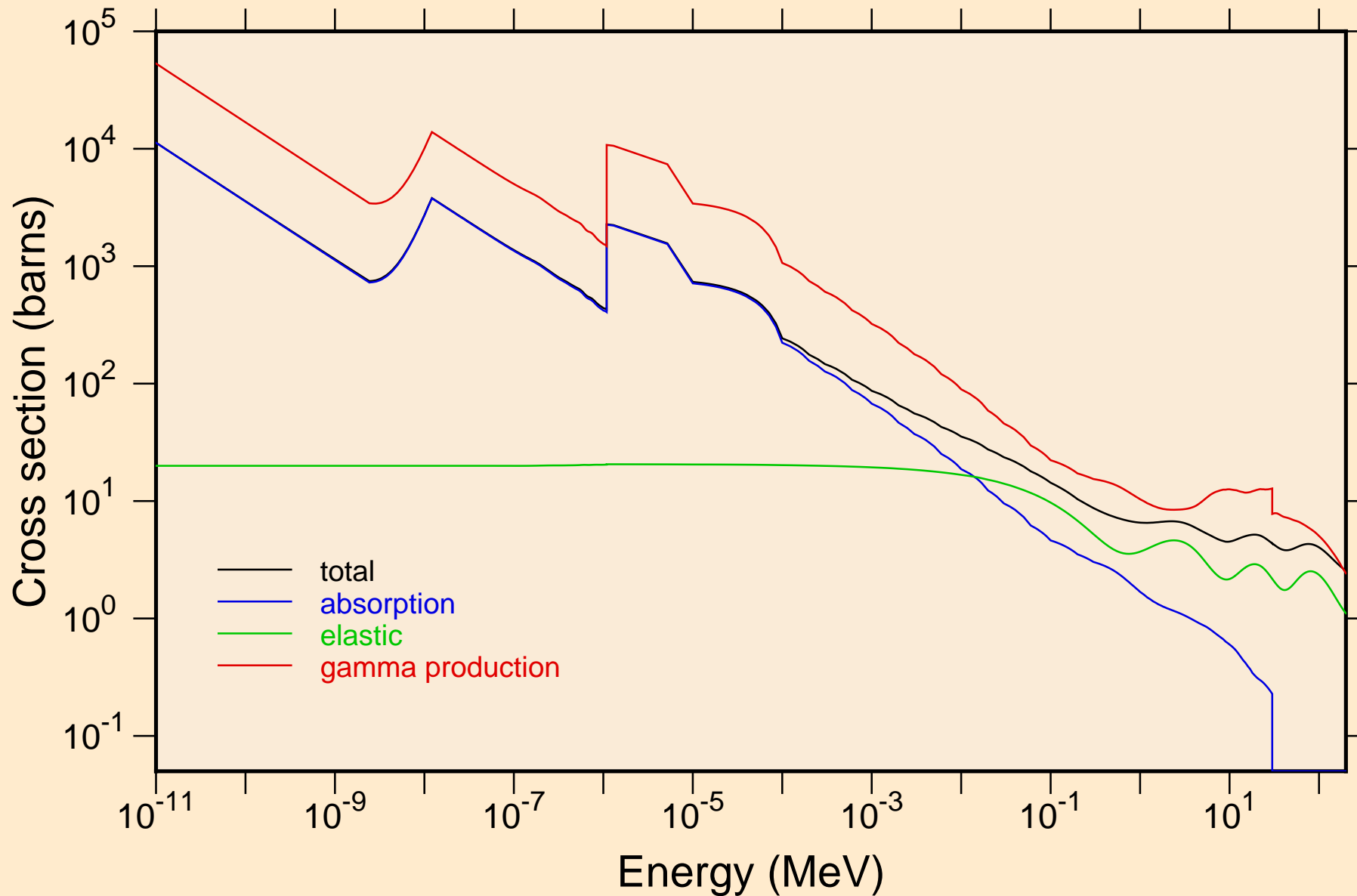


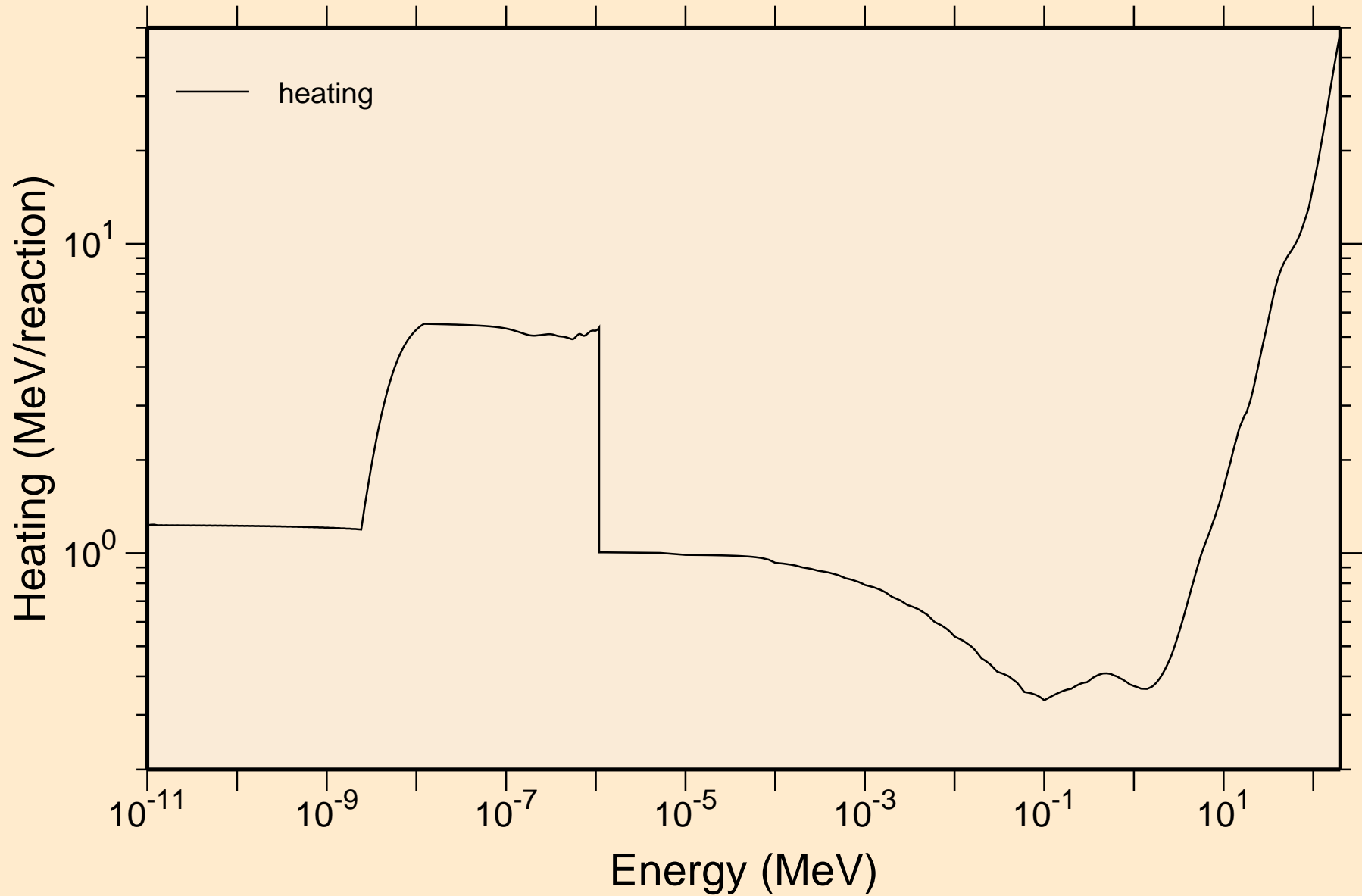
# TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections

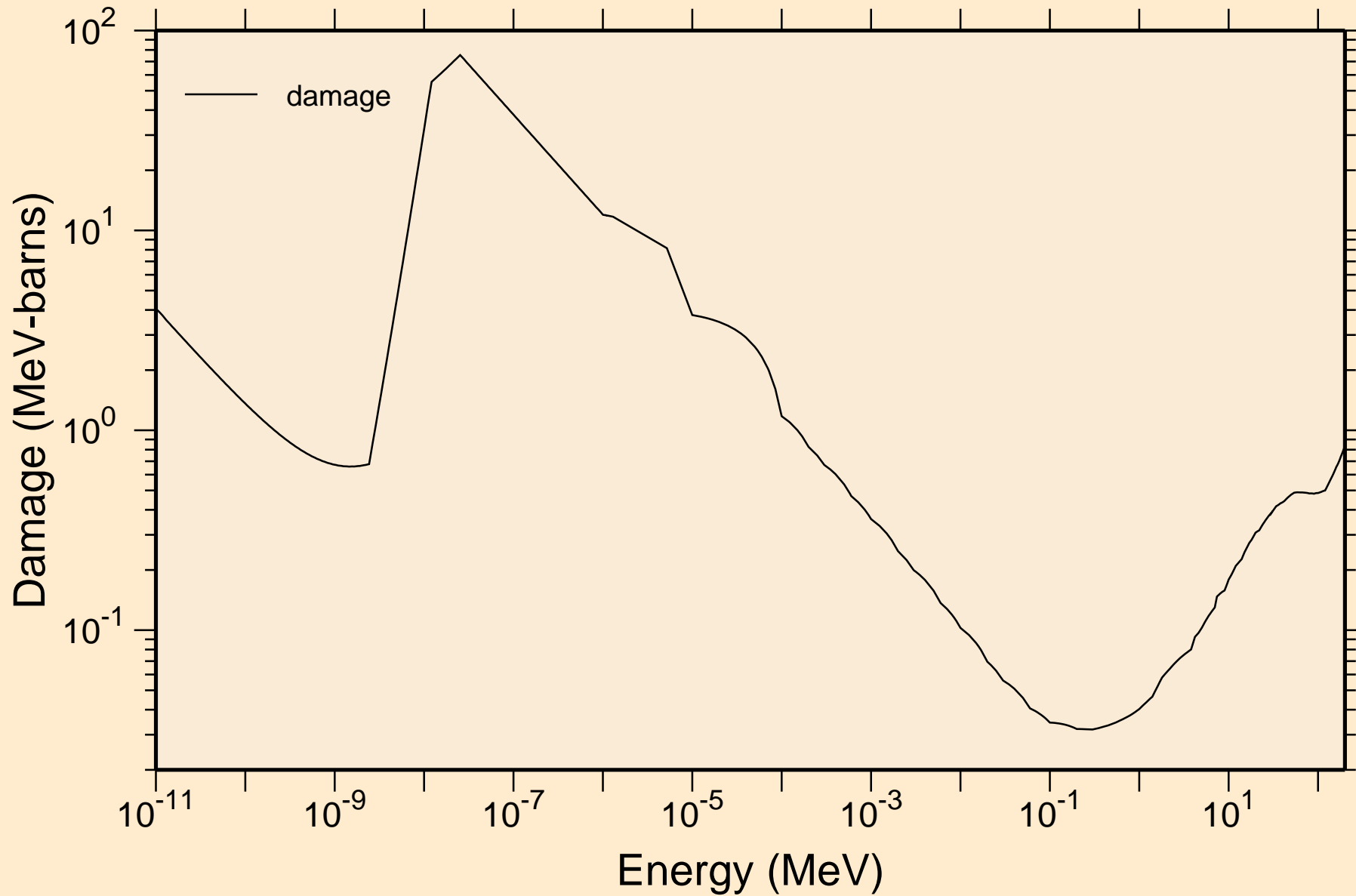


# TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

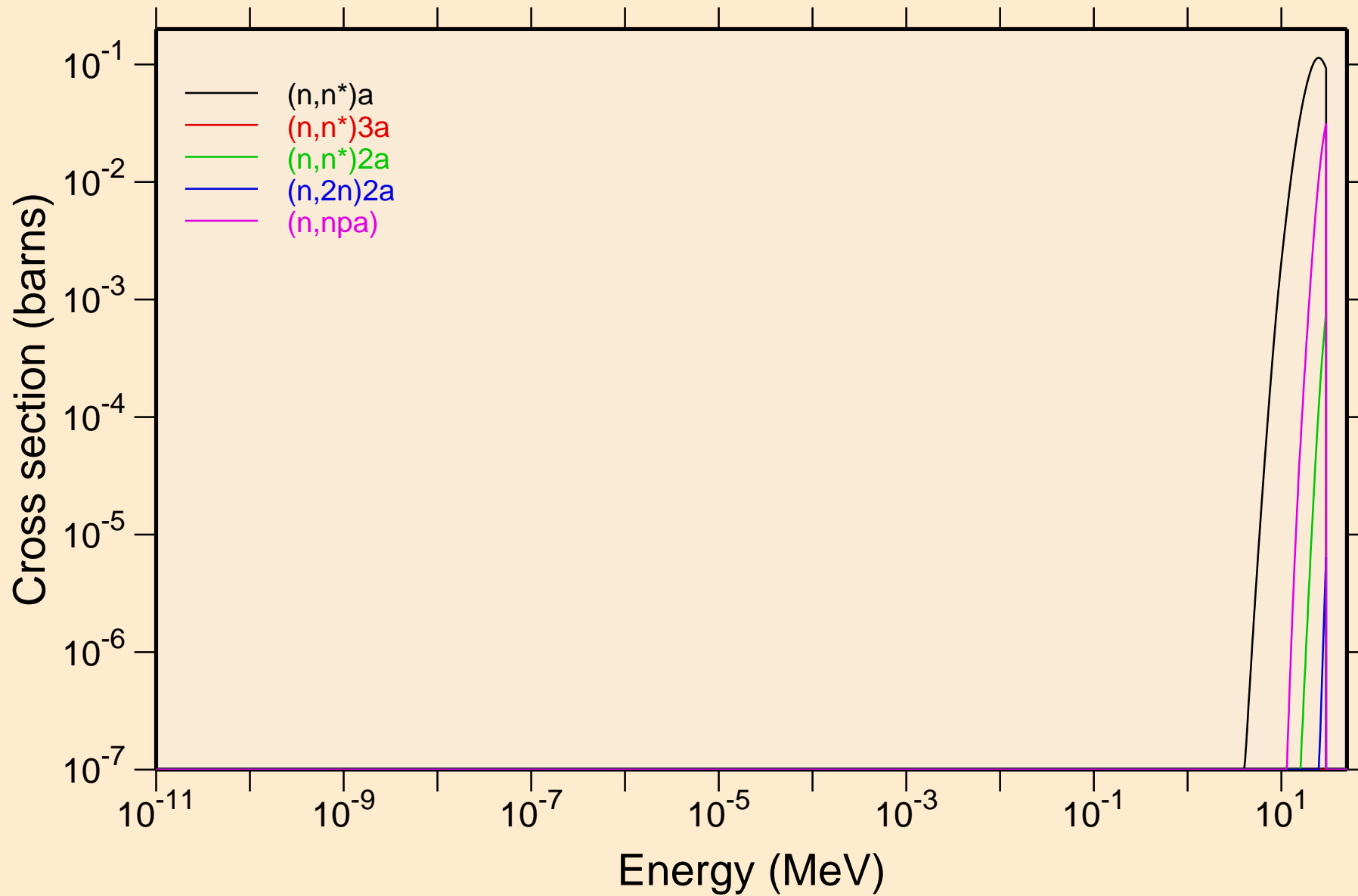
## Heating



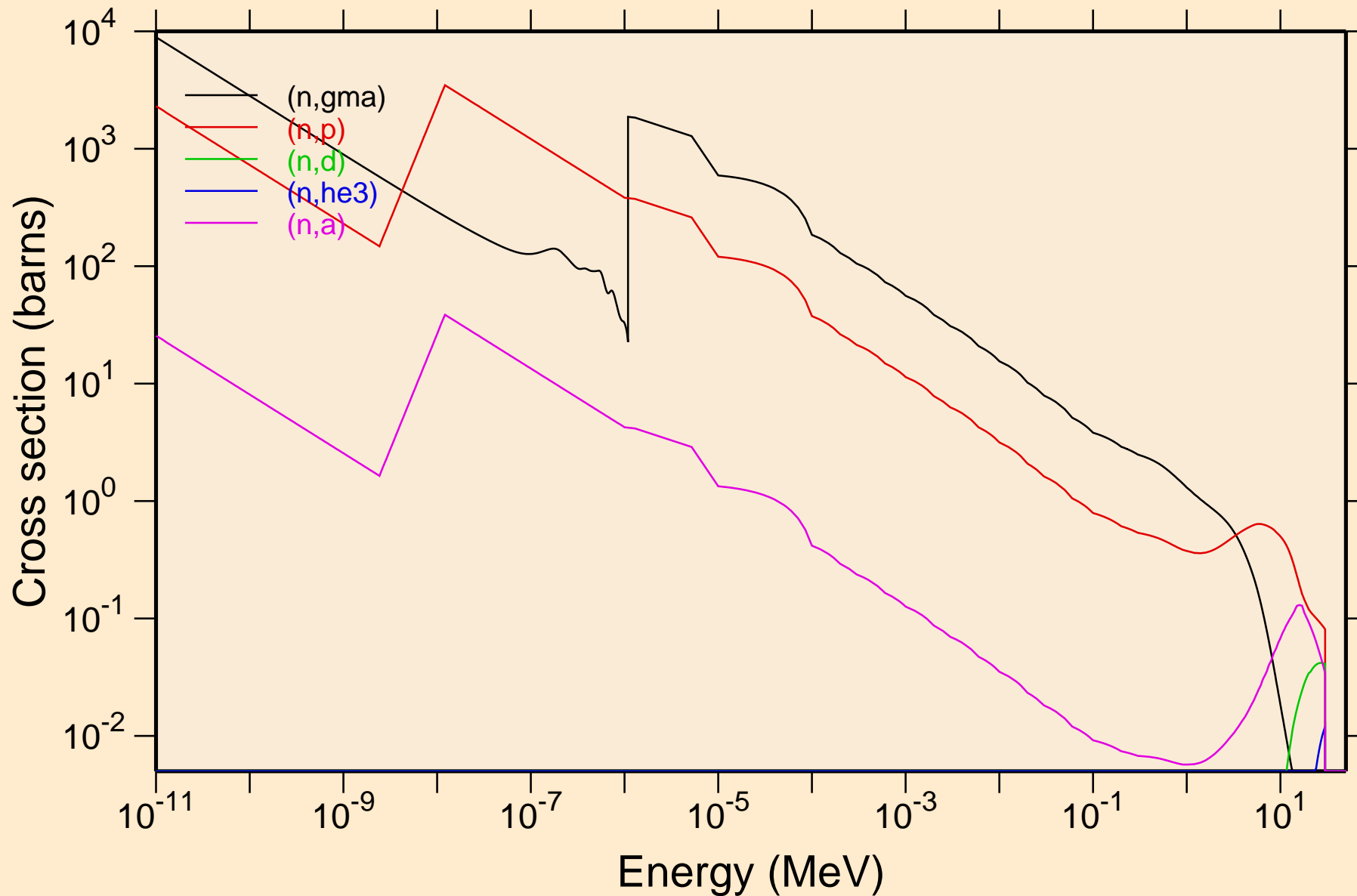
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Damage



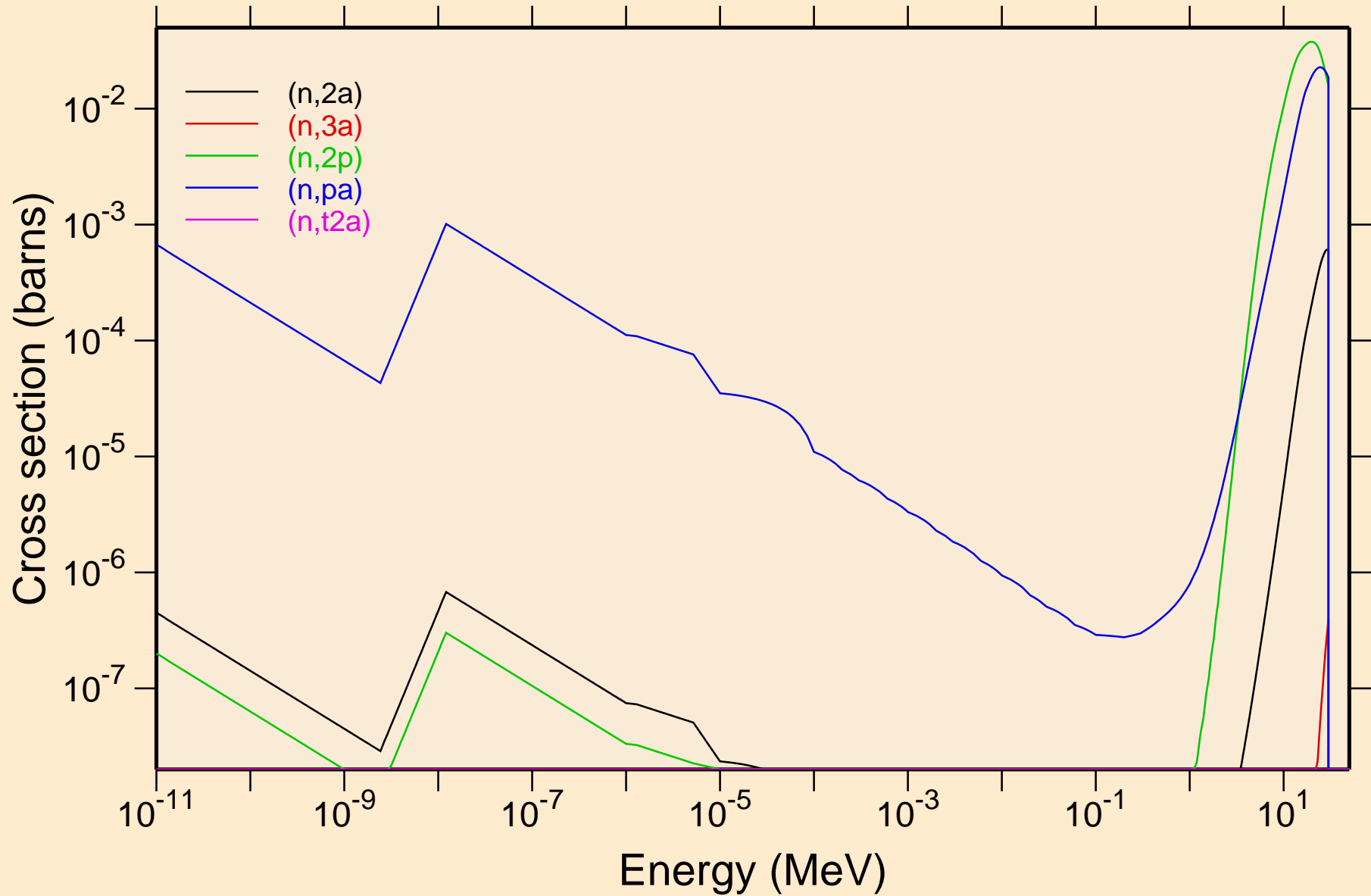
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



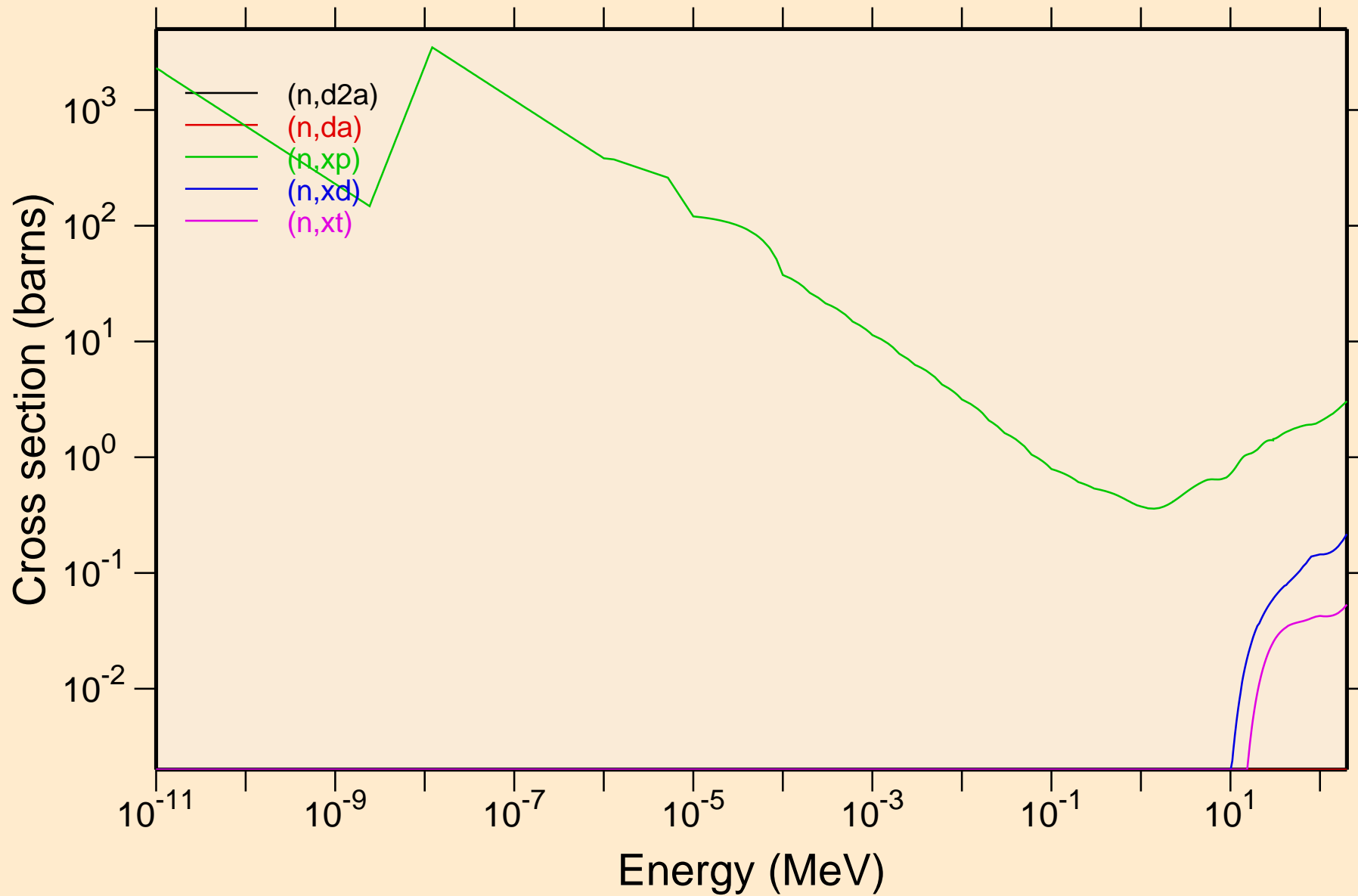
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



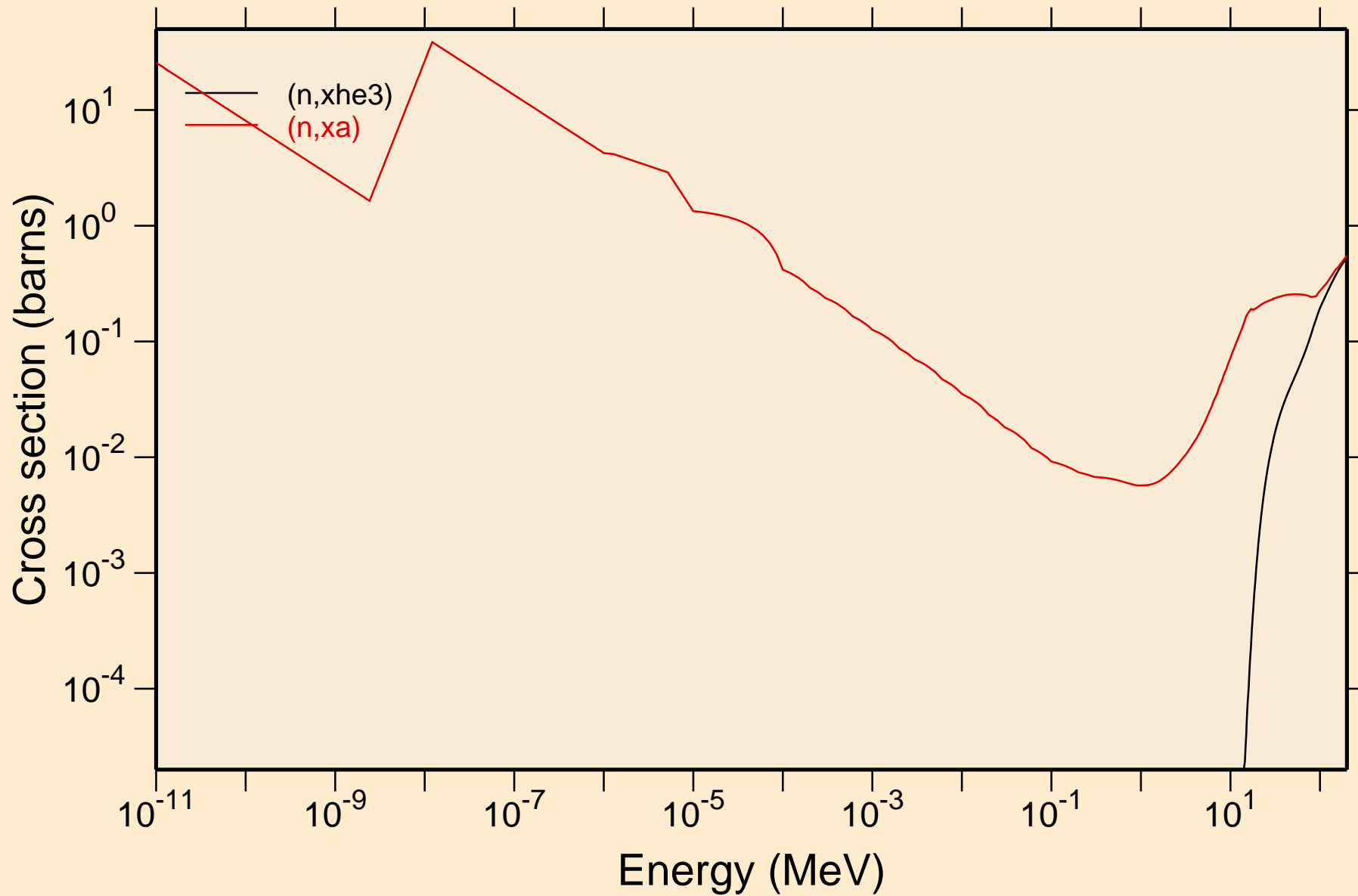
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

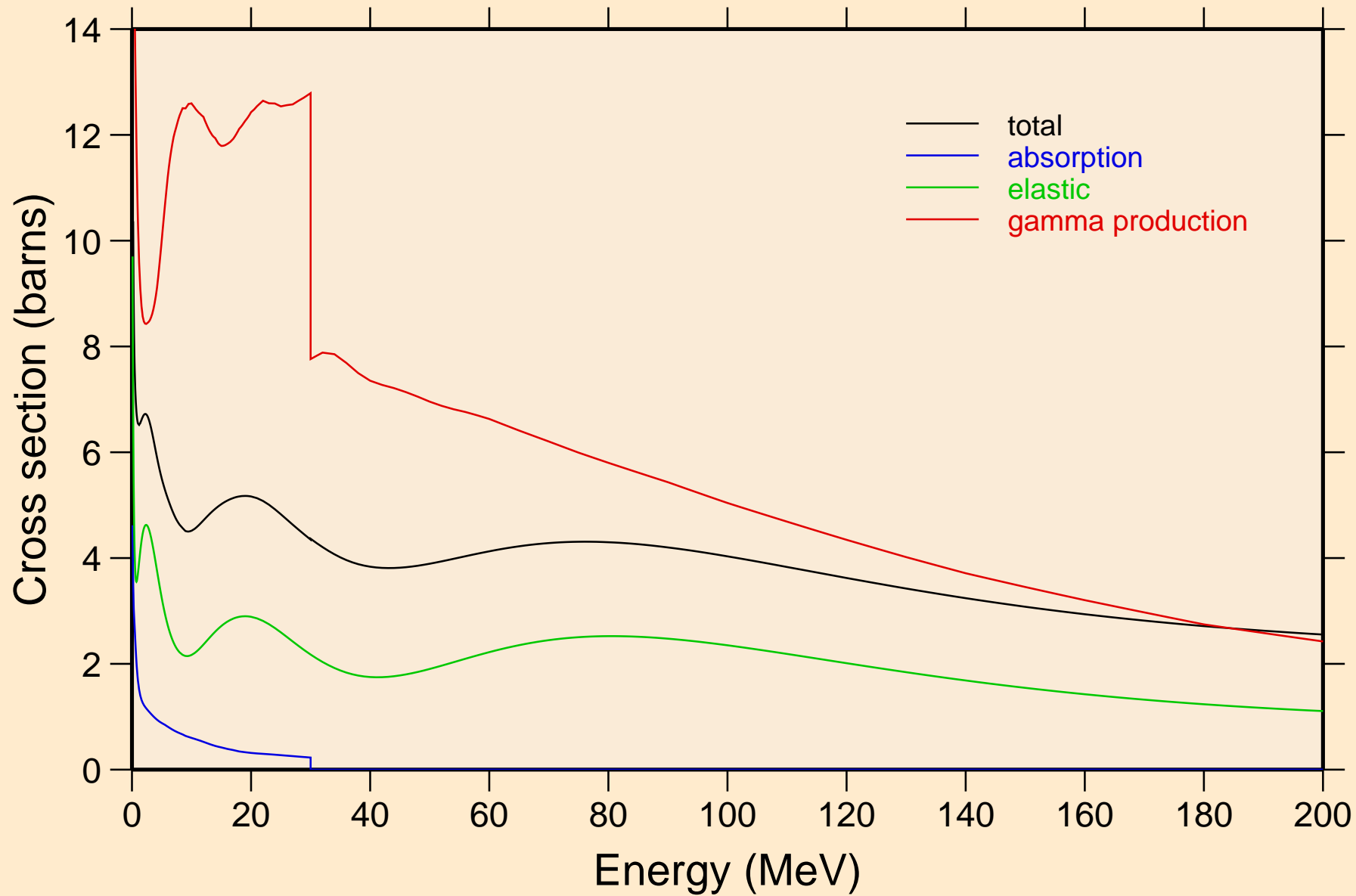


TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



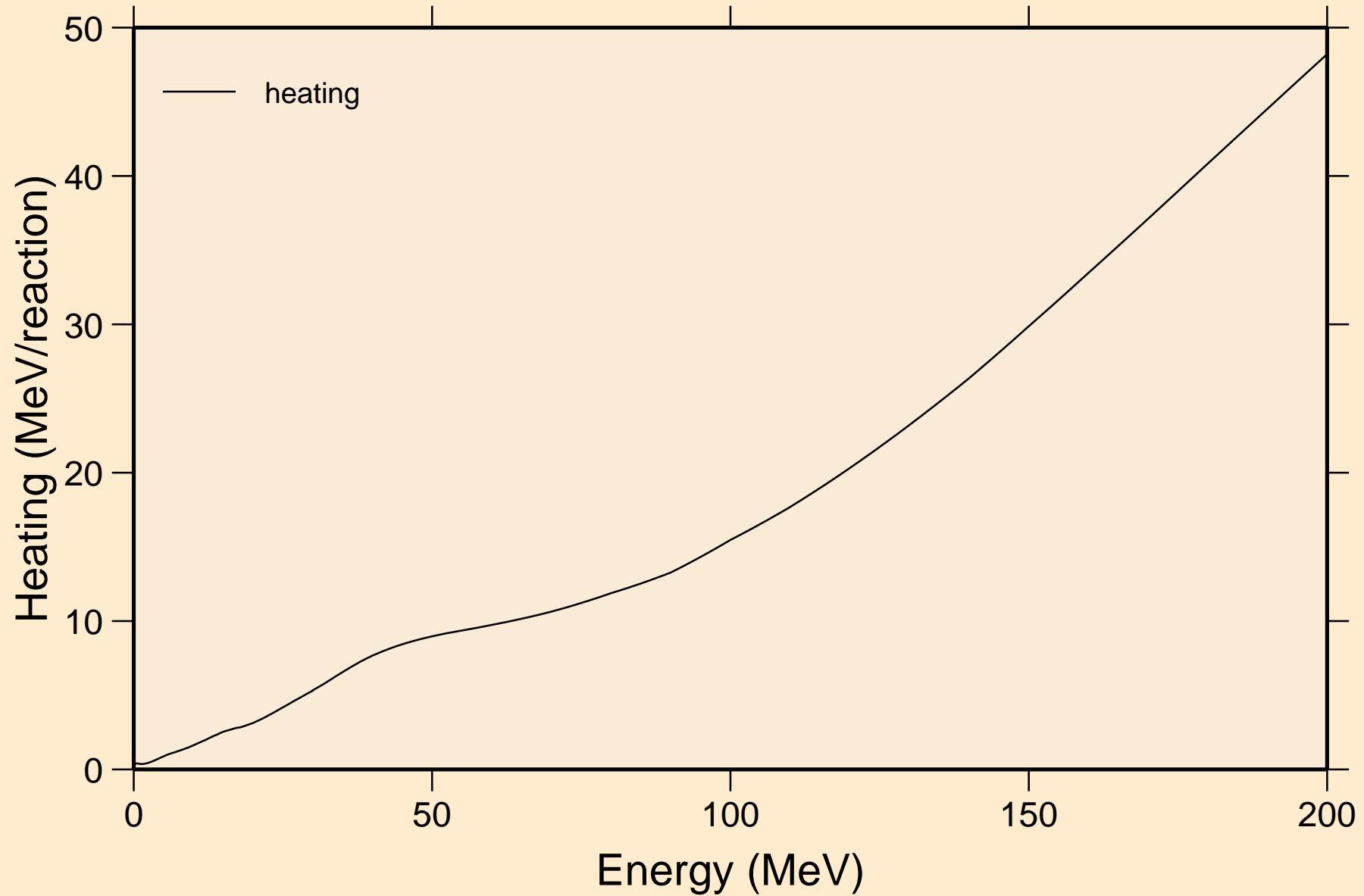
# TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections

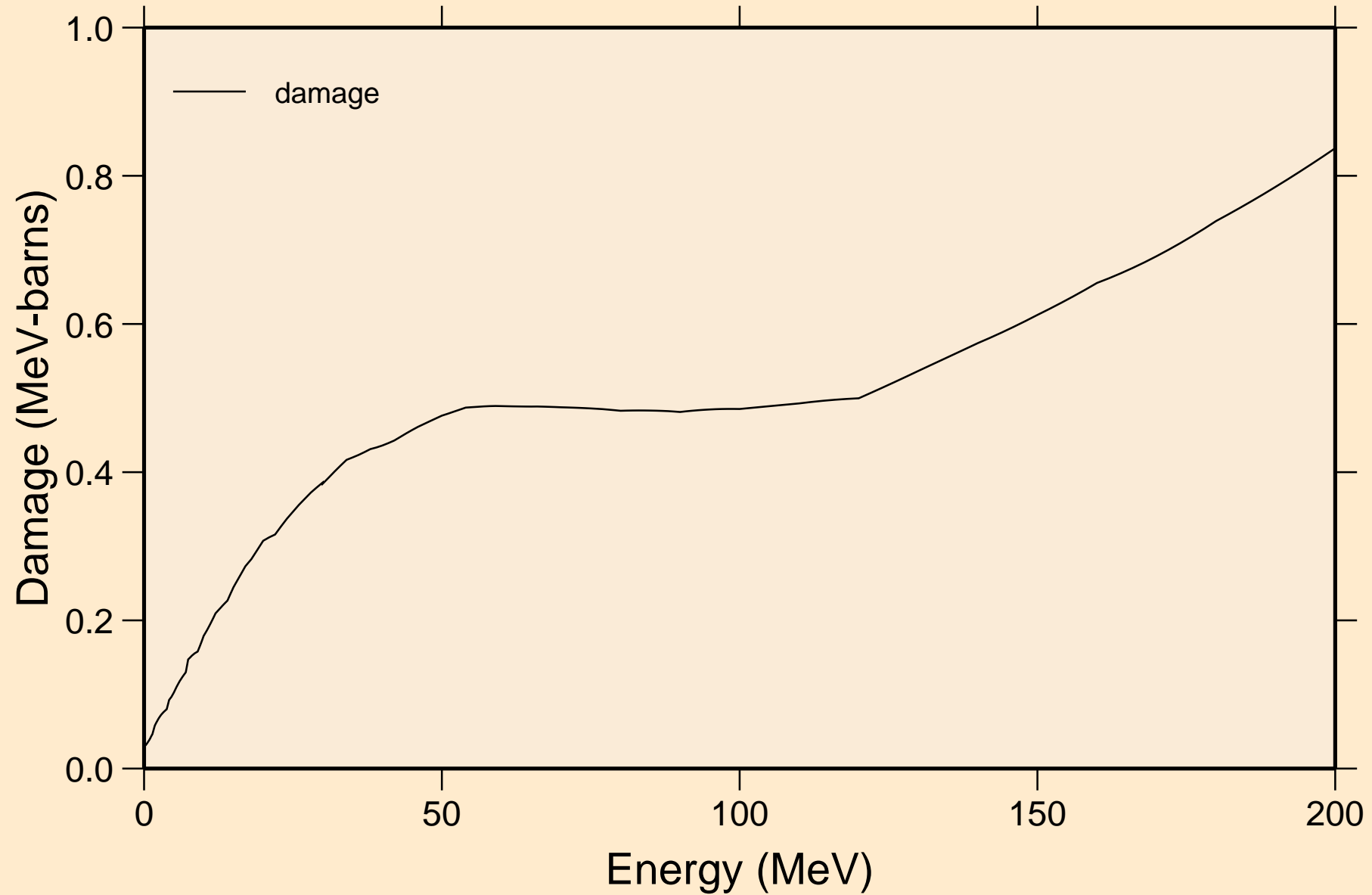


# TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

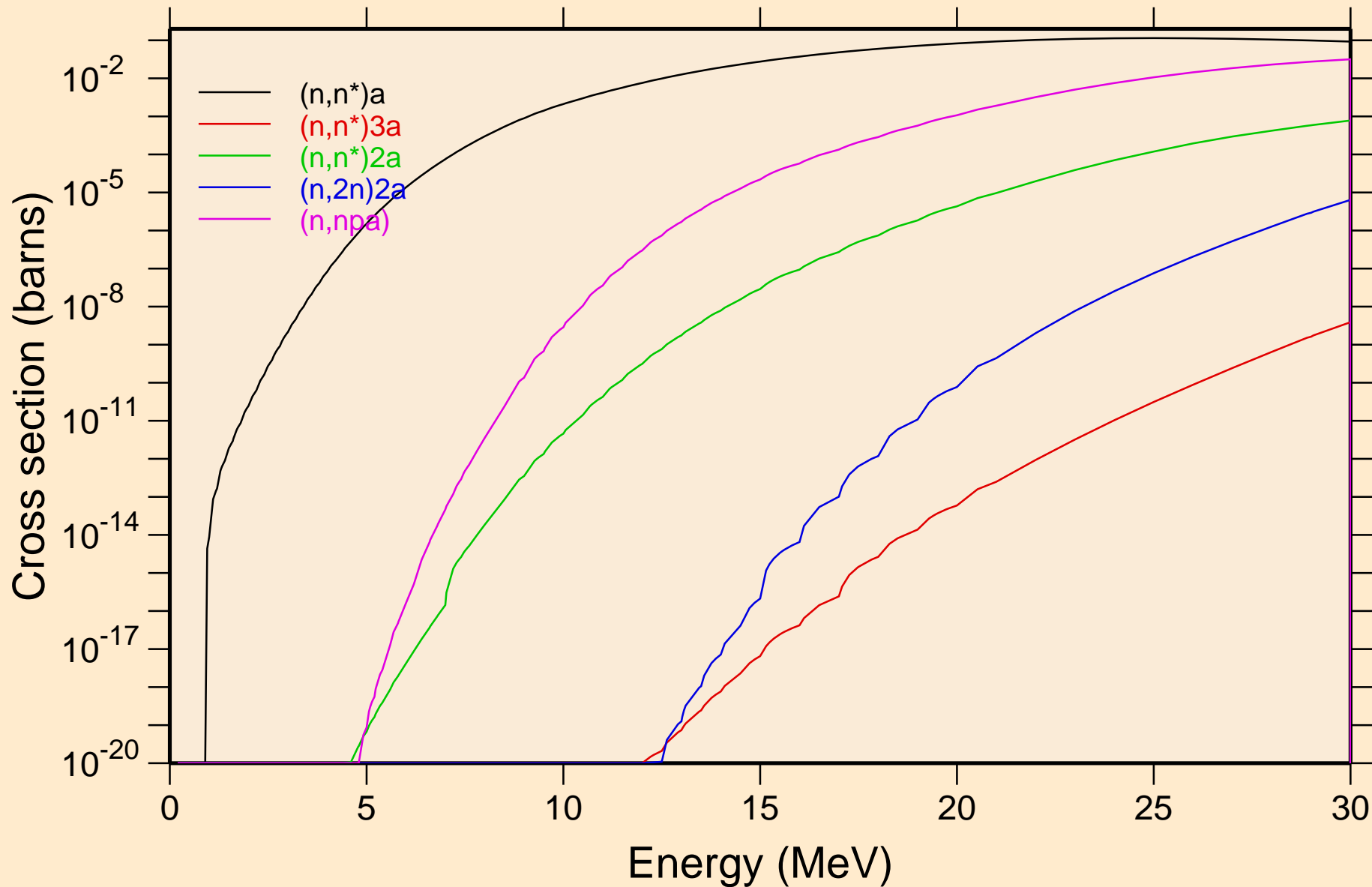
## Heating



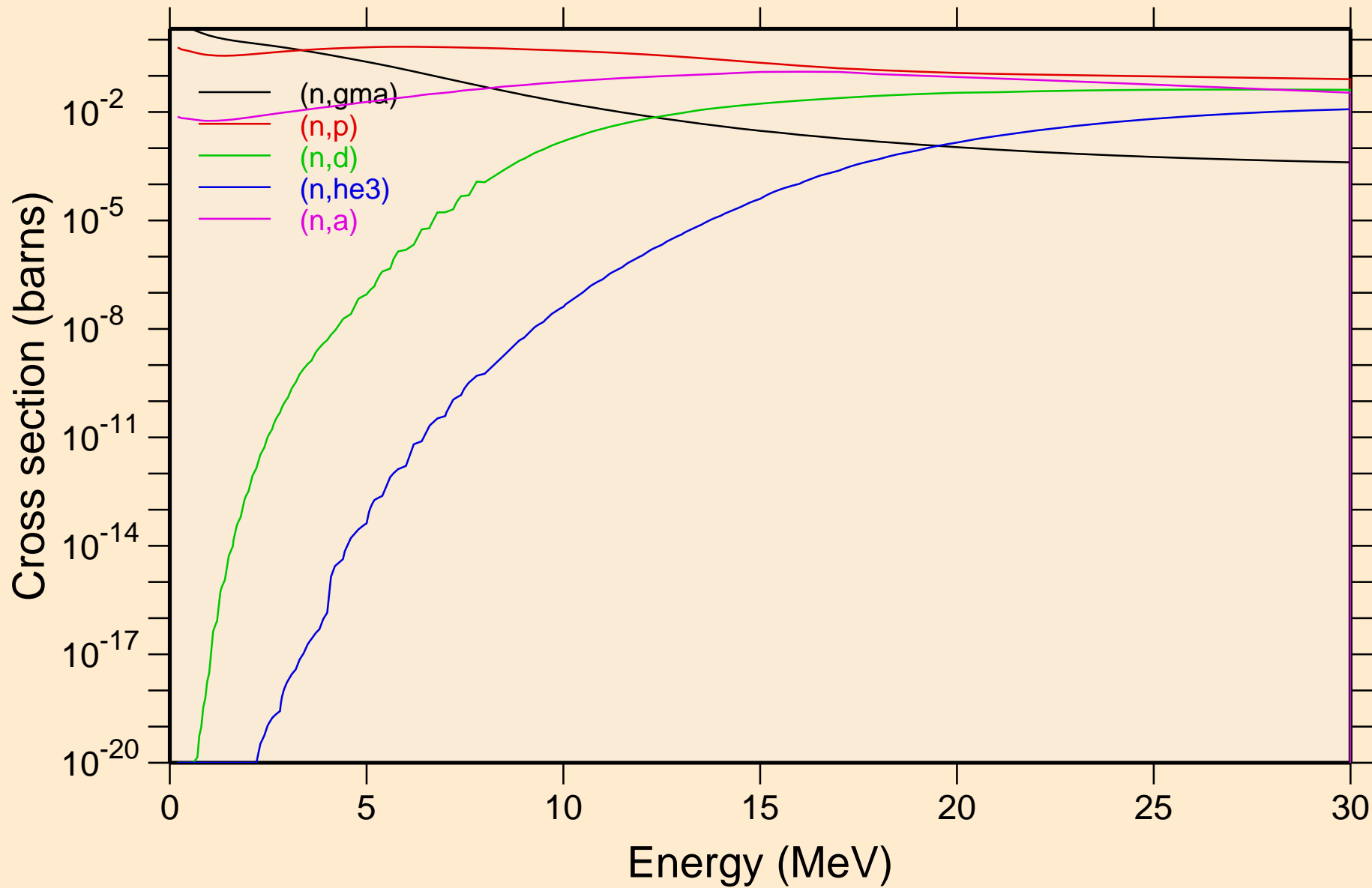
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Damage



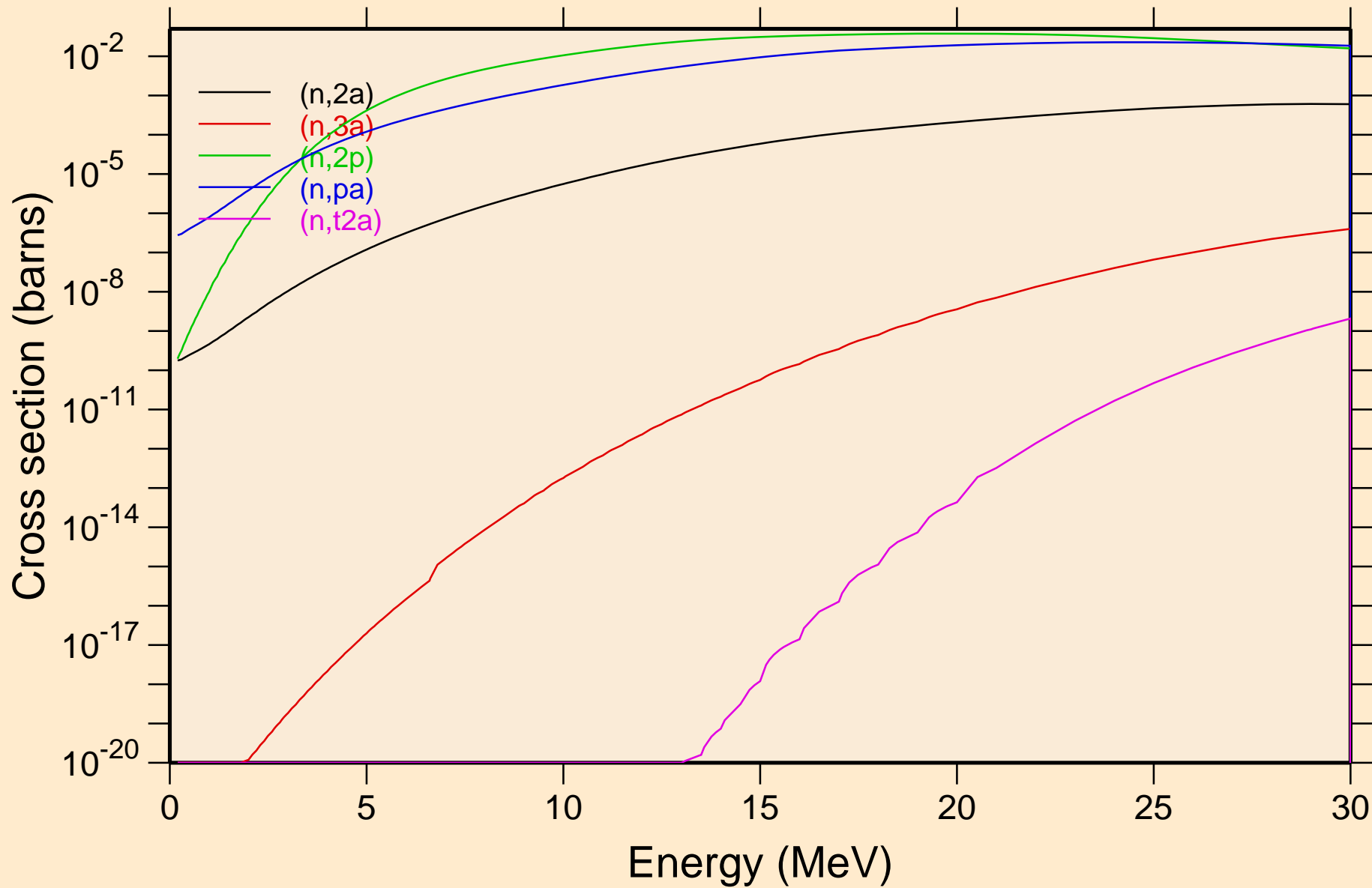
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



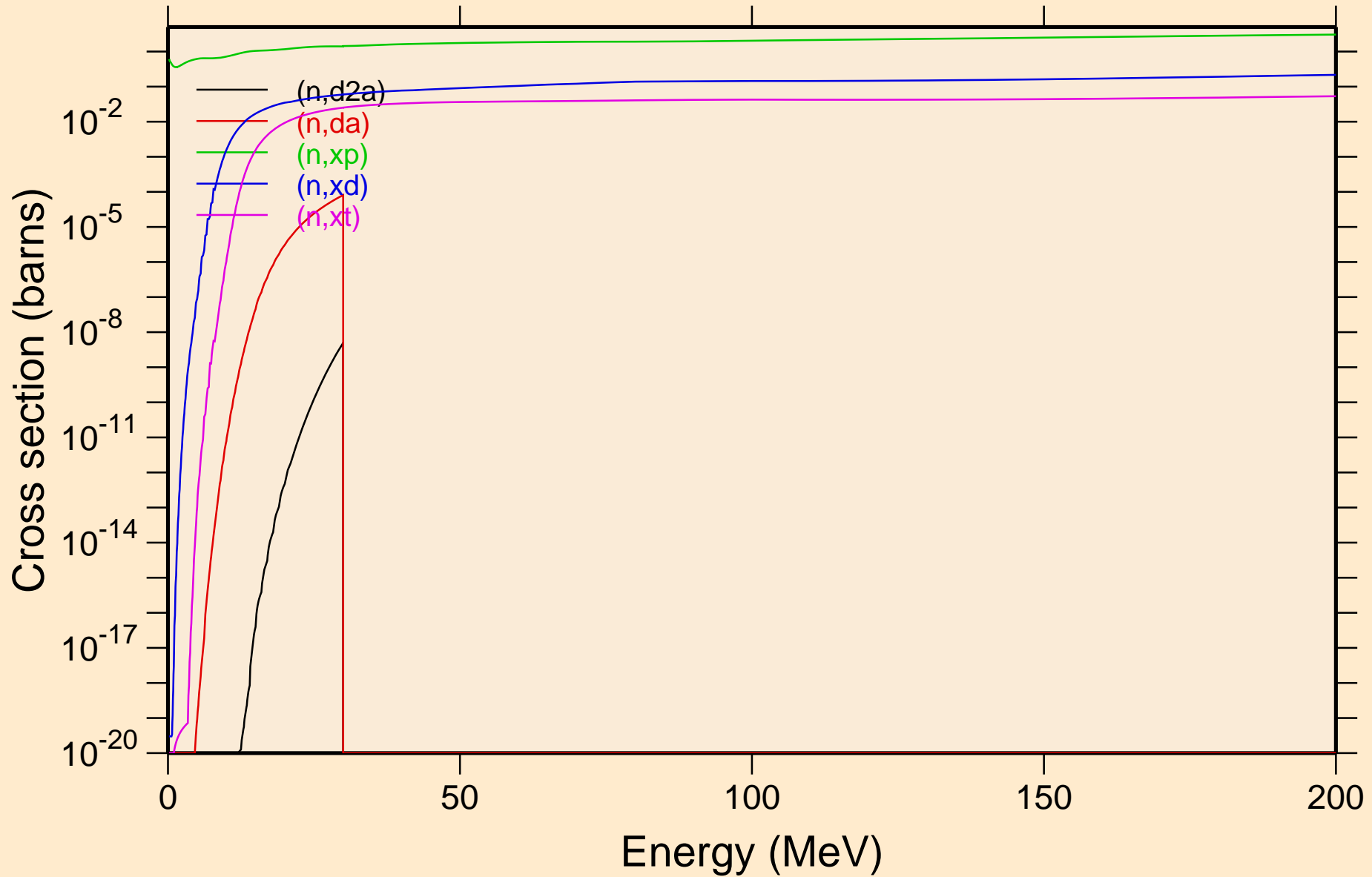
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



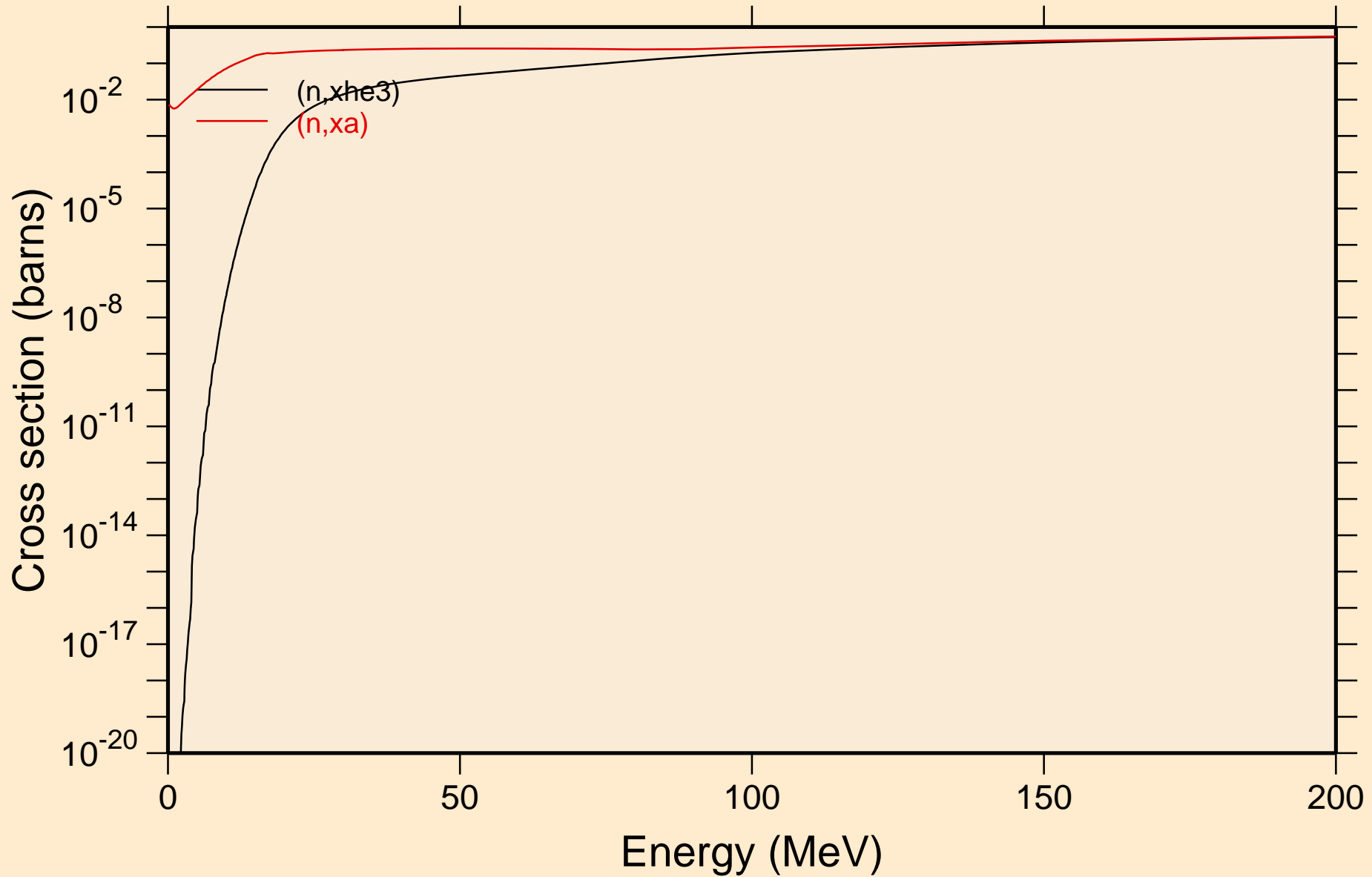
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



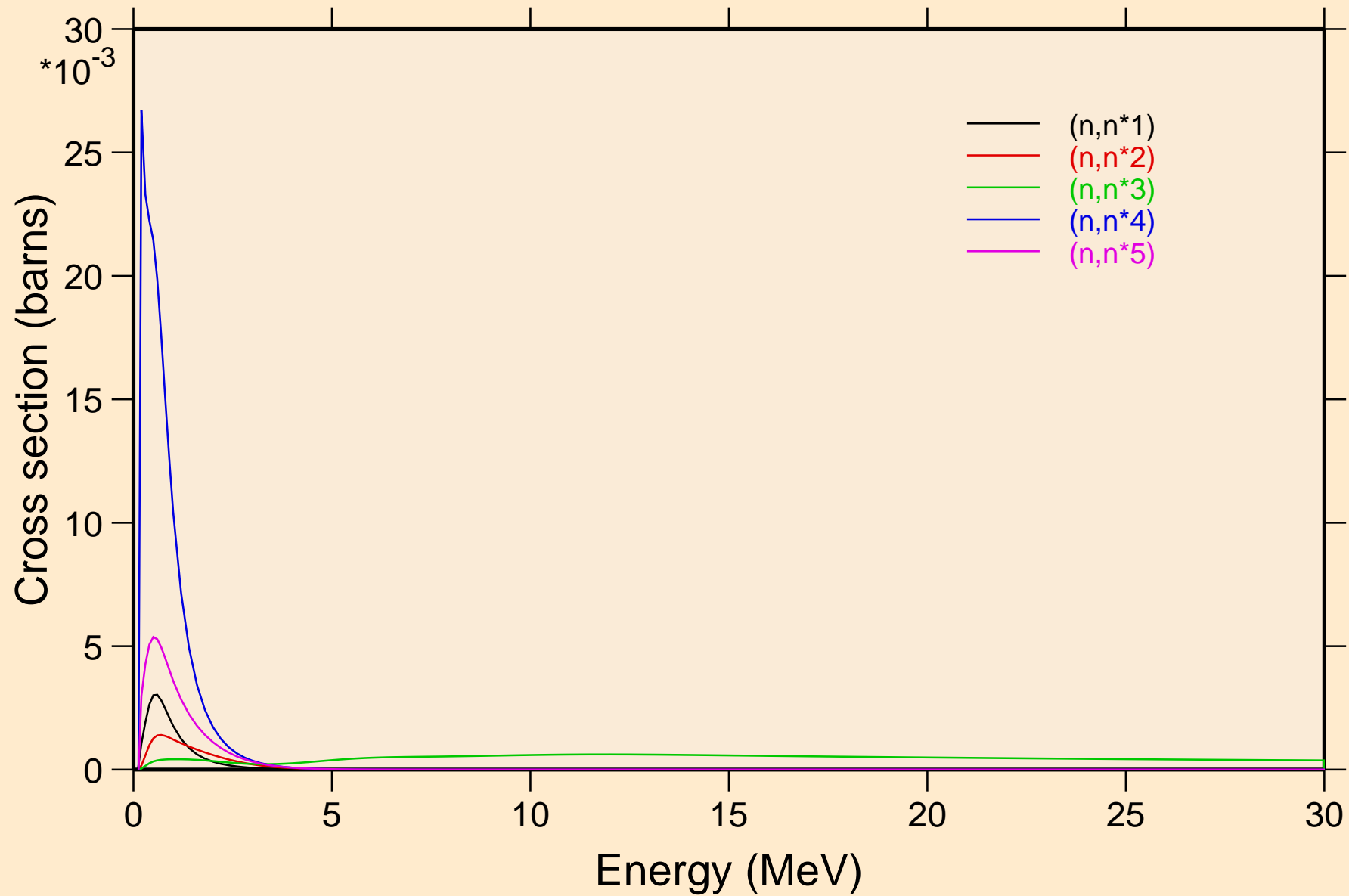
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



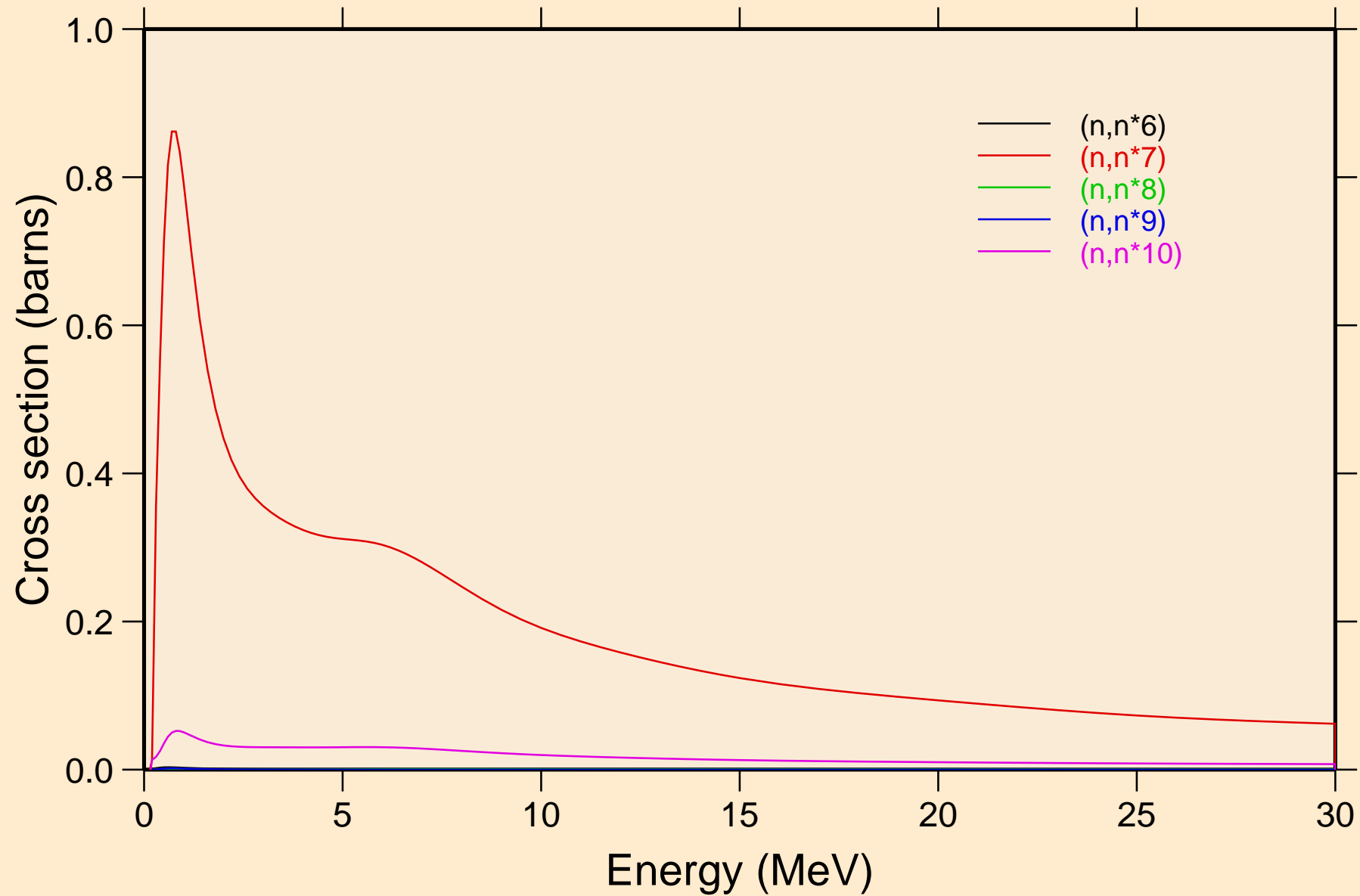
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



