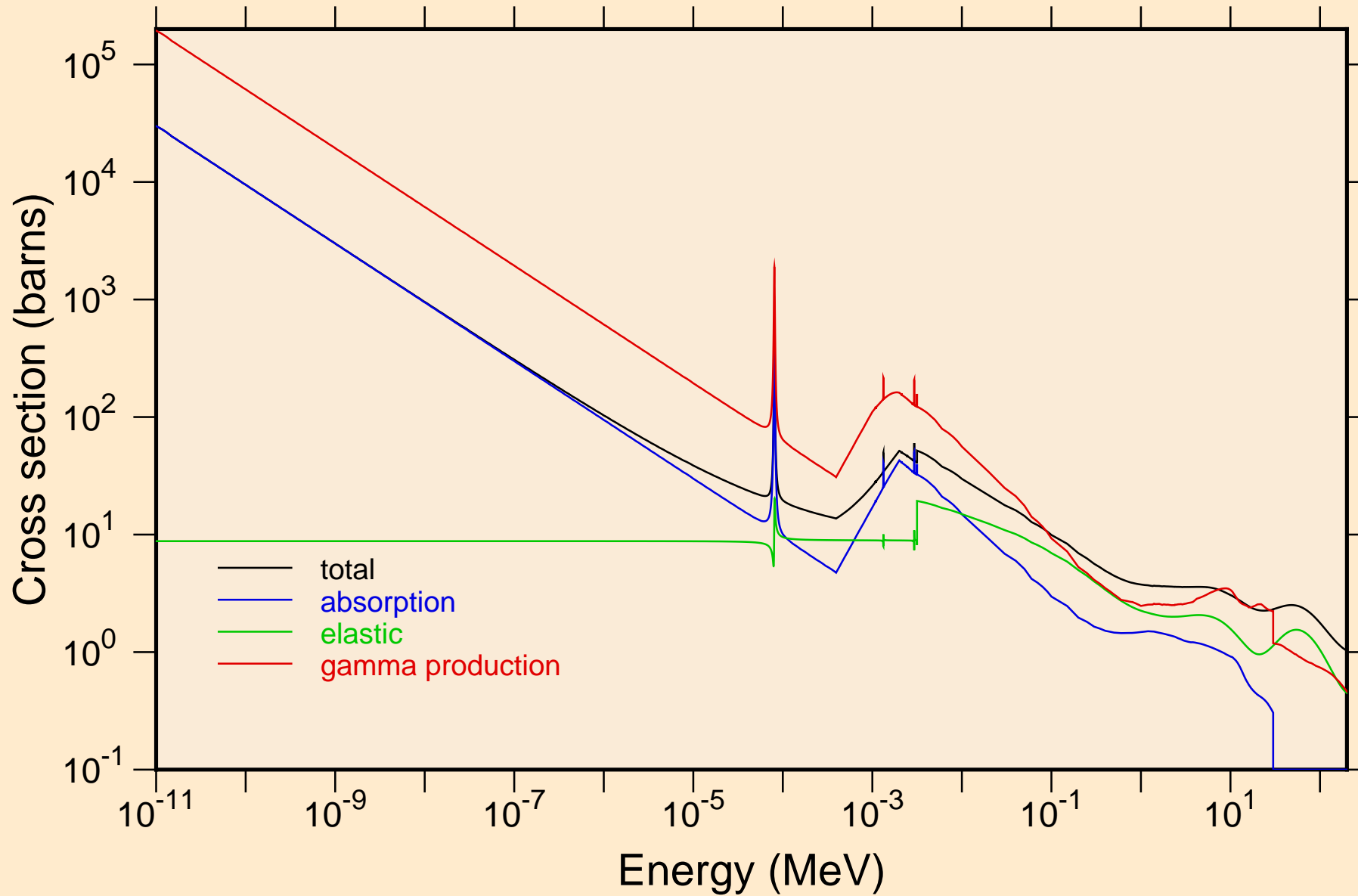
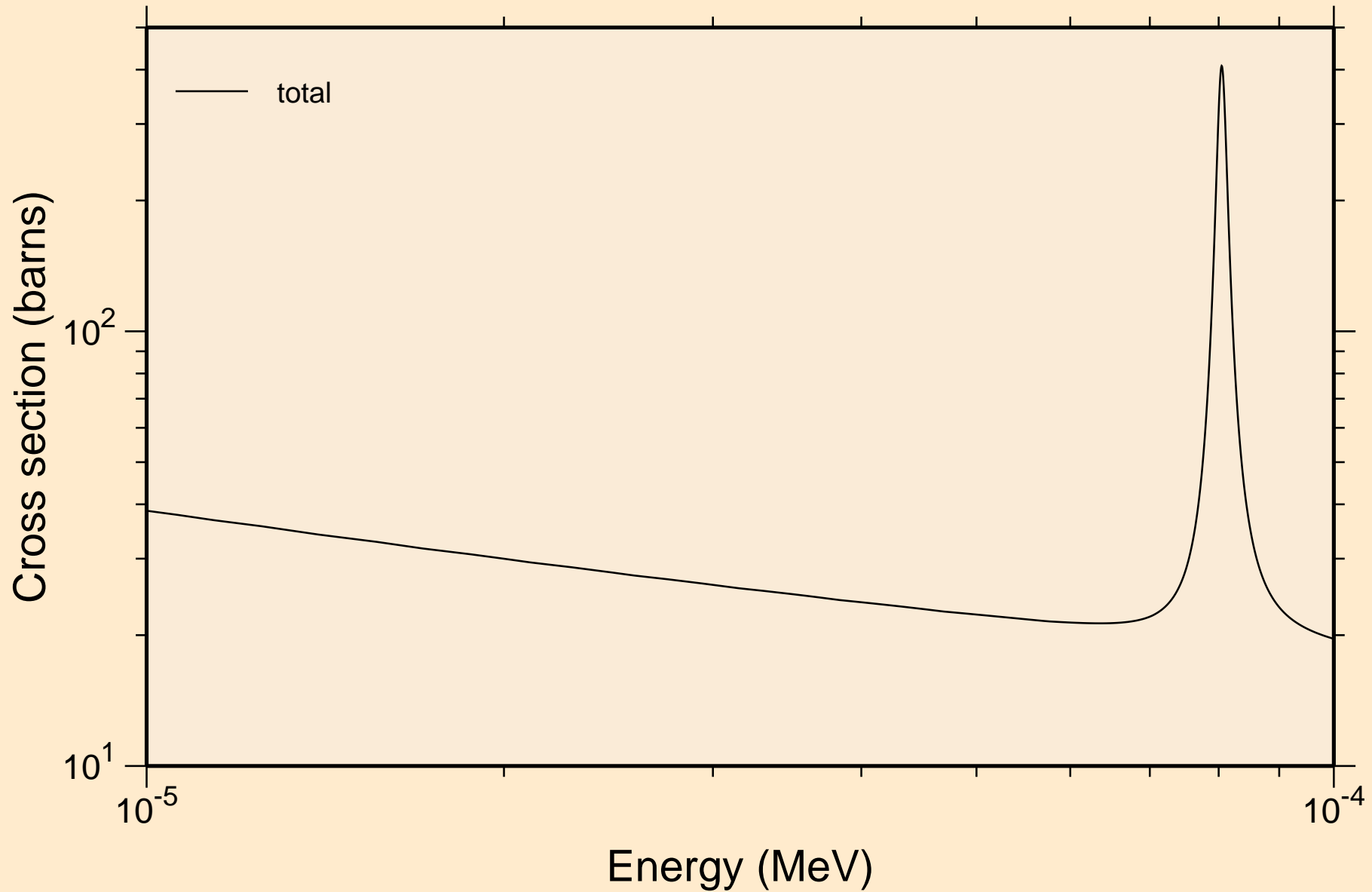


# FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

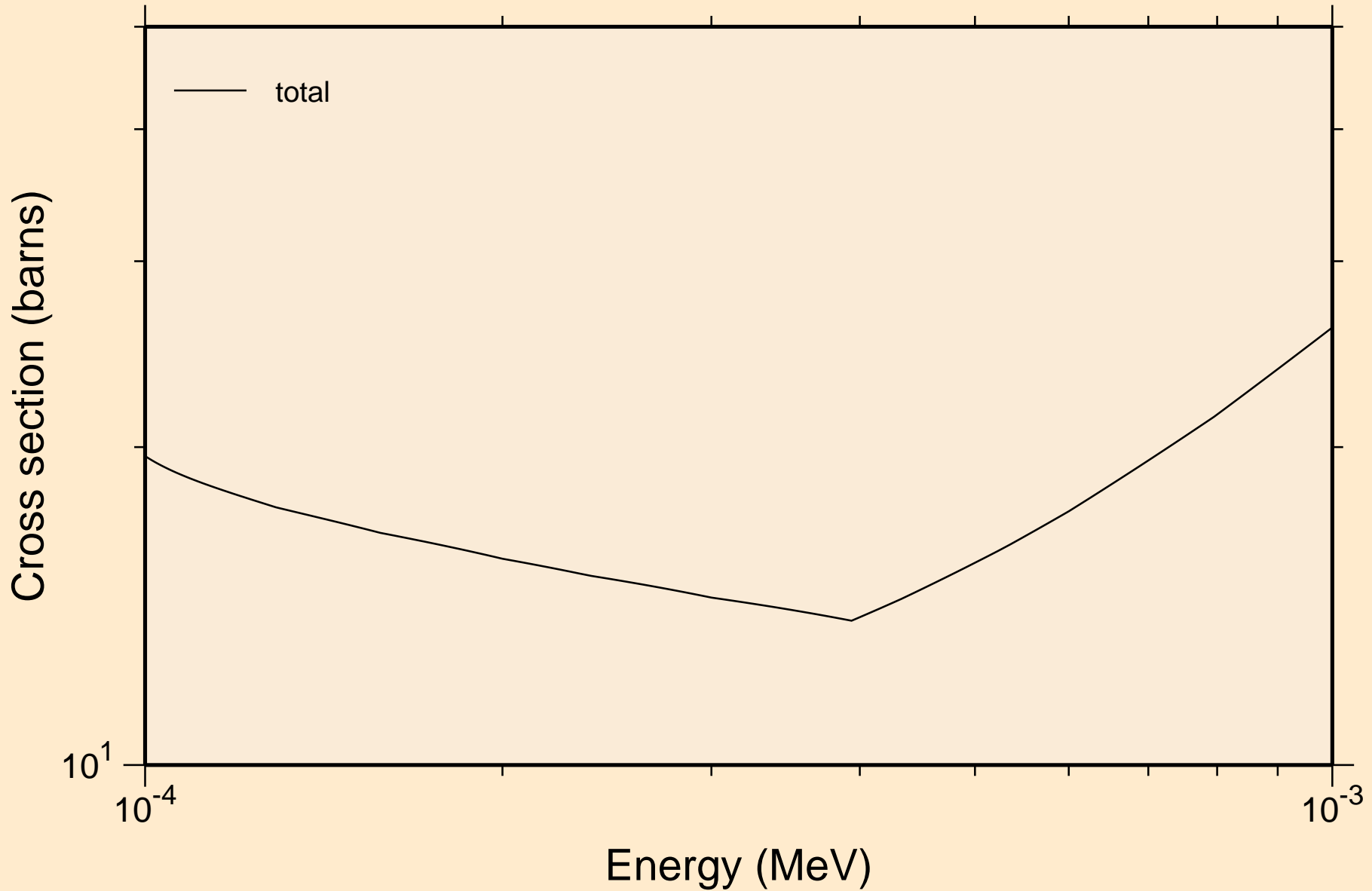
## Principal cross sections



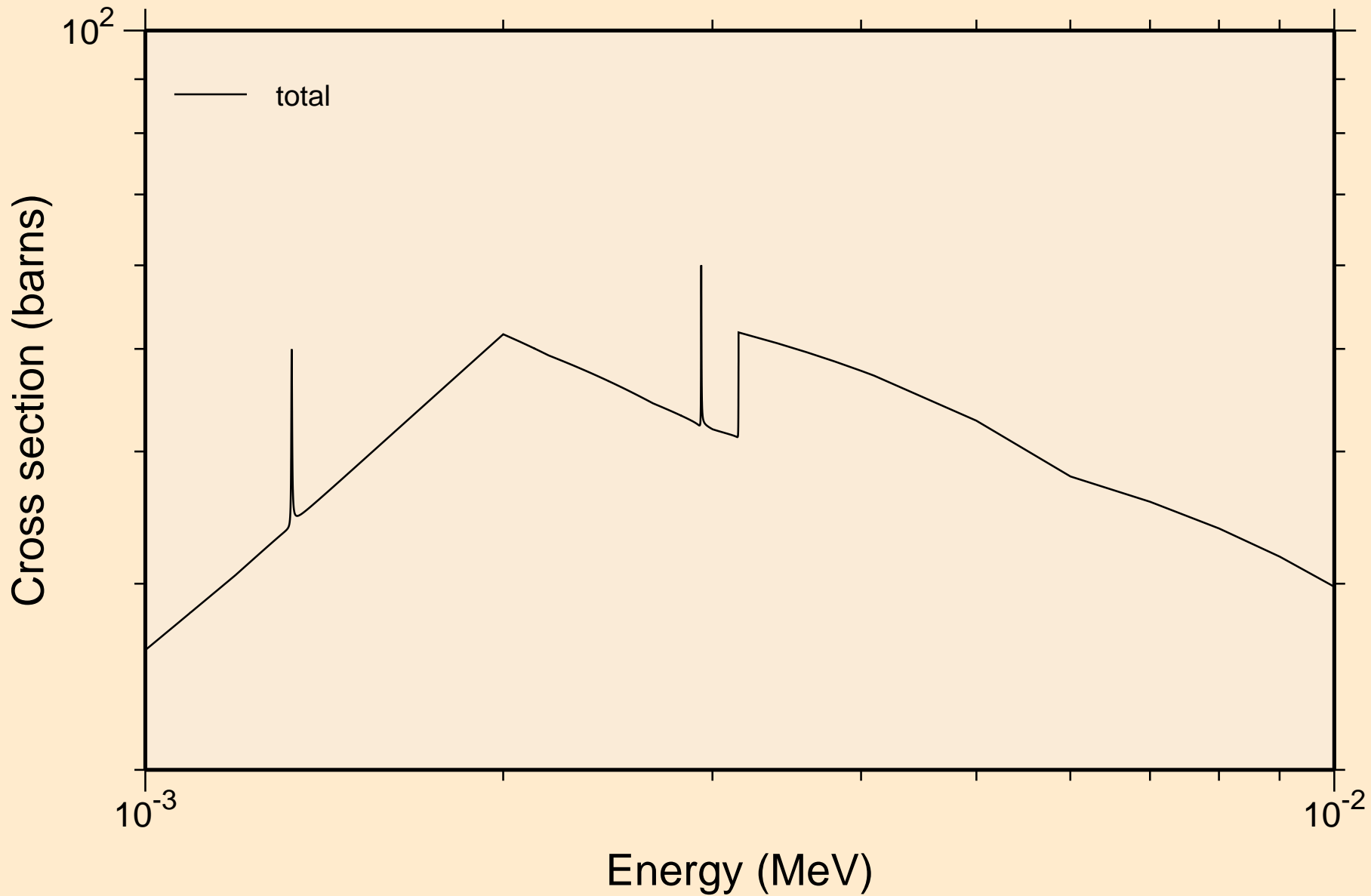
FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



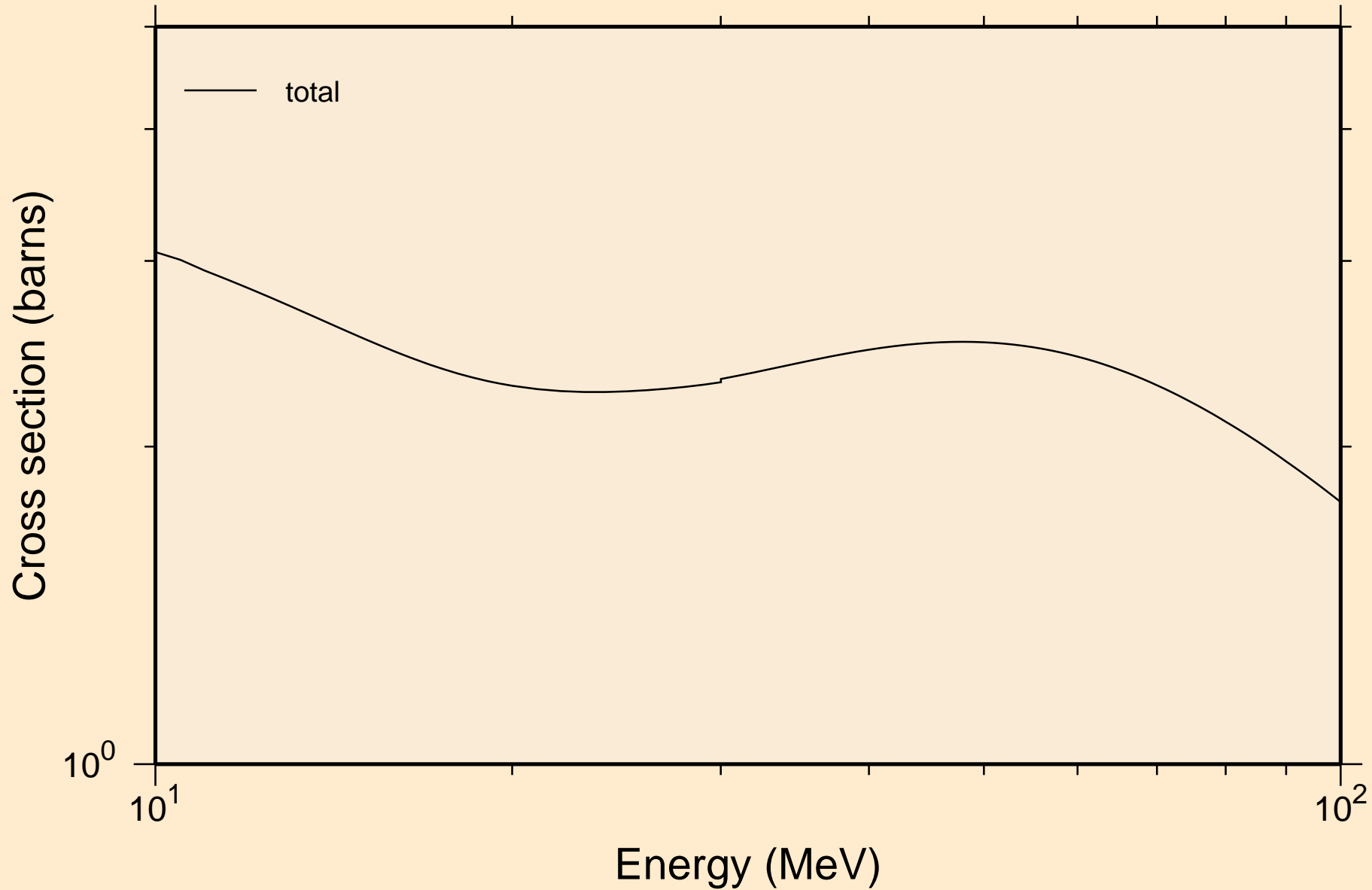
FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



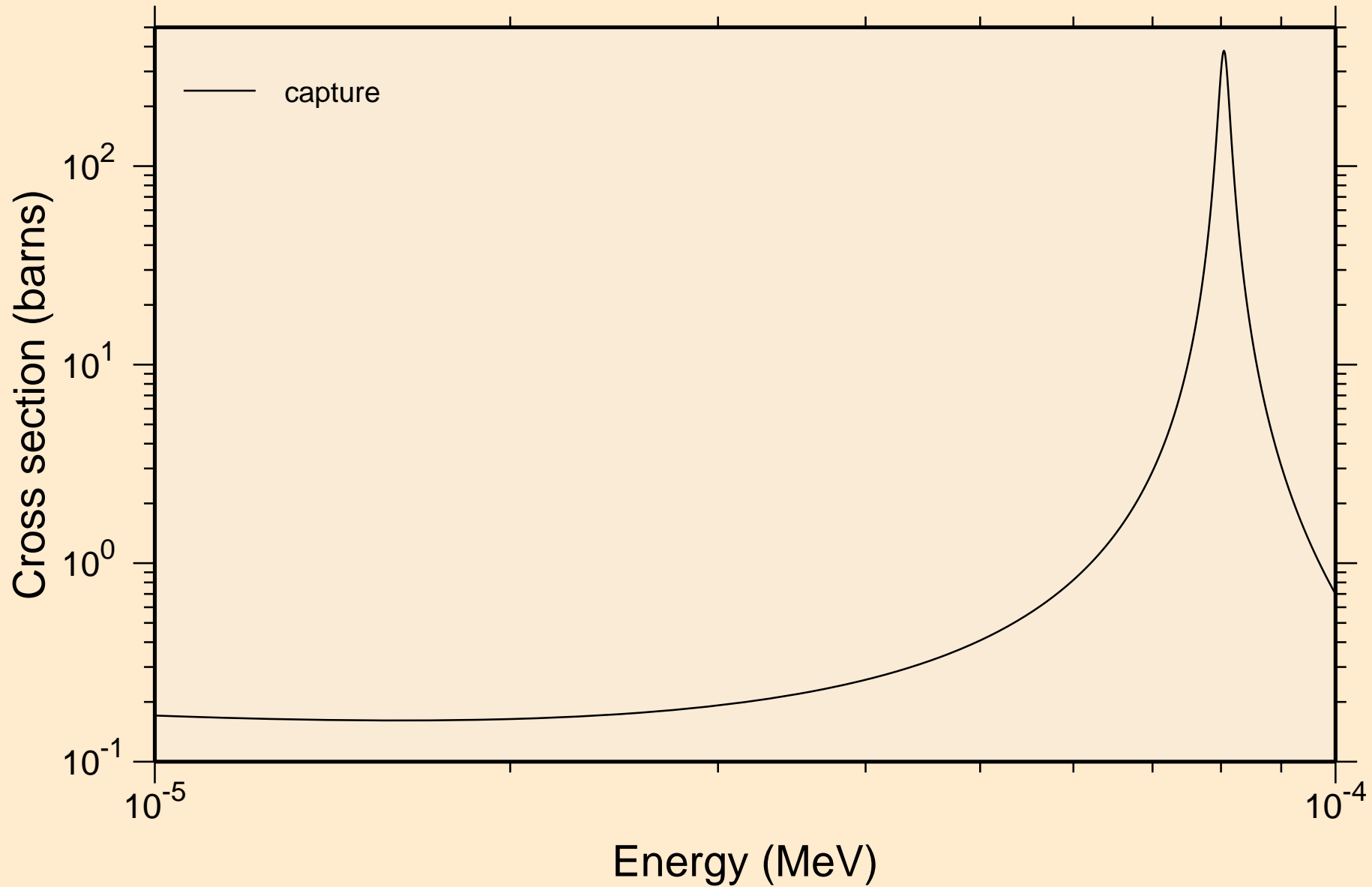
FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



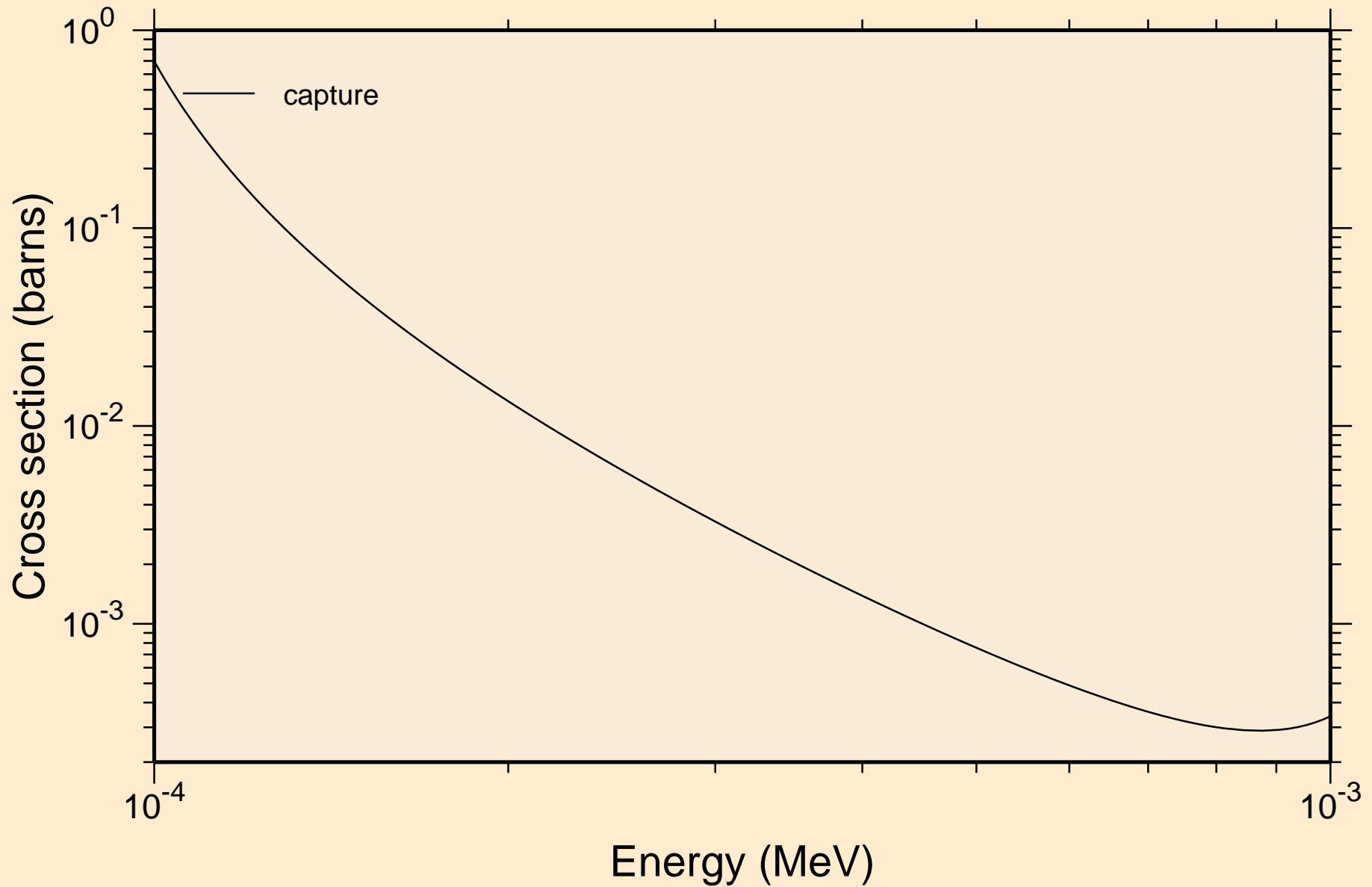
FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



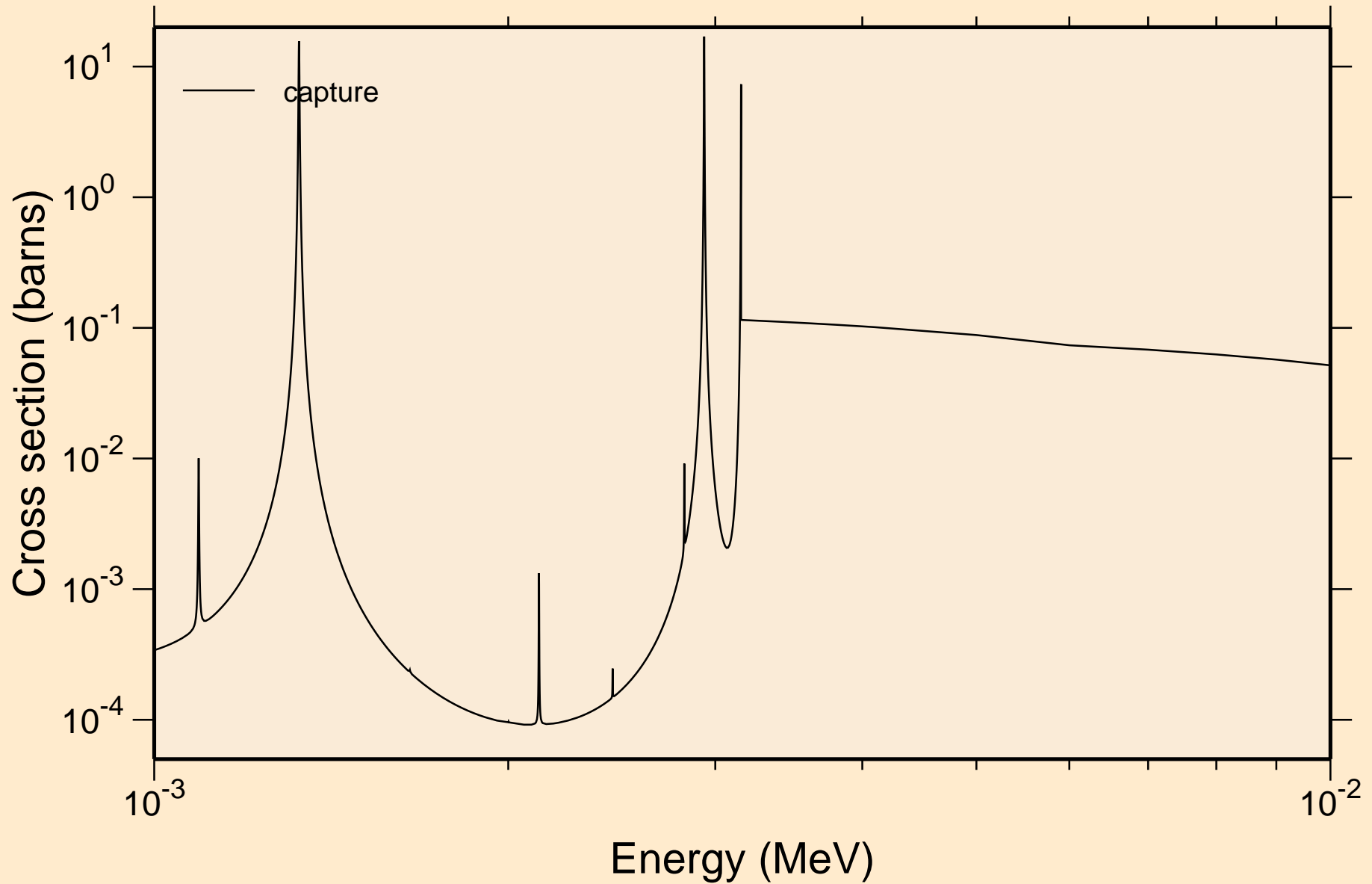
FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections

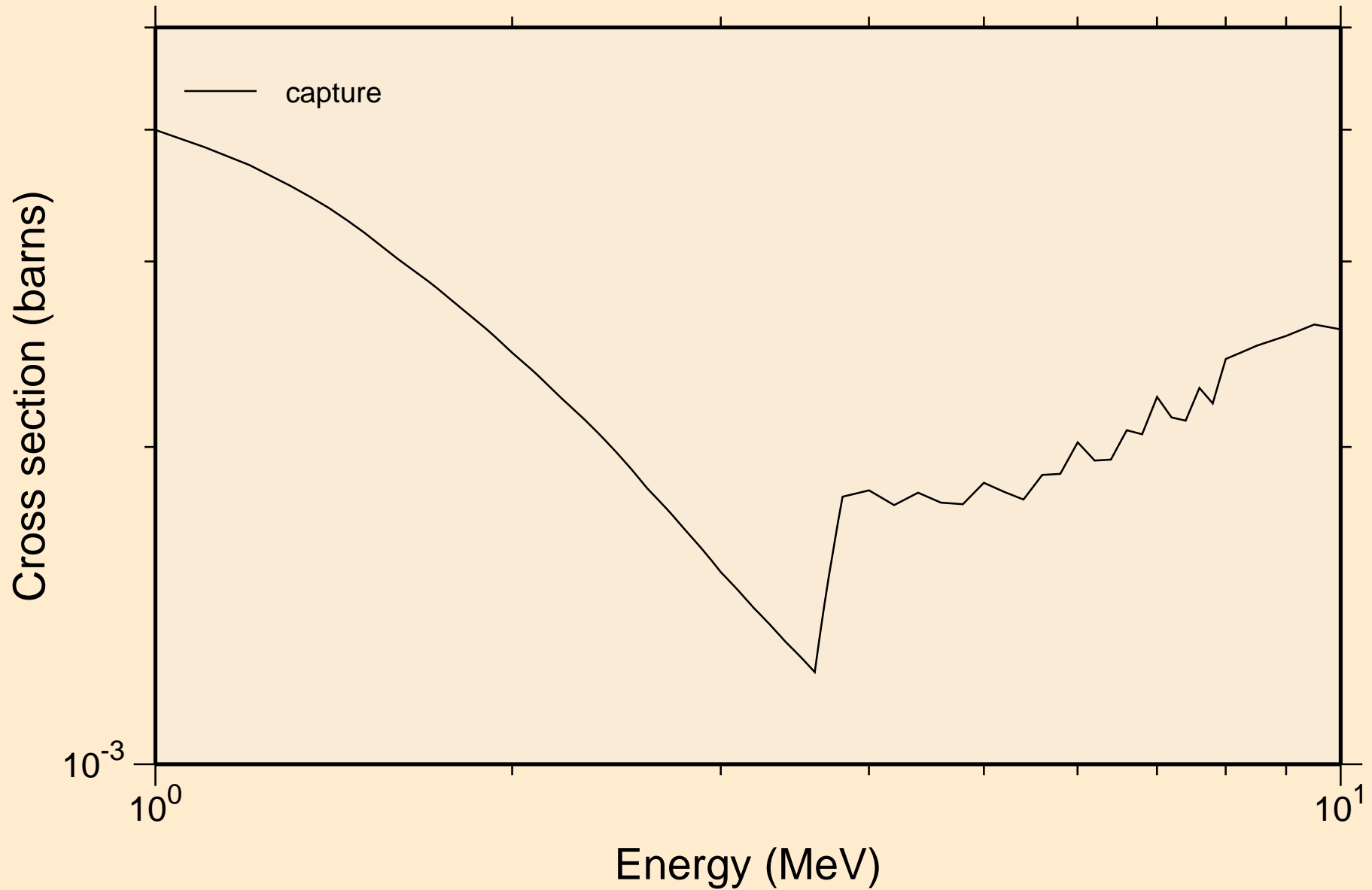


FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



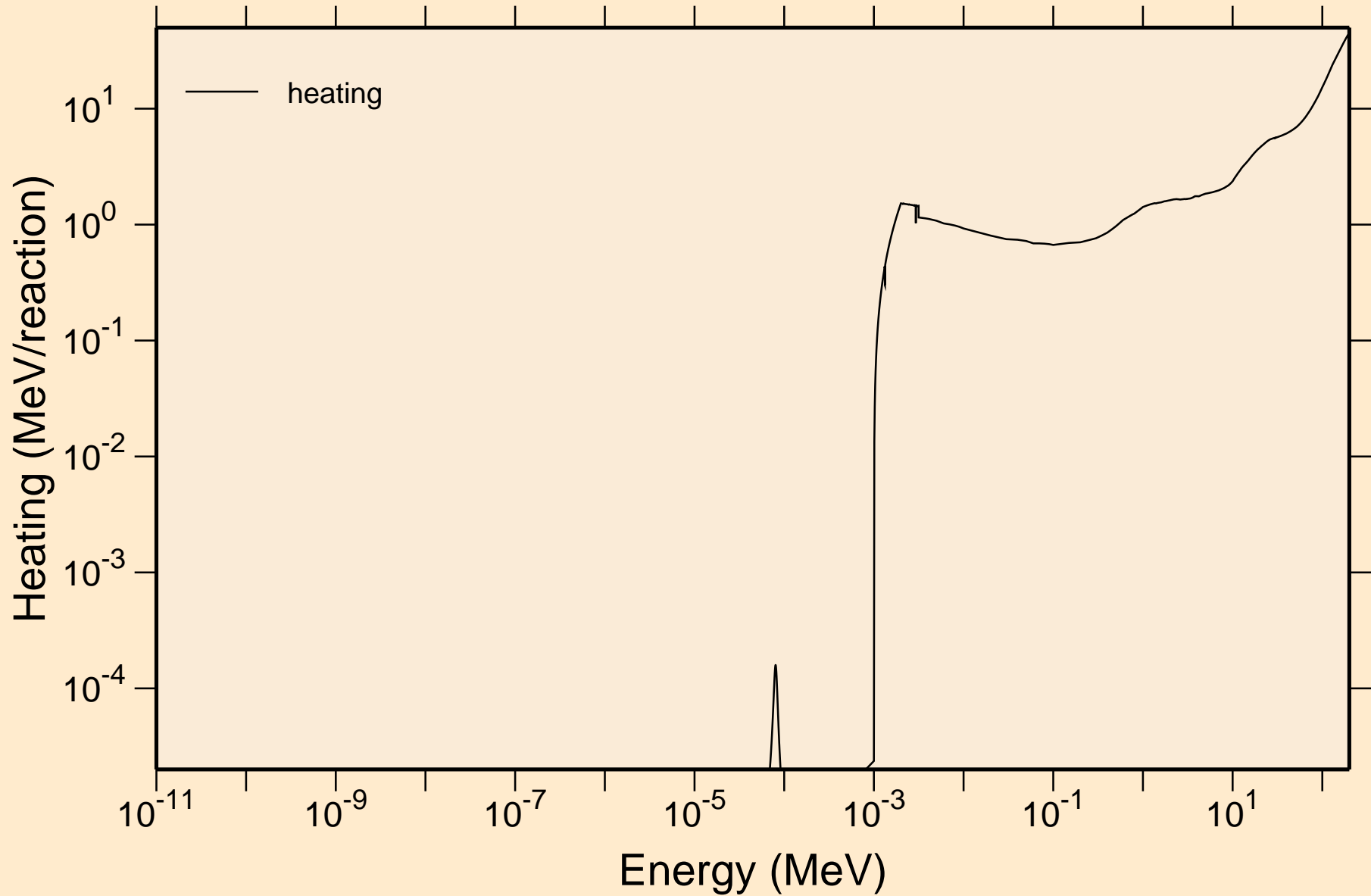


FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



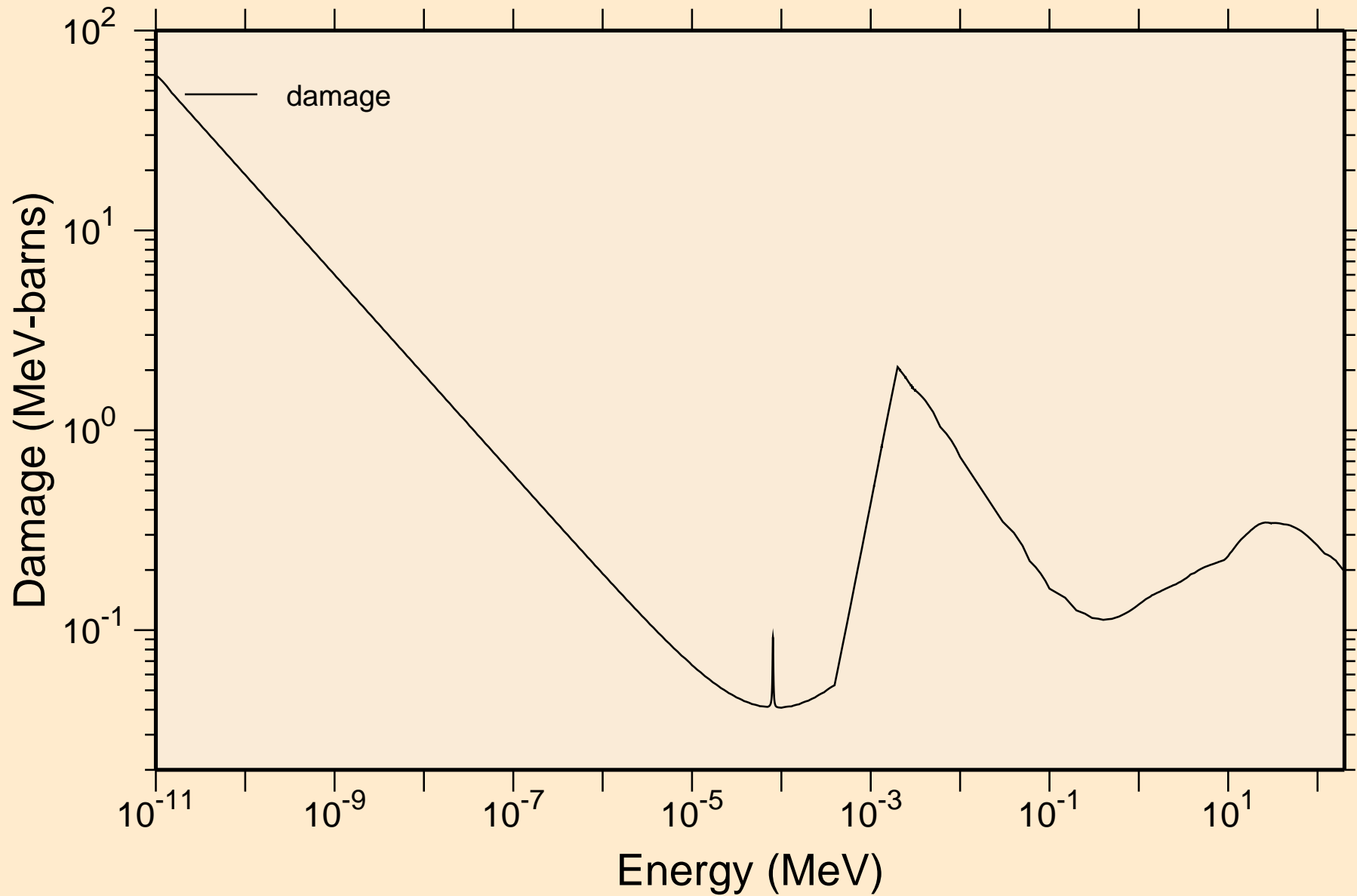
# FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Heating



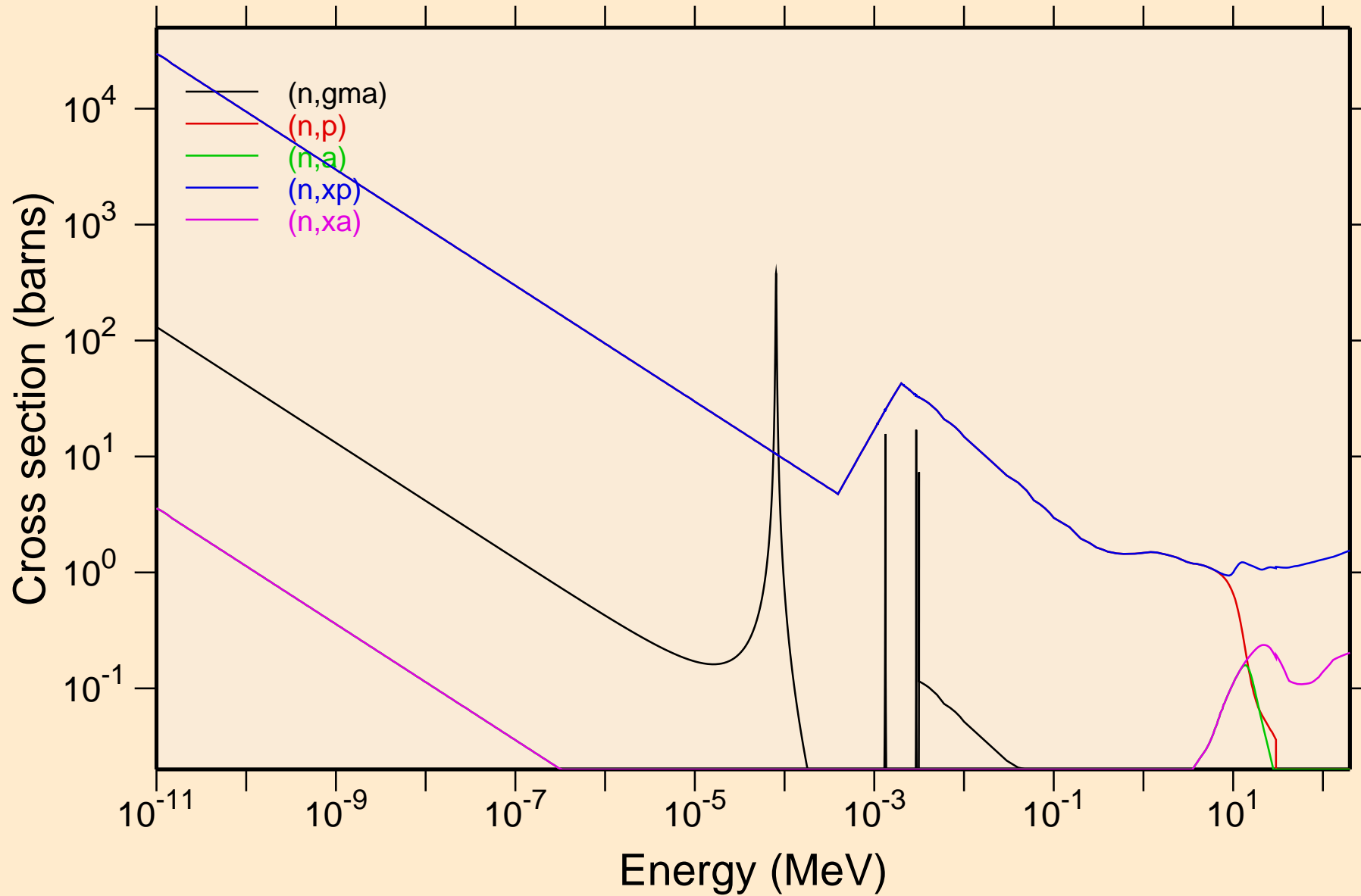
# FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Damage



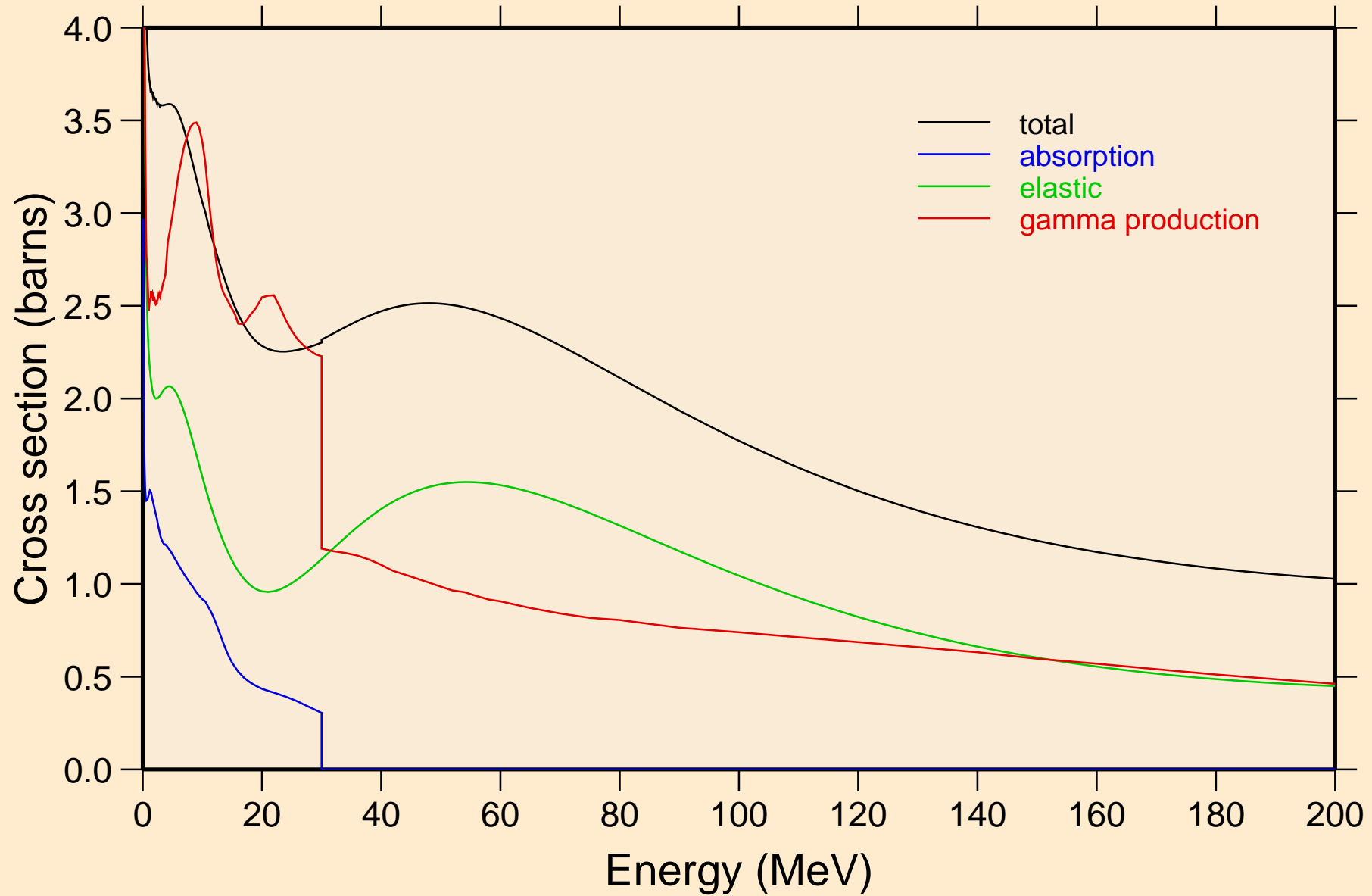
# FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Non-threshold reactions



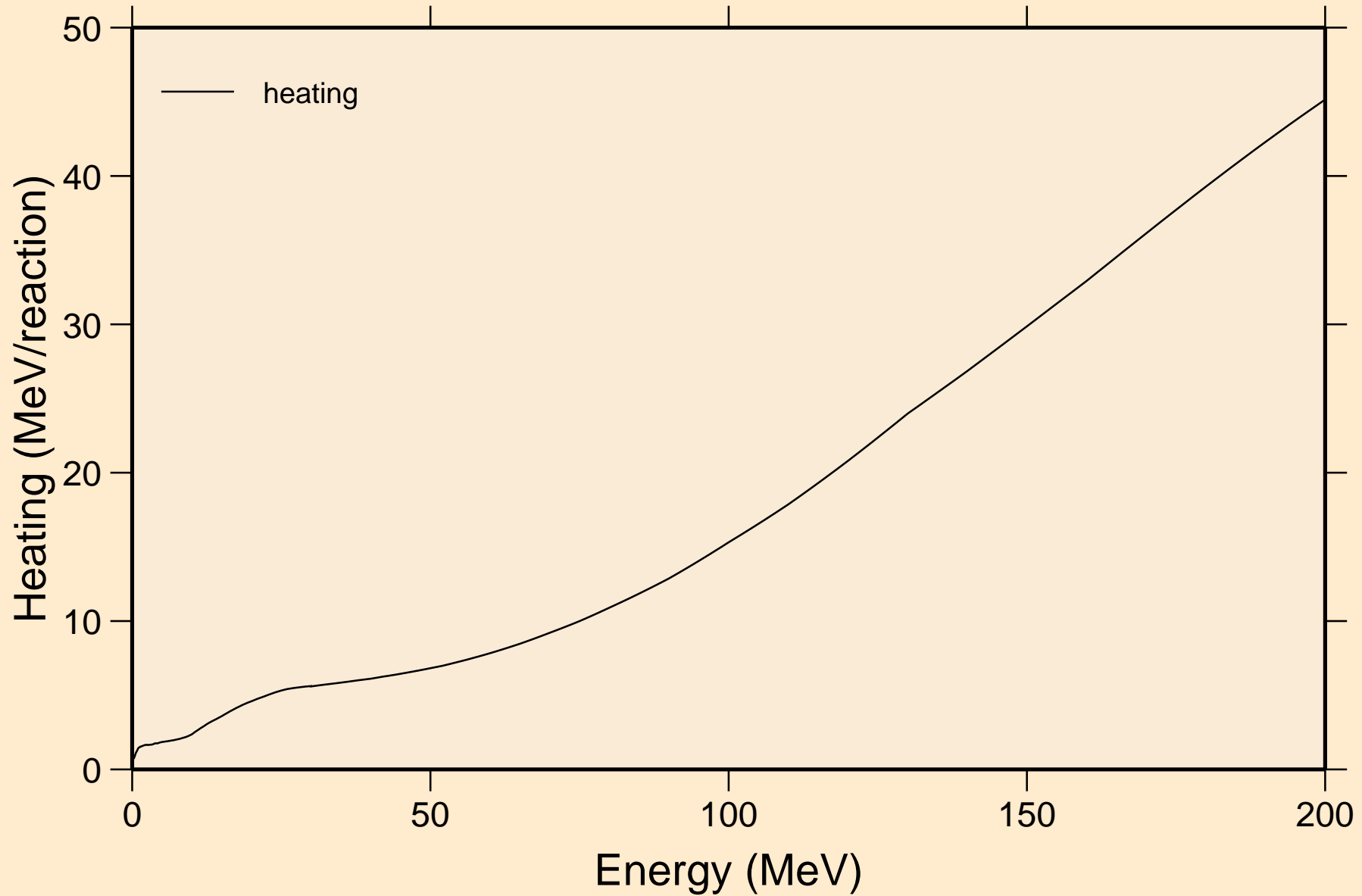
# FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections



