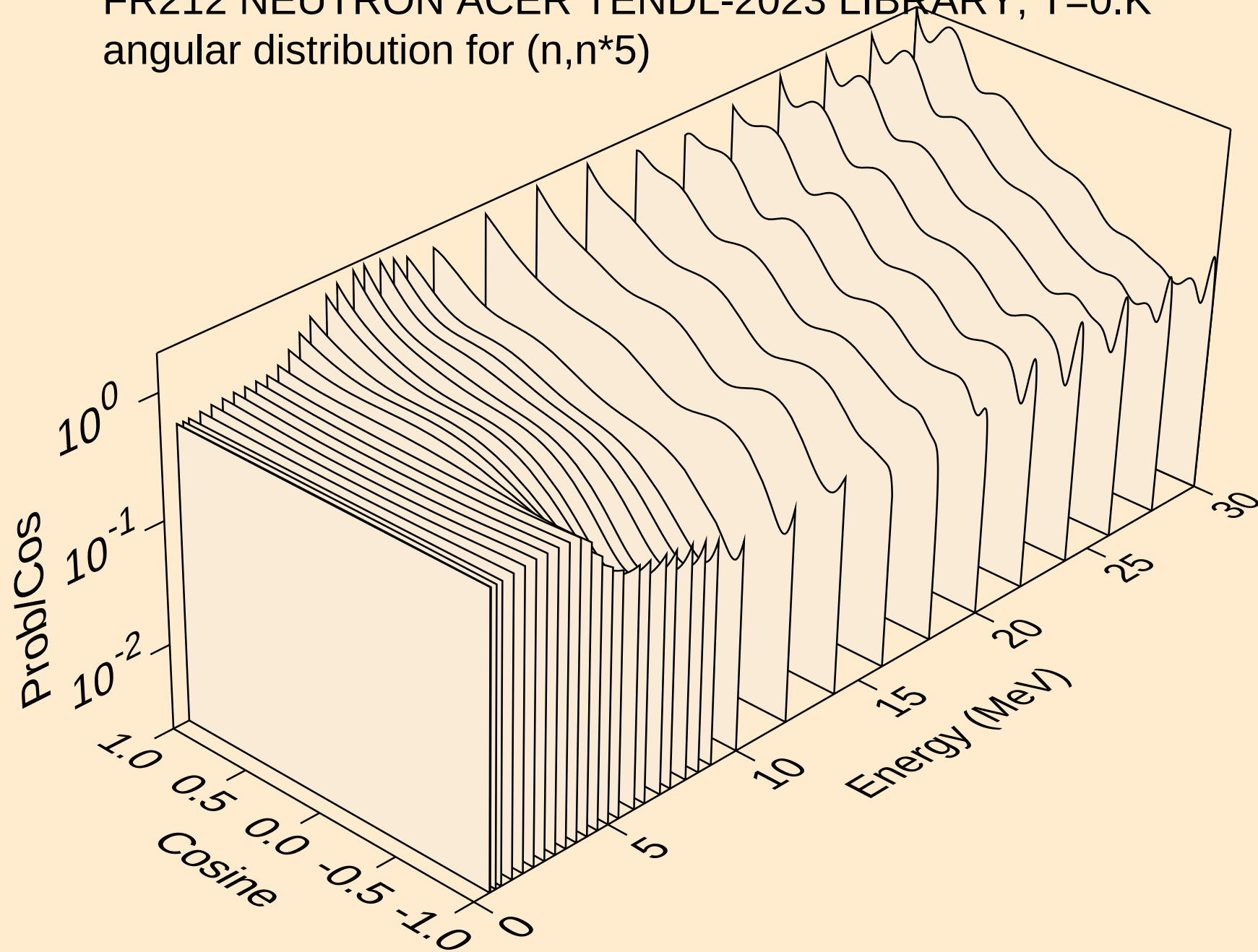
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*3)



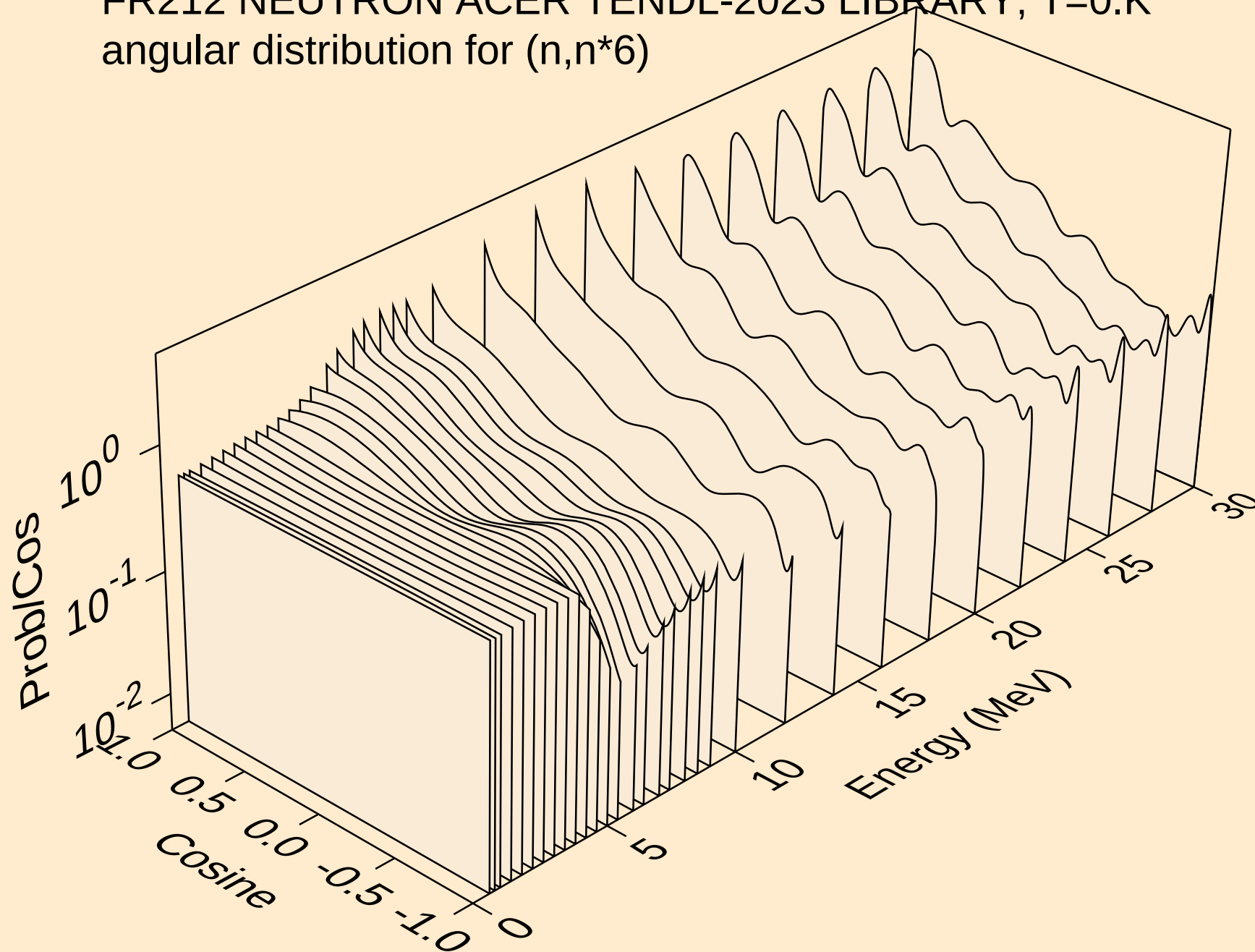
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*4)



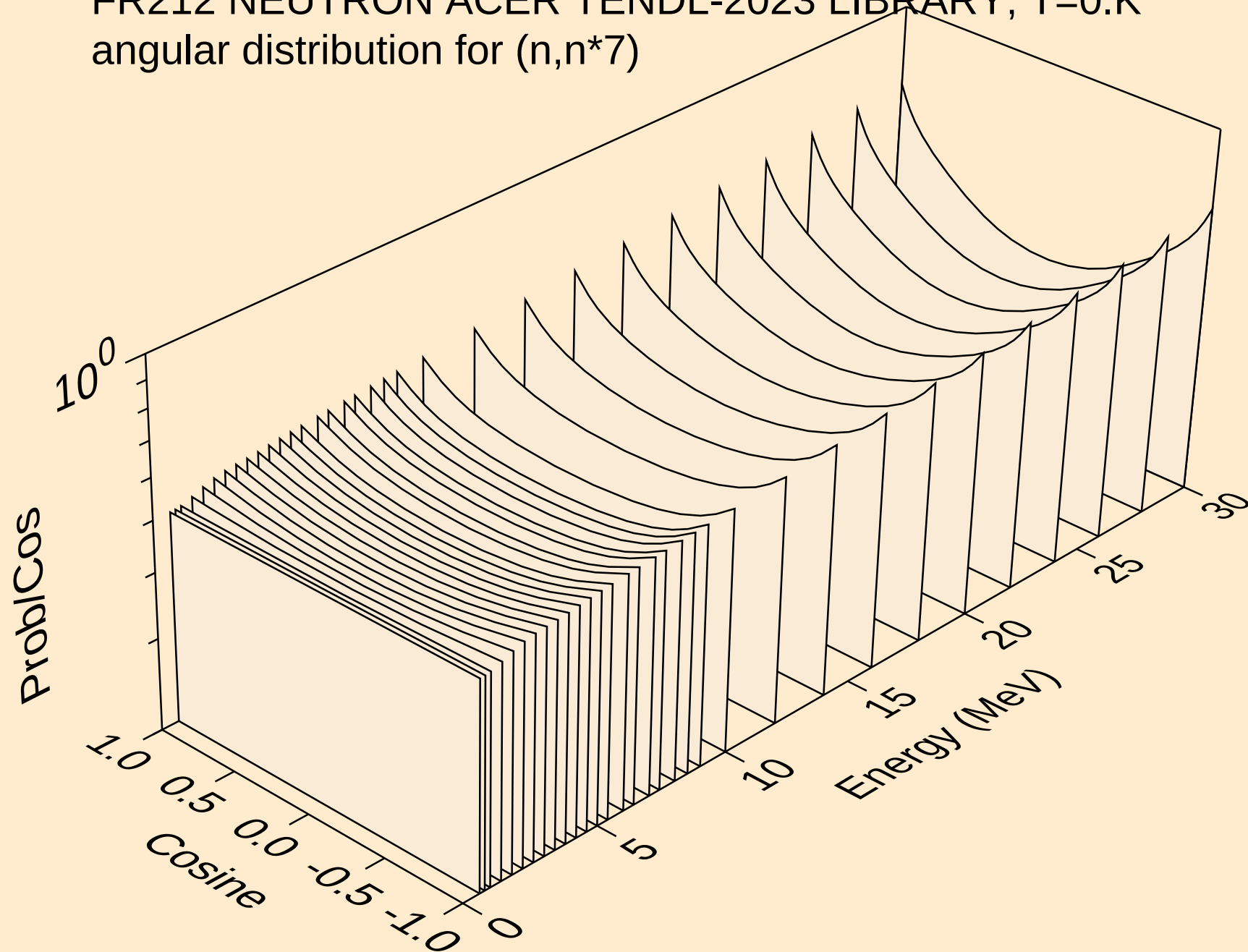
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*5)



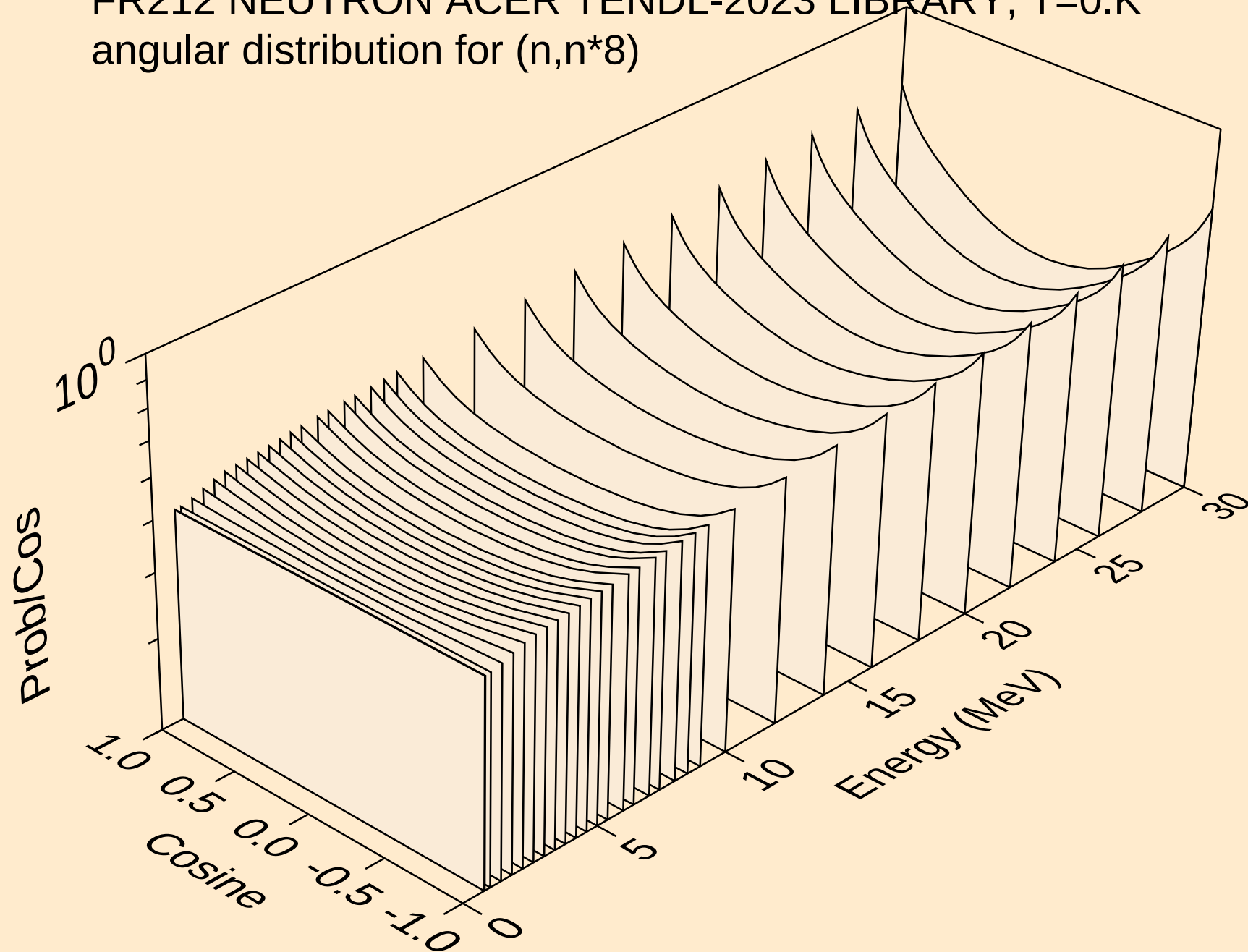
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*6)



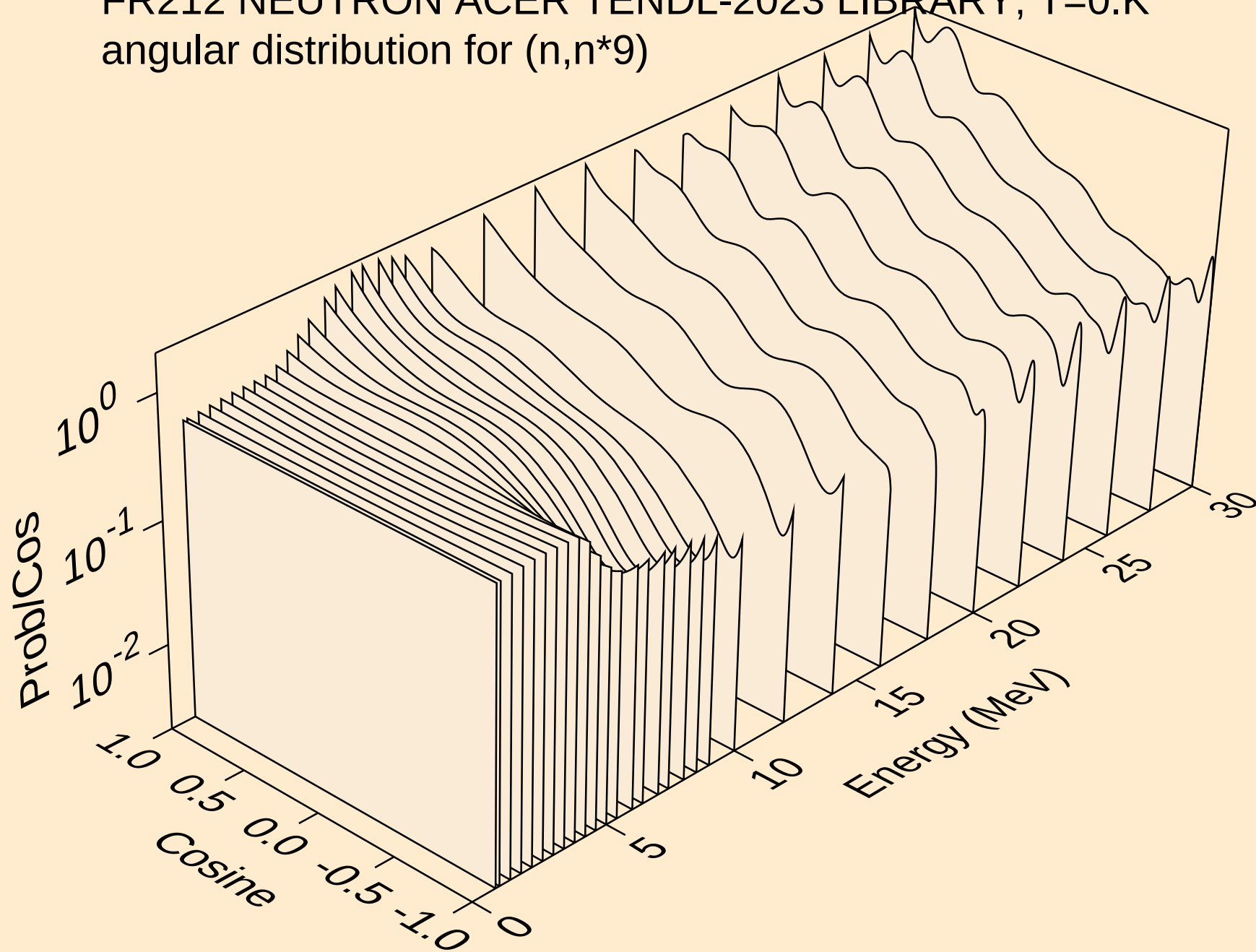
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*7)



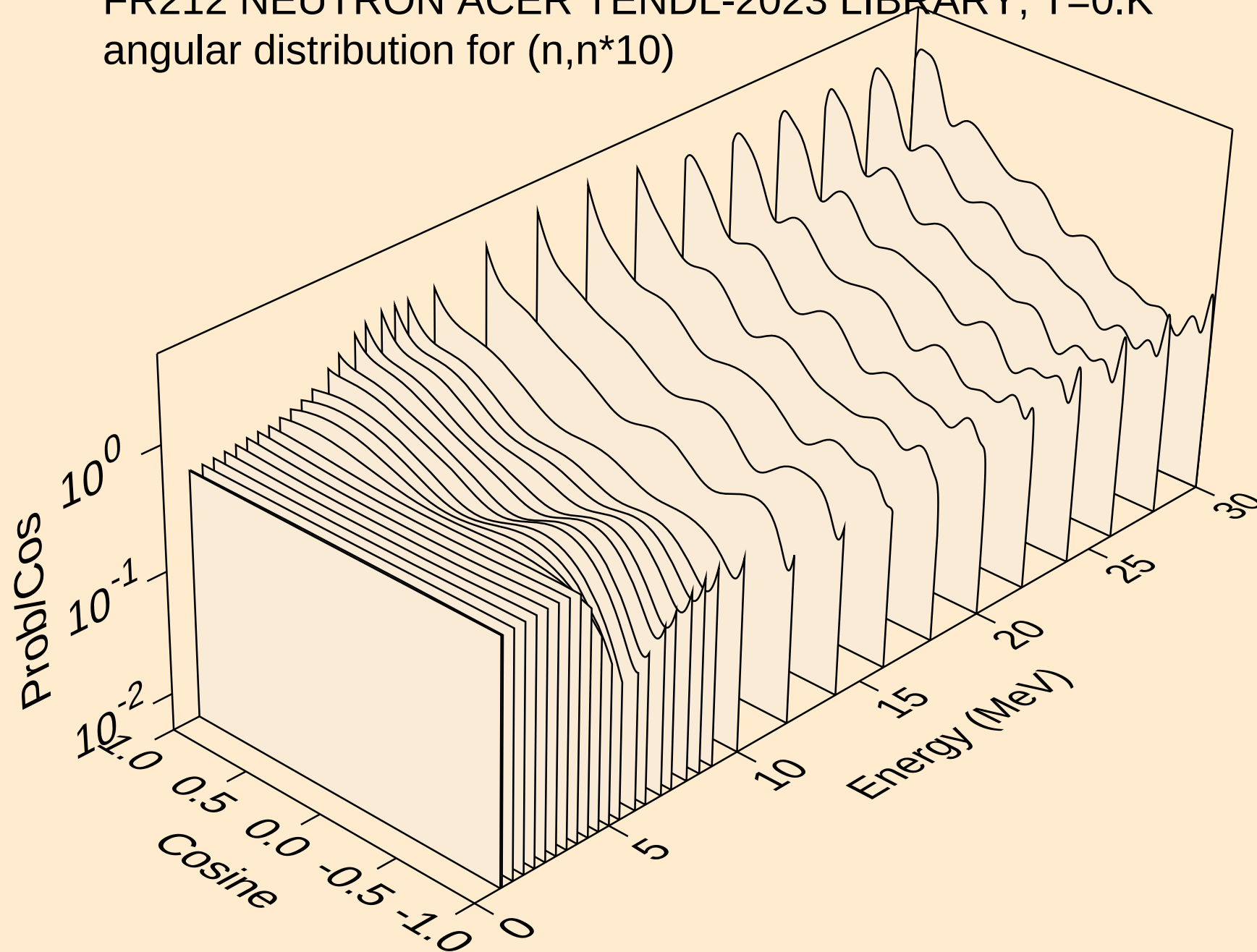
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*8)



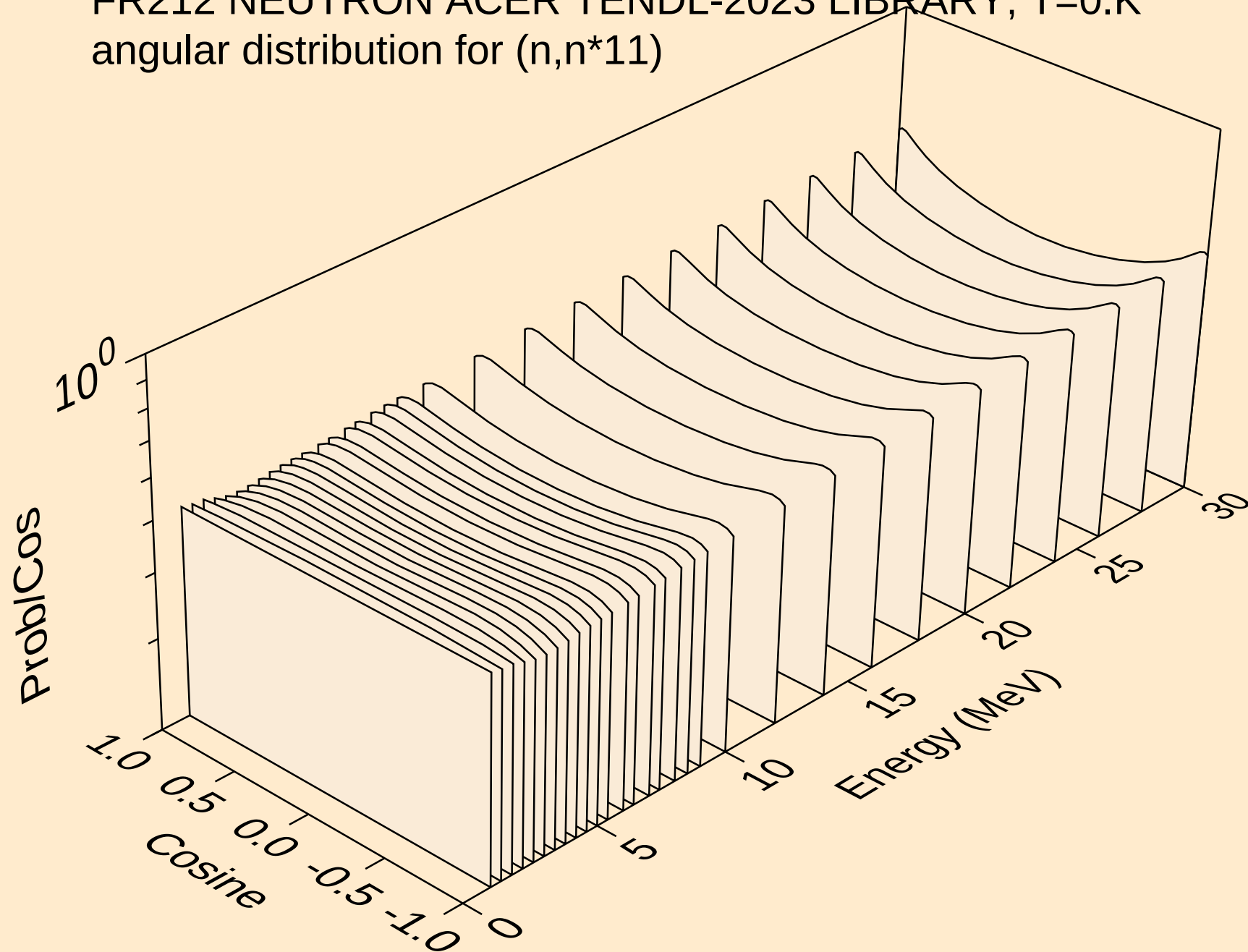
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*9)



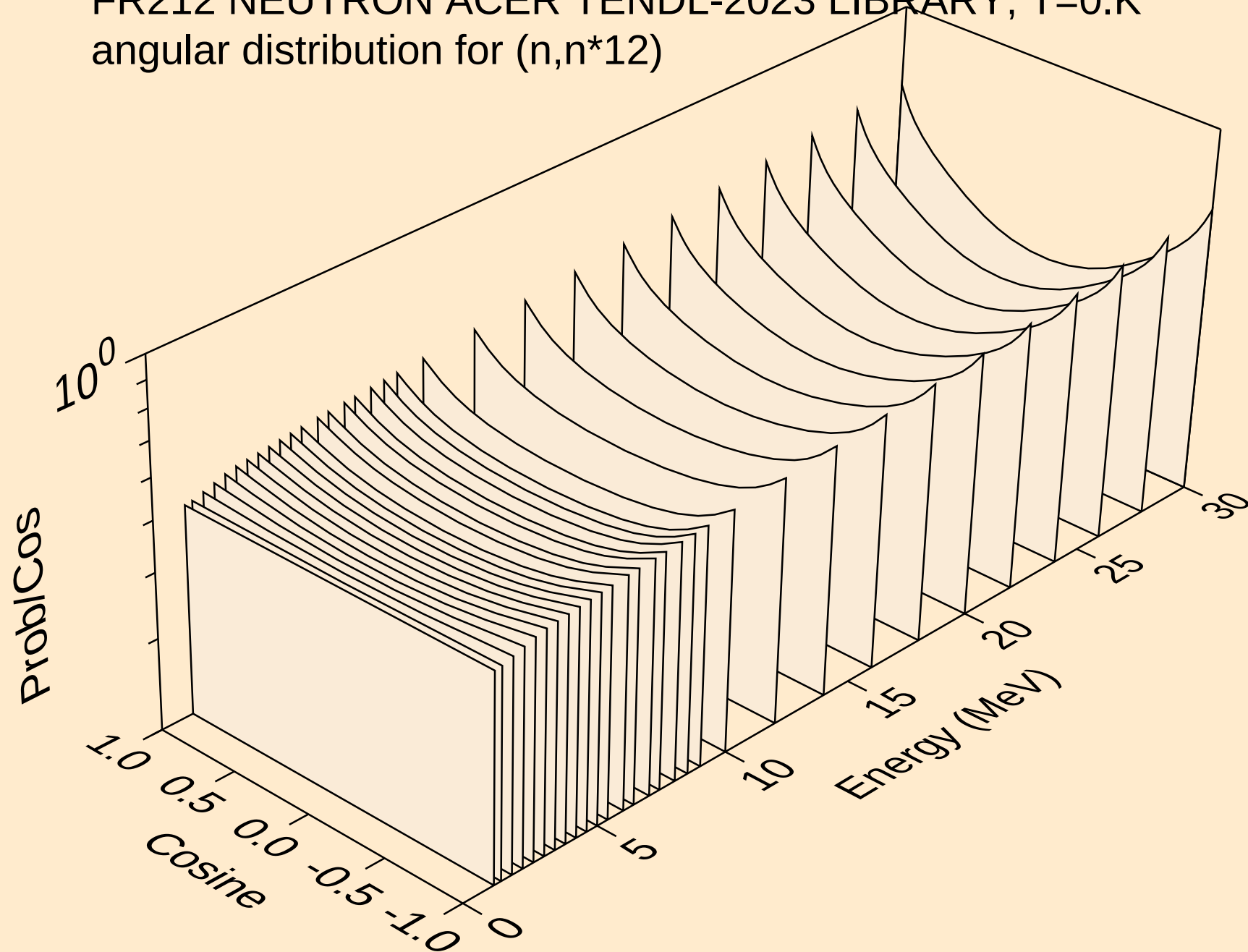
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*10)



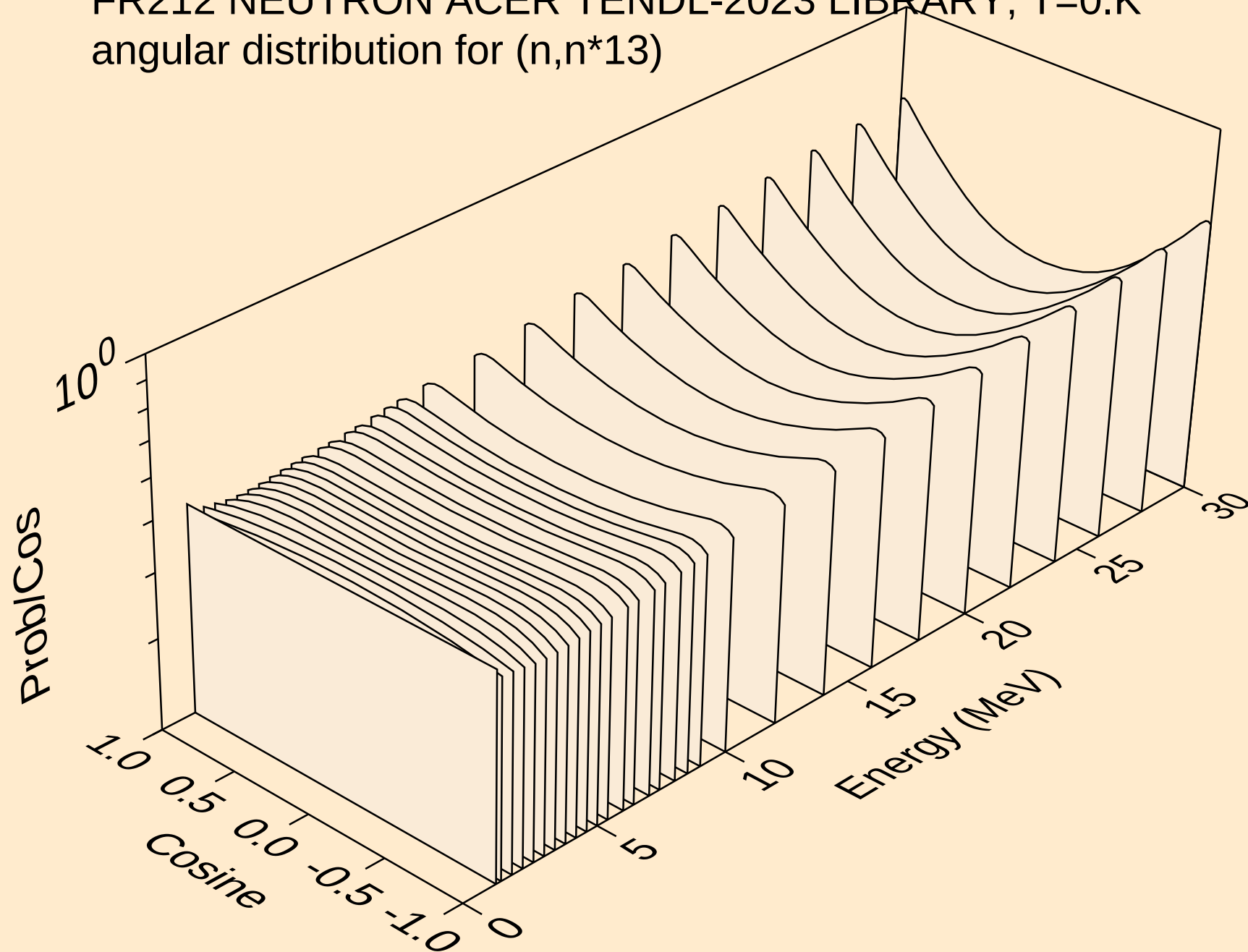
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*11)



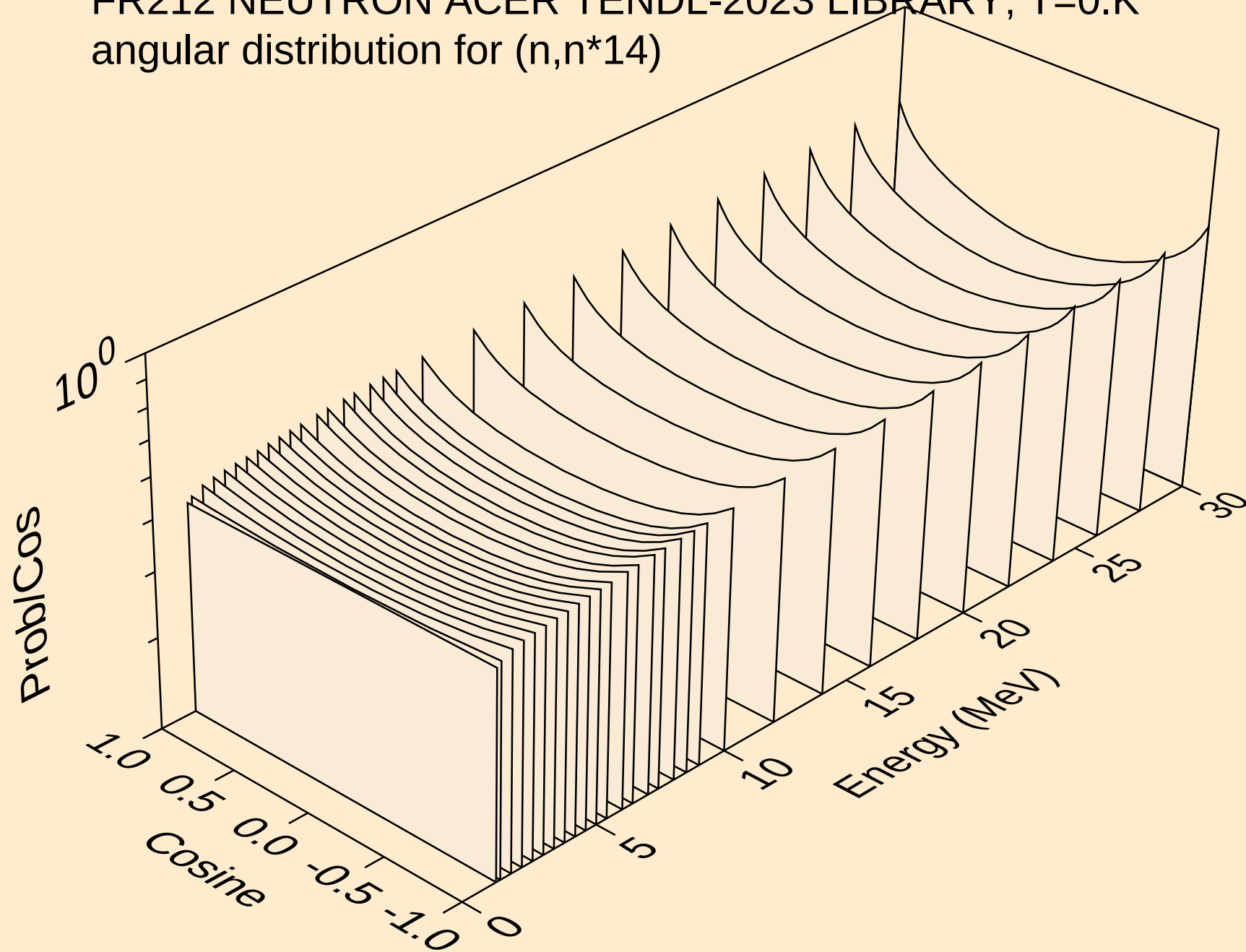
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*12)



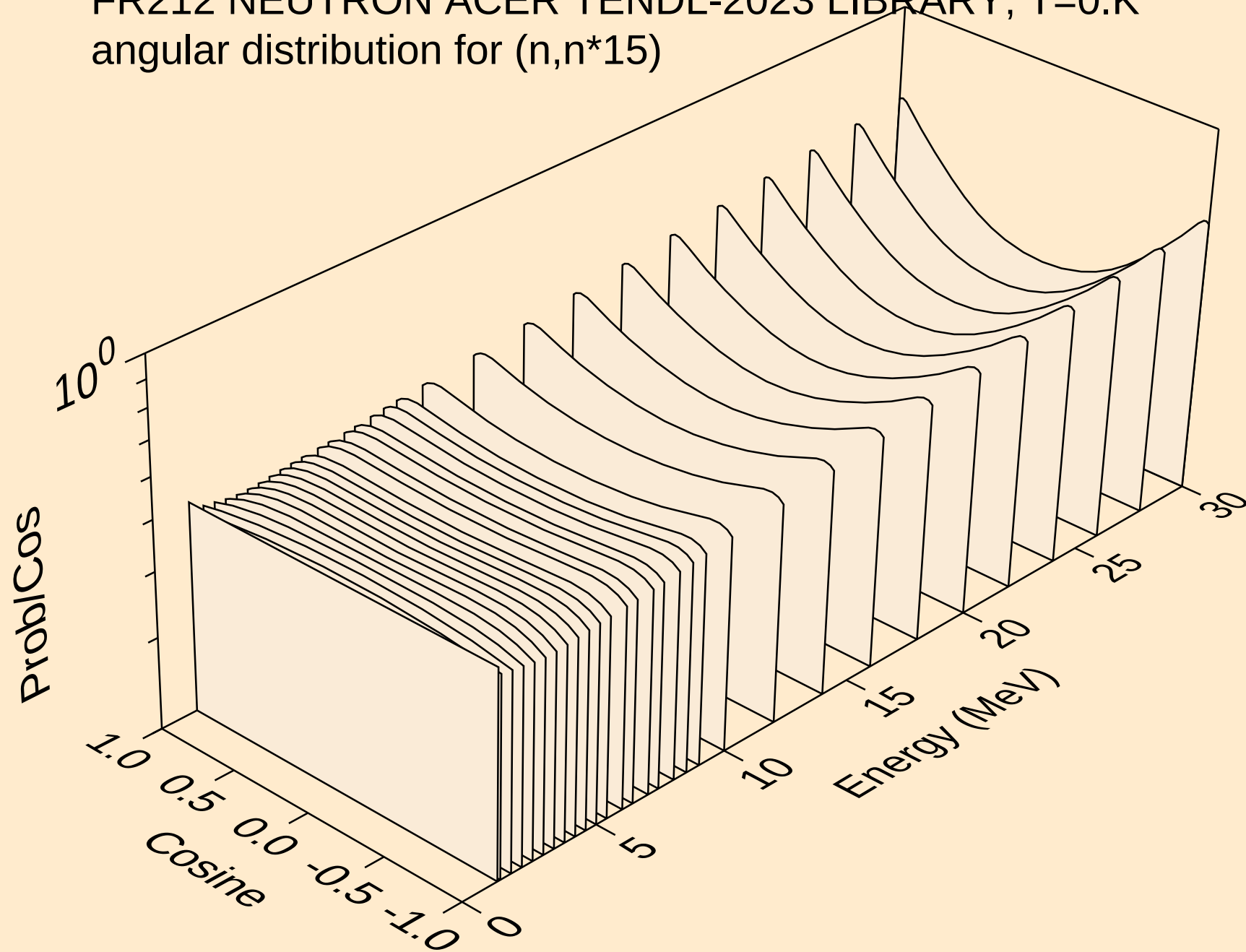
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*13)



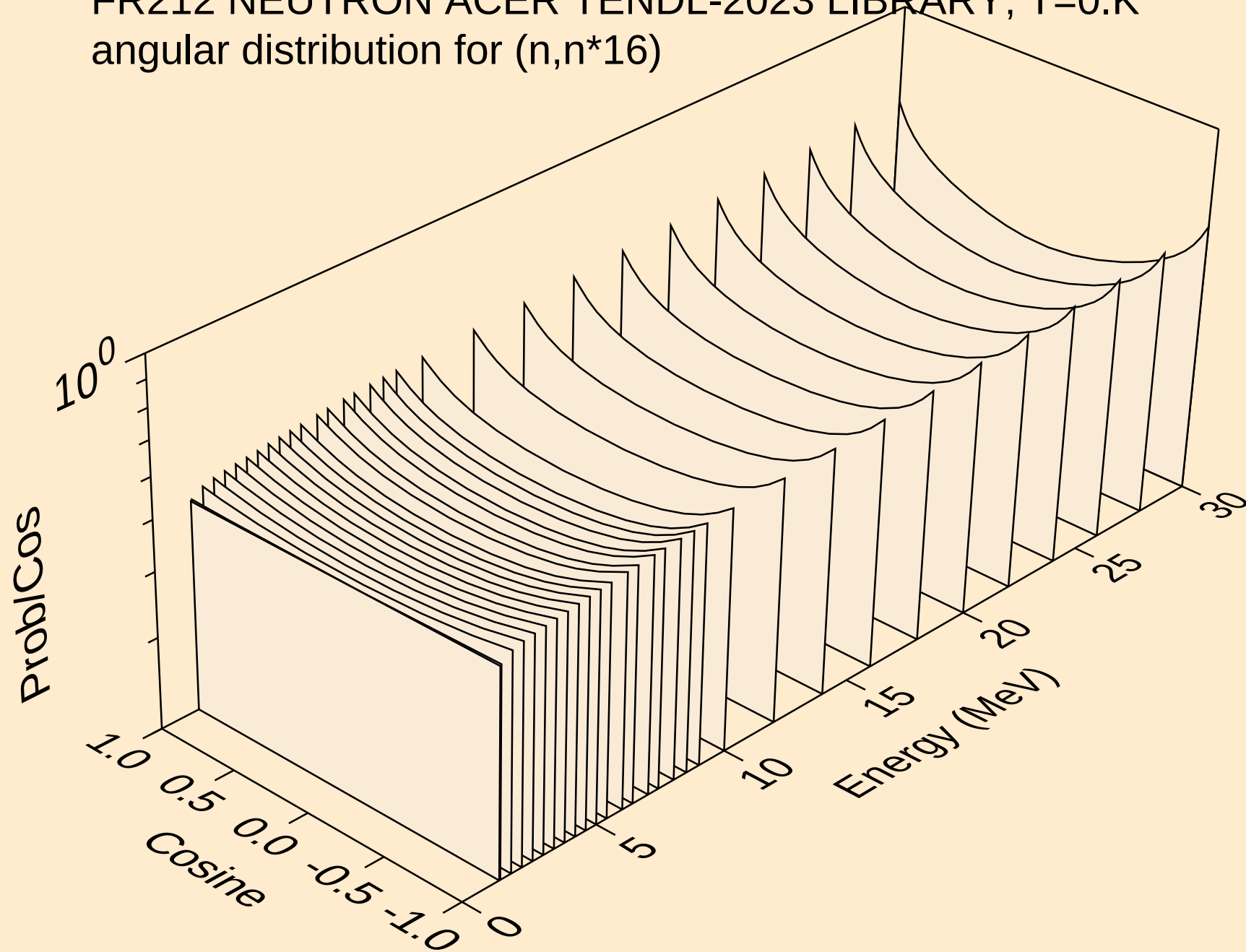
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*14)



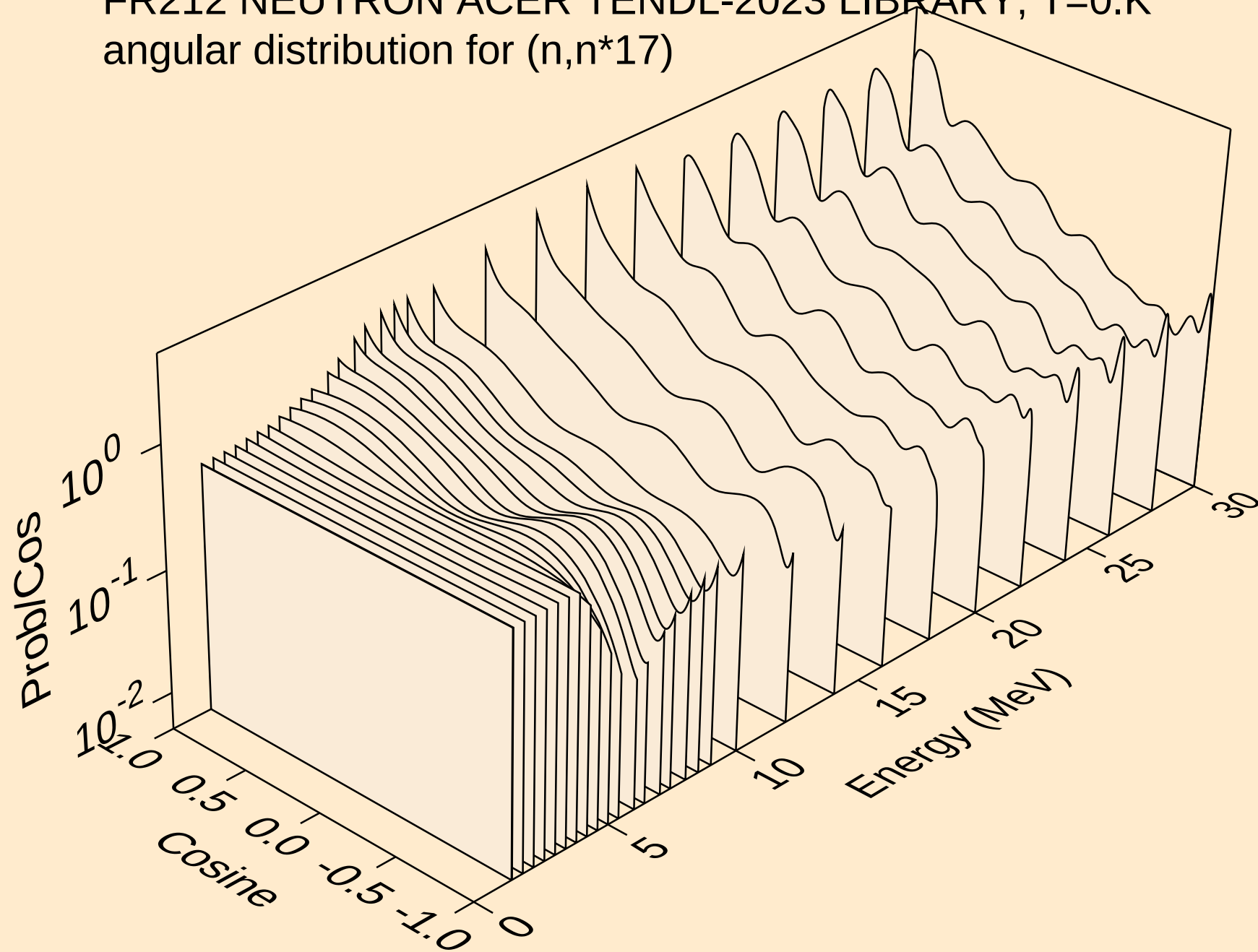
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*15)



