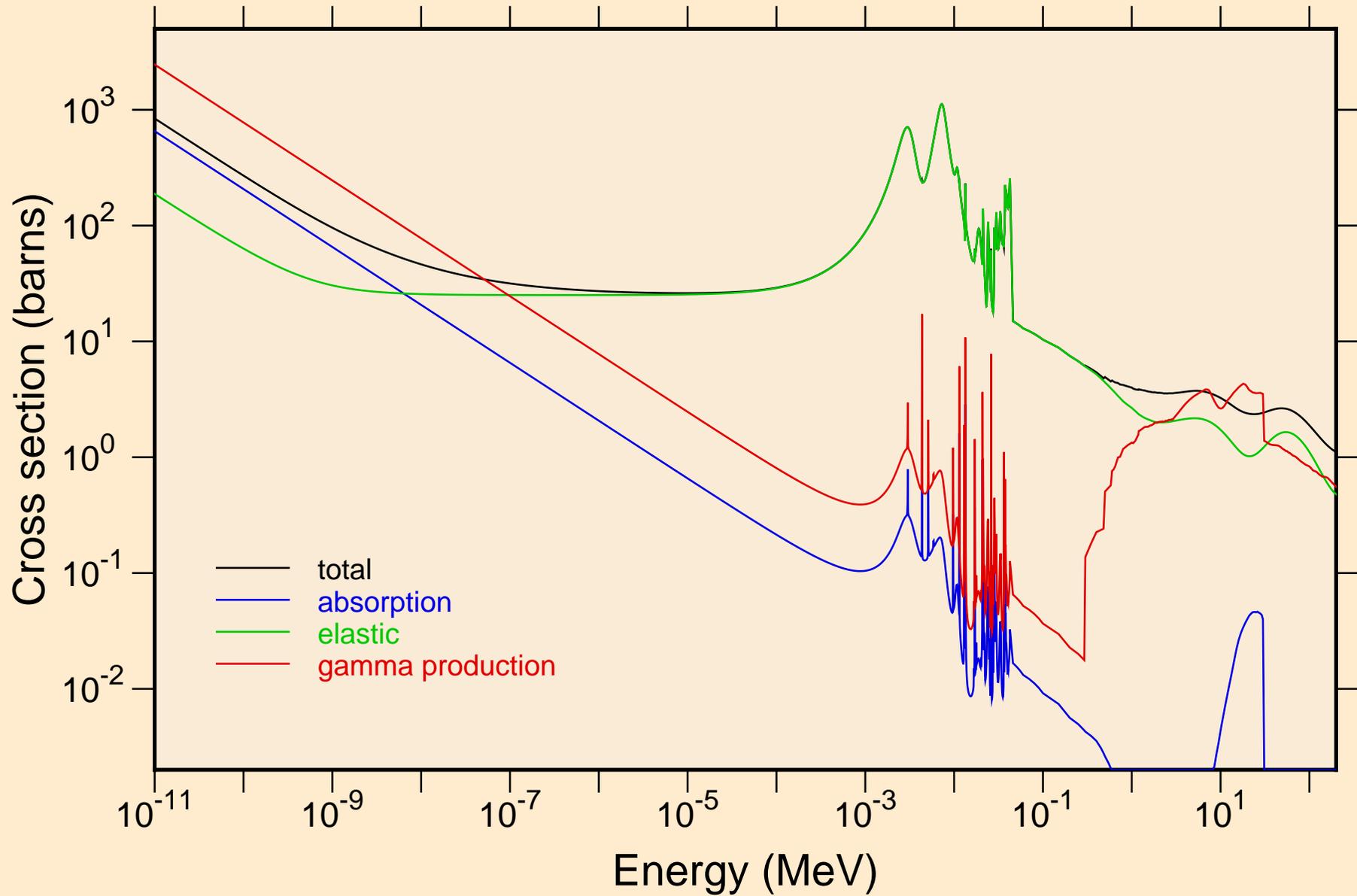
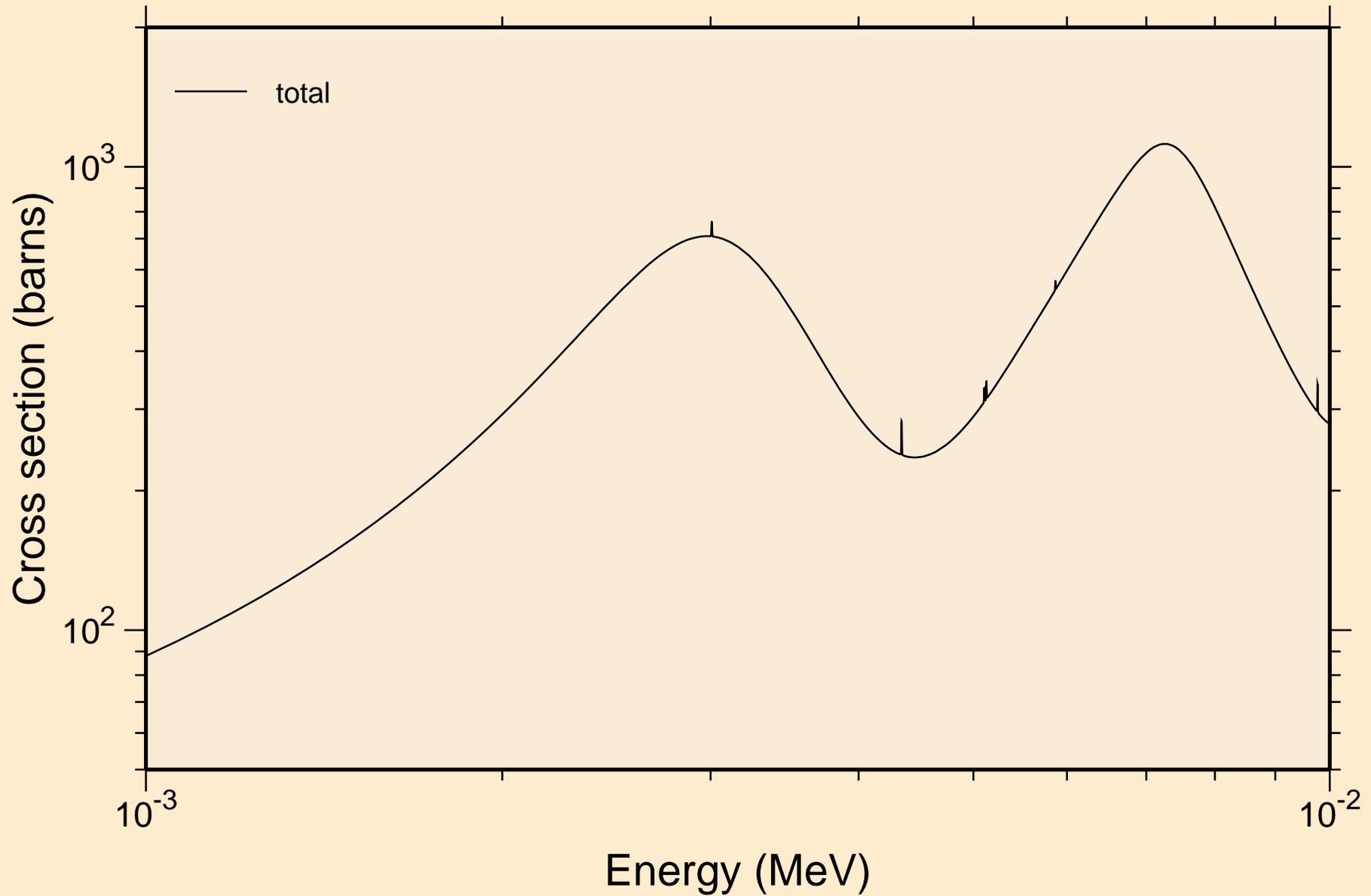


# FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

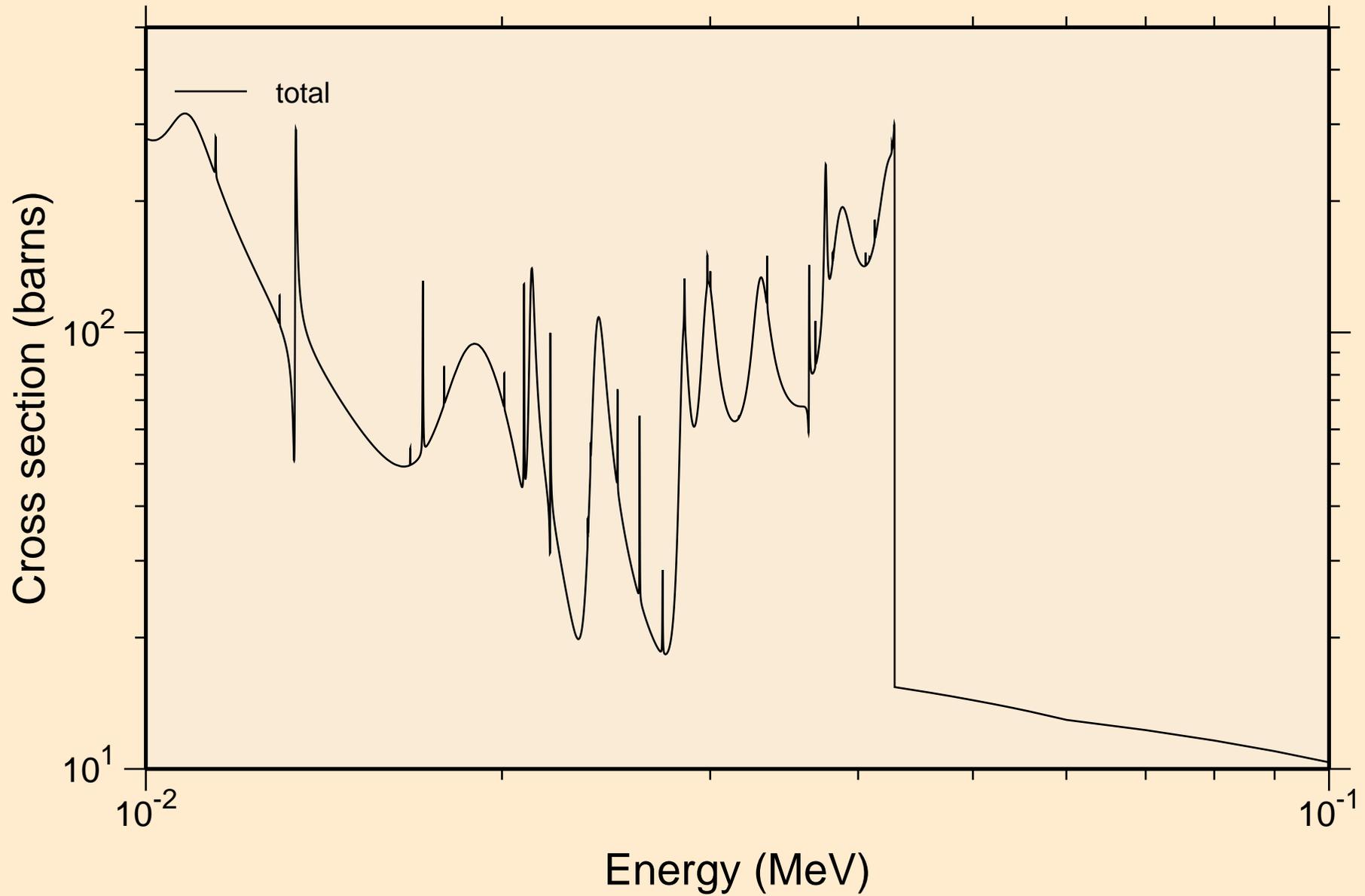
## Principal cross sections



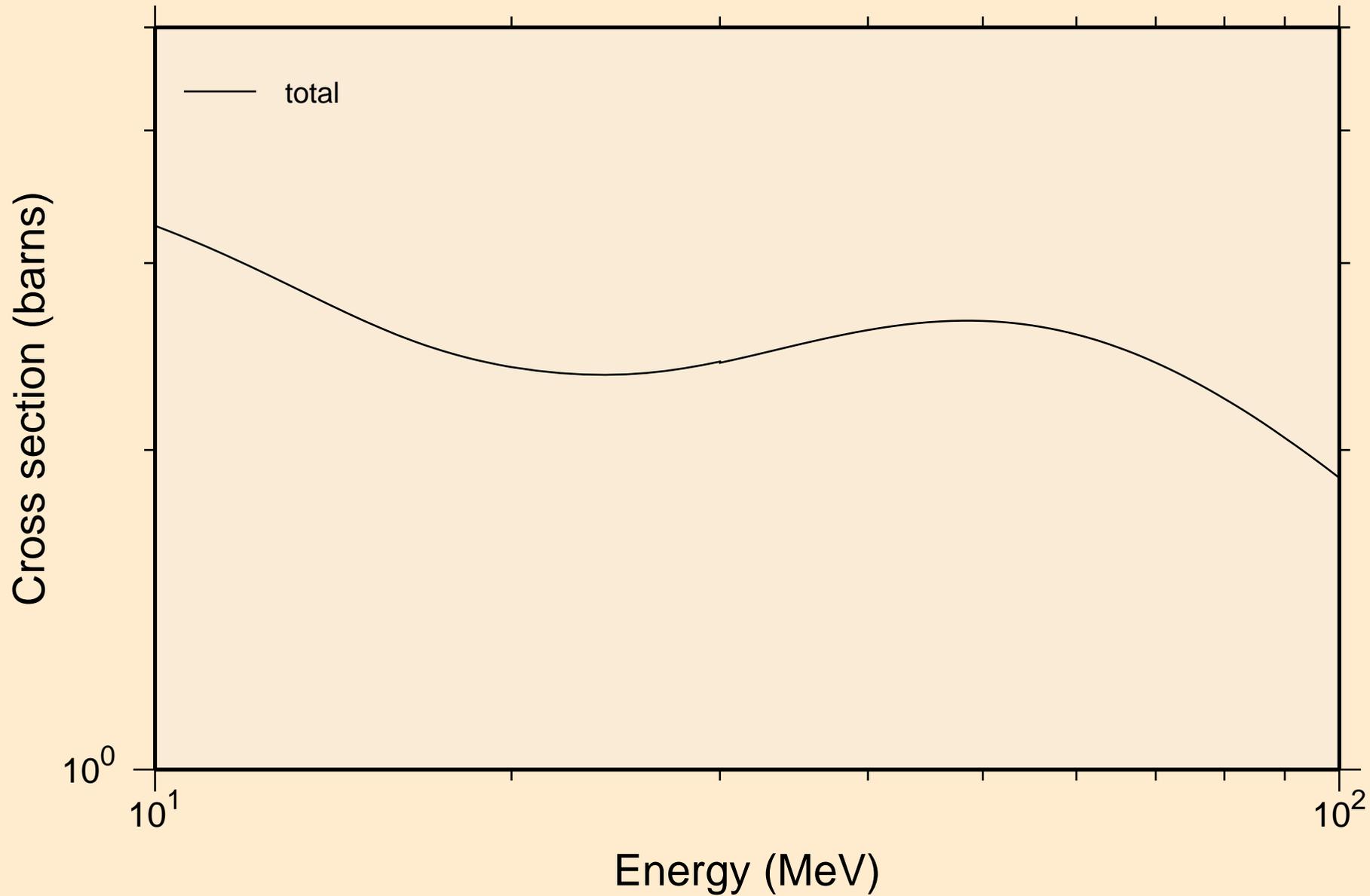
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



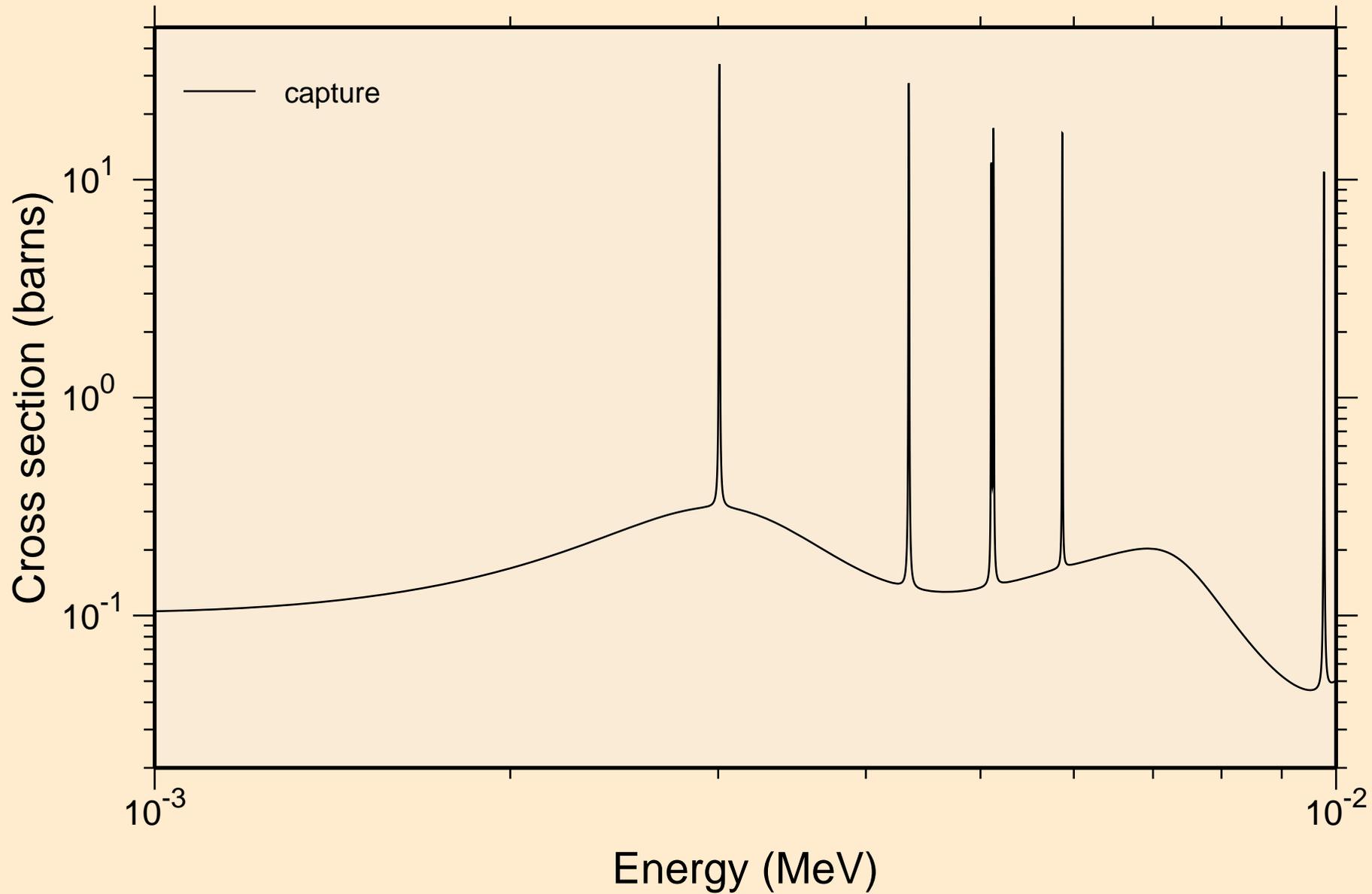
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



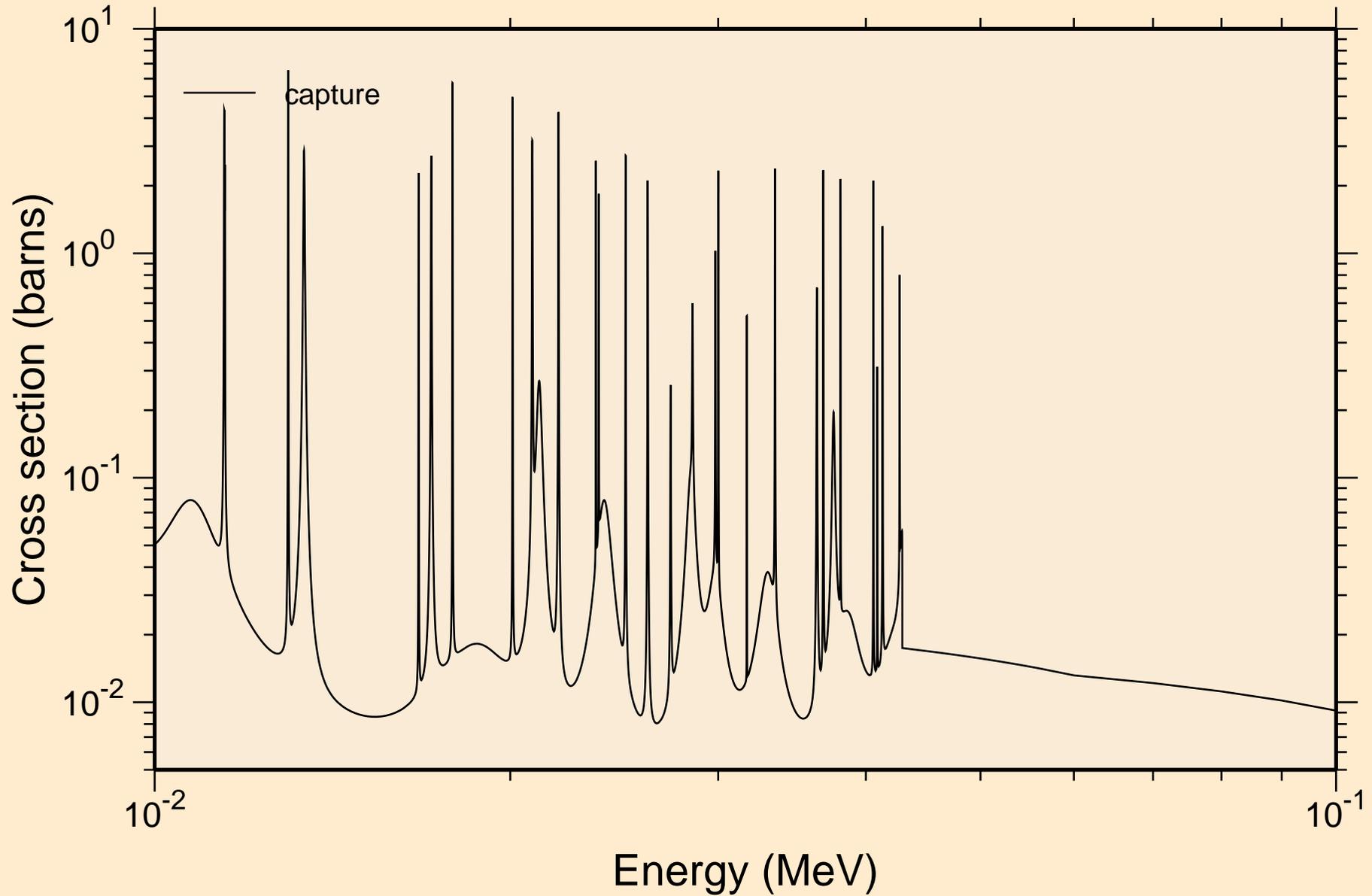
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



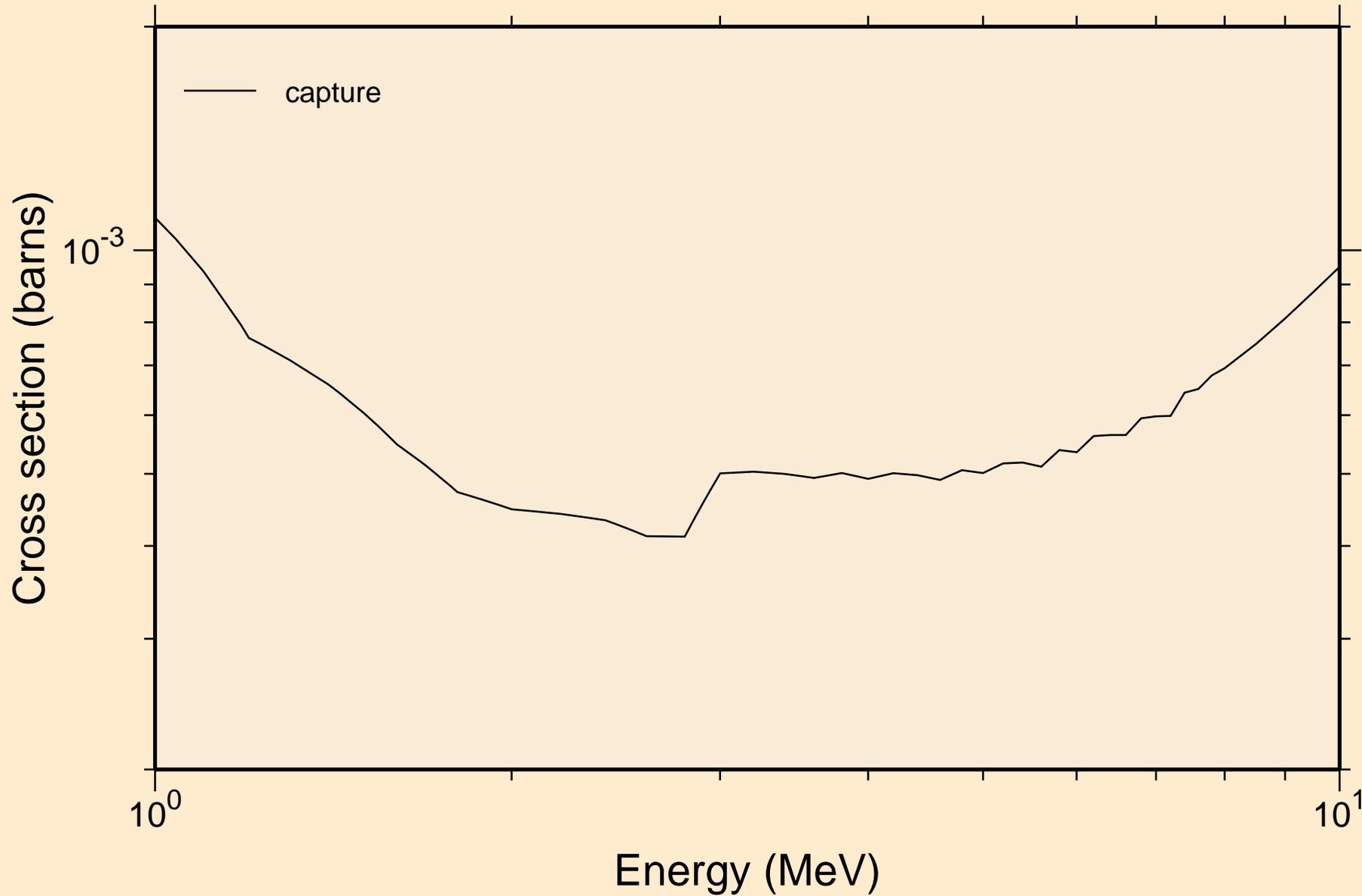
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



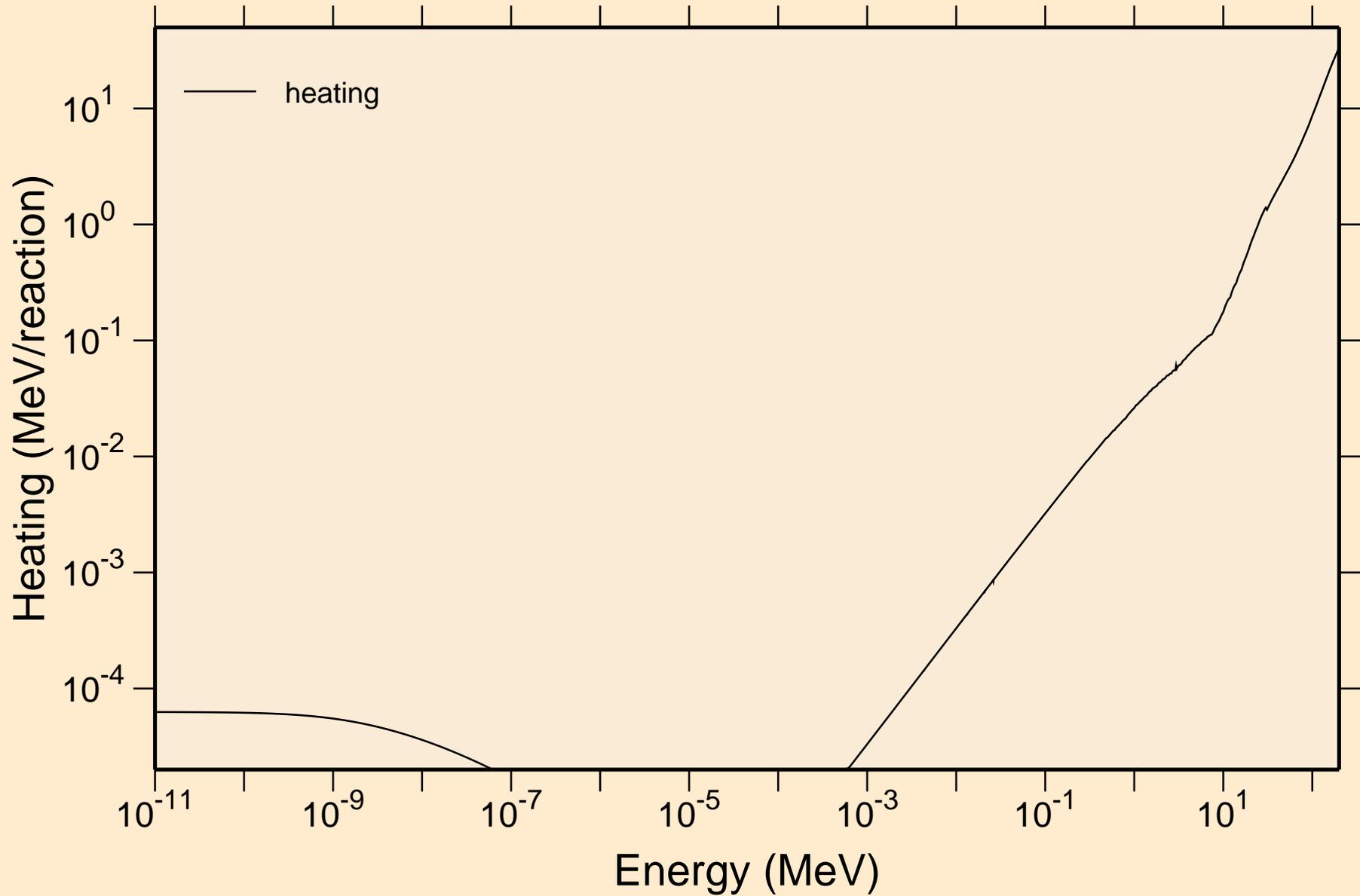
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



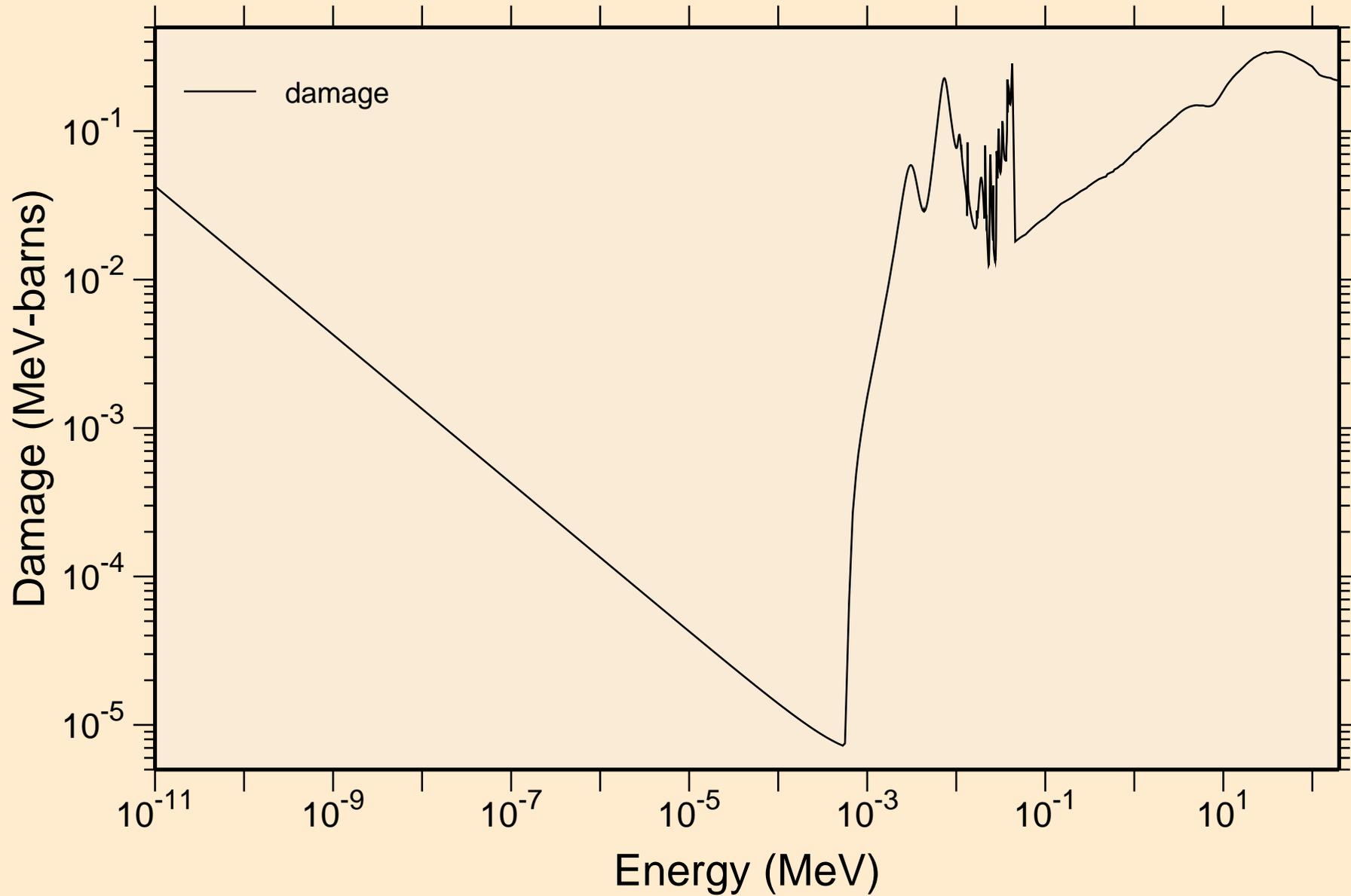
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



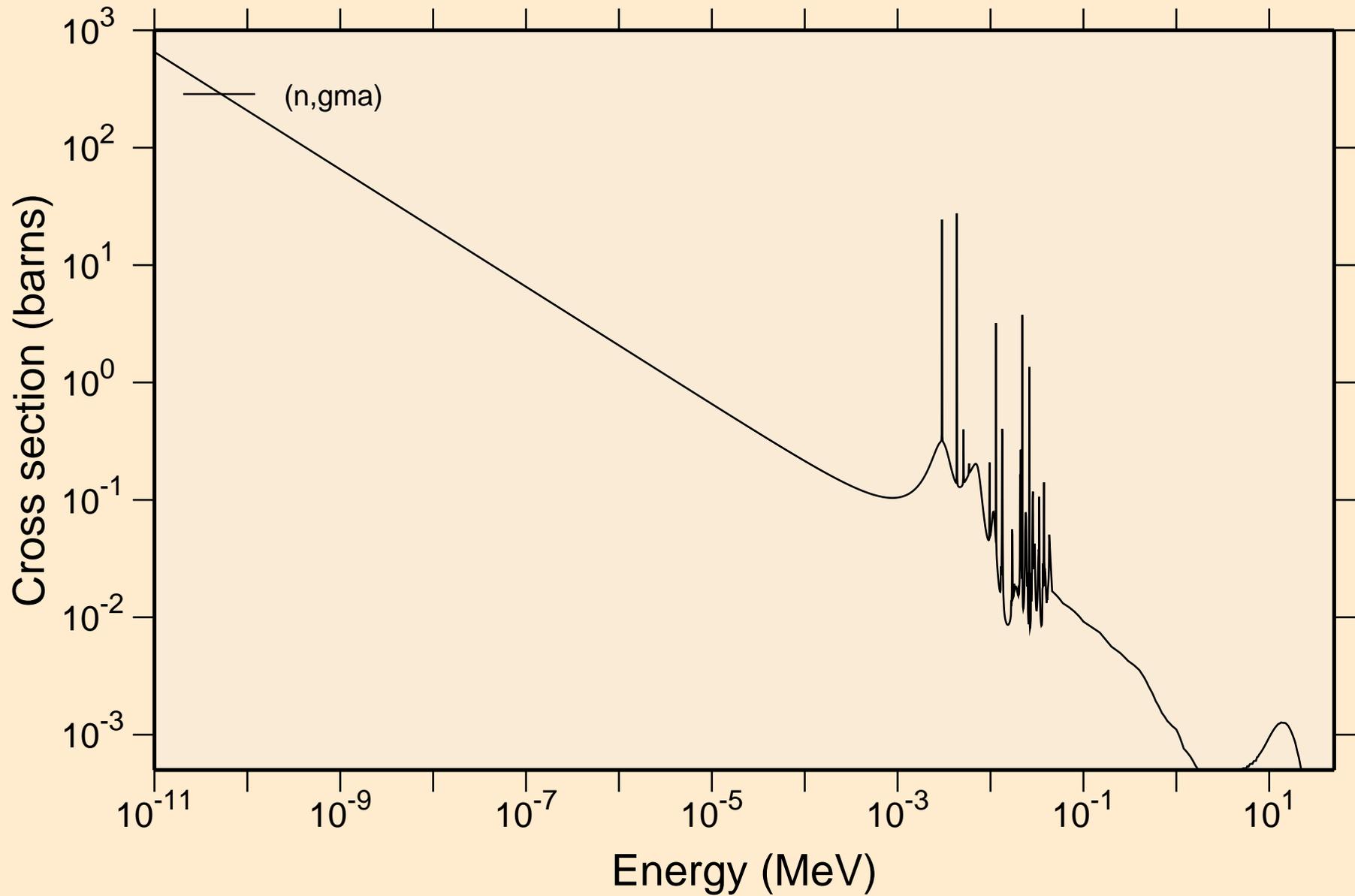
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Heating



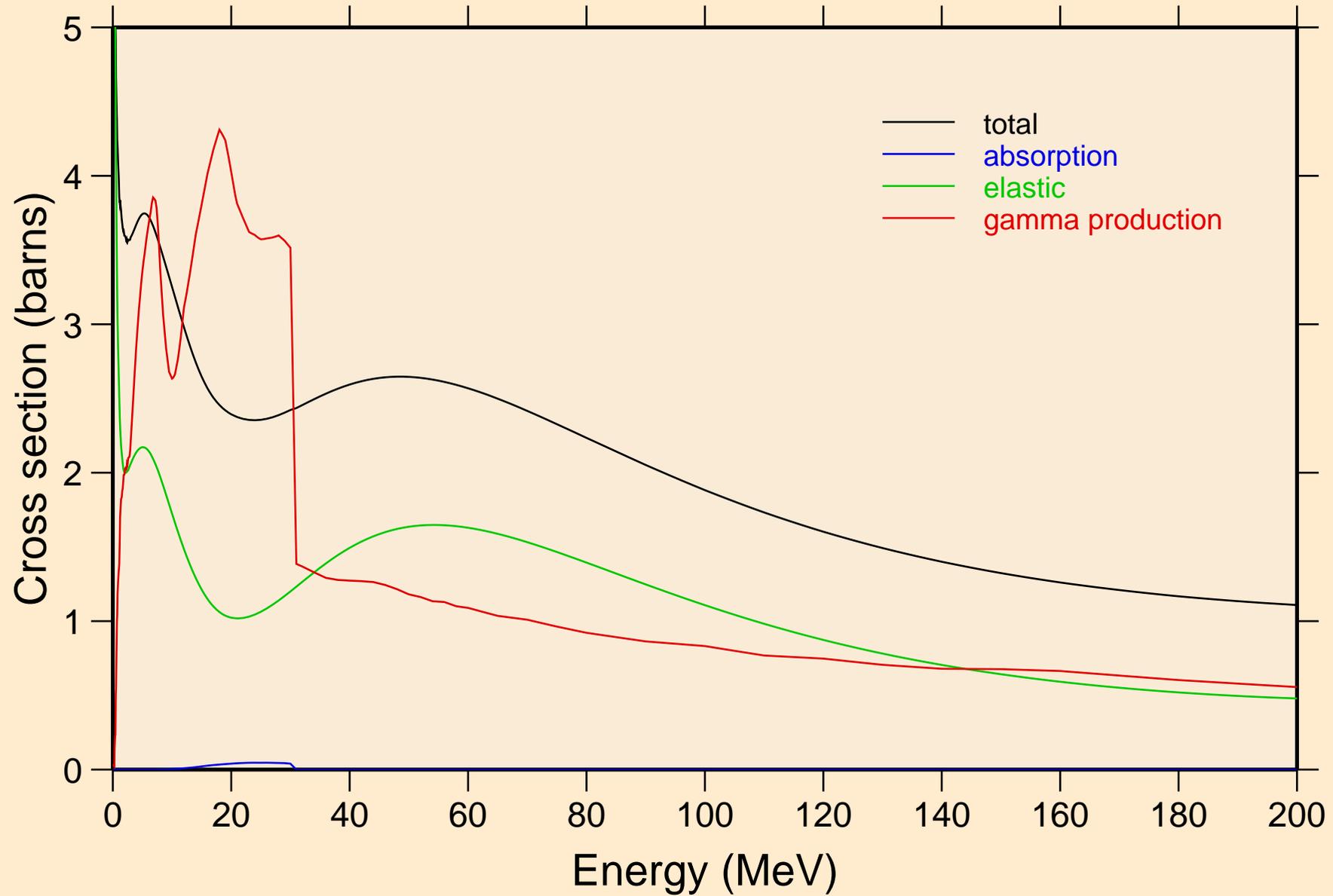
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Damage



FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions

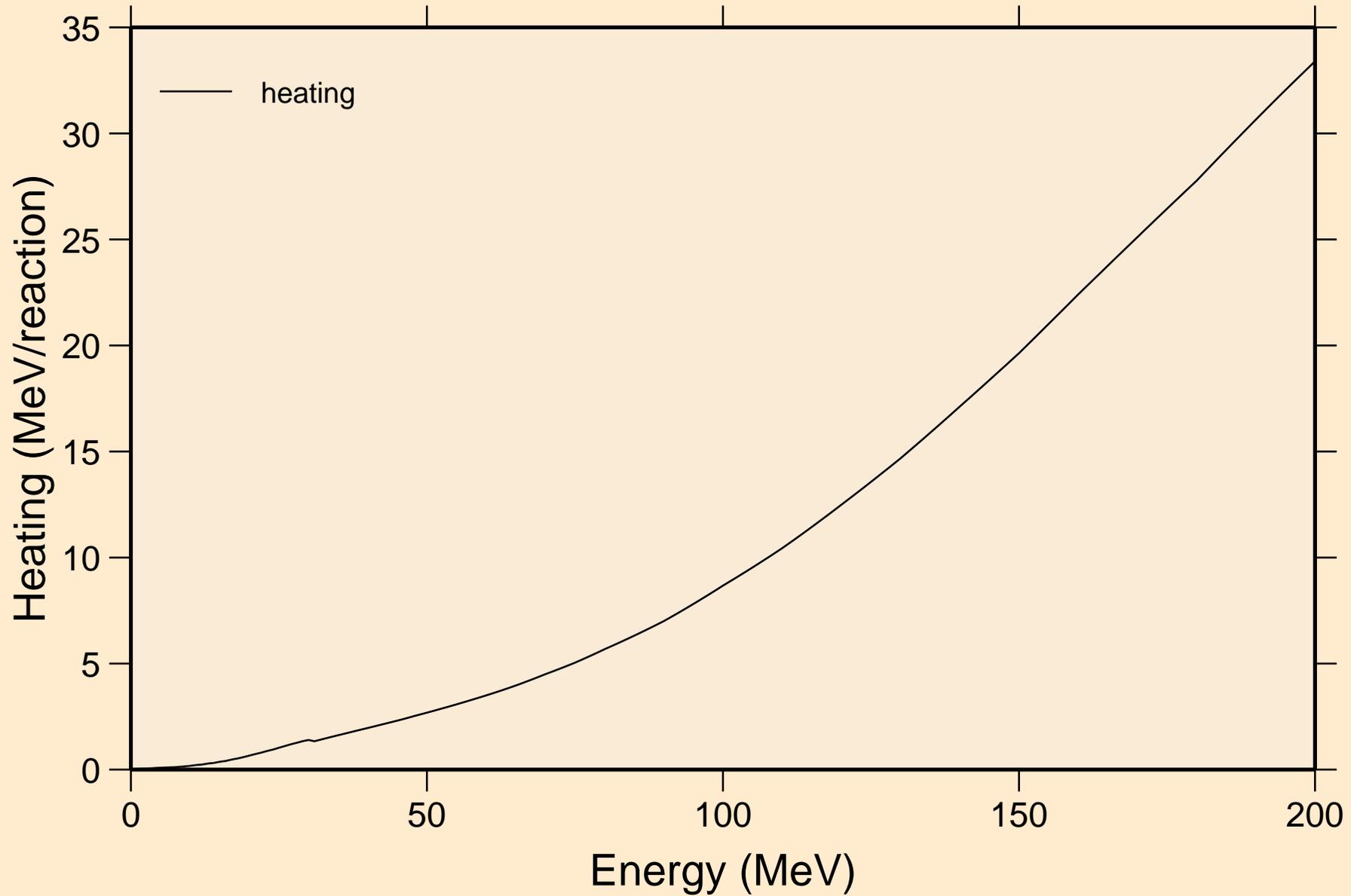


FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Principal cross sections

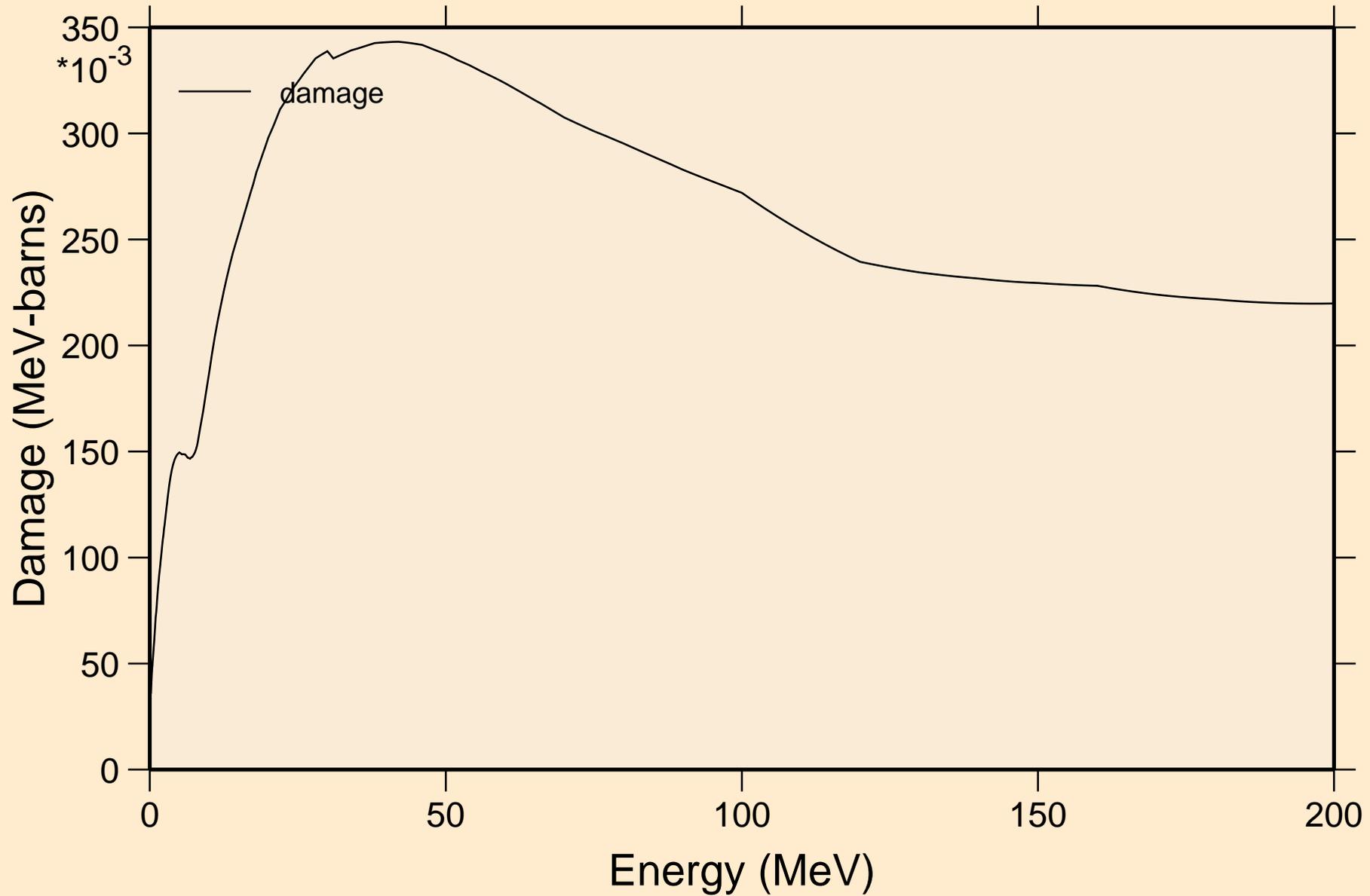


FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

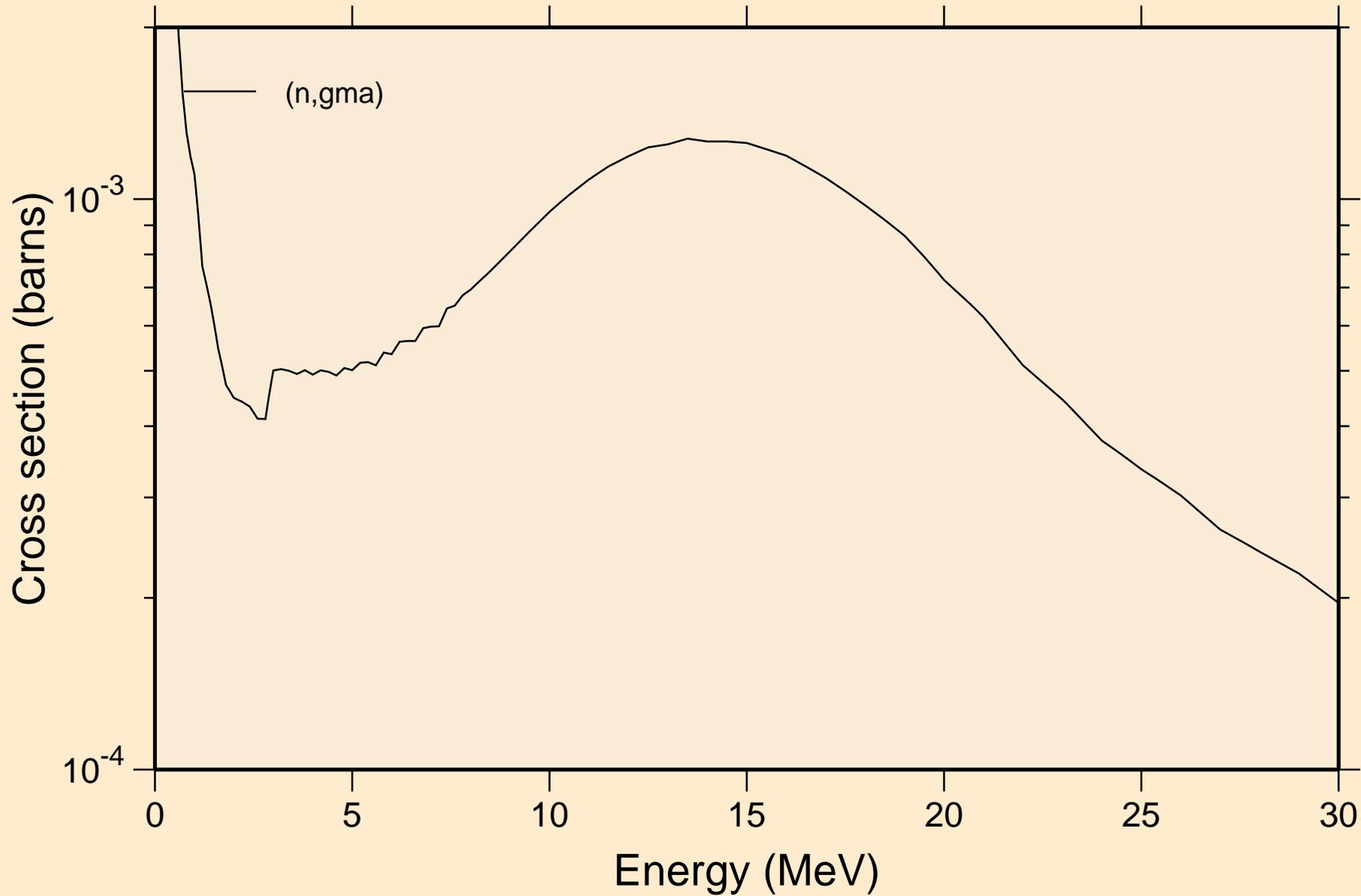
Heating



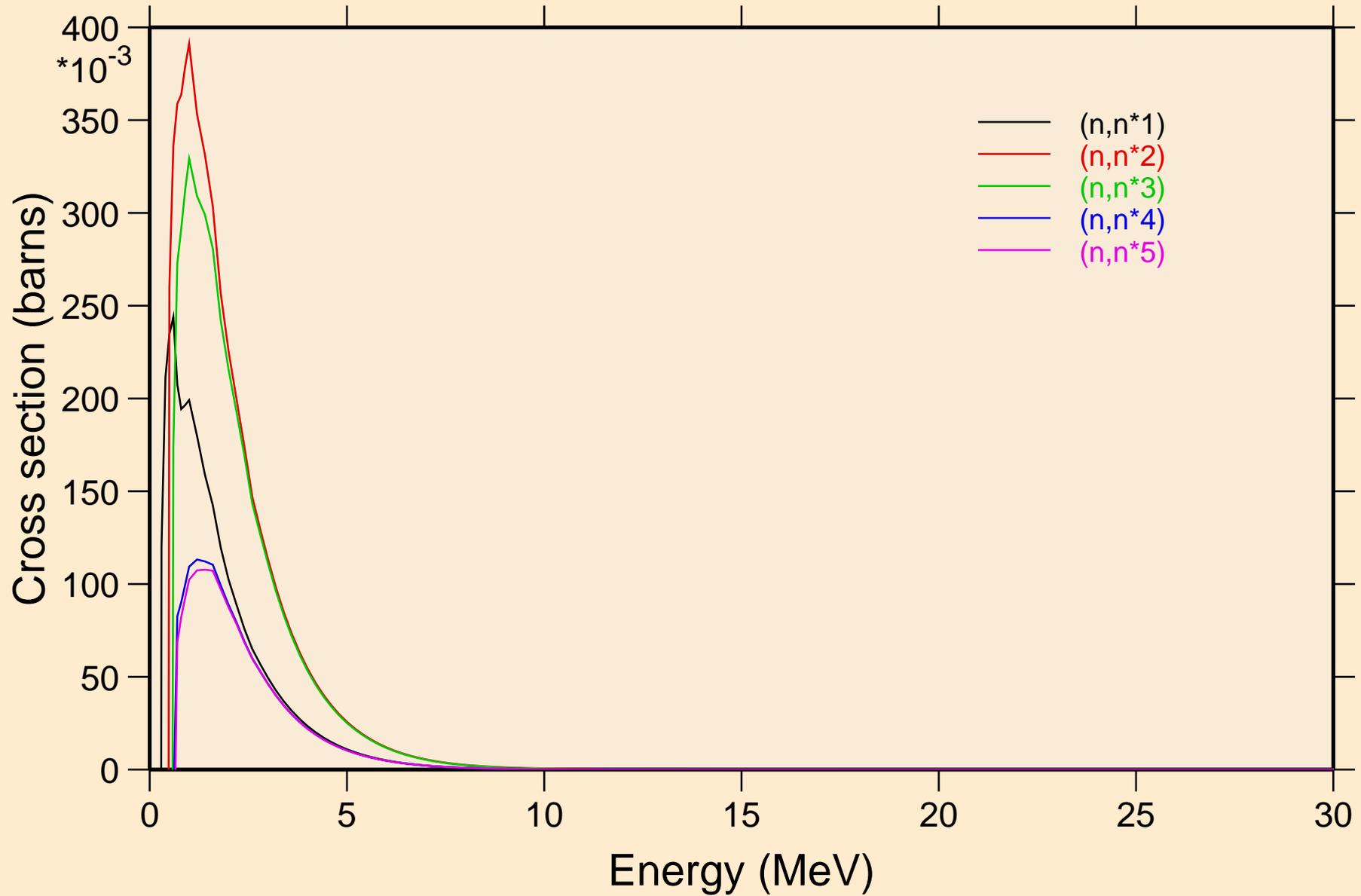
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Damage



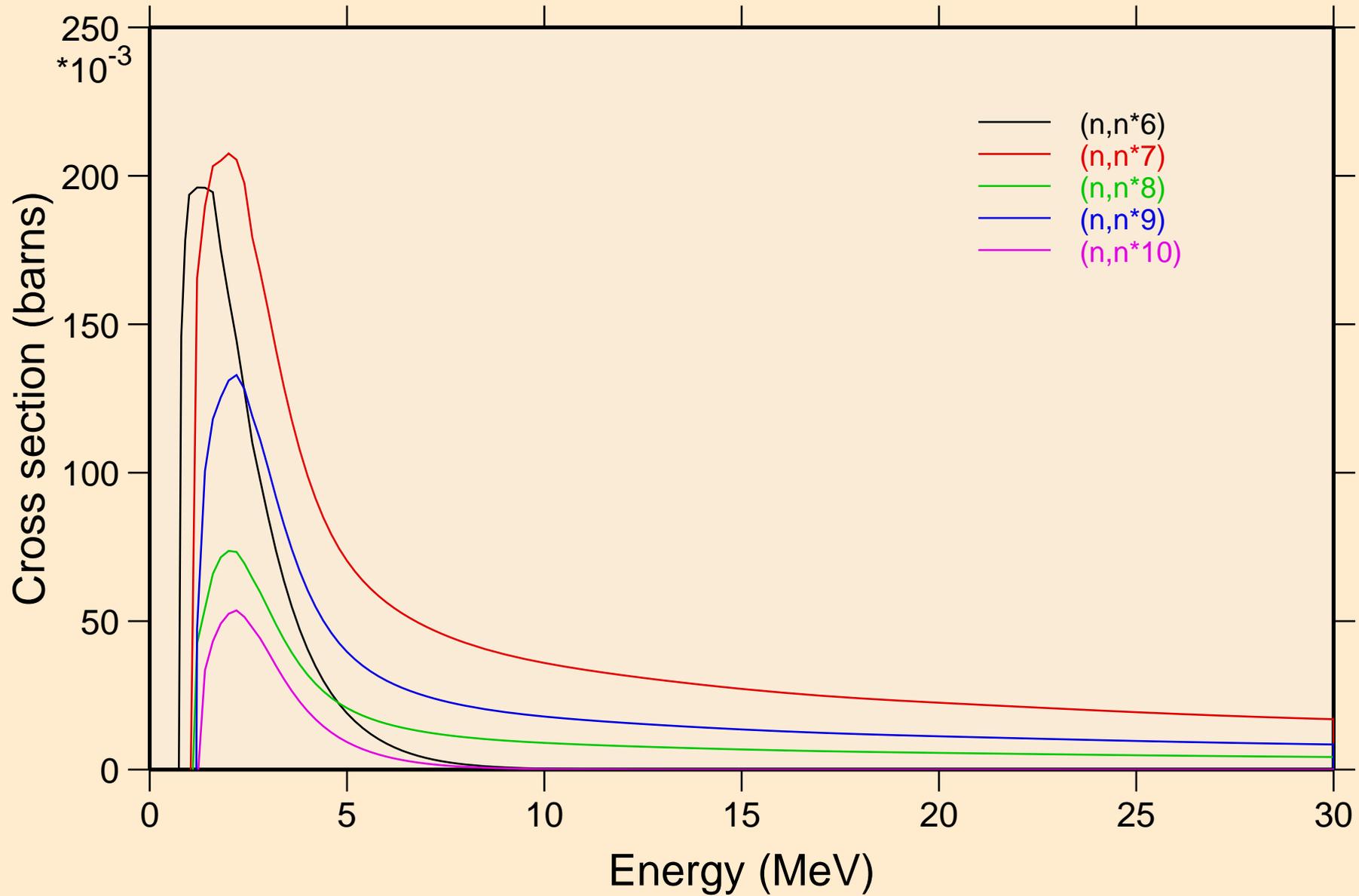
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions



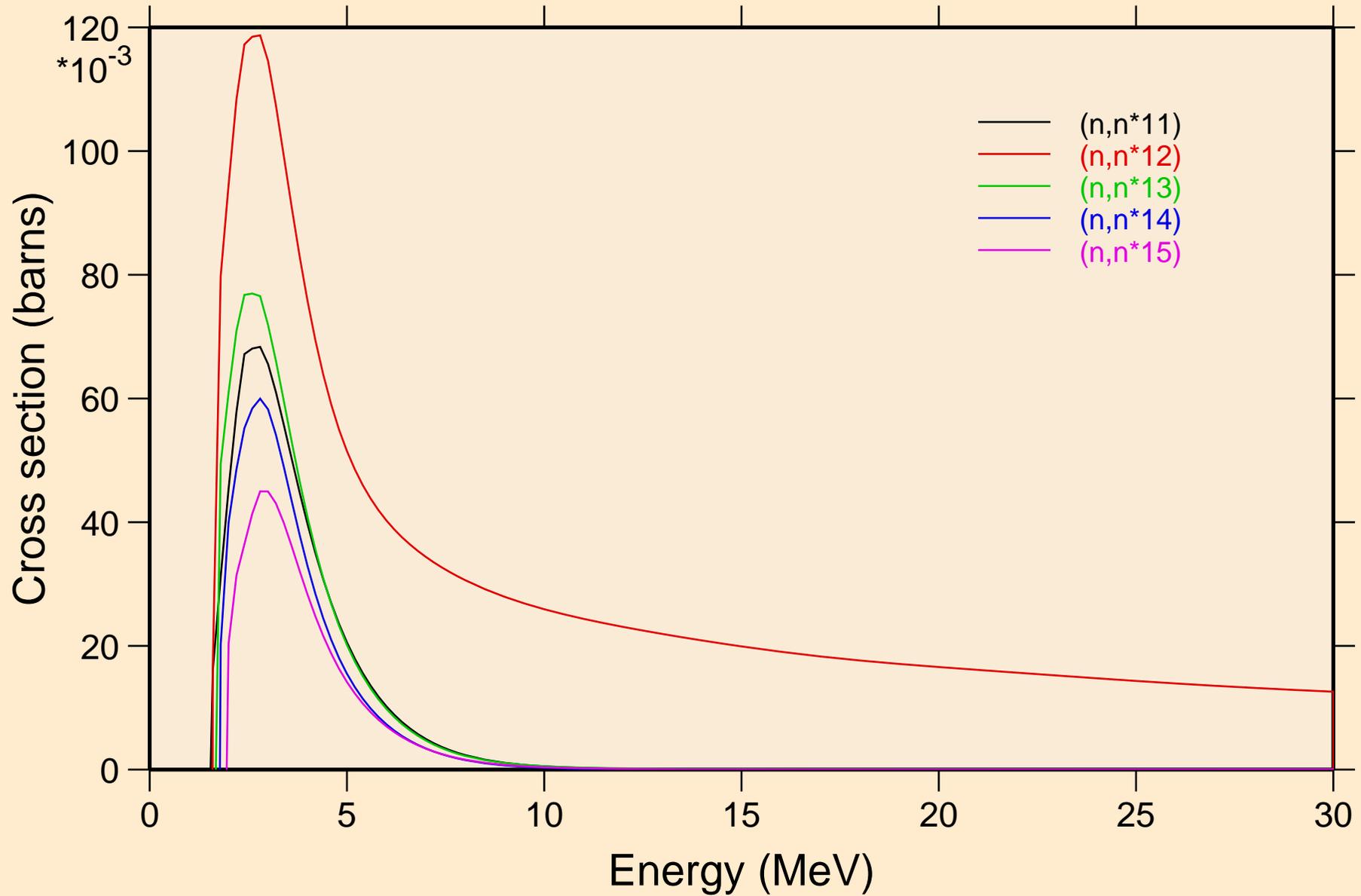
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



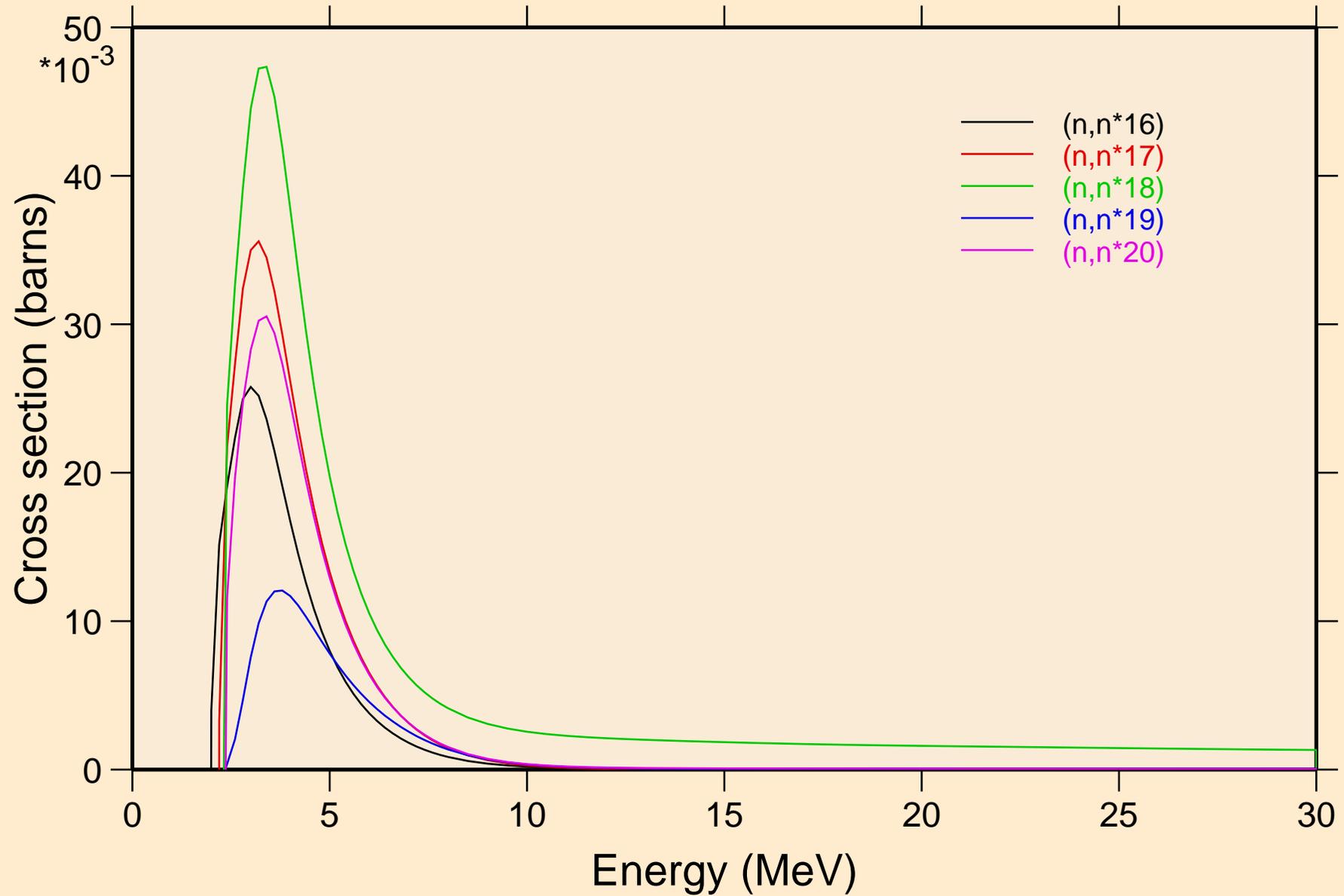
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



