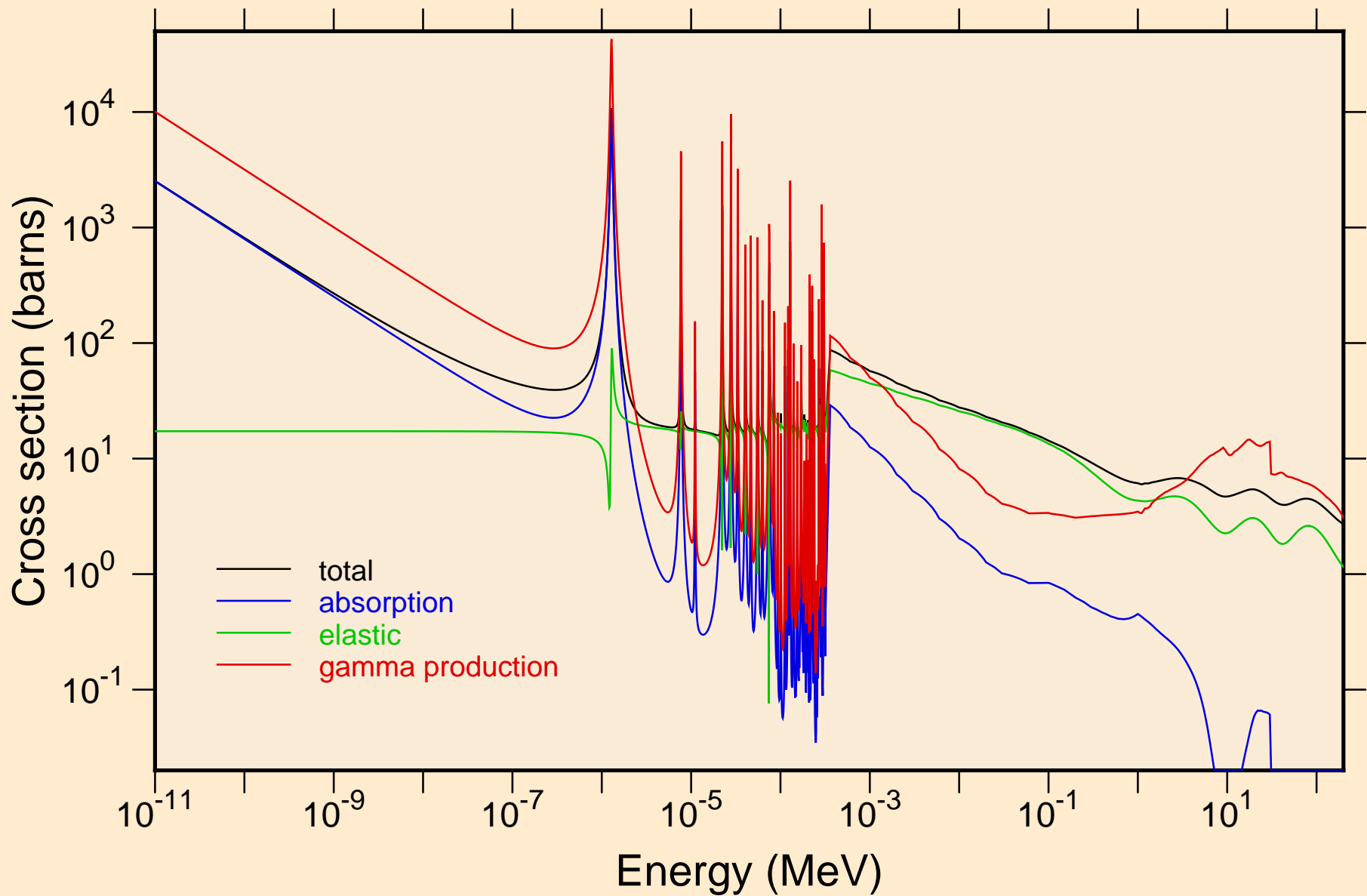
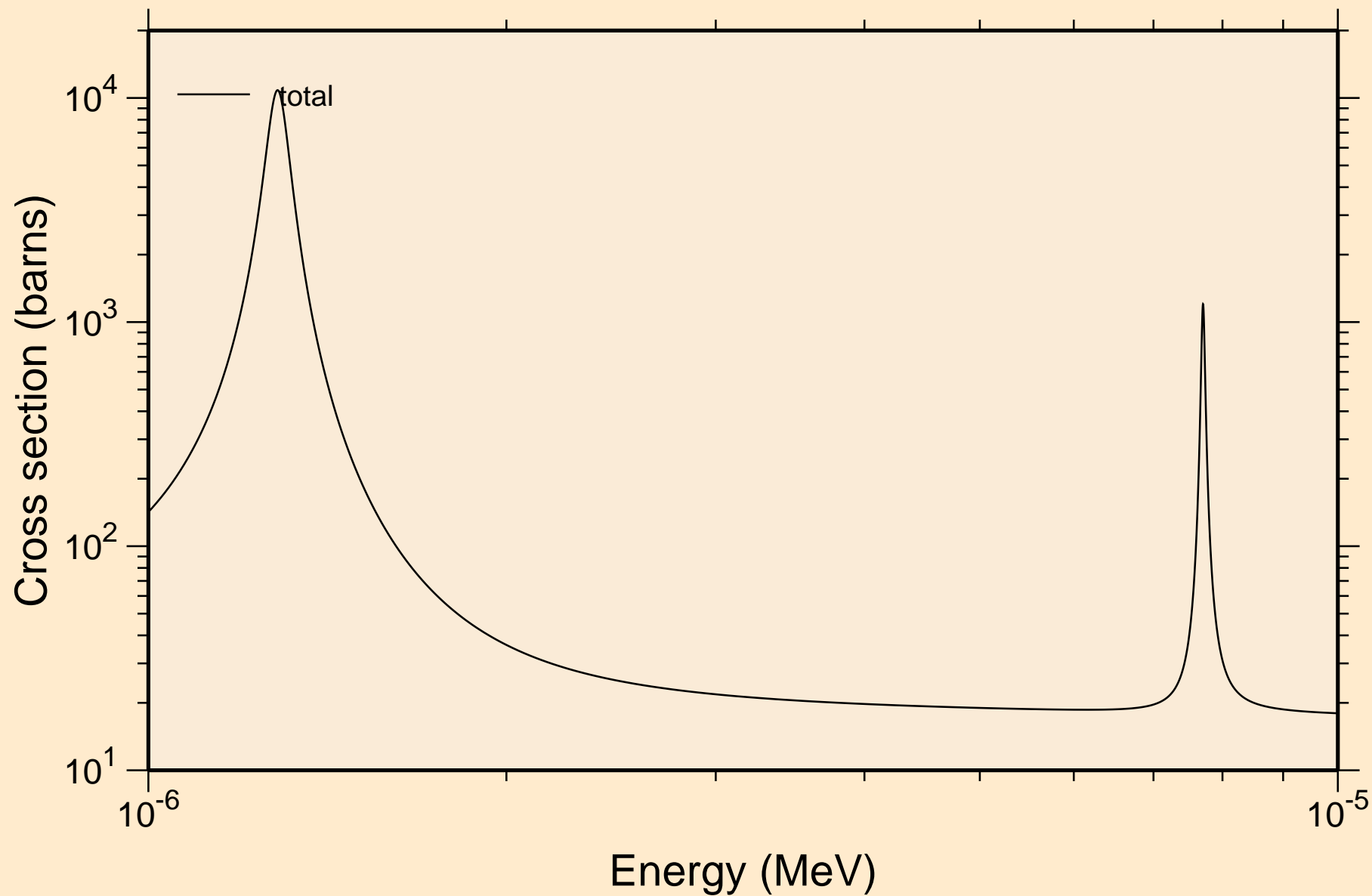


# W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

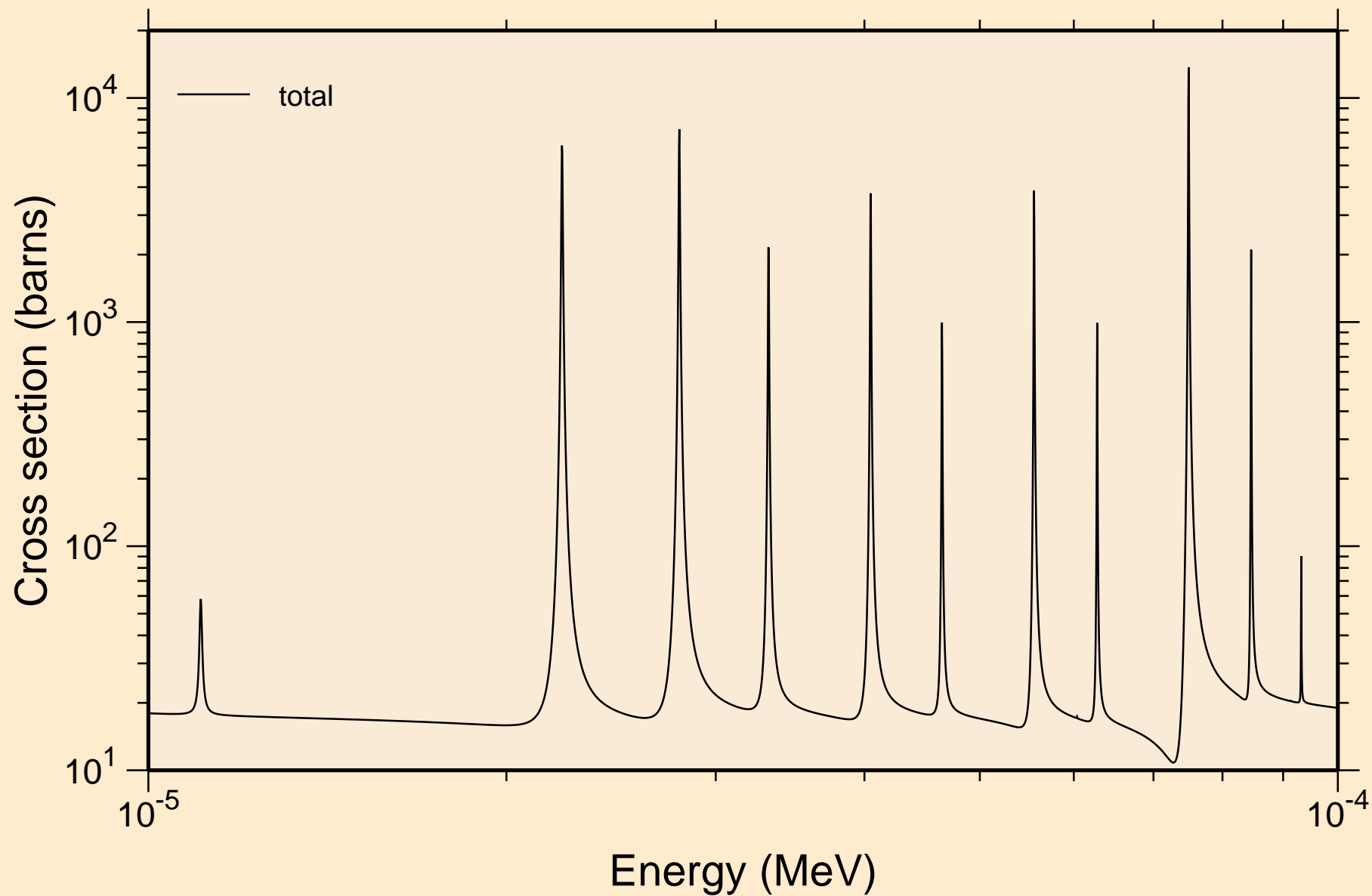
## Principal cross sections



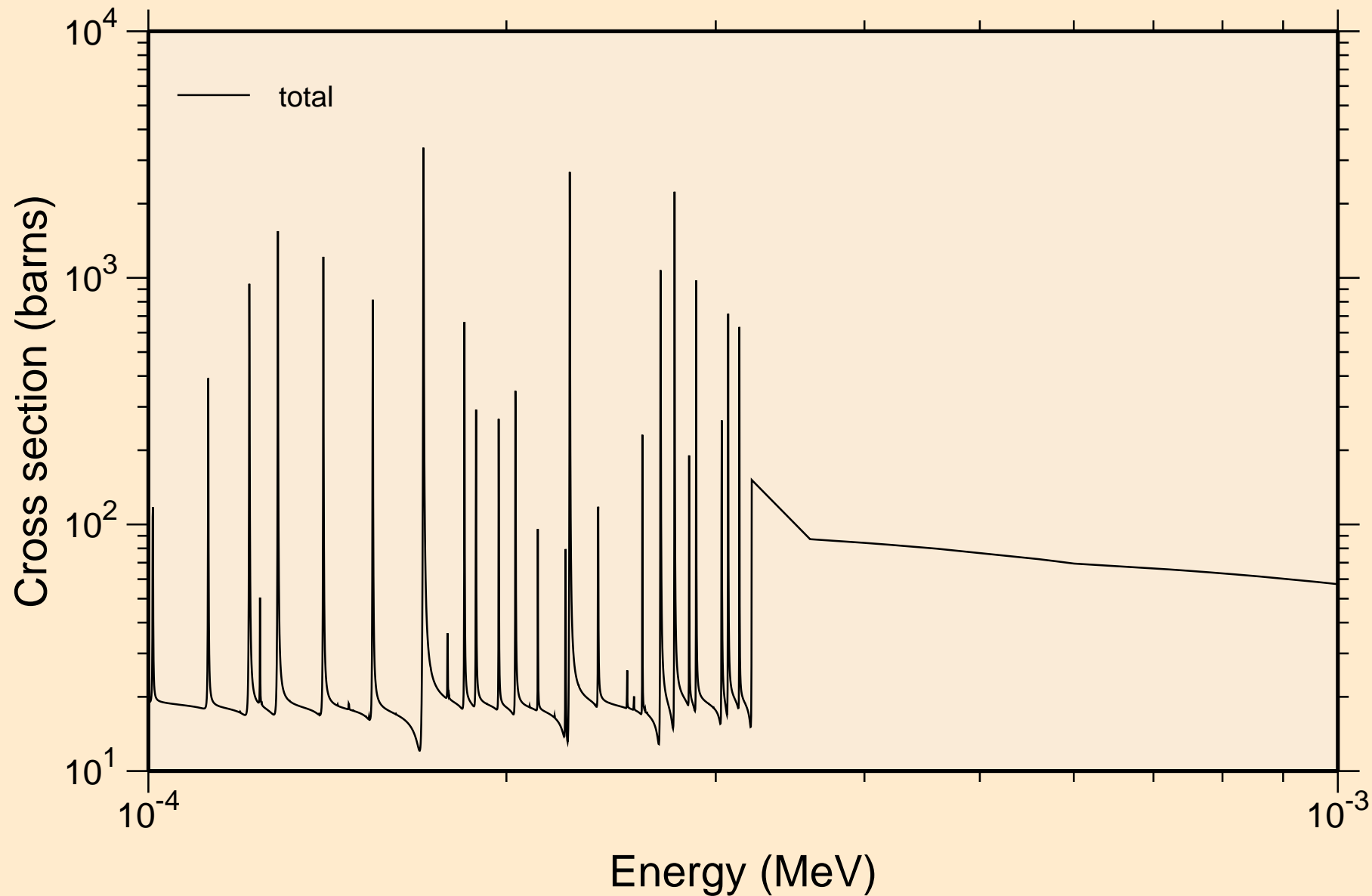
W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



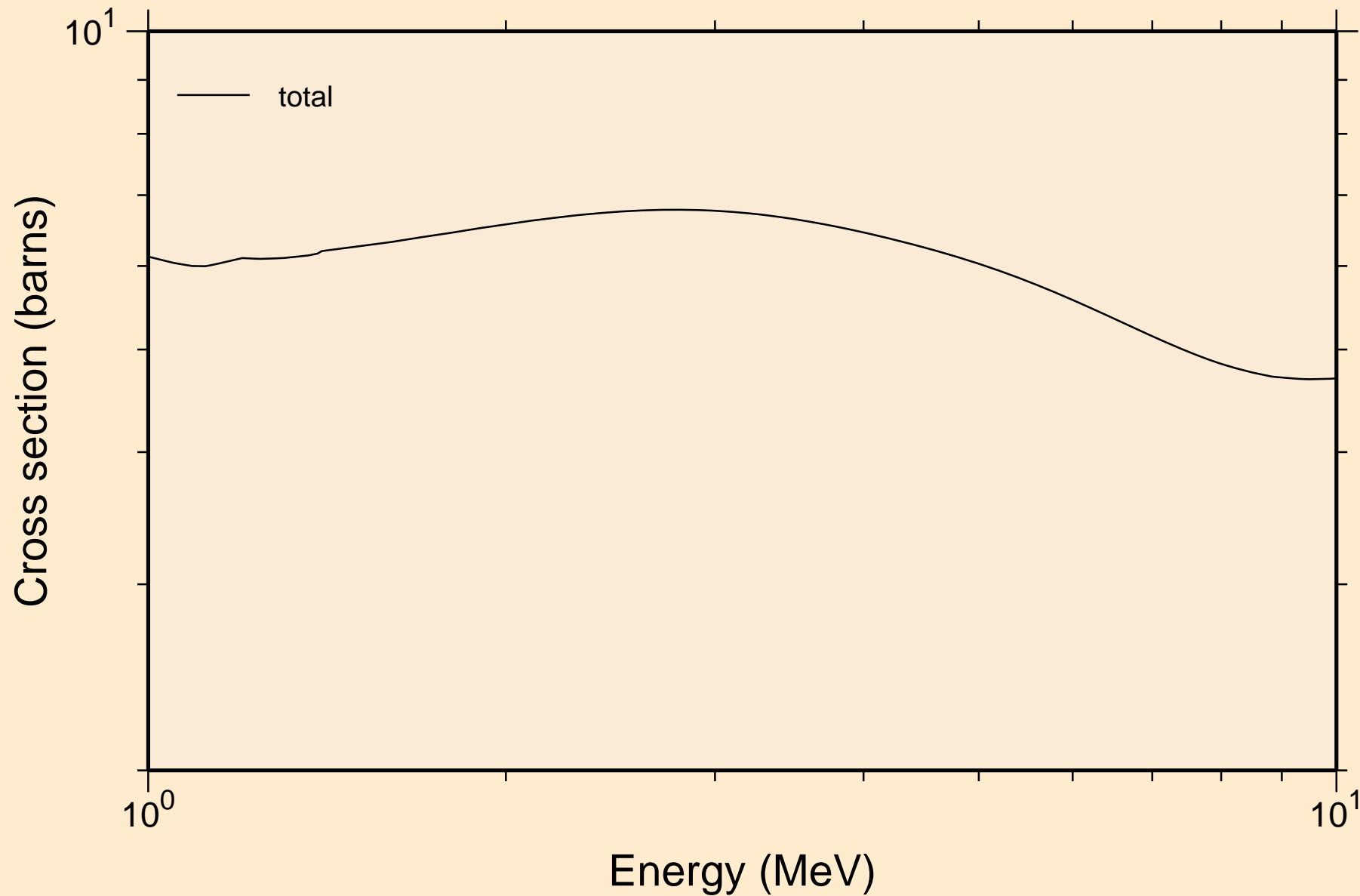
W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



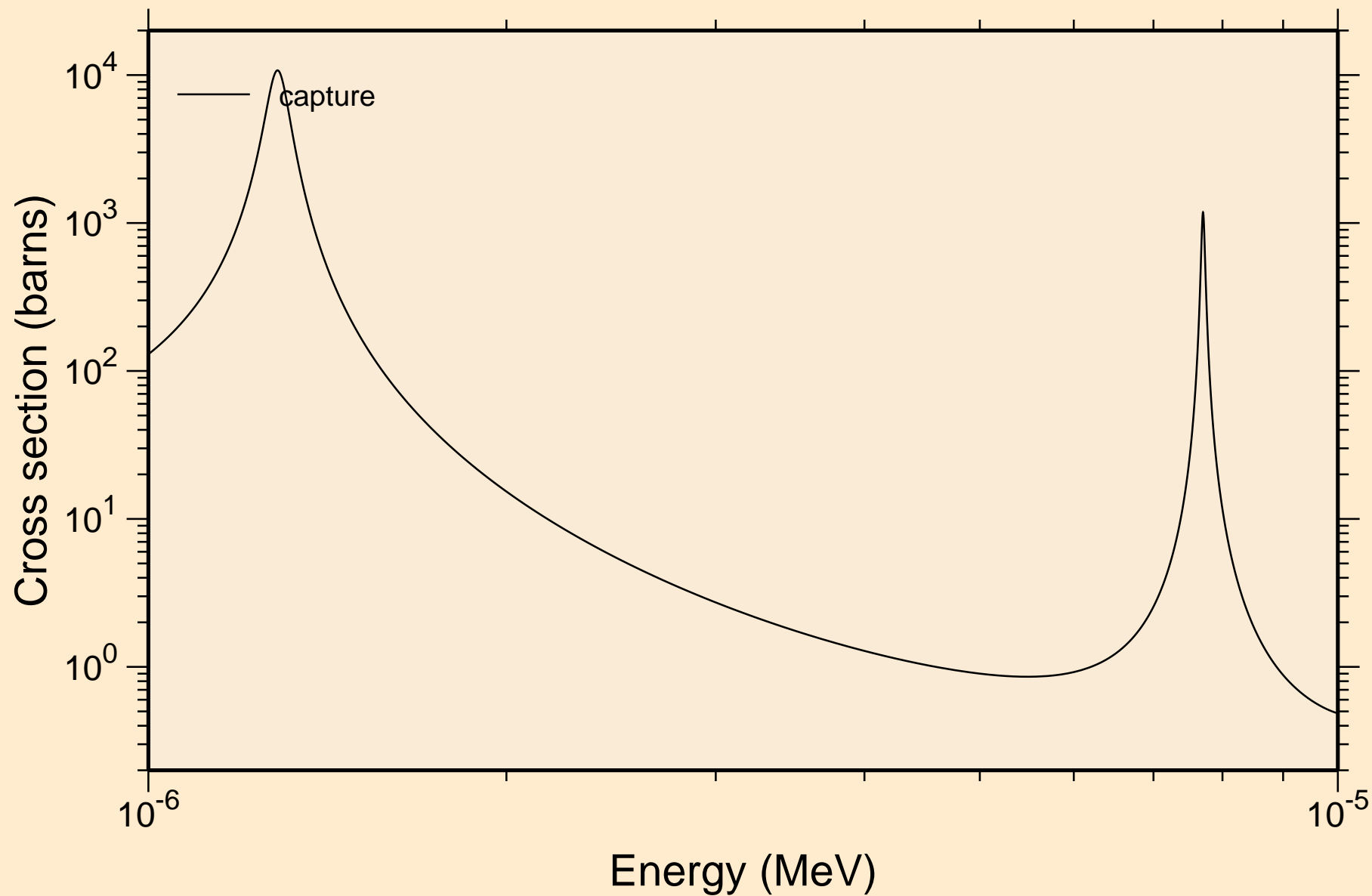
W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



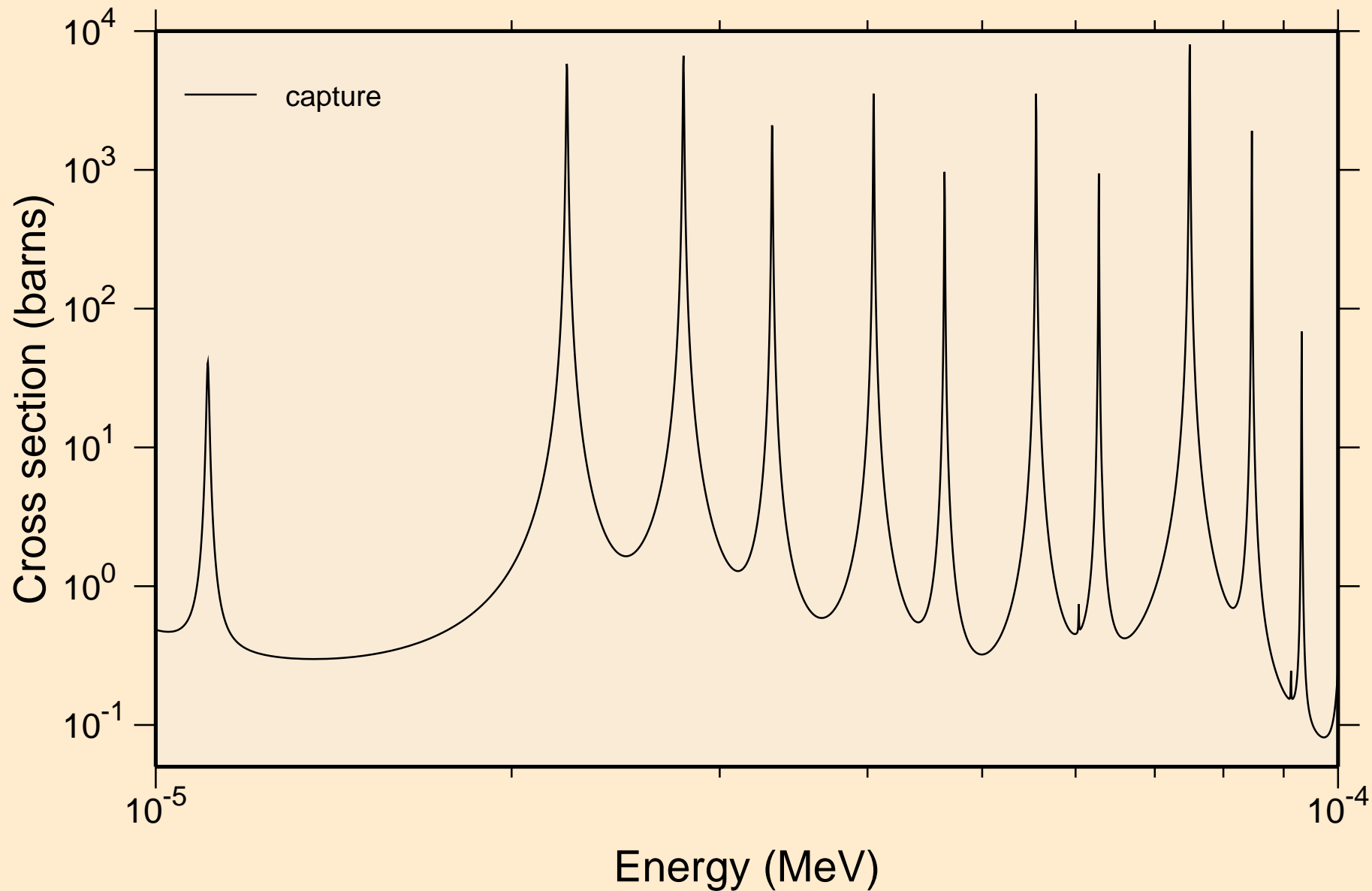
W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



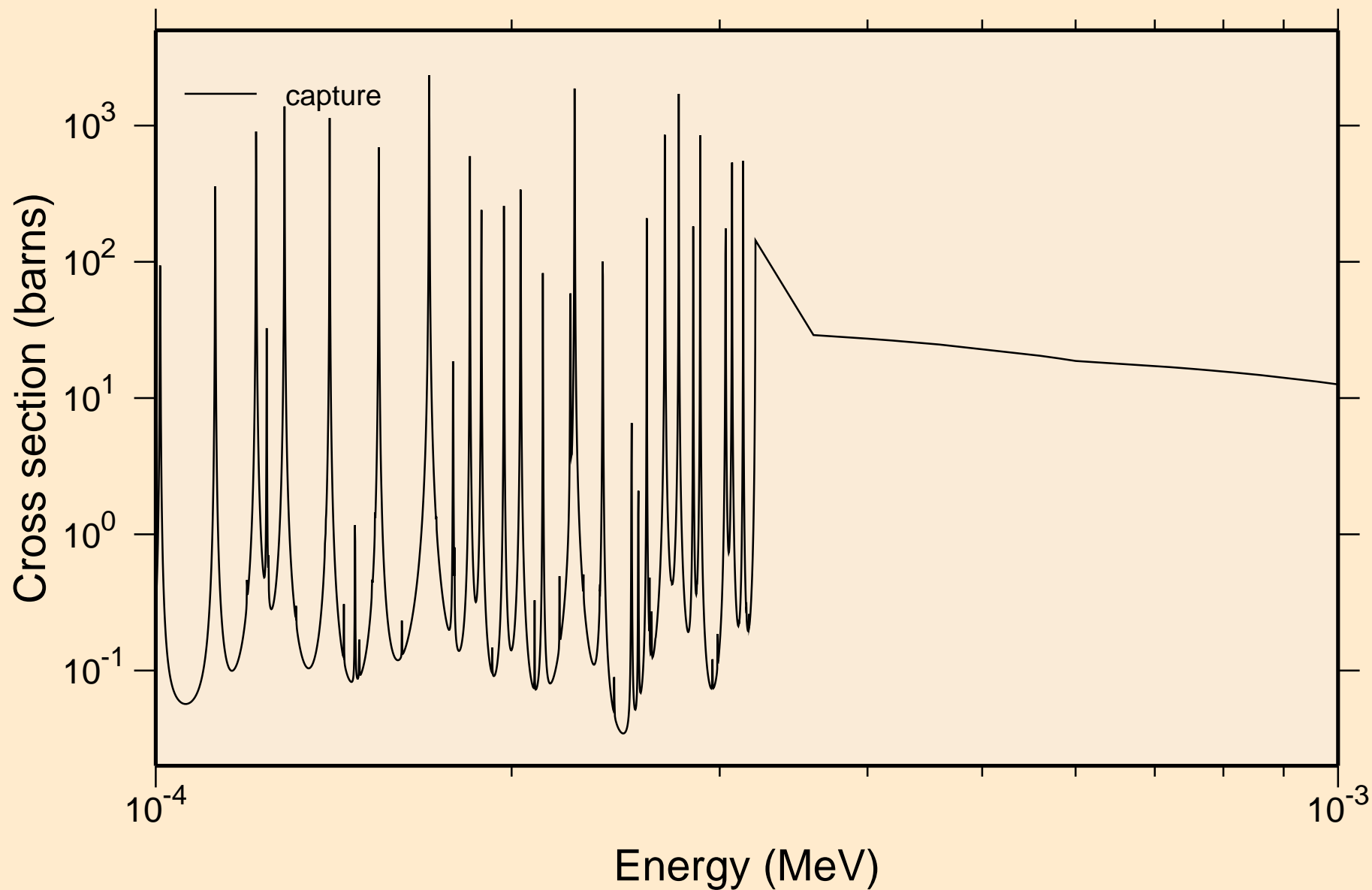
W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

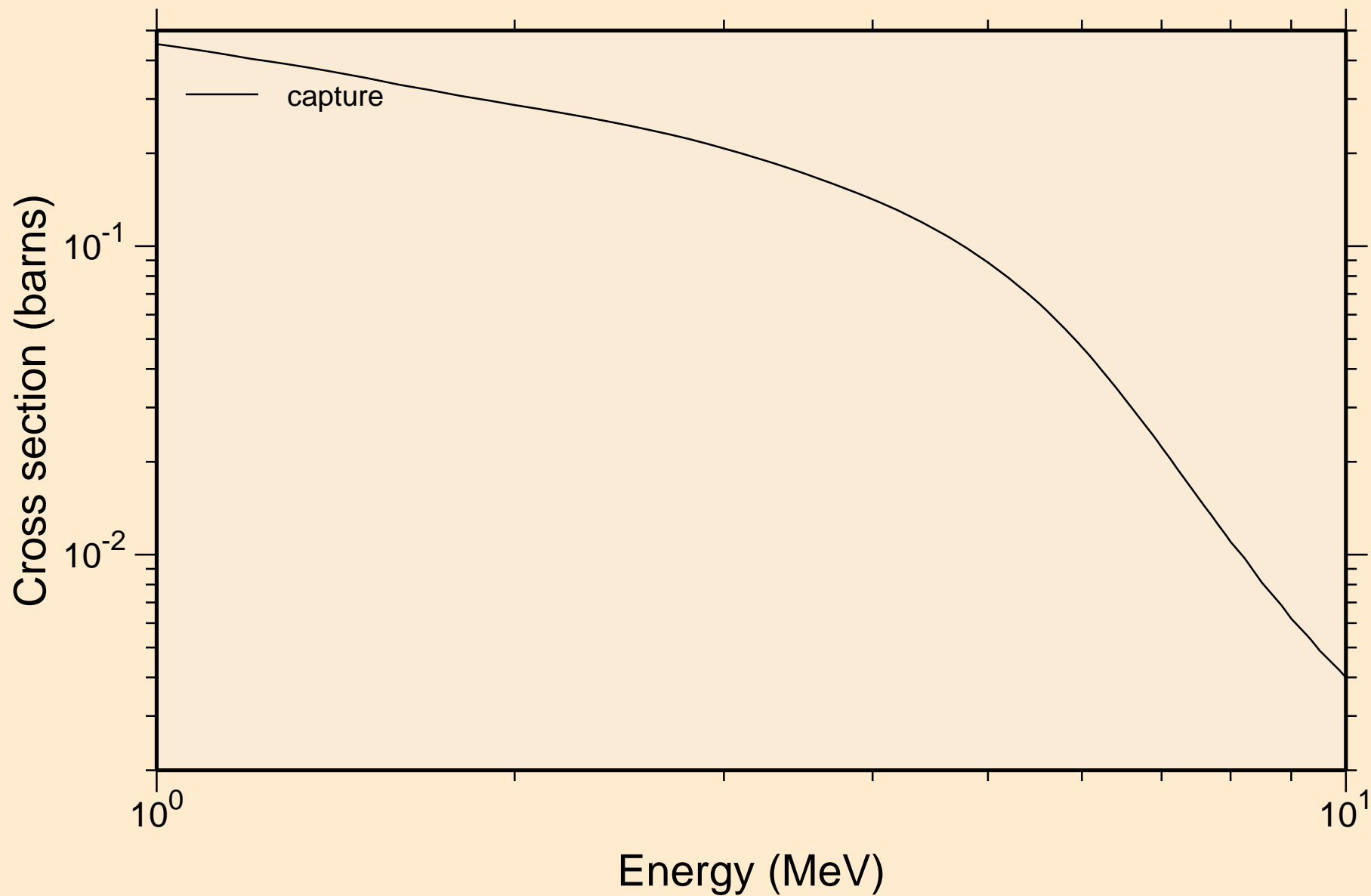


W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

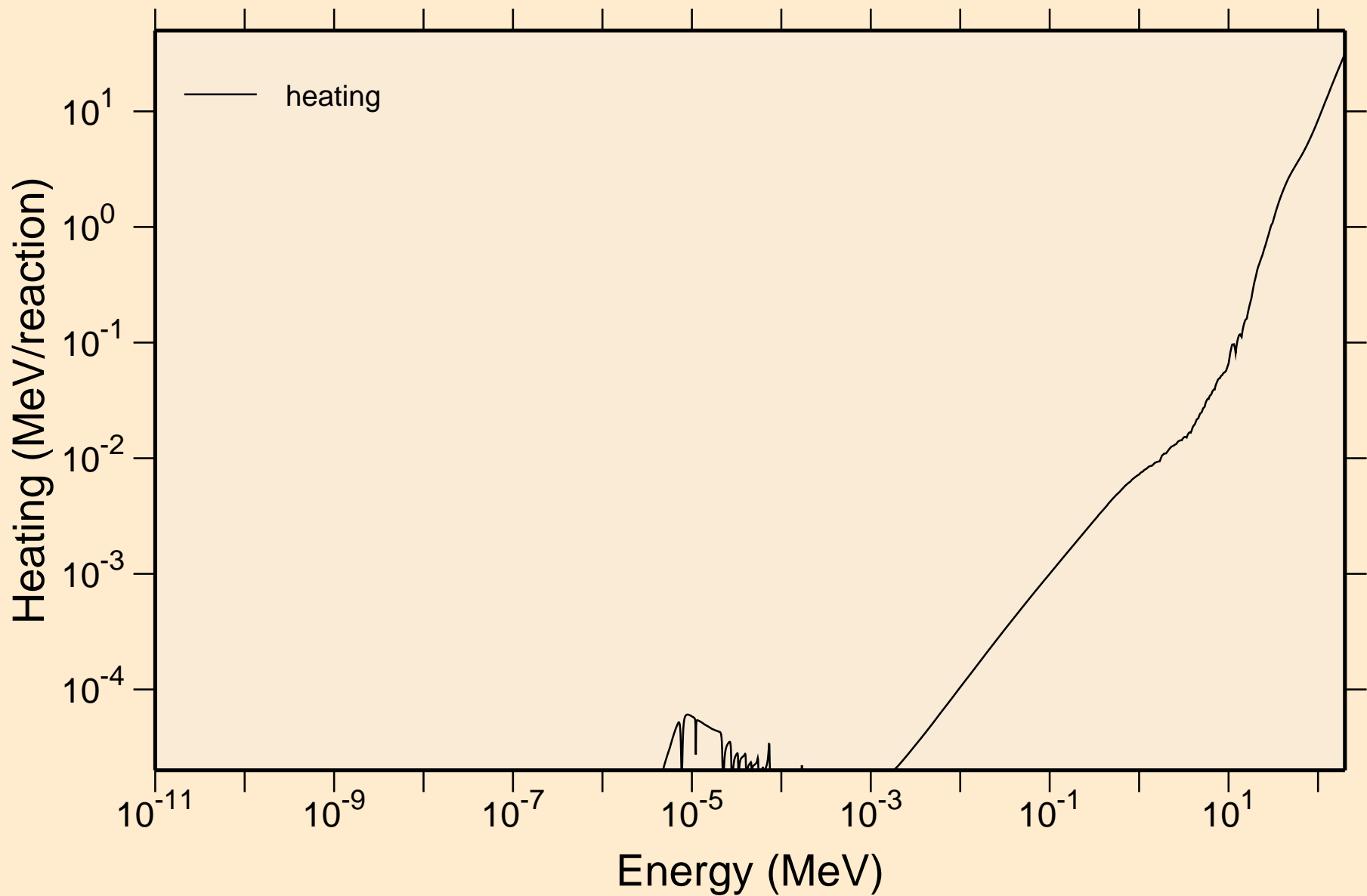




W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

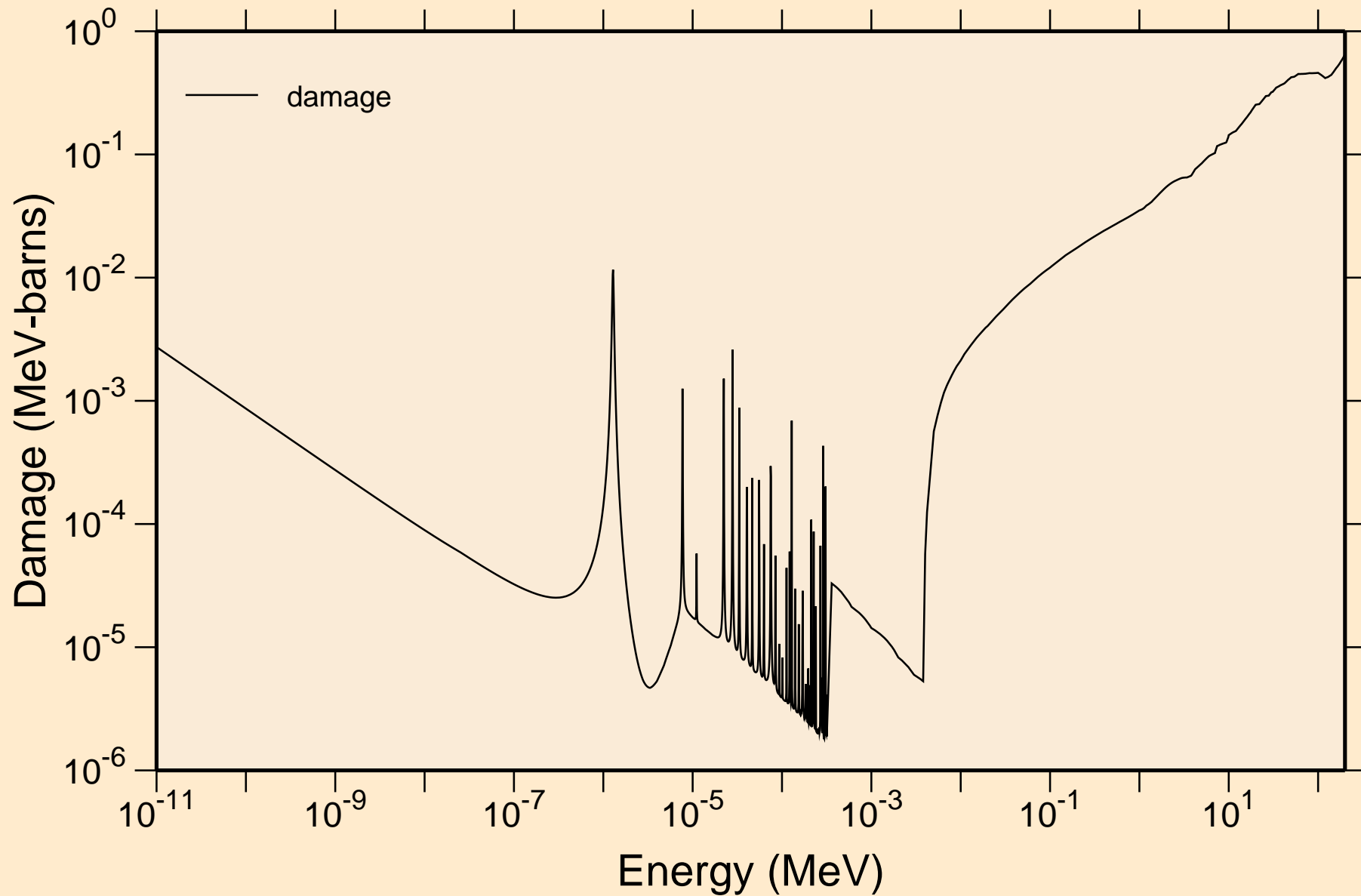


W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Heating



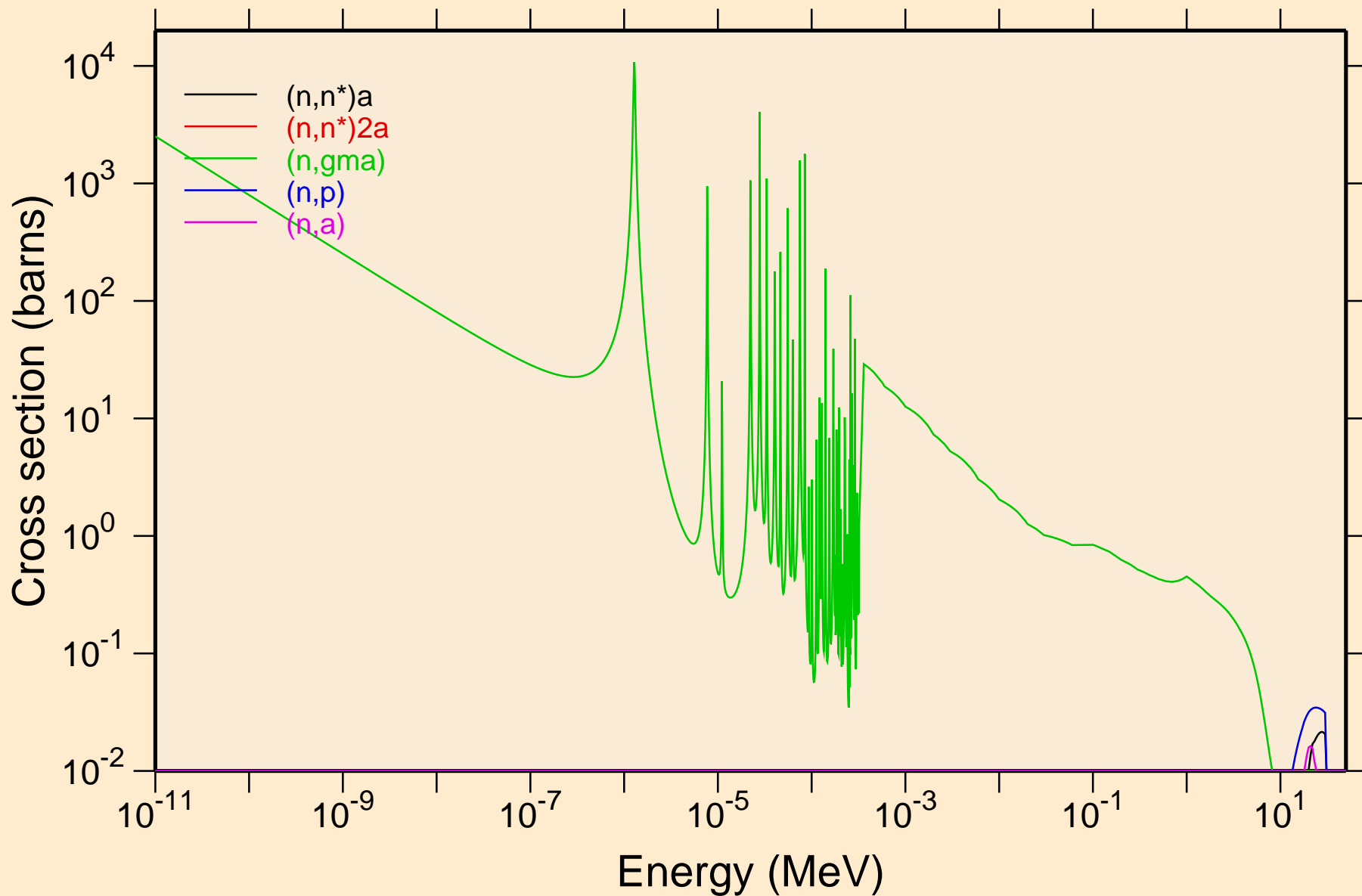
# W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Damage