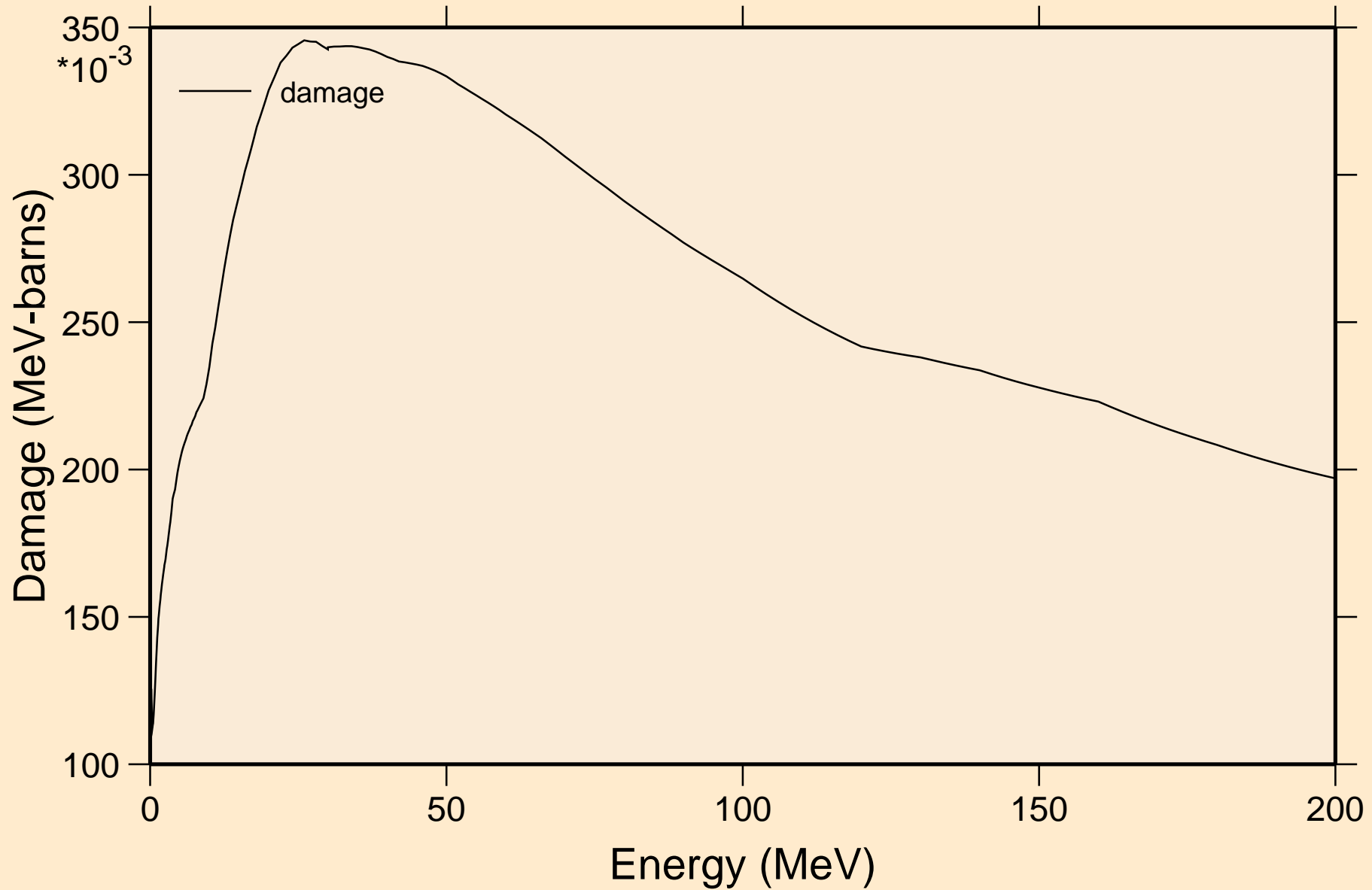
# FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Heating

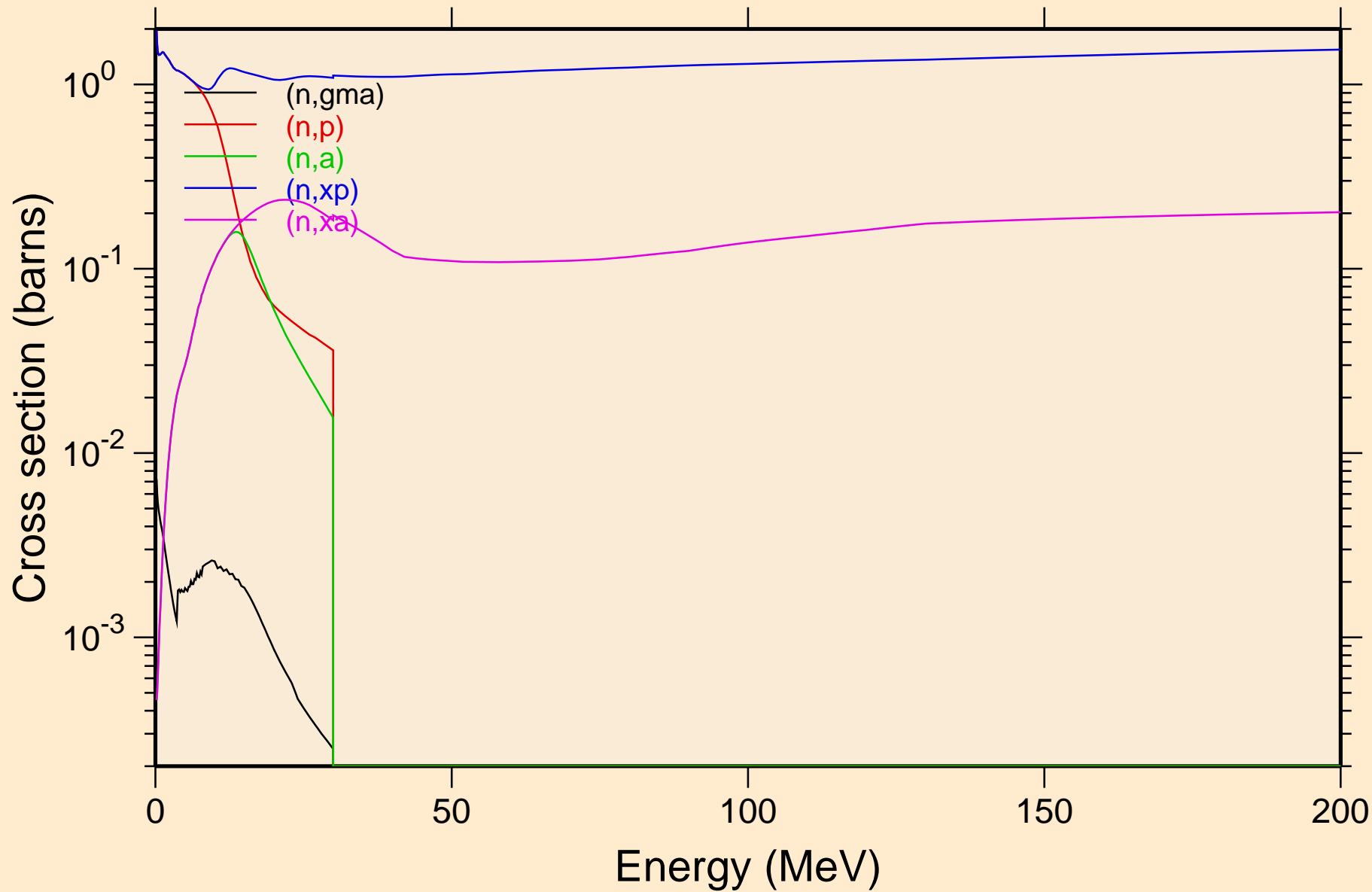


# FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Damage

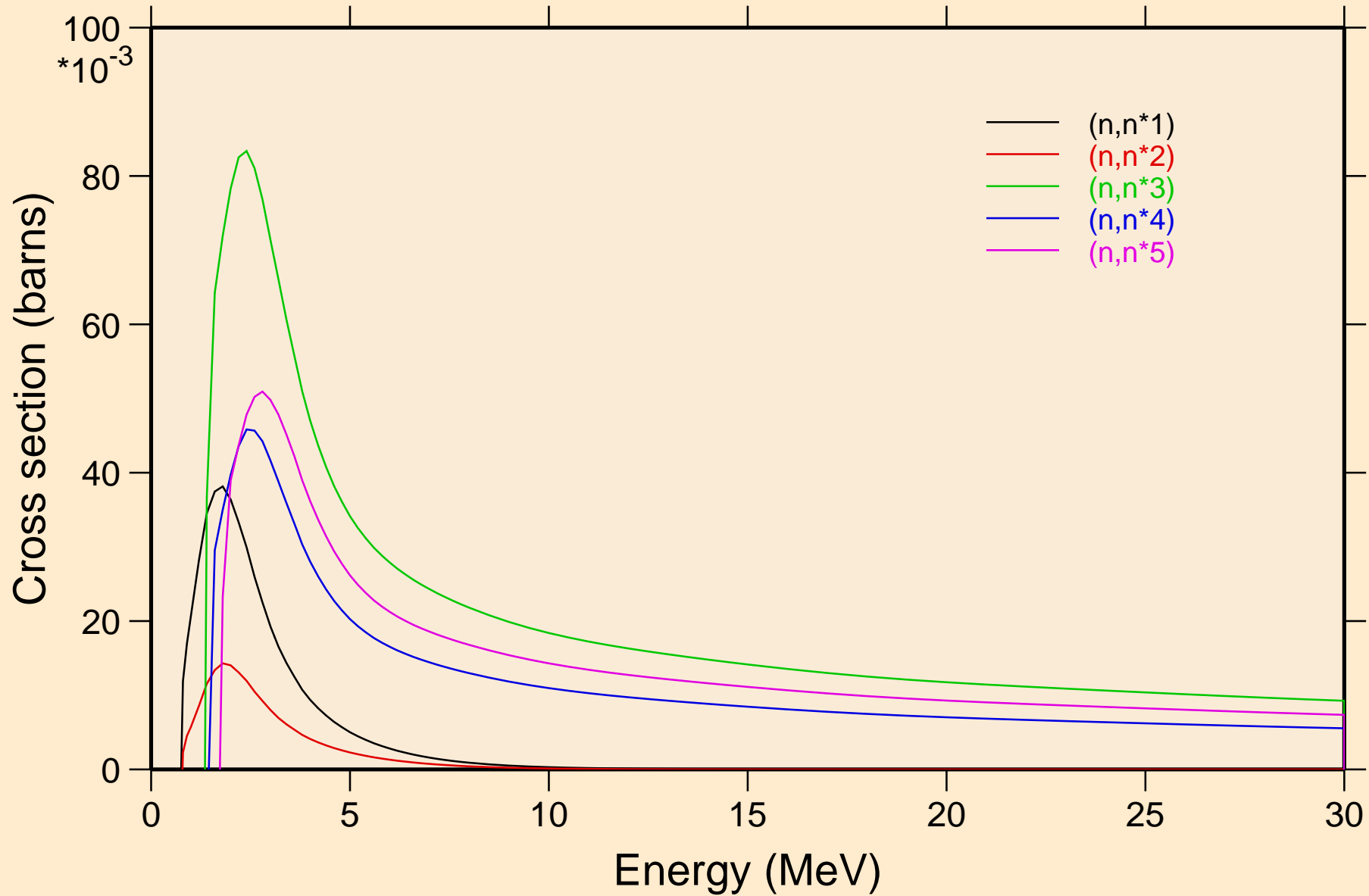


FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions

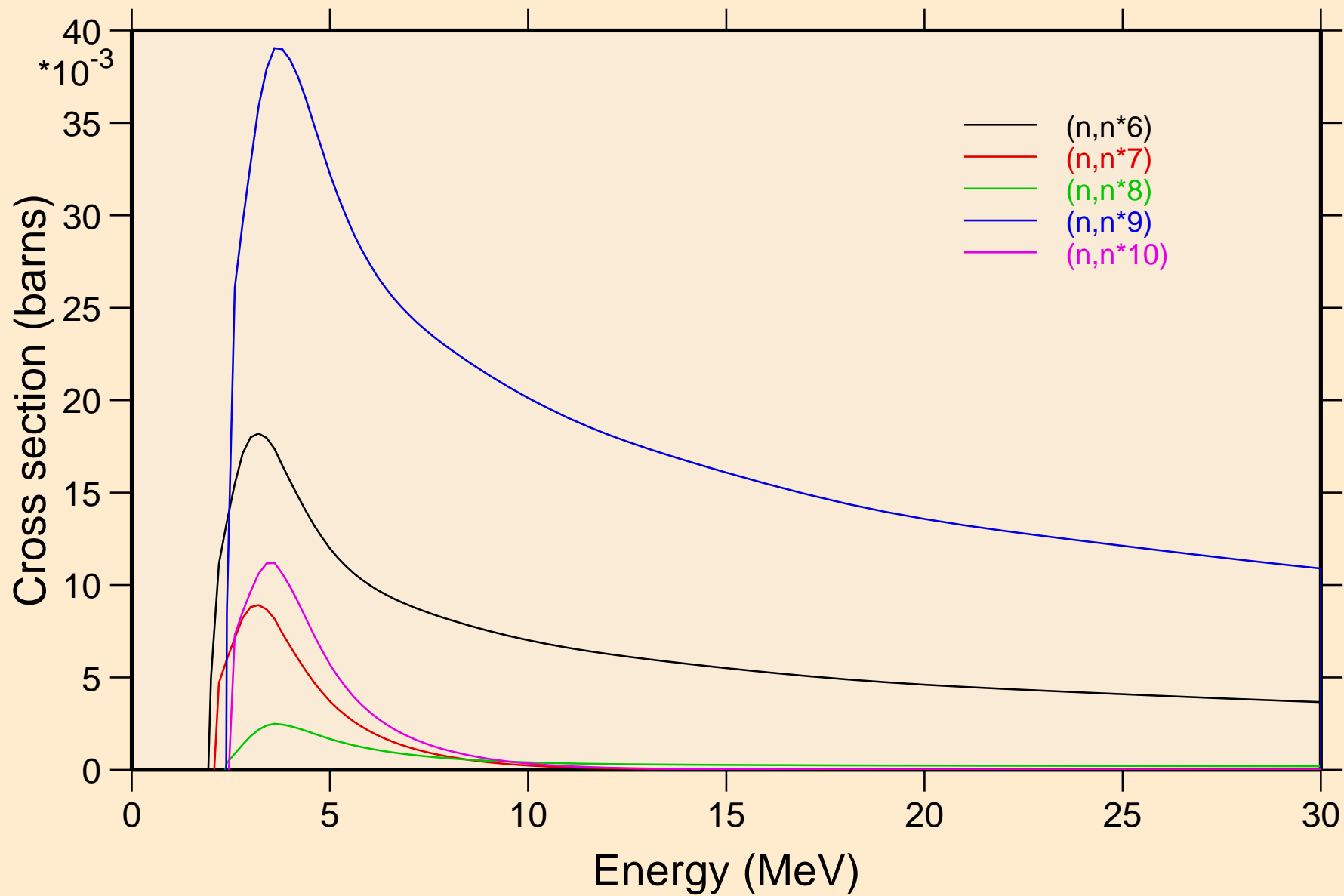




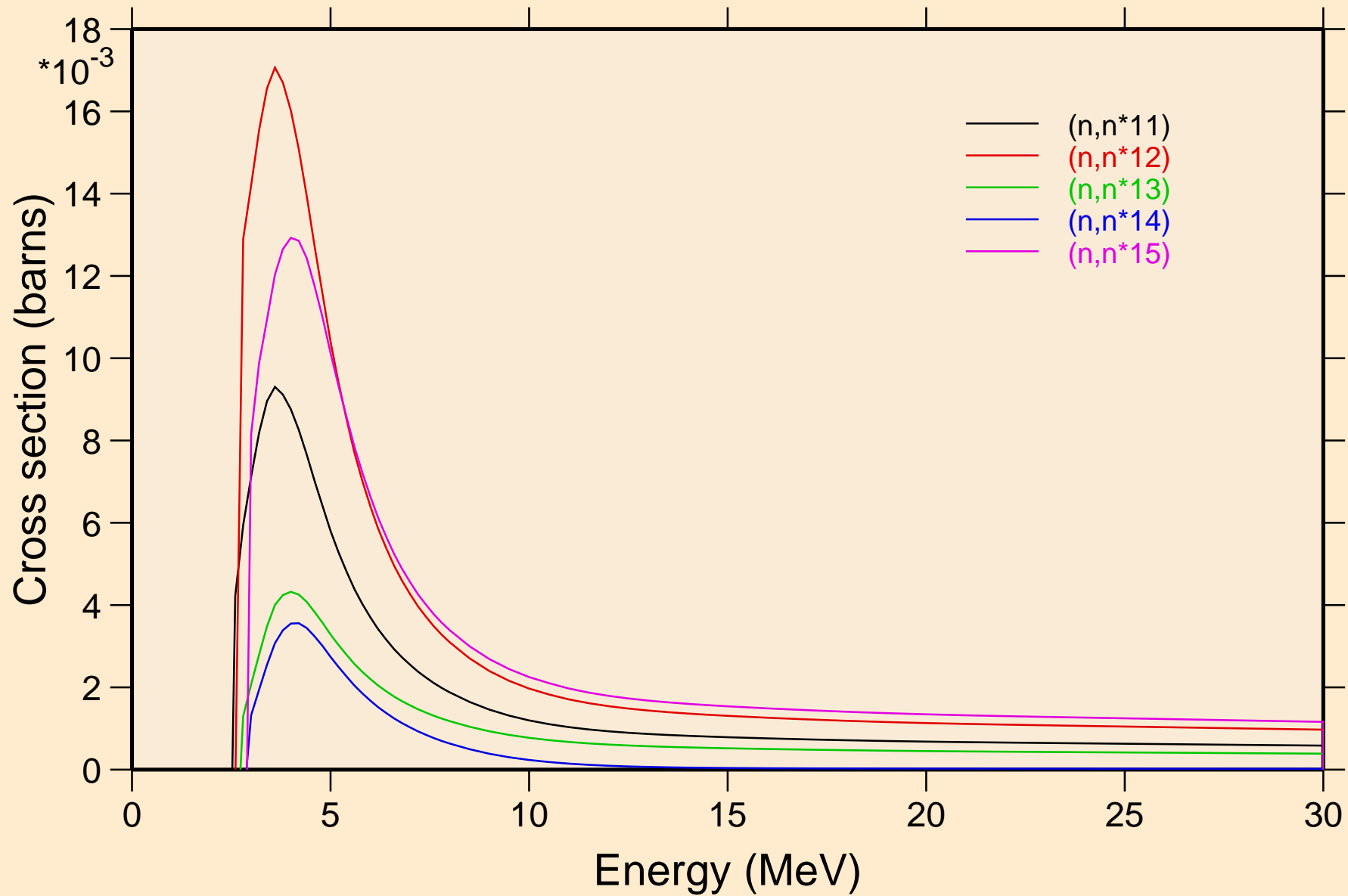
FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



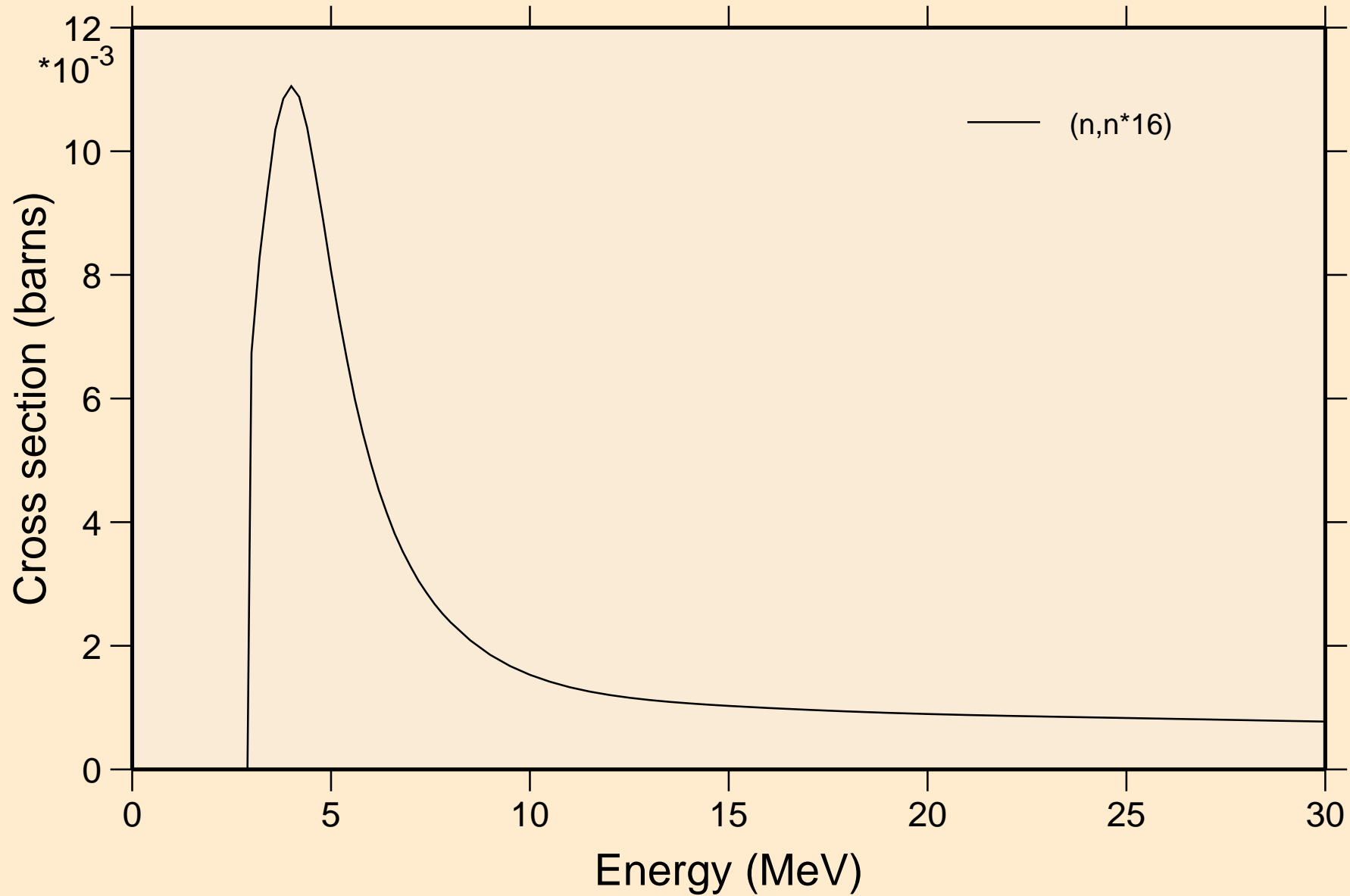
FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



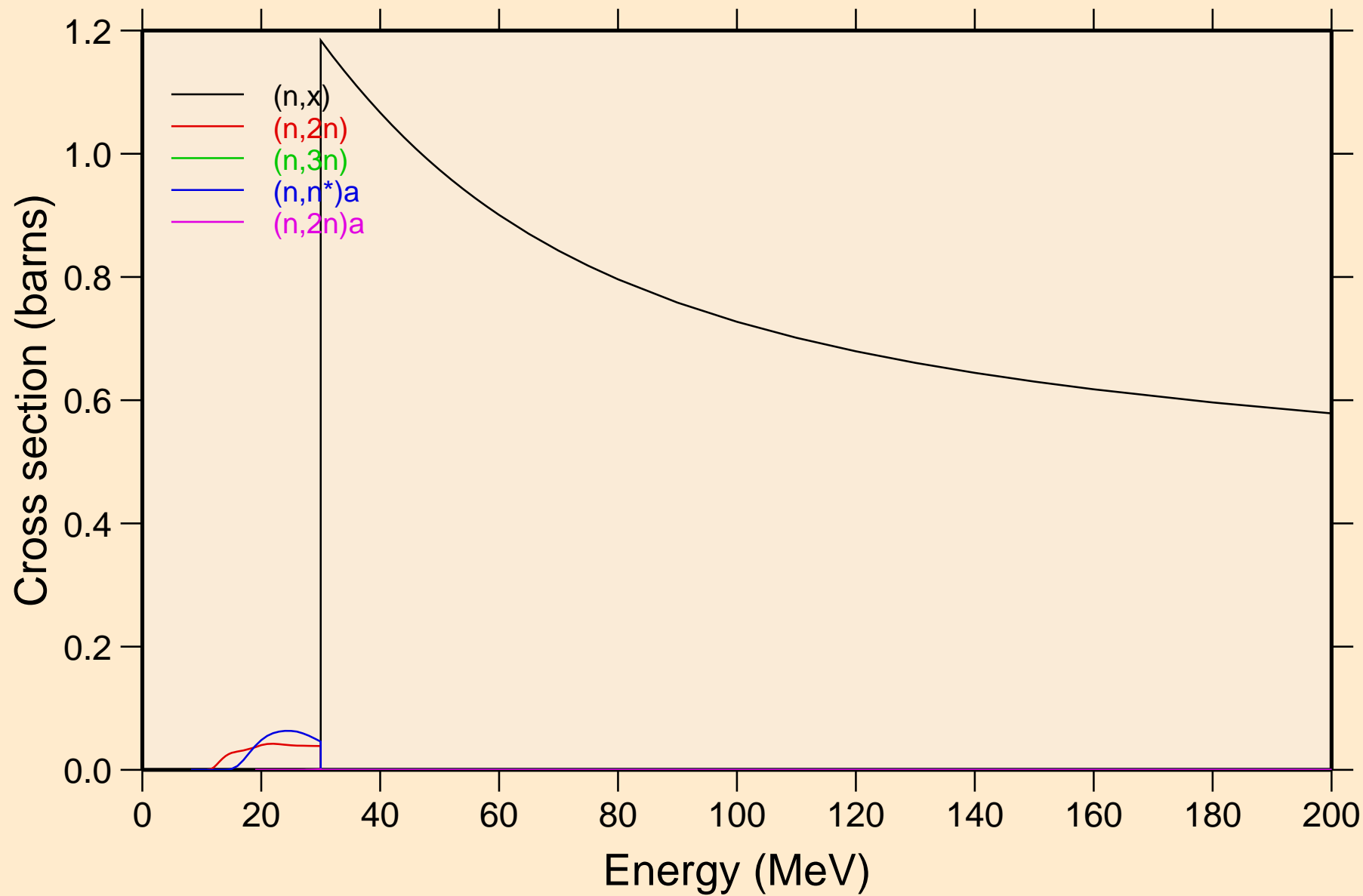
FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



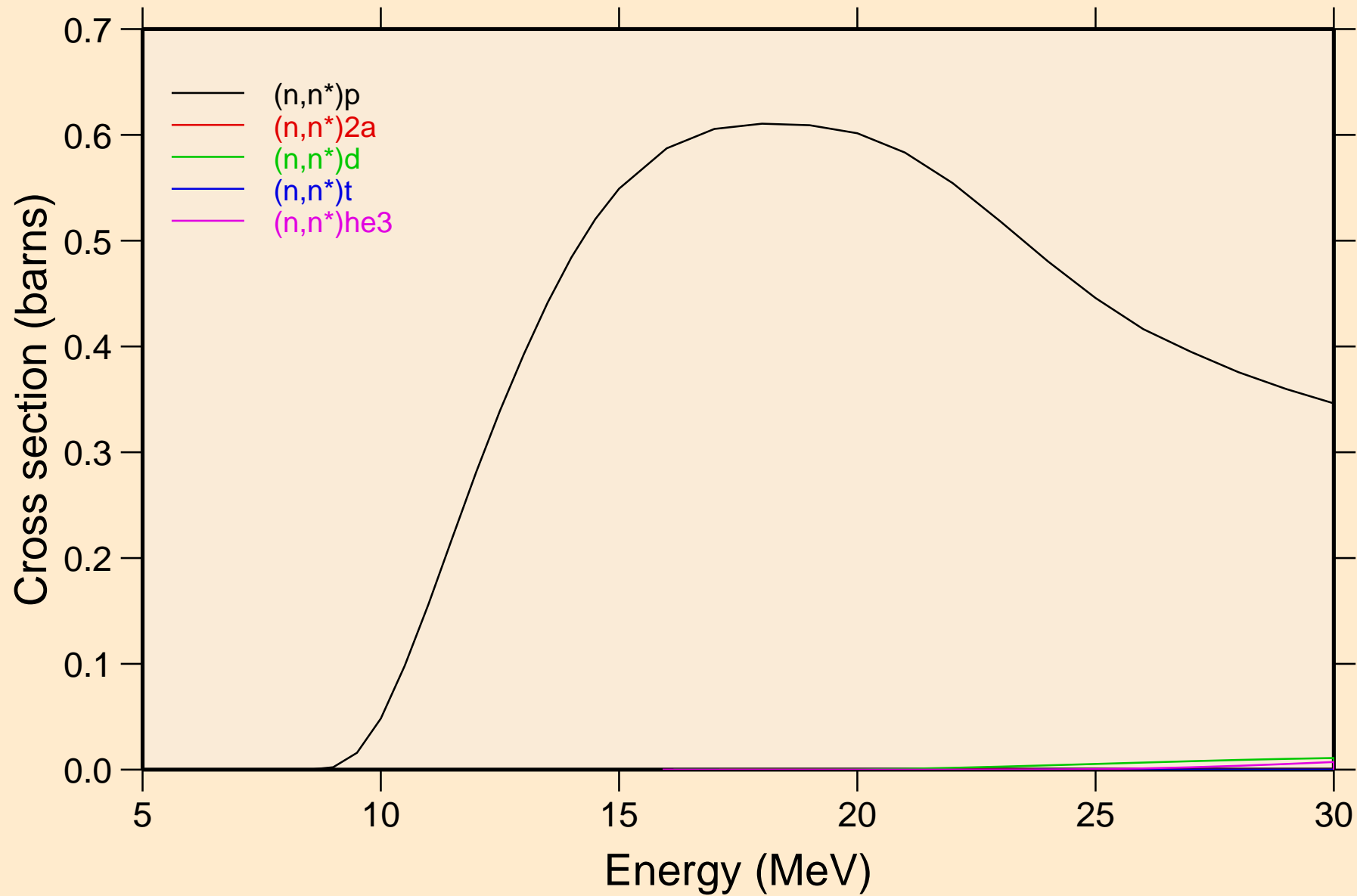
FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions

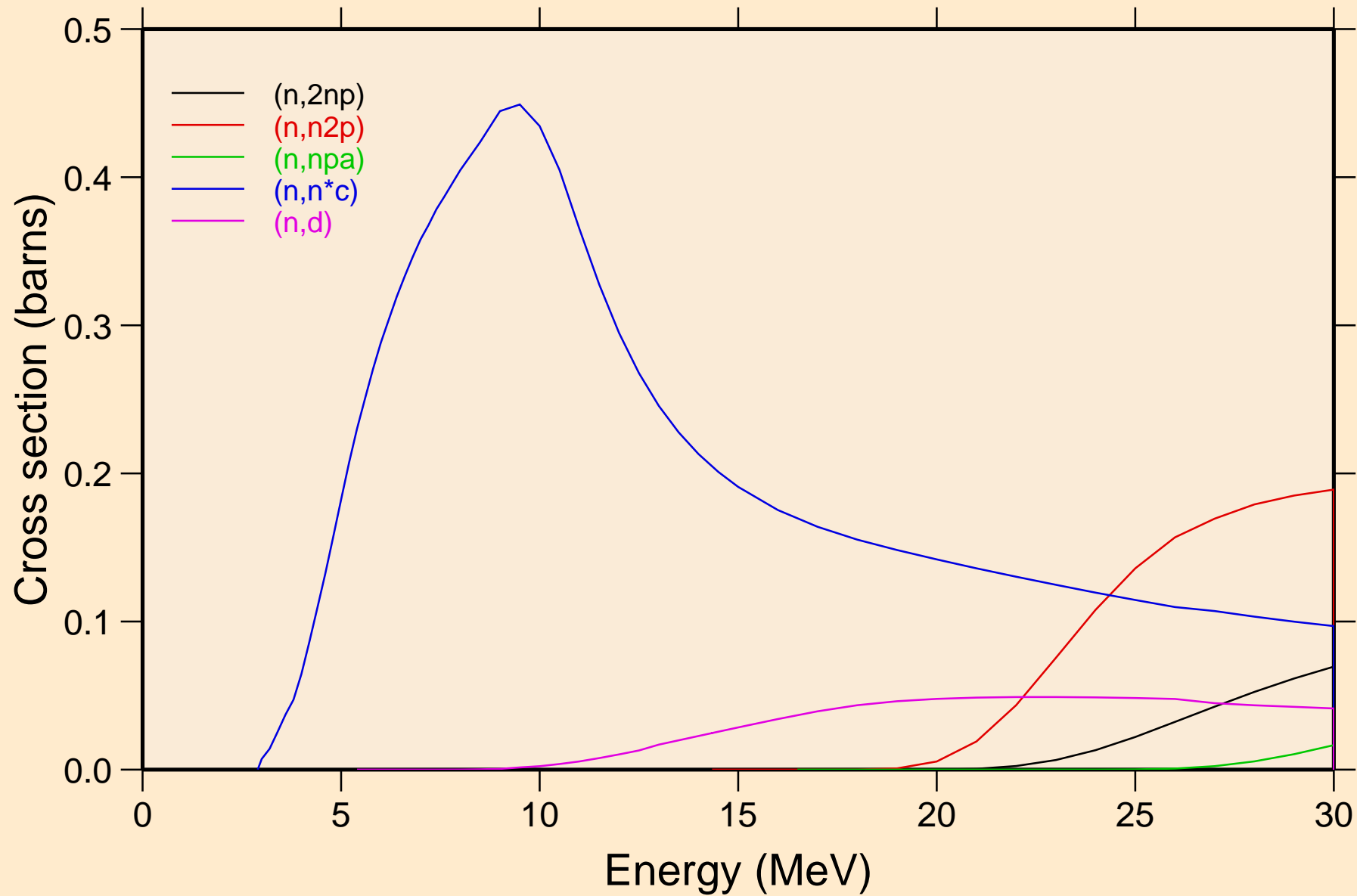


FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



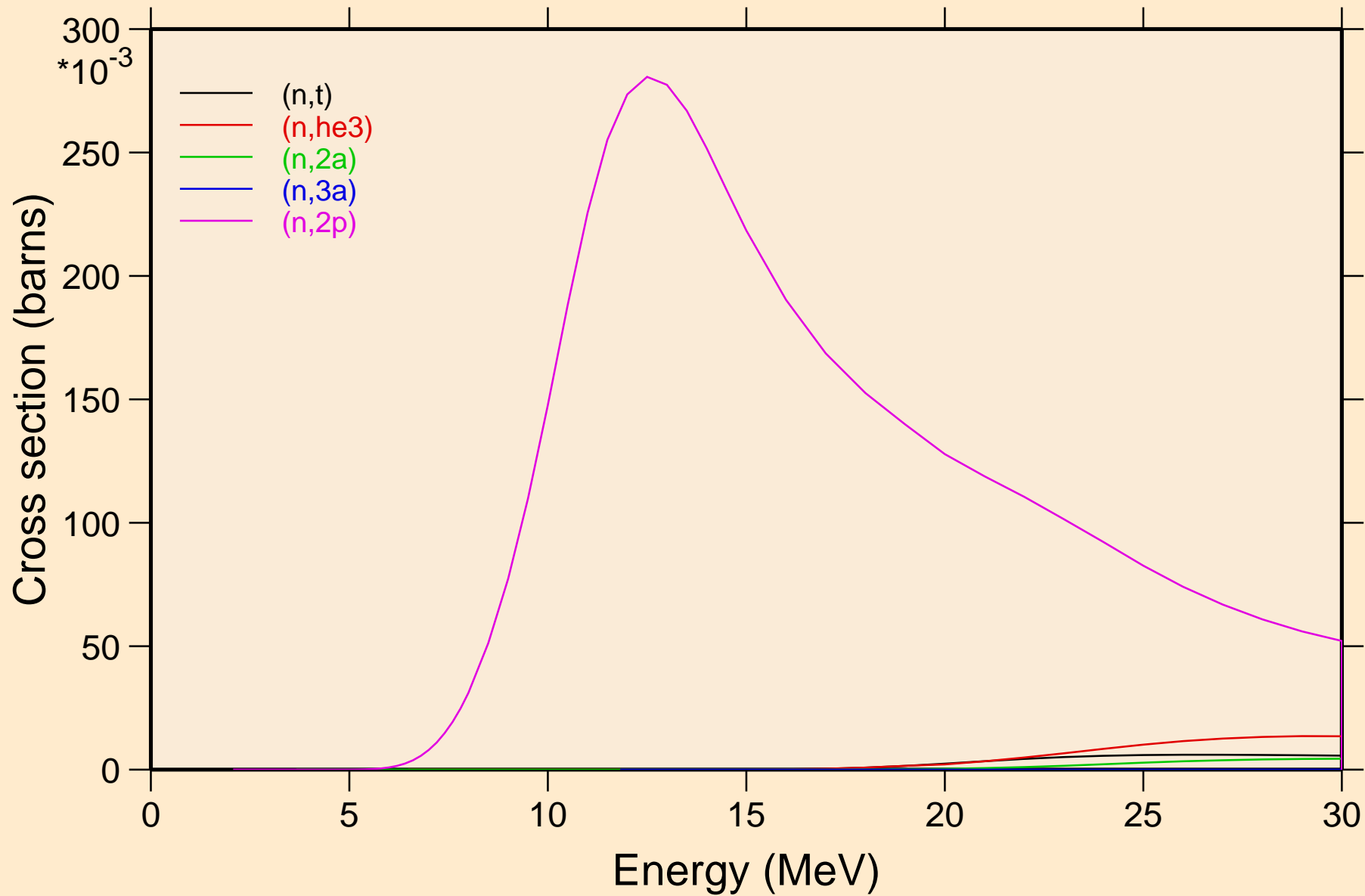
# FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions



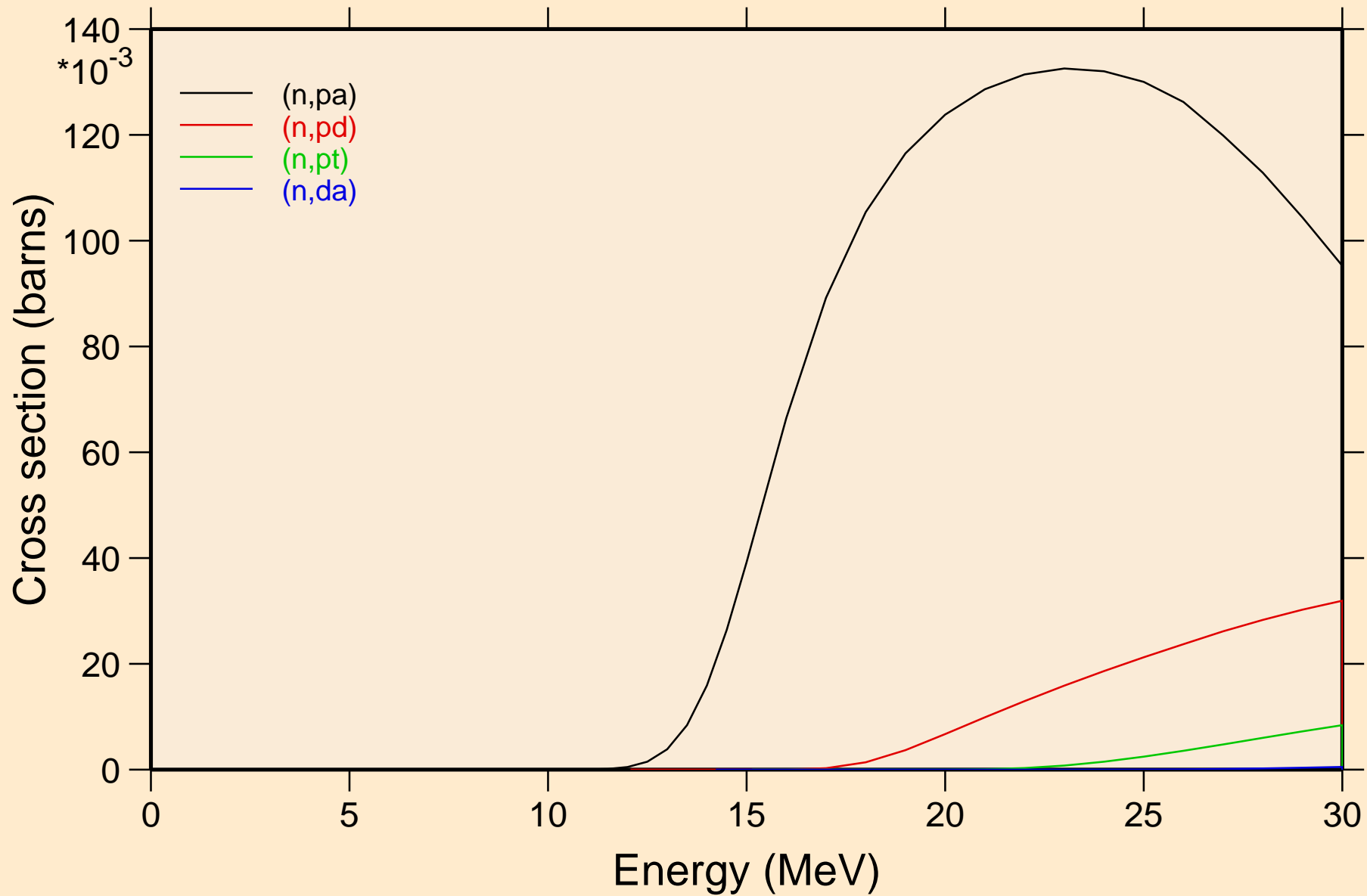
# FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions



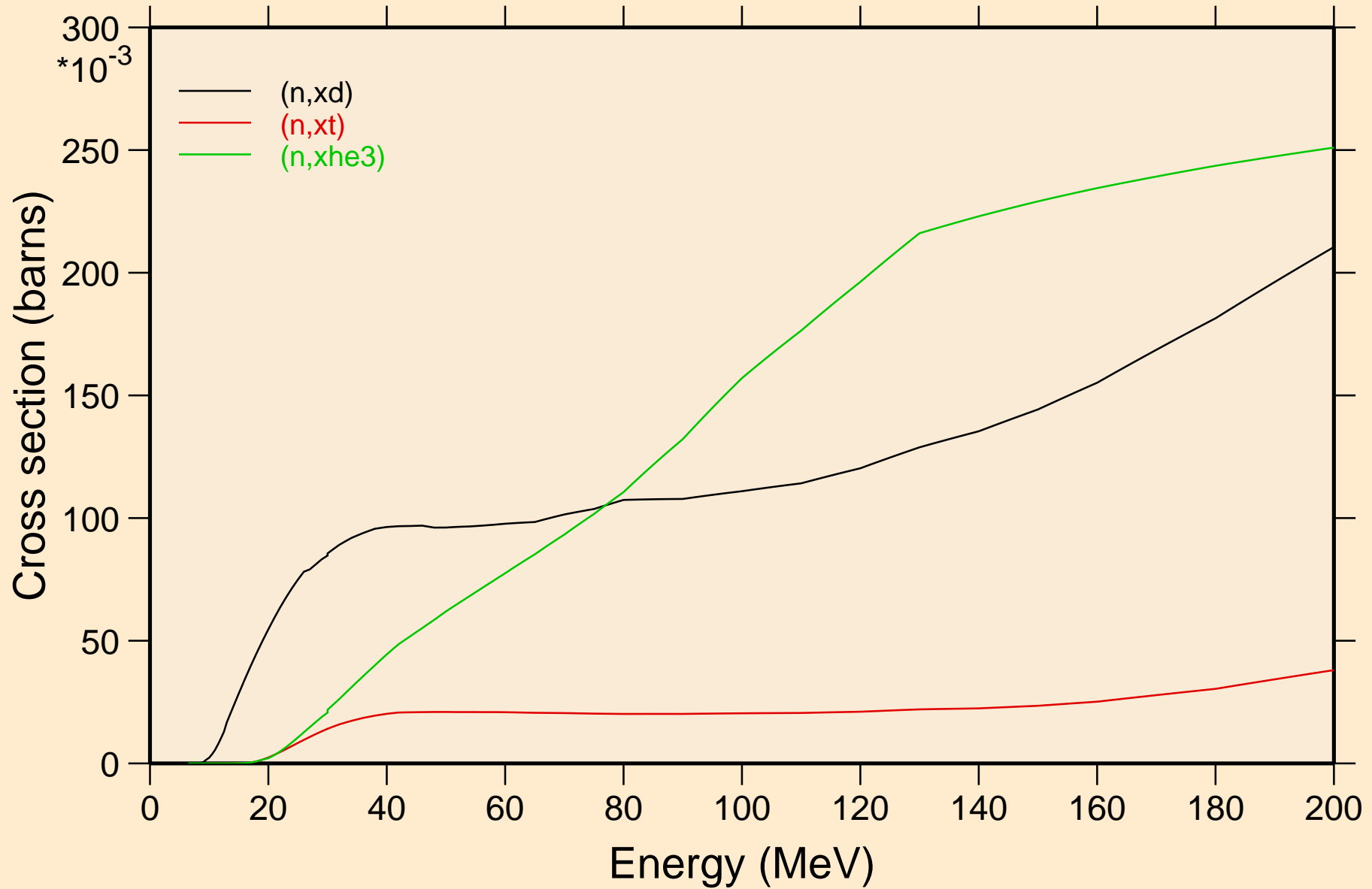


FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions

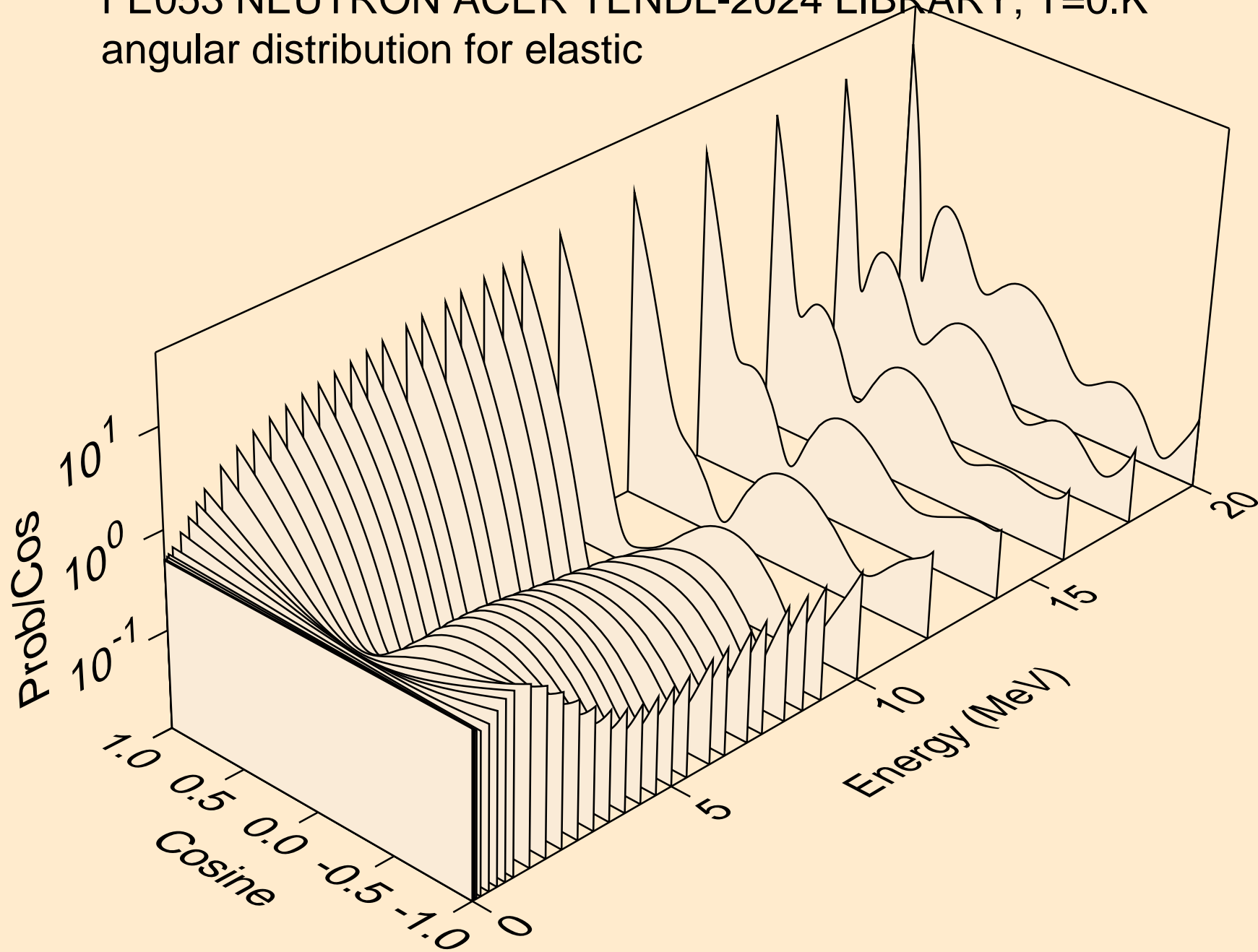


# FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

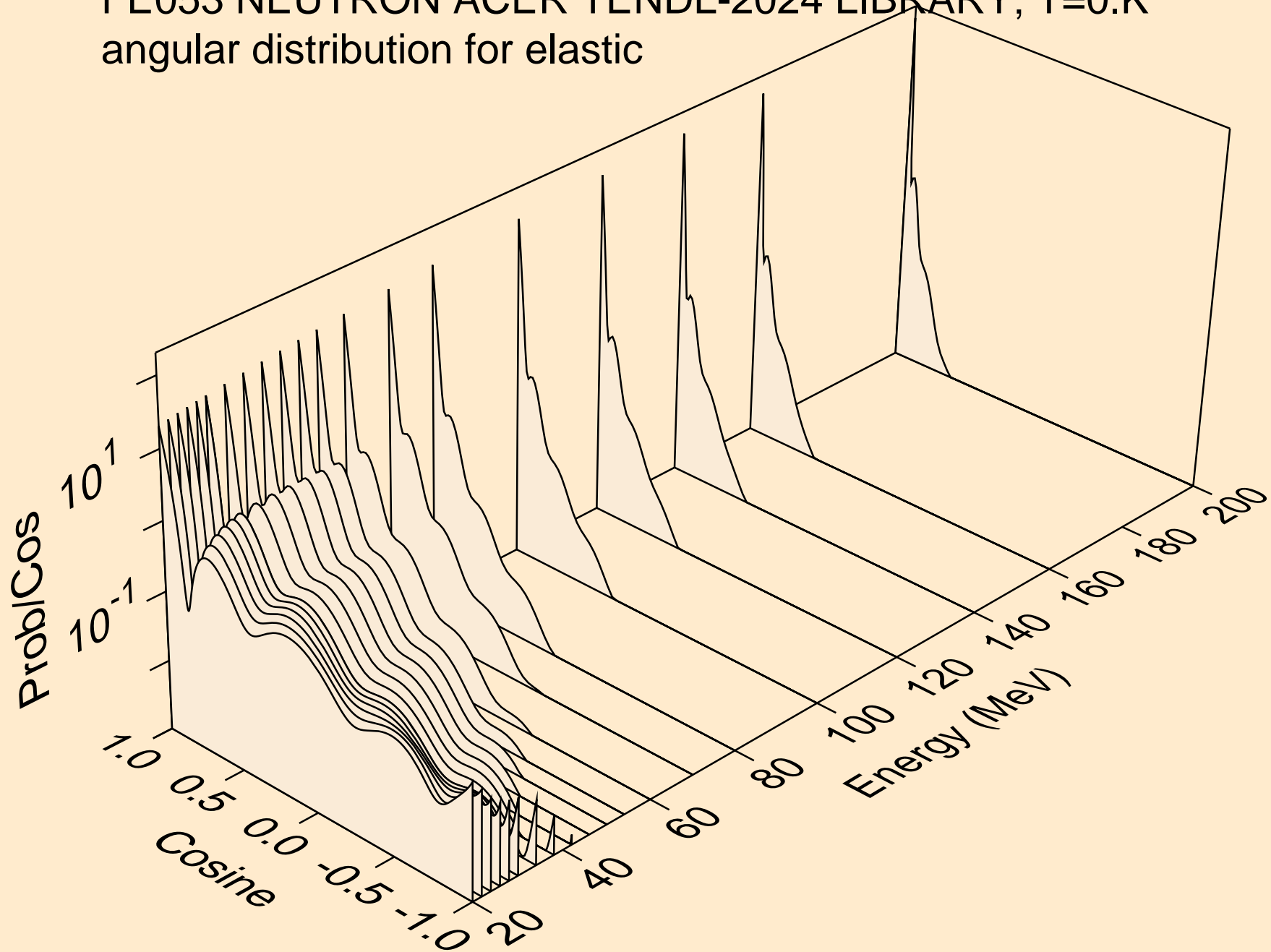
## Threshold reactions



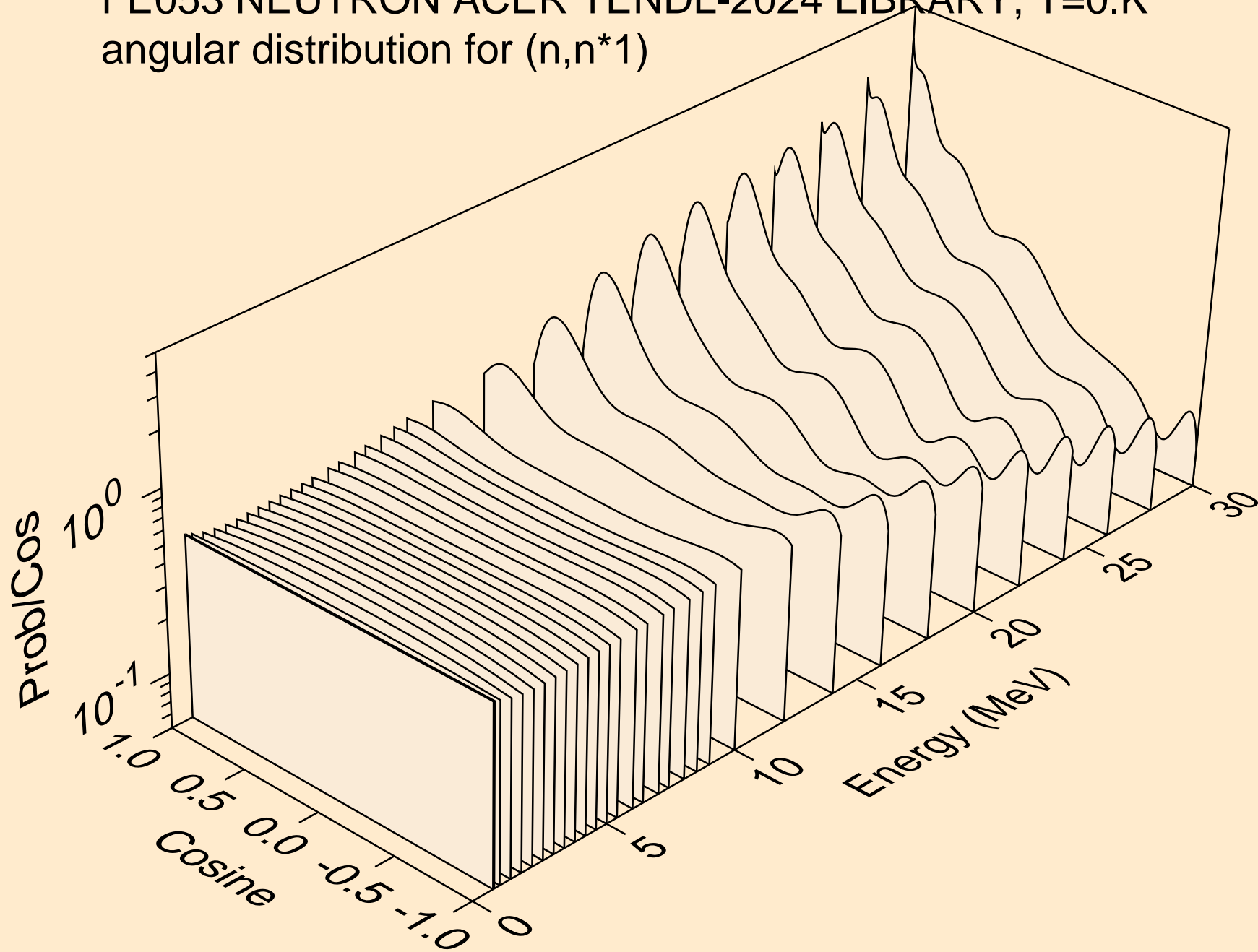
FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