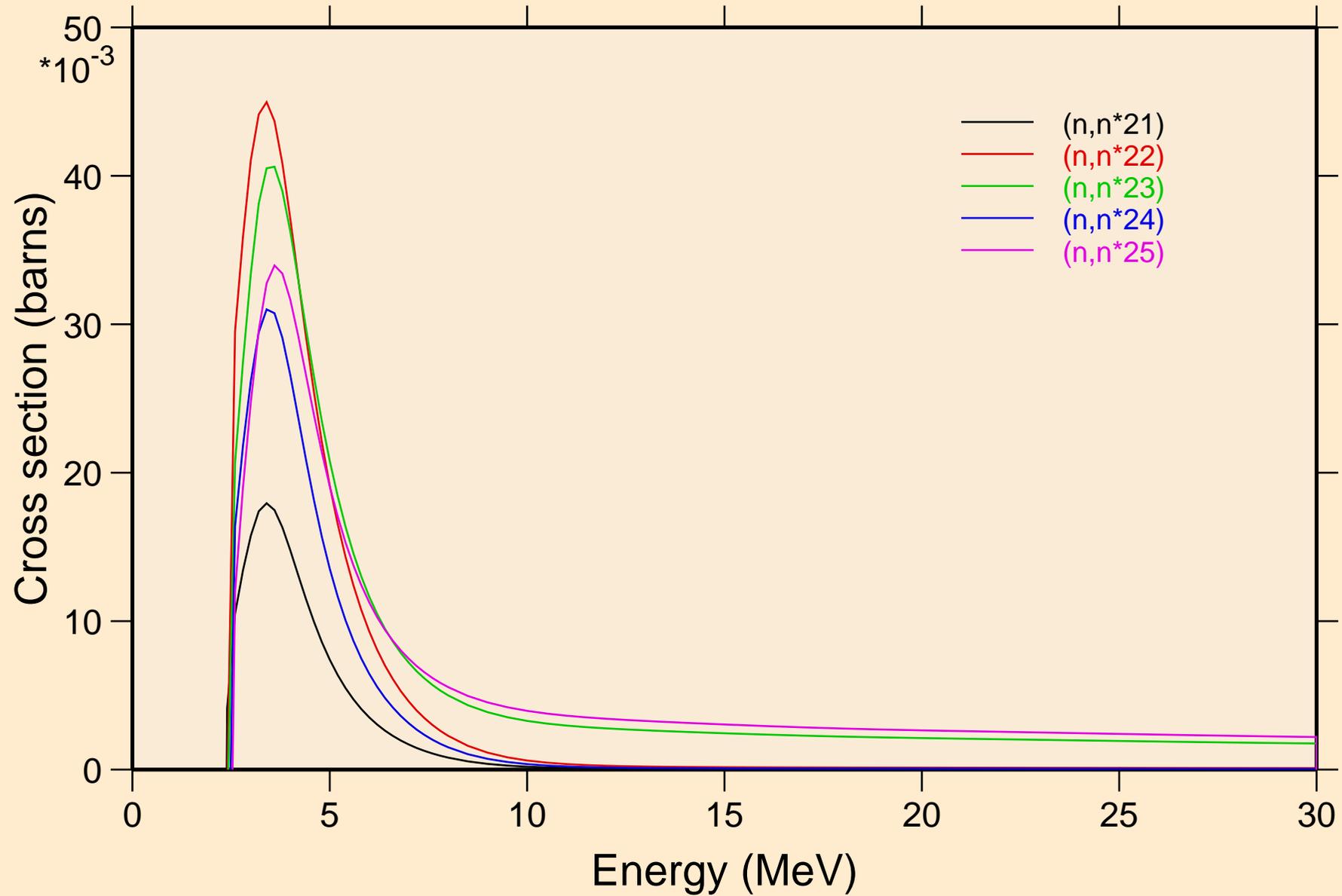
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



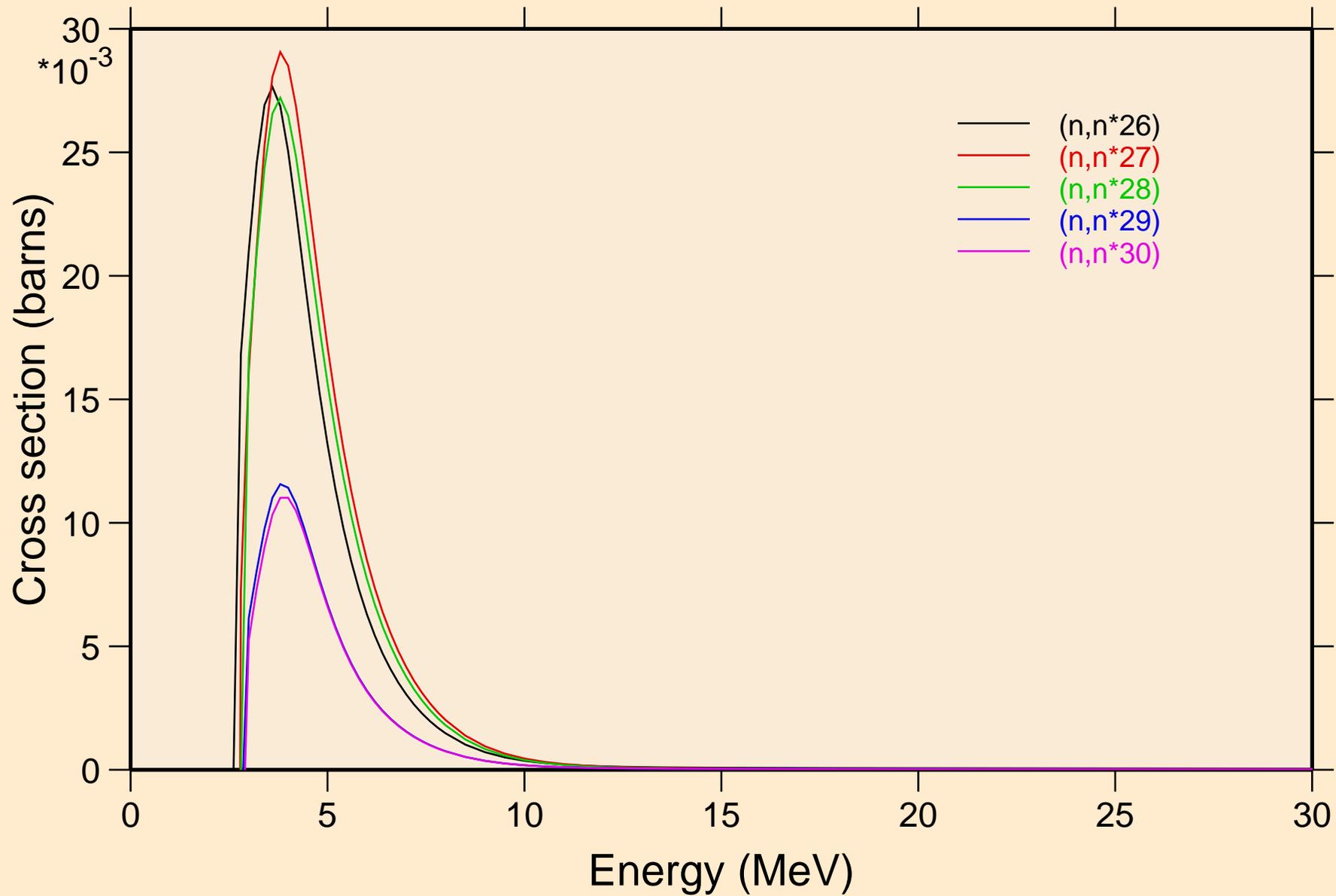
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



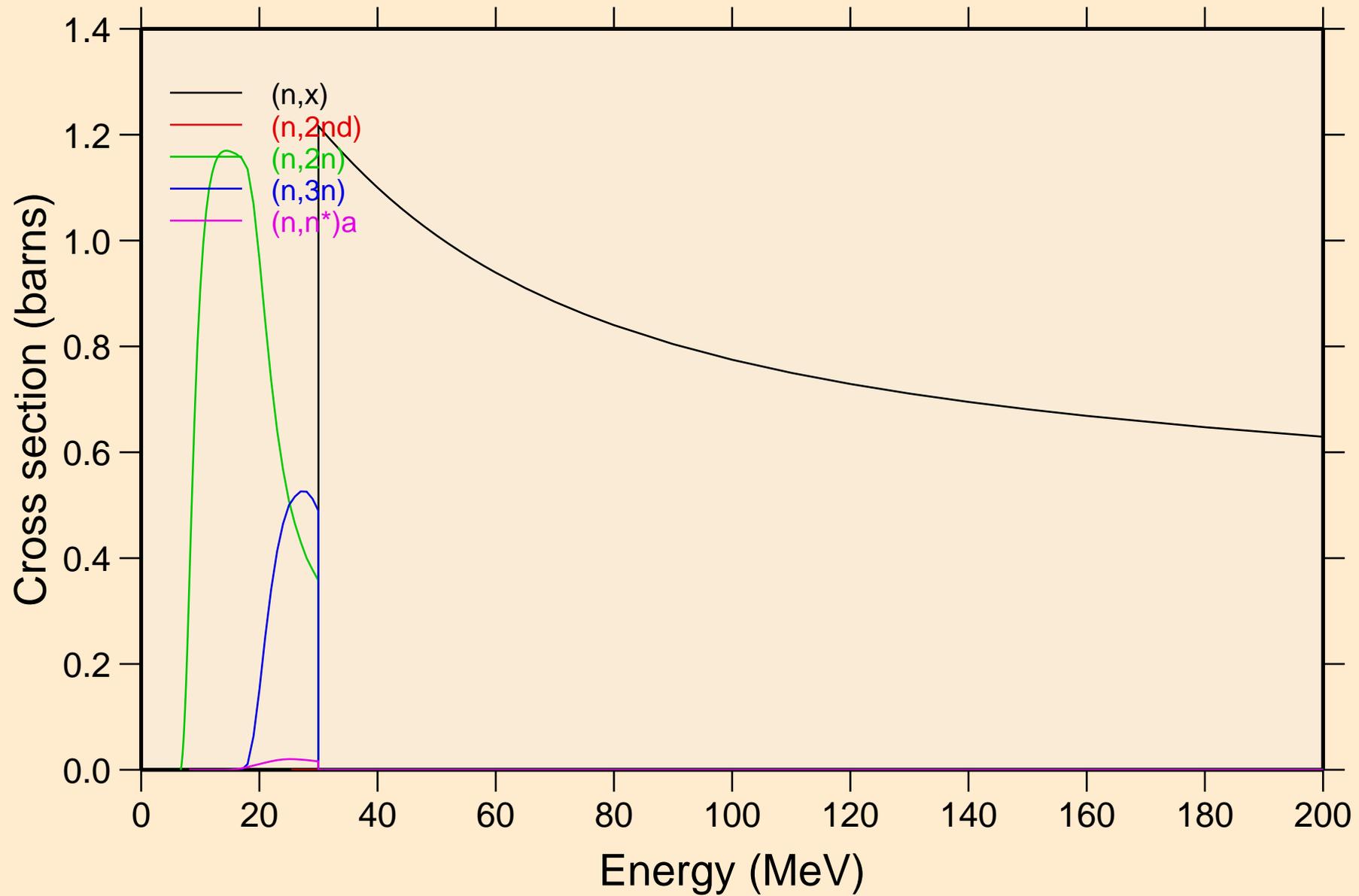
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels

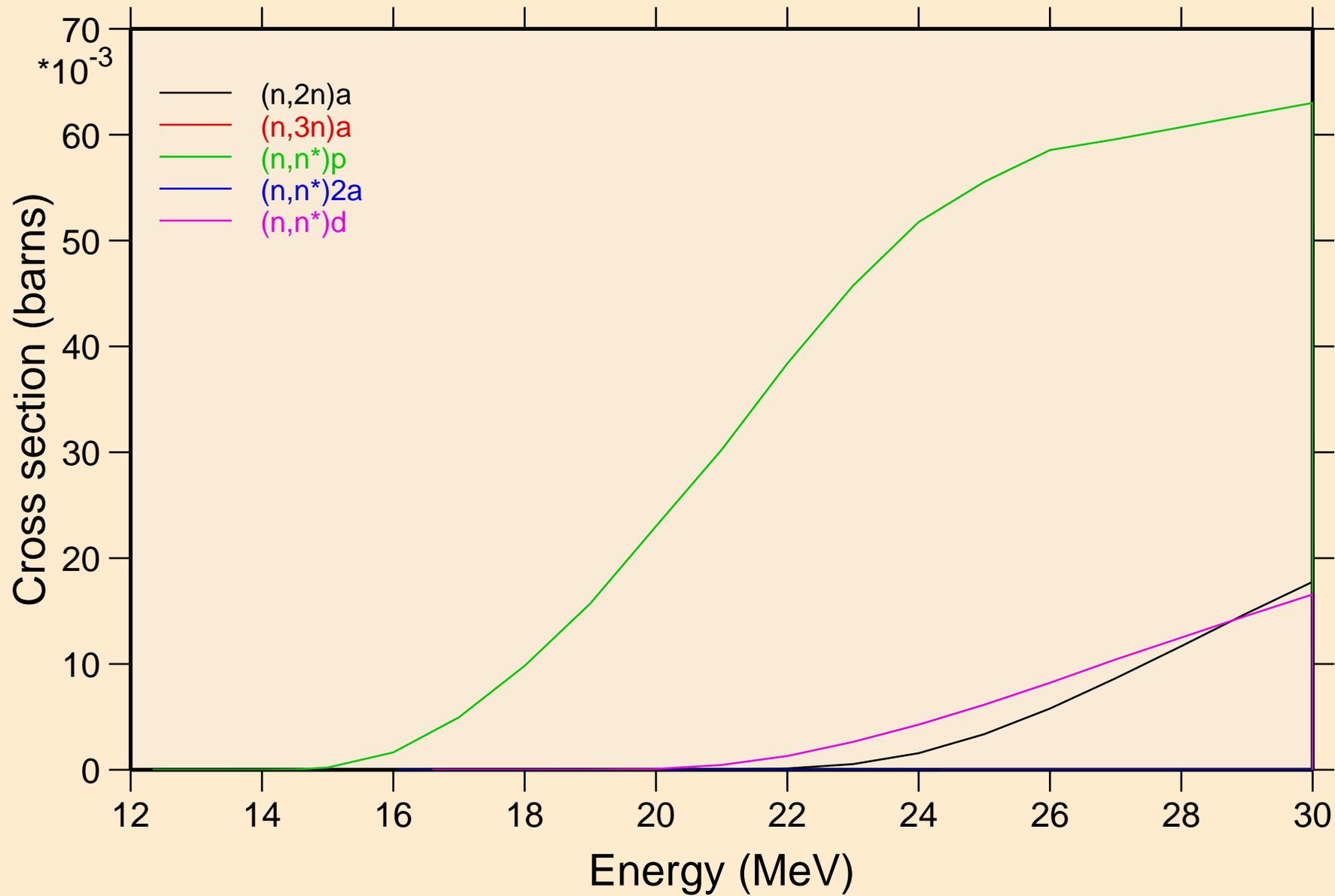


FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions

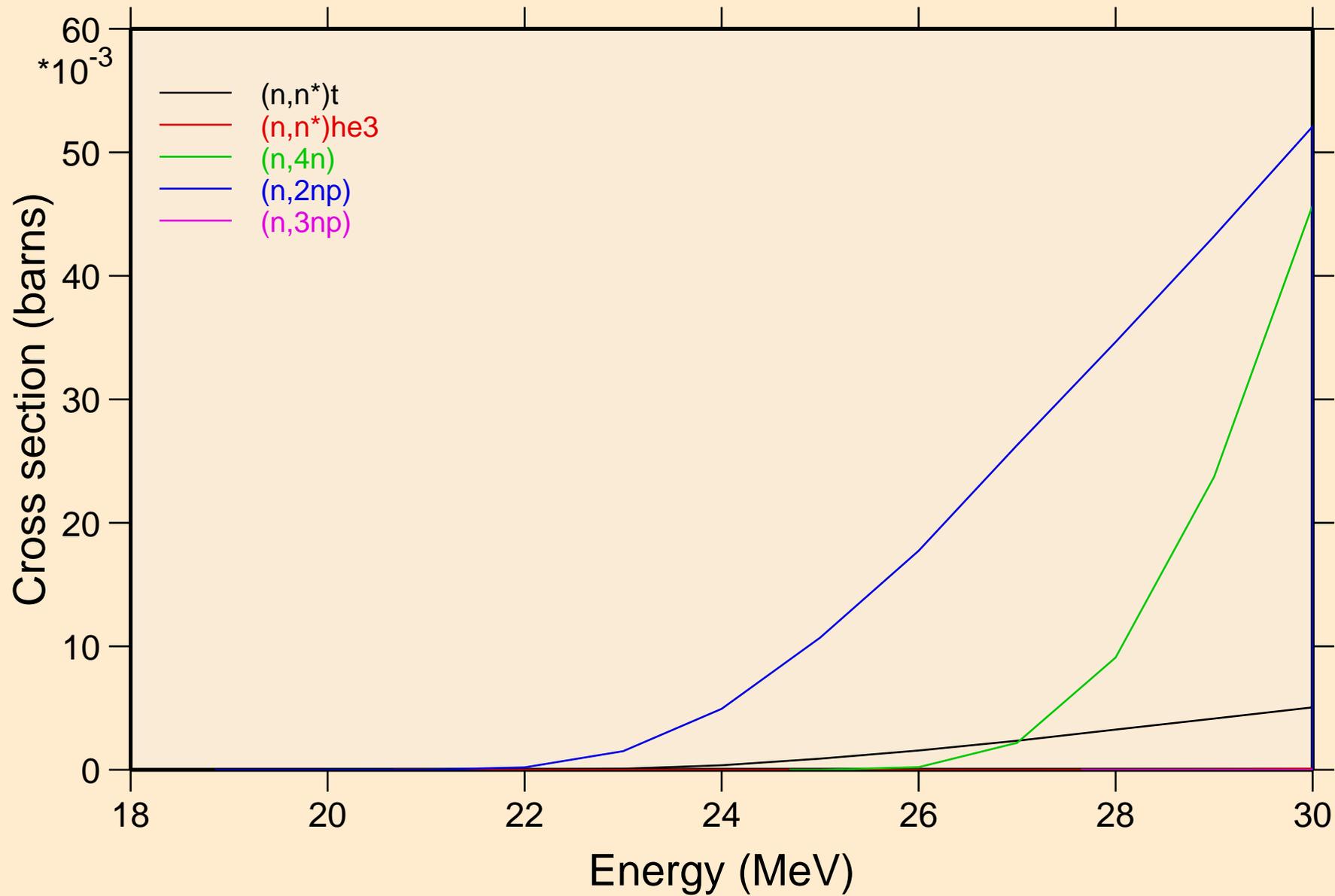


# FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

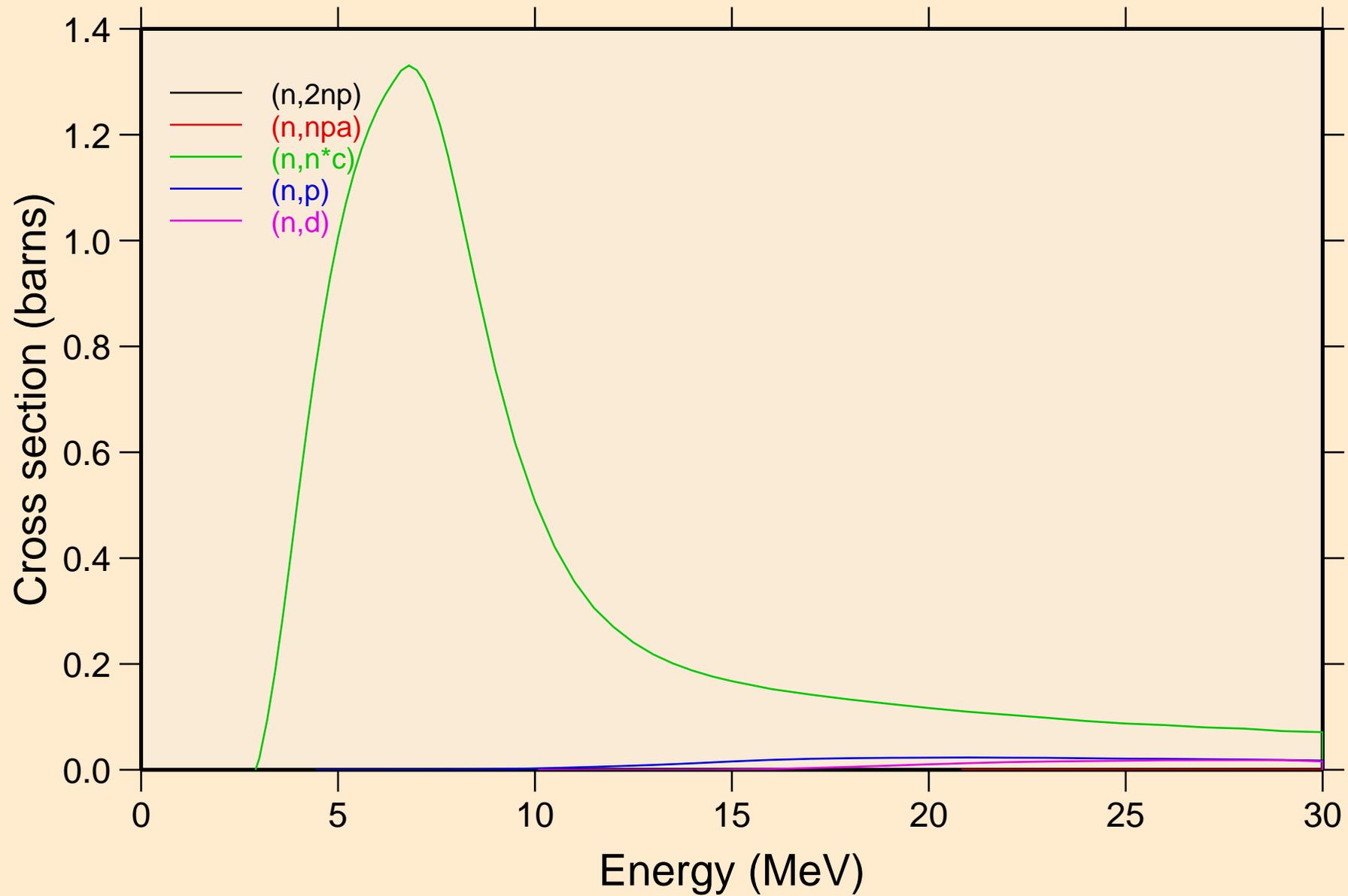
## Threshold reactions



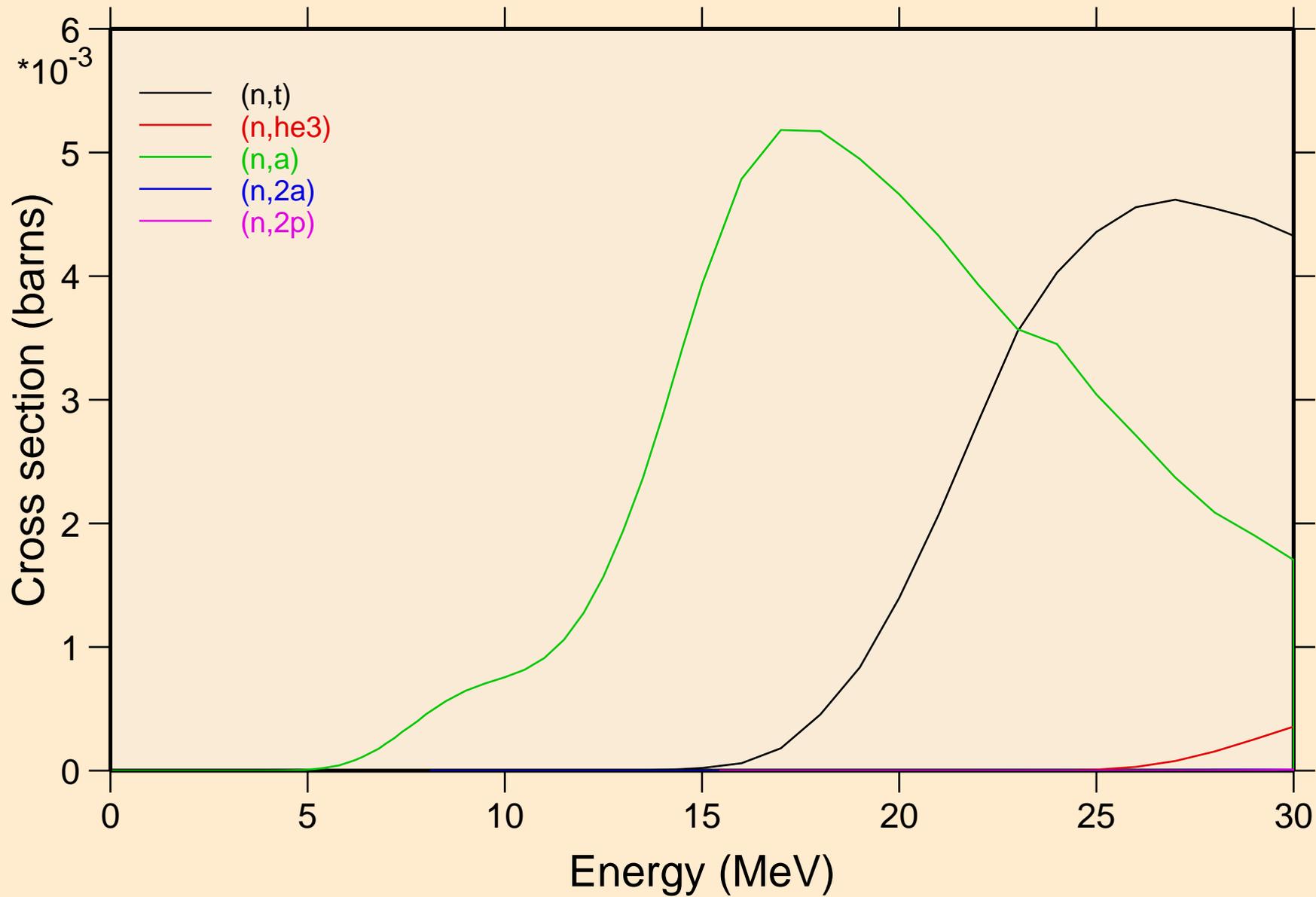
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions

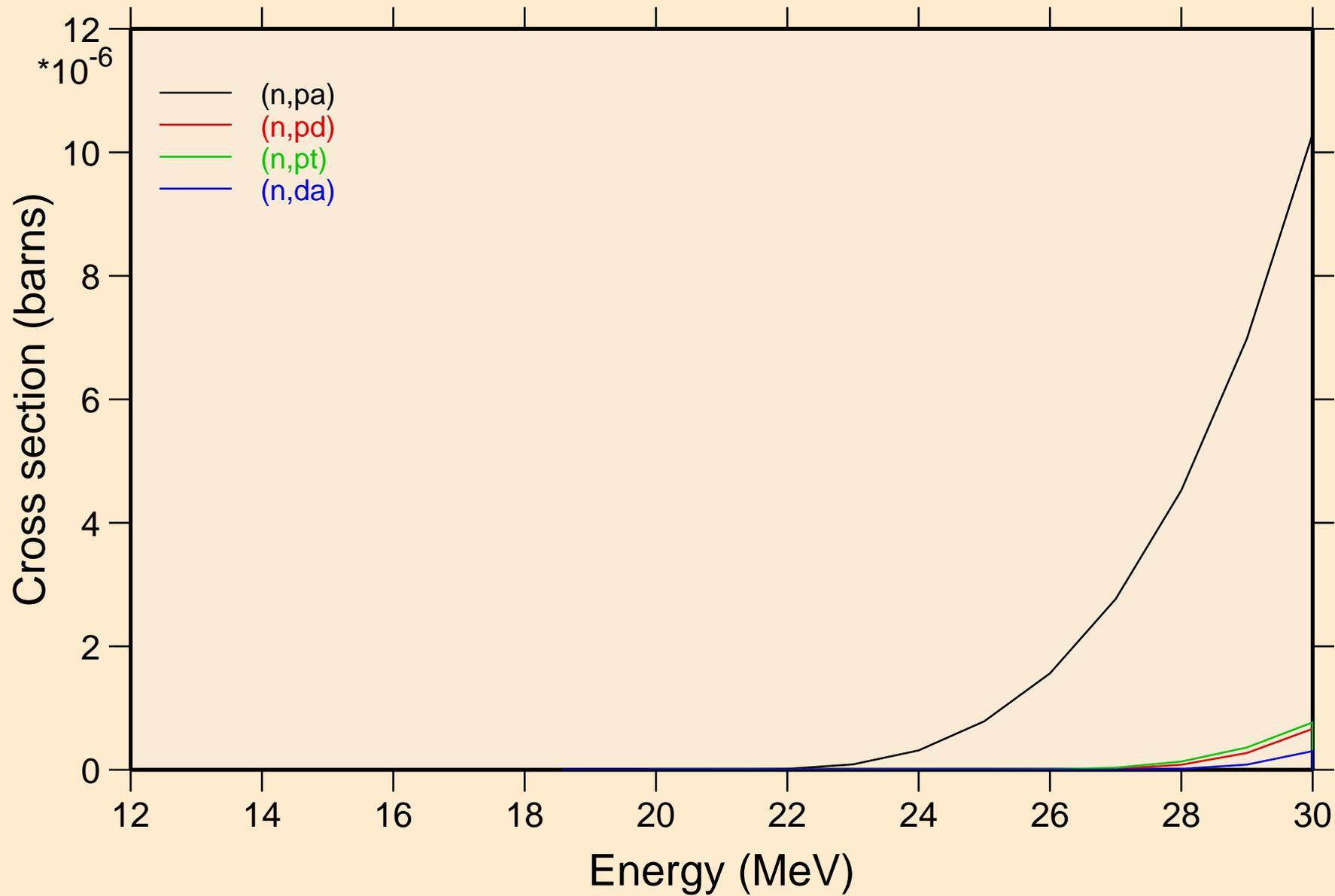


FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions

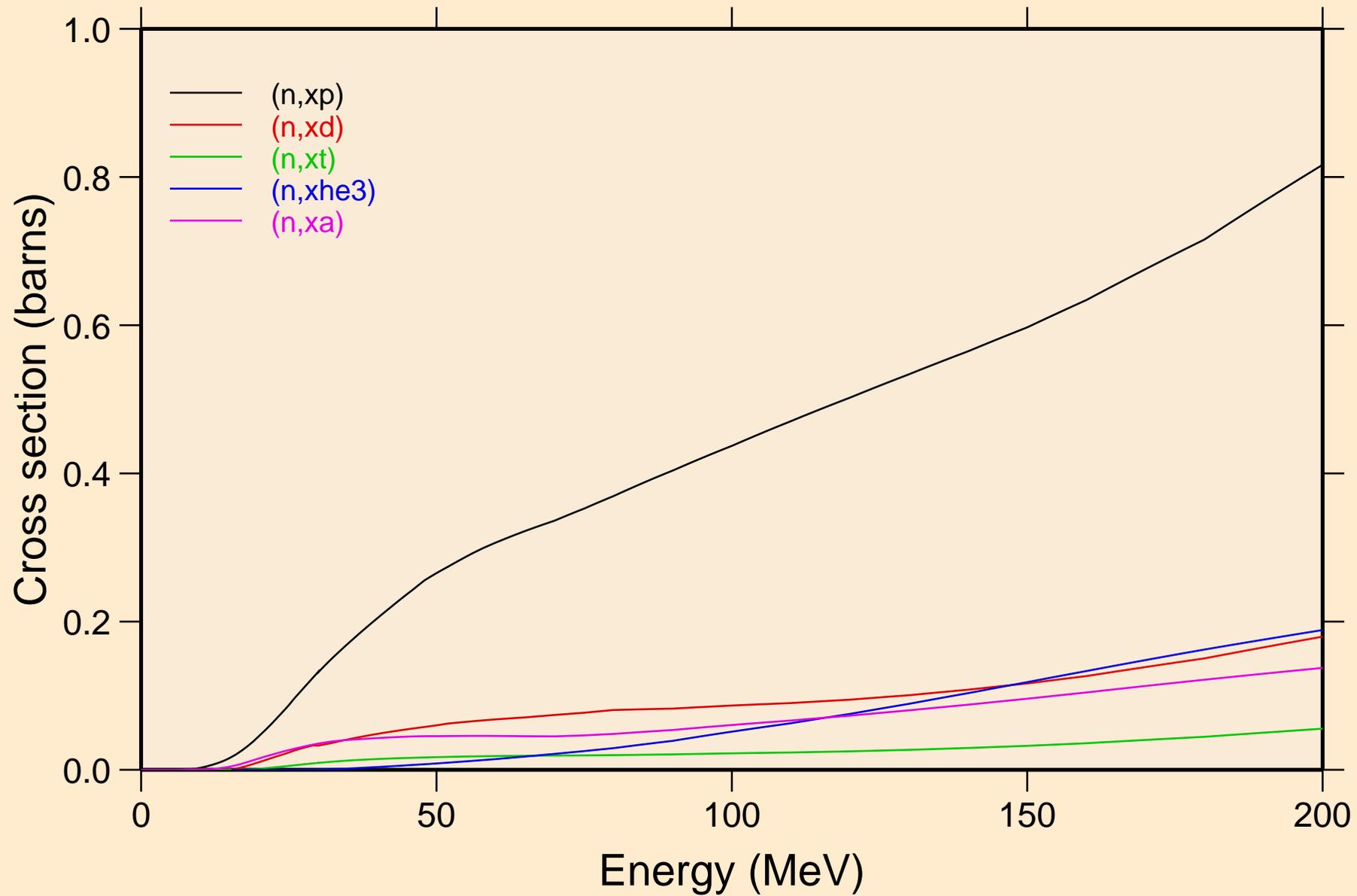


# FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

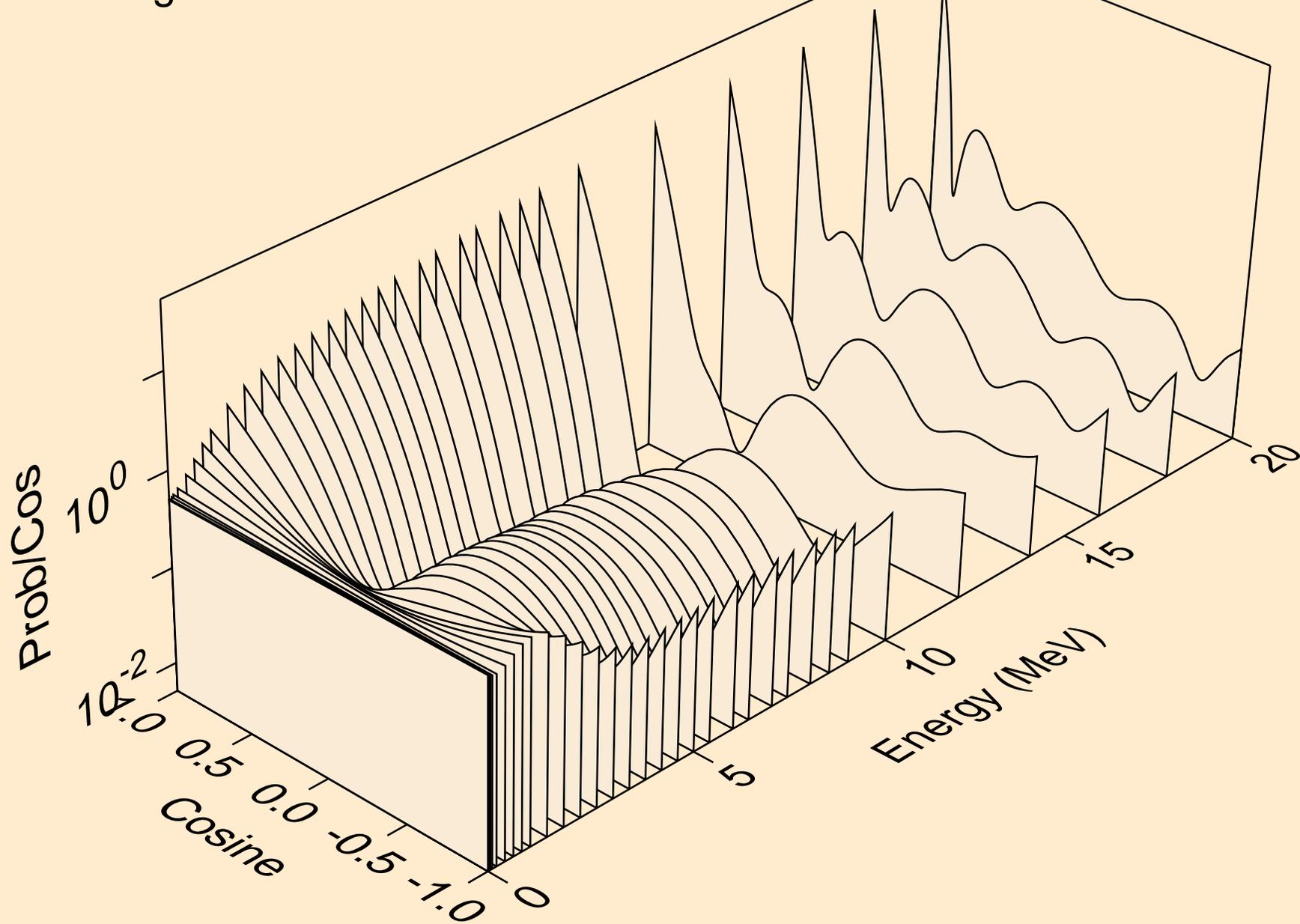
## Threshold reactions



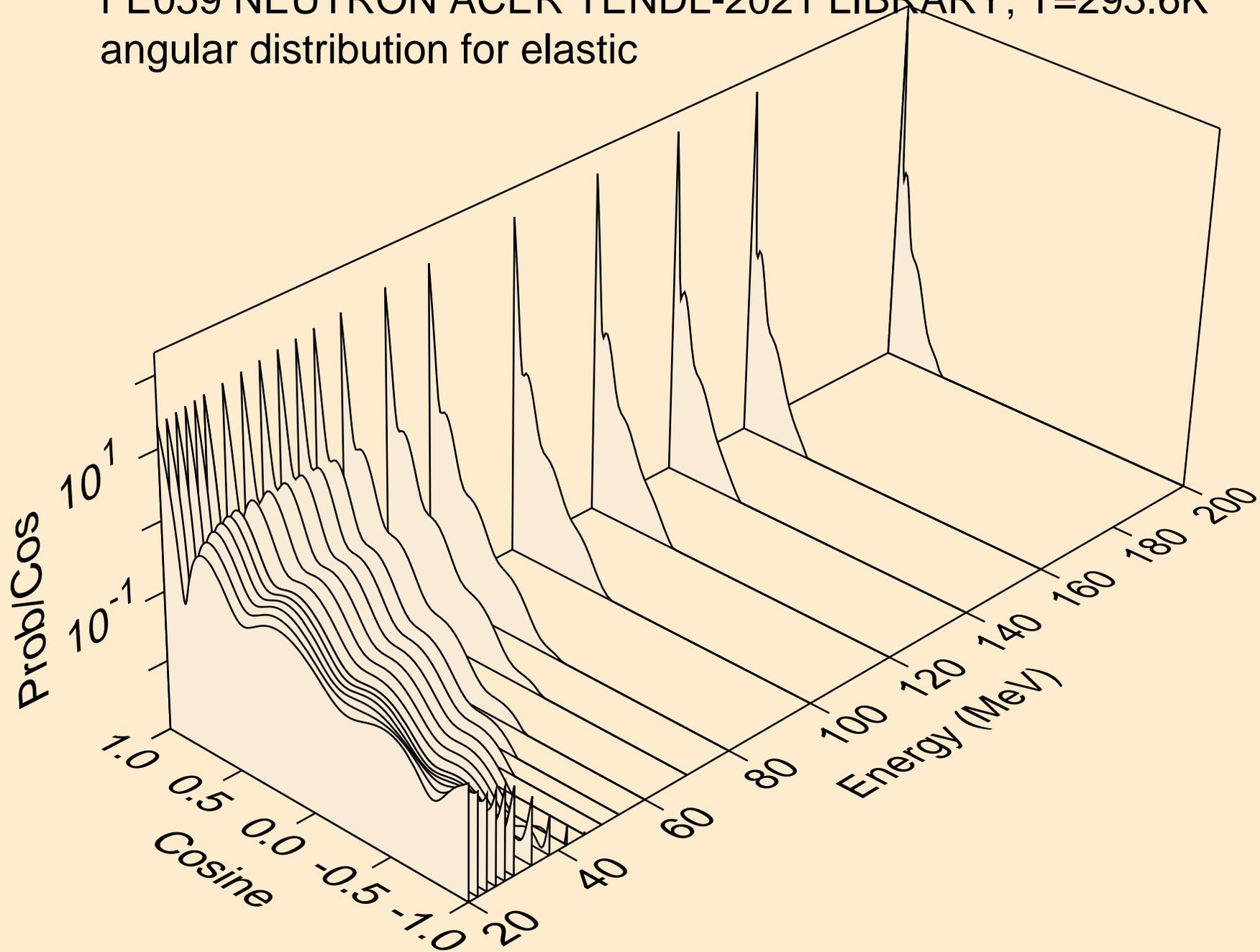
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



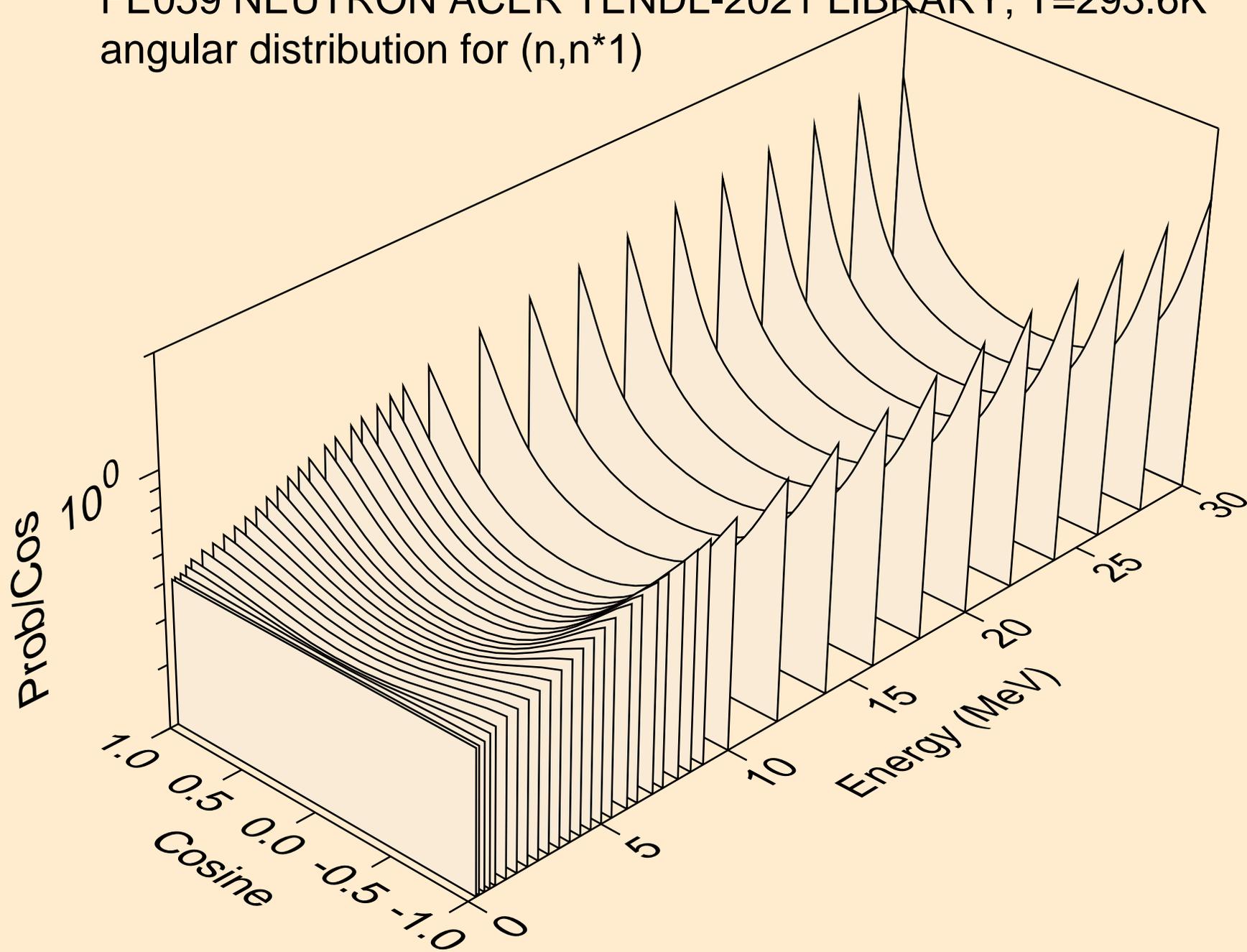
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for elastic



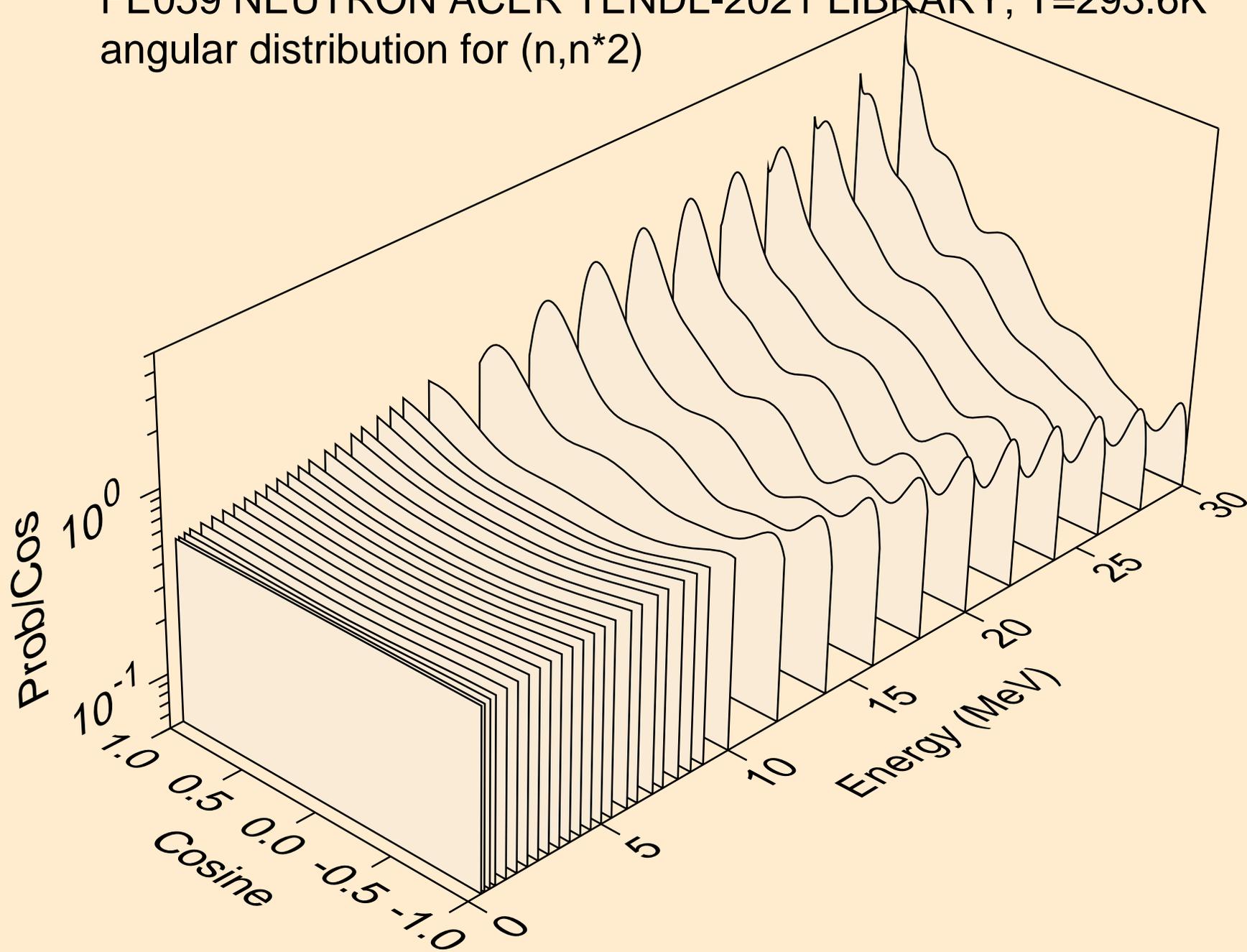
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for elastic



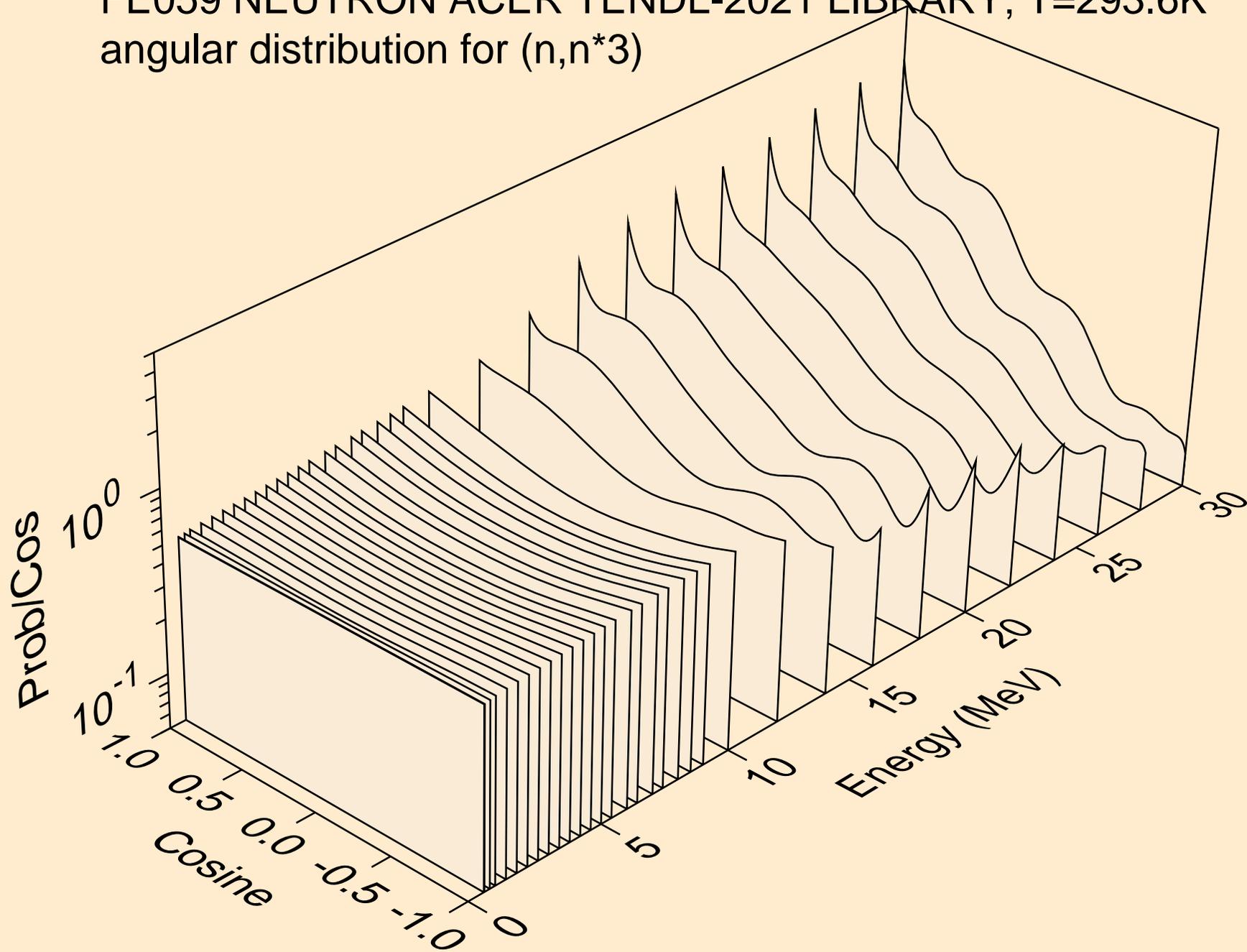
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*1)



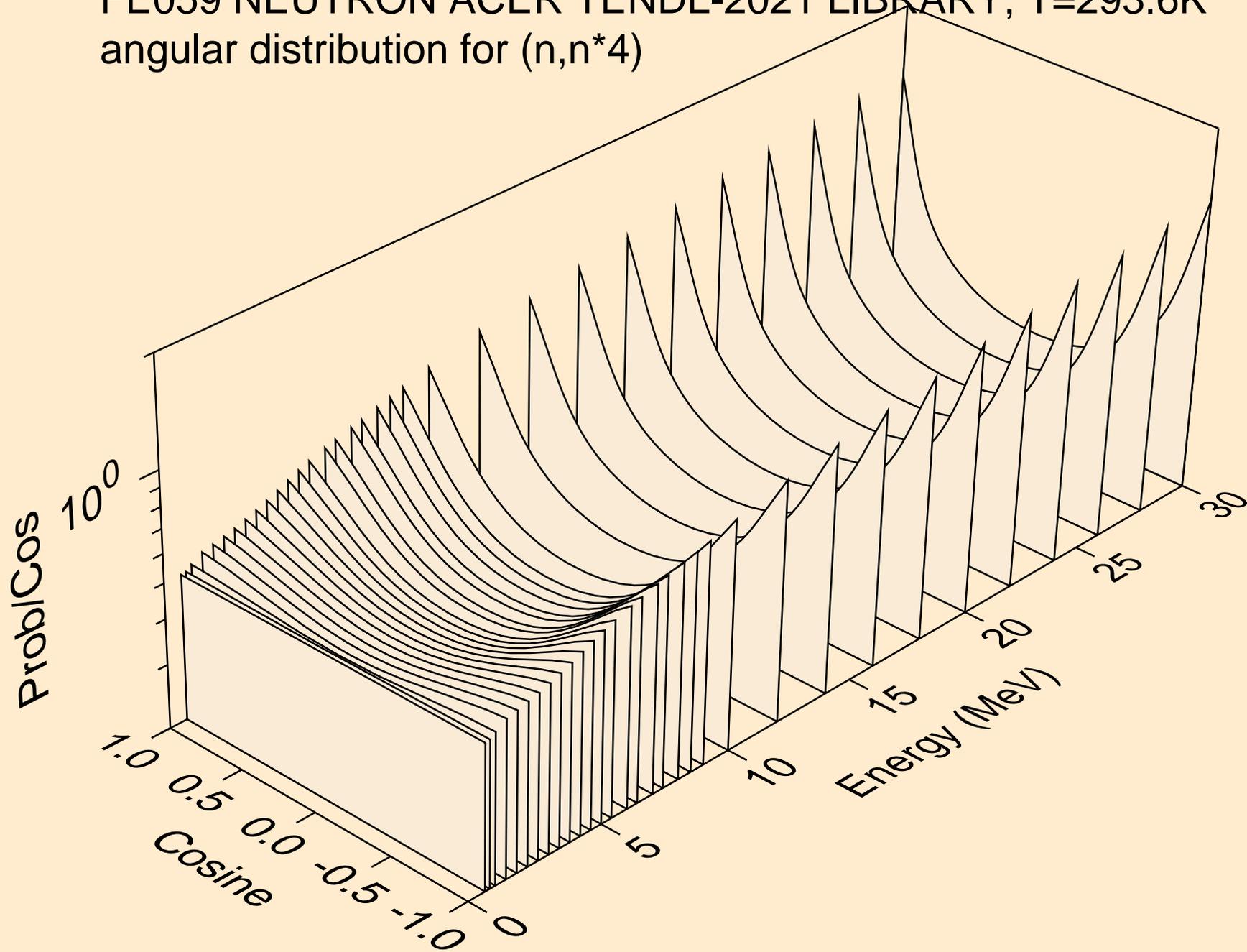
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*2)



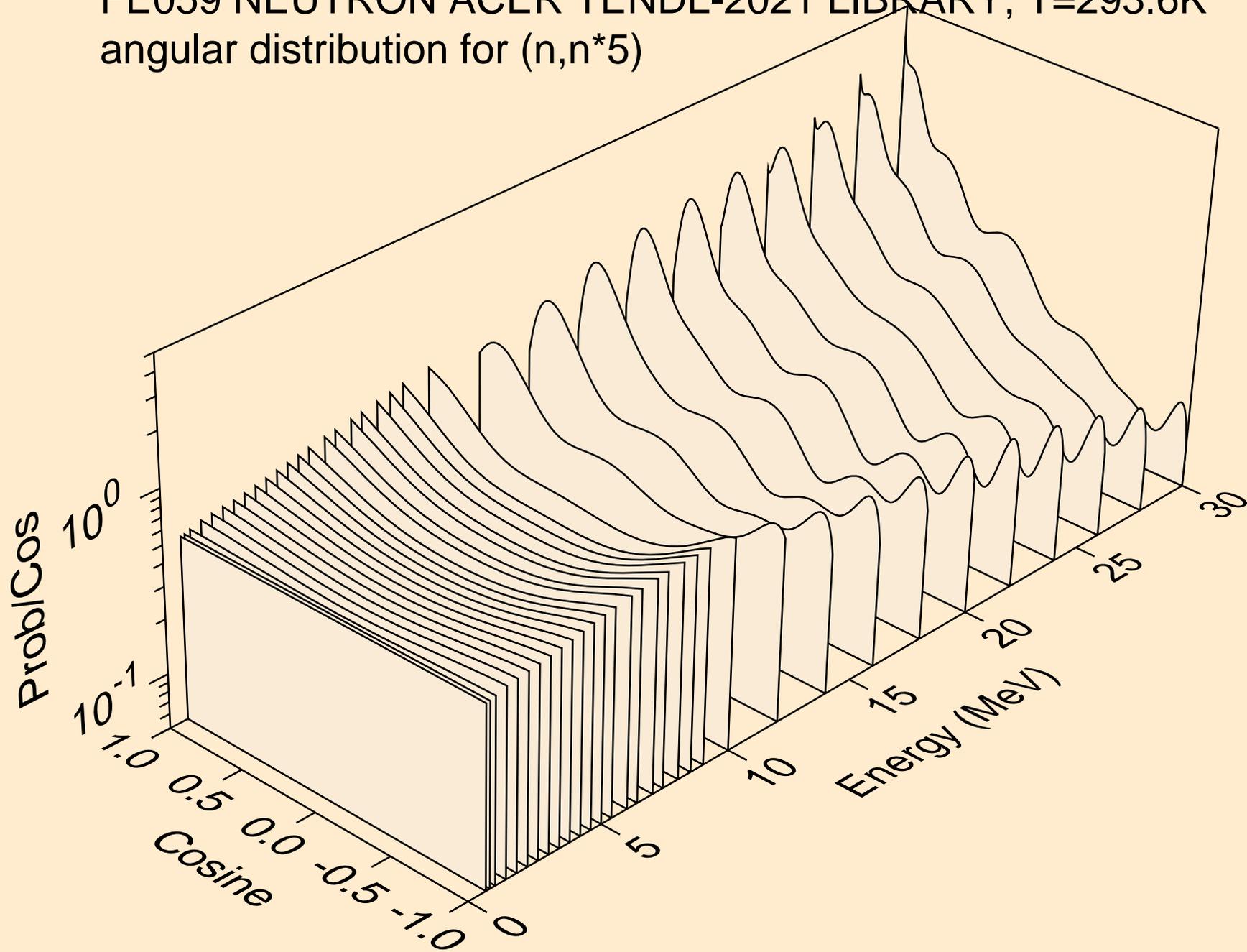
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*3)



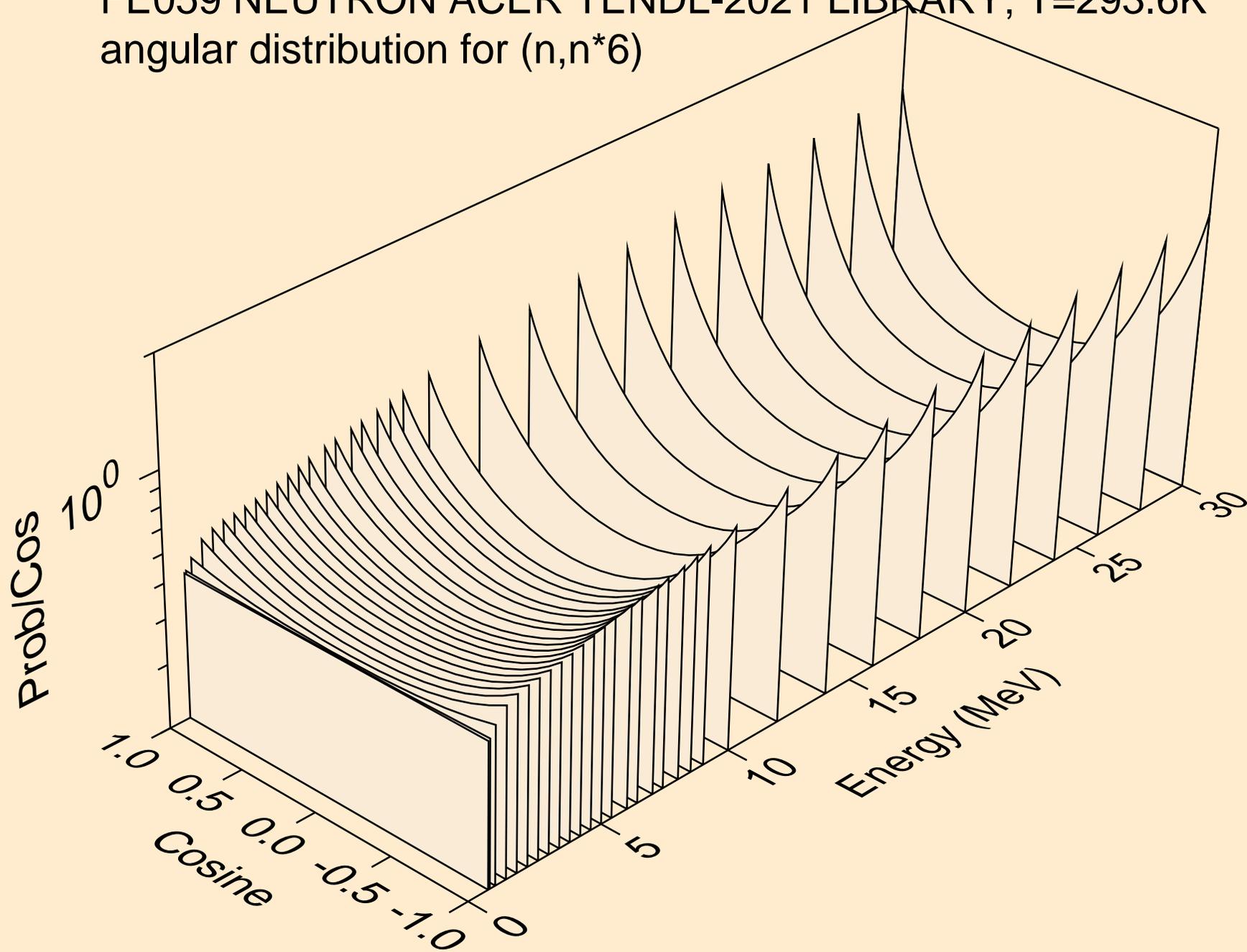
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*4)



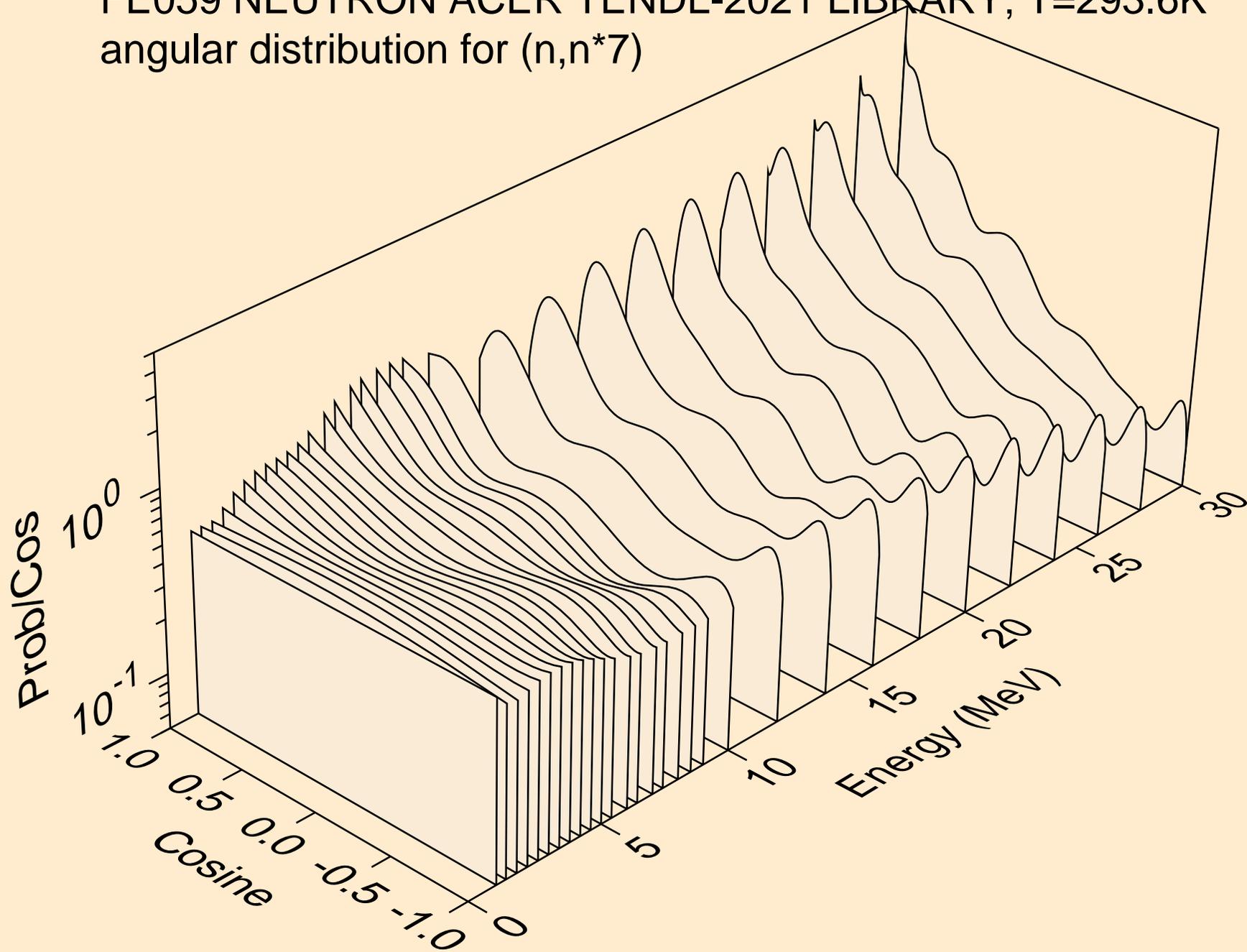
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*5)