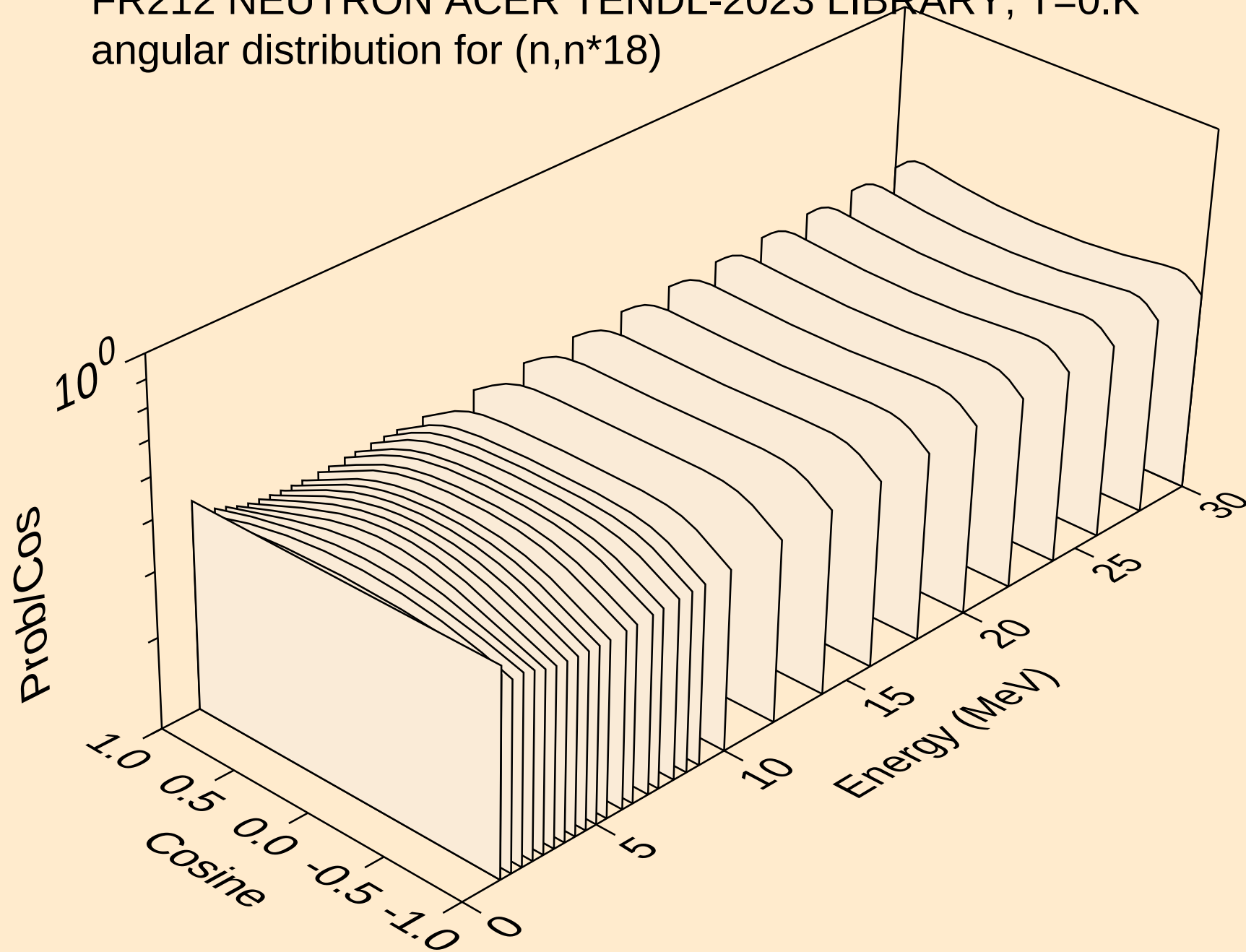
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*16)



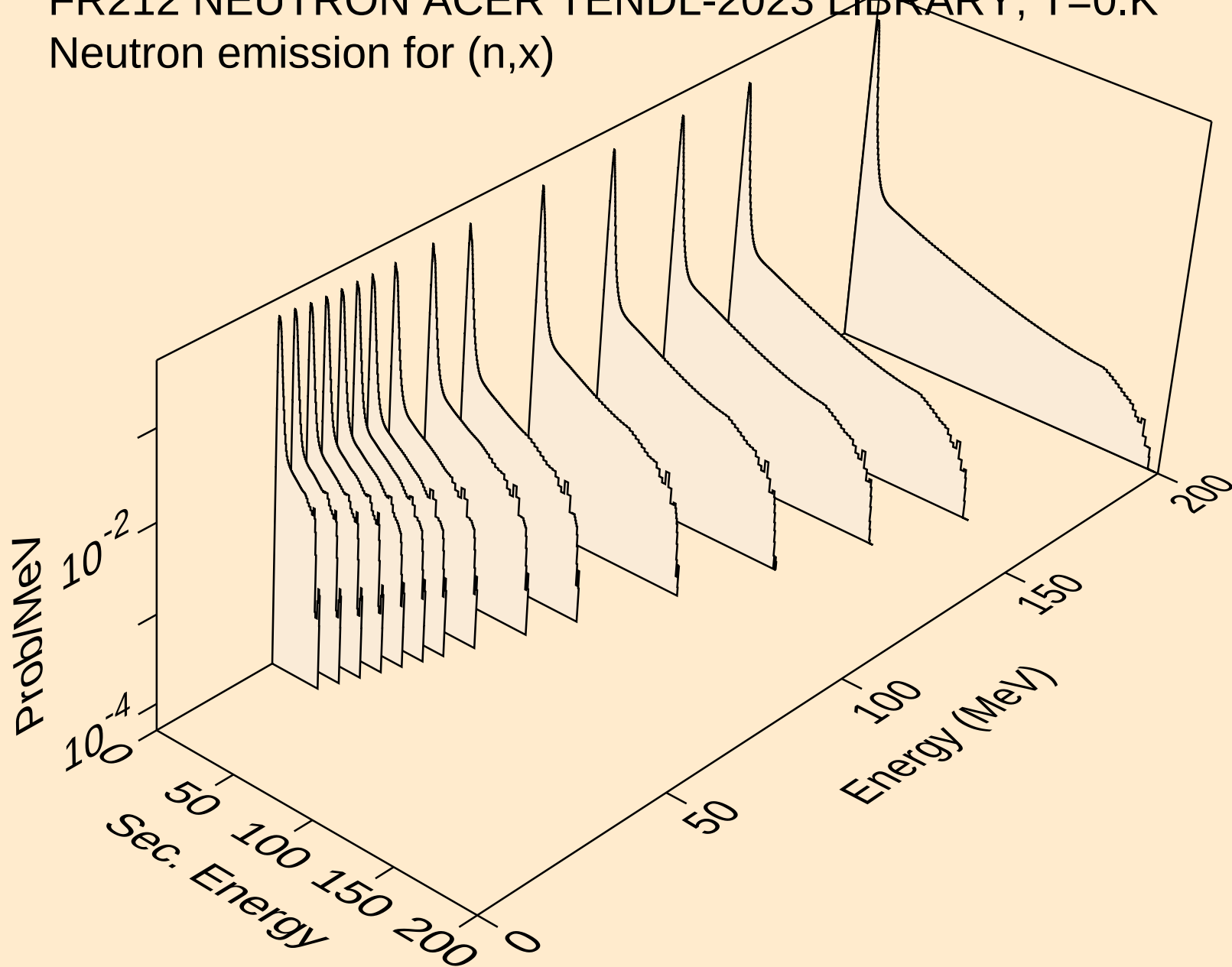
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*17)



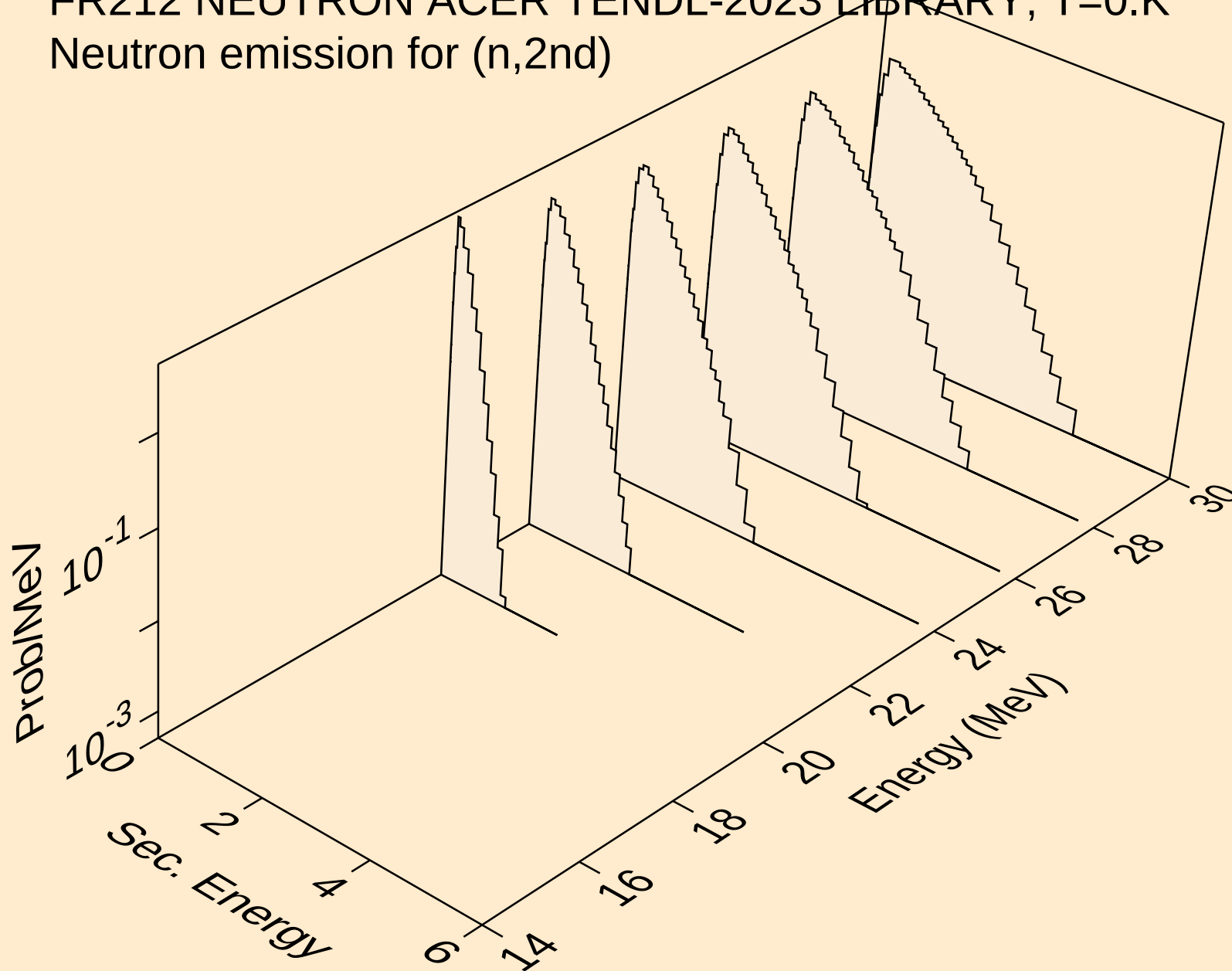
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*18)



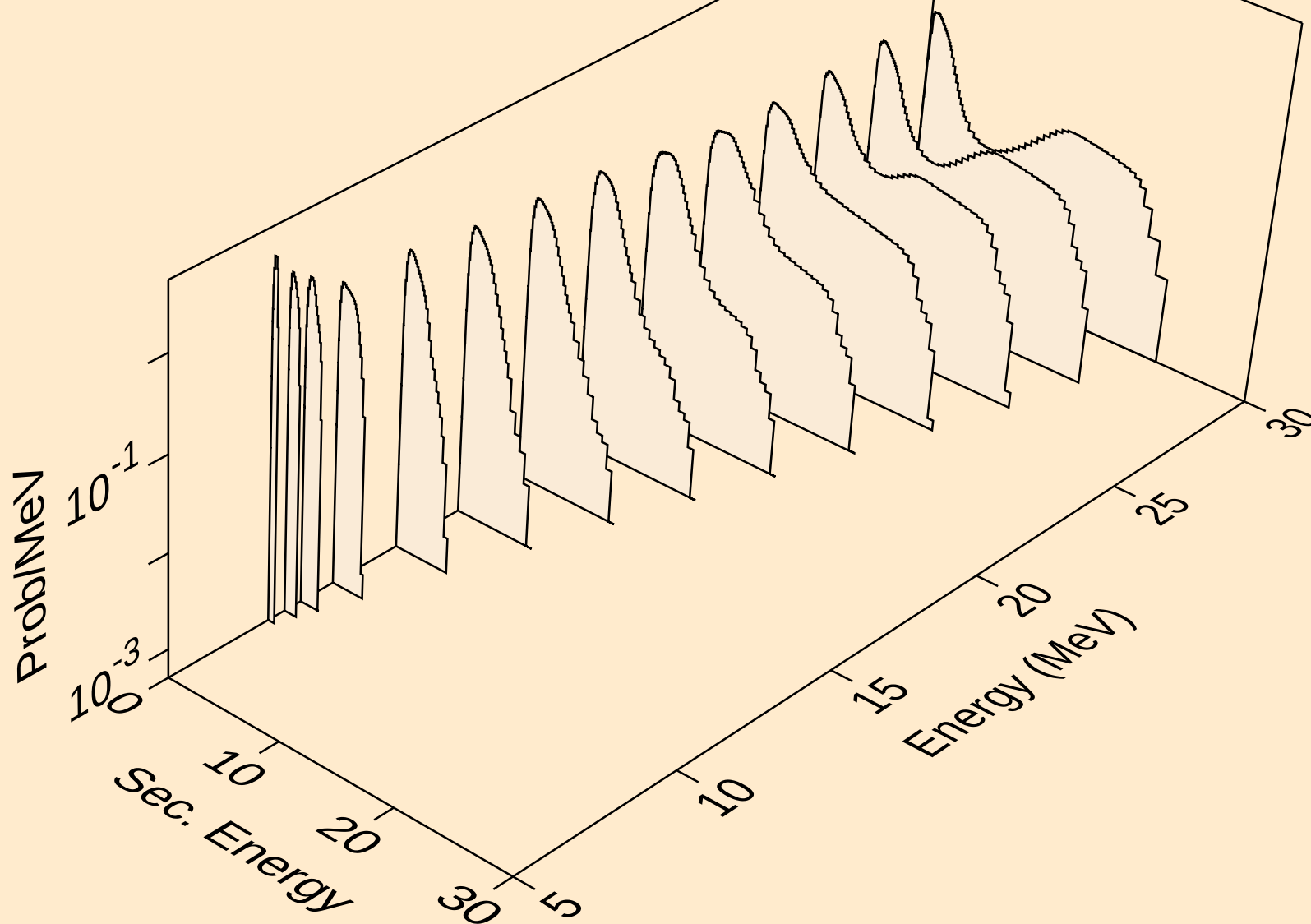
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,x)



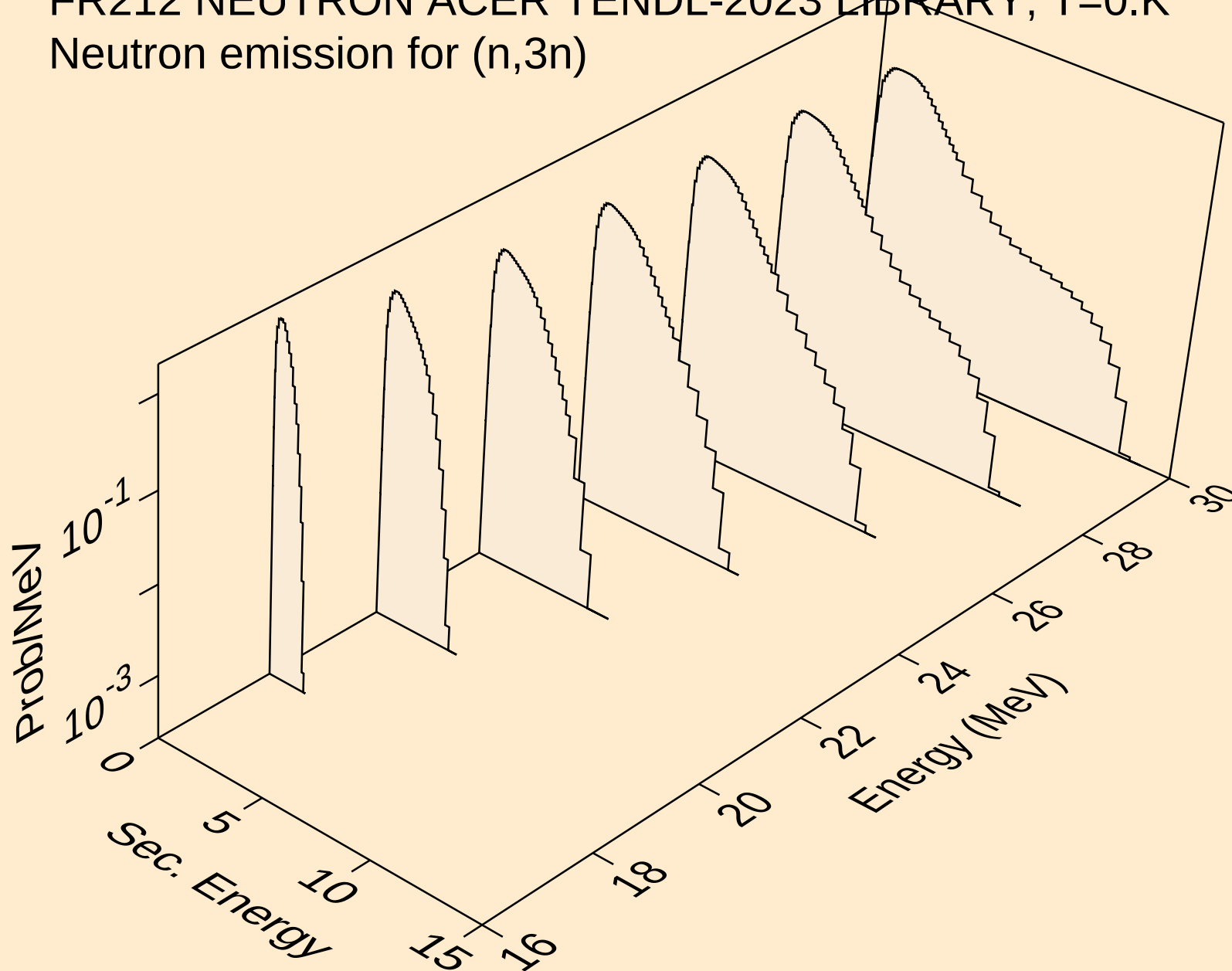
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)

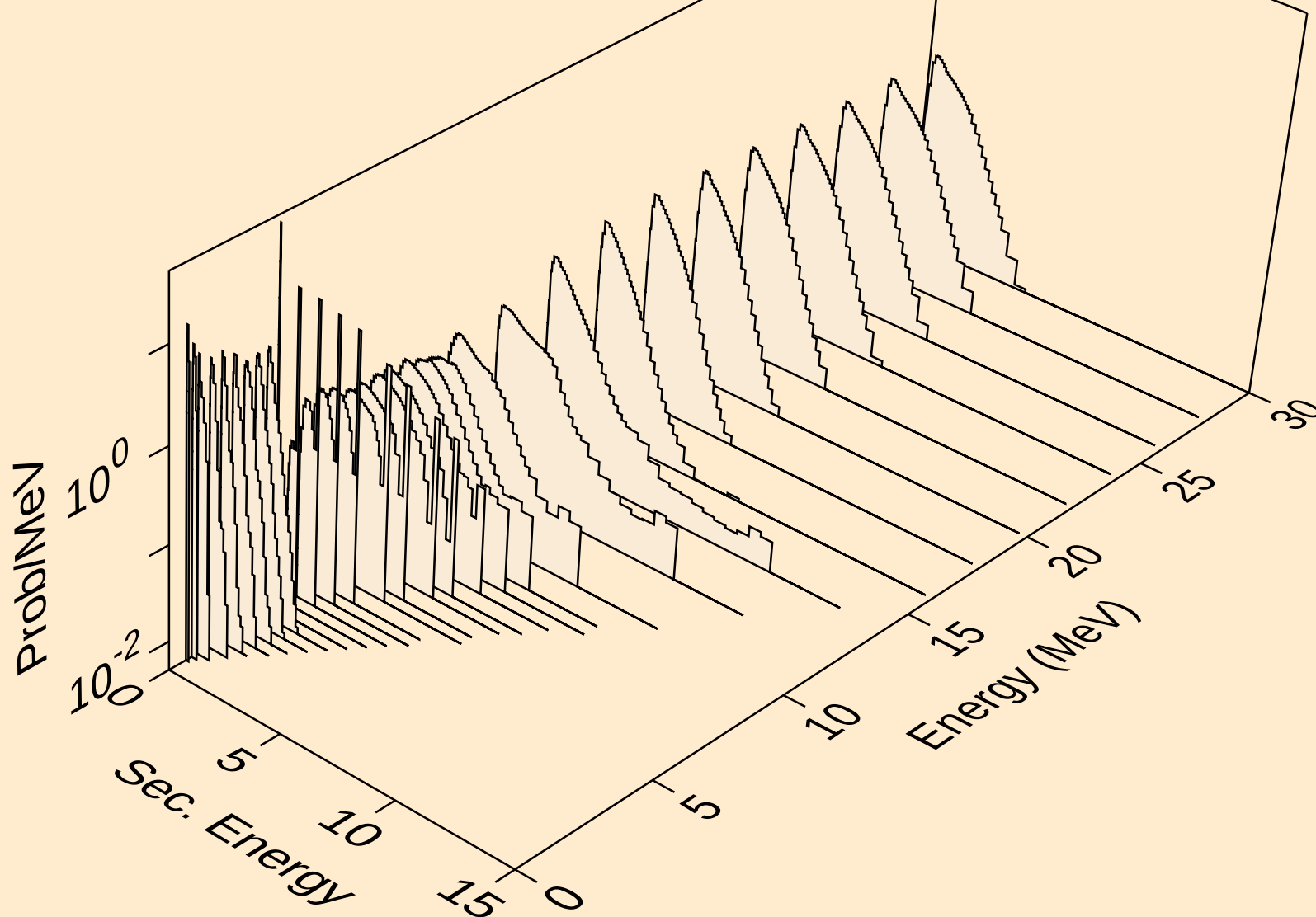


FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)

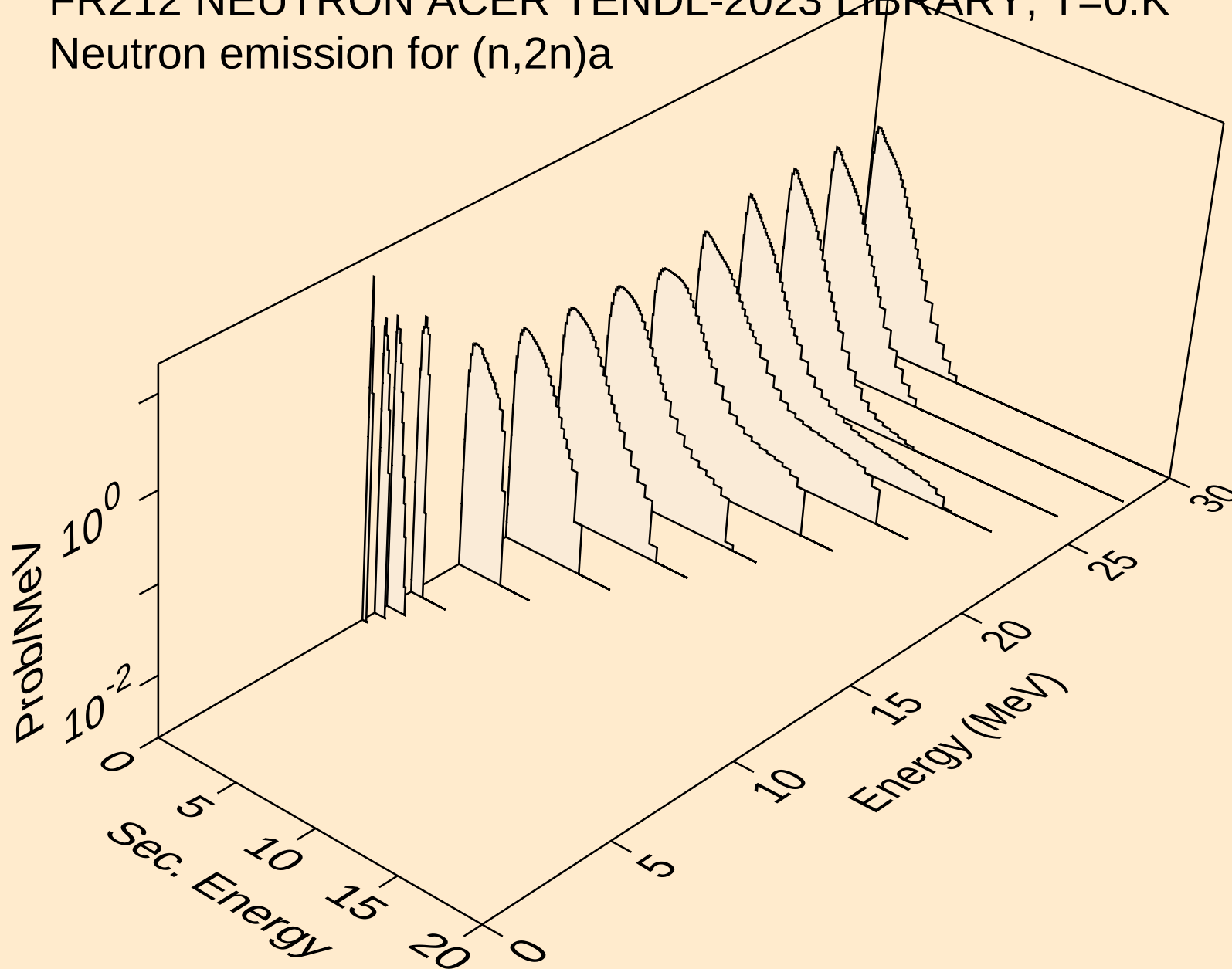


FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Neutron emission for (n,n\*)a

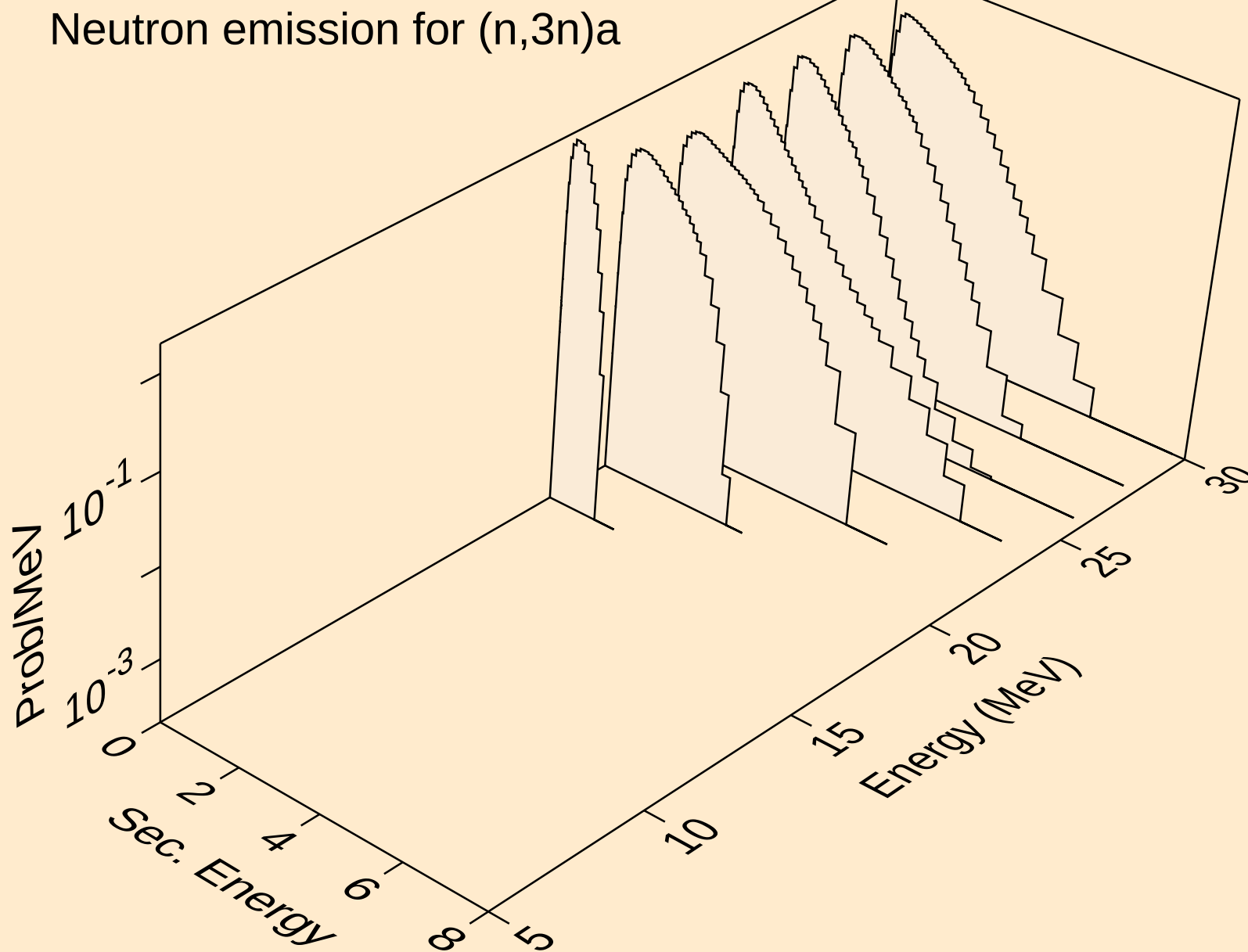


FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)a

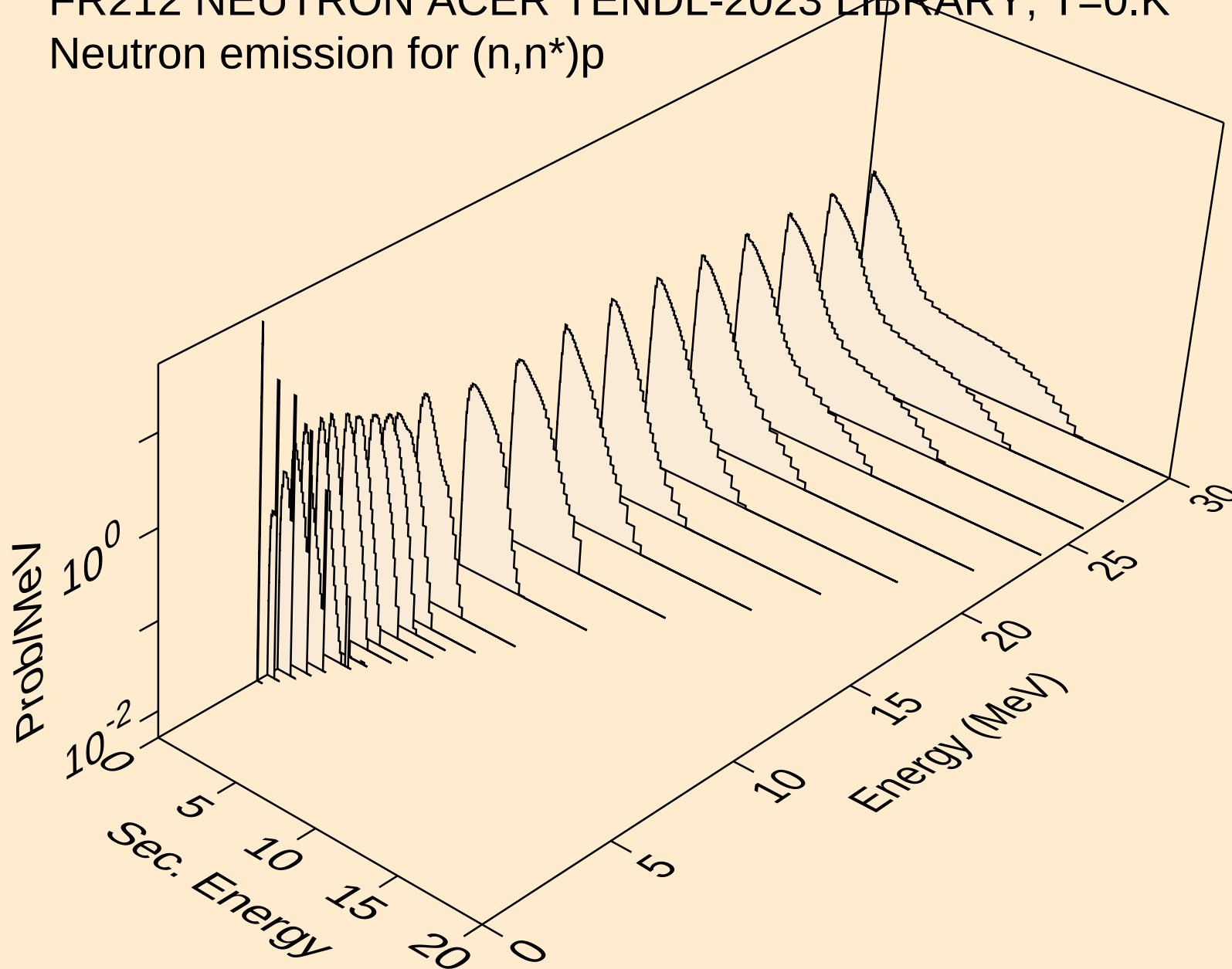


FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

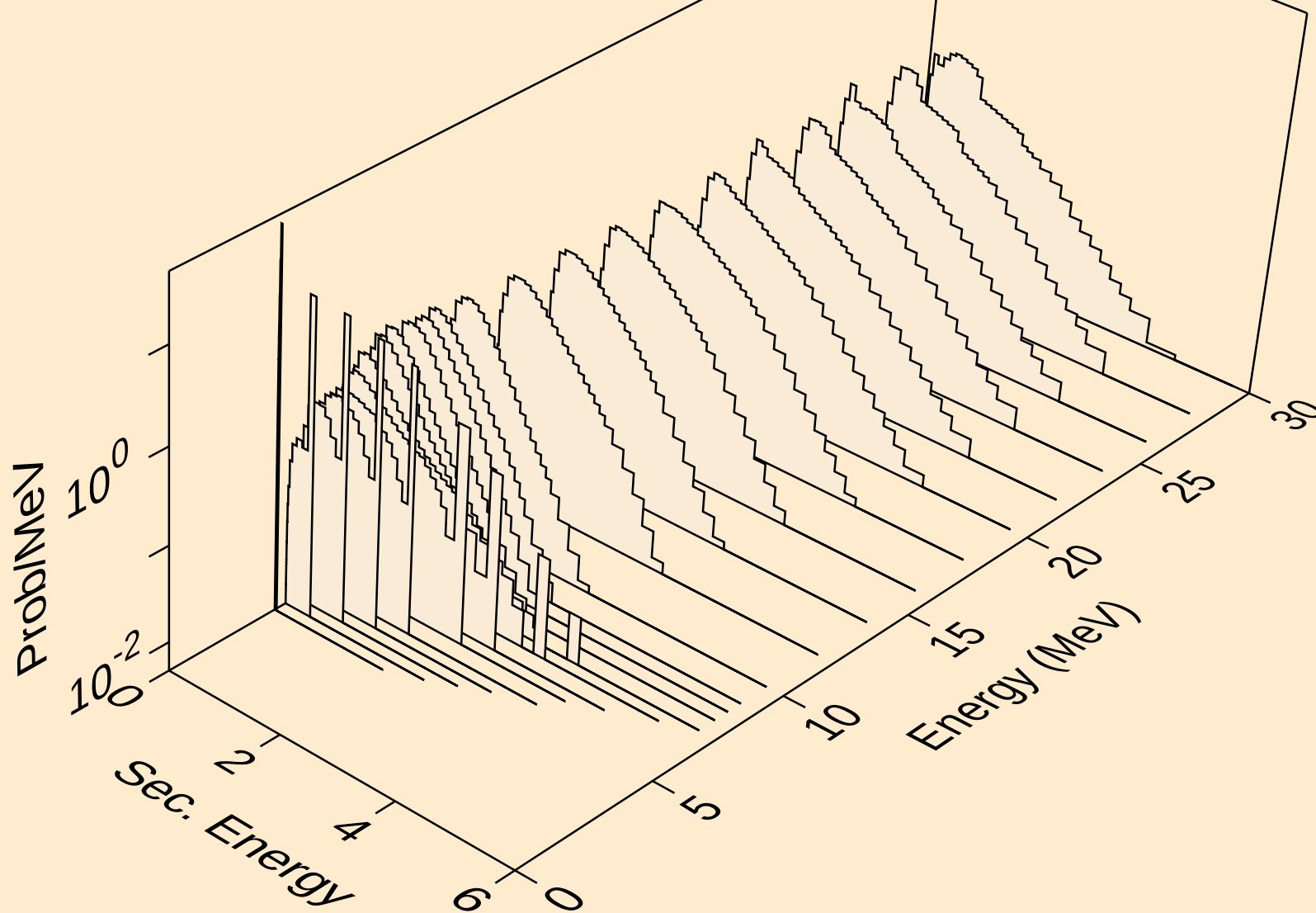
Neutron emission for (n,3n)a



FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p

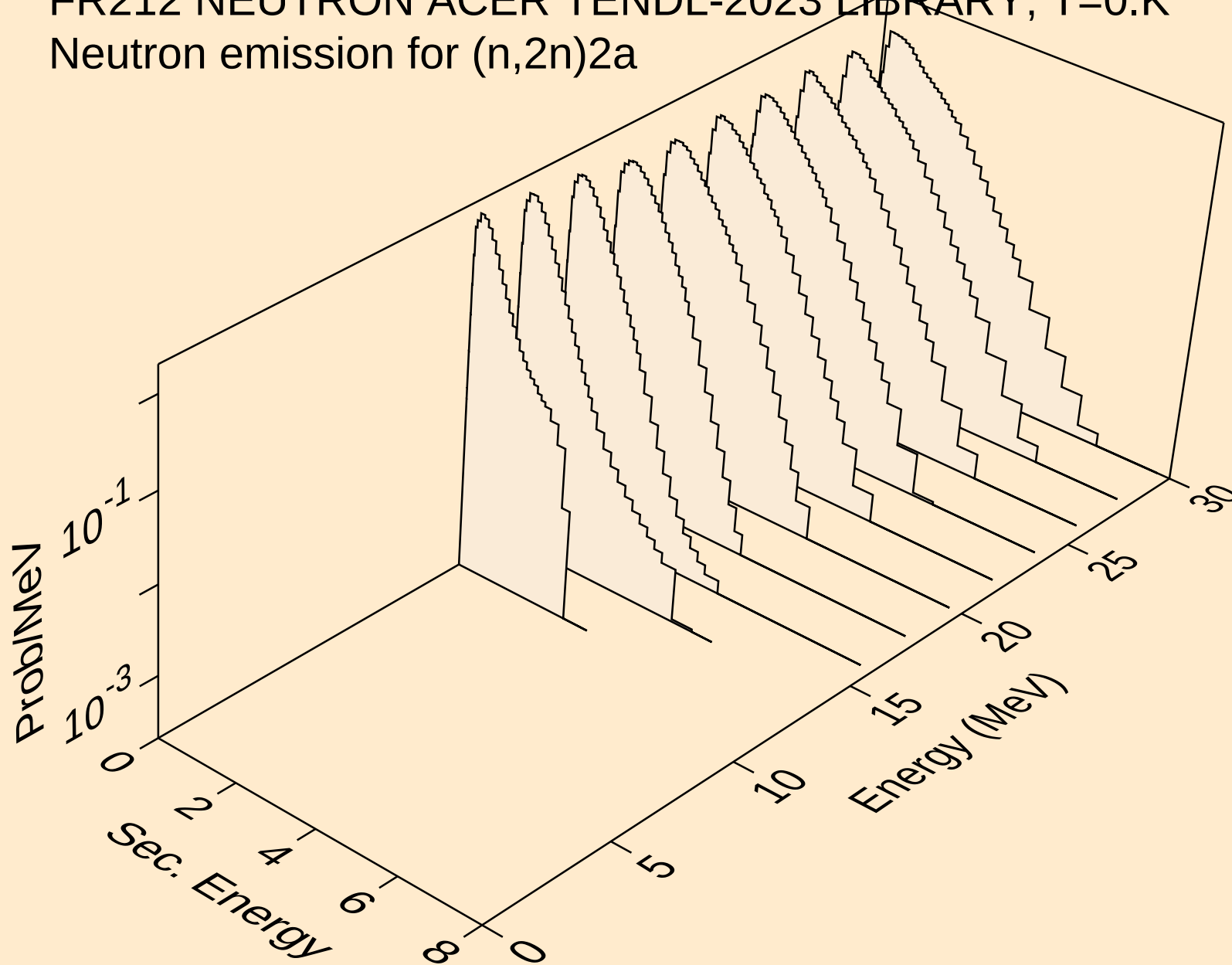


FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)2a

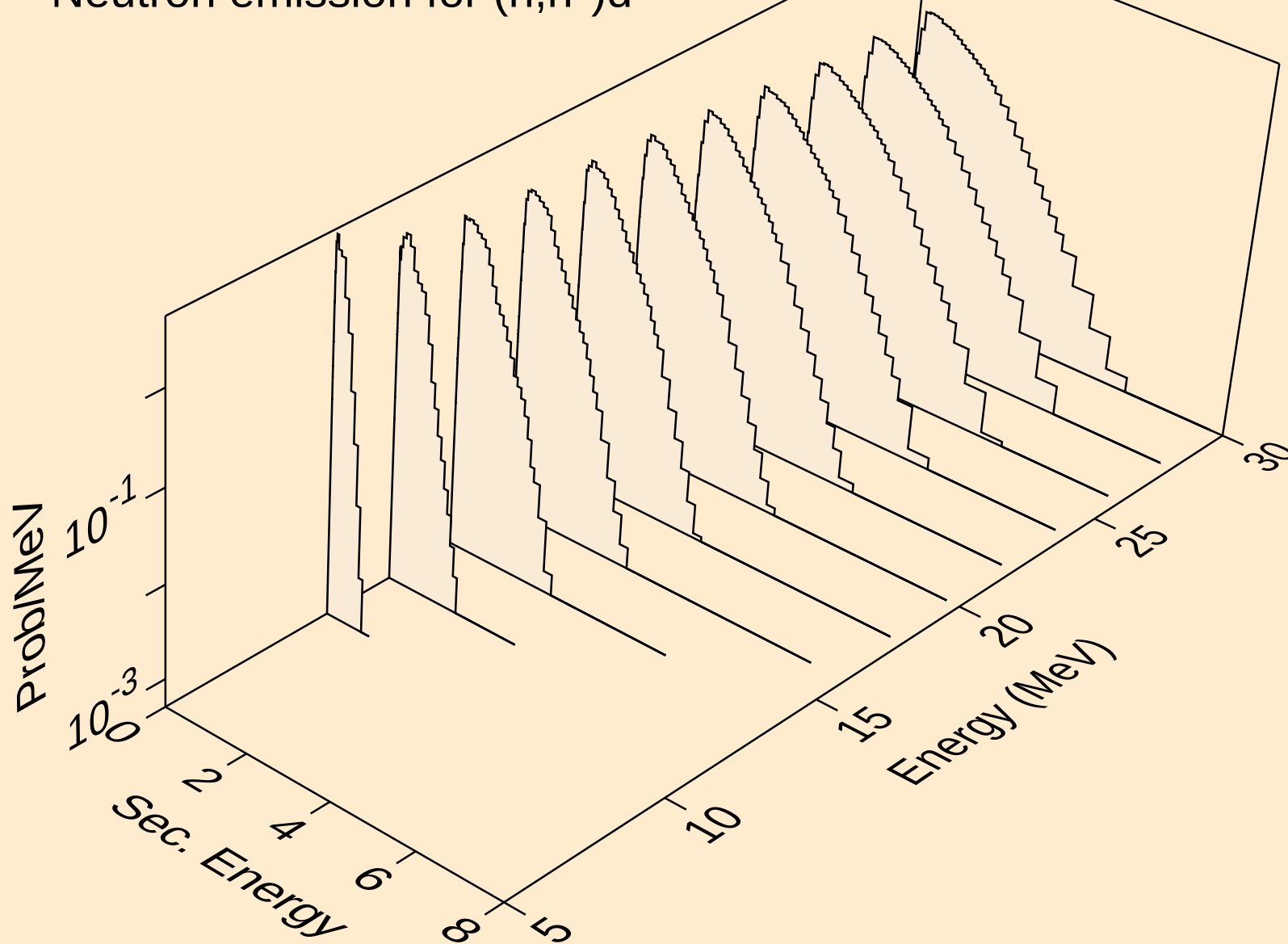


FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Neutron emission for (n,2n)2a