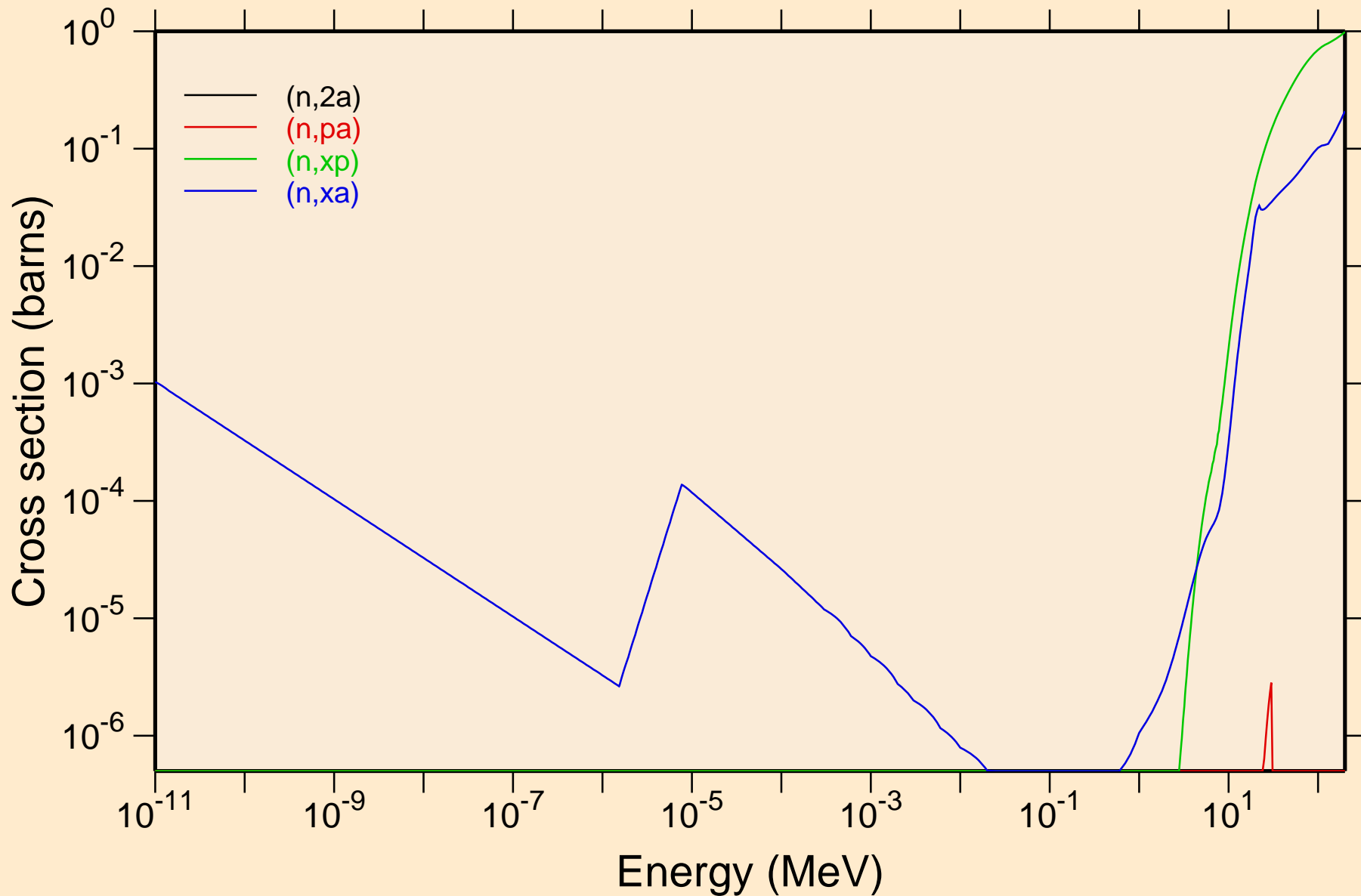


# W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Non-threshold reactions

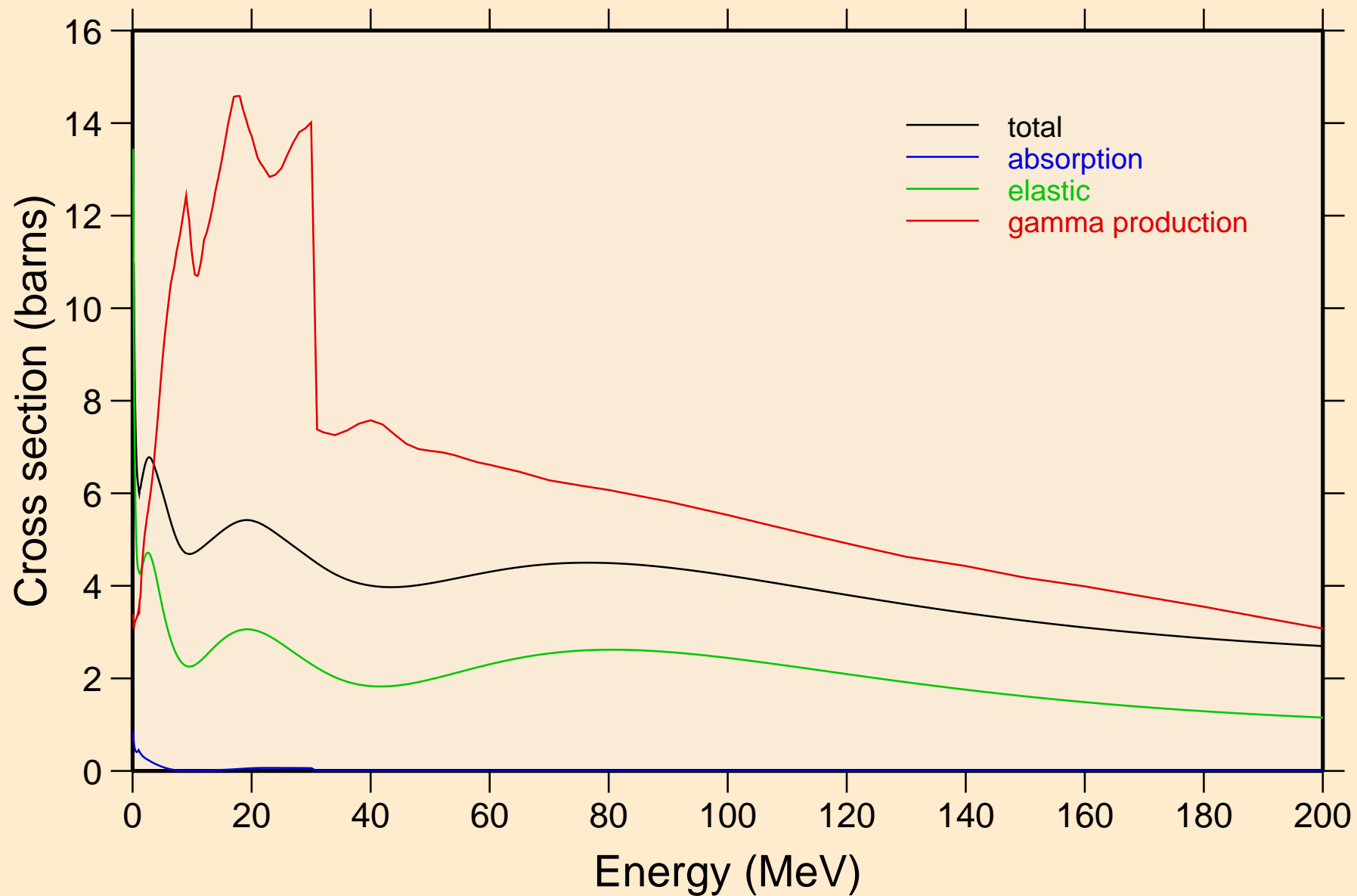


W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

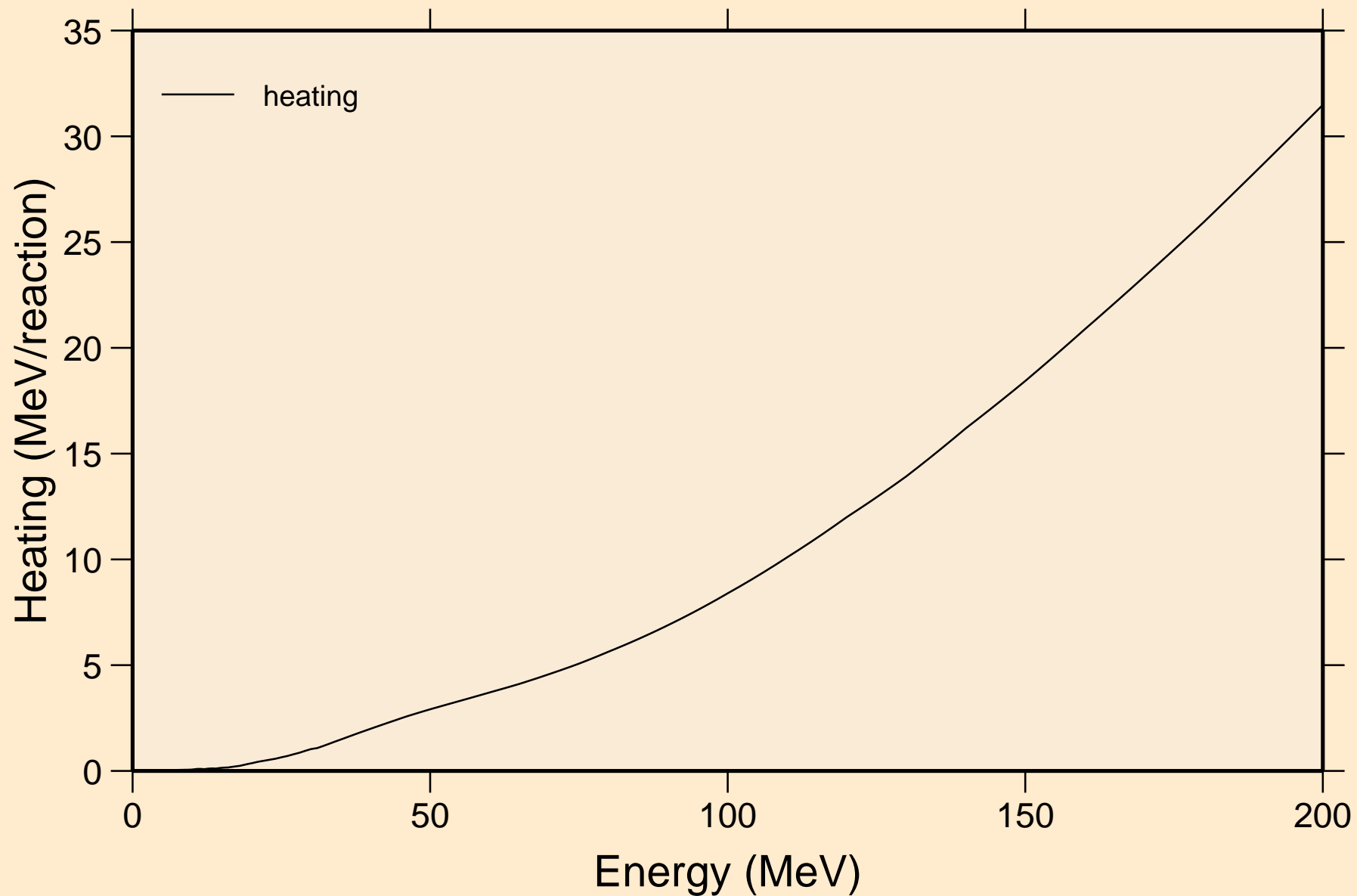


# W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

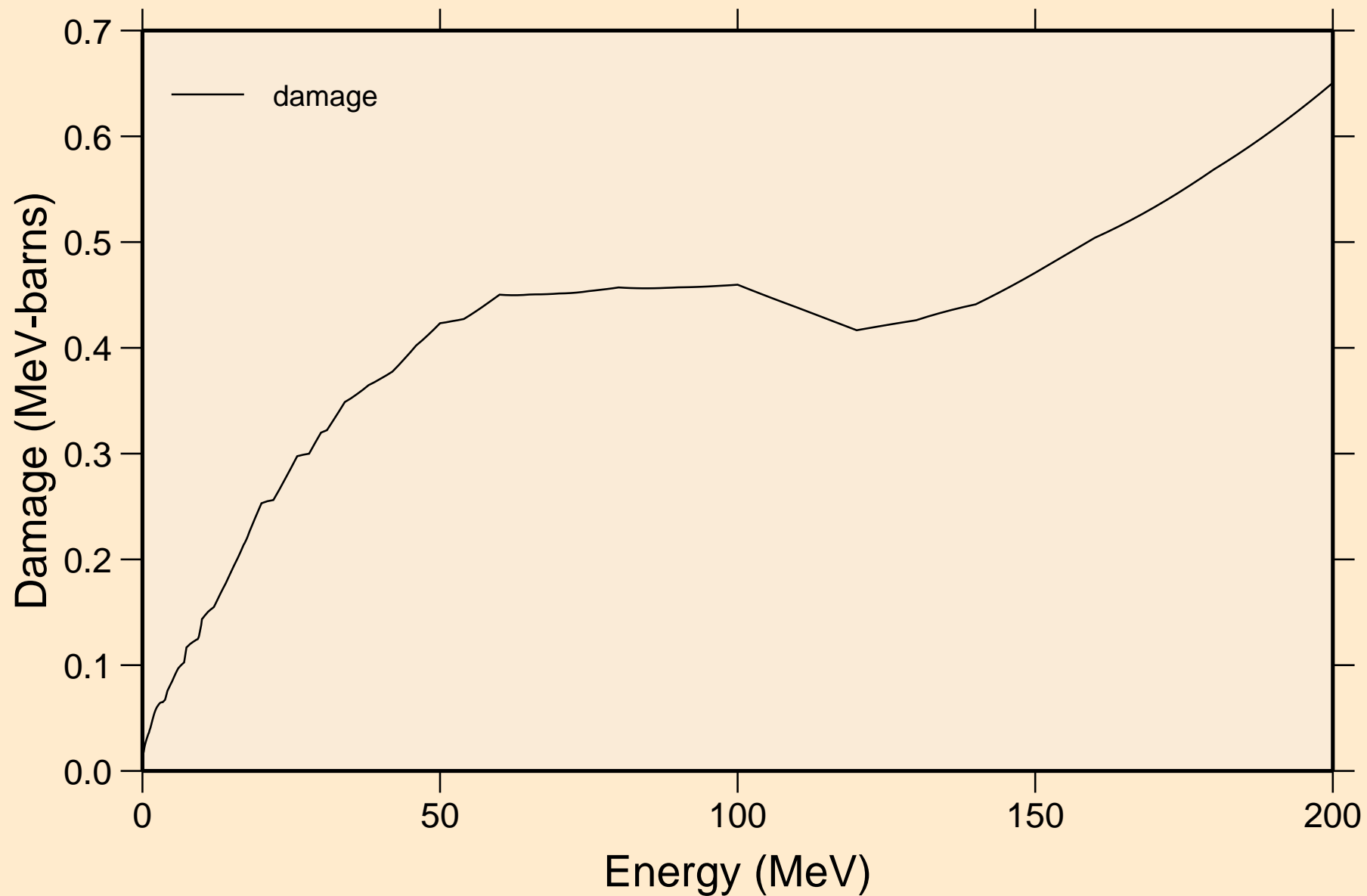
## Principal cross sections



W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Heating

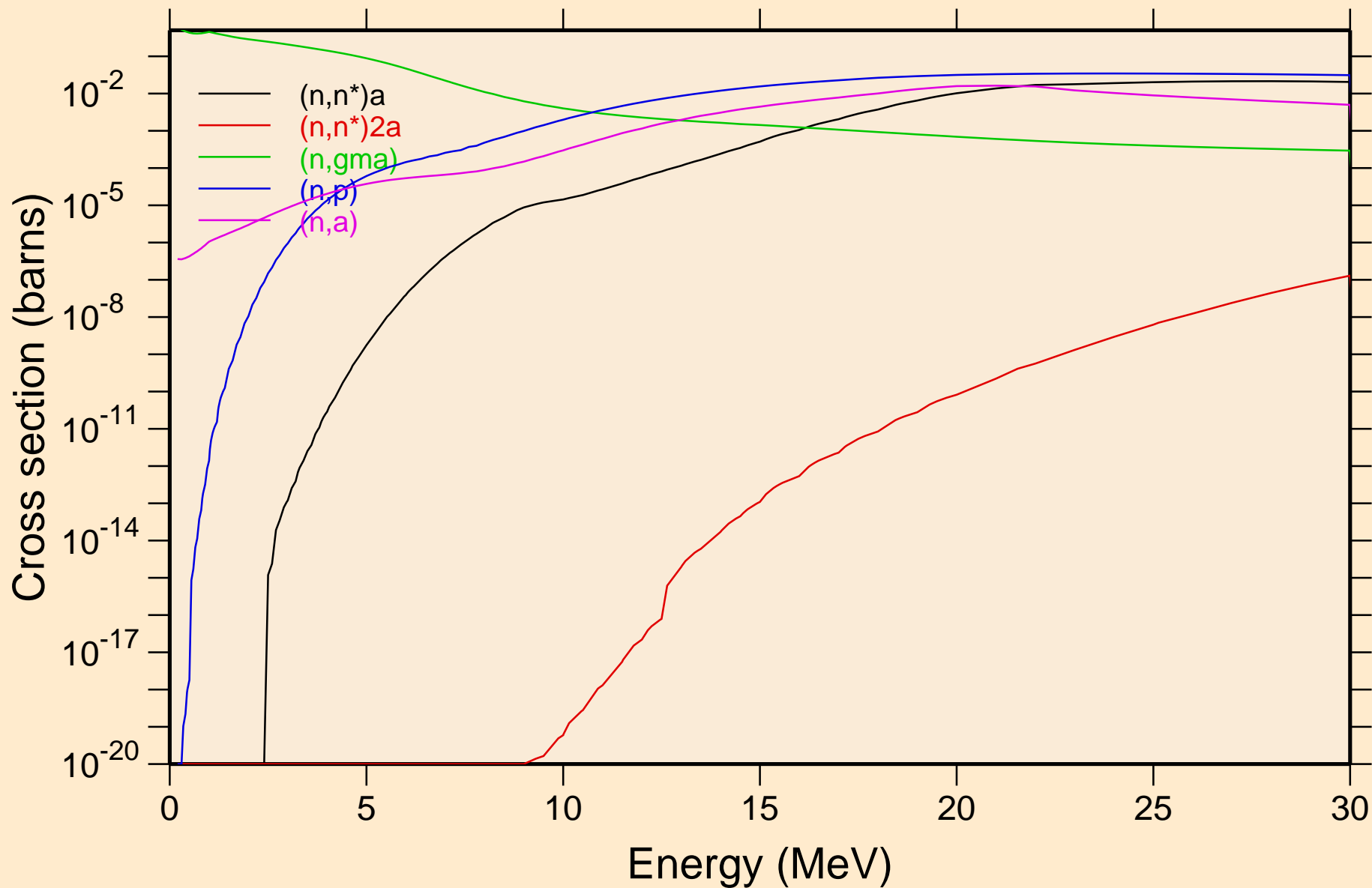


W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Damage

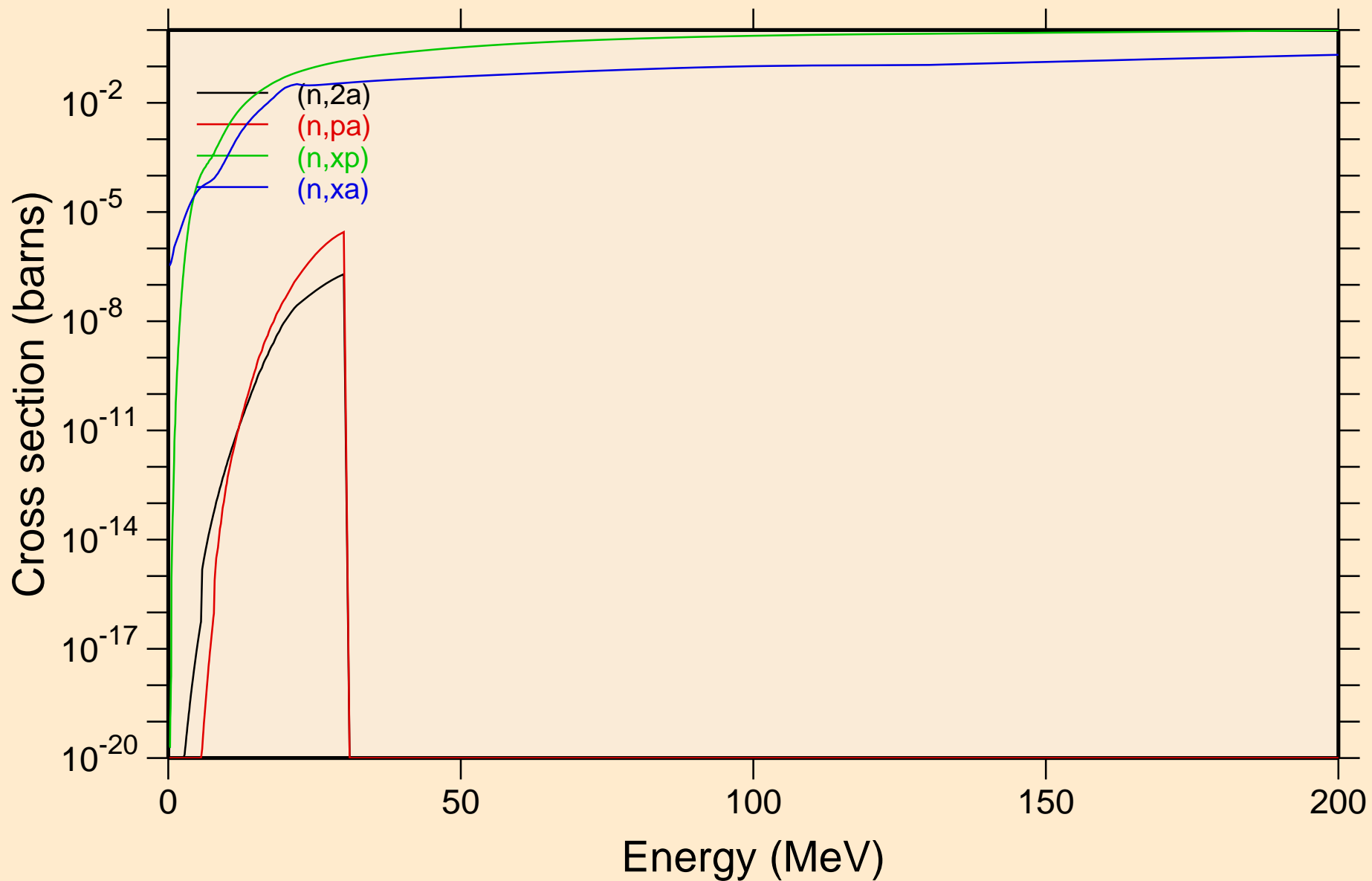




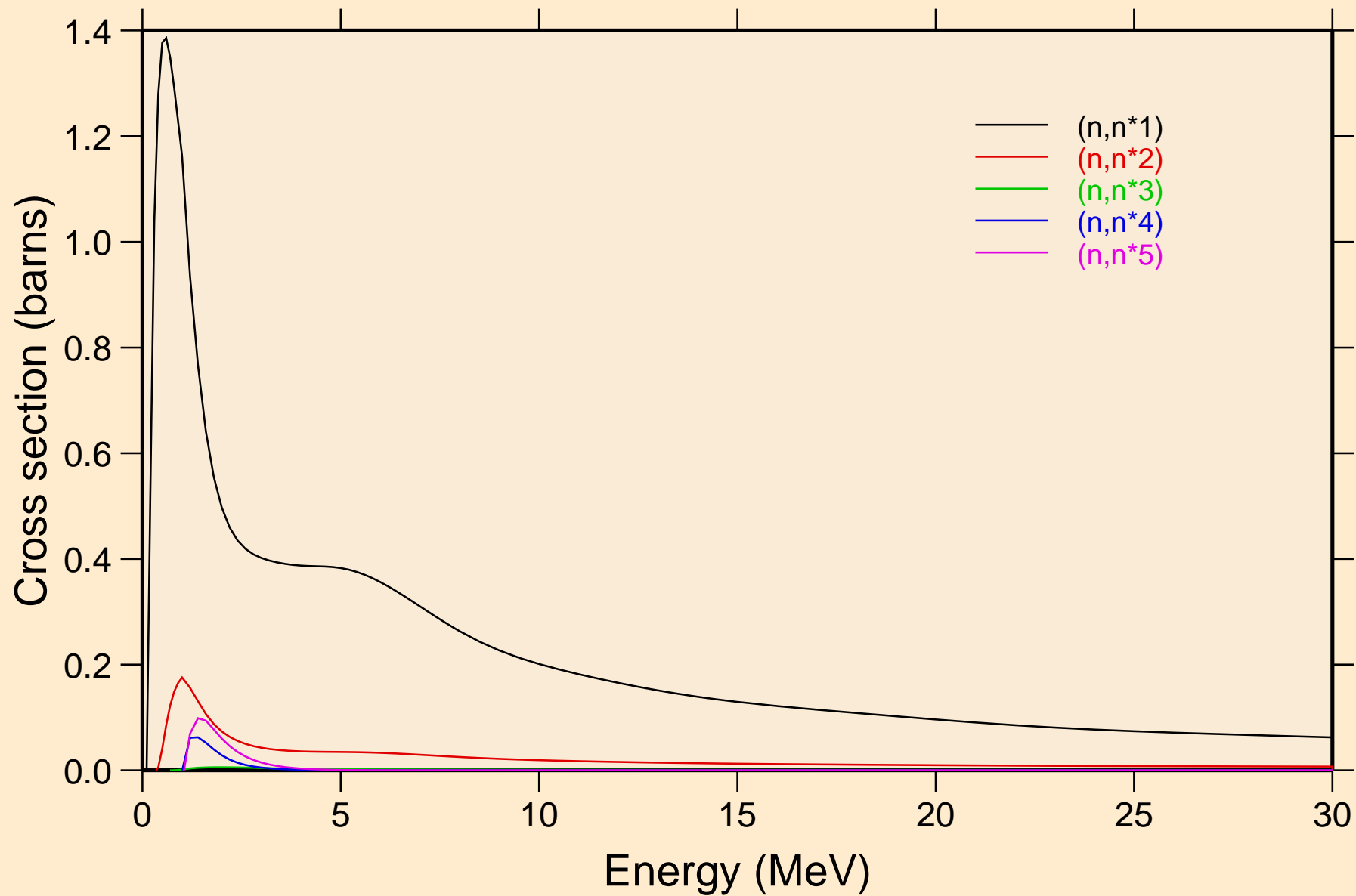
W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



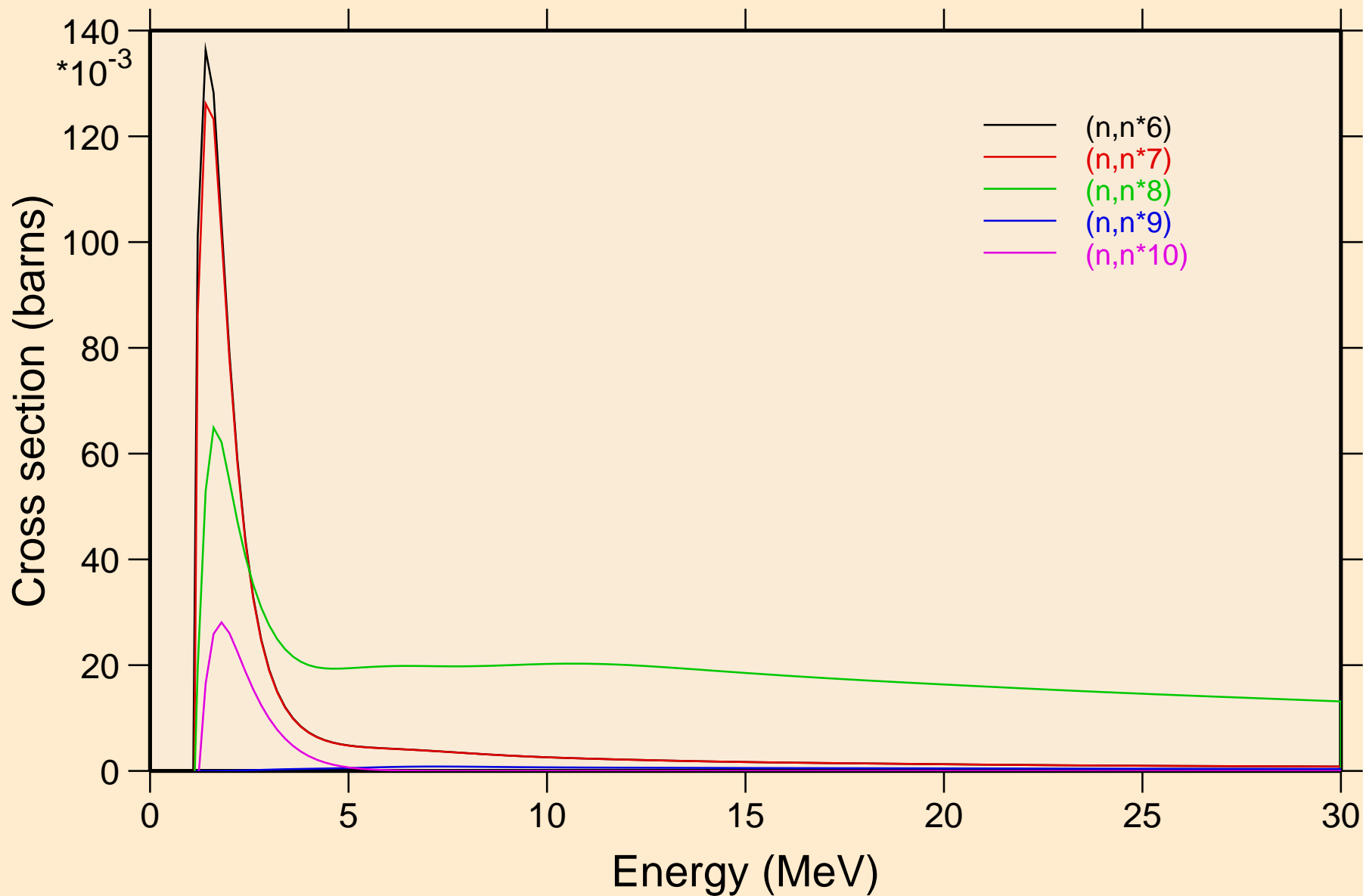
W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



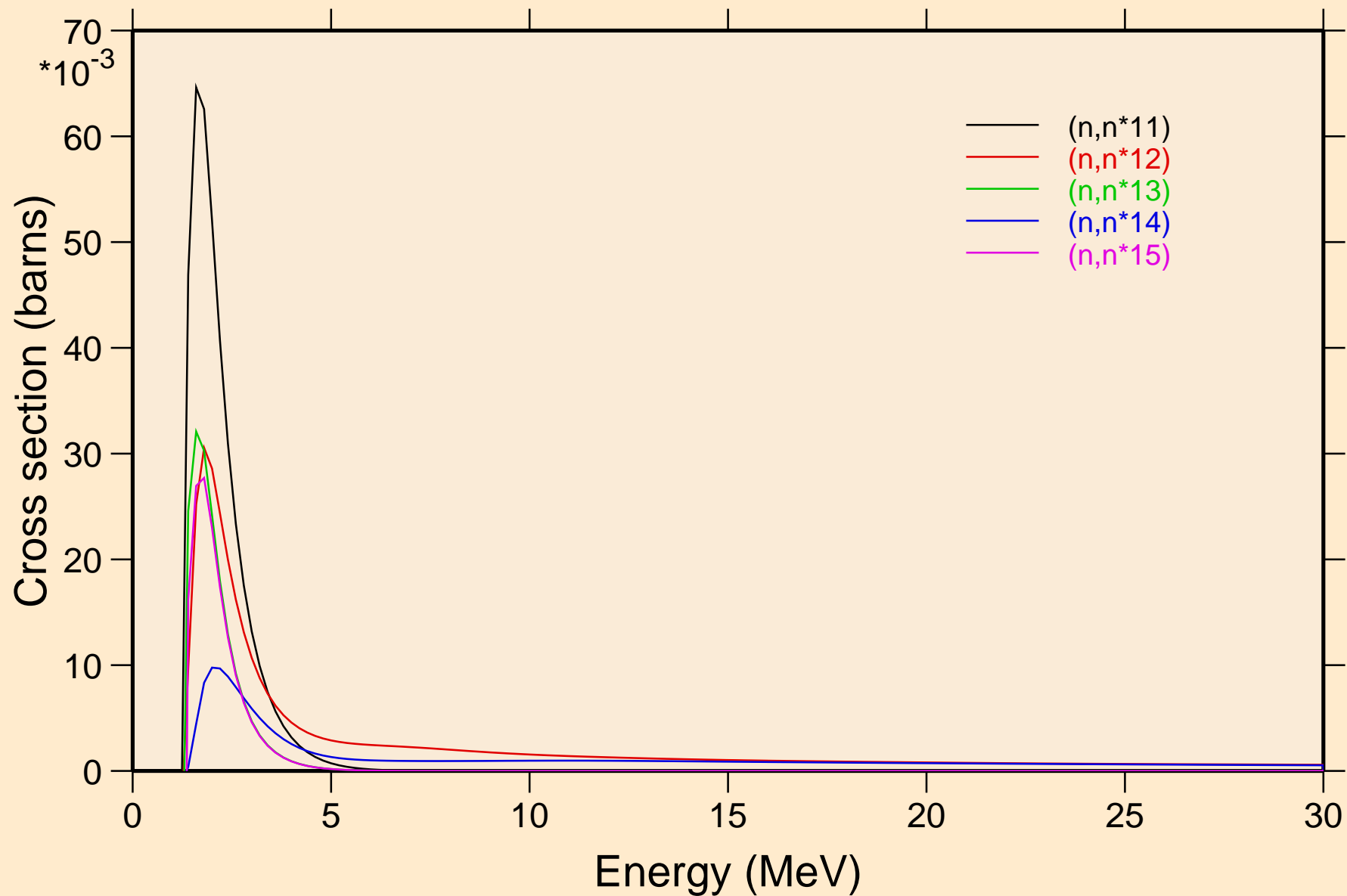
W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



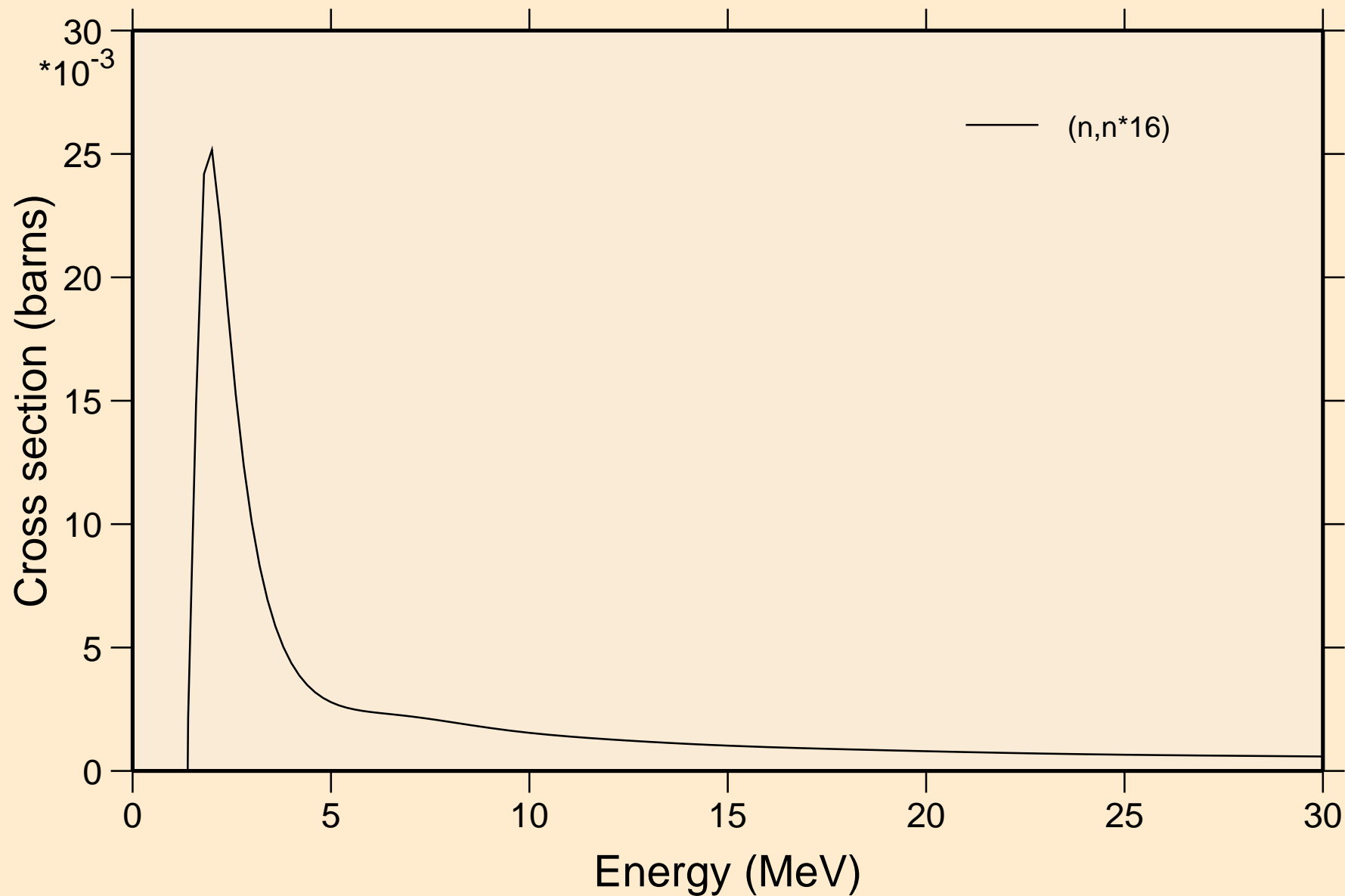
W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

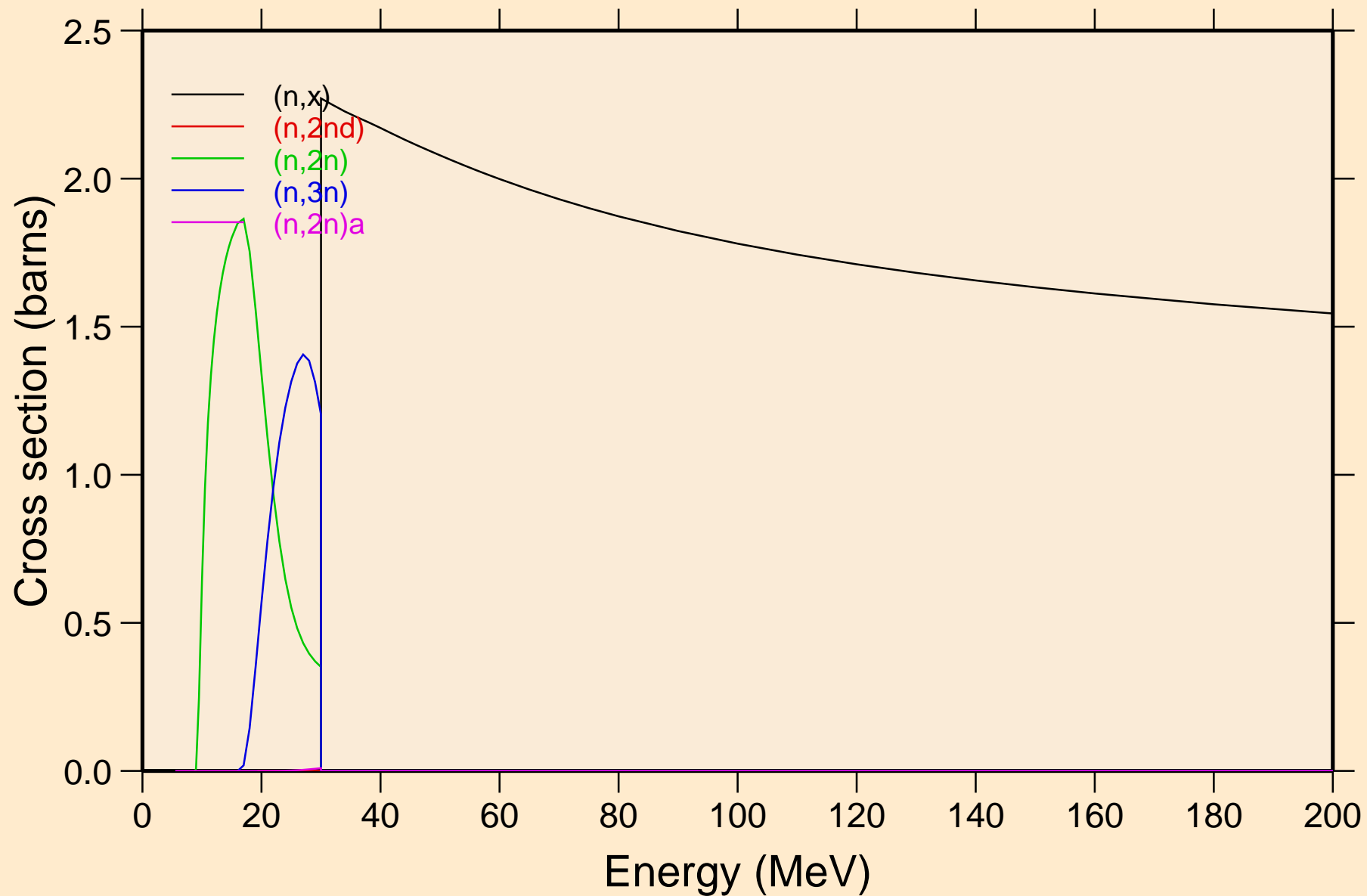


W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



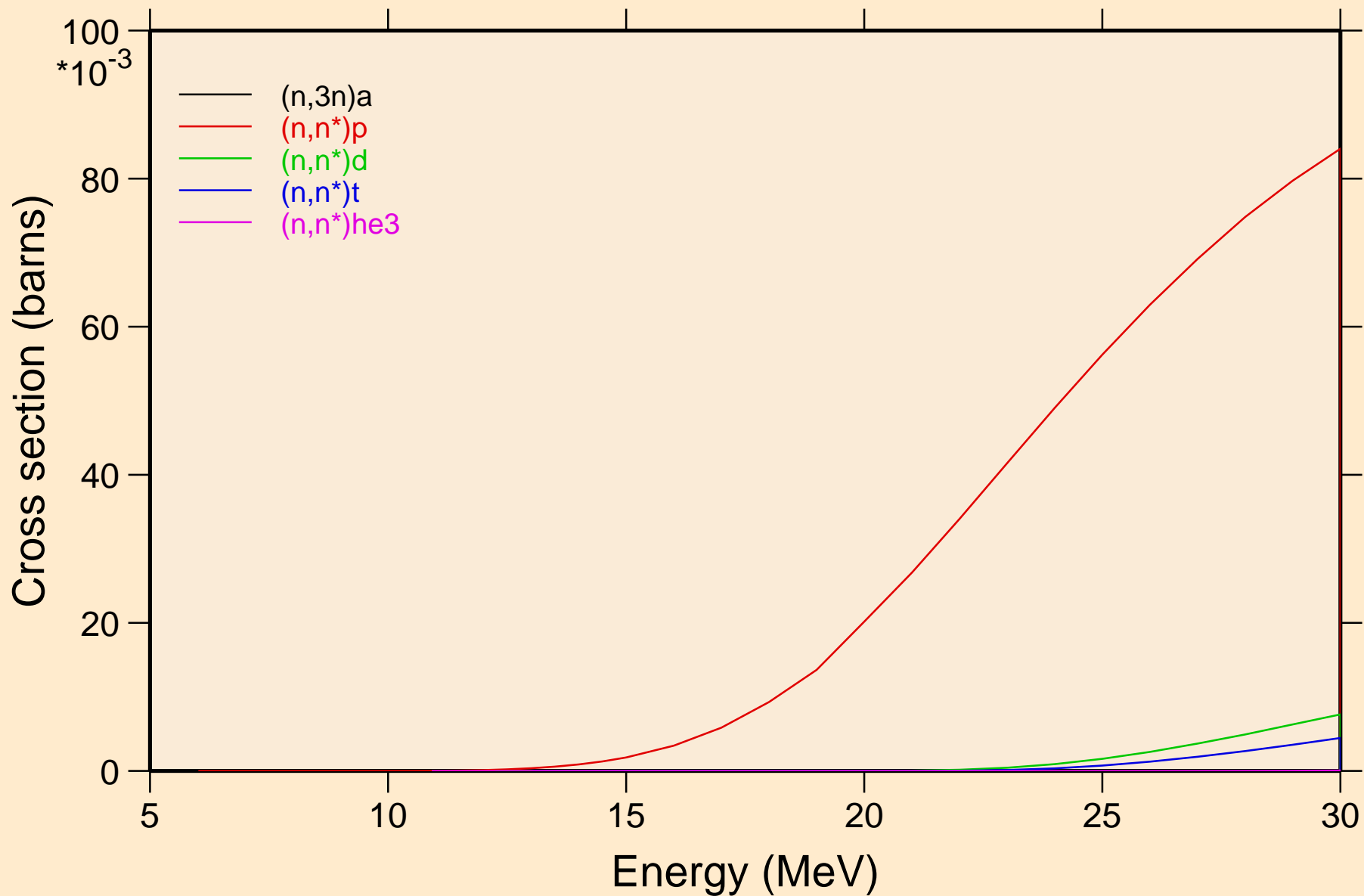
# W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



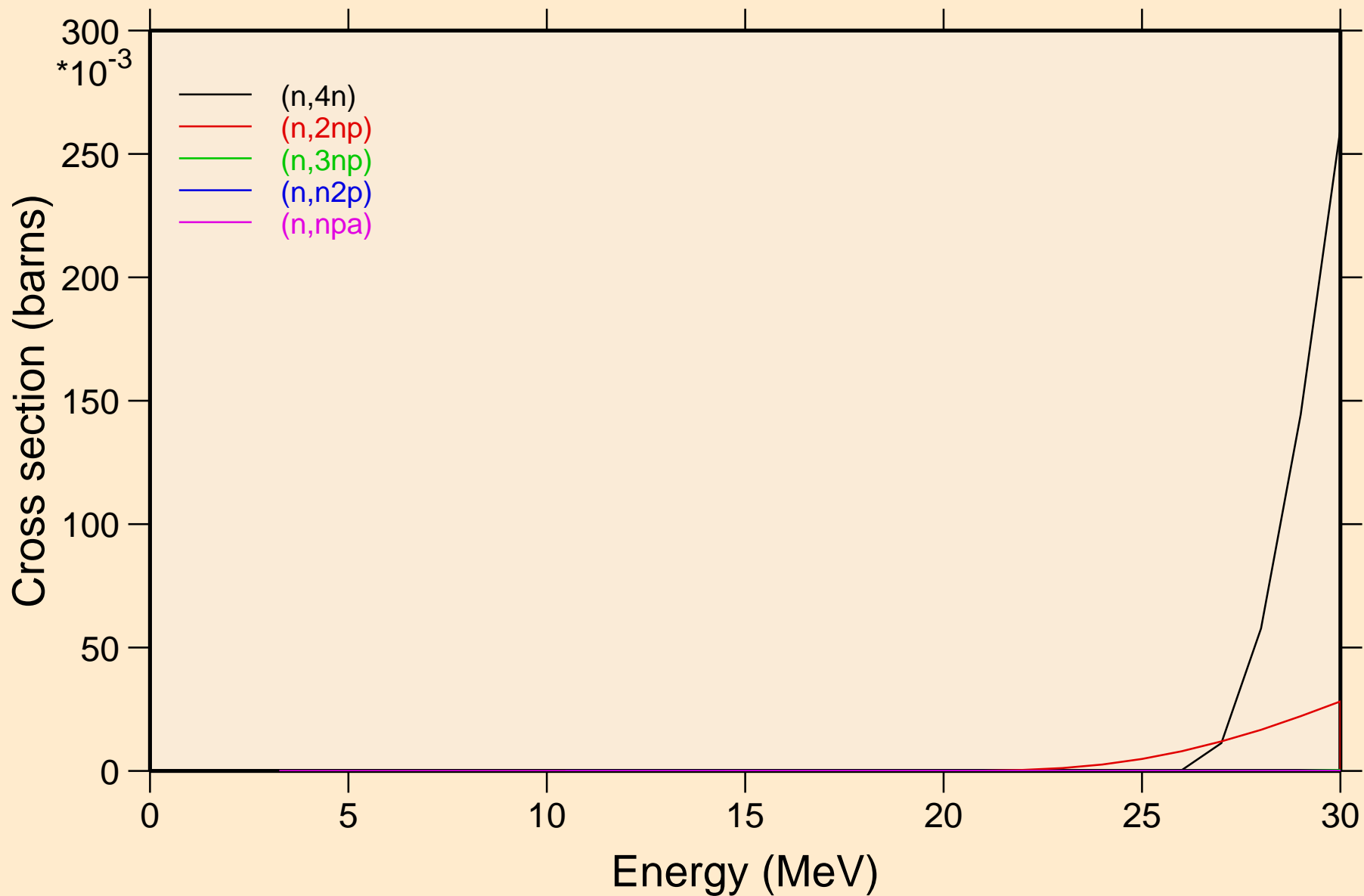
# W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions

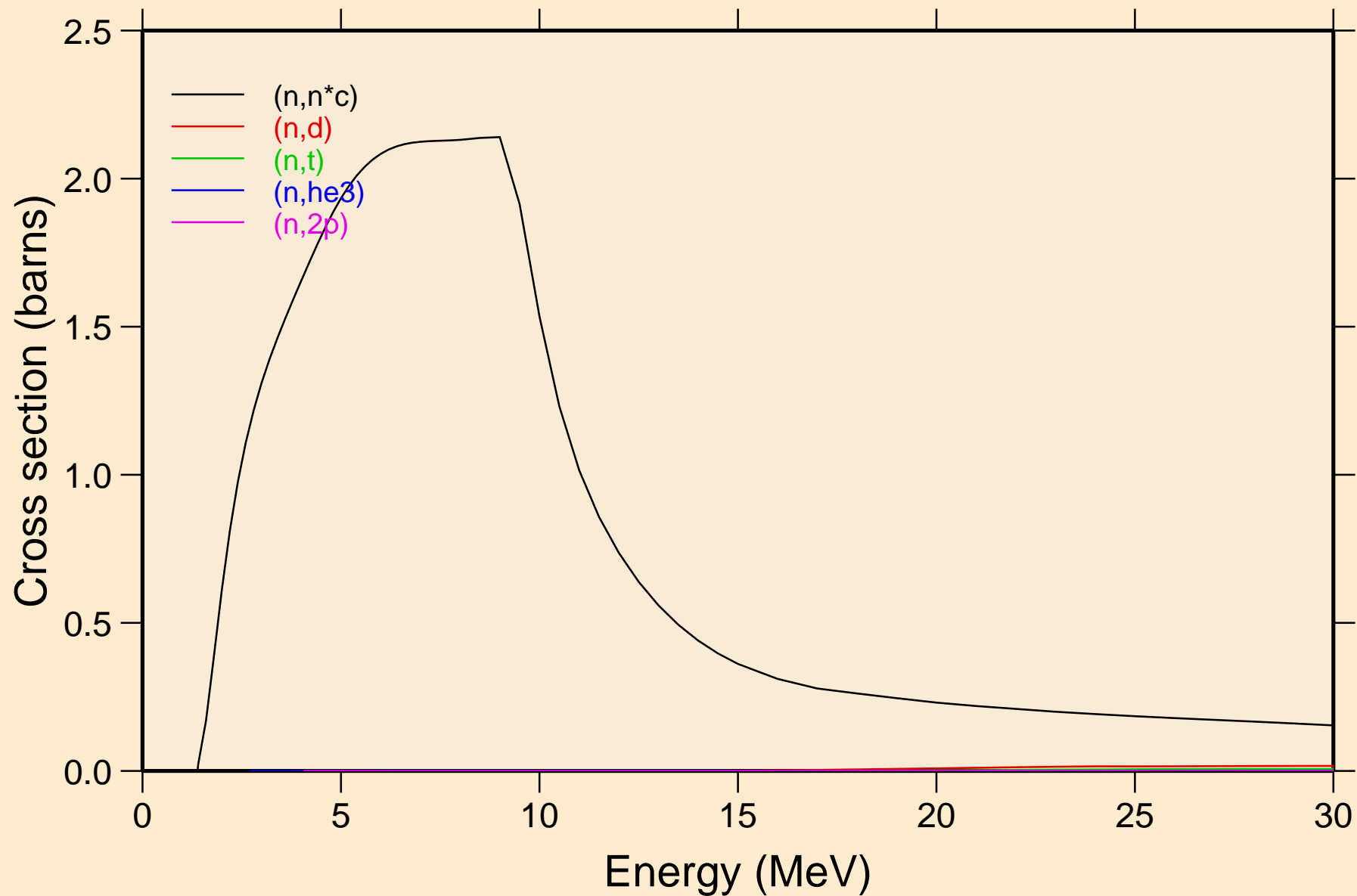




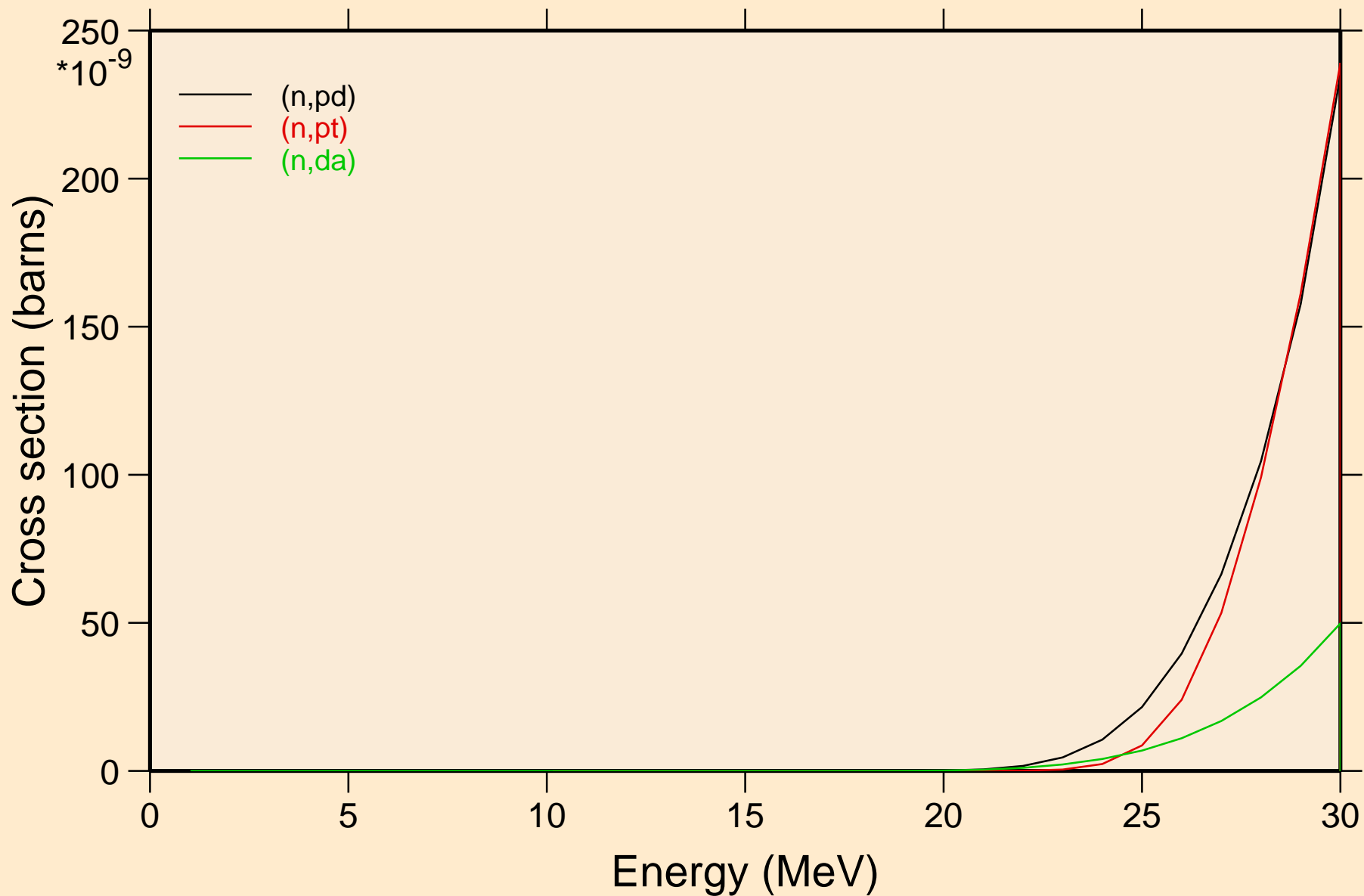
W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

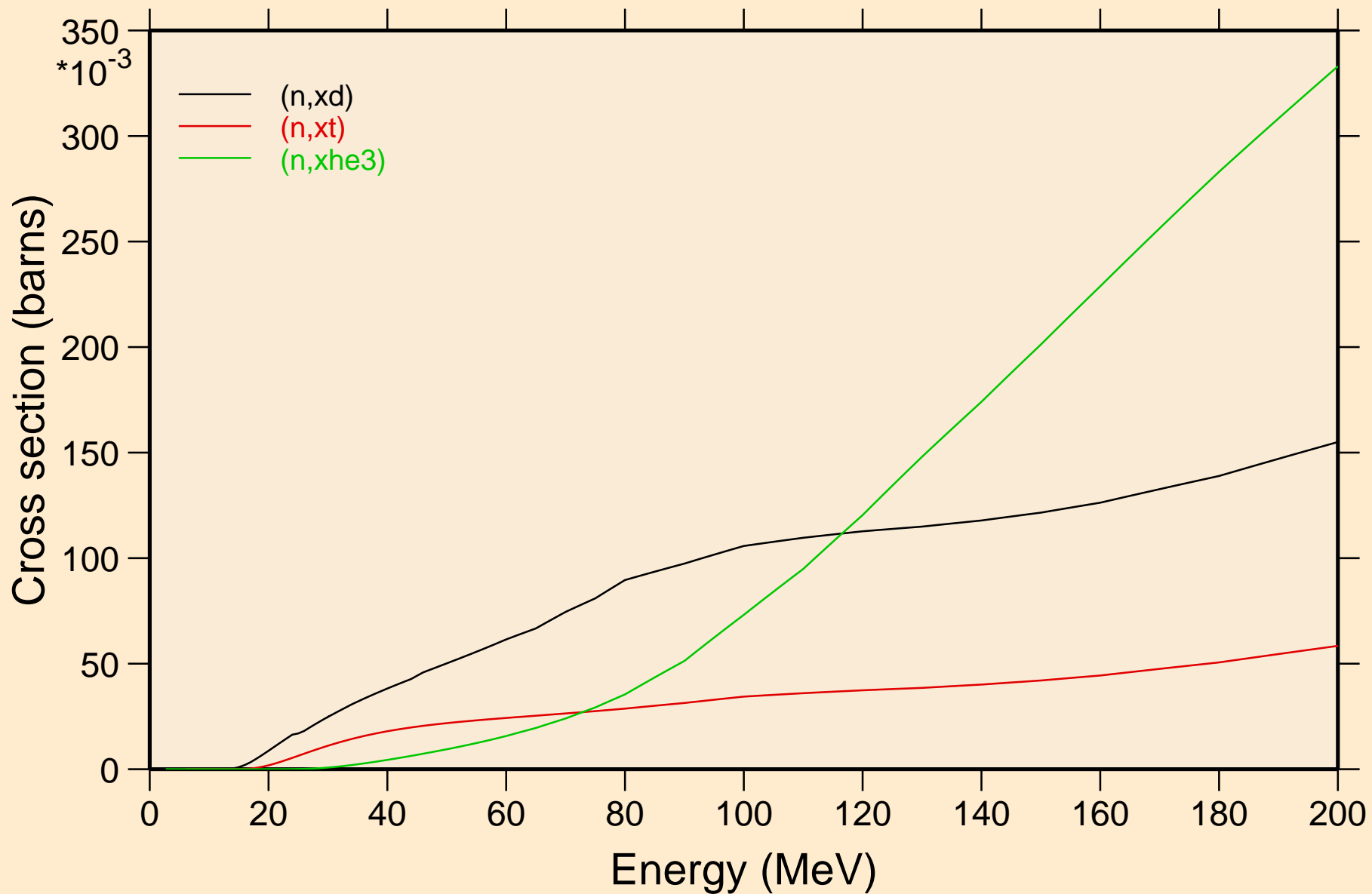


W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

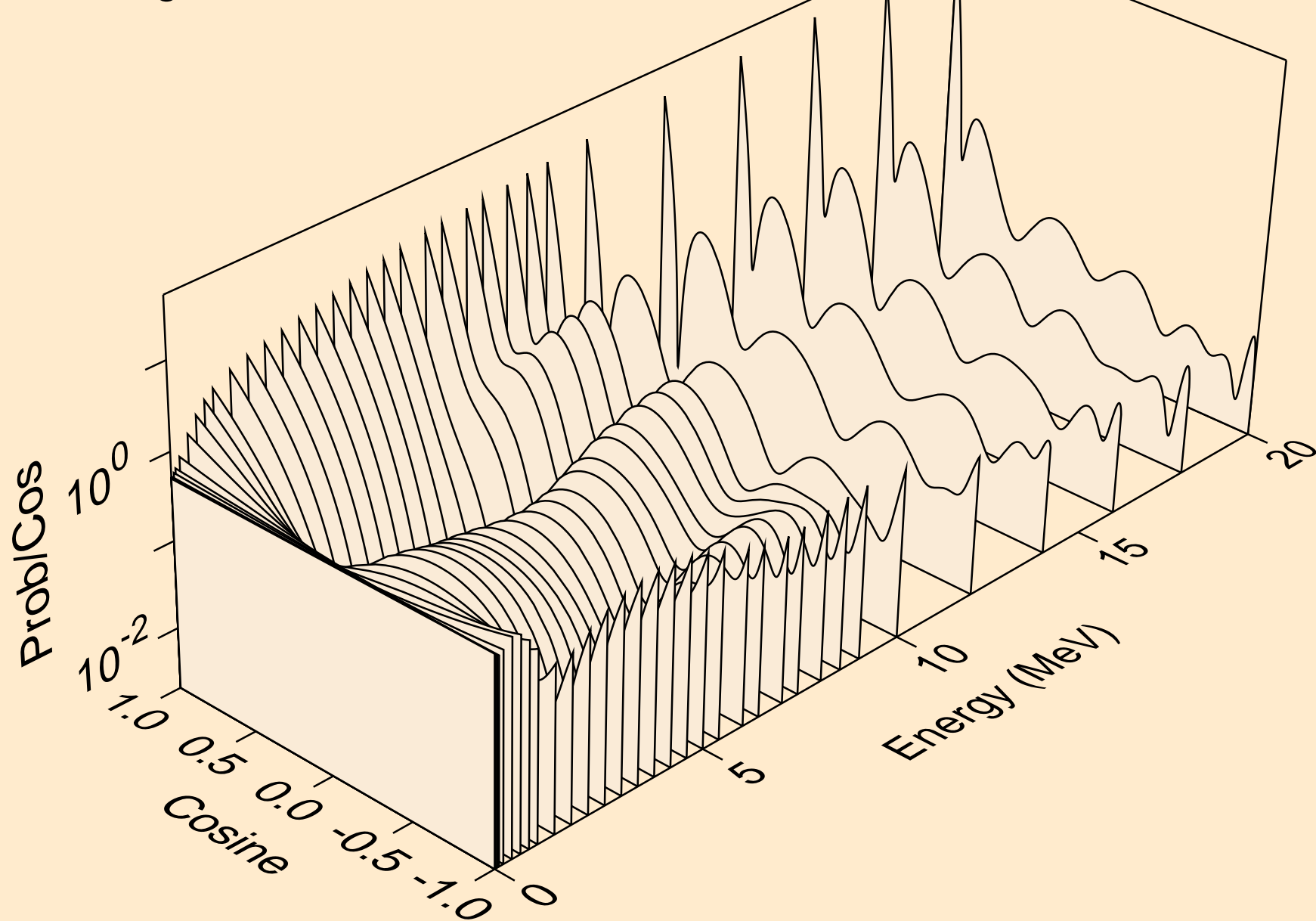


# W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

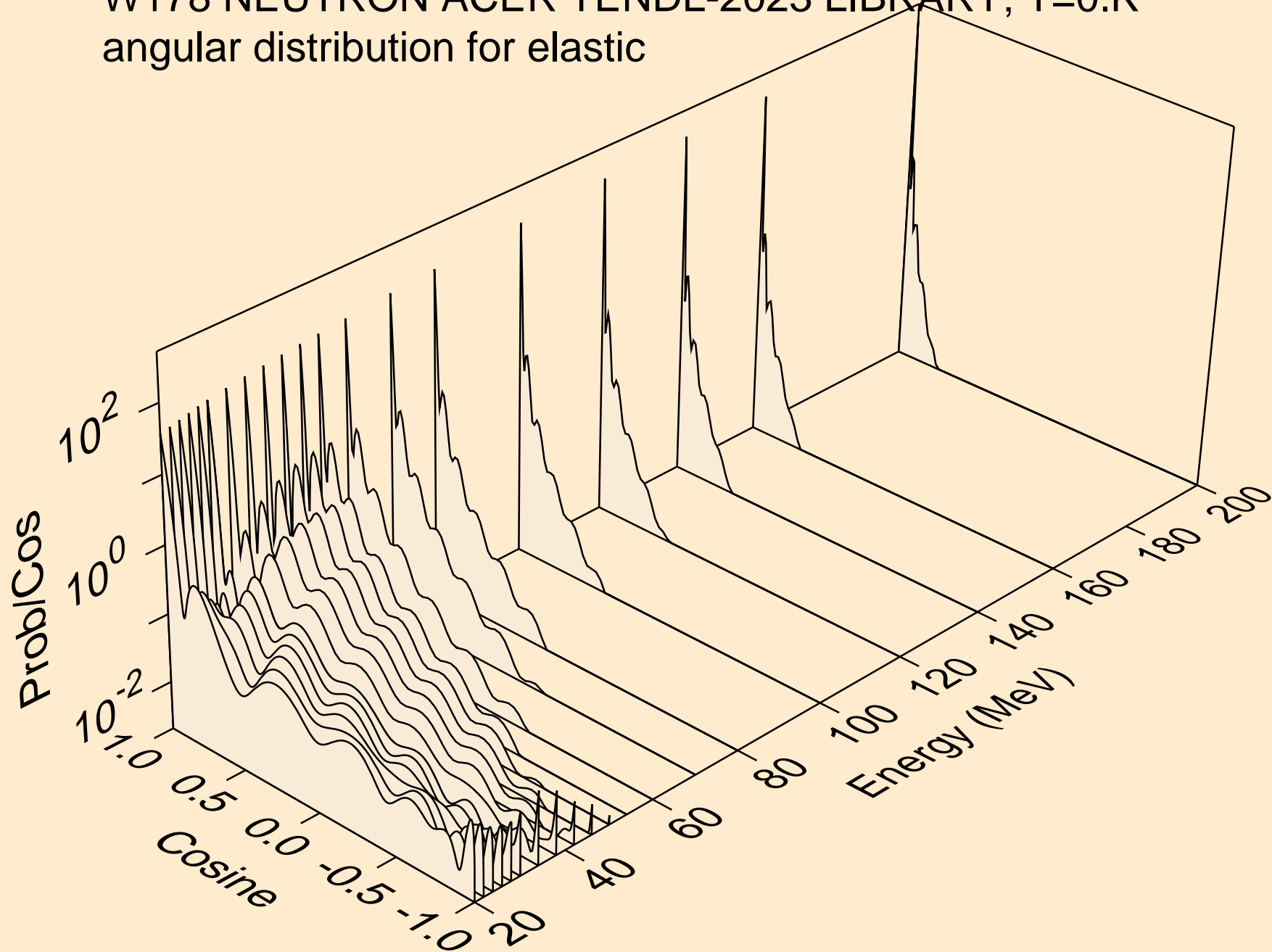
## Threshold reactions



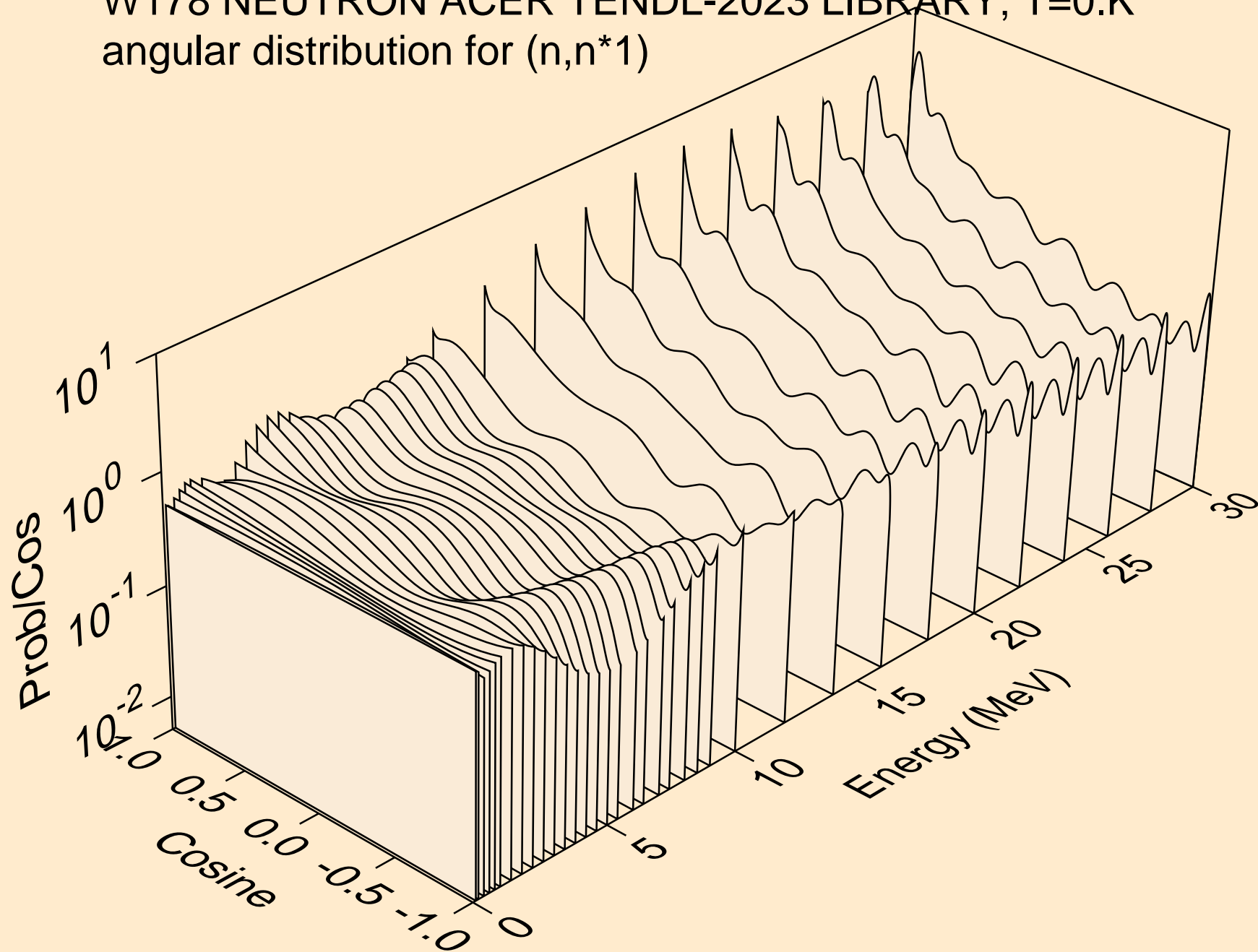
W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



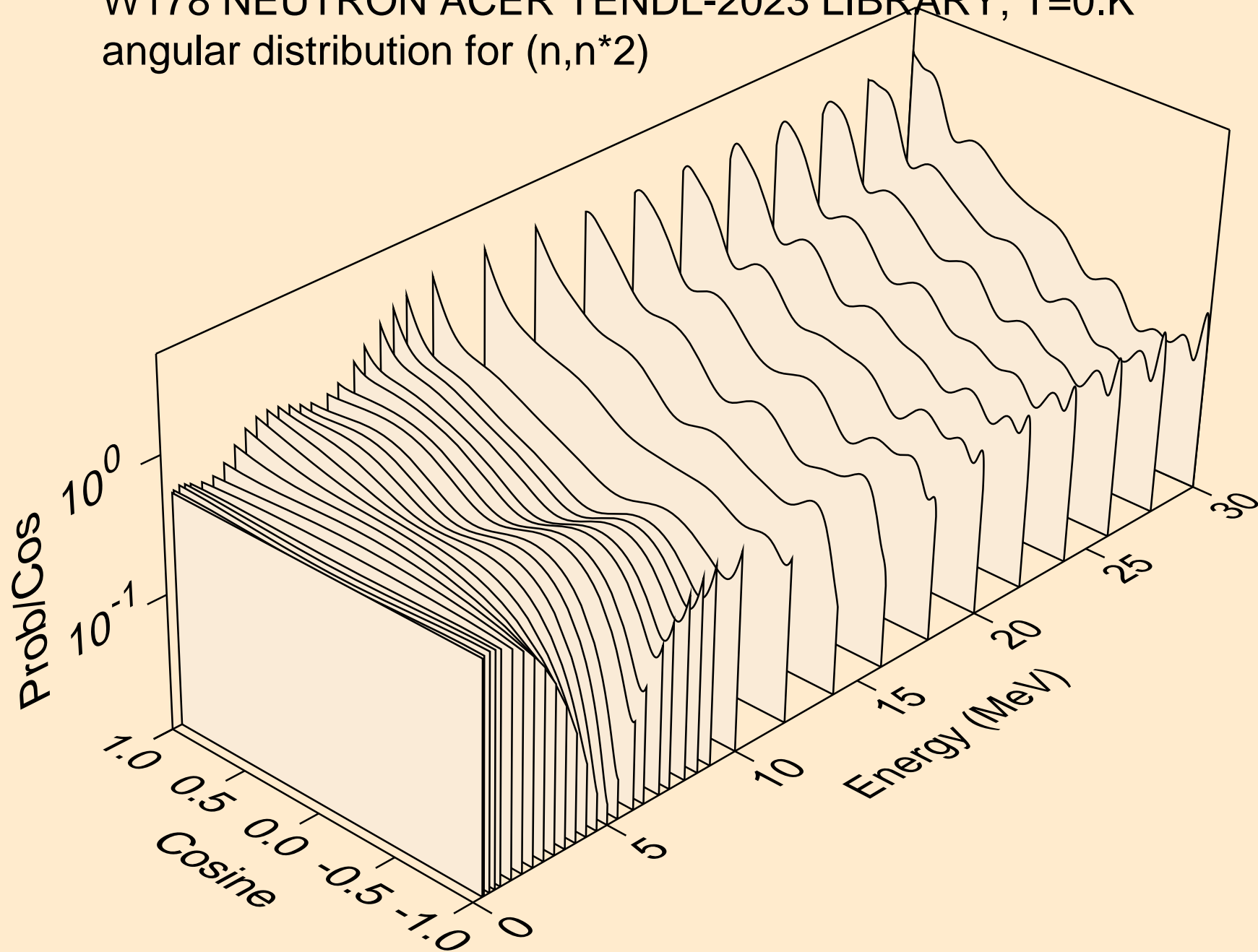
W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*1)

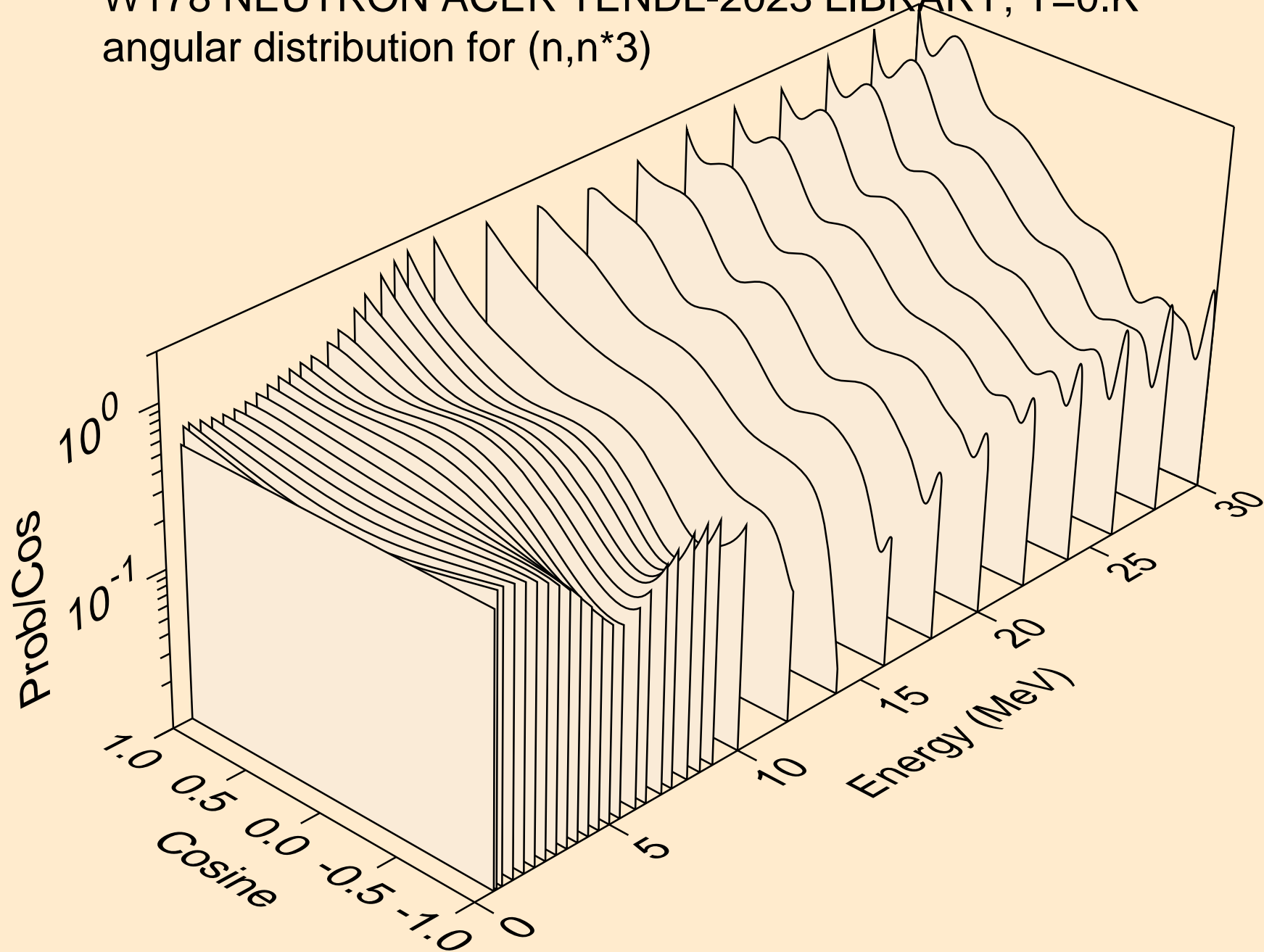


W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*2)