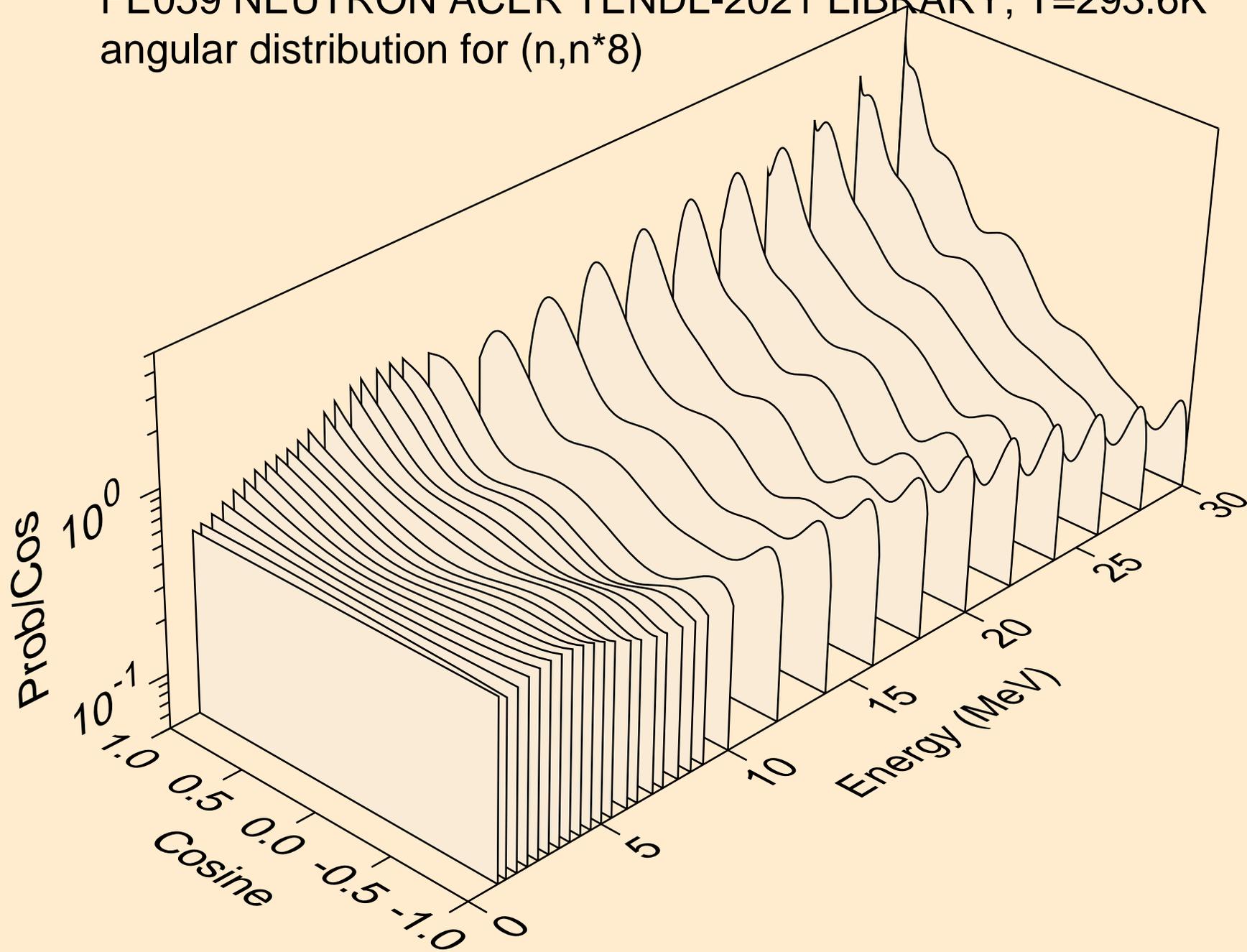
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*6)



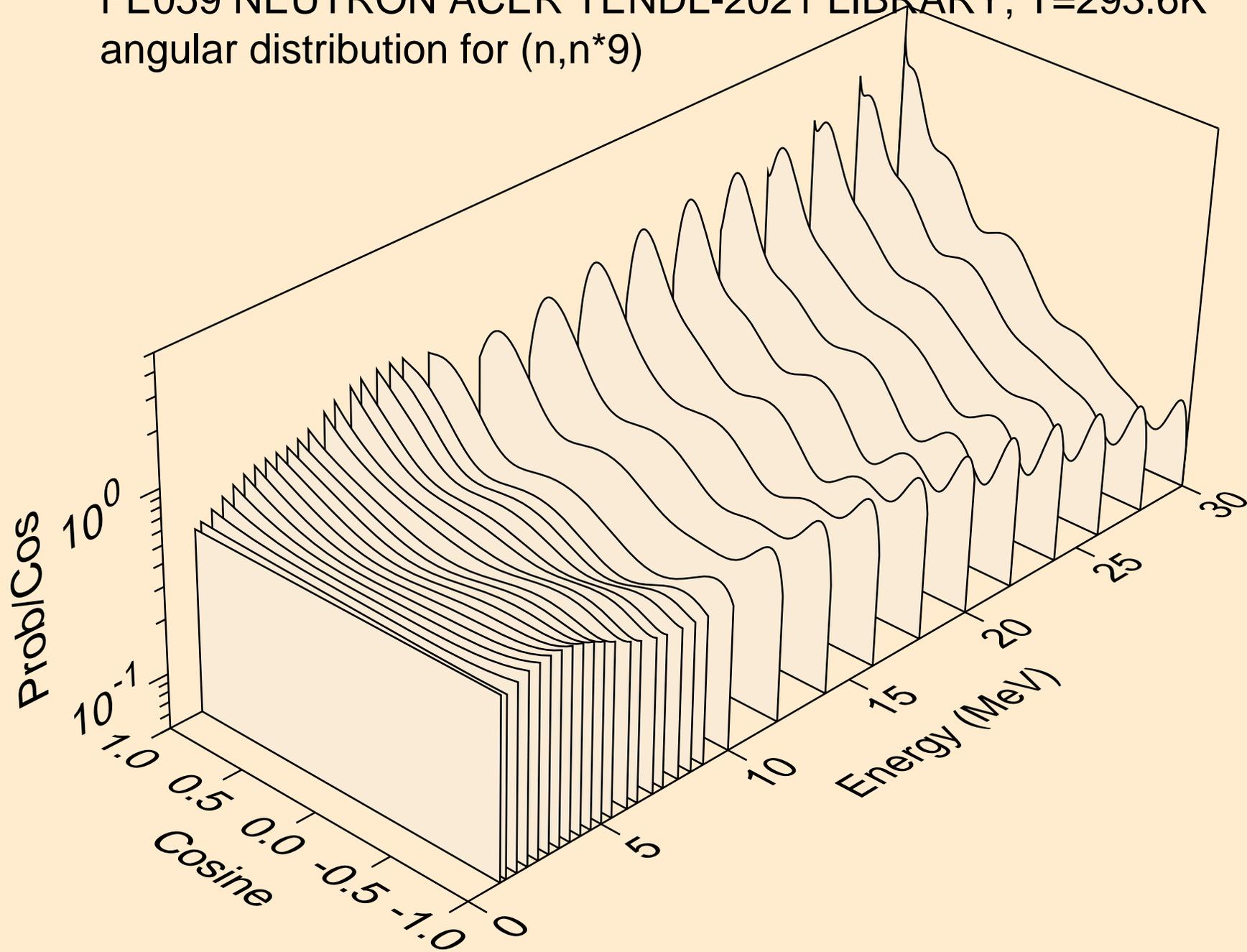
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*7)



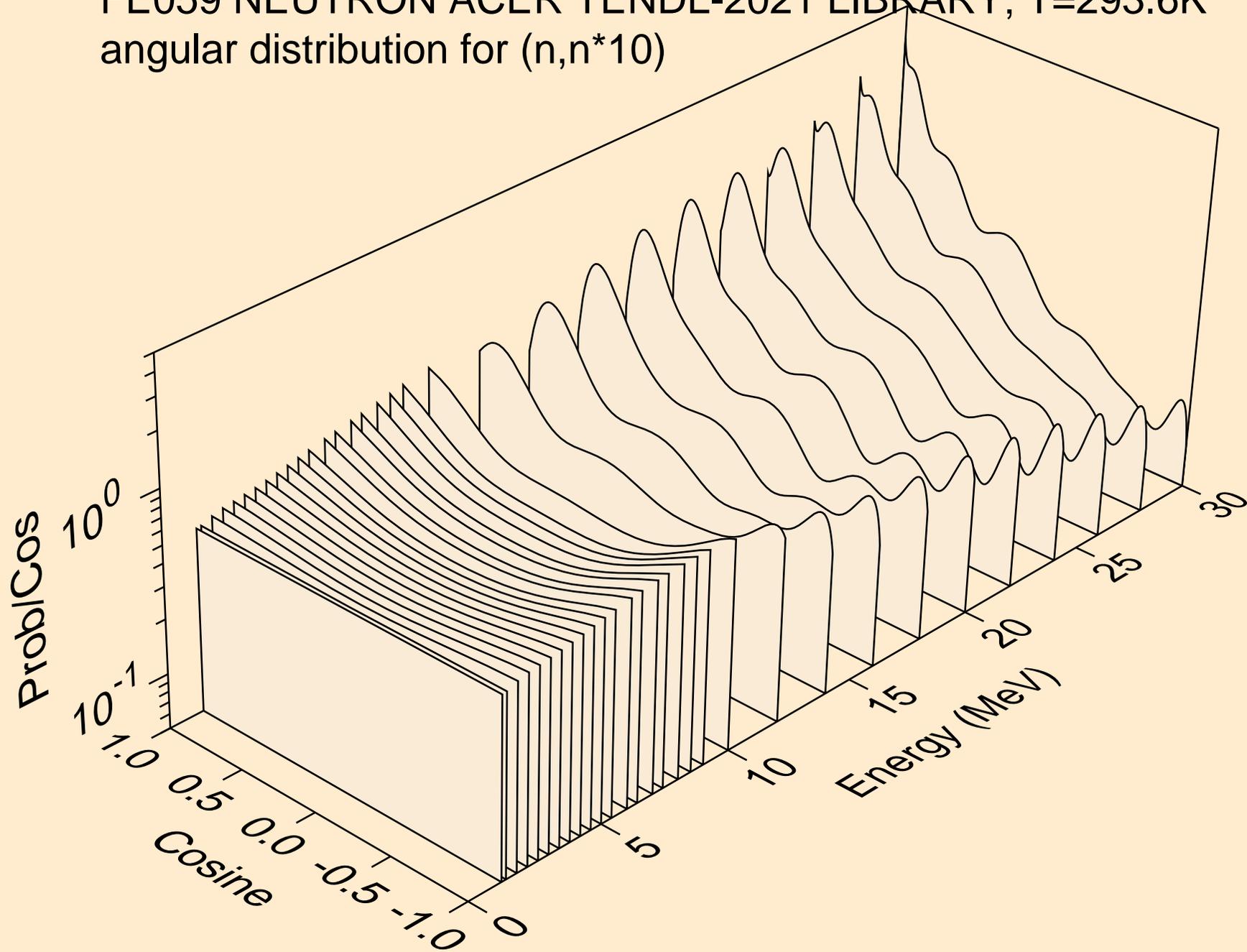
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*8)



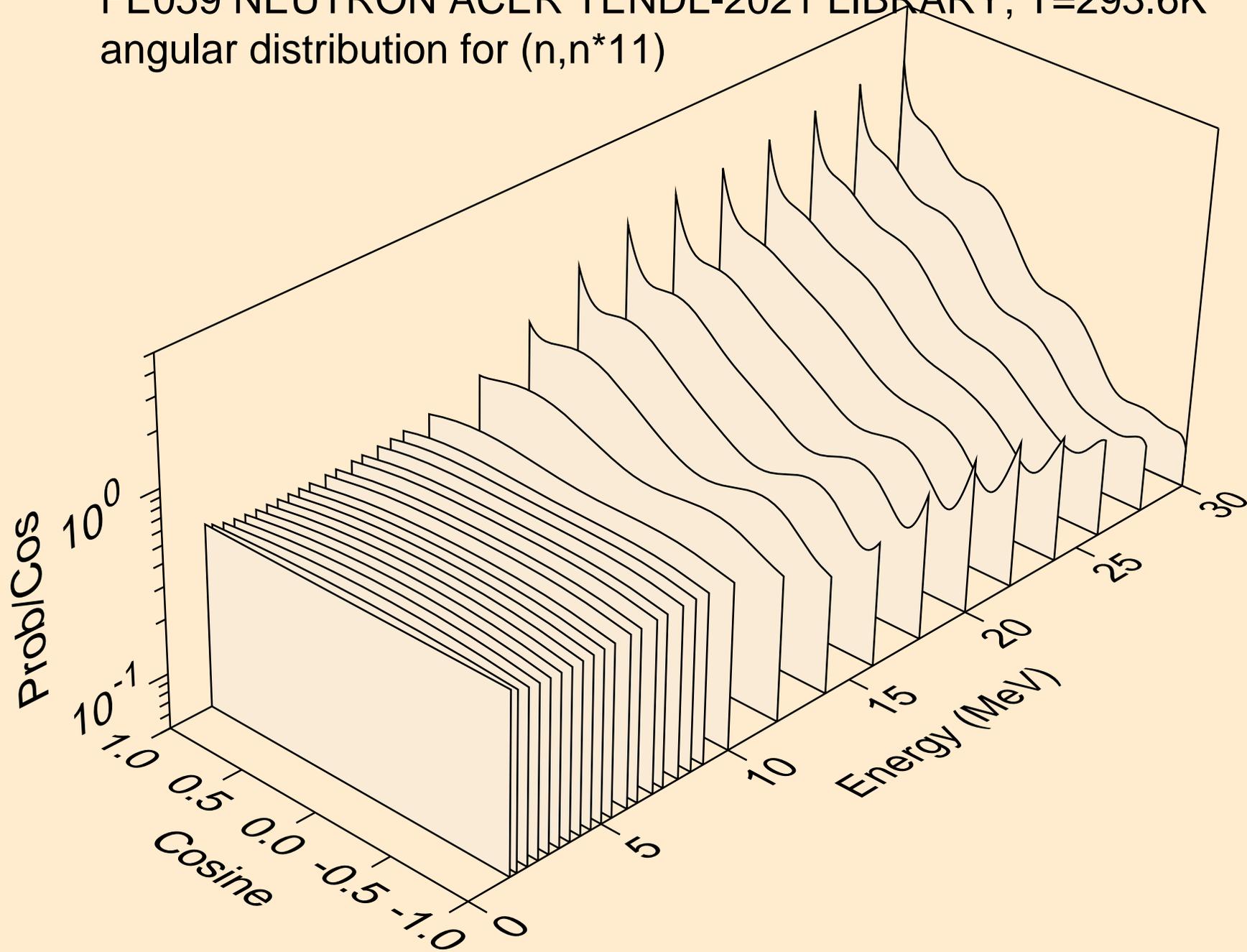
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*9)



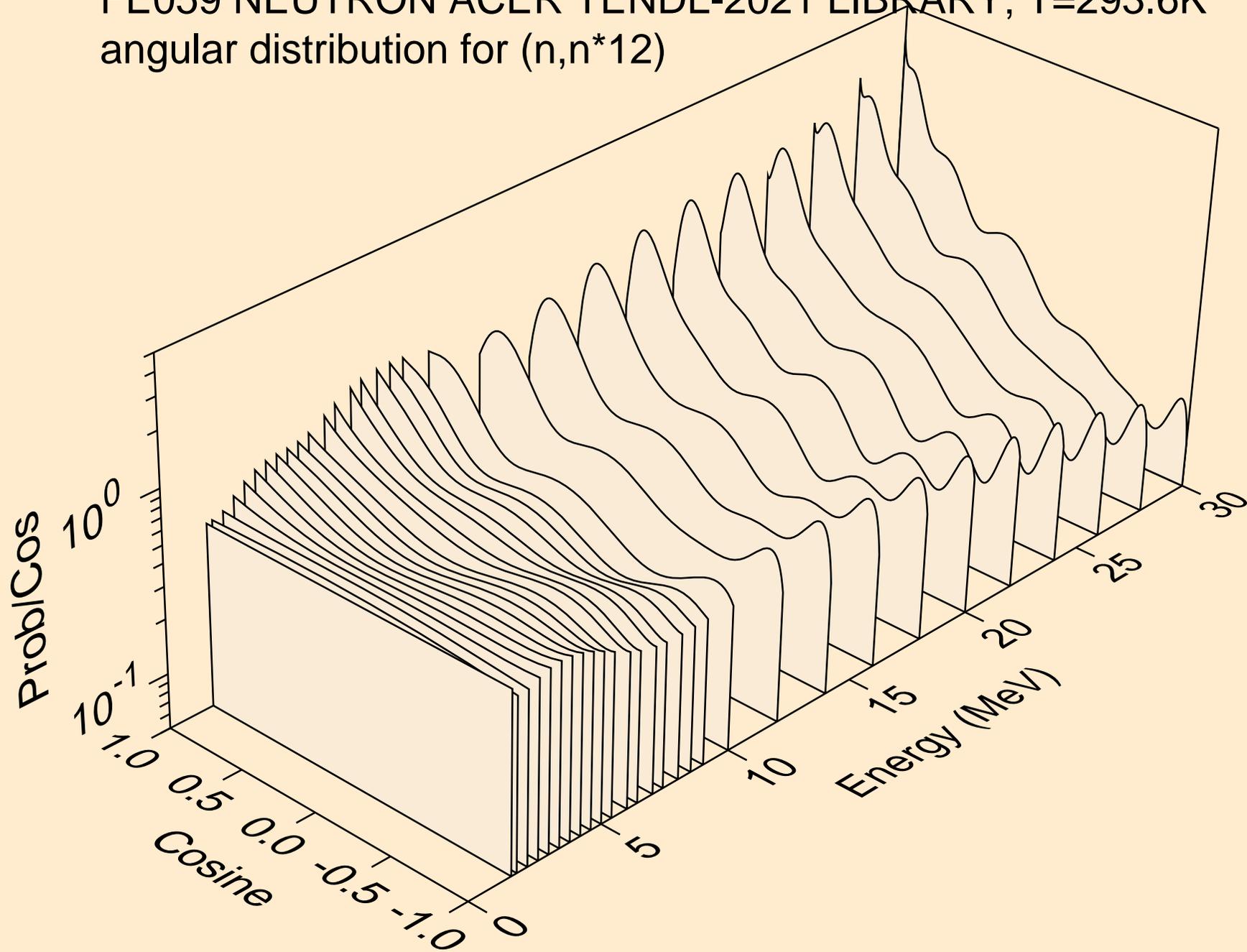
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*10)



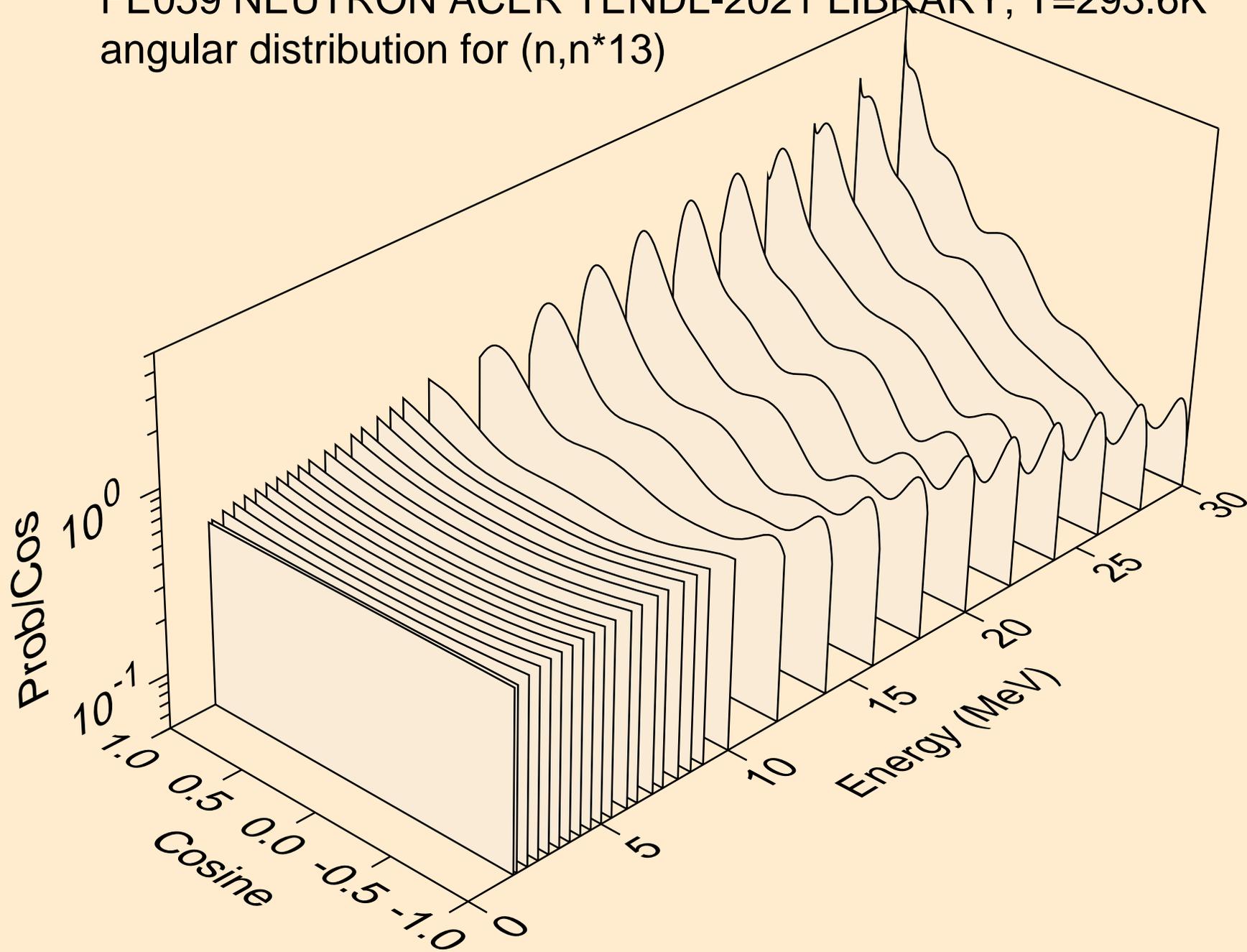
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*11)



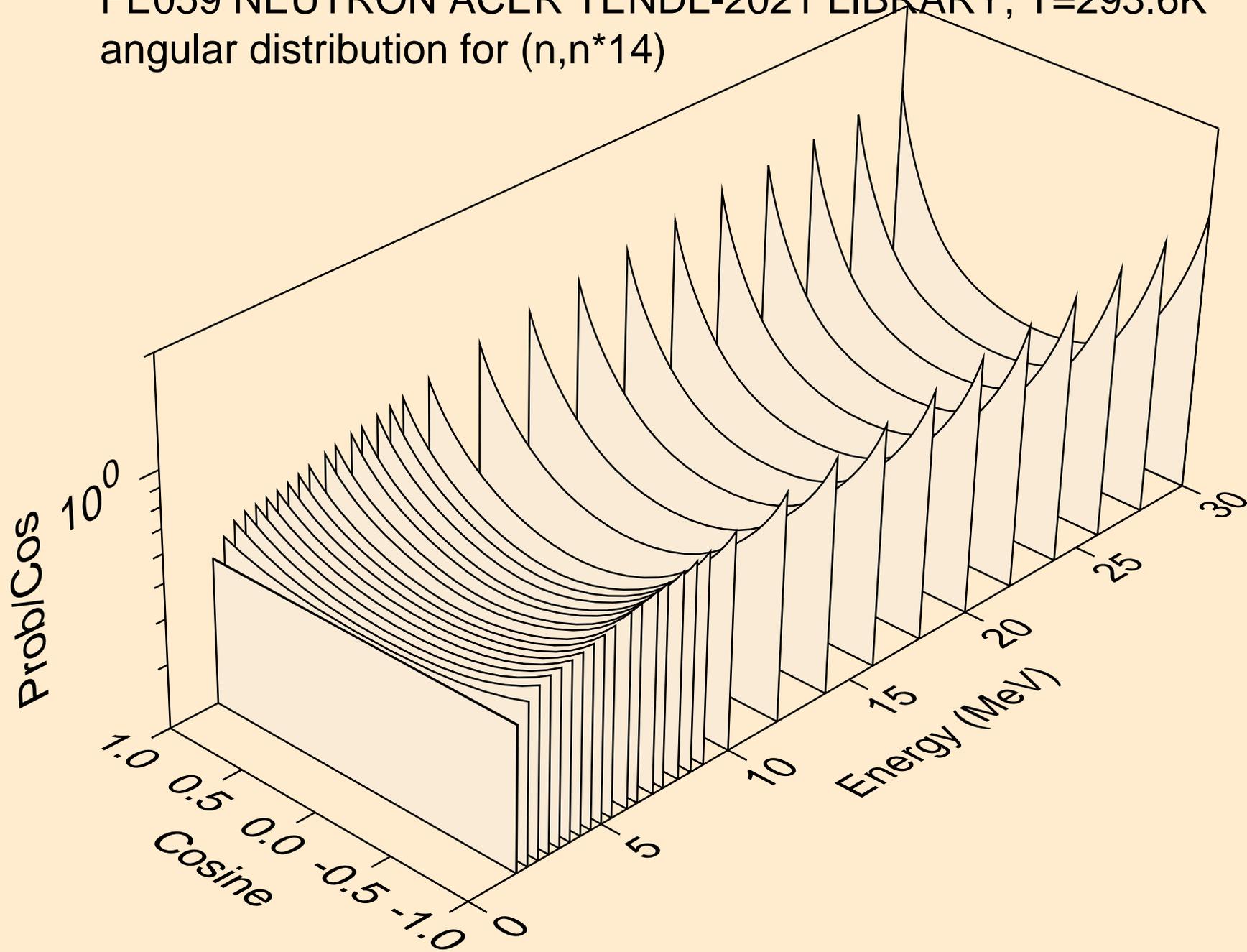
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*12)



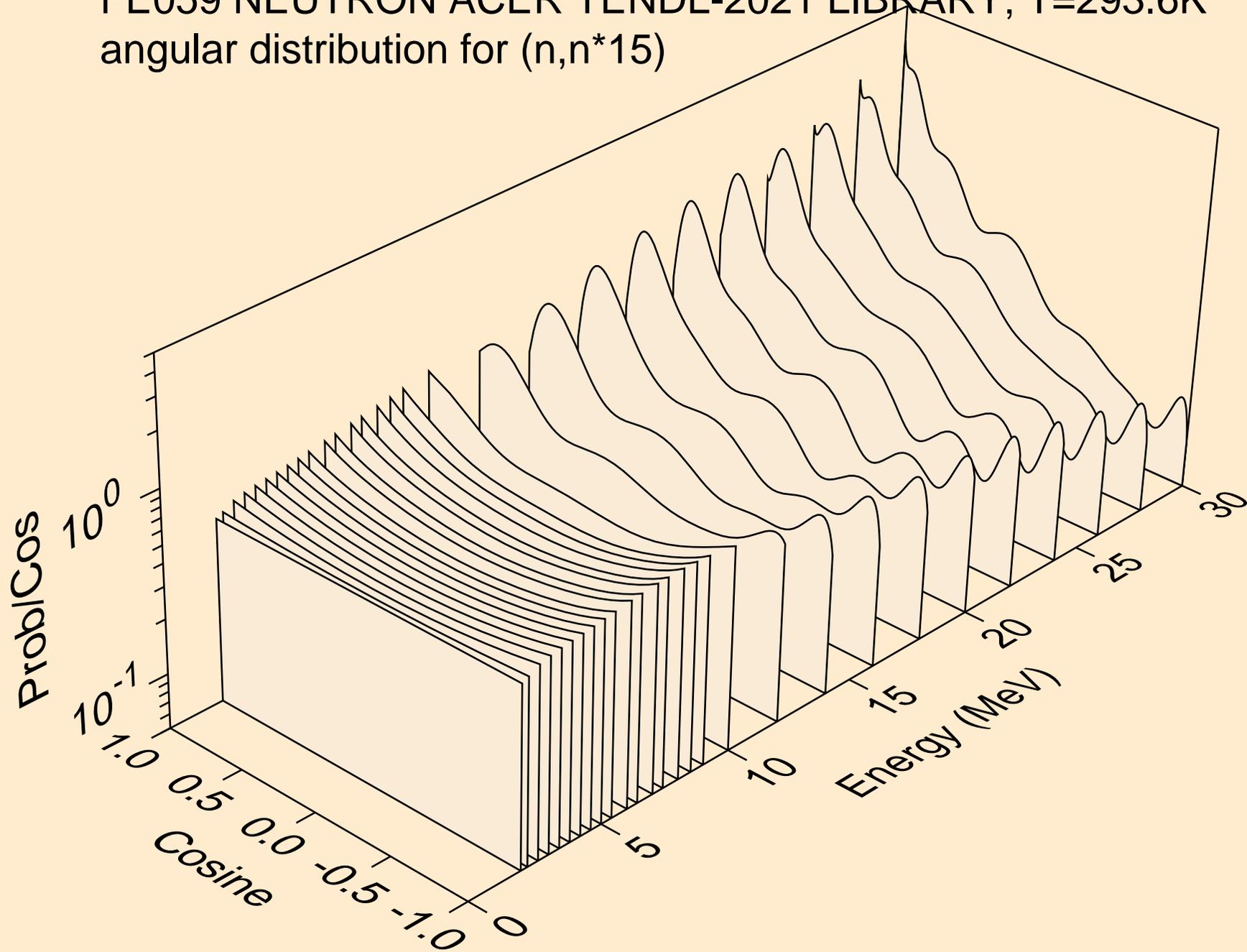
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*13)



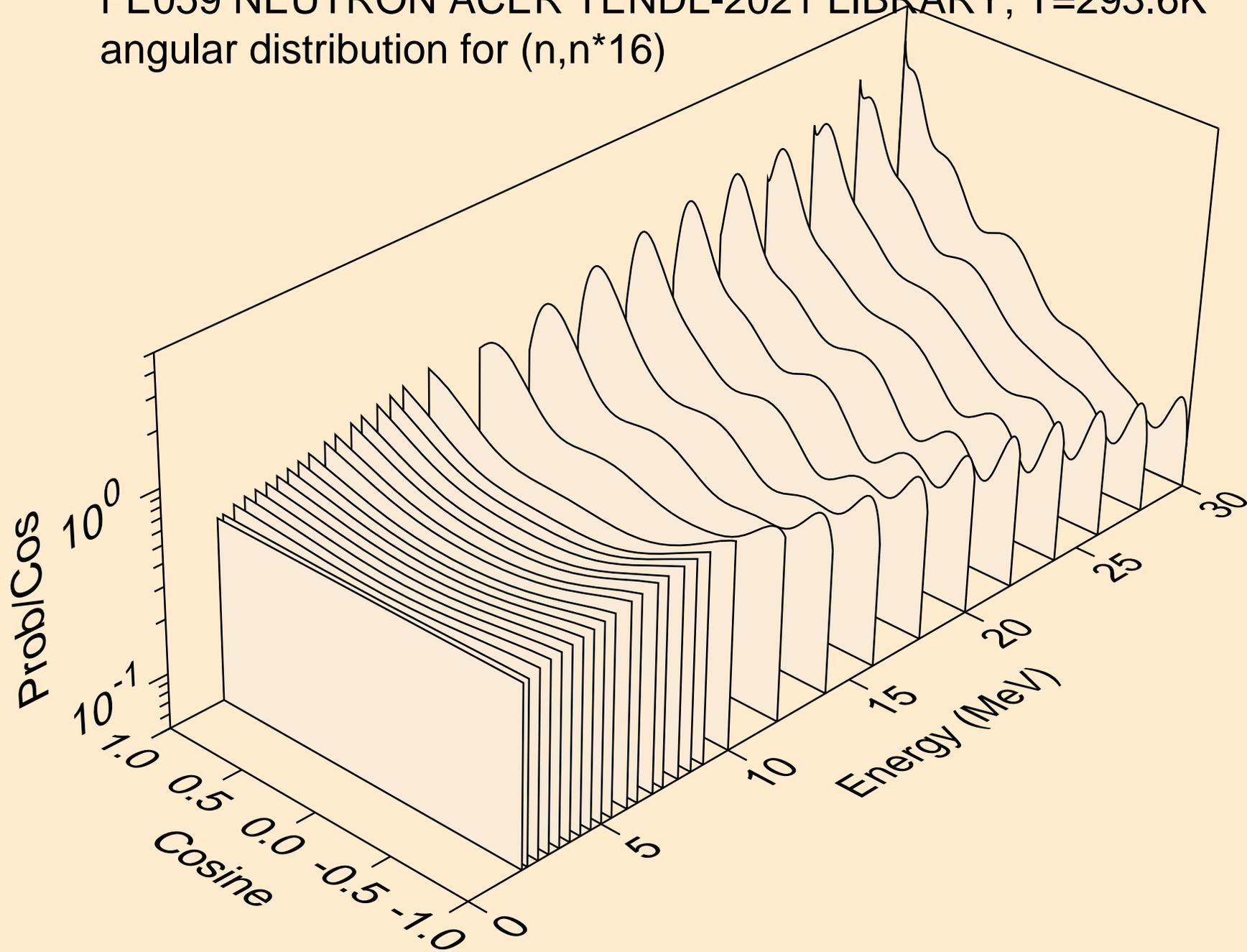
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*14)



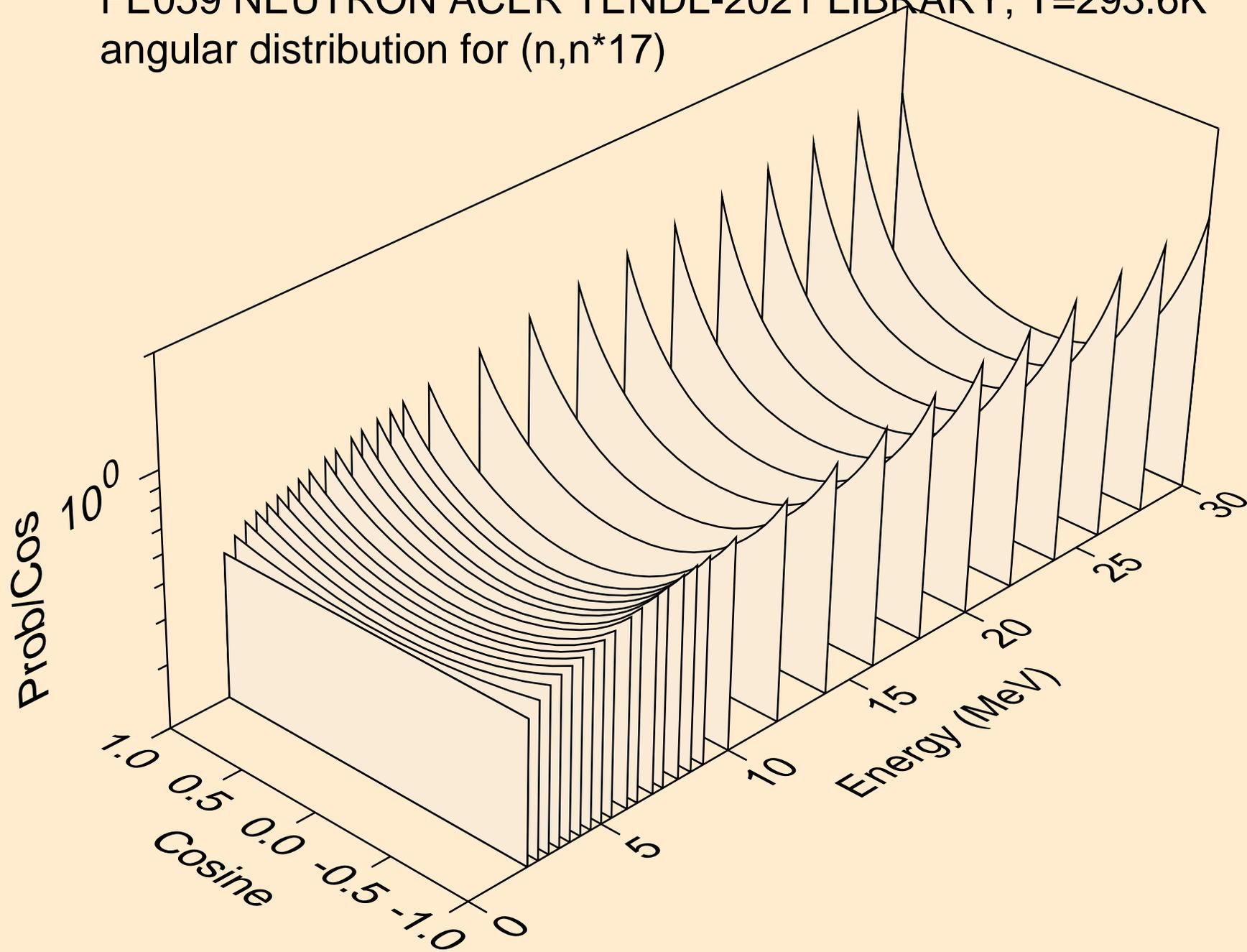
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*15)



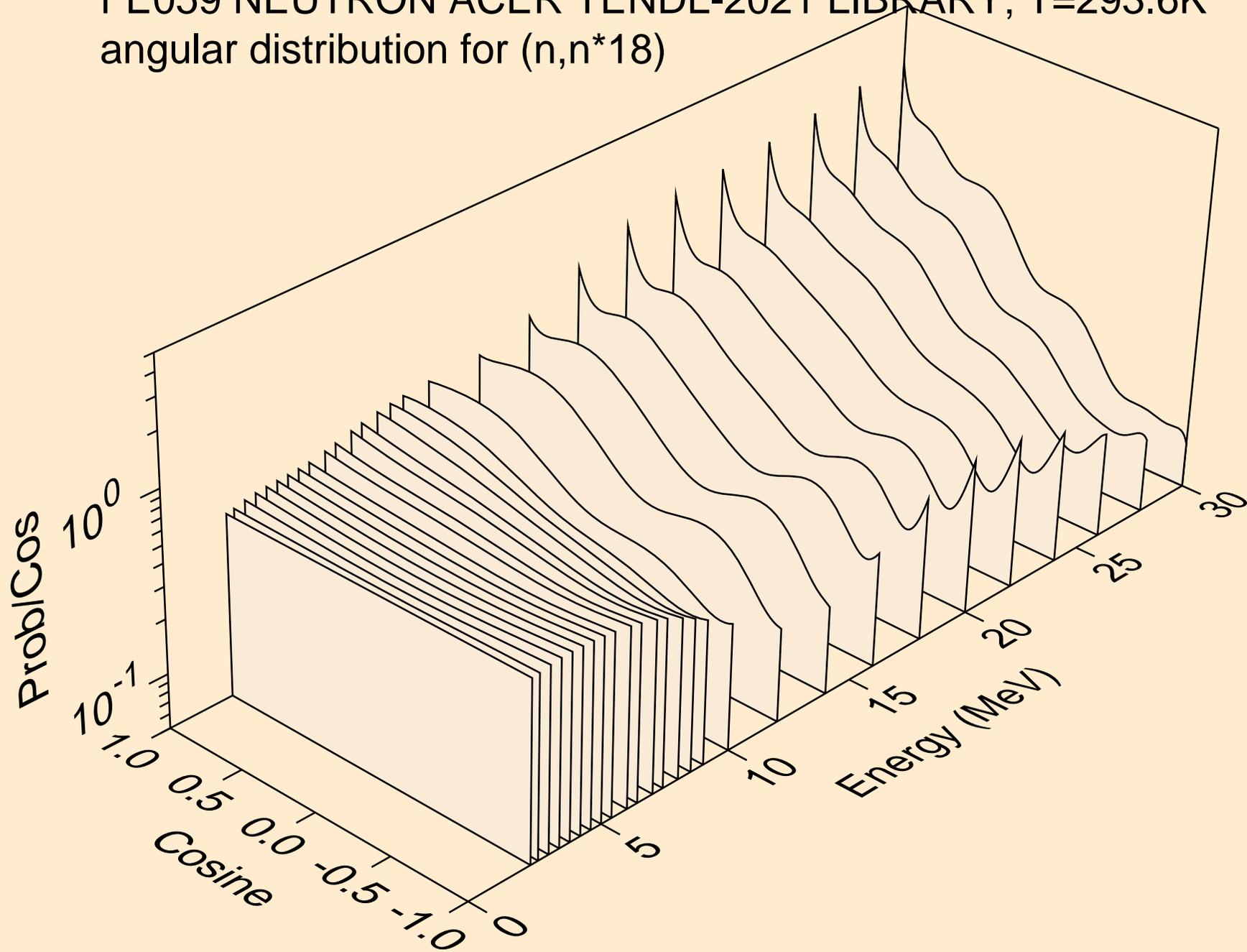
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*16)



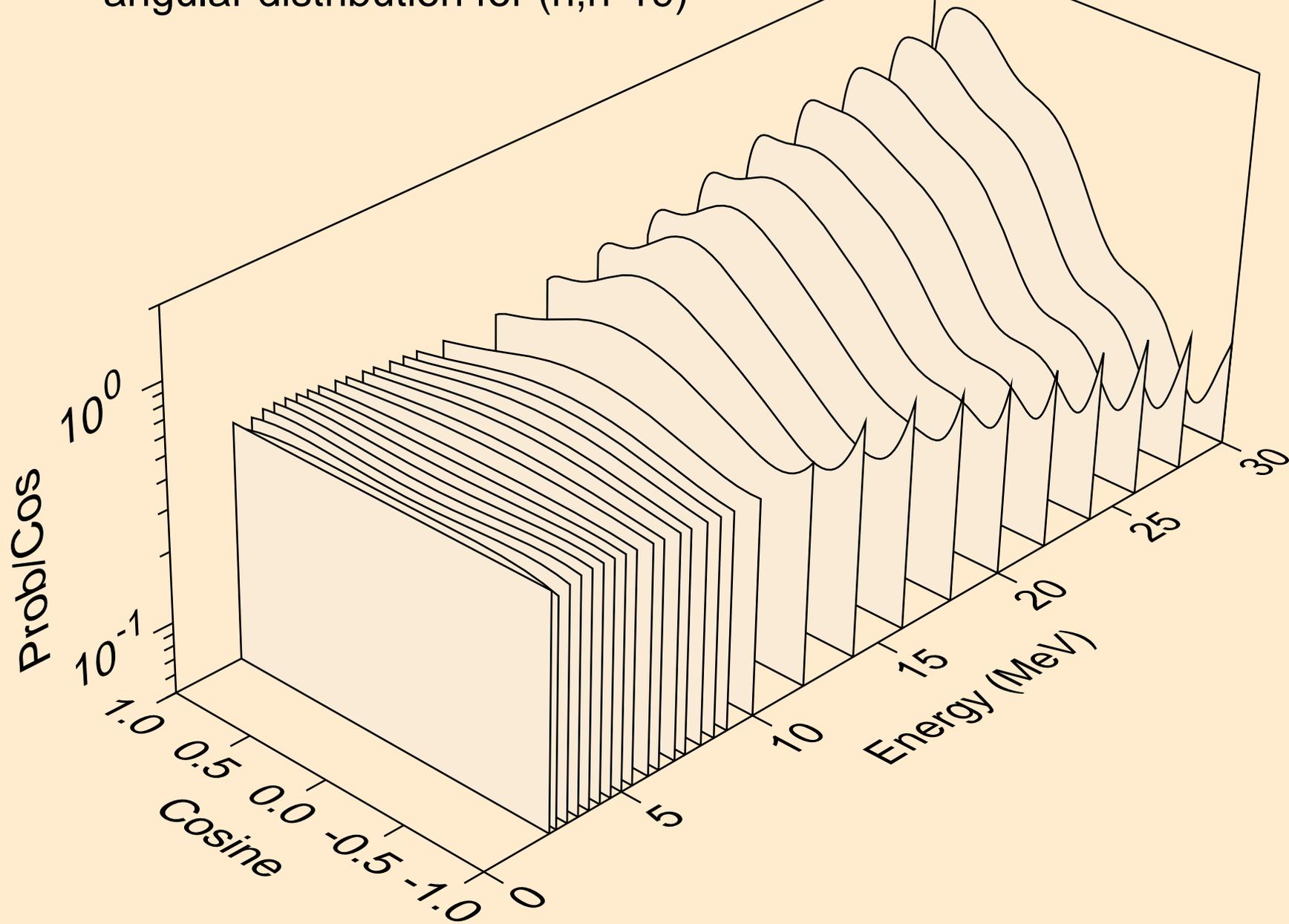
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*17)



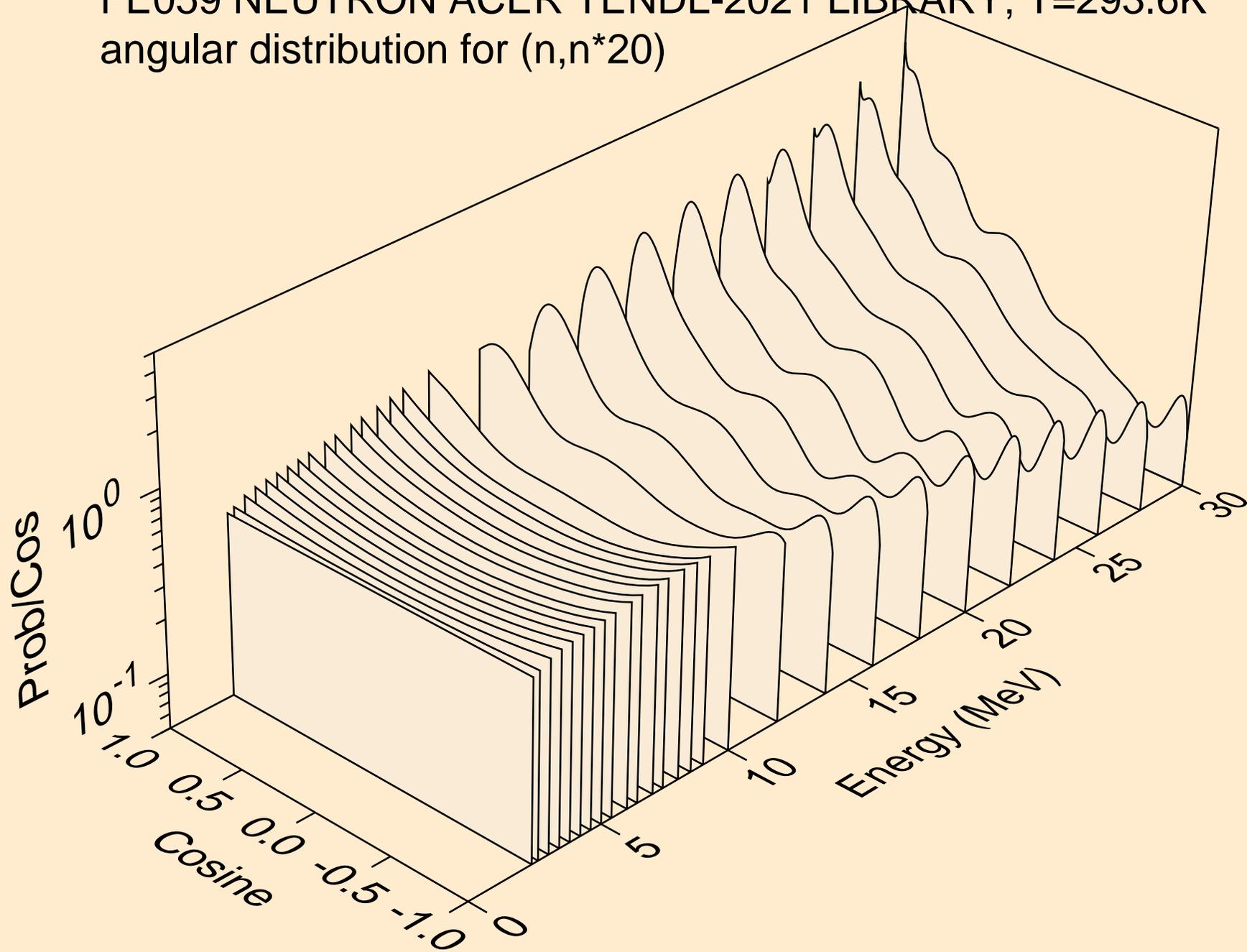
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*18)



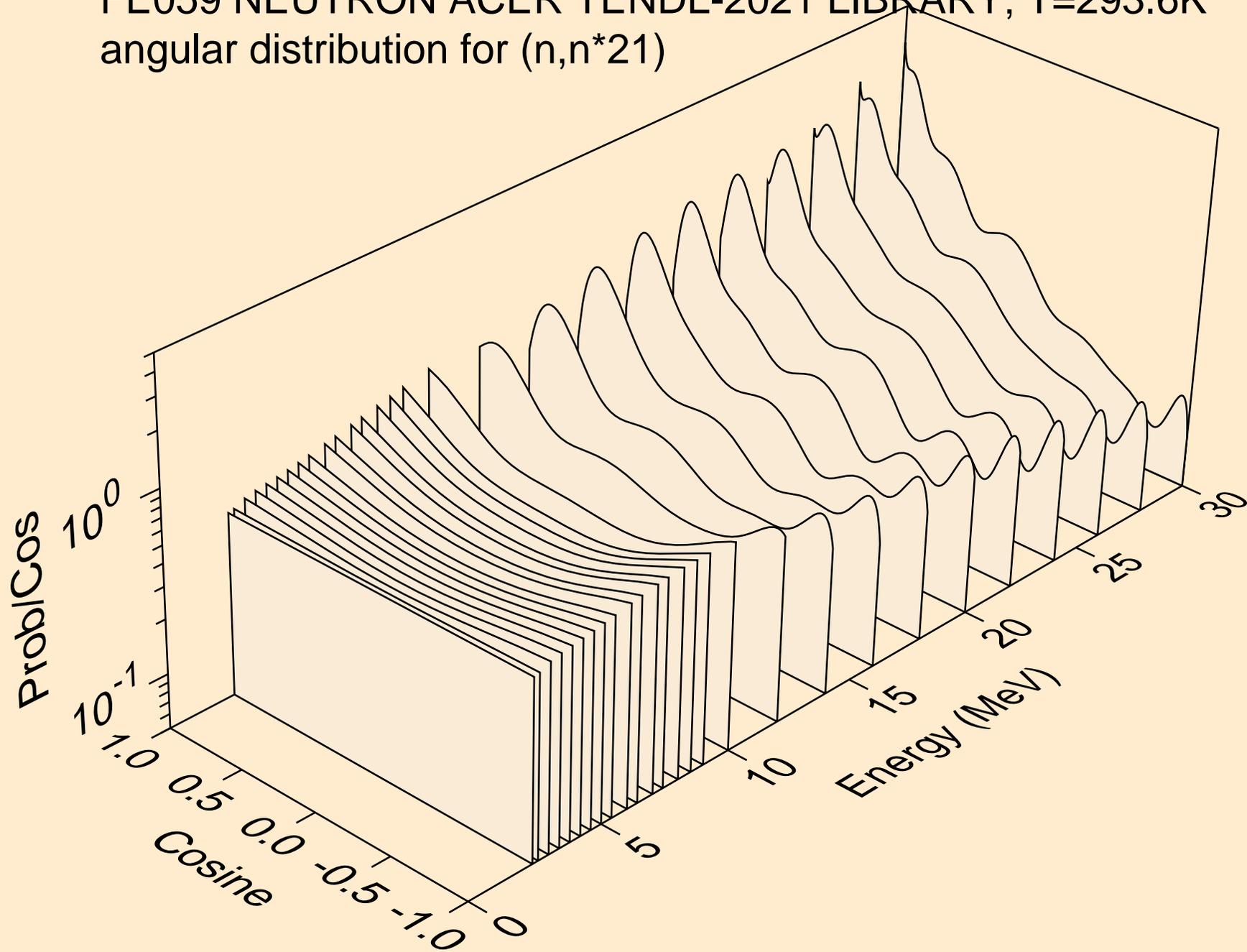
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*19)



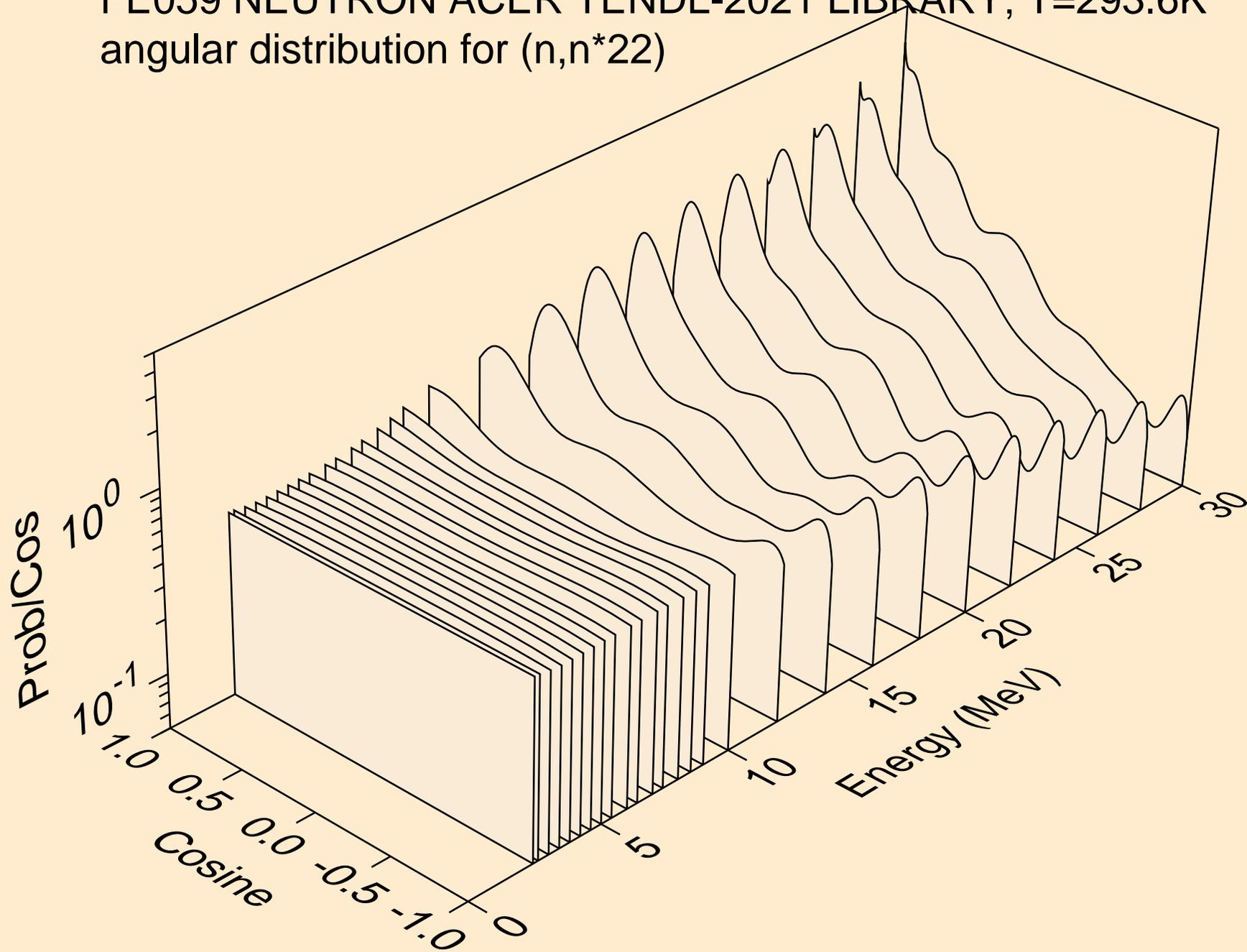
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*20)



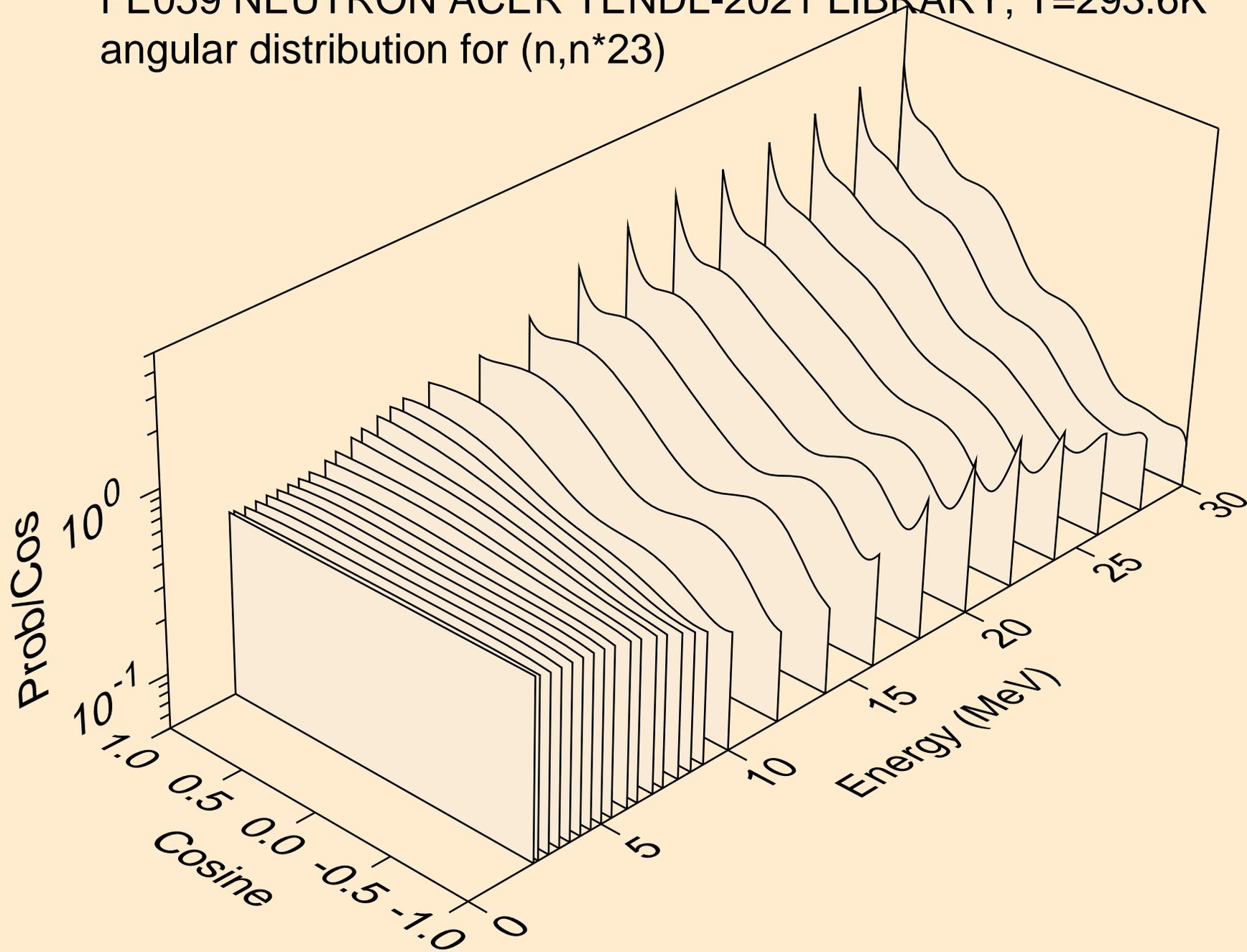
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*21)



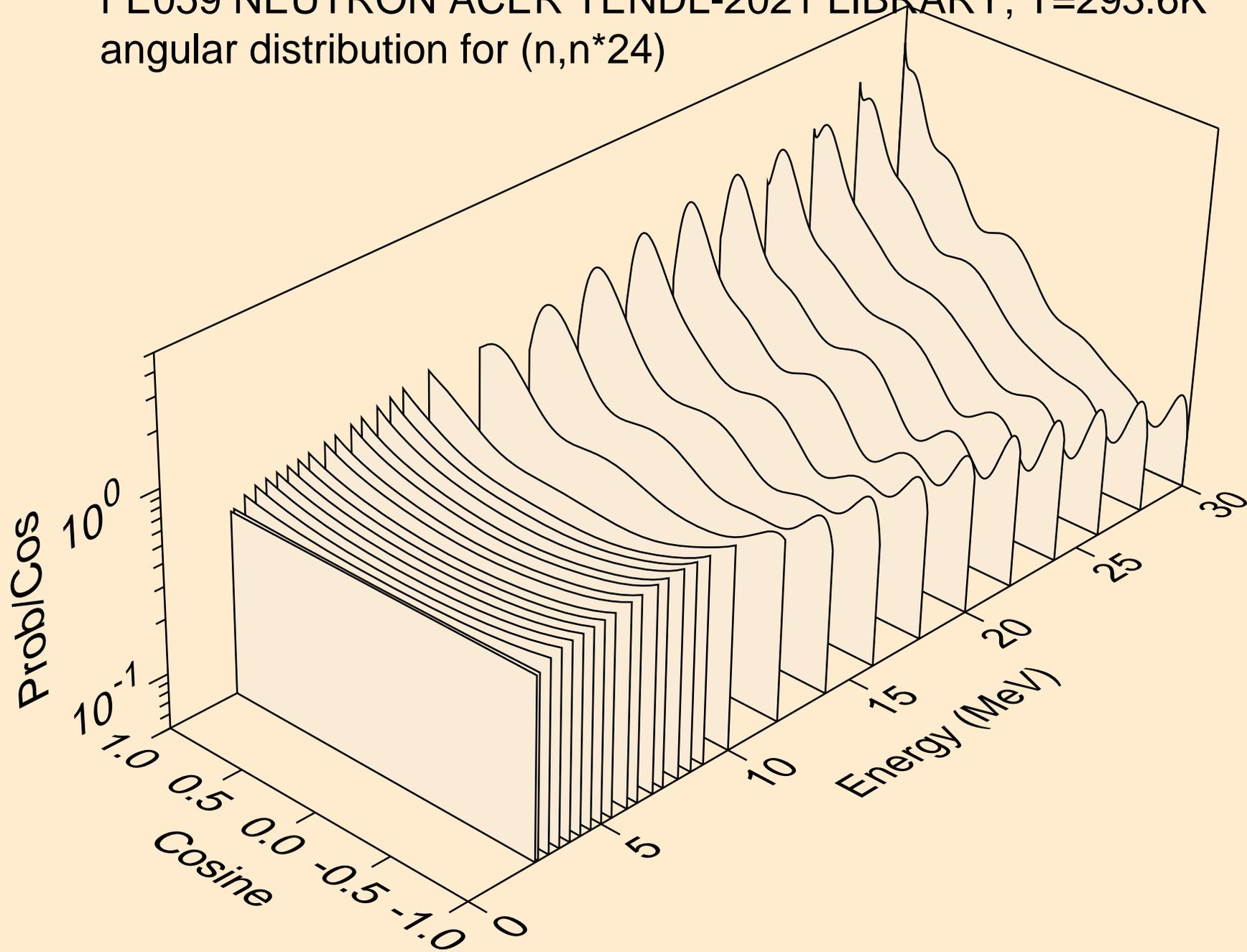
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*22)



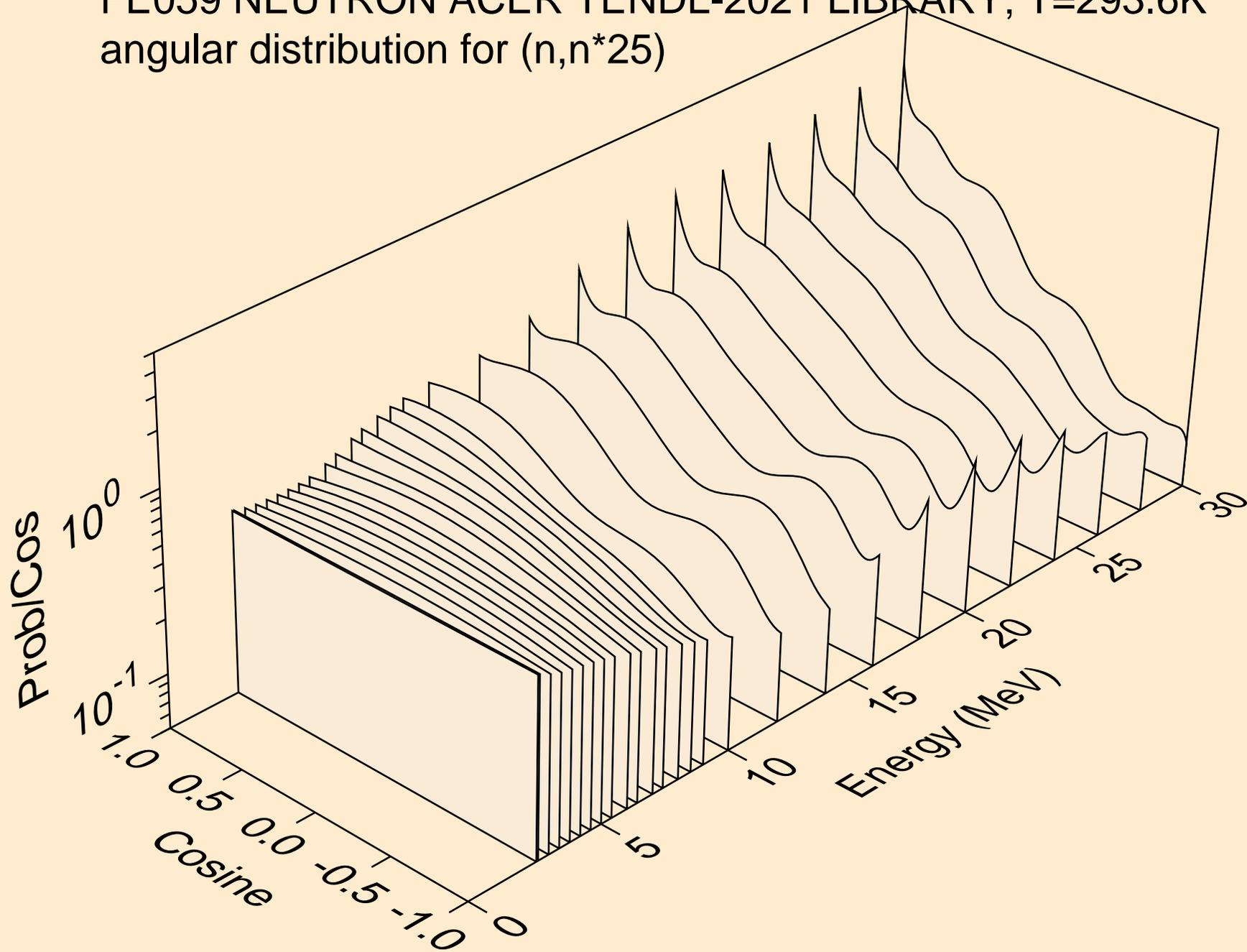
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*23)



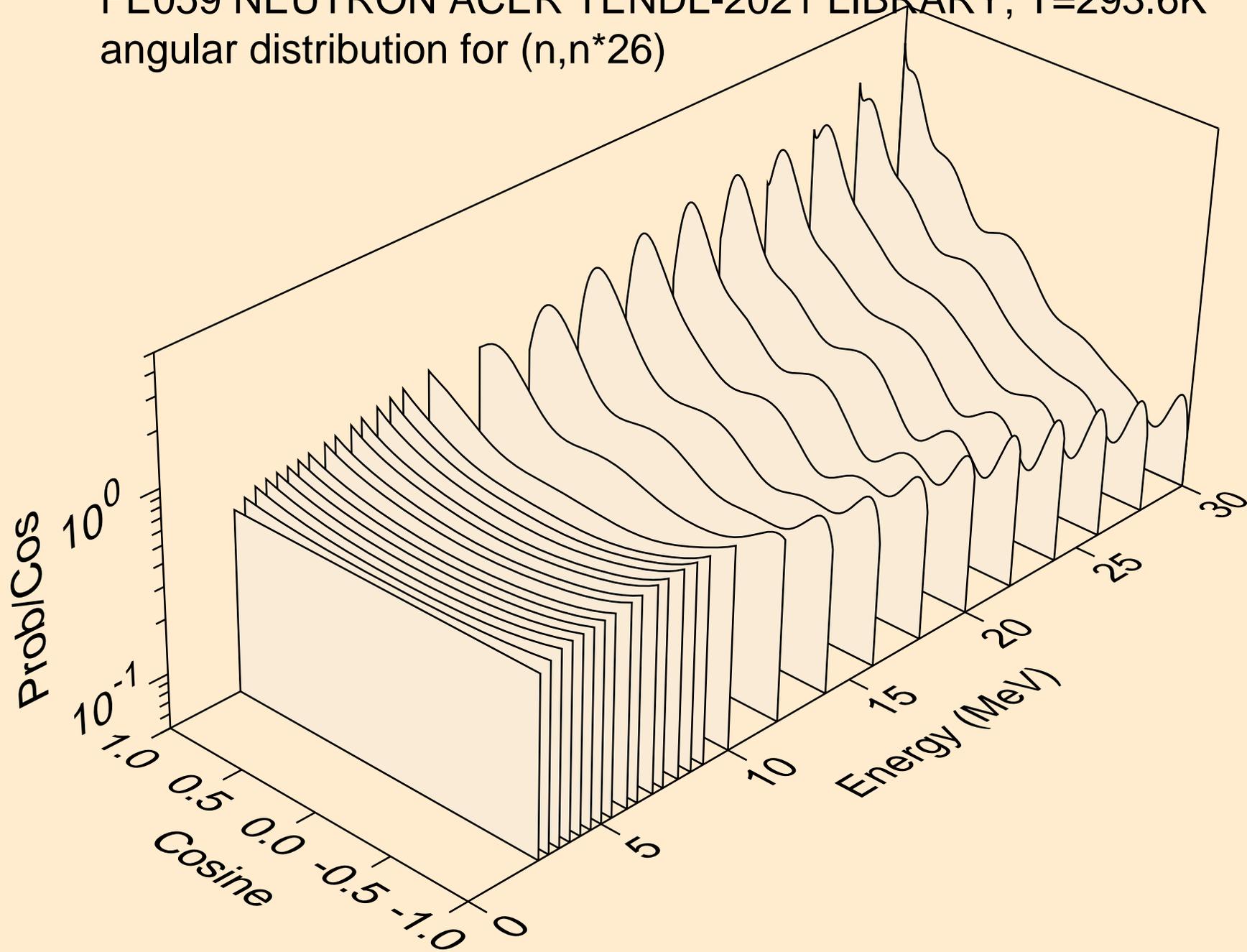
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*24)