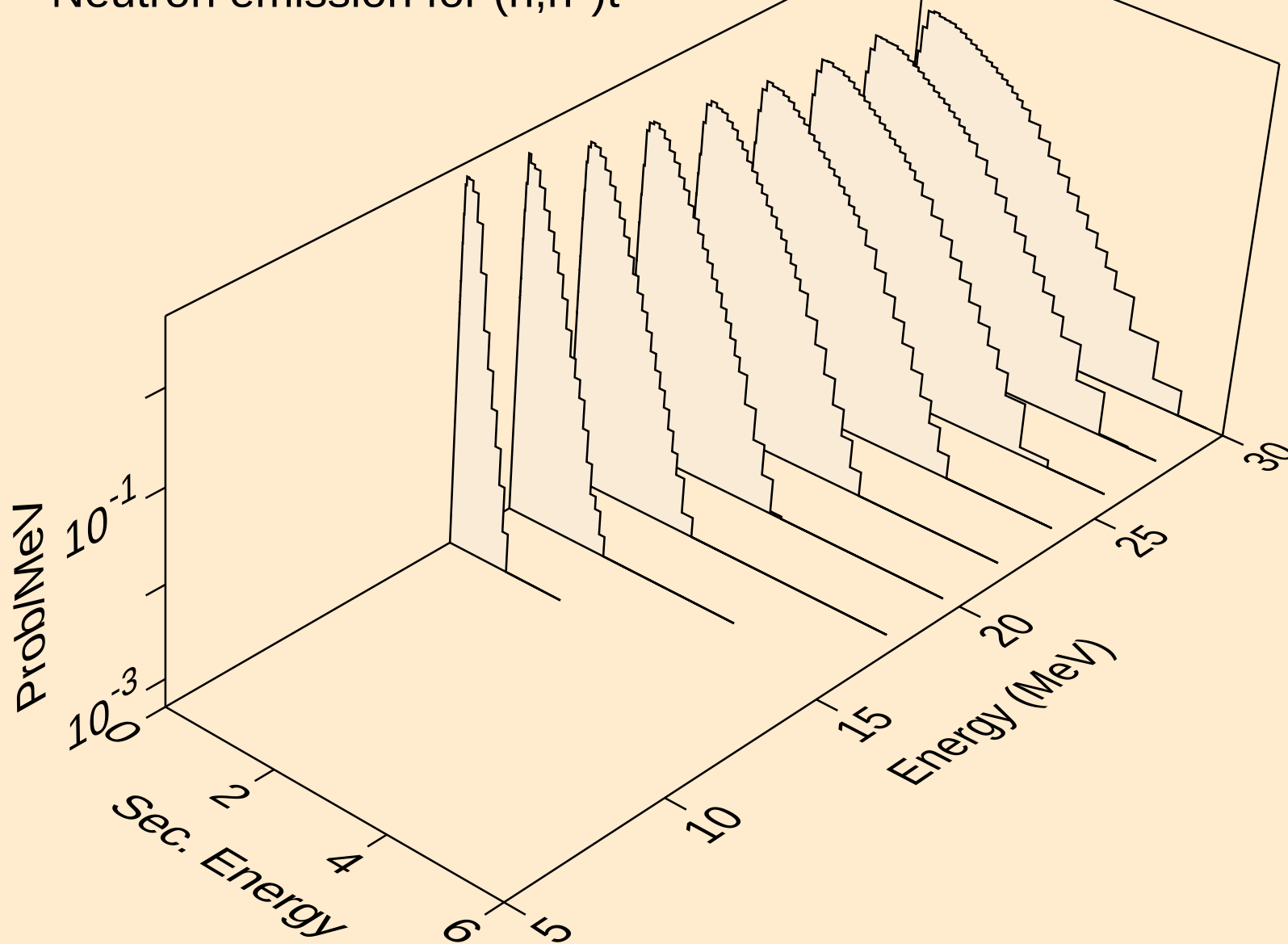


FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d

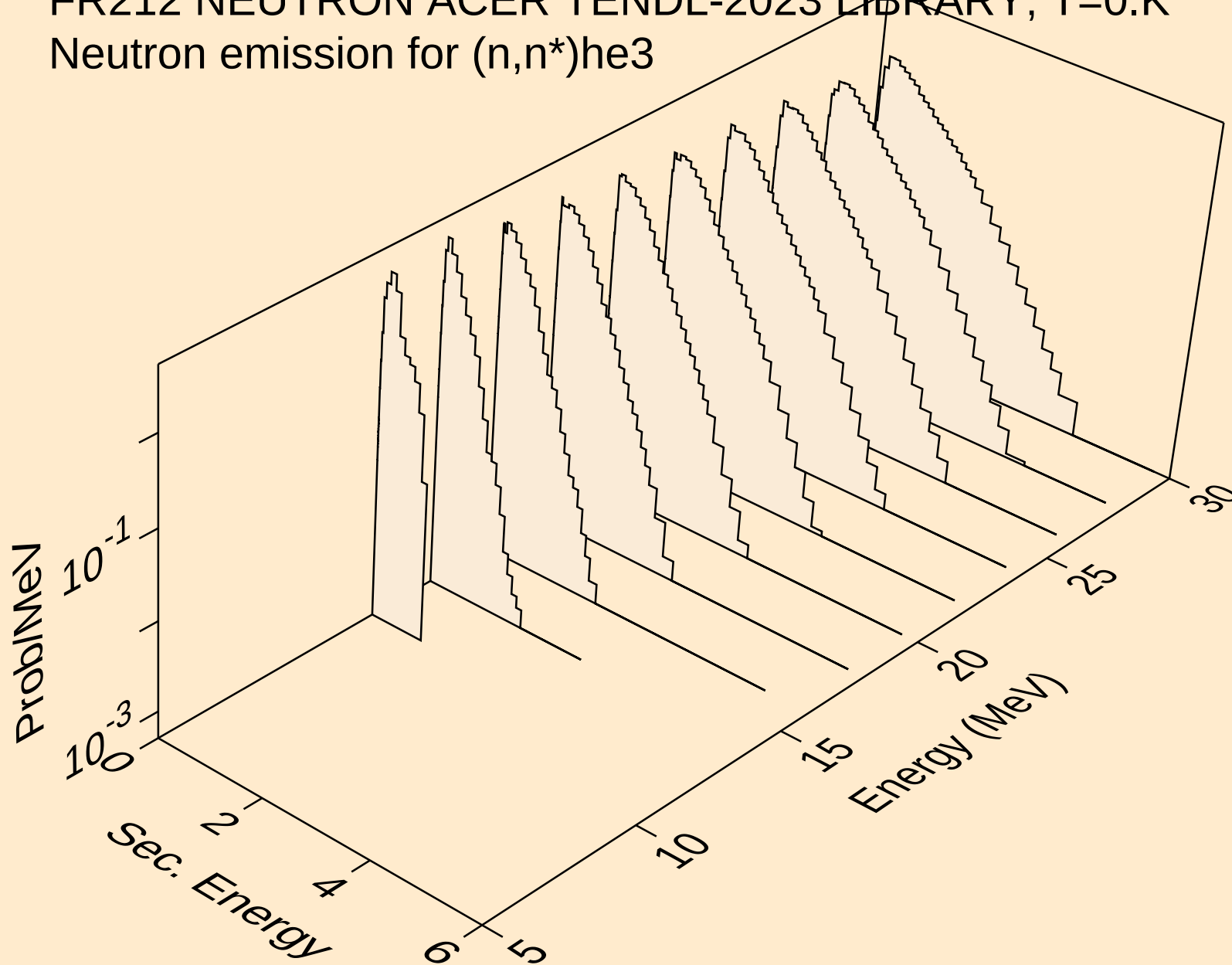


FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

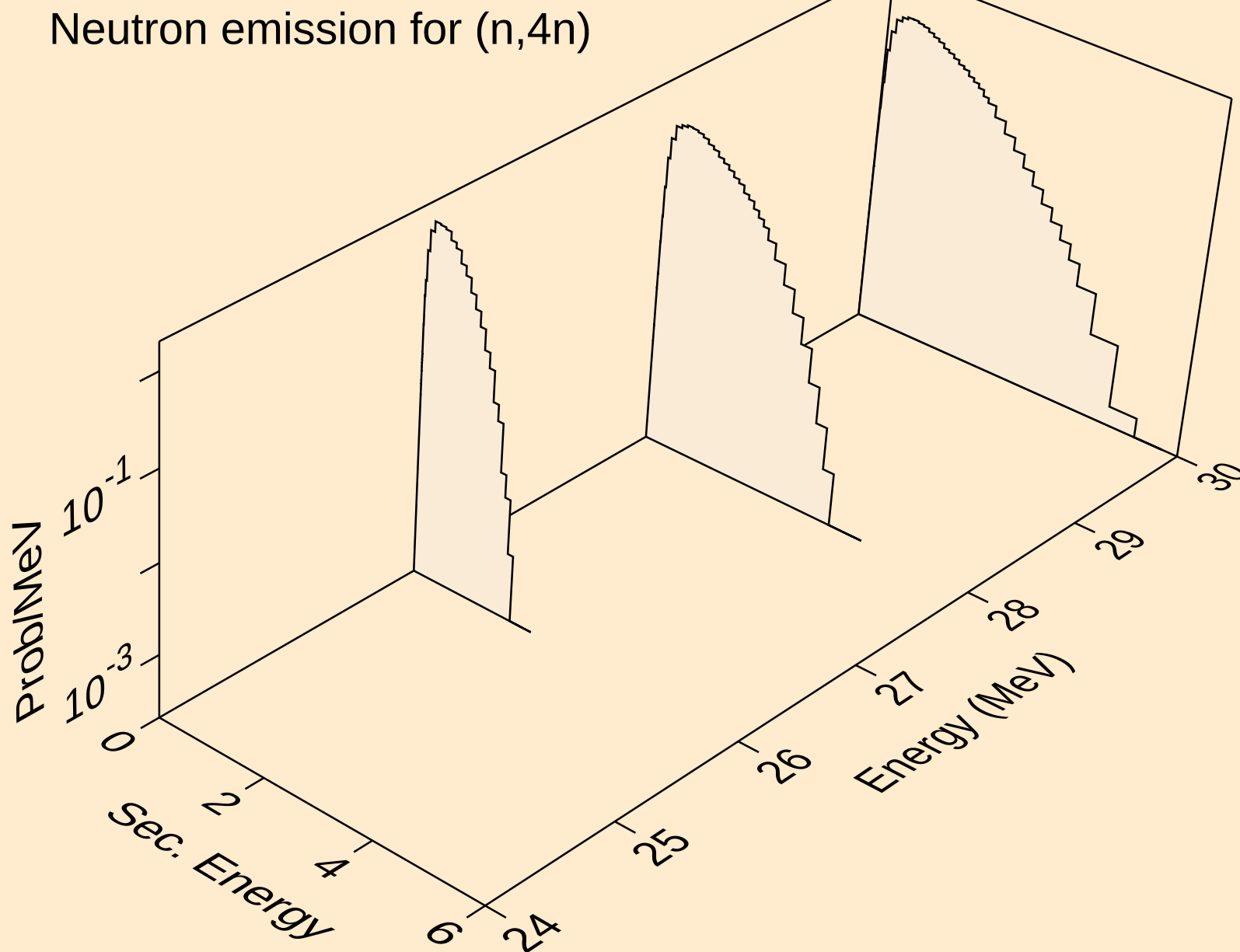
Neutron emission for (n,n\*)t



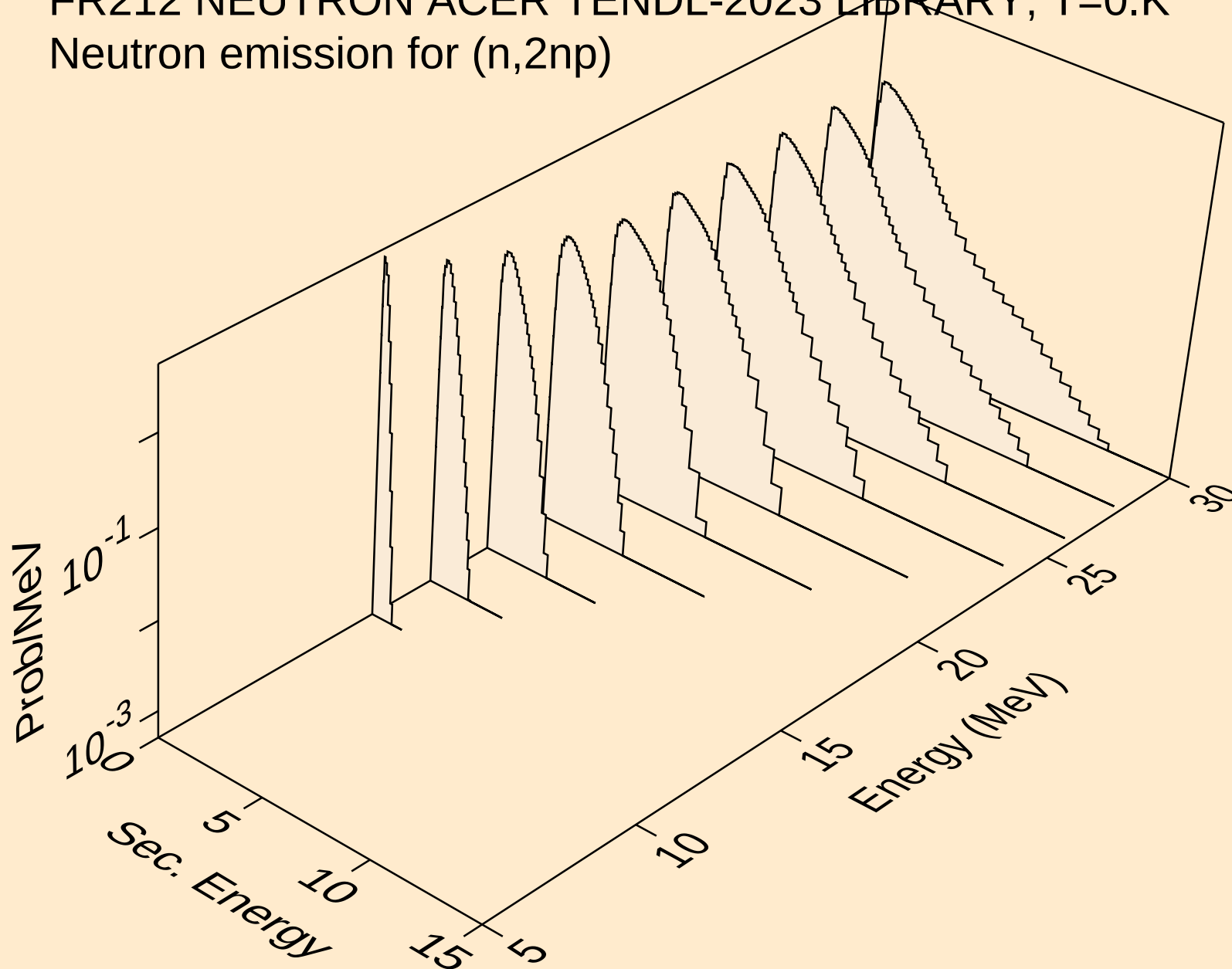
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



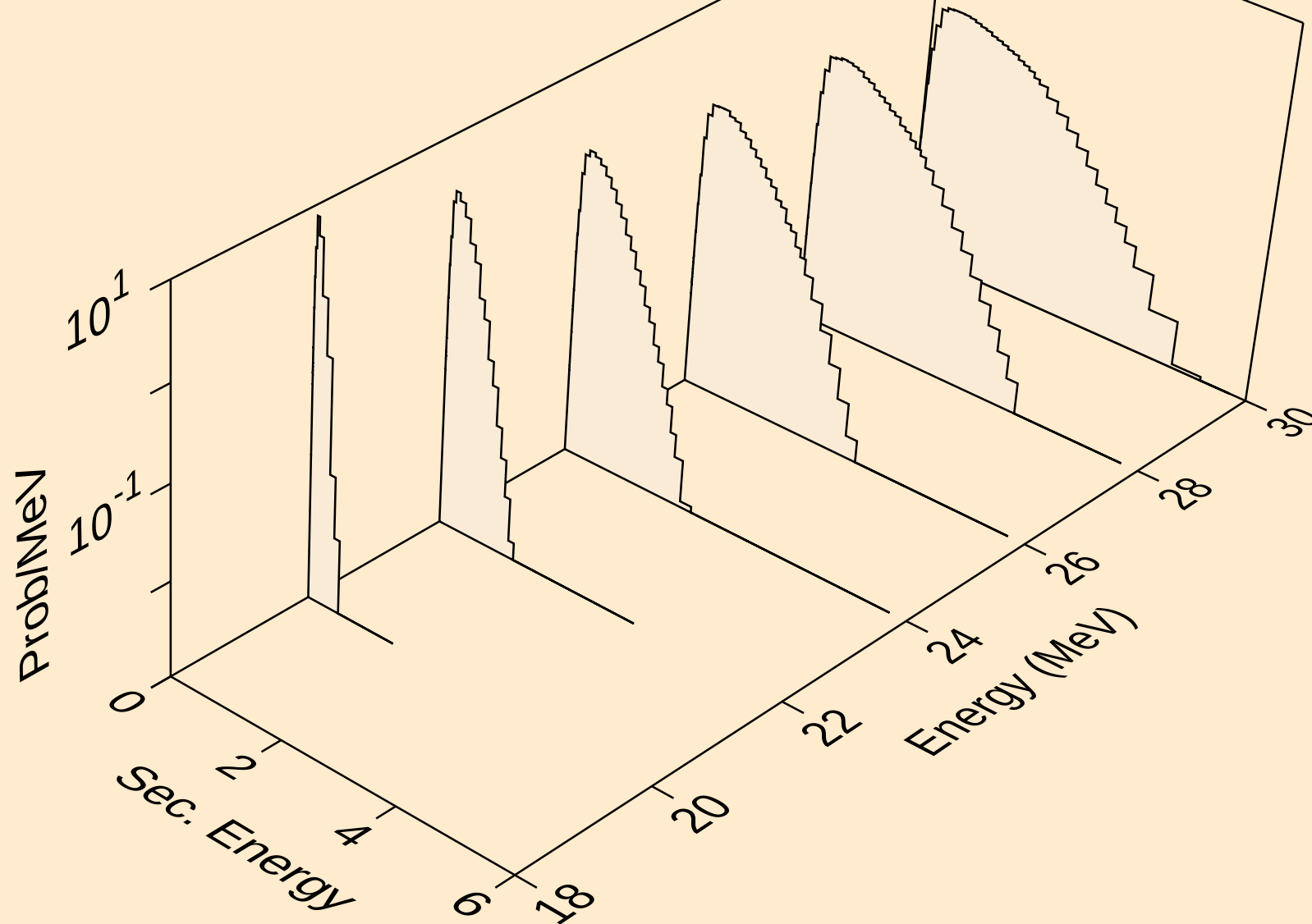
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,4n)



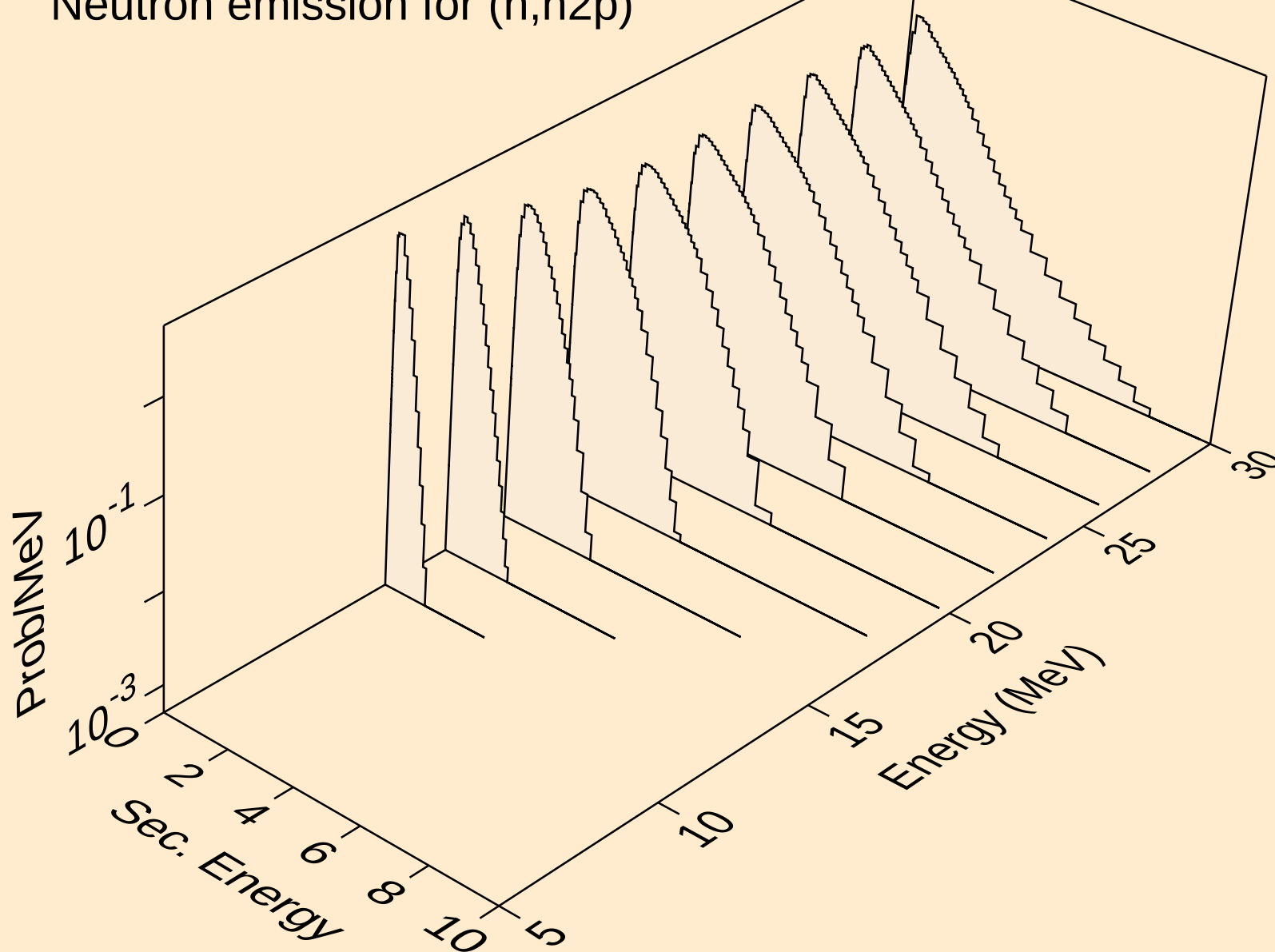
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2np)



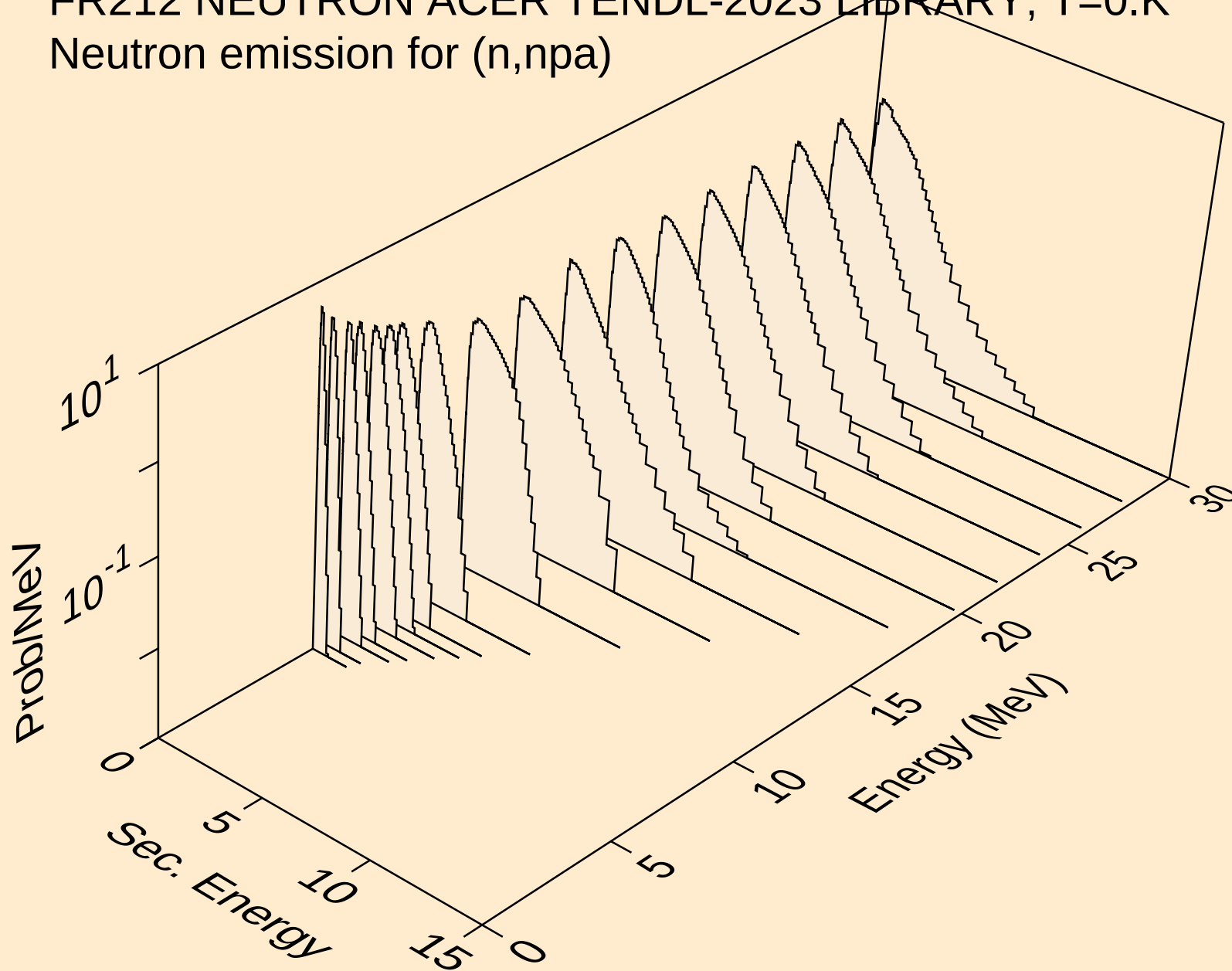
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3np)



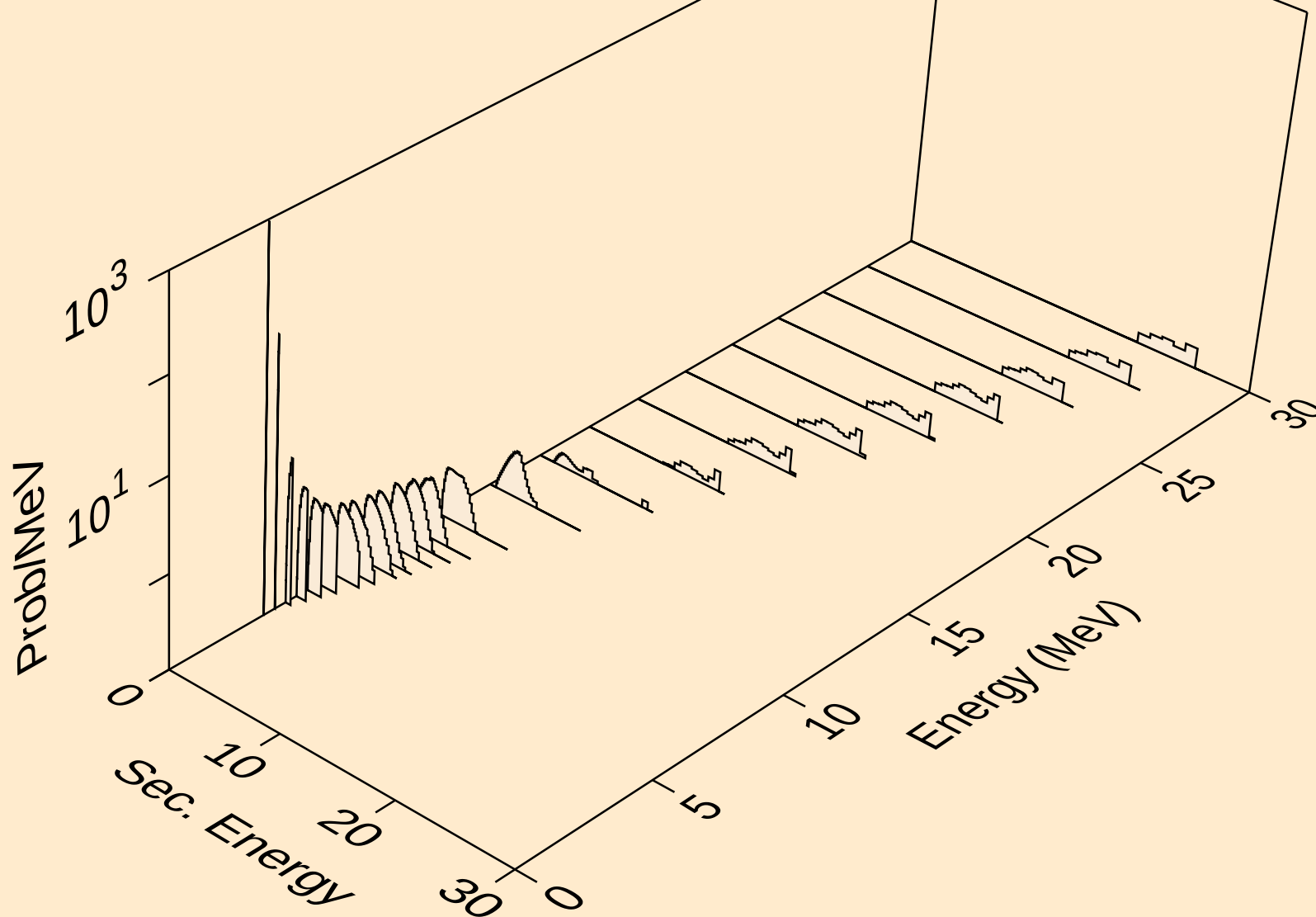
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n2p)



FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,npa)

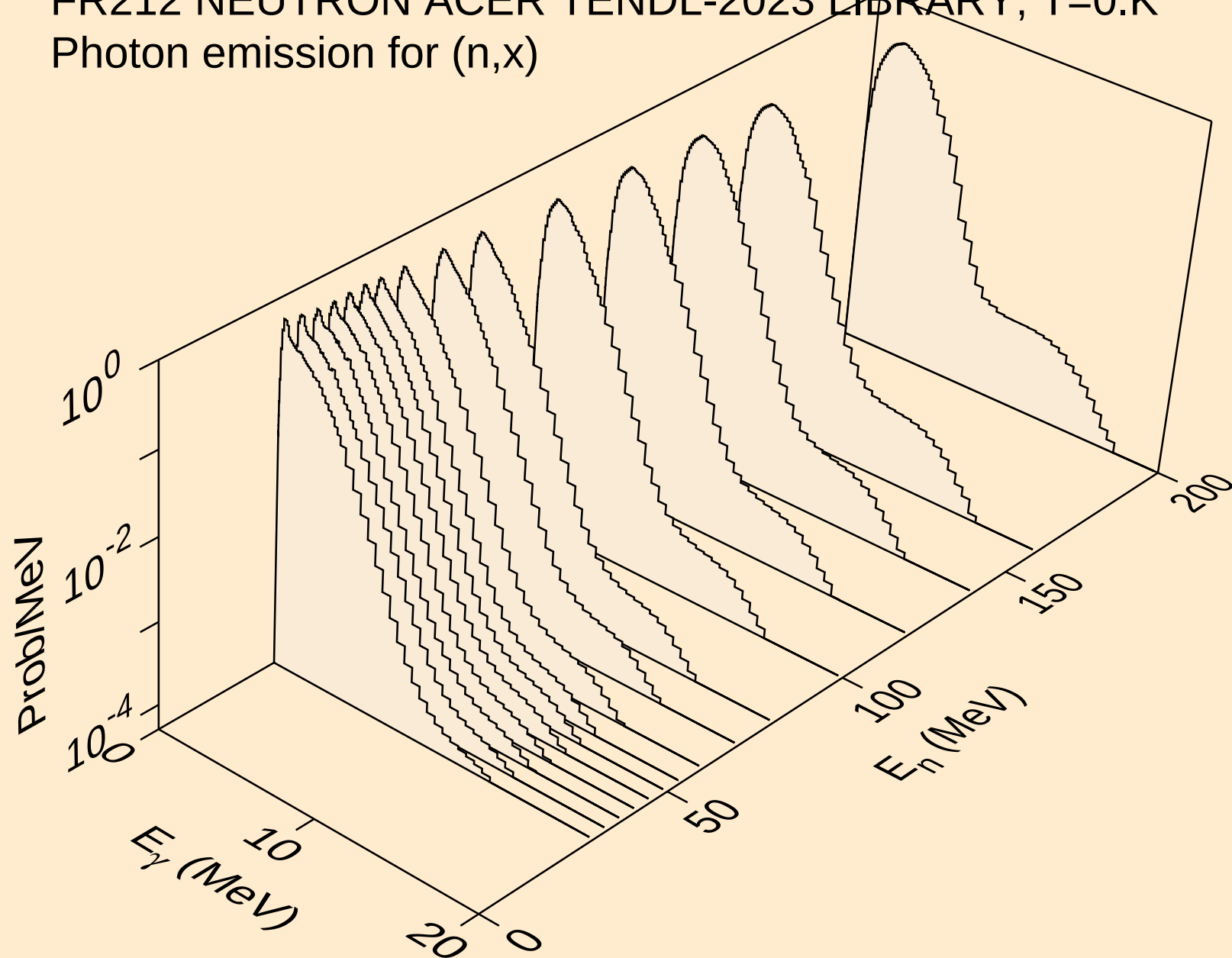


FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)

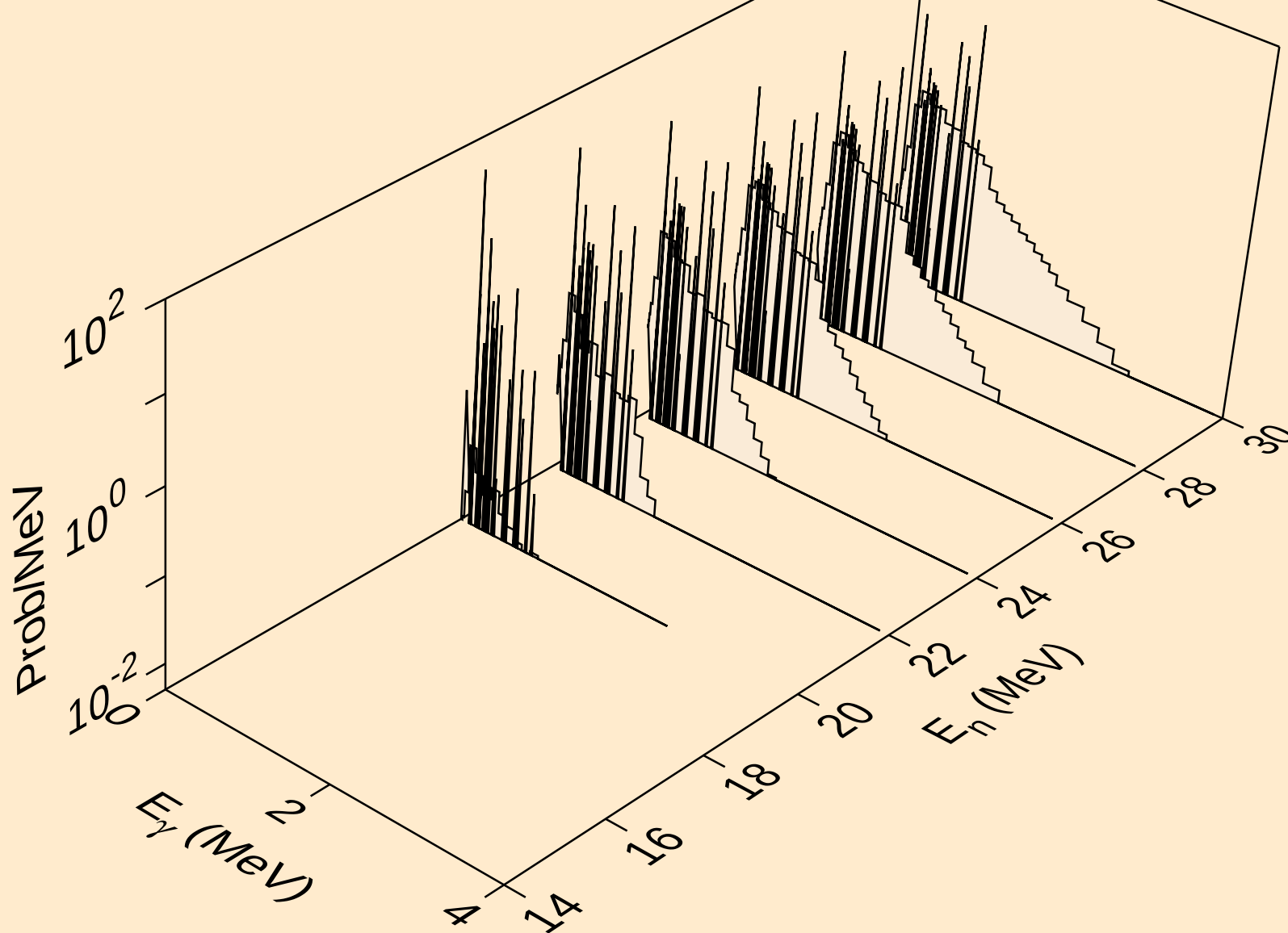


# FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

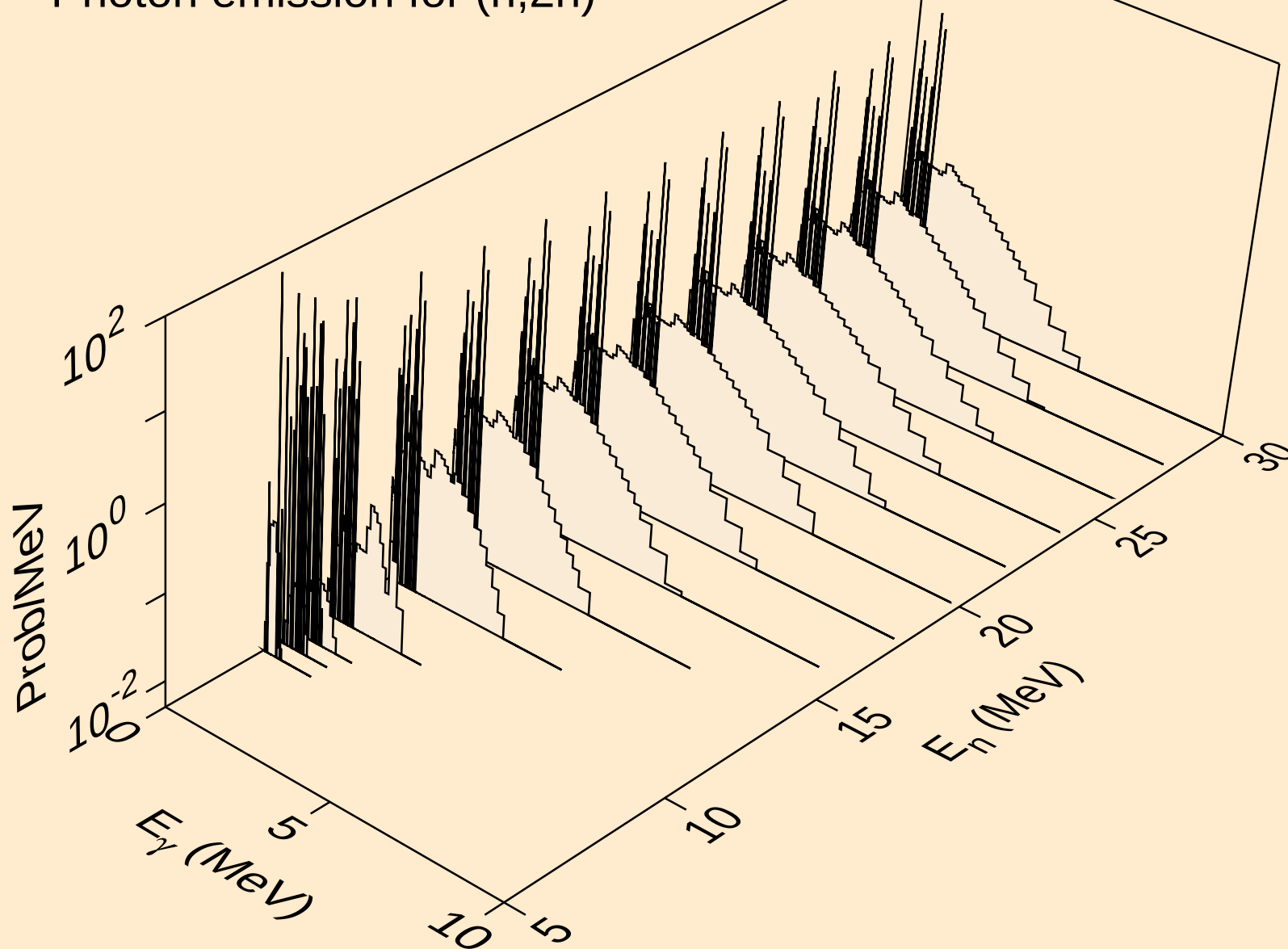
Photon emission for (n,x)



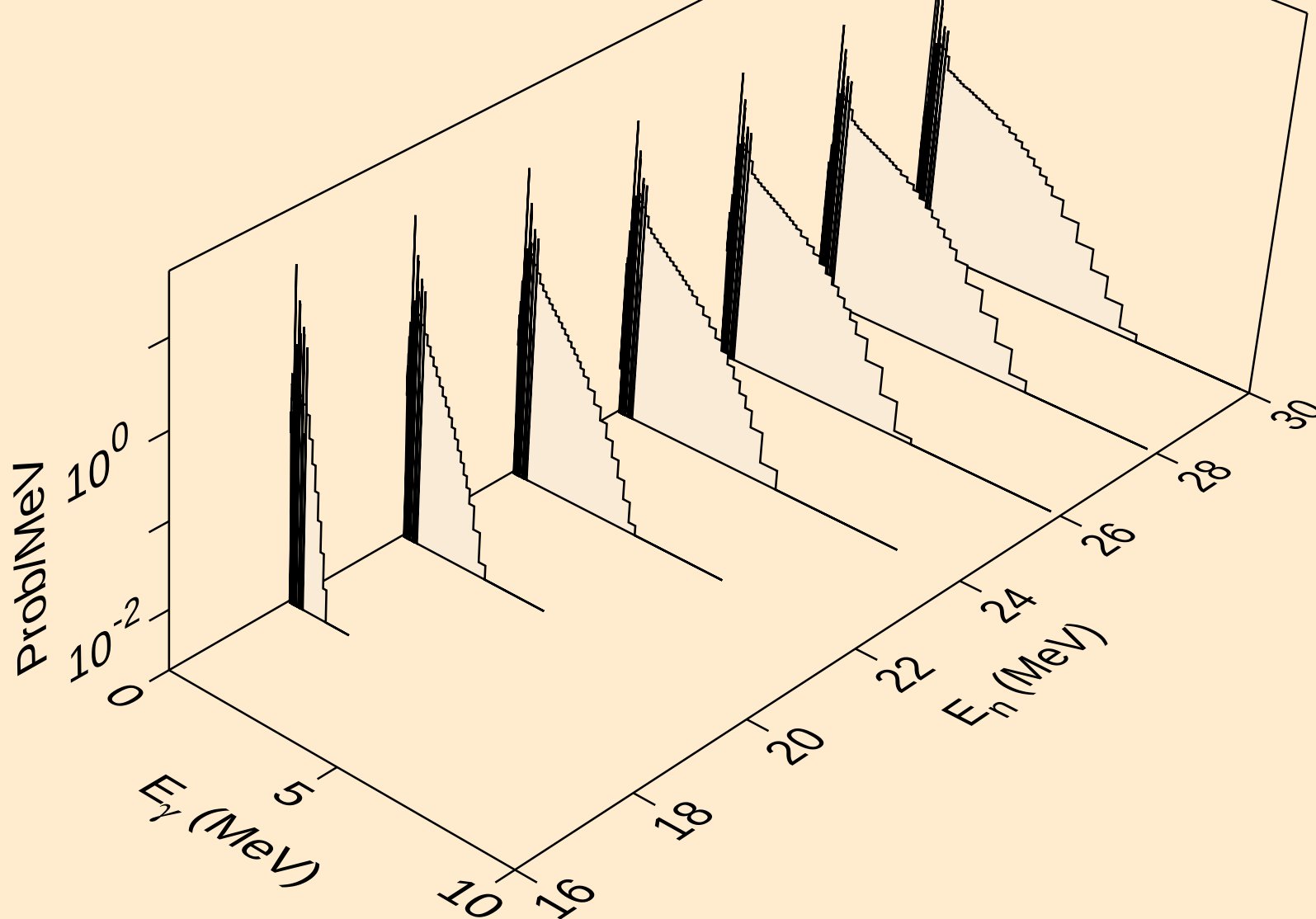
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)

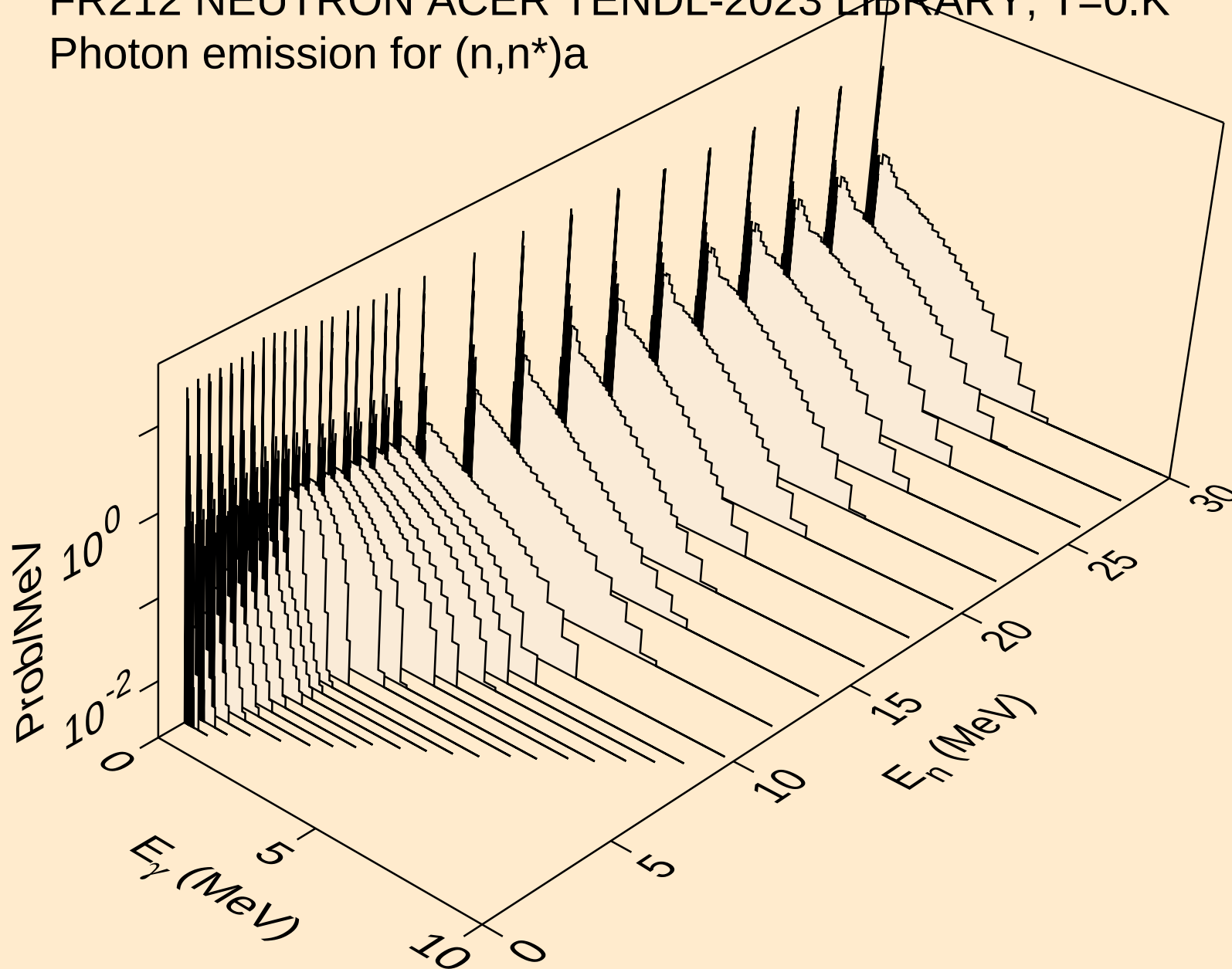


FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



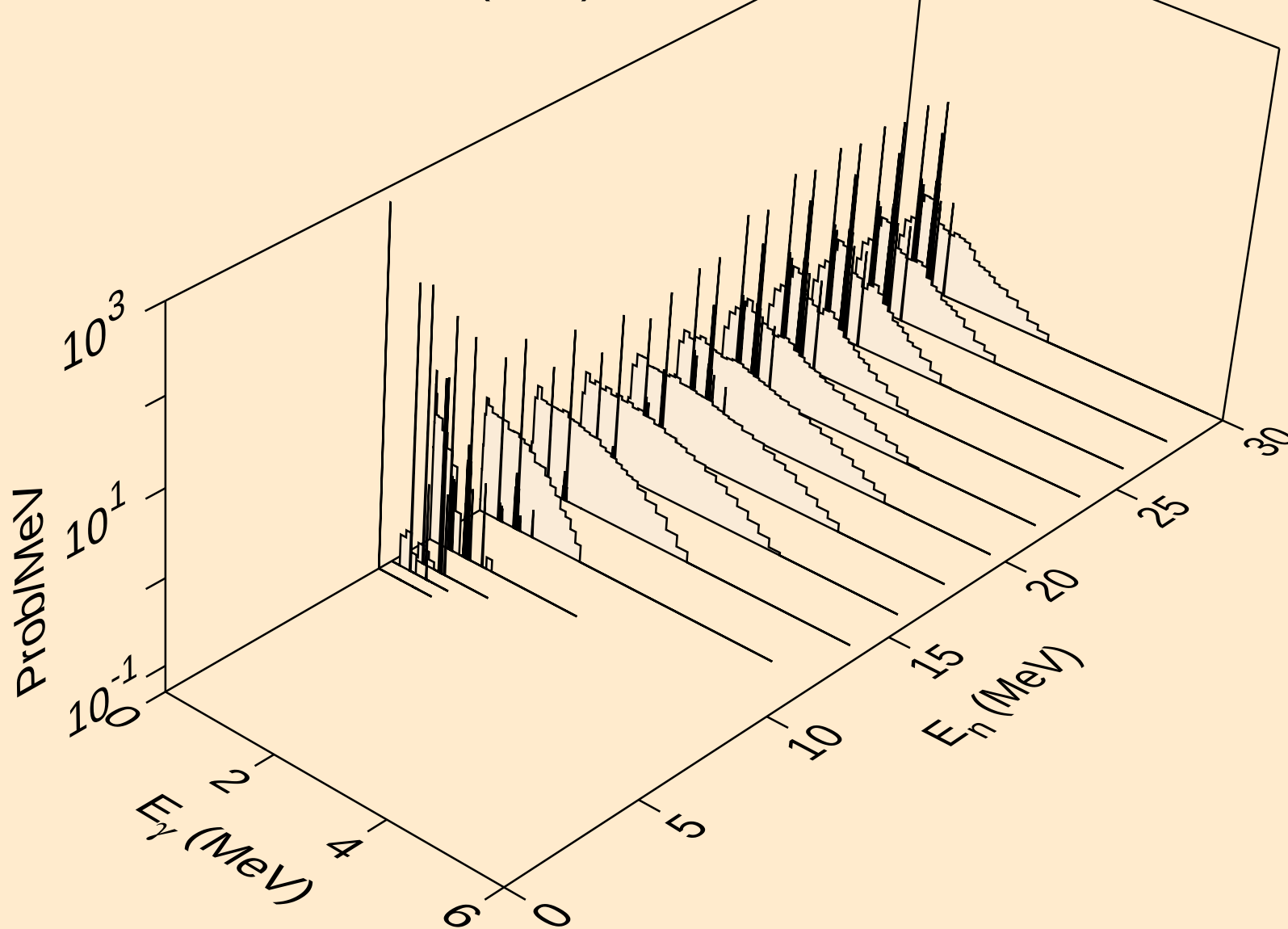
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n\*)a