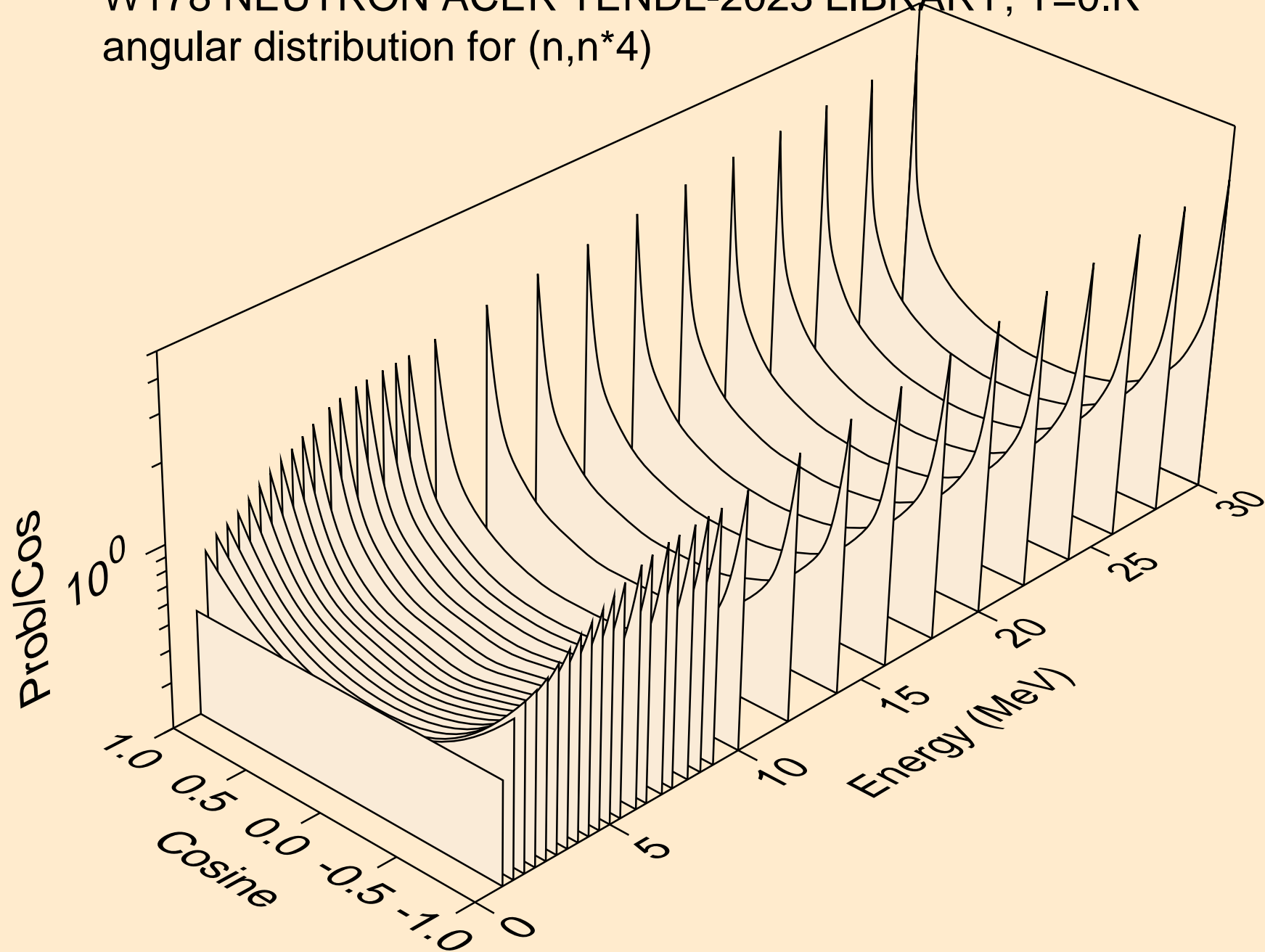




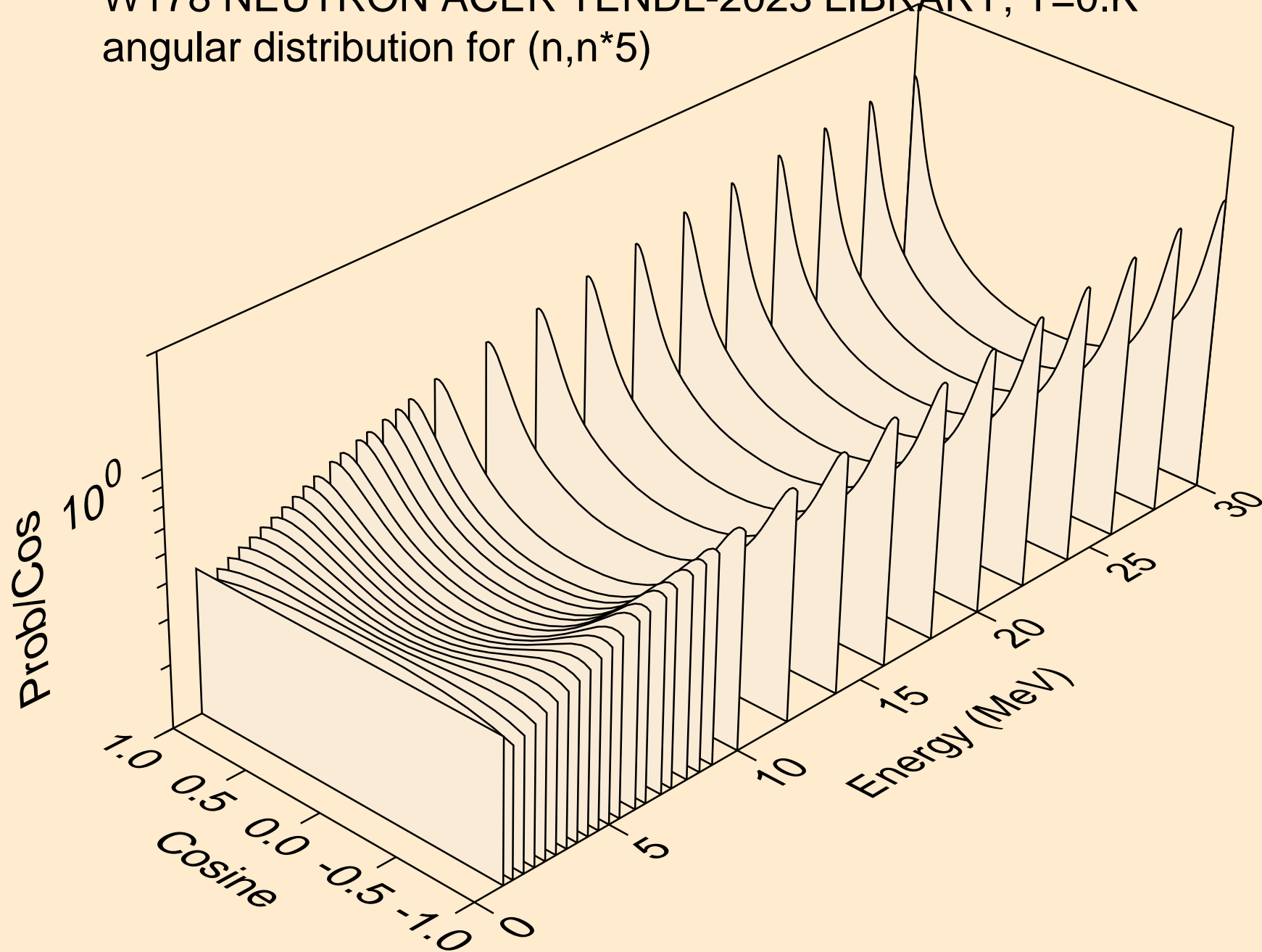
W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*3)



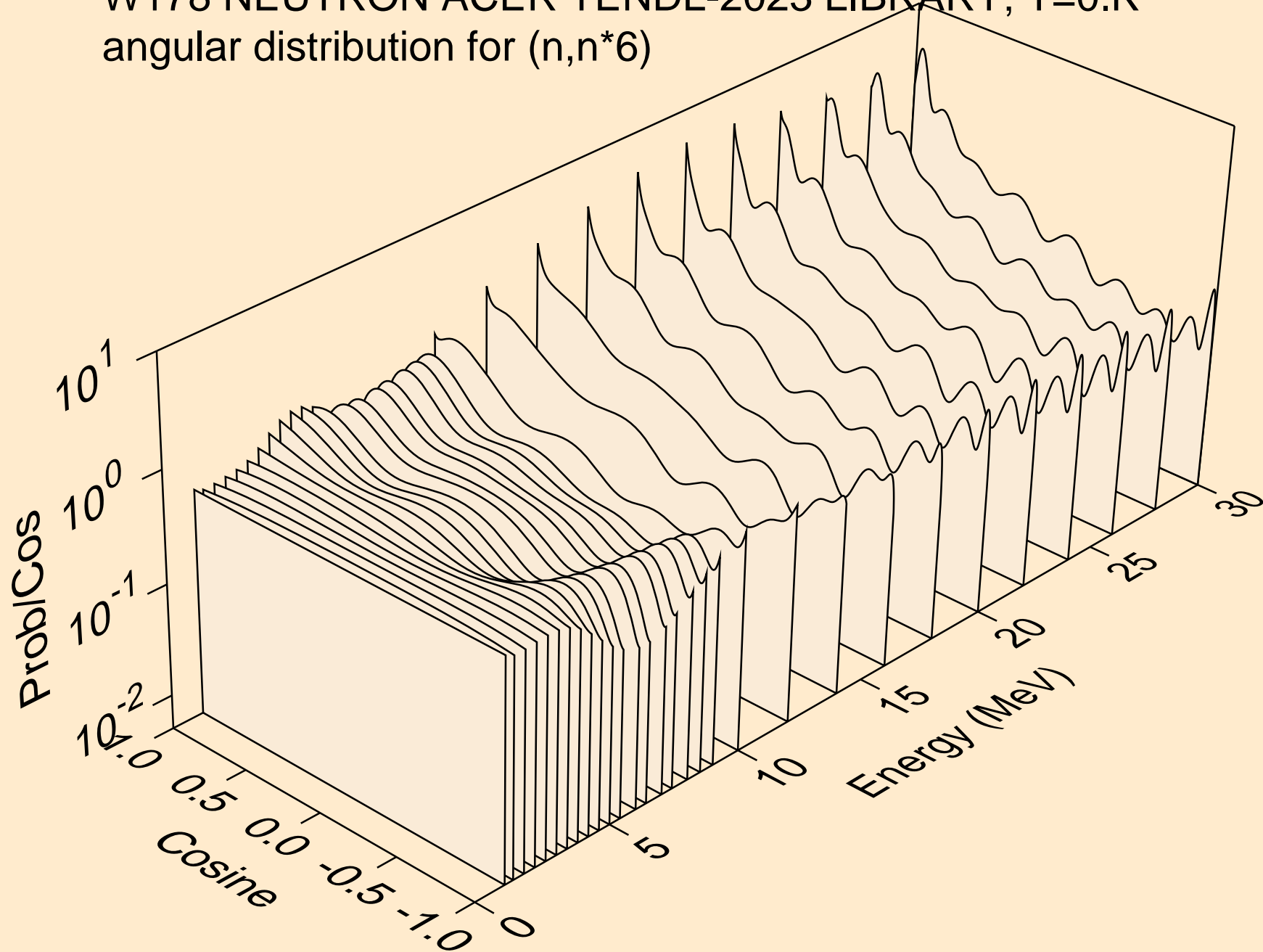
W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*4)



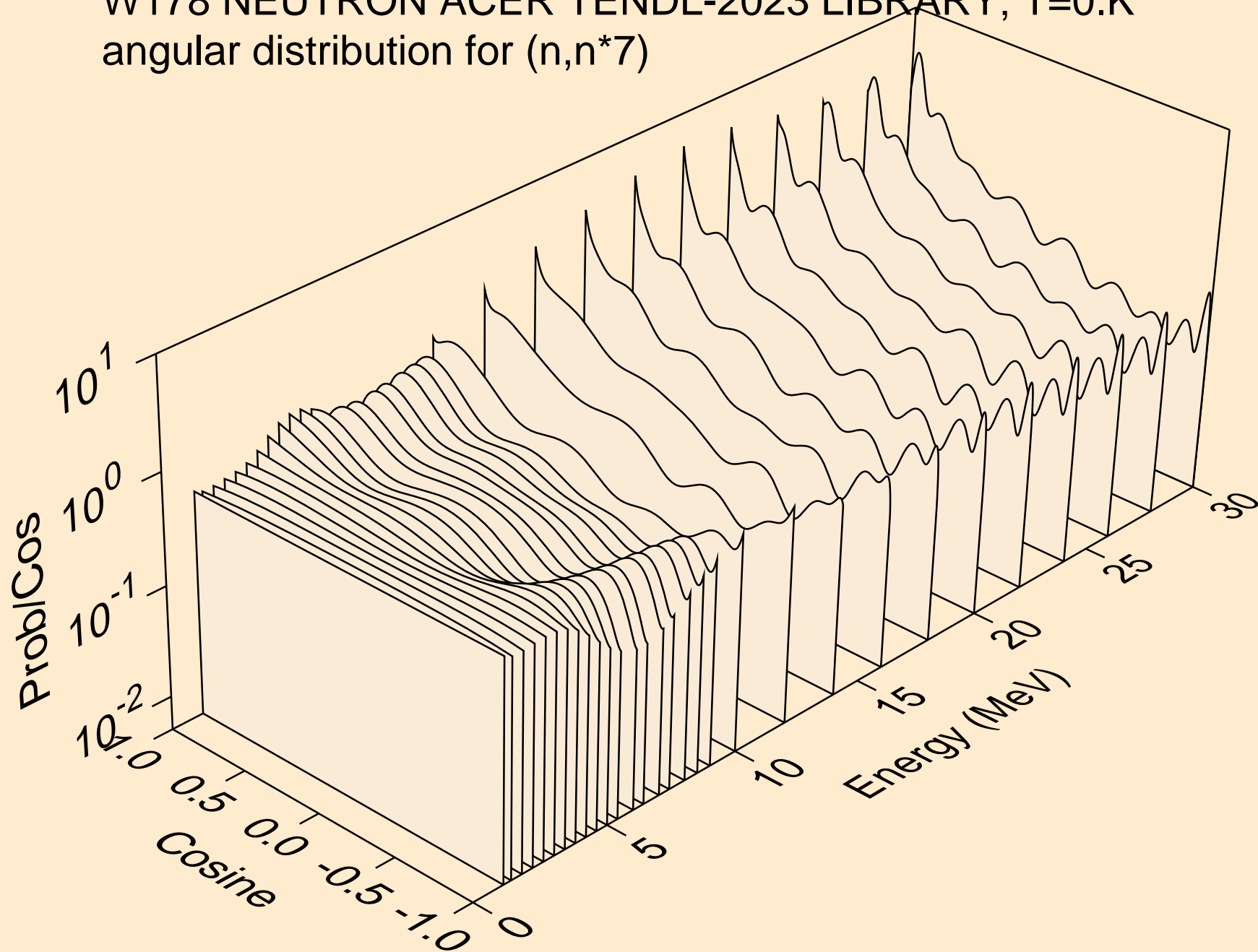
W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*5)



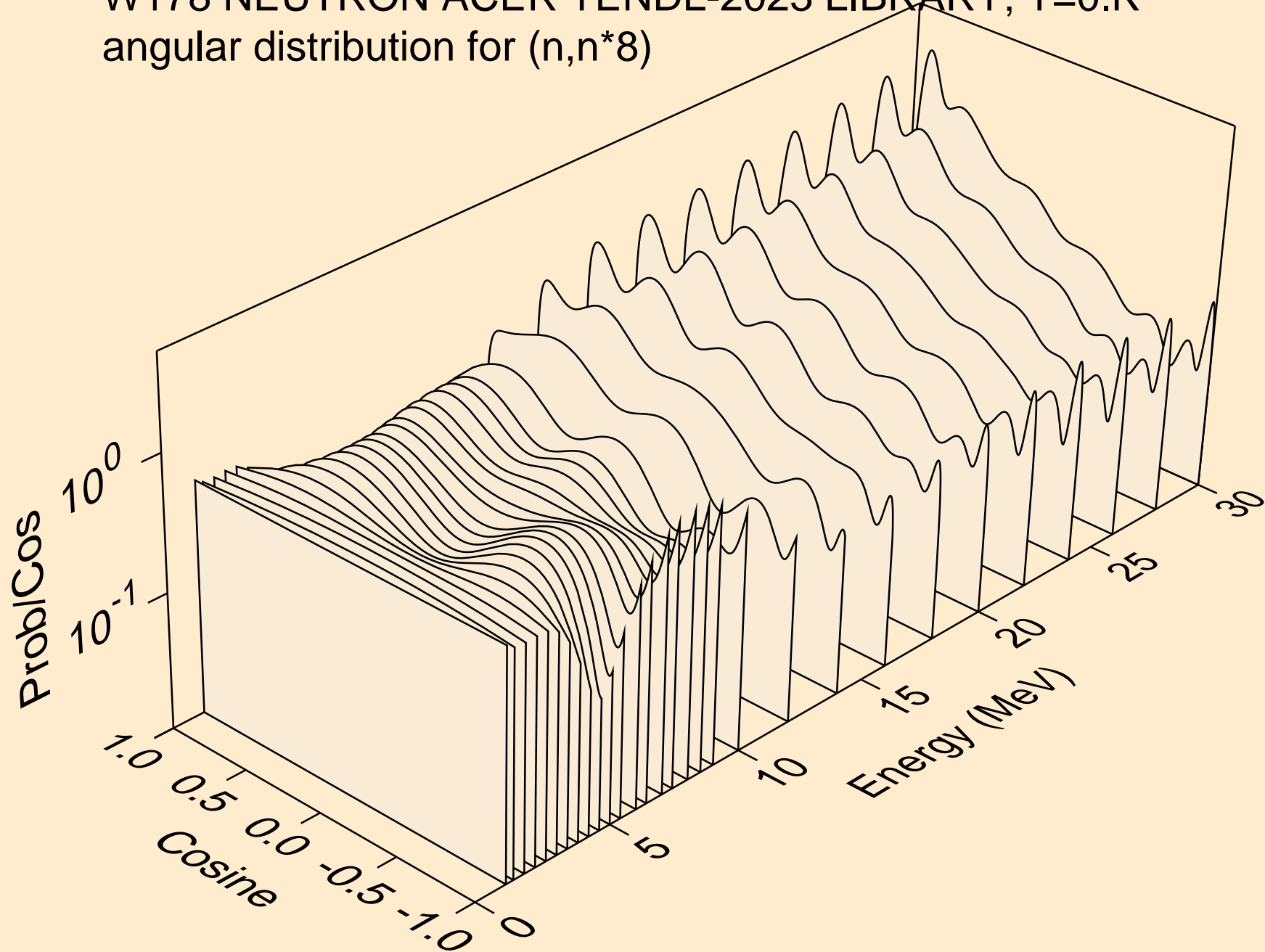
W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*6)



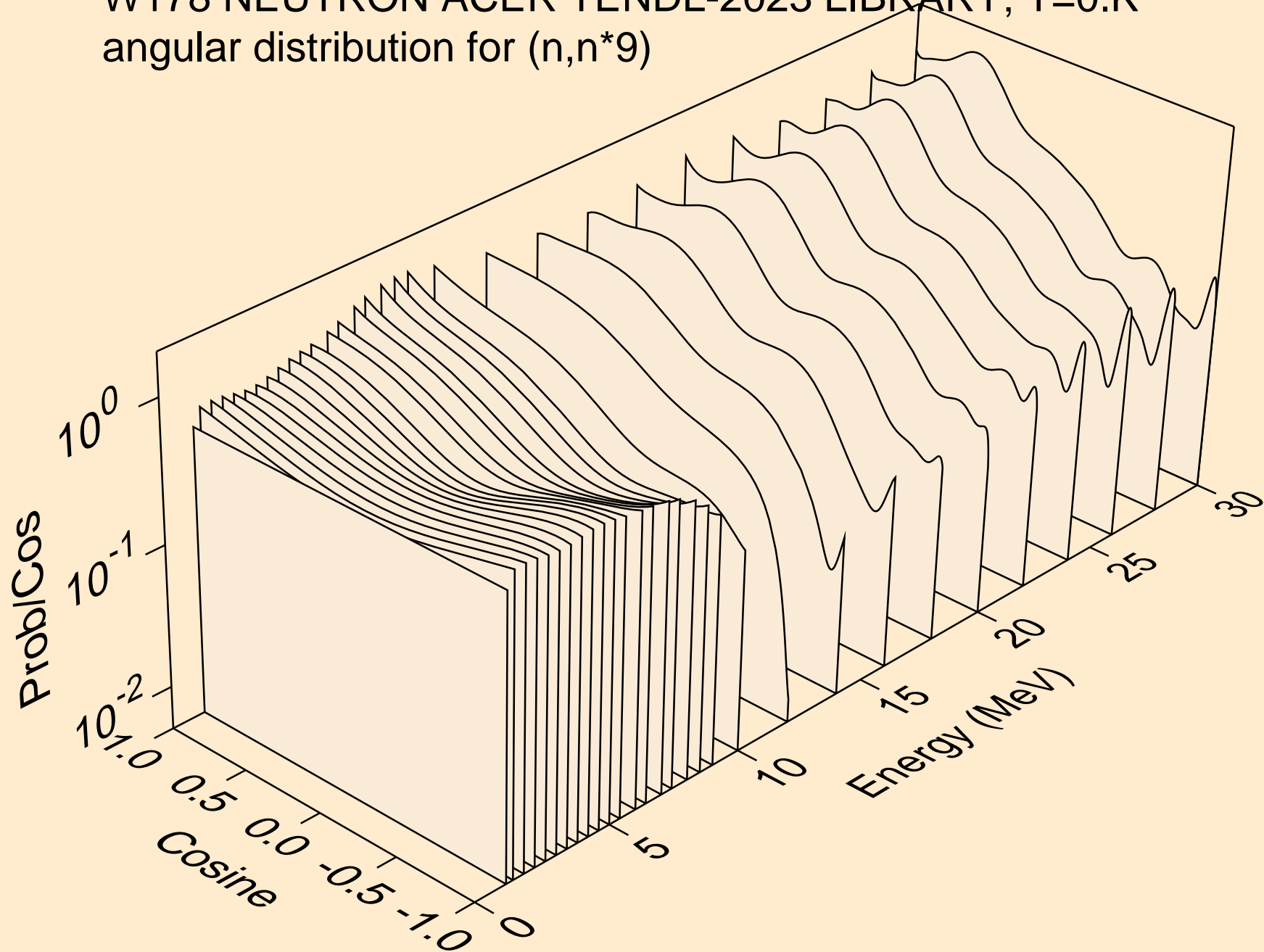
W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*7)



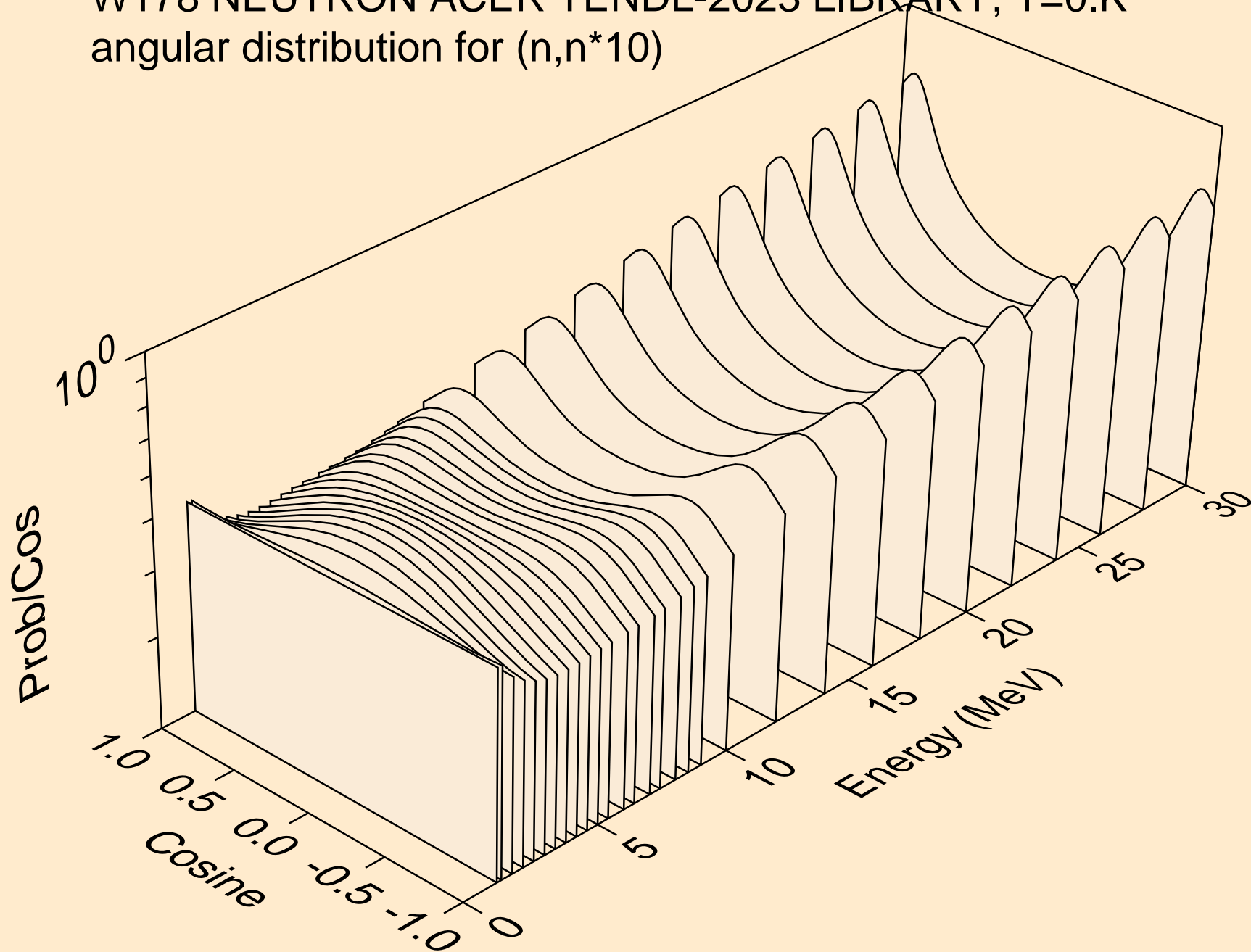
W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*8)



W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*9)

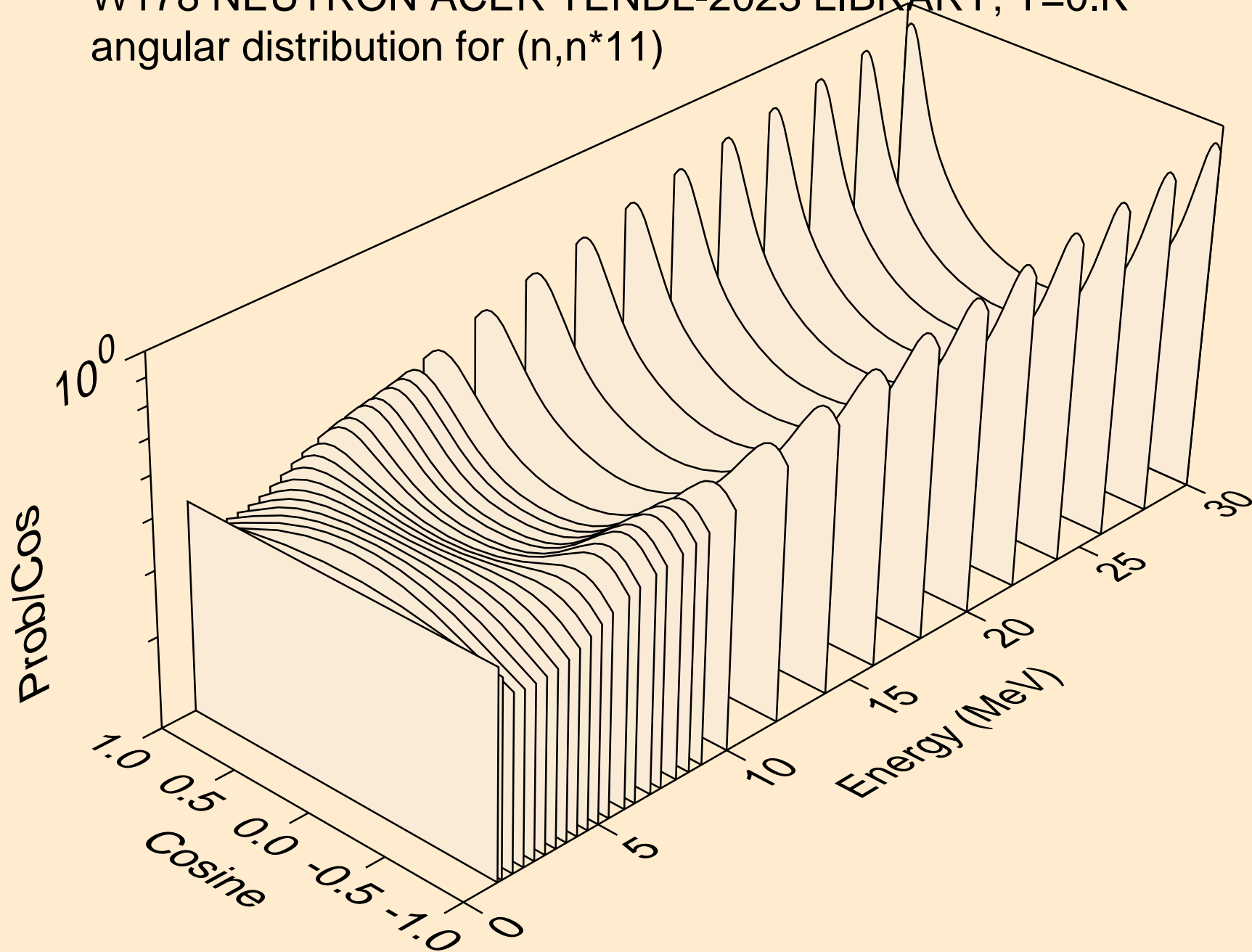


W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*10)

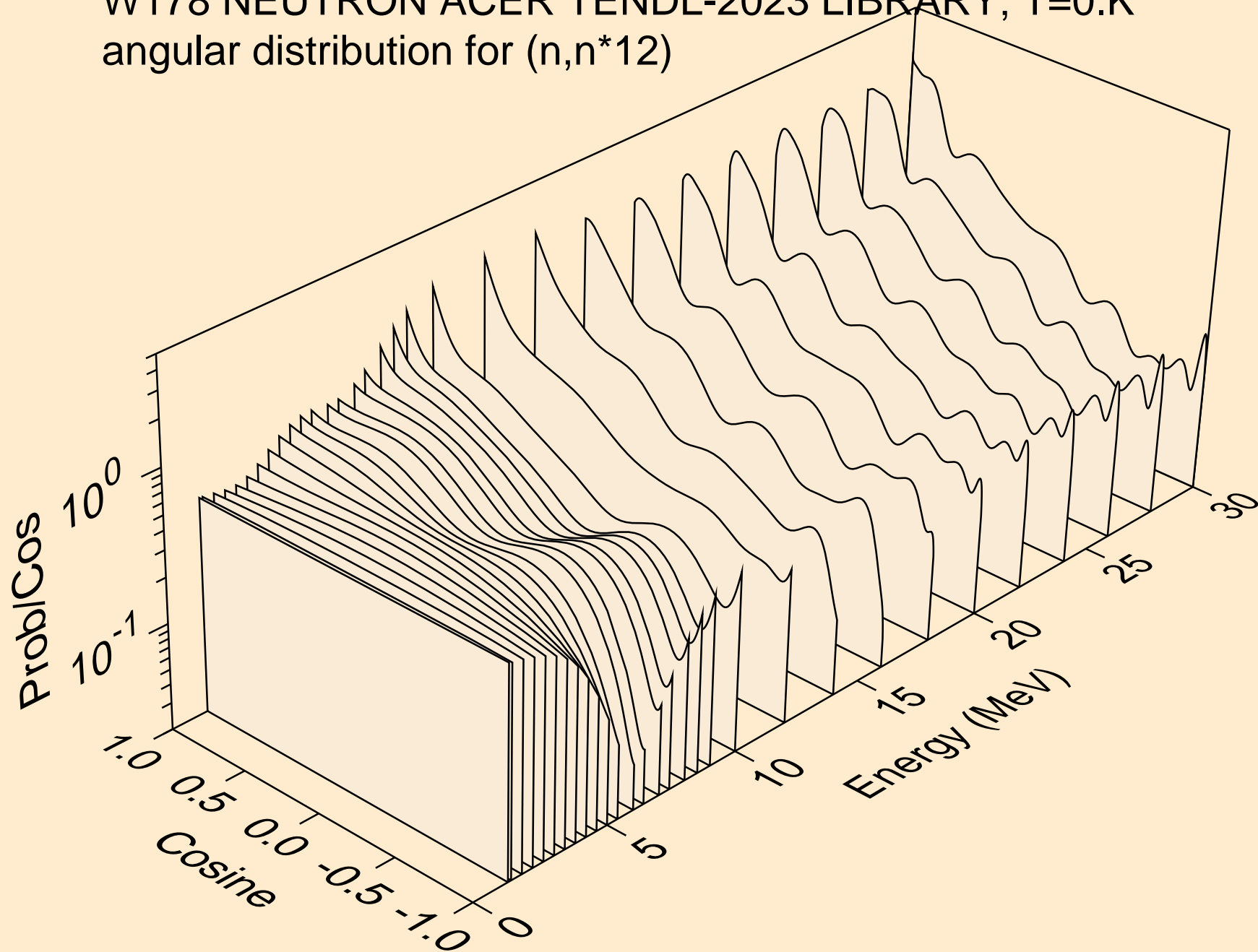




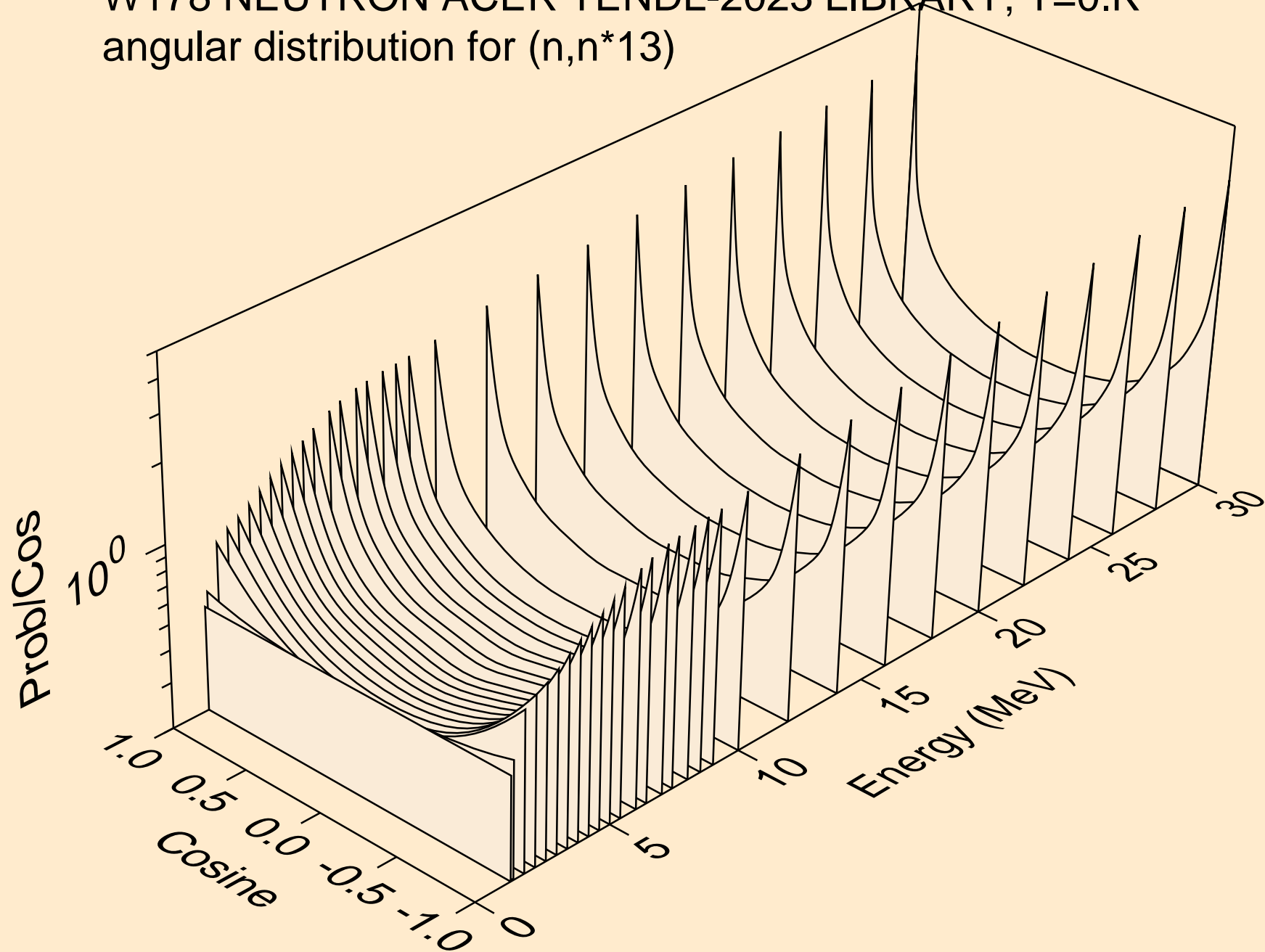
W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*11)



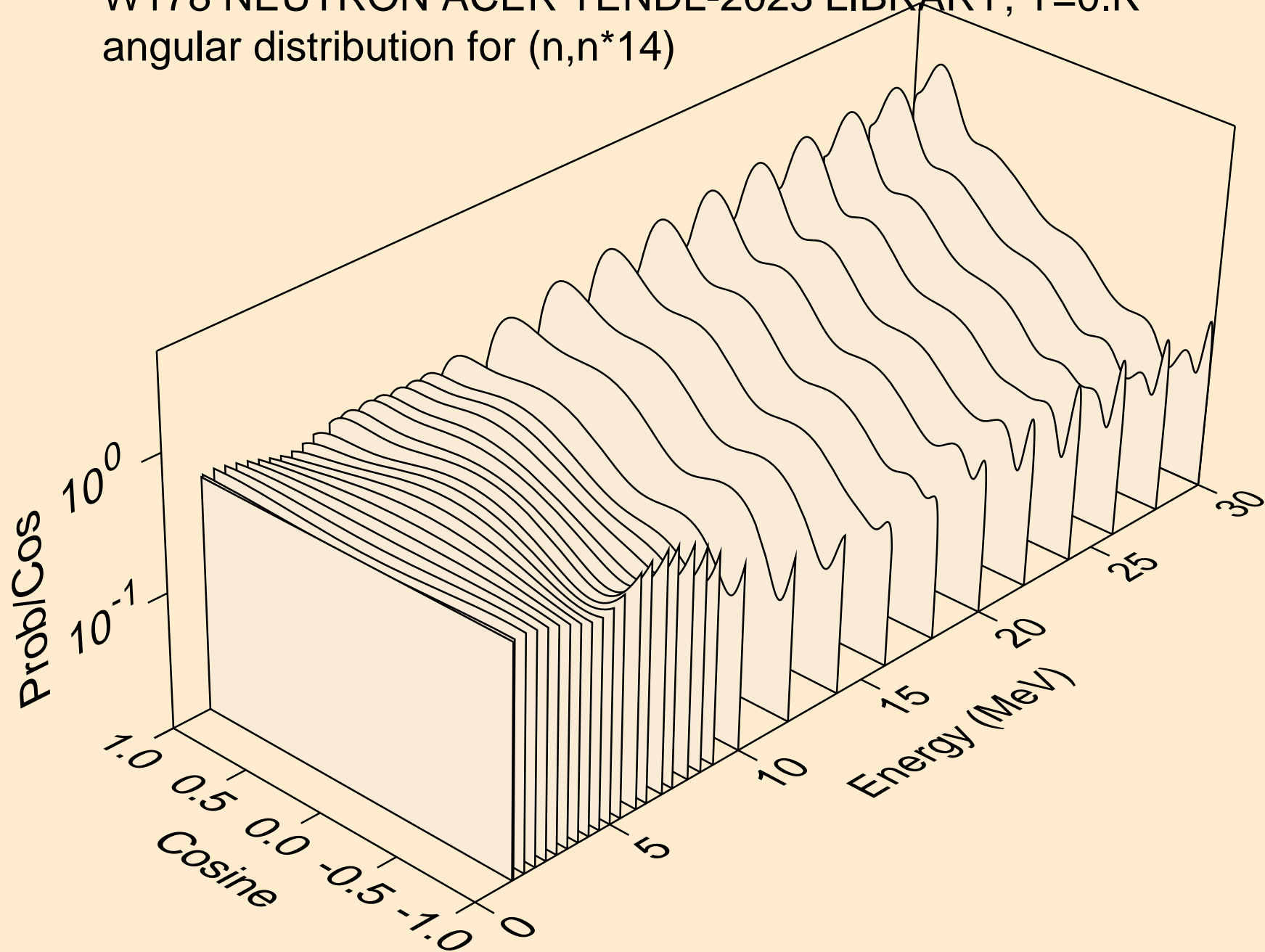
W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*12)



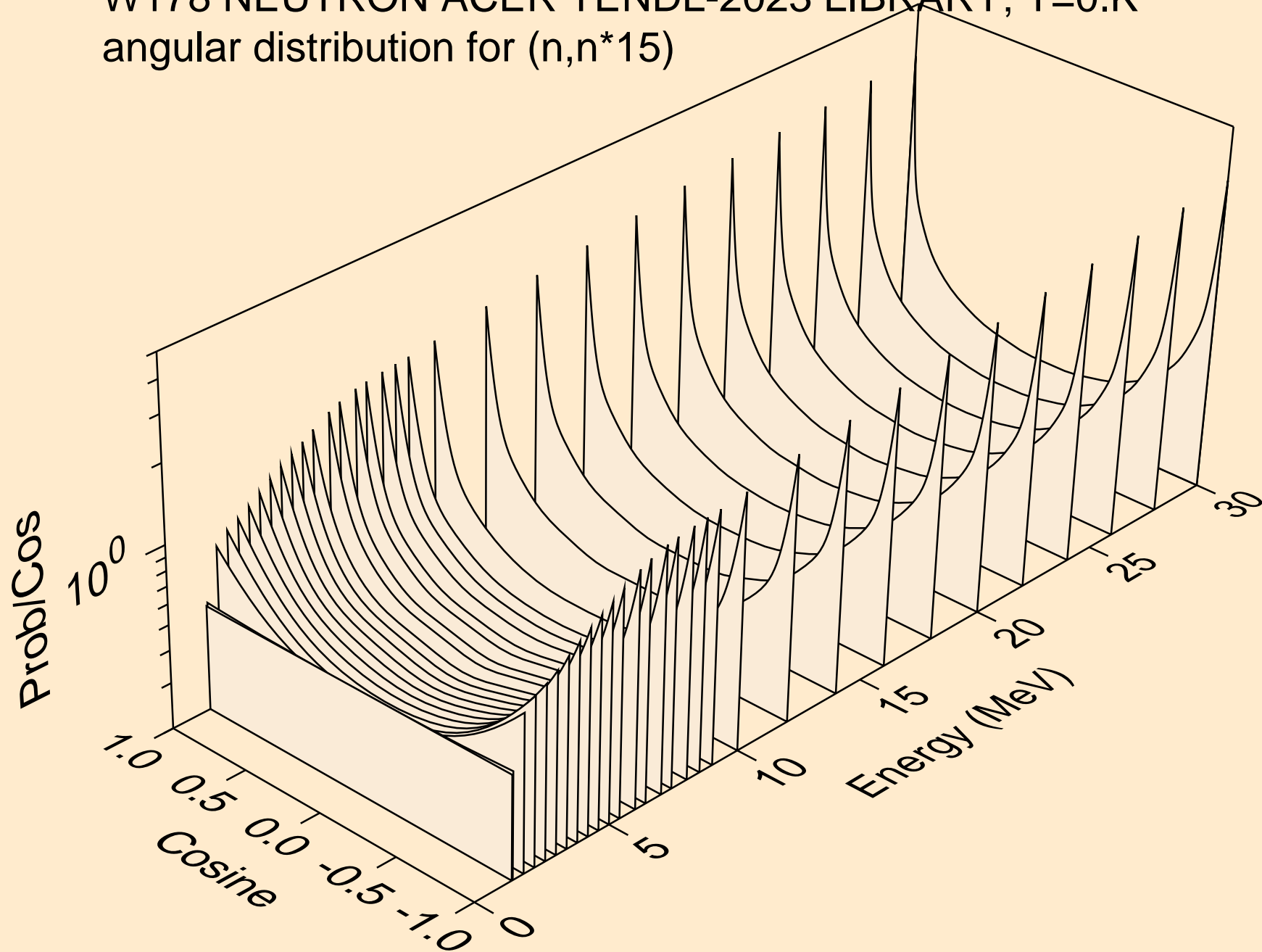
W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*13)



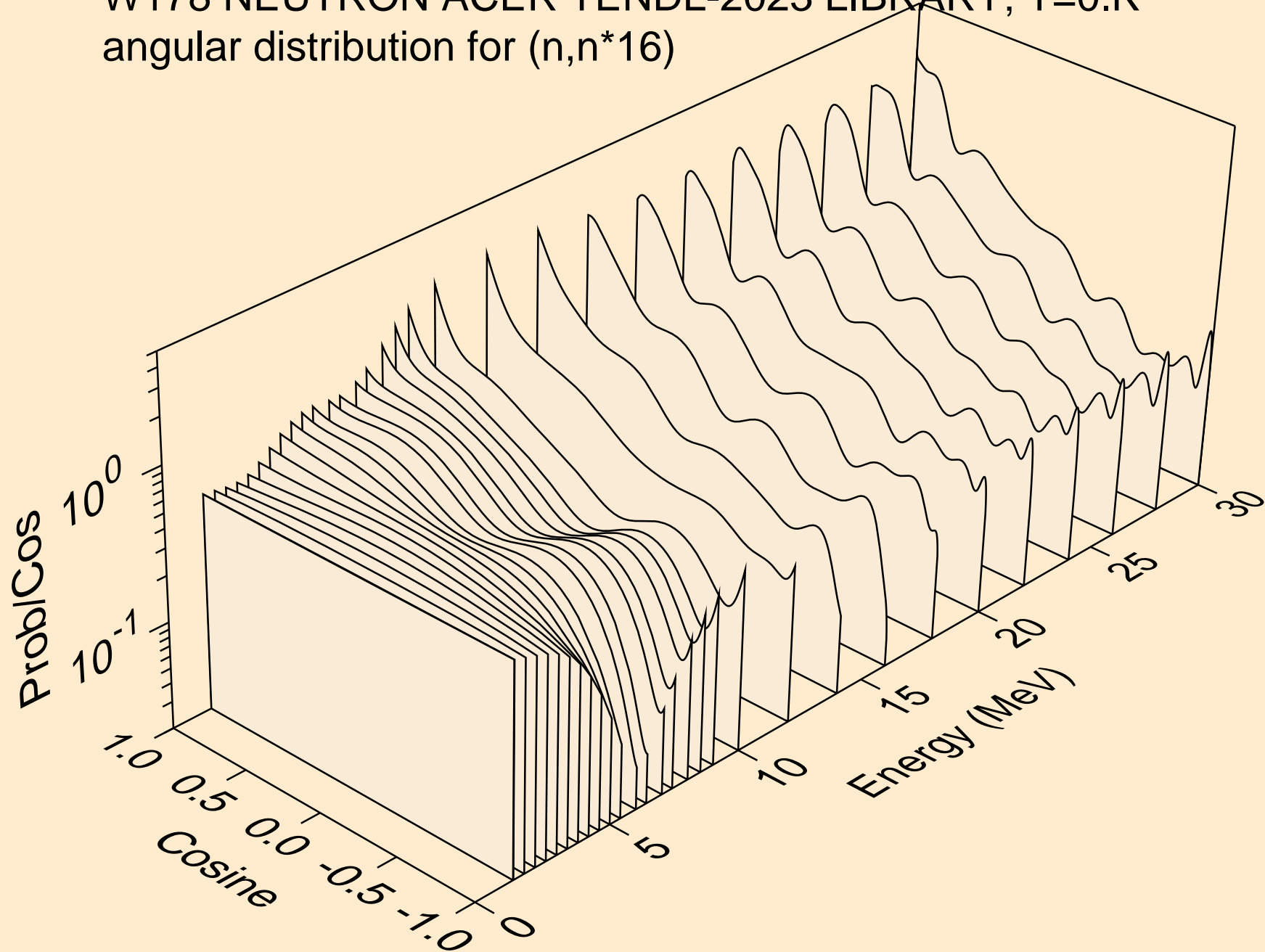
W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*14)



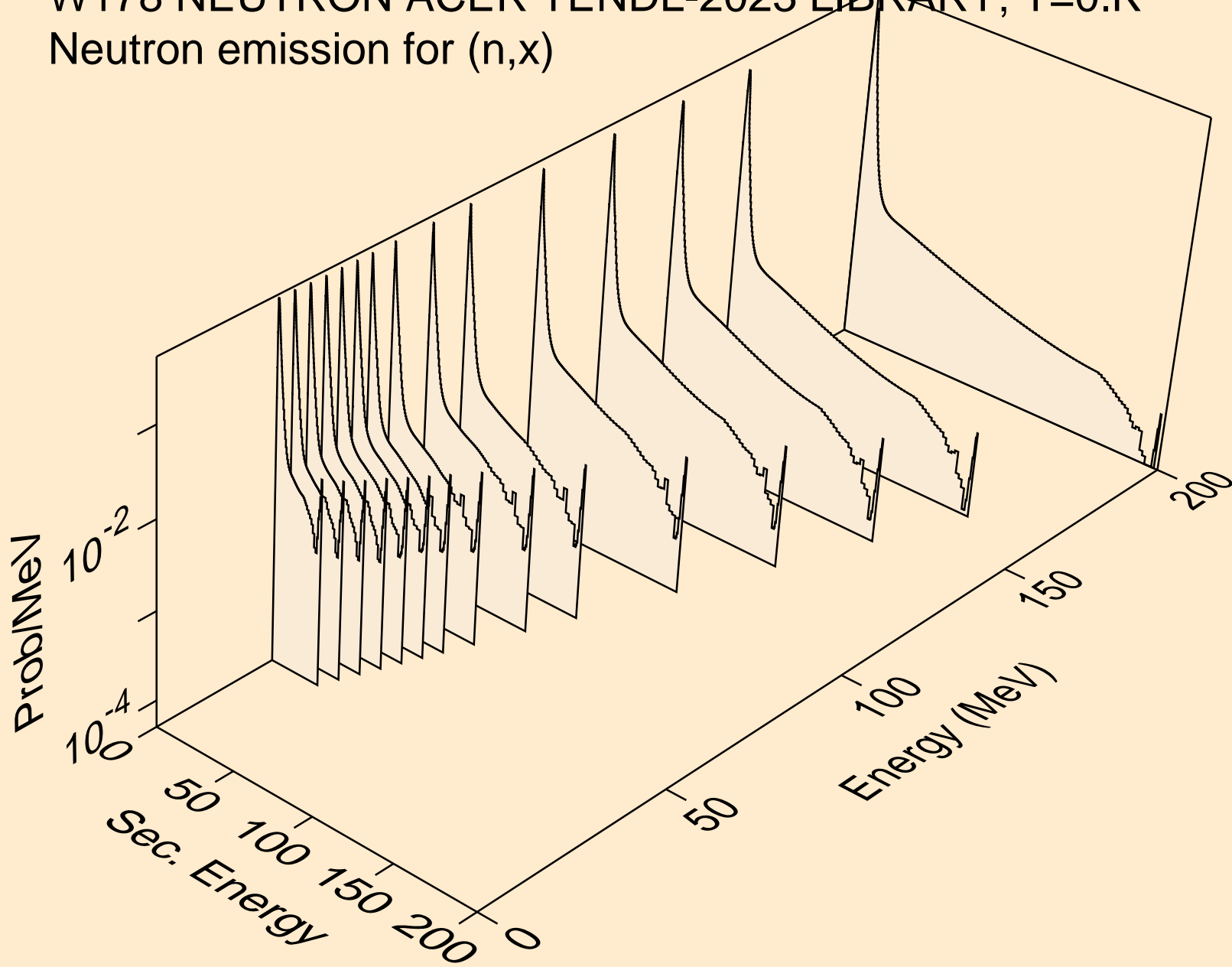
W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*15)



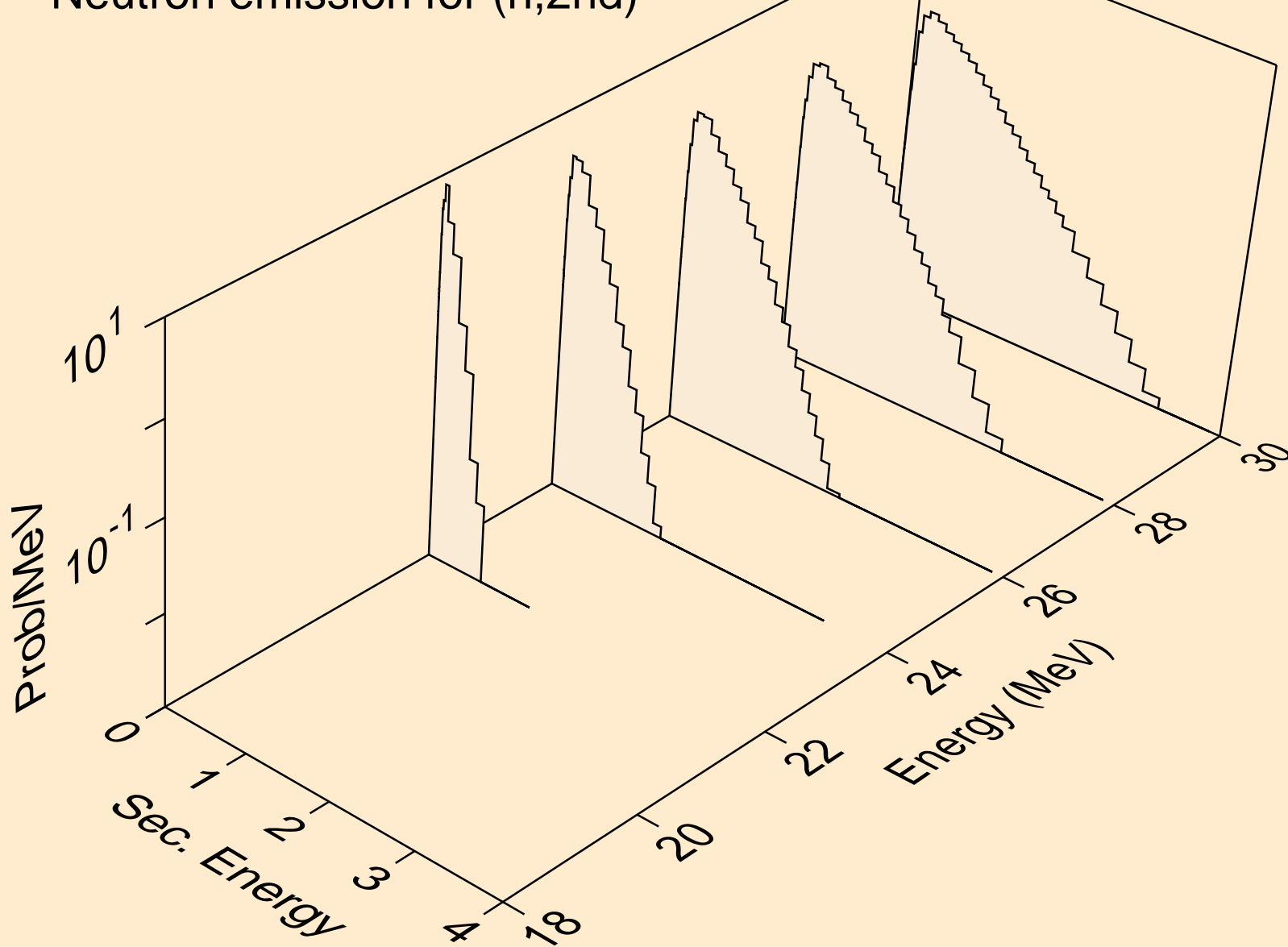
W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*16)



W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,x)

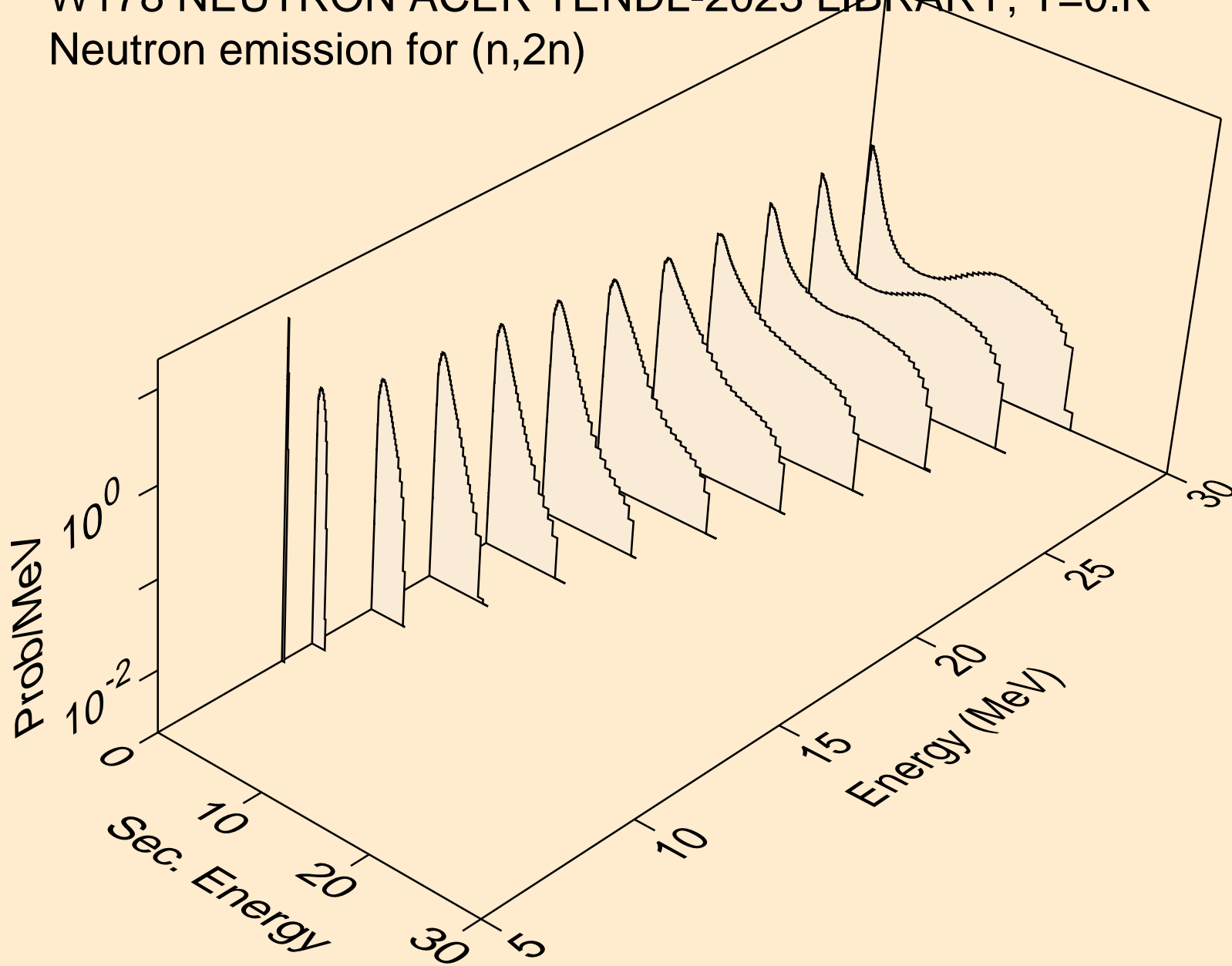


W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2nd)