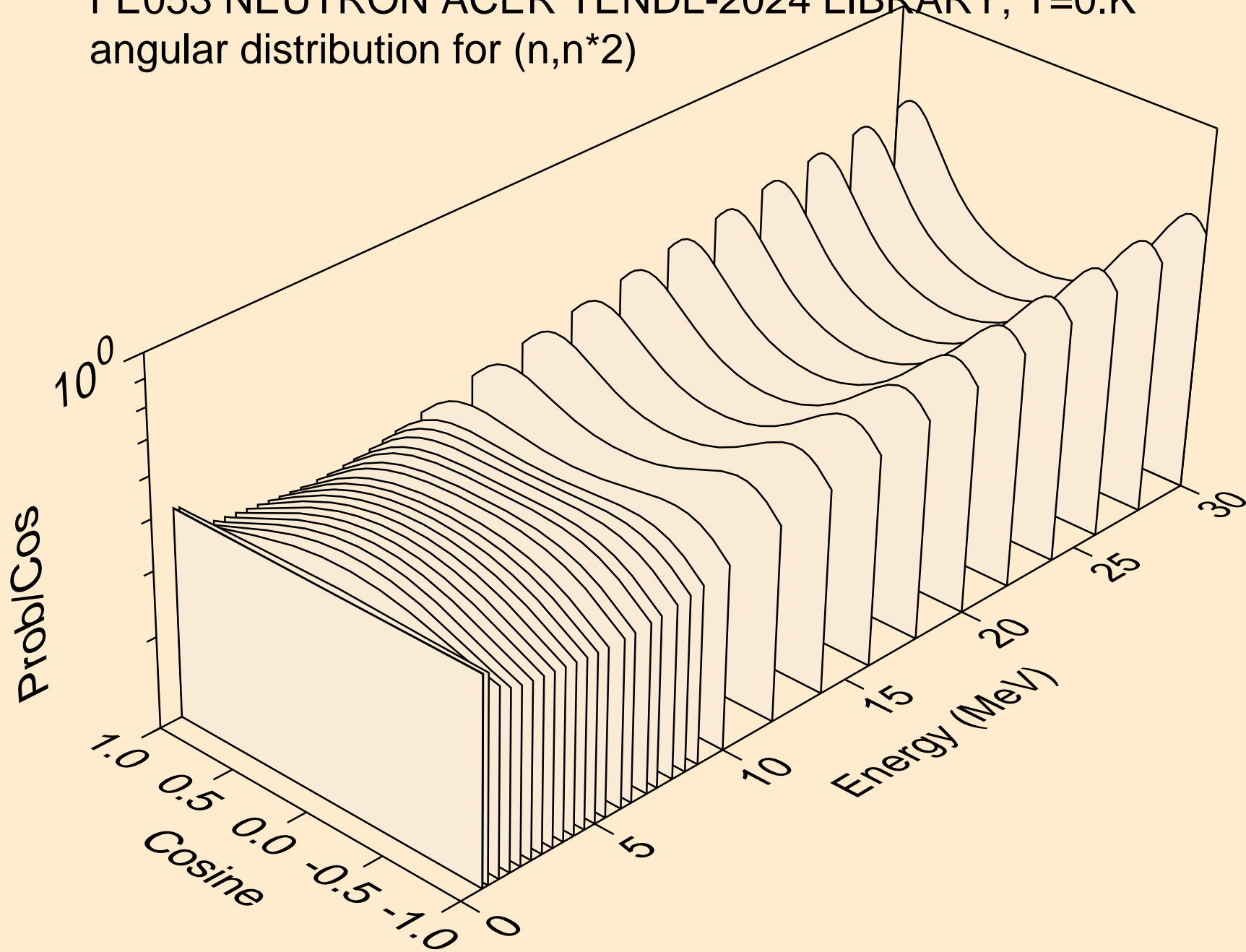
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angular distribution for elastic



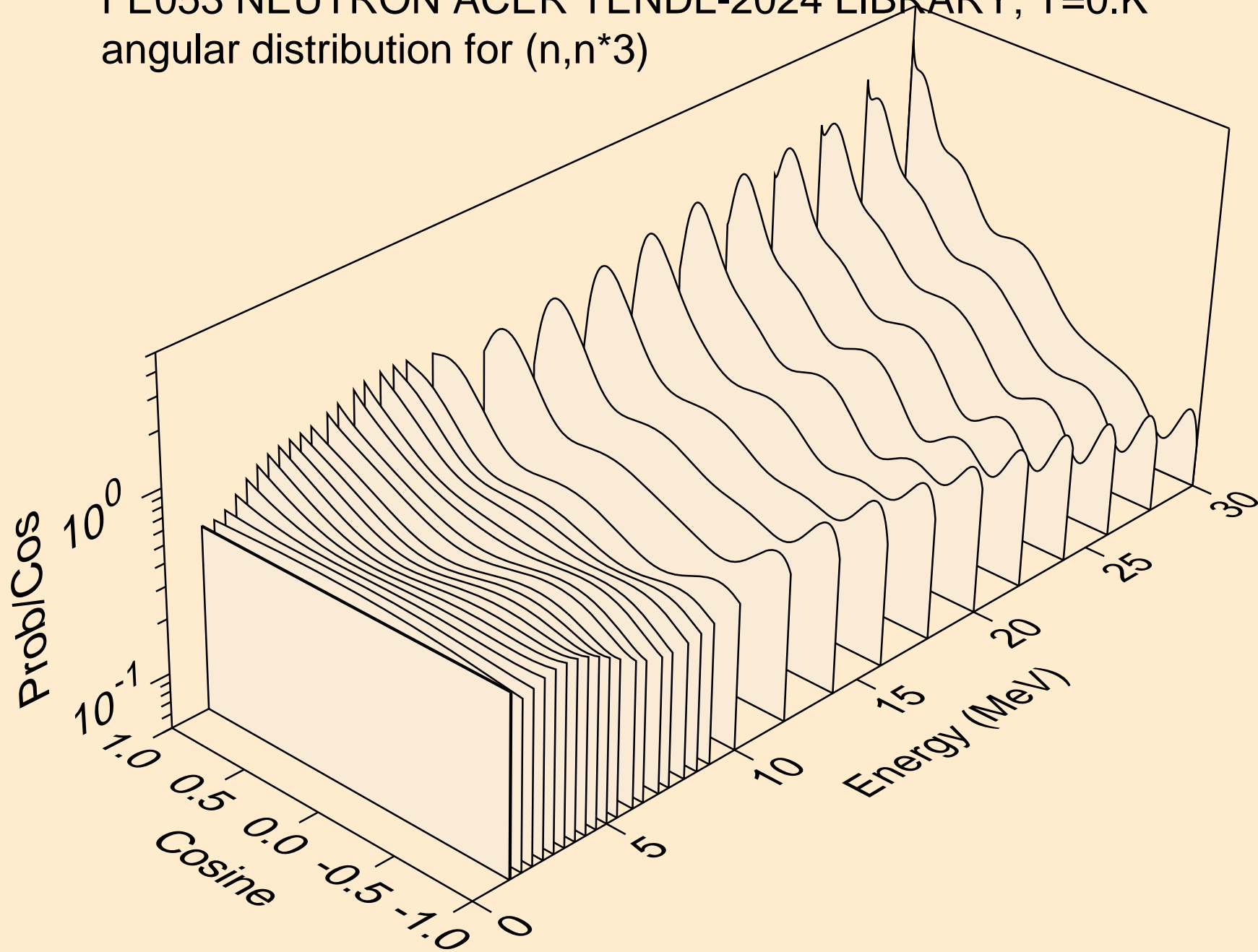
FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



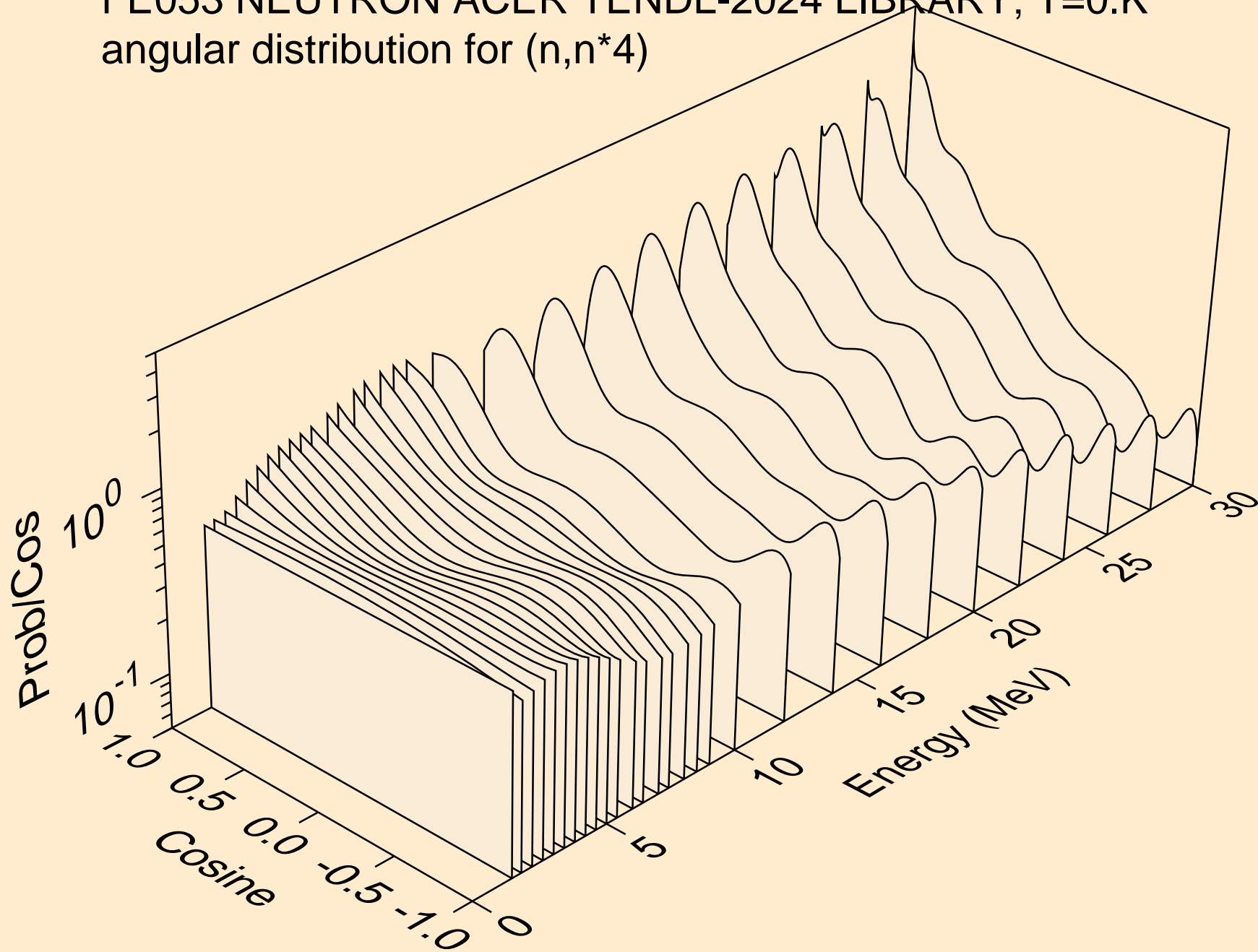
FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*2)



FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*3)

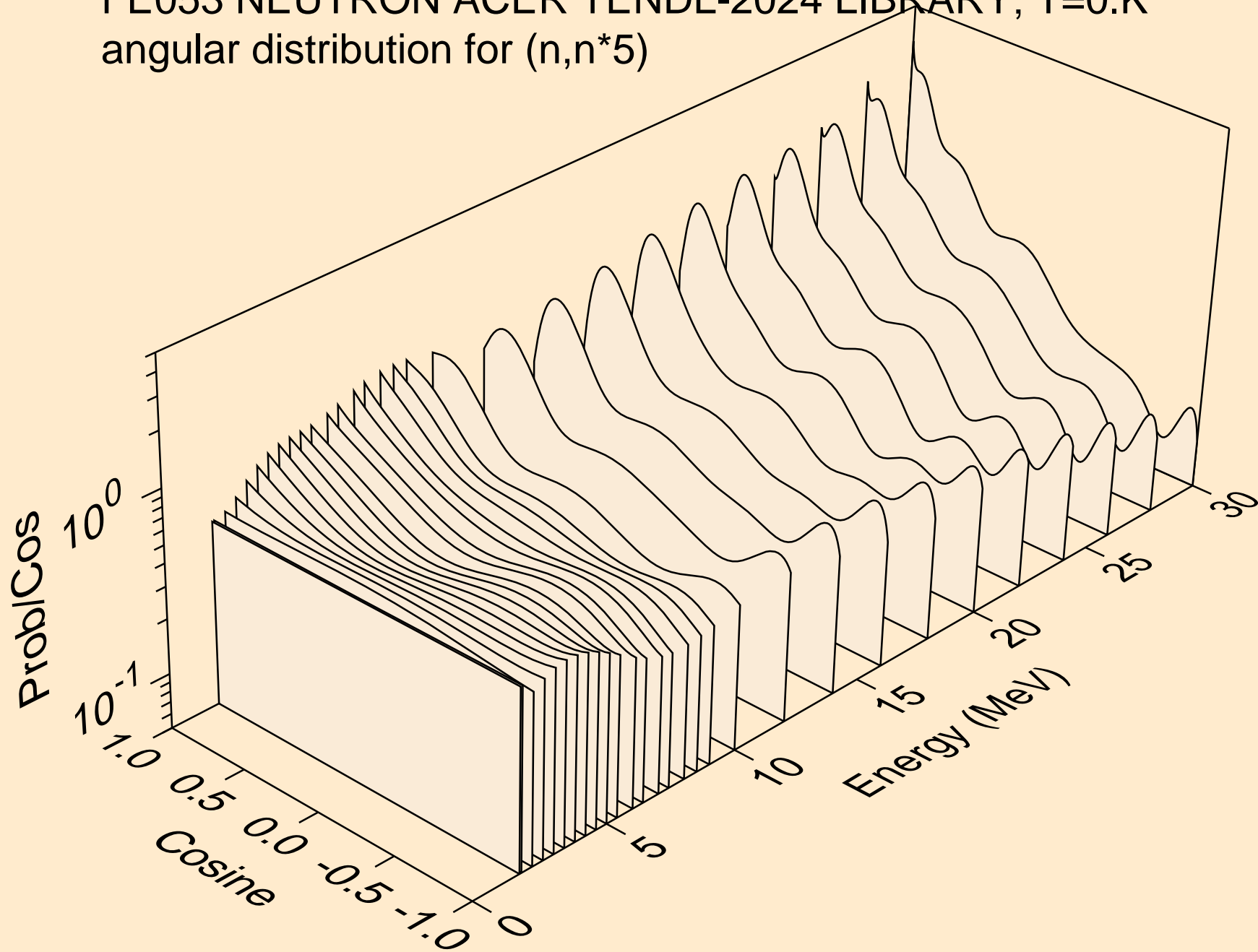


FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*4)

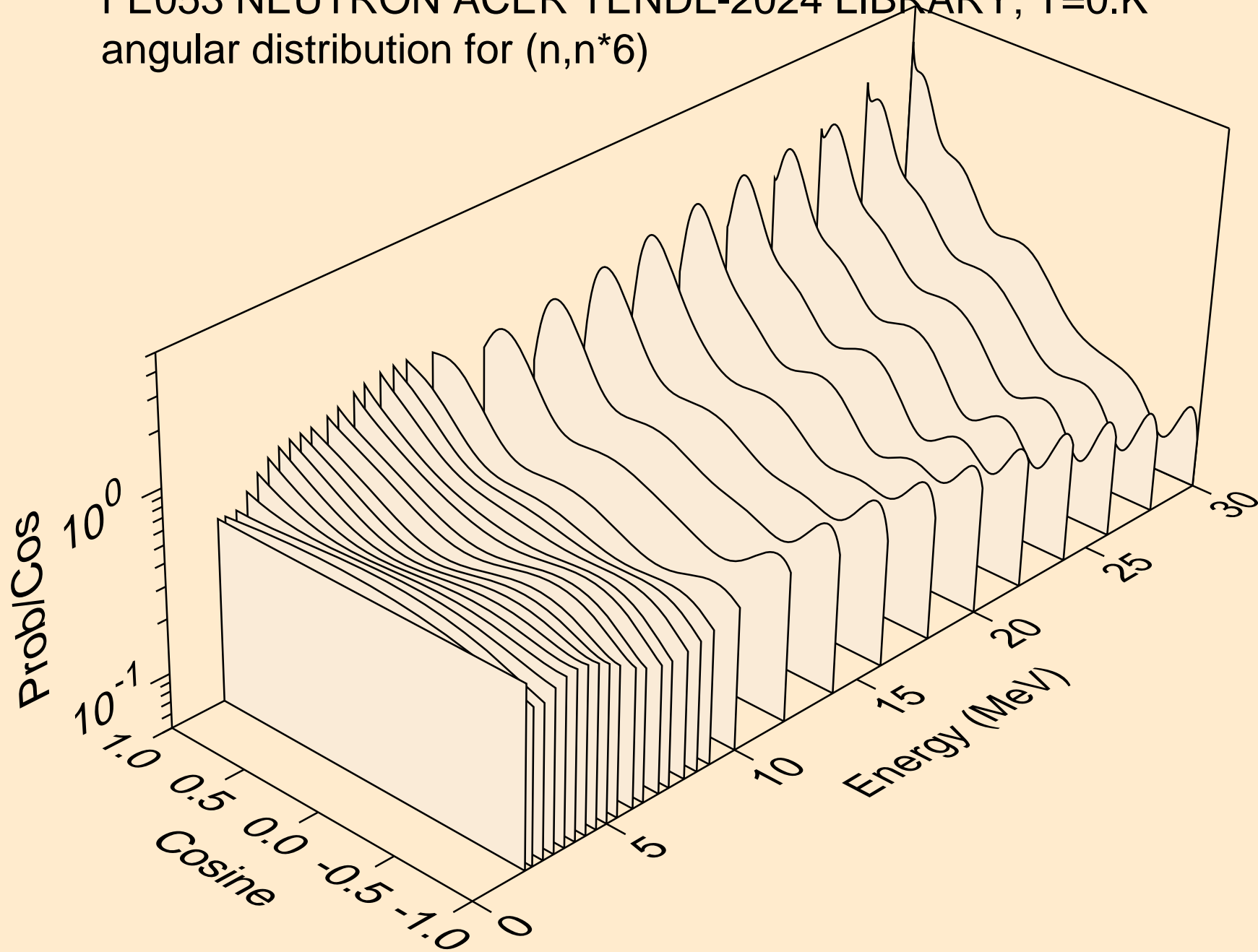




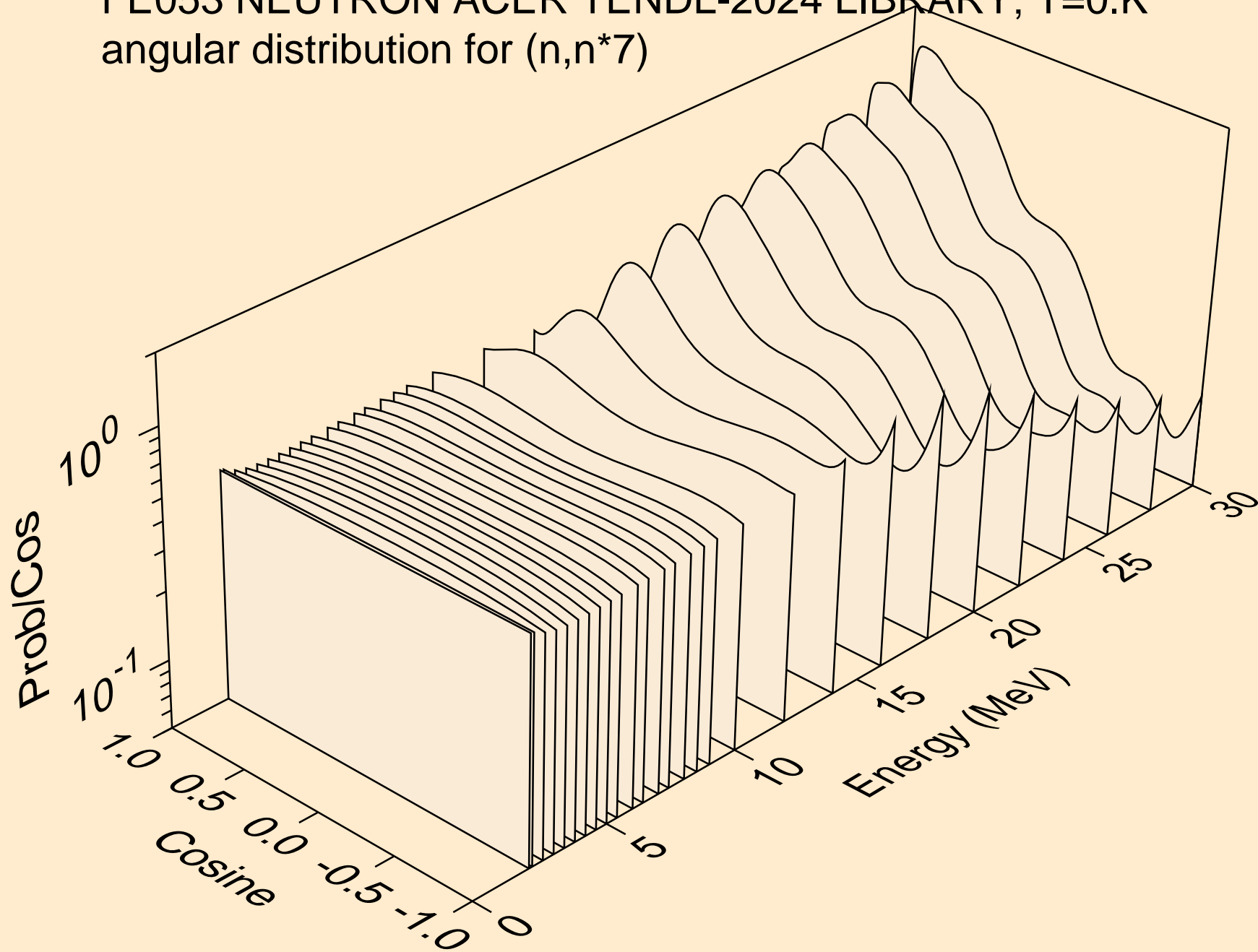
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angular distribution for (n,n\*5)



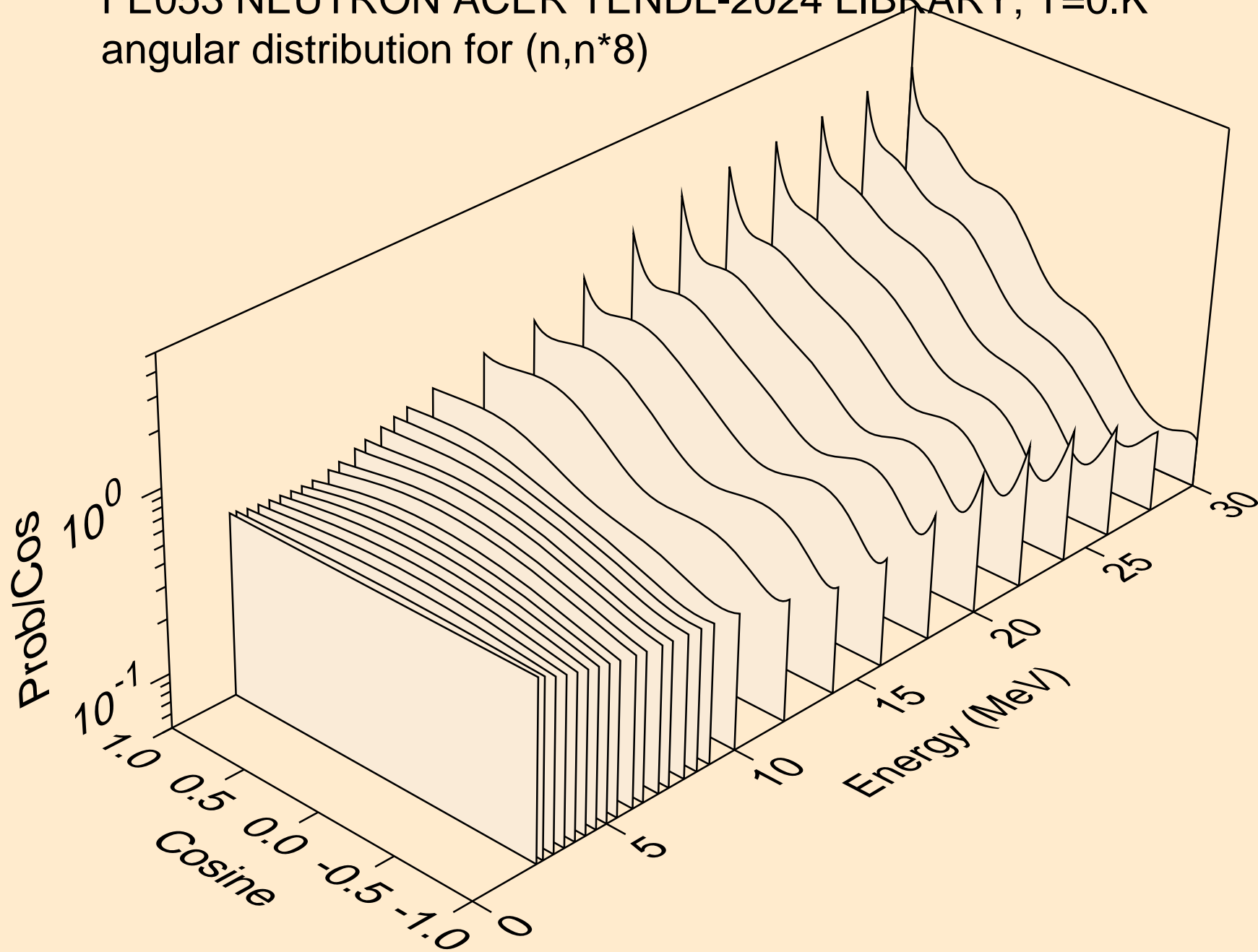
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angular distribution for (n,n\*6)



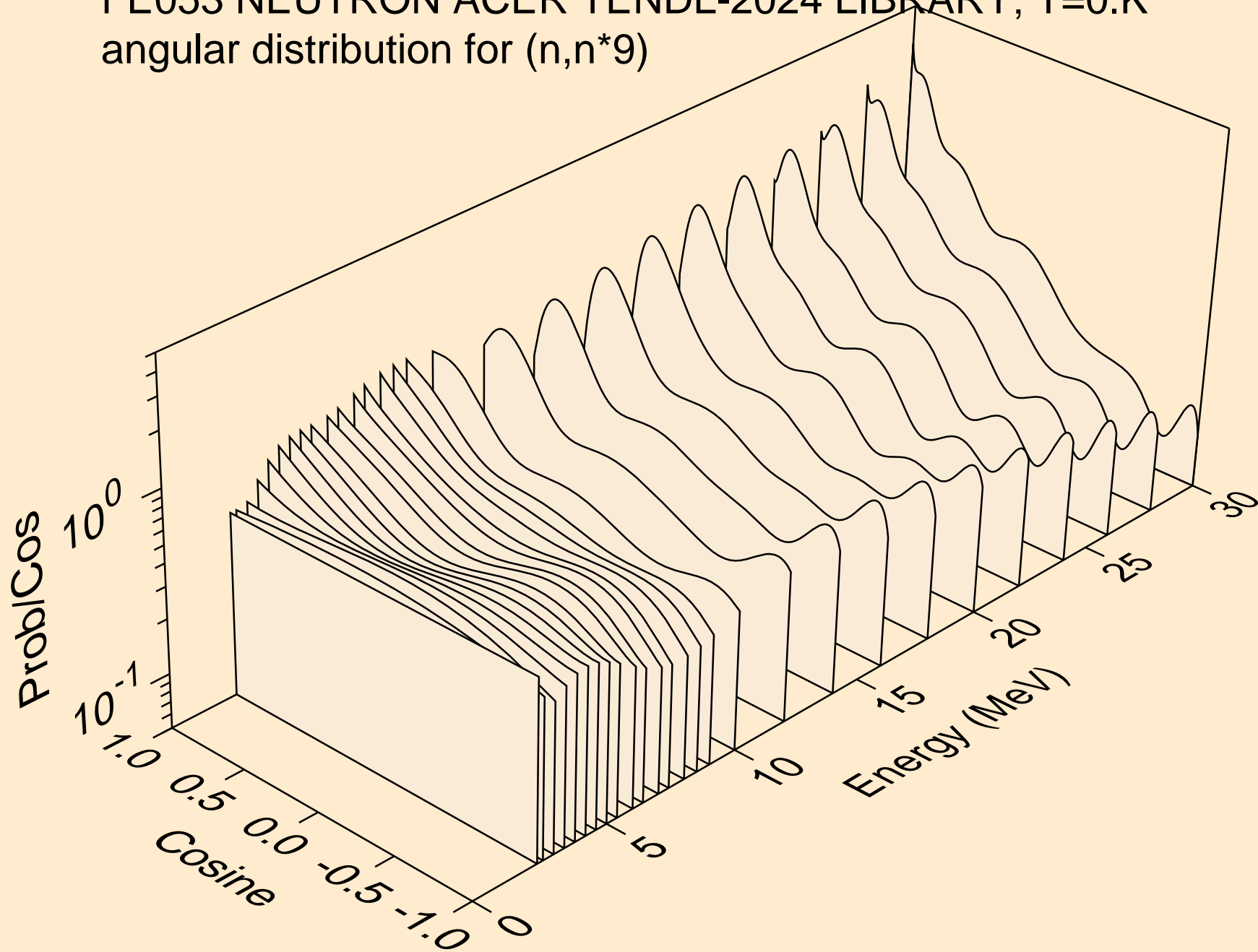
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angular distribution for (n,n\*7)



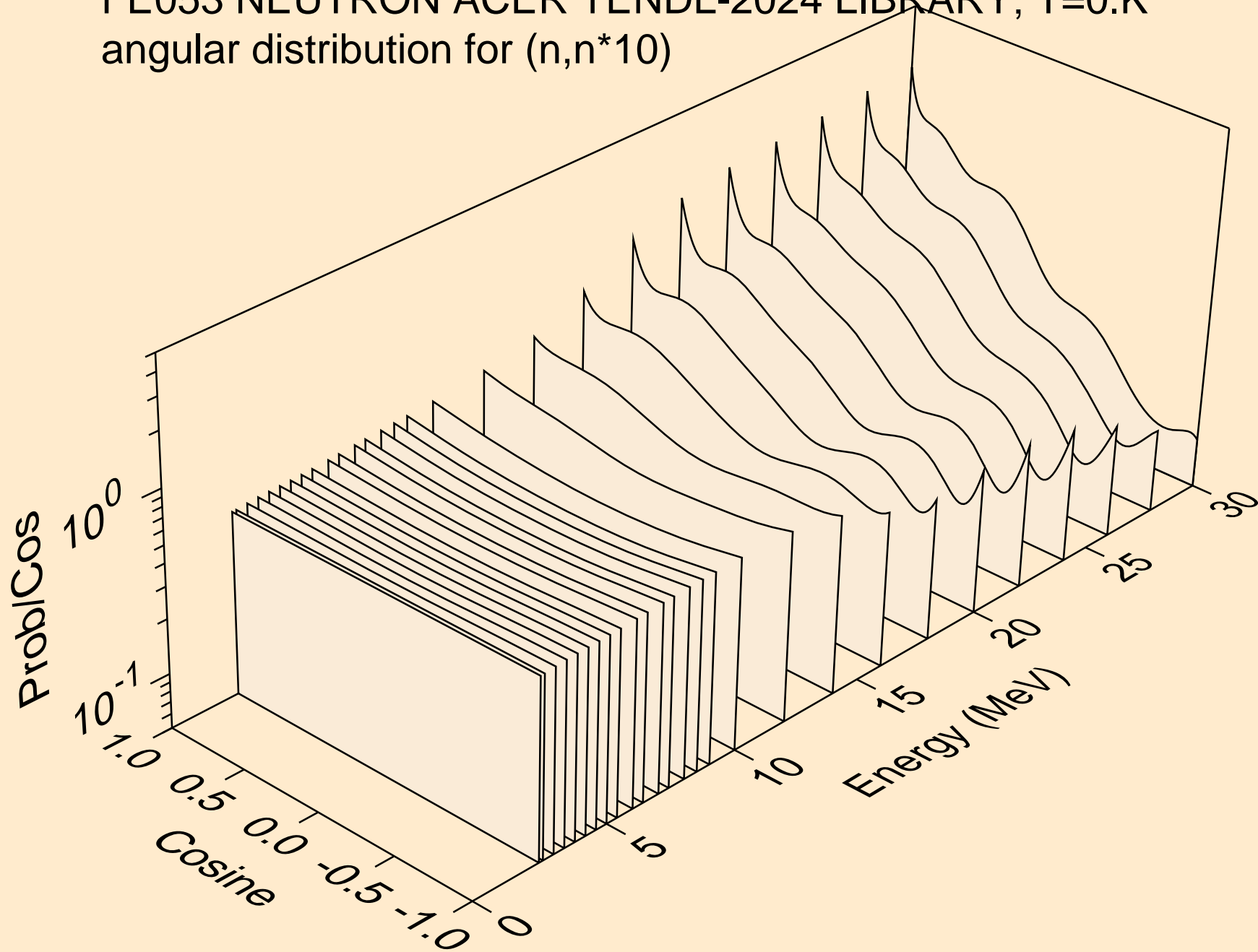
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angular distribution for (n,n\*8)



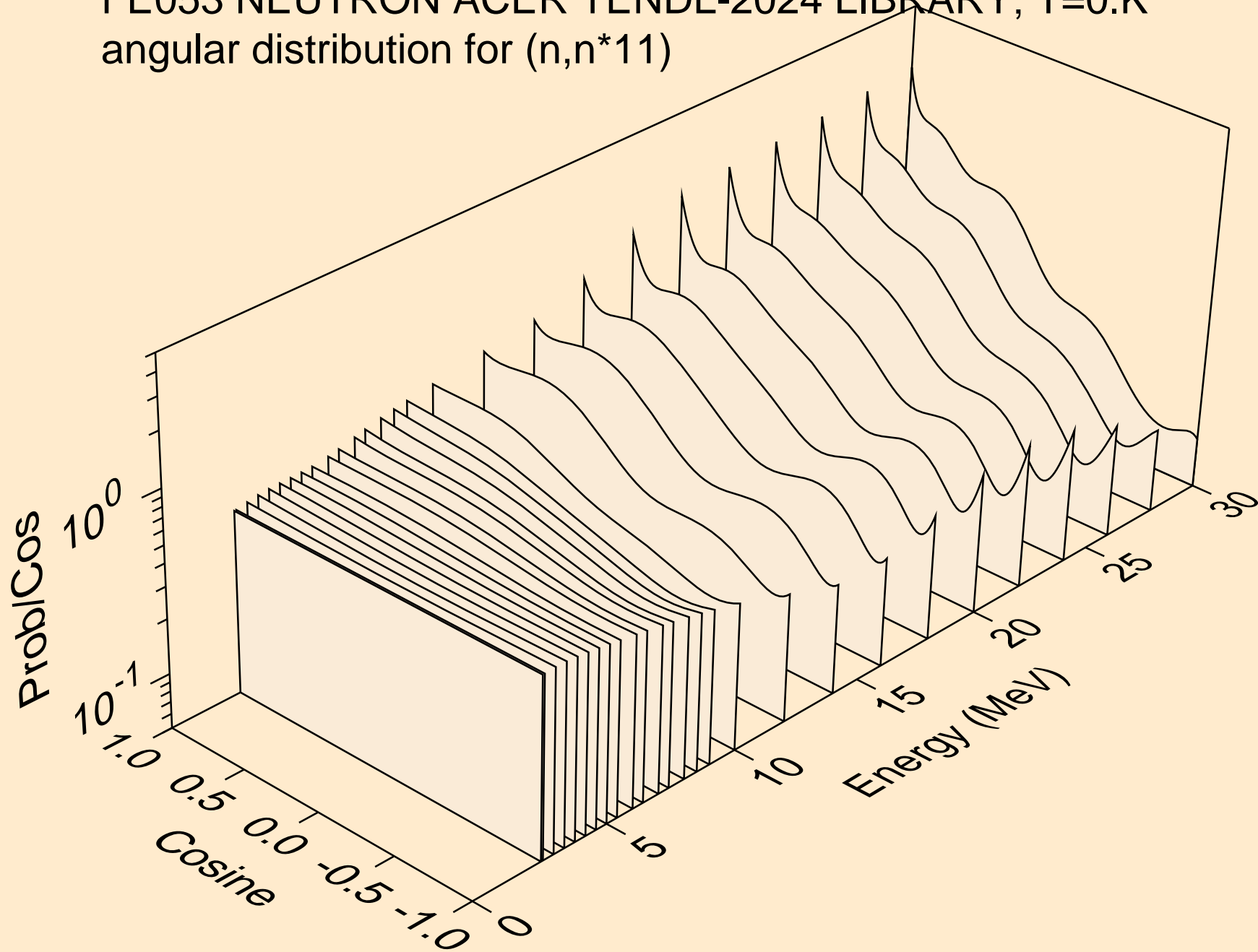
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angular distribution for (n,n\*9)



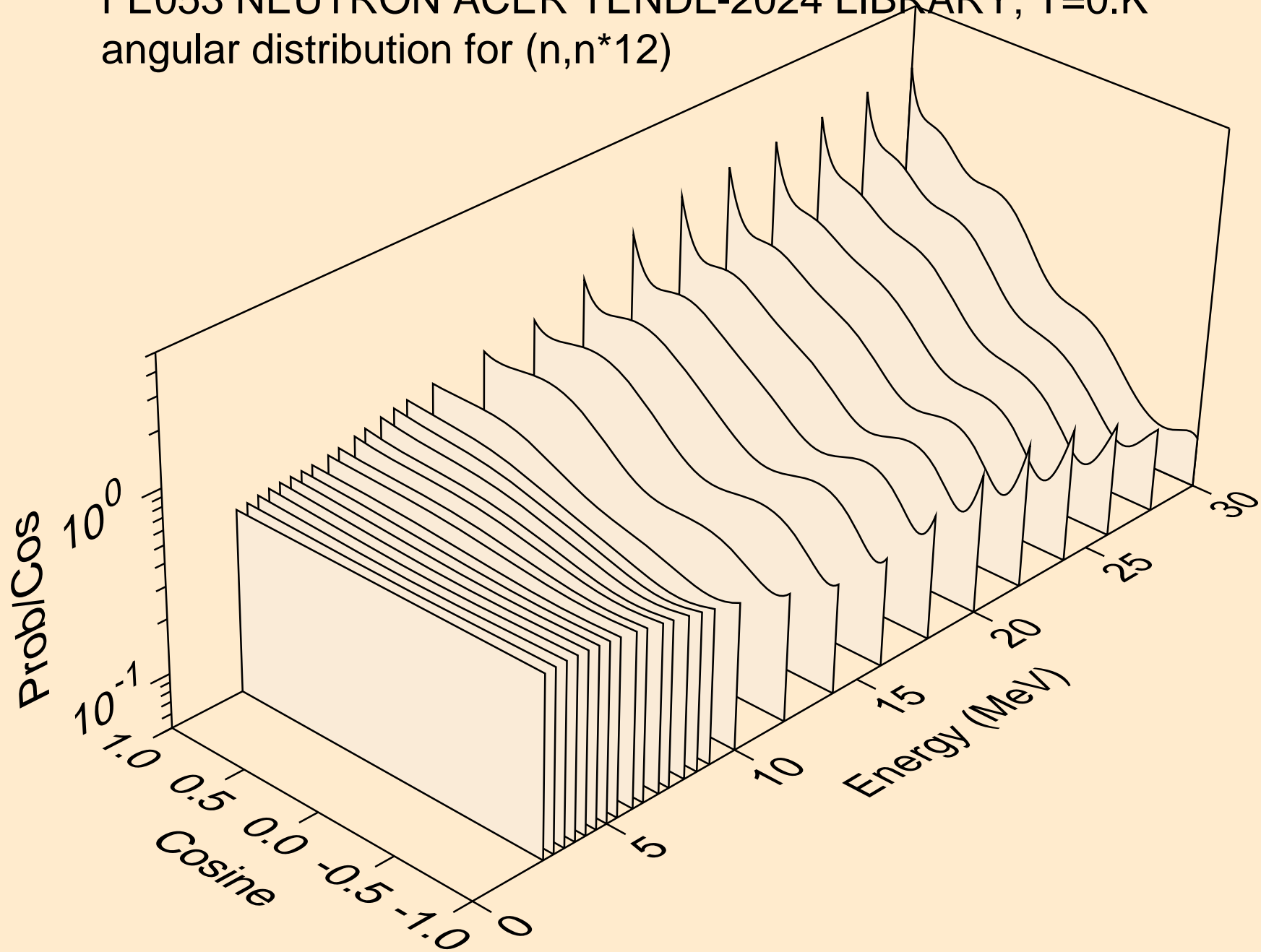
FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*10)



FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*11)

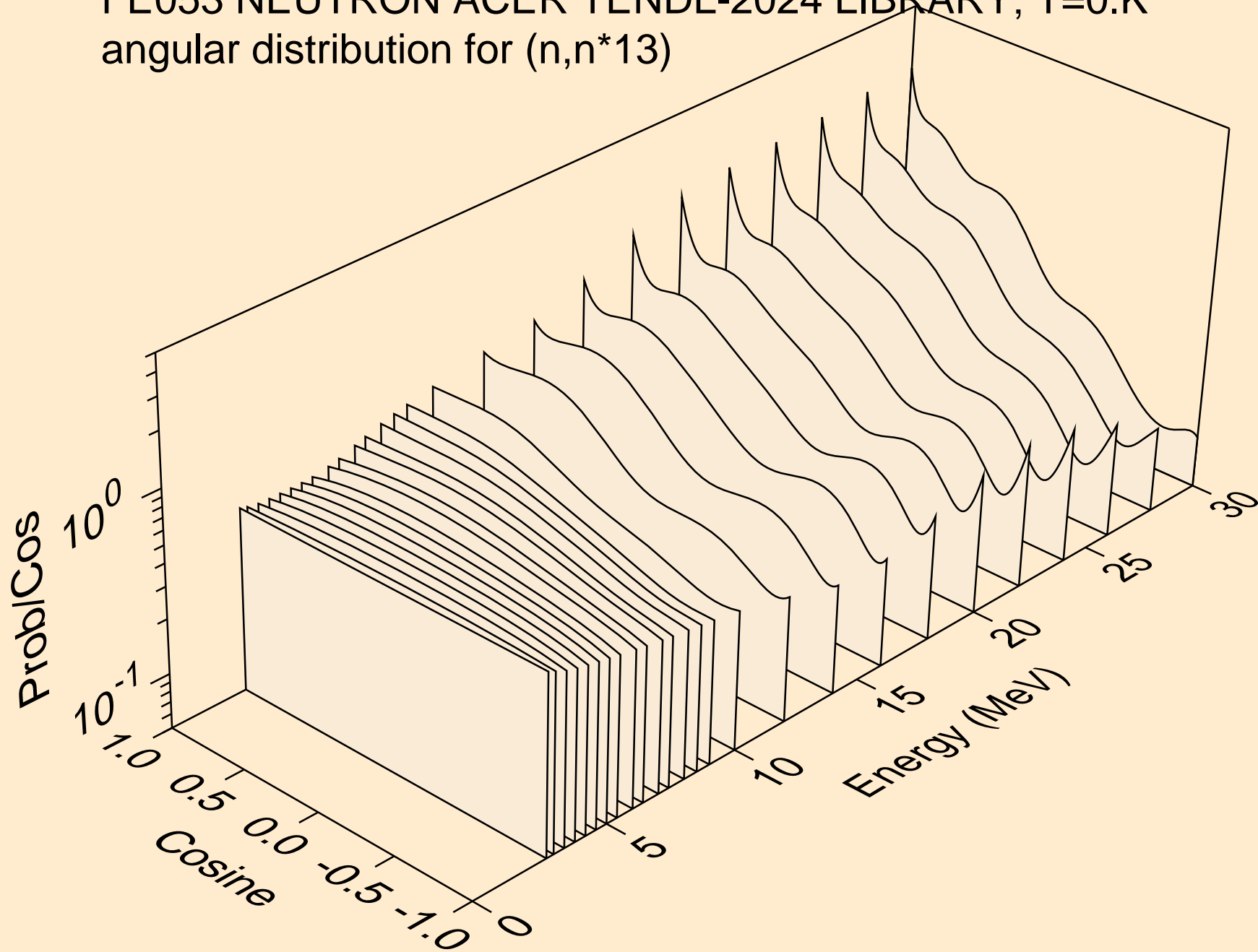


FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*12)

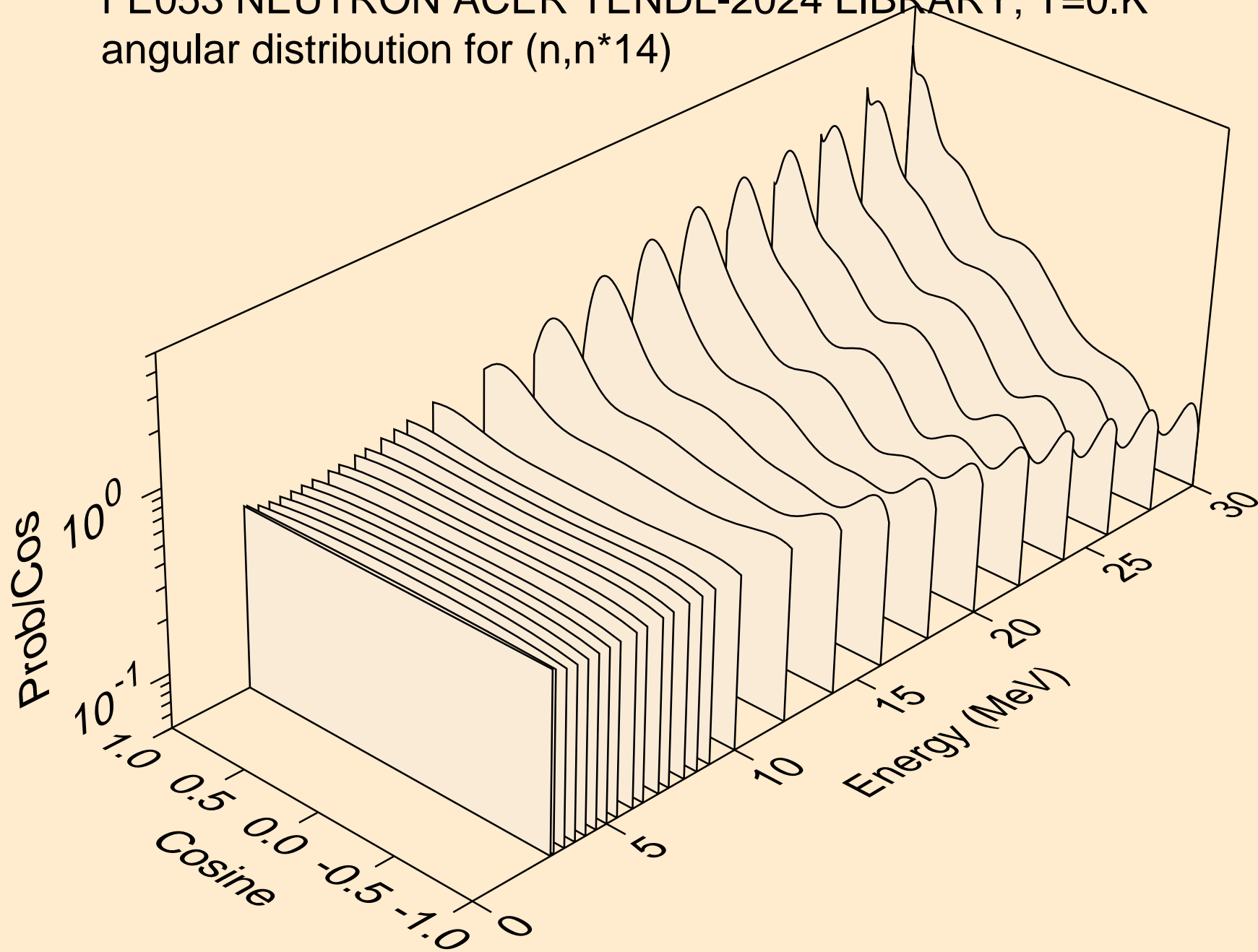




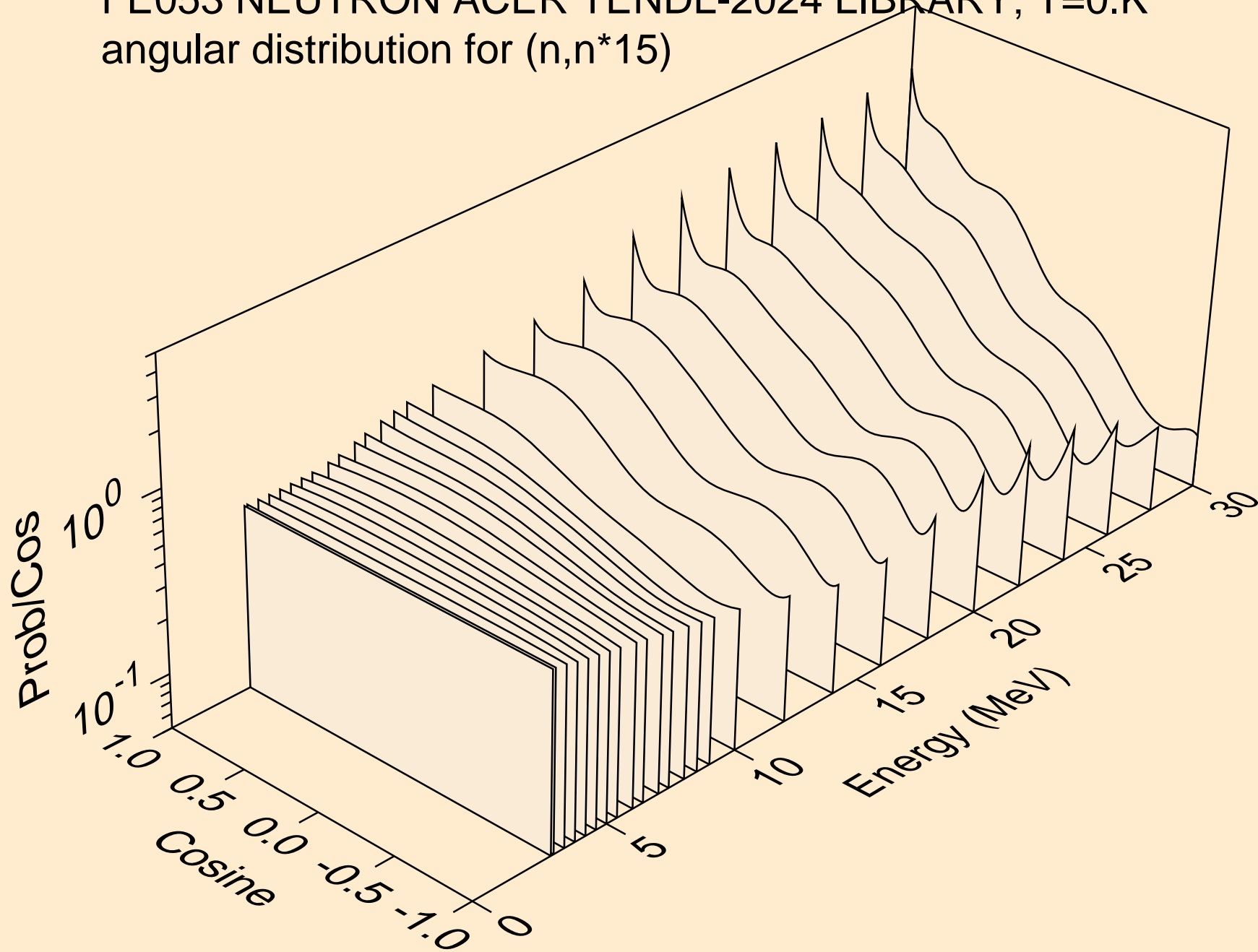
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angular distribution for (n,n\*13)