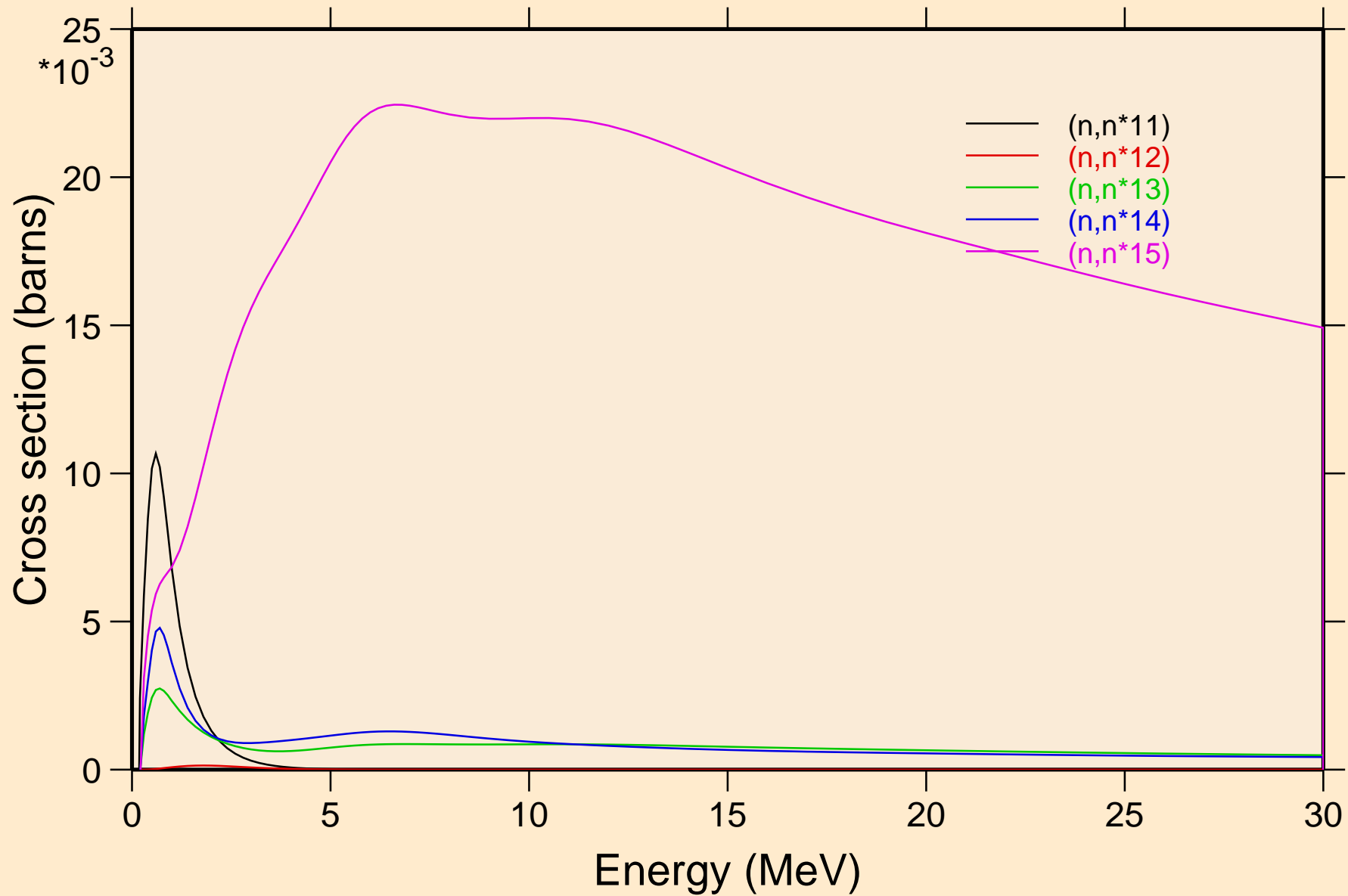
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



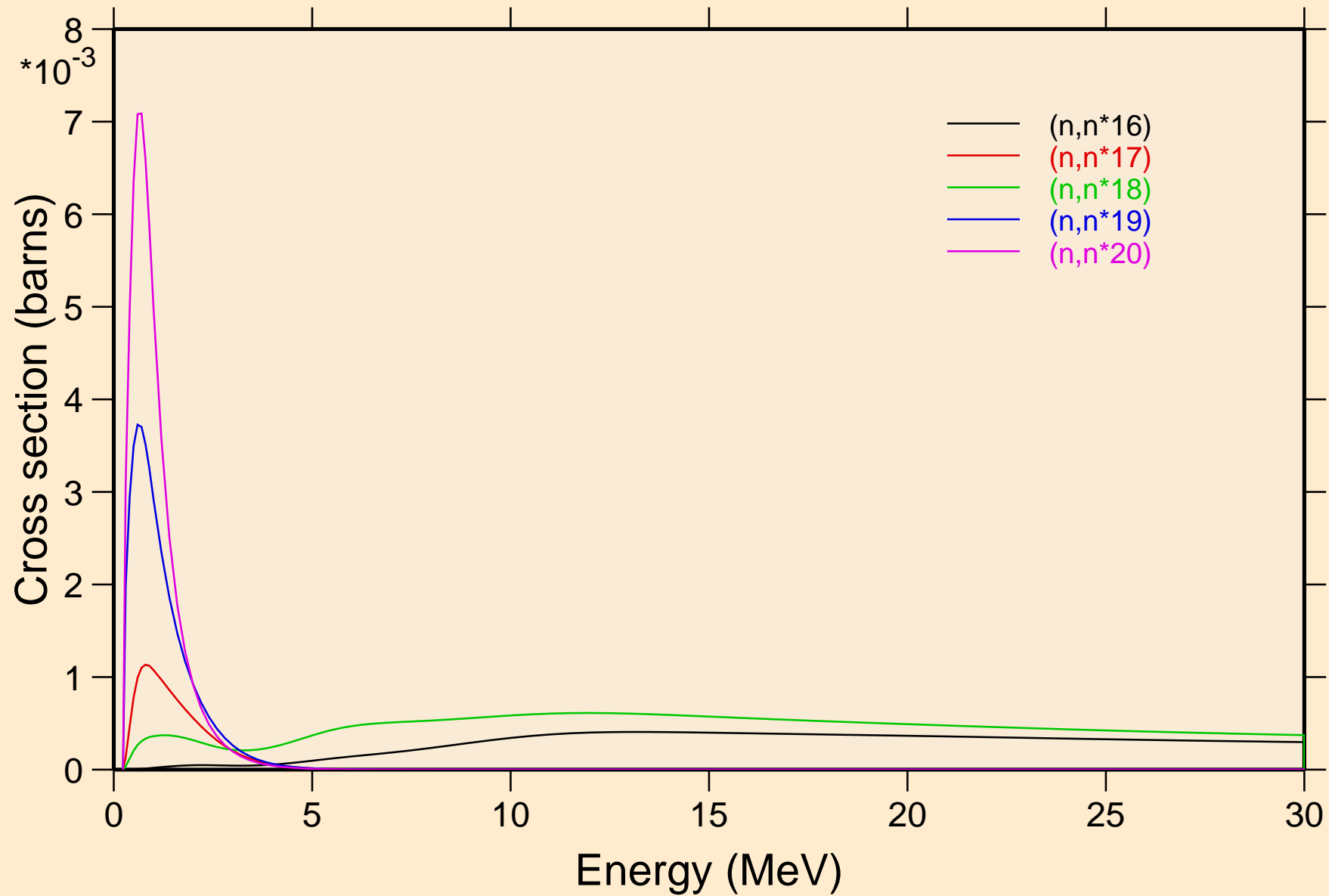
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



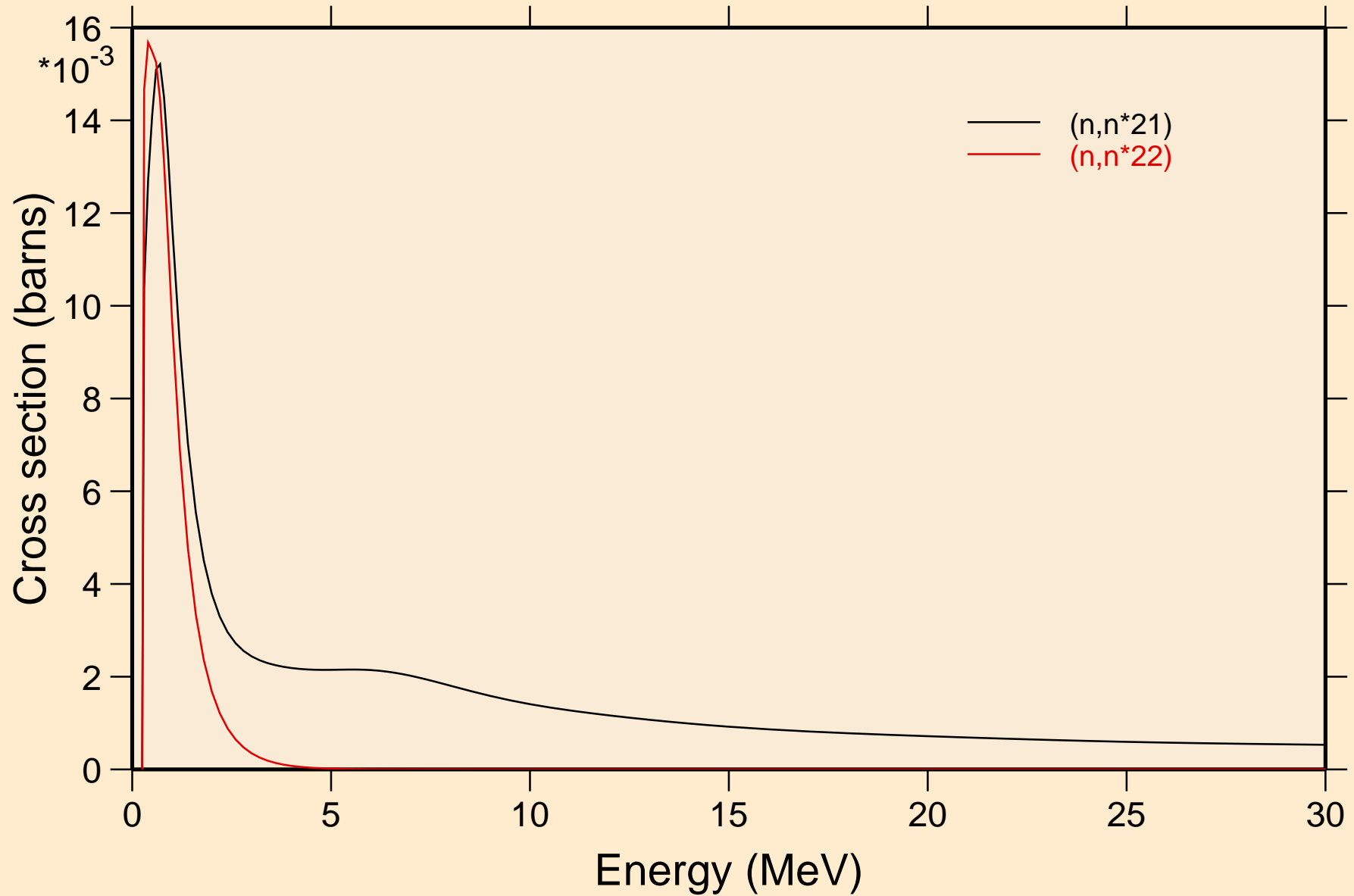
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



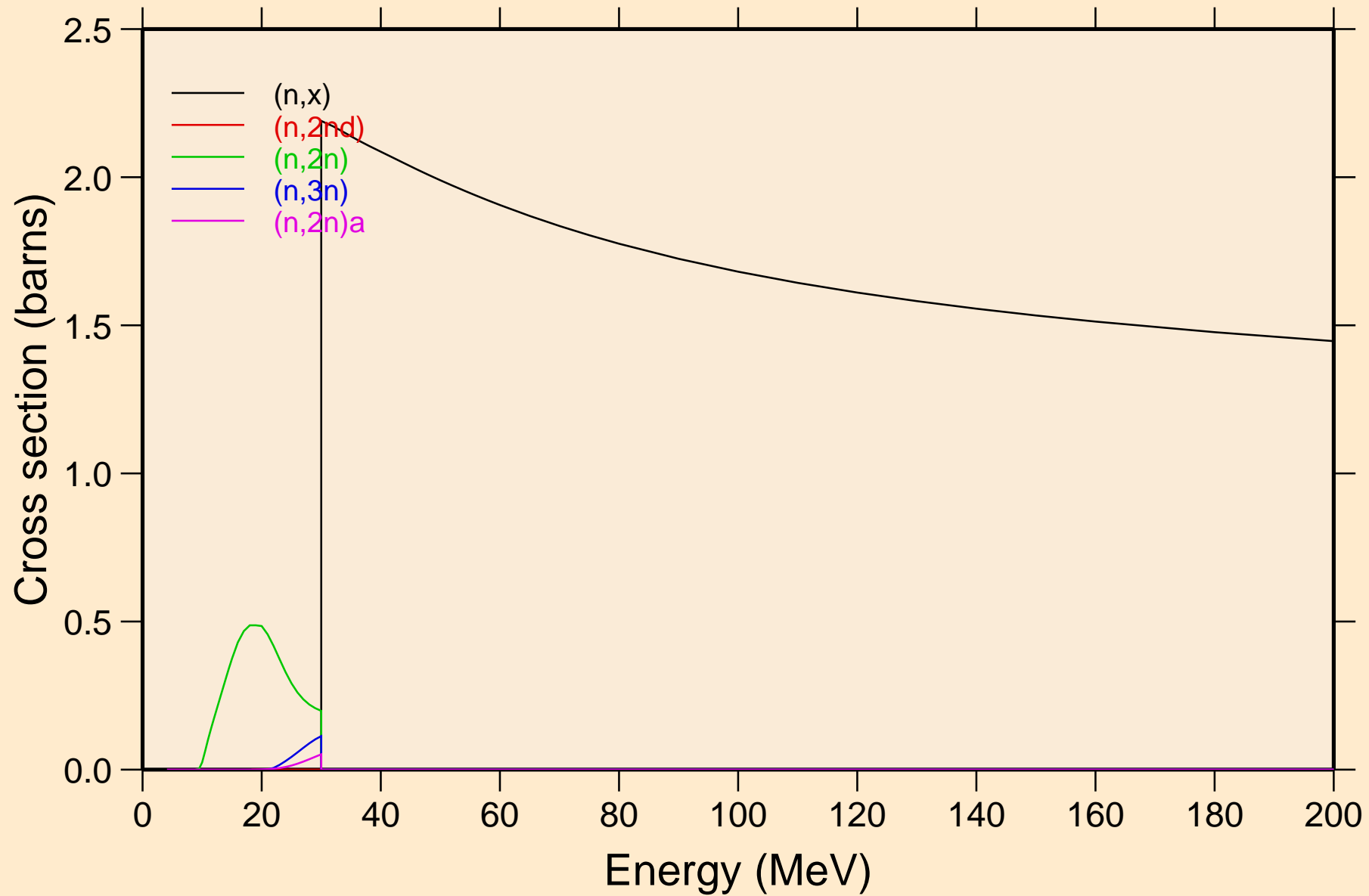
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



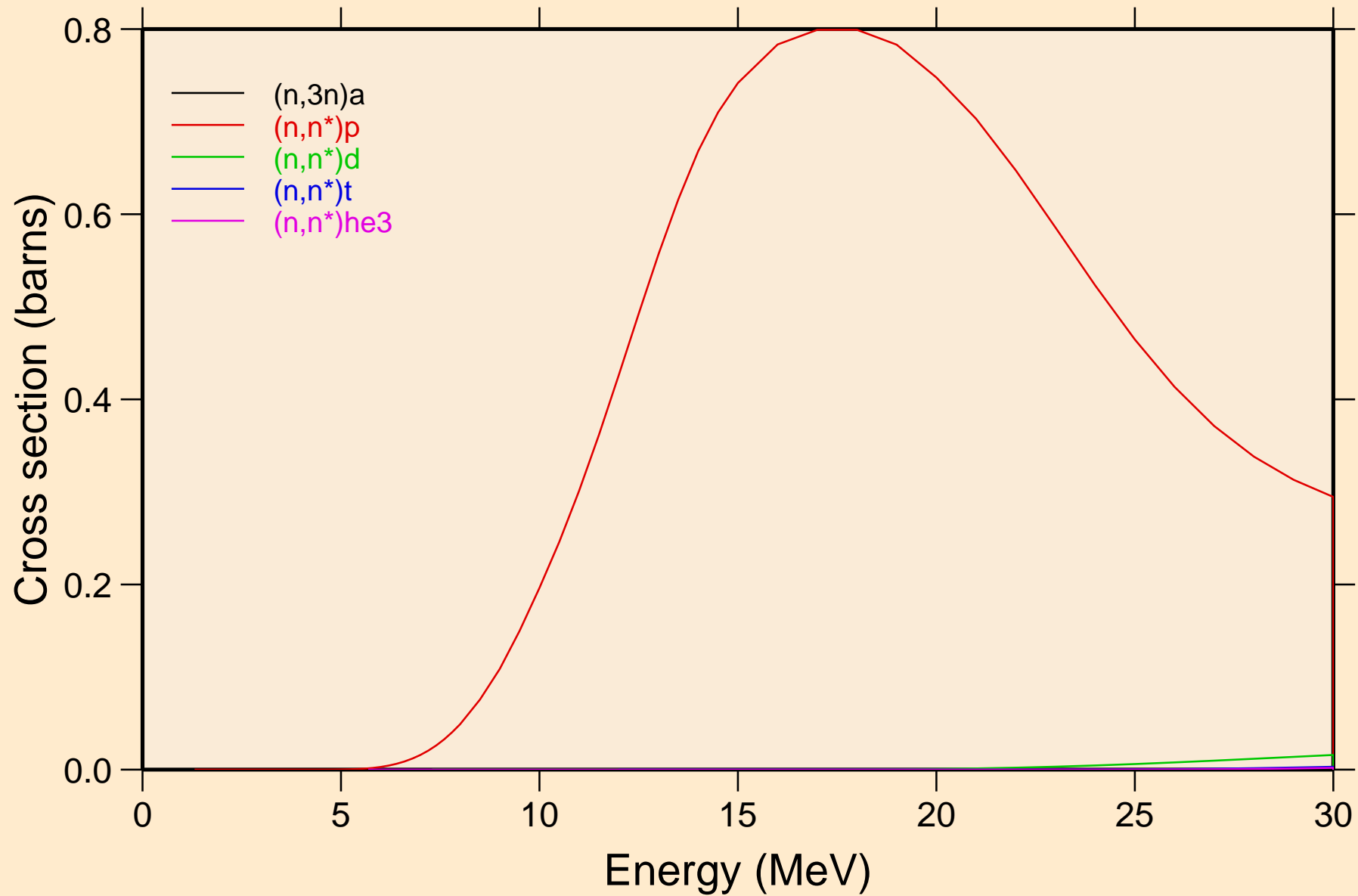
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



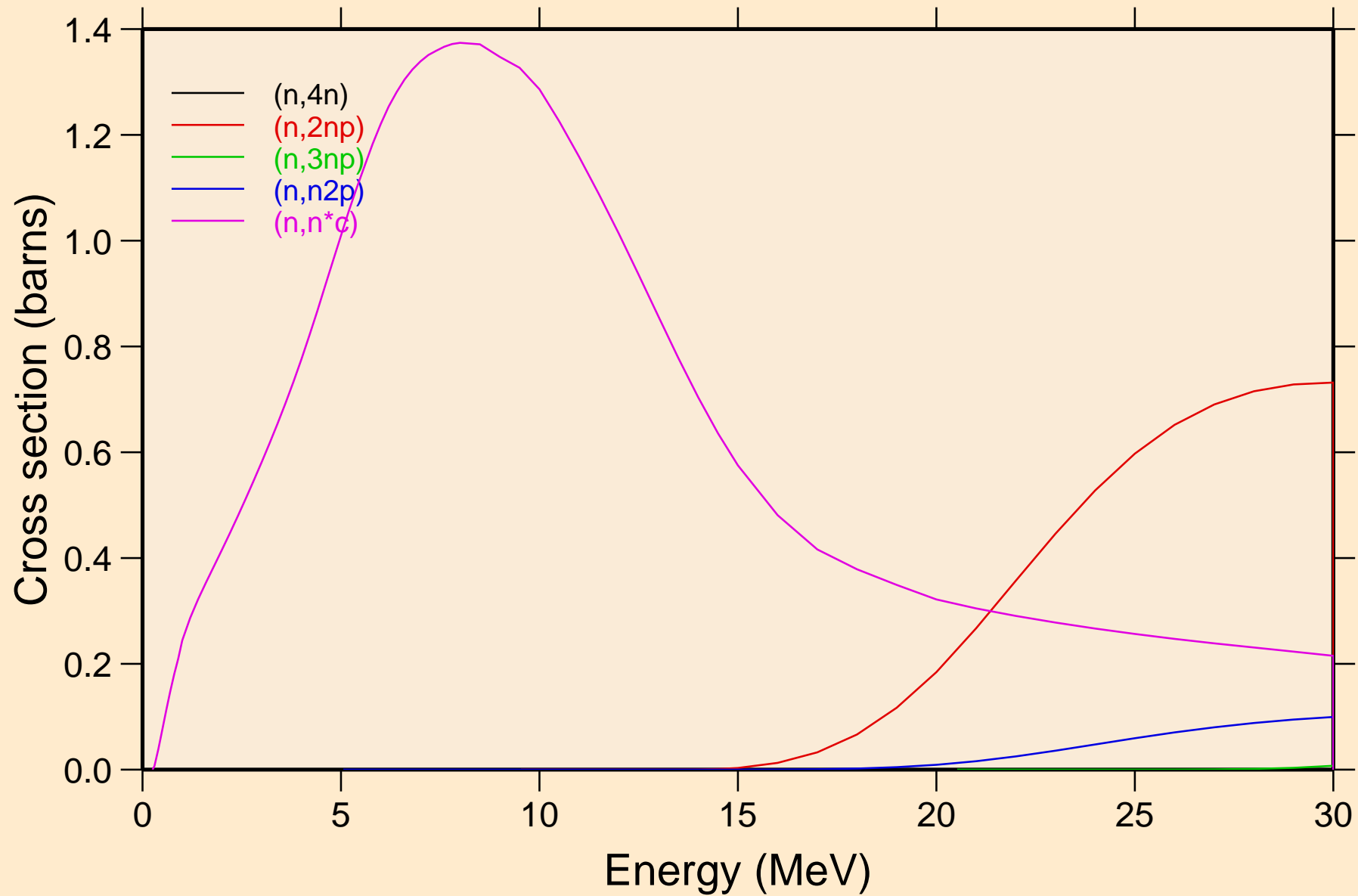
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



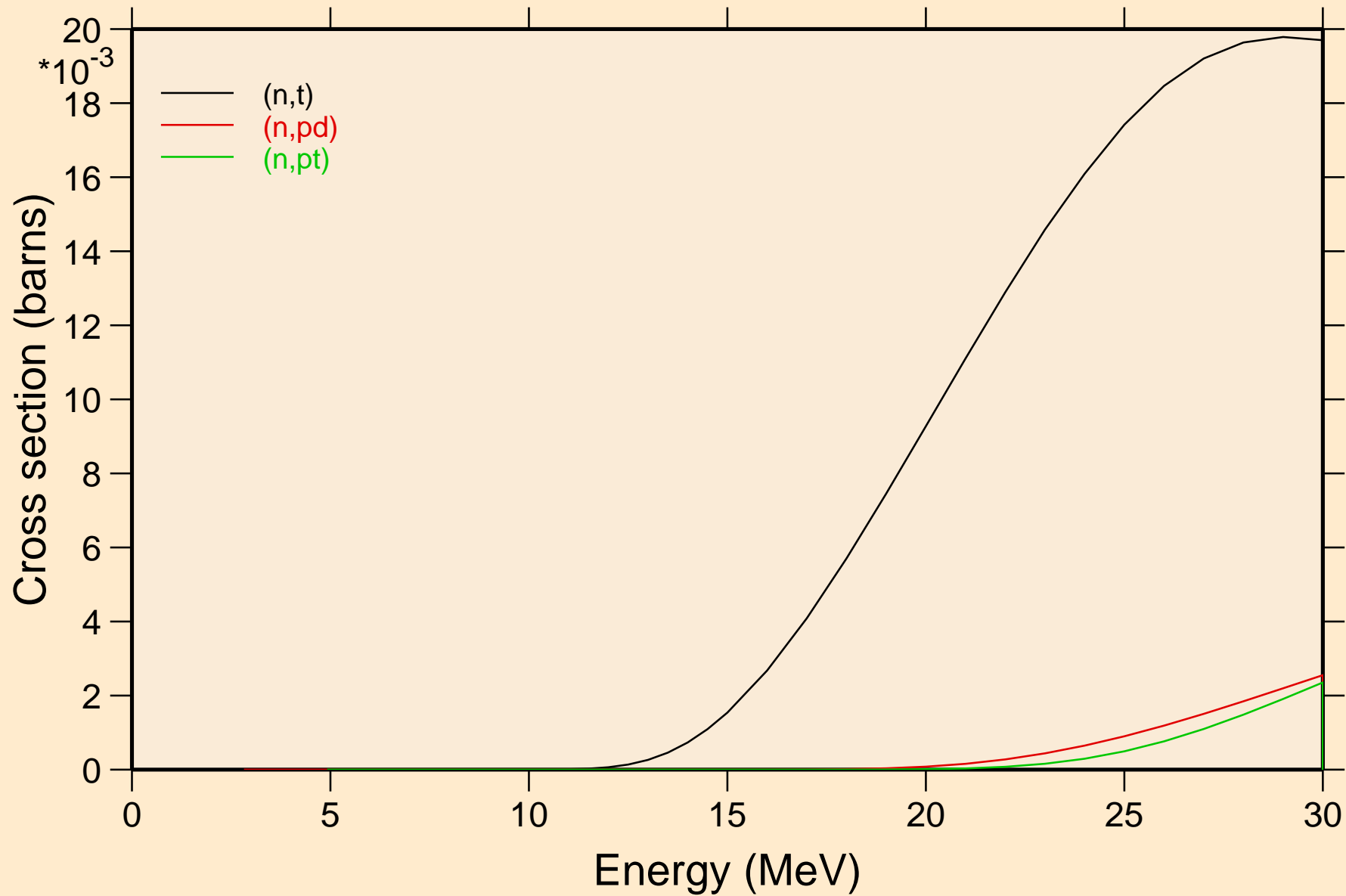
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



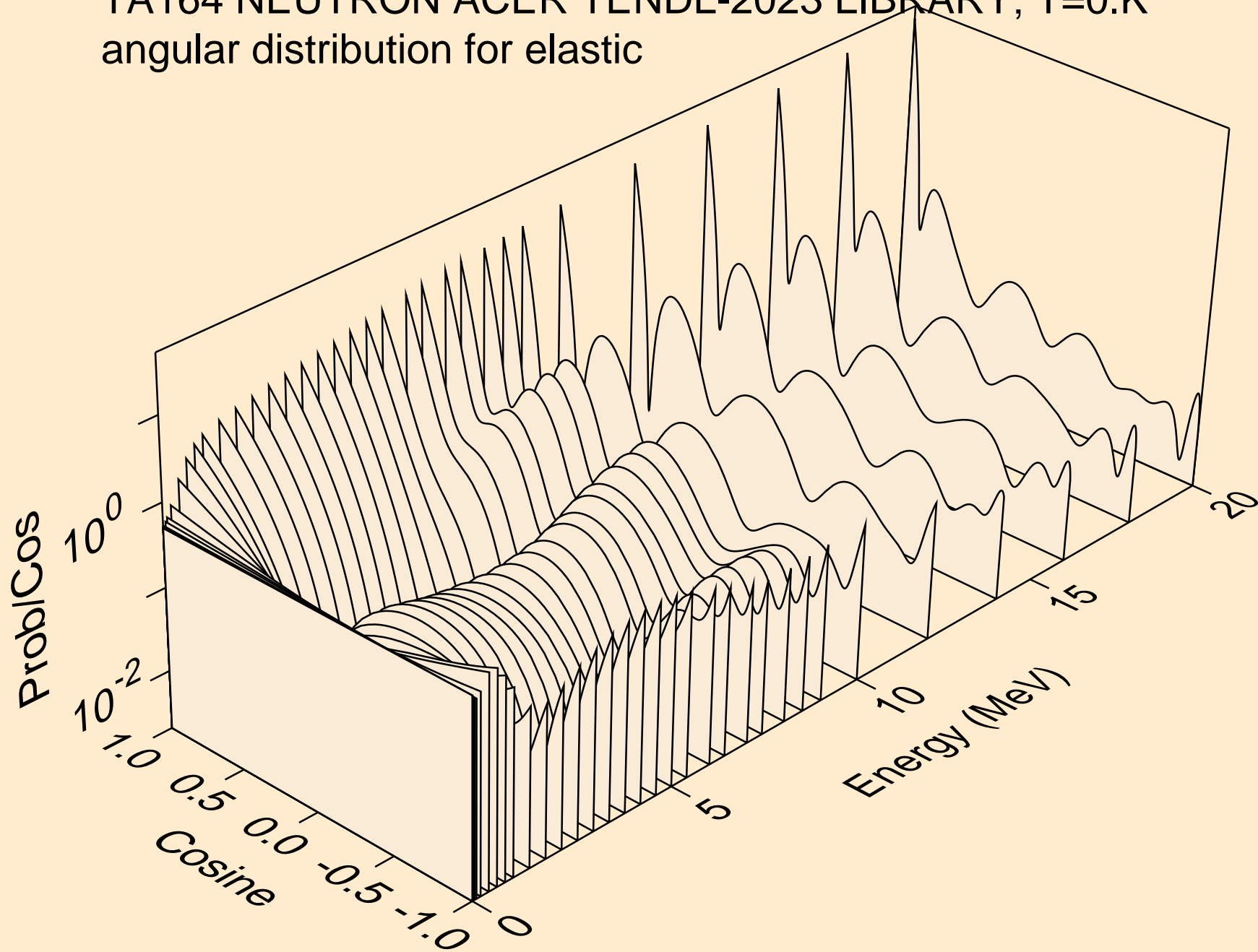
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



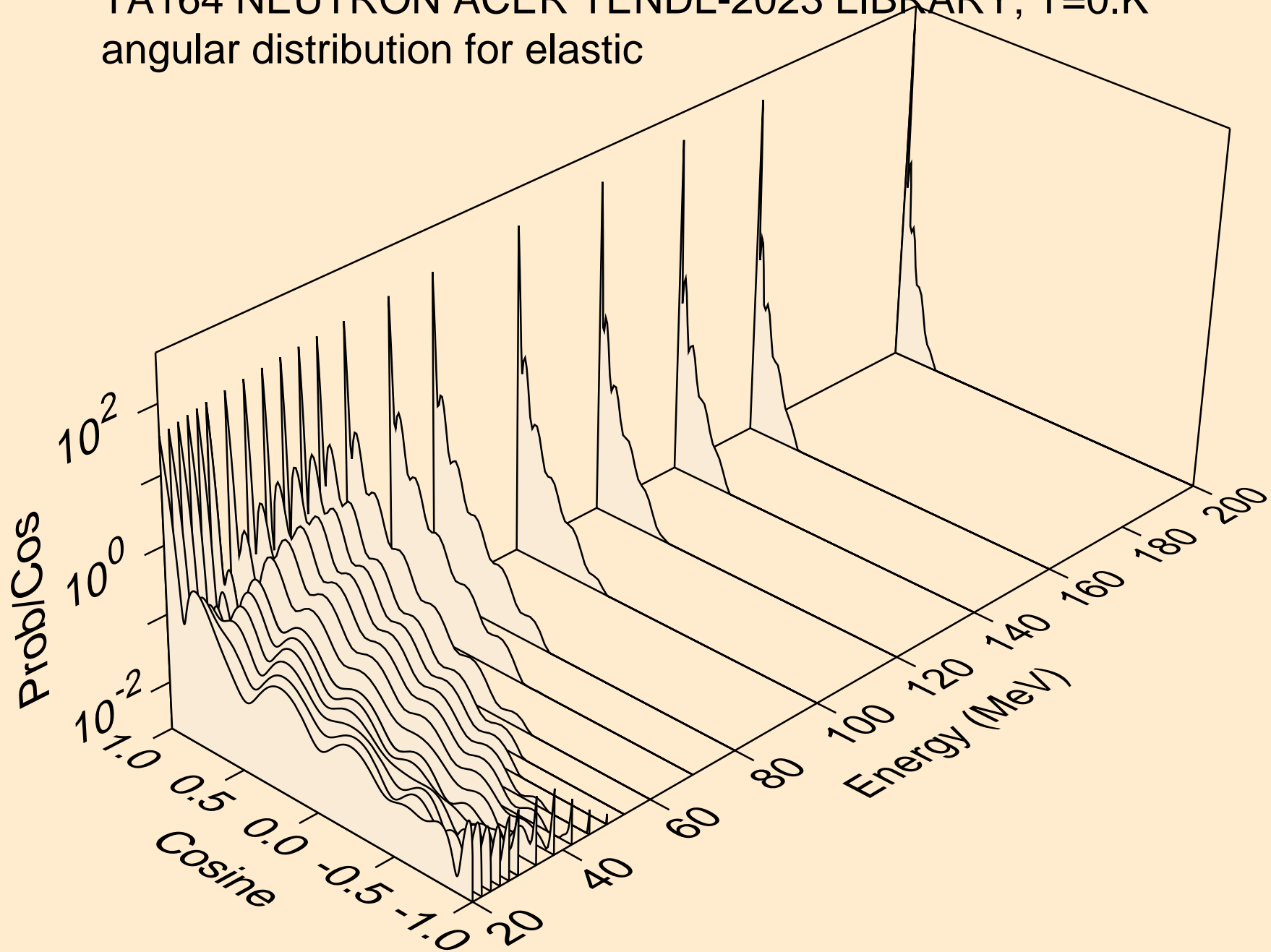
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



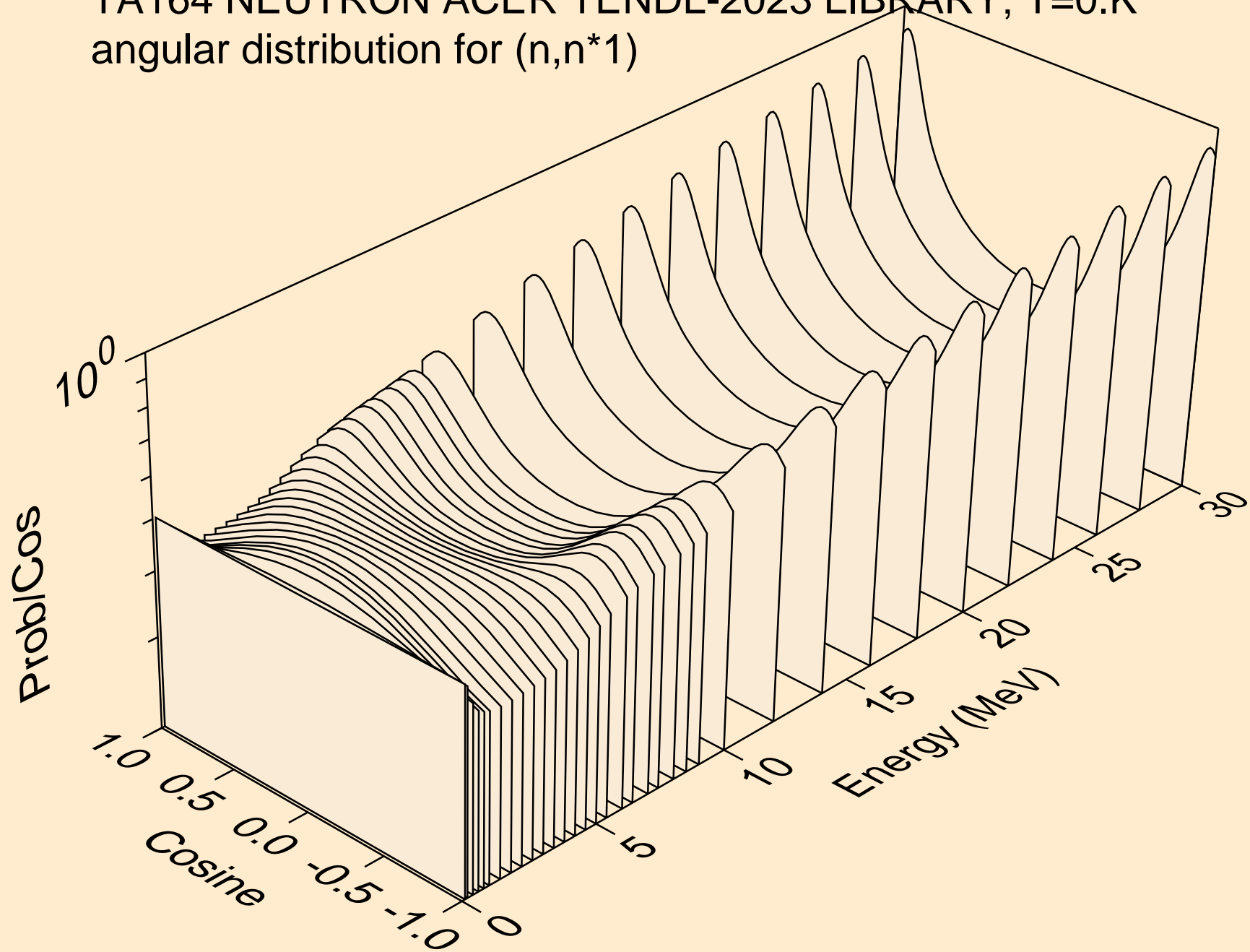
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



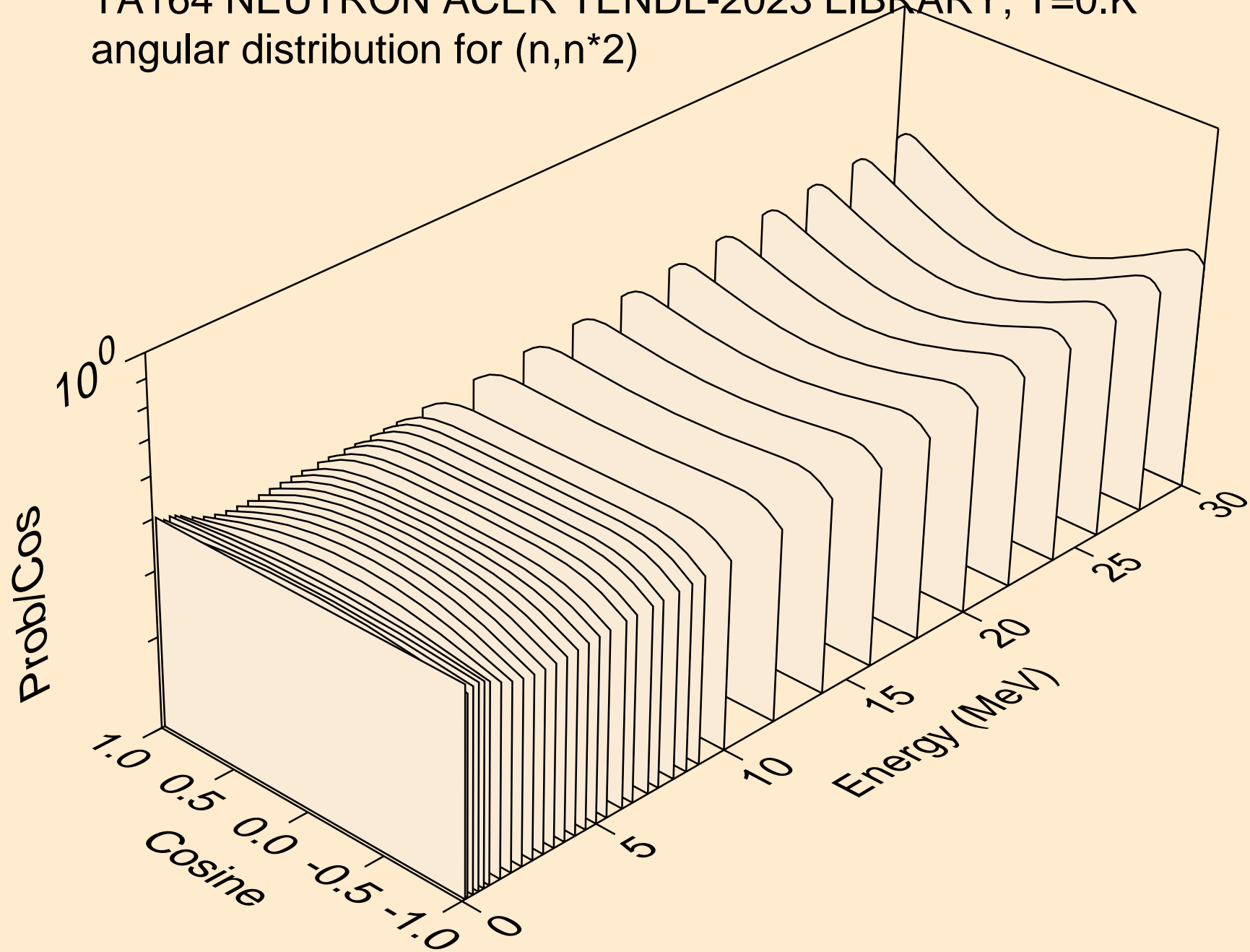
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



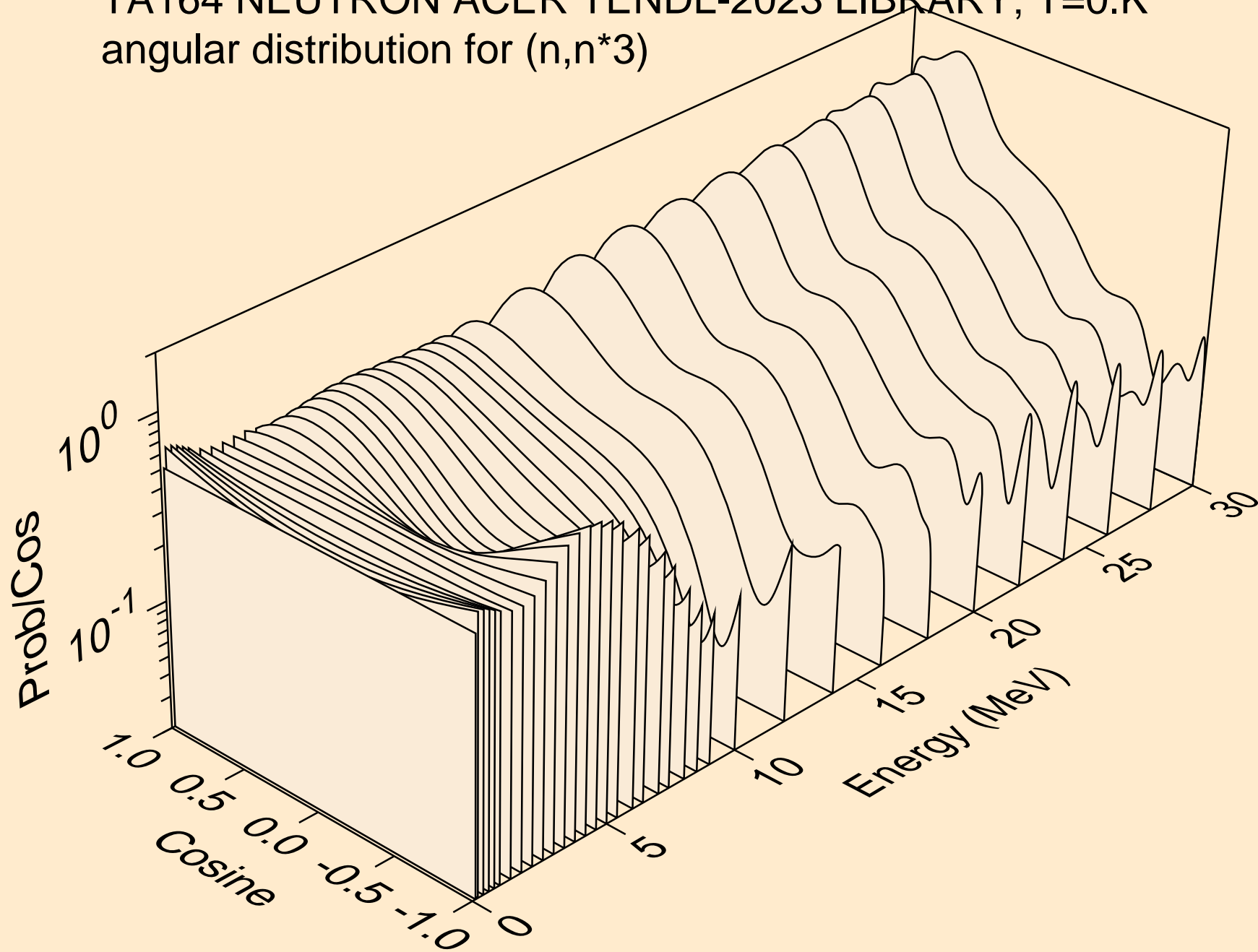
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



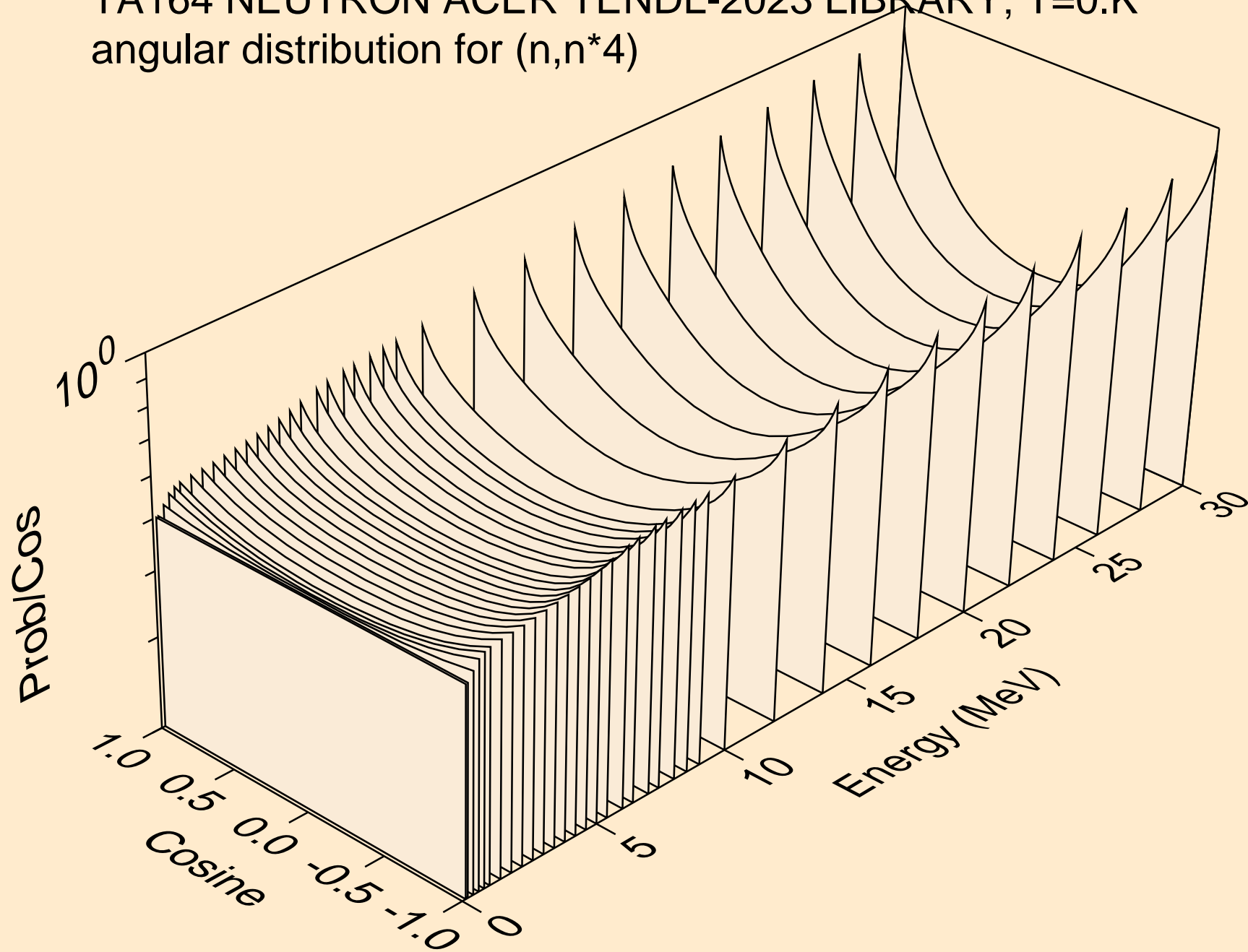
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*2)



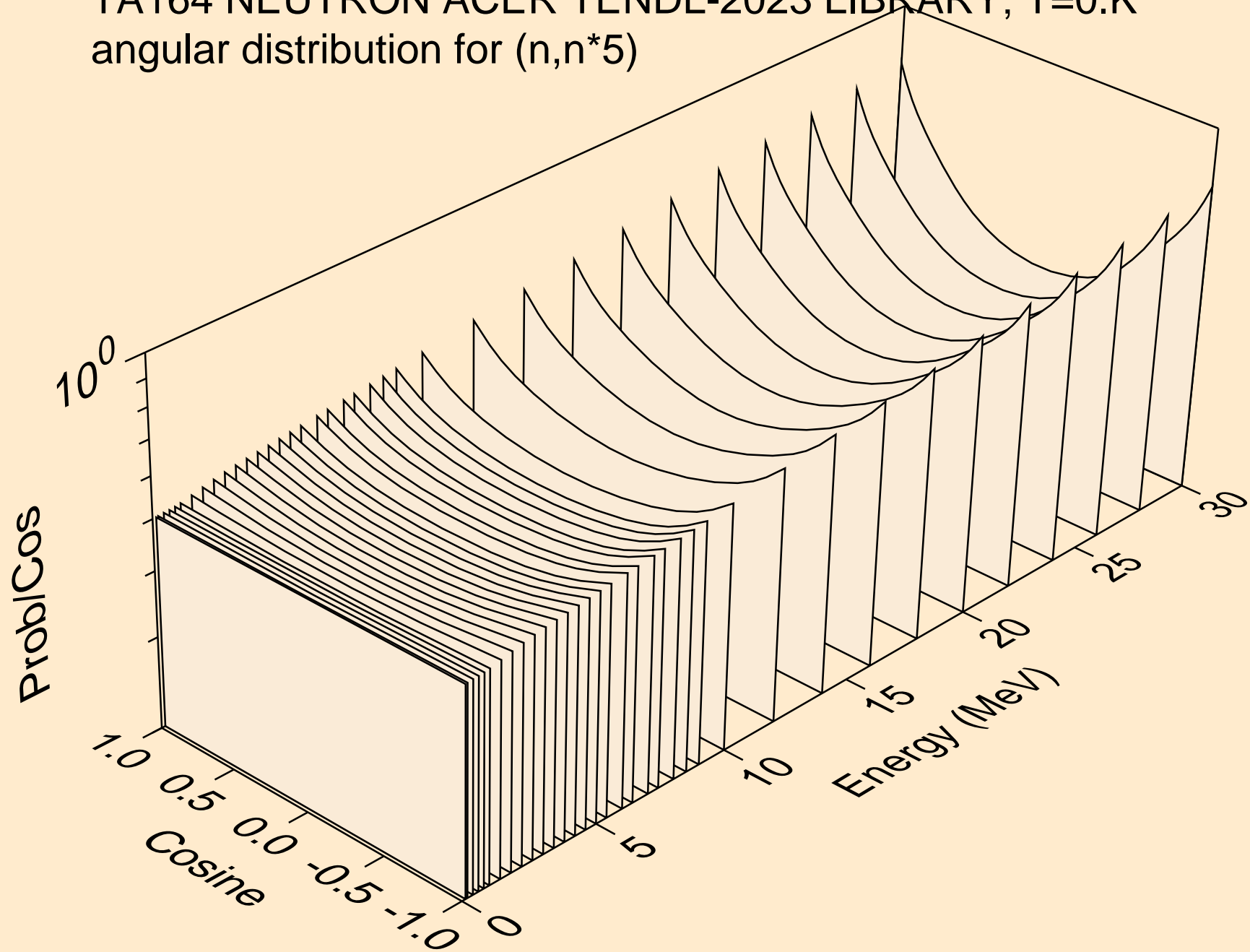
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*3)



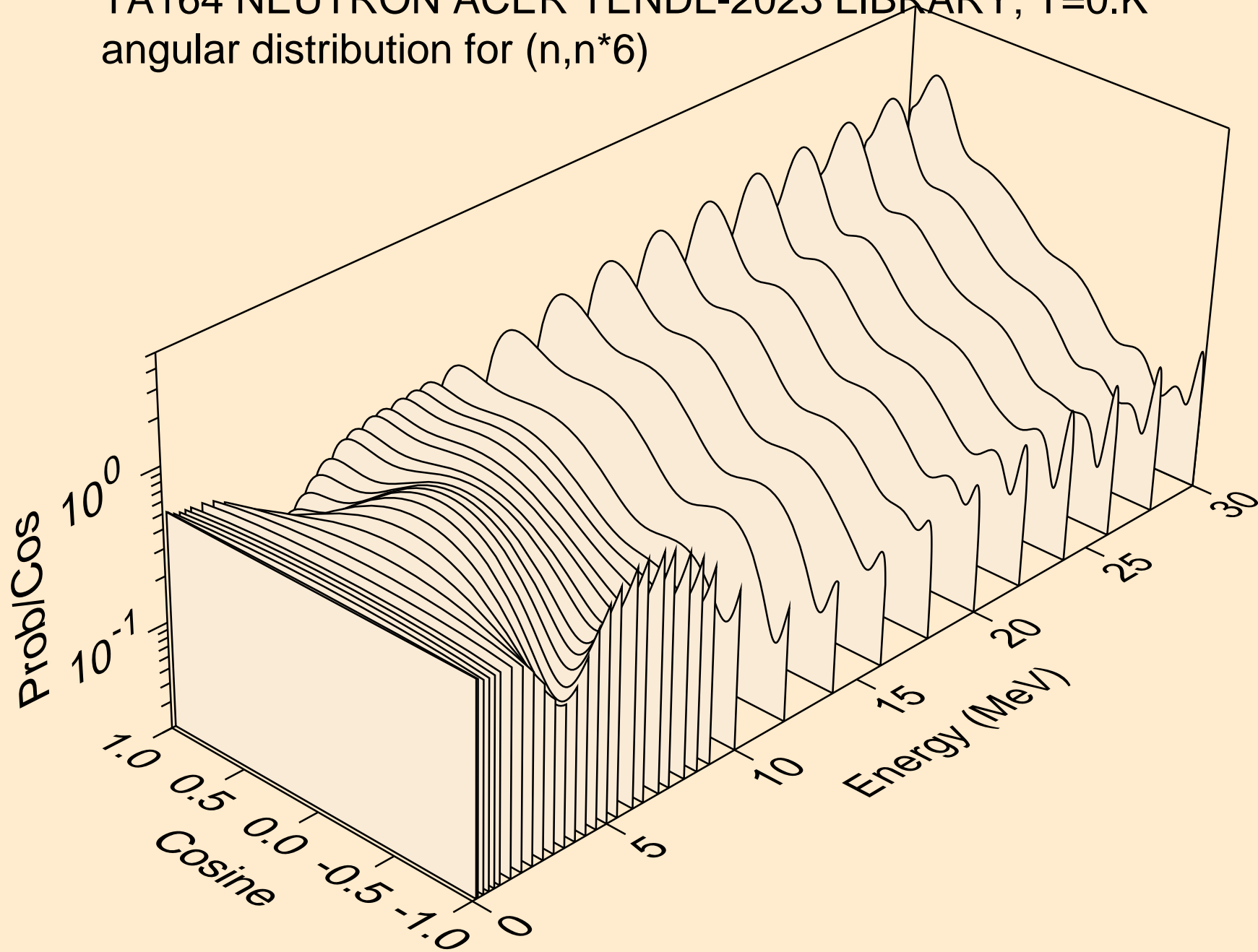
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*4)



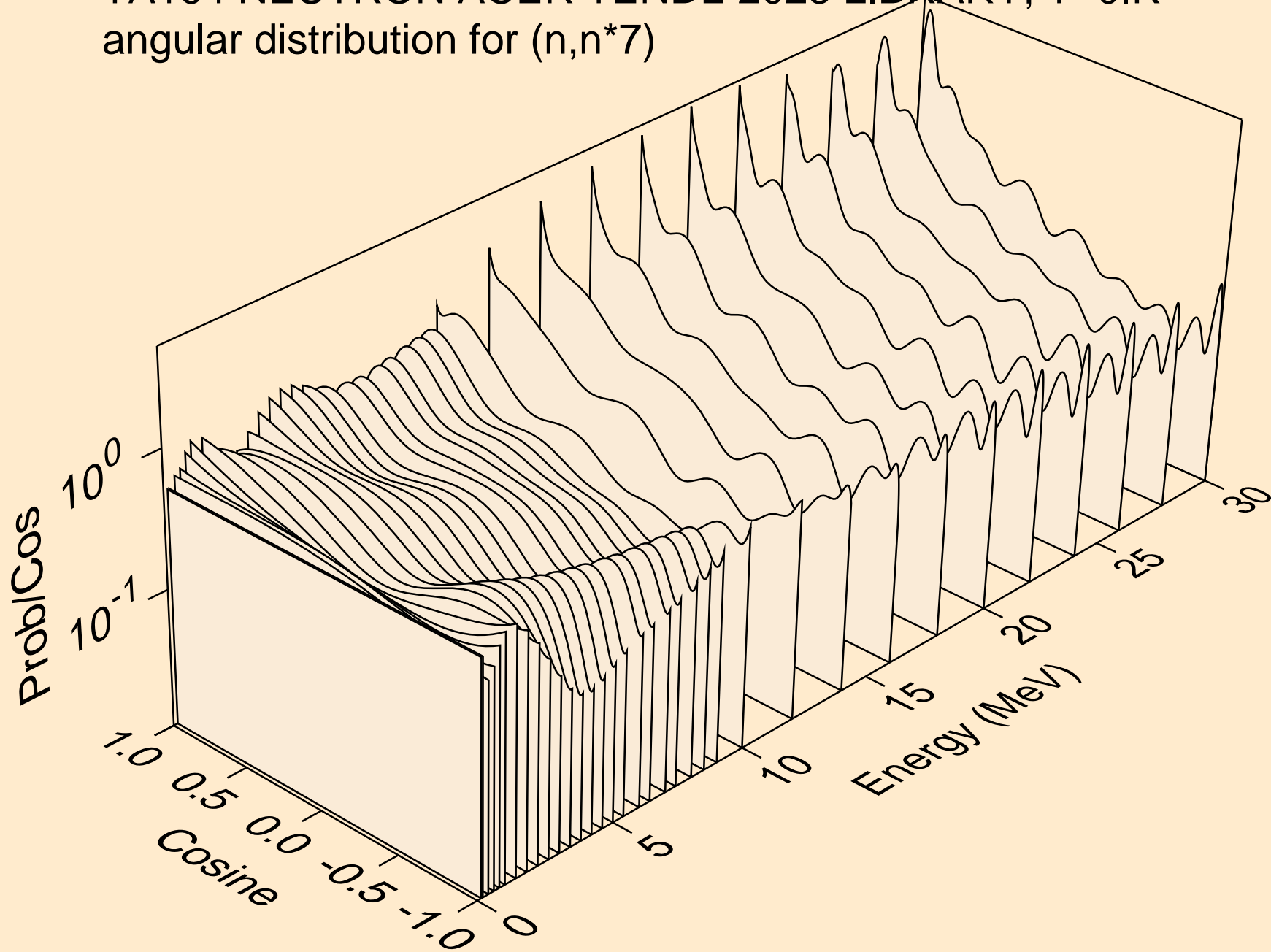
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*5)



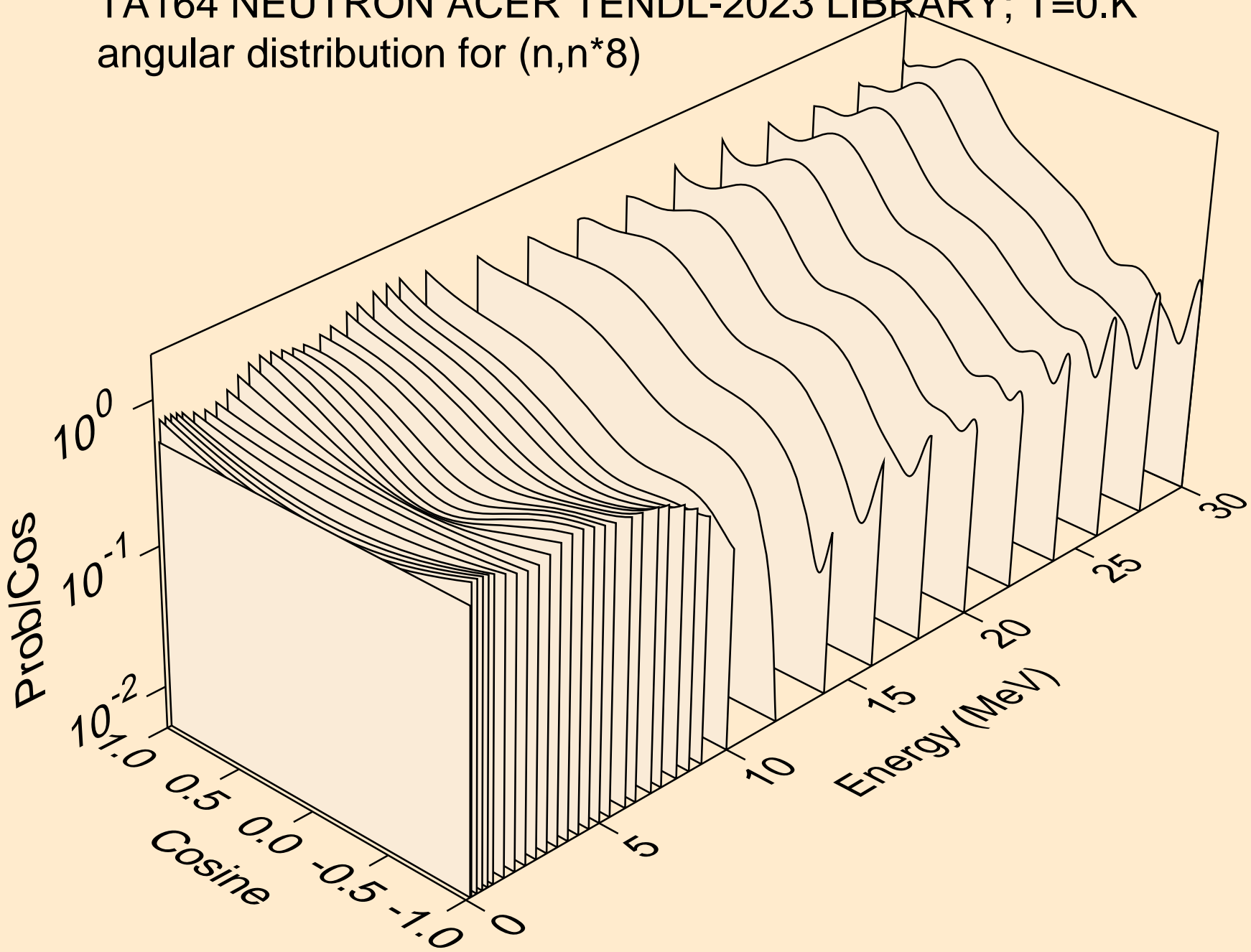
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*6)



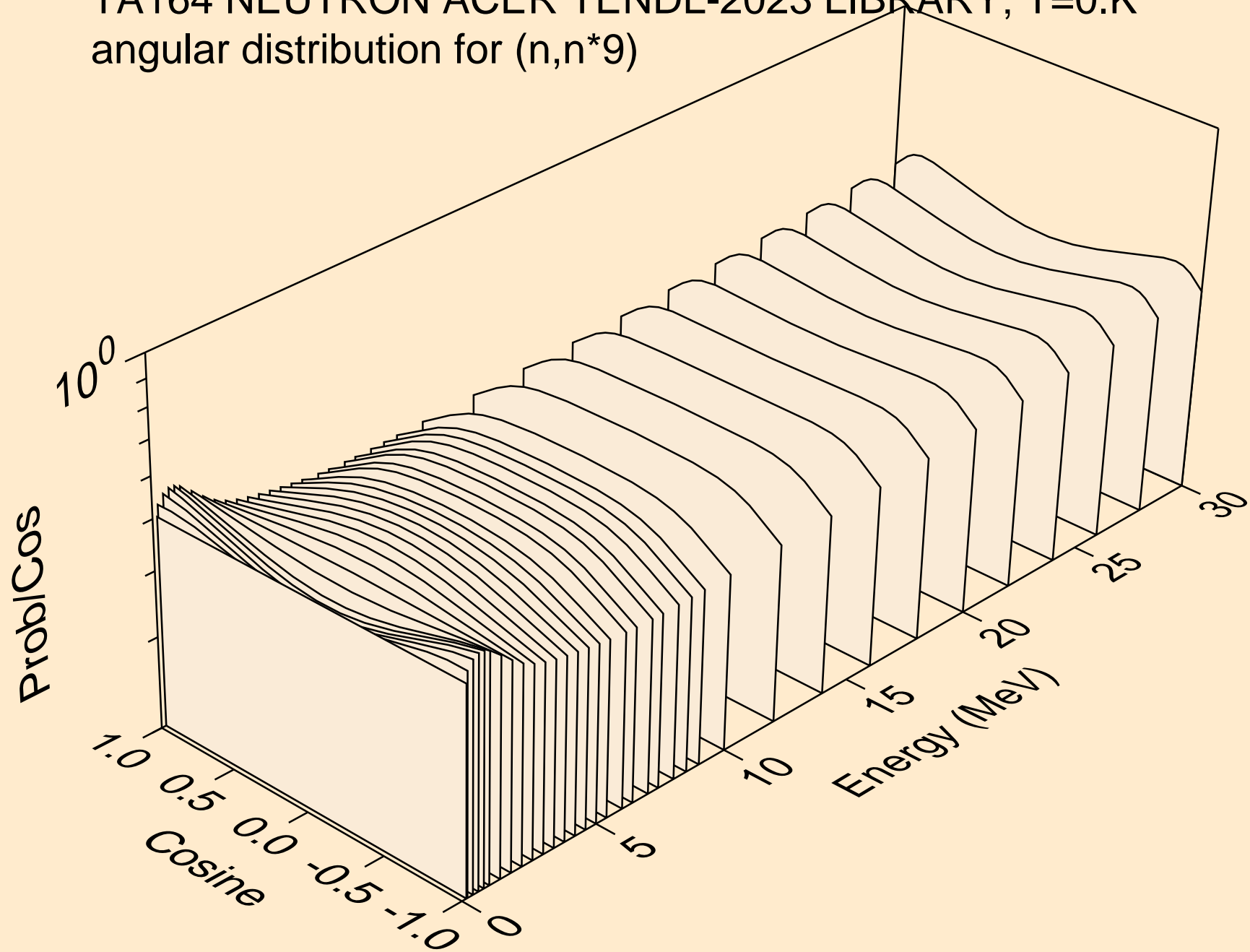
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*7)



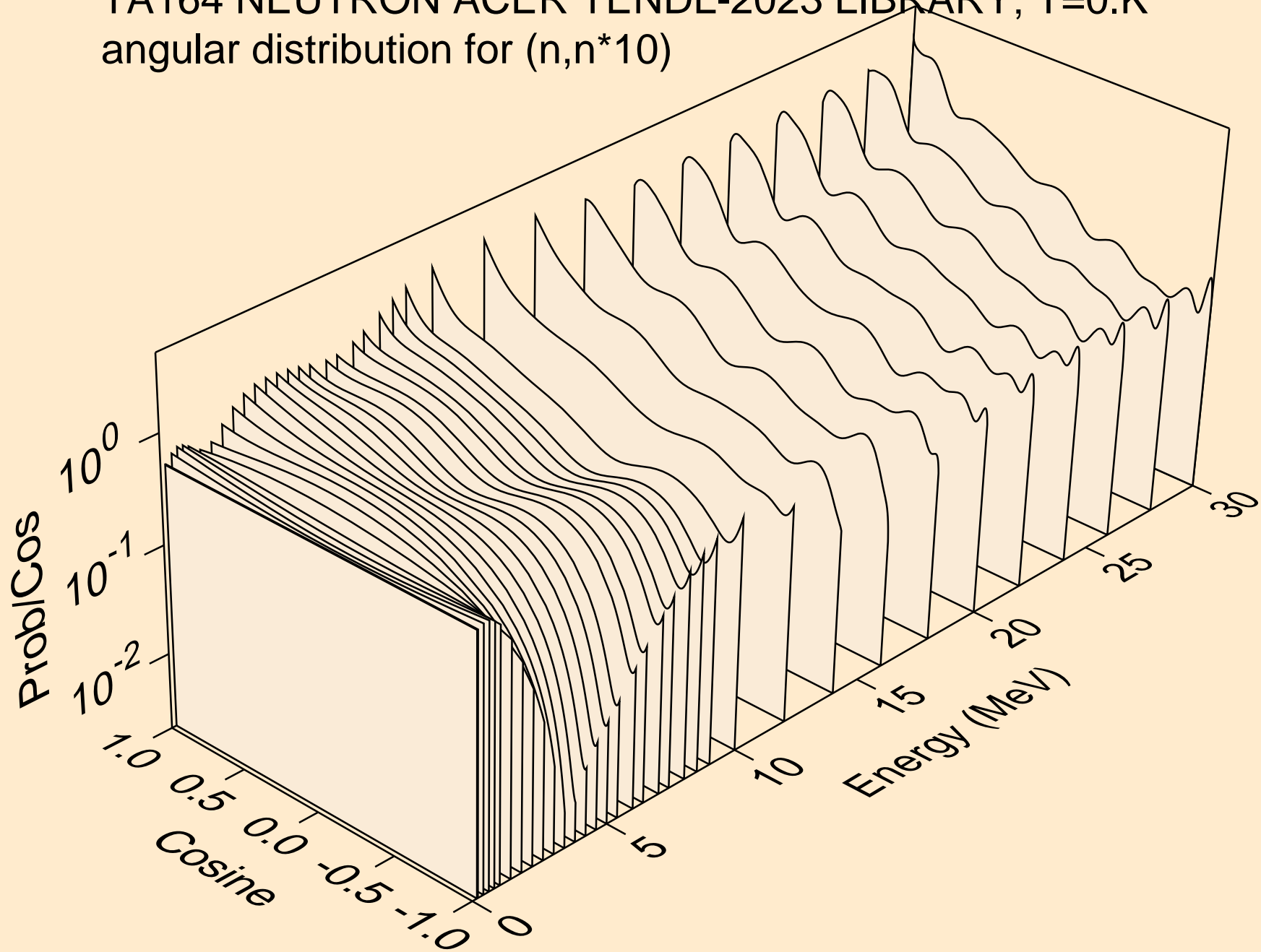
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*8)



