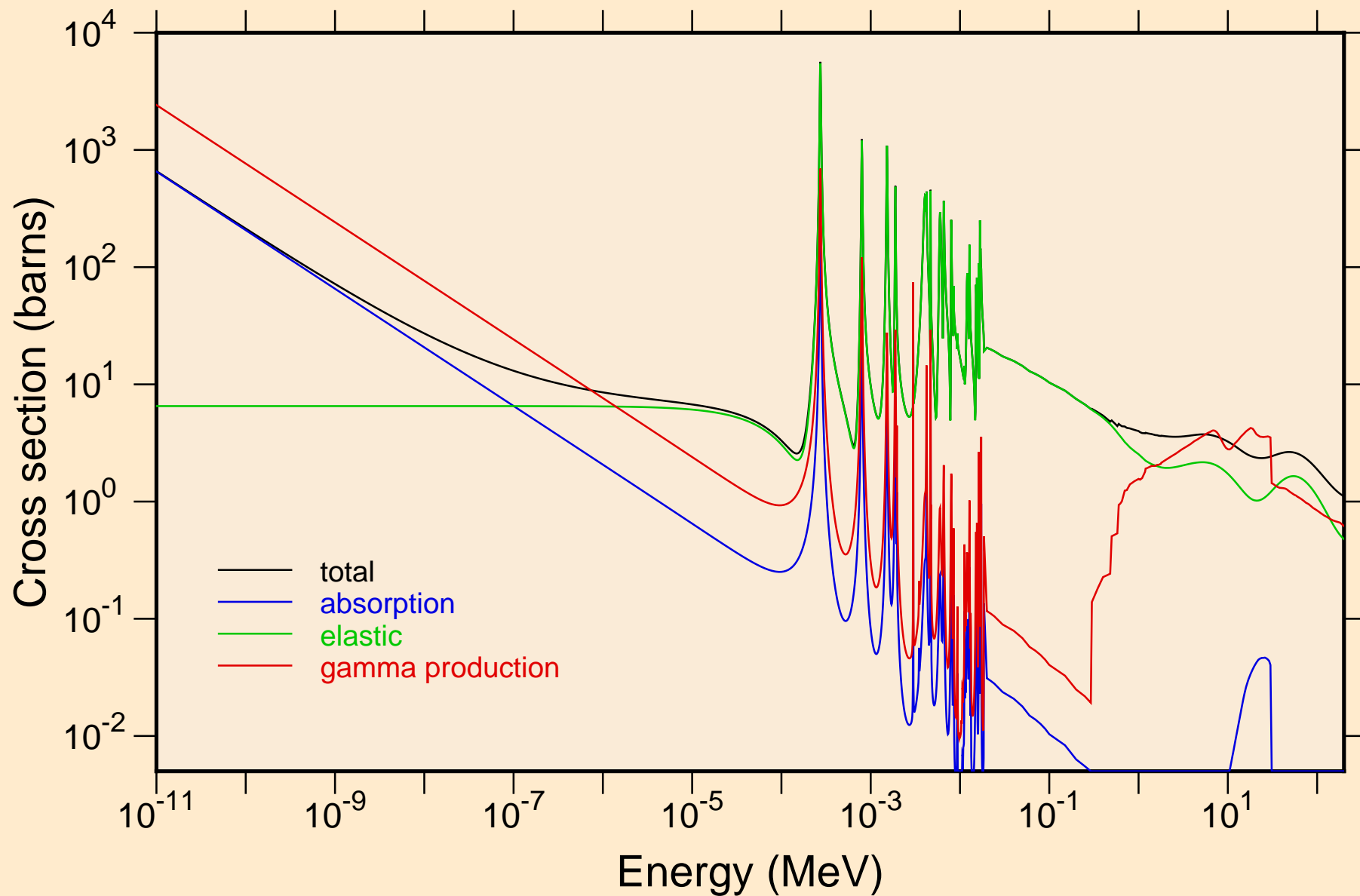
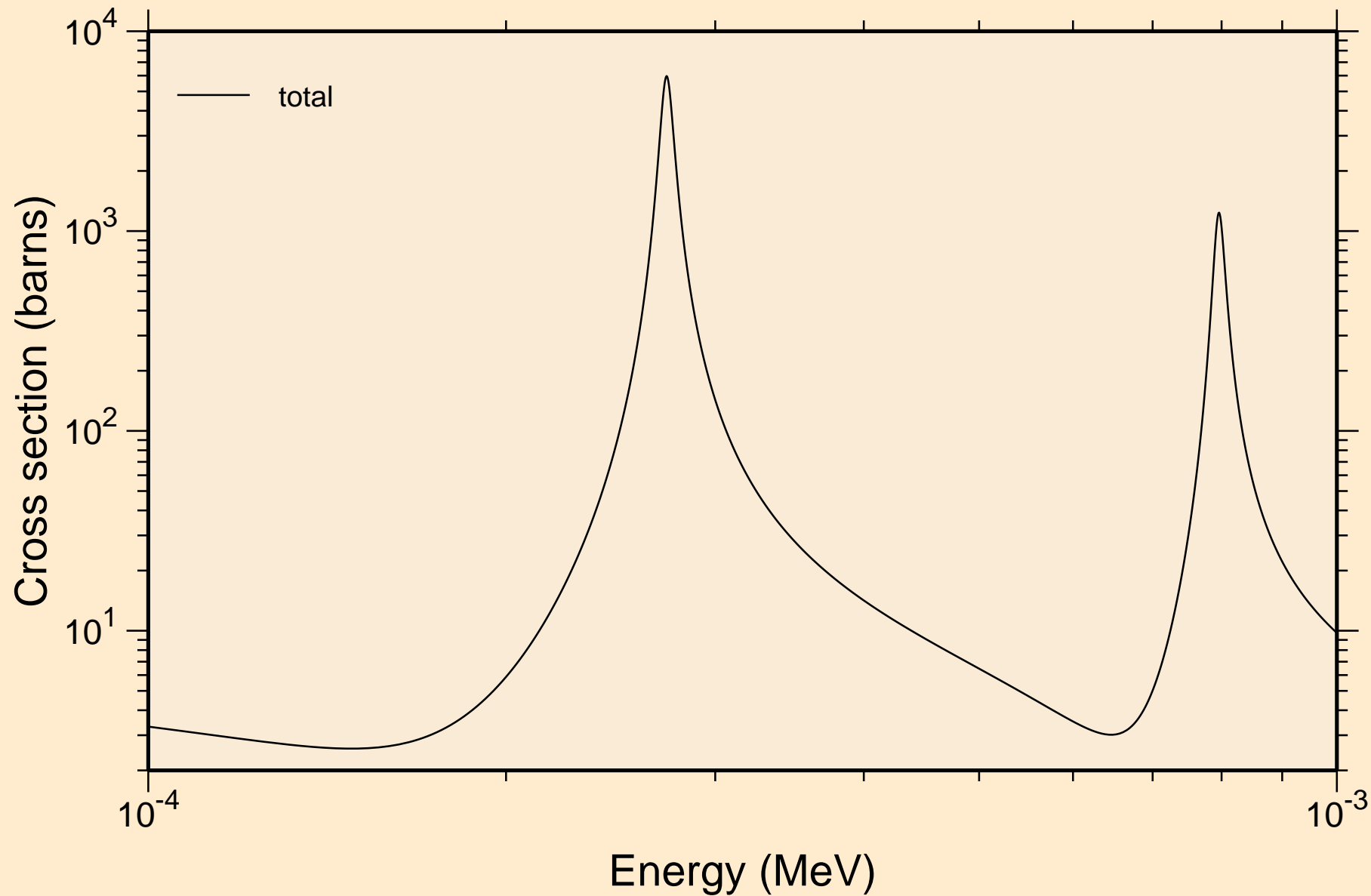


# FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

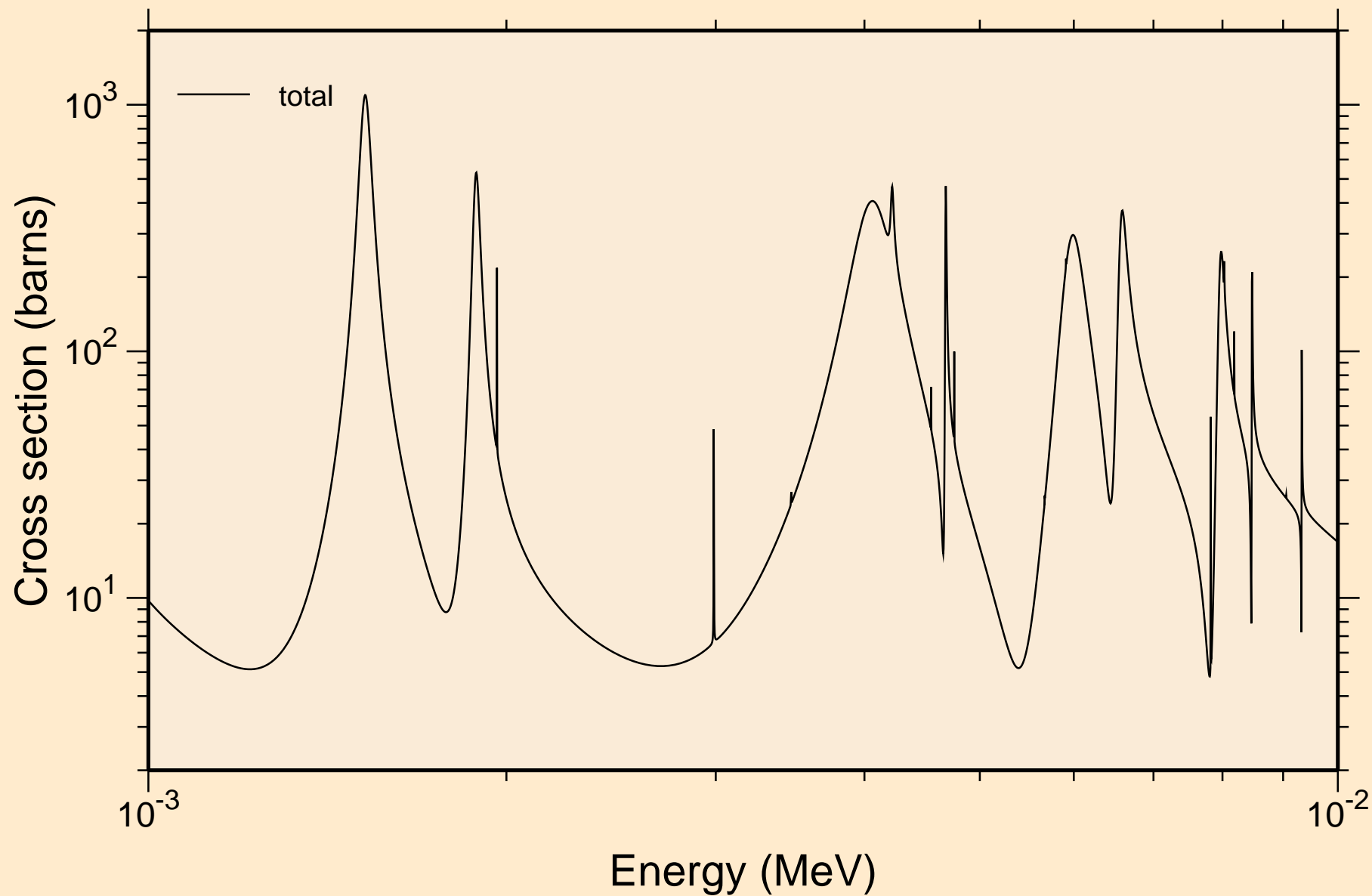
## Principal cross sections



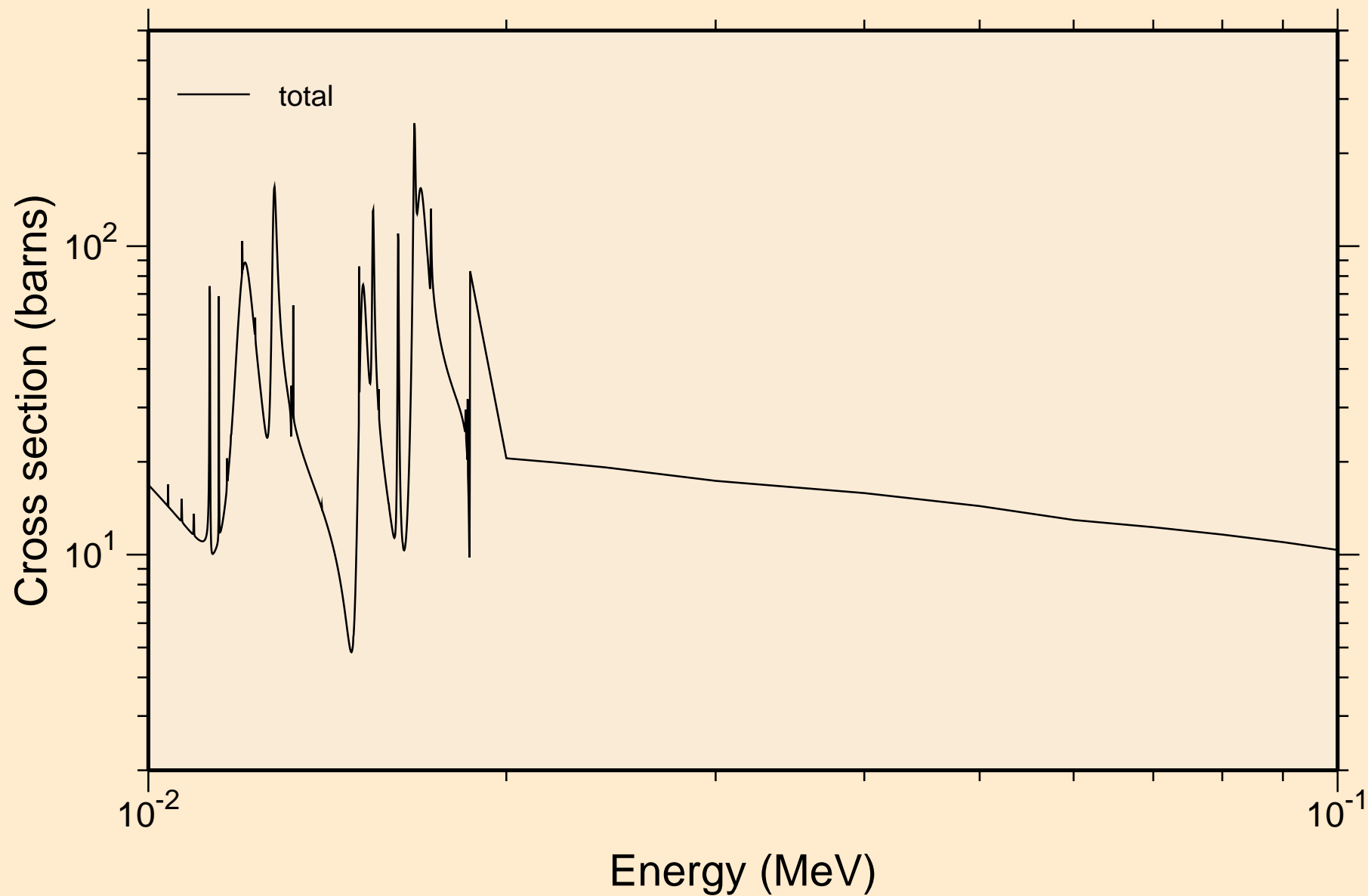
FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



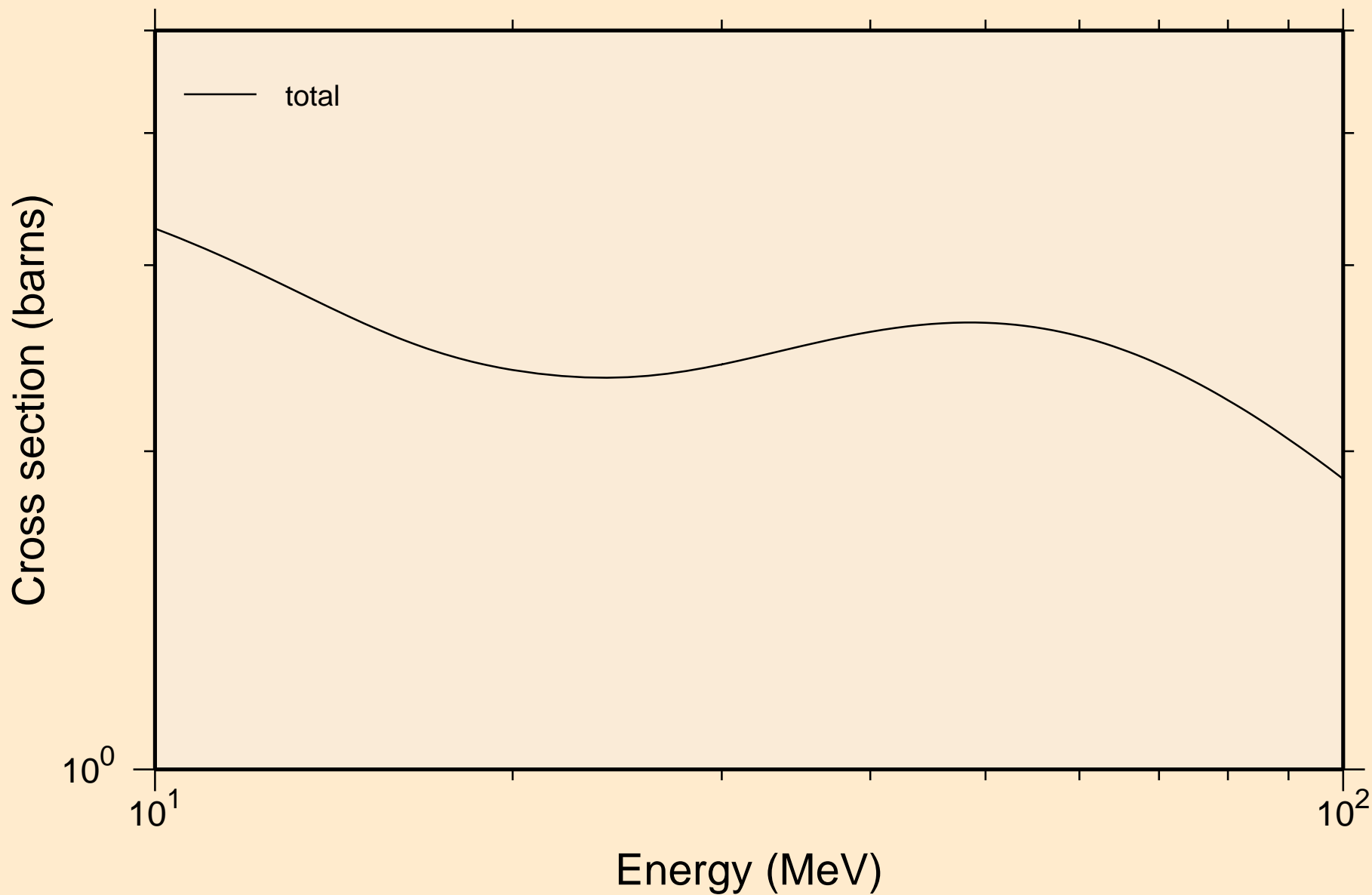
FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



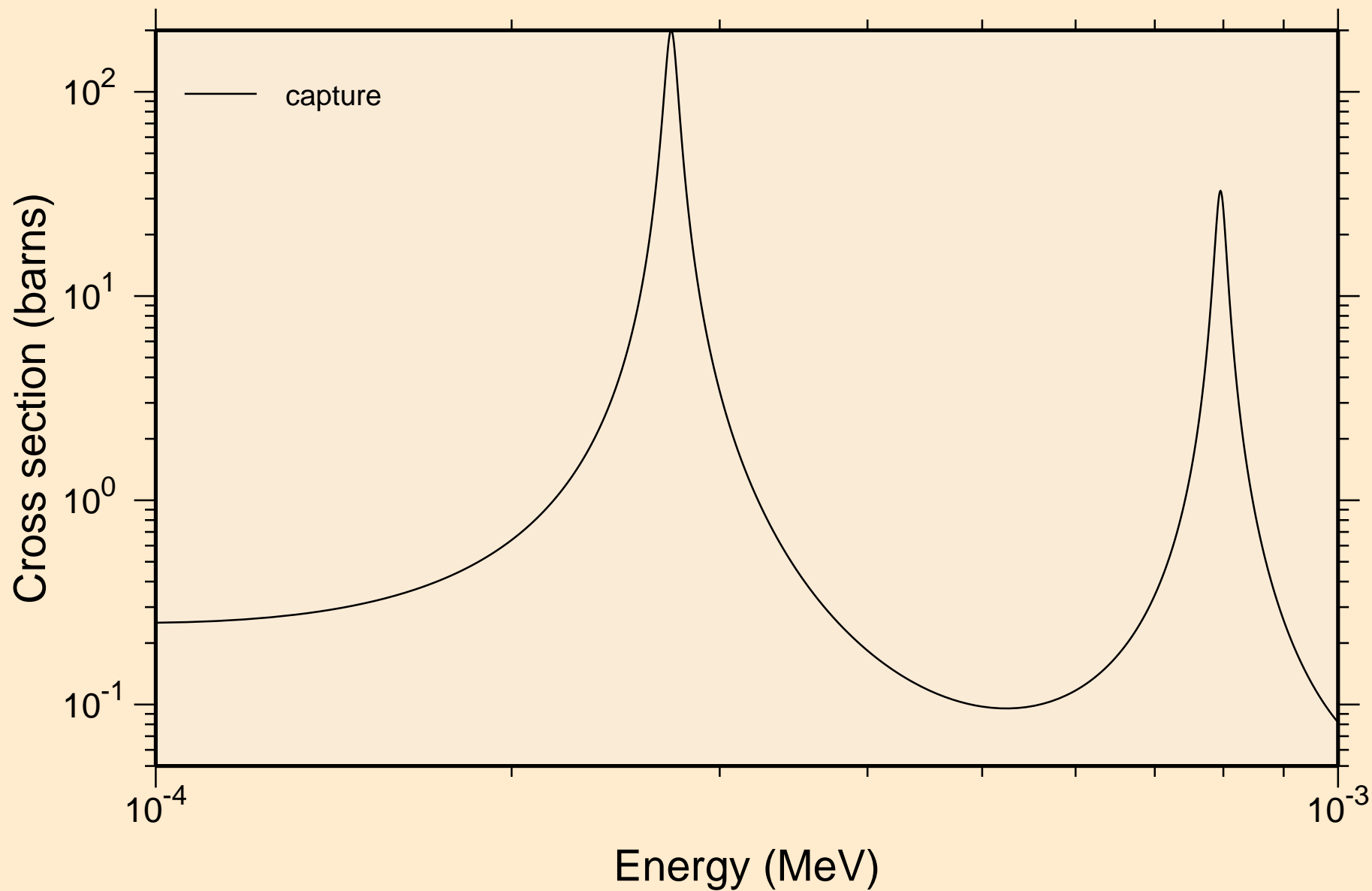
FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



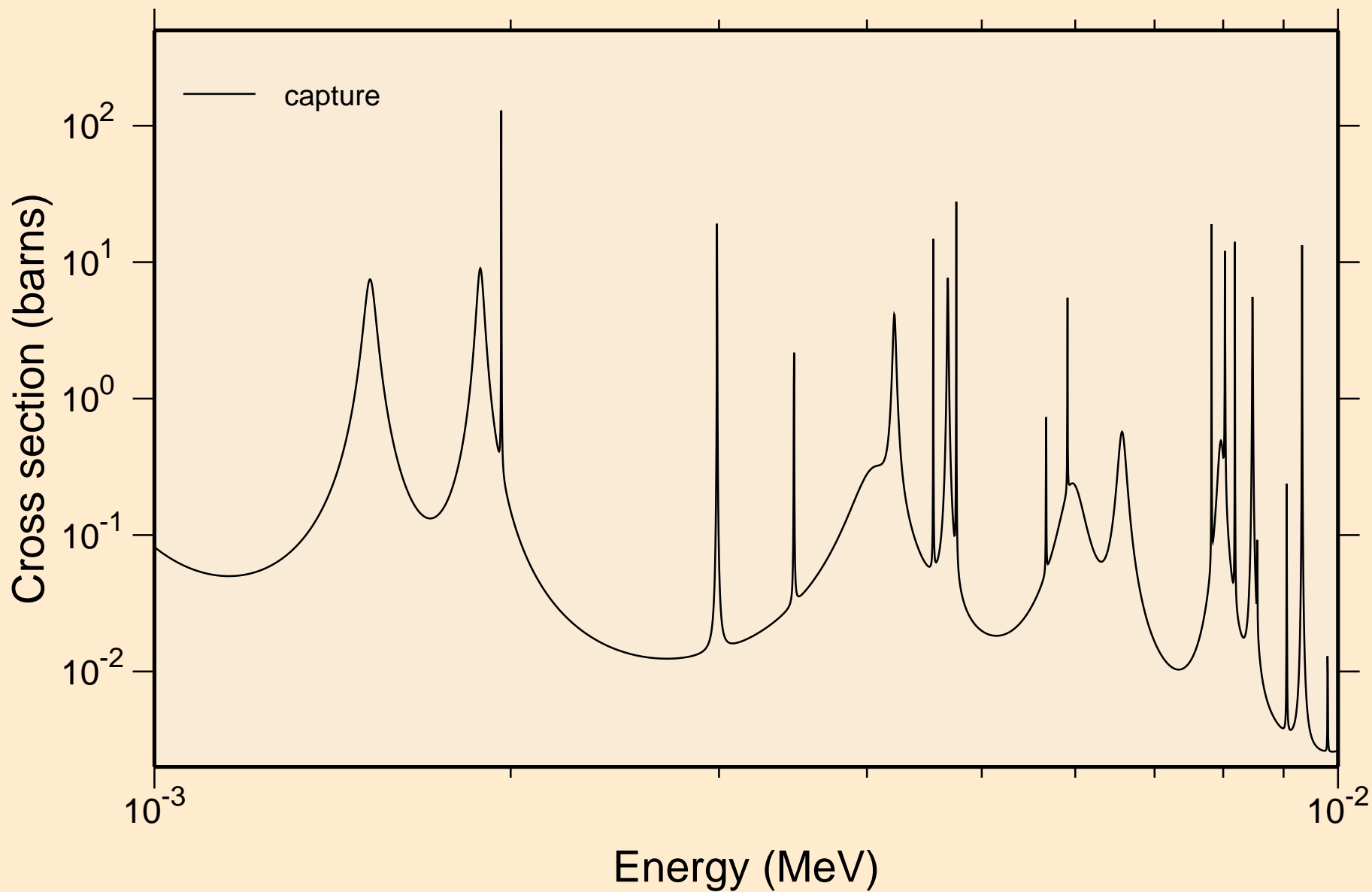
FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



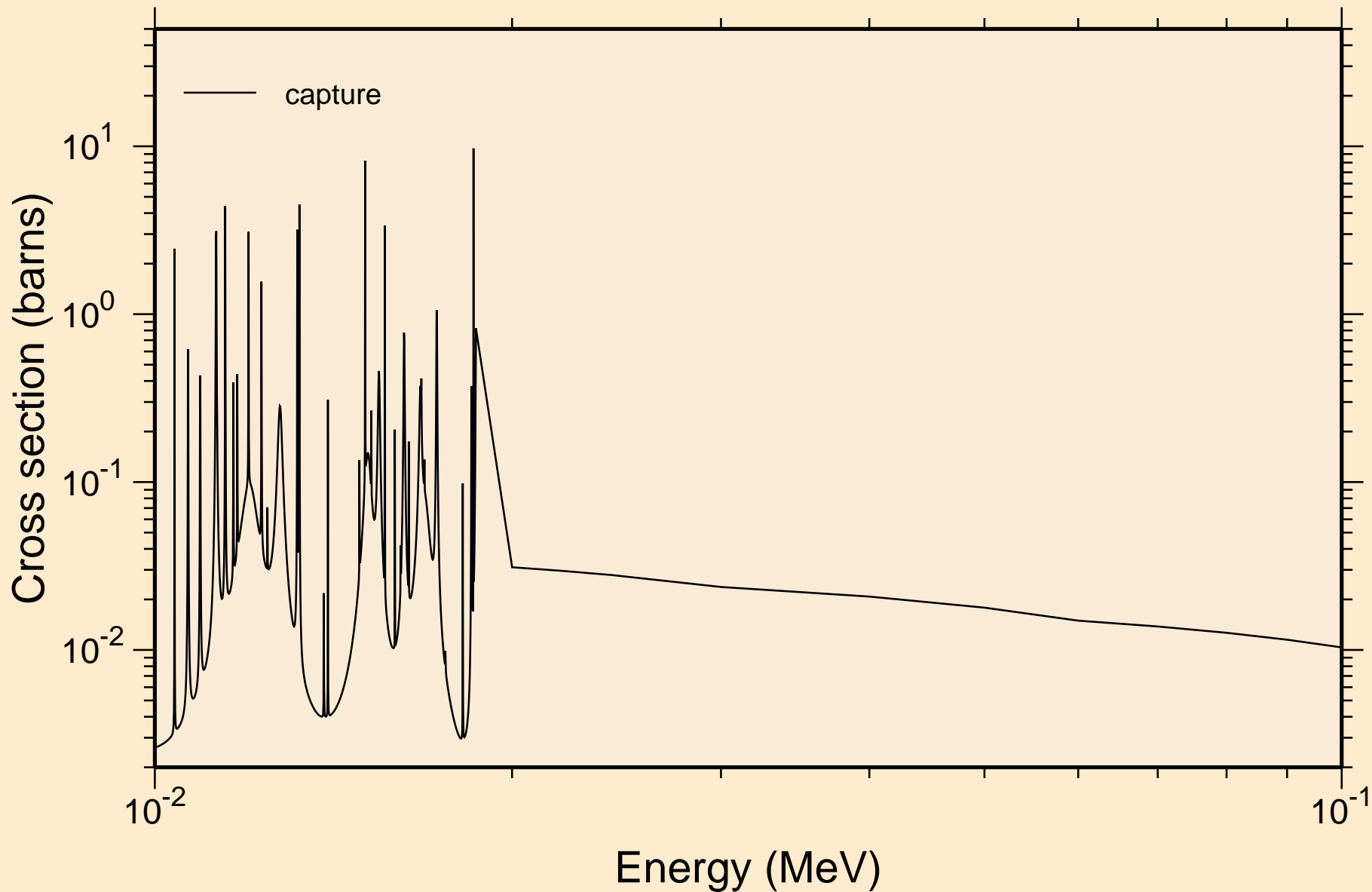
FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

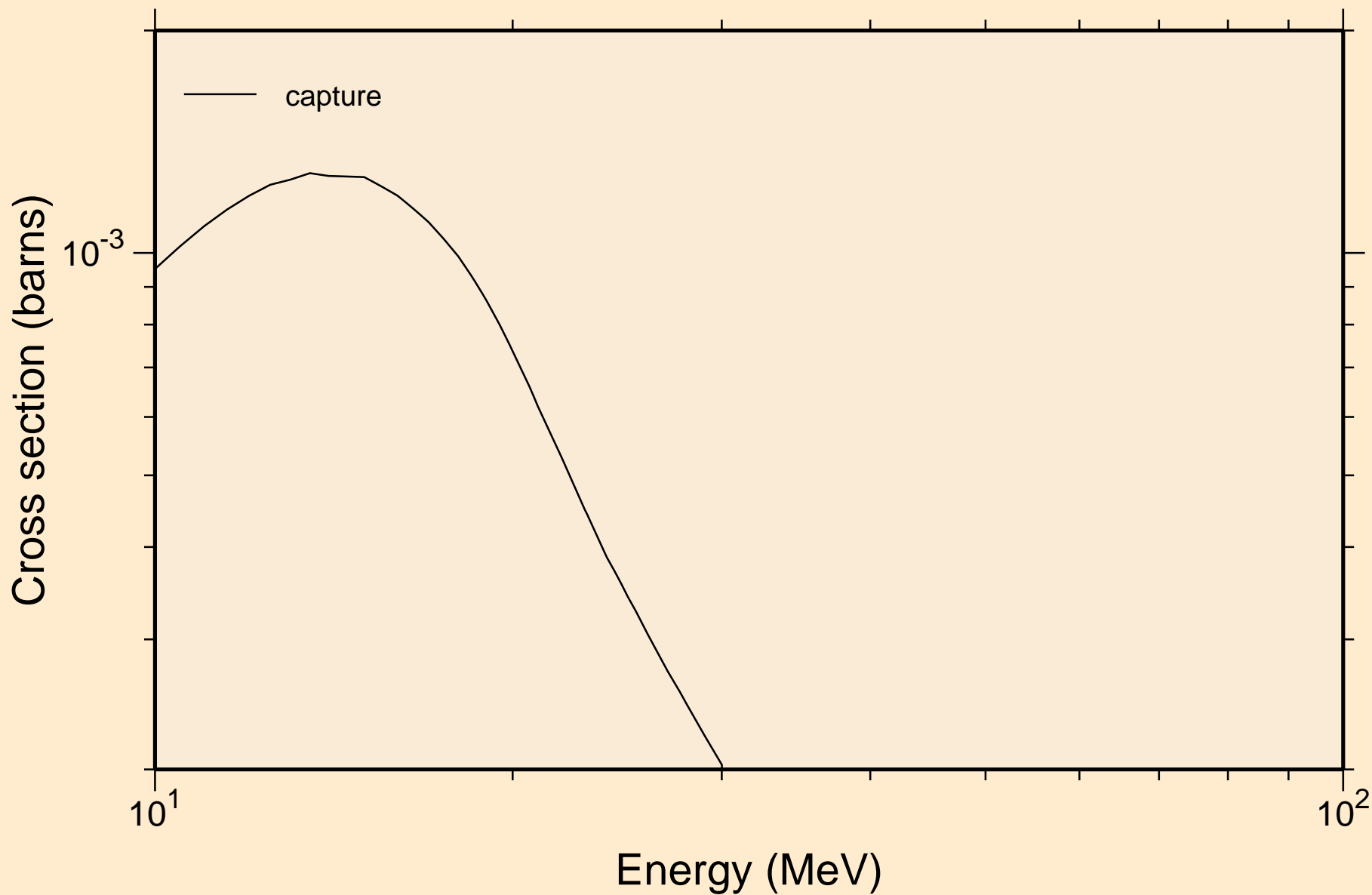


FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

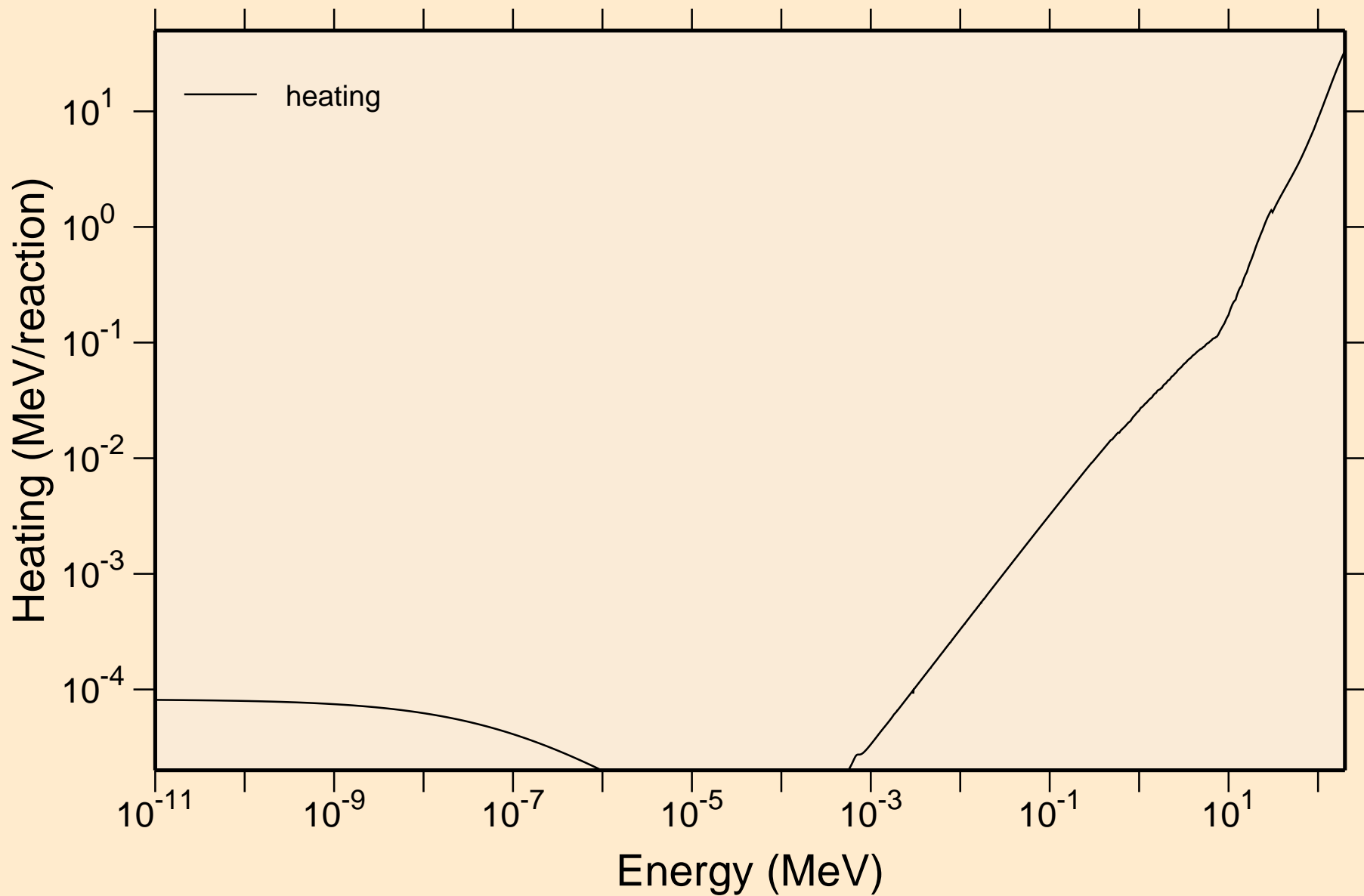




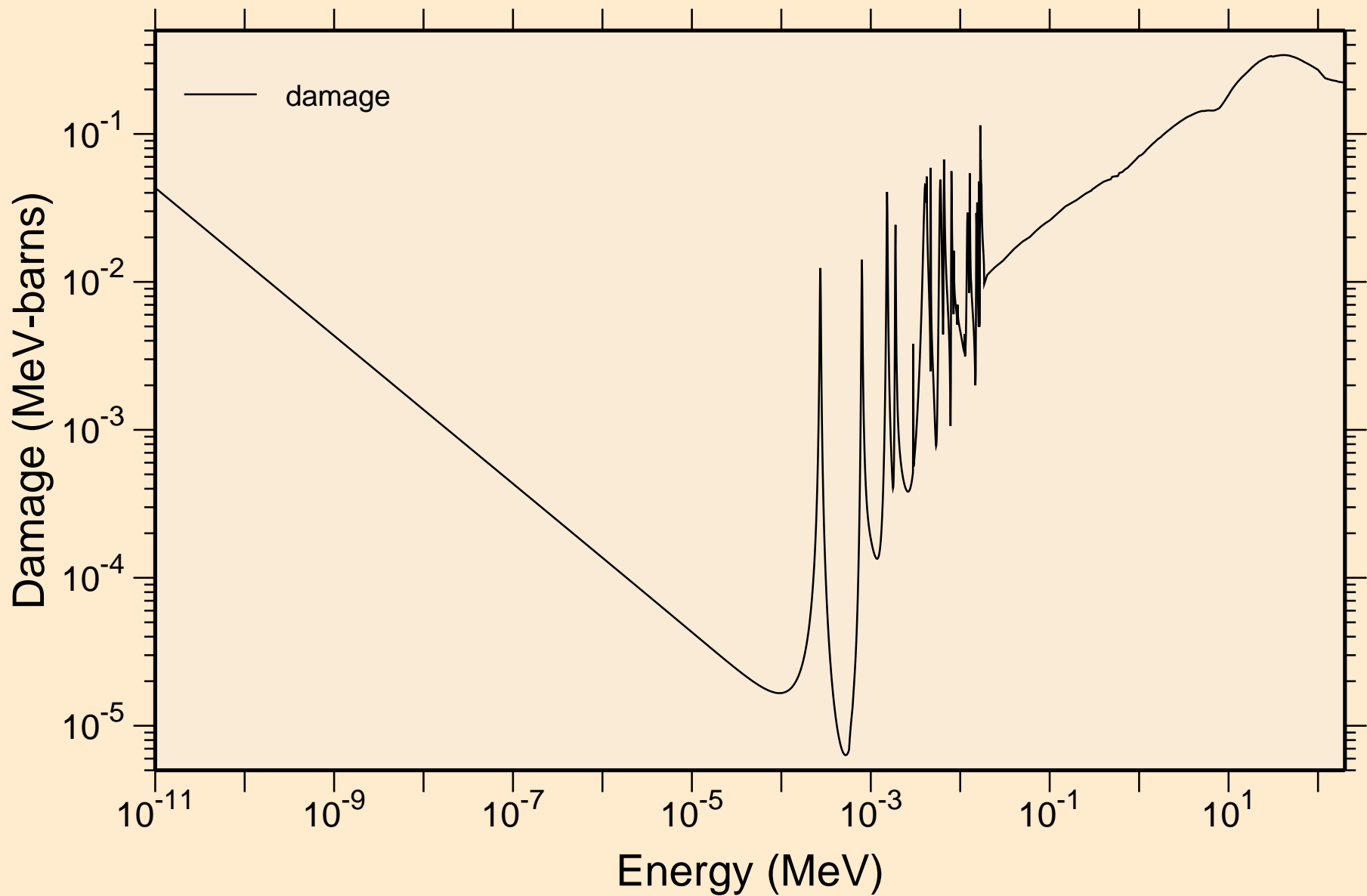
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resonance absorption cross sections



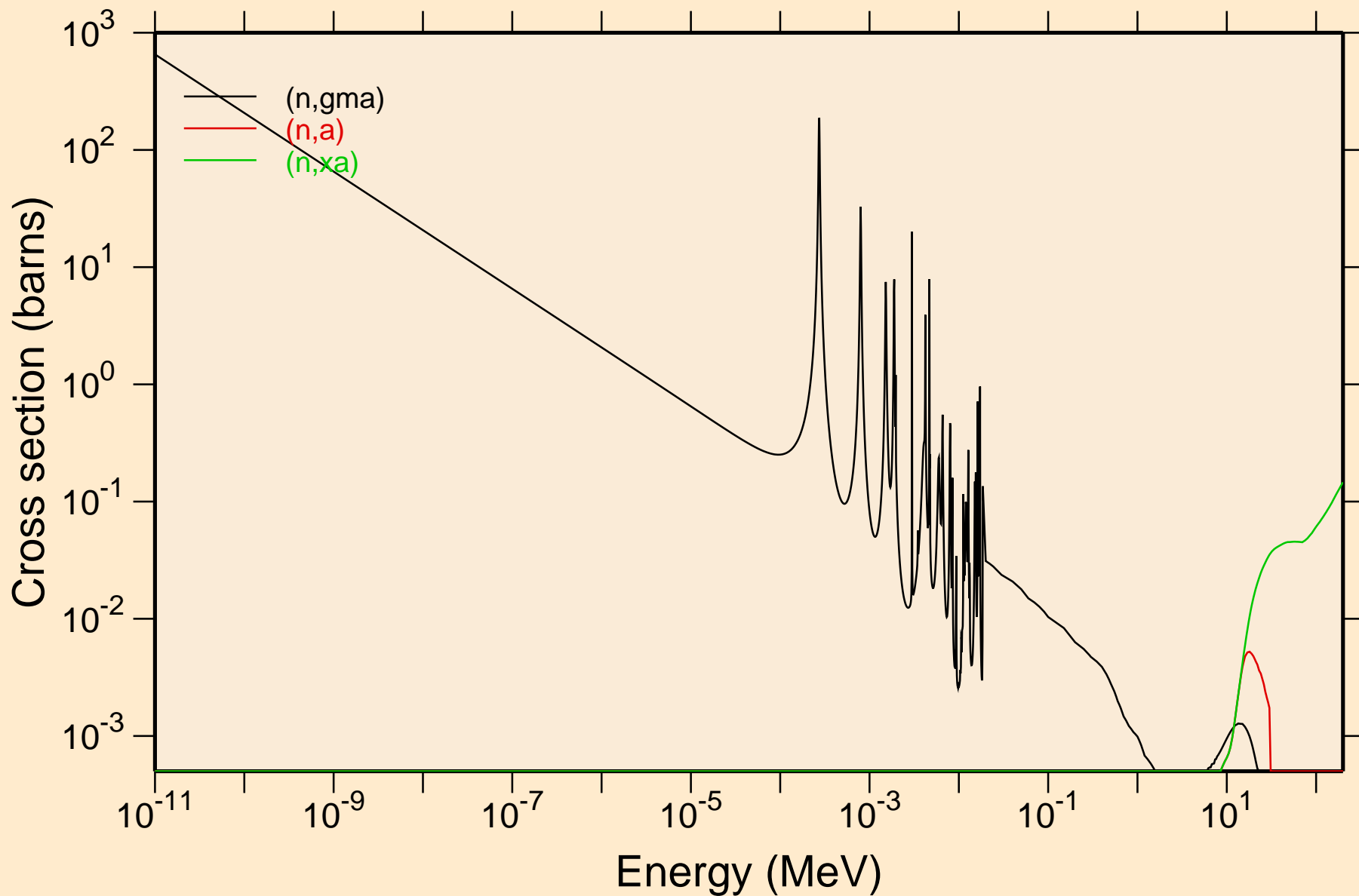
FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Heating



FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Damage

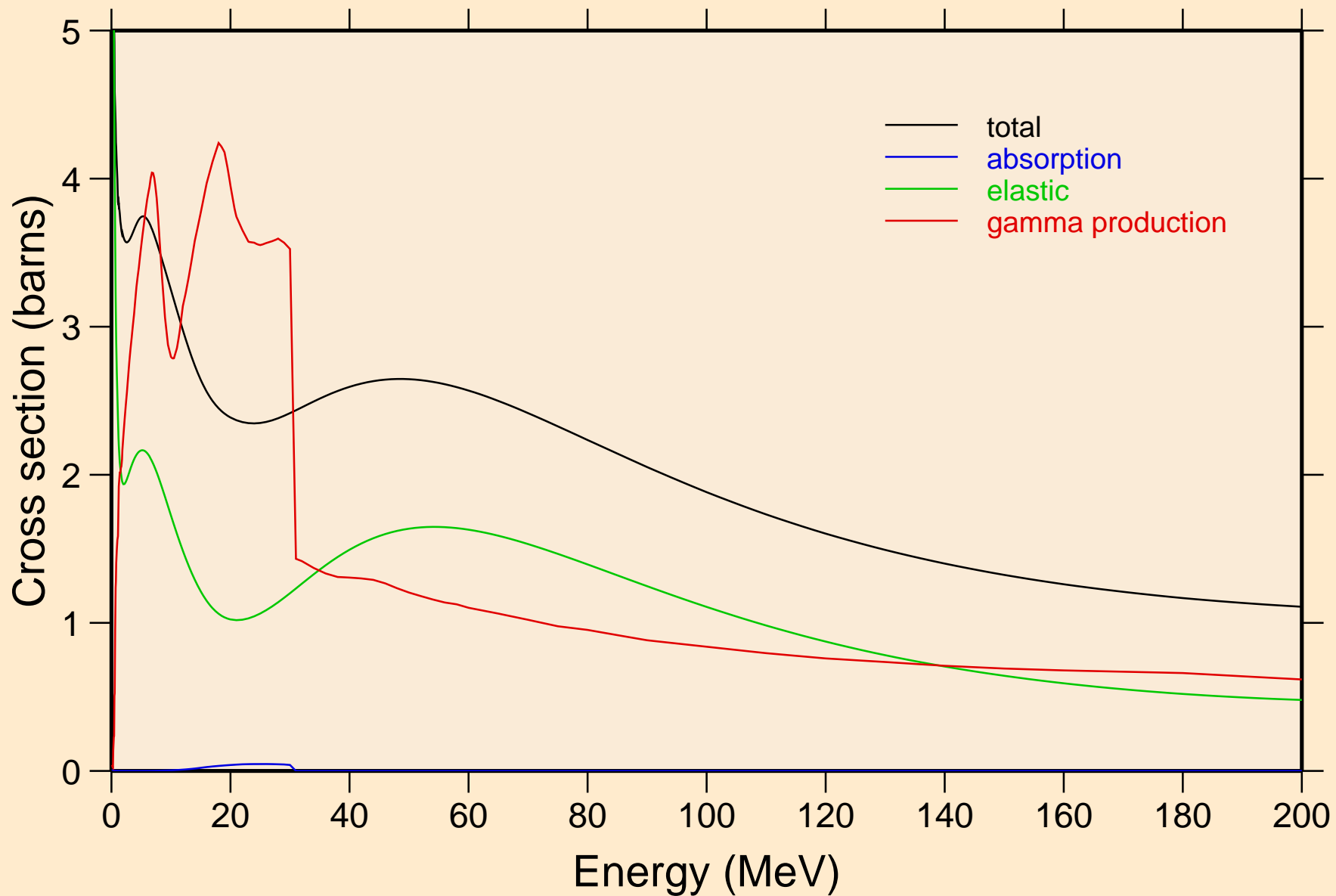


FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

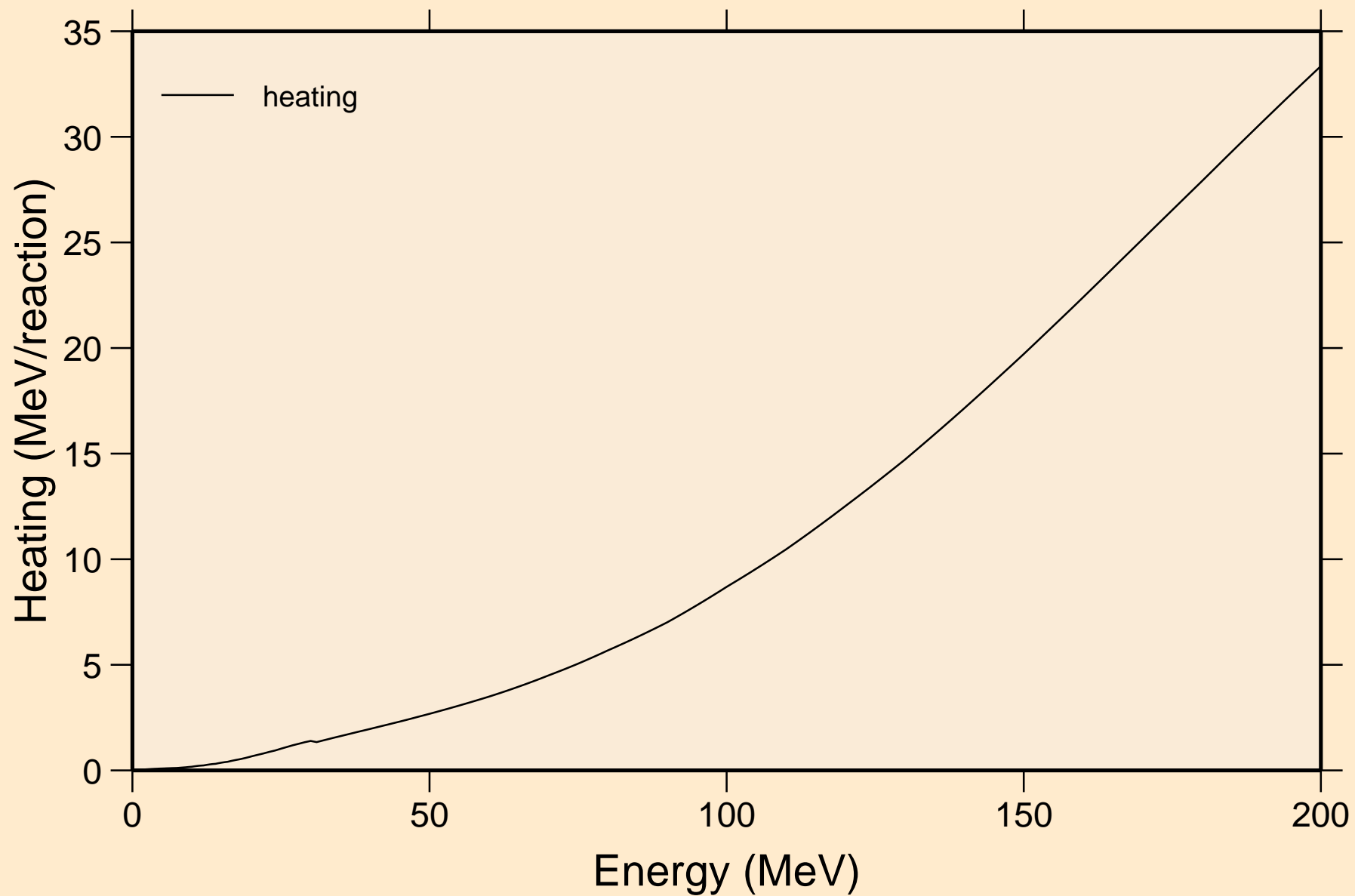


# FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

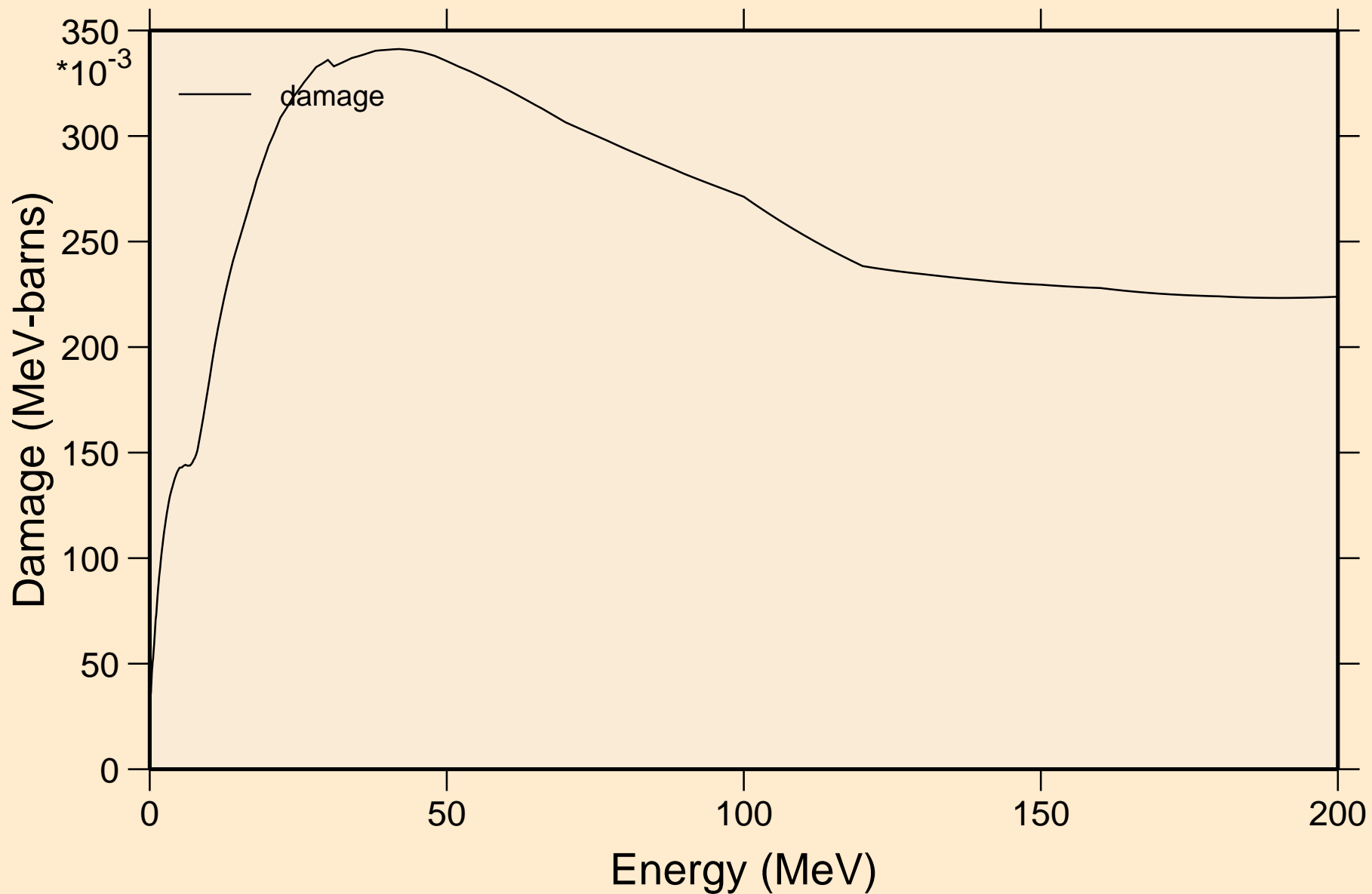
## Principal cross sections



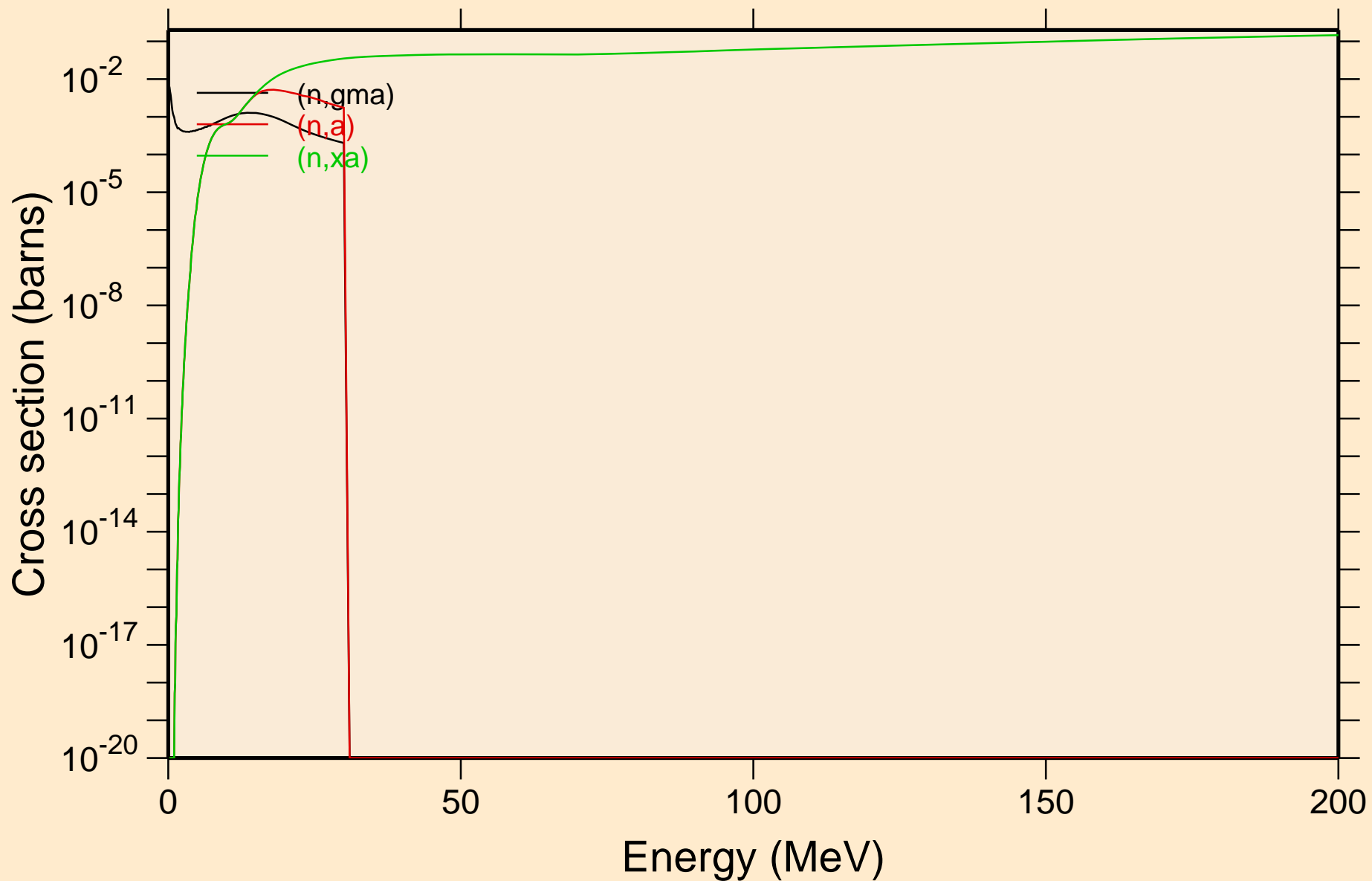
FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Heating



FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Damage

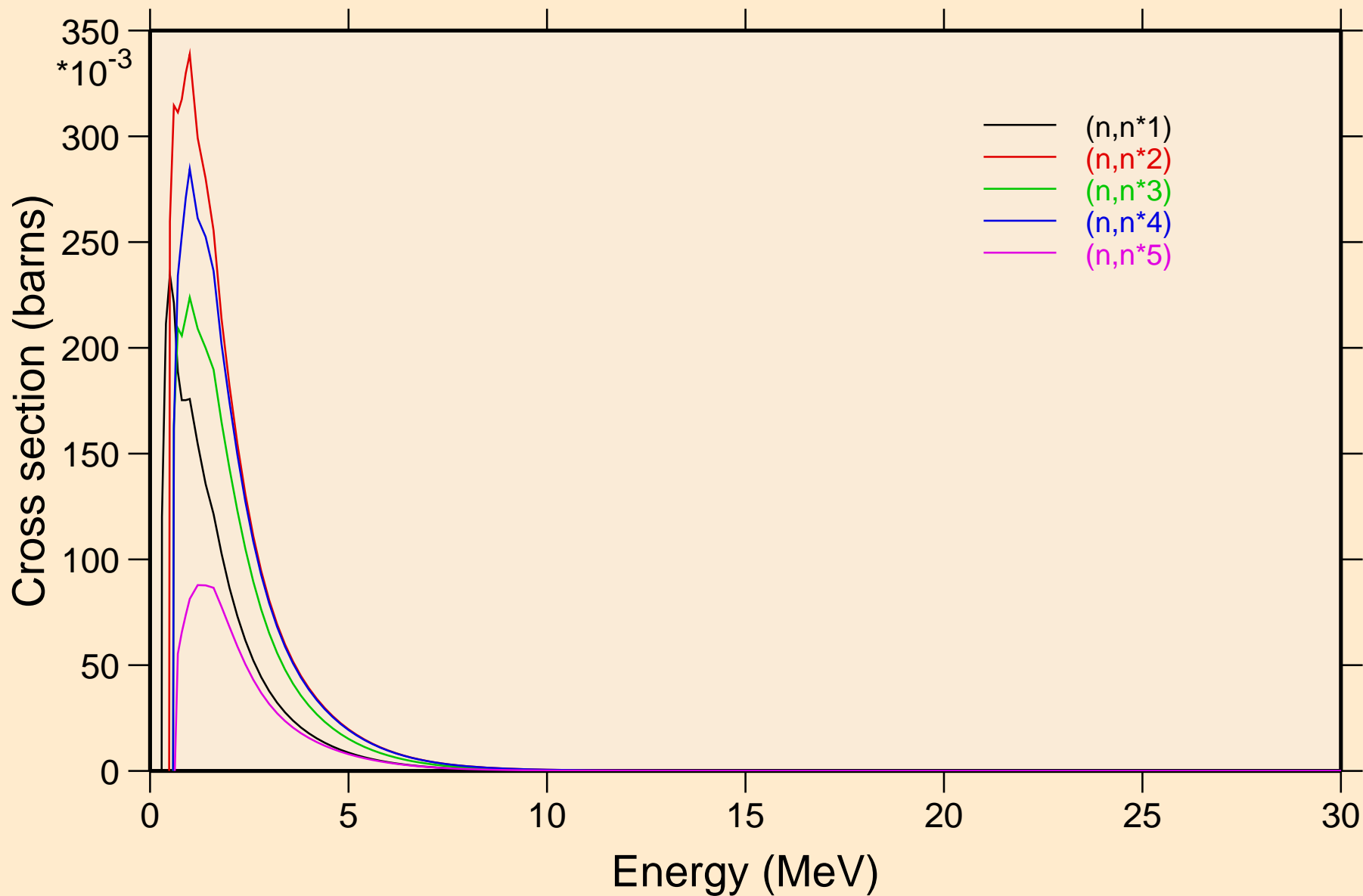


FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

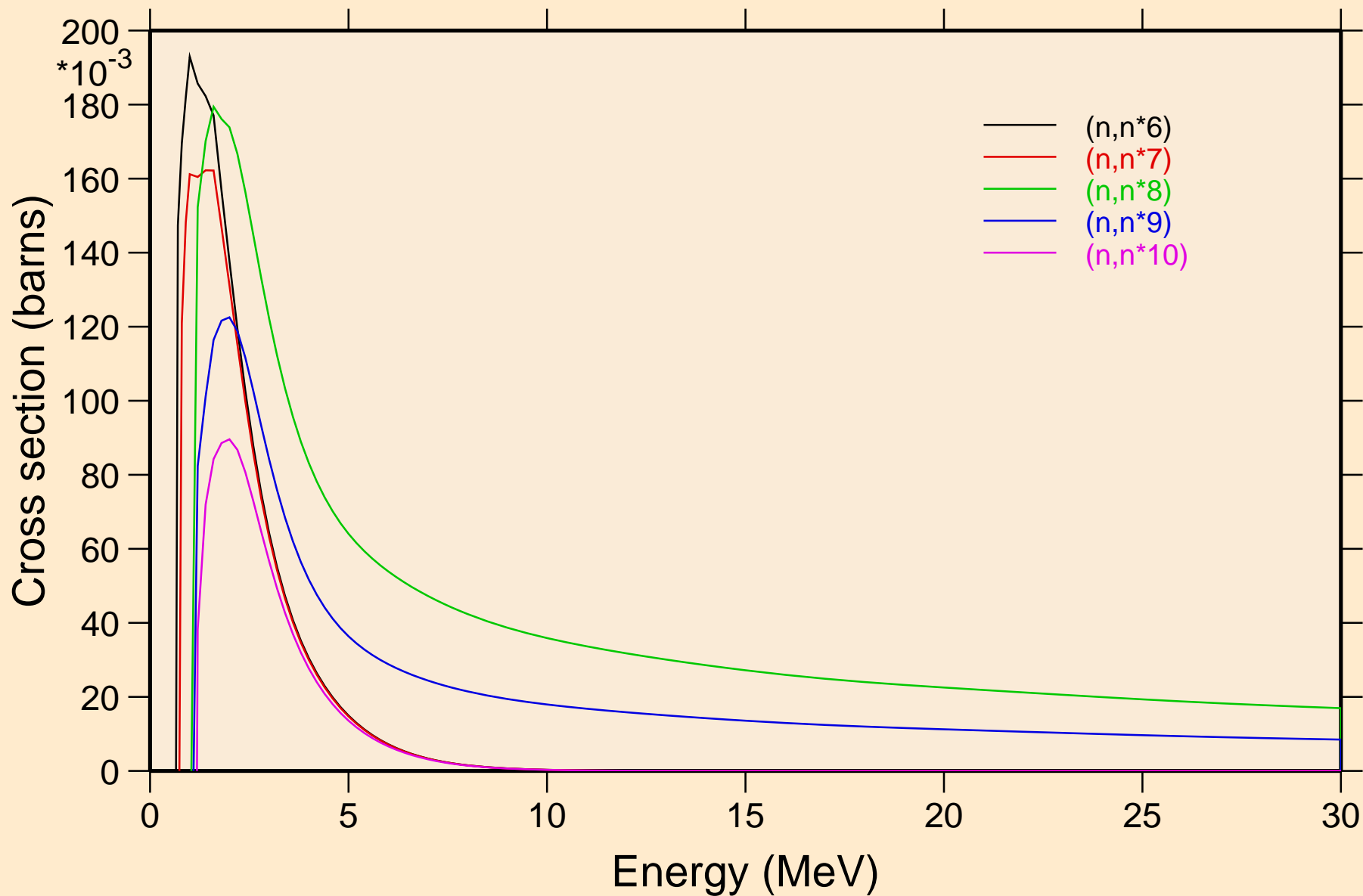




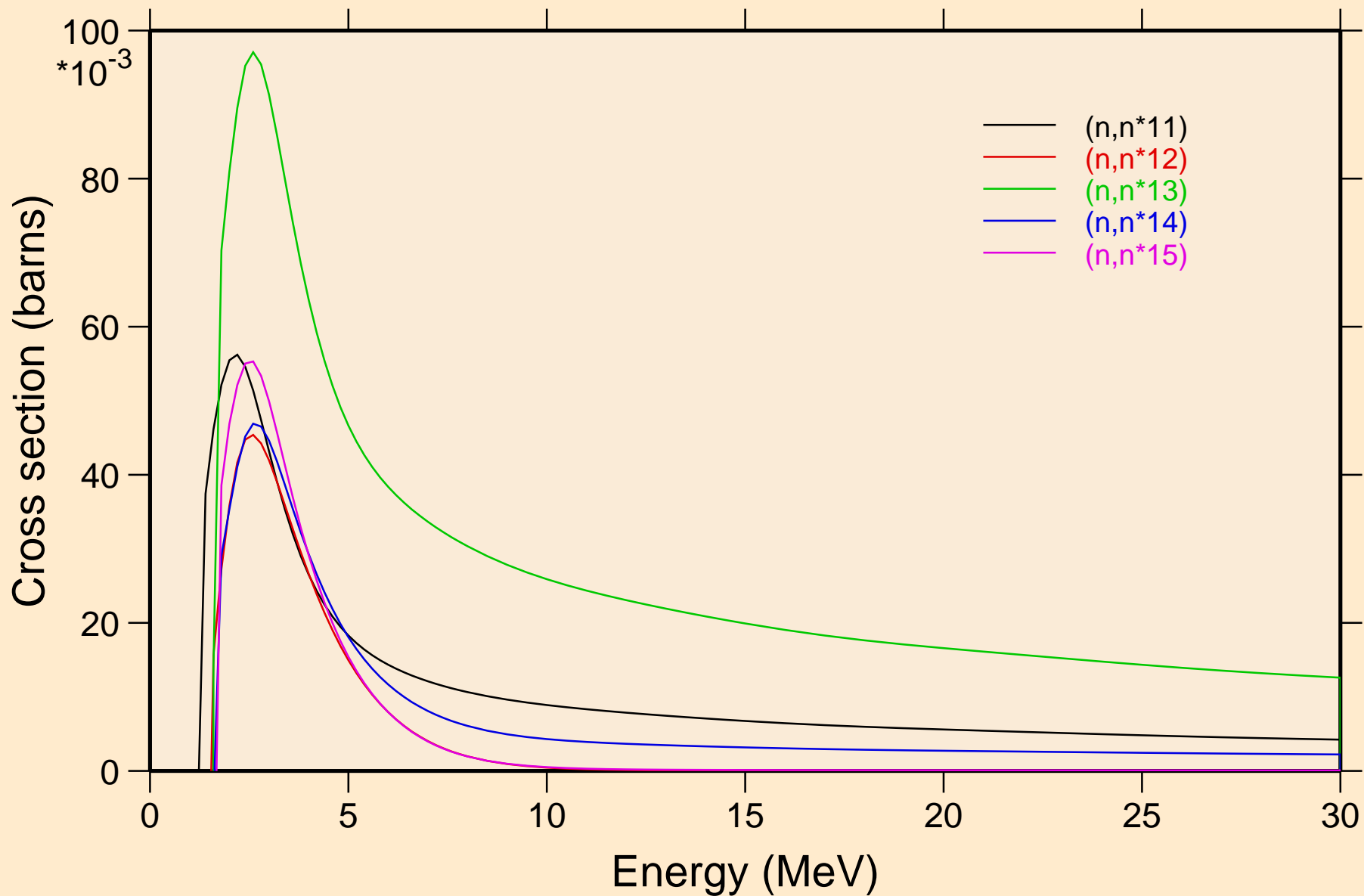
FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



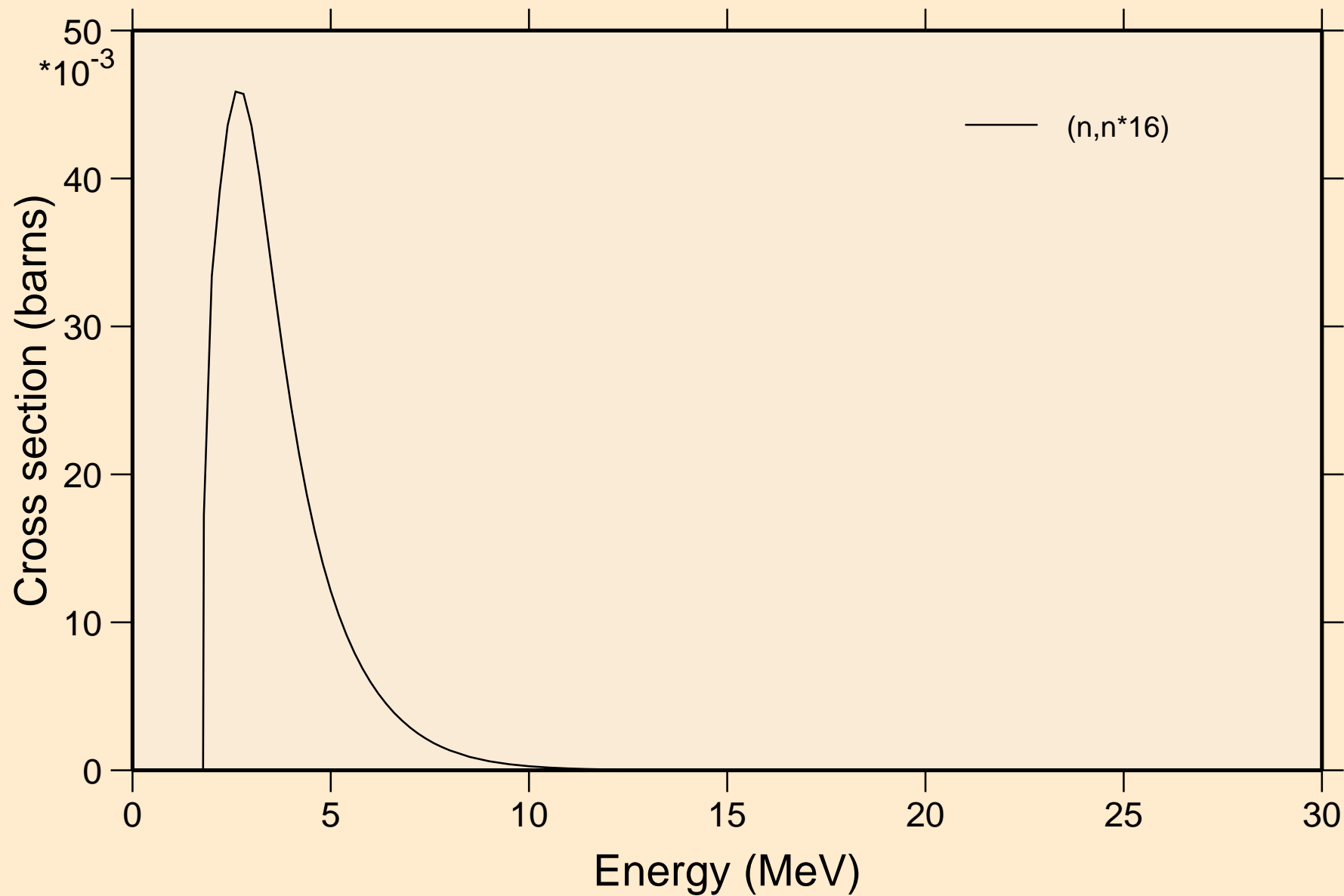
FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

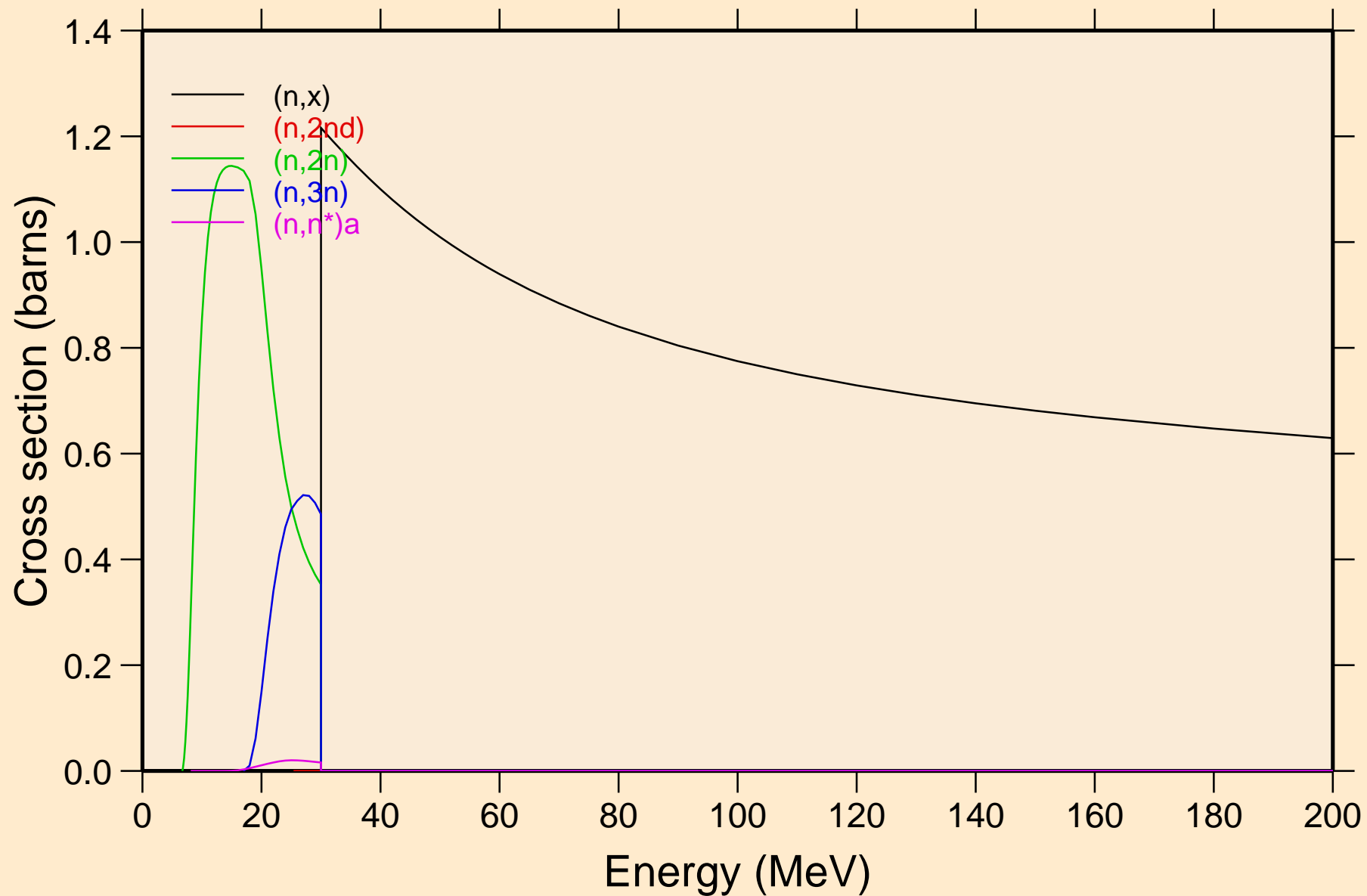


FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



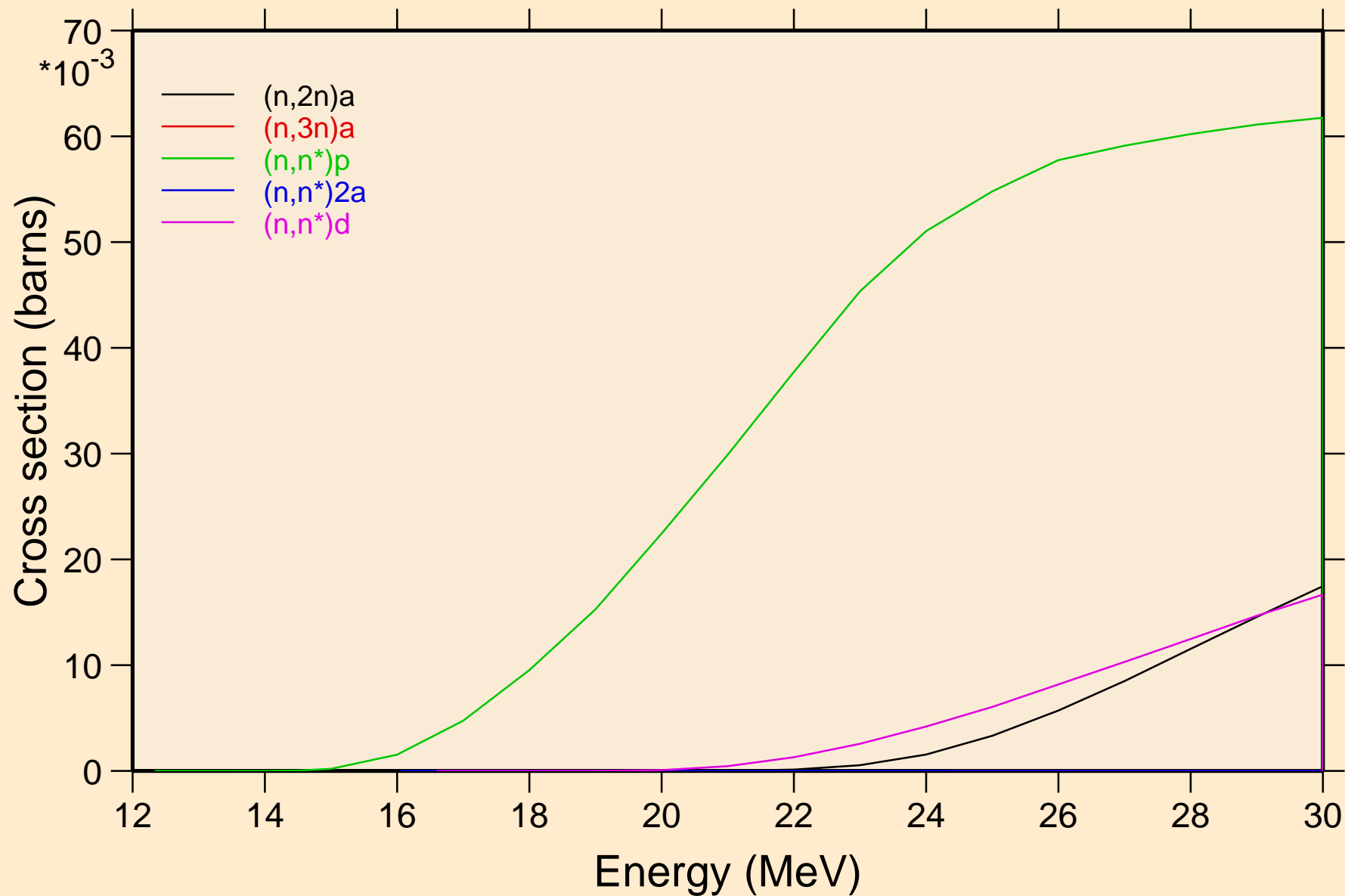
# FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions

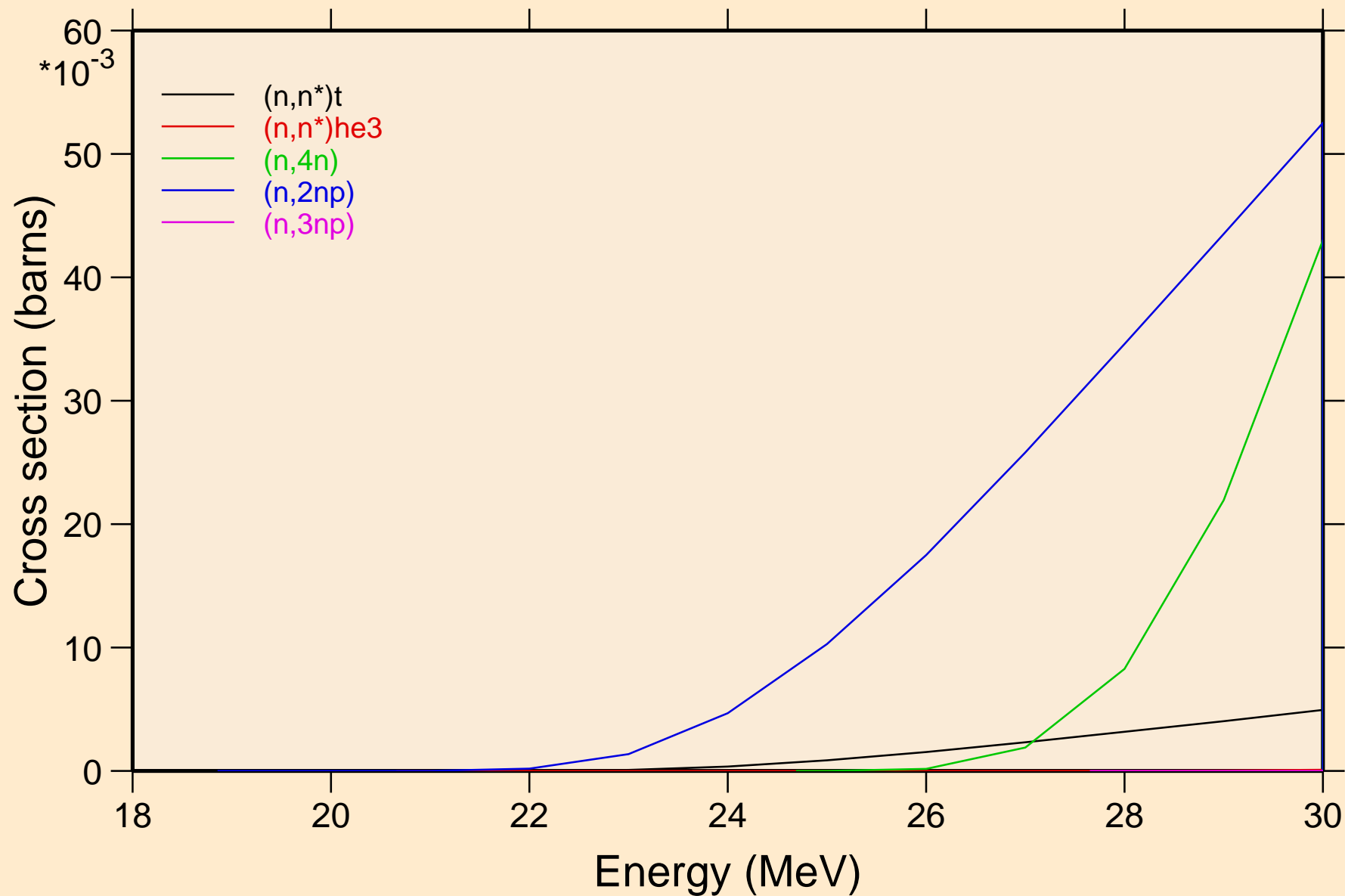


# FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions

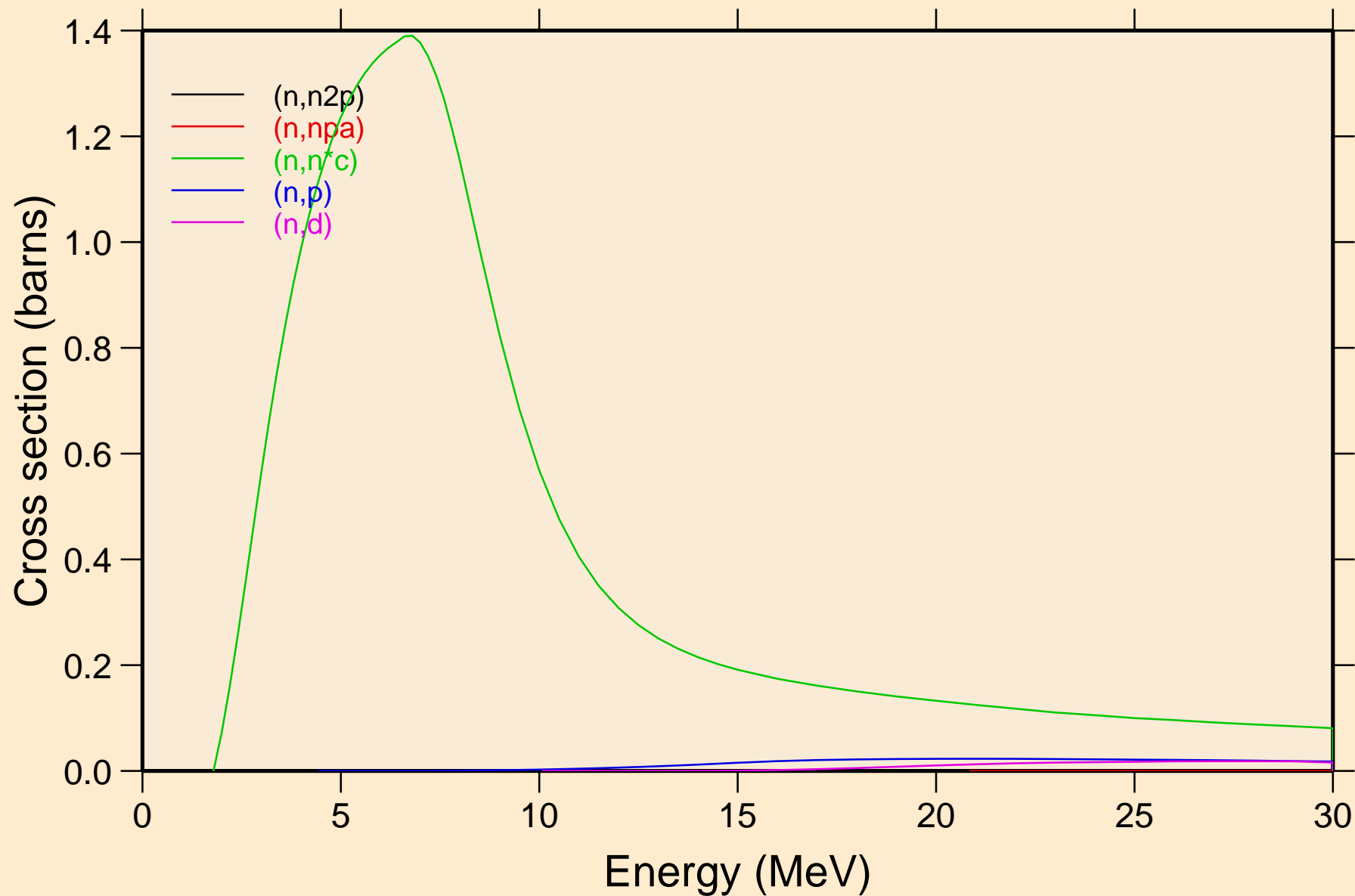


FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



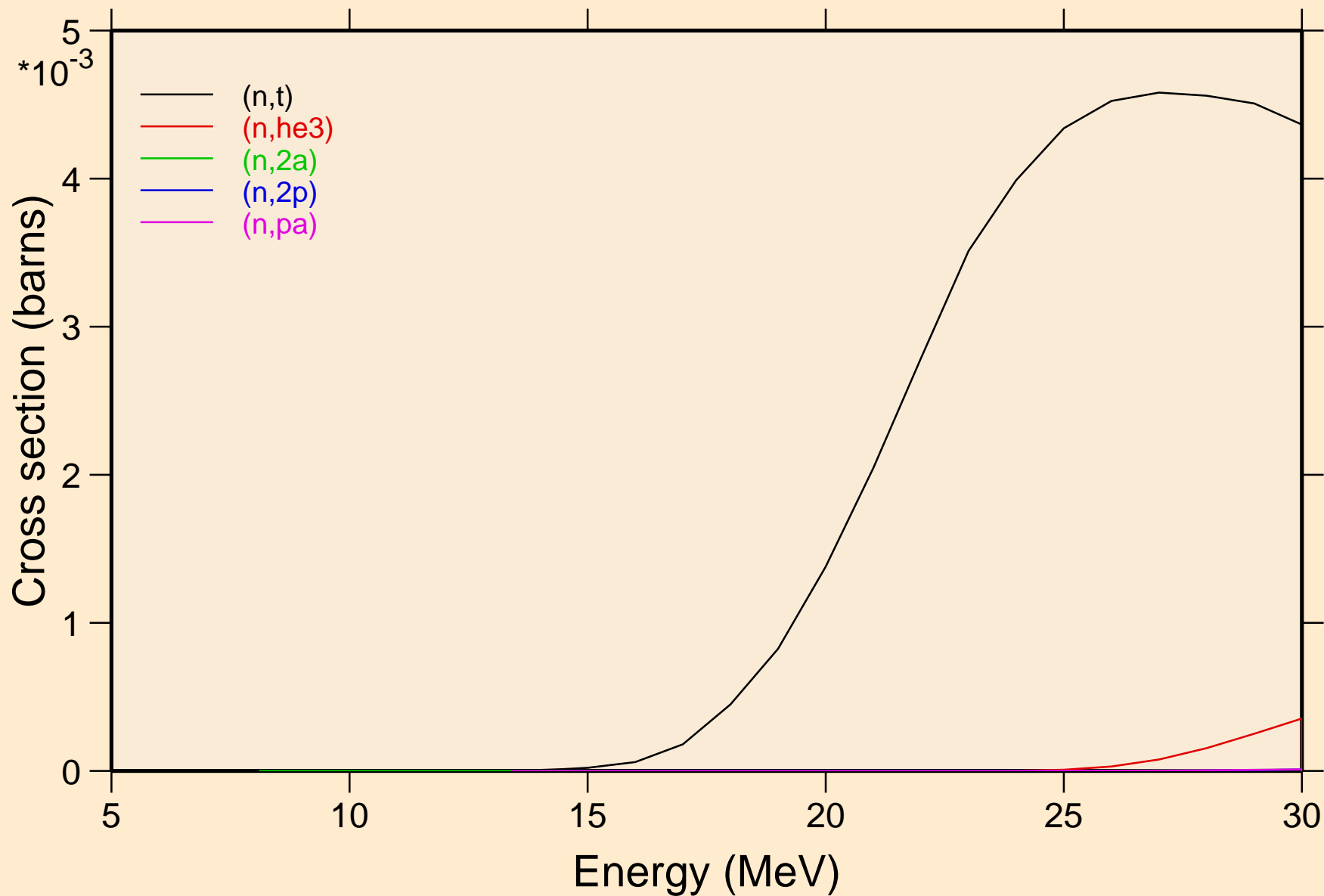
# FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



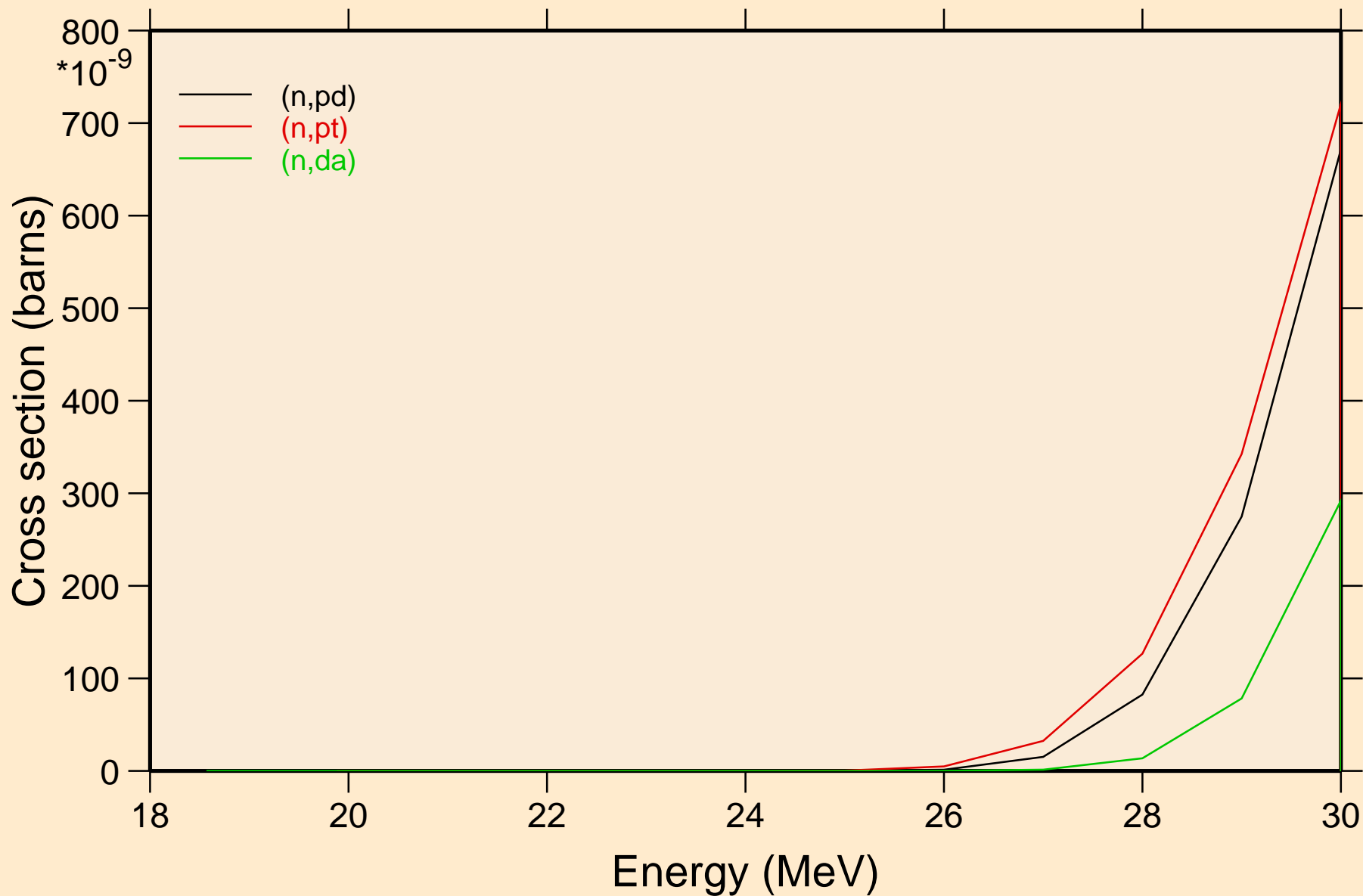


FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

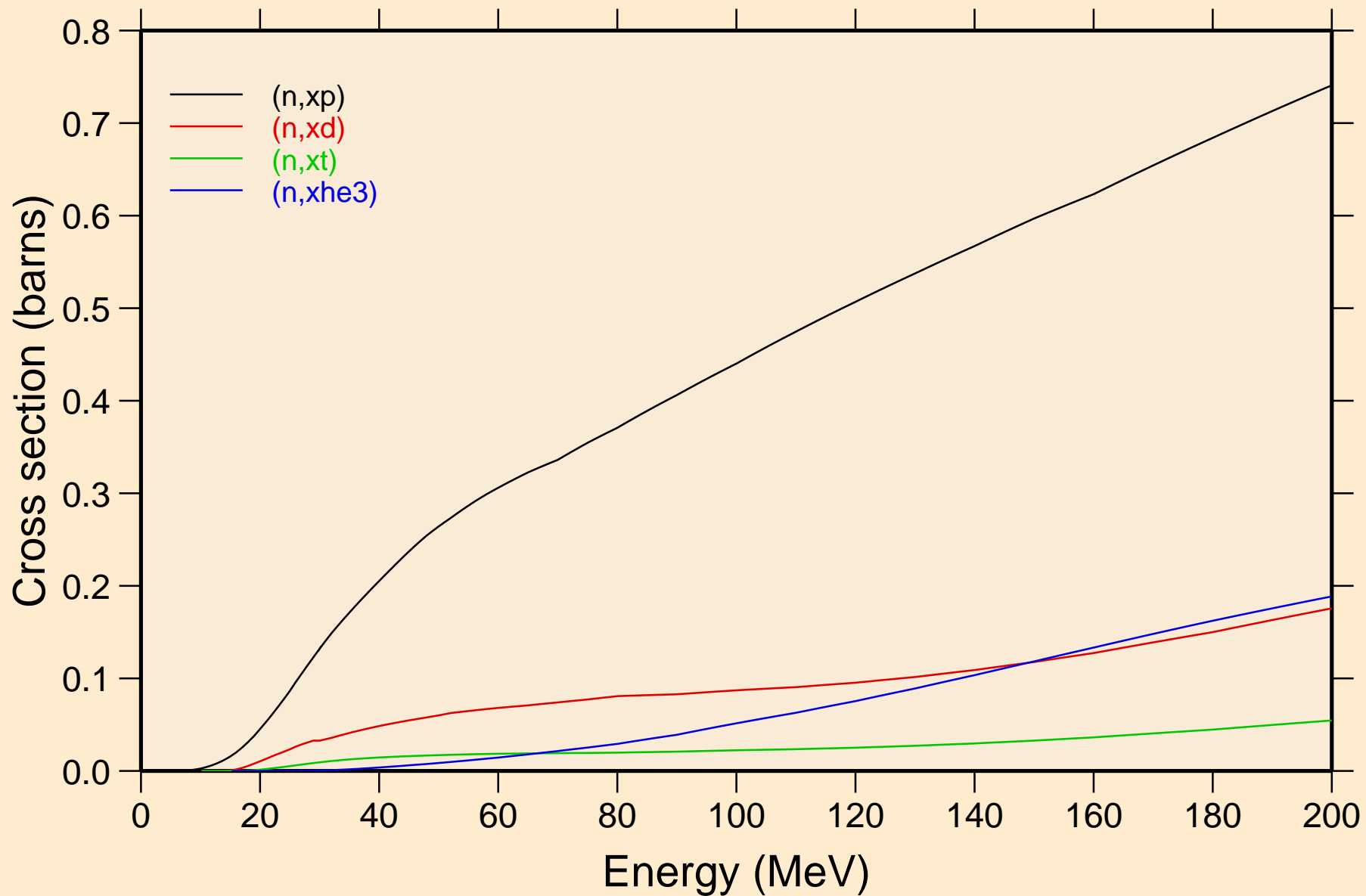


# FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

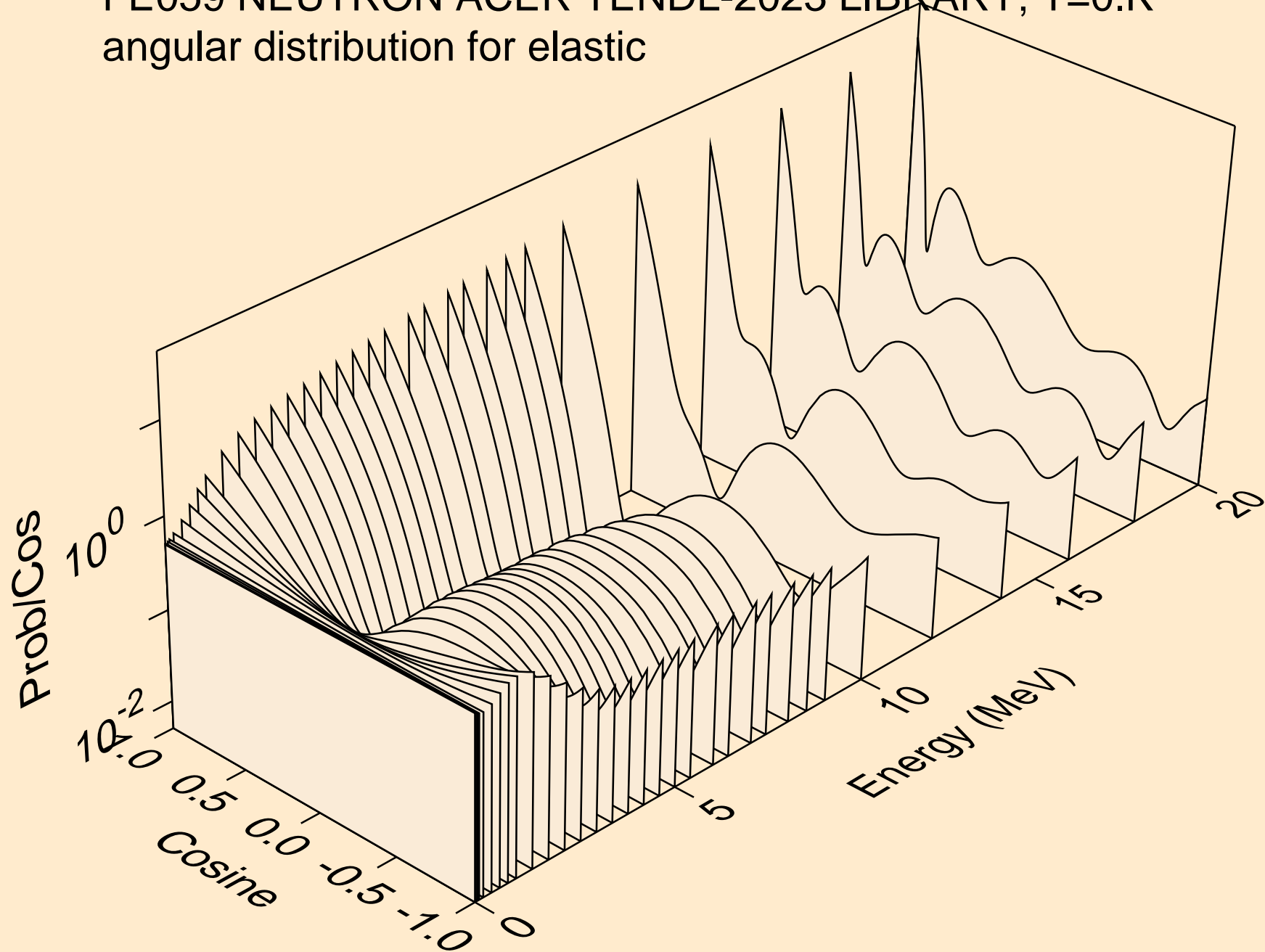
## Threshold reactions



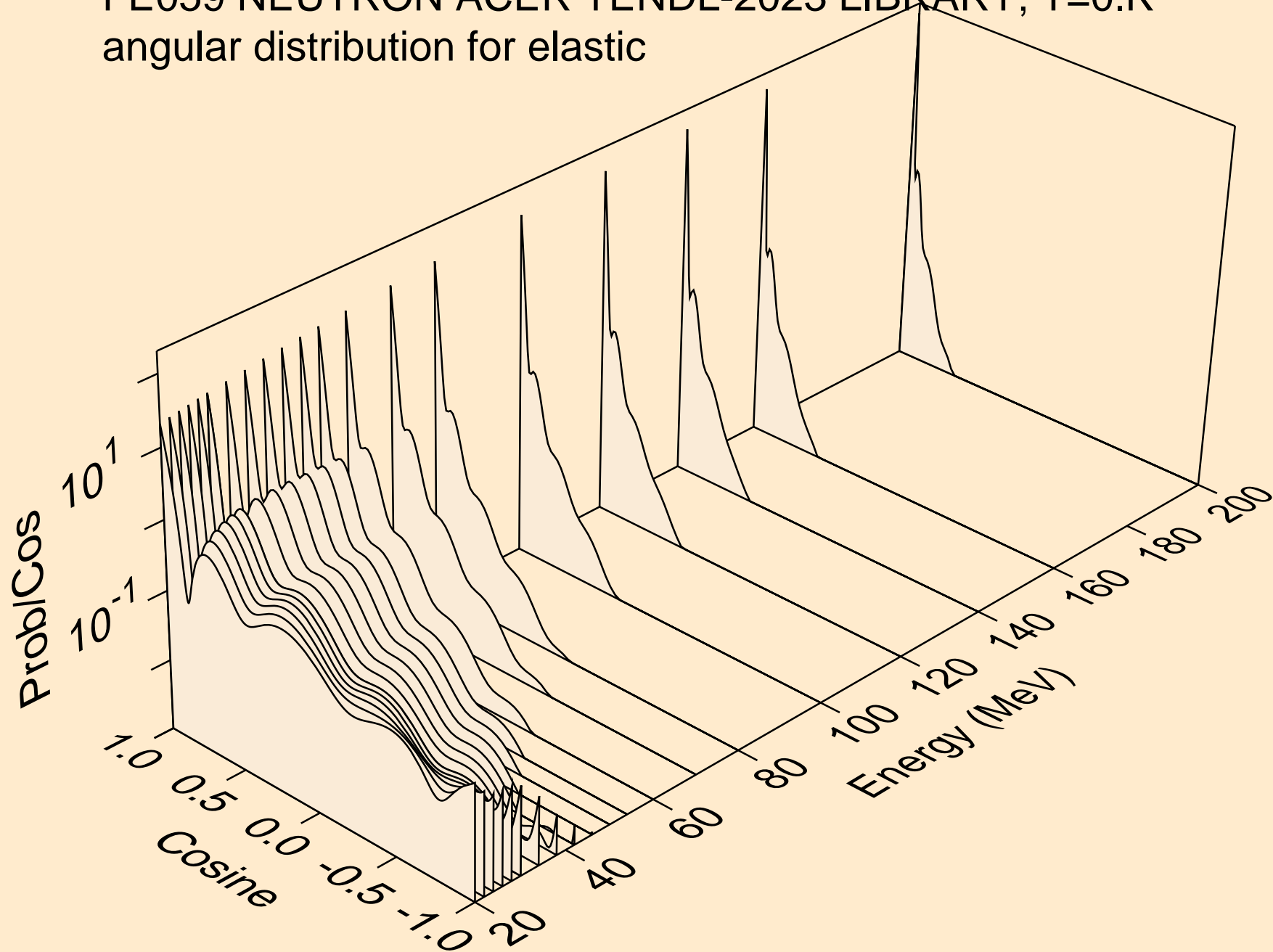
FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



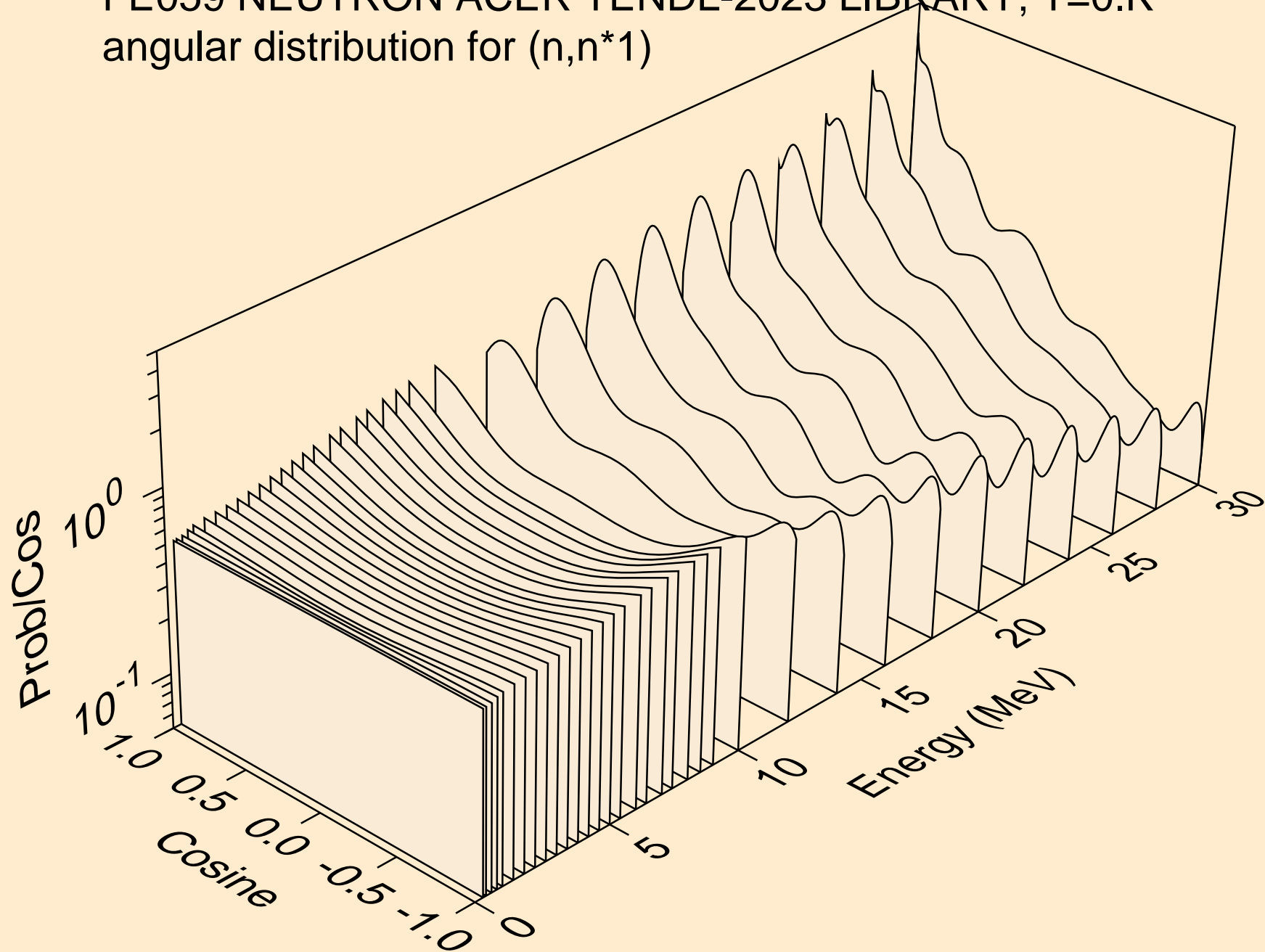
FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



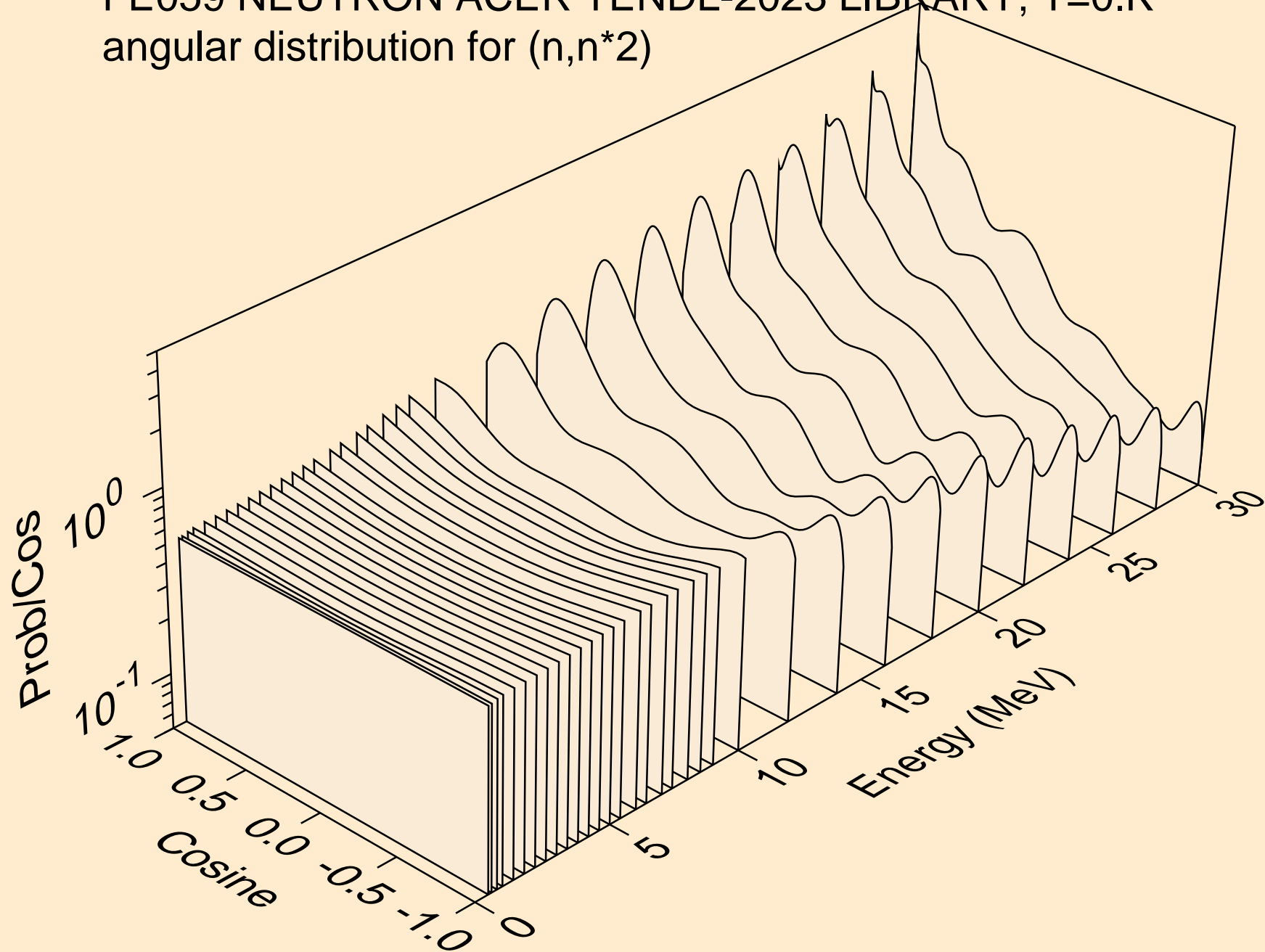
FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



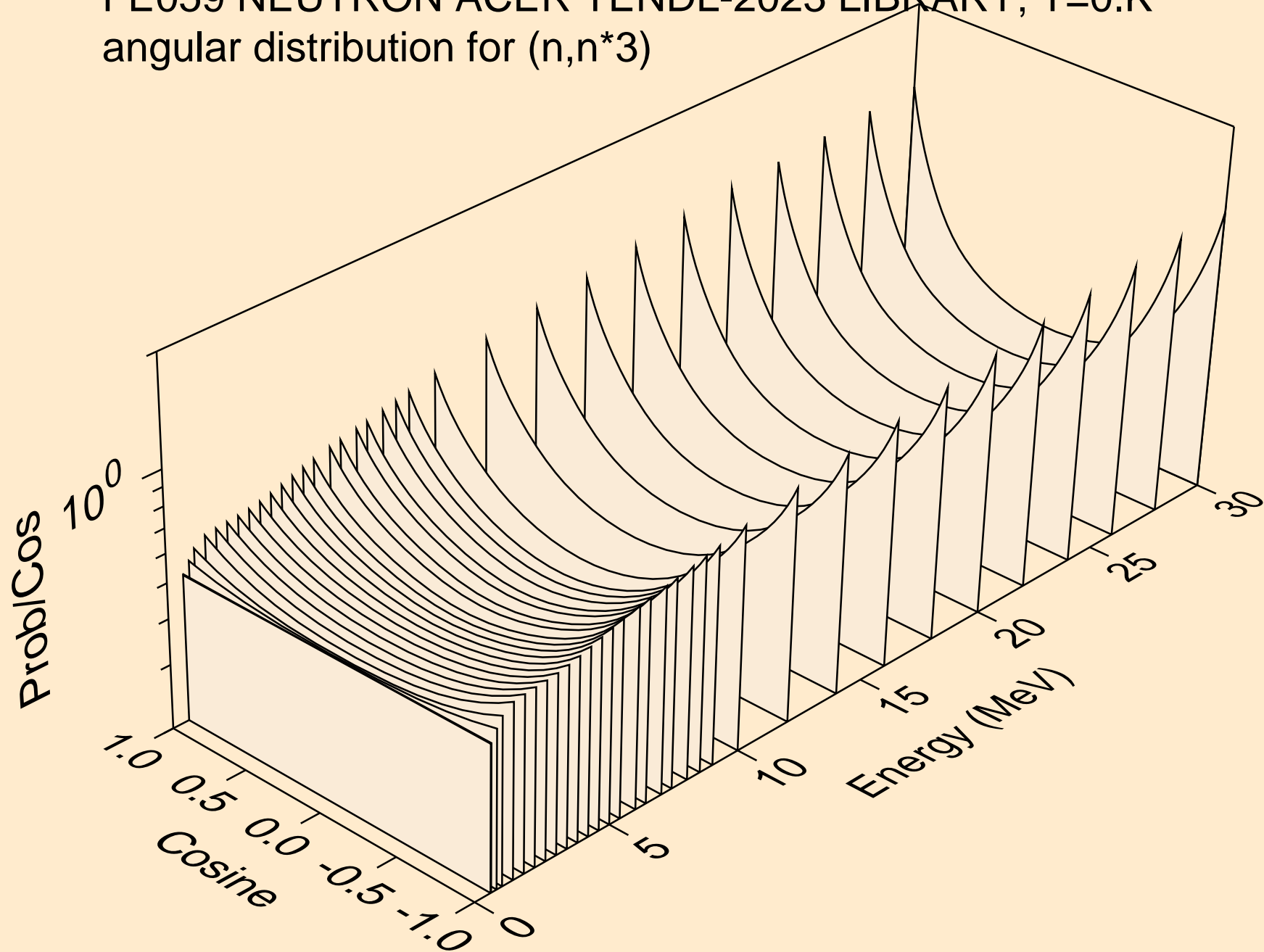
FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*2)

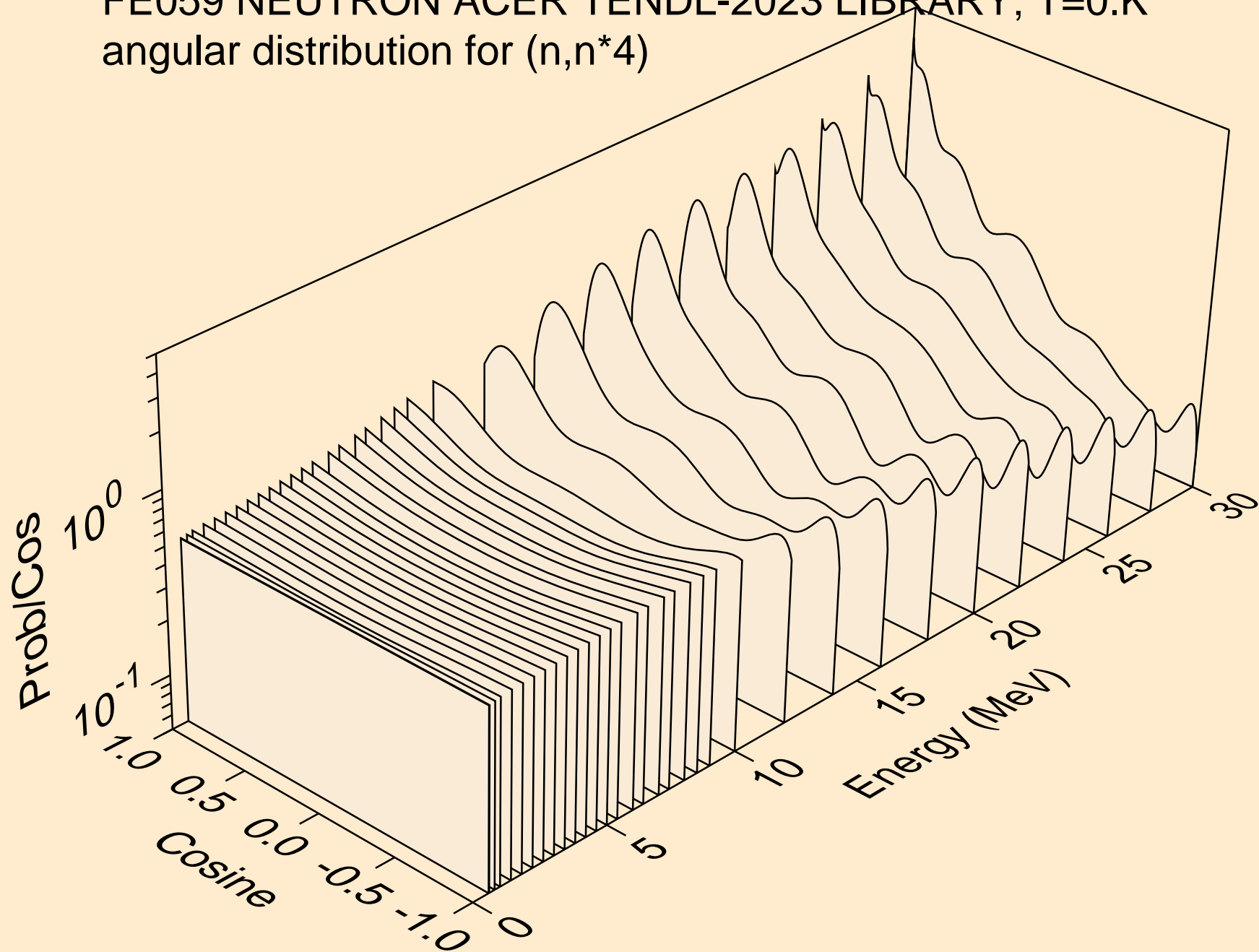


FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*3)