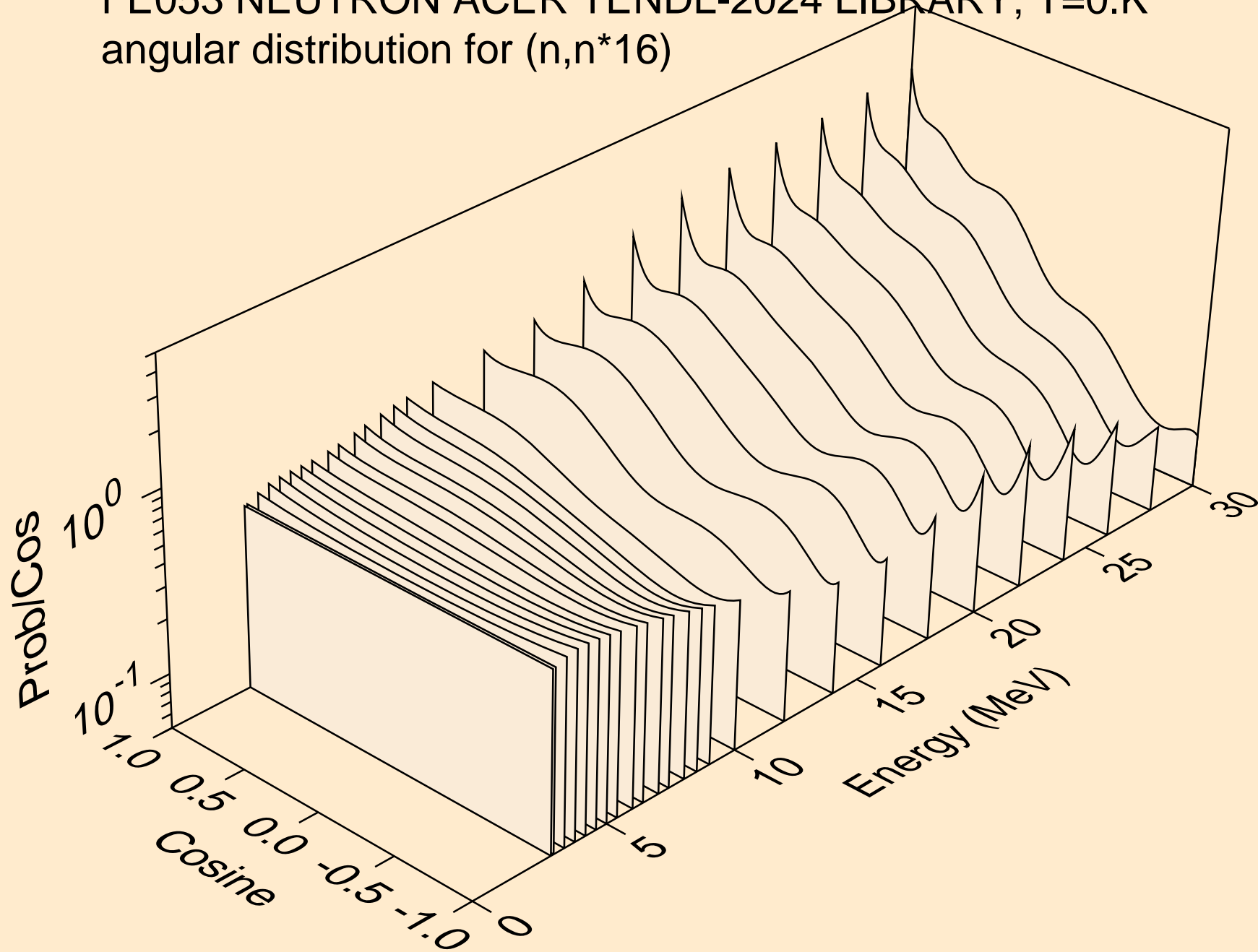
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angular distribution for (n,n\*14)



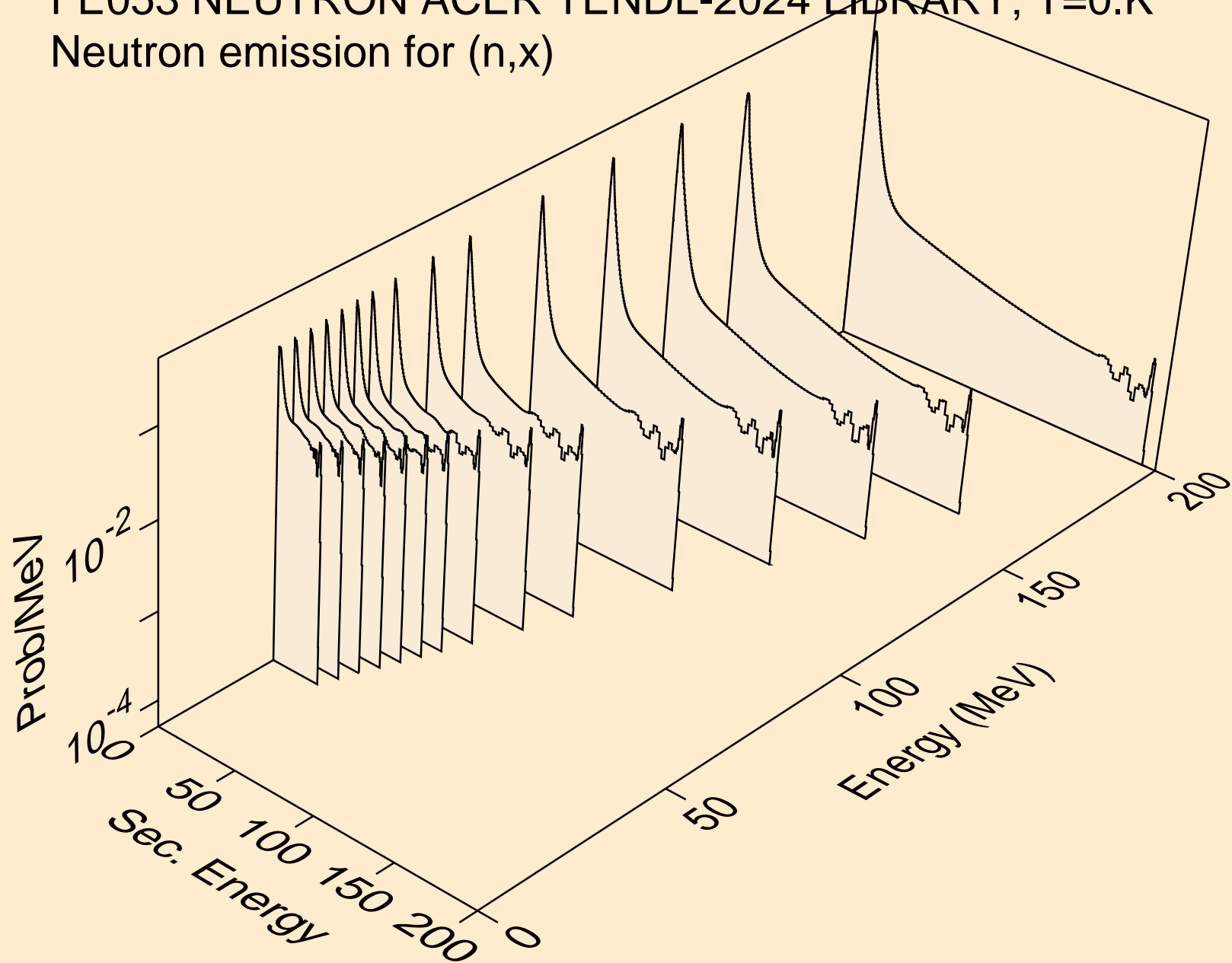
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angular distribution for (n,n\*15)



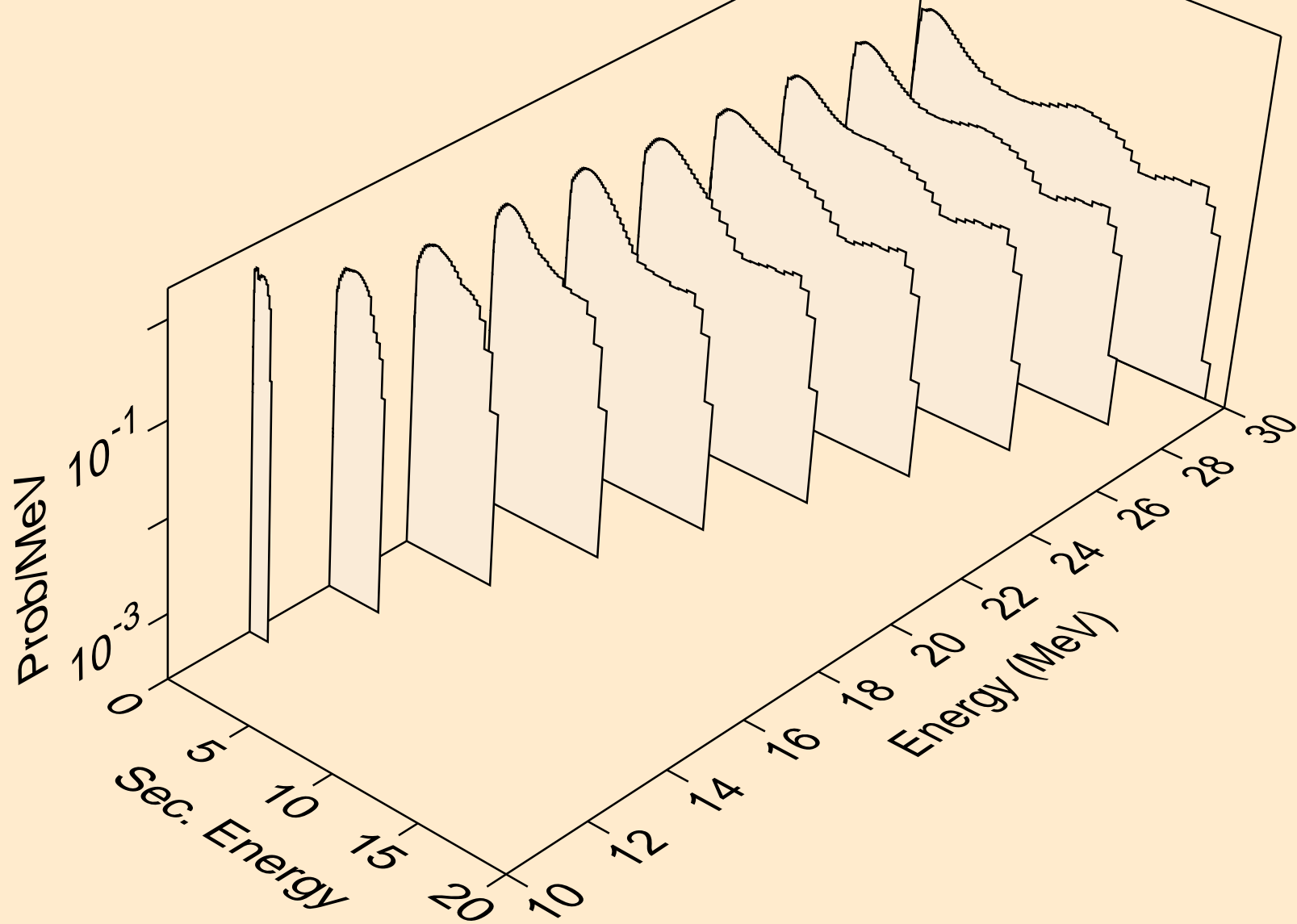
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angular distribution for (n,n\*16)



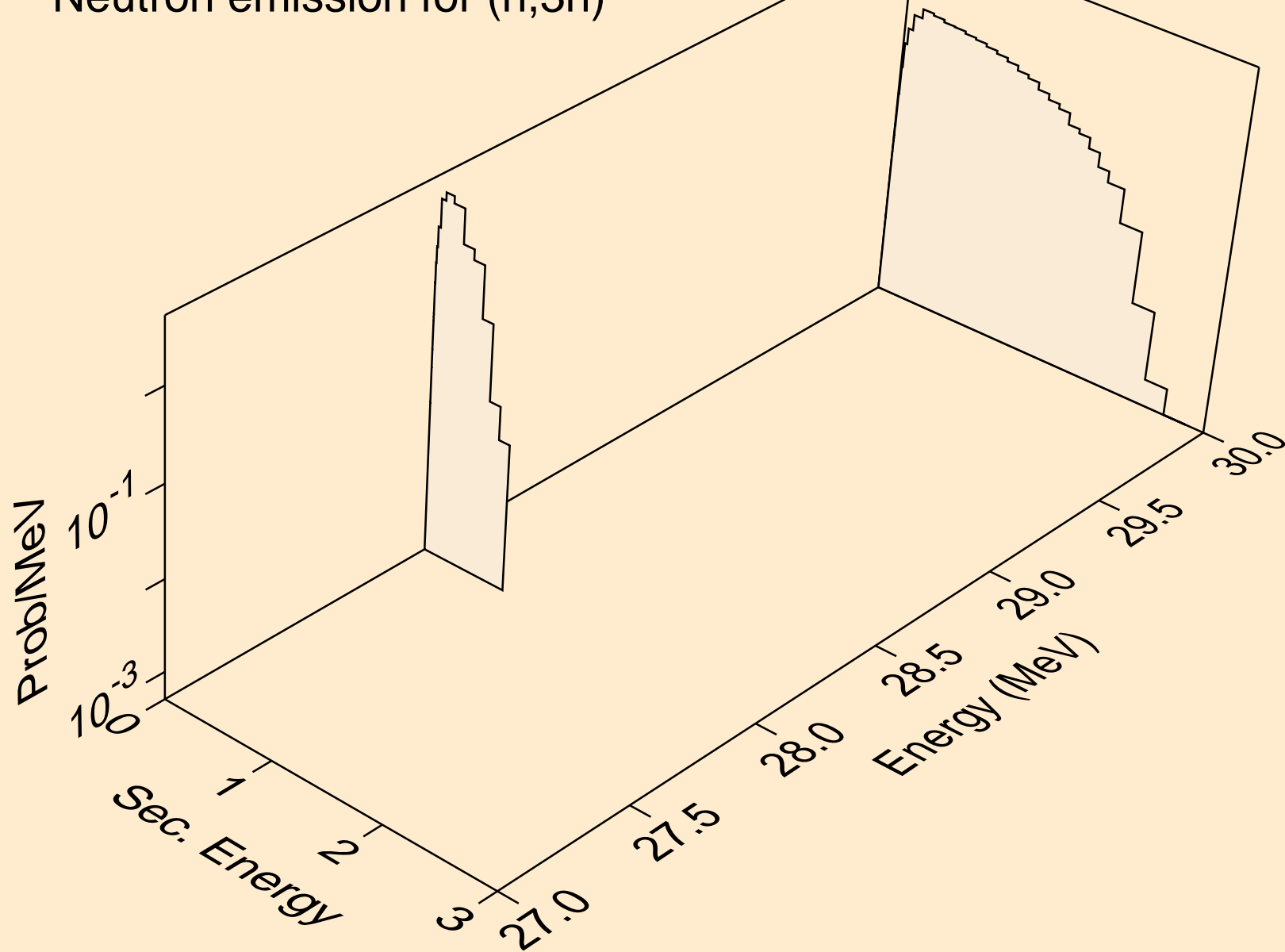
FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,x)



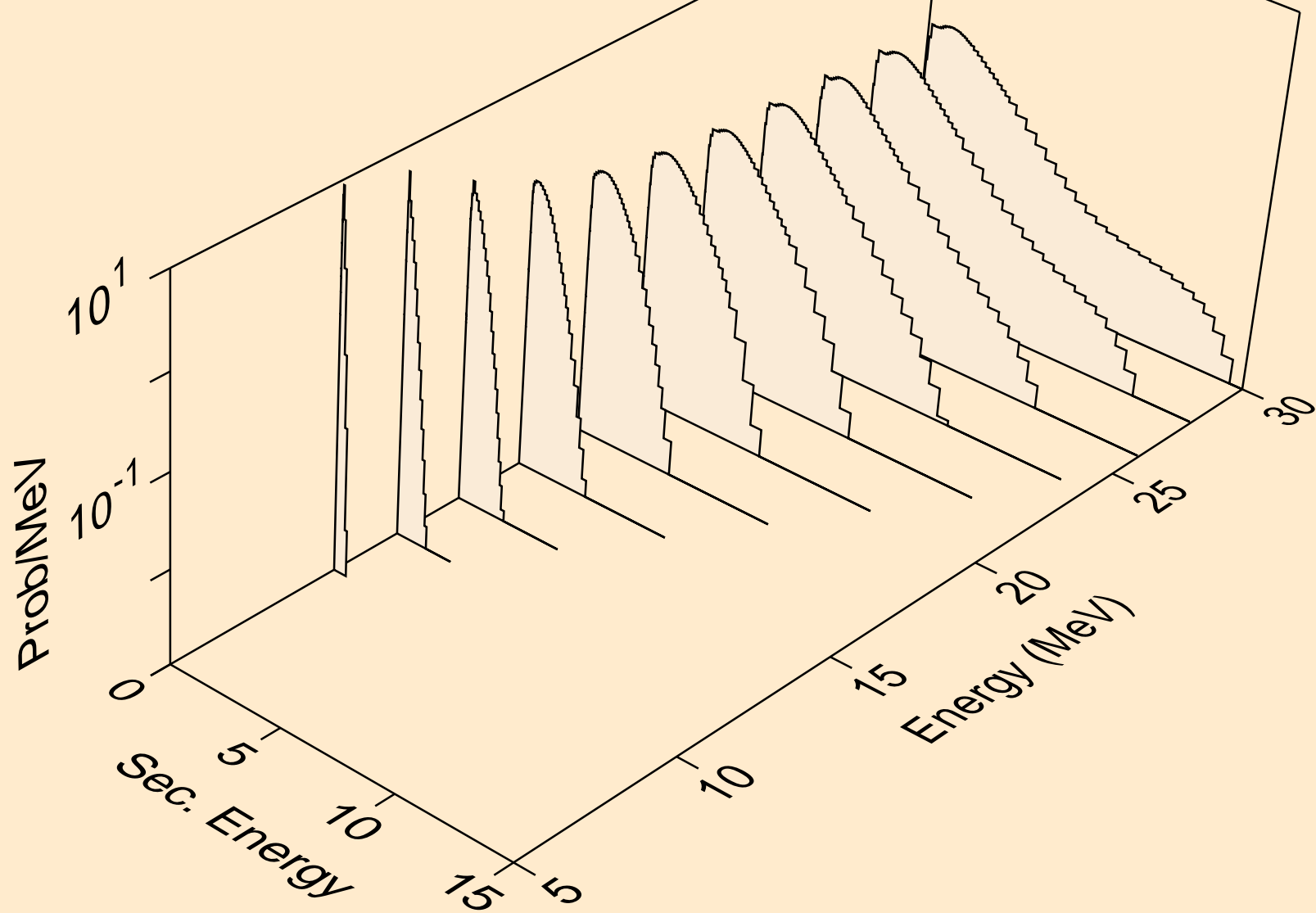
FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)



FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)

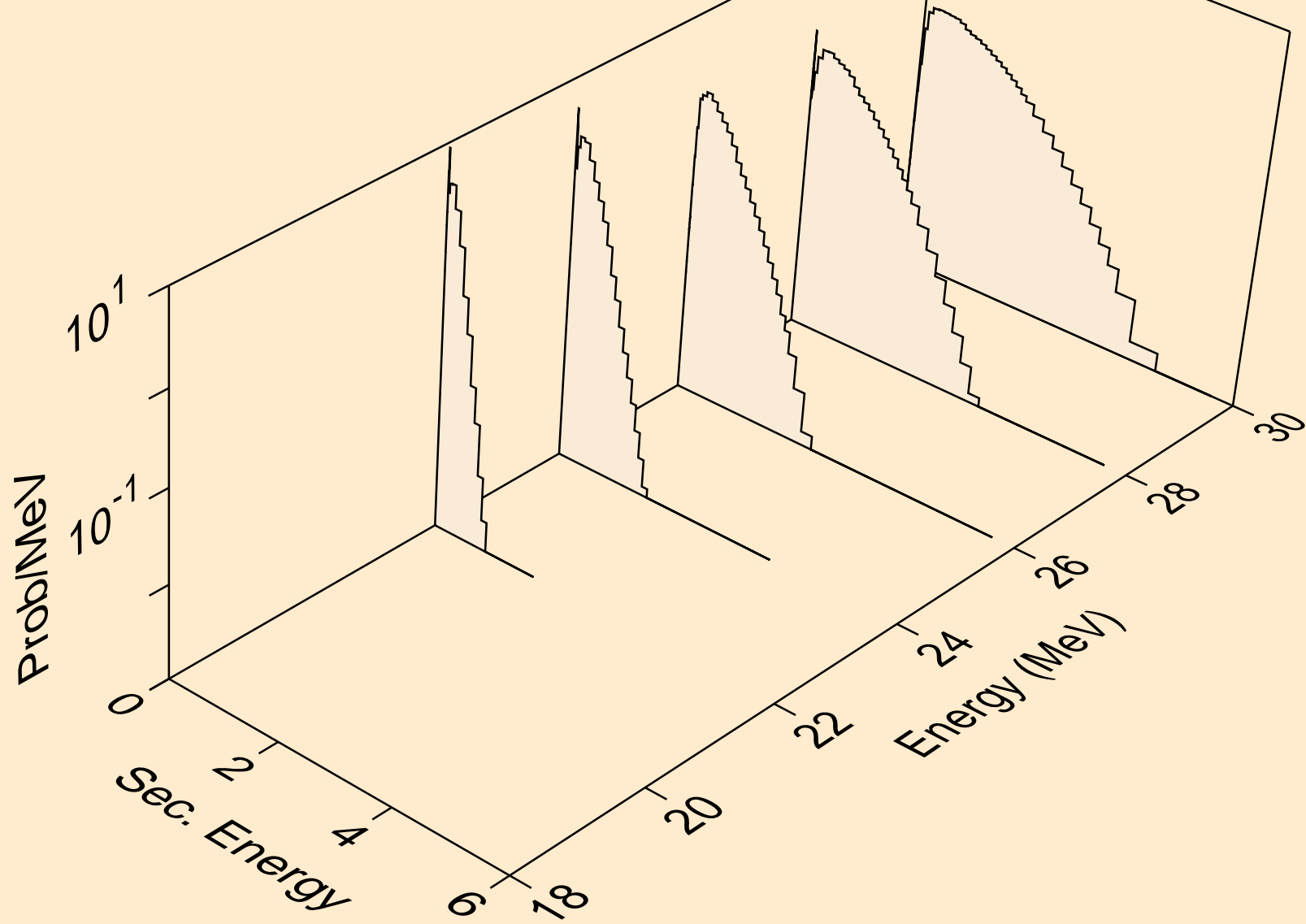


FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a

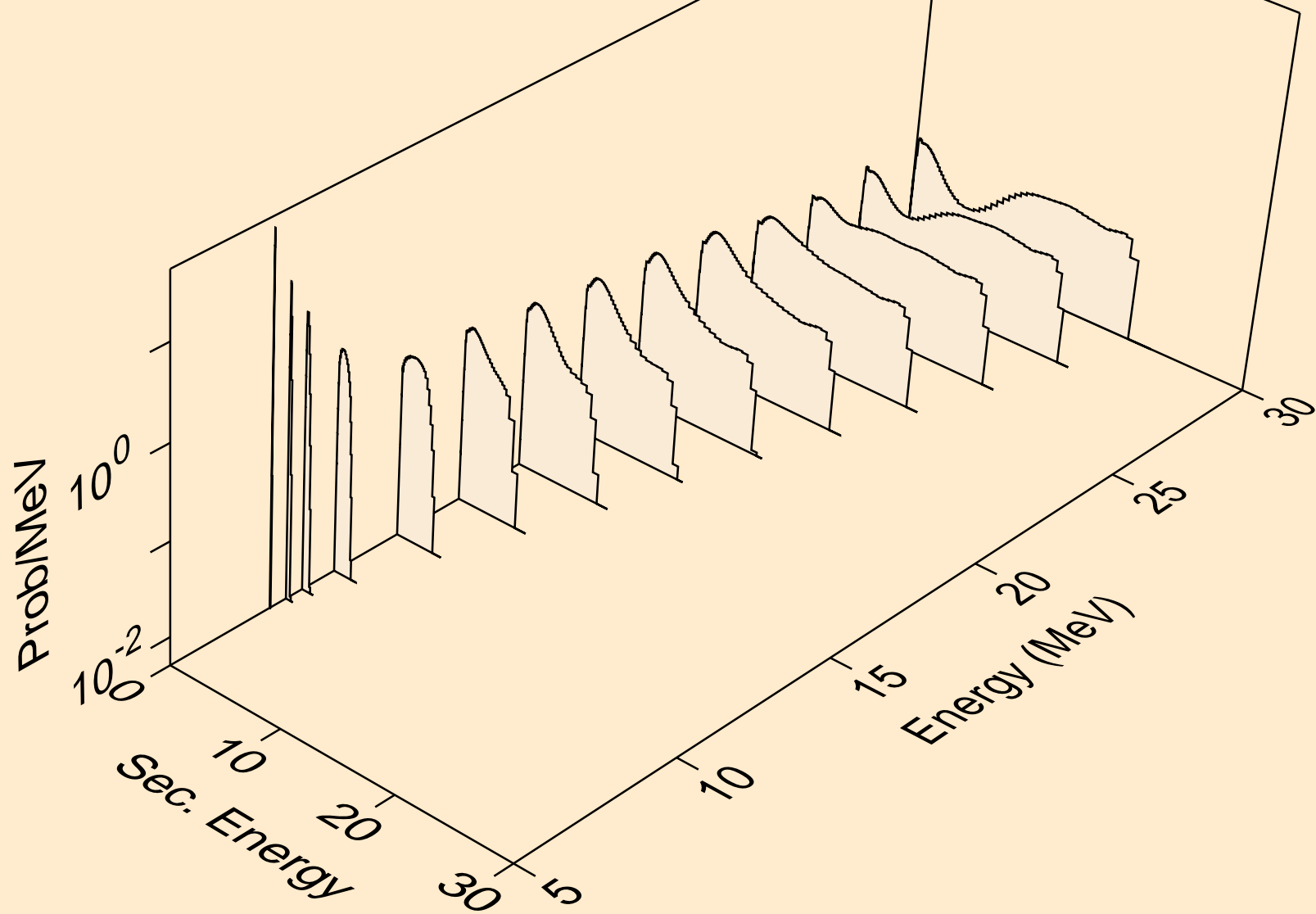




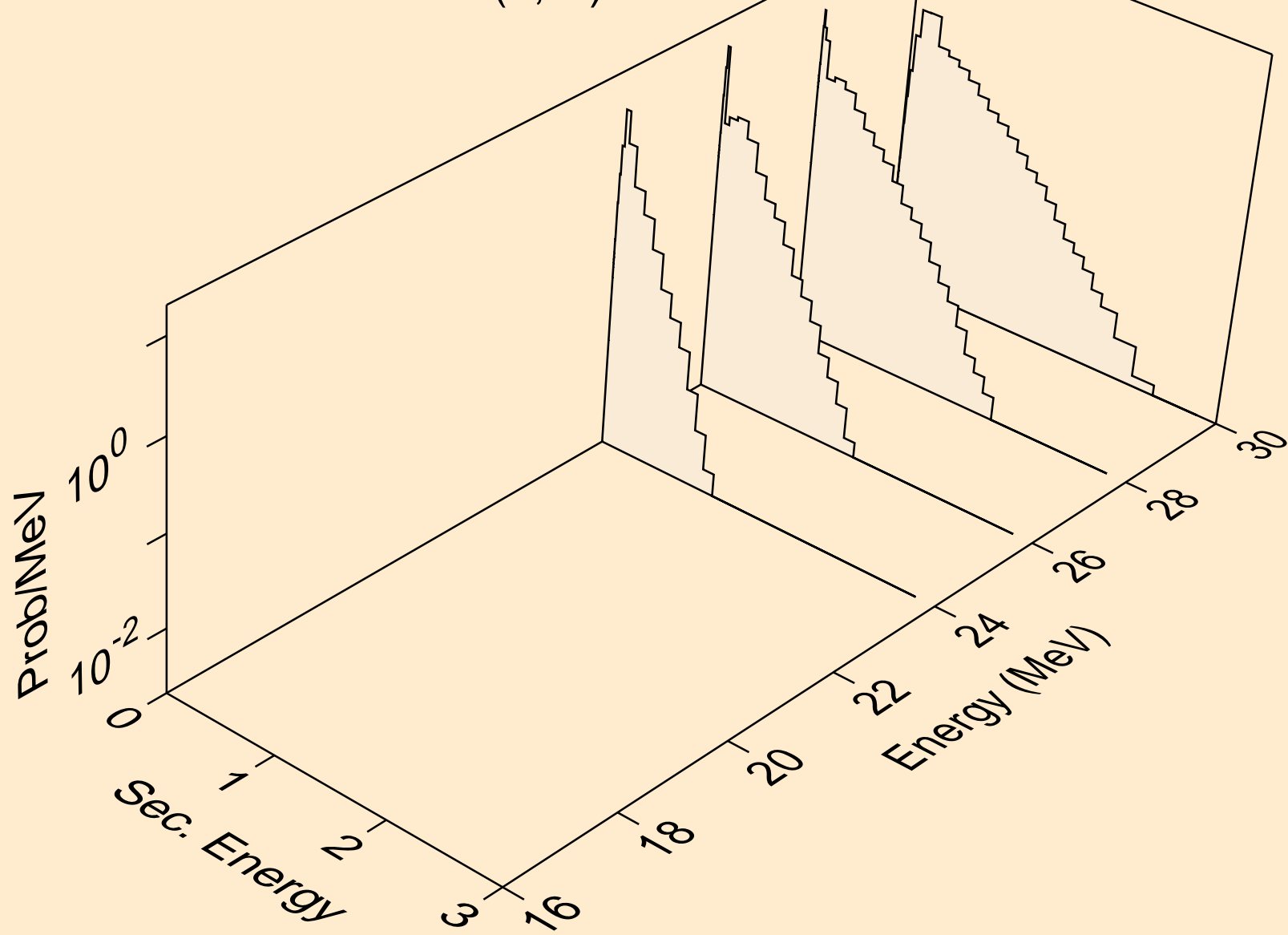
FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)a



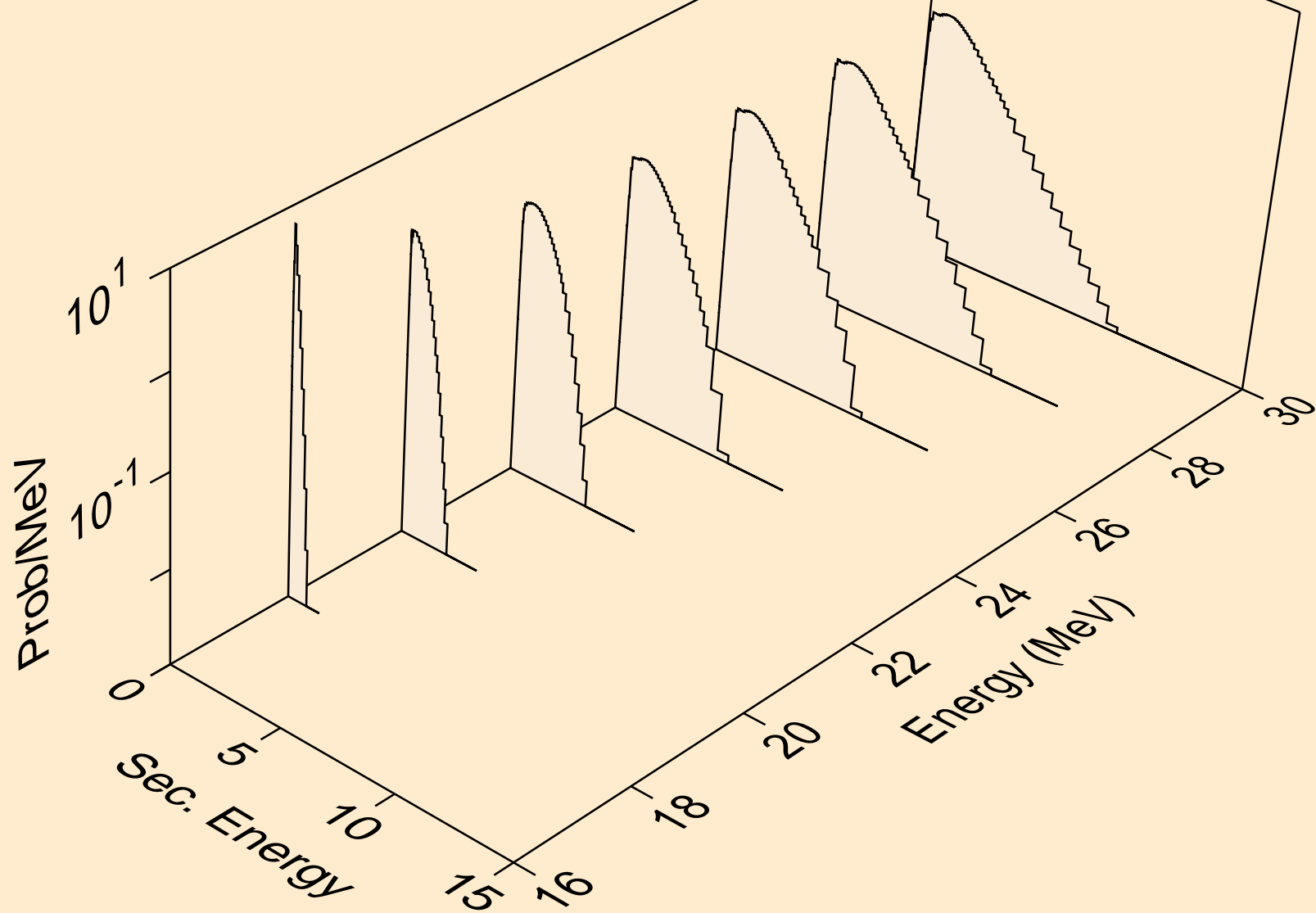
FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



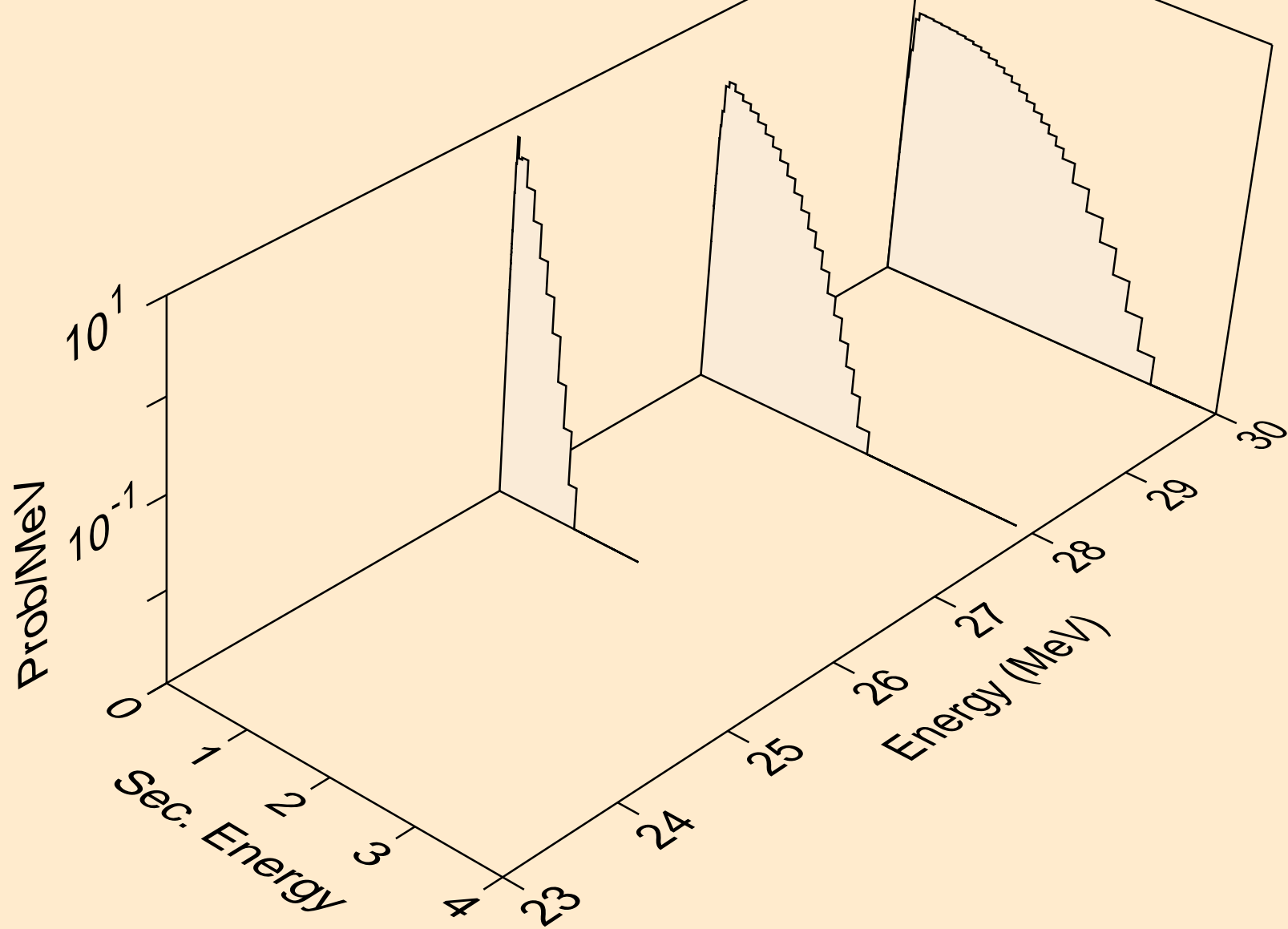
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Neutron emission for (n,n\*)2a



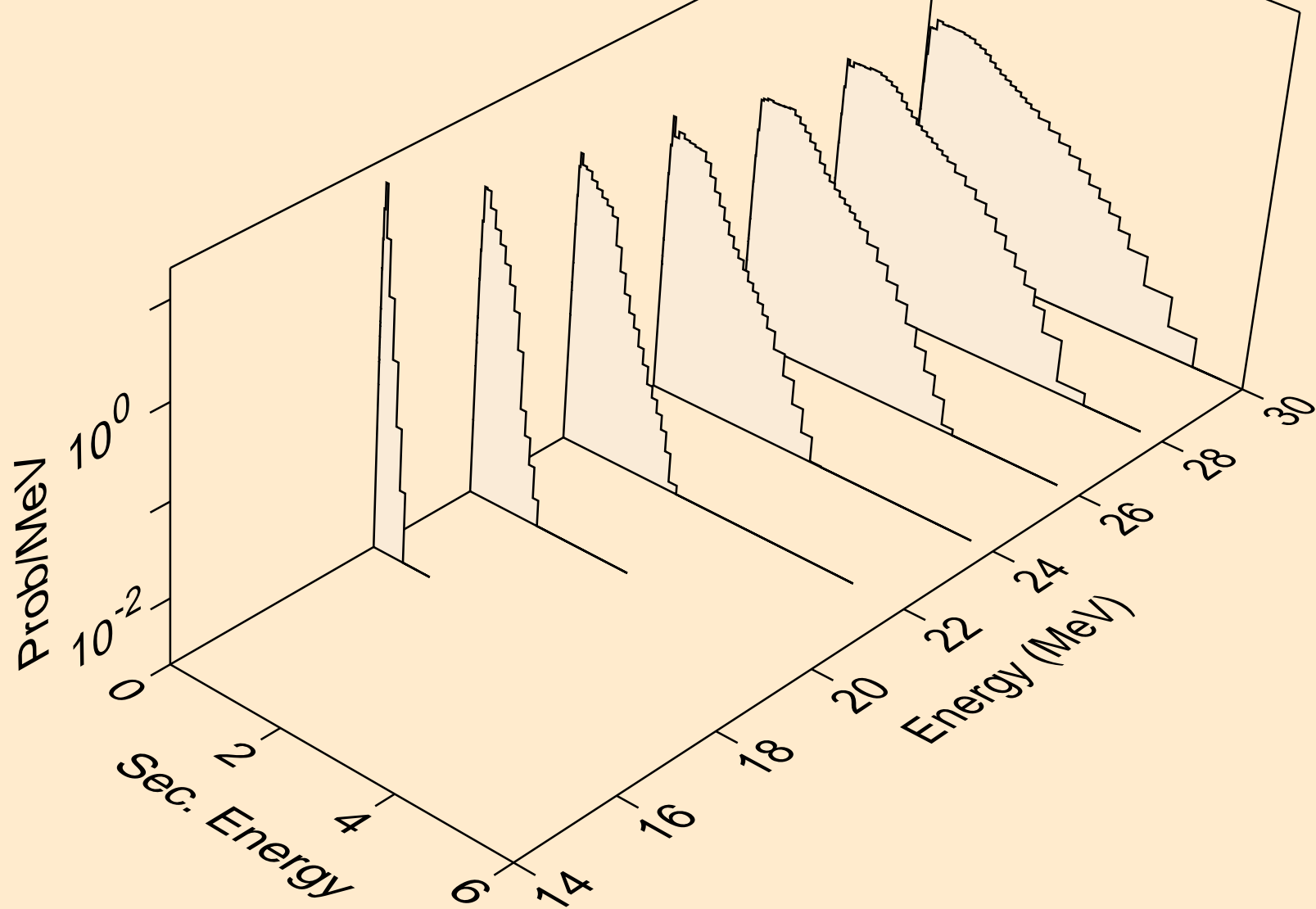
FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d



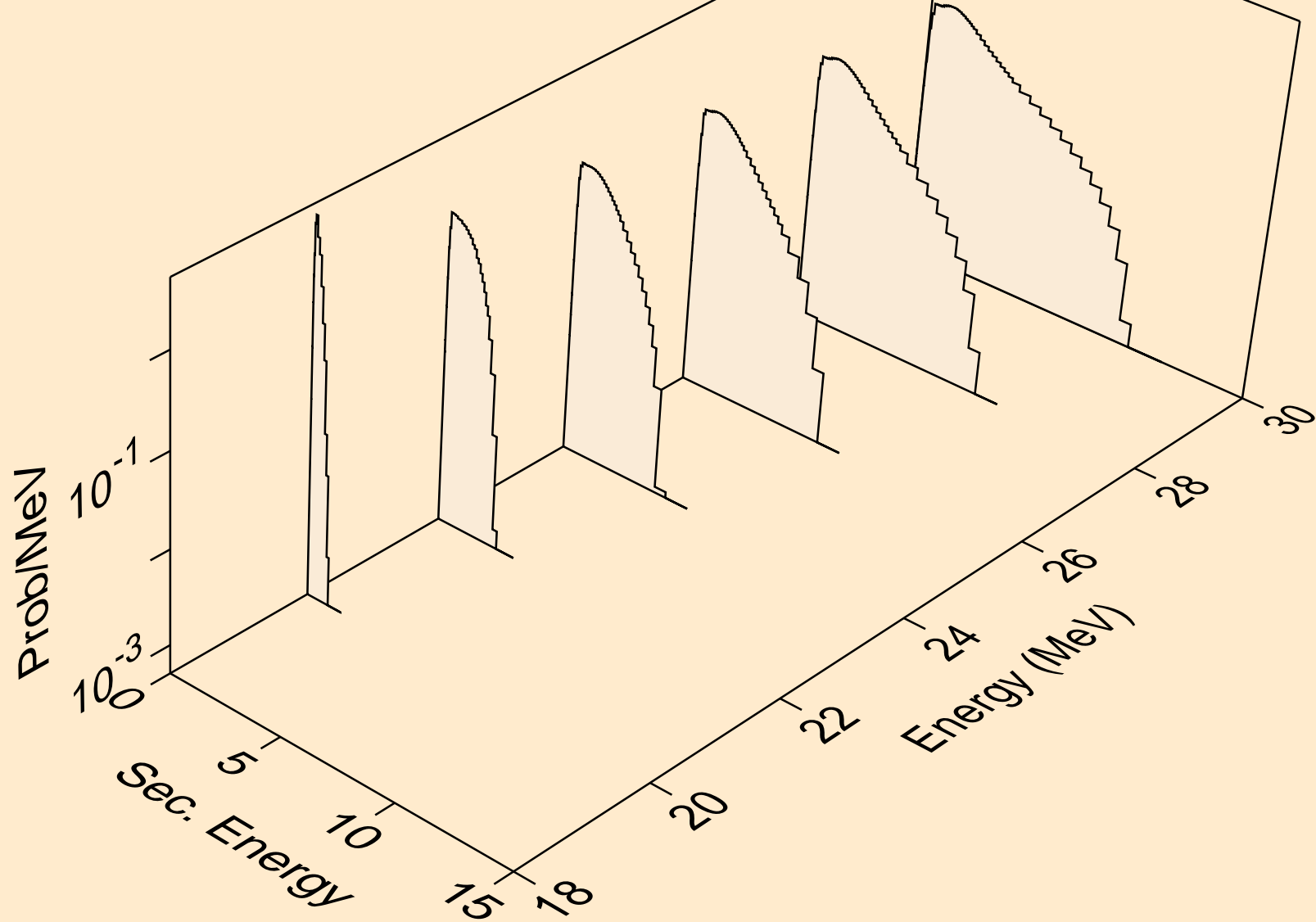
FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



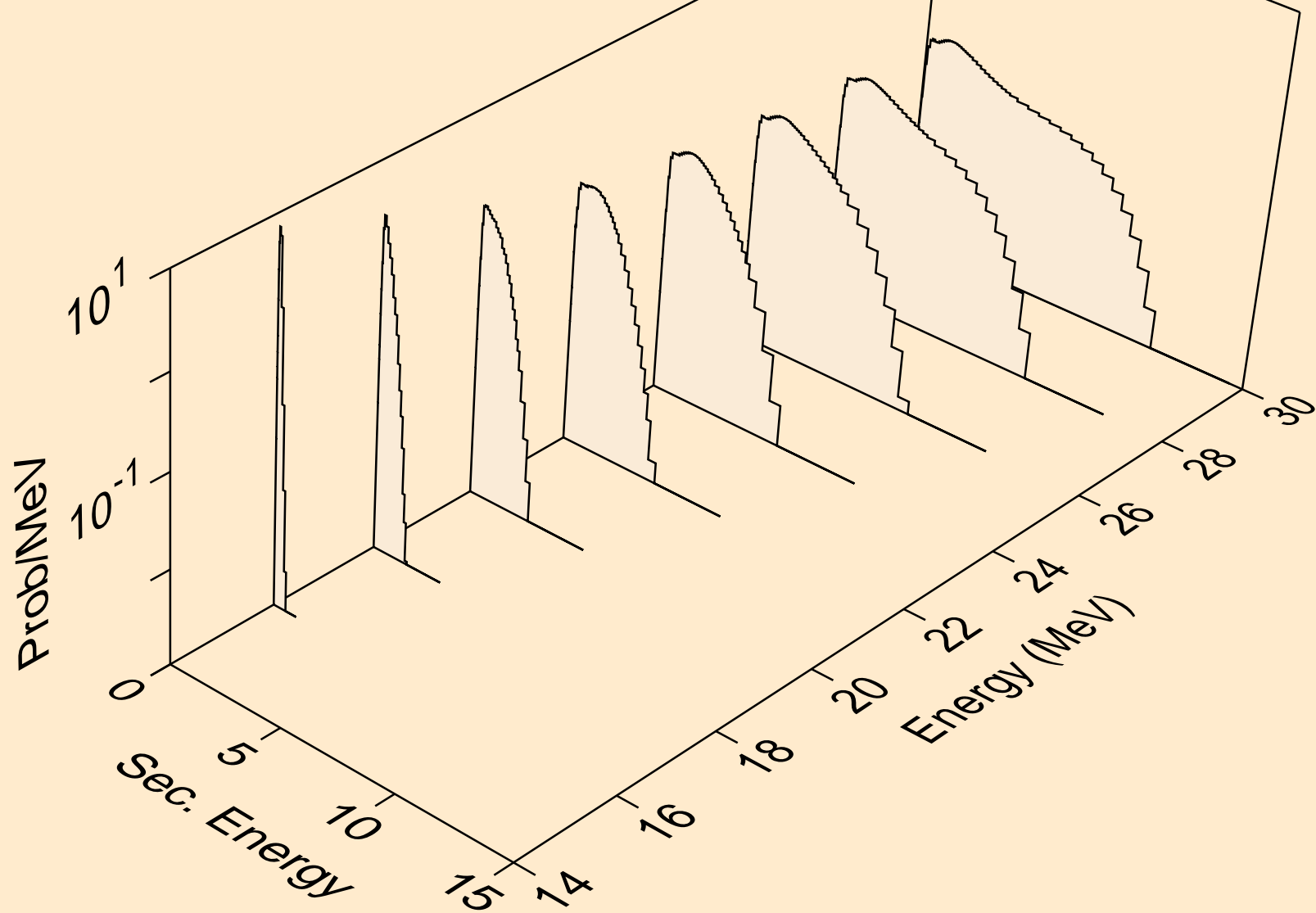
FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2np)

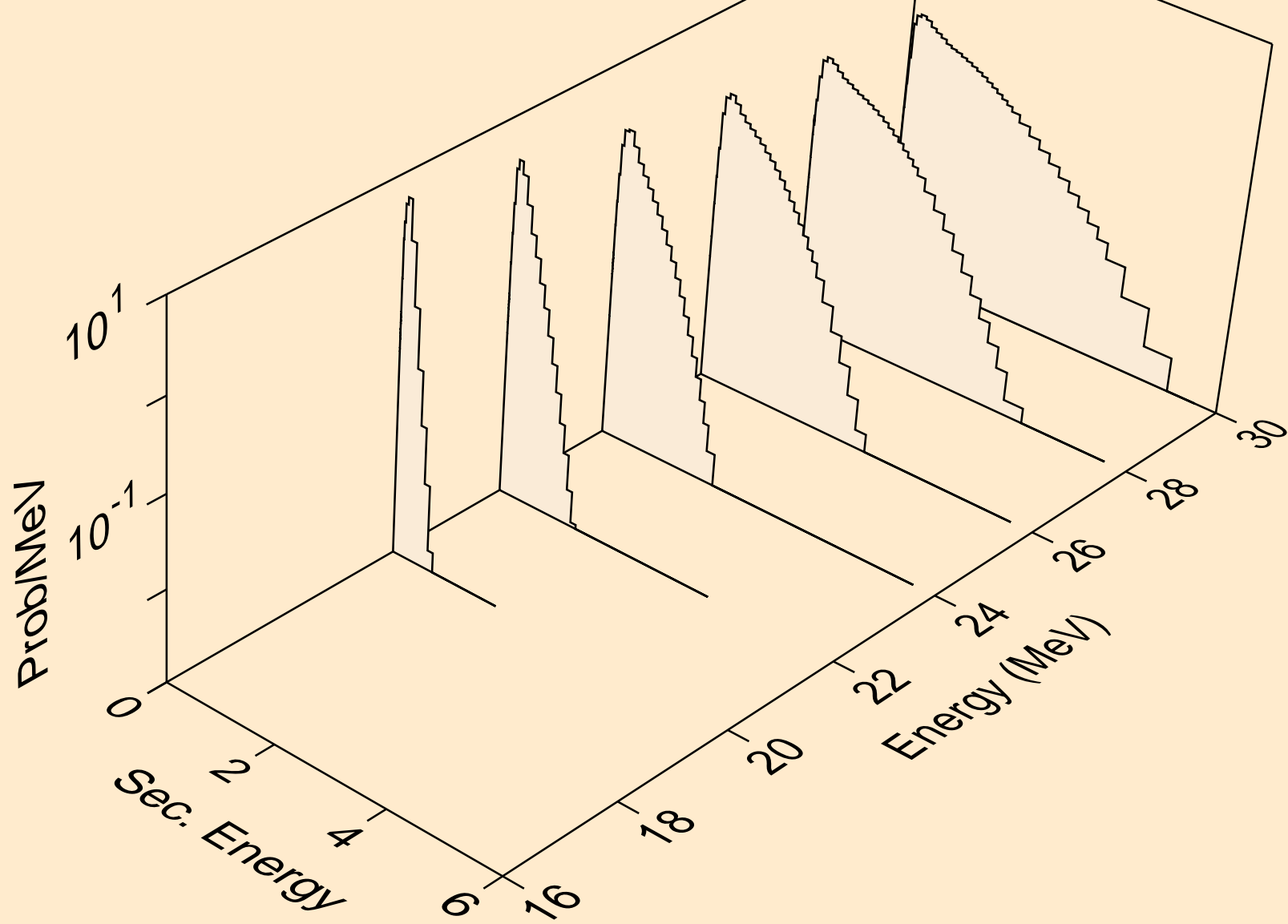


FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n2p)

