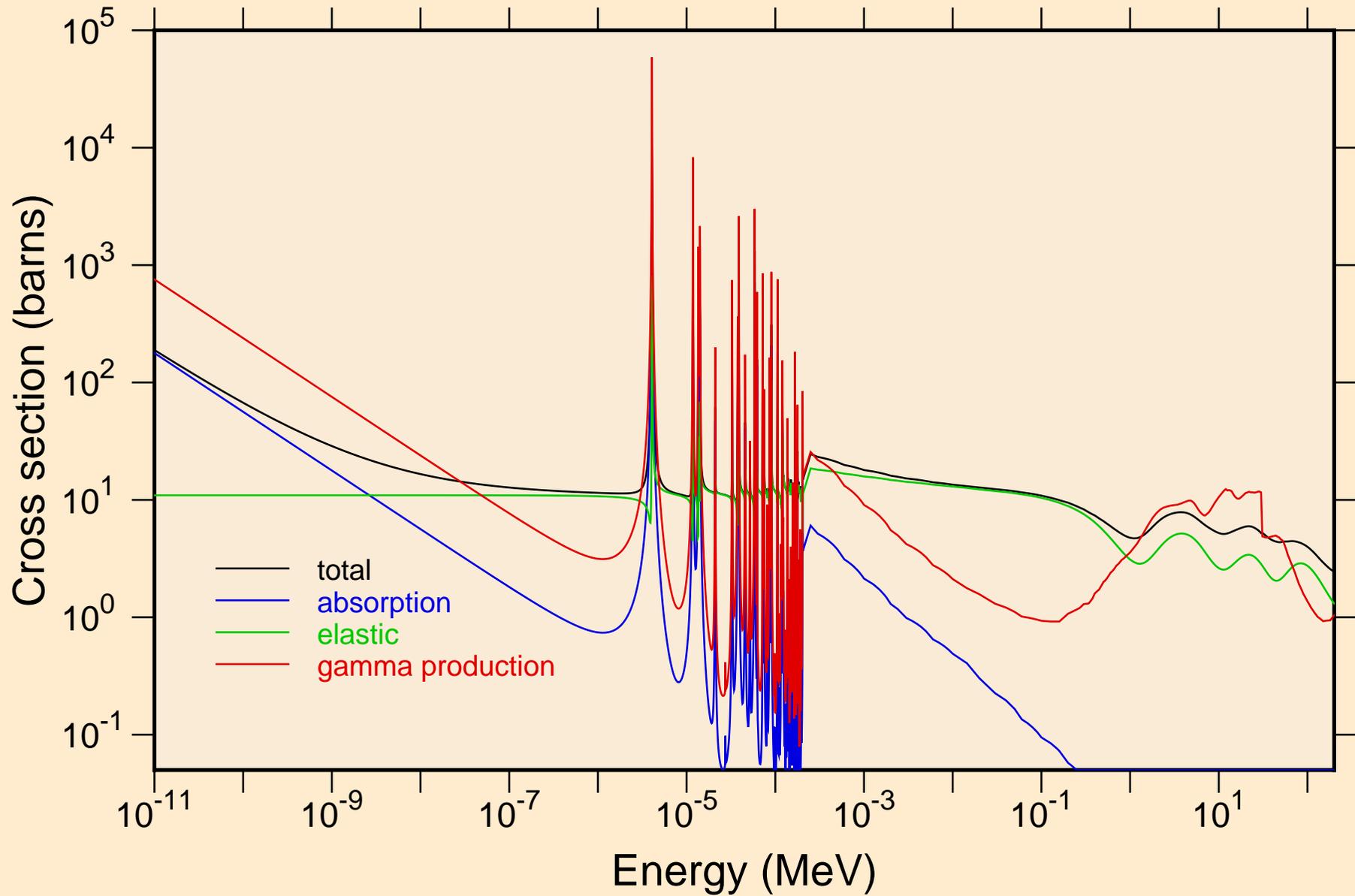
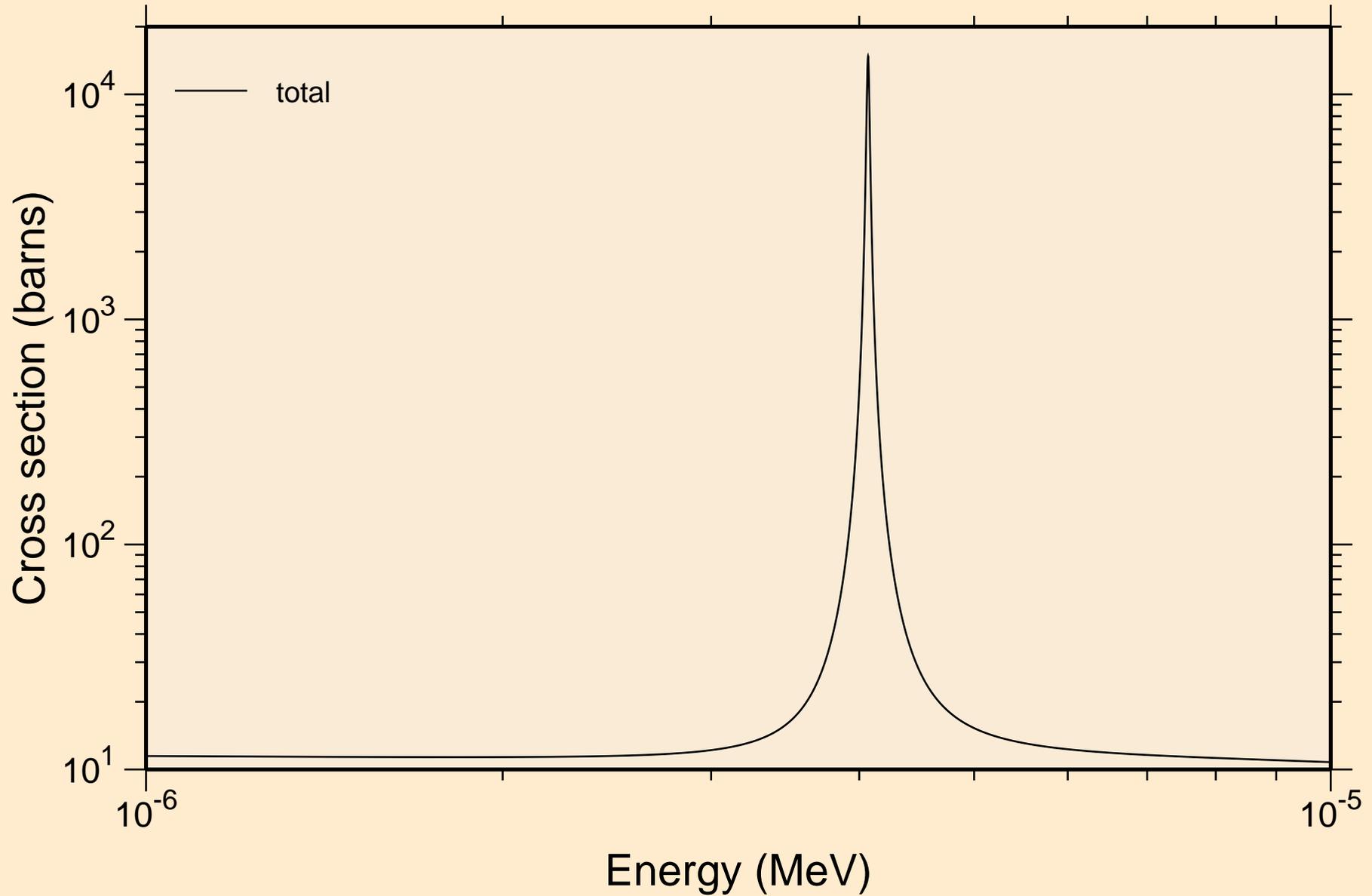


# RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

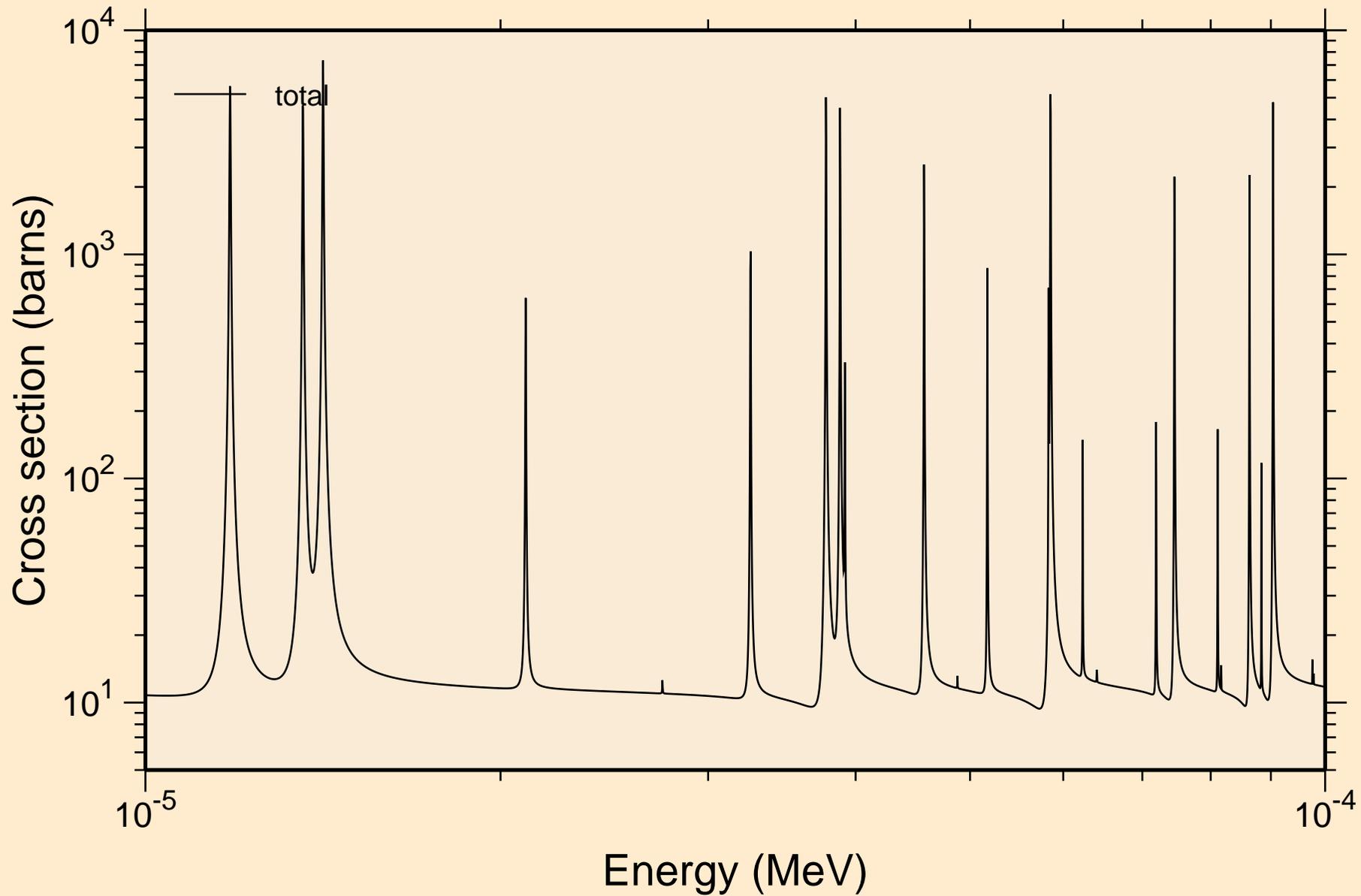
## Principal cross sections



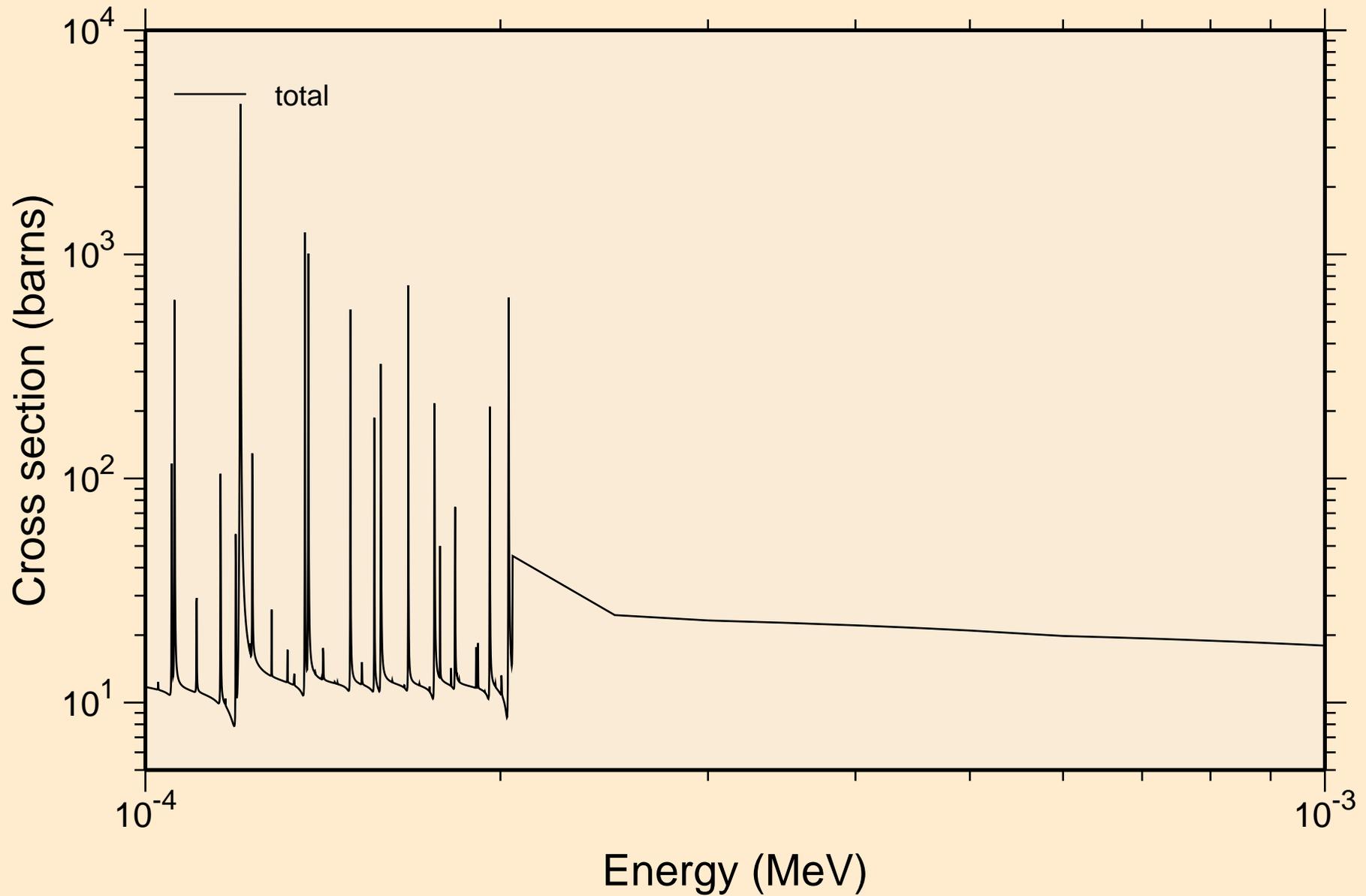
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



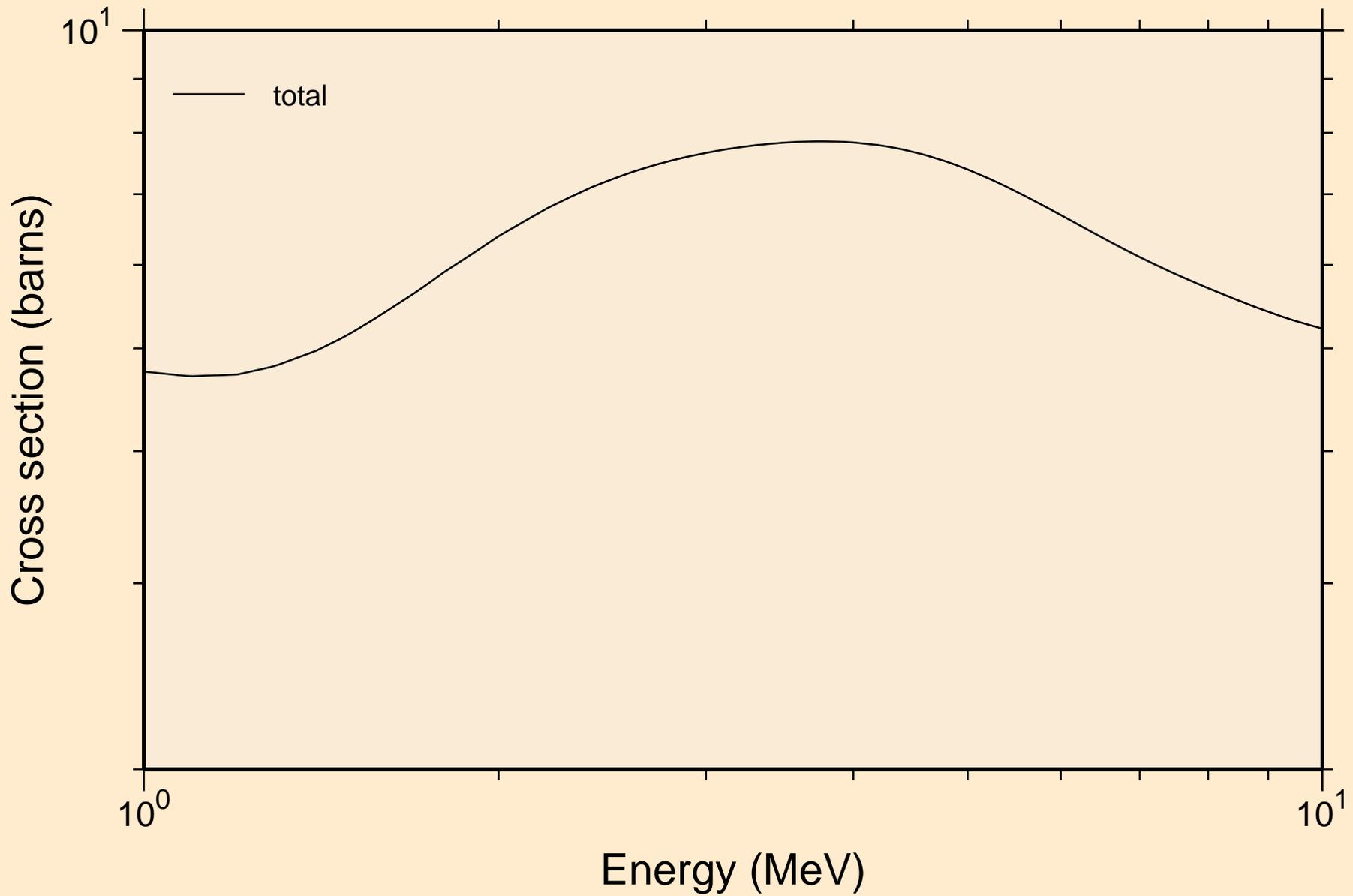
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



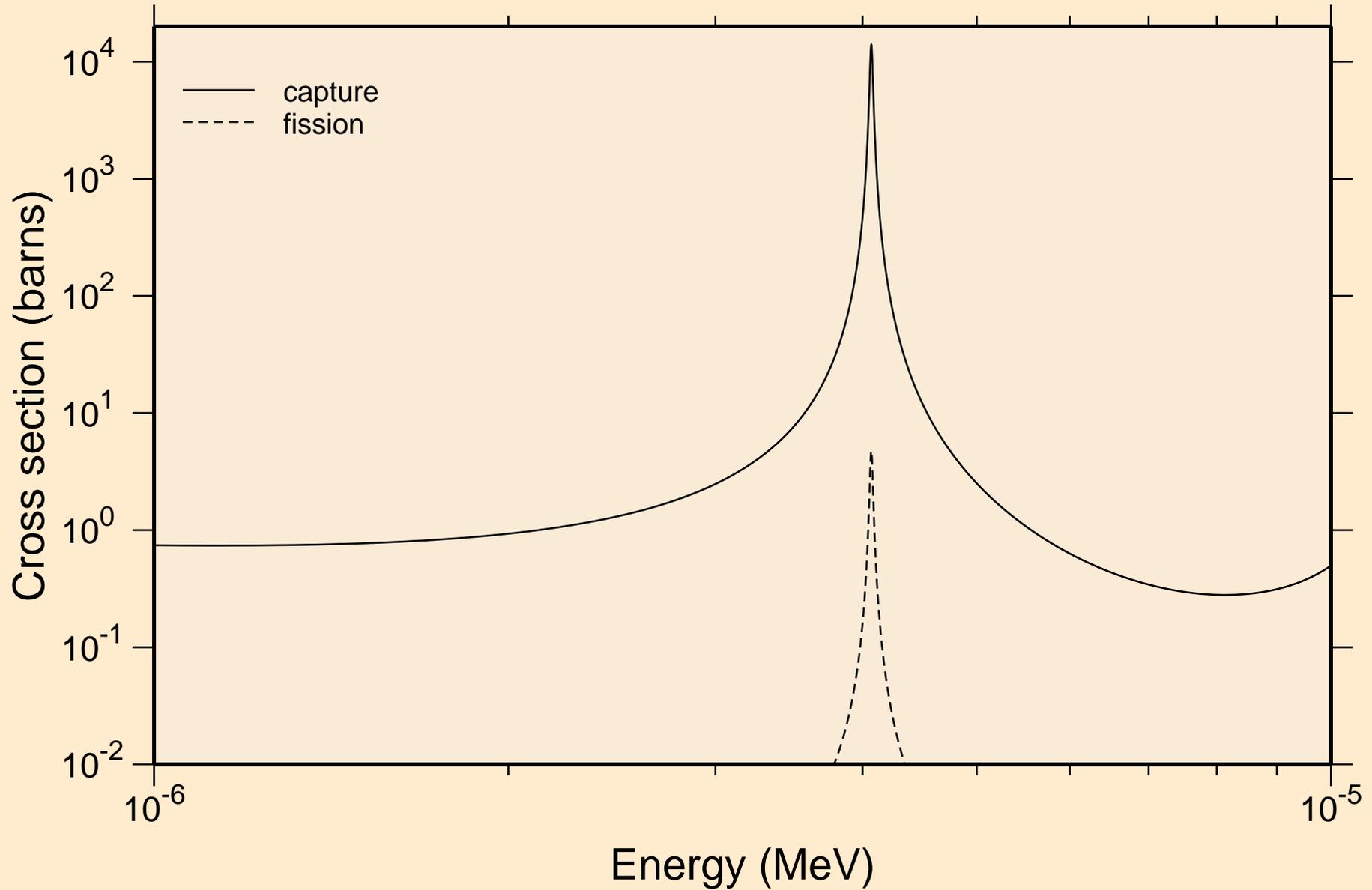
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



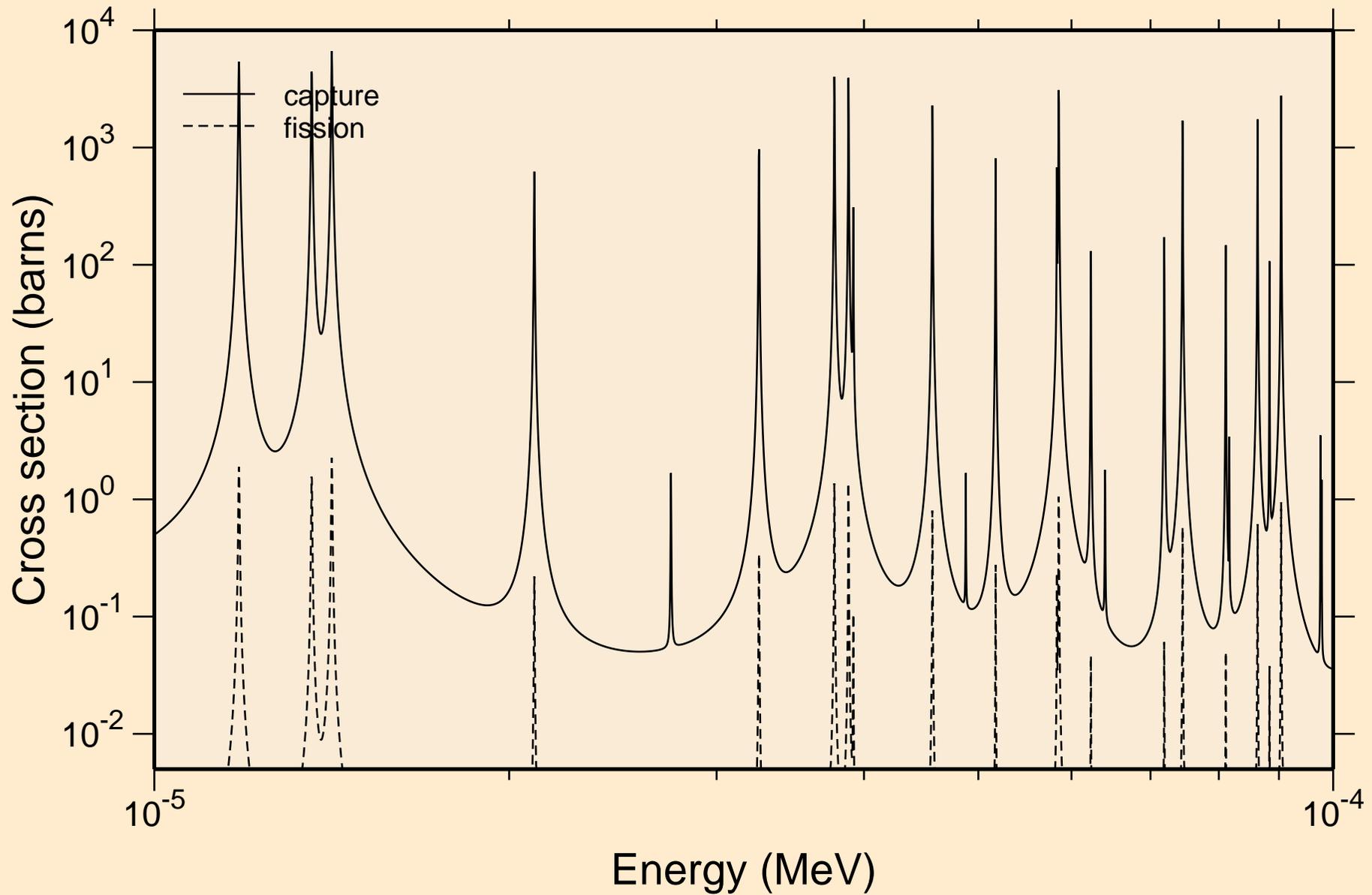
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



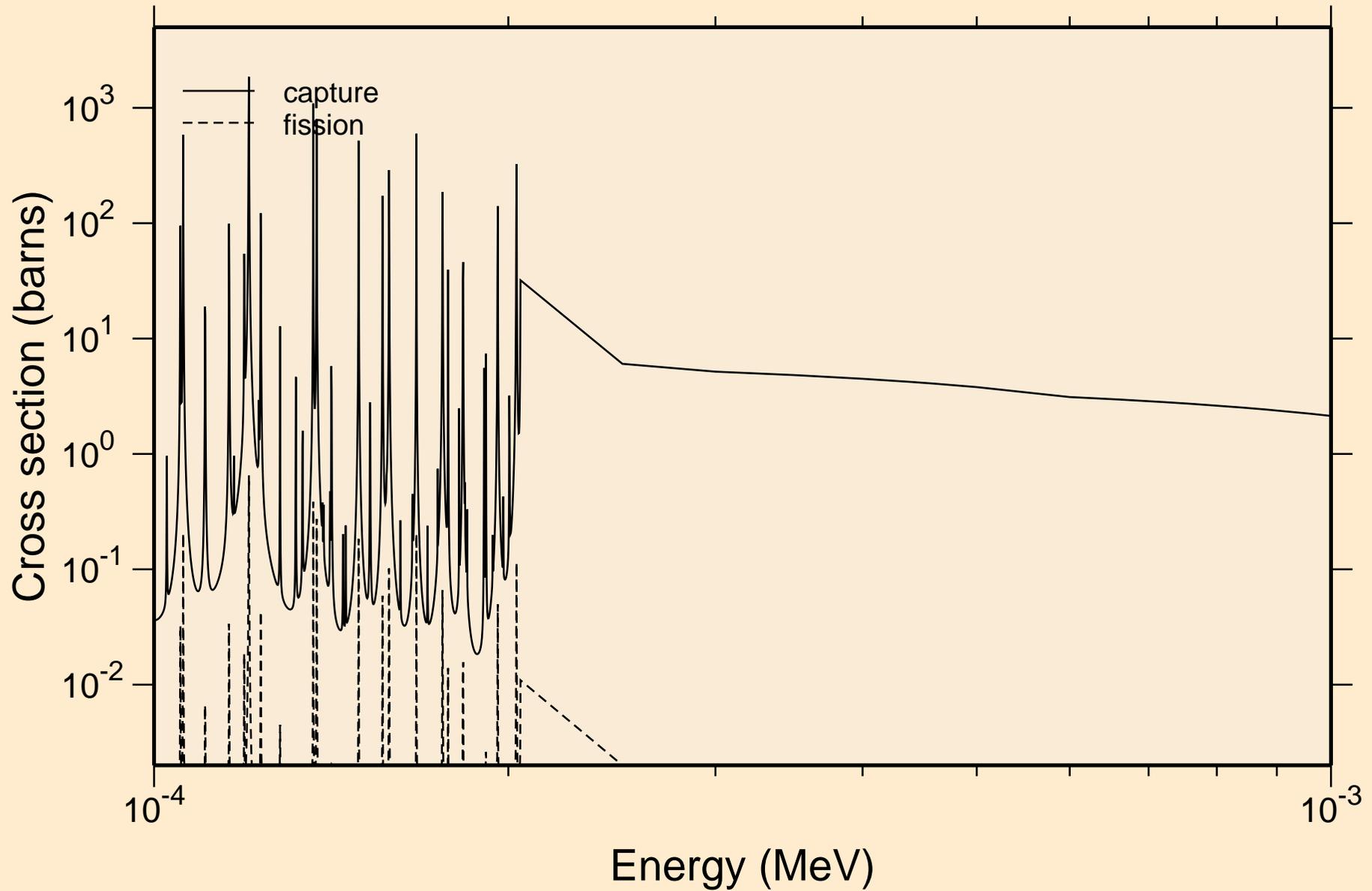
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



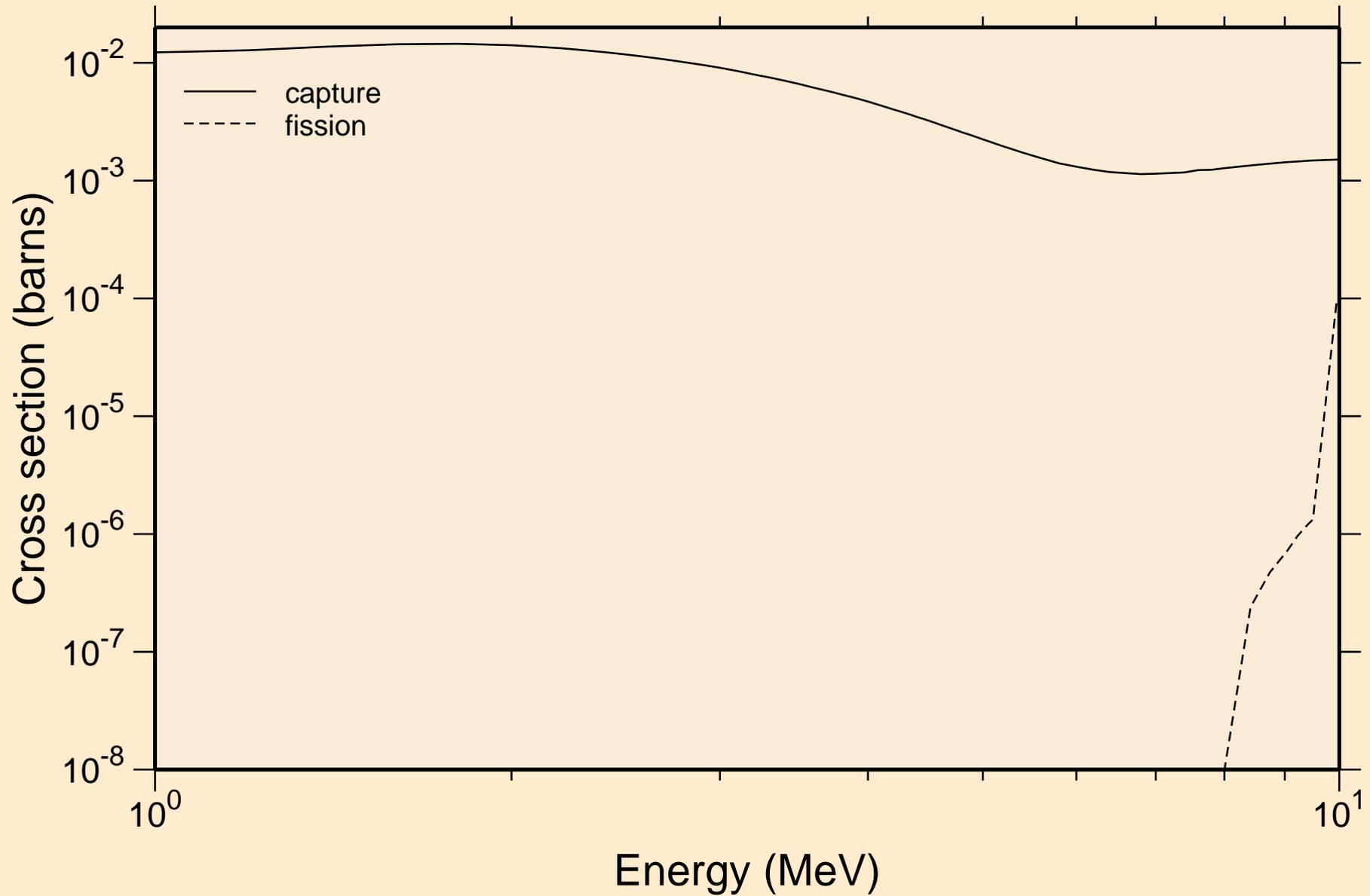
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



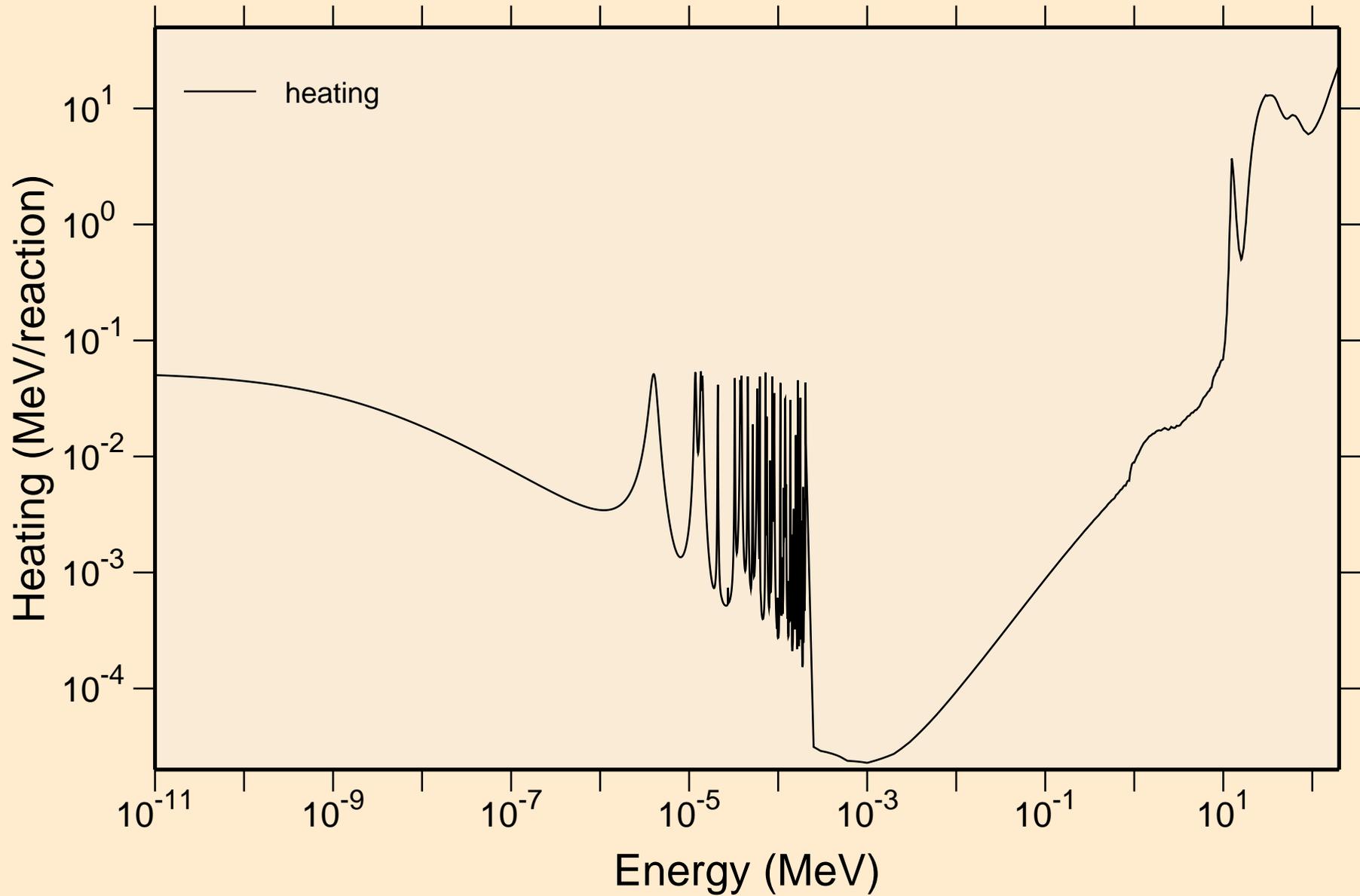
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



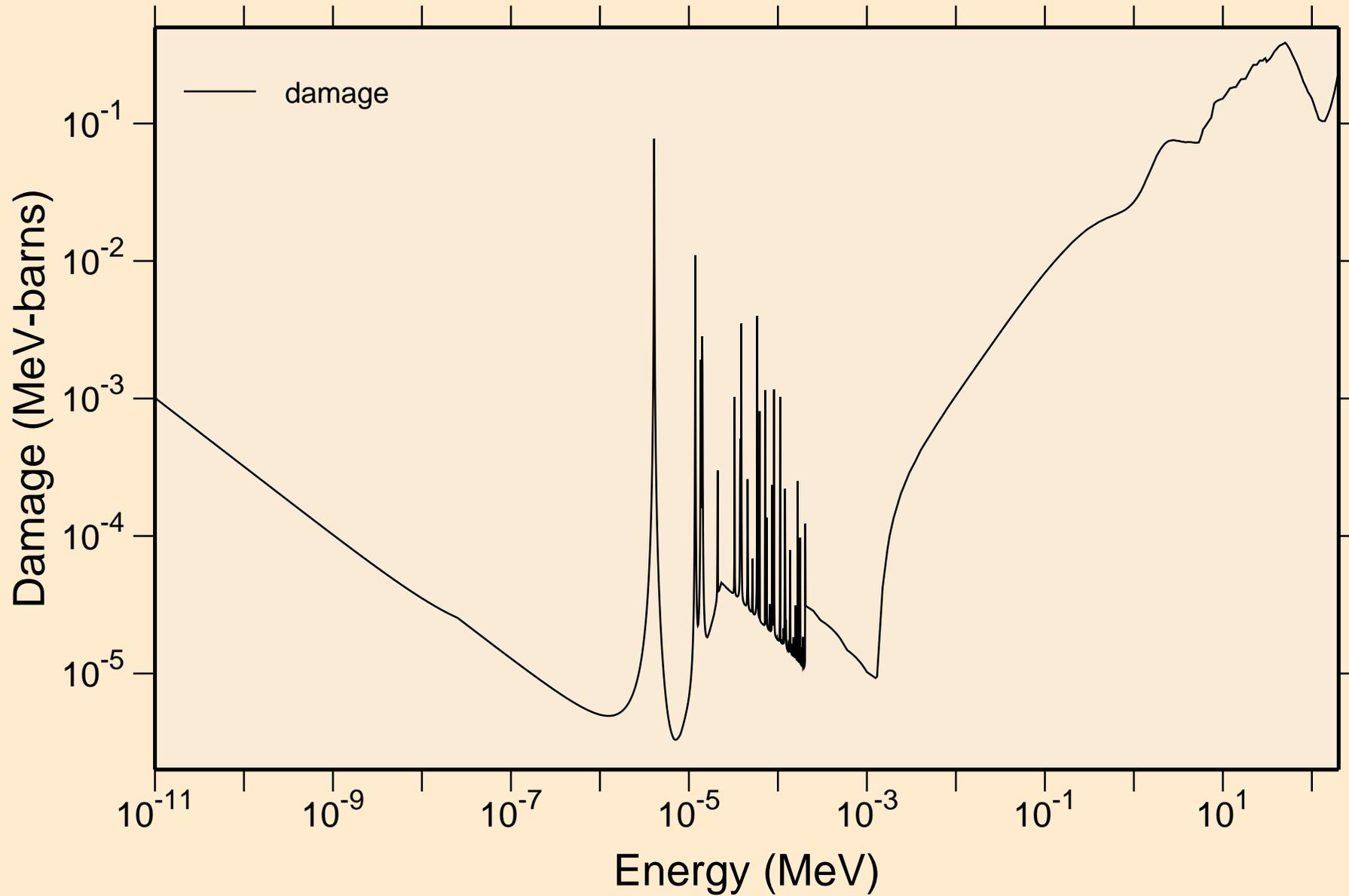
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Heating

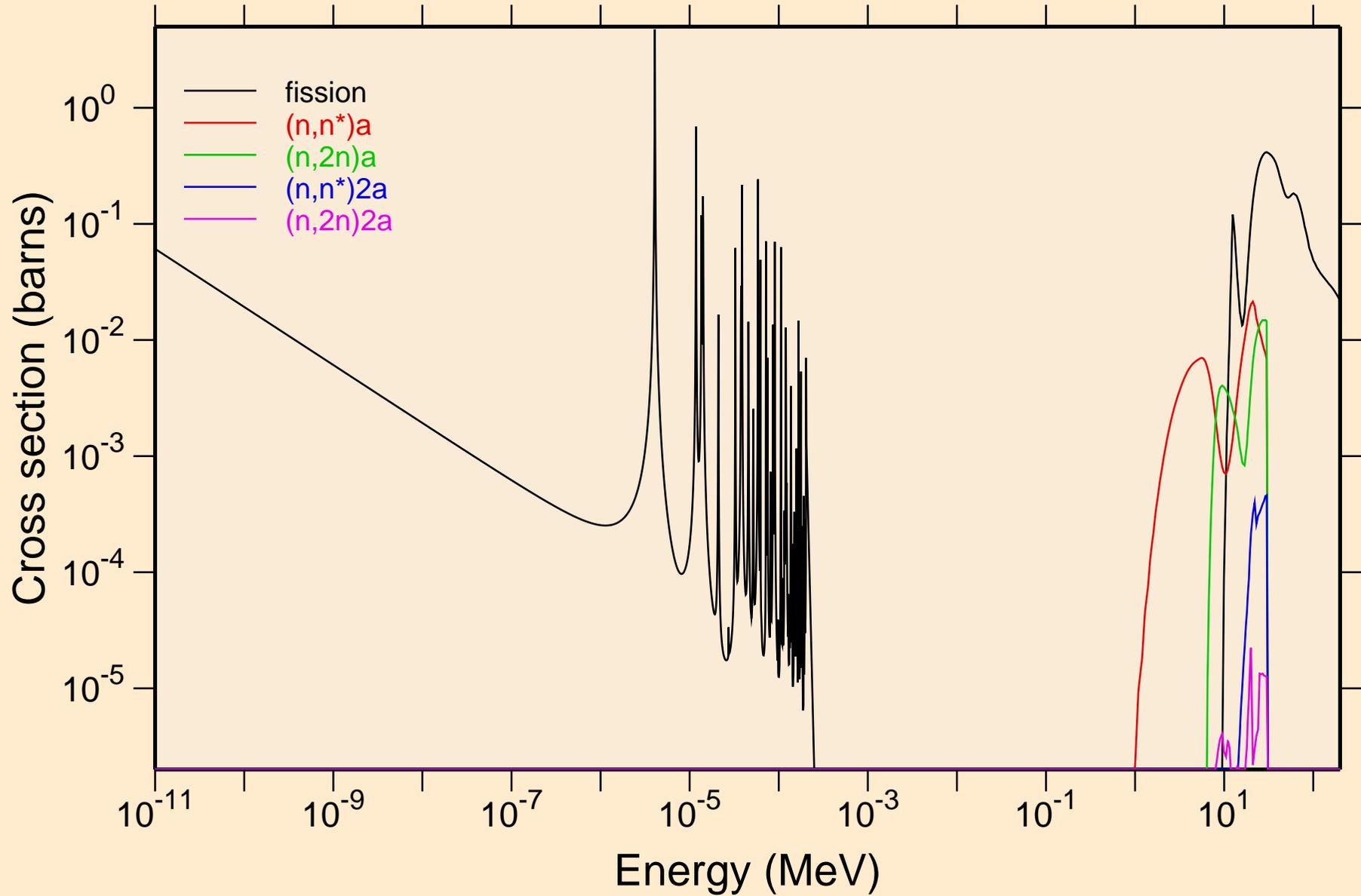


RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Damage

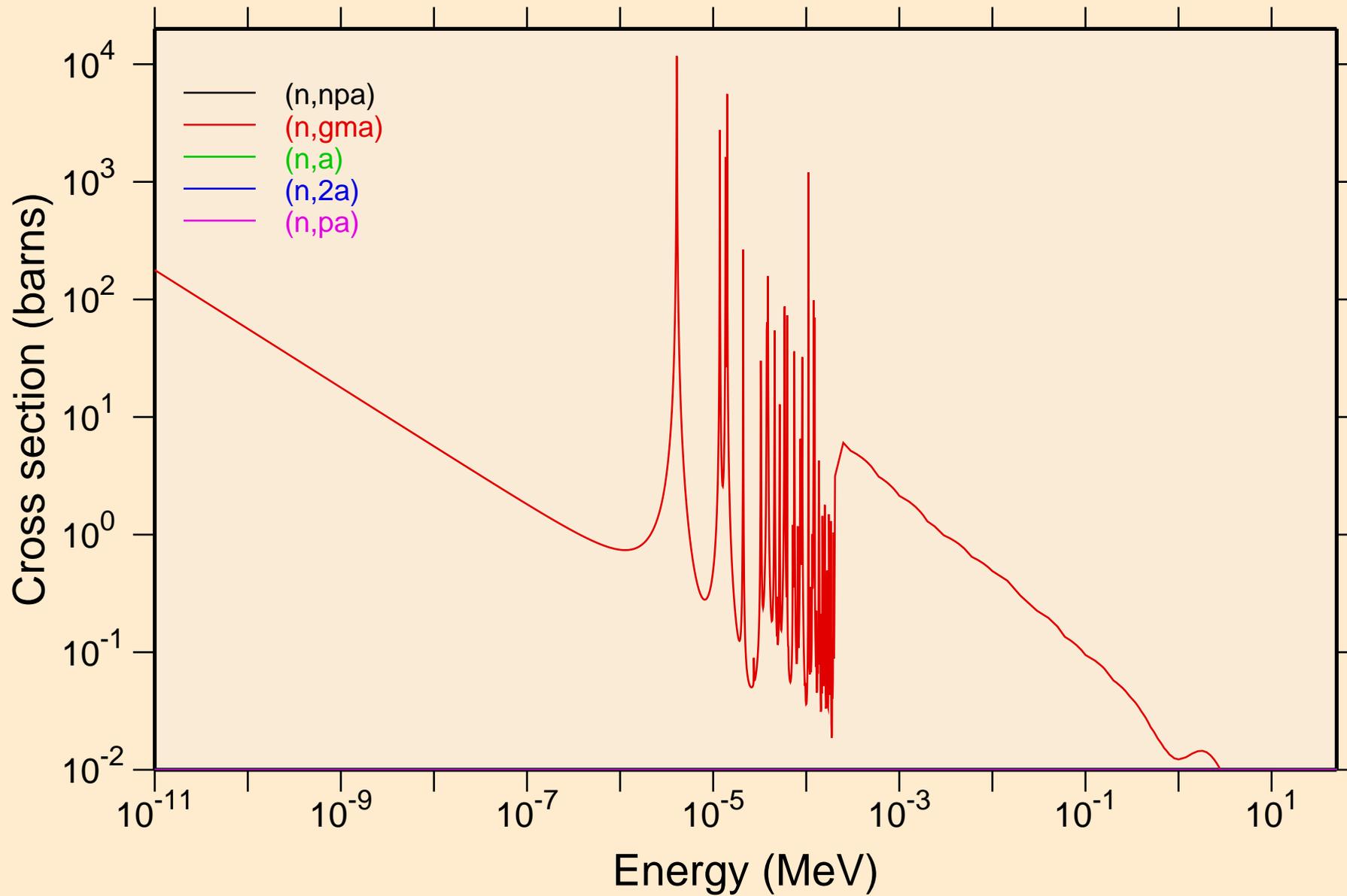


# RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

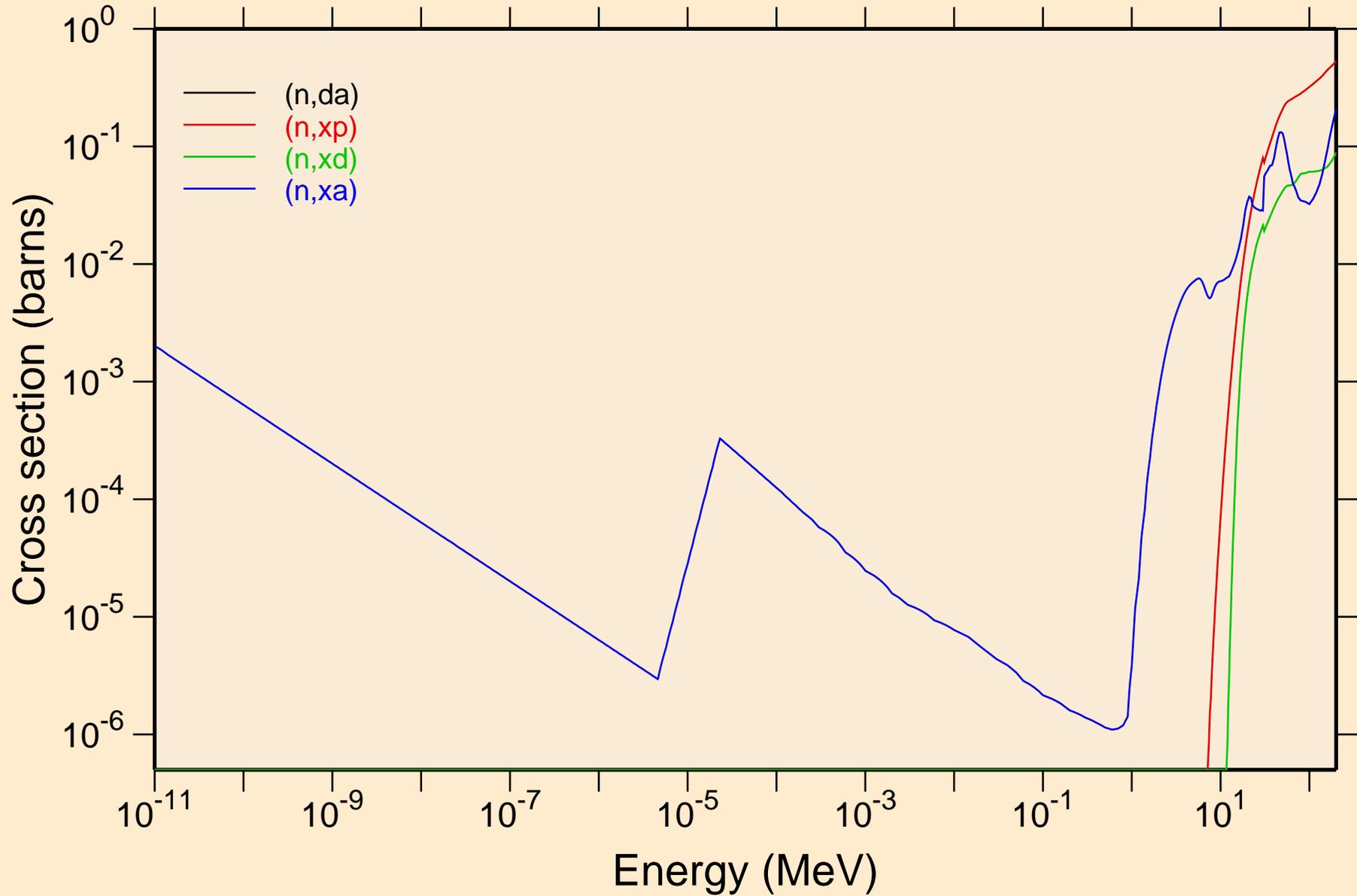
## Non-threshold reactions



RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

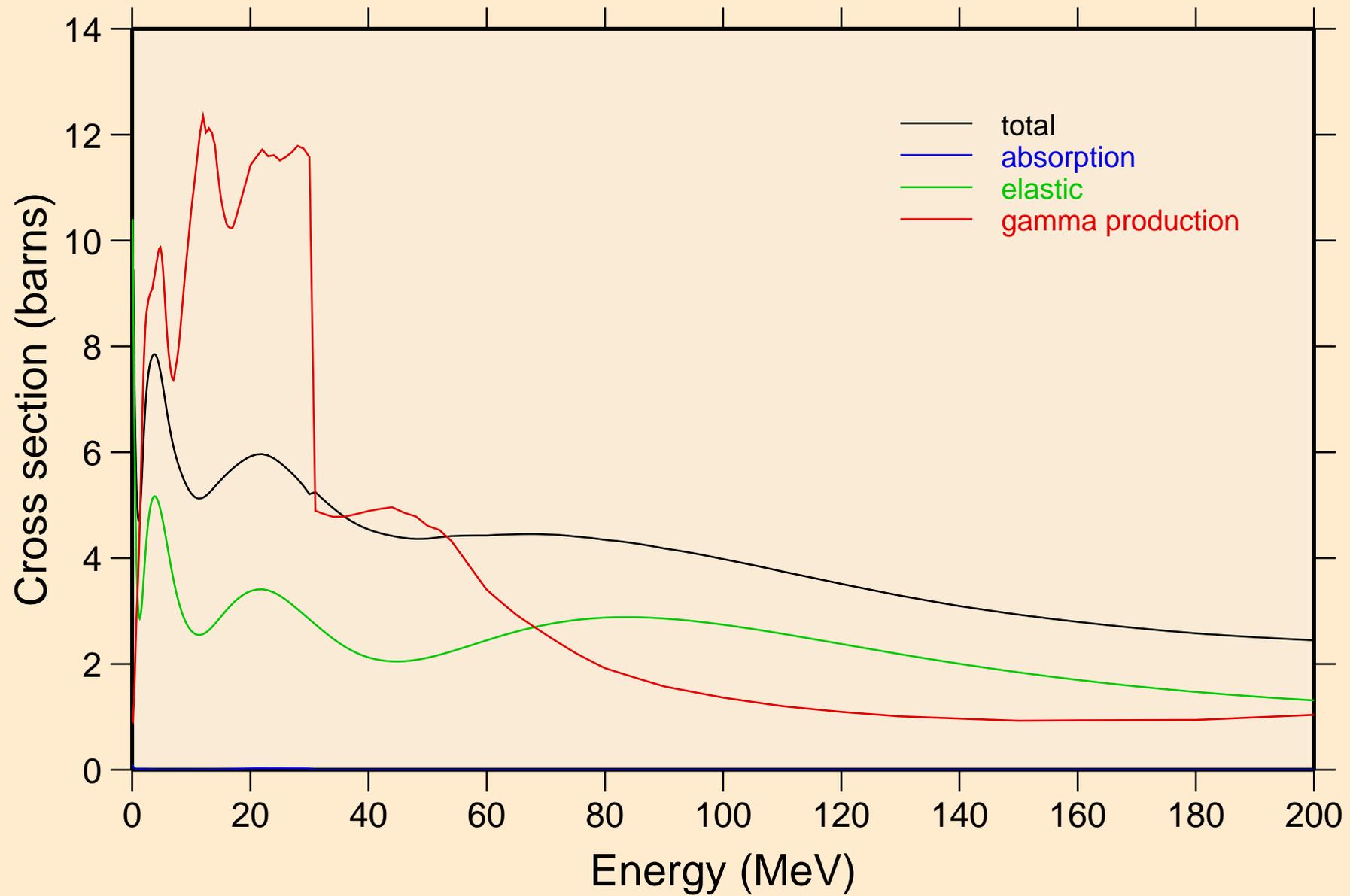


RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



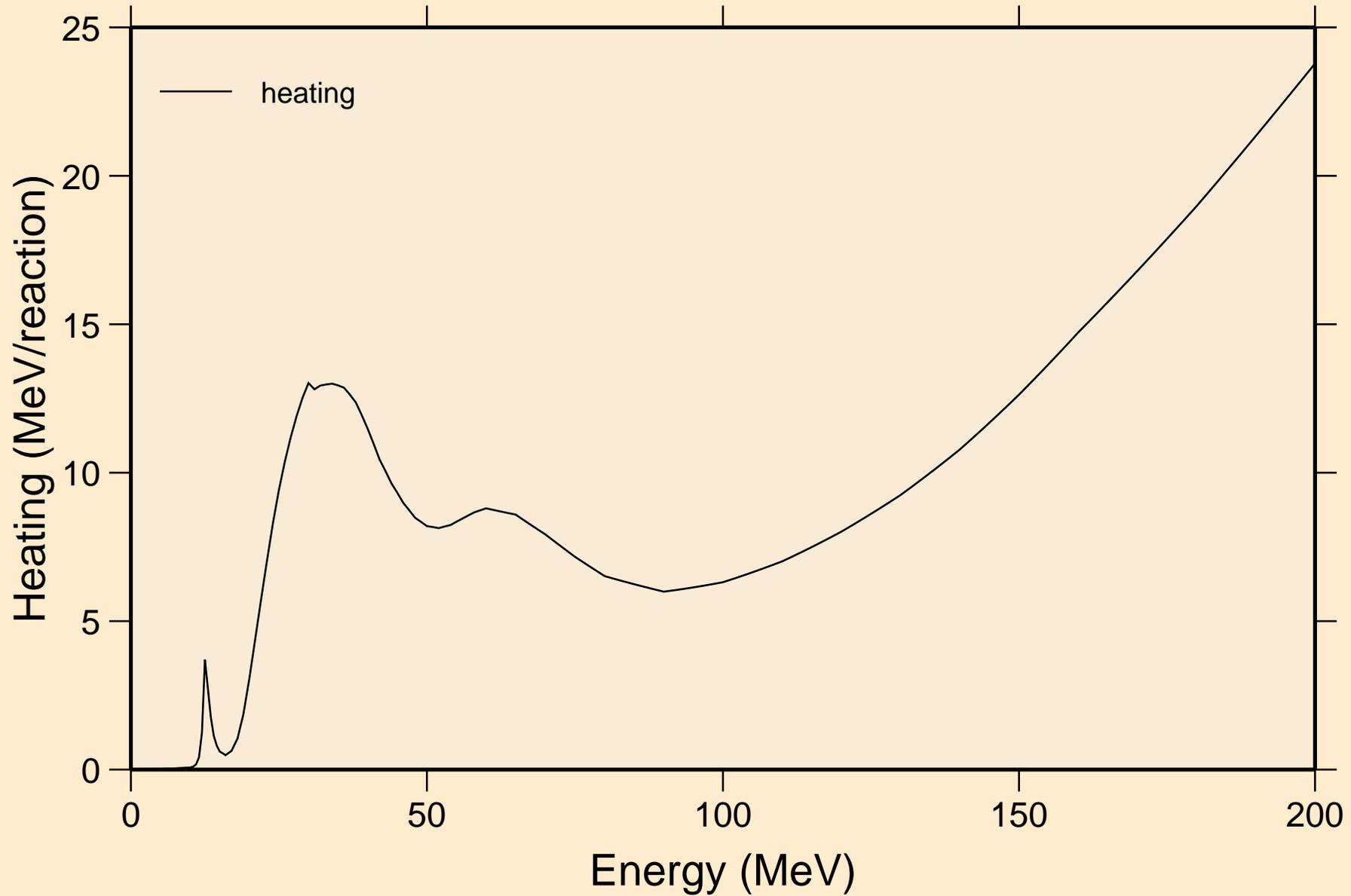
# RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



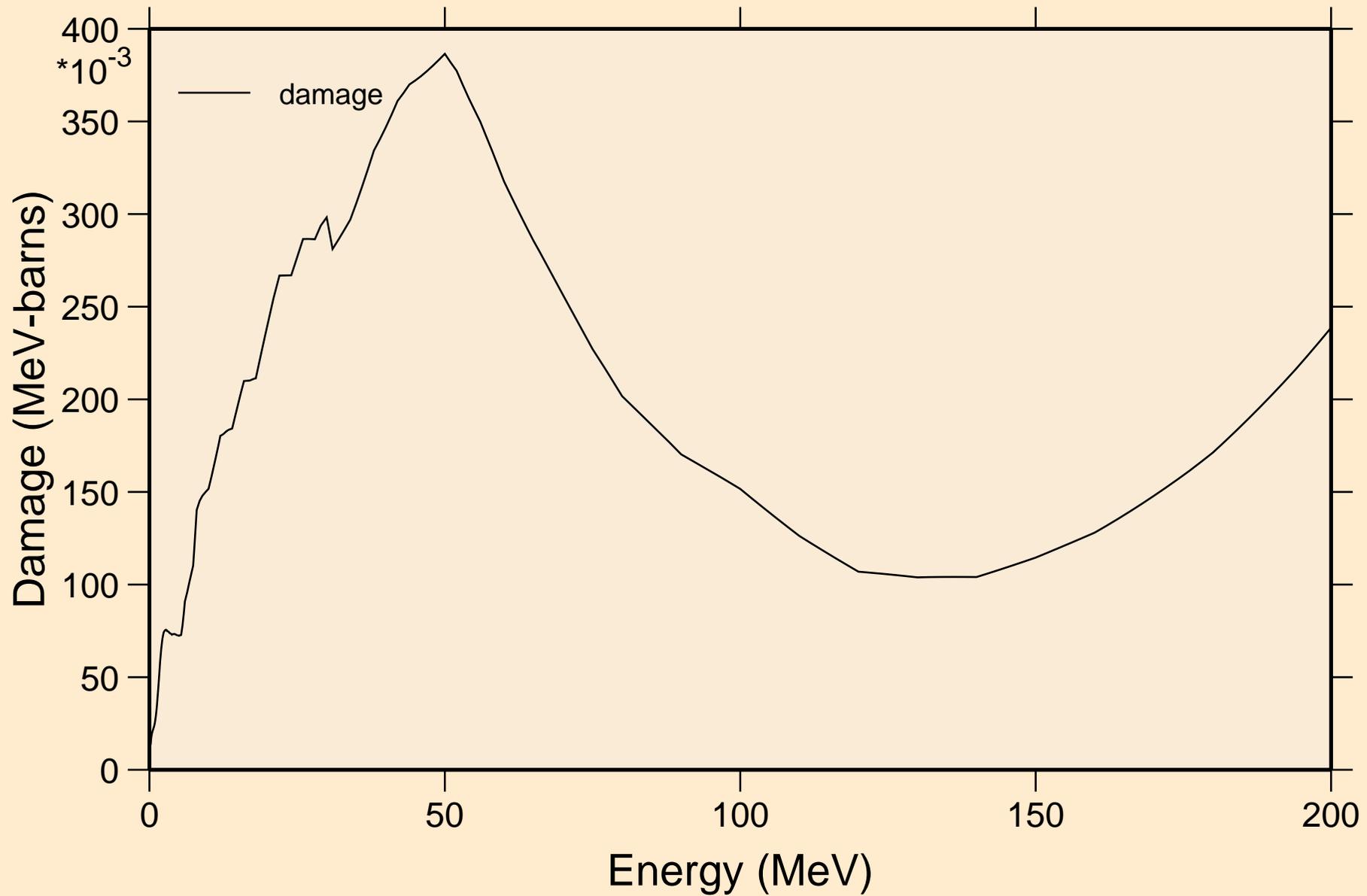
# RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Heating

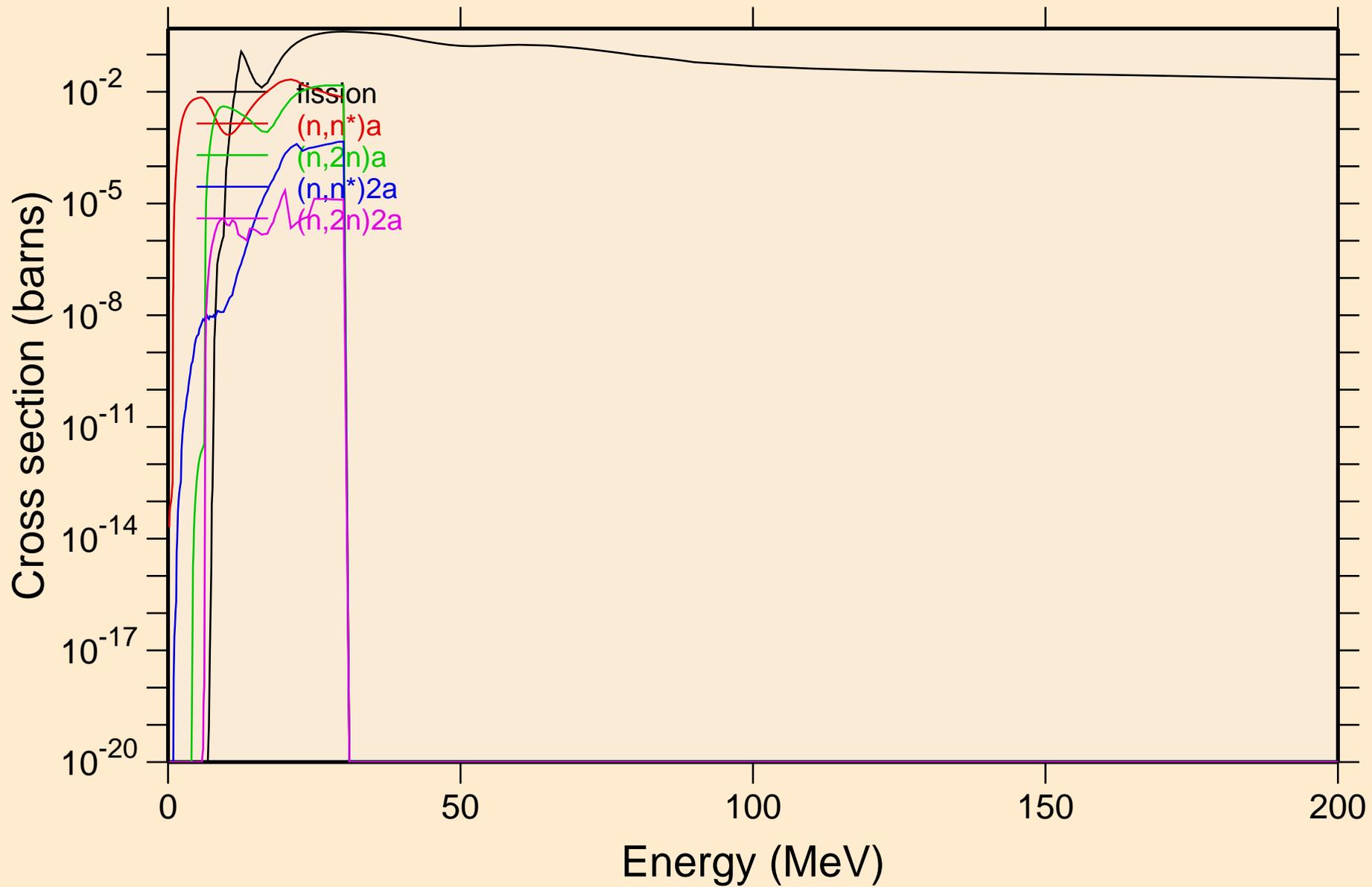


# RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Damage

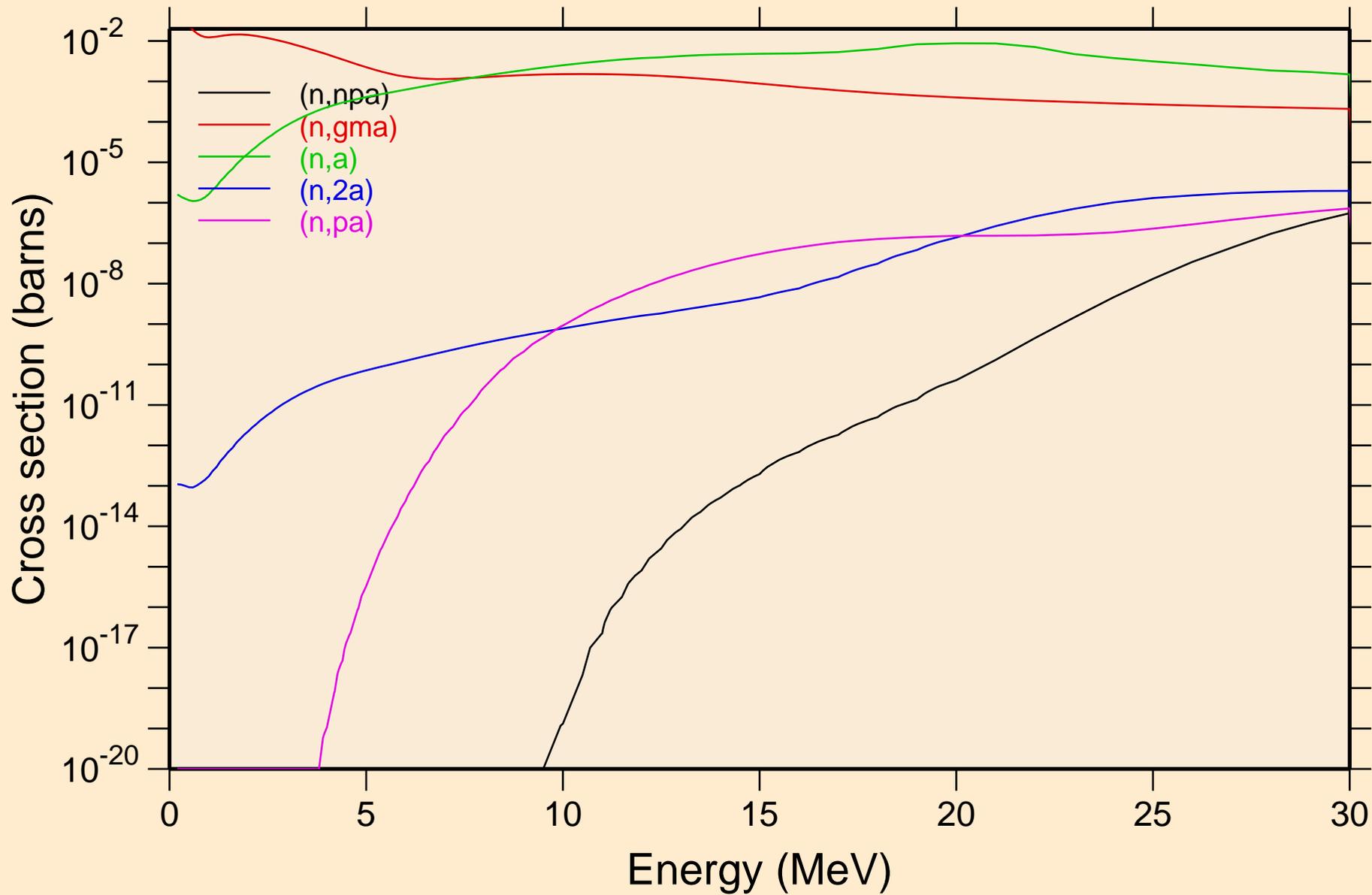


RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



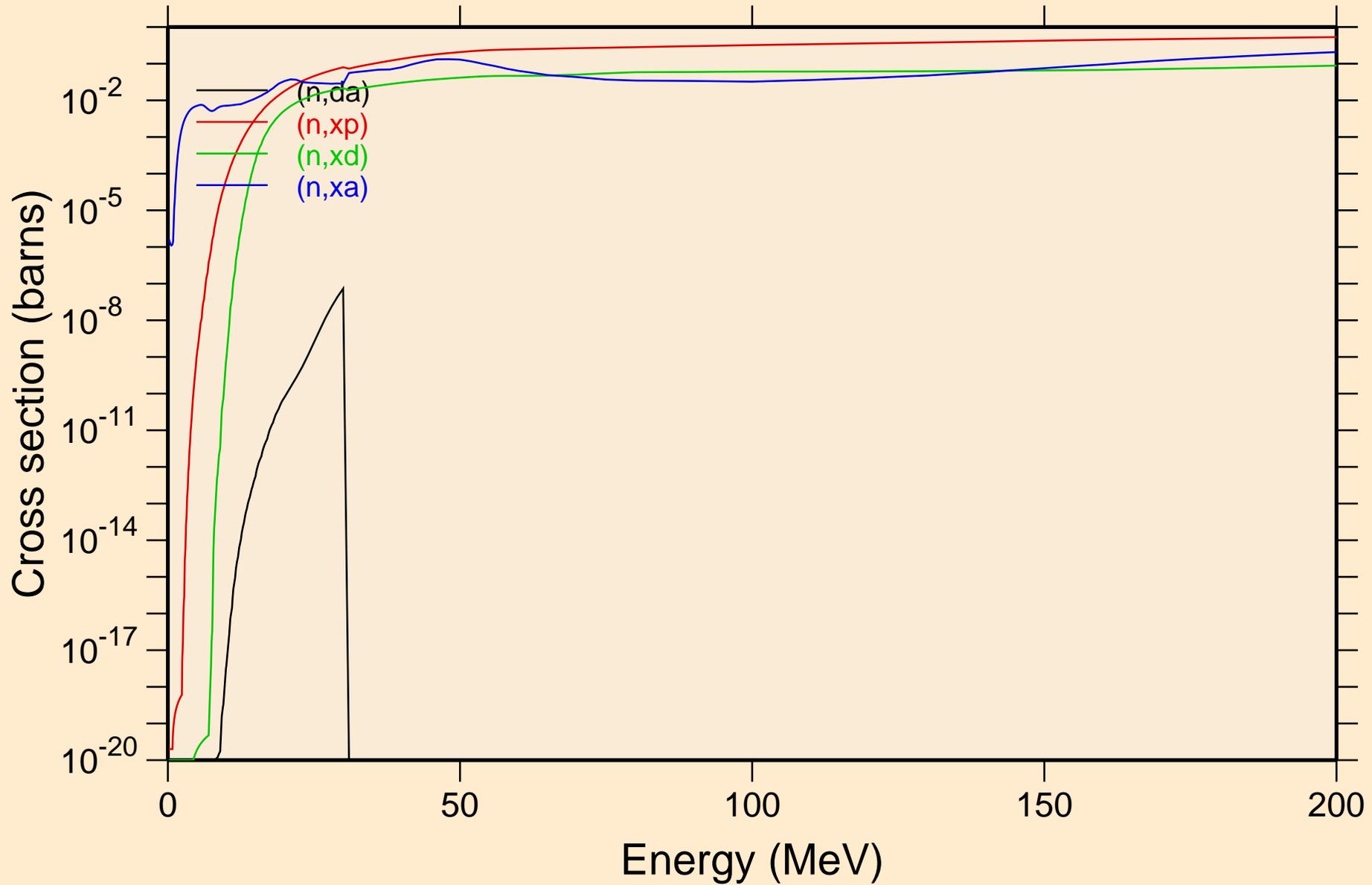
# RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Non-threshold reactions