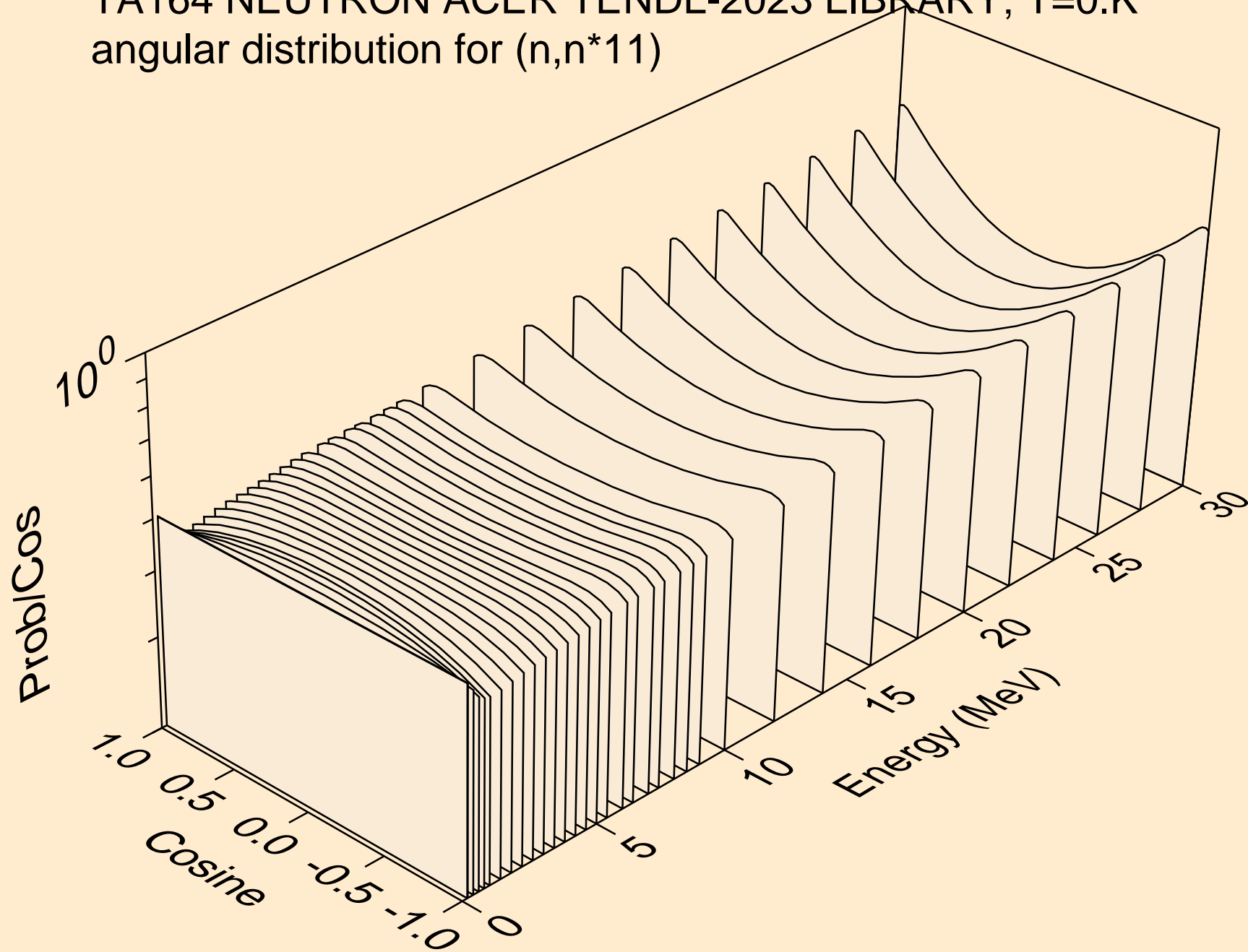
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*9)



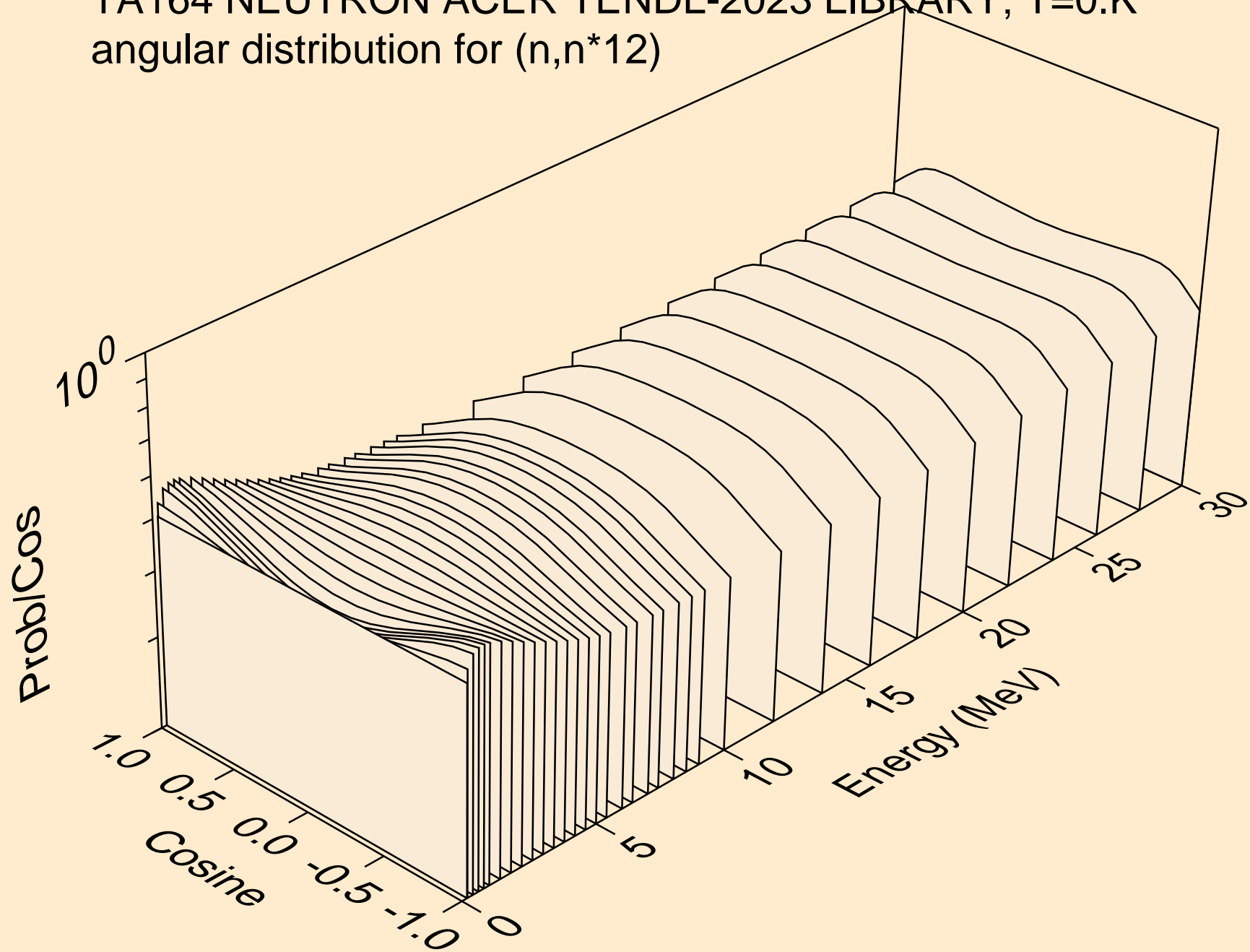
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*10)



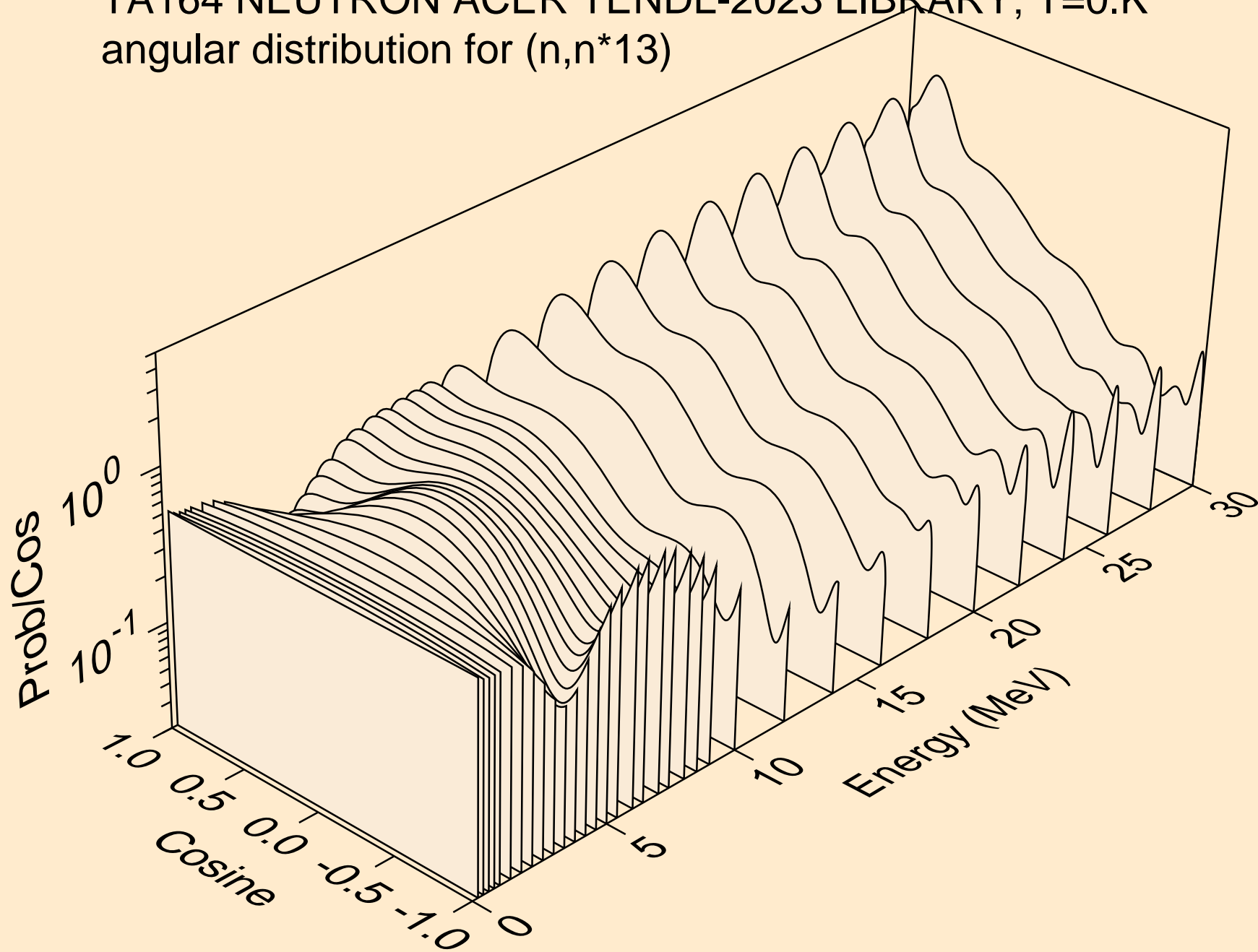
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*11)



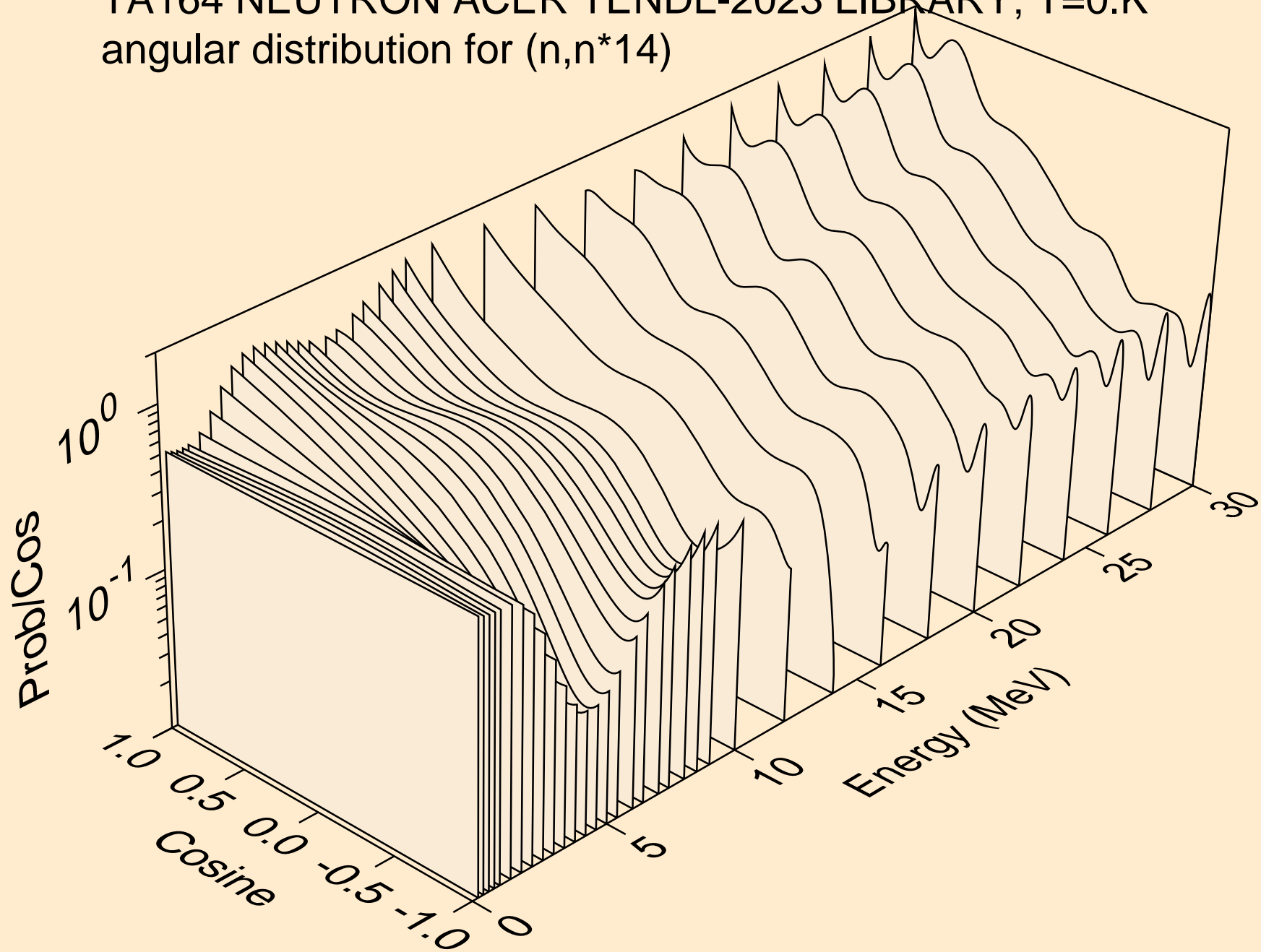
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*12)



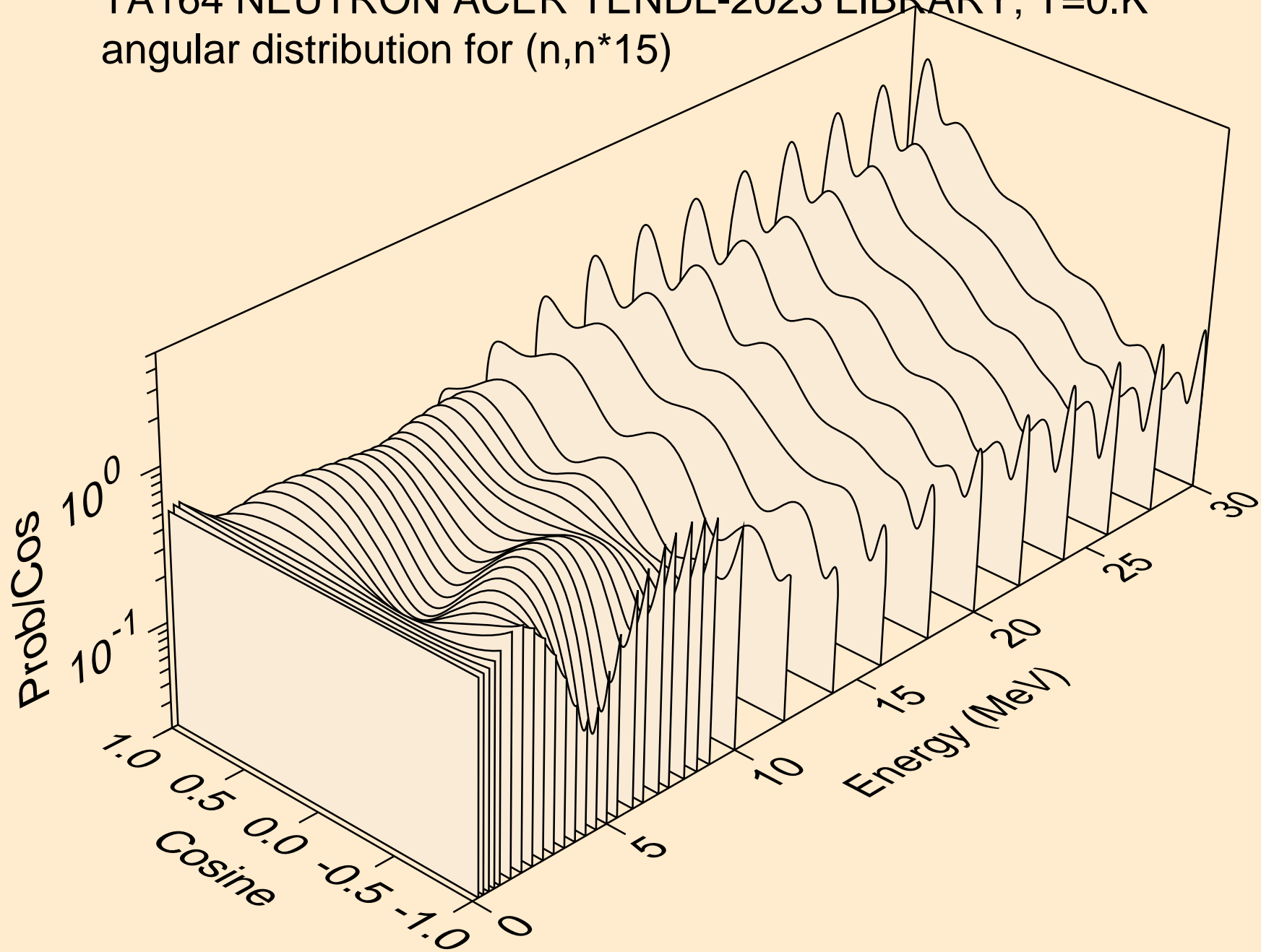
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*13)



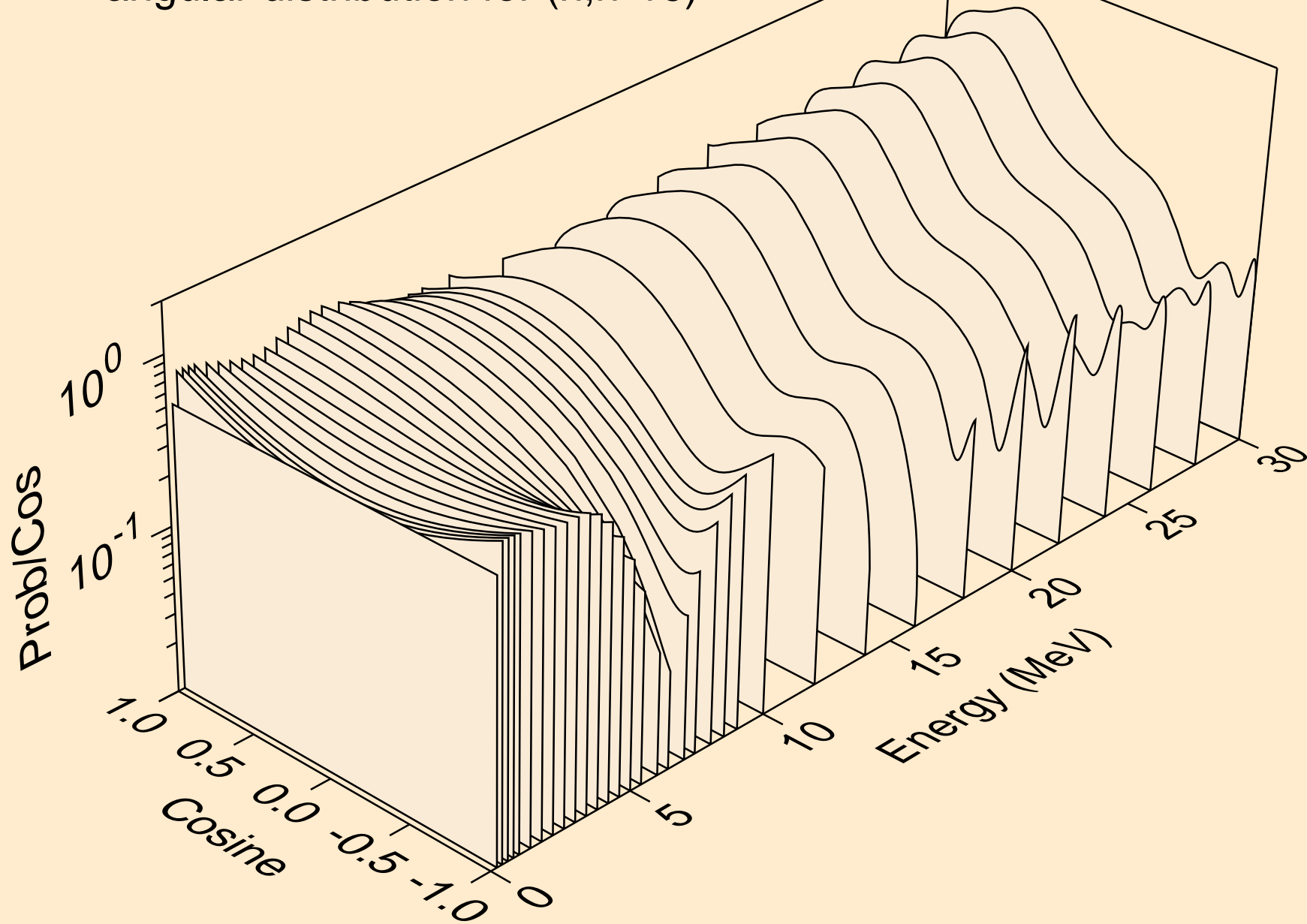
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*14)



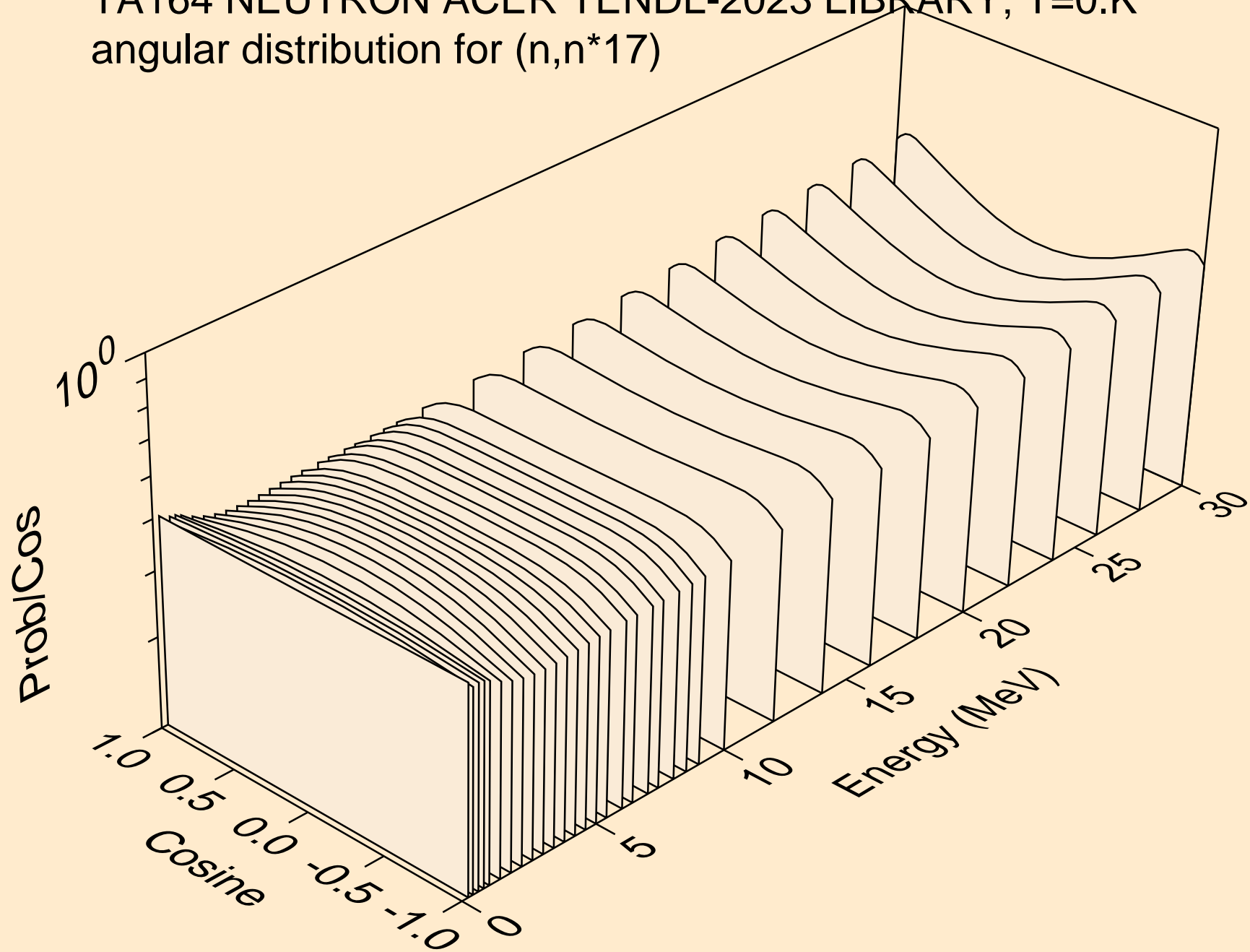
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*15)



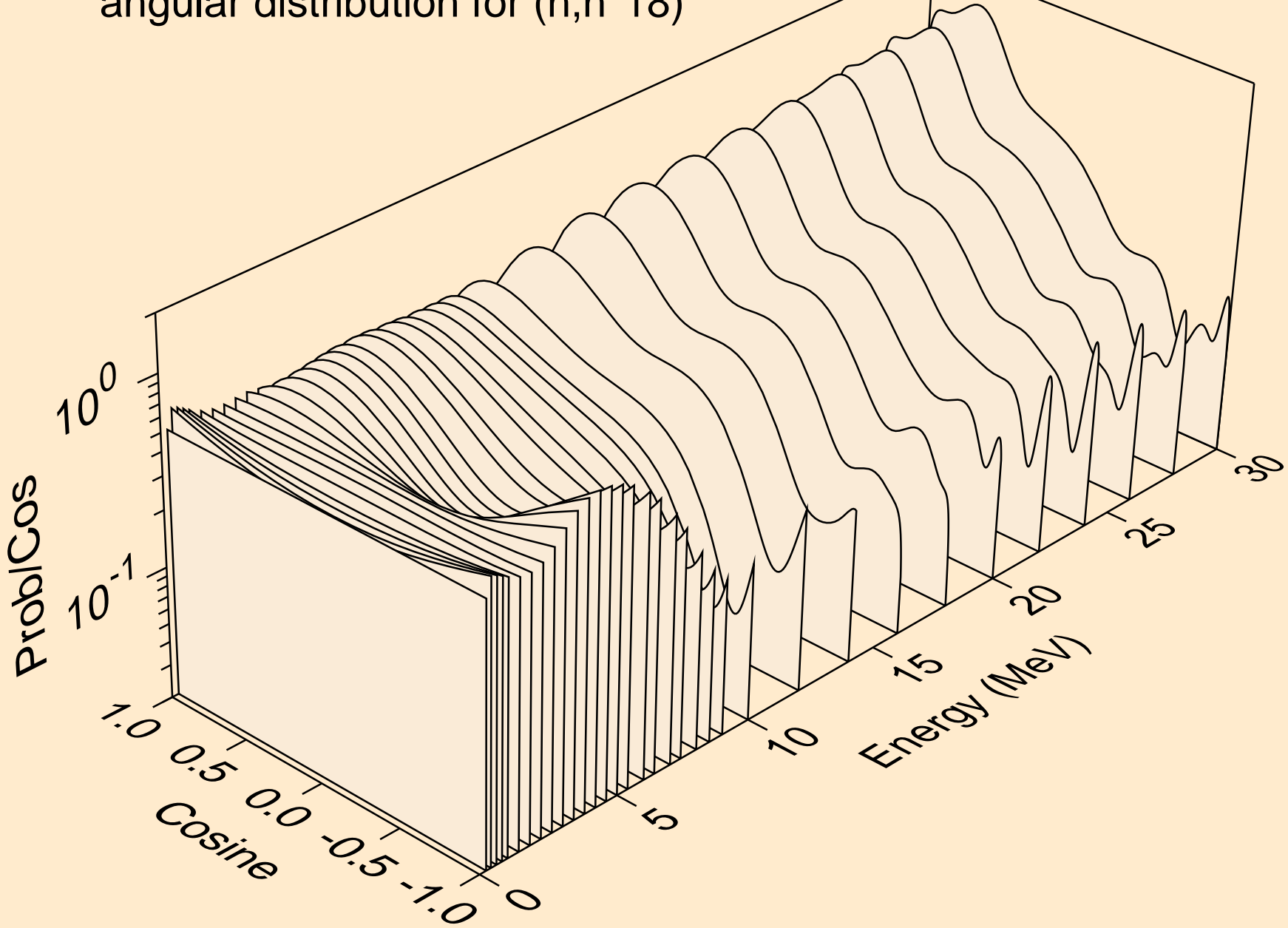
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*16)



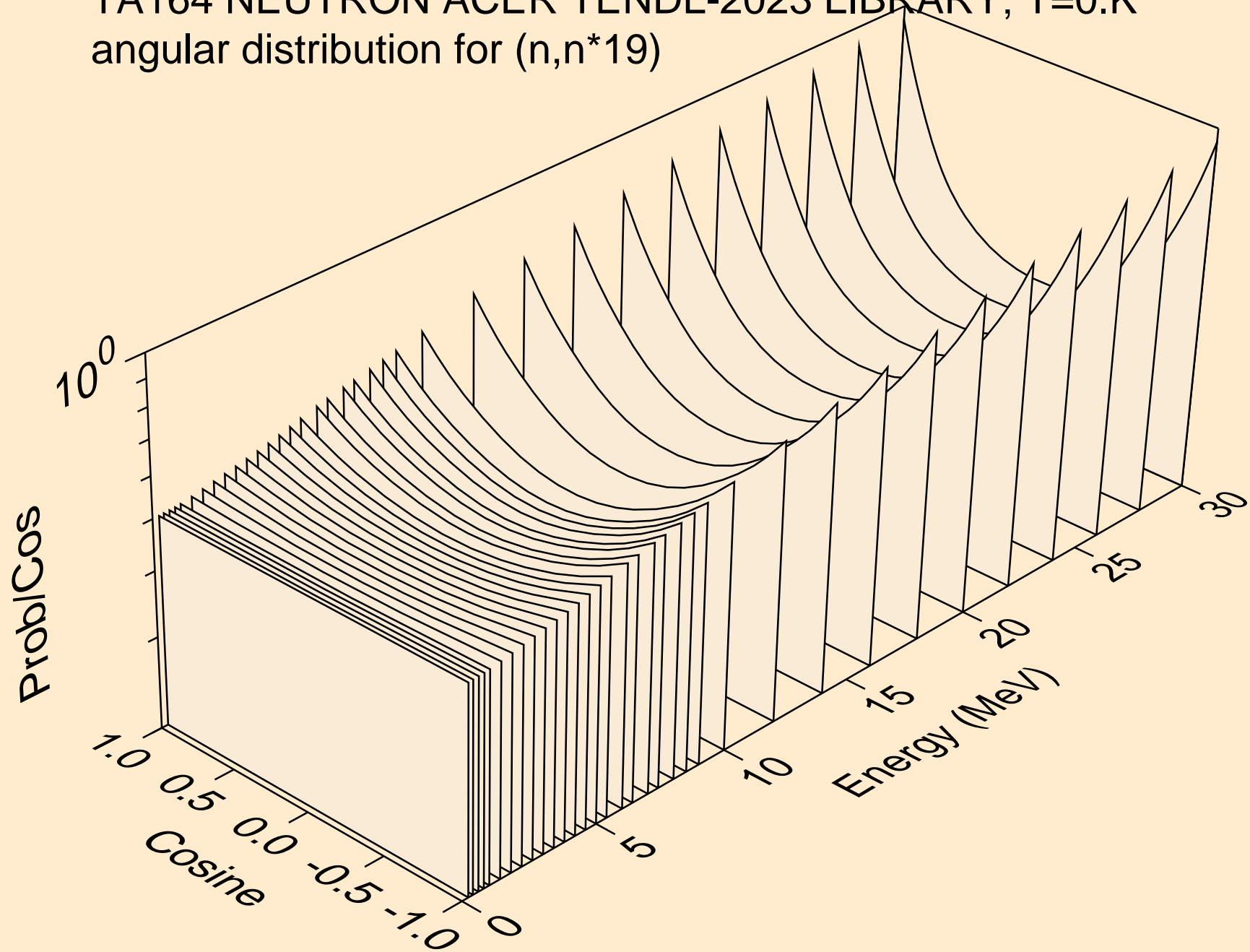
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*17)



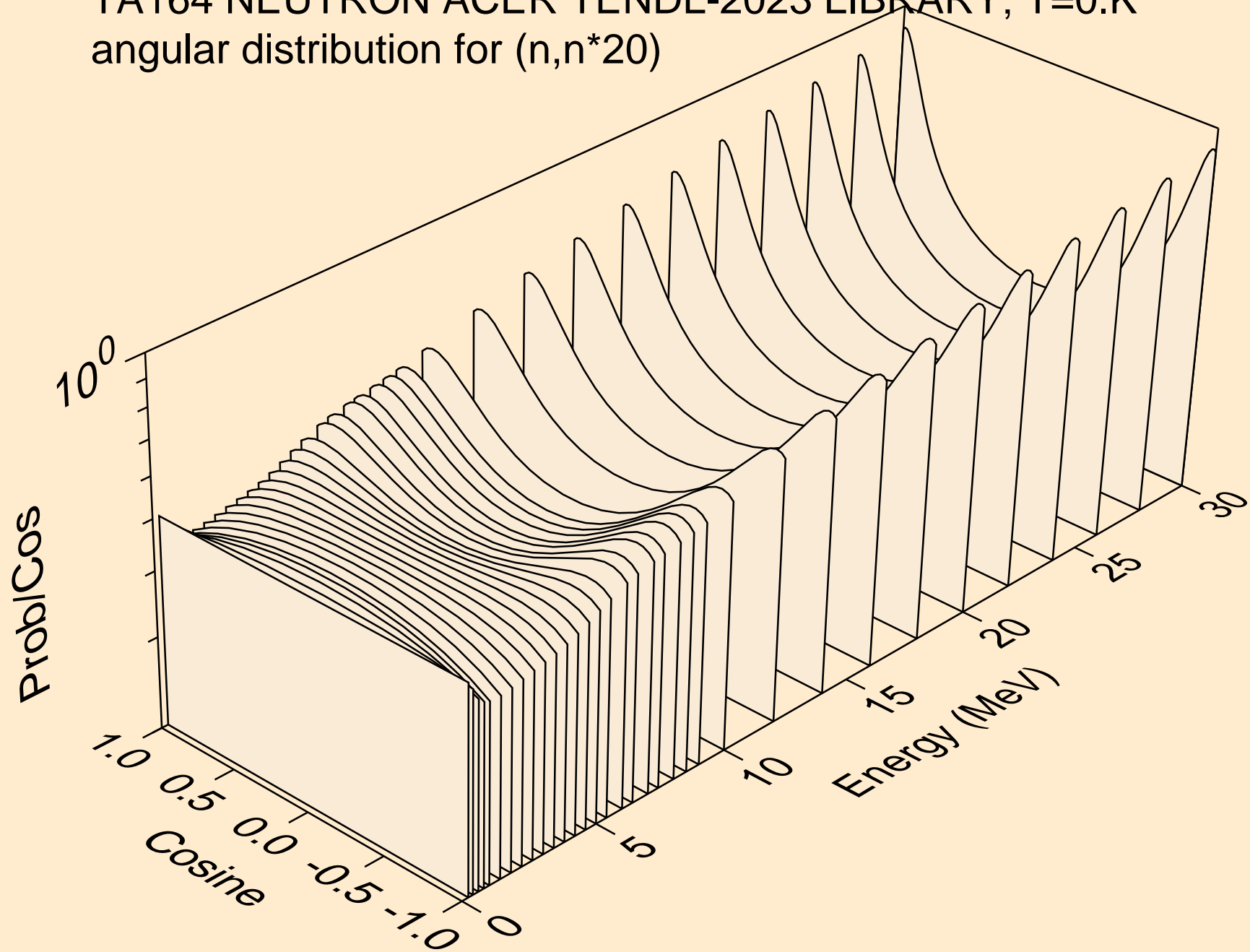
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*18)



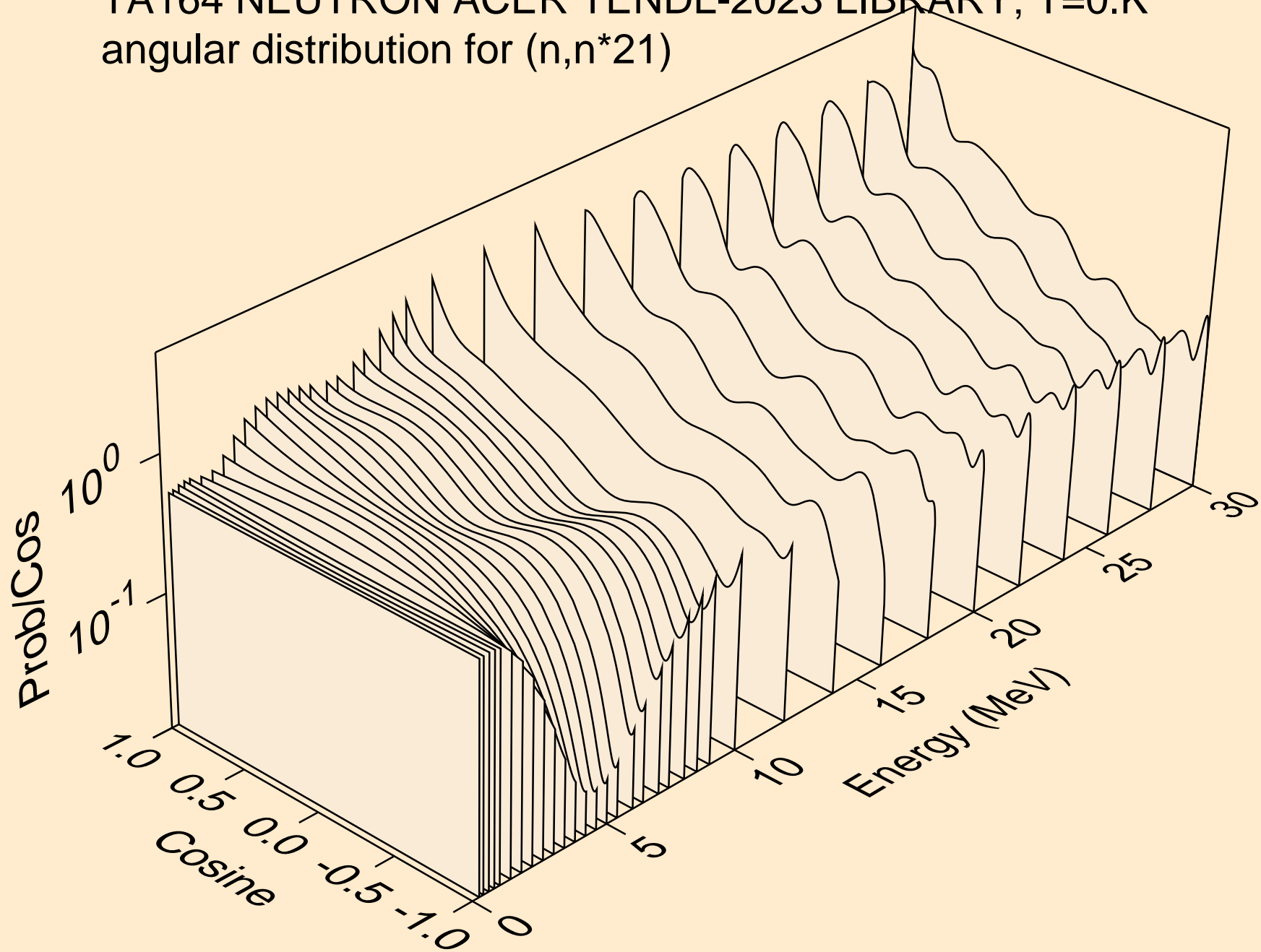
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*19)



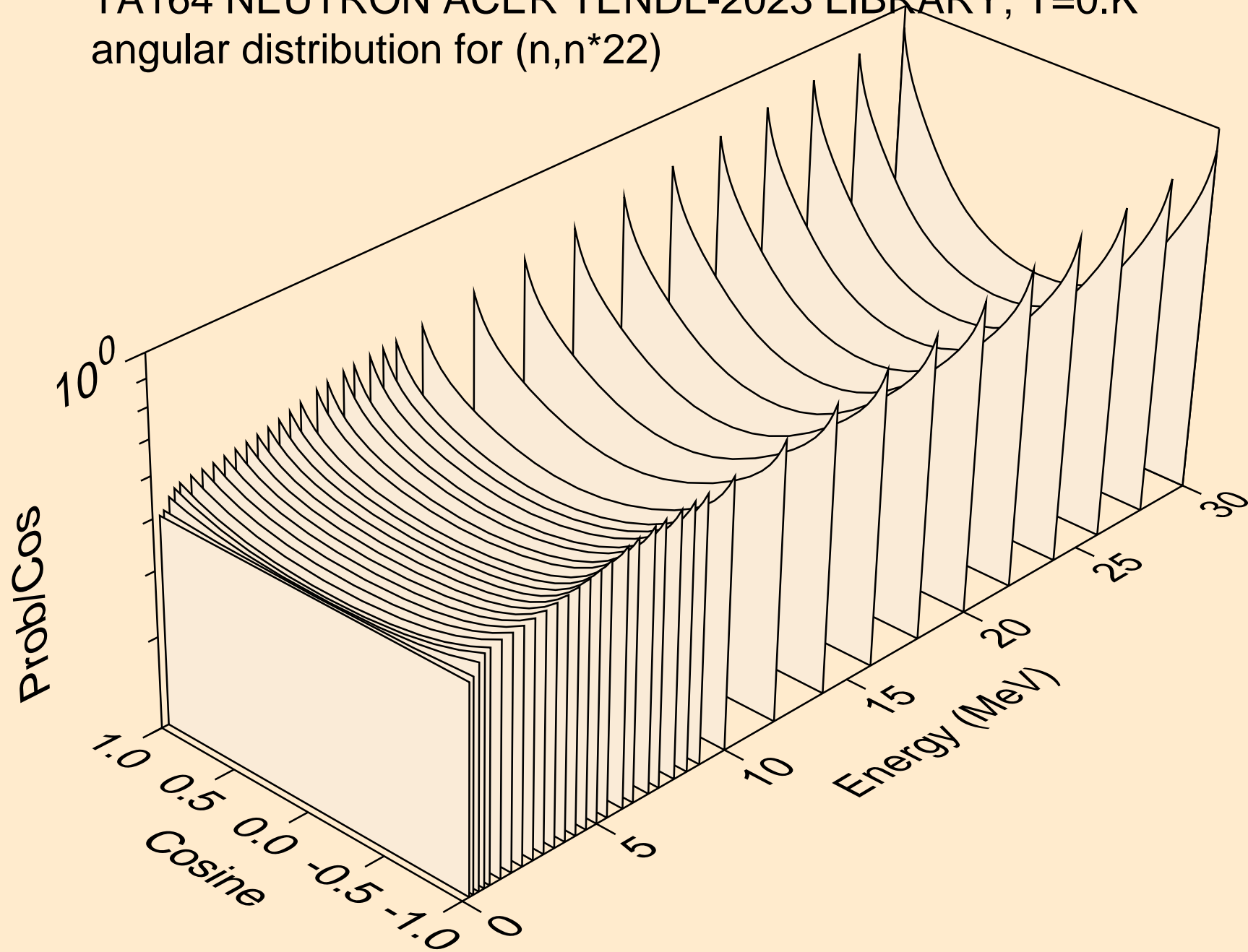
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*20)



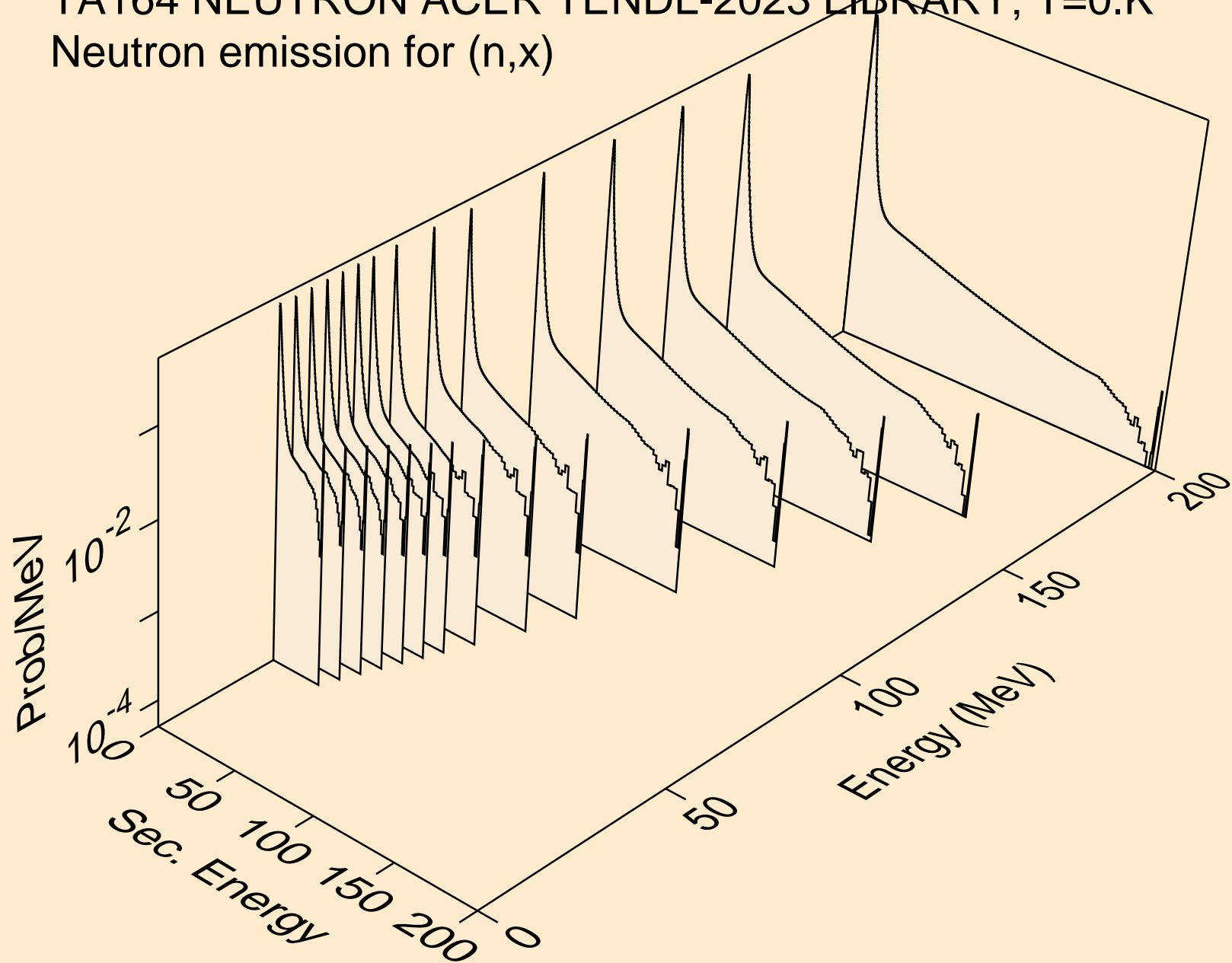
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*21)



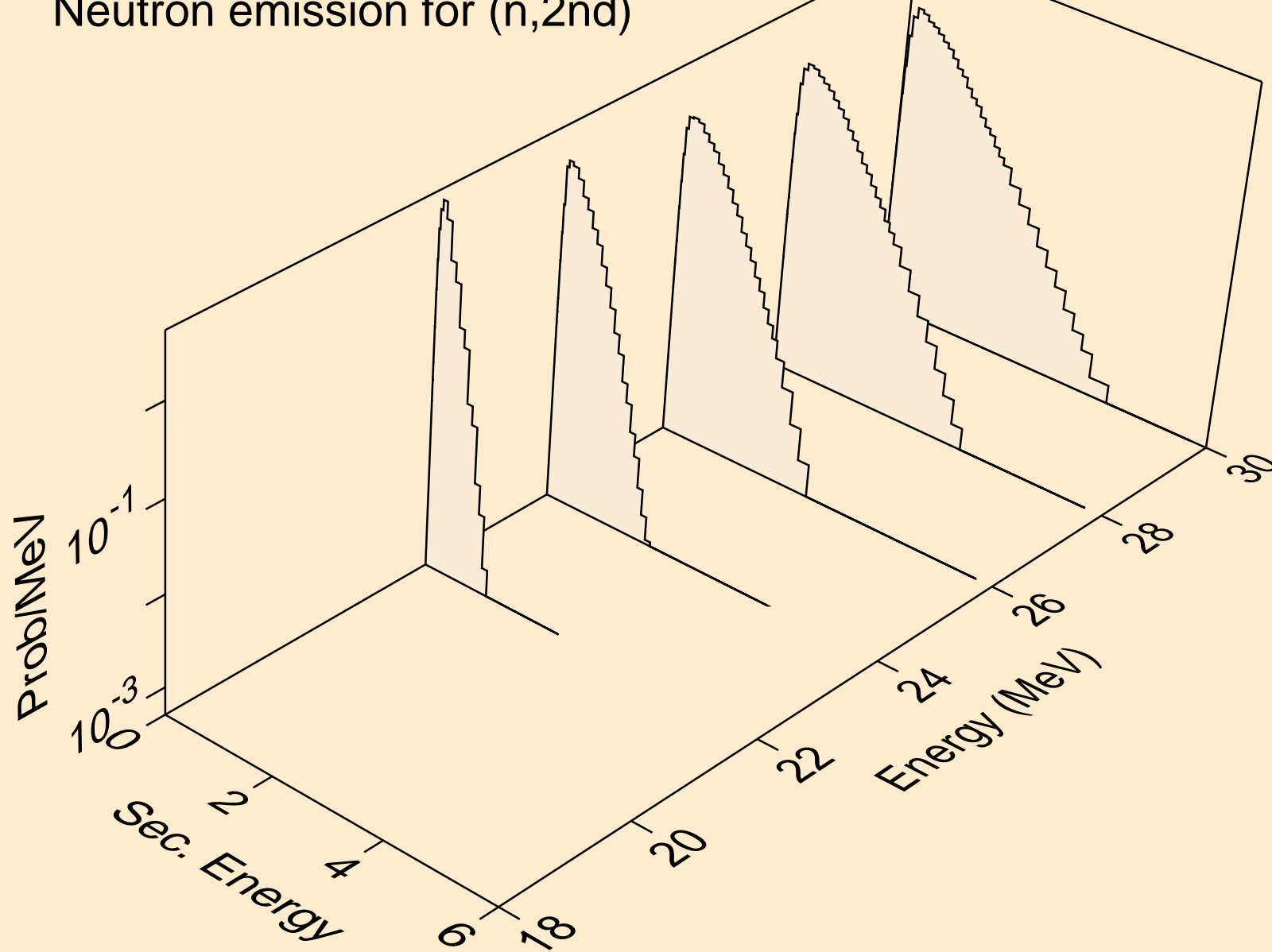
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*22)



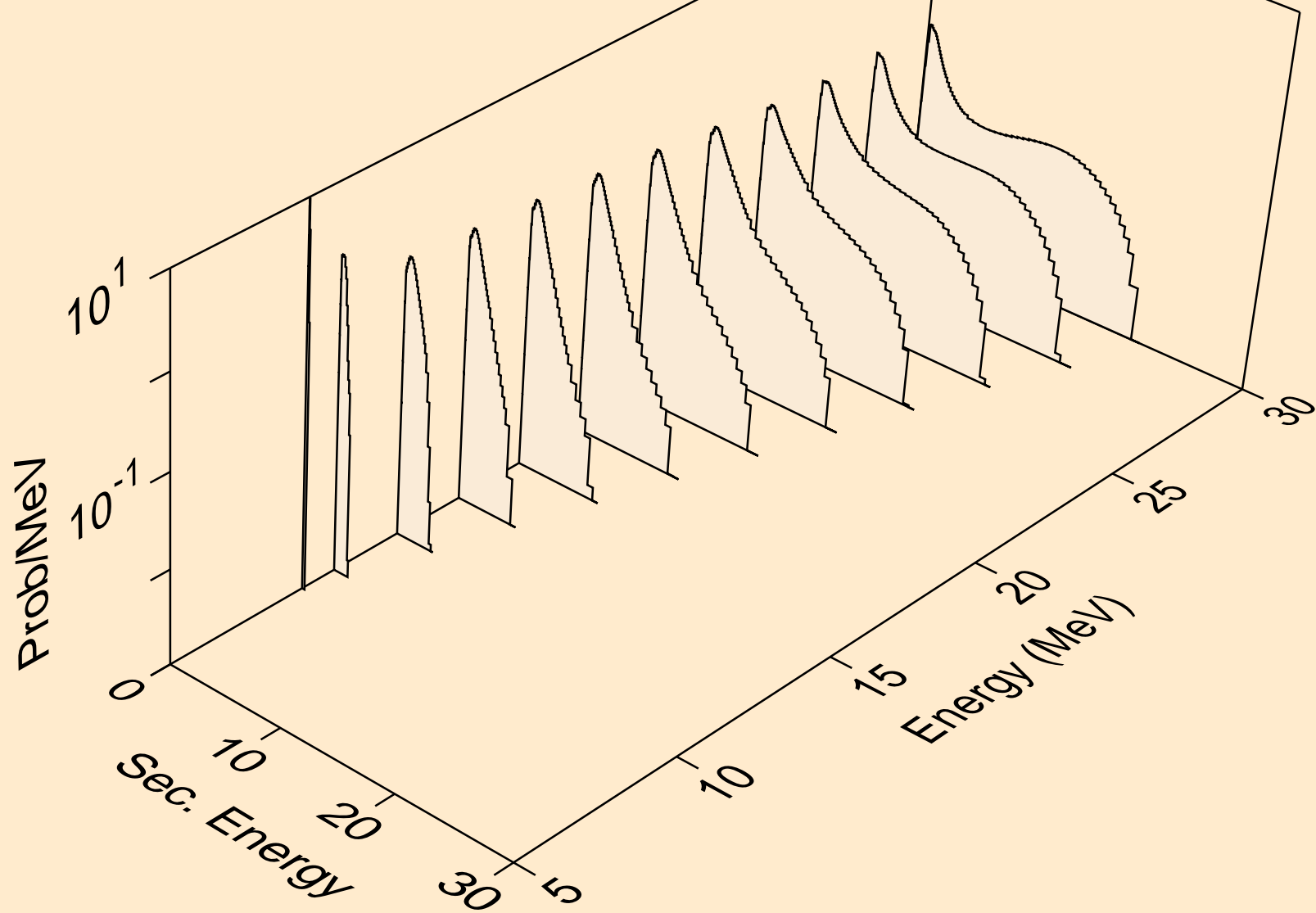
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,x)



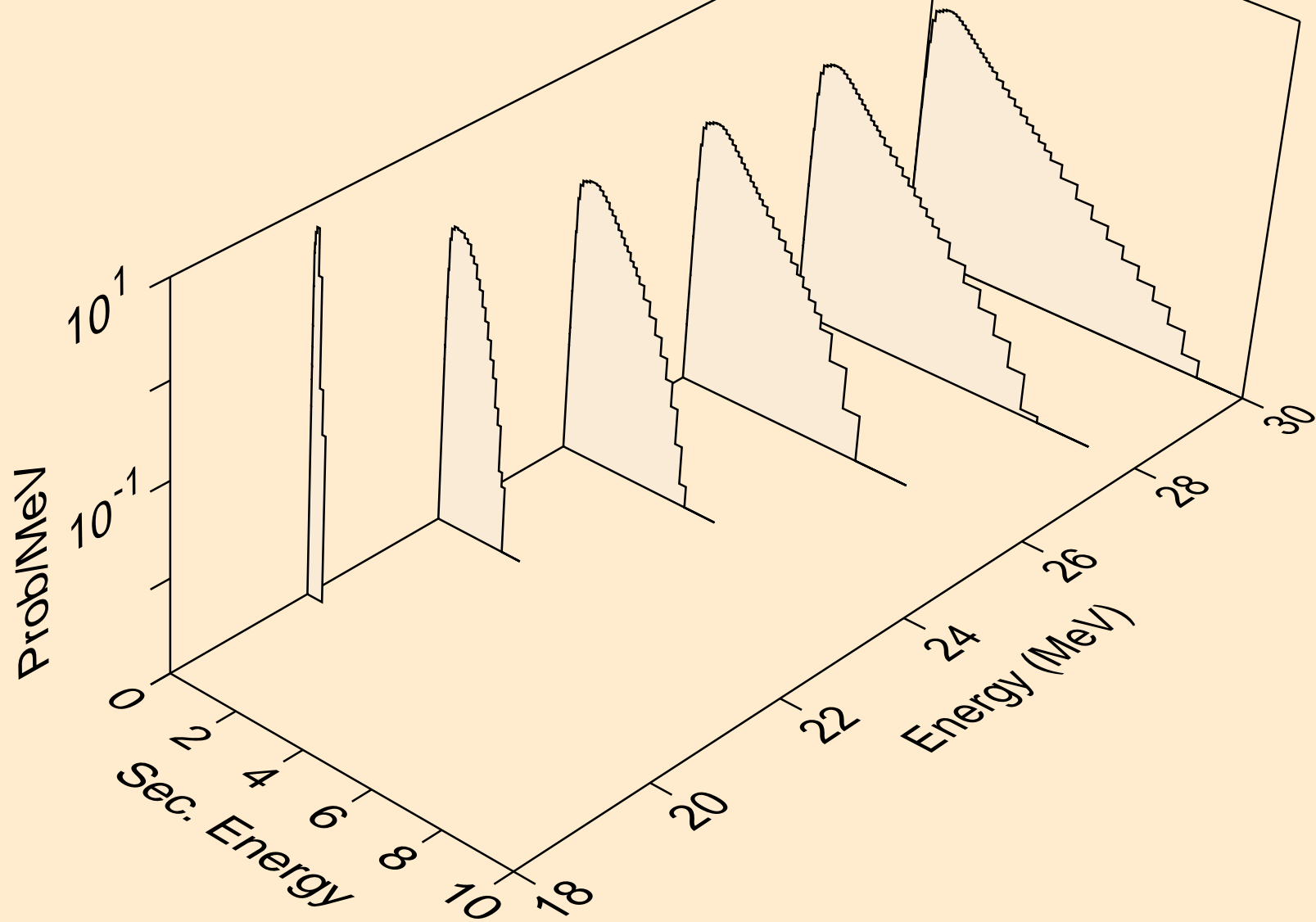
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



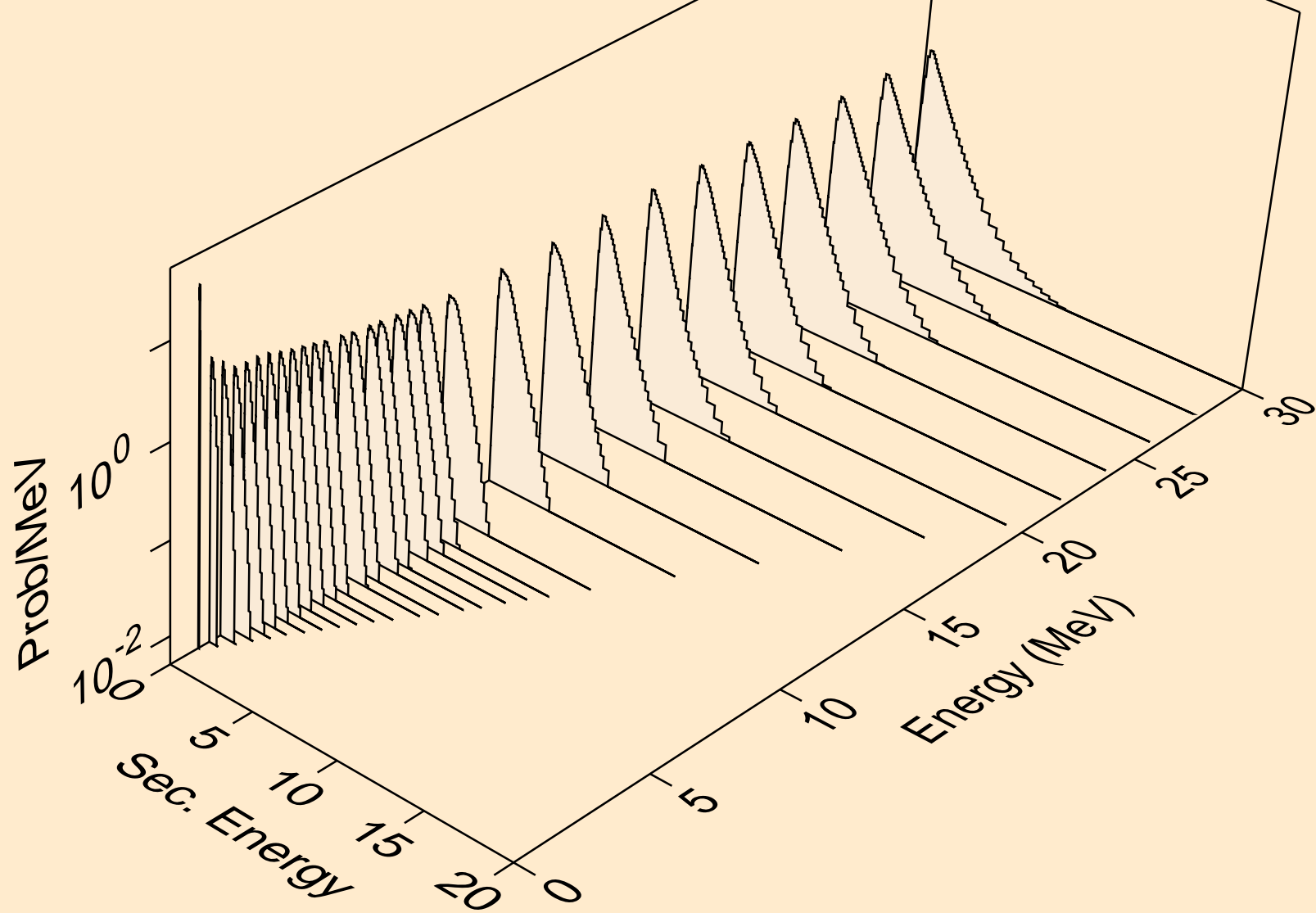
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)



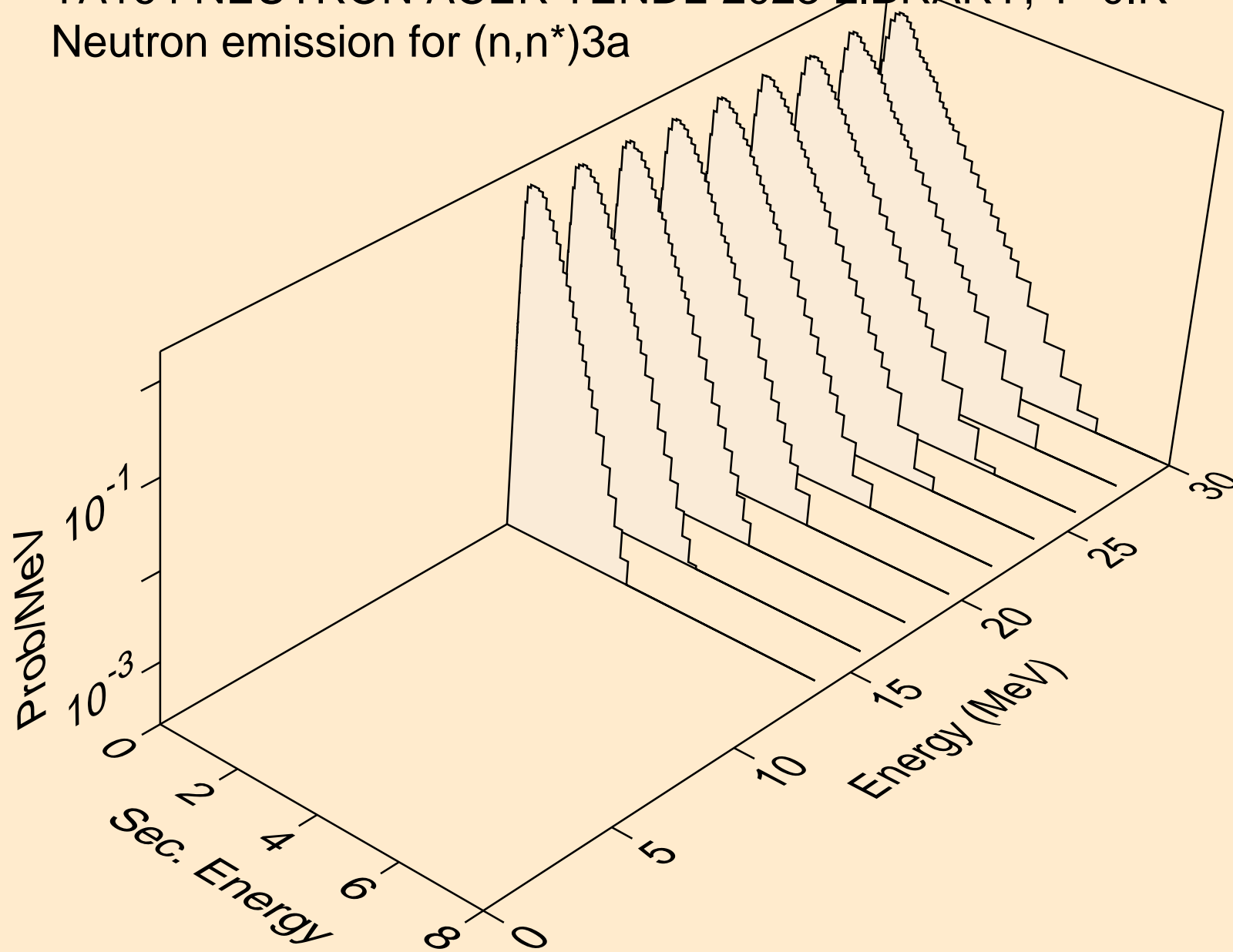
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)



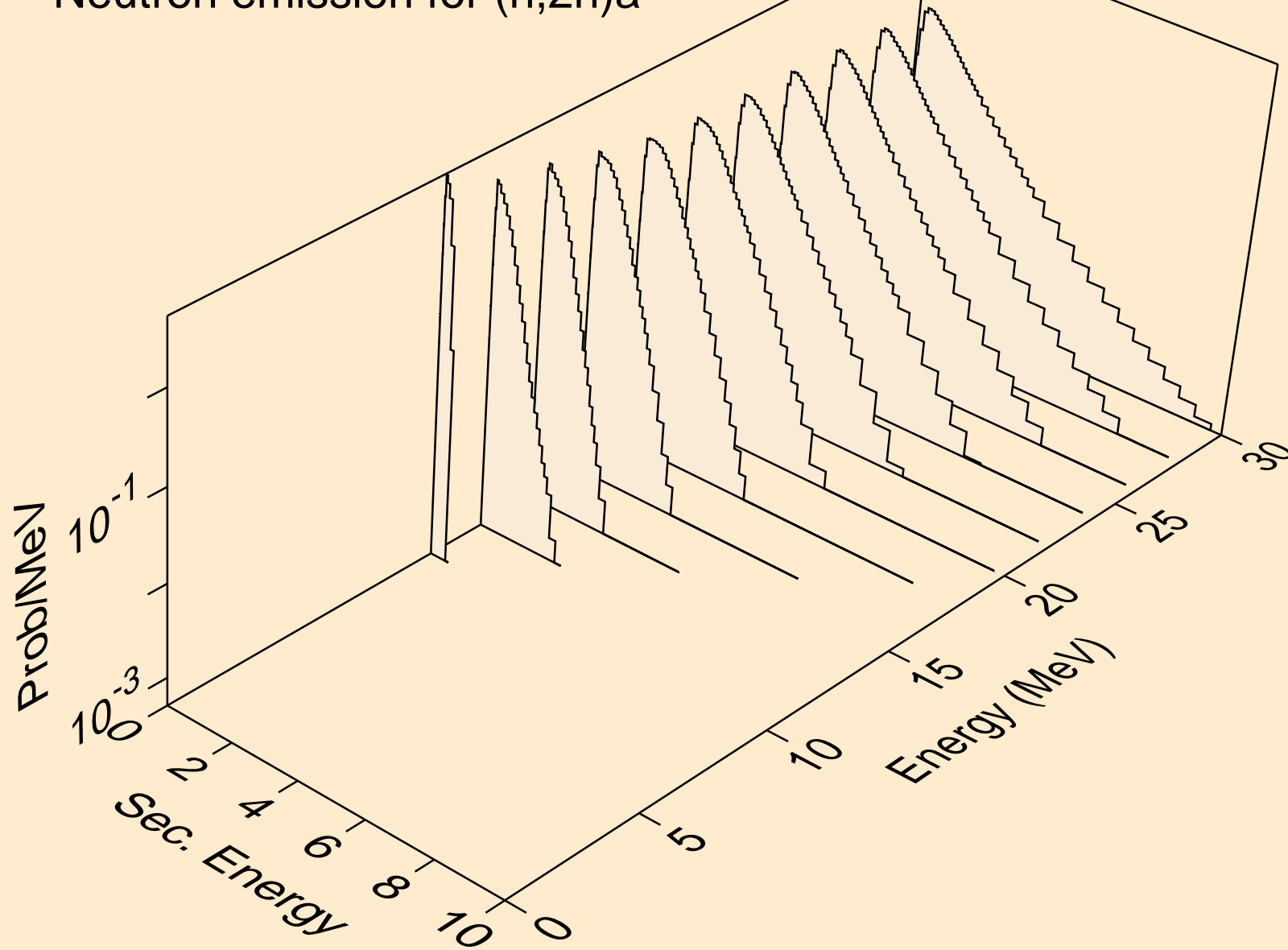
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