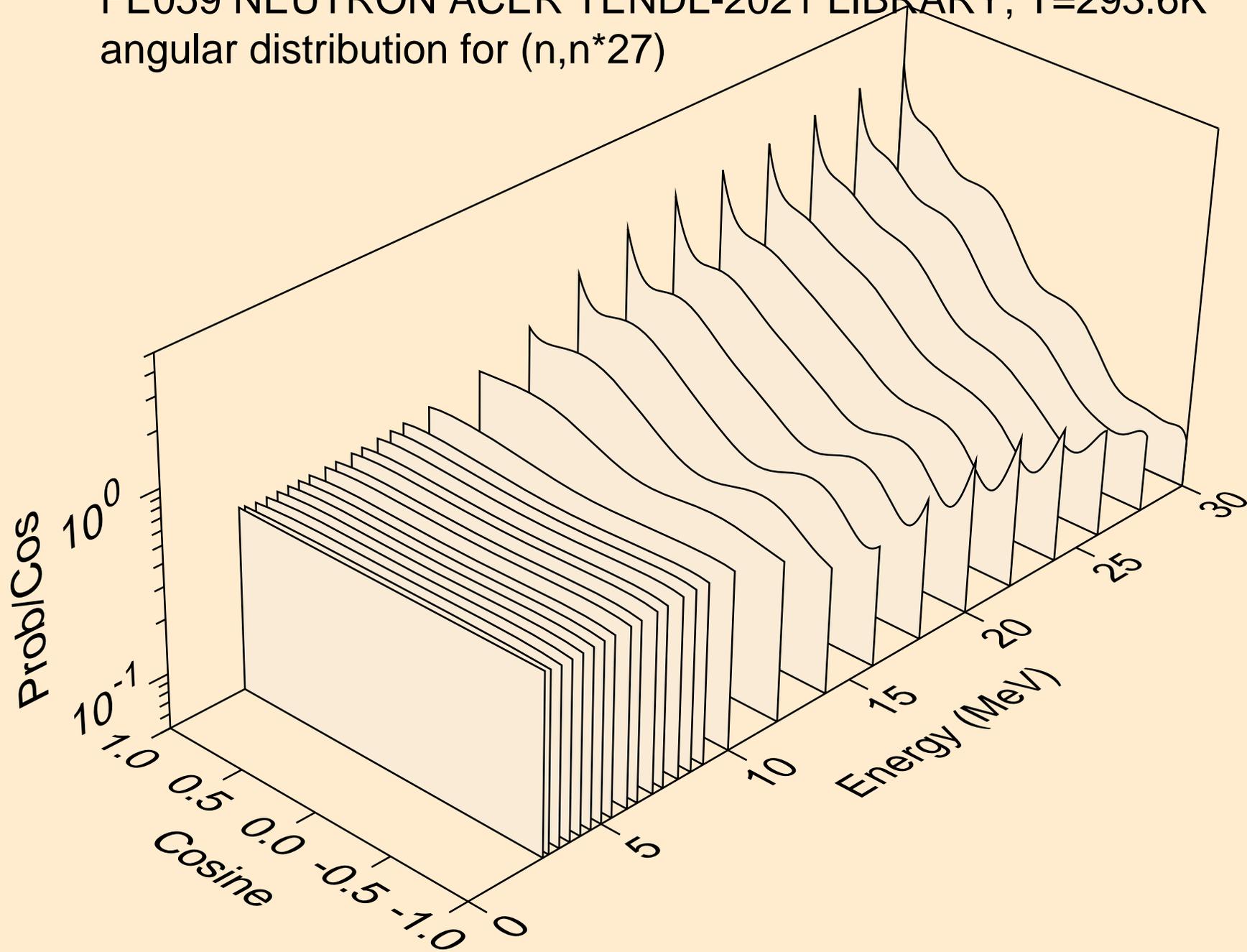
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*25)



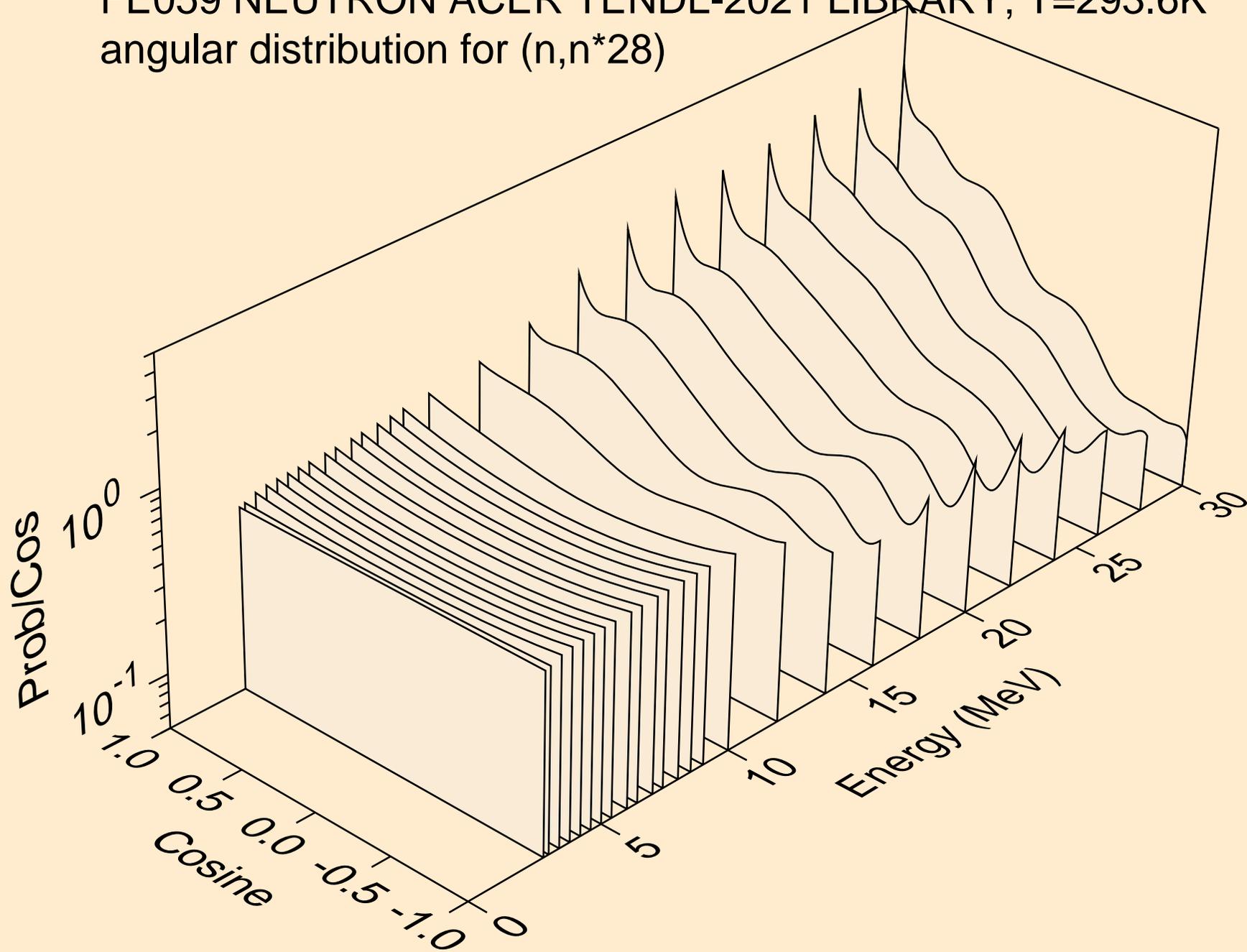
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*26)



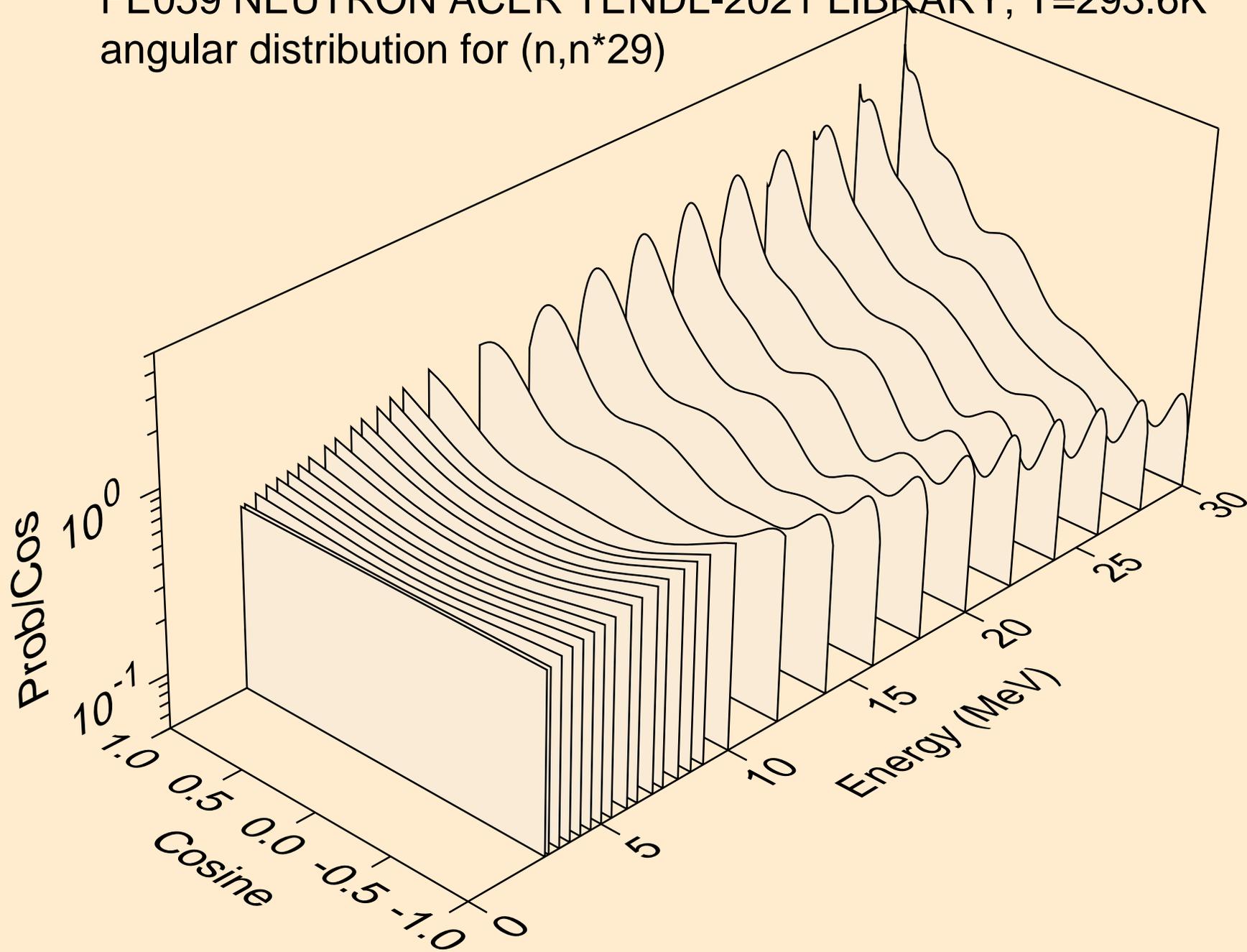
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*27)



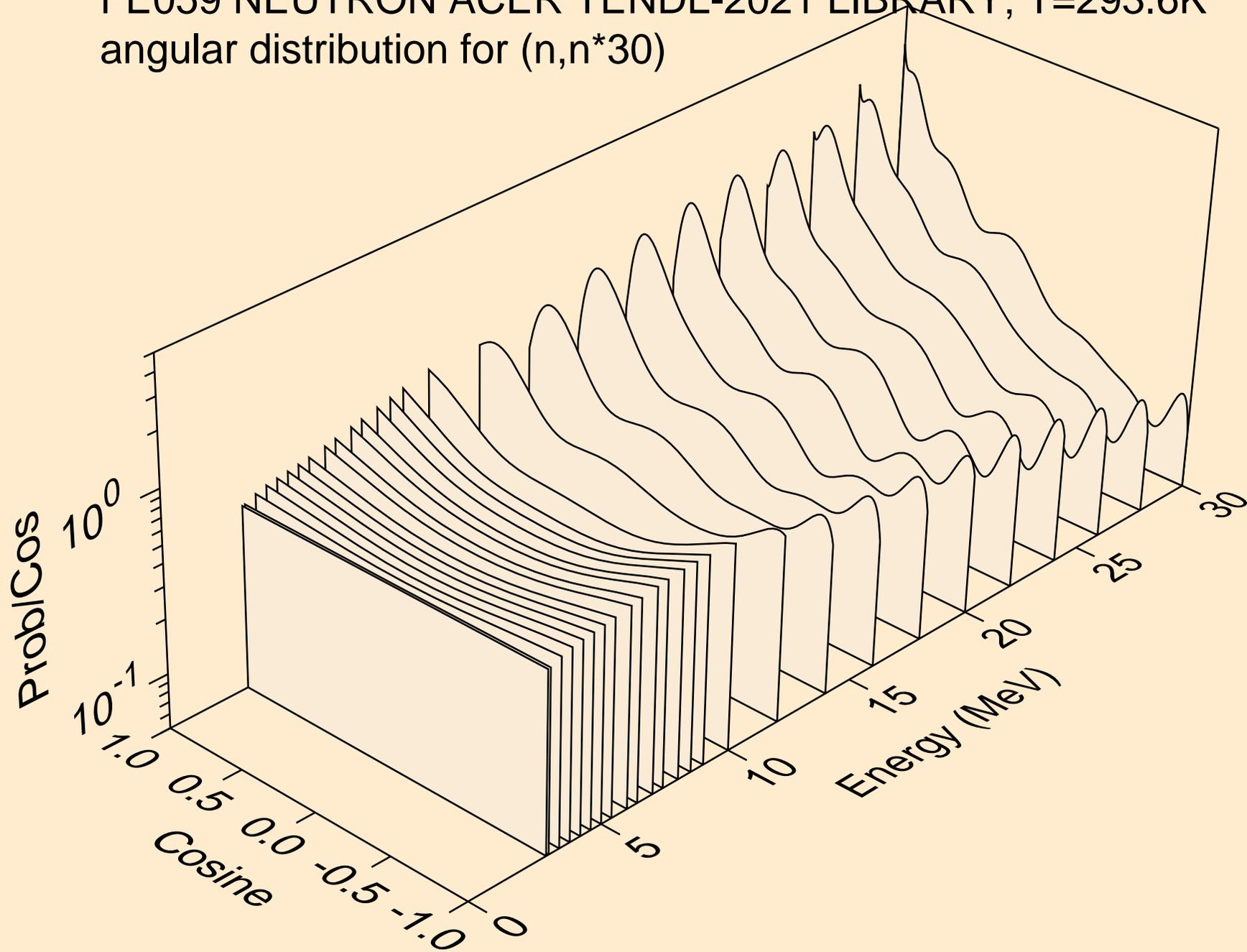
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*28)



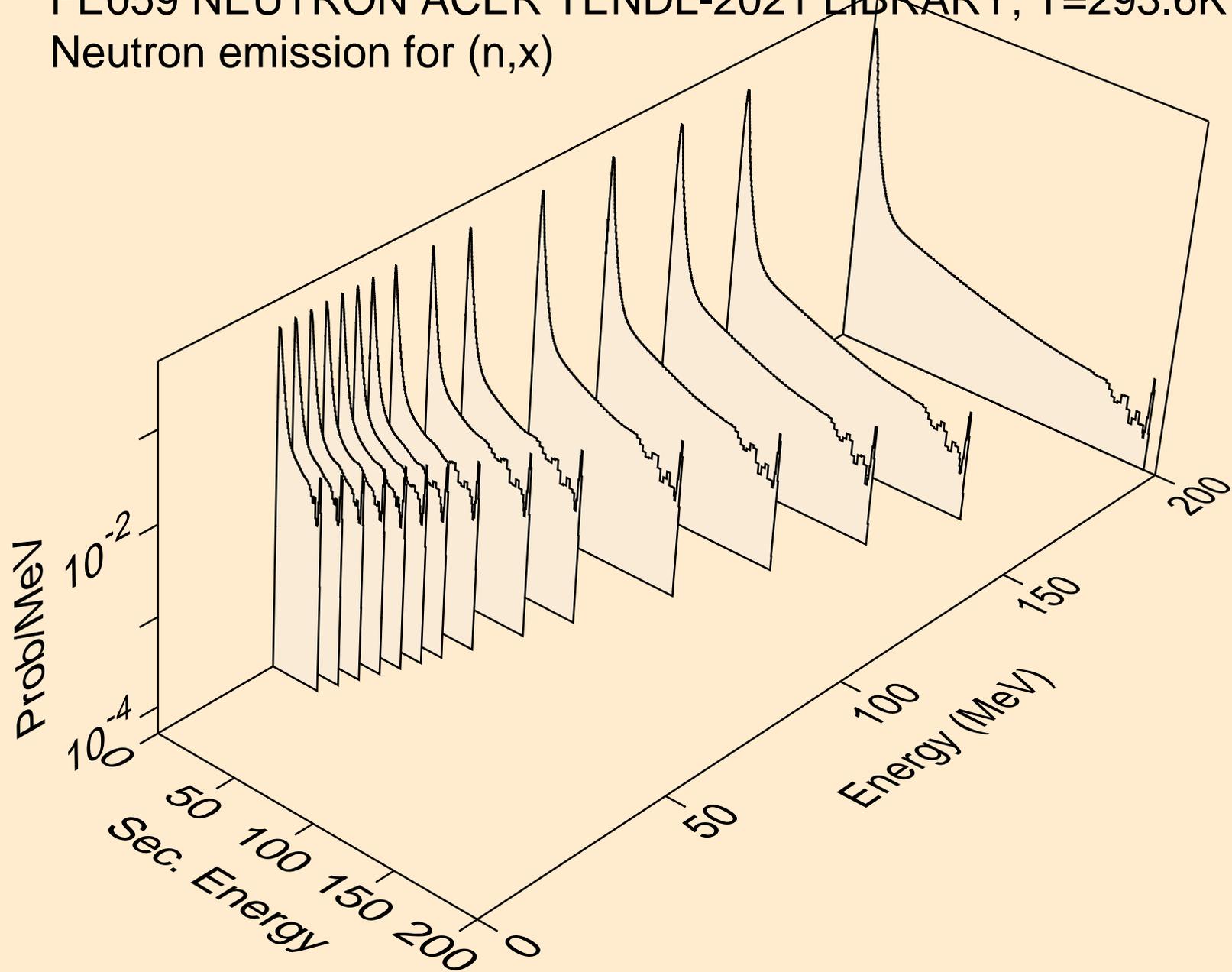
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*29)



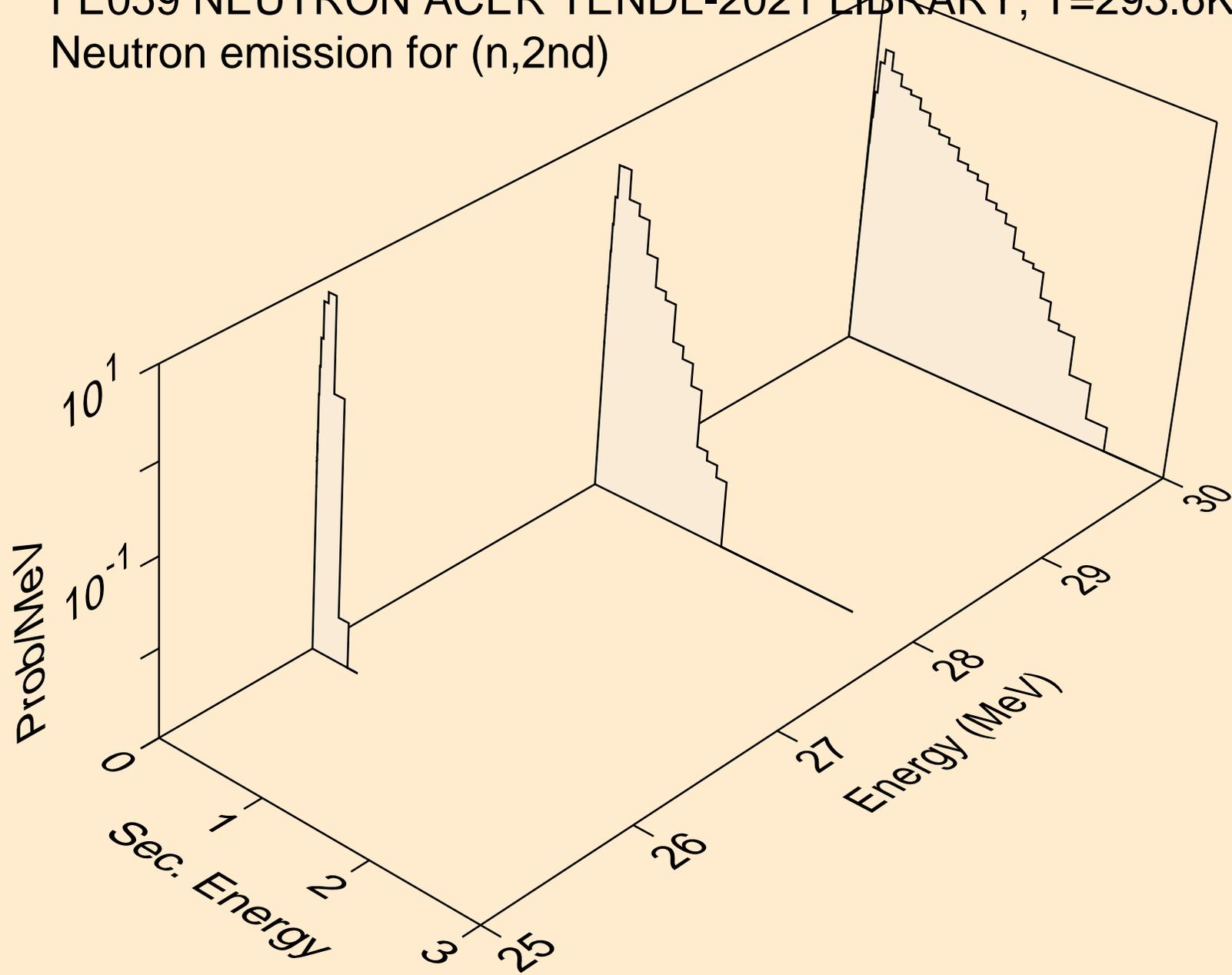
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*30)



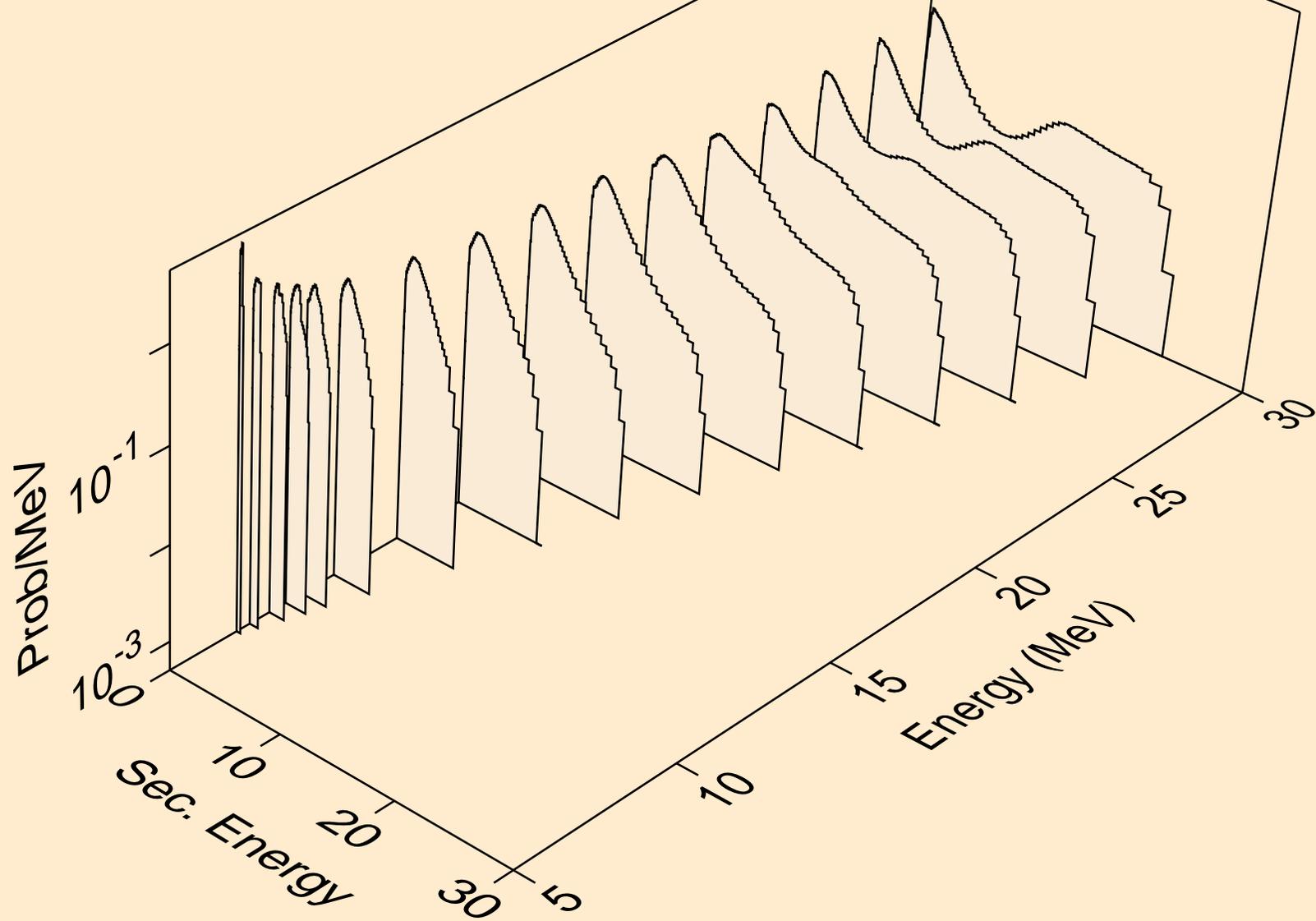
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,x)



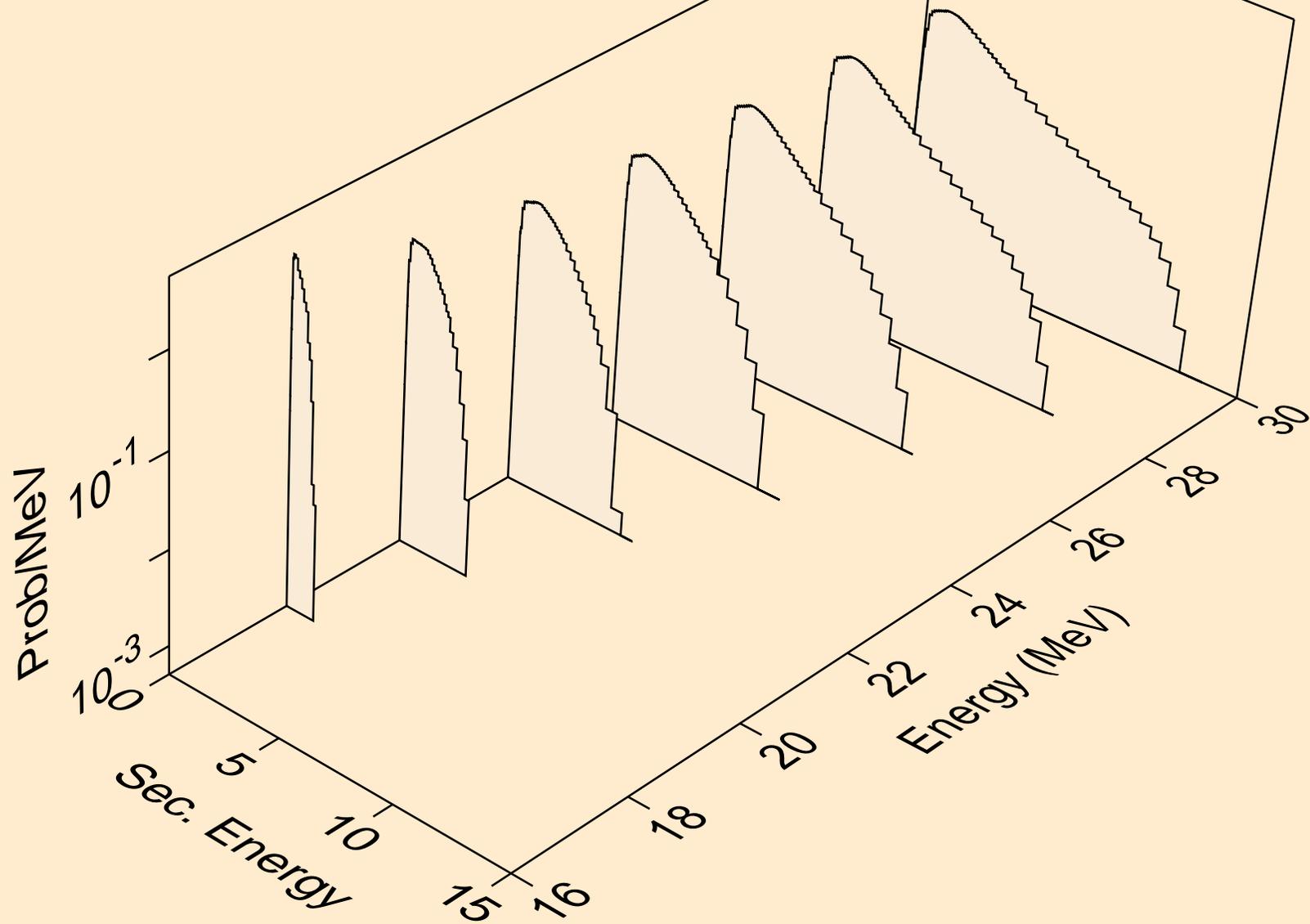
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2nd)



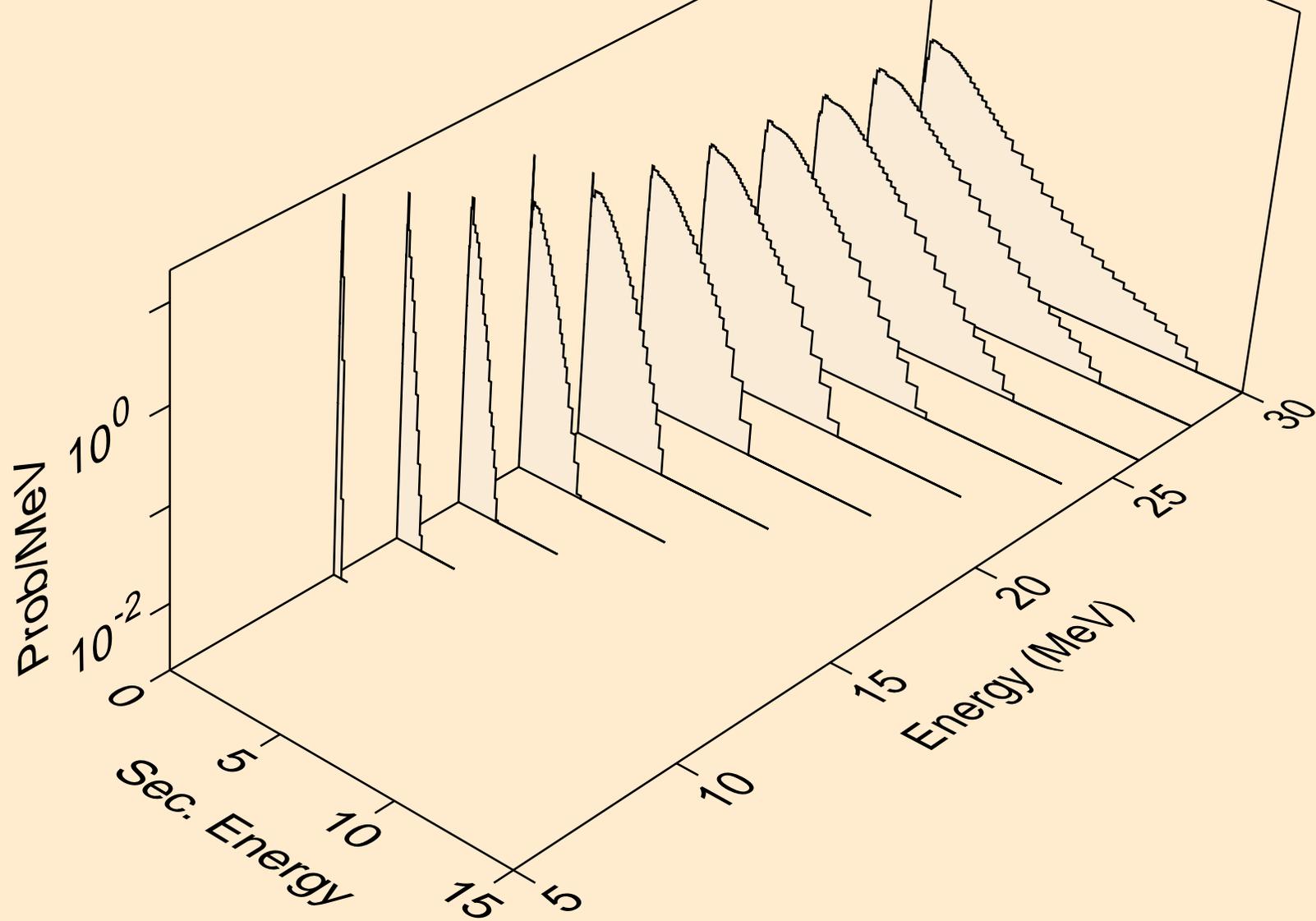
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)



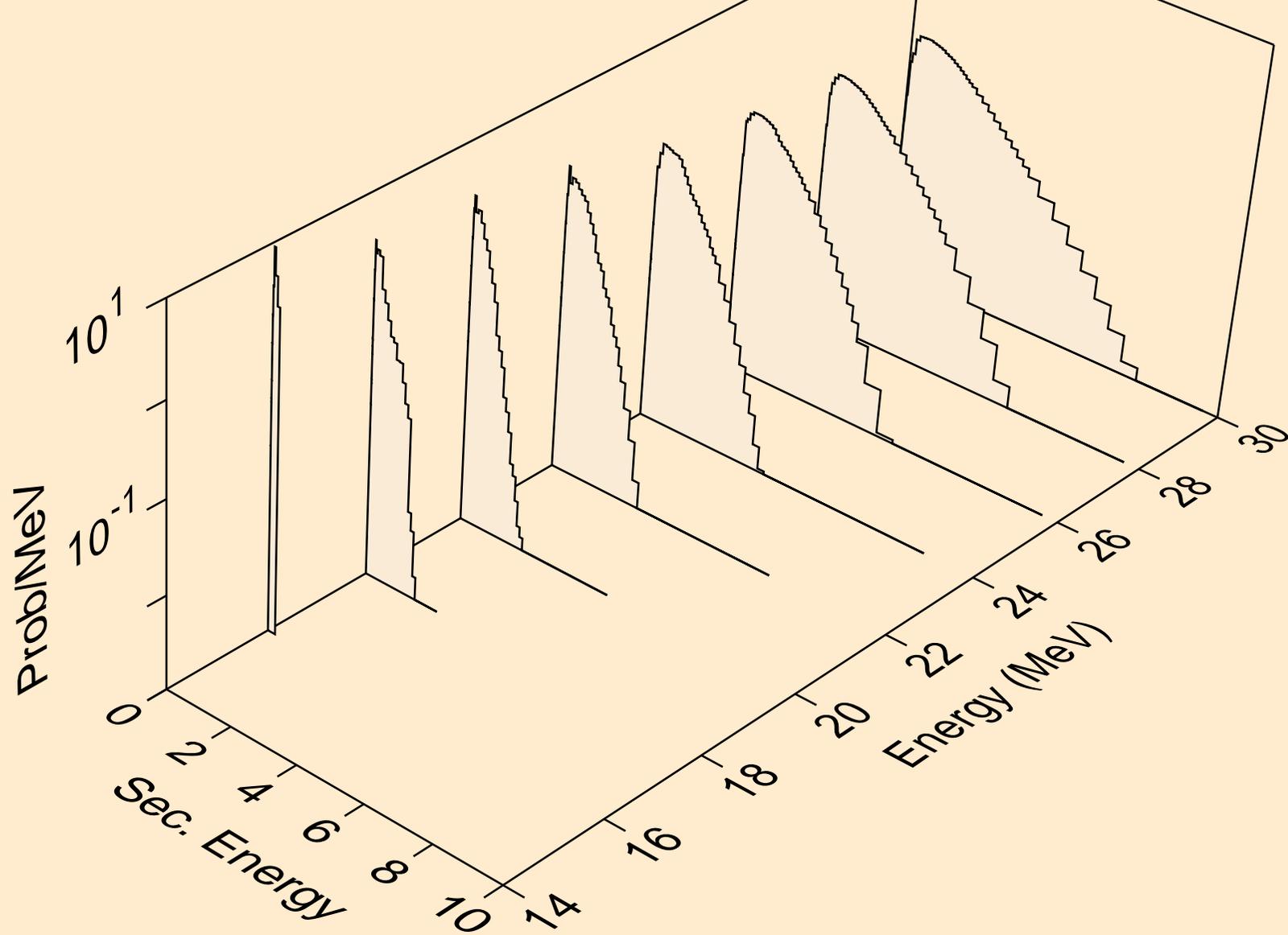
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3n)



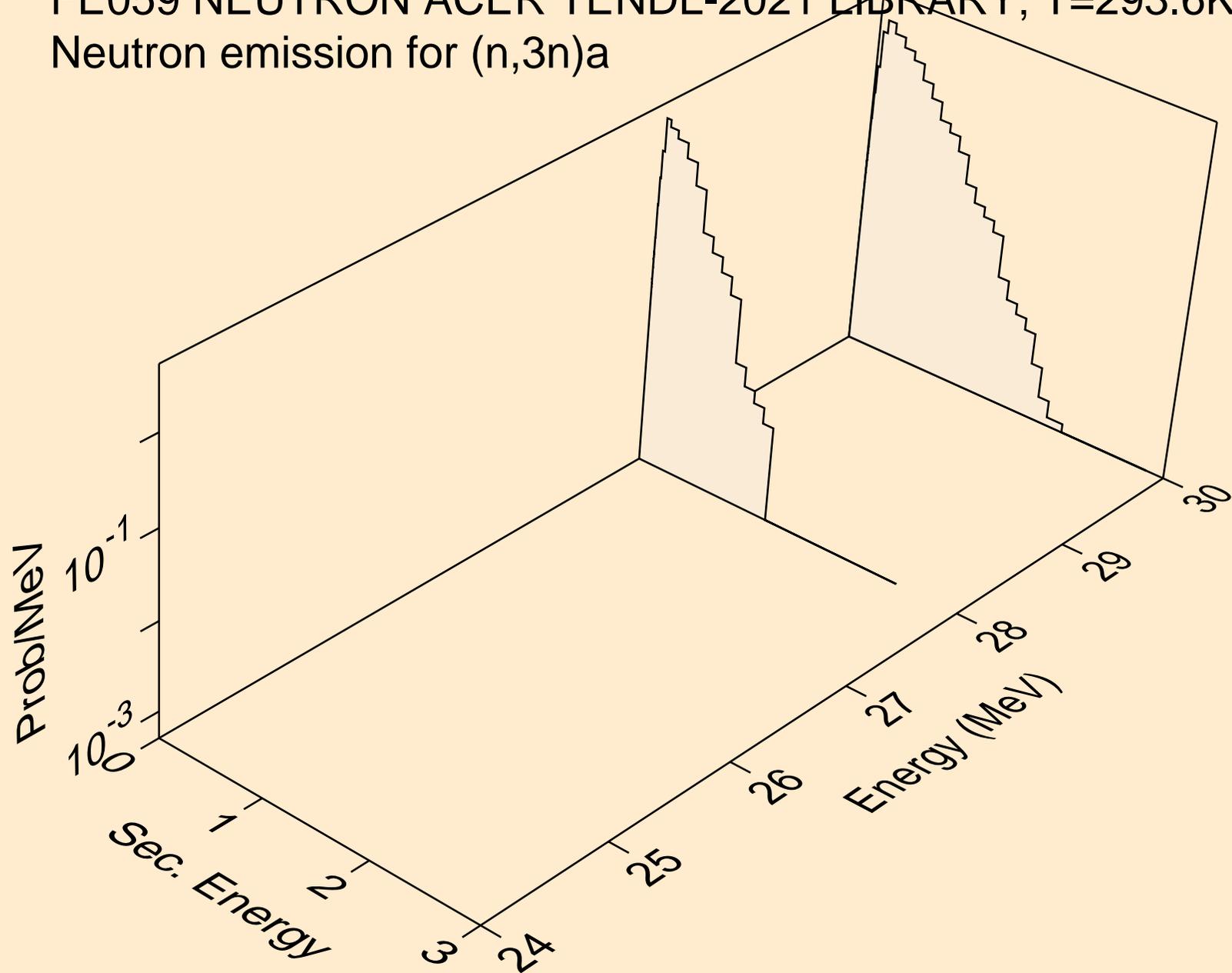
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)a



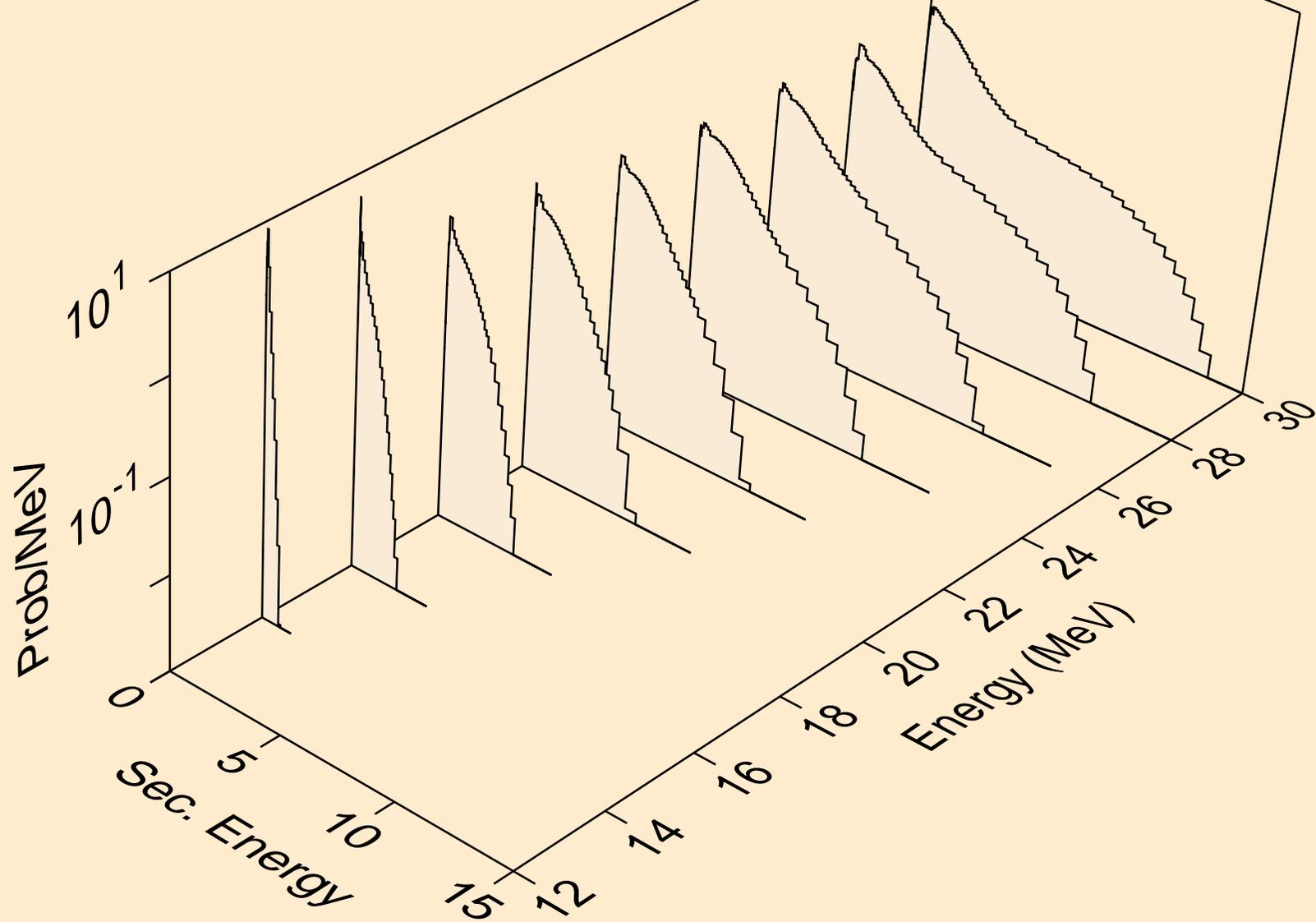
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)<sub>a</sub>



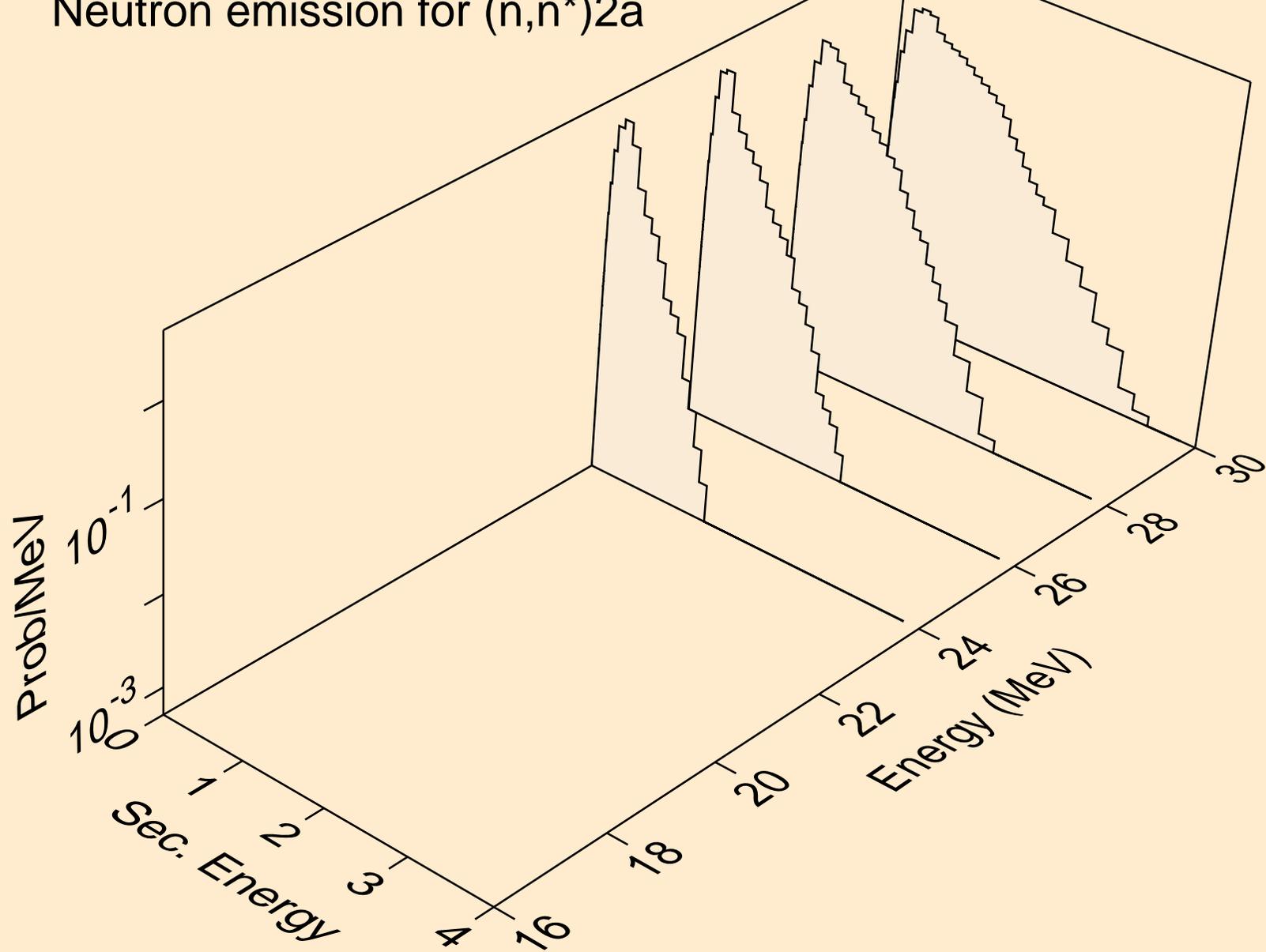
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3n)a



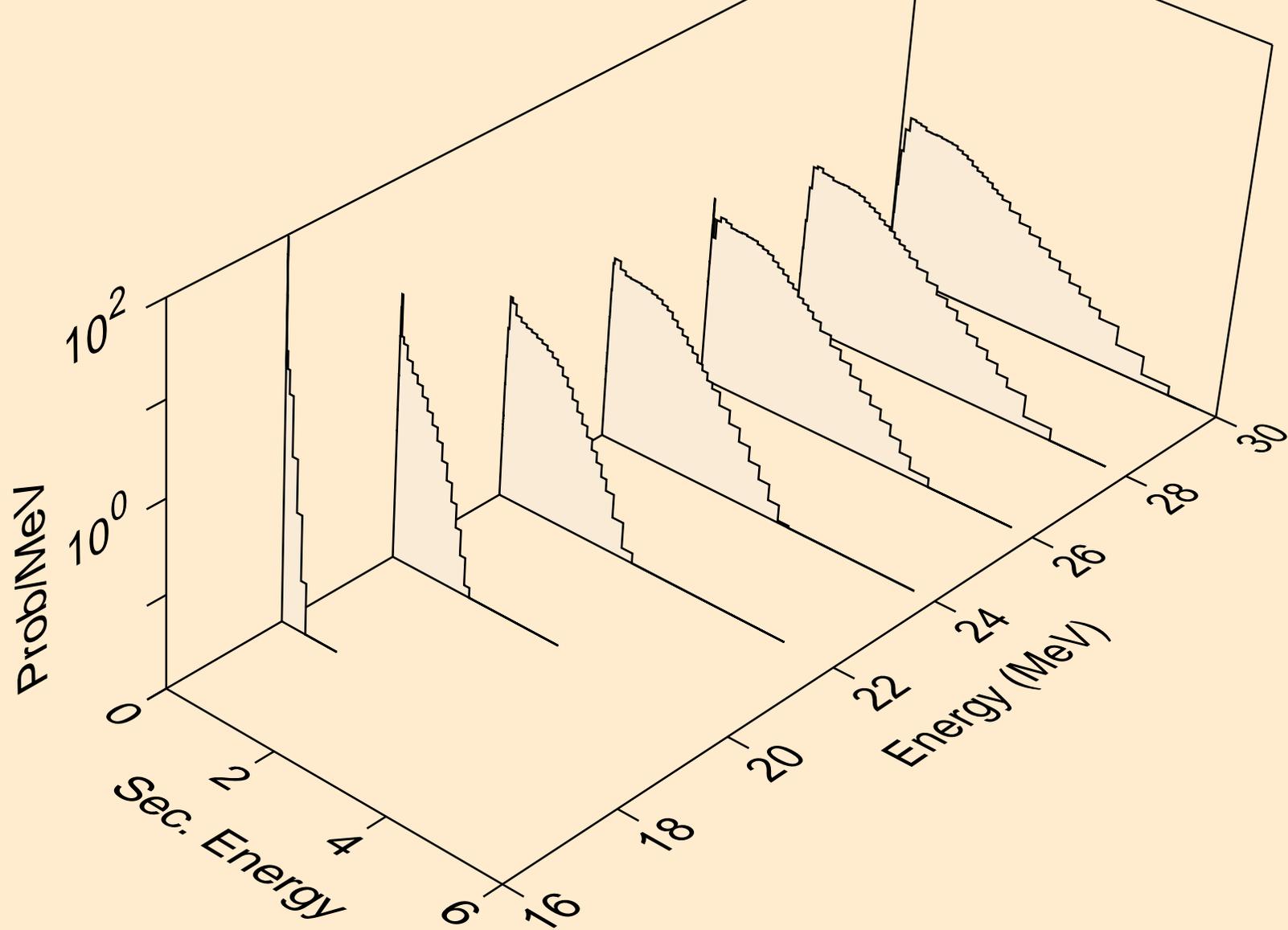
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)p



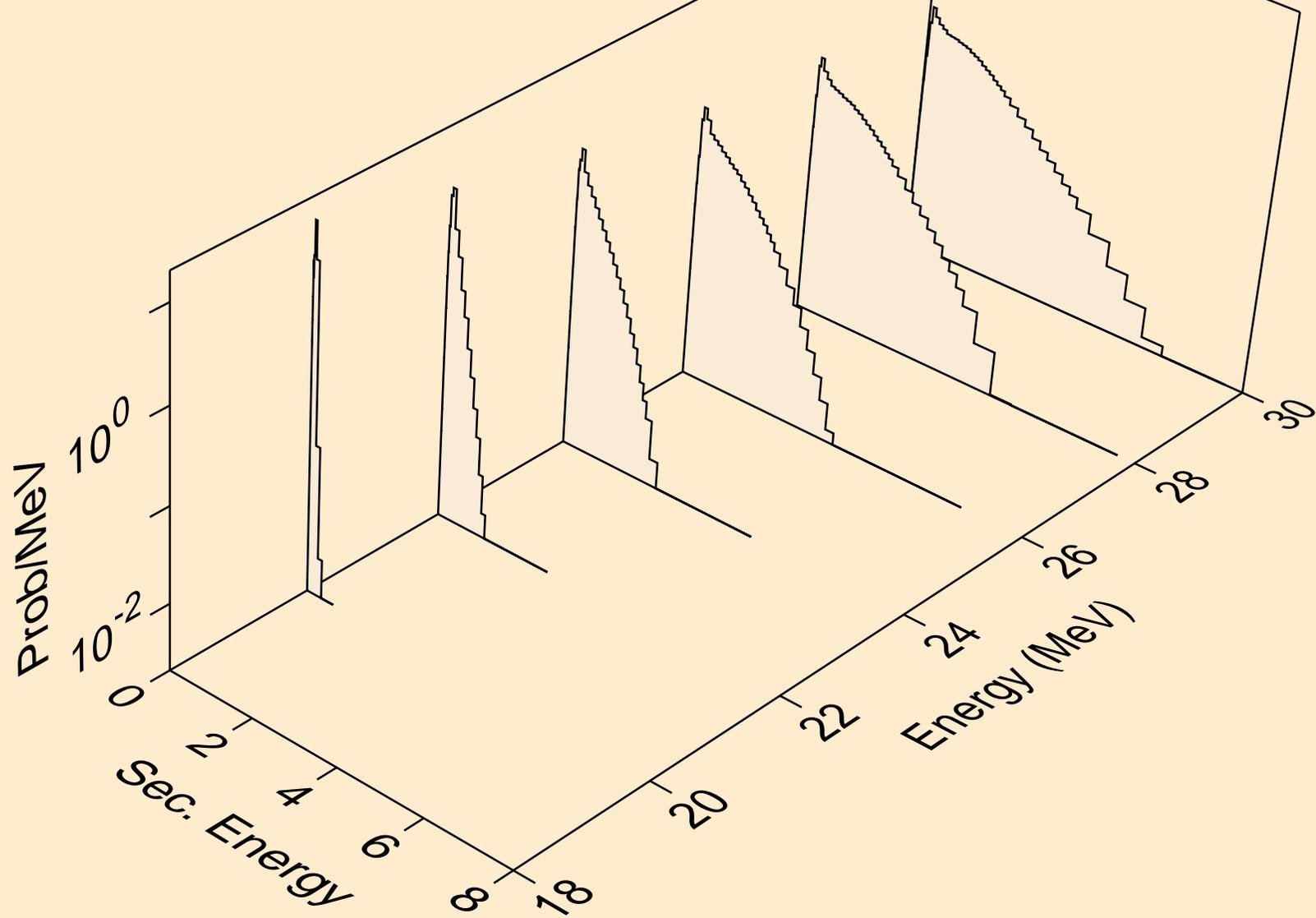
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)2a



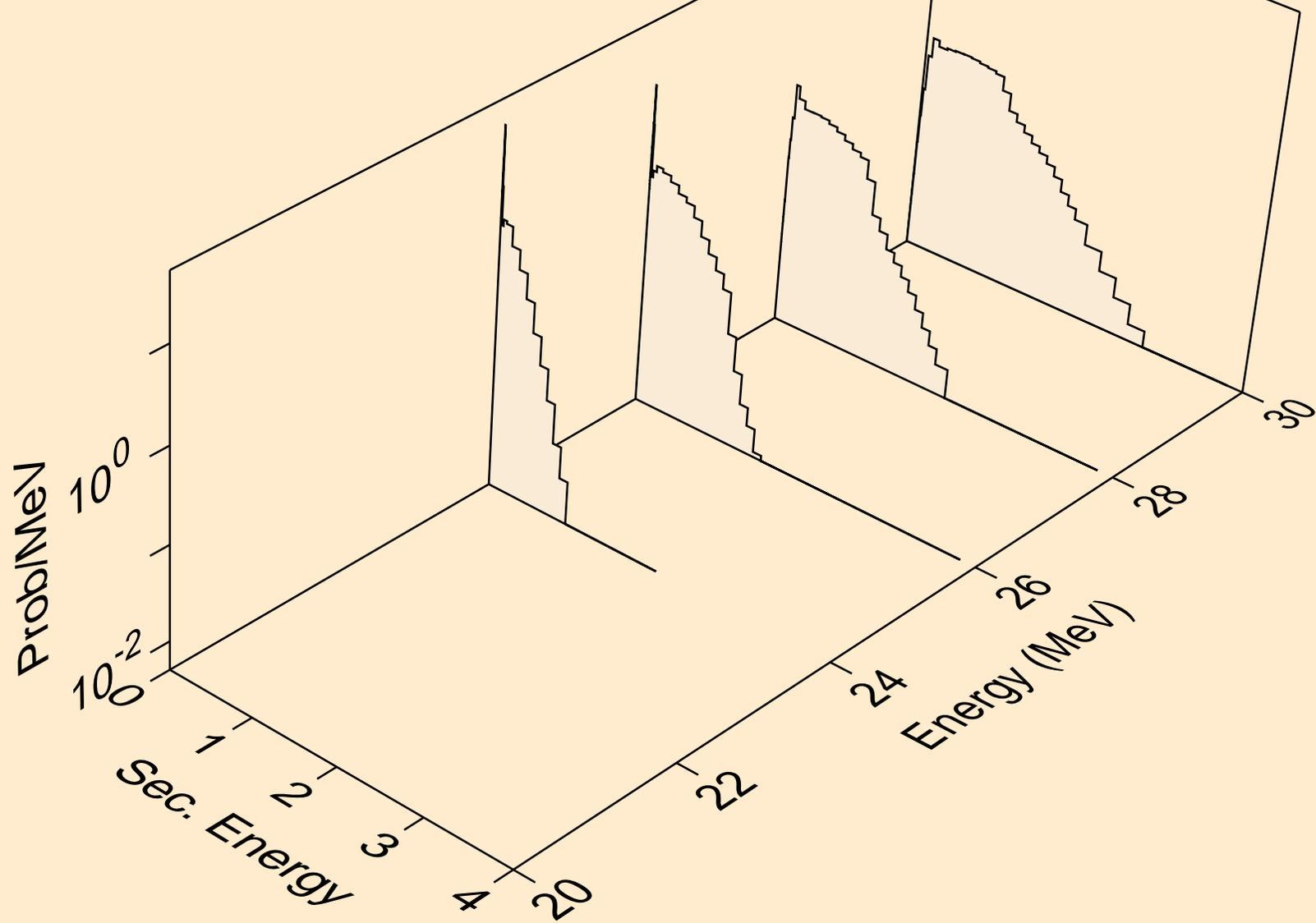
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)d



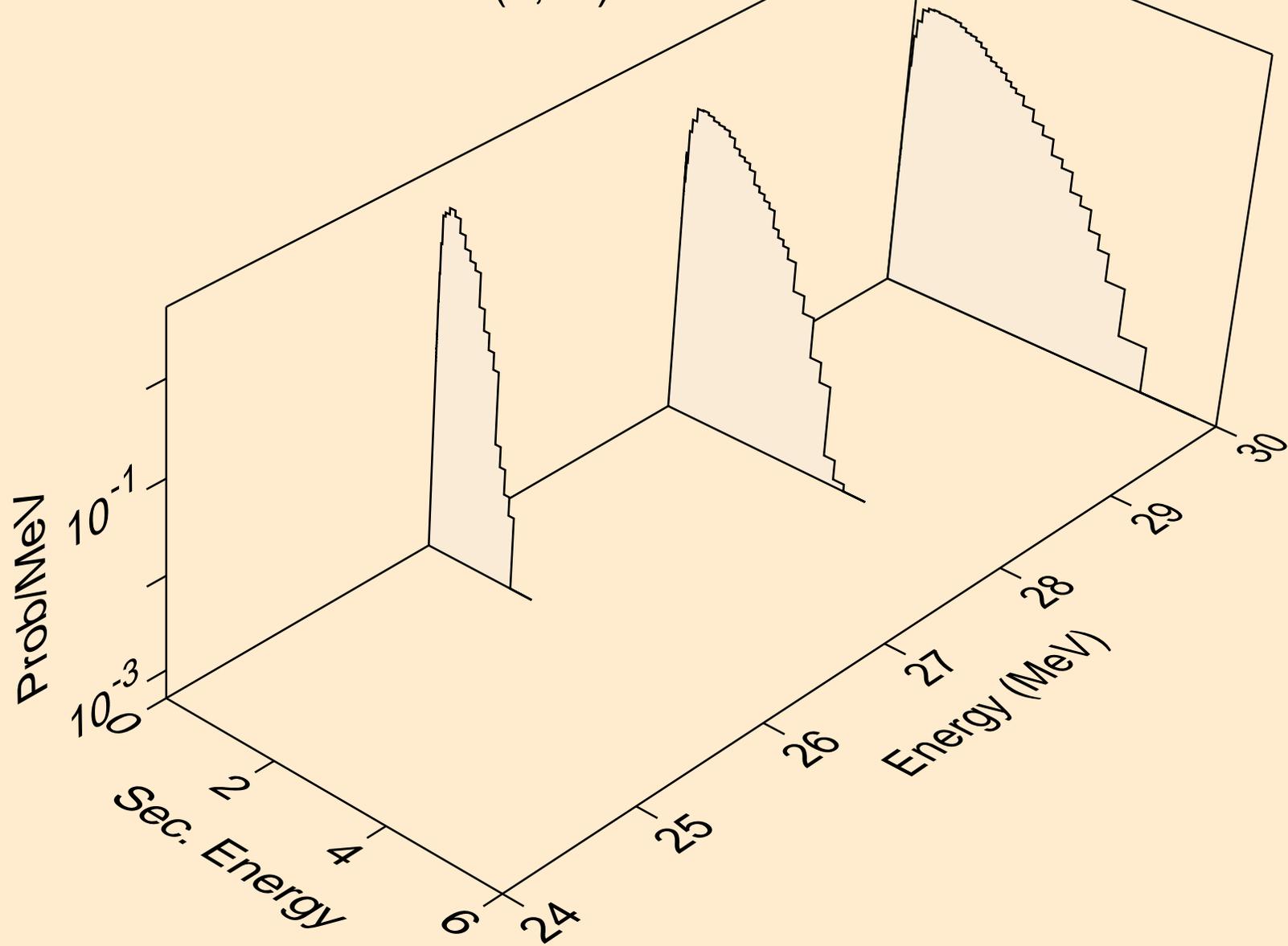
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)t



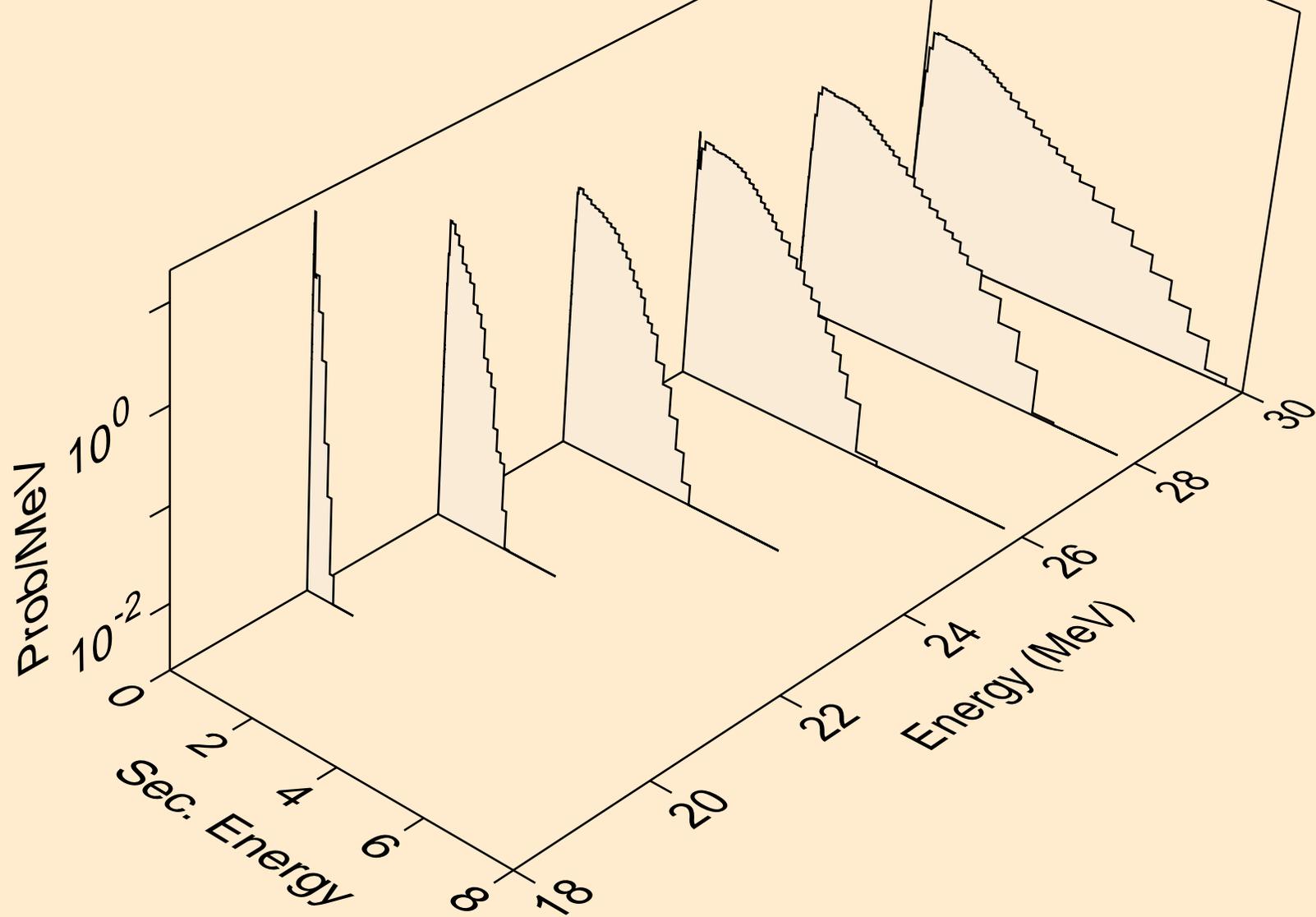
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)he3