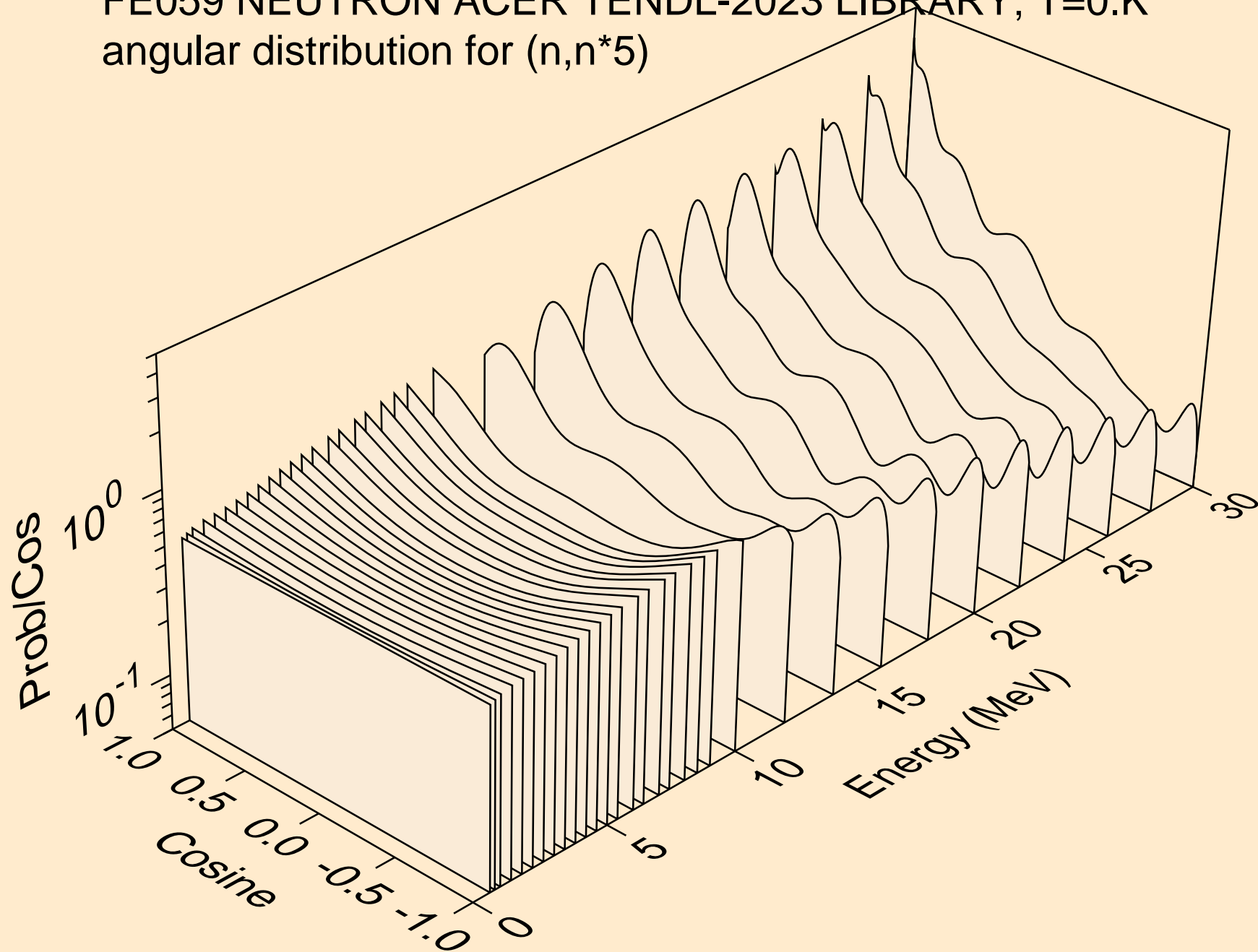




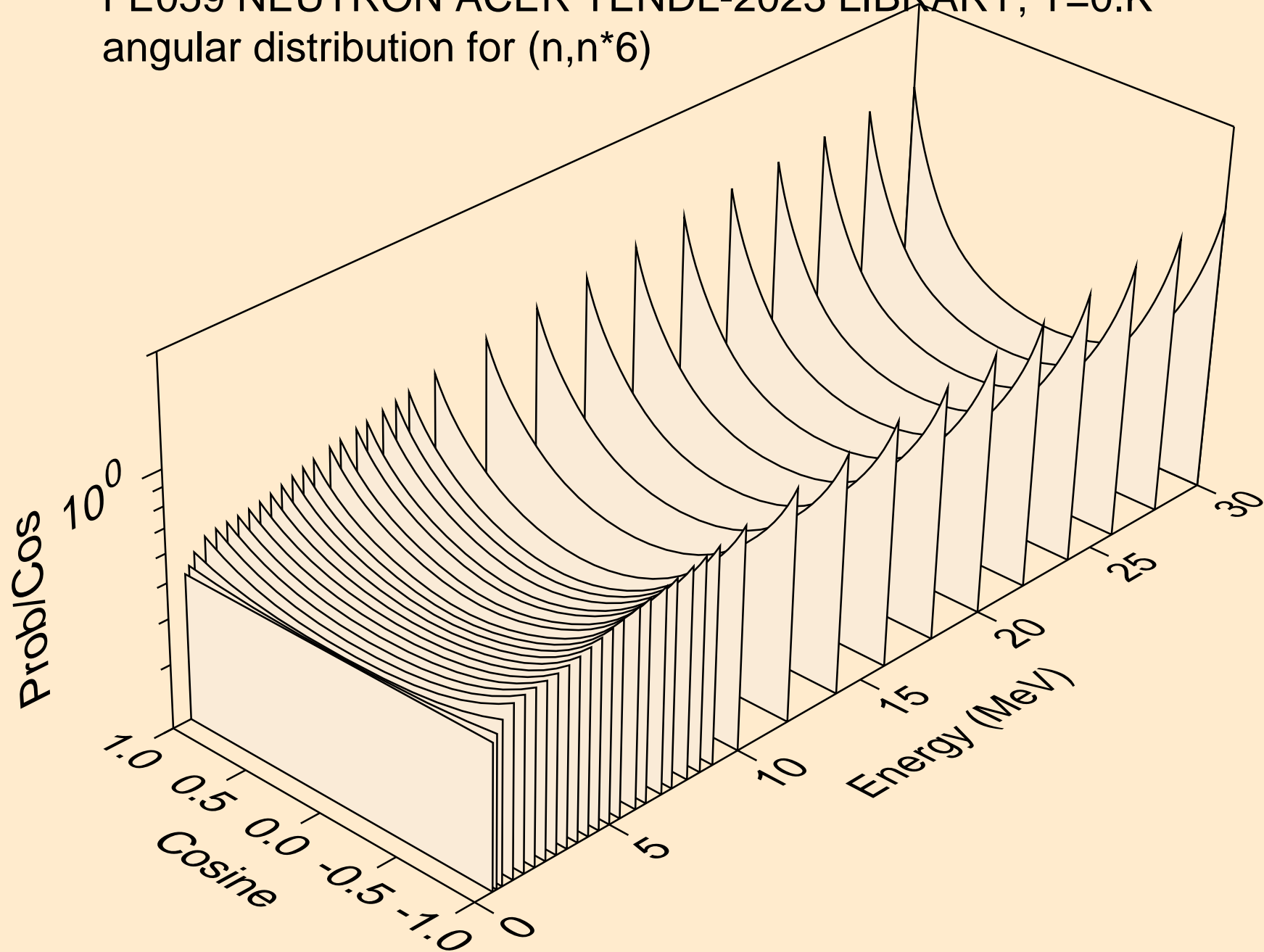
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angular distribution for (n,n\*4)



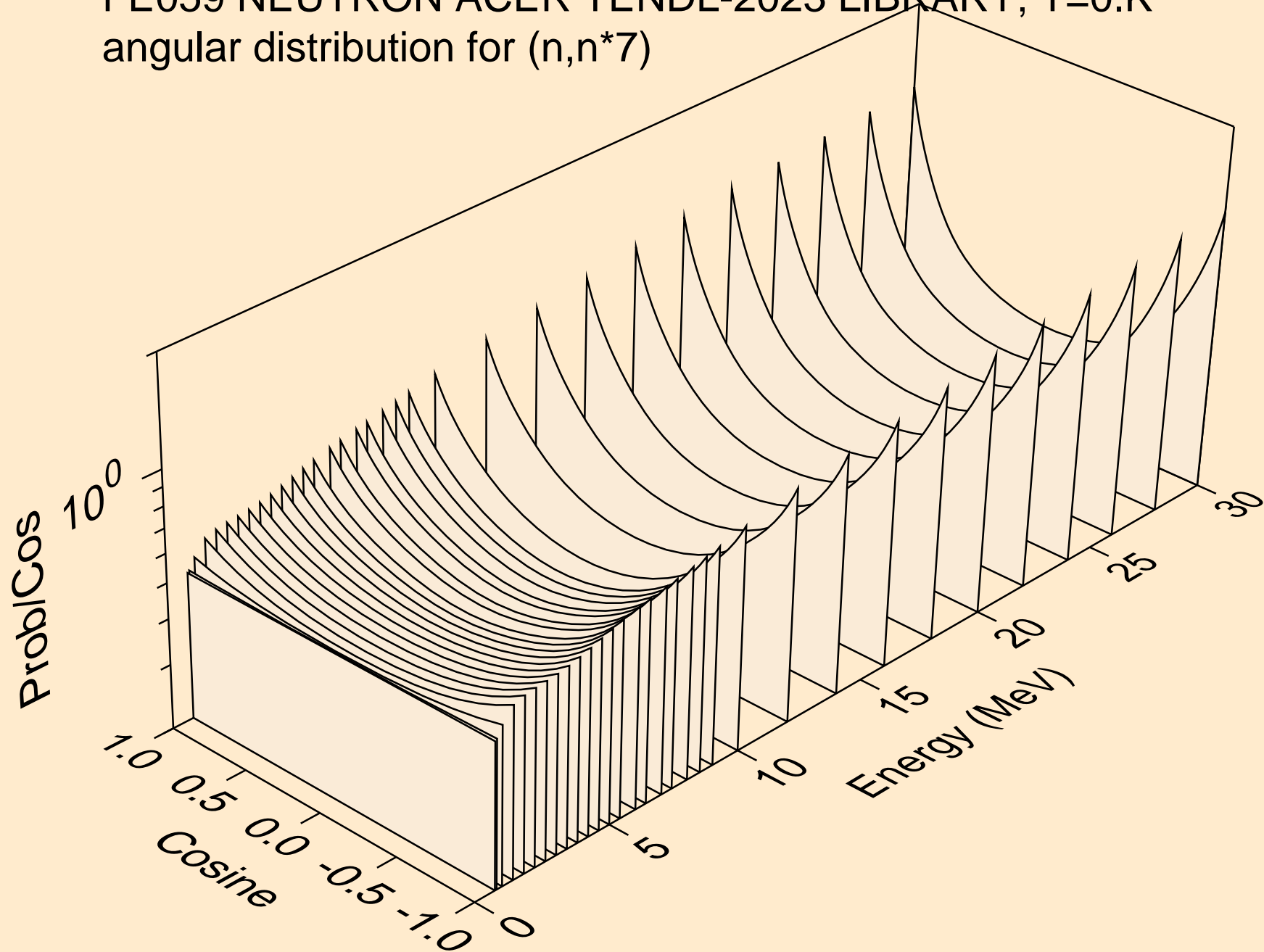
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angular distribution for (n,n\*5)



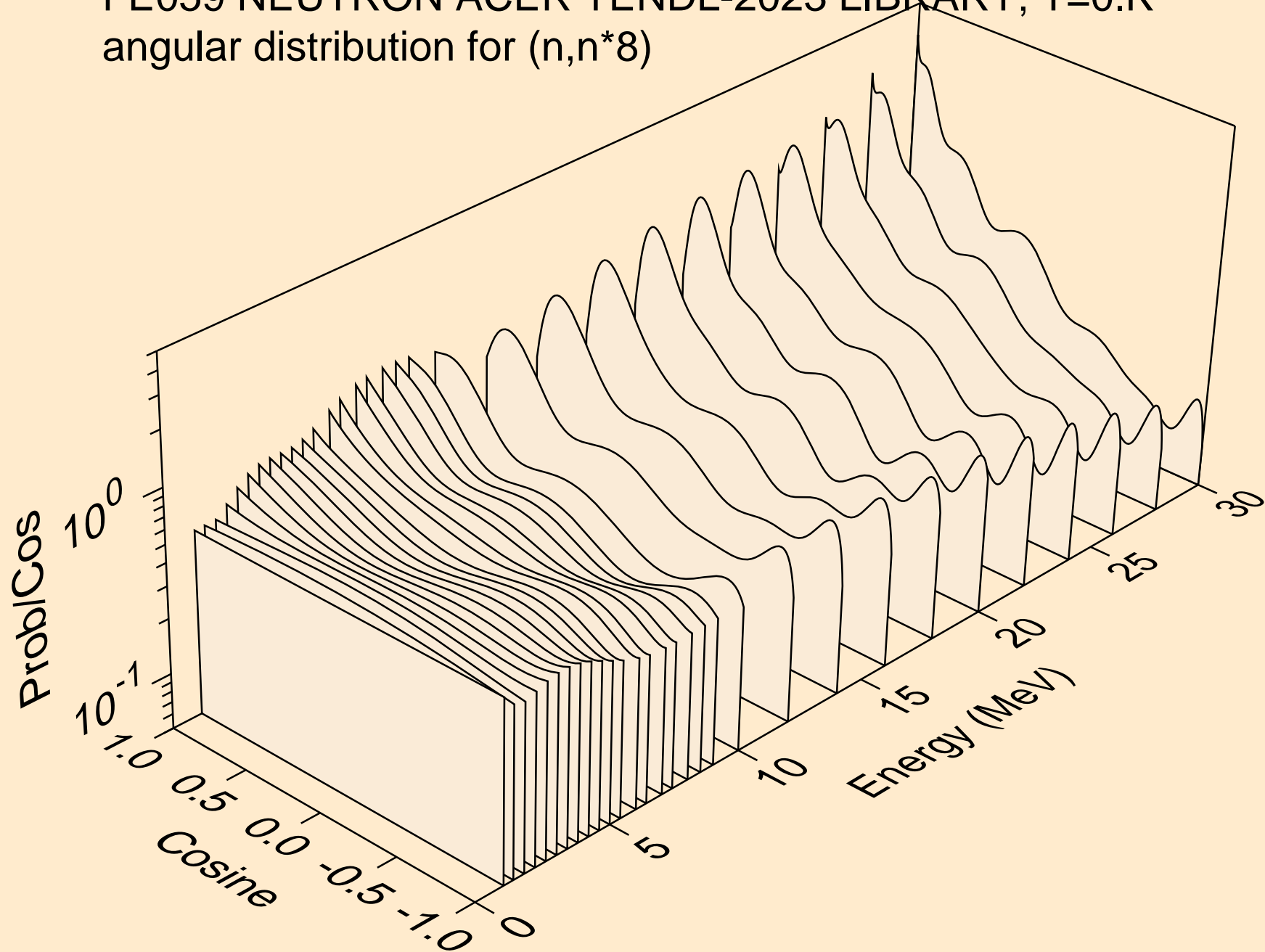
FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*6)



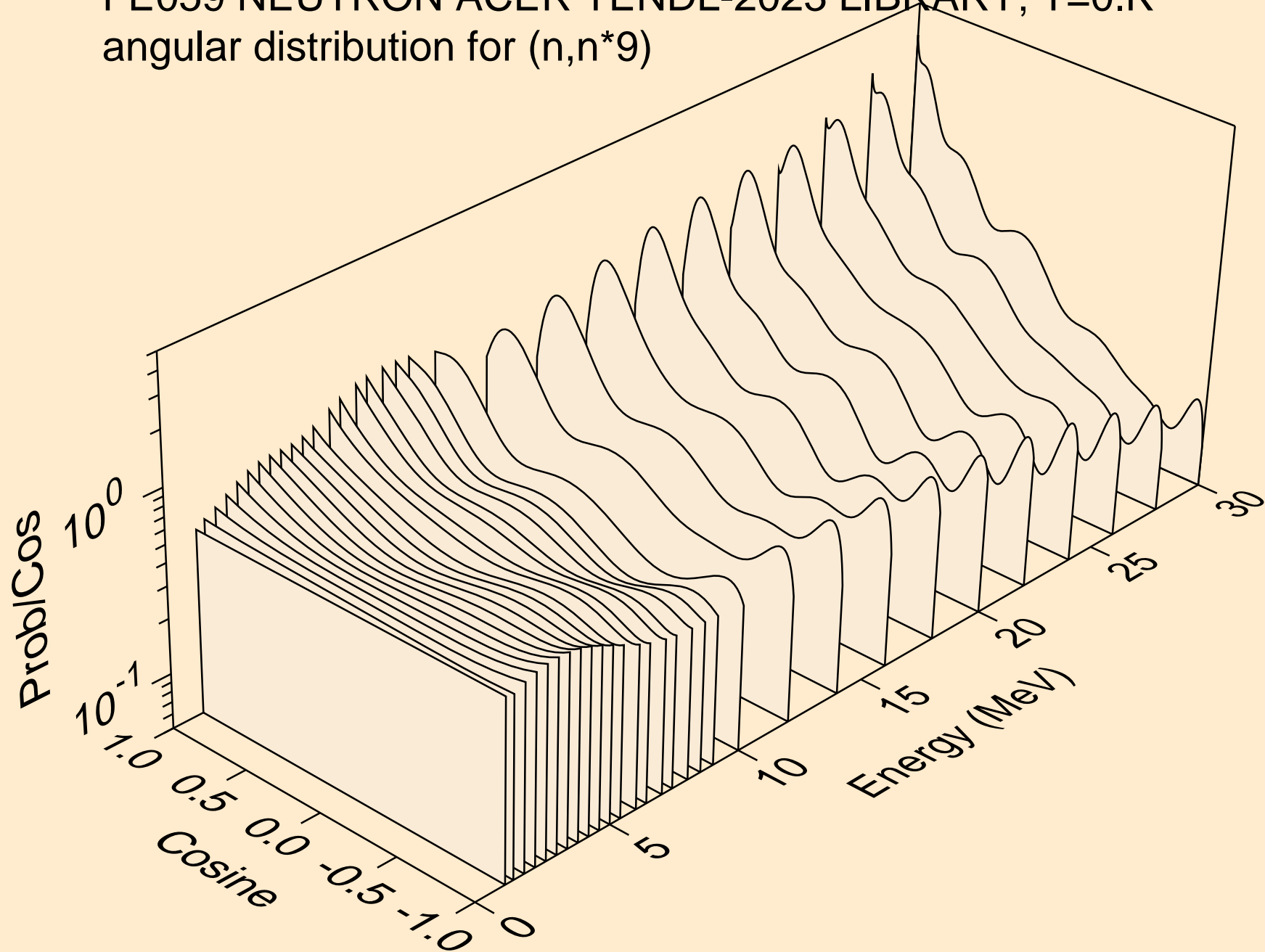
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angular distribution for (n,n\*7)



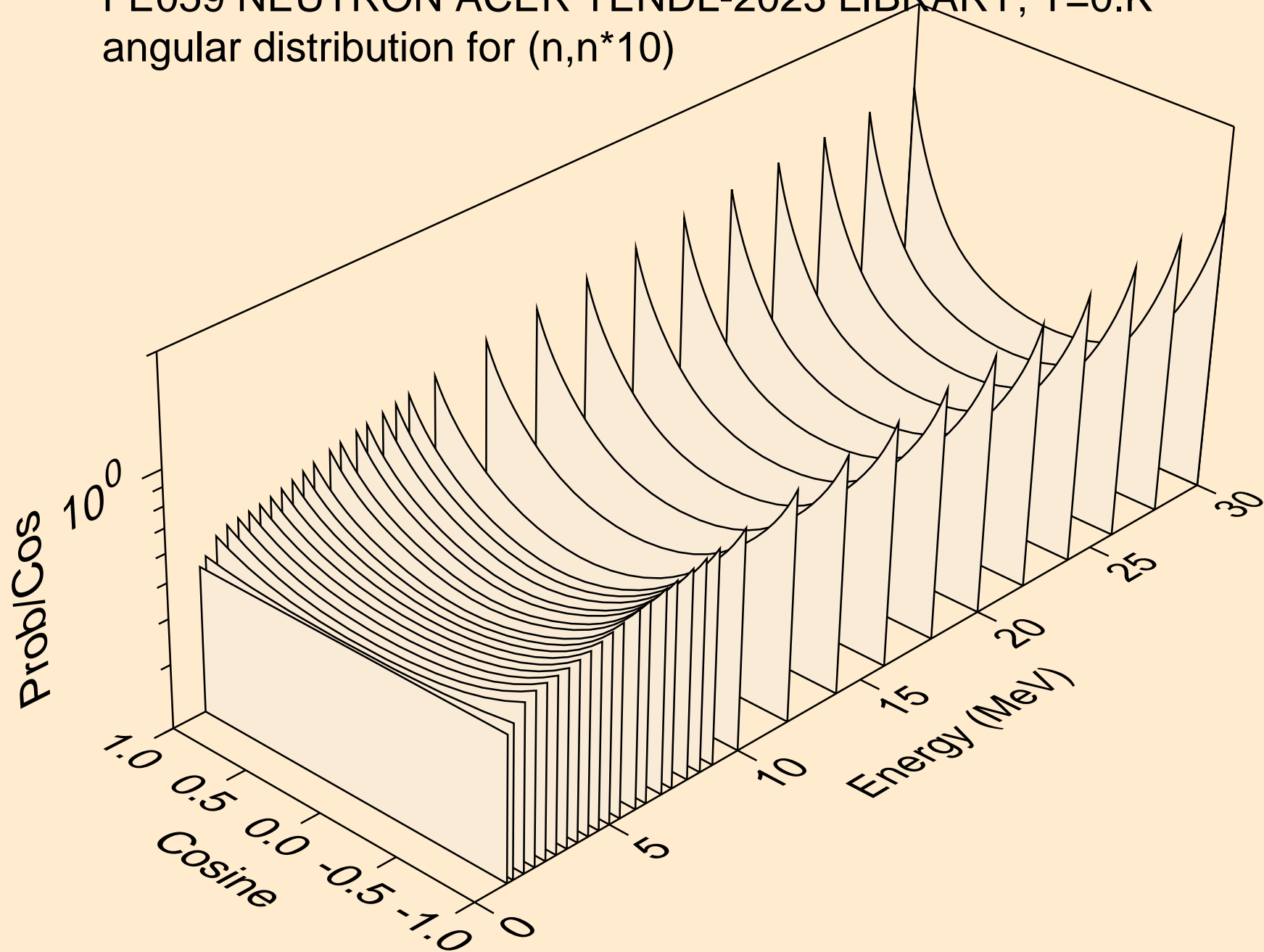
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angular distribution for (n,n\*8)



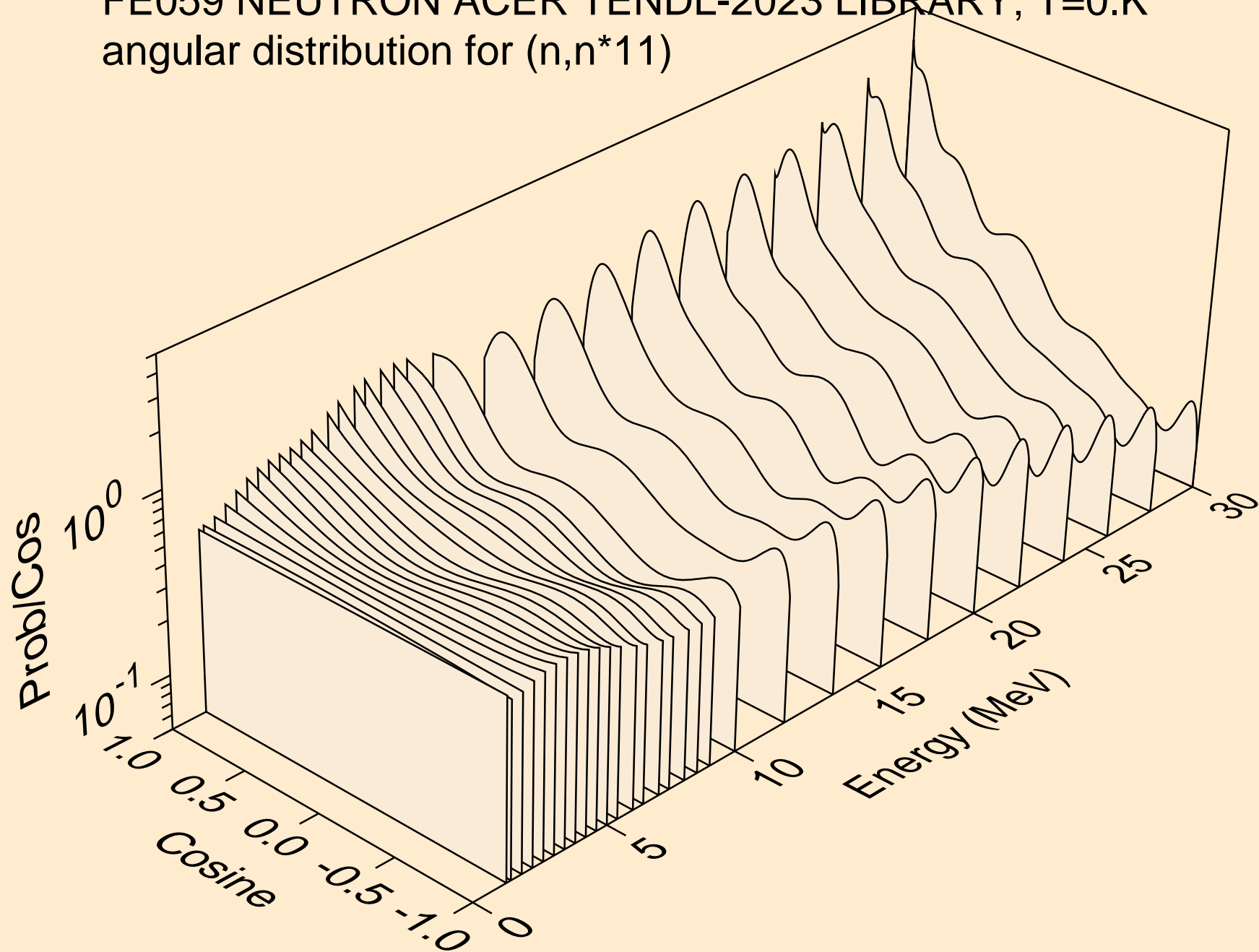
FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*9)



FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*10)

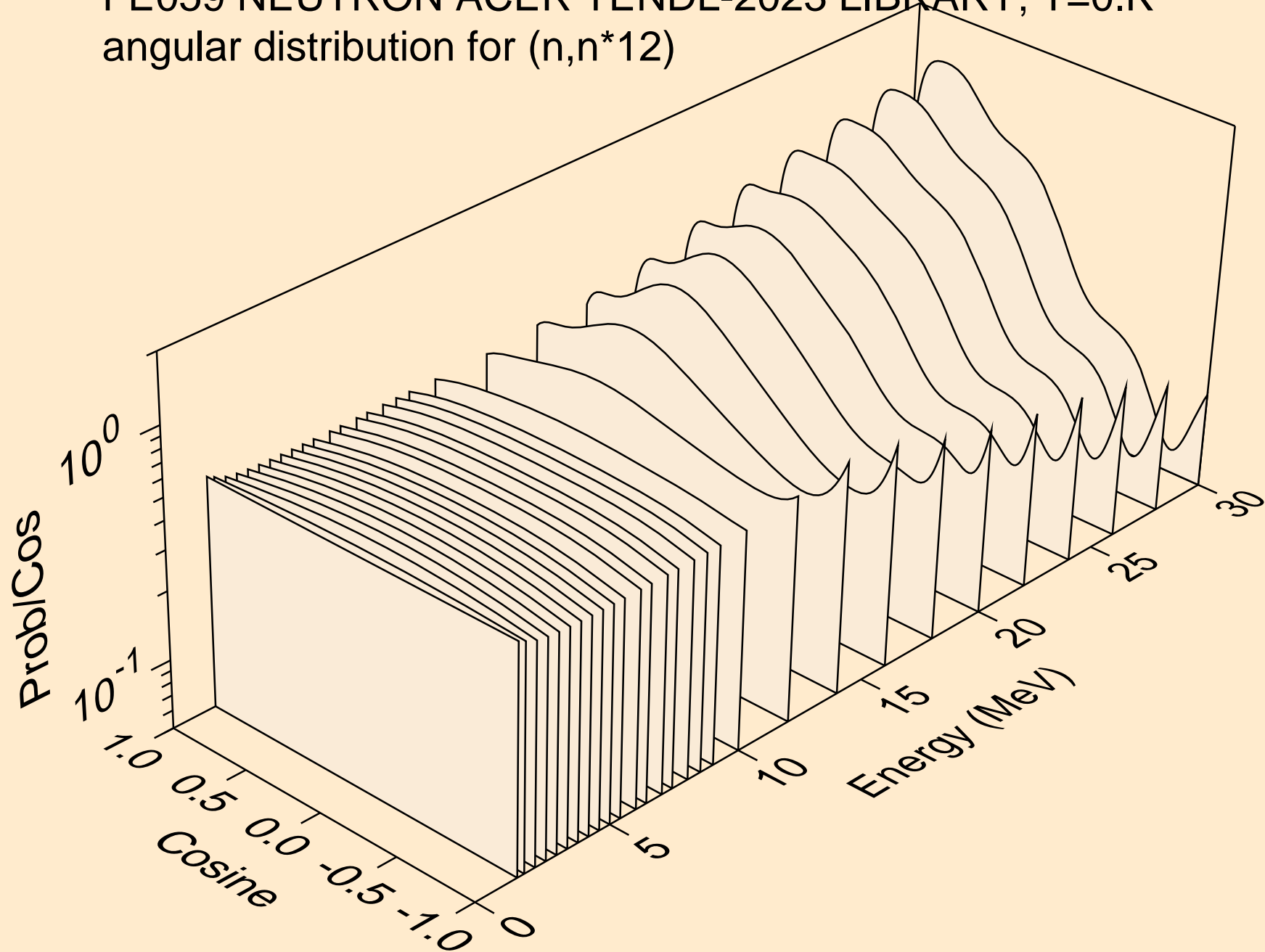


FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*11)

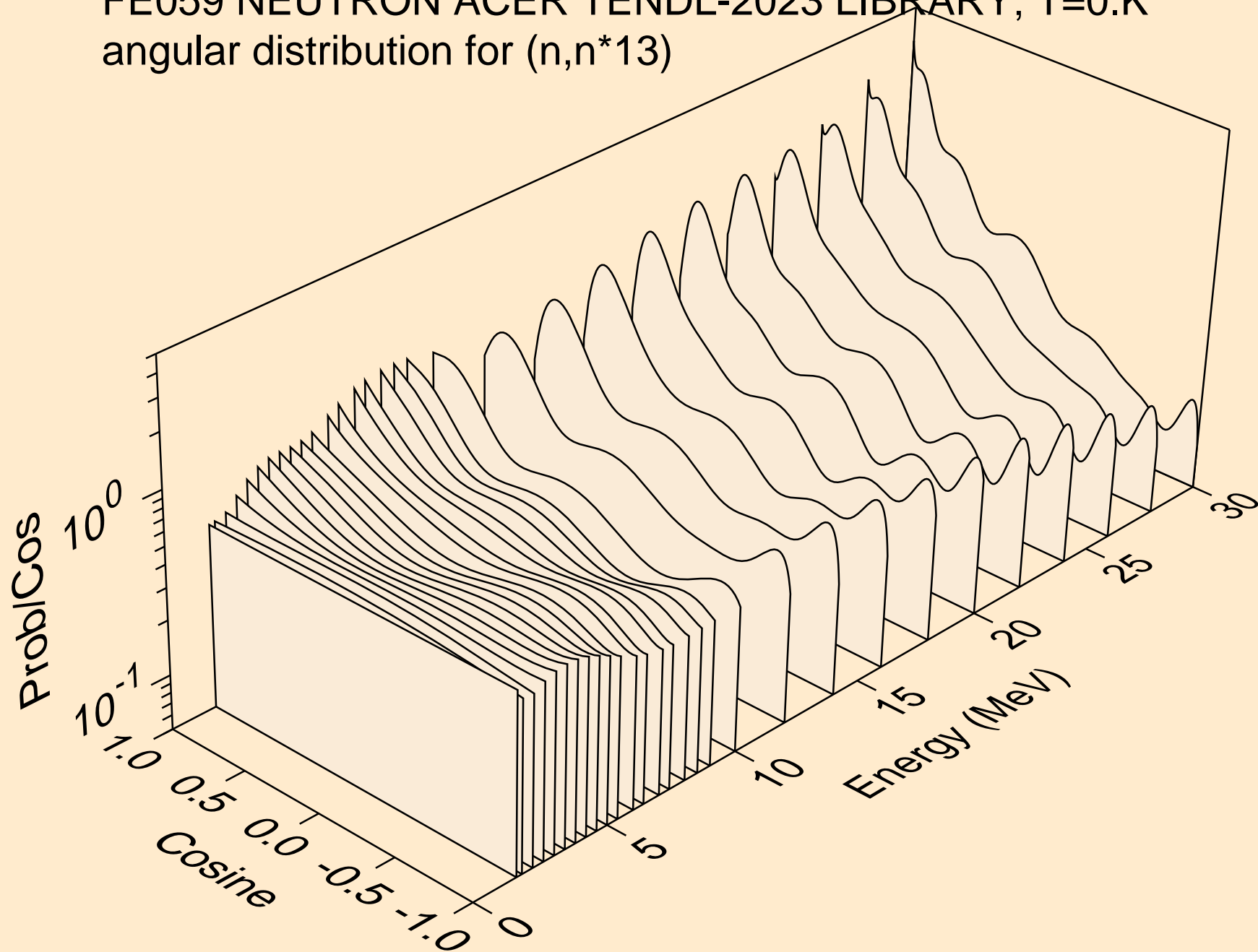




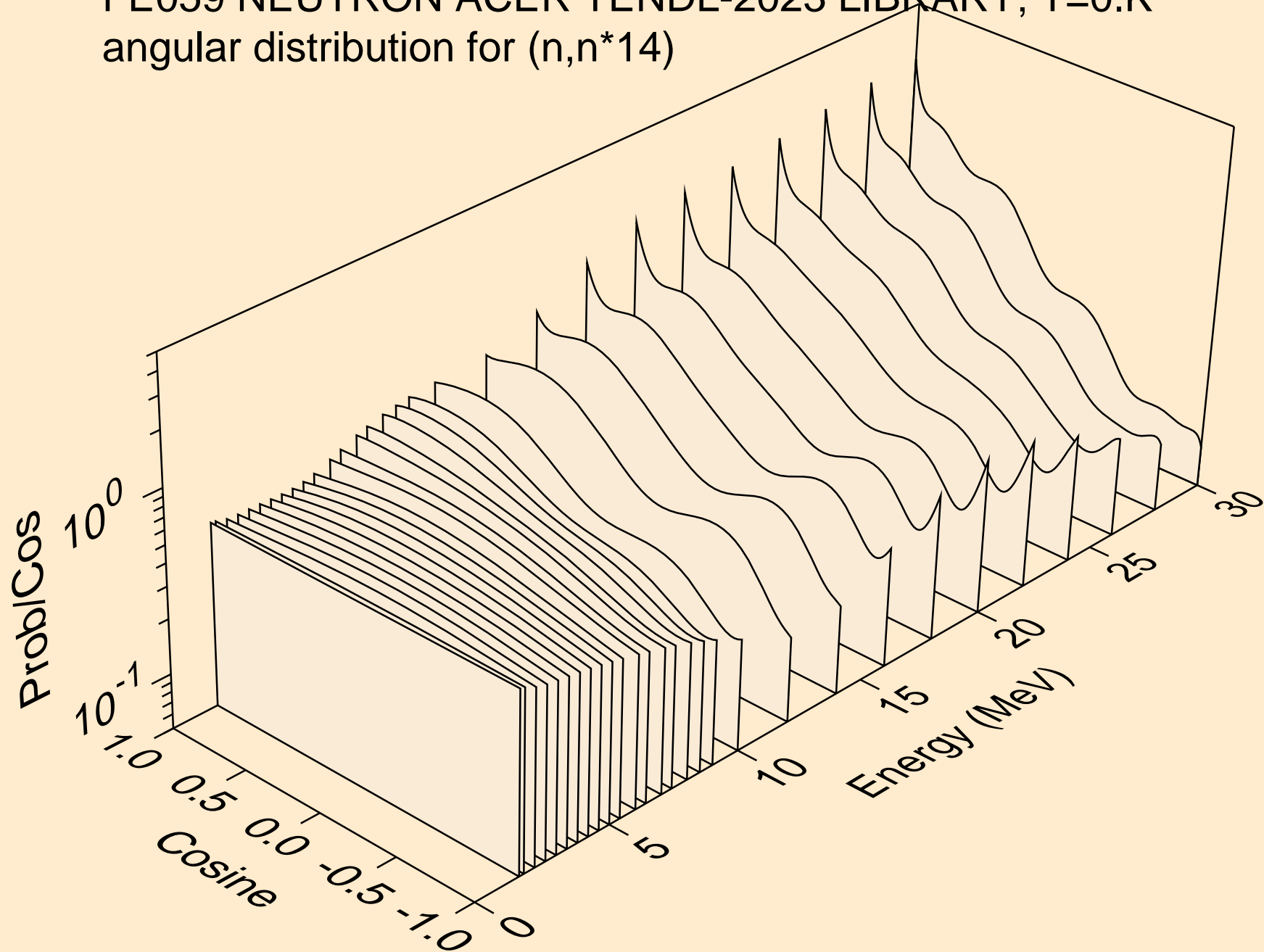
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angular distribution for (n,n\*12)



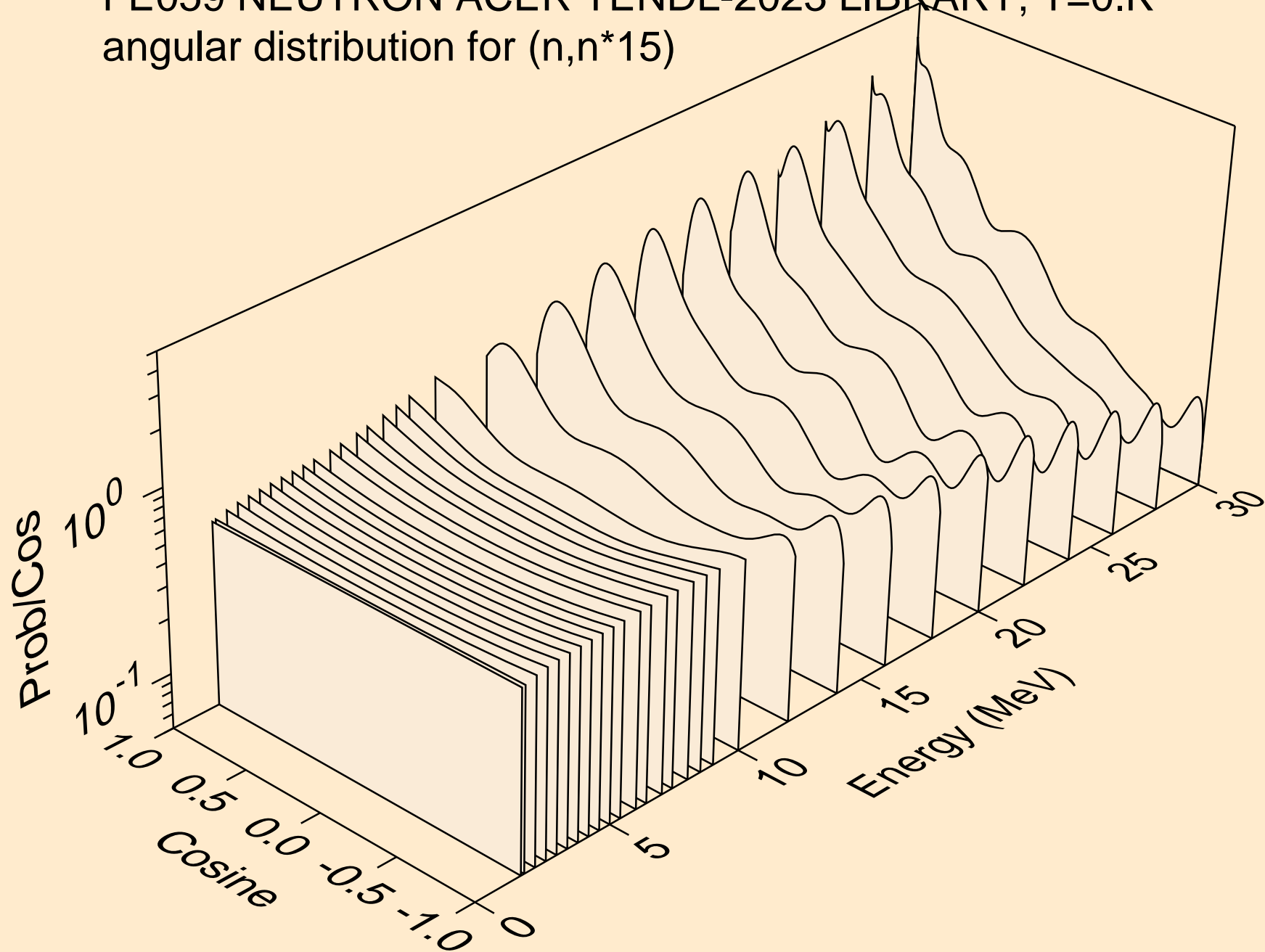
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angular distribution for (n,n\*13)



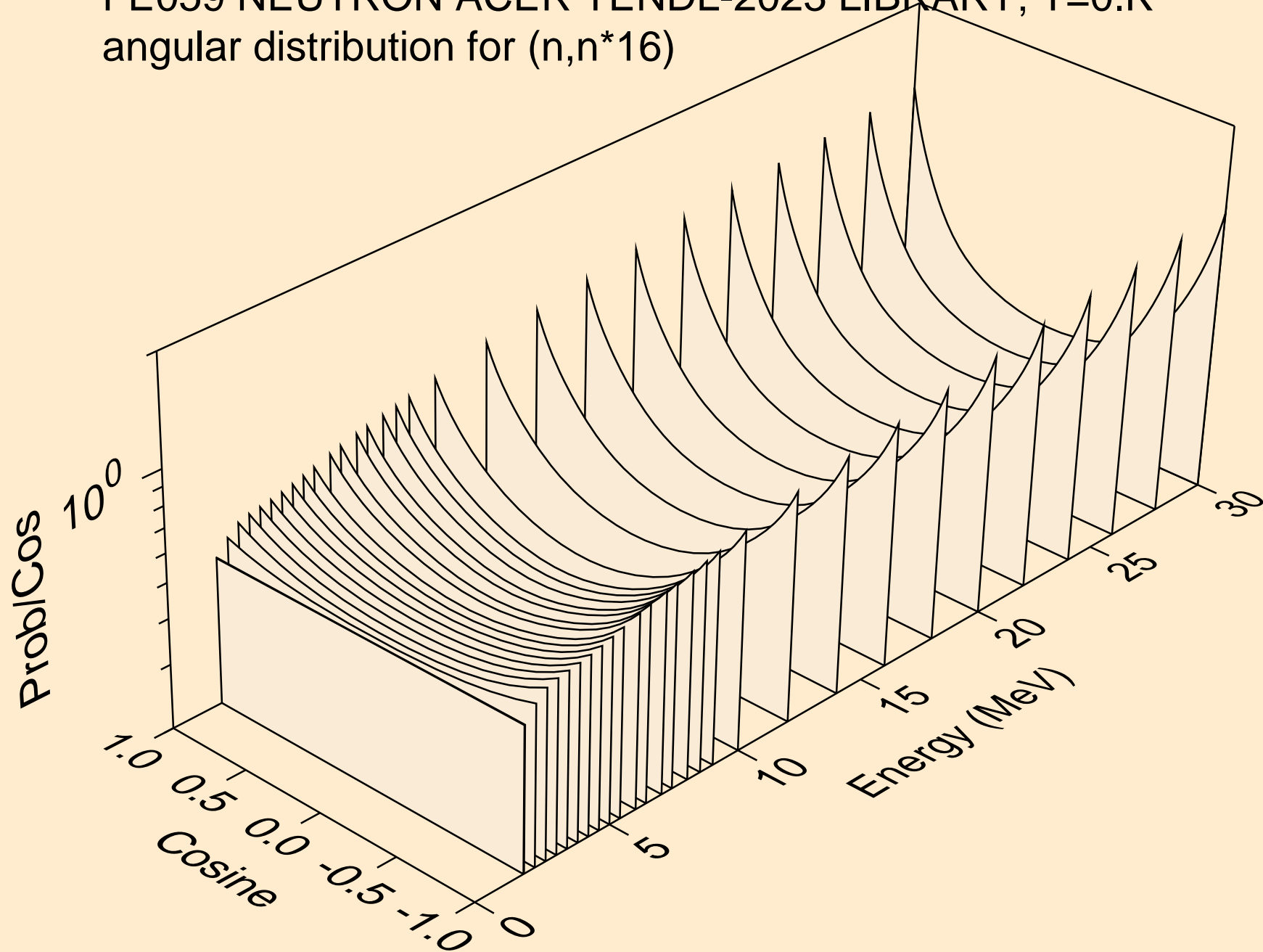
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angular distribution for (n,n\*14)



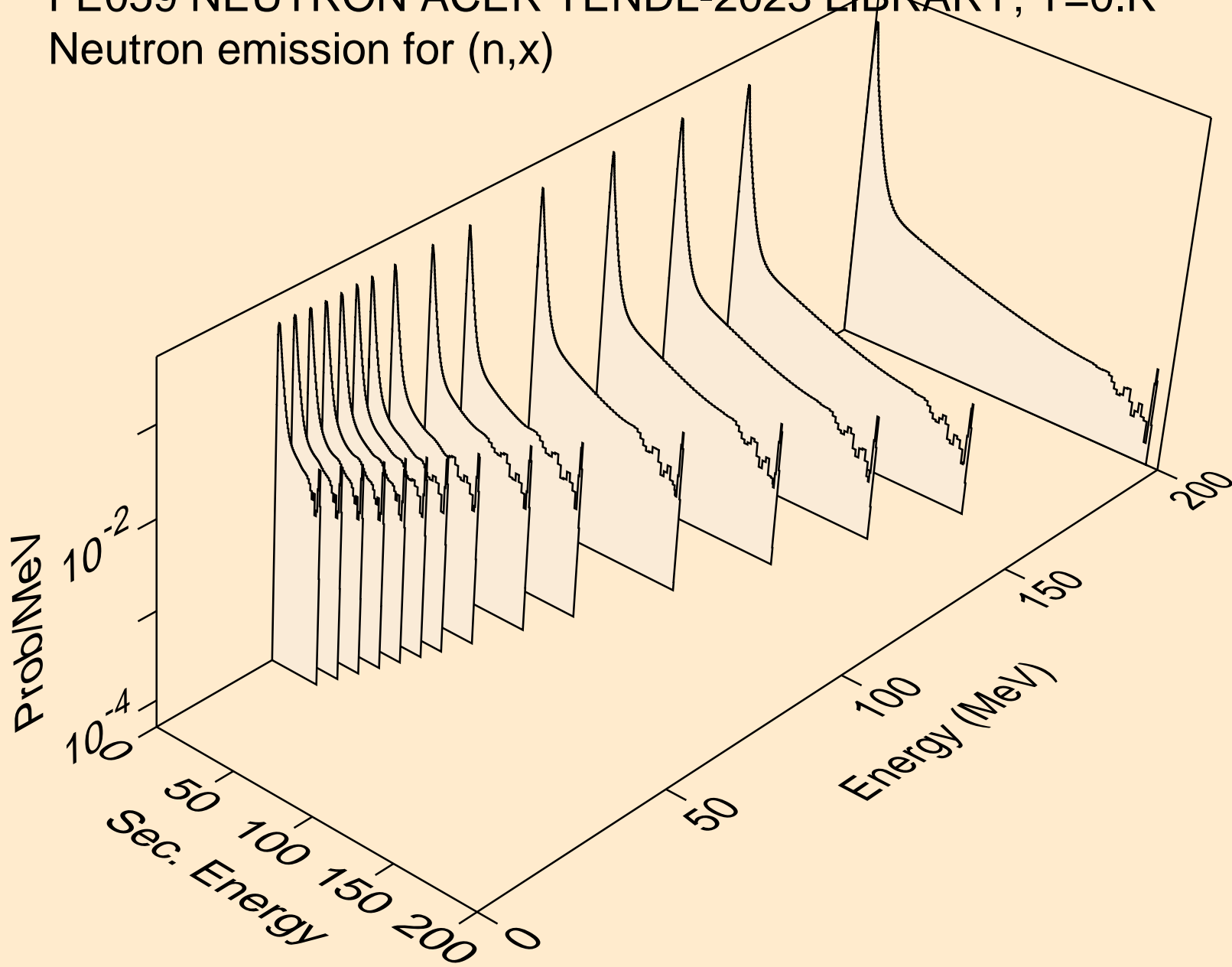
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angular distribution for (n,n\*15)



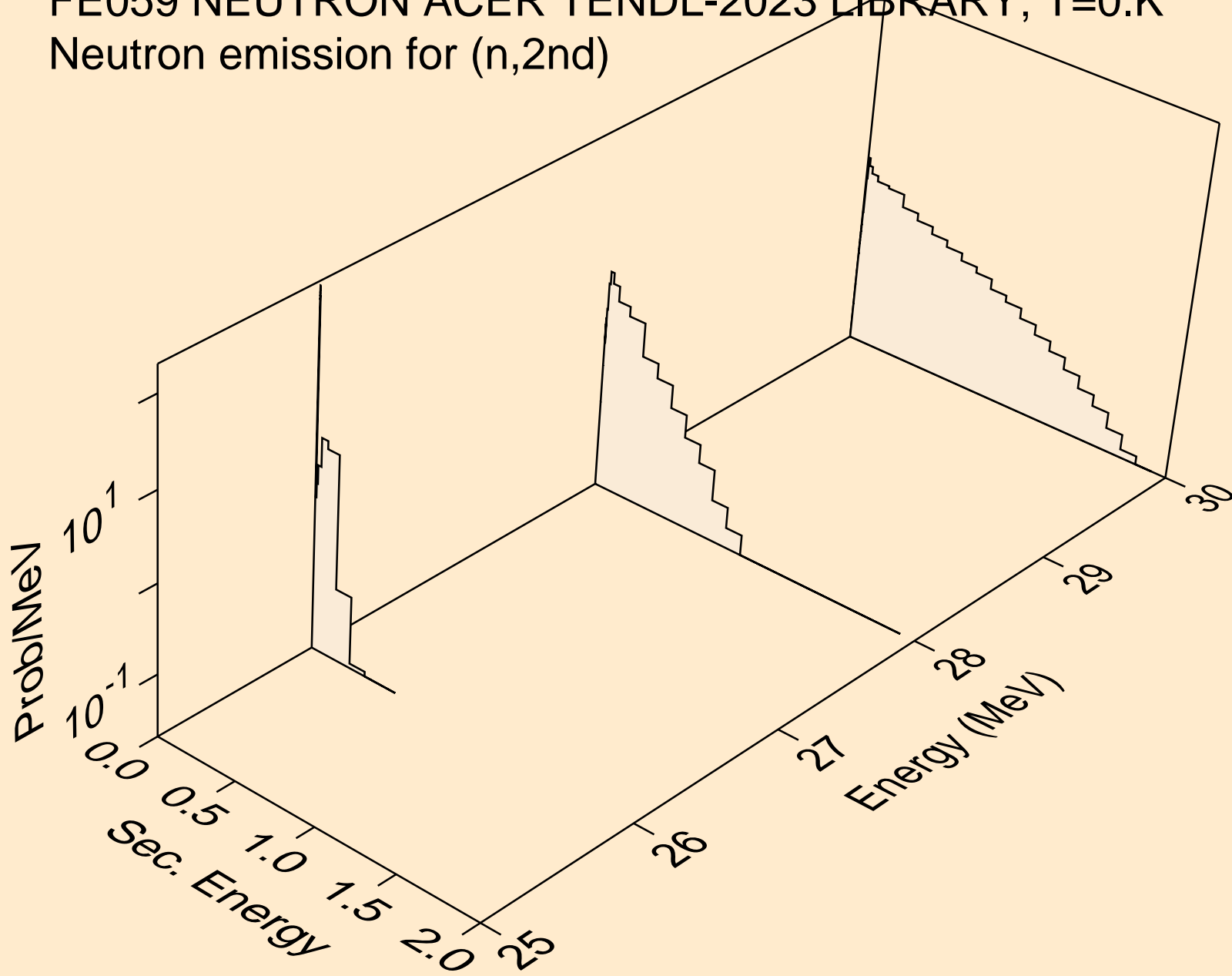
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angular distribution for (n,n\*16)



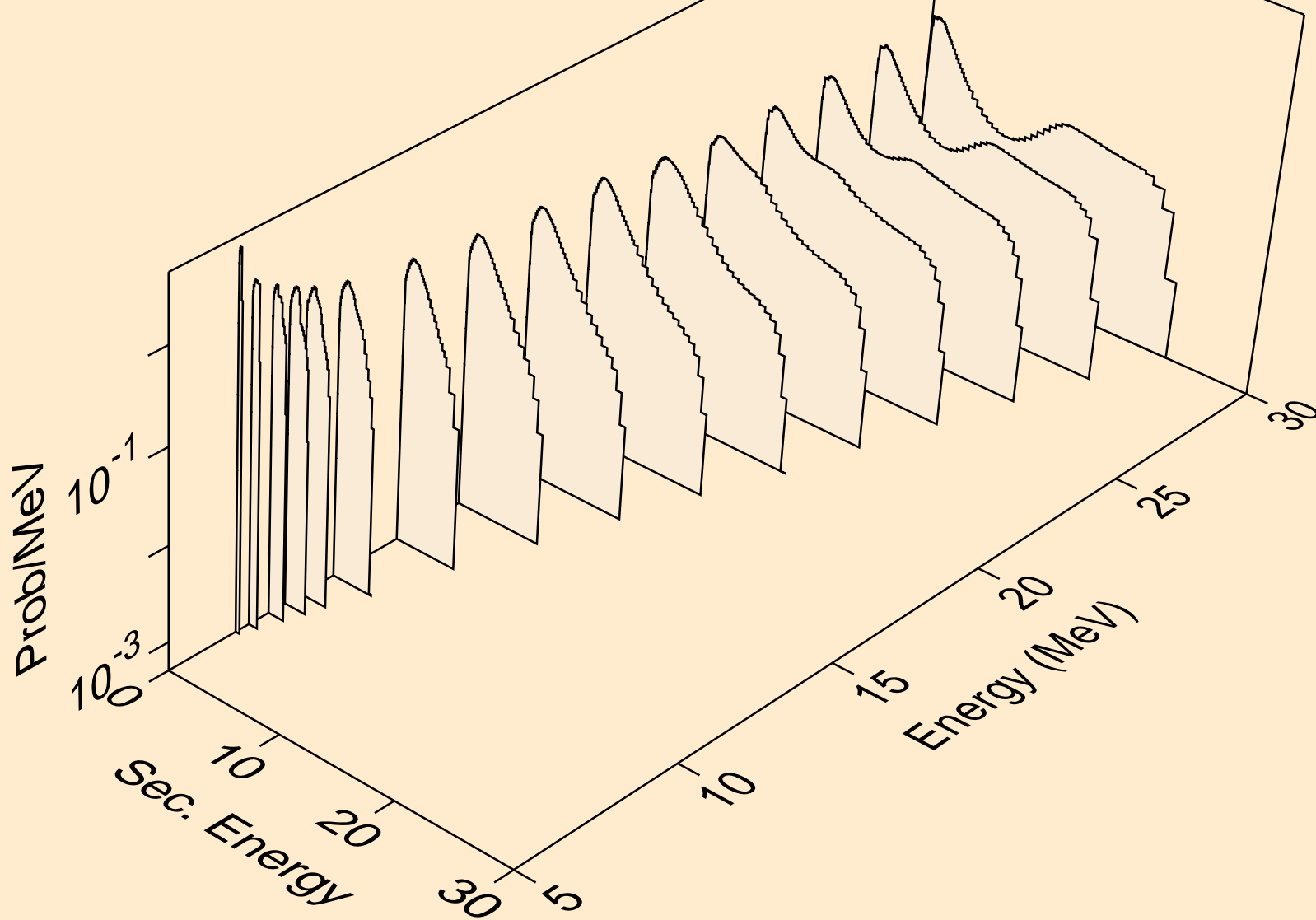
FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,x)



FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2nd)

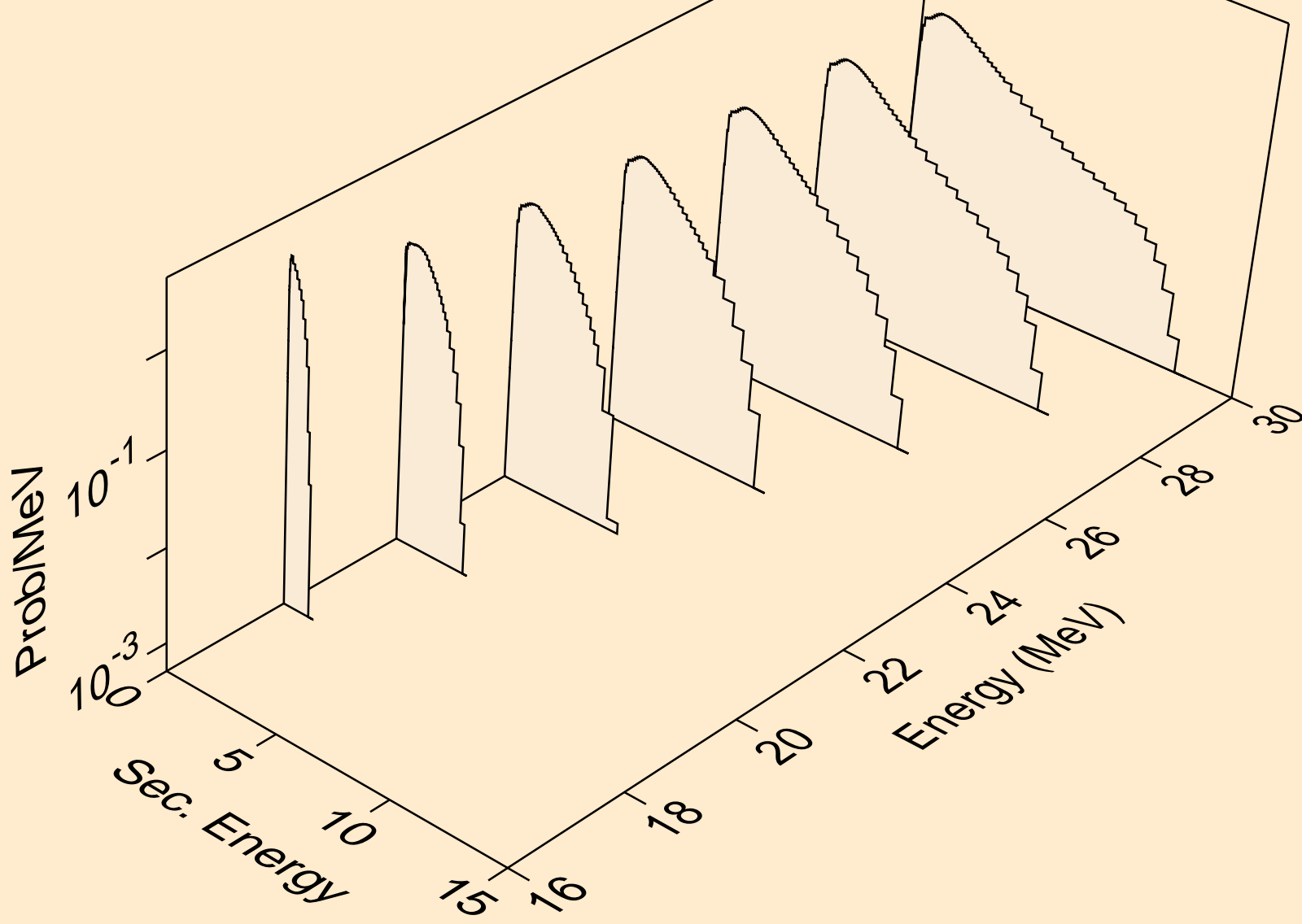


FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)