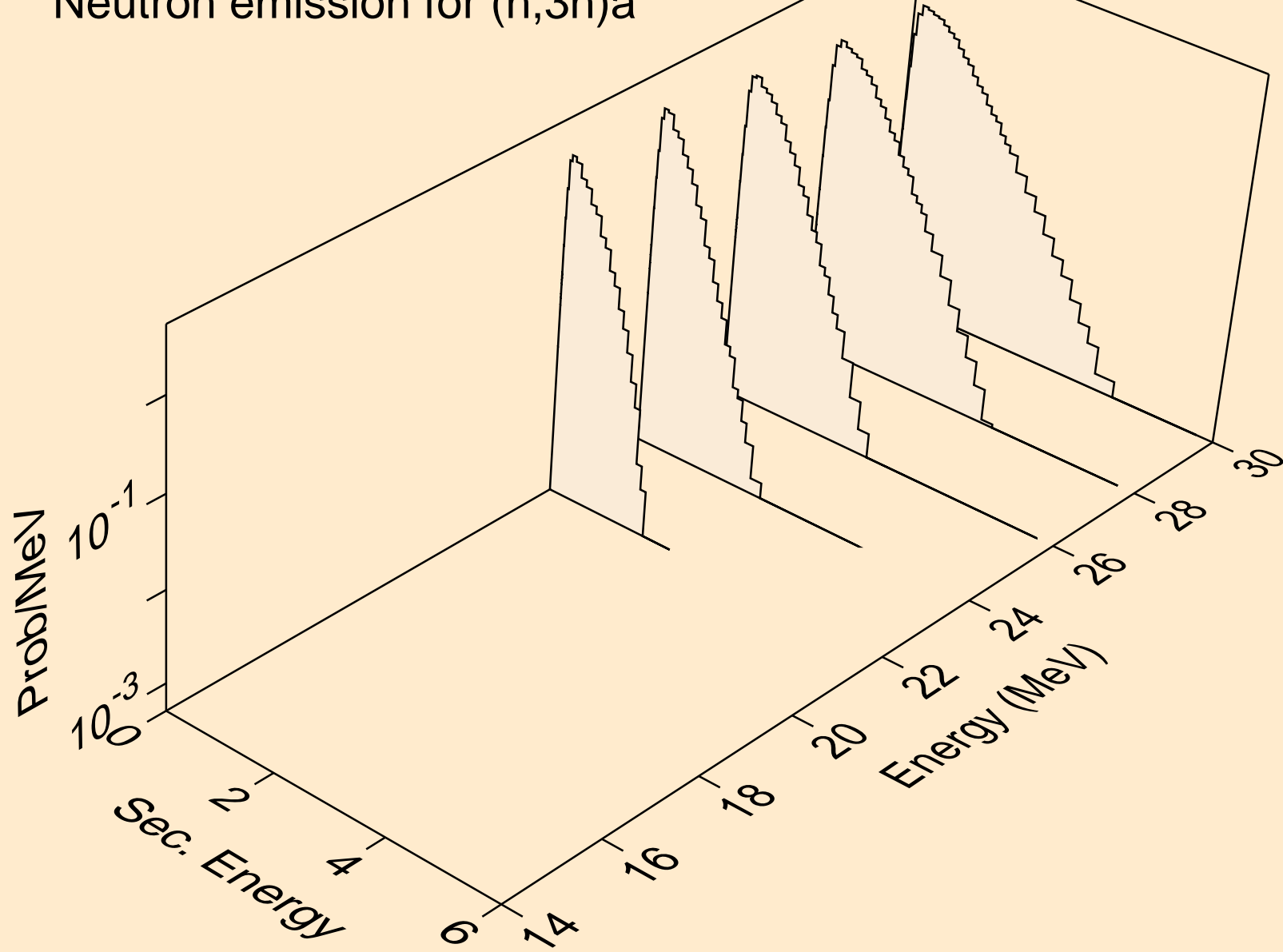
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)3a



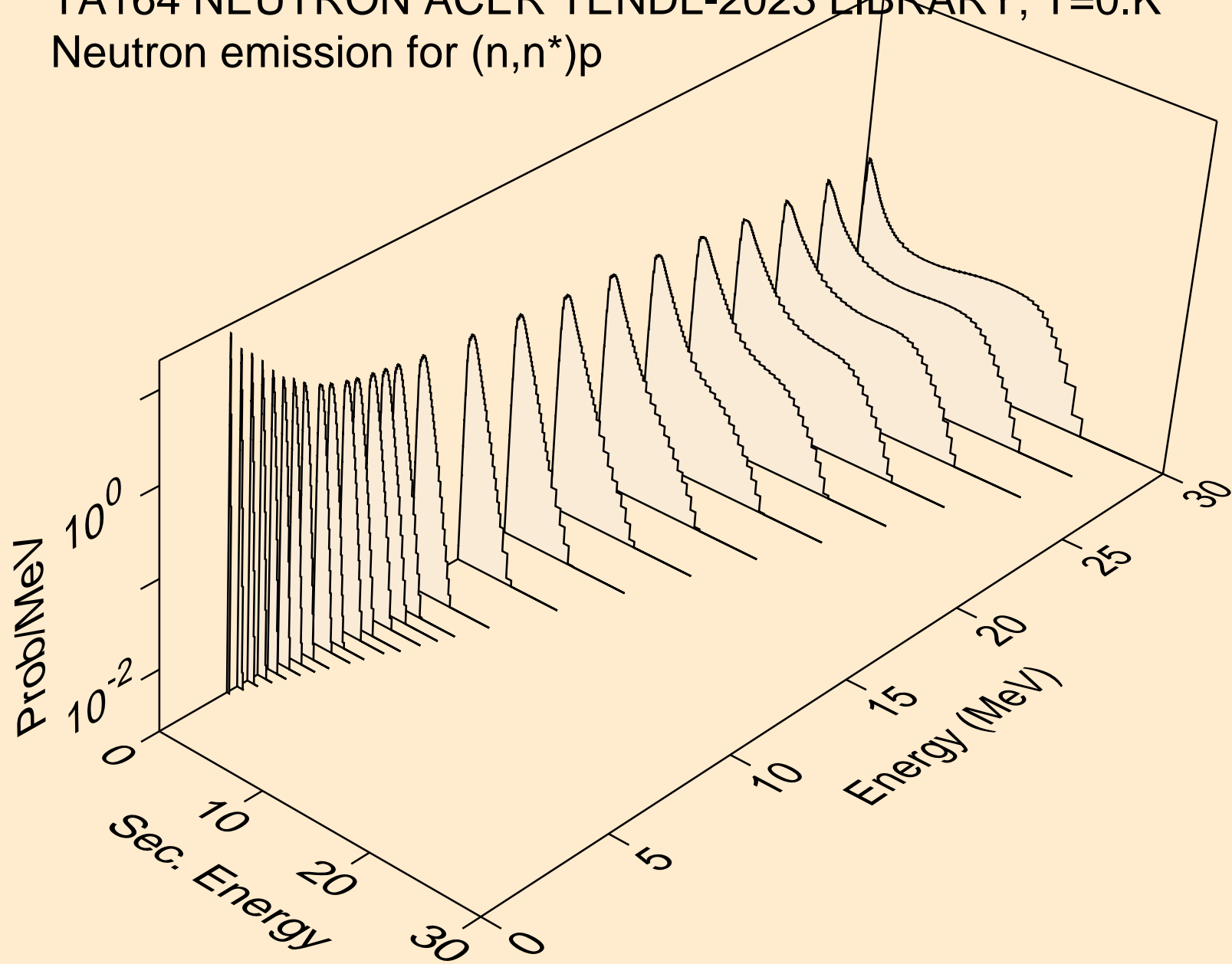
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)a



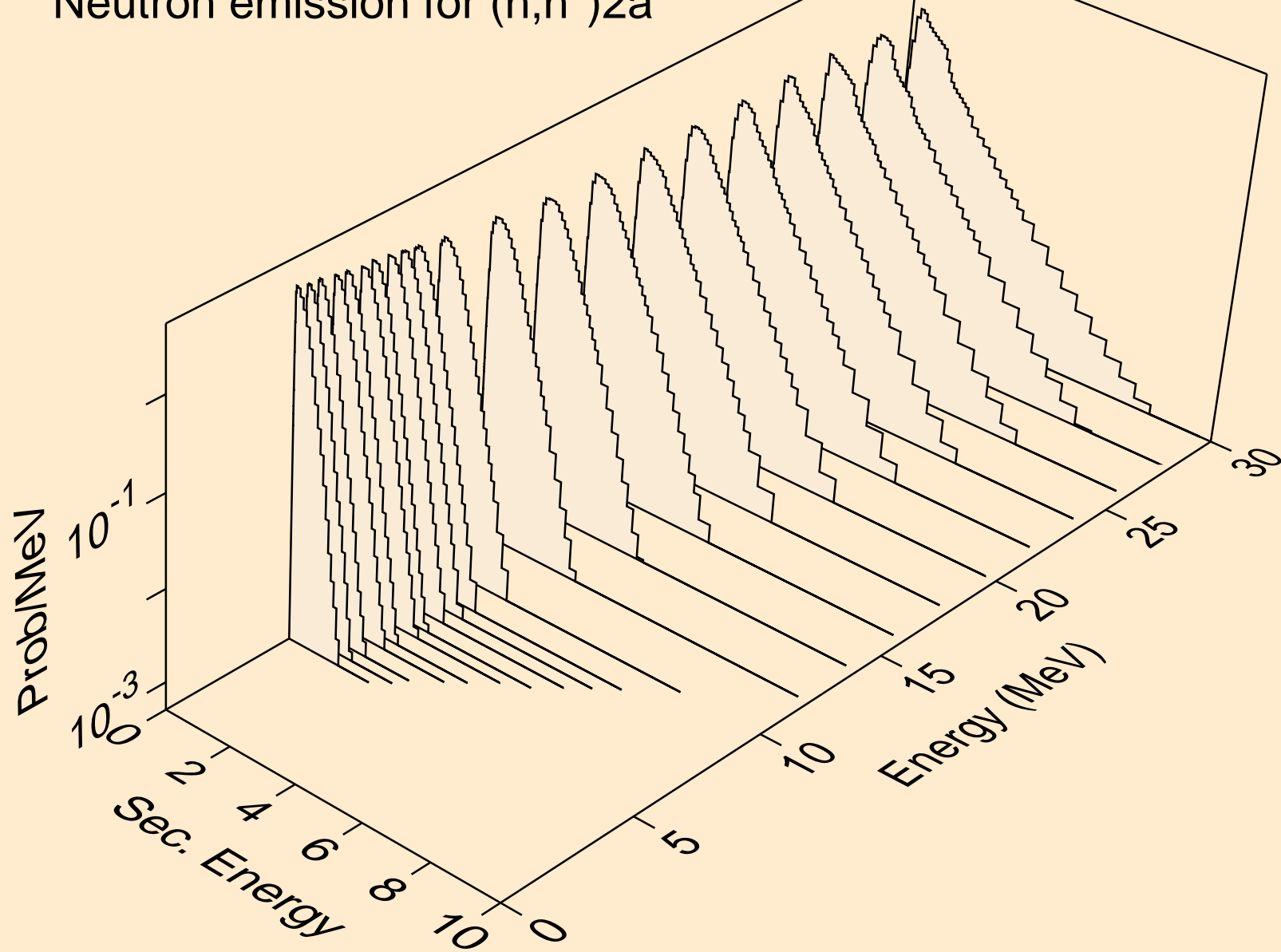
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)<sub>a</sub>



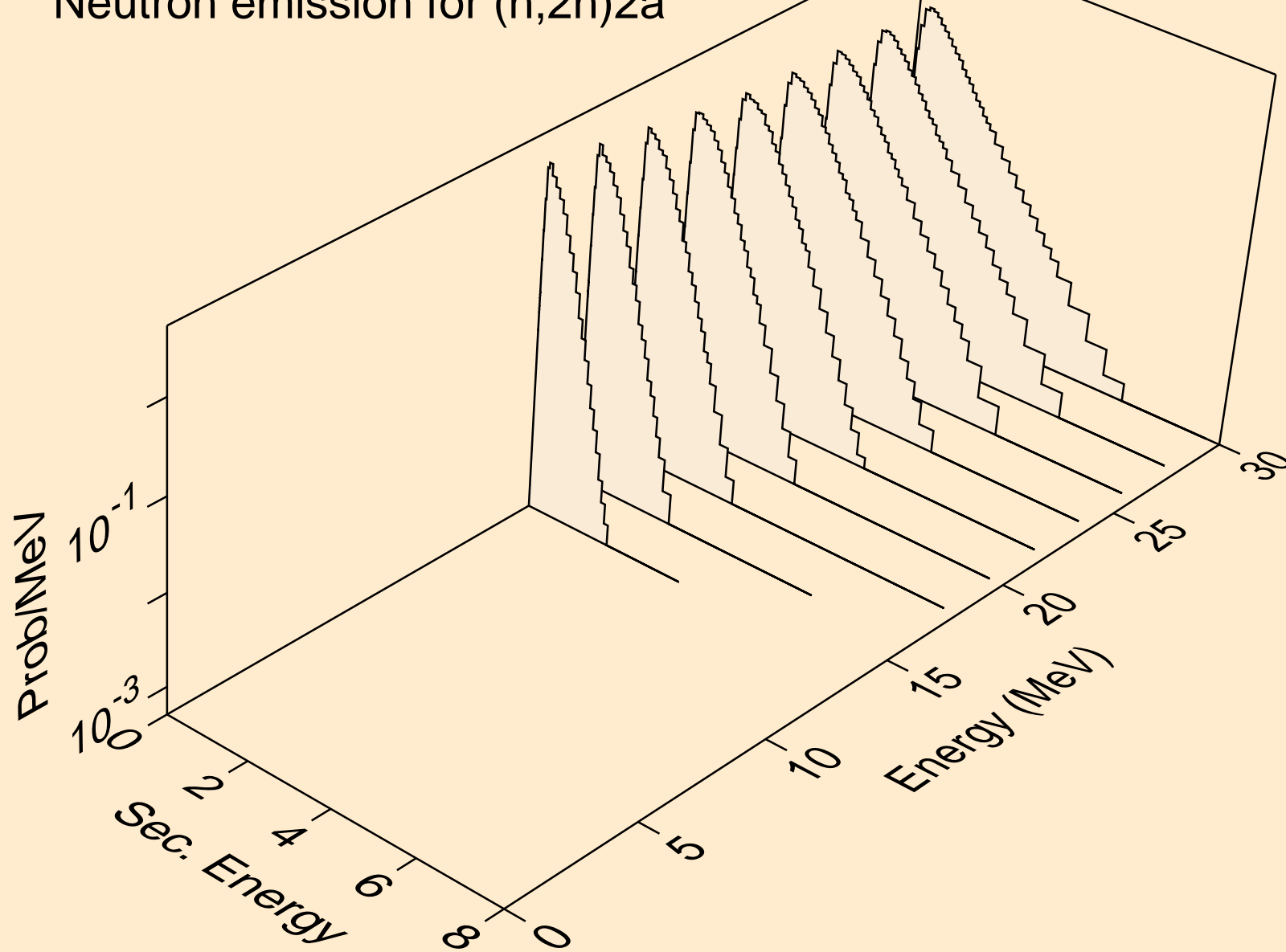
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



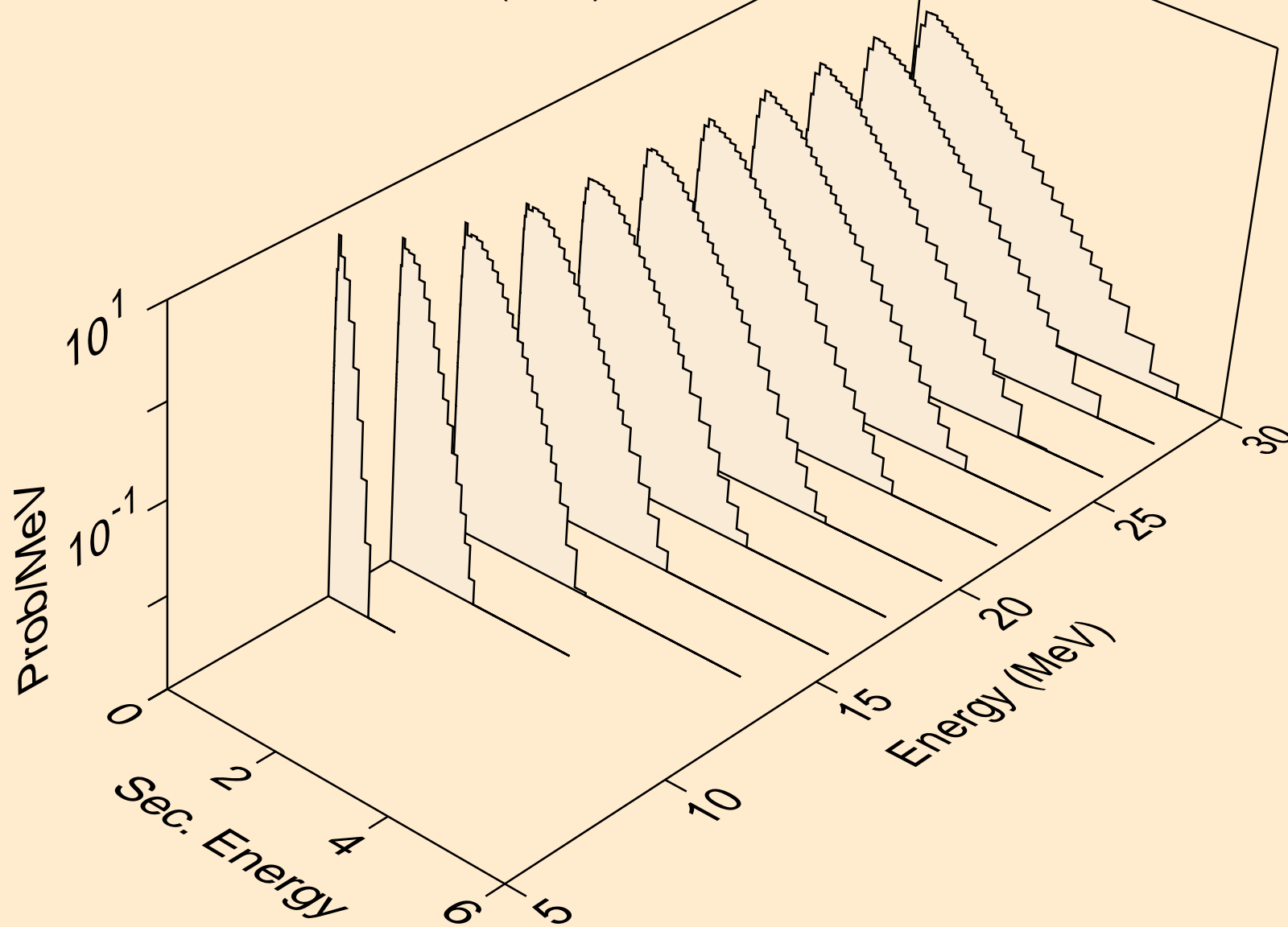
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)2a



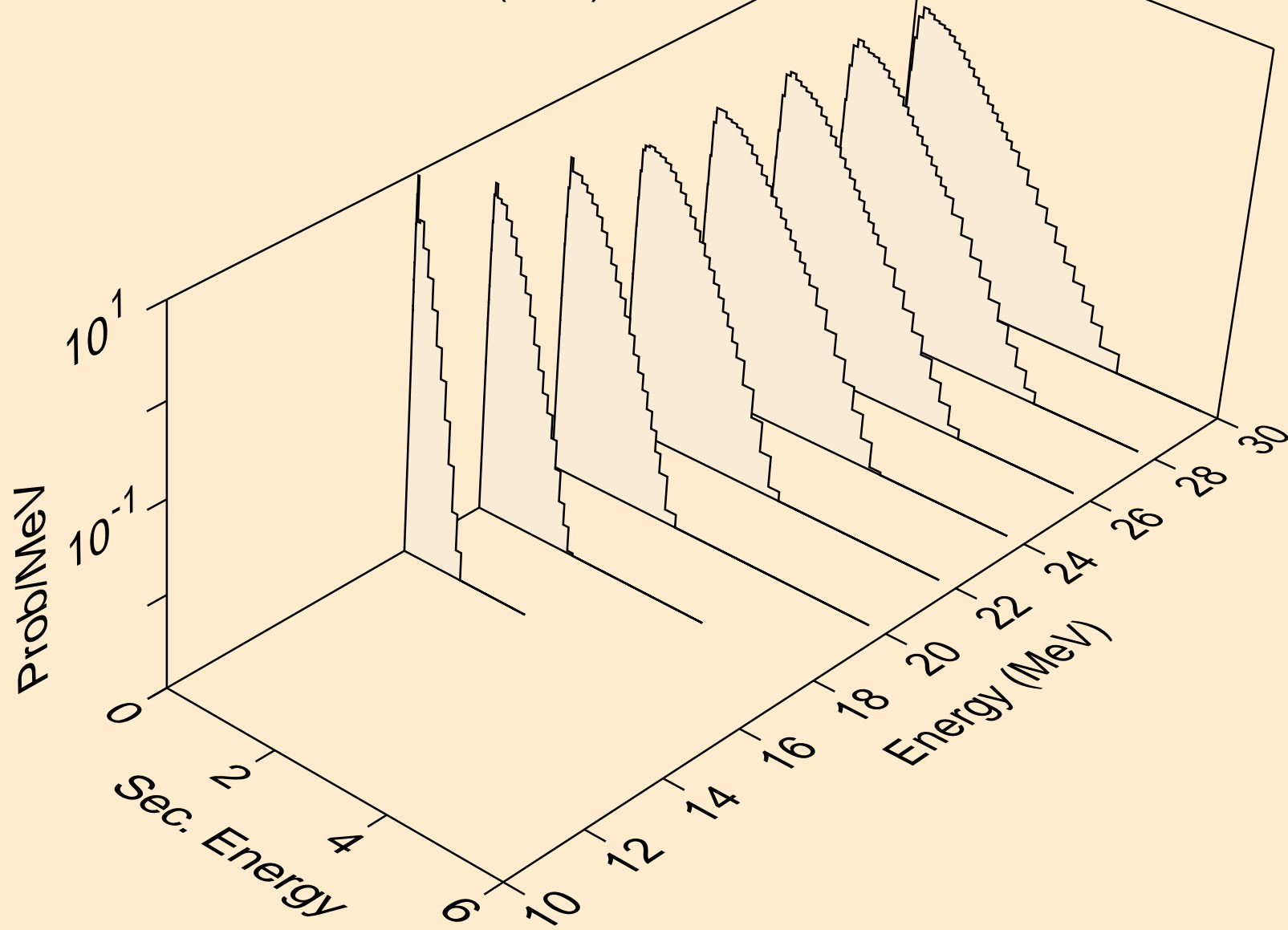
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)2a



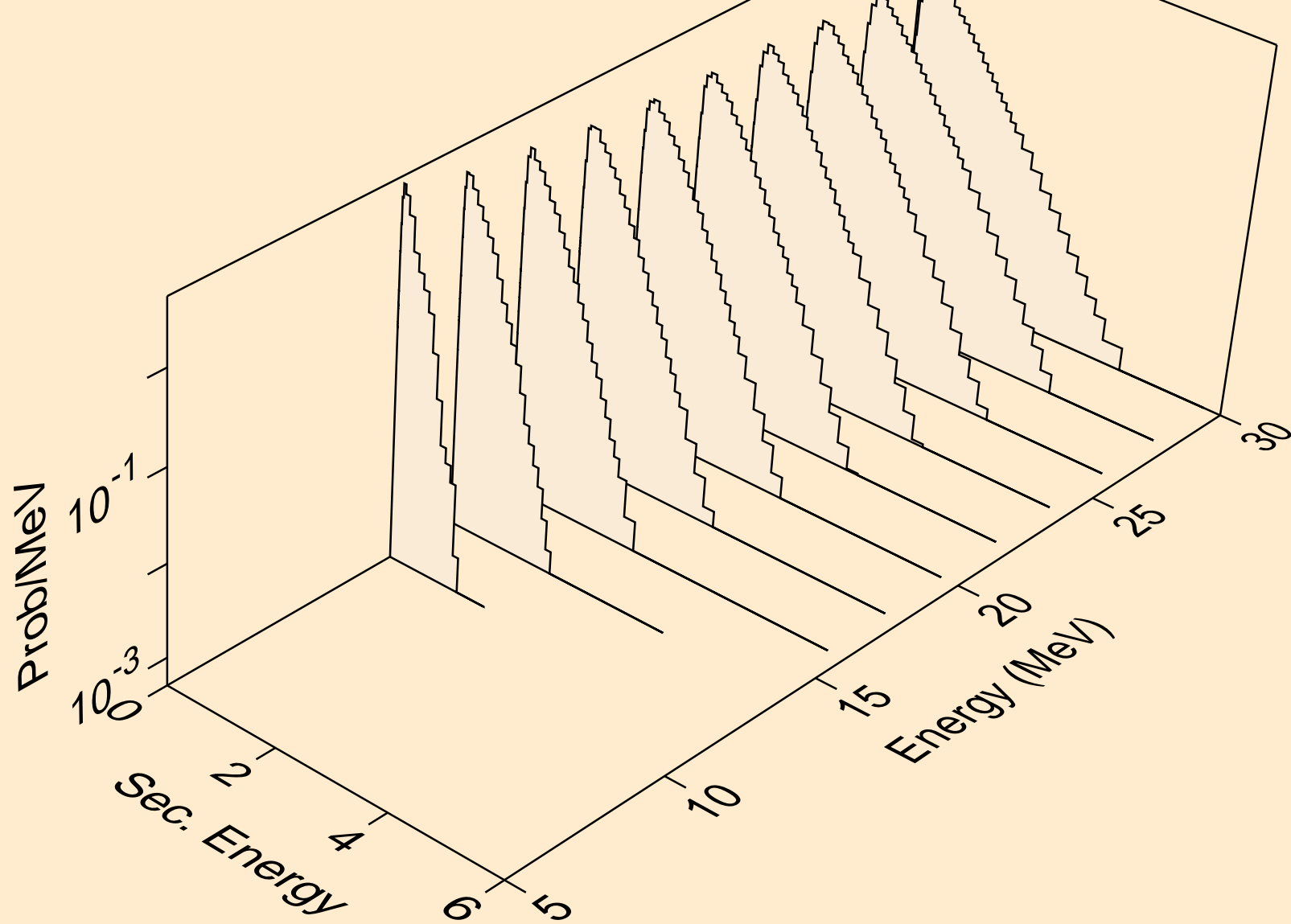
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d



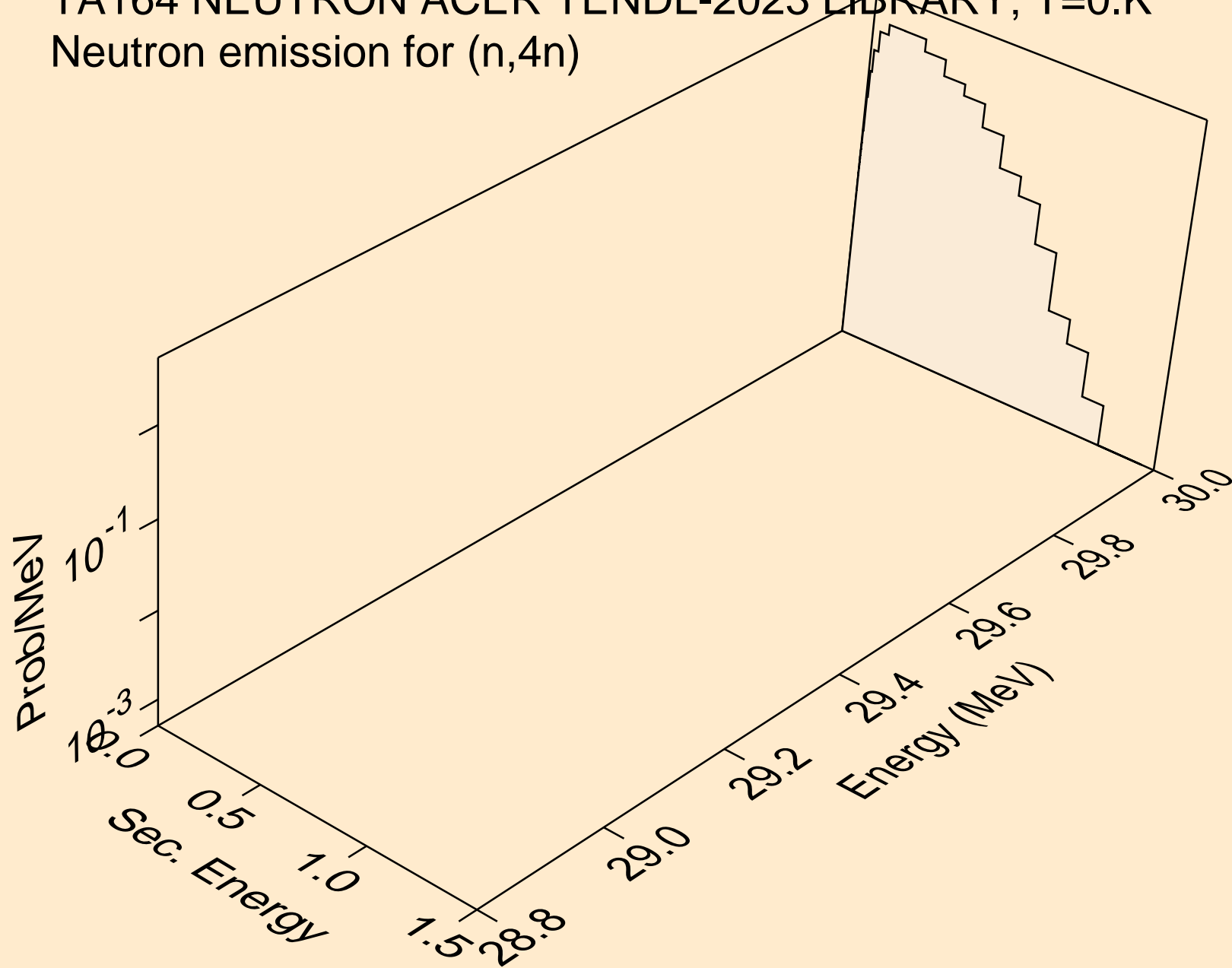
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



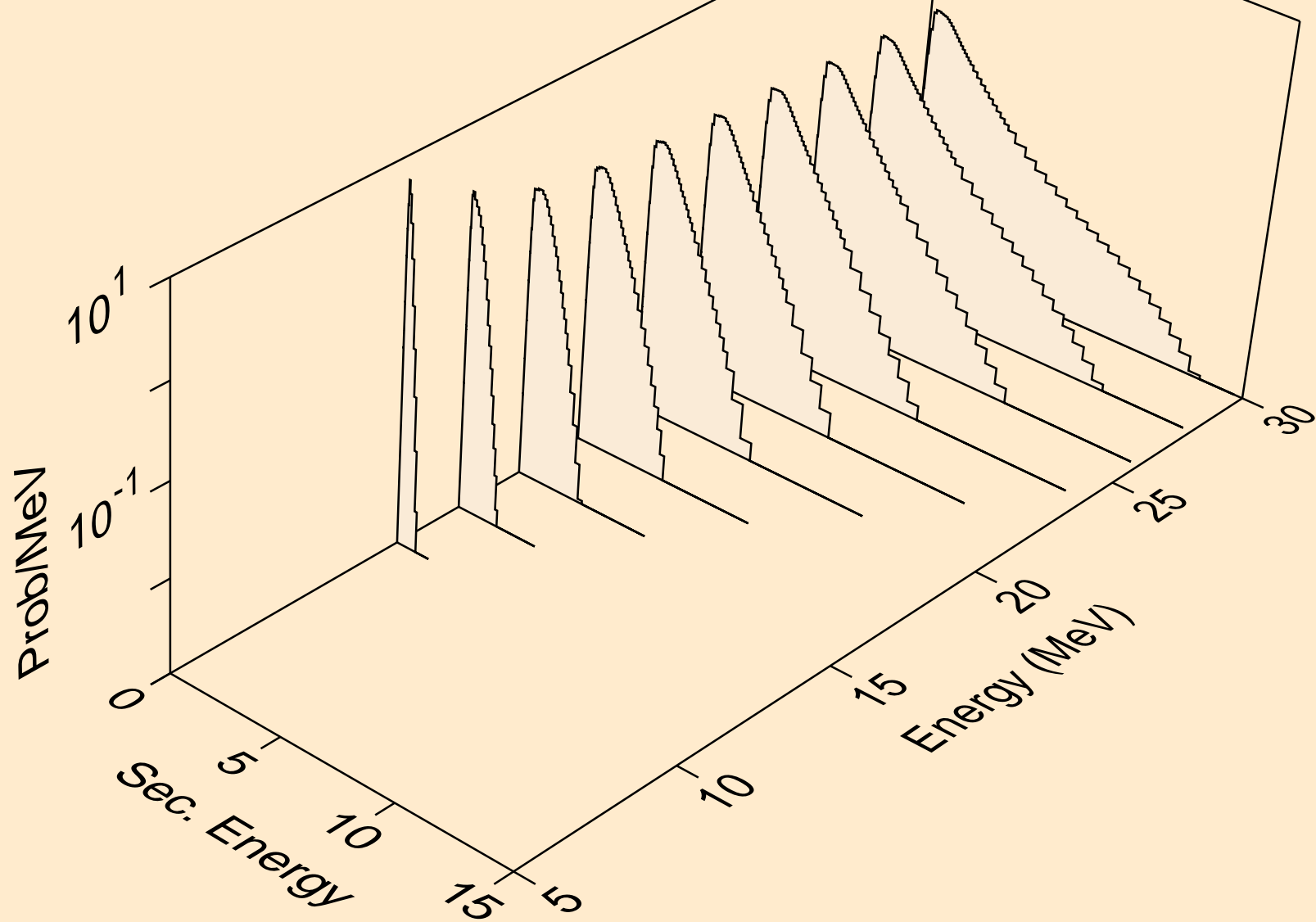
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



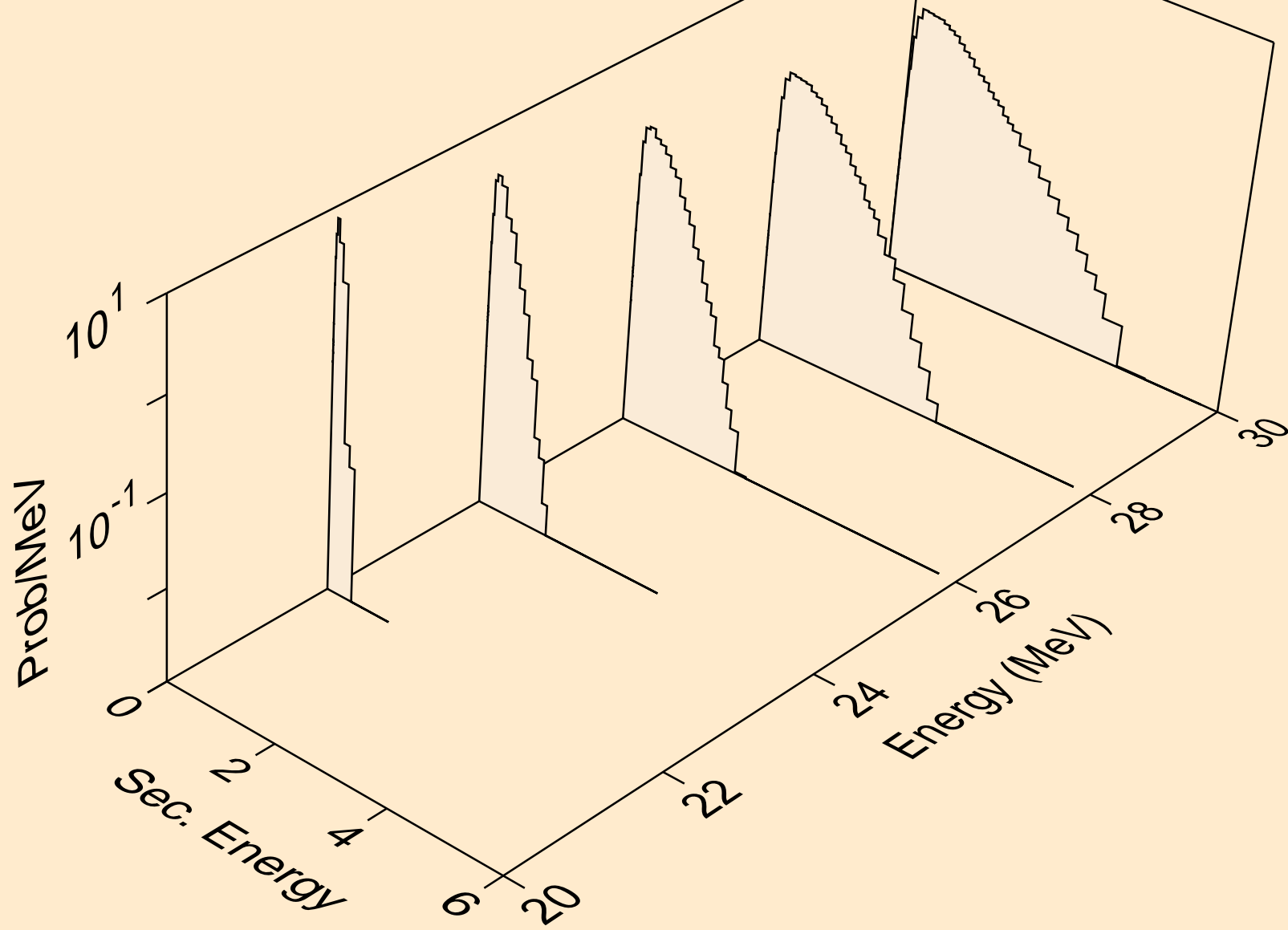
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,4n)



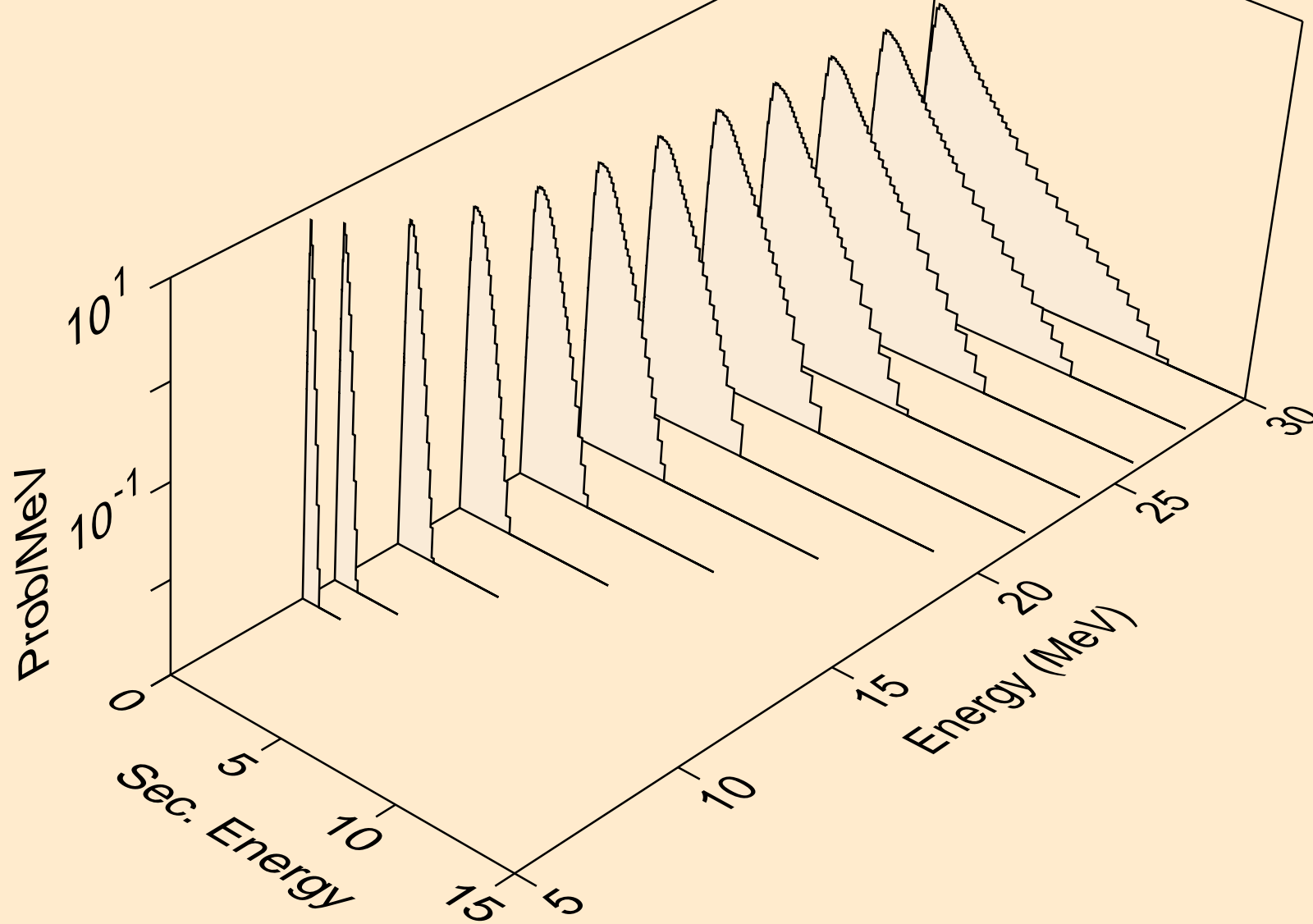
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2np)



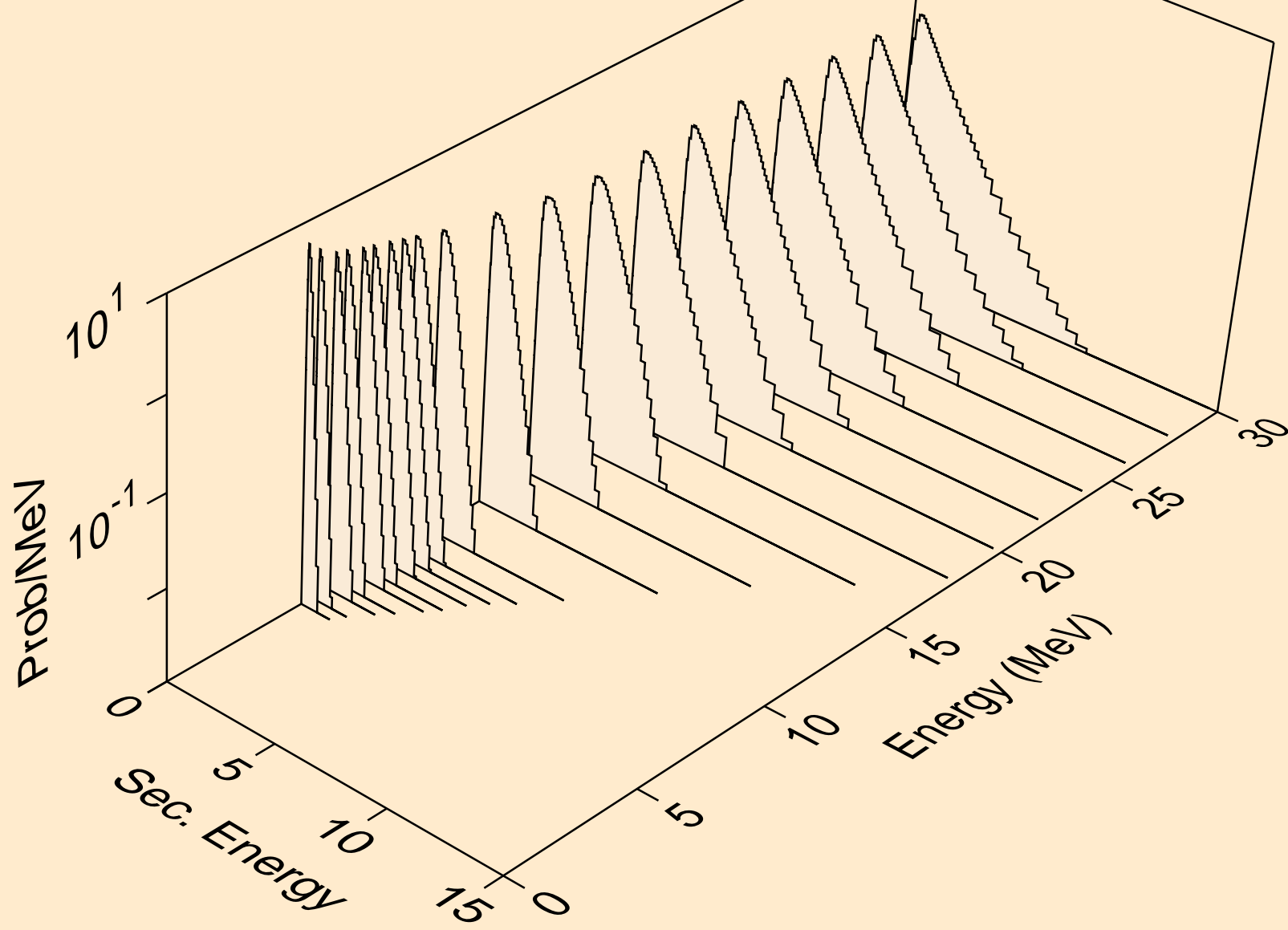
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3np)



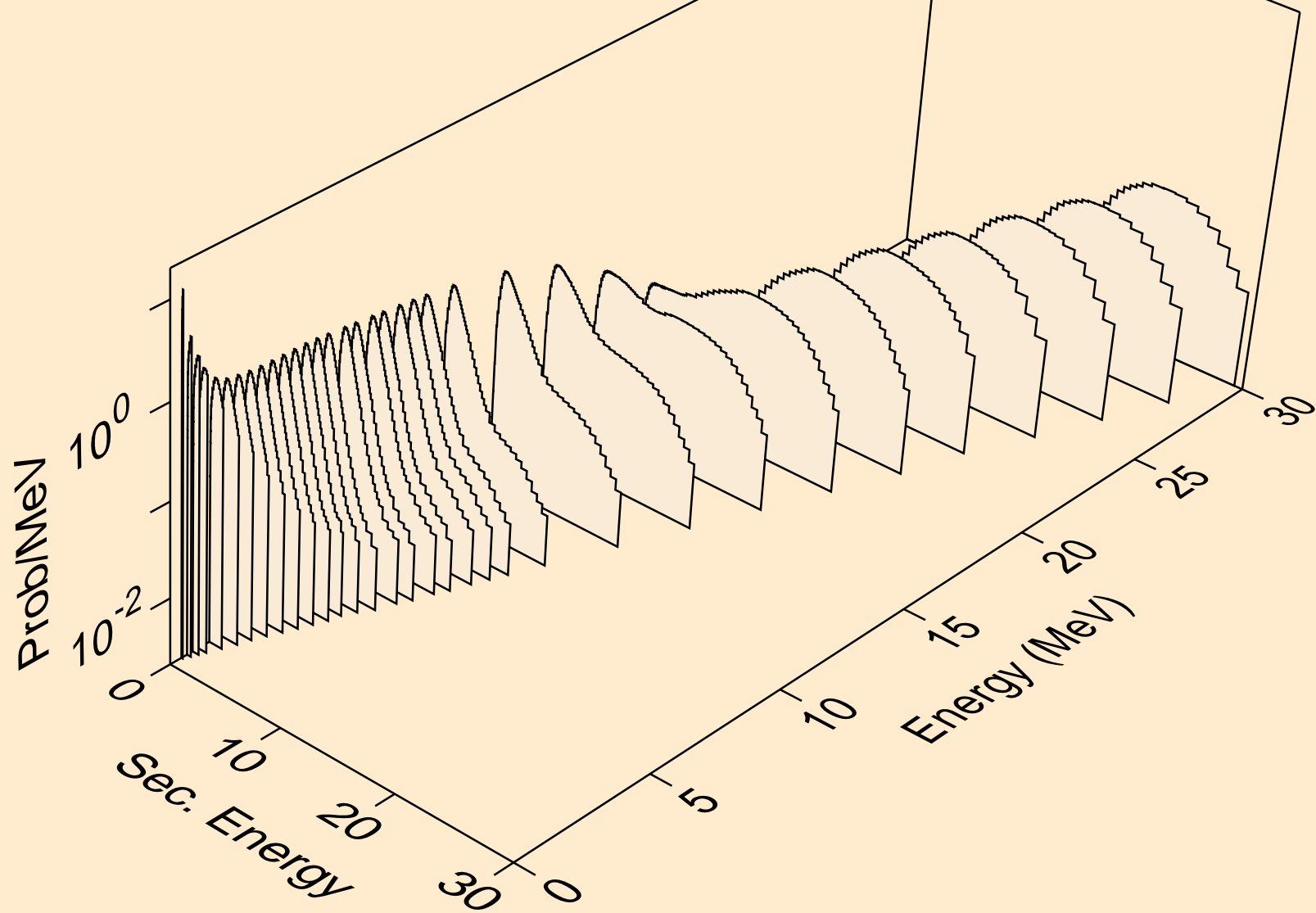
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n2p)



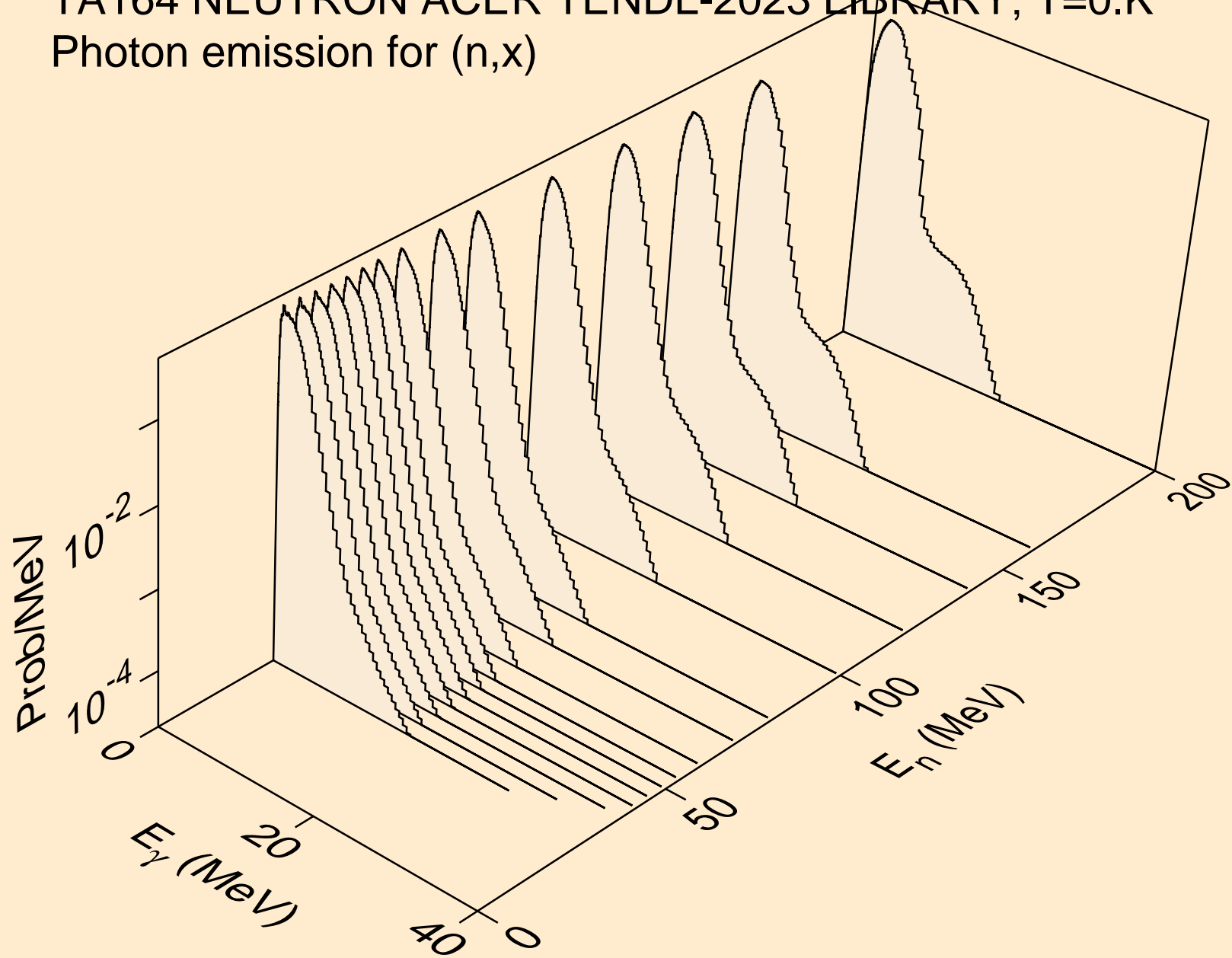
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,npa)



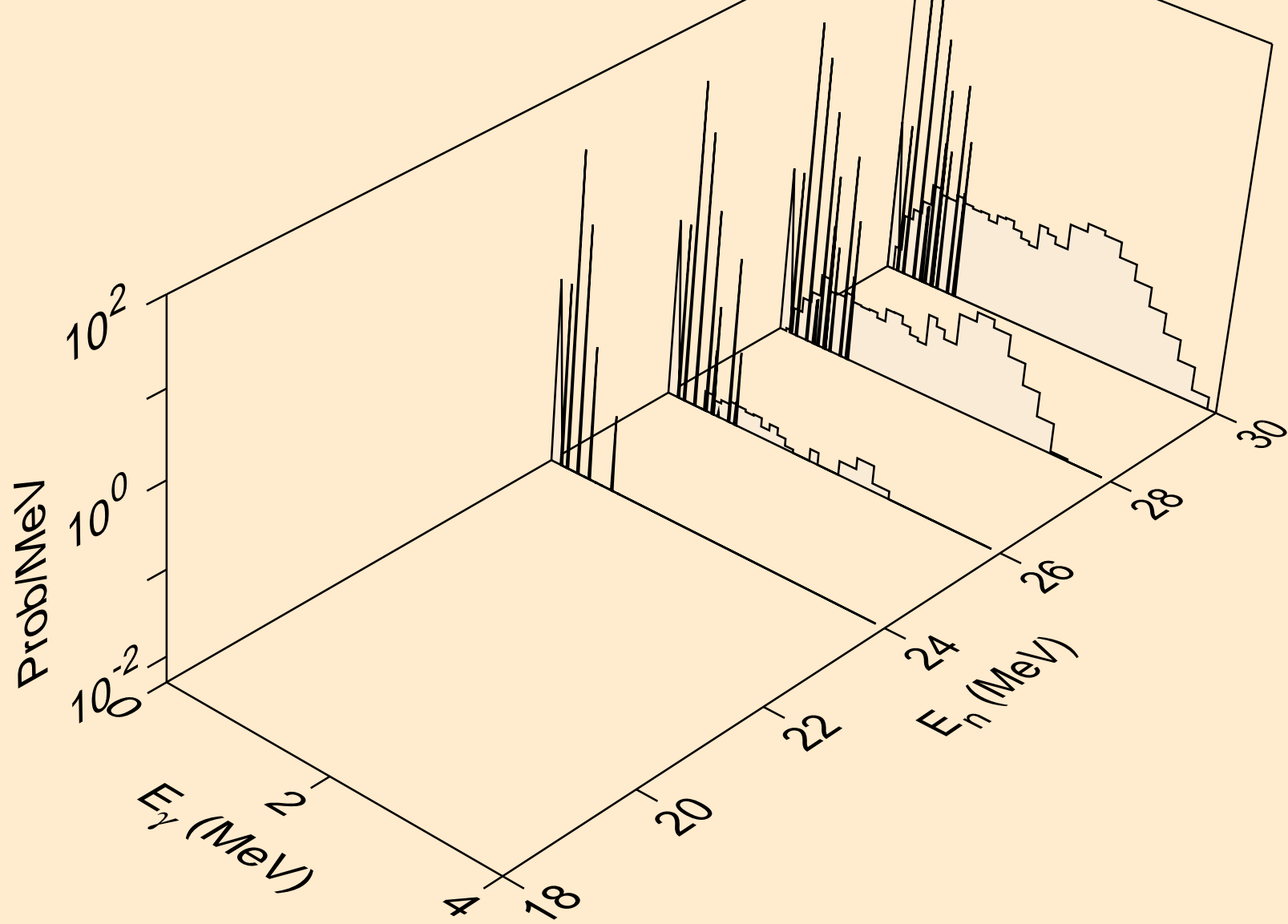
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)



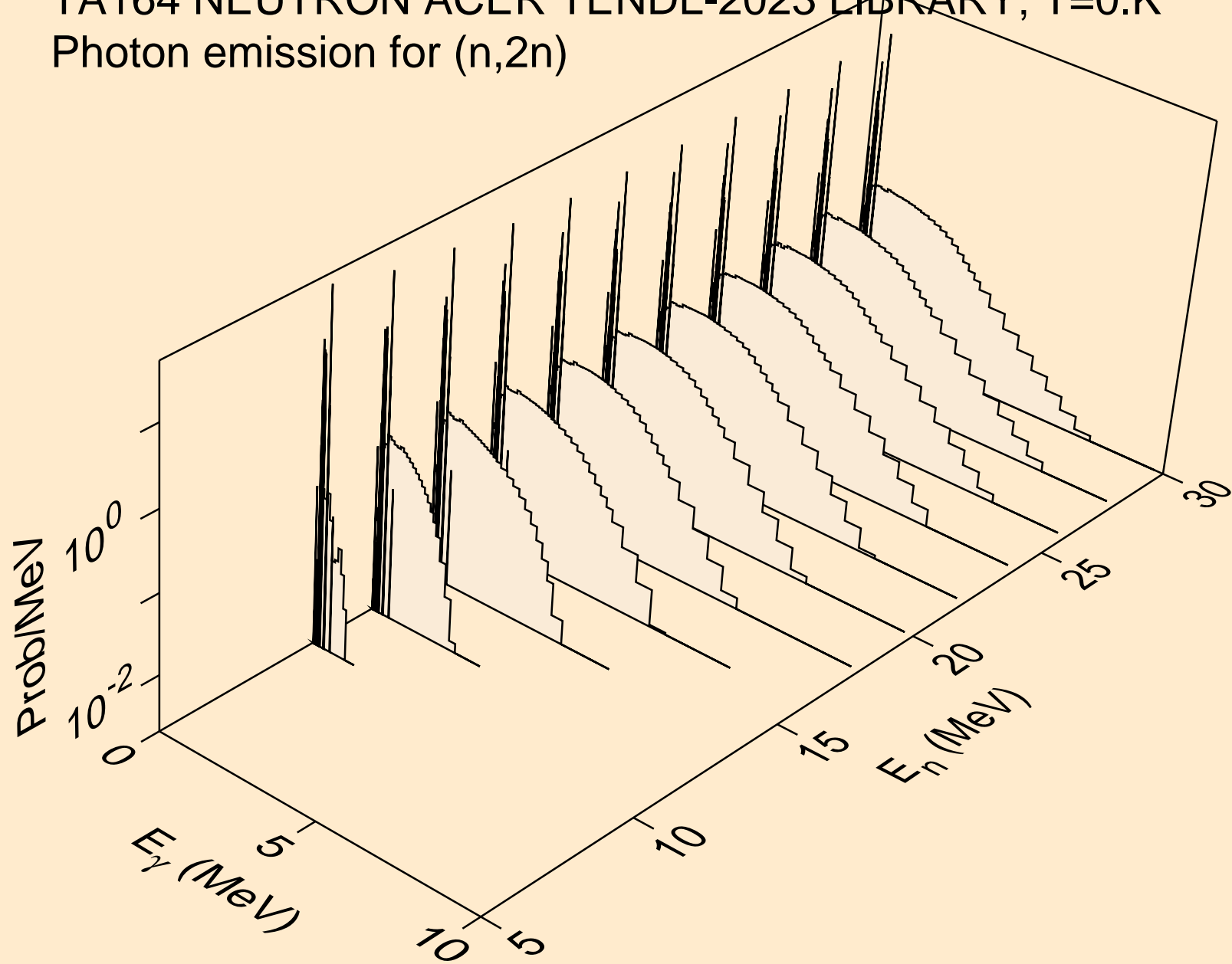
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,x)



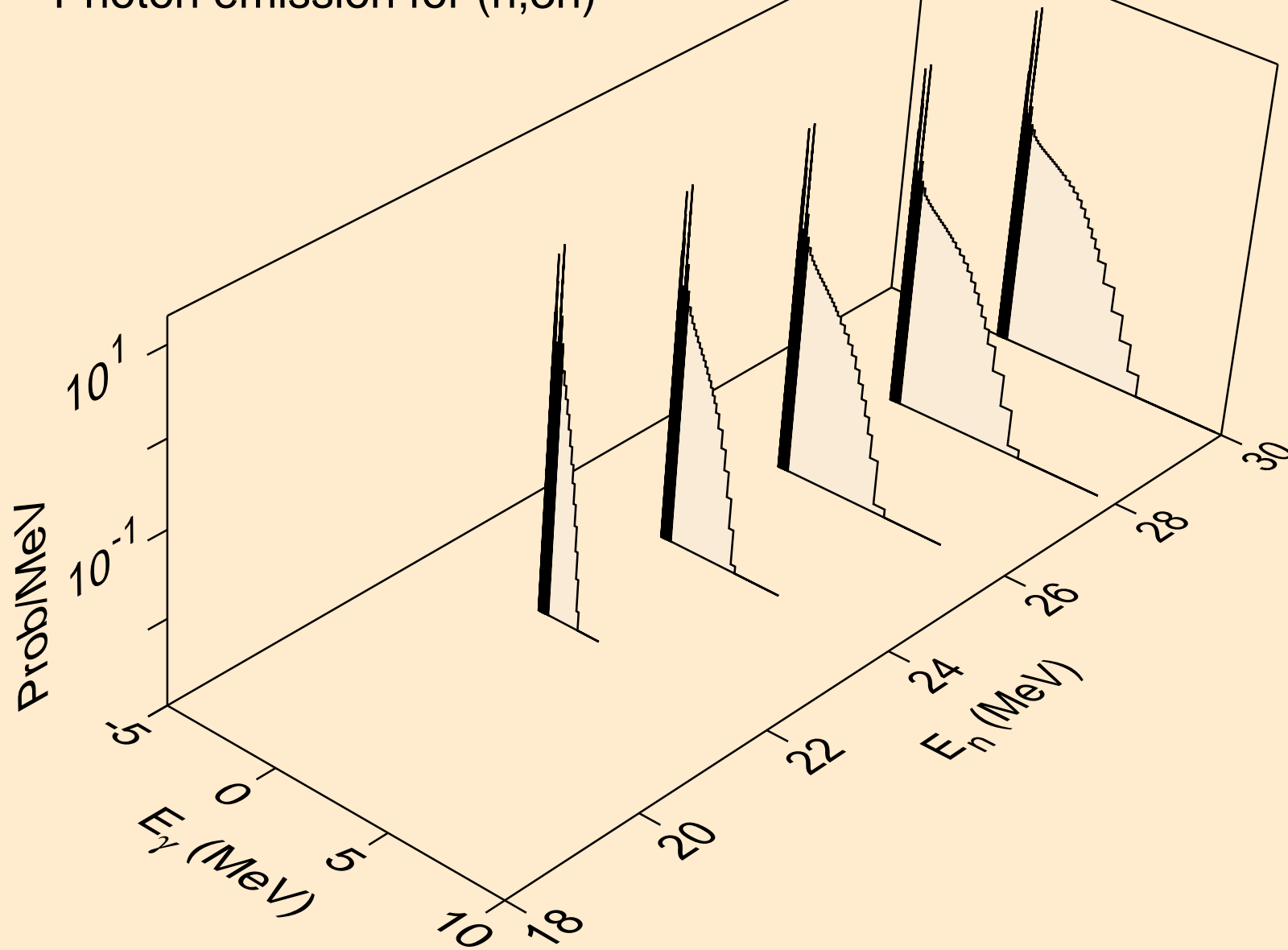
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



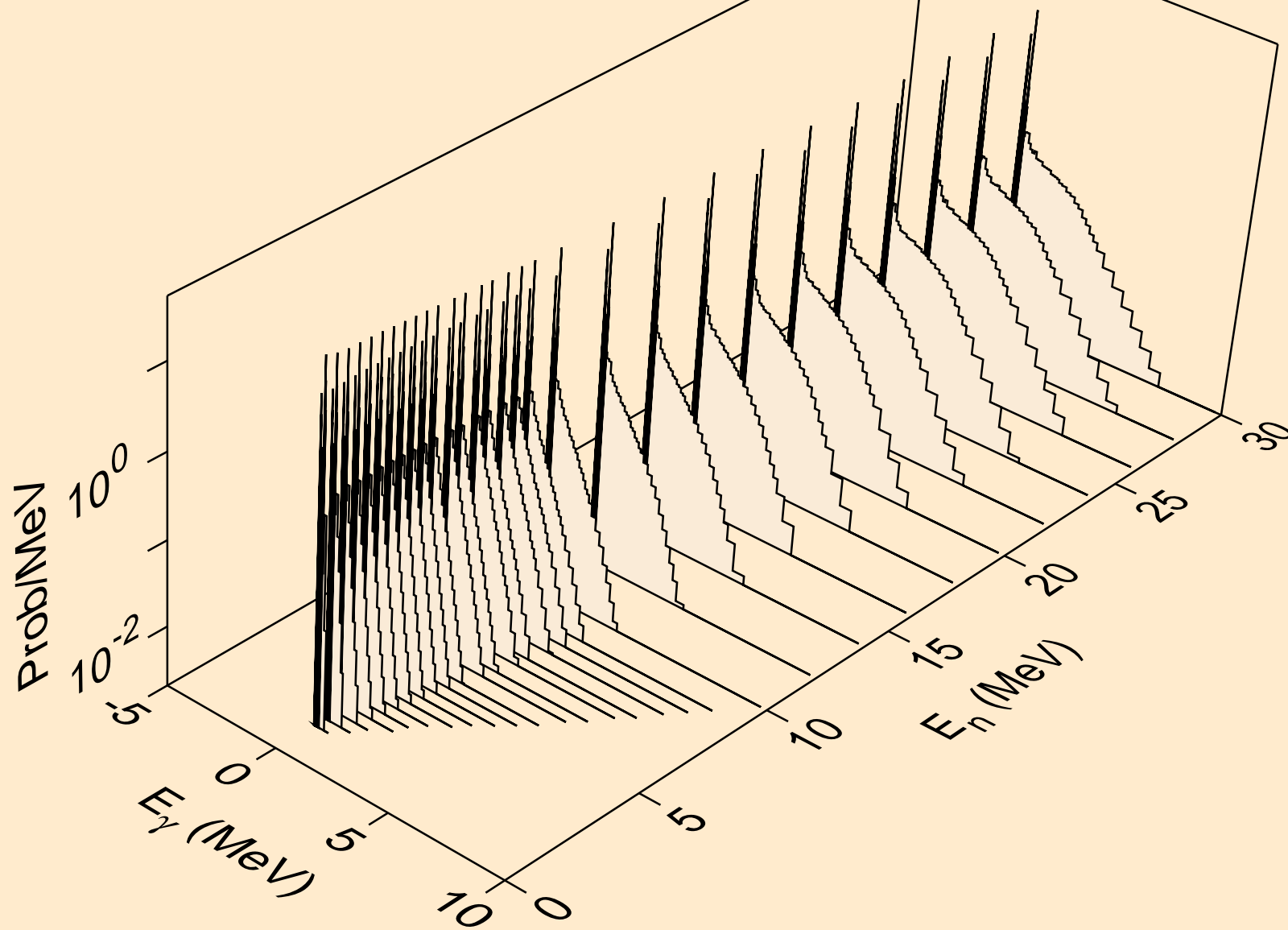
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