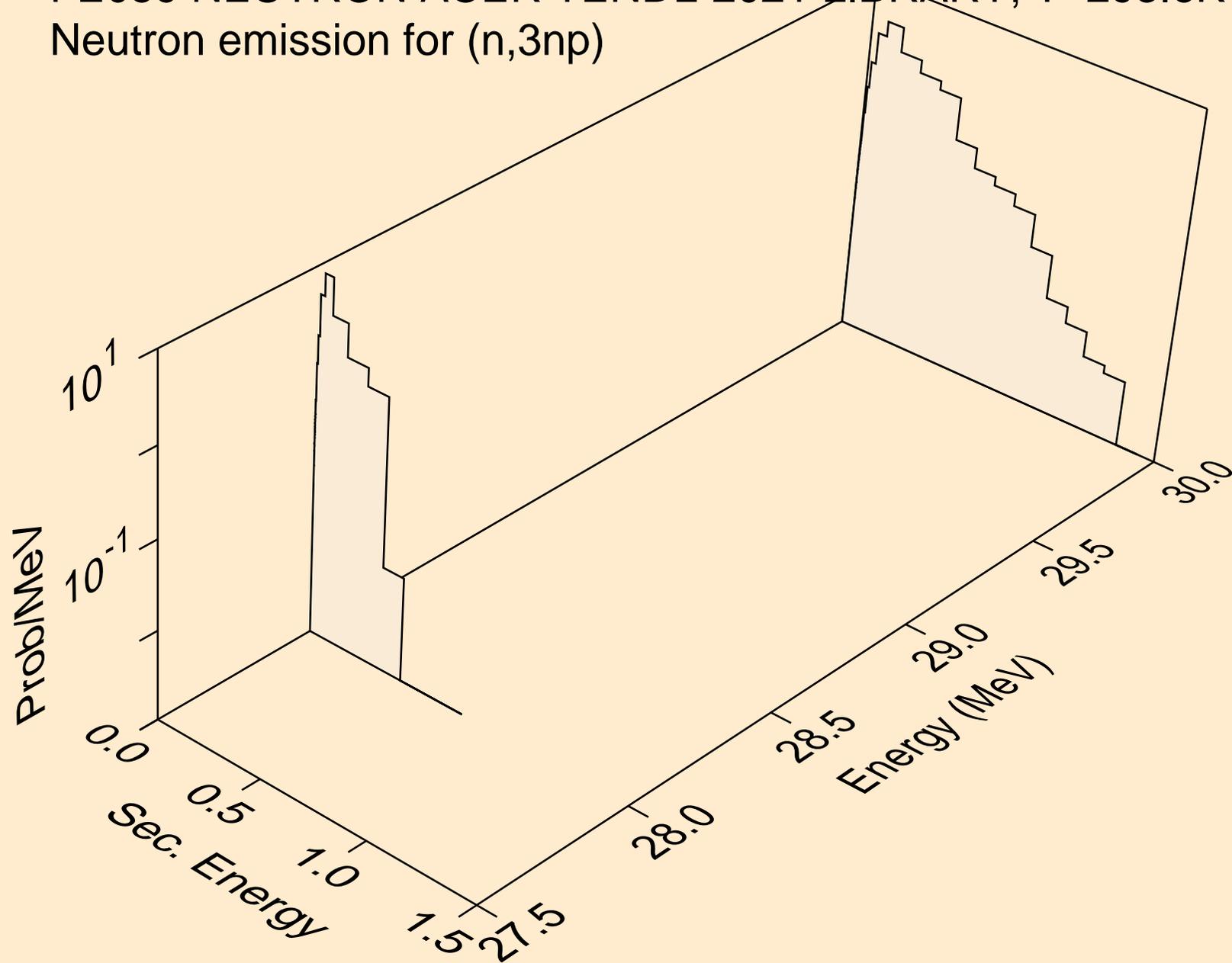
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,4n)



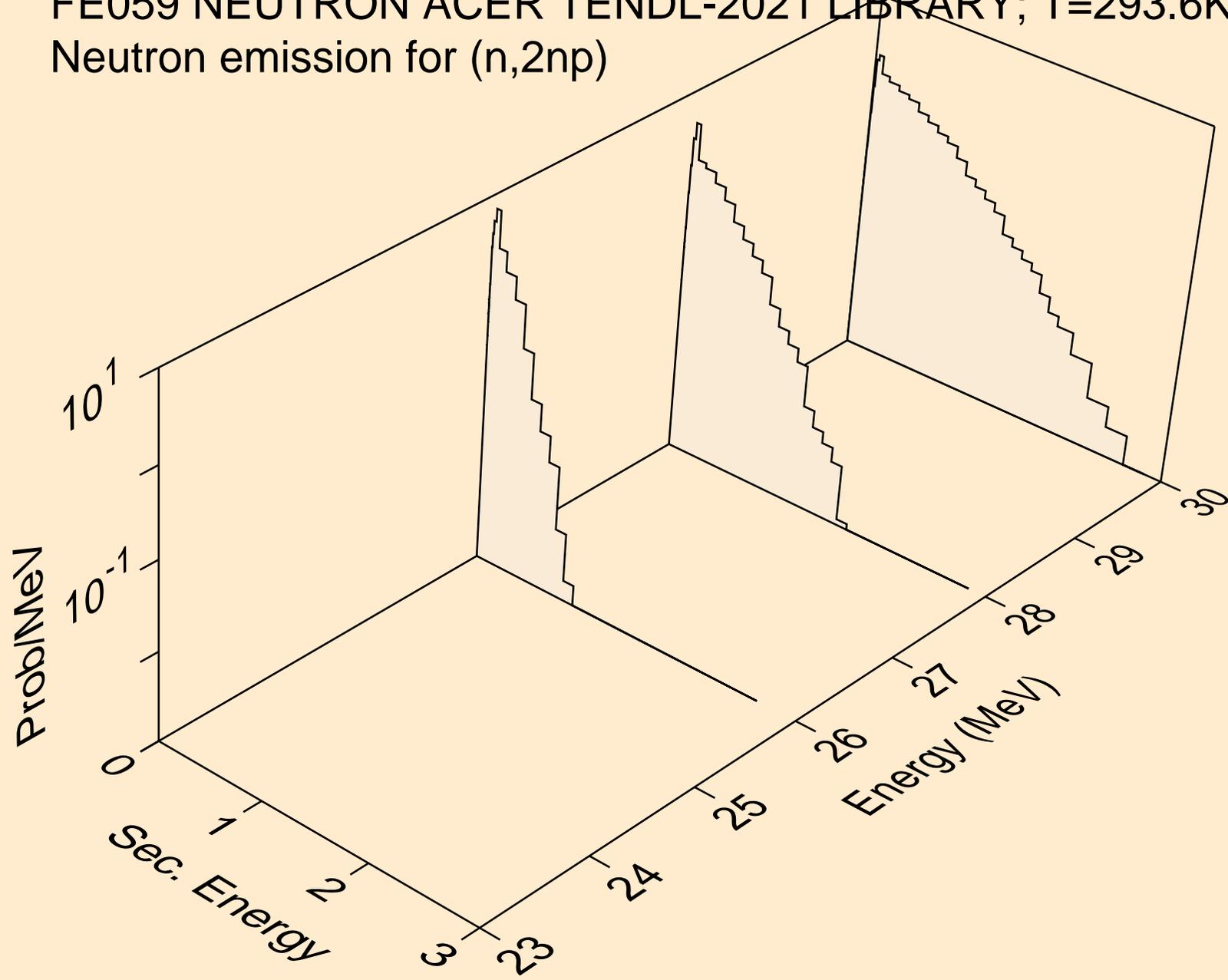
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2np)



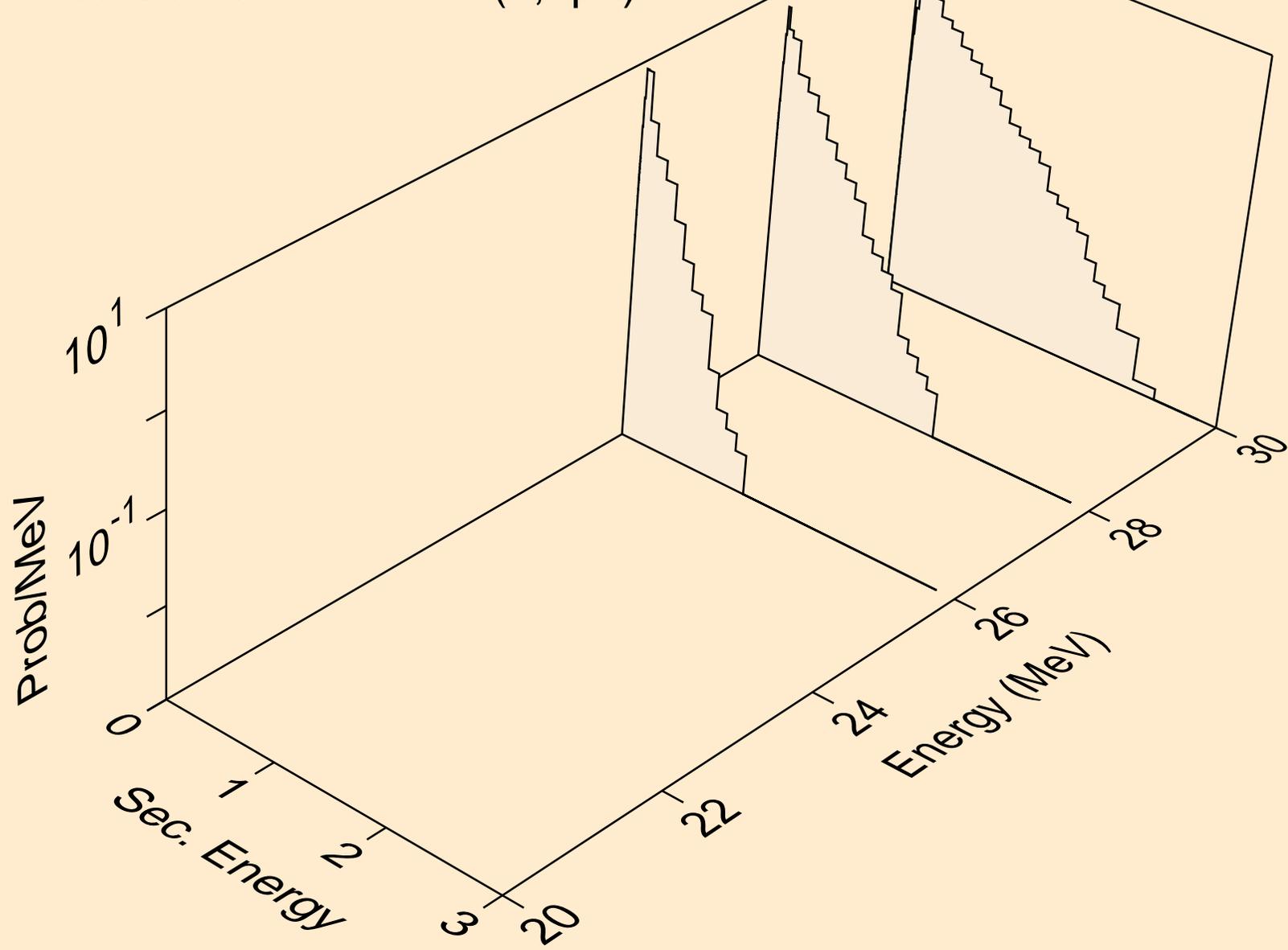
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3np)



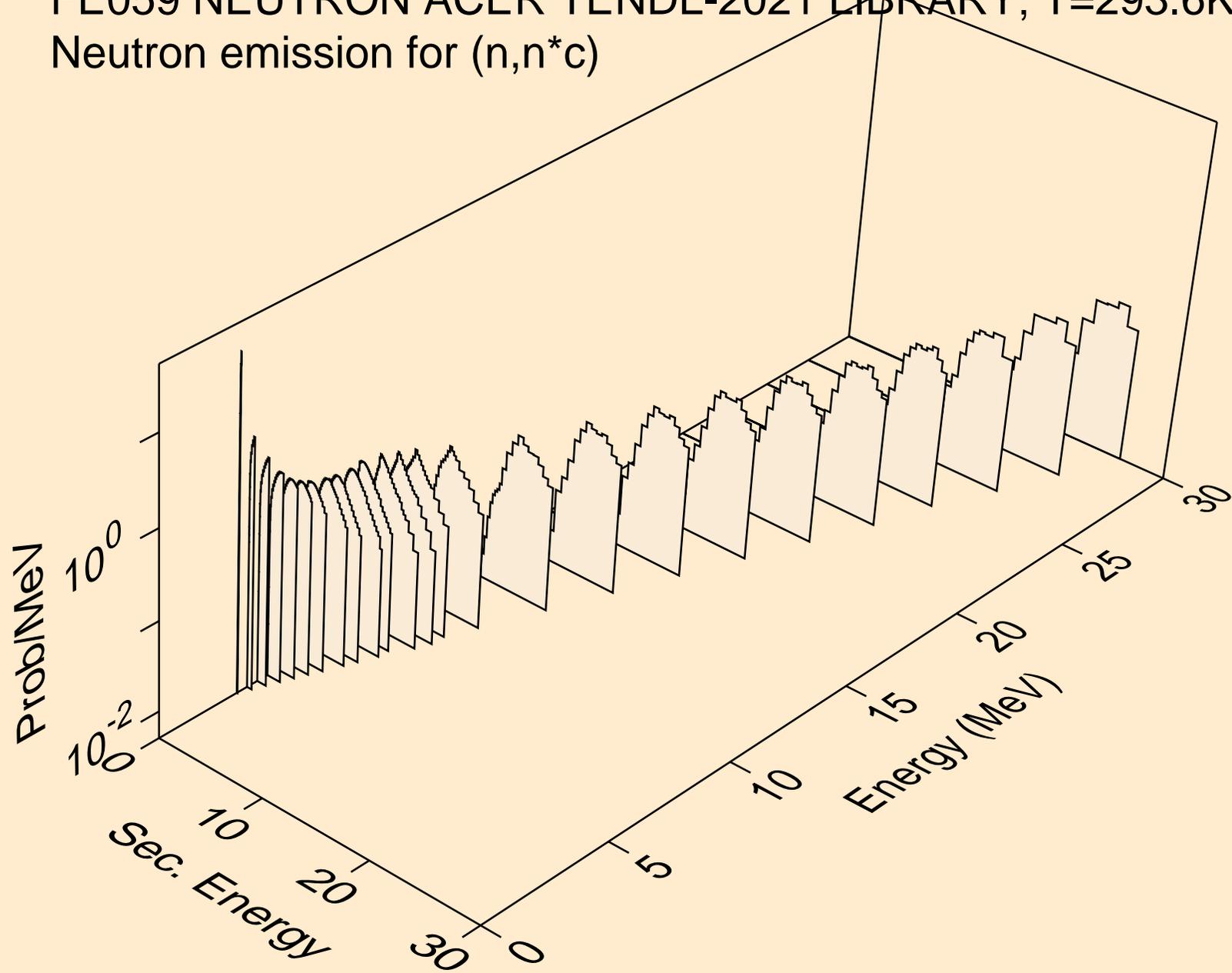
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2np)



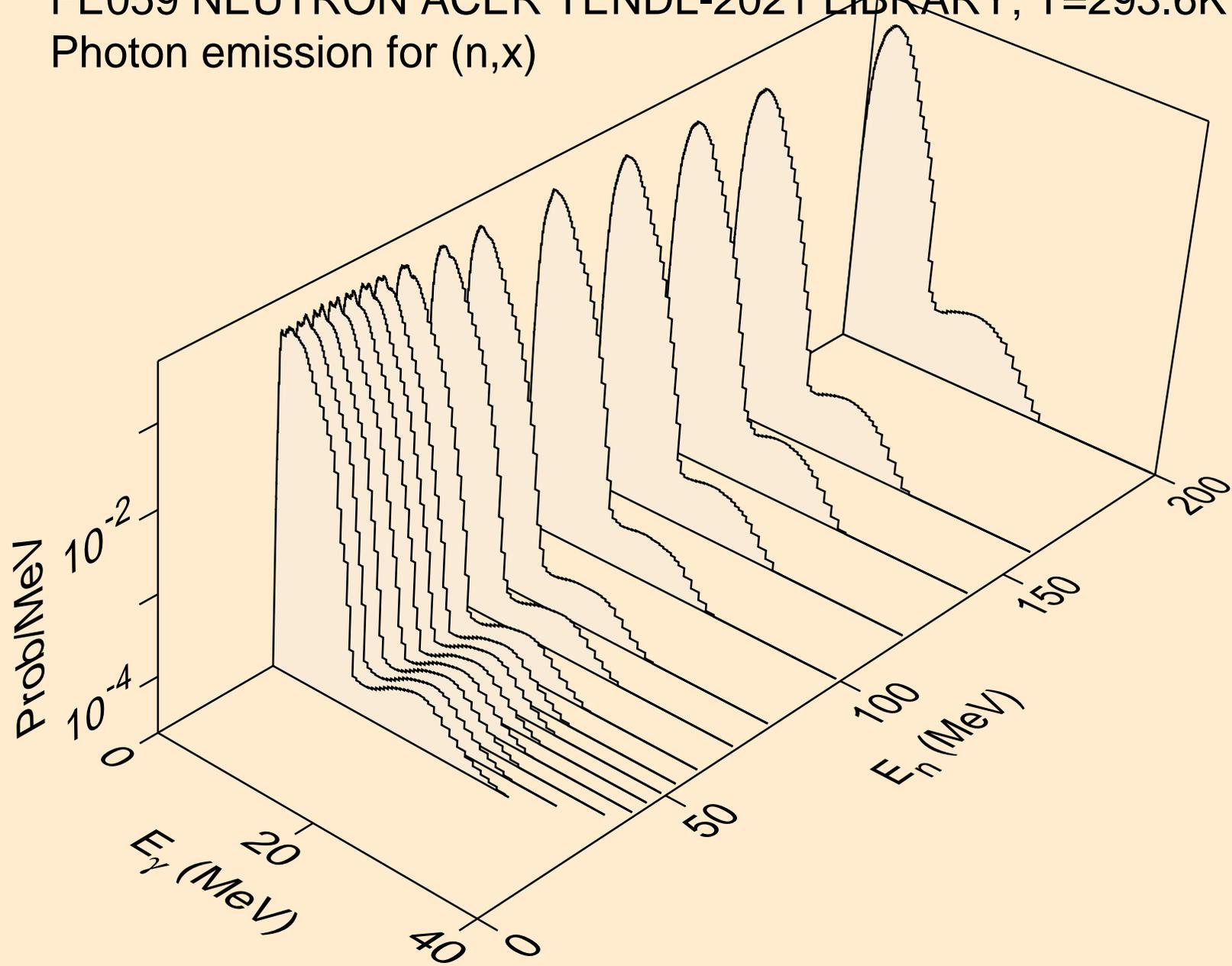
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,npa)



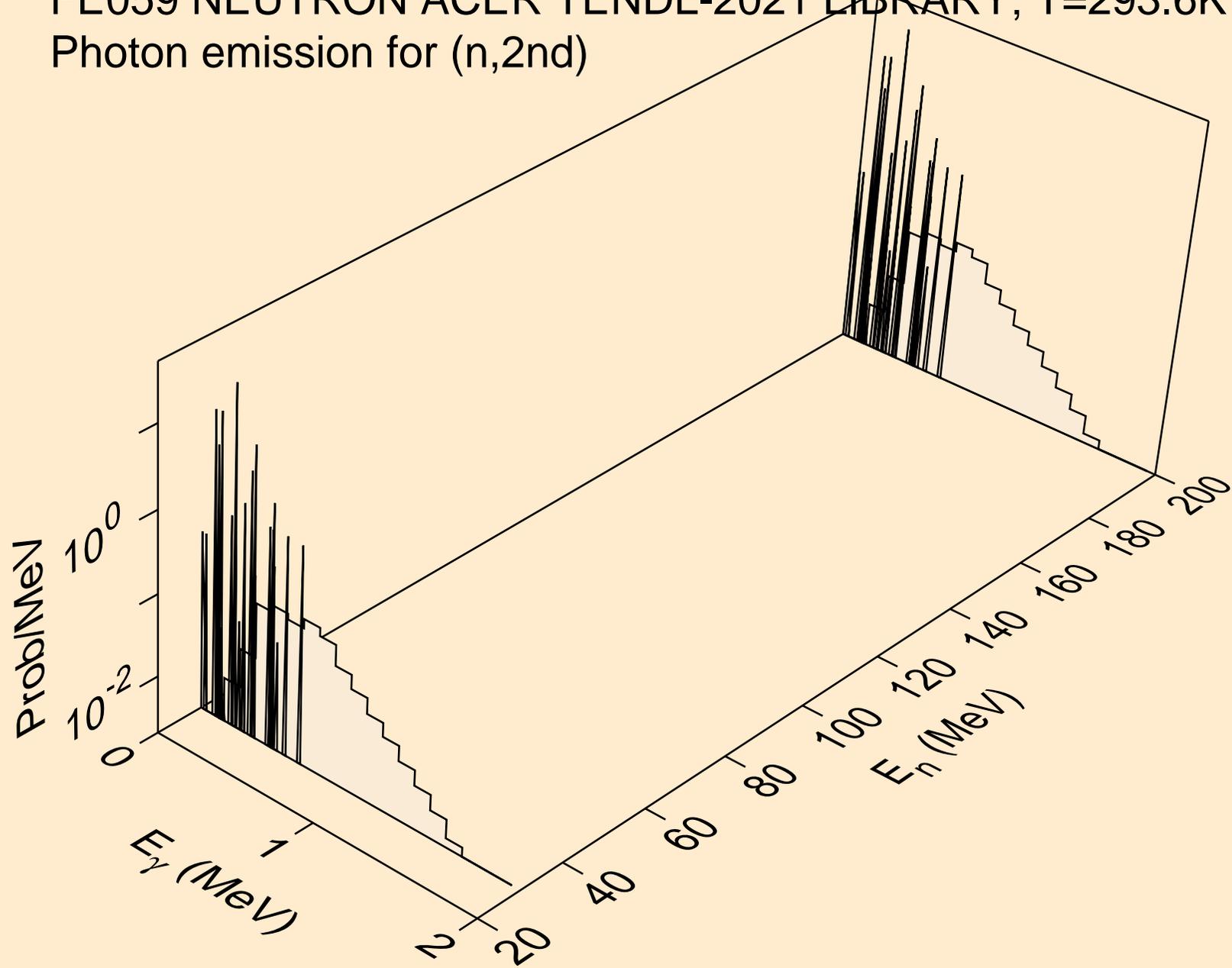
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*c)



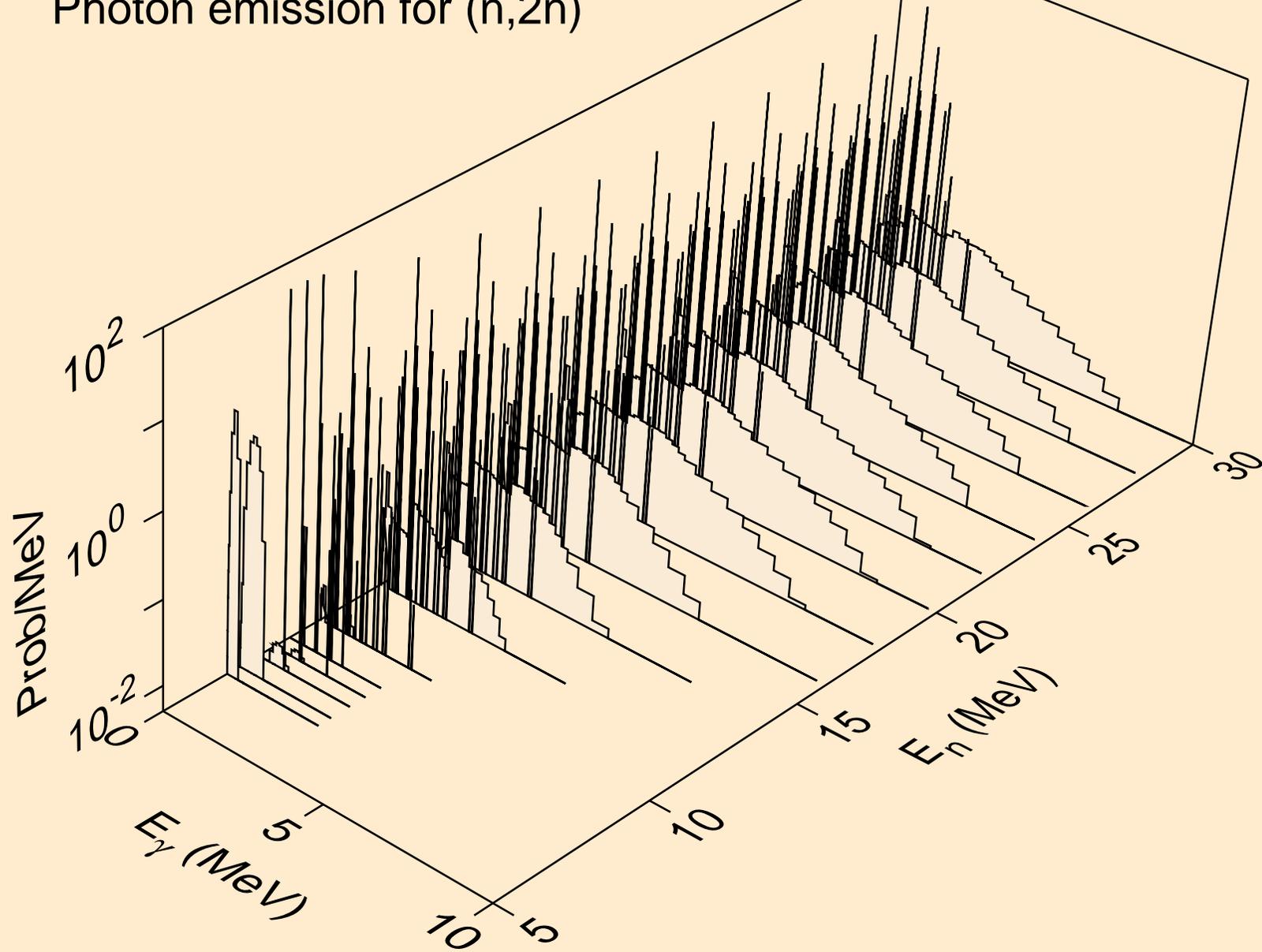
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,x)



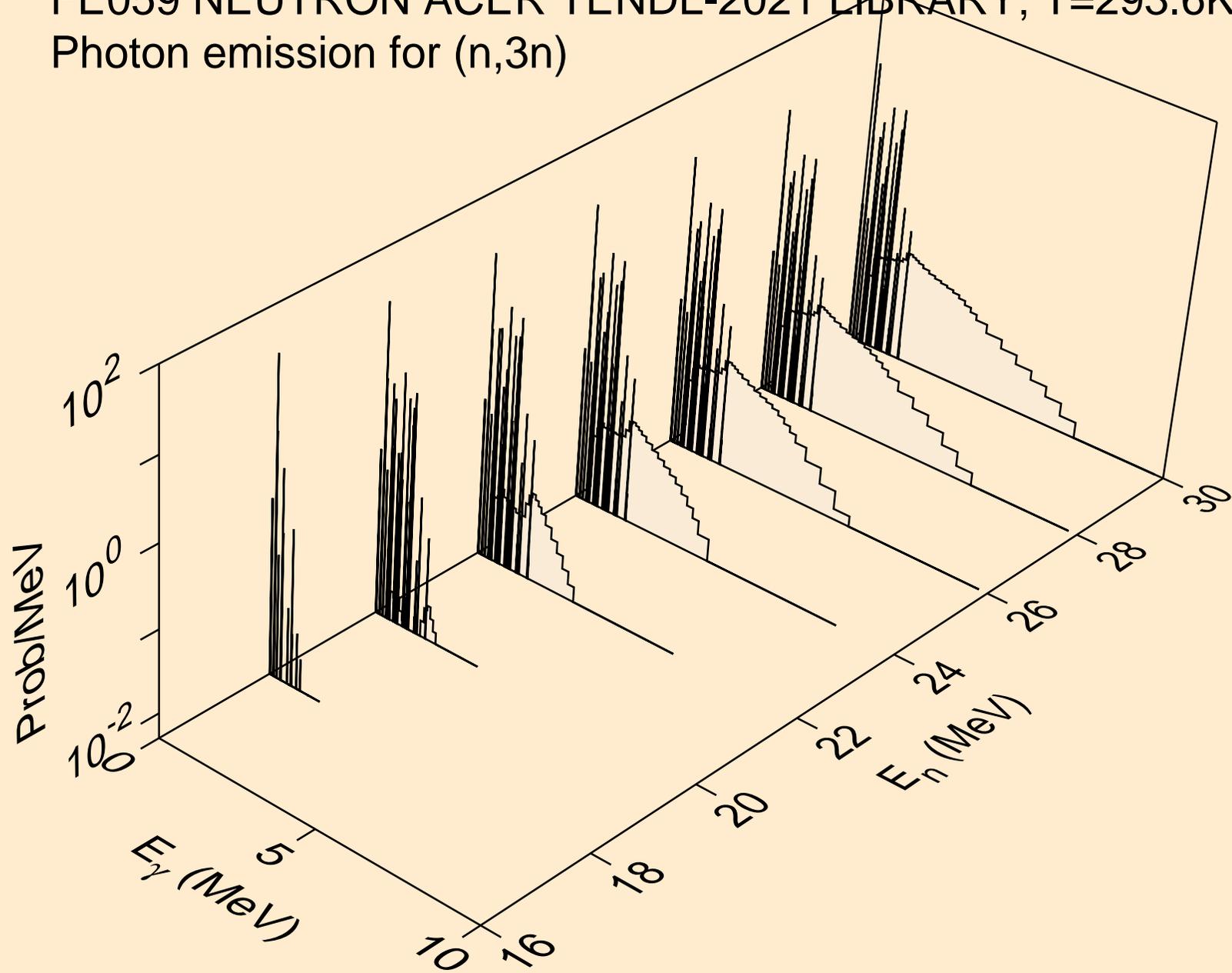
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2nd)



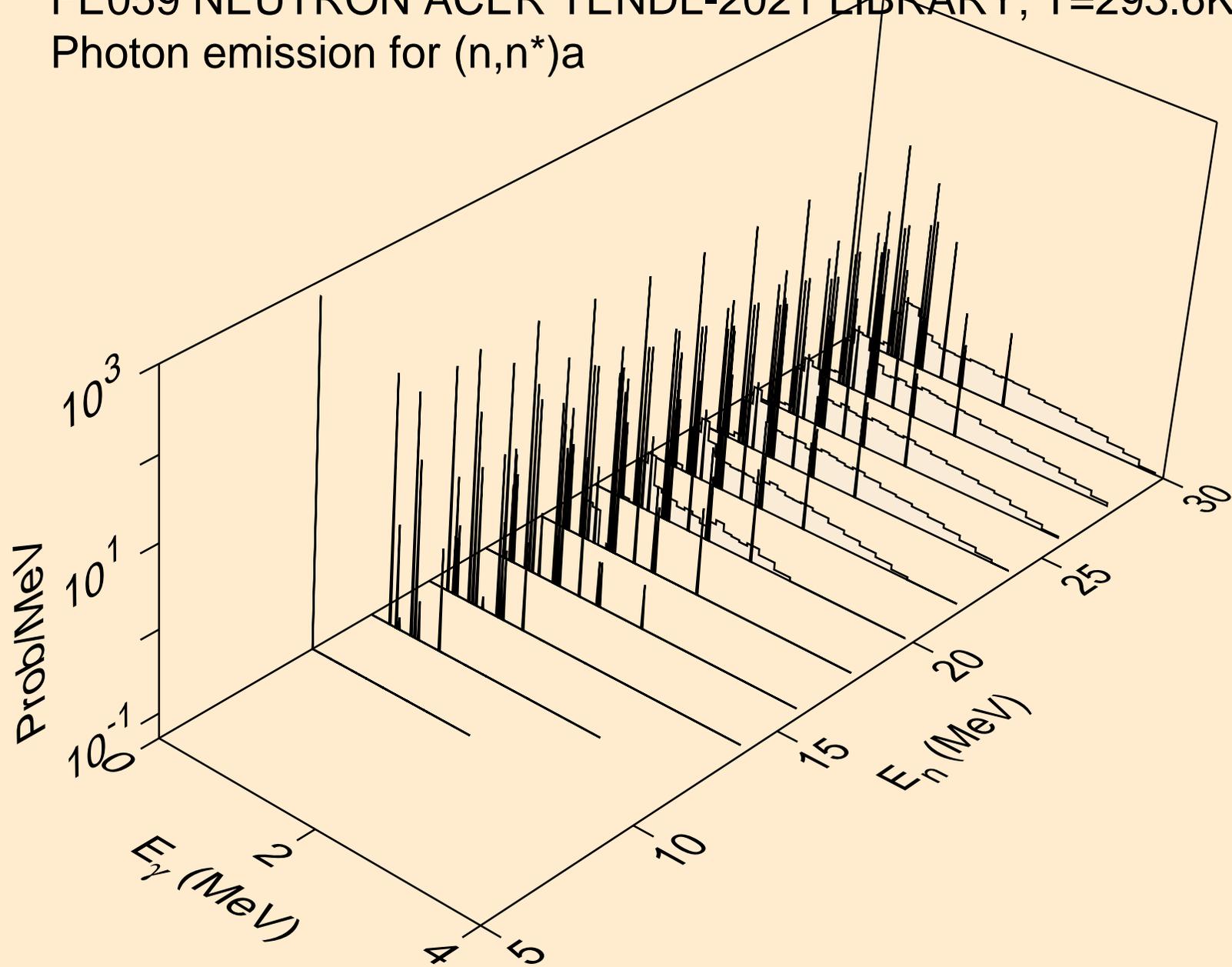
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2n)



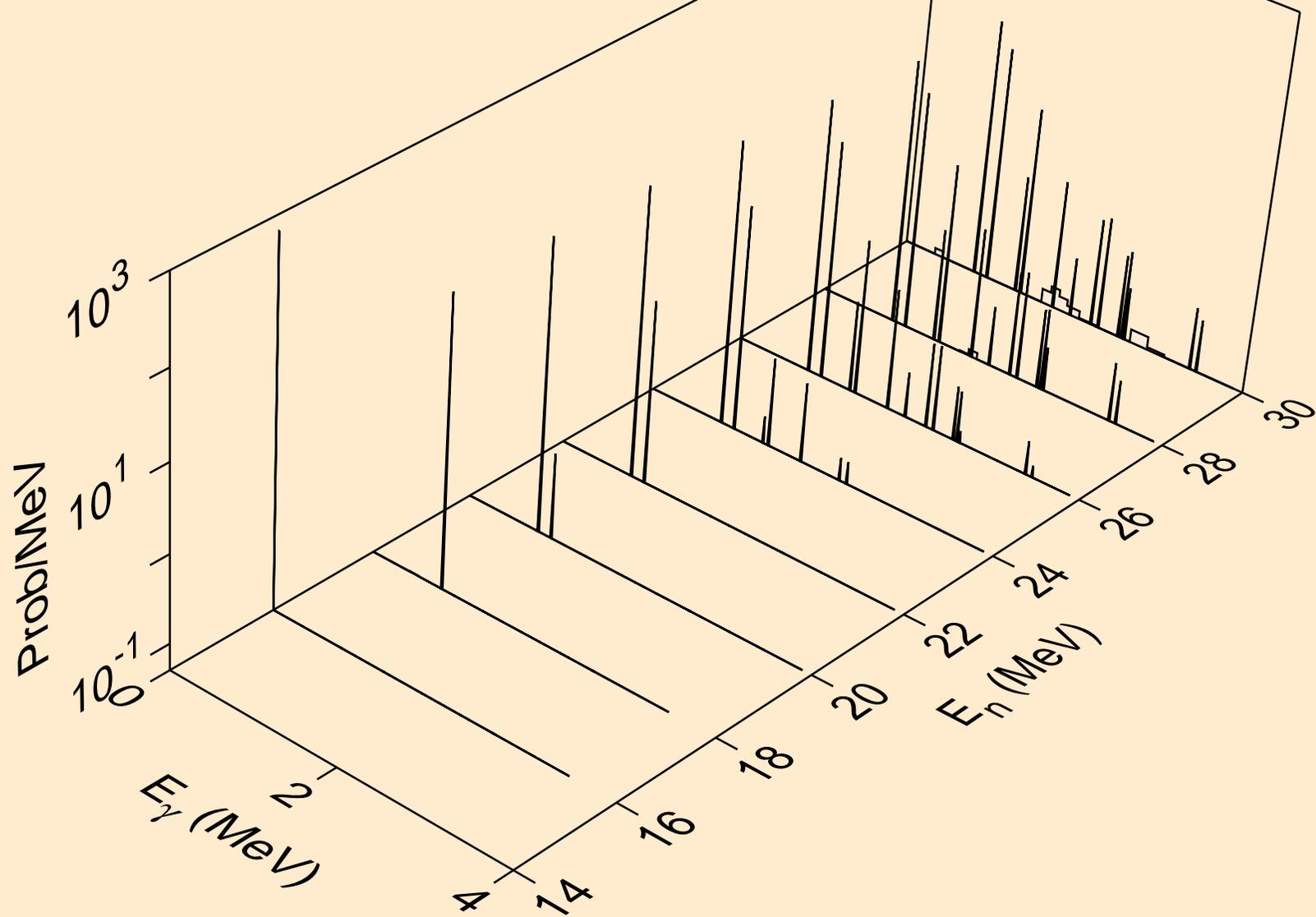
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3n)



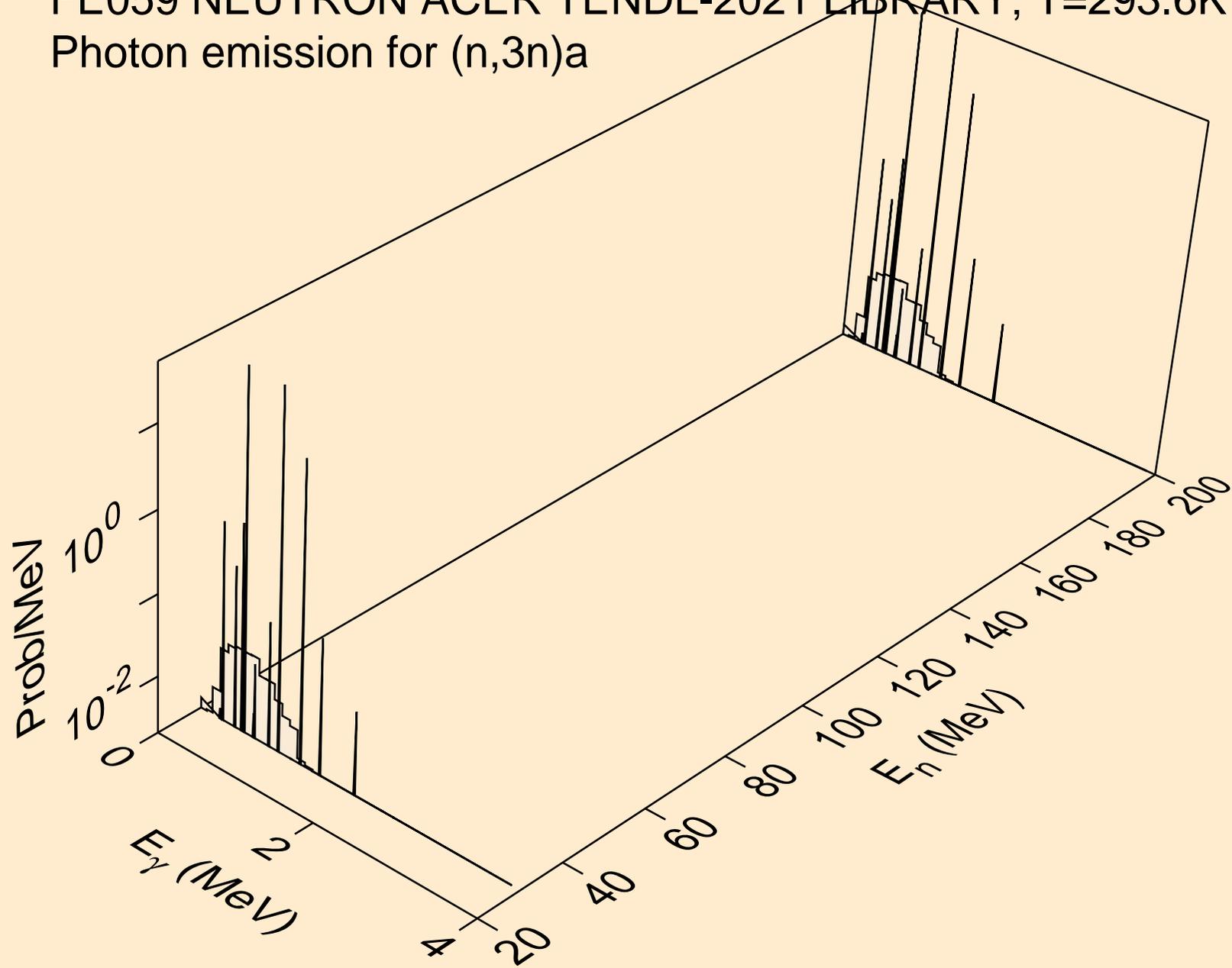
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)a



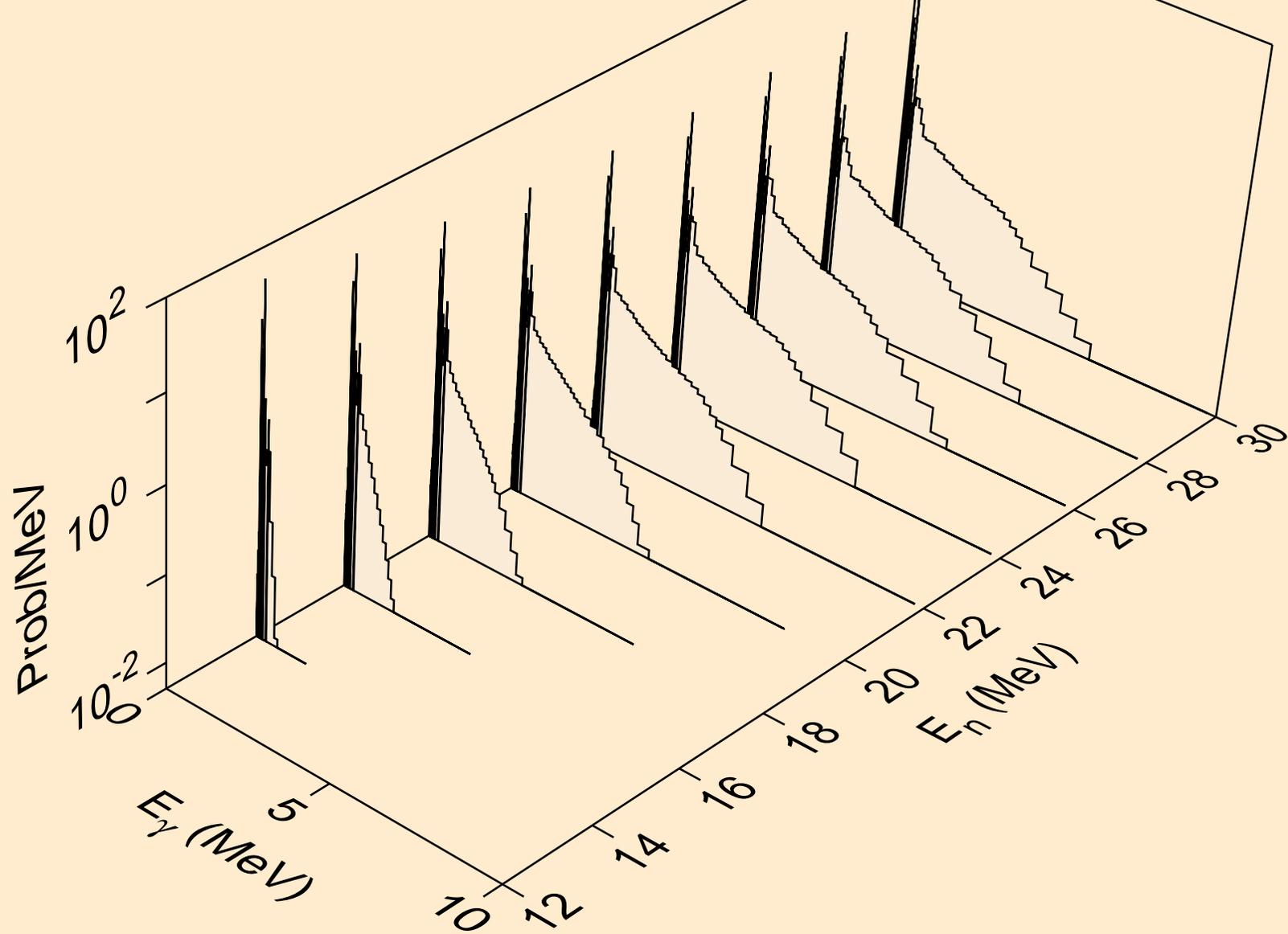
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2n)a



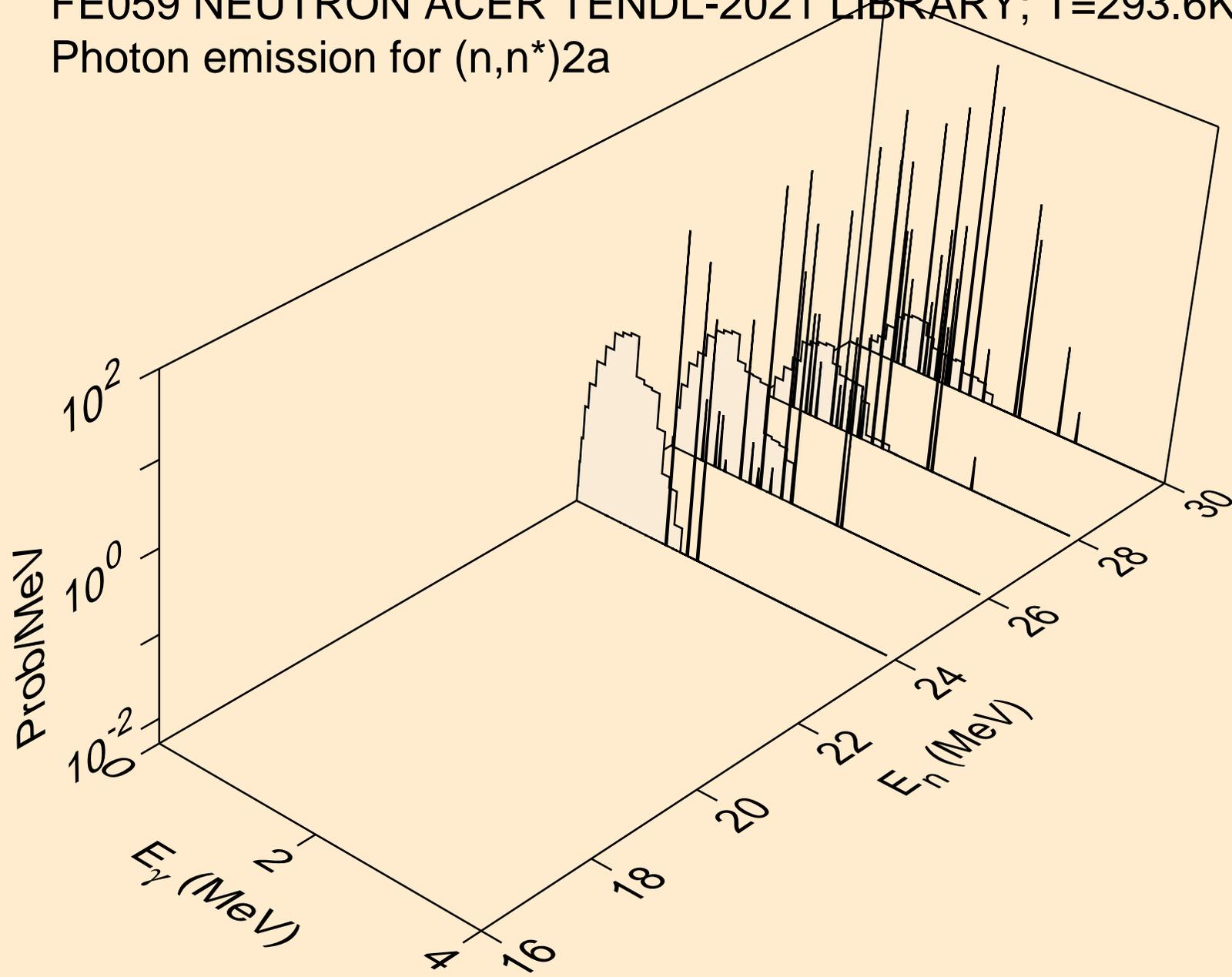
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3n)a



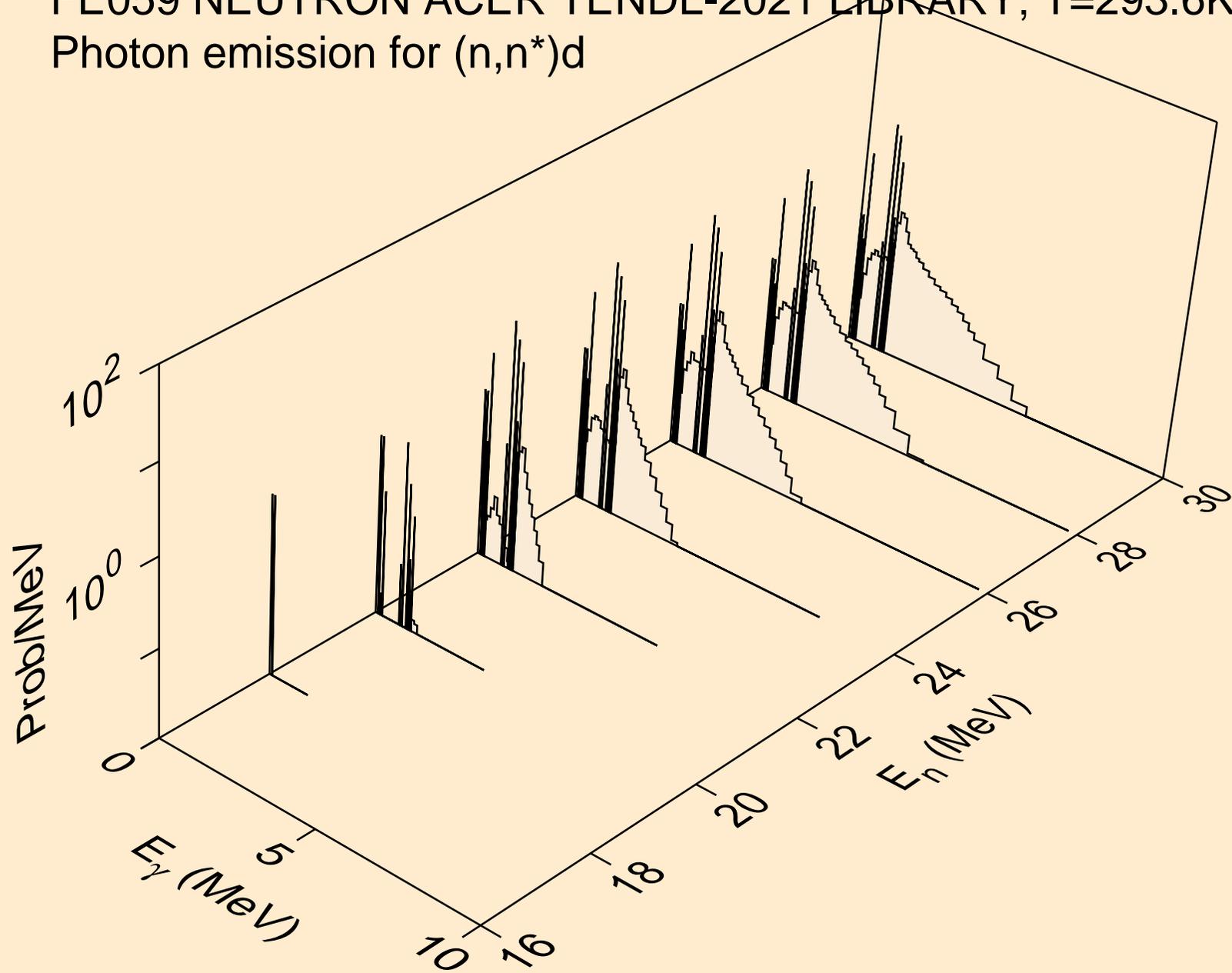
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)p



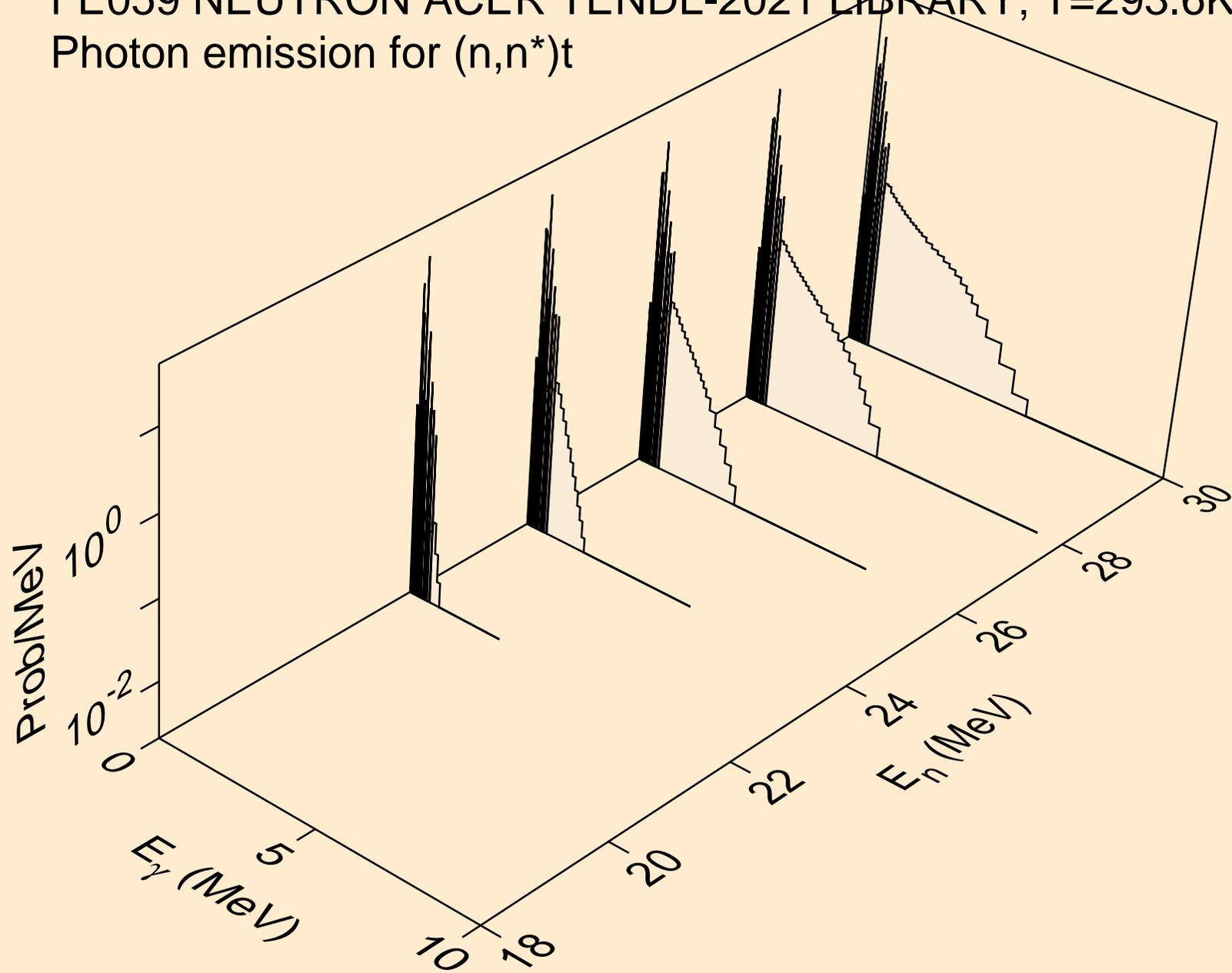
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)2a



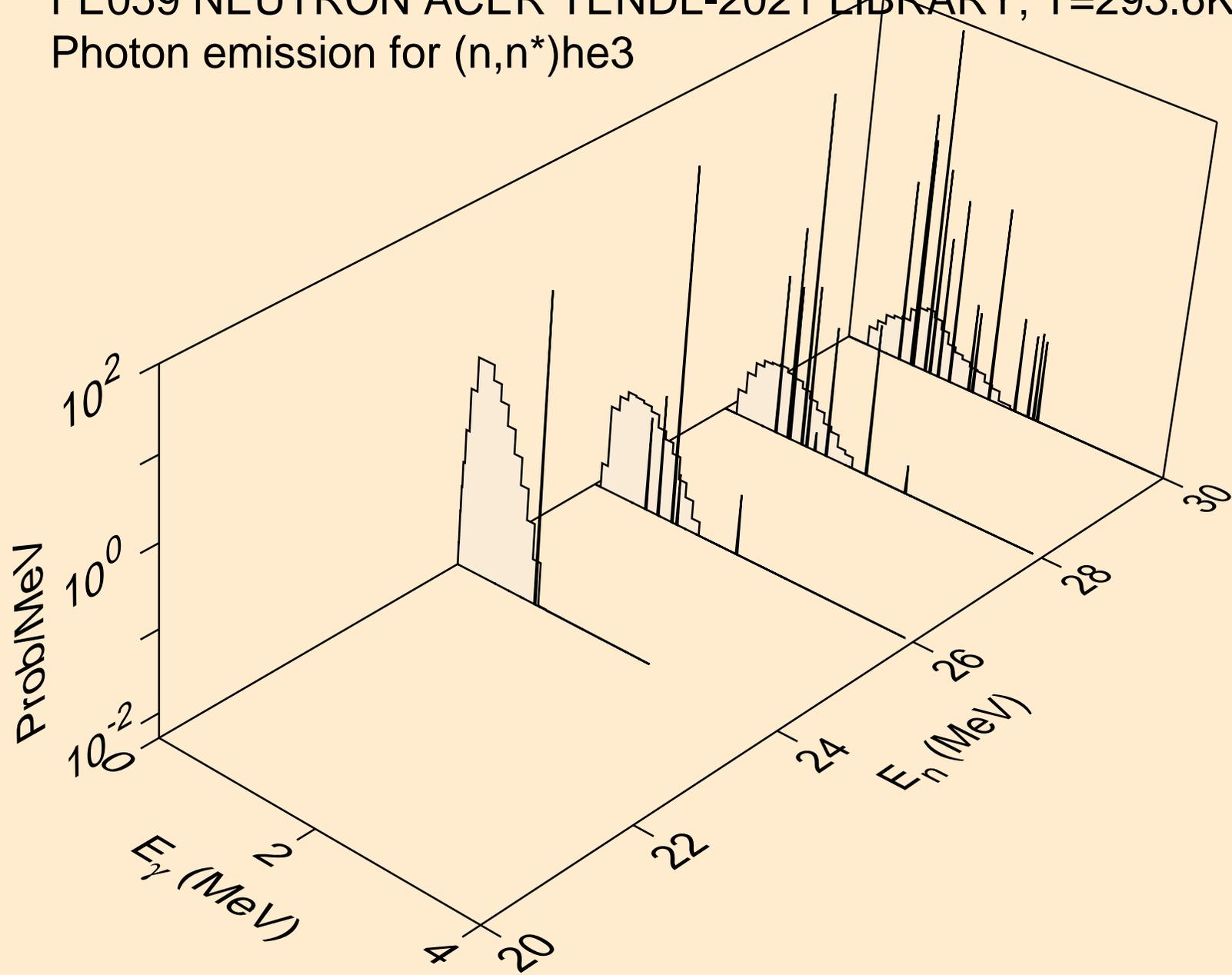
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)d



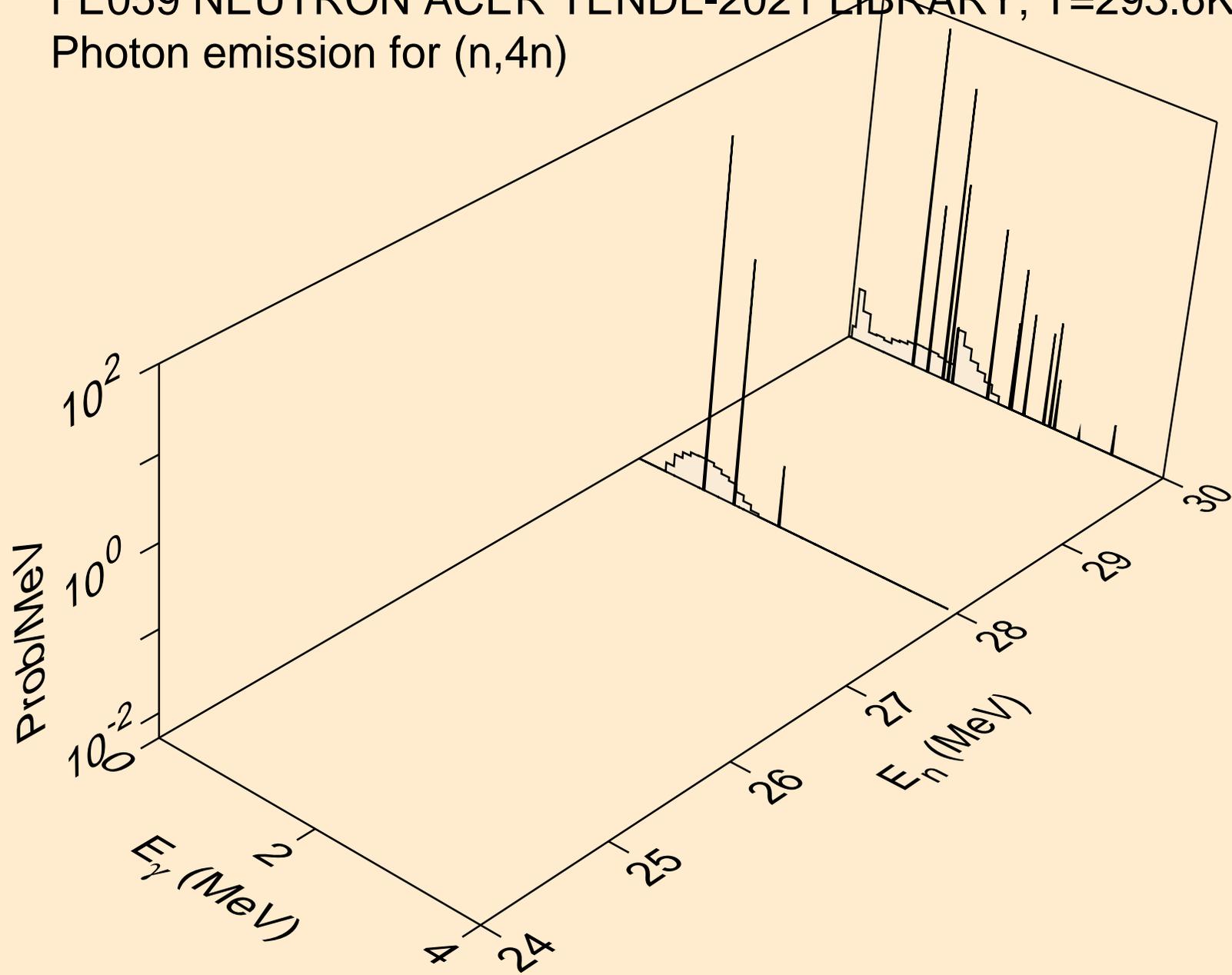
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)t



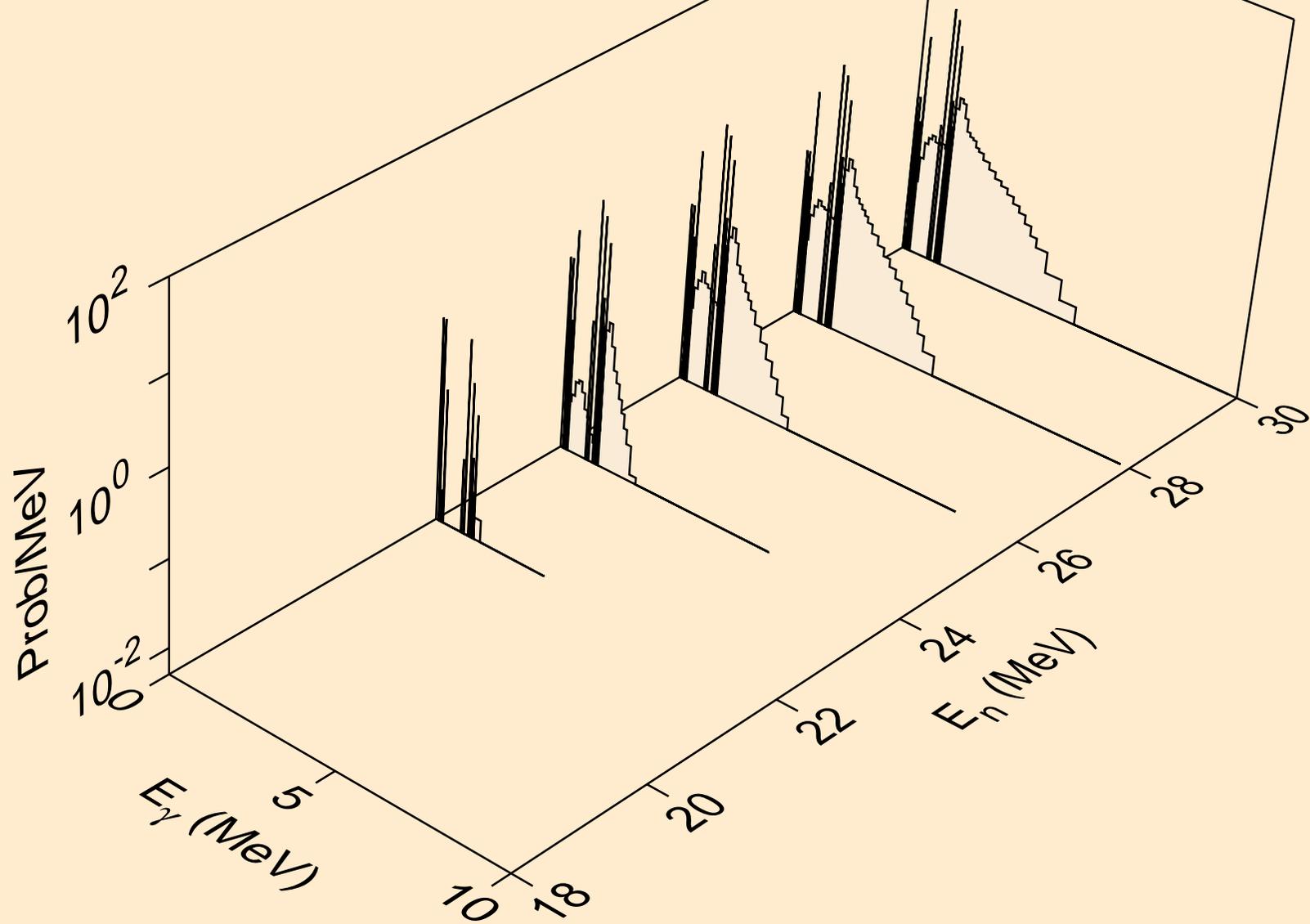
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)he3