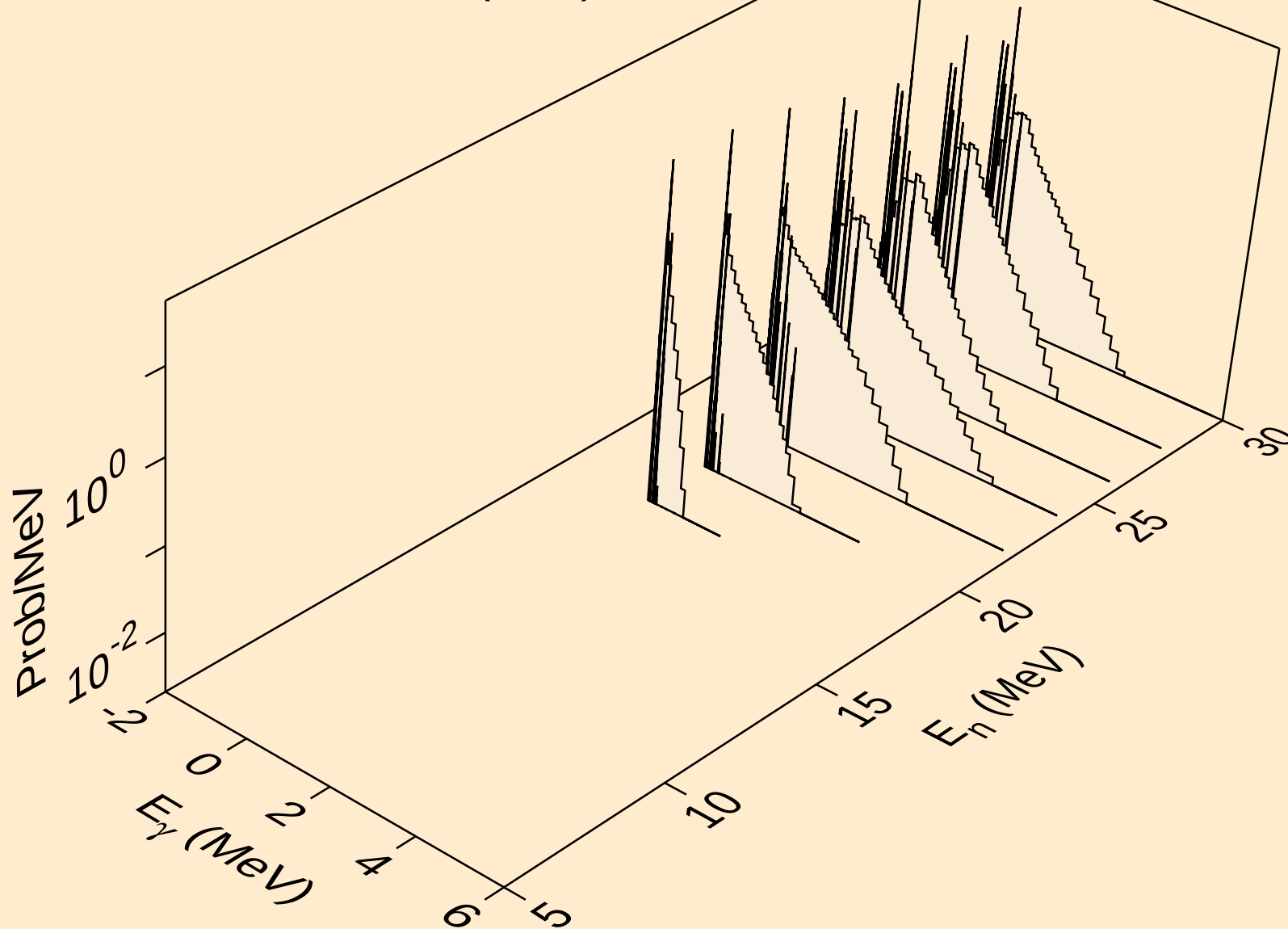
# FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,2n) $\alpha$



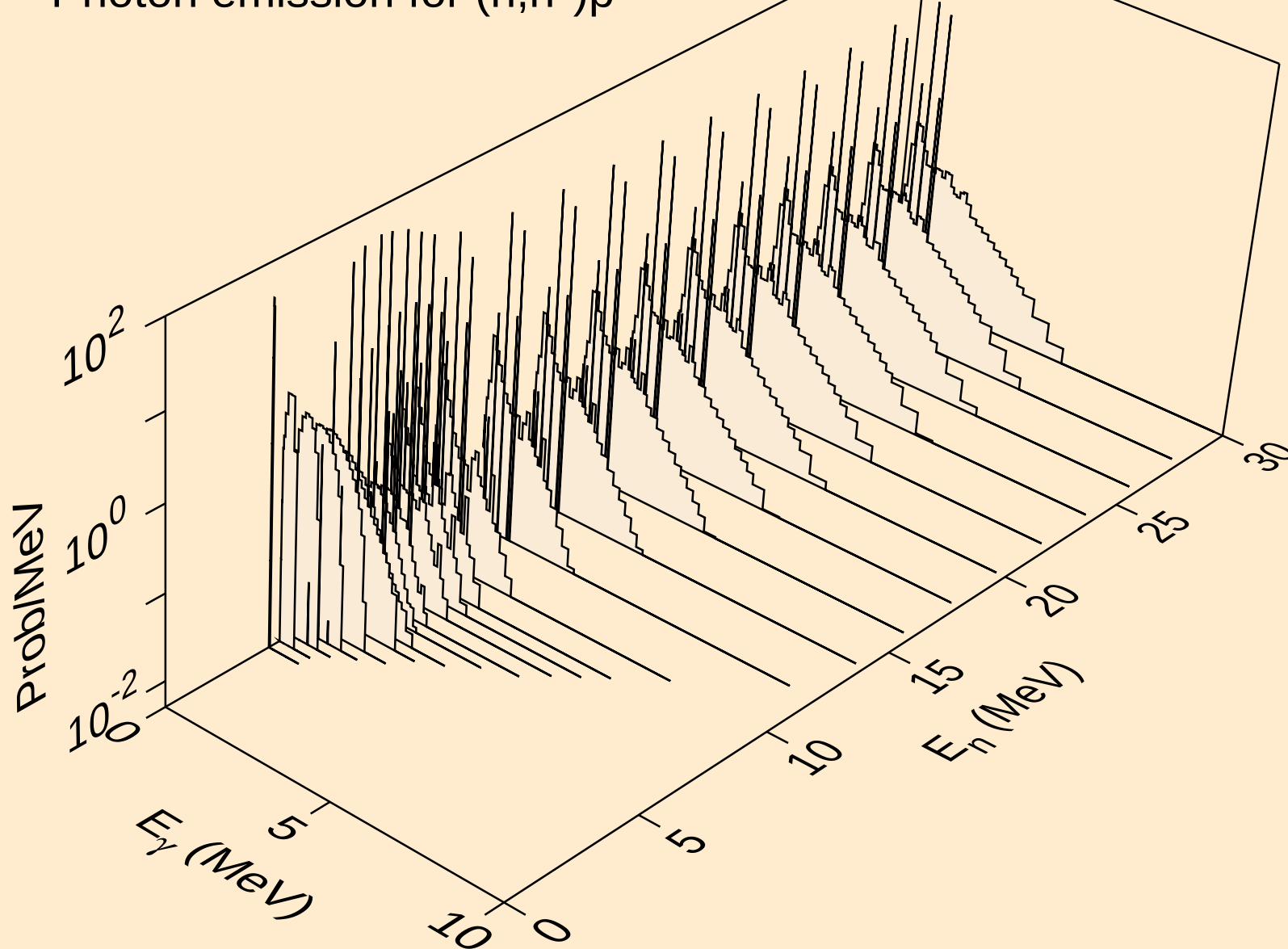
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,3n) $\alpha$

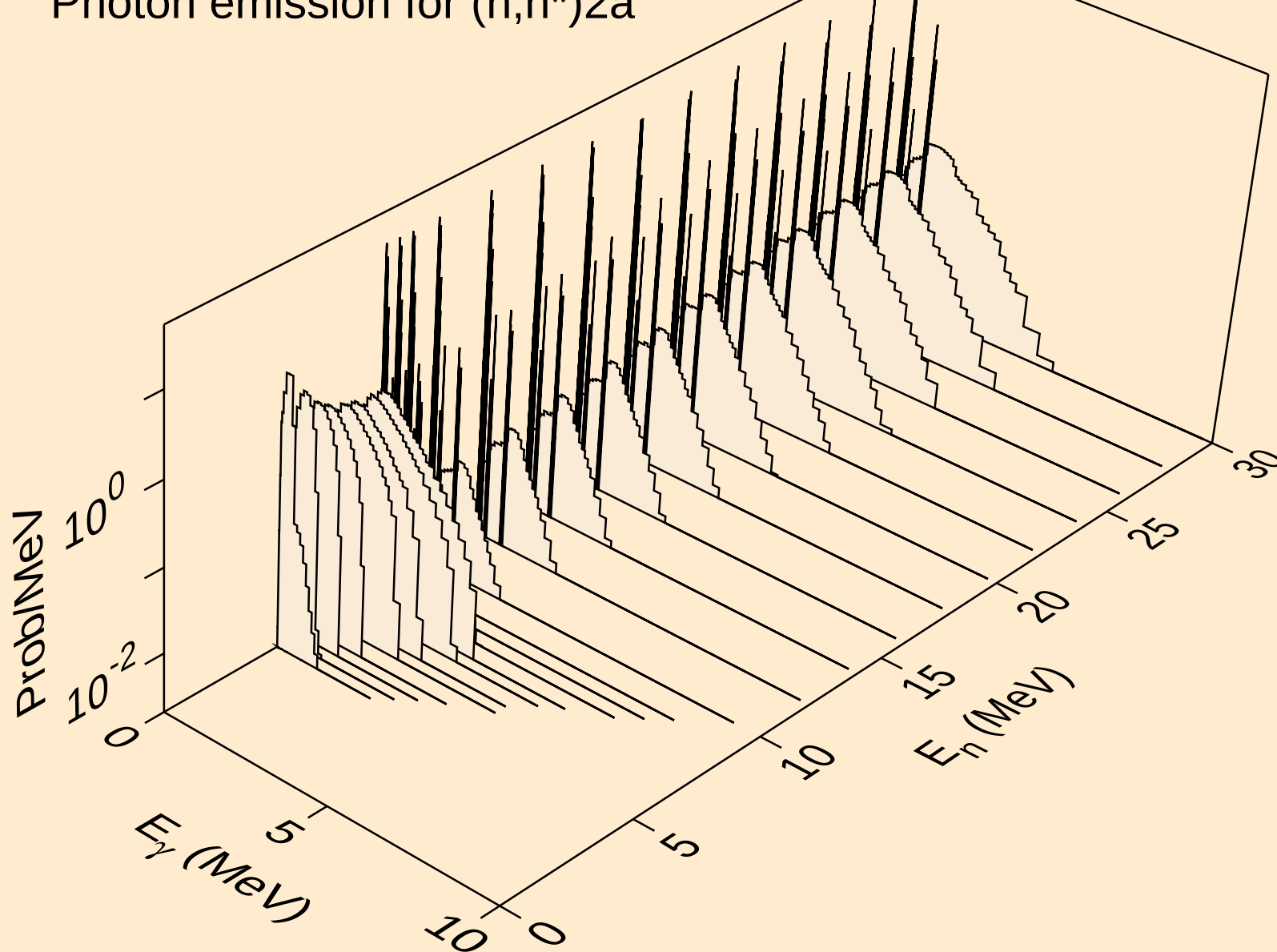


# FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n\*)p

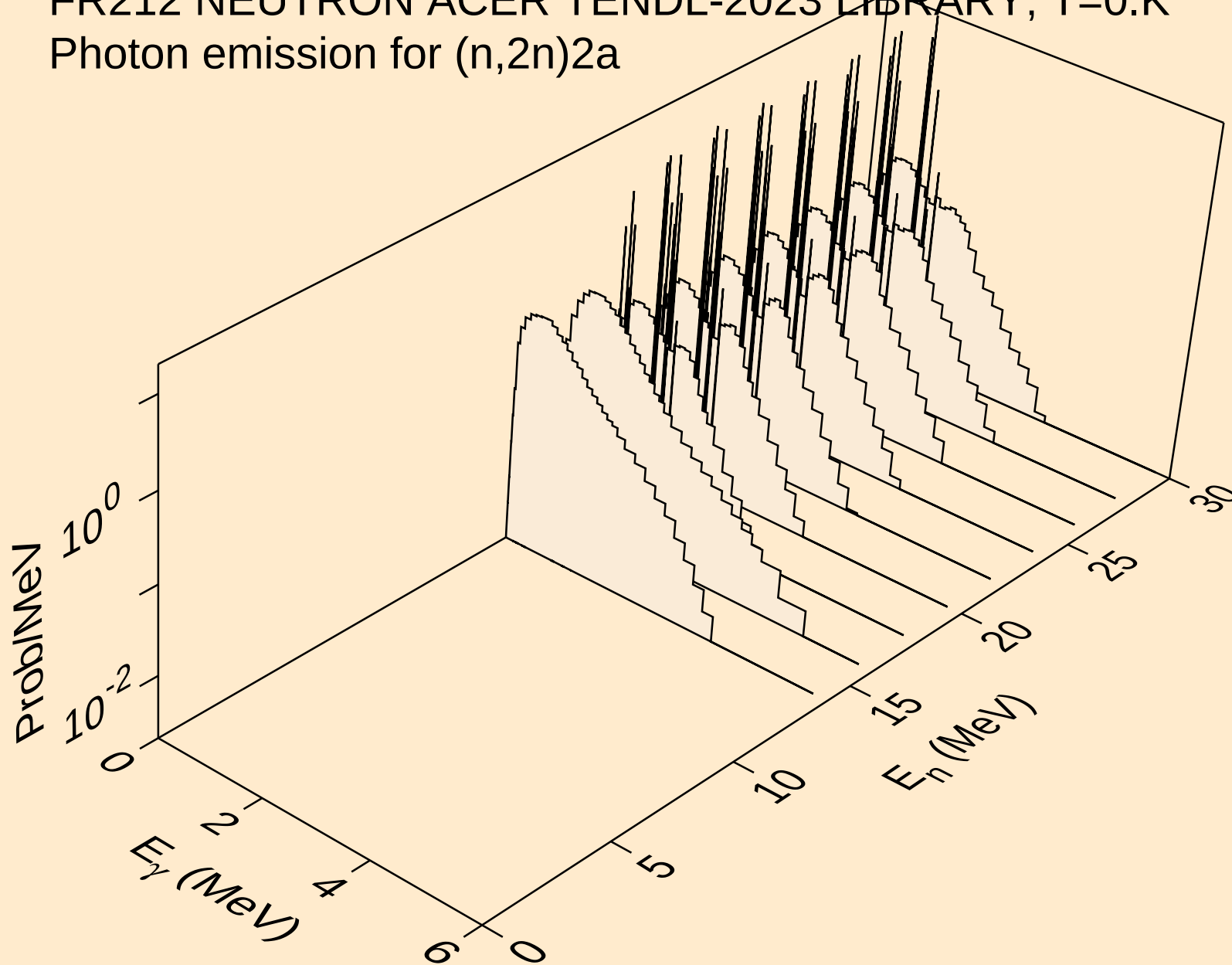


FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



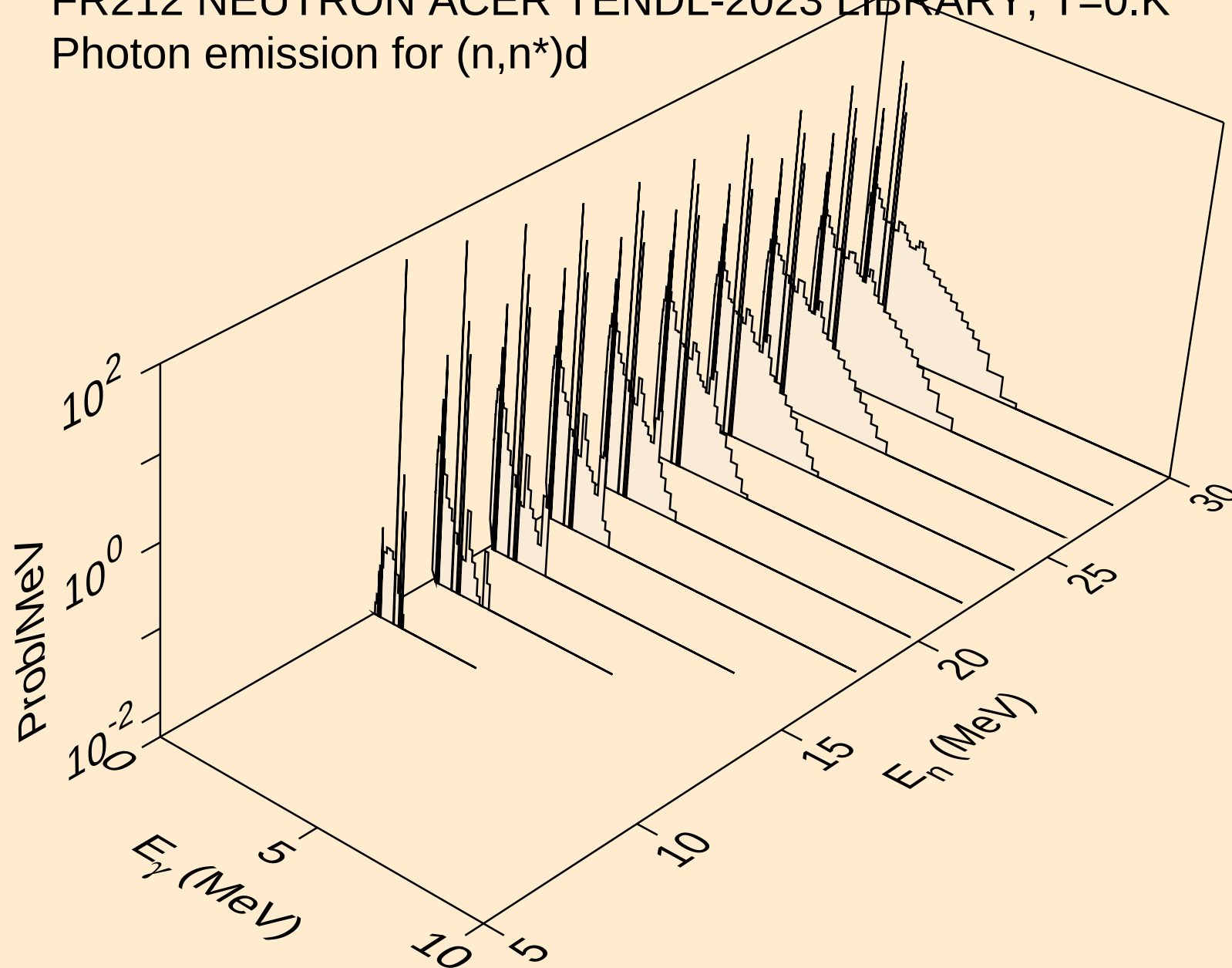
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,2n)2a



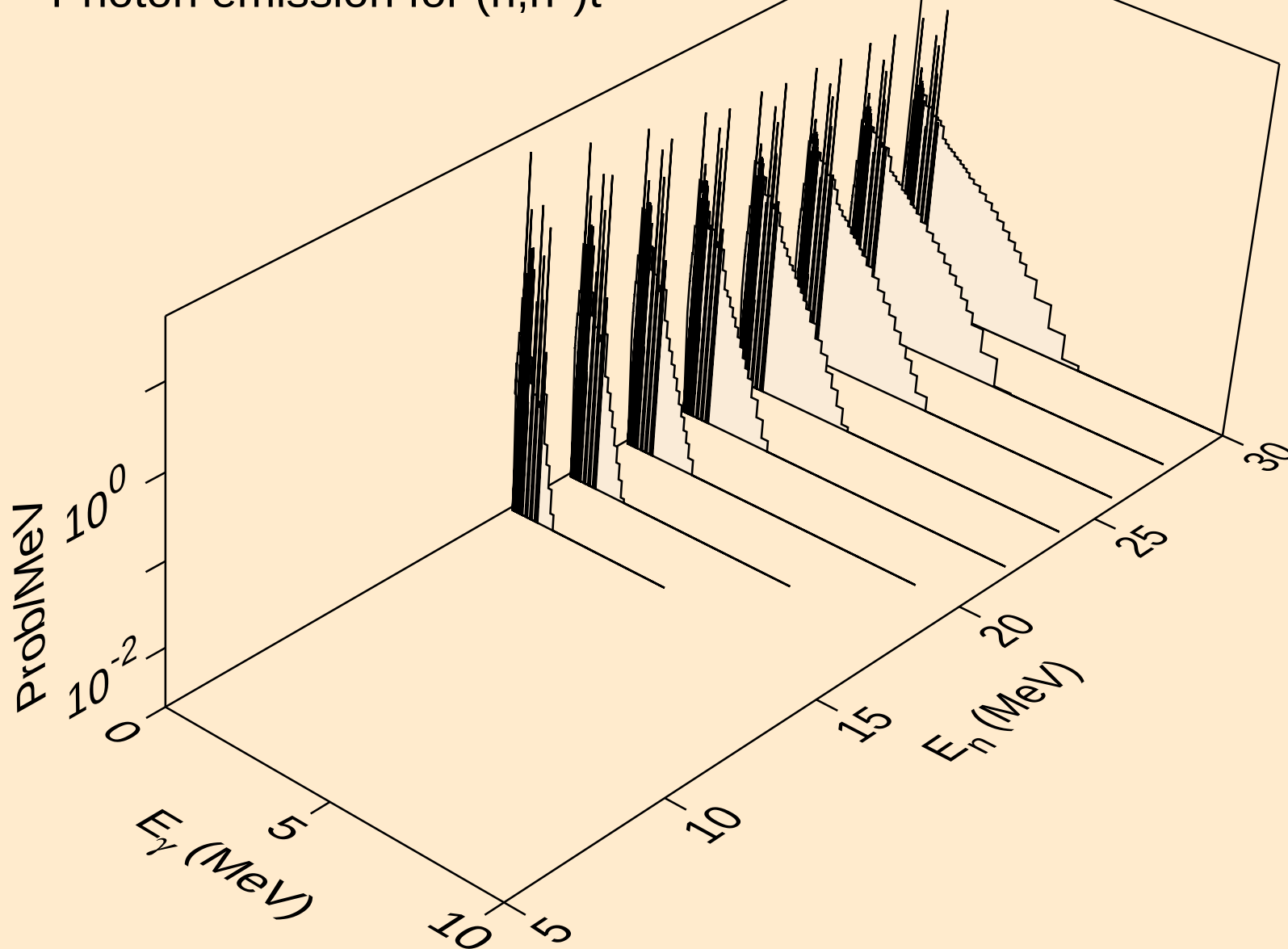
# FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n\*)d



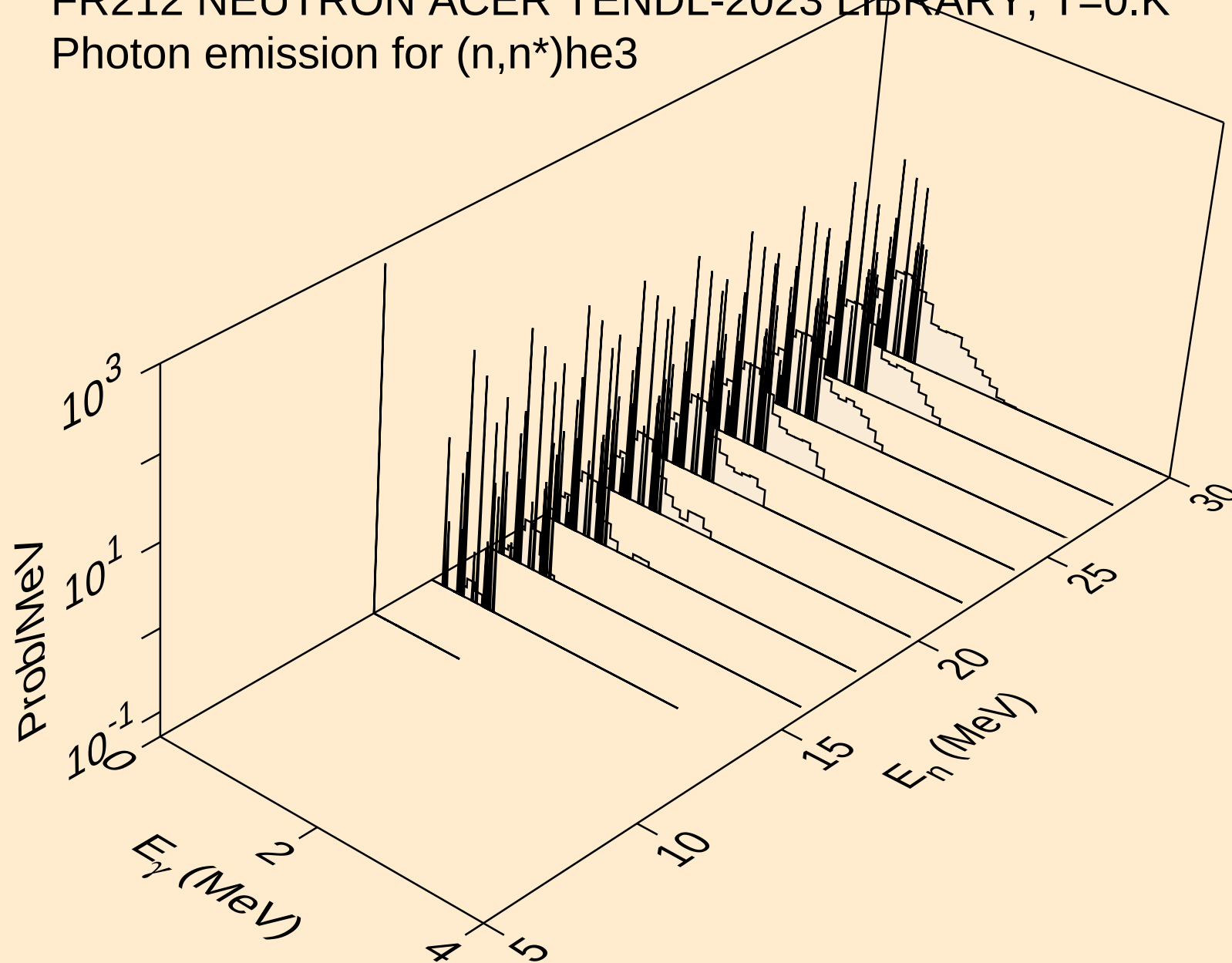
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n\*)t

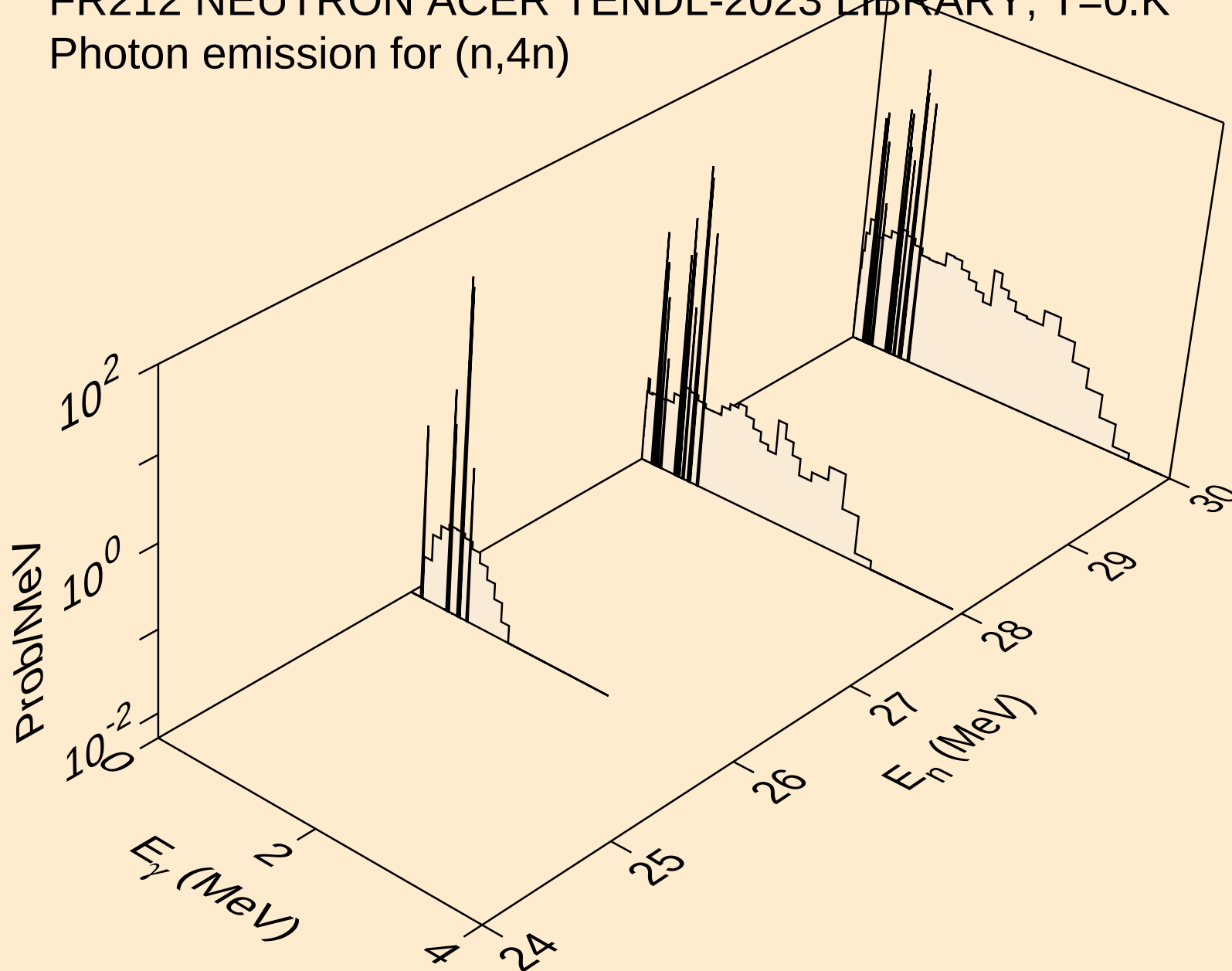


FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

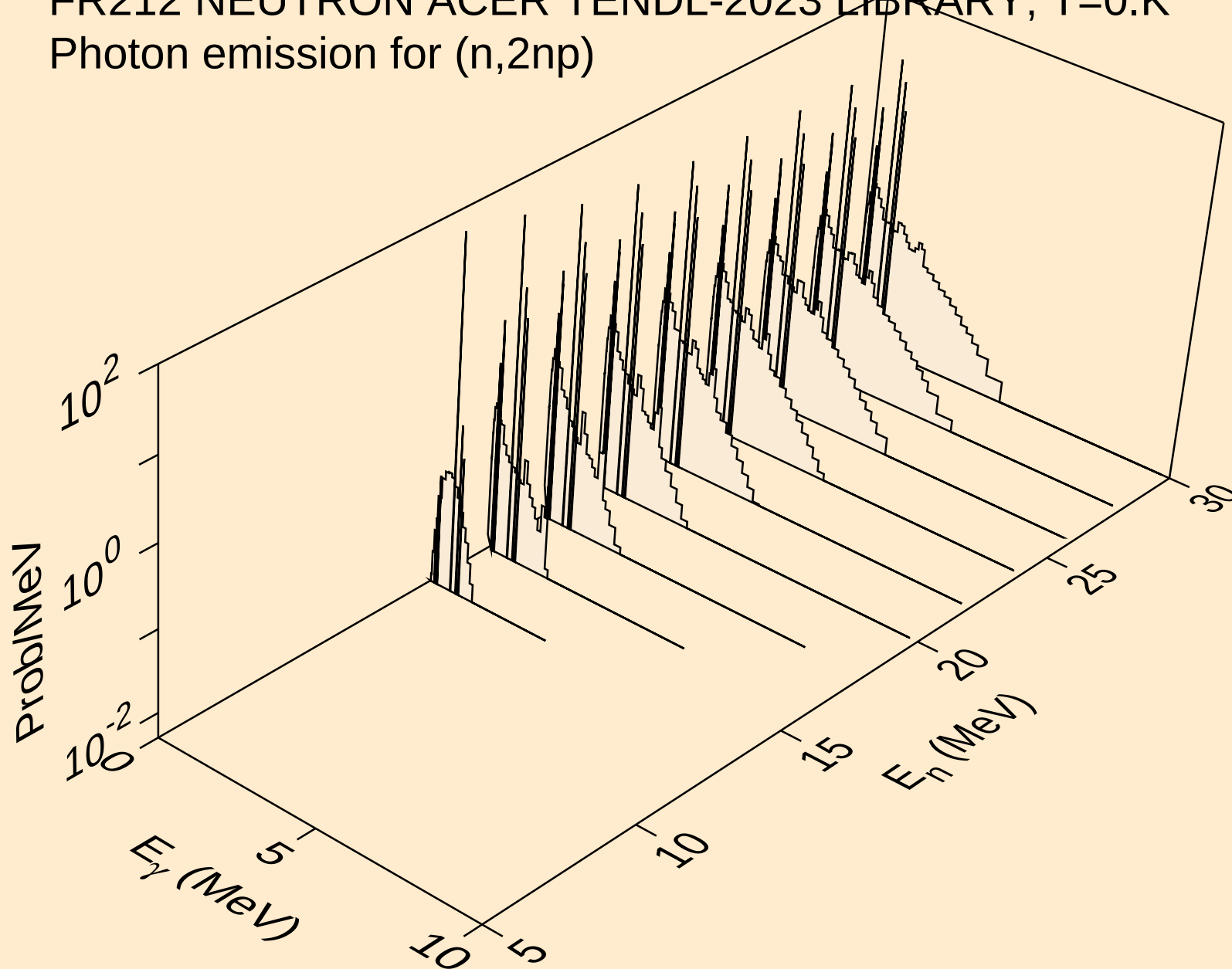
Photon emission for (n,n\*)he3



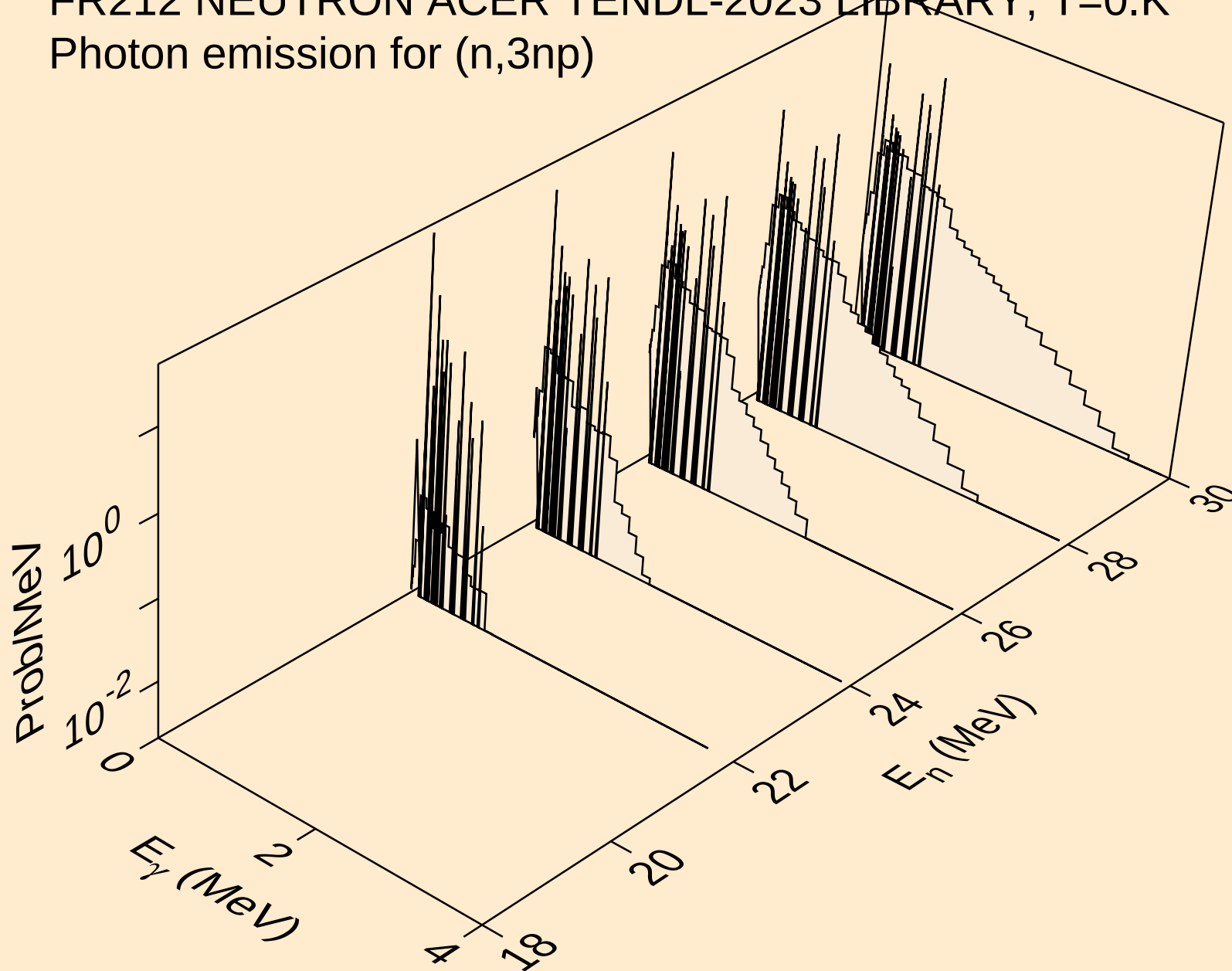
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,4n)



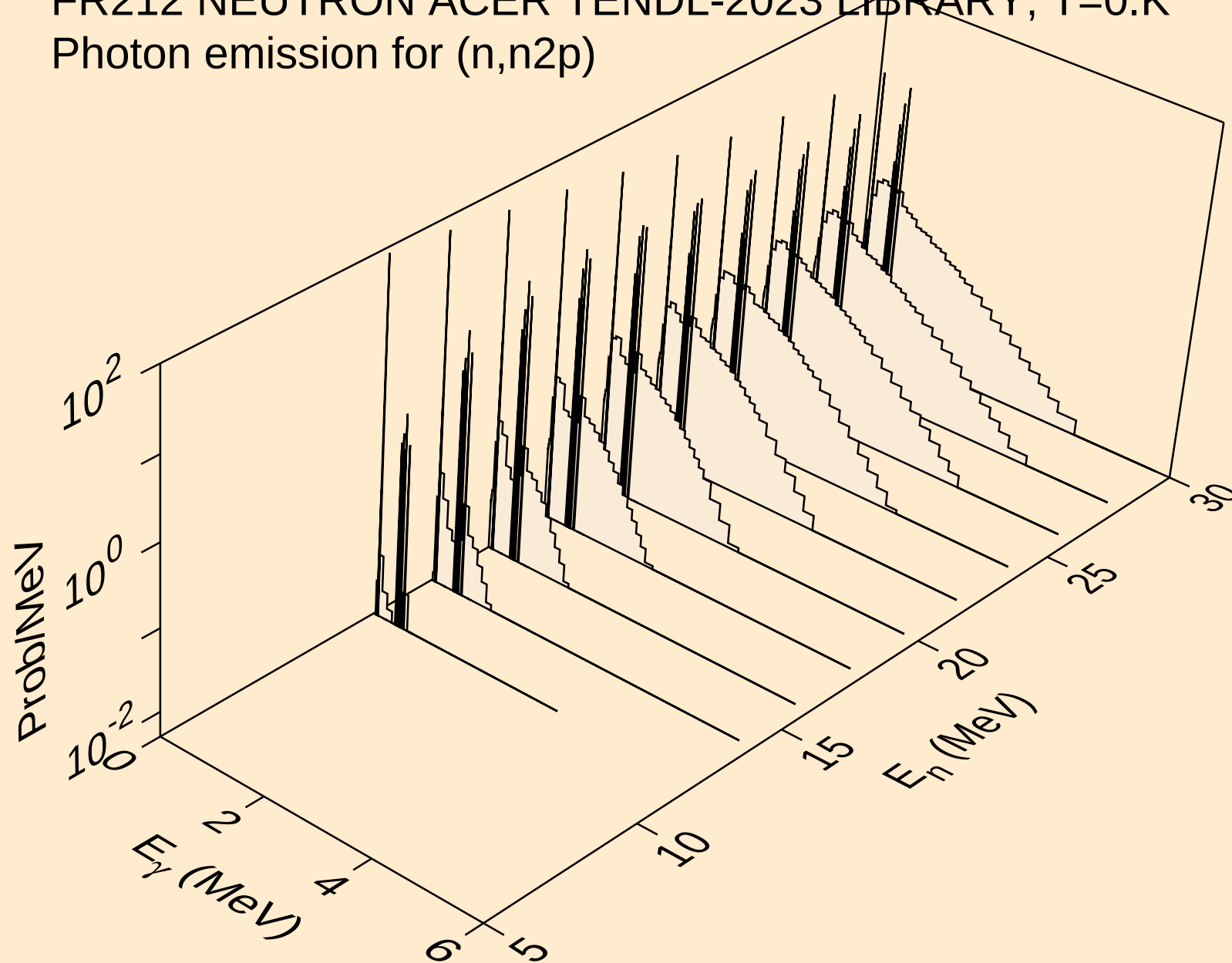
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)



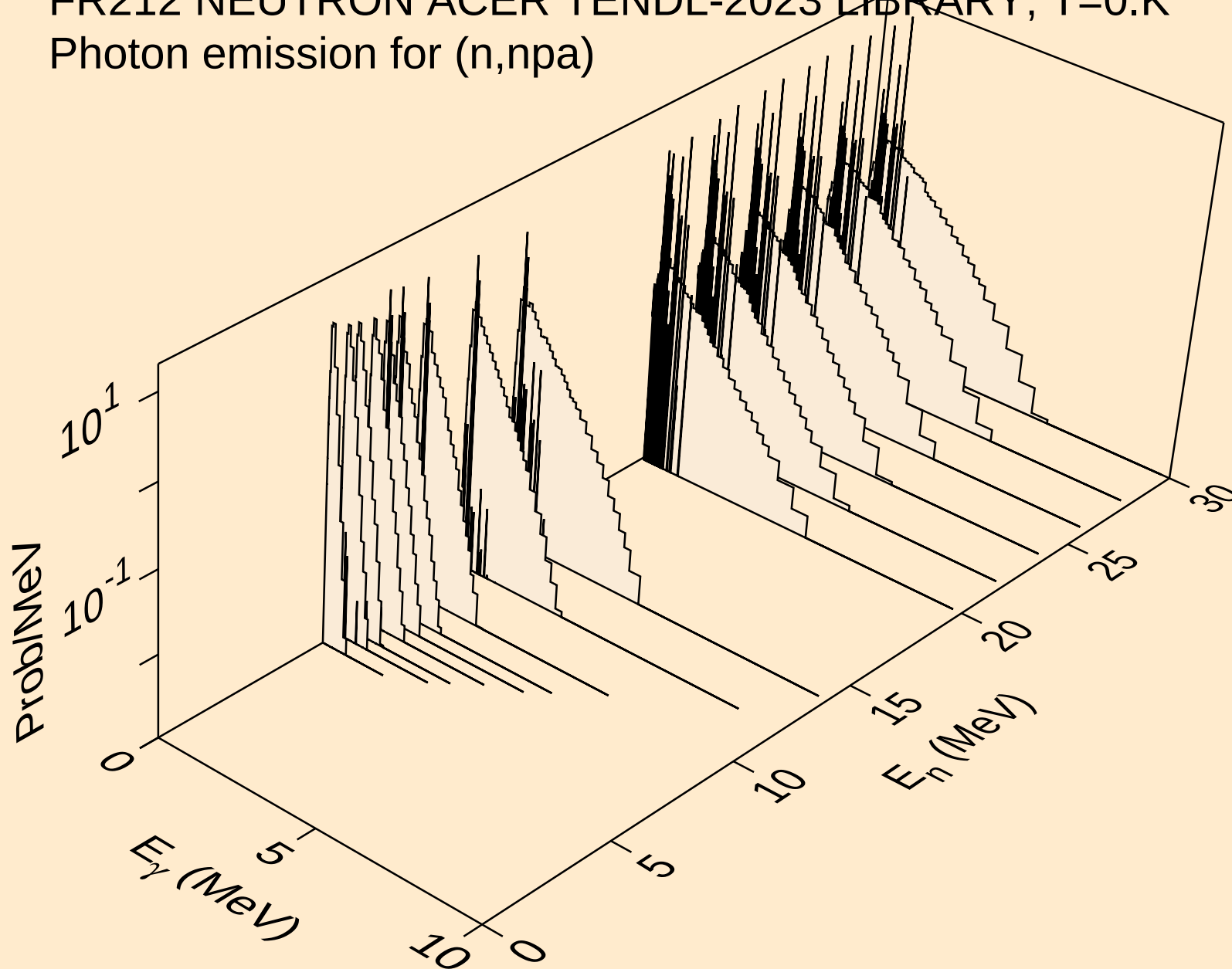
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3np)



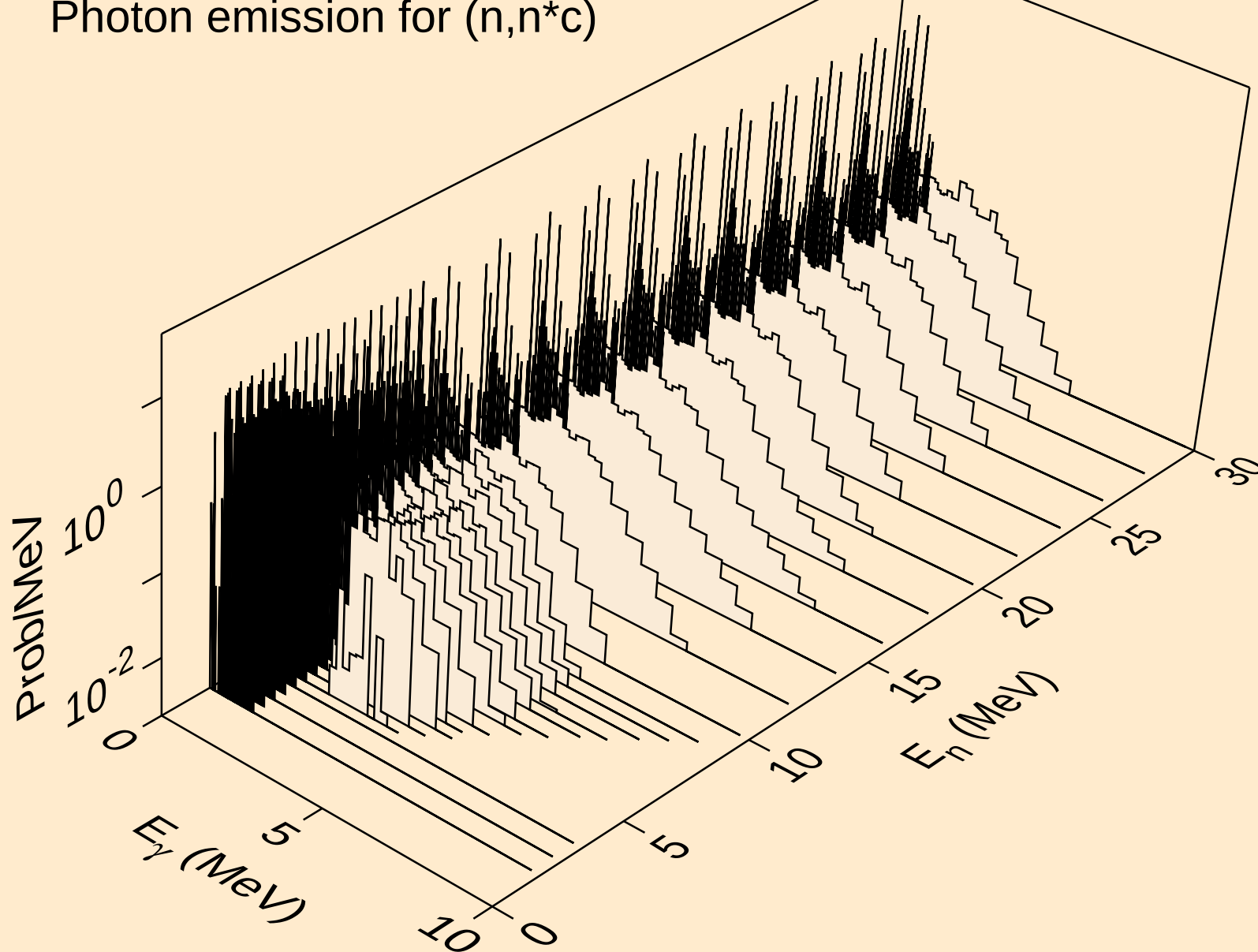
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)