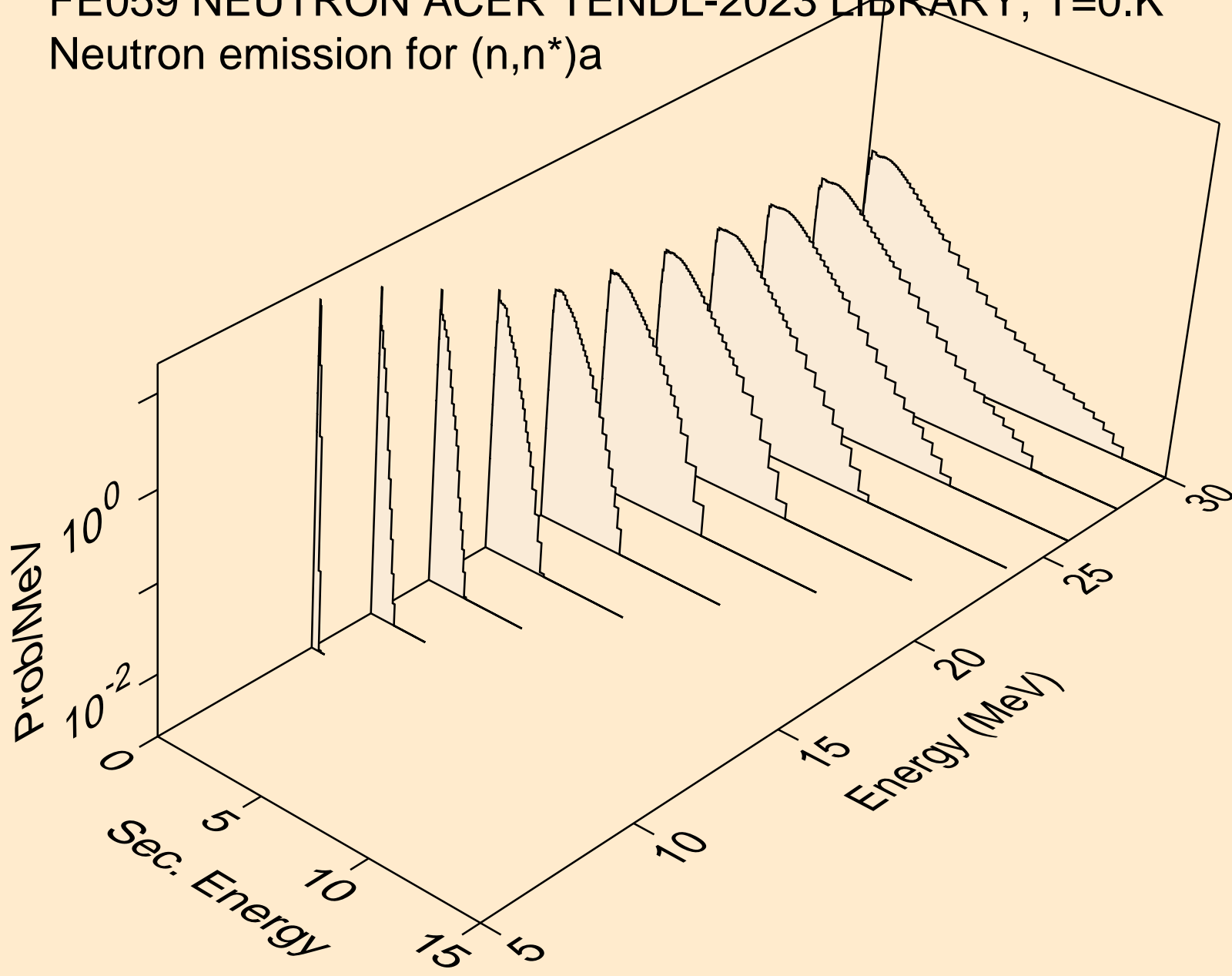




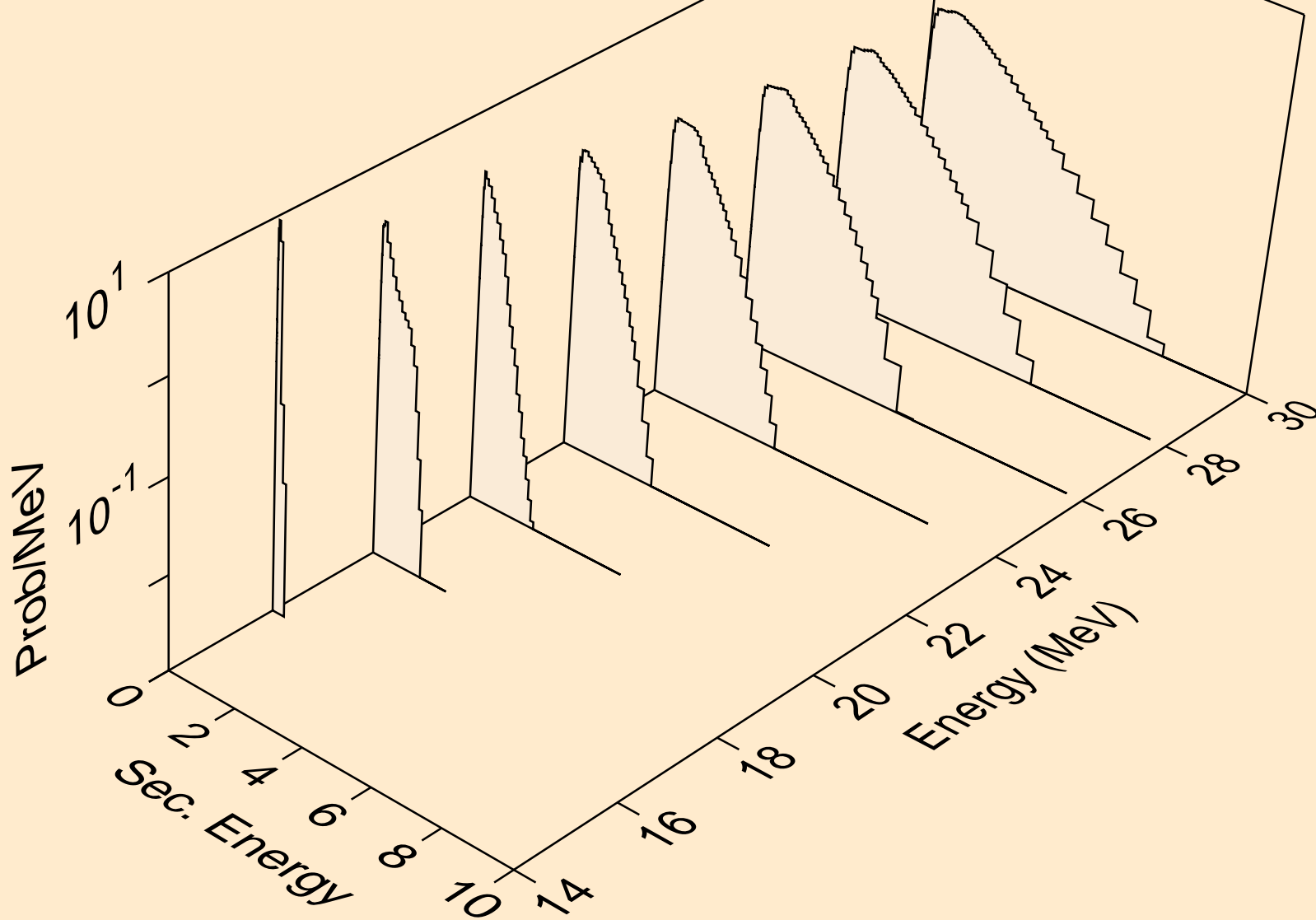
FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)



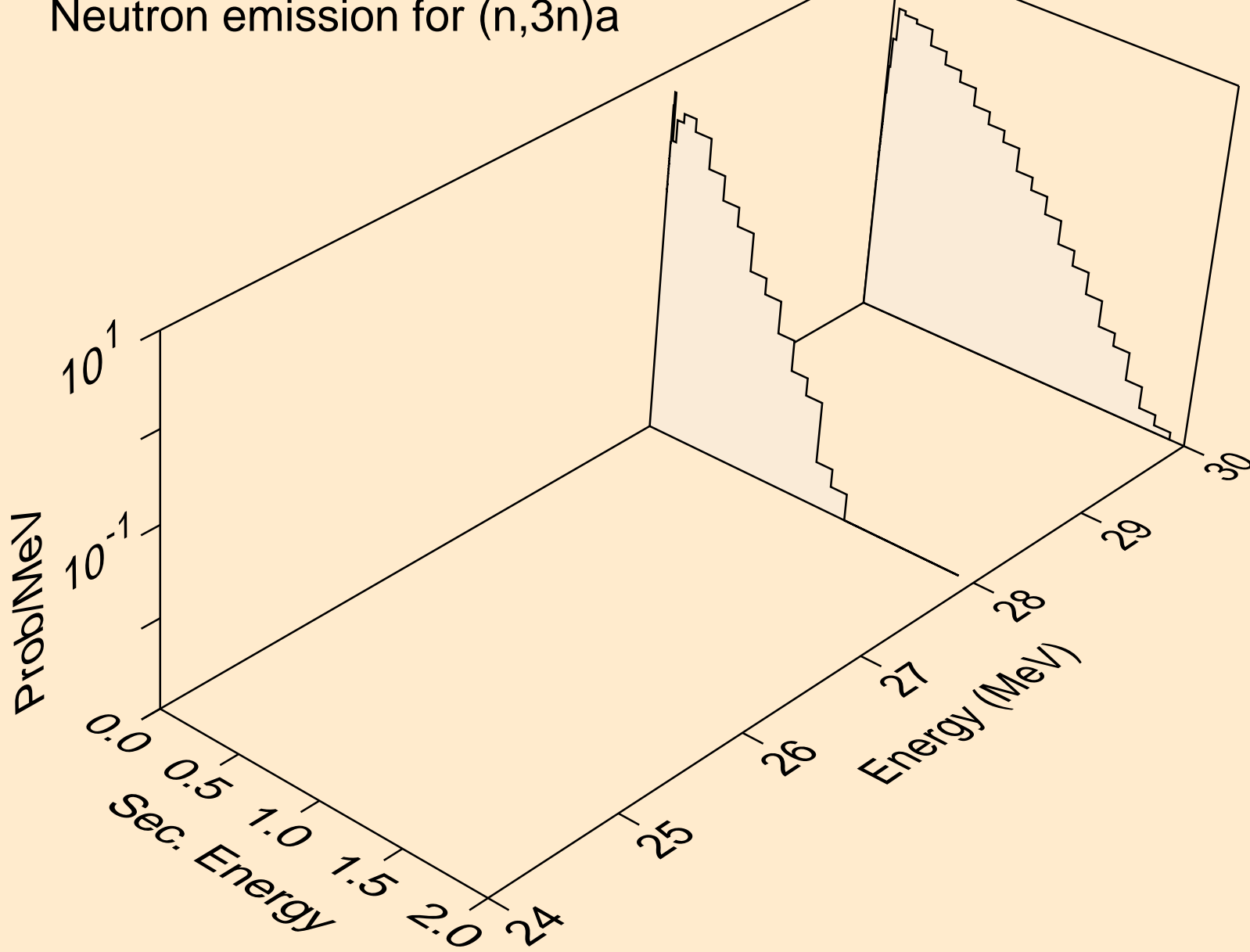
FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



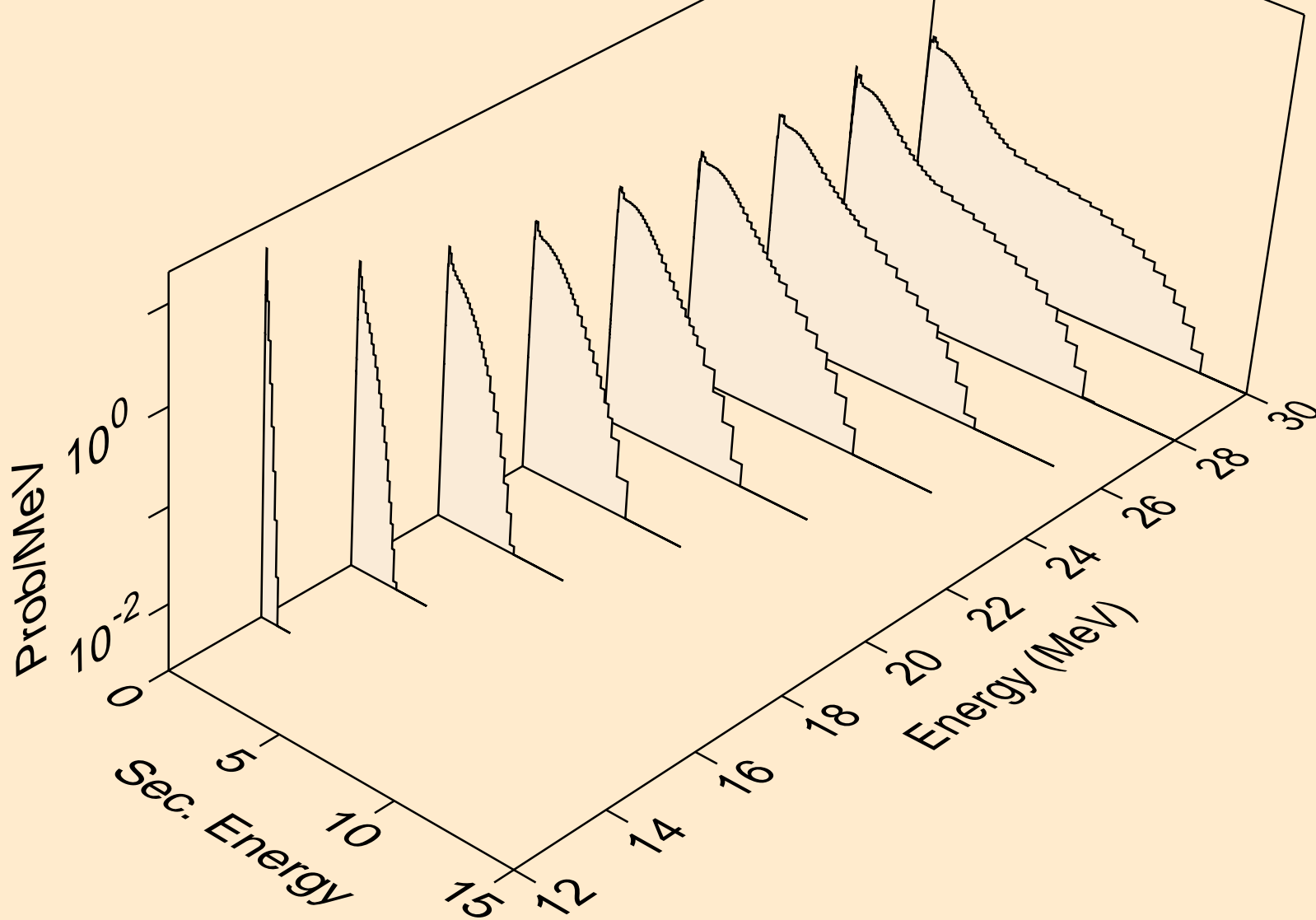
FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)a



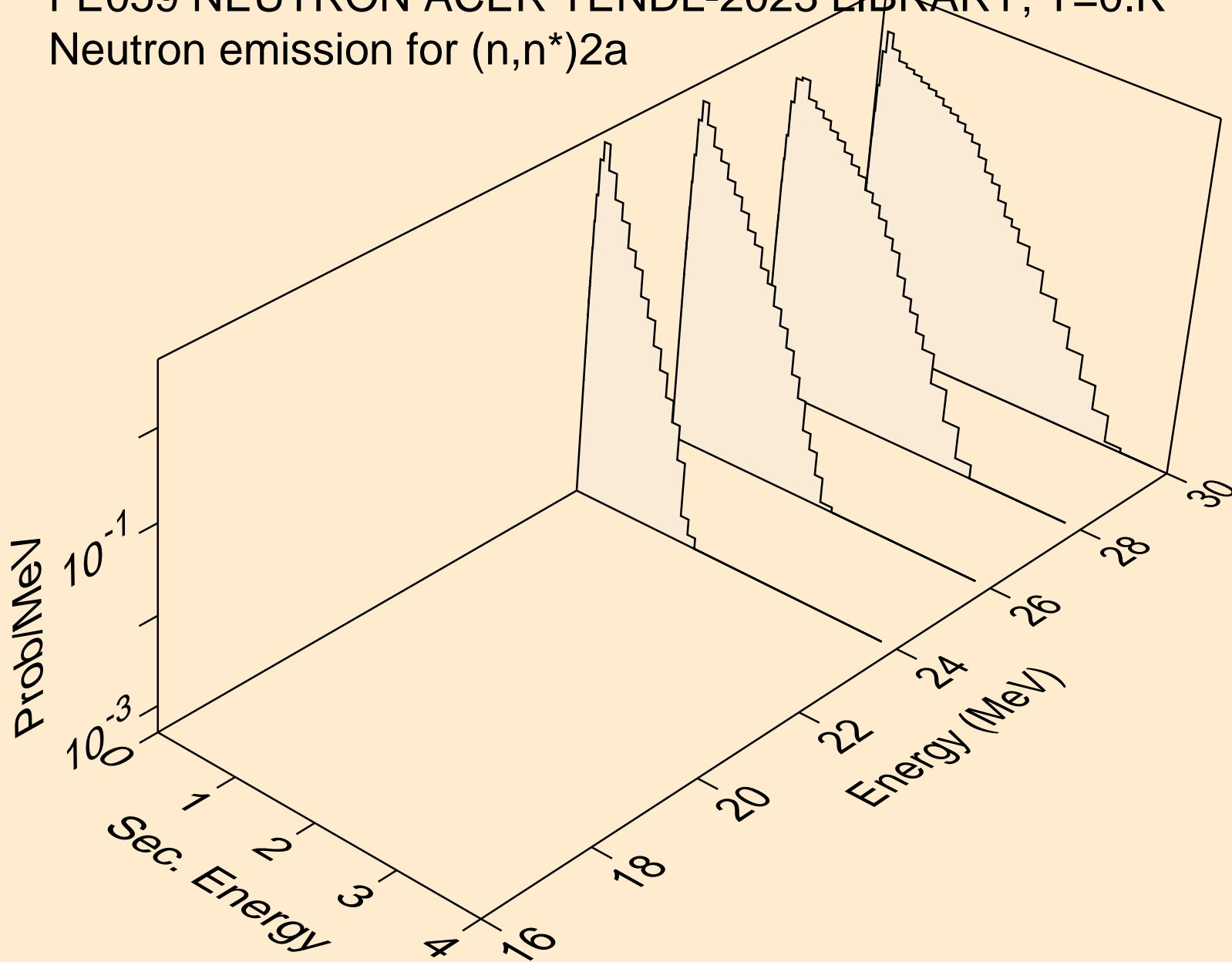
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Neutron emission for (n,3n)a



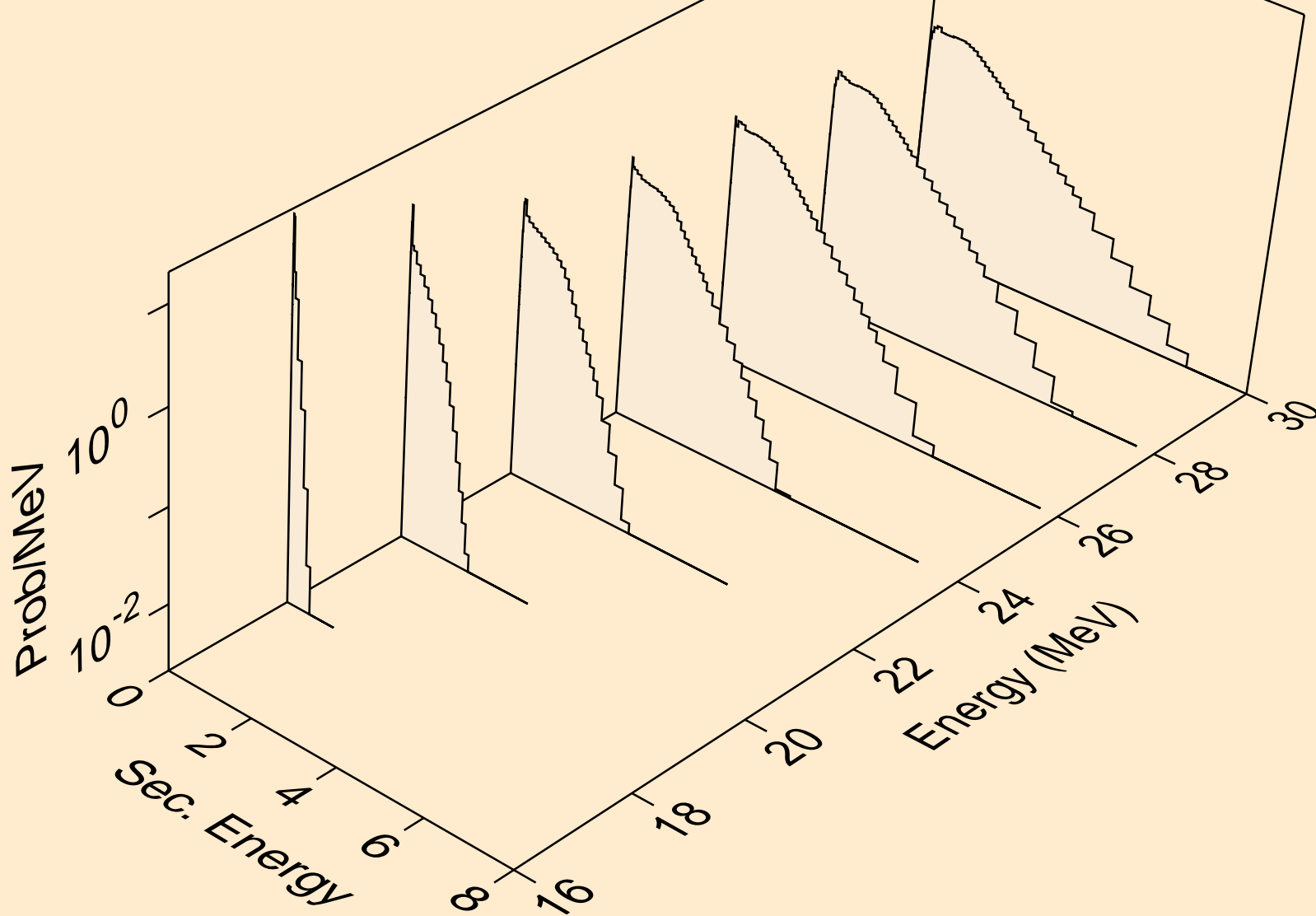
FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



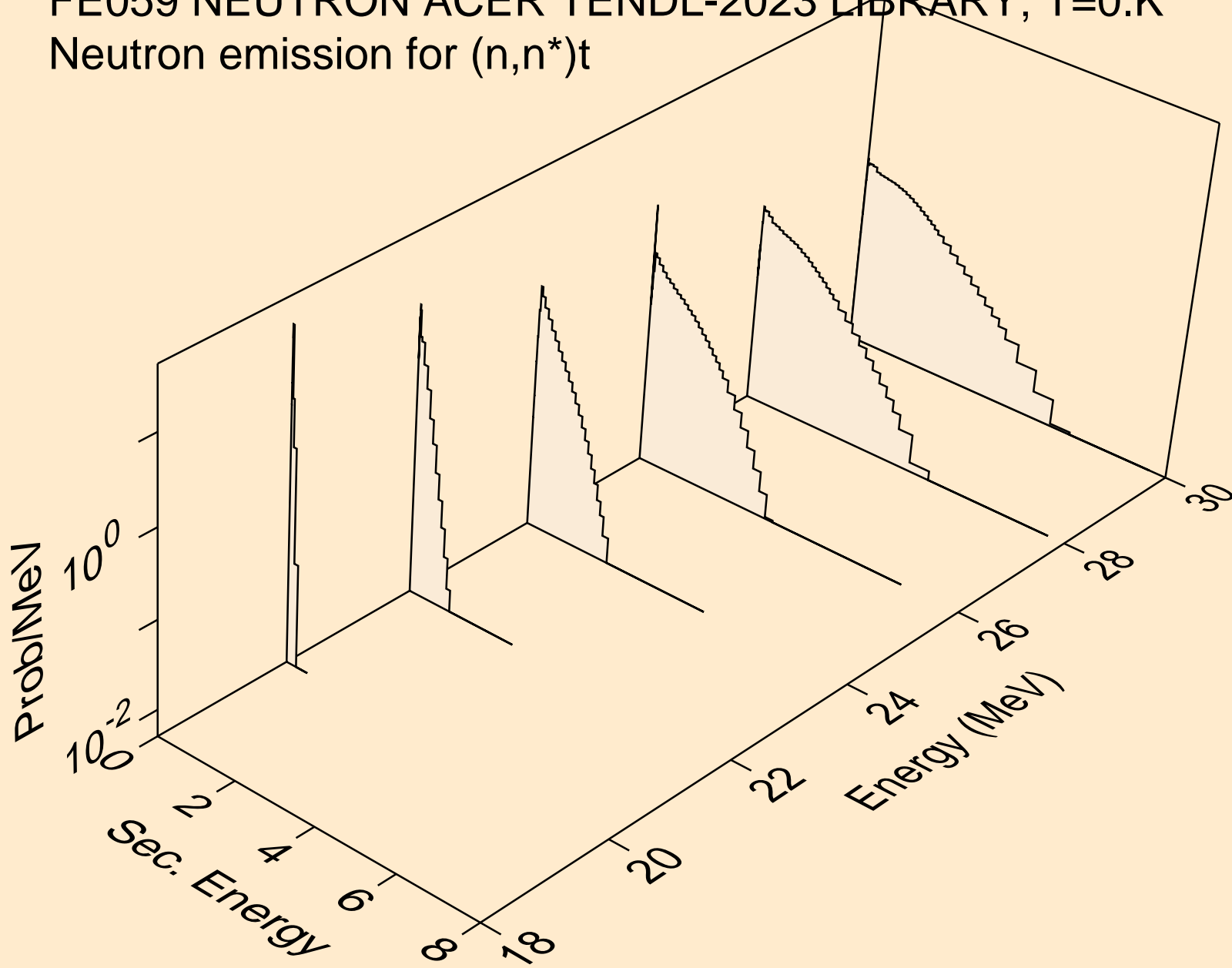
FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)2a



FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d

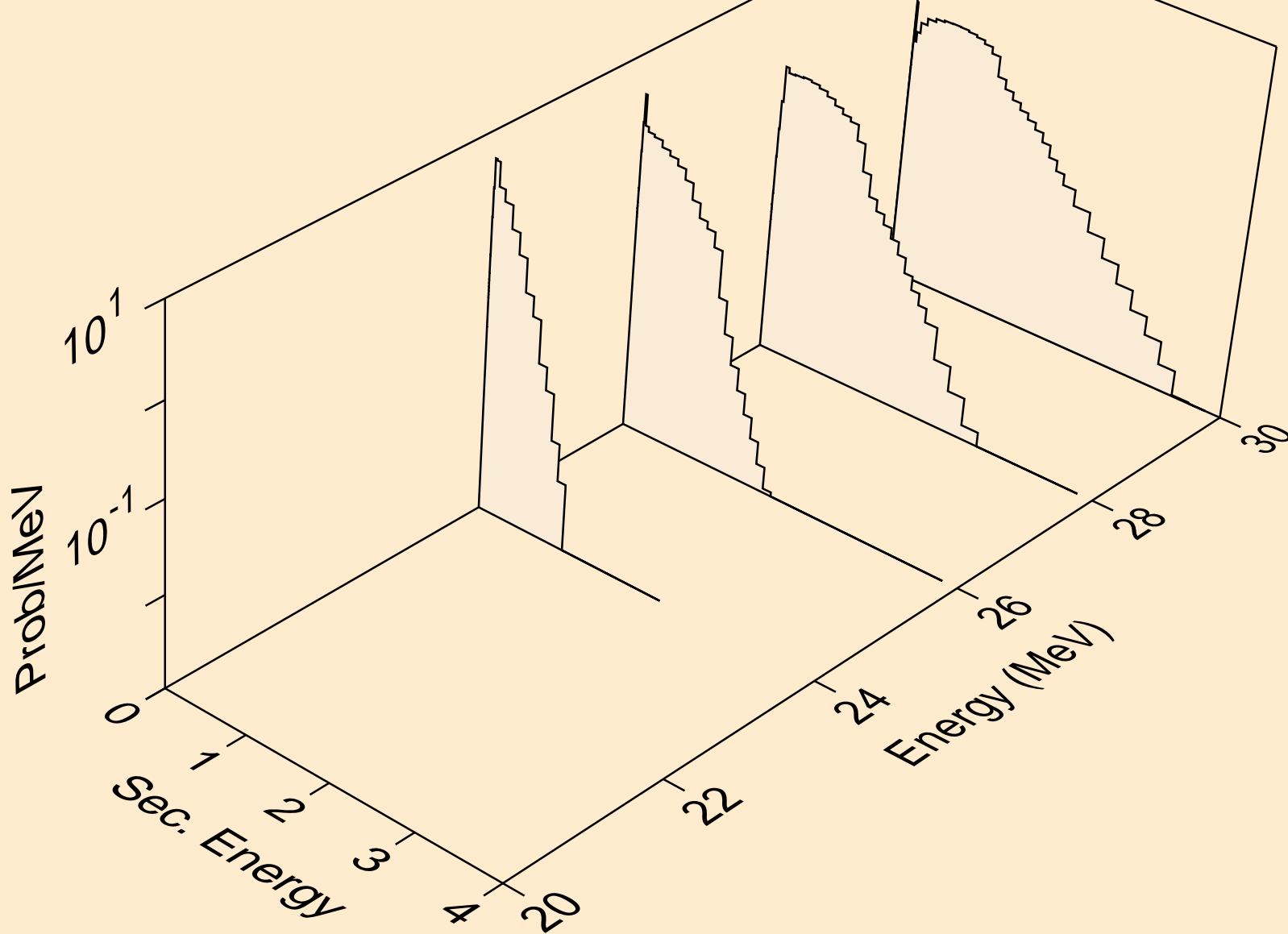


FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t

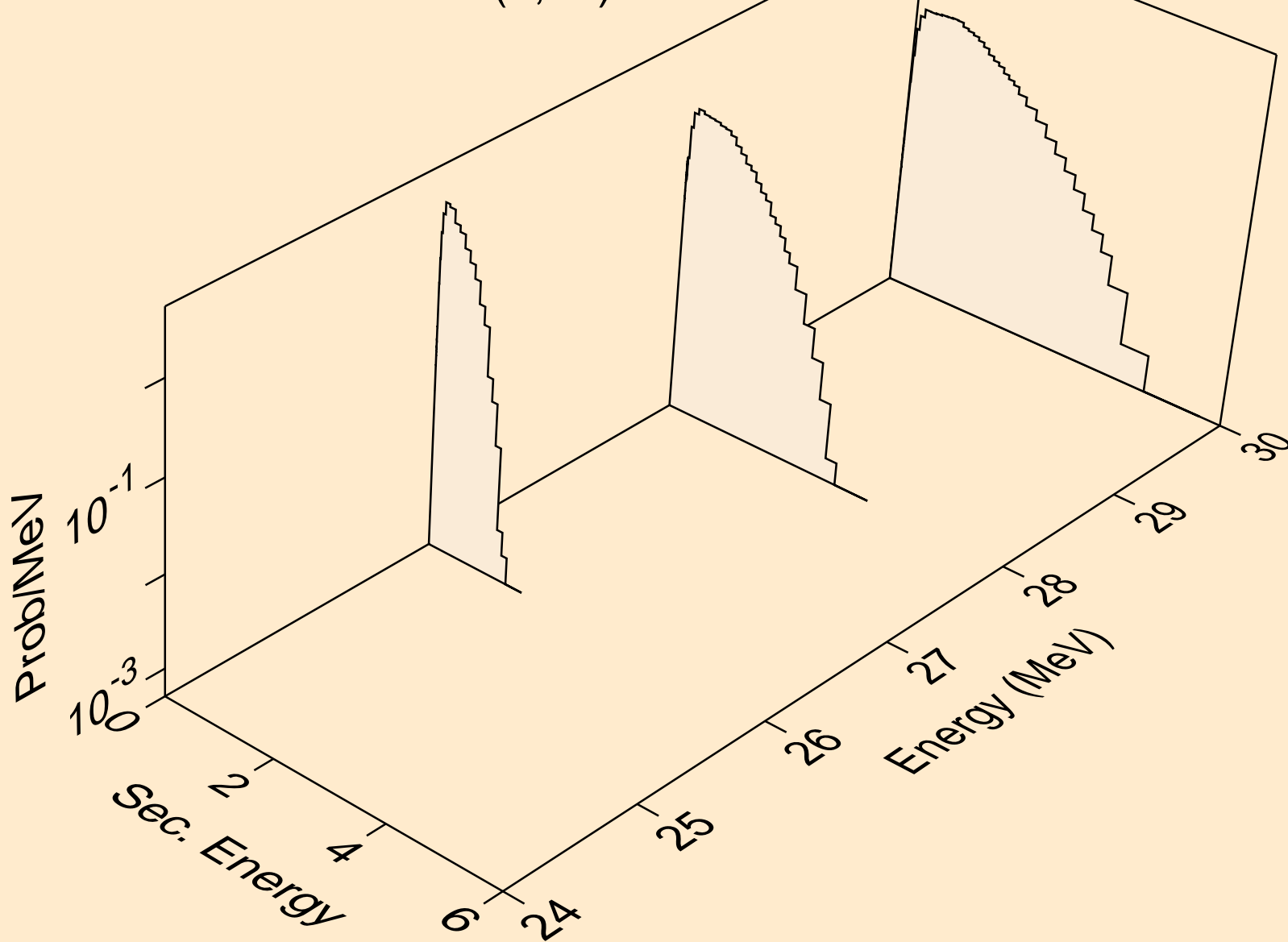




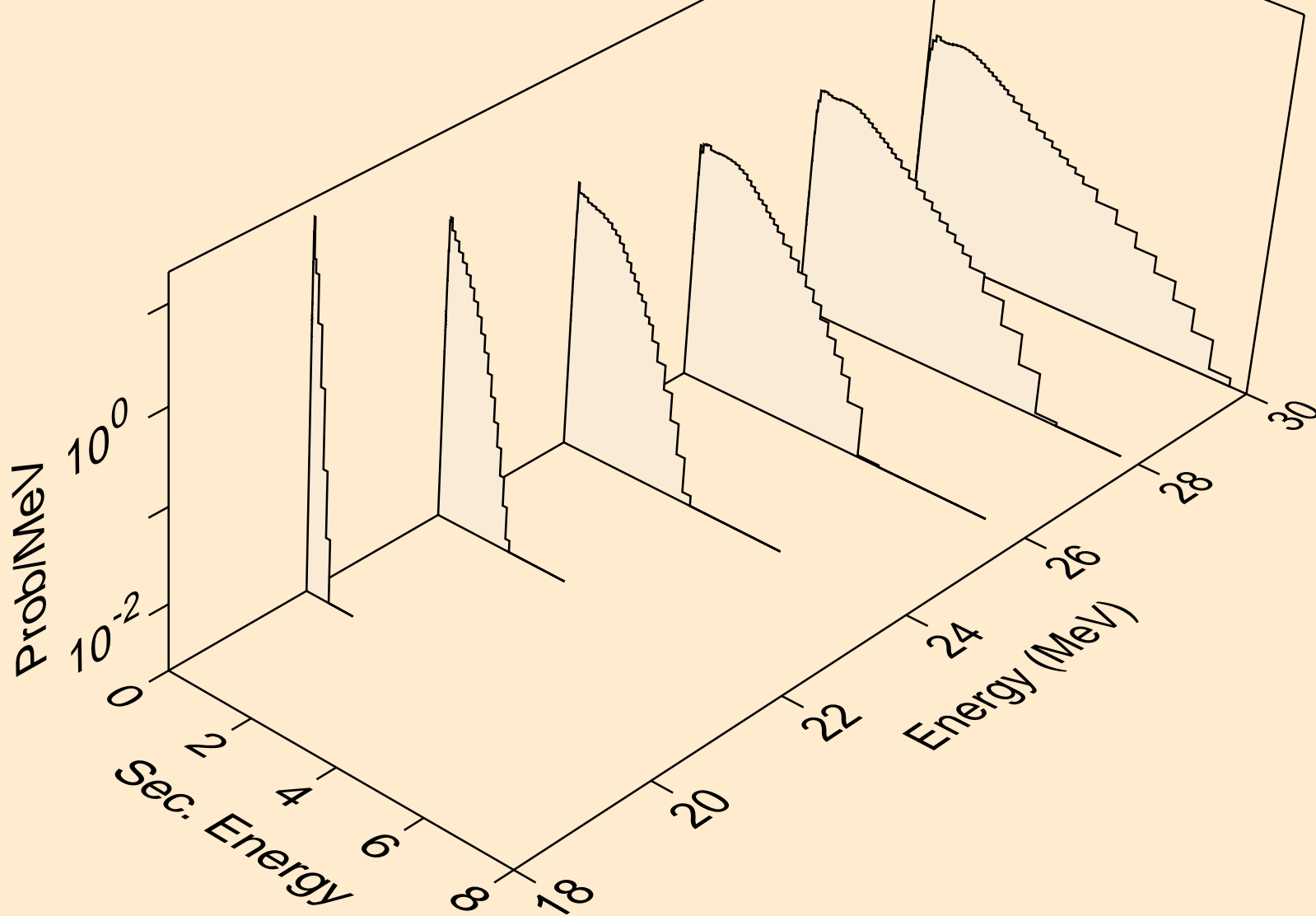
FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



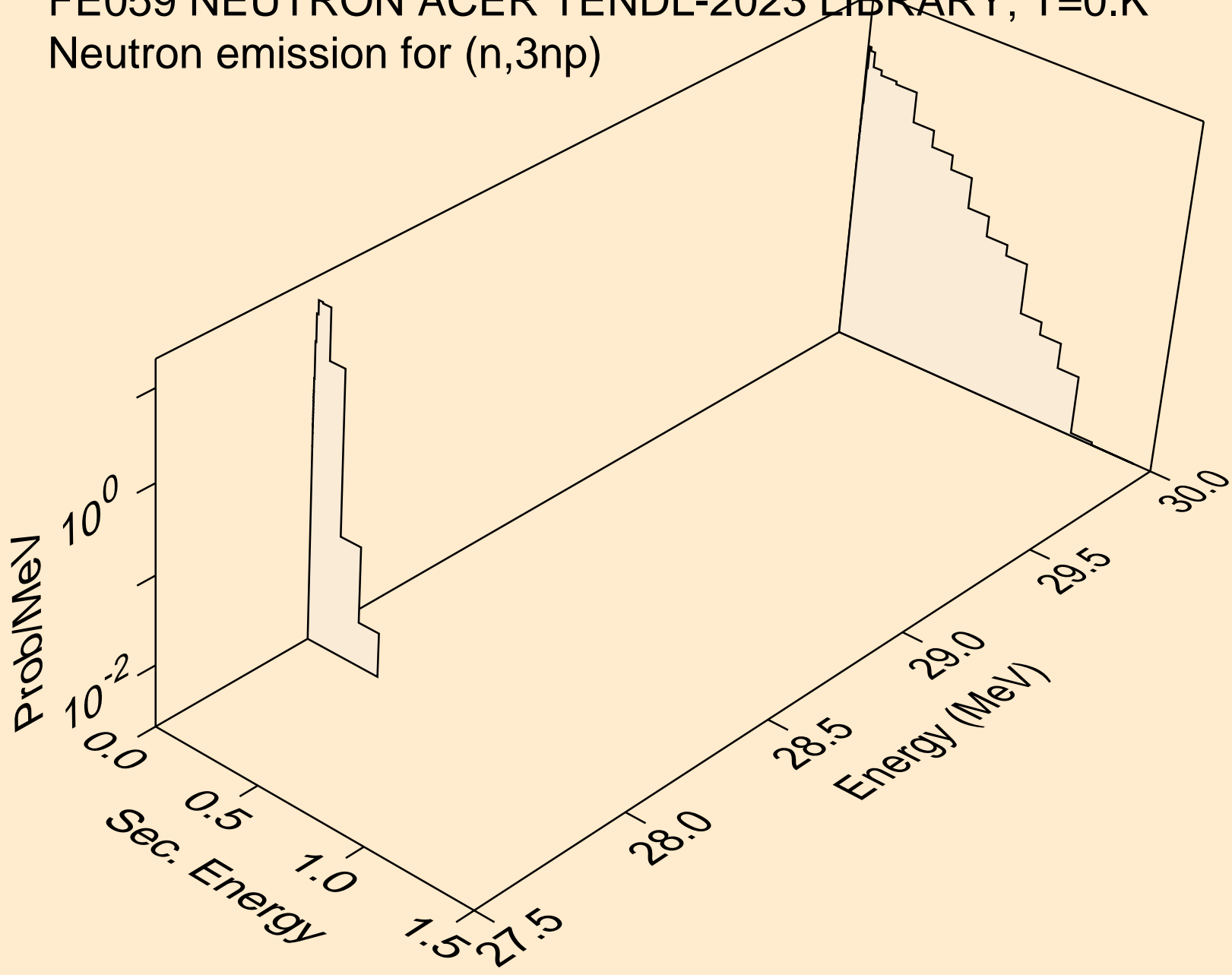
FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,4n)



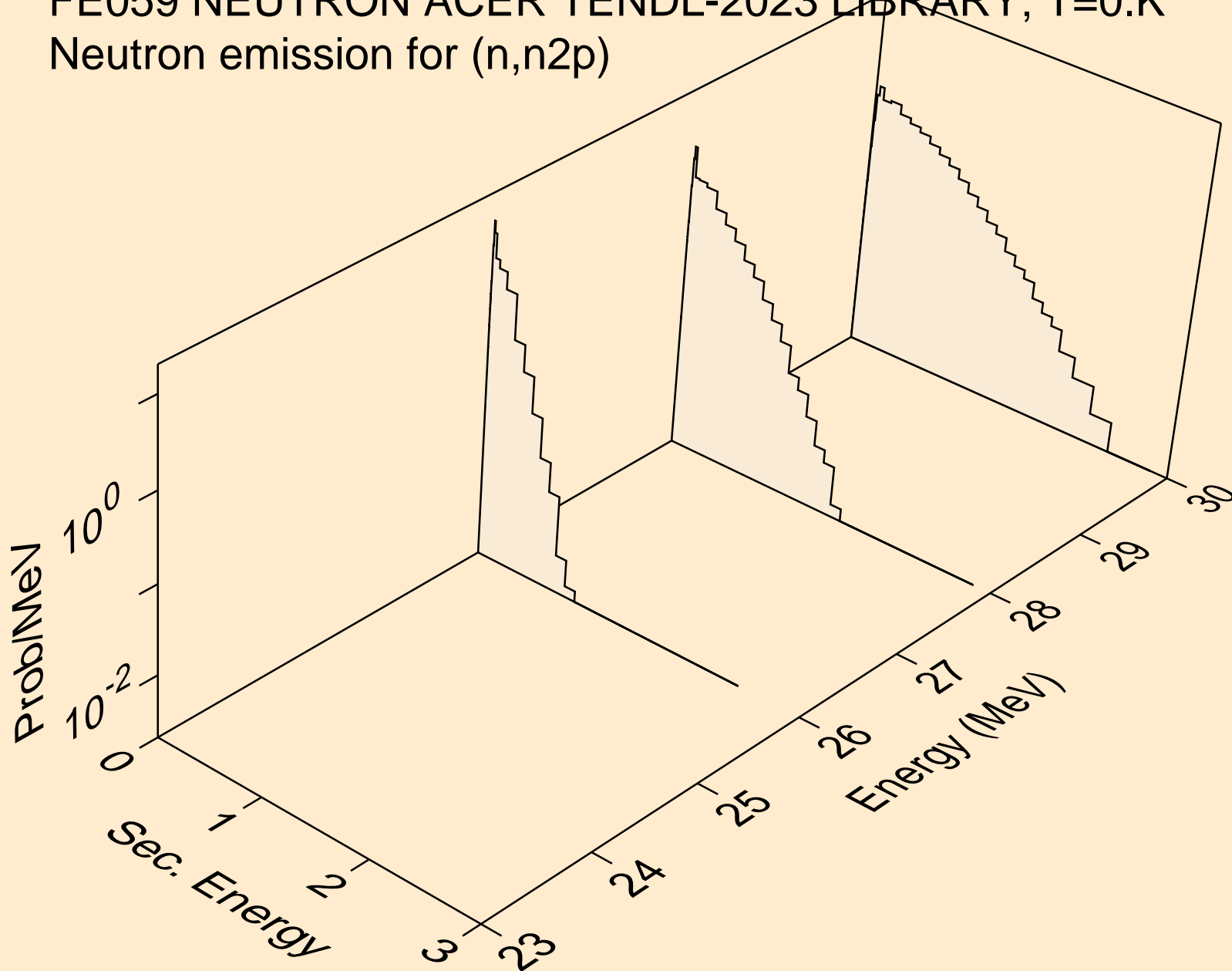
FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2np)



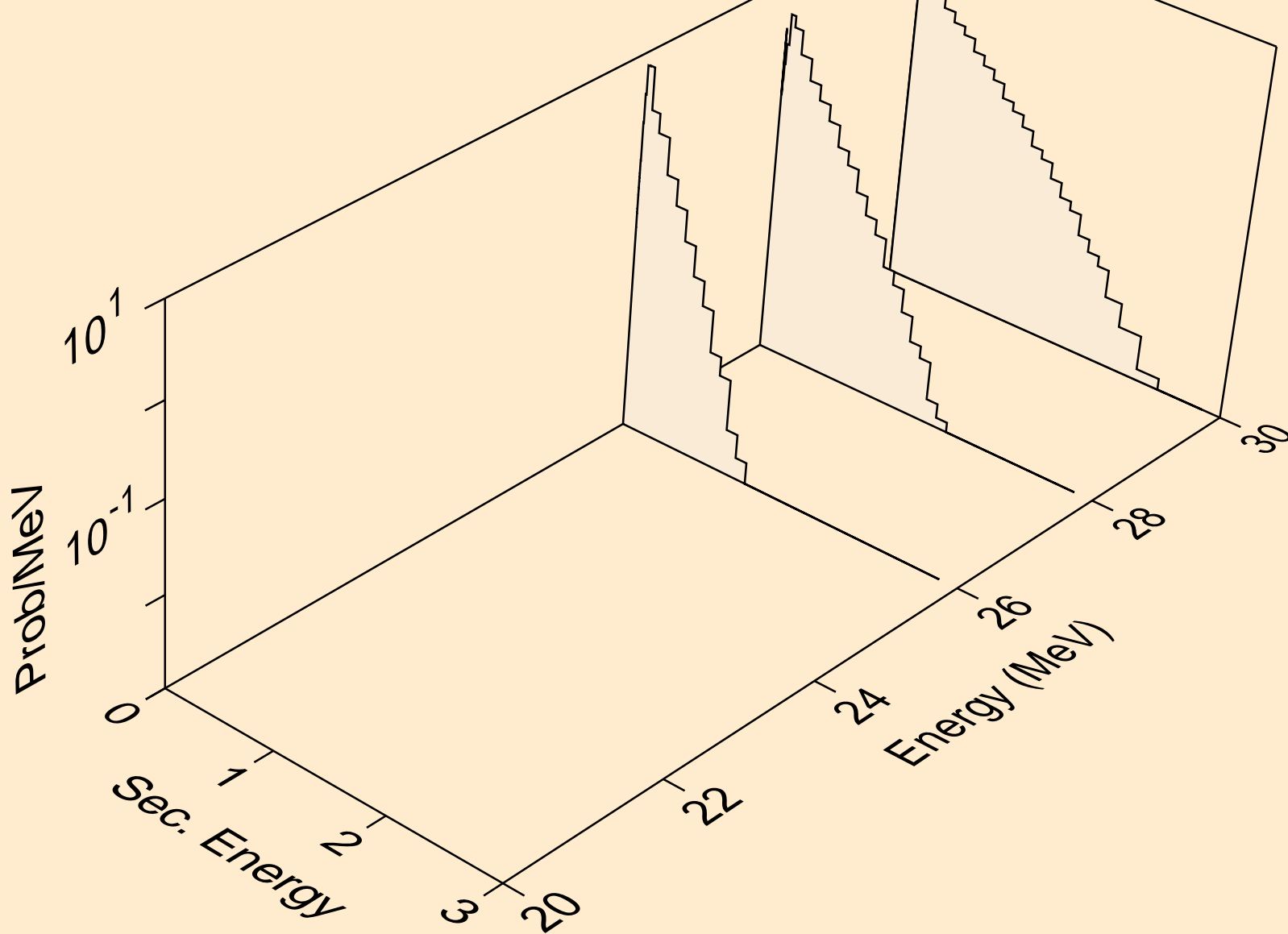
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Neutron emission for (n,3np)



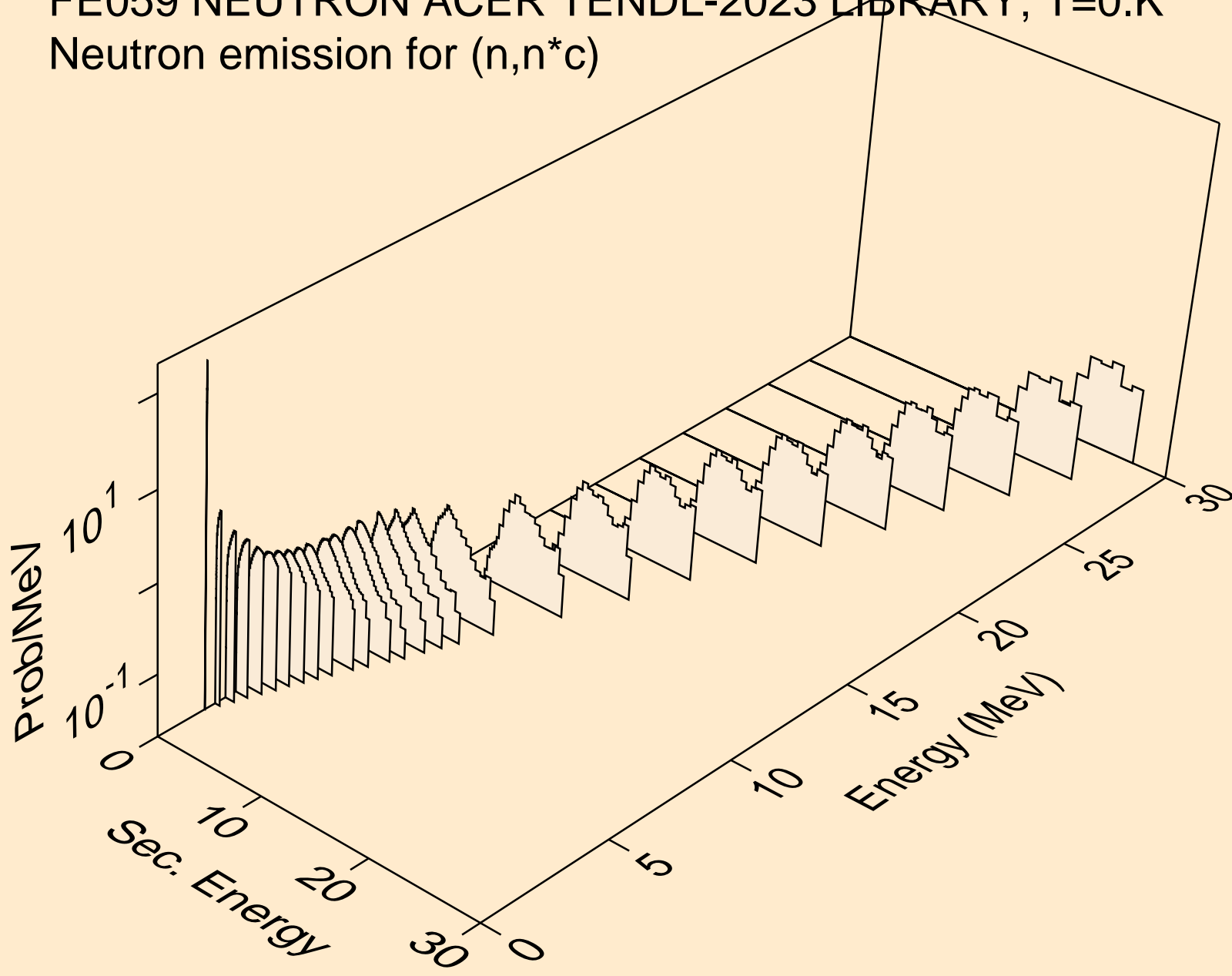
FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n2p)



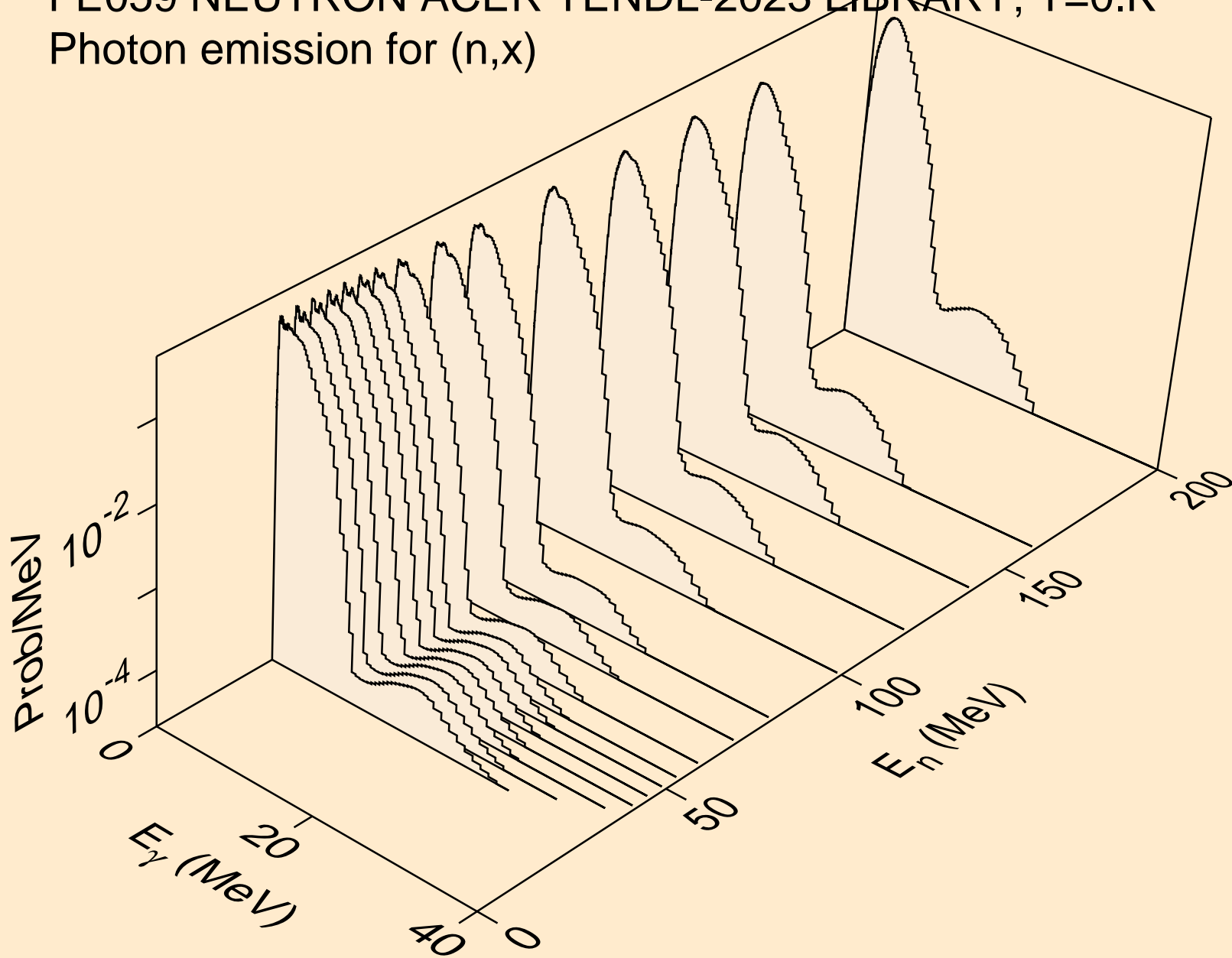
FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,npa)



FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)

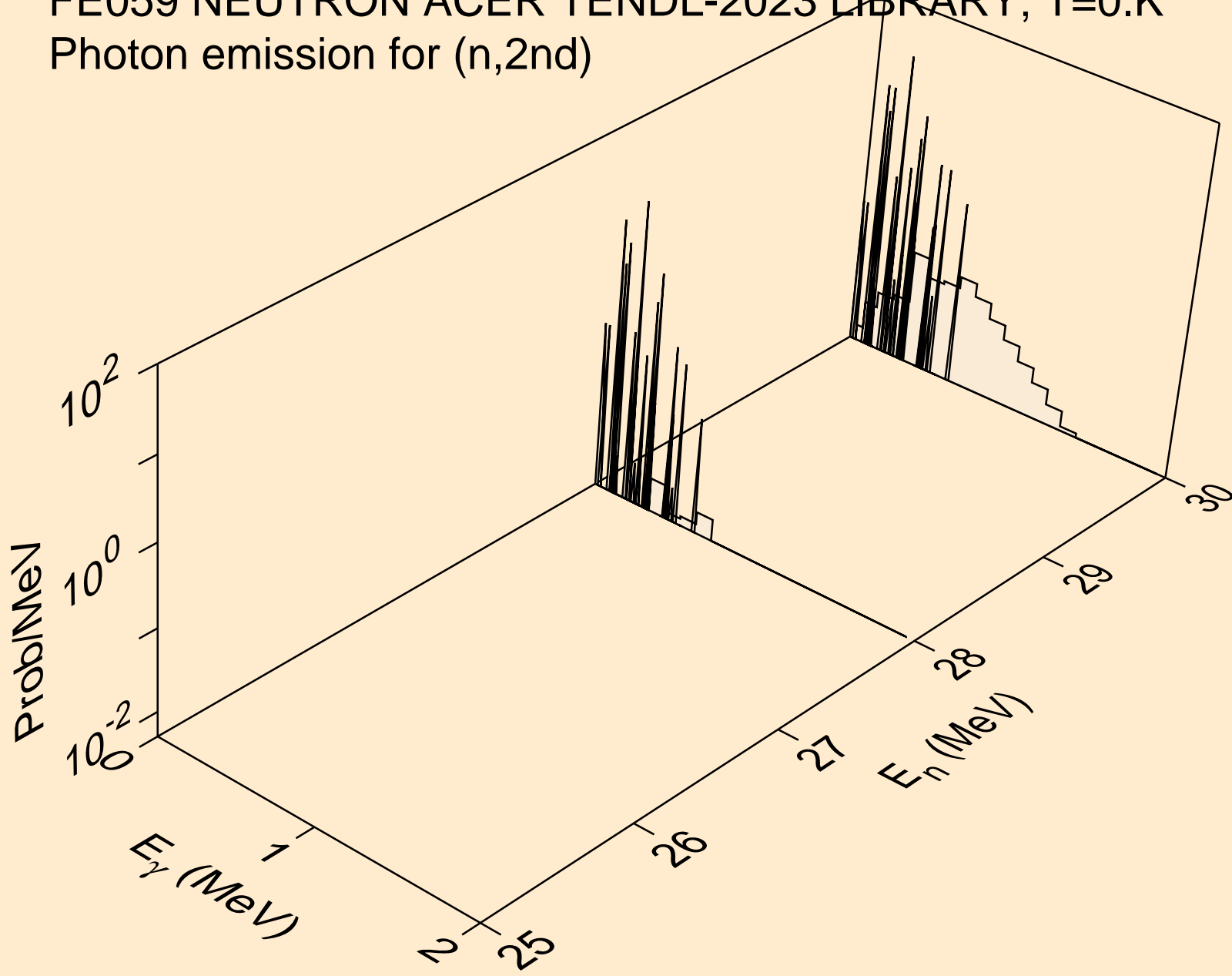


FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,x)