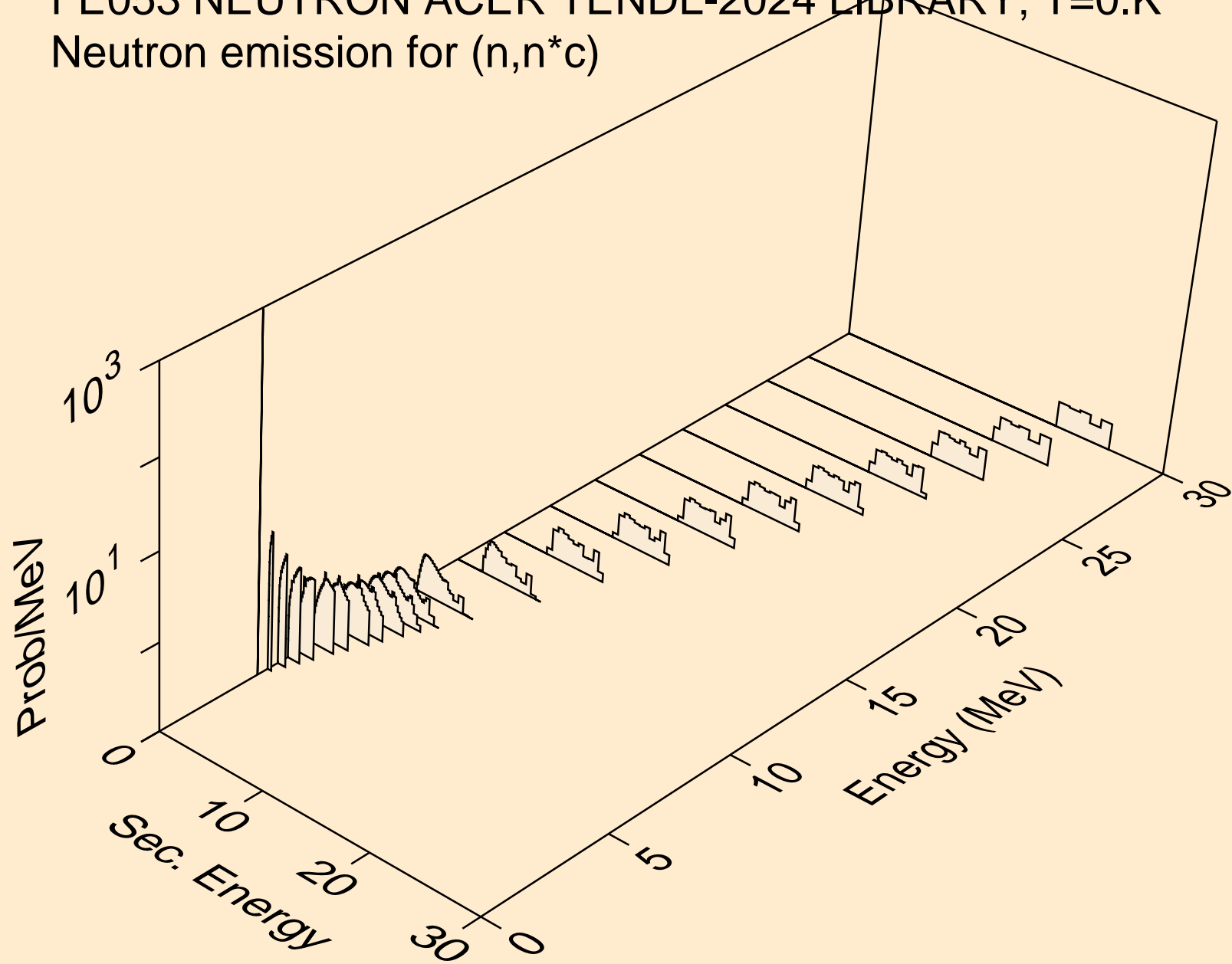




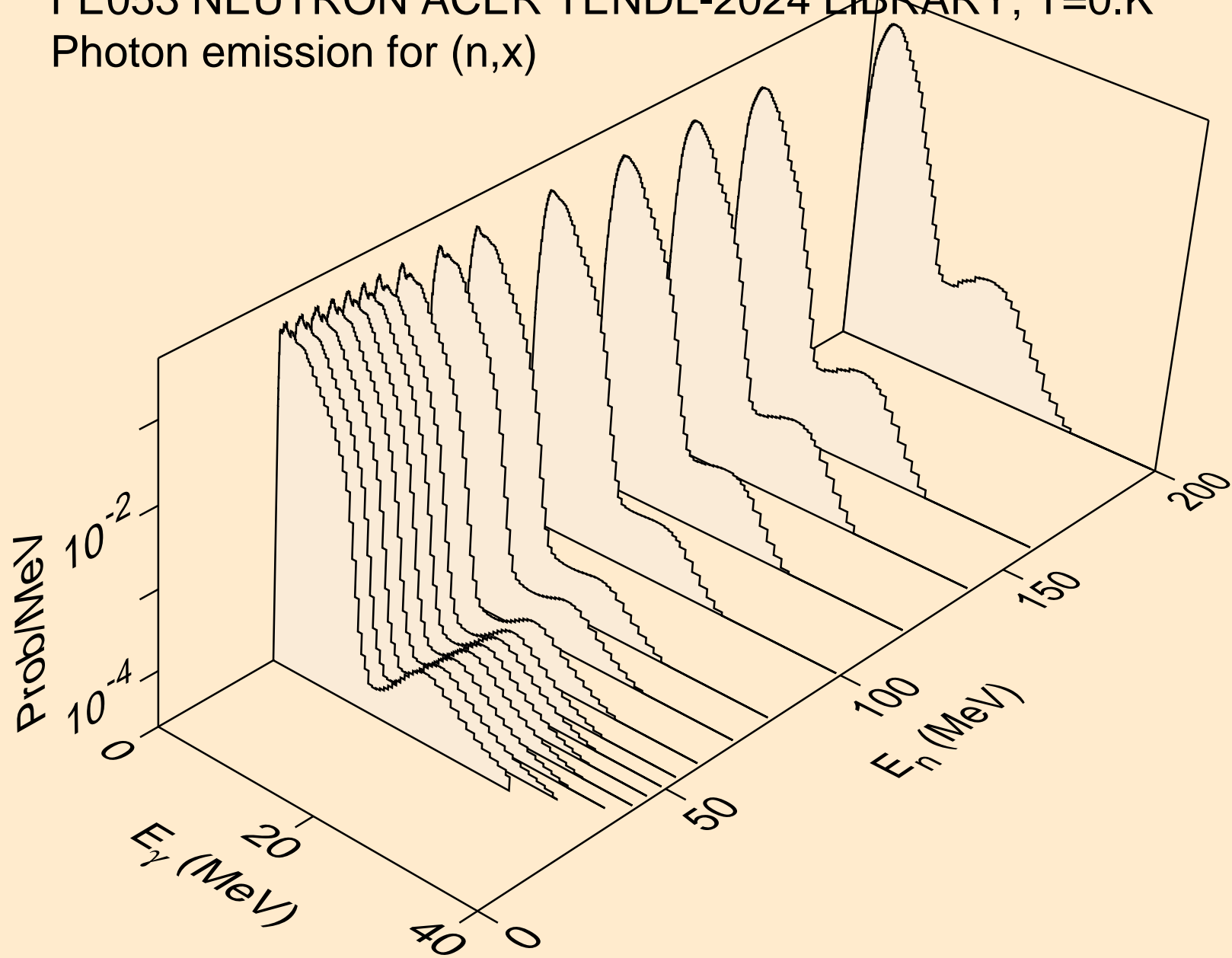
FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,npa)



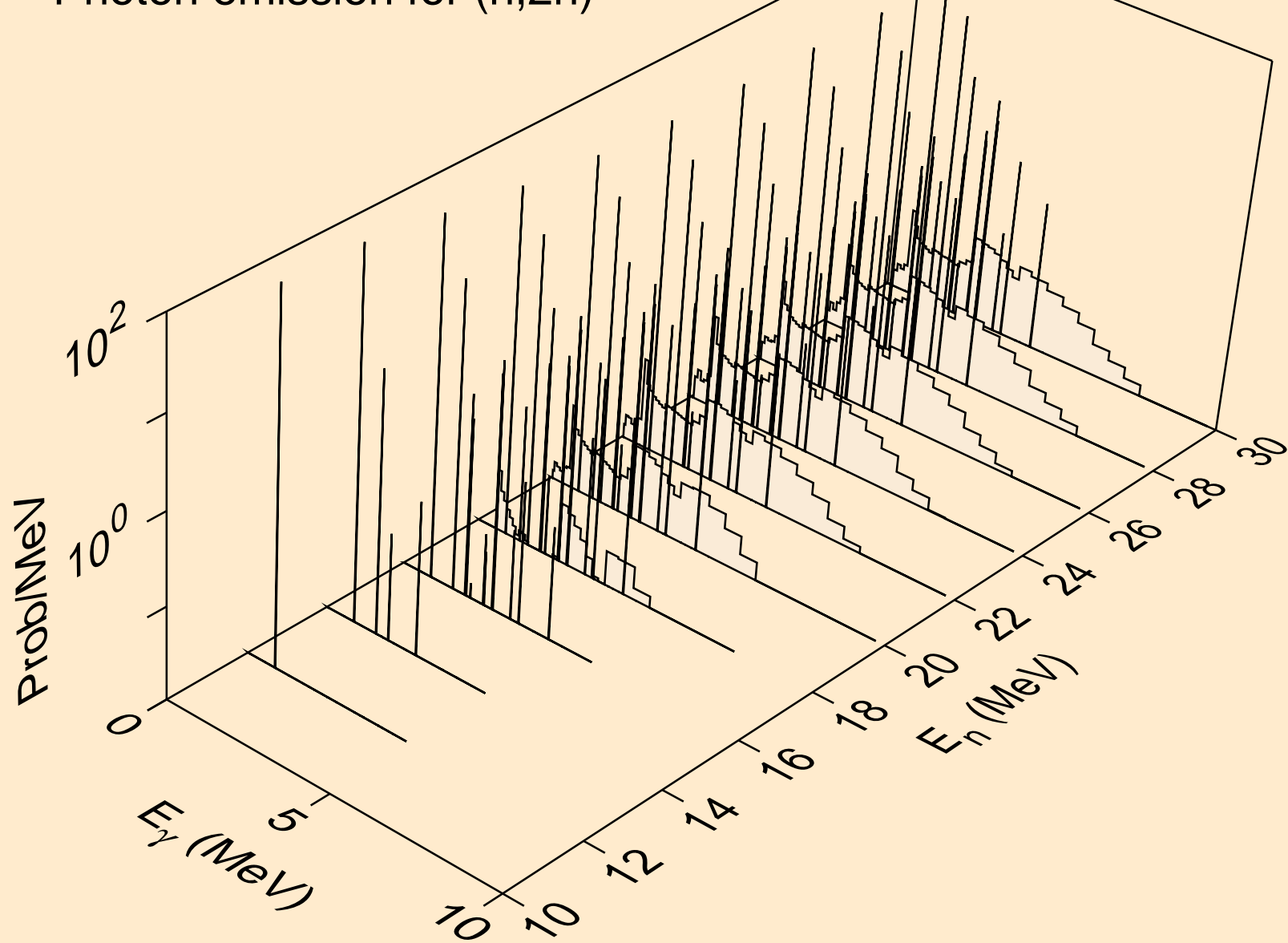
FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)



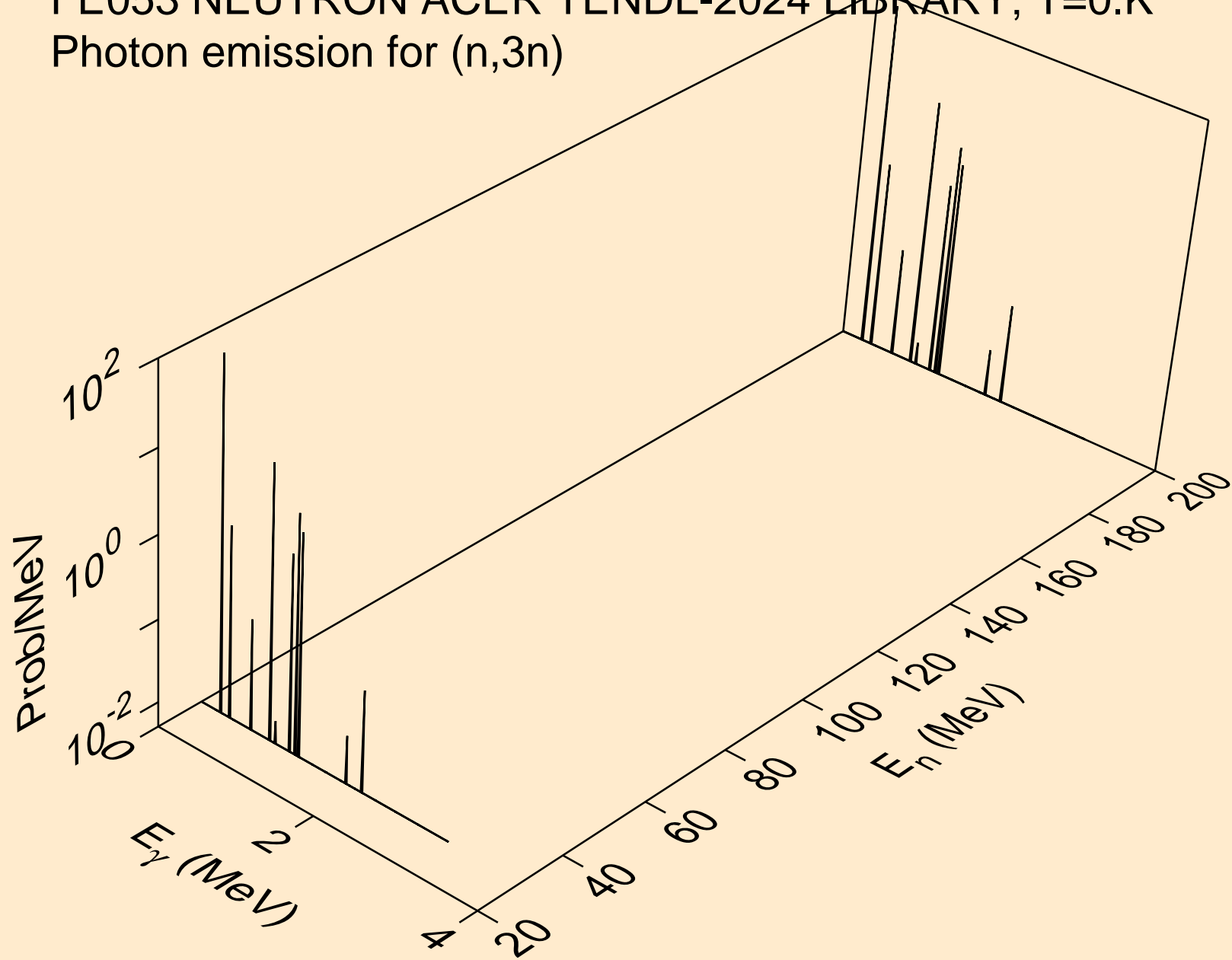
FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,x)



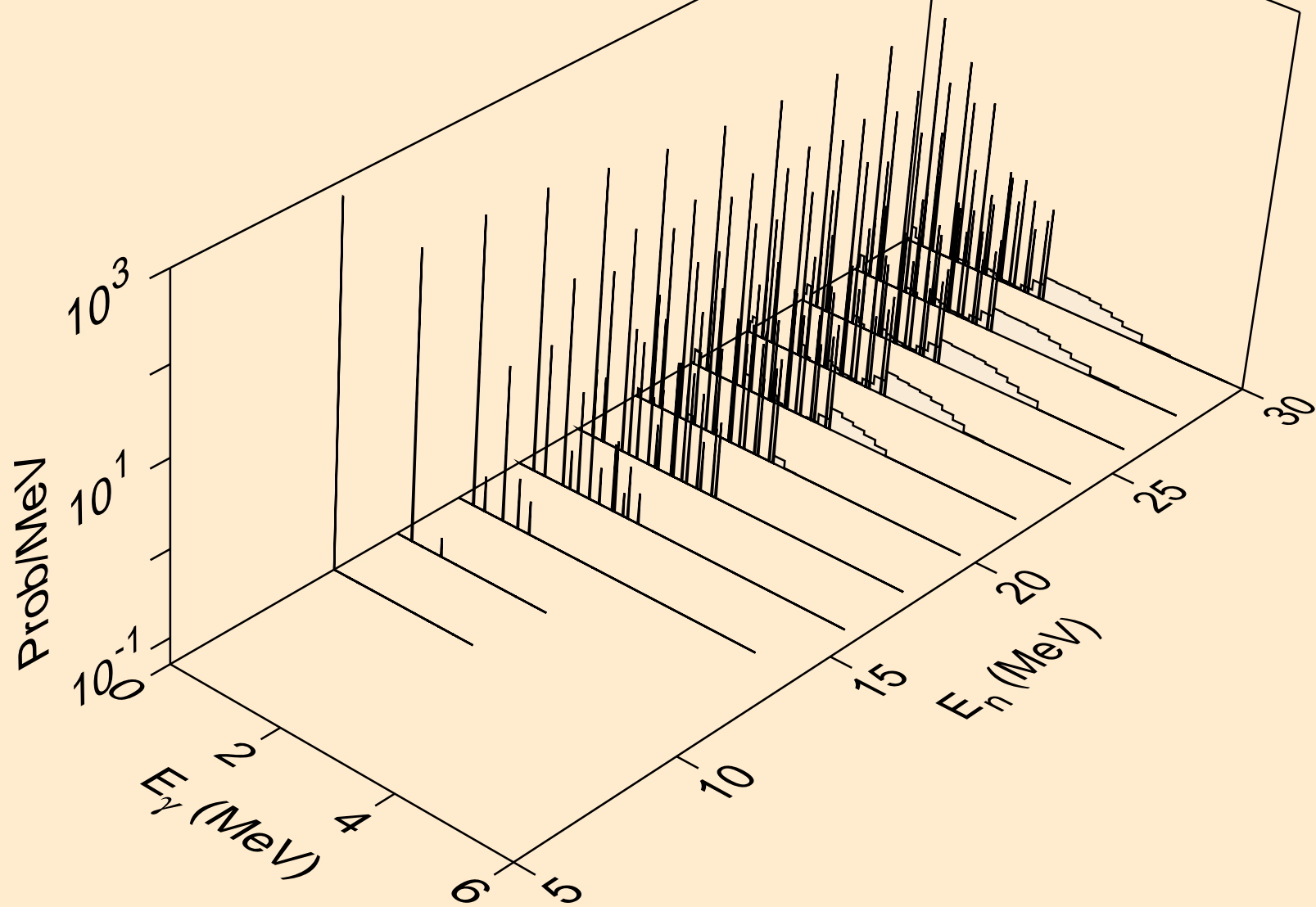
FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)



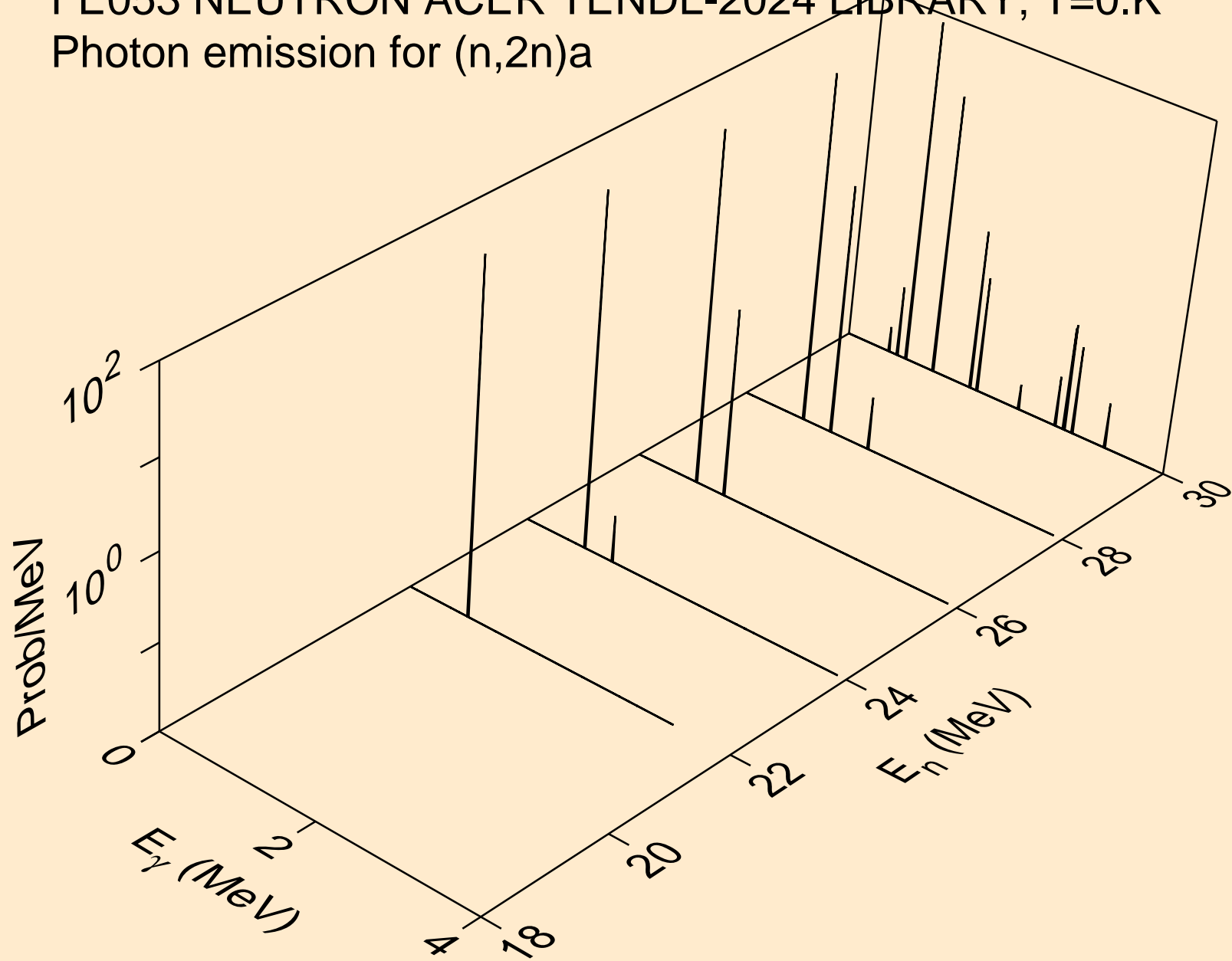
FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)



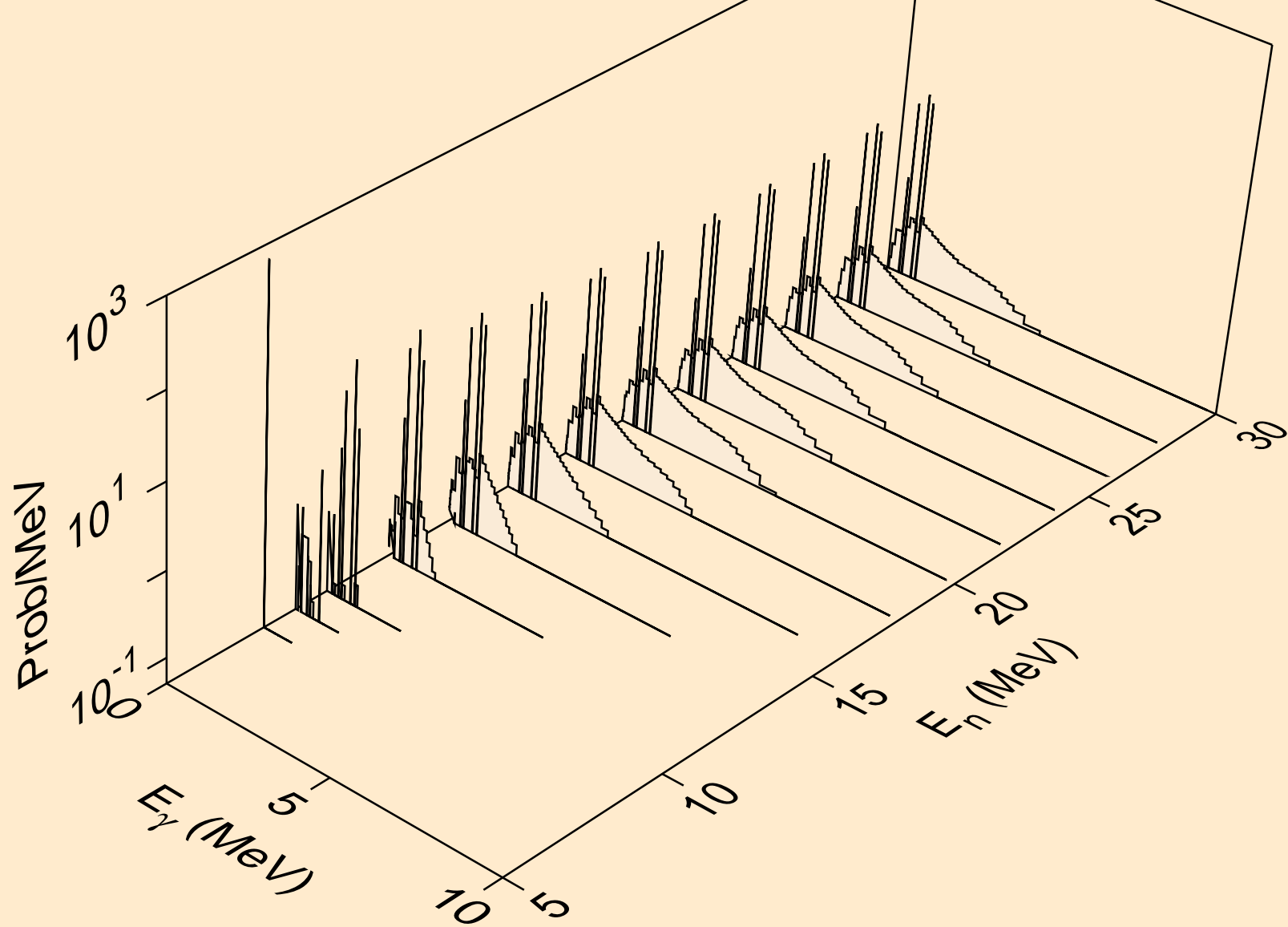
FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)a

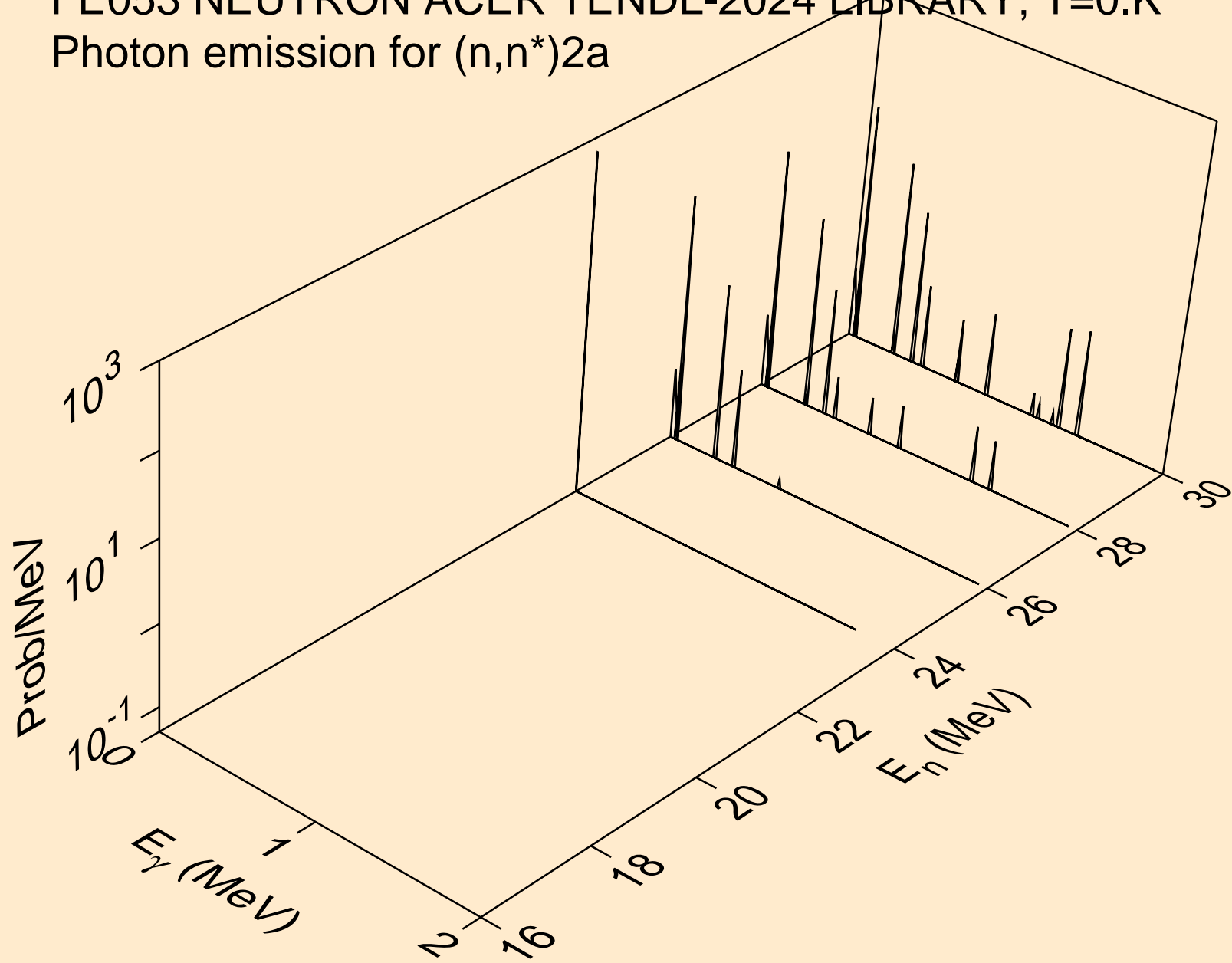


FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)p

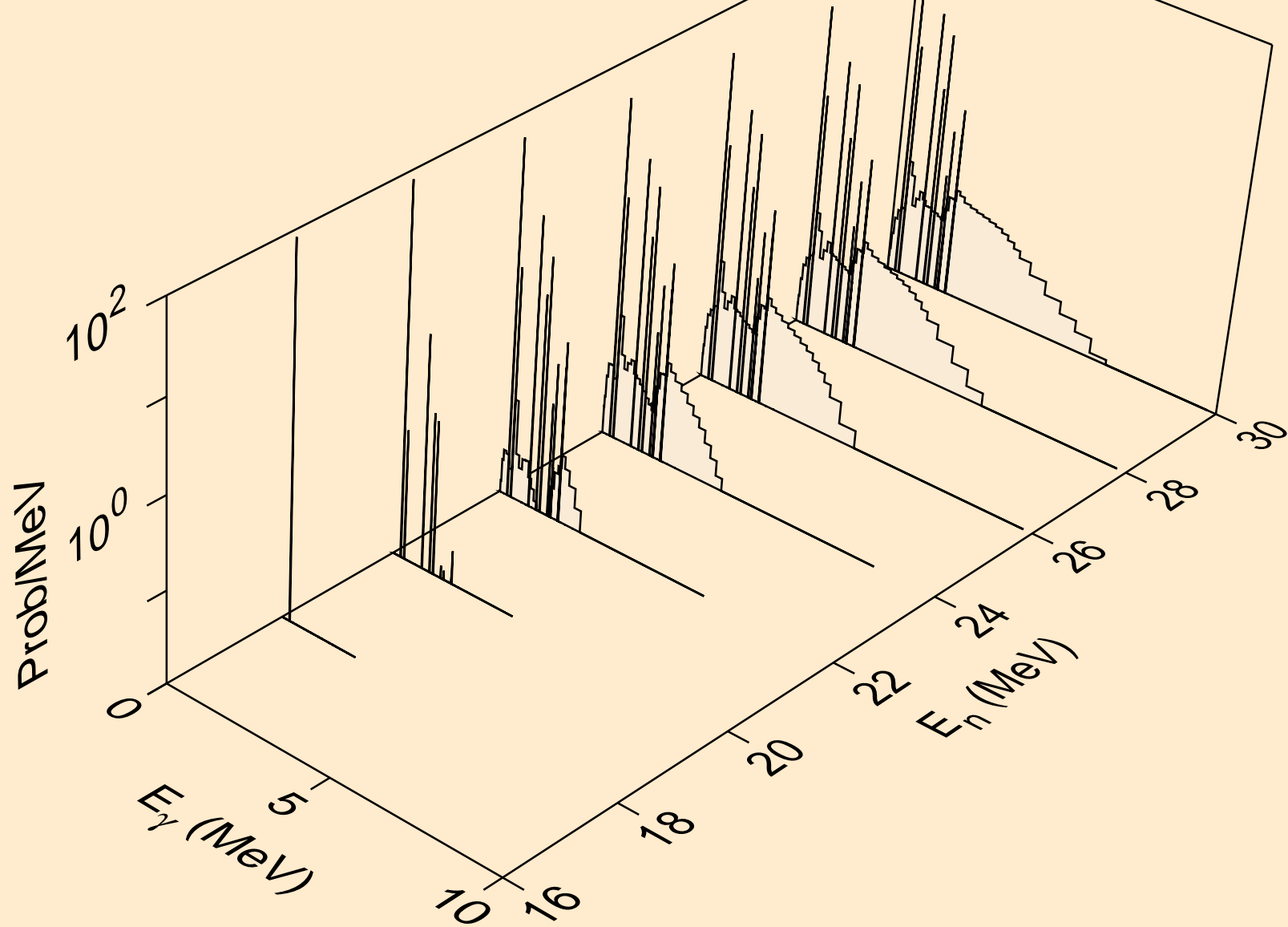




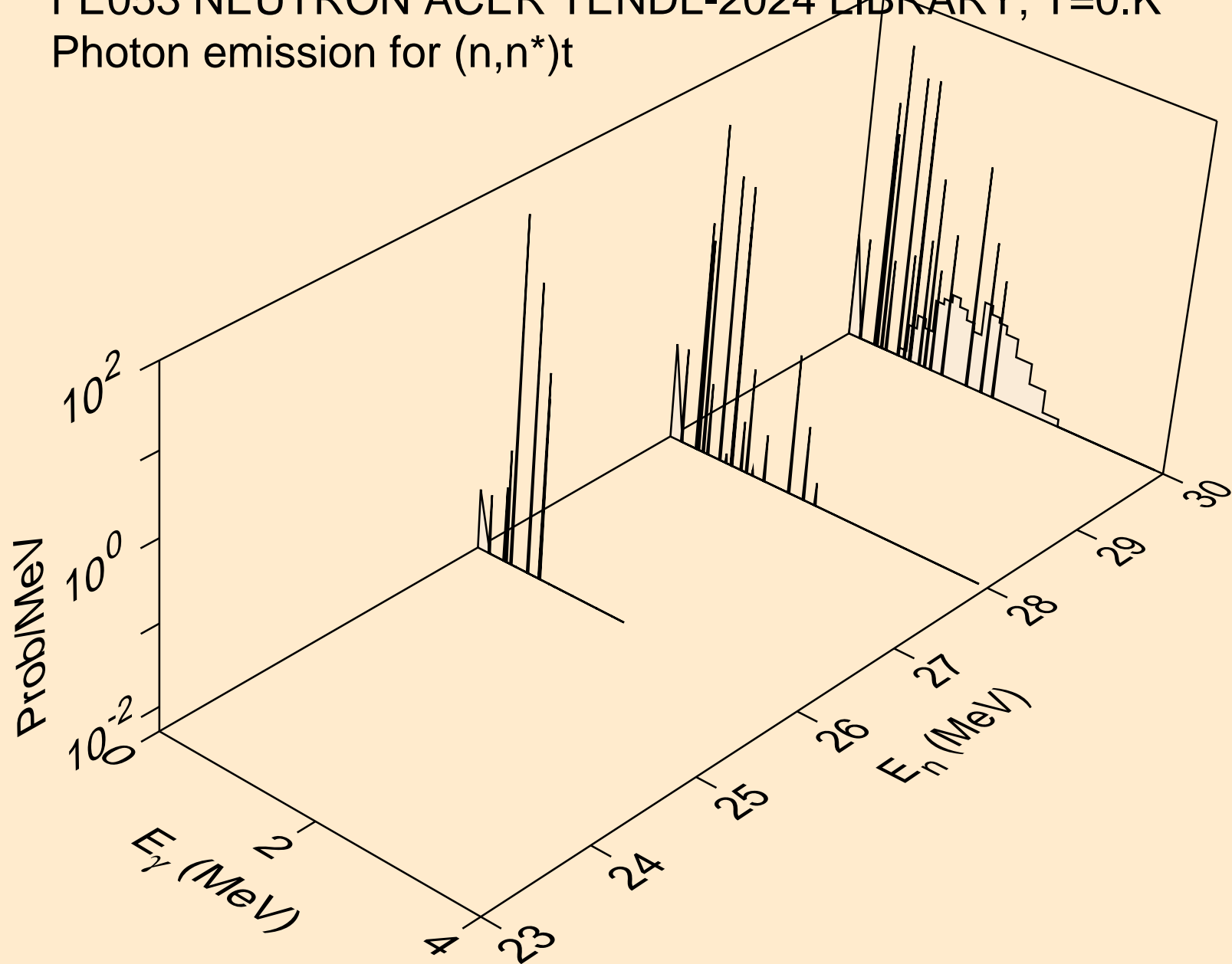
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Photon emission for (n,n\*)2a



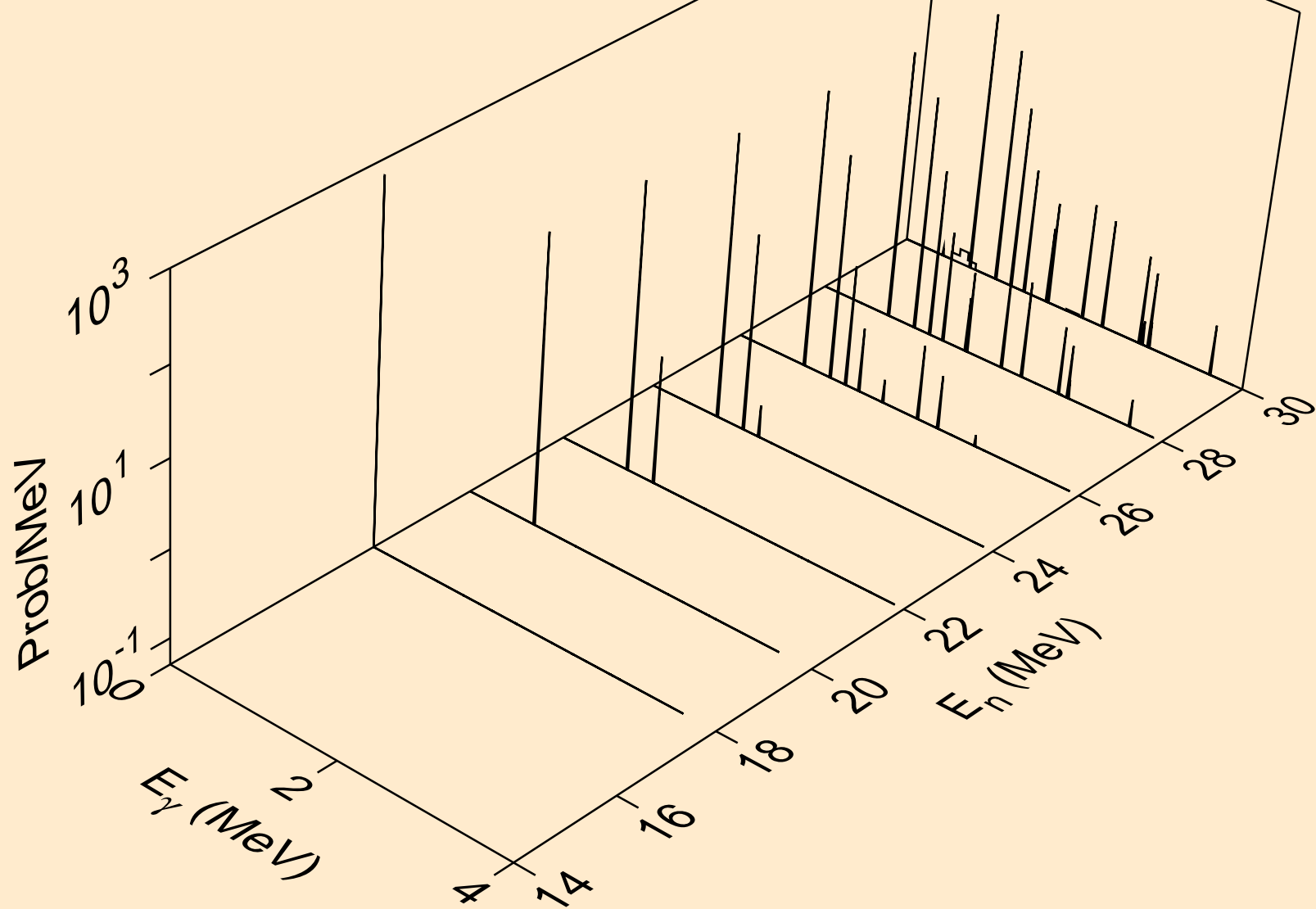
FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



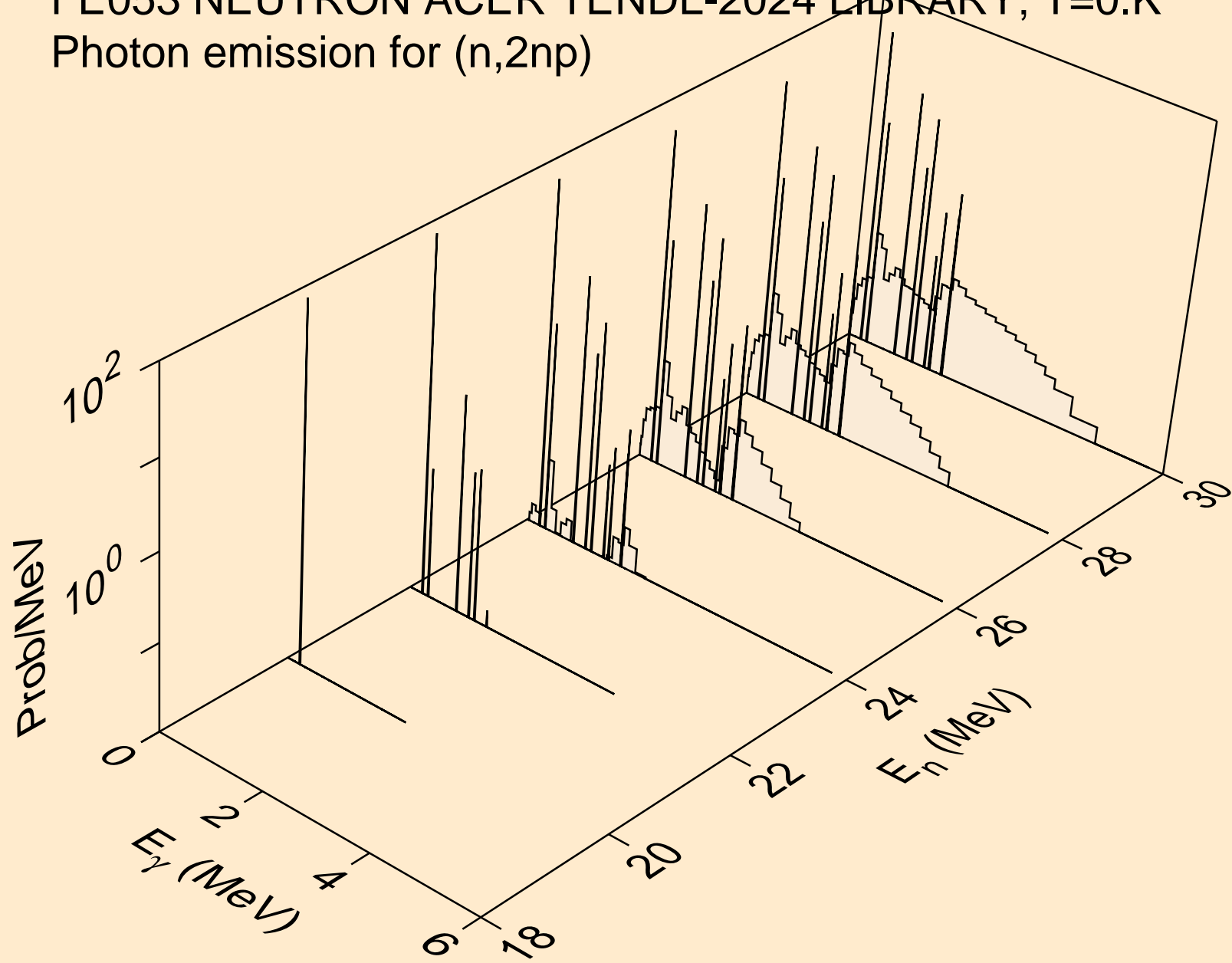
FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



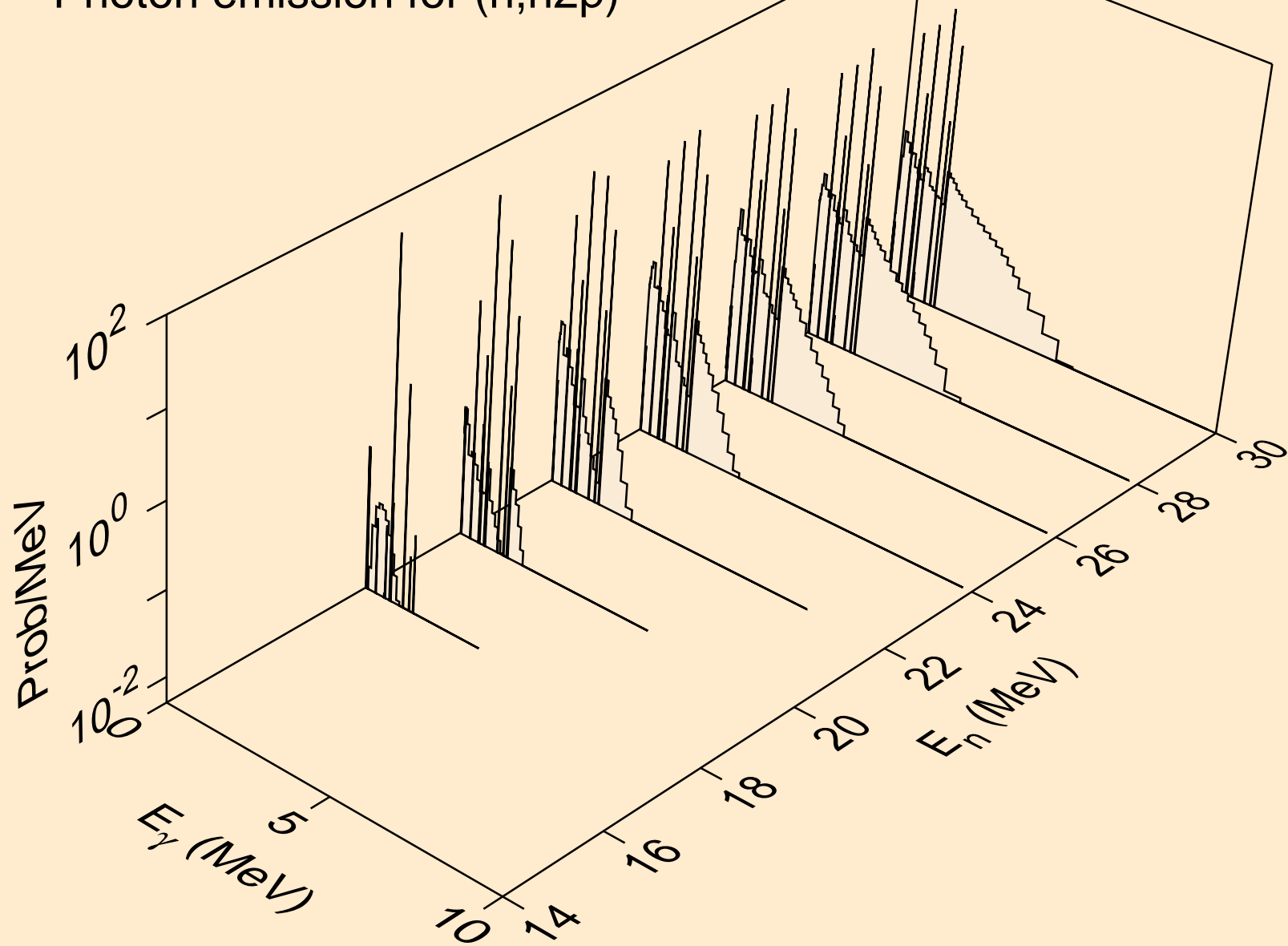
FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



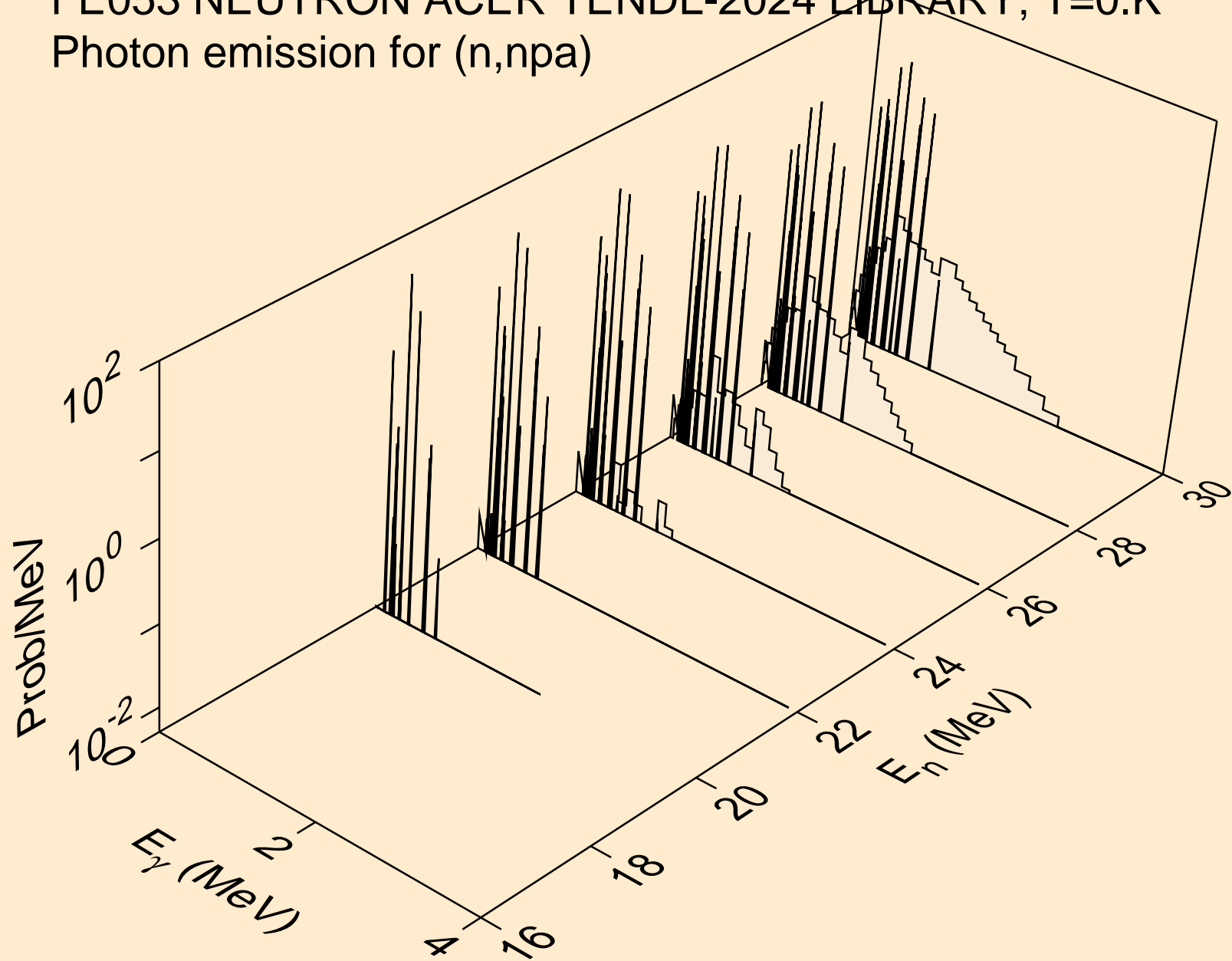
FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2np)



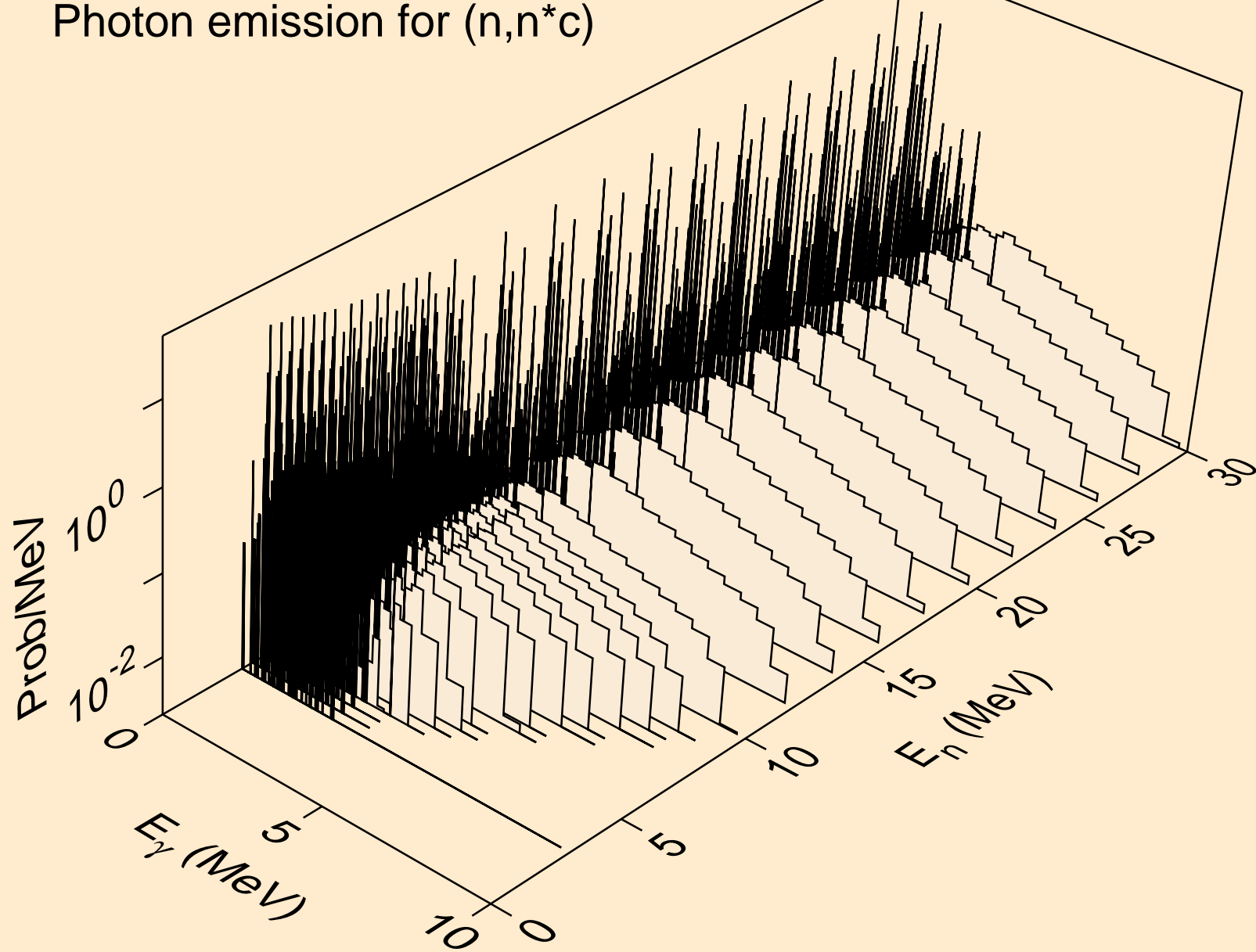
FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n2p)



FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,npa)

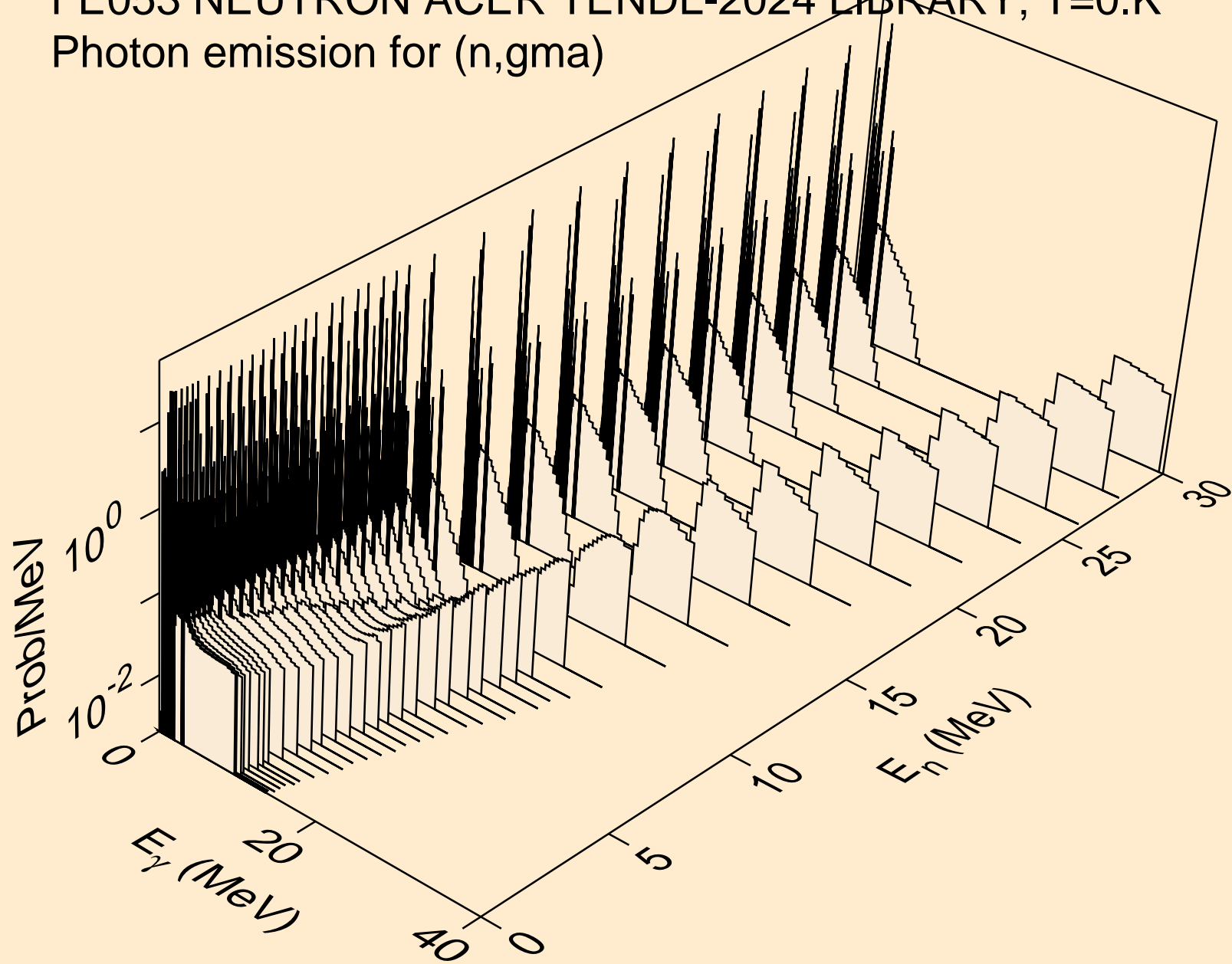


FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*c)