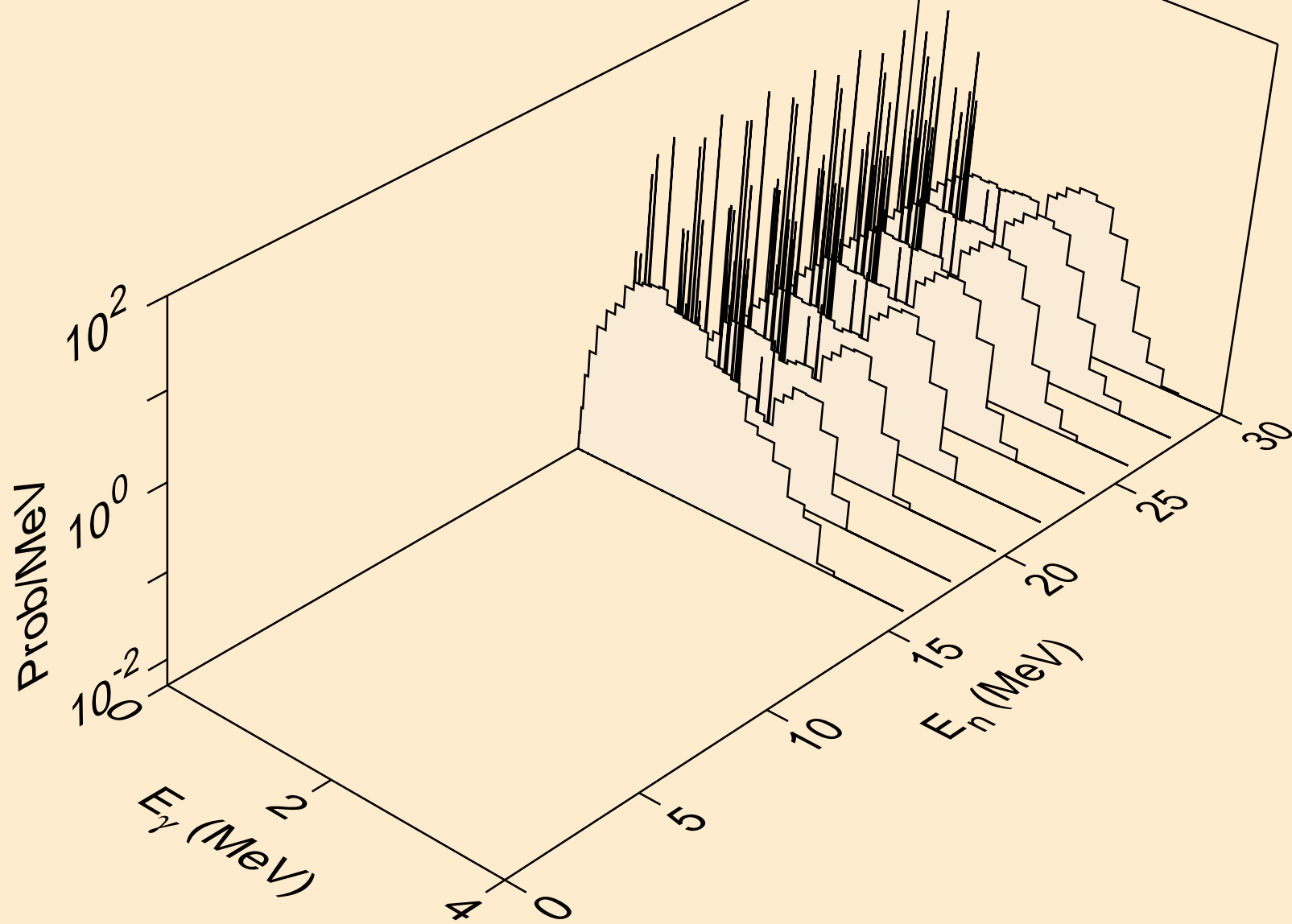
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



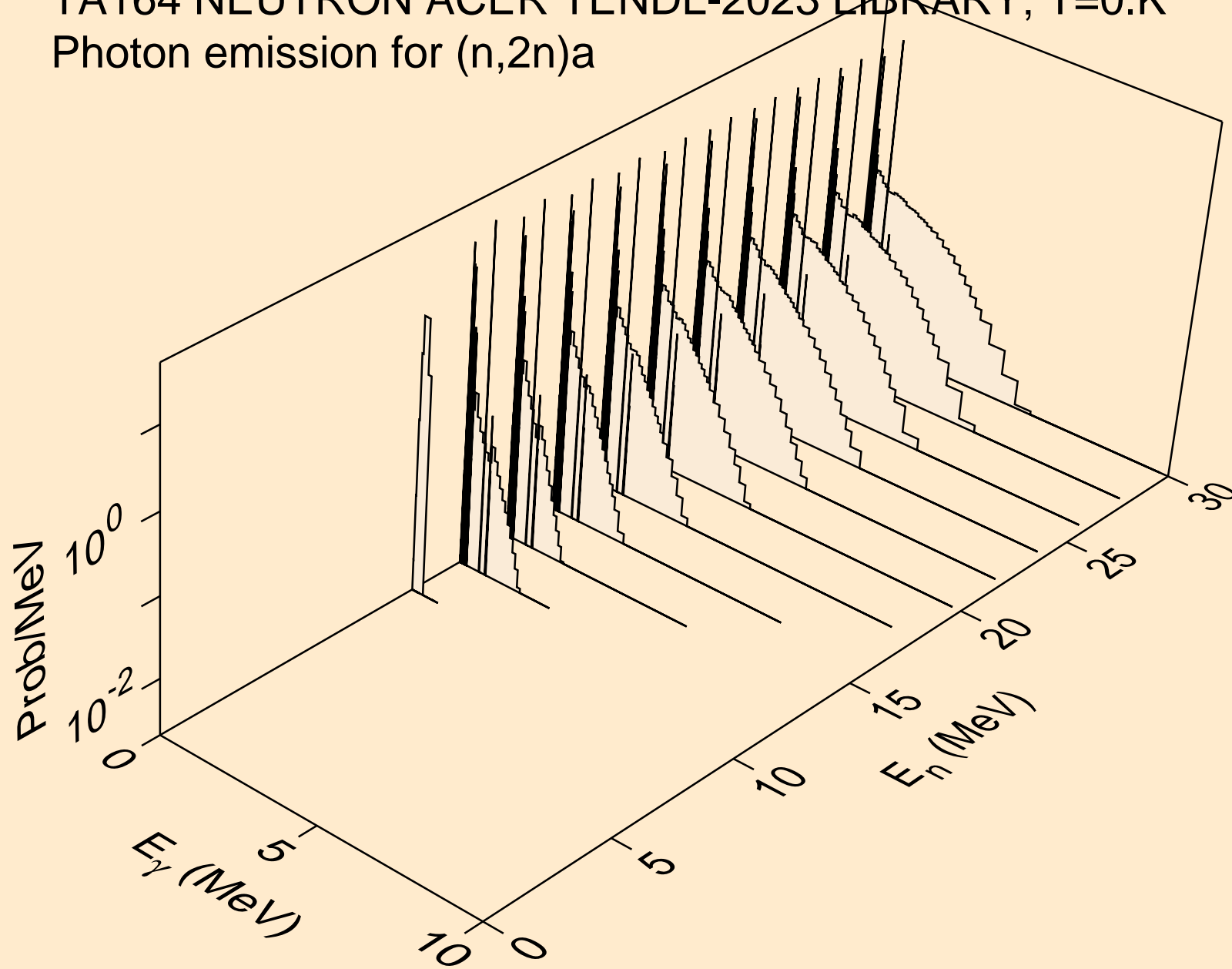
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



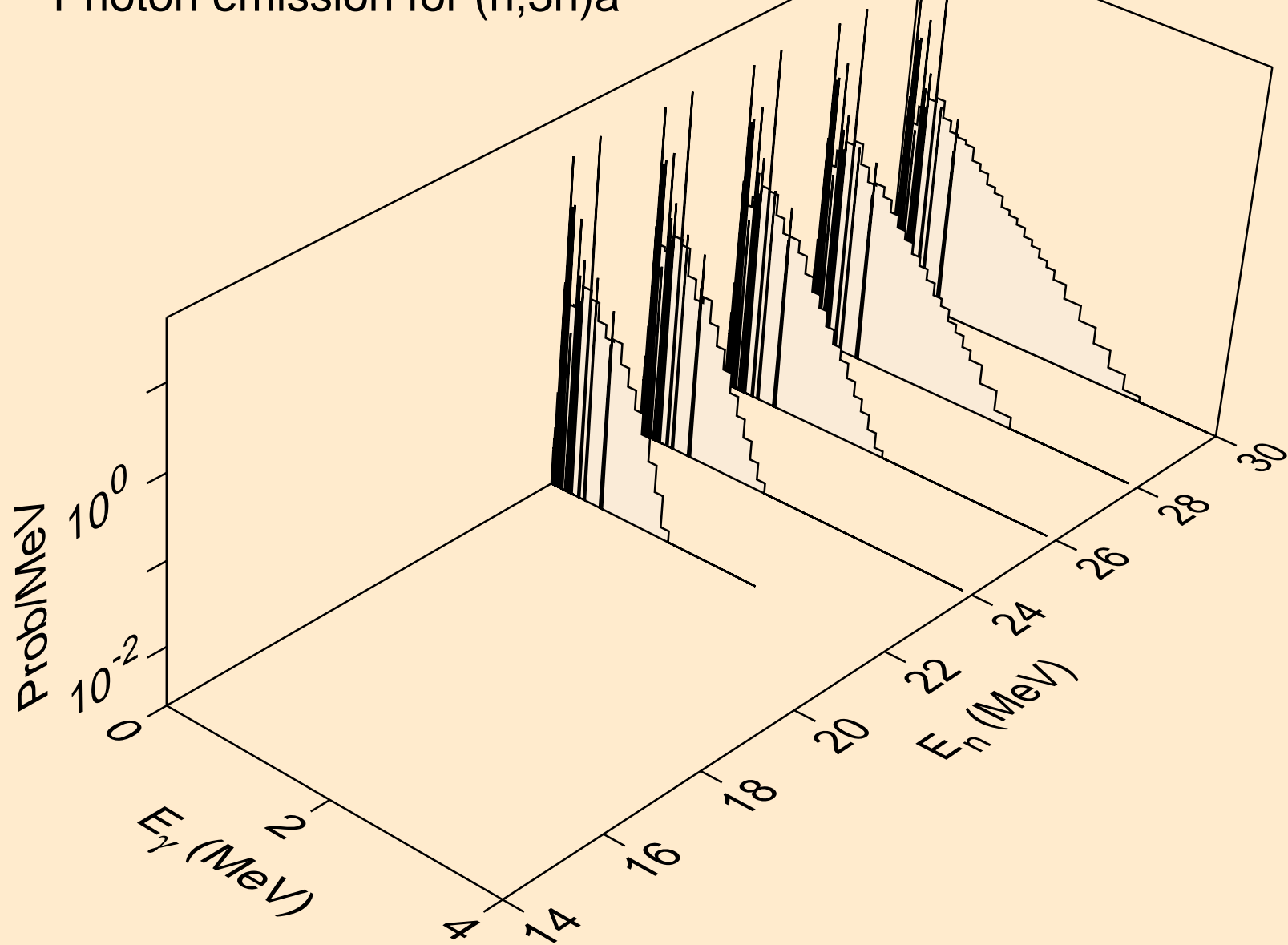
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)3a



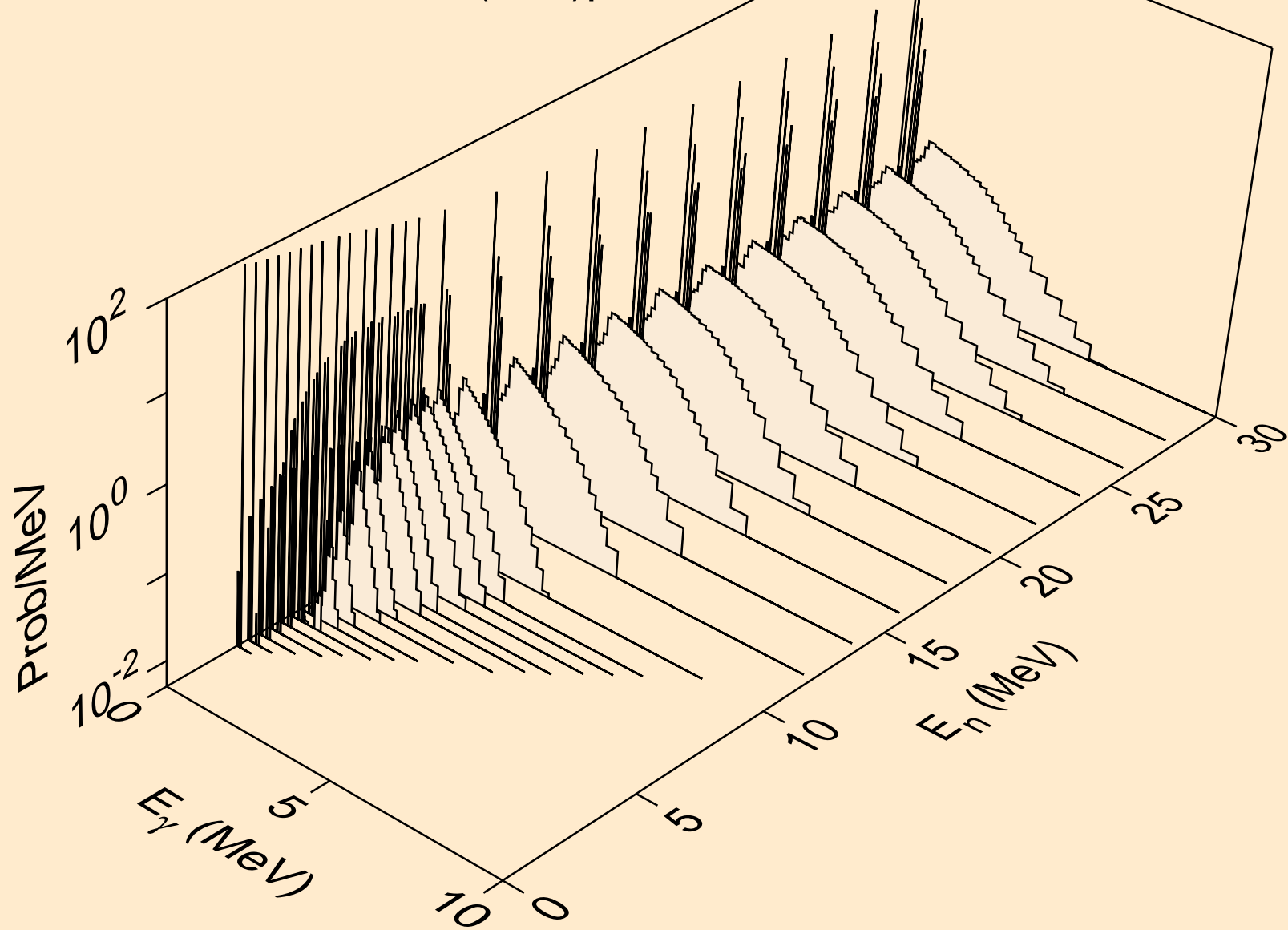
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a



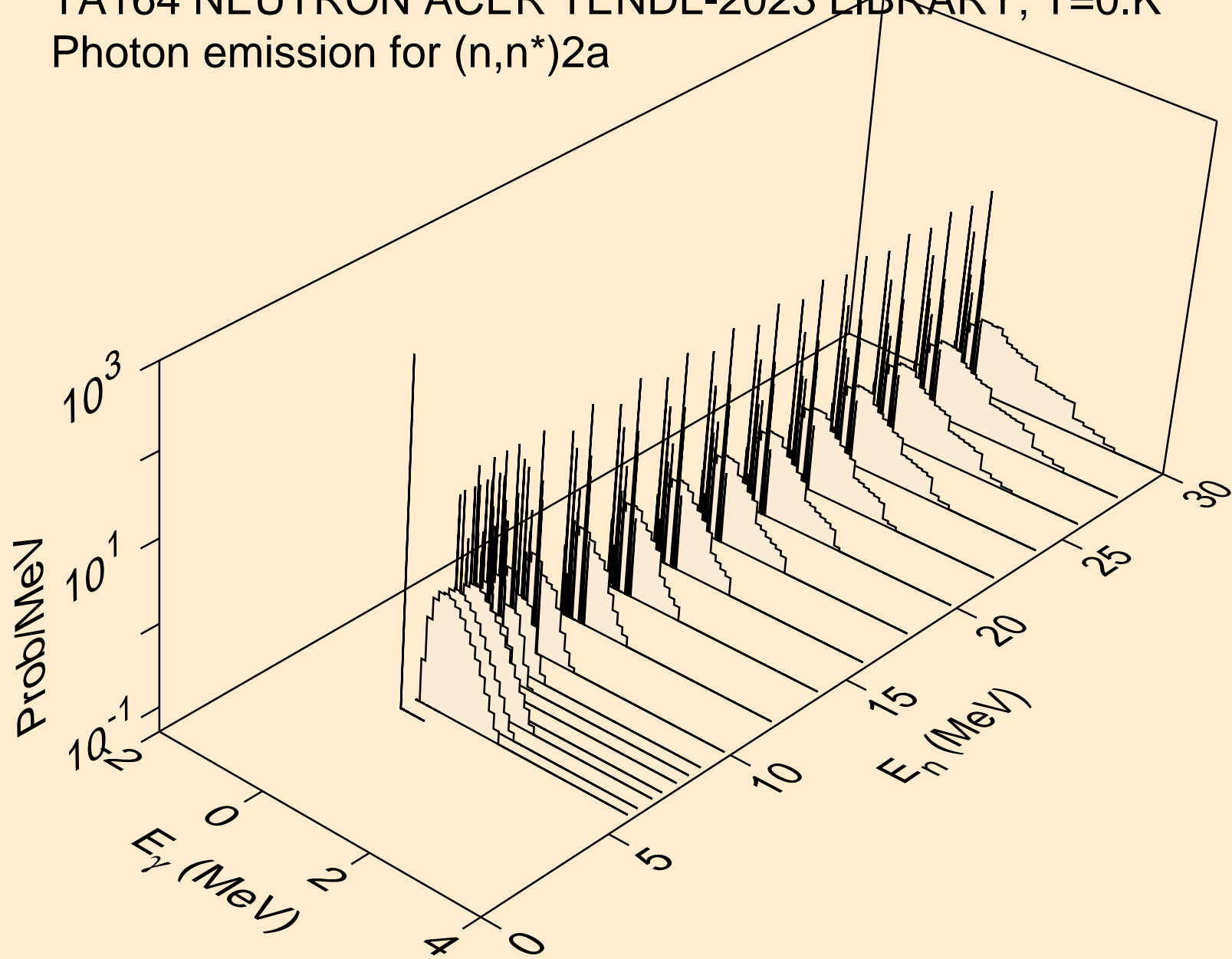
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)a



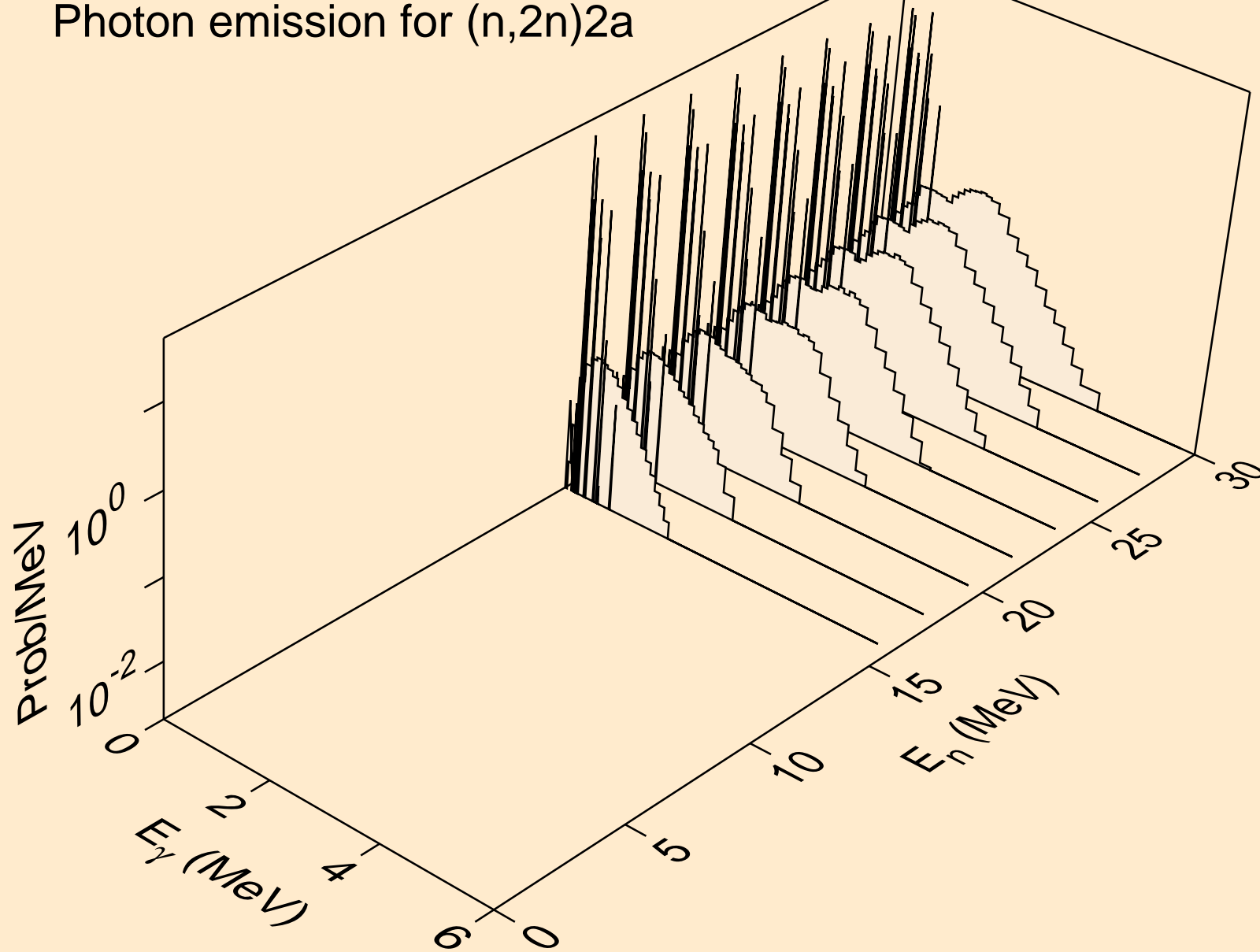
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



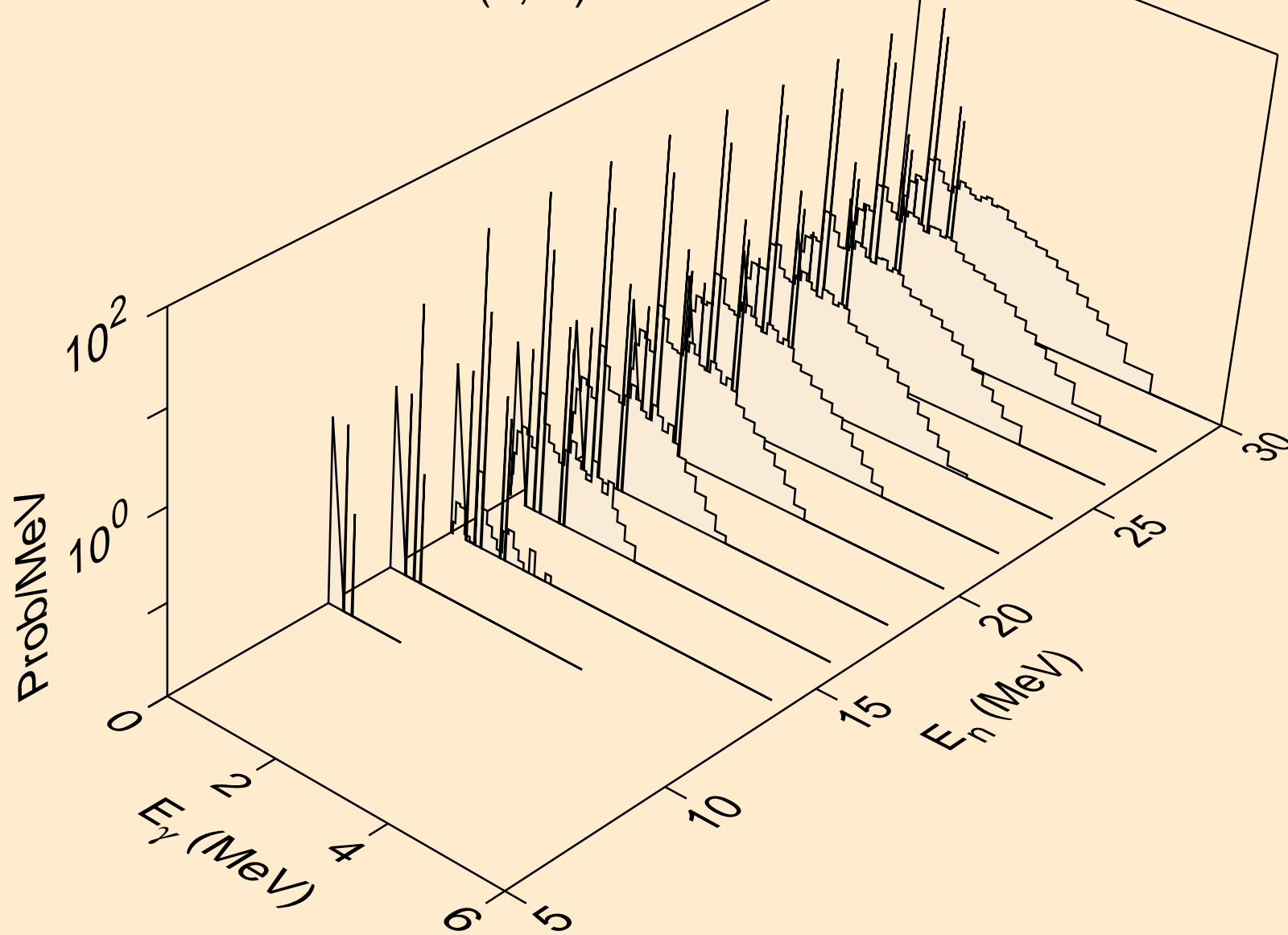
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



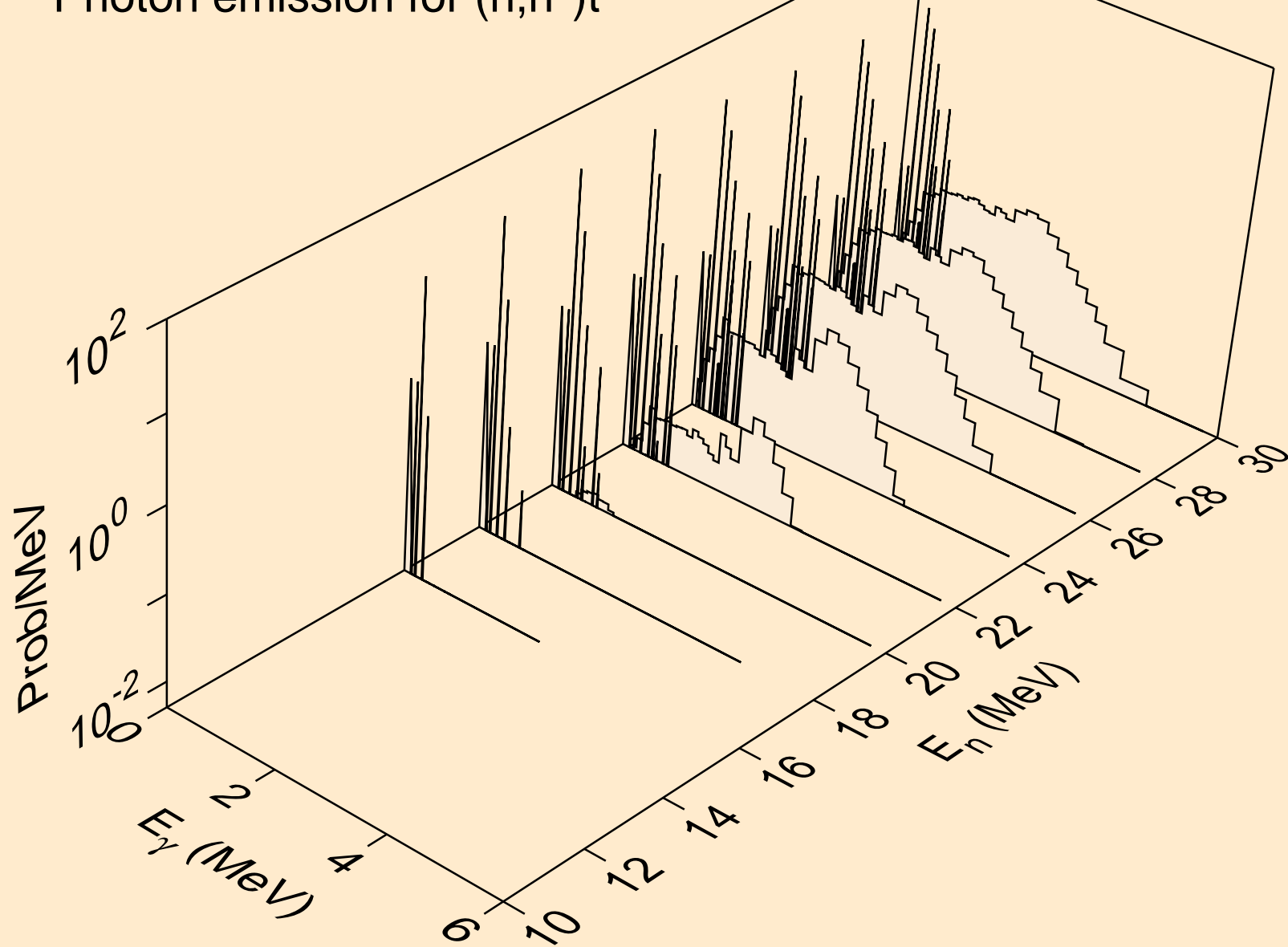
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)2a



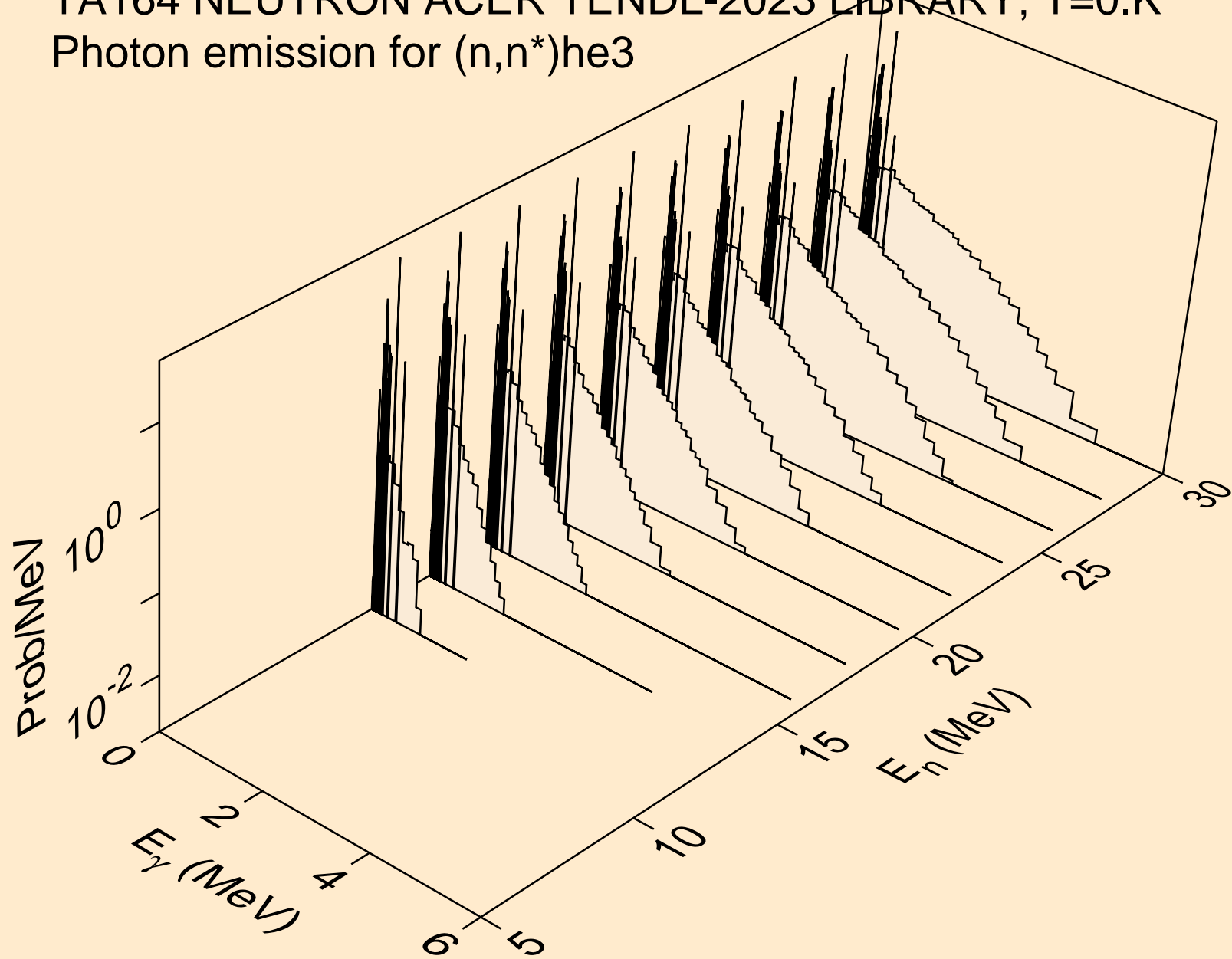
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



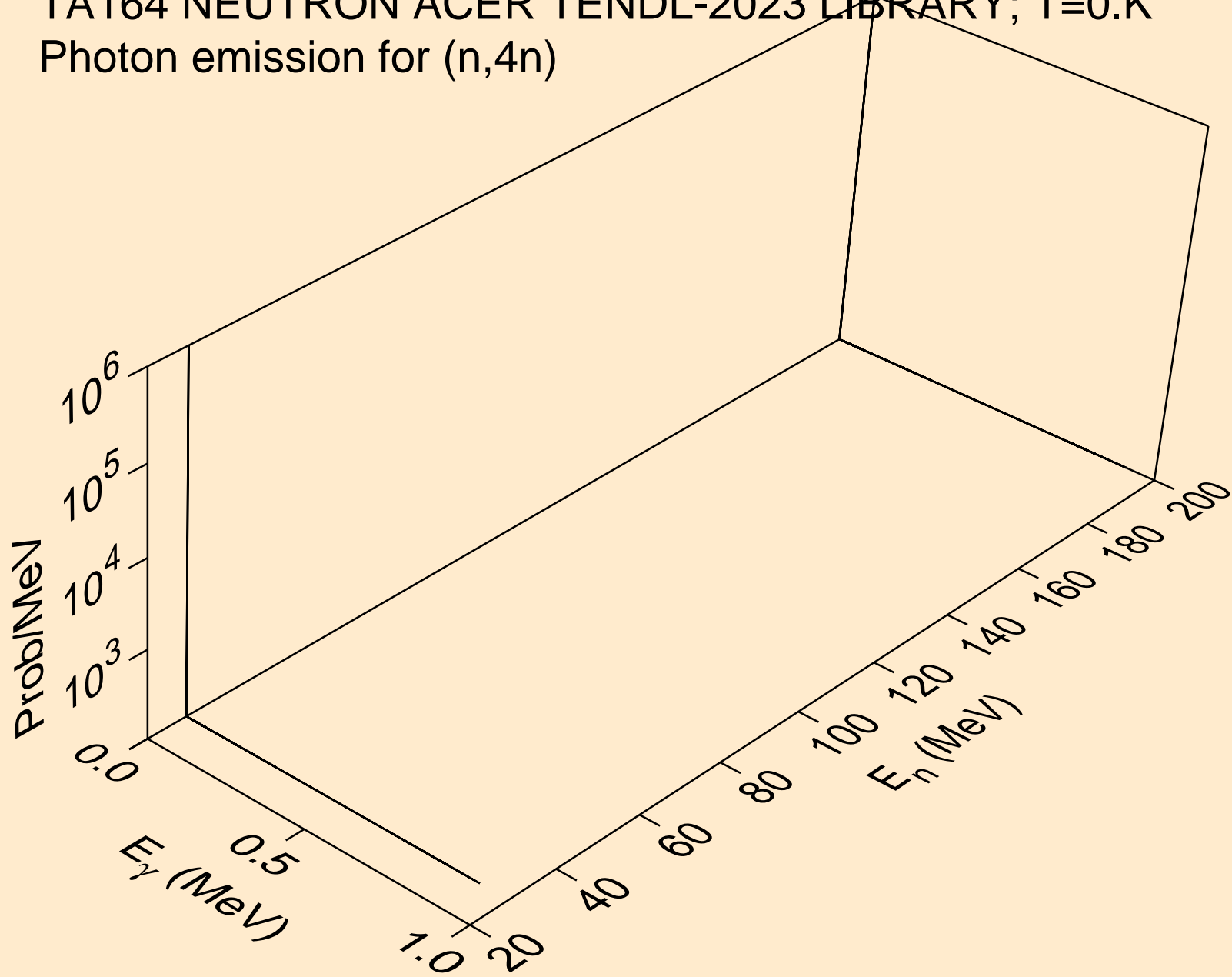
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



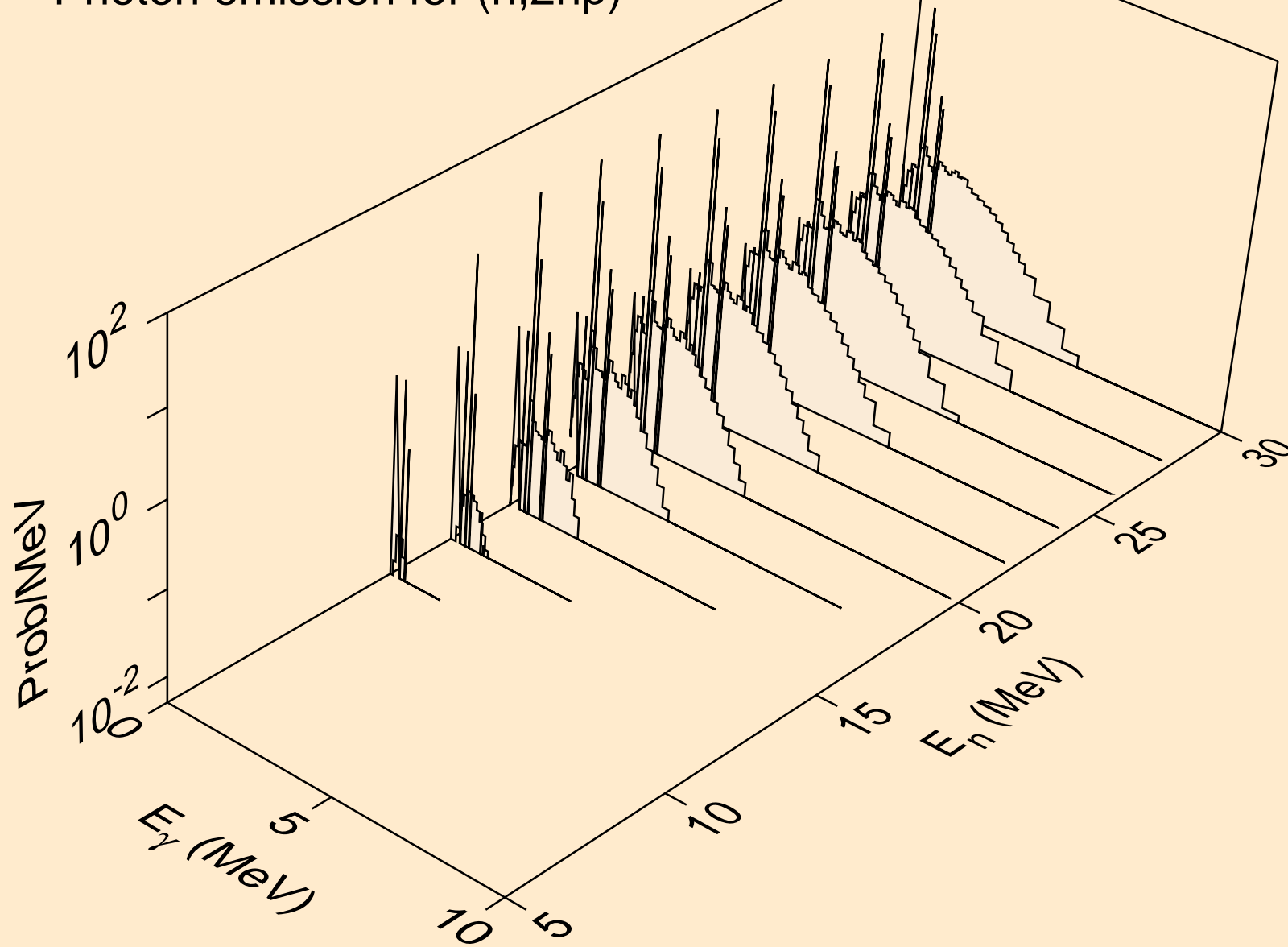
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



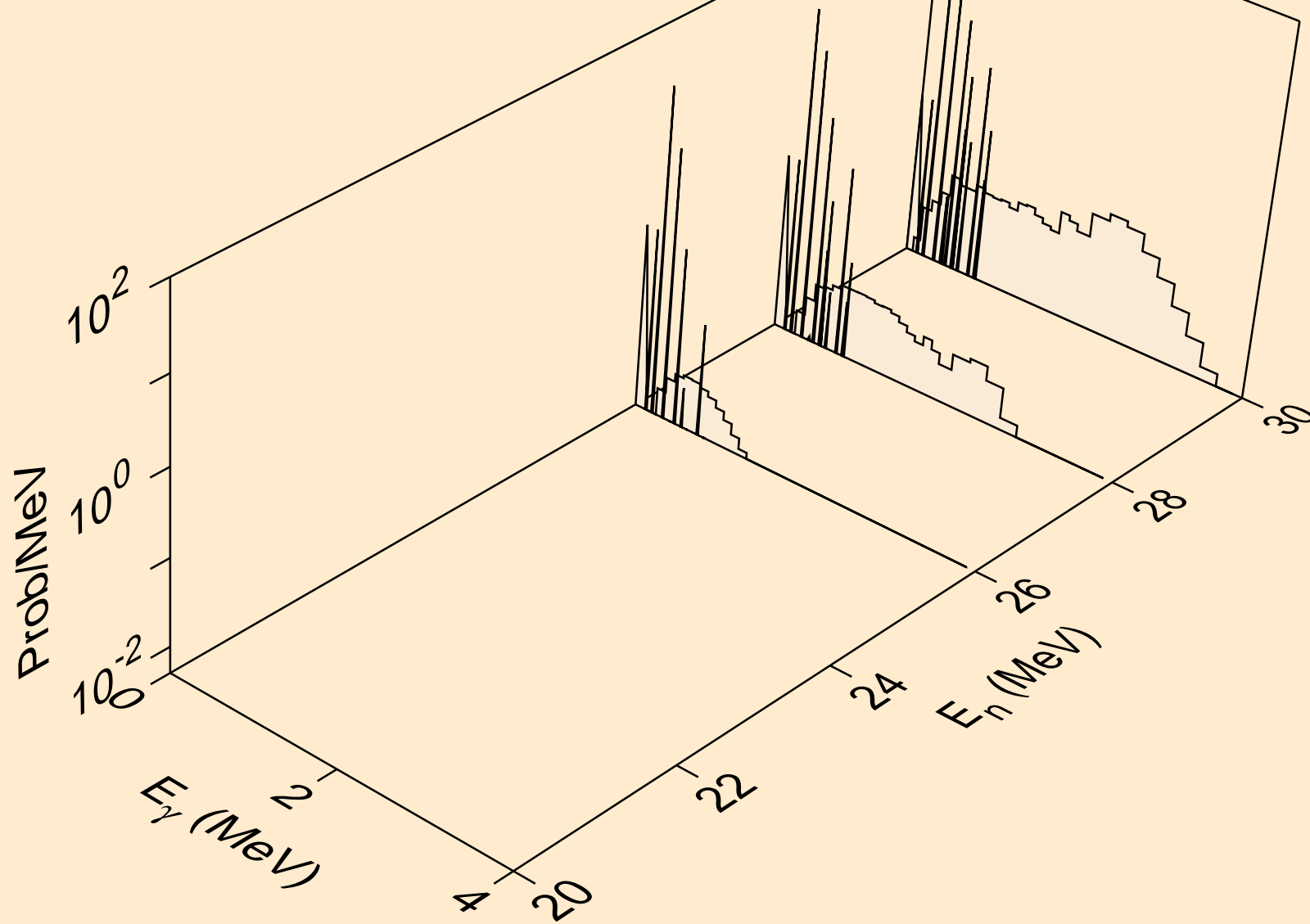
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,4n)



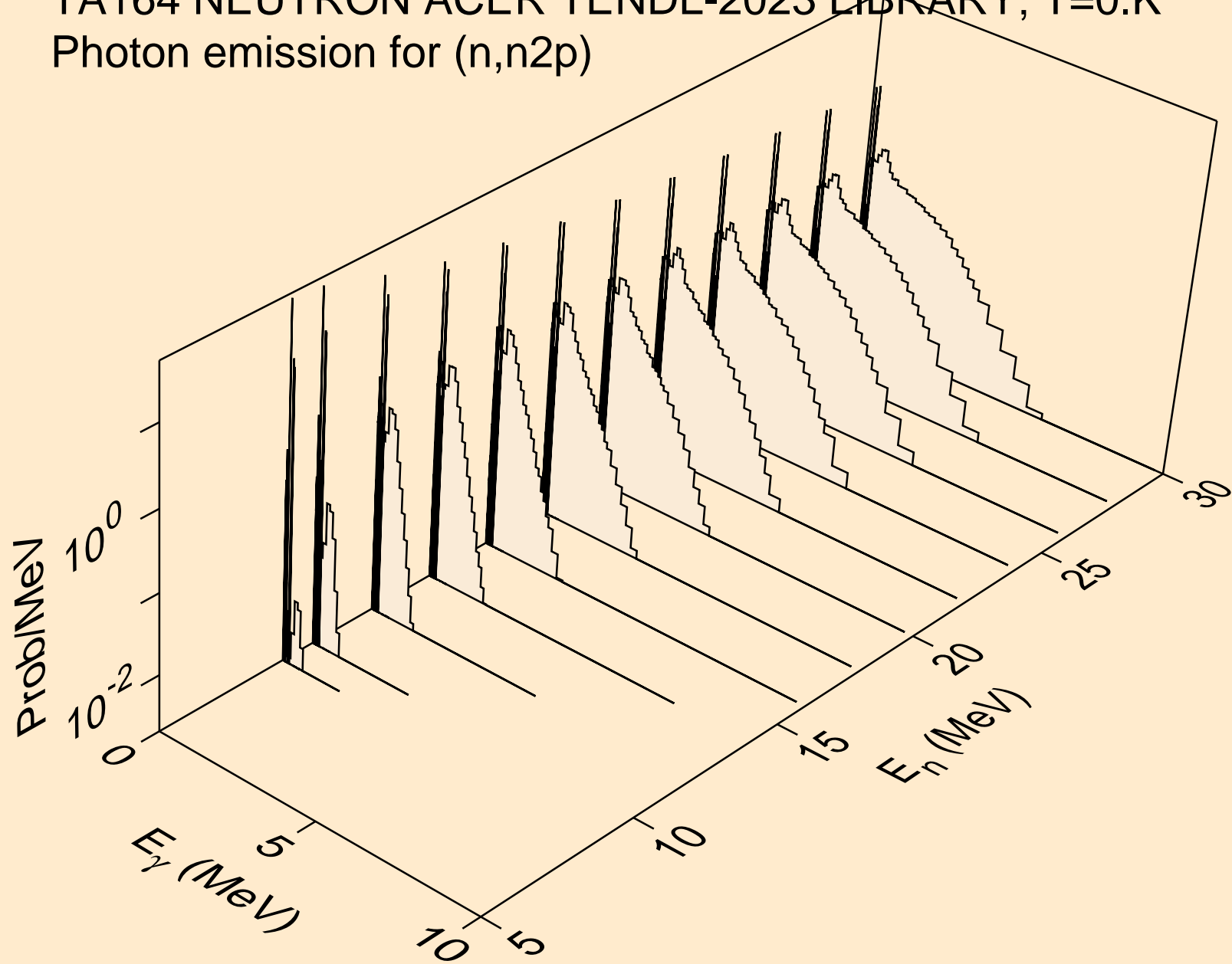
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)



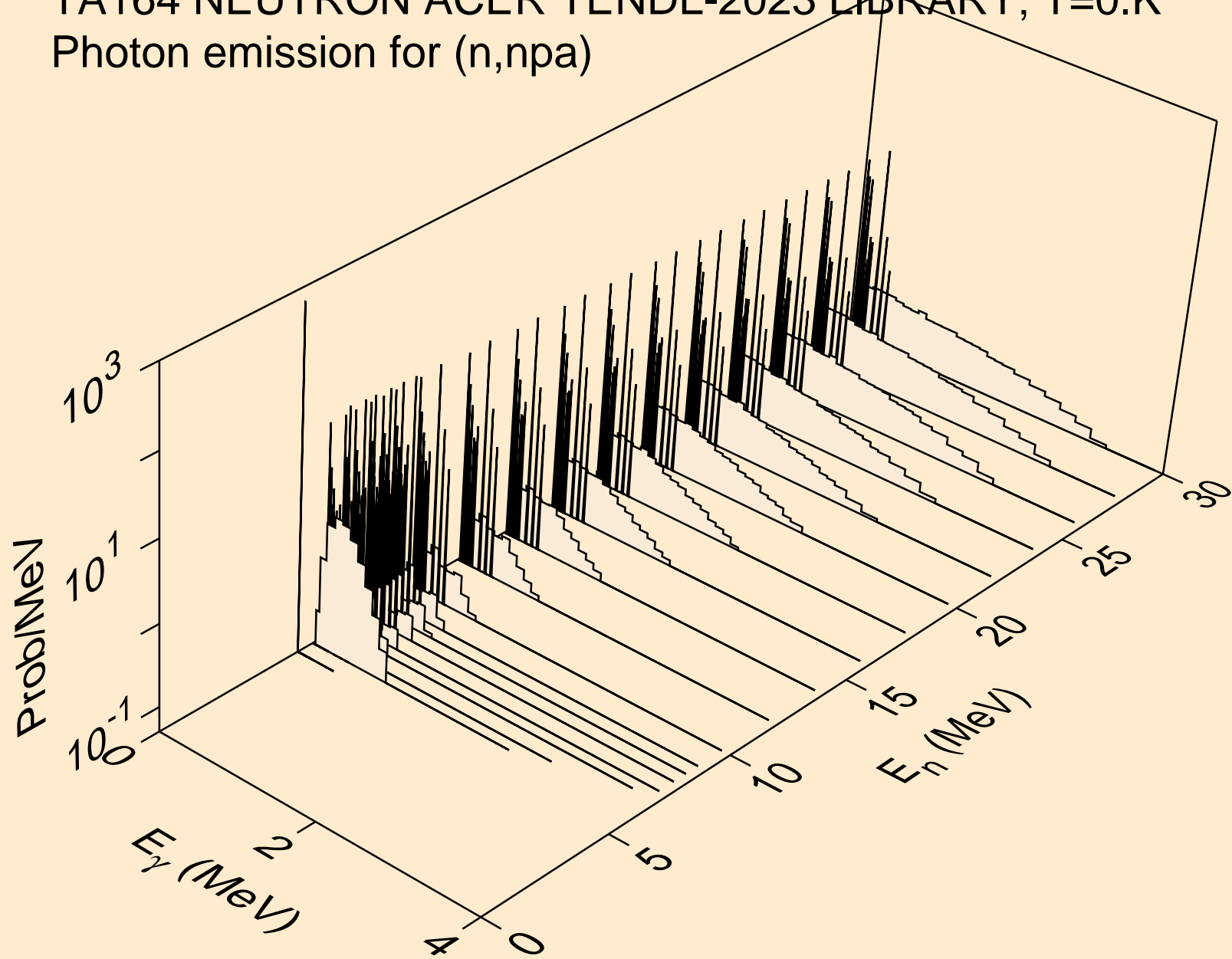
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3np)



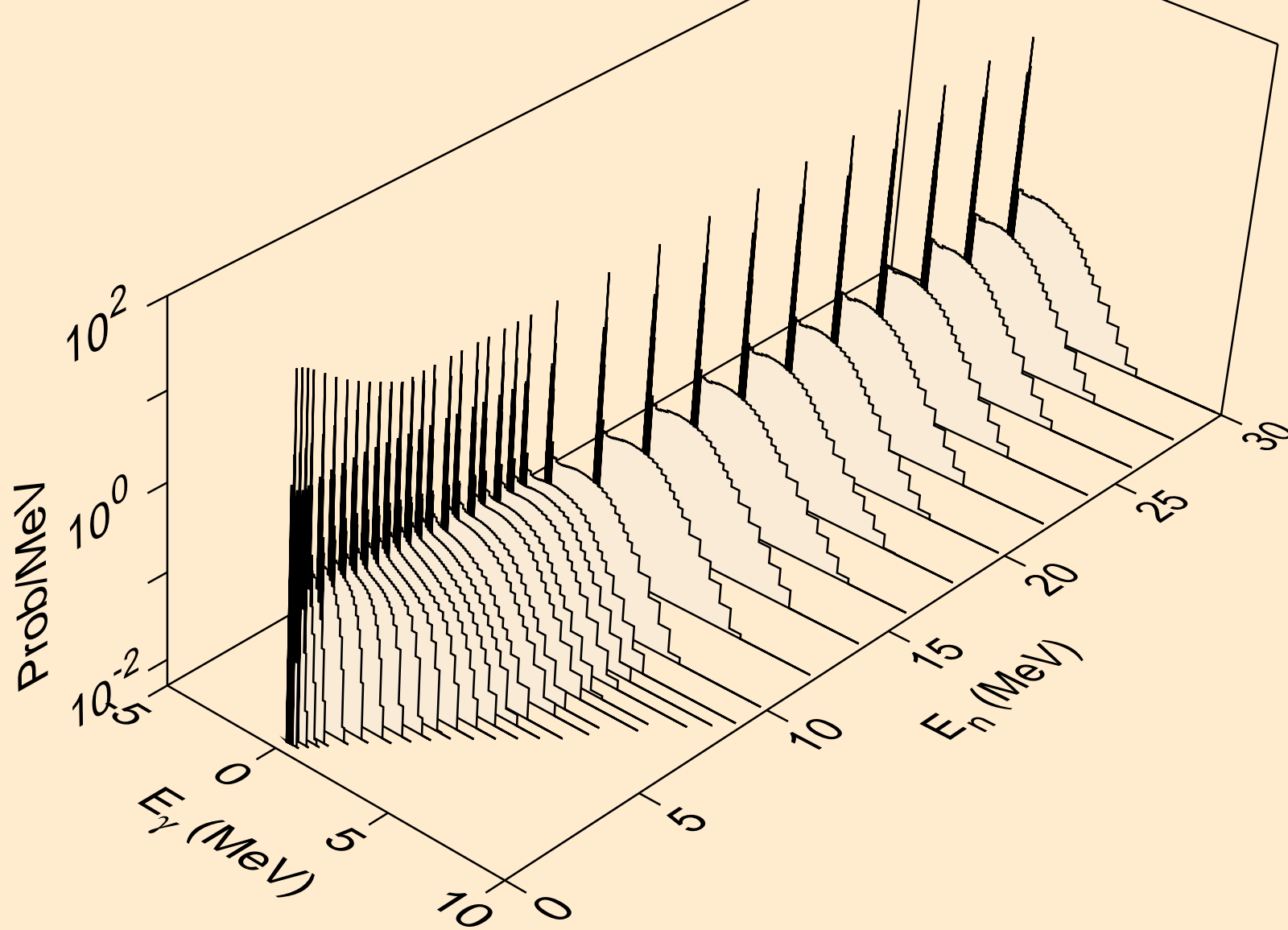
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)



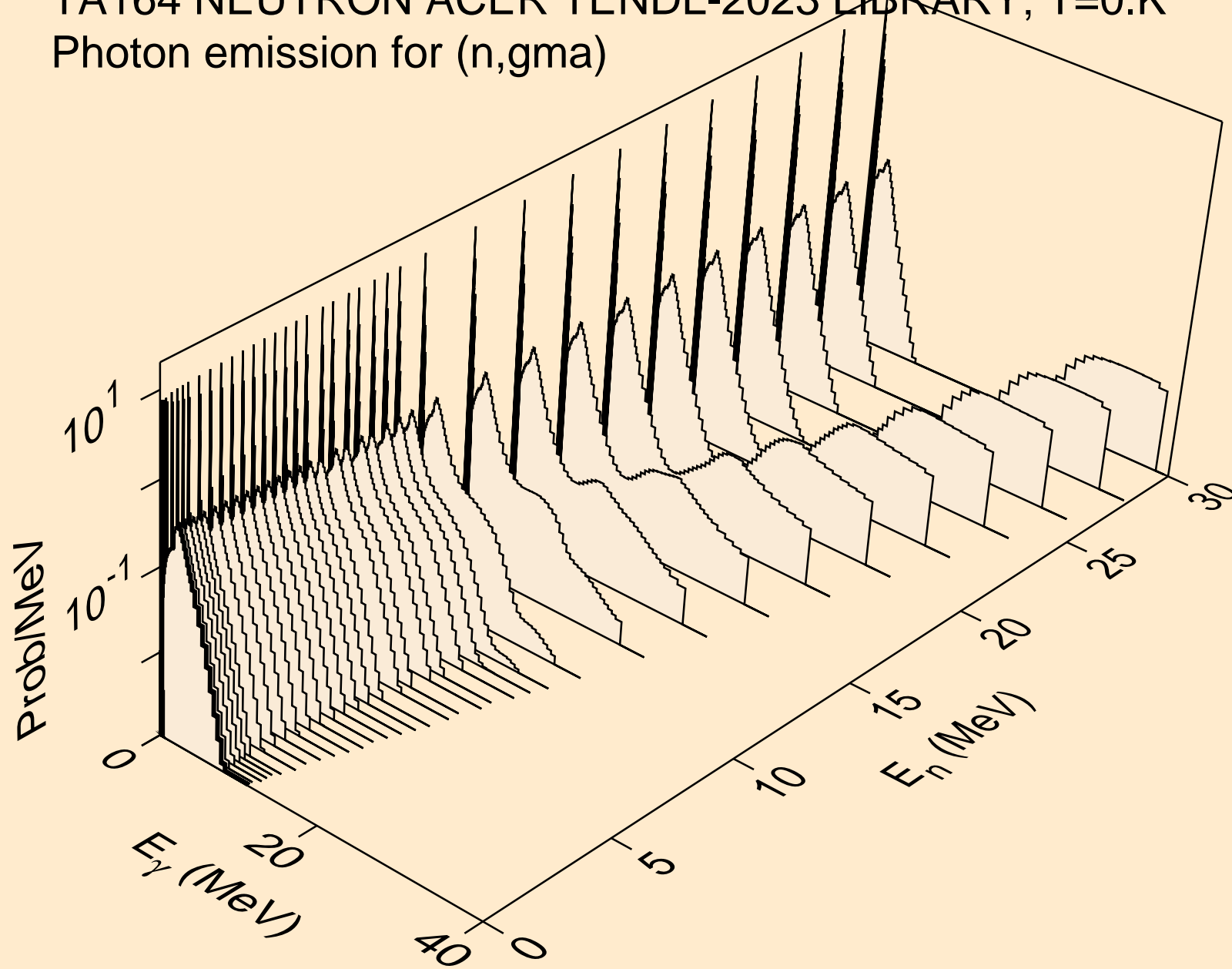
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,npa)



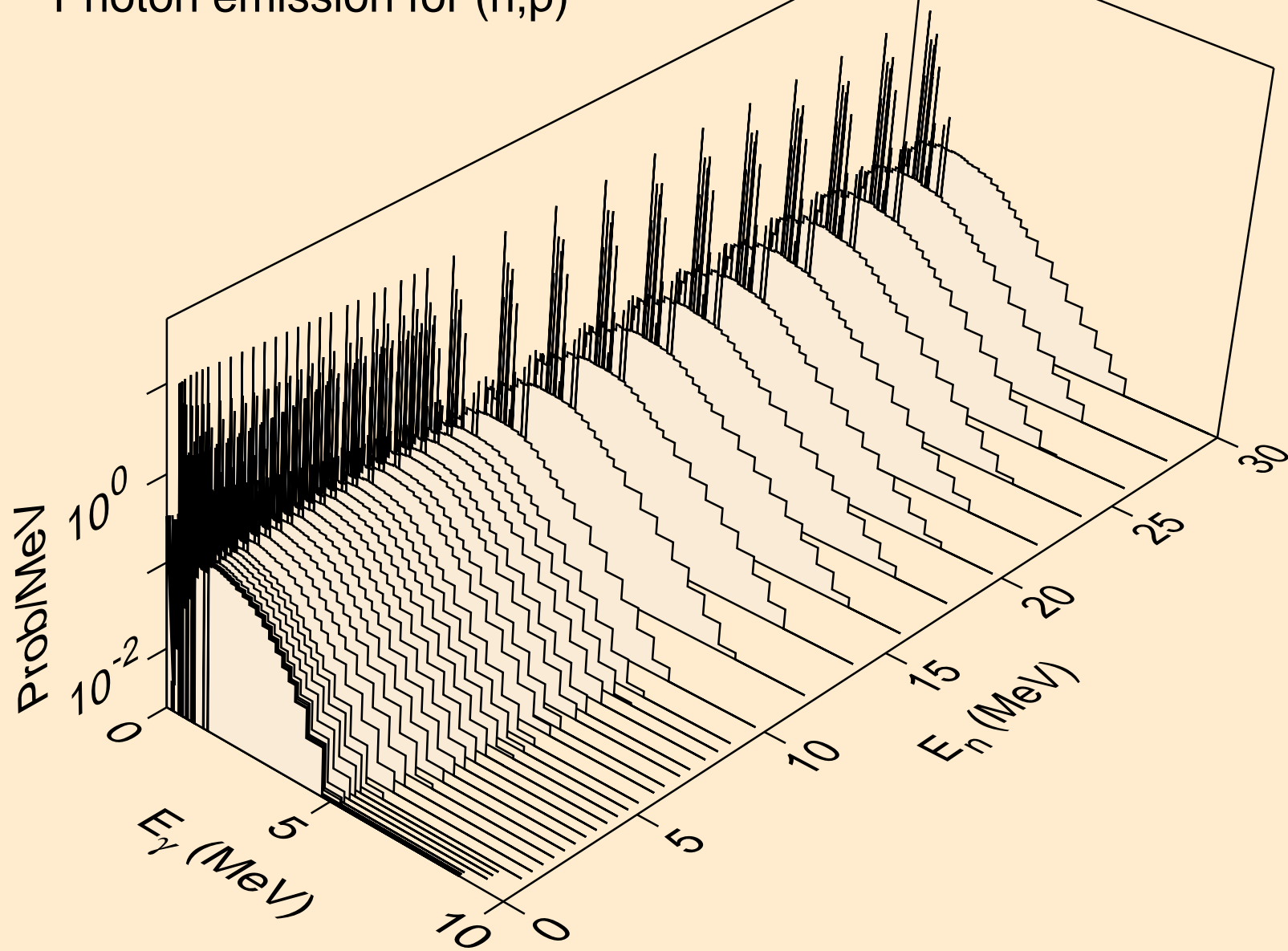
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*c)



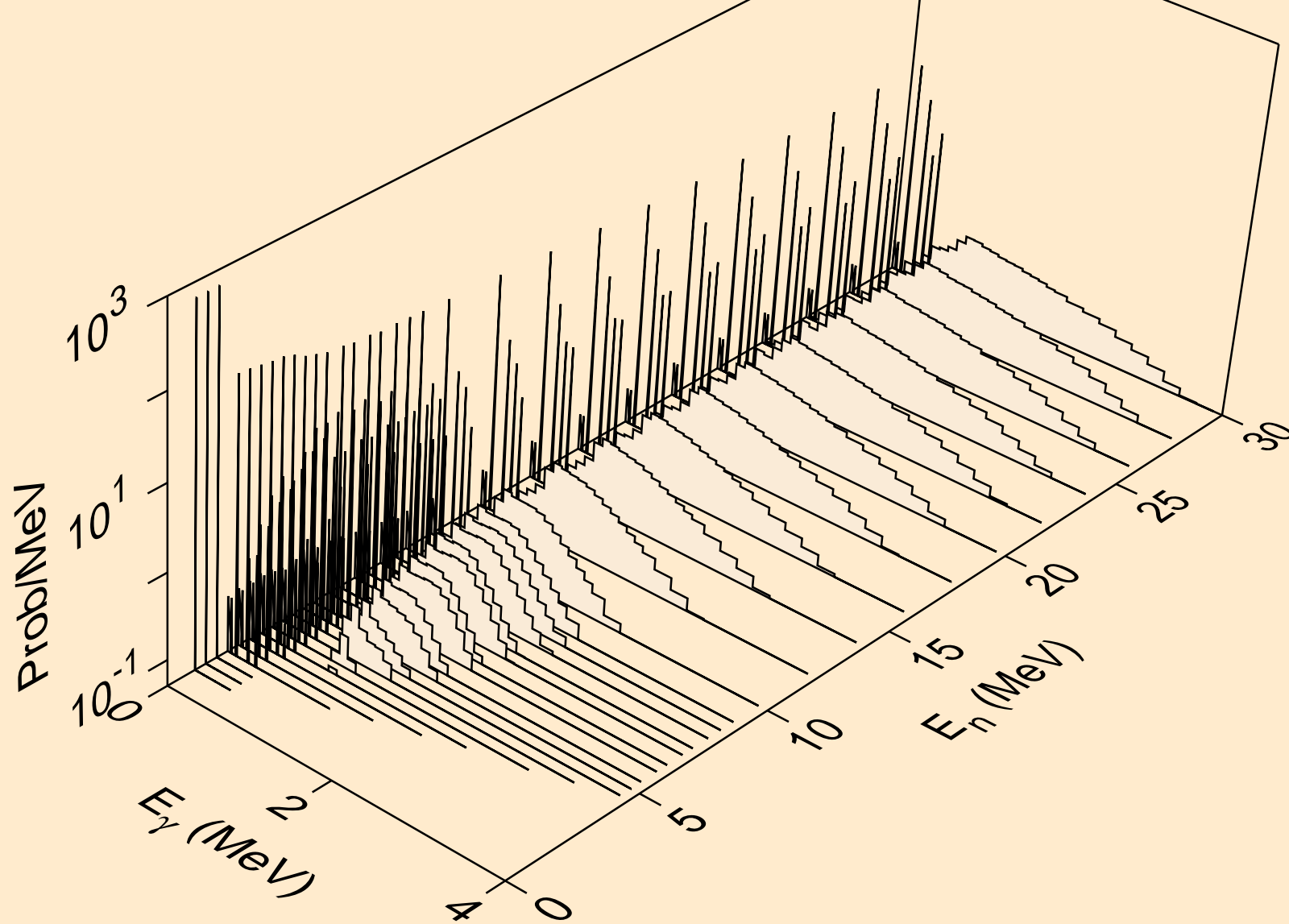
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)



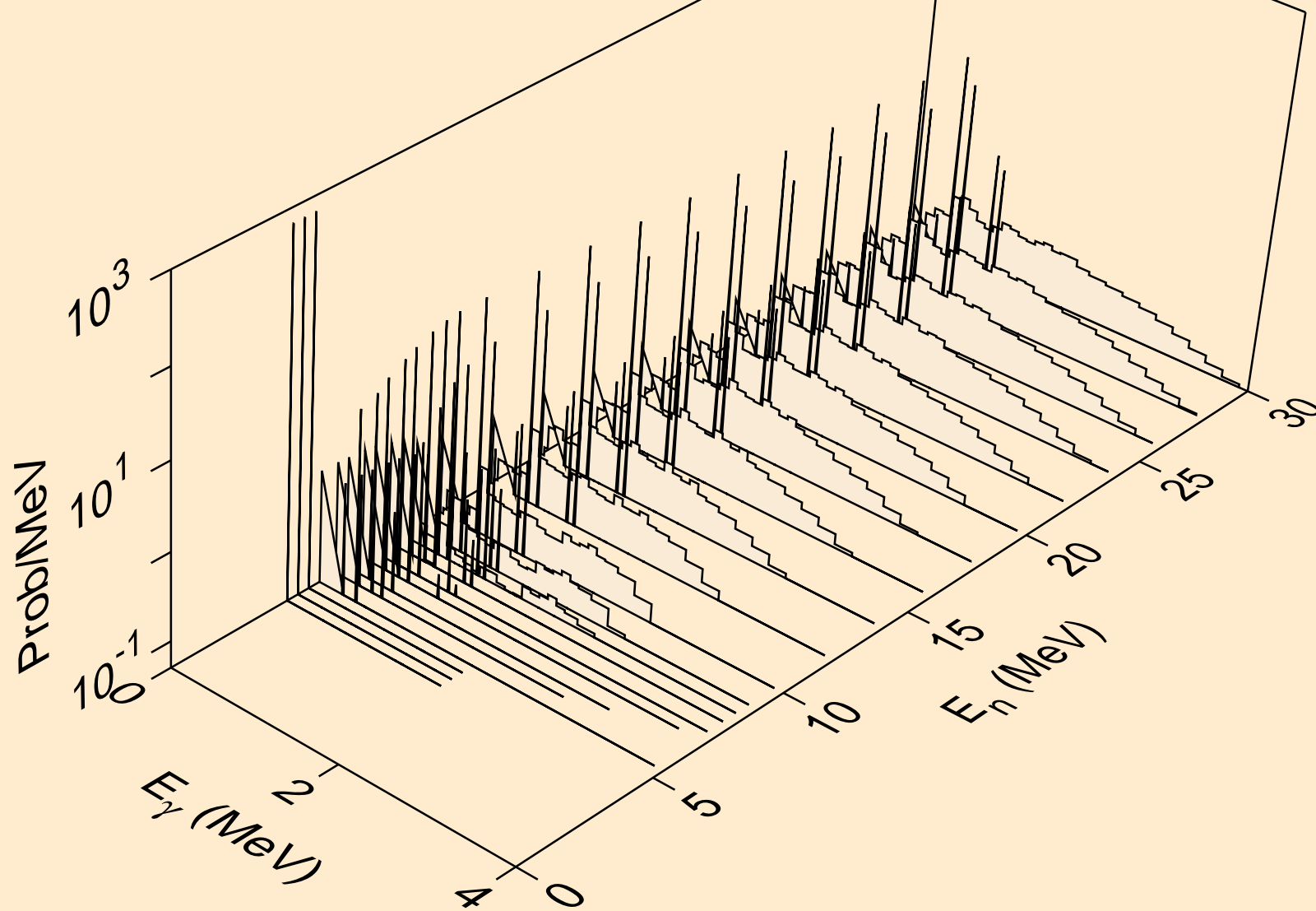
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)