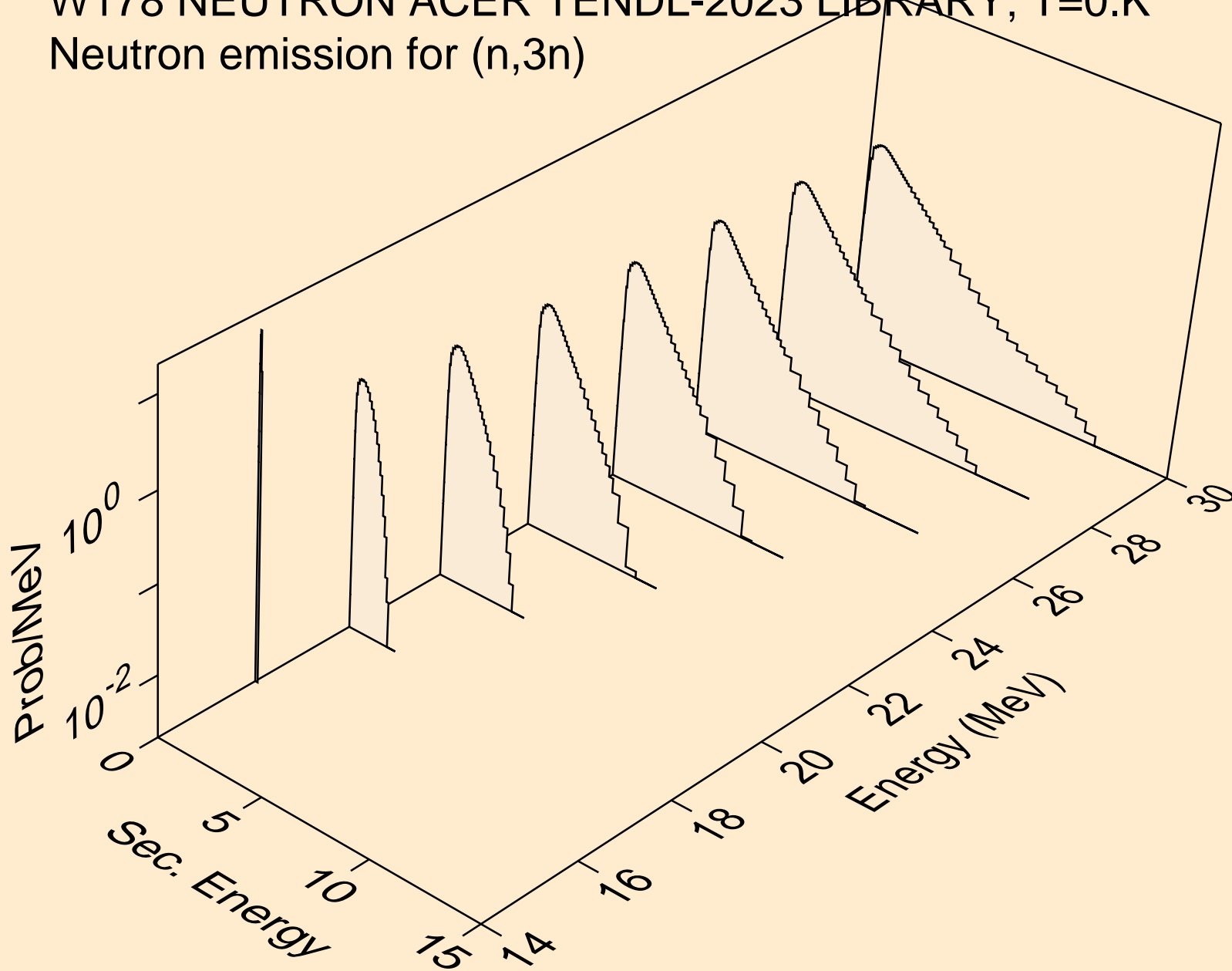




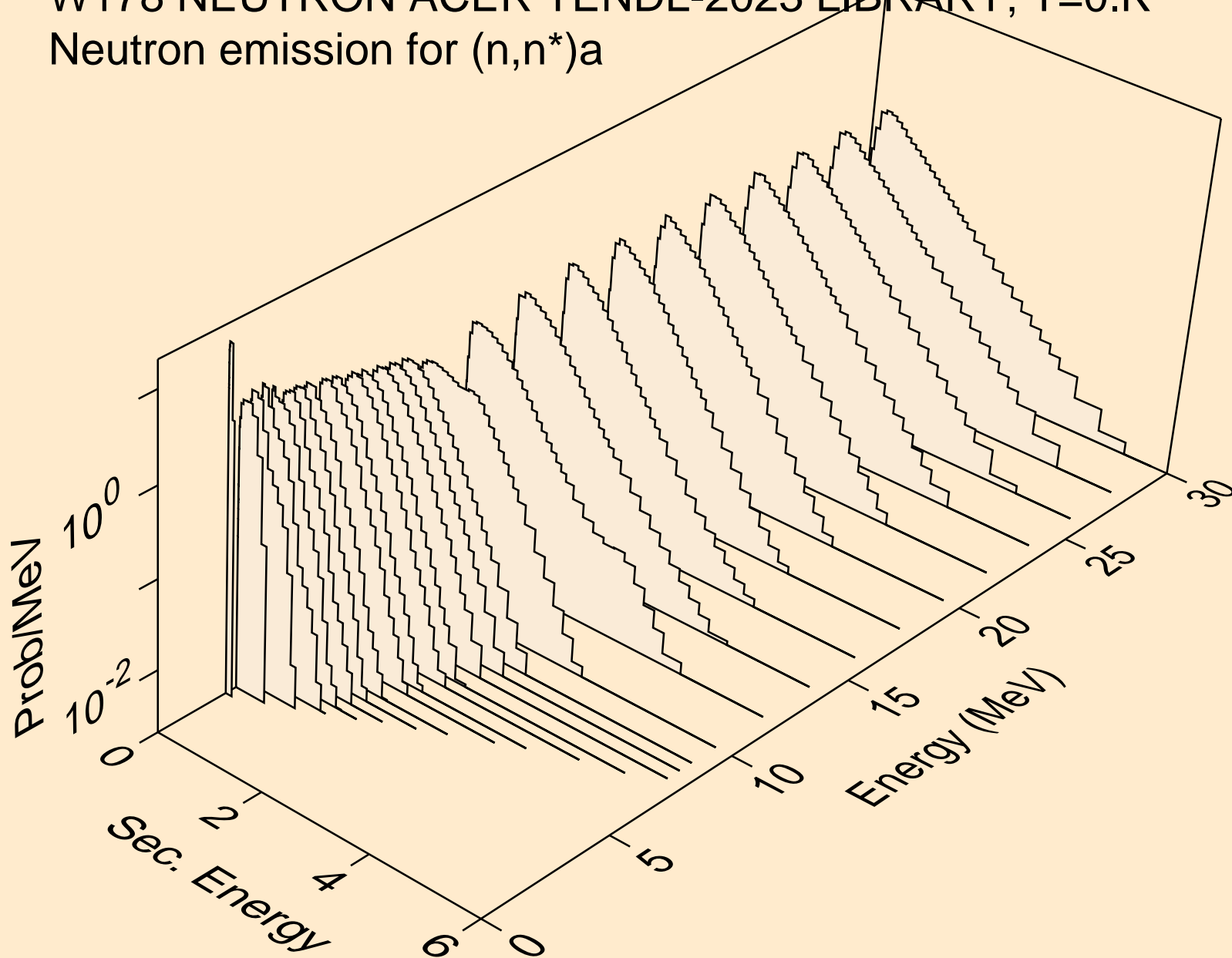
W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)



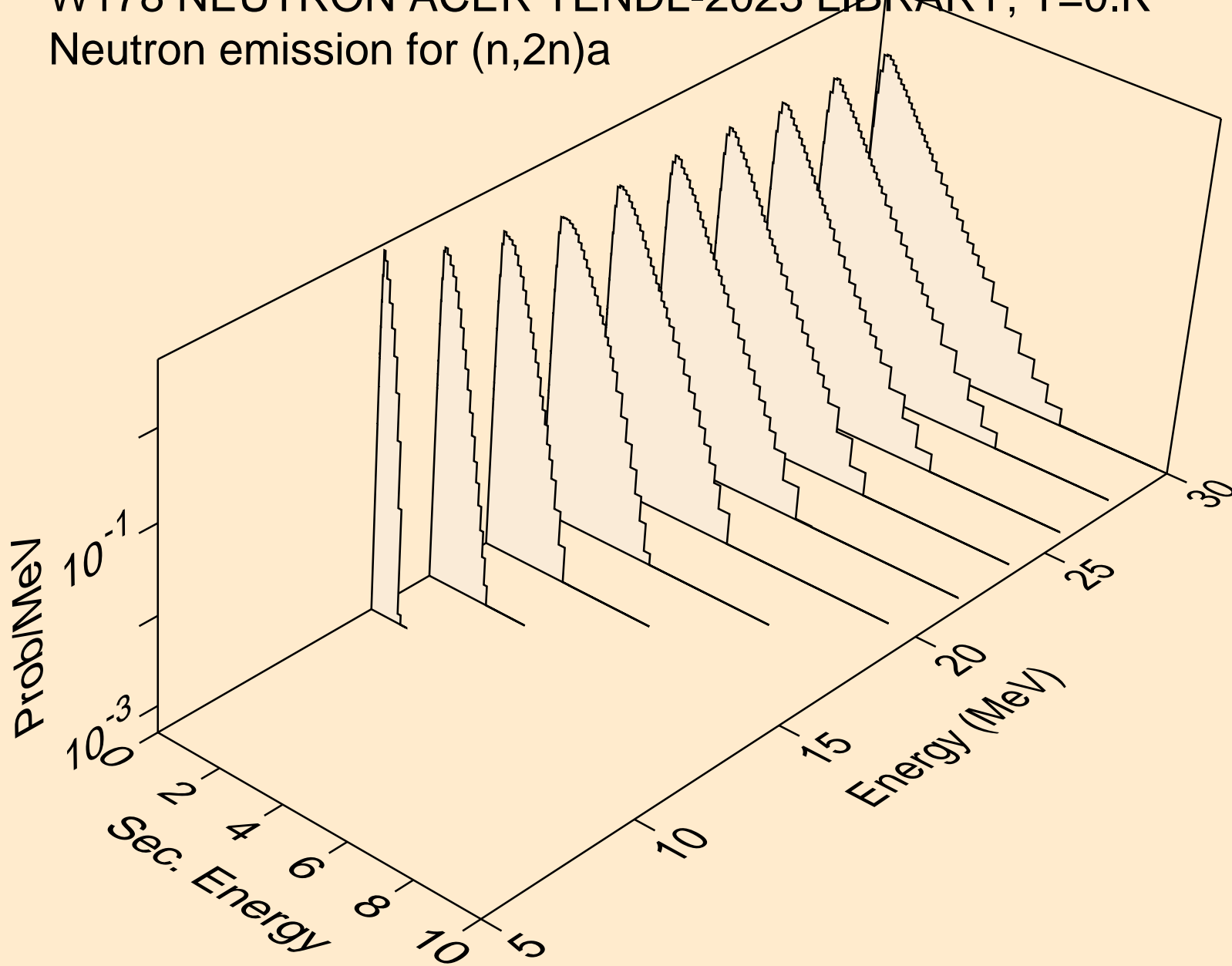
W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)



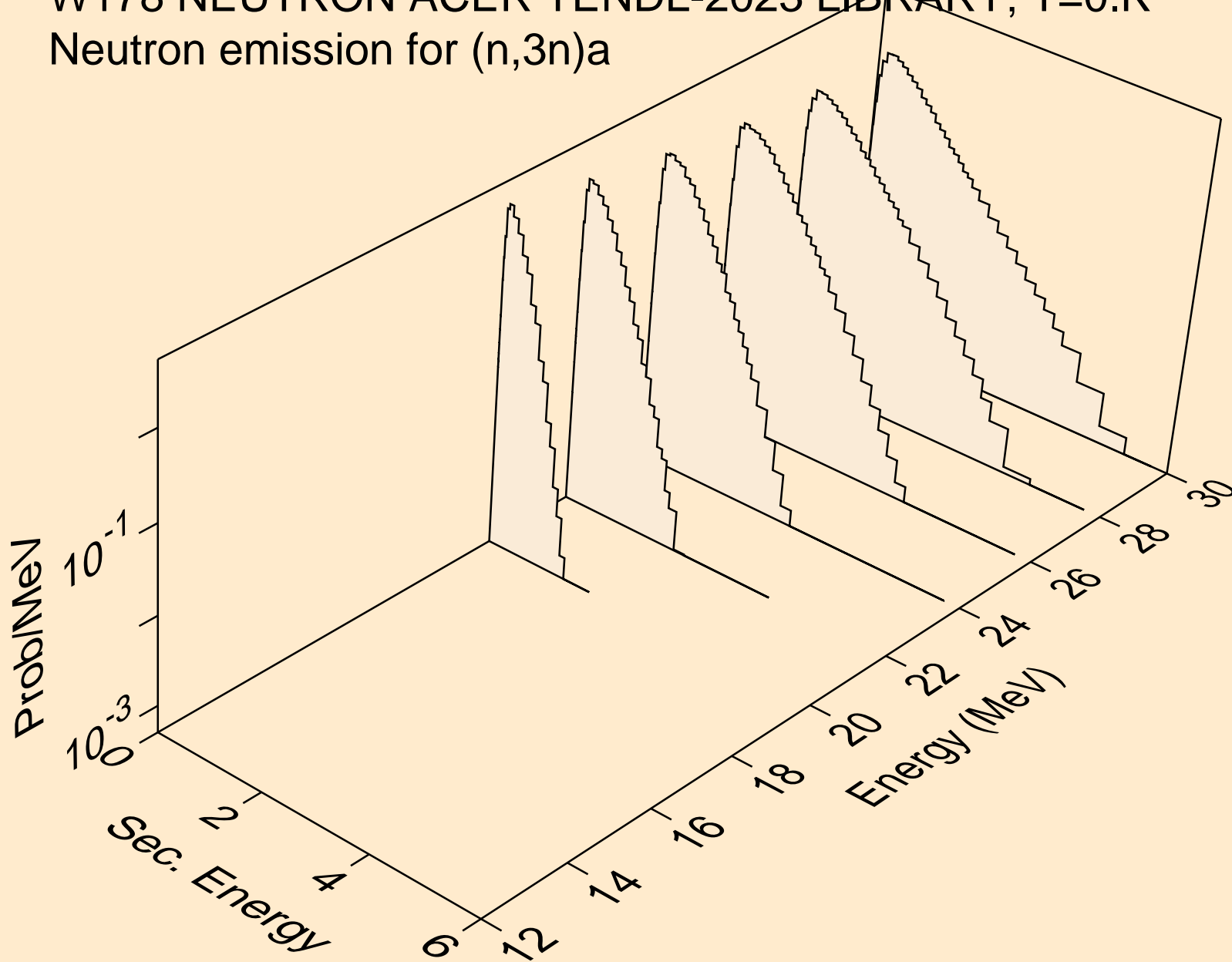
W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



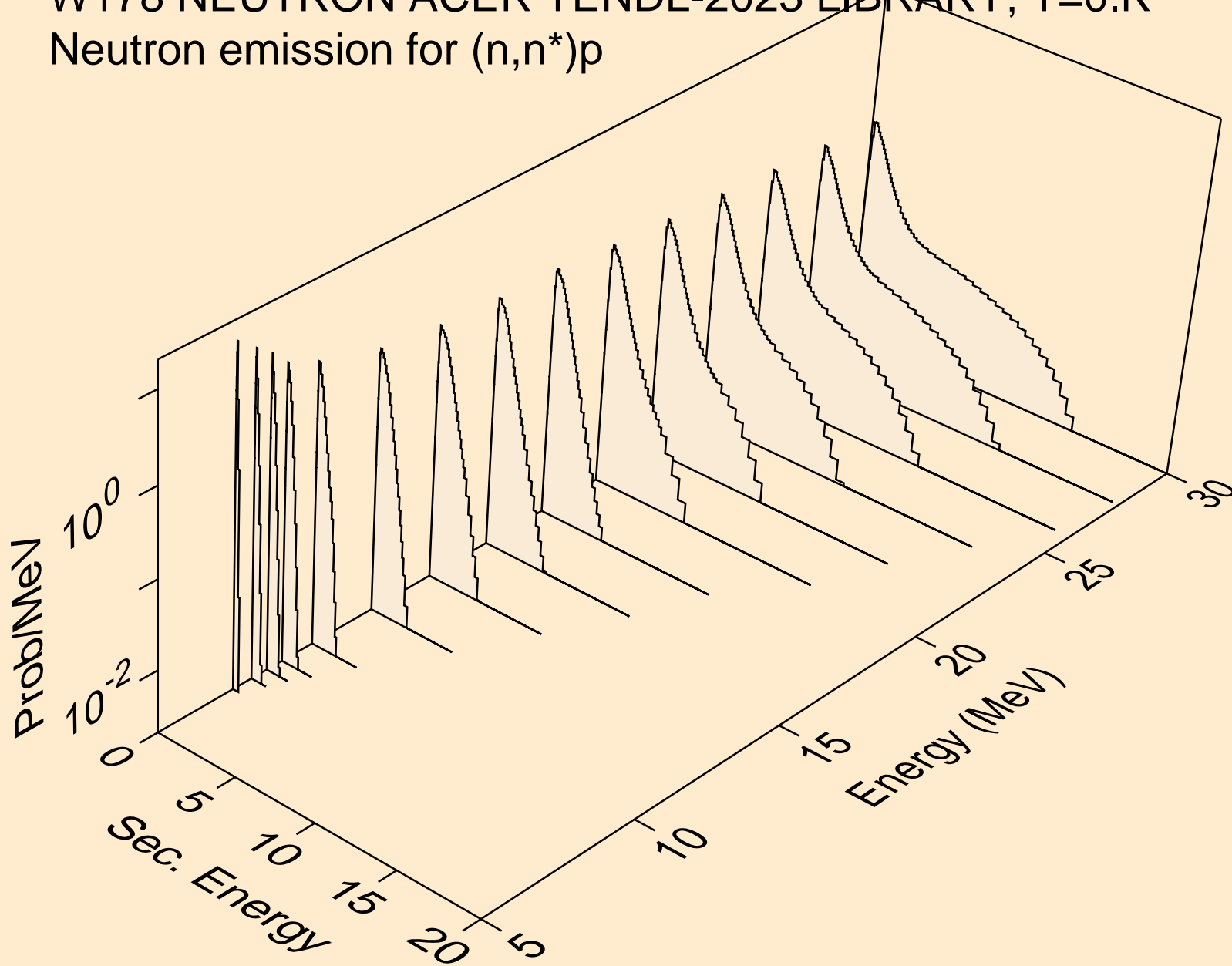
W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)a



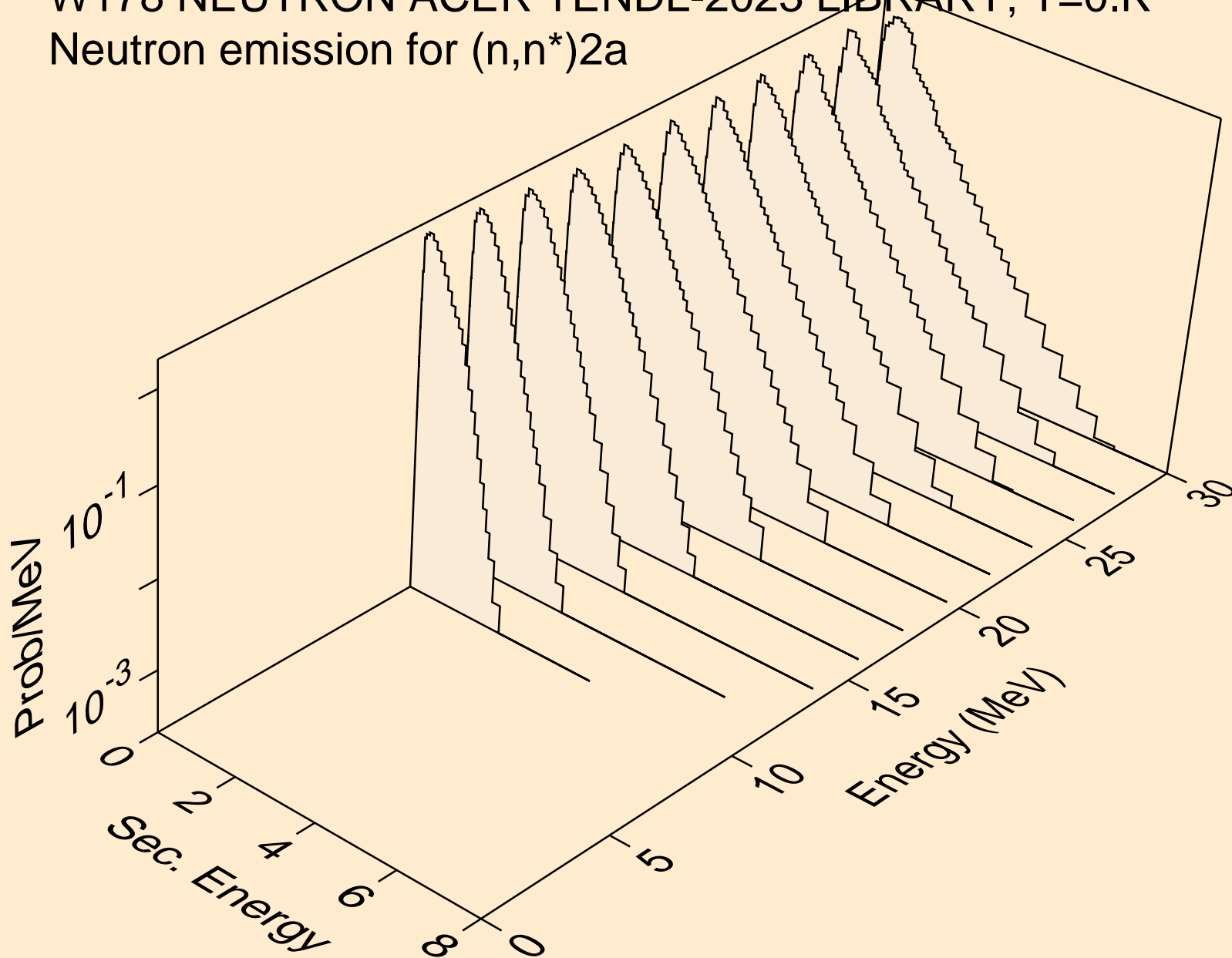
W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)a



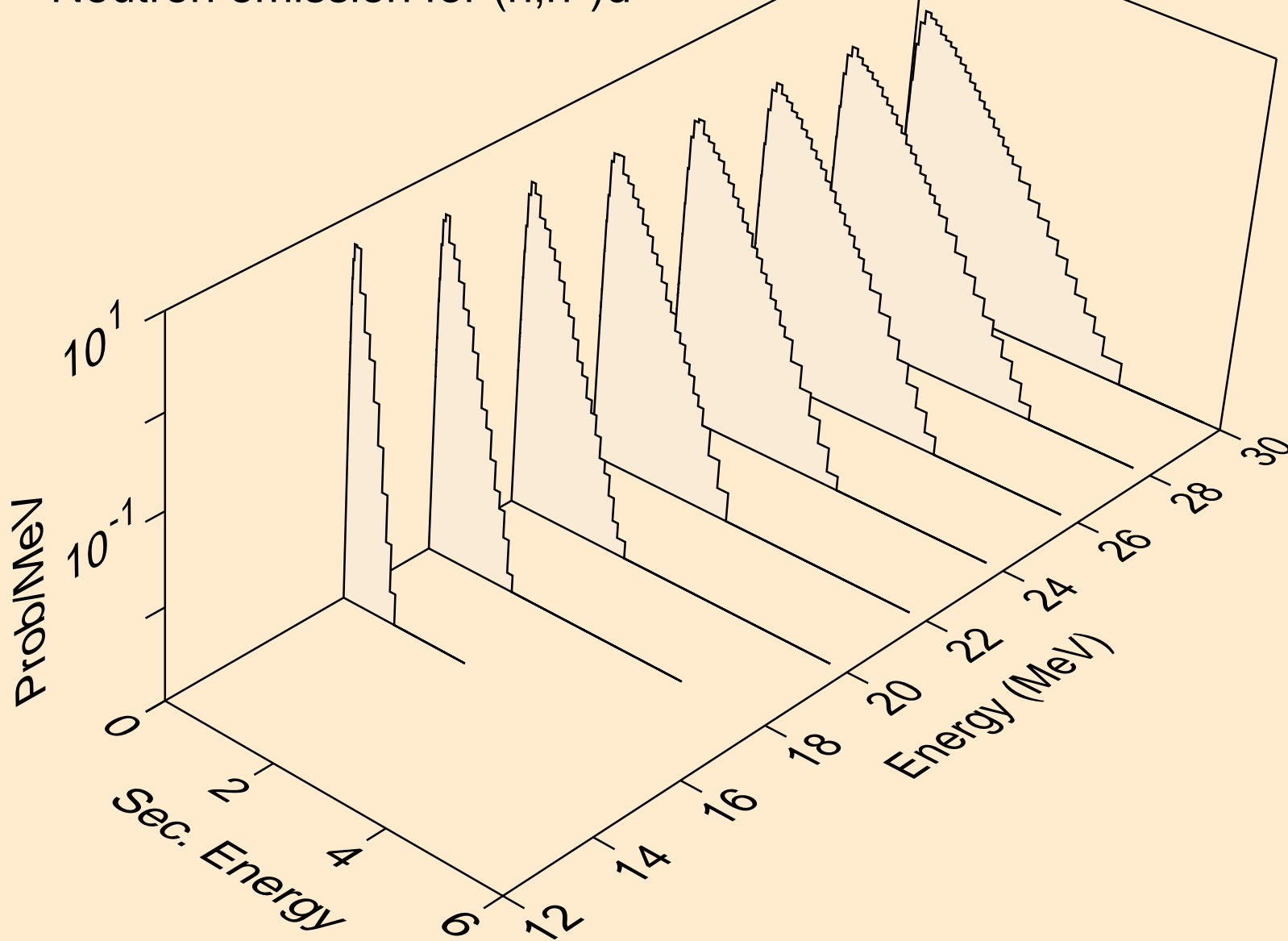
W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)2a

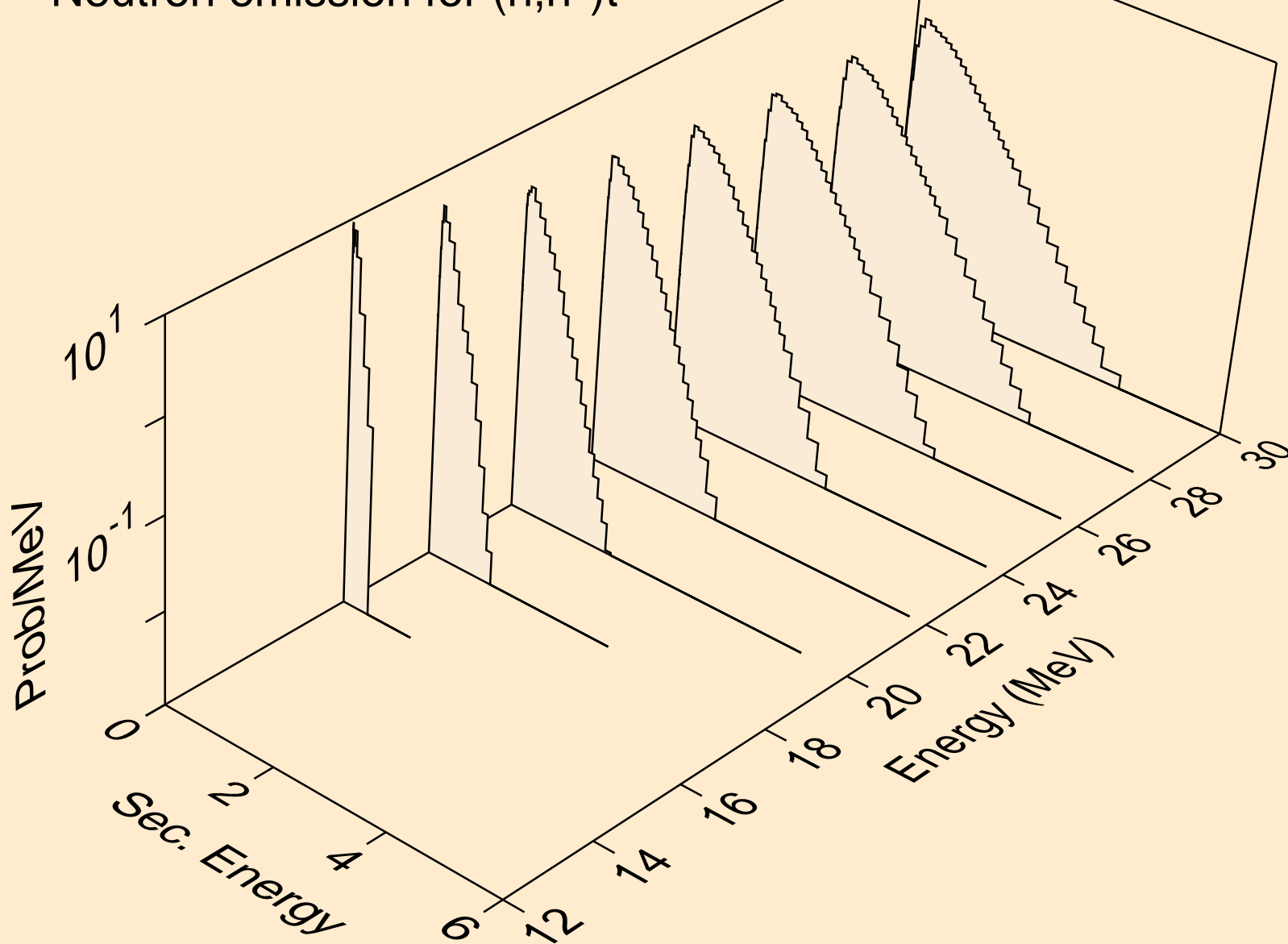


W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d

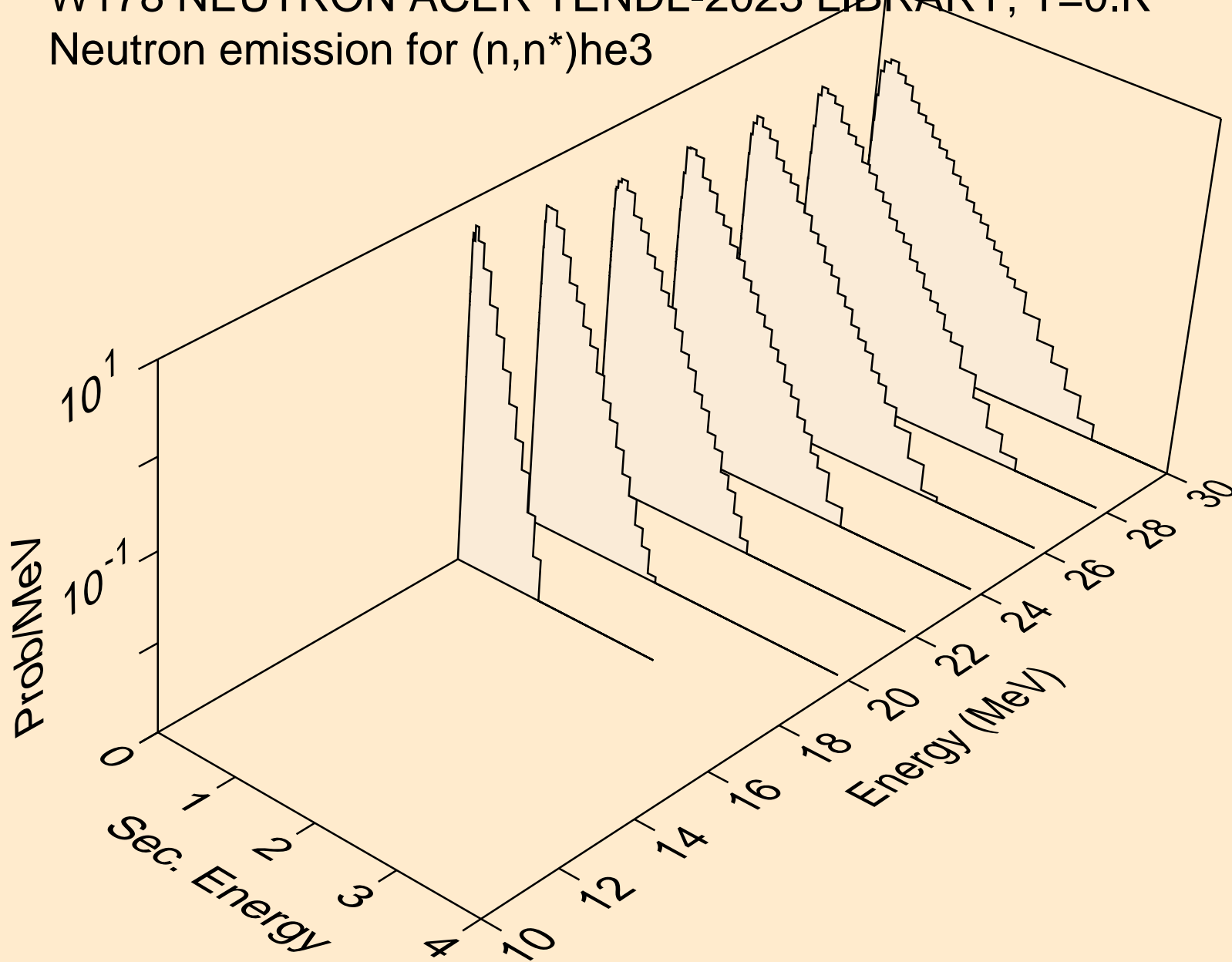




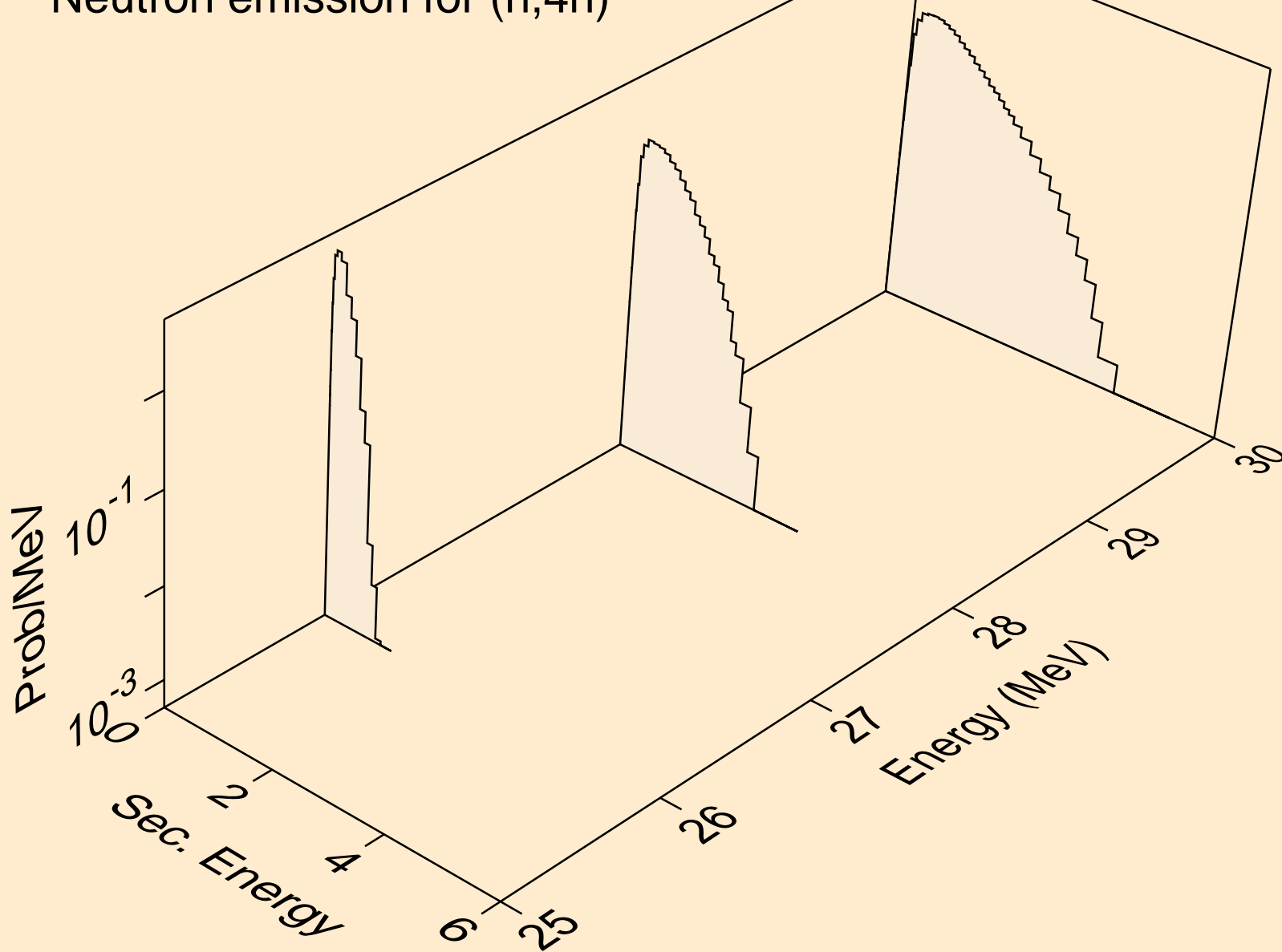
W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



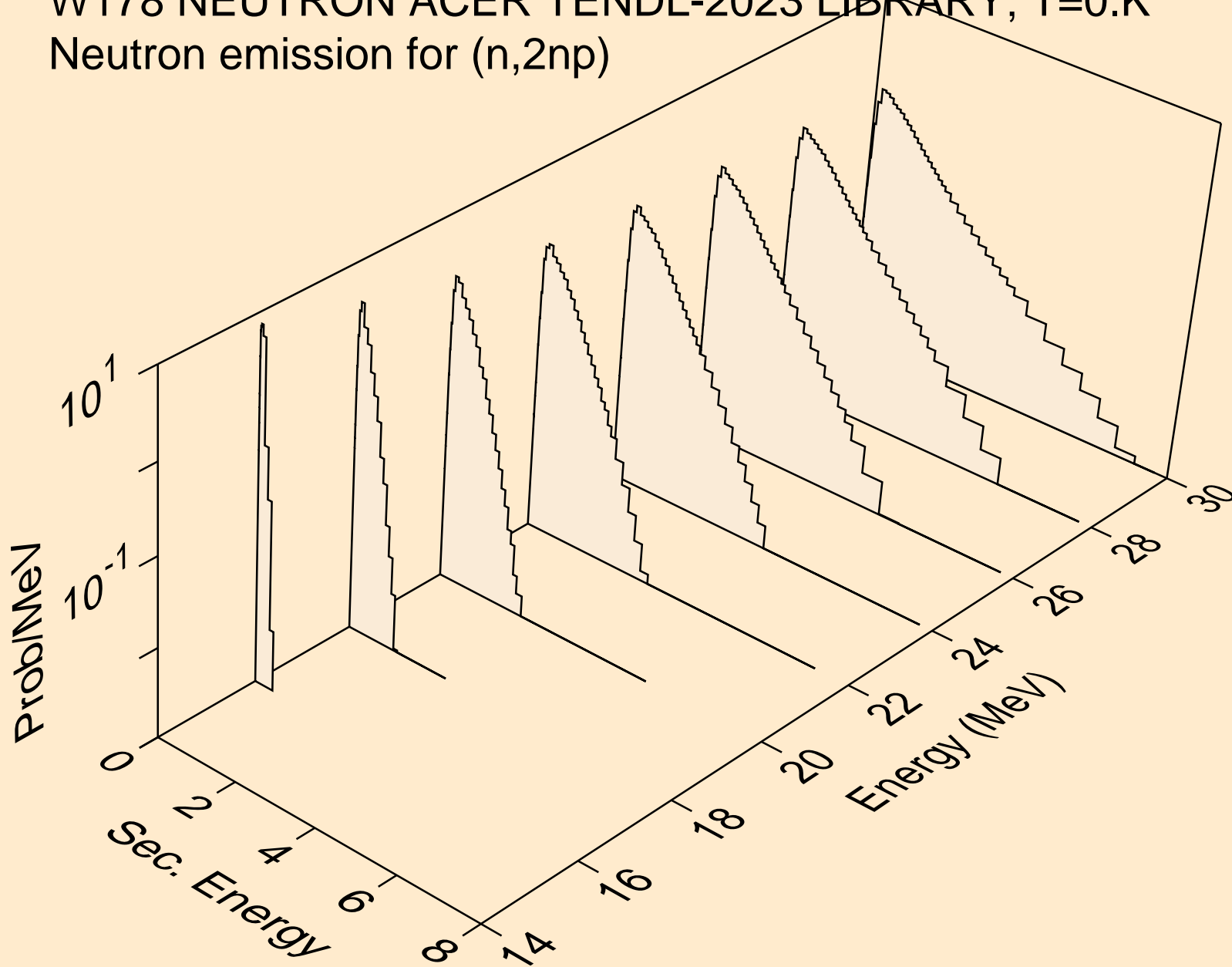
W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



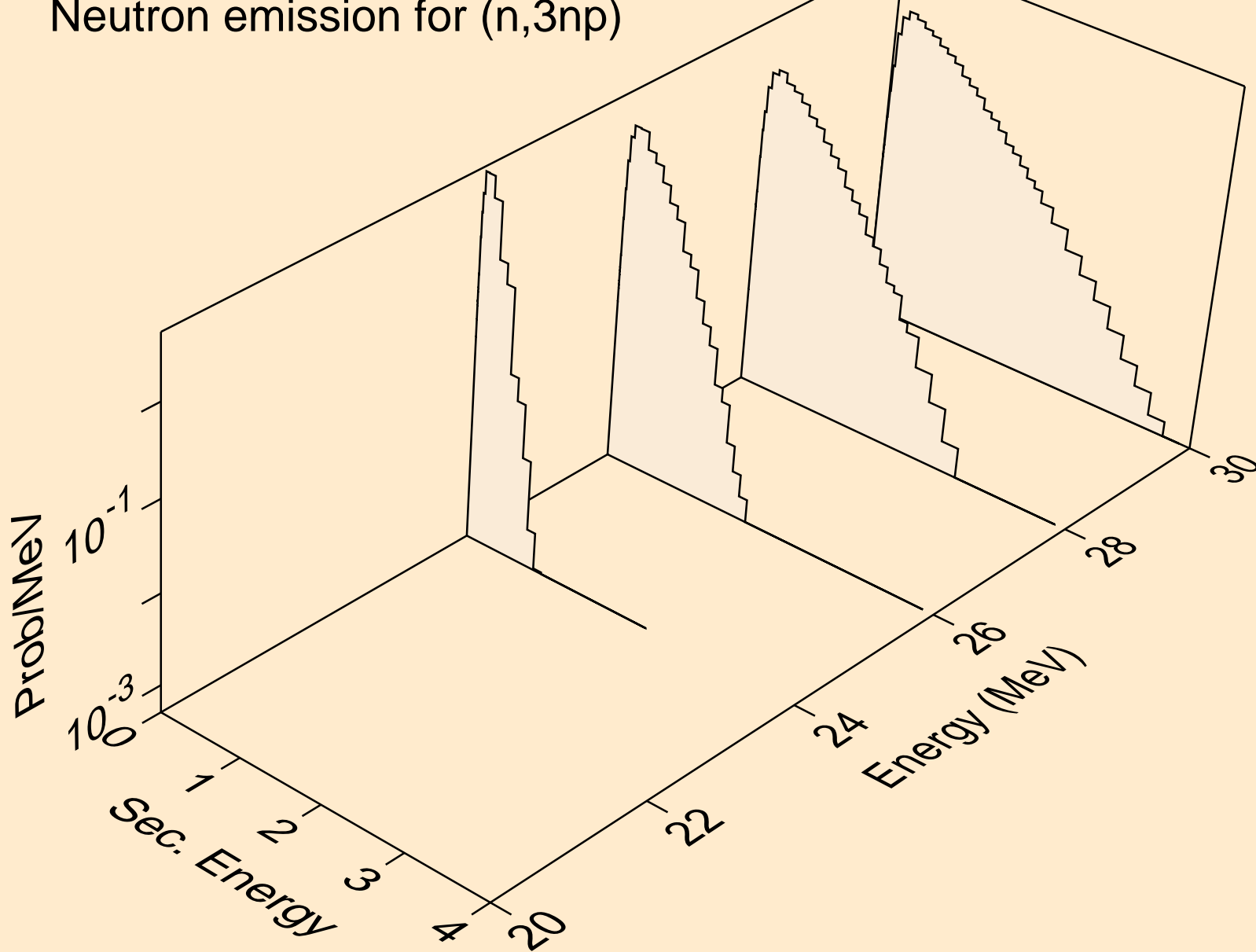
W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,4n)



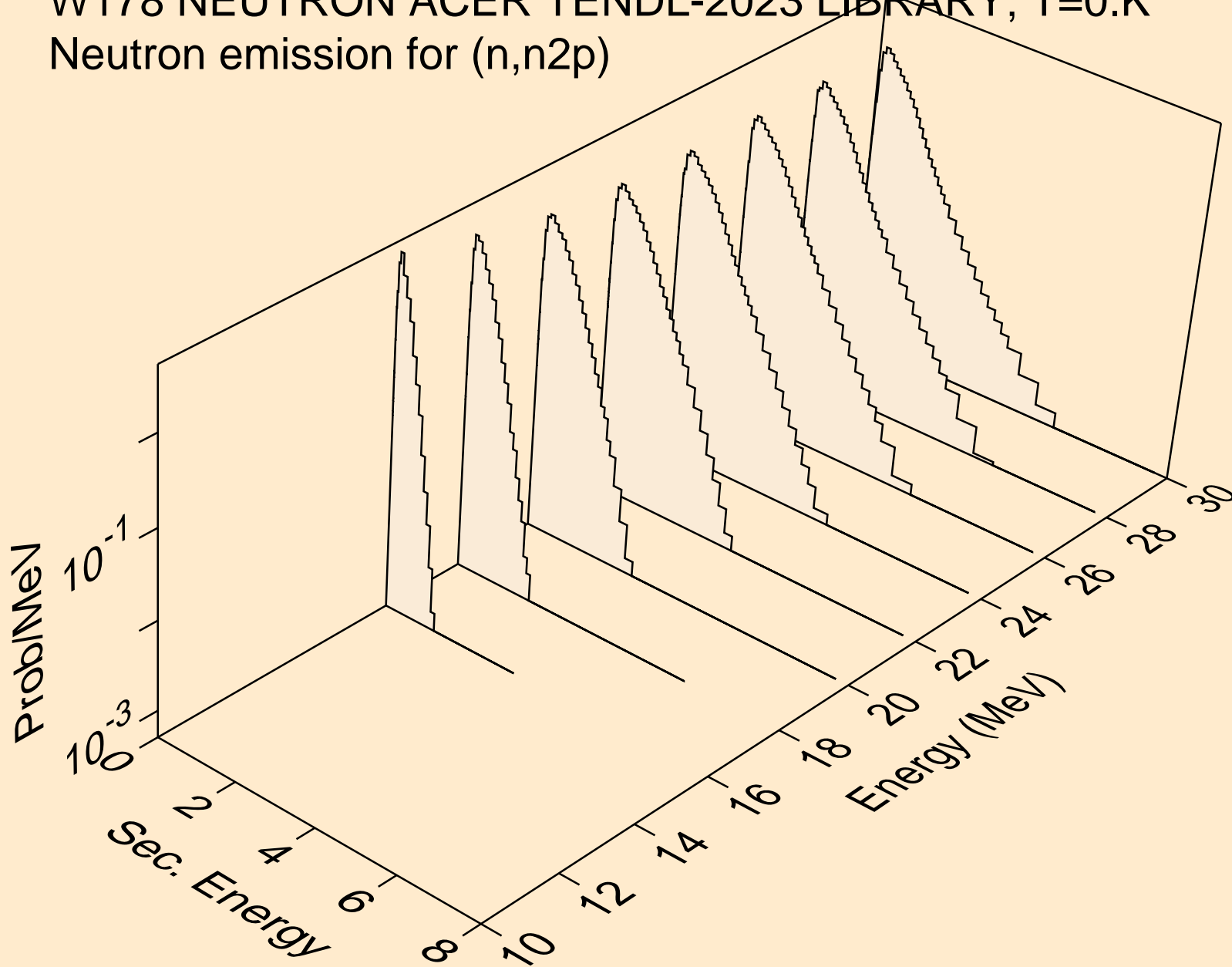
W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2np)



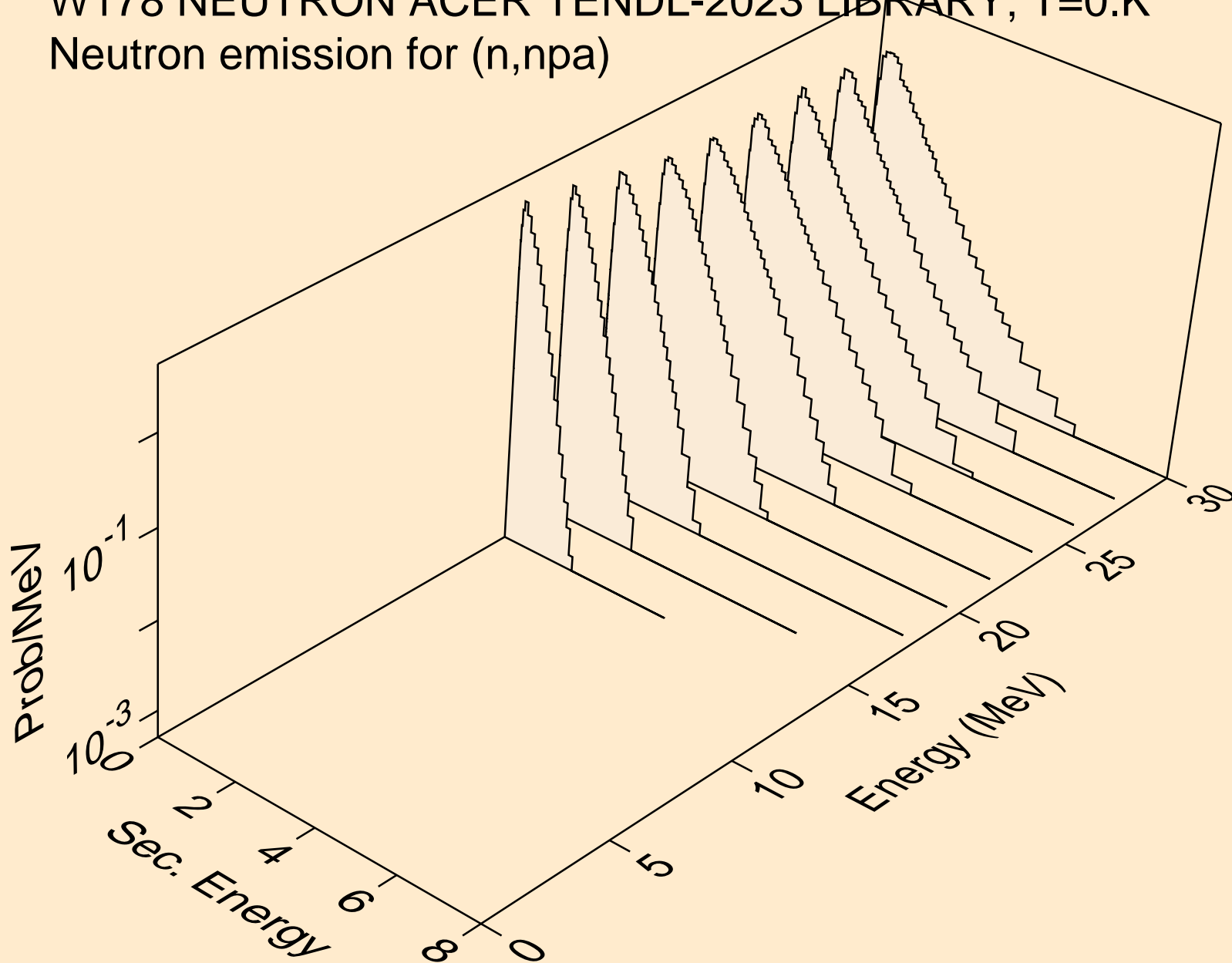
W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3np)



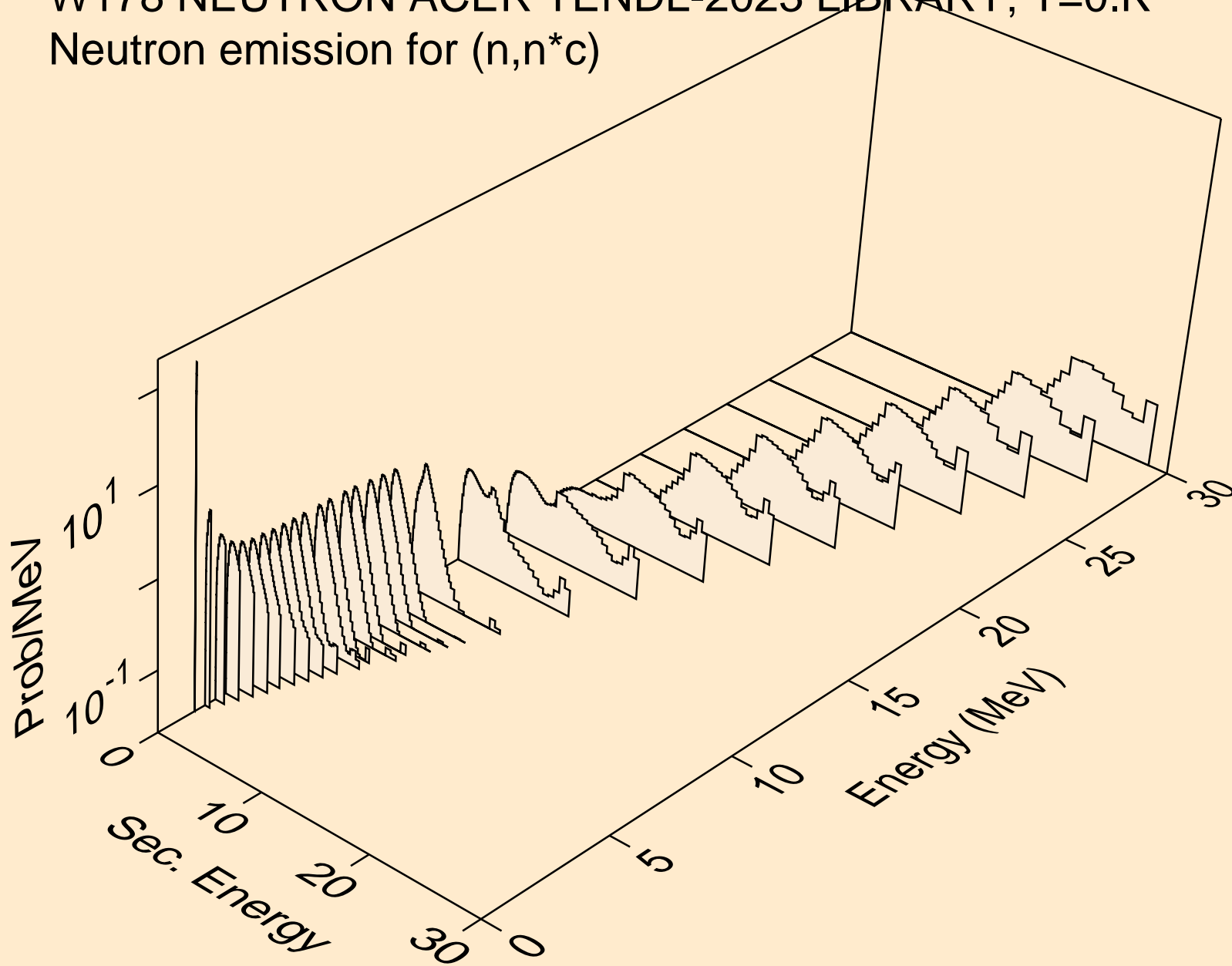
W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n2p)



W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,npa)

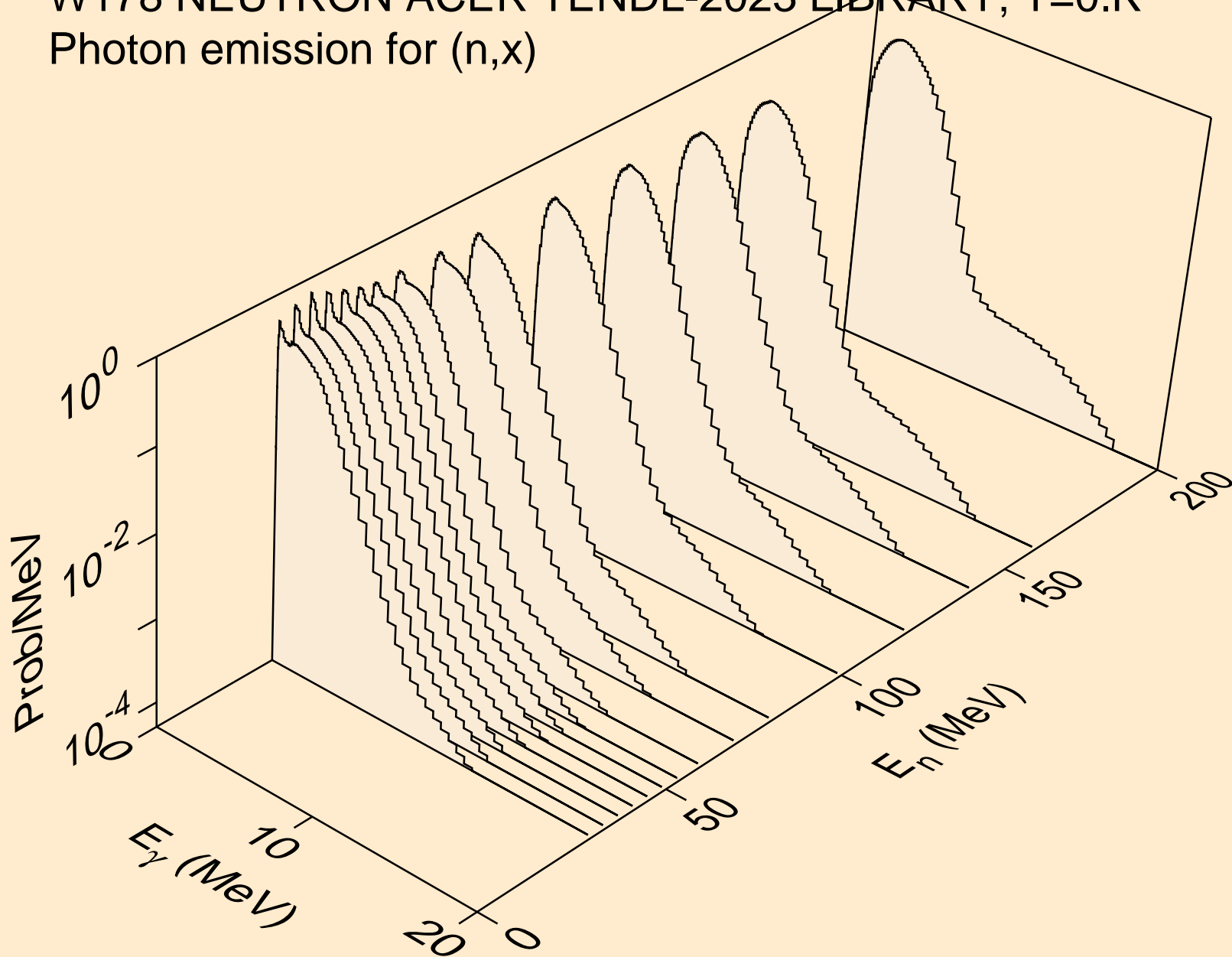


W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)