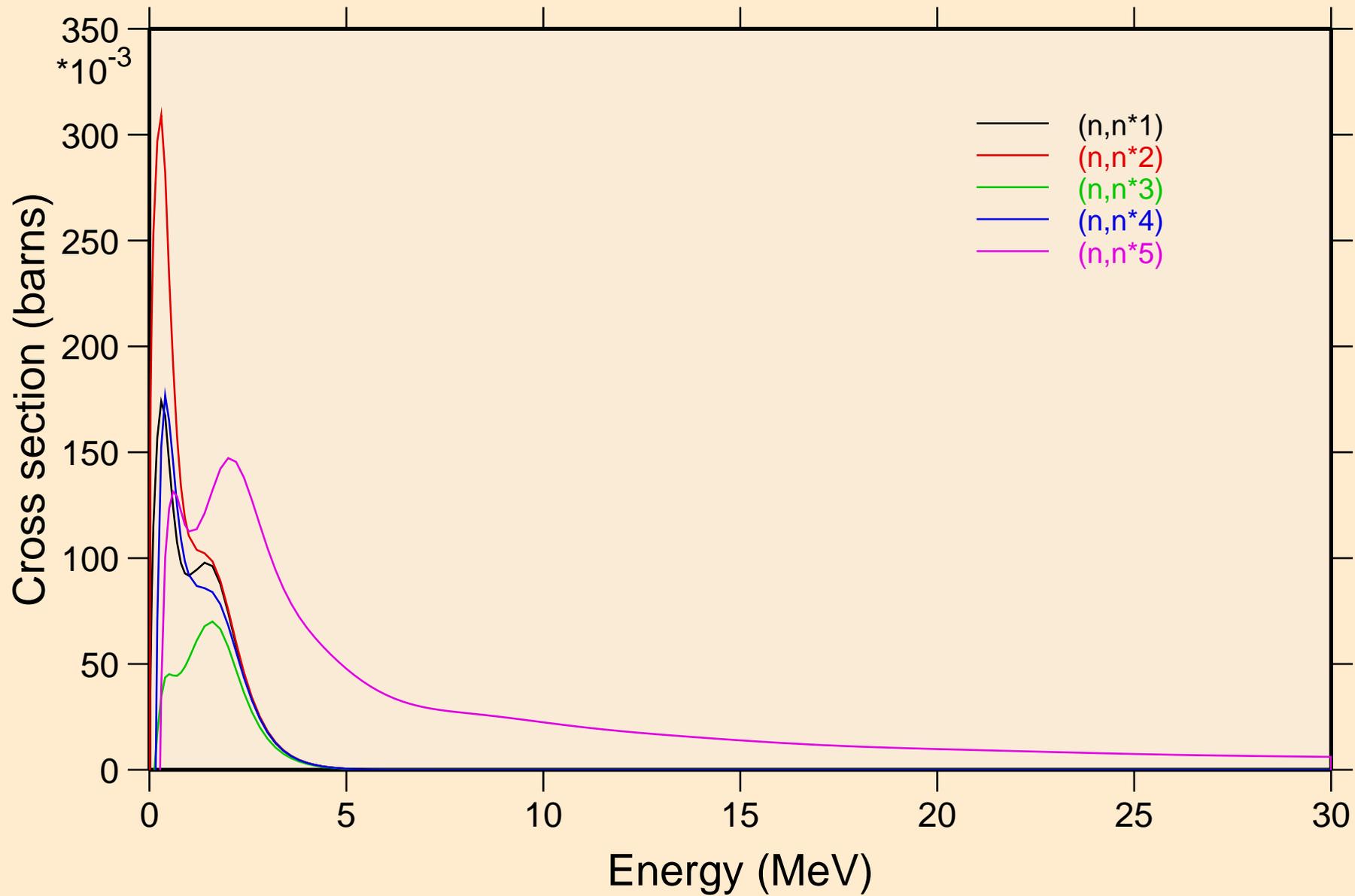


# RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

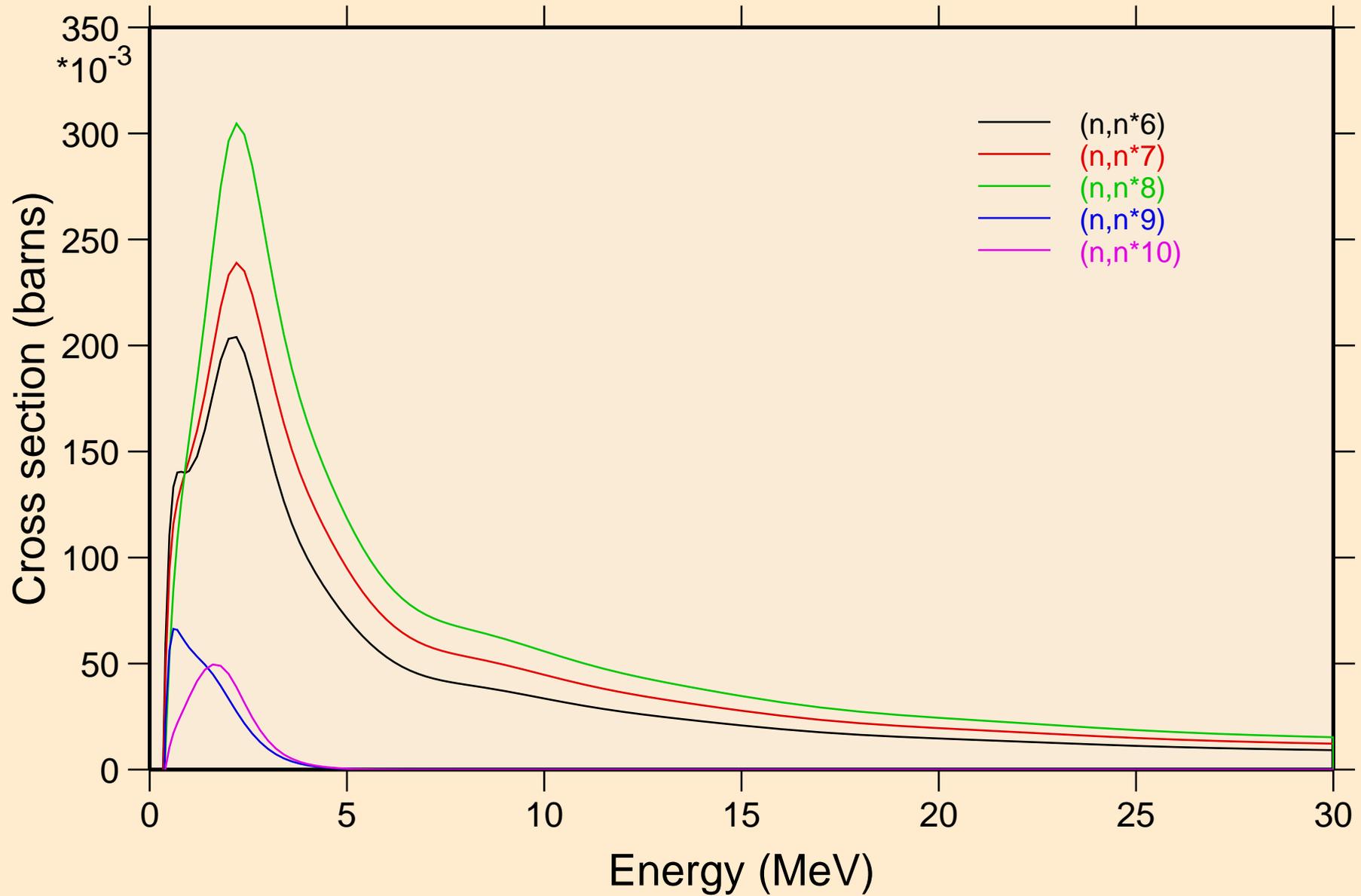
## Non-threshold reactions



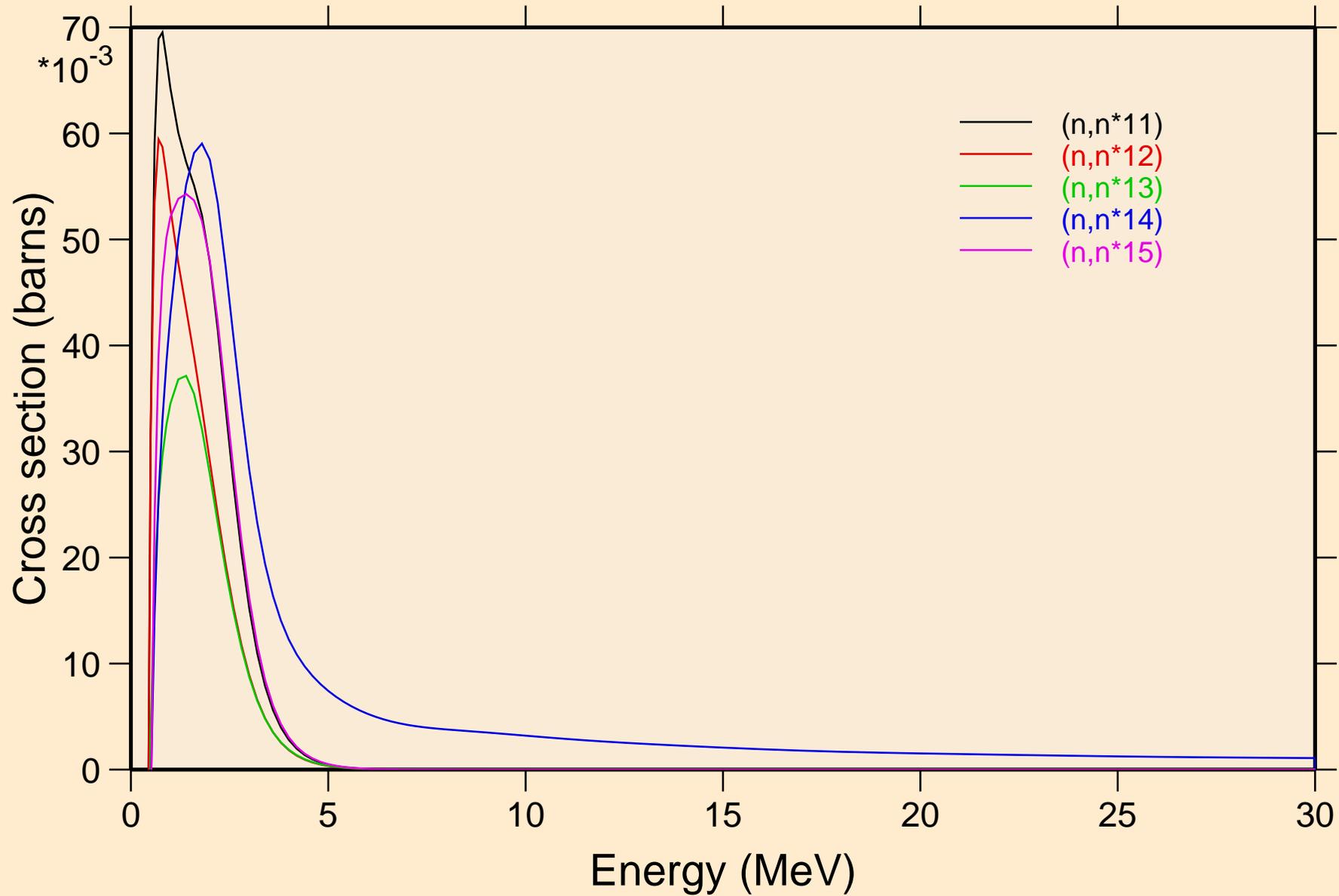
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



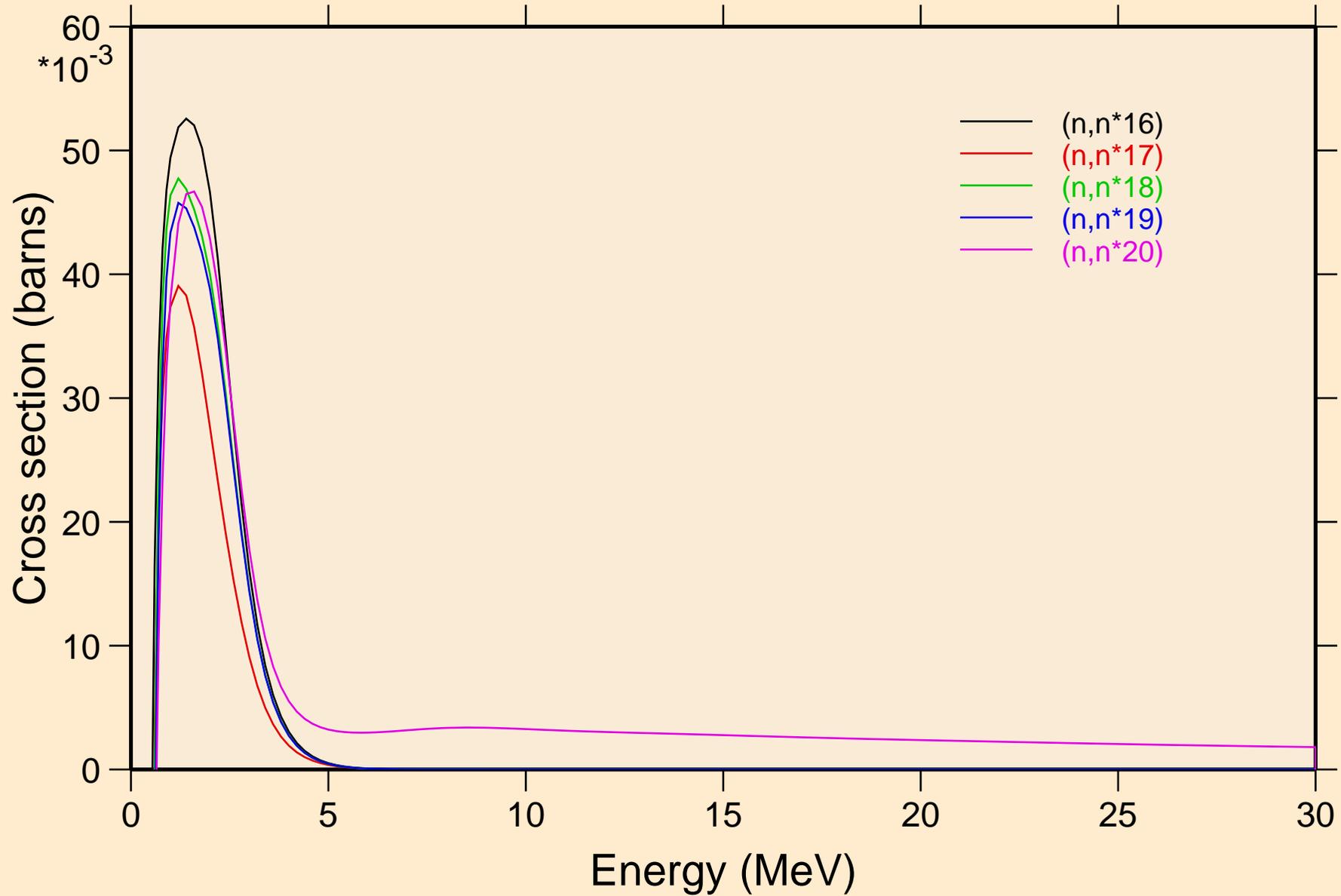
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



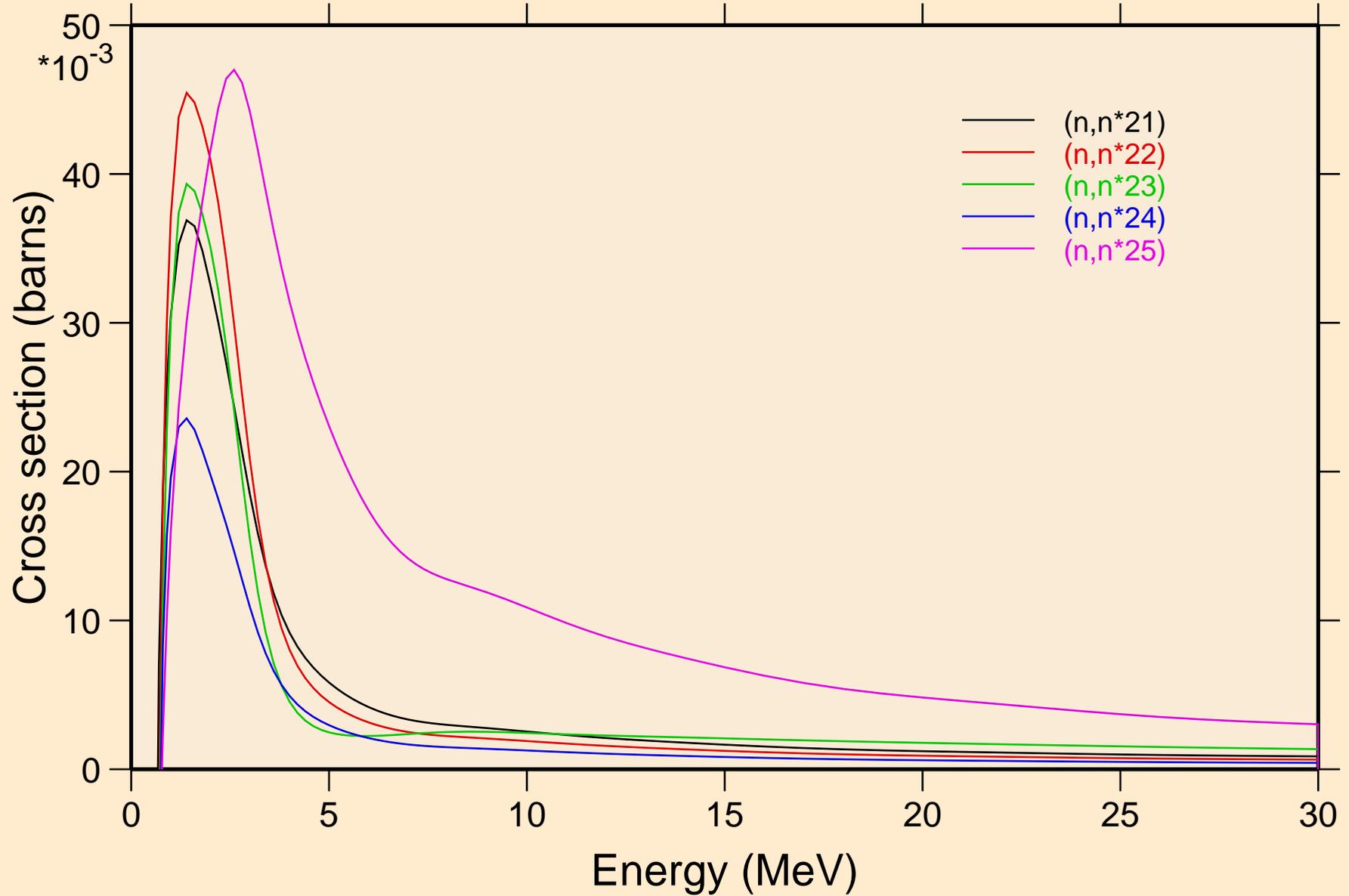
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



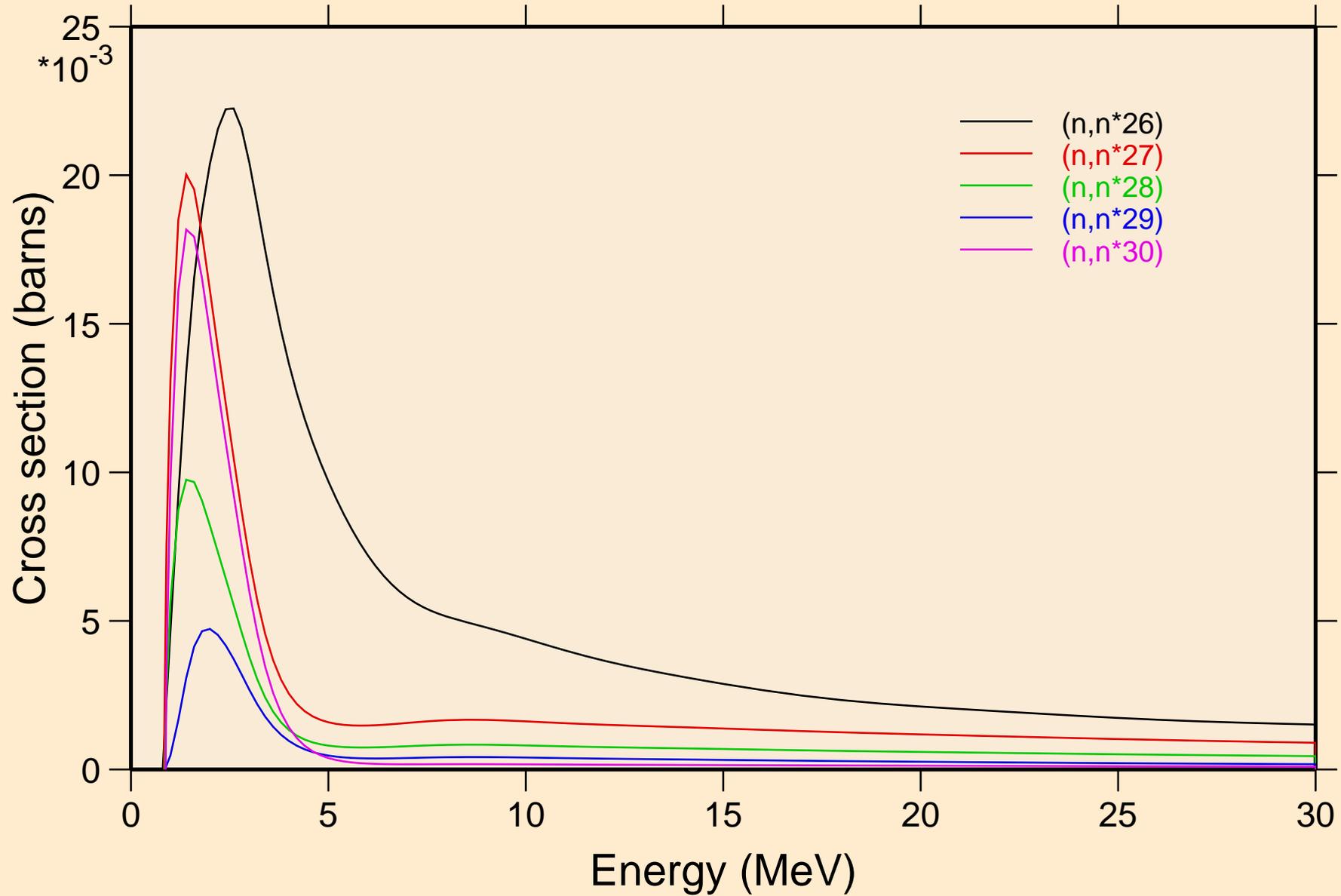
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



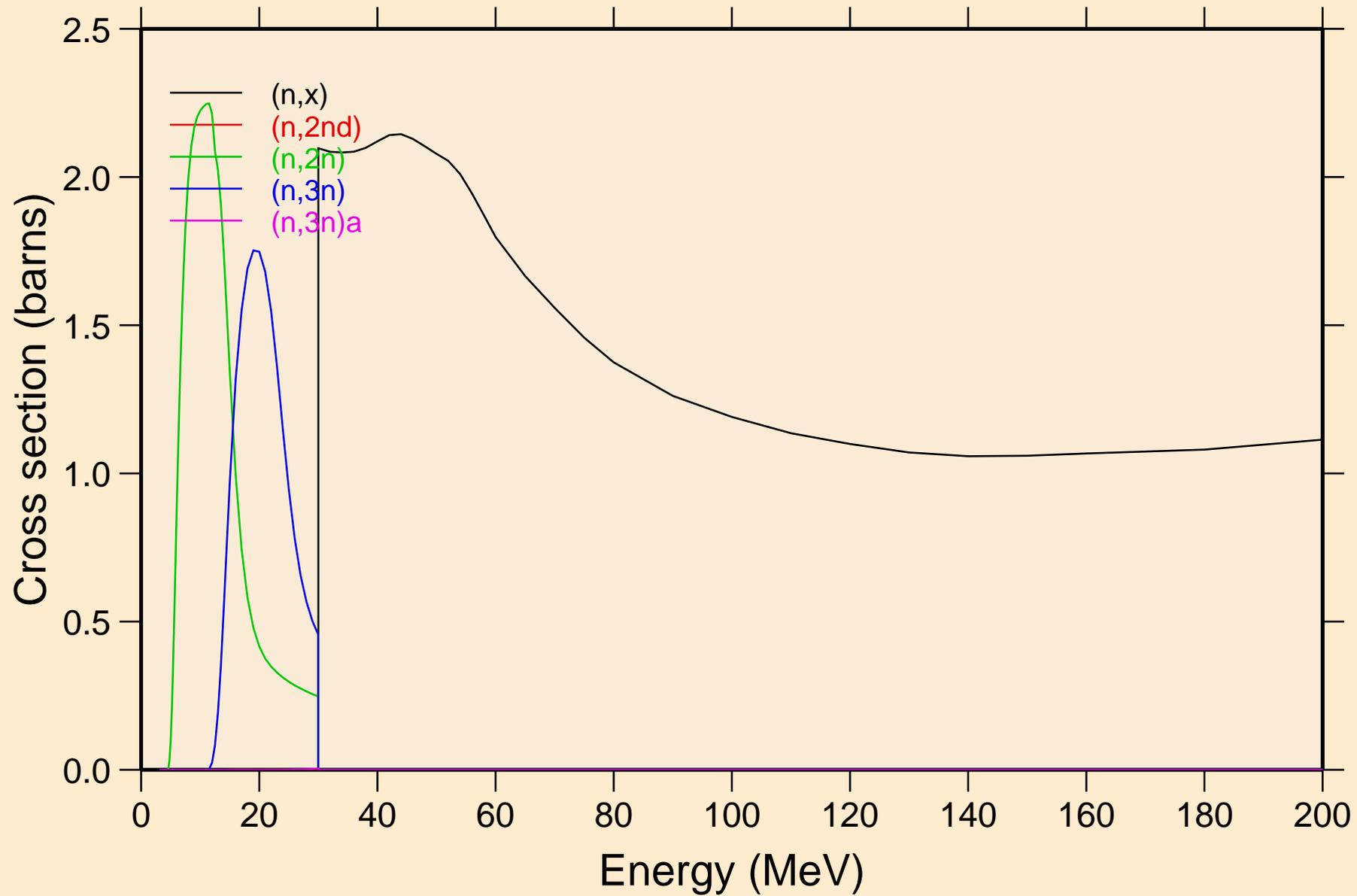
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



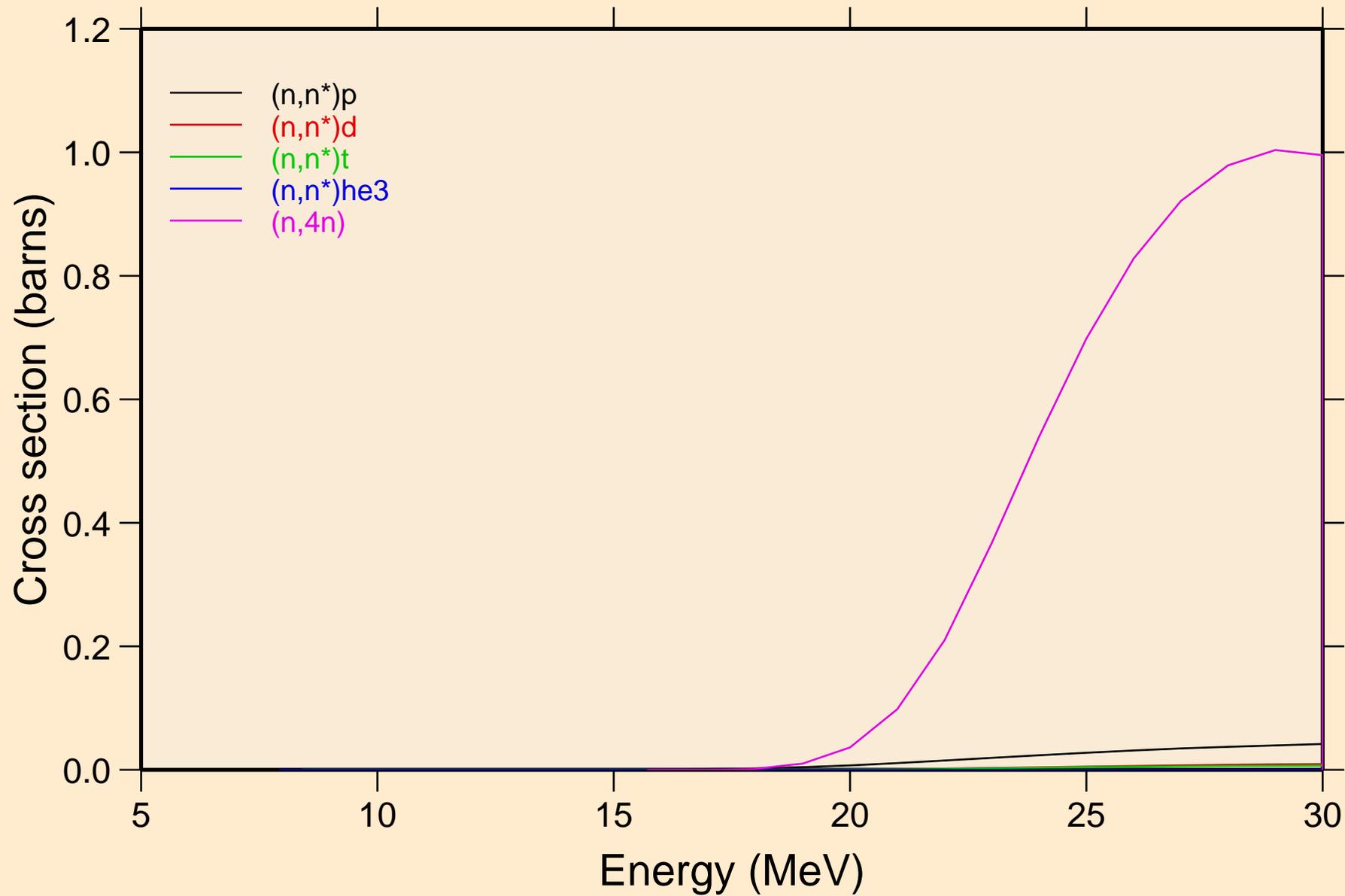
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



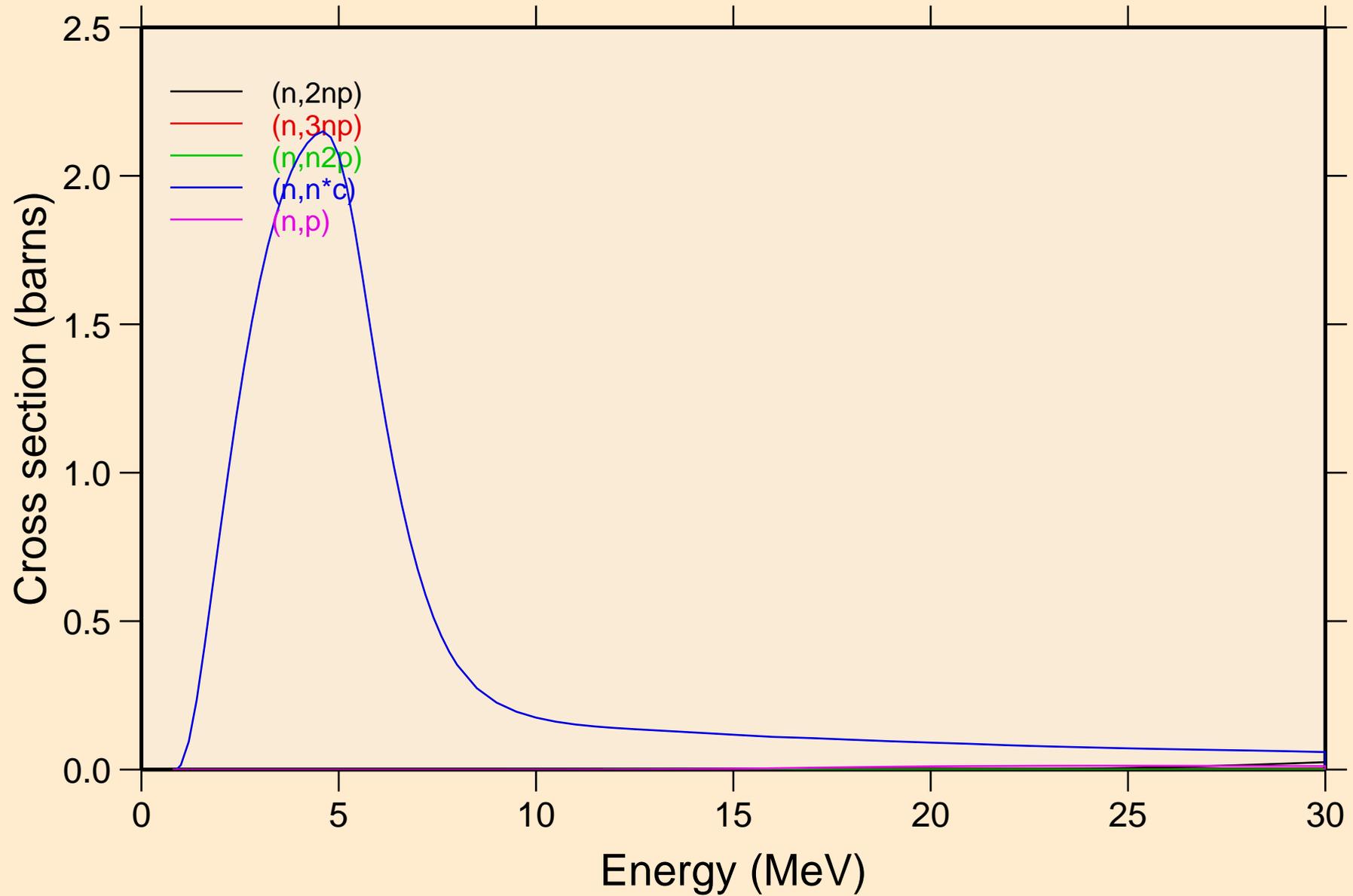
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

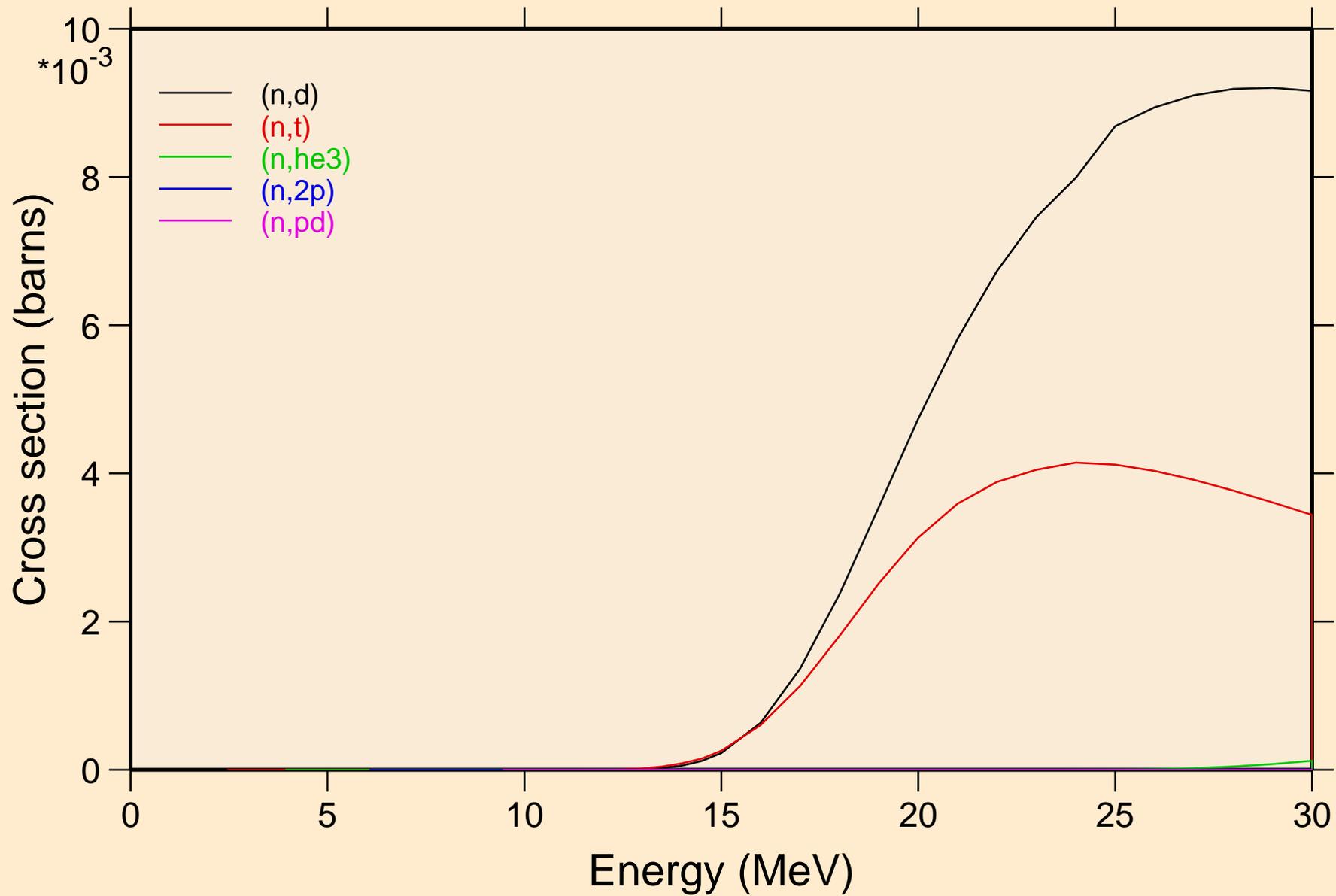


RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



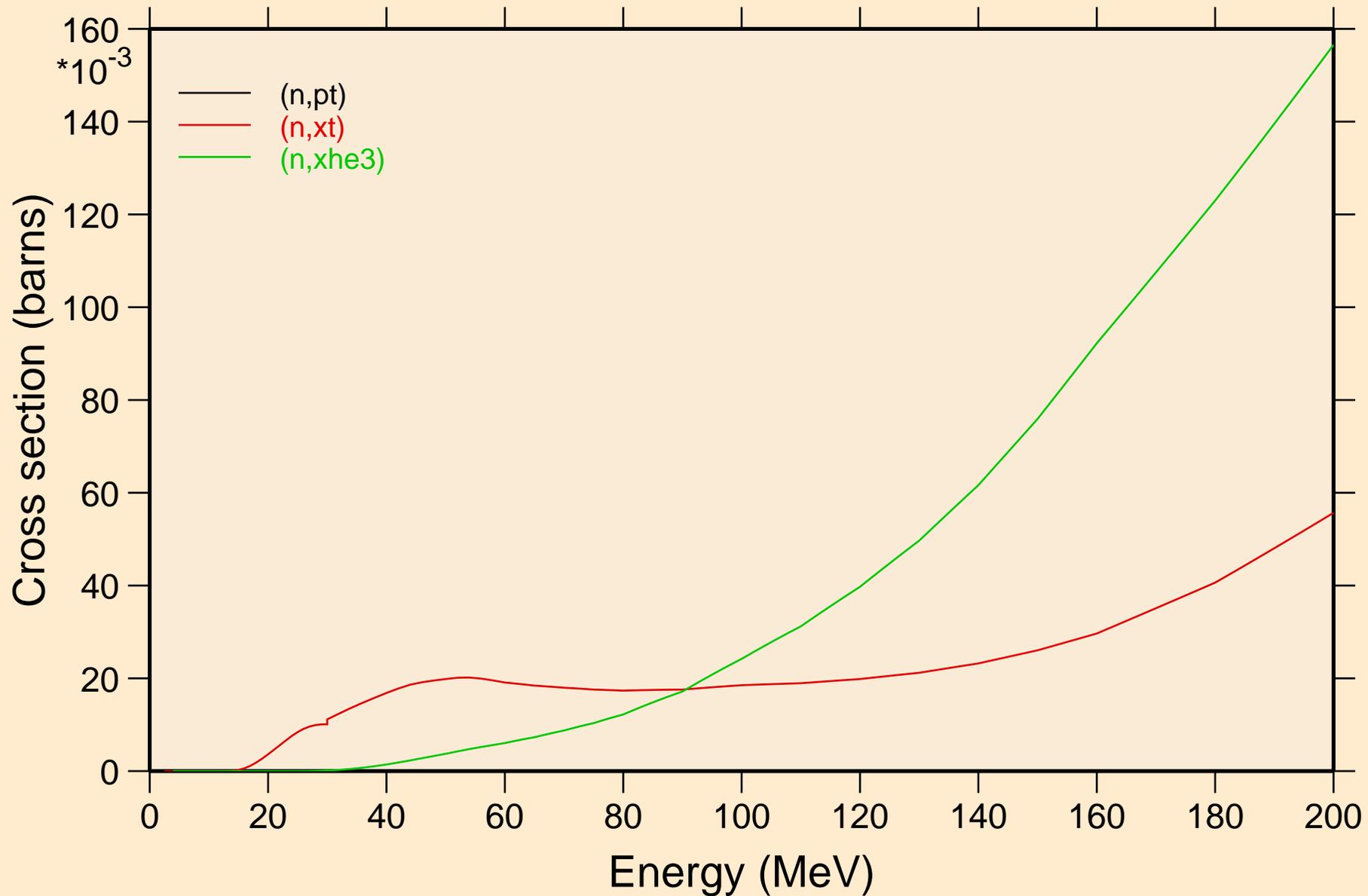
# RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions

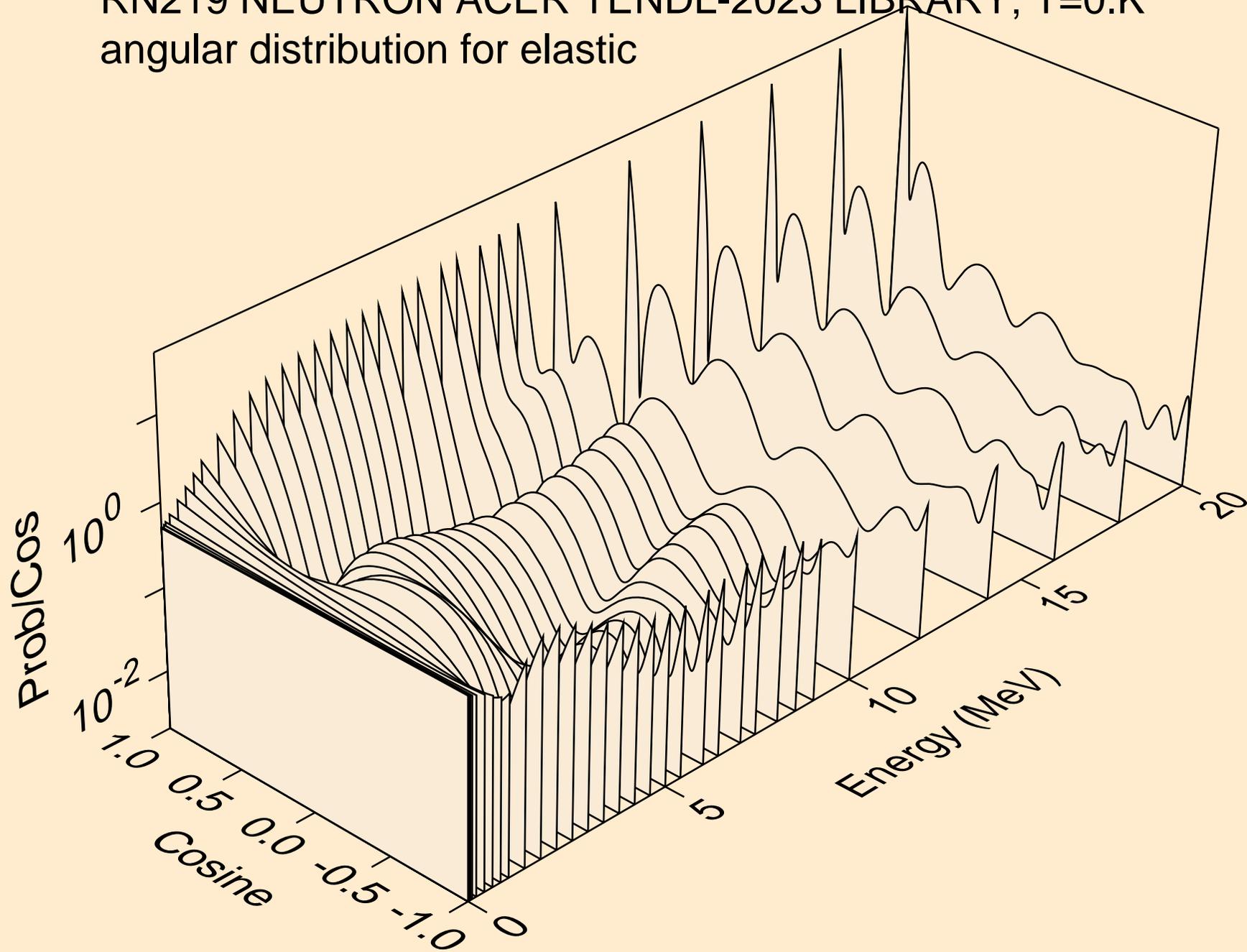


# RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

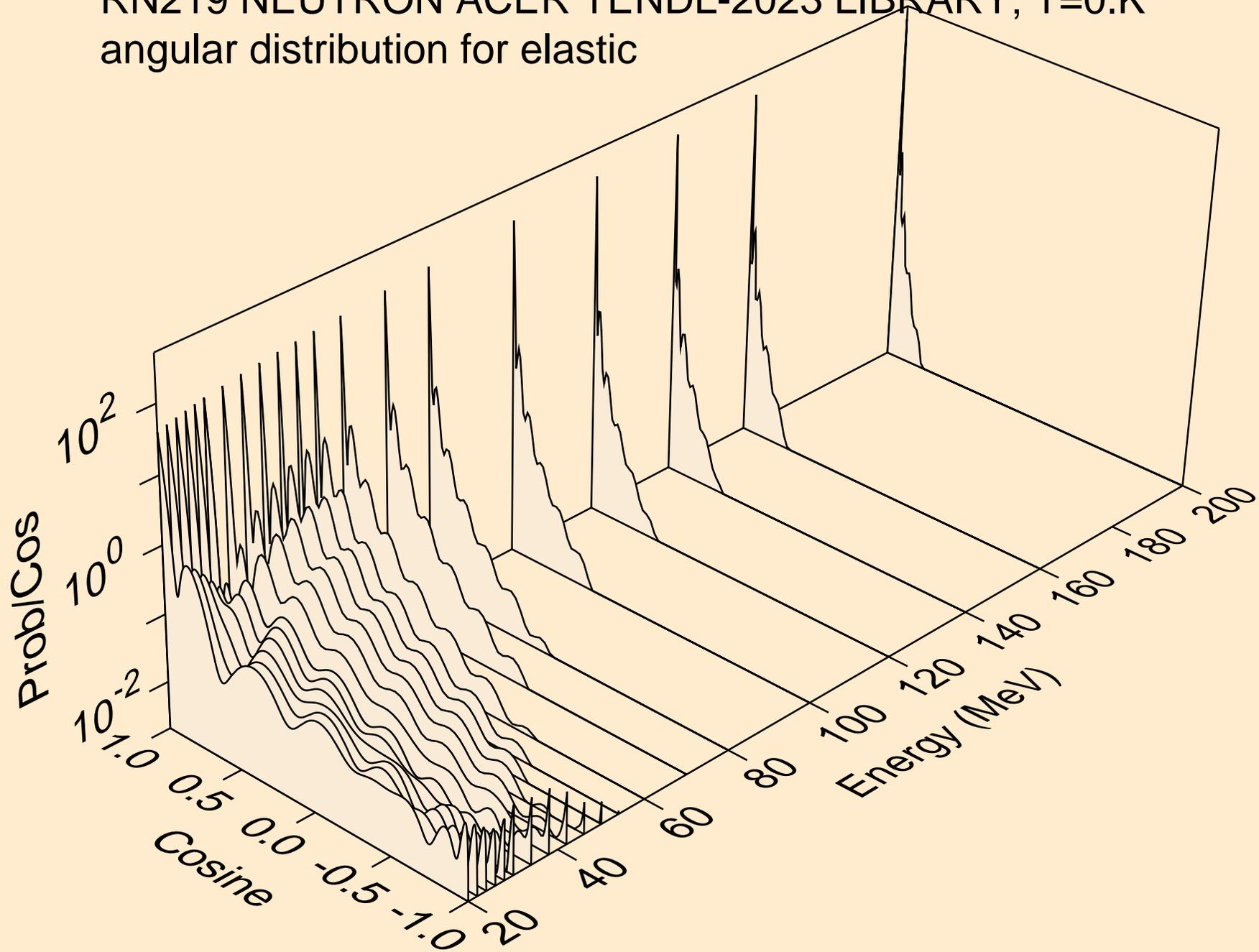
## Threshold reactions



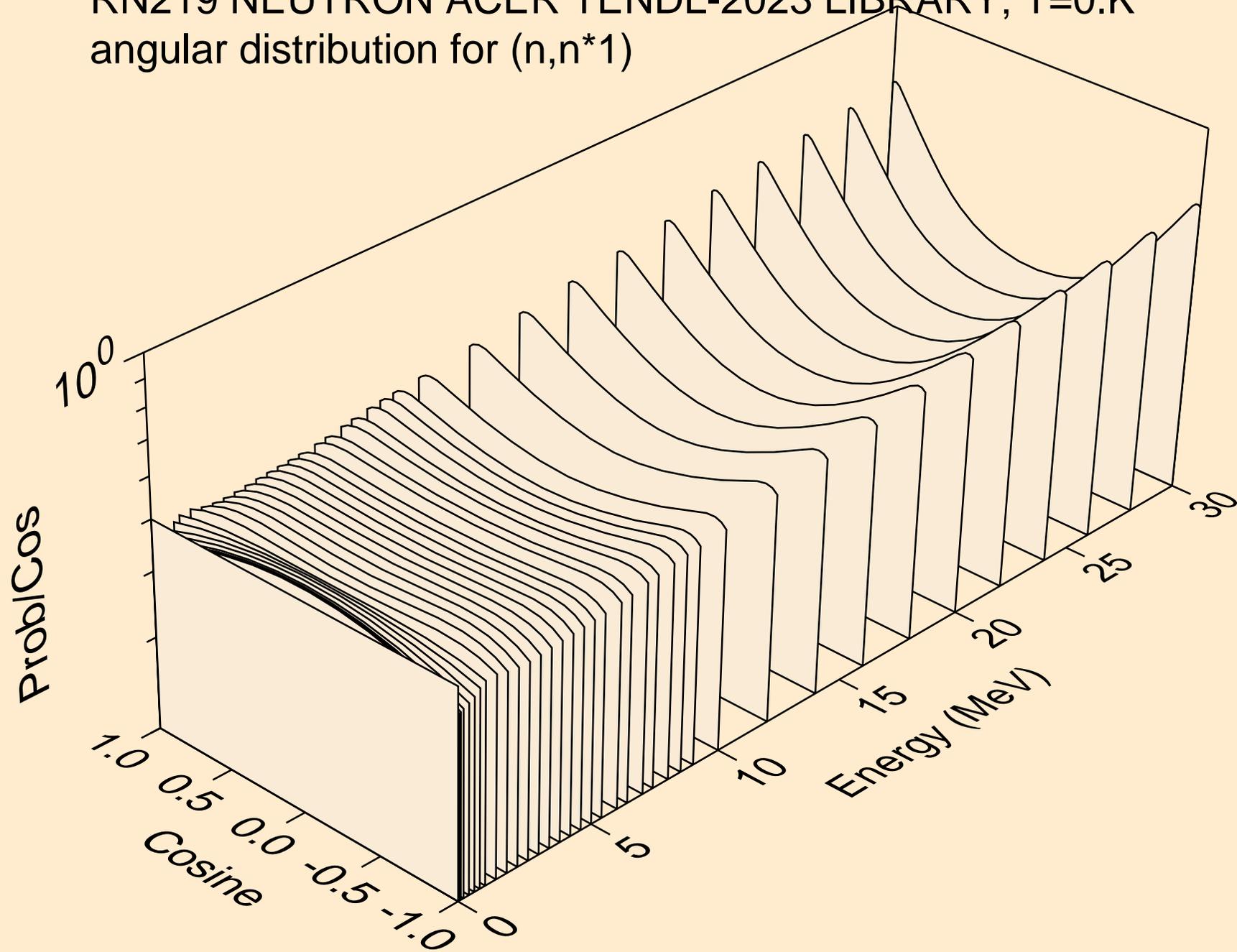
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



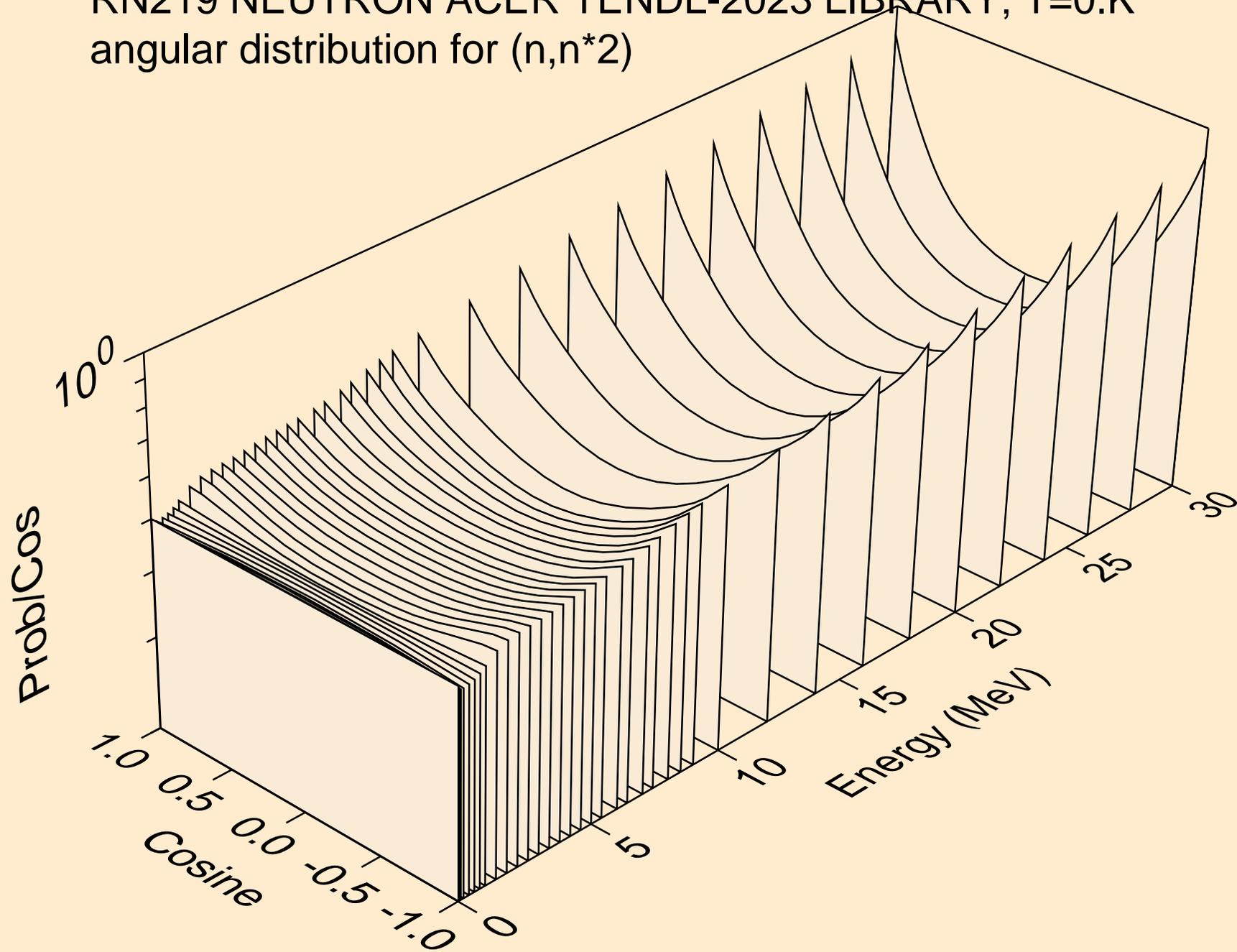
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



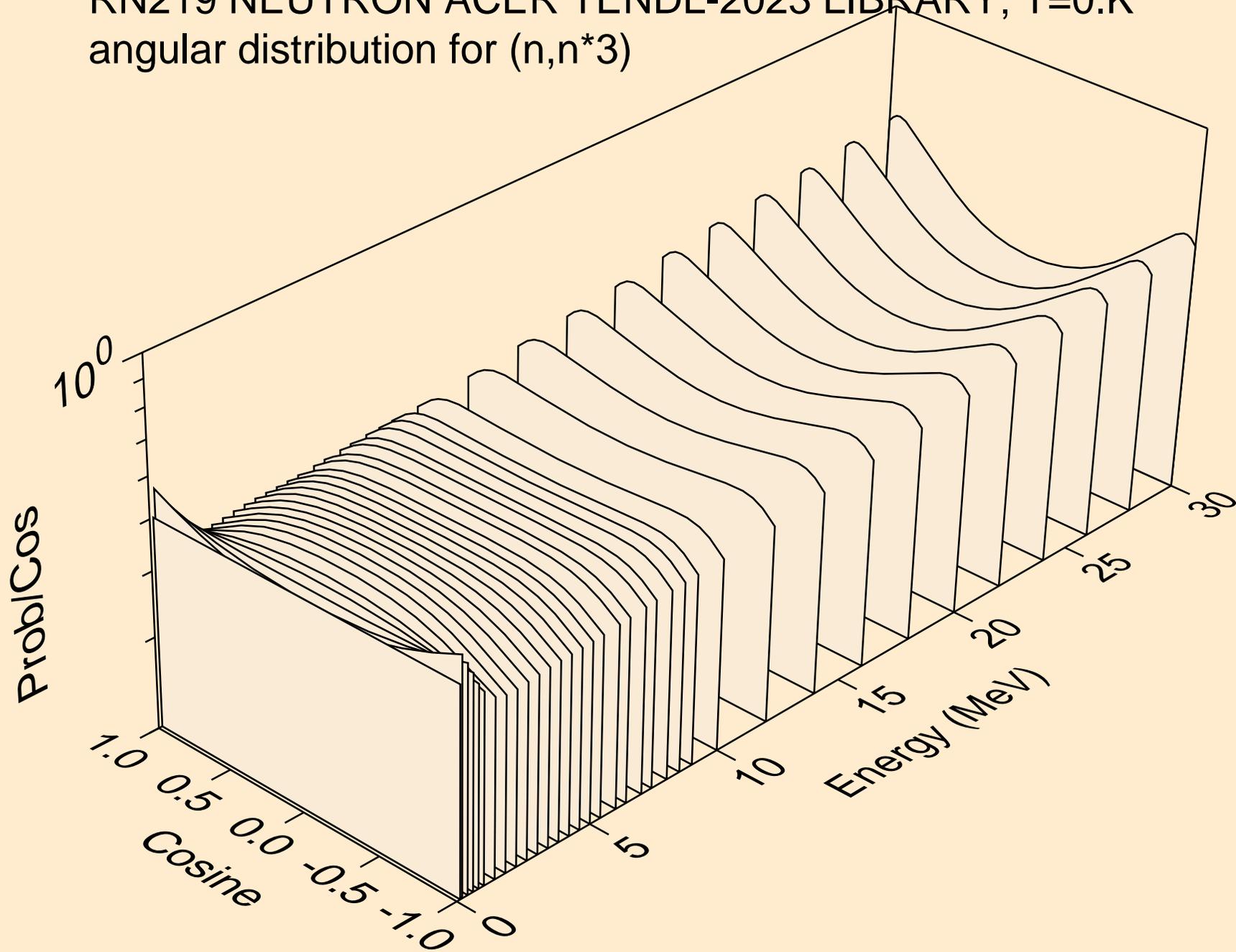
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



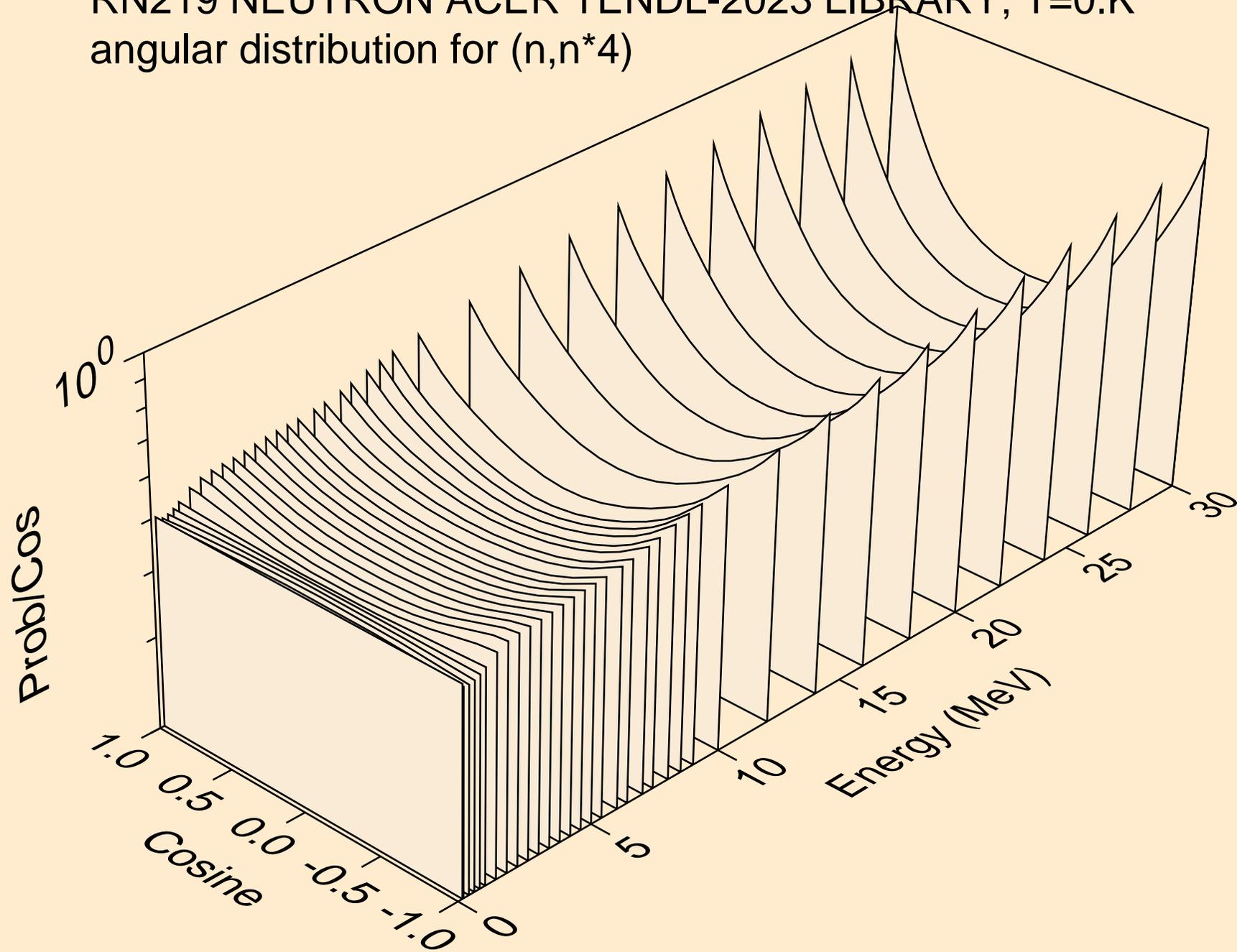
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*2)



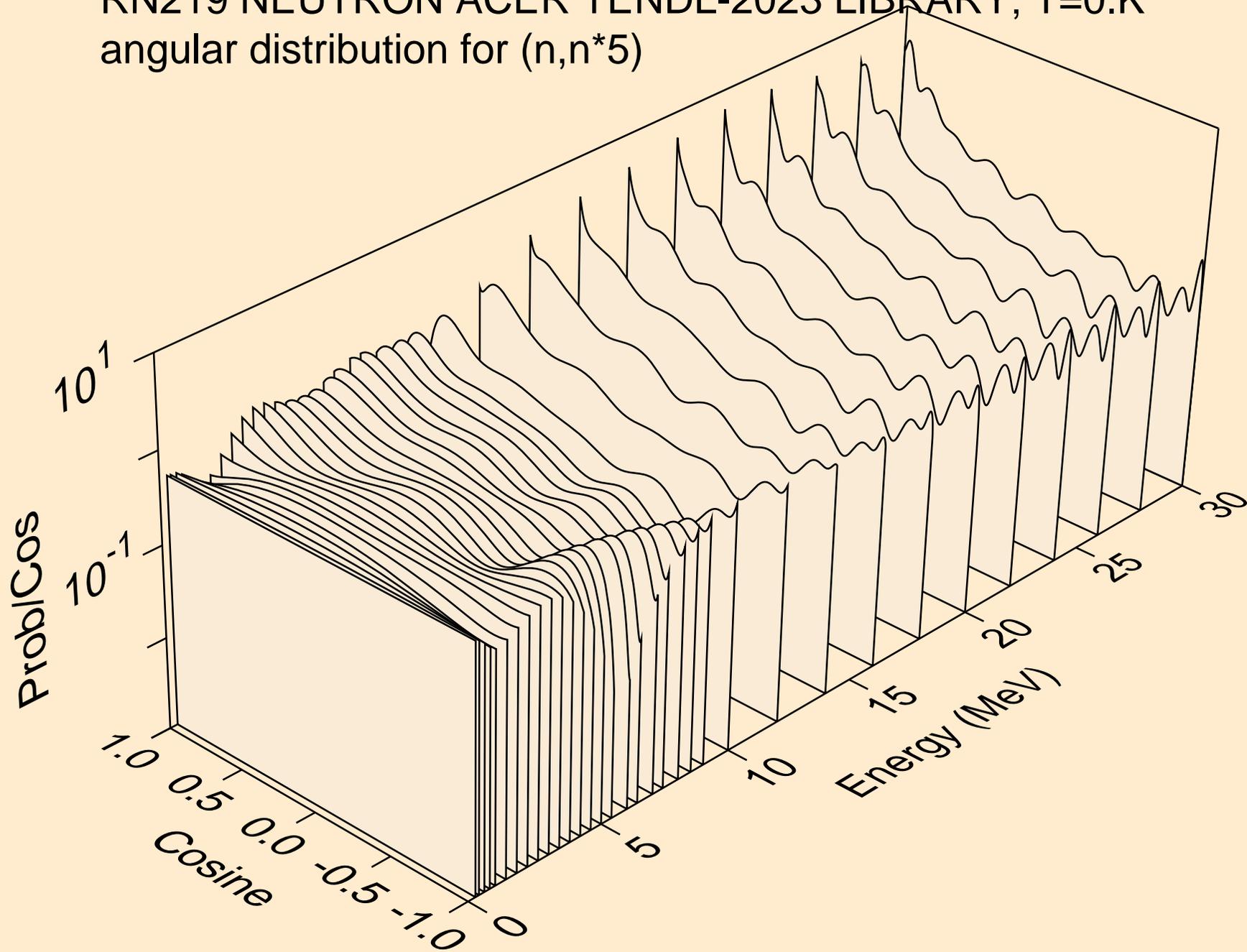
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*3)



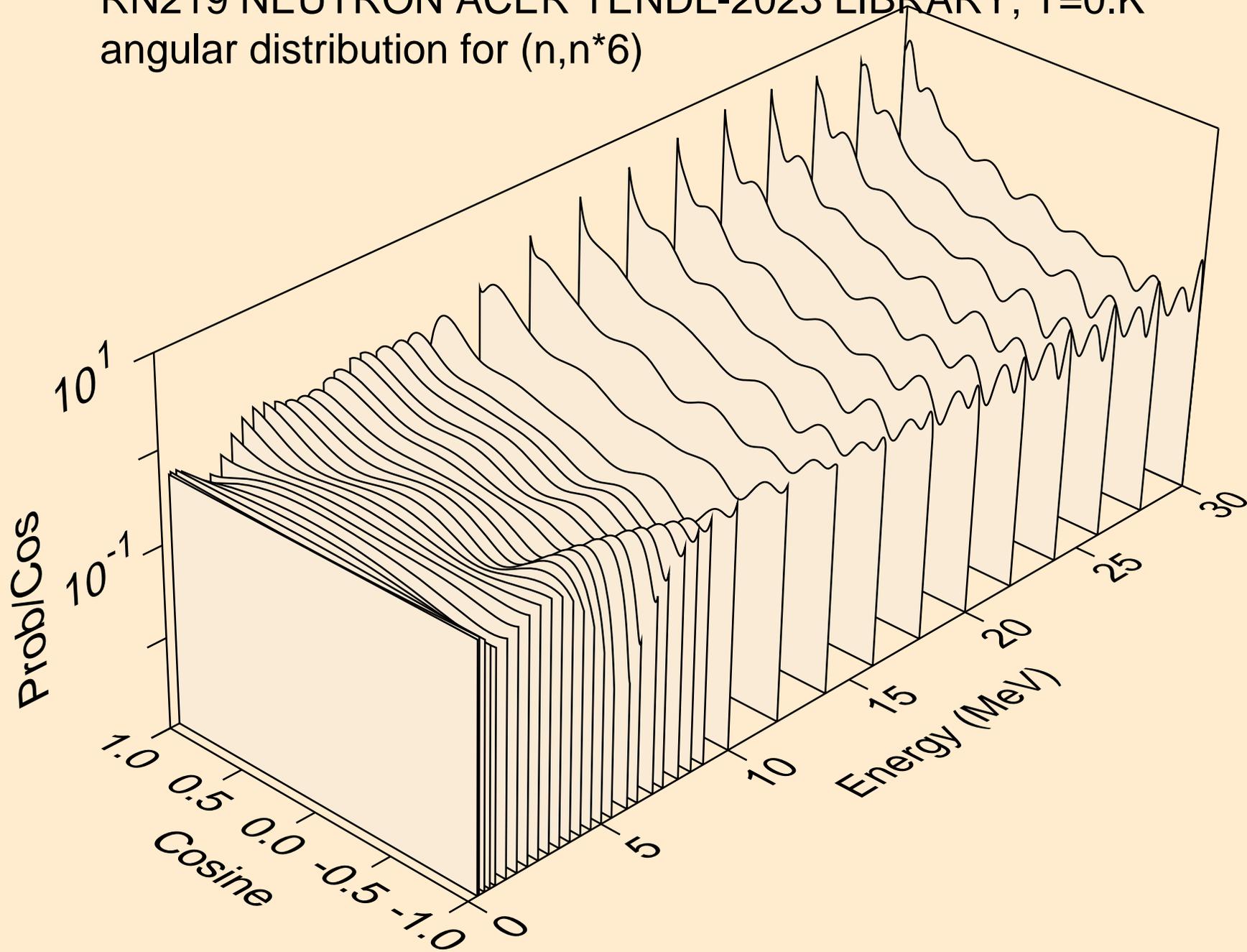
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*4)