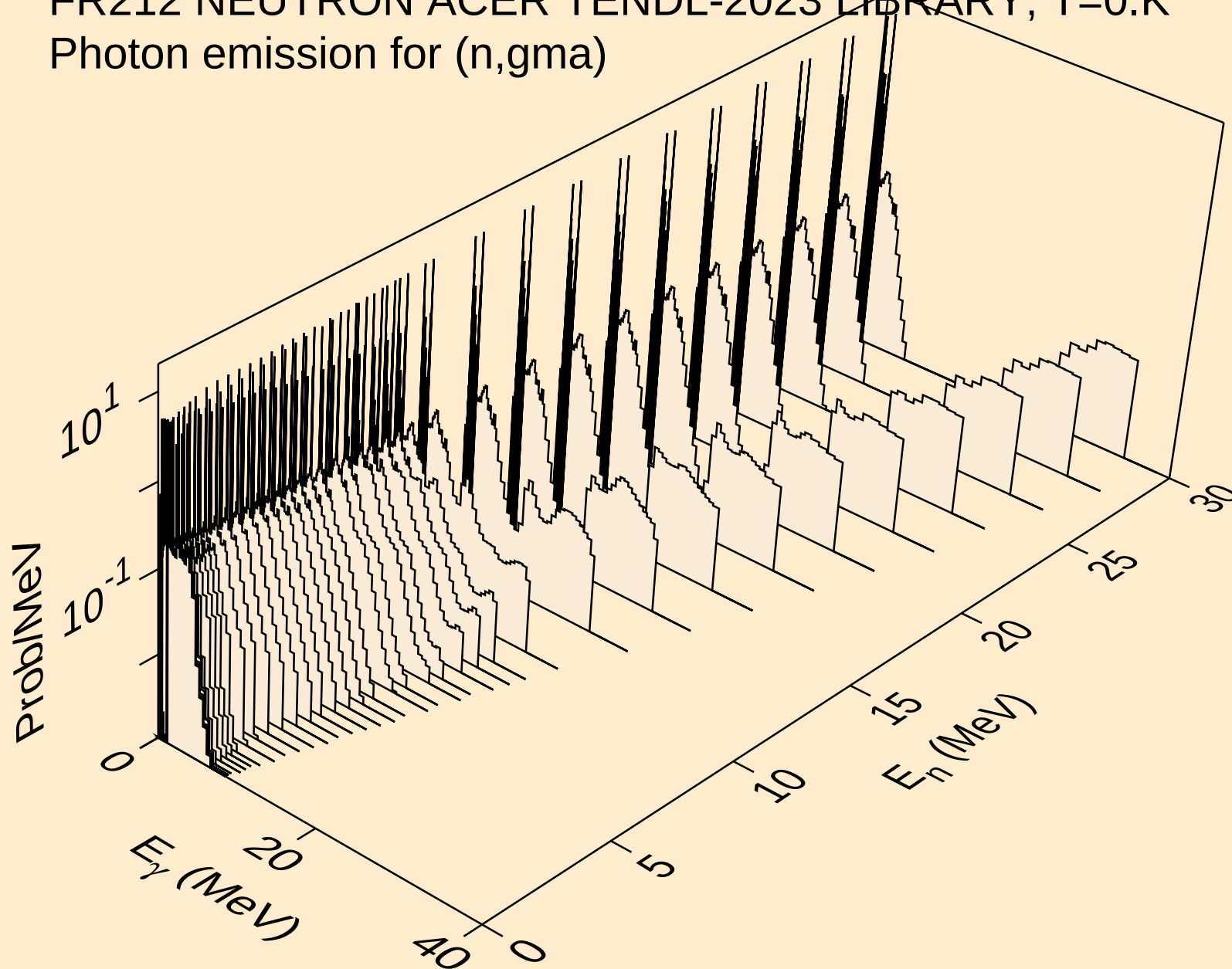
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,npa)



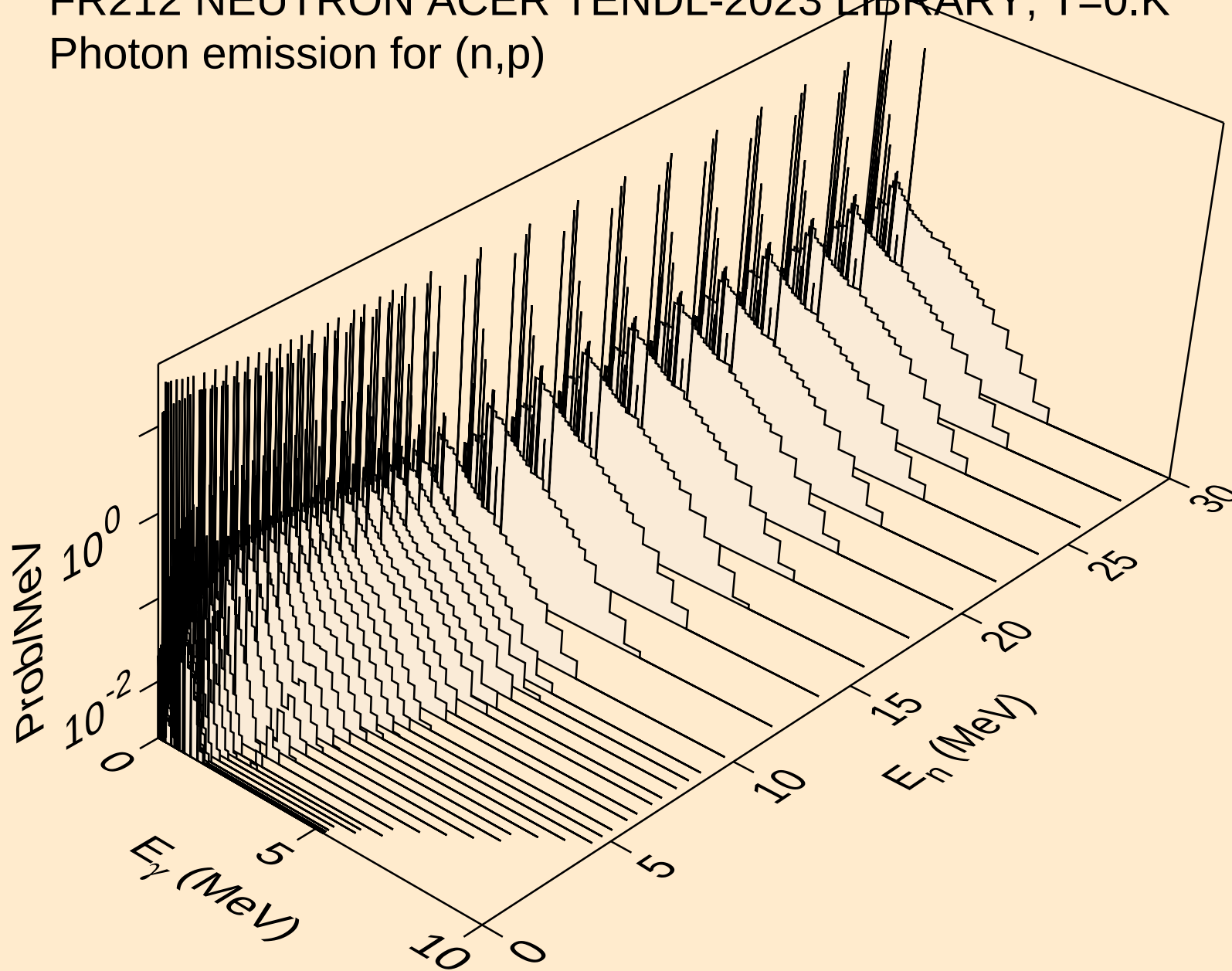
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*c)



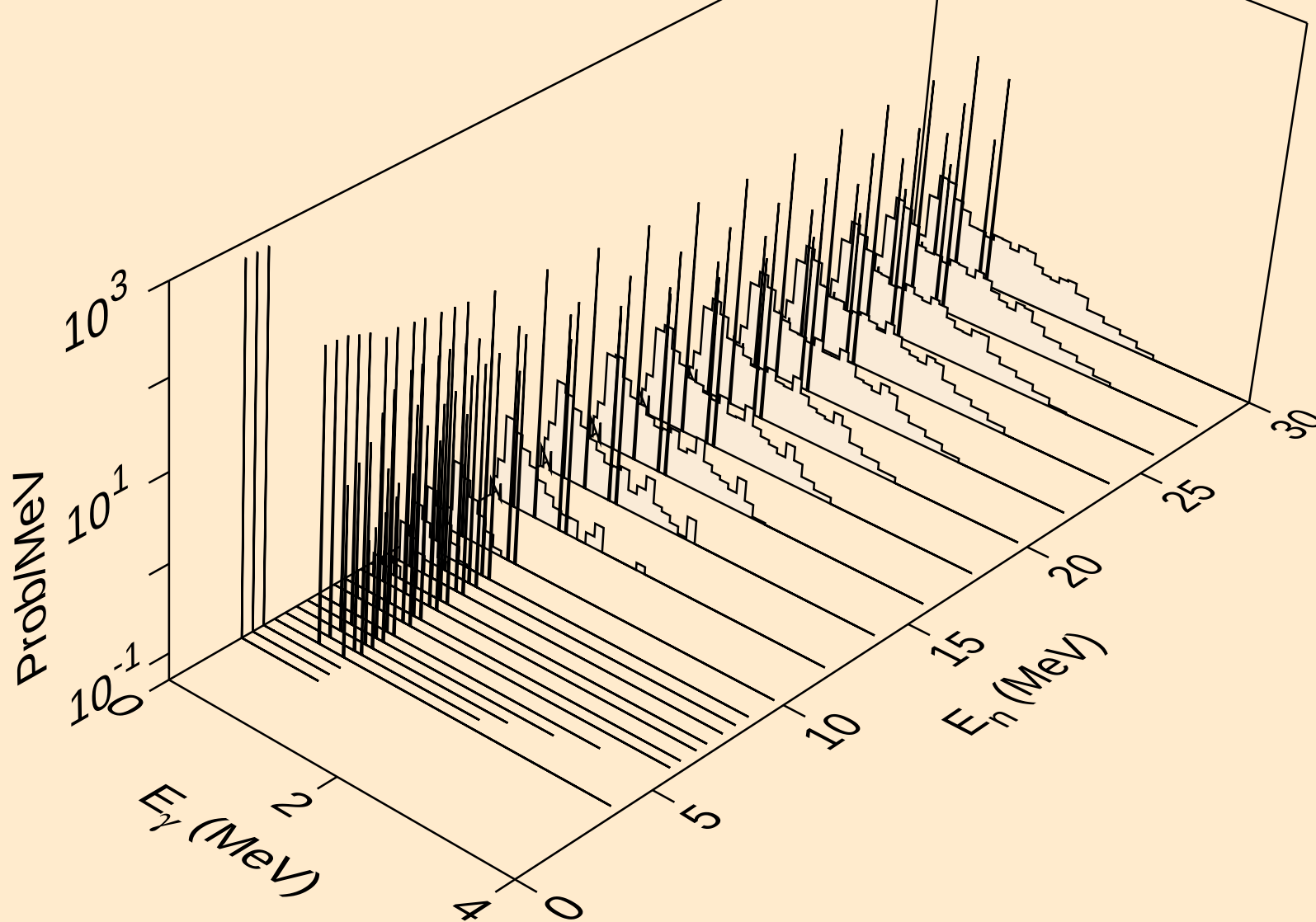
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)



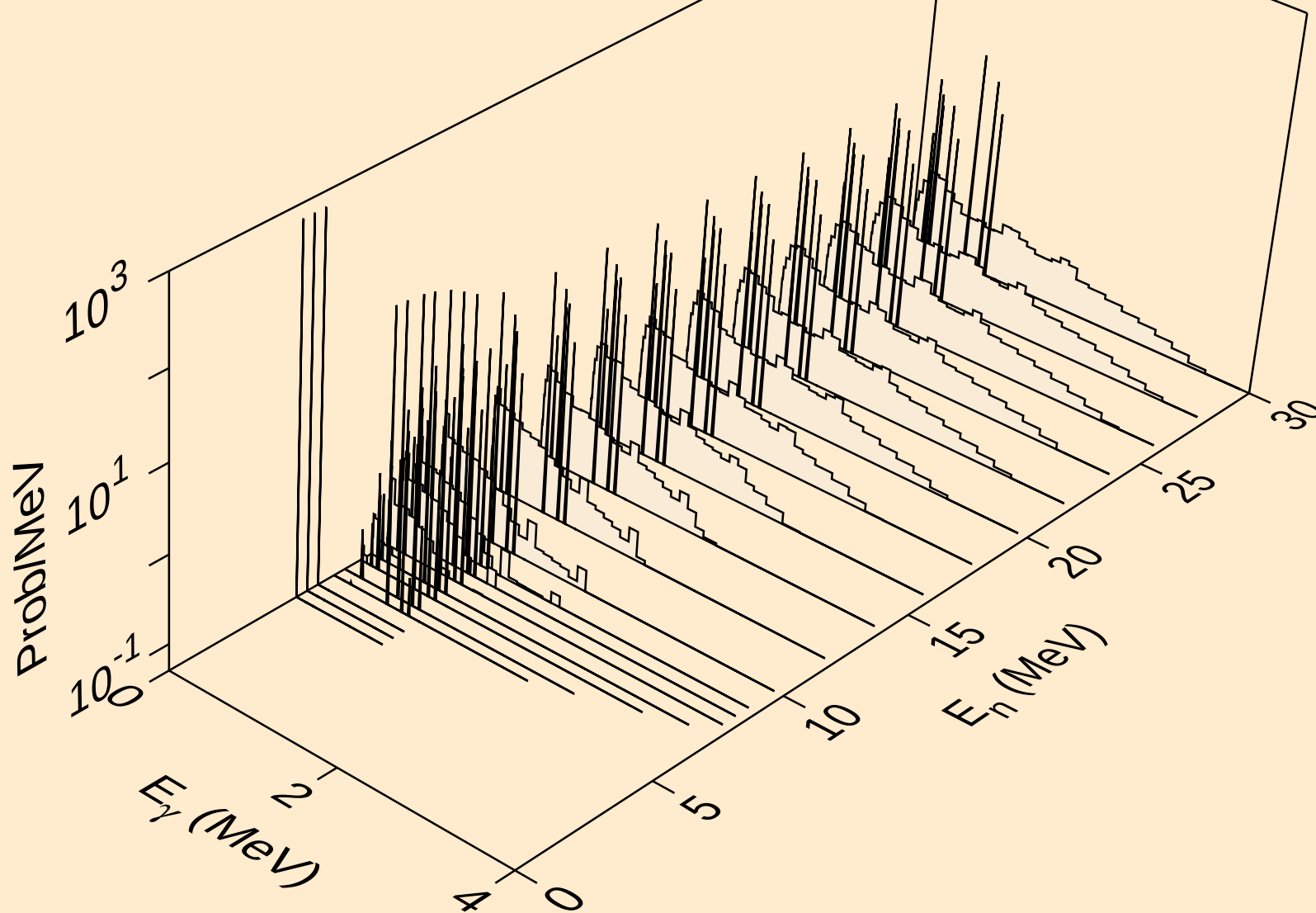
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)



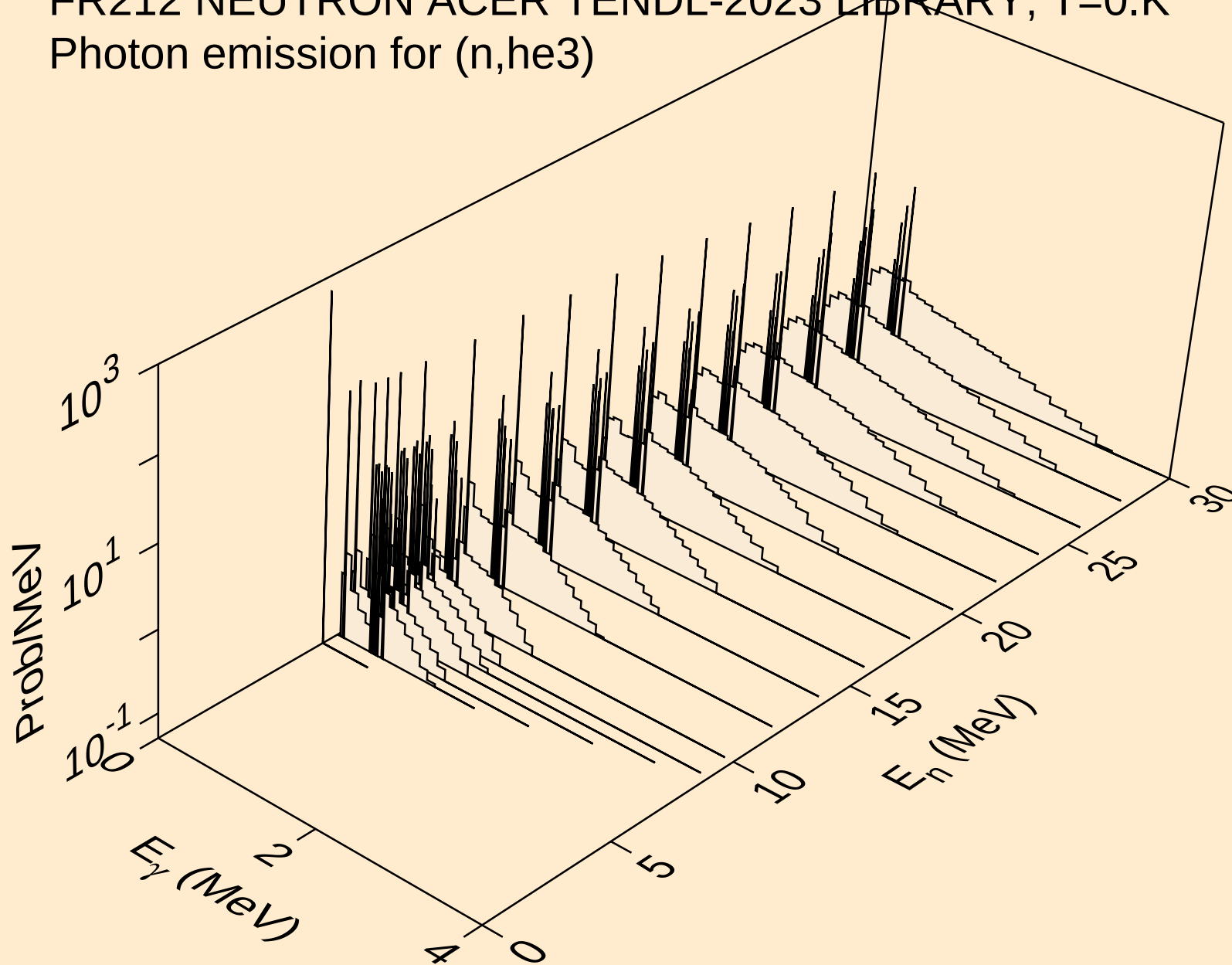
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)



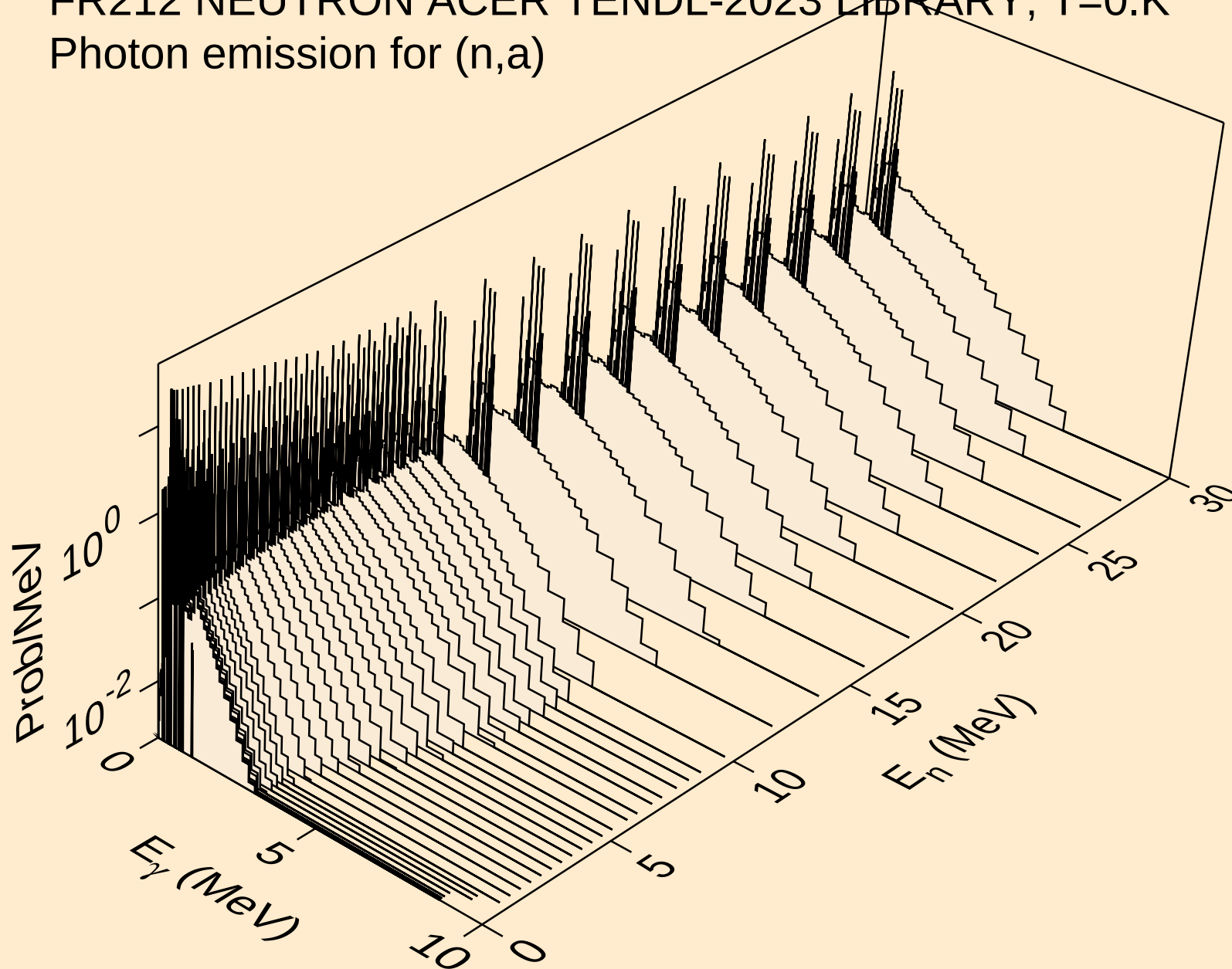
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)



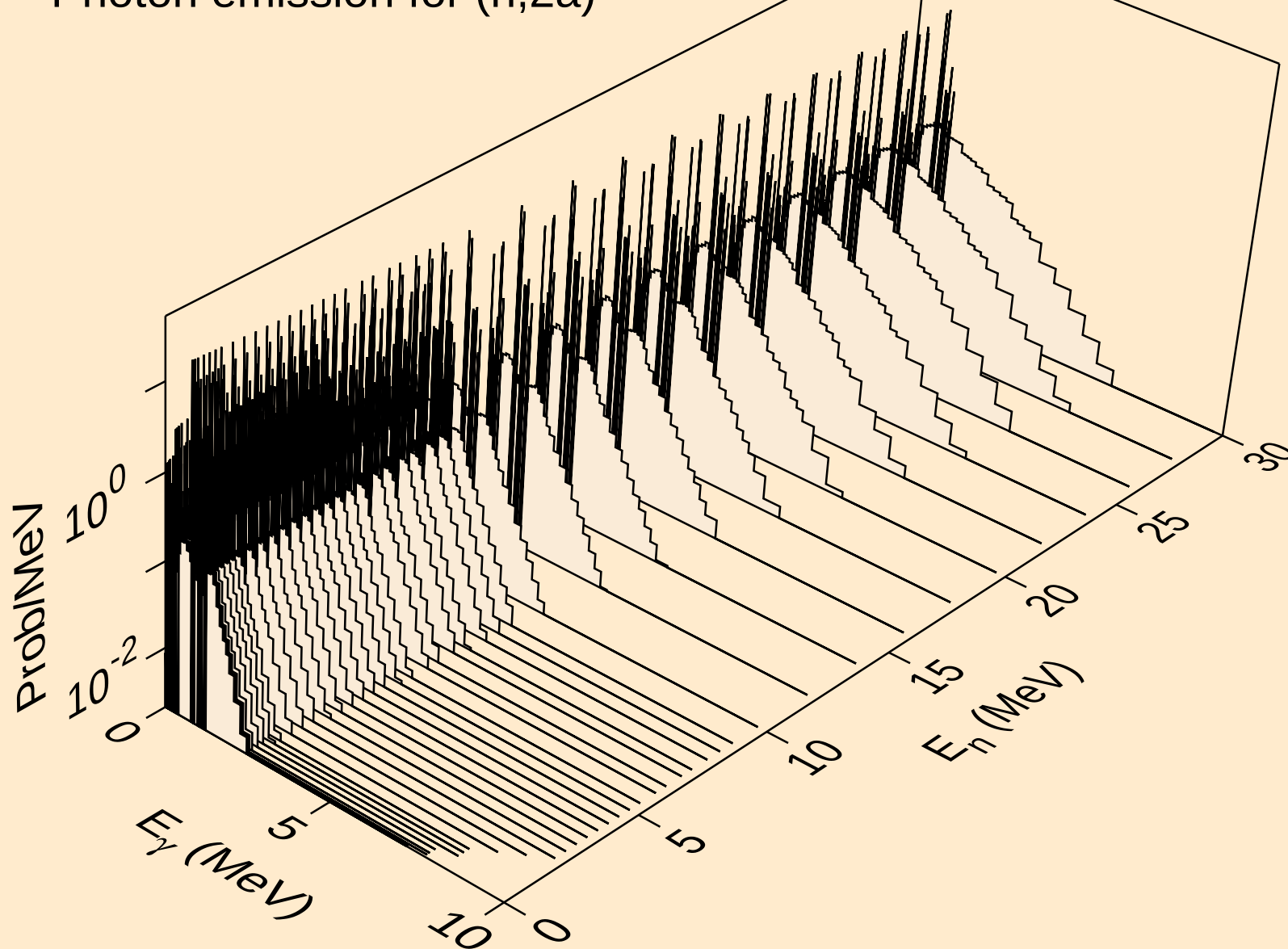
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)



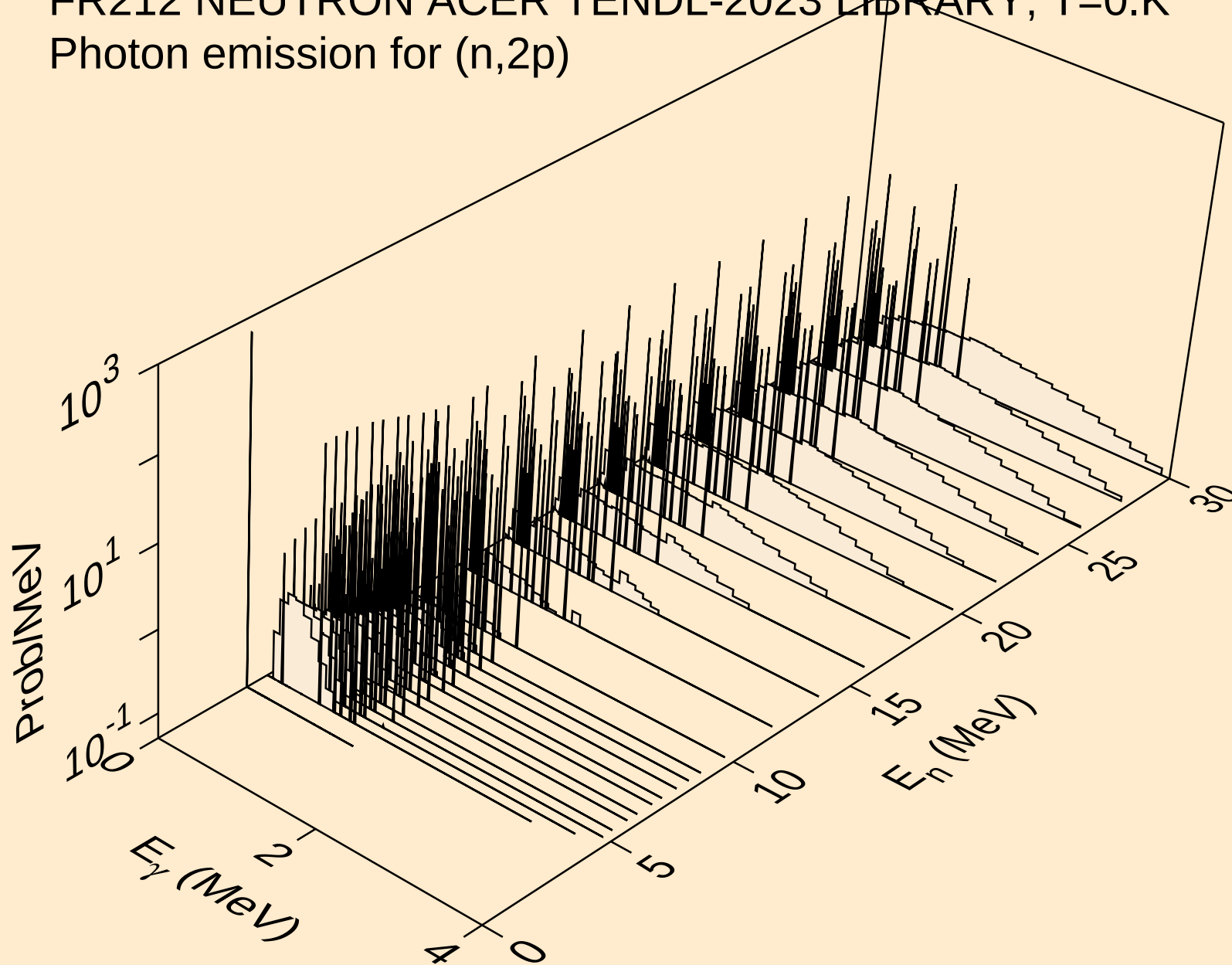
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)



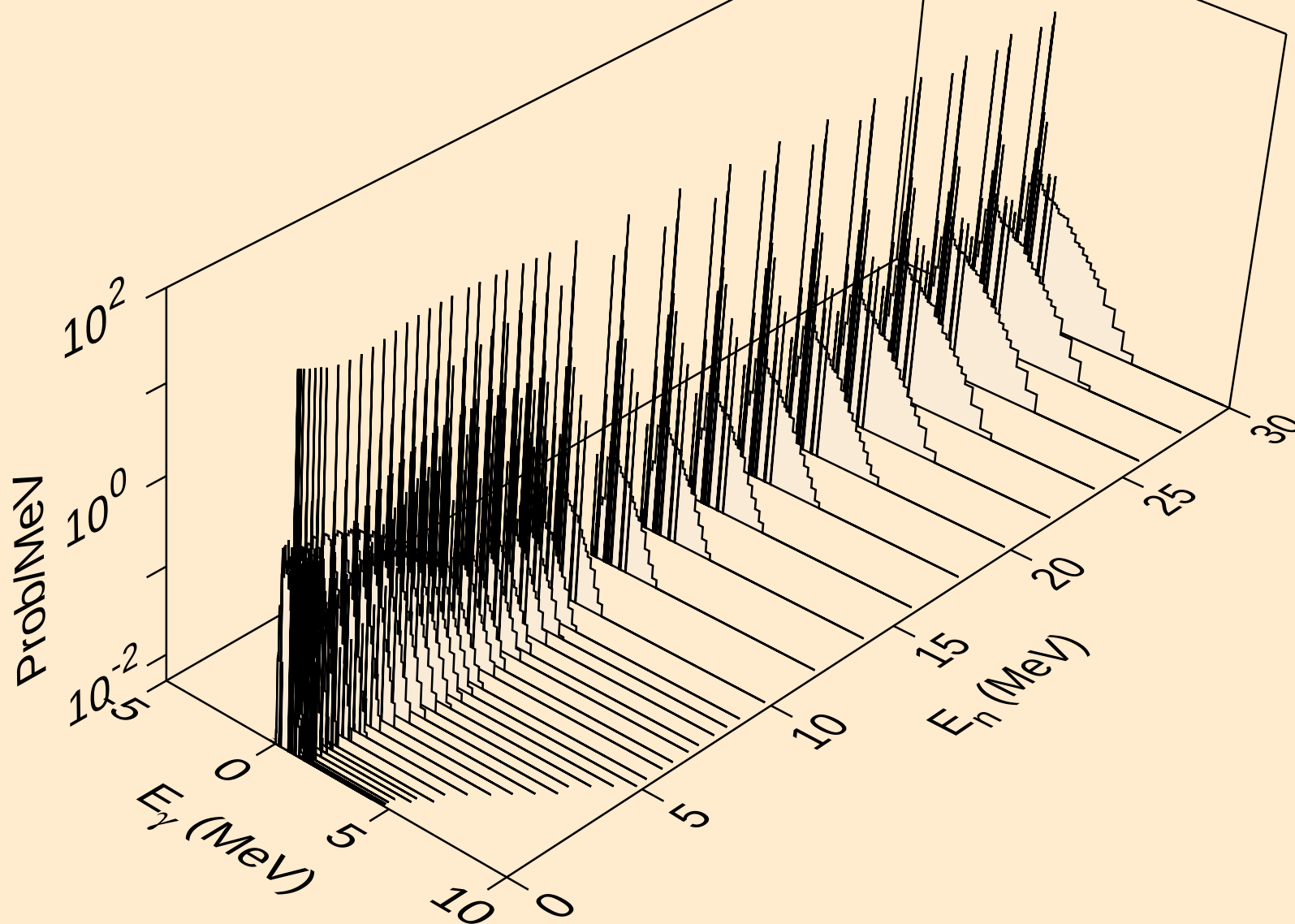
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2a)



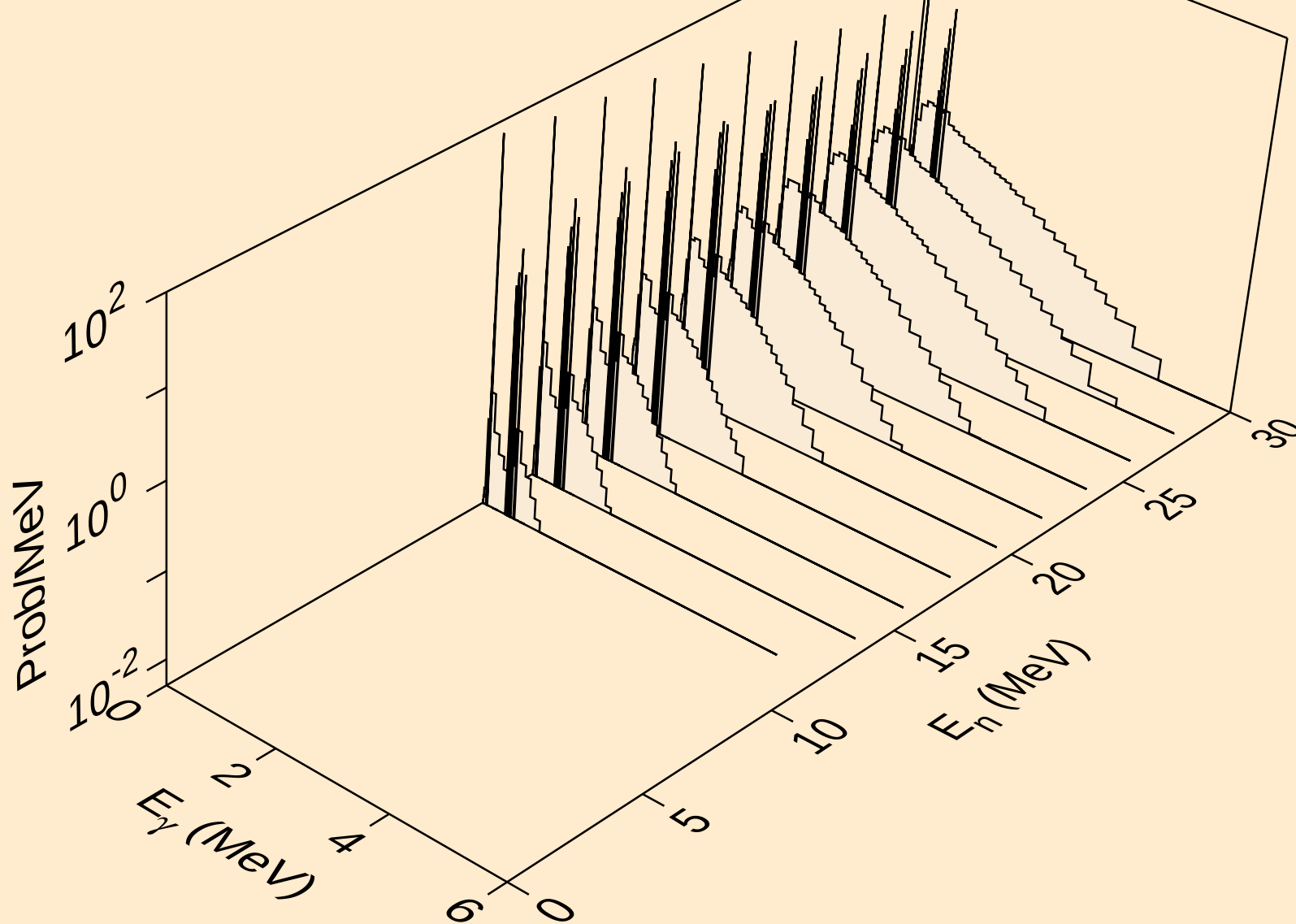
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)



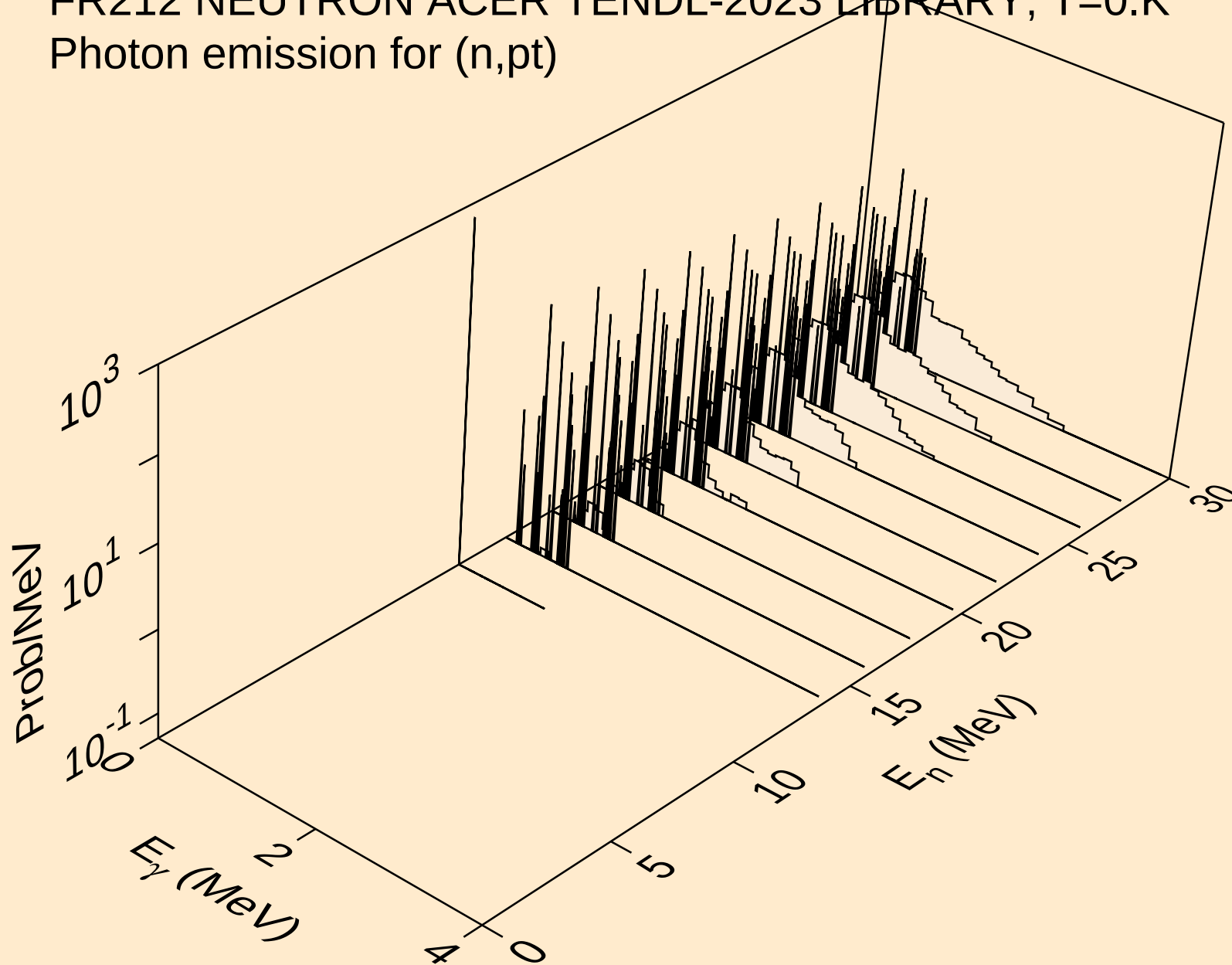
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p $\alpha$ )



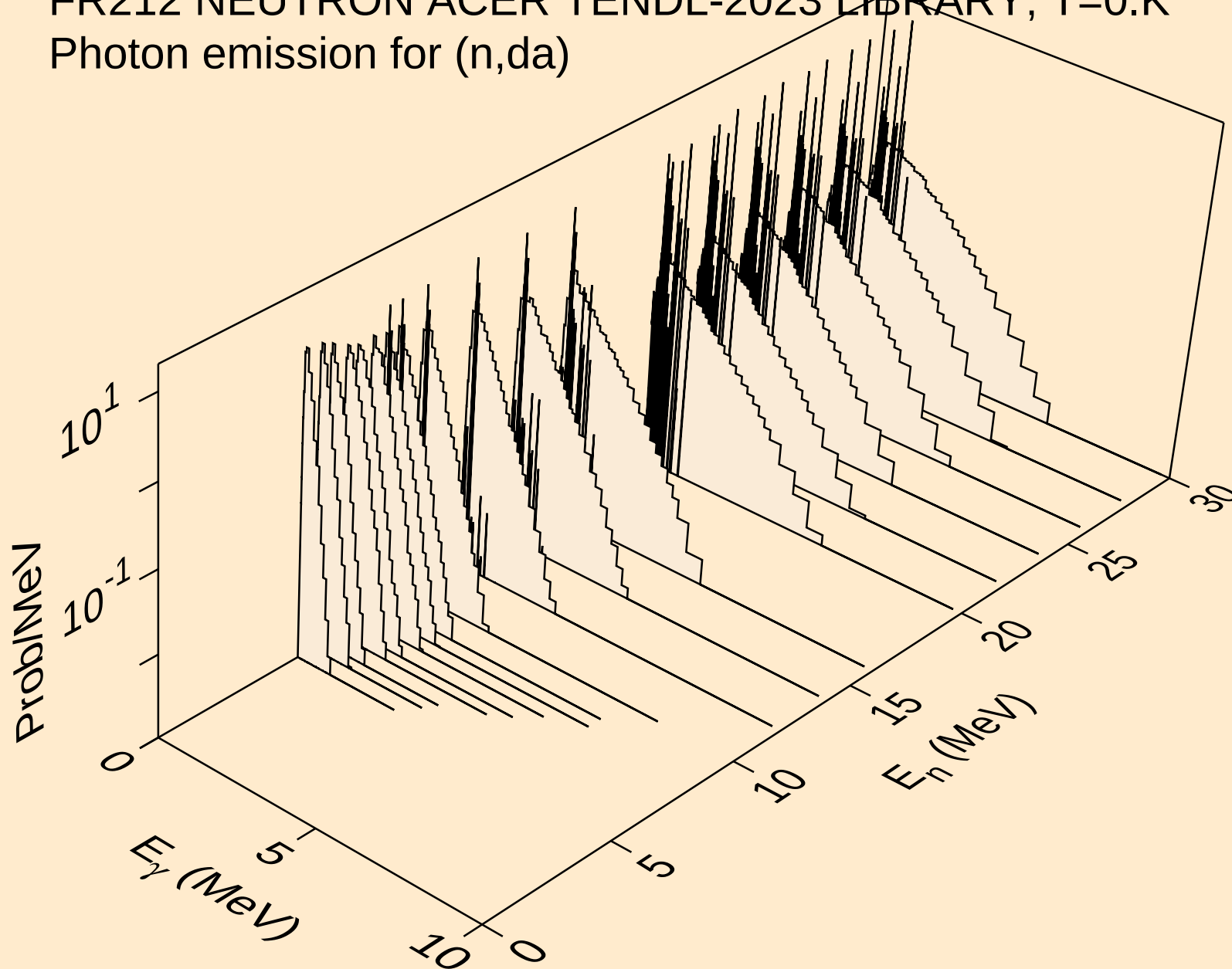
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)



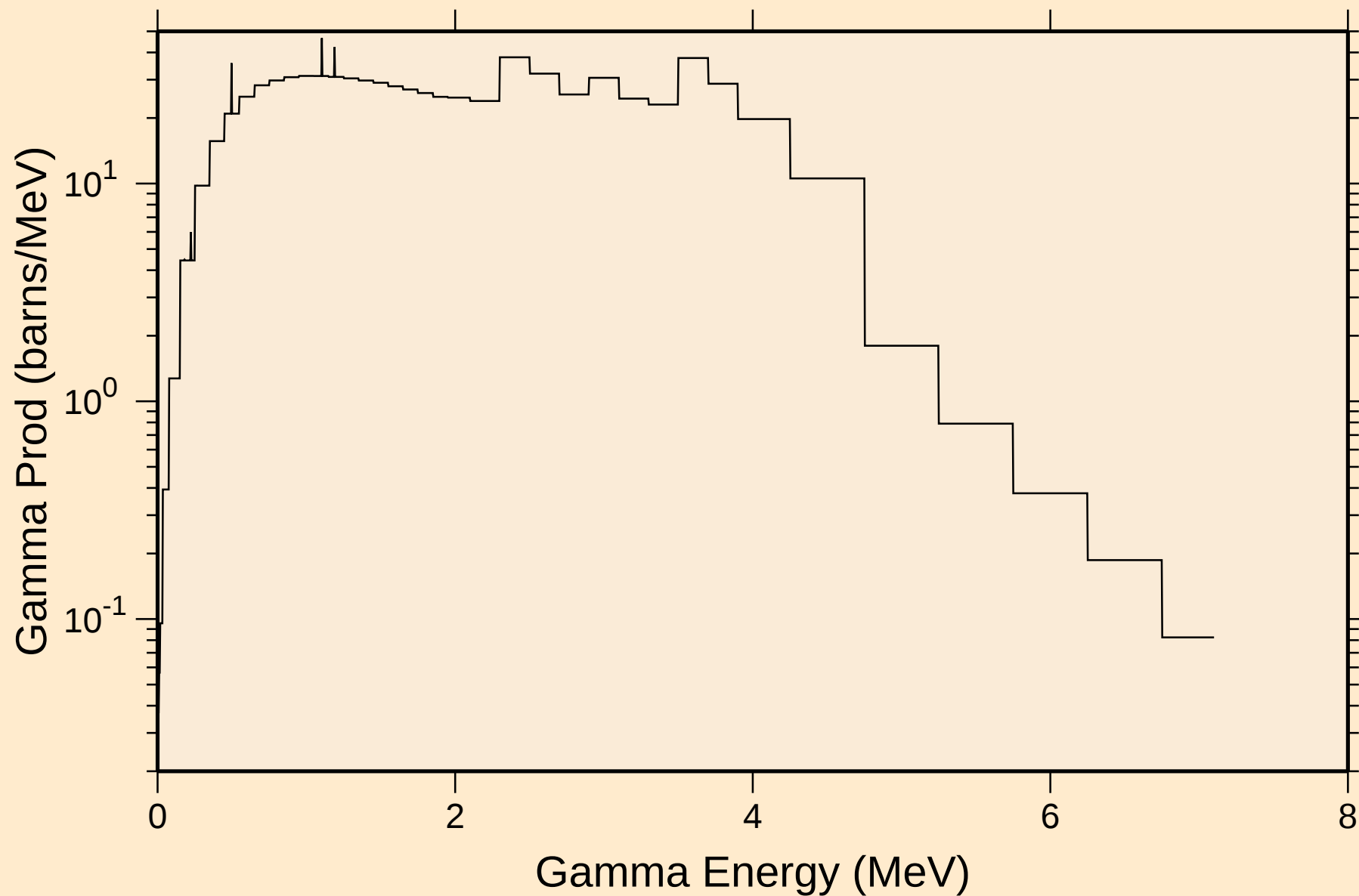
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)