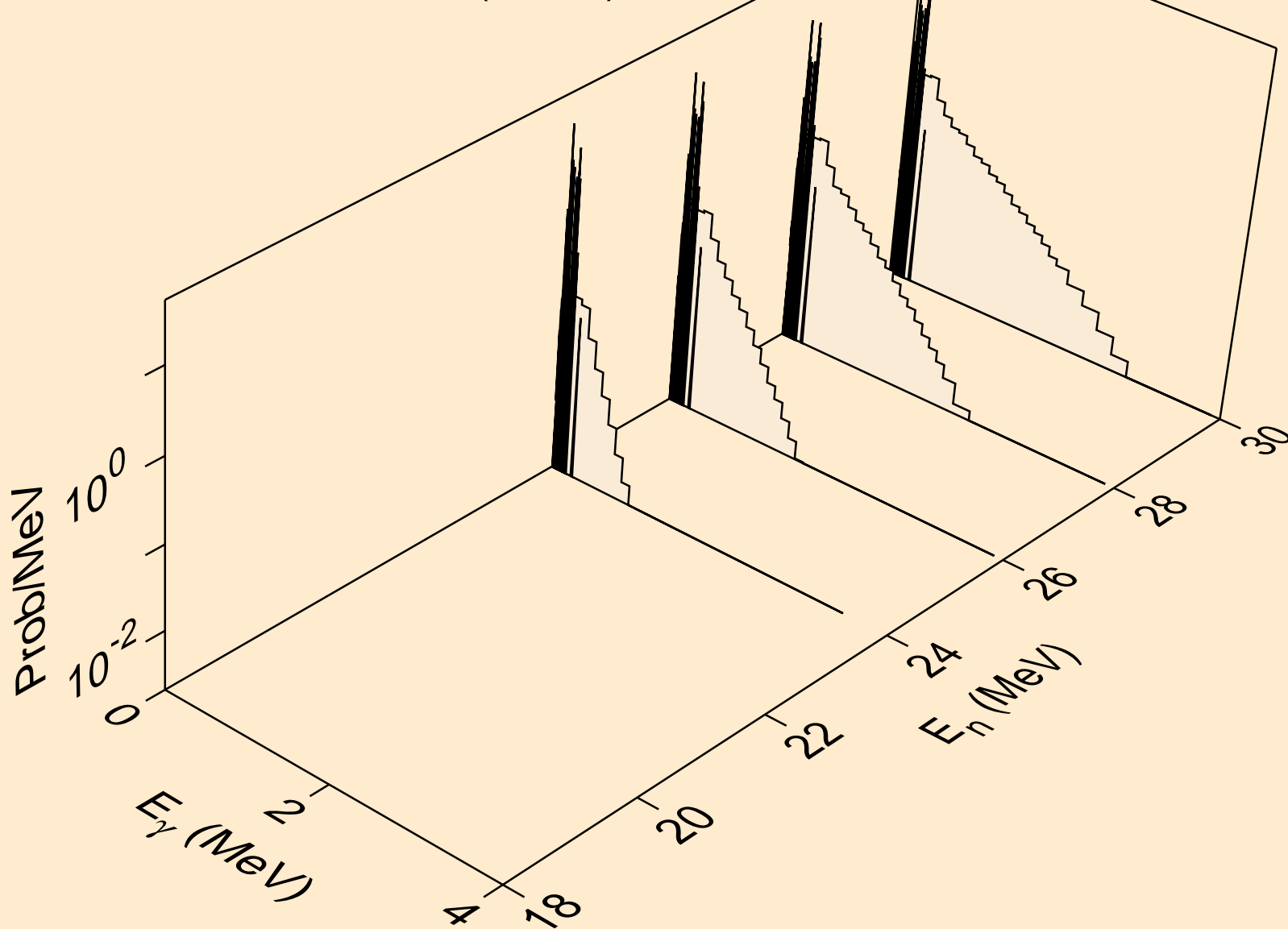




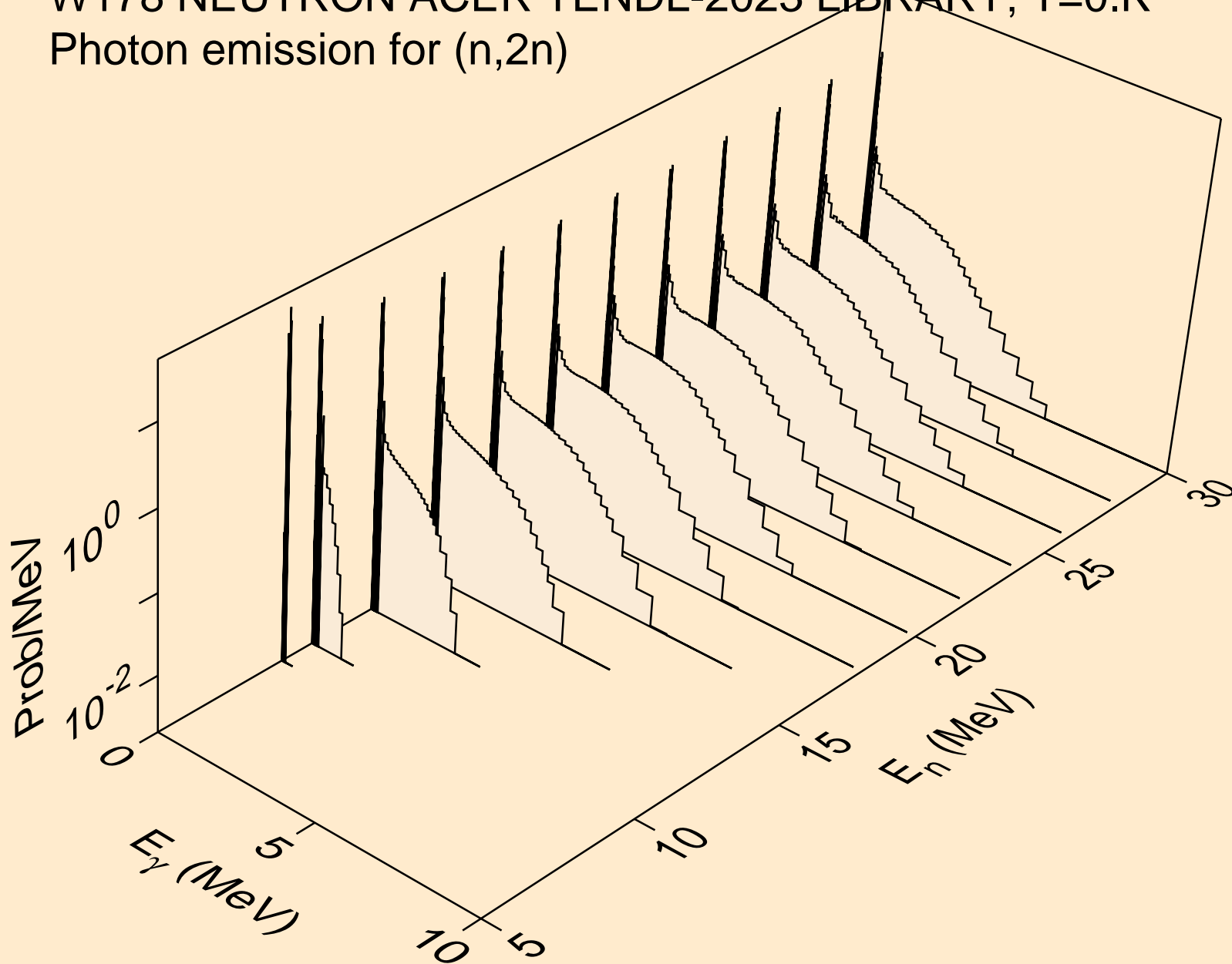
W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,x)



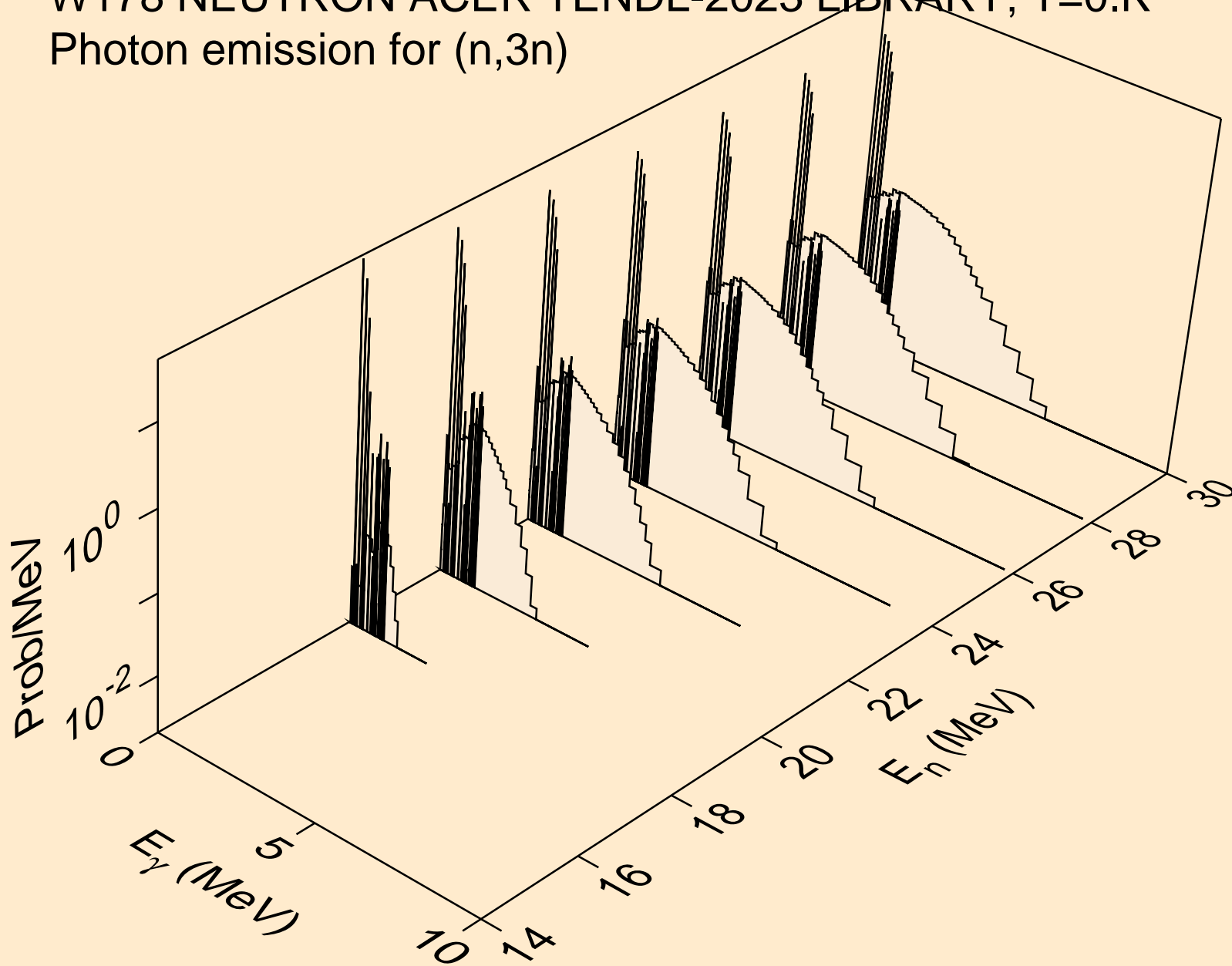
W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



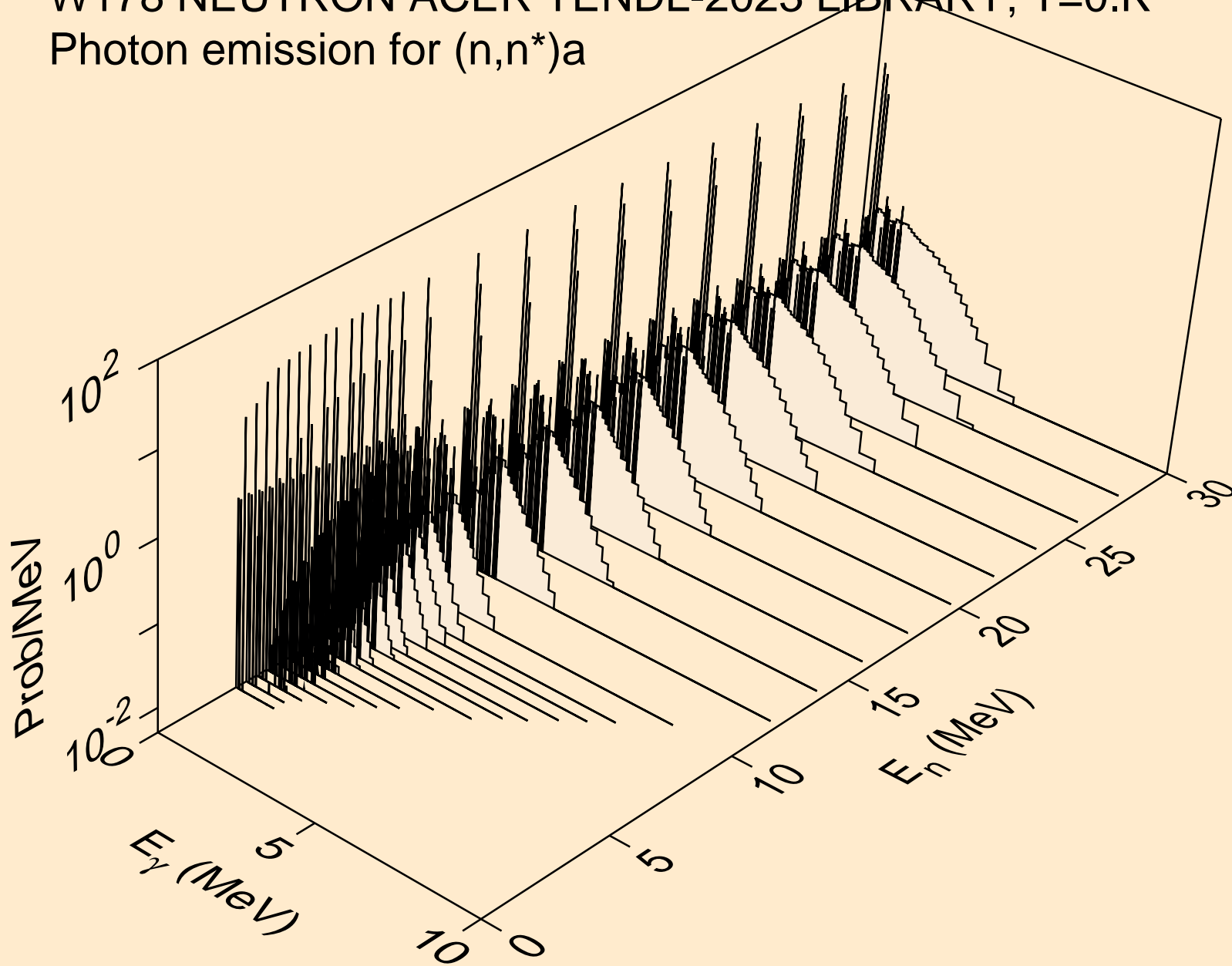
W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



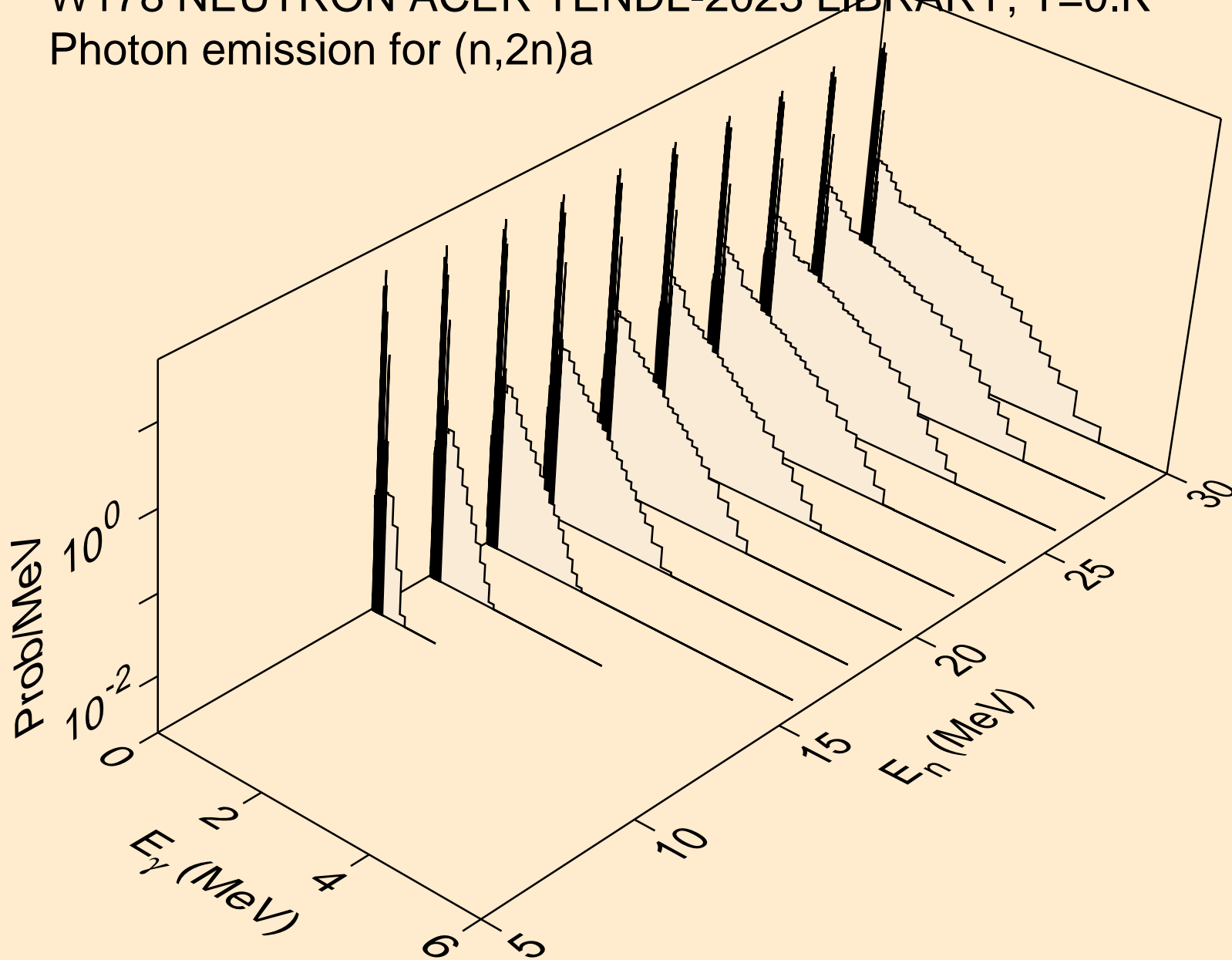
W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



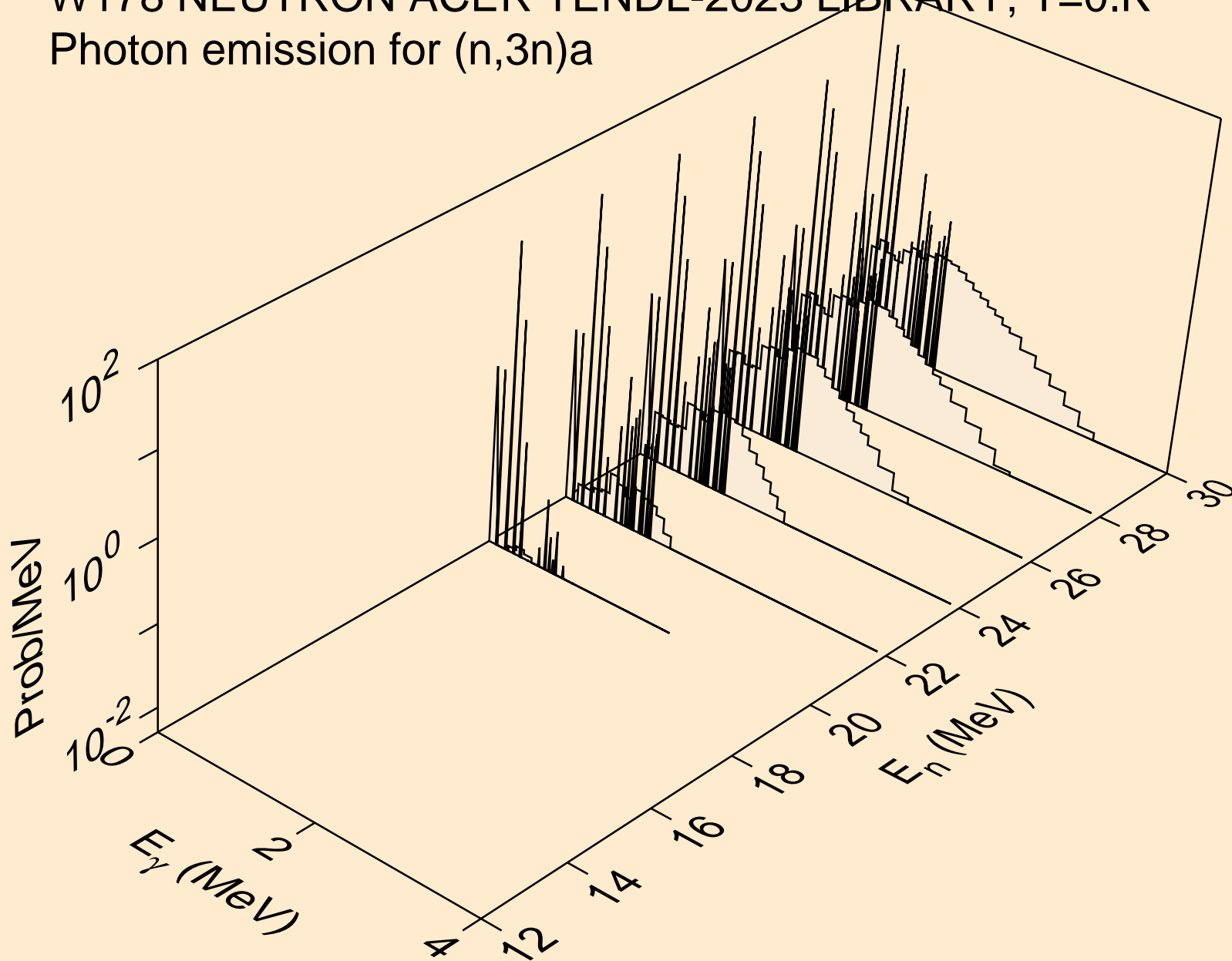
W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



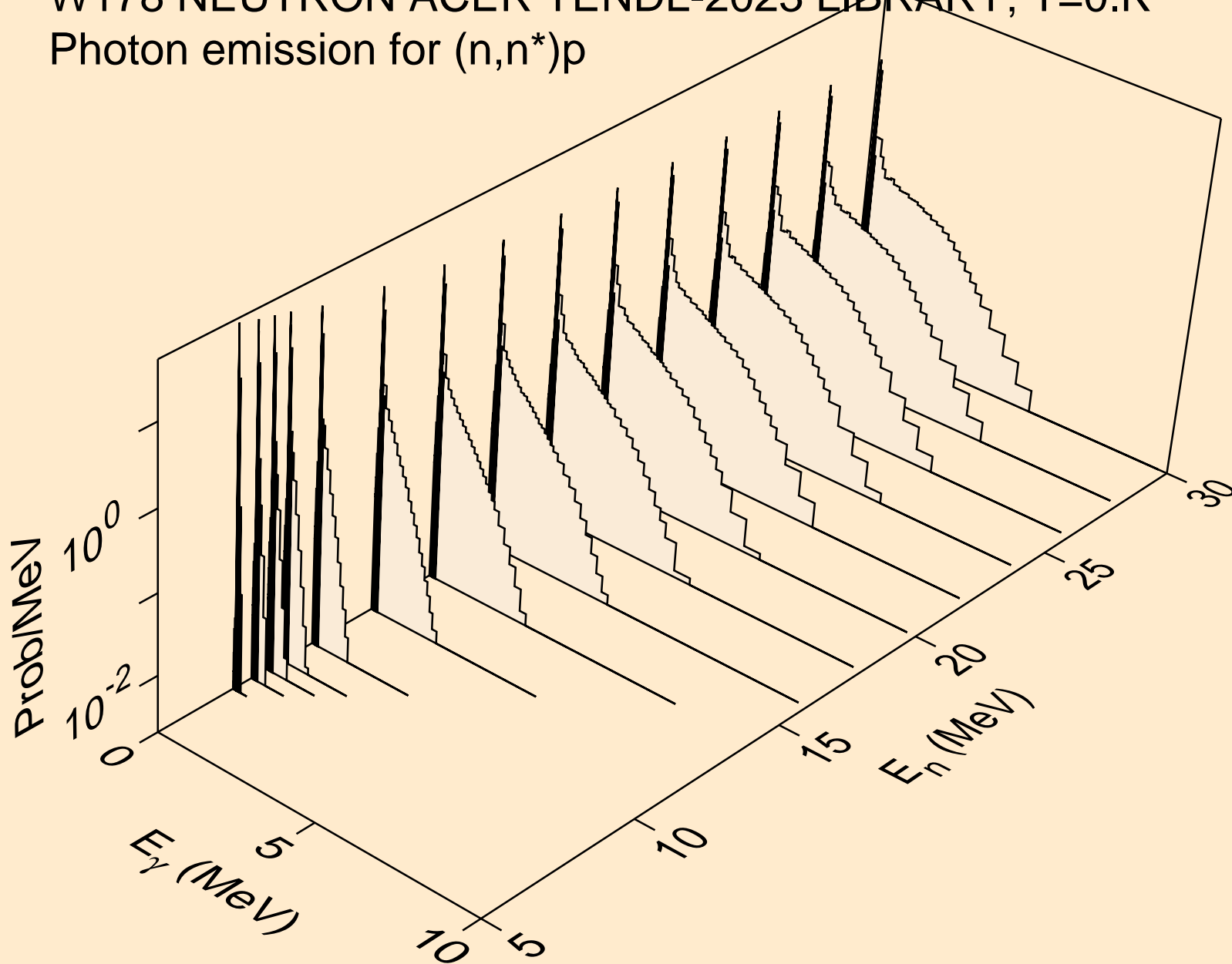
W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a



W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)a

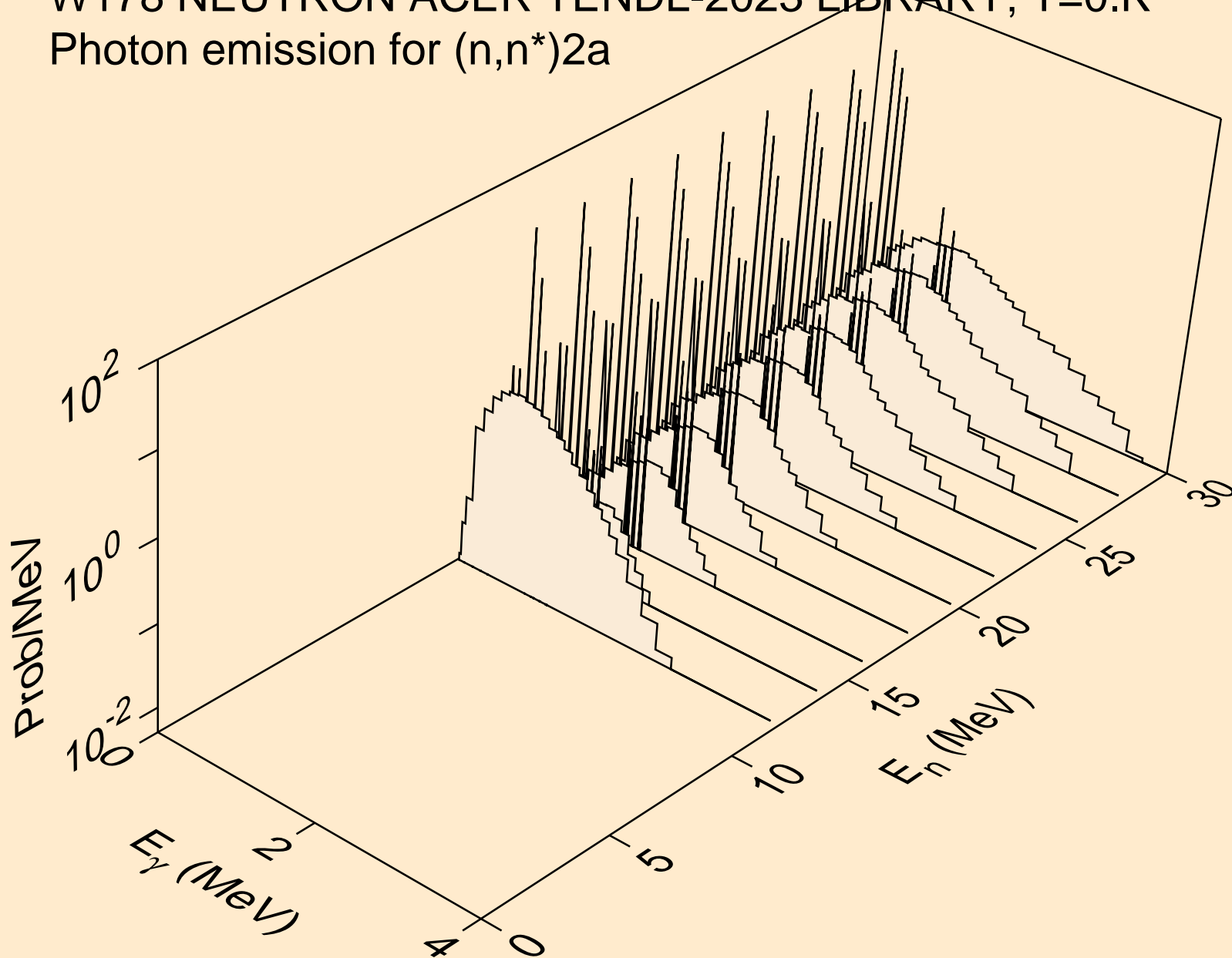


W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p

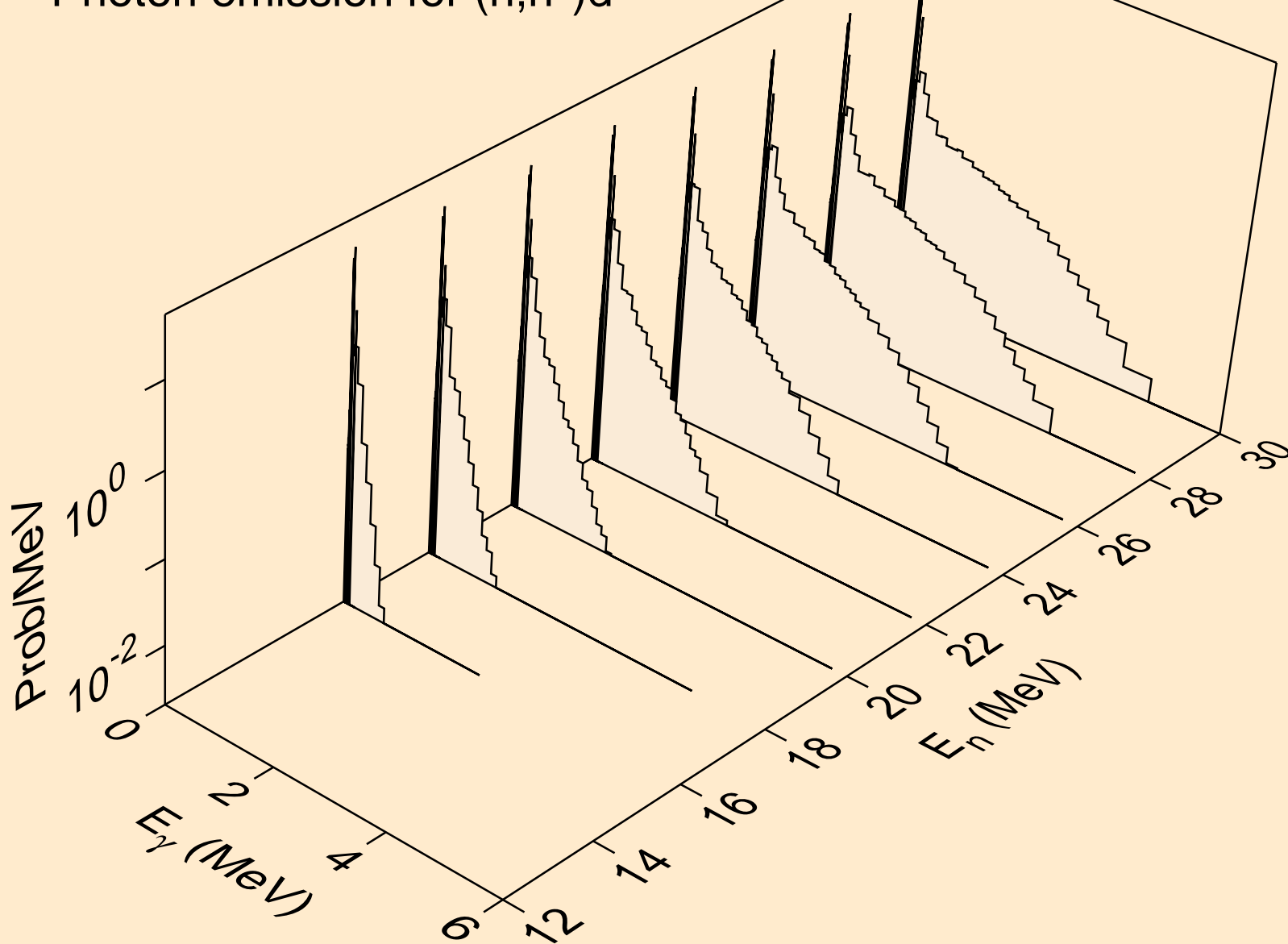




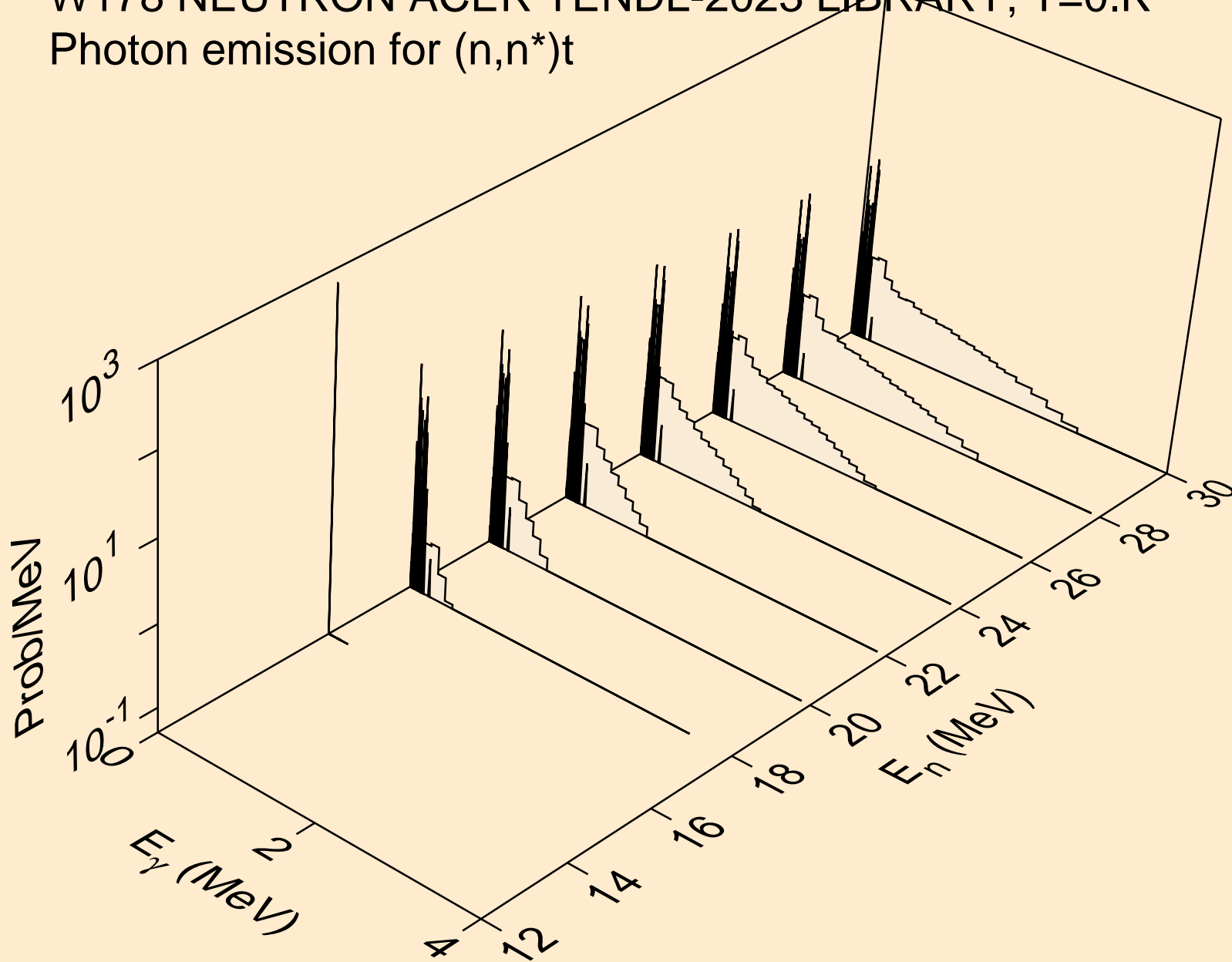
W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



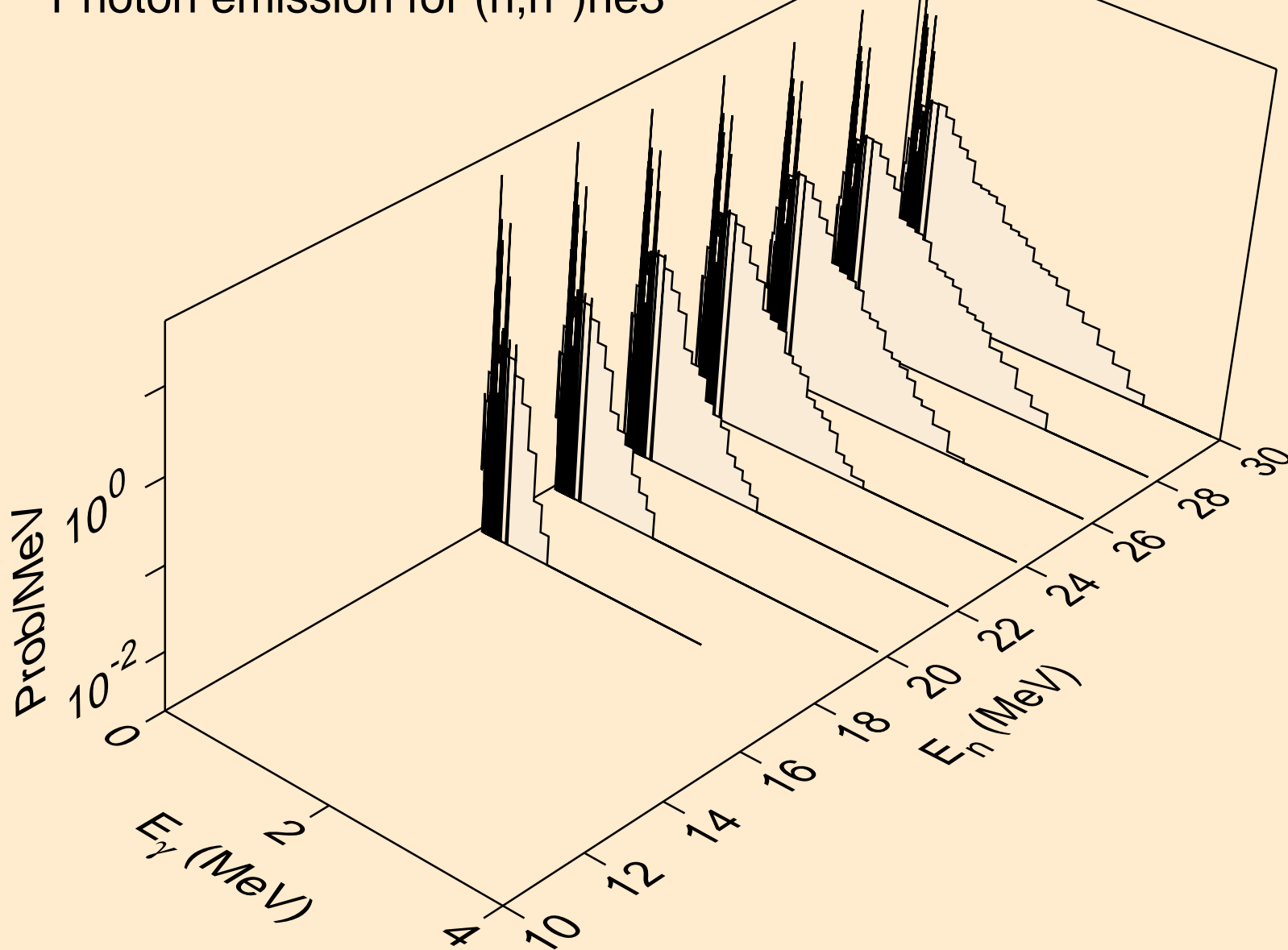
W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



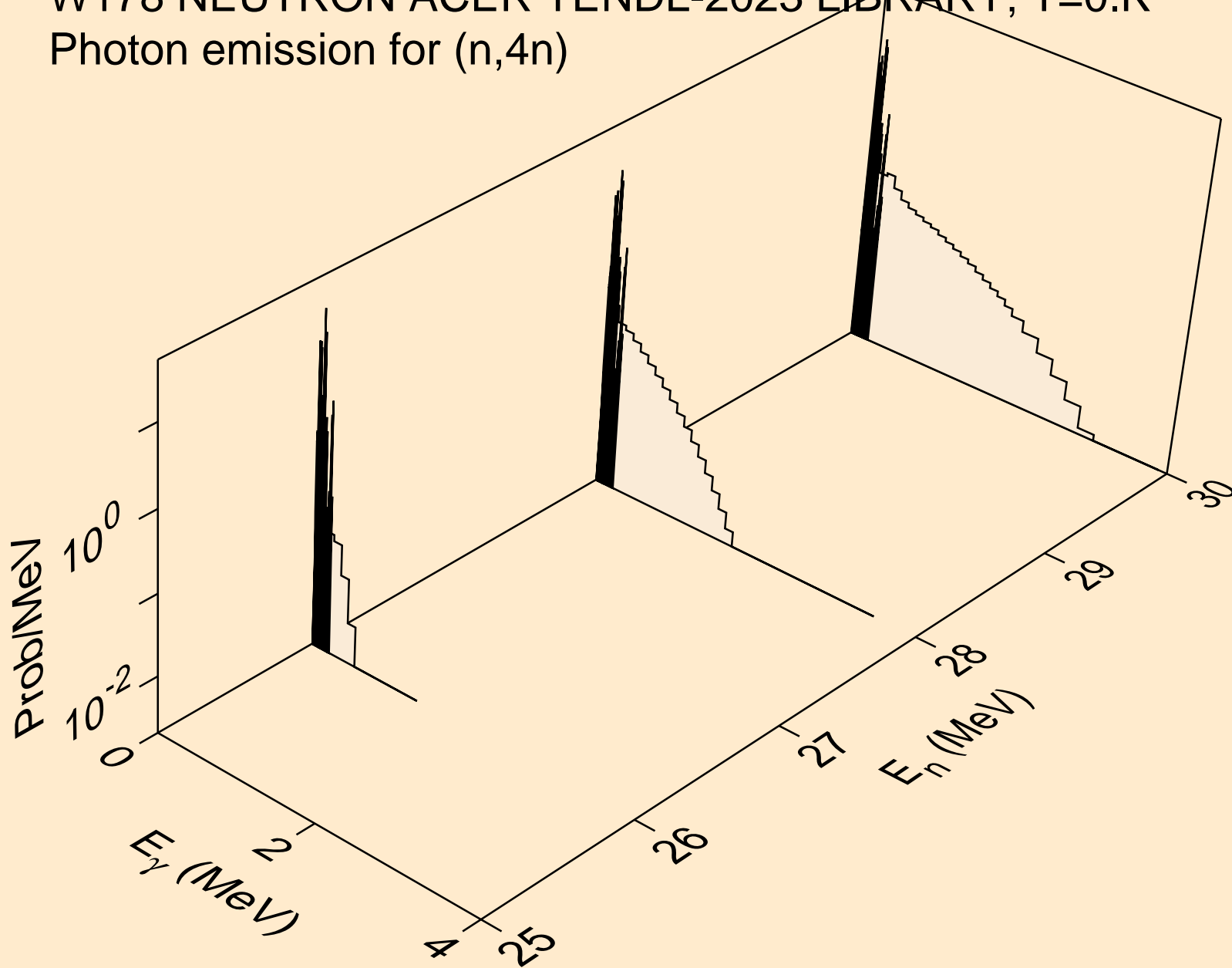
W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



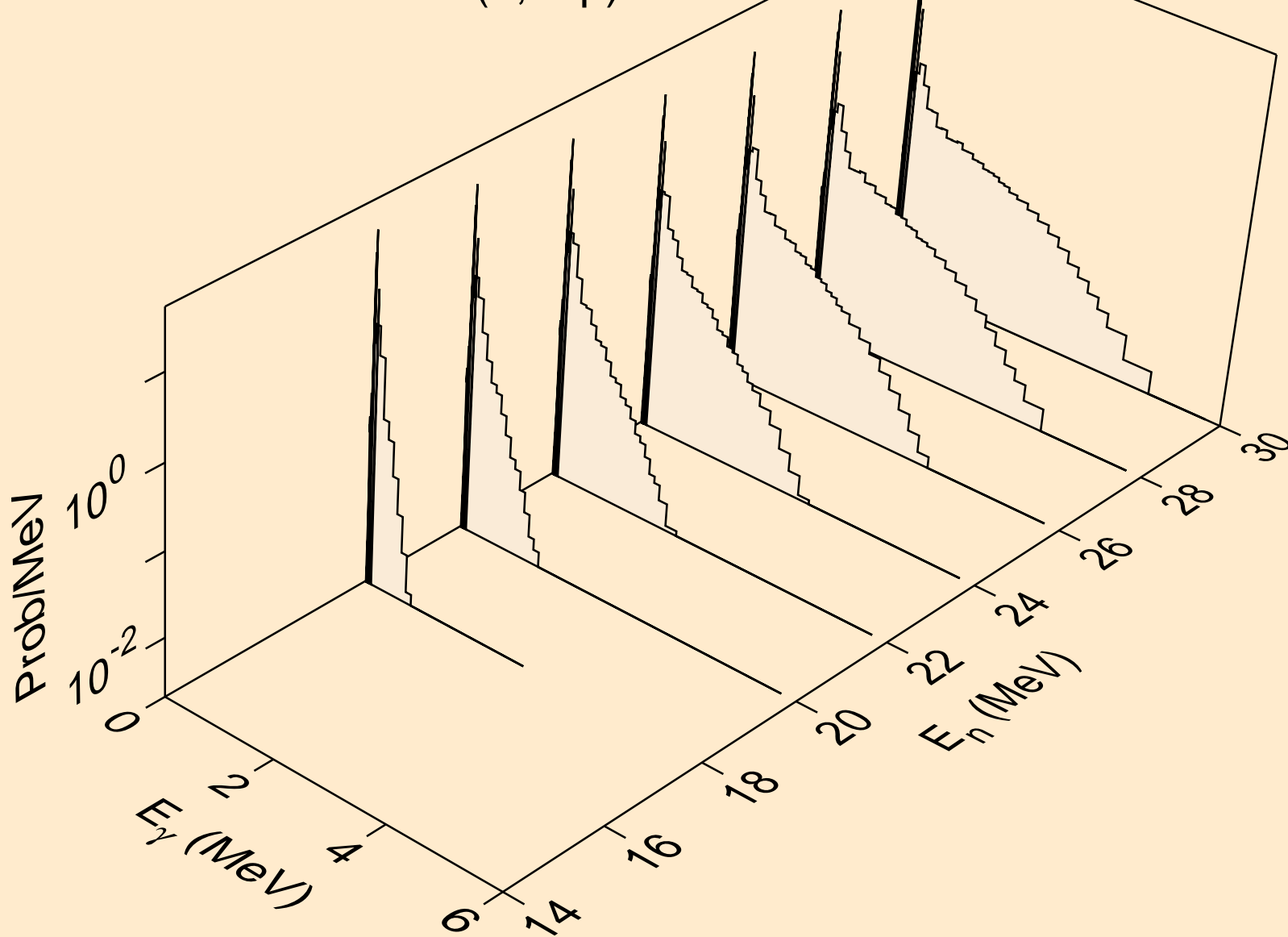
W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



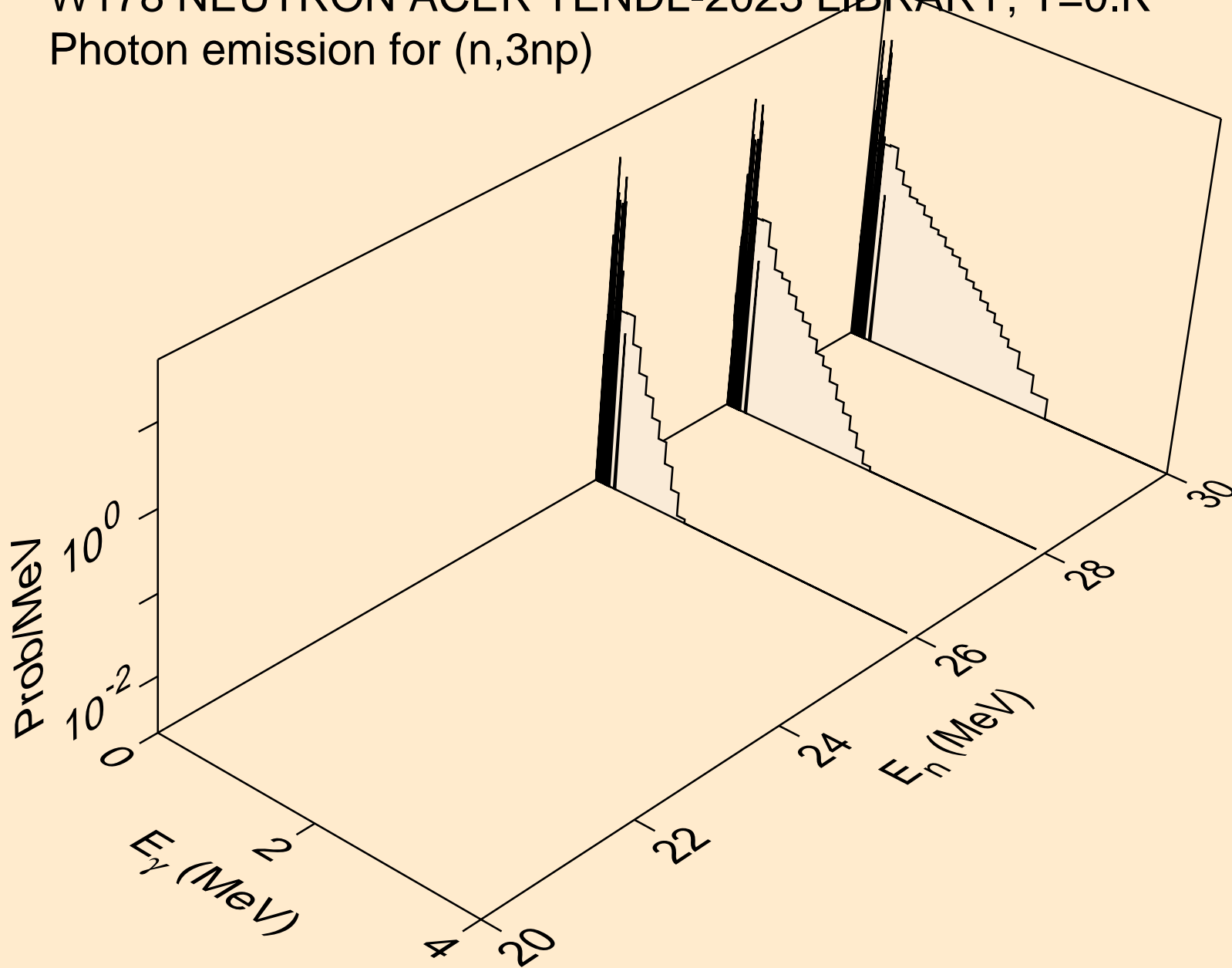
W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,4n)



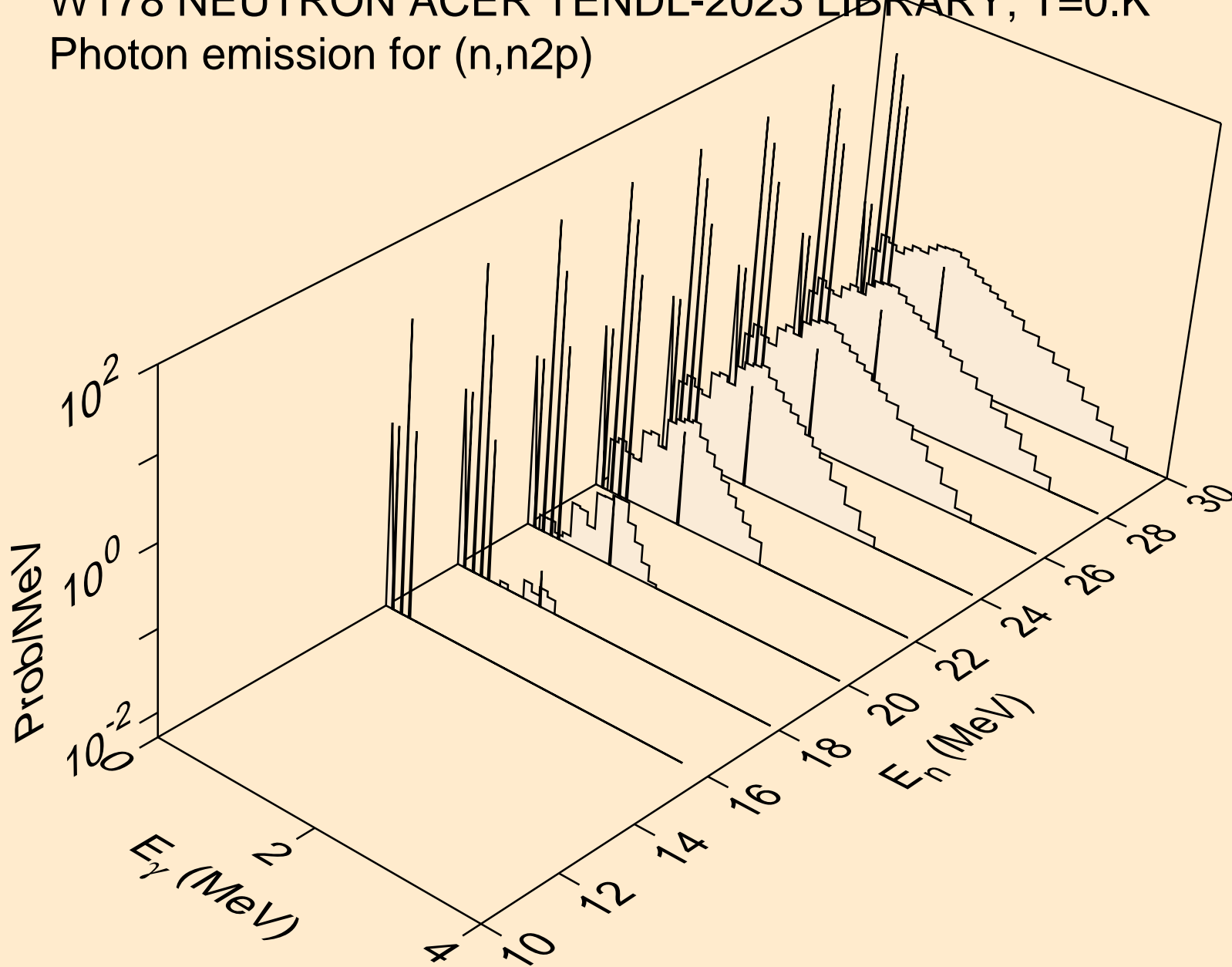
W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)



W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3np)

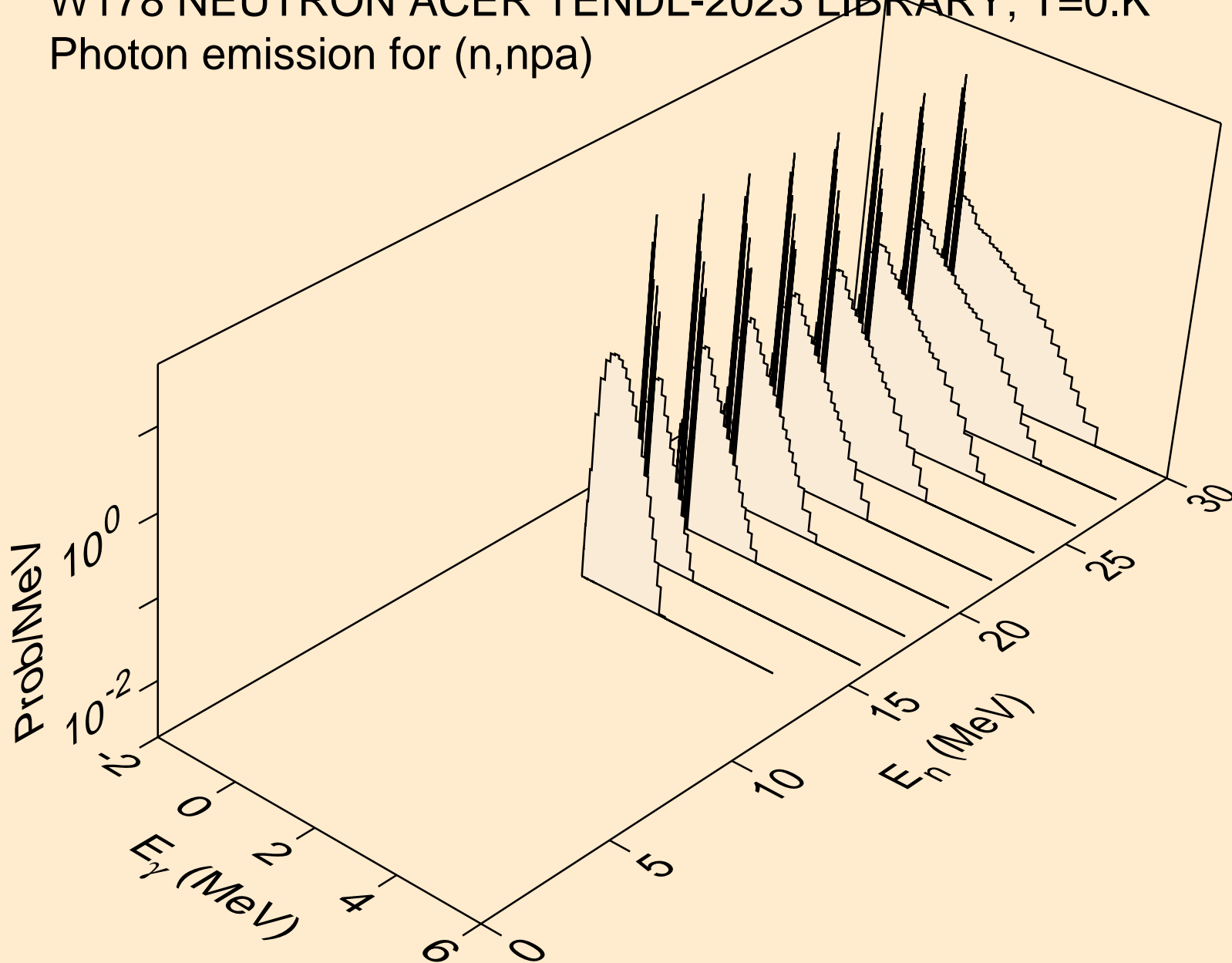


W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)

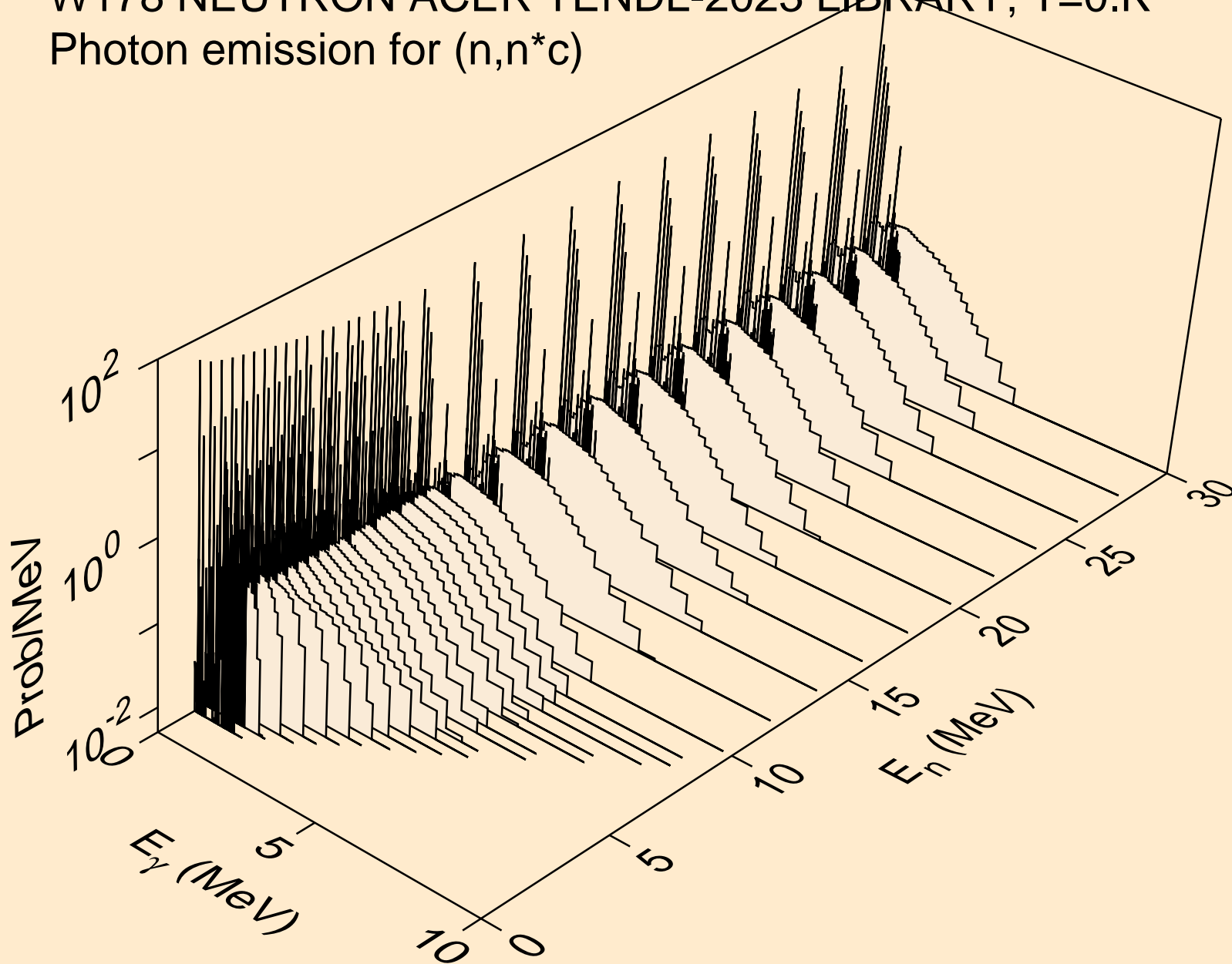




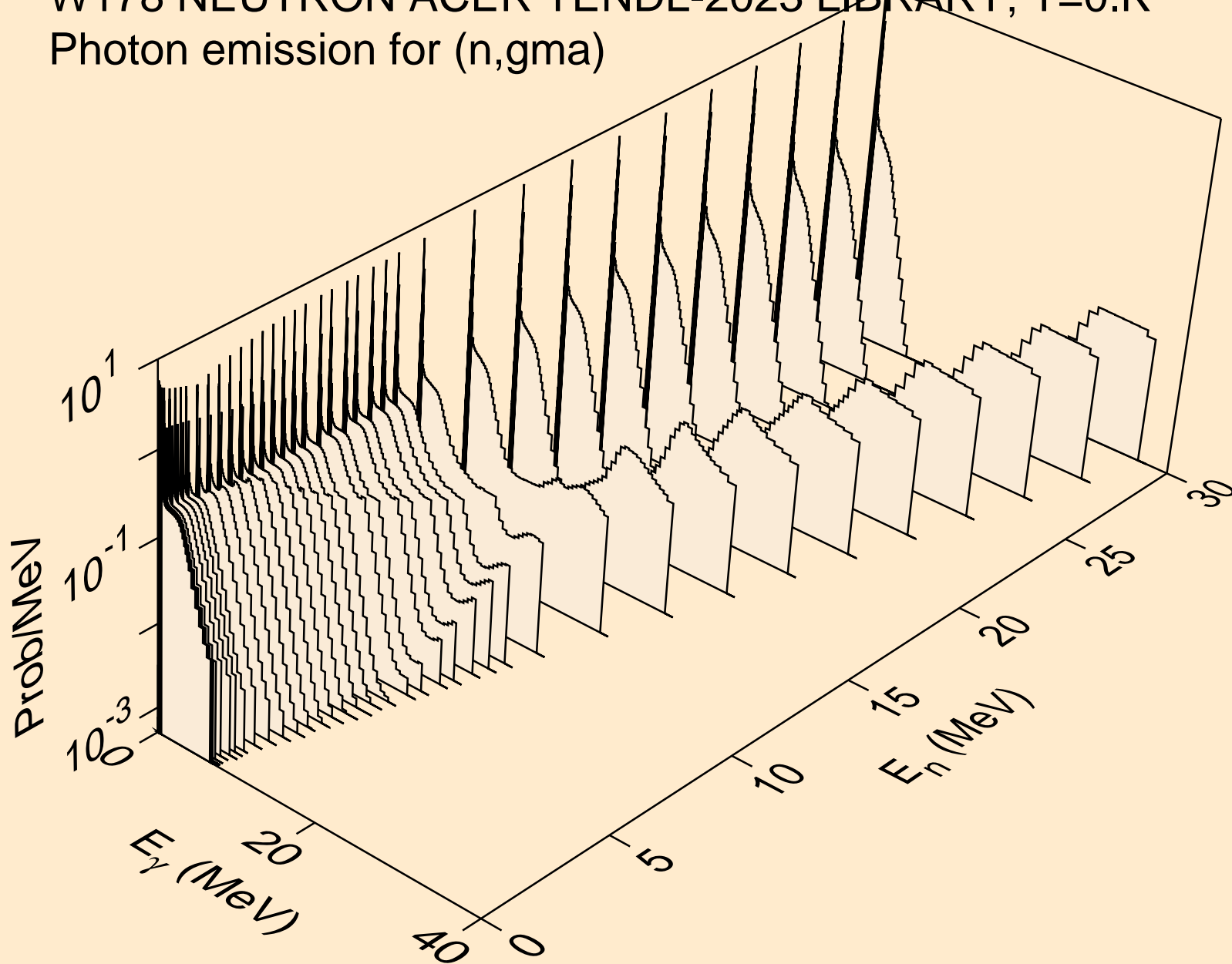
W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,npa)