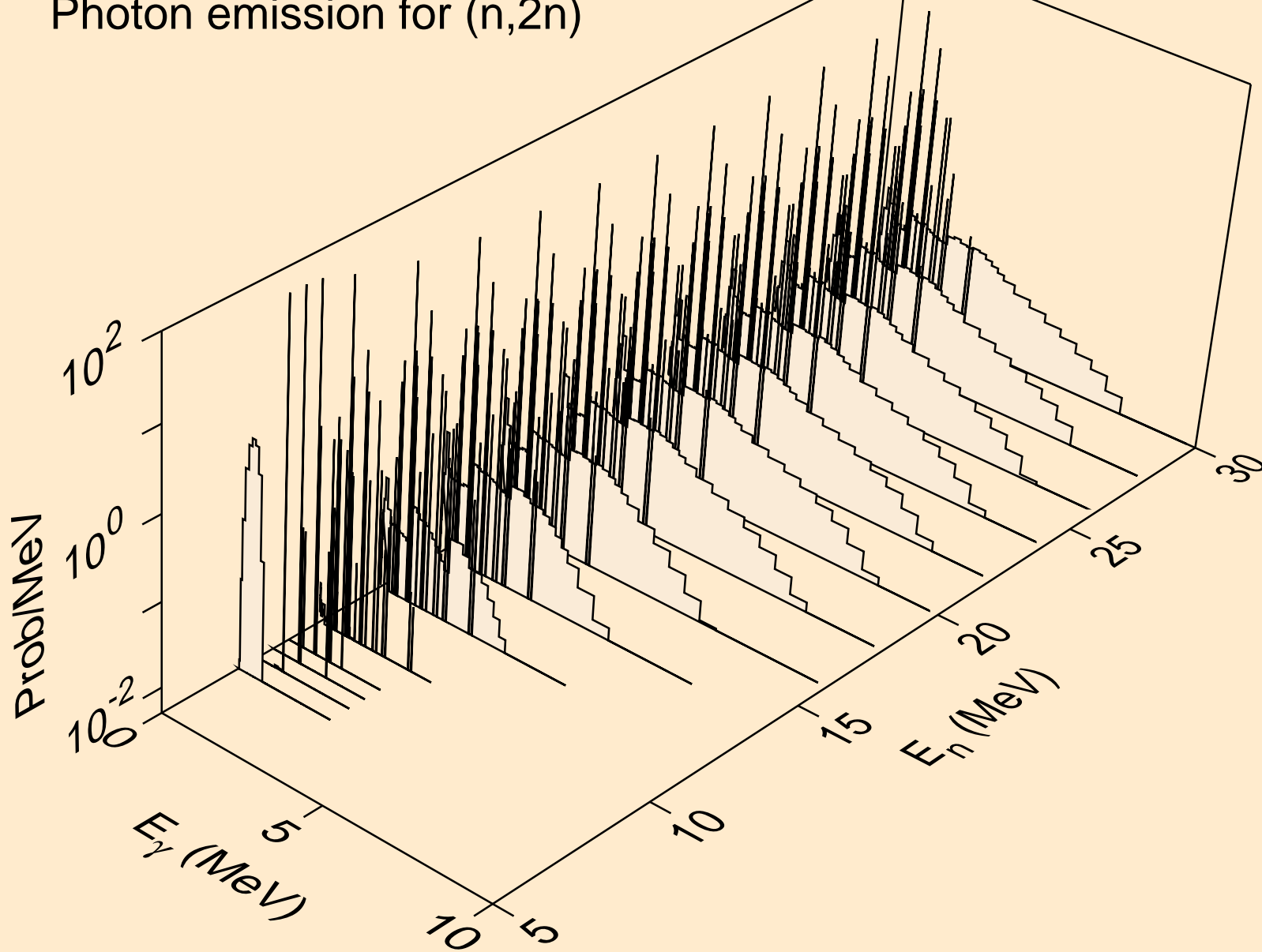




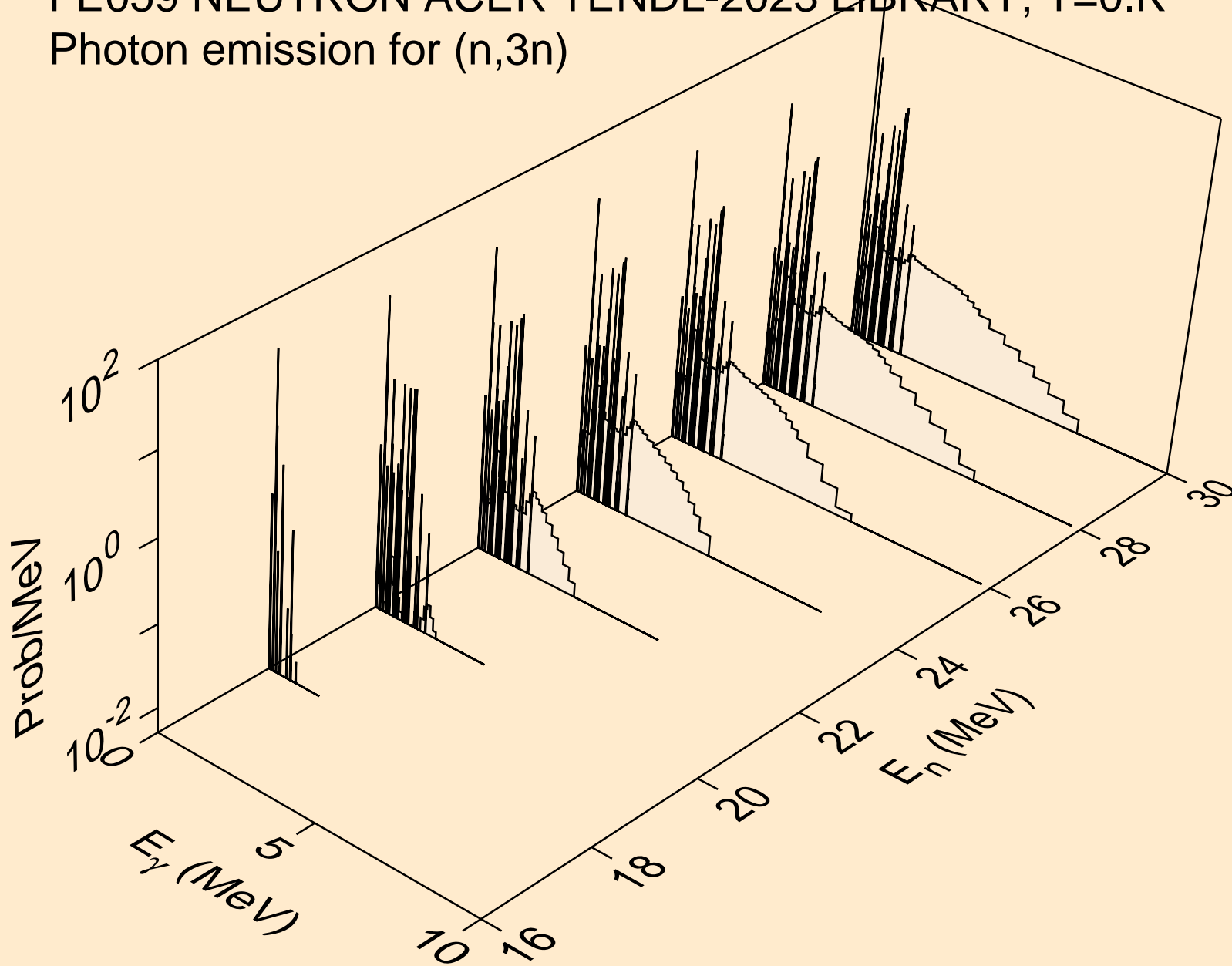
FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



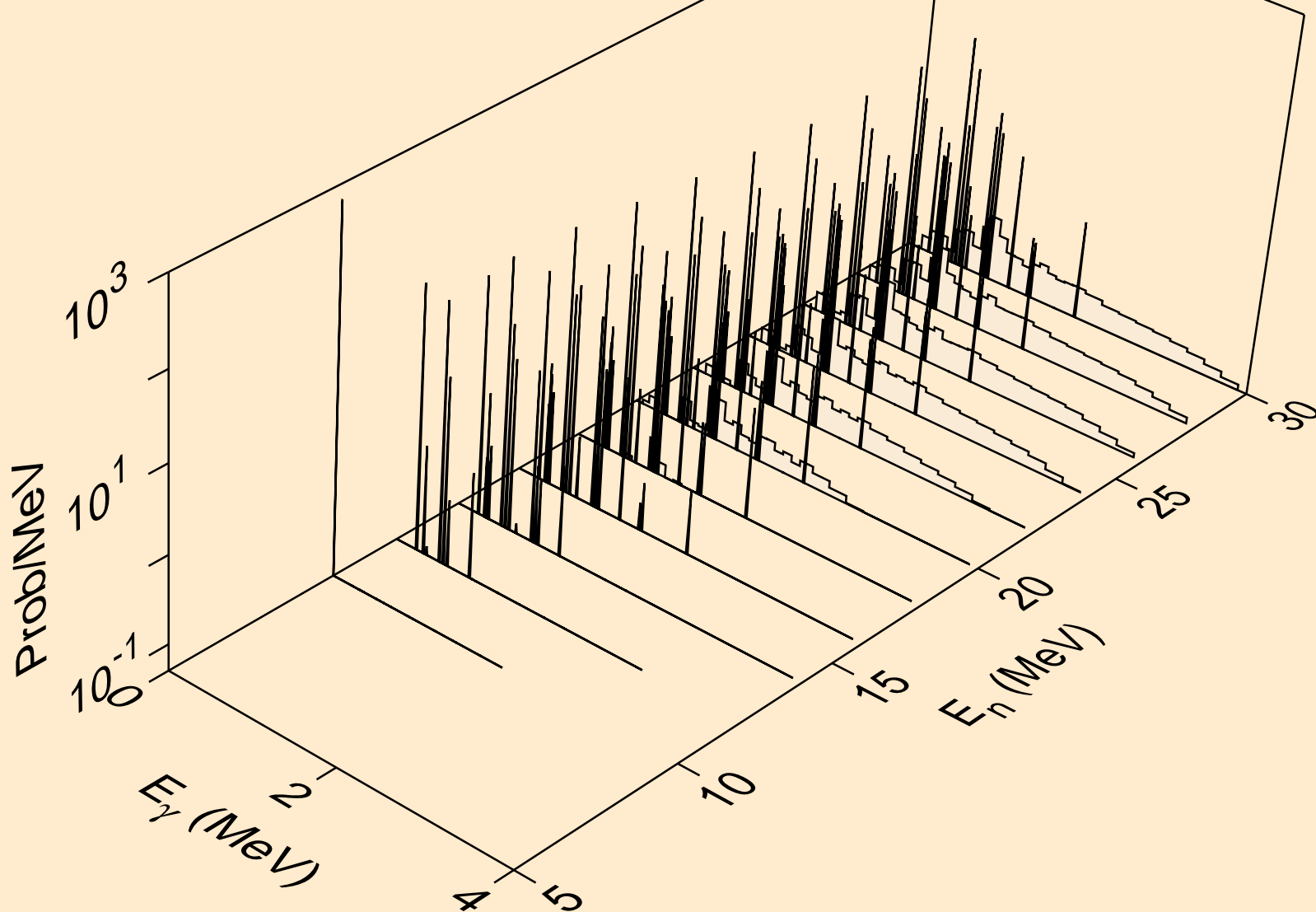
FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



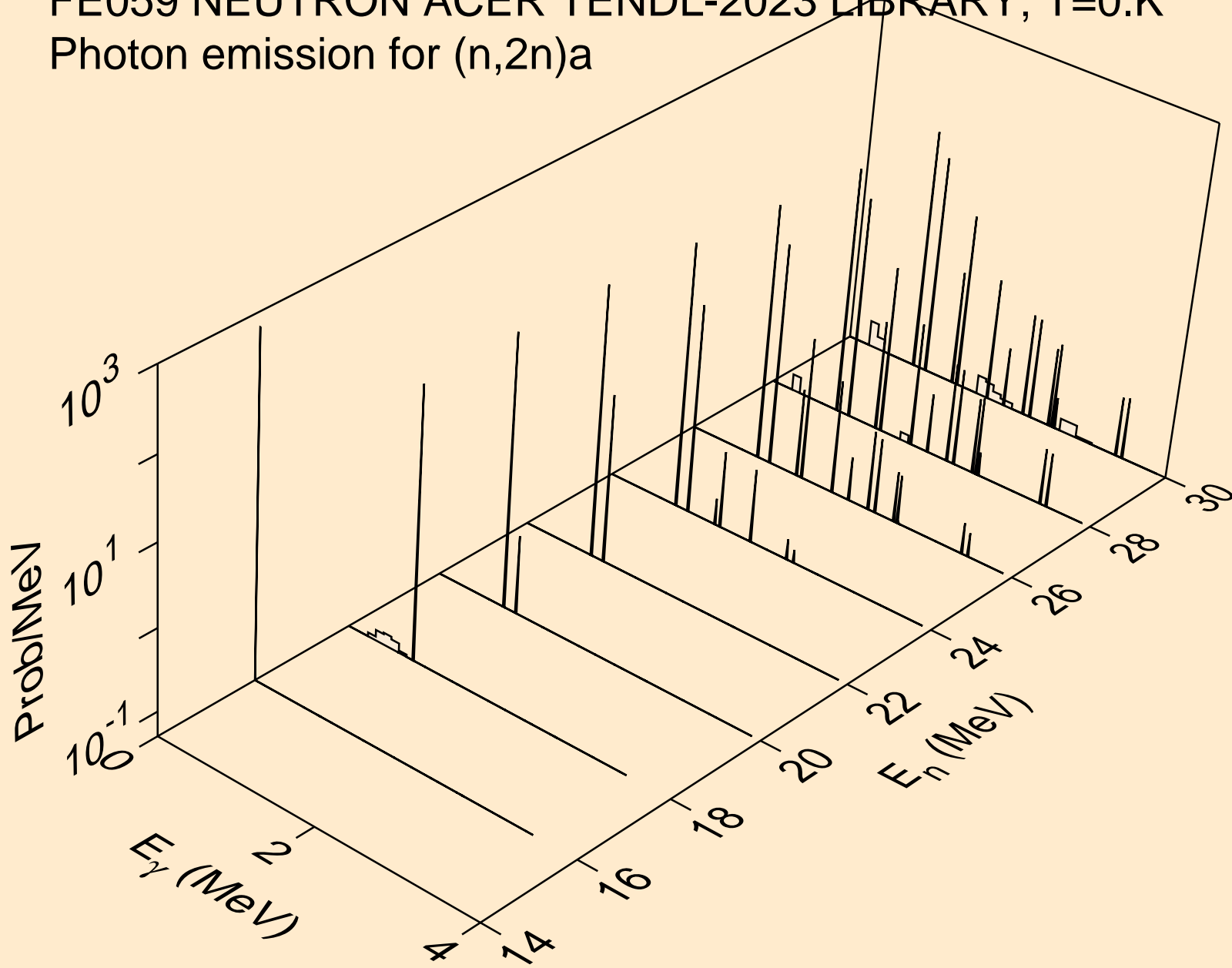
FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



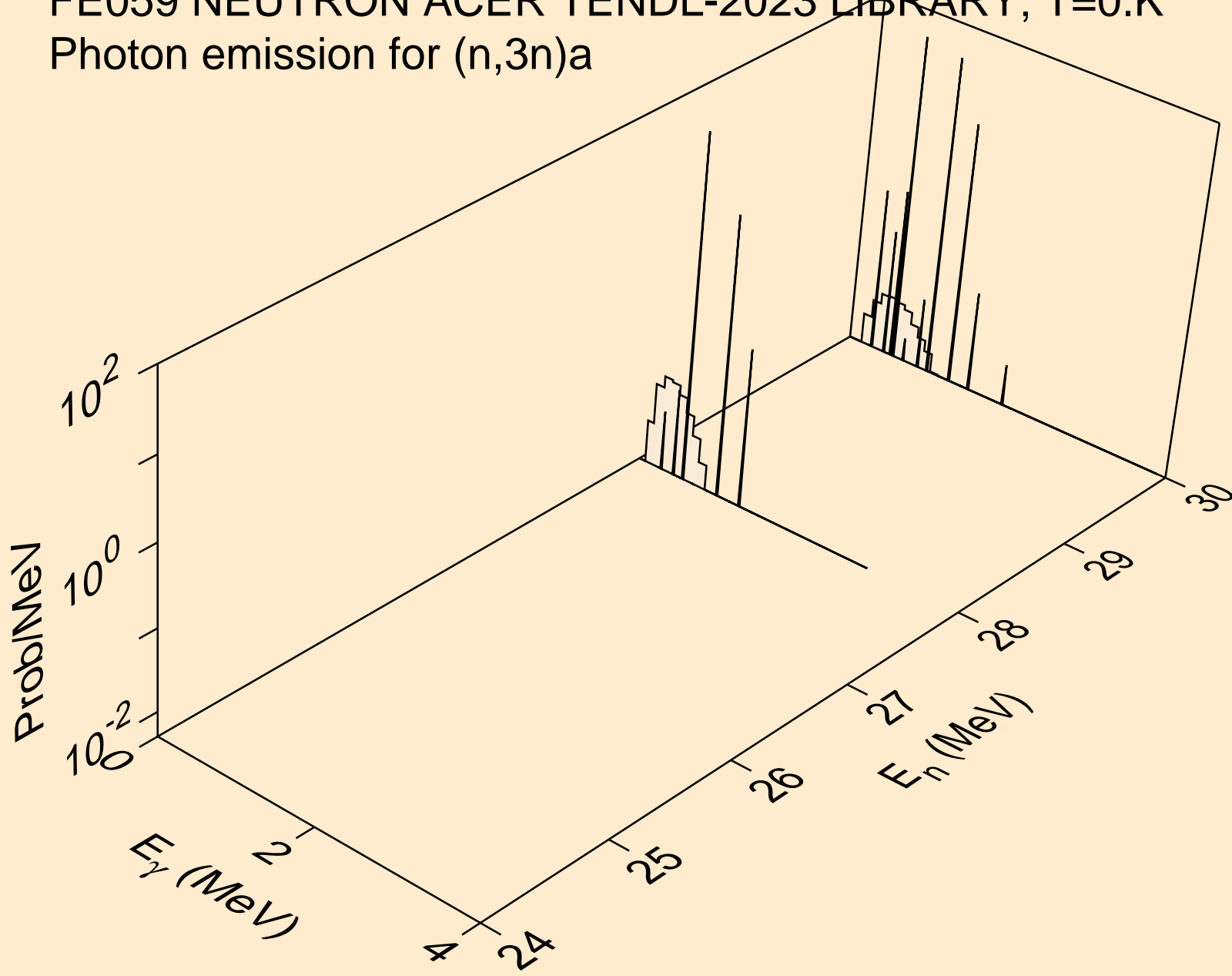
FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



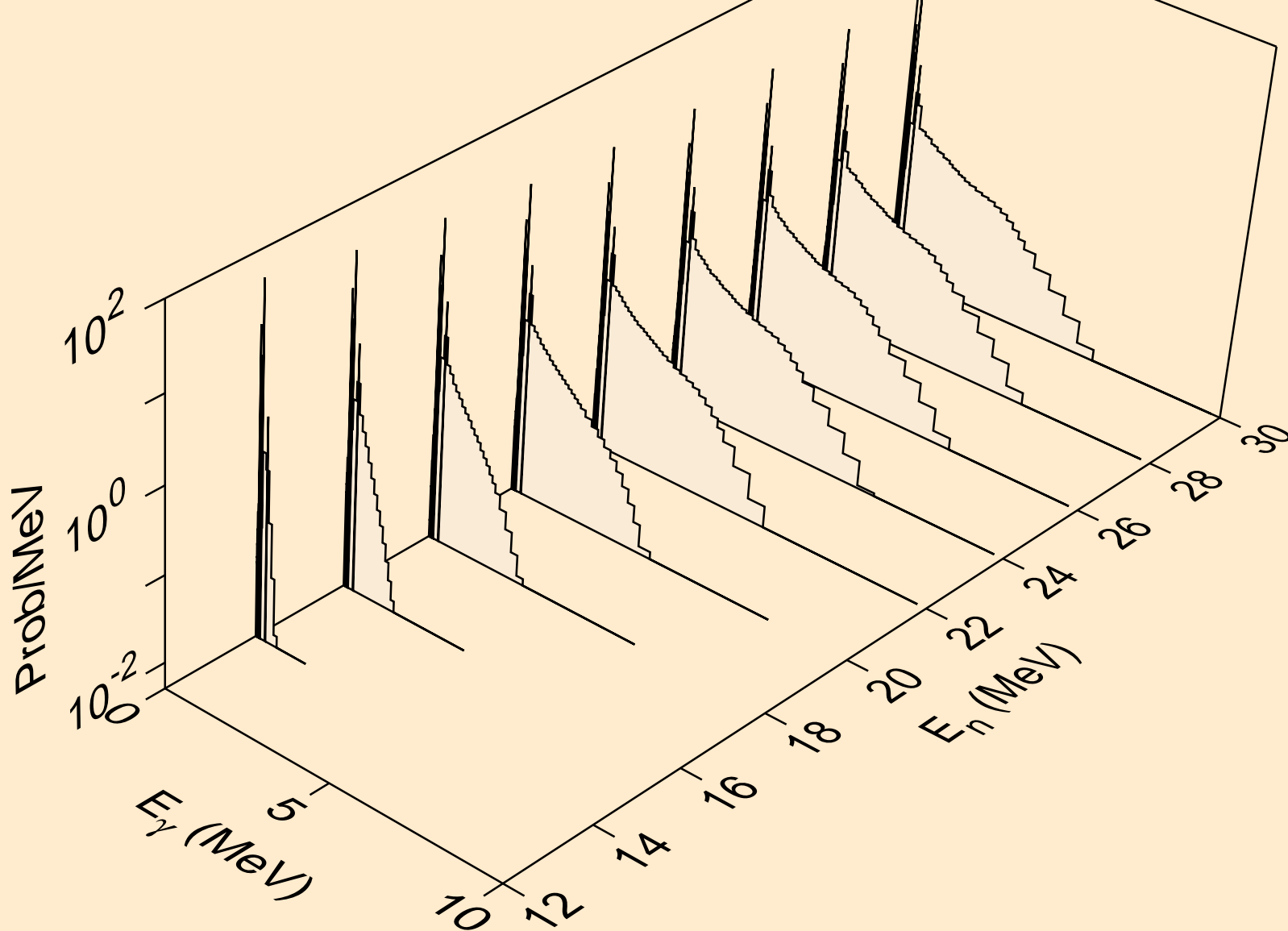
FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a



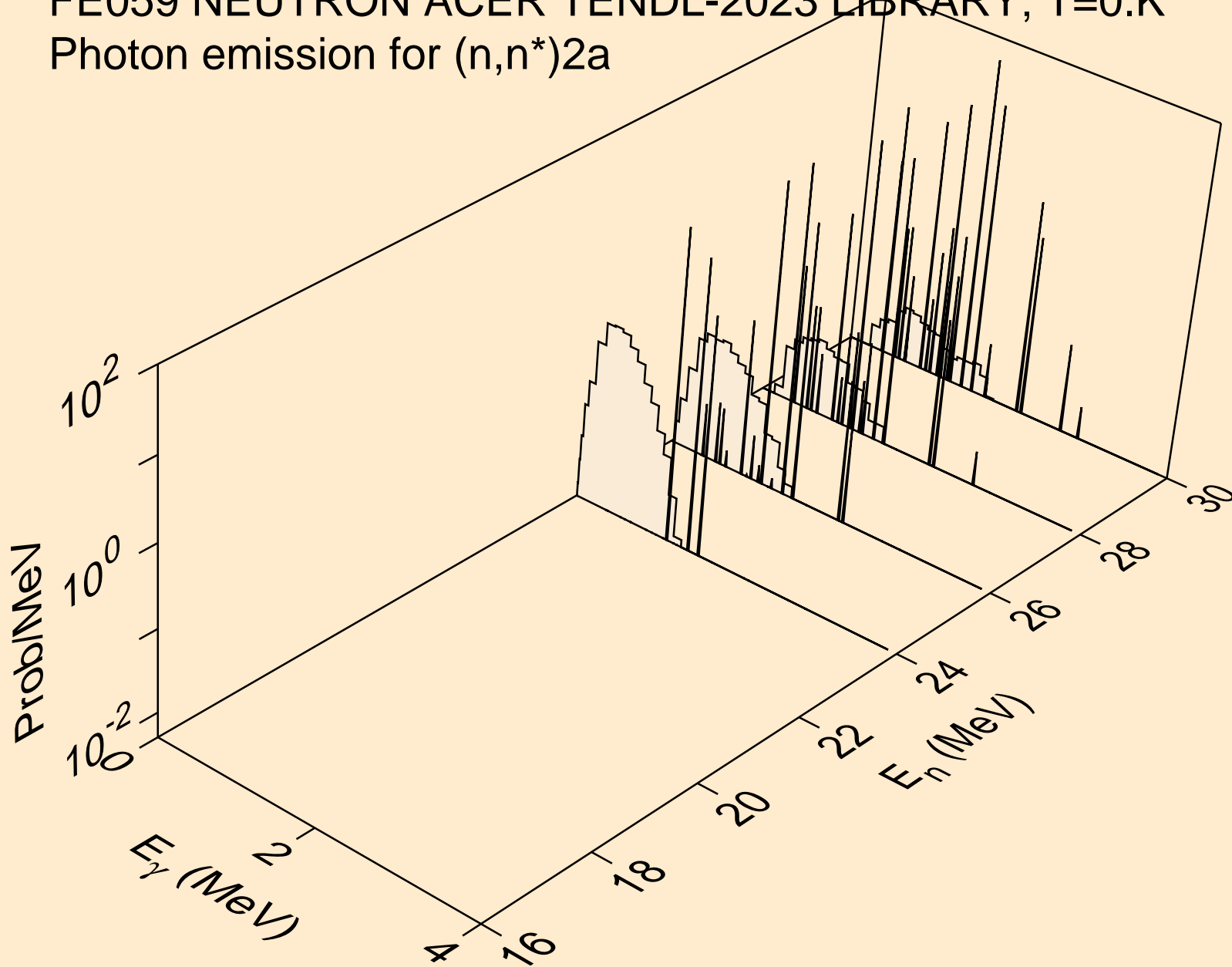
FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)a



FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p

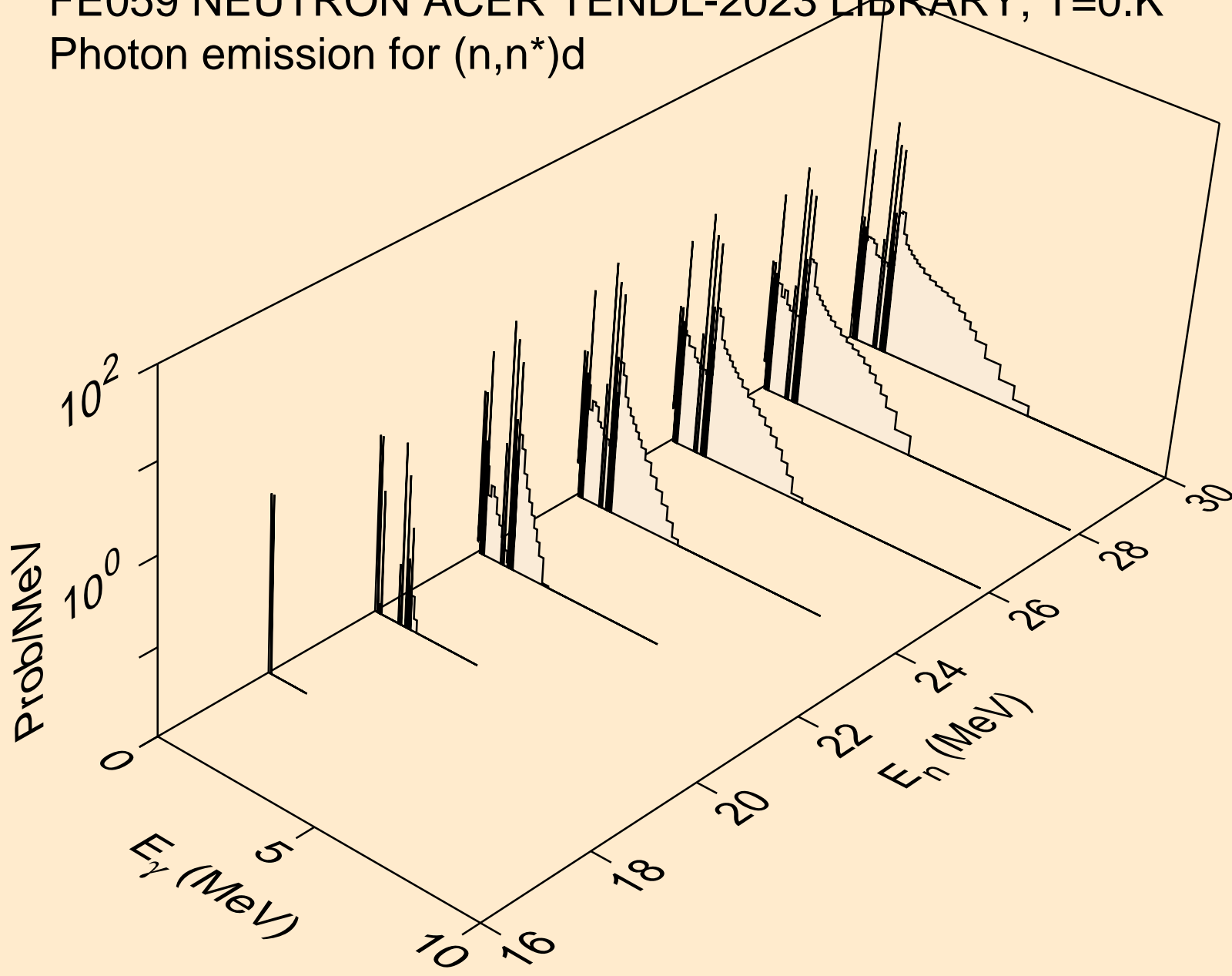


FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a

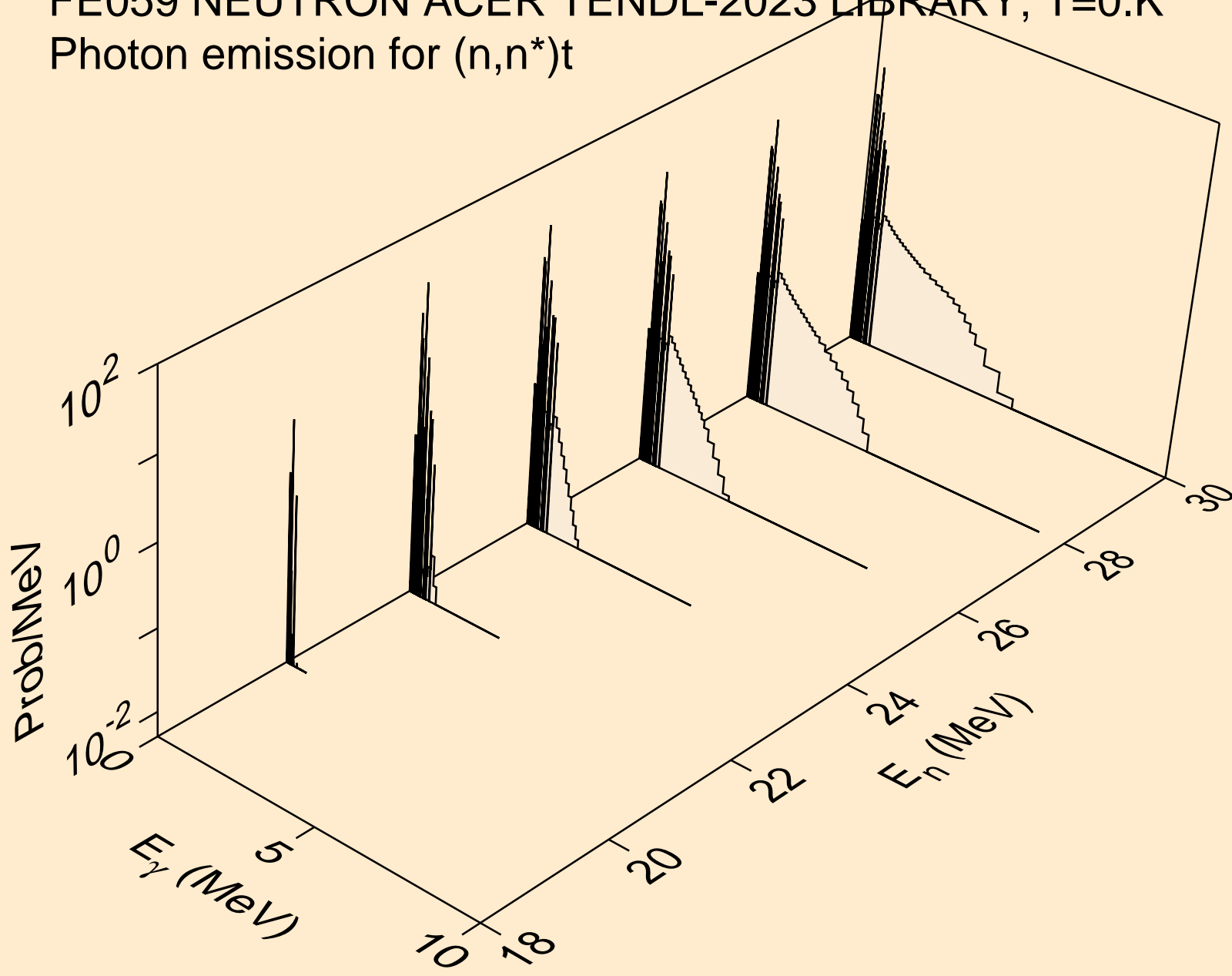




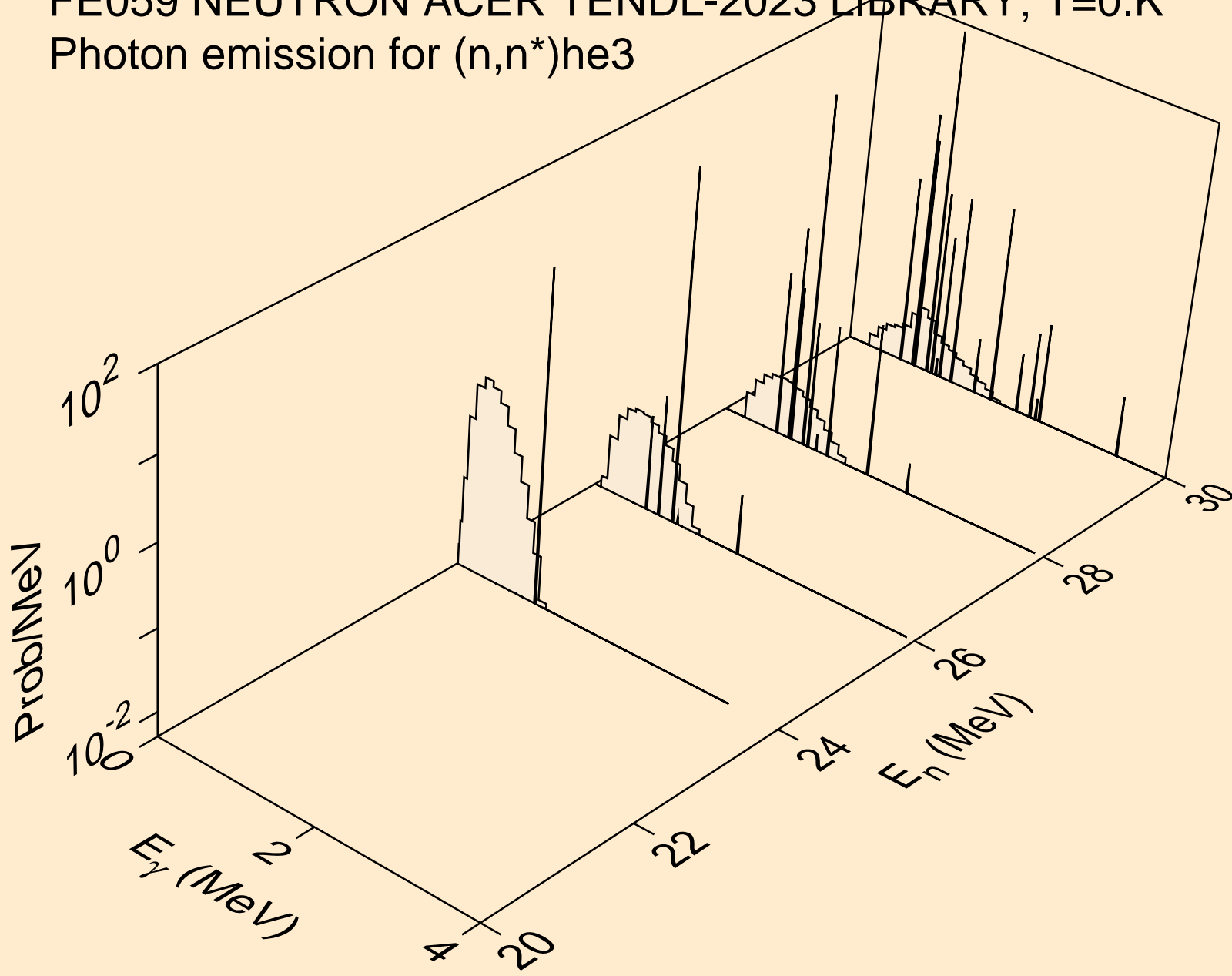
FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



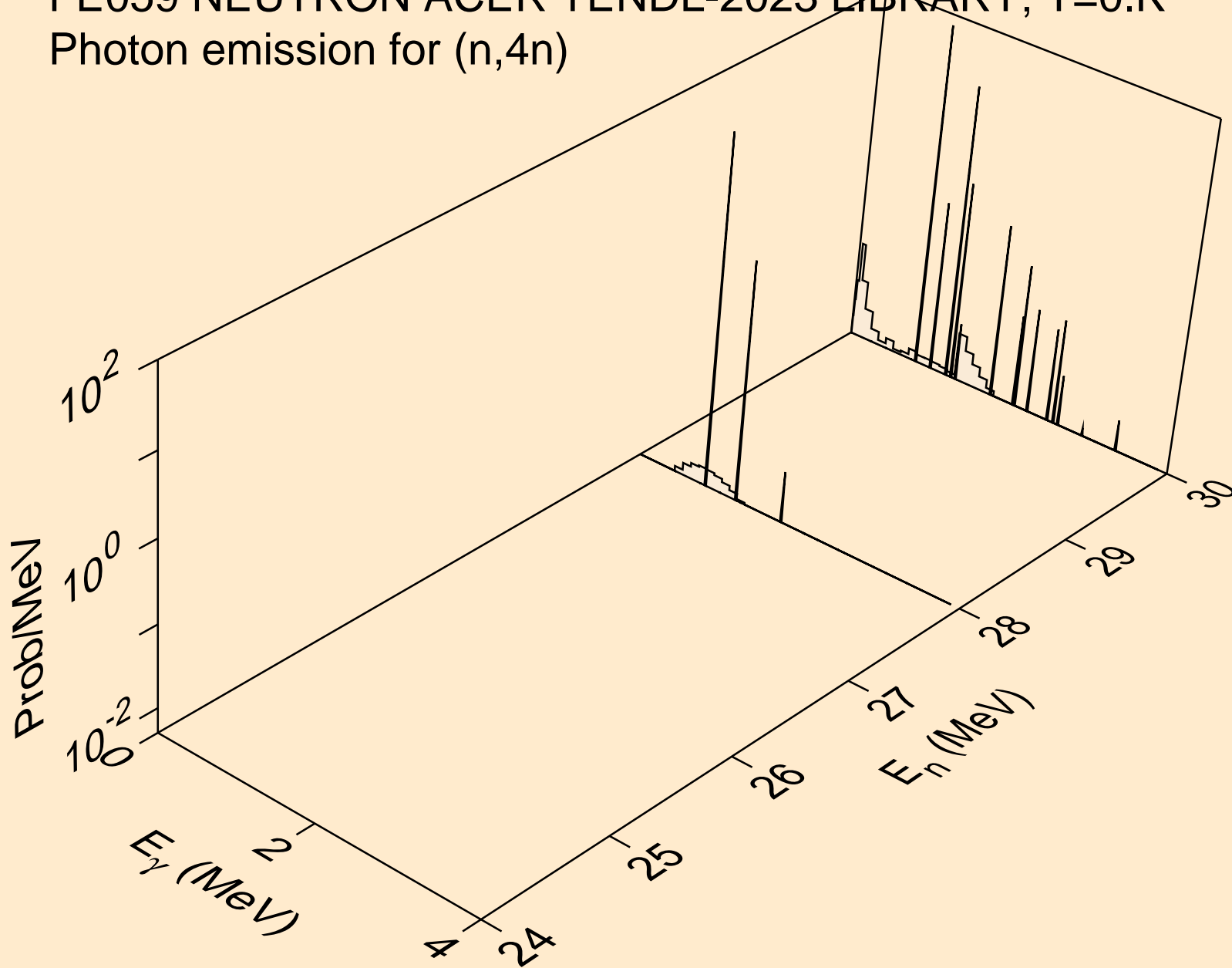
FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



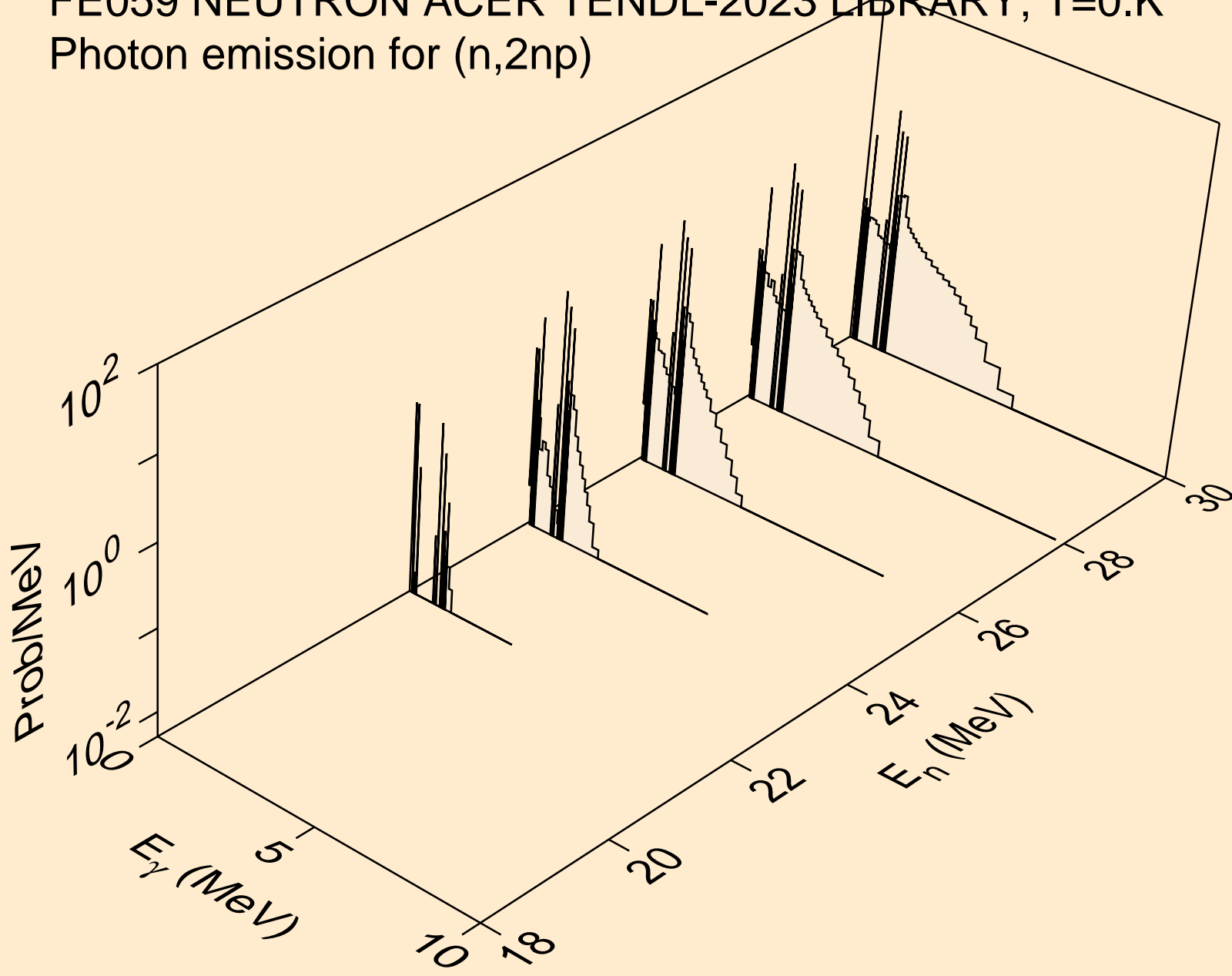
FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



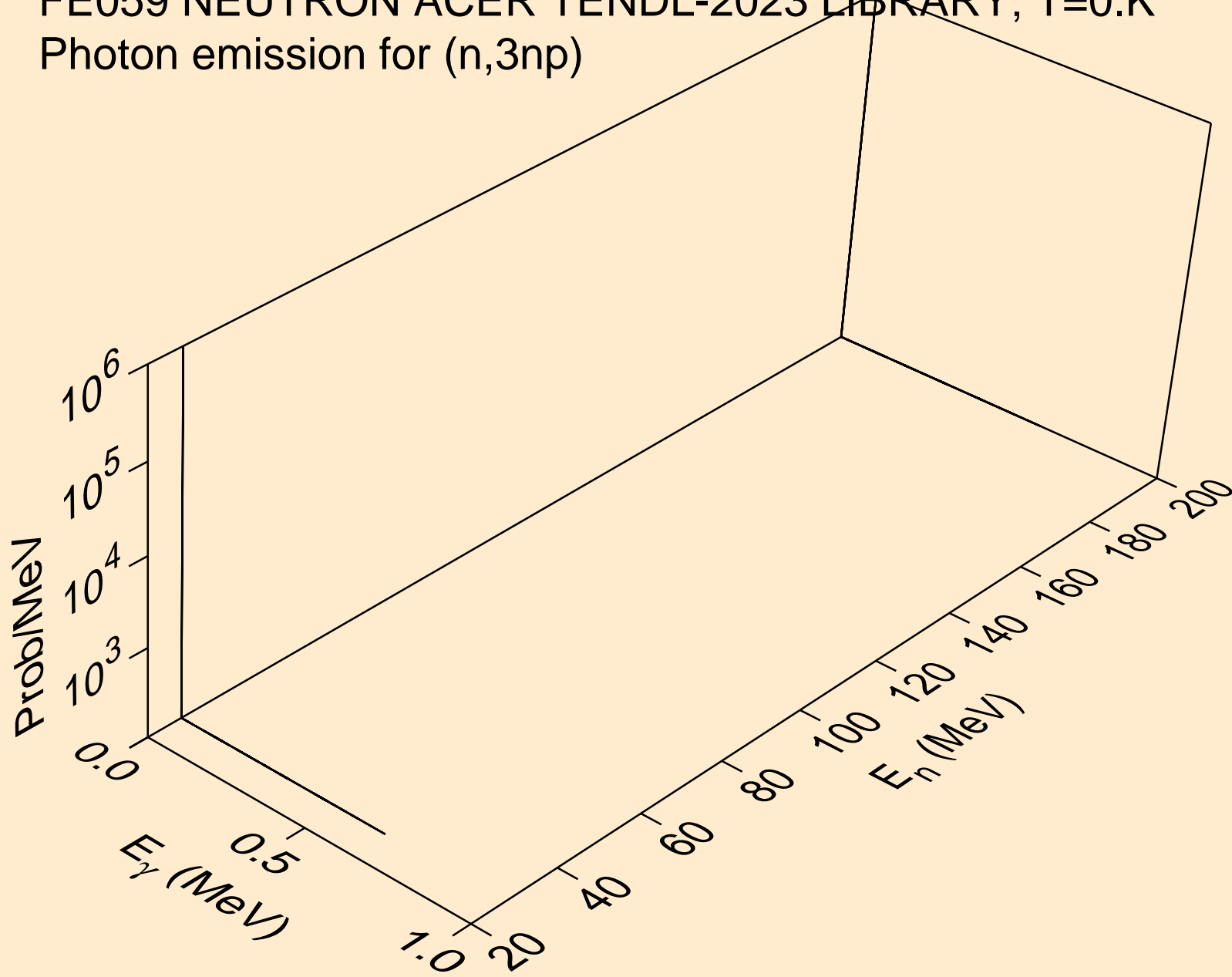
FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,4n)



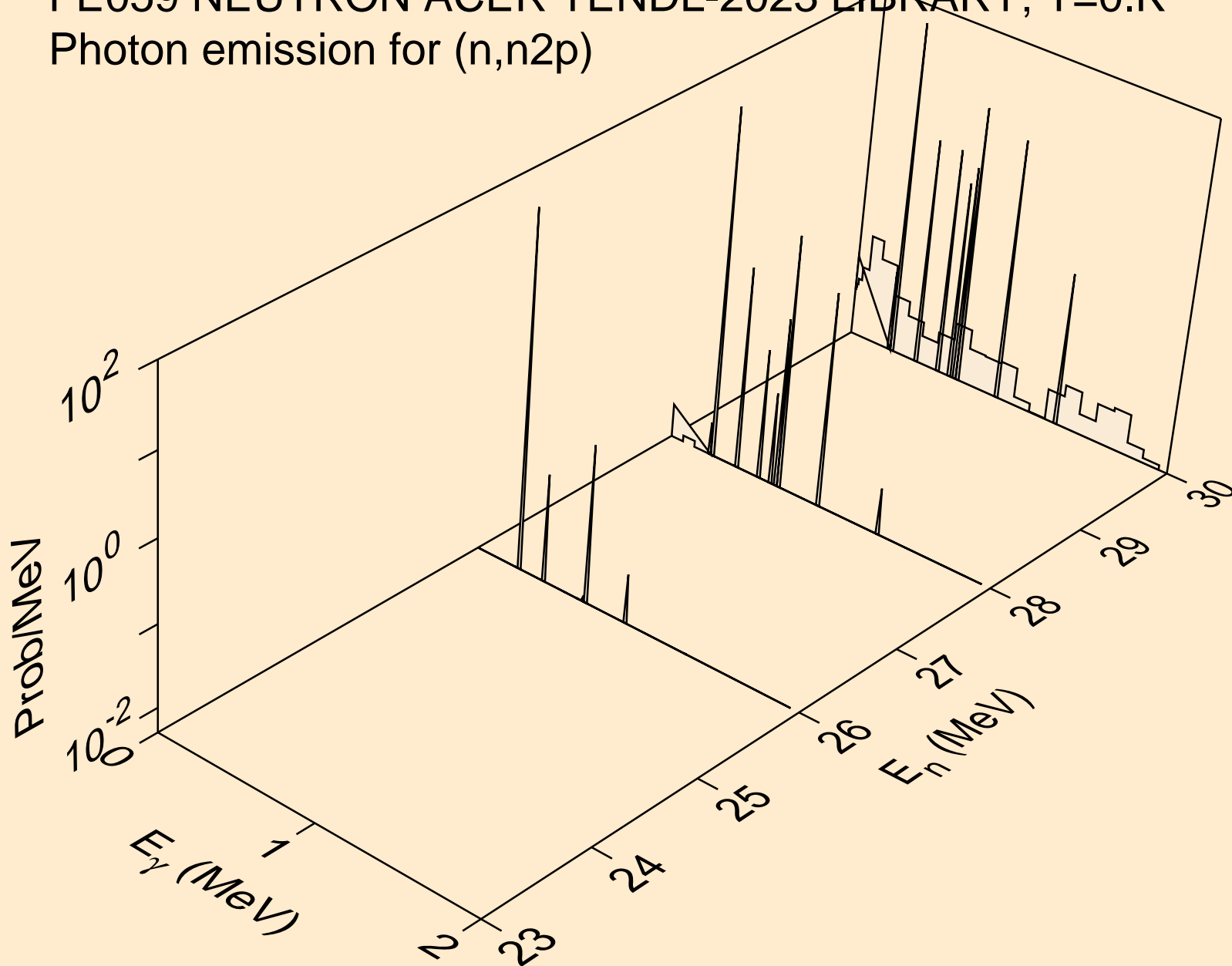
FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)



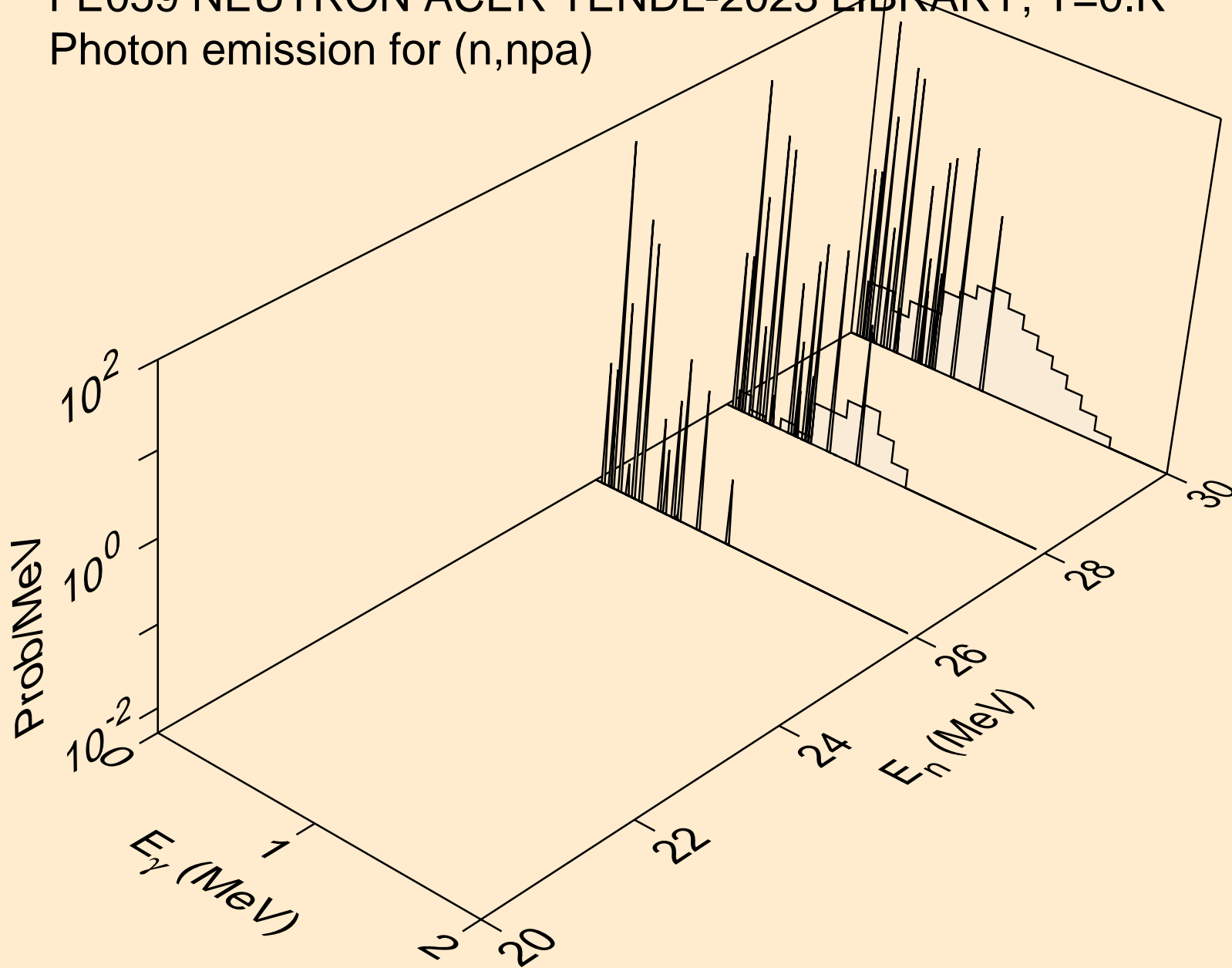
FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3np)



FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)

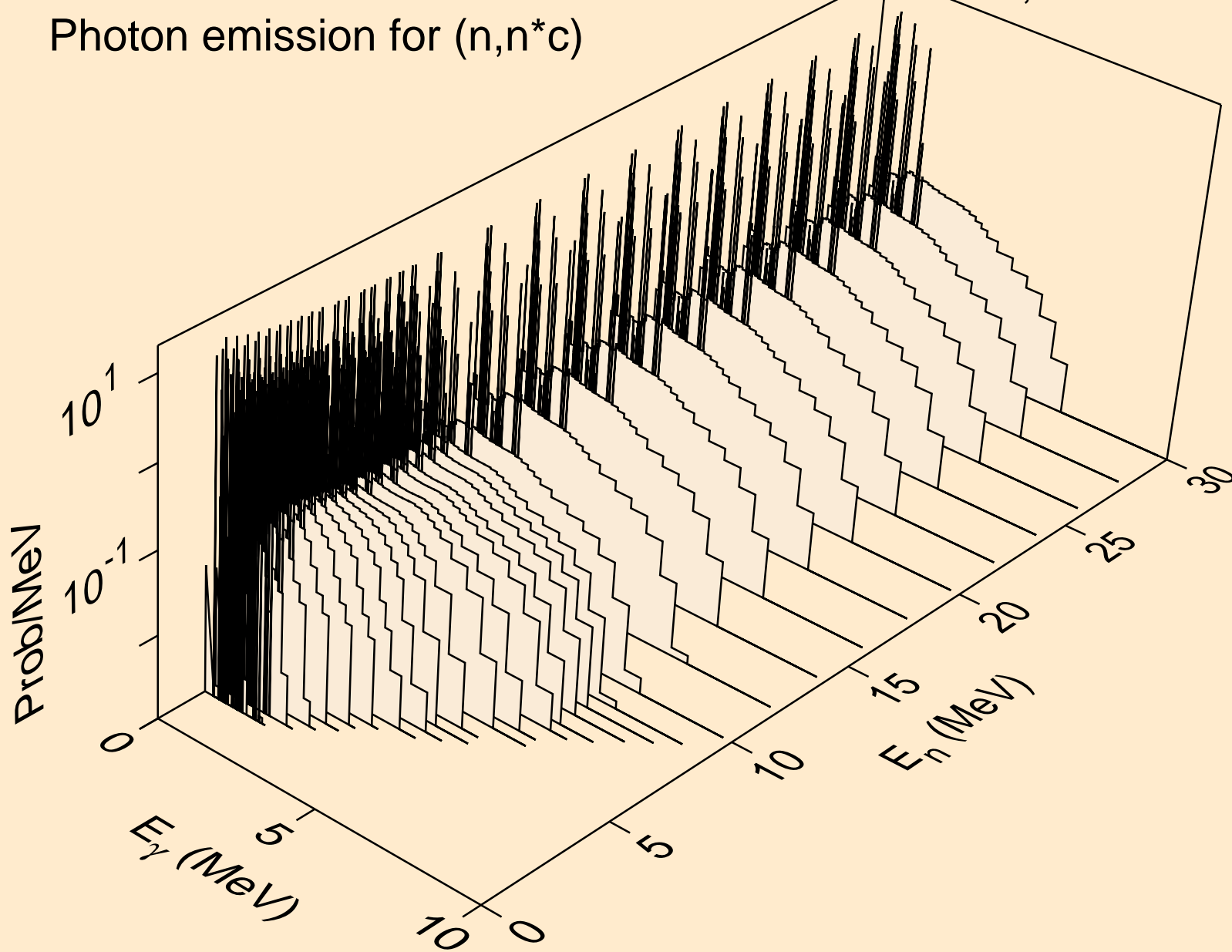


FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,npa)