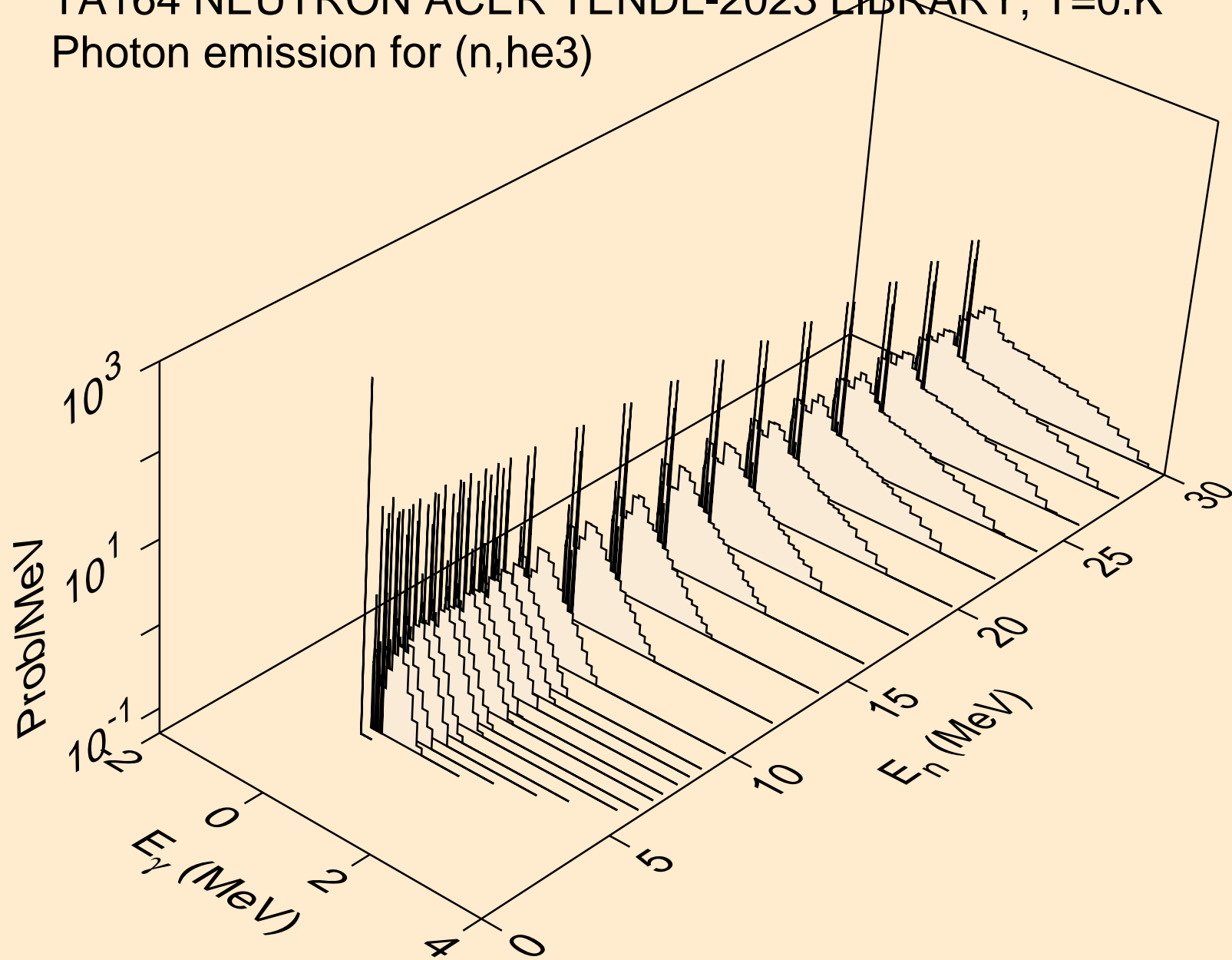
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)



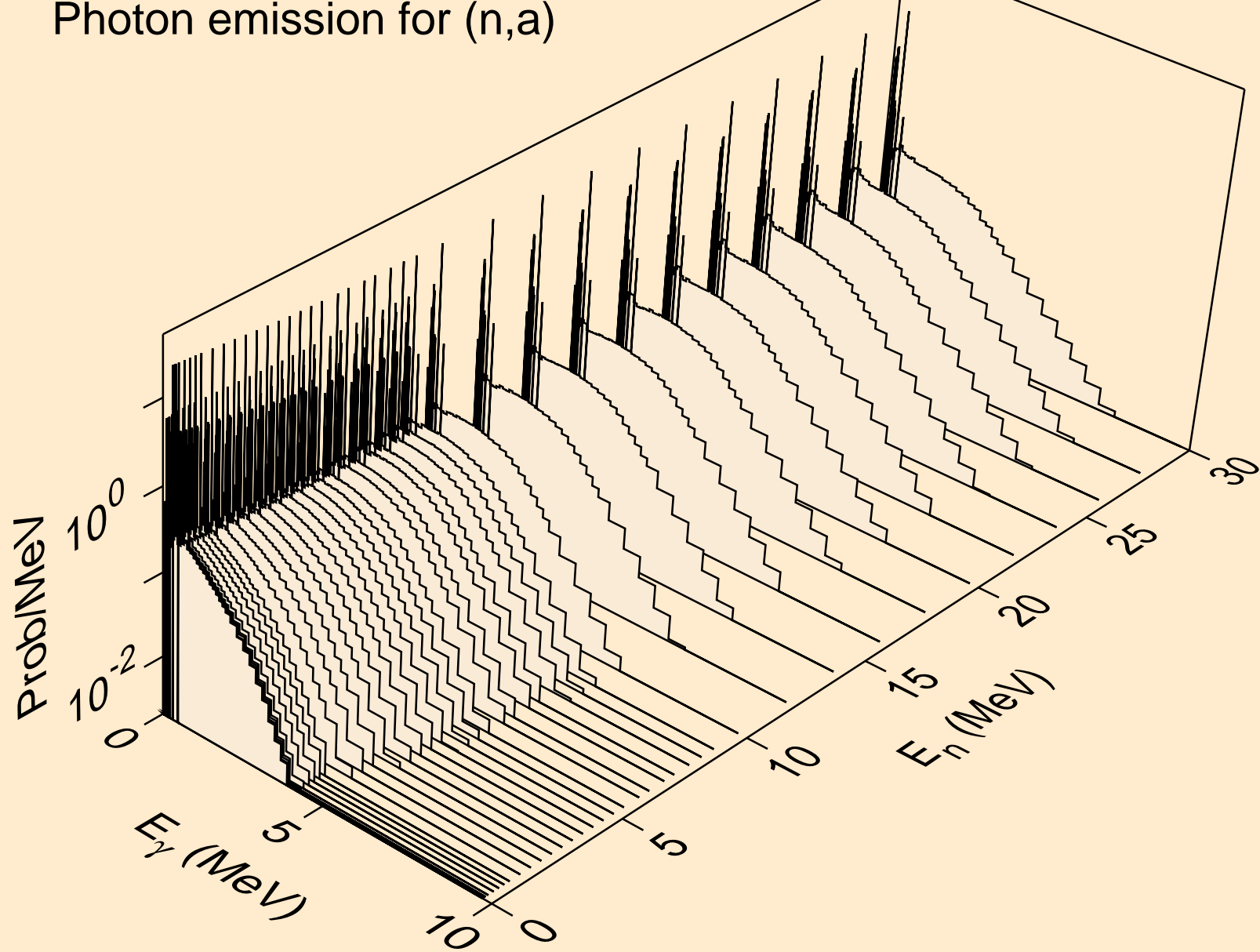
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)



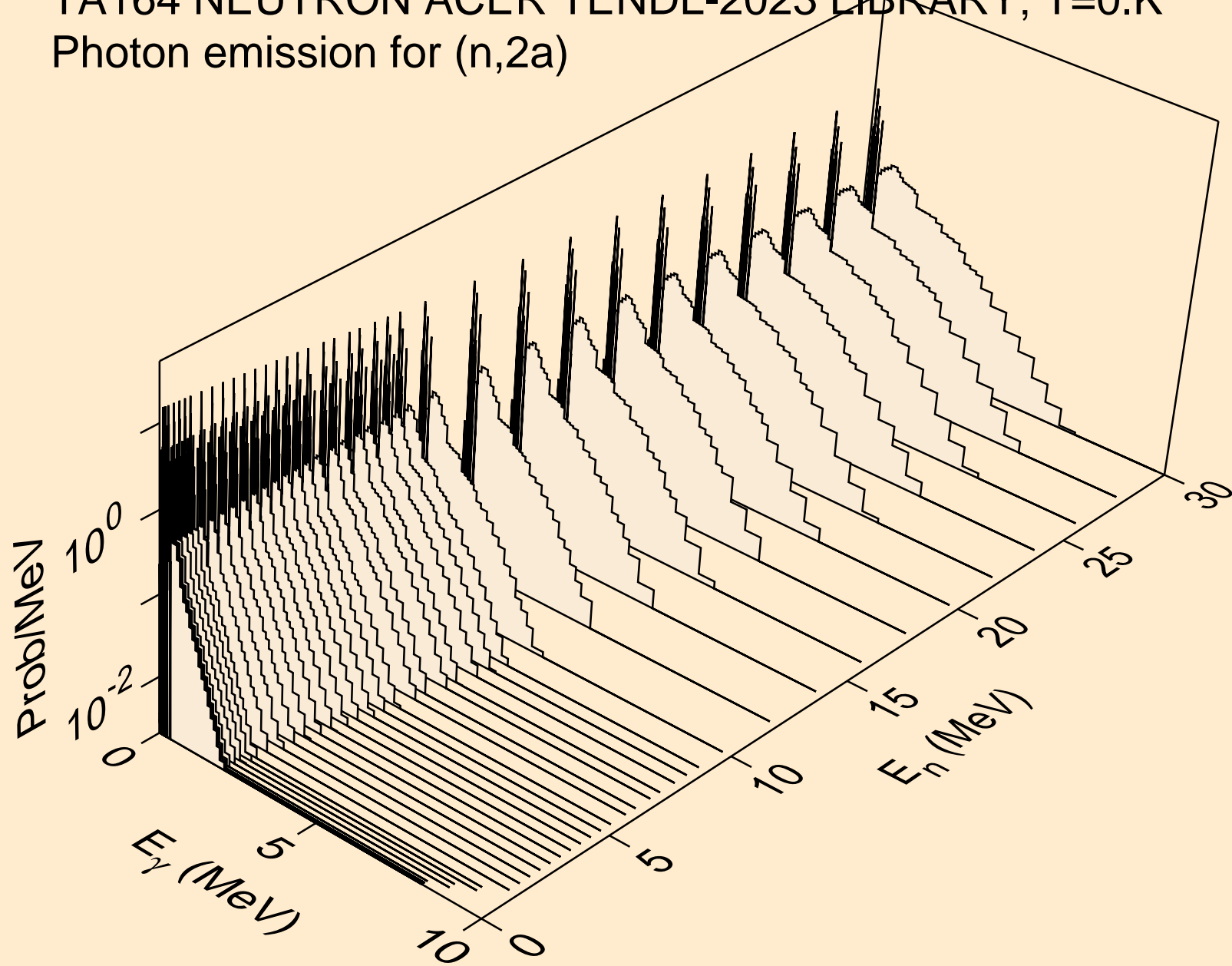
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)



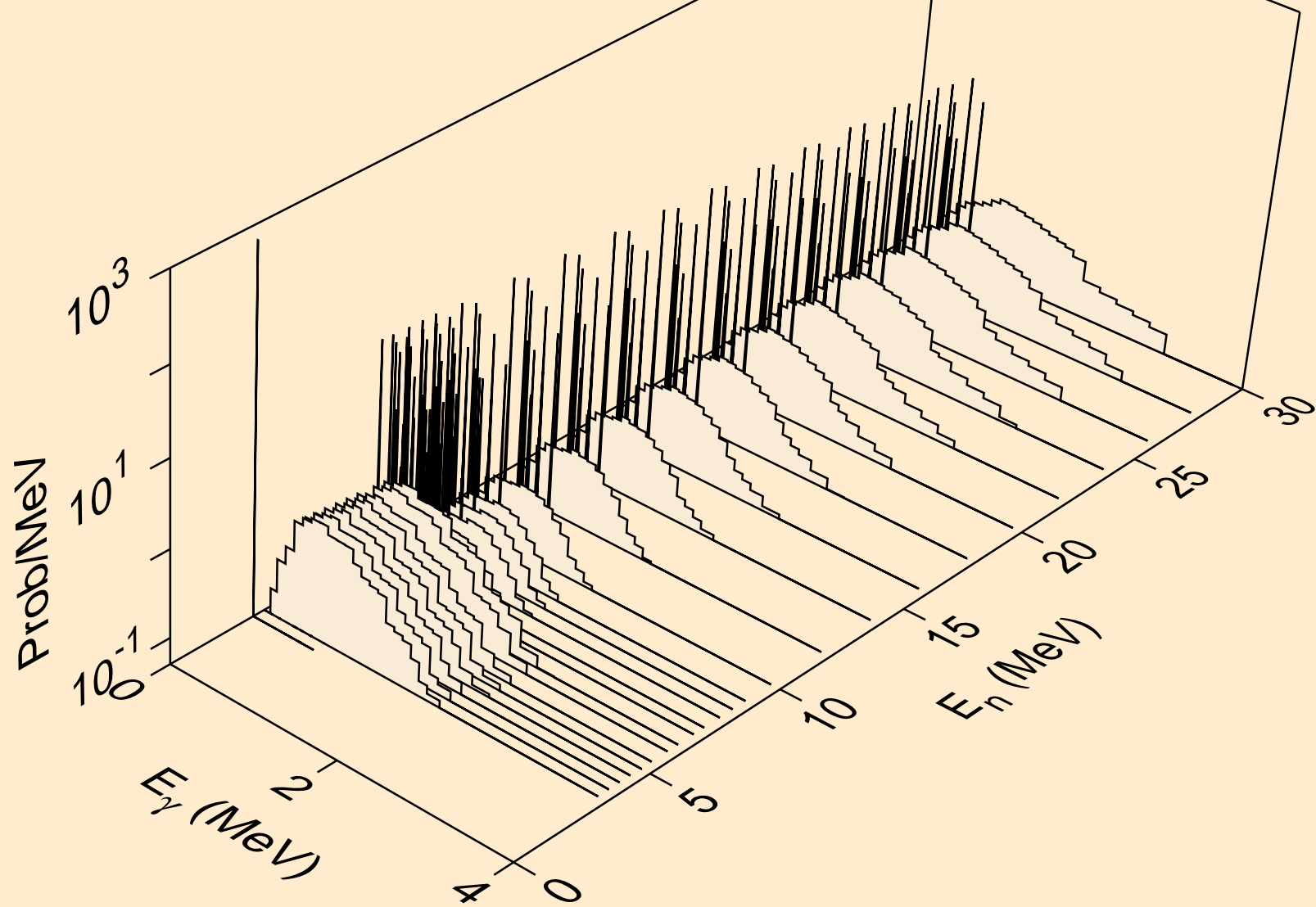
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)



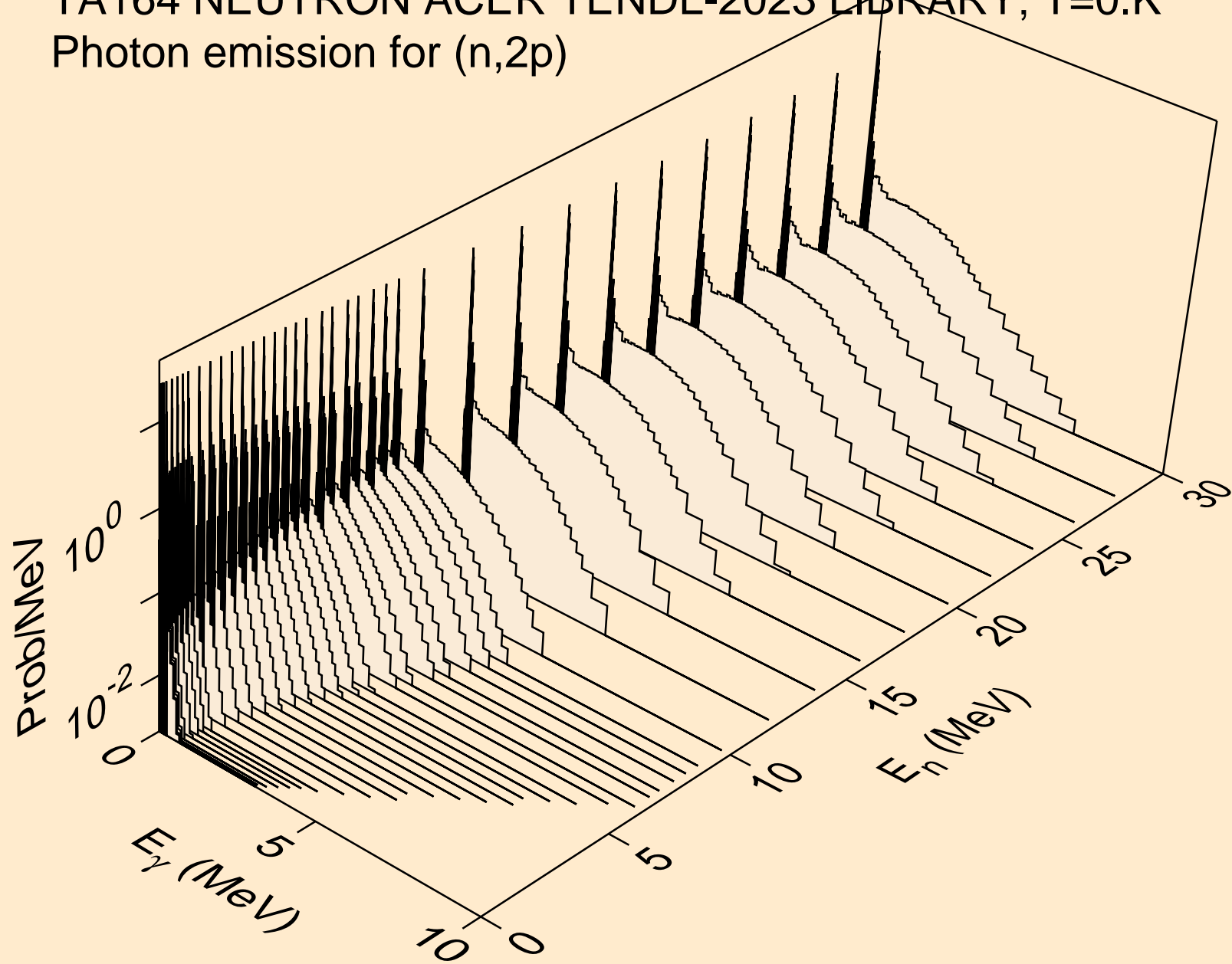
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2a)



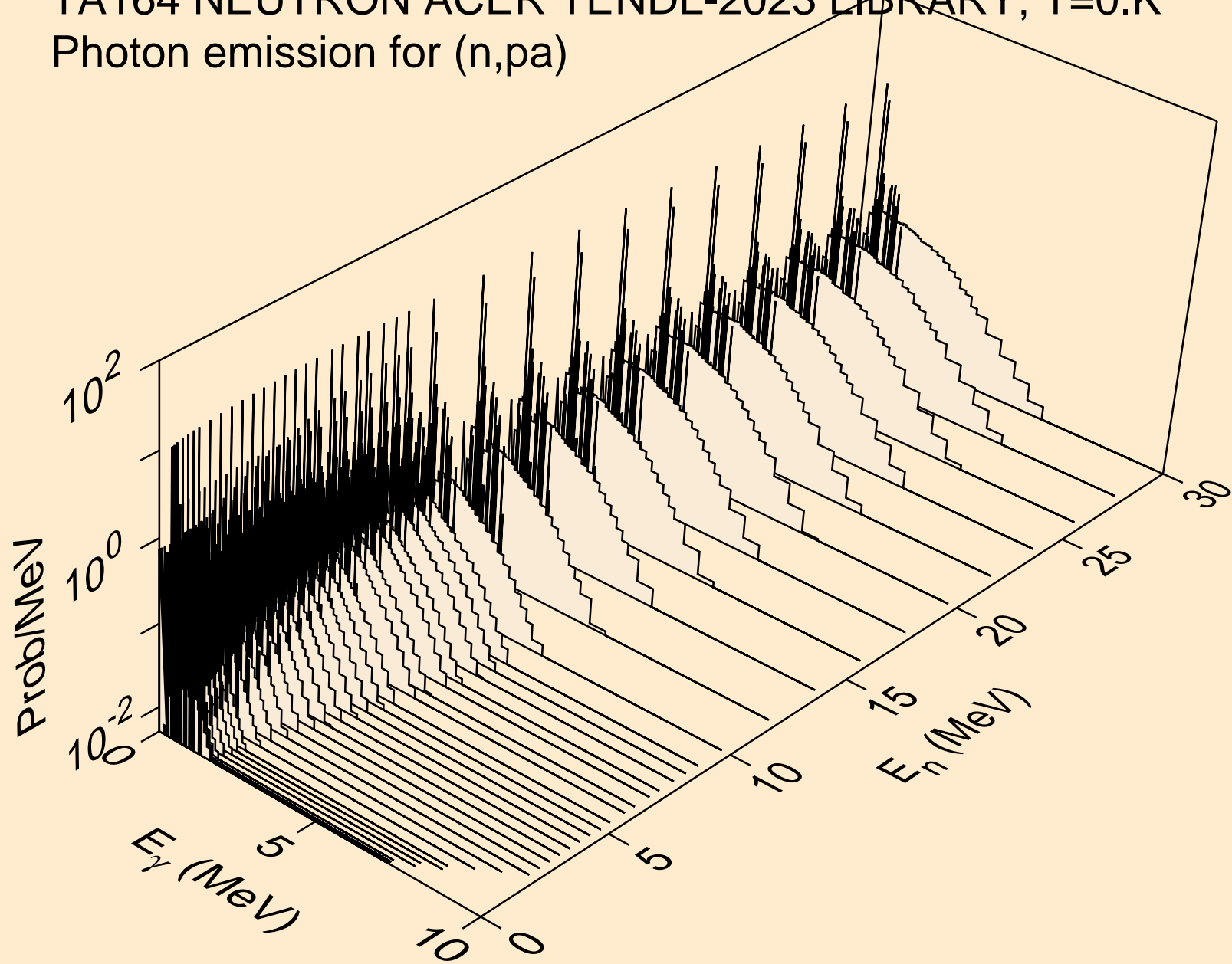
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3a)



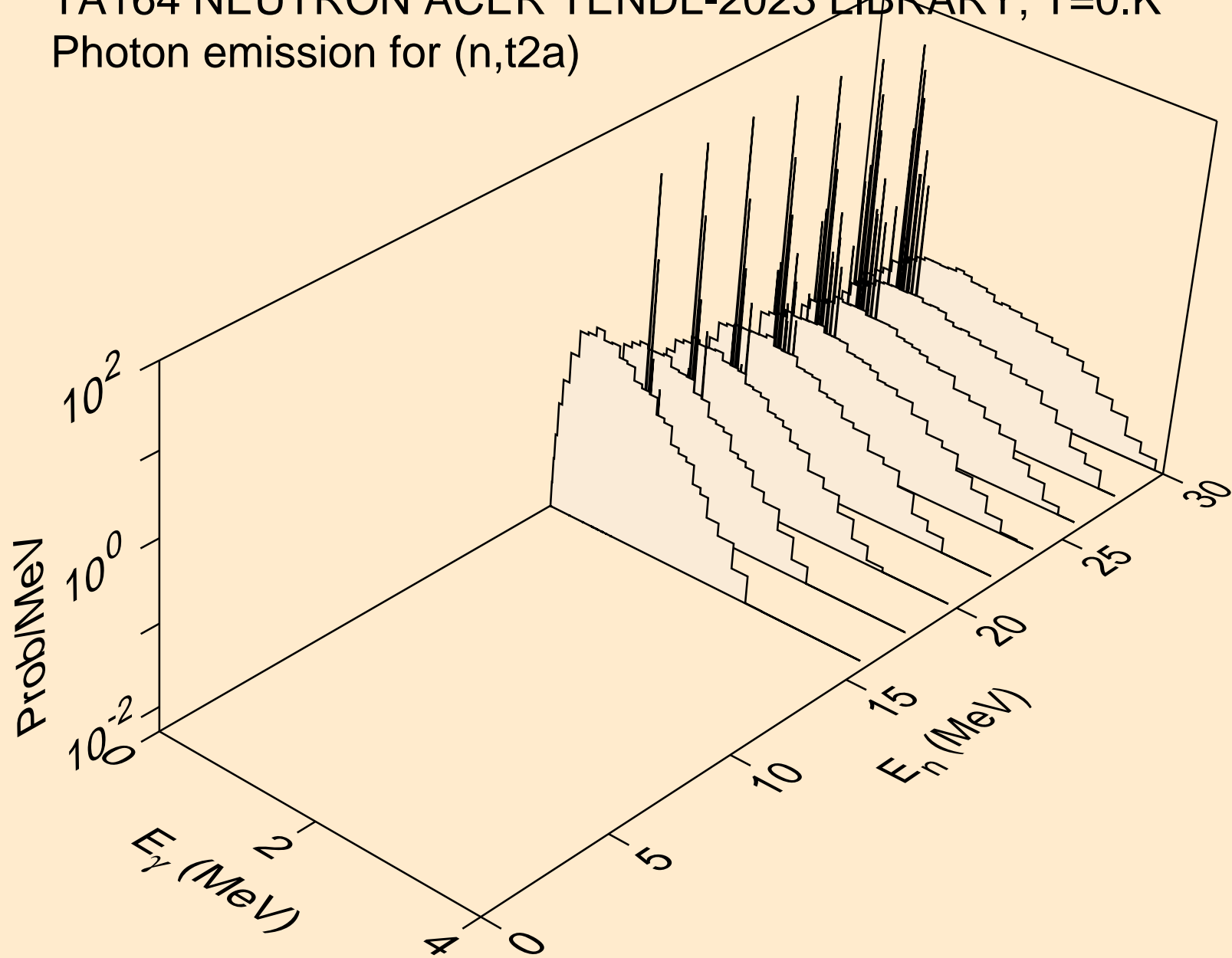
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)



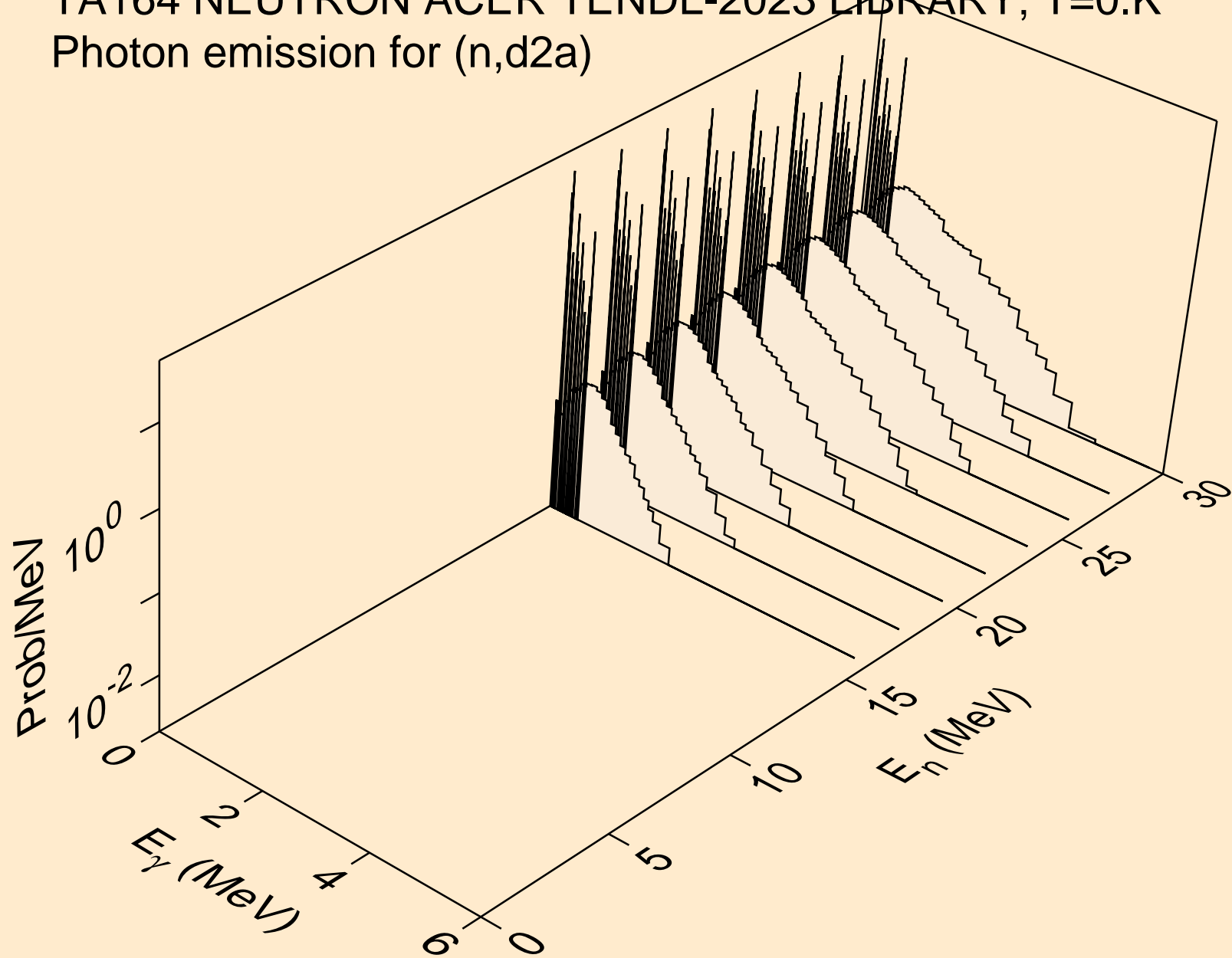
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p $\alpha$ )



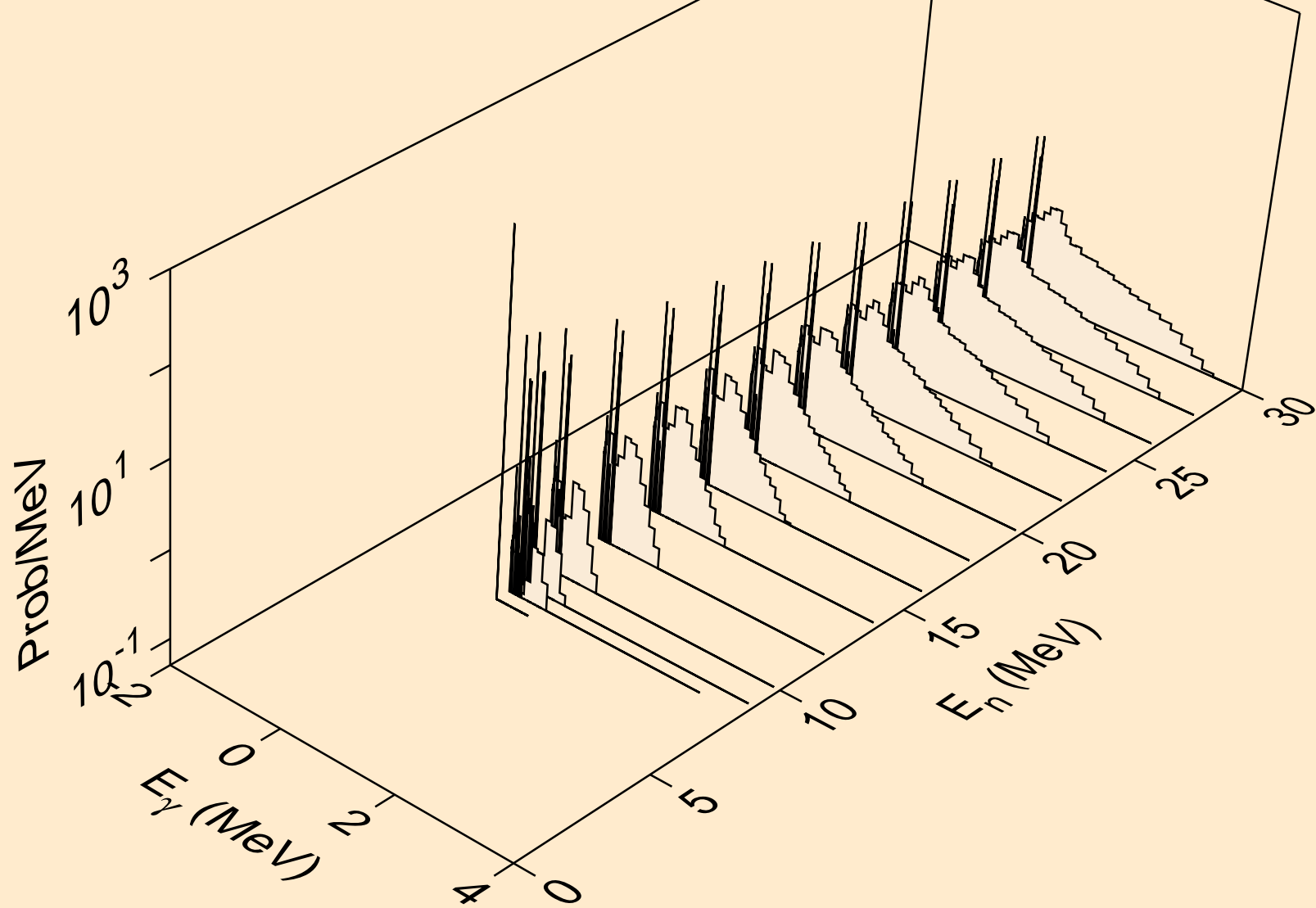
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t2a)



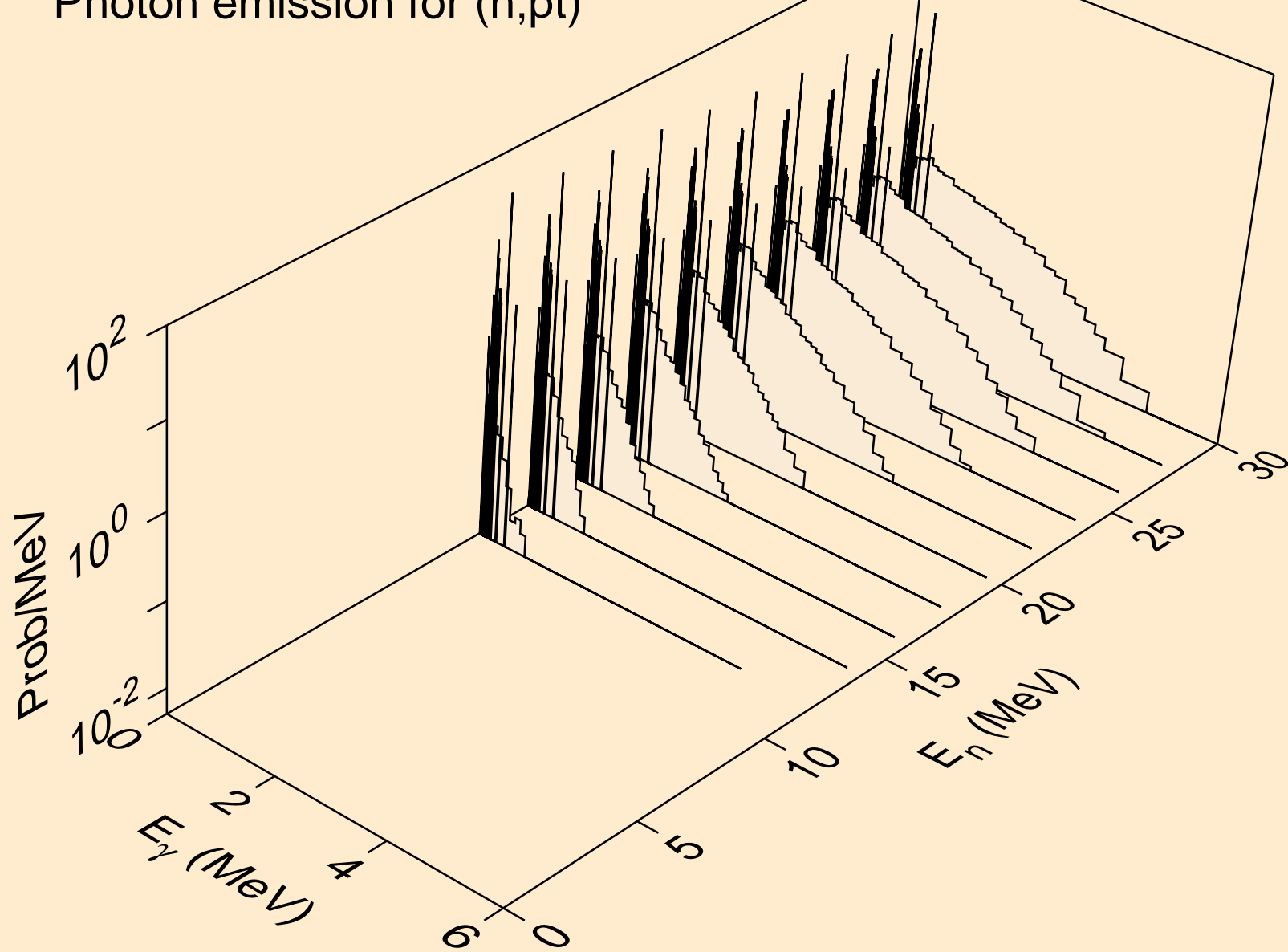
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d2a)



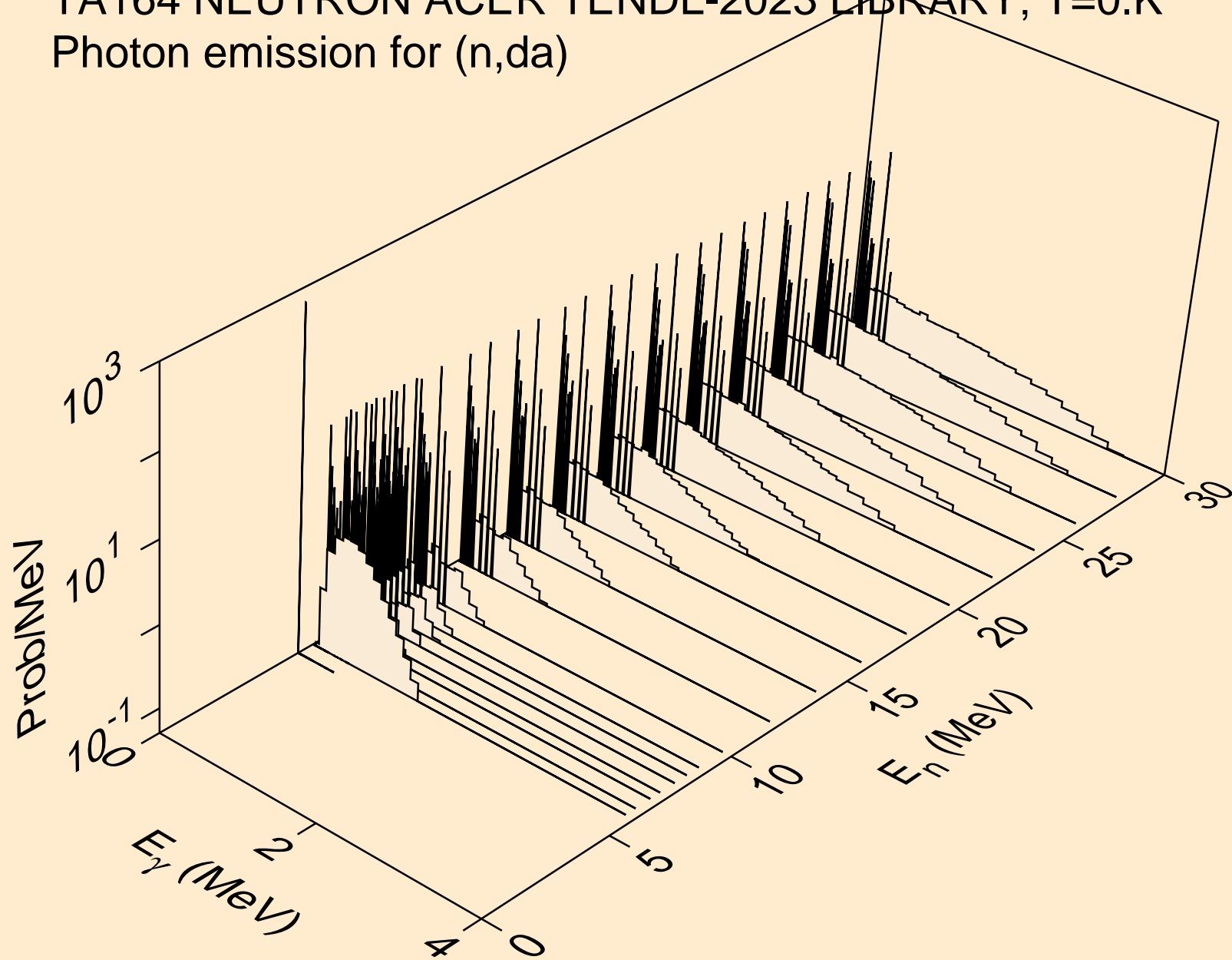
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)



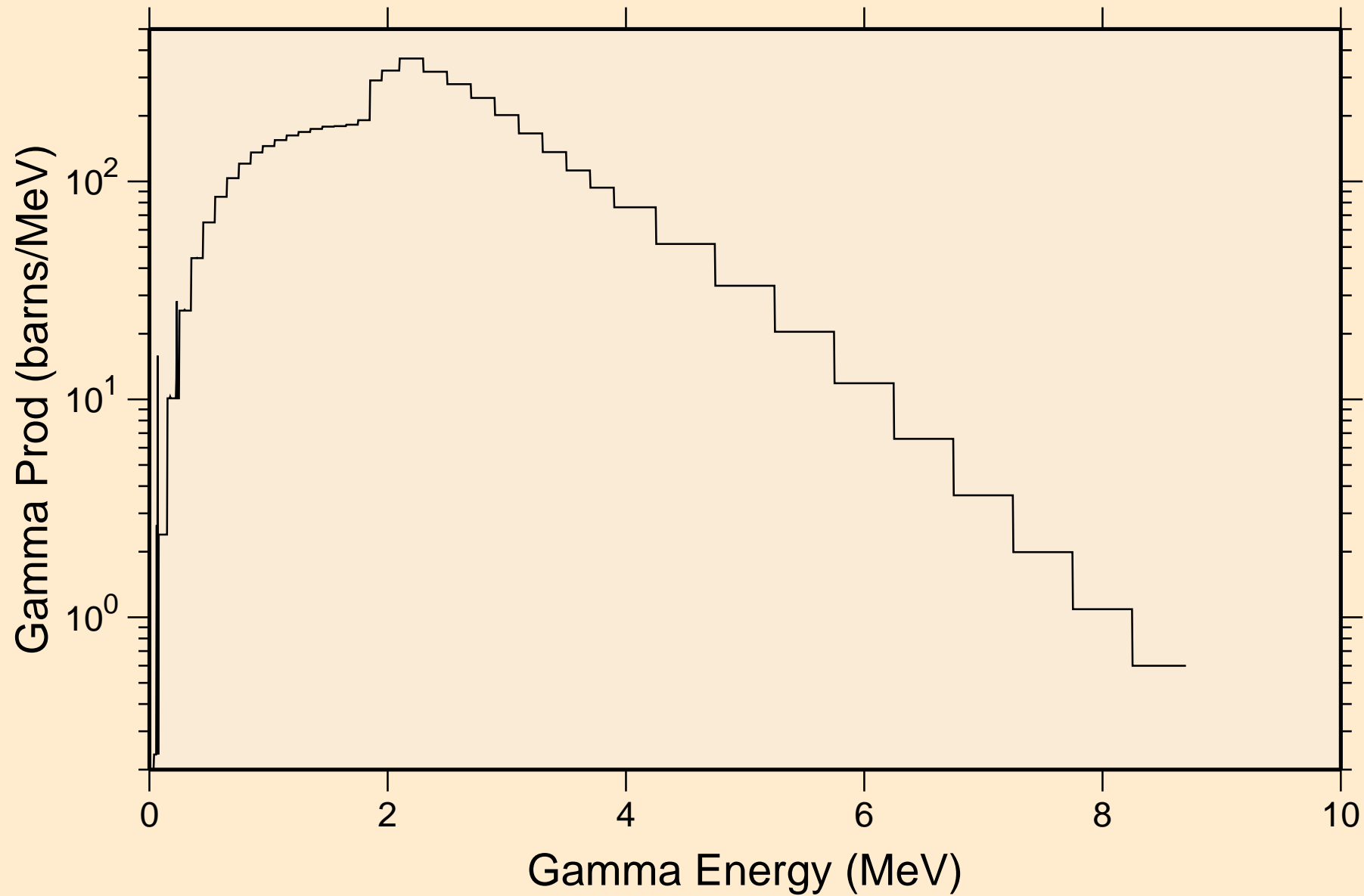
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)



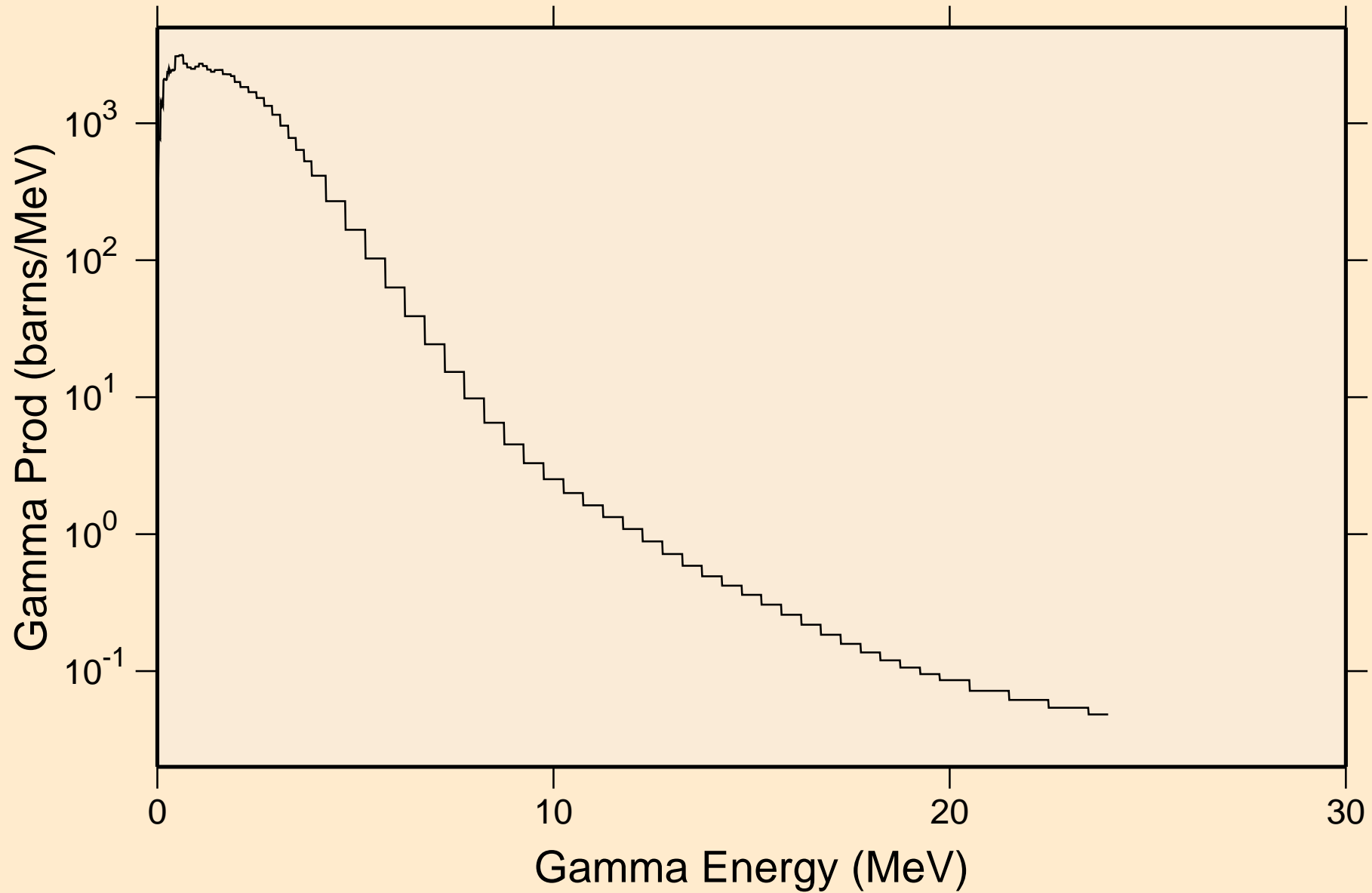
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)



TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
thermal capture photon spectrum

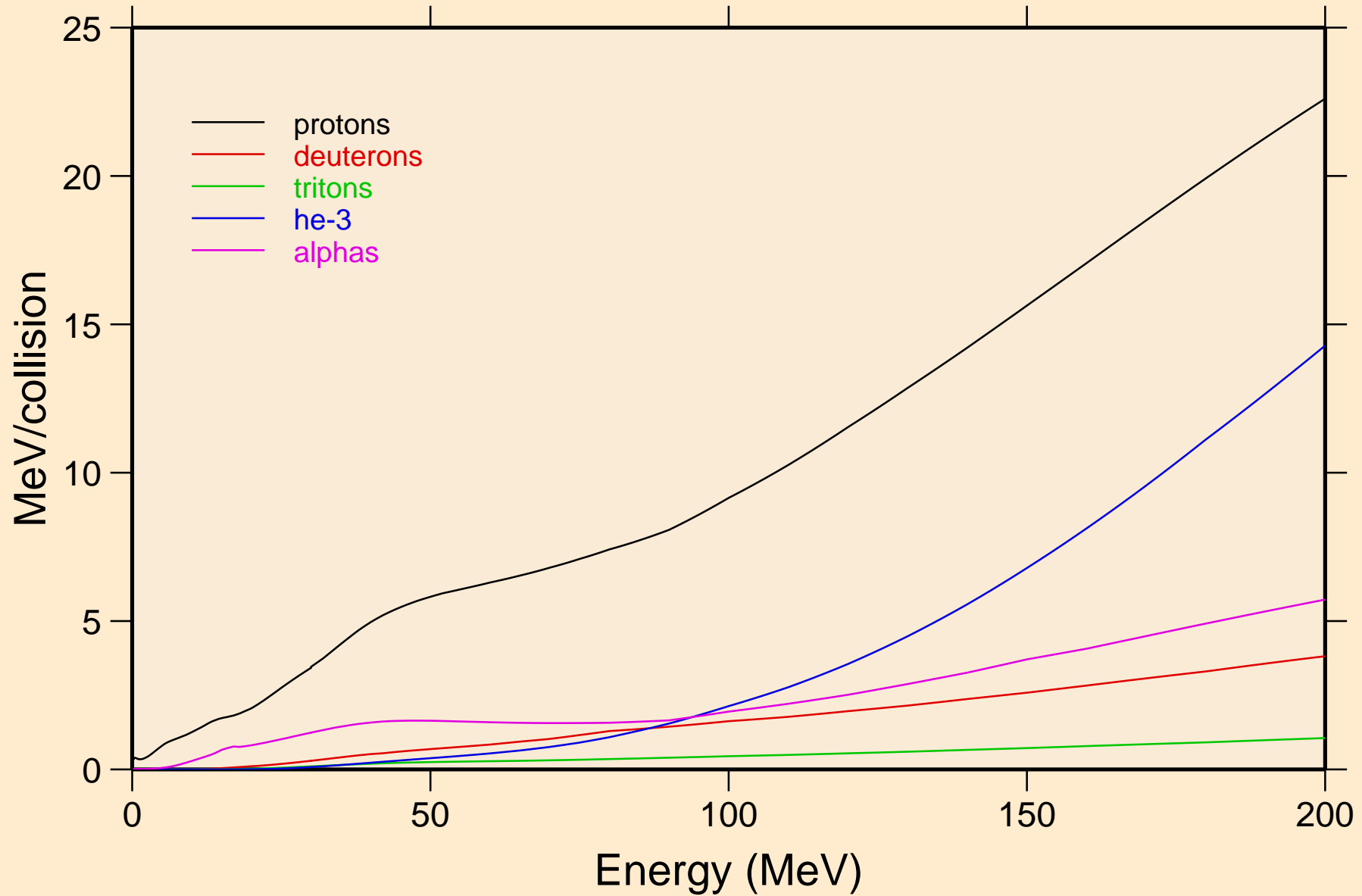


TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
14 MeV photon spectrum

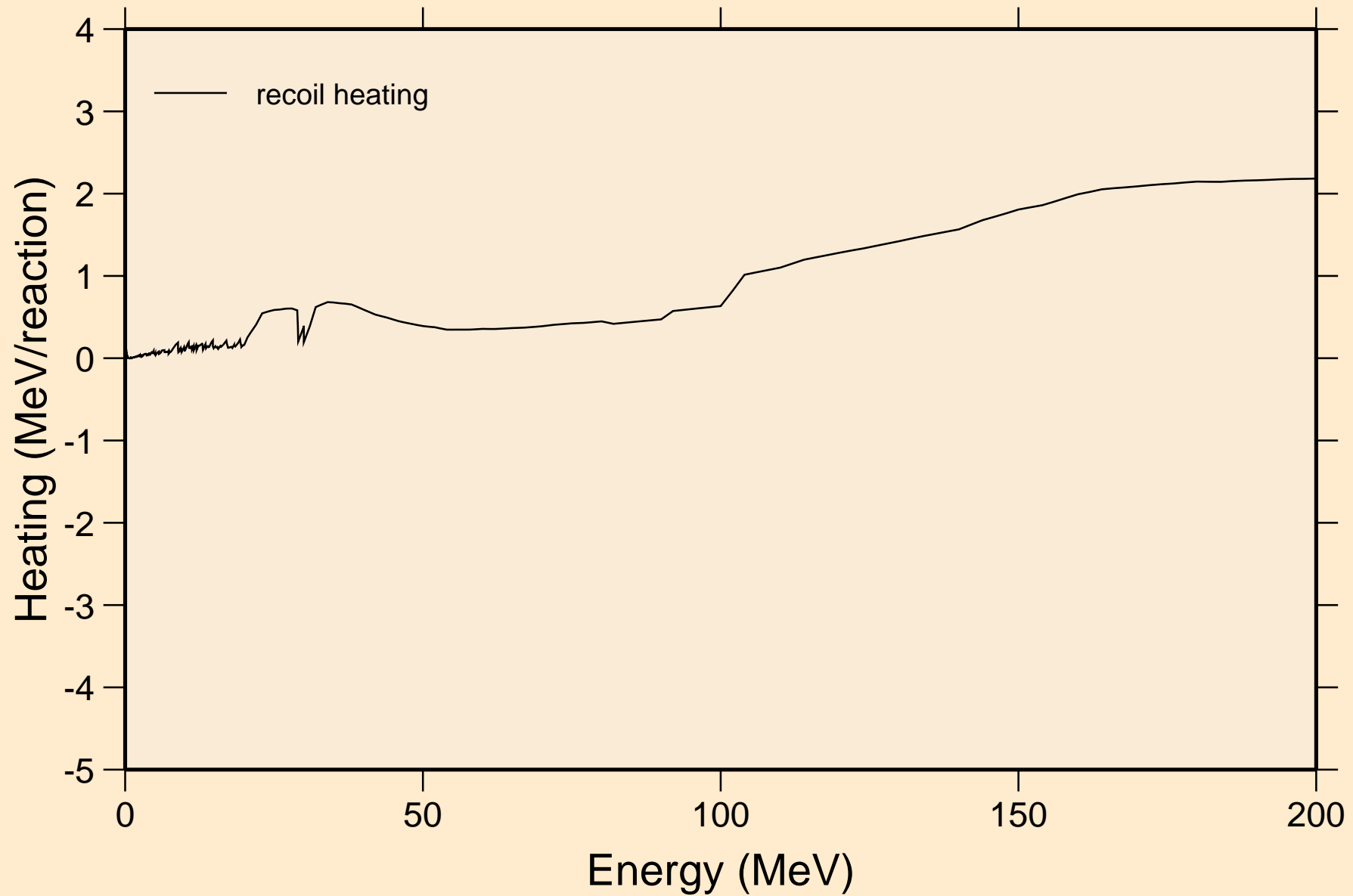


# TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

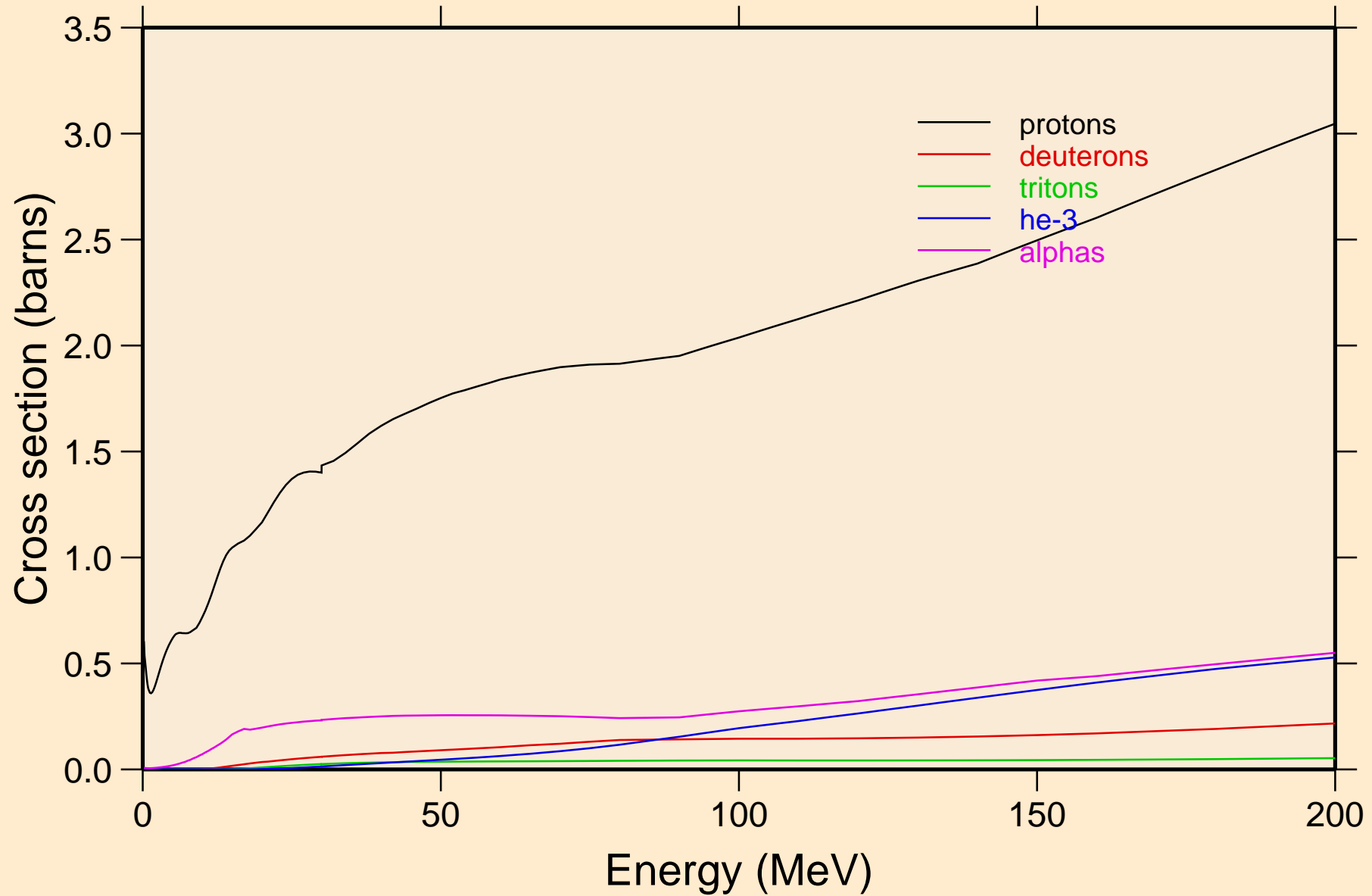
## Particle heating contributions



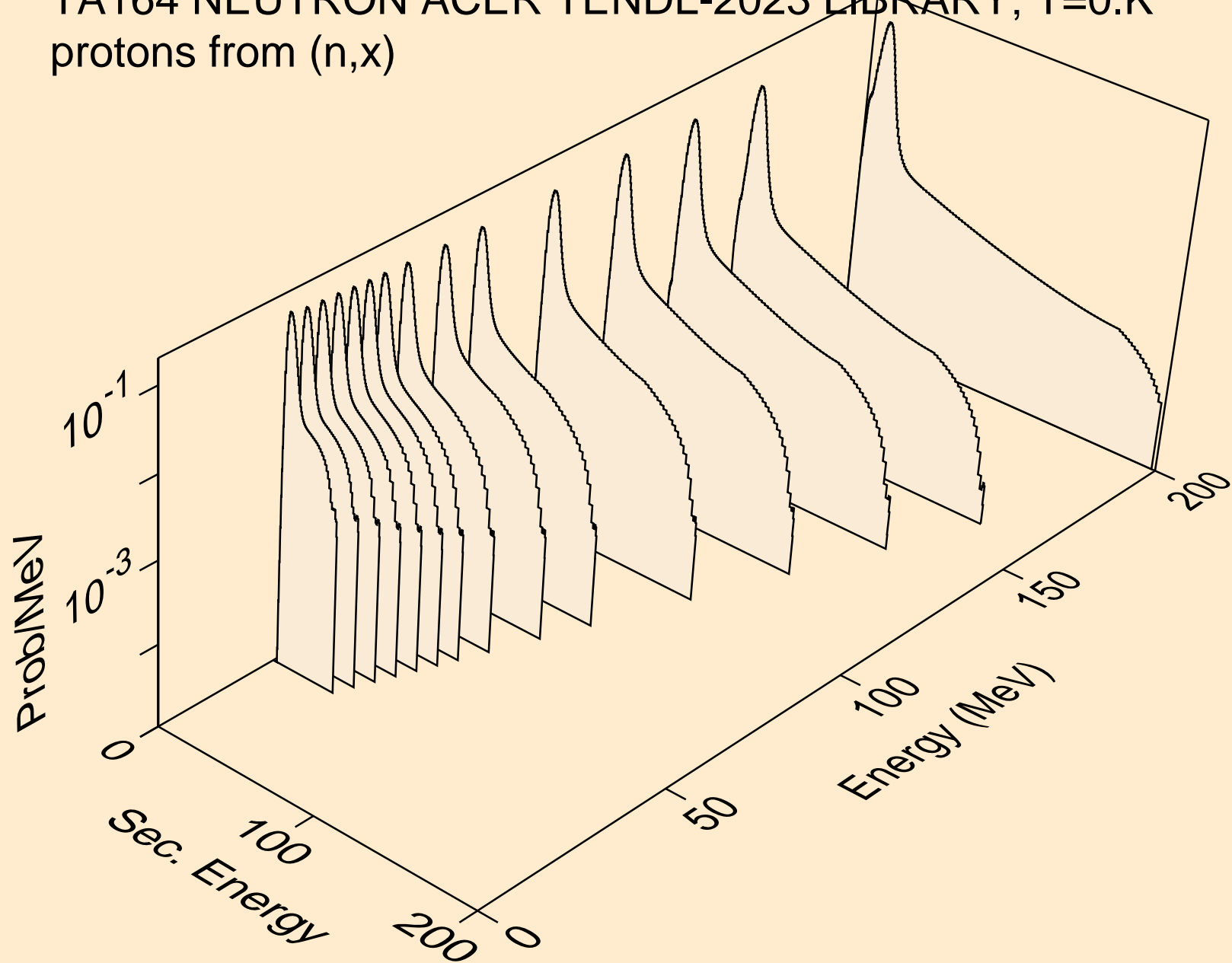
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating



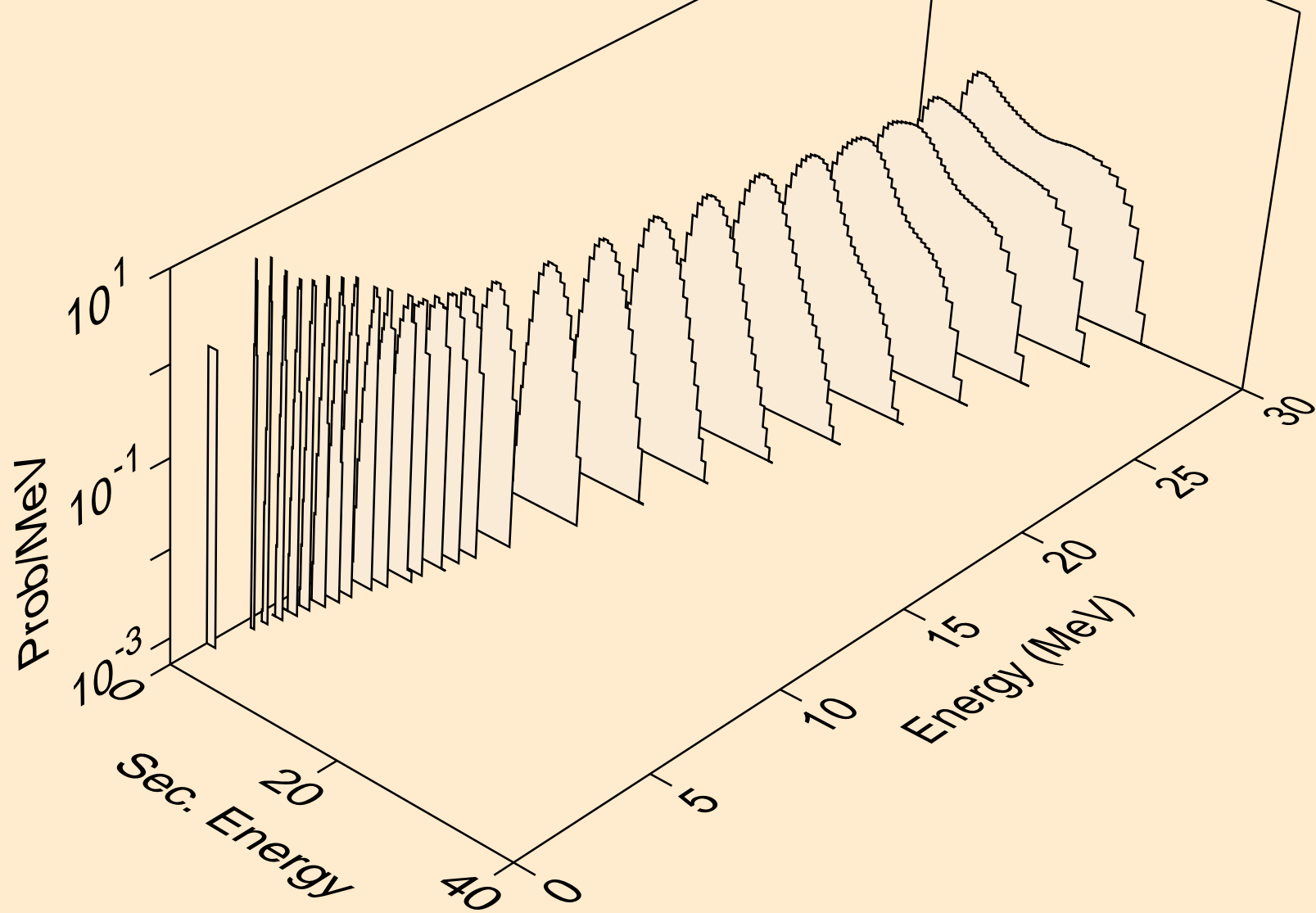
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Particle production cross sections



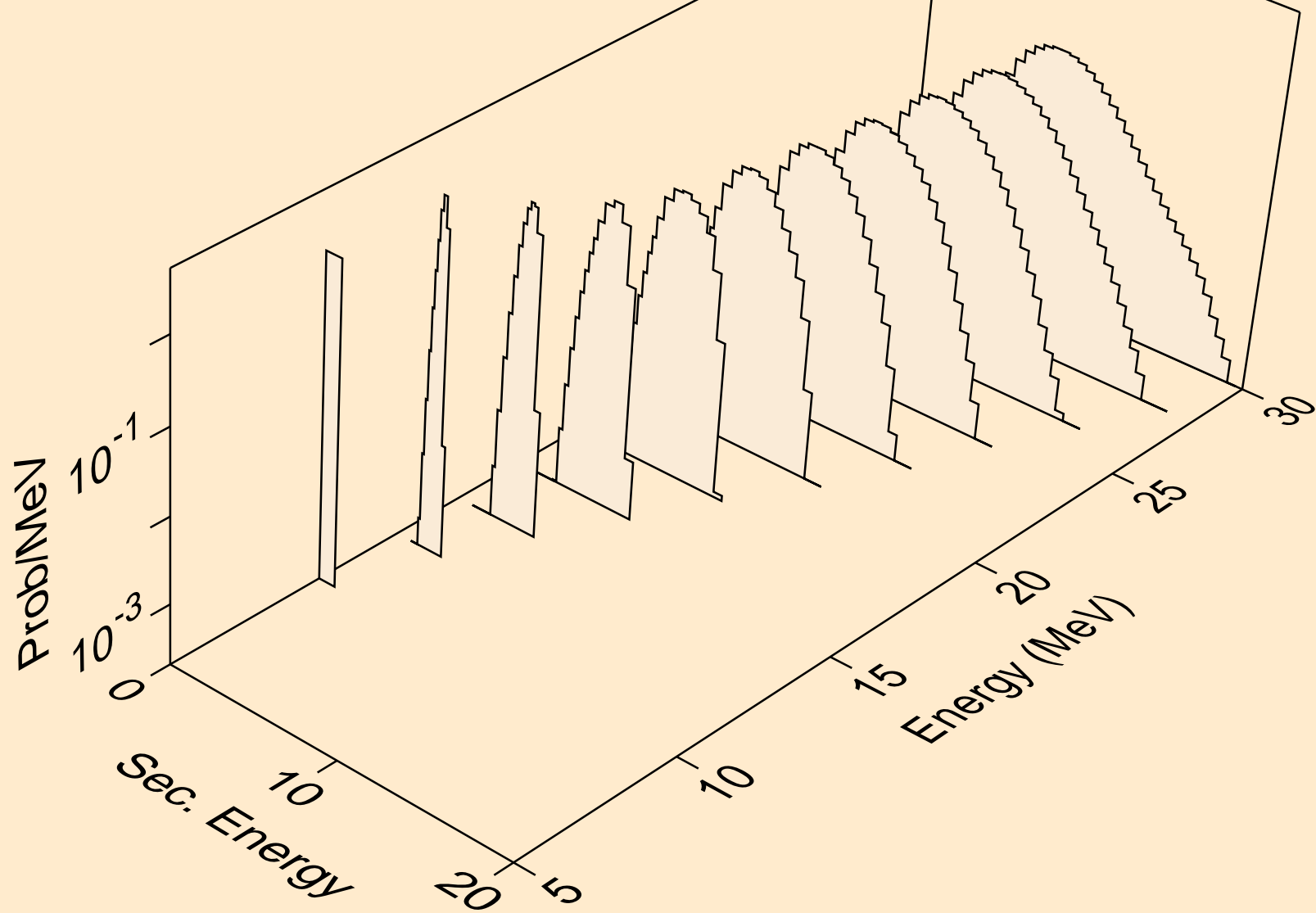
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,x)