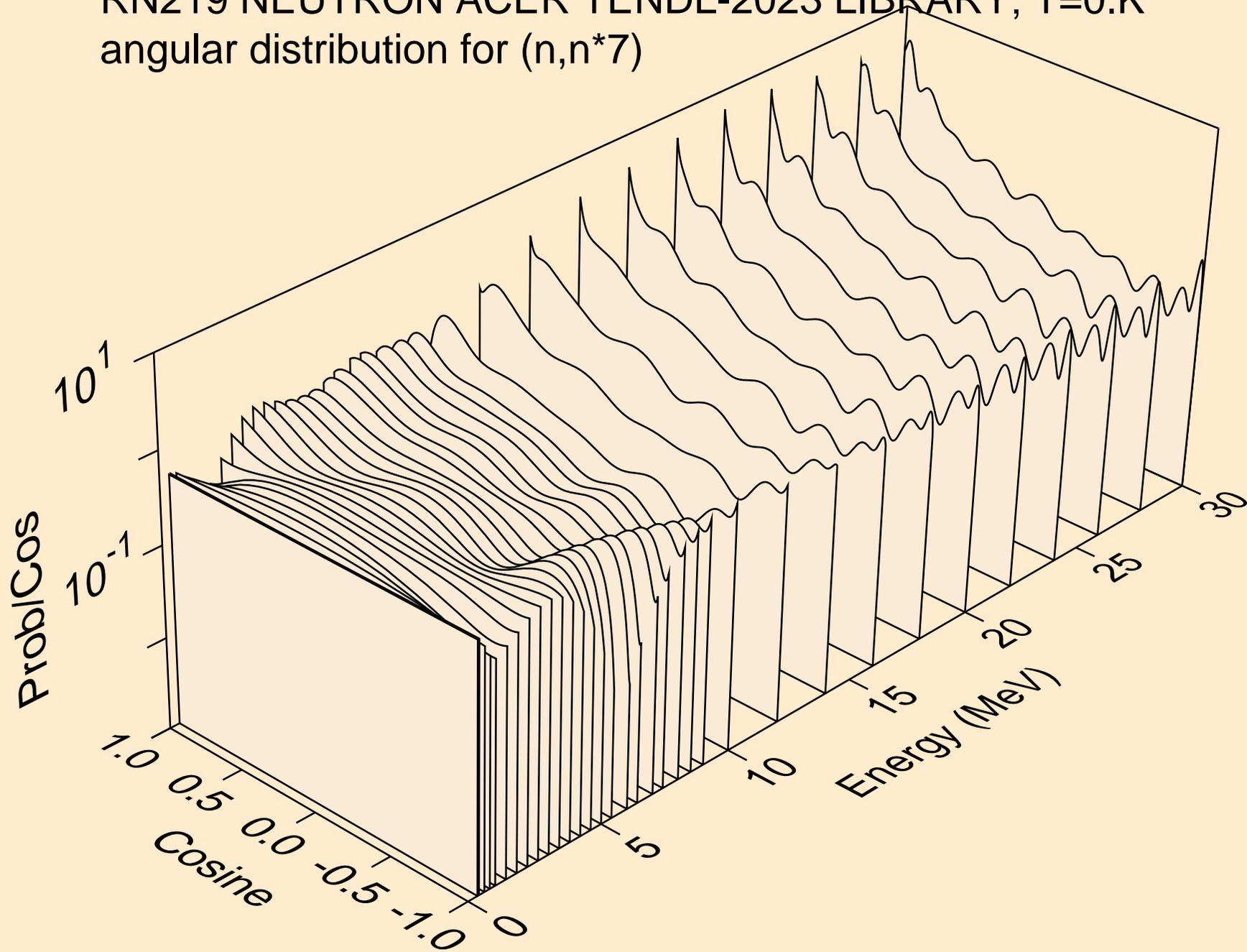
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*5)



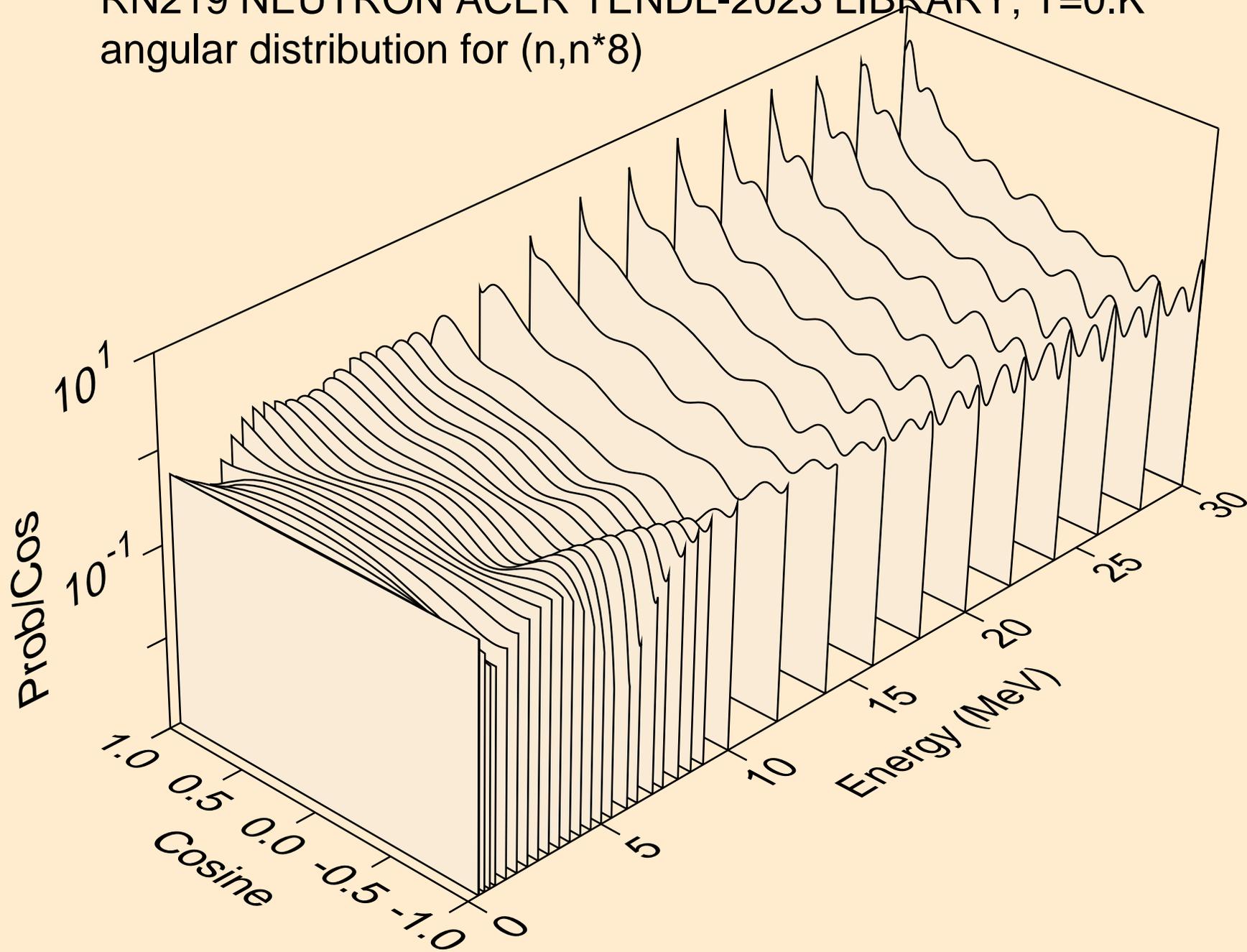
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*6)



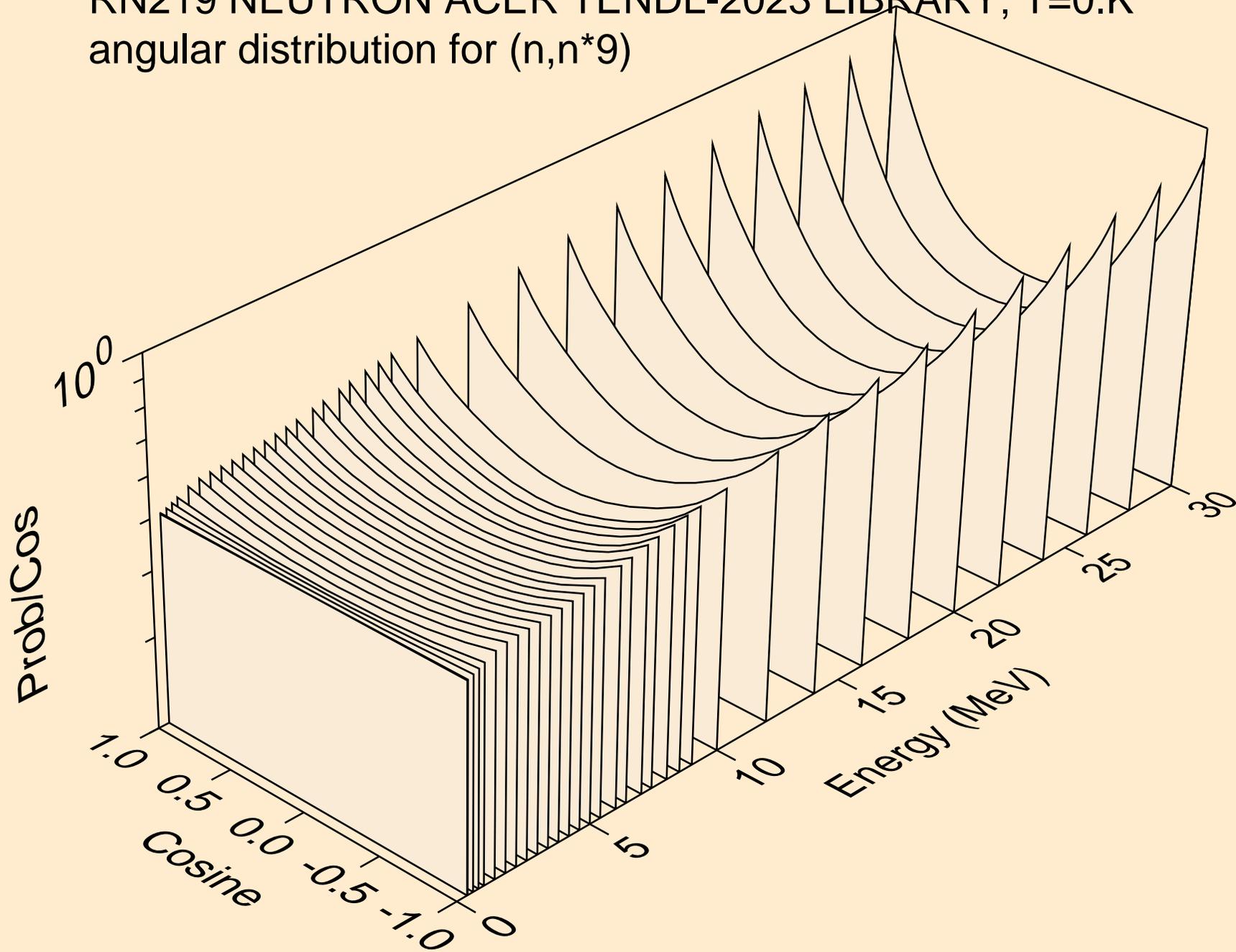
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*7)



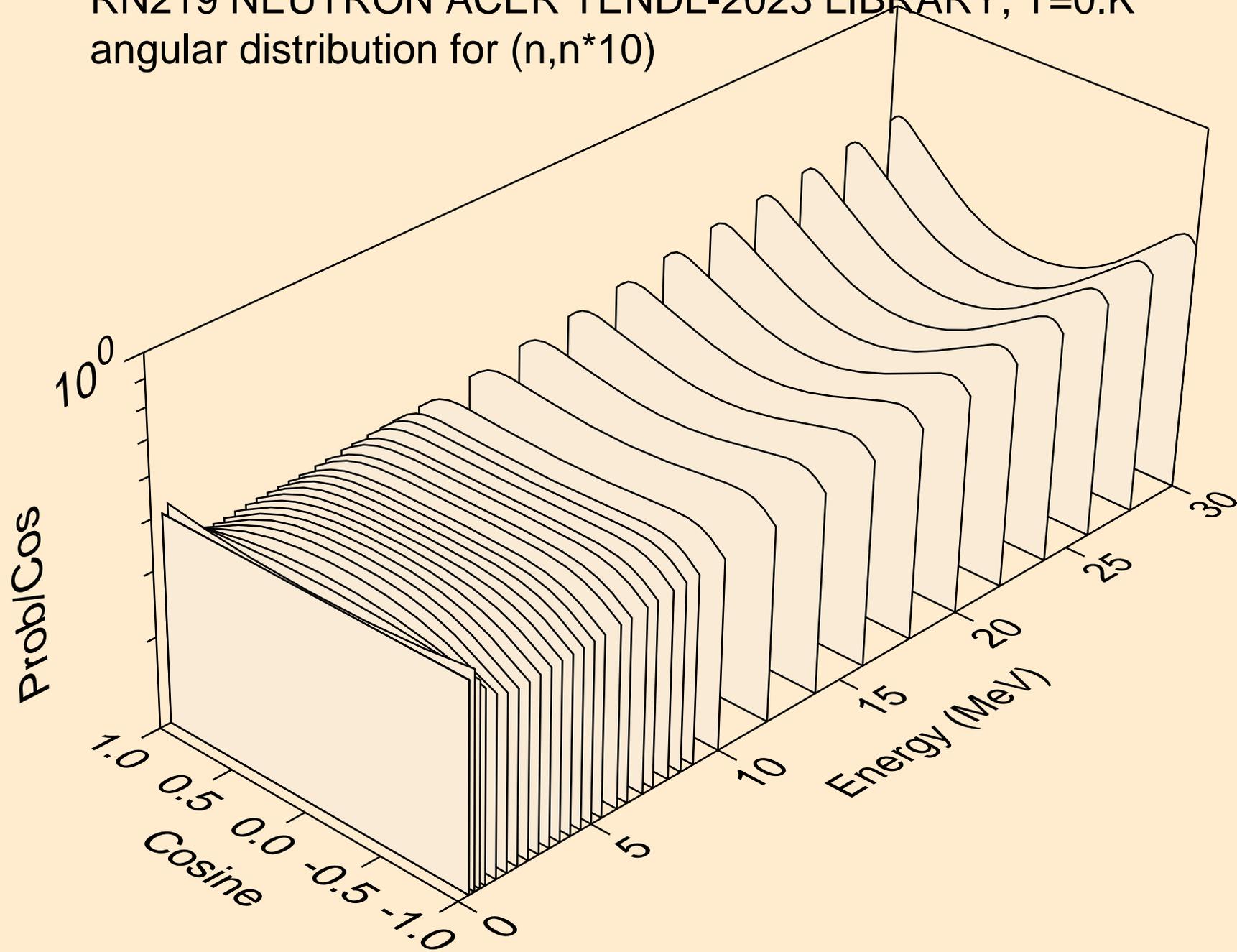
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*8)



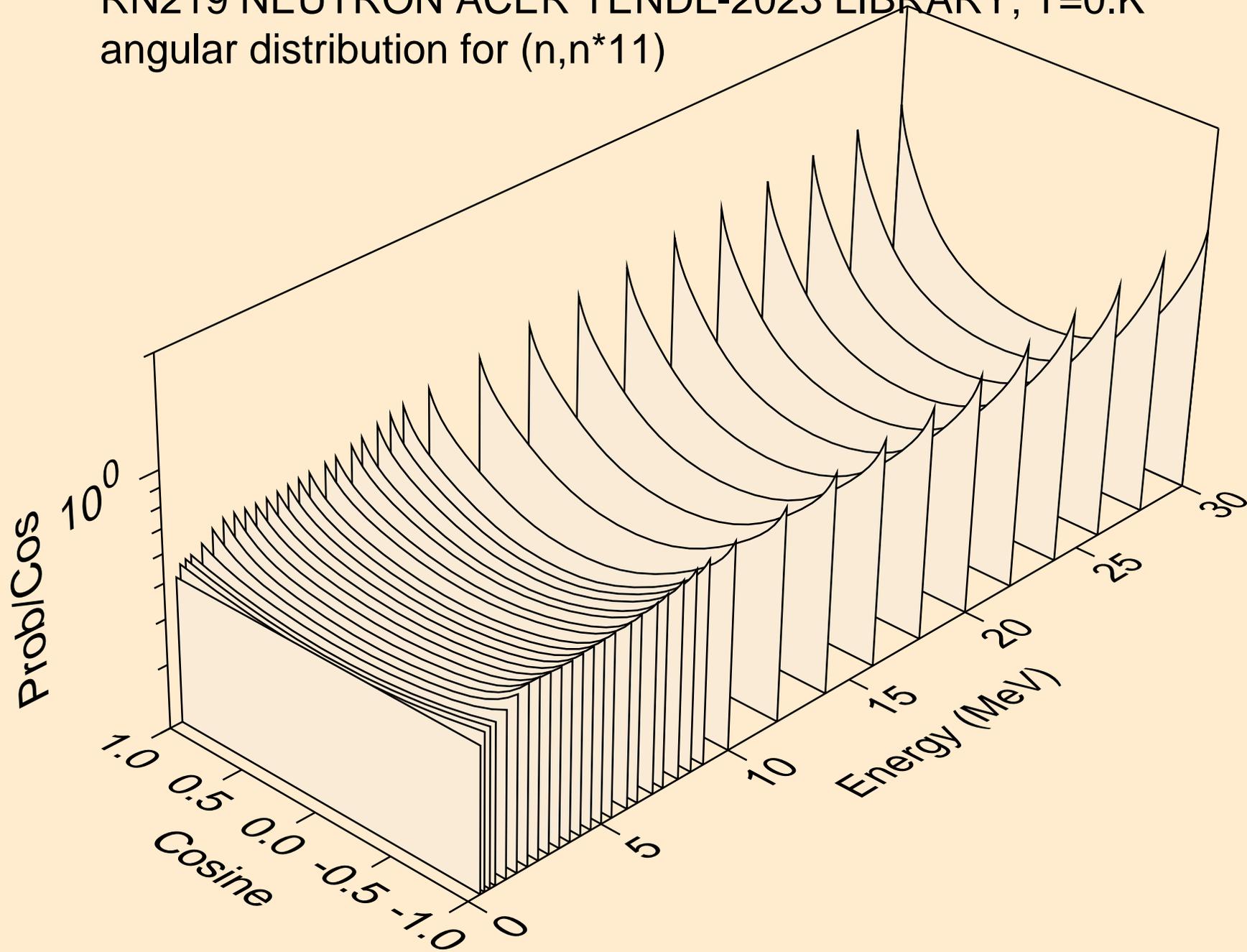
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*9)



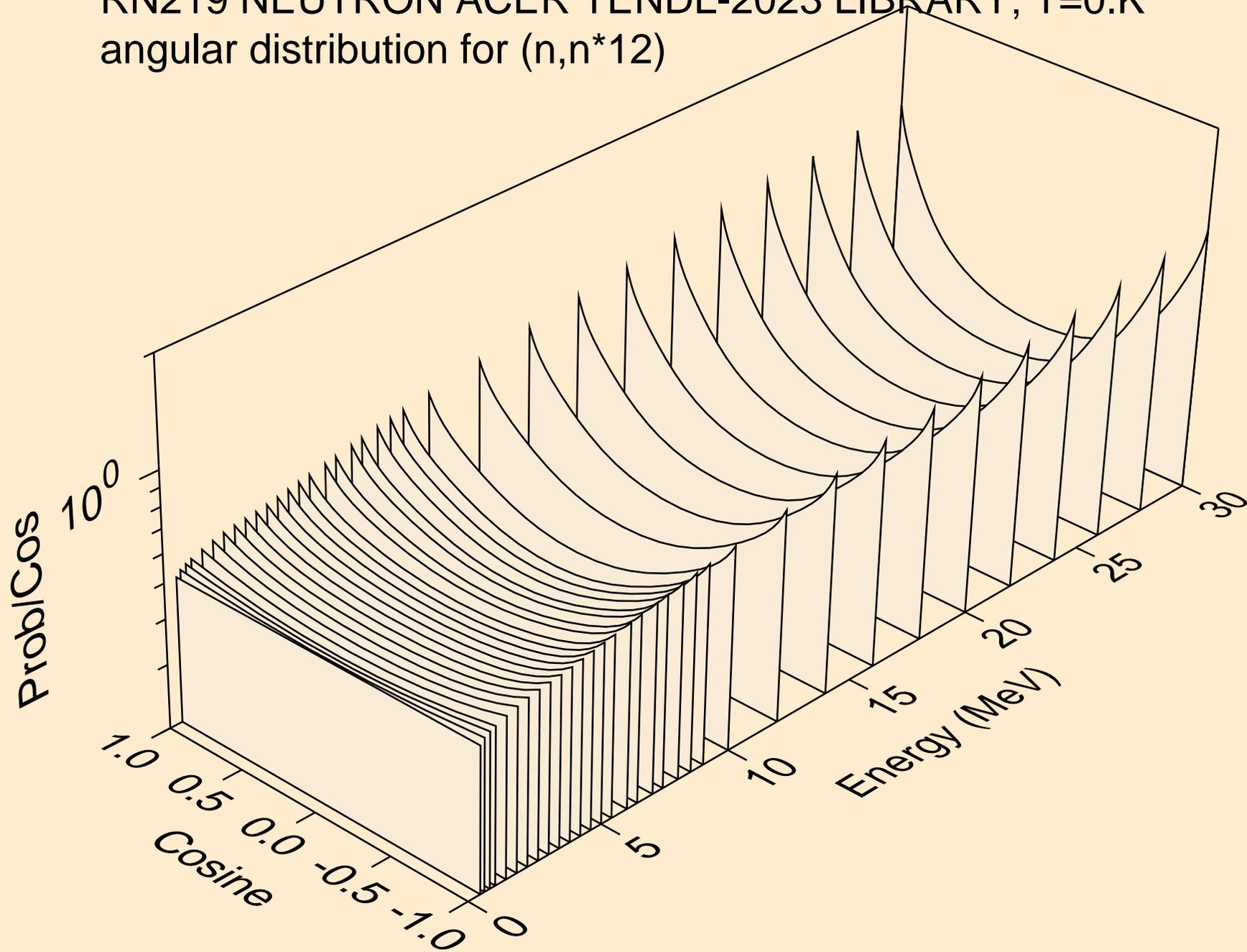
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*10)



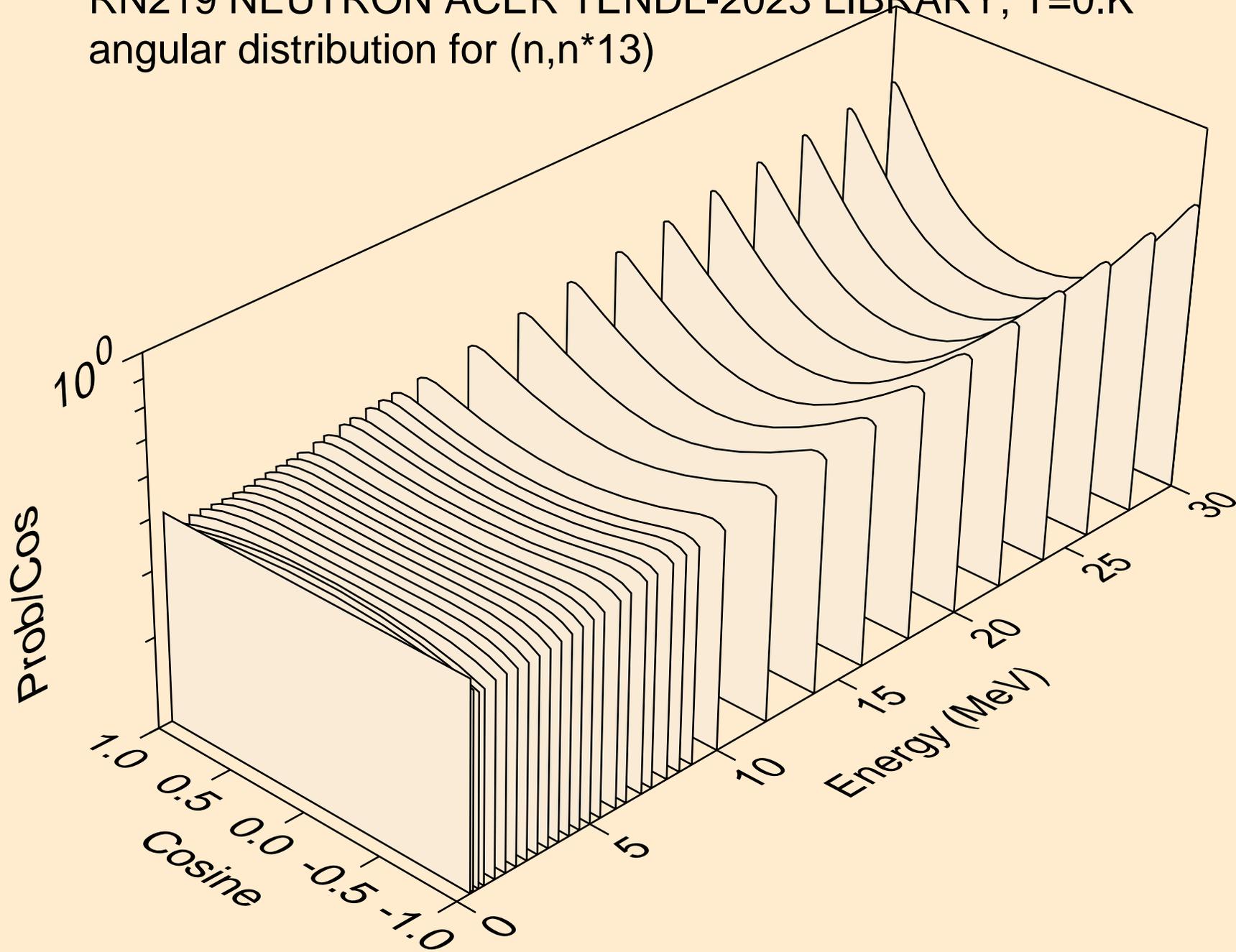
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*11)



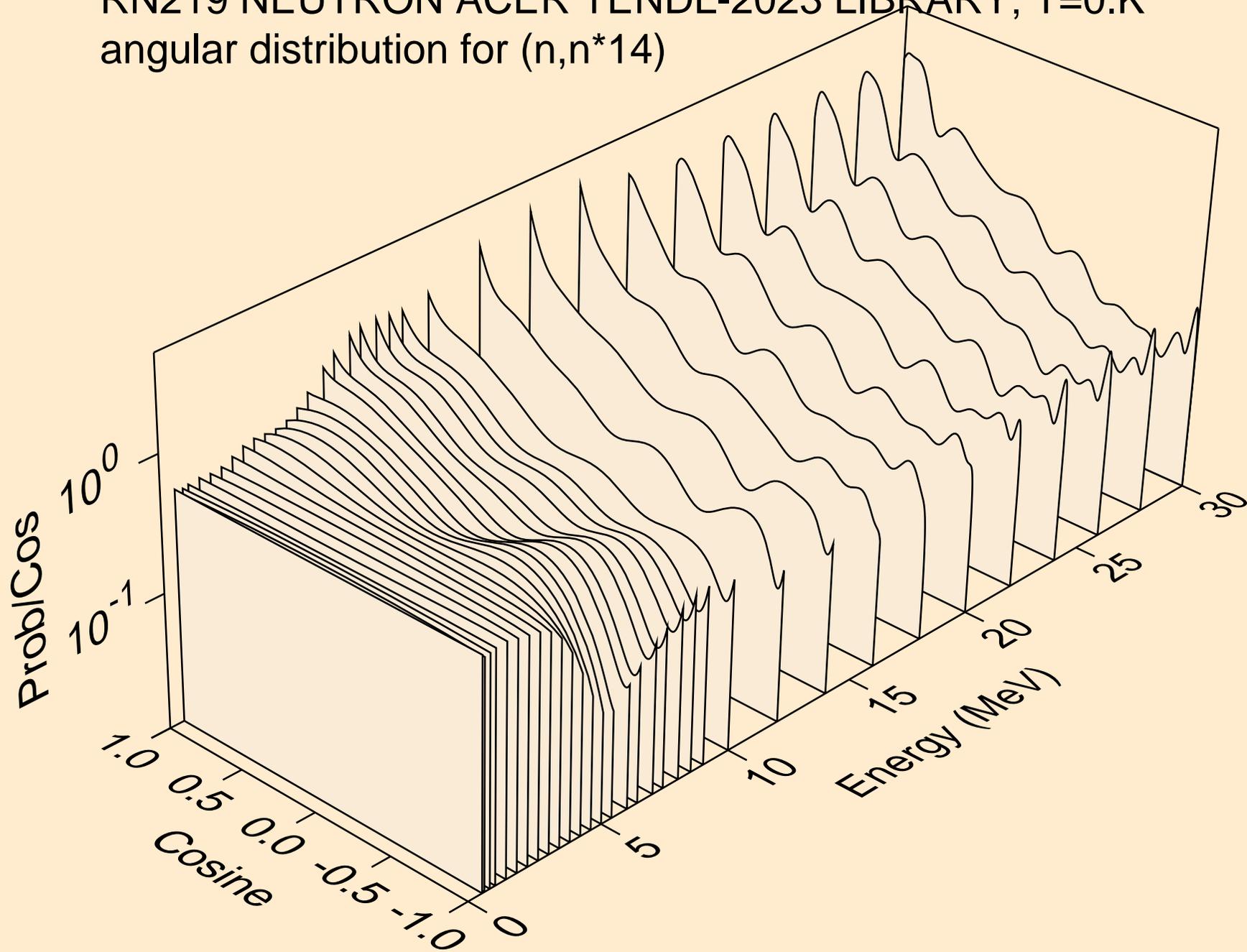
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*12)



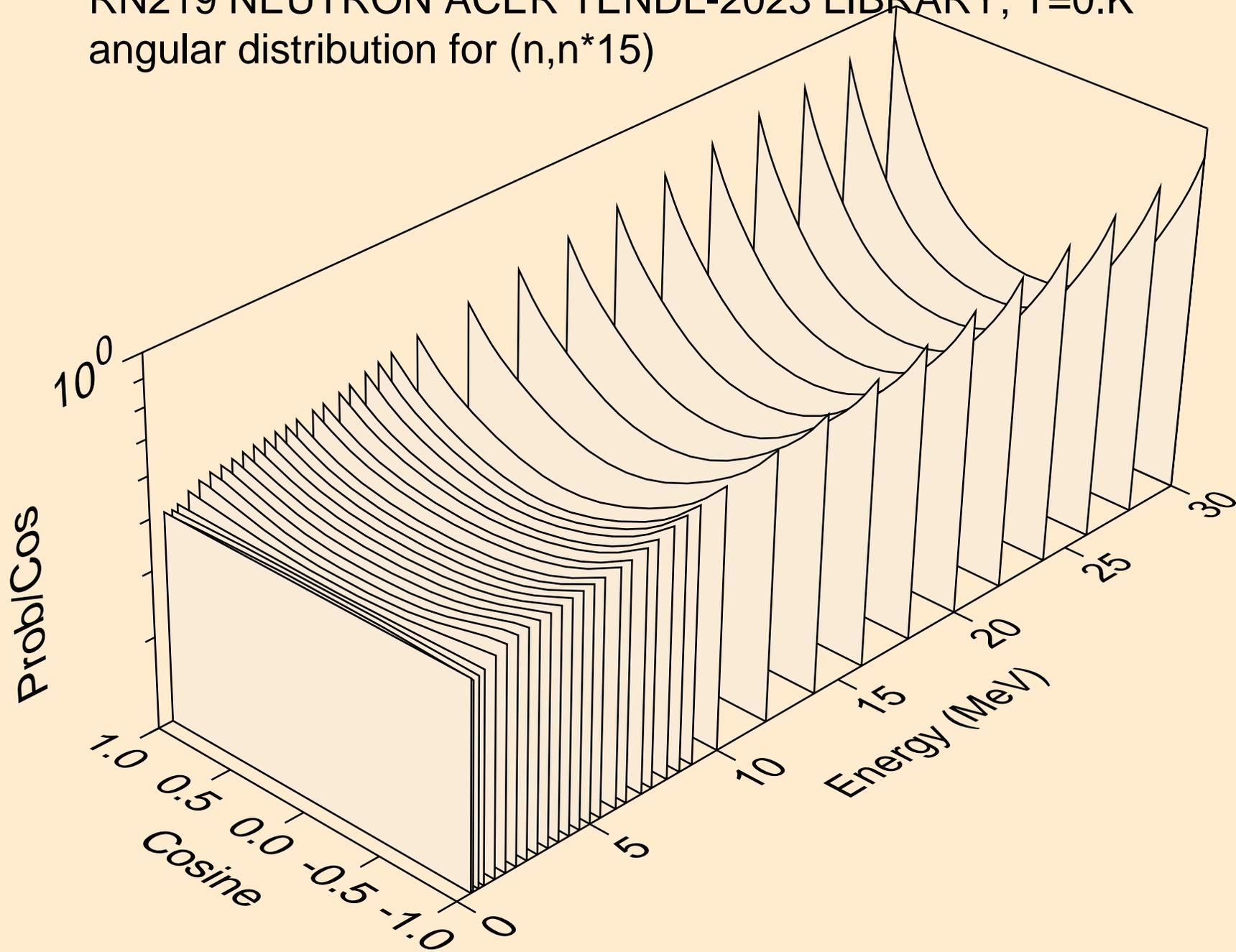
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*13)



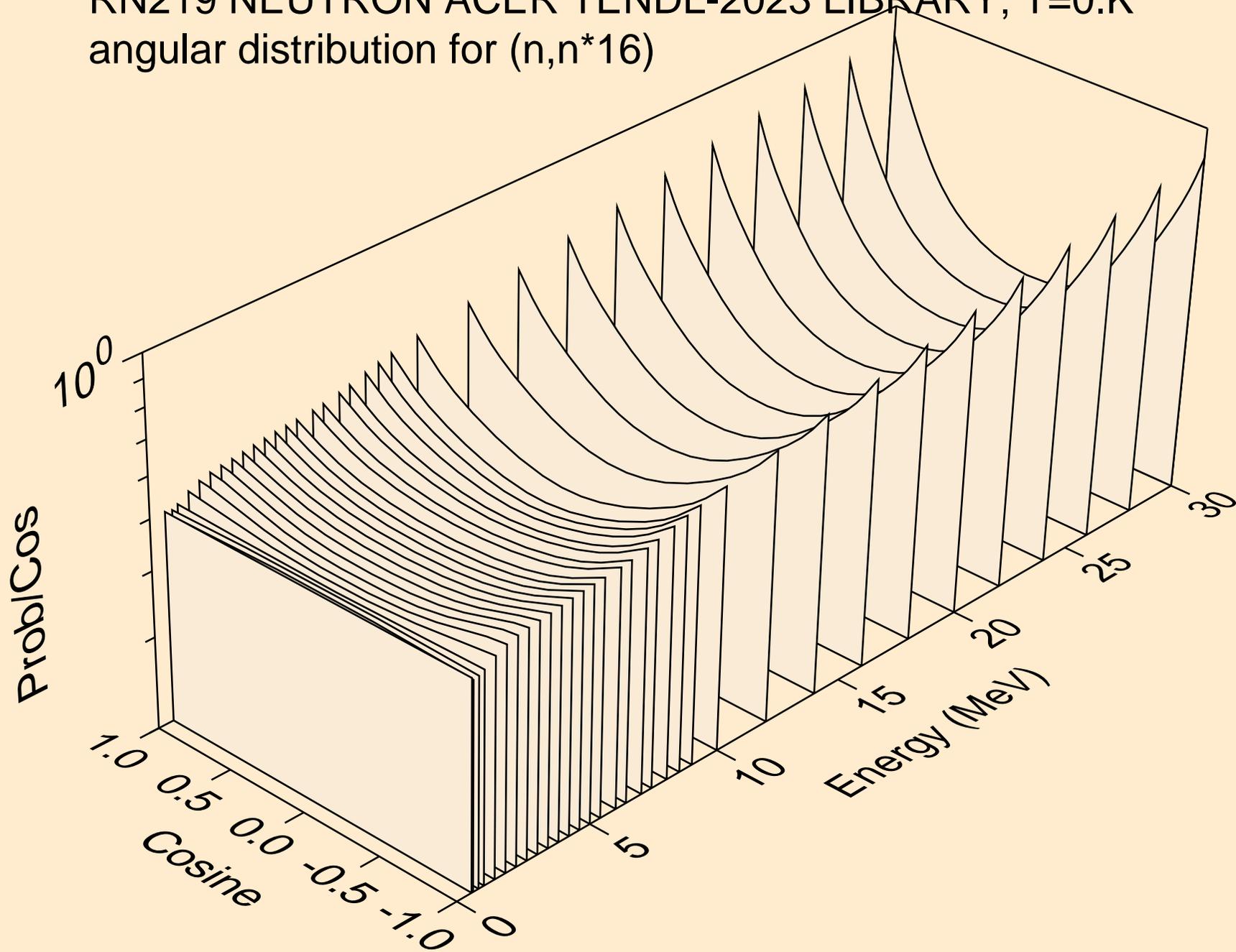
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*14)



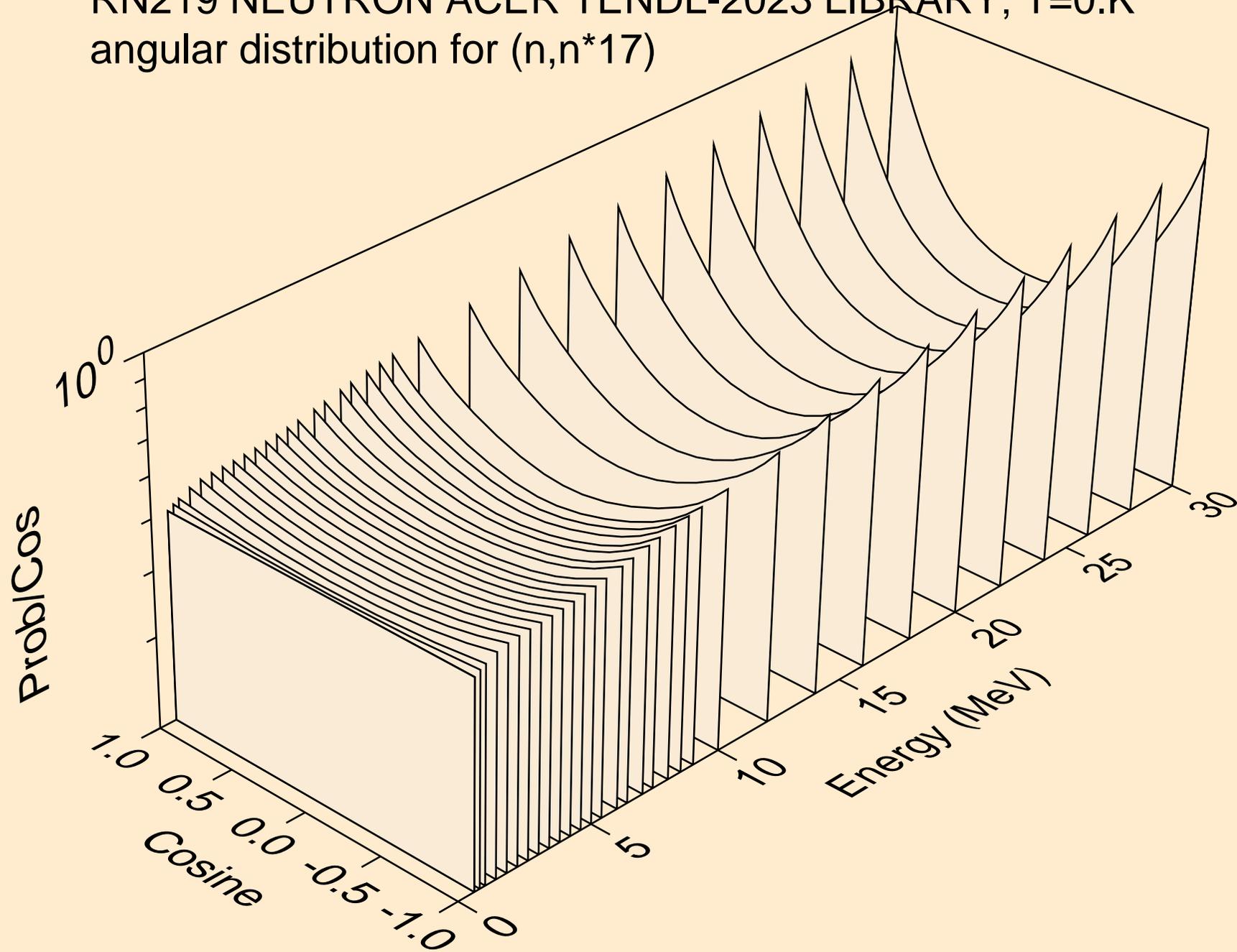
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*15)



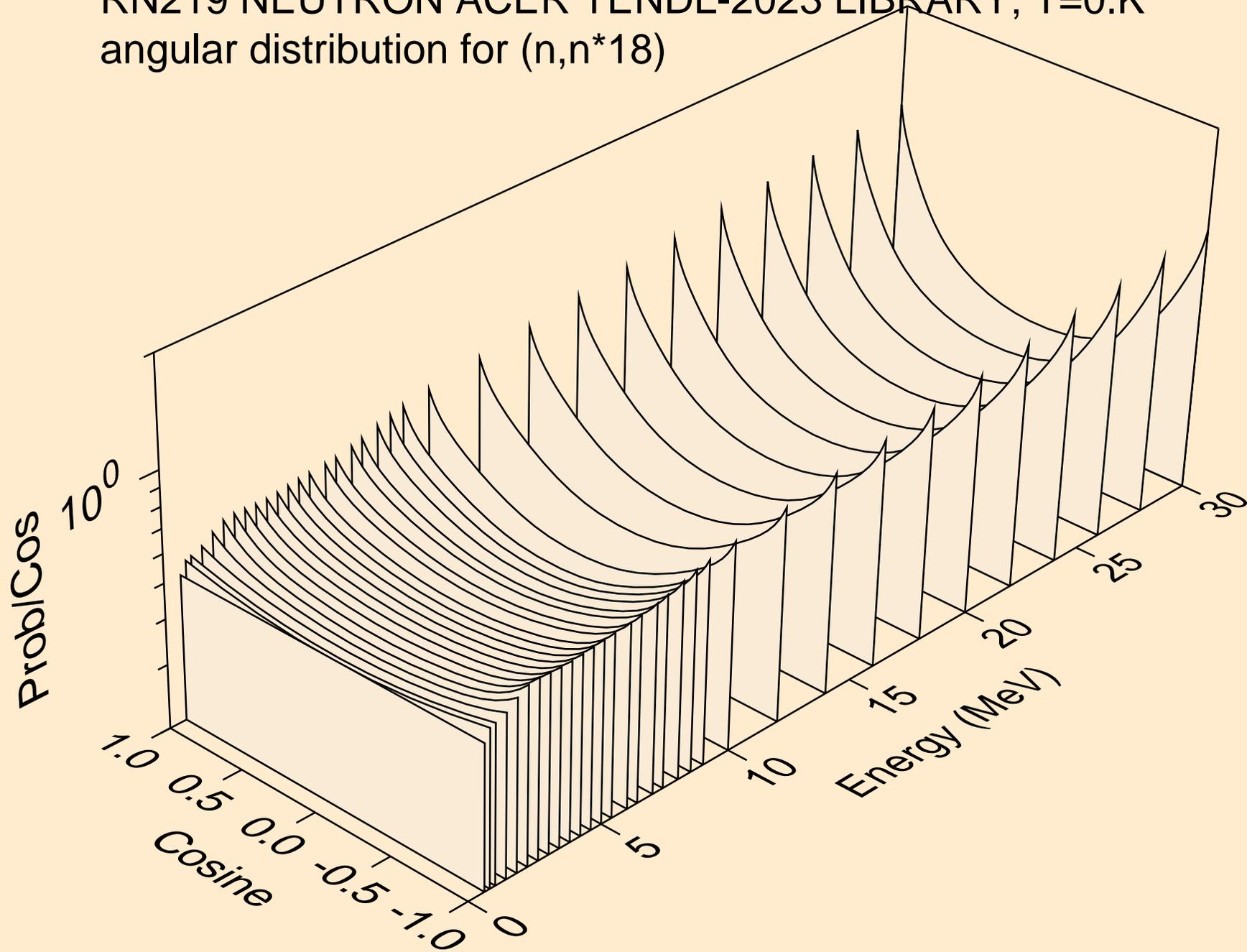
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*16)



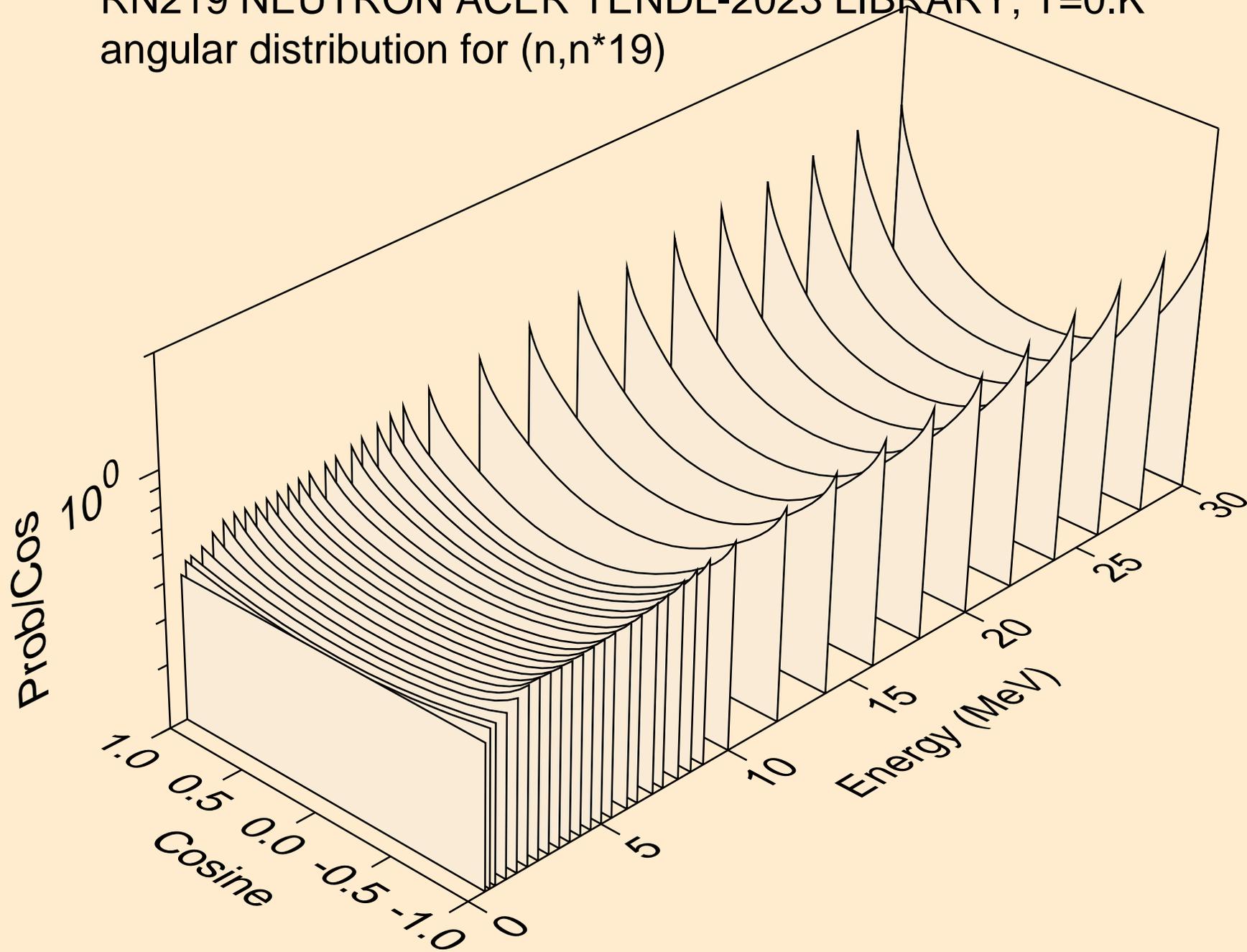
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*17)



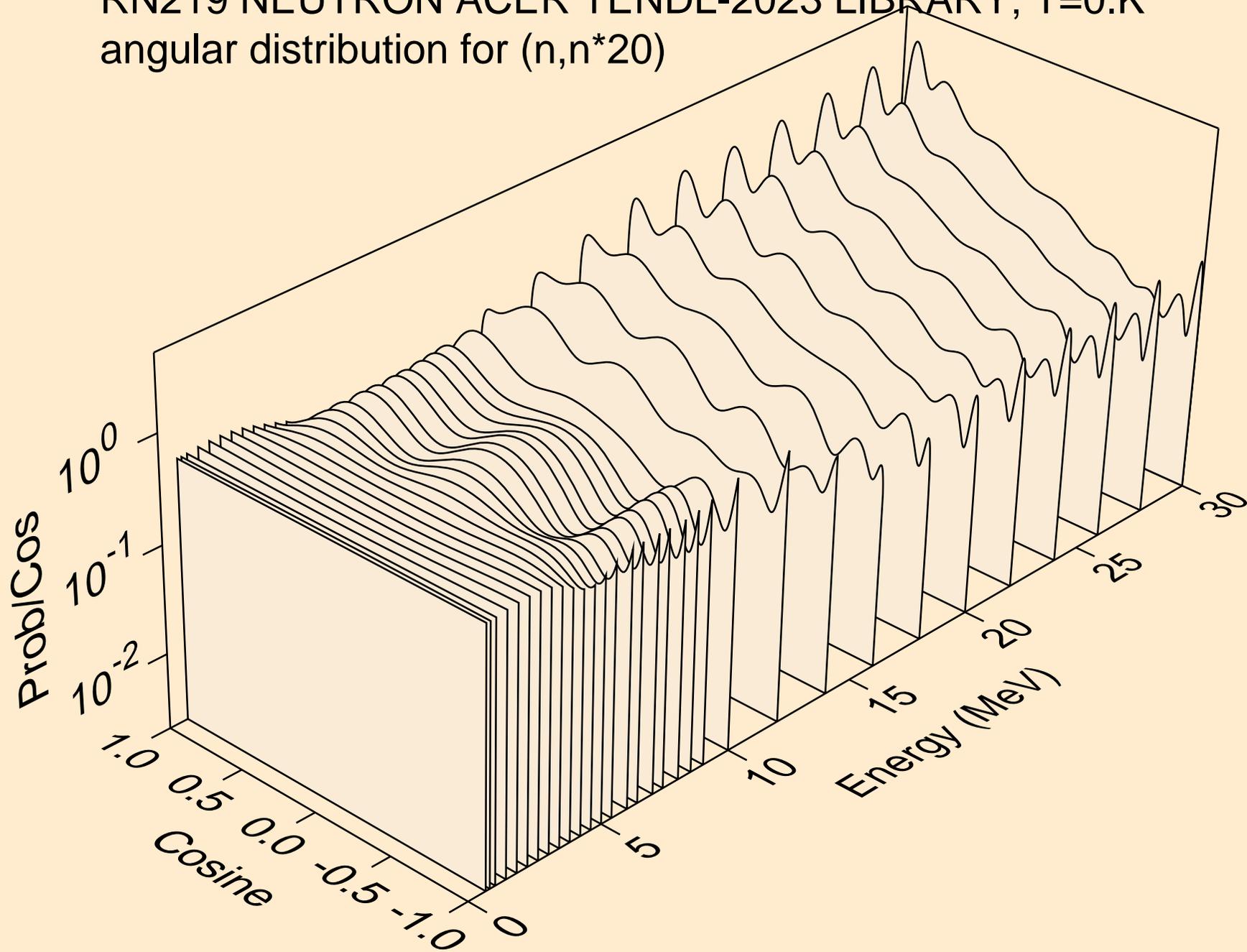
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*18)



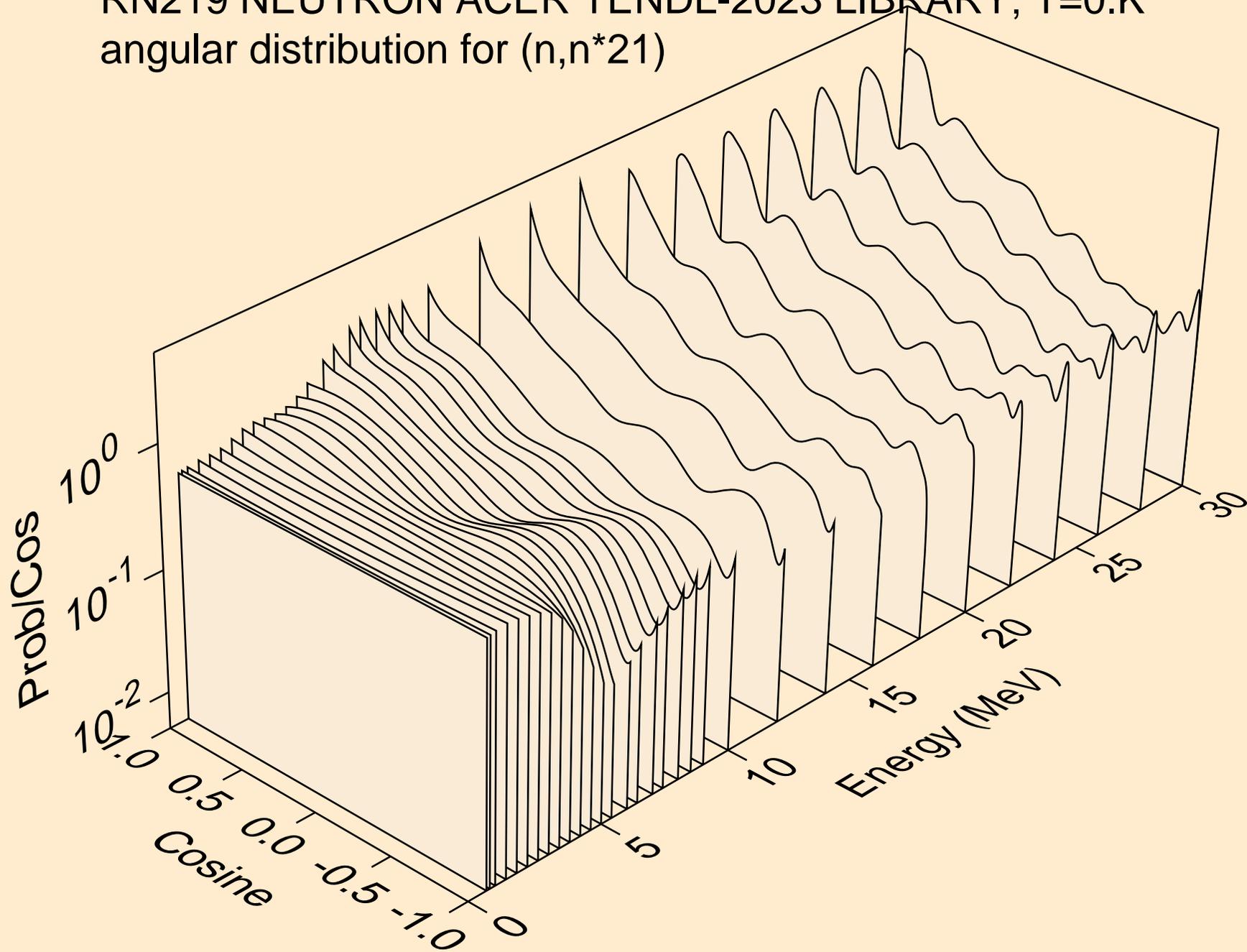
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*19)



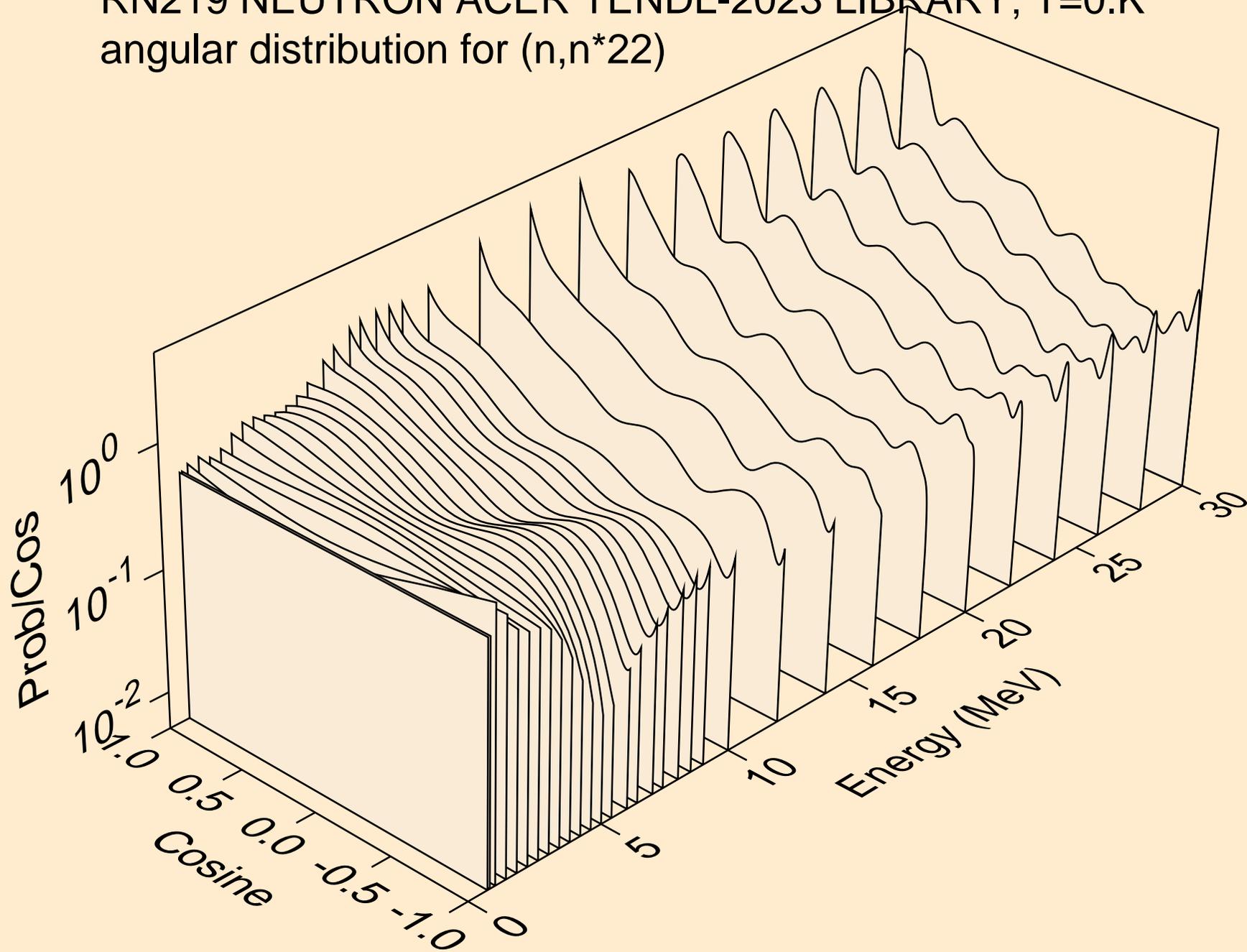
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*20)



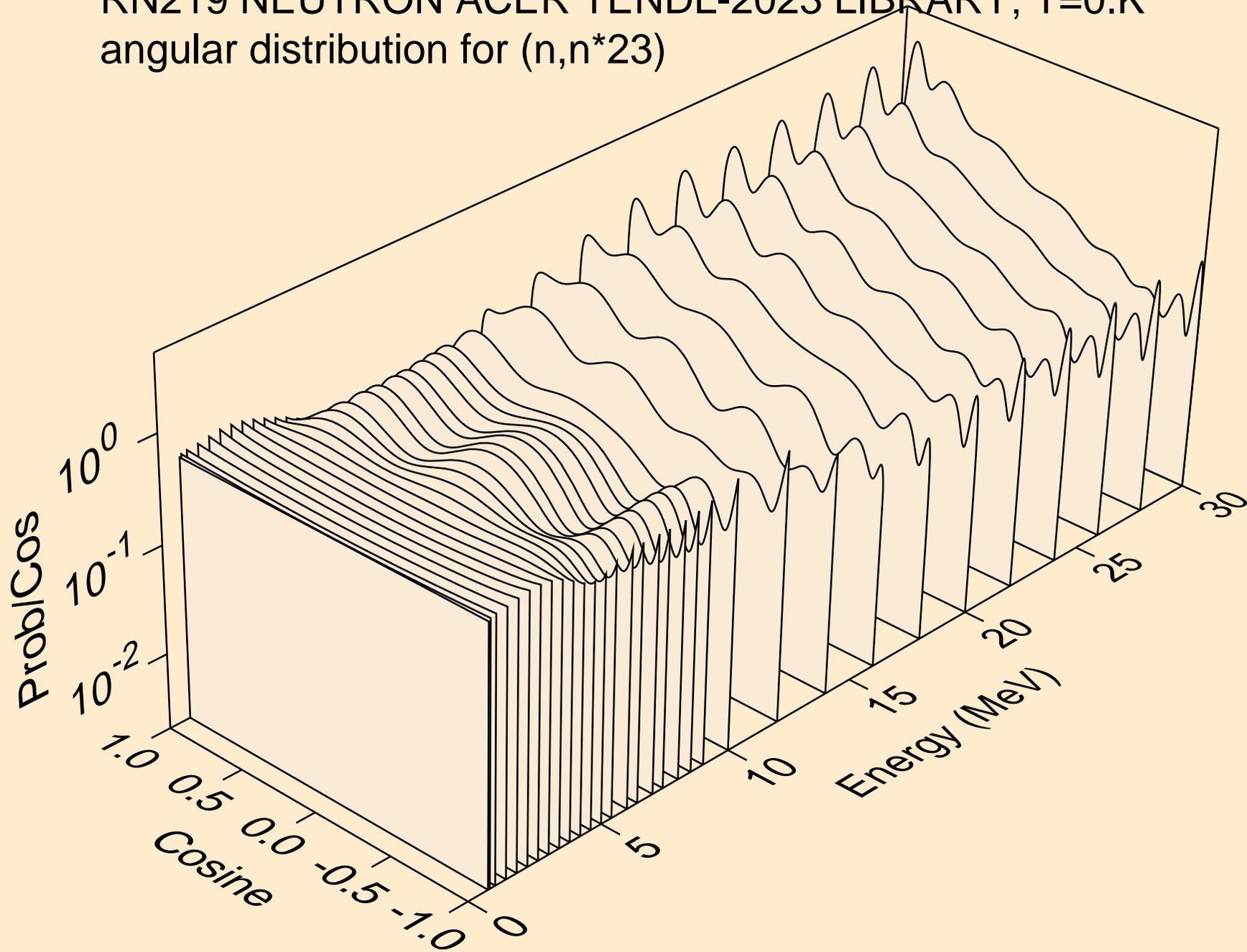
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*21)



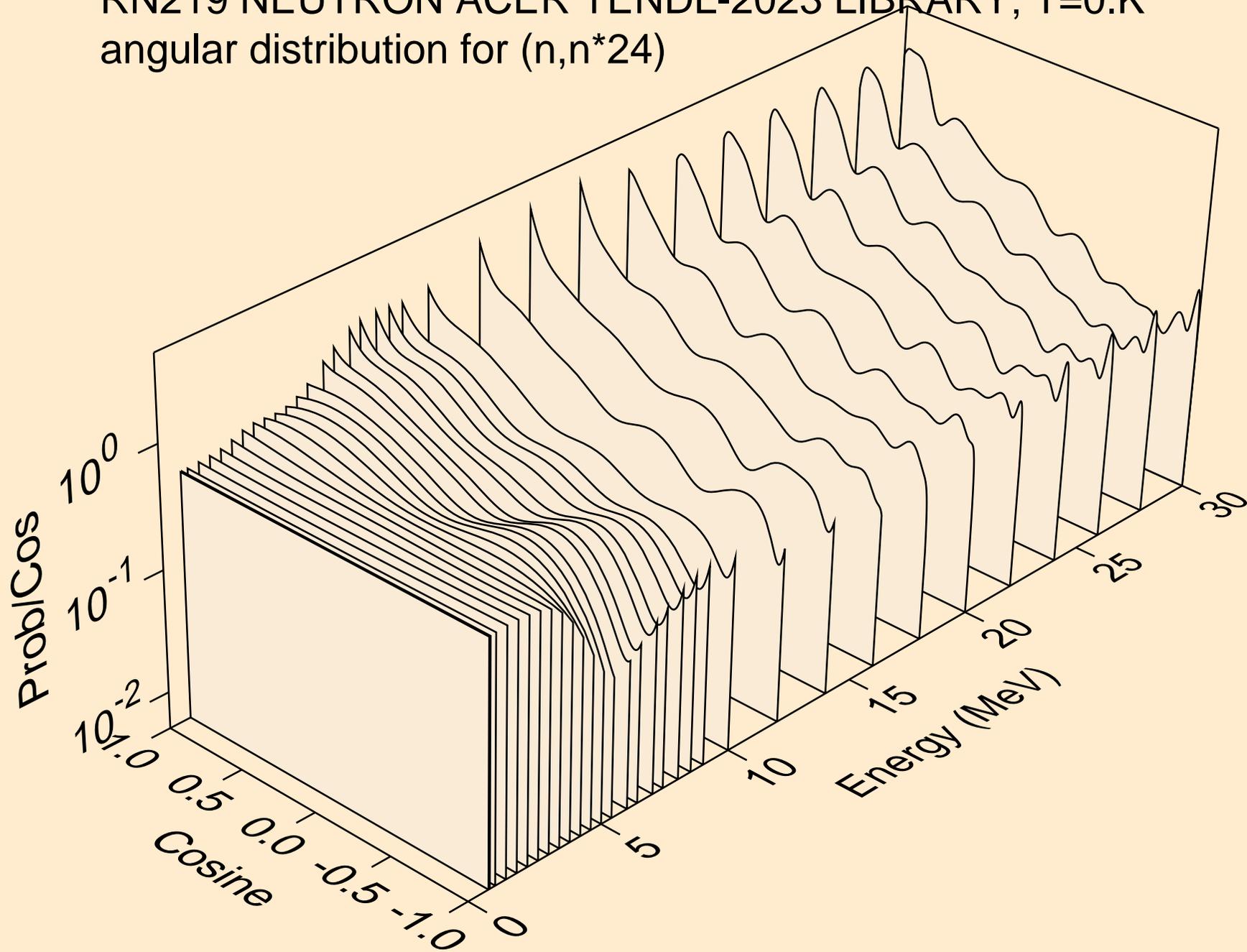
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*22)



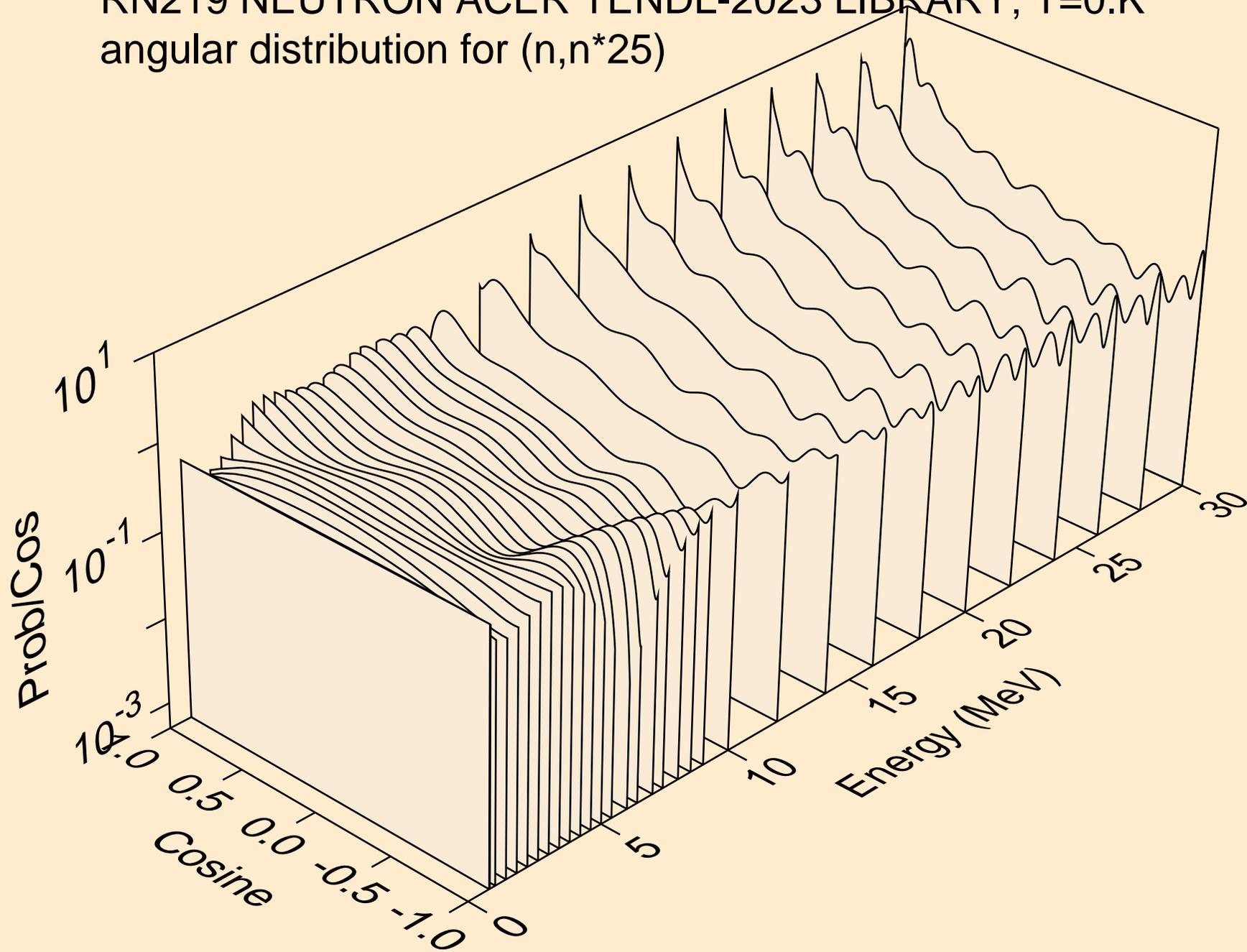
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*23)



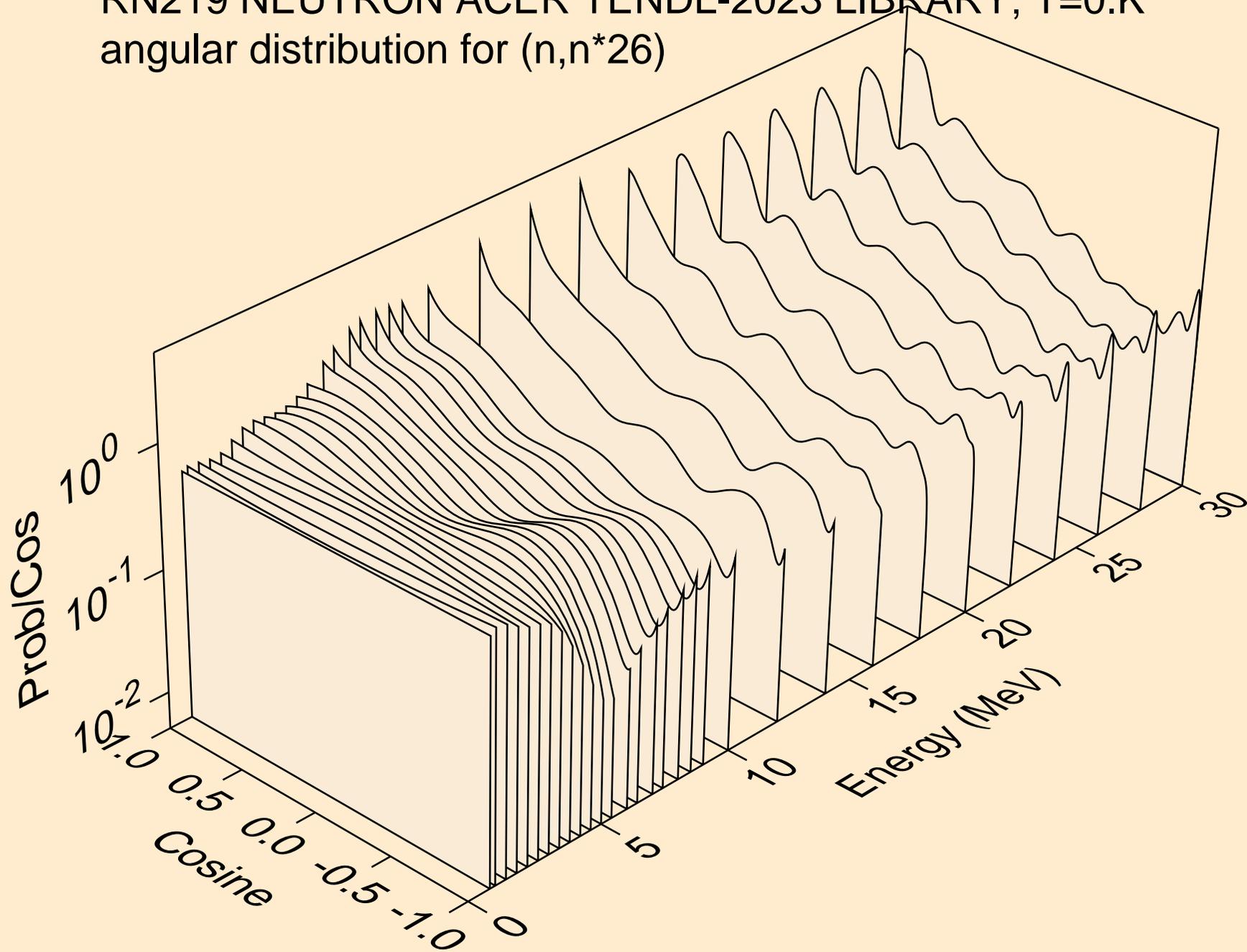
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*24)