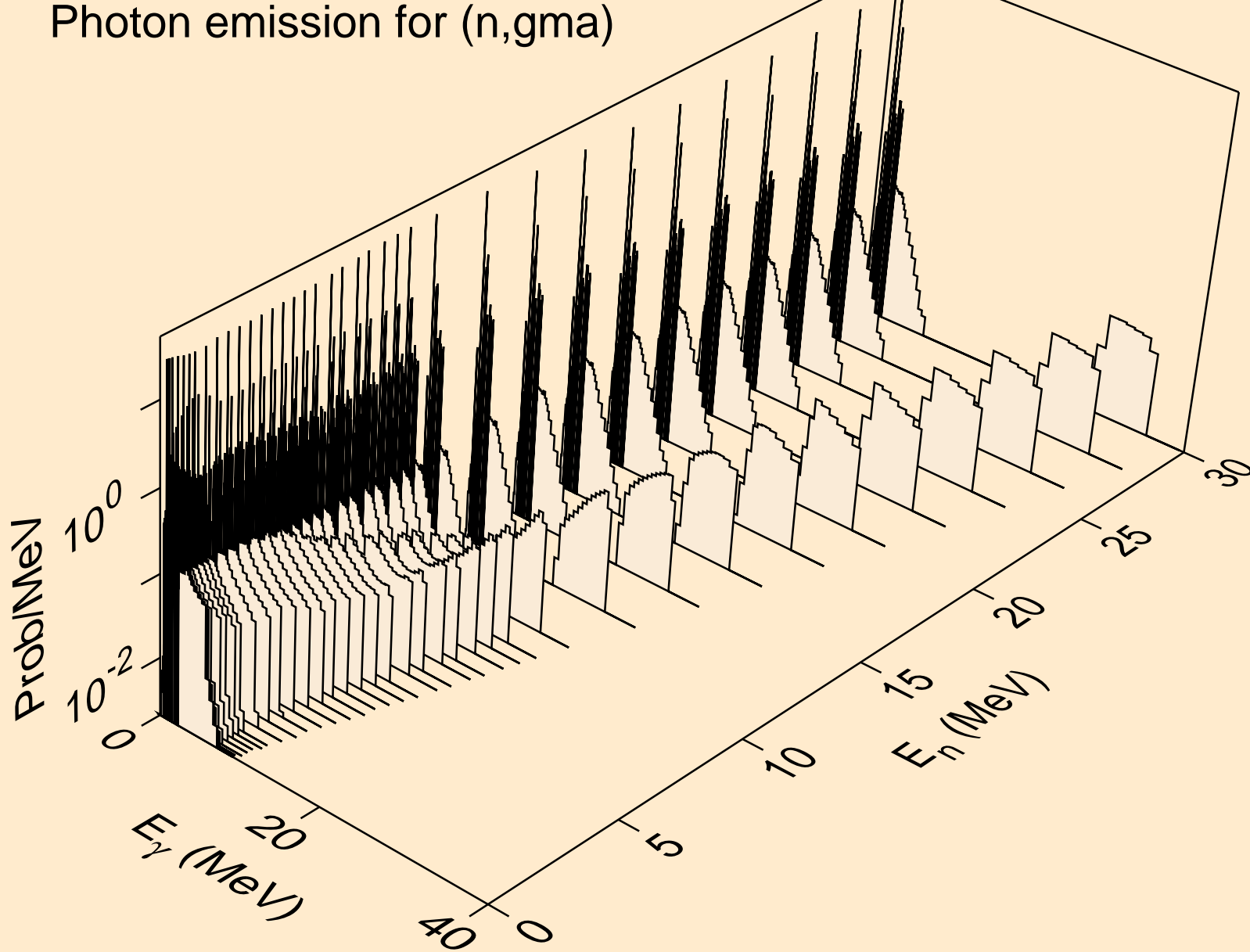




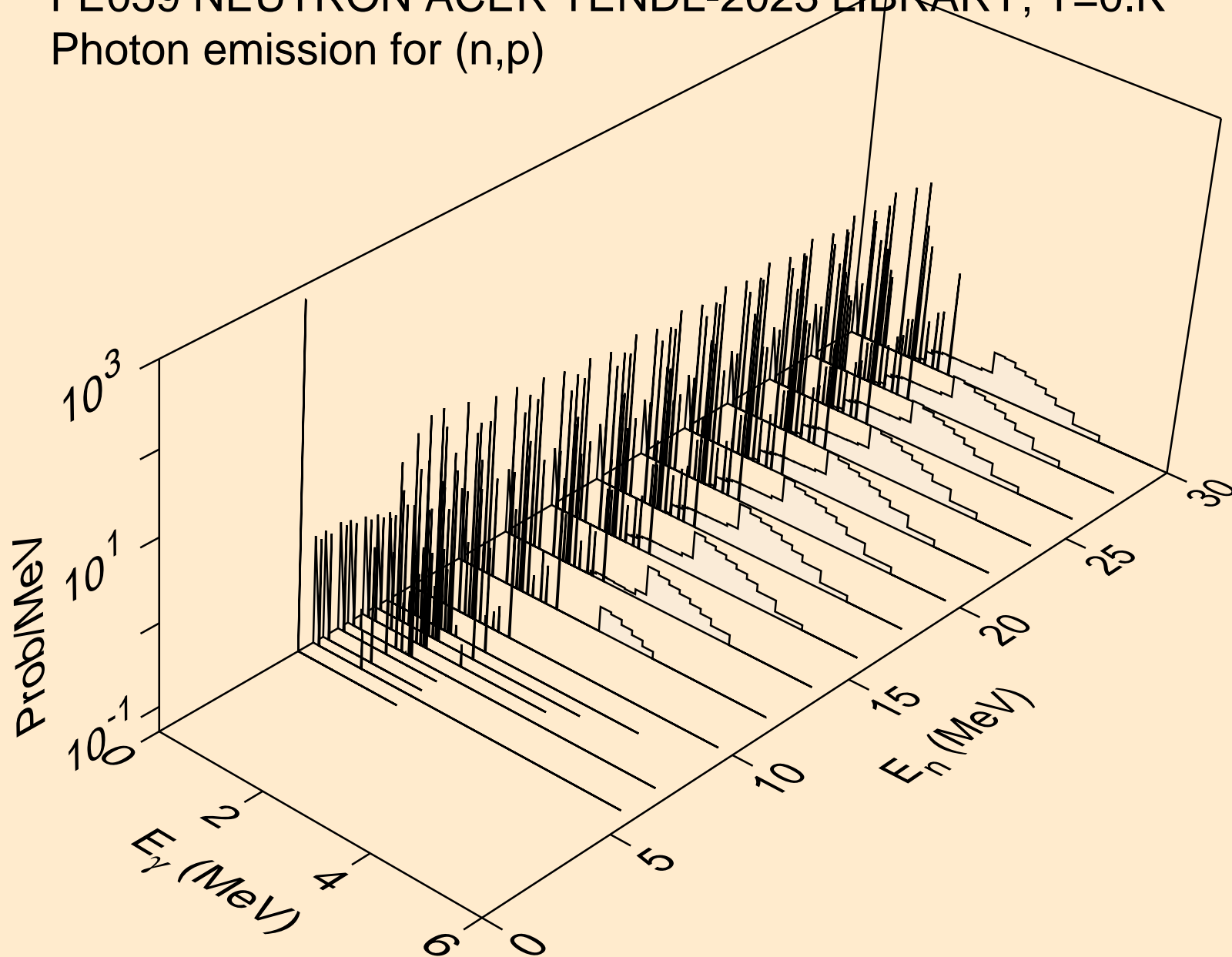
FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*c)



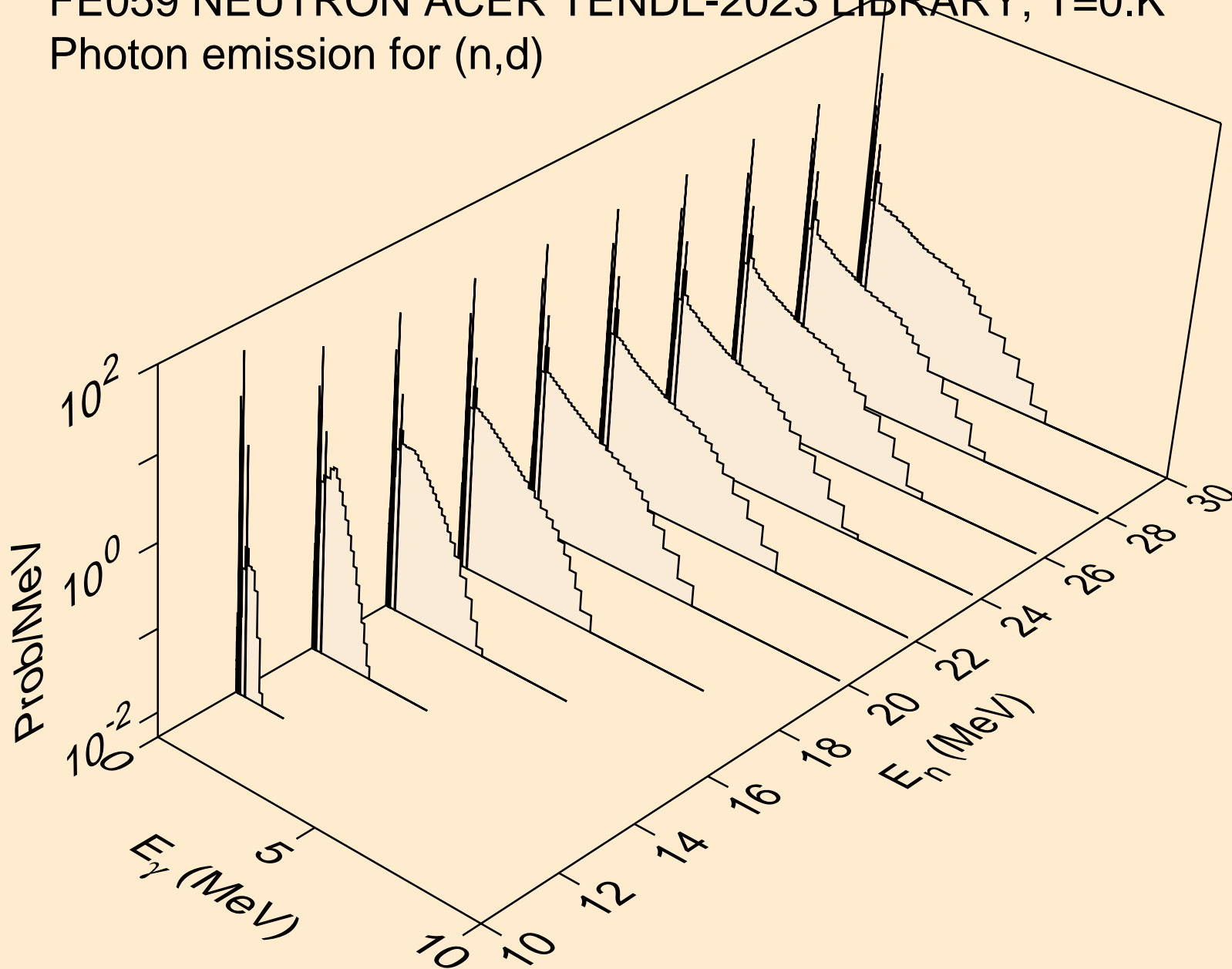
FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)



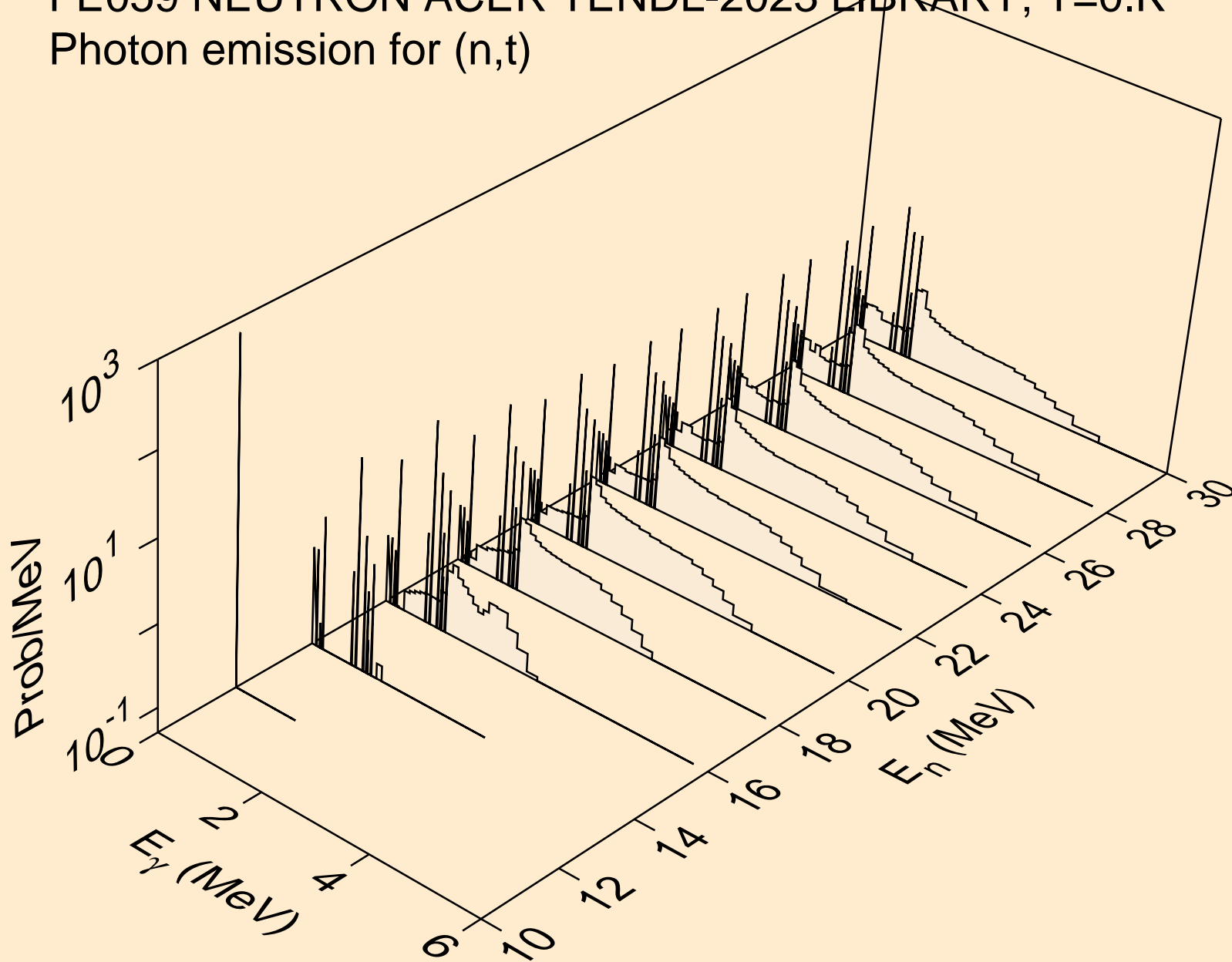
FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)



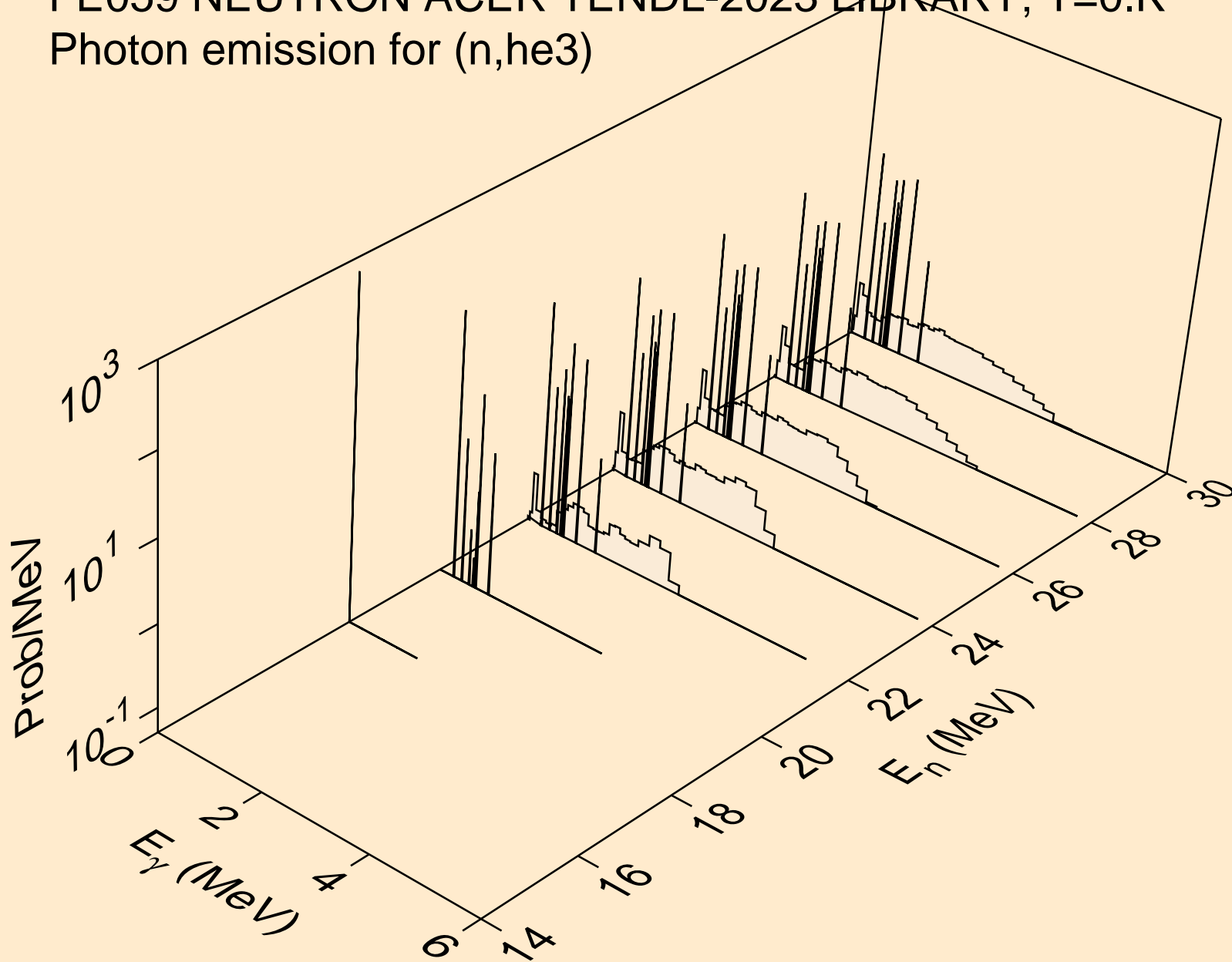
FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)



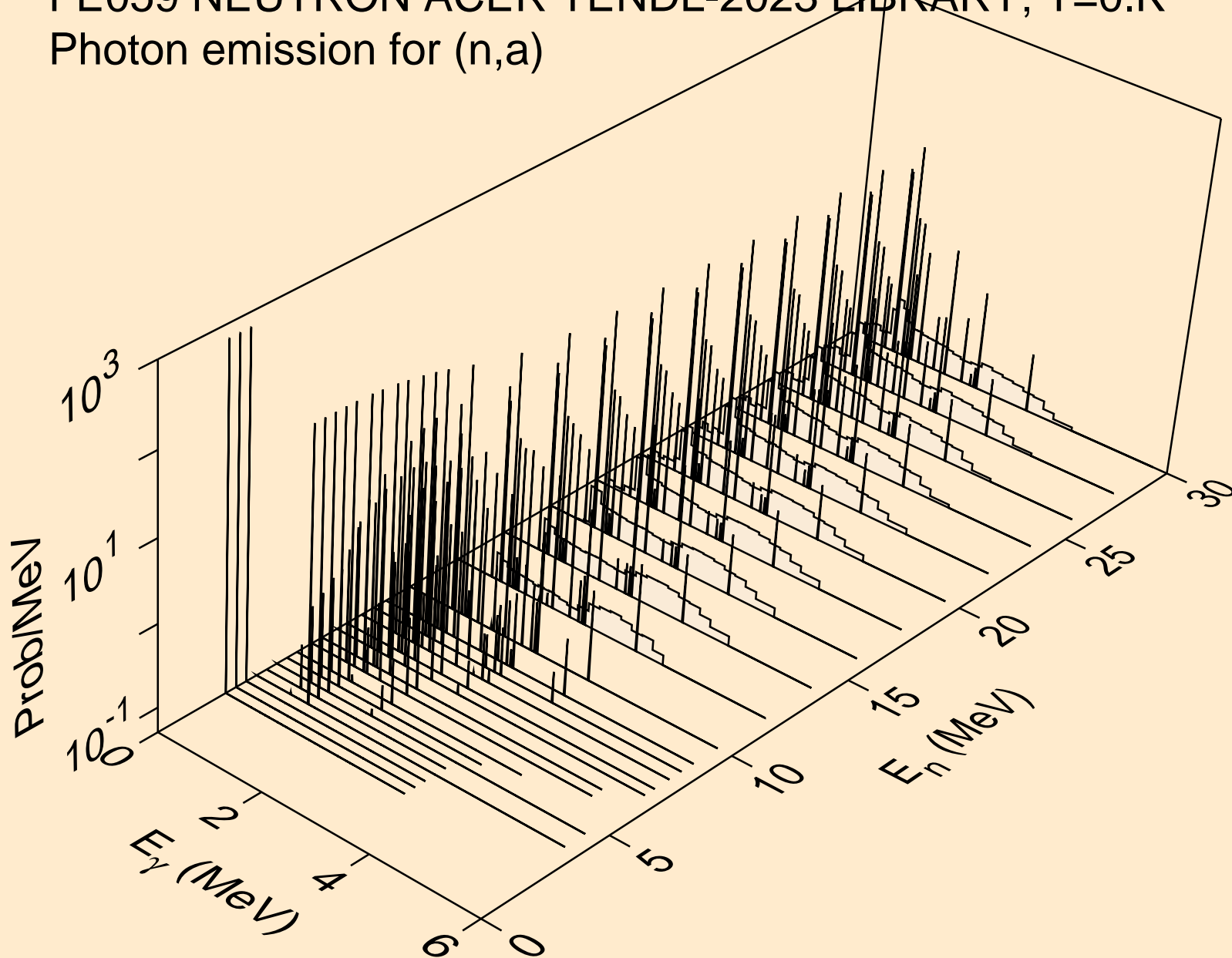
FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)



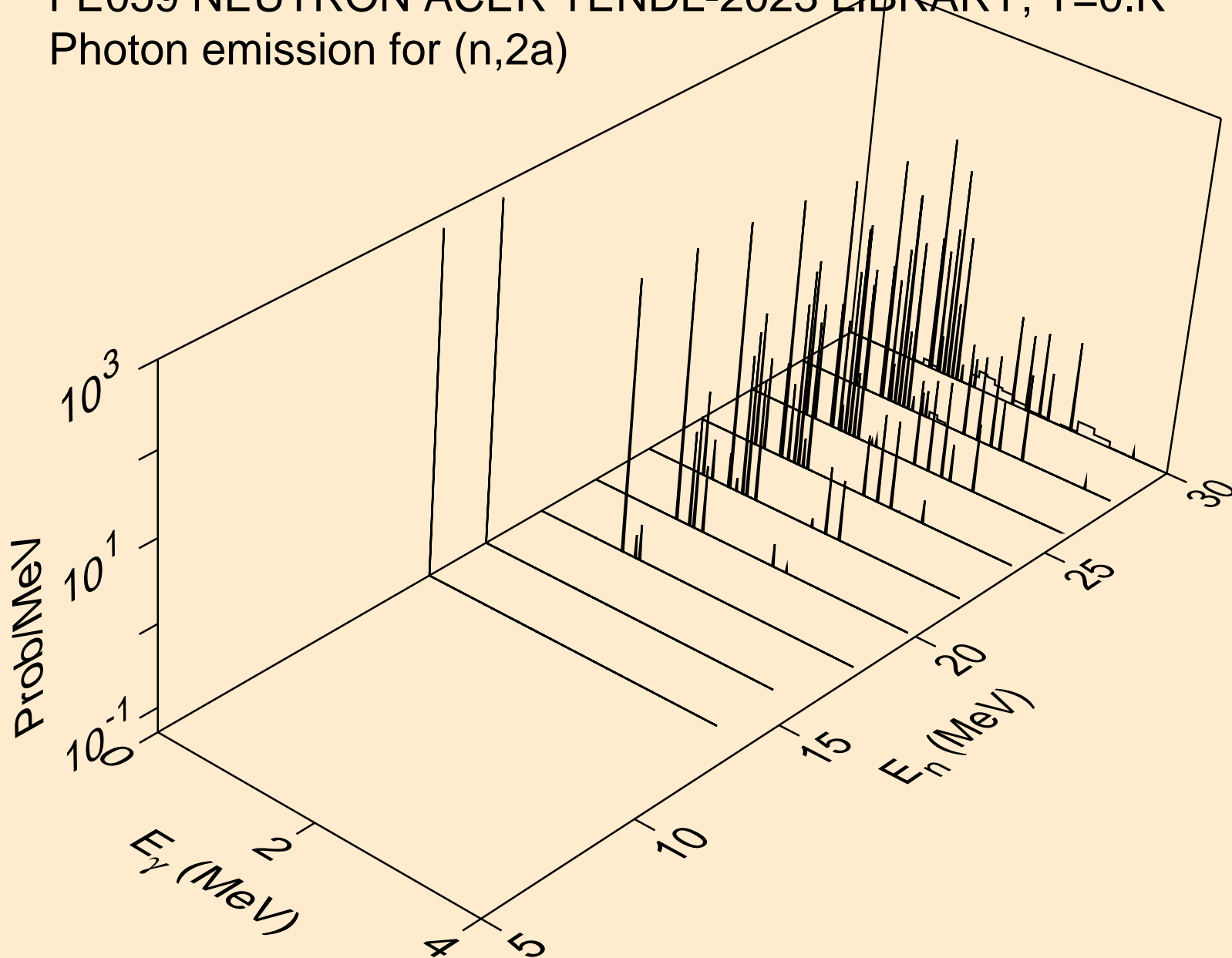
FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)



FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)

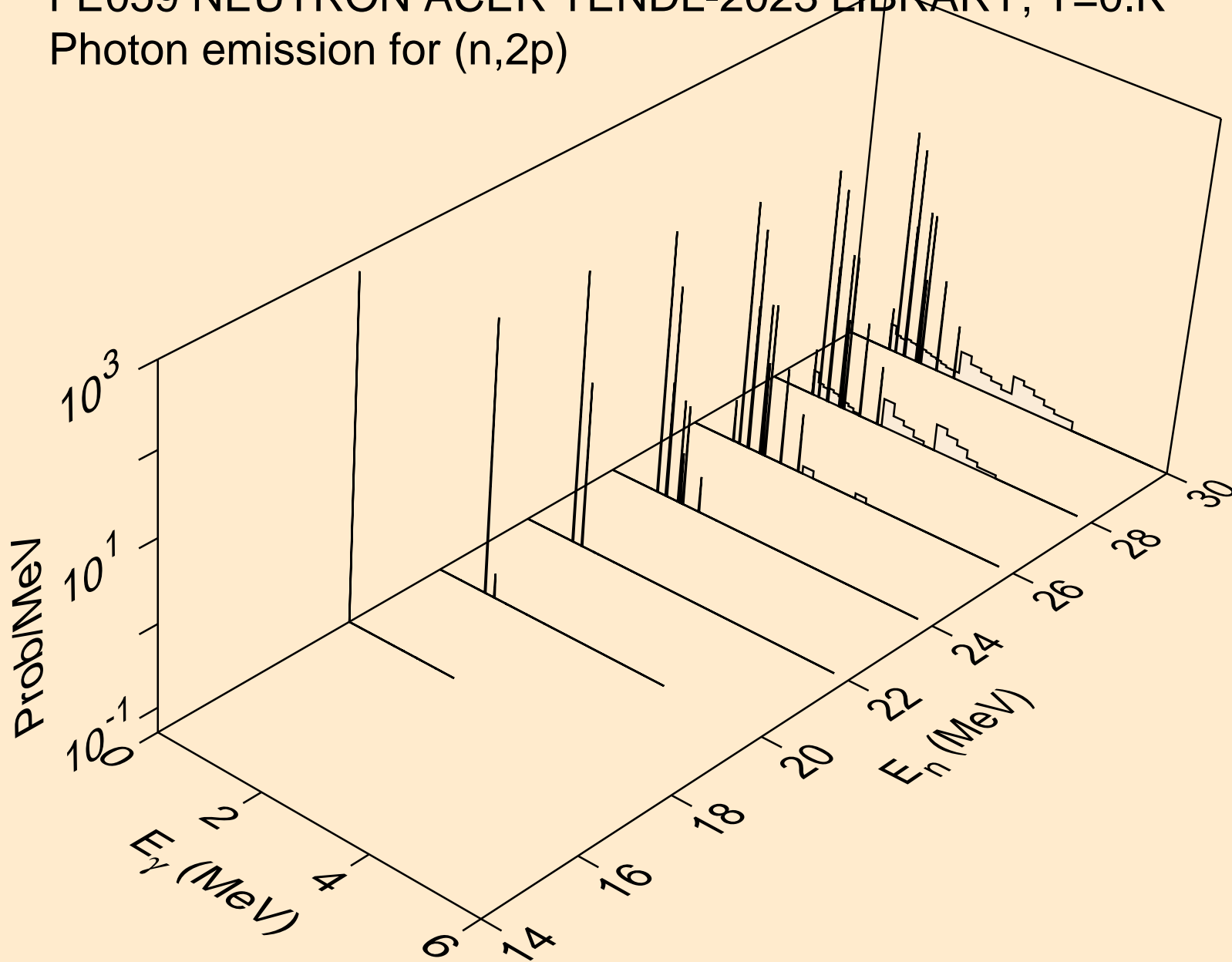


FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2a)

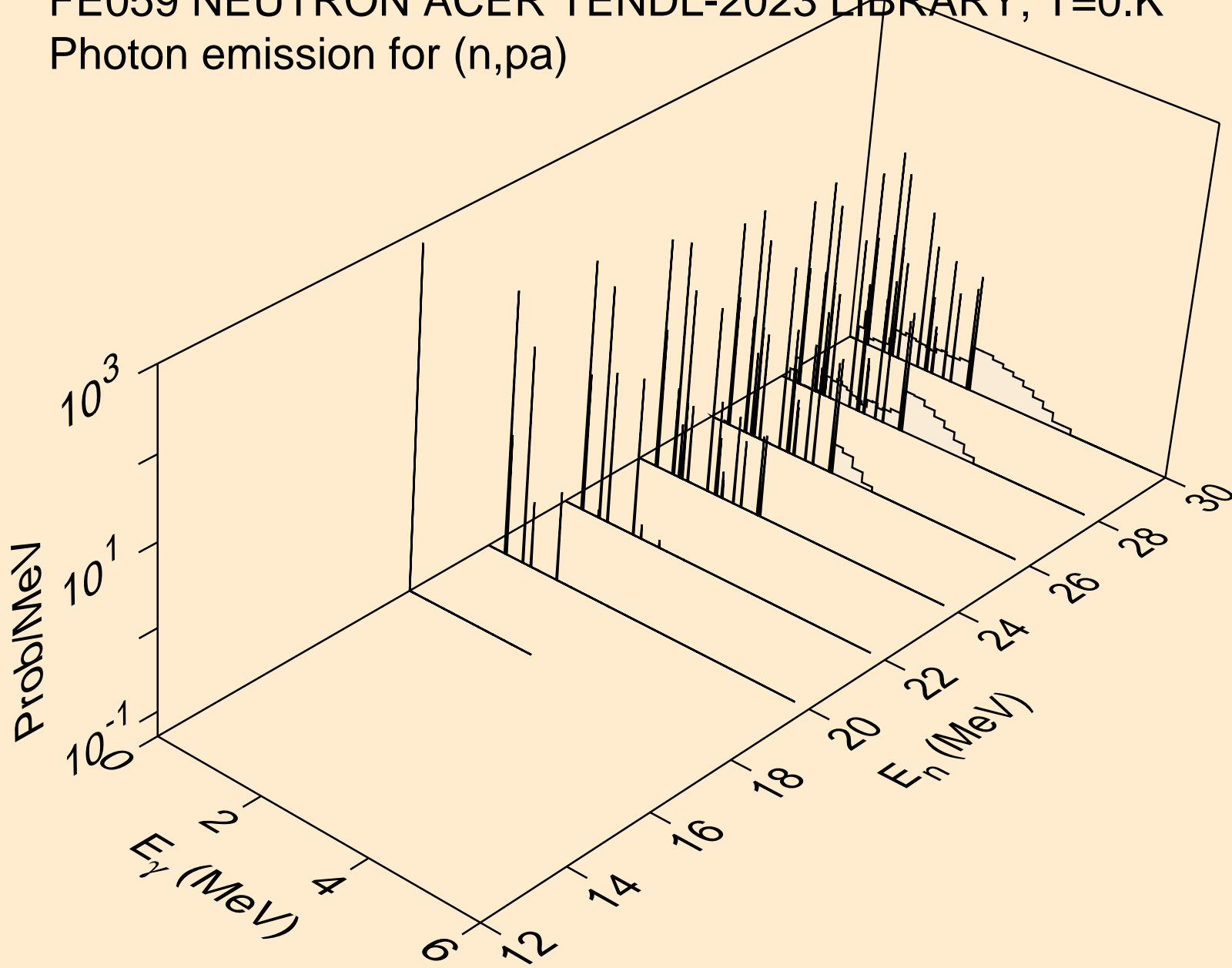




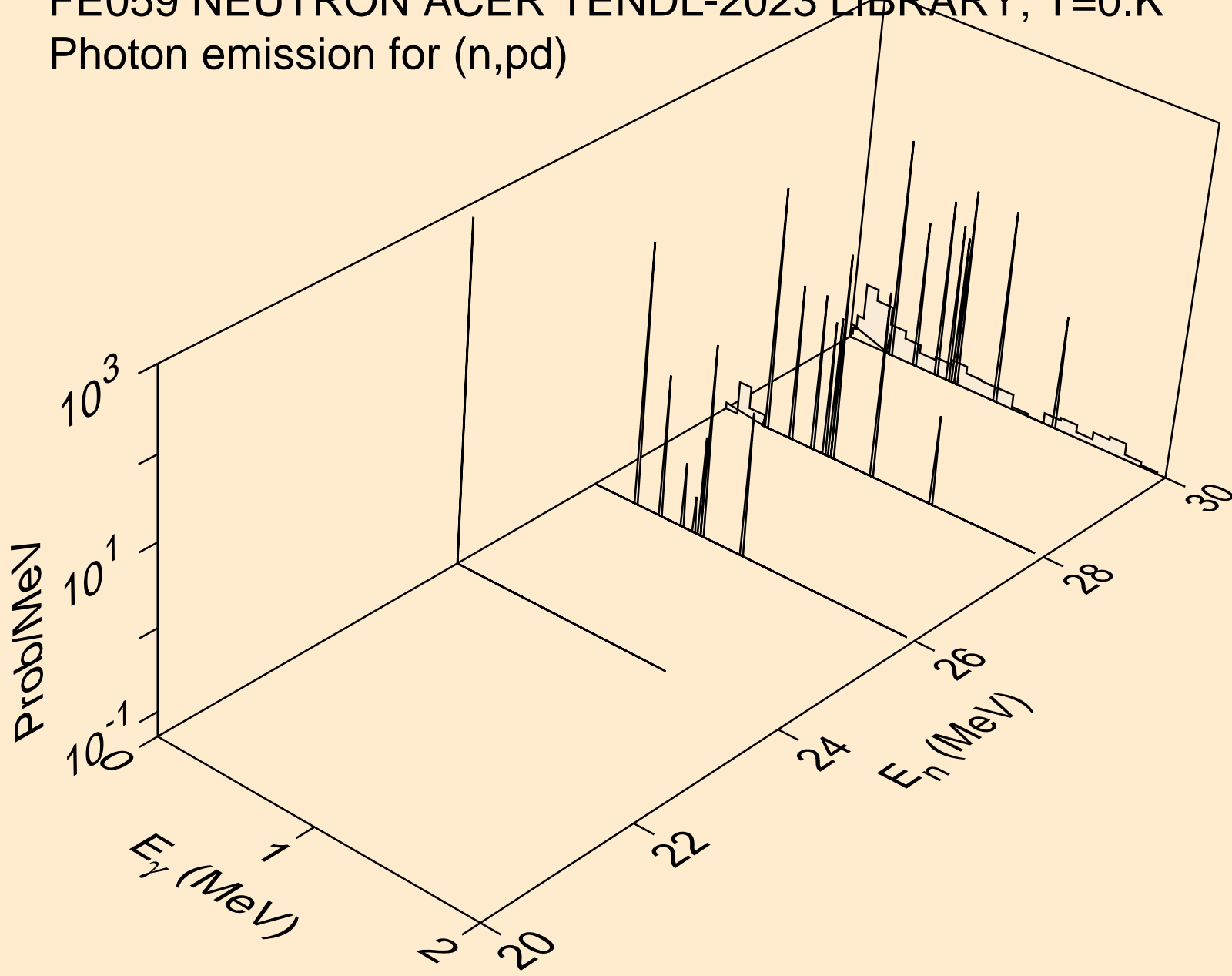
FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)



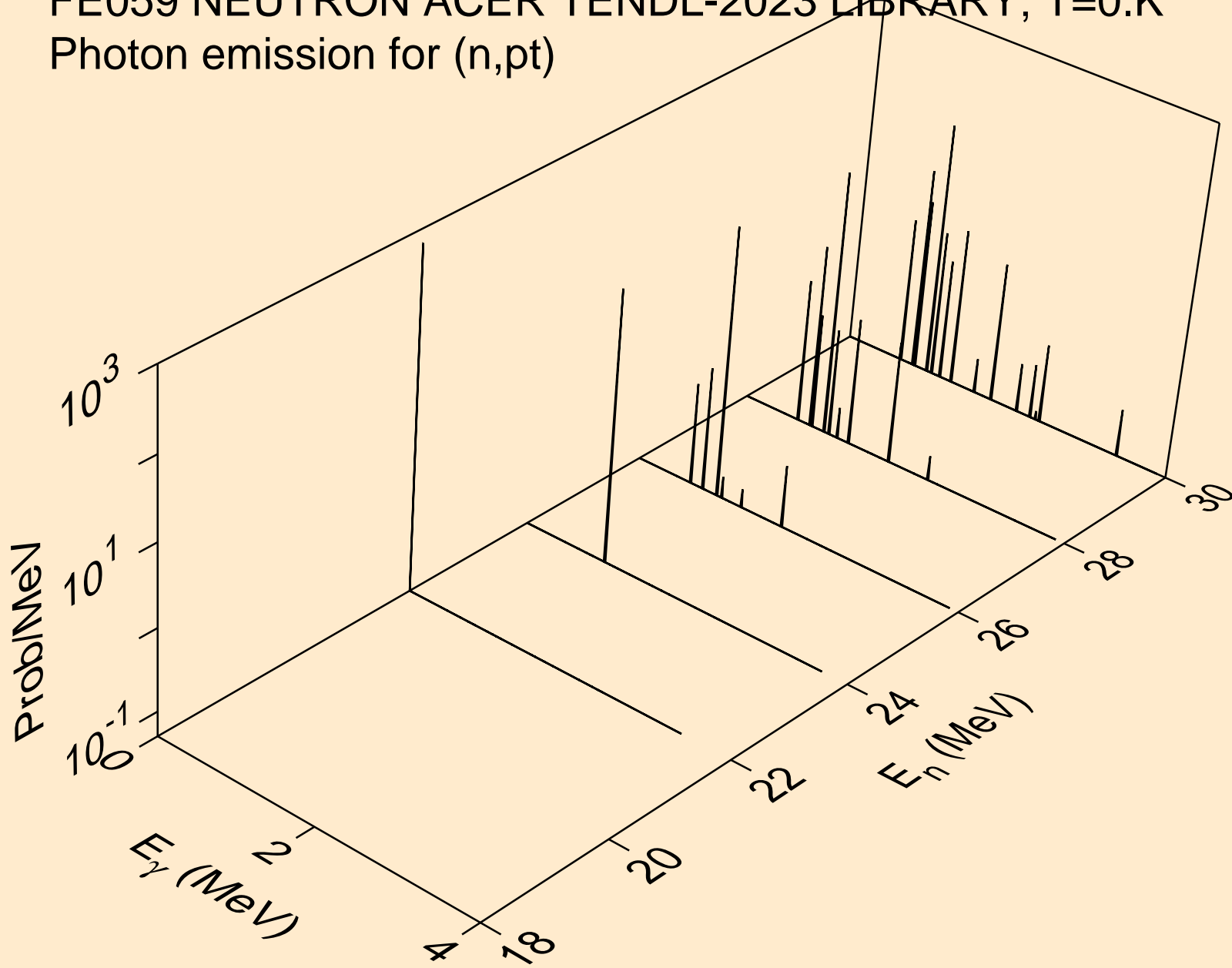
FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pa)



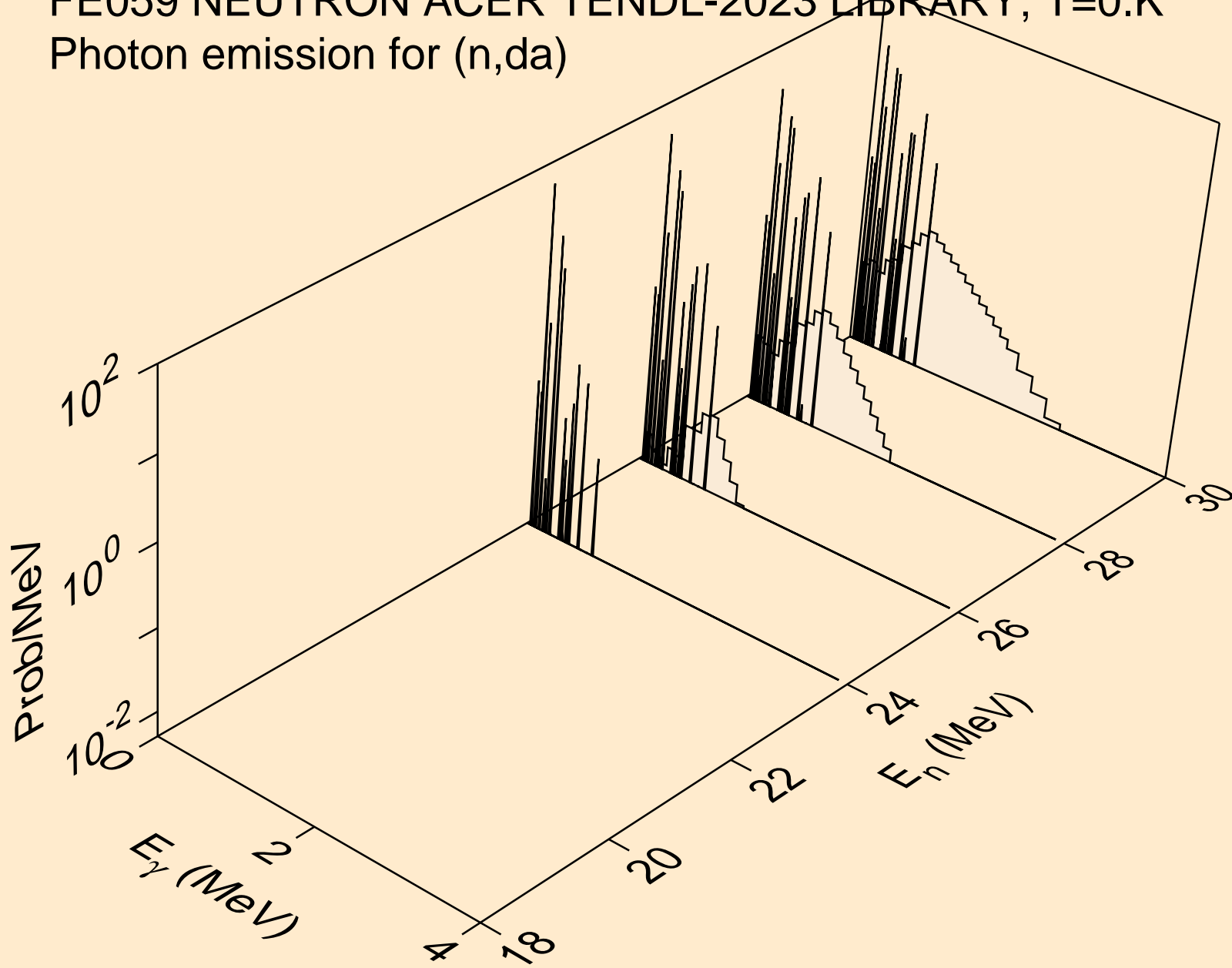
FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)



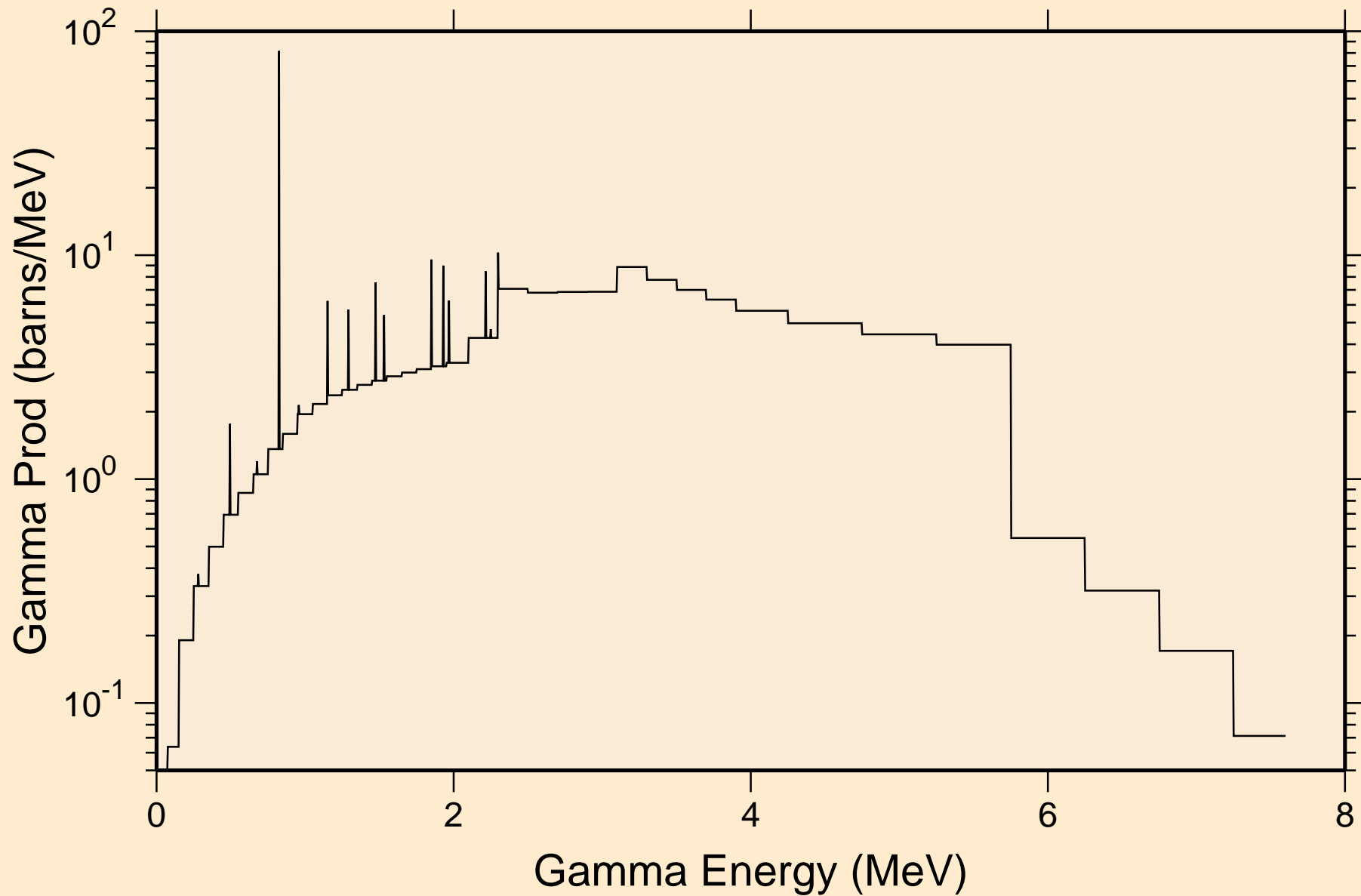
FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)



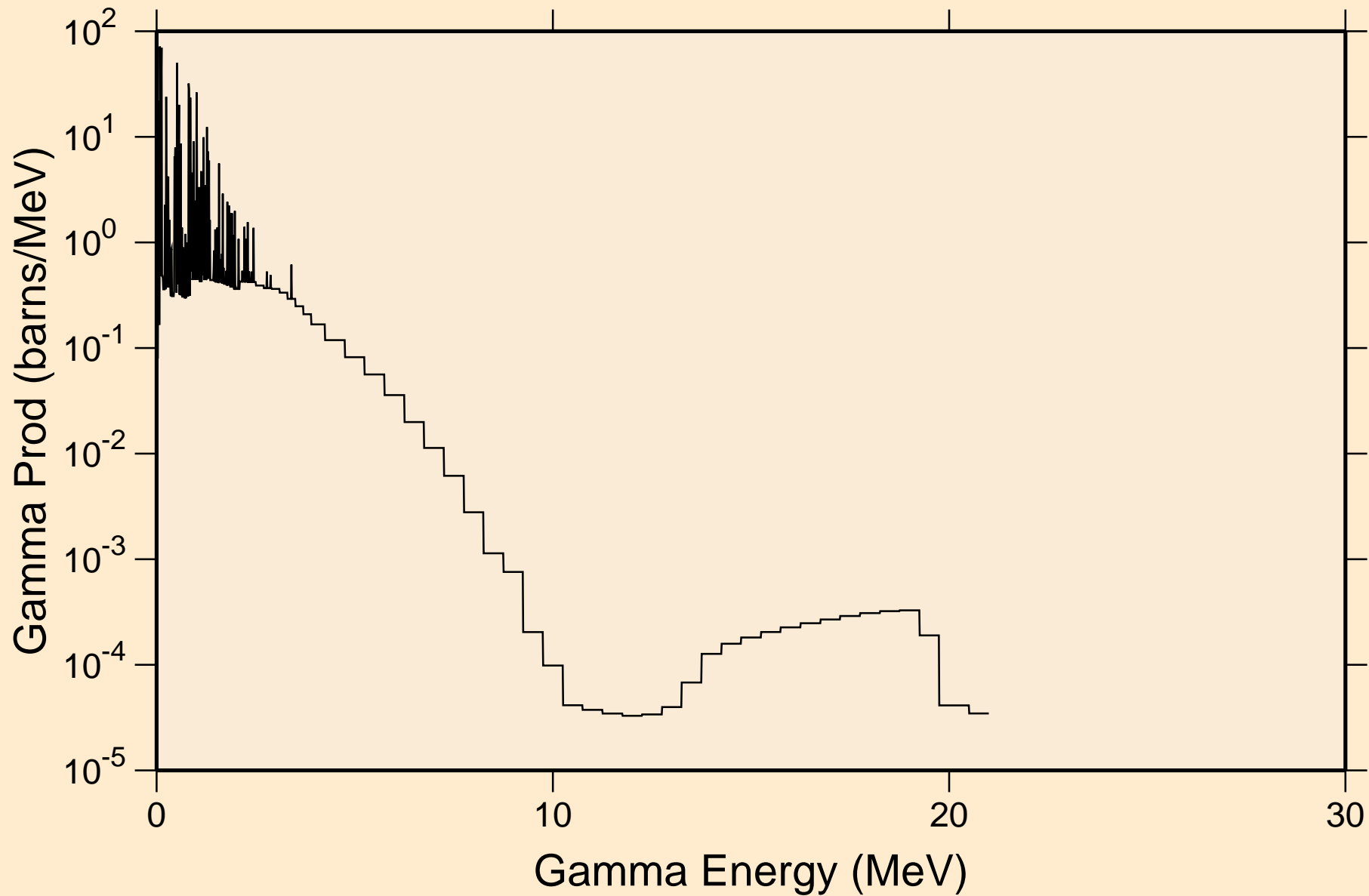
FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)



FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
thermal capture photon spectrum

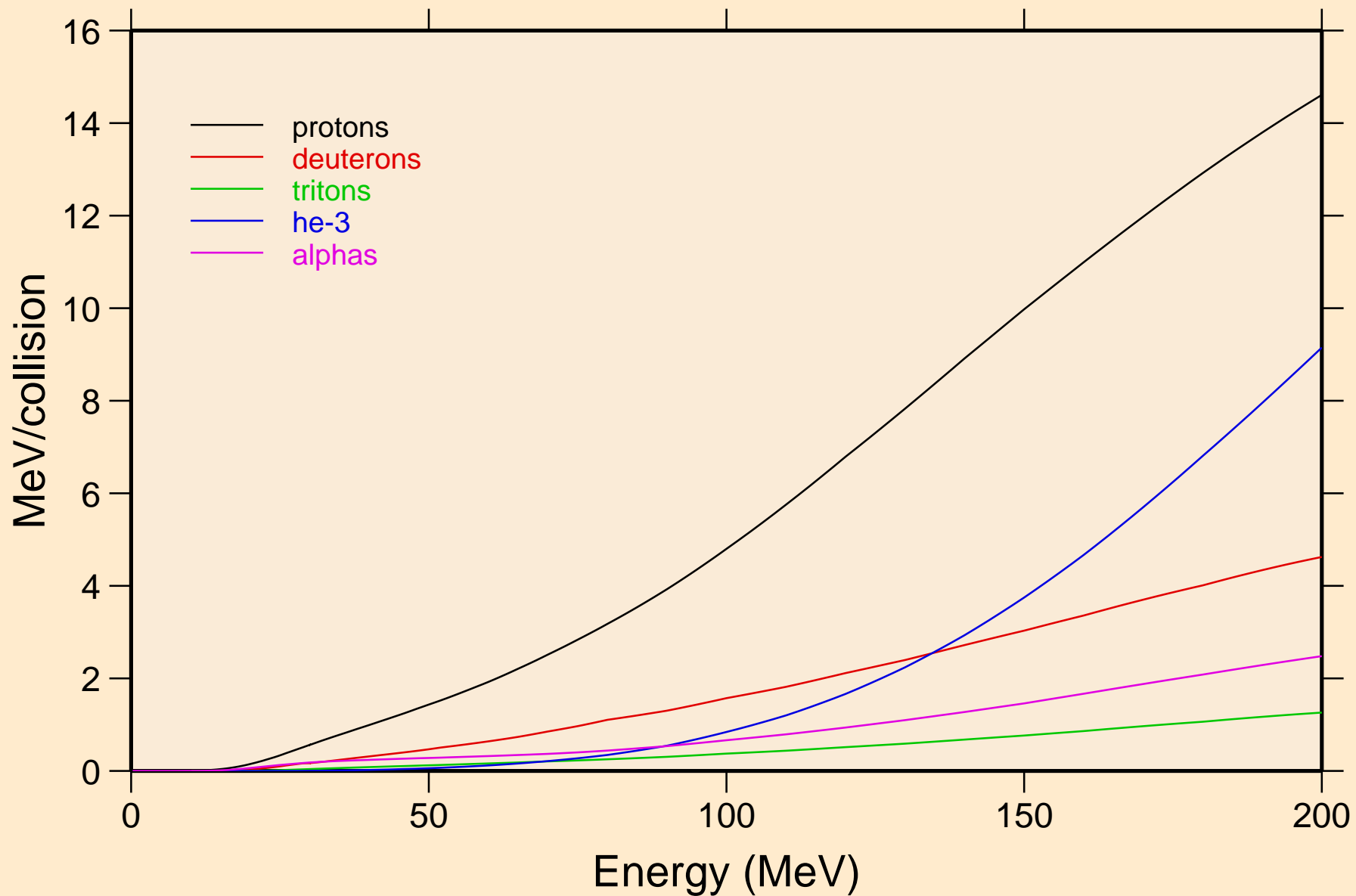


FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
14 MeV photon spectrum



# FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

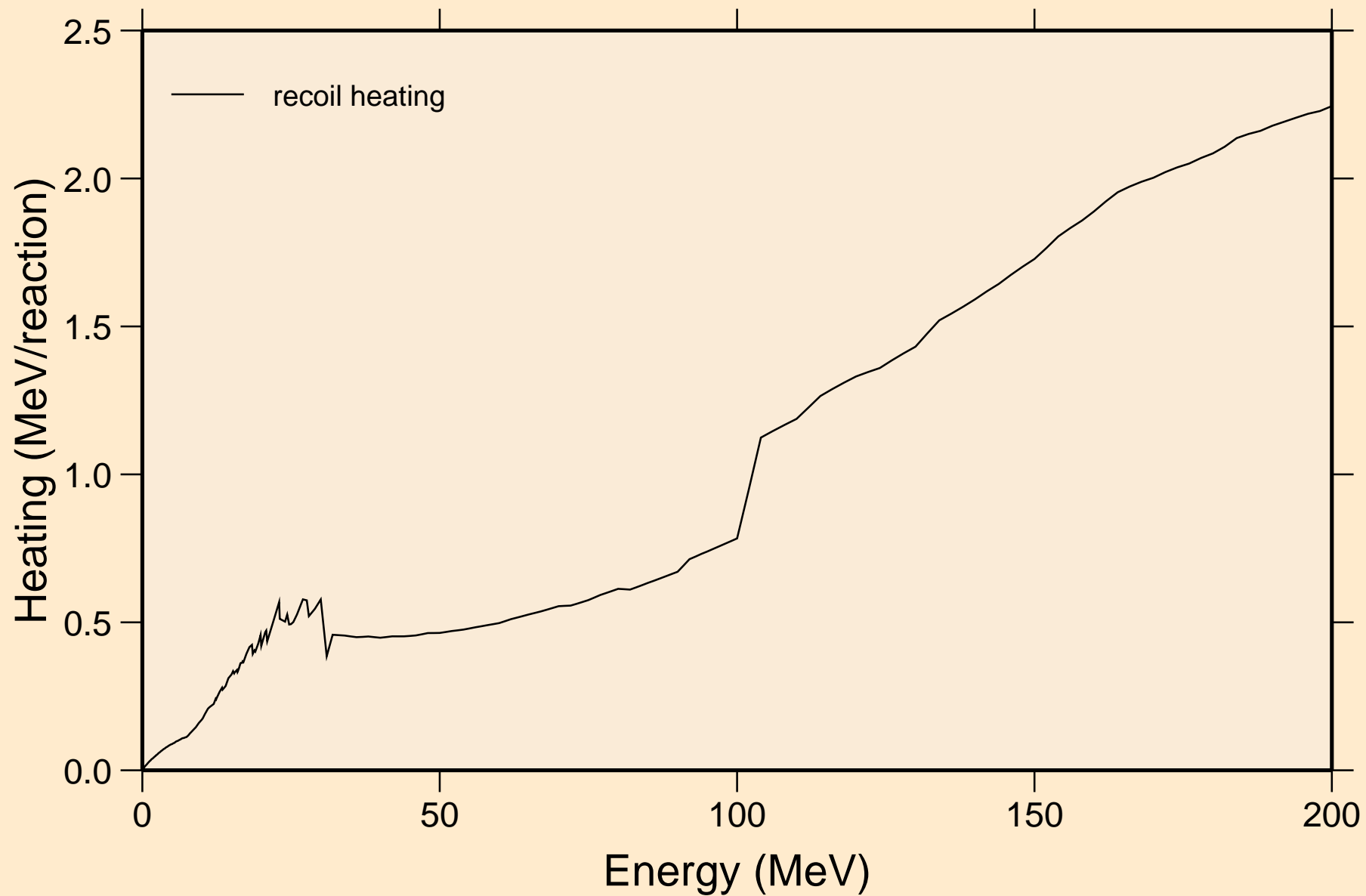
## Particle heating contributions





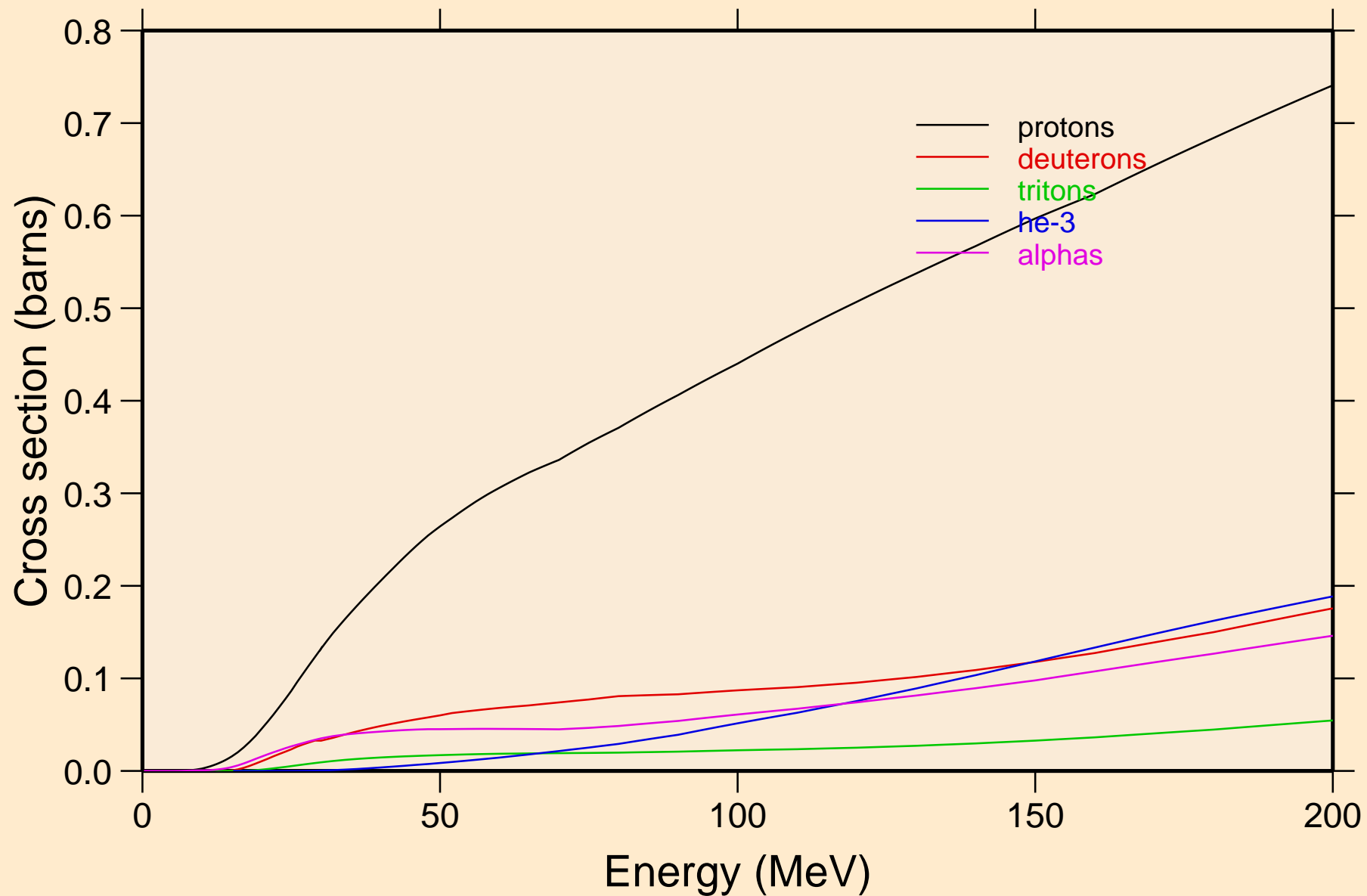
# FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Recoil Heating