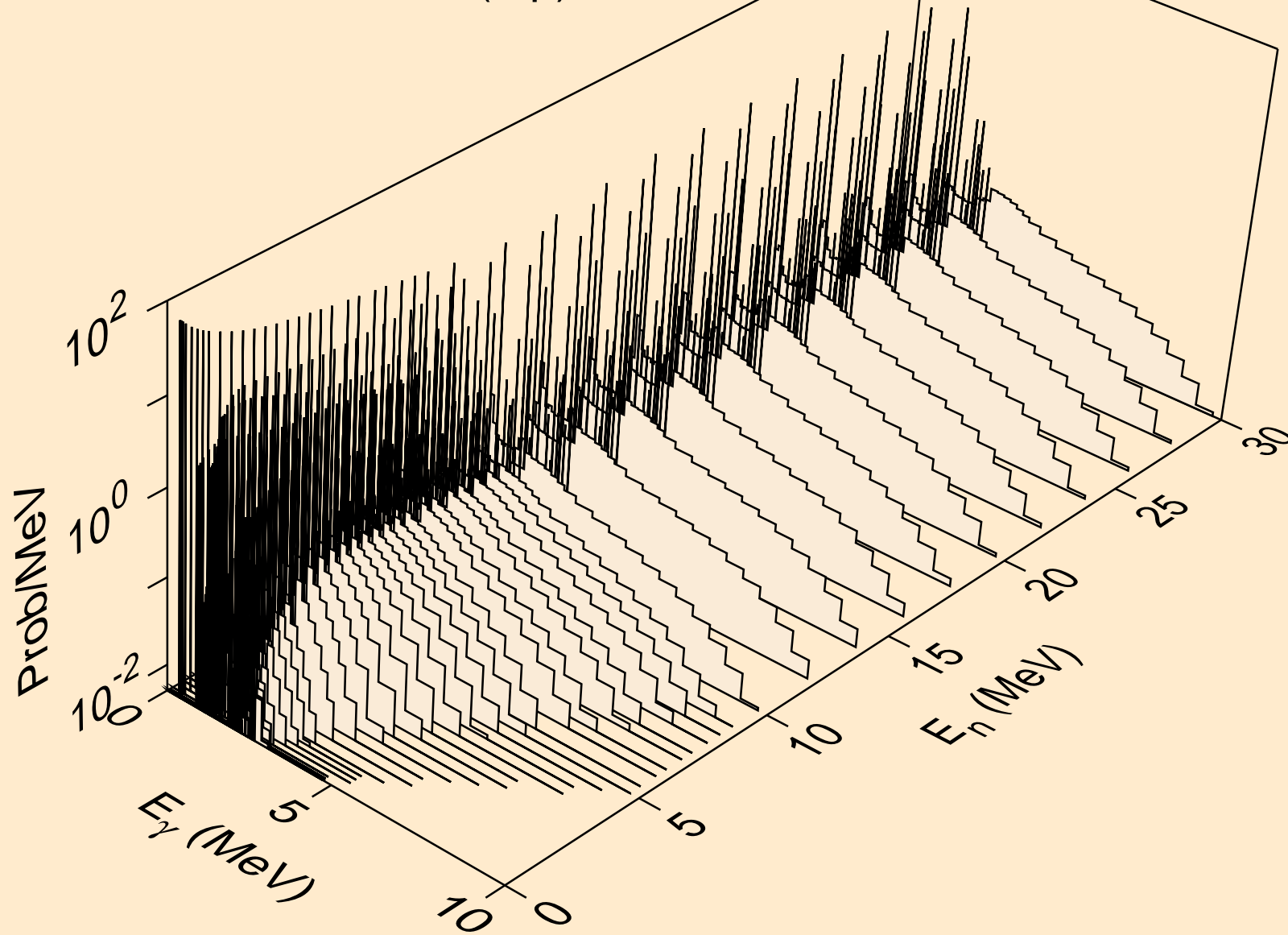




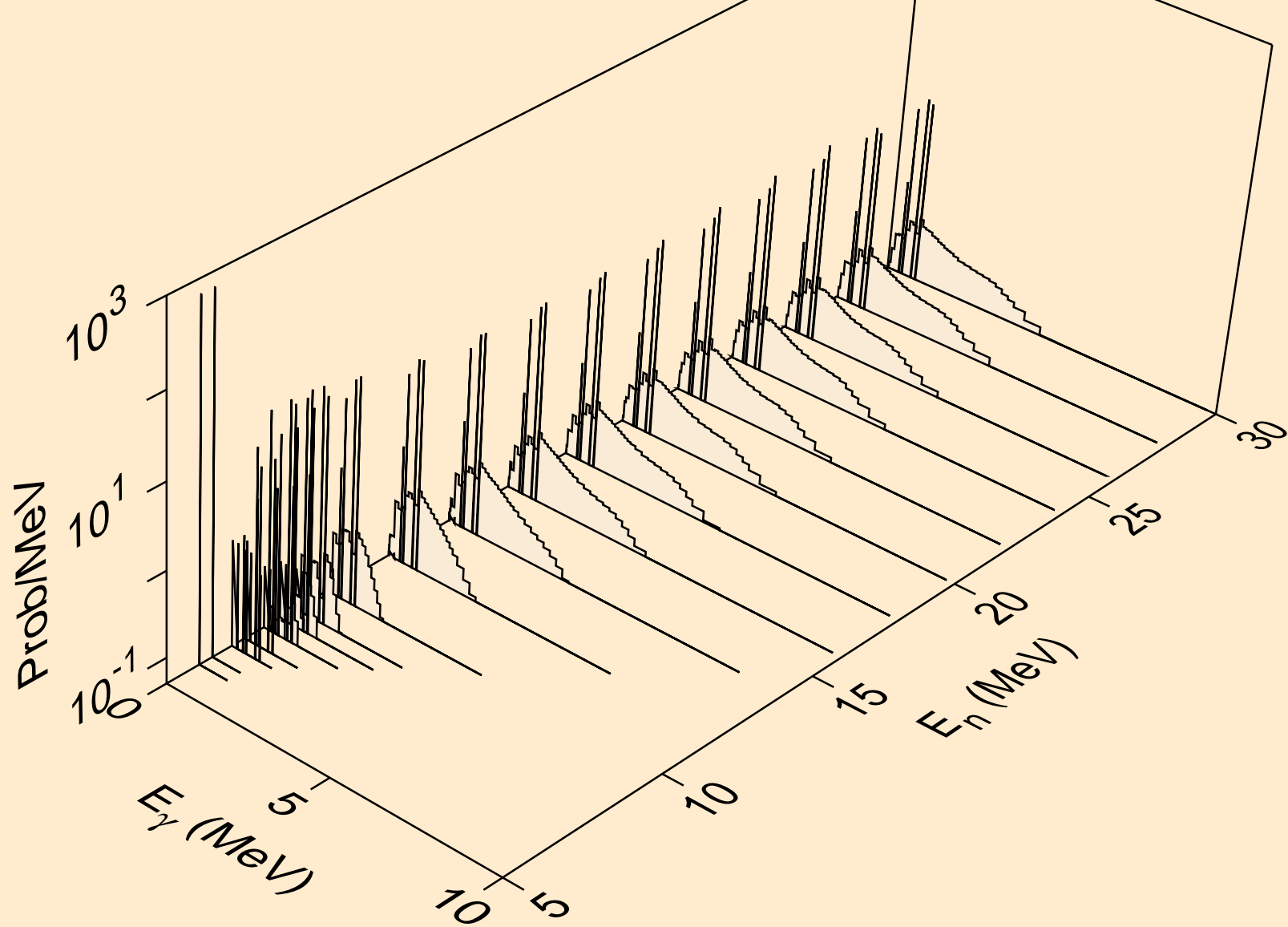
FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,gma)



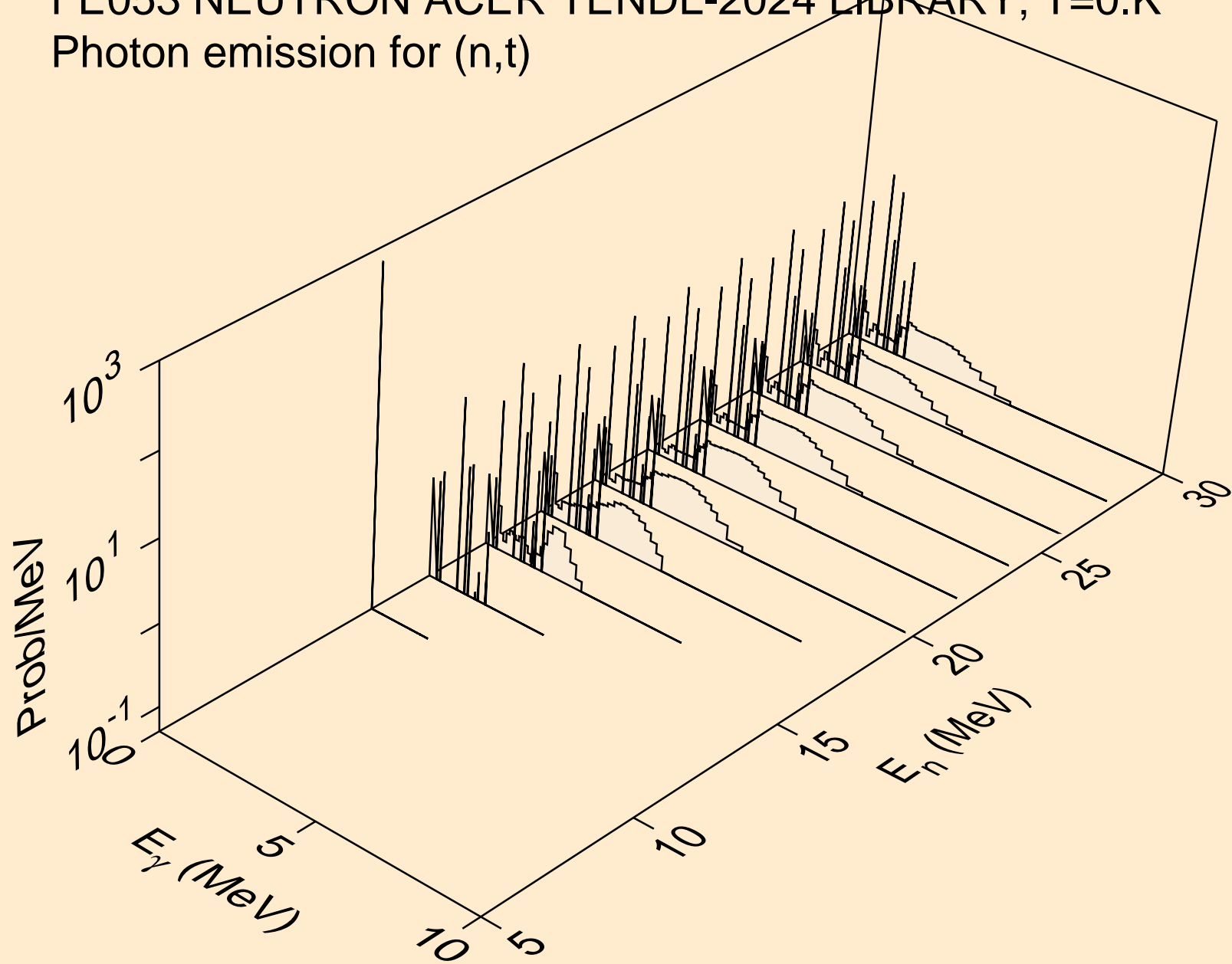
FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p)



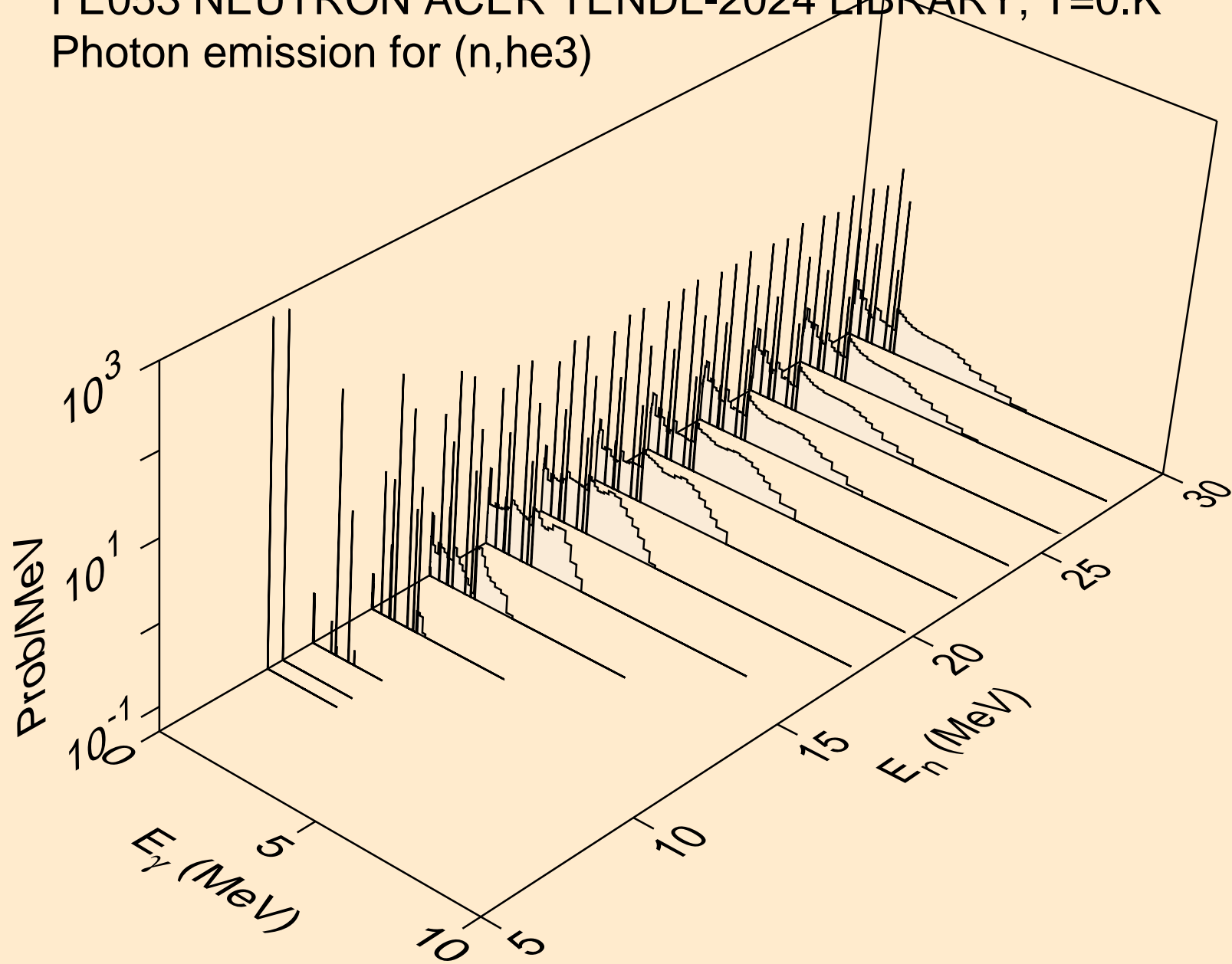
FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,d)



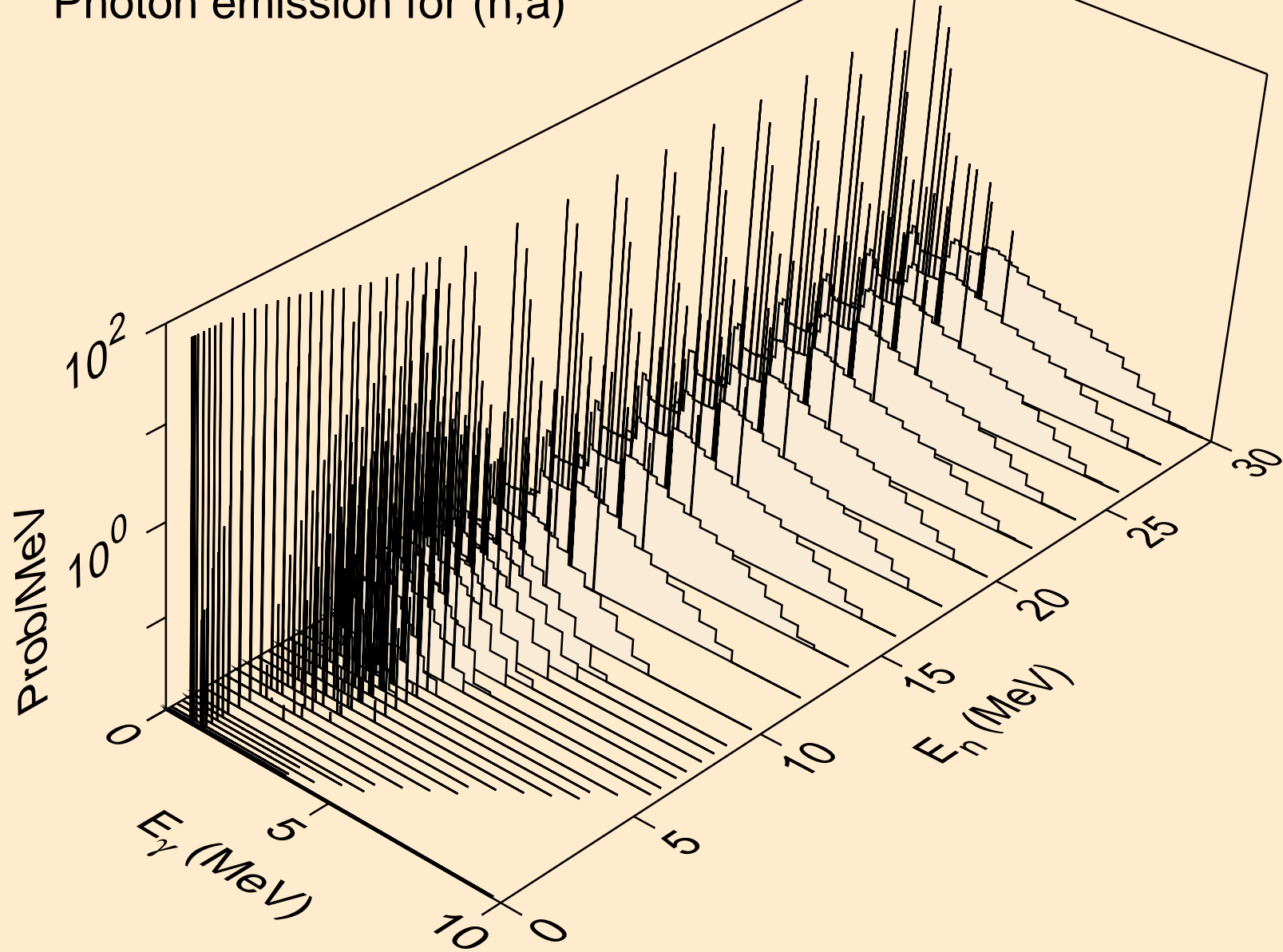
FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,t)



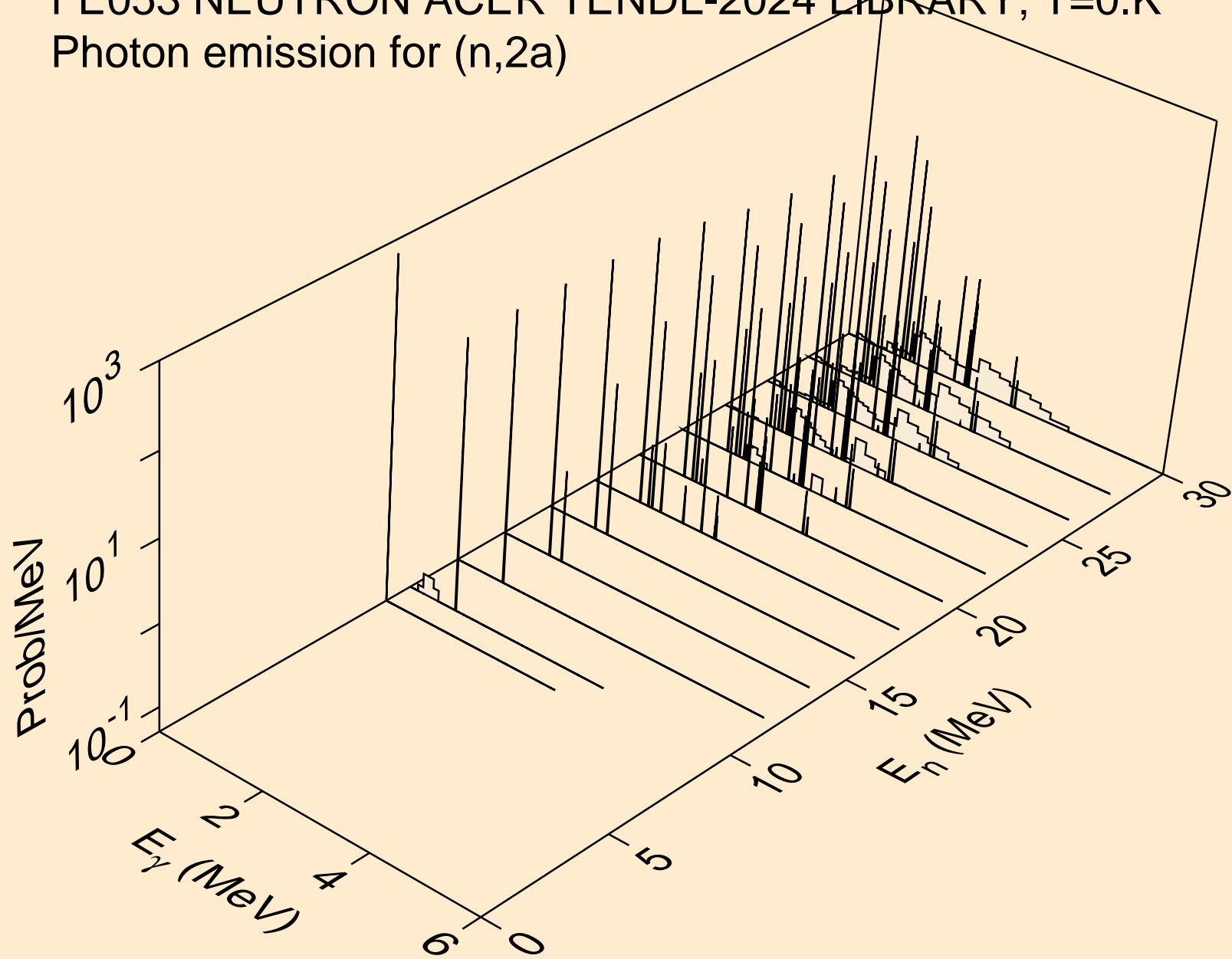
FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,he3)



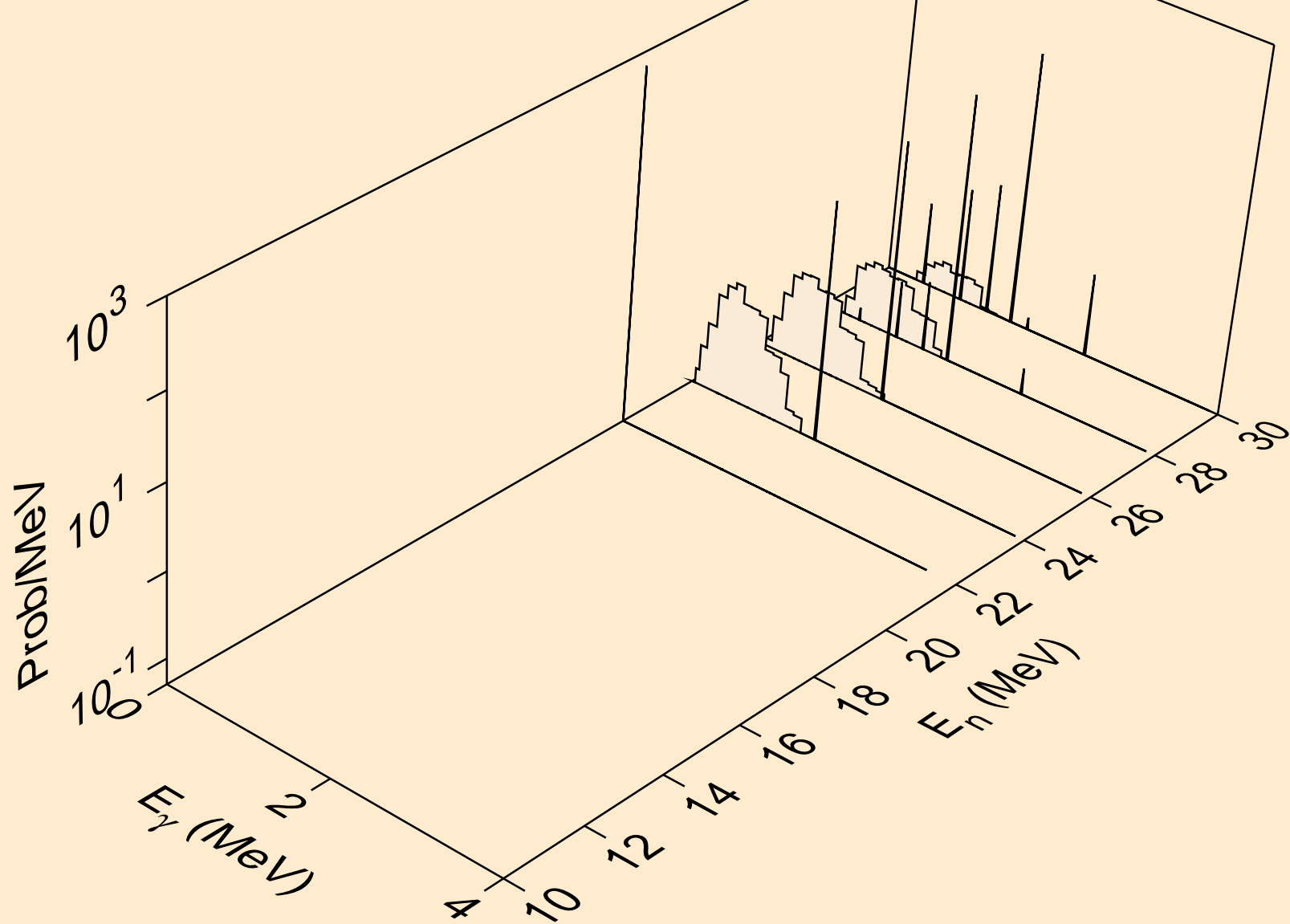
FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,a)



FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2a)

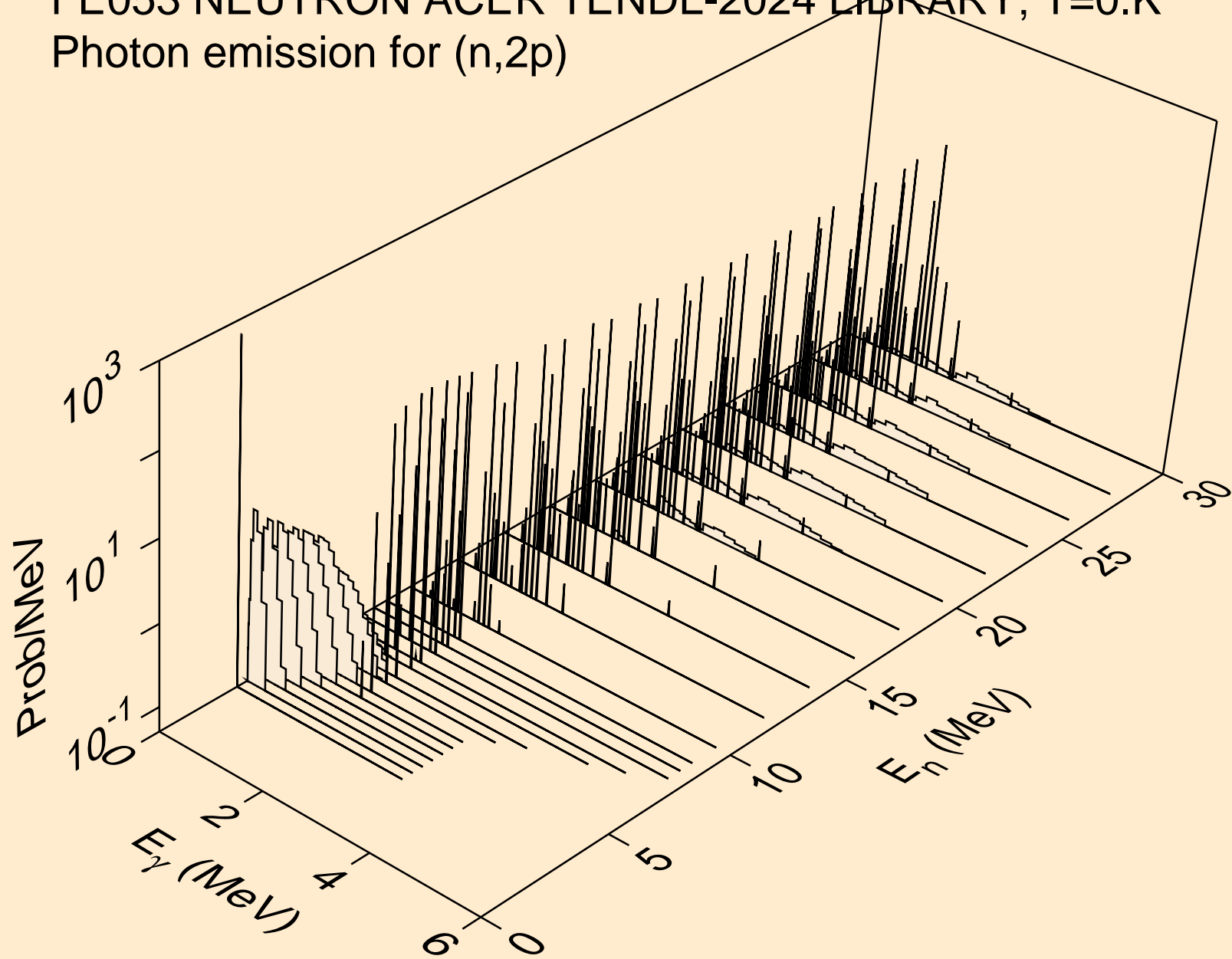


FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3a)

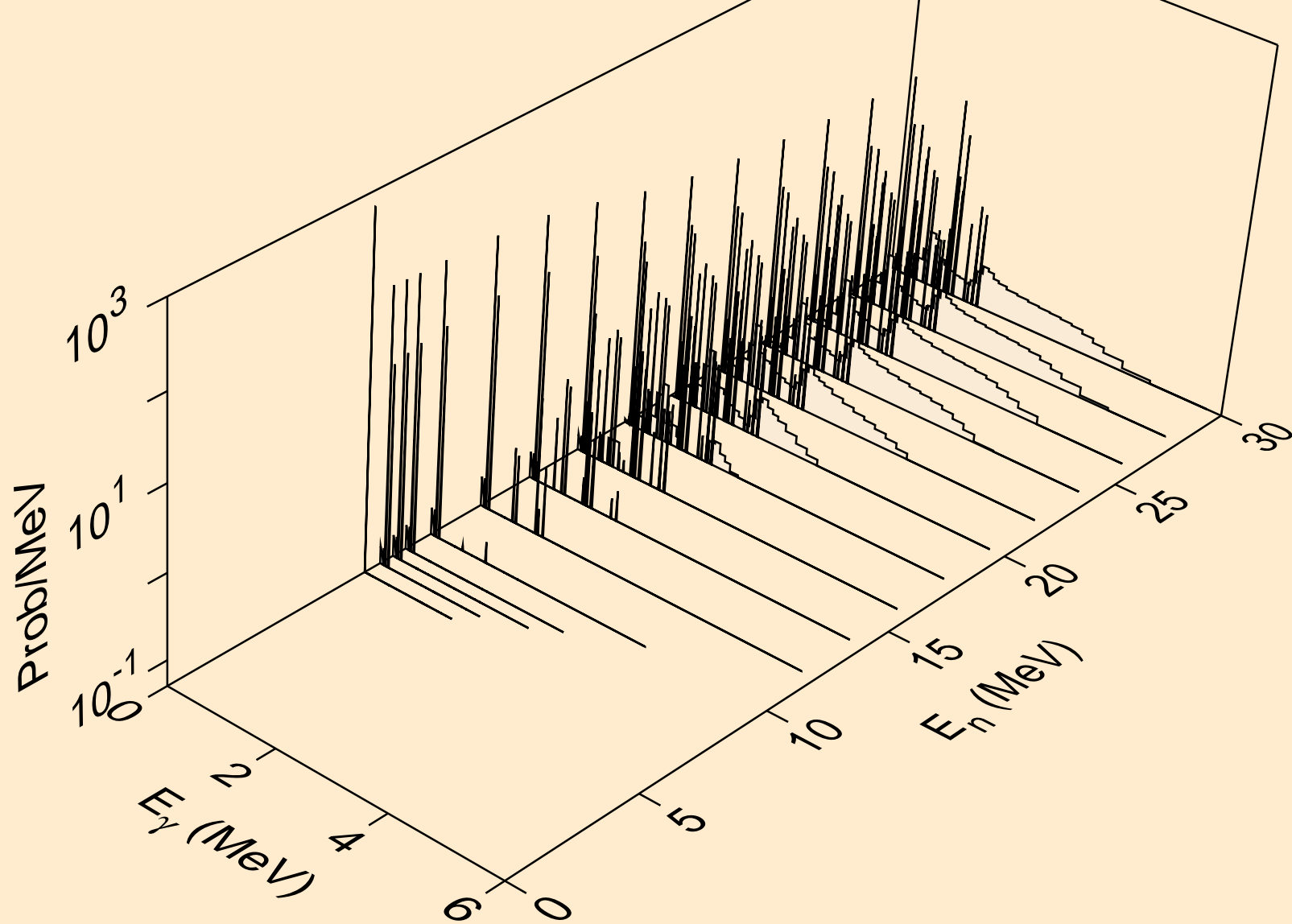




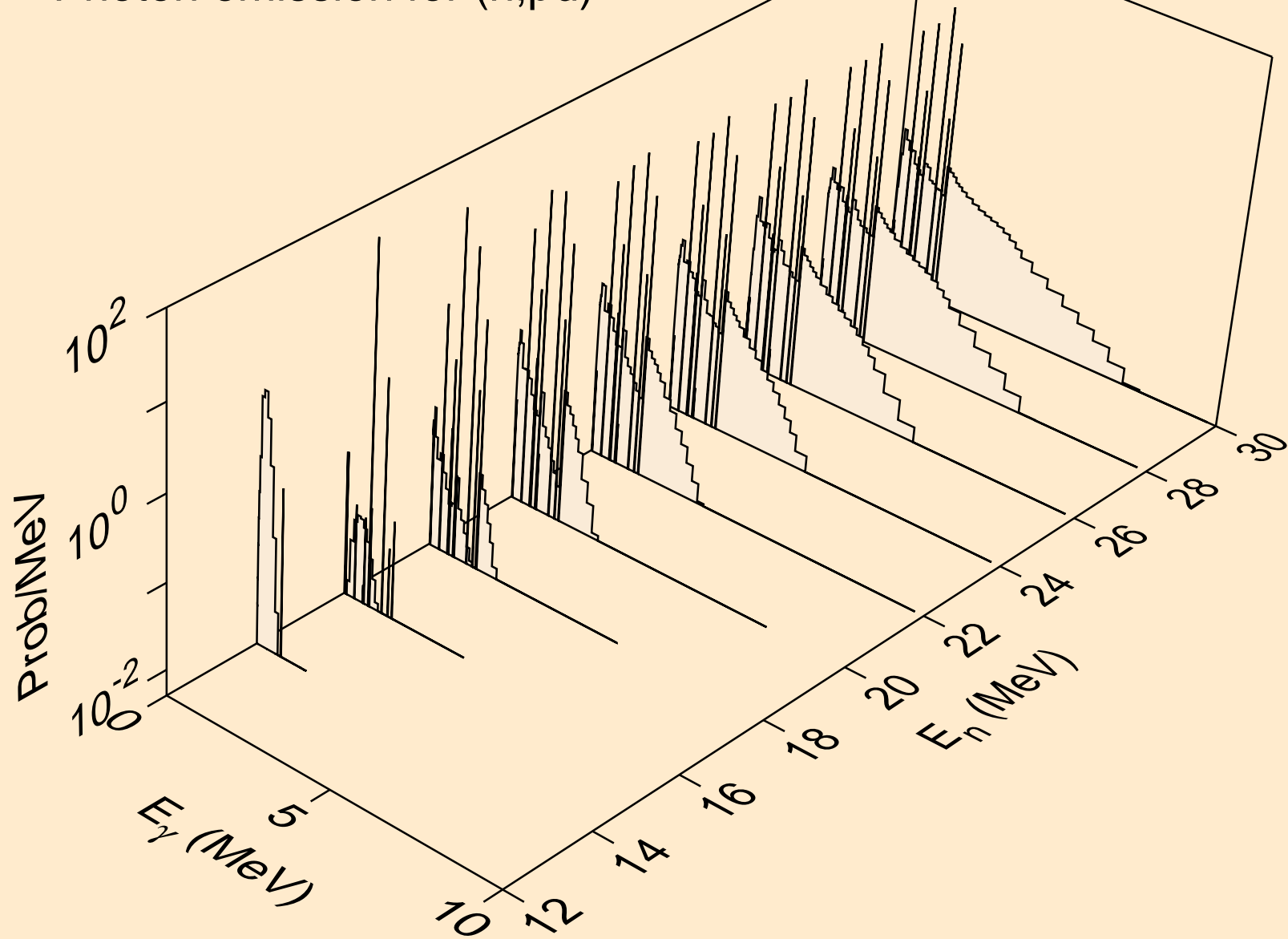
FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2p)



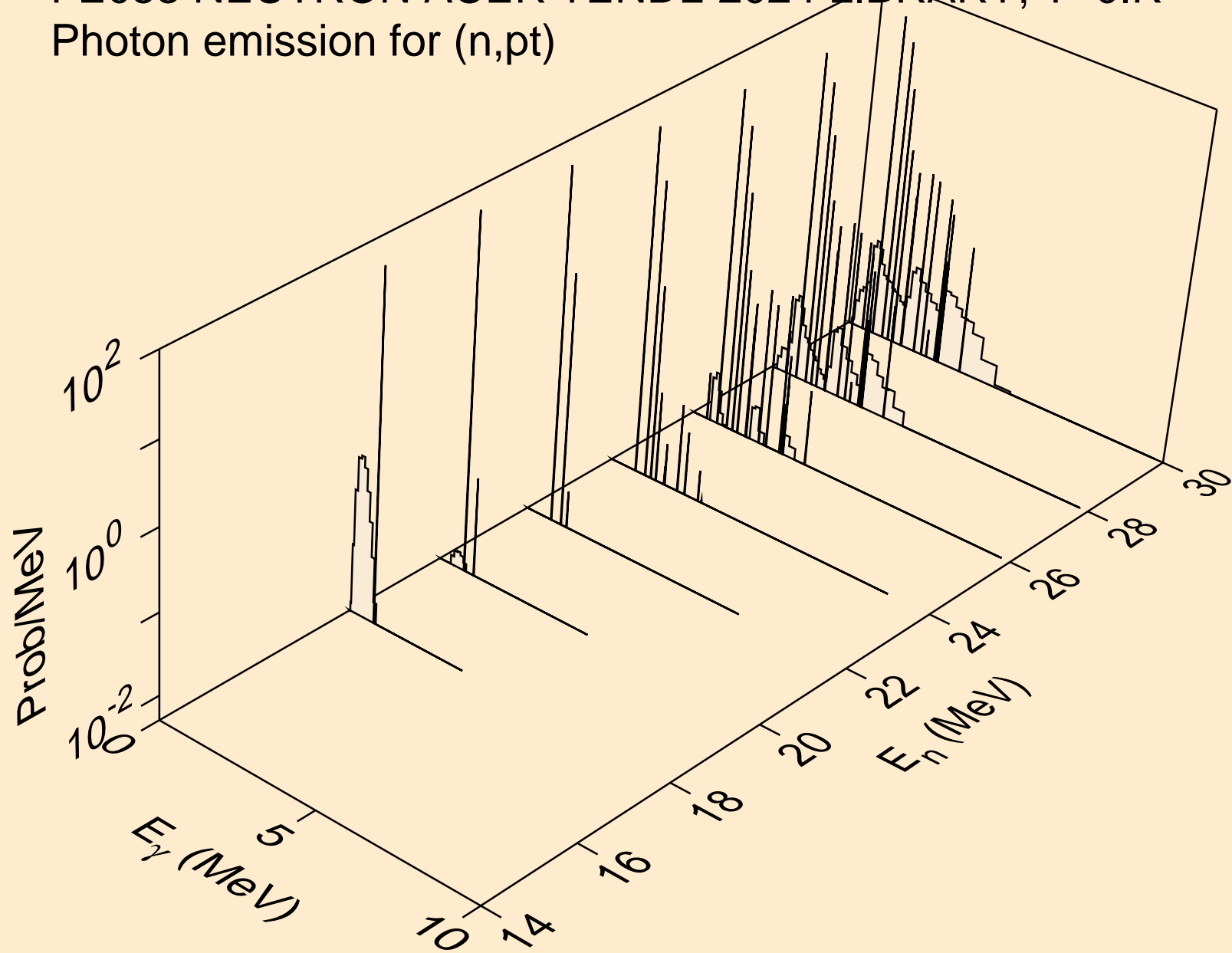
FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p $\alpha$ )



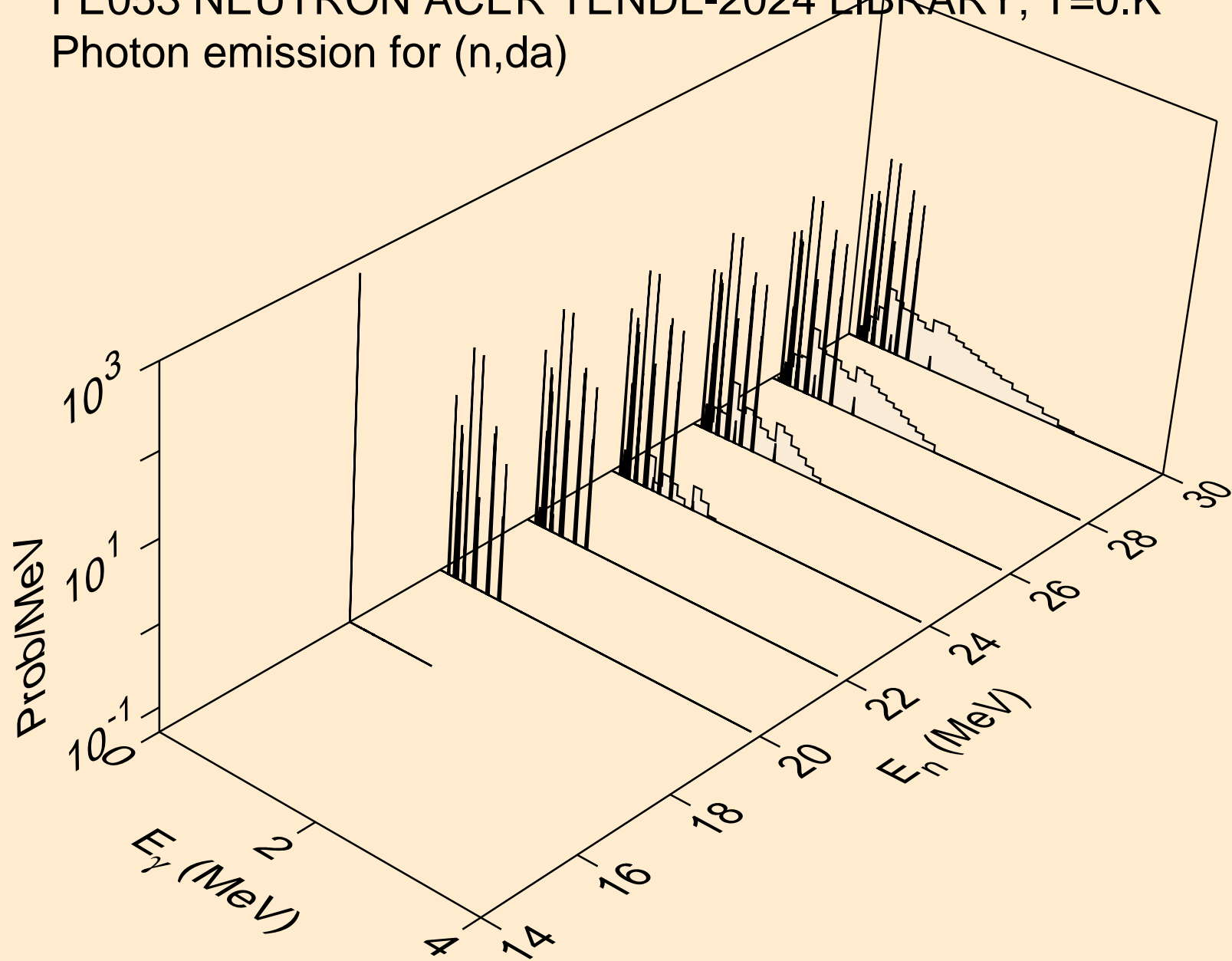
FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pd)



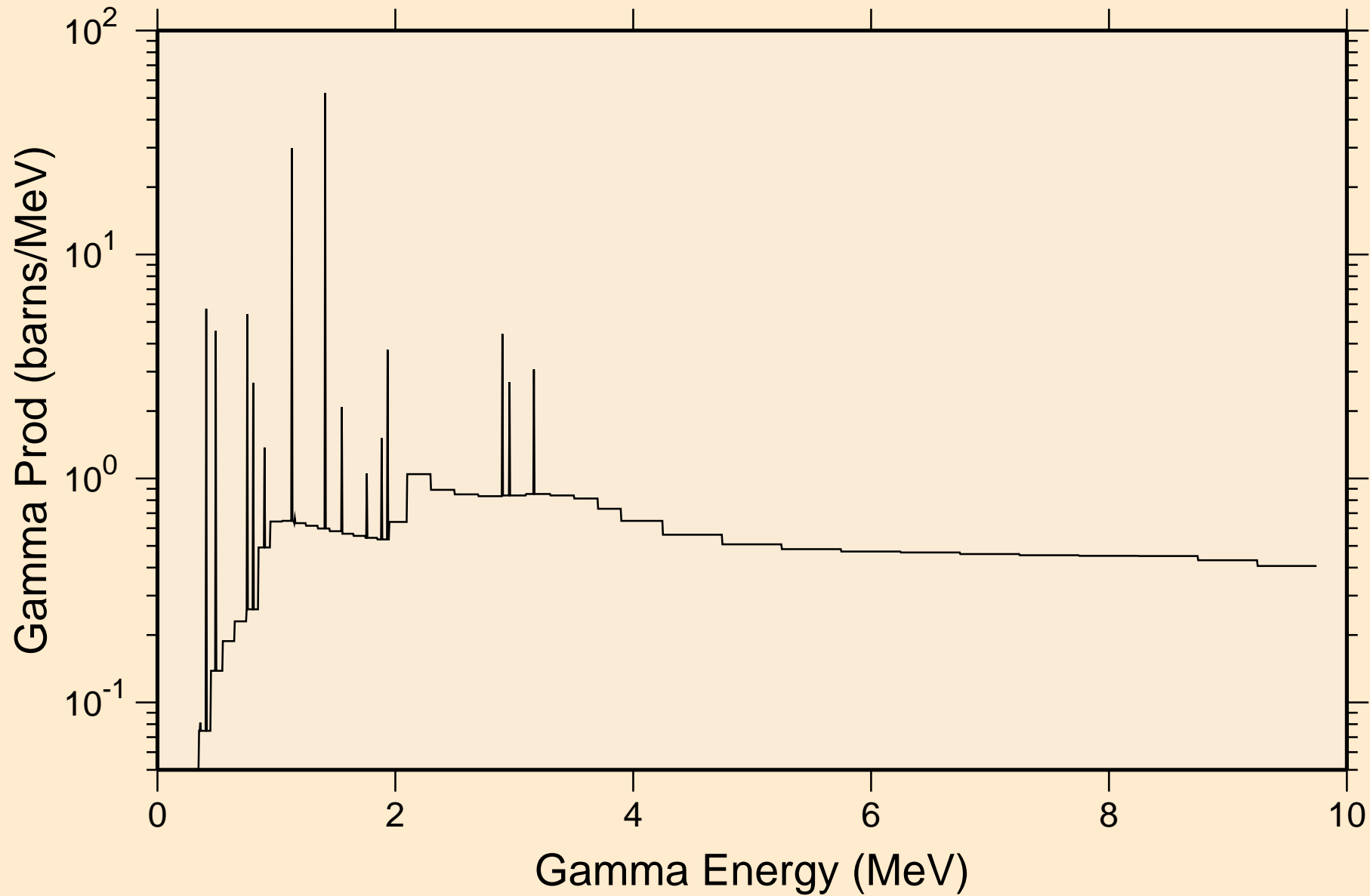
FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pt)



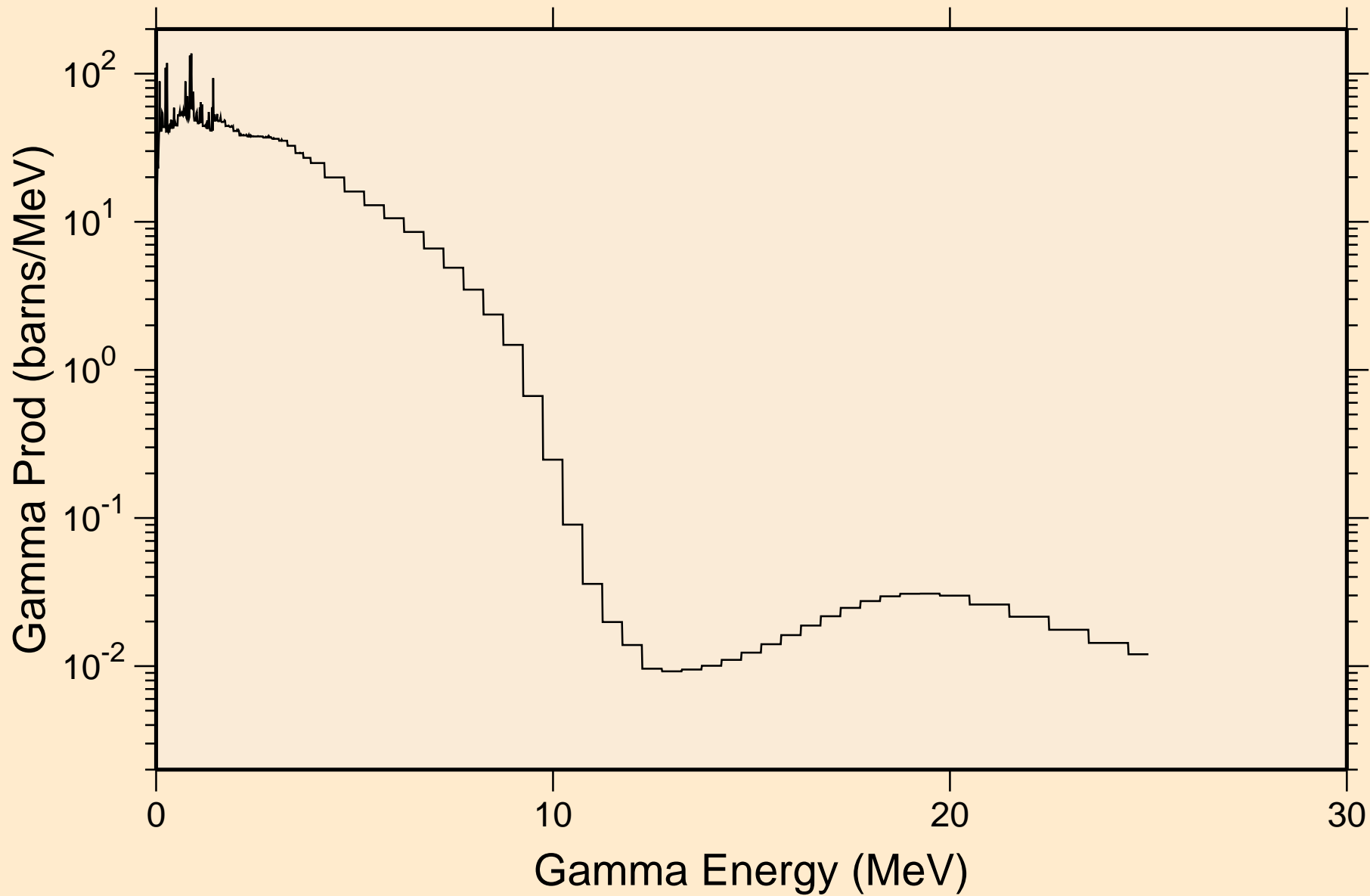
FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,da)



FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
thermal capture photon spectrum