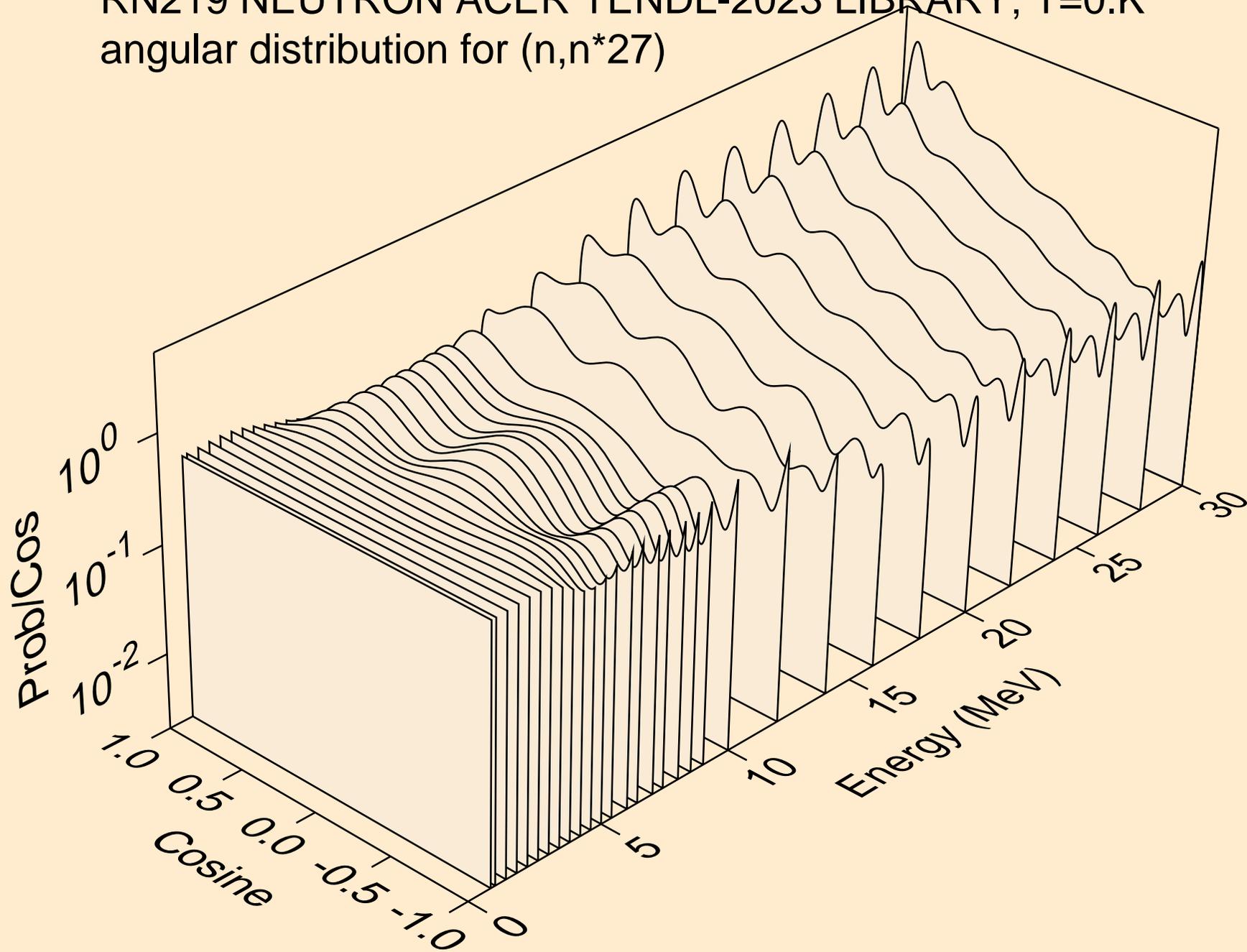
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*25)



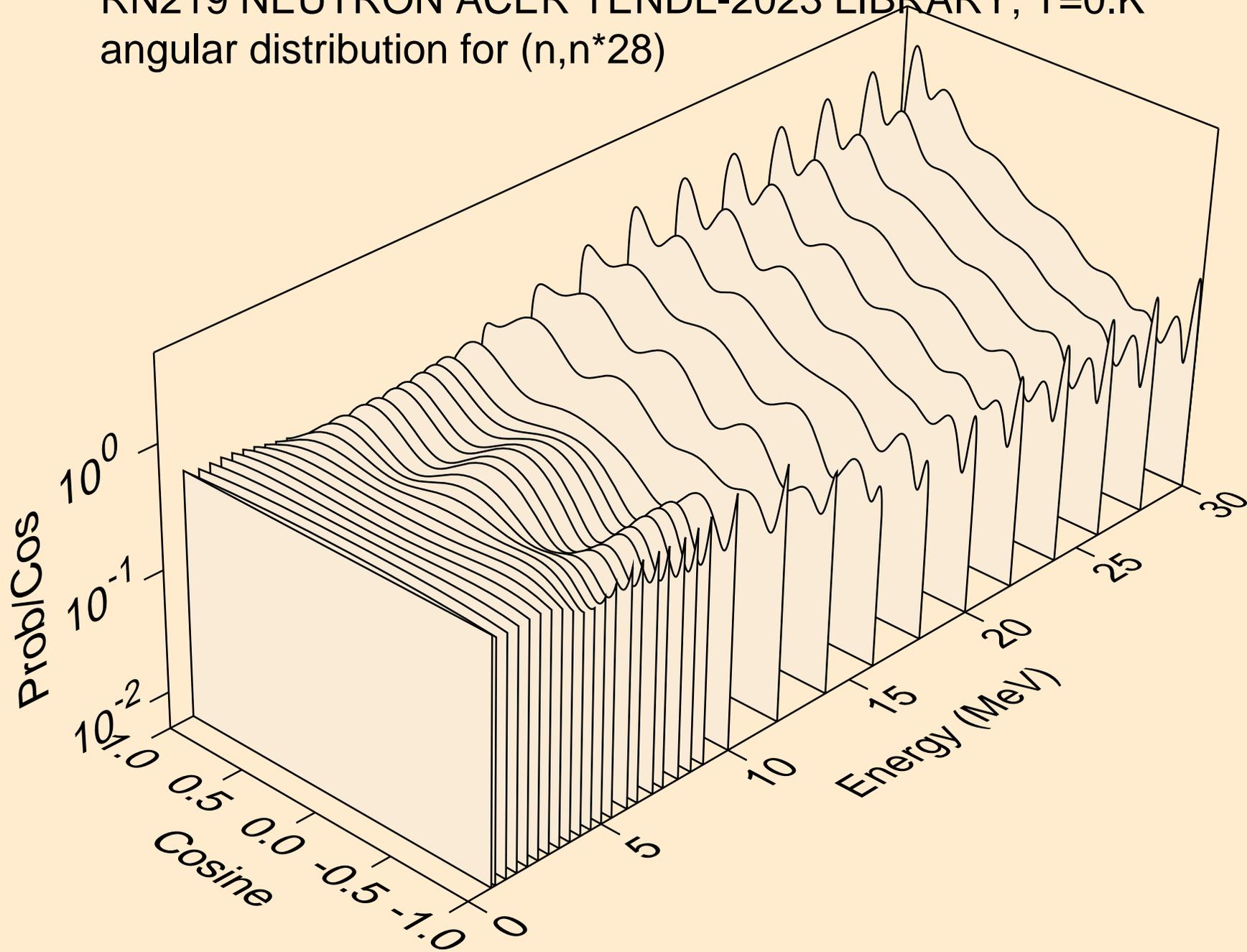
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*26)



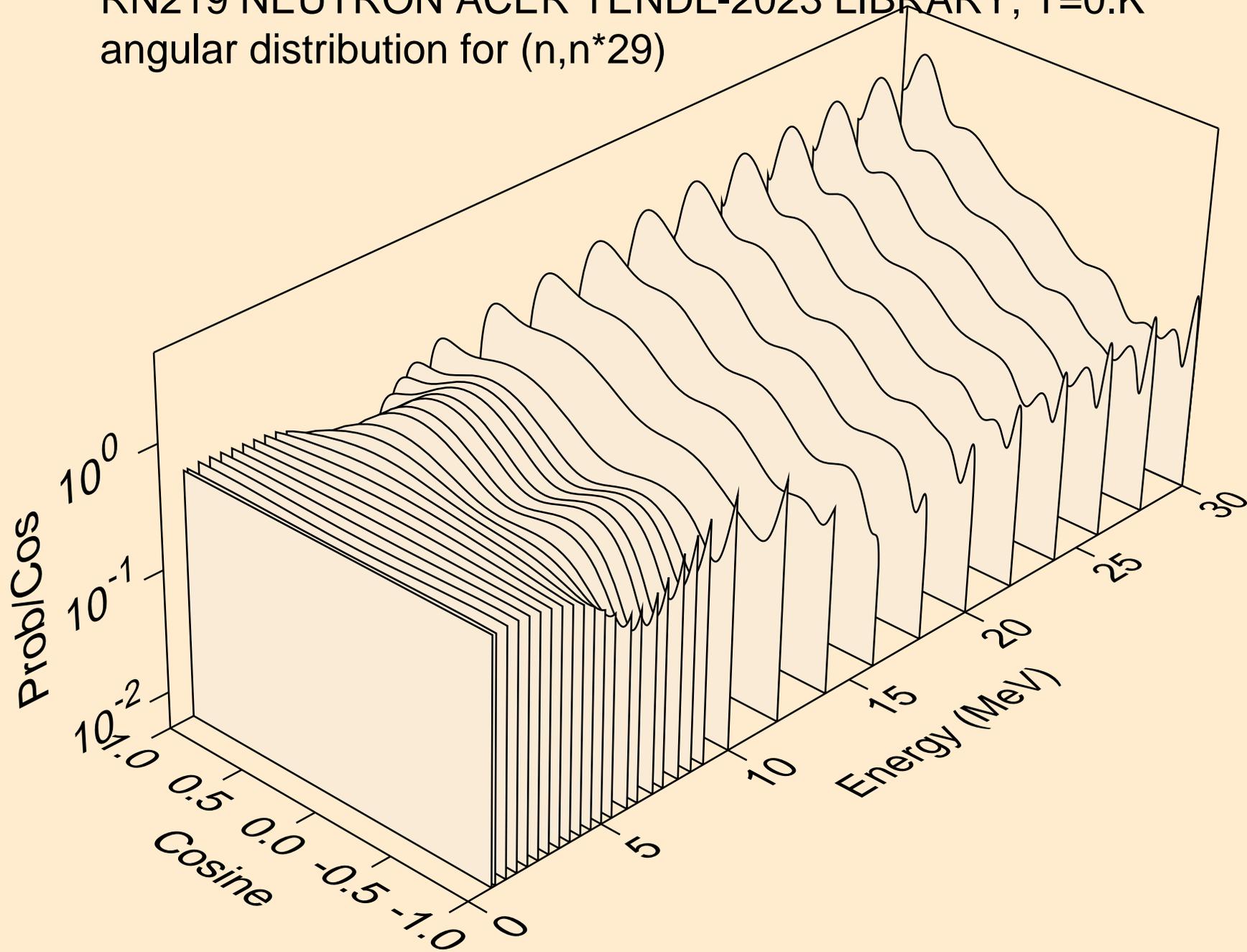
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*27)



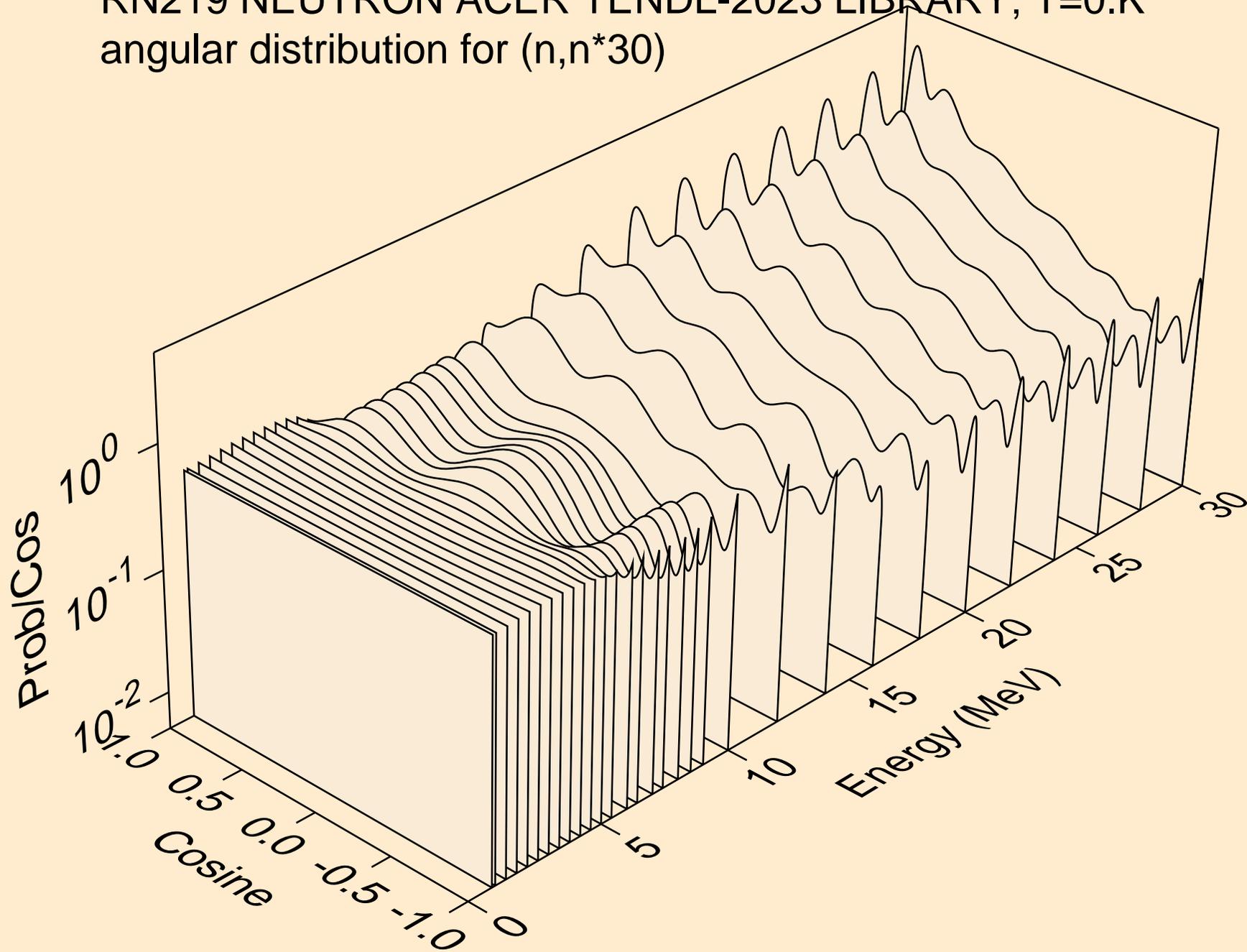
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*28)



RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*29)

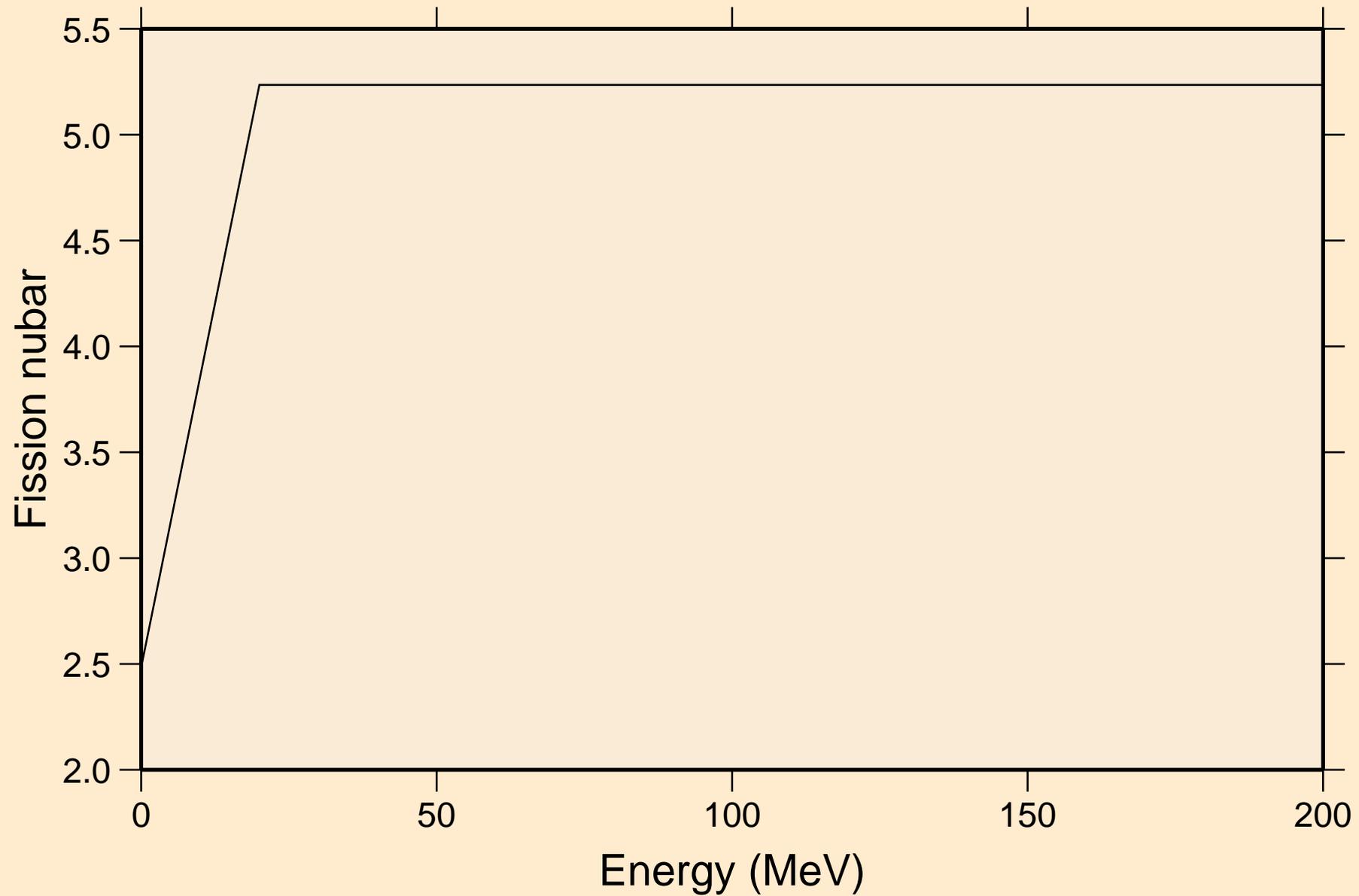


RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*30)

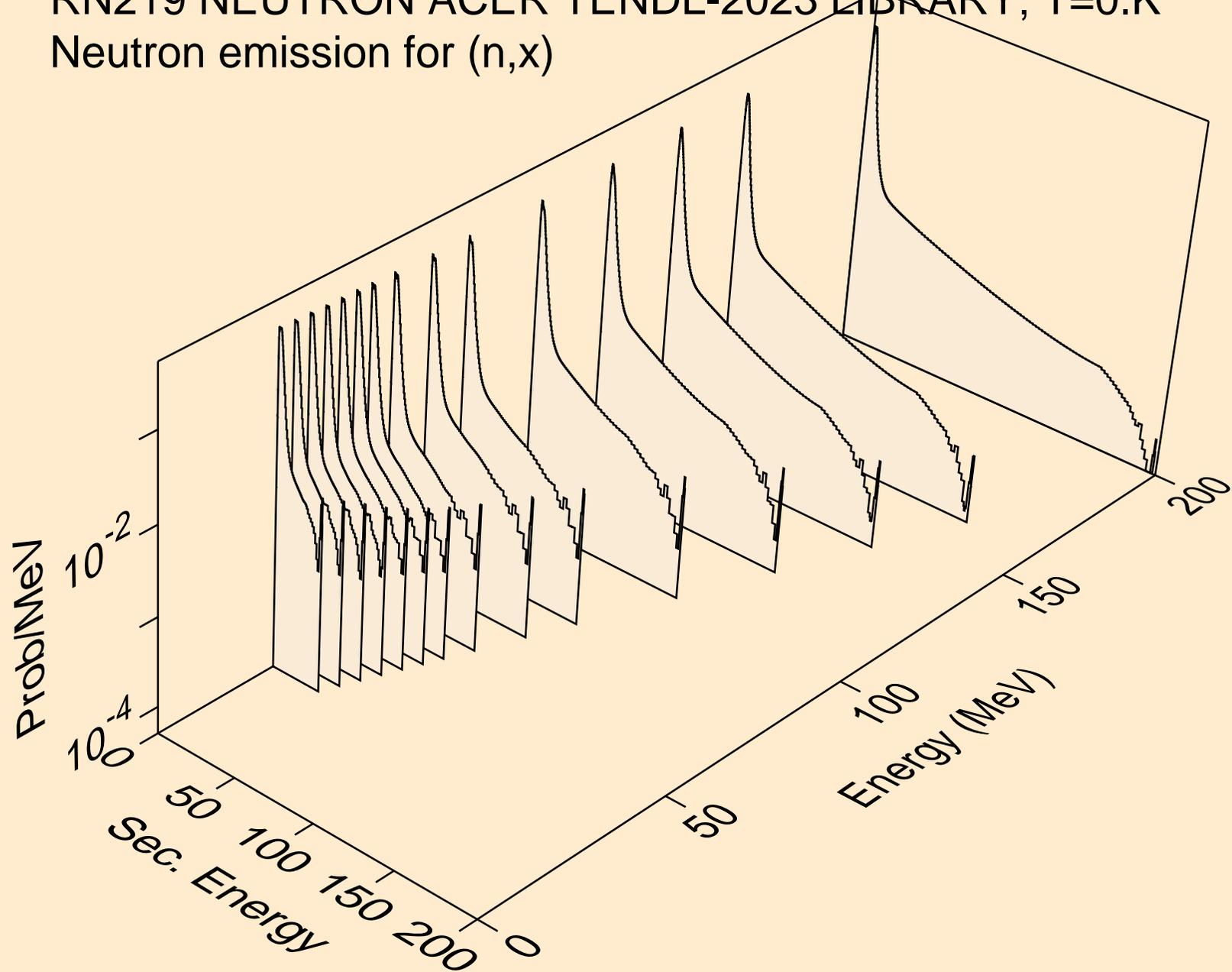


# RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

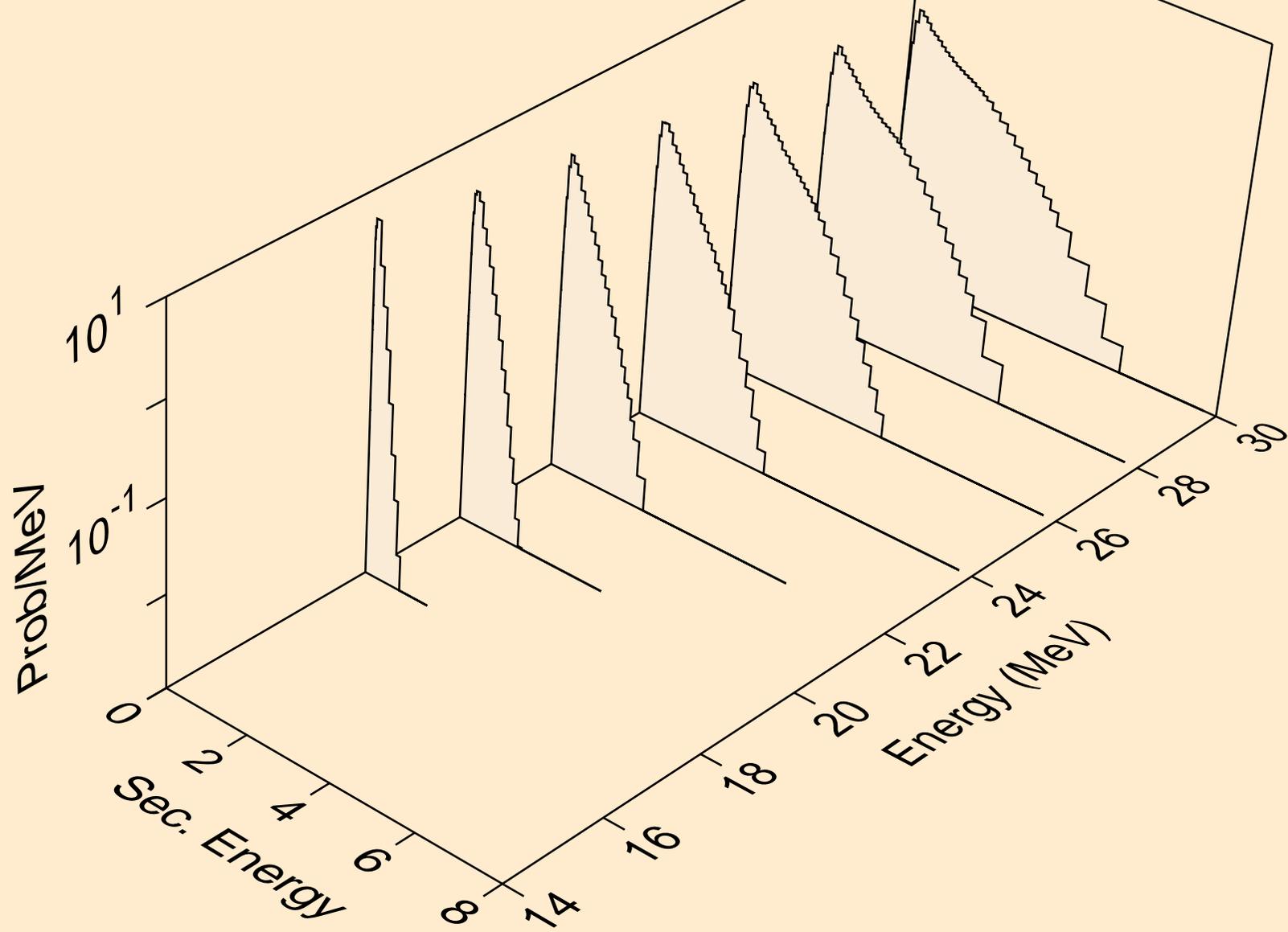
Total fission nubar



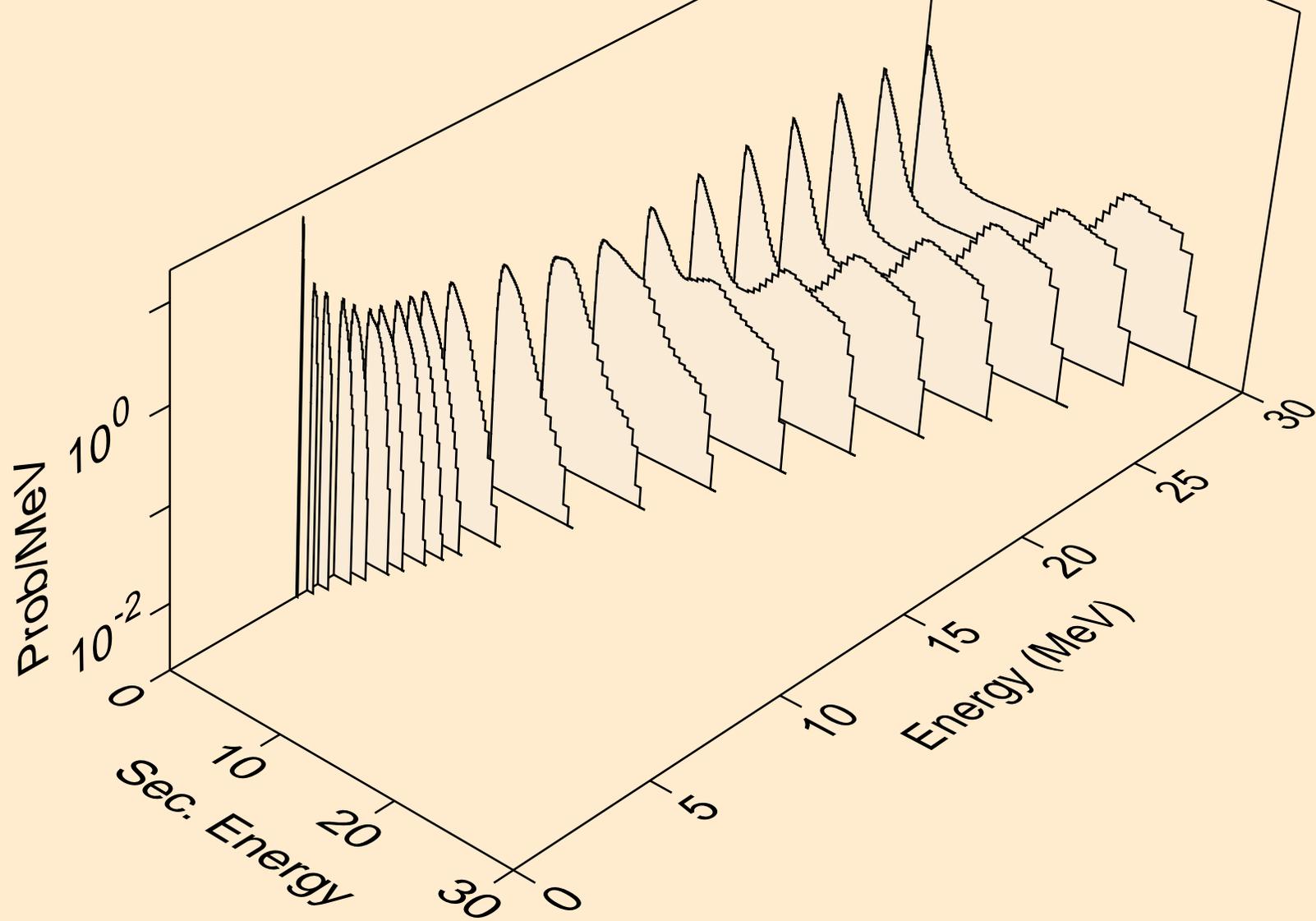
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,x)



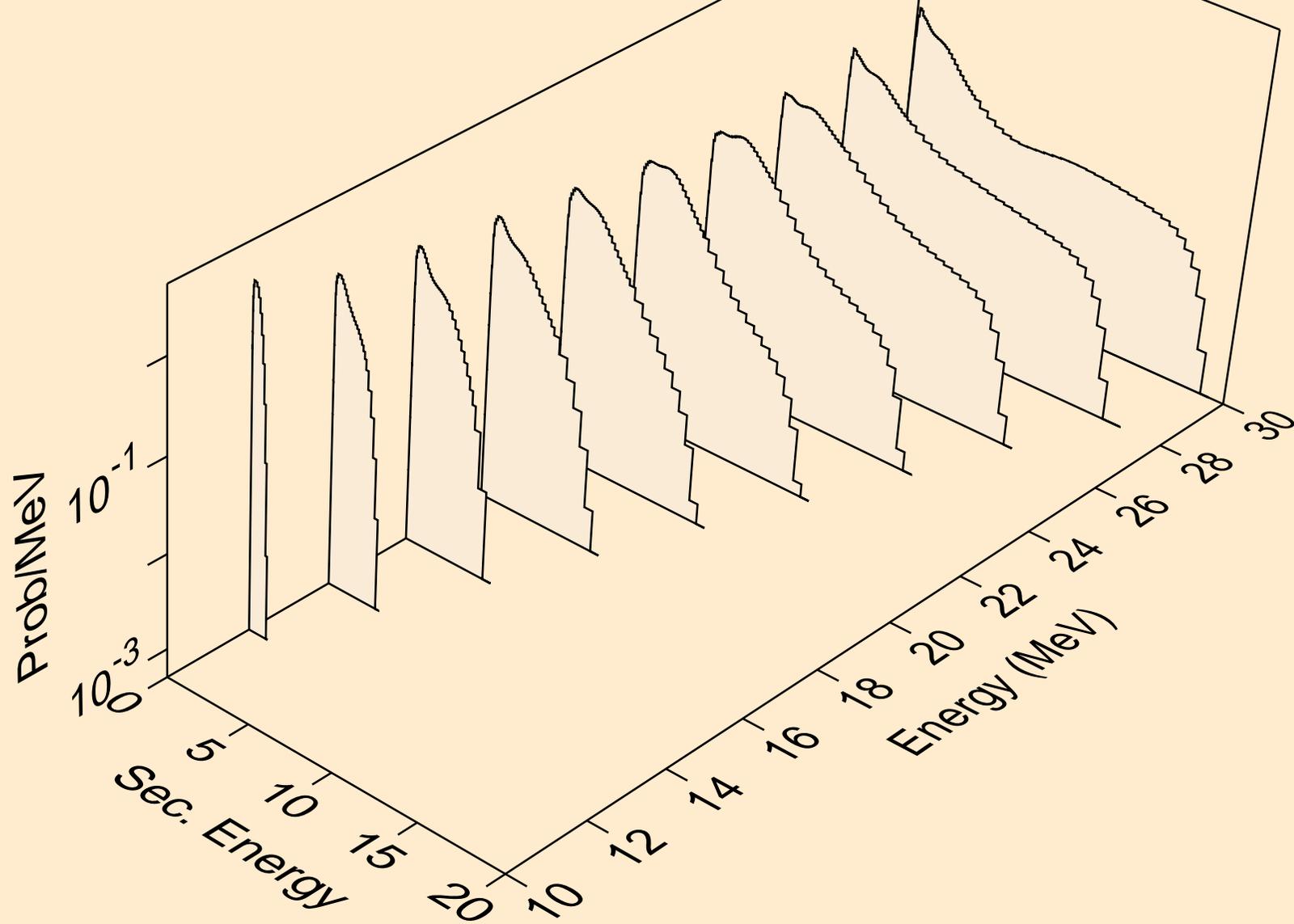
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



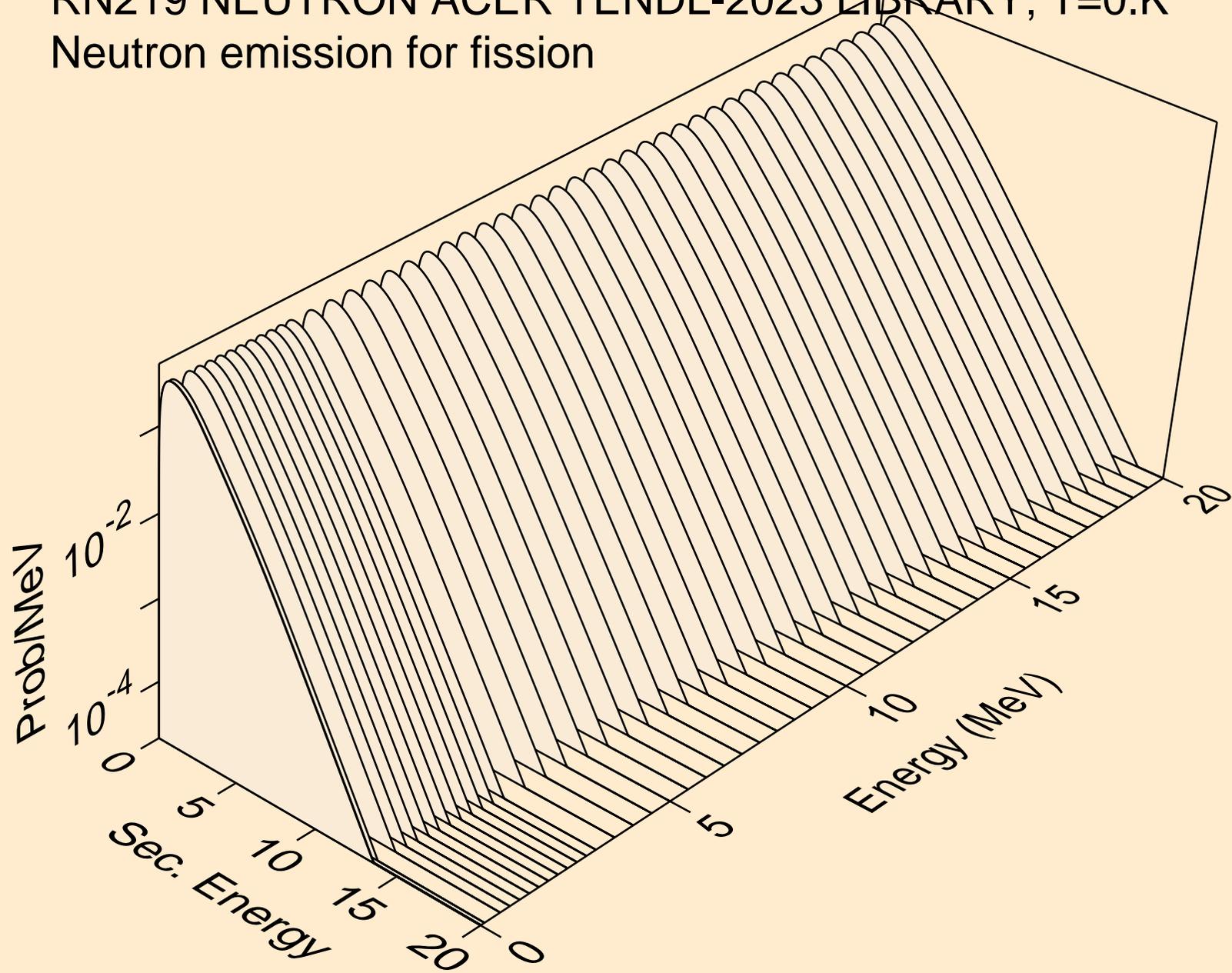
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)



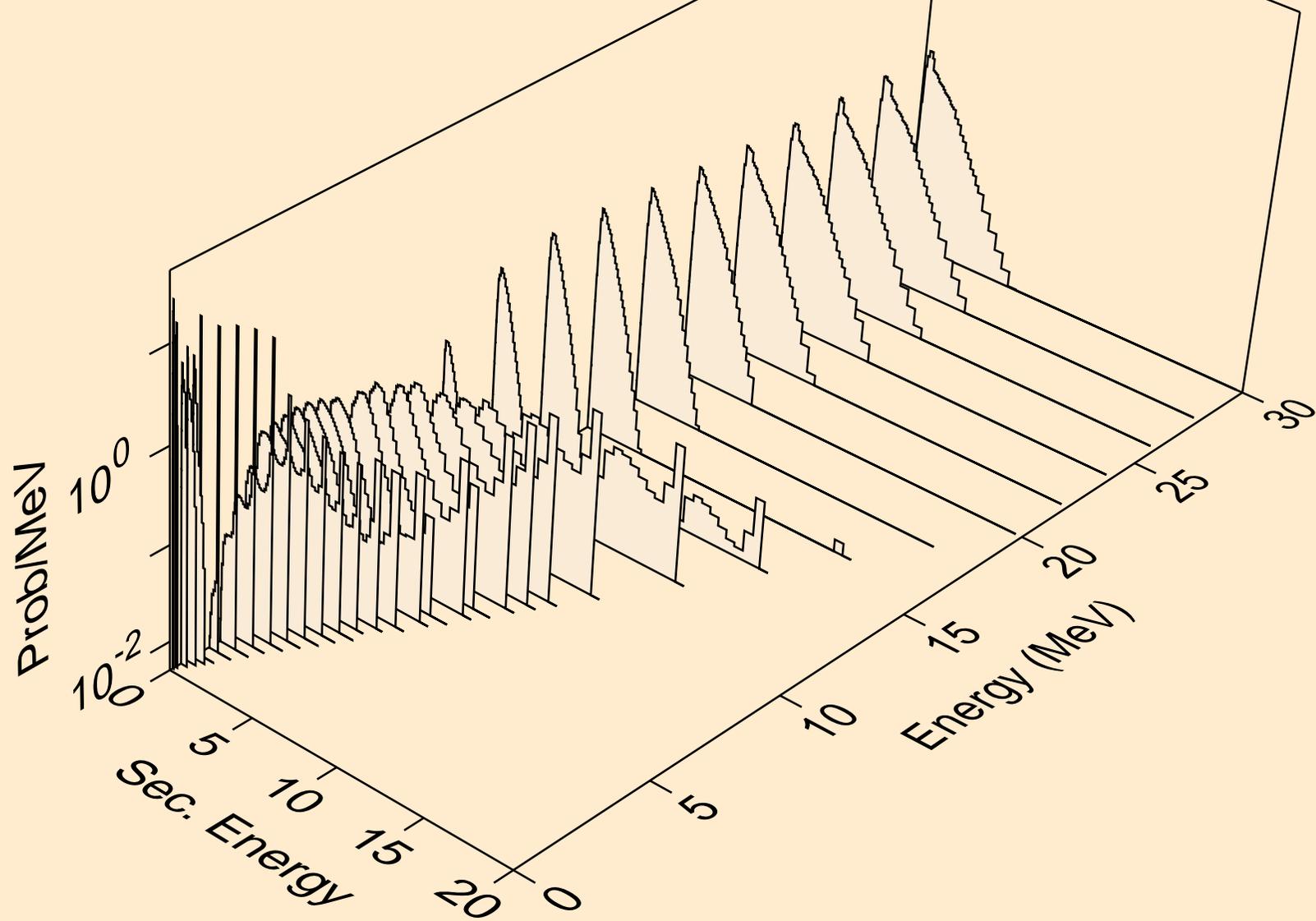
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)



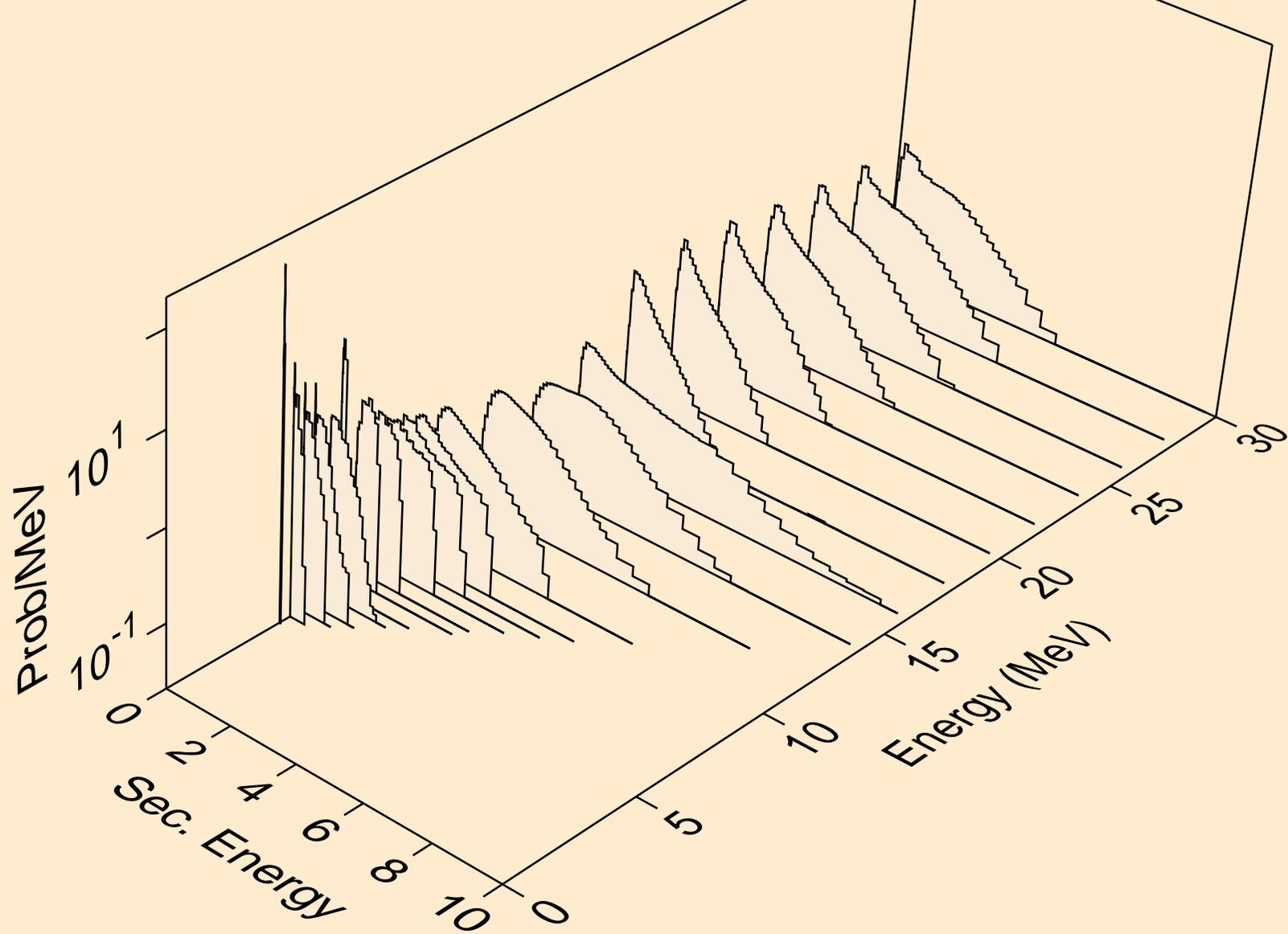
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for fission



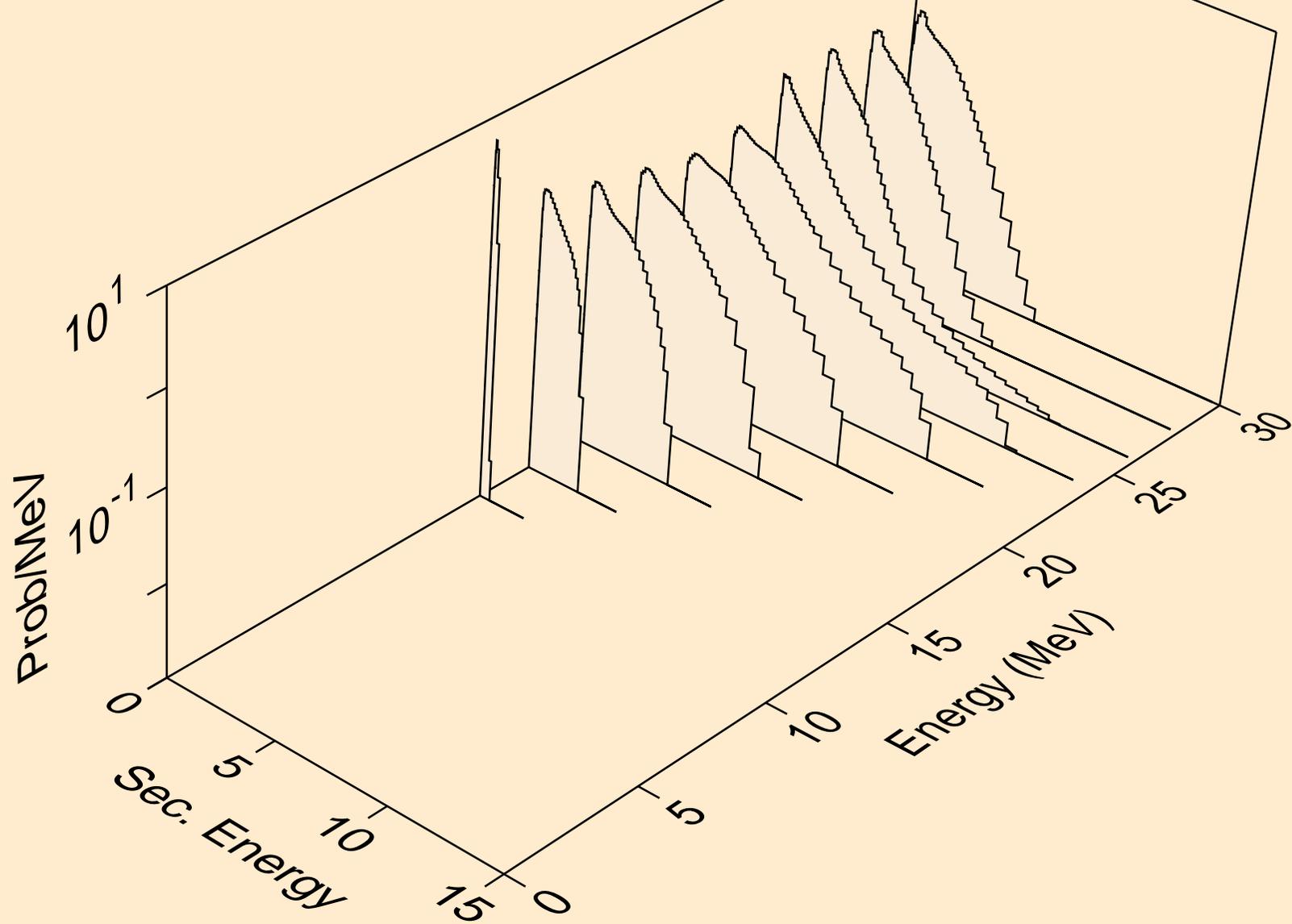
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



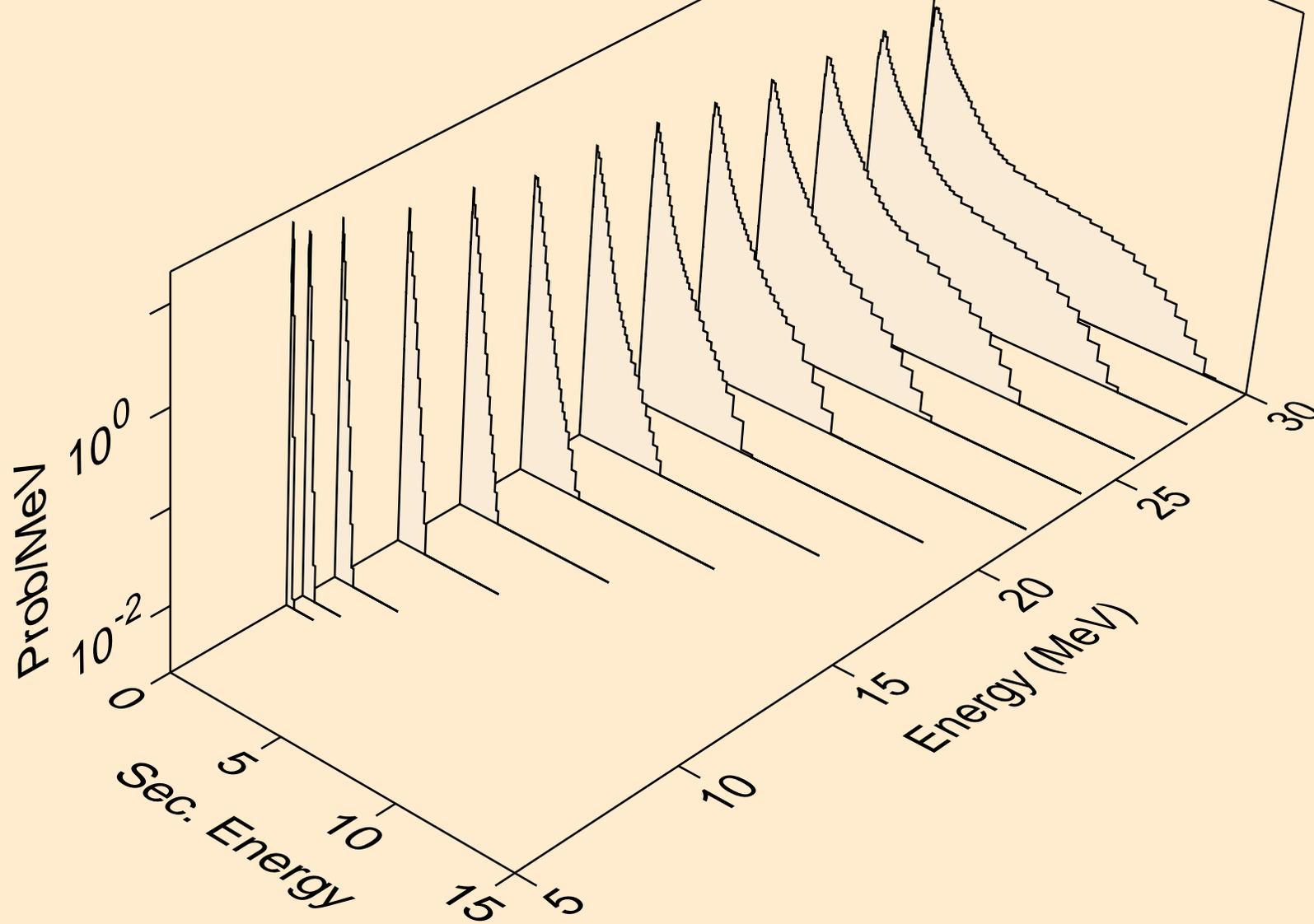
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)a



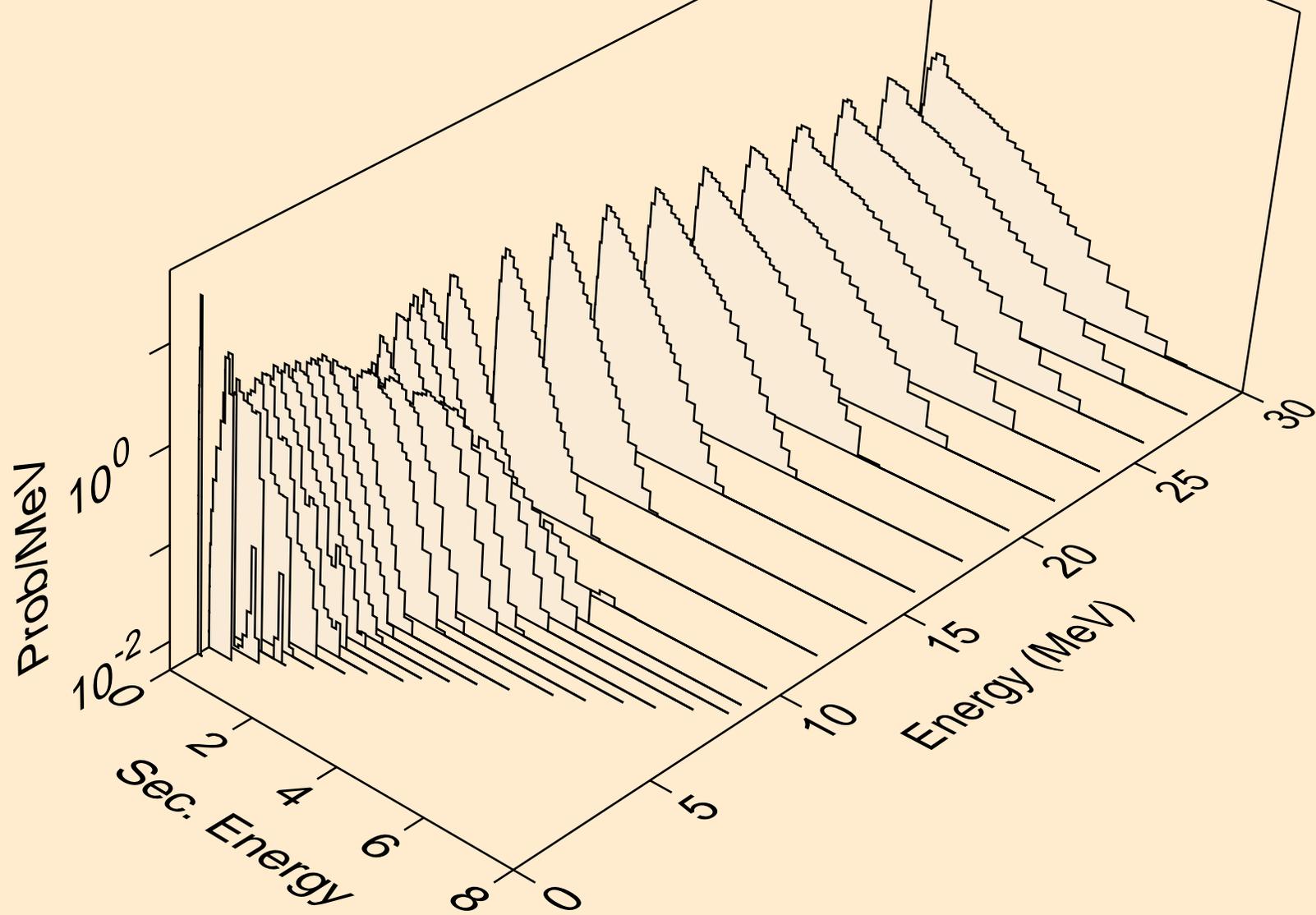
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)a



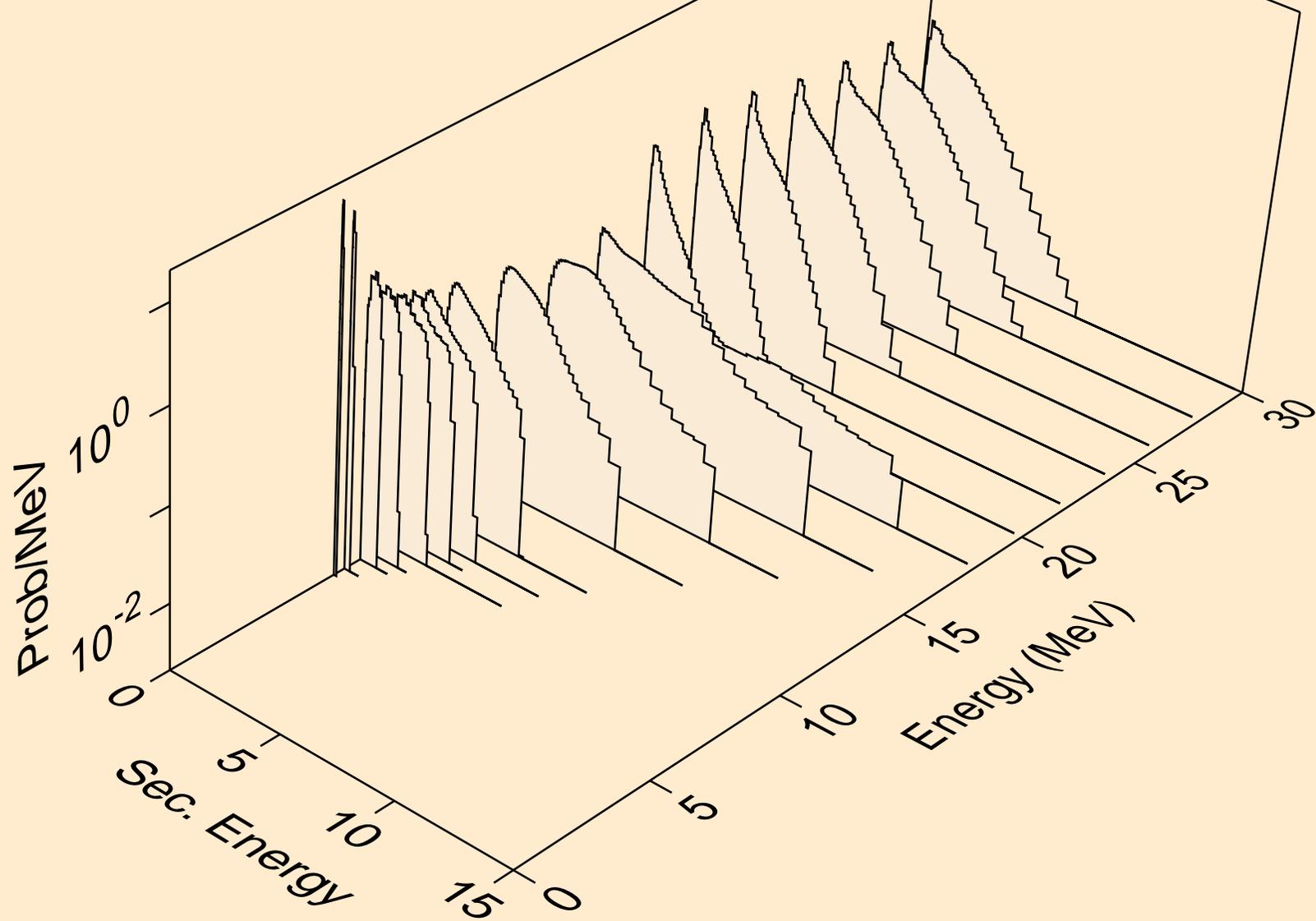
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



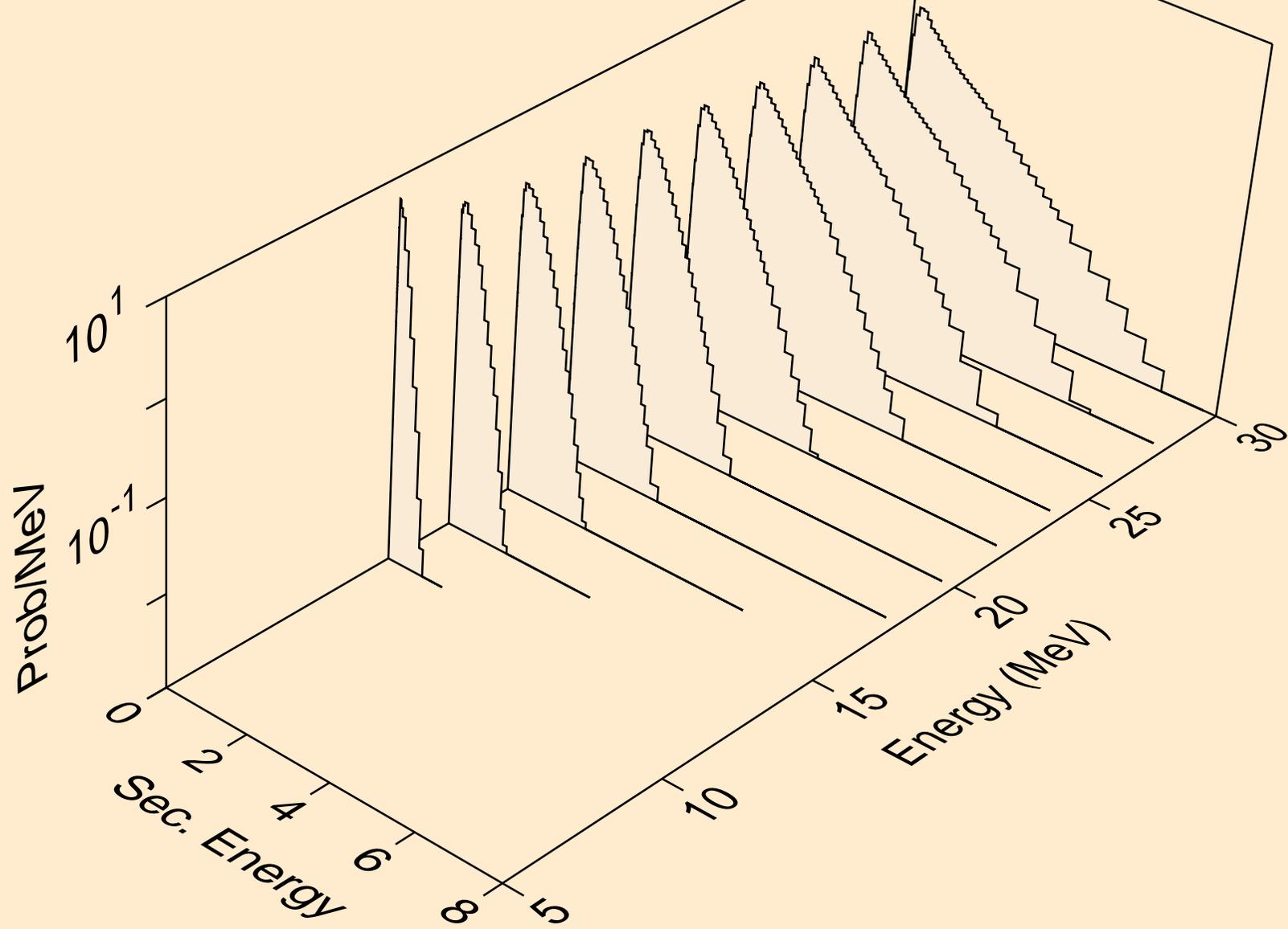
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)2a



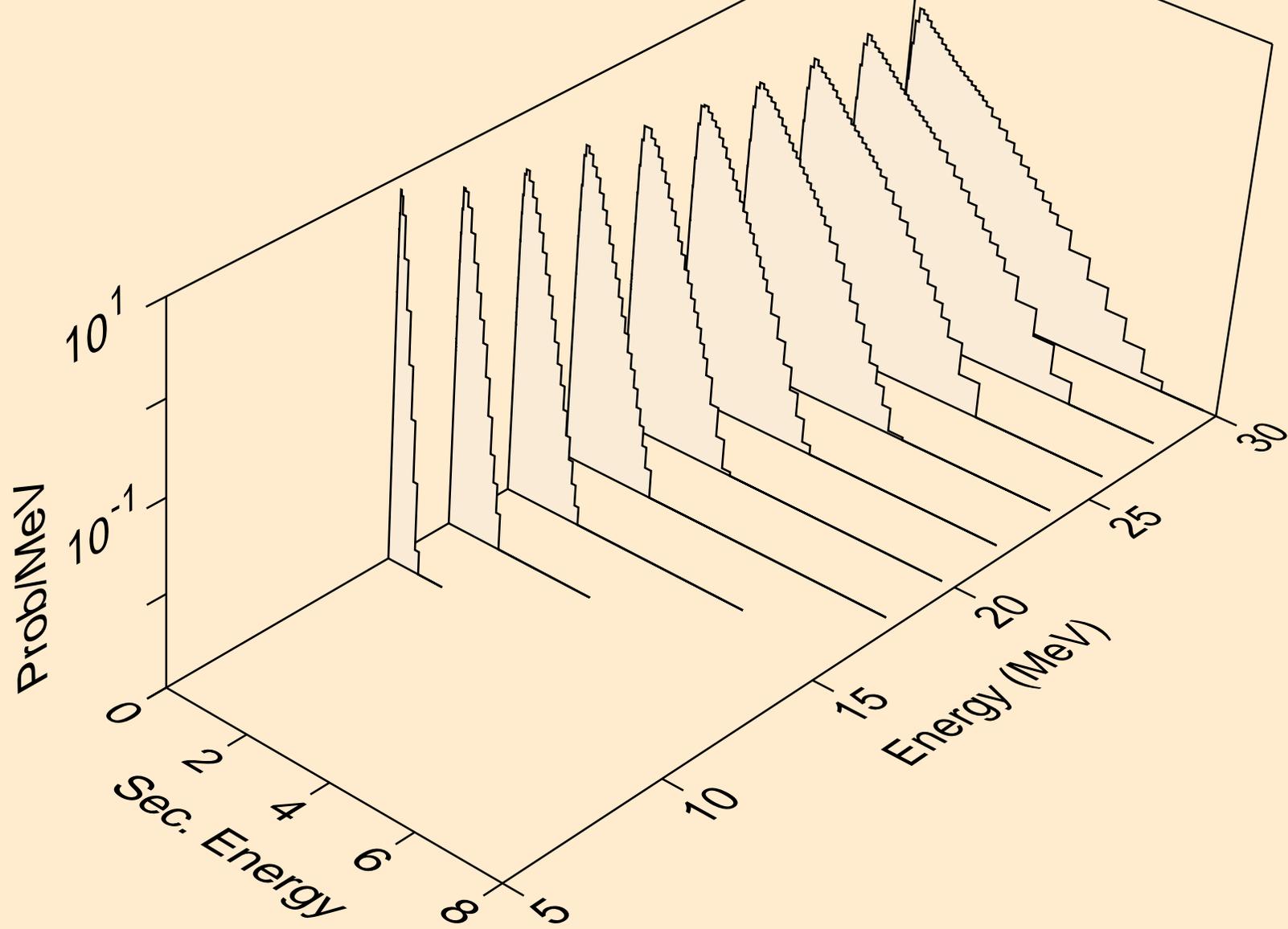
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)2a



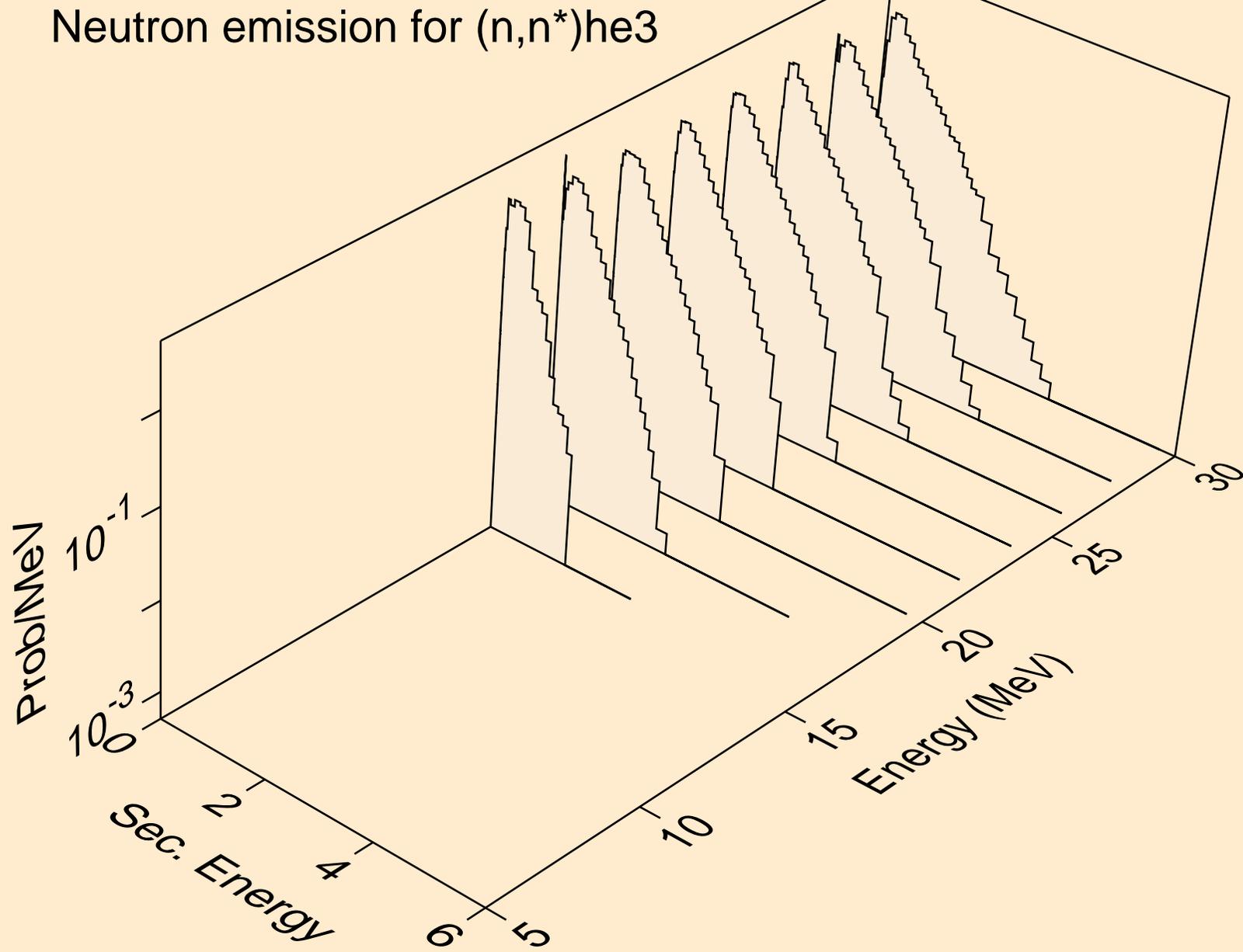
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d