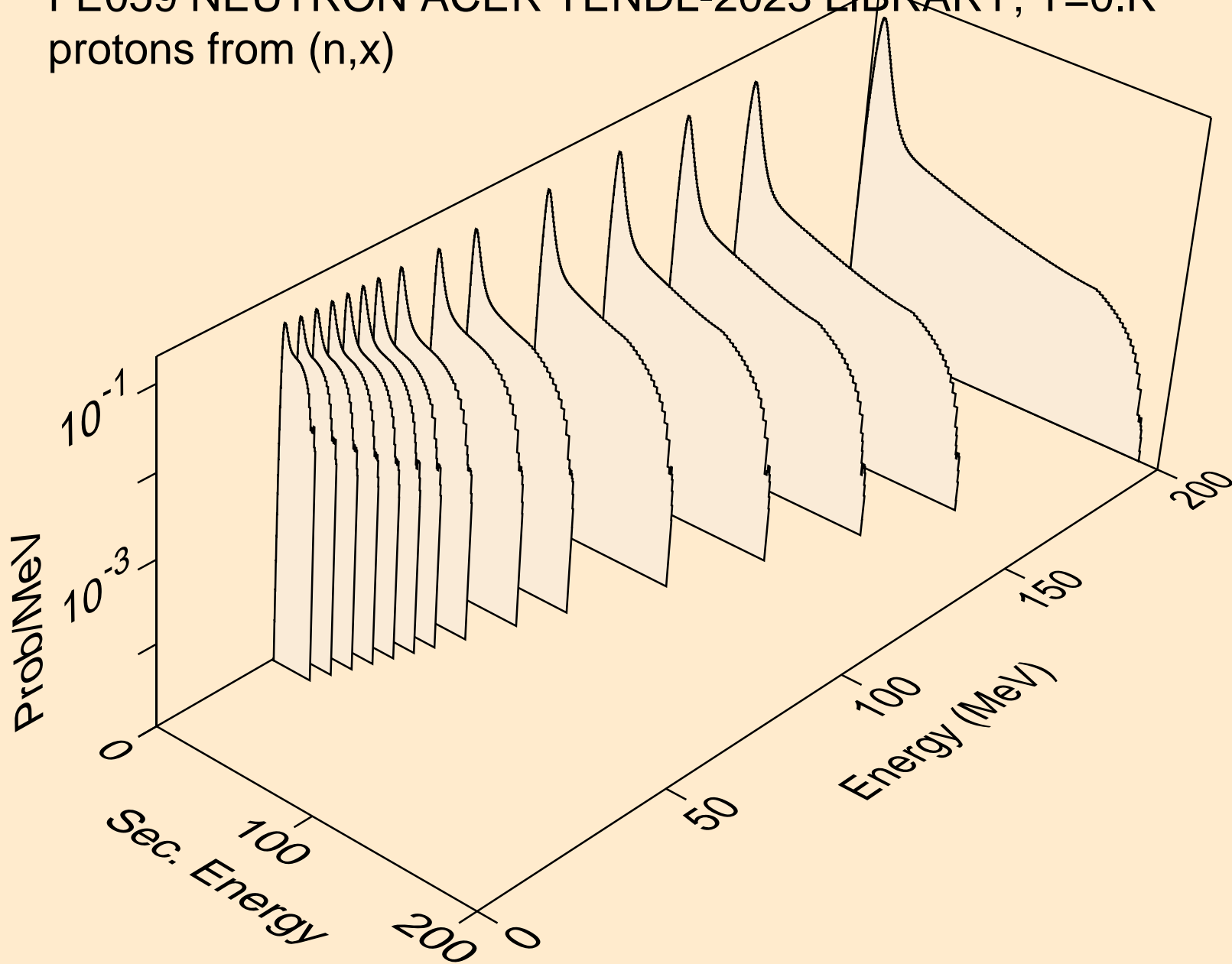


# FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

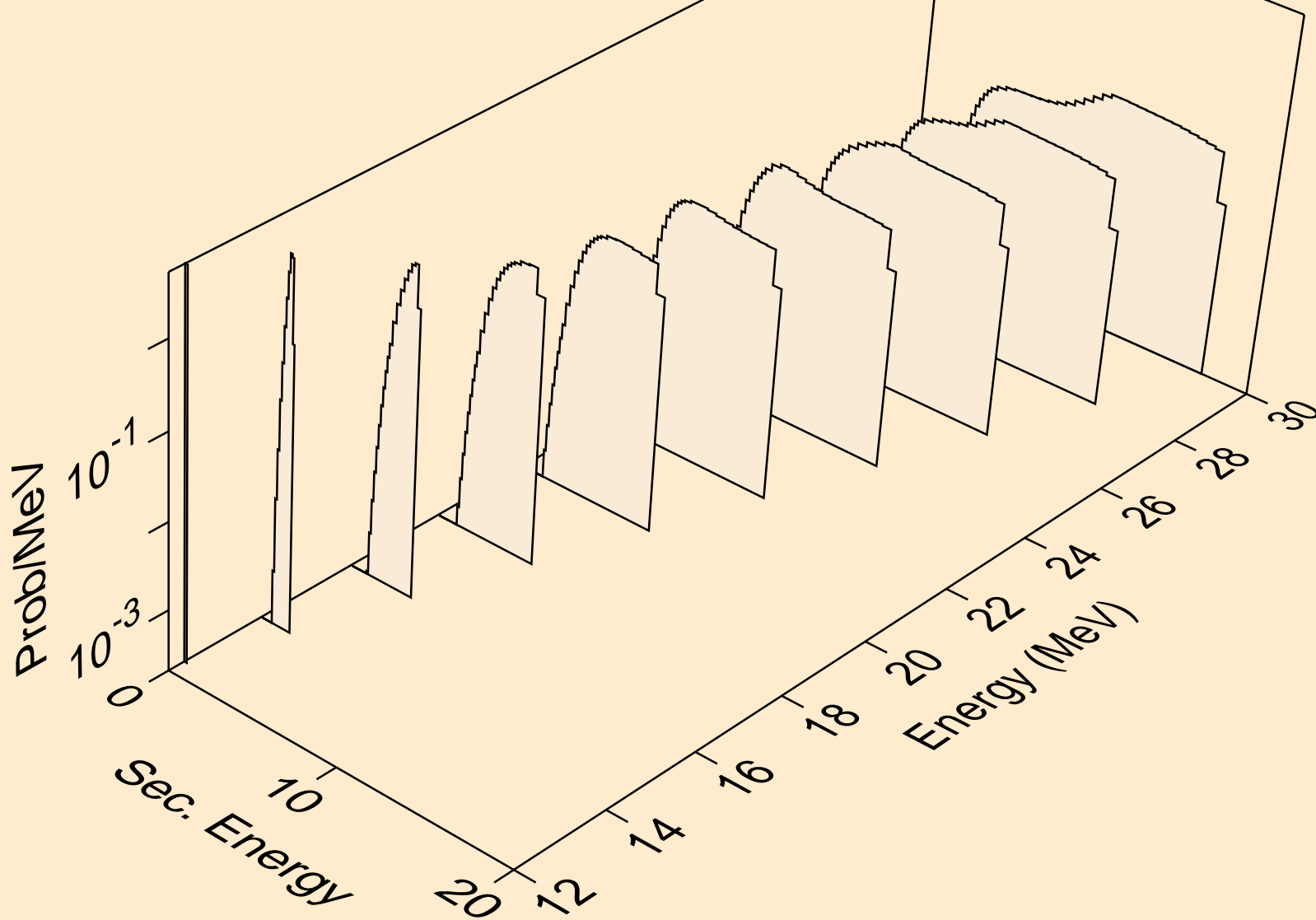
## Particle production cross sections



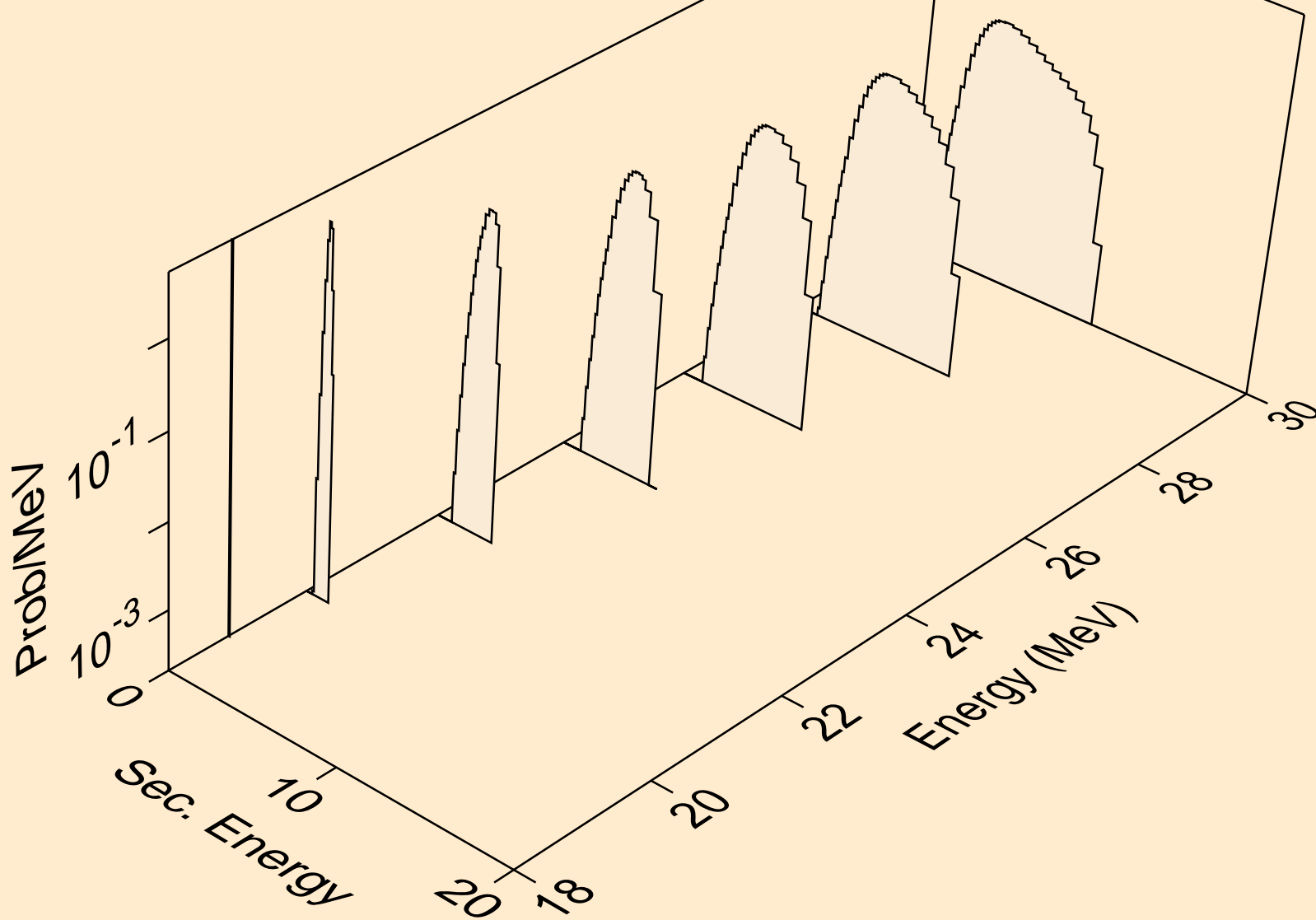
FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,x)



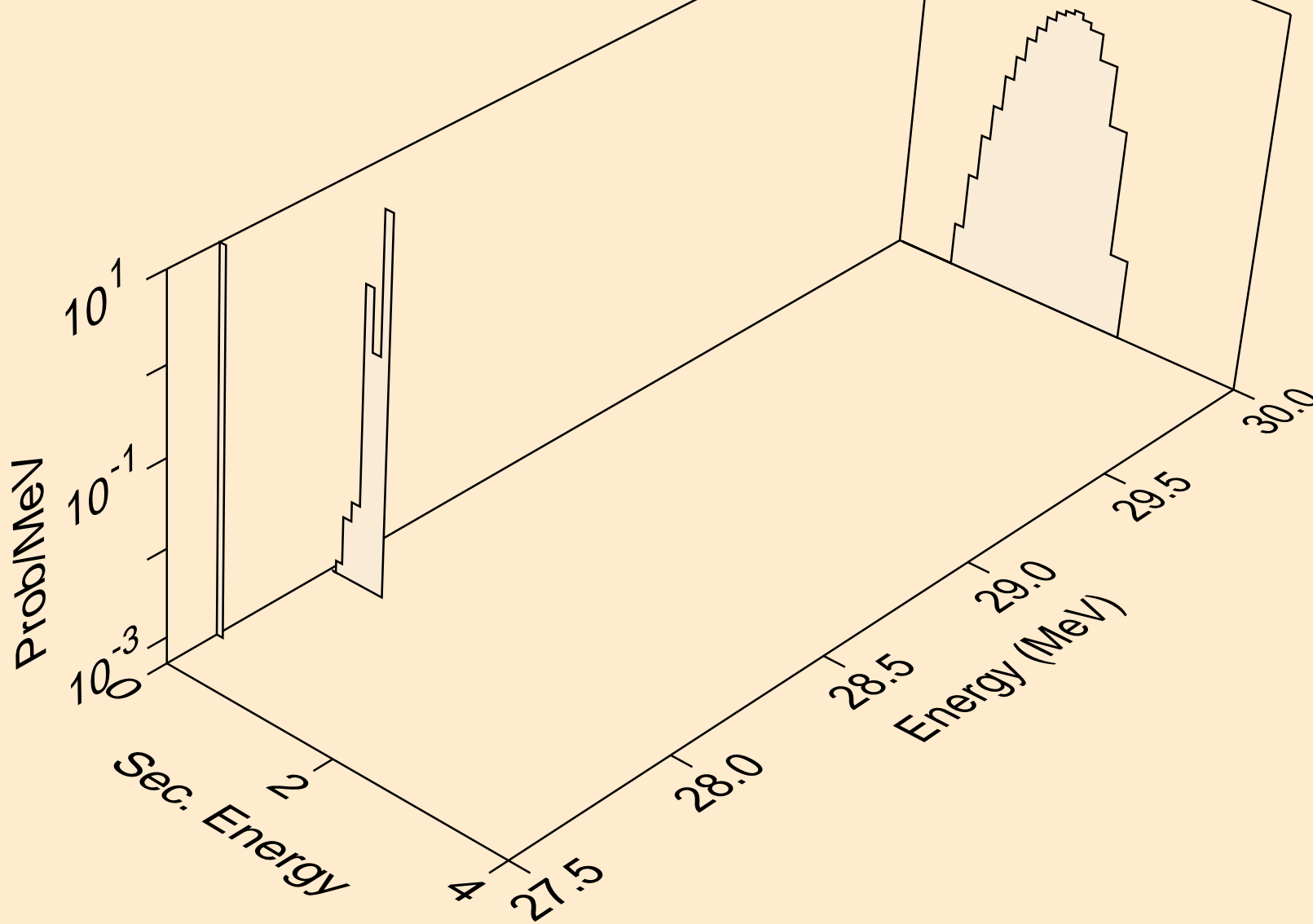
FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n\*)p



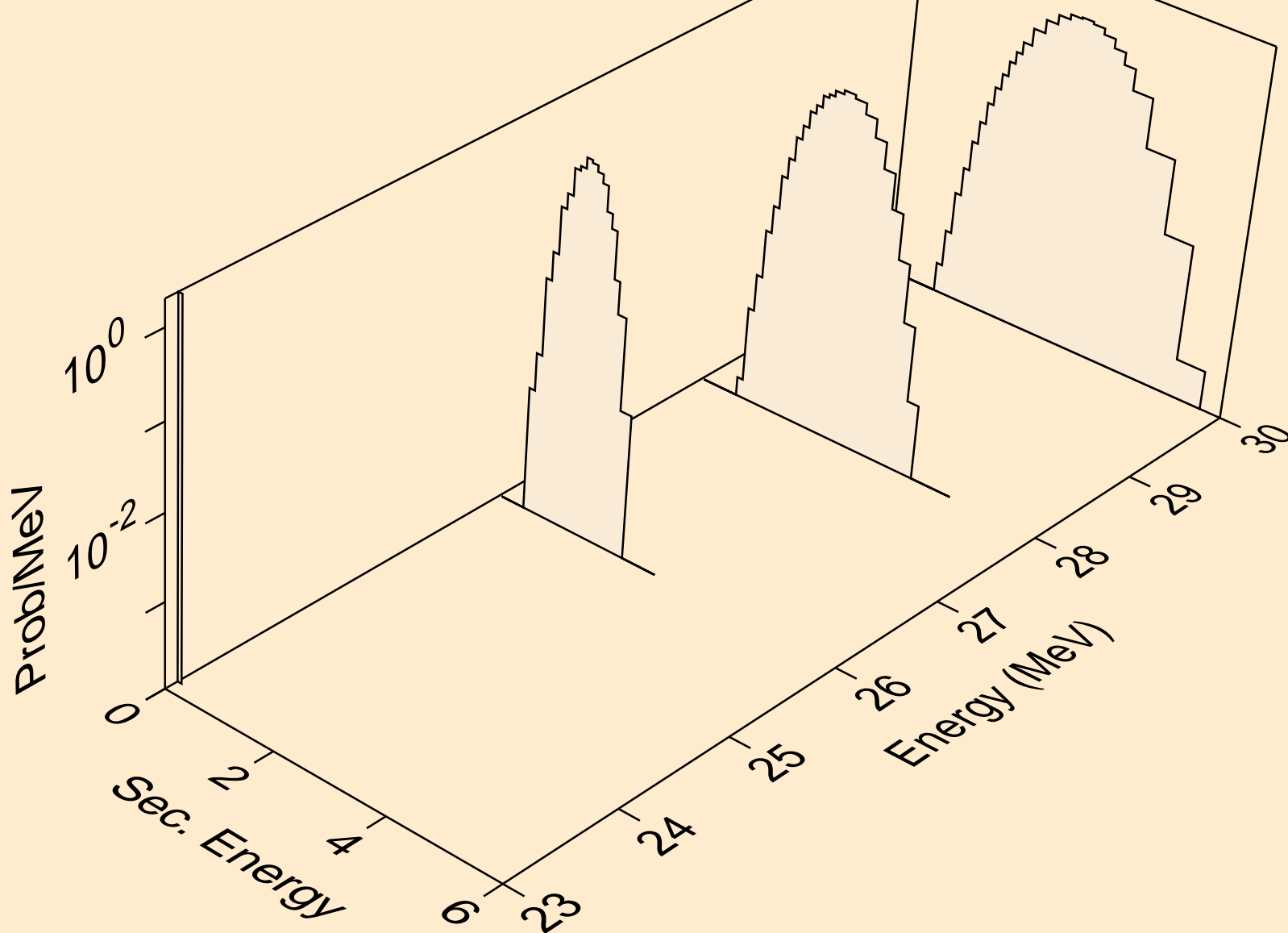
FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,2np)



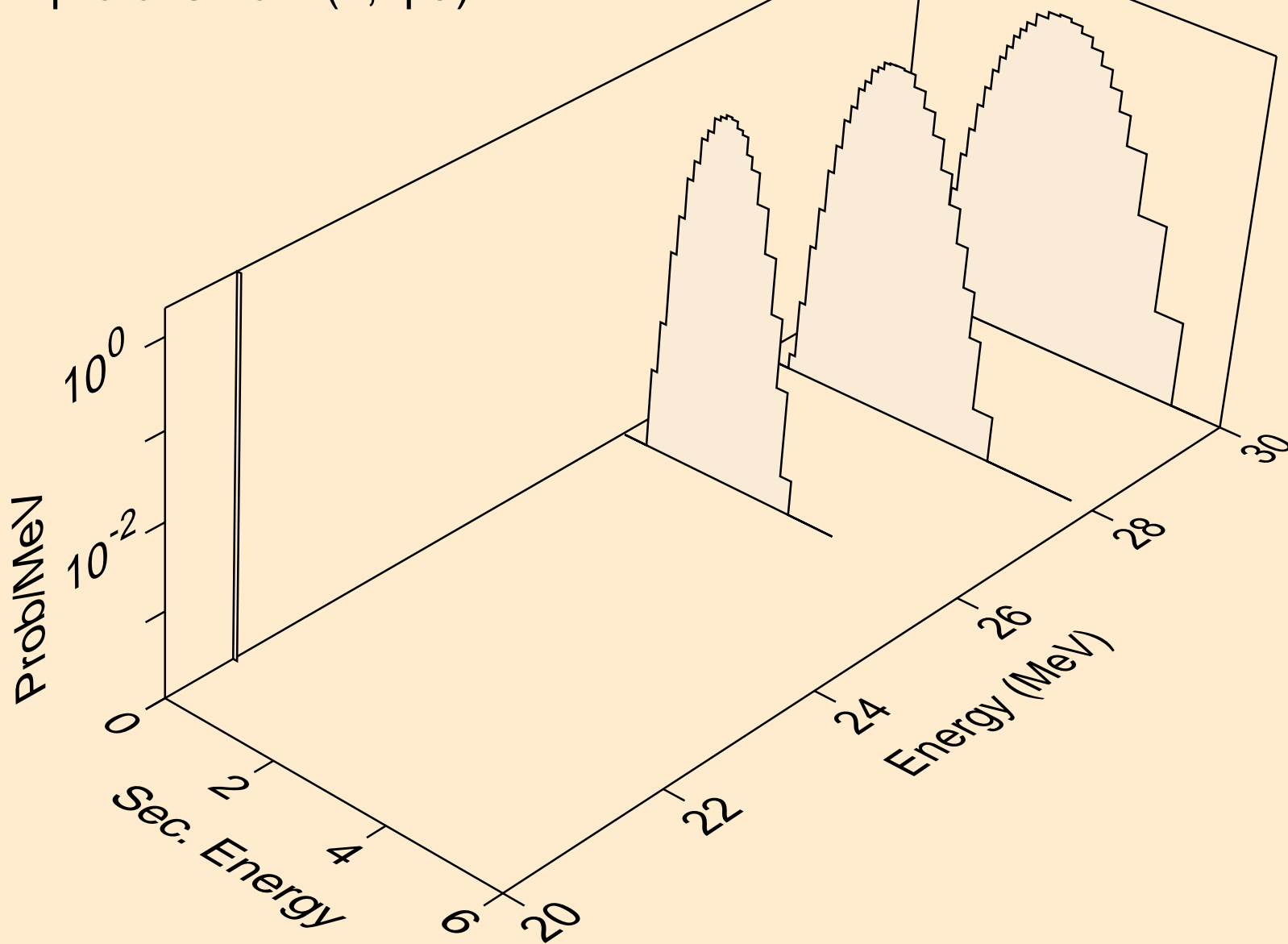
FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,3np)



FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n2p)

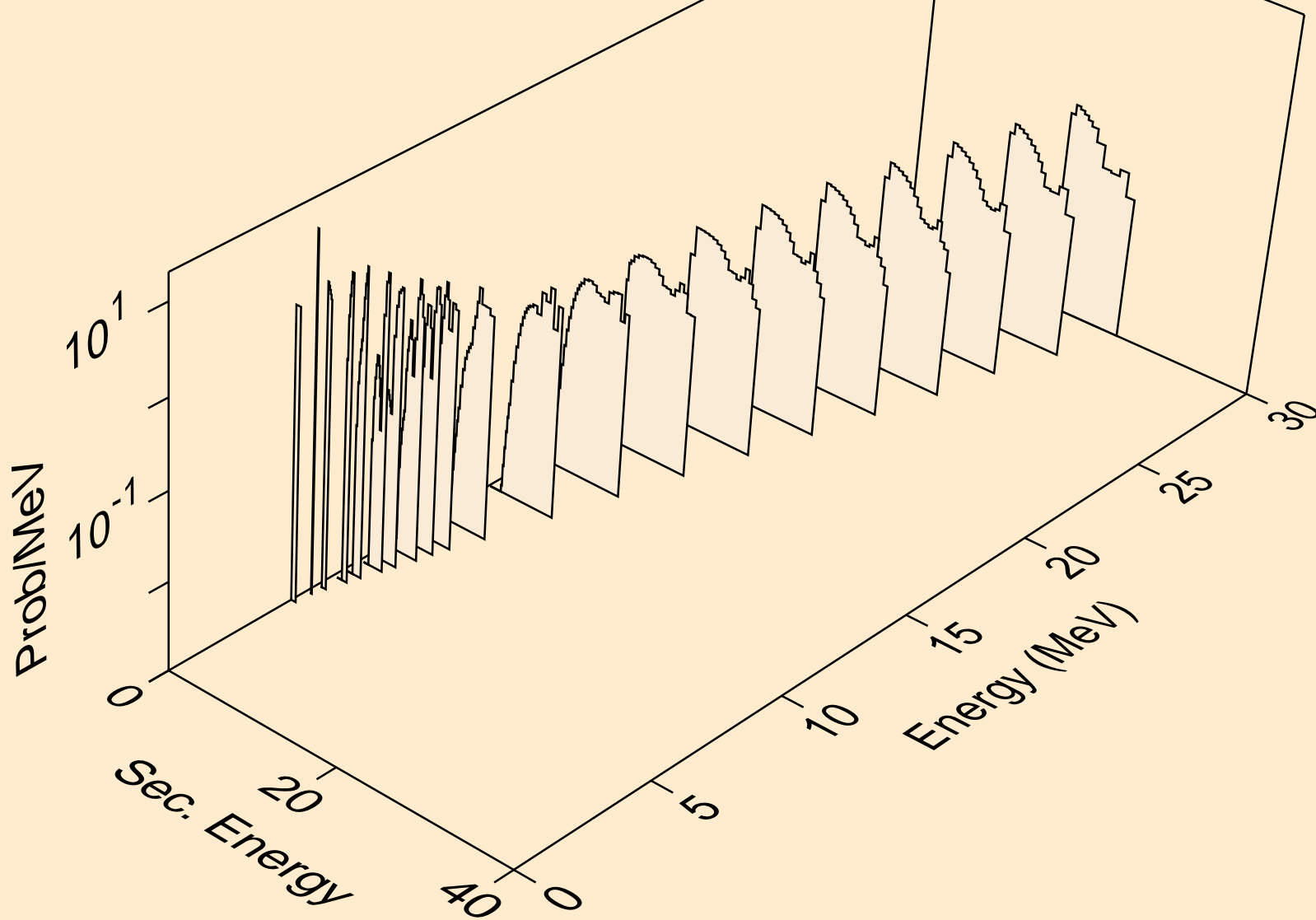


FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
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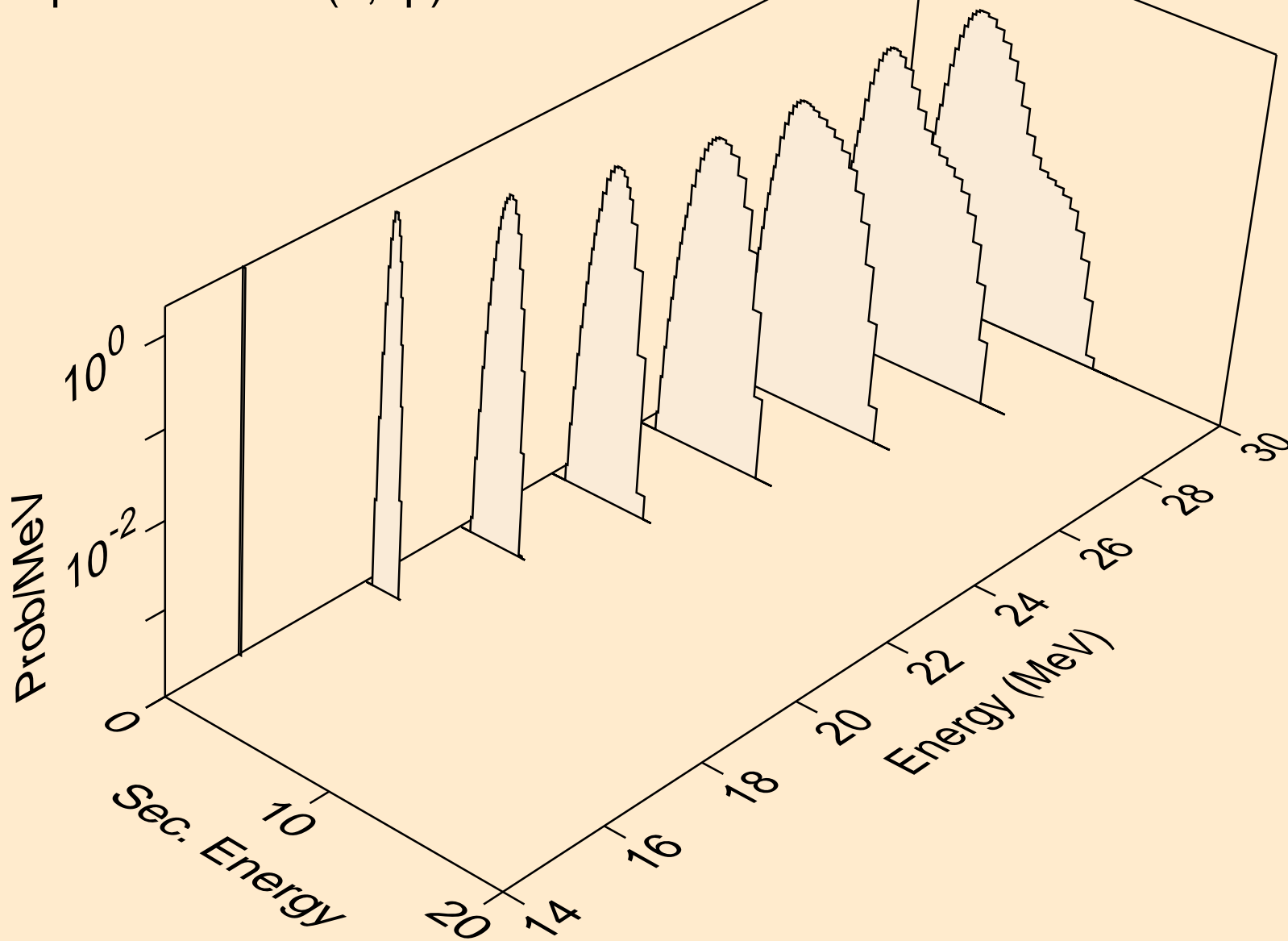




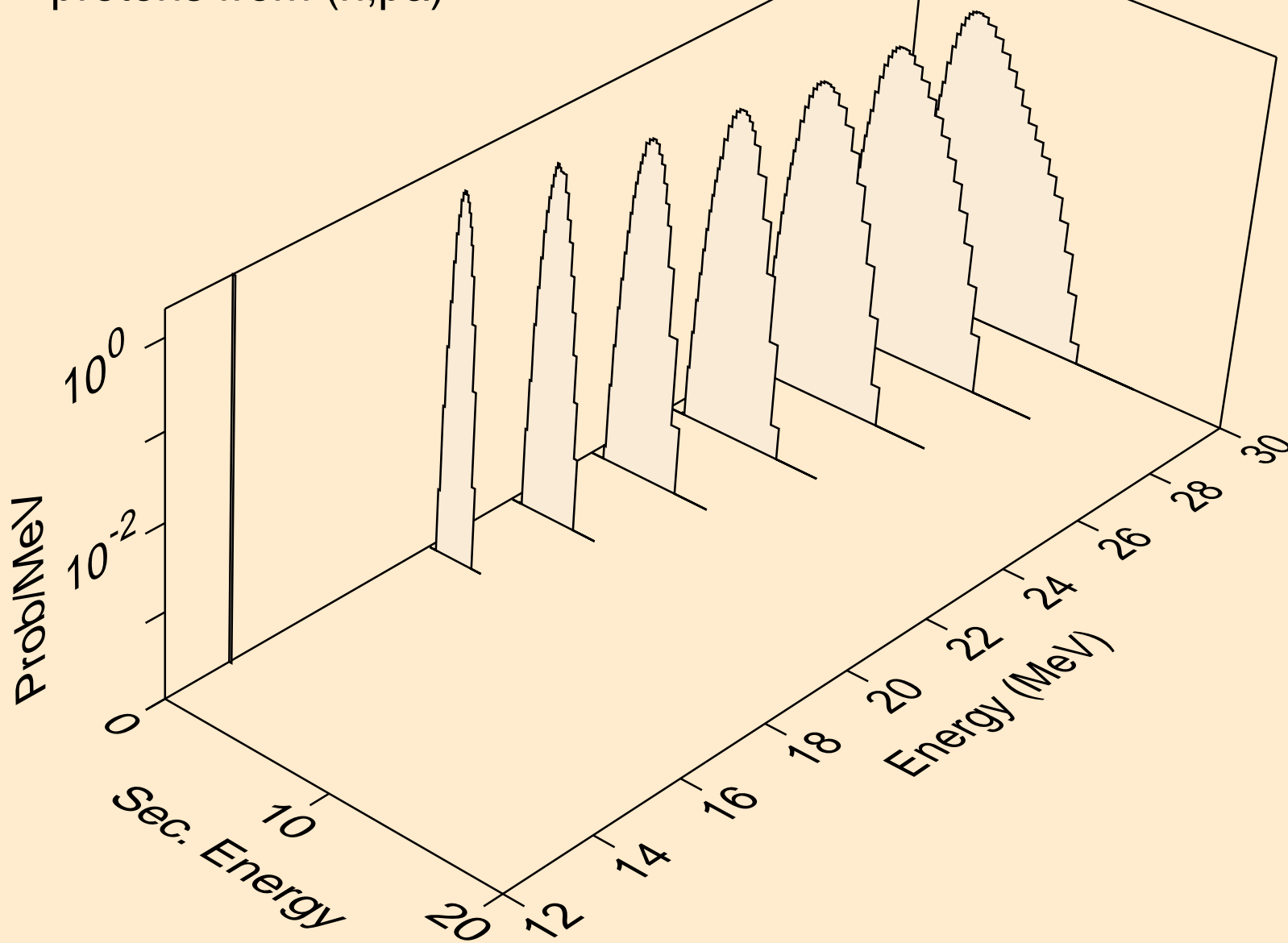
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protons from (n,p)



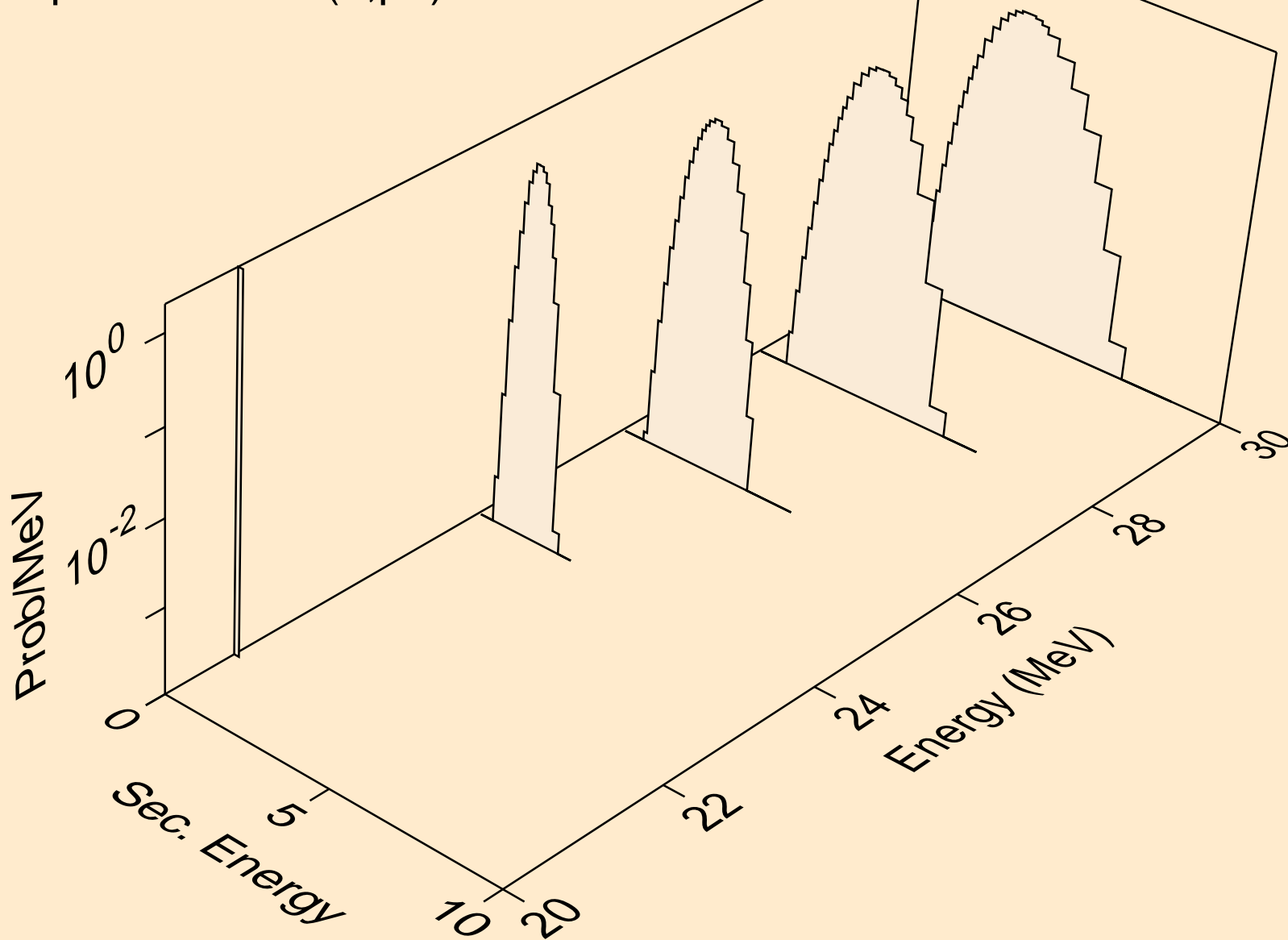
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protons from (n,2p)



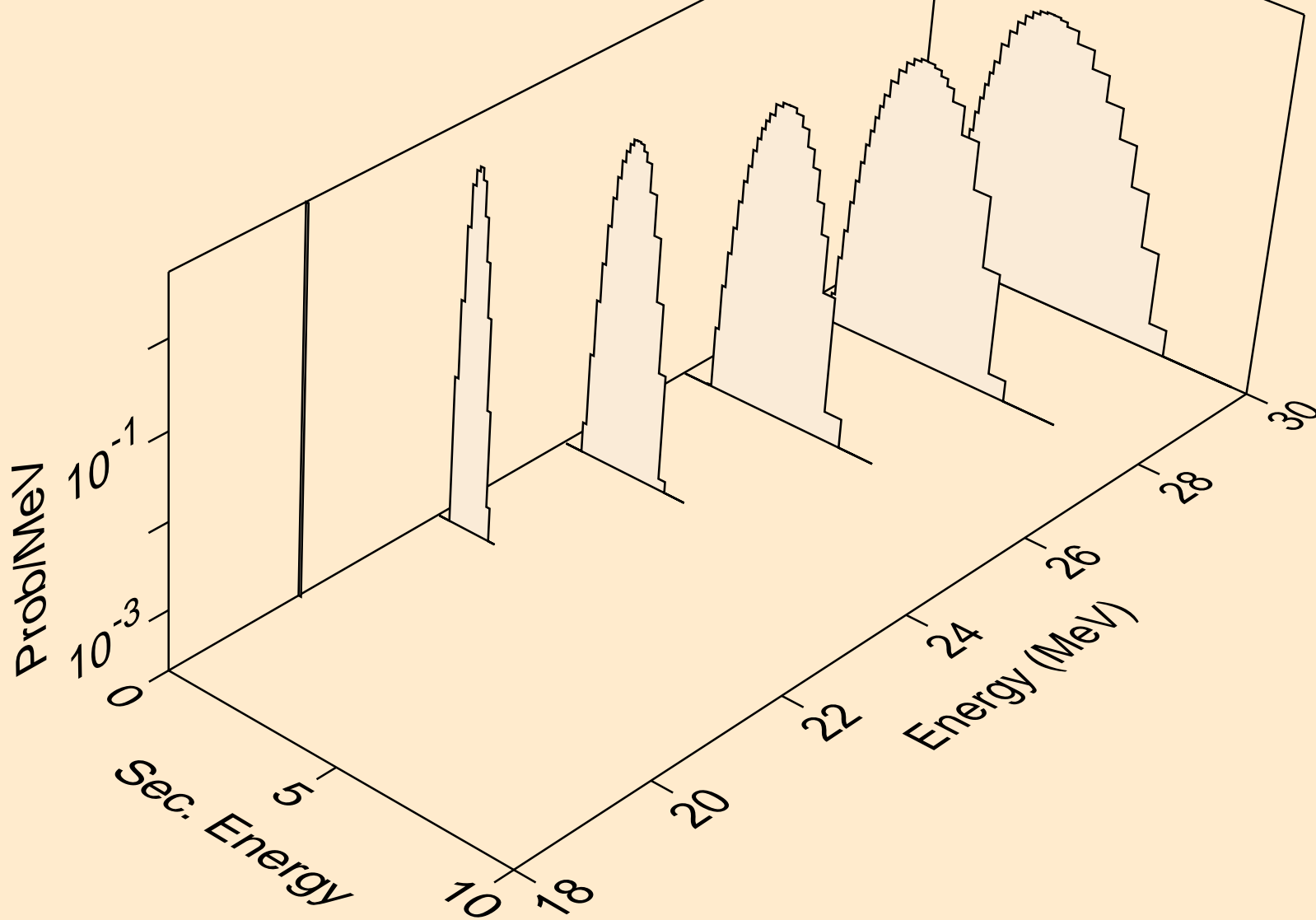
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protons from (n,pa)



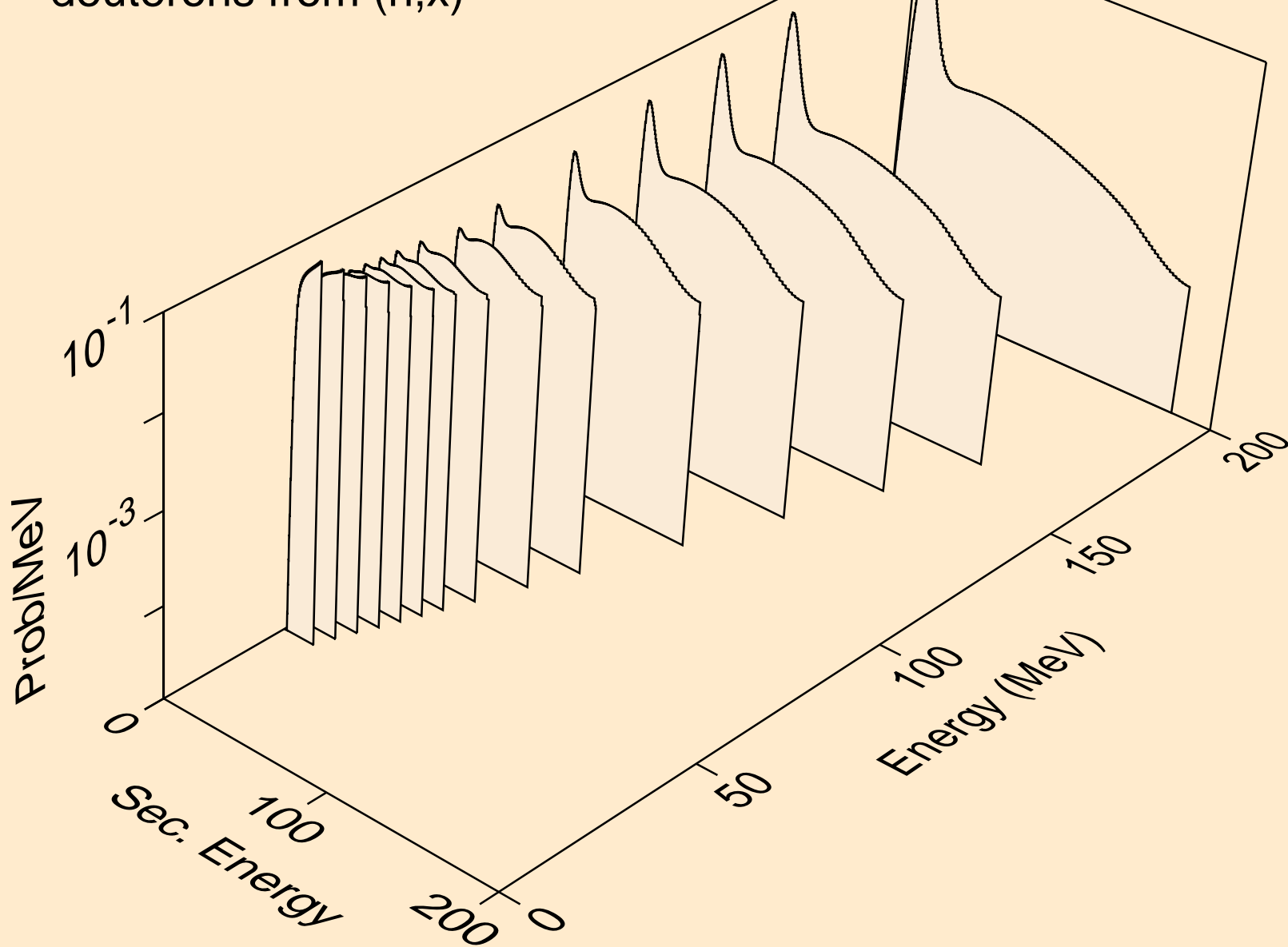
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protons from (n,pd)



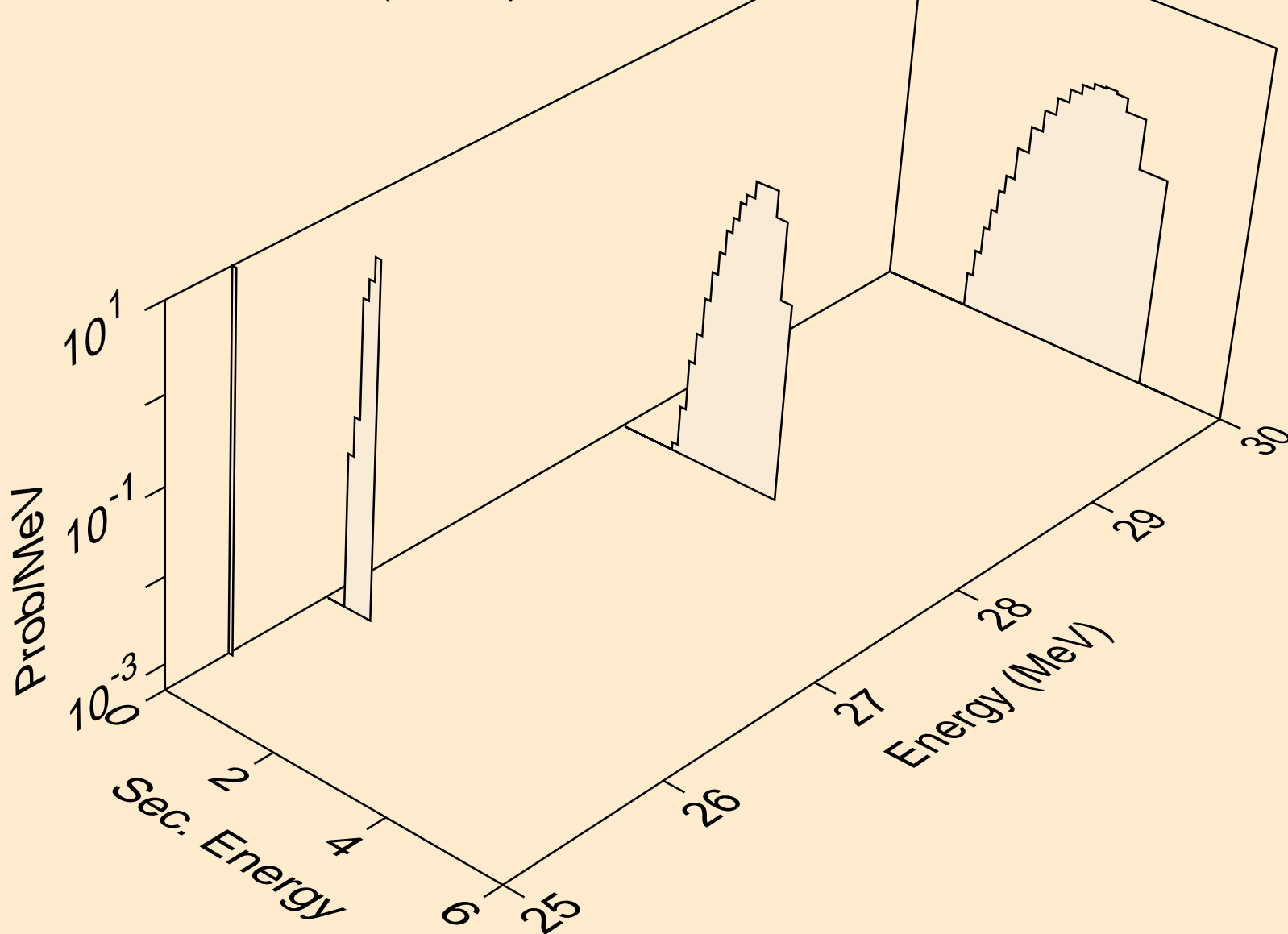
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protons from (n,pt)



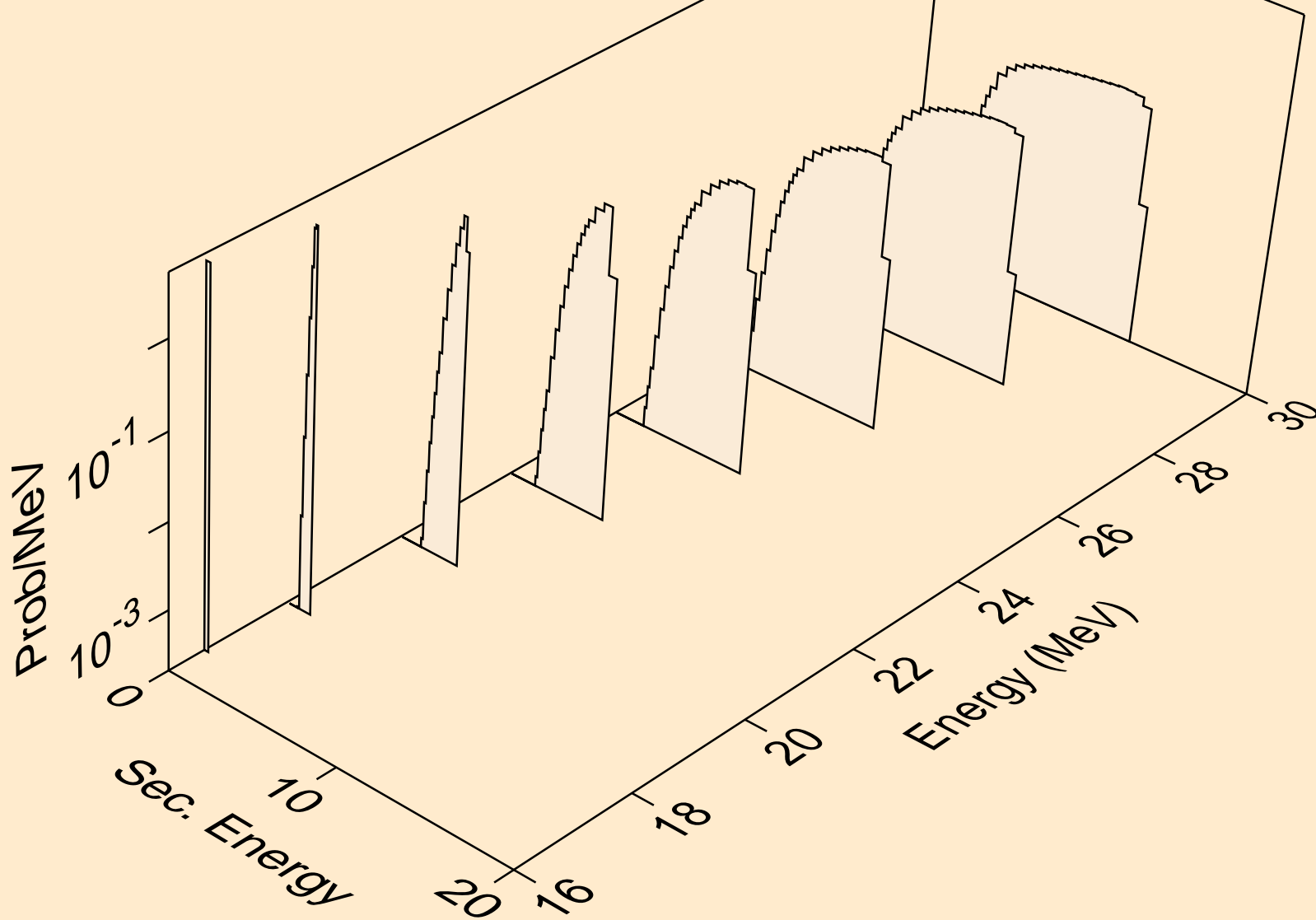
FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,x)



FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,2nd)

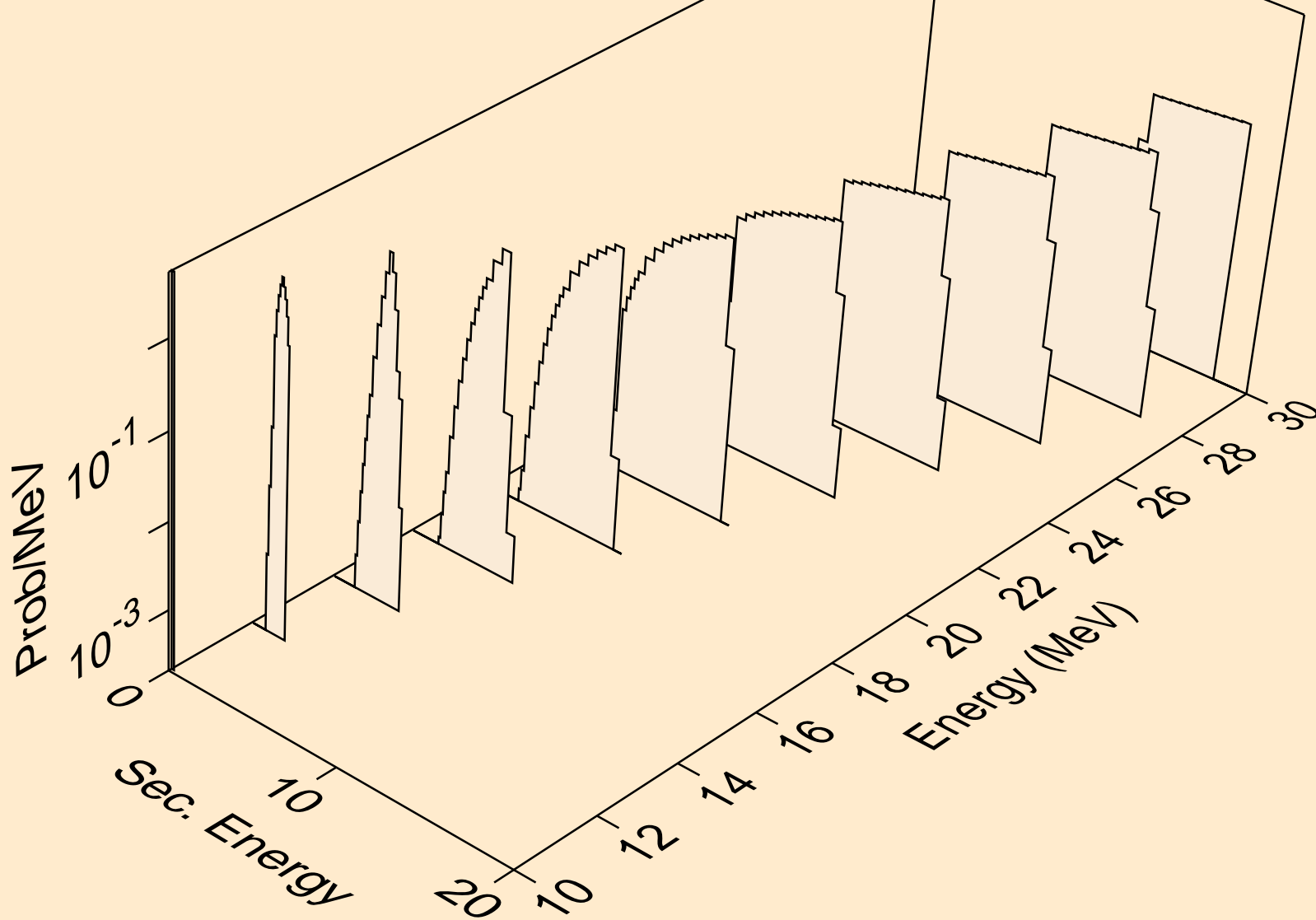


FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,n\*)d

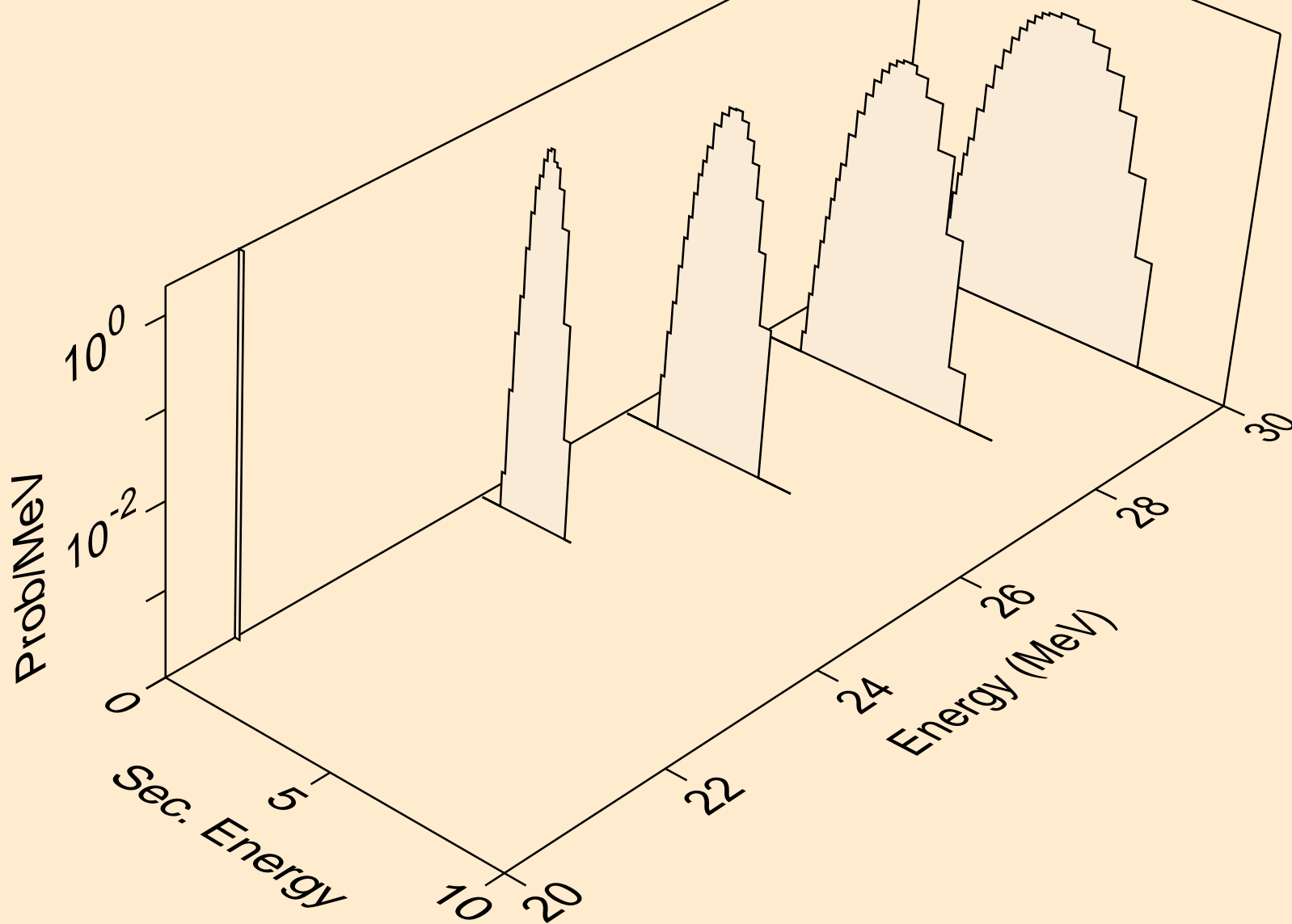




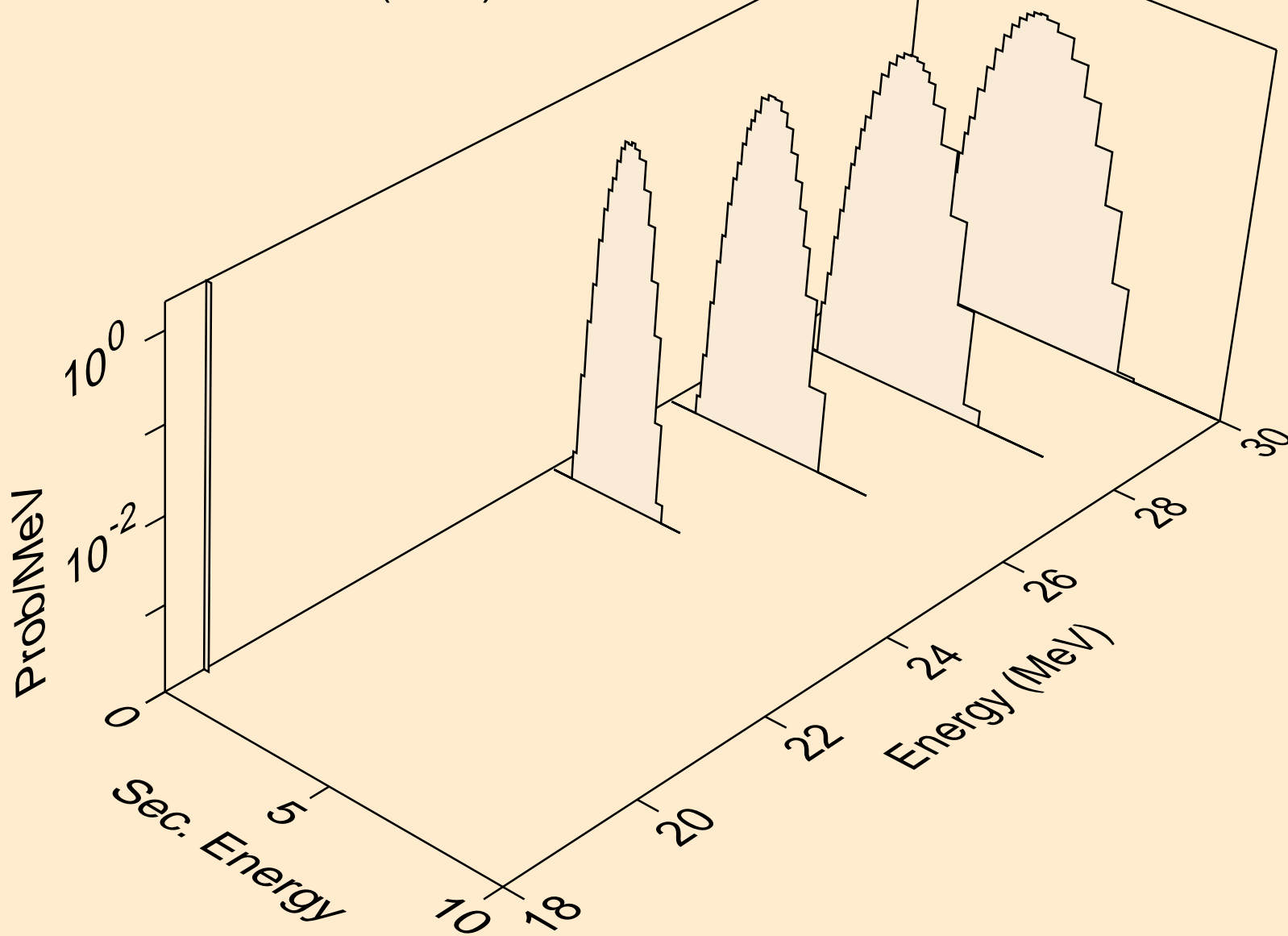
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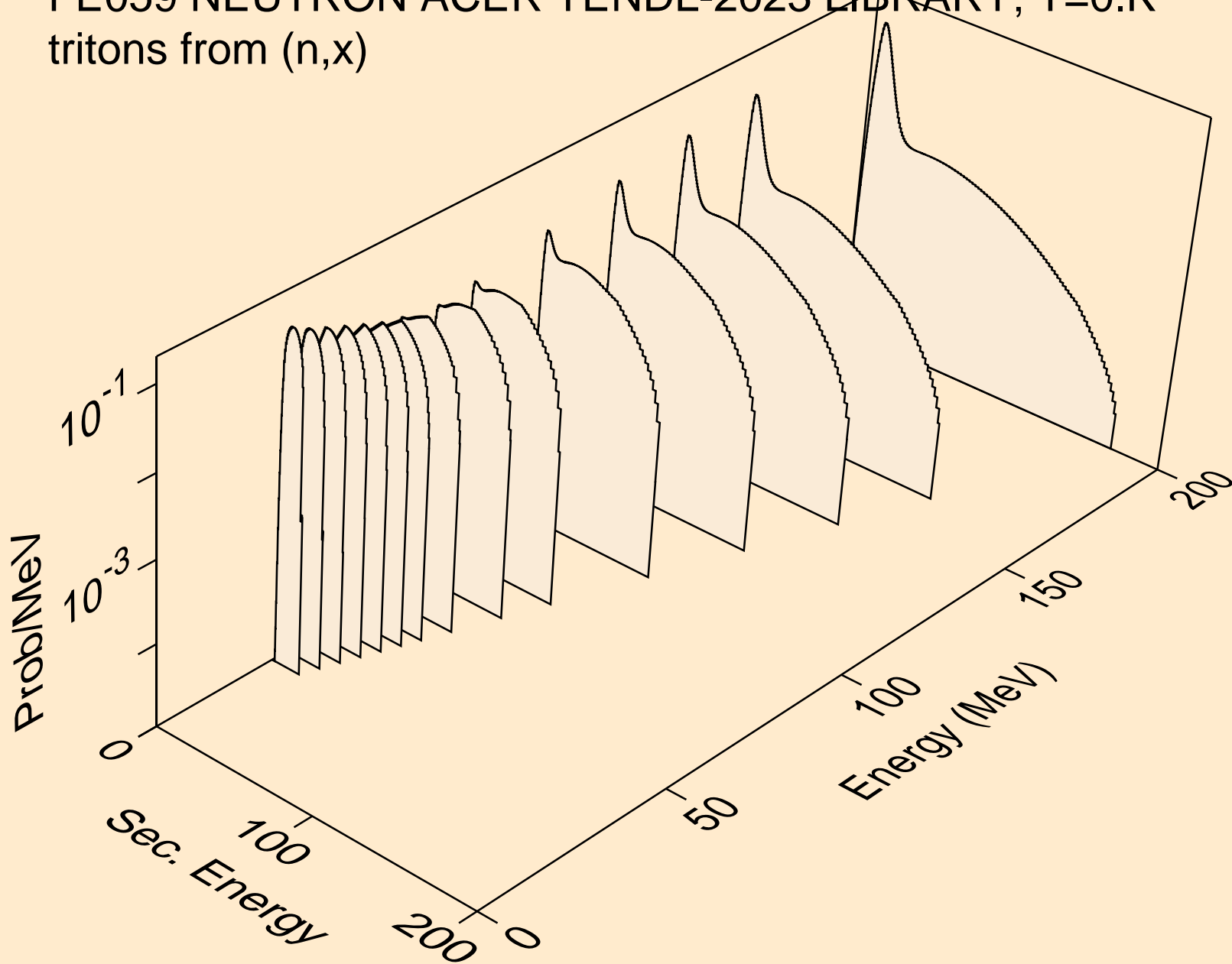
FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,pd)