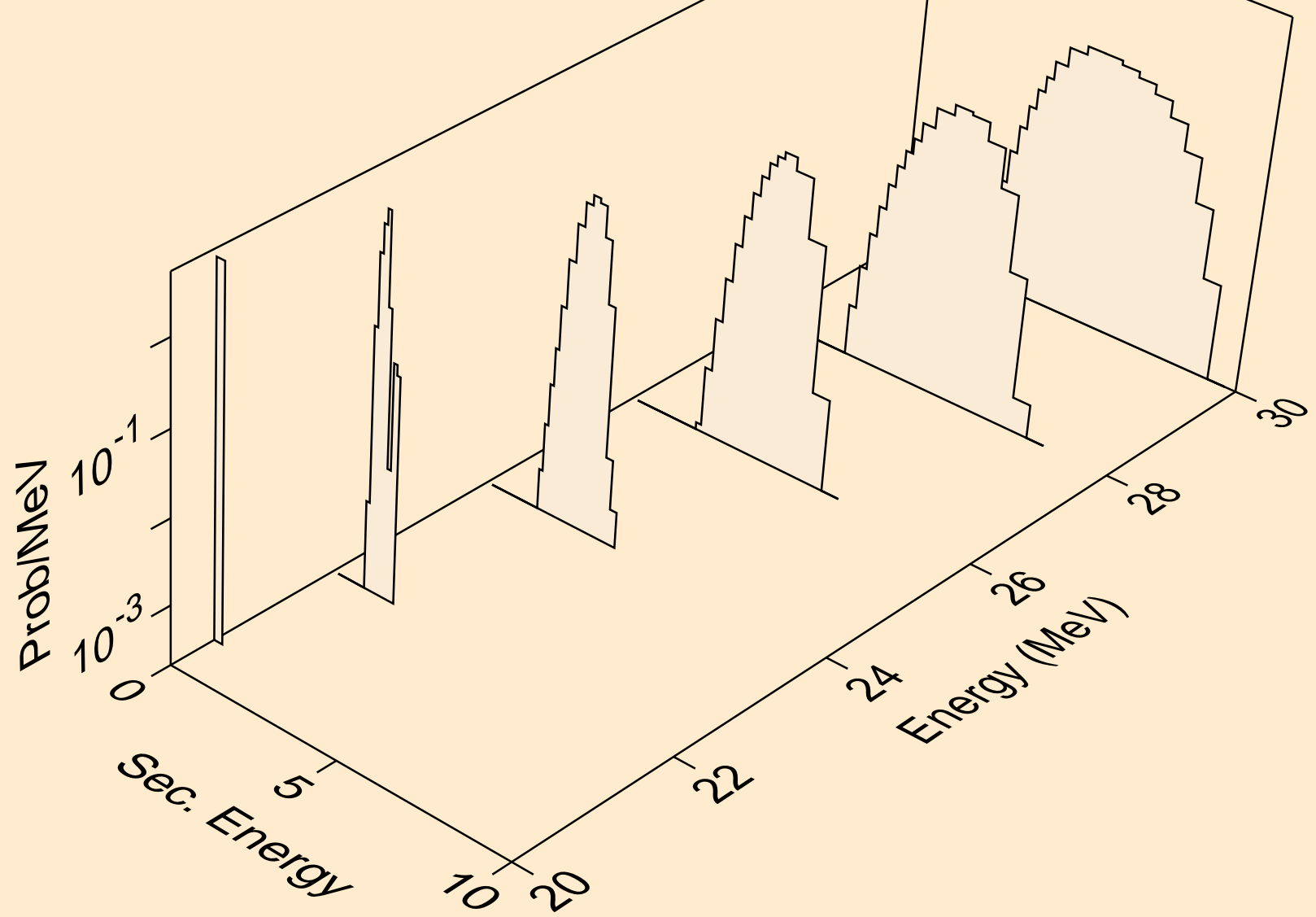
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n\*)p



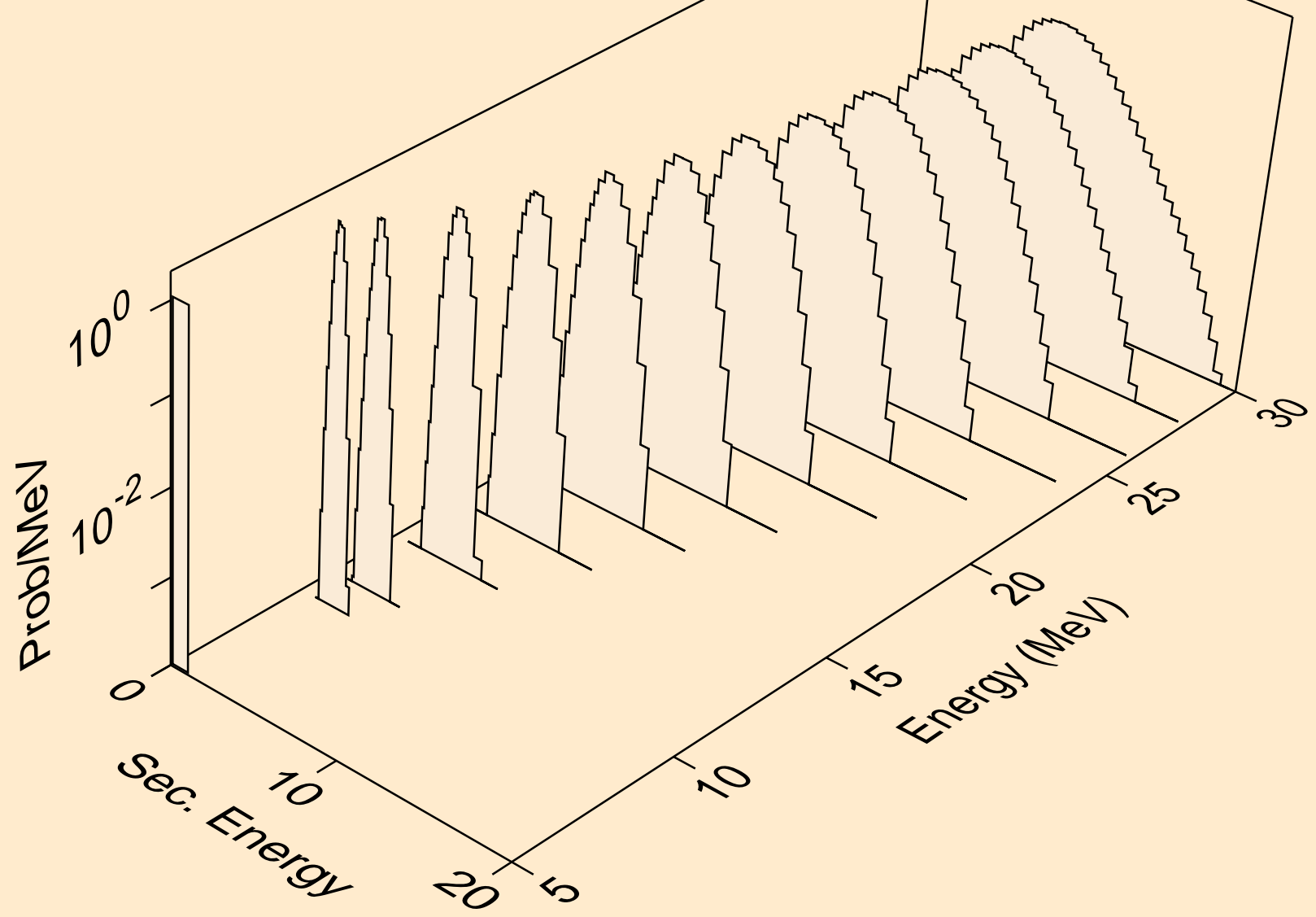
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,2np)



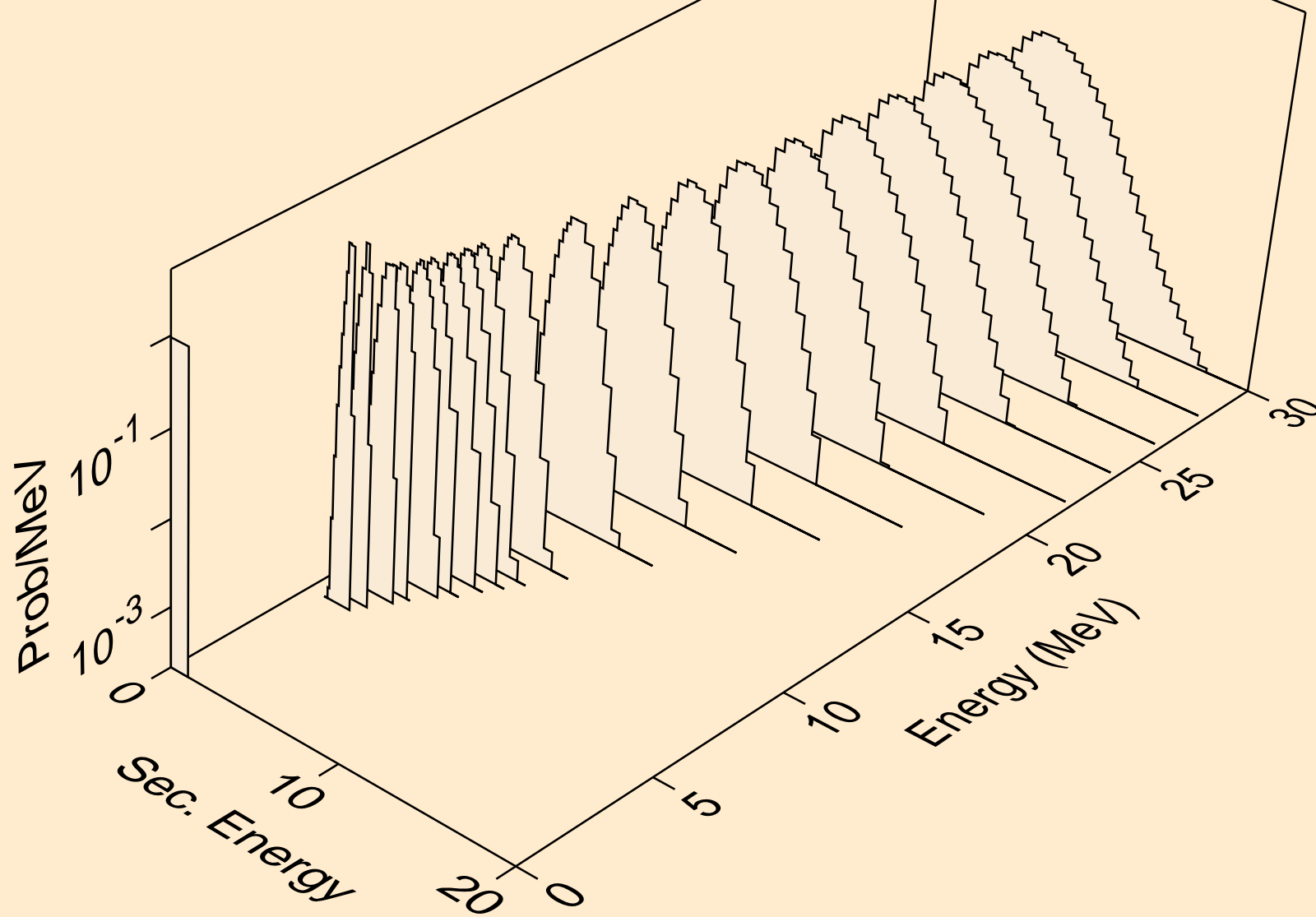
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,3np)



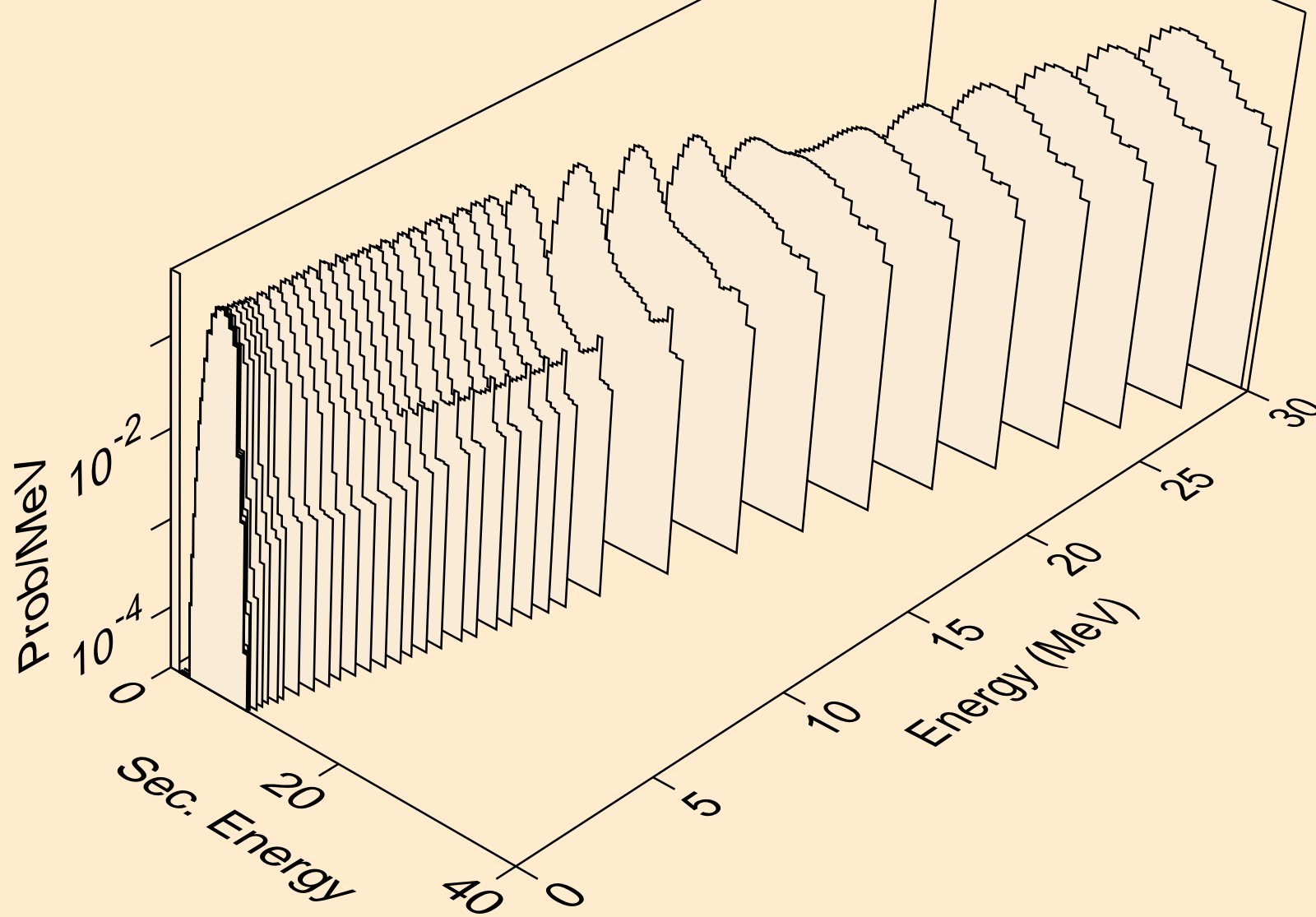
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n2p)



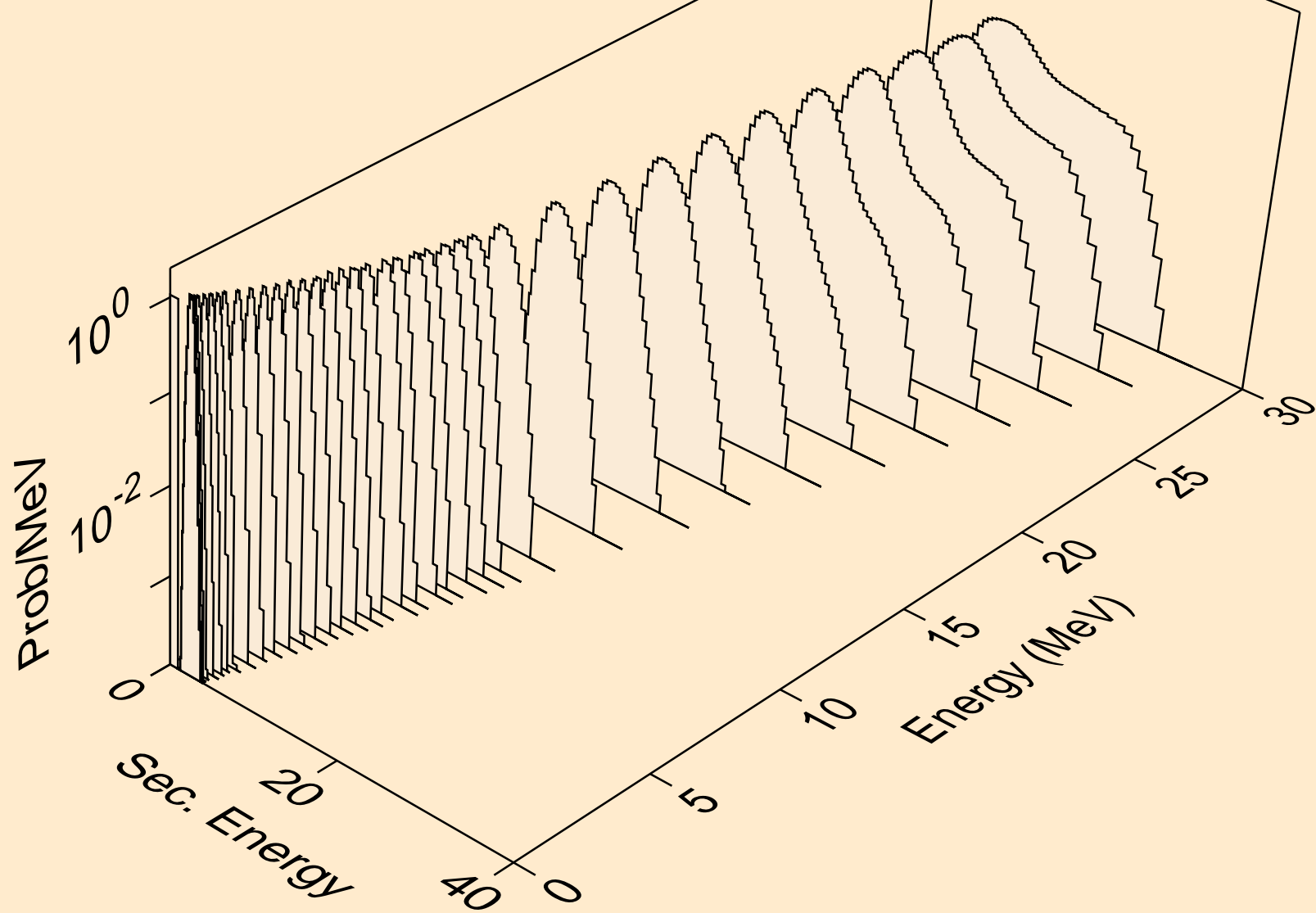
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,npa)



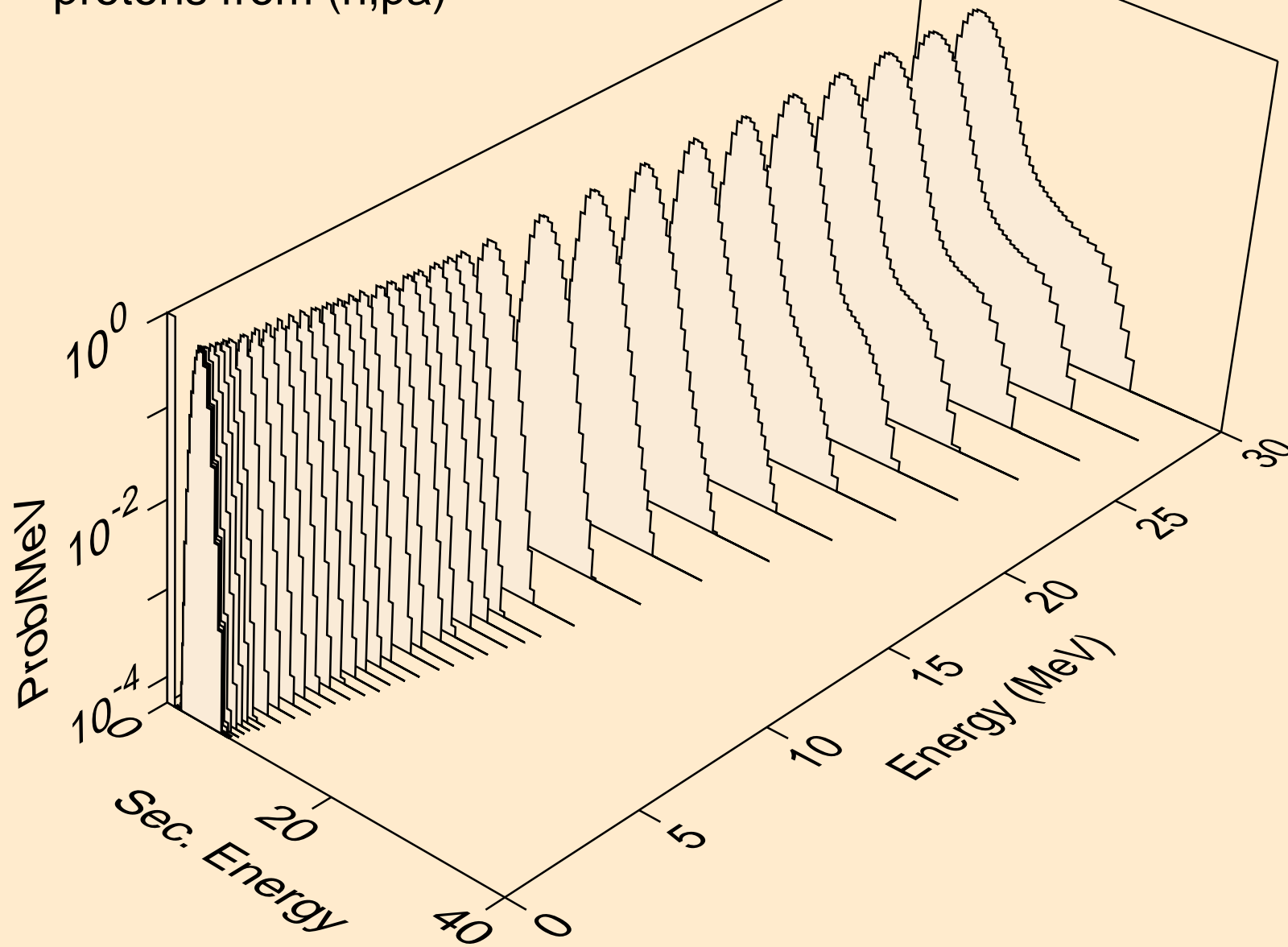
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,p)



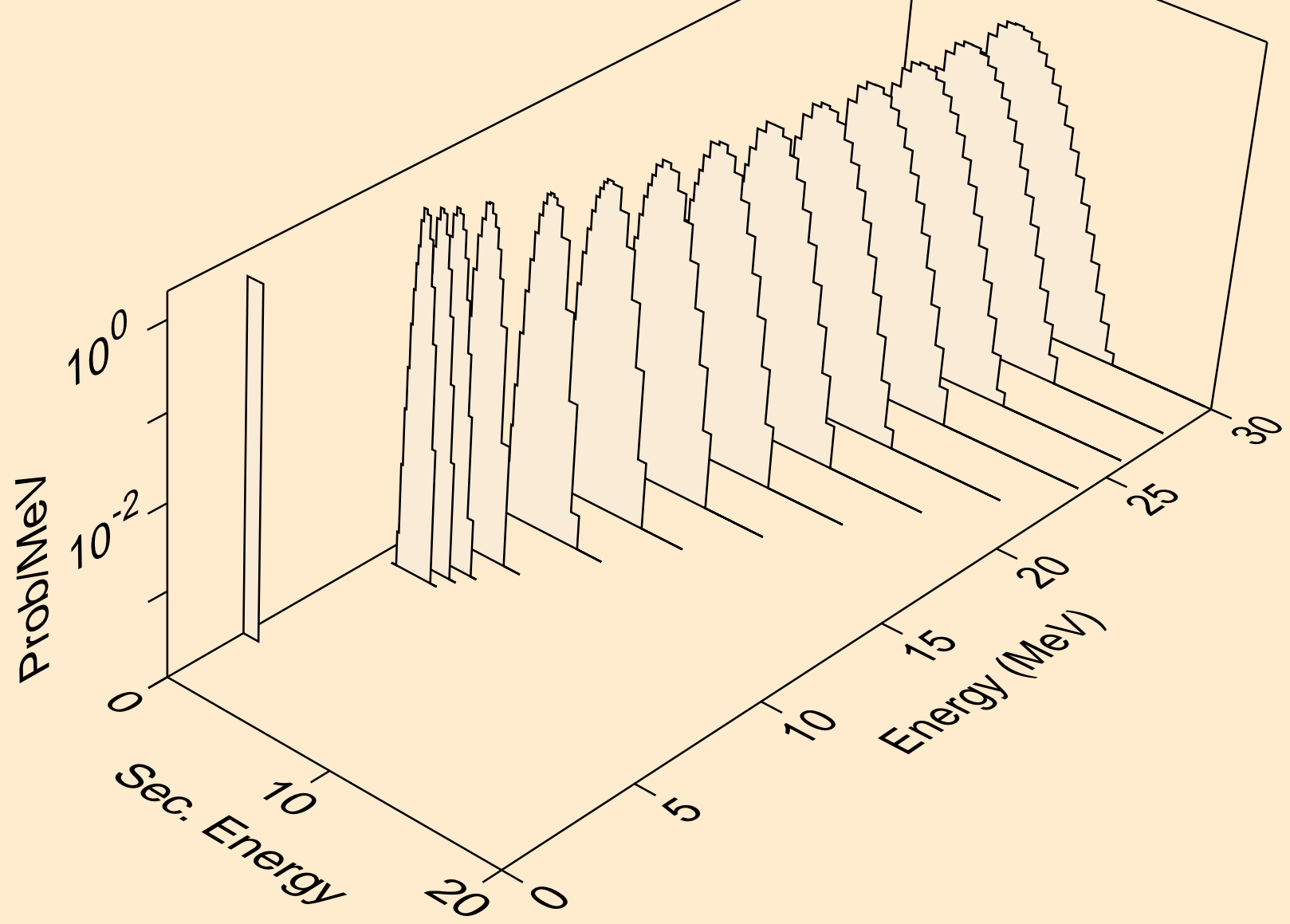
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,2p)



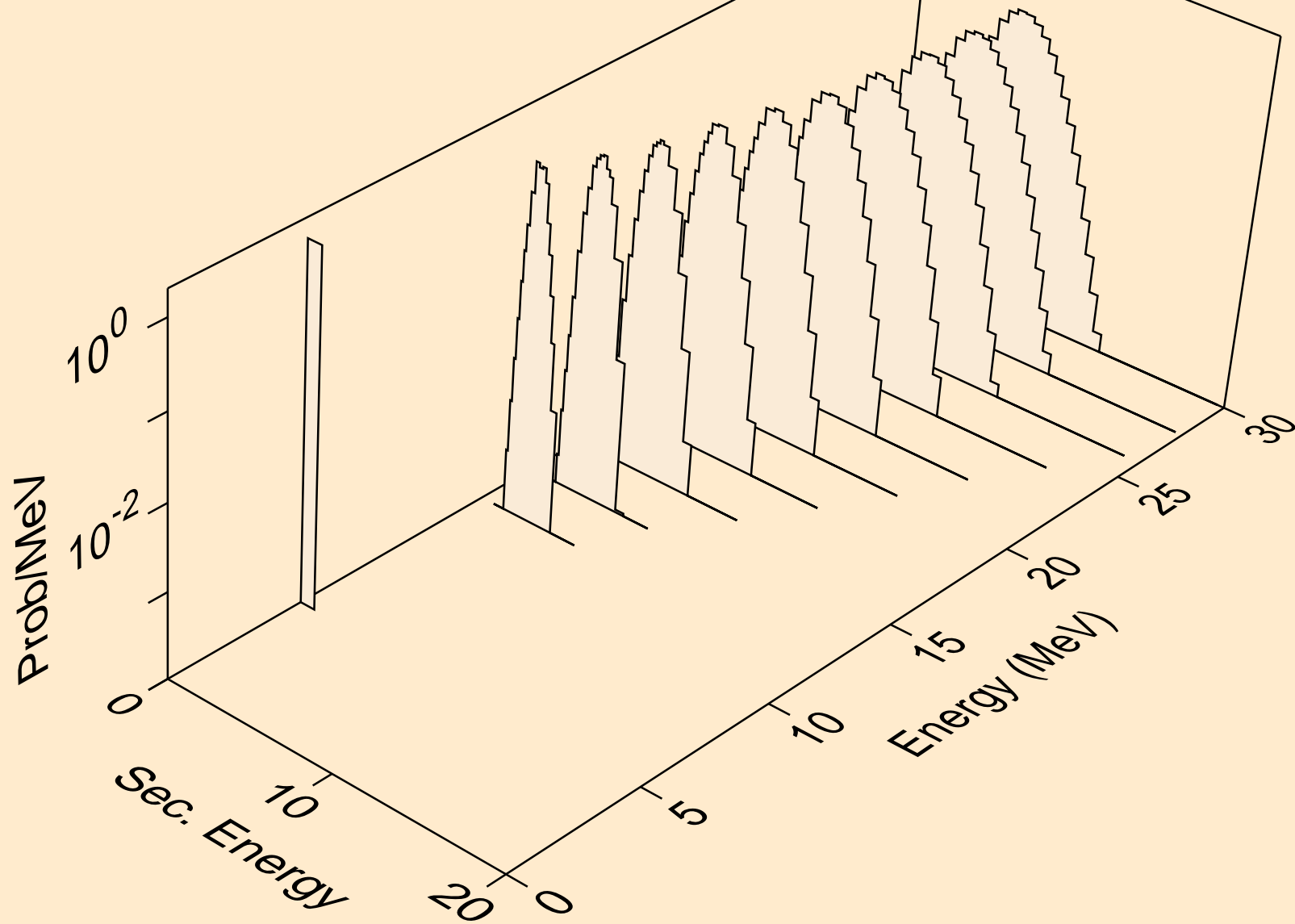
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,p)



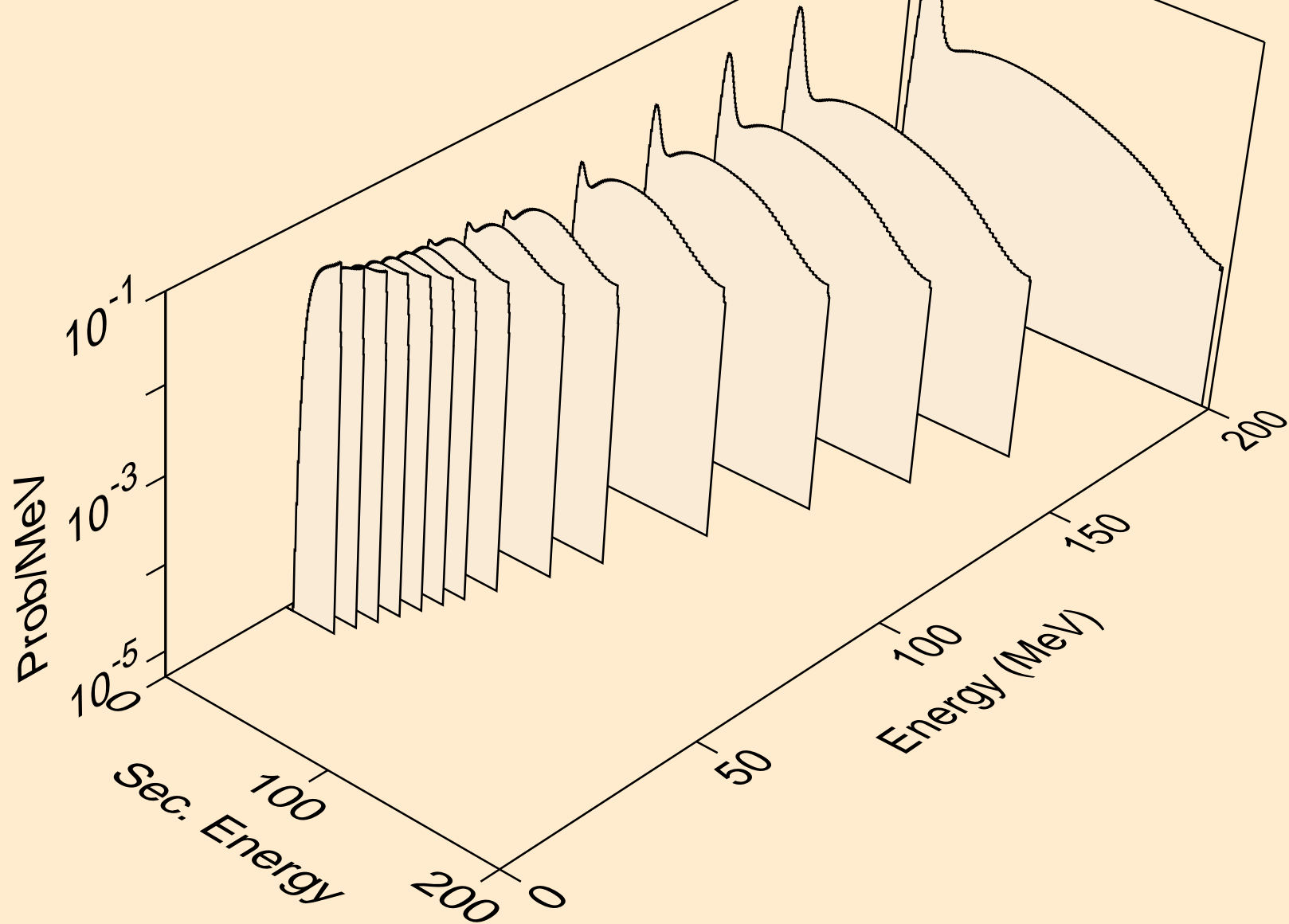
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,pd)



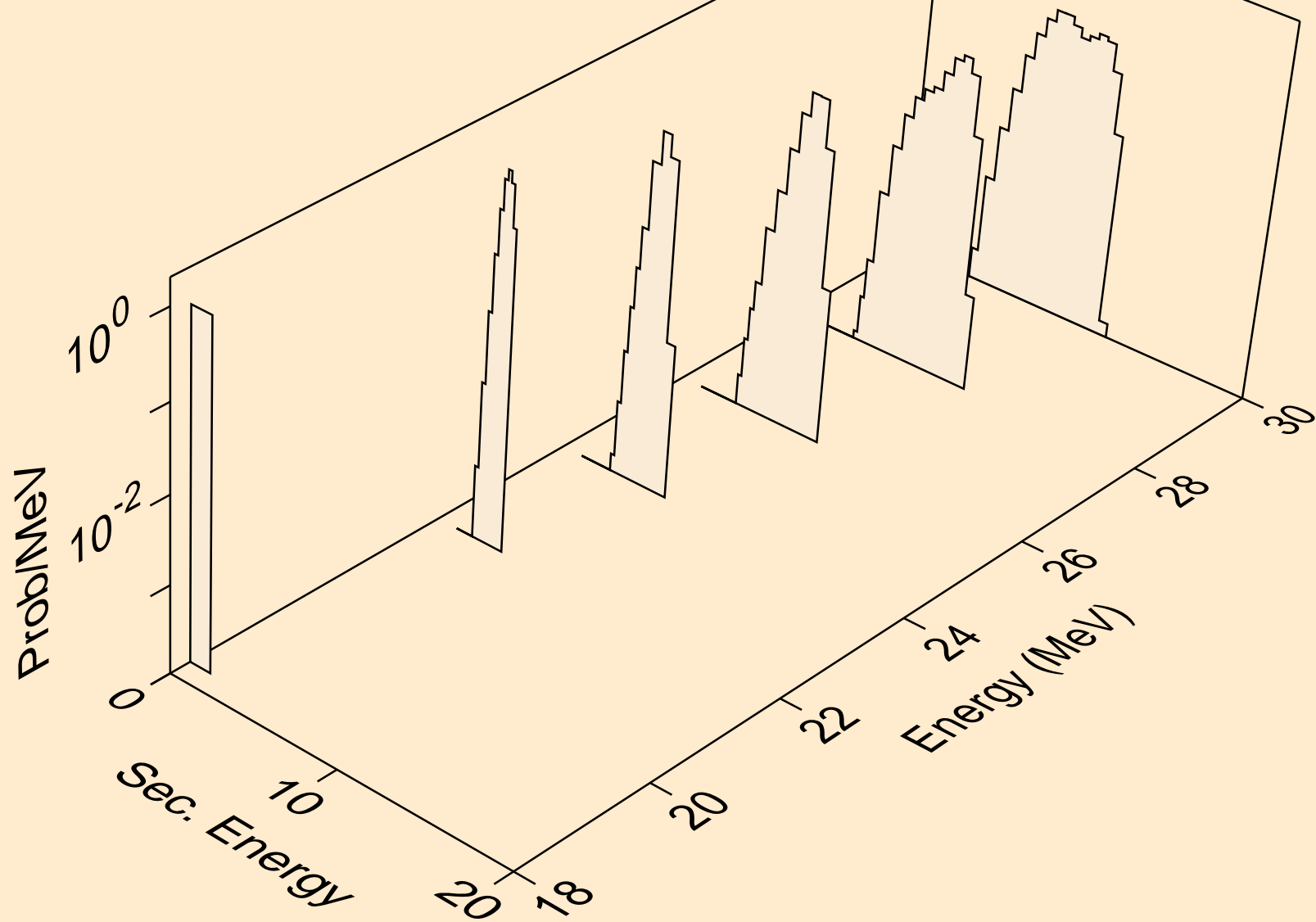
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,pt)



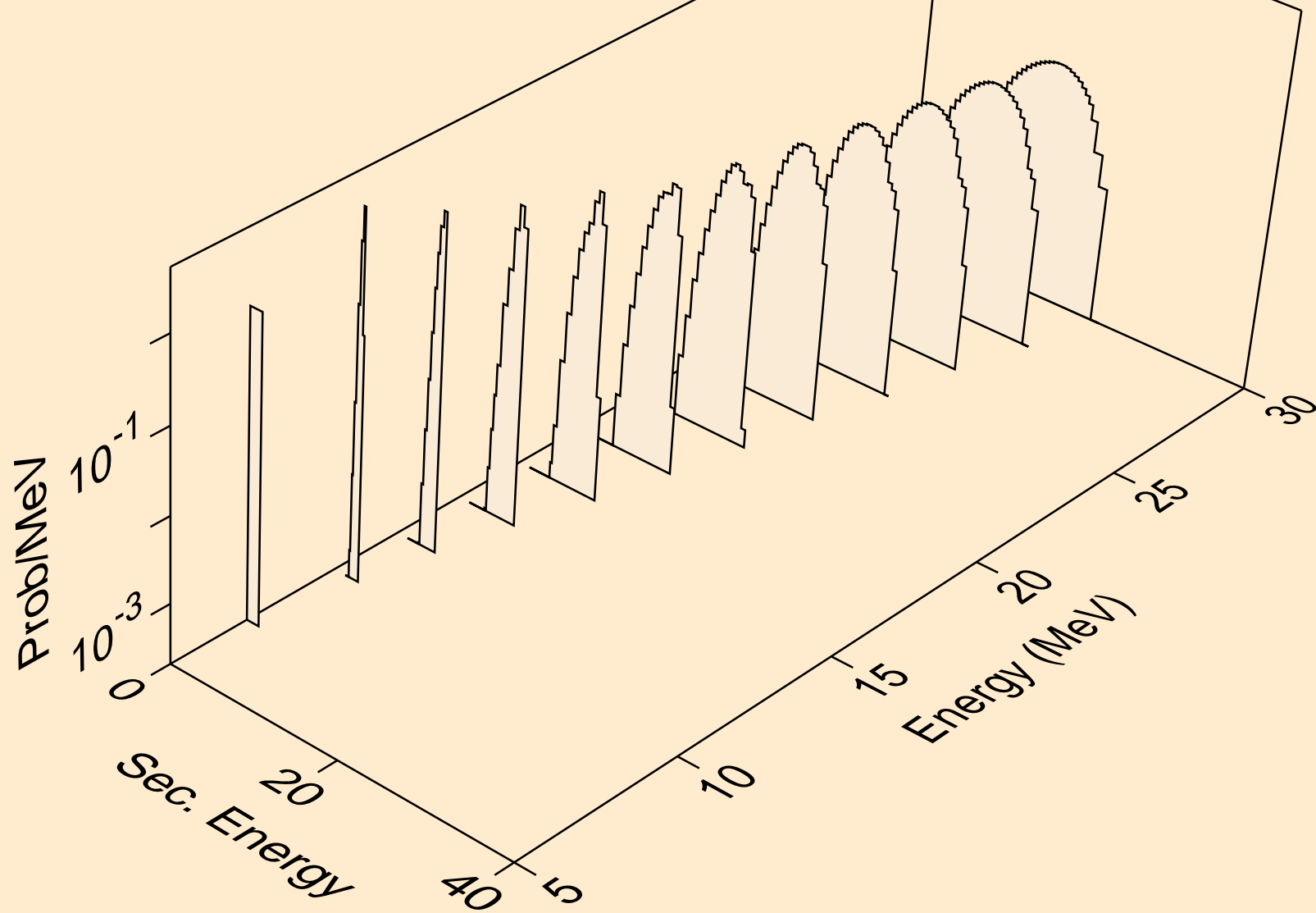
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,x)



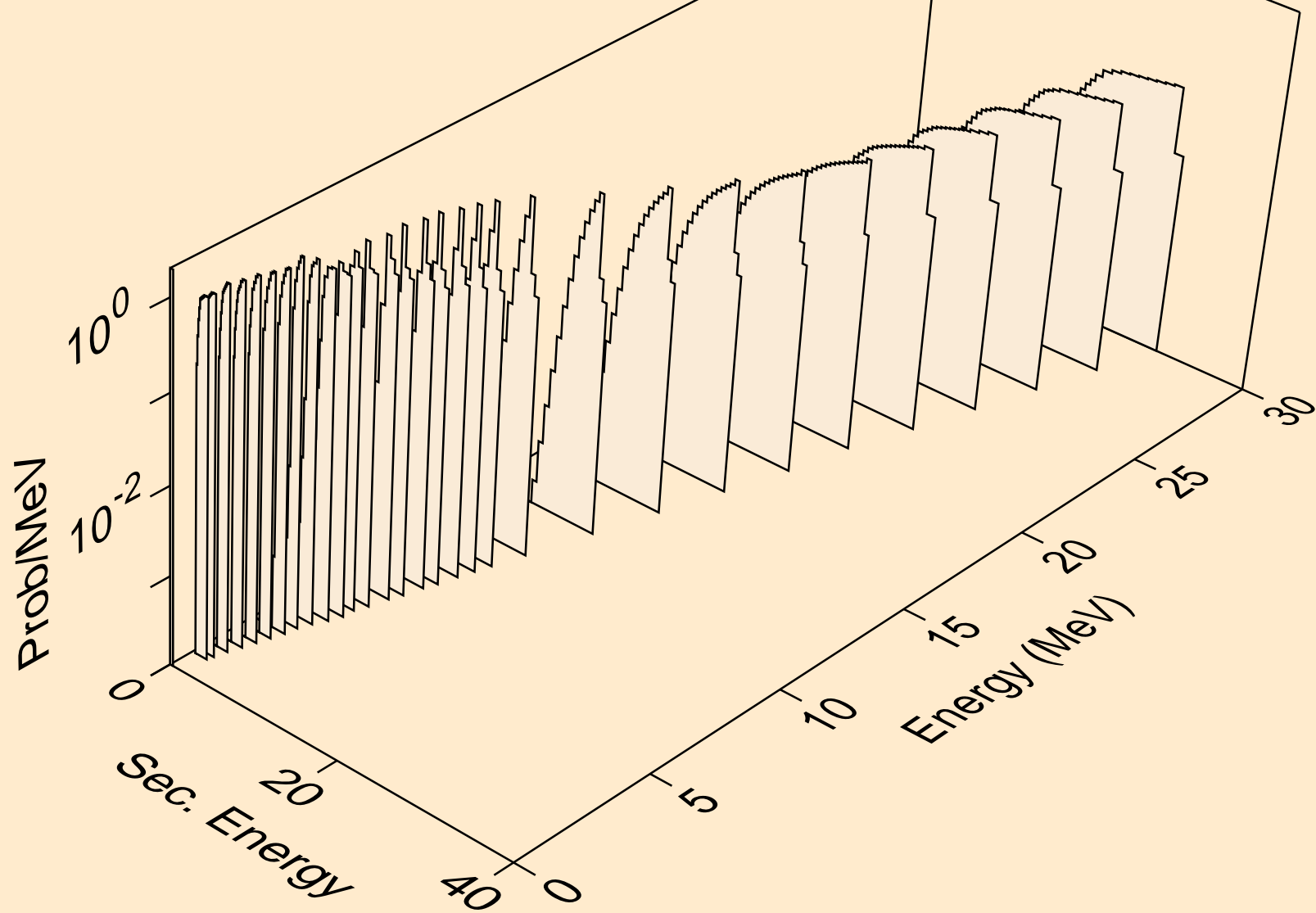
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,2nd)



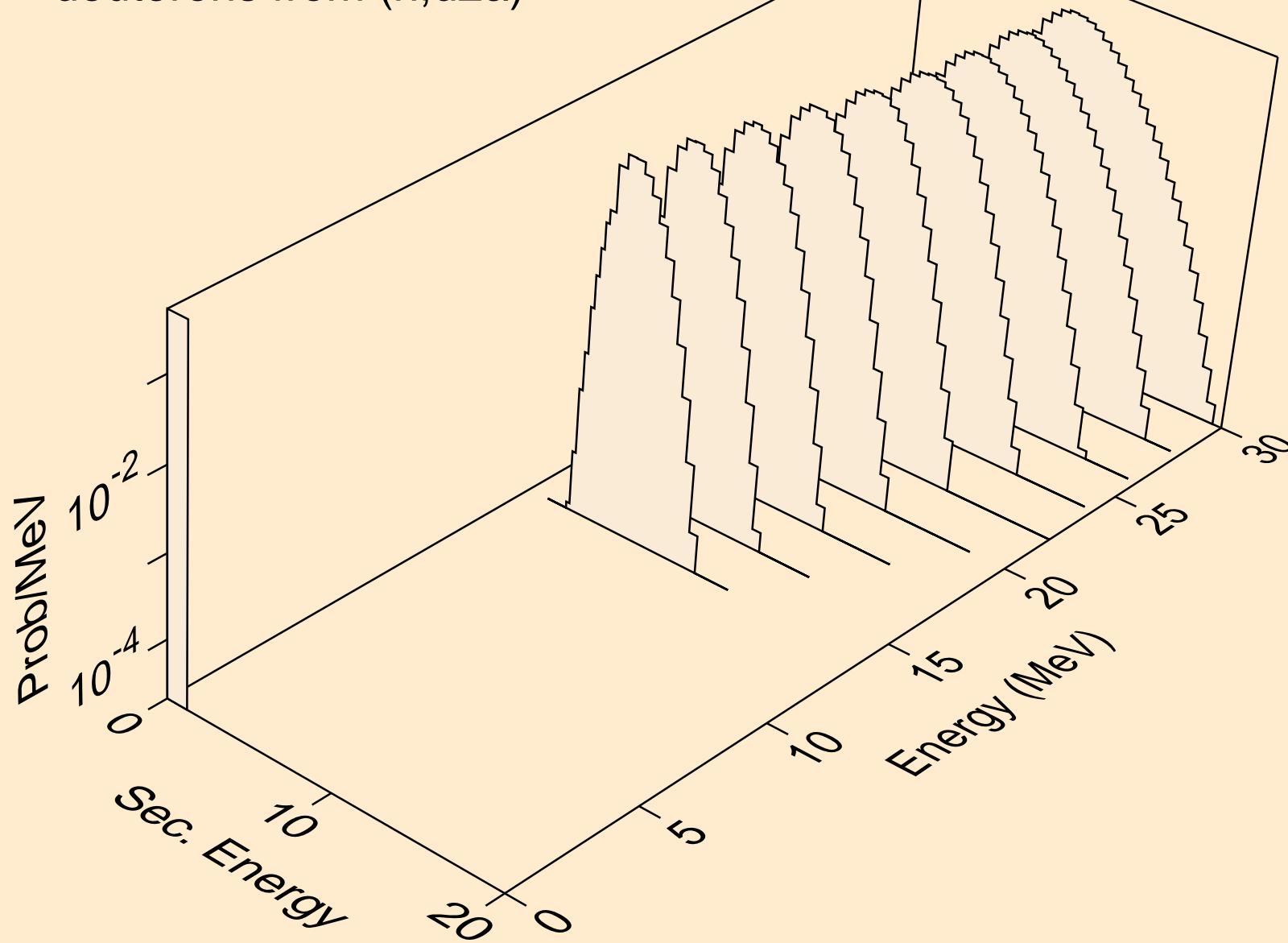
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,n\*)d



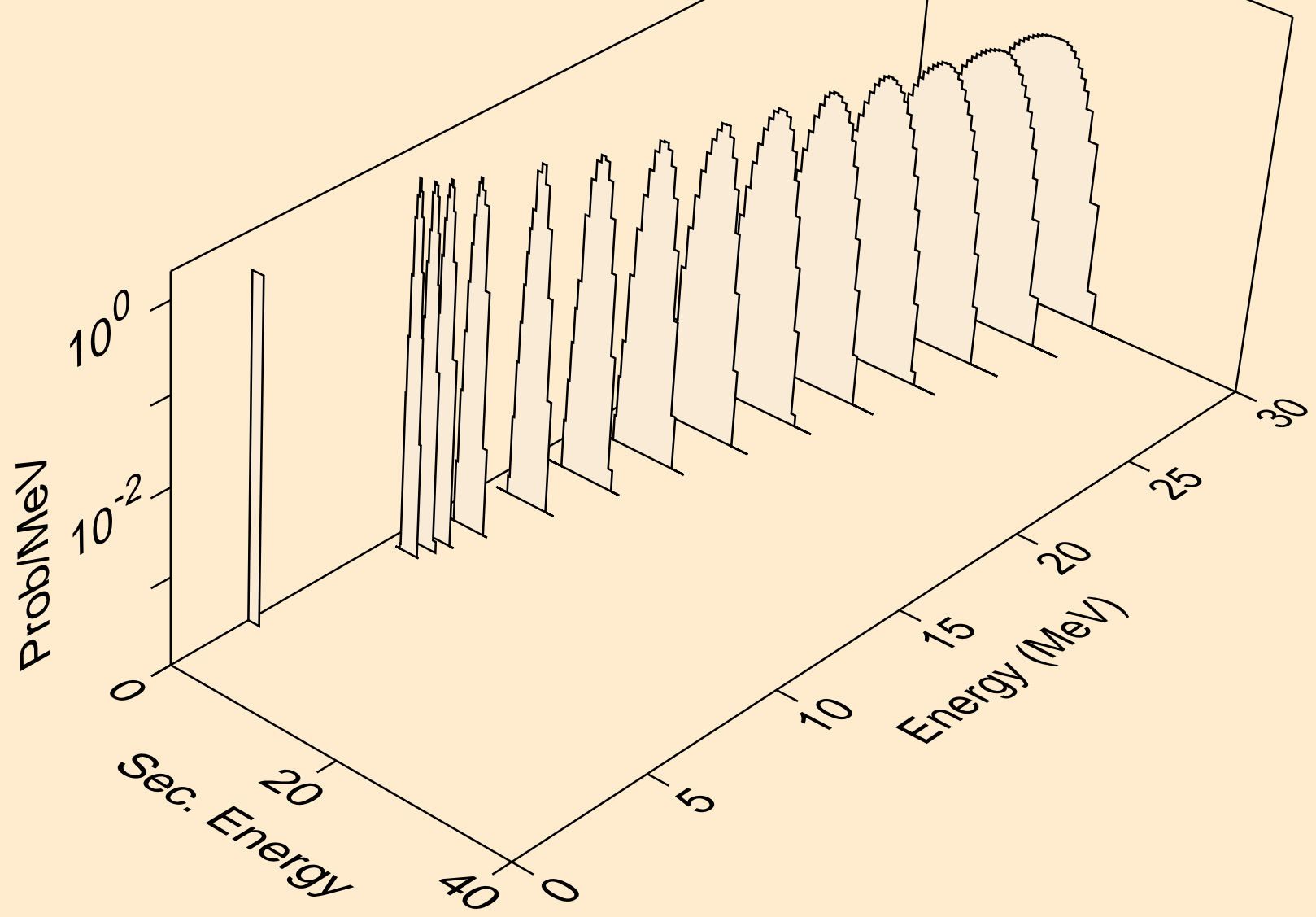
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,d)



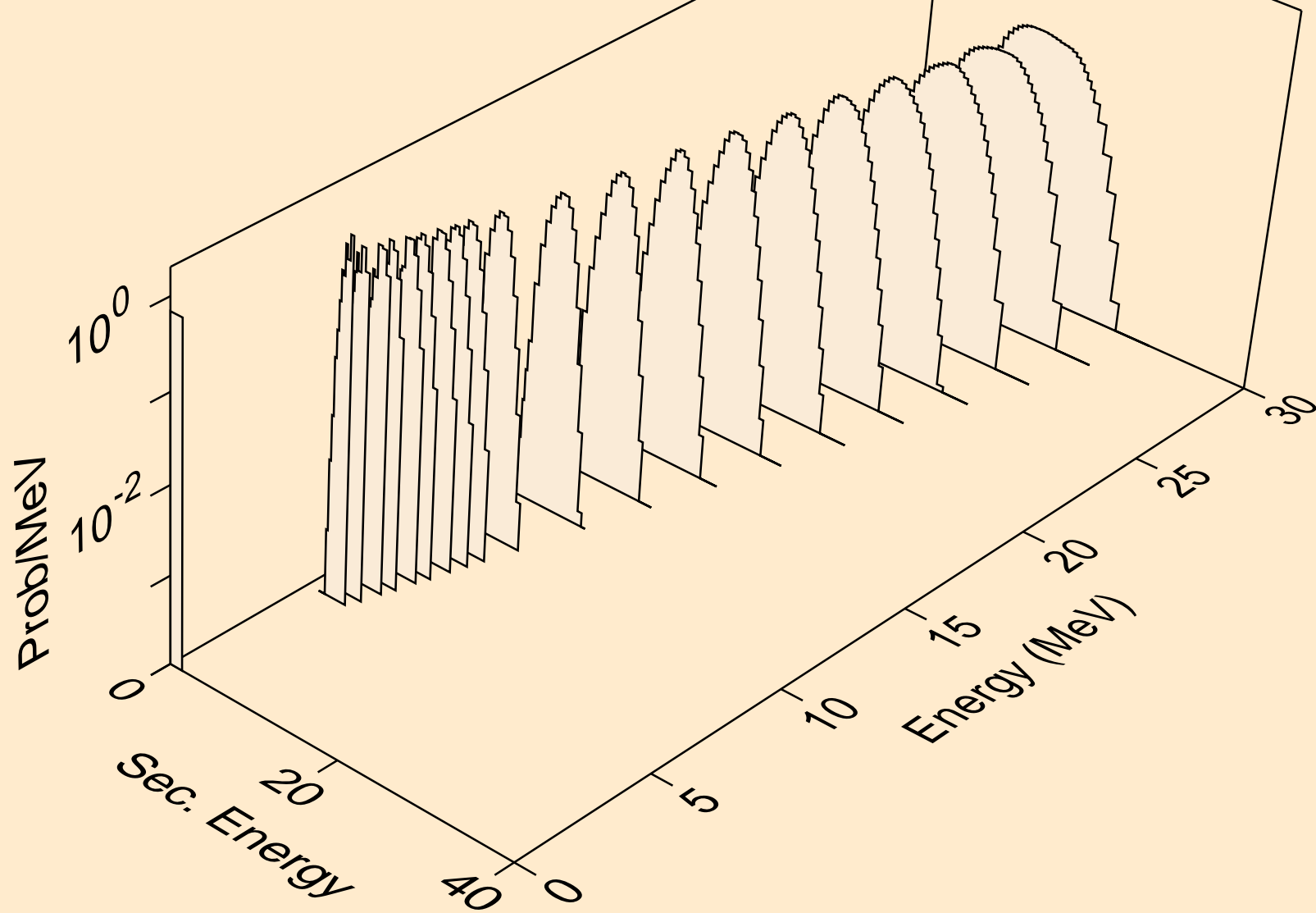
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,d2a)



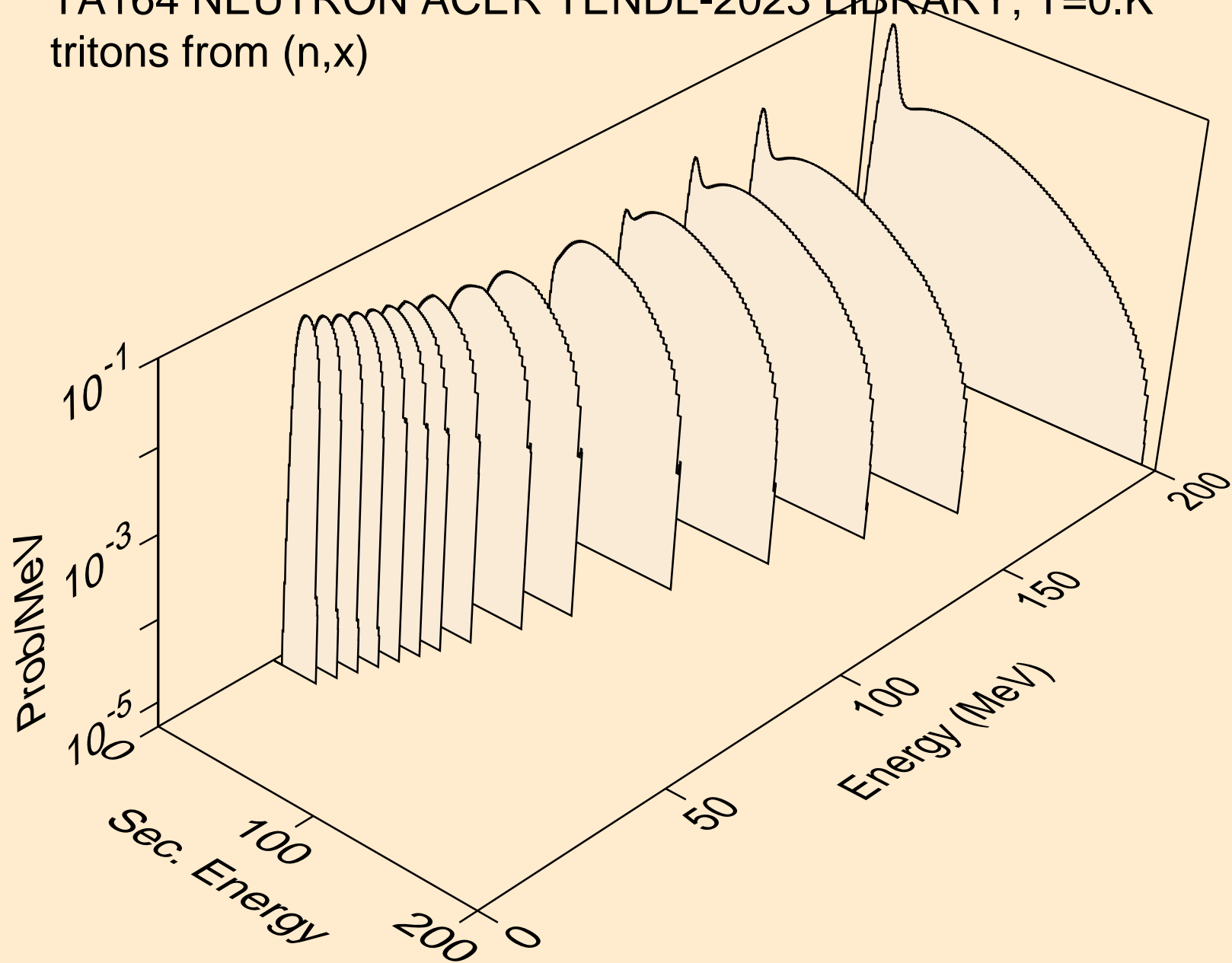
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,pd)



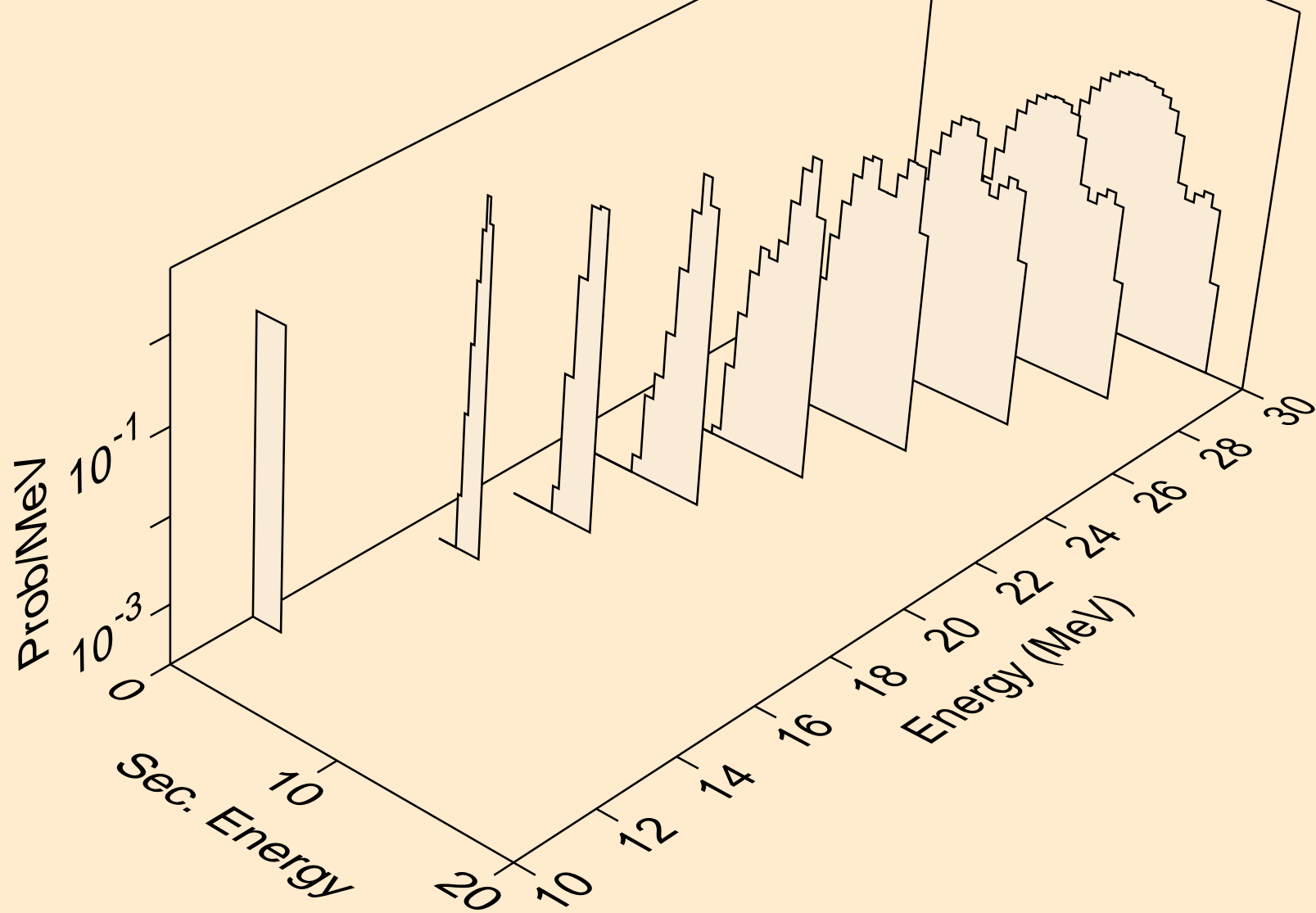
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,da)



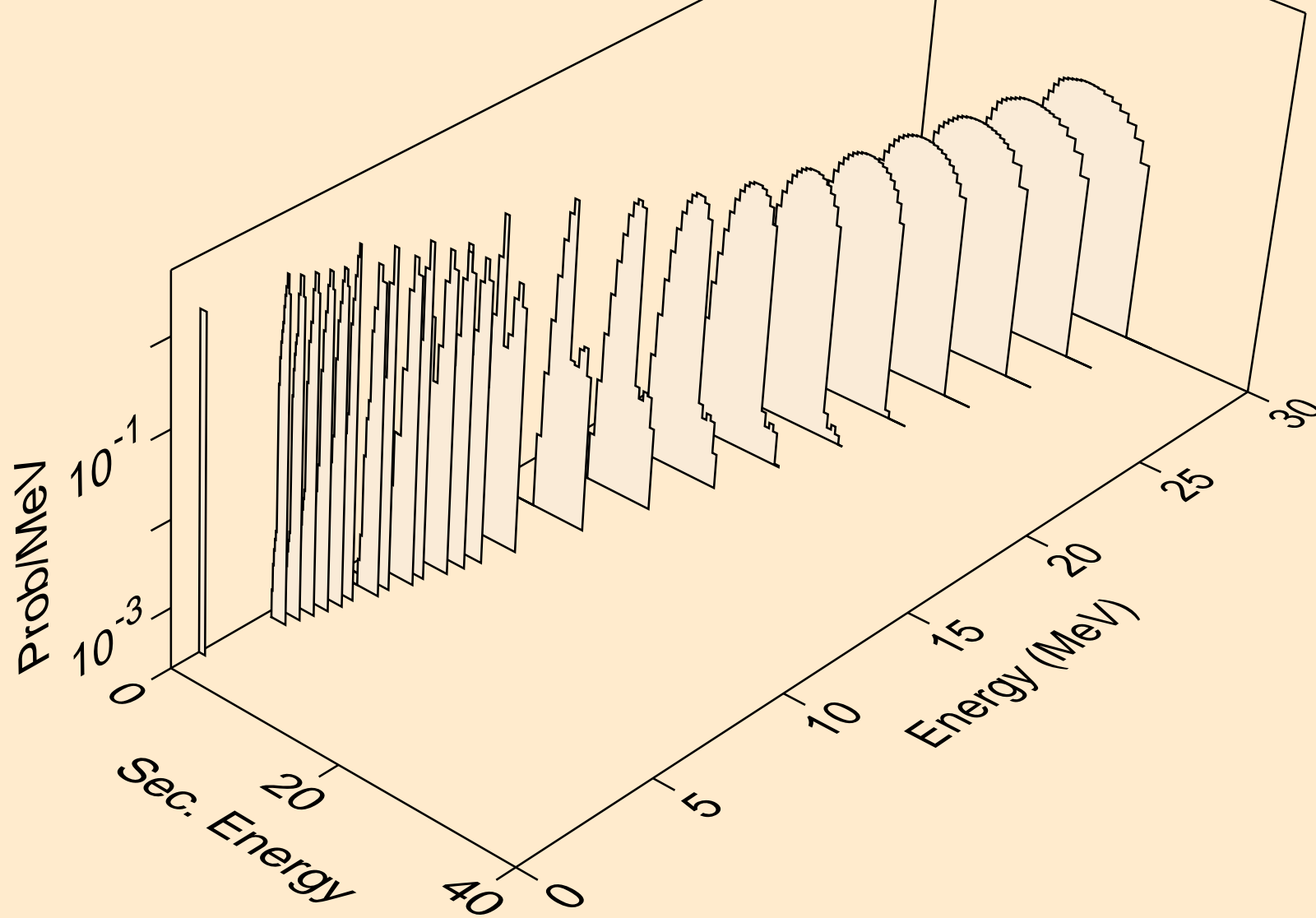
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,x)