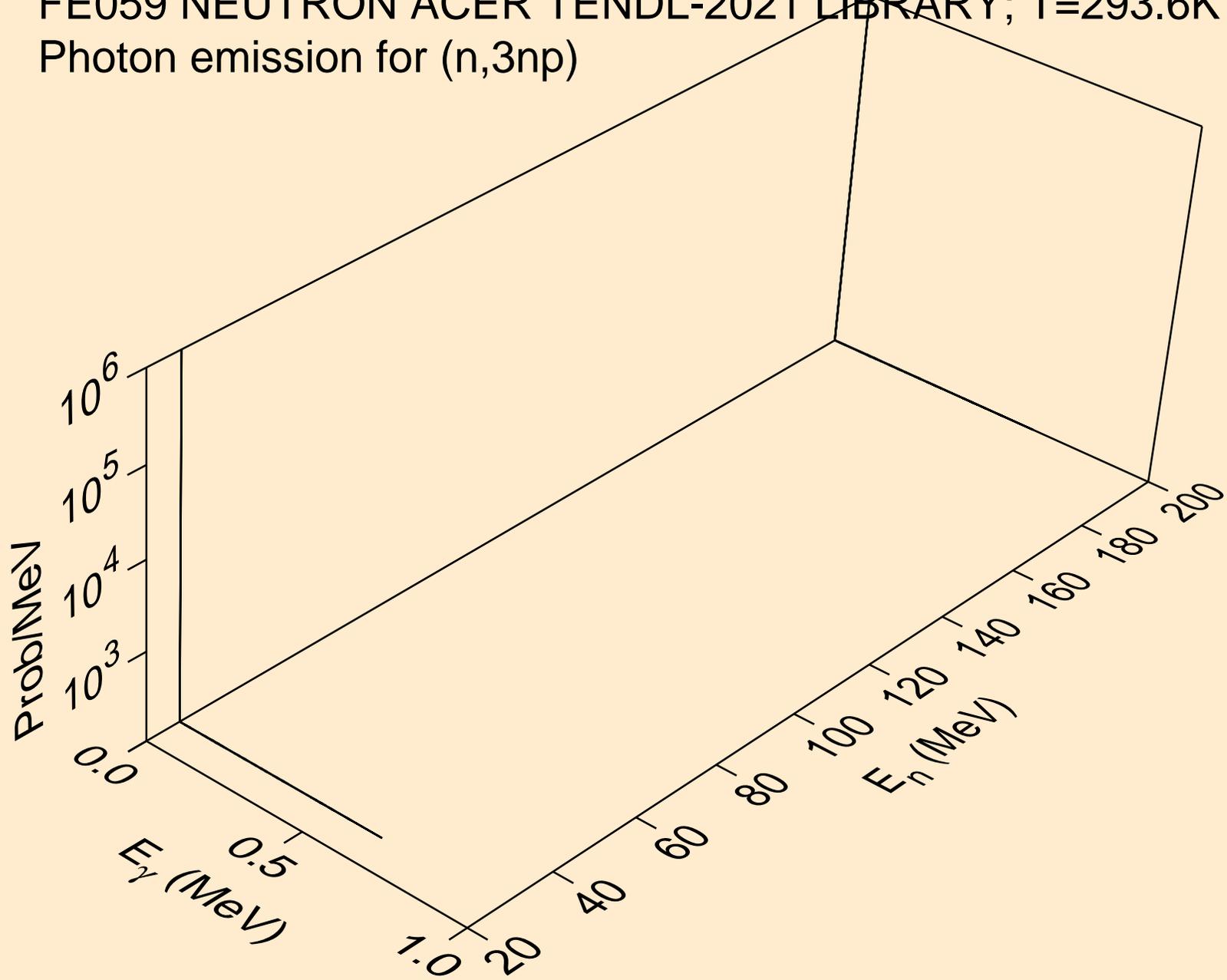
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,4n)



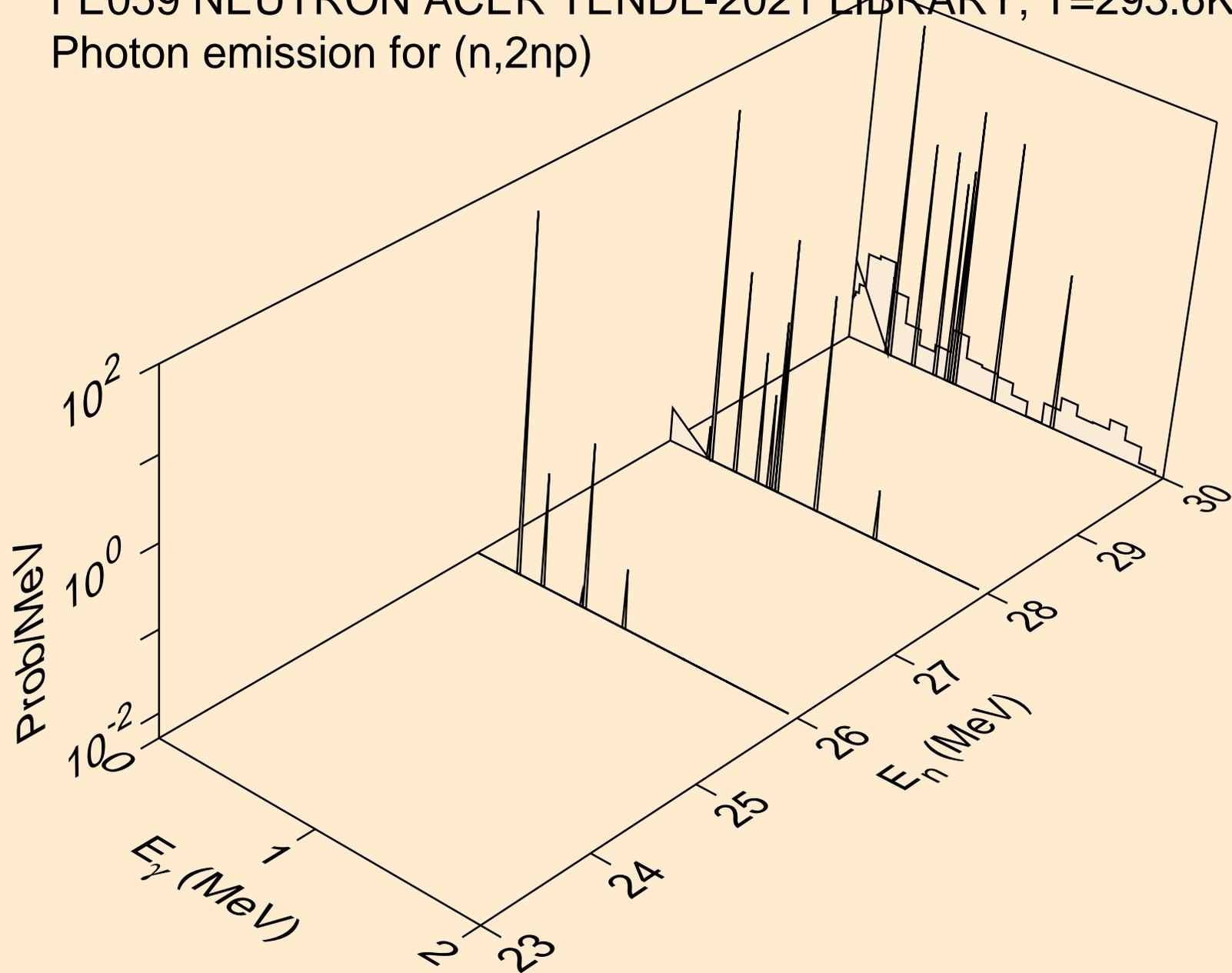
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2np)



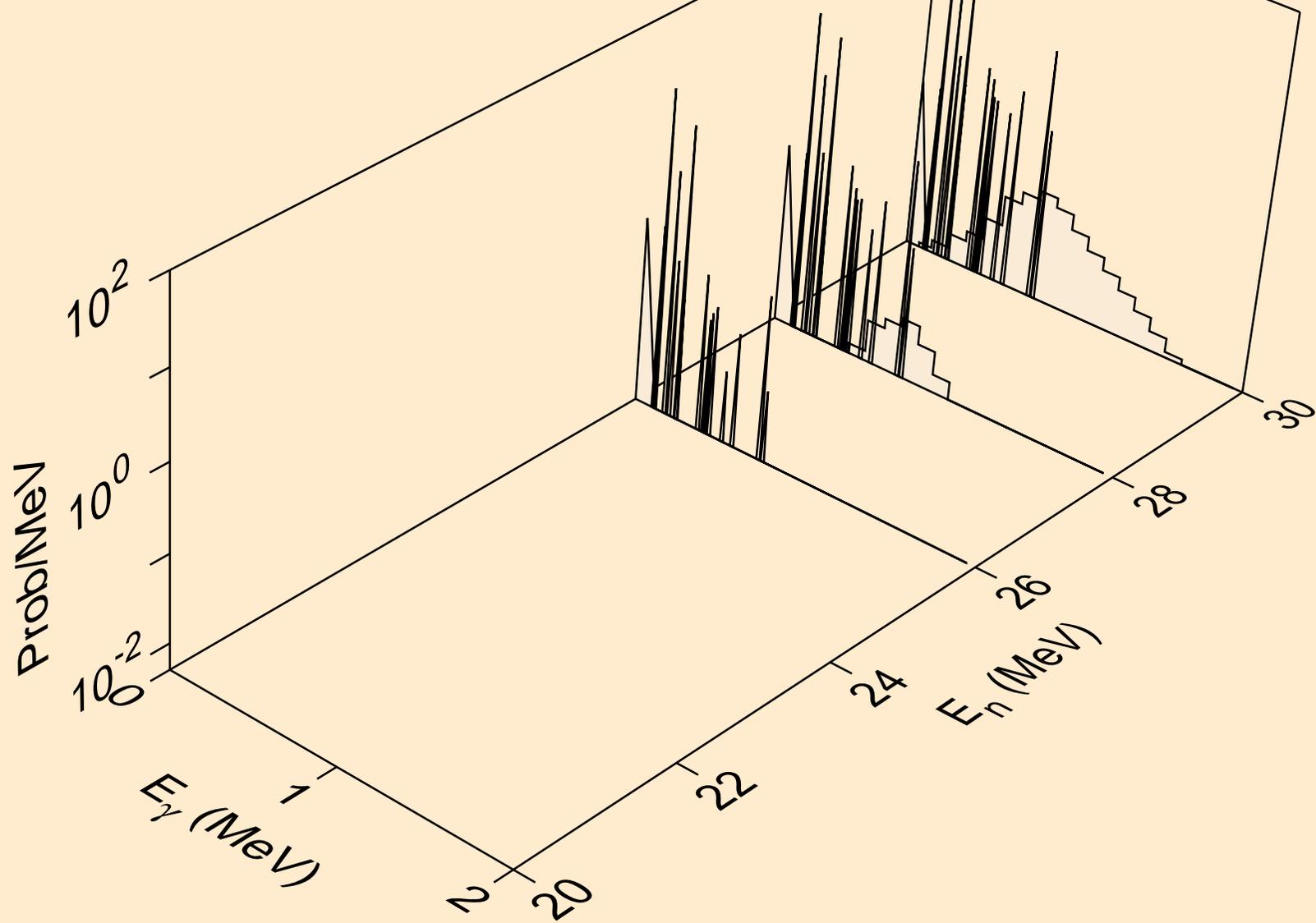
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3np)



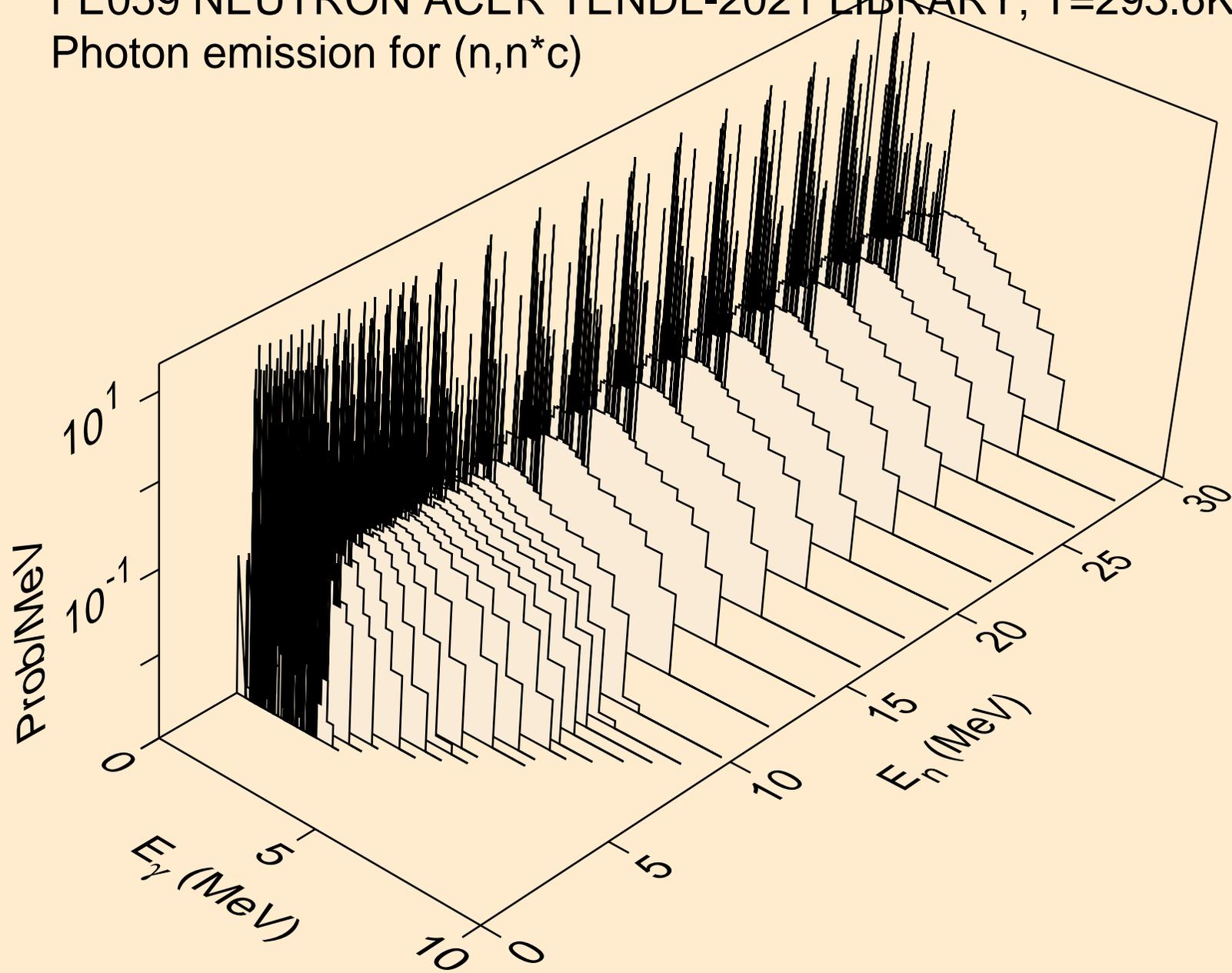
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2np)



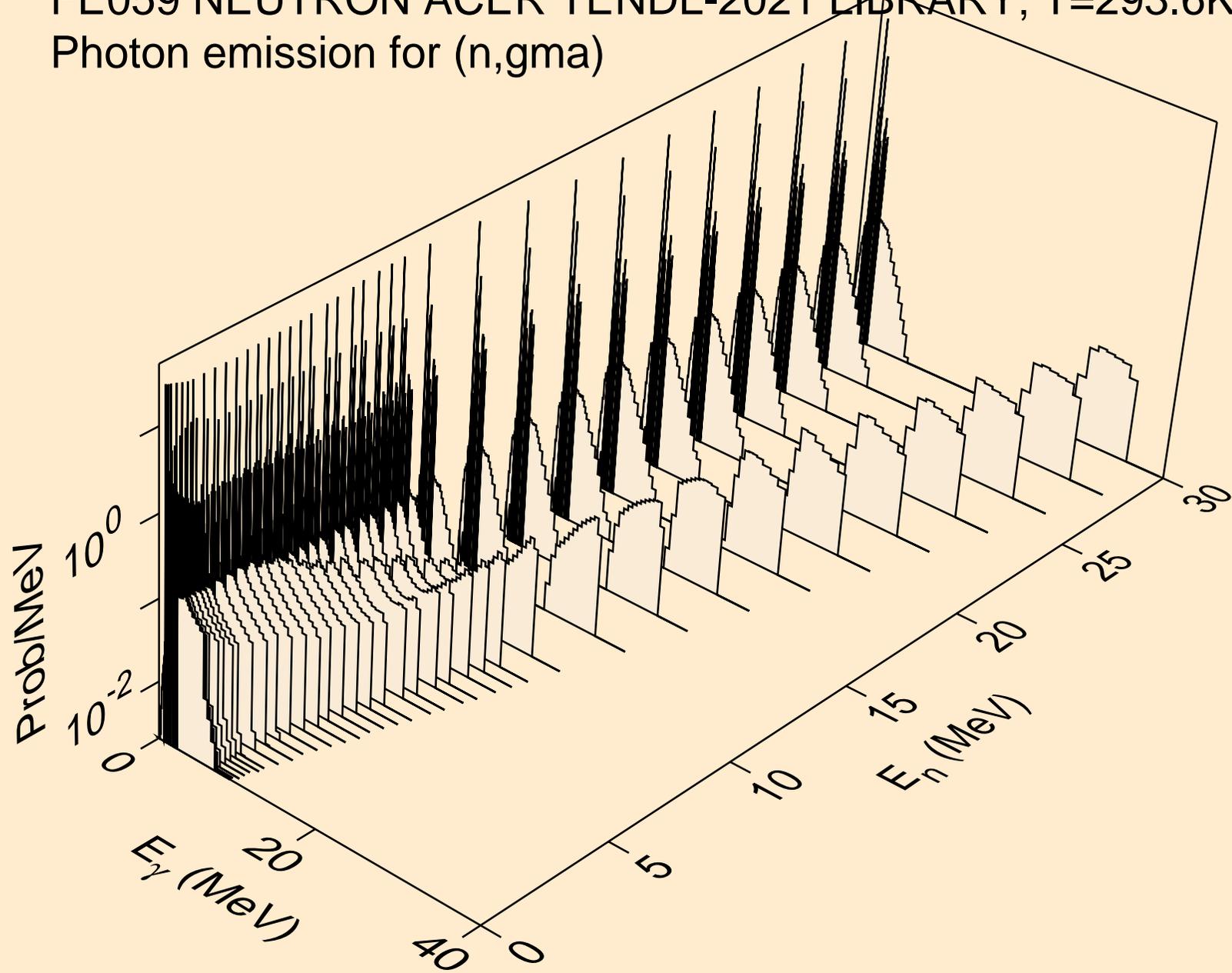
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,npa)



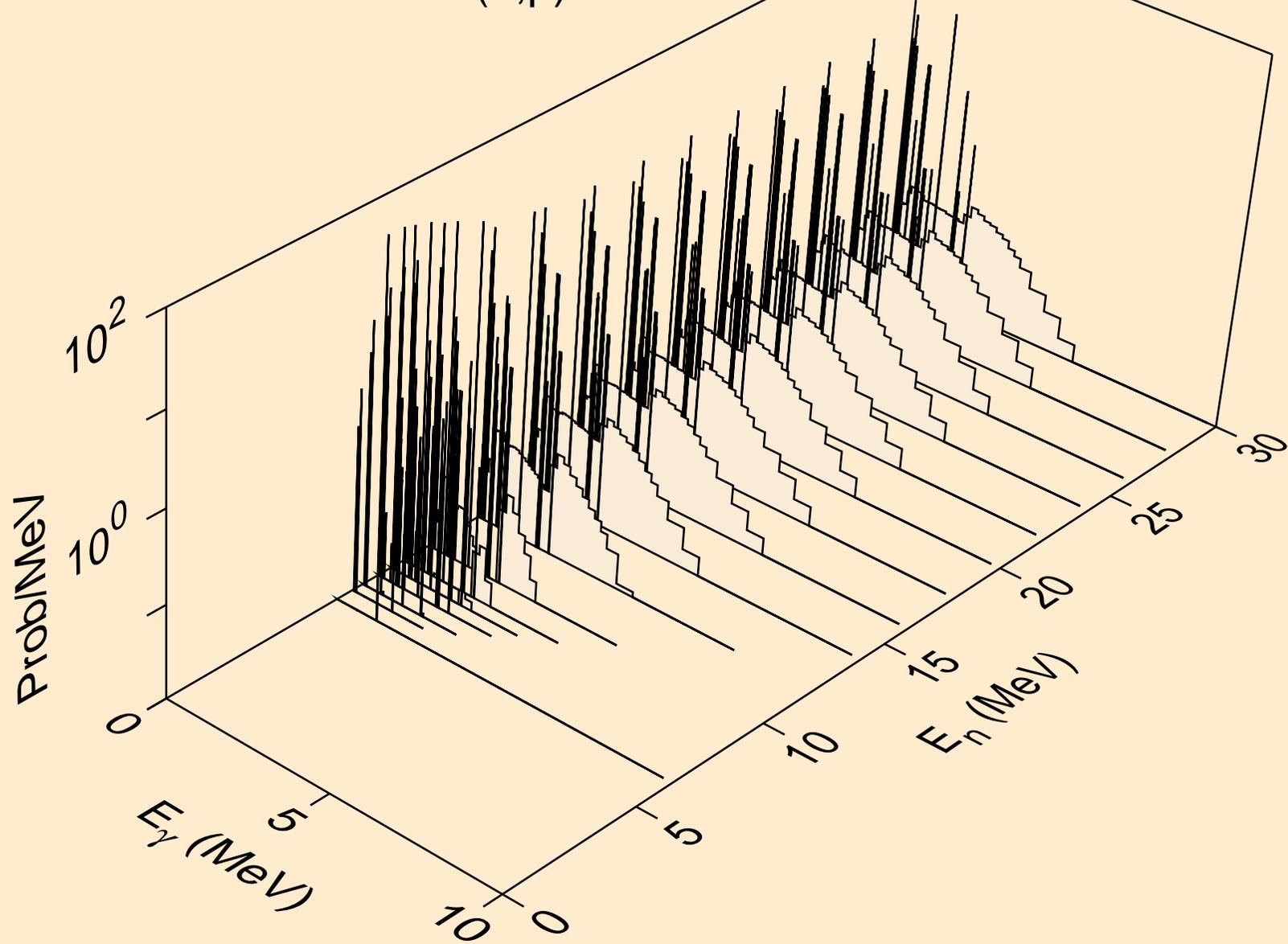
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*c)



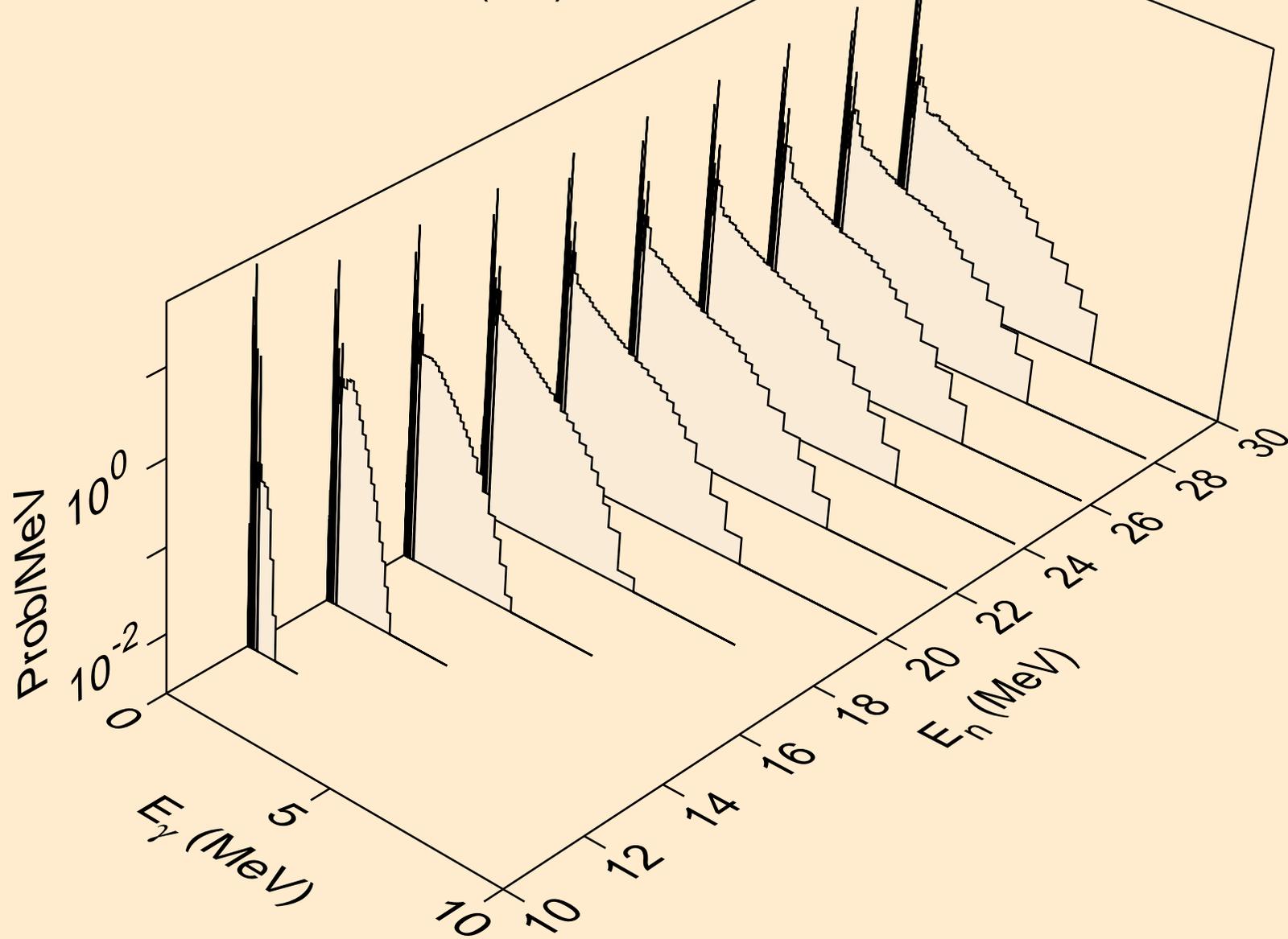
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,gma)



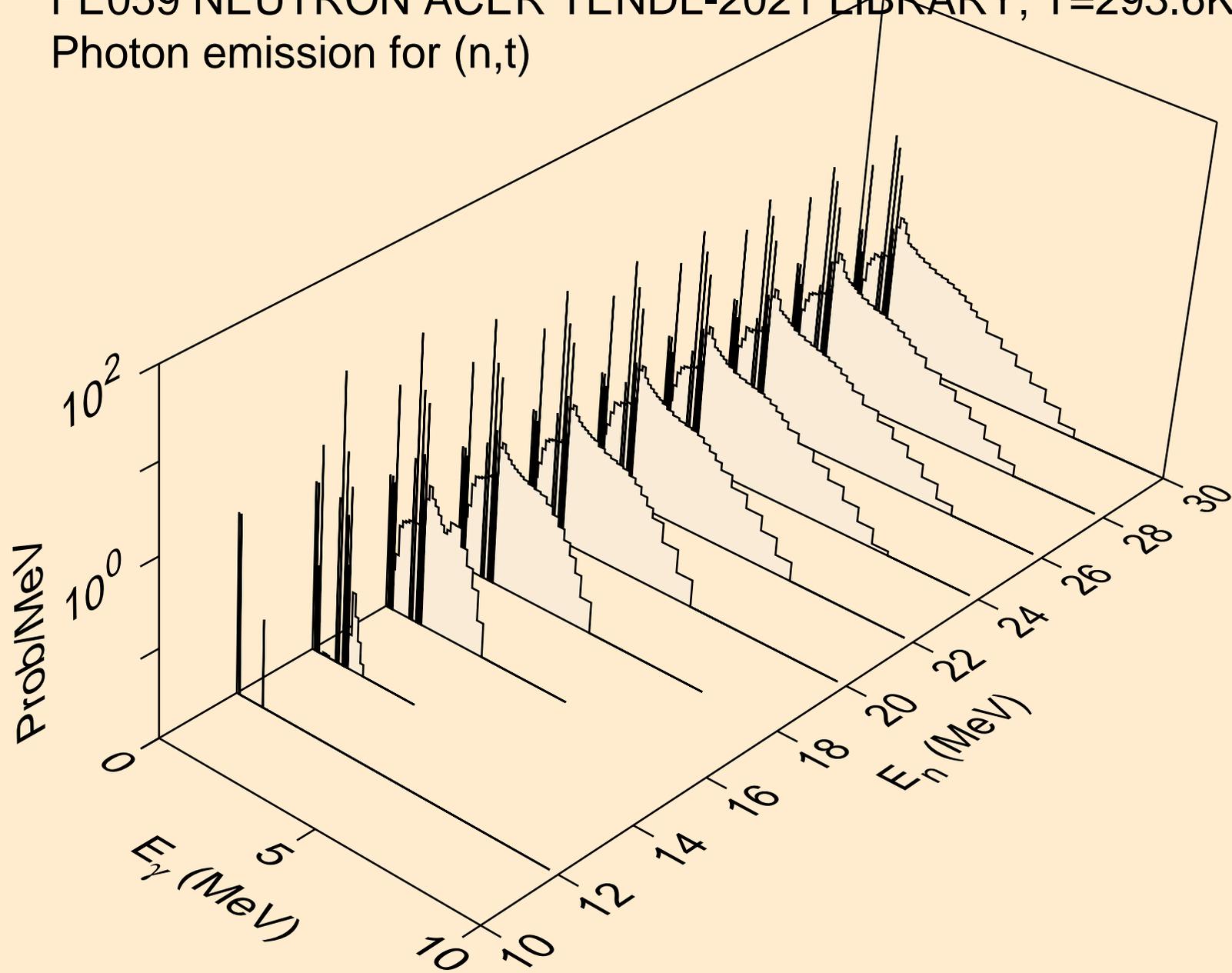
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,p)



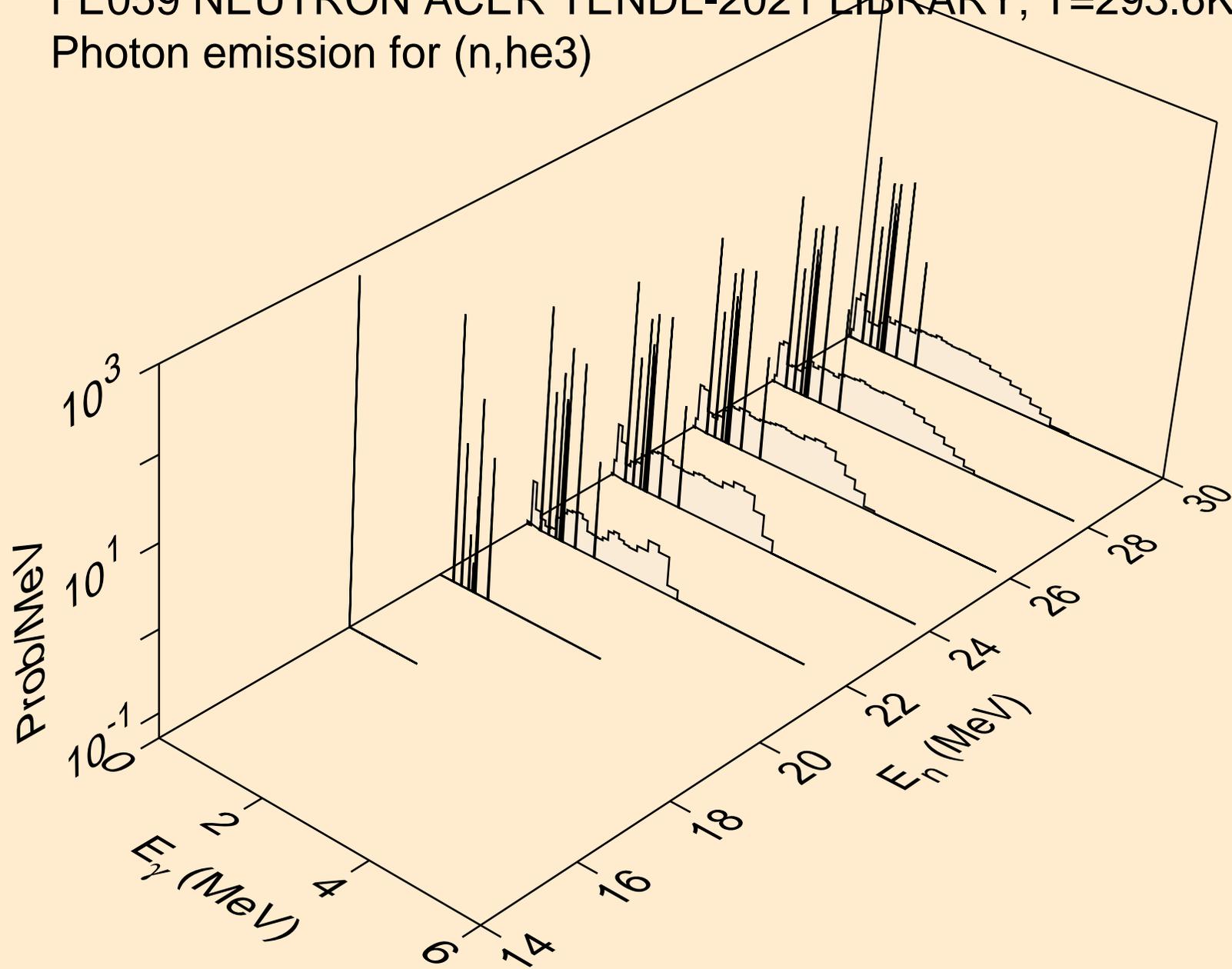
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,d)



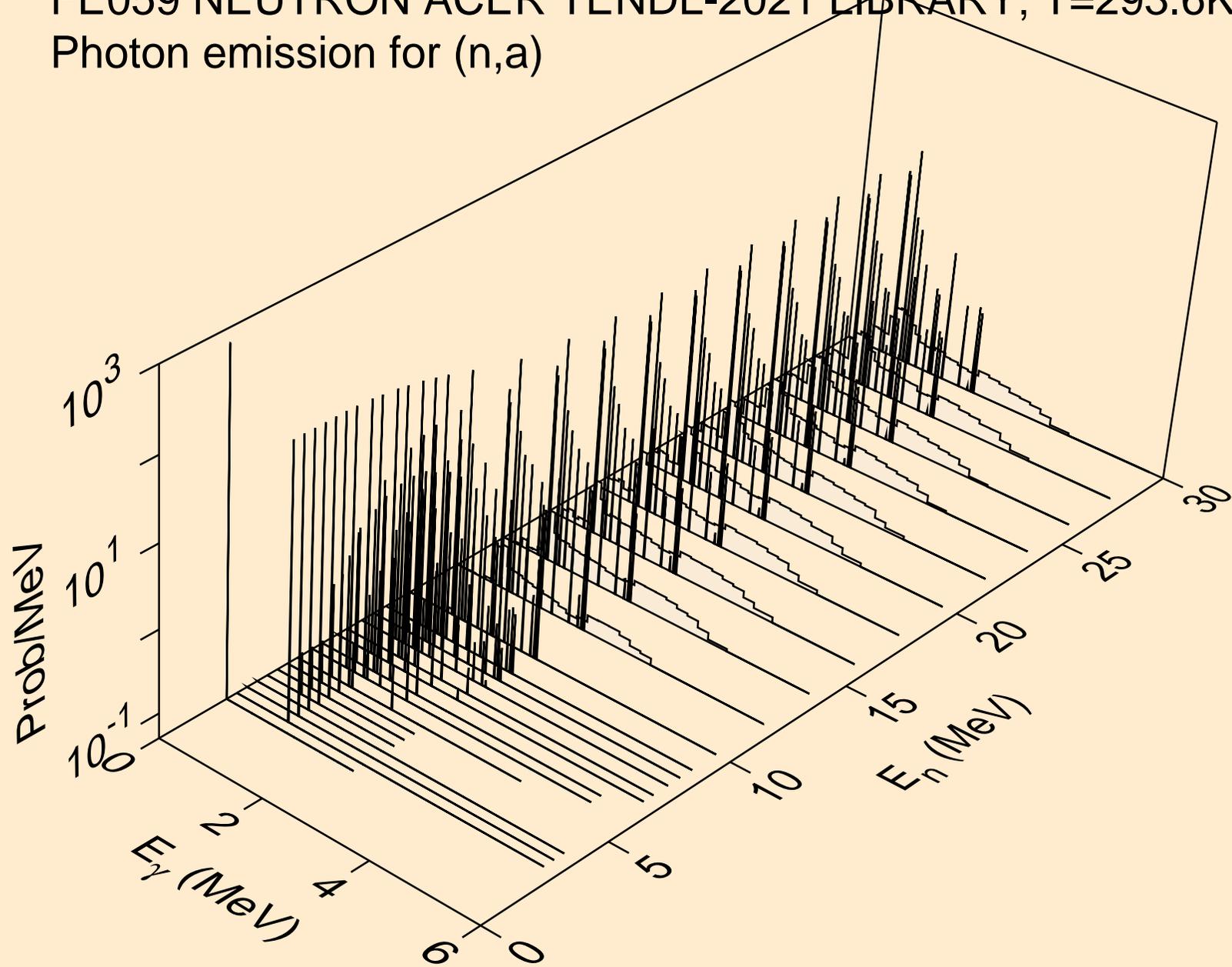
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,t)



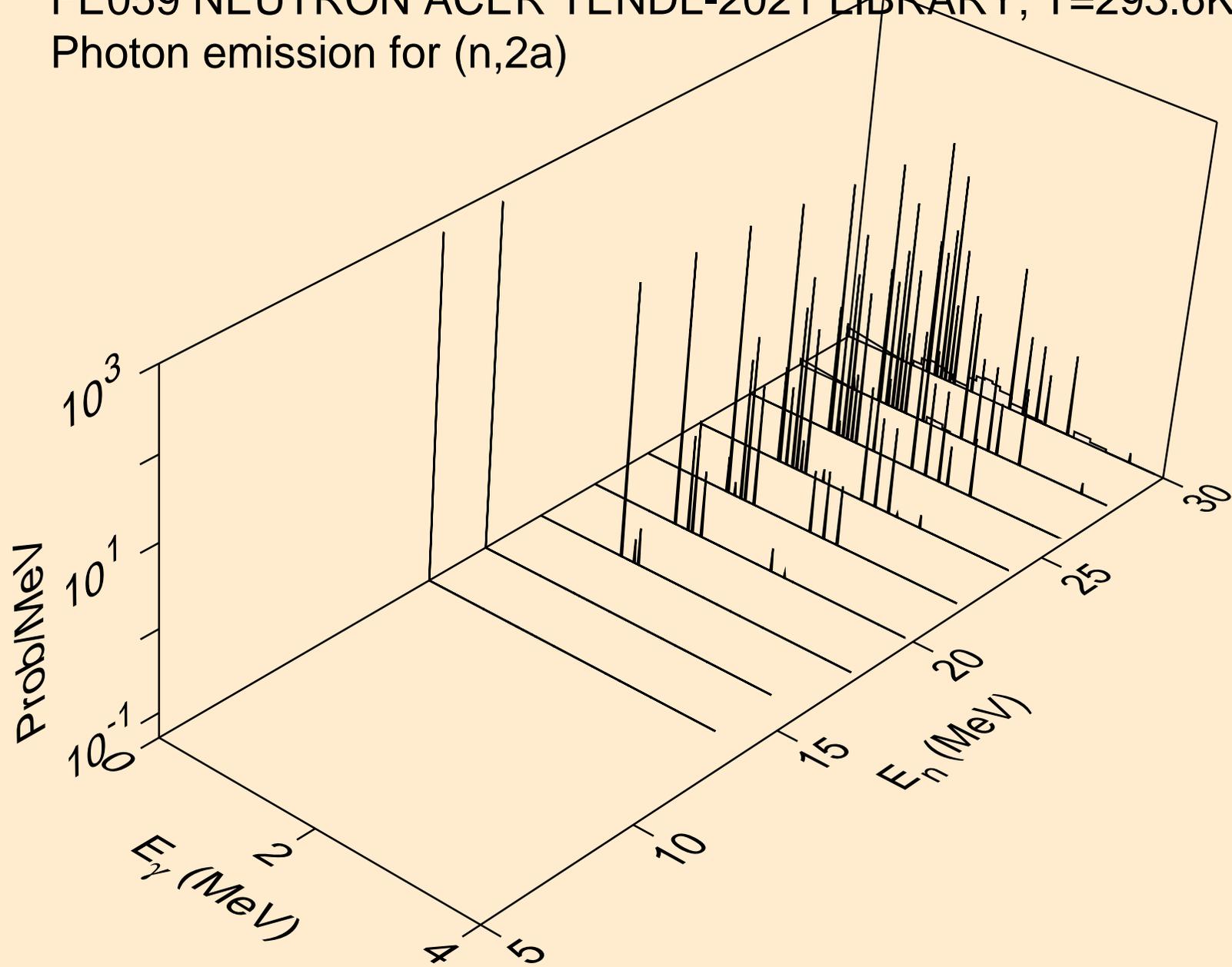
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,he3)



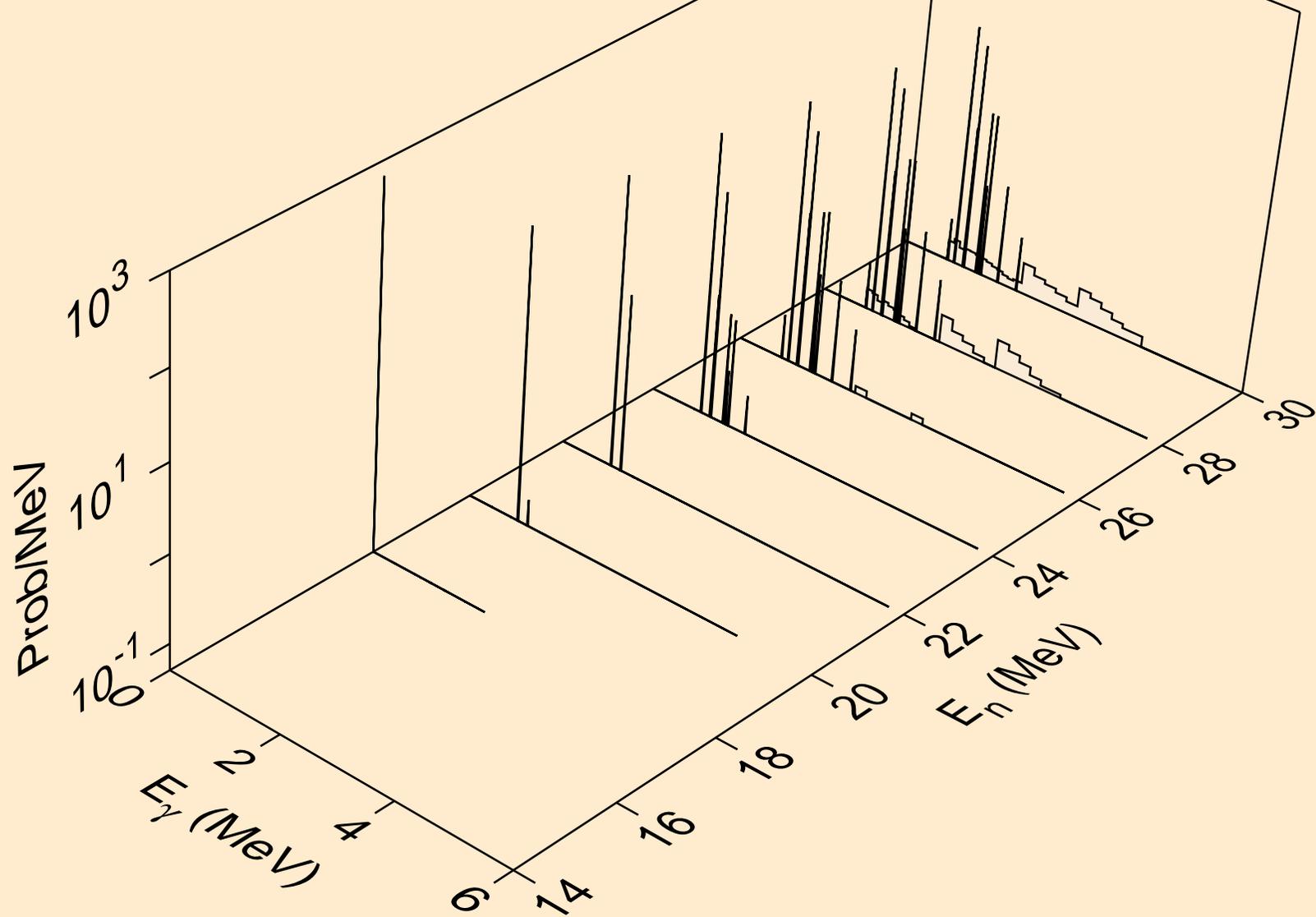
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,a)



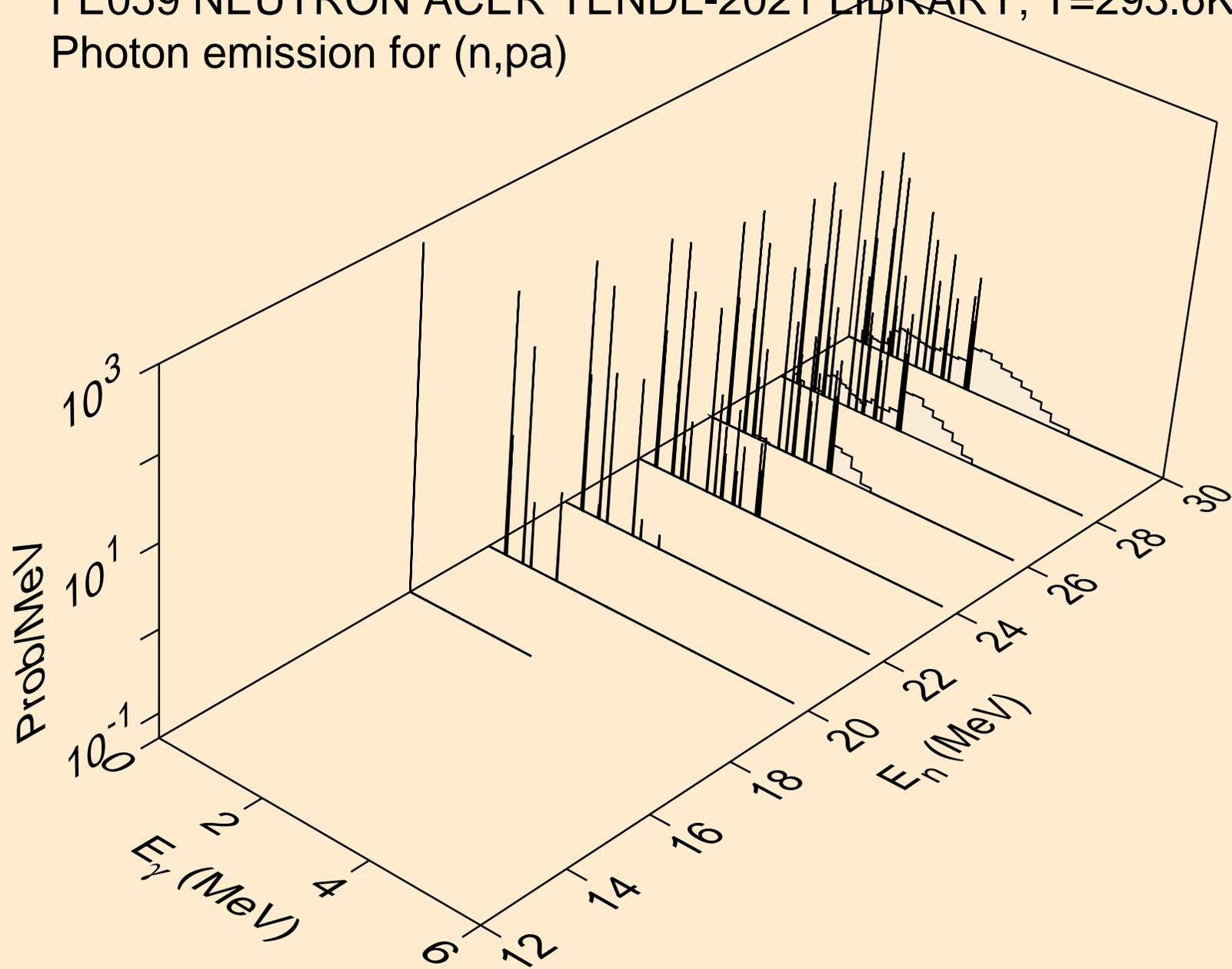
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2a)



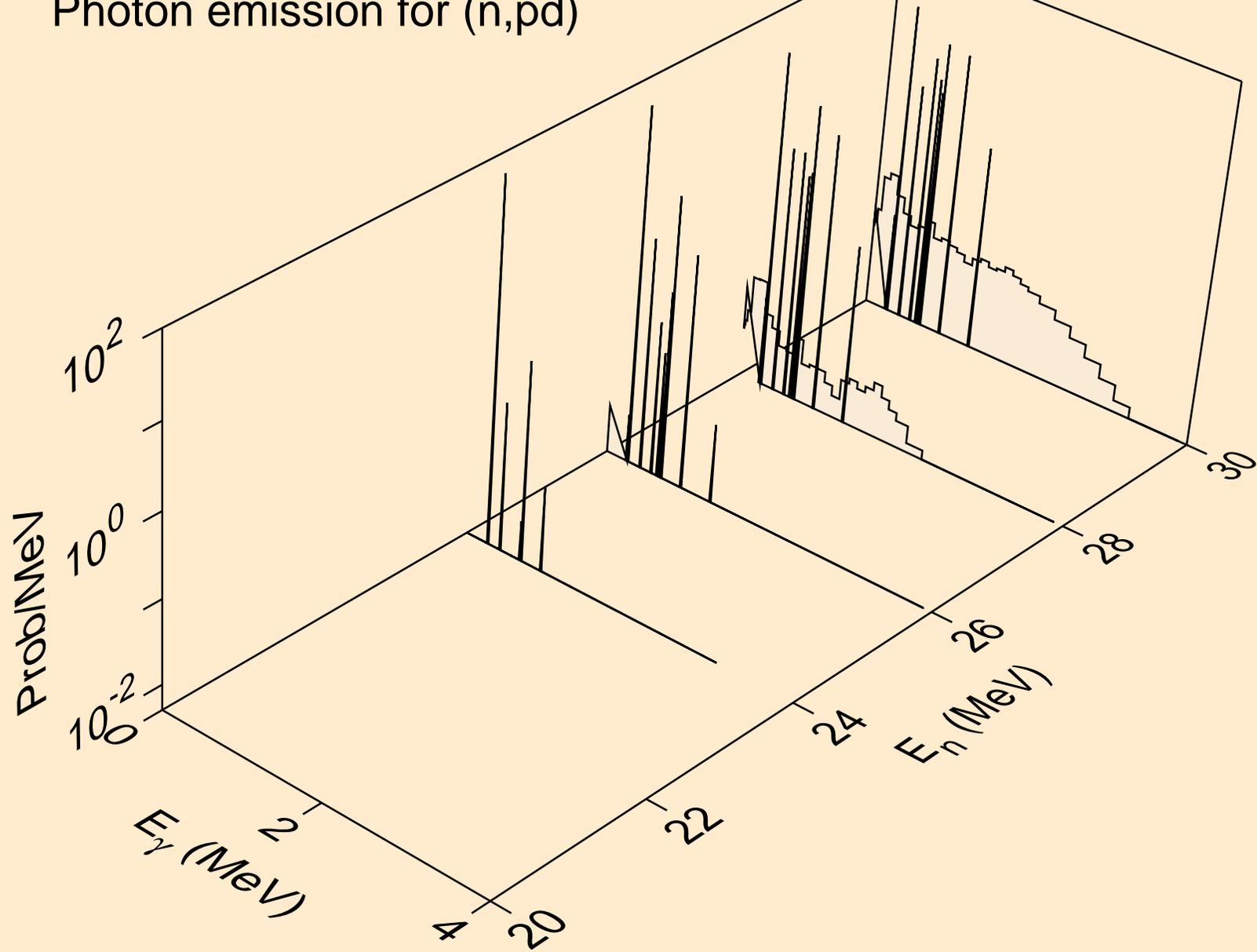
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2p)



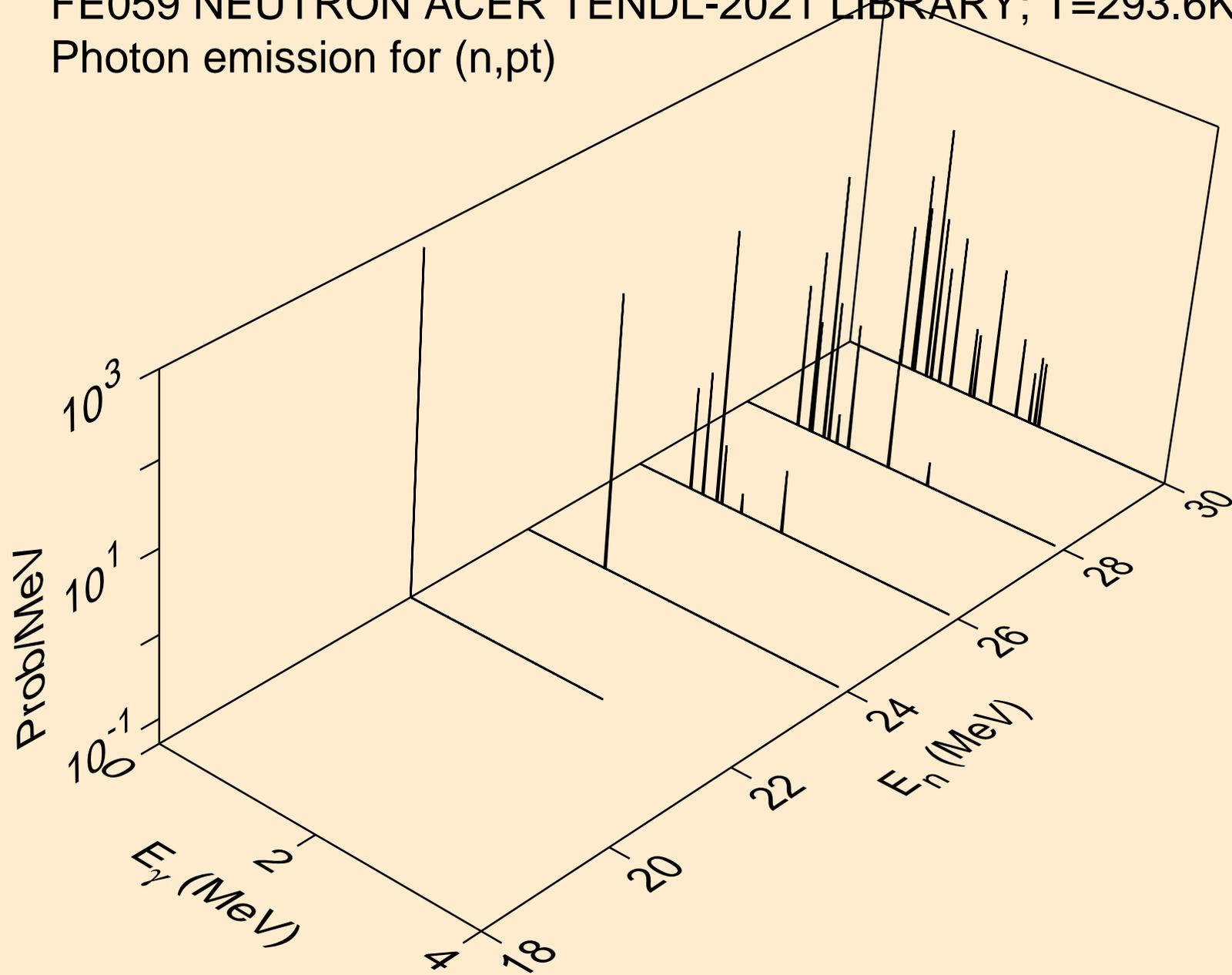
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,p $\alpha$ )



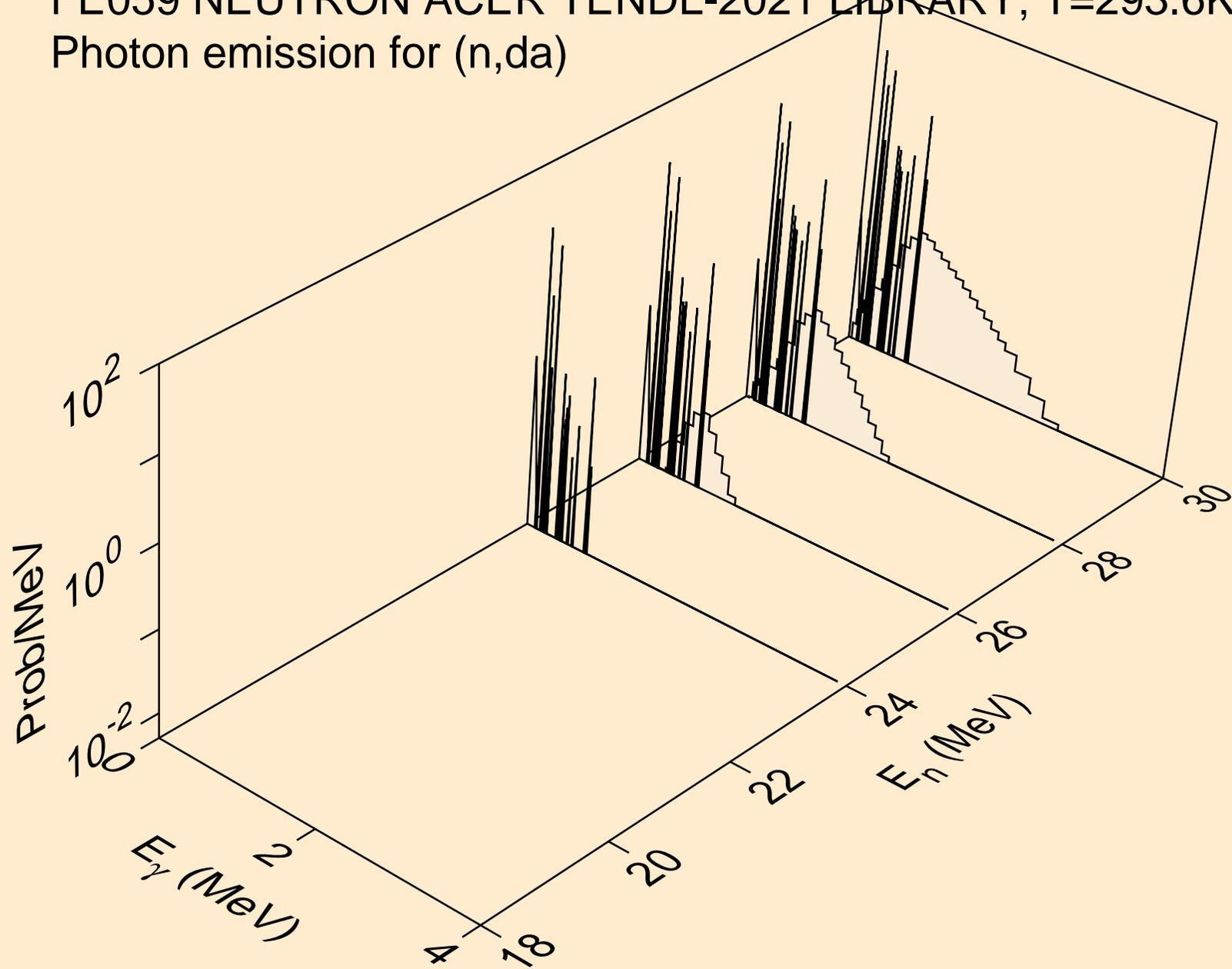
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,pd)



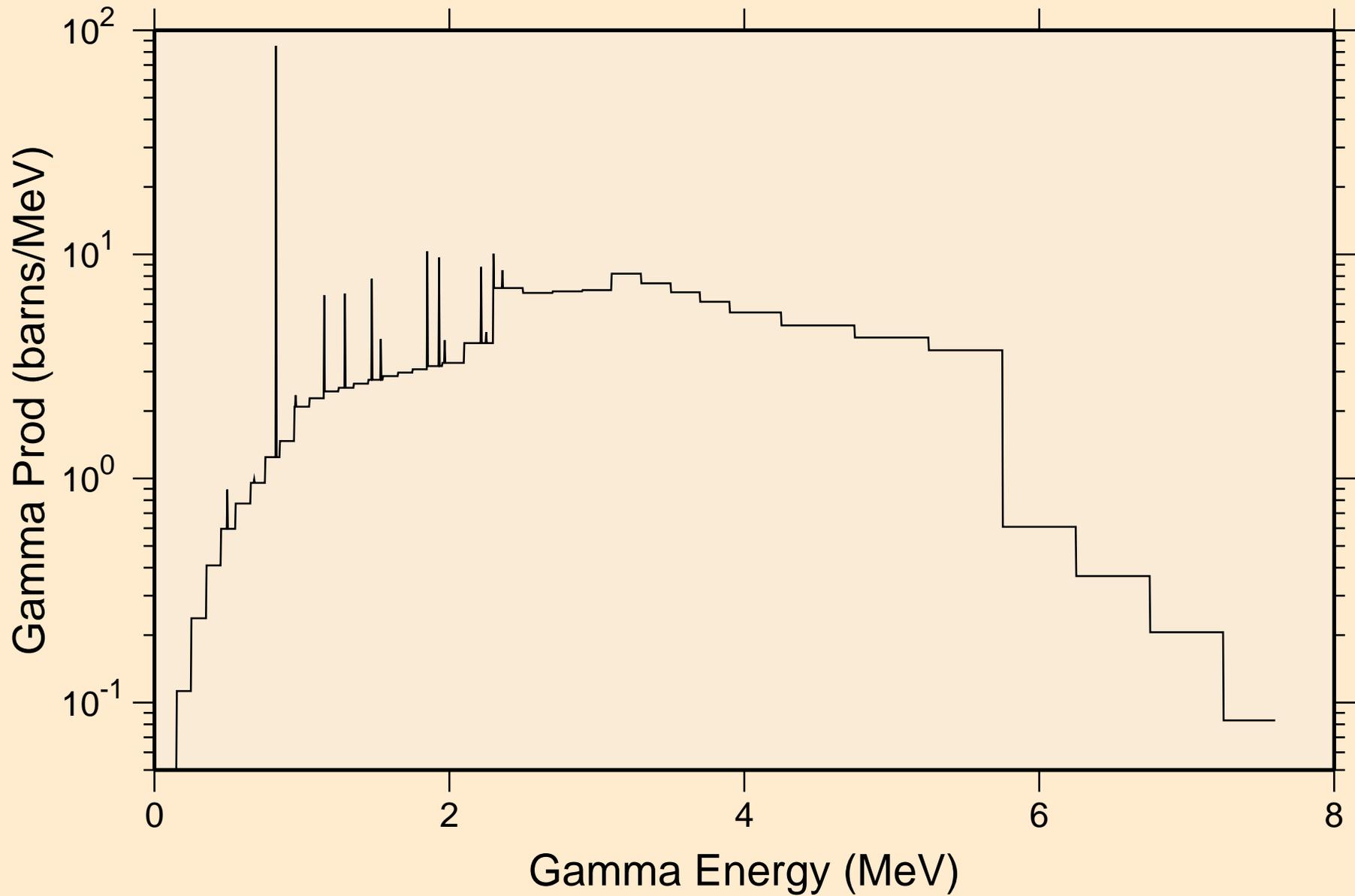
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,pt)



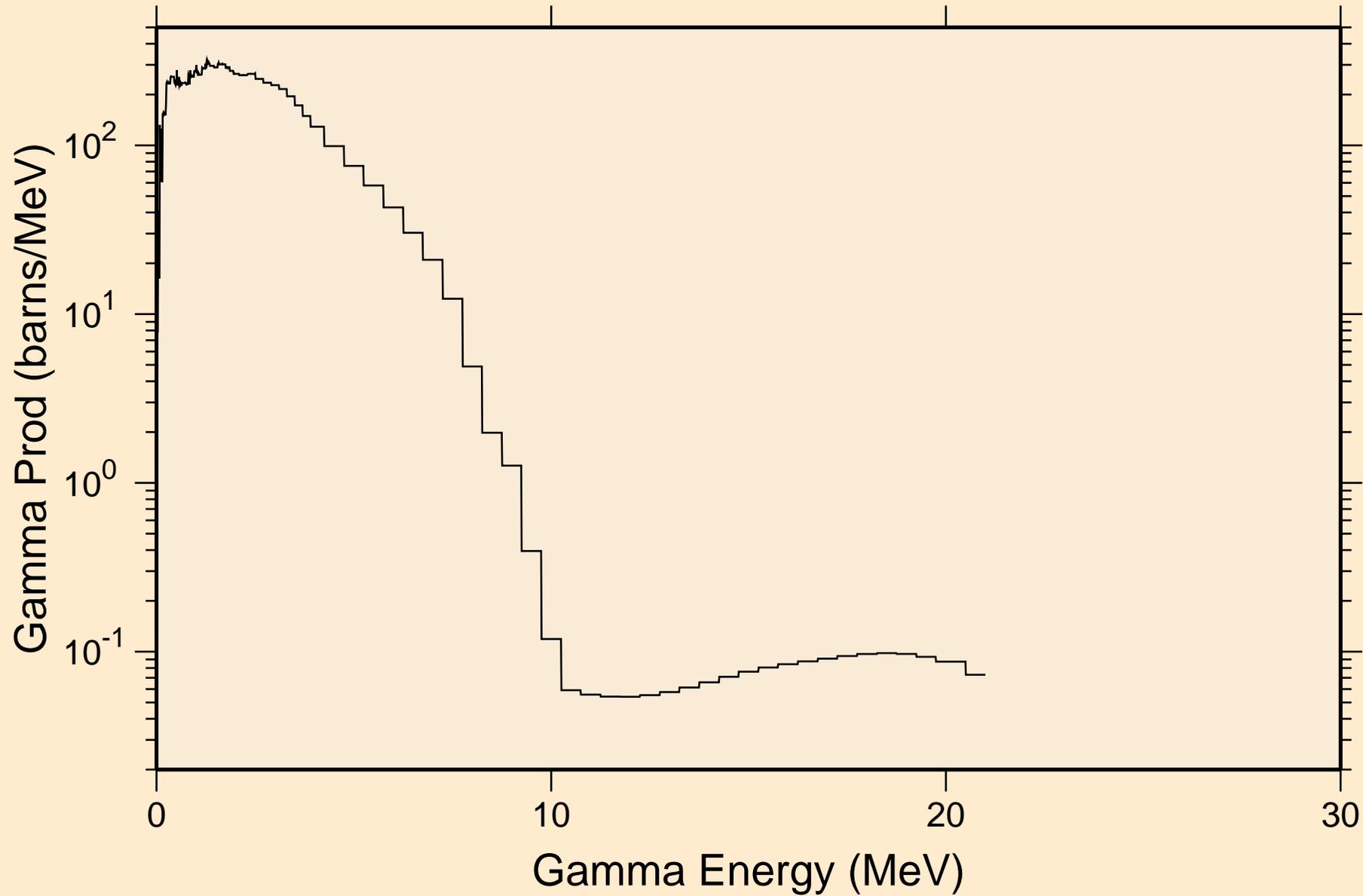
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,da)



FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
thermal capture photon spectrum

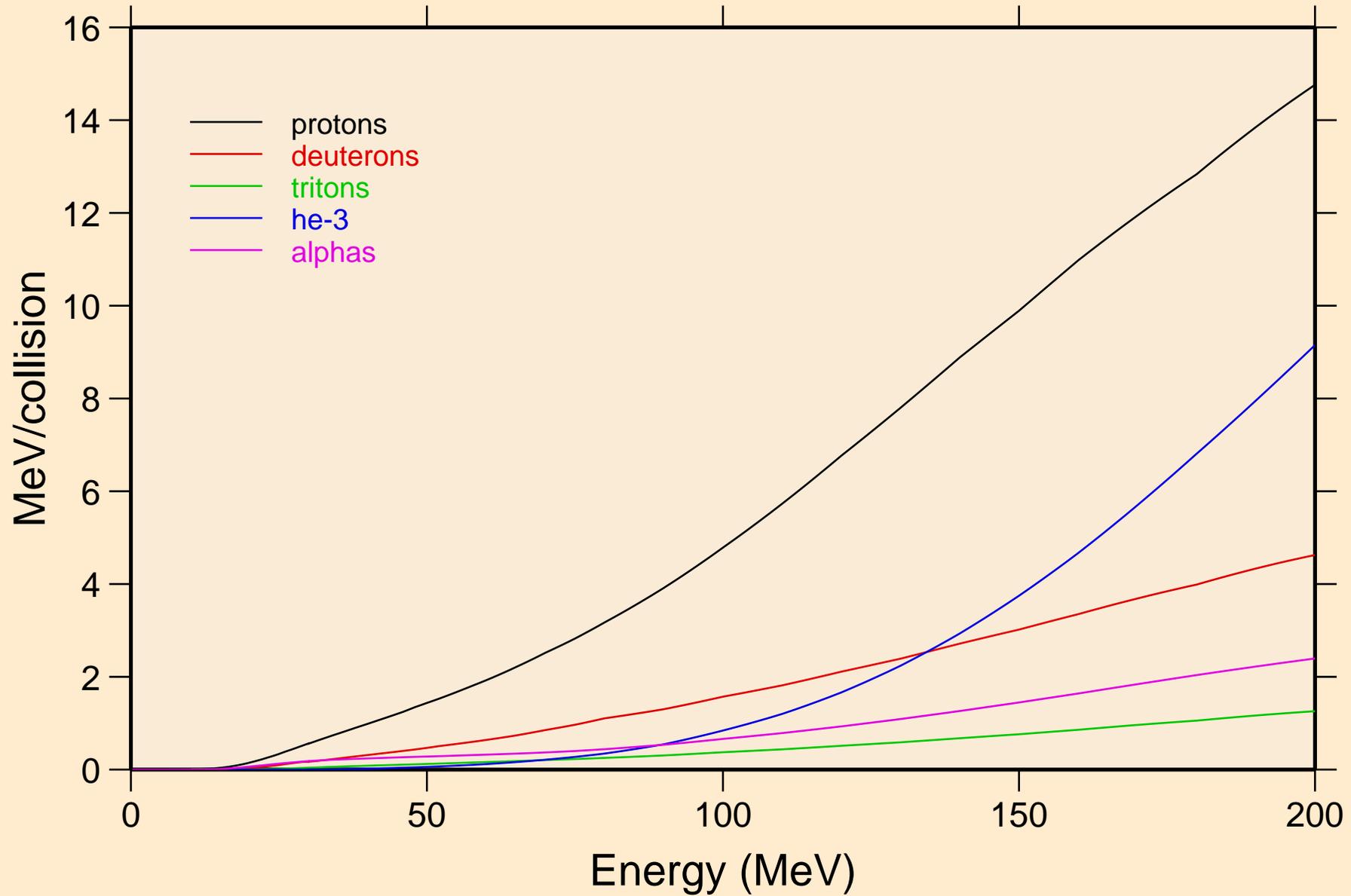


FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
14 MeV photon spectrum

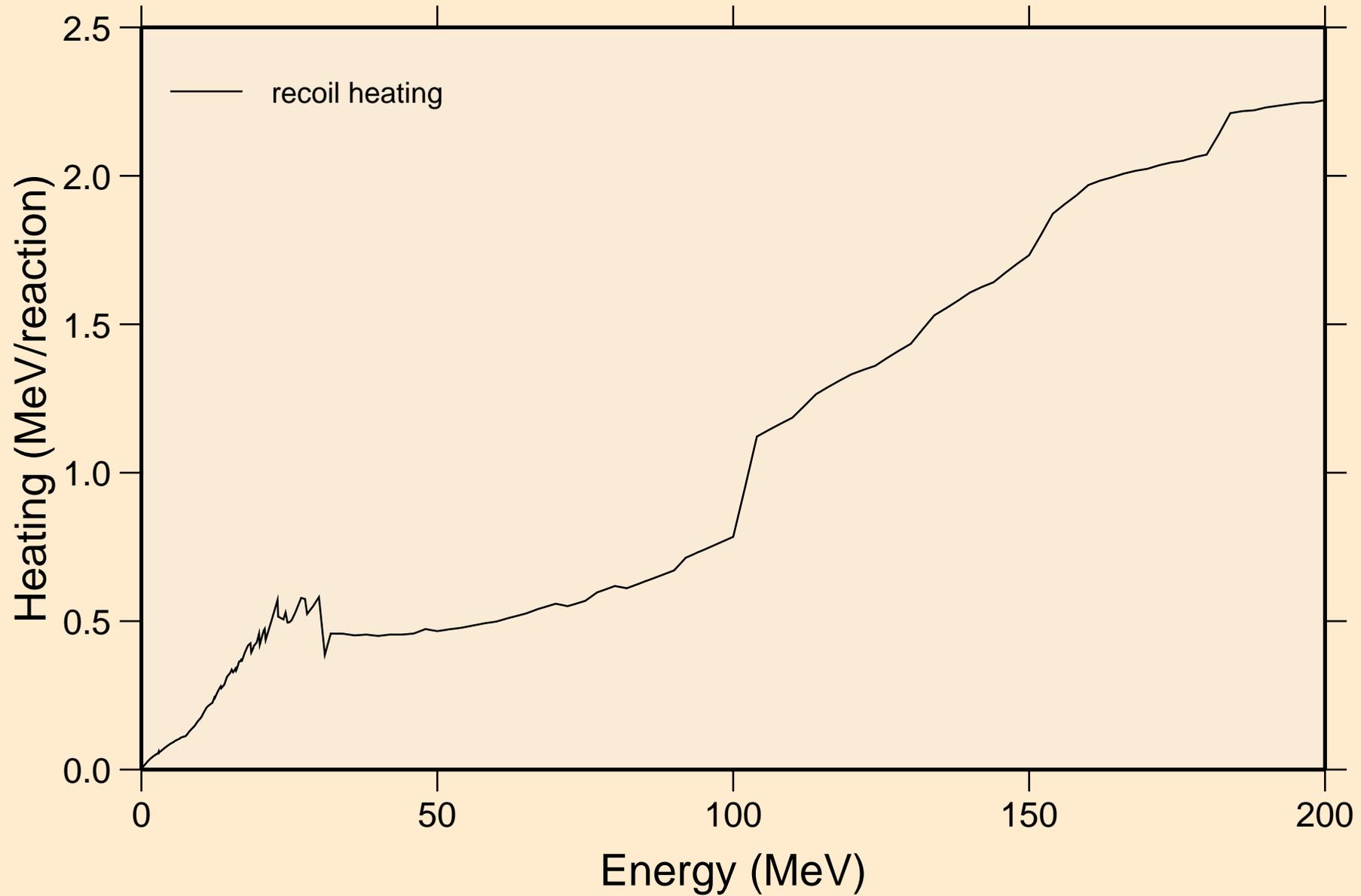


# FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

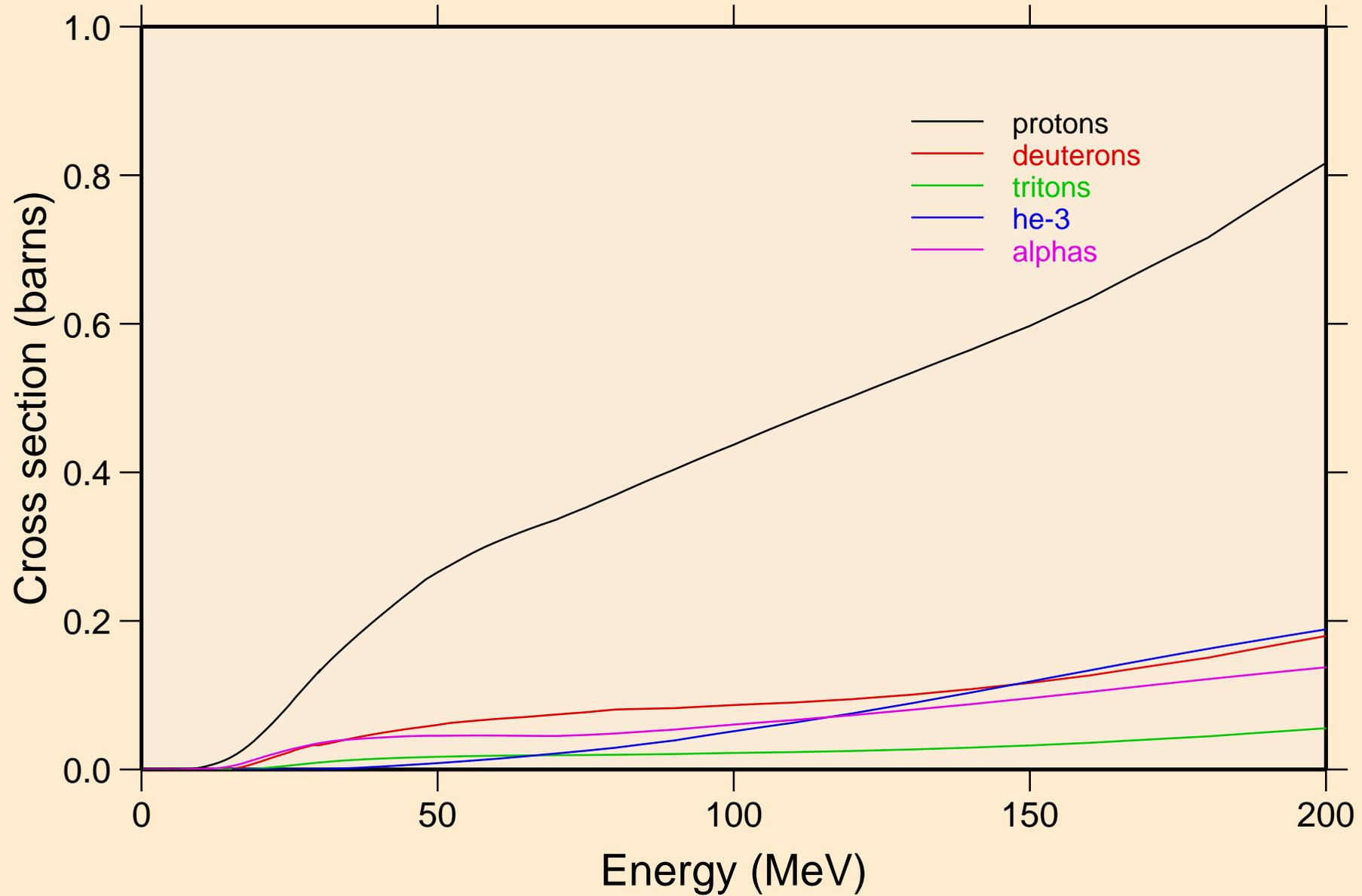
## Particle heating contributions



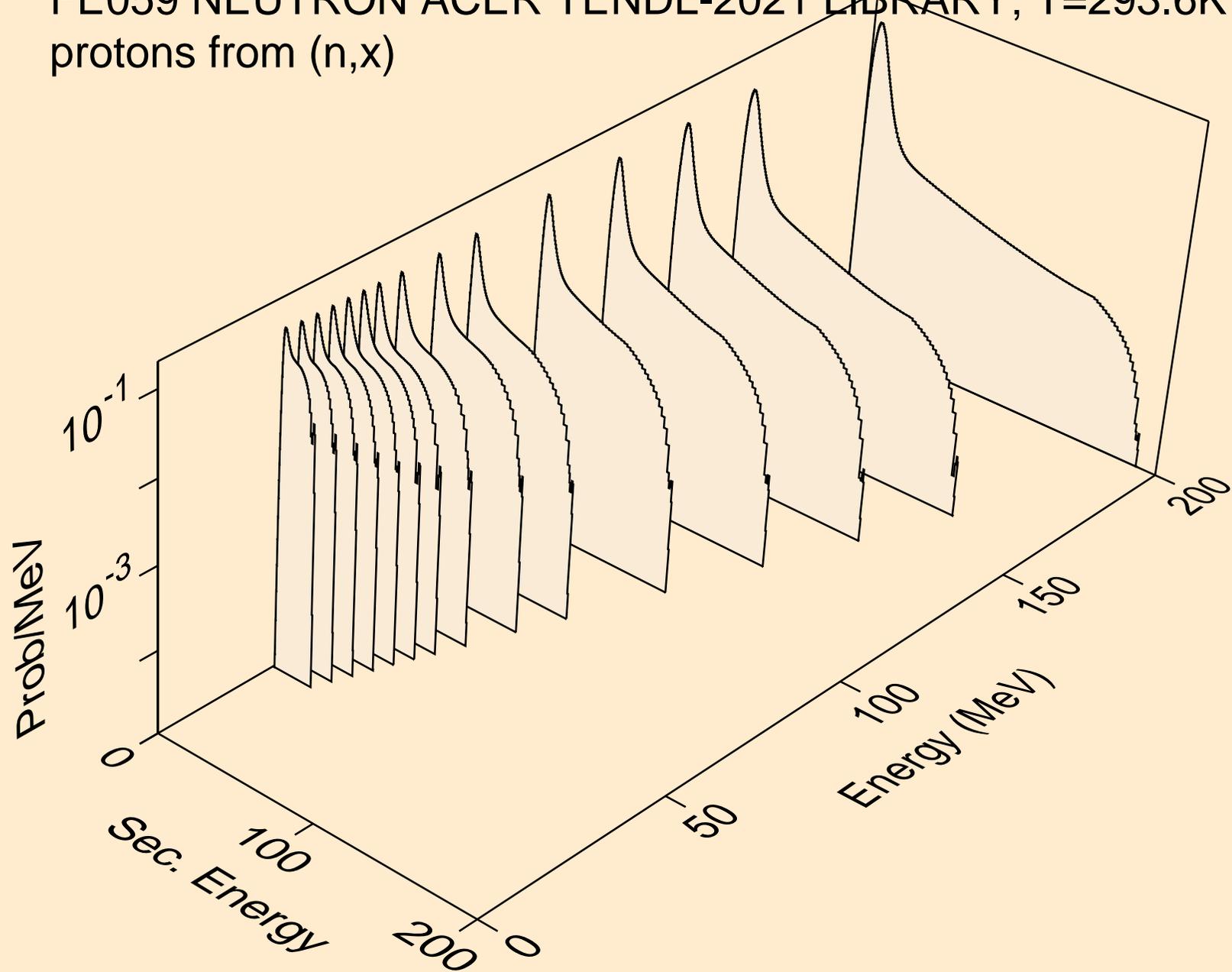
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Recoil Heating



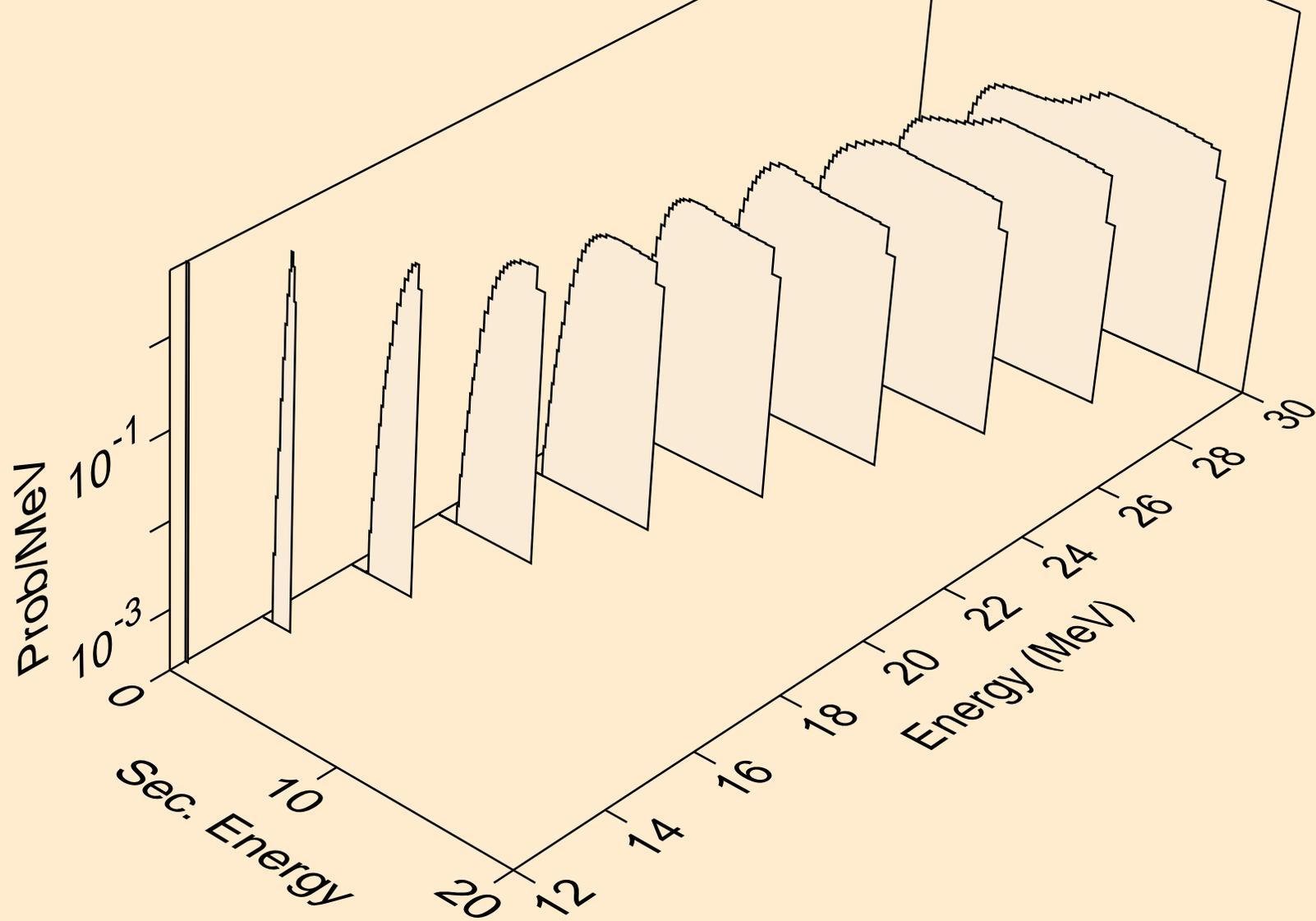
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Particle production cross sections



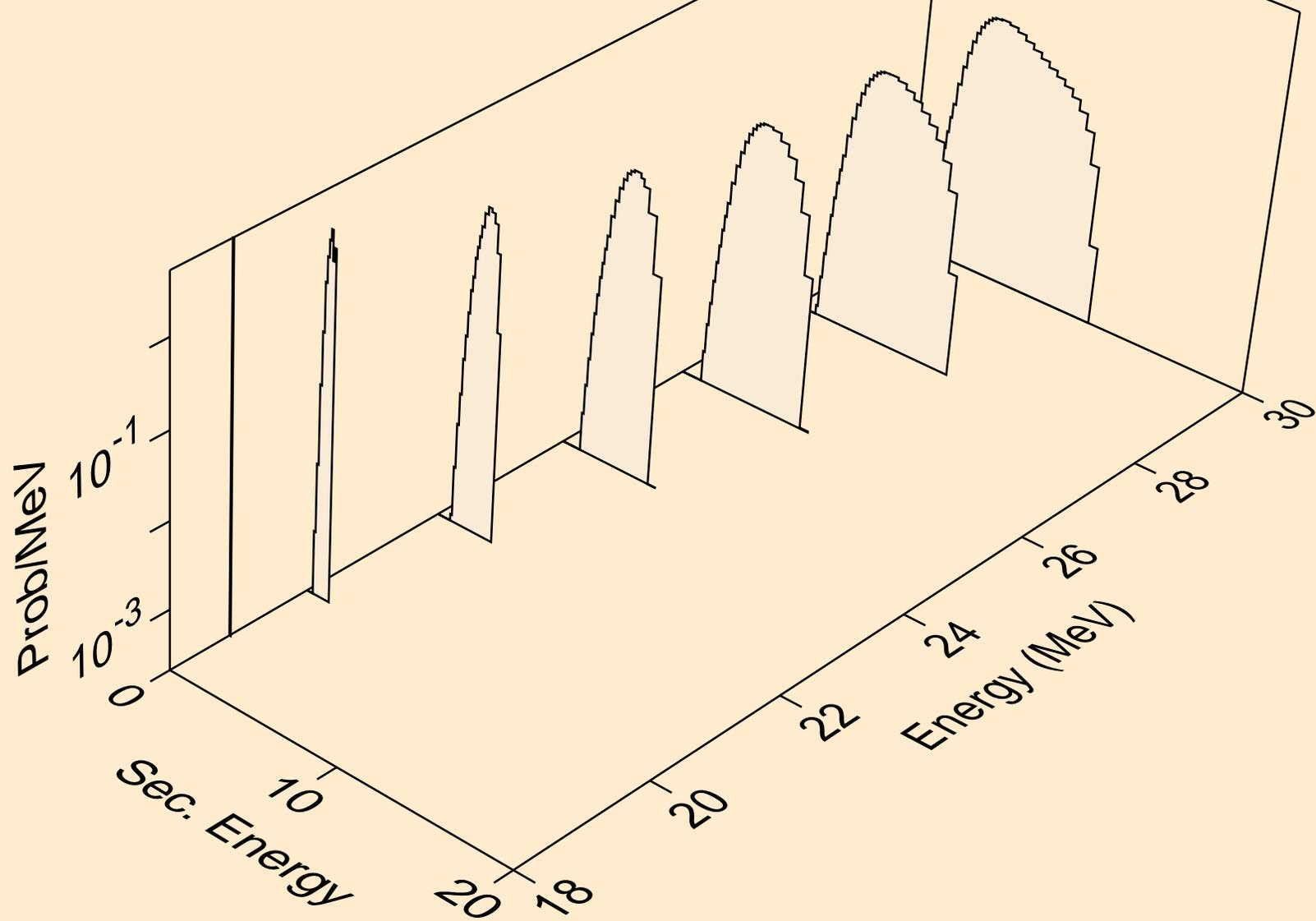
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,x)



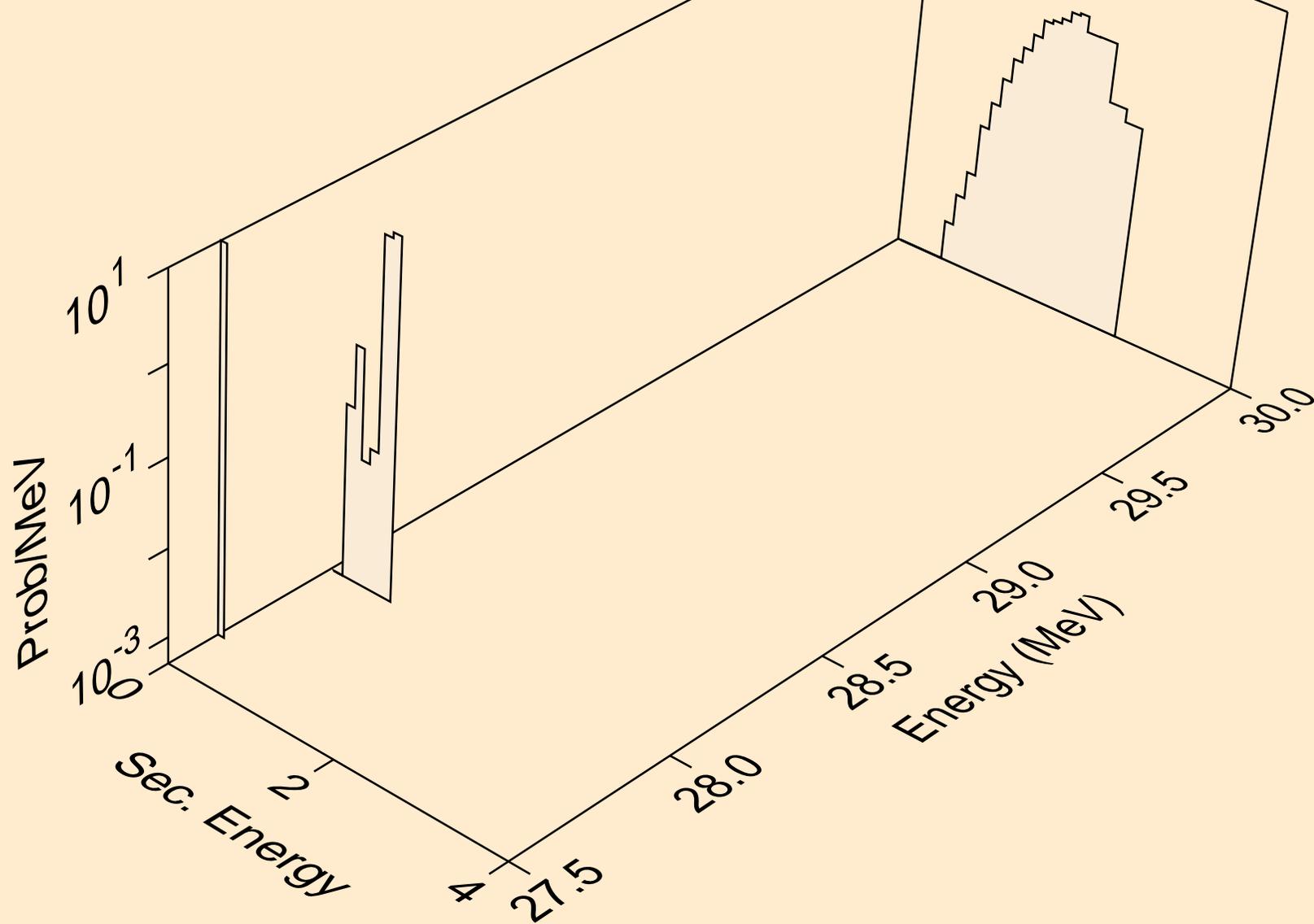
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,n\*)p



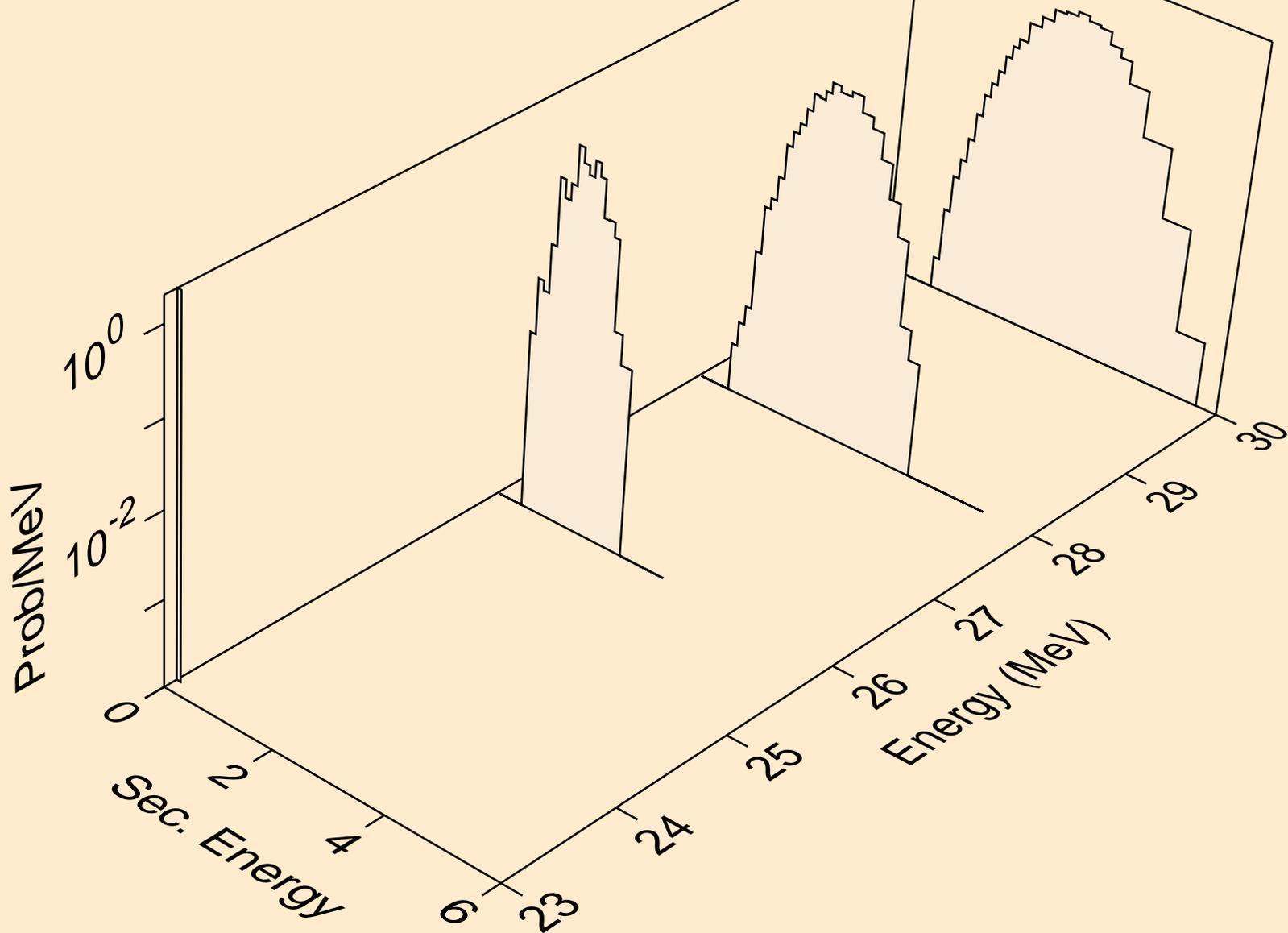
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,2np)



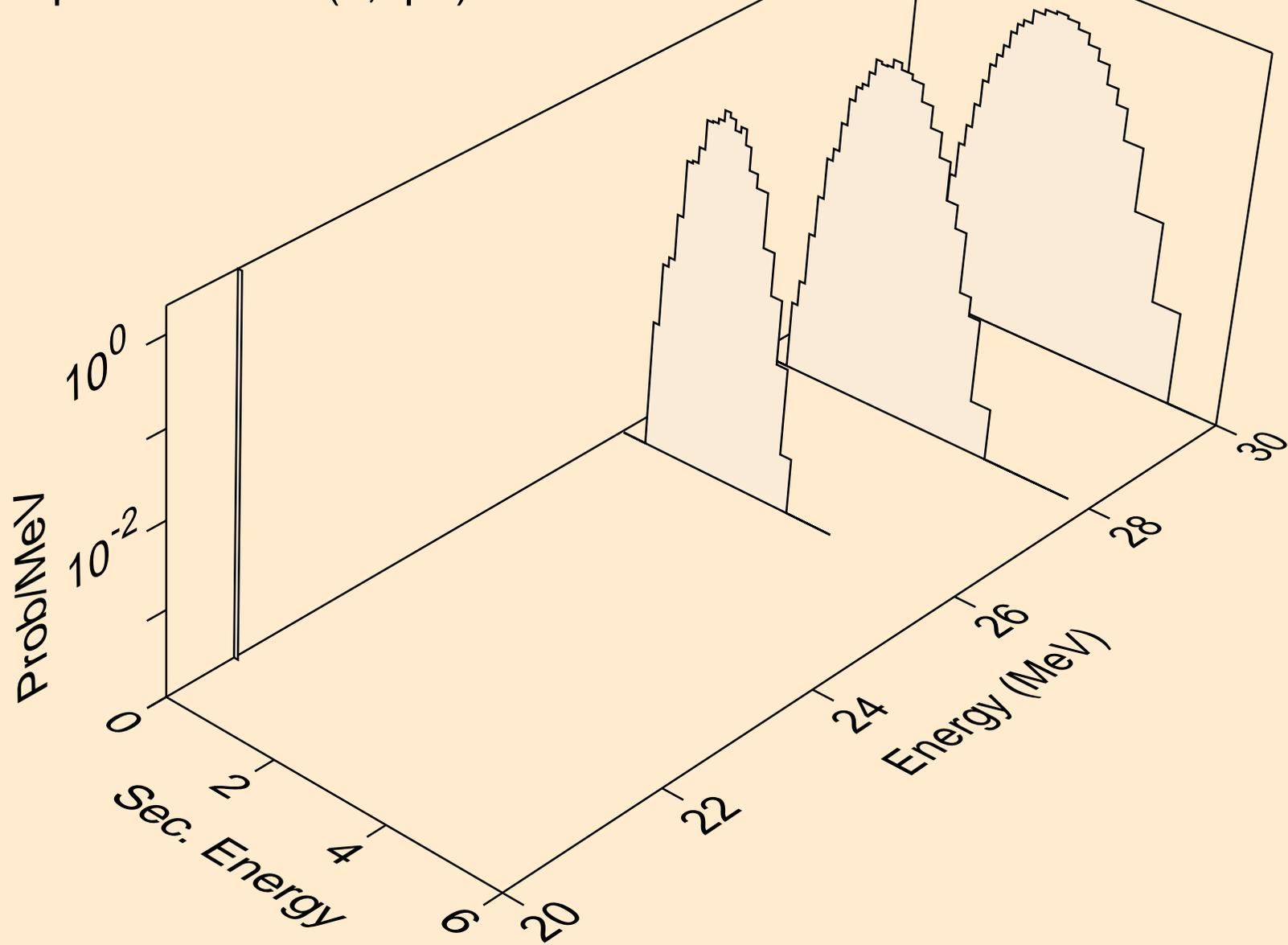
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,3np)



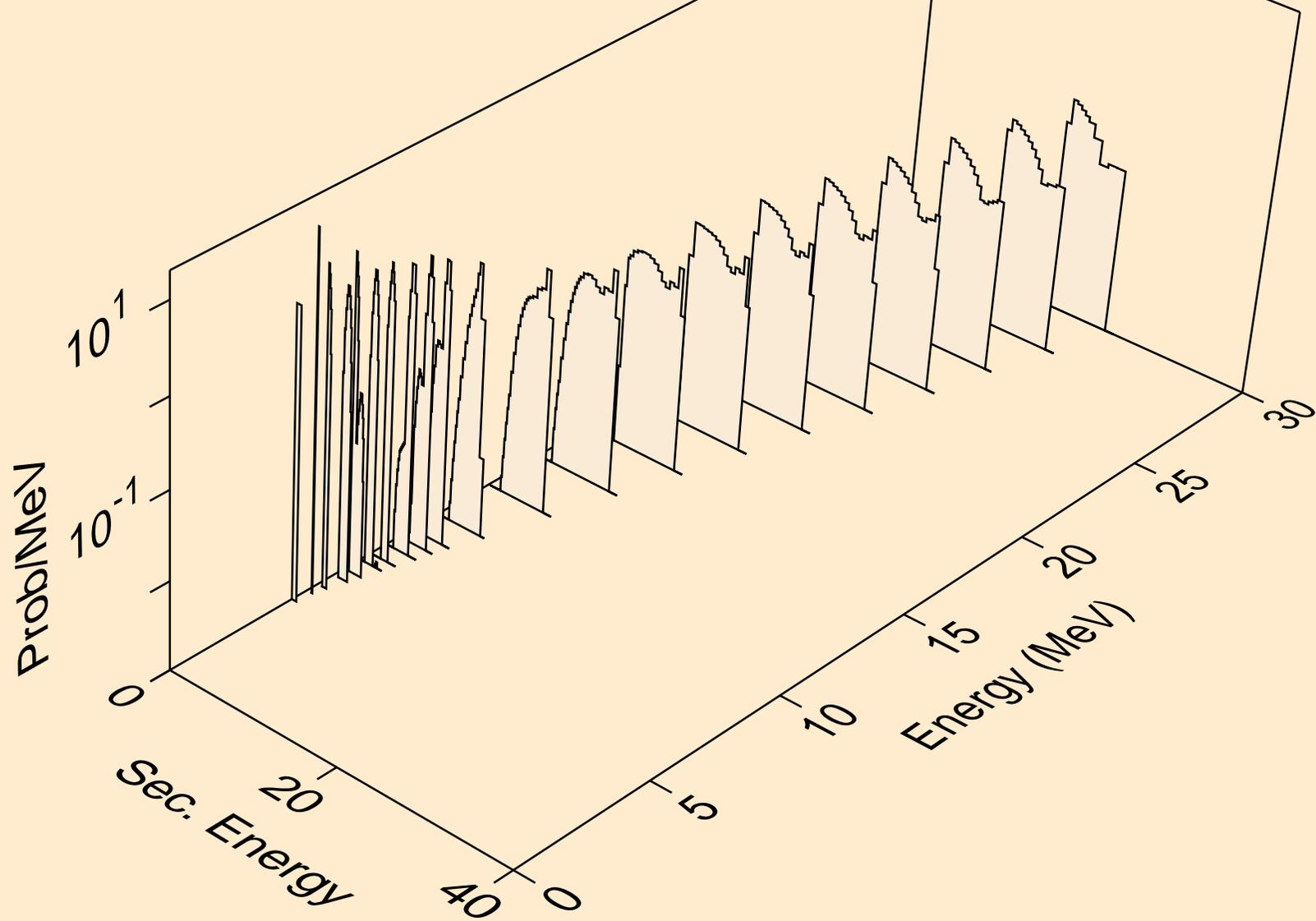
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,2np)



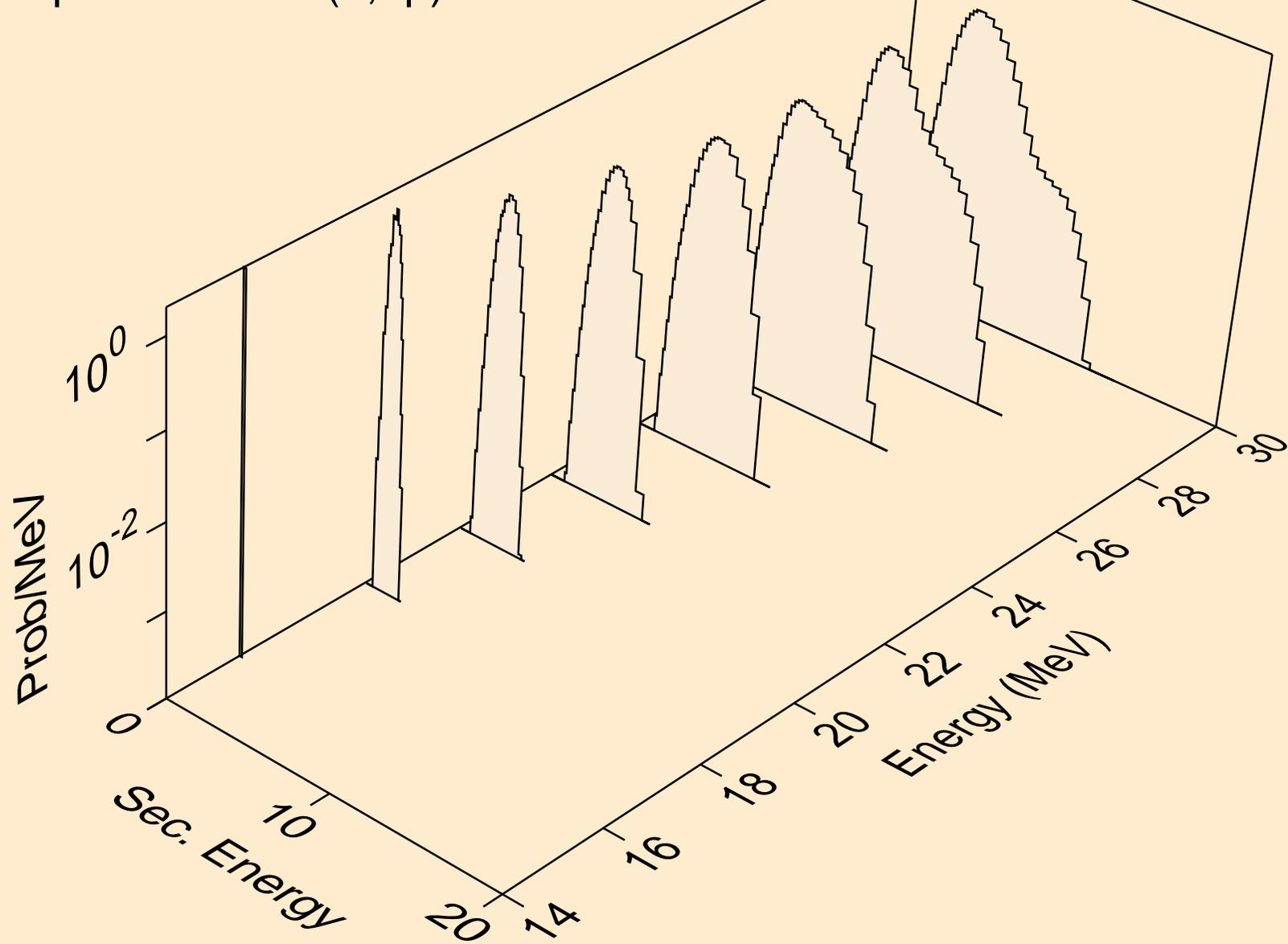
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,npa)



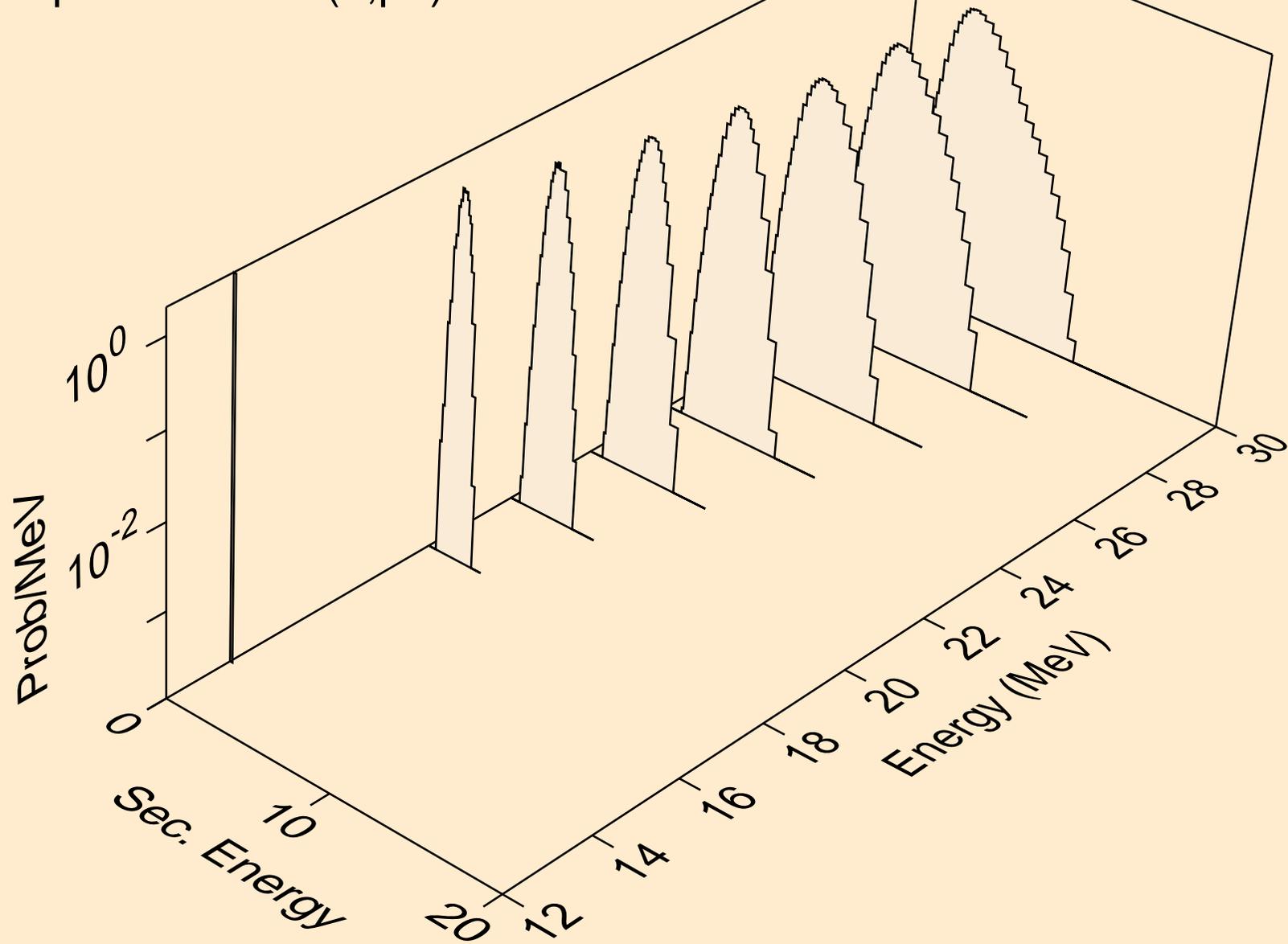
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,p)



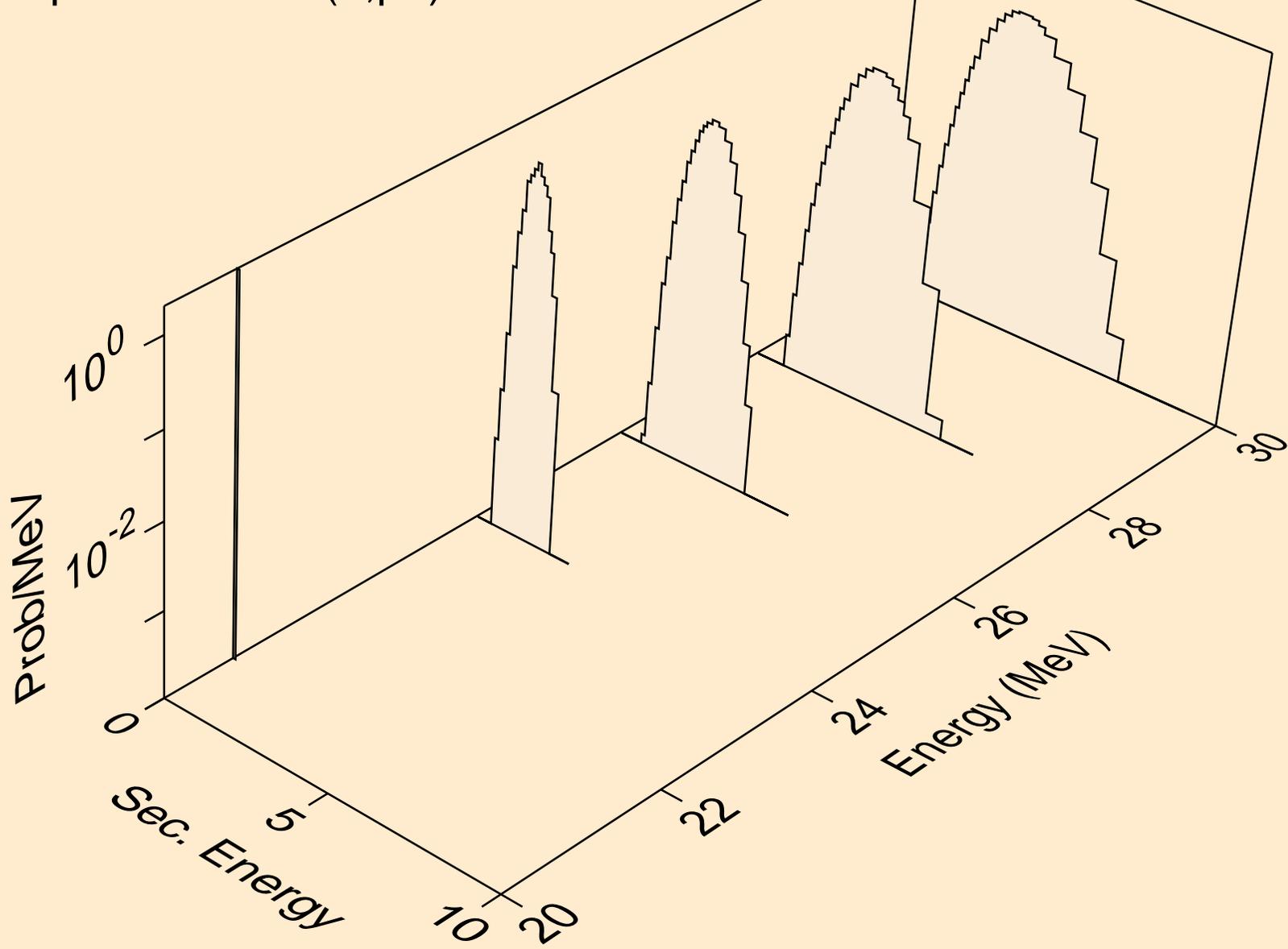
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,2p)



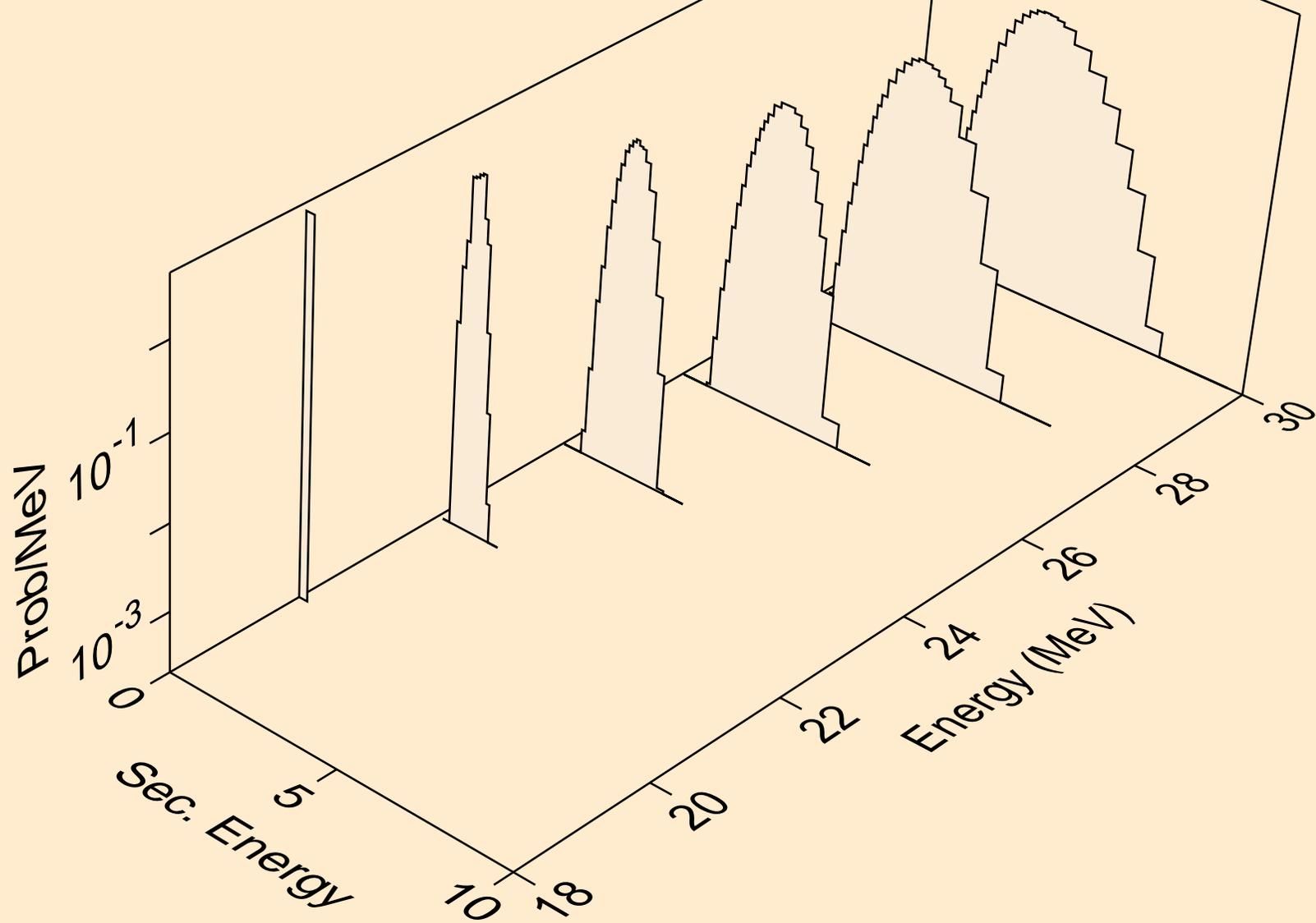
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,p)



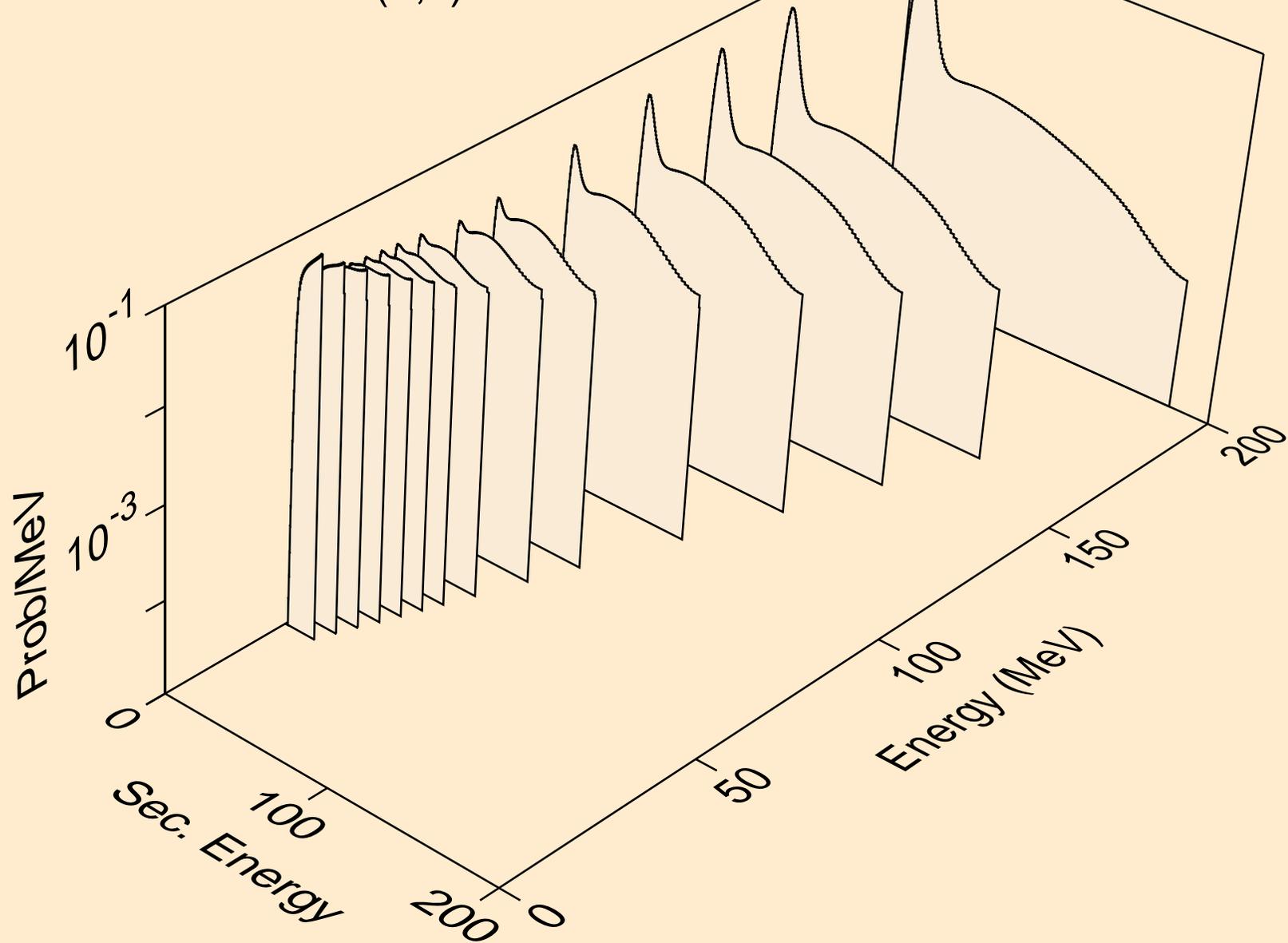
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,pd)



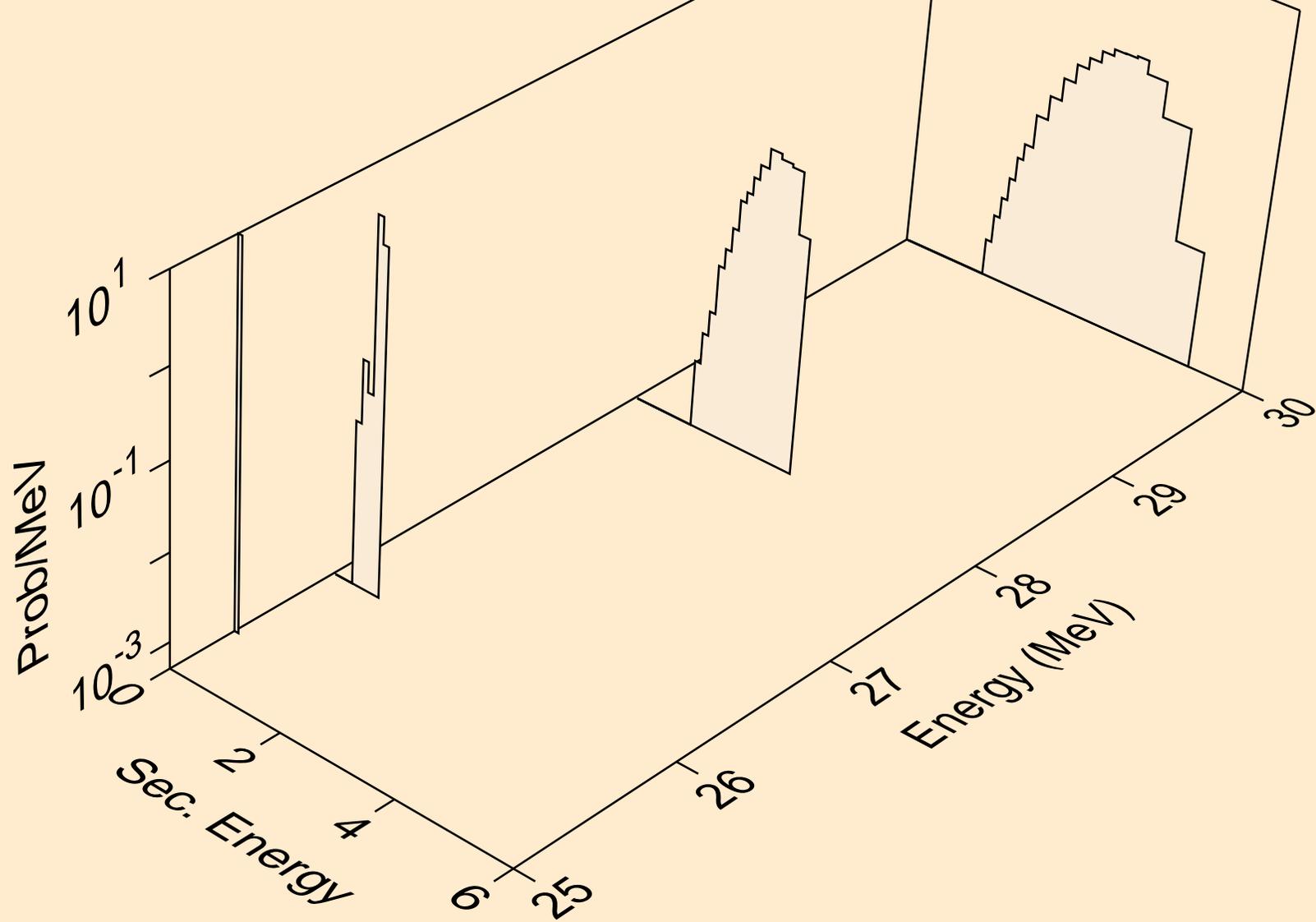
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,pt)



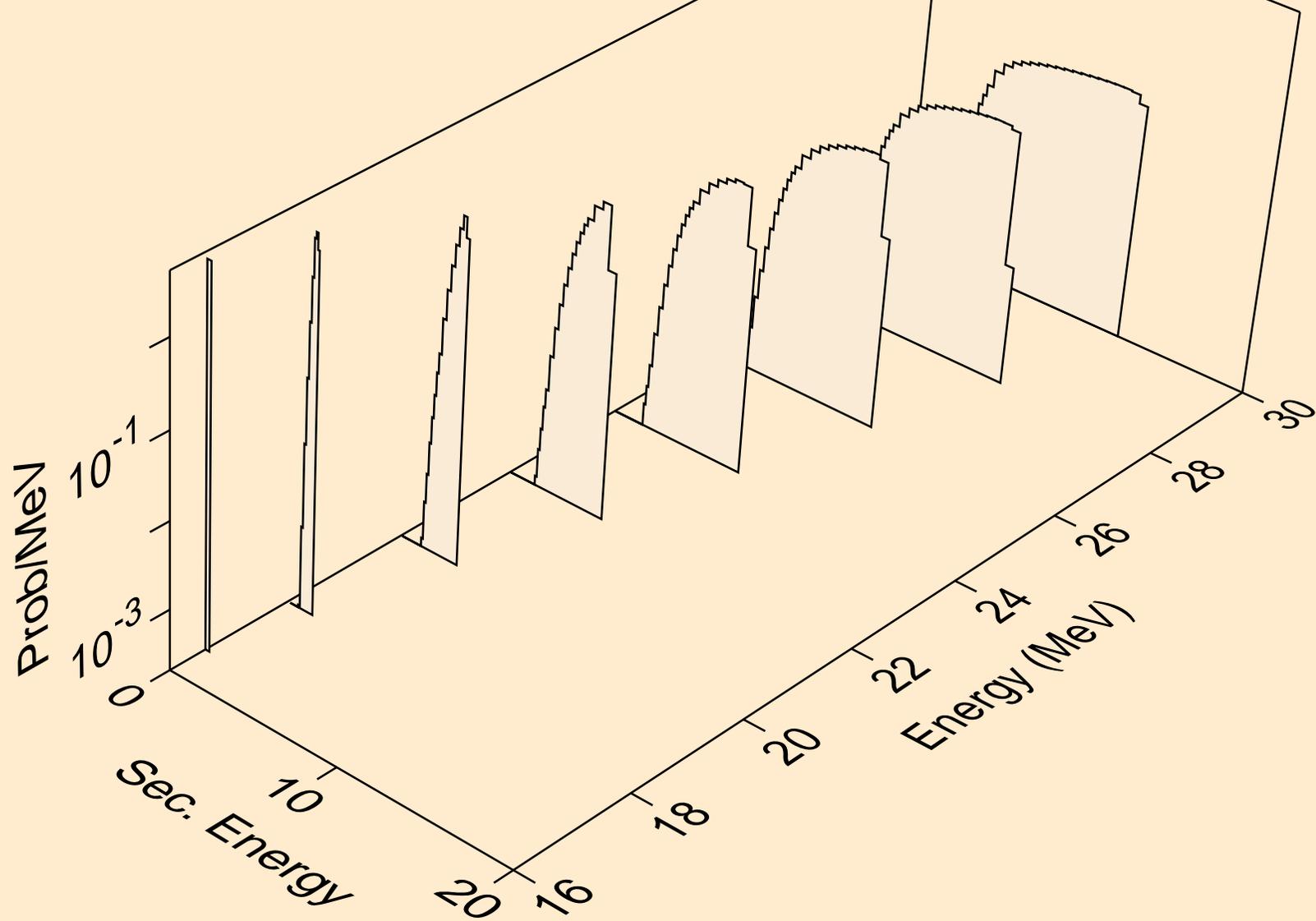
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,x)



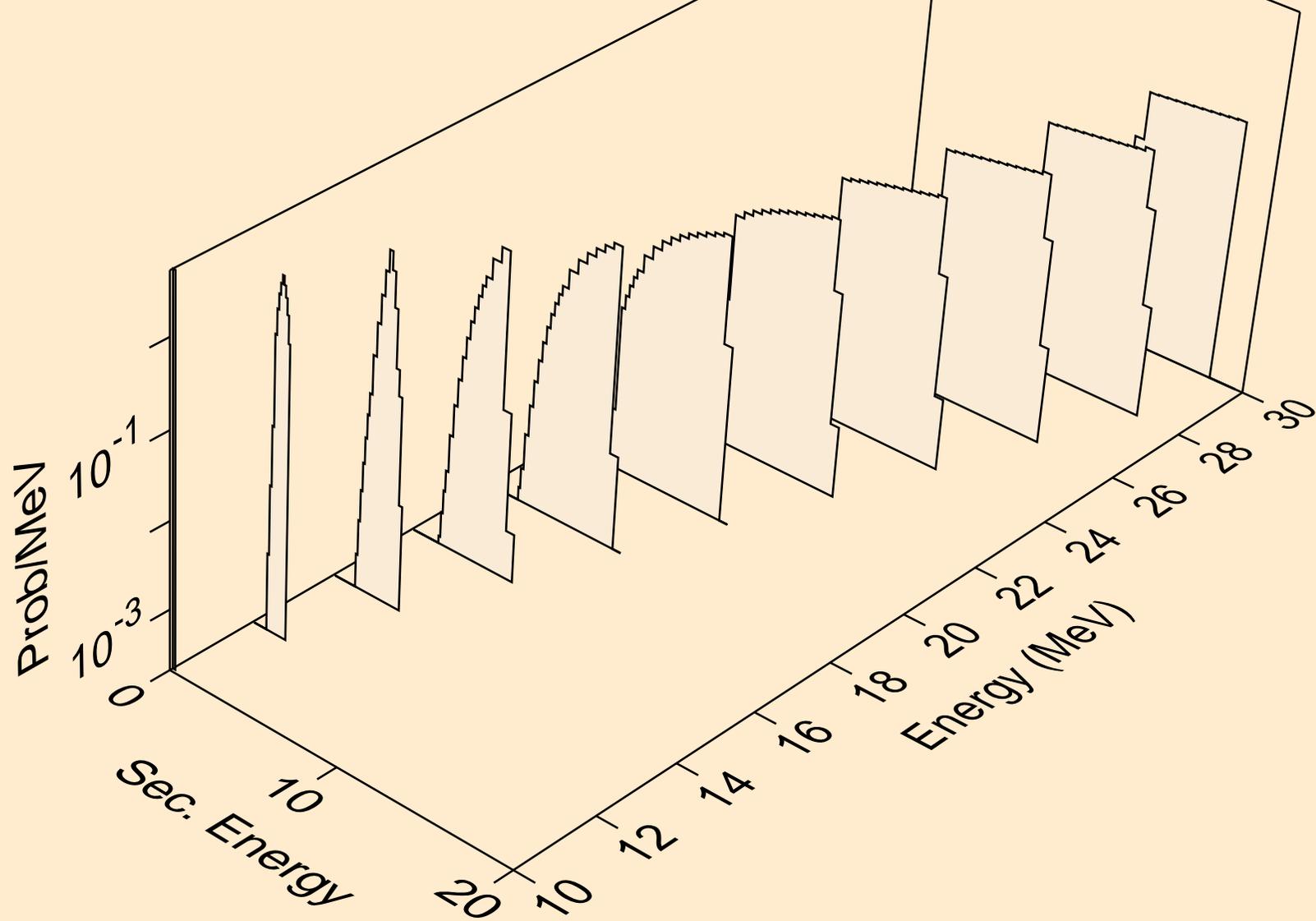
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,2nd)