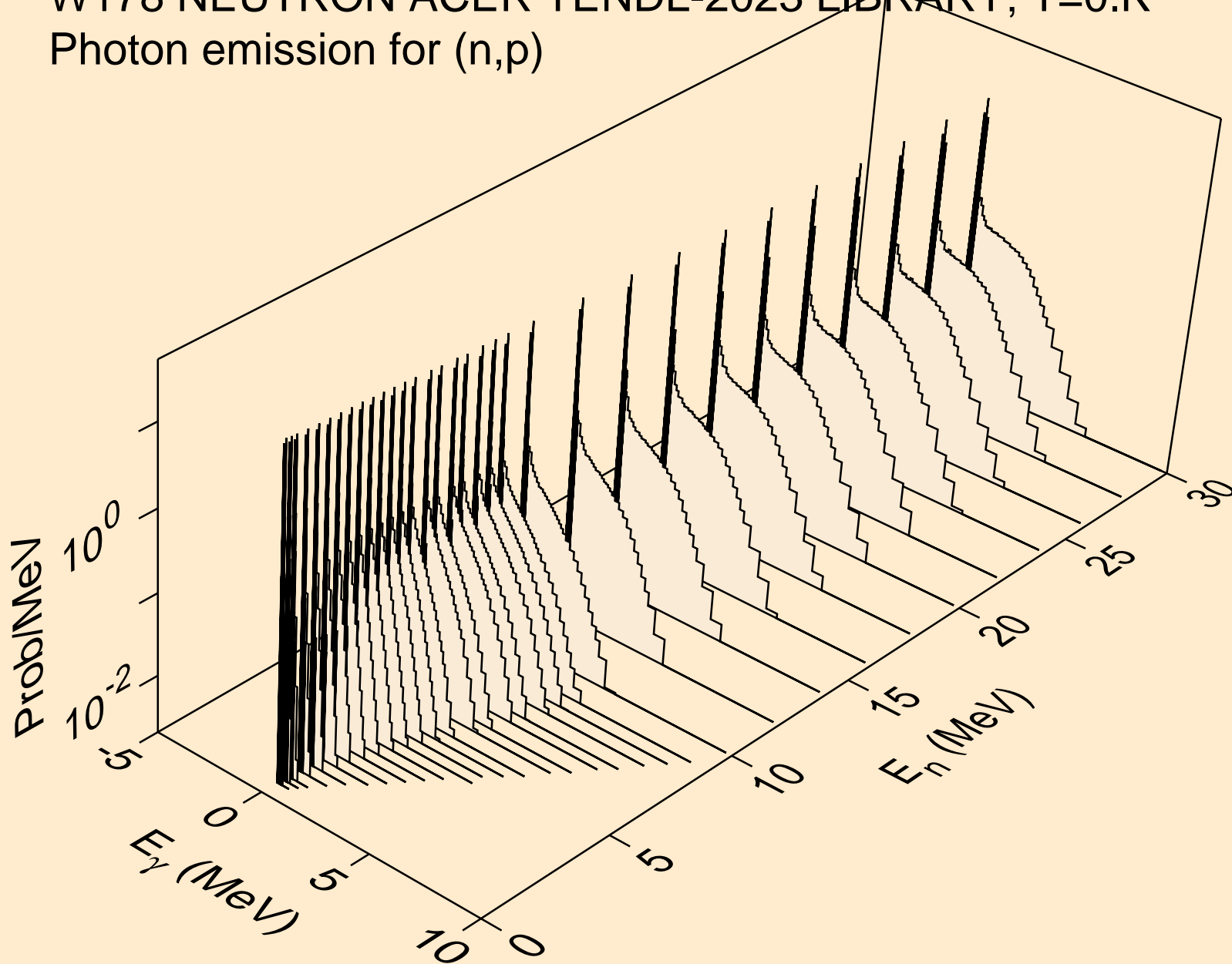
W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*c)



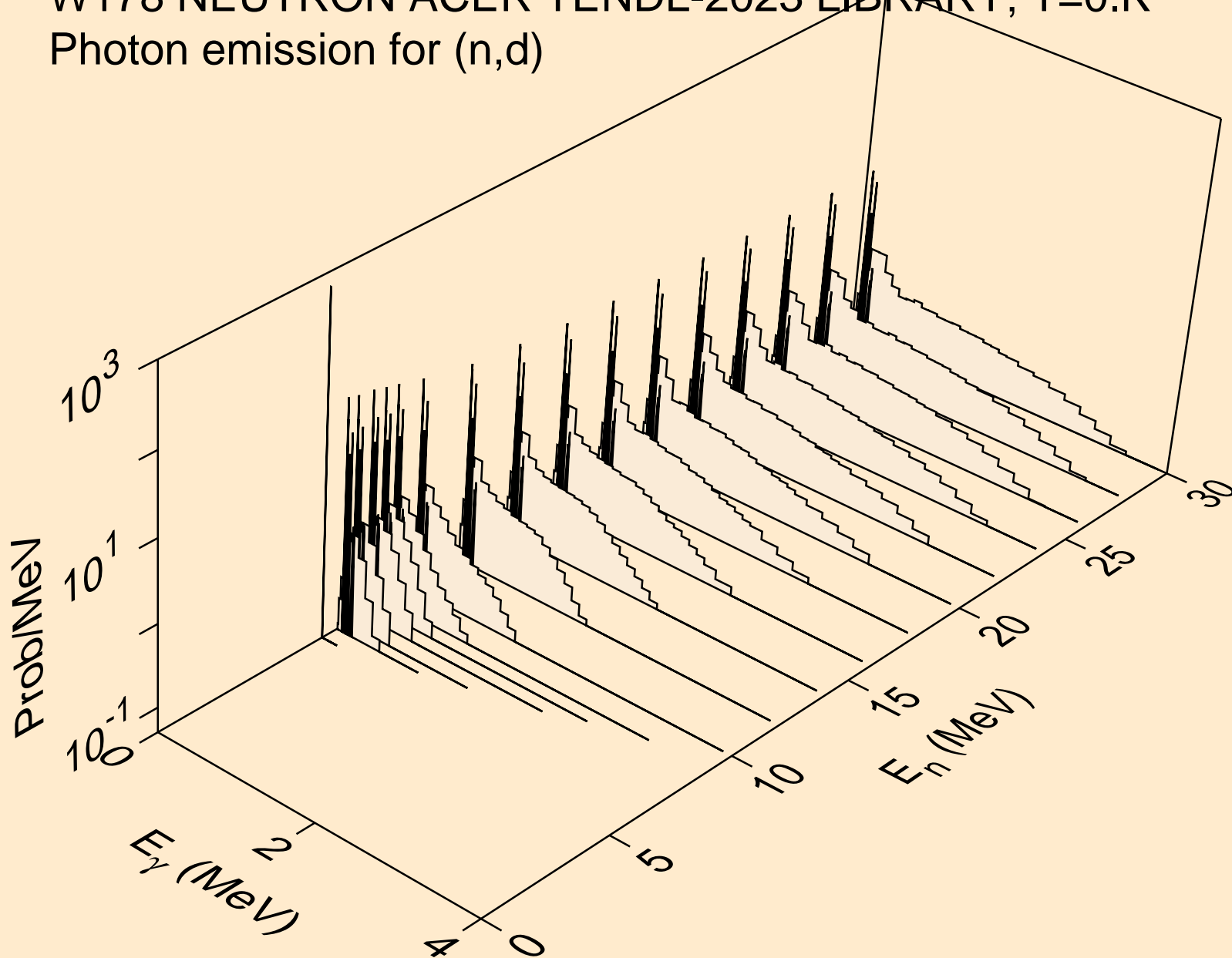
W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)



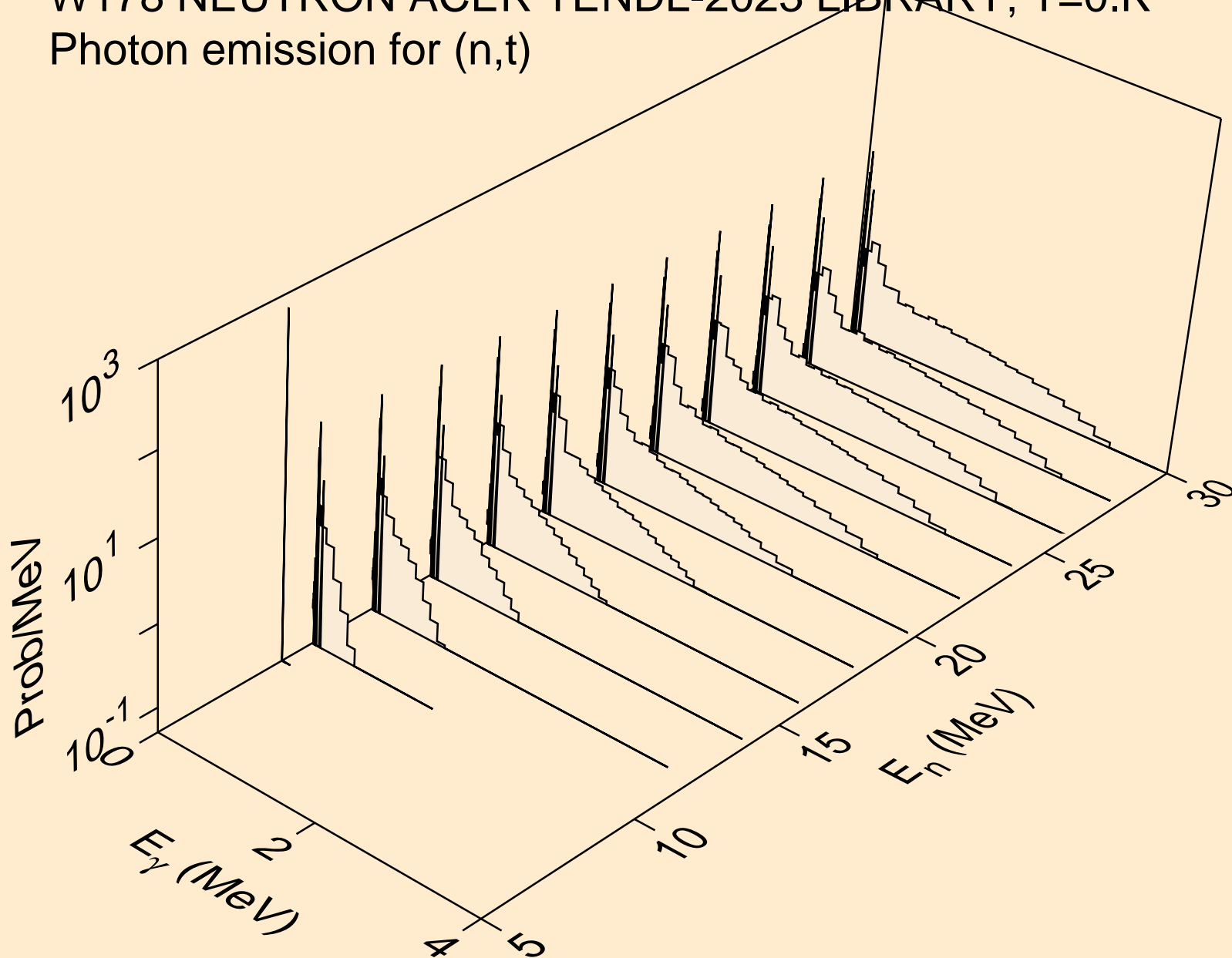
W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)



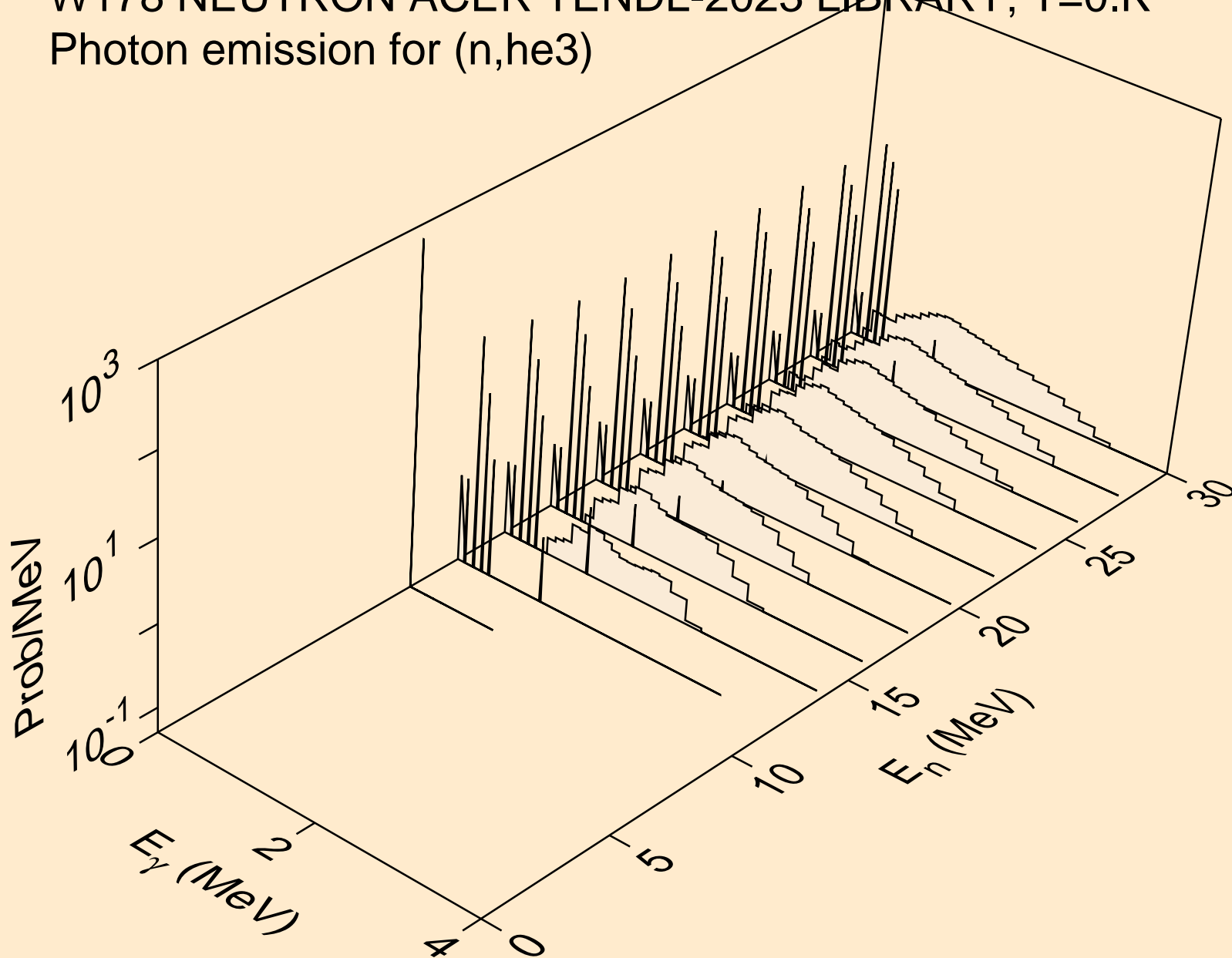
W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)



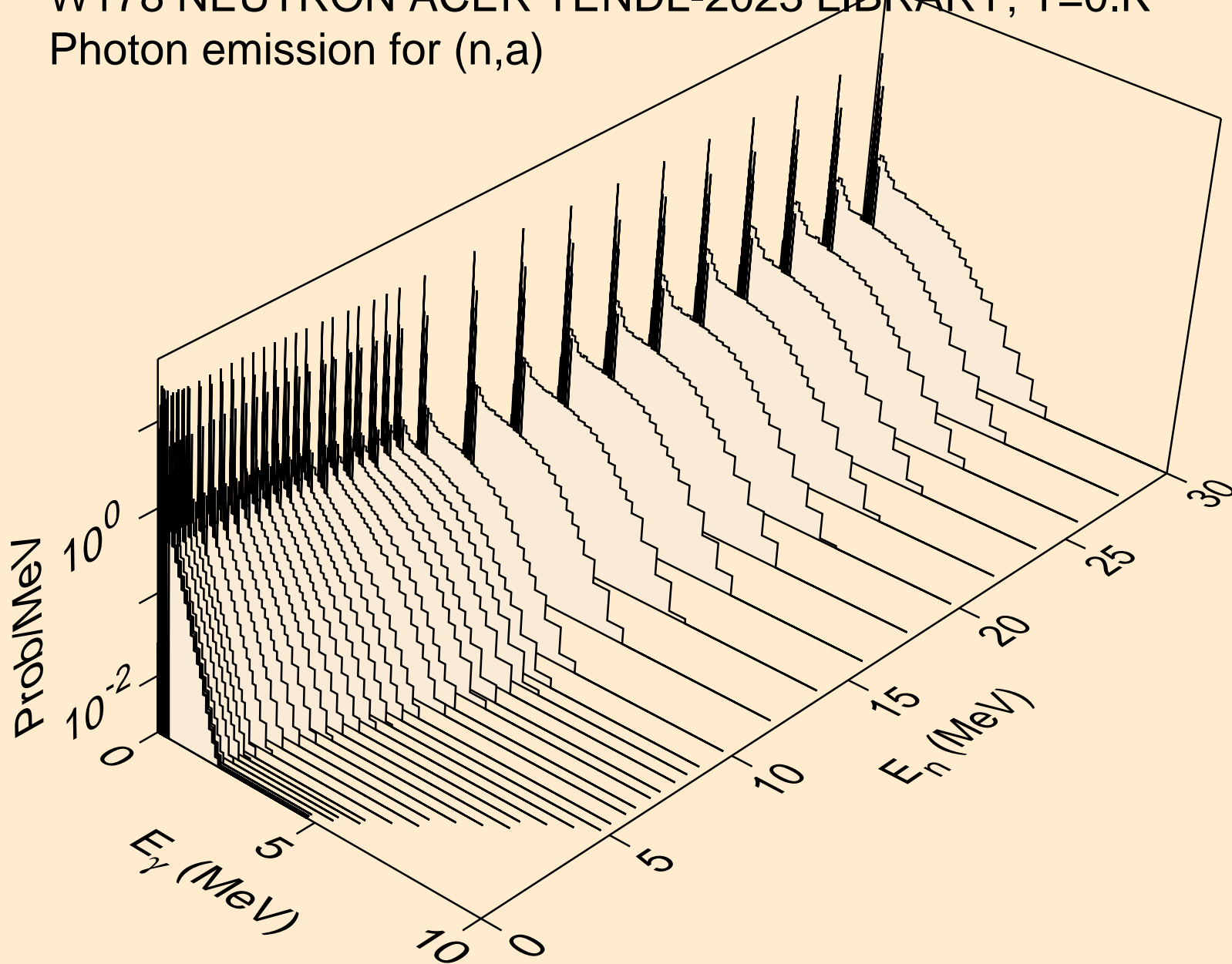
W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)



W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)

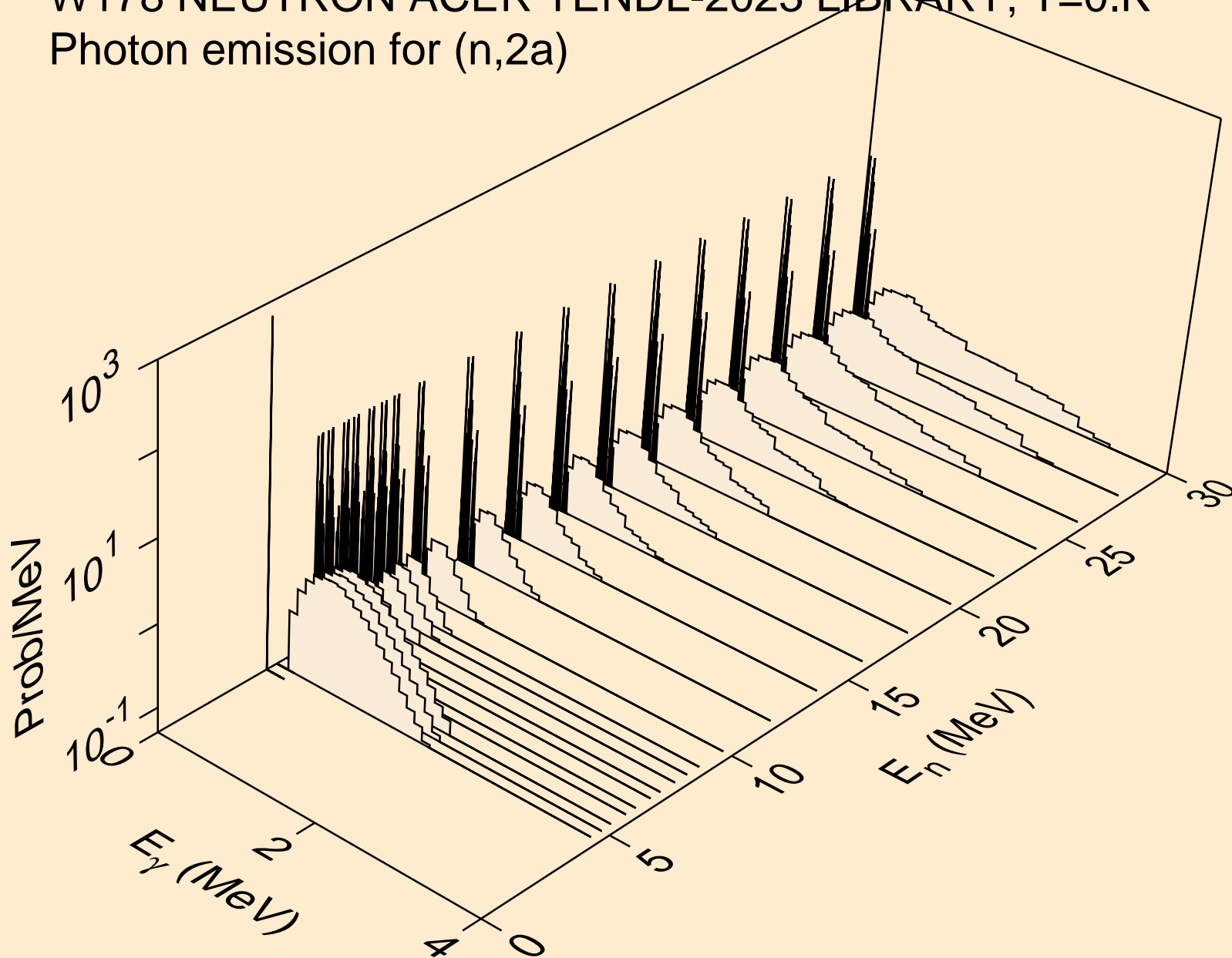


W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)

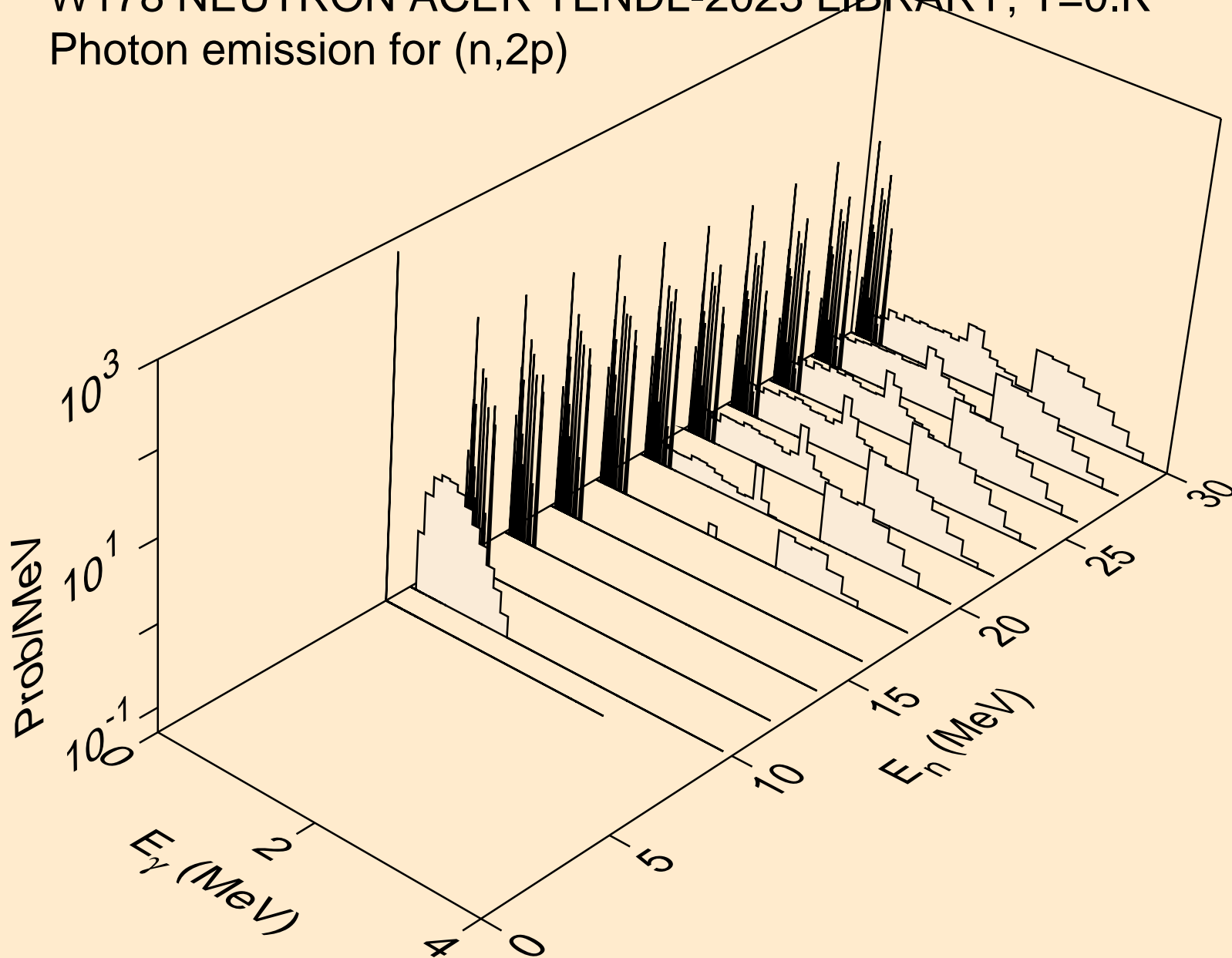




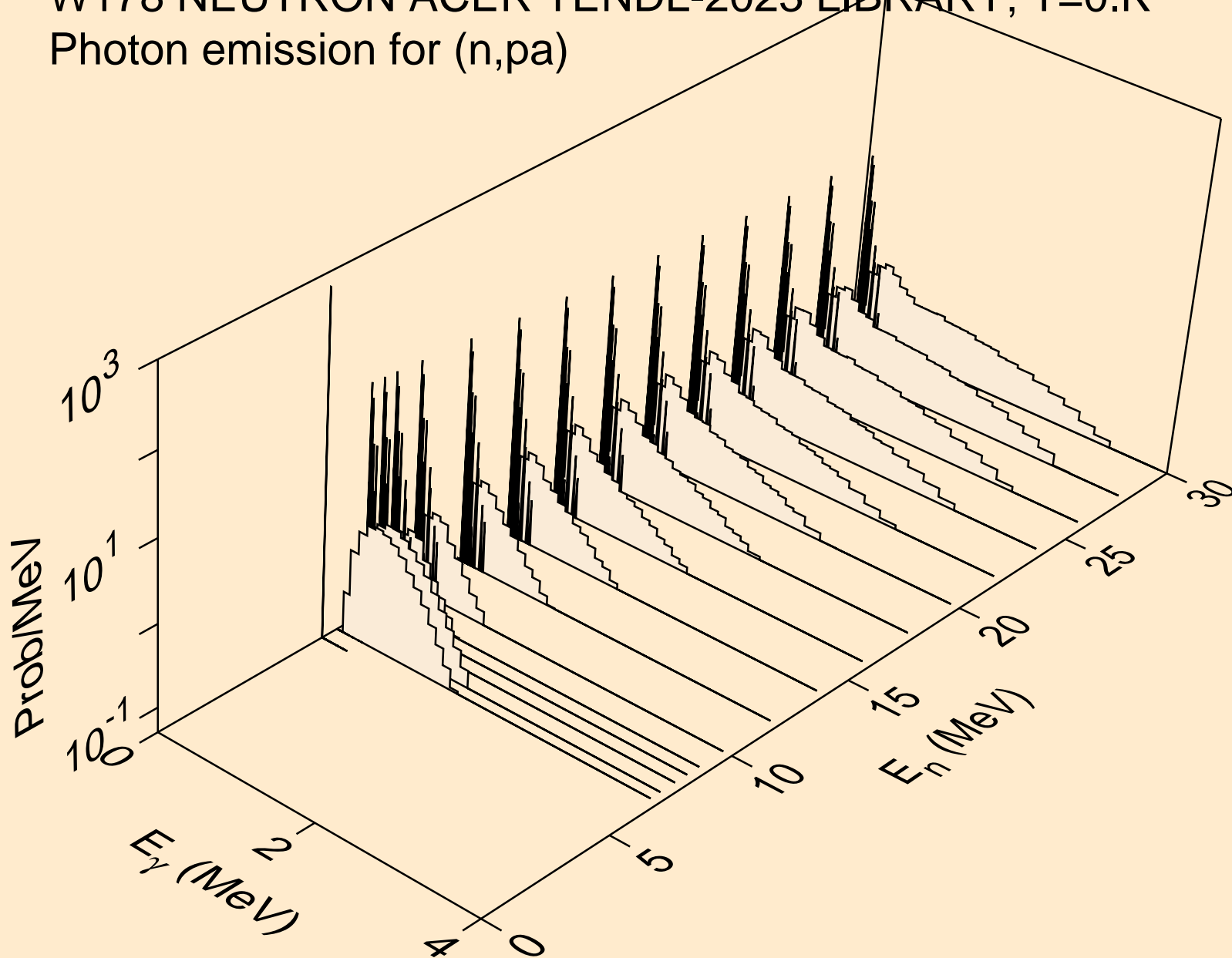
W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2a)



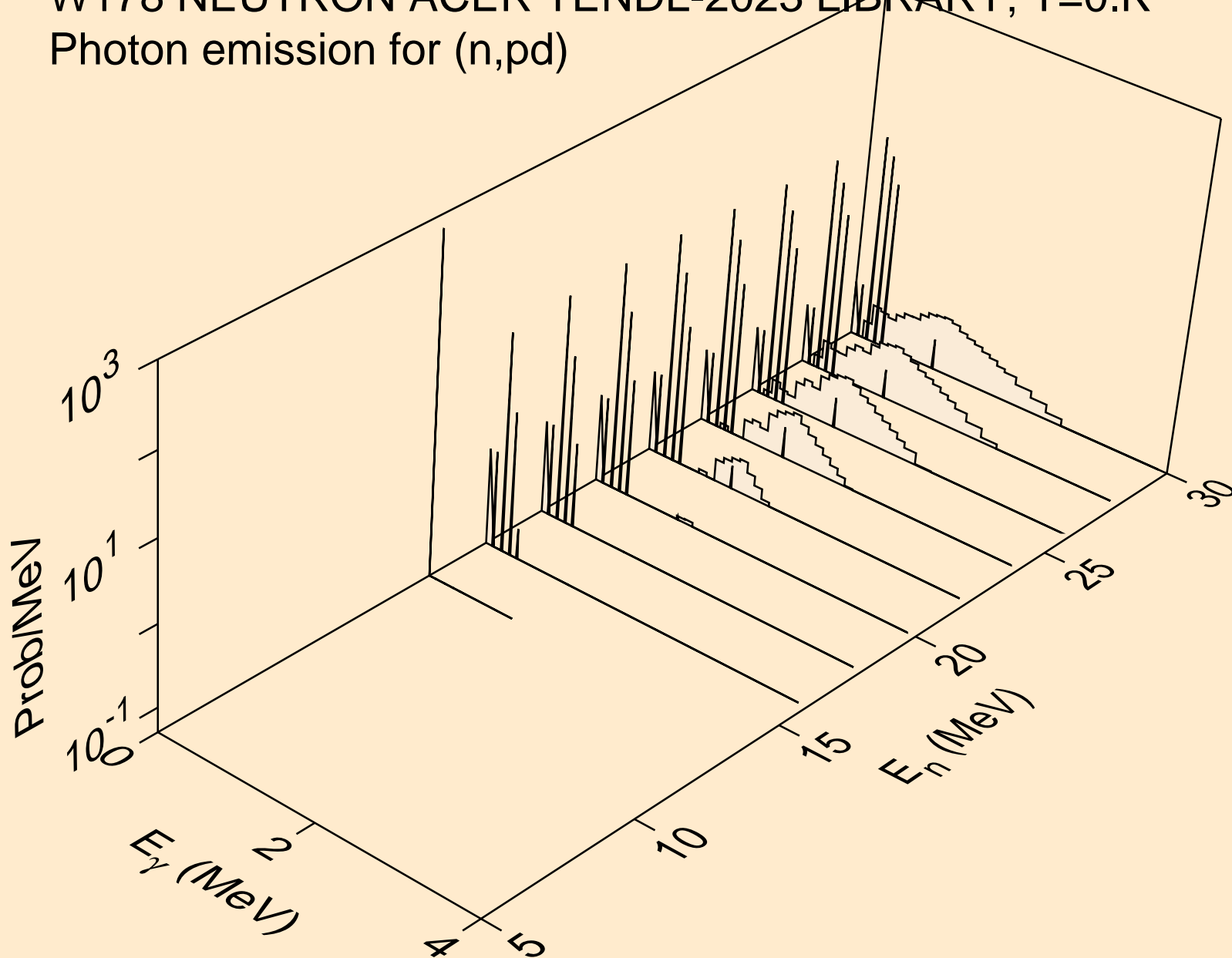
W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)



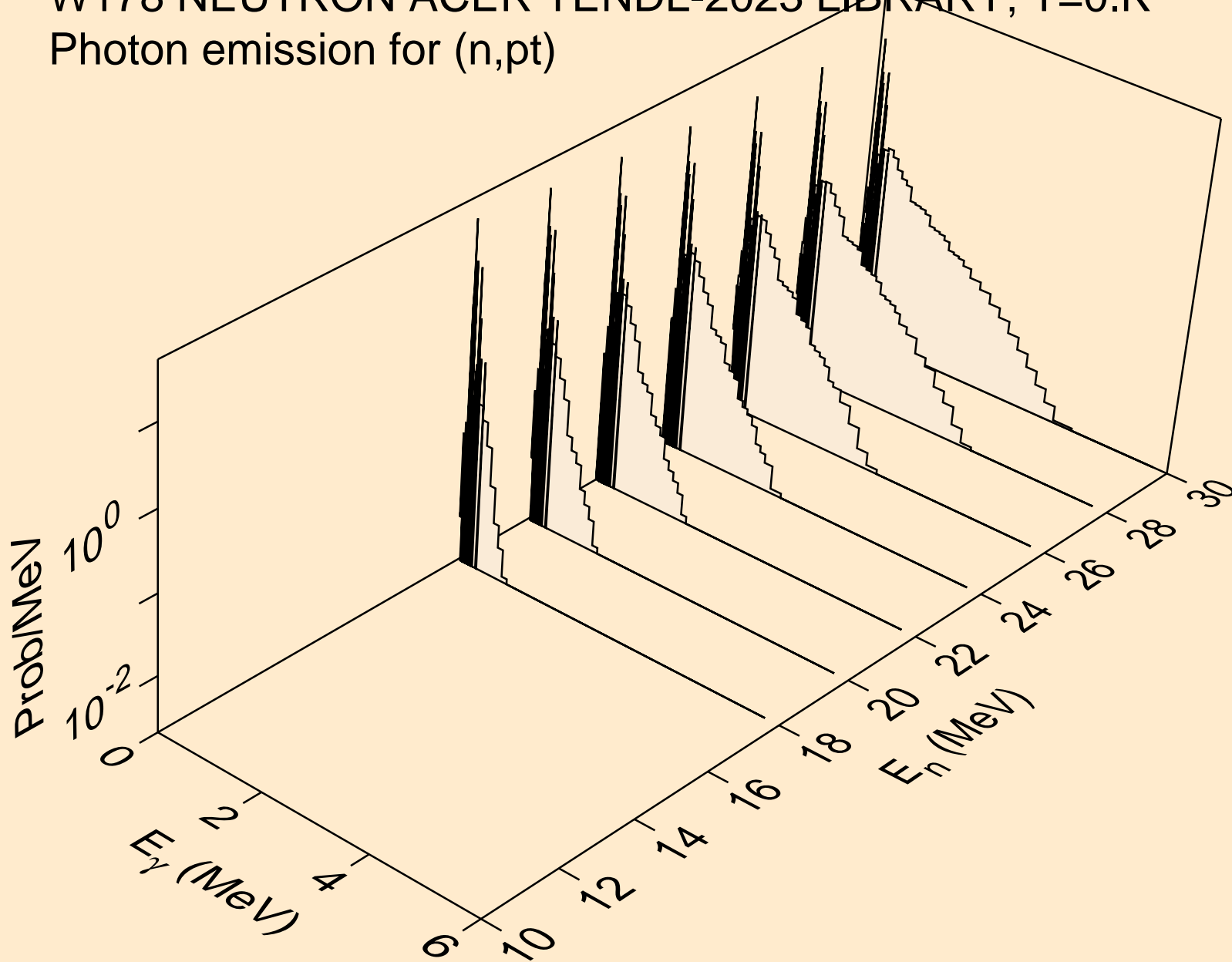
W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p $\alpha$ )



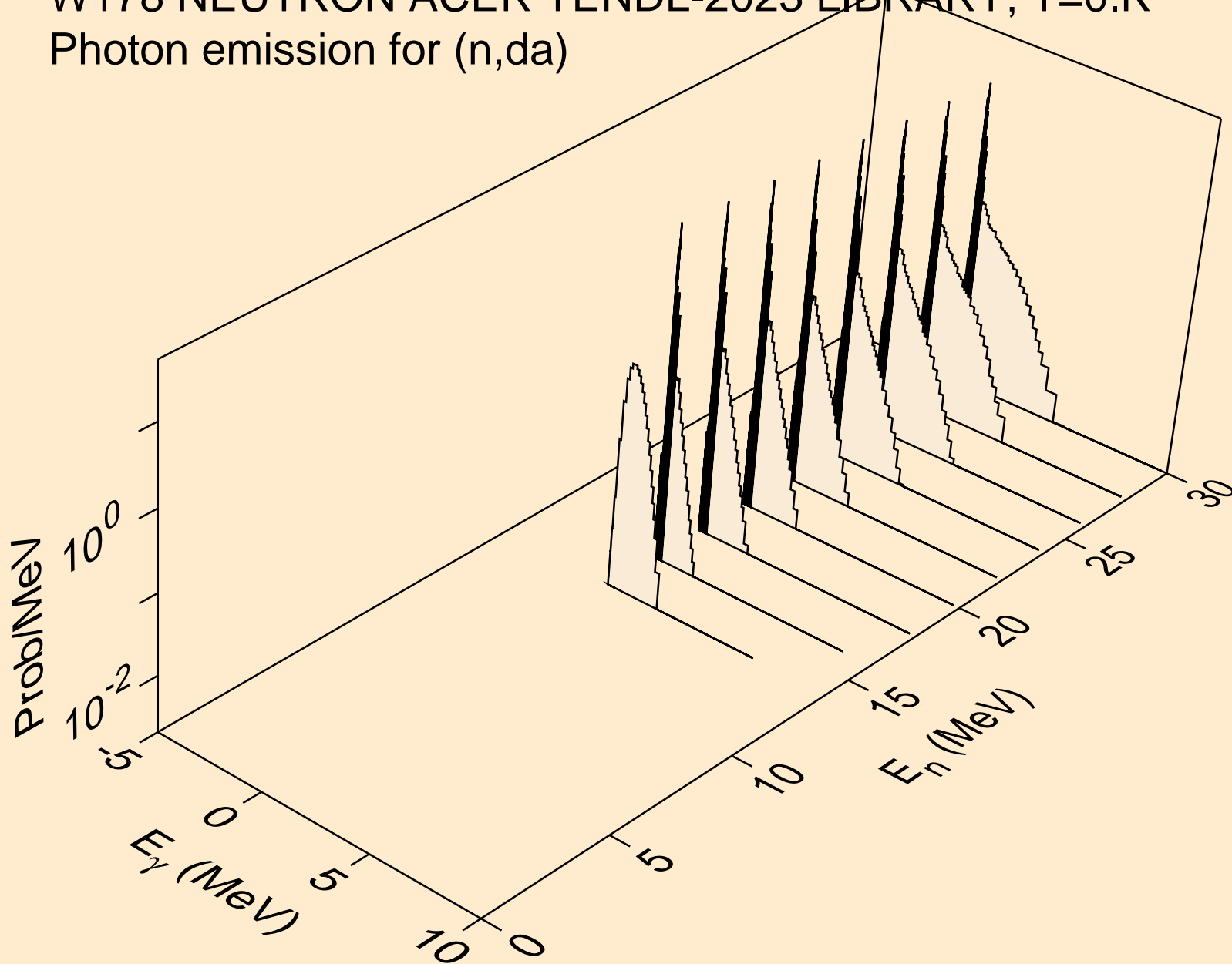
W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)



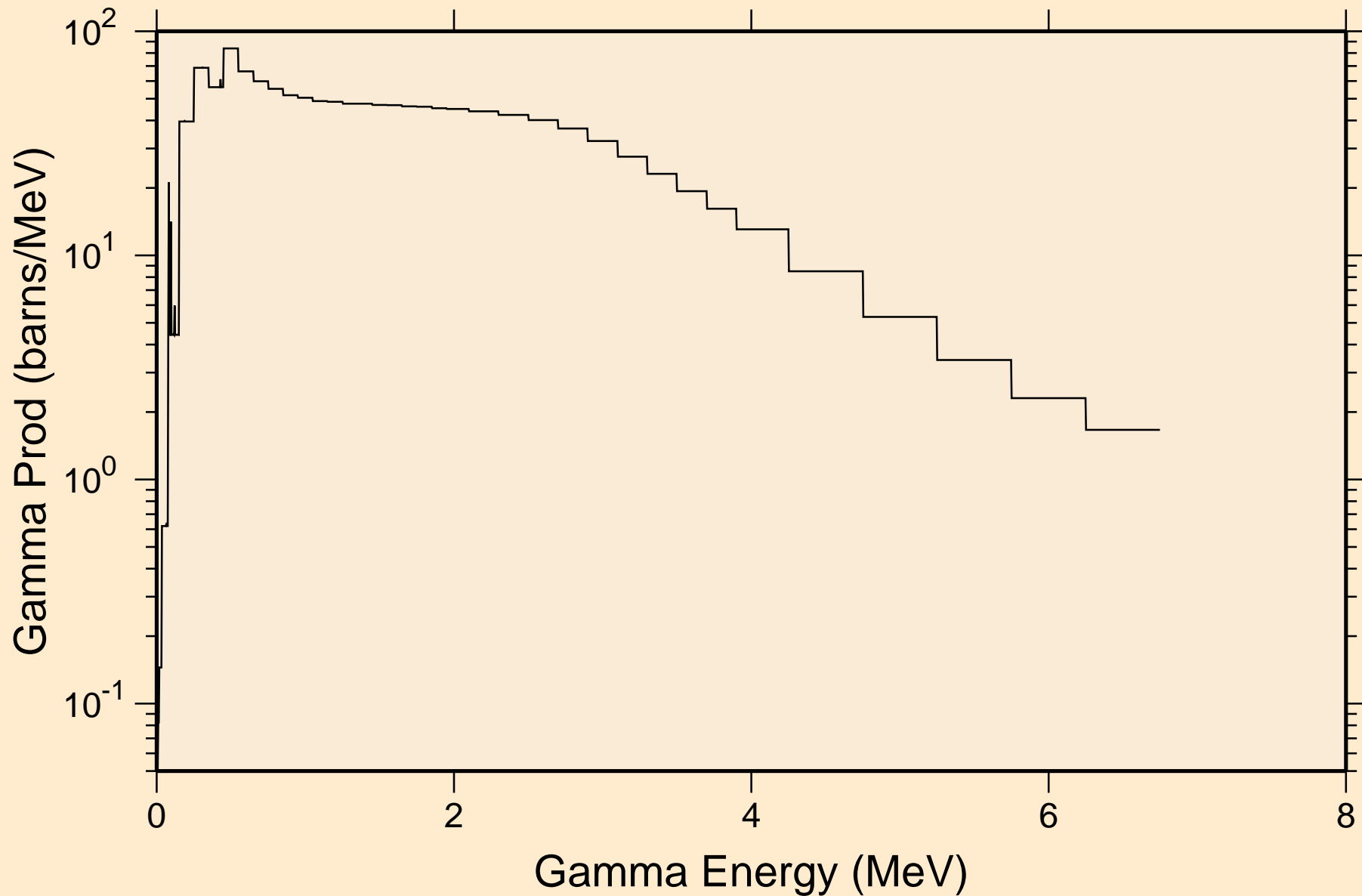
W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)



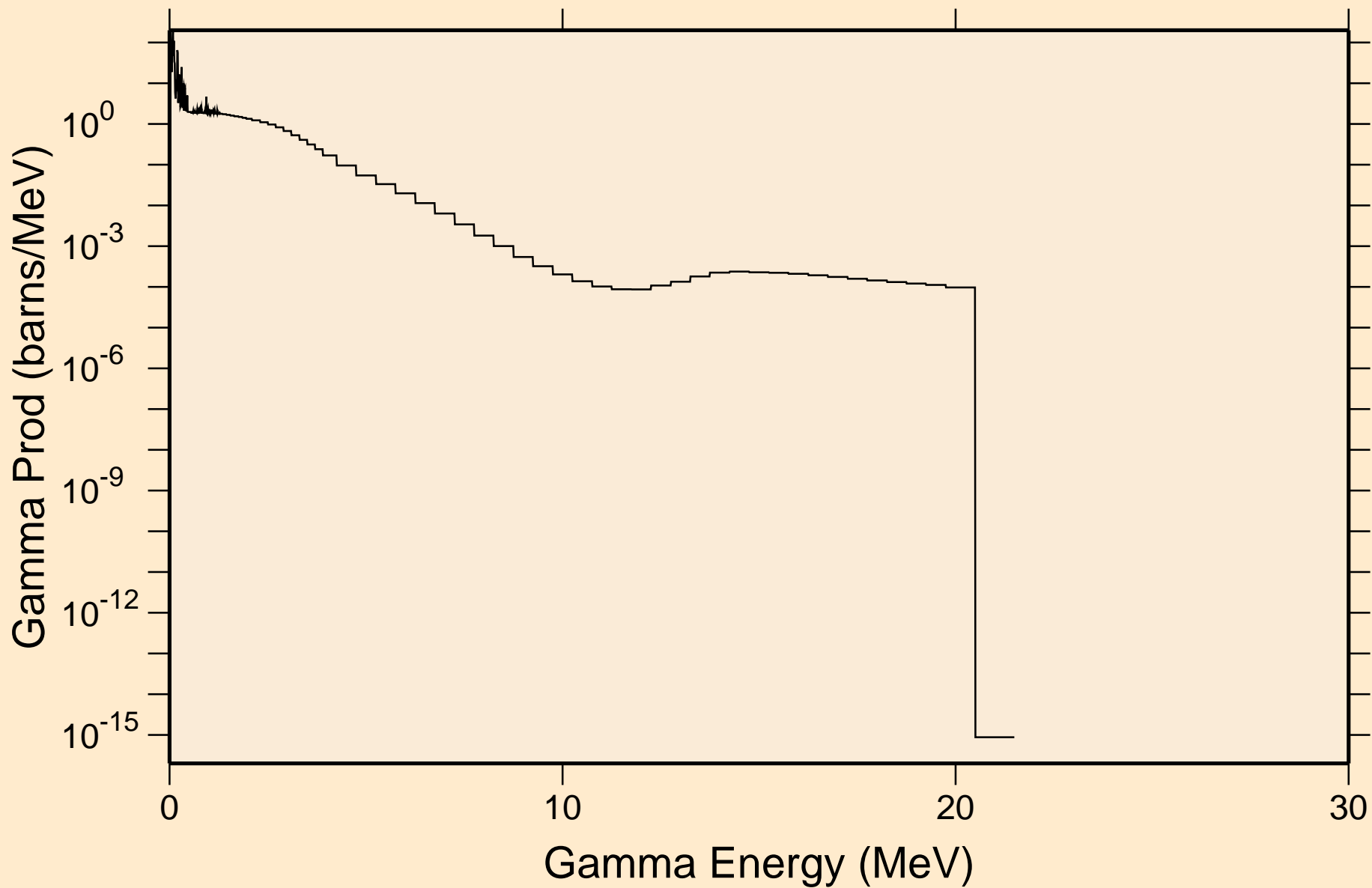
W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)



W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
thermal capture photon spectrum



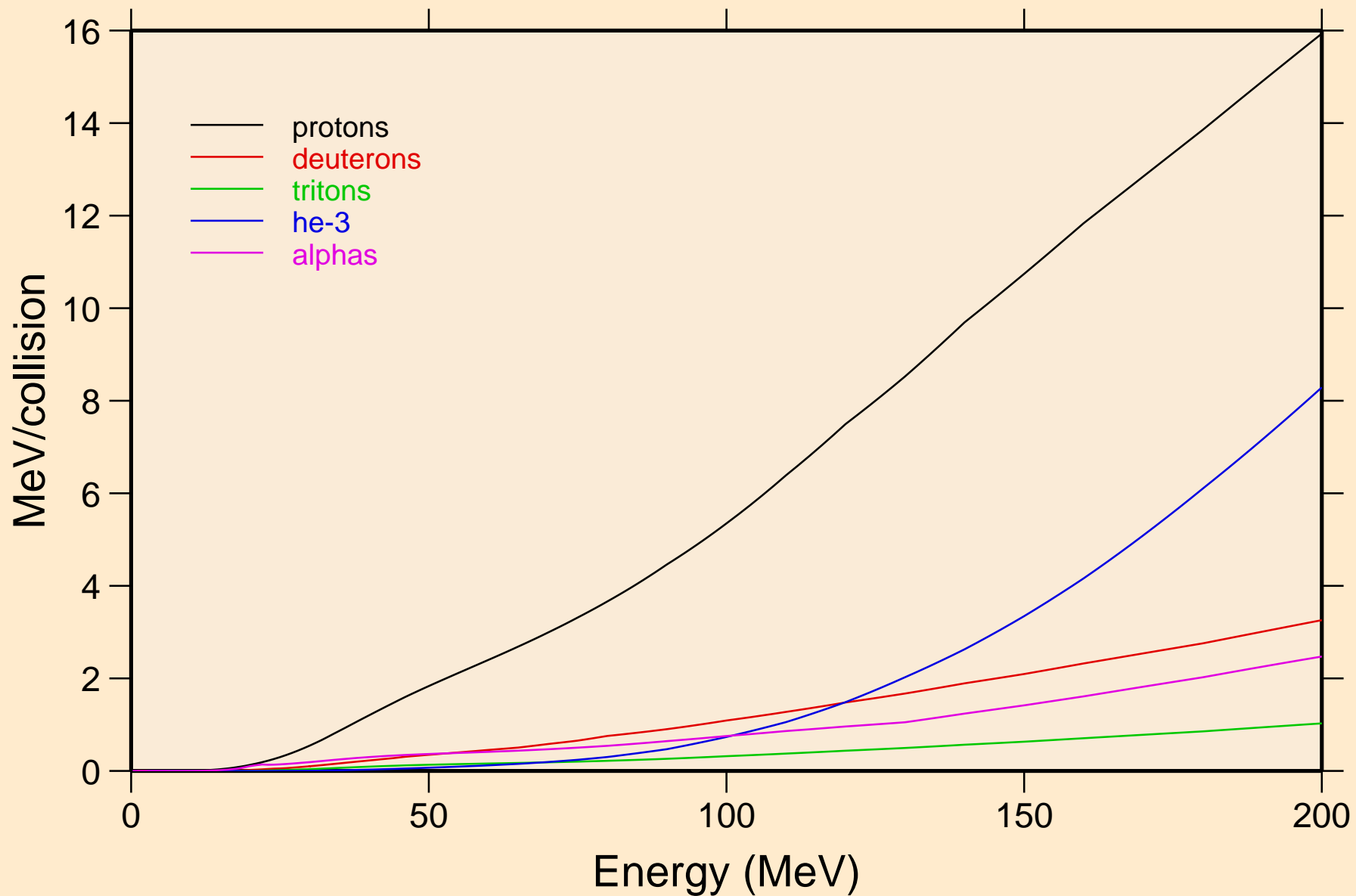
W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
14 MeV photon spectrum