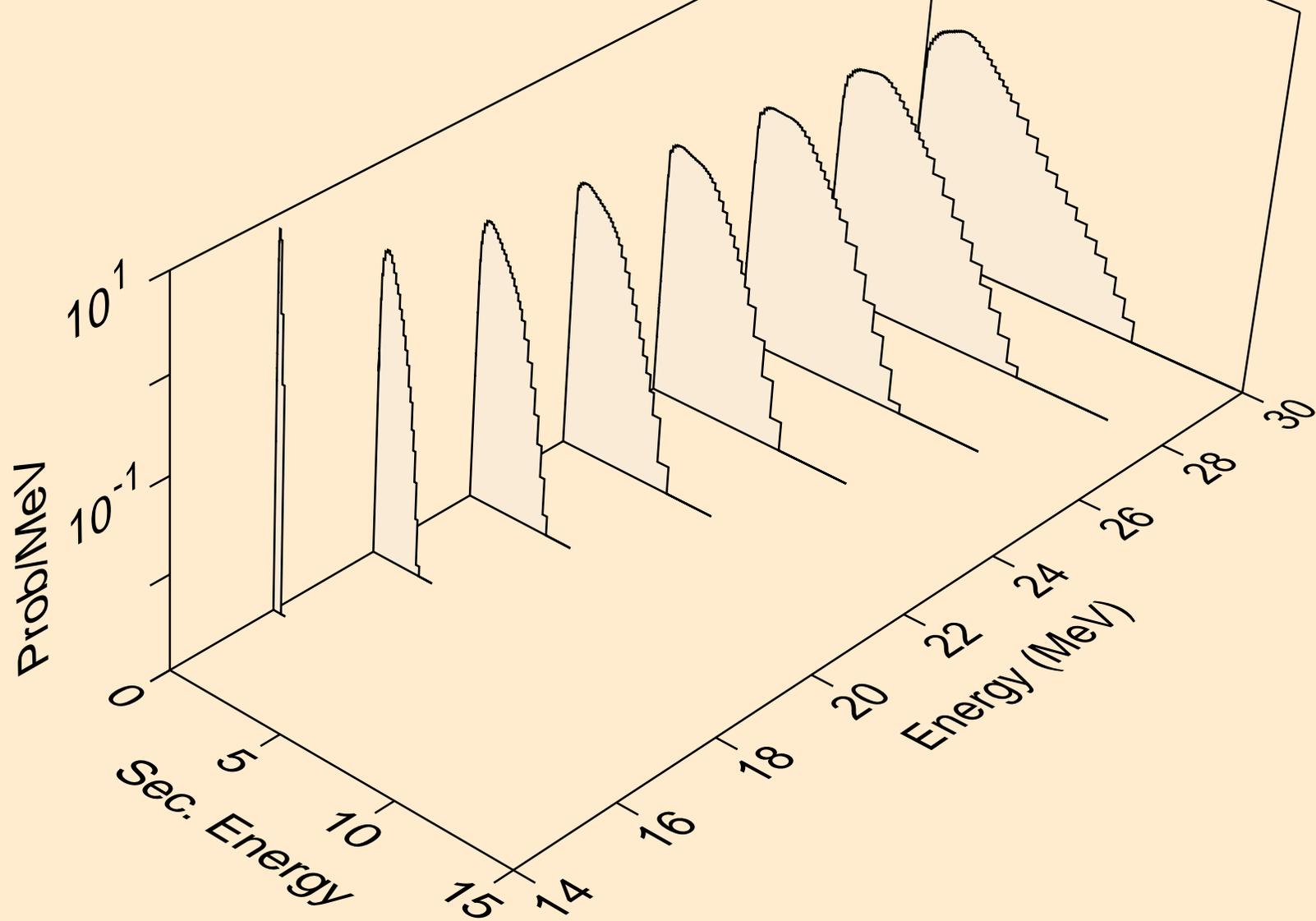
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



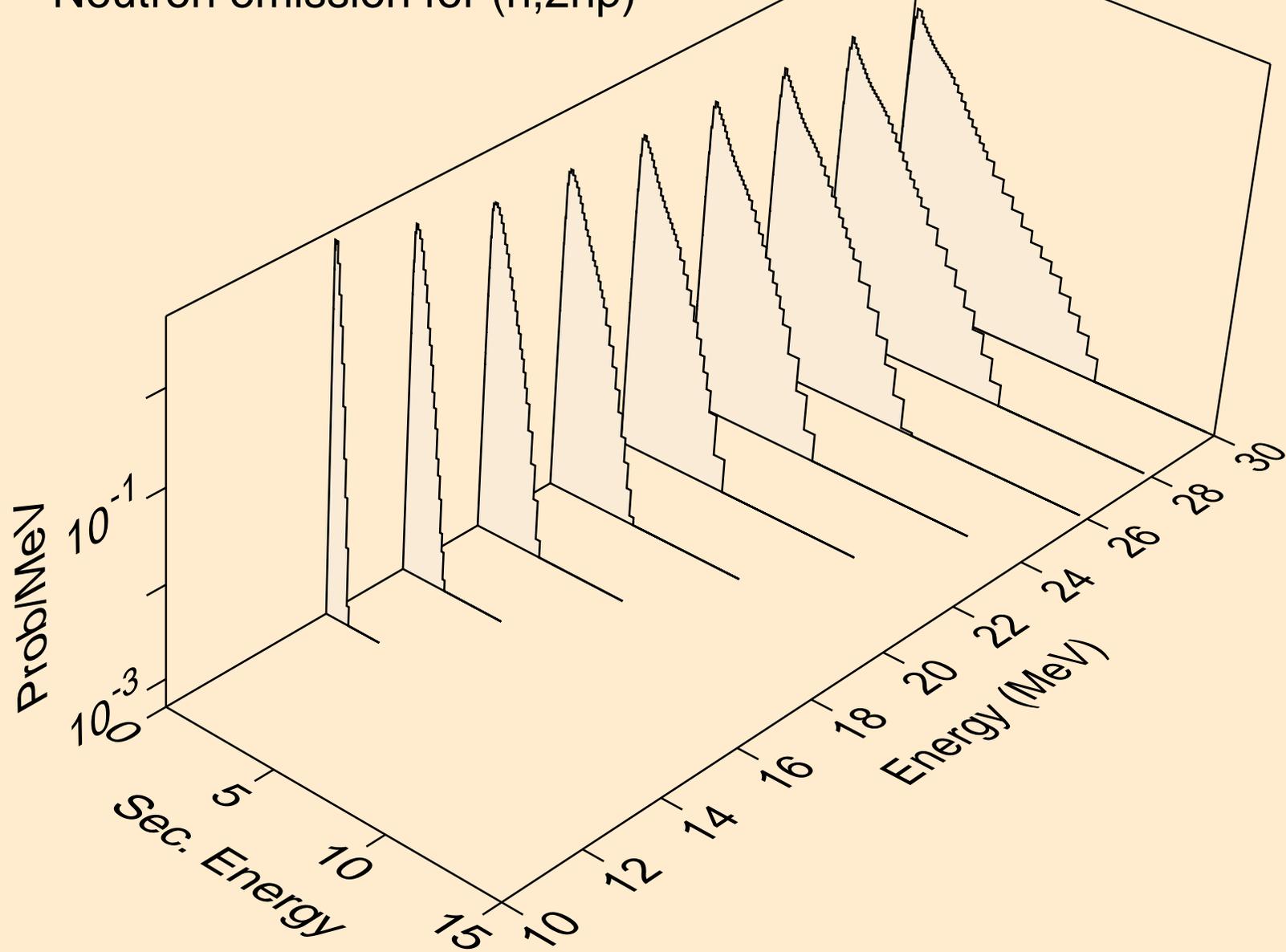
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



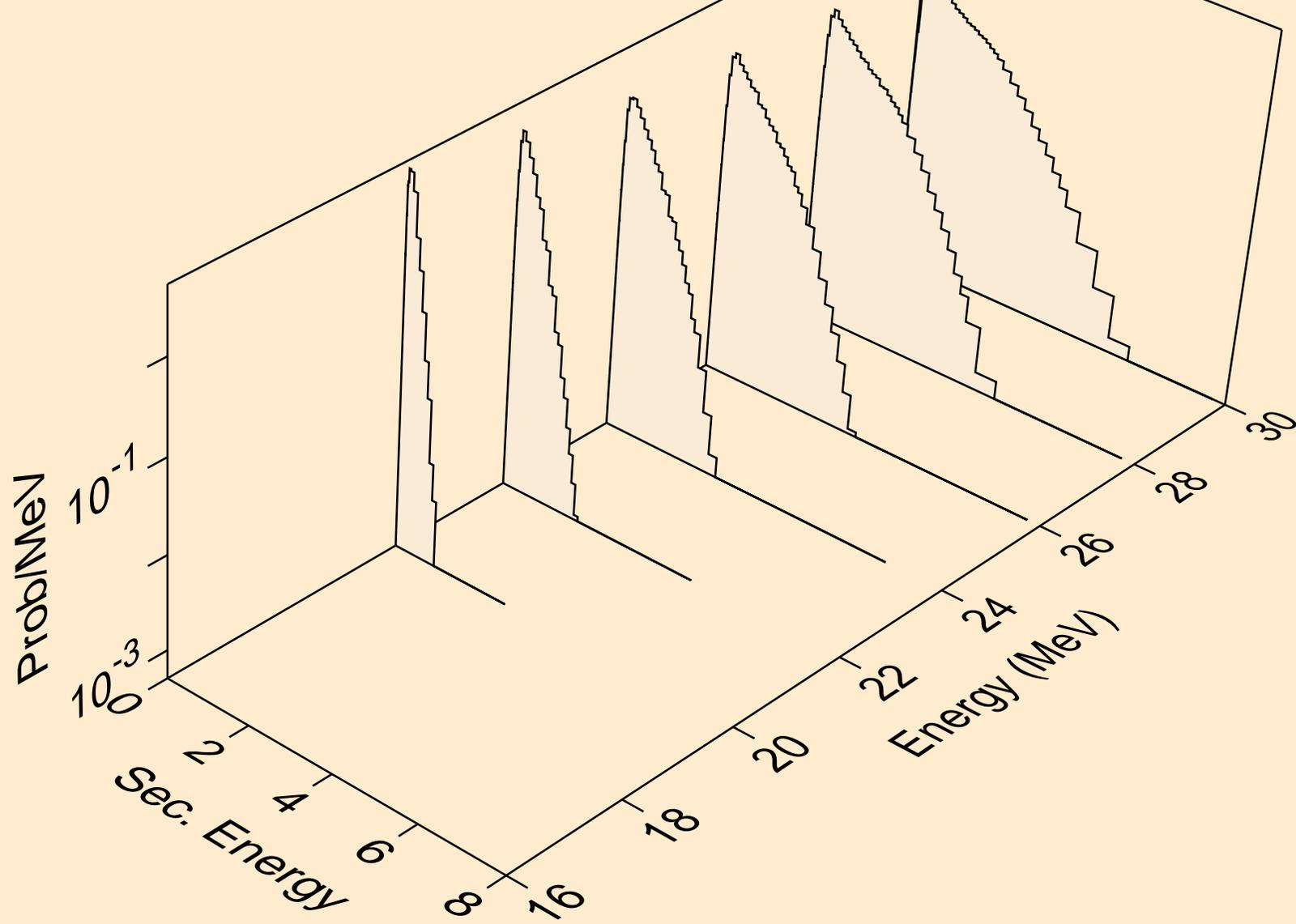
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,4n)



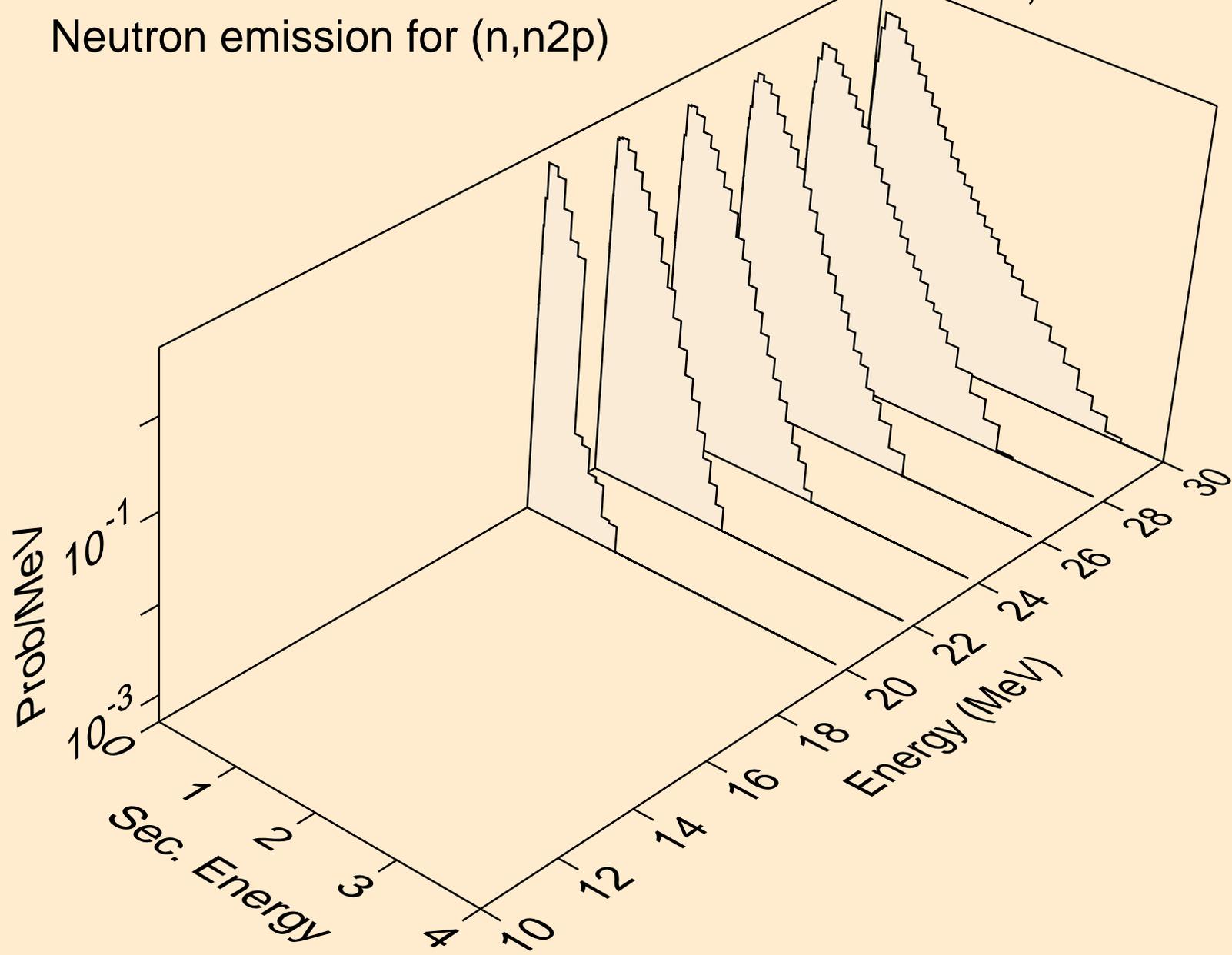
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2np)



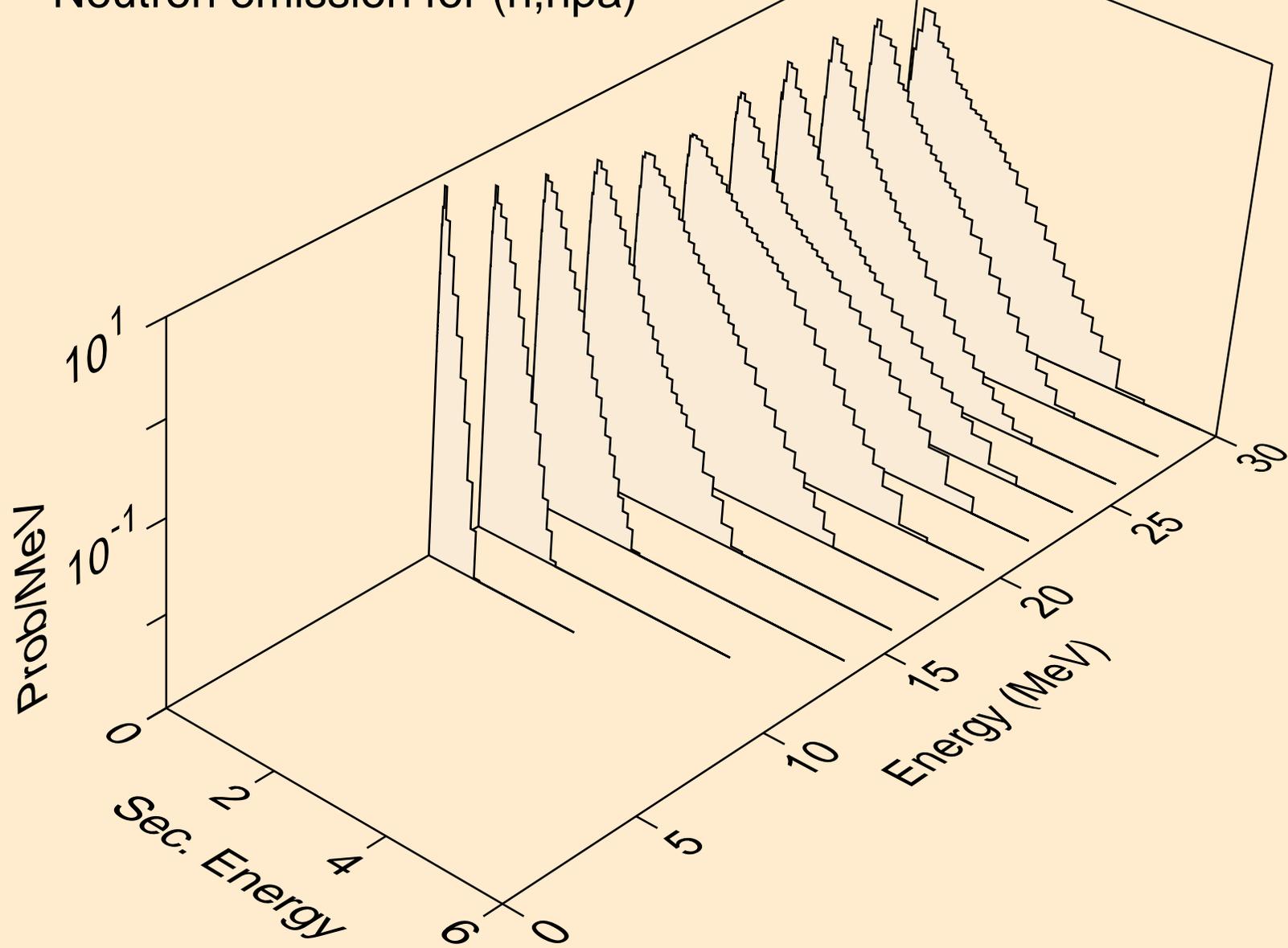
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3np)



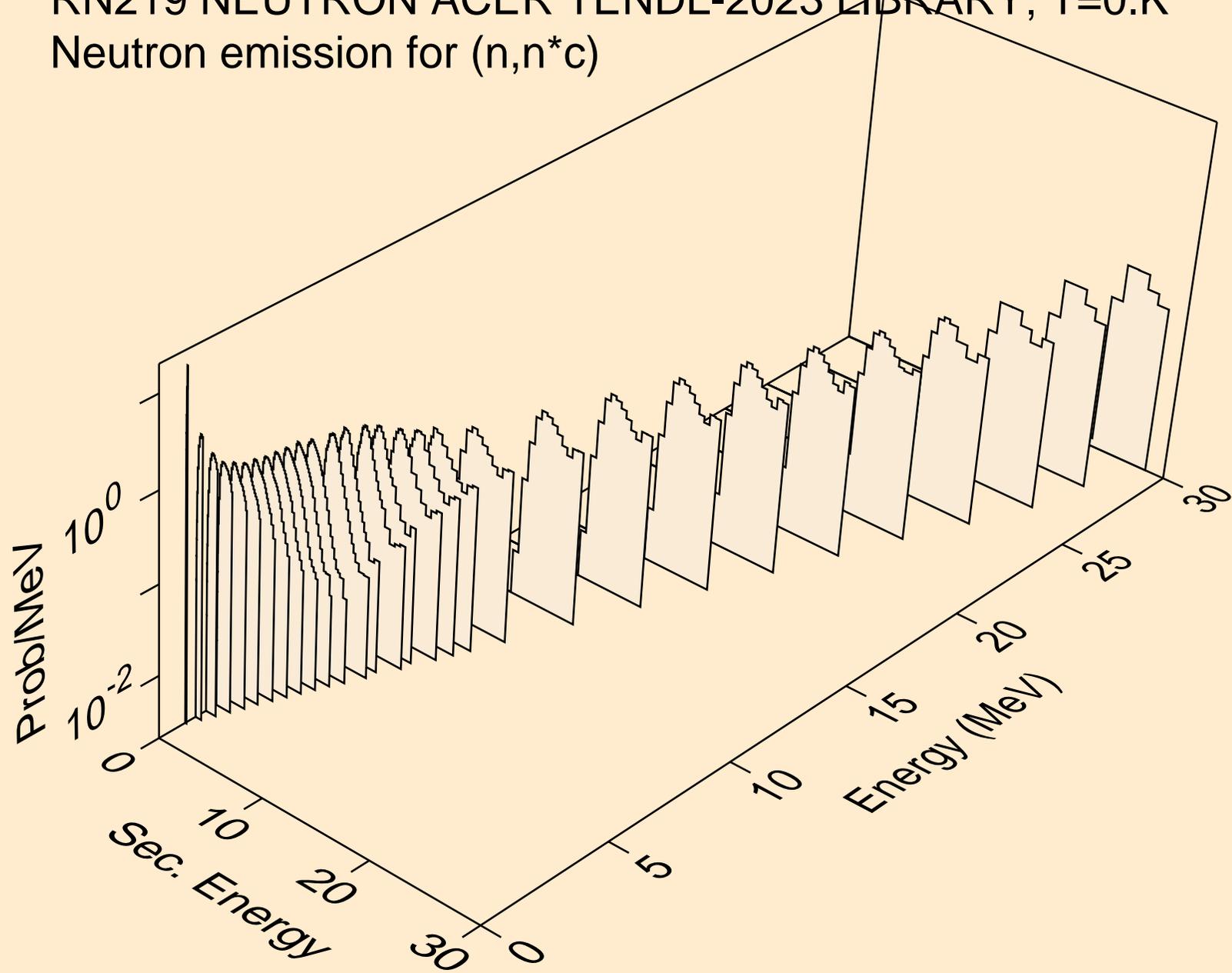
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n2p)



RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,npa)

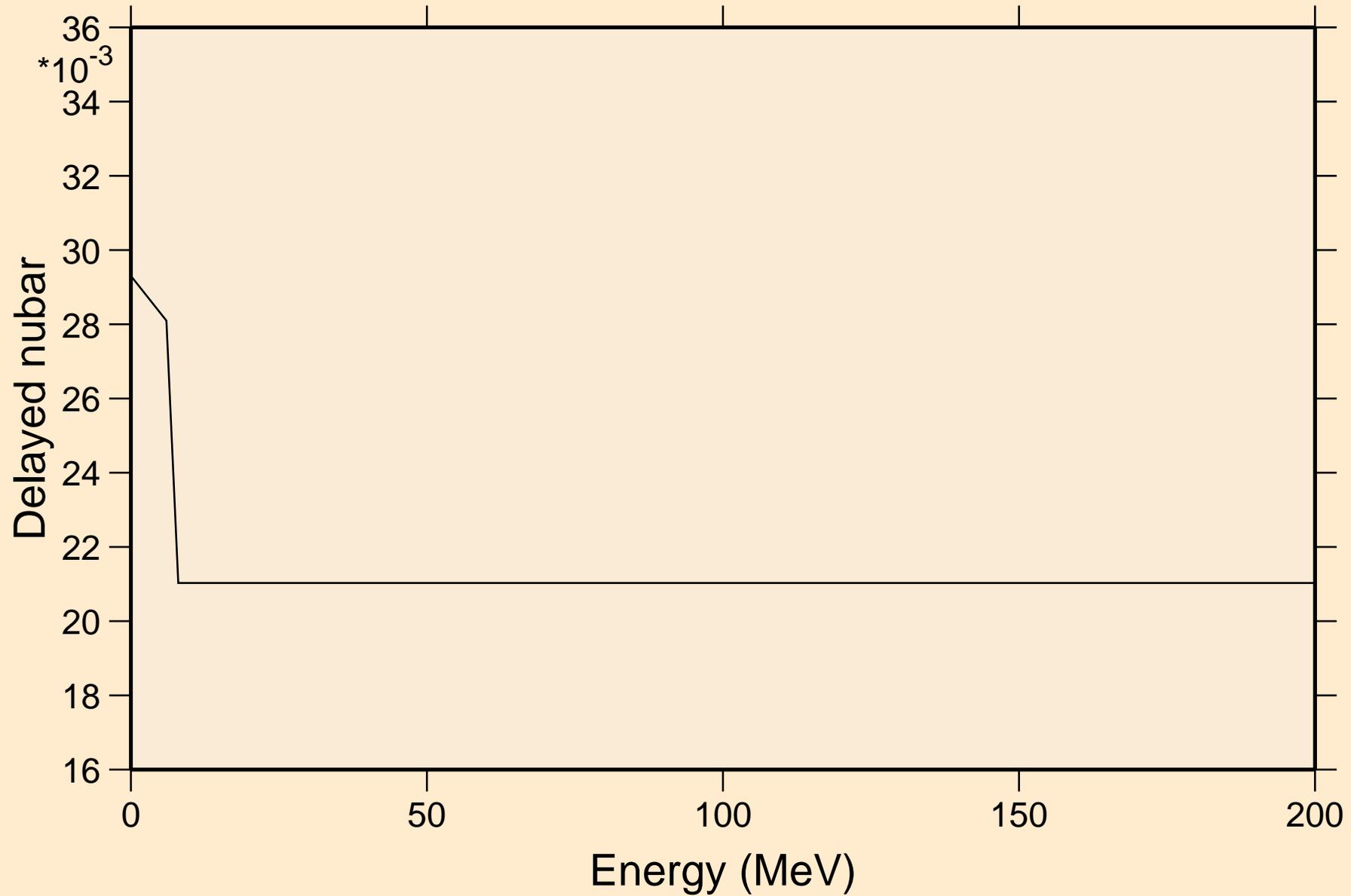


RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)



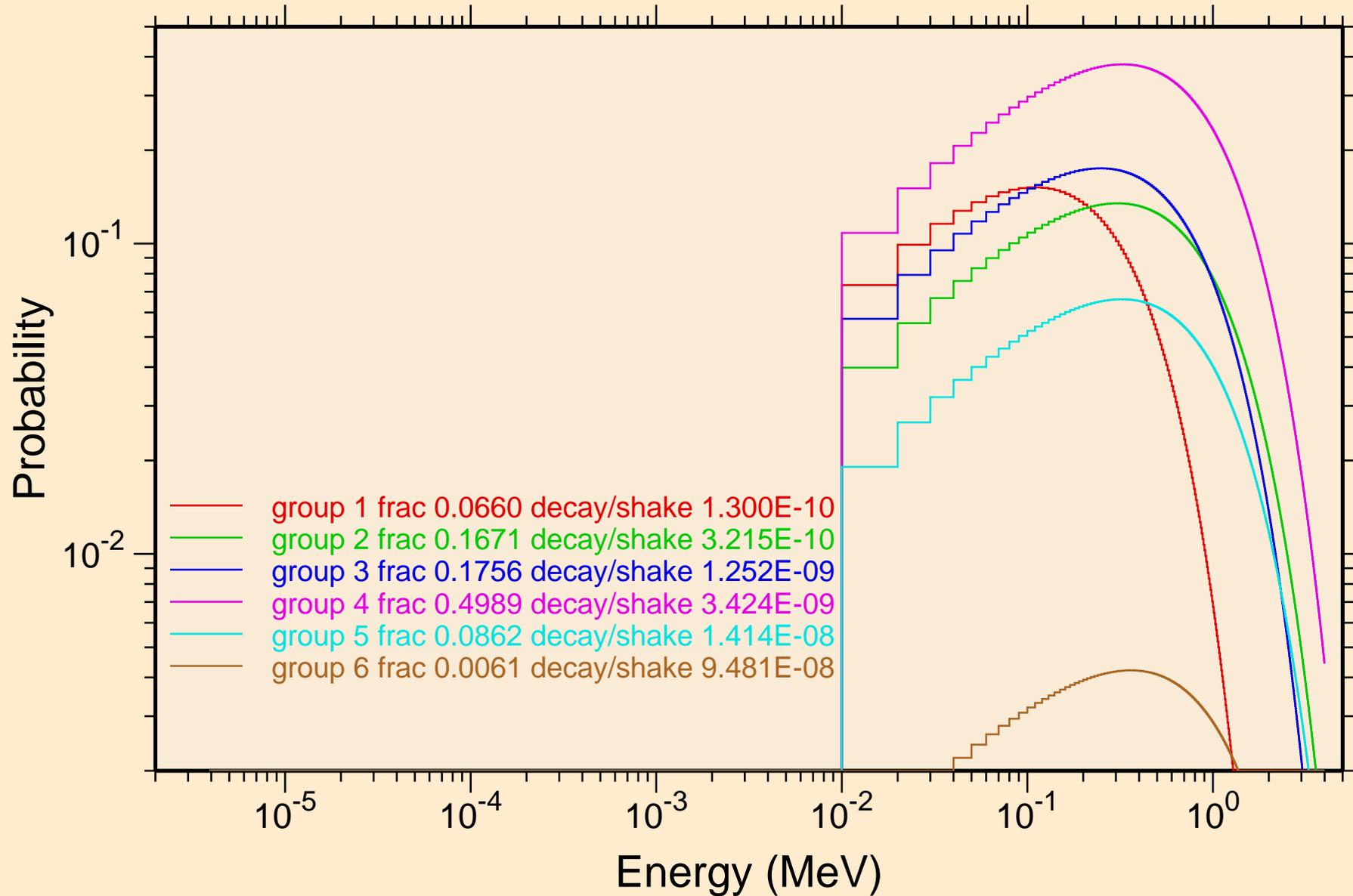
# RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Delayed nubar

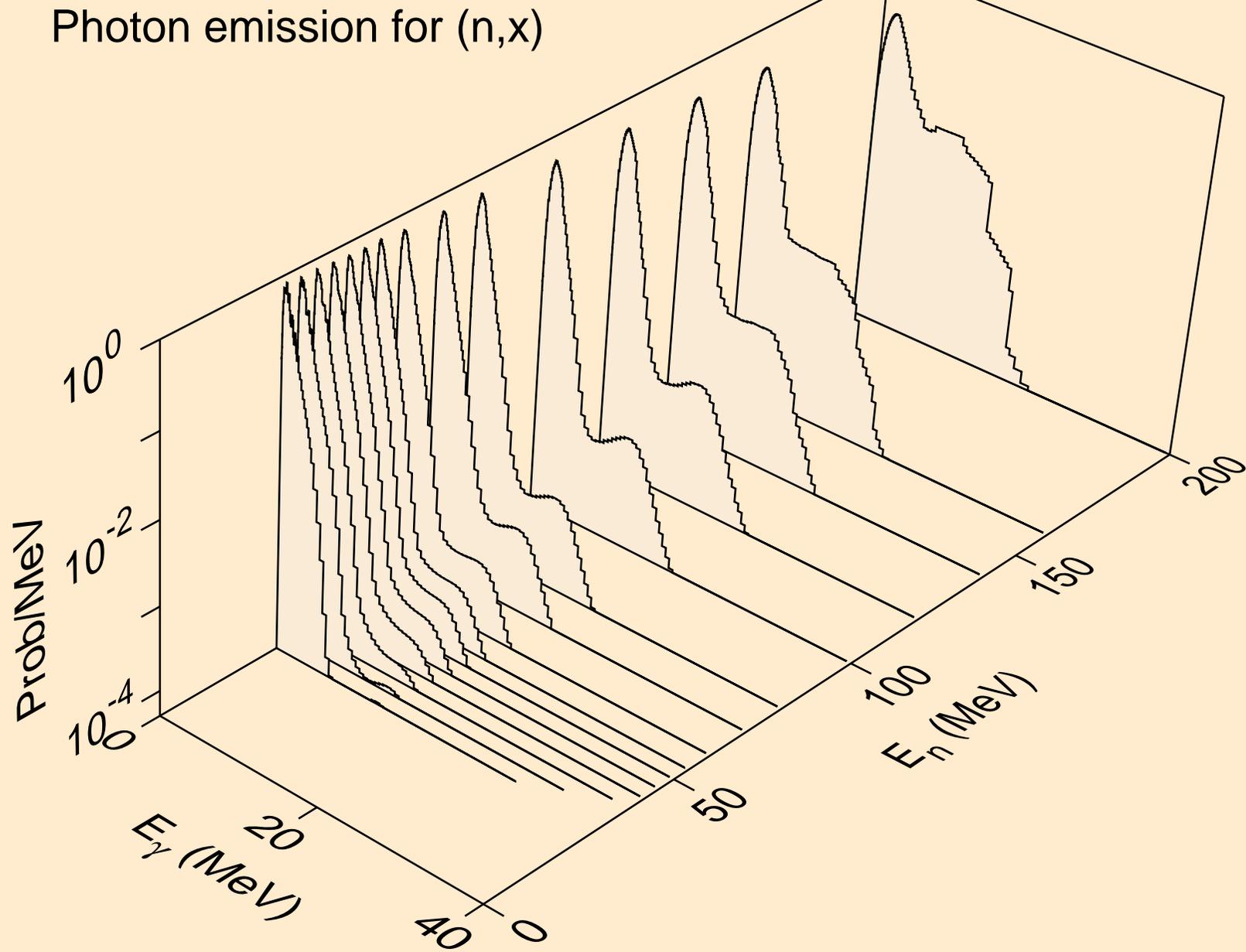


# RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

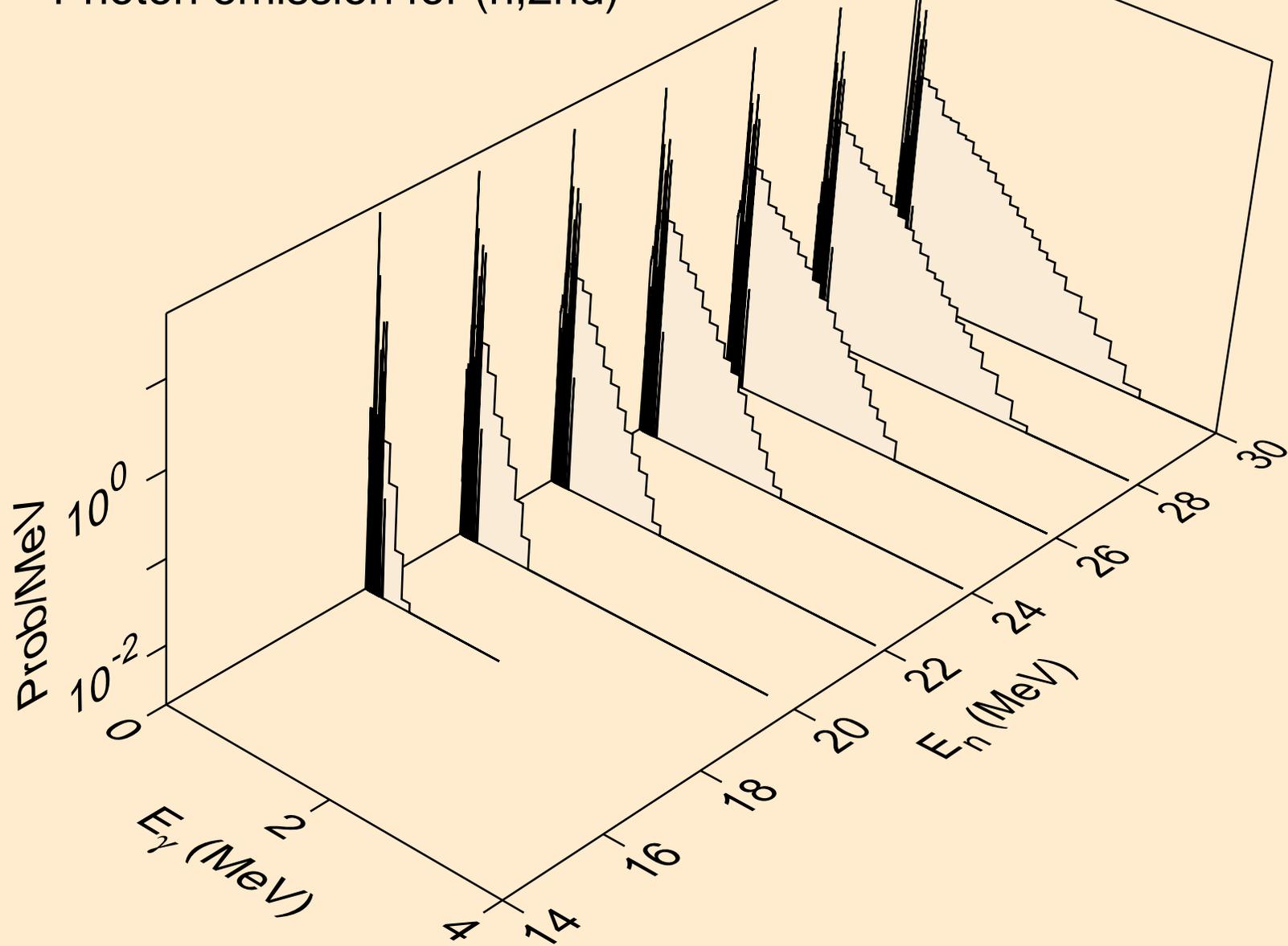
## Delayed neutron spectra



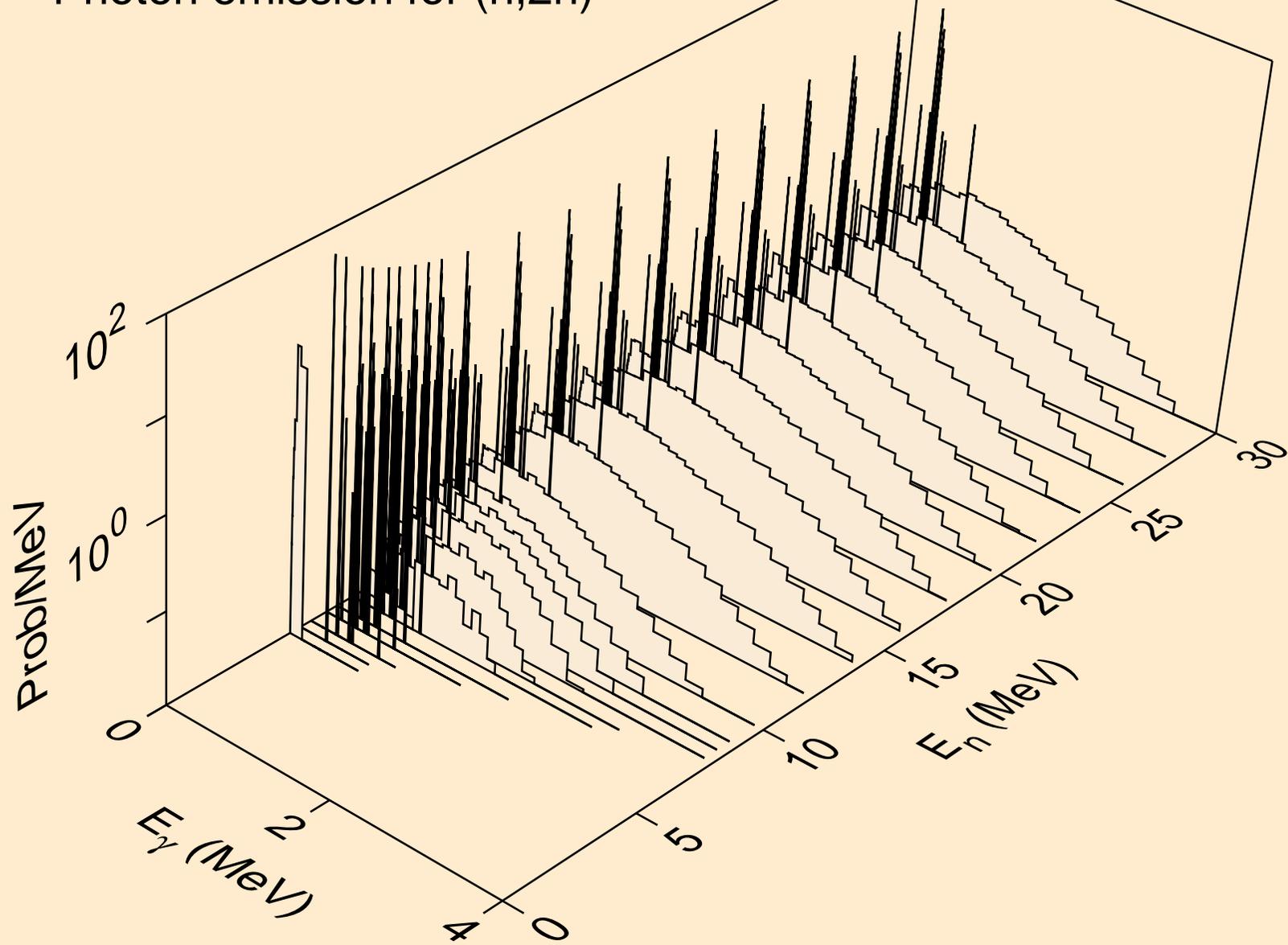
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,x)



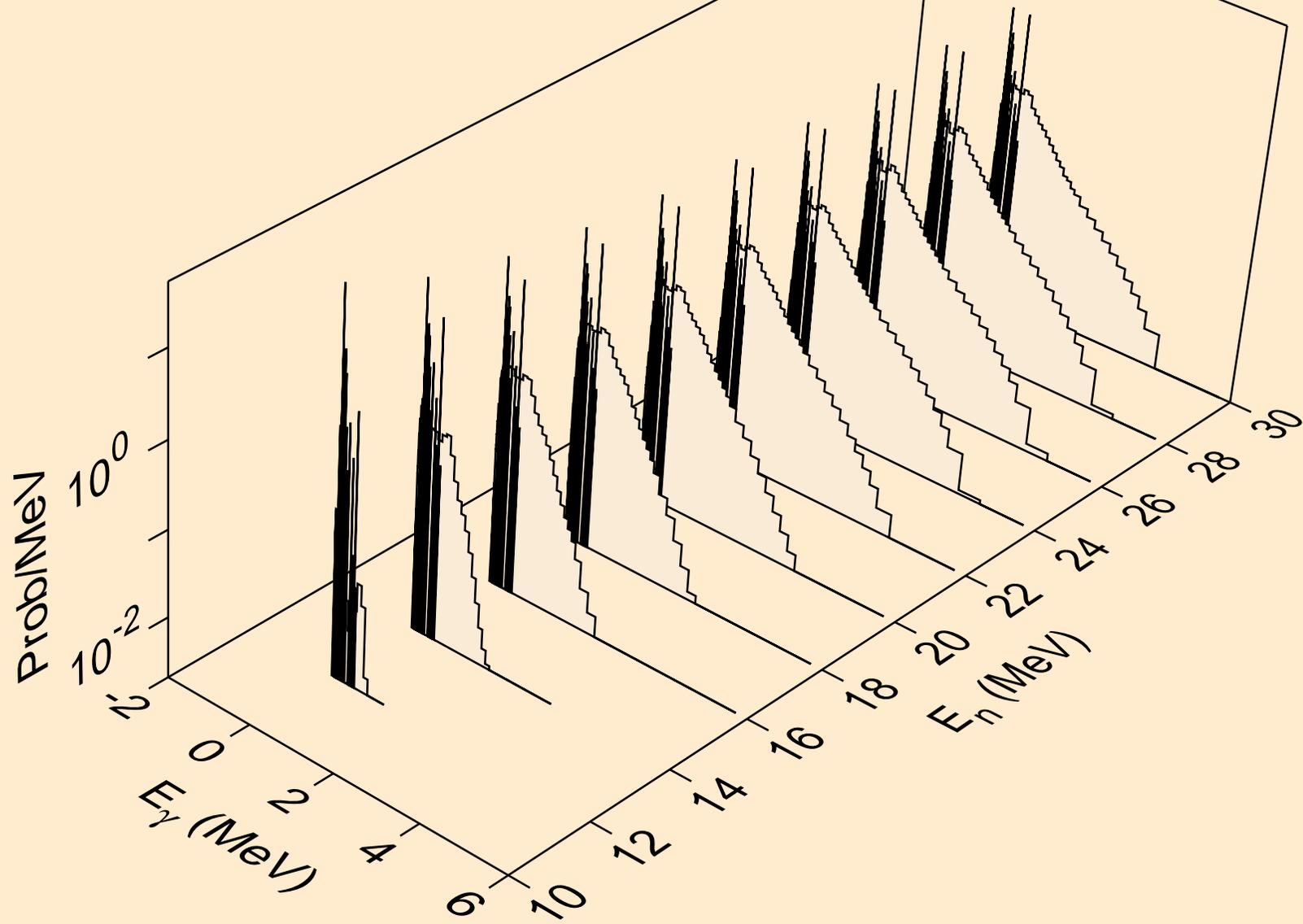
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



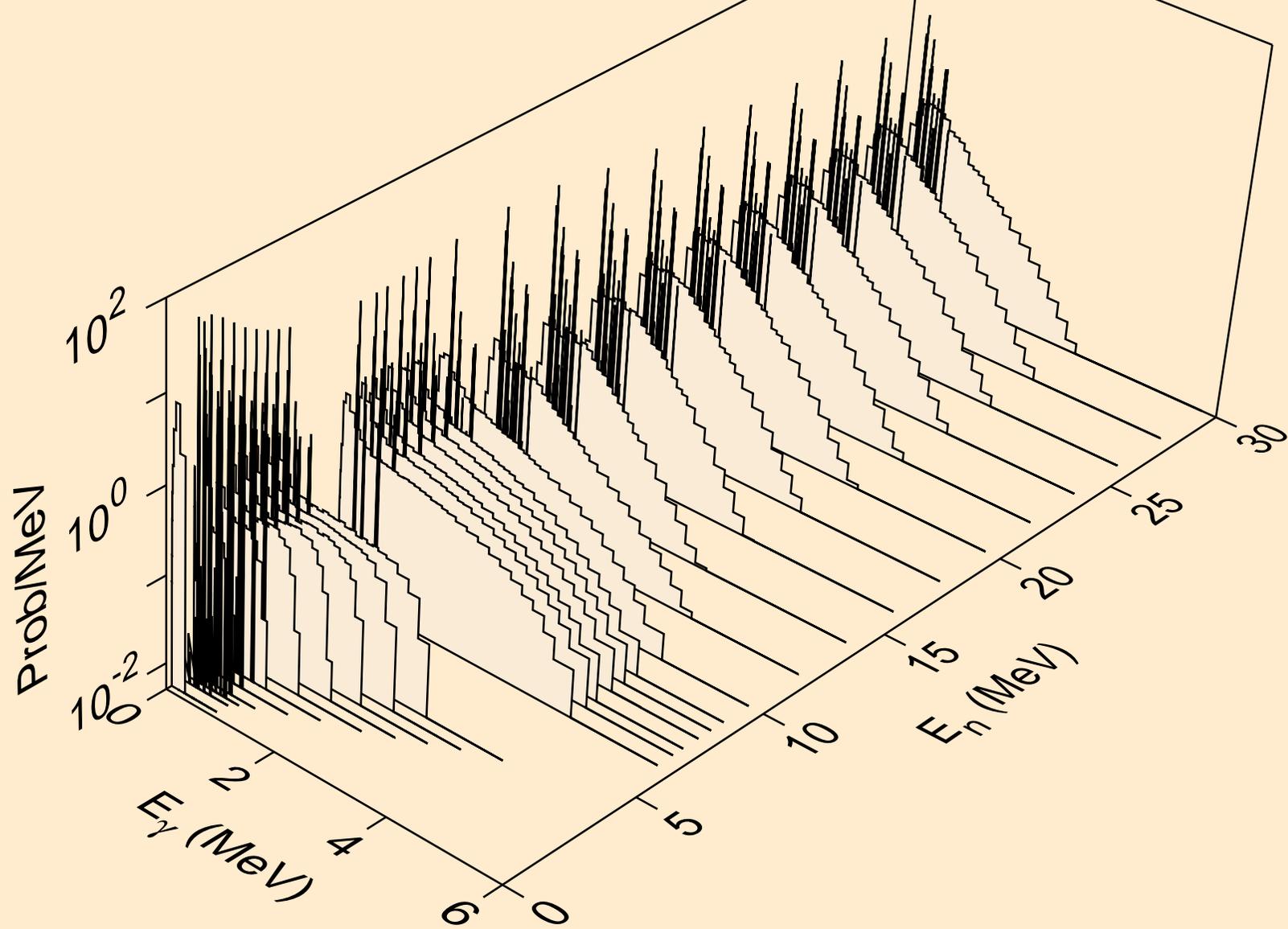
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



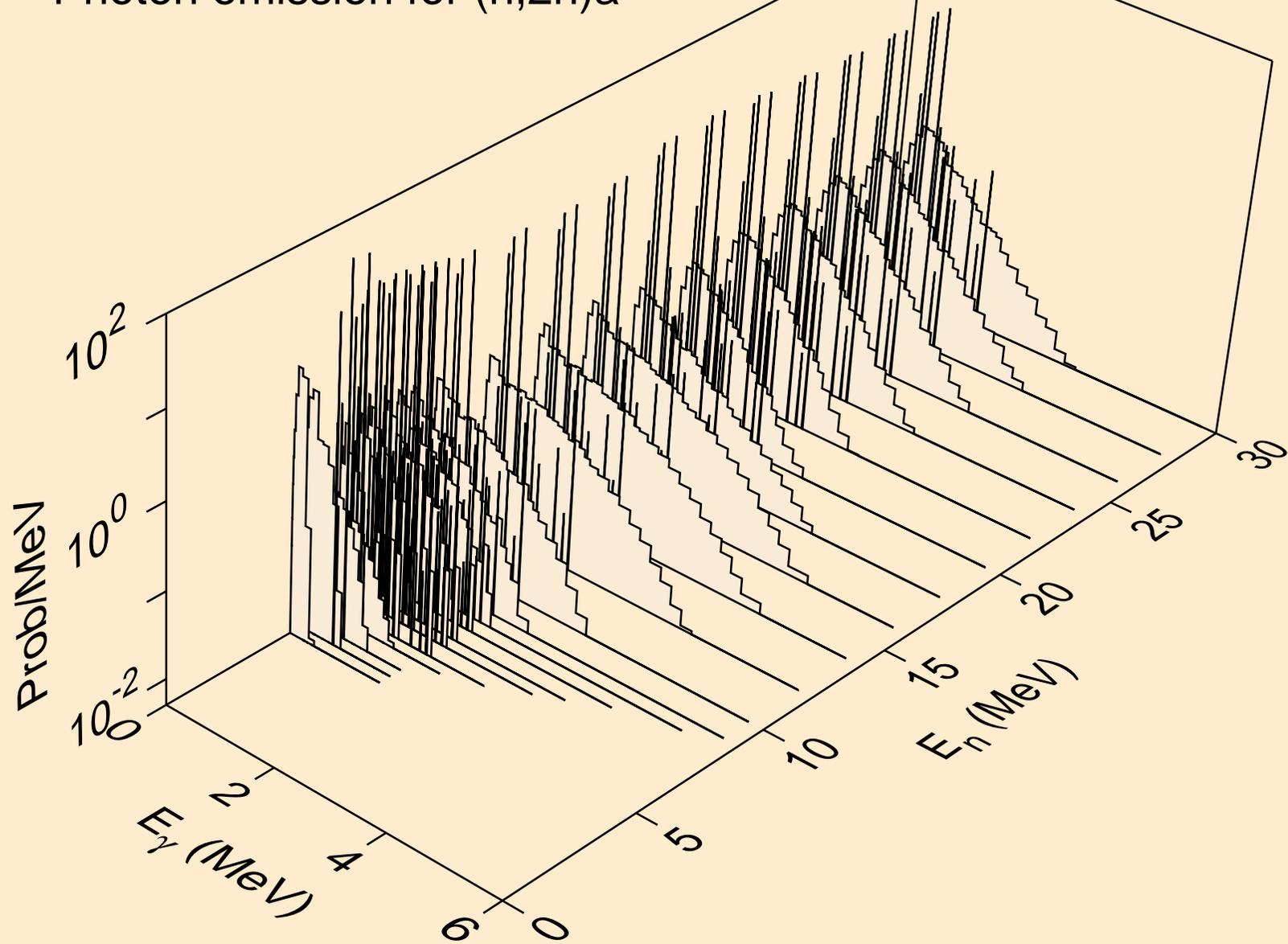
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



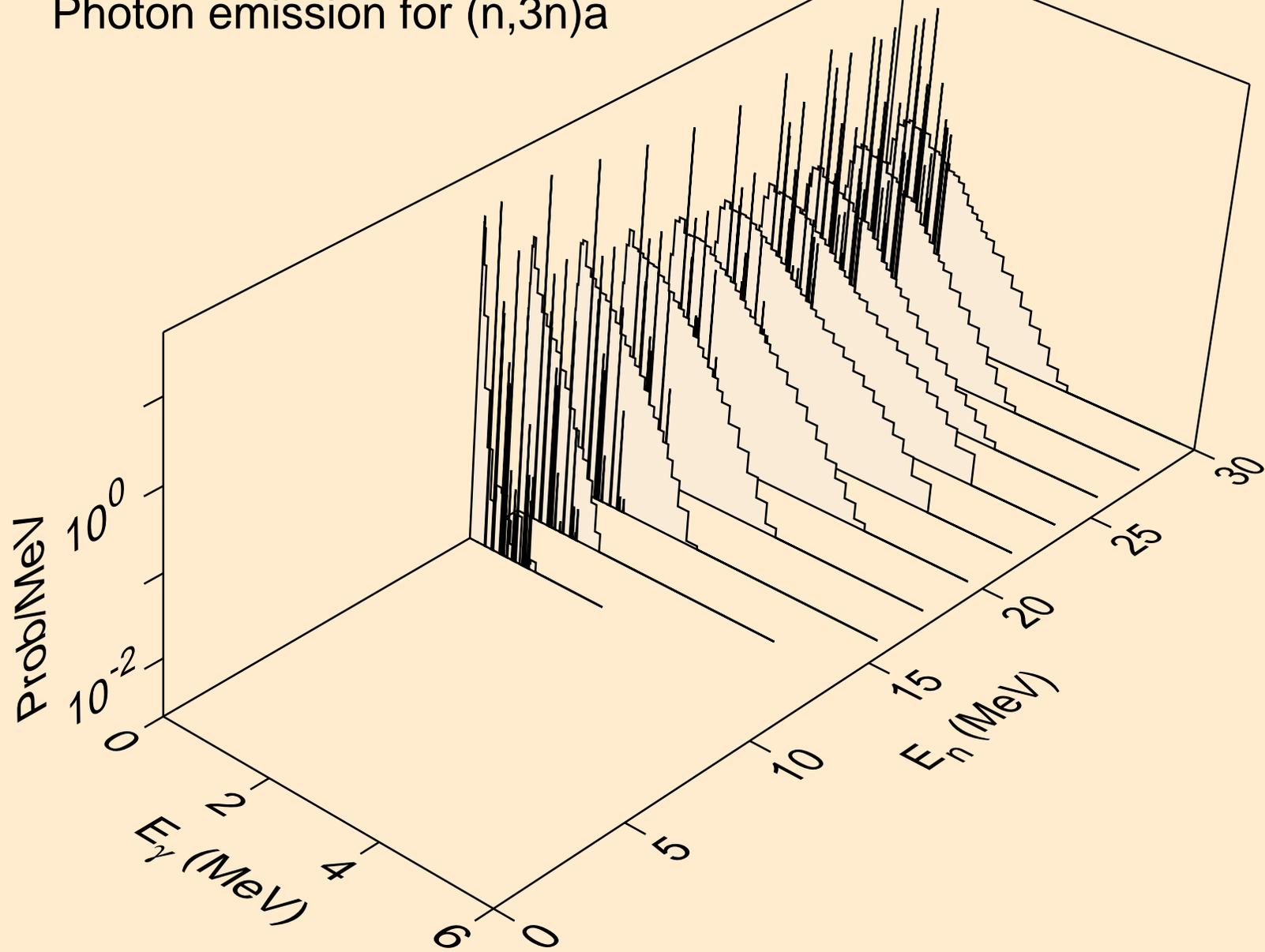
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



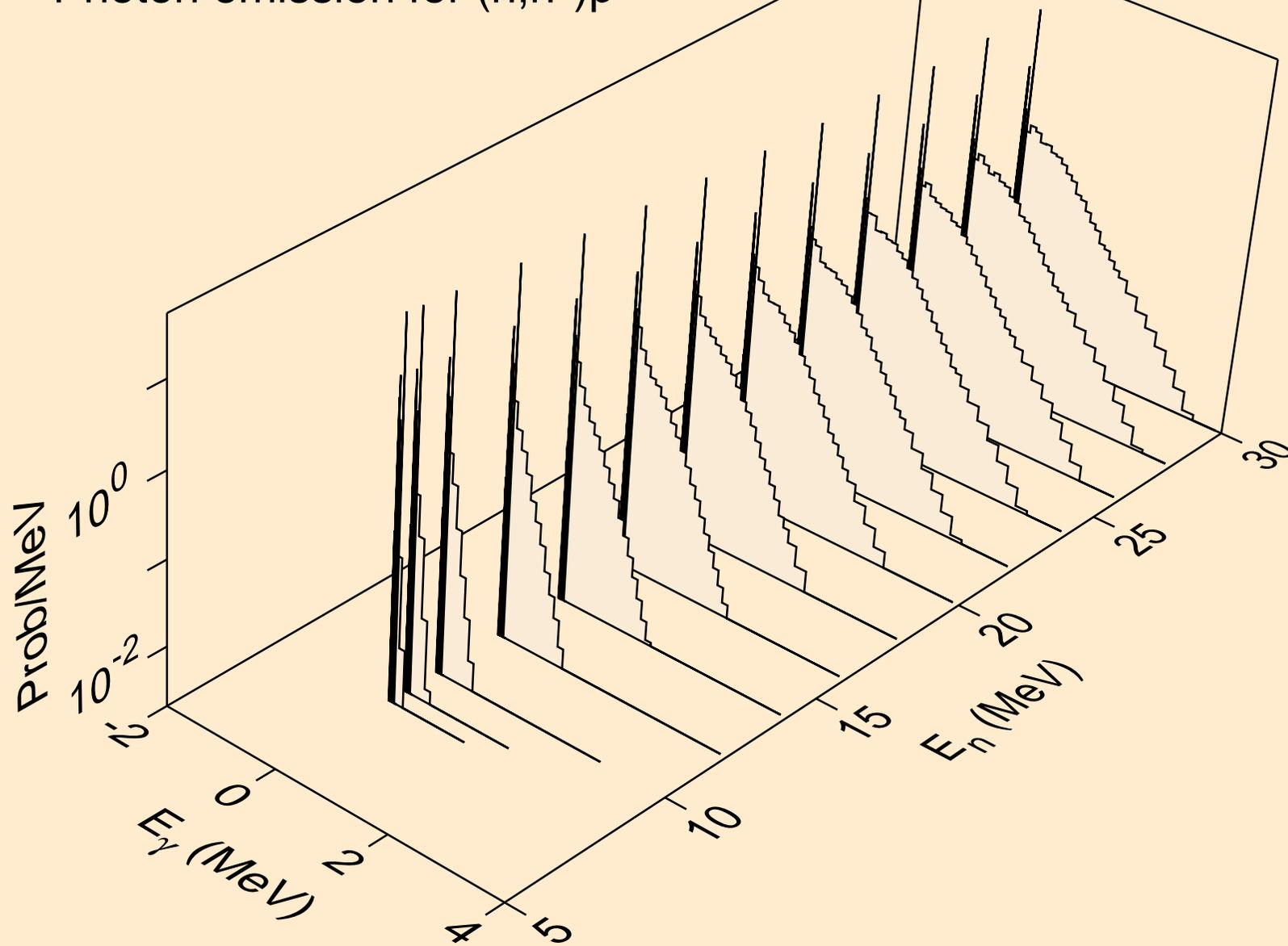
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a



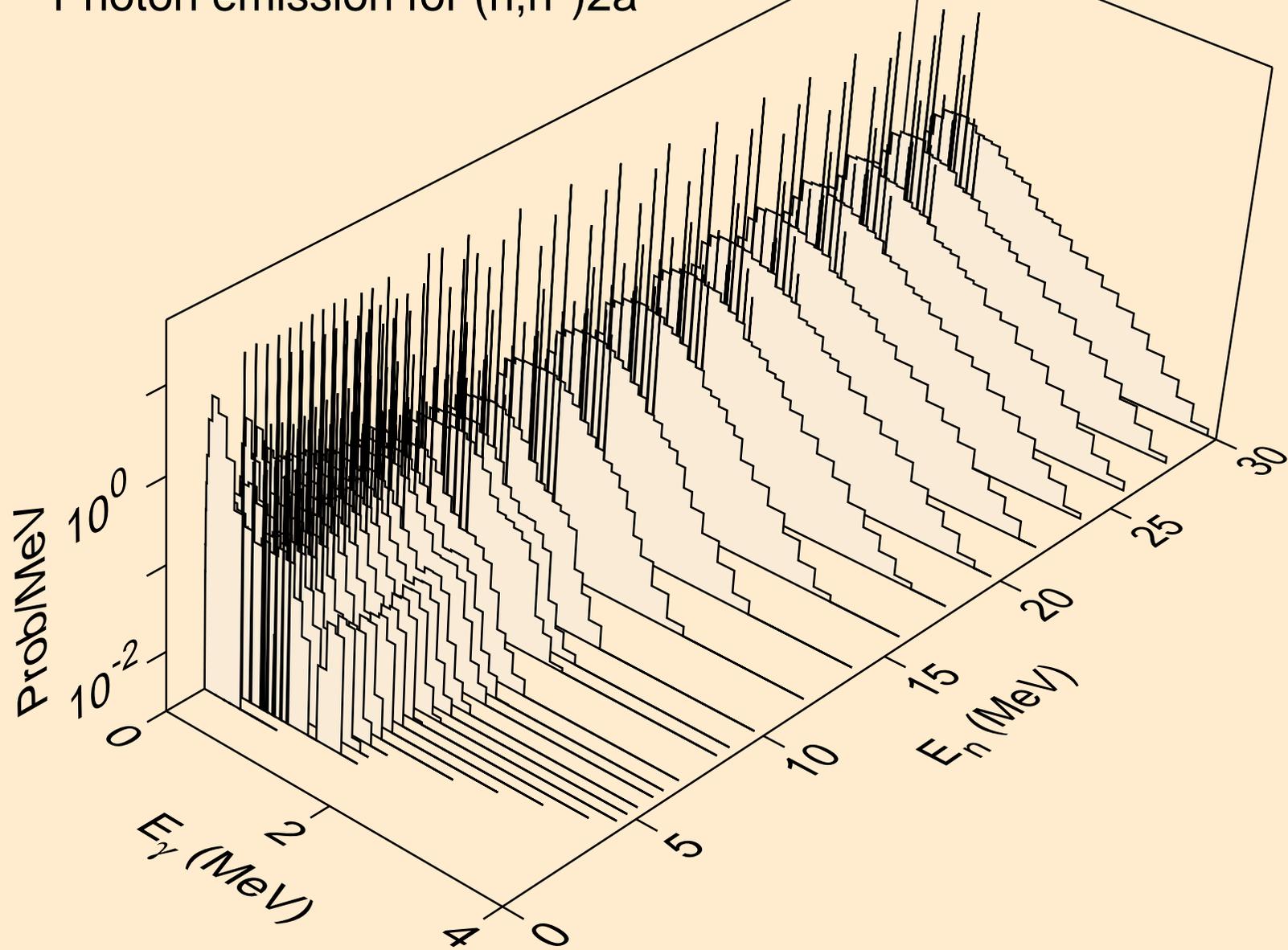
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)a



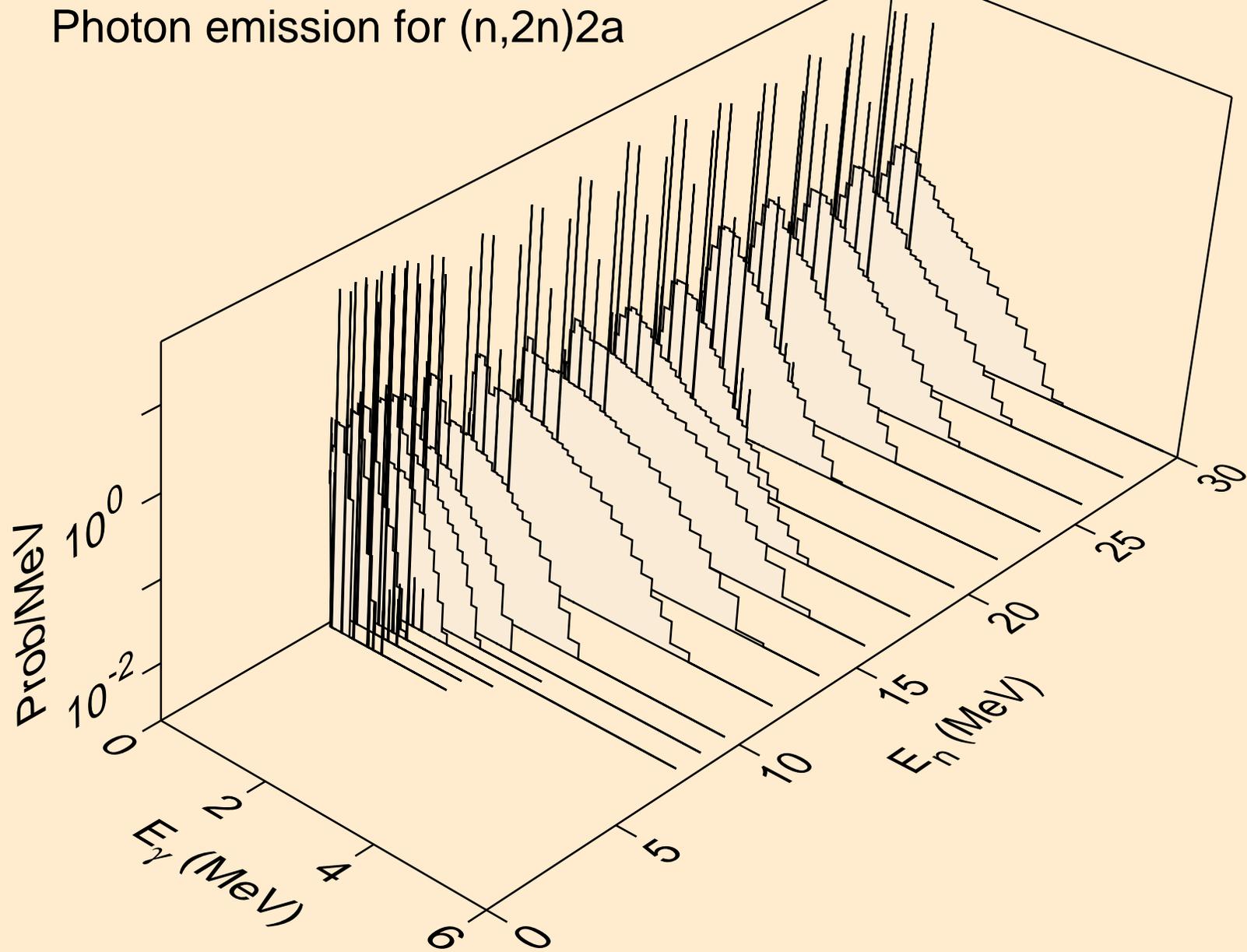
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



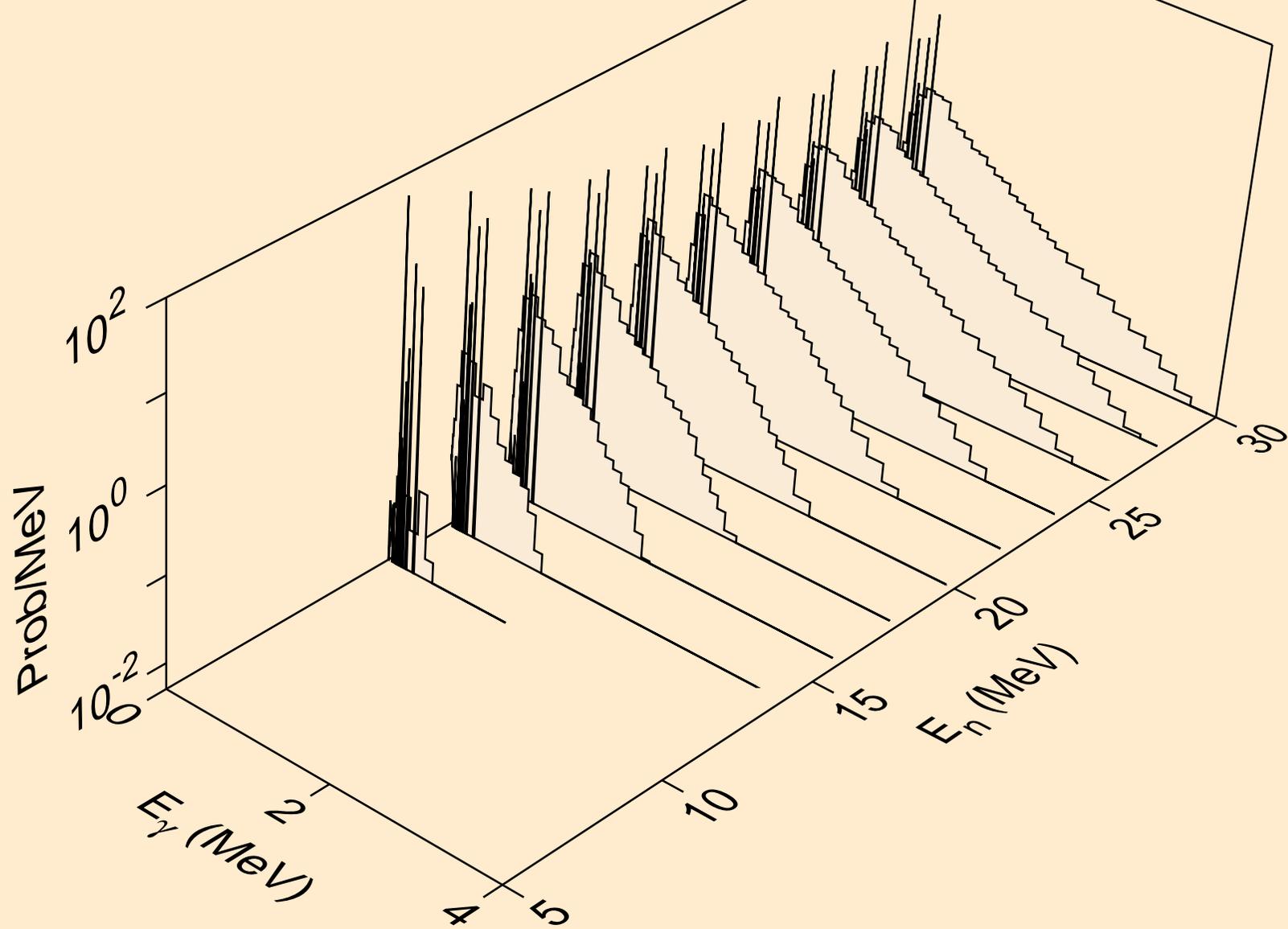
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



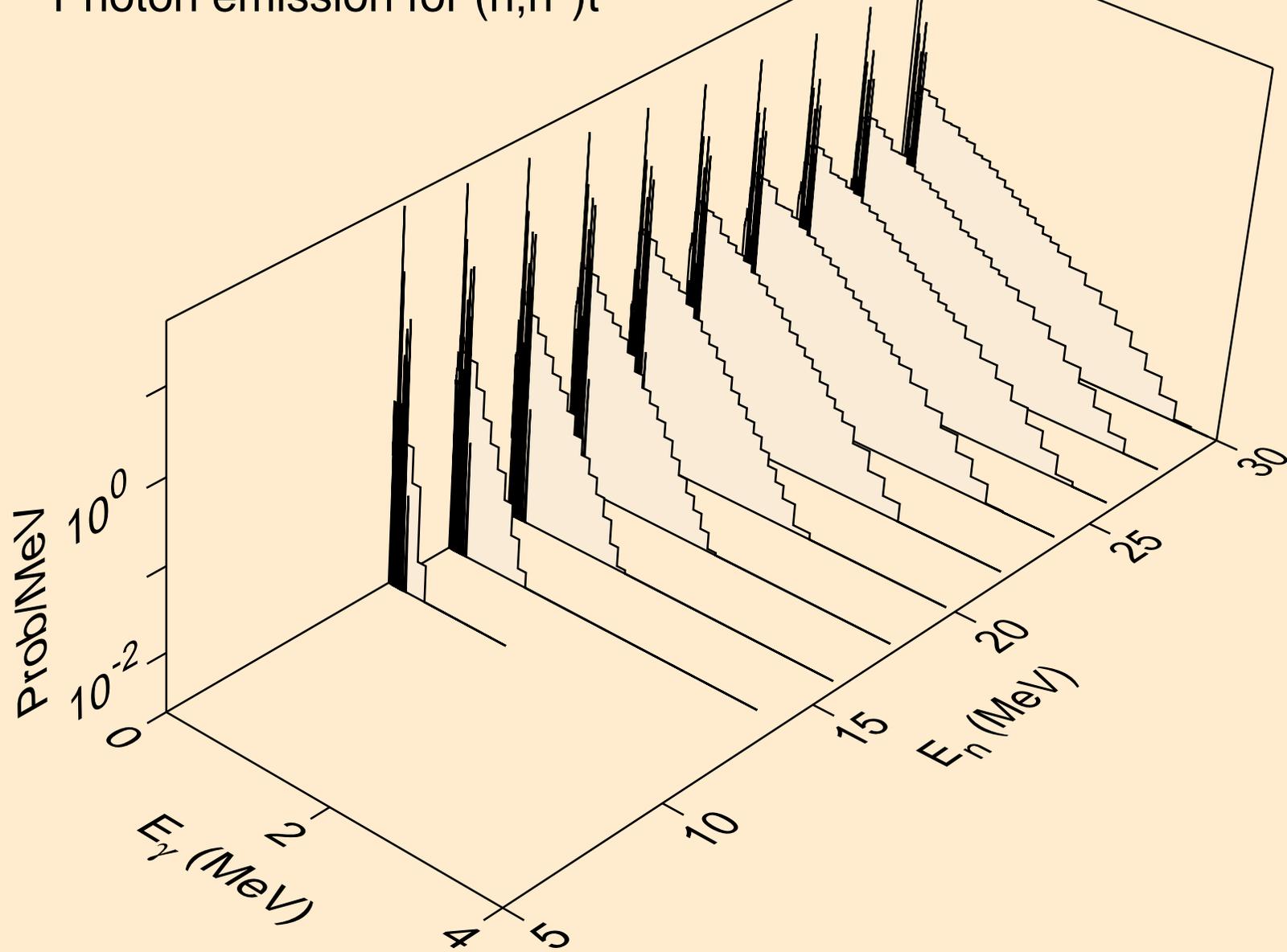
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)2a