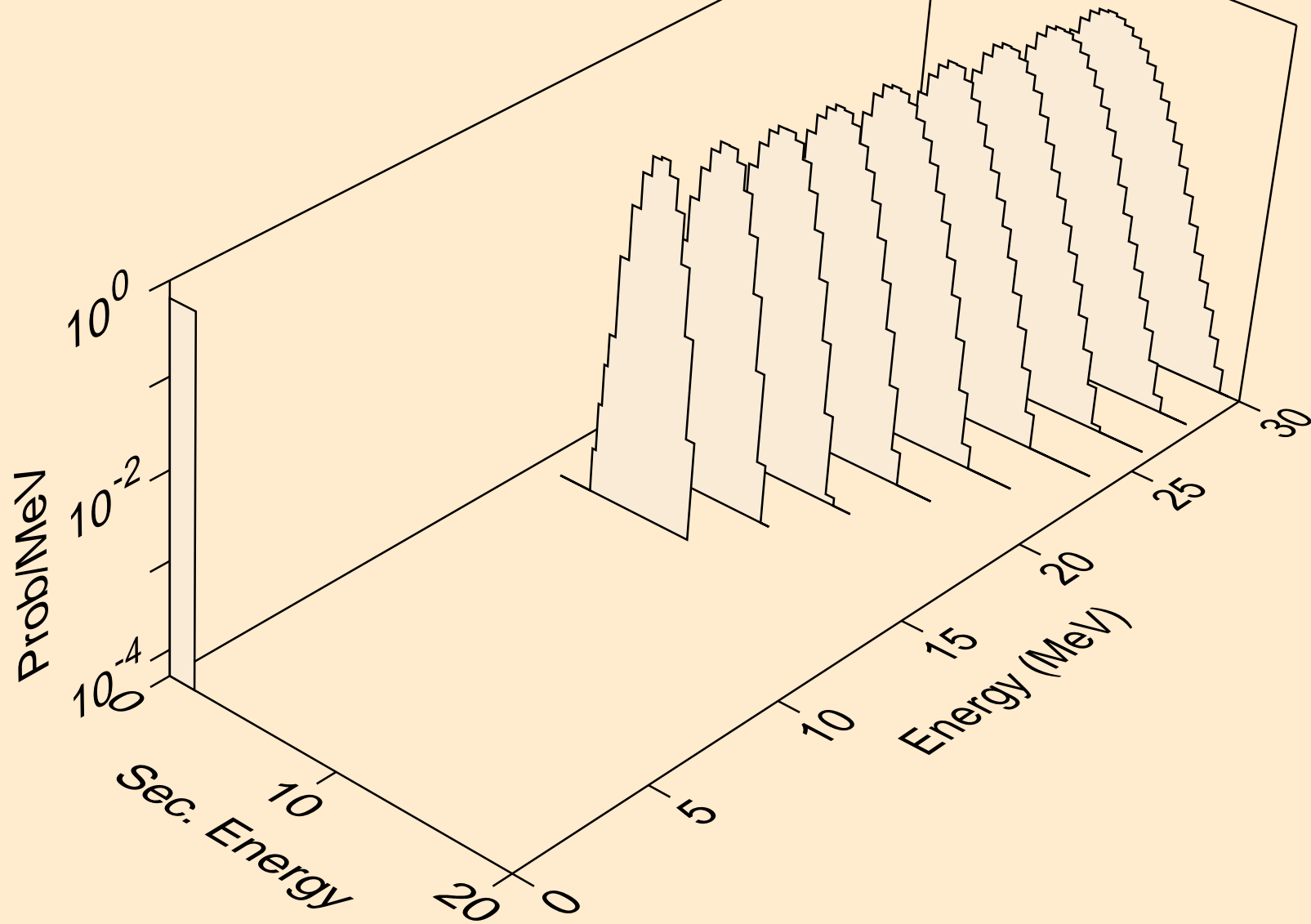
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,n\*)t



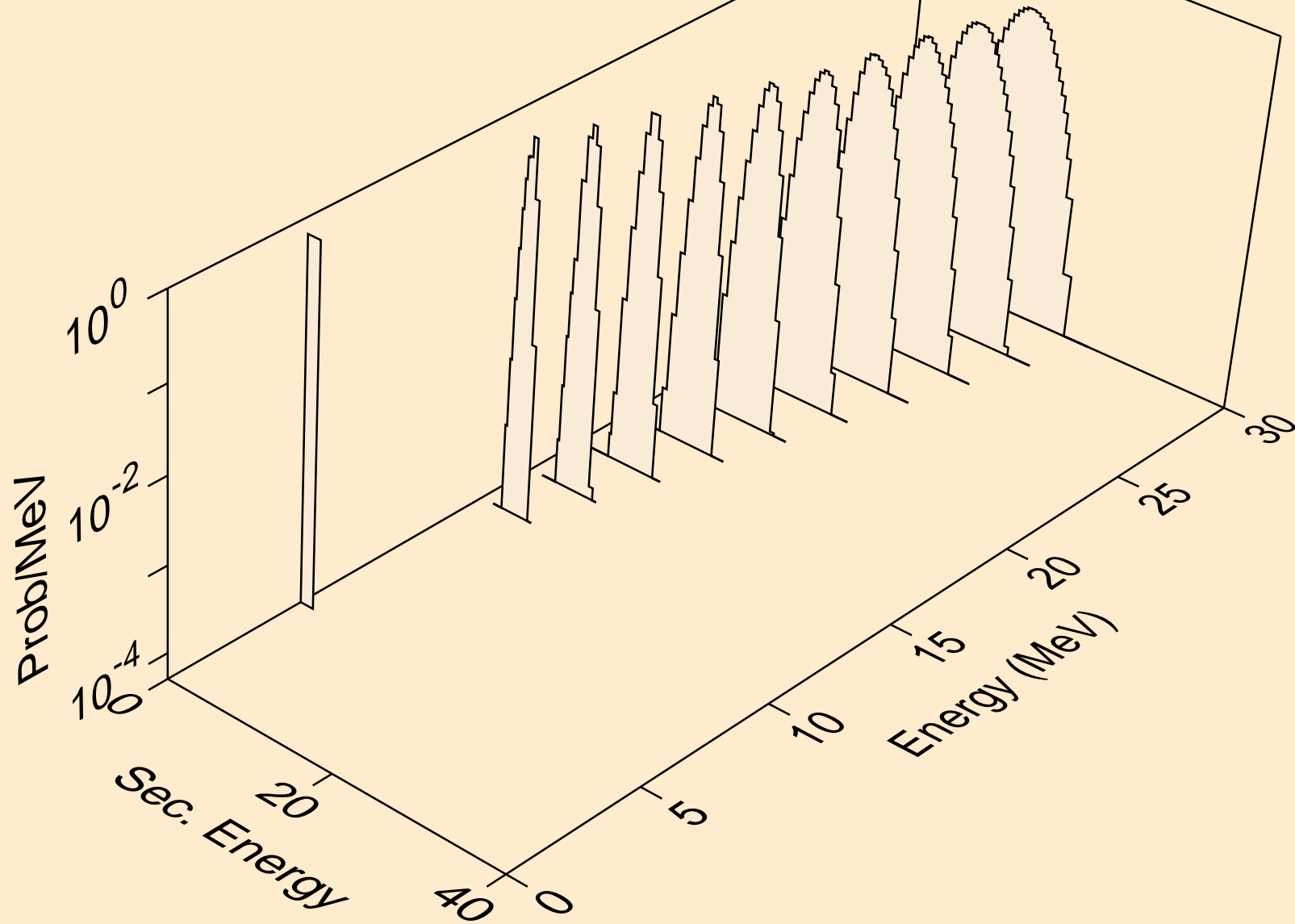
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,t)



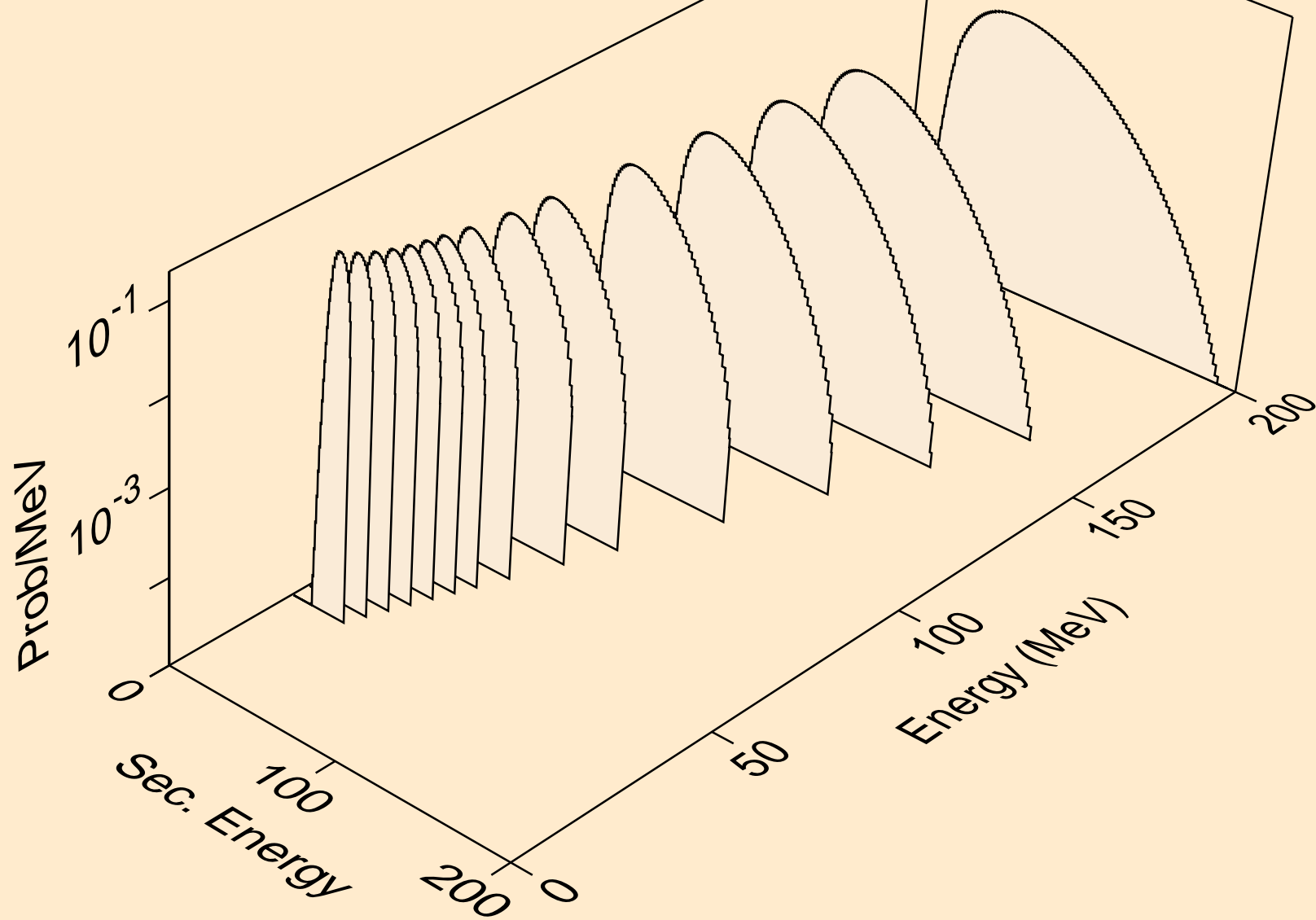
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,t2a)



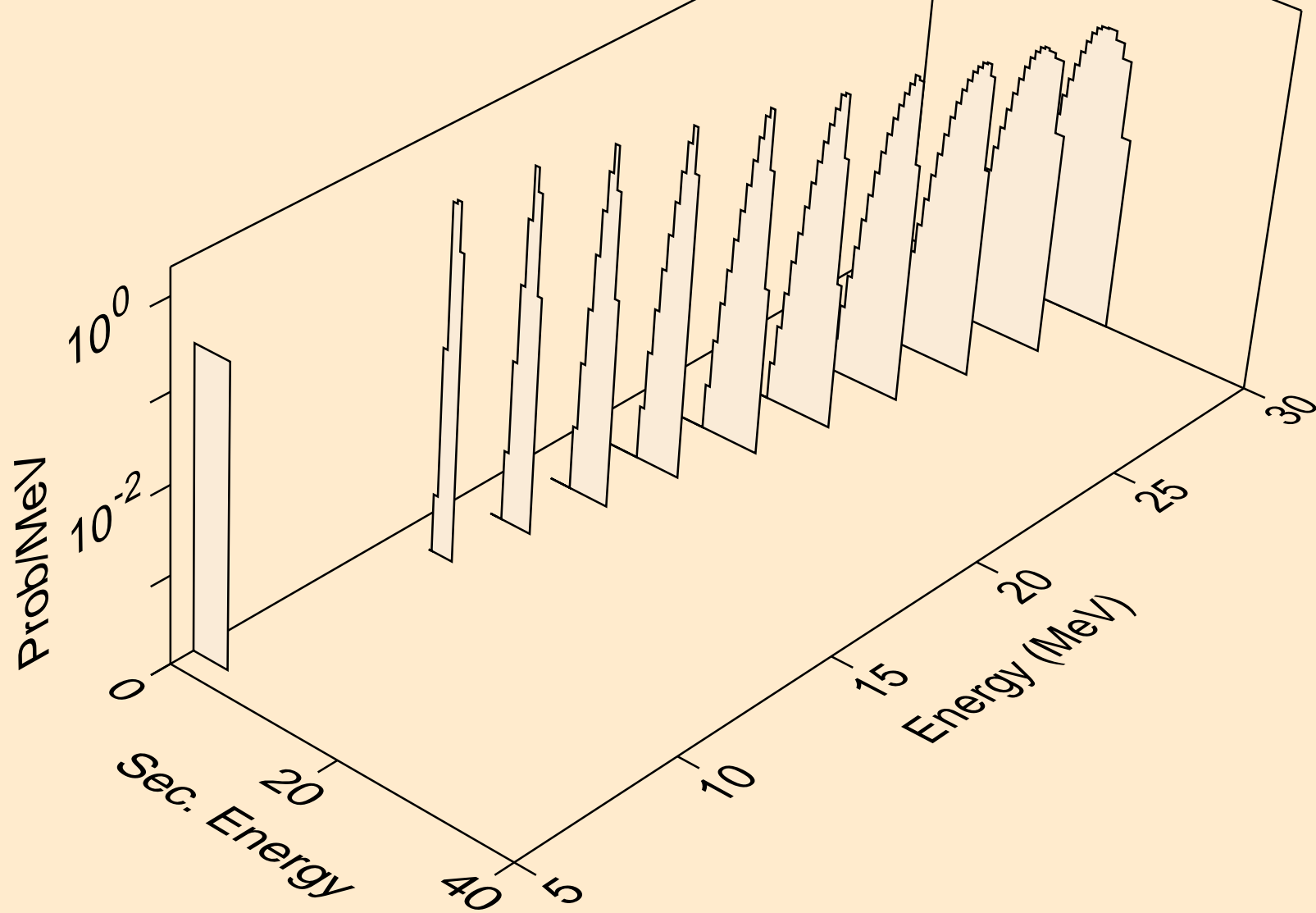
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,pt)



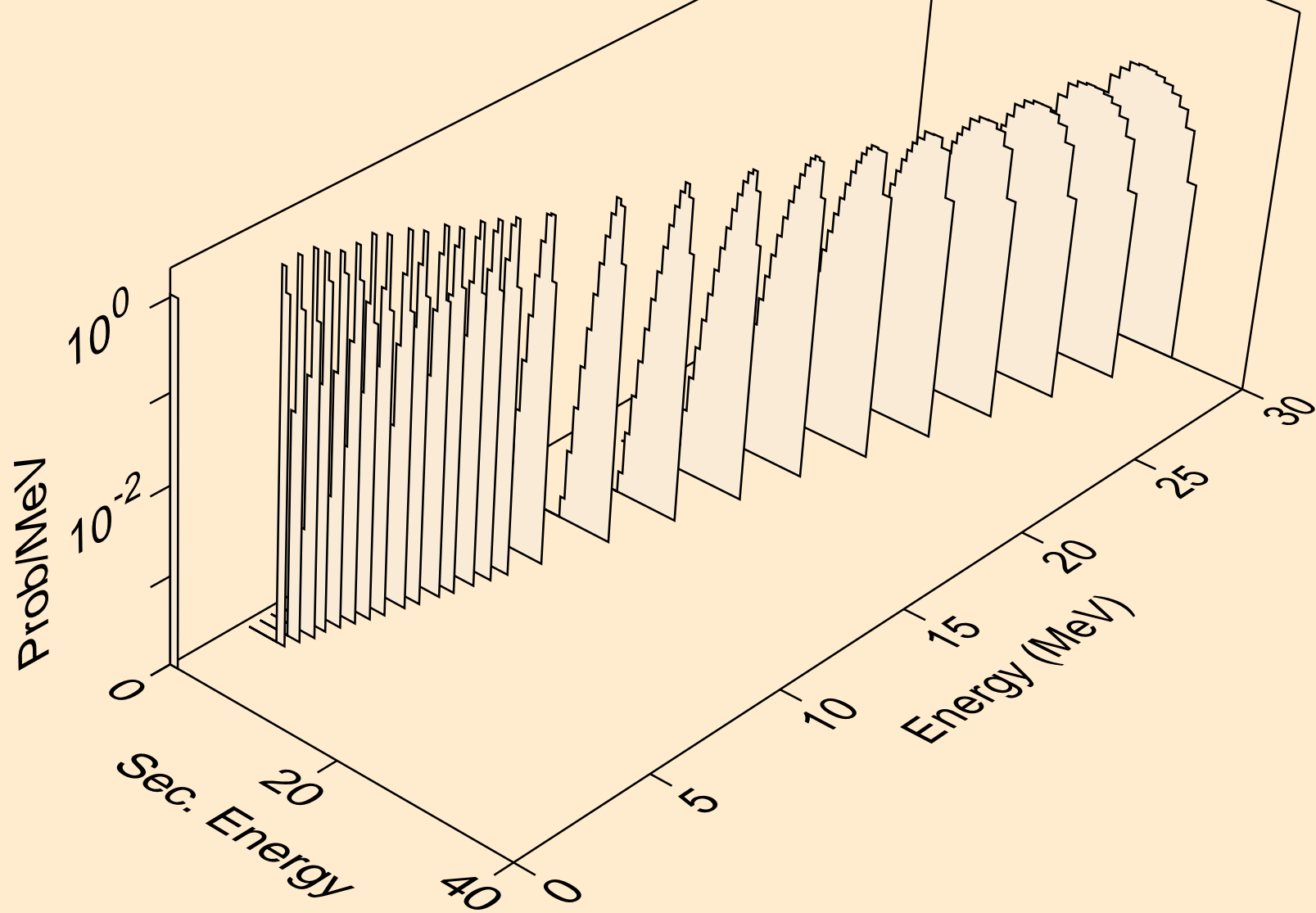
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,x)



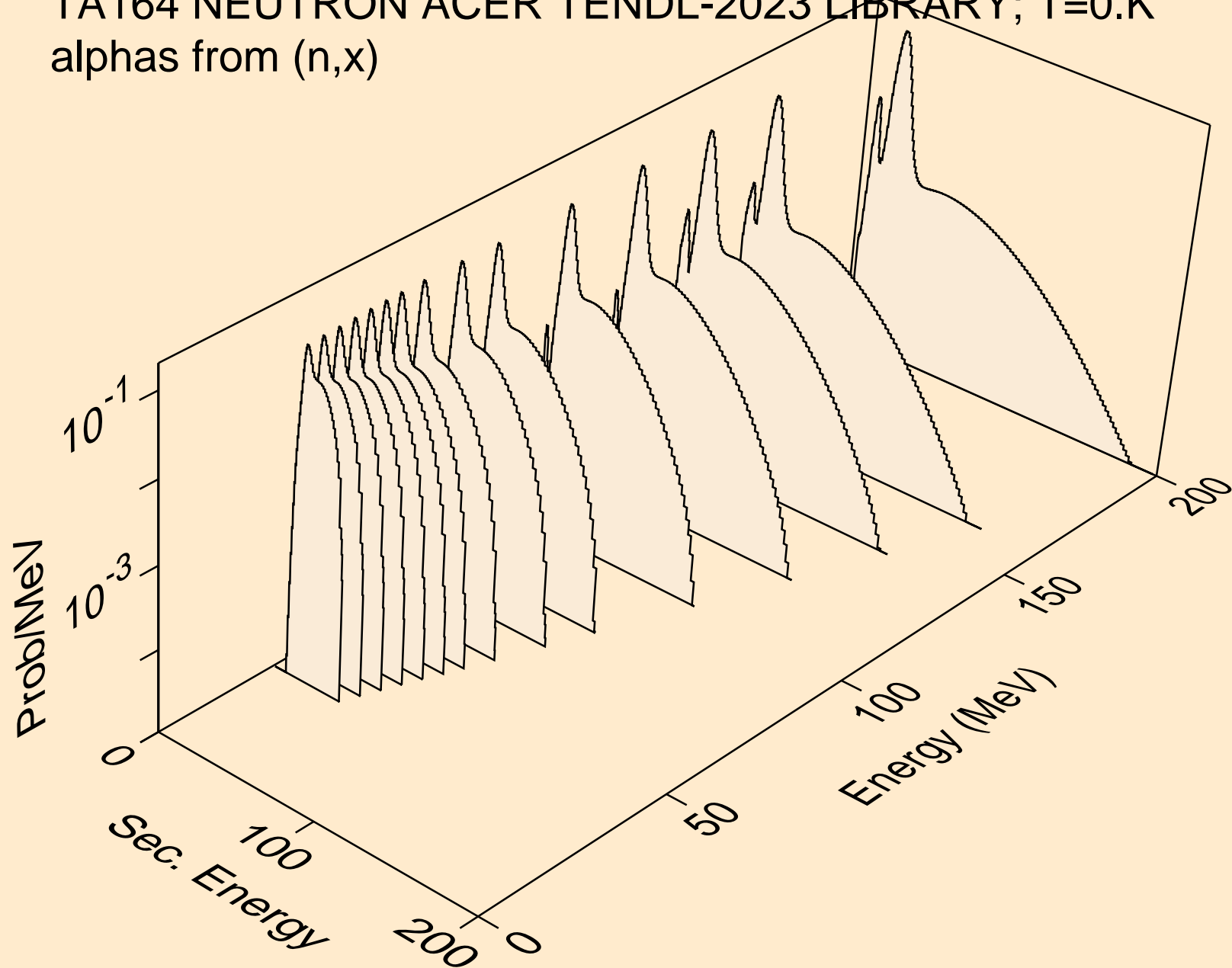
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,n\*)he3



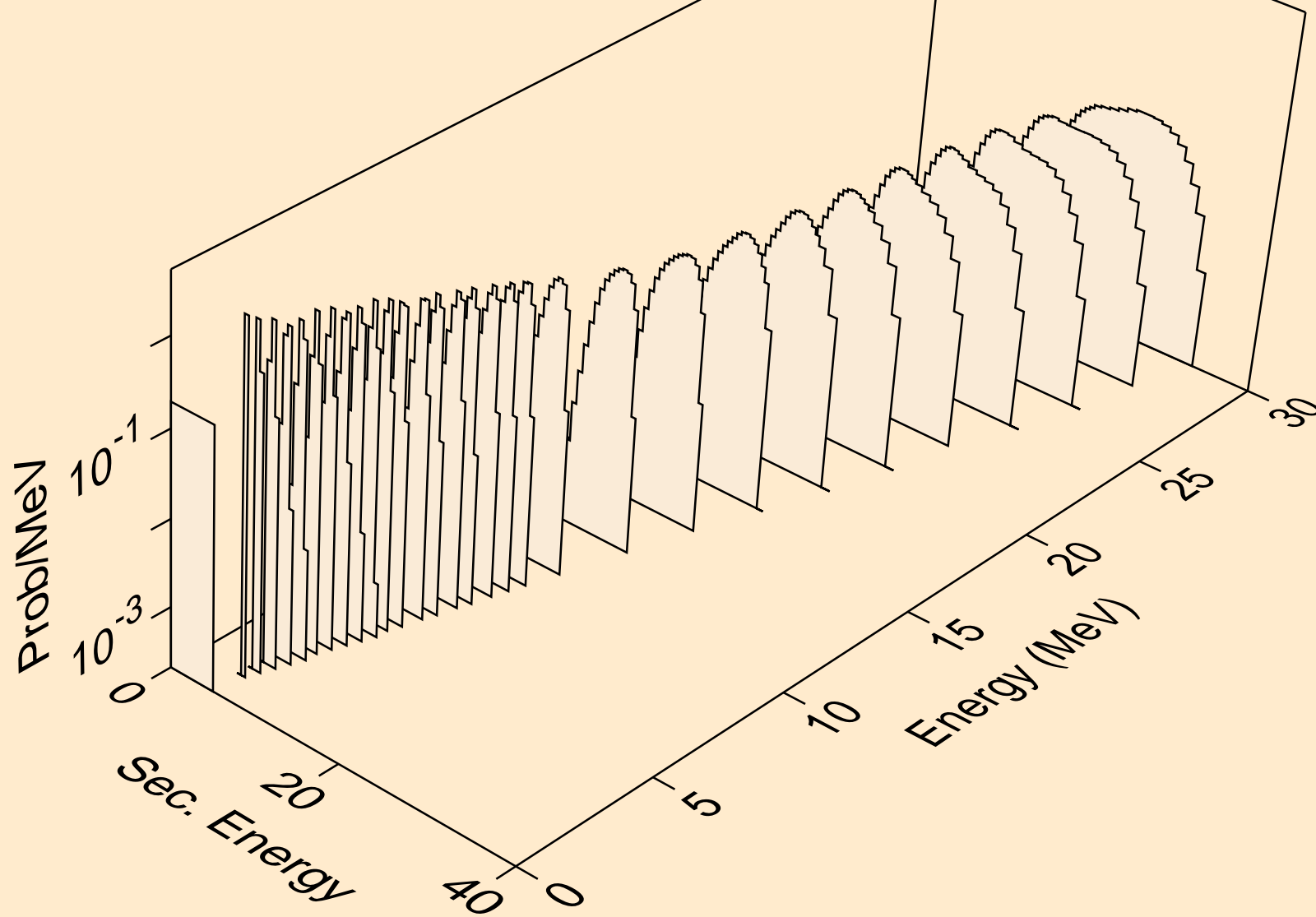
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,he3)



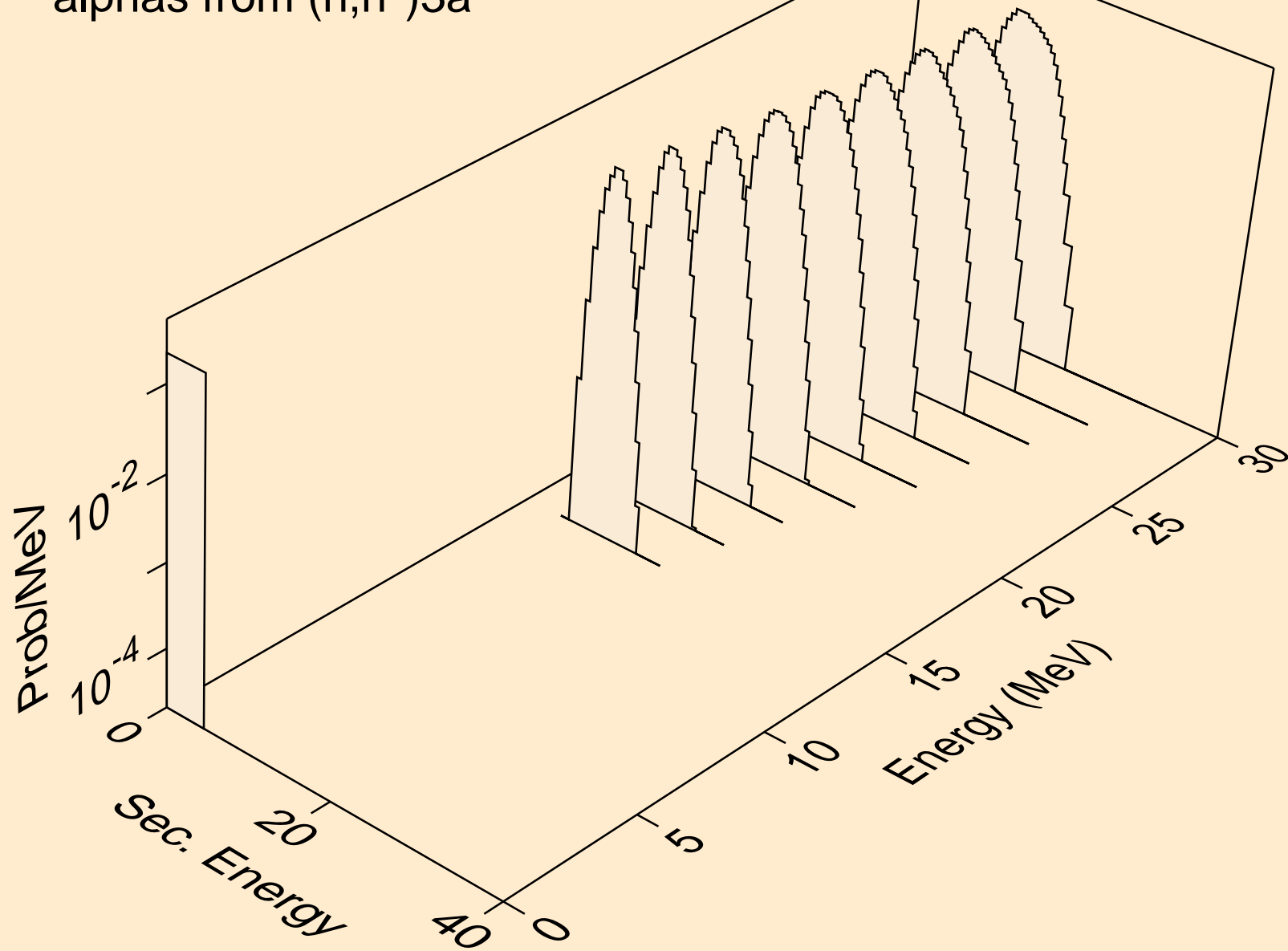
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,x)



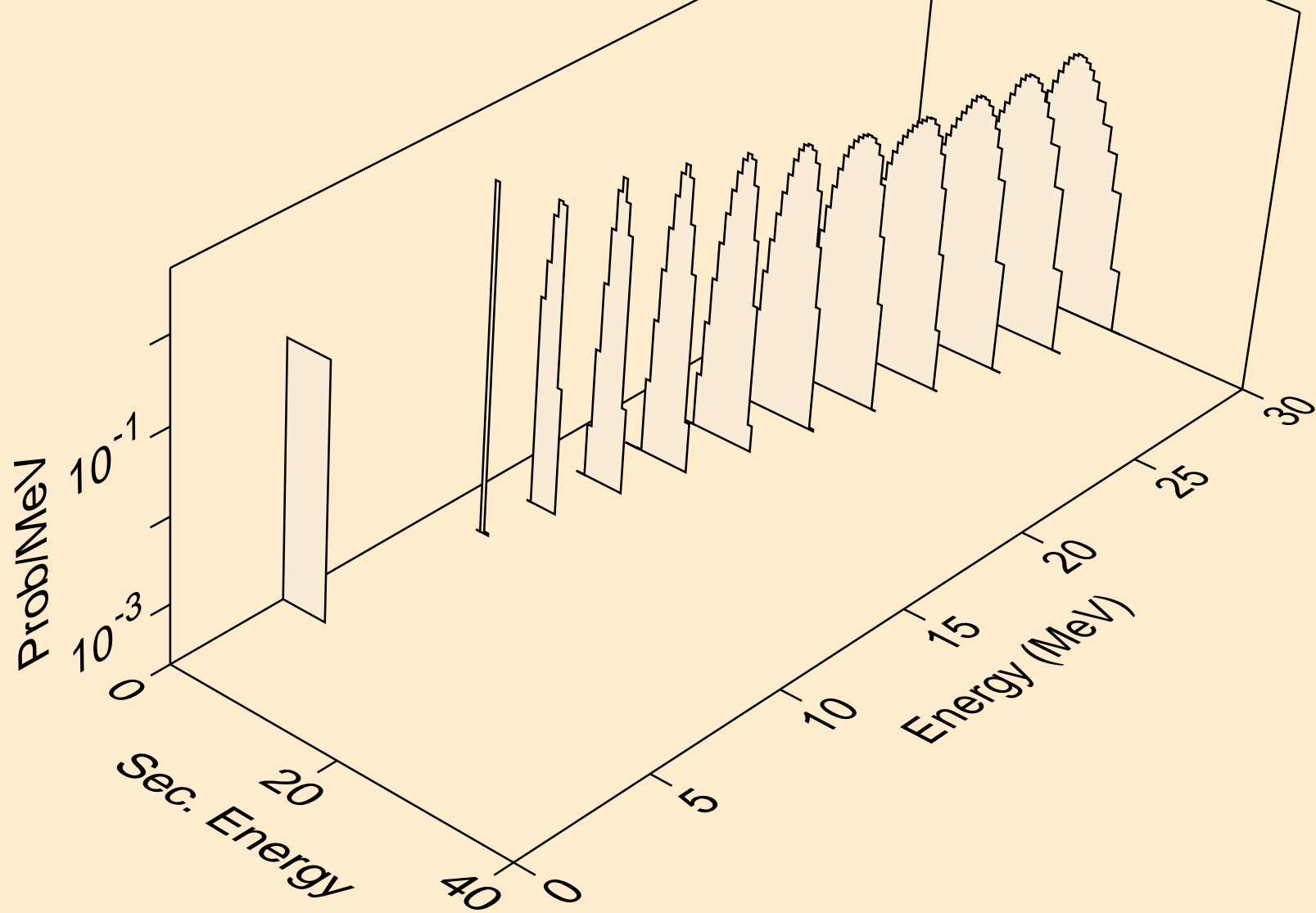
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)a



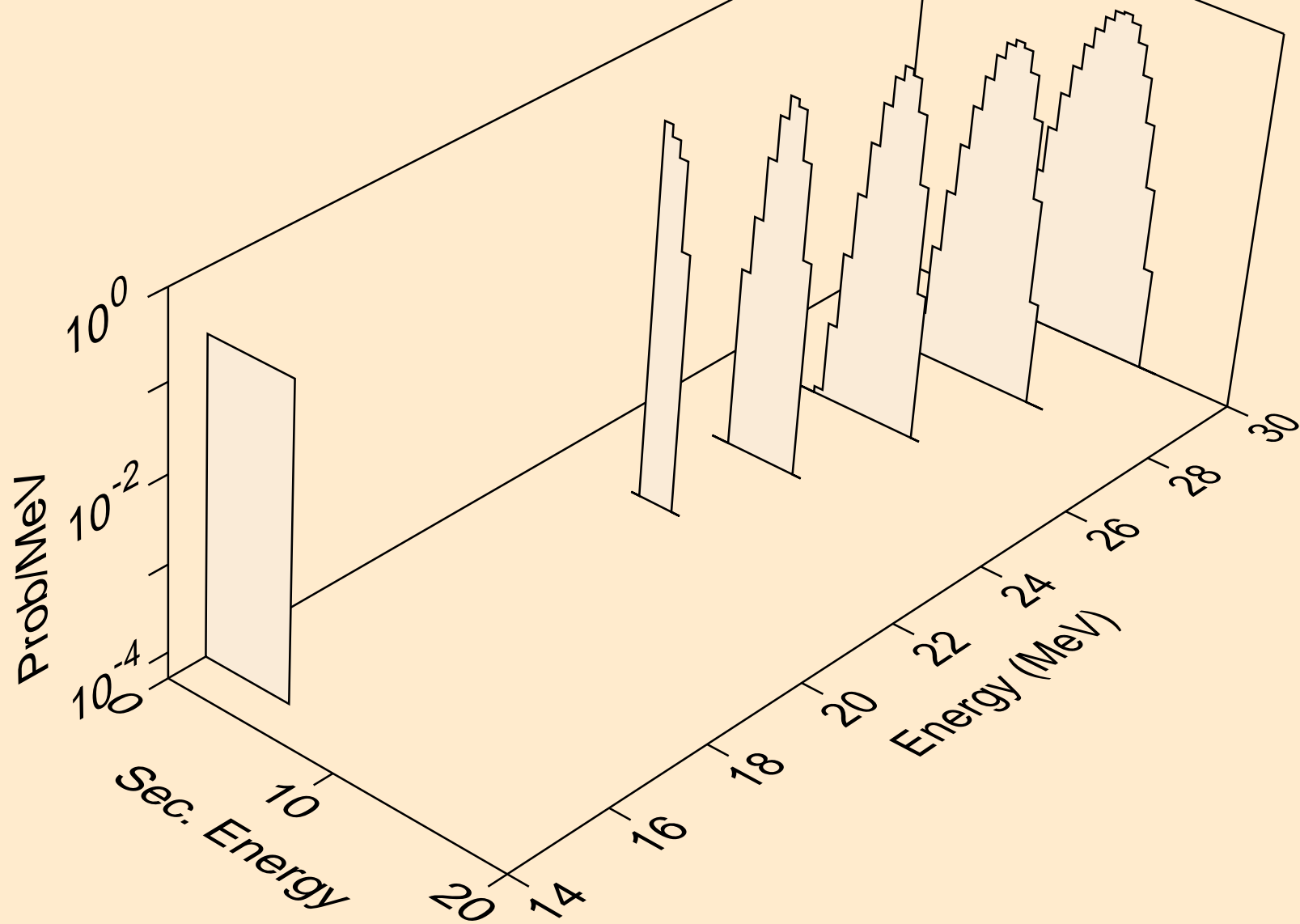
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)3a



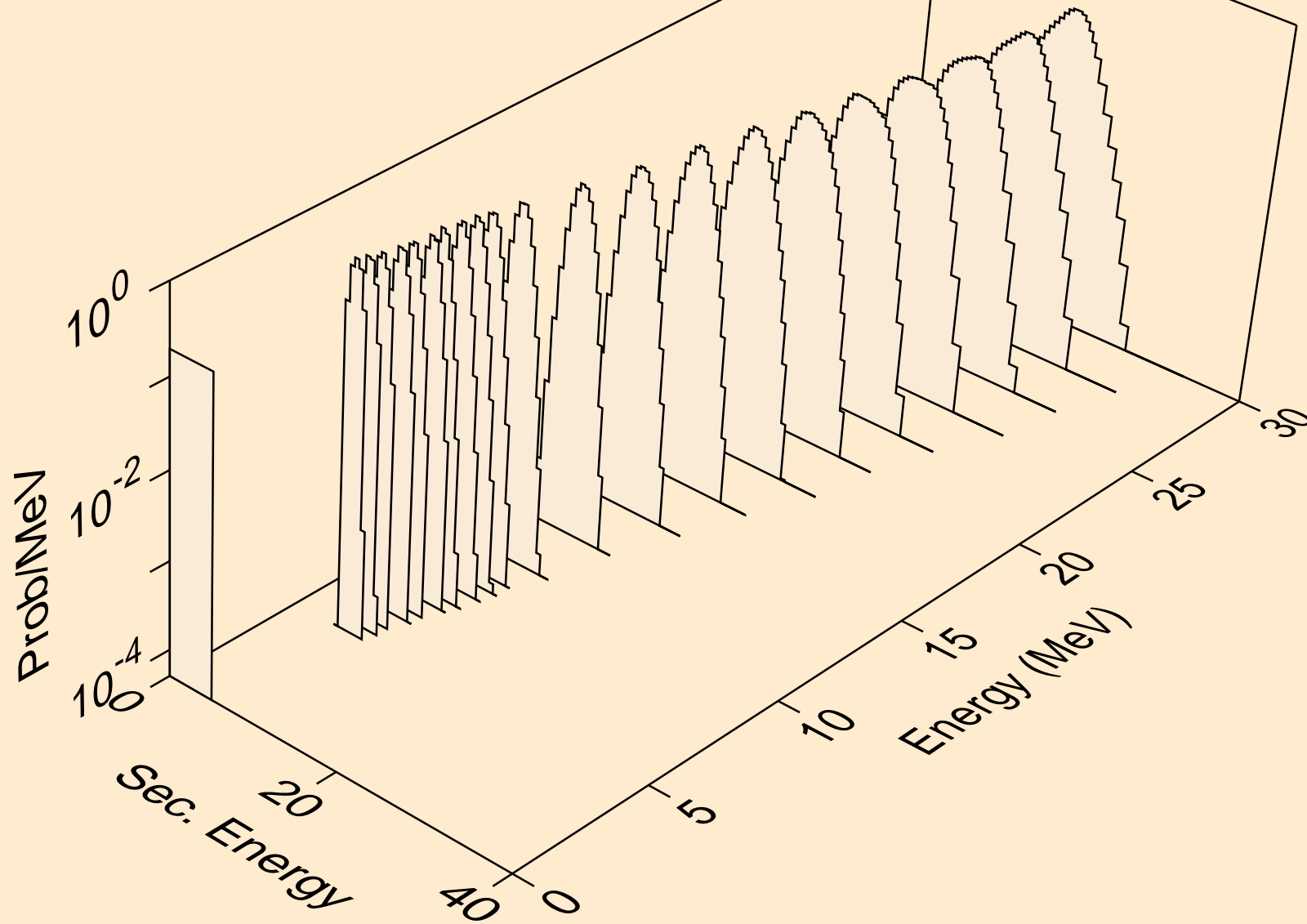
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2n)a



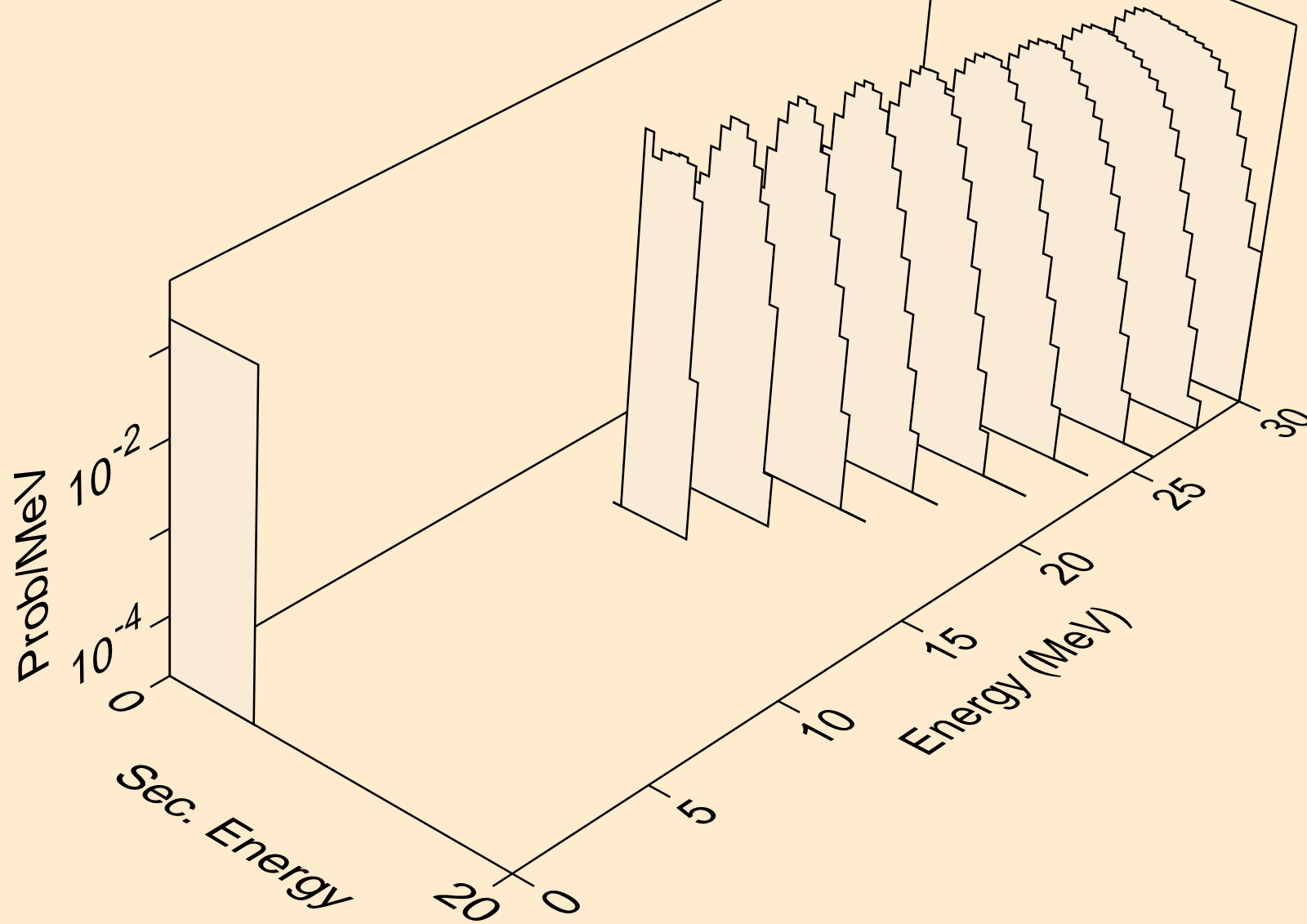
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,3n)a



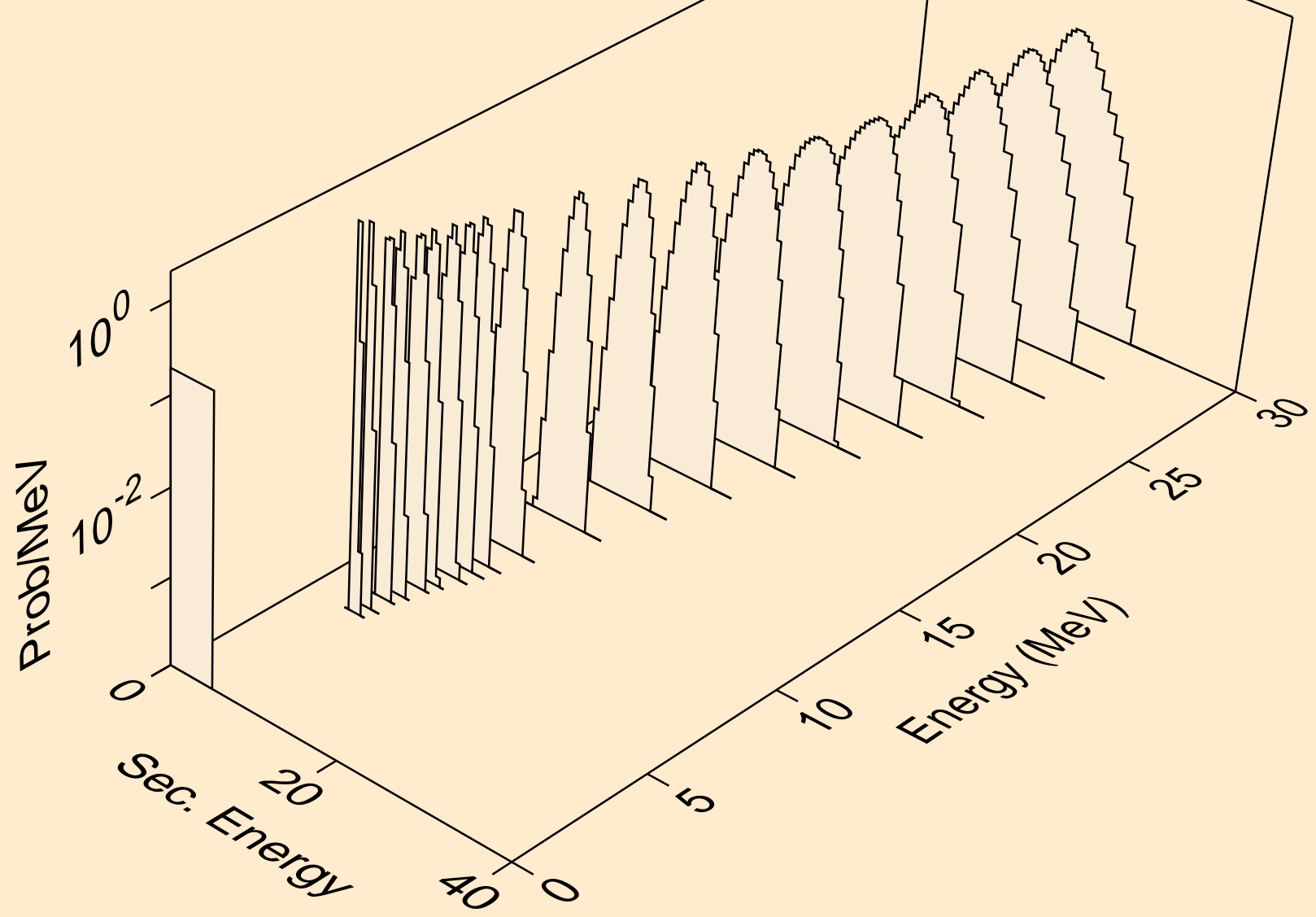
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)2a



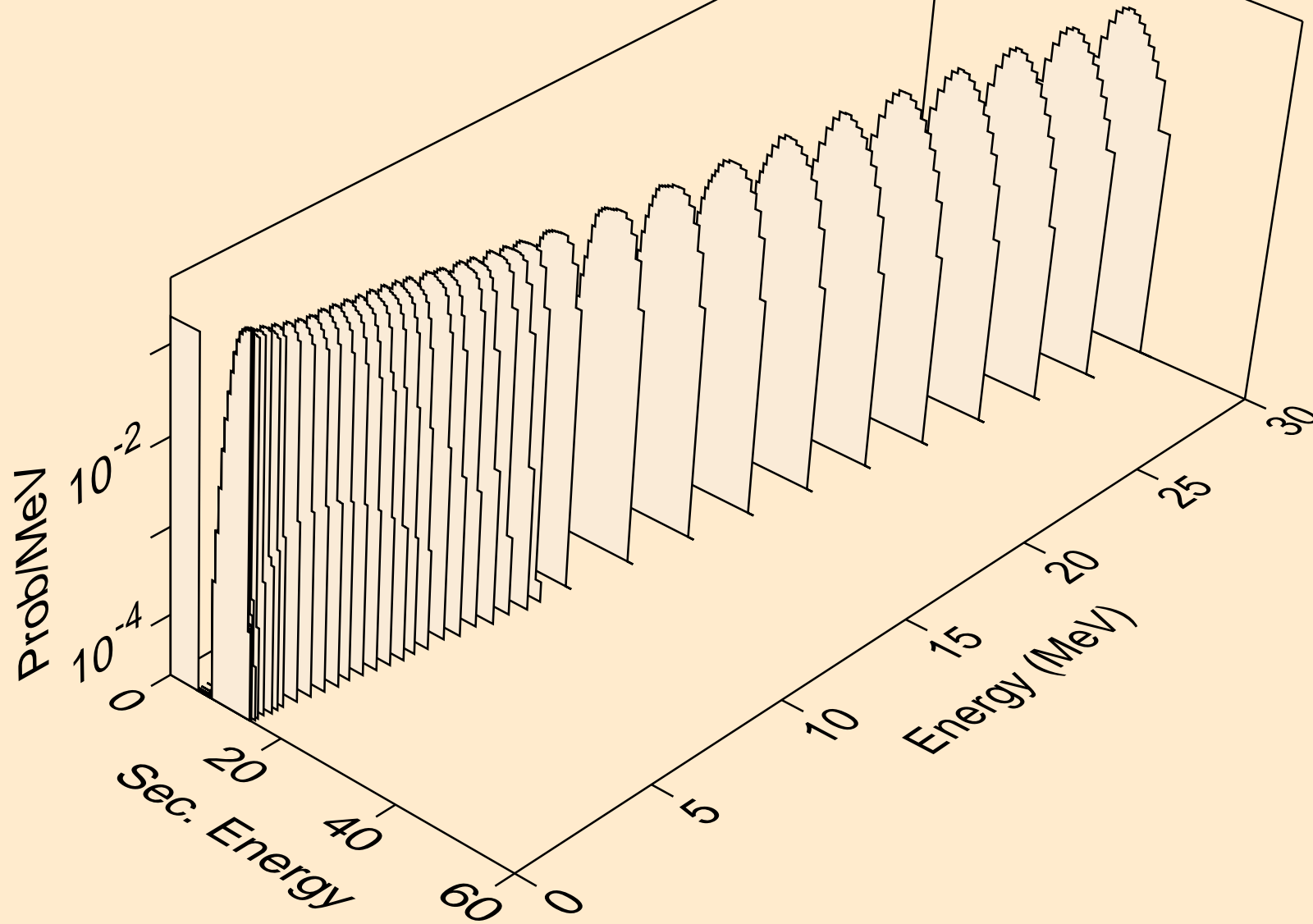
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2n)2a



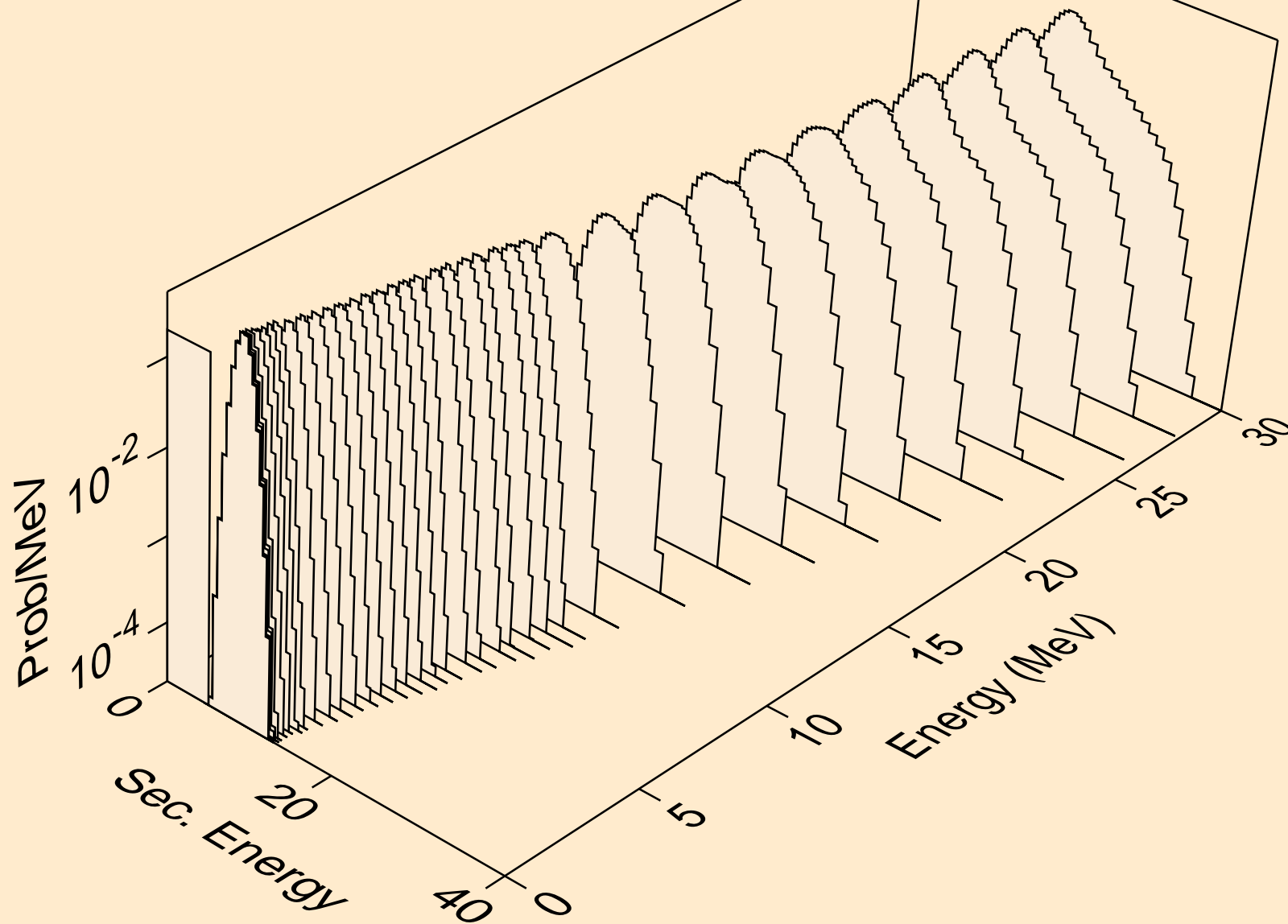
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,npa)



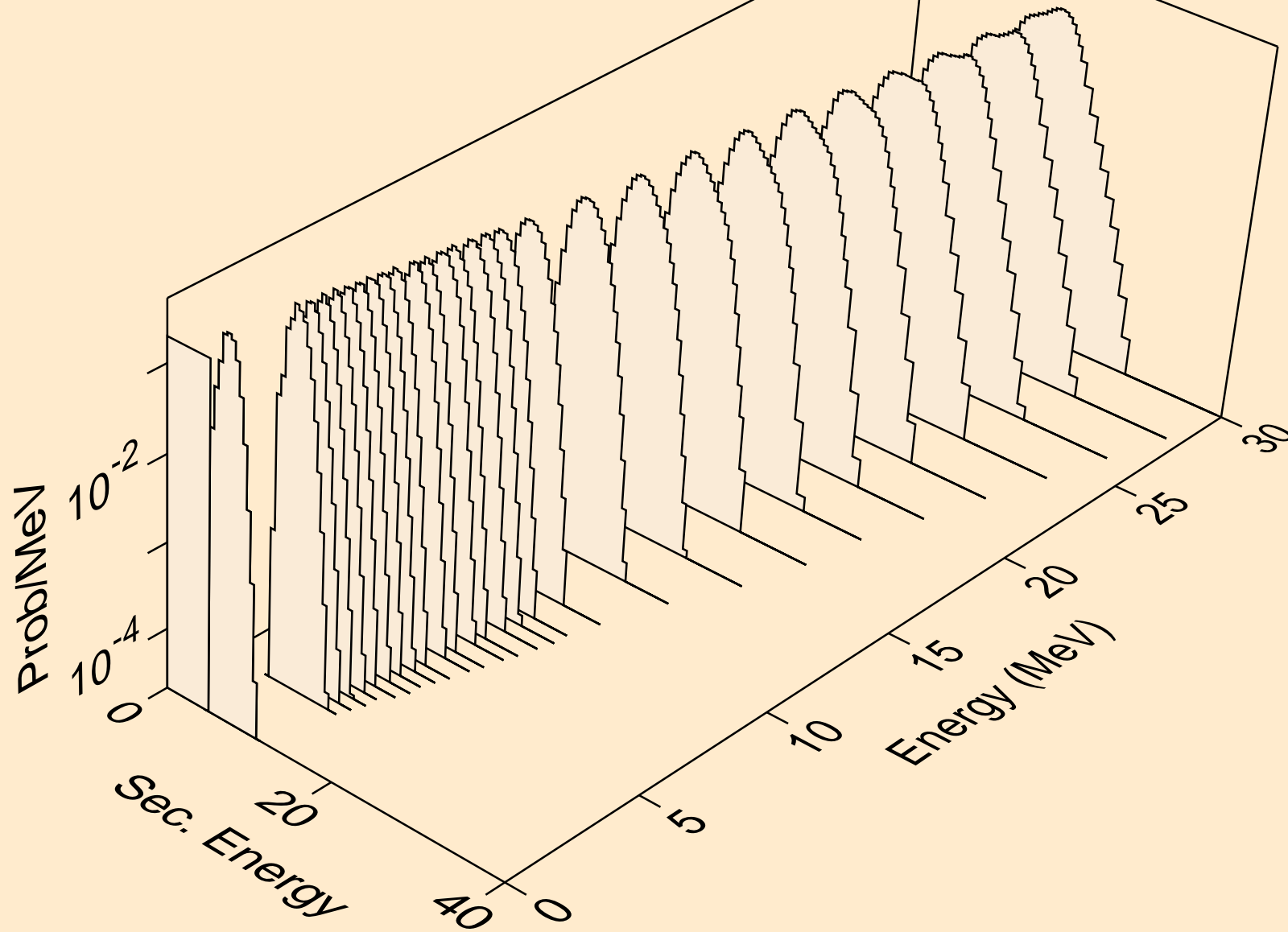
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,a)



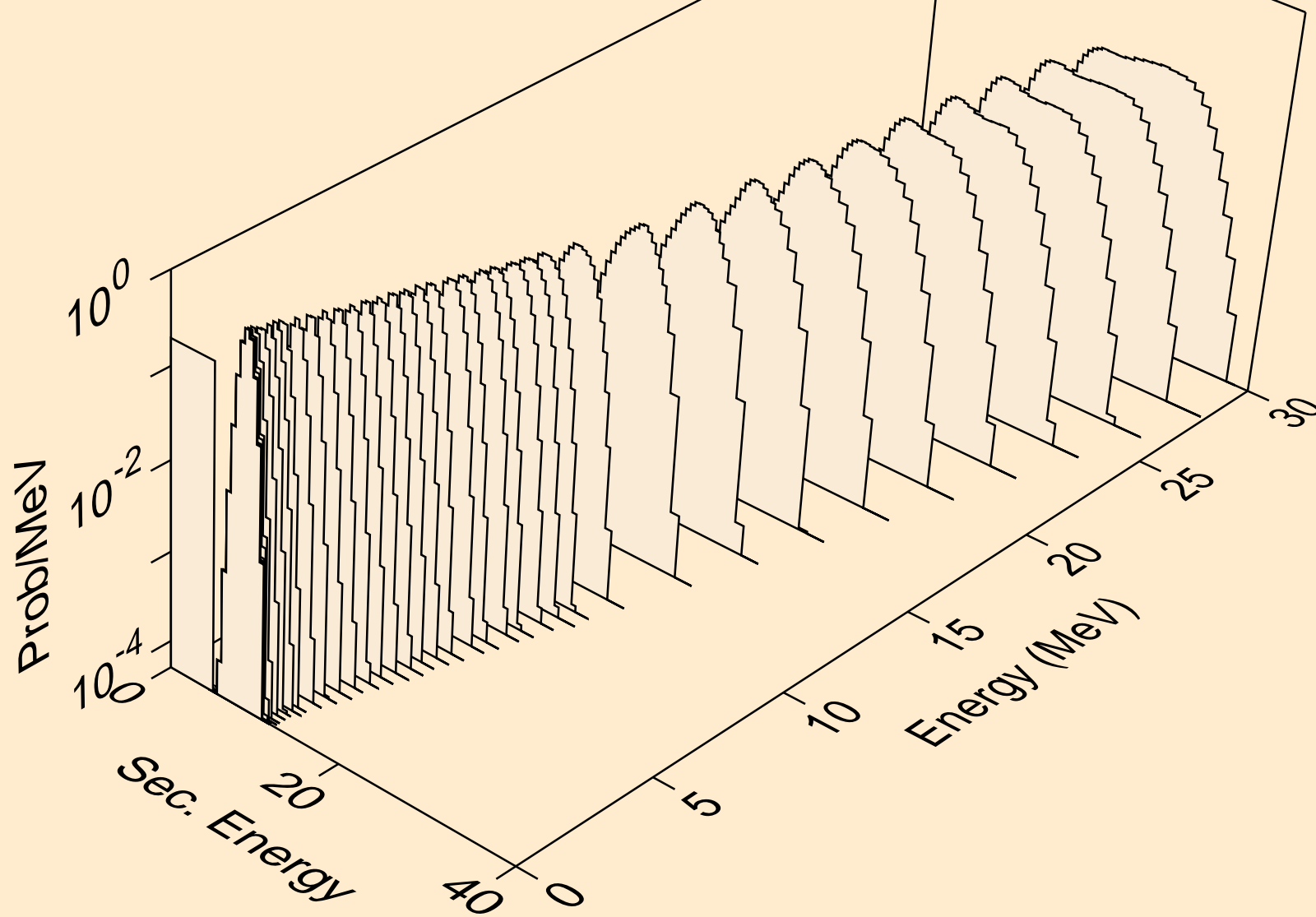
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2a)



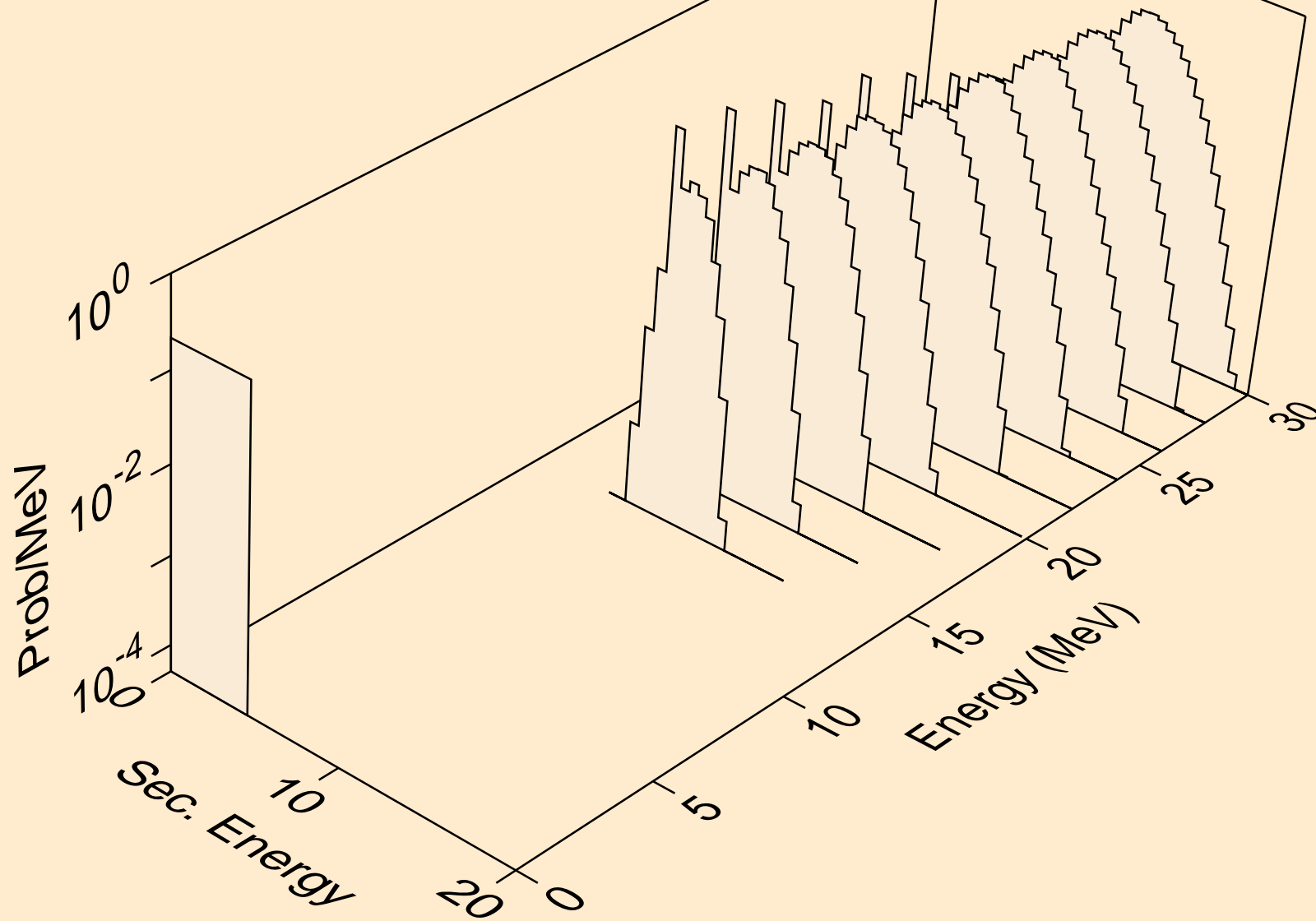
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,3a)



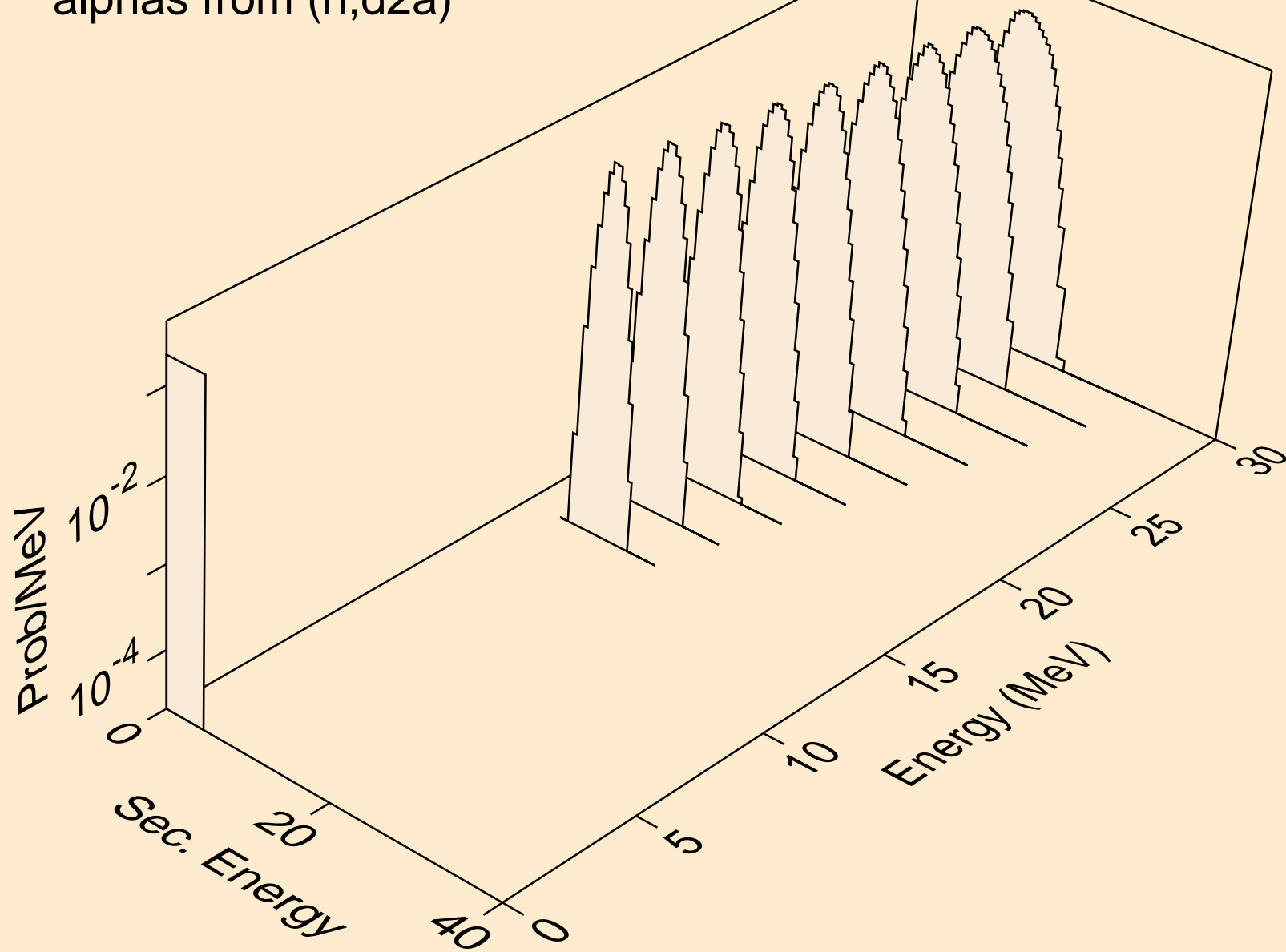
TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,pa)



TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,t2a)



TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,d2a)



TA164 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,da)