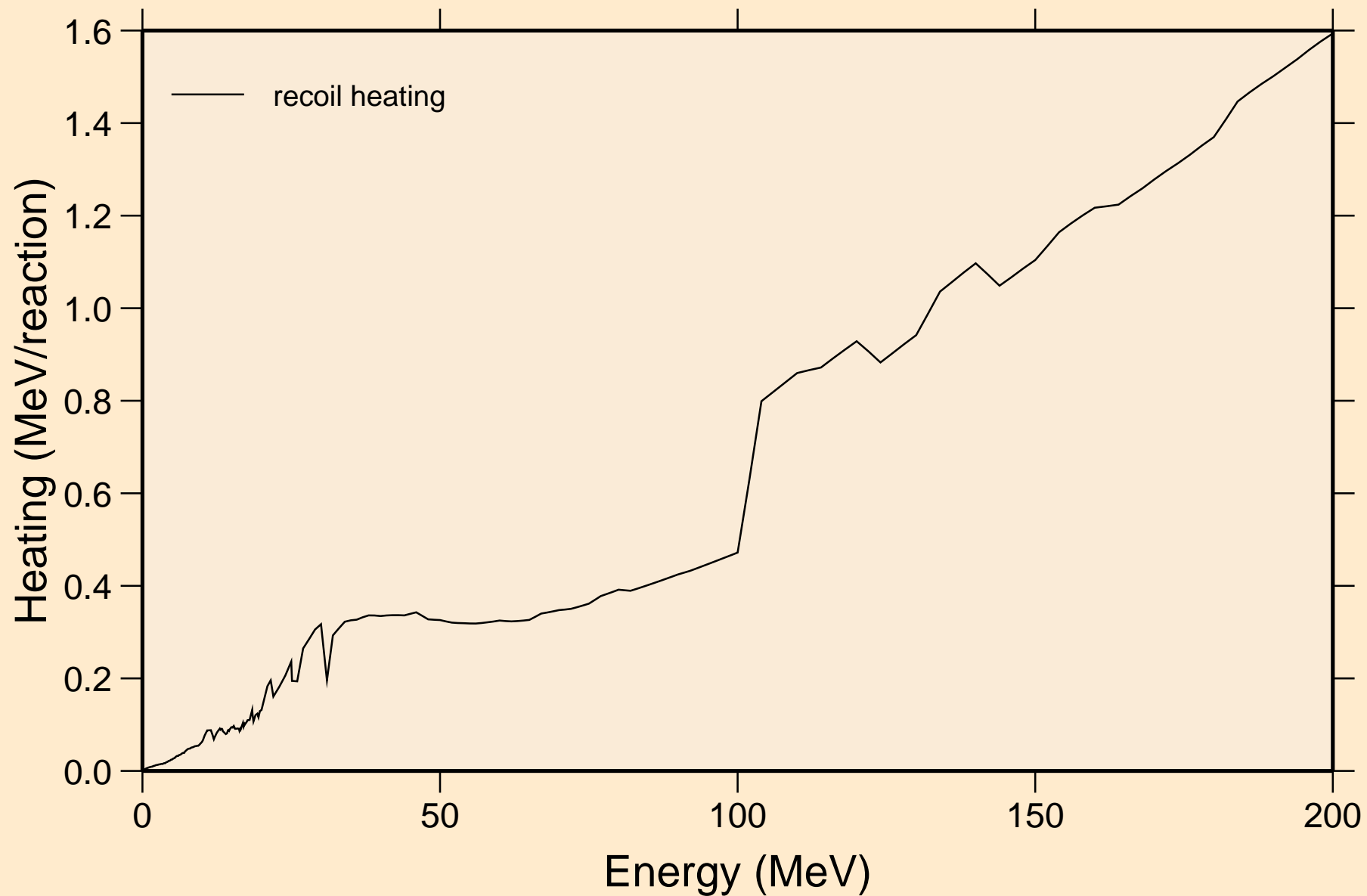


# W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Particle heating contributions

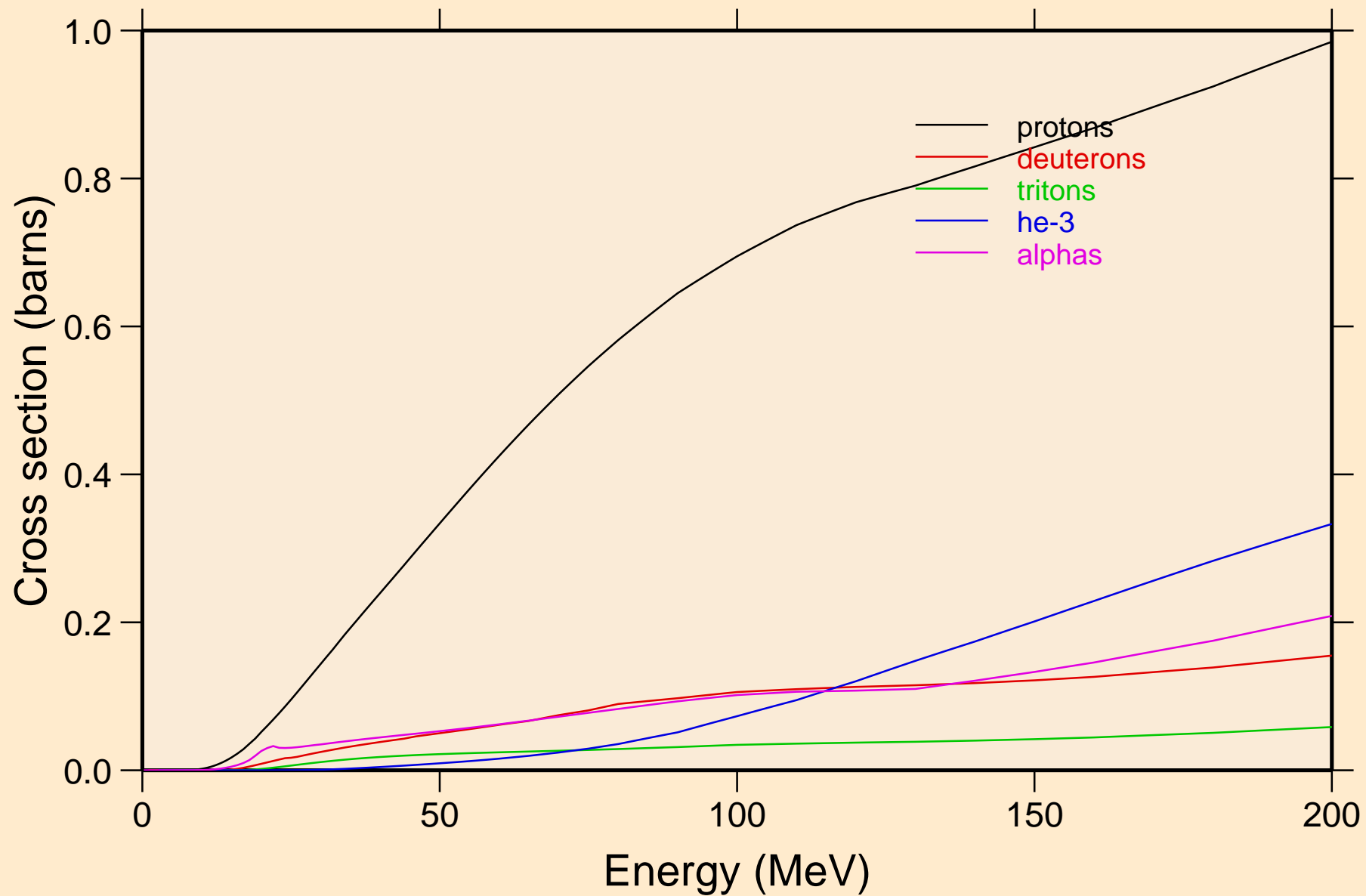


W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating

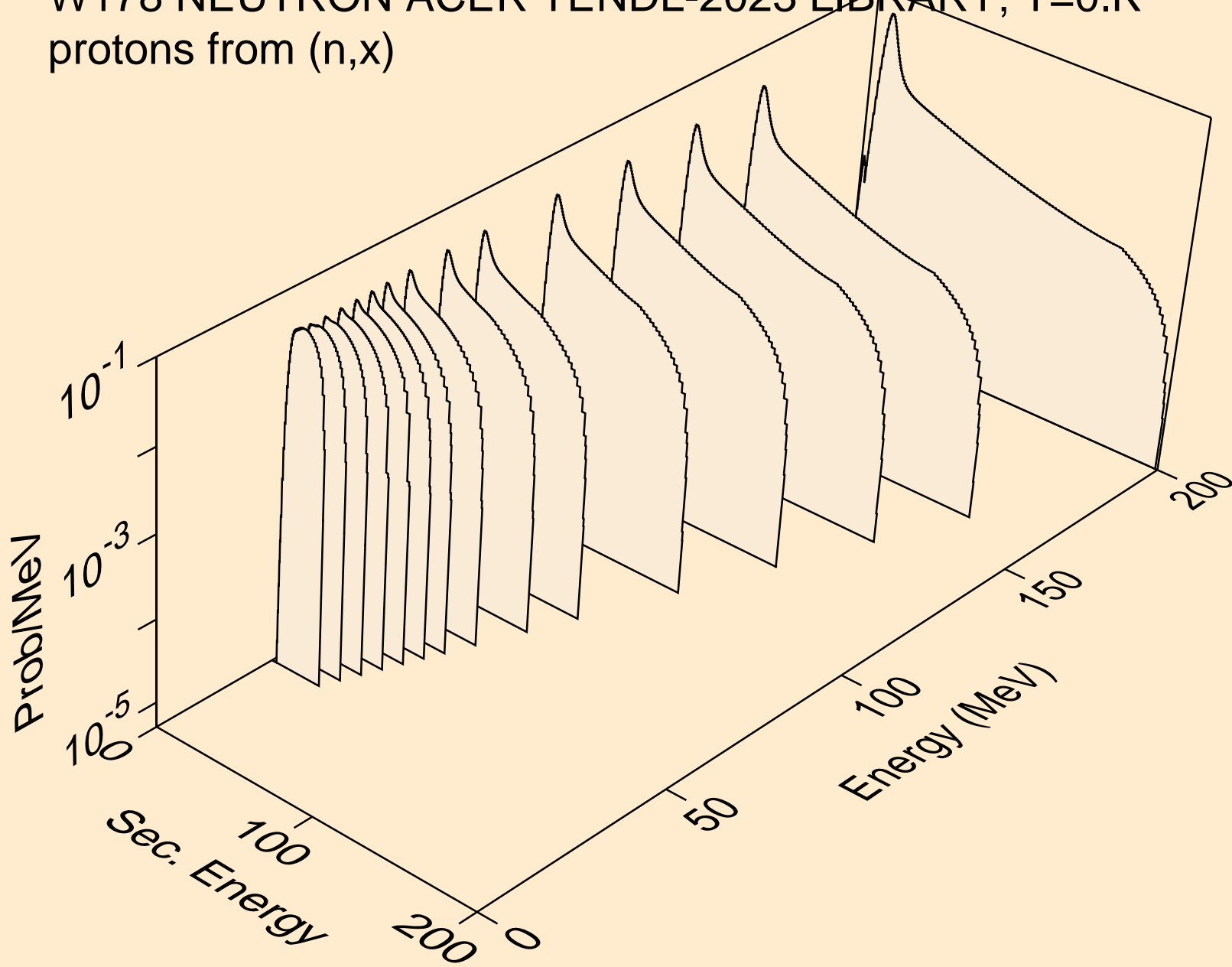


# W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

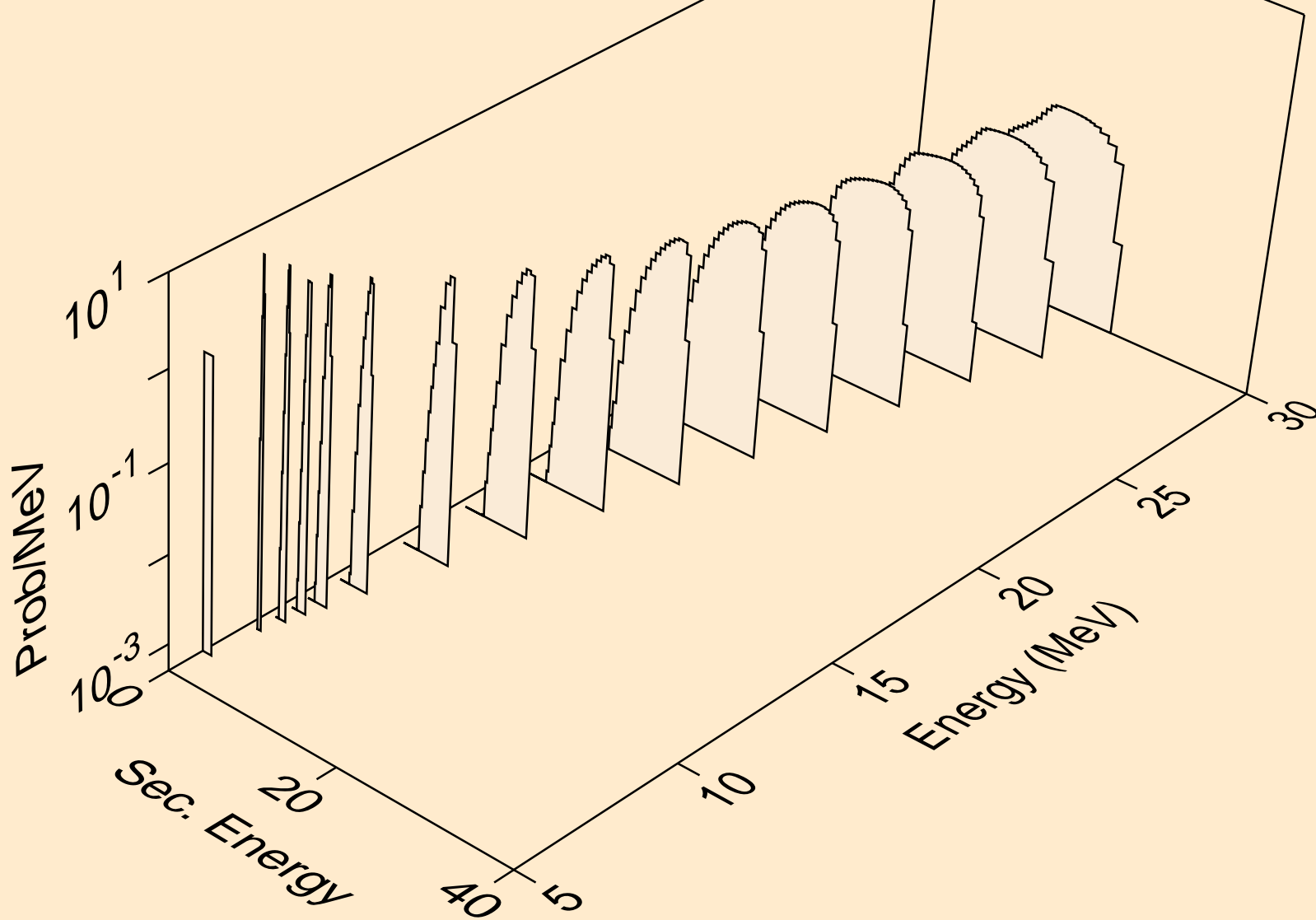
## Particle production cross sections



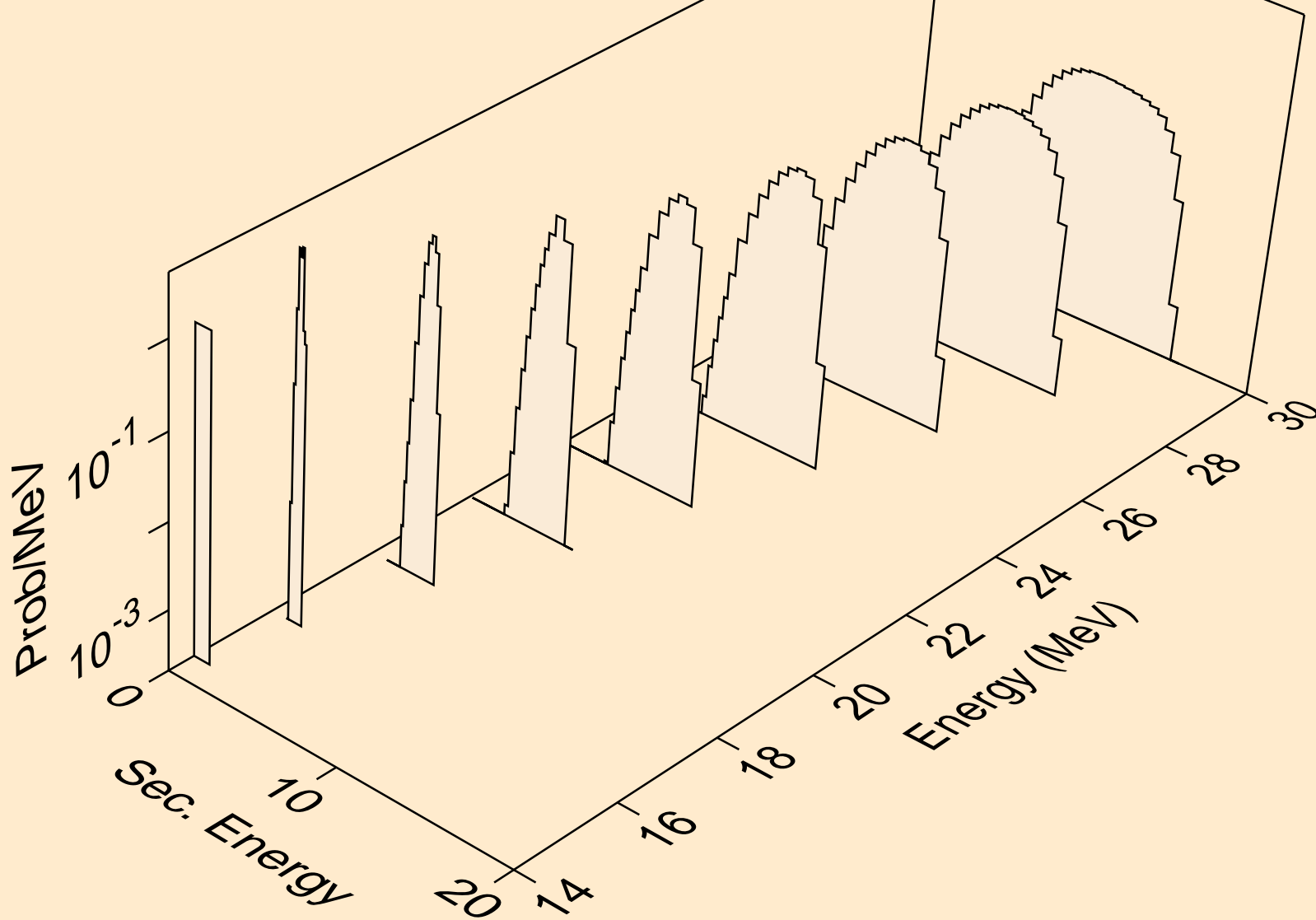
W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,x)



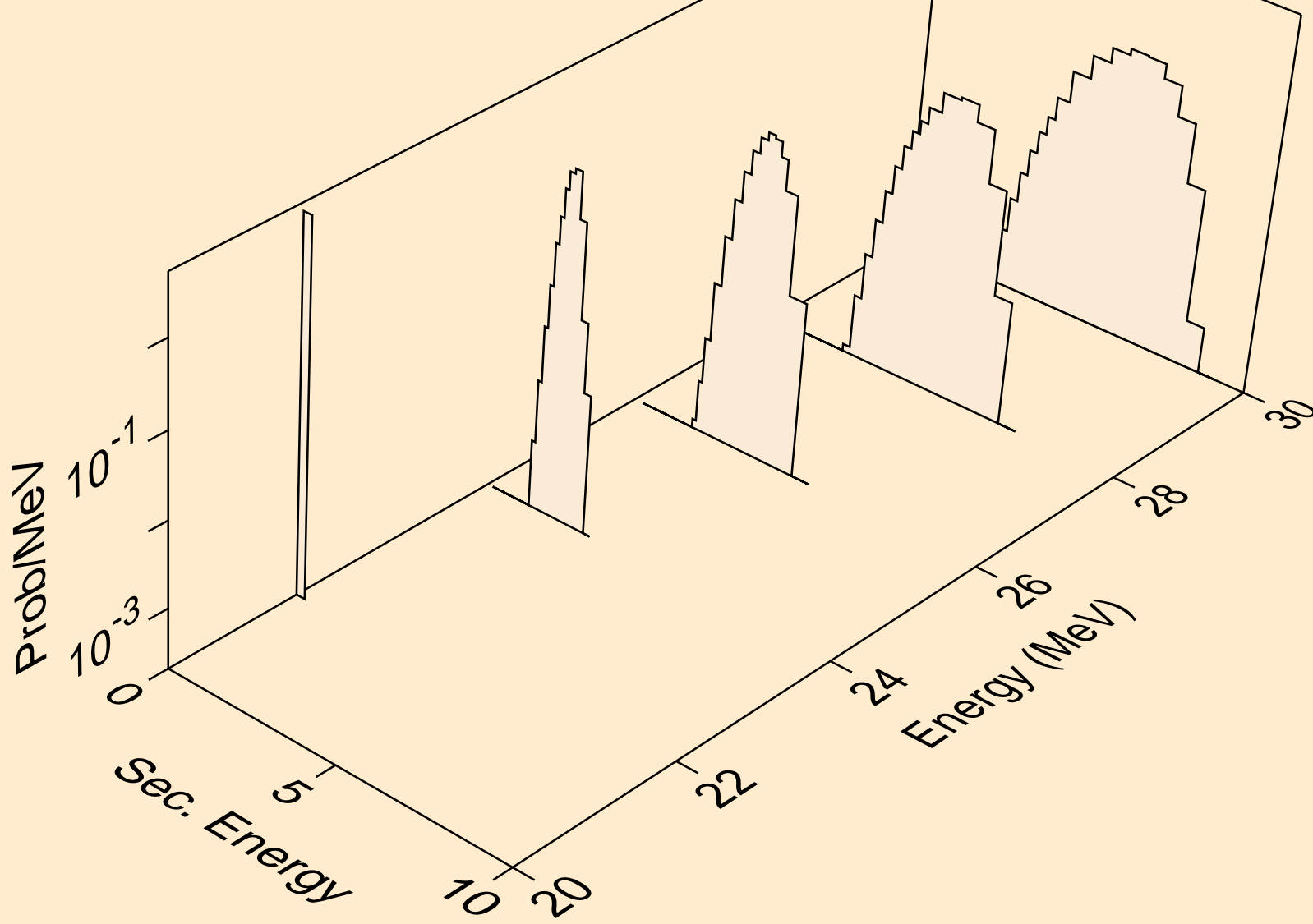
W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n\*)p



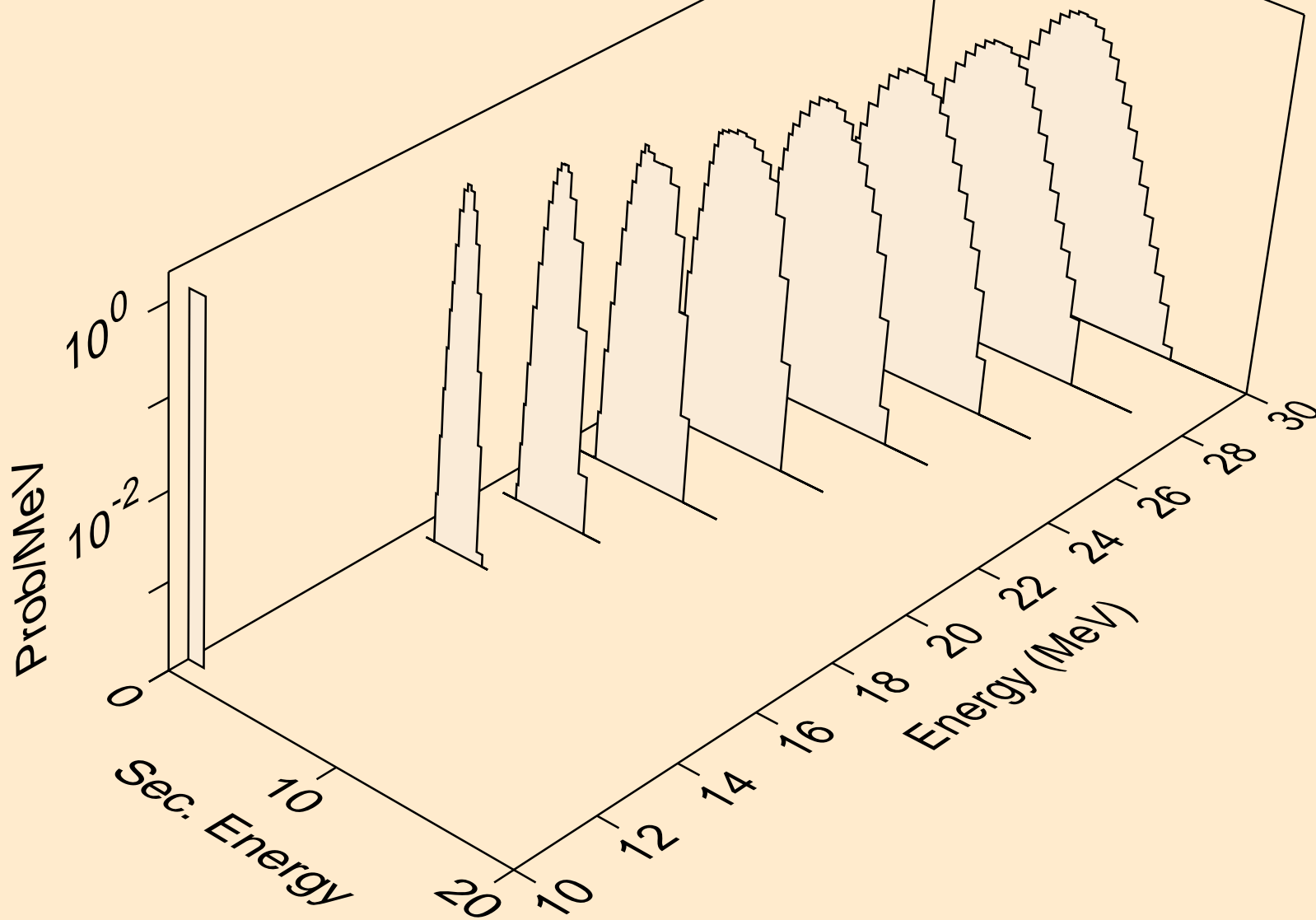
W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,2np)



W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,3np)

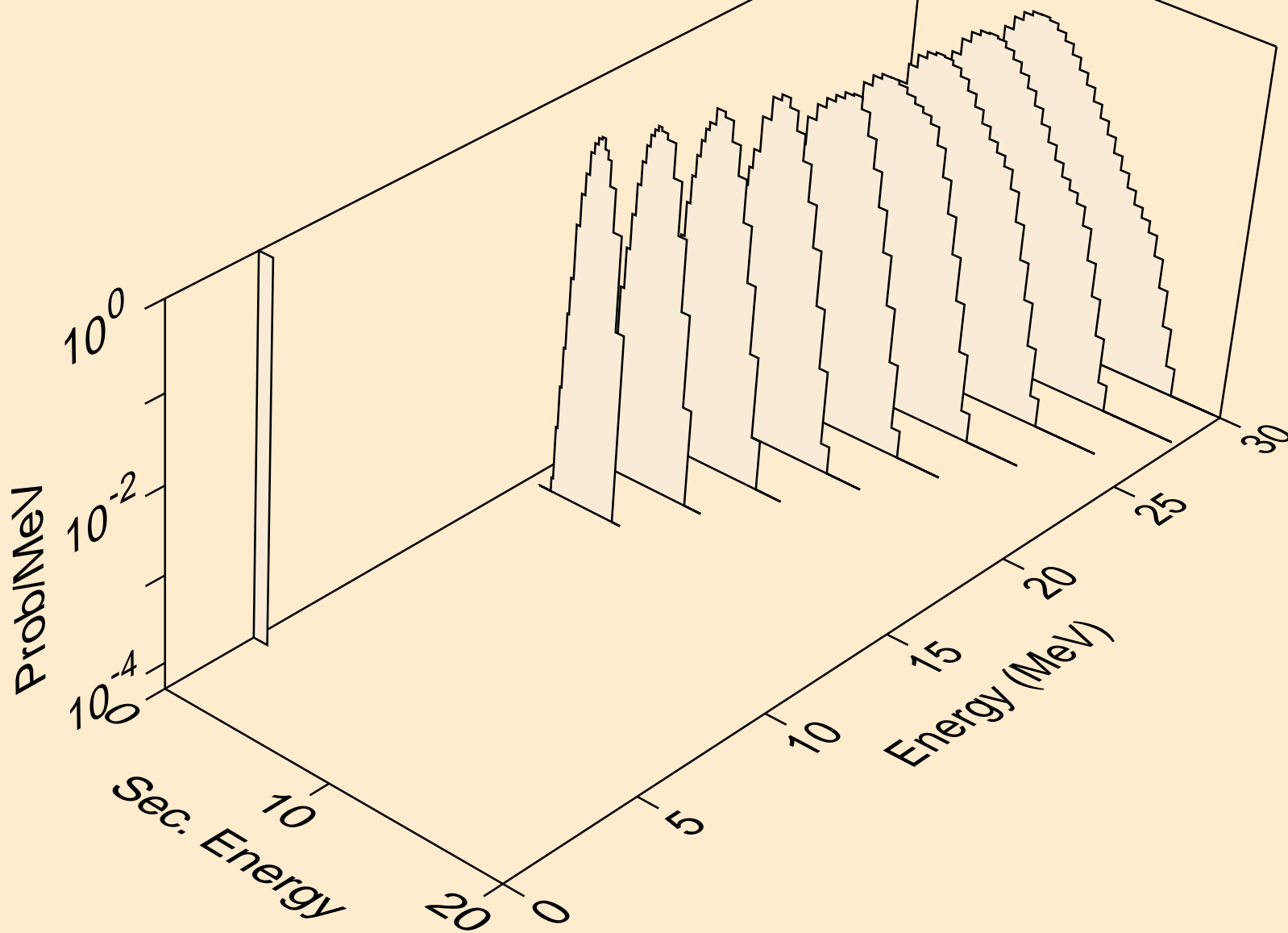


W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n2p)

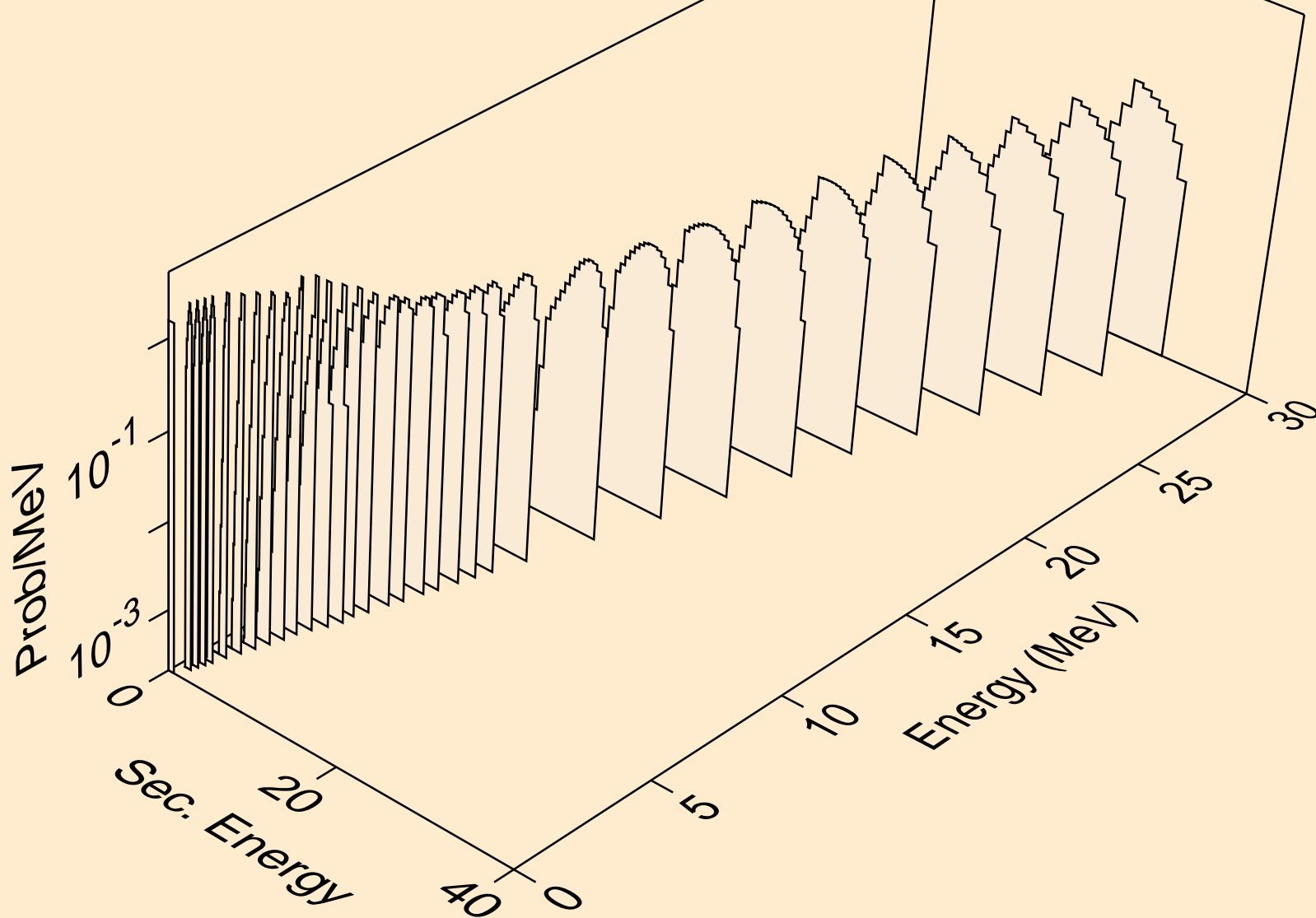




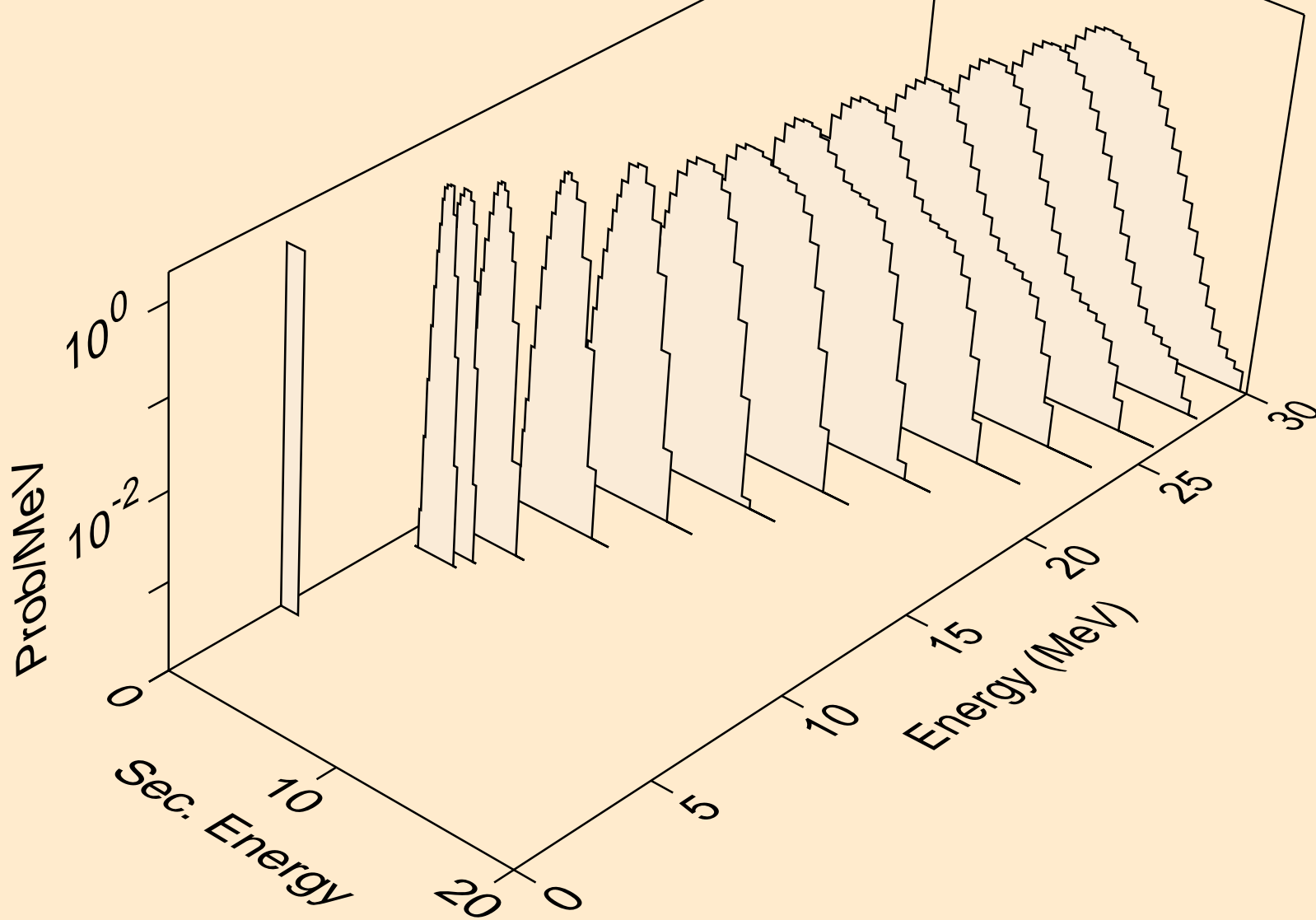
W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,npa)



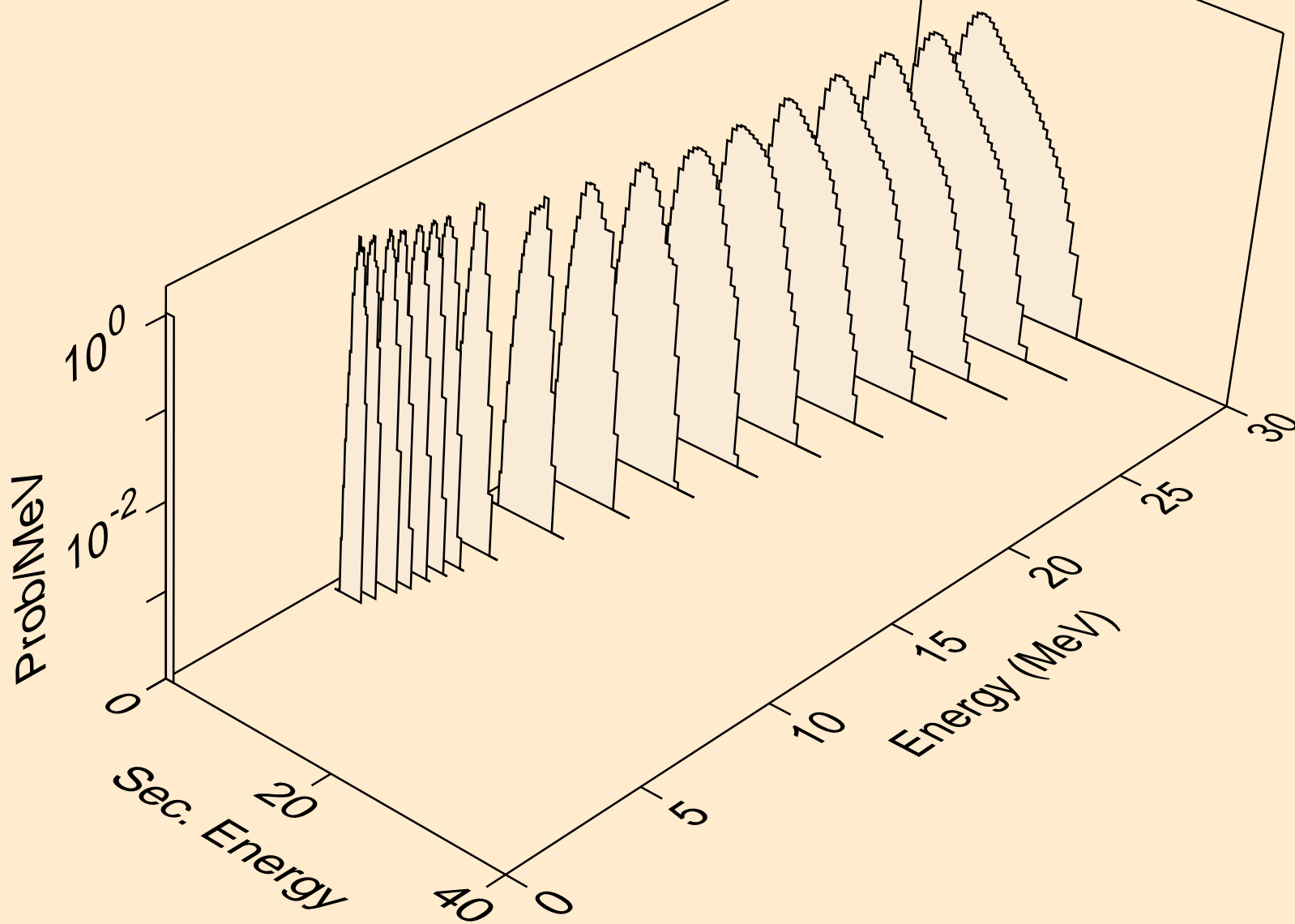
W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,p)



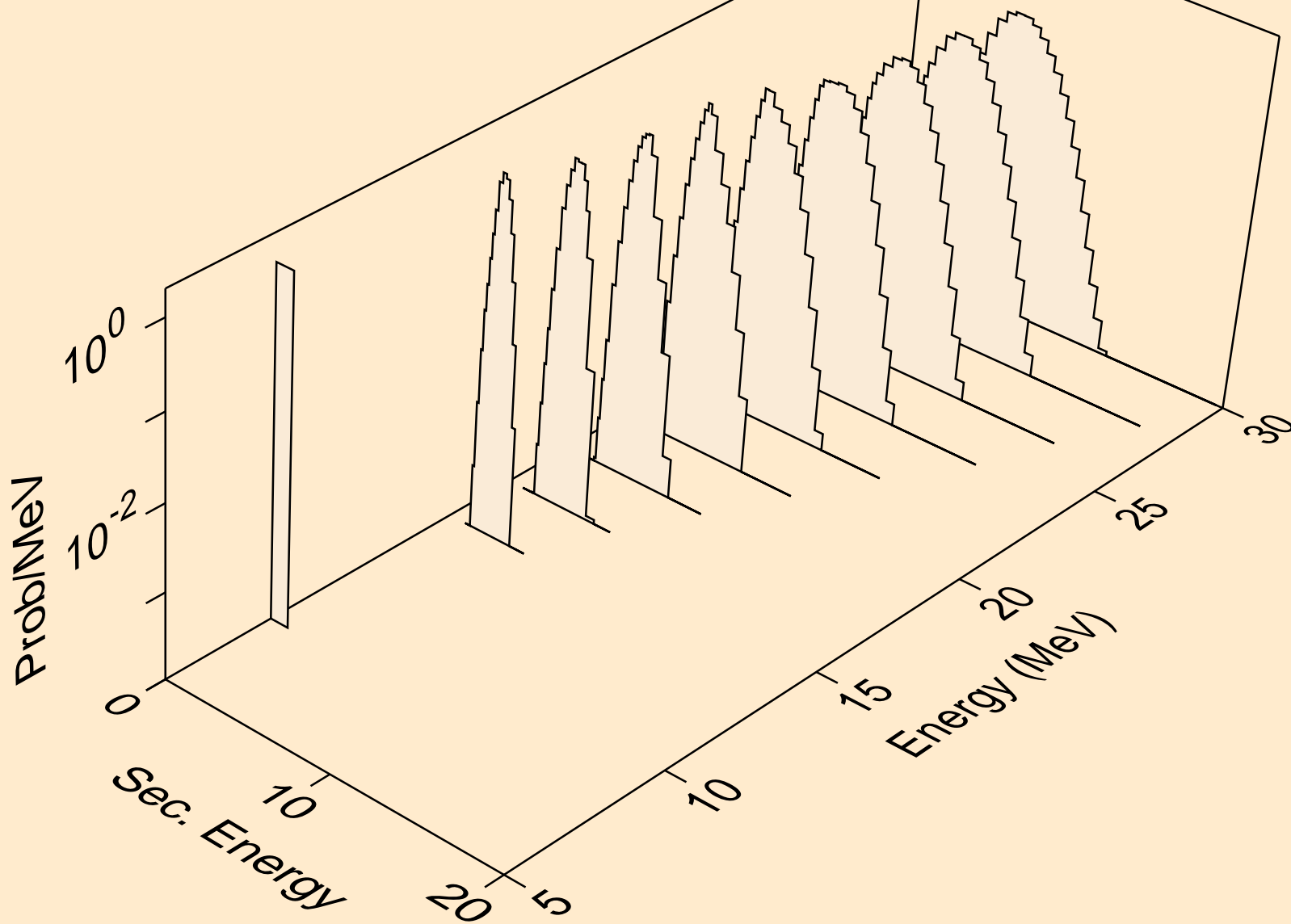
W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,2p)



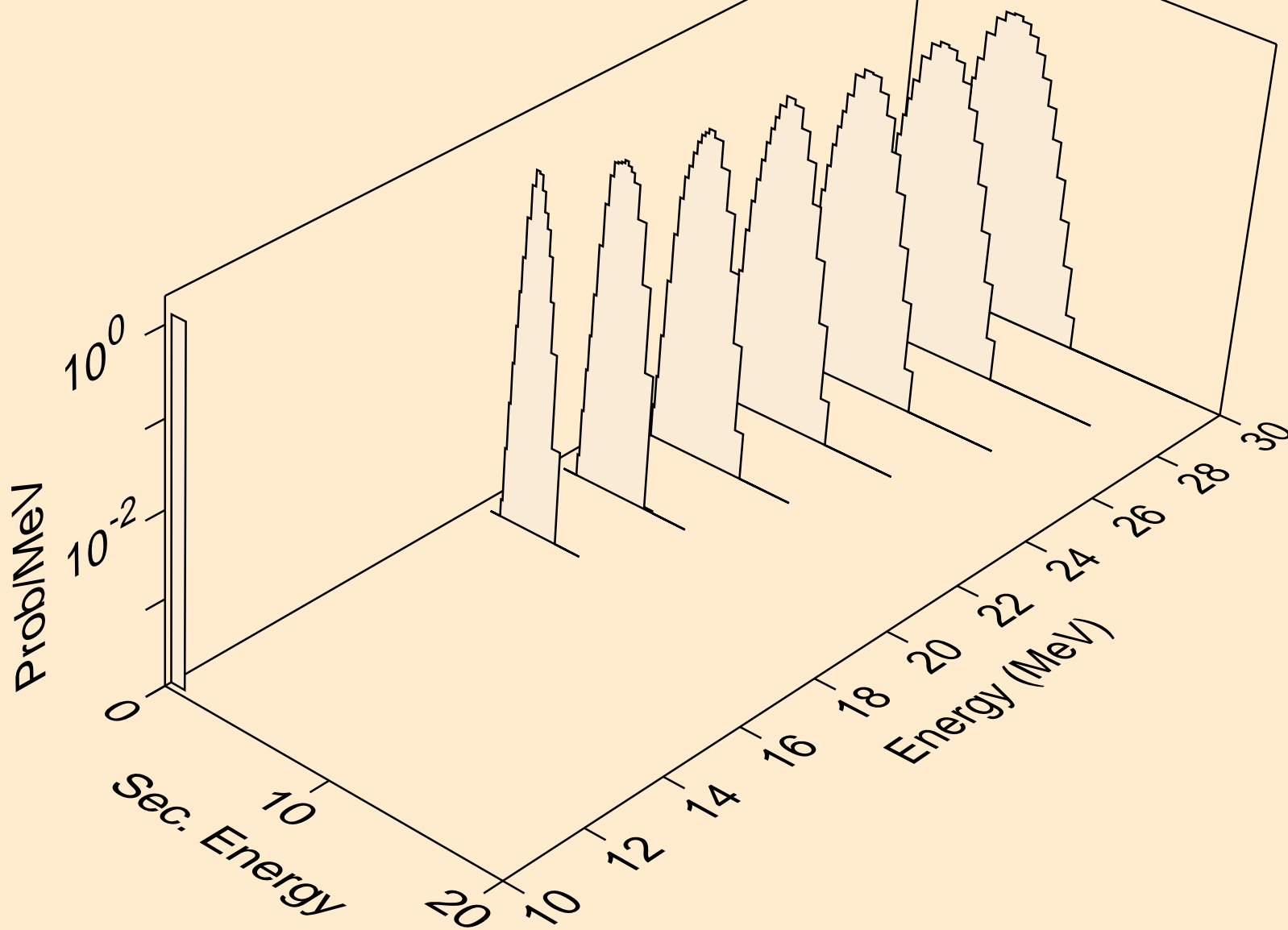
W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,p)



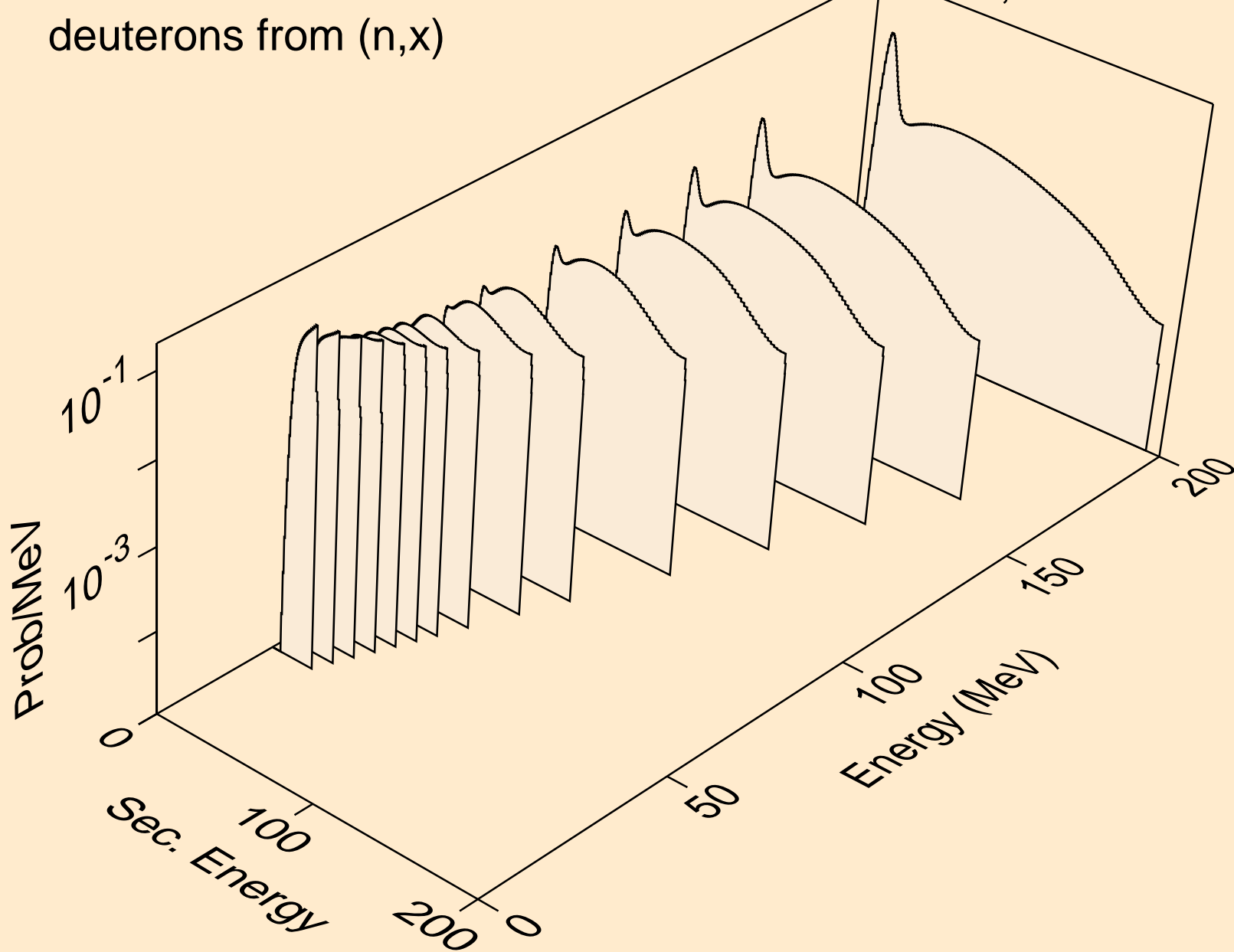
W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,pd)



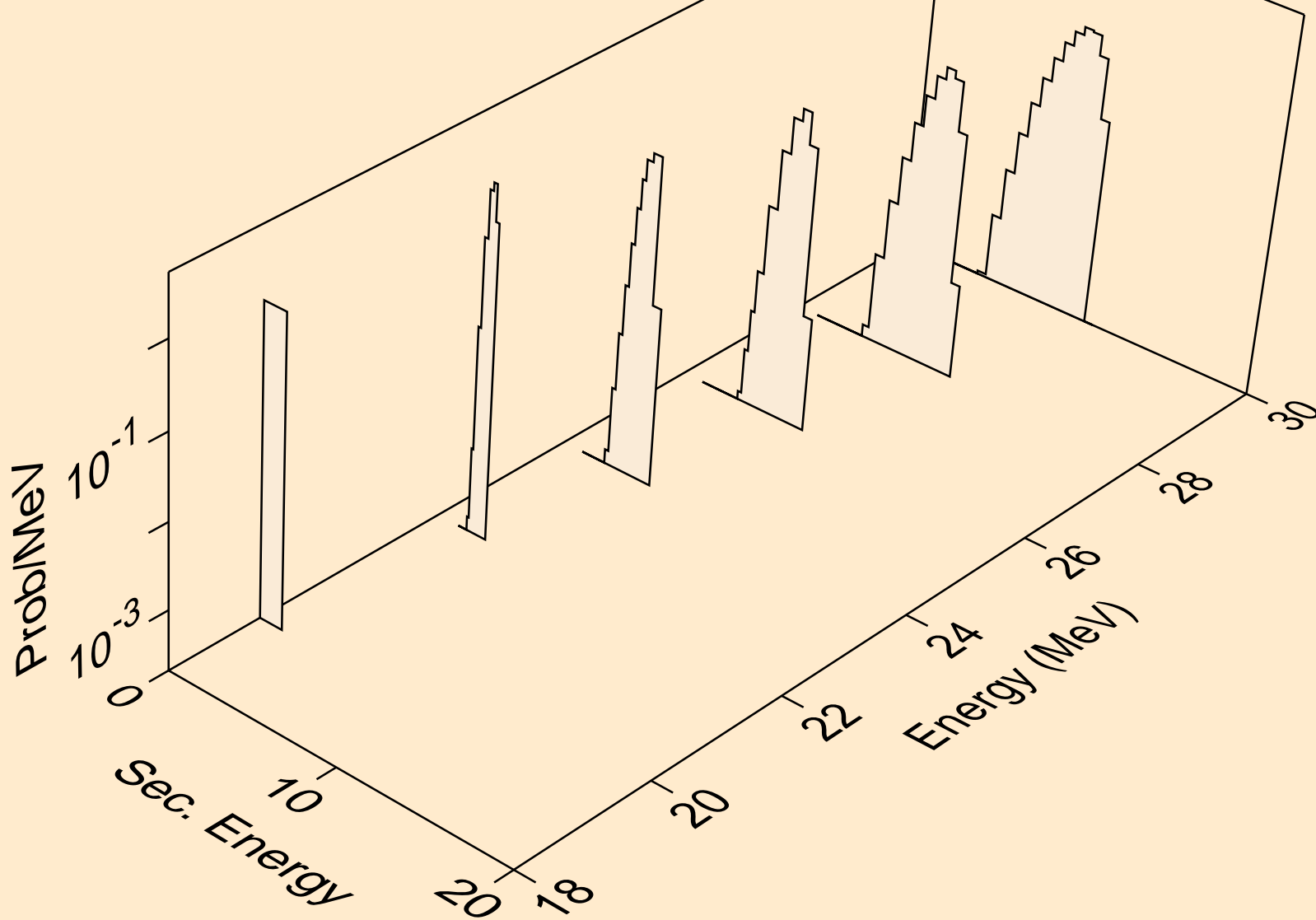
W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,pt)



W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,x)

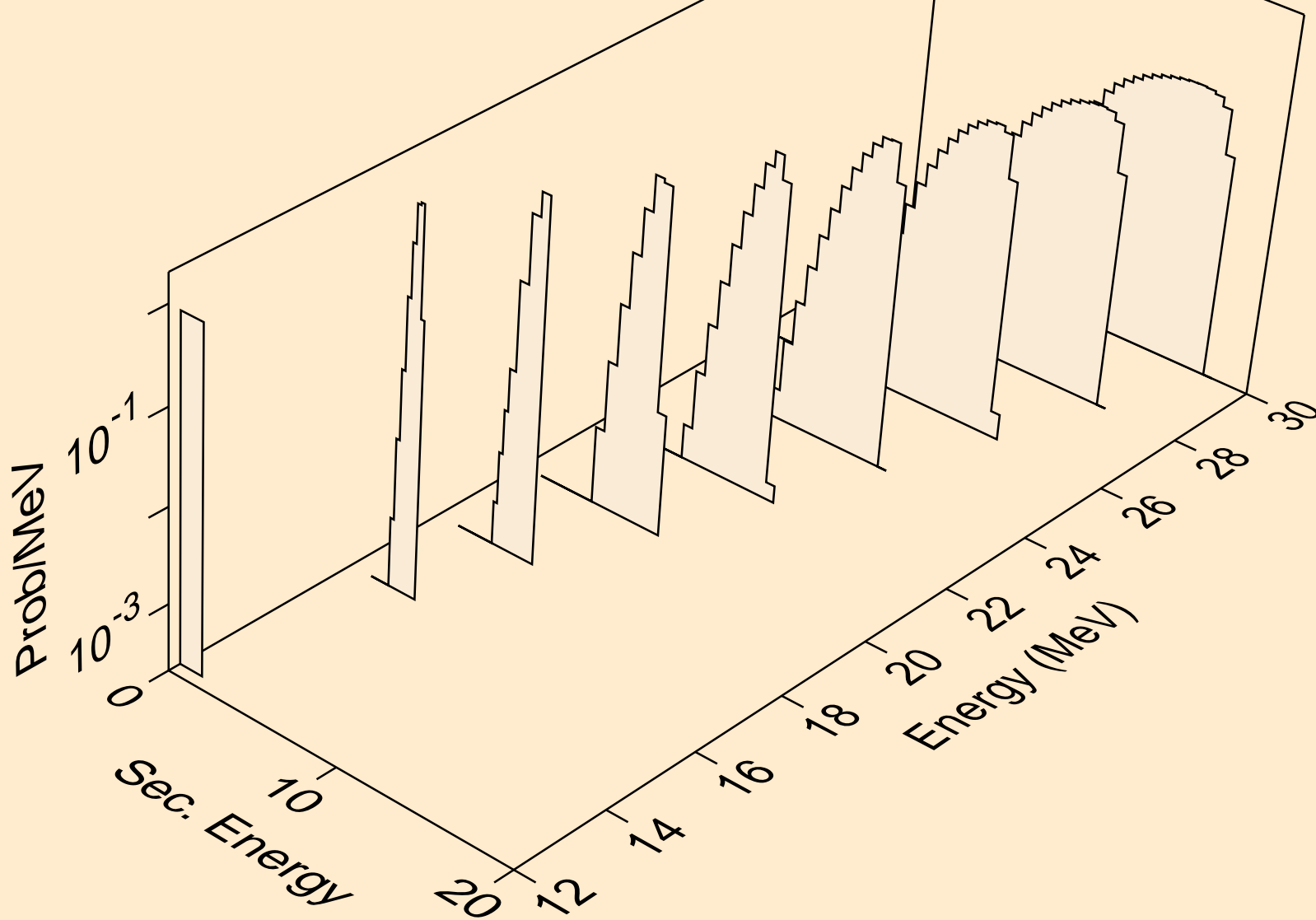


W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,2nd)

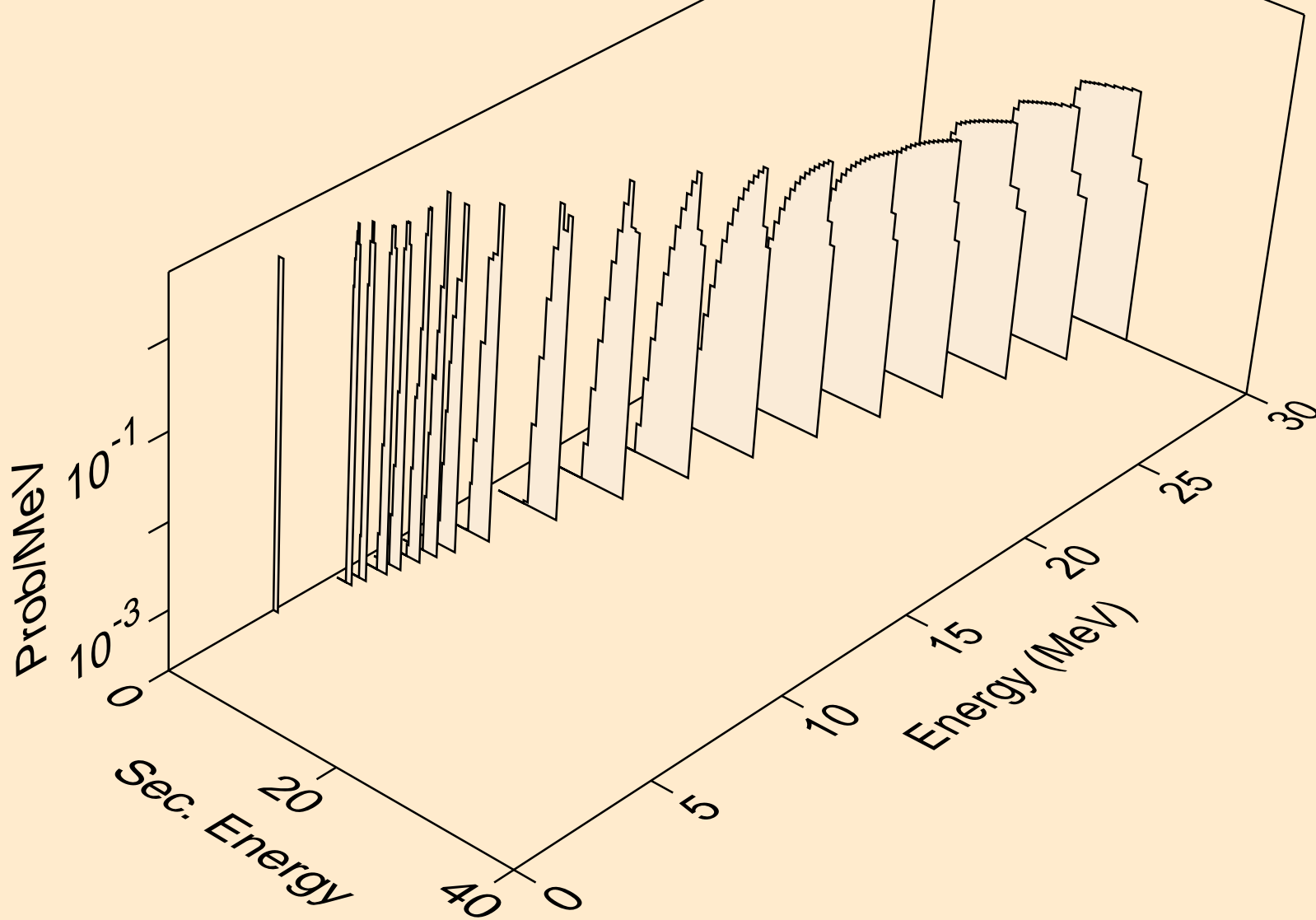




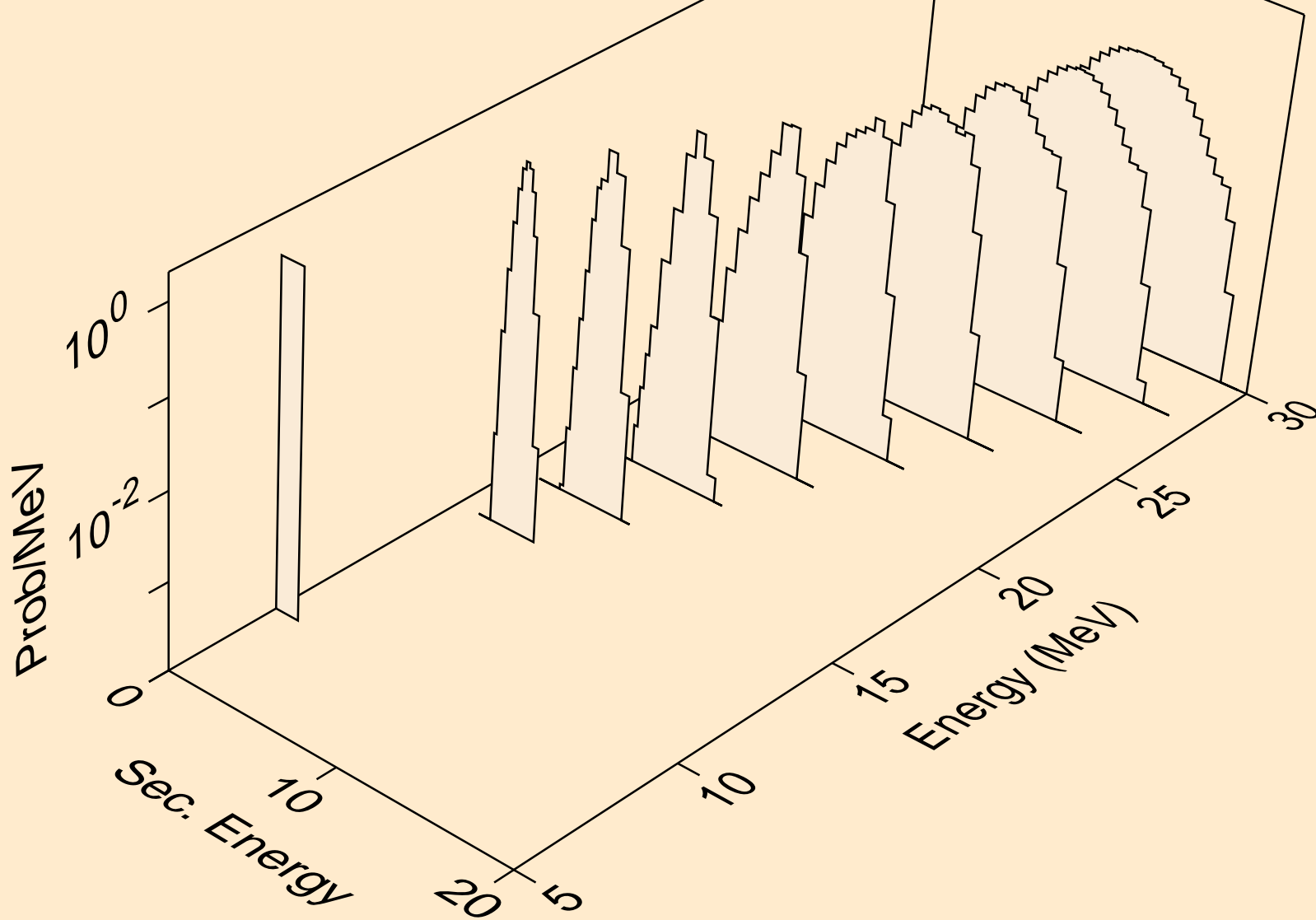
W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,n\*)d