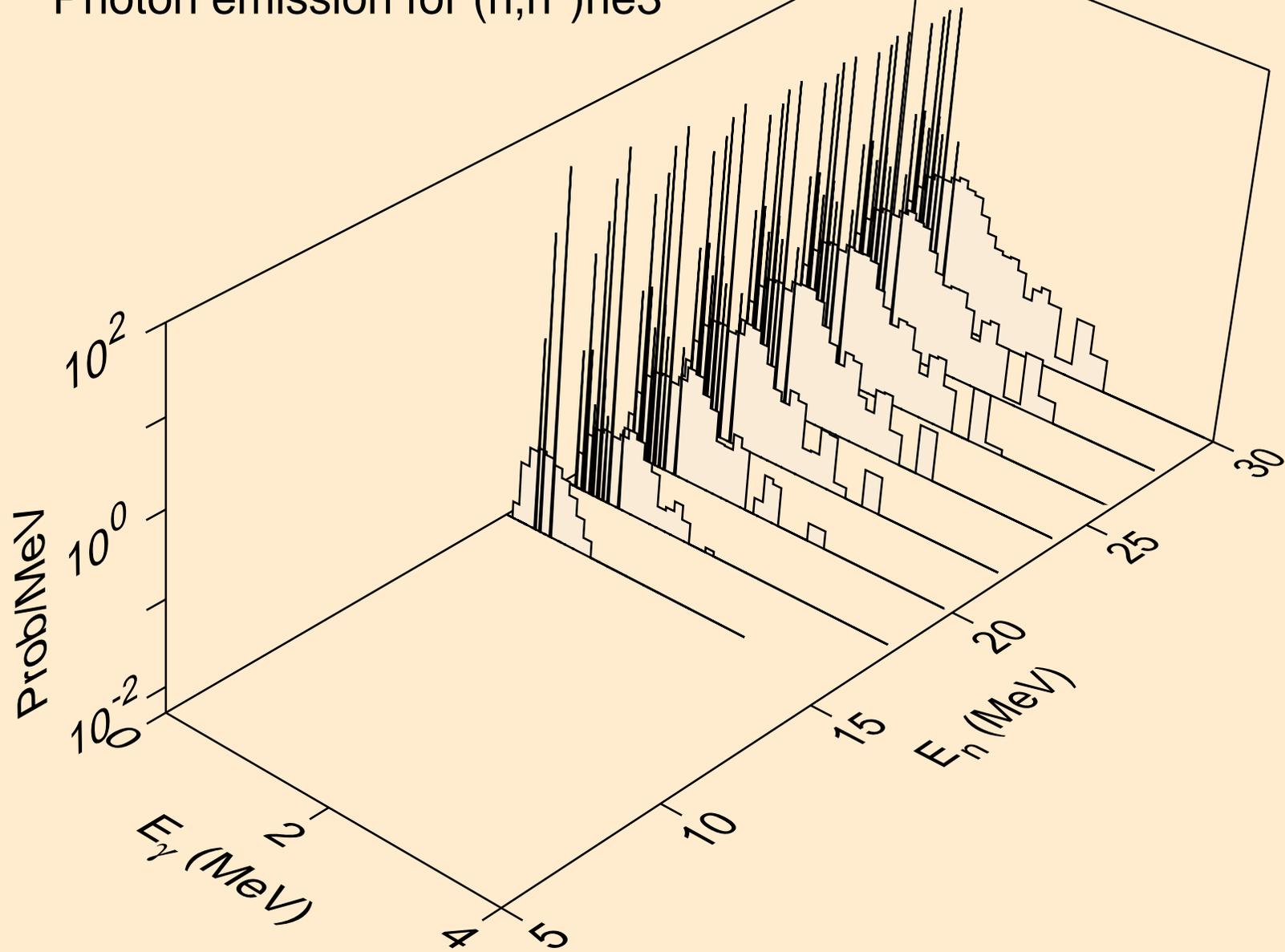
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



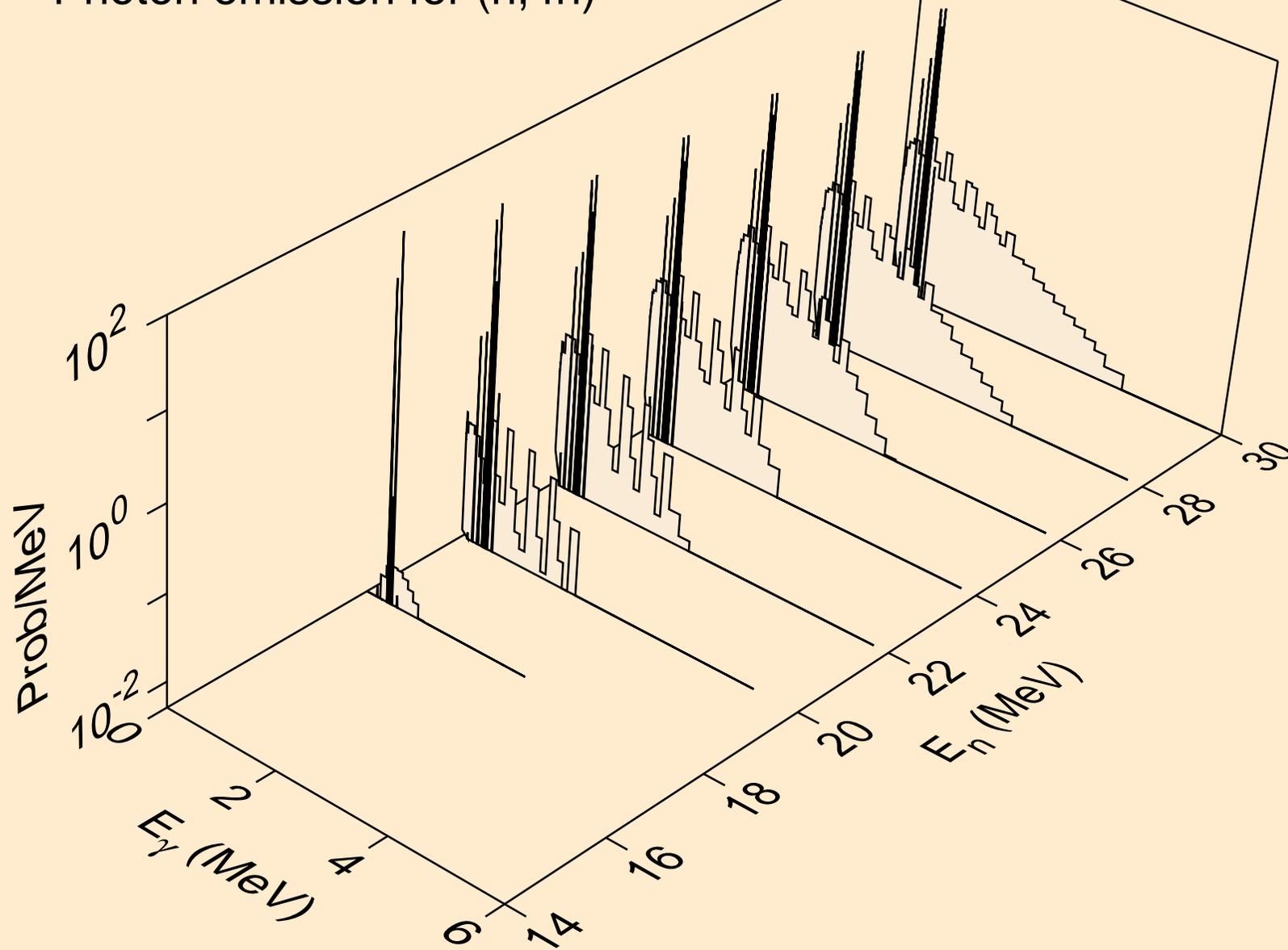
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



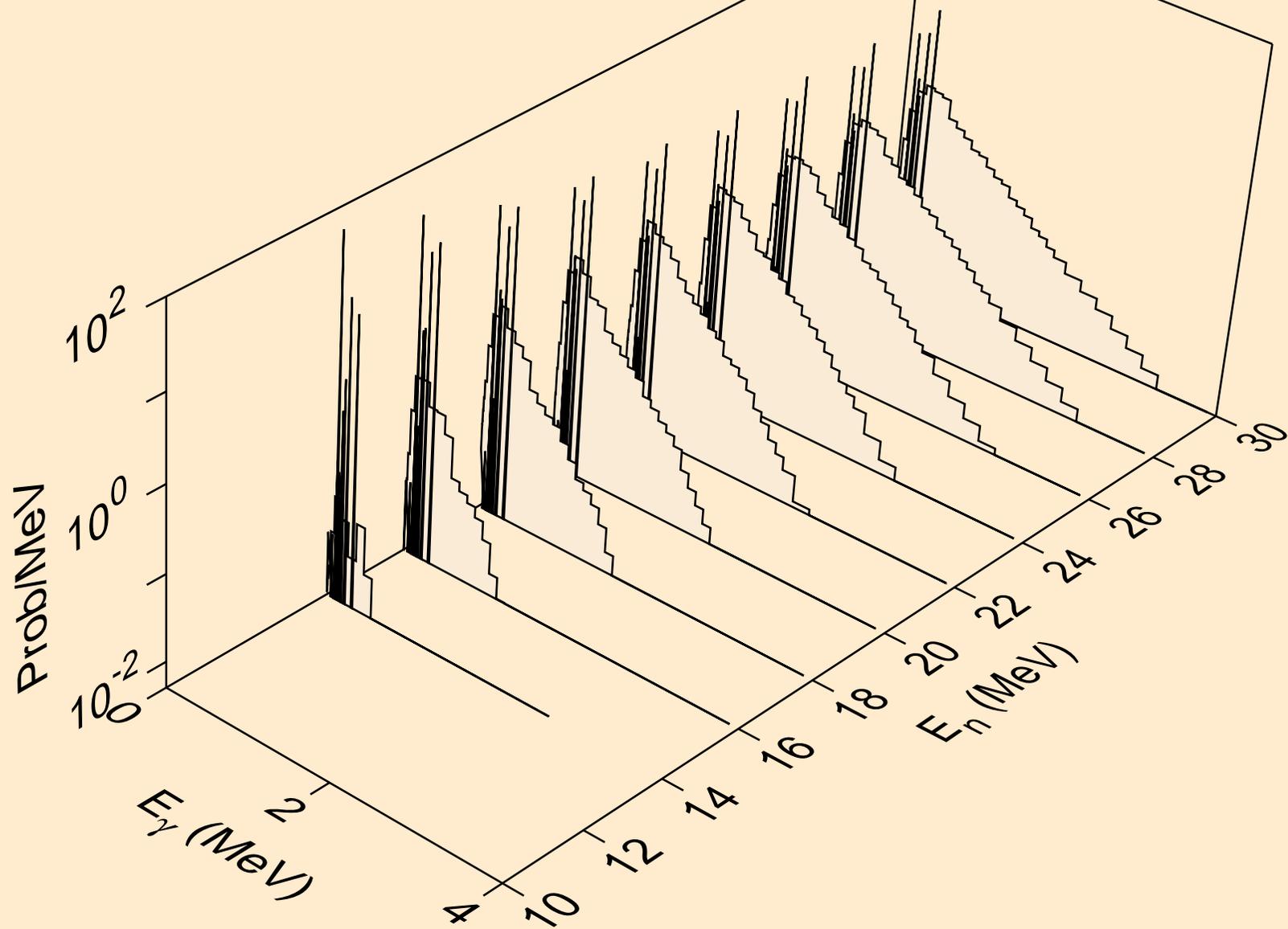
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



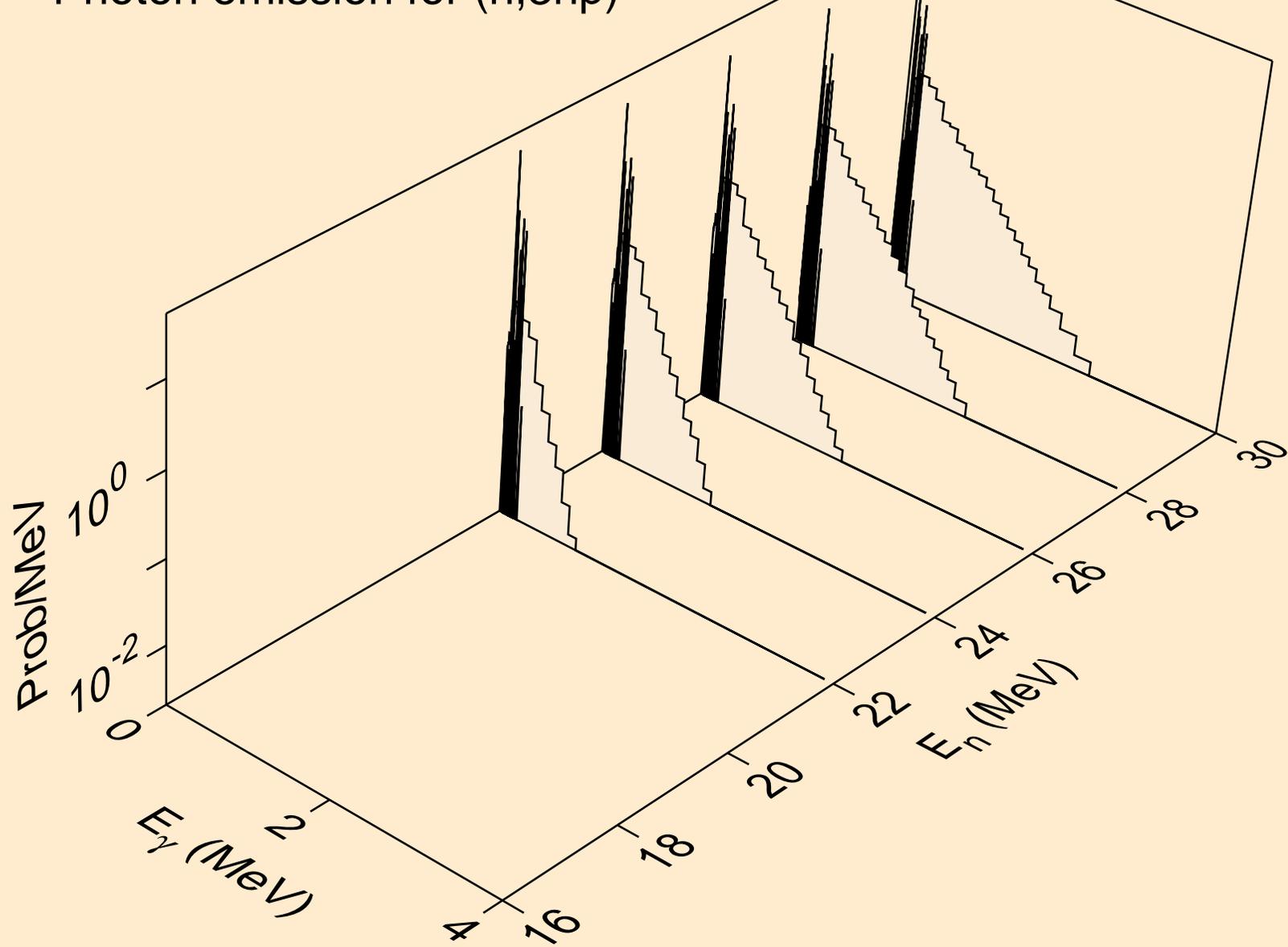
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,4n)



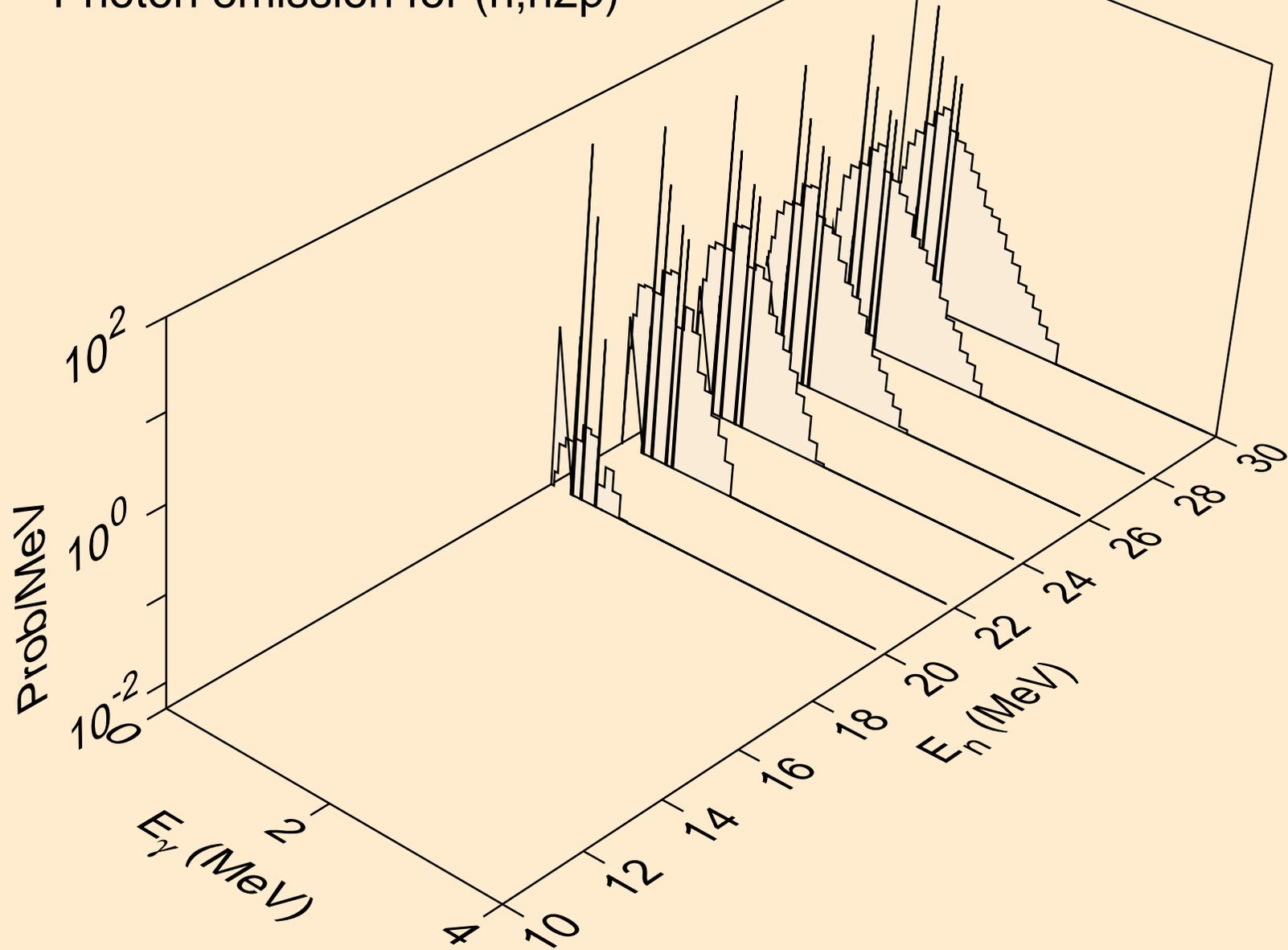
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)



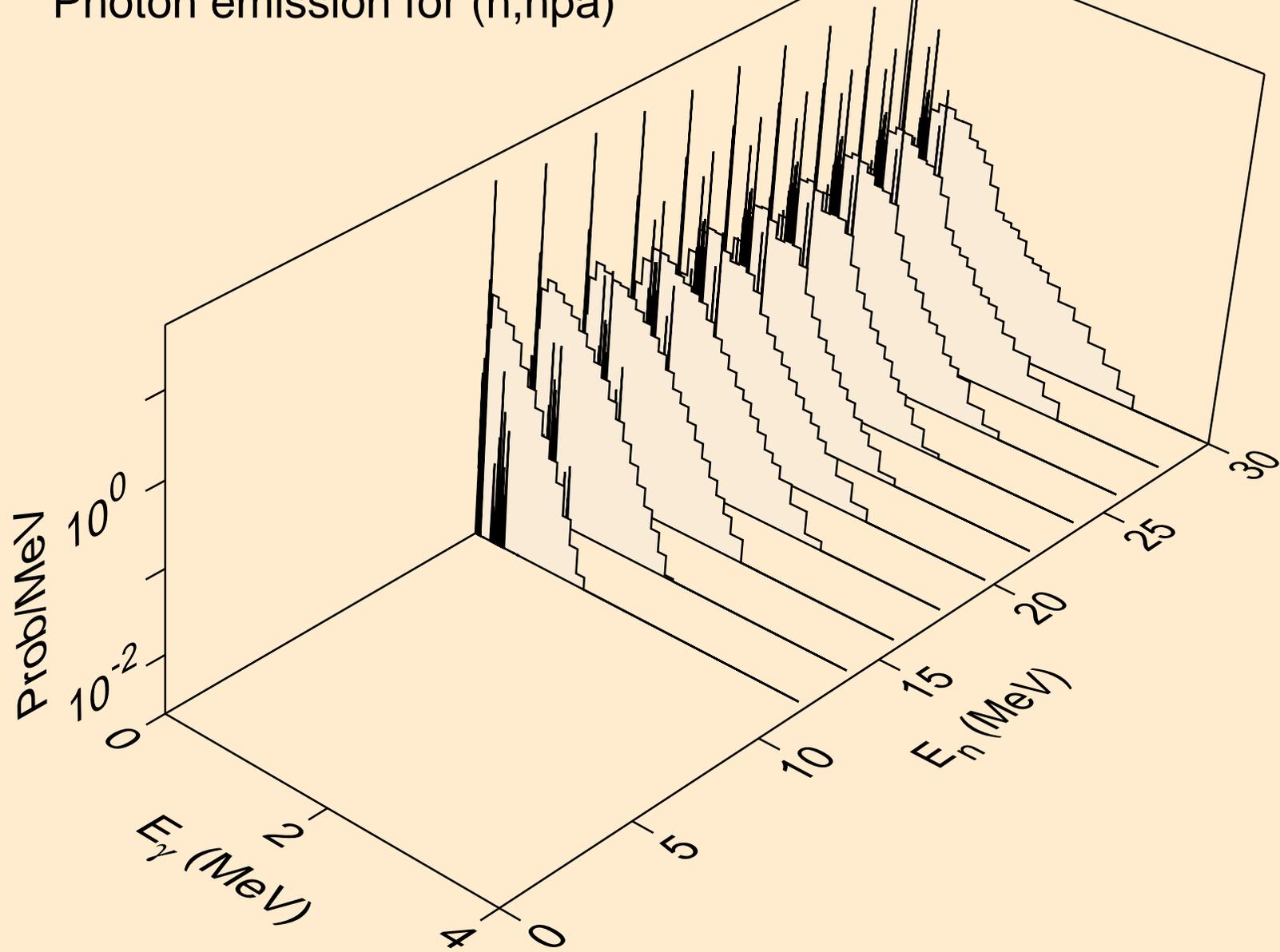
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3np)



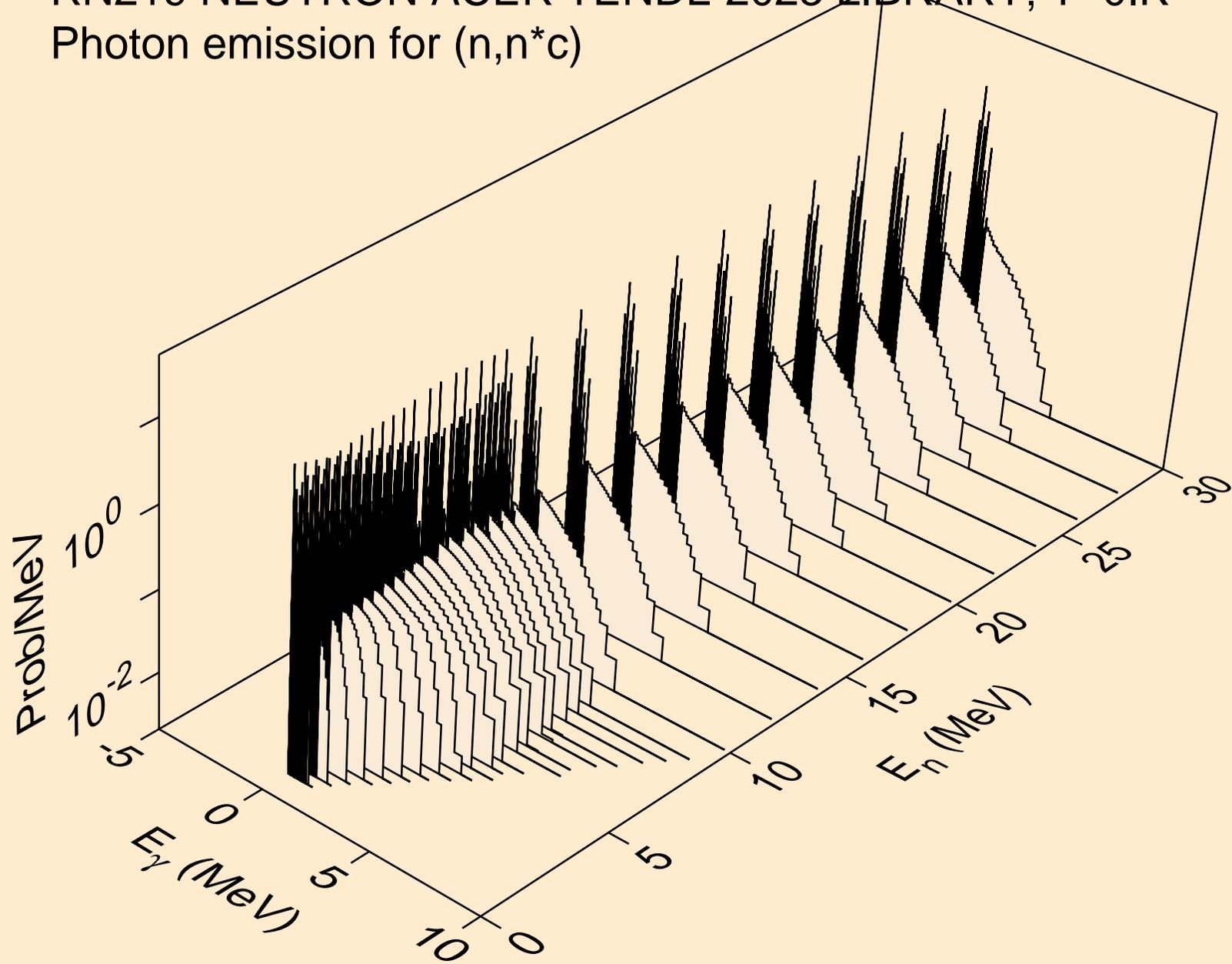
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)



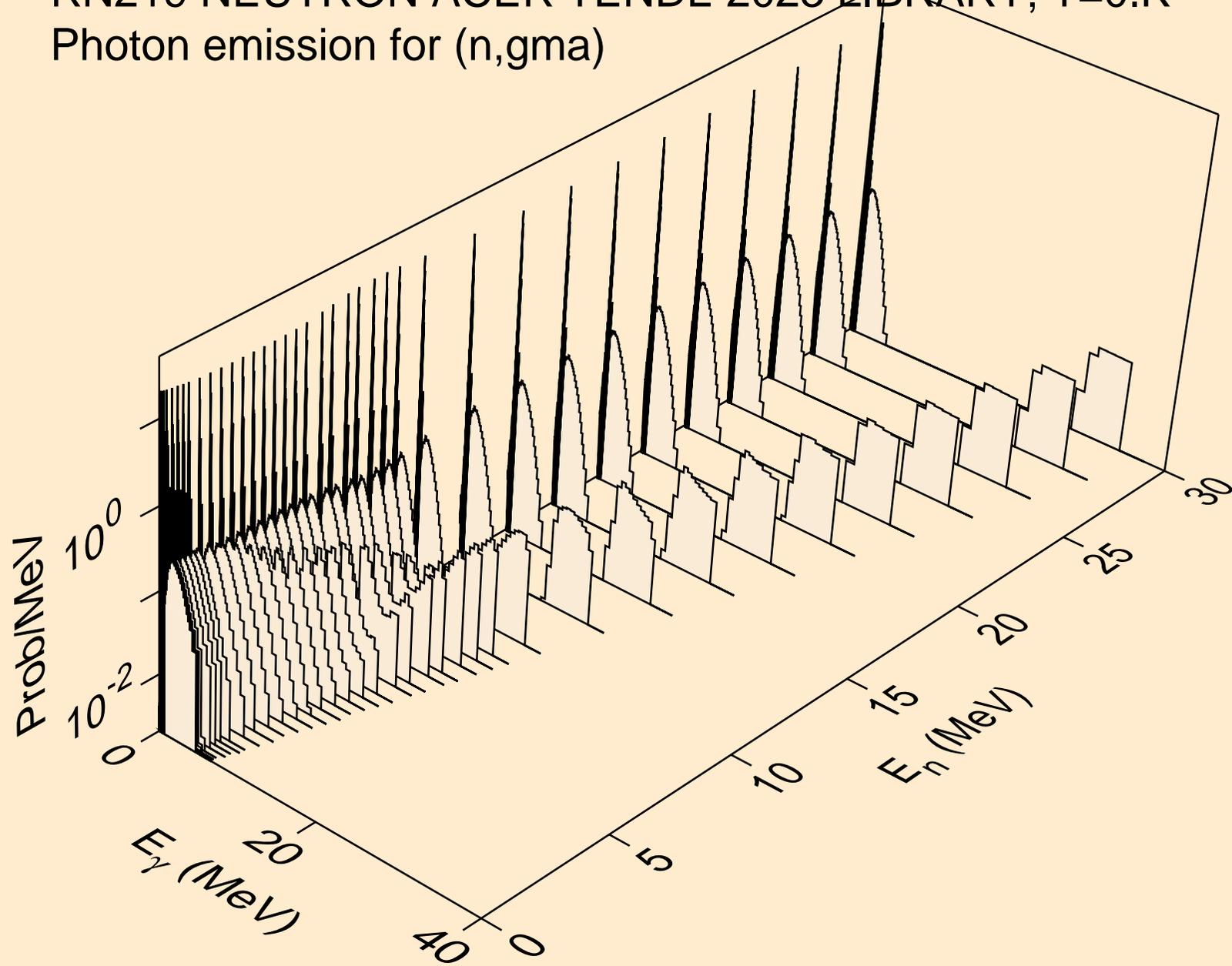
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,npa)



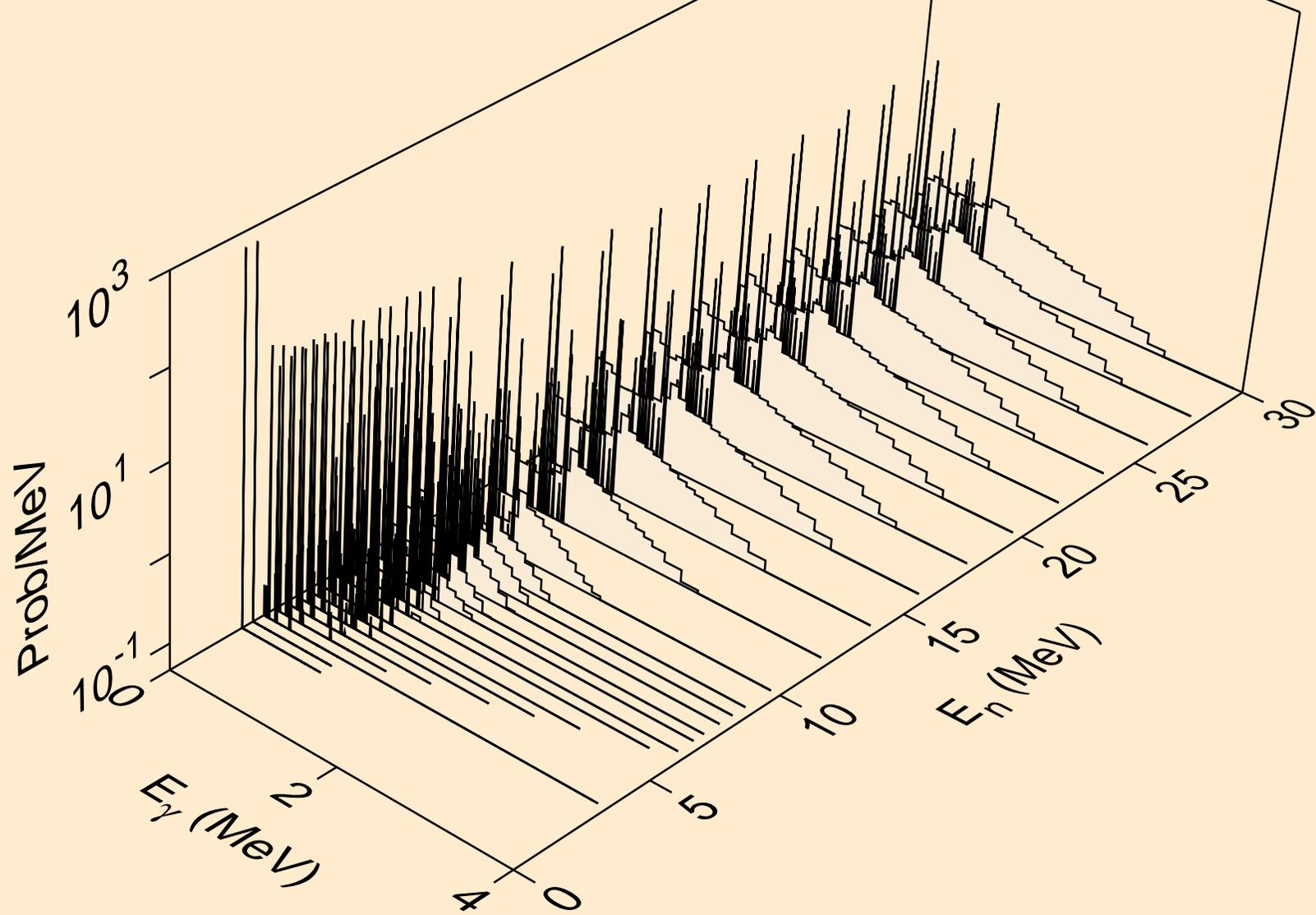
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*c)



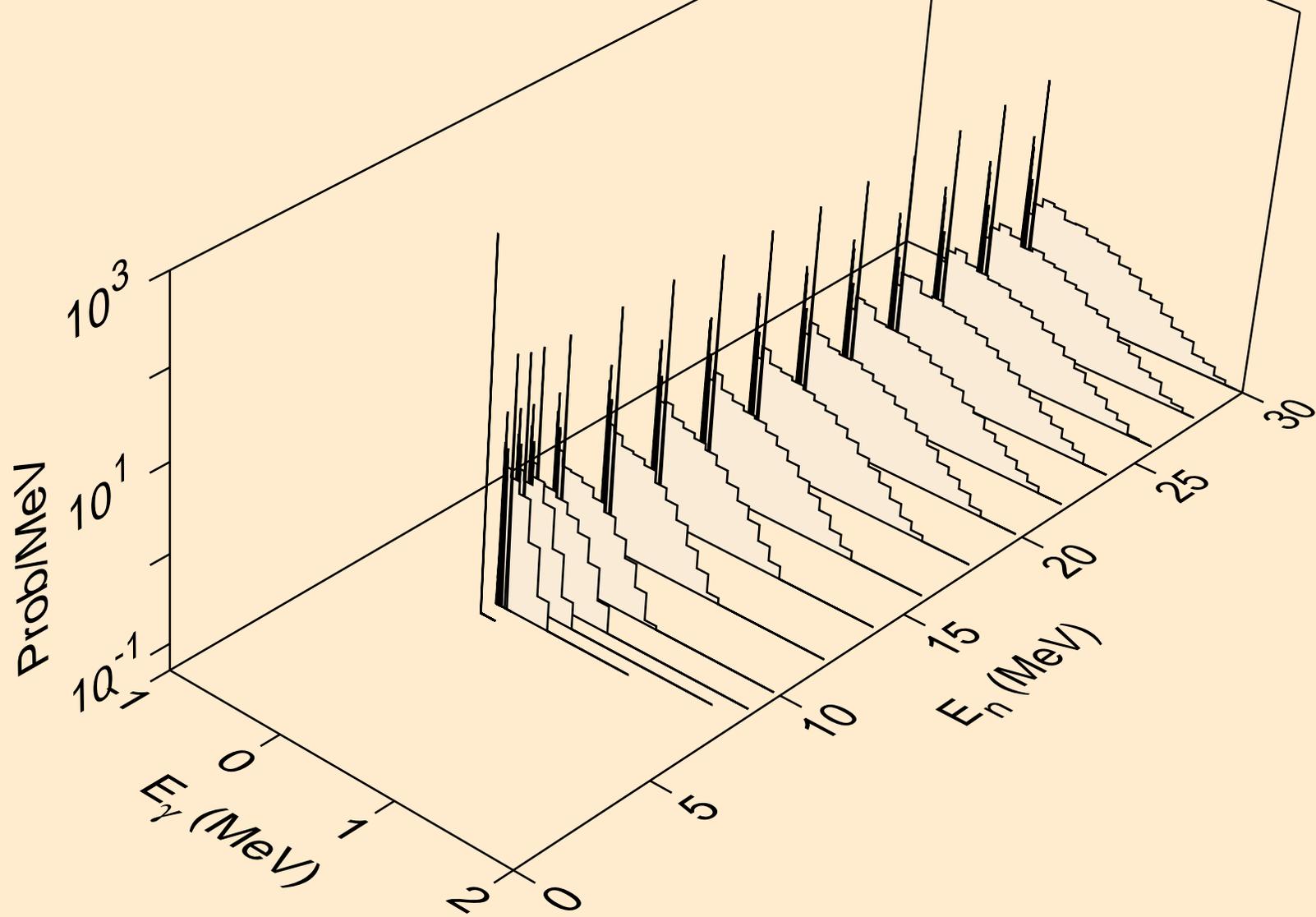
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)



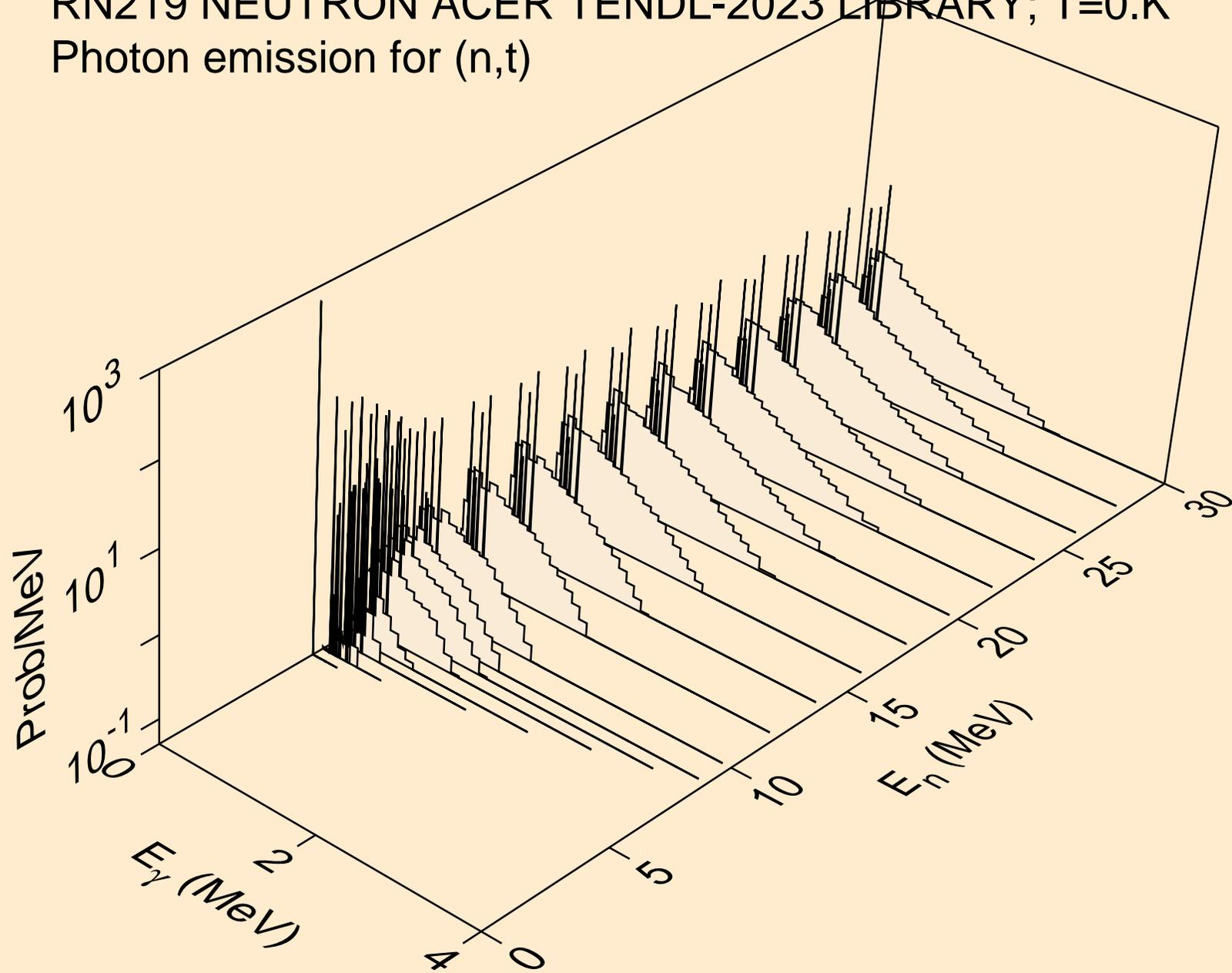
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)



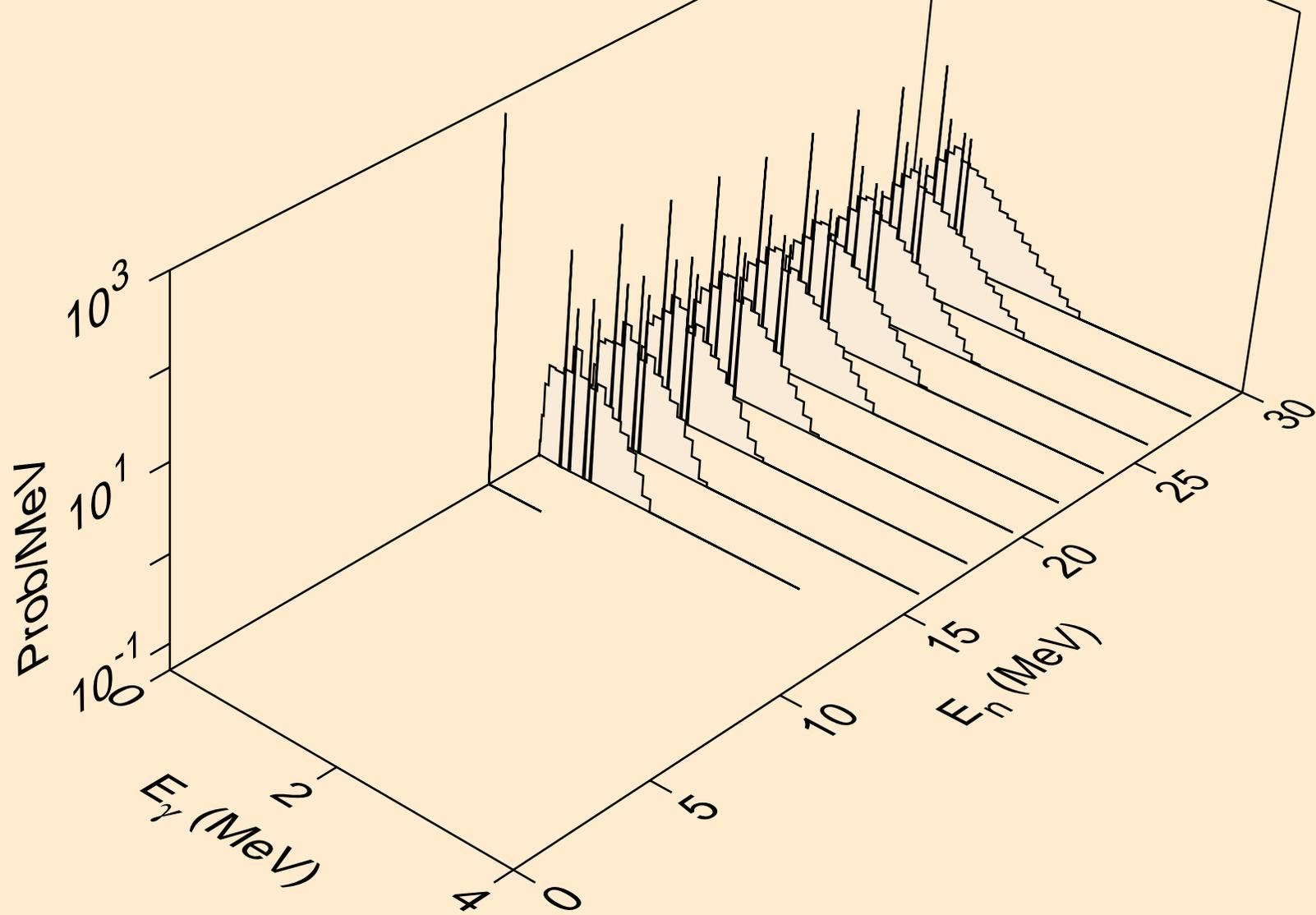
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)



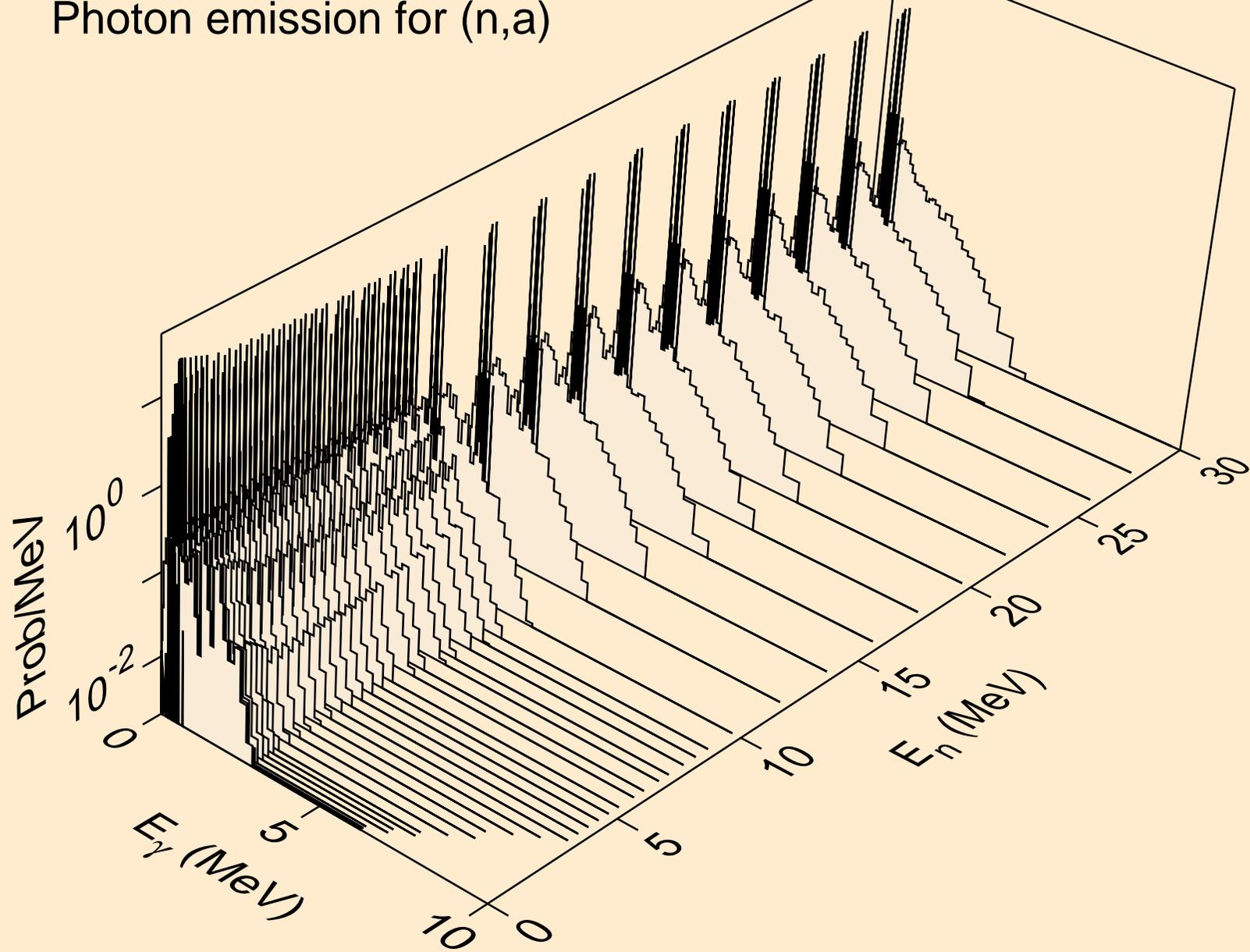
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)



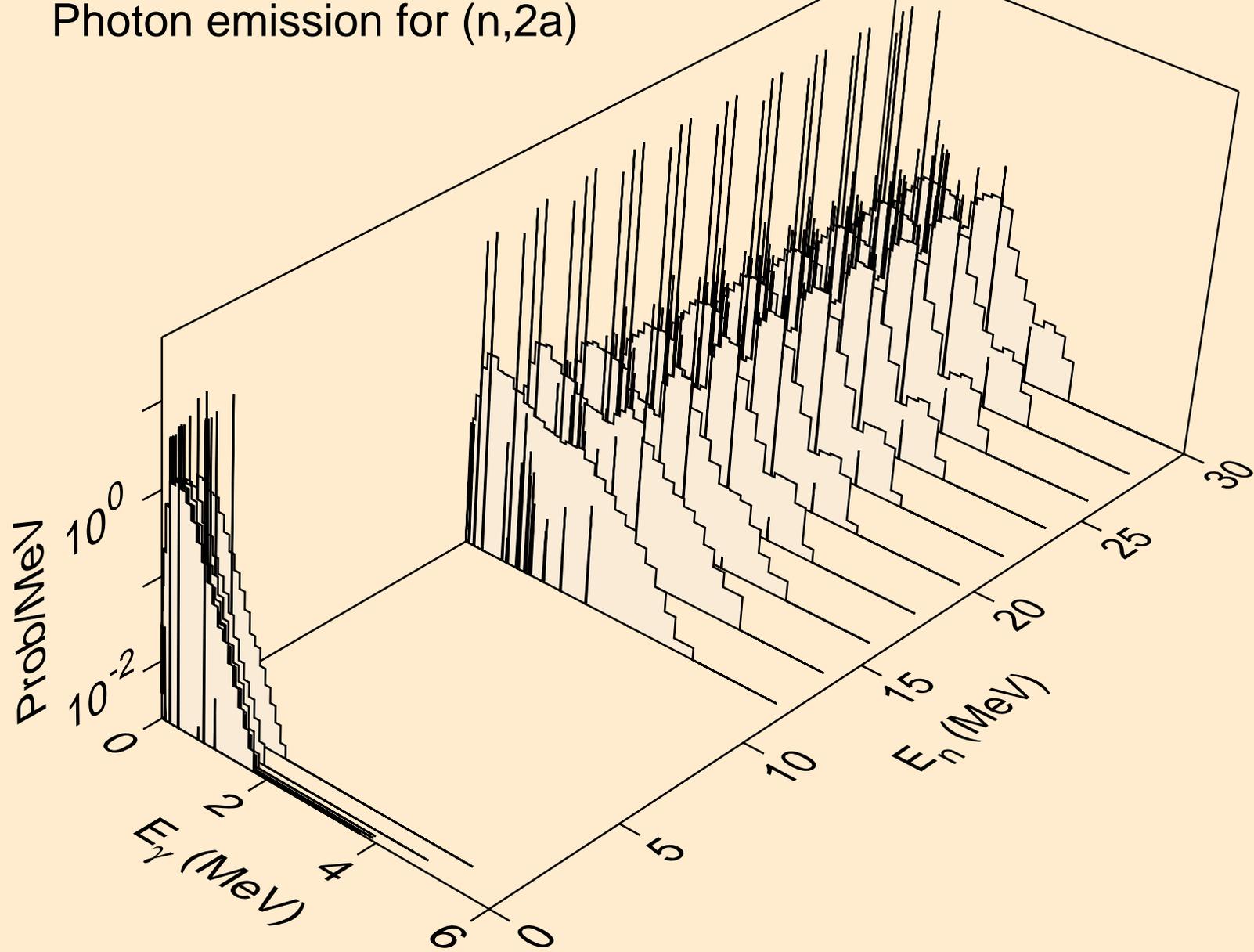
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)



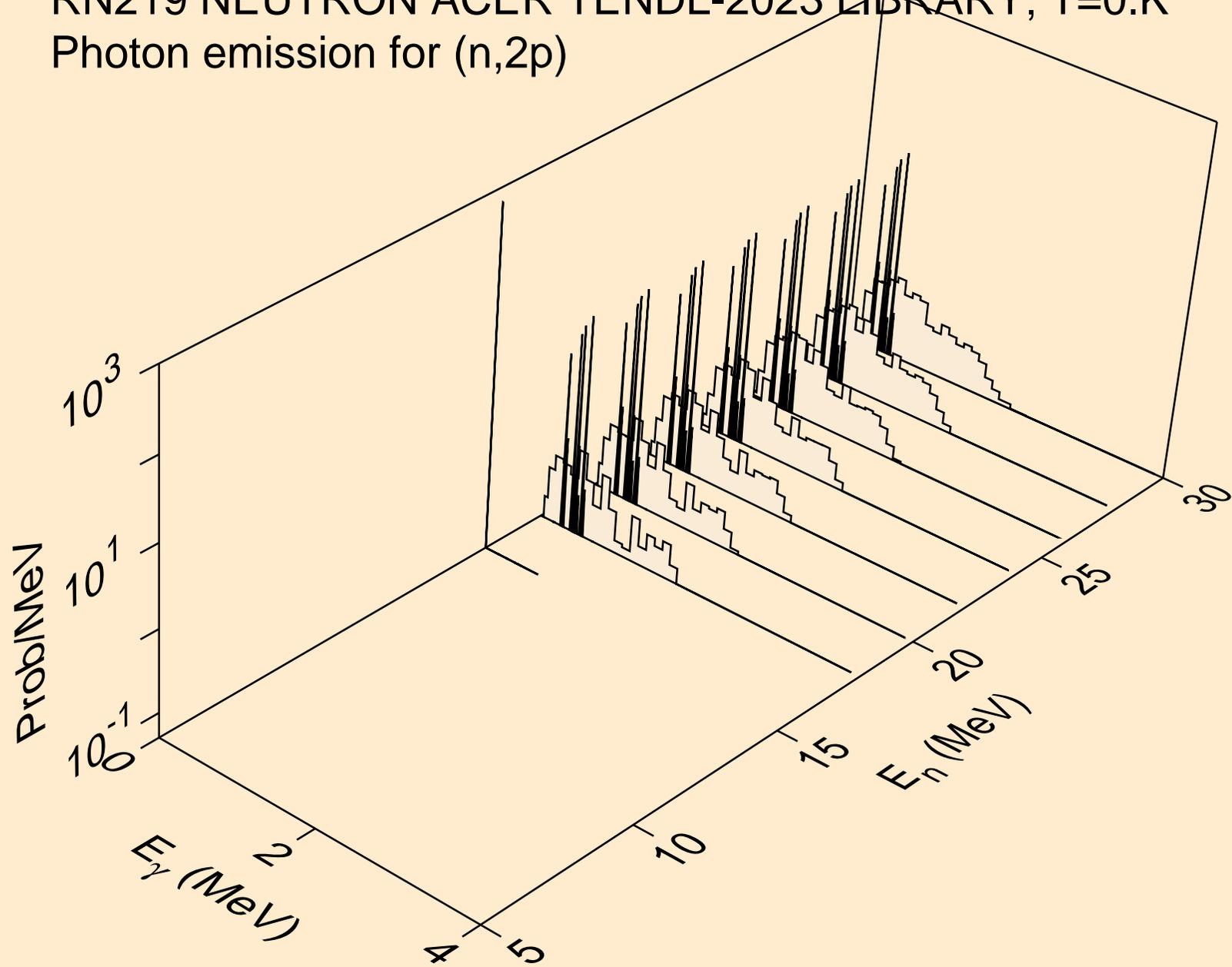
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)



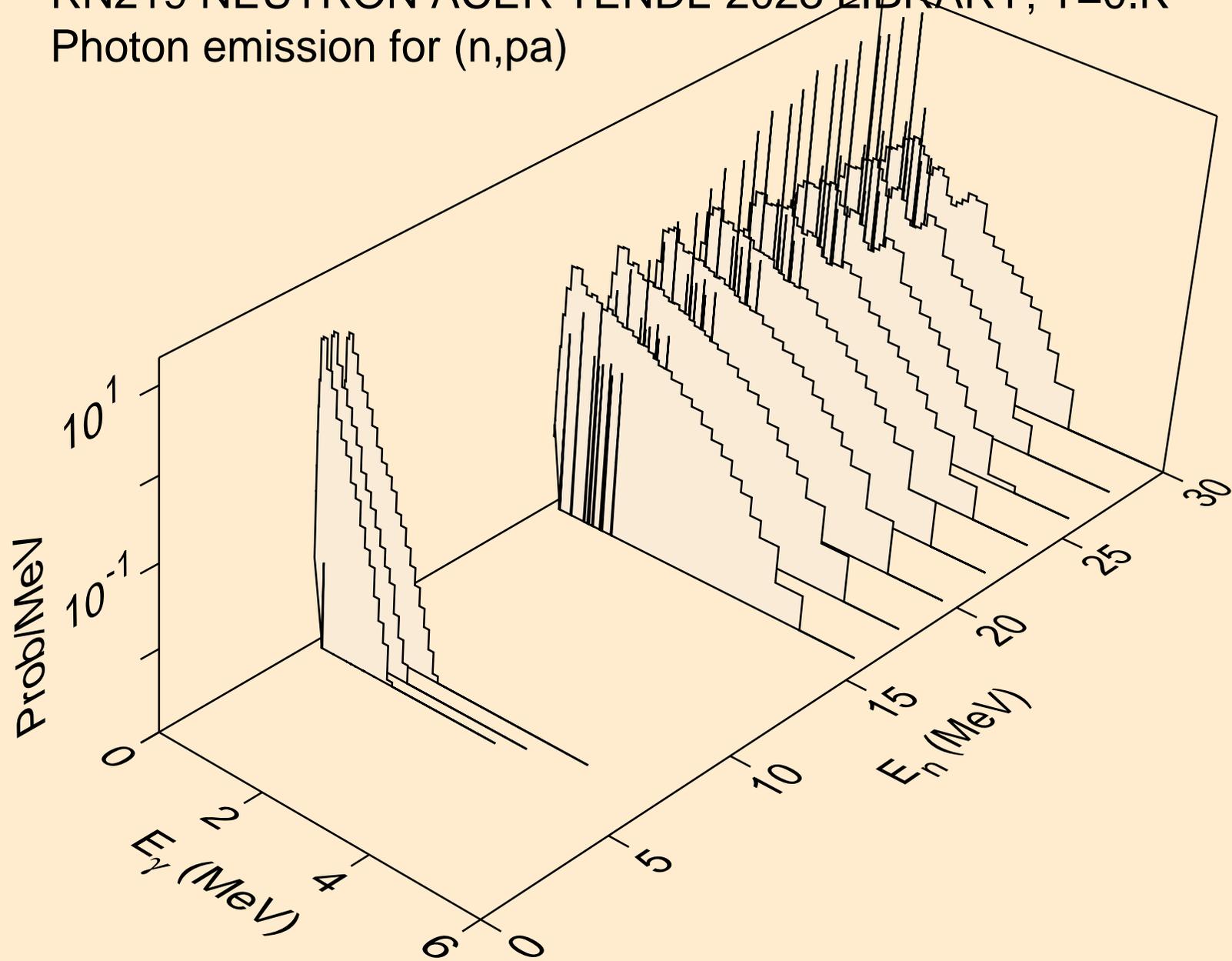
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2a)



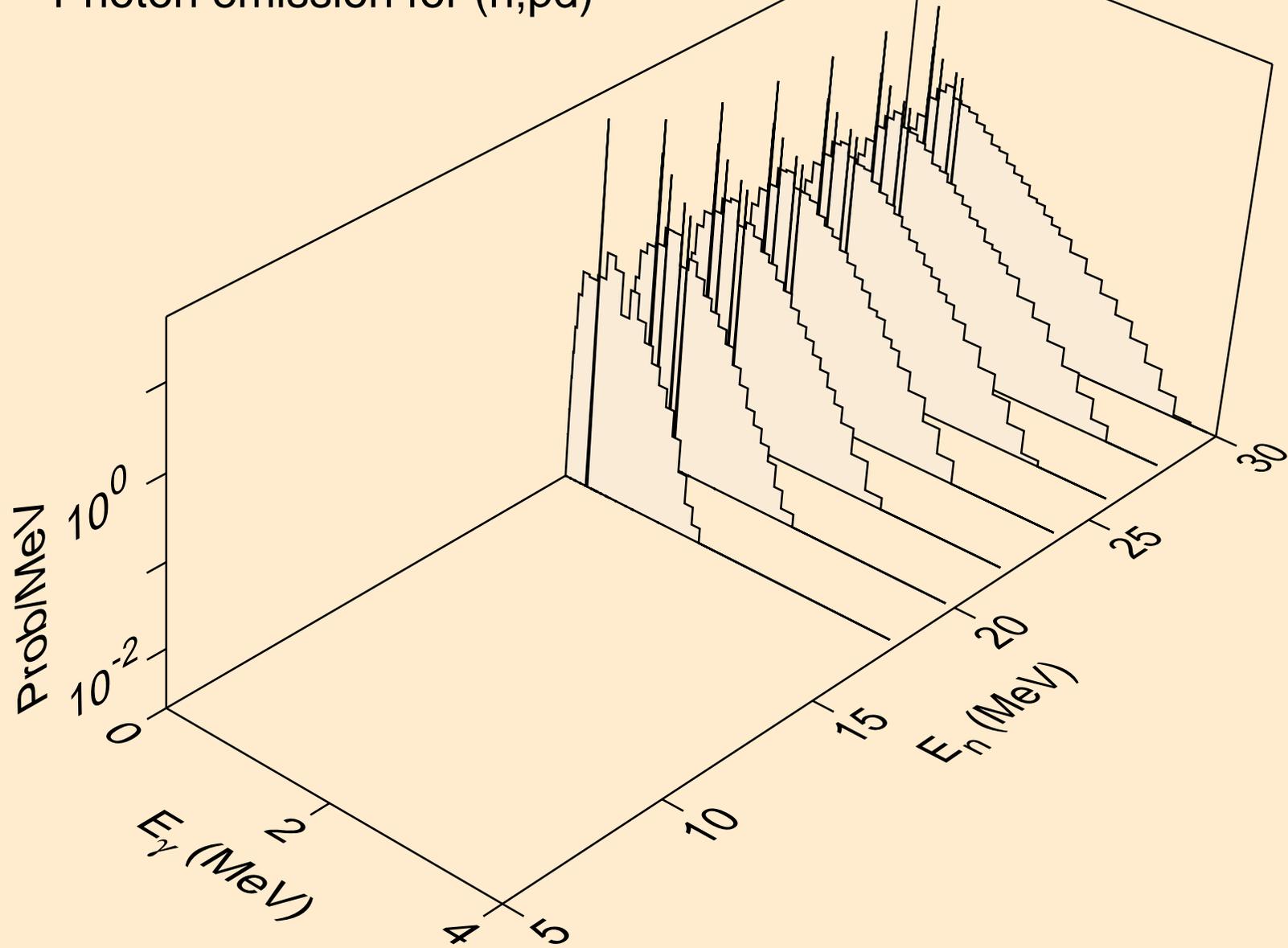
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)



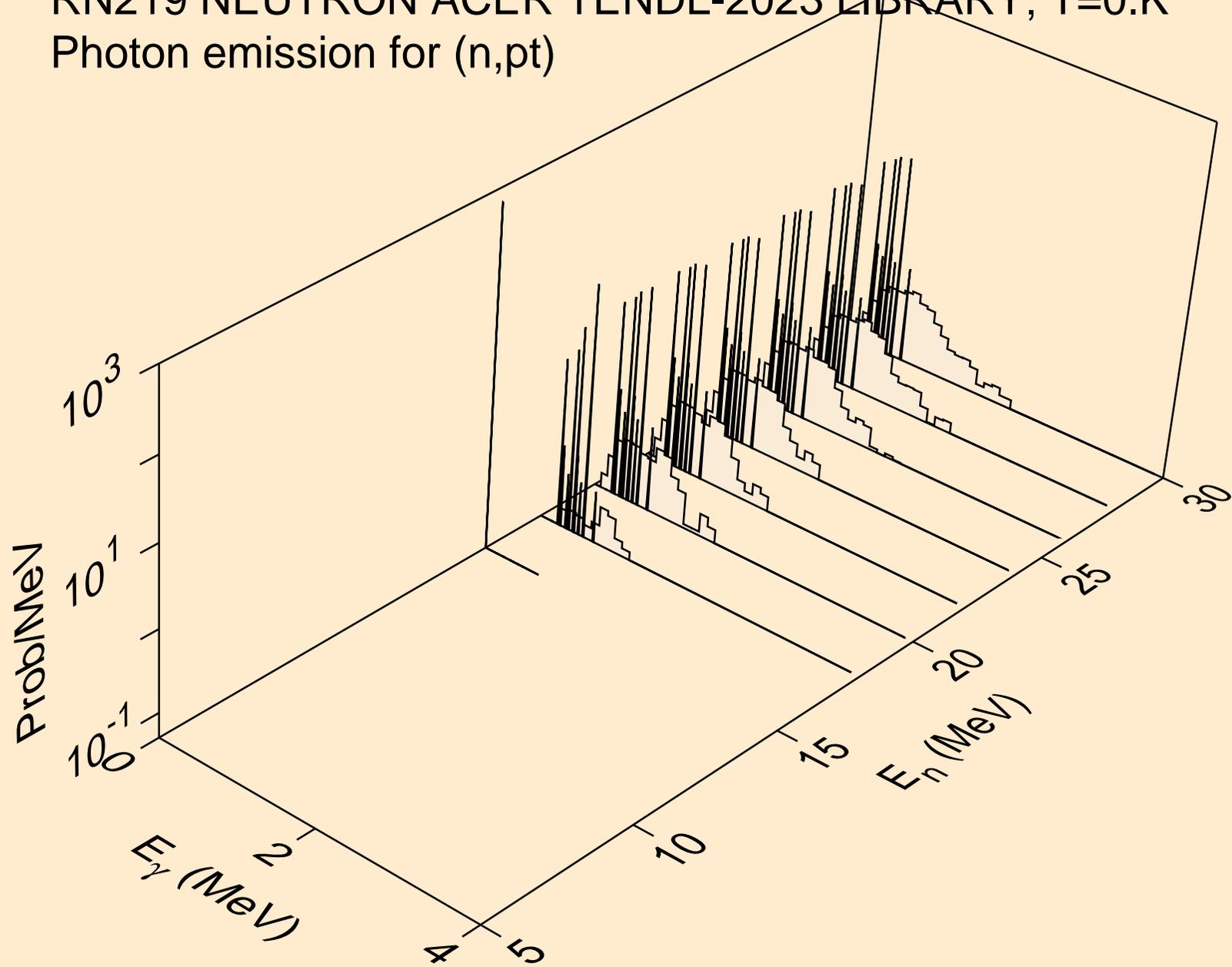
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)



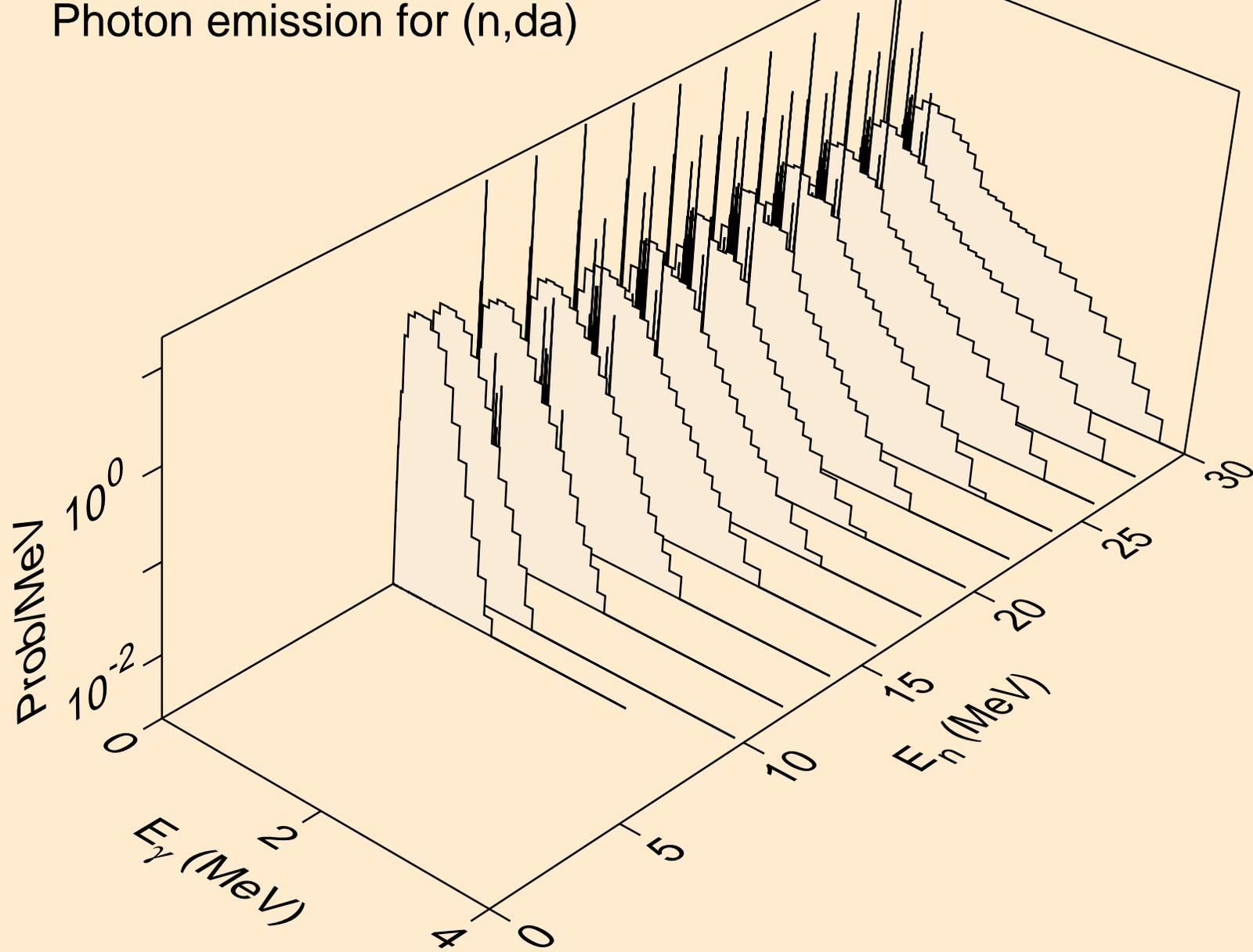
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)