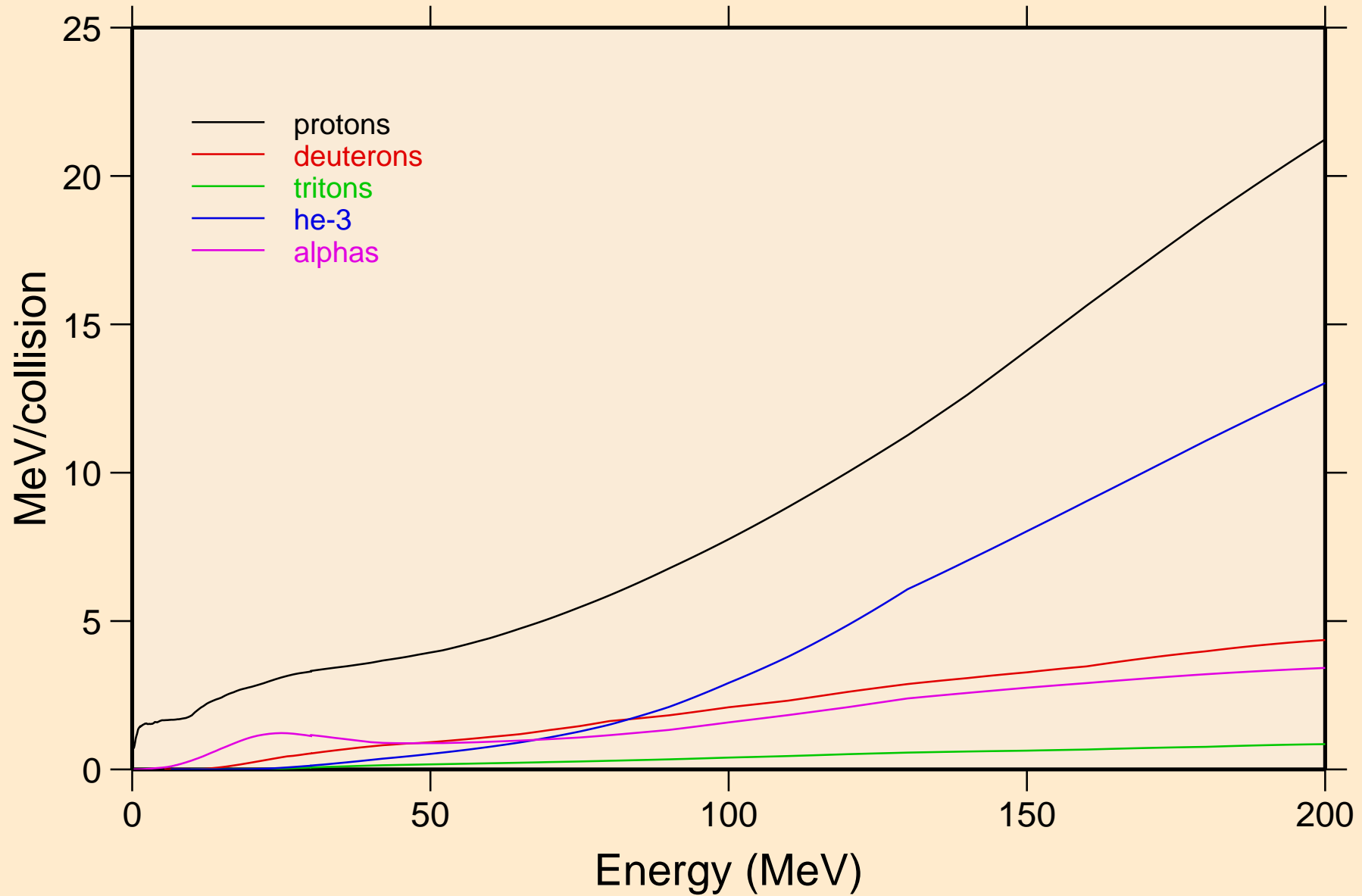


FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
14 MeV photon spectrum



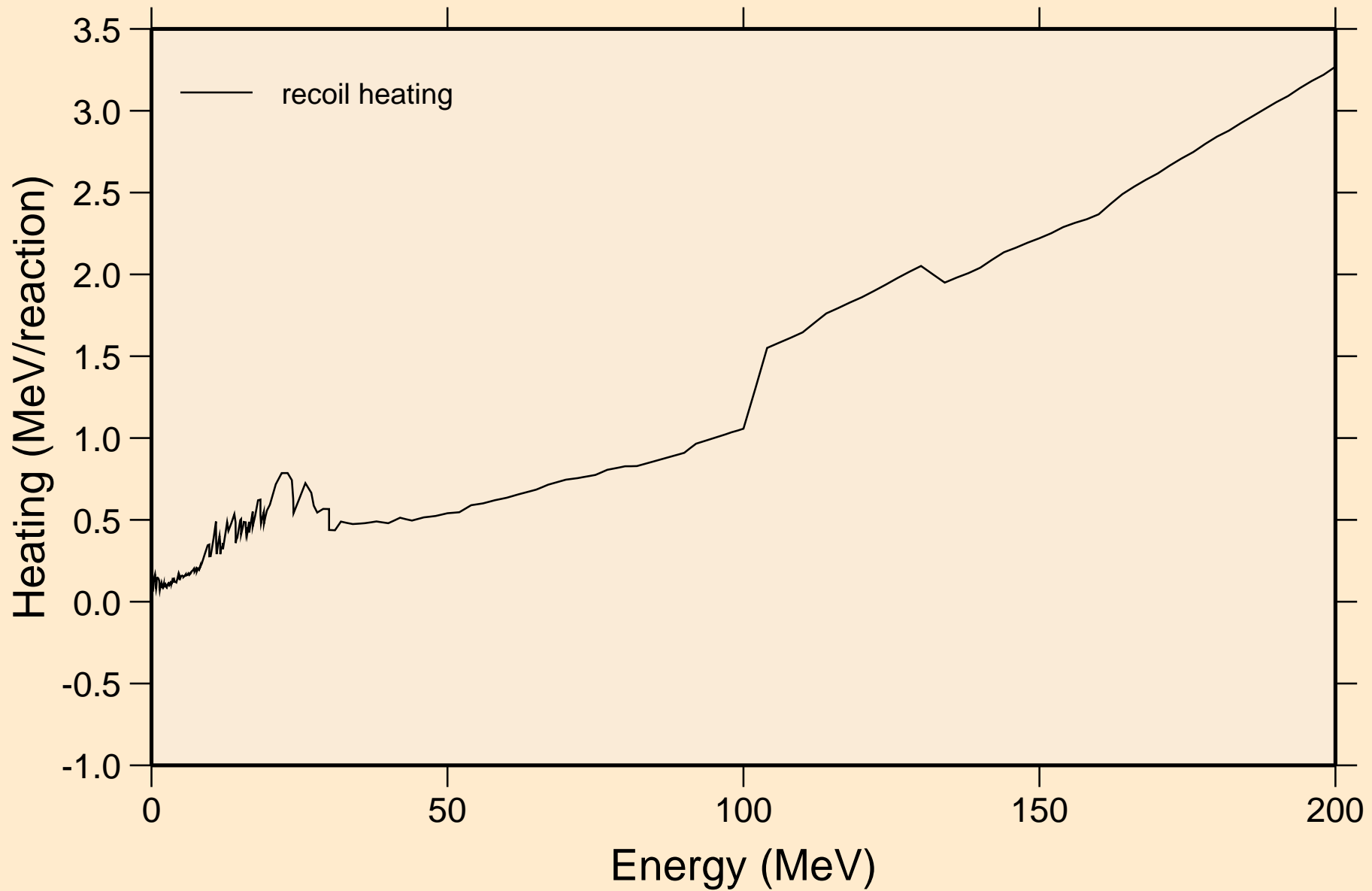
# FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Particle heating contributions



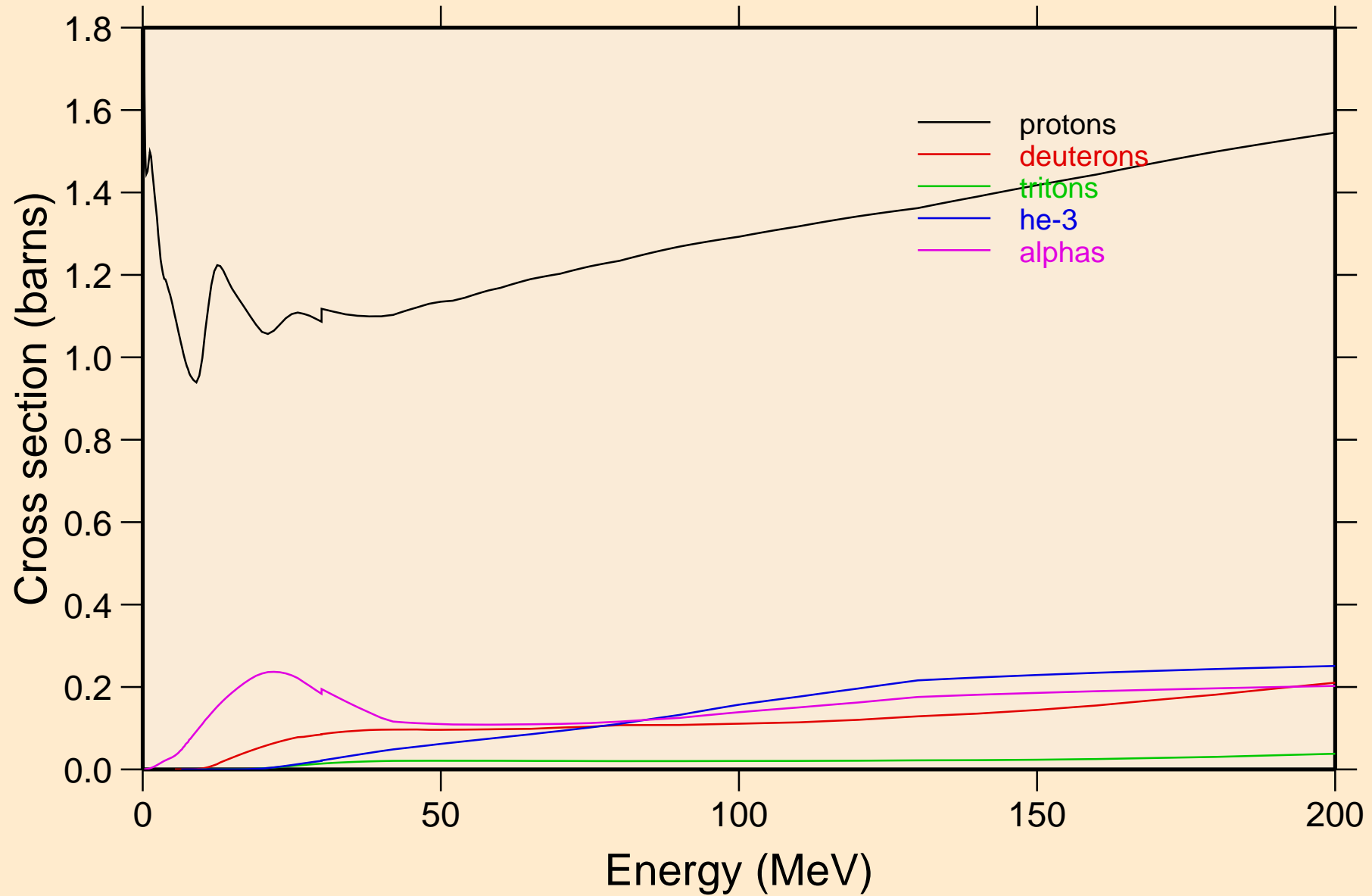


FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Recoil Heating

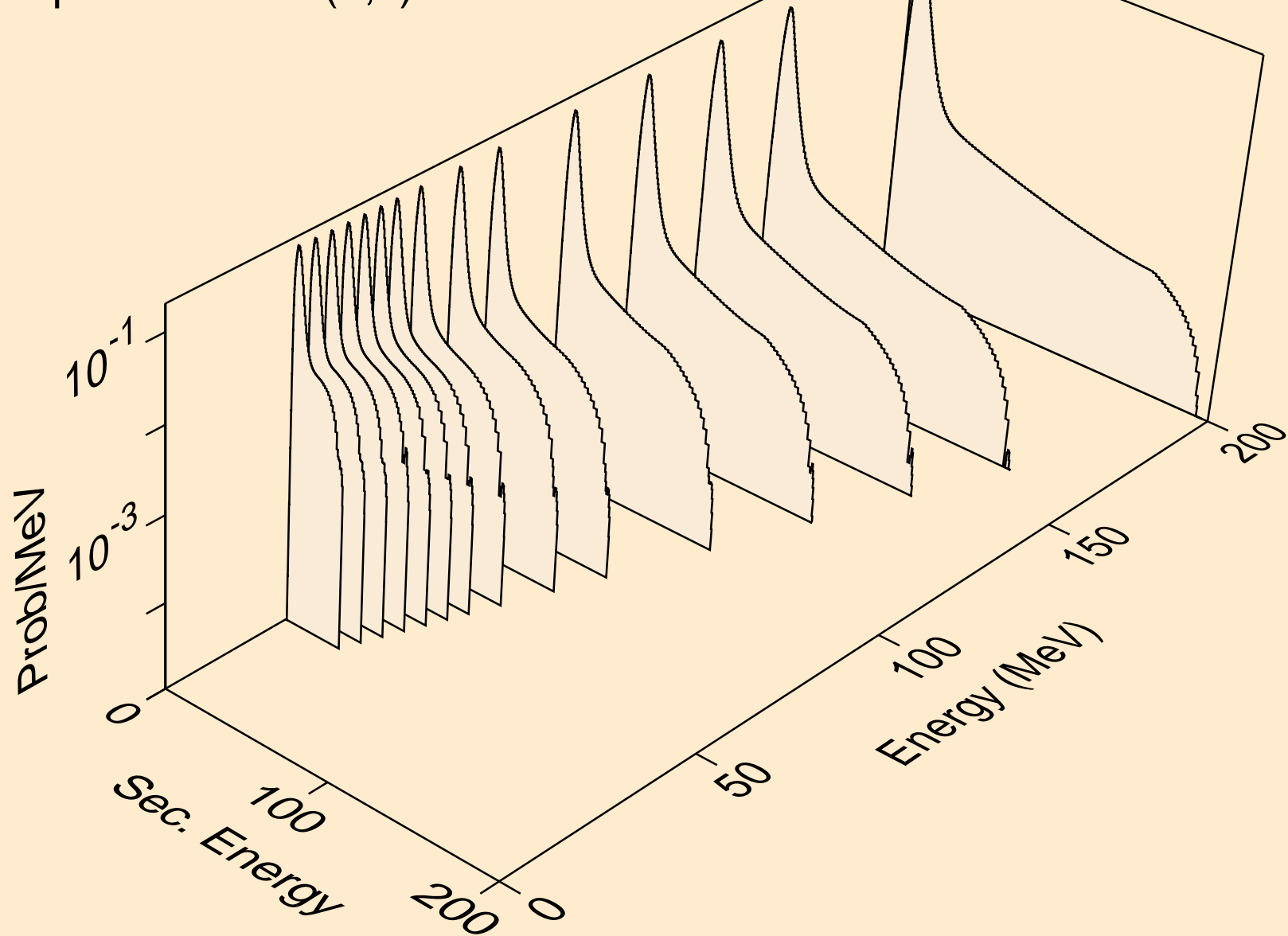


# FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

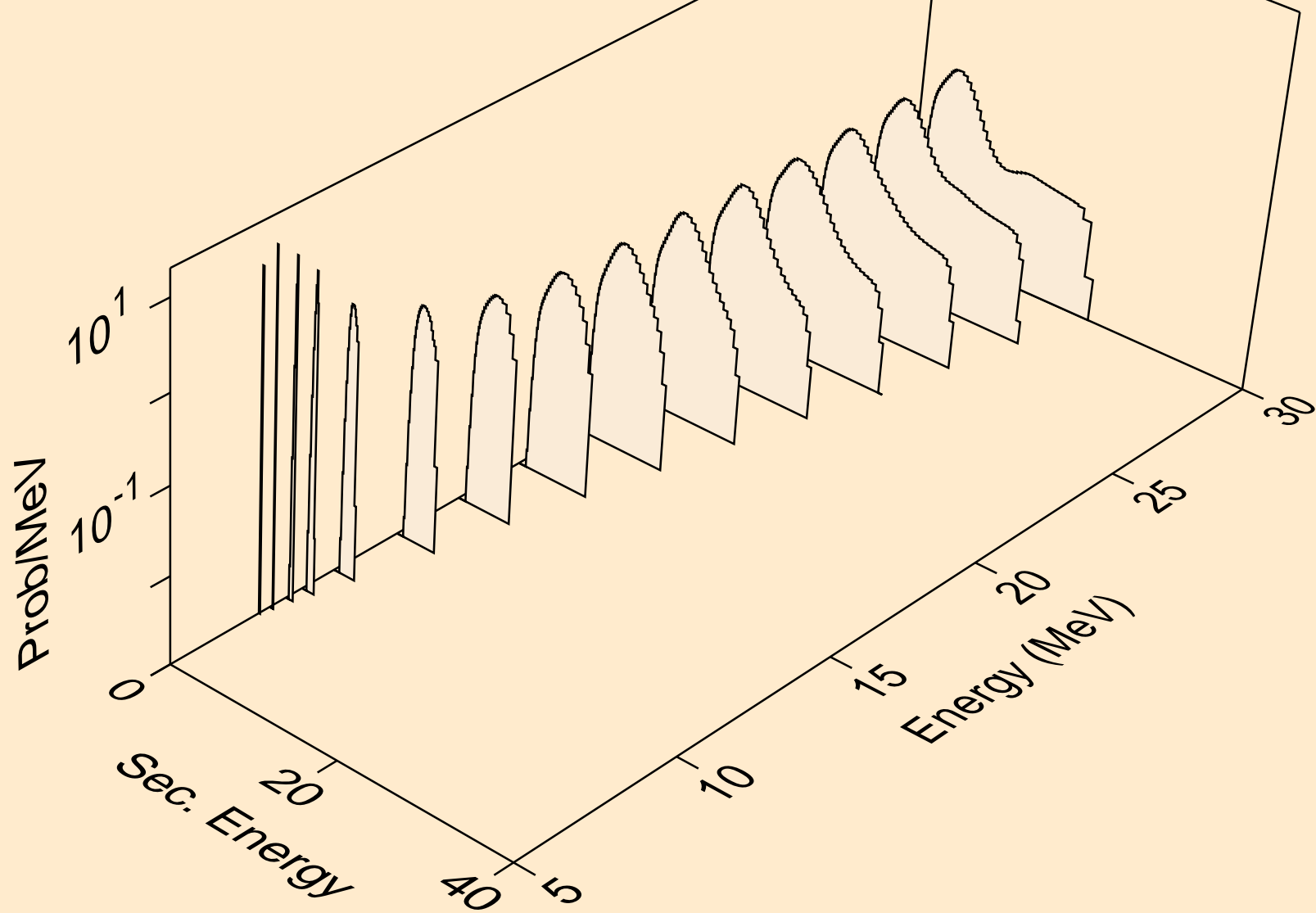
## Particle production cross sections



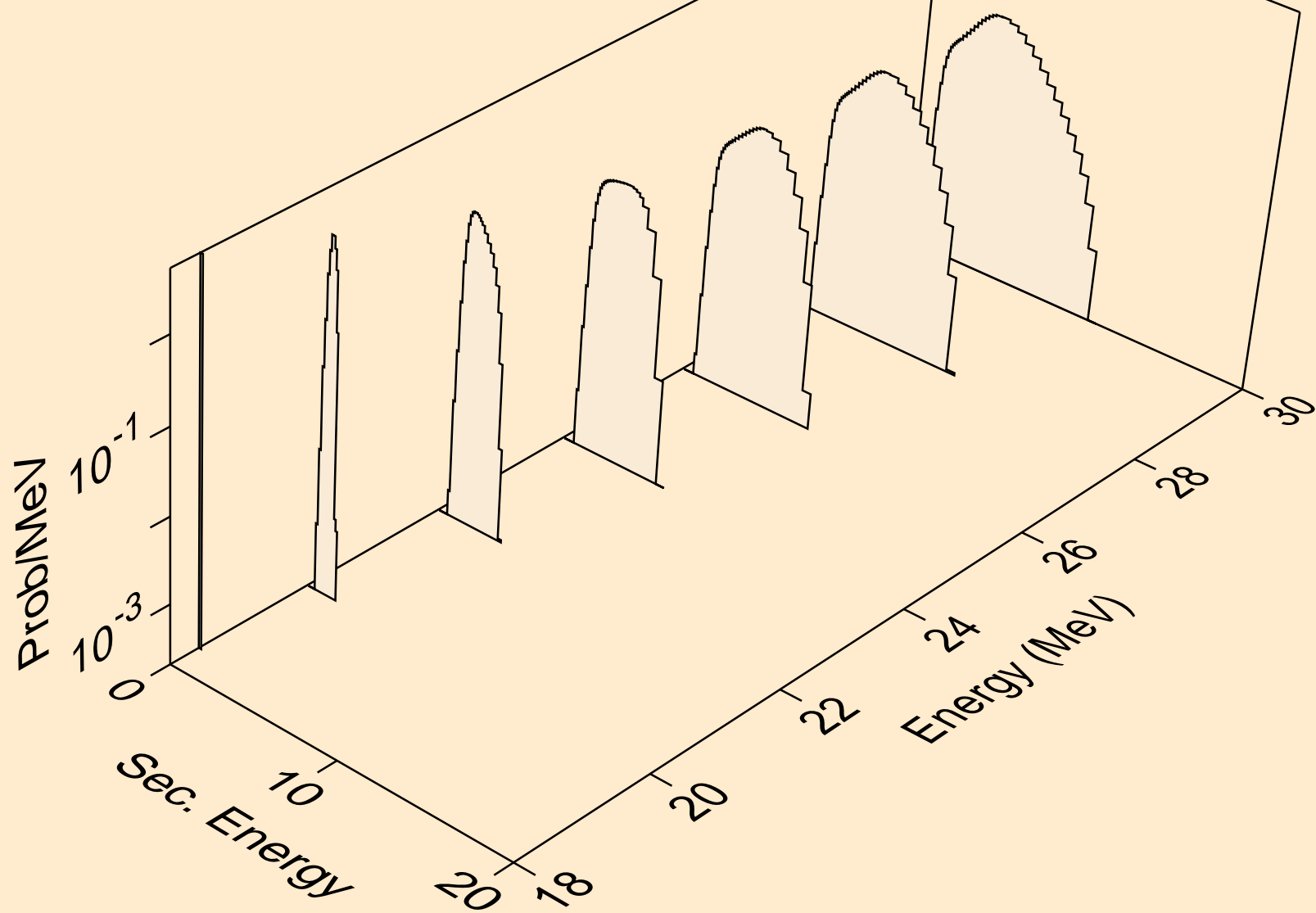
FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,x)



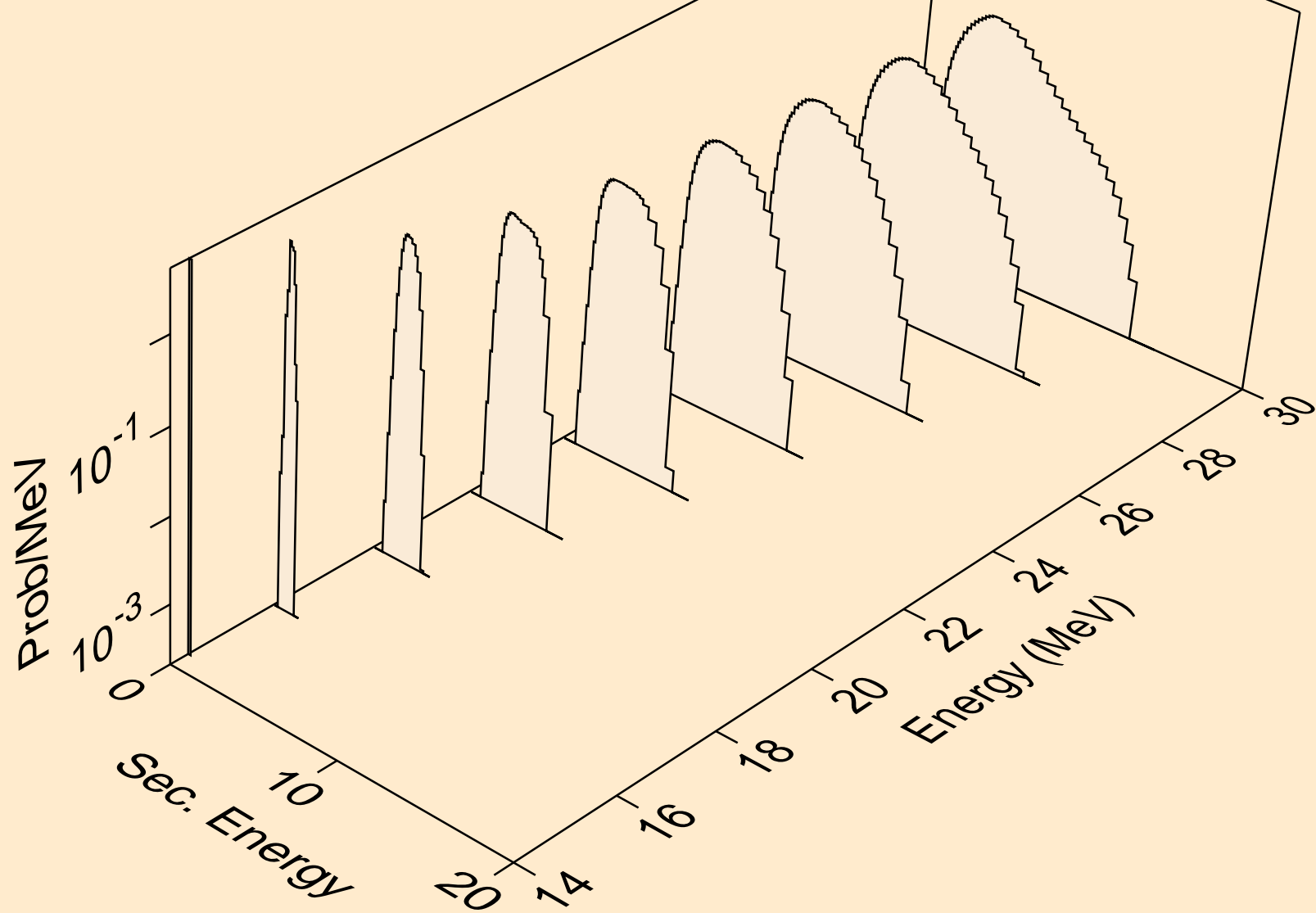
FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,n\*)p



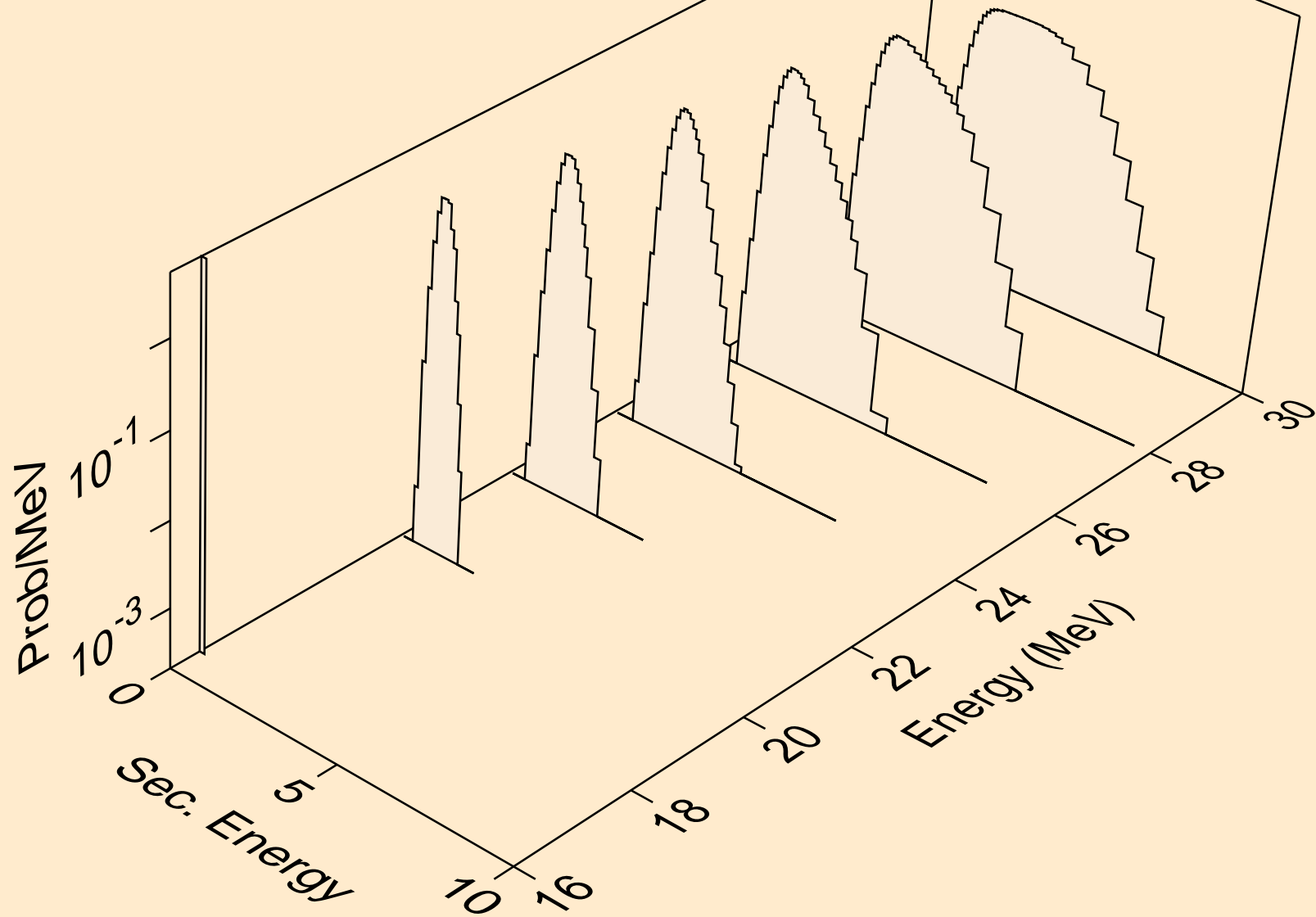
FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,2np)



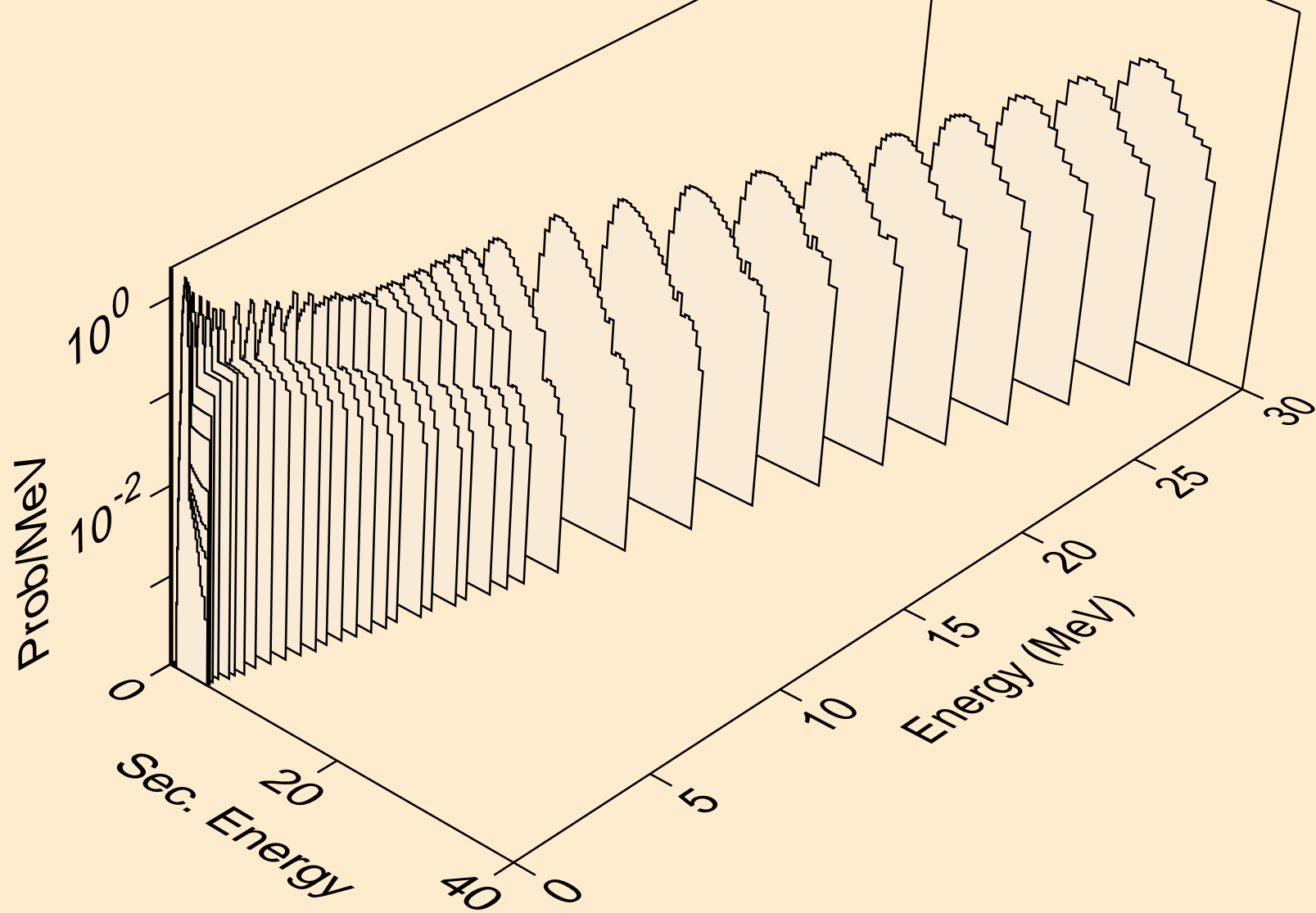
FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,n2p)



FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,npa)

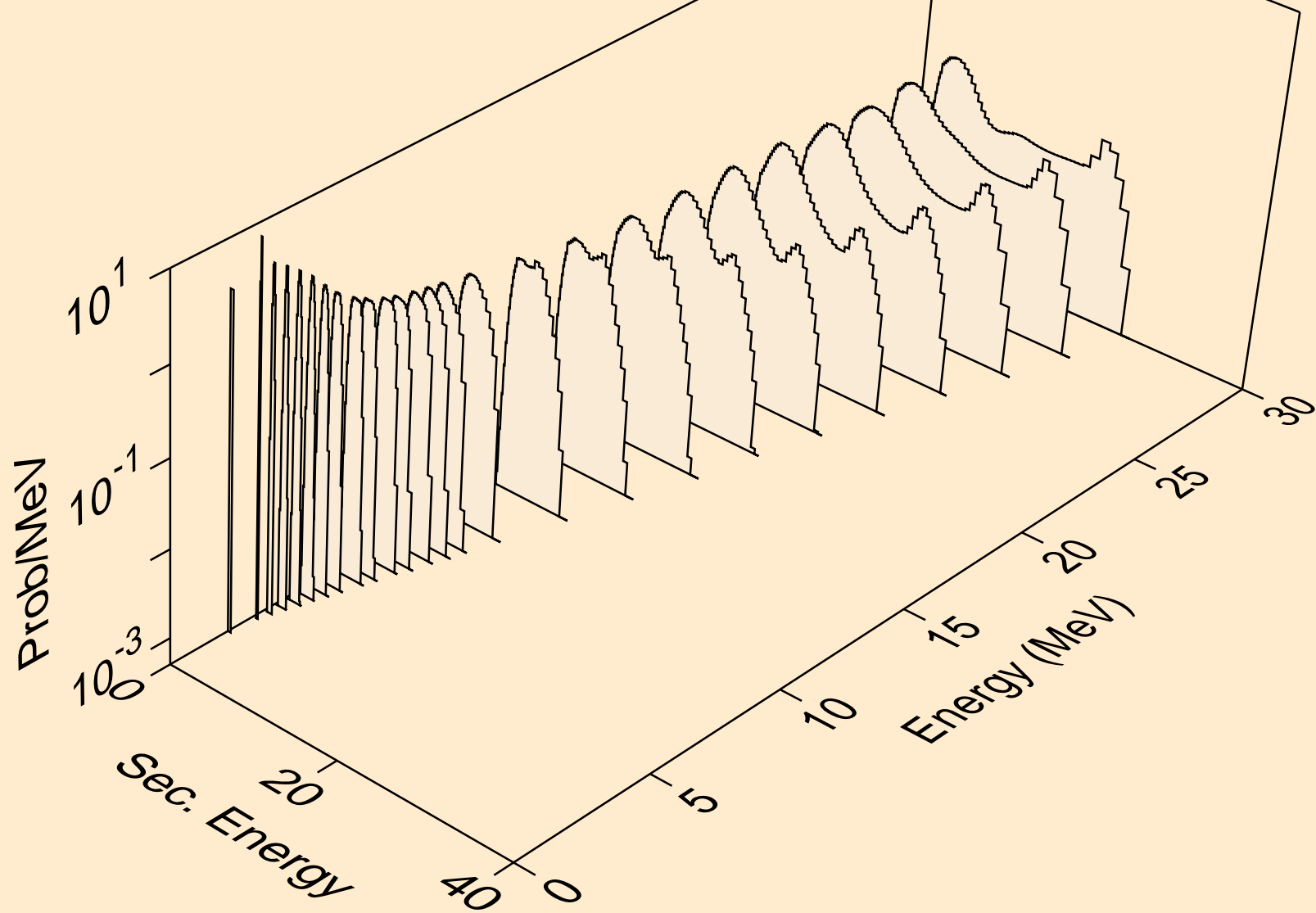


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protons from (n,p)

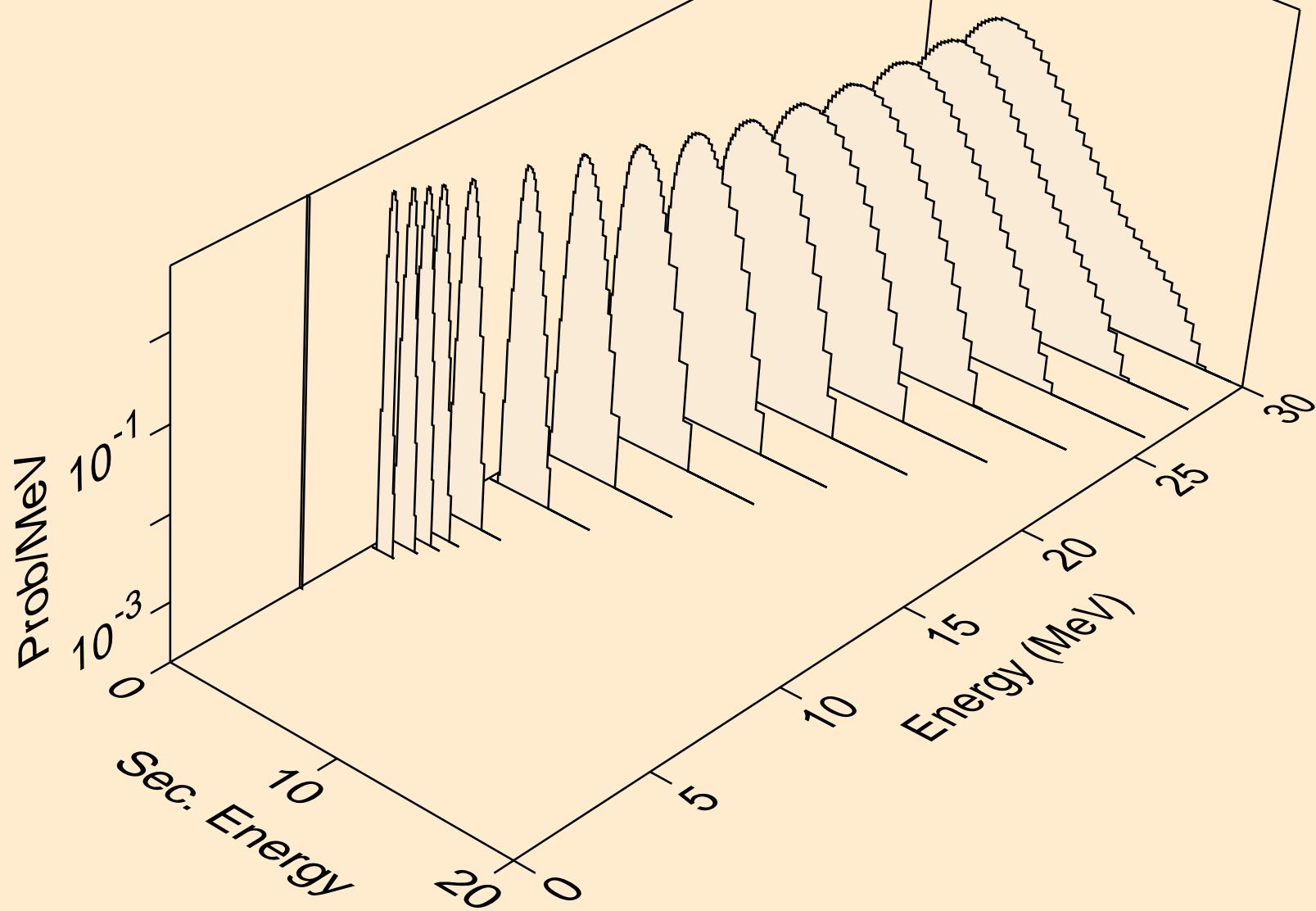




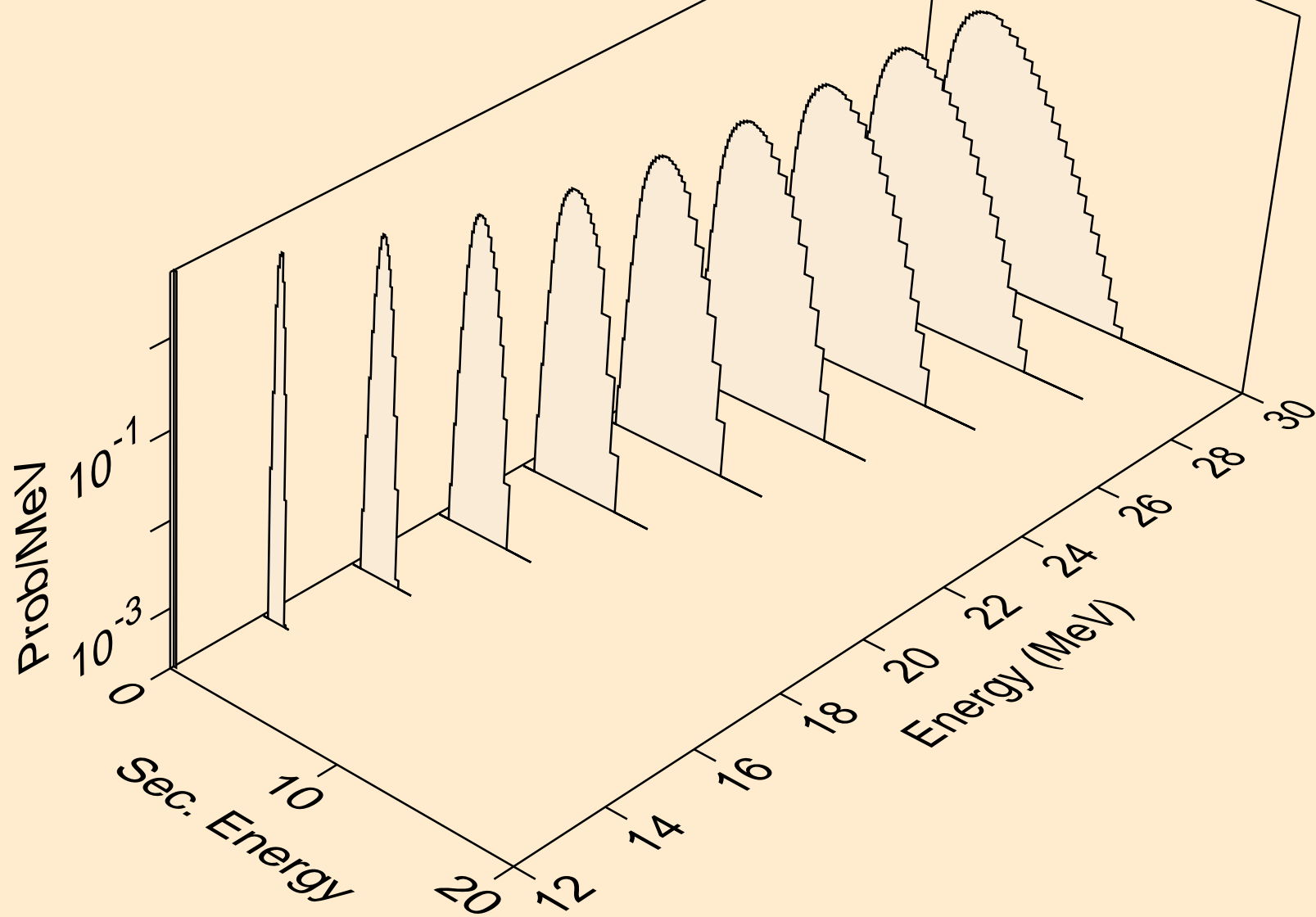
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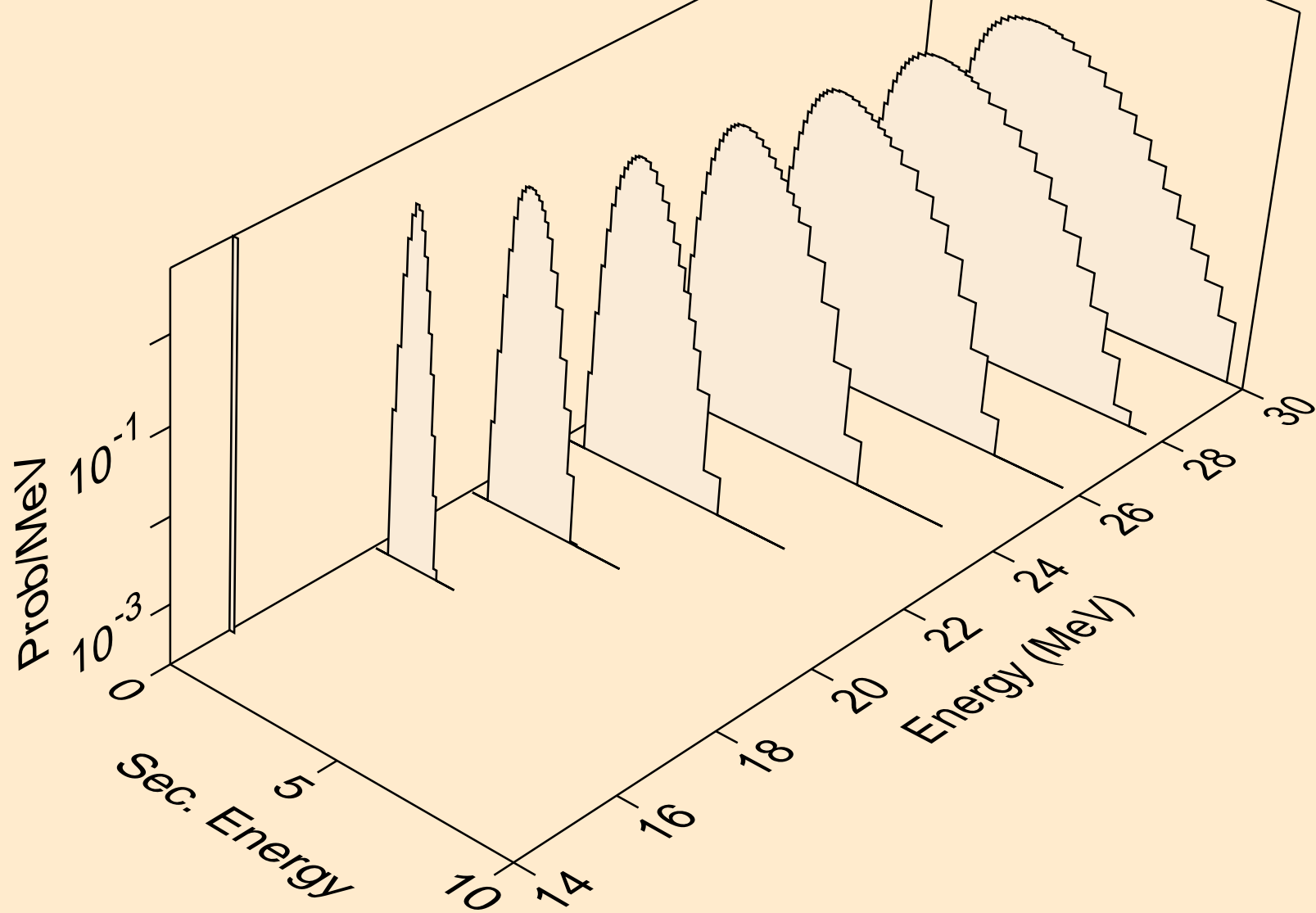
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protons from (n,p)



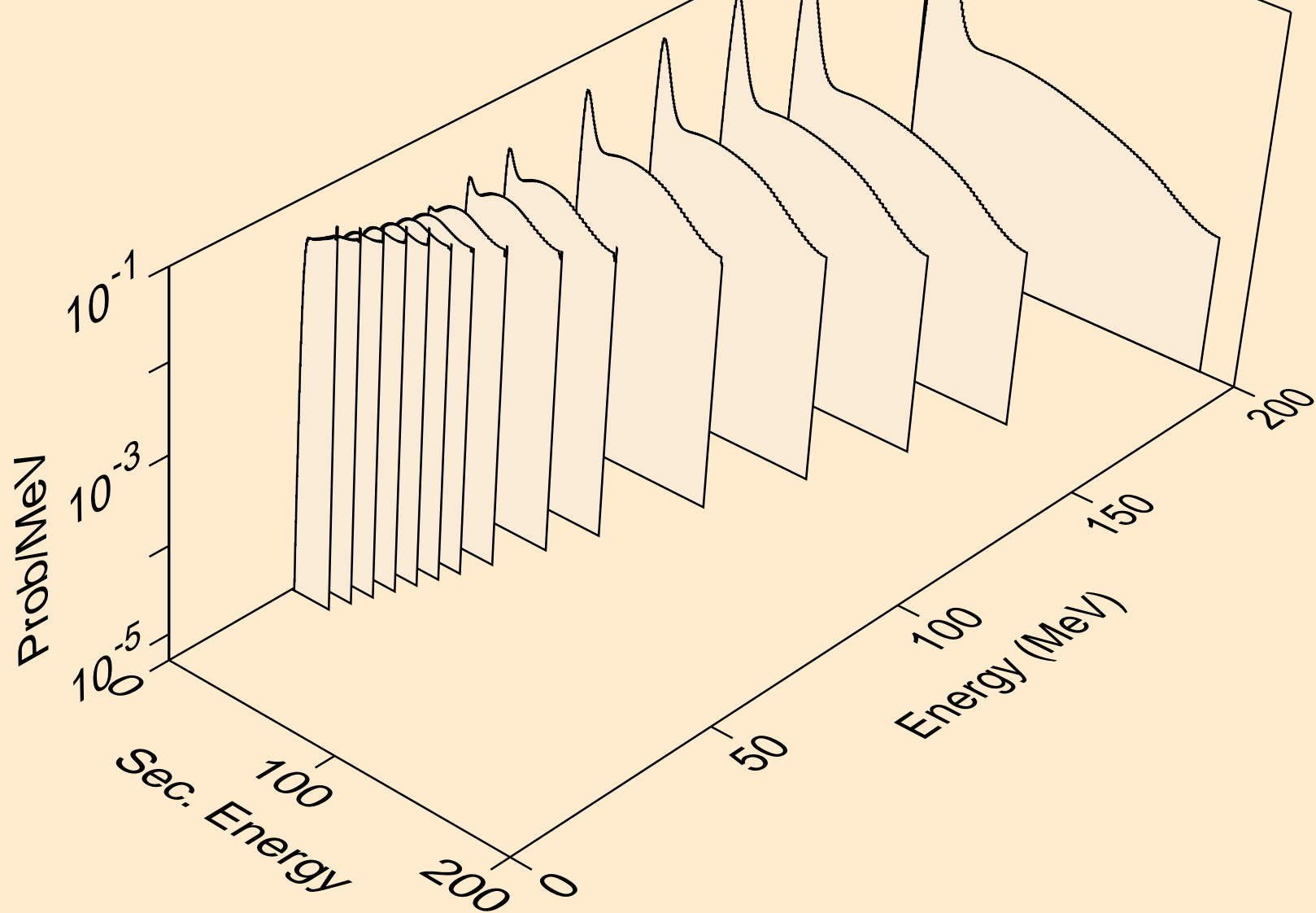
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protons from (n,pd)