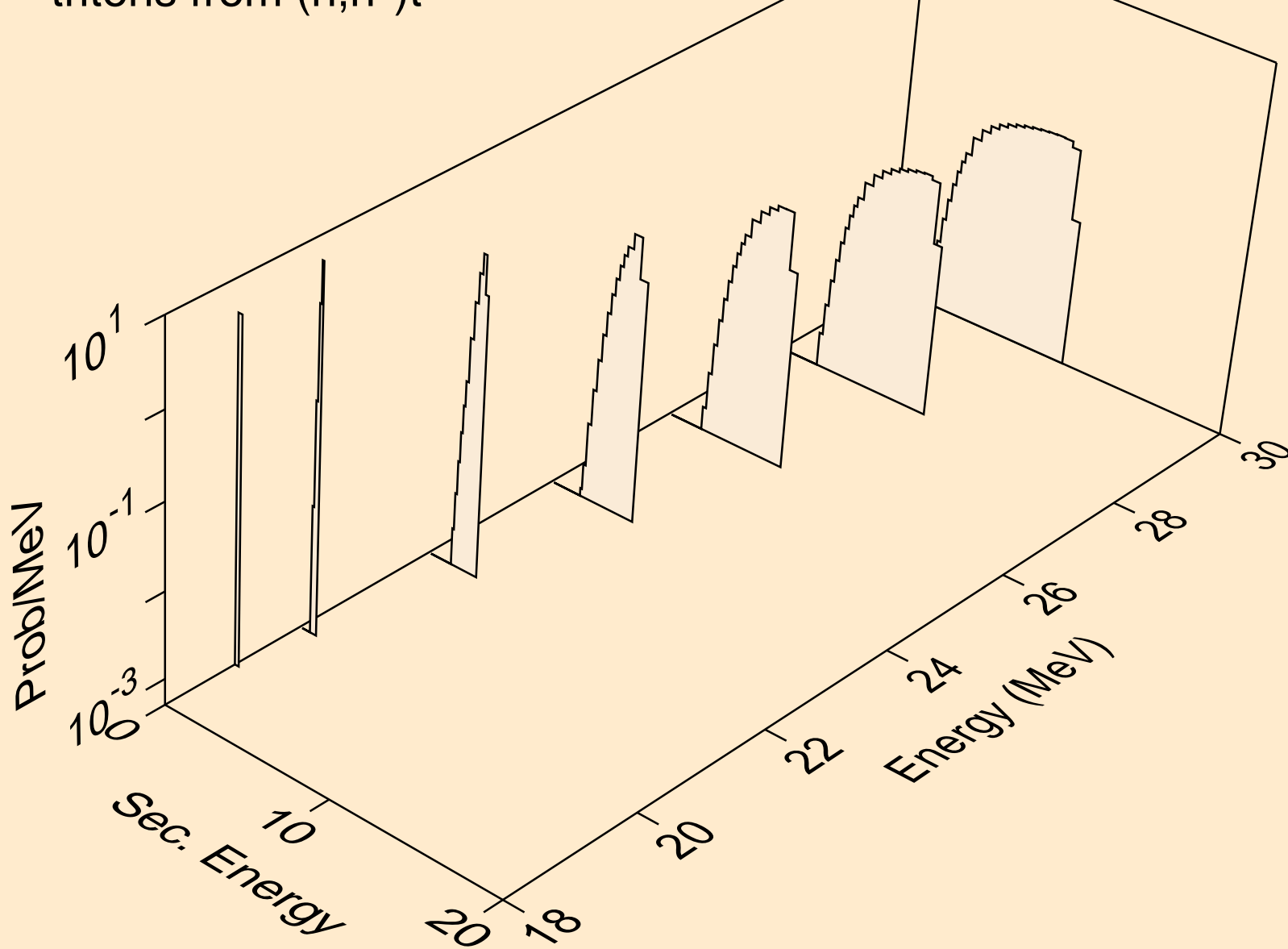
FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
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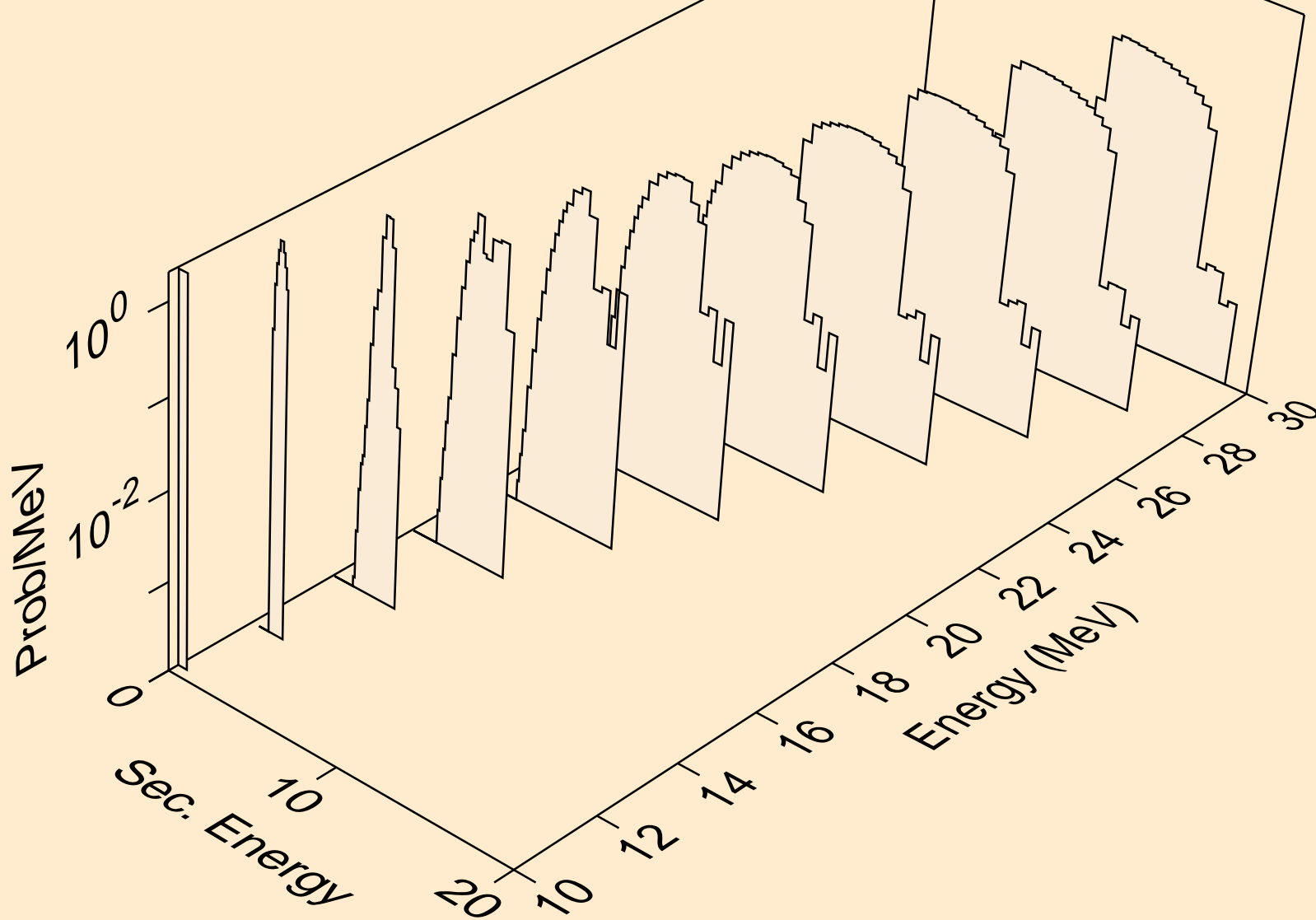
FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,x)



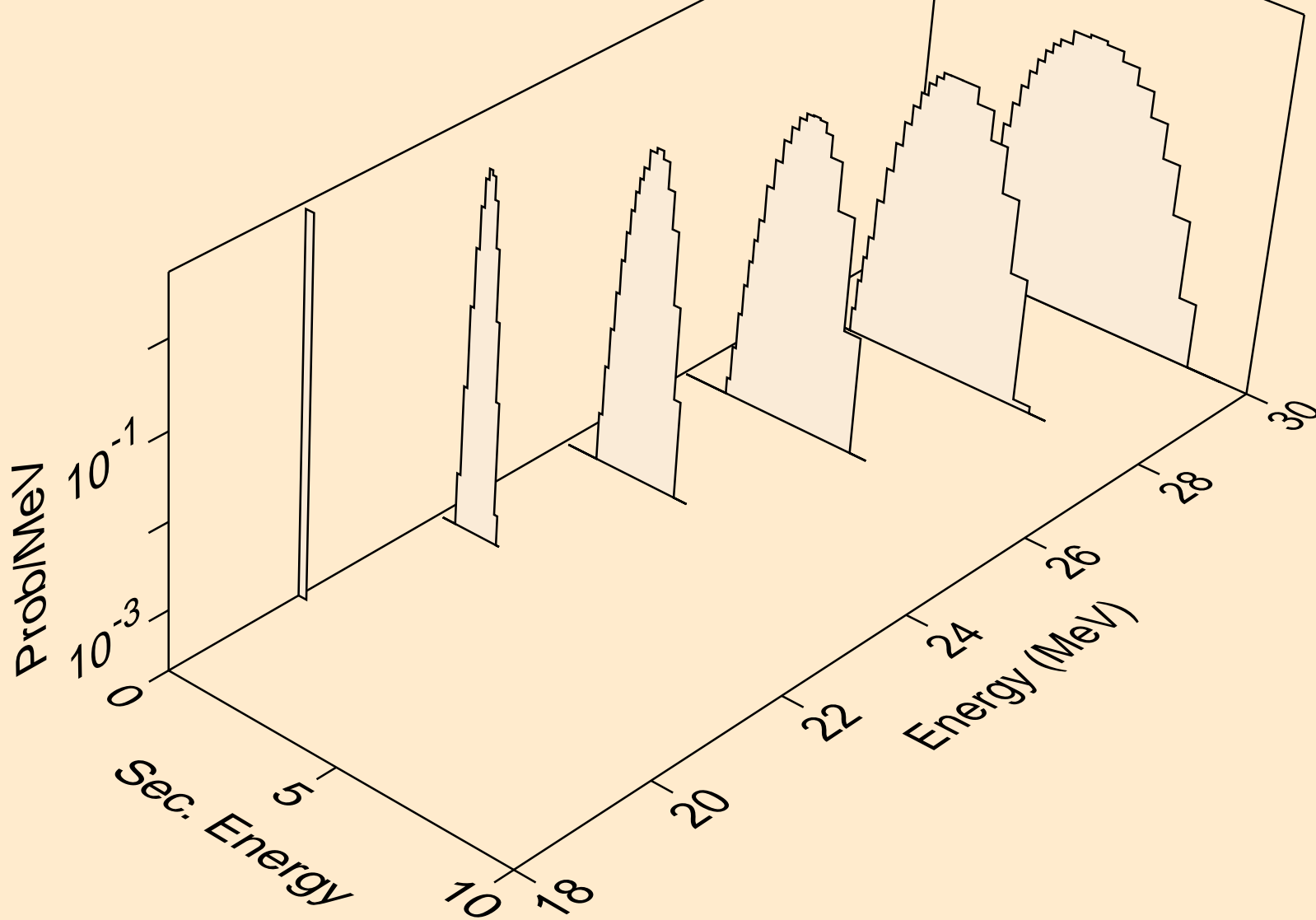
FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,n\*)t



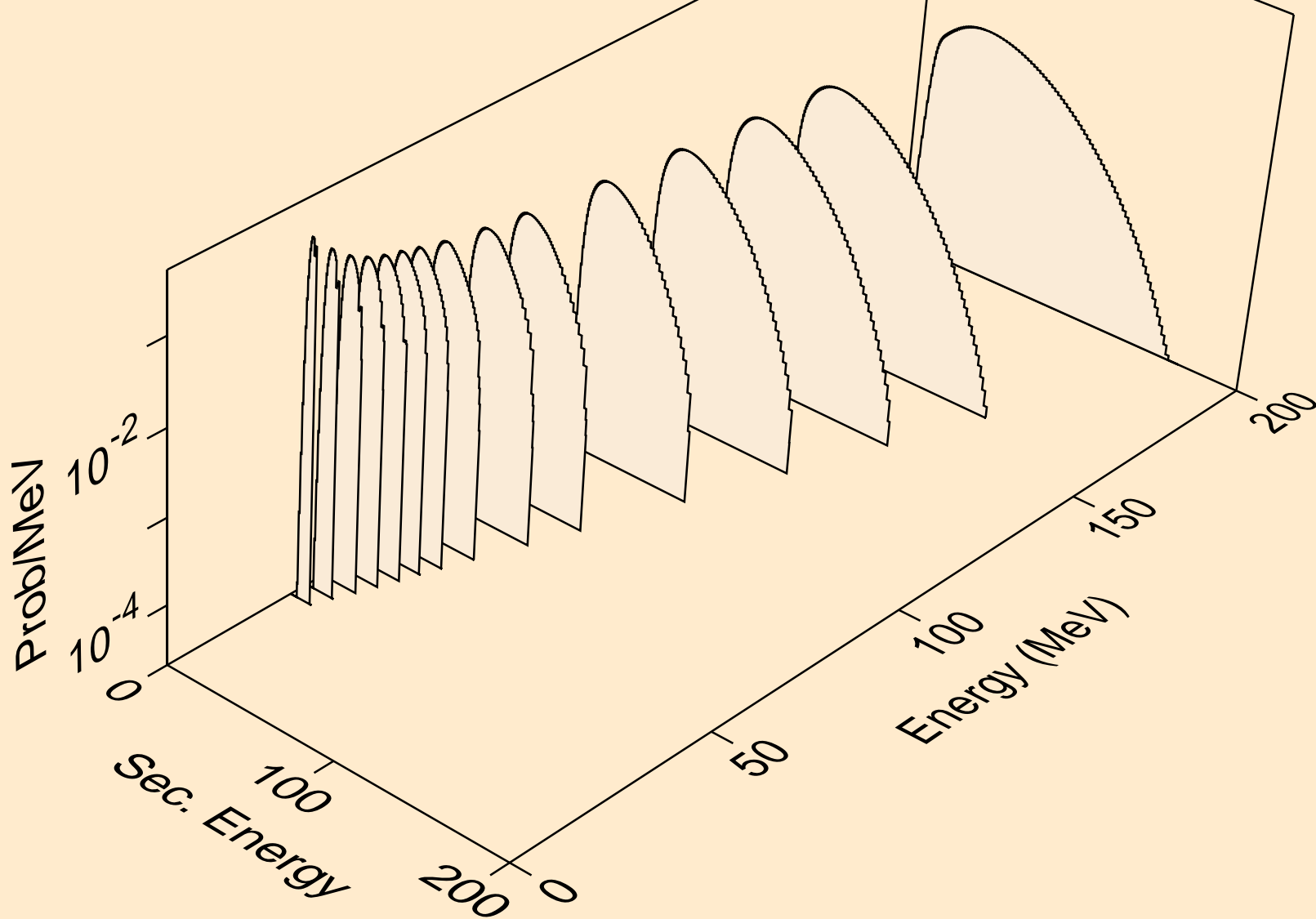
FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,t)



FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,pt)

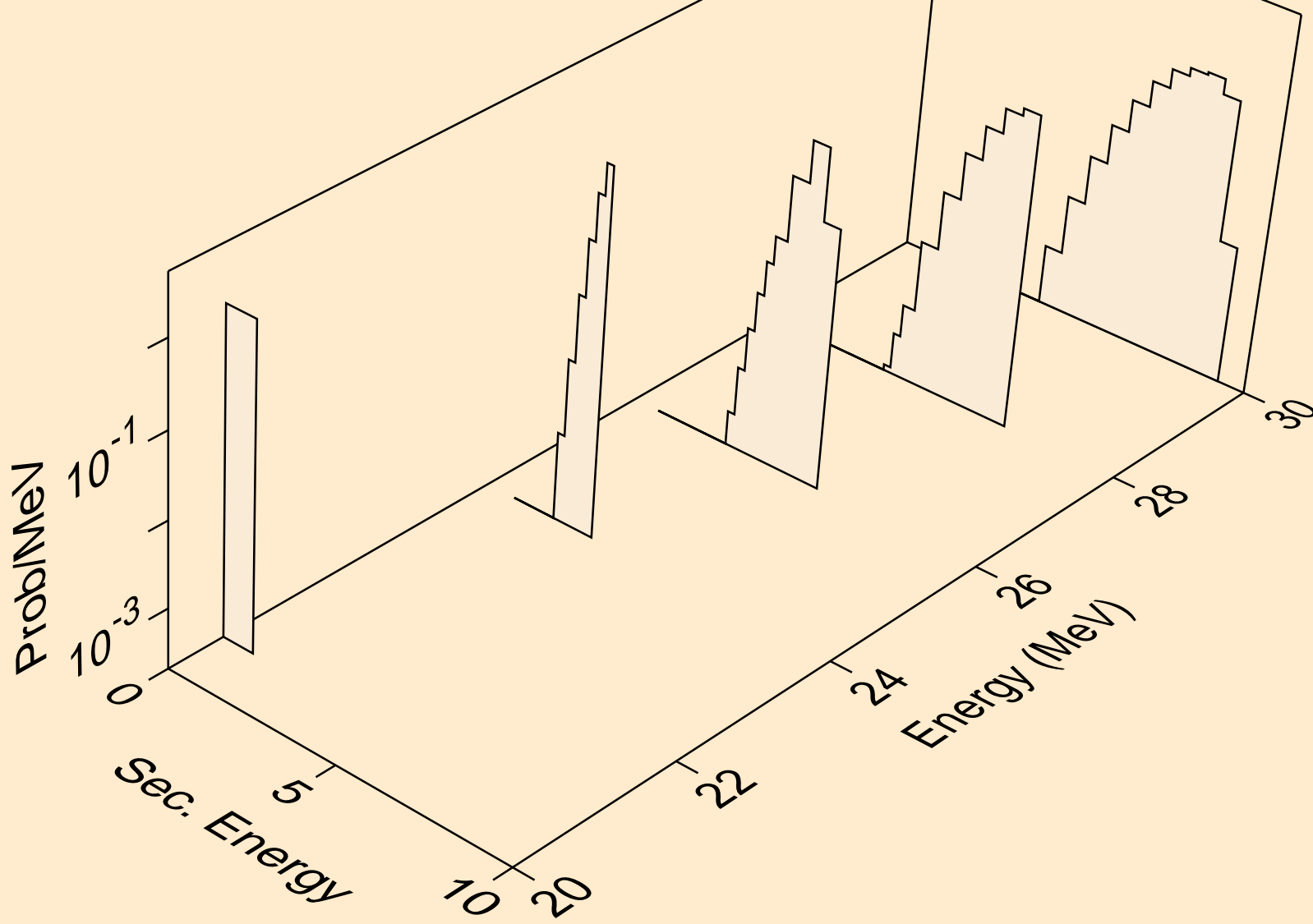


FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,x)

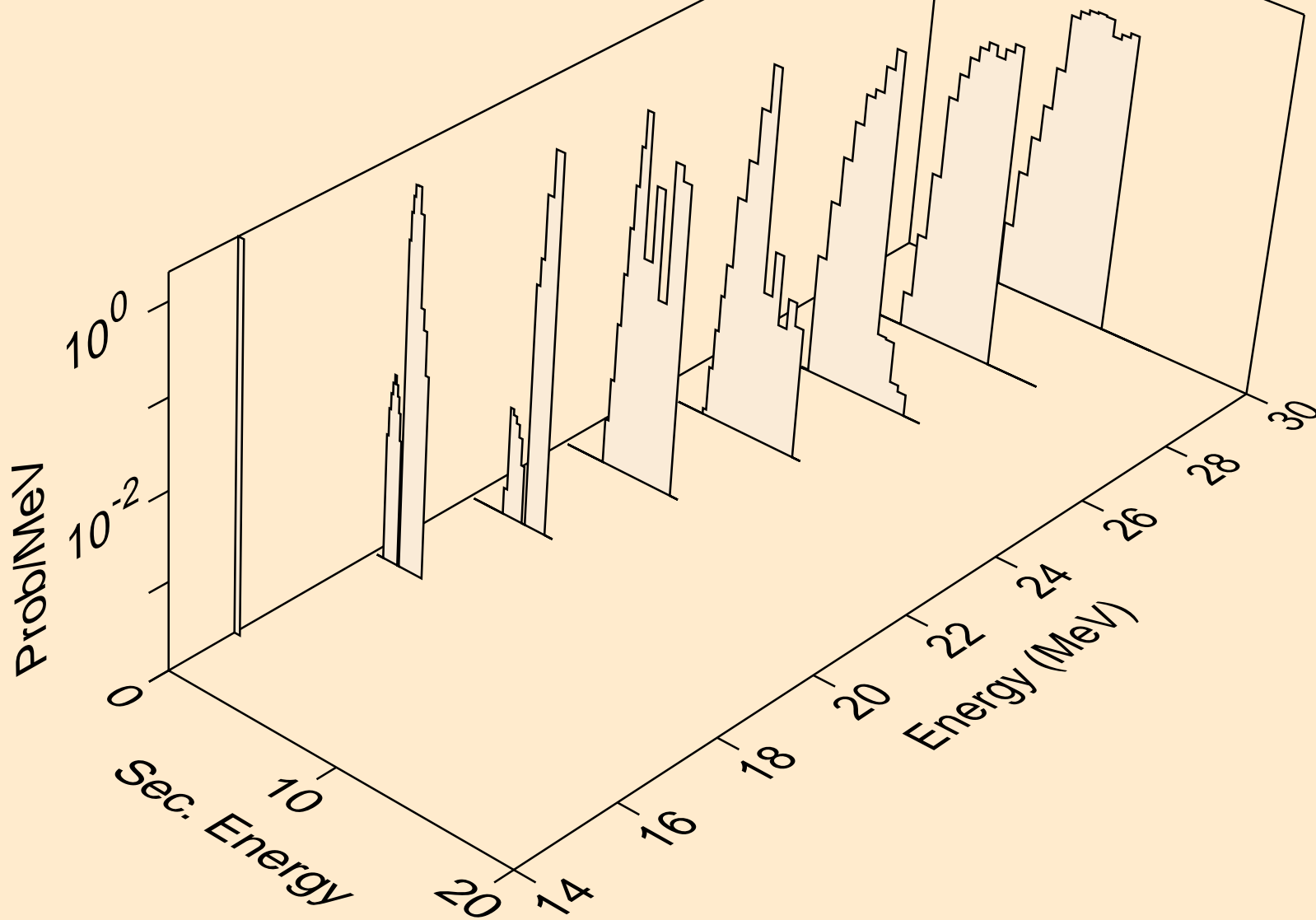




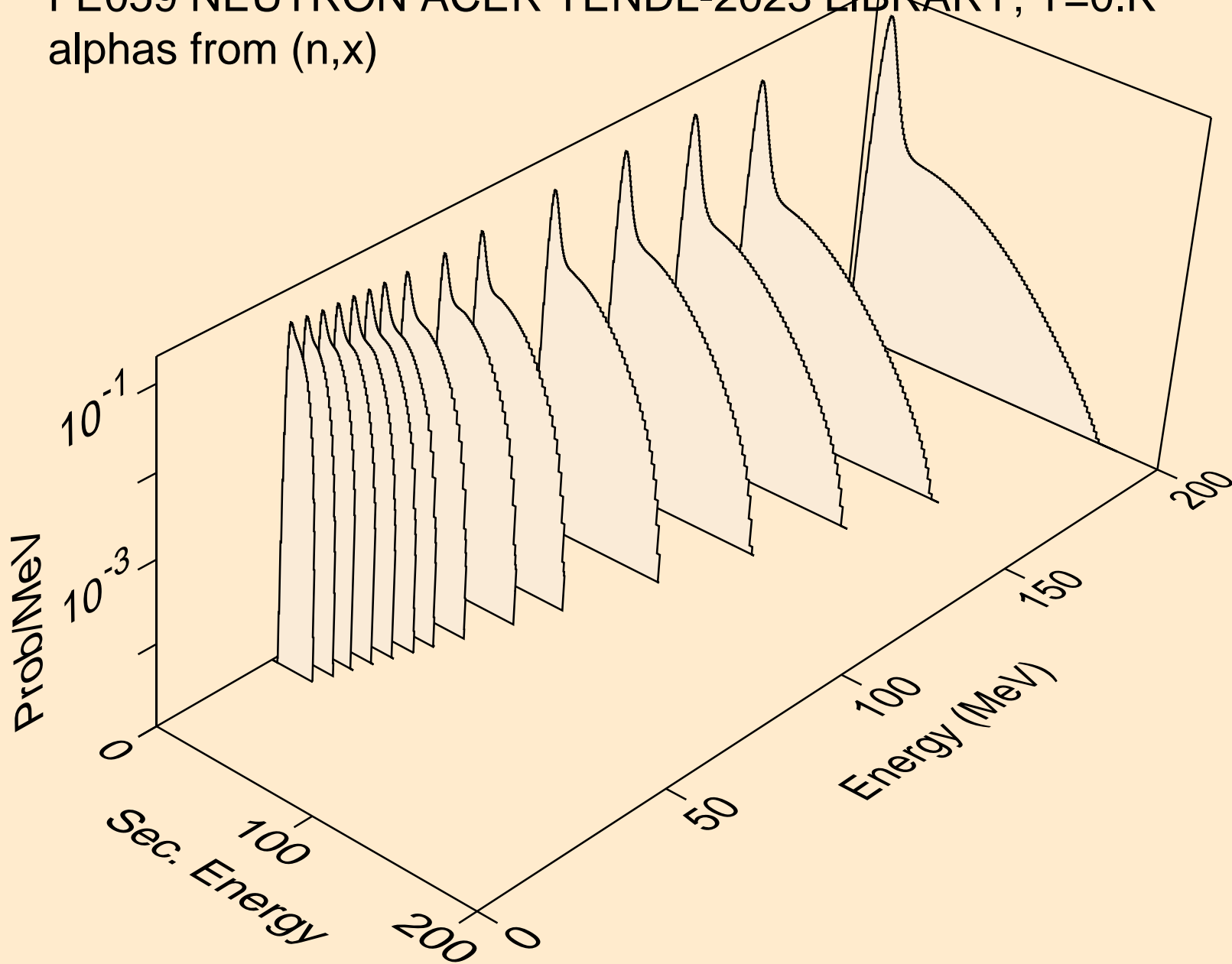
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he3s from (n,n\*)he3



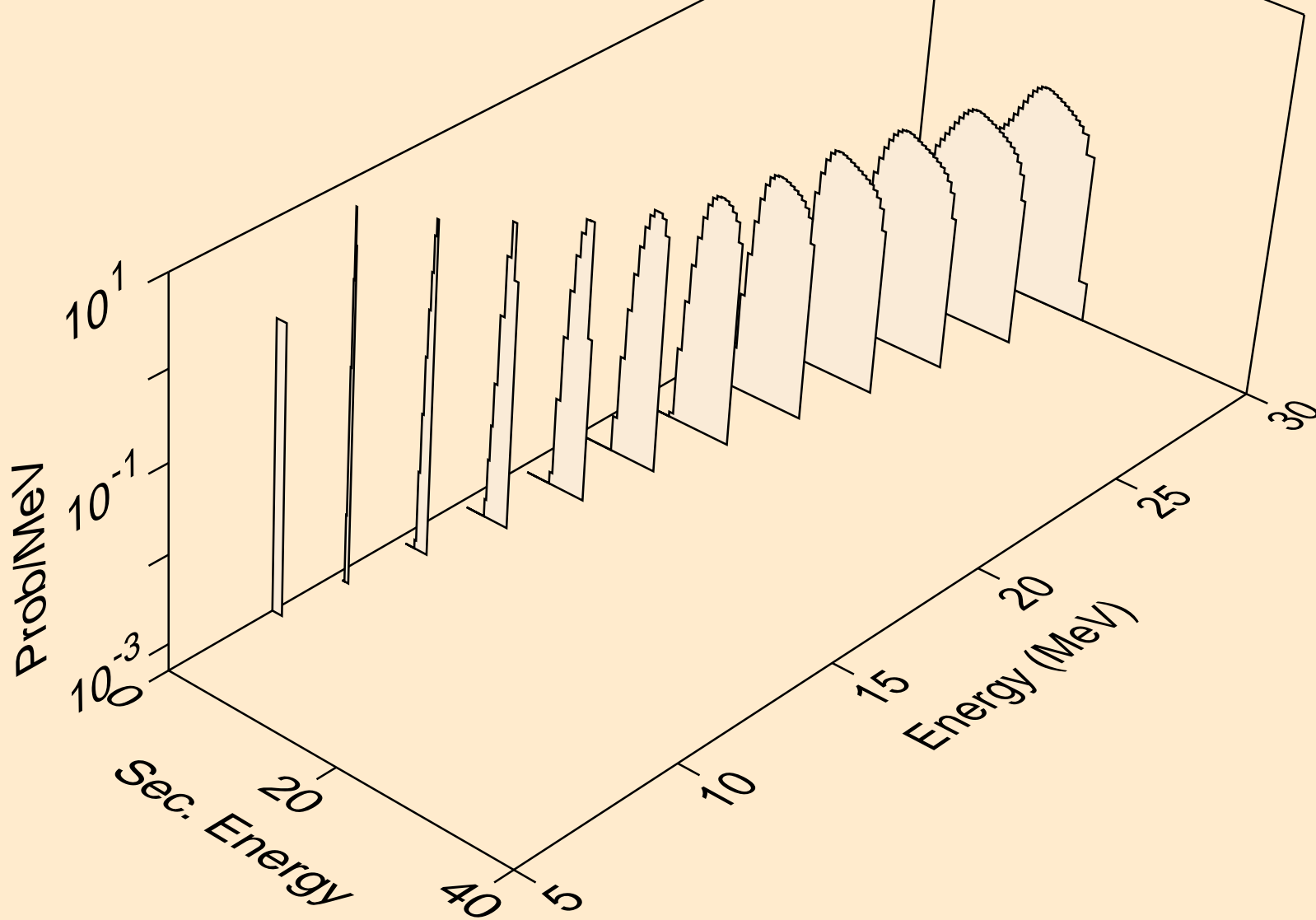
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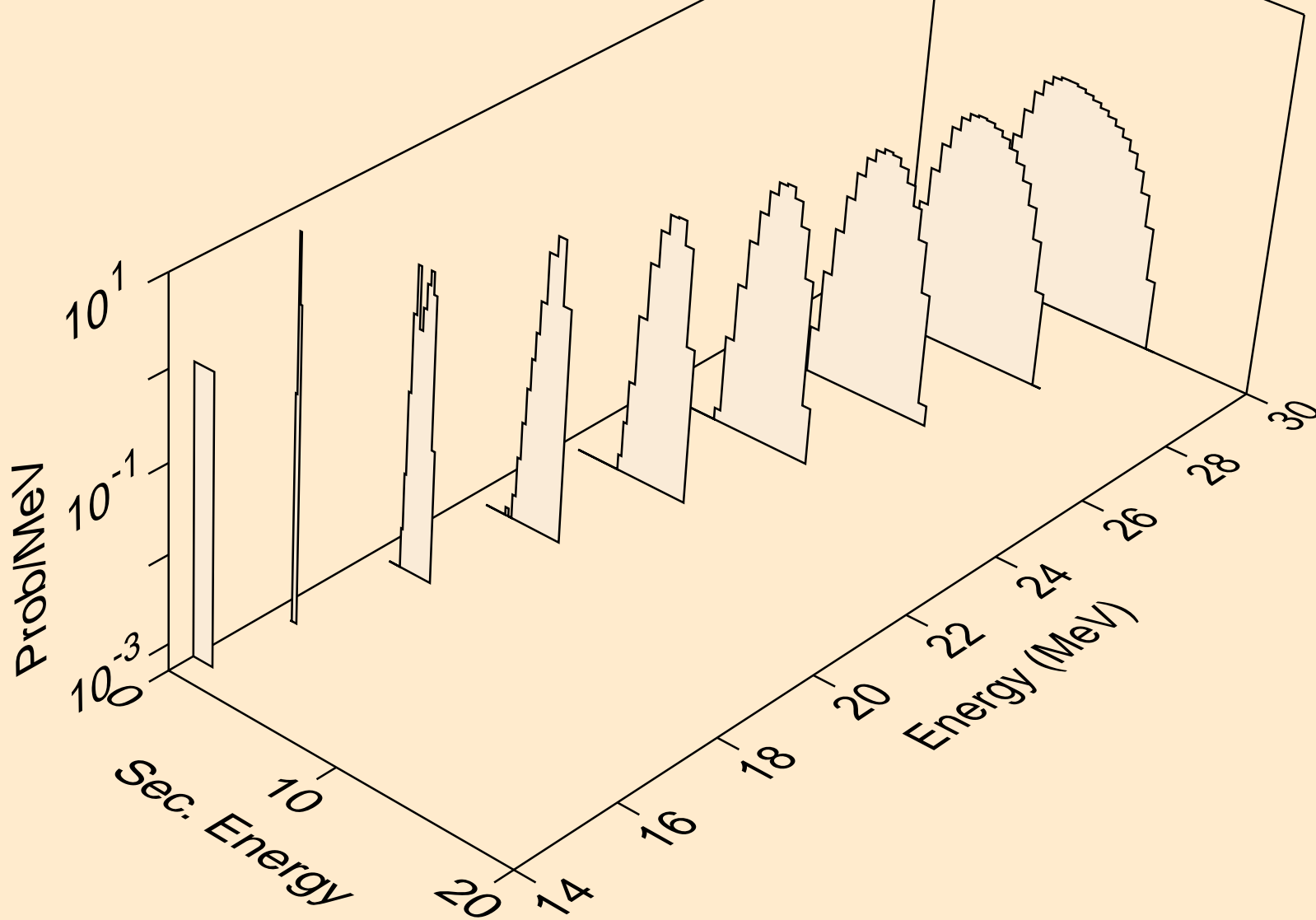
FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,x)



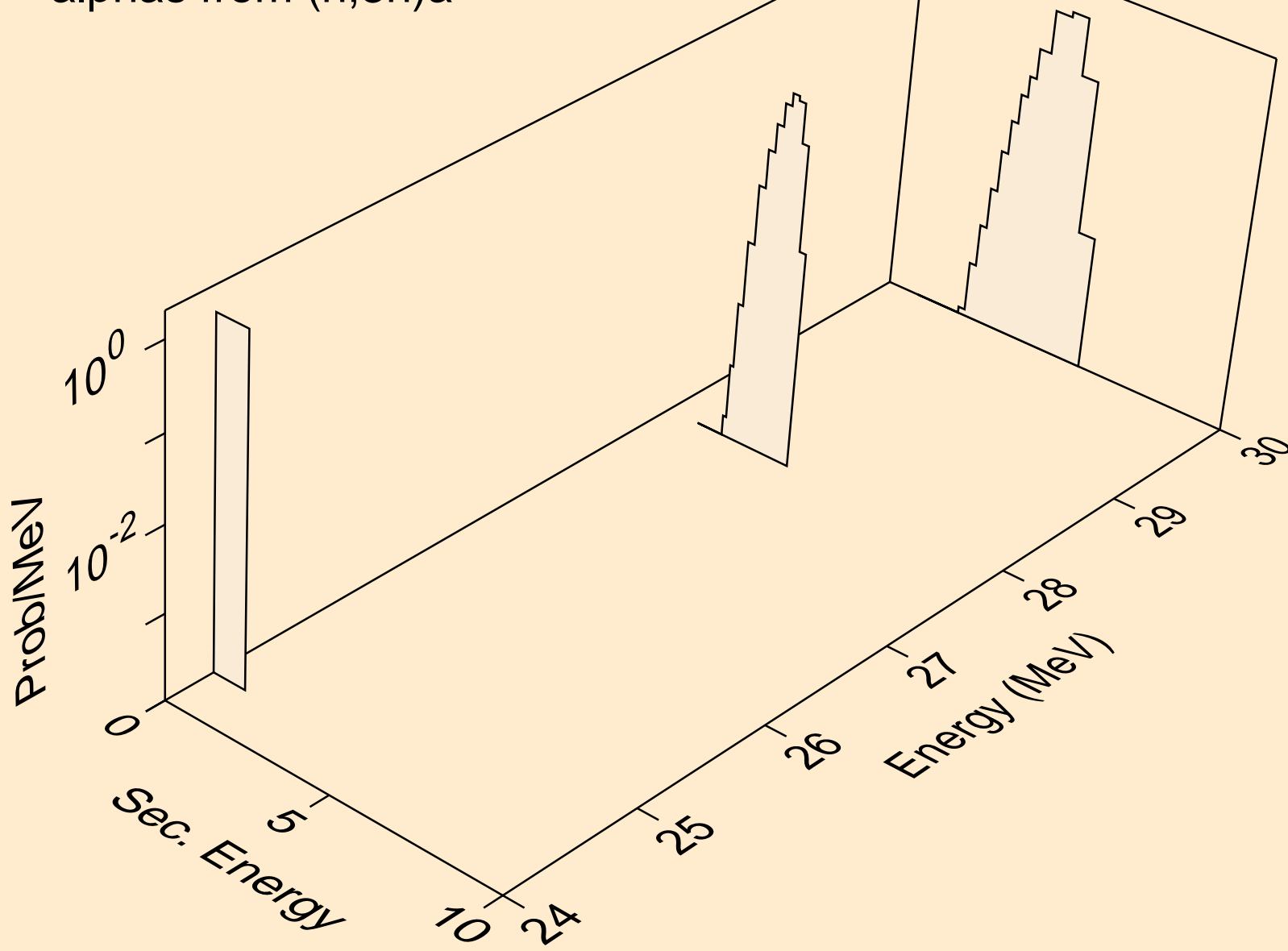
FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)a



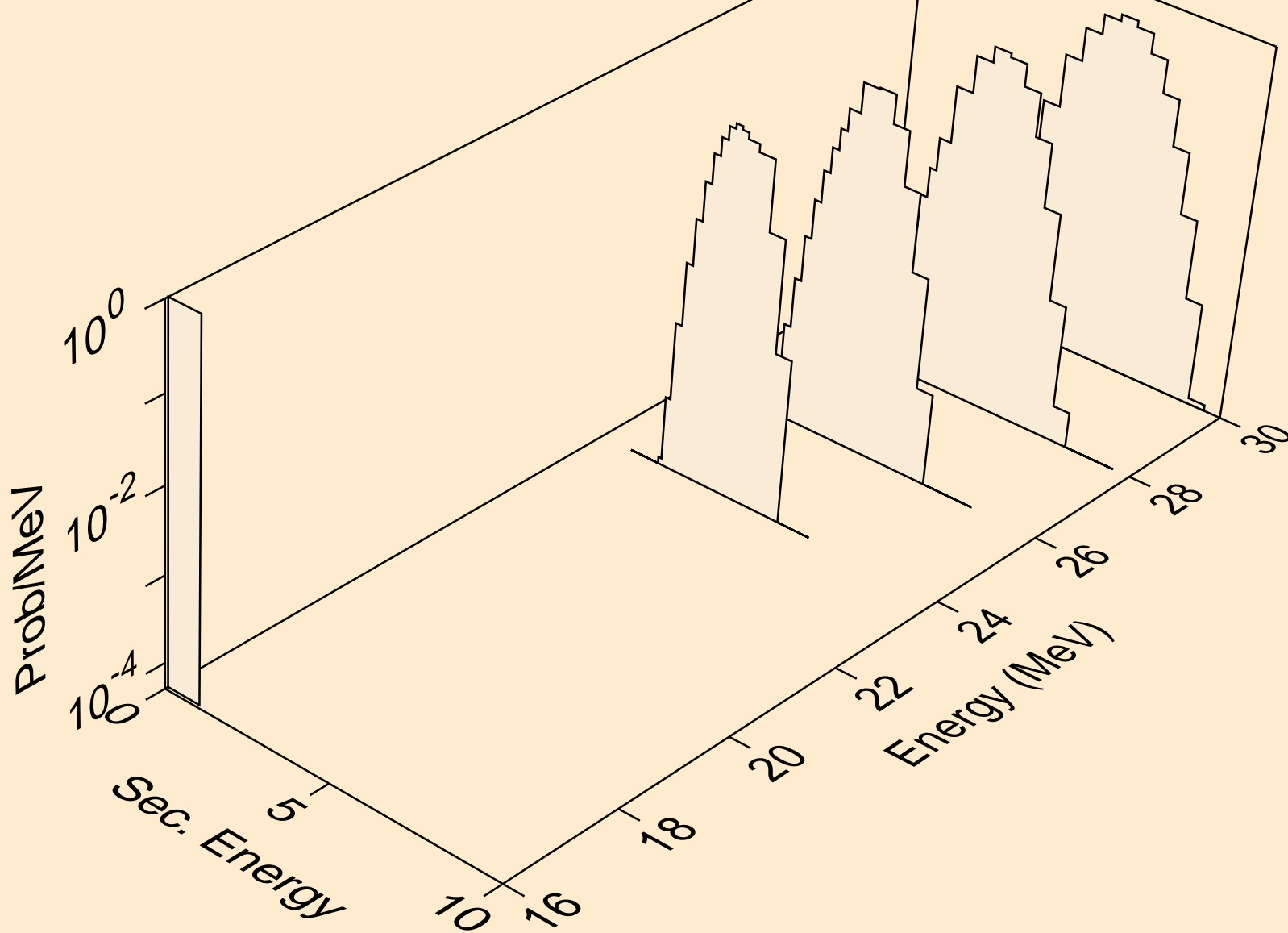
FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2n)a



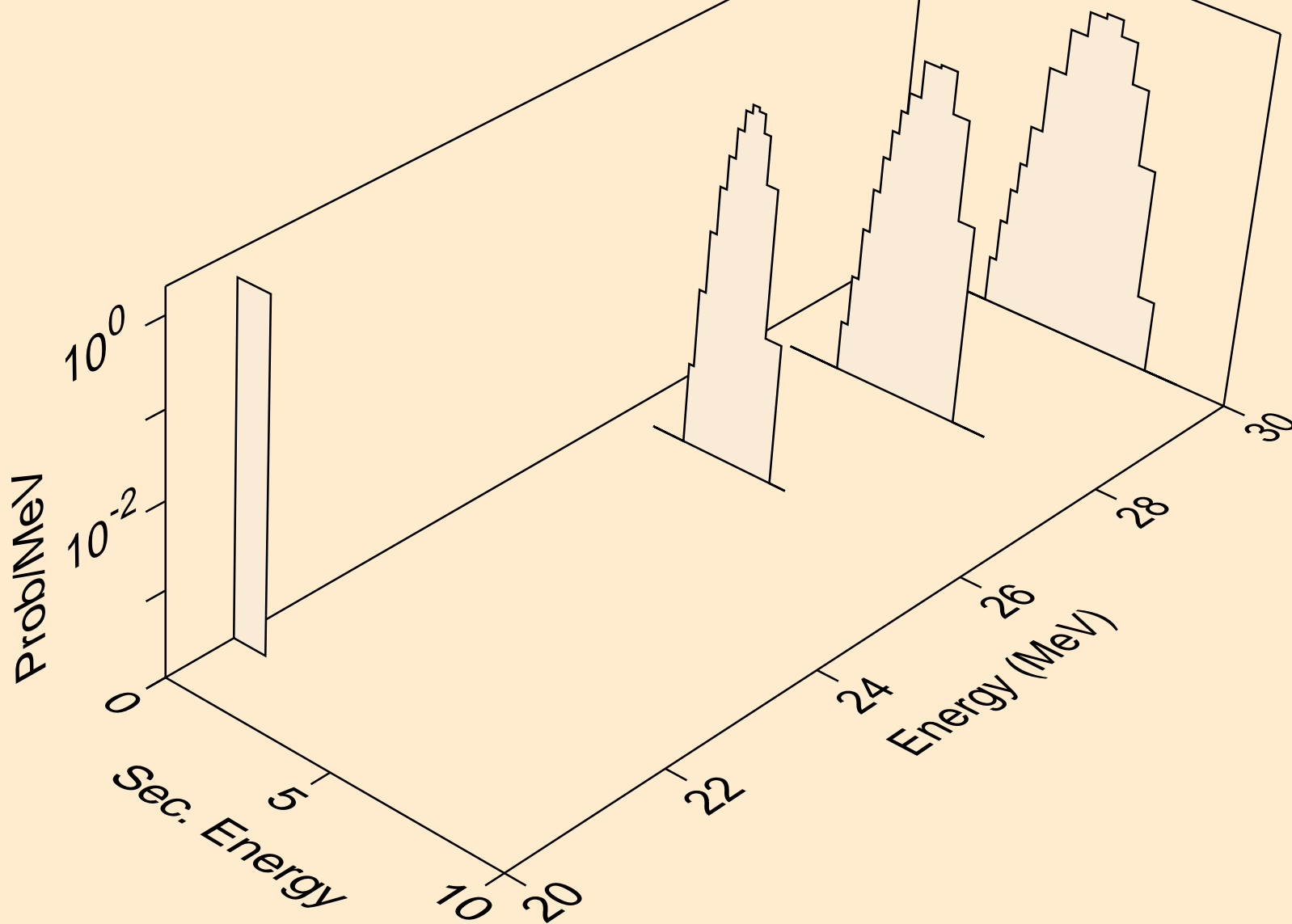
FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,3n)a



FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)2a

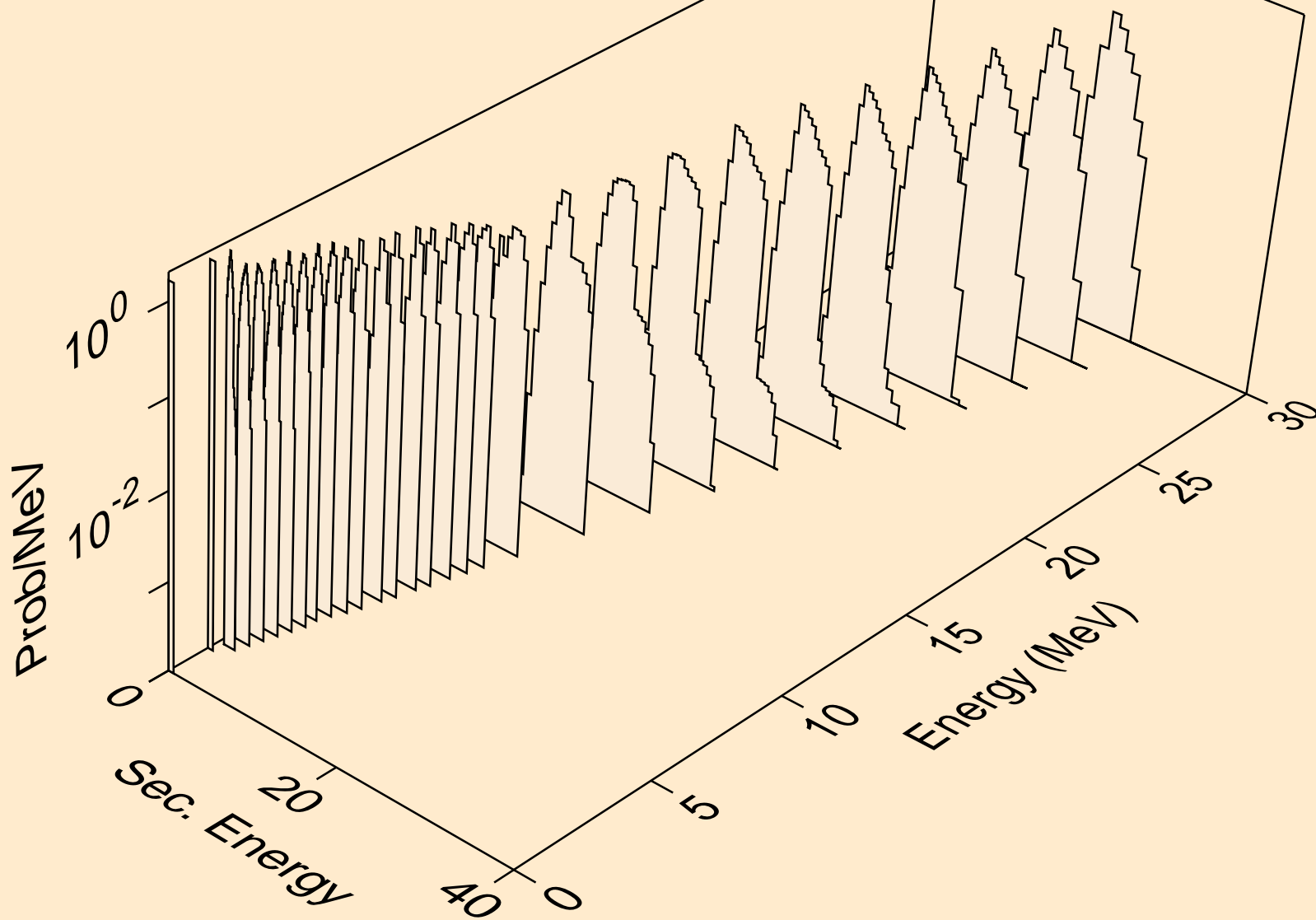


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alphas from (n,npa)

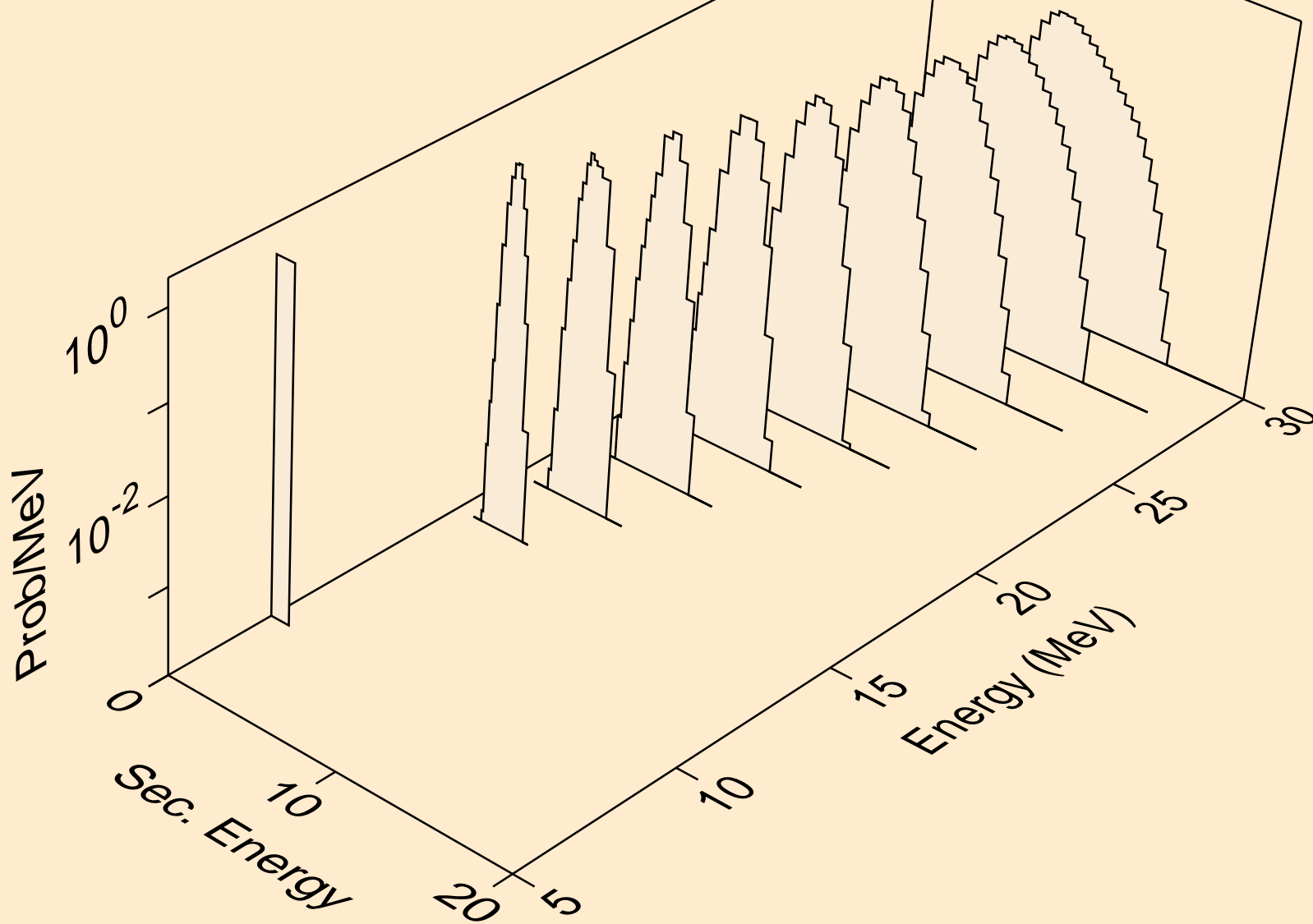




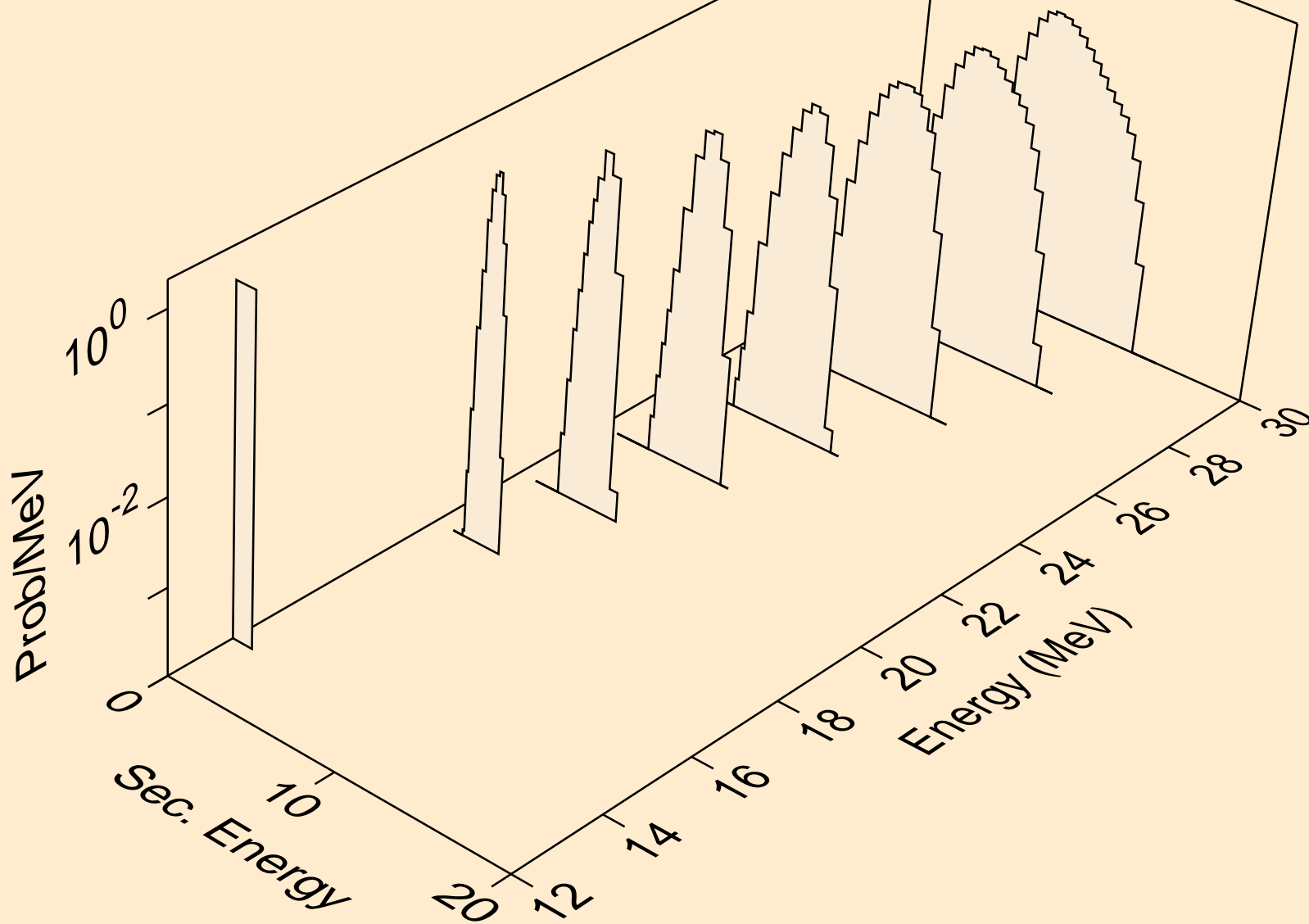
FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,a)



FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2a)



FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,pa)



FE059 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,da)