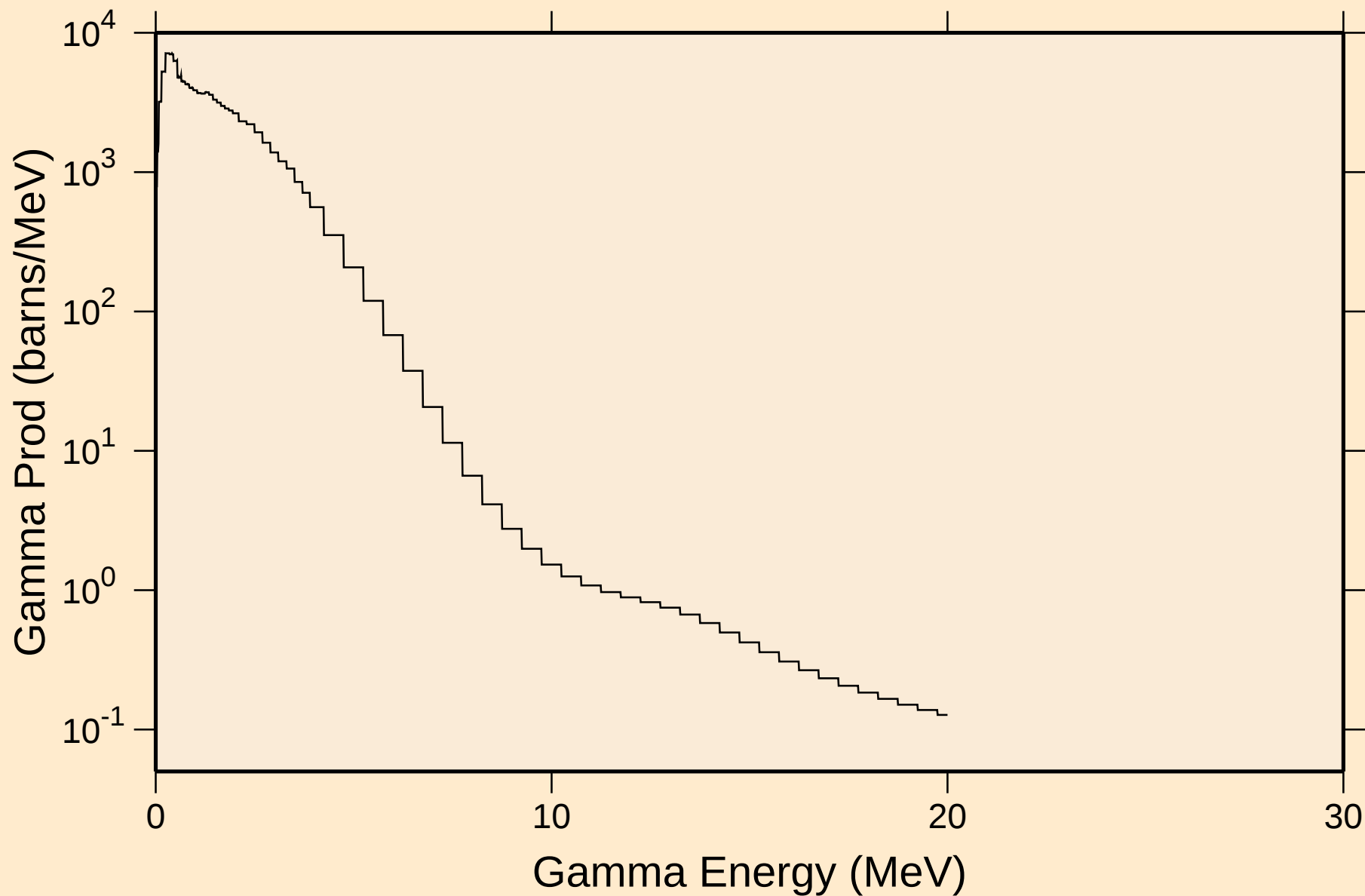
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)



FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
thermal capture photon spectrum

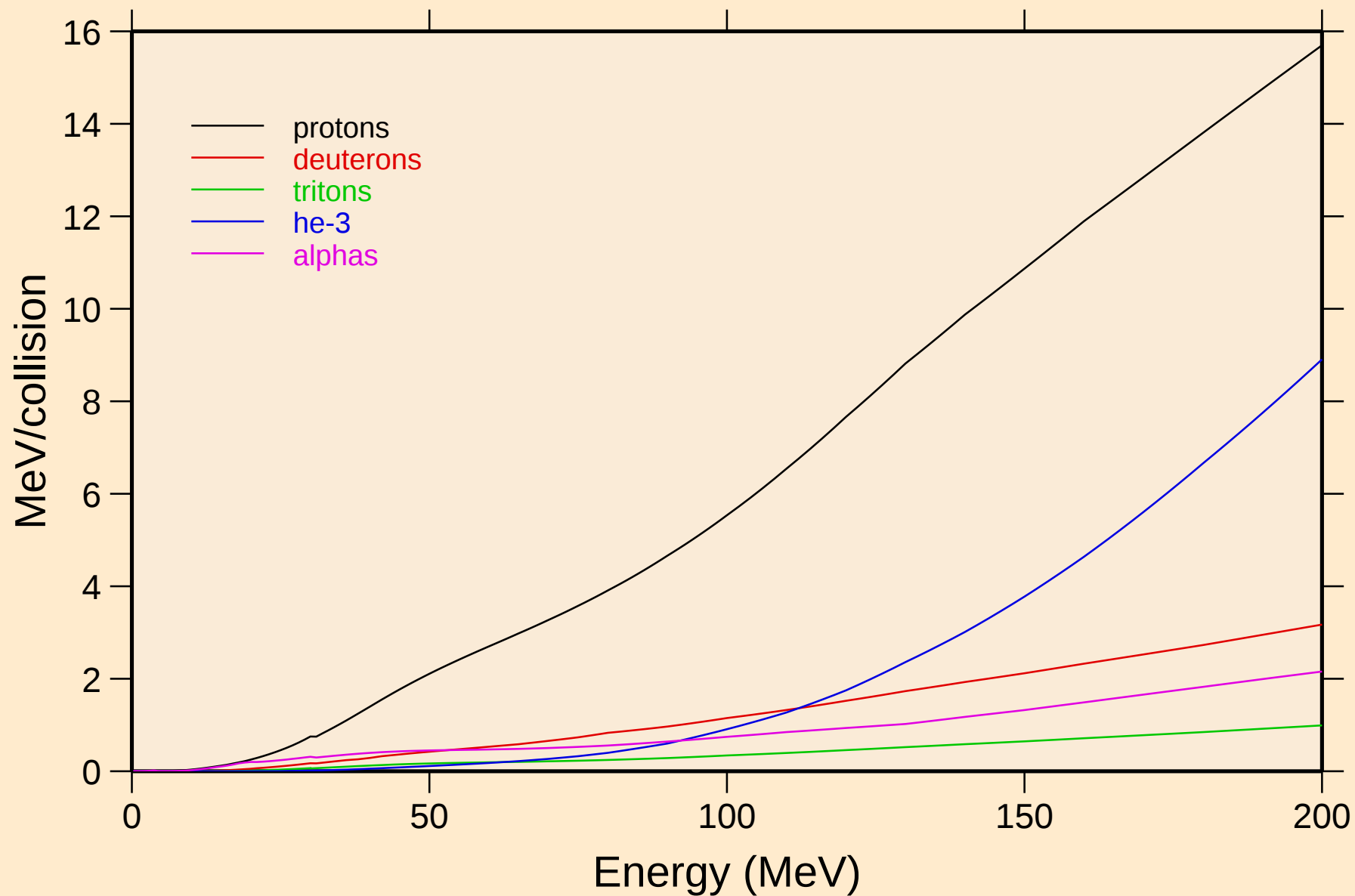


FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
14 MeV photon spectrum



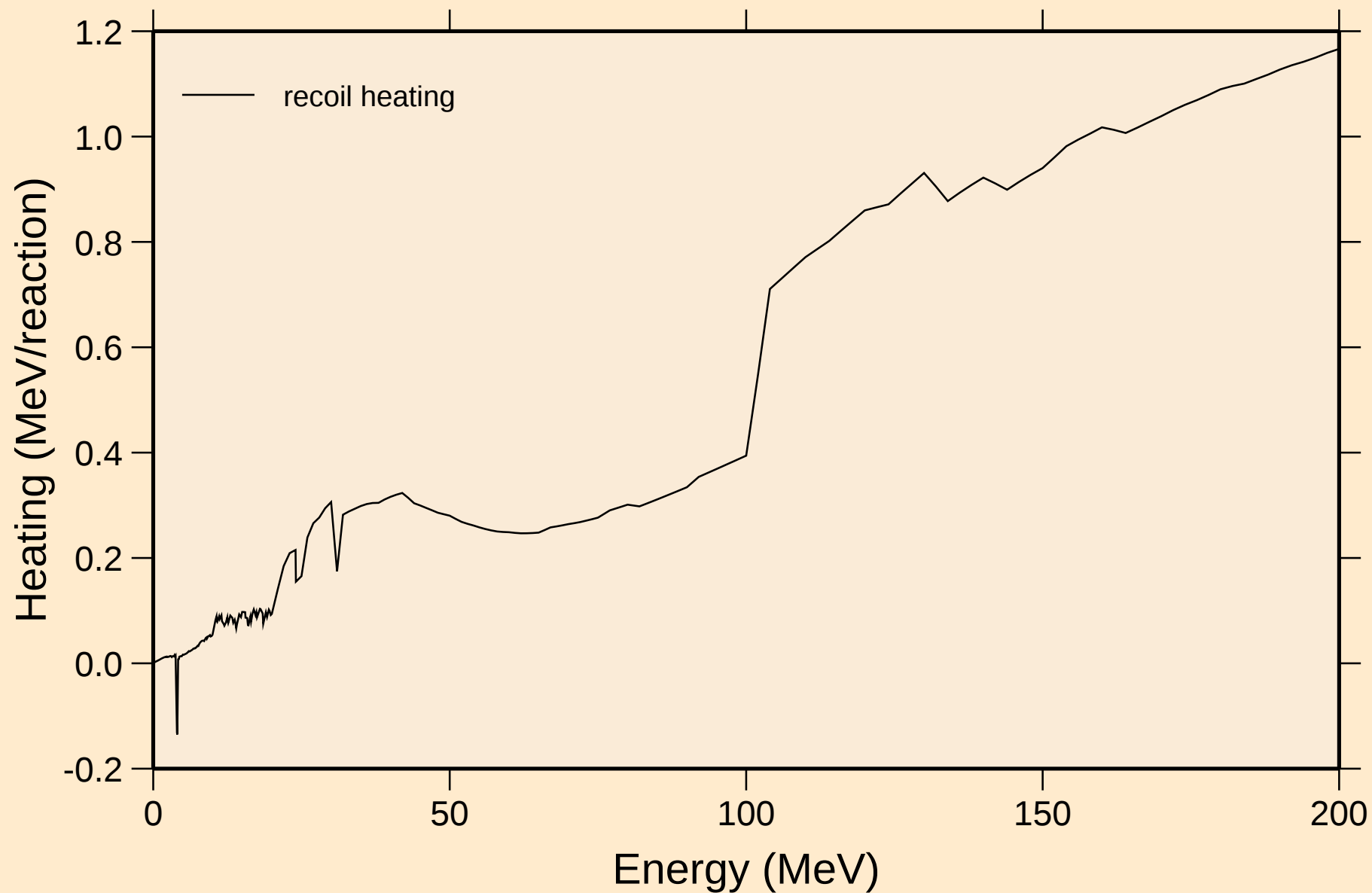
# FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Particle heating contributions



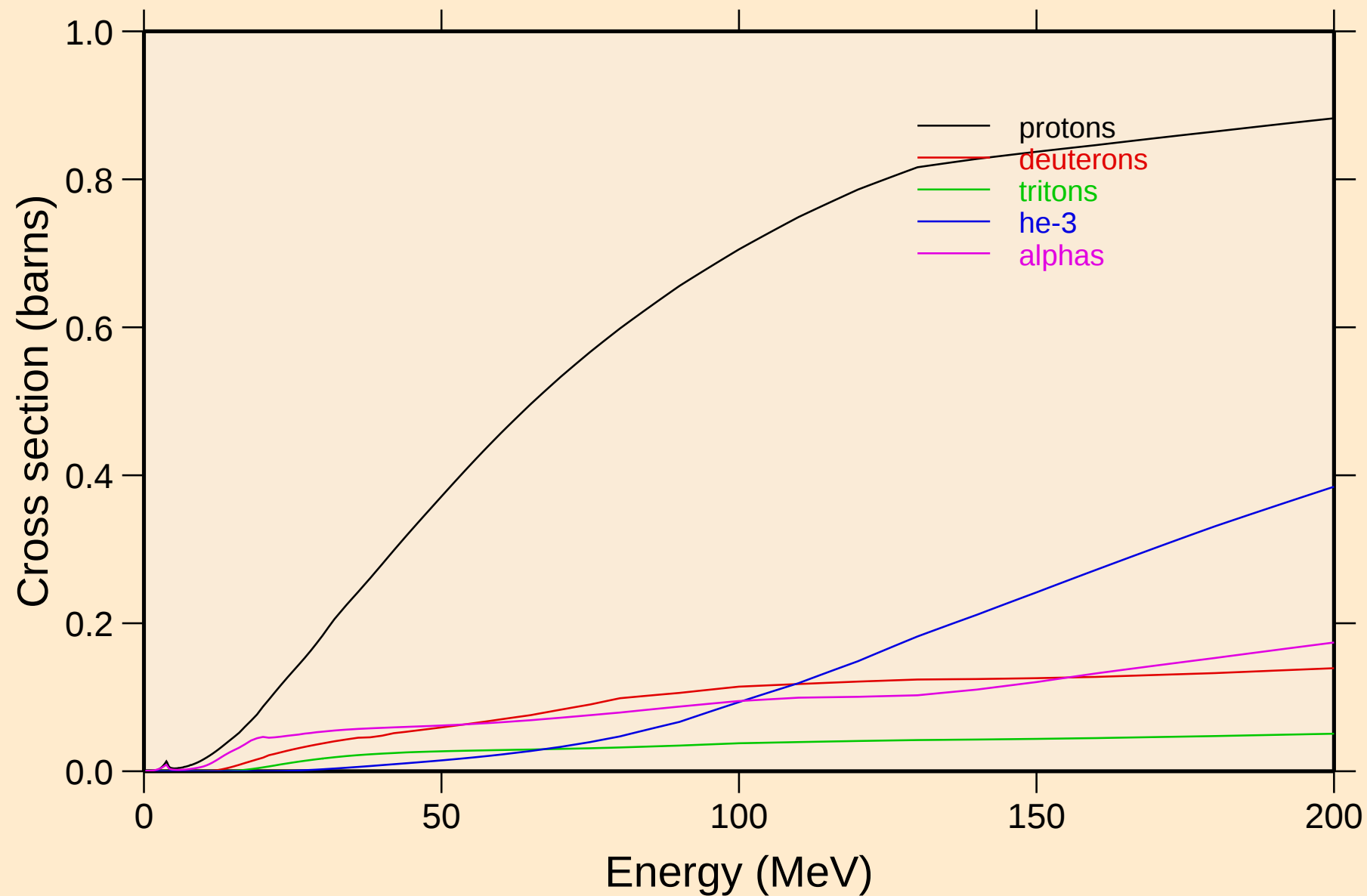
# FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Recoil Heating

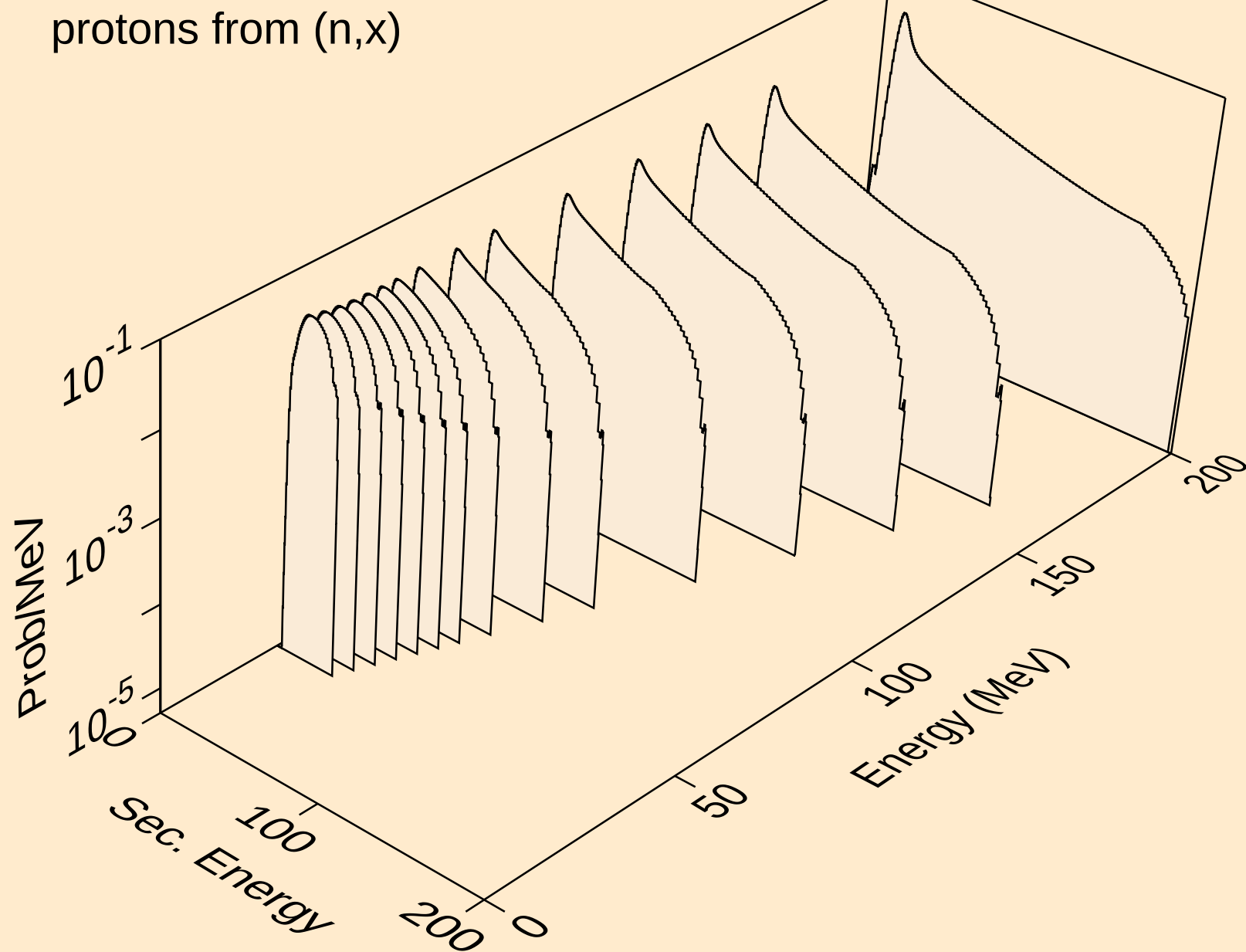


# FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

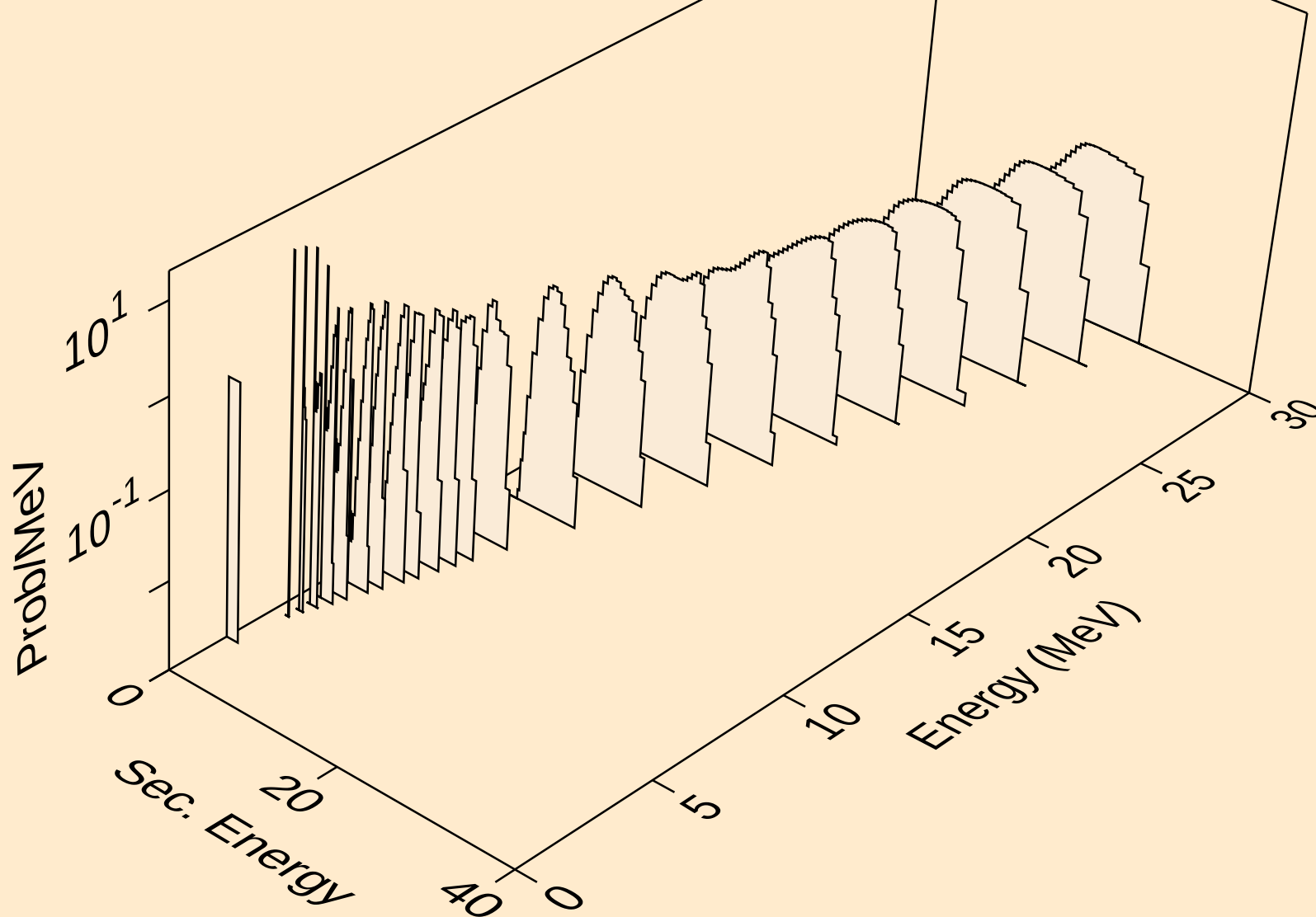
## Particle production cross sections



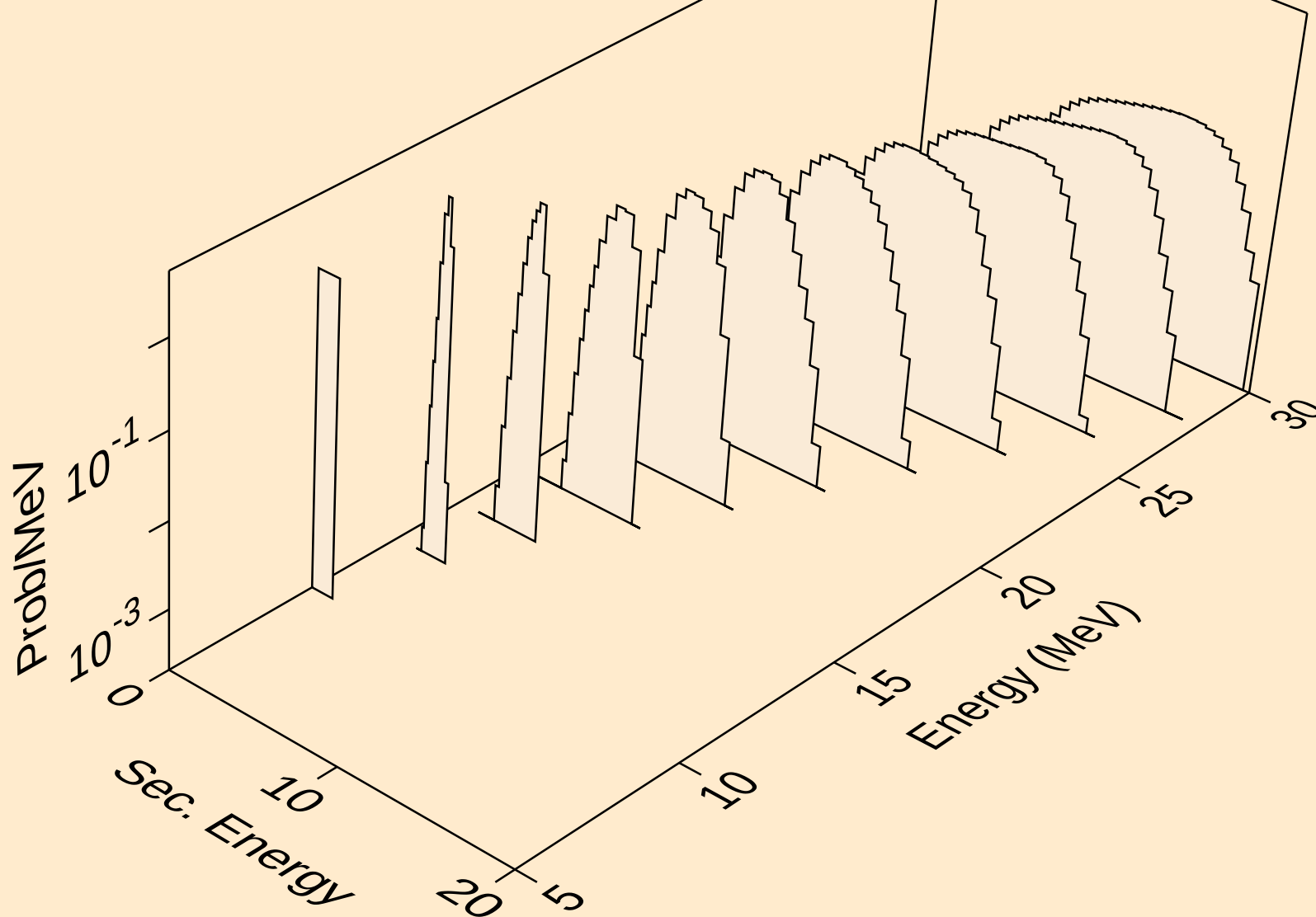
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,x)



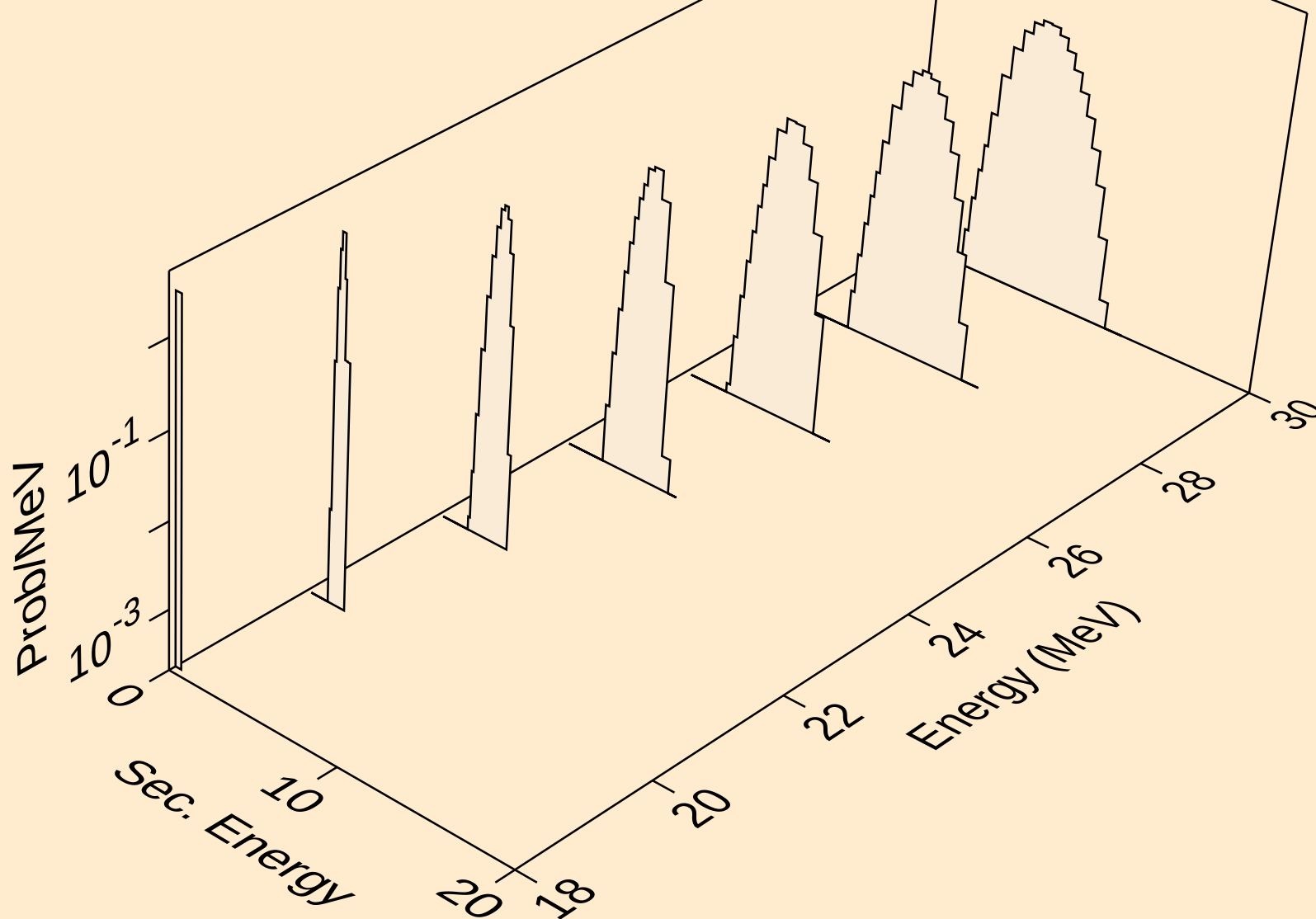
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n\*)p



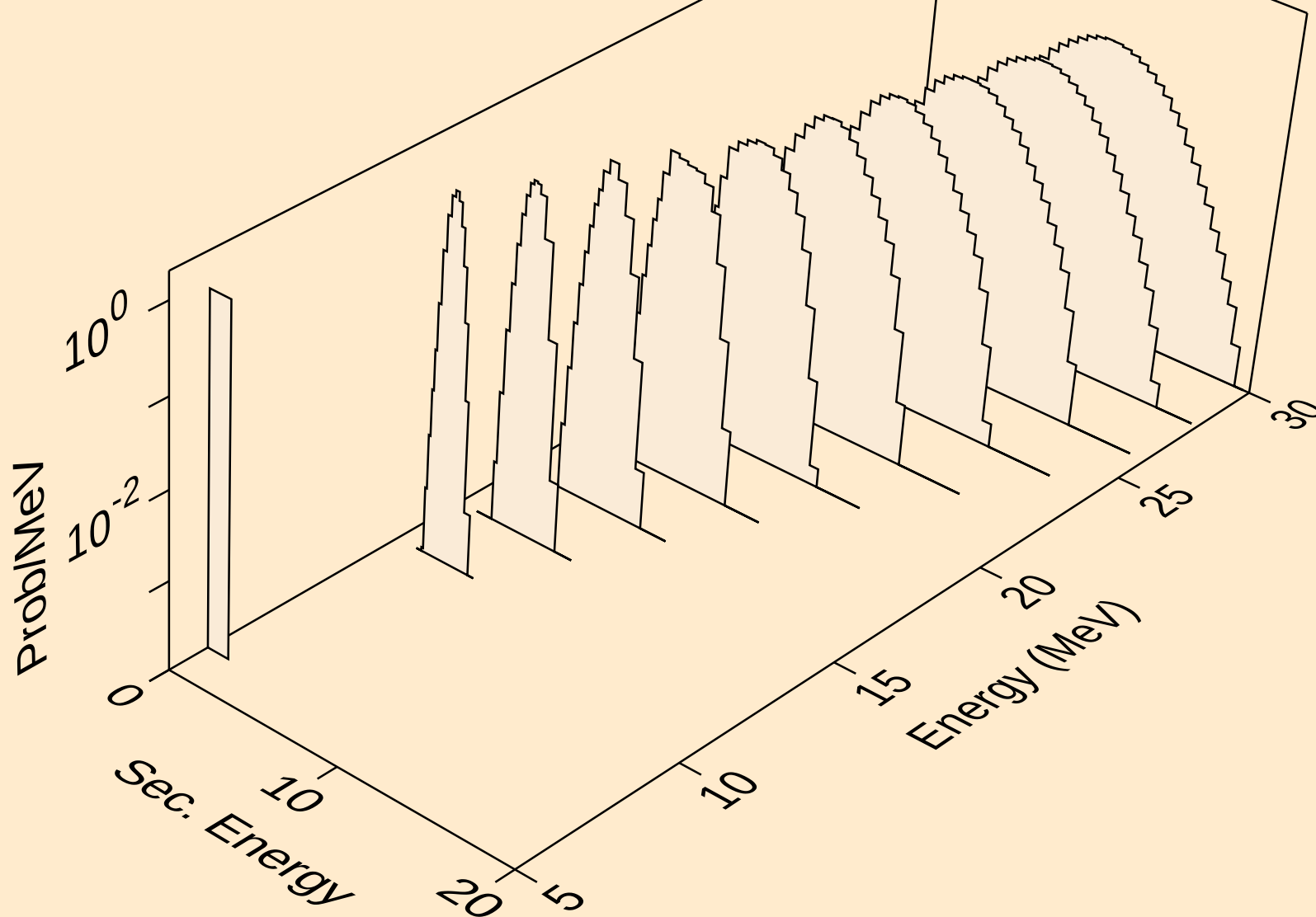
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,2np)



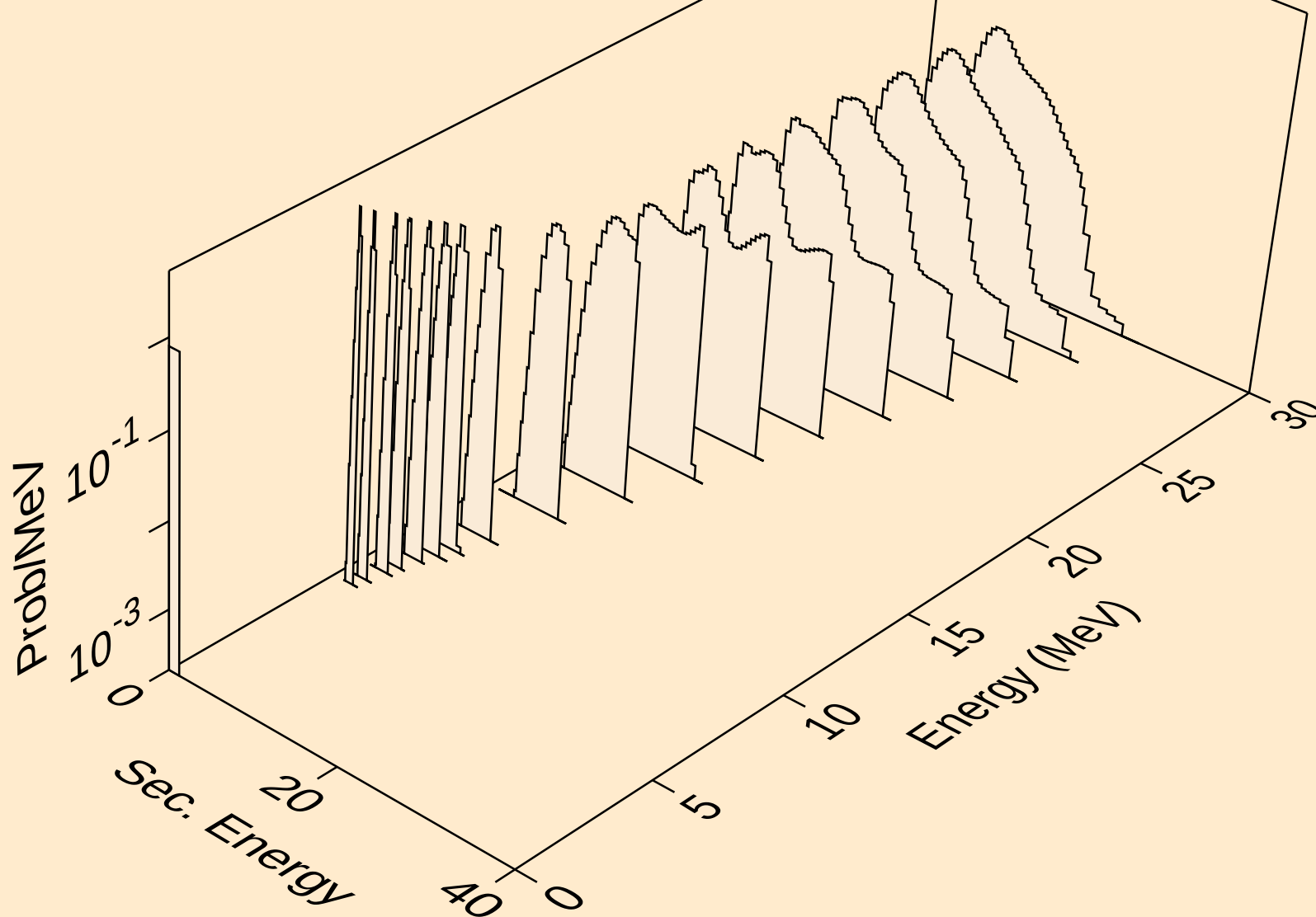
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,3np)



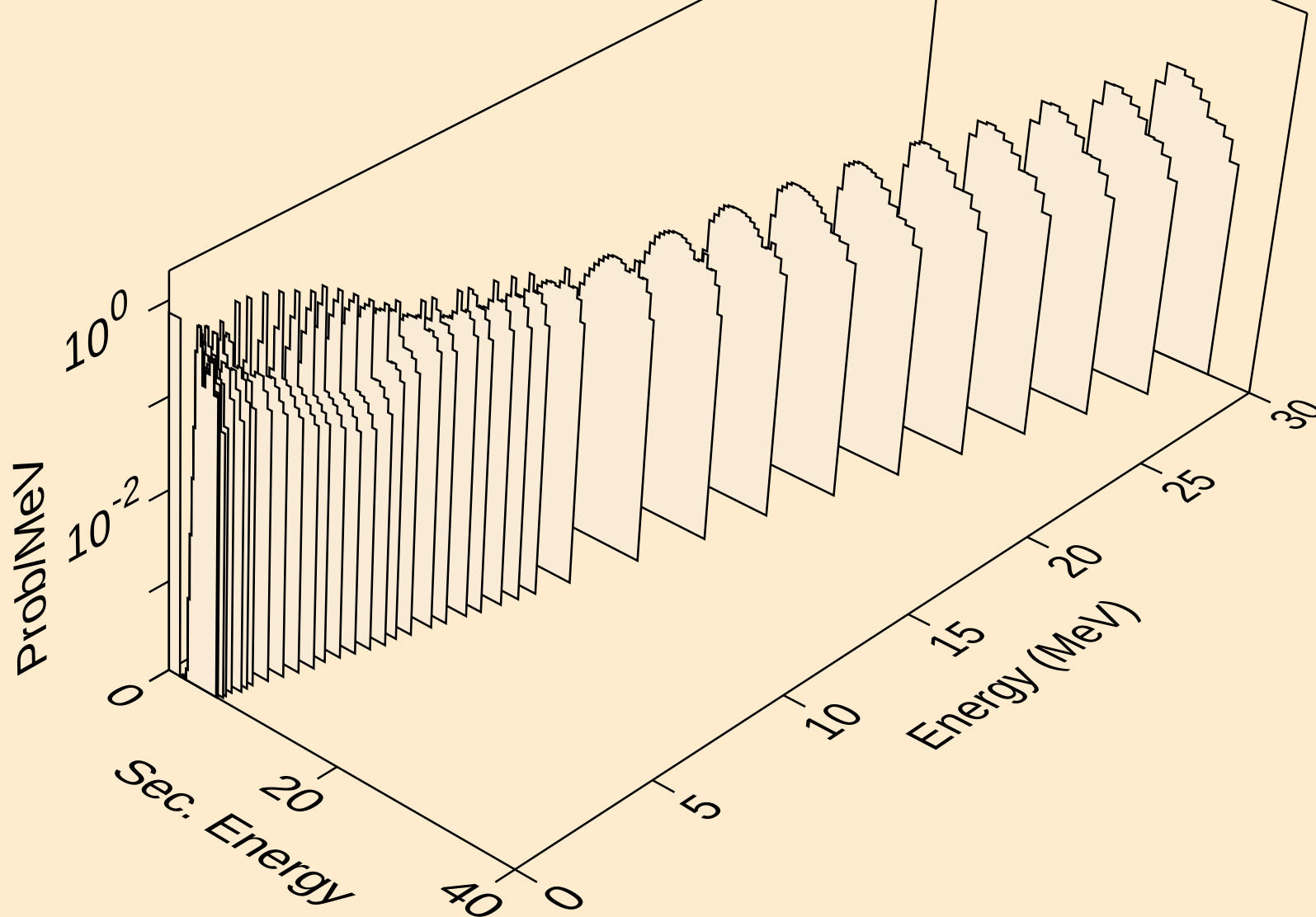
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n2p)



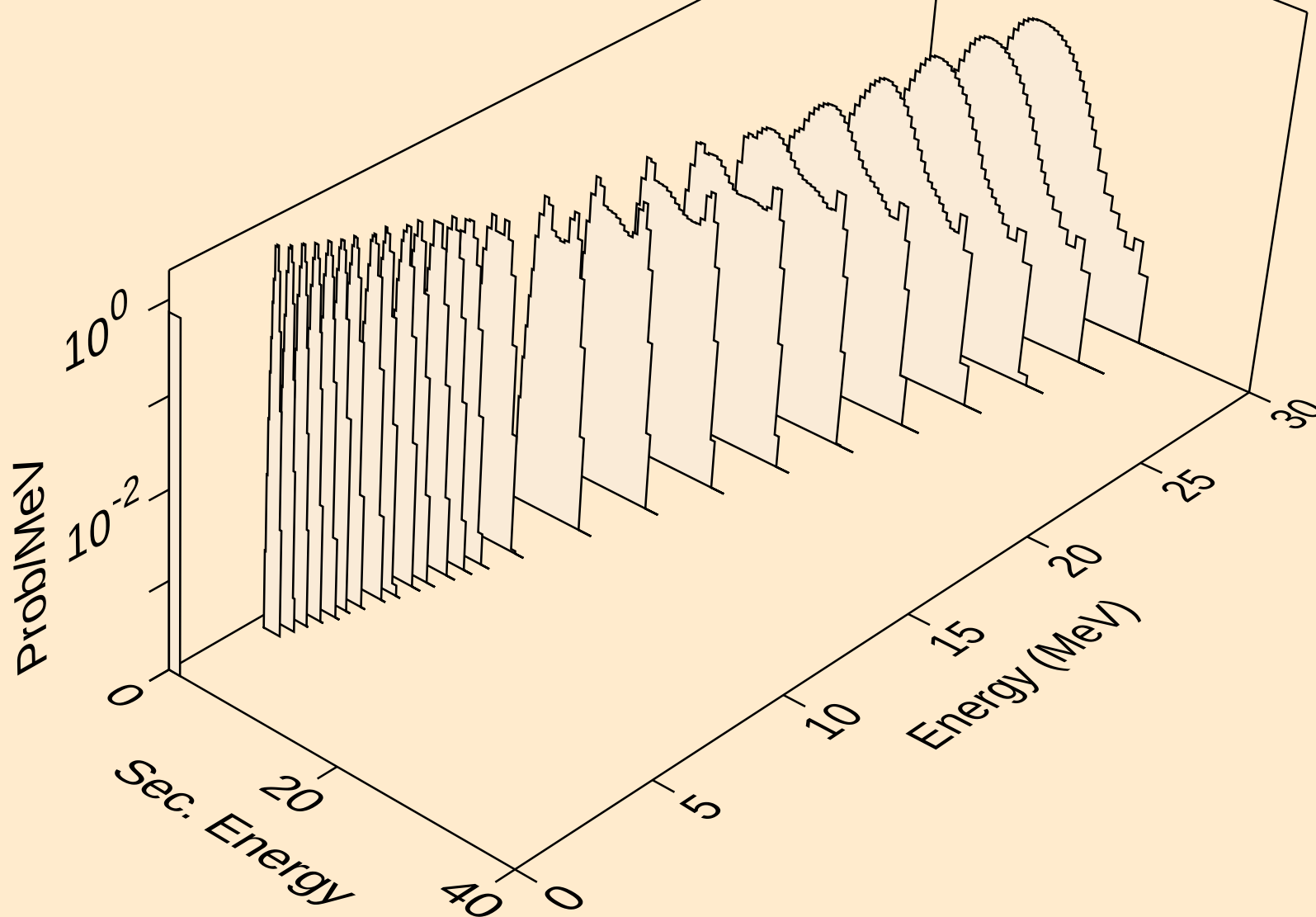
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,npa)