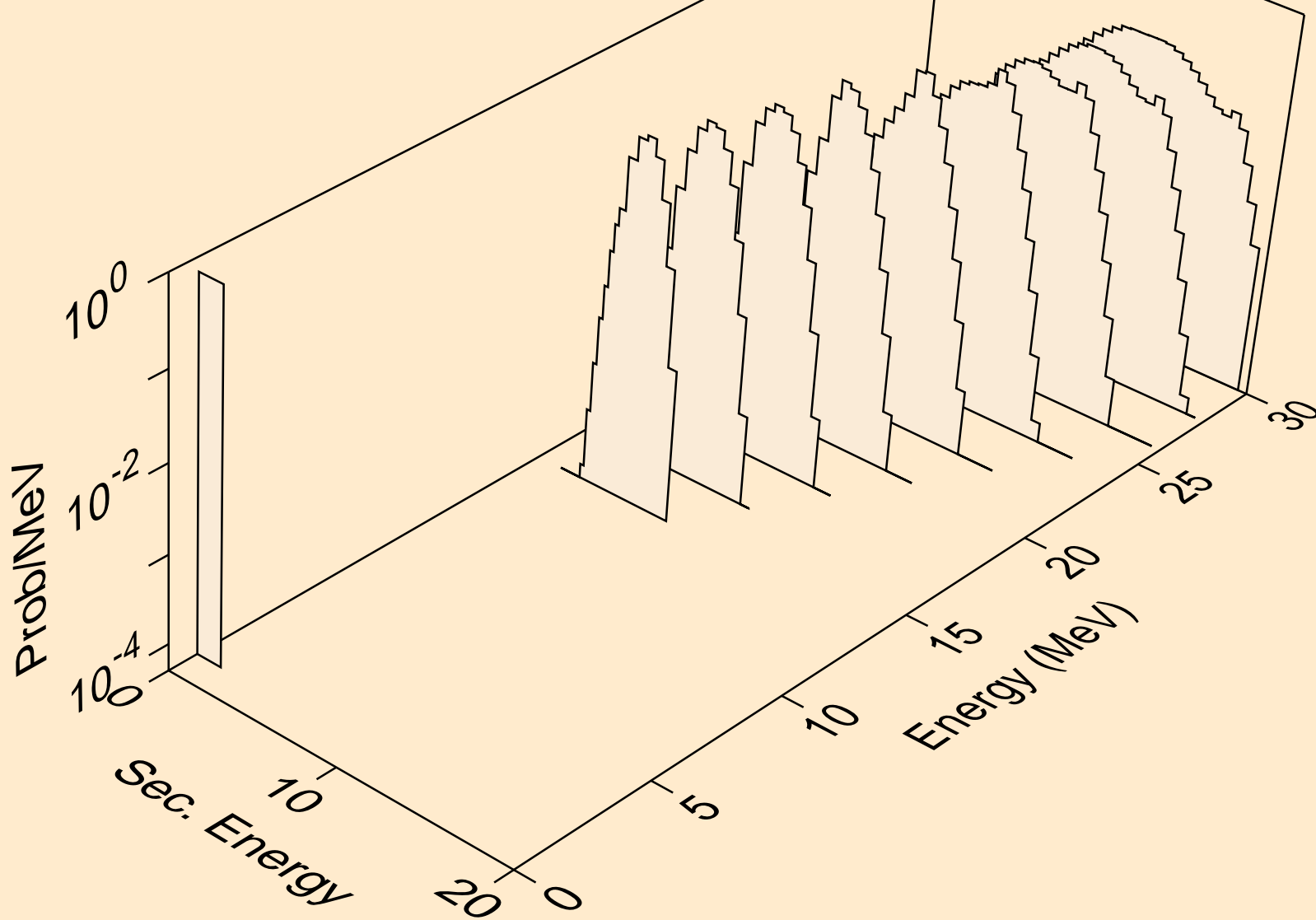
W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,d)



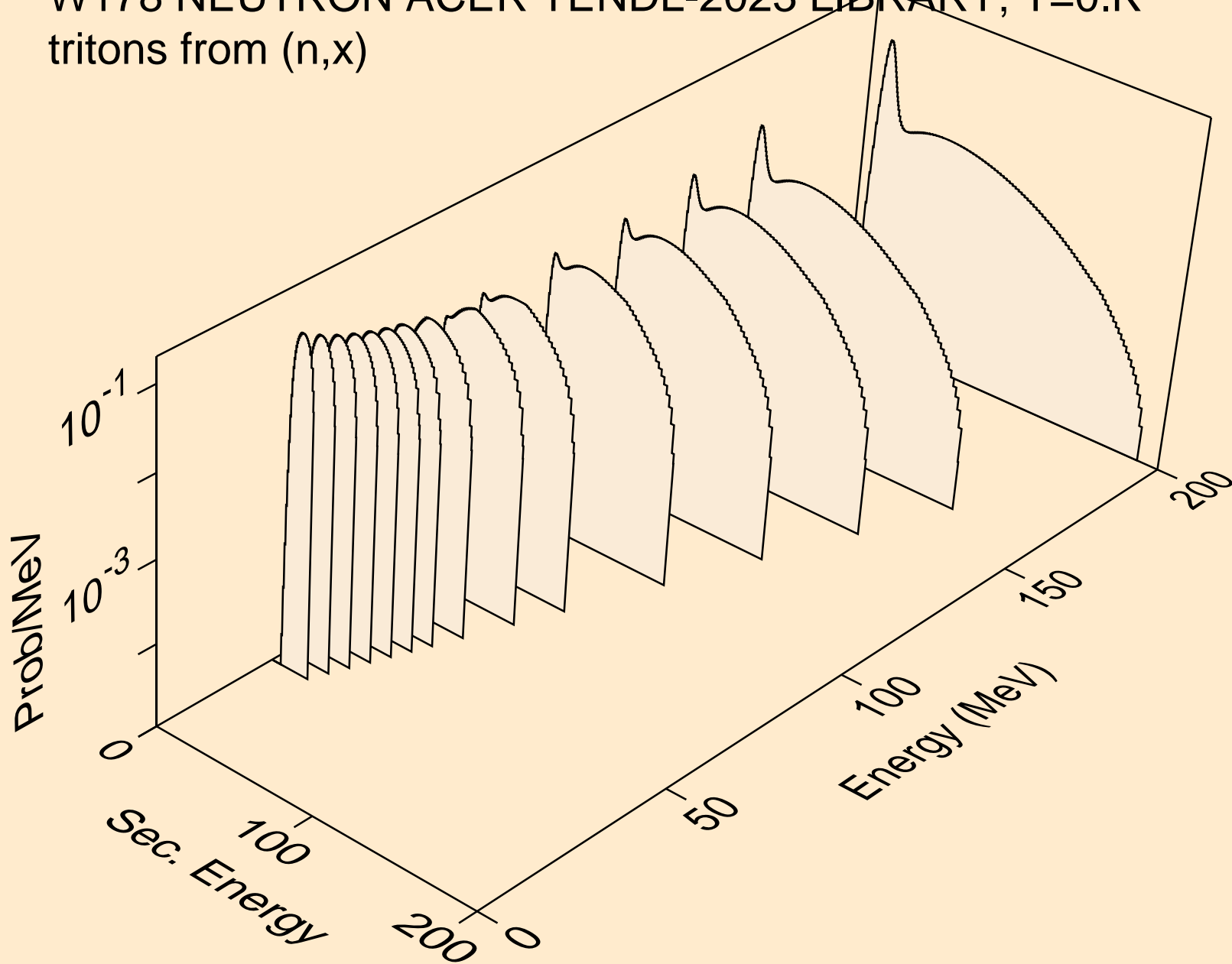
W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,pd)



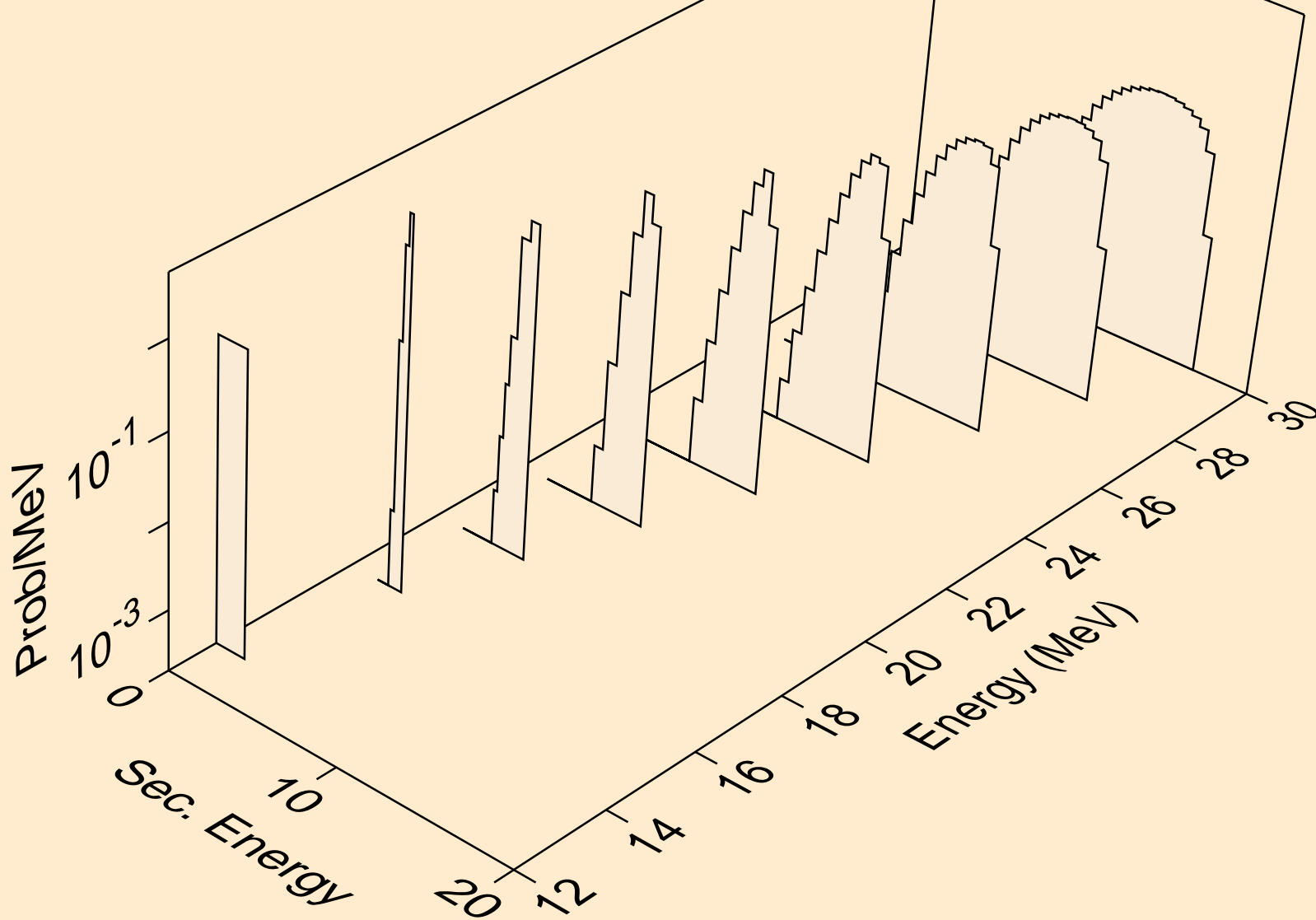
W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,da)



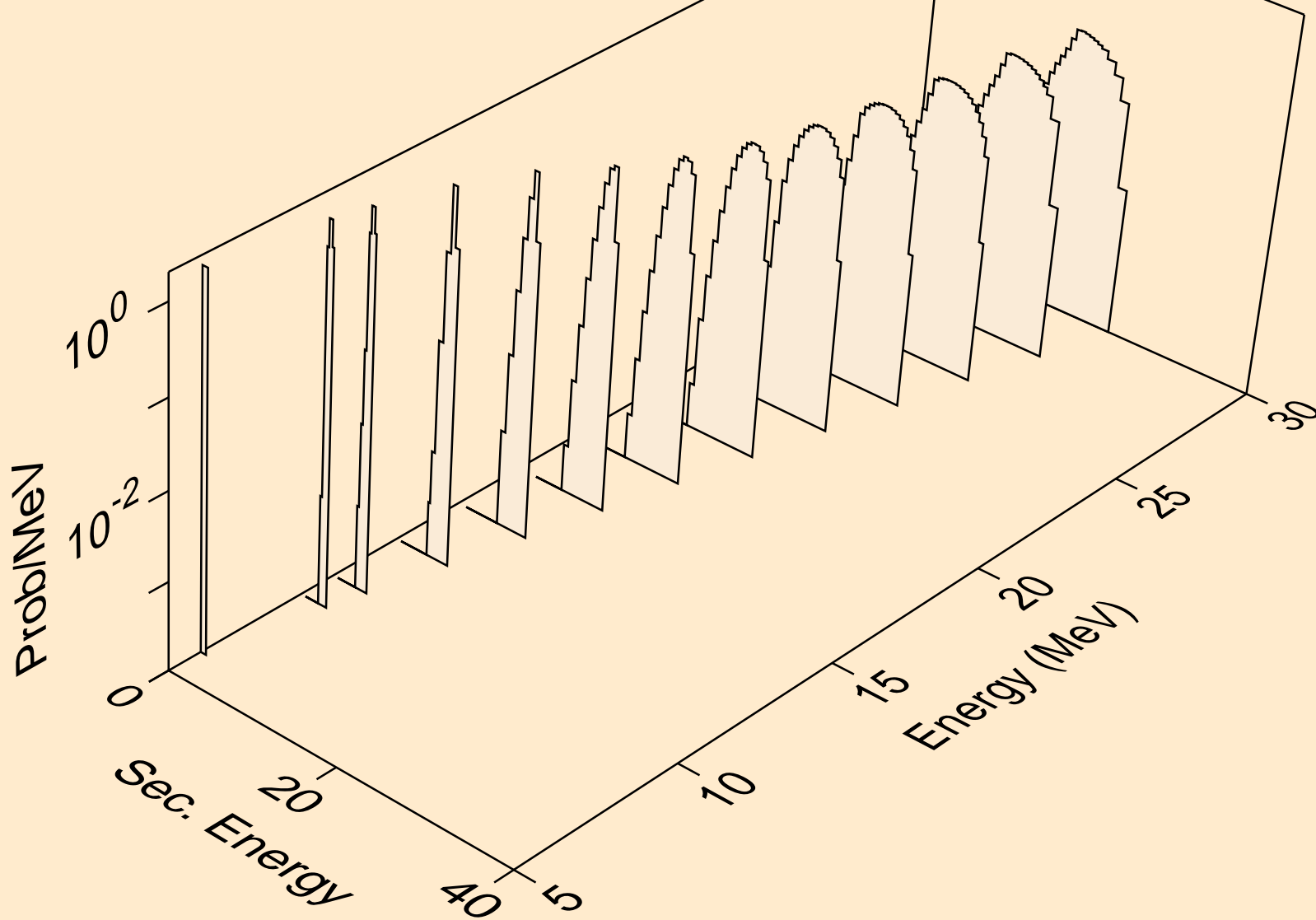
W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,x)



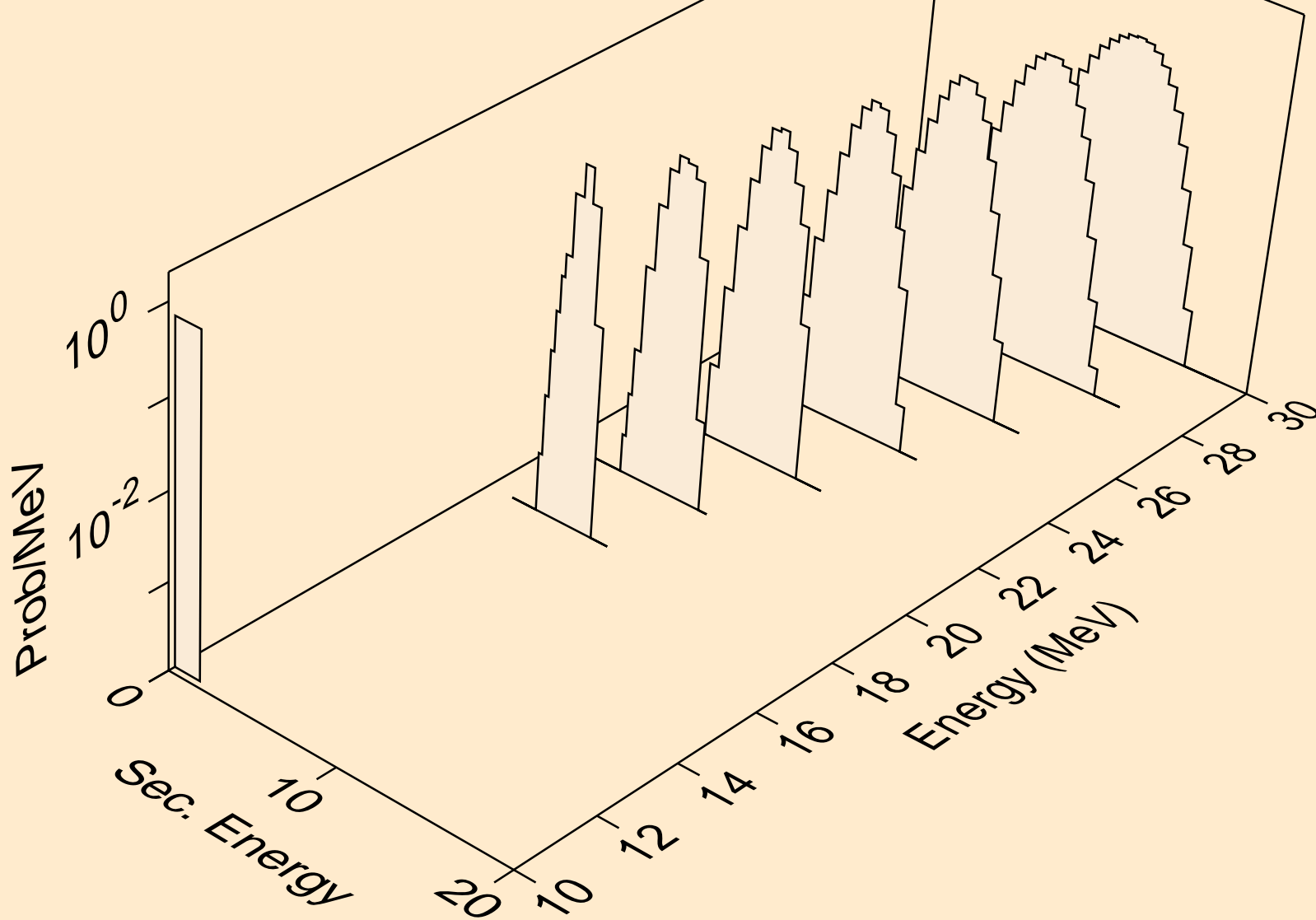
W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,n\*)t



W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,t)

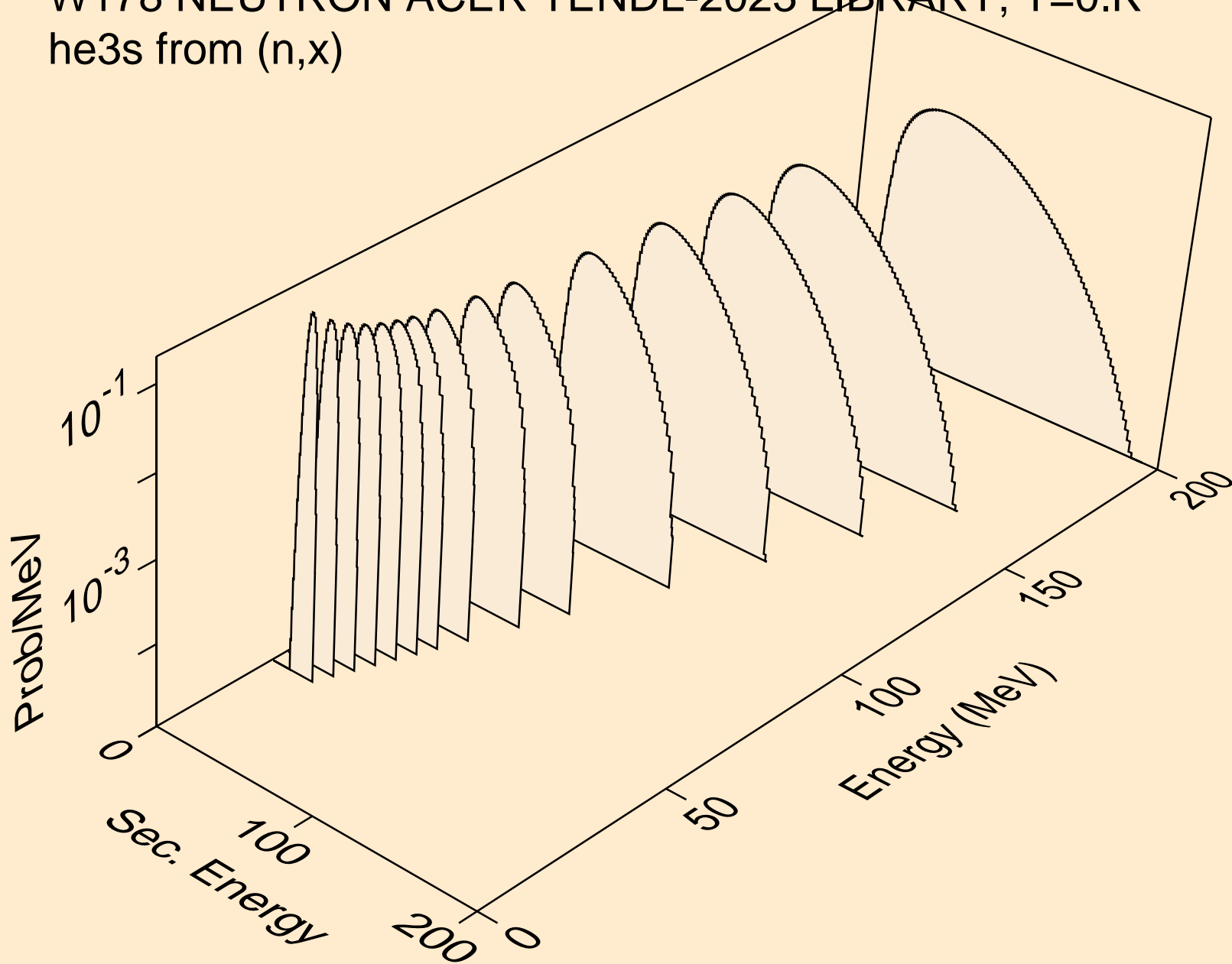


W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,pt)

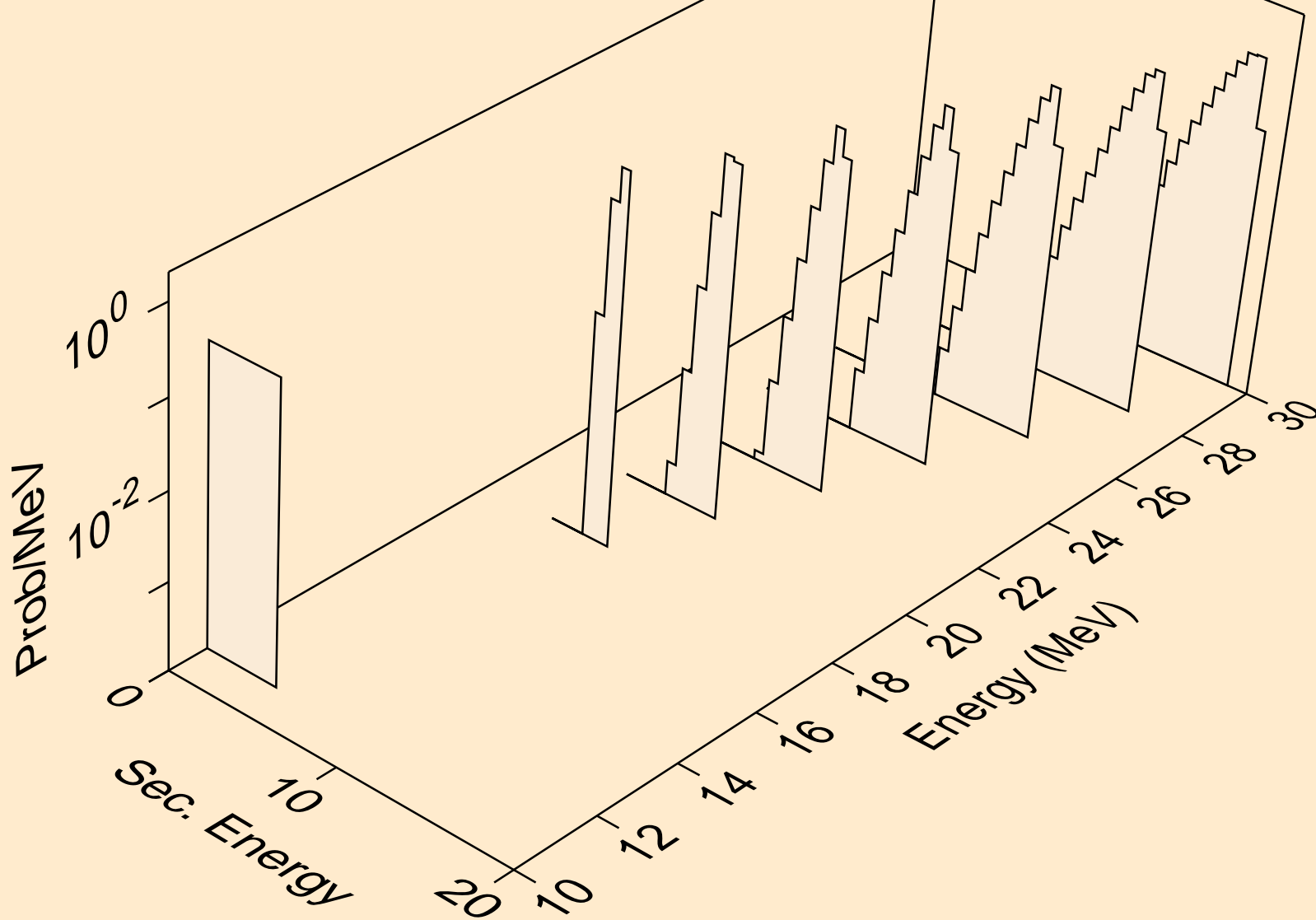




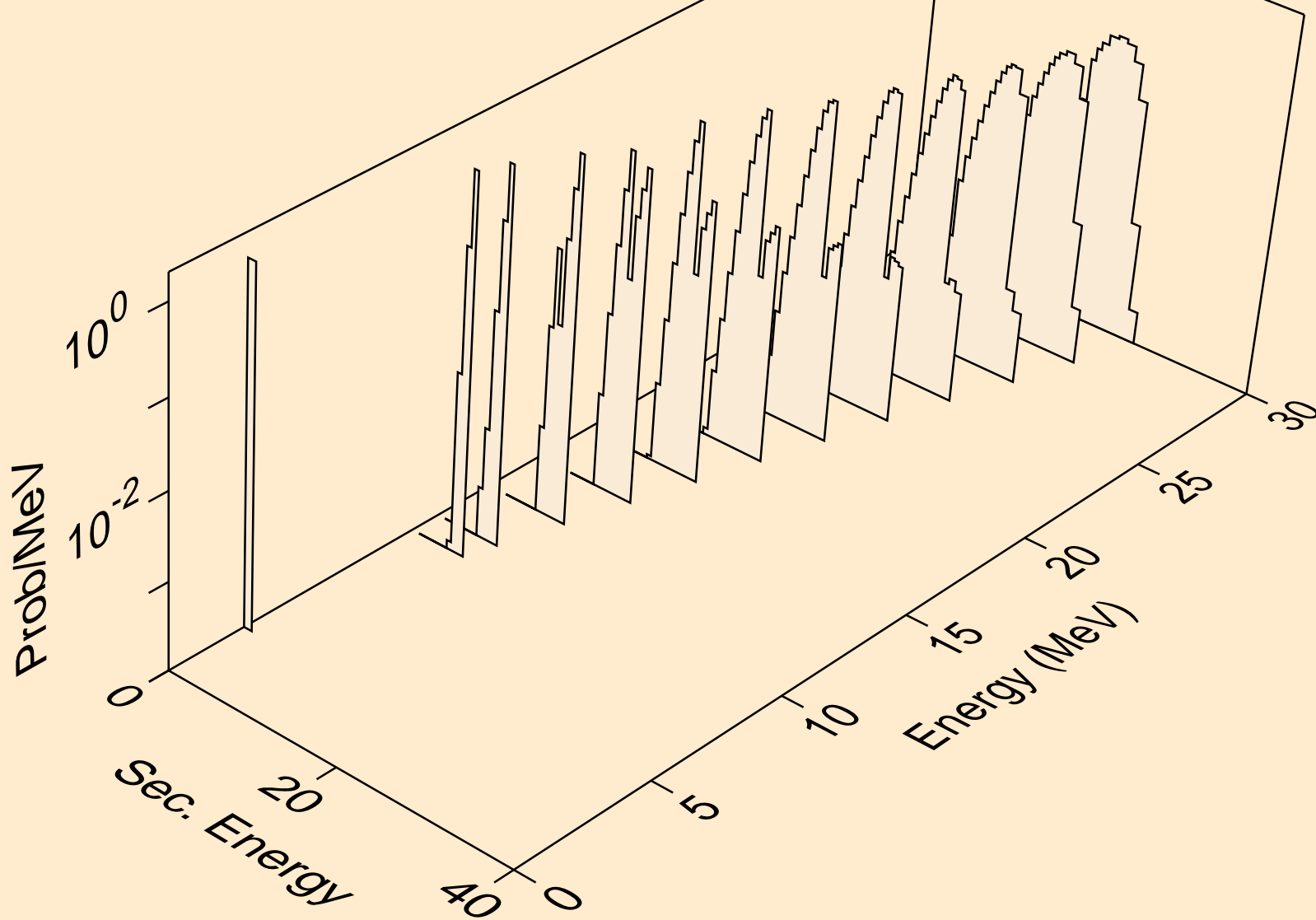
W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,x)



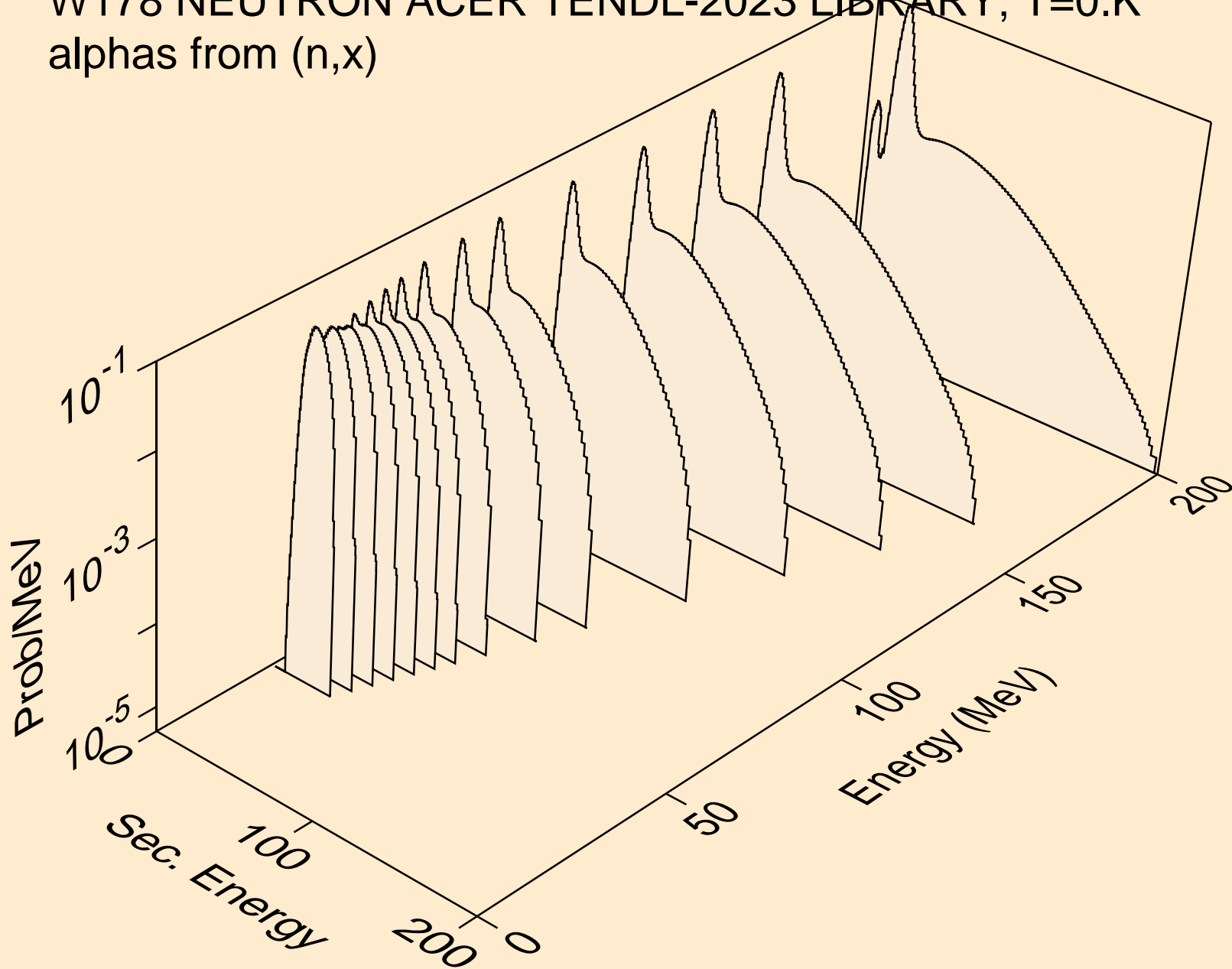
W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,n\*)he3



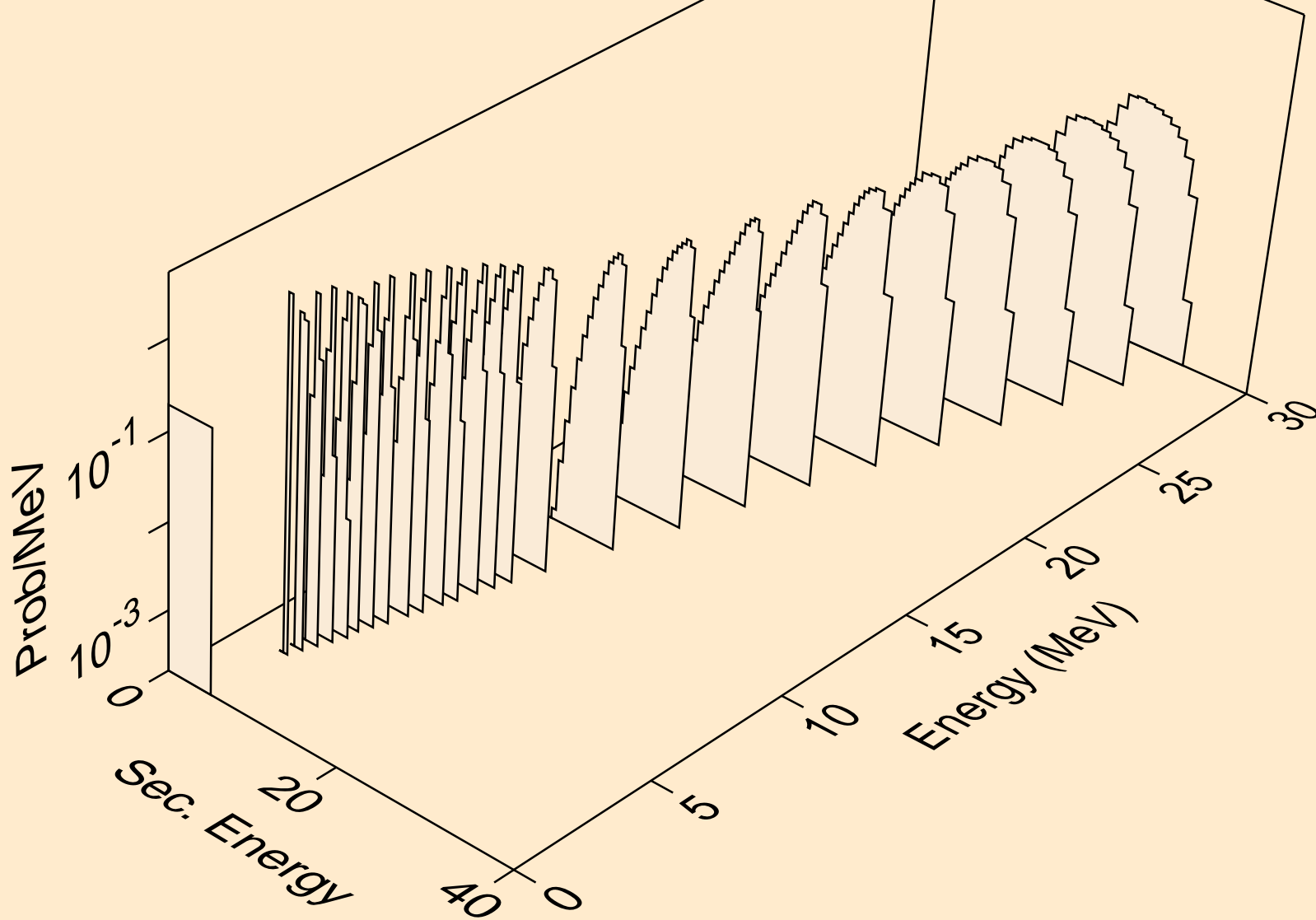
W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,he3)



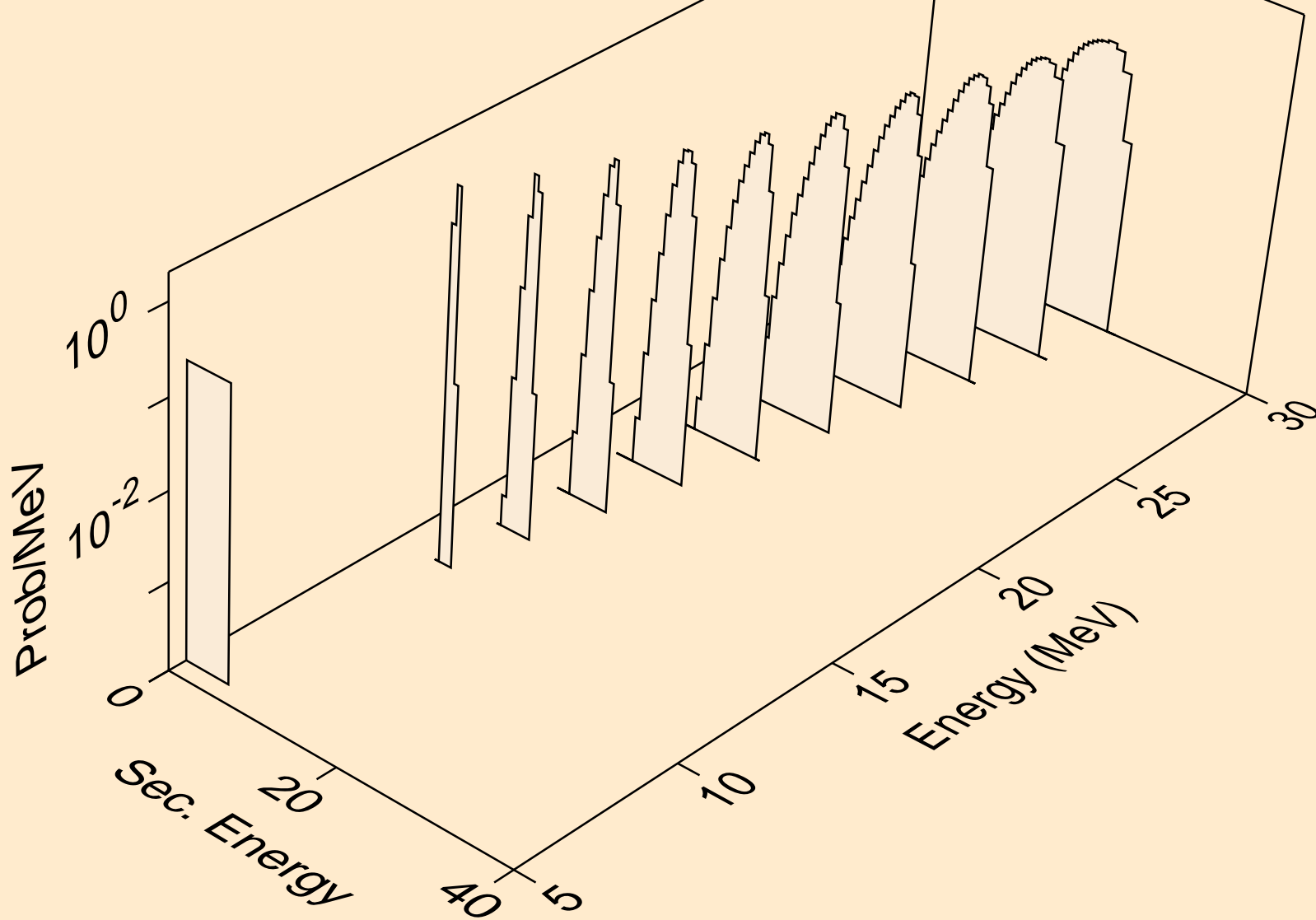
W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,x)



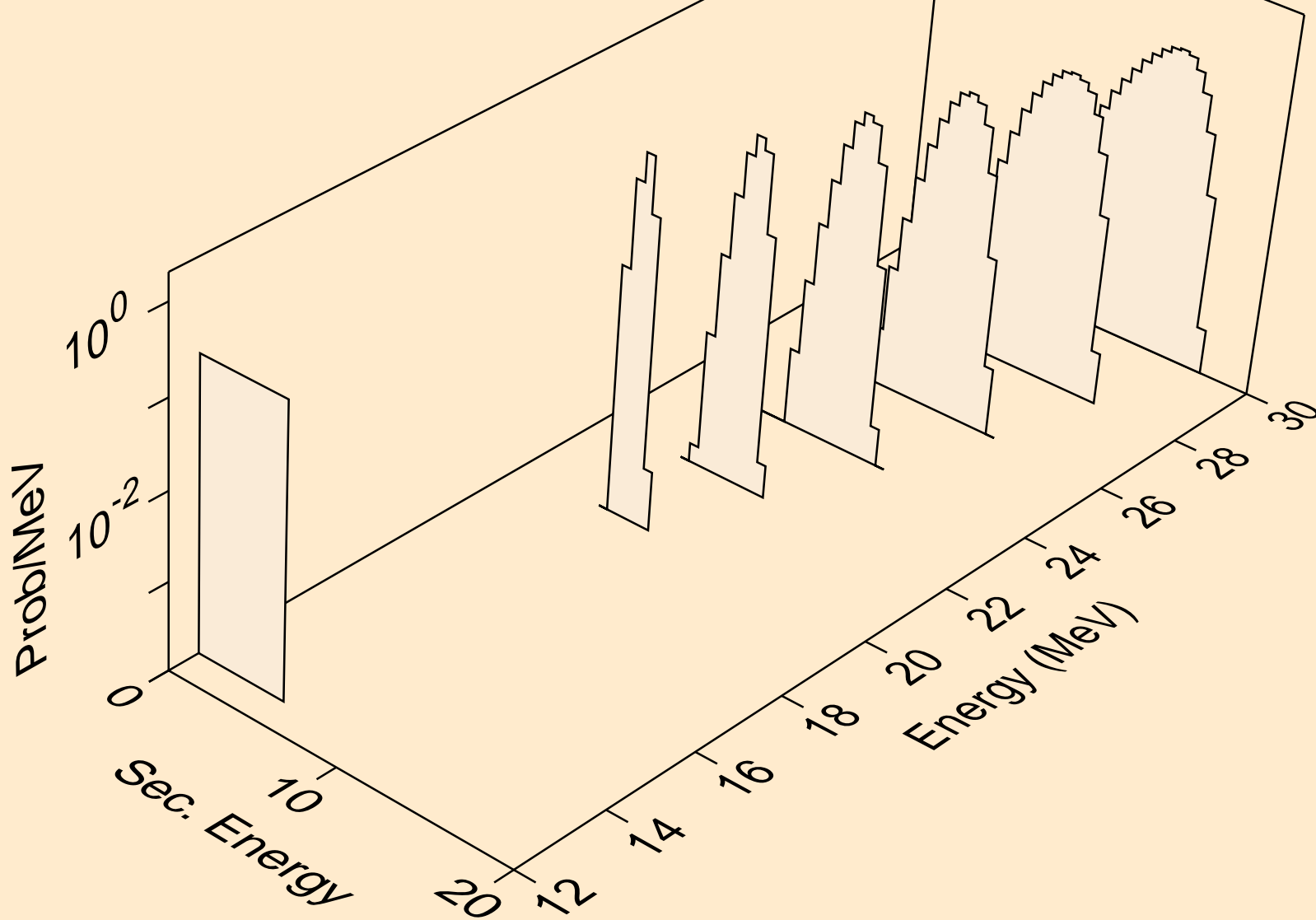
W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)a



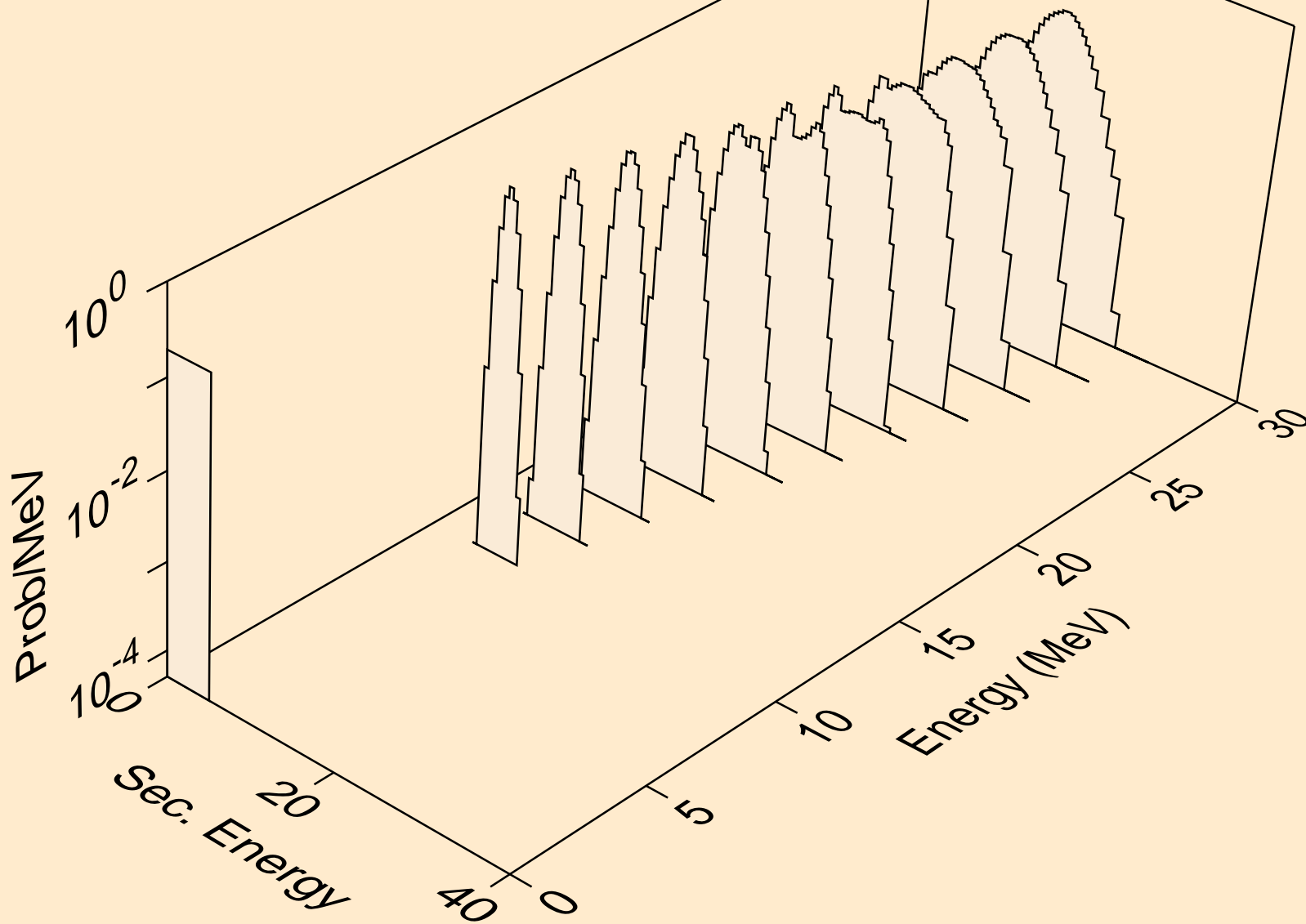
W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2n)a



W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,3n)a

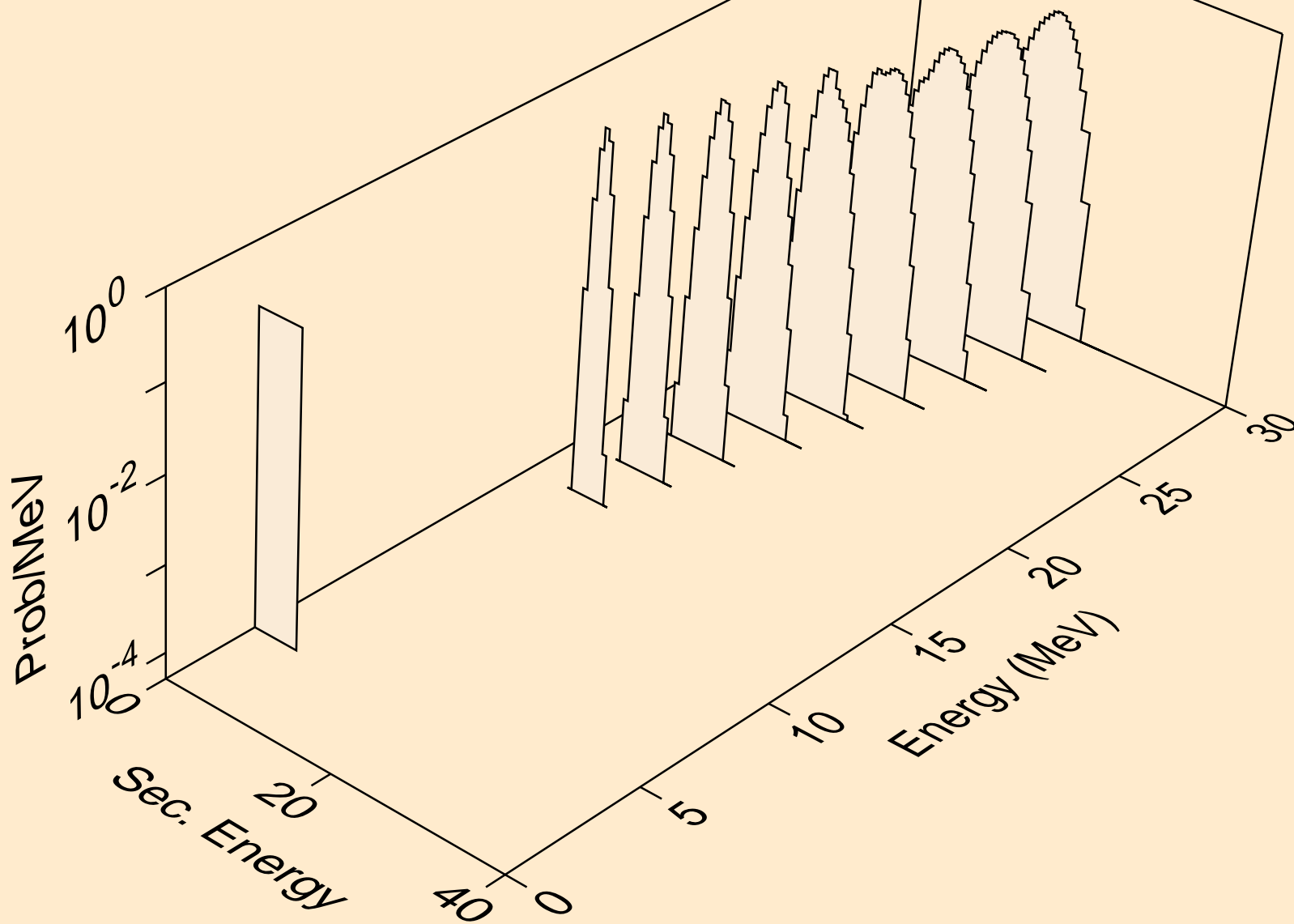


W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)2a

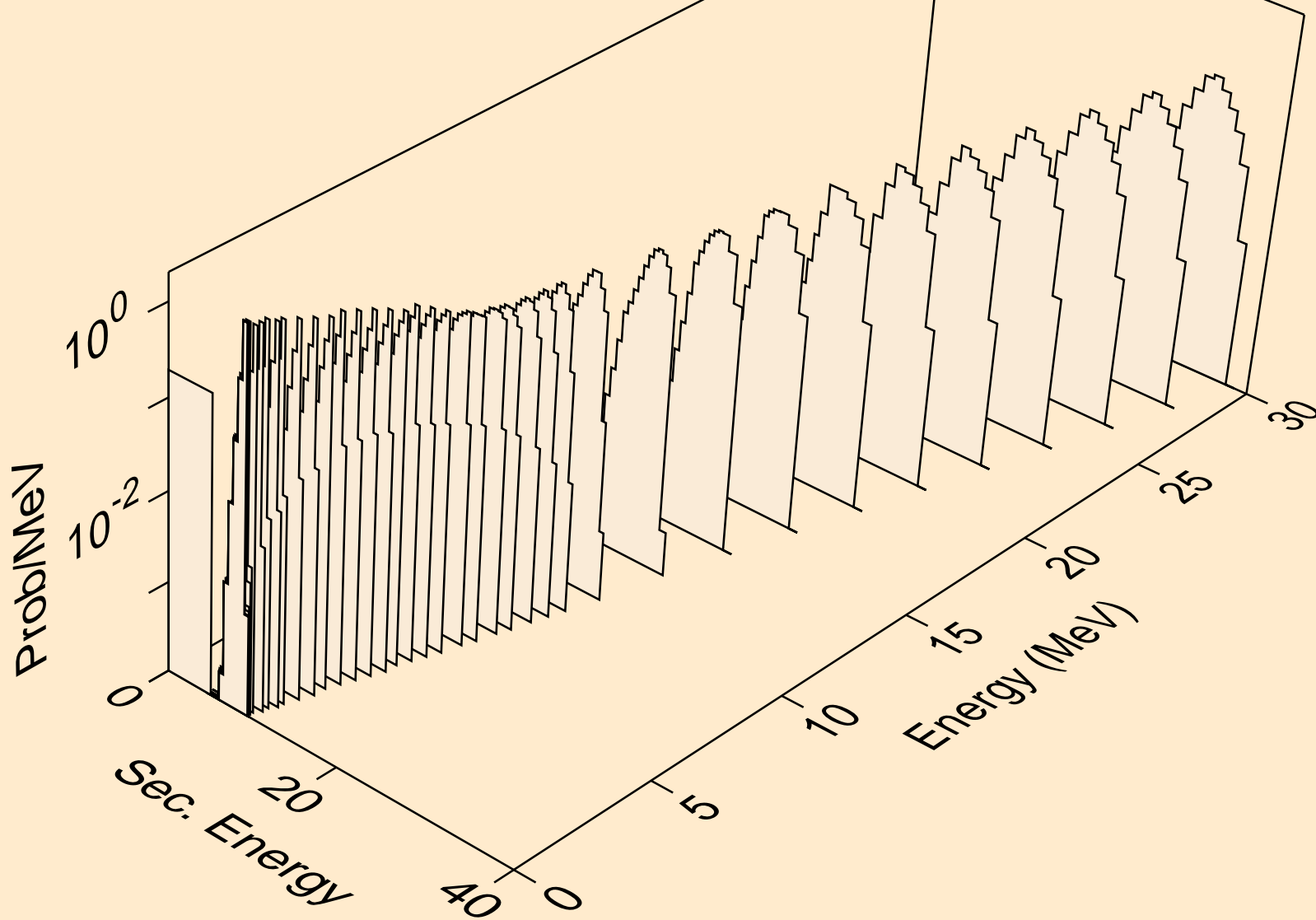




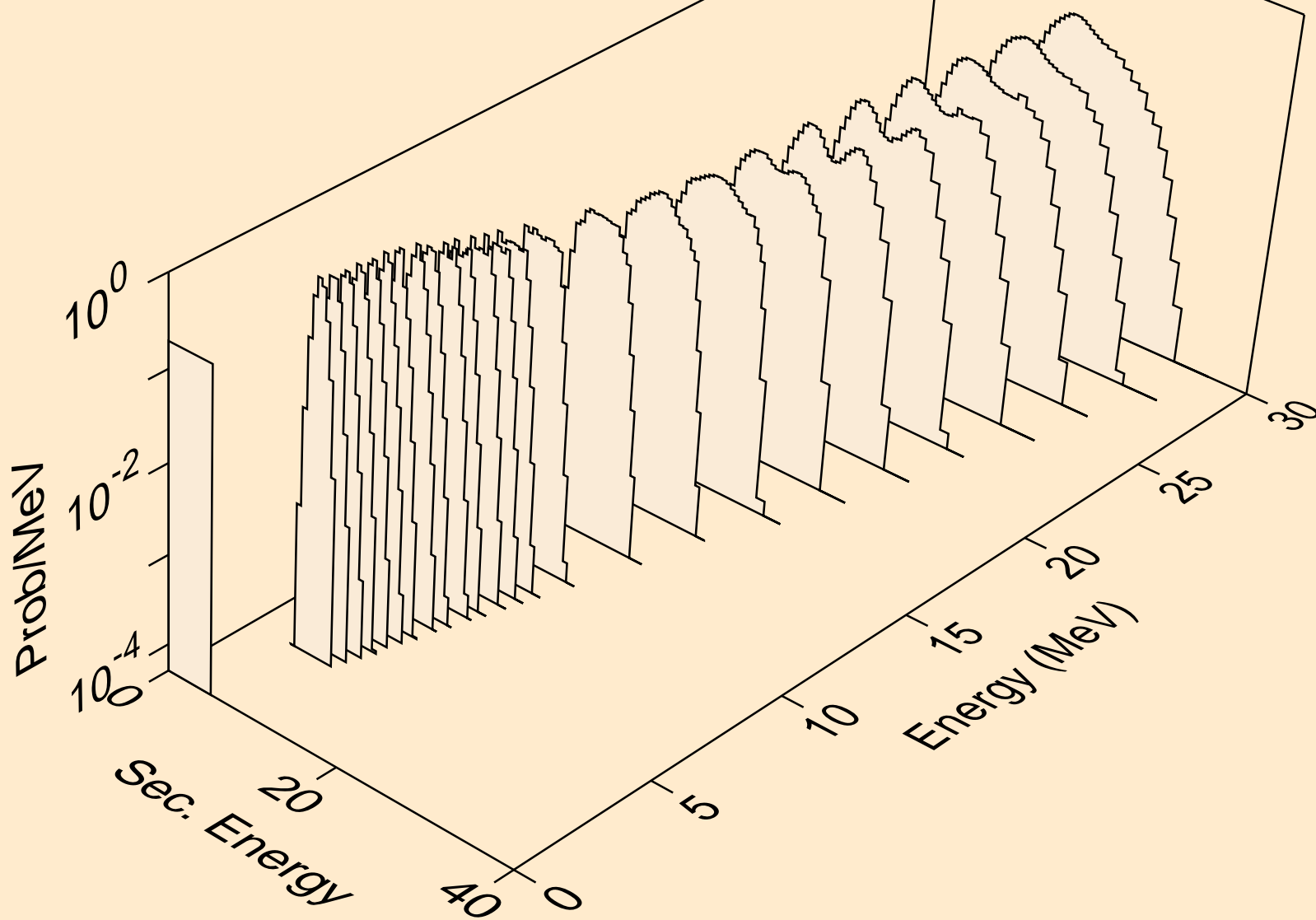
W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,npa)



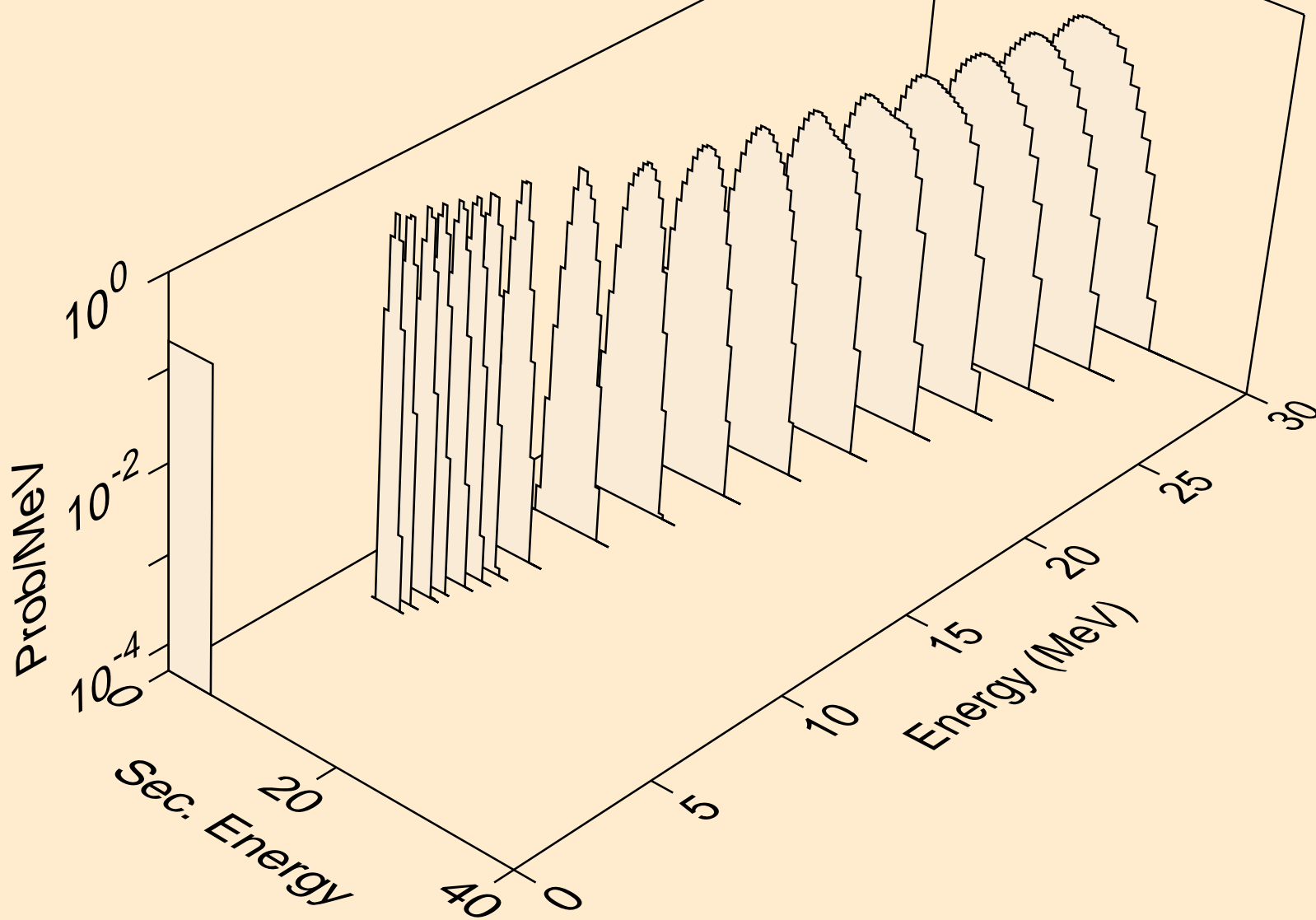
W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,a)



W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2a)



W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,pa)



W178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,da)