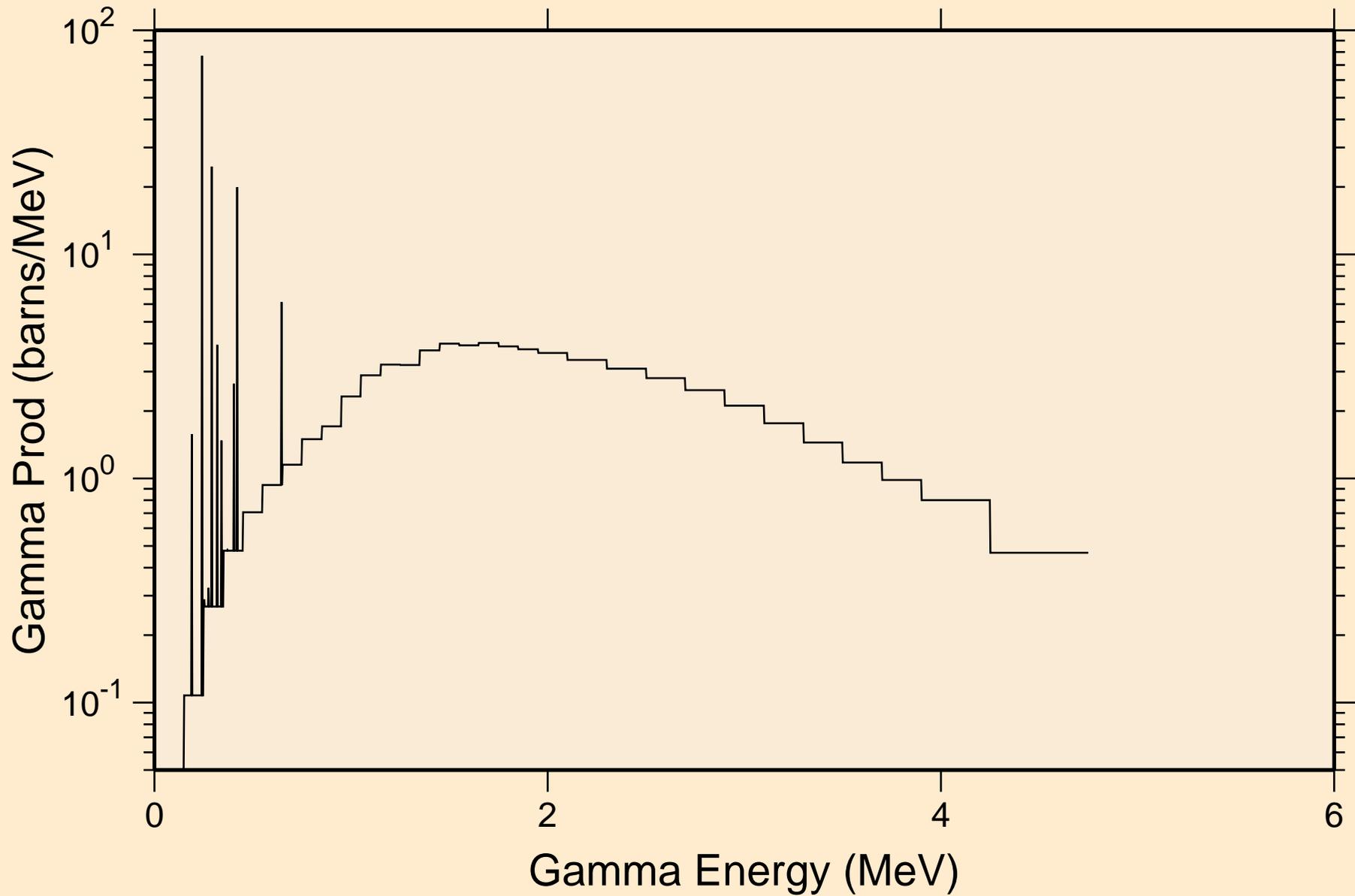
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)



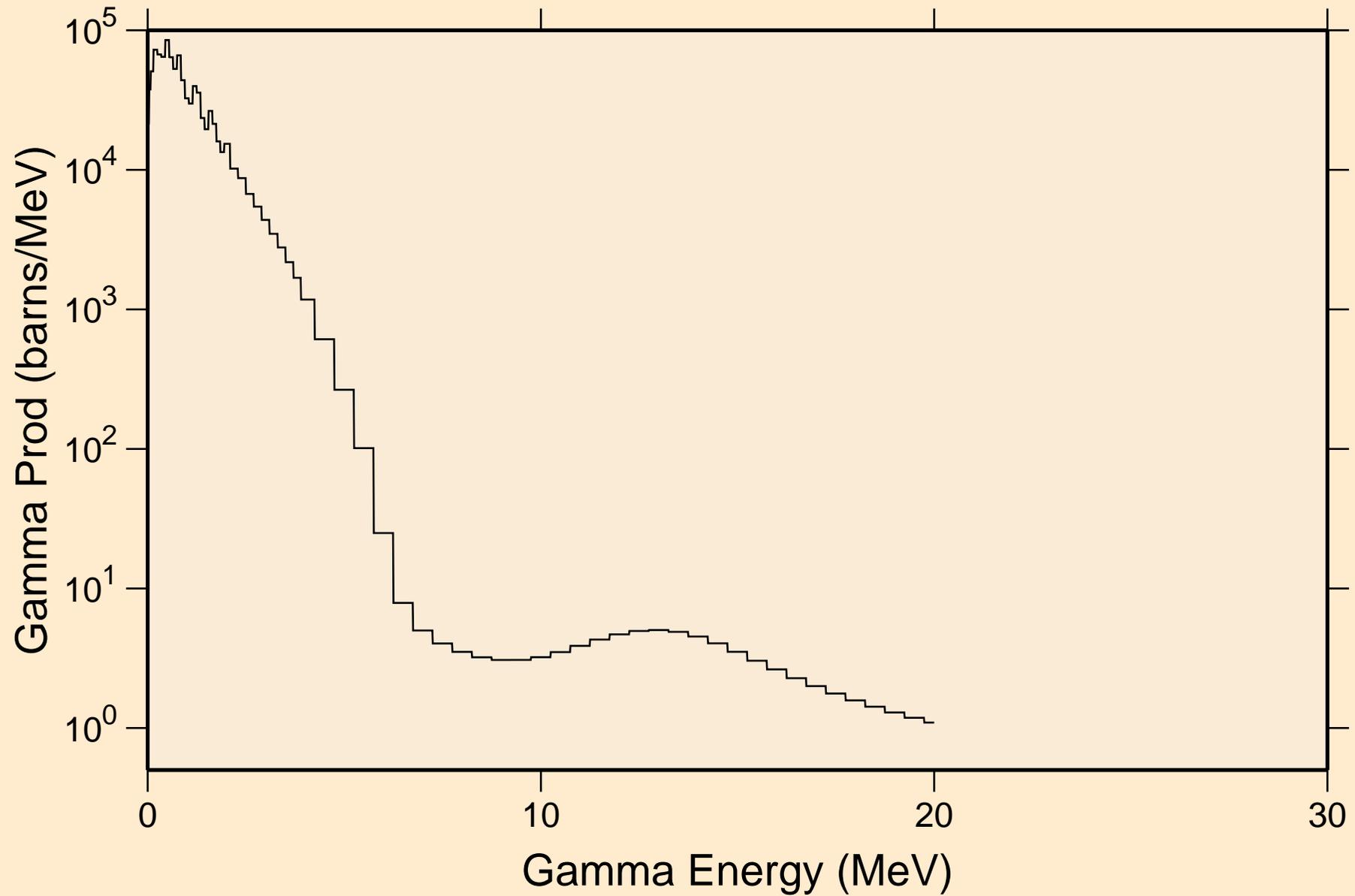
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)



RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
thermal capture photon spectrum

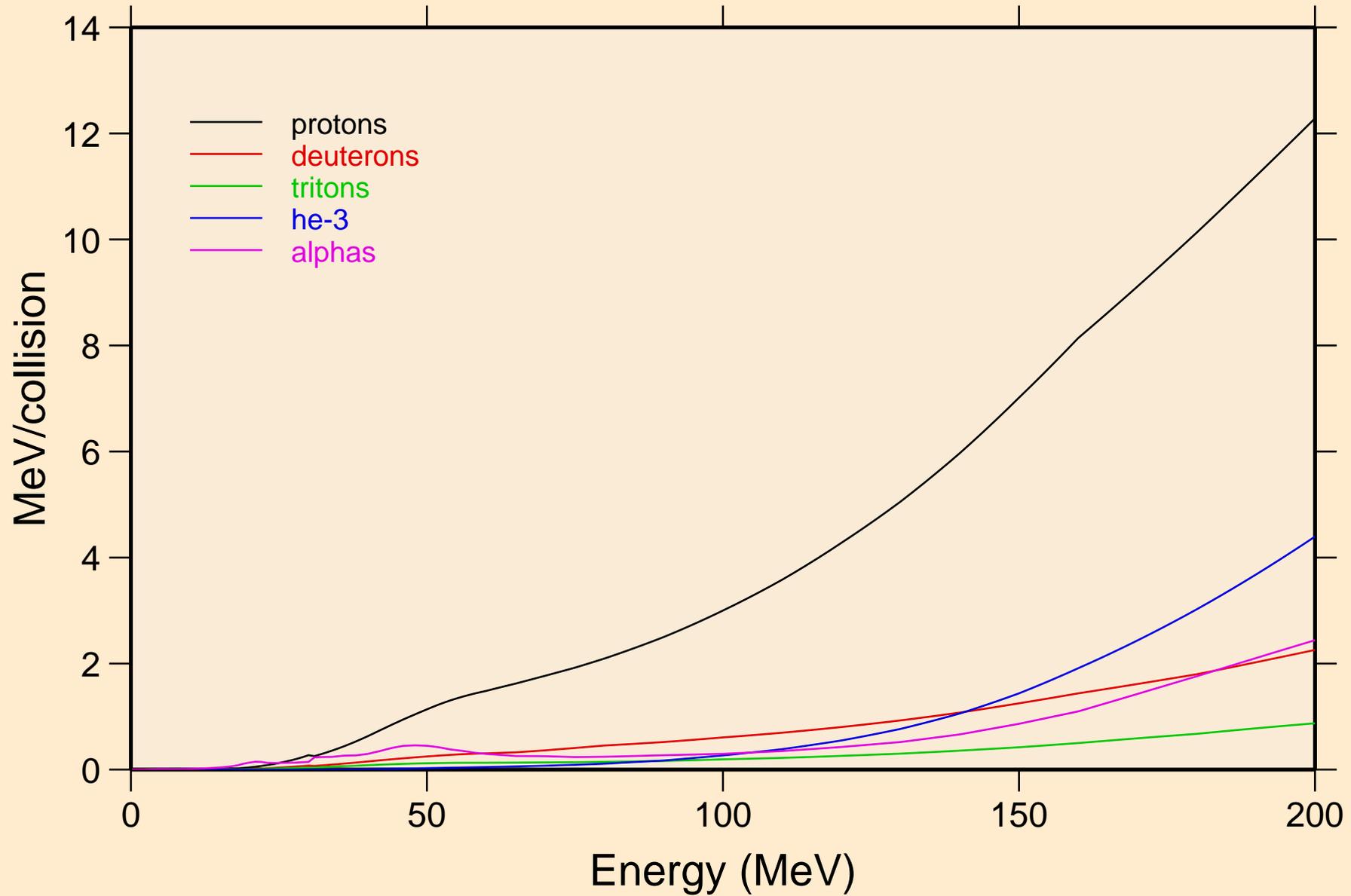


RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
14 MeV photon spectrum

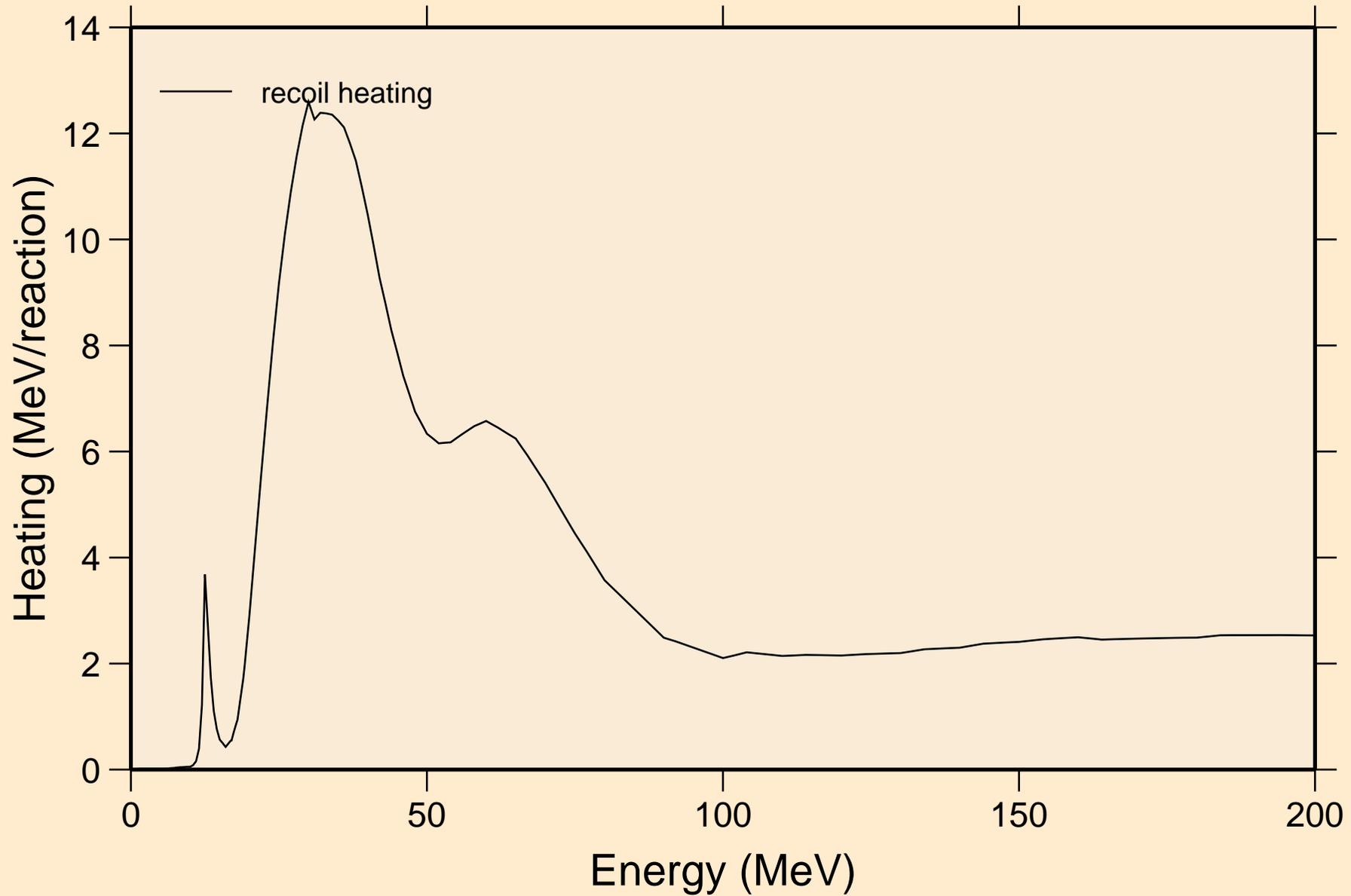


# RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

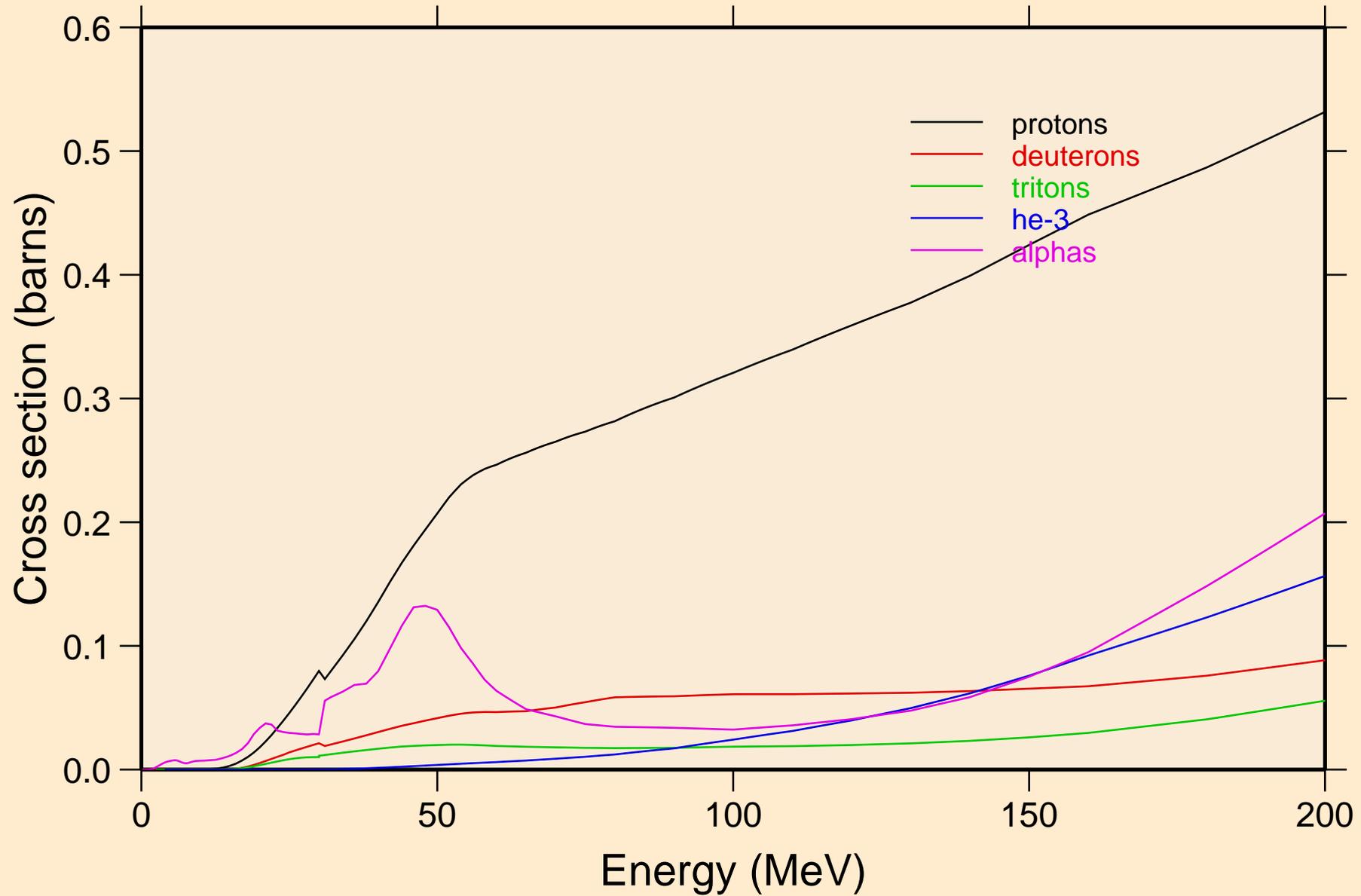
## Particle heating contributions



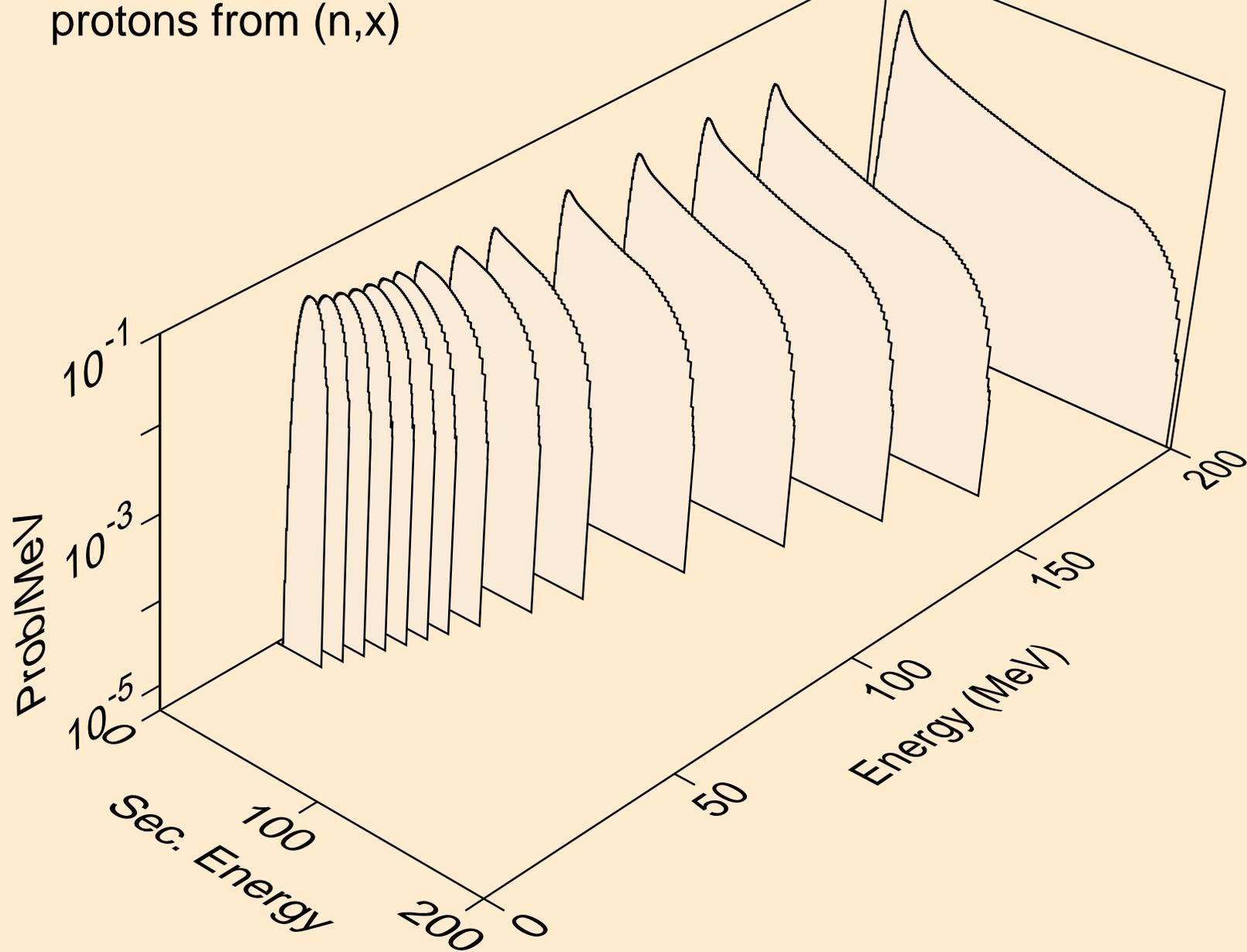
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating



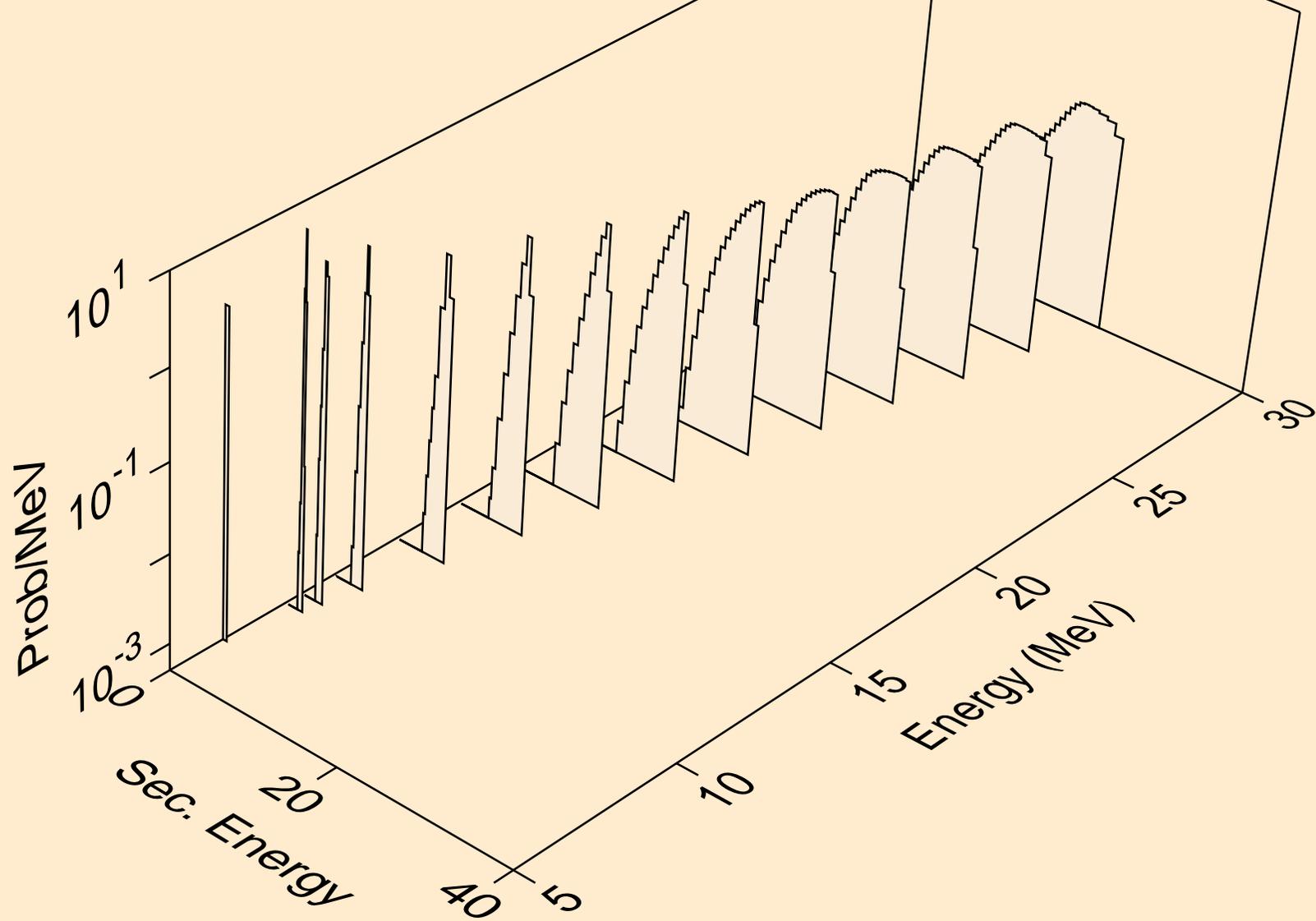
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Particle production cross sections



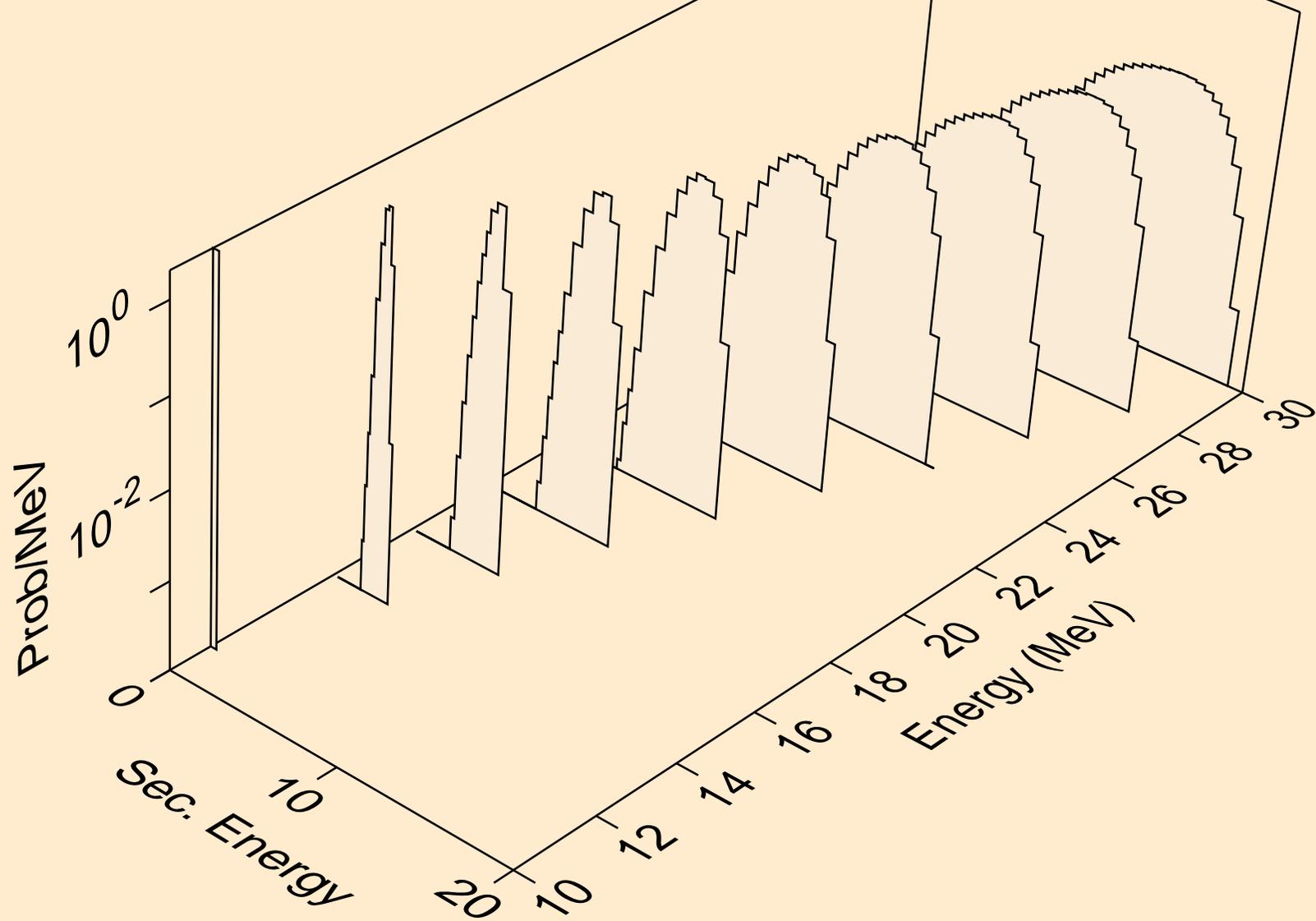
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,x)



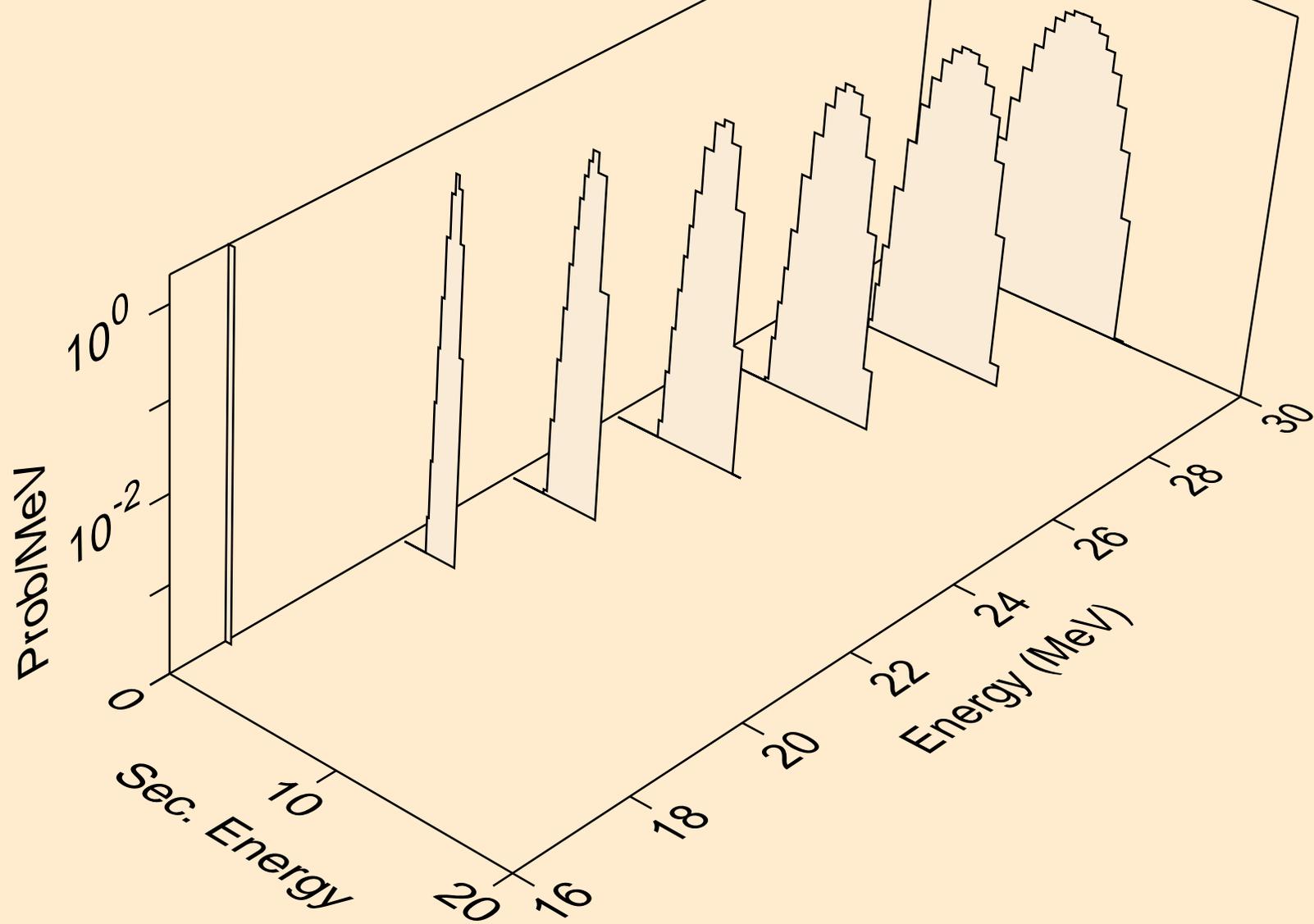
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n\*)p



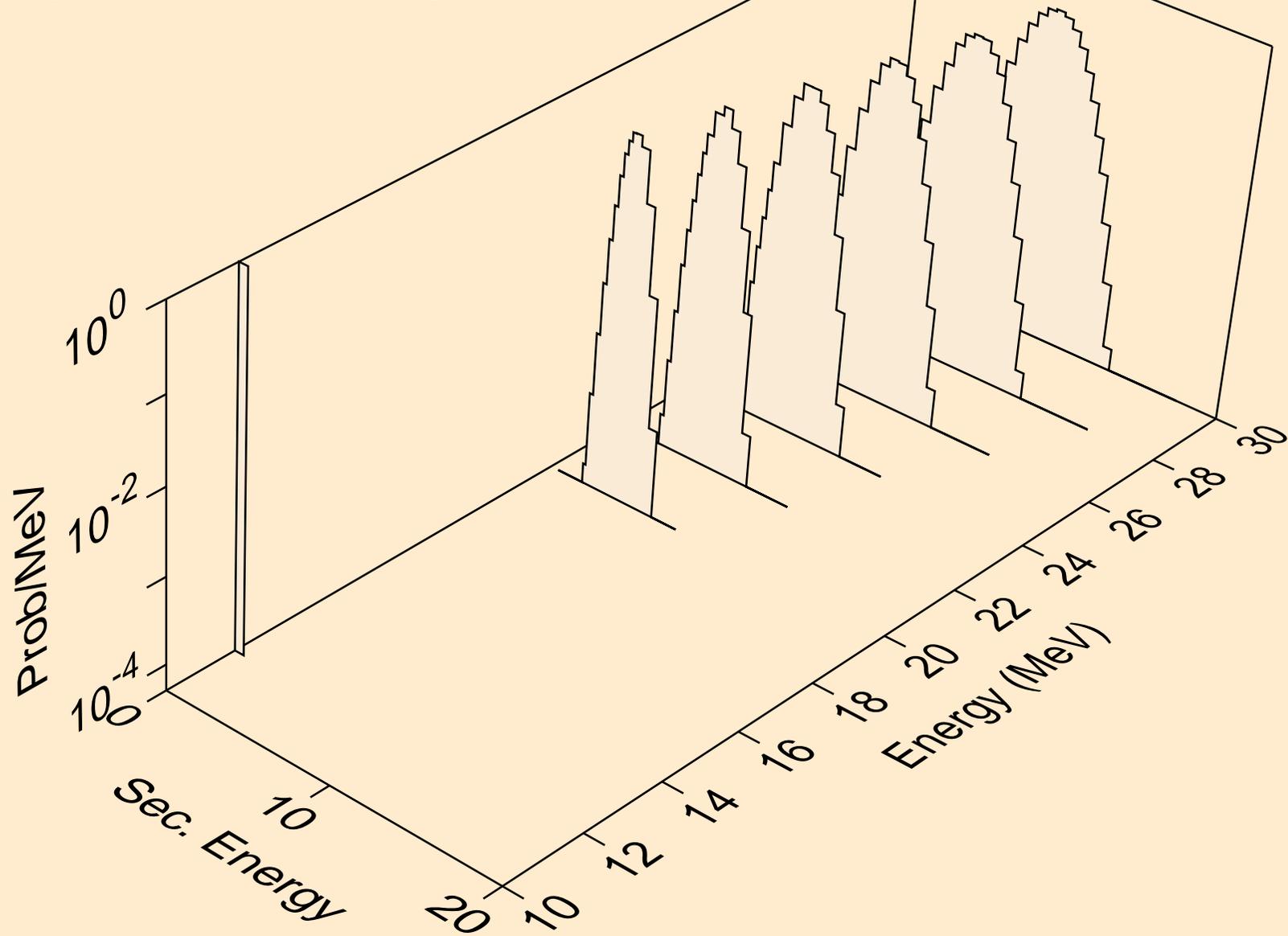
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,2np)



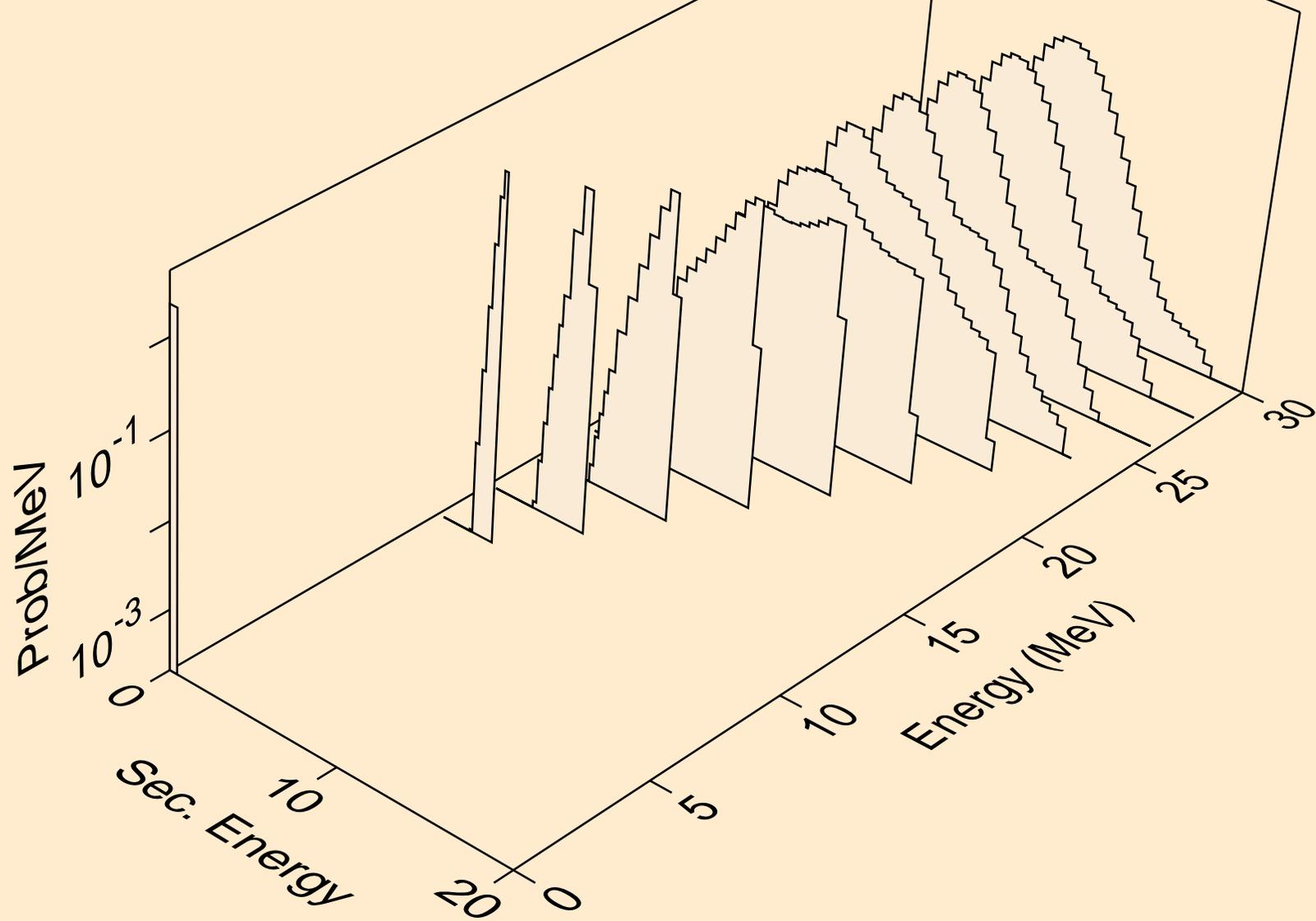
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,3np)



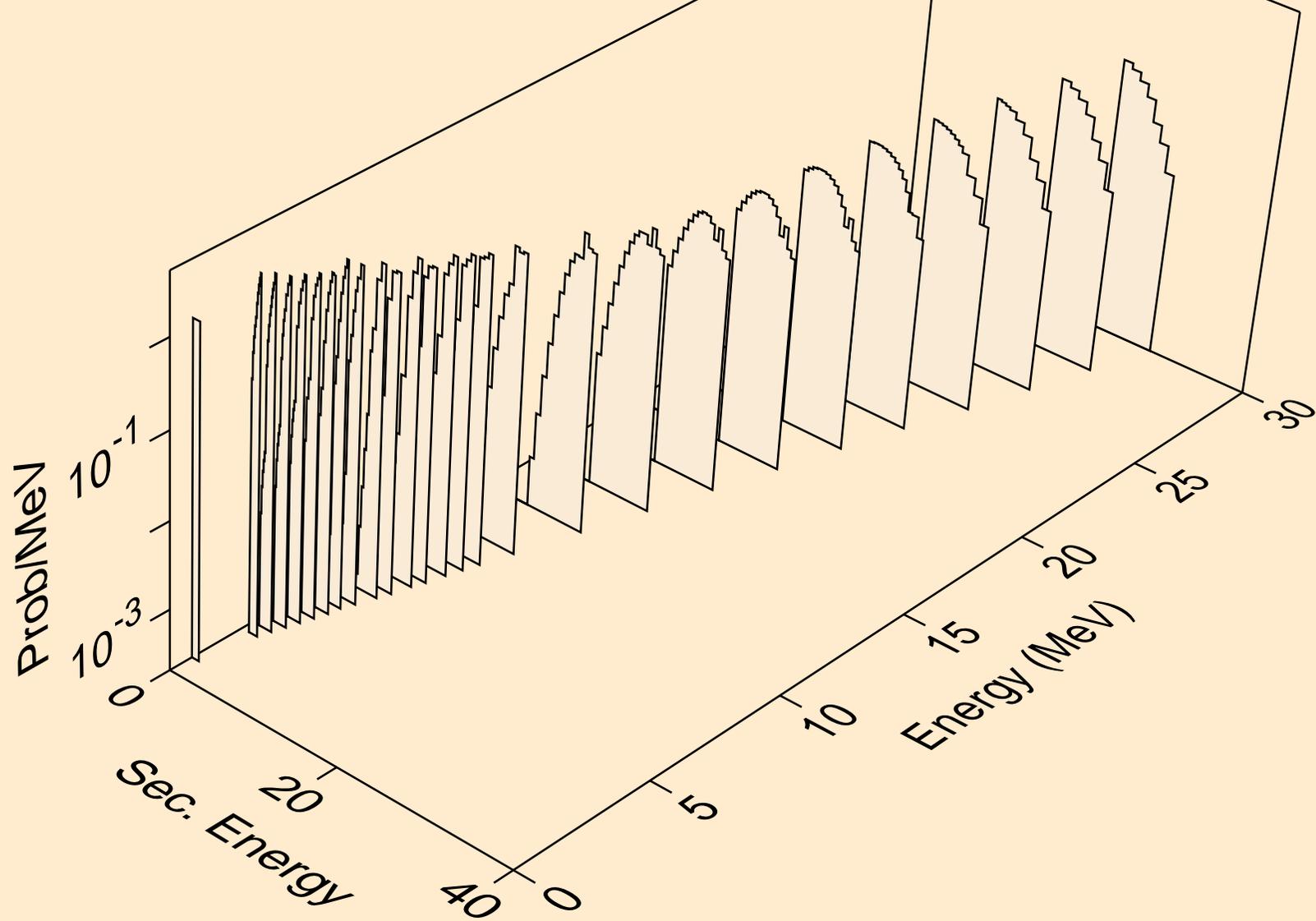
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n2p)



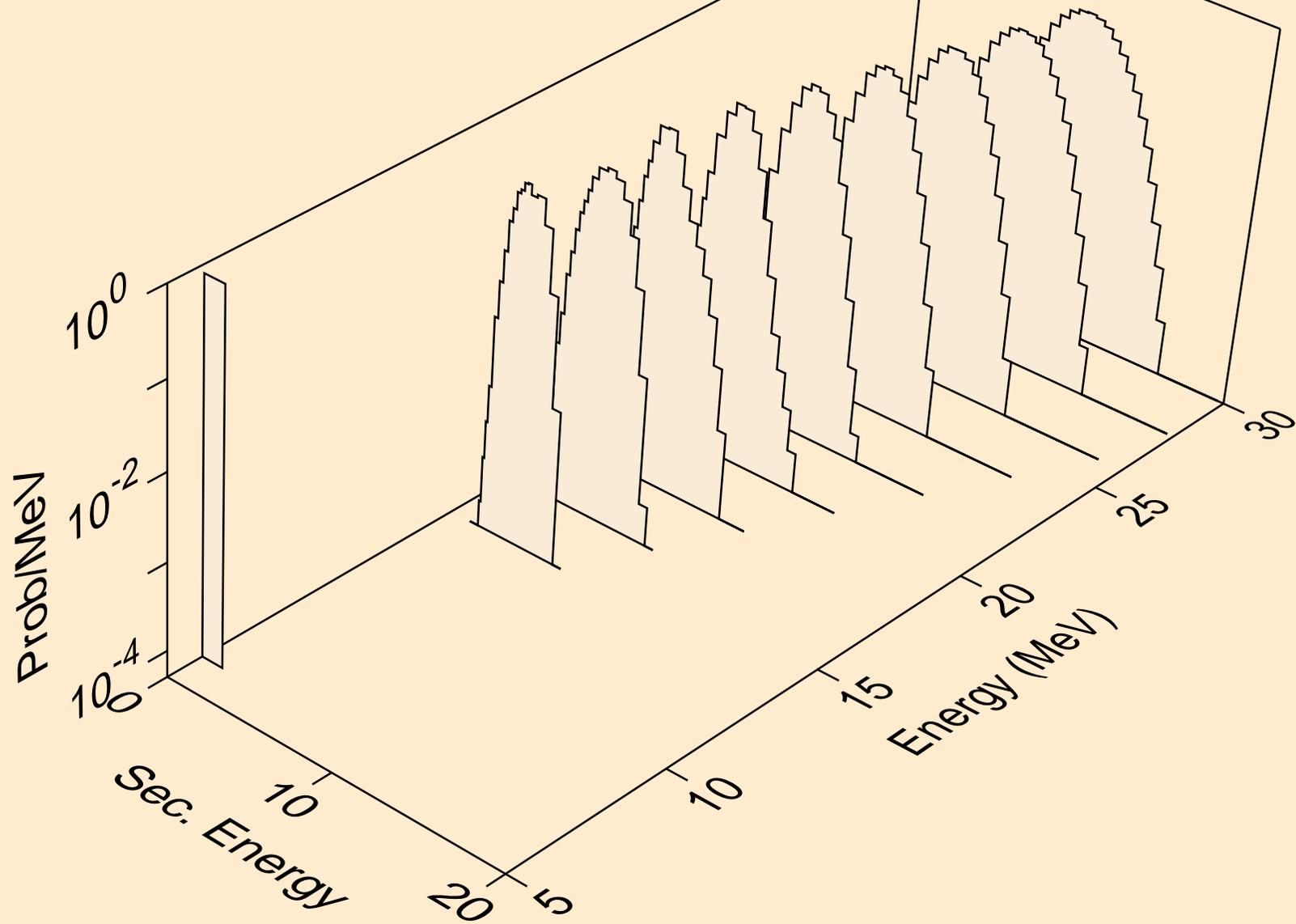
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,npa)



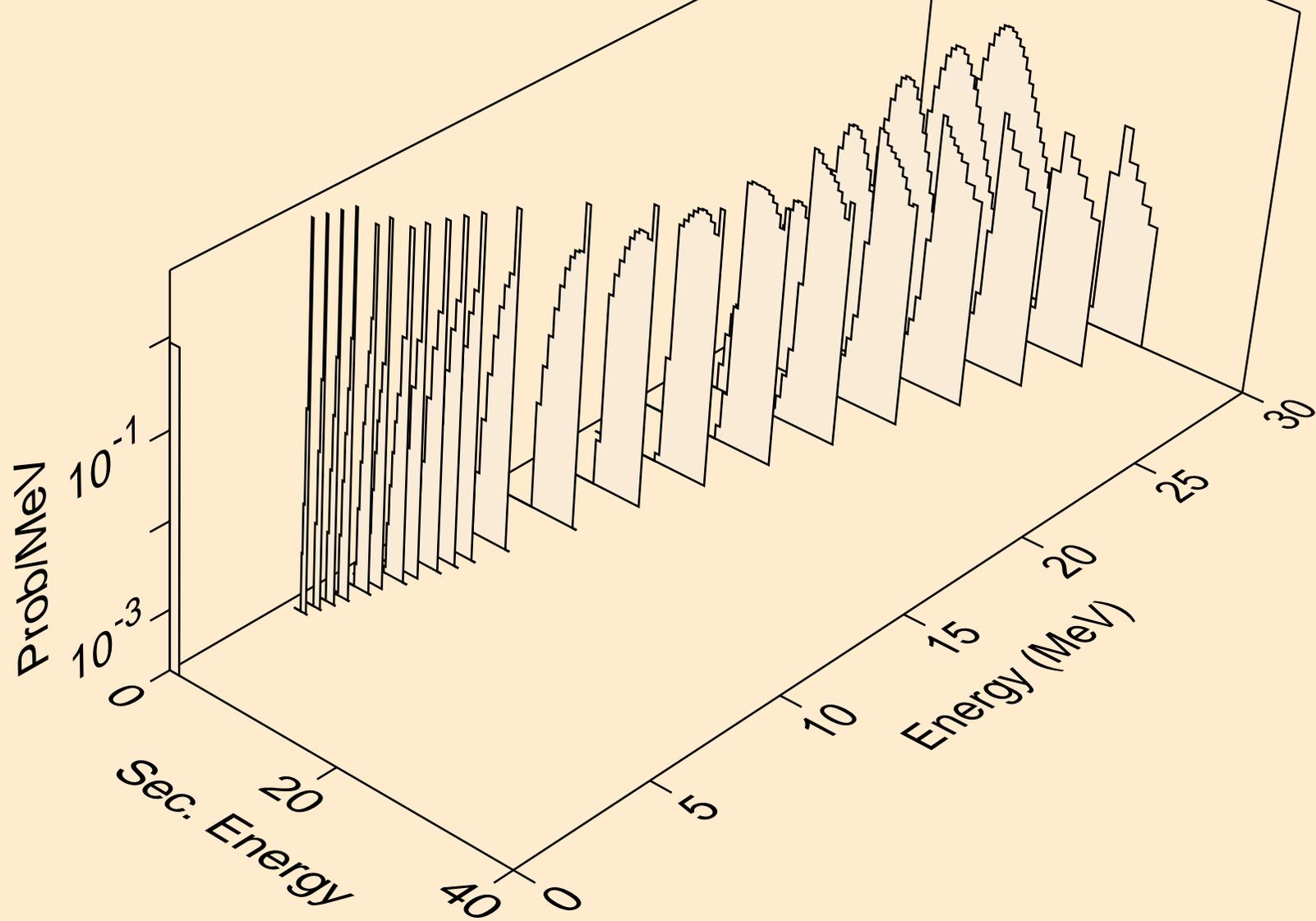
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,p)



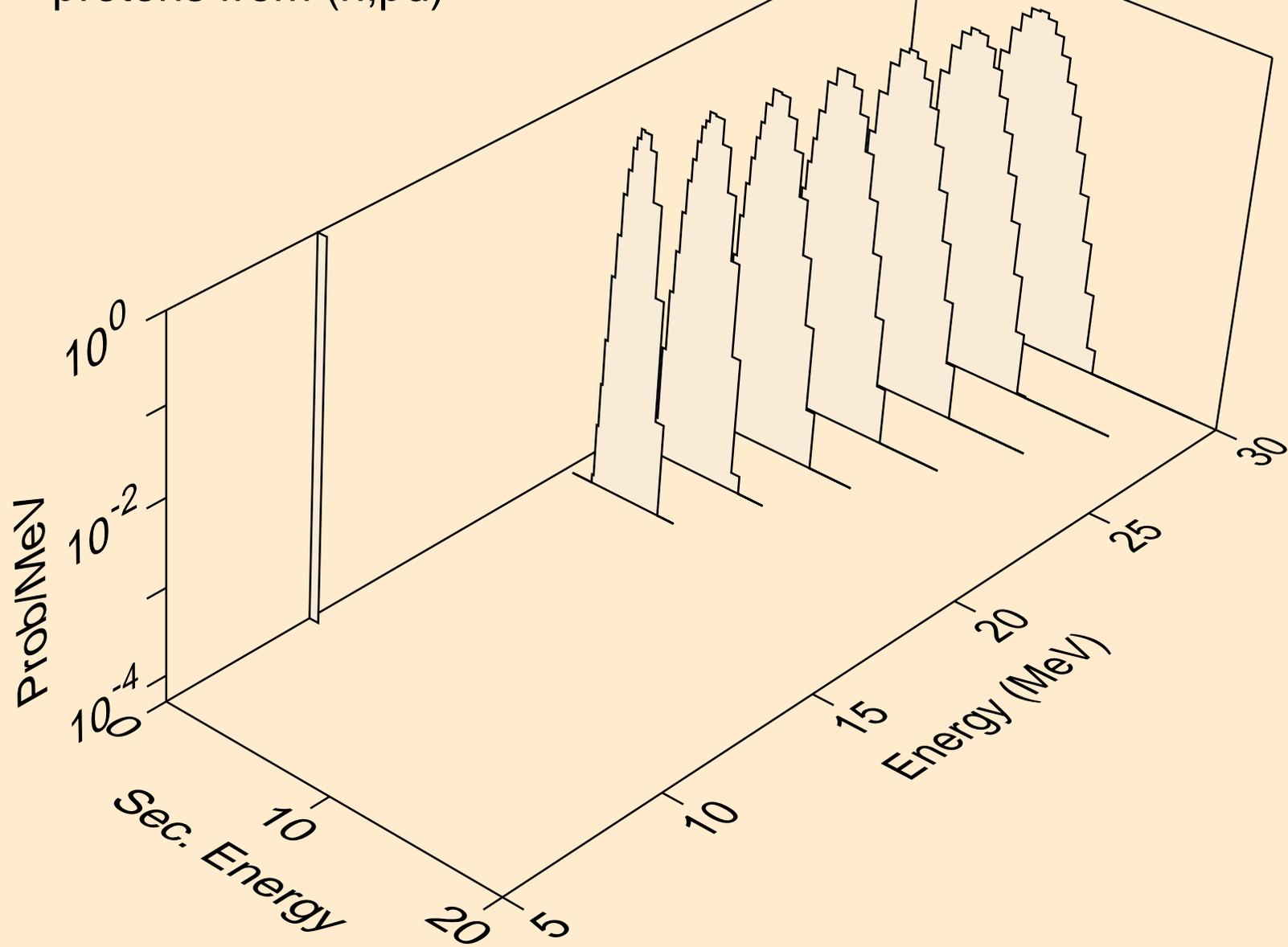
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,2p)



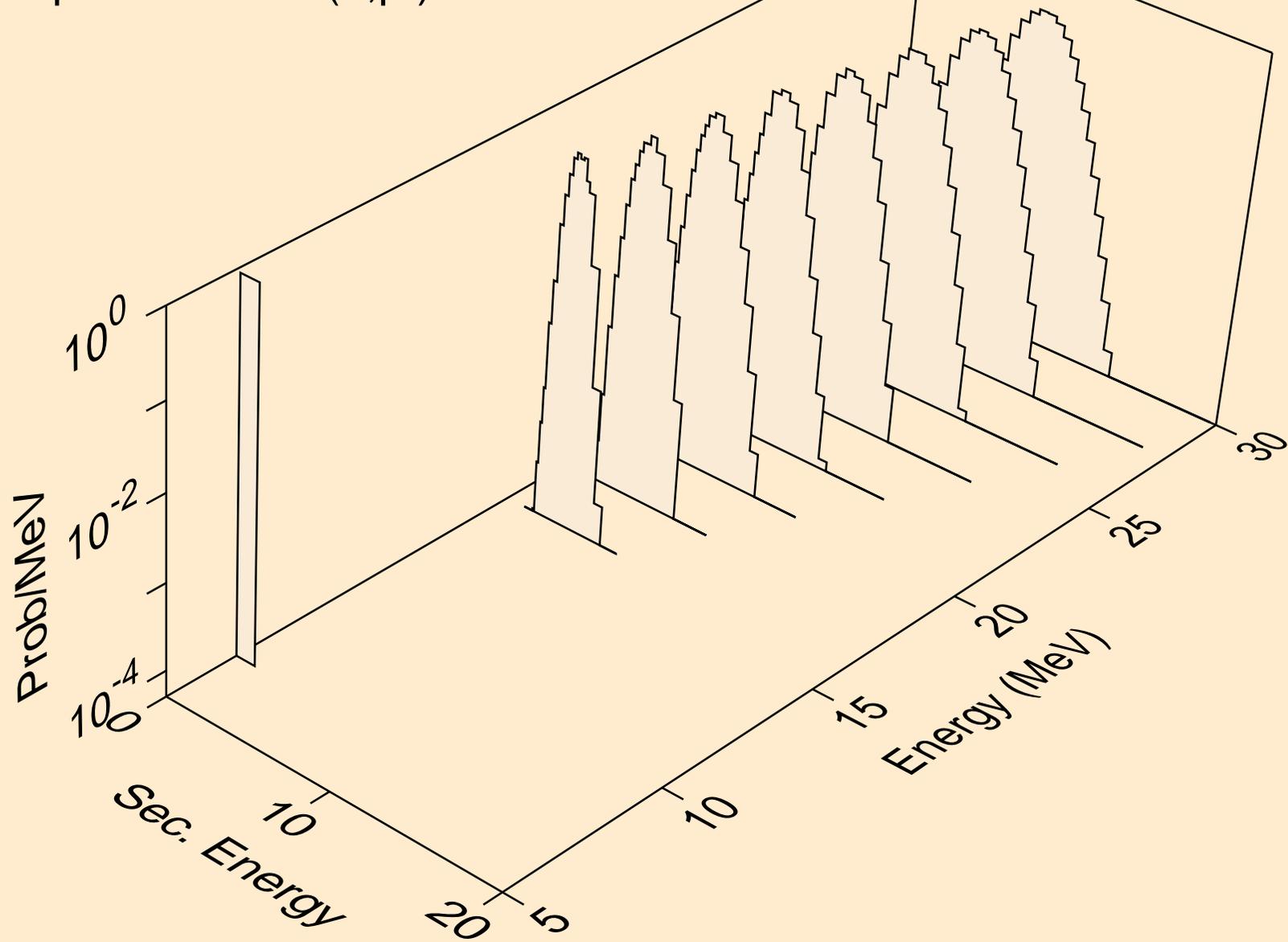
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,p)



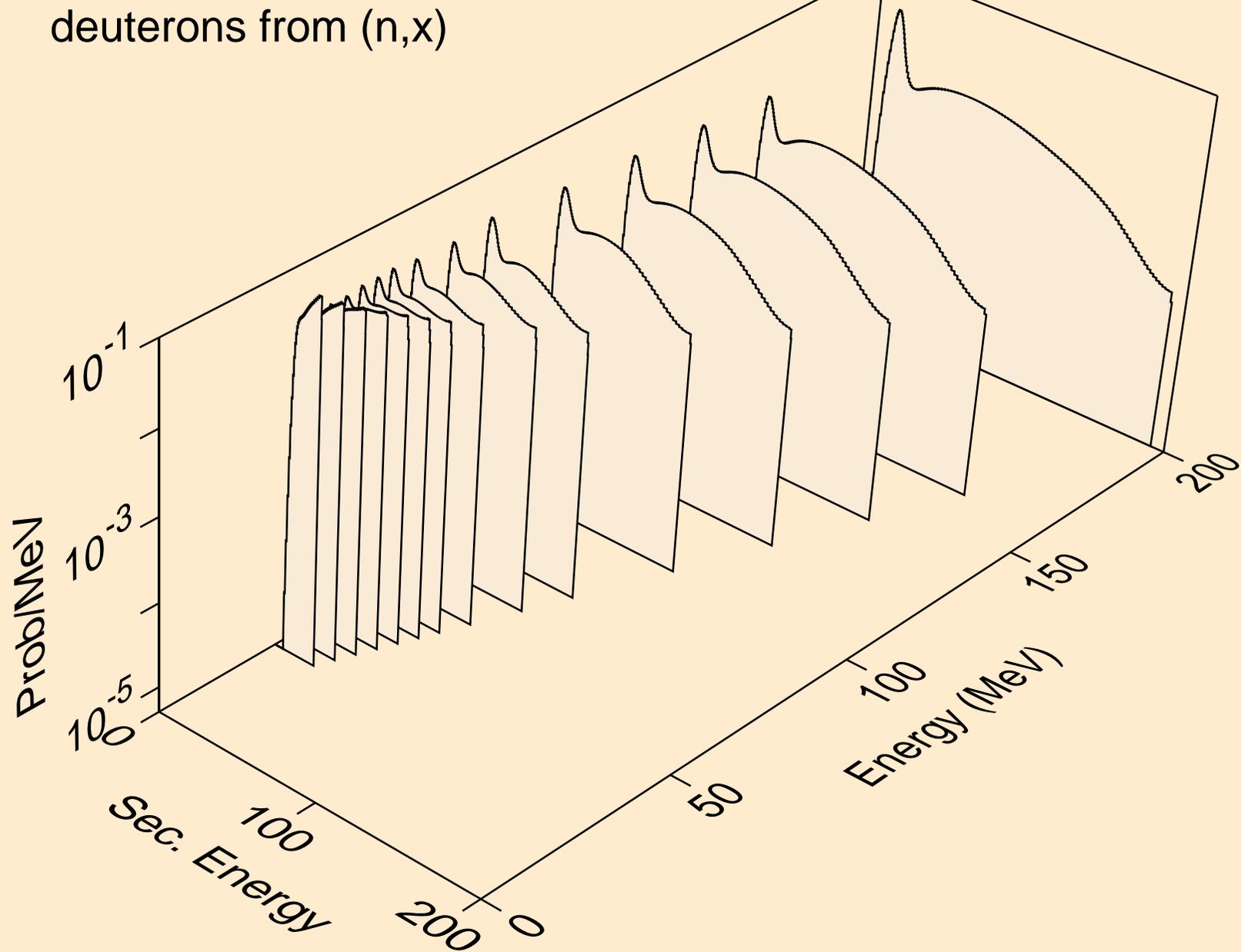
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,pd)



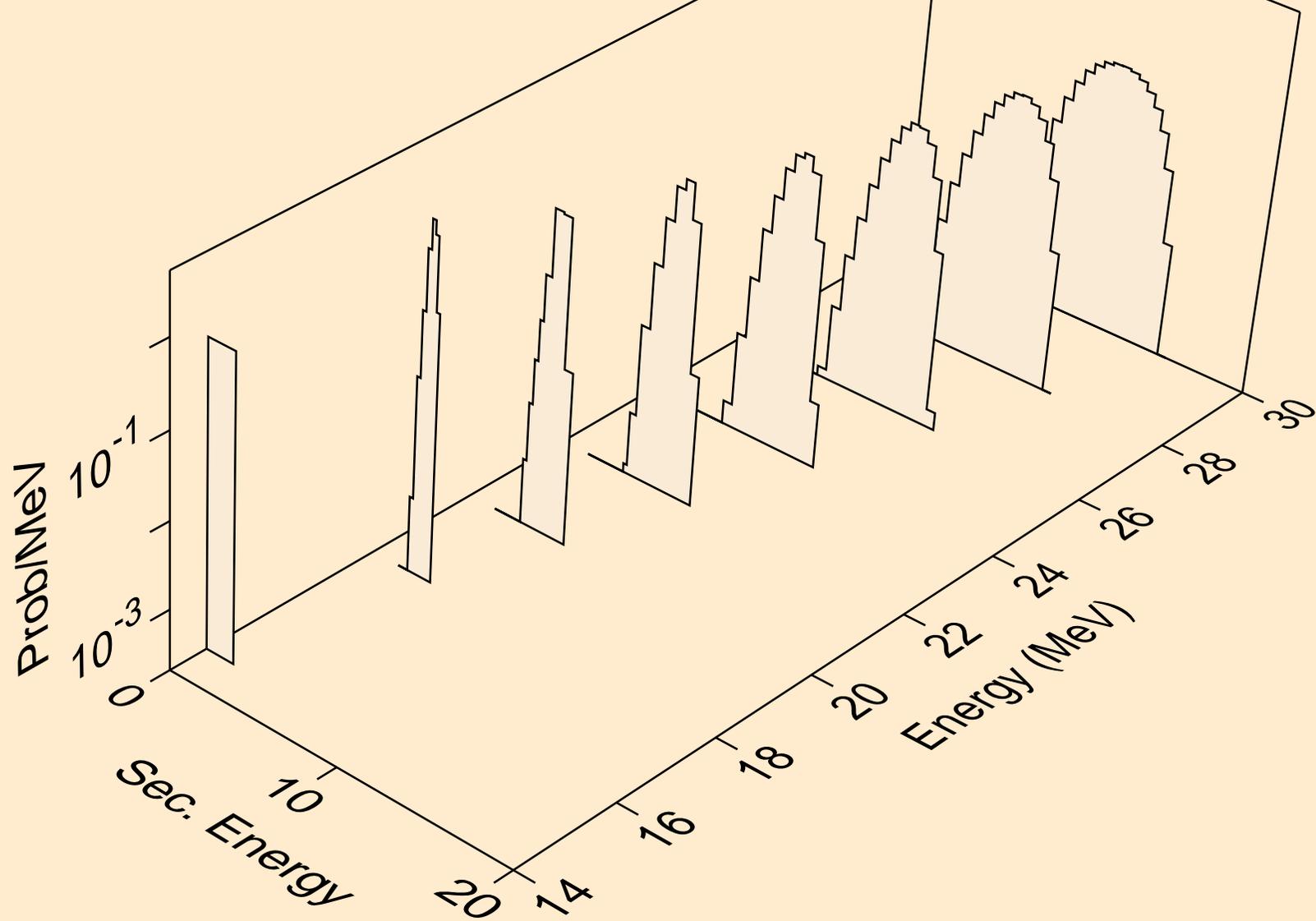
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,pt)



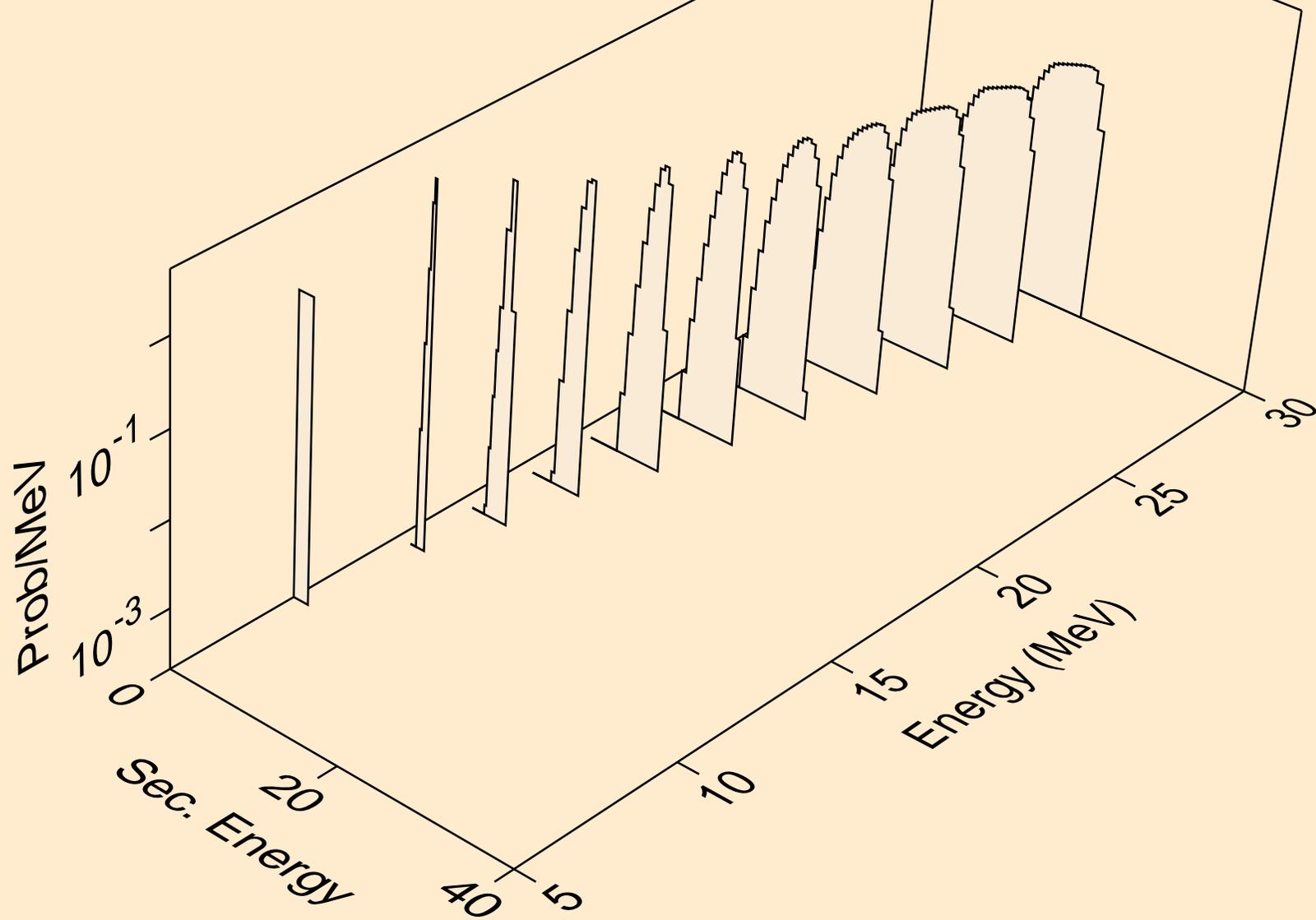
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,x)



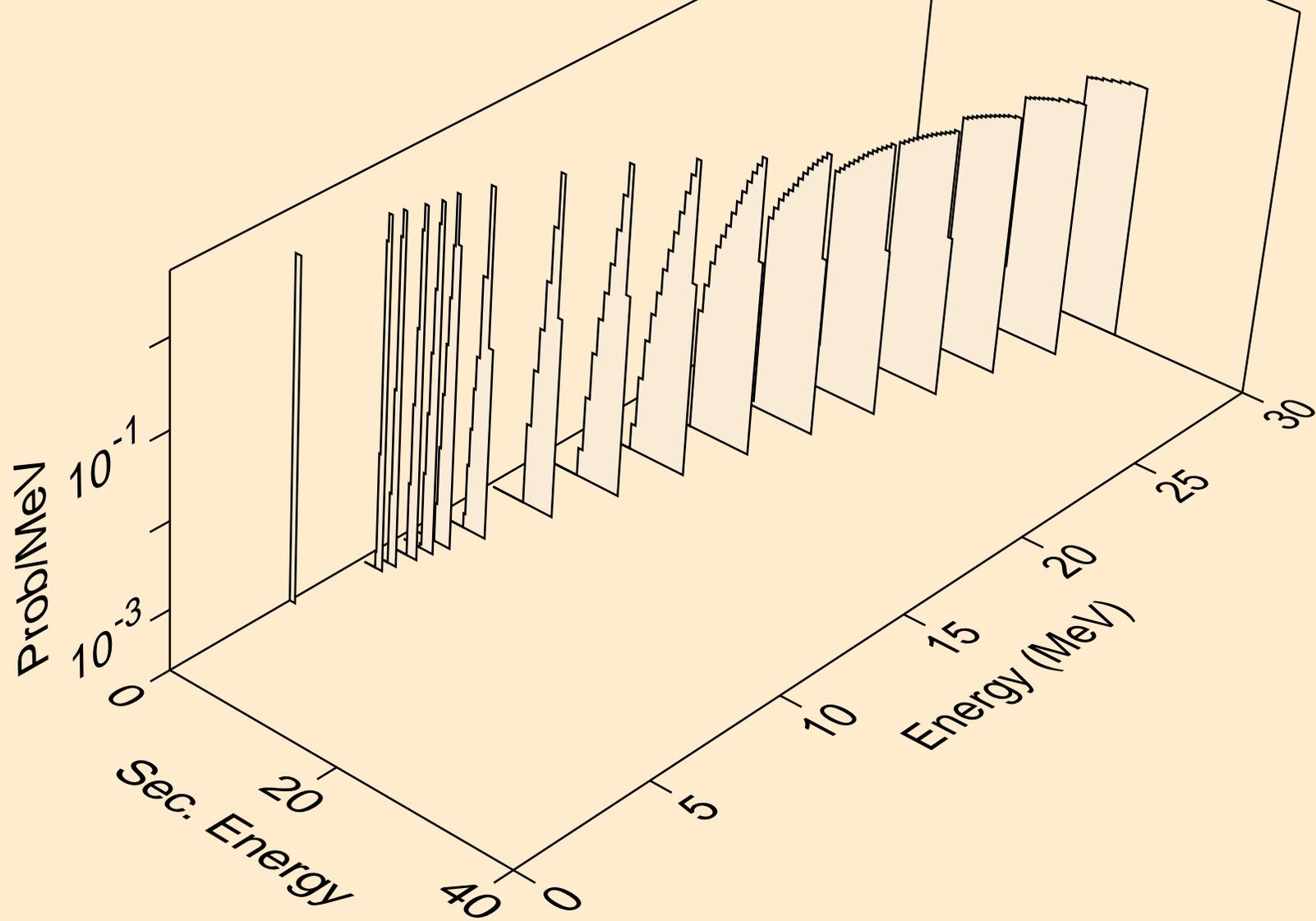
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,2nd)