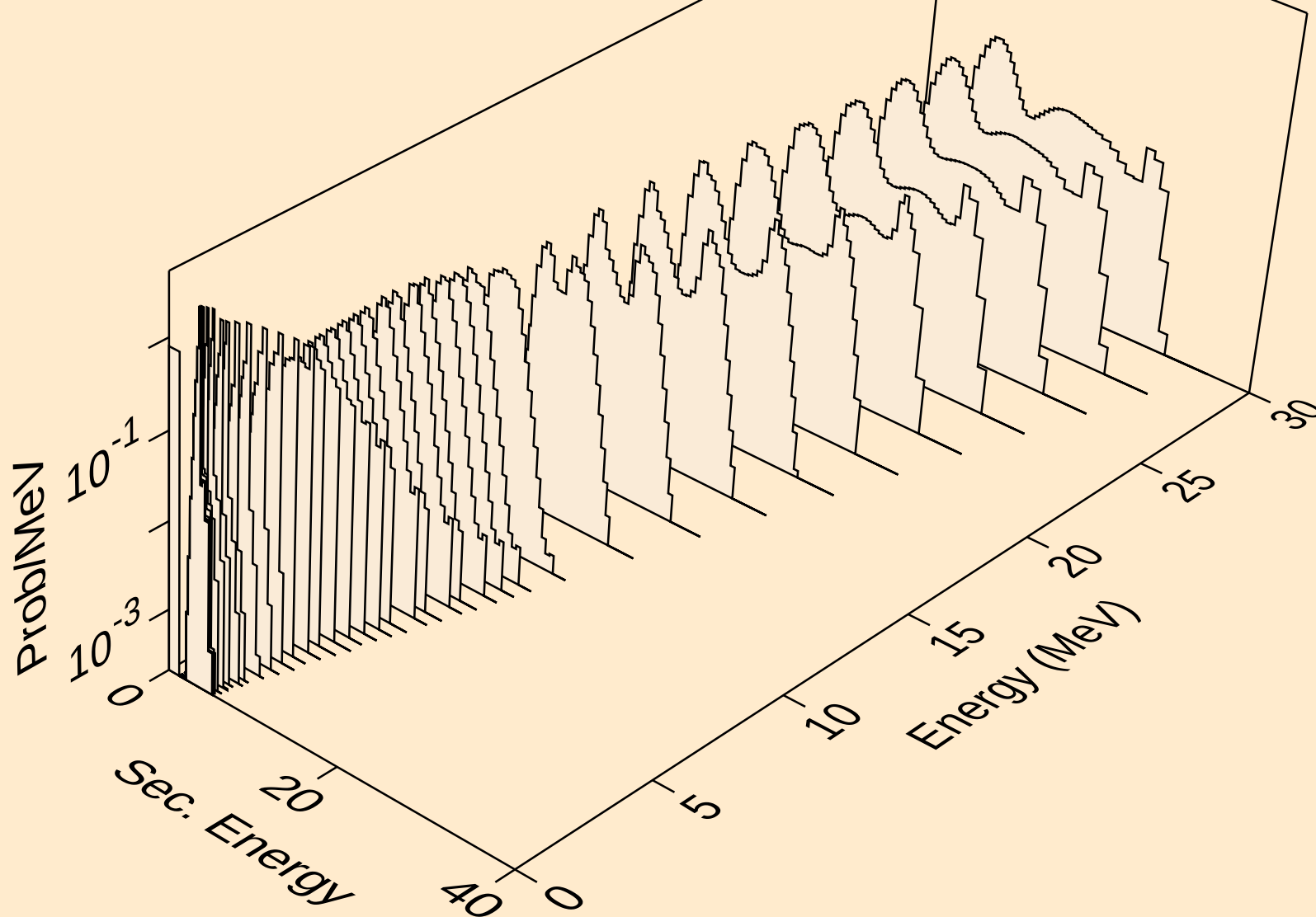
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,p)



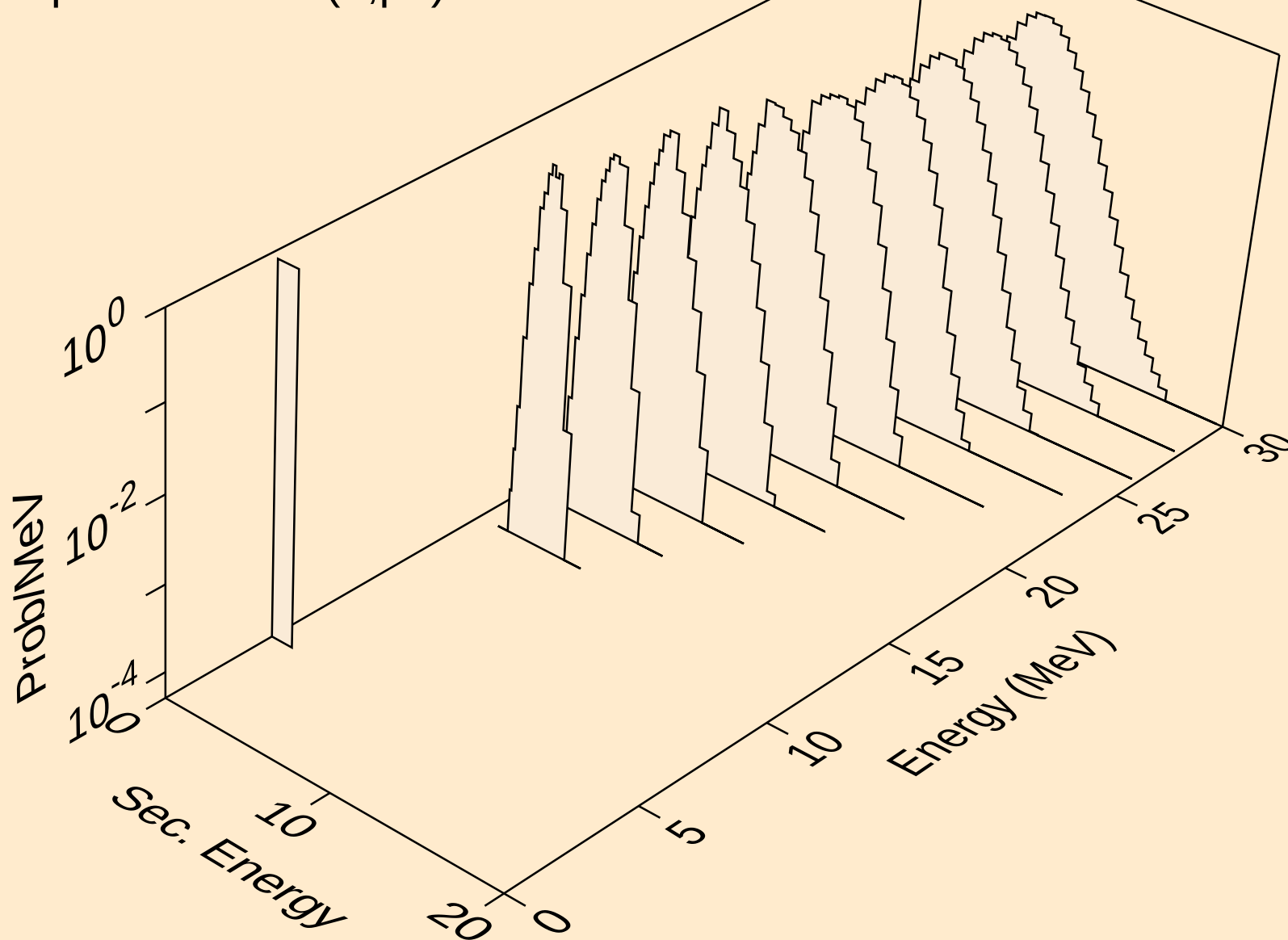
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,2p)



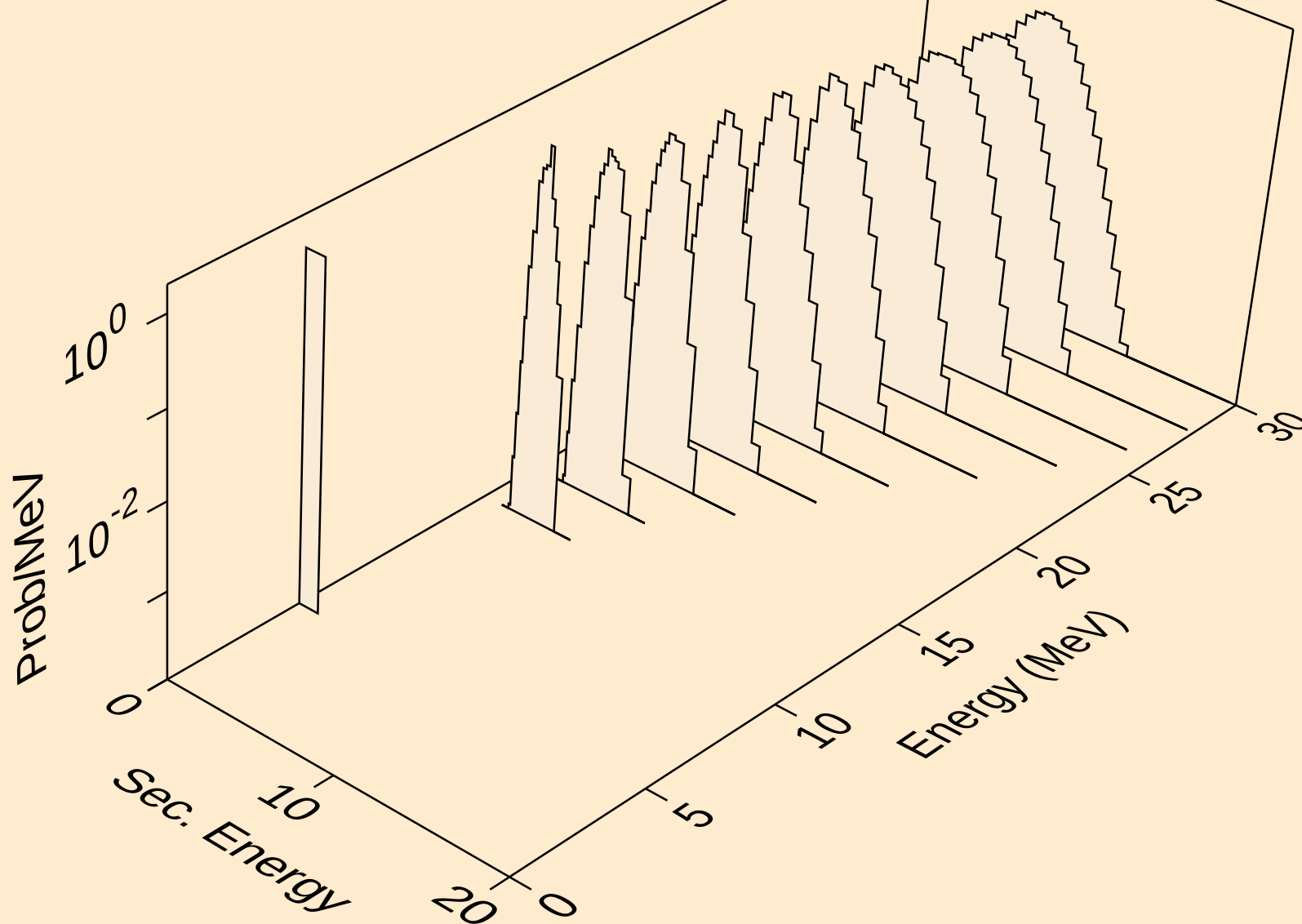
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,p)



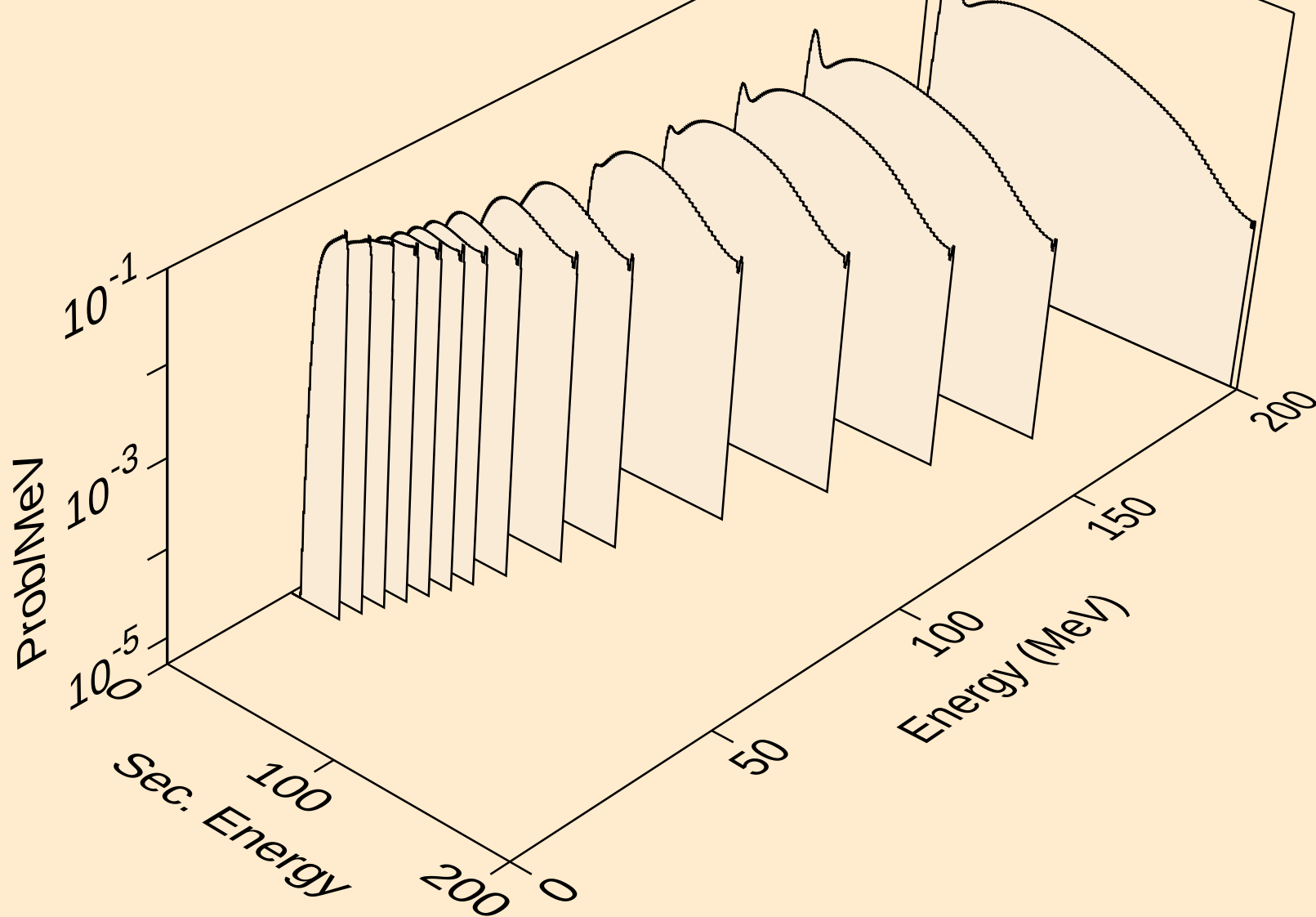
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,pd)



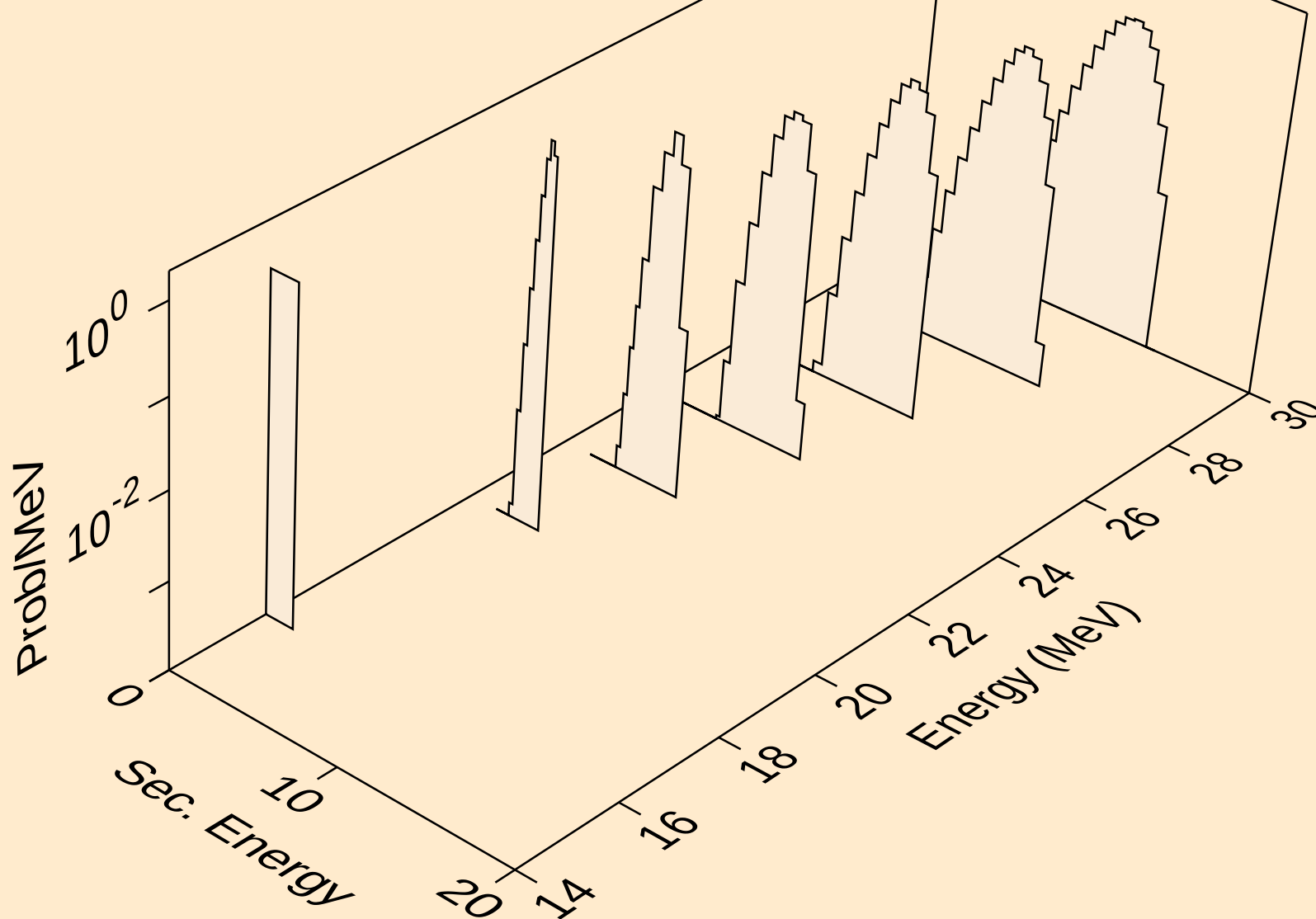
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,pt)



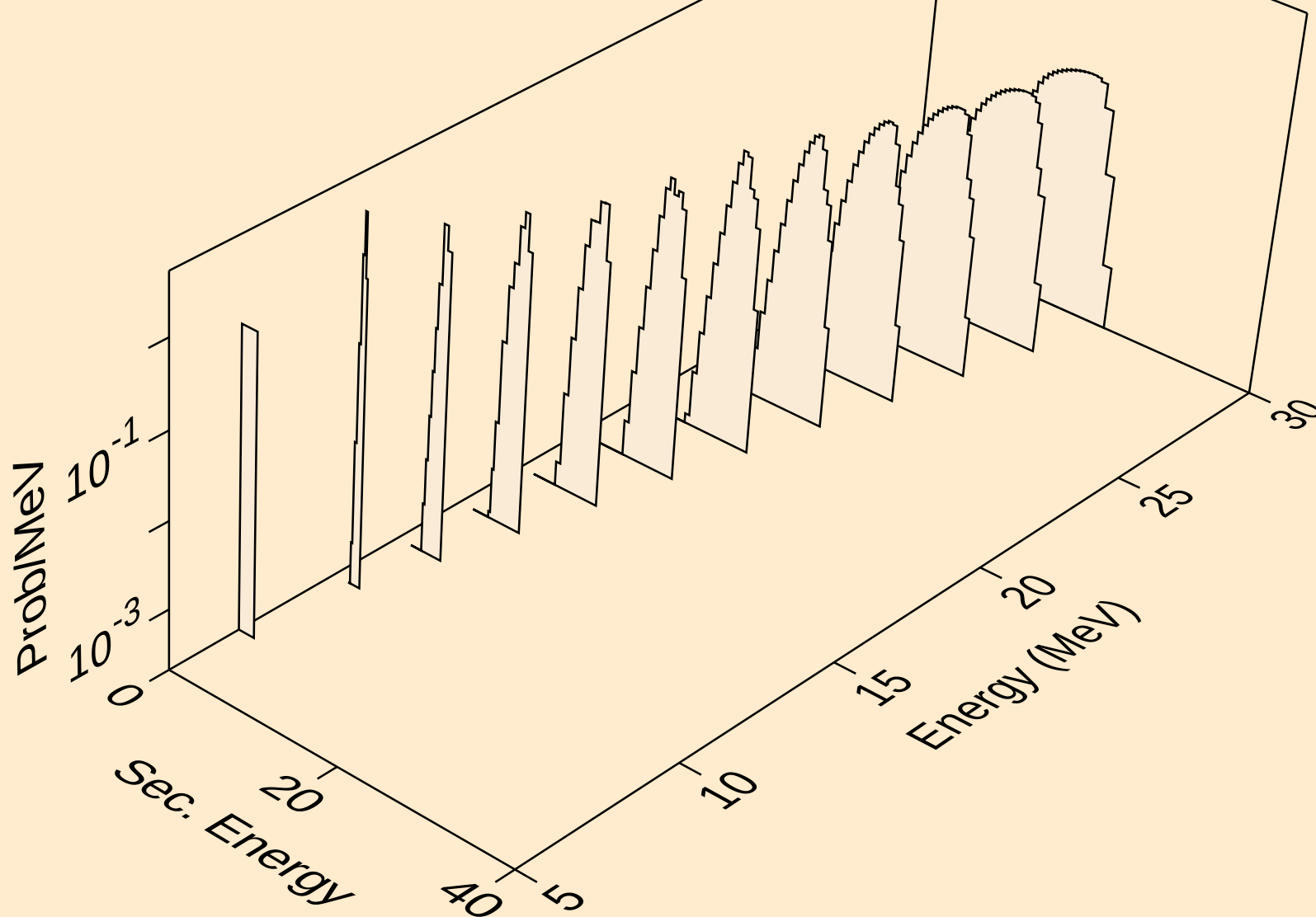
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,x)



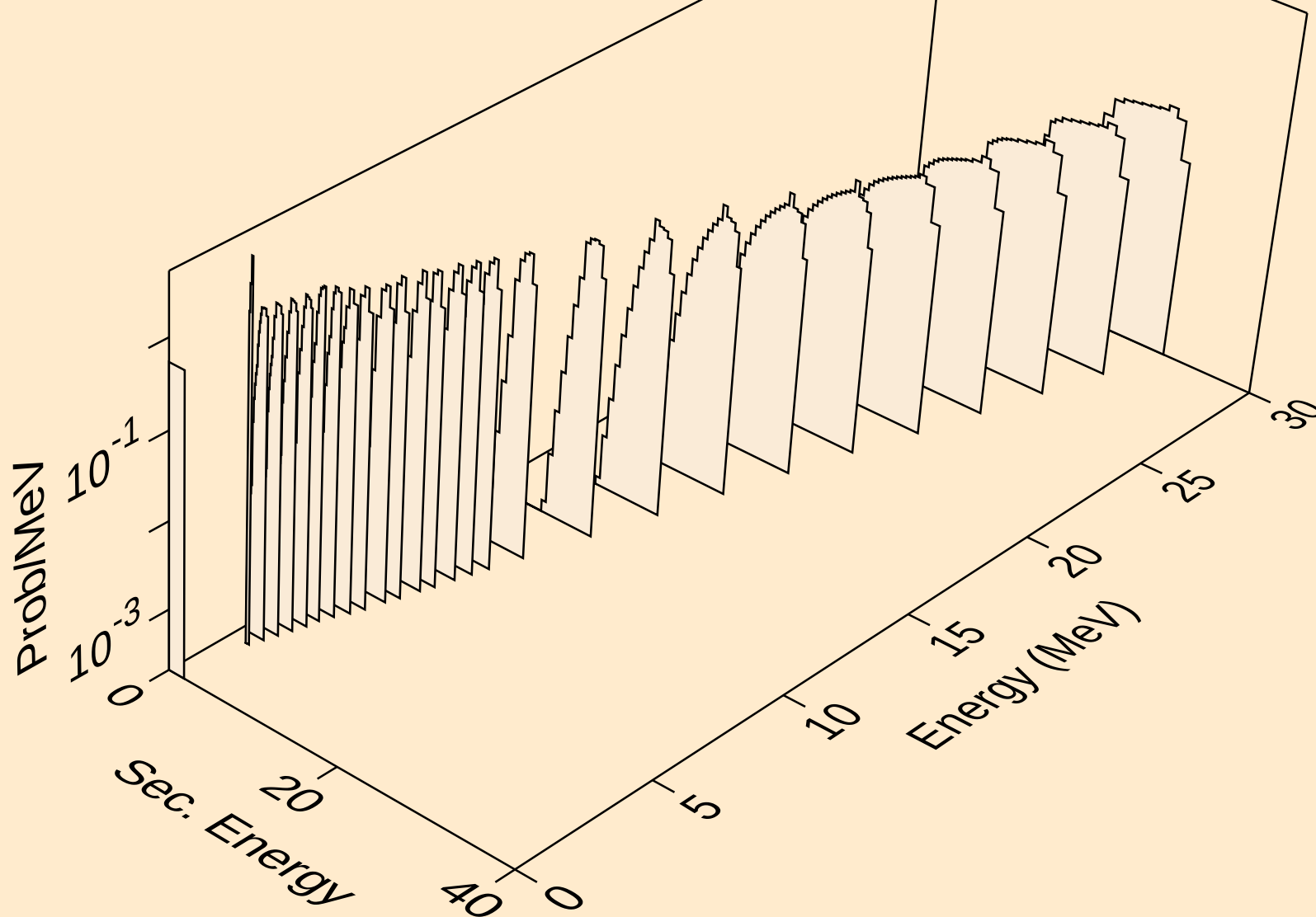
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,2nd)



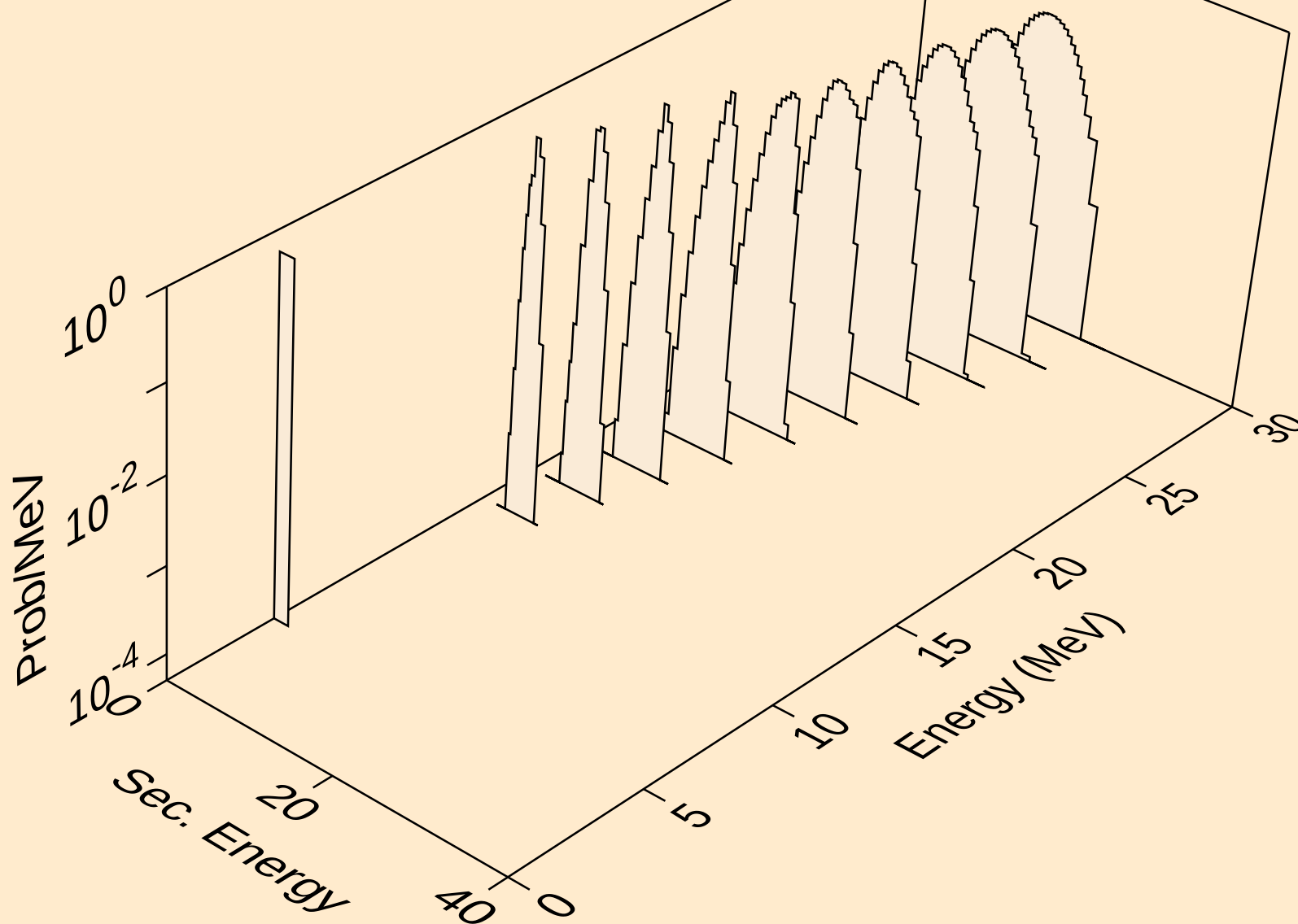
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,n\*)d



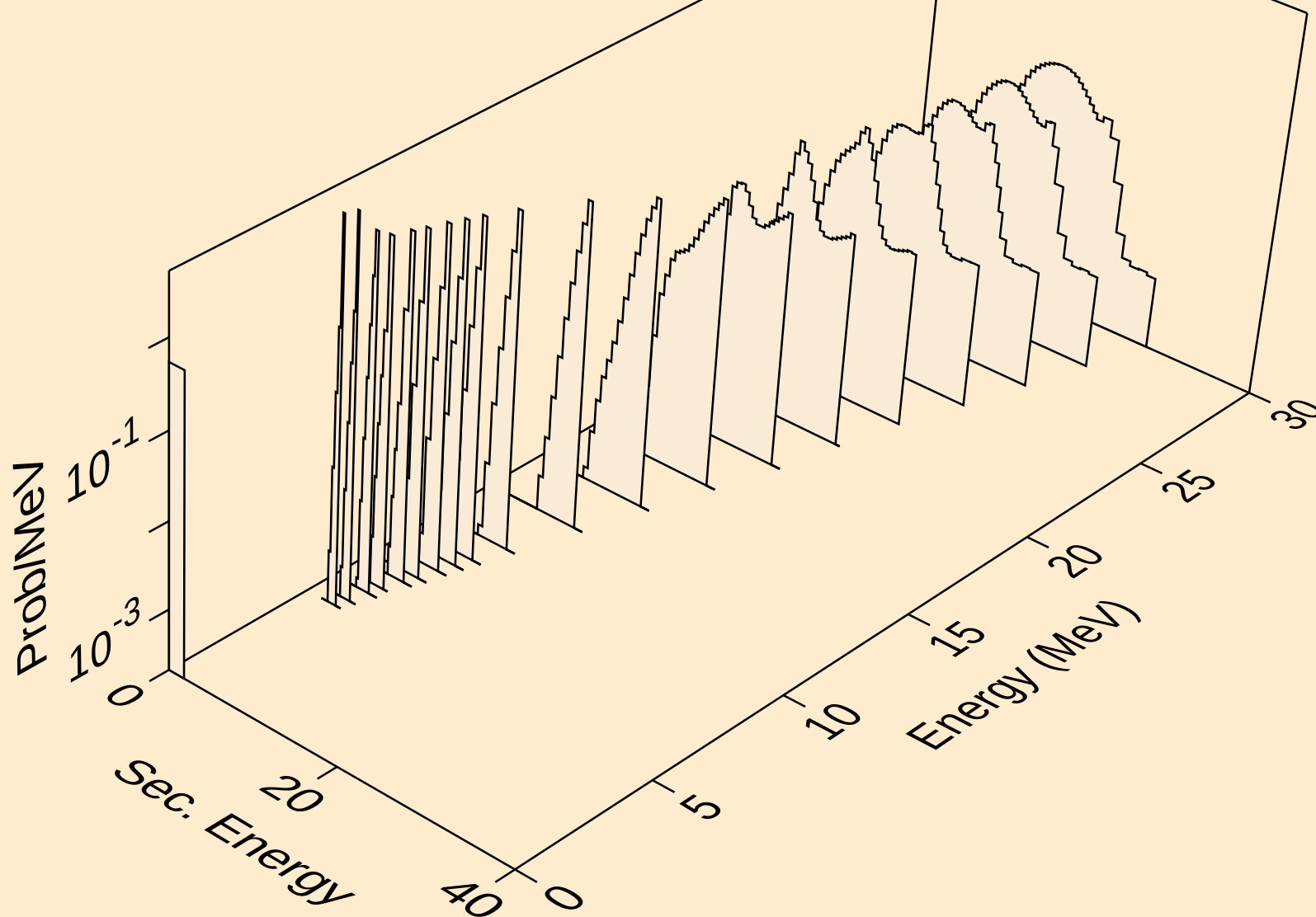
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,d)



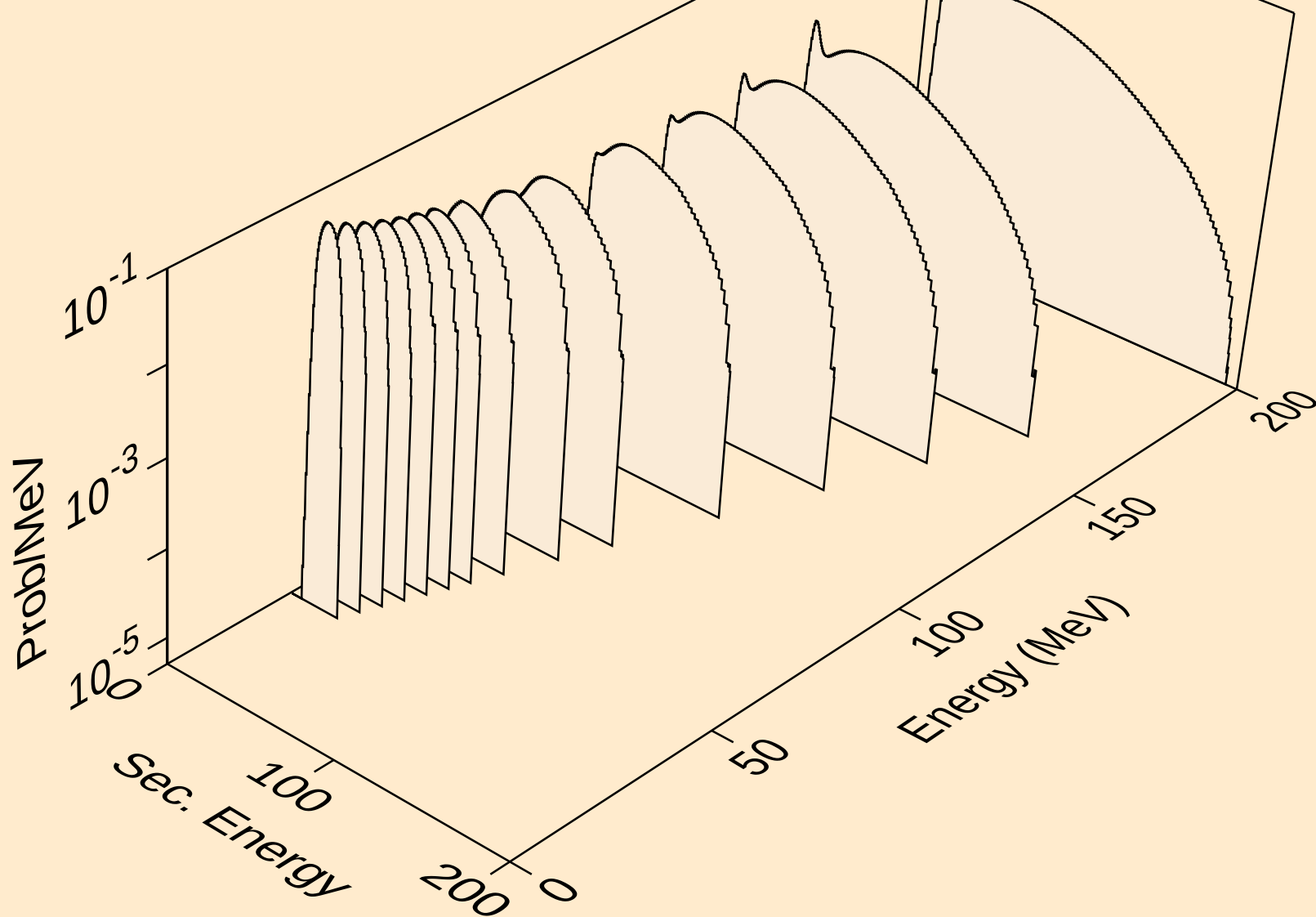
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,pd)



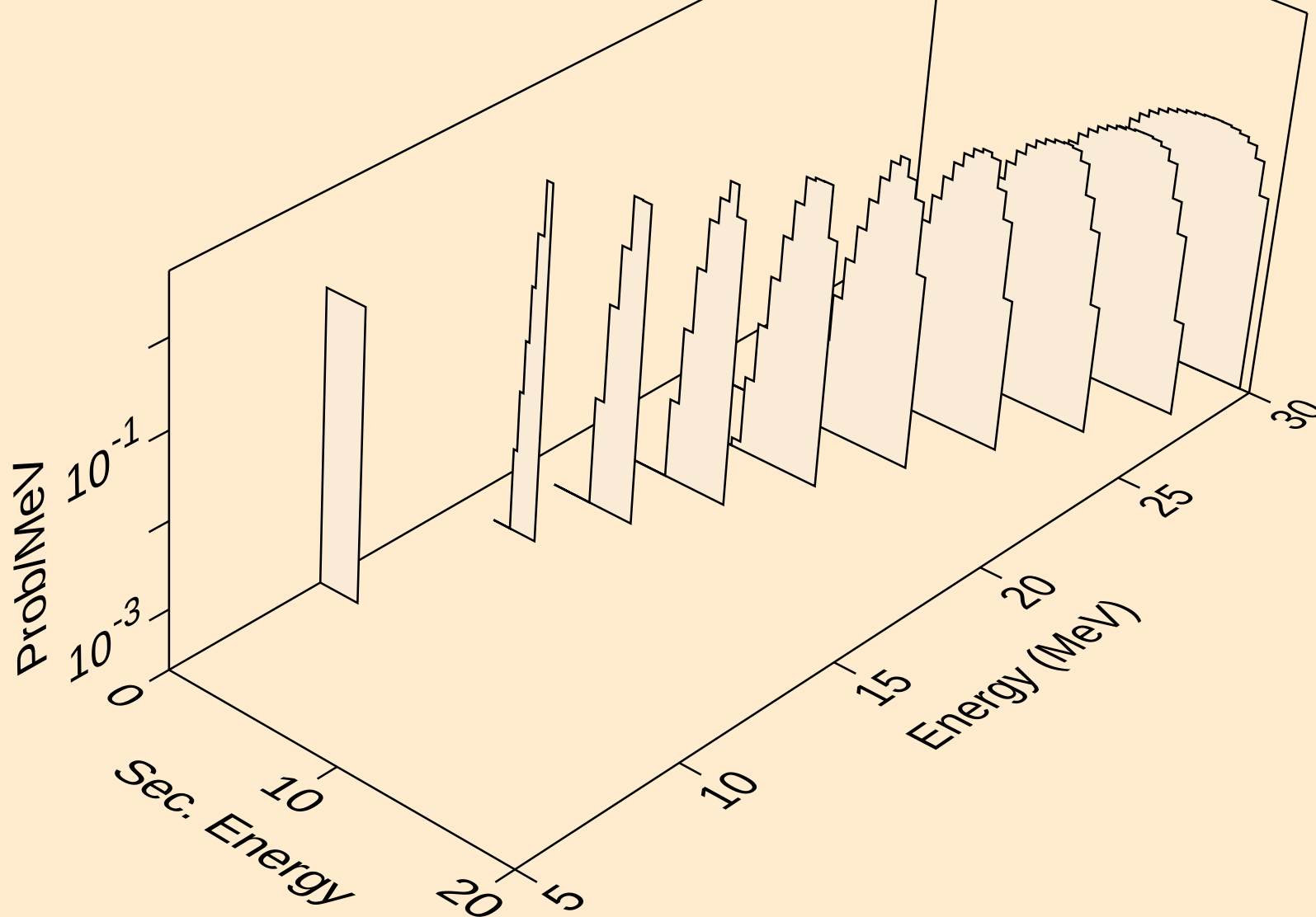
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,da)



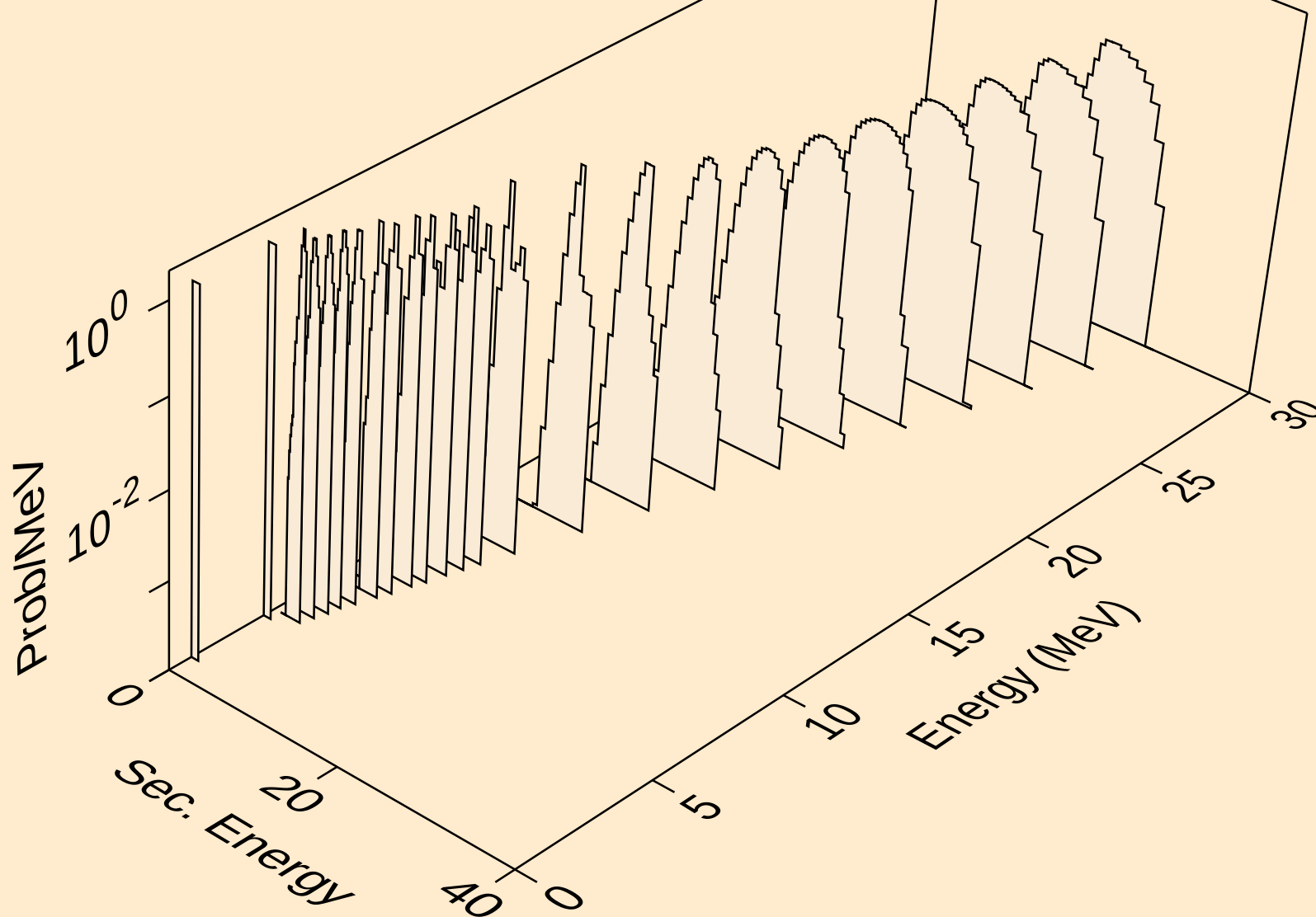
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,x)



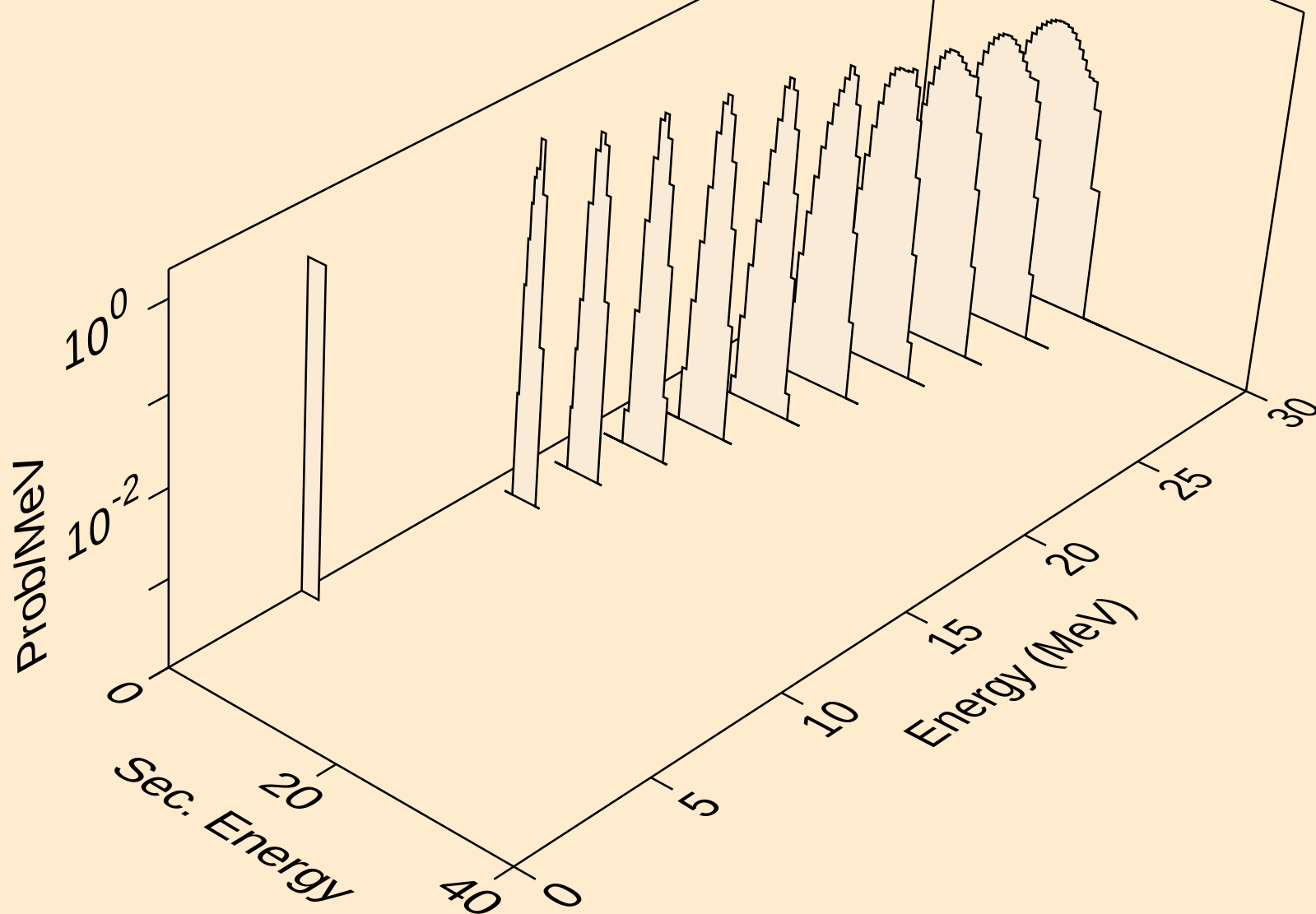
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,n\*)t