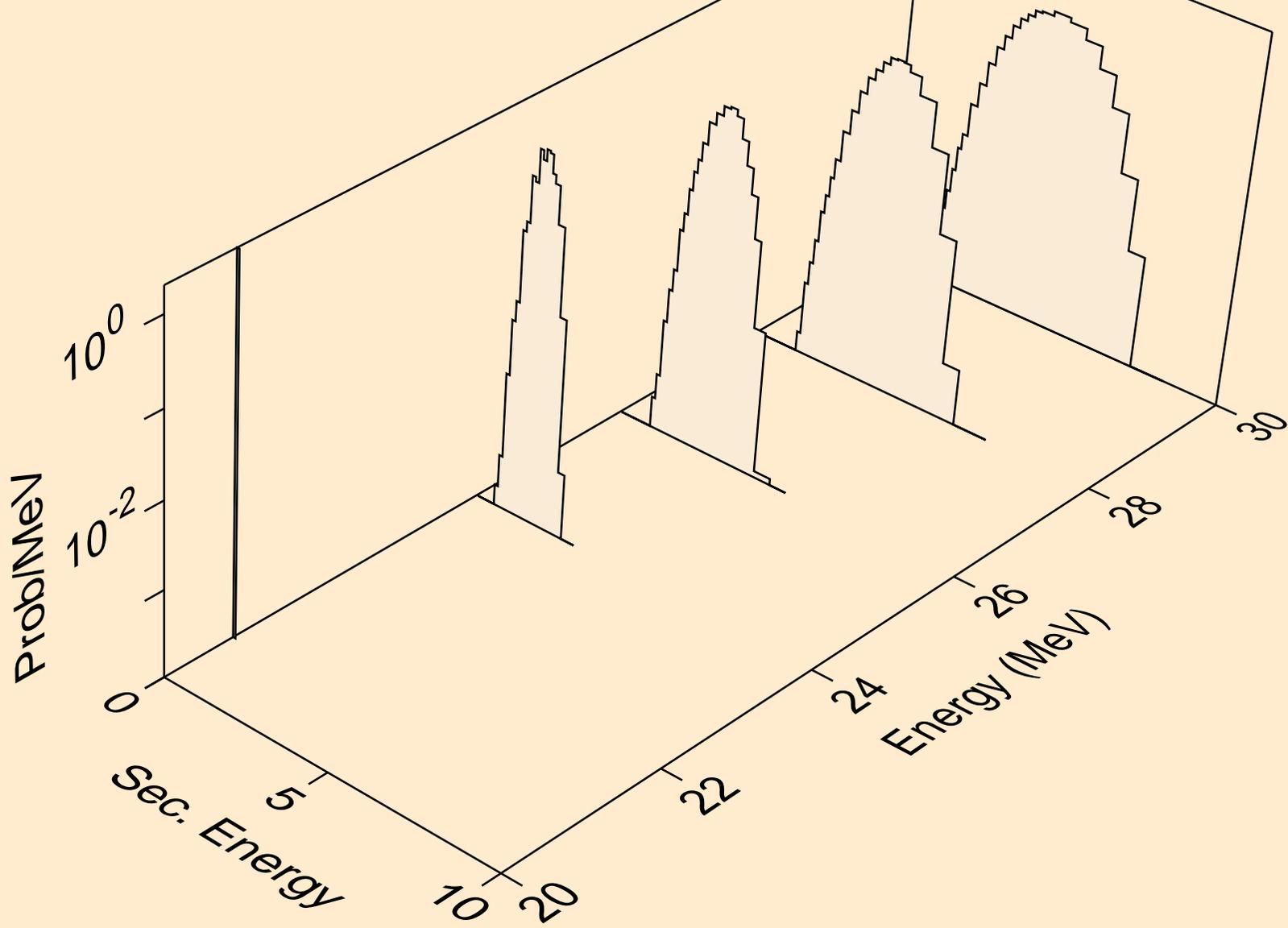
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,n\*)d



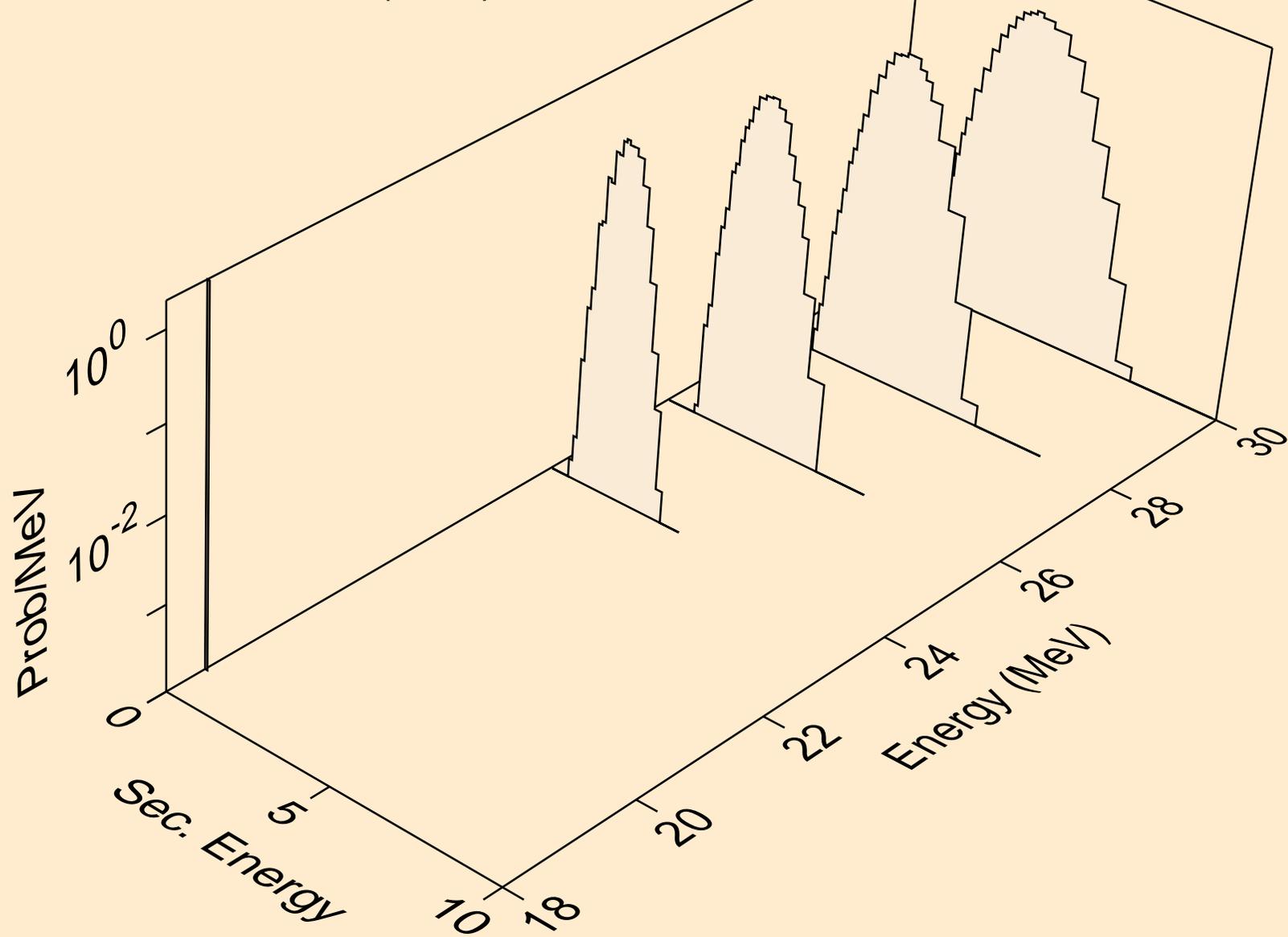
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,d)



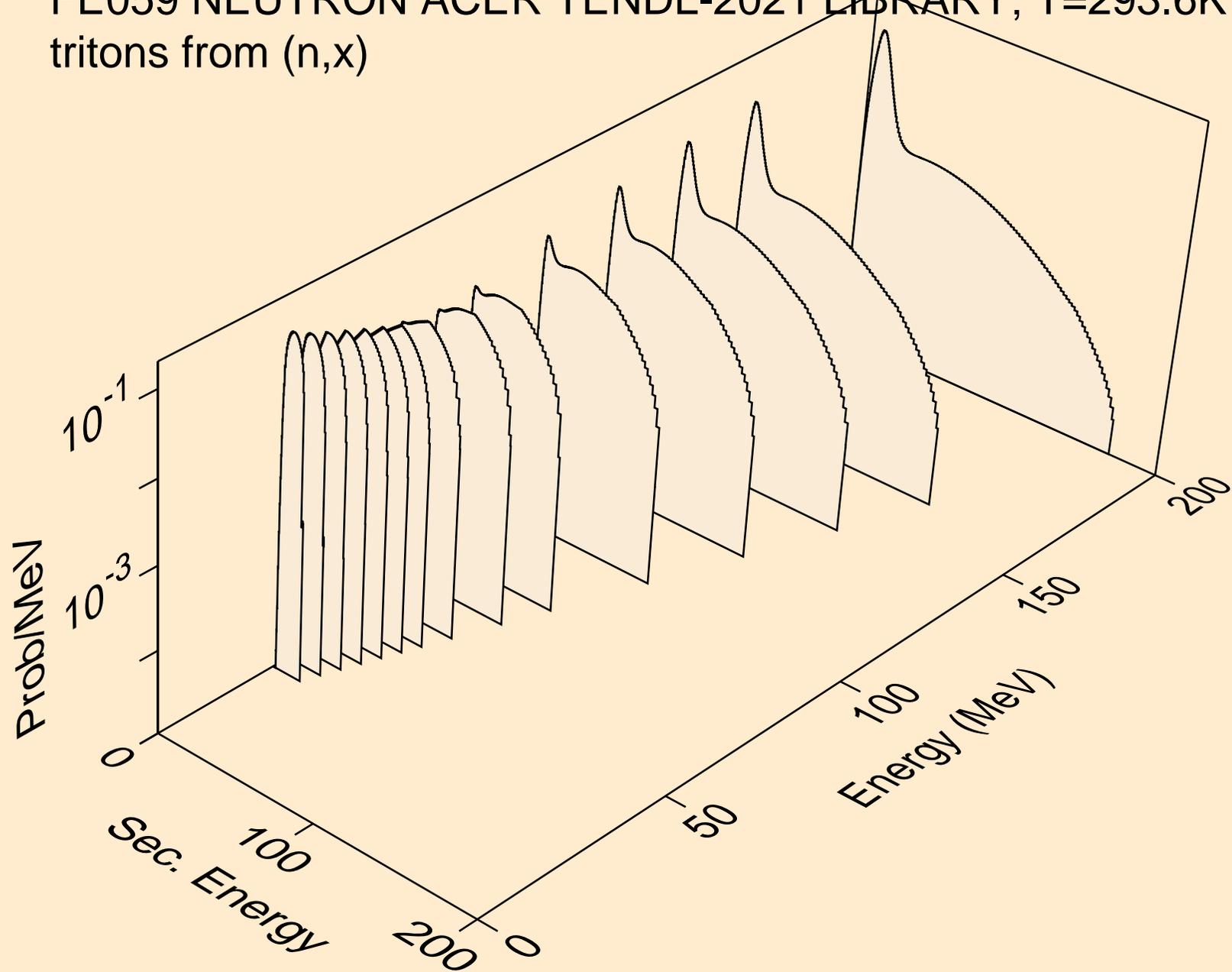
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,pd)



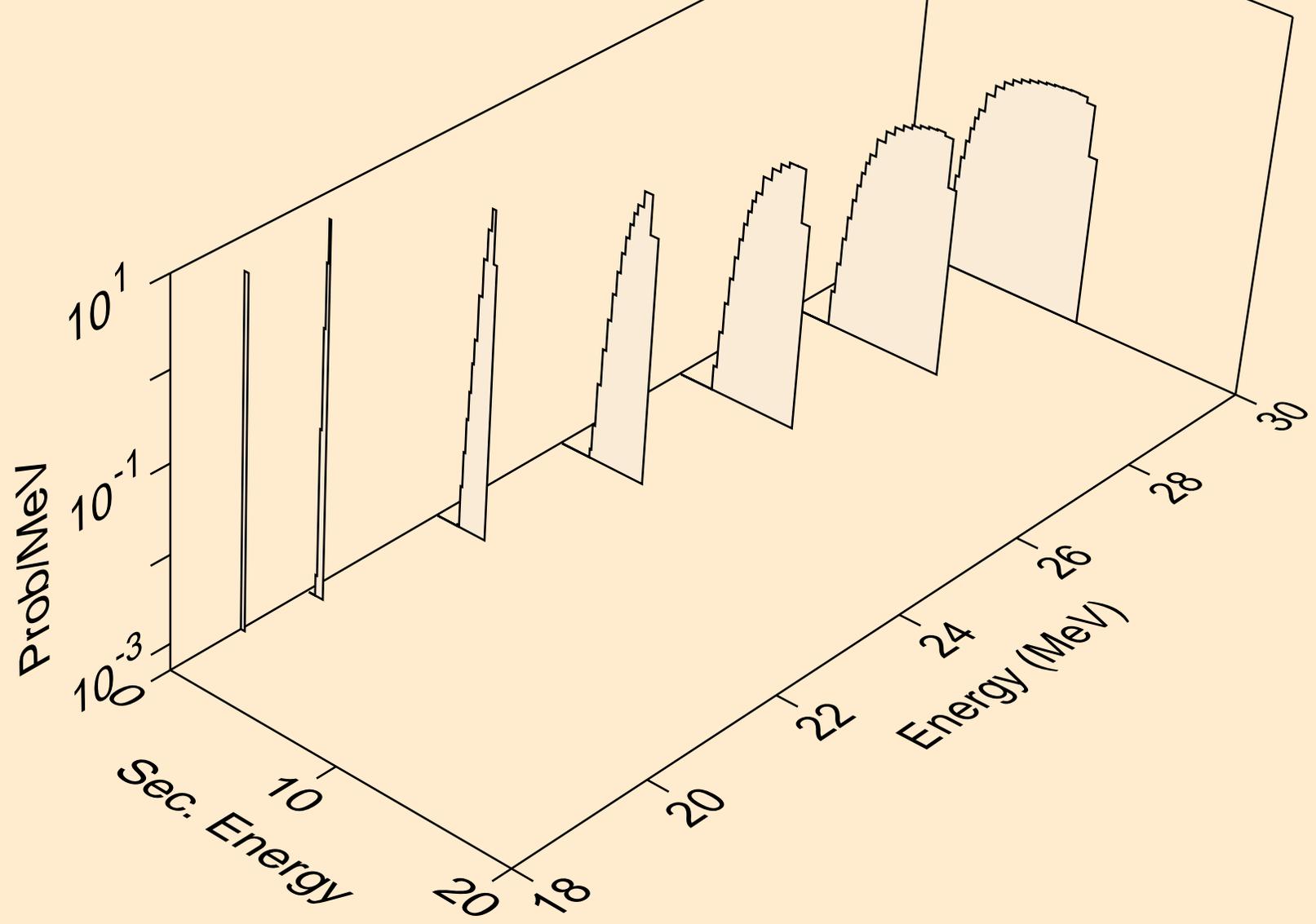
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,da)



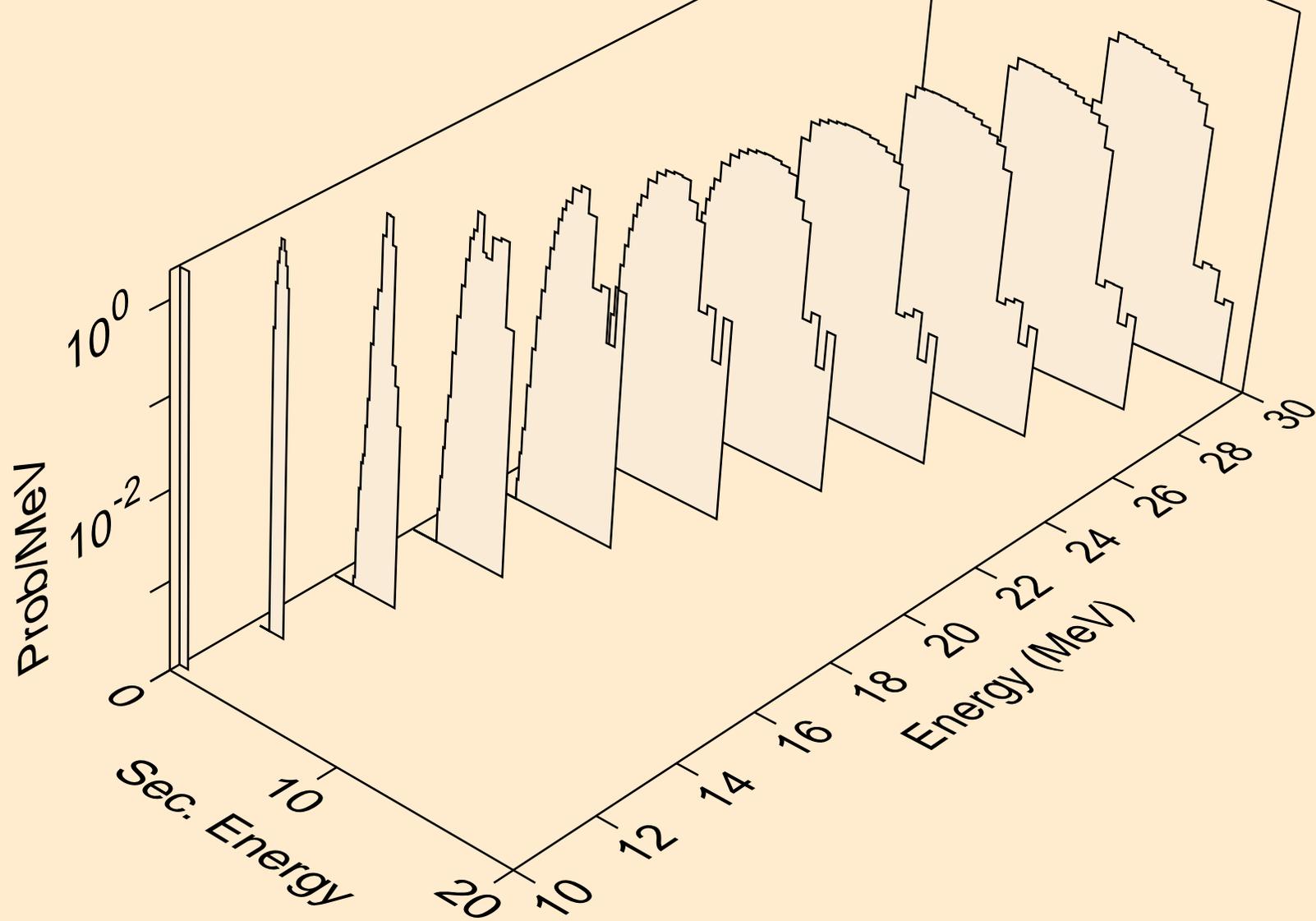
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,x)



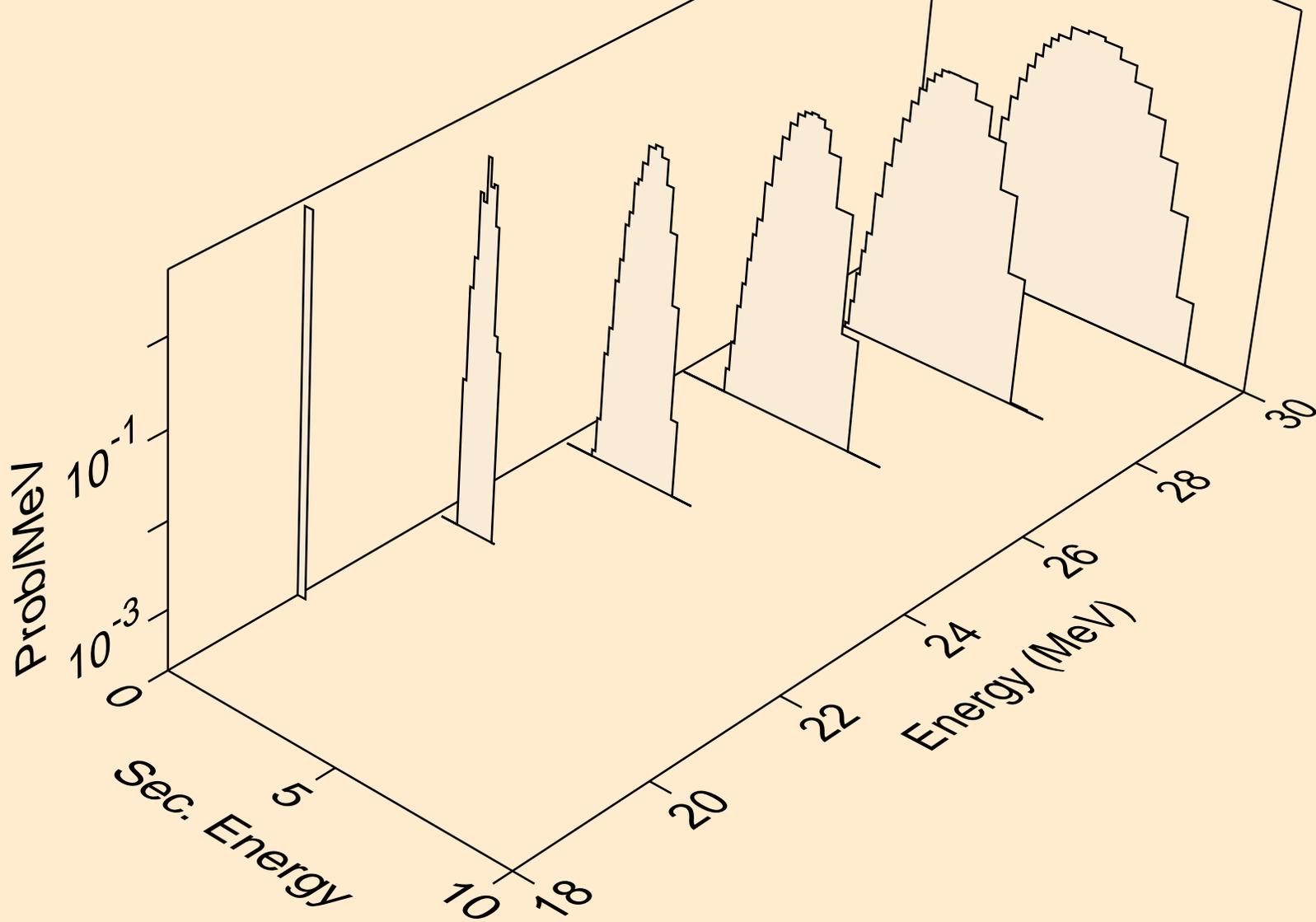
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,n\*)t



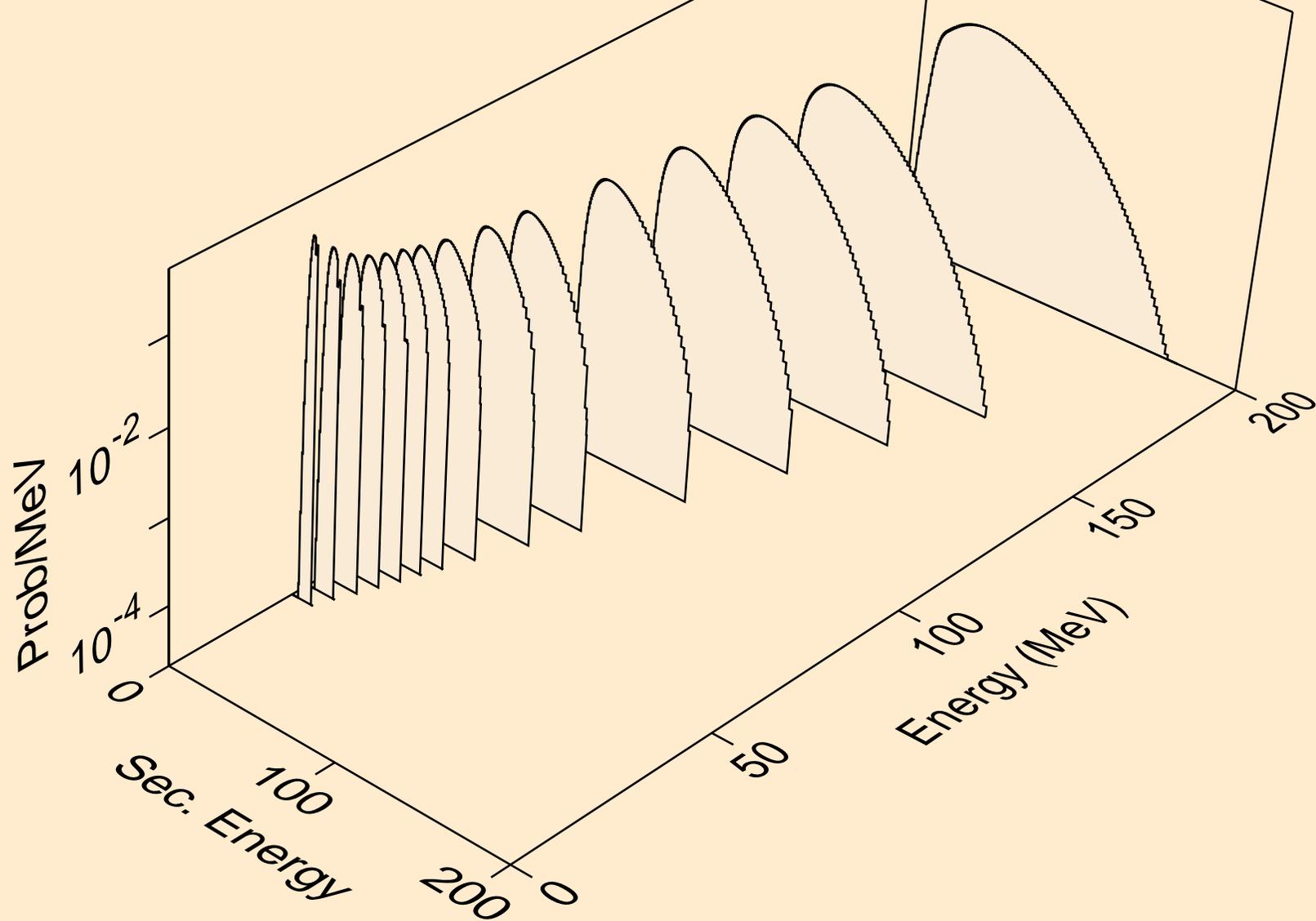
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,t)



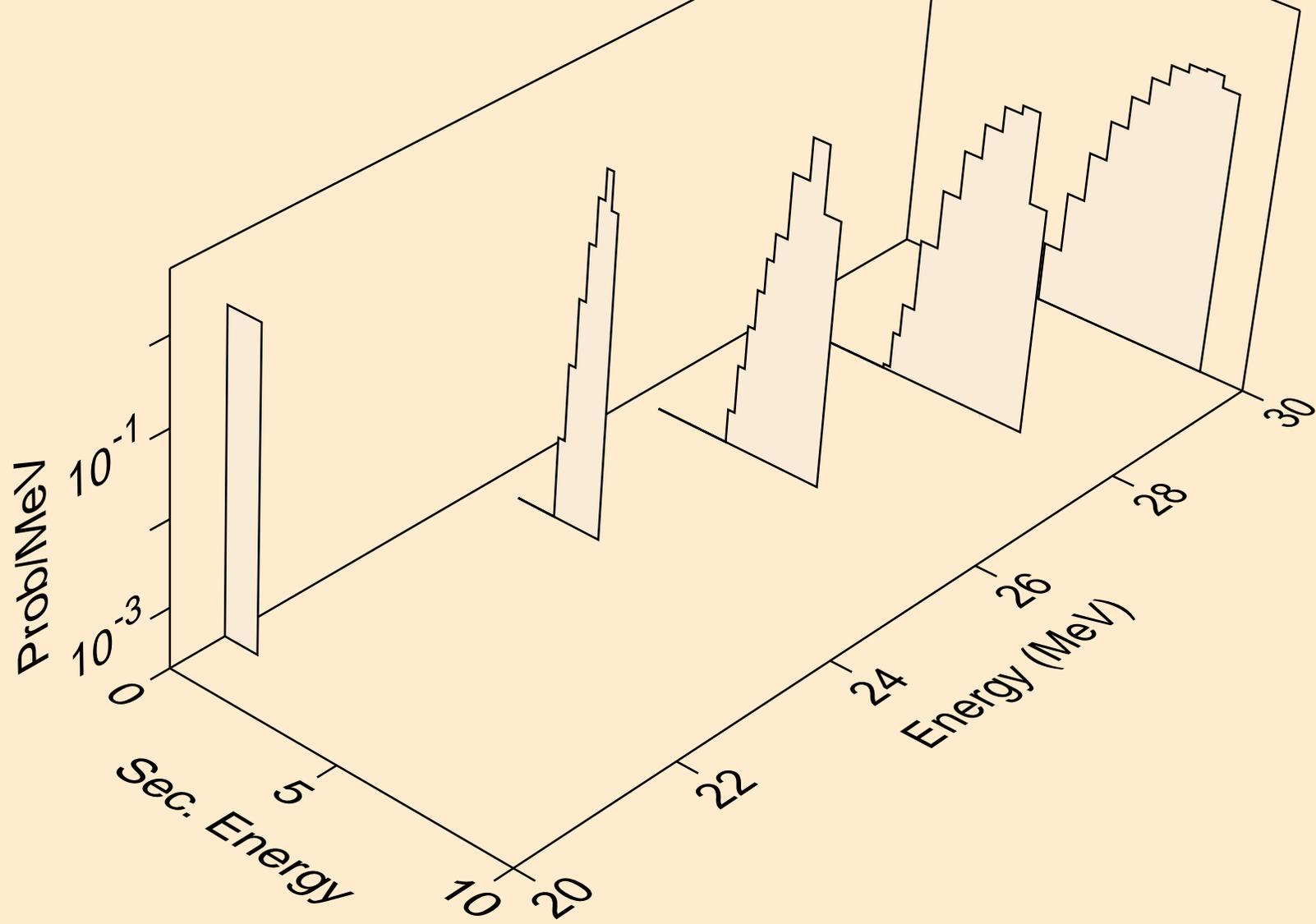
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,pt)



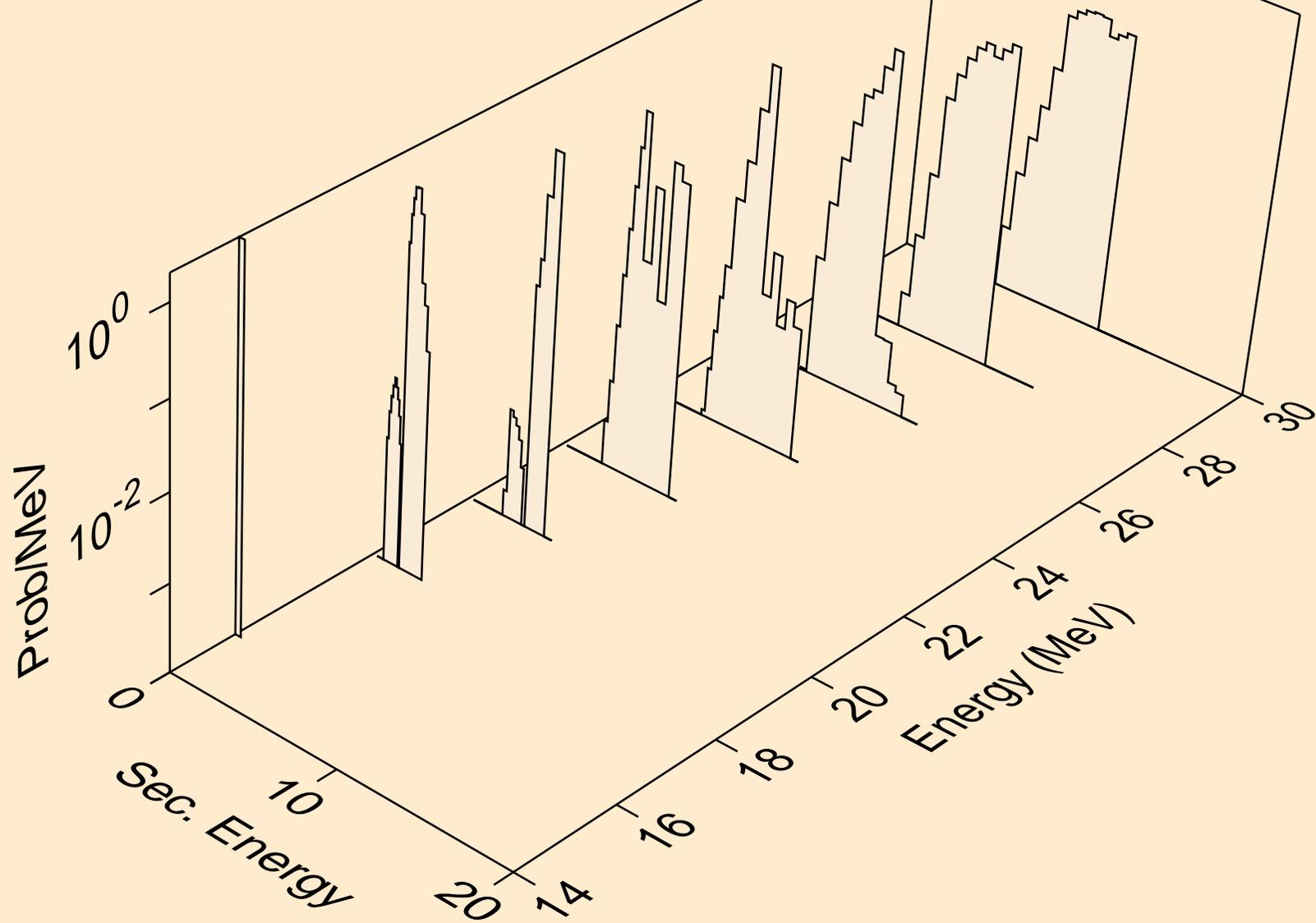
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
he3s from (n,x)



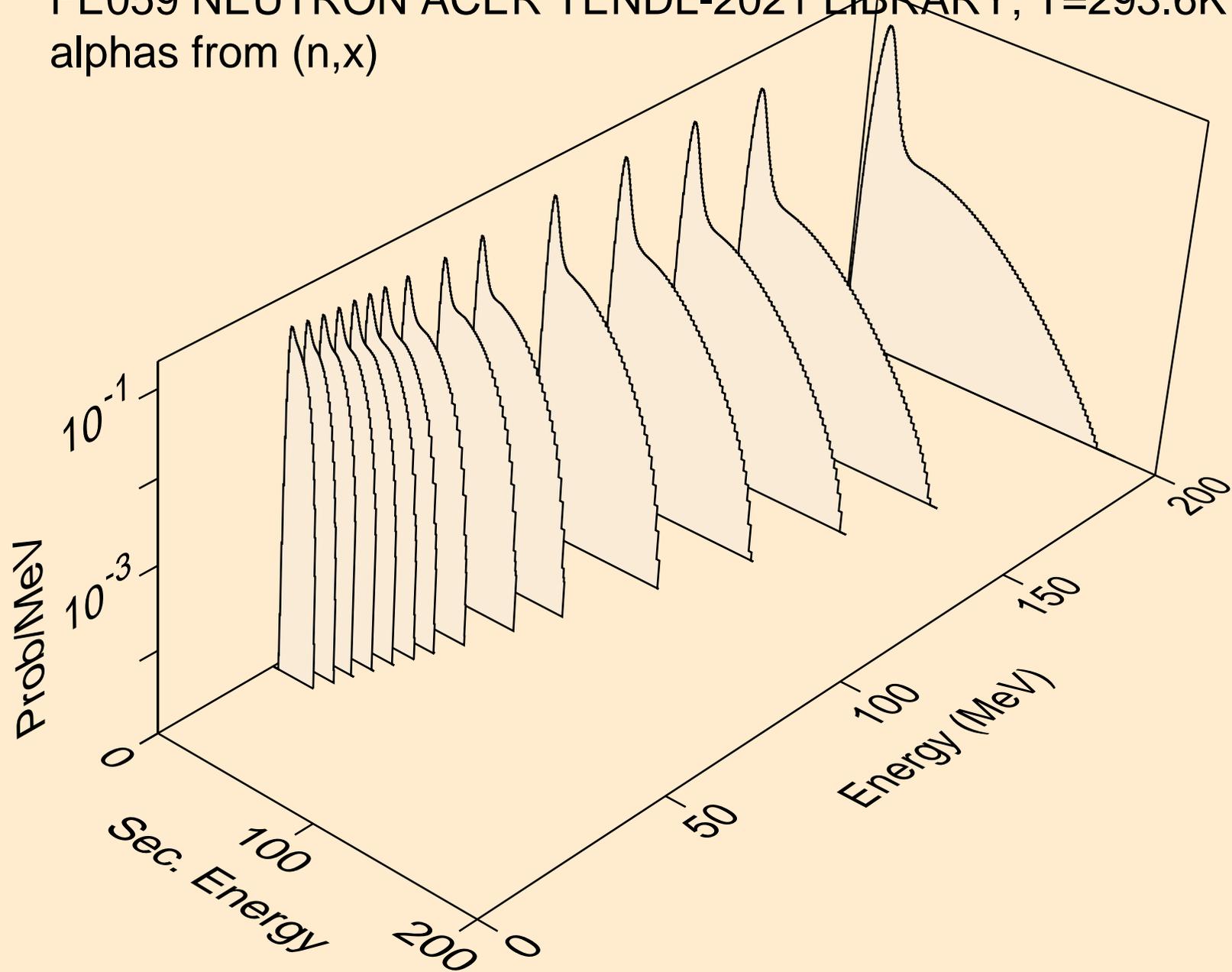
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
he3s from (n,n\*)he3



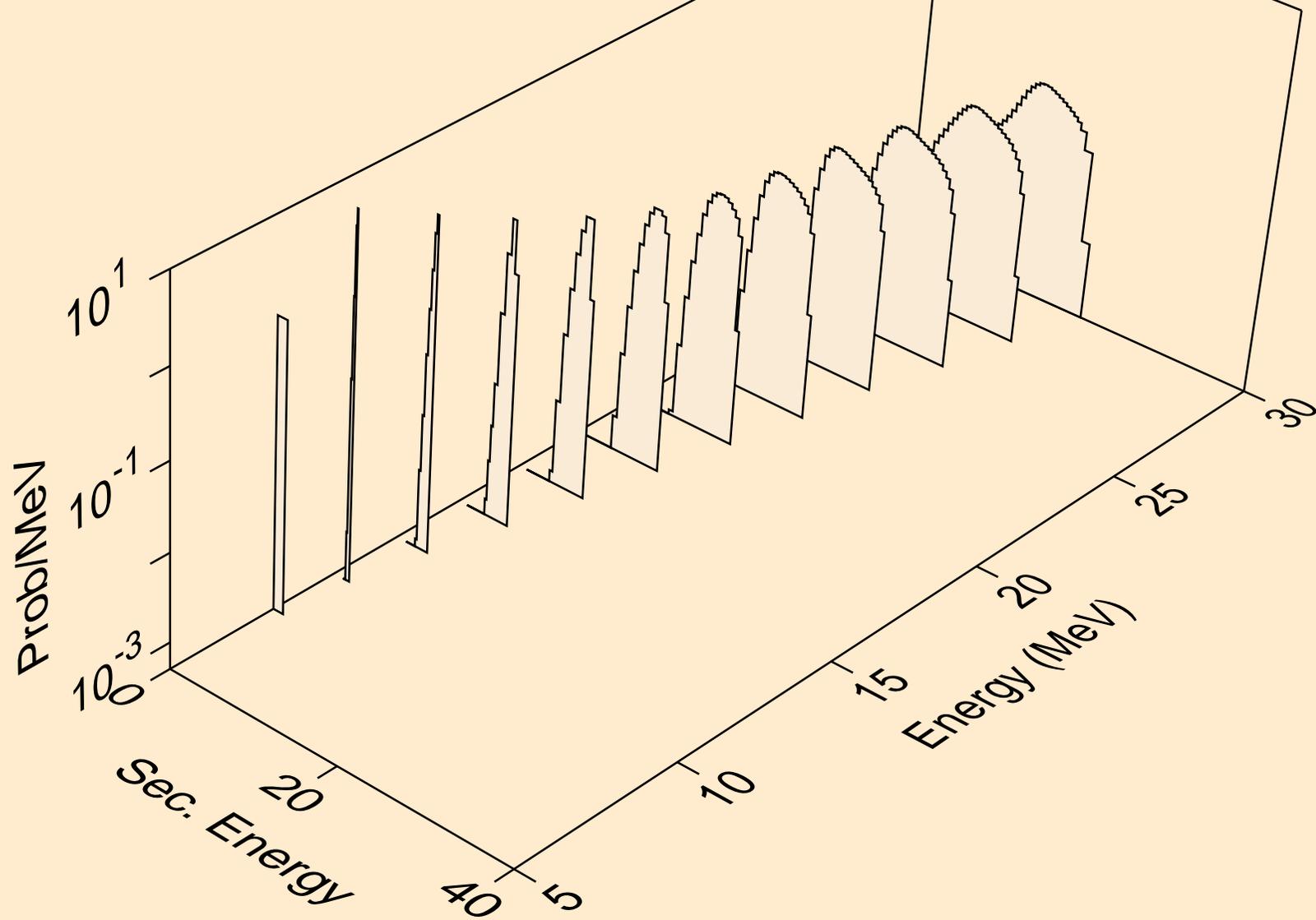
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
he3s from (n,he3)



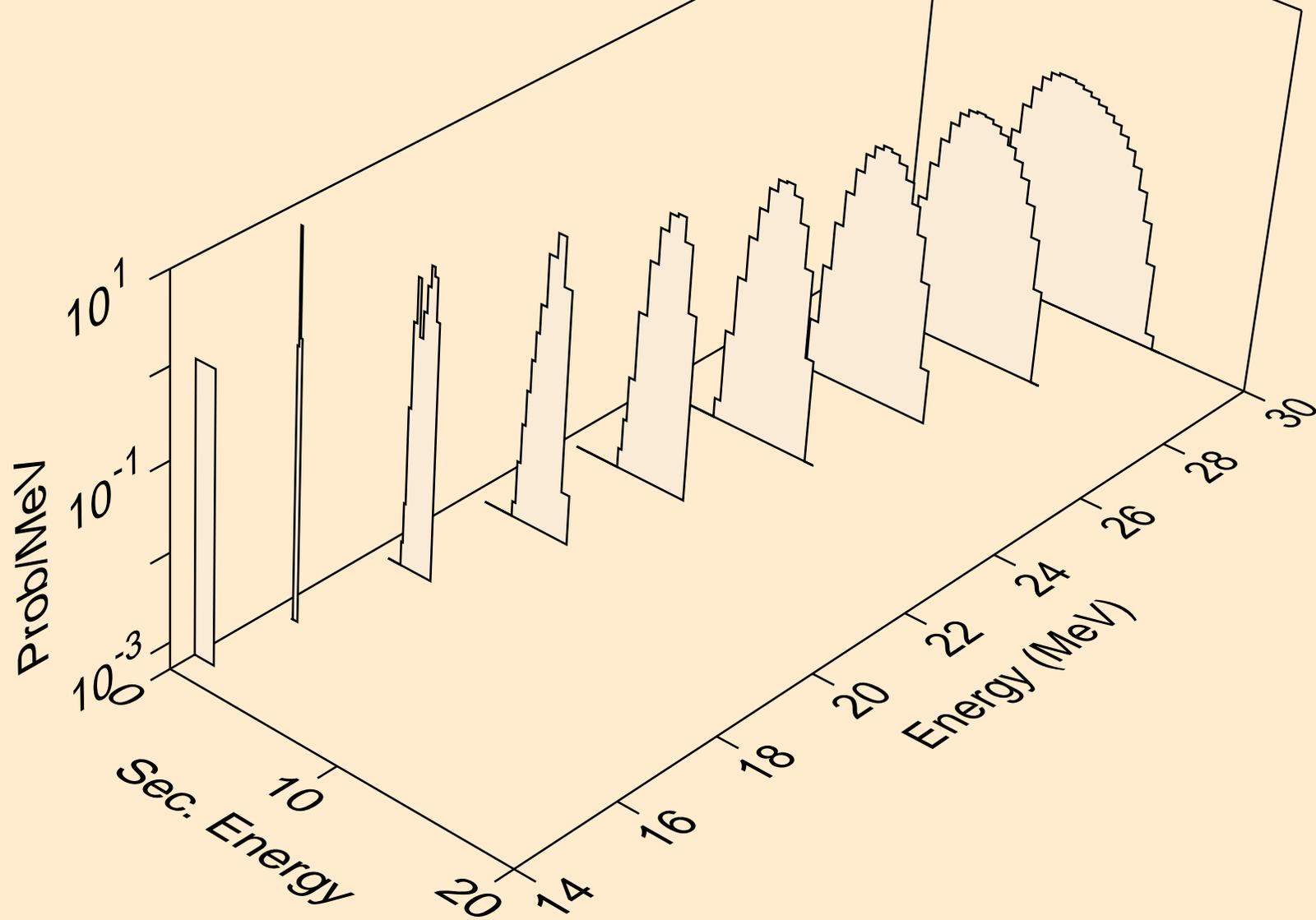
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,x)



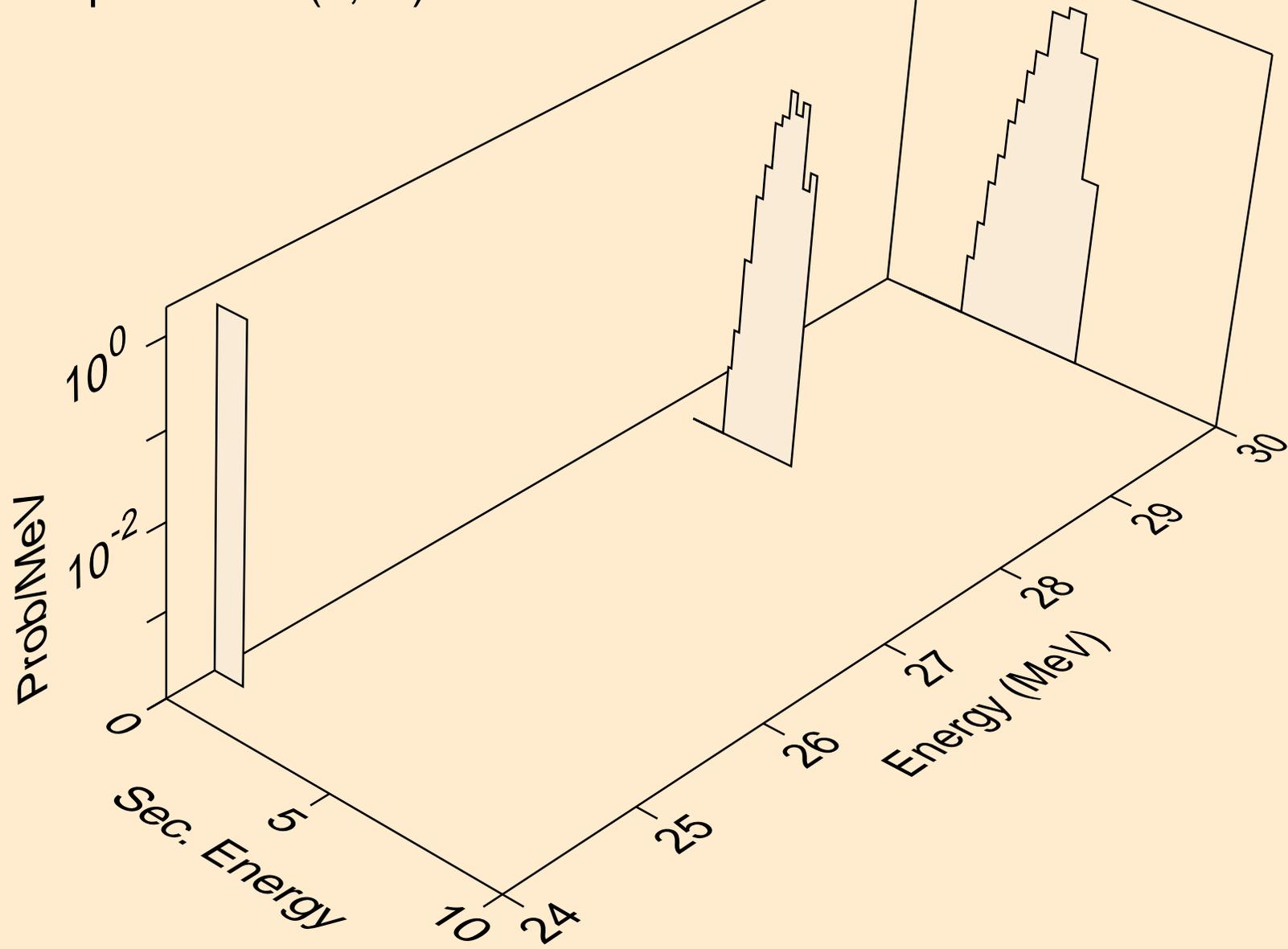
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,n\*)a



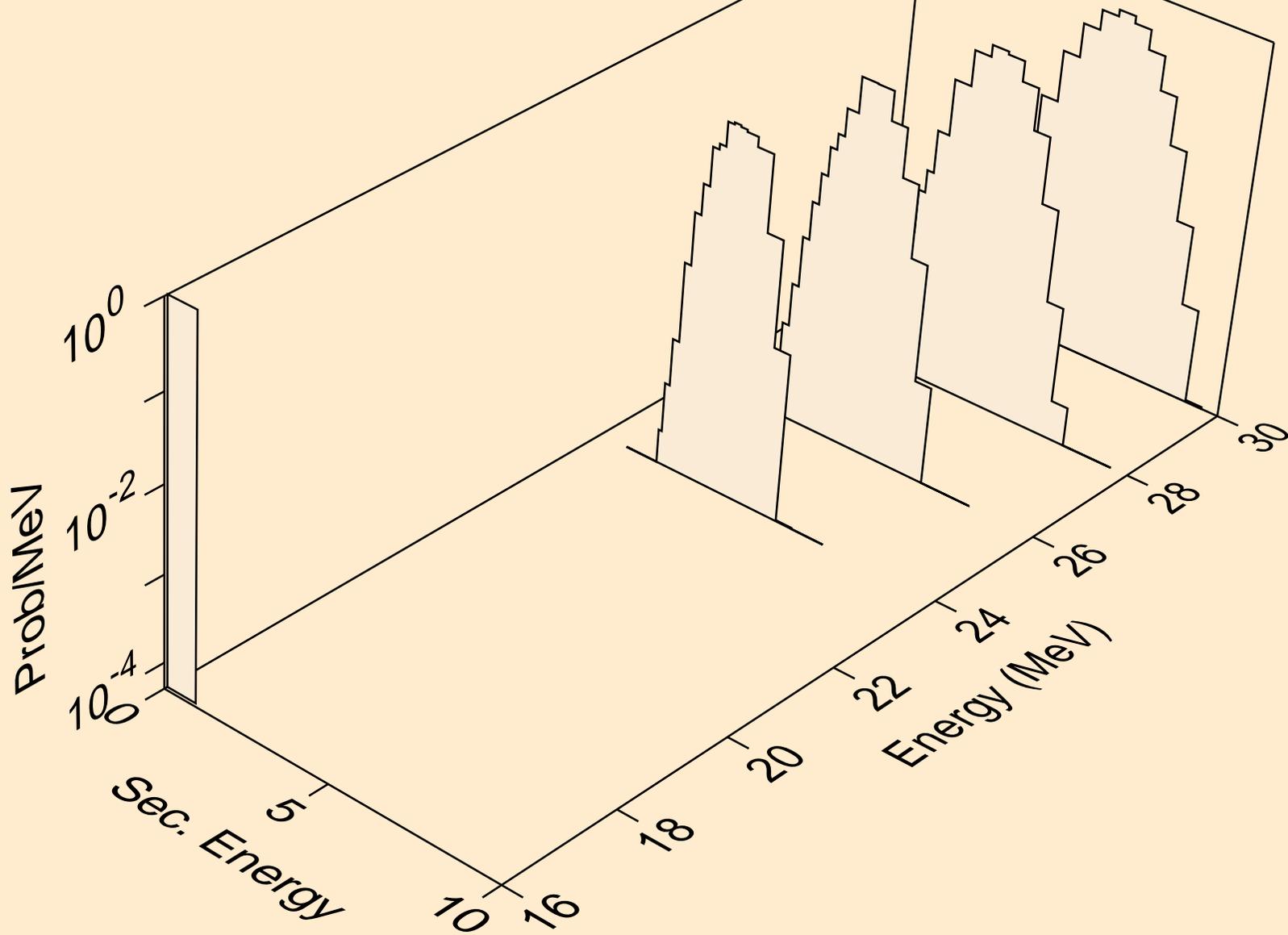
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2n)a



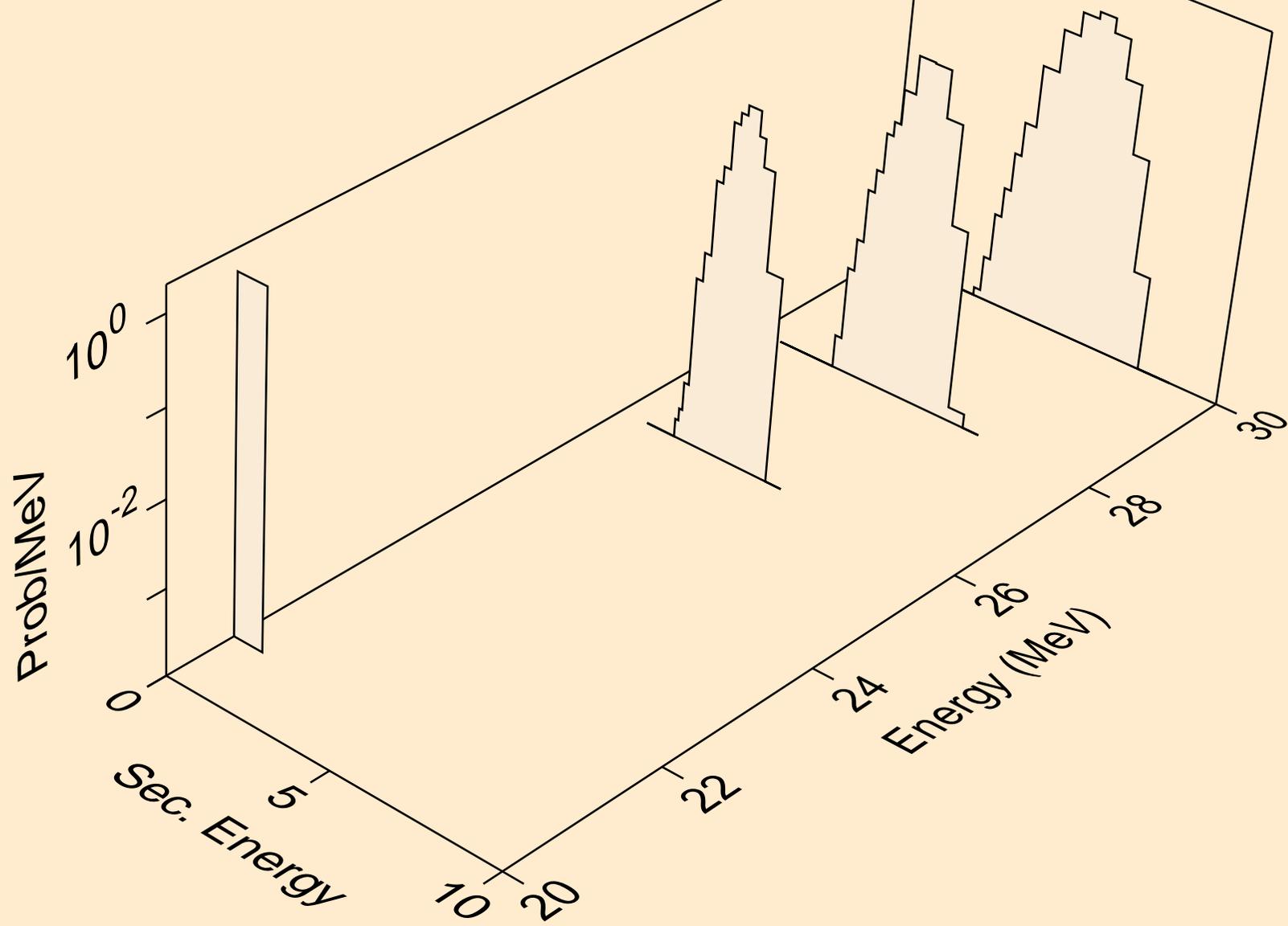
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,3n)a



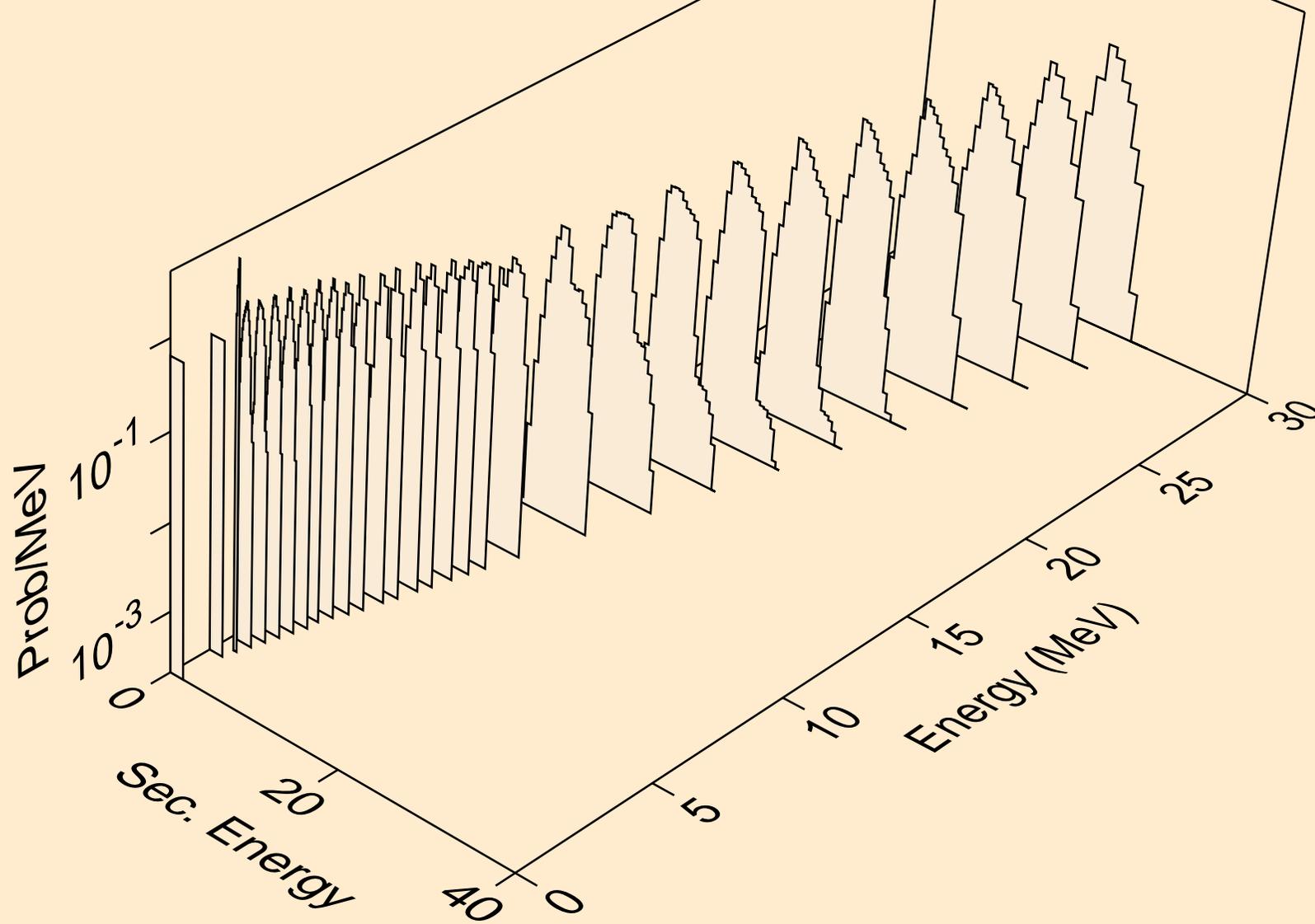
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,n\*)2a



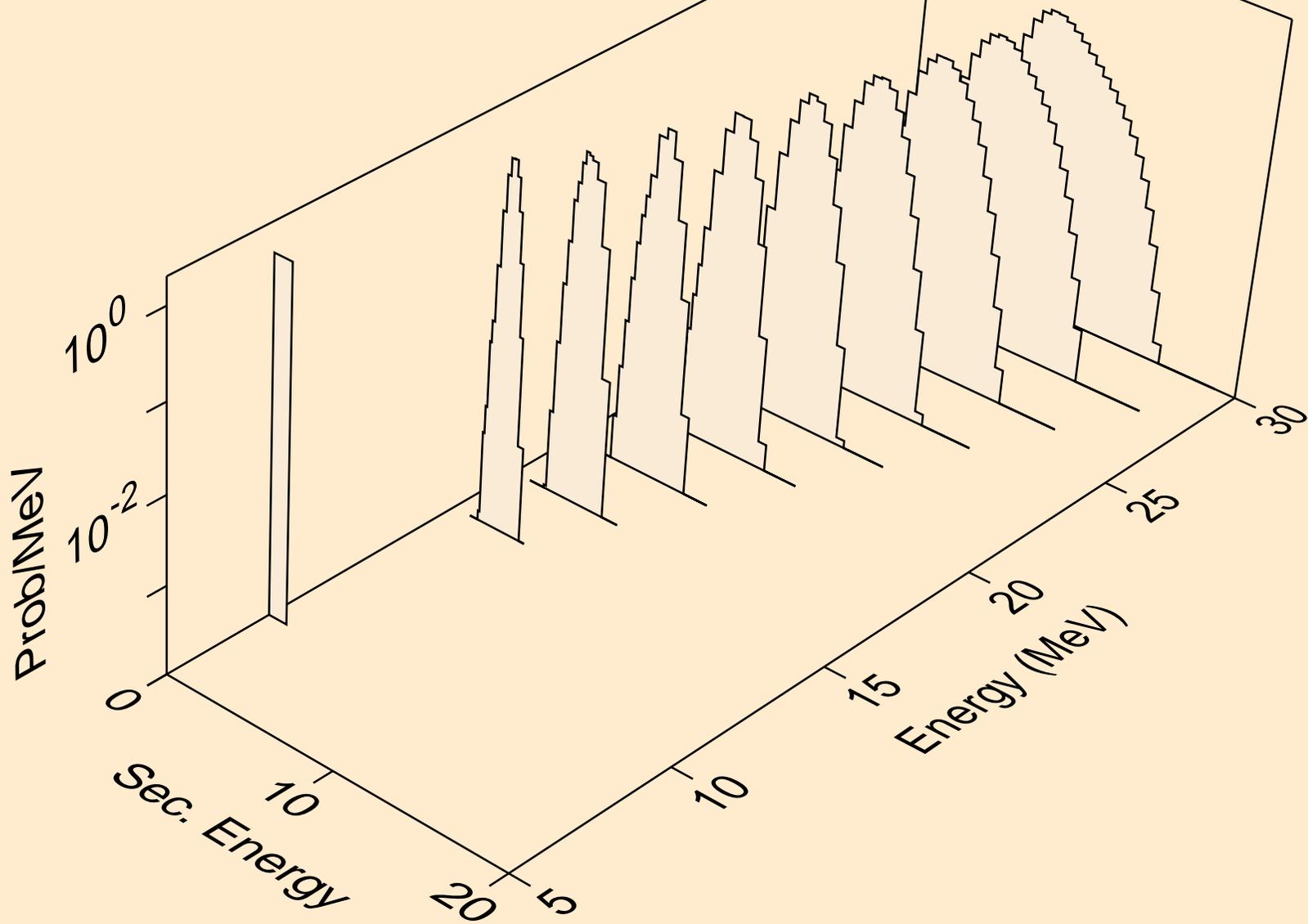
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,npa)



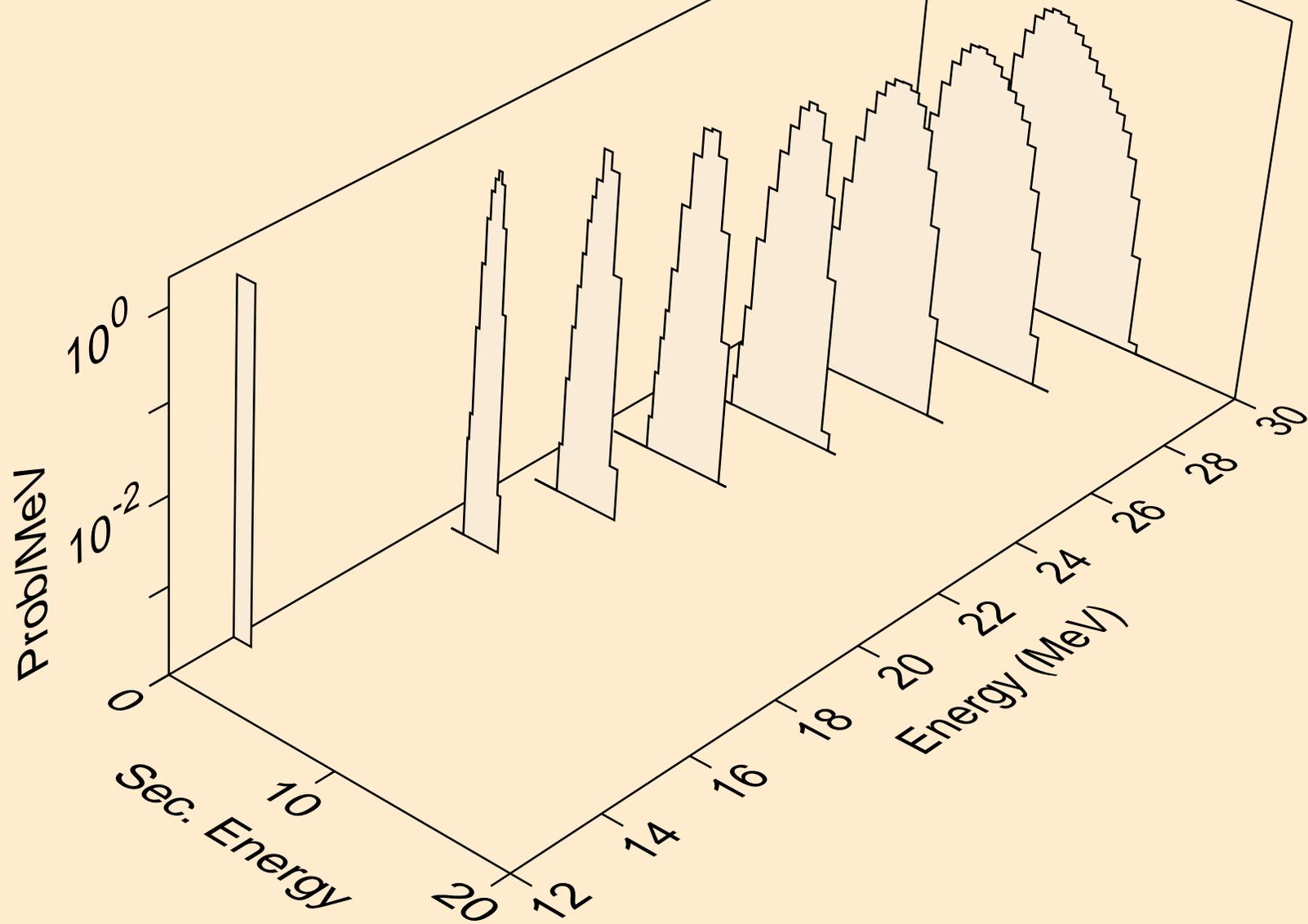
FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,a)



FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2a)



FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,pa)



FE059 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,da)