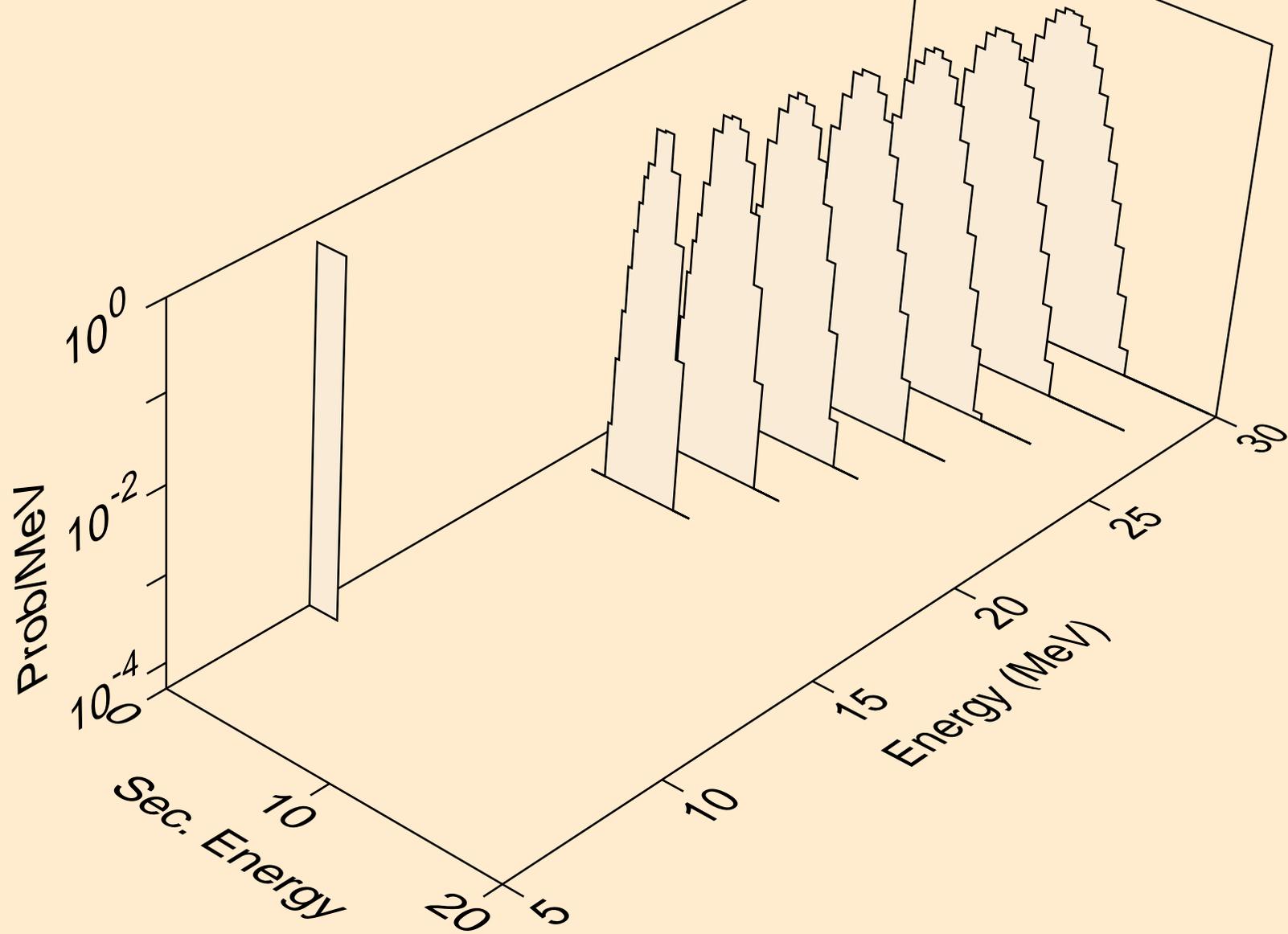
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,n\*)d



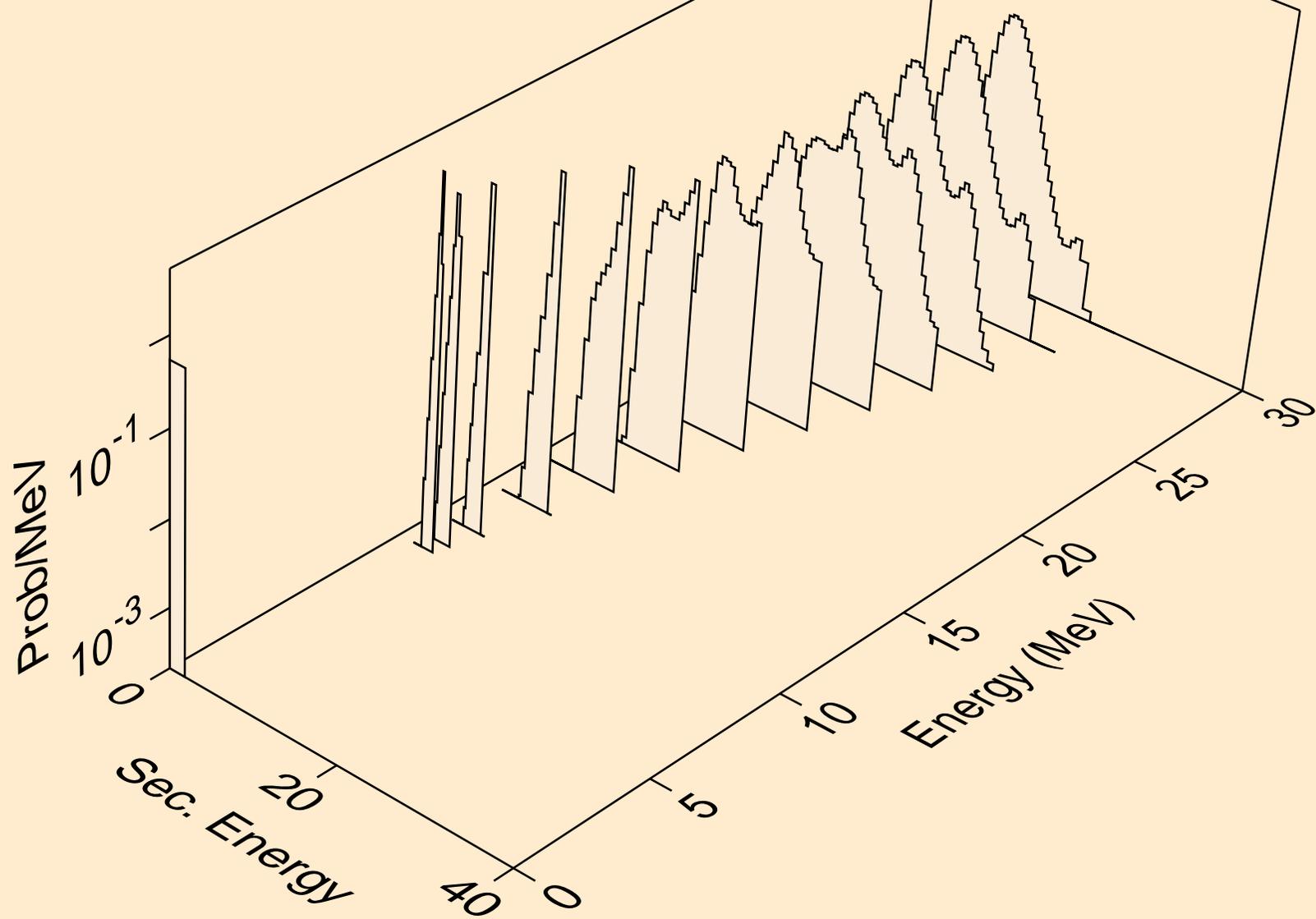
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,d)



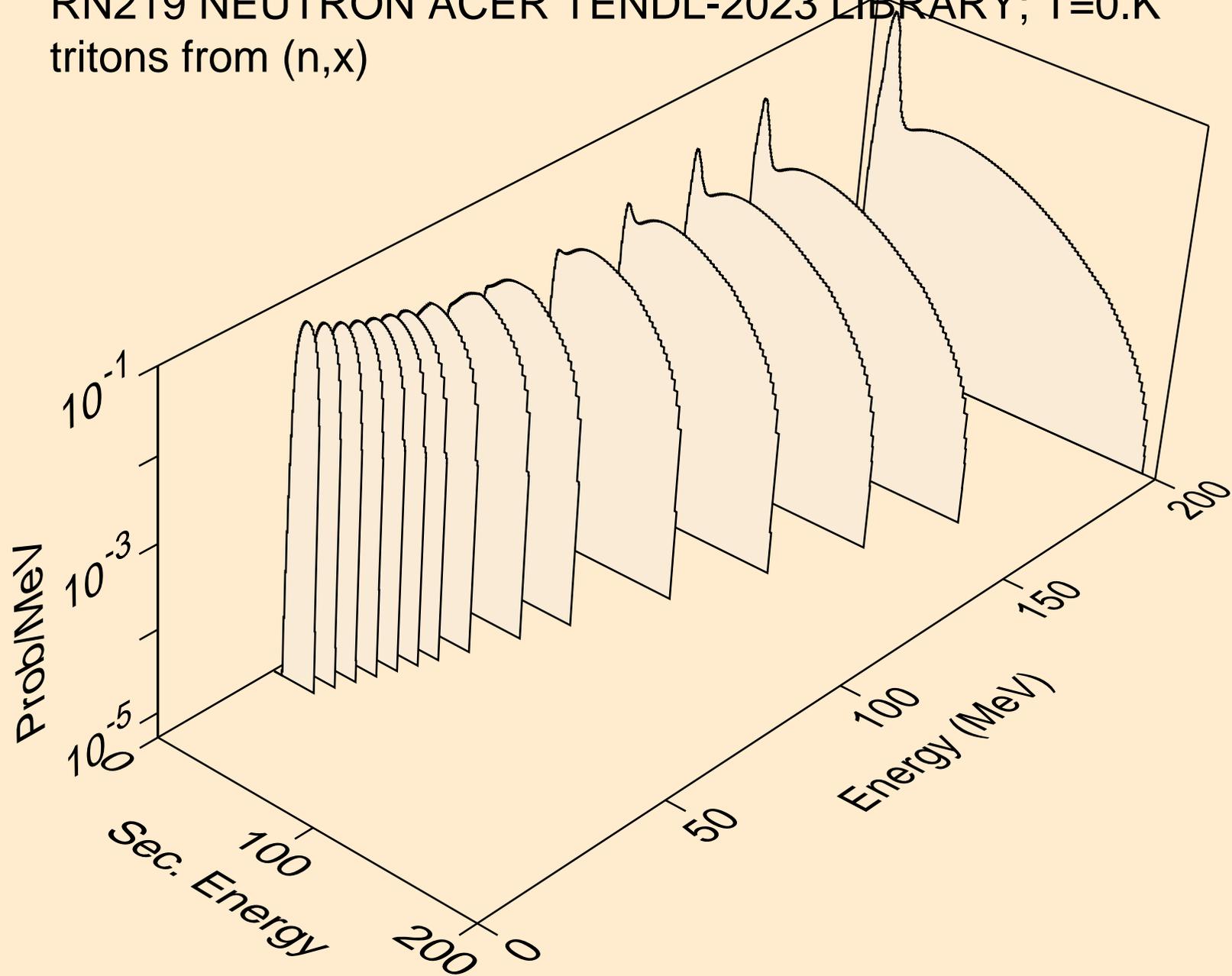
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,pd)



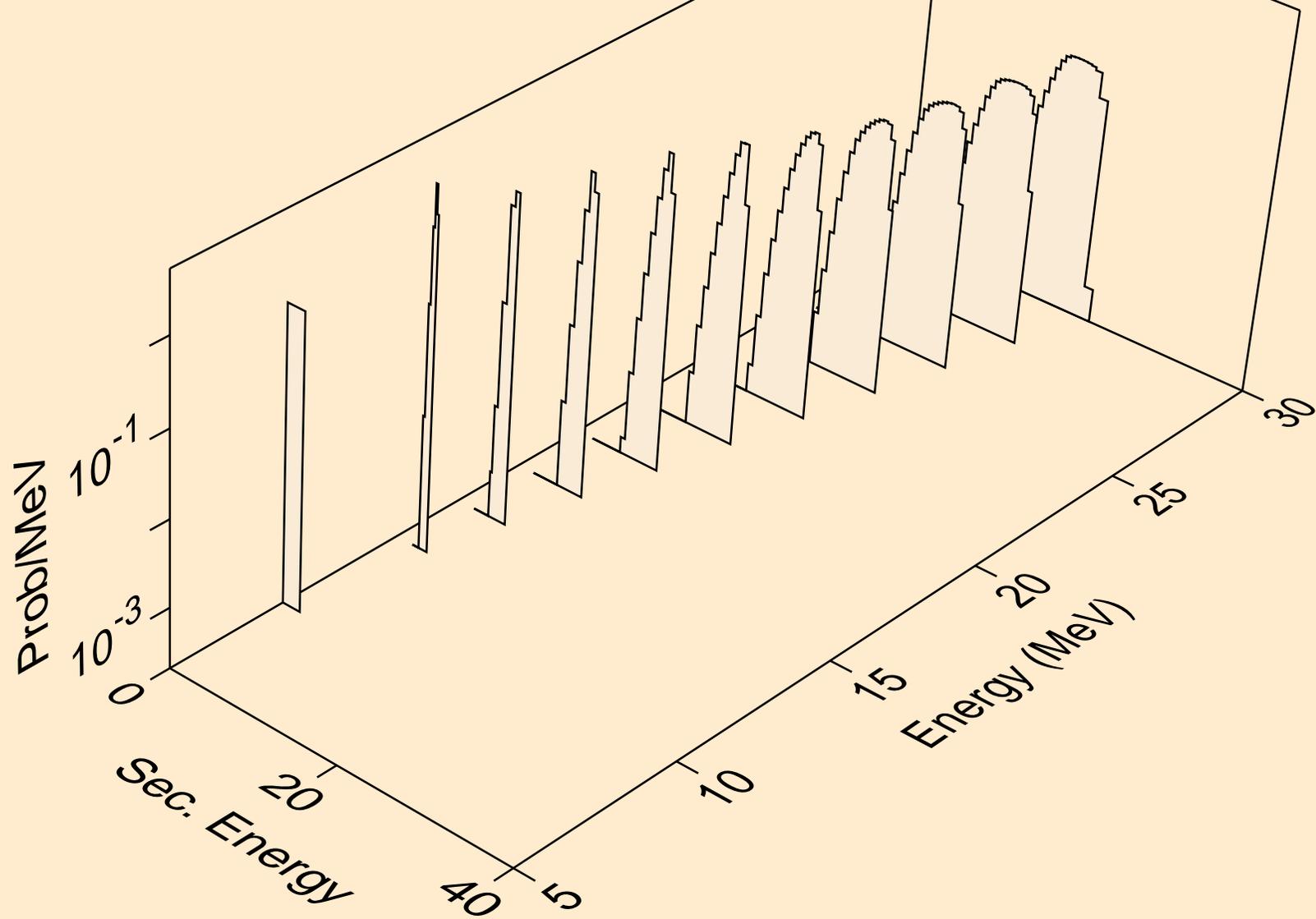
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,da)



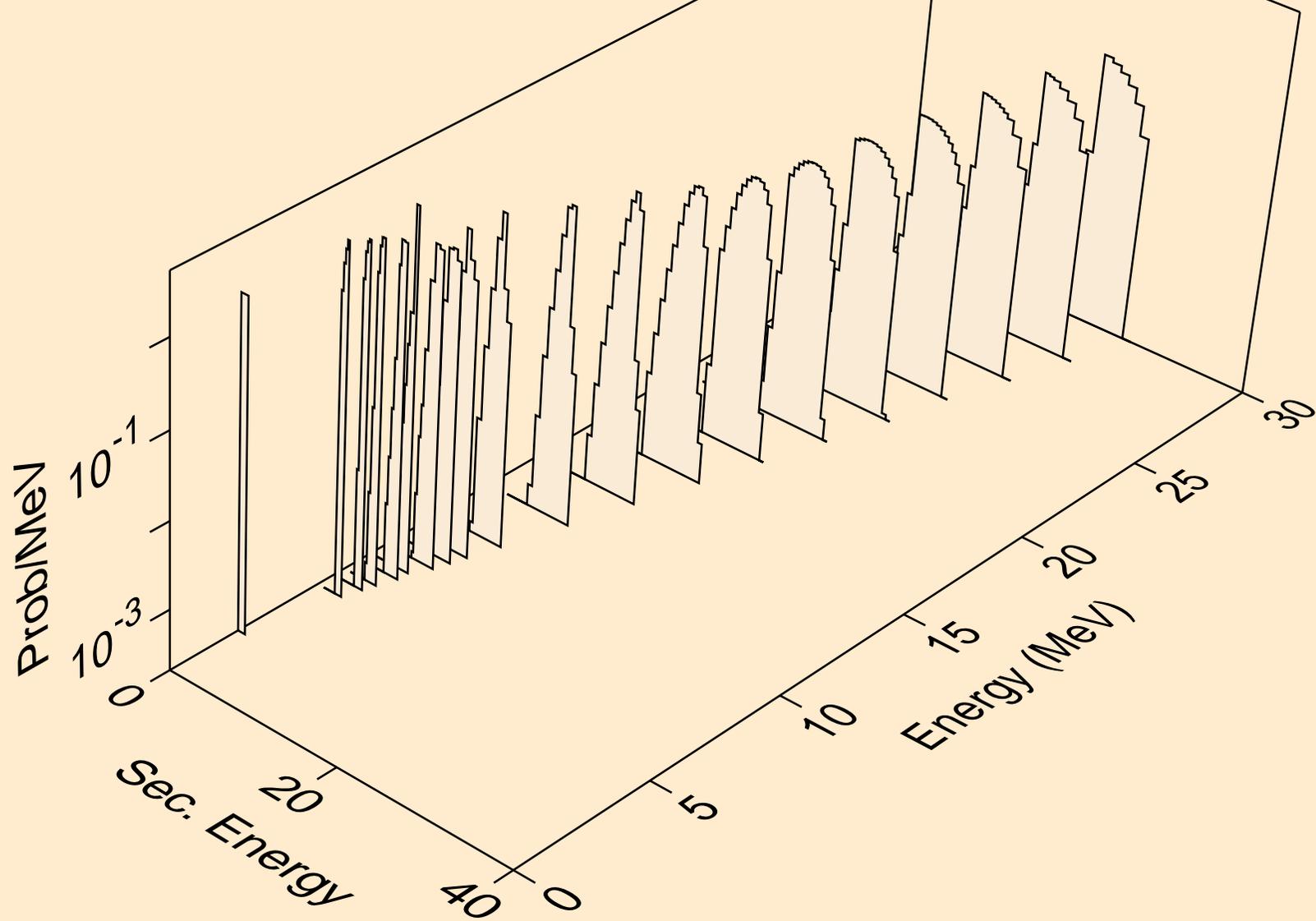
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,x)



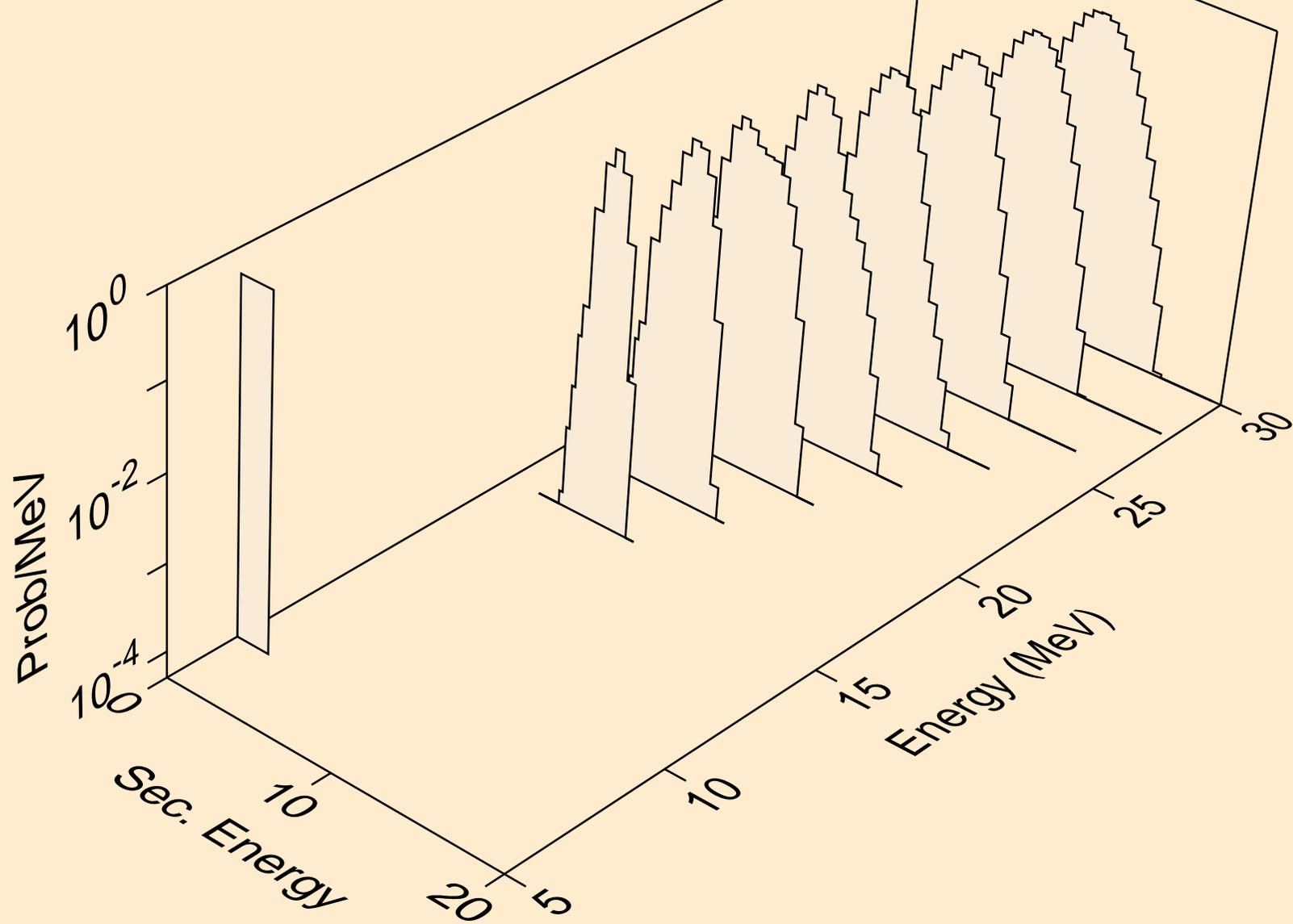
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,n\*)t



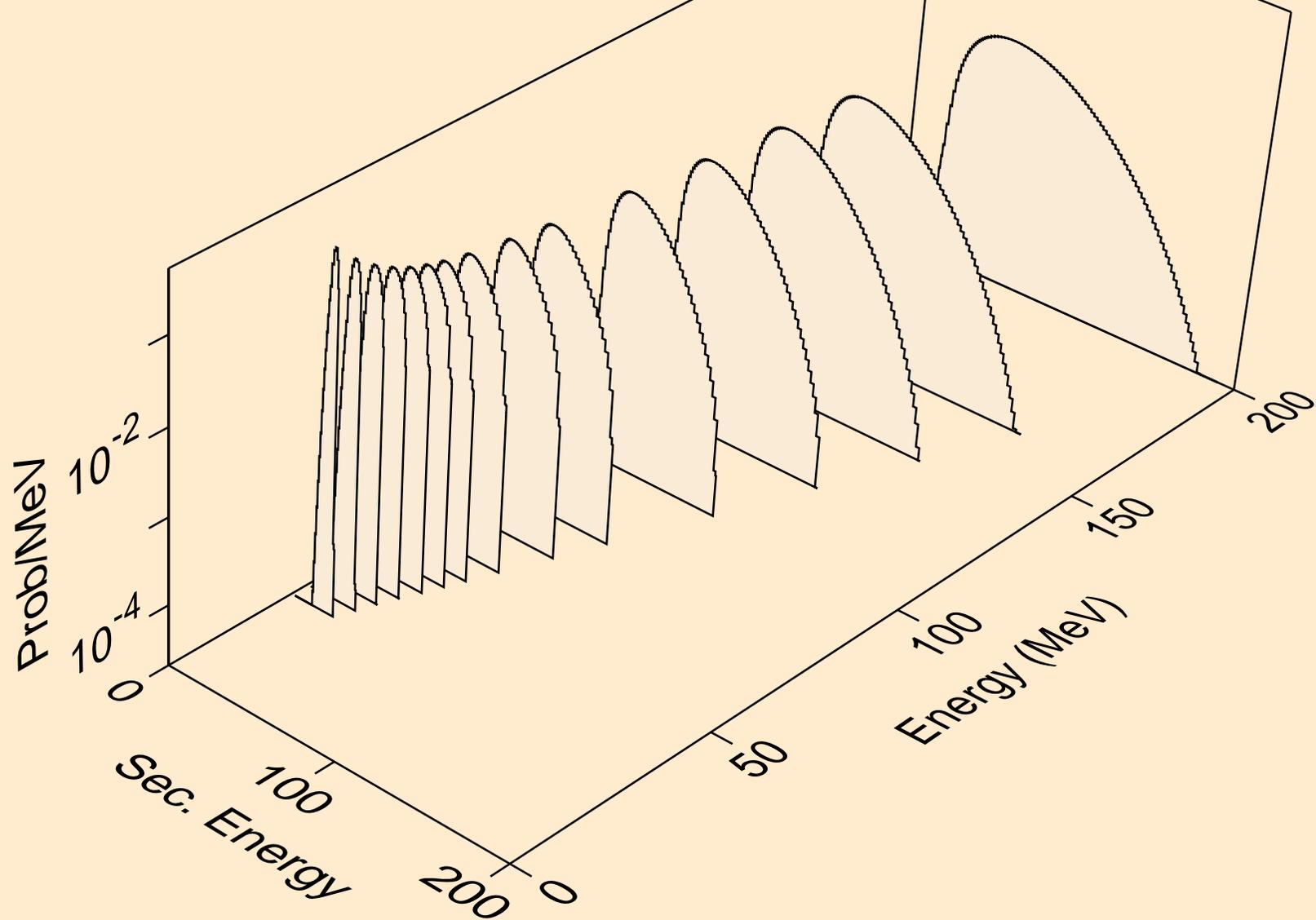
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,t)



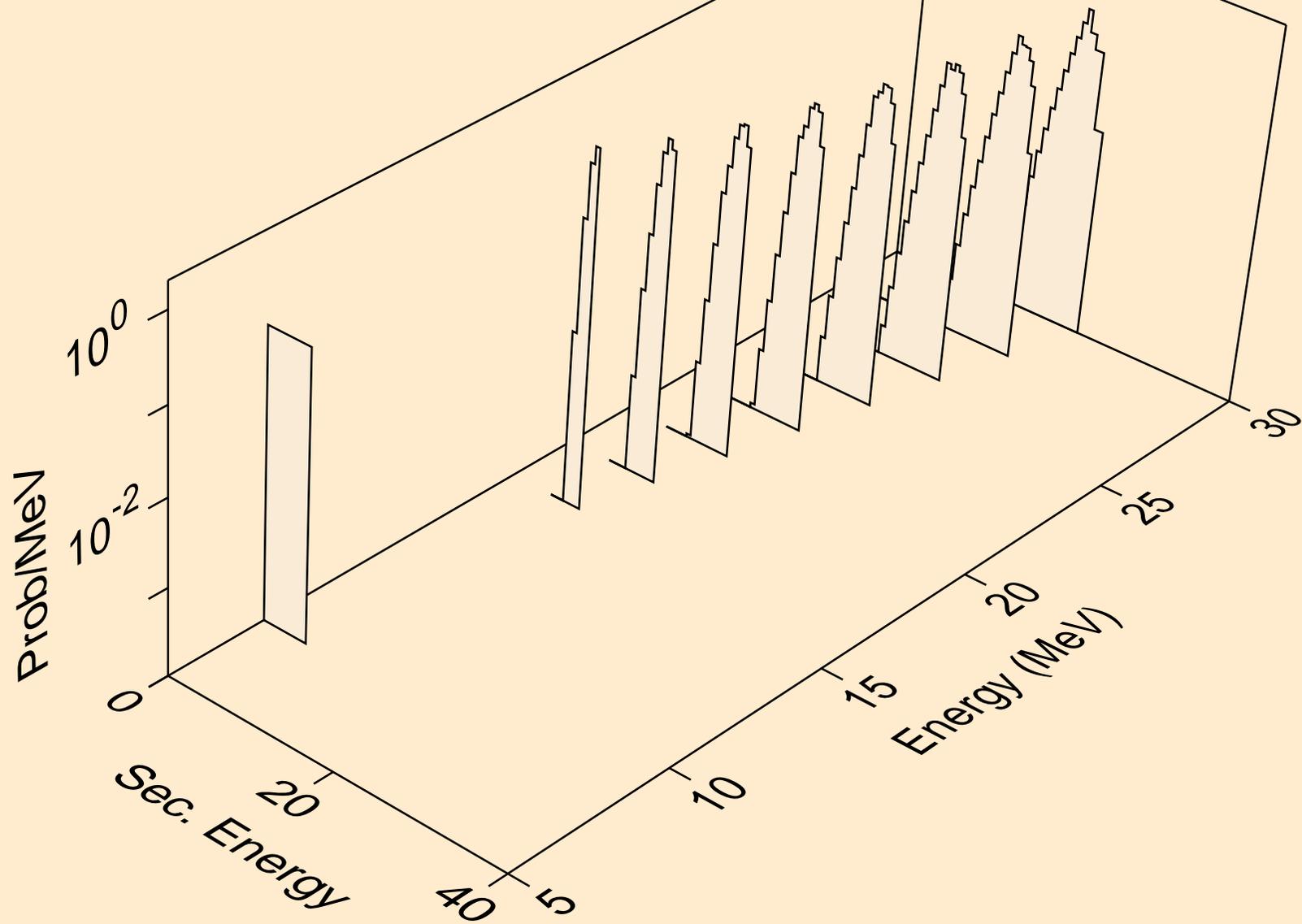
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,pt)



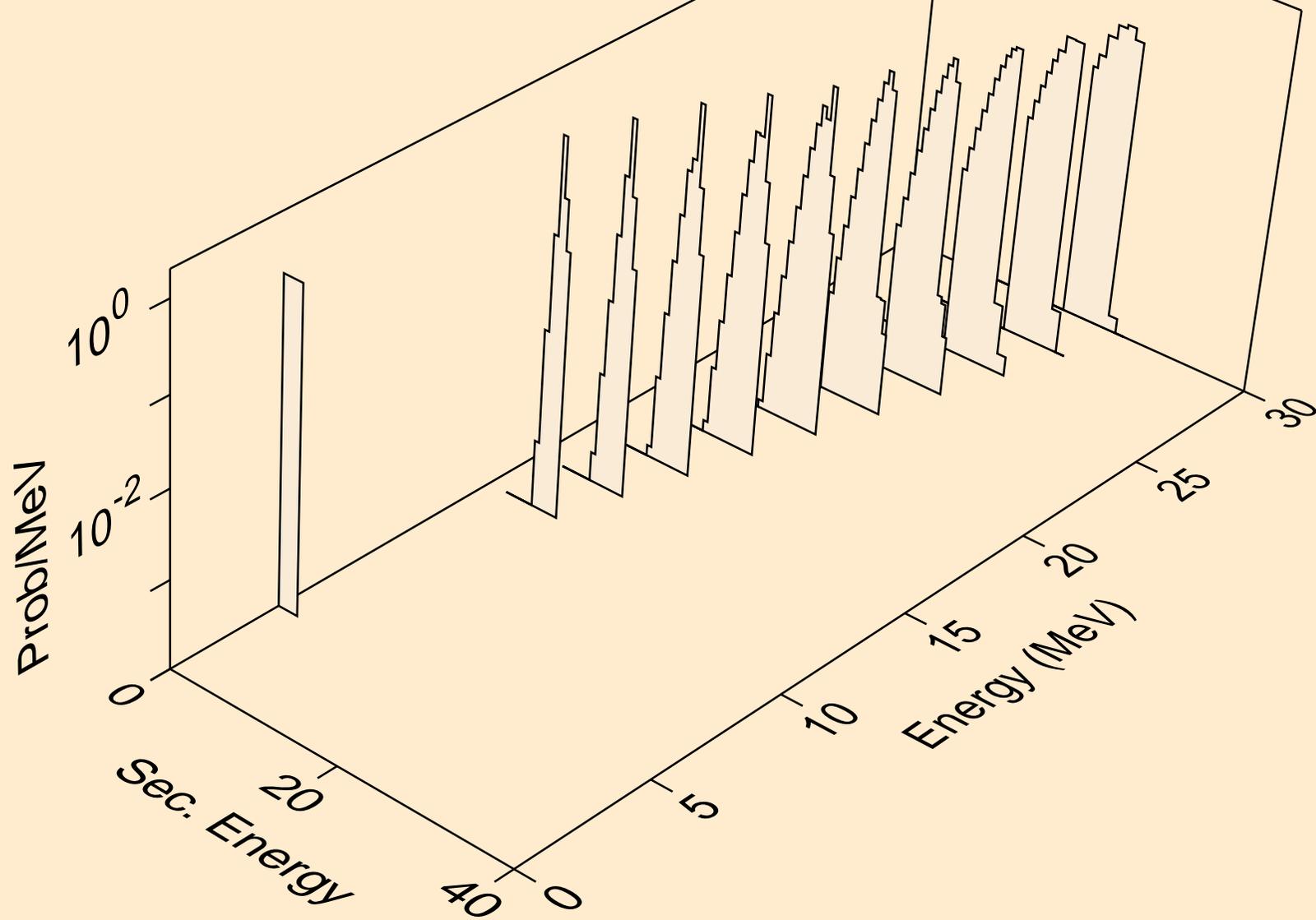
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,x)



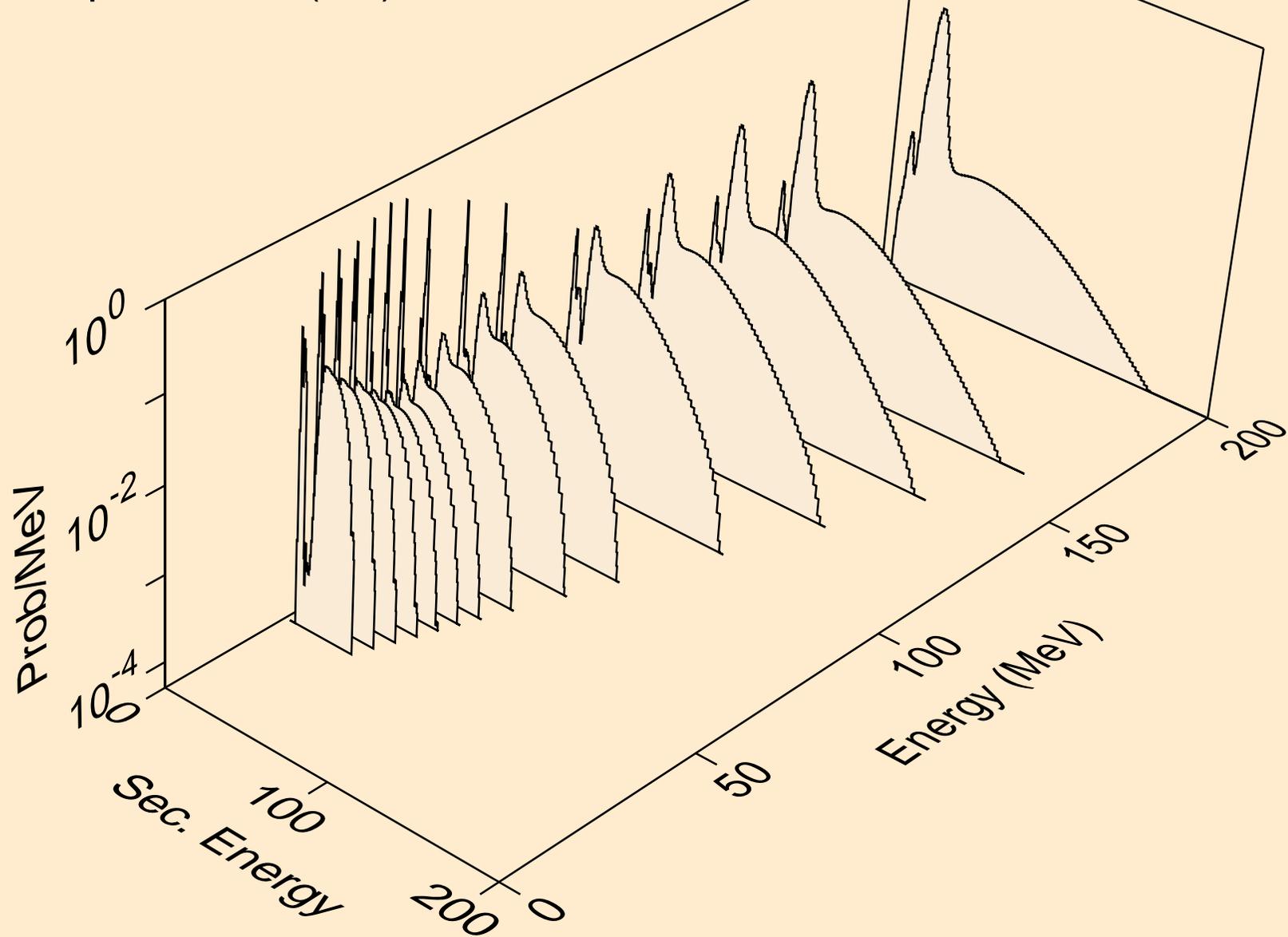
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,n\*)he3



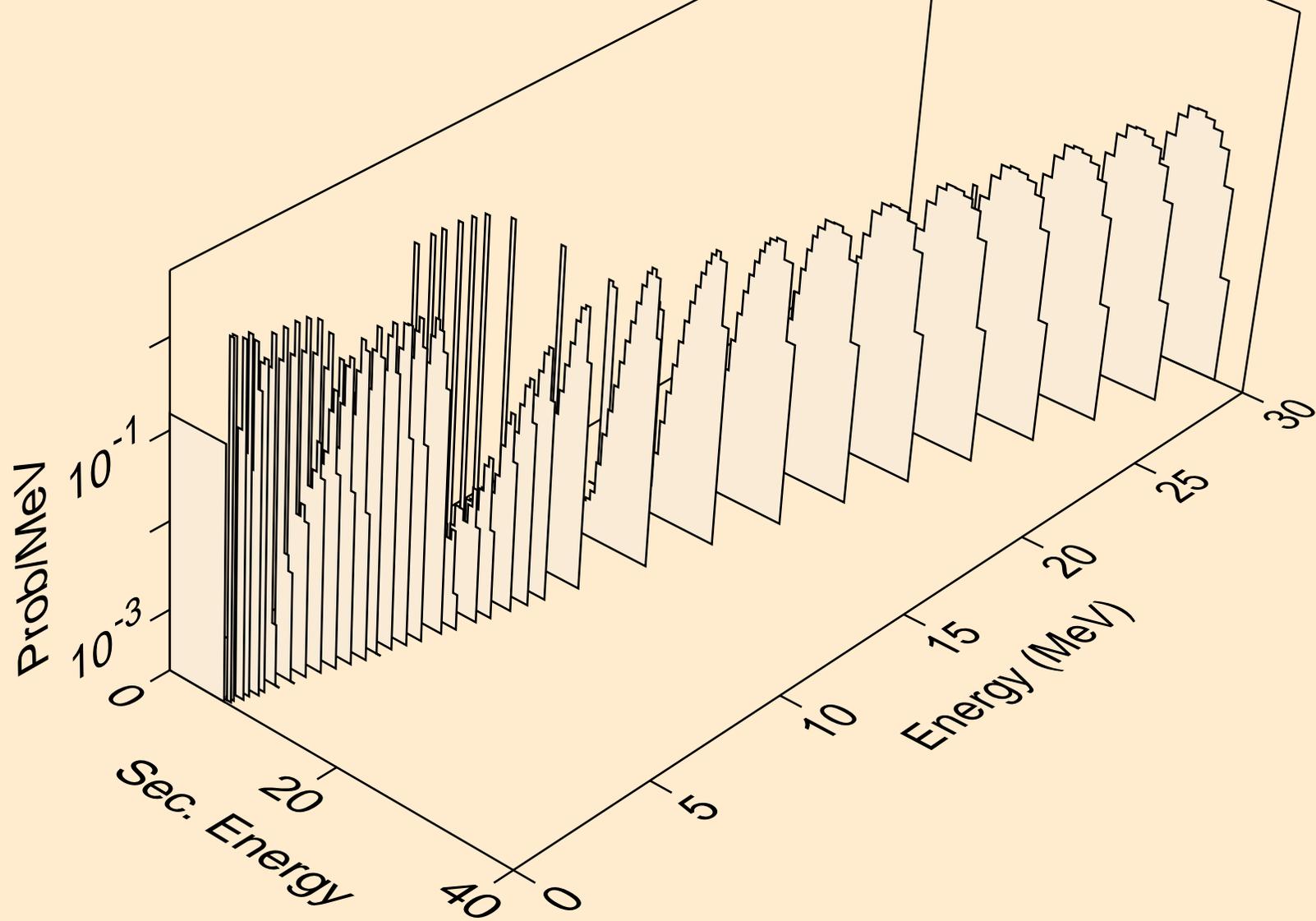
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,he3)



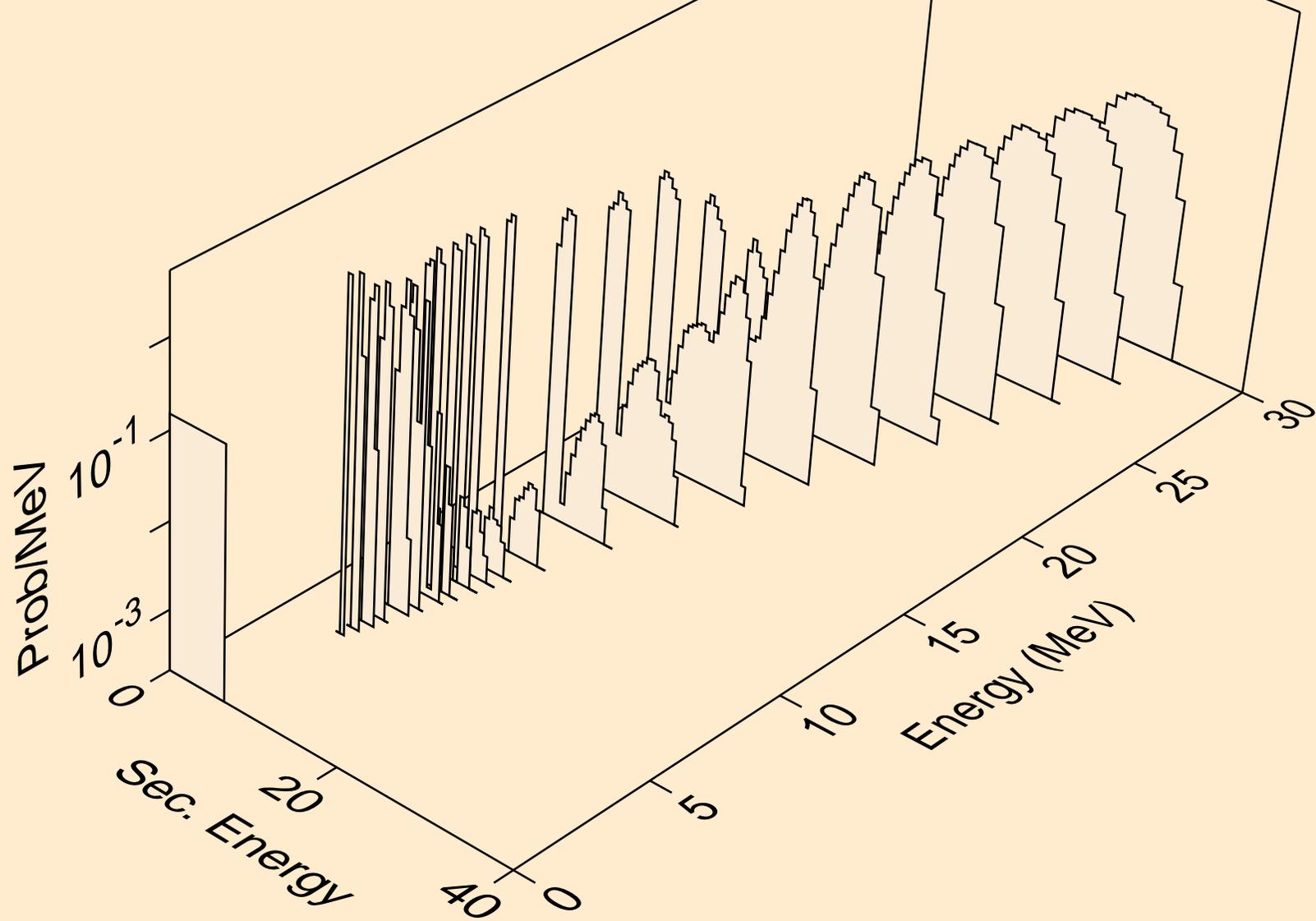
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,x)



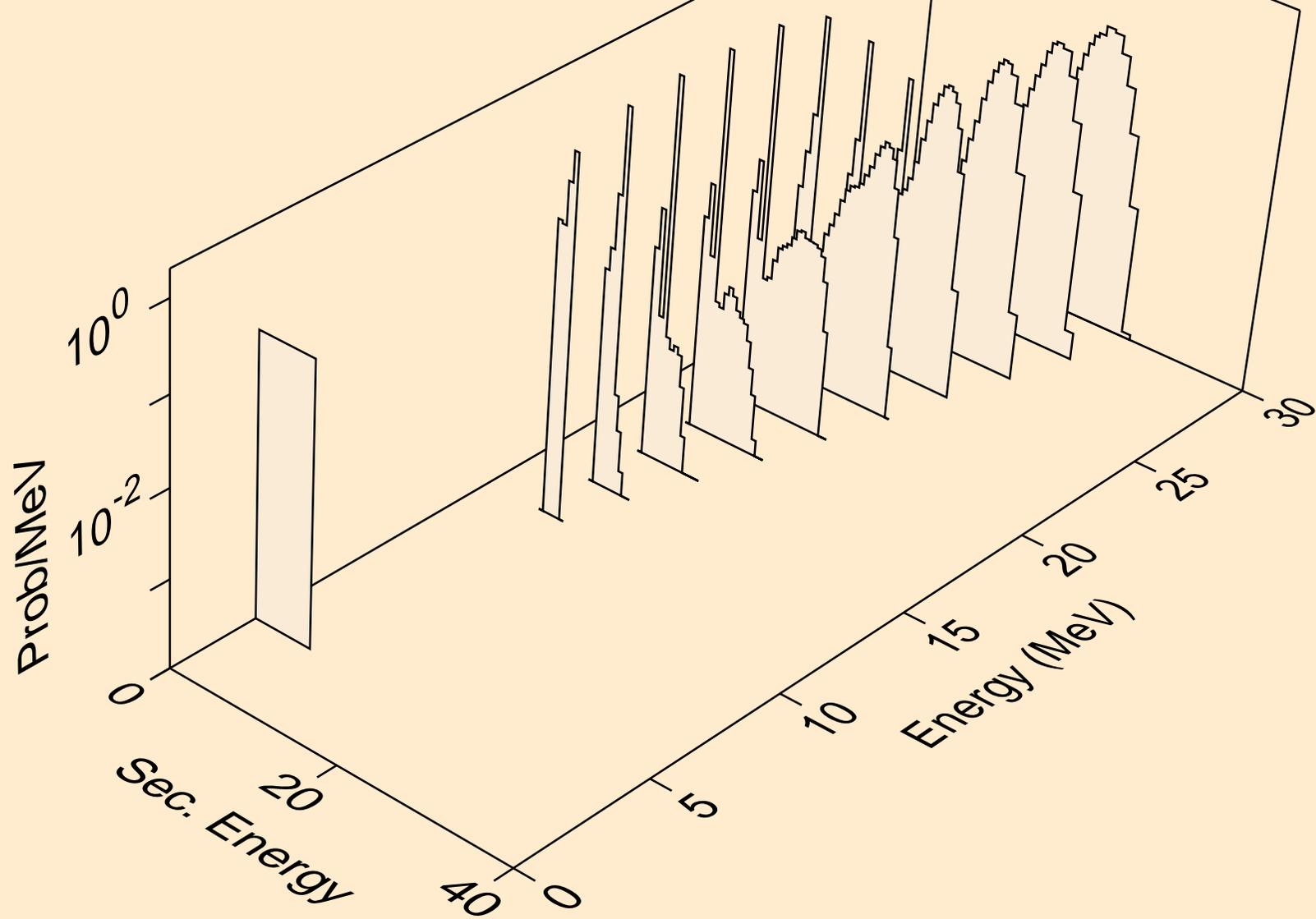
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)a



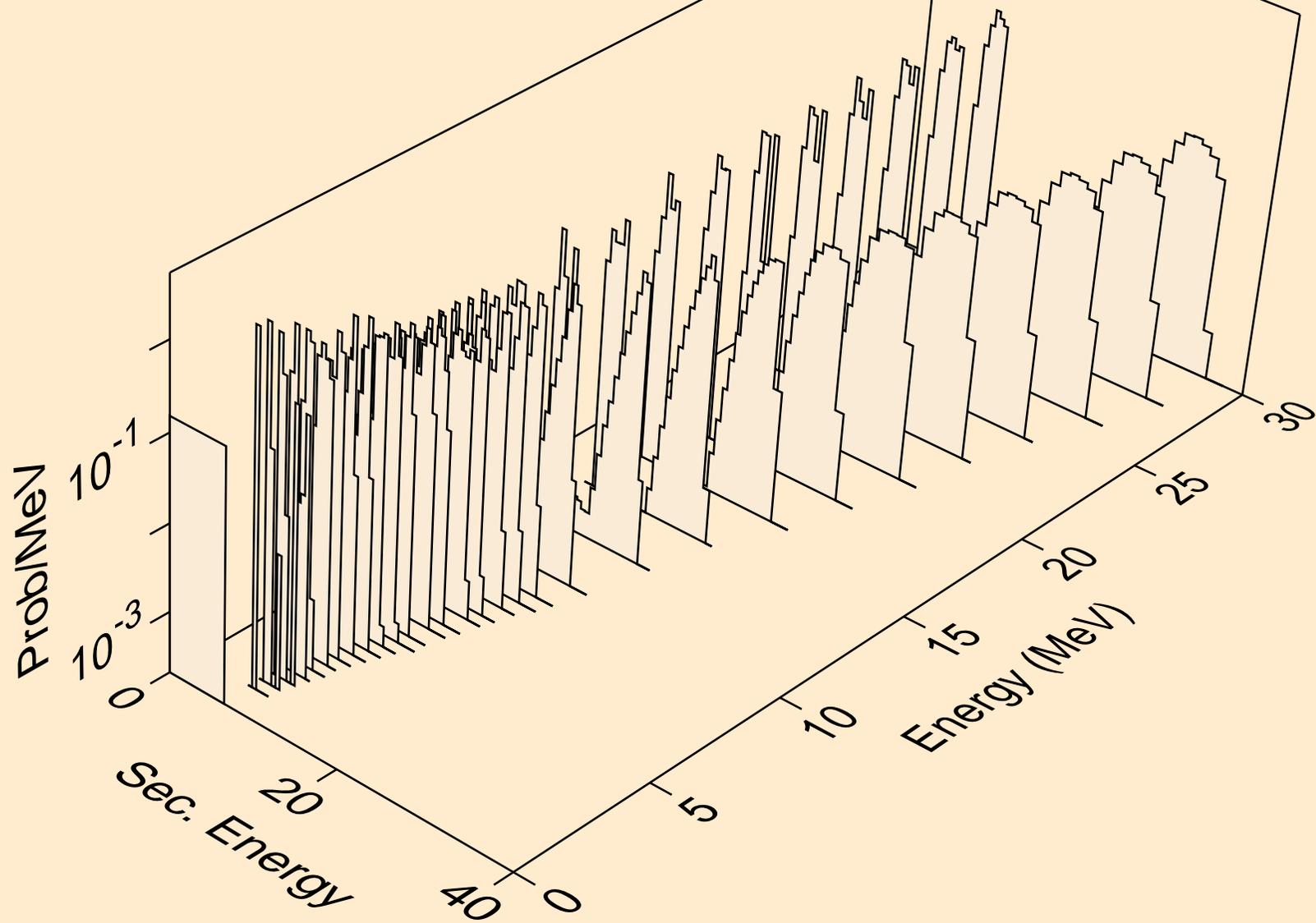
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2n)a



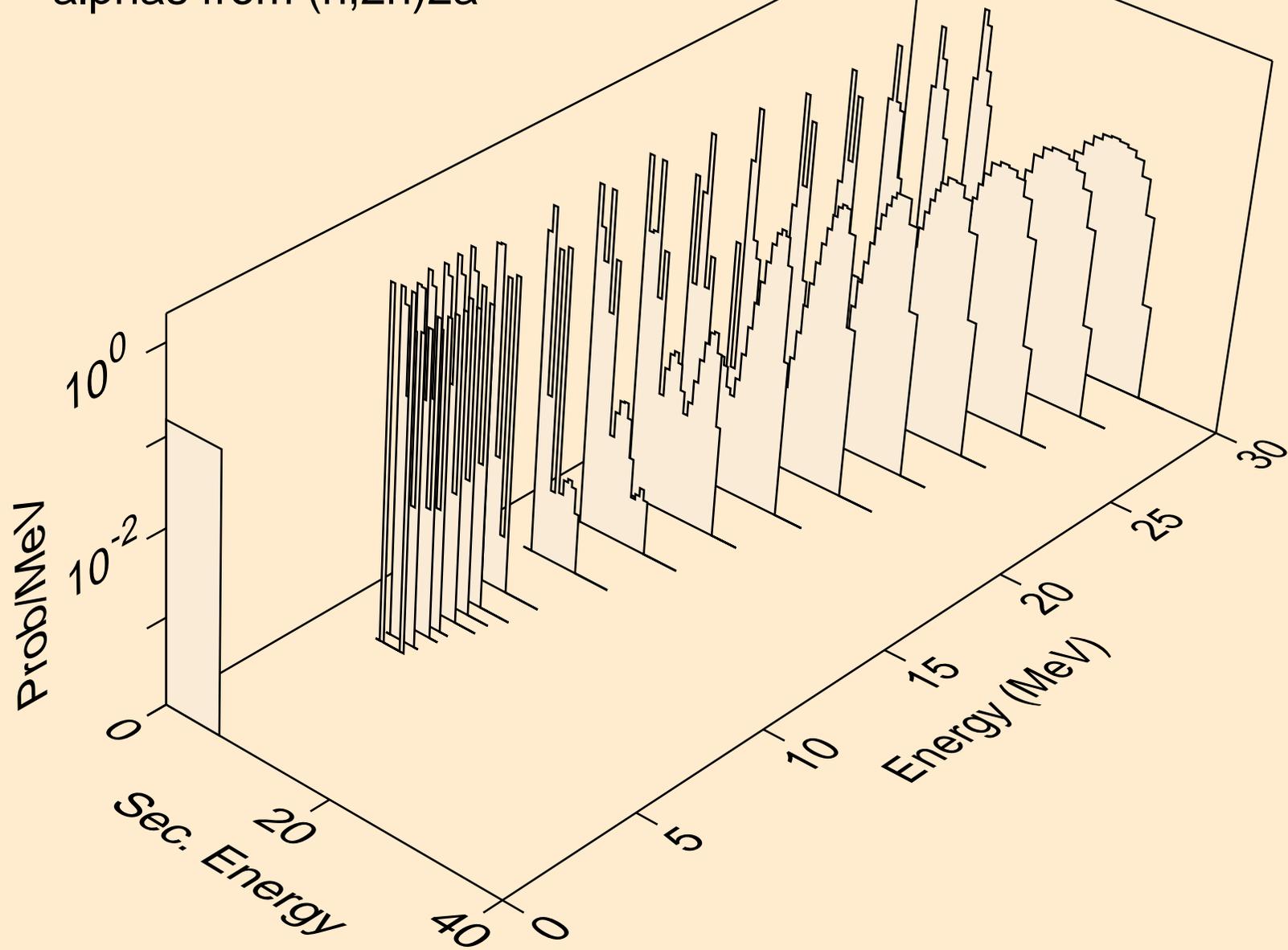
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,3n)a



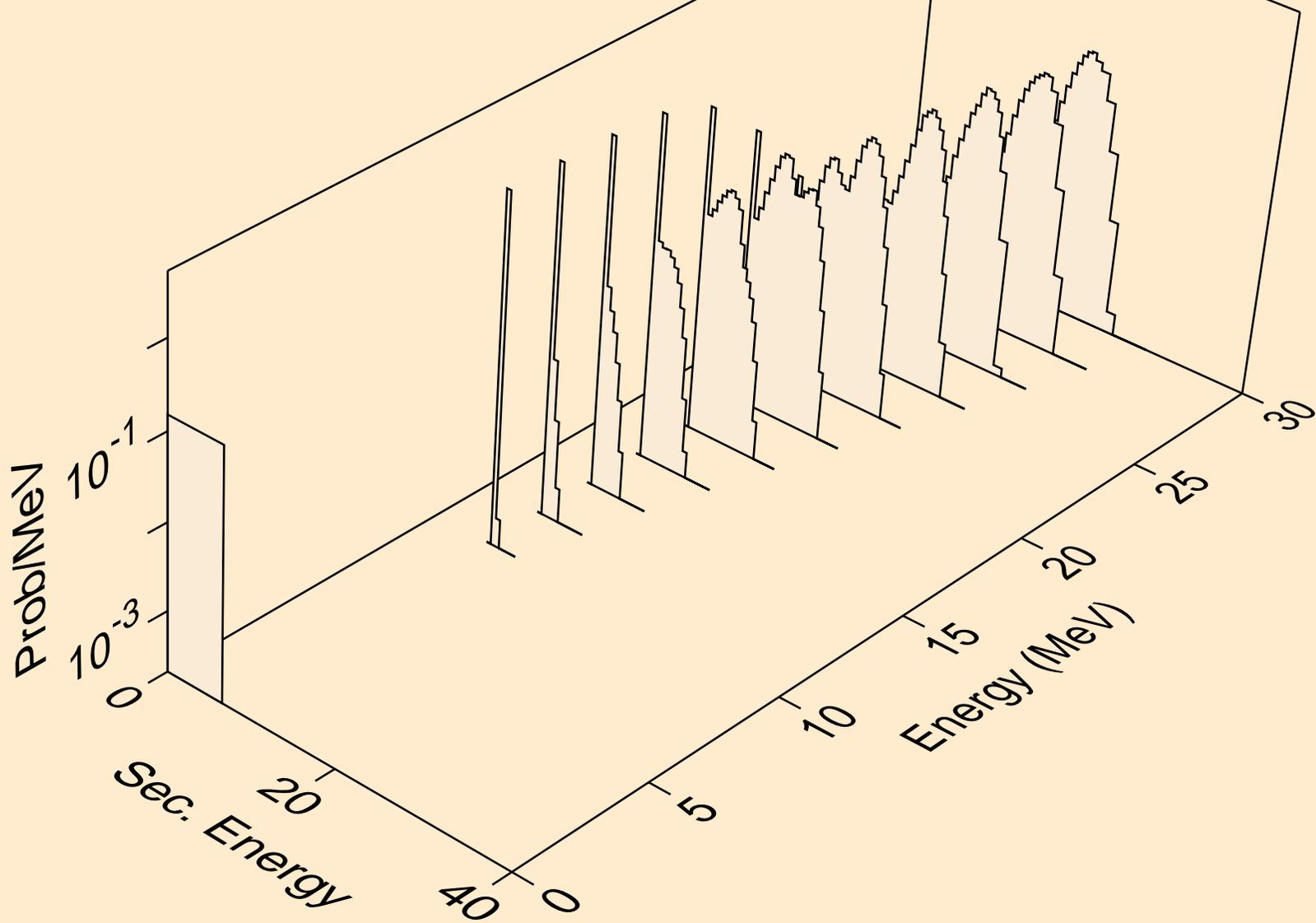
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)2a



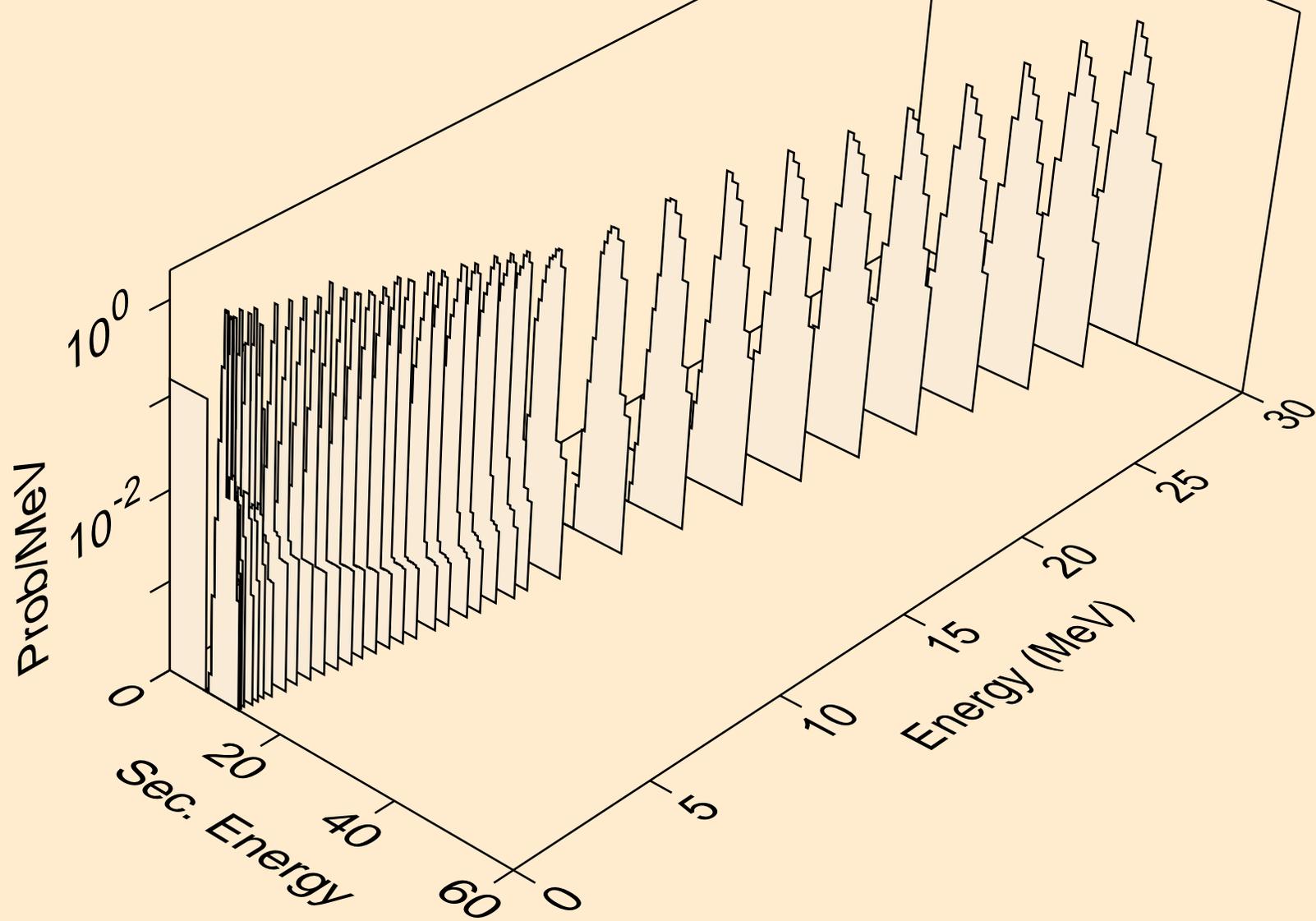
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2n)2a



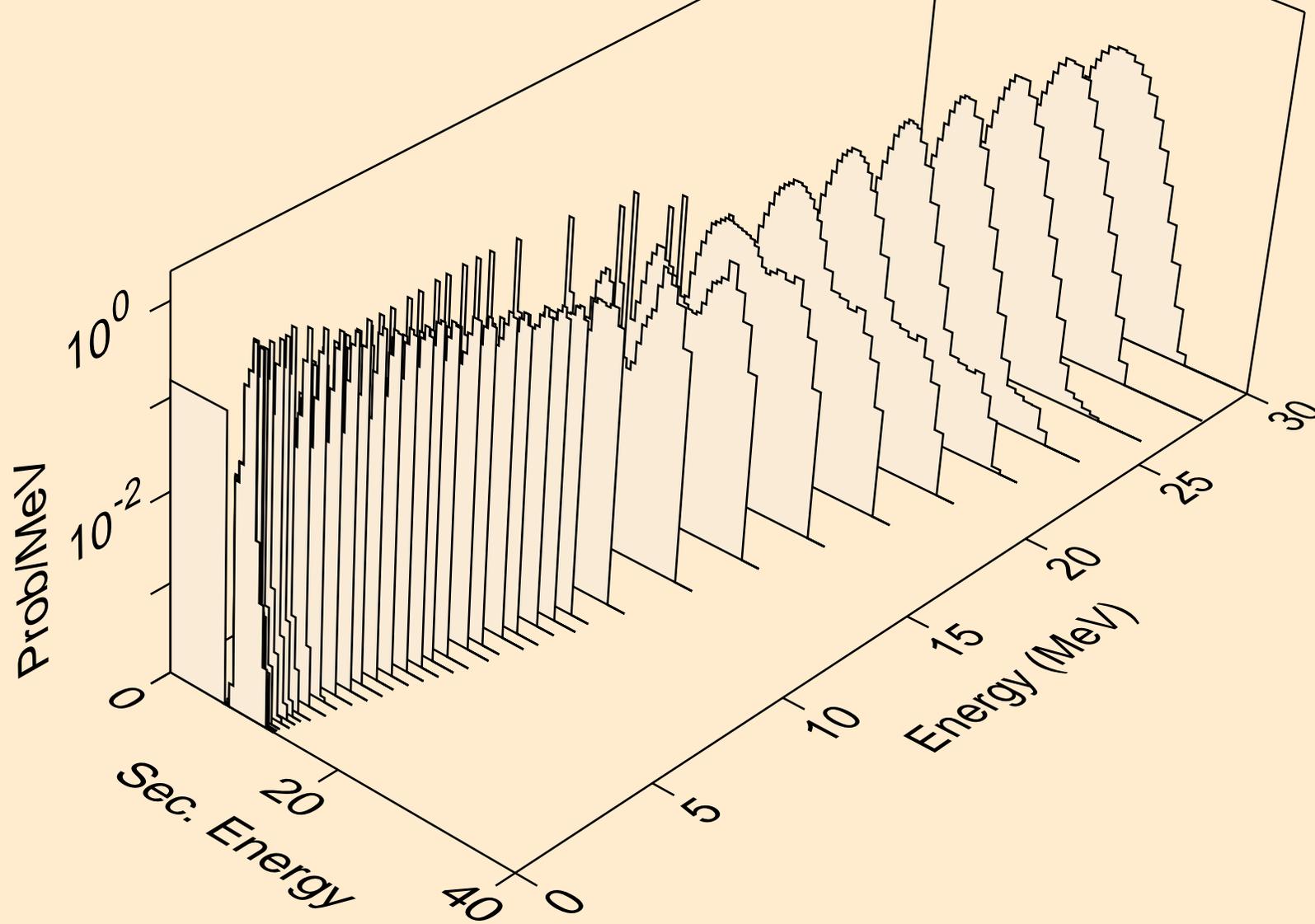
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,npa)



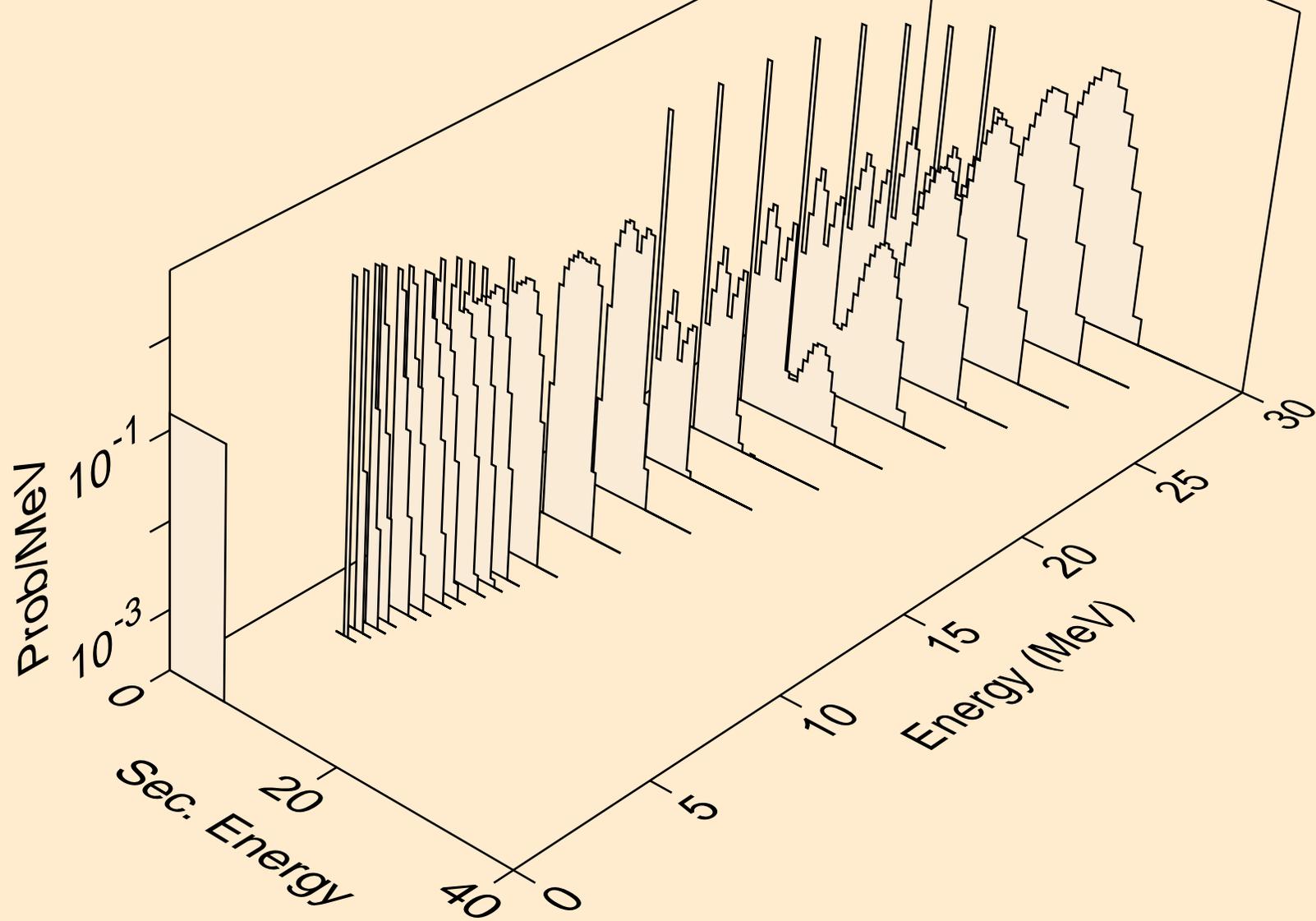
RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,a)



RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2a)



RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,pa)



RN219 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,da)