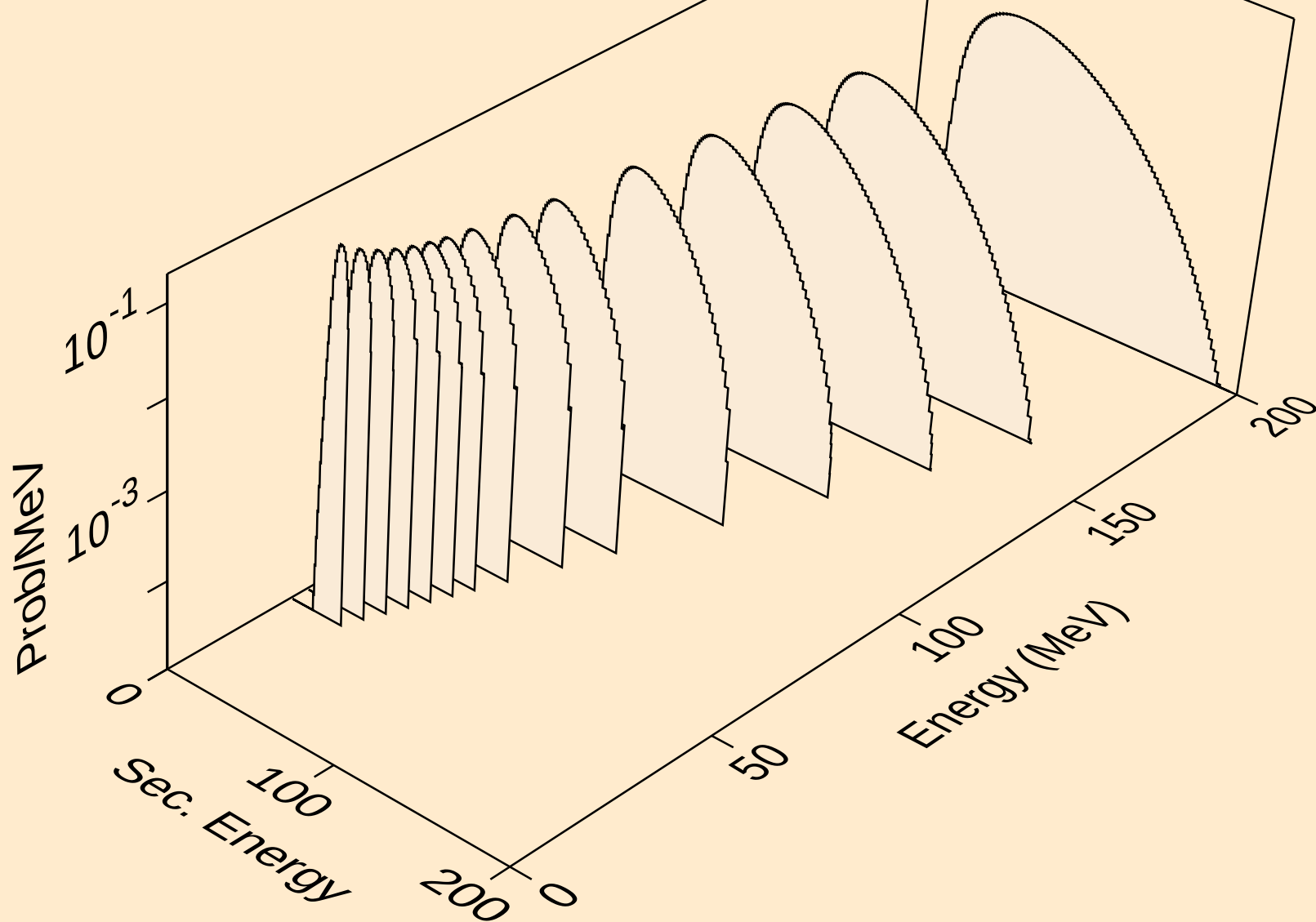
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,t)



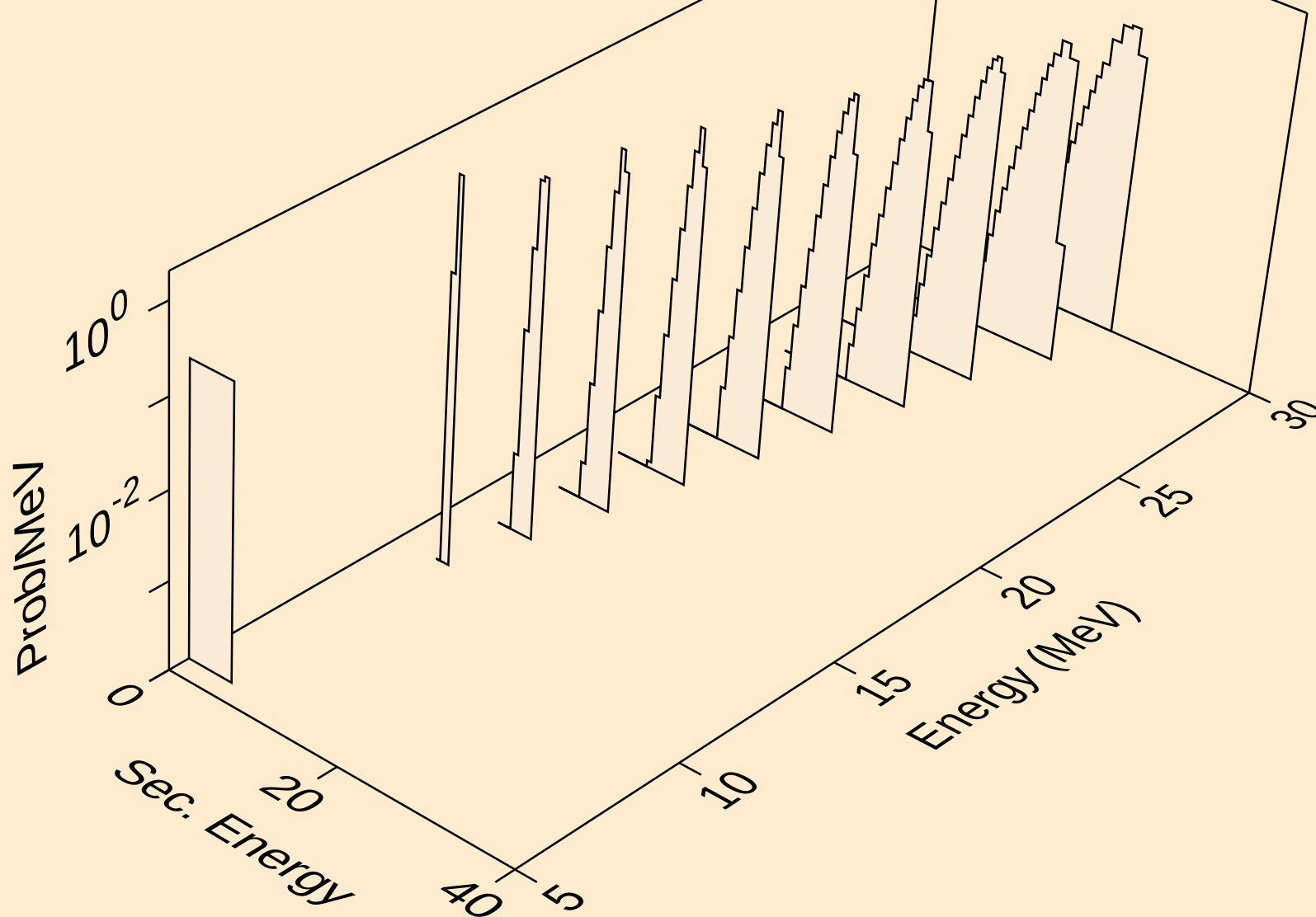
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,pt)



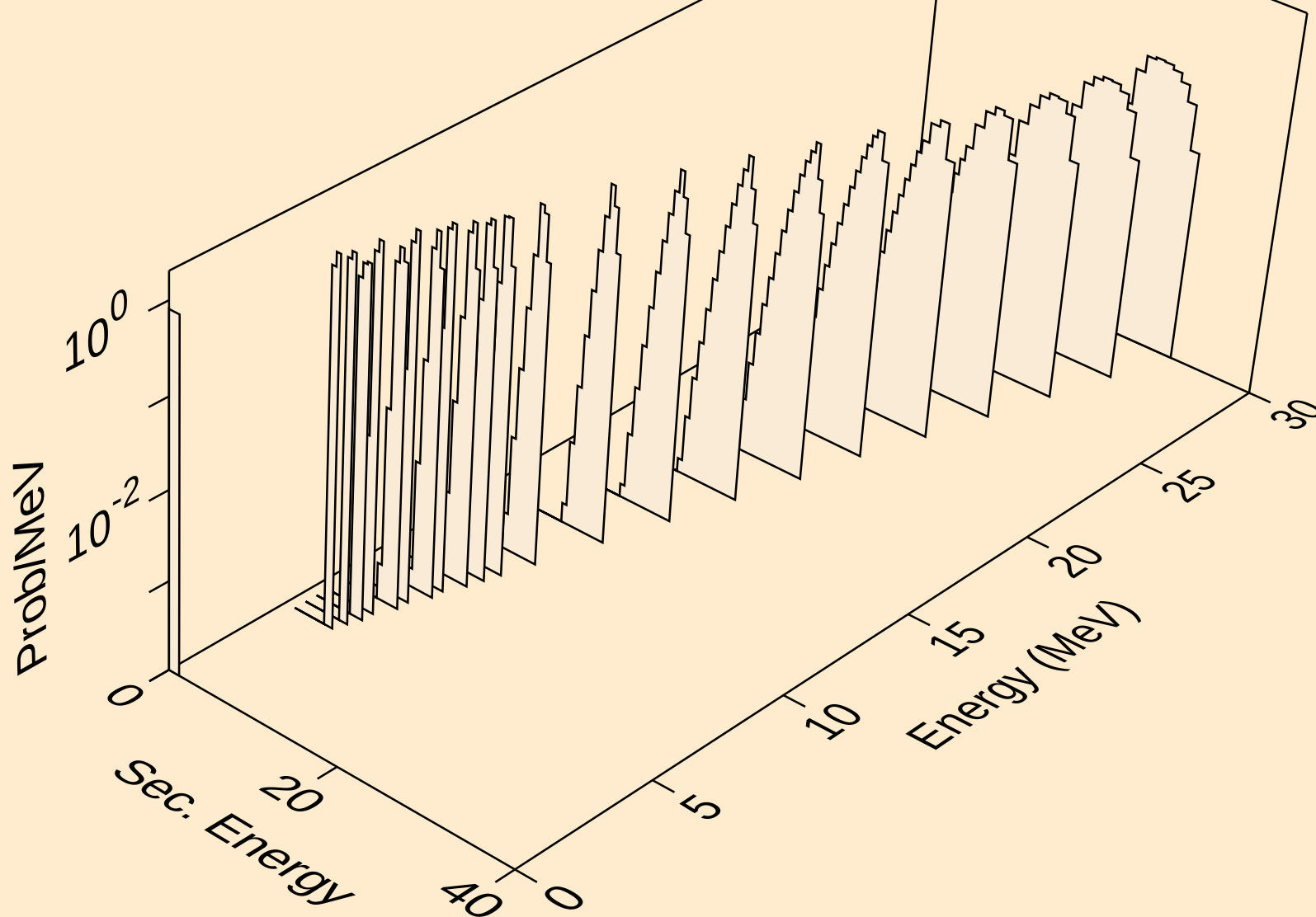
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,x)



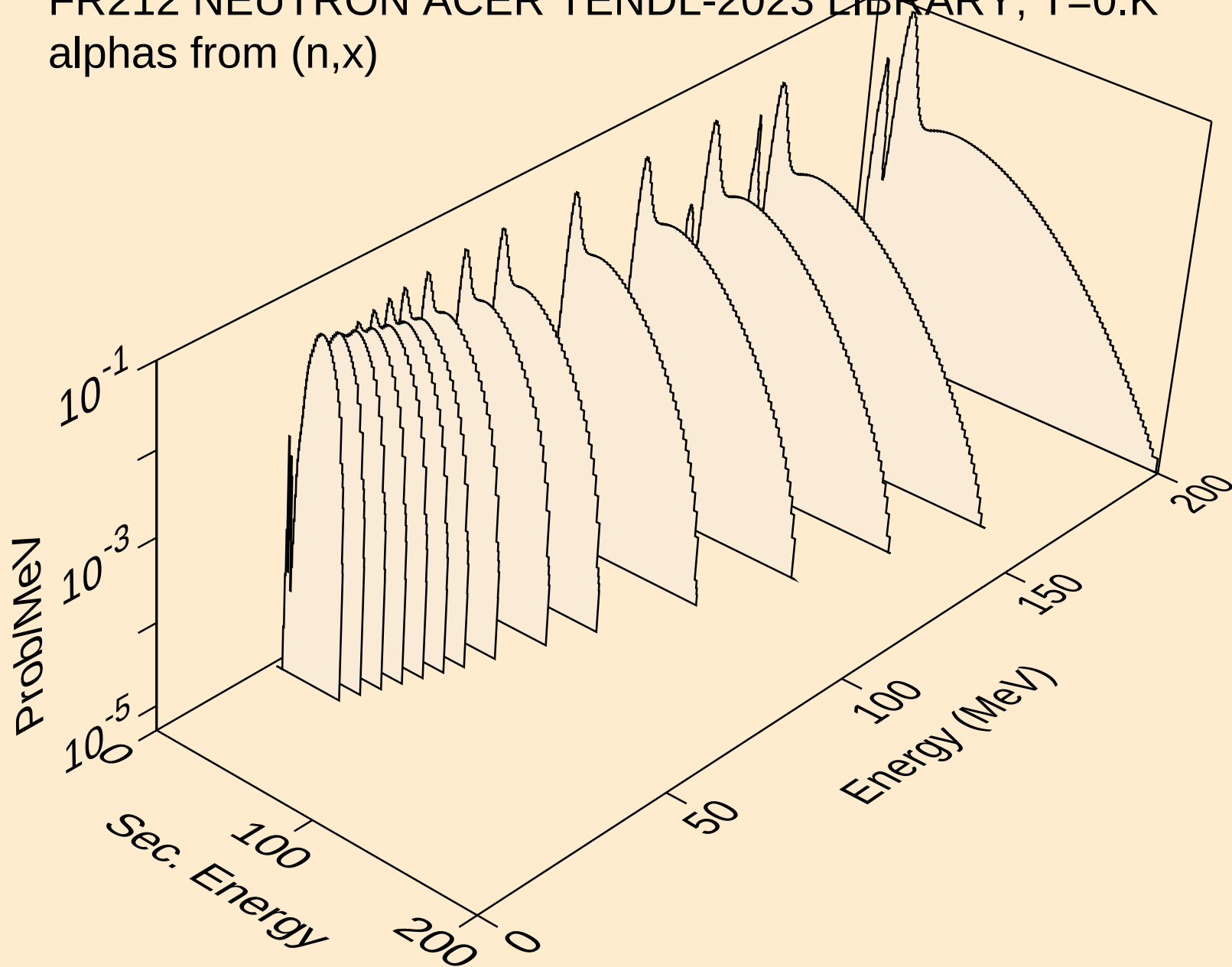
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,n\*)he3



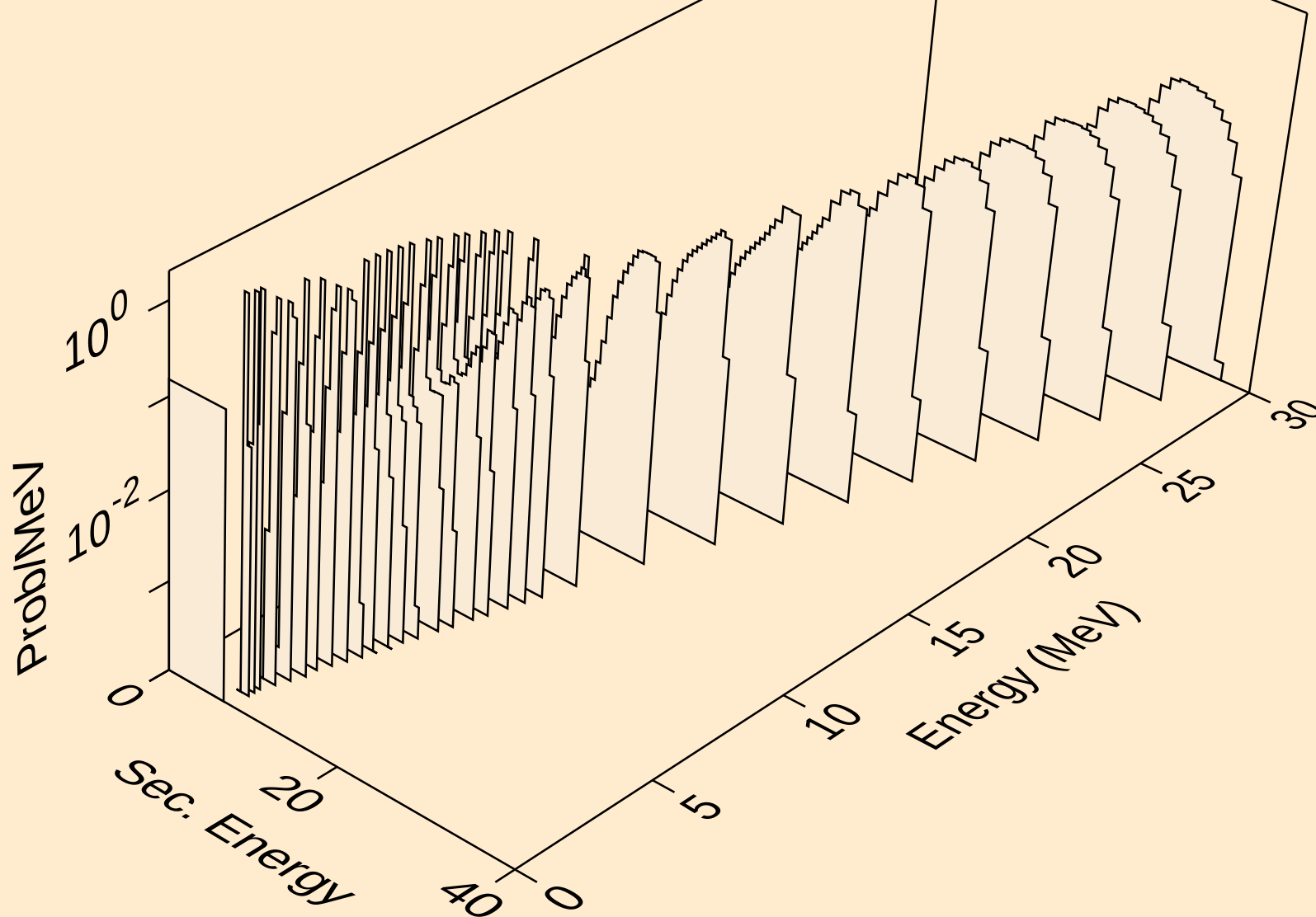
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,he3)



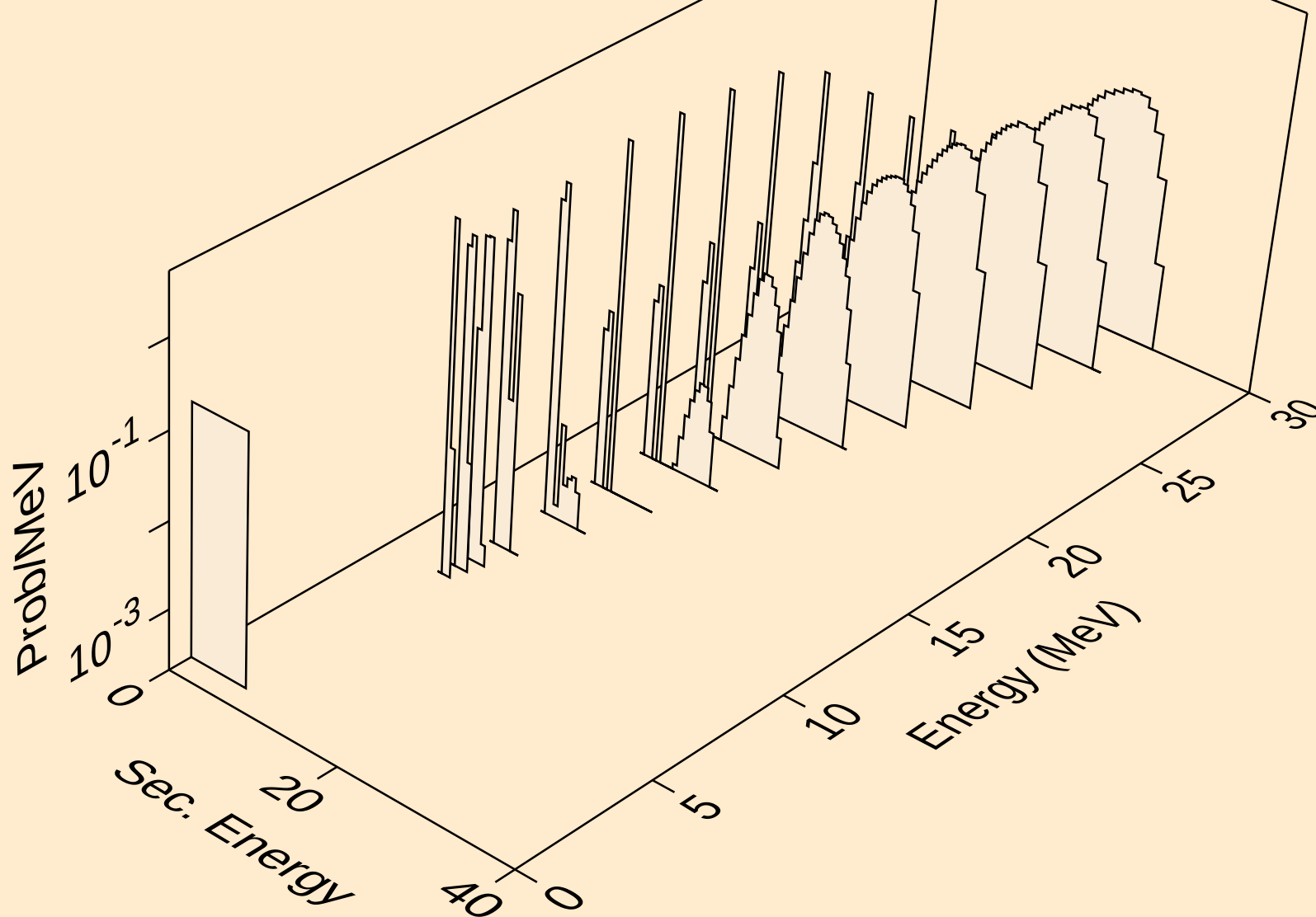
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,x)



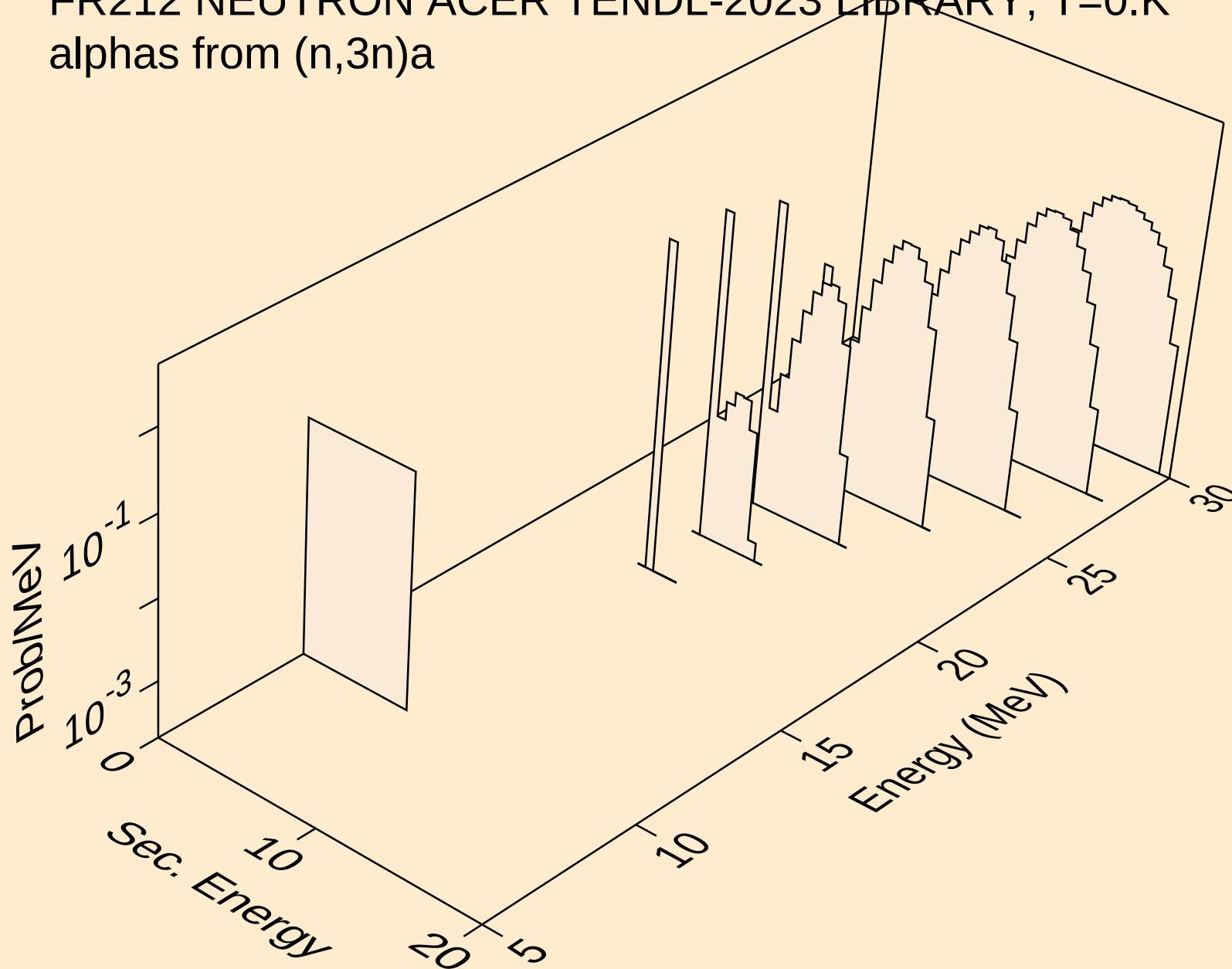
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)a



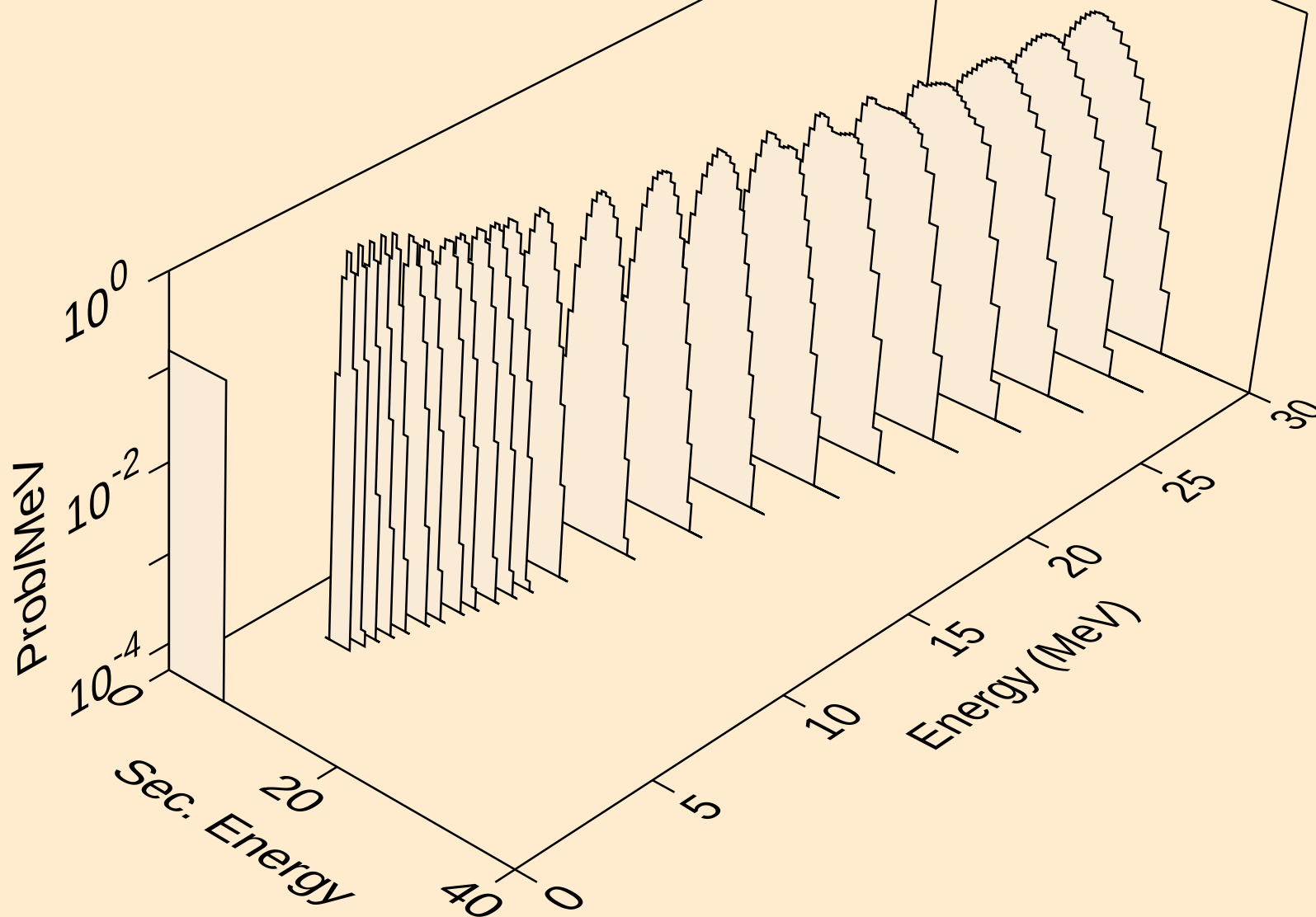
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2n)a



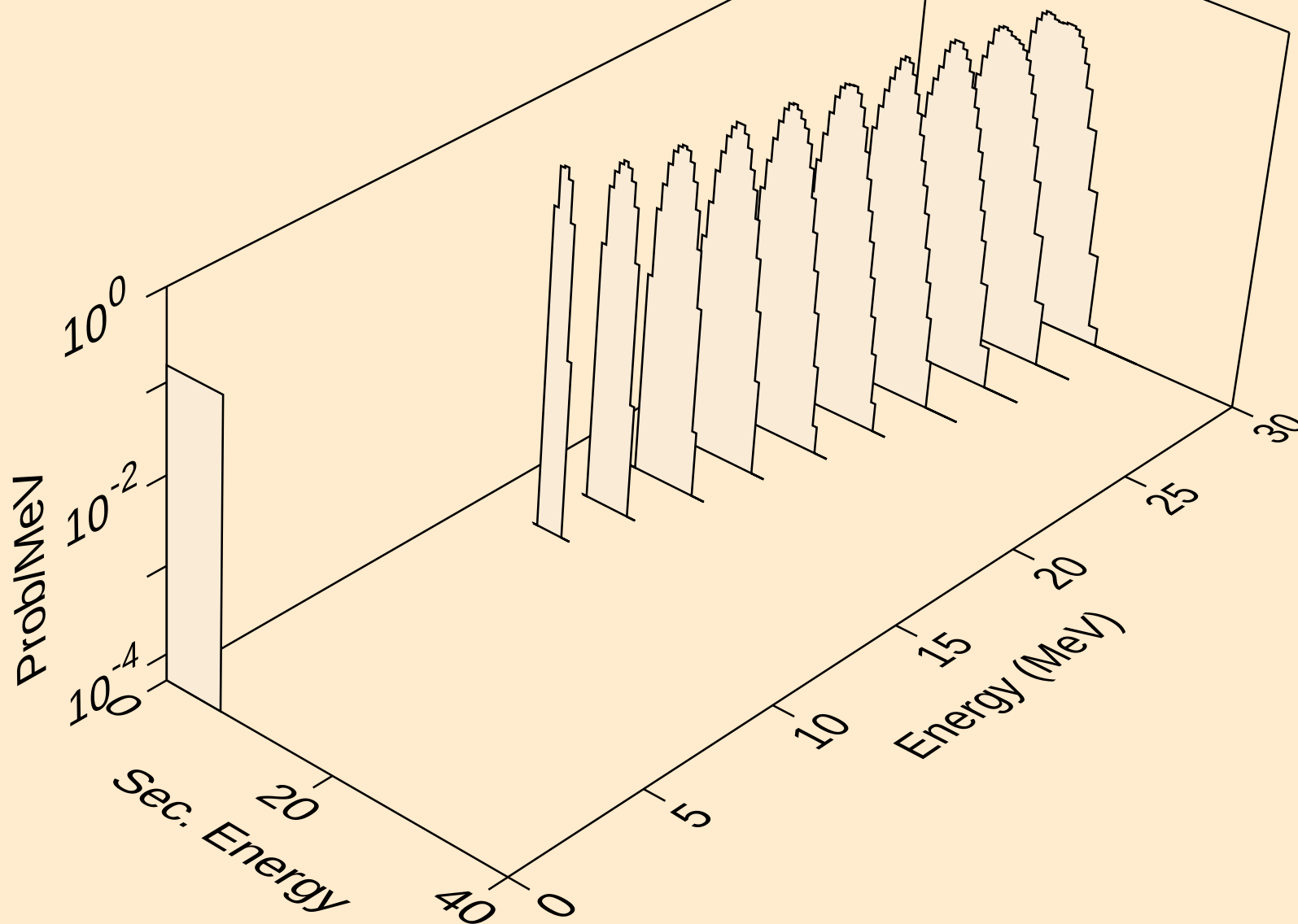
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,3n)a



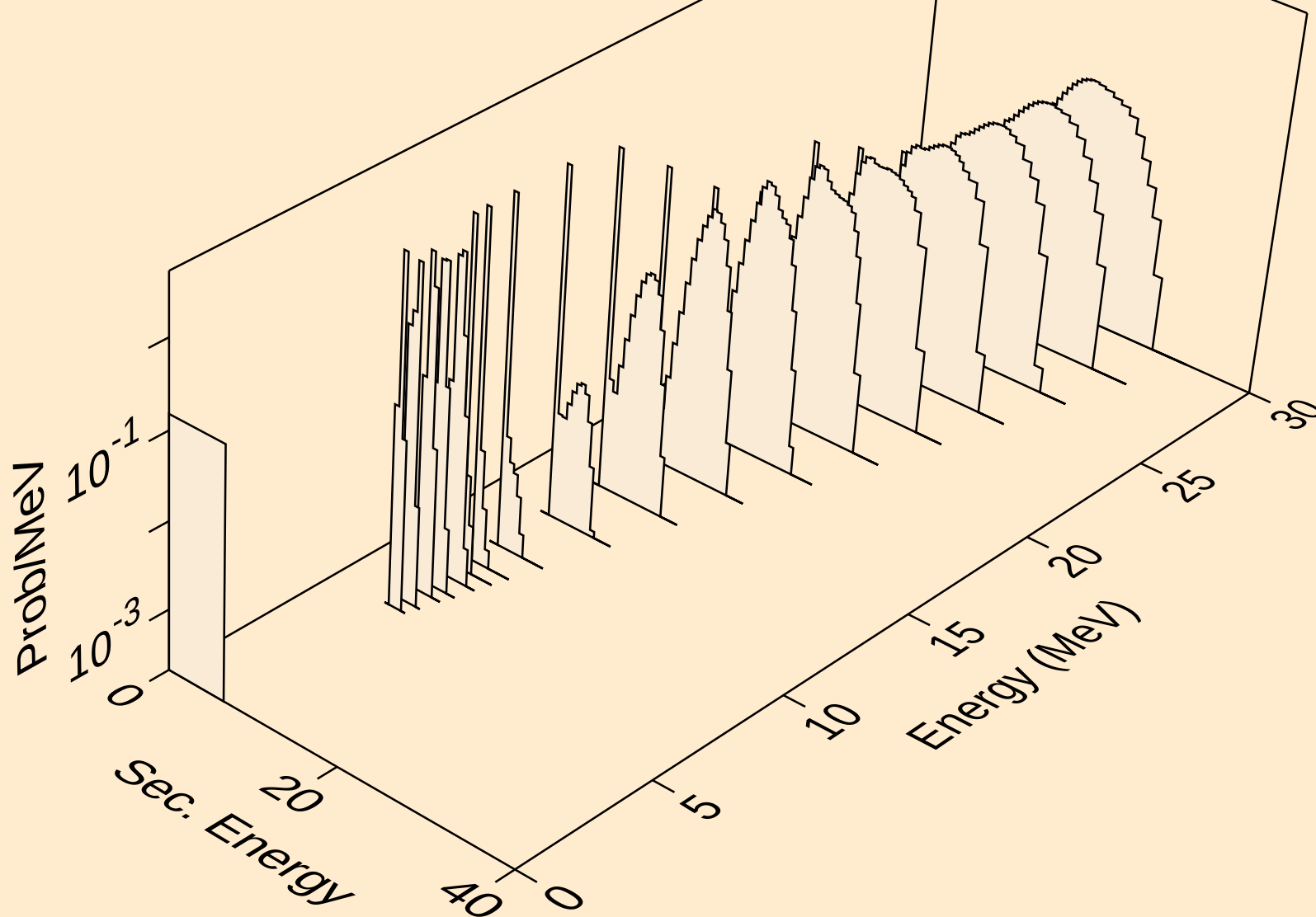
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)2a



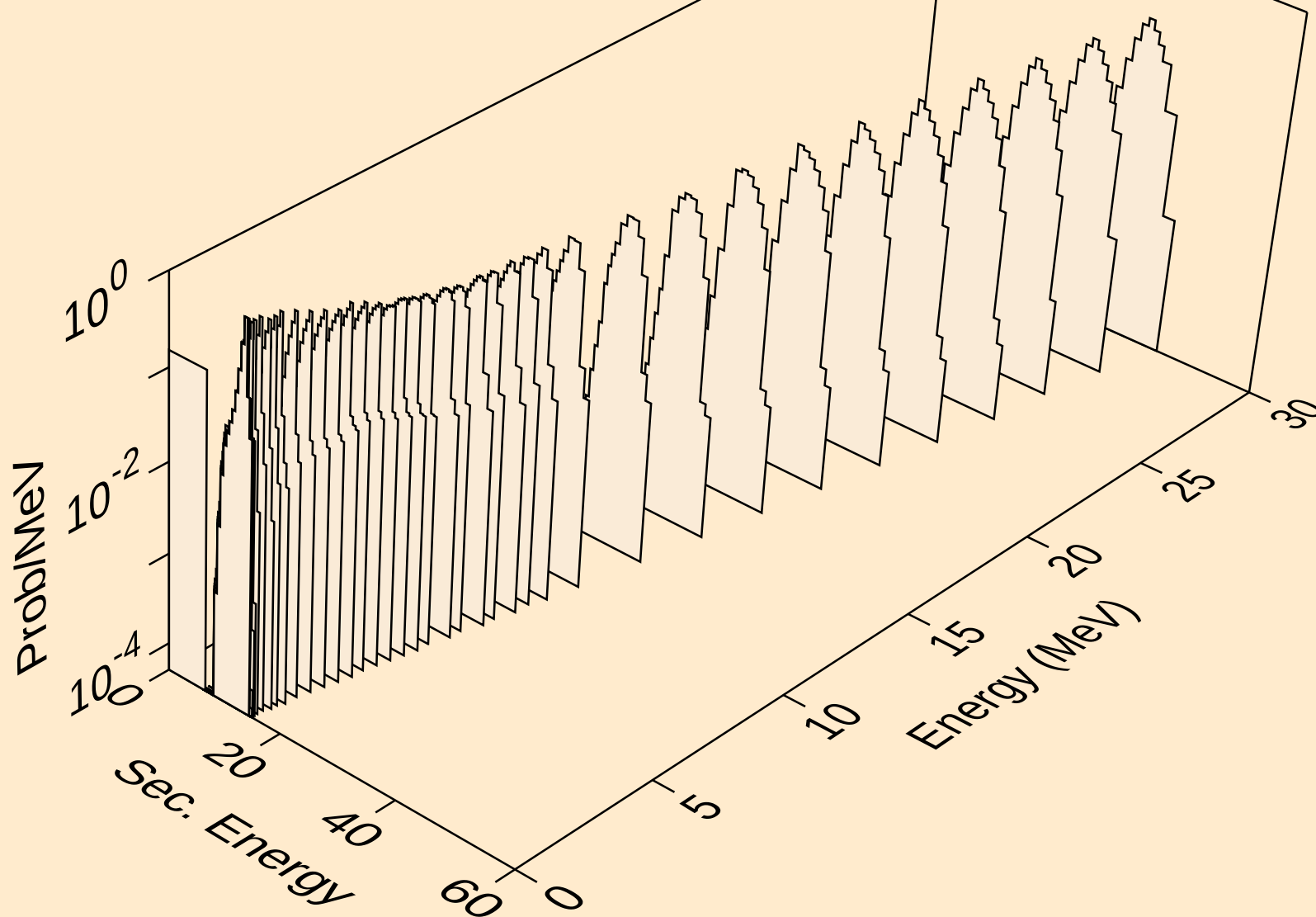
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2n)2a



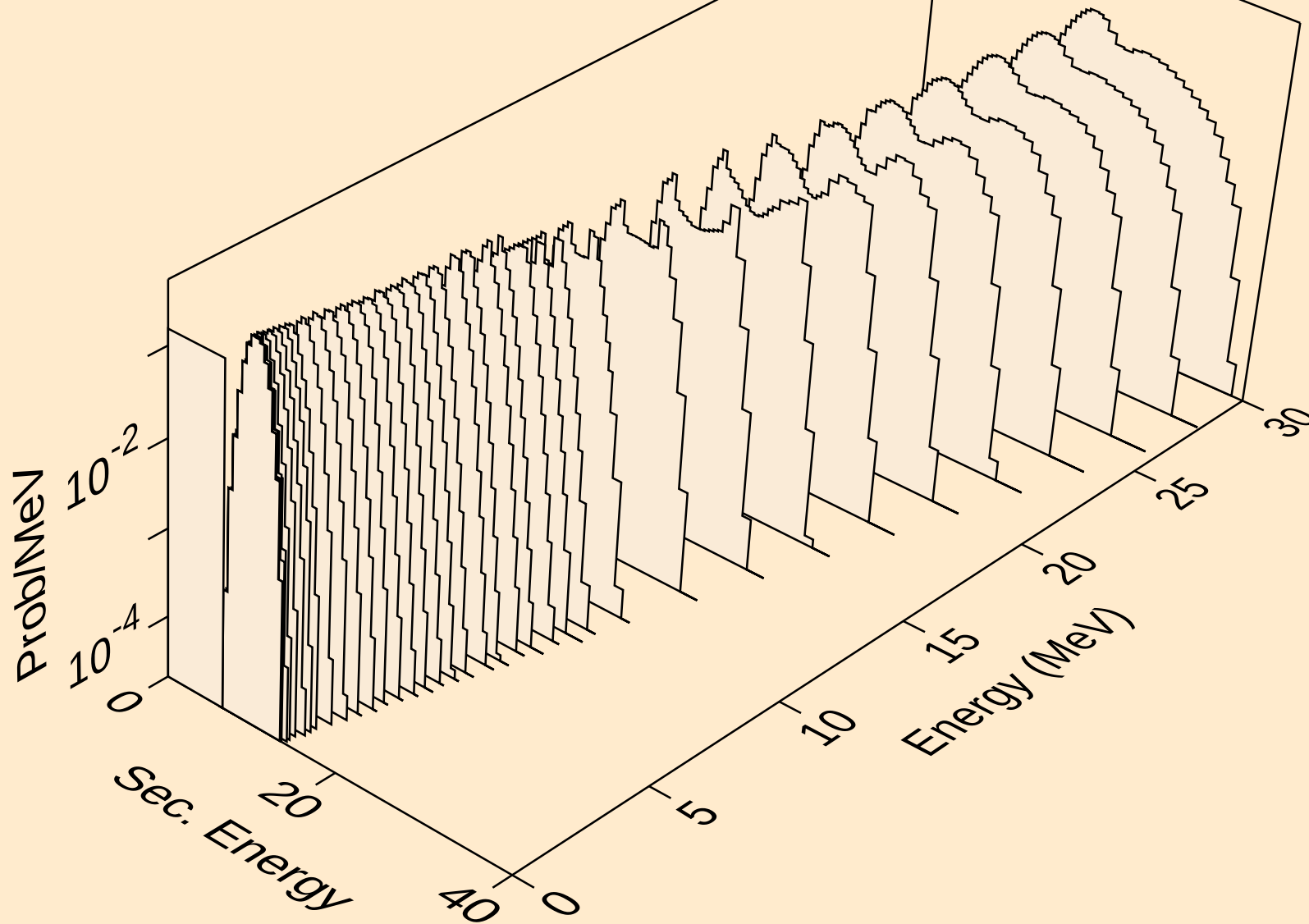
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,npa)



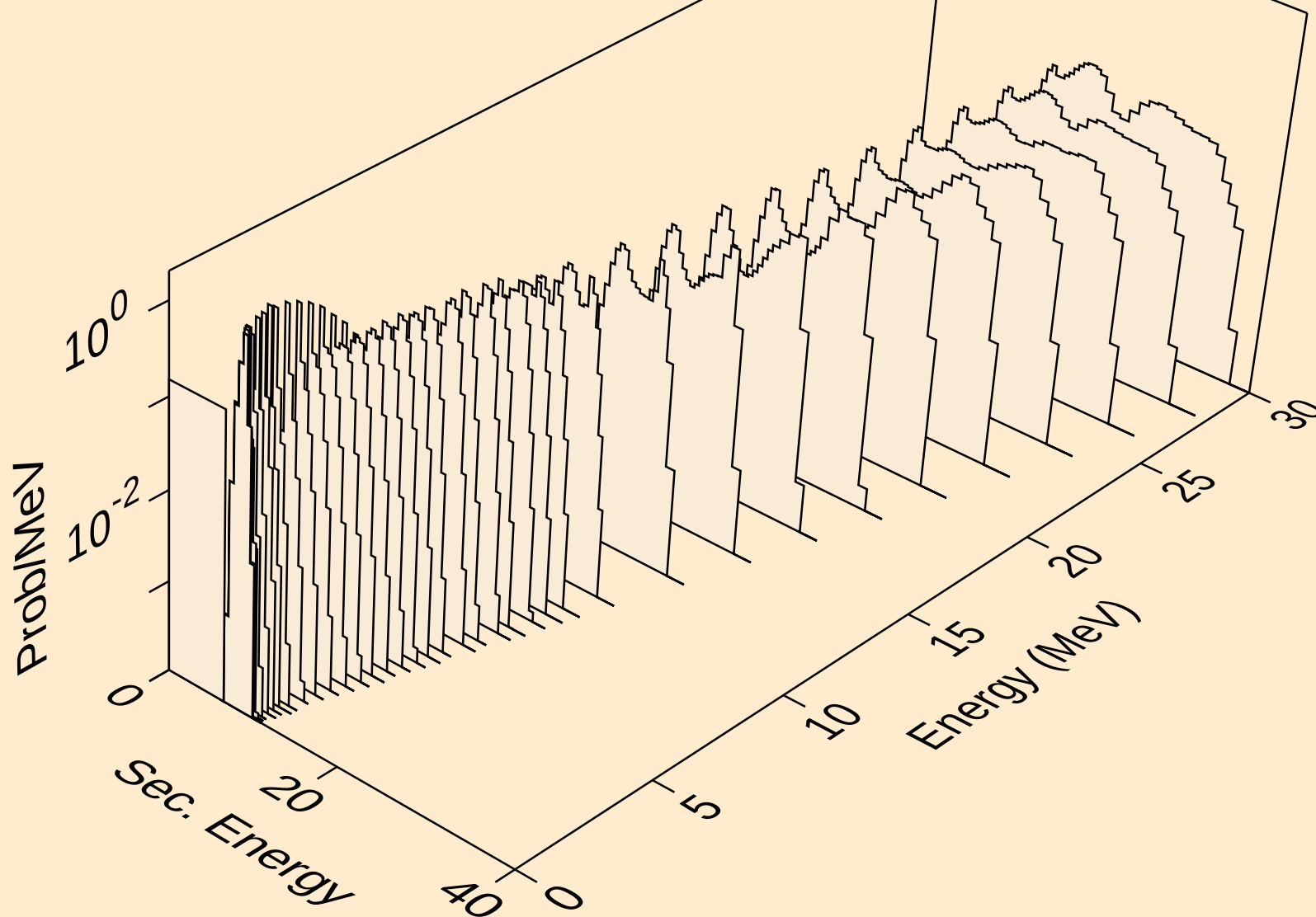
FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,a)



FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2a)



FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,pa)



FR212 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,da)