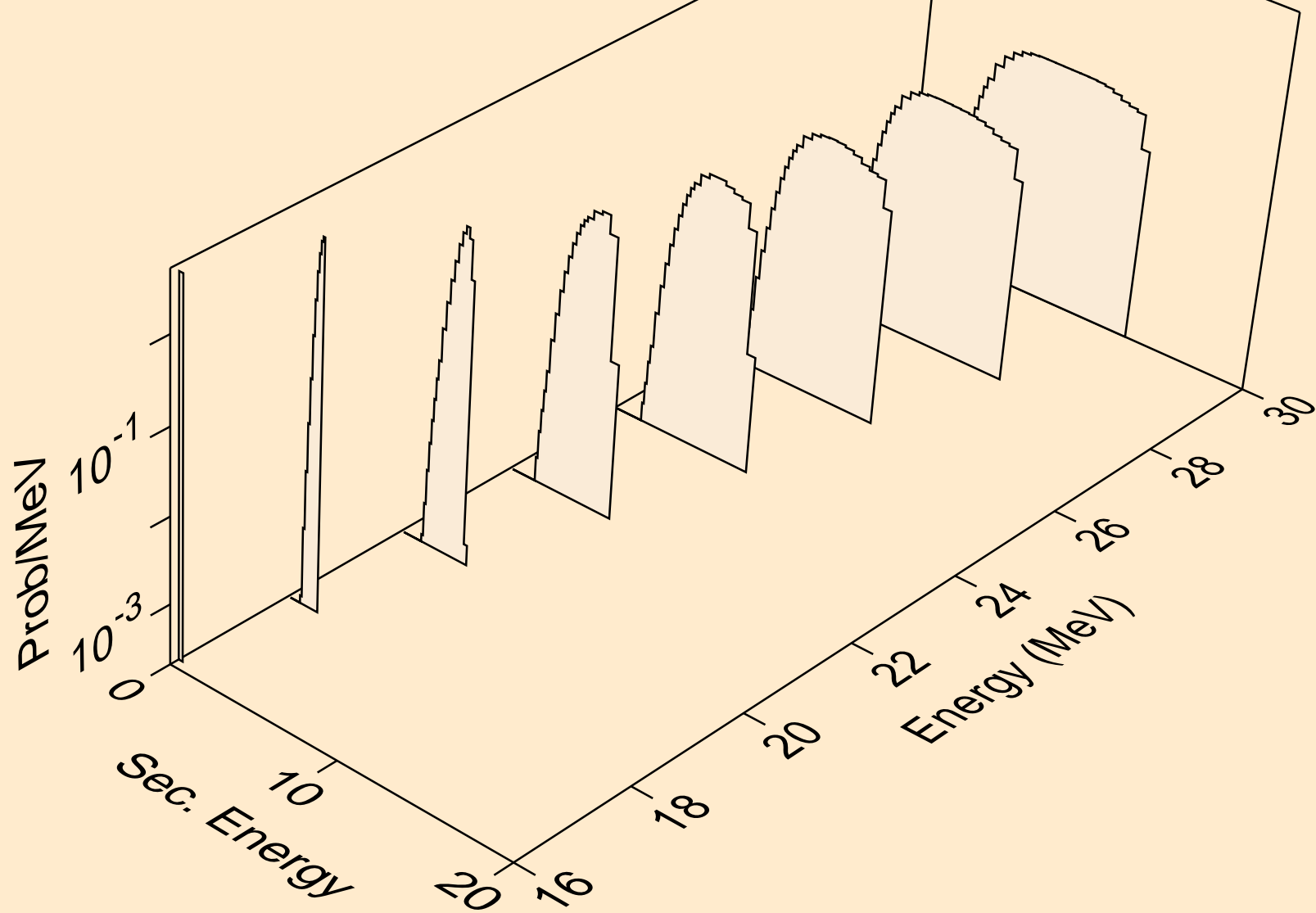
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protons from (n,pt)



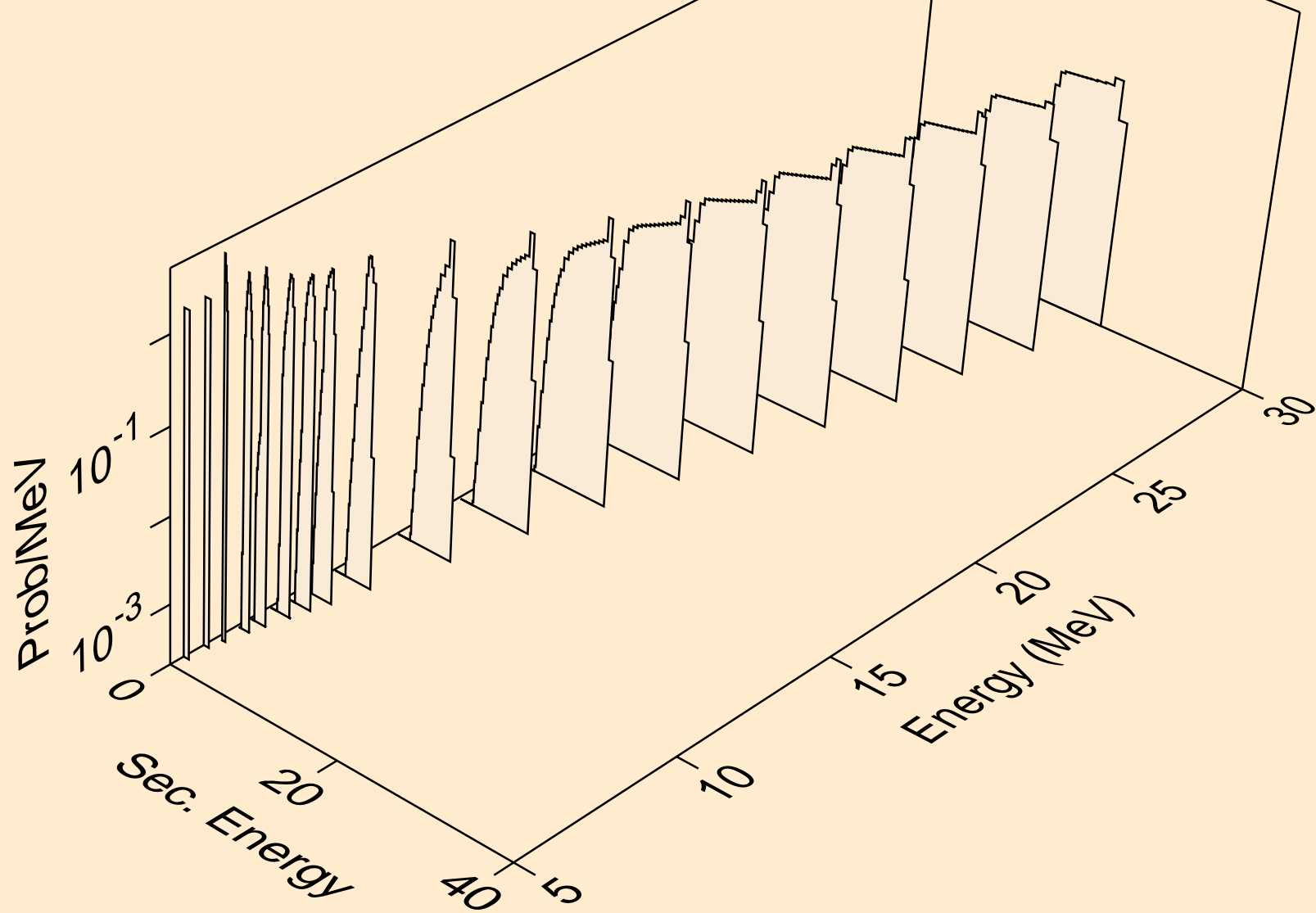
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deuterons from (n,x)



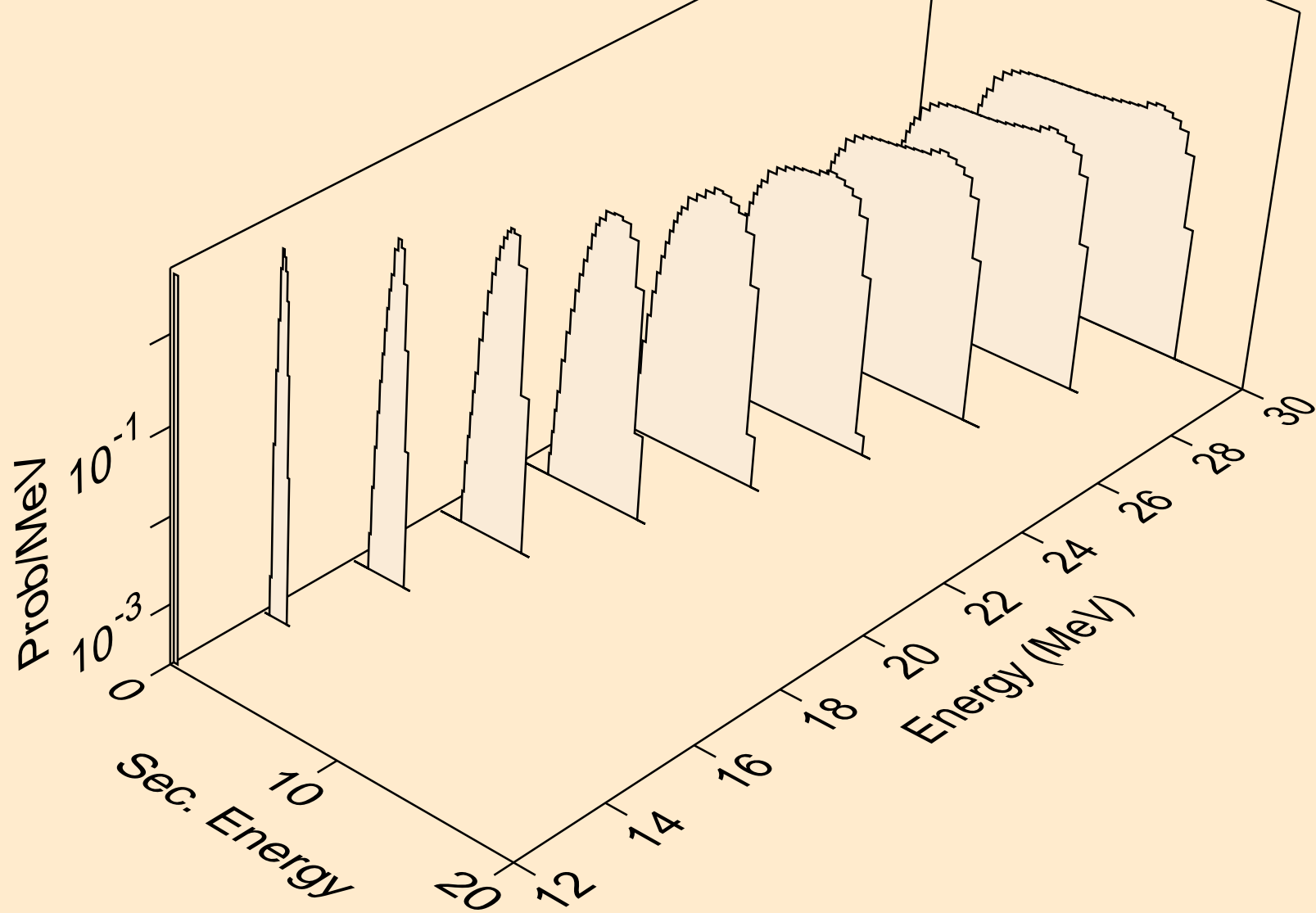
FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,n\*)d



FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,d)

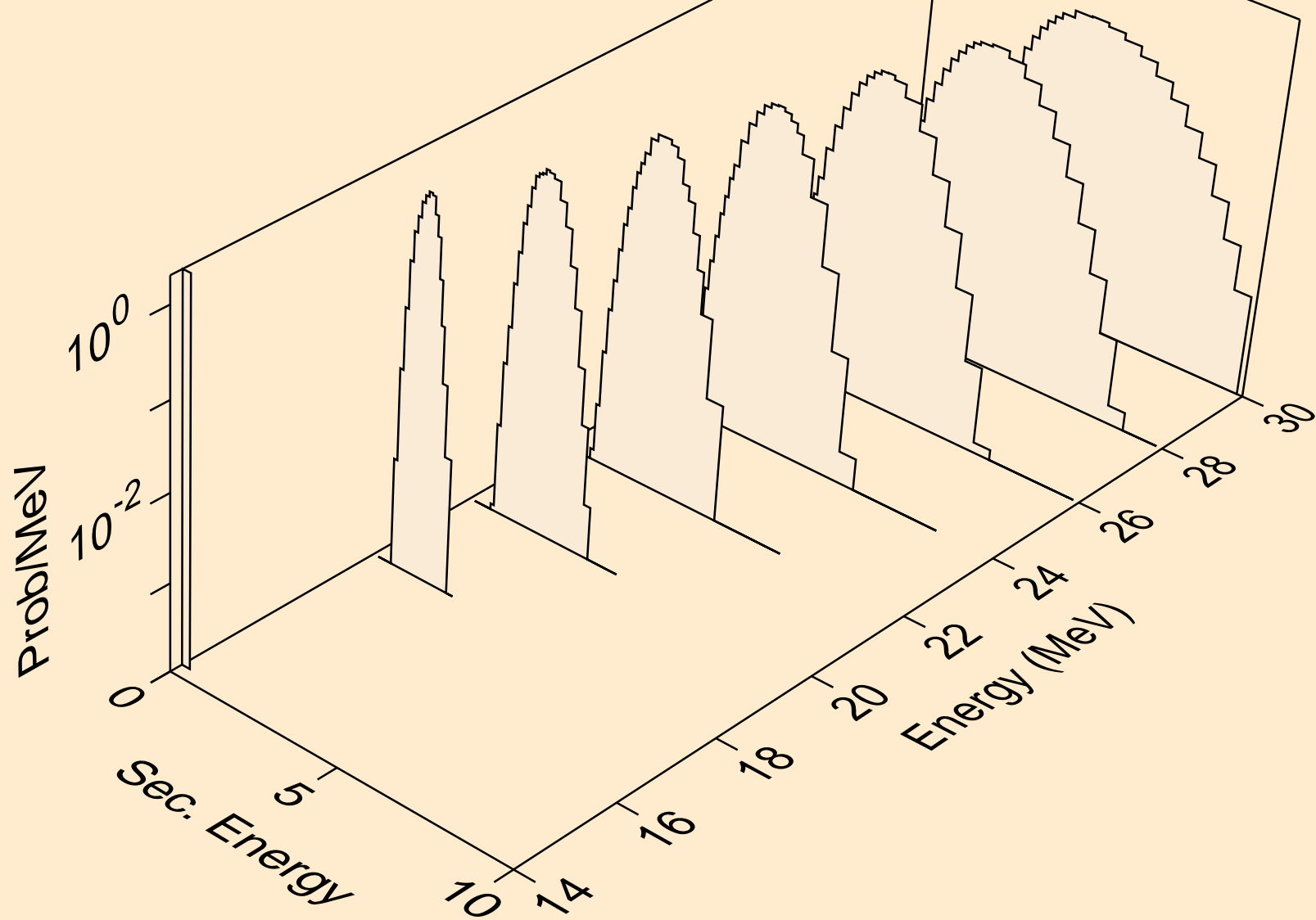


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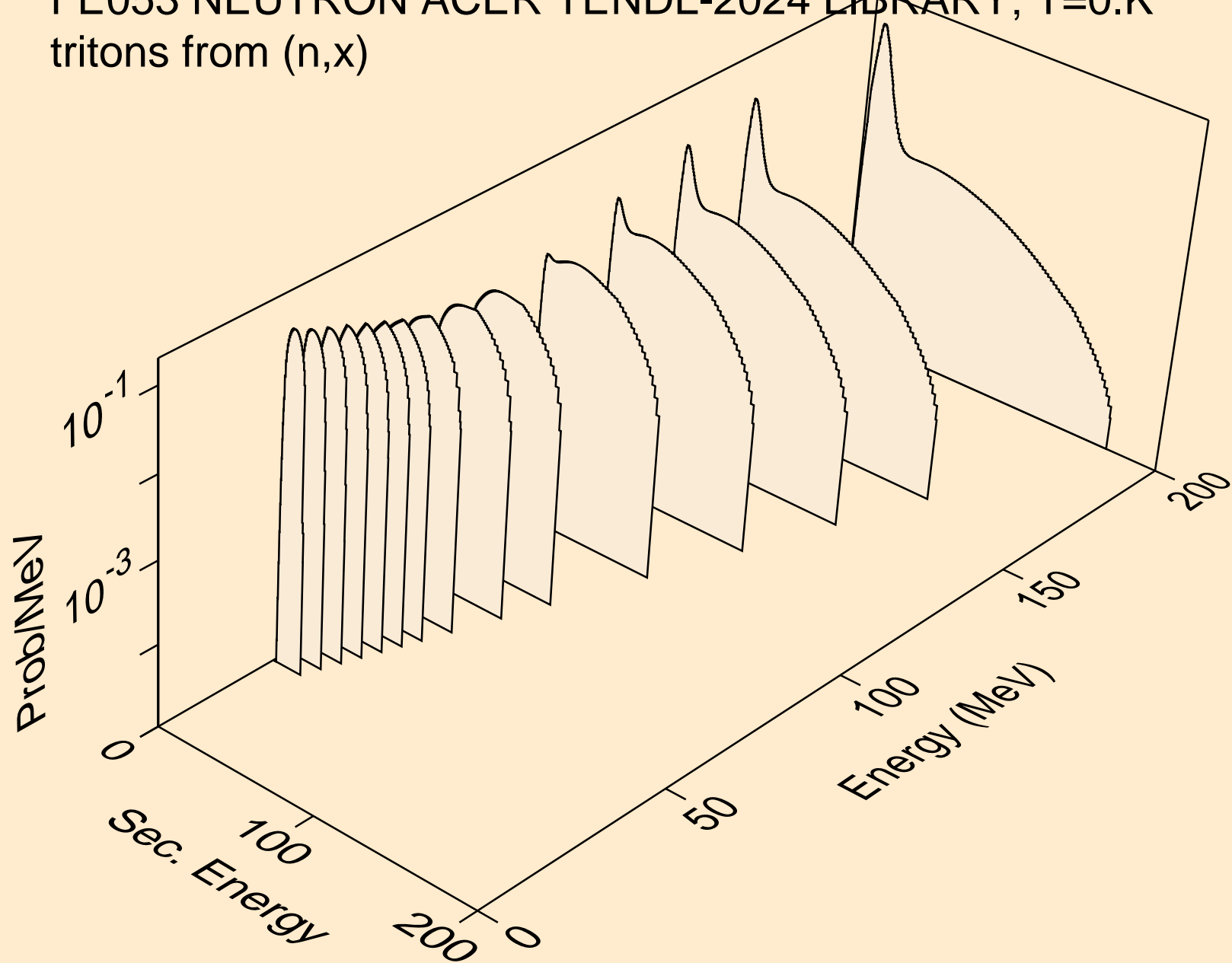




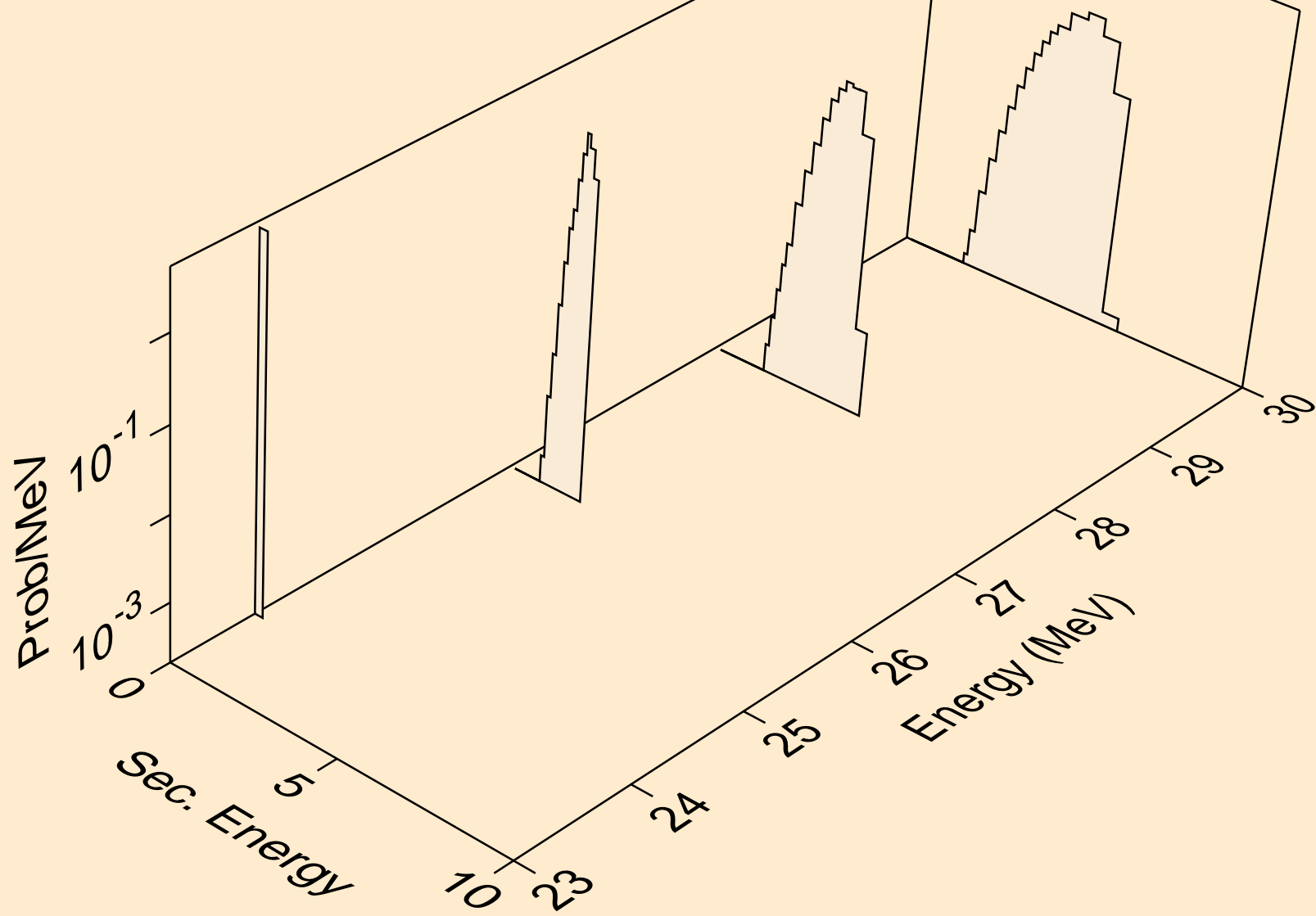
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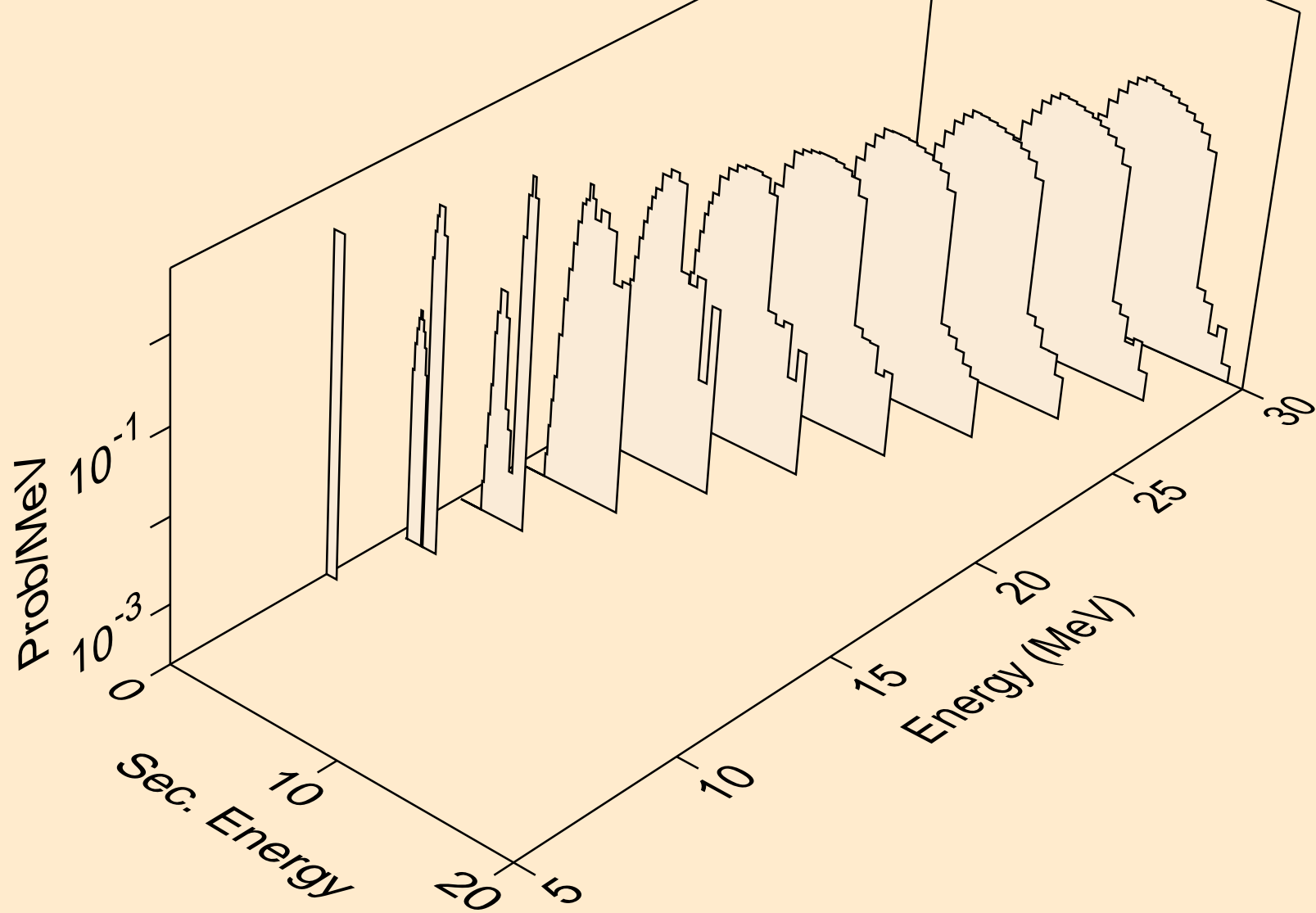
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tritons from (n,x)



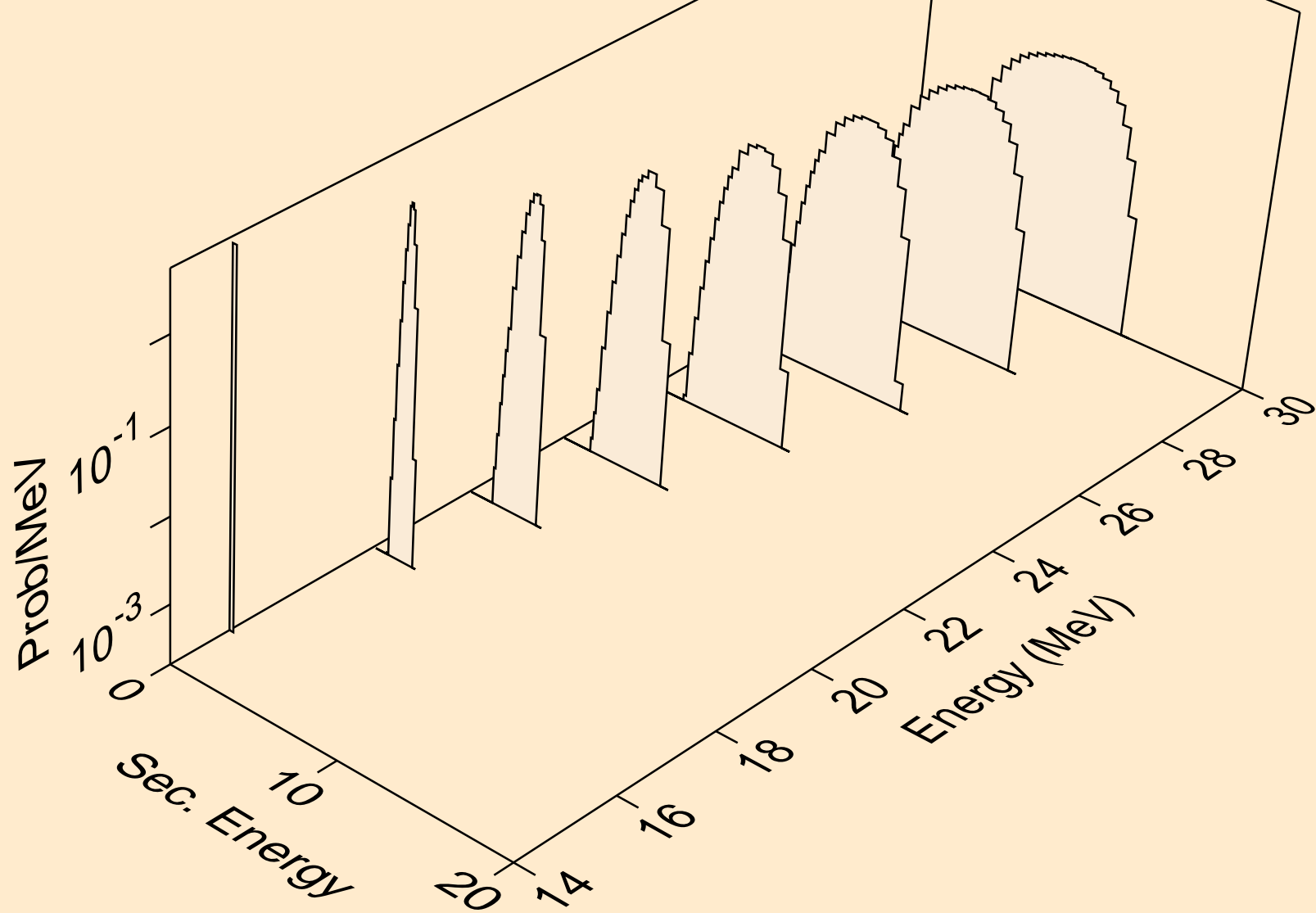
FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,n\*)t



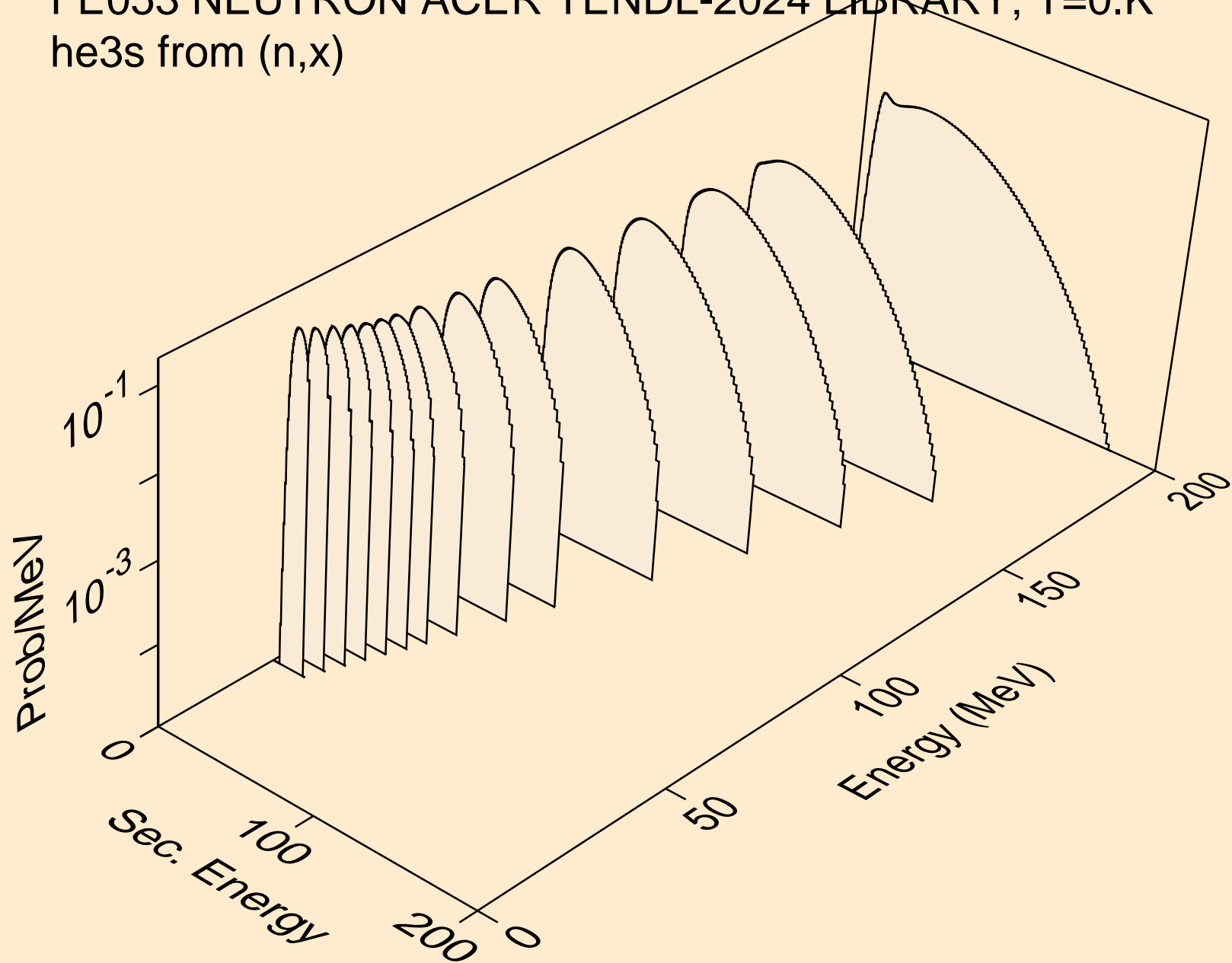
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tritons from (n,t)



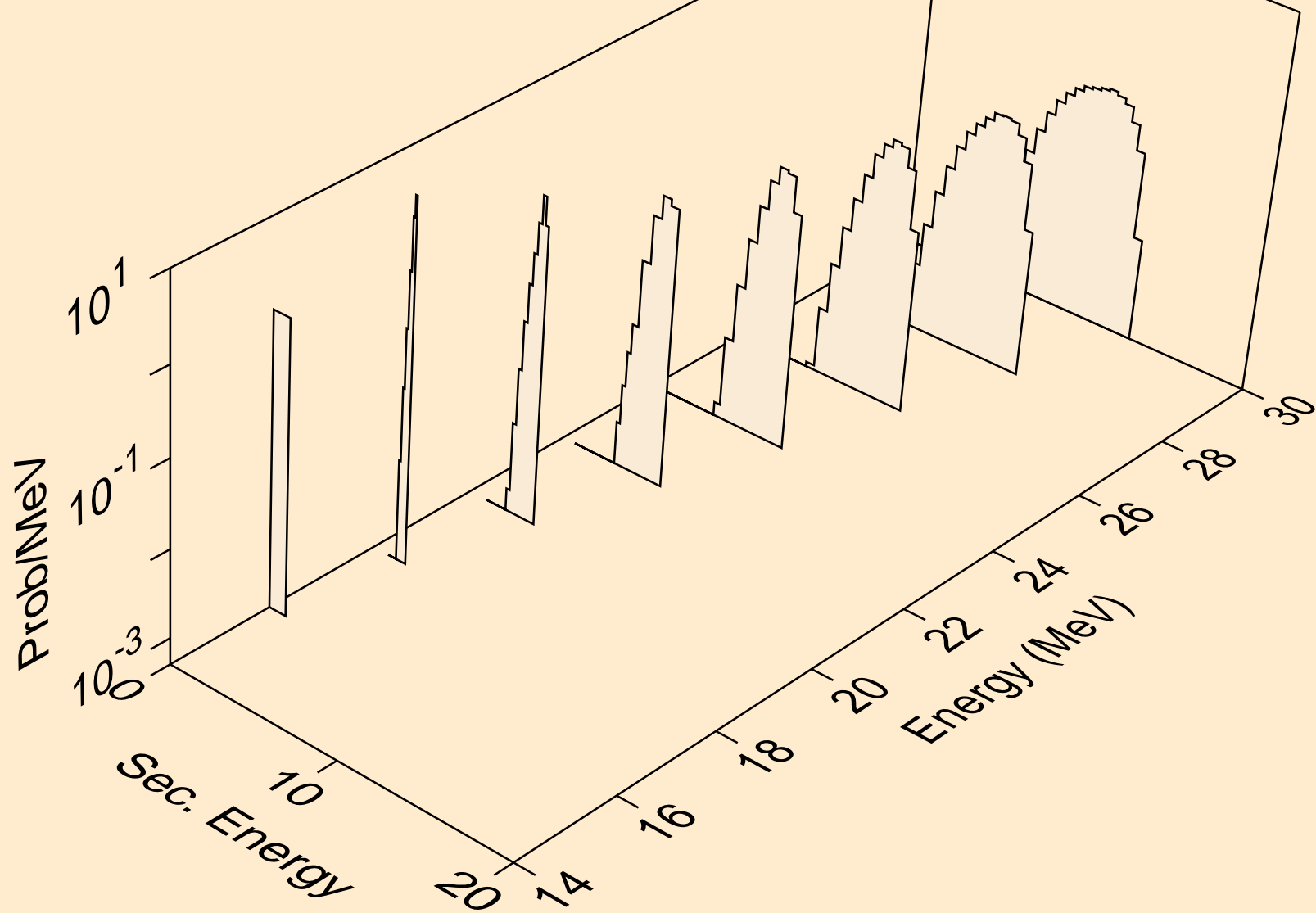
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tritons from (n,pt)



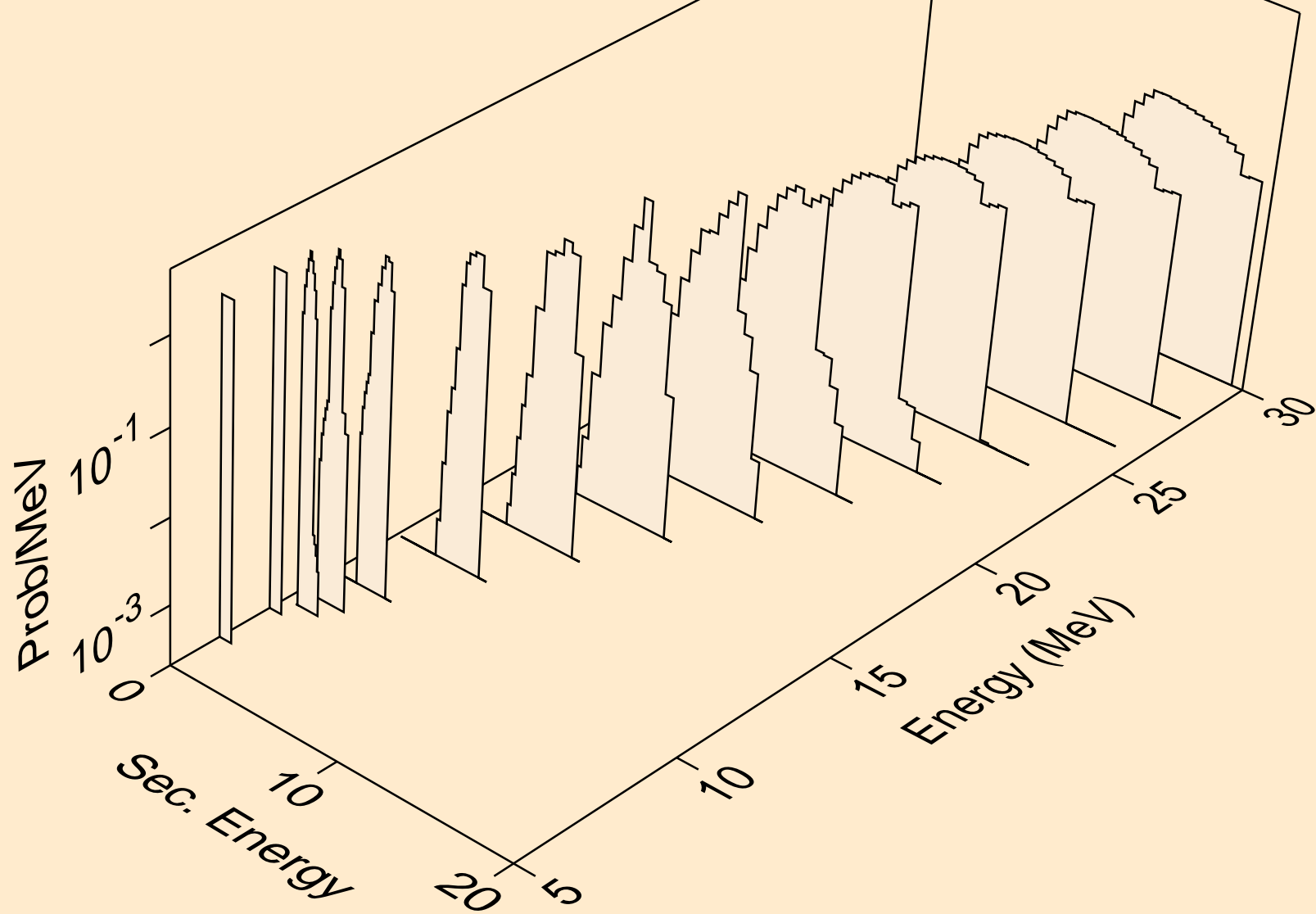
FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,x)



FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,n\*)he3

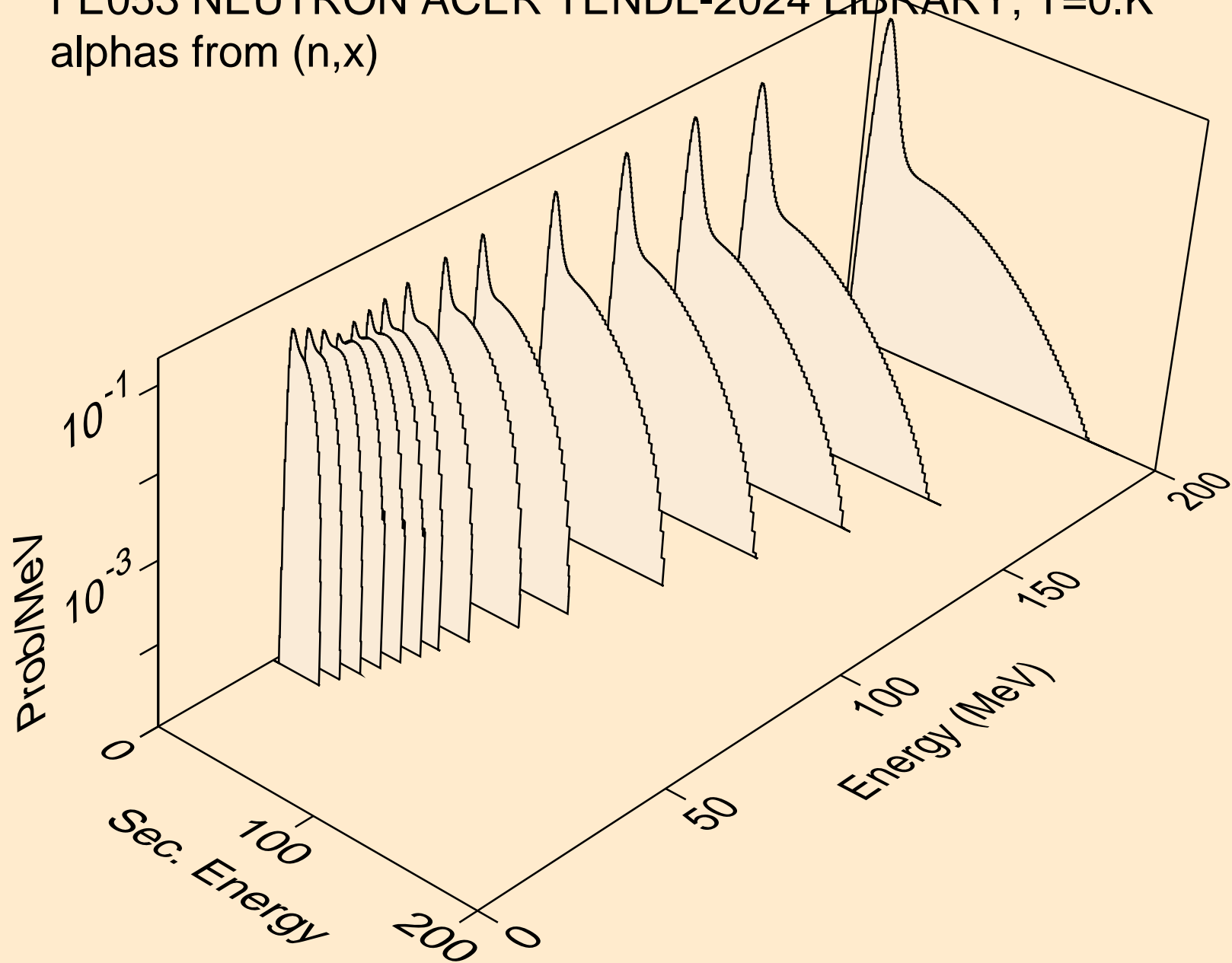


FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,he3)

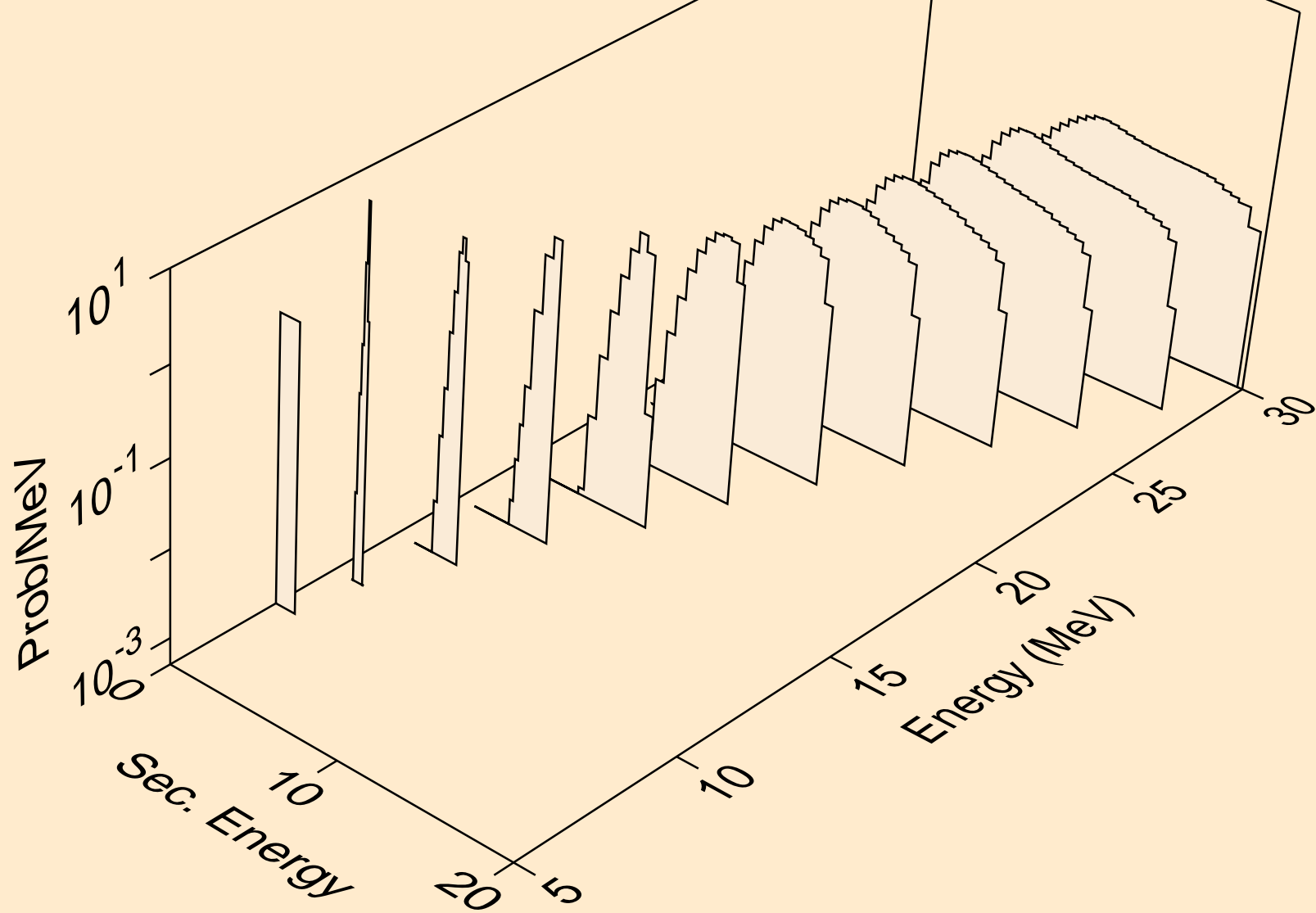




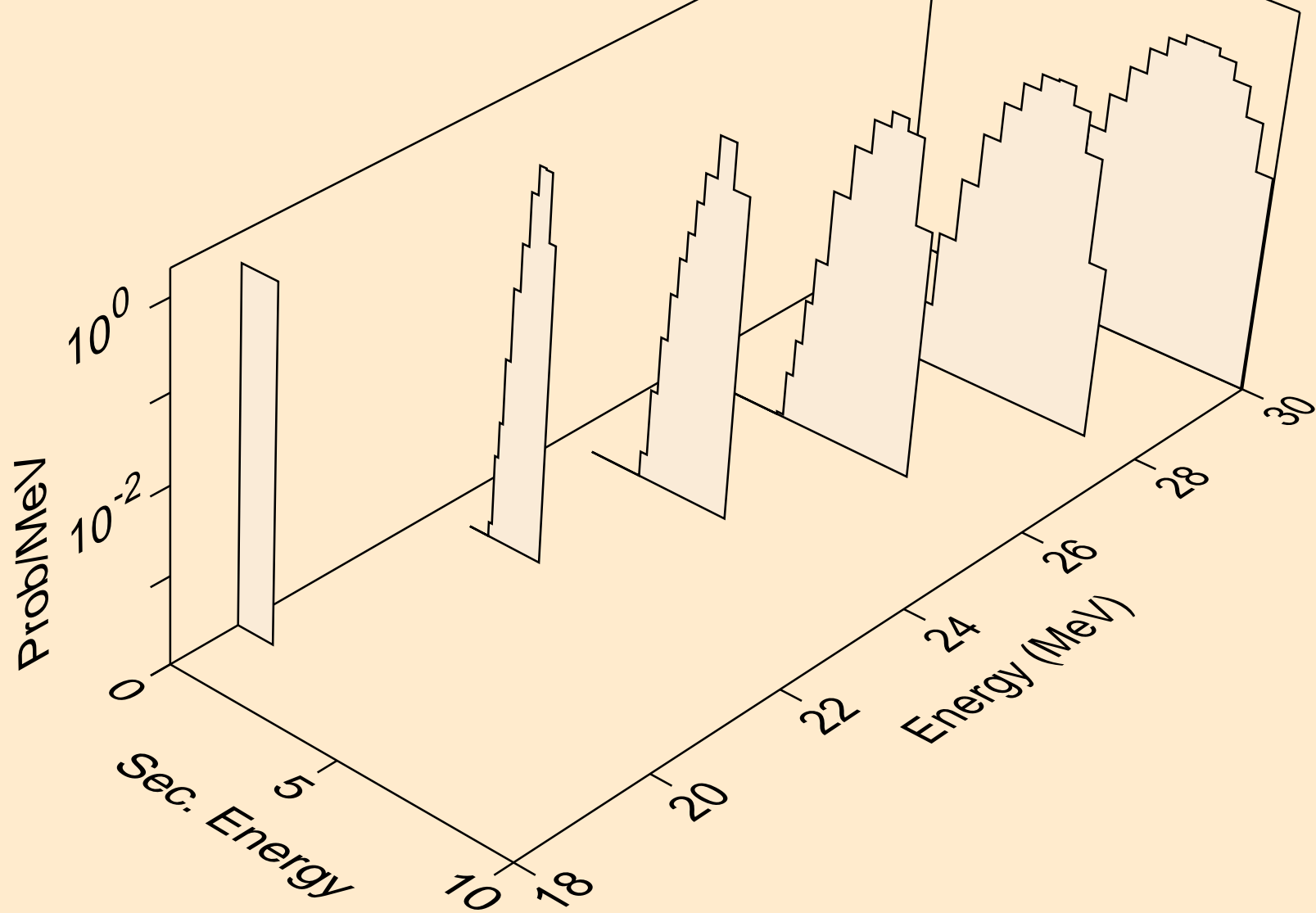
FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,x)



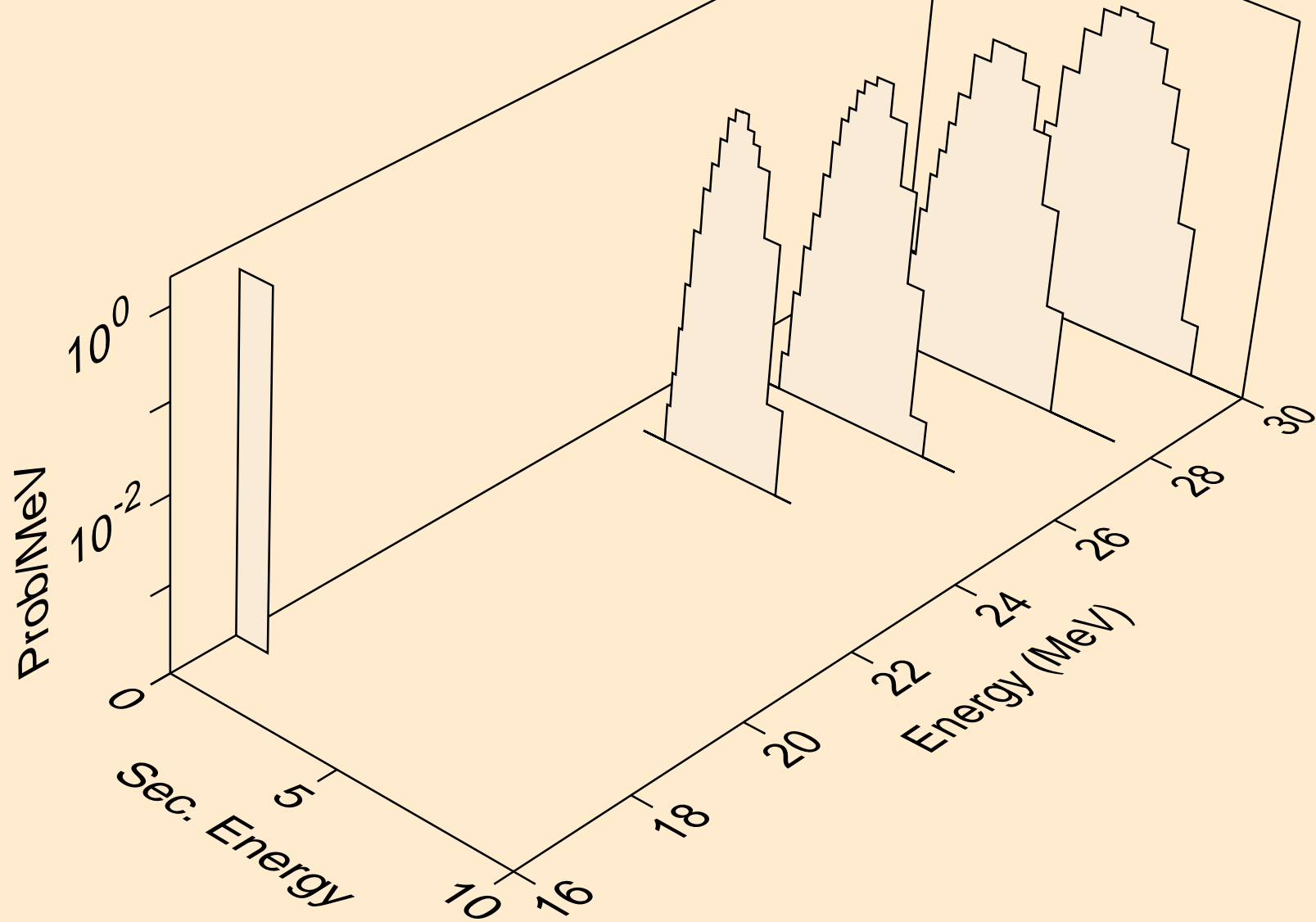
FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)a



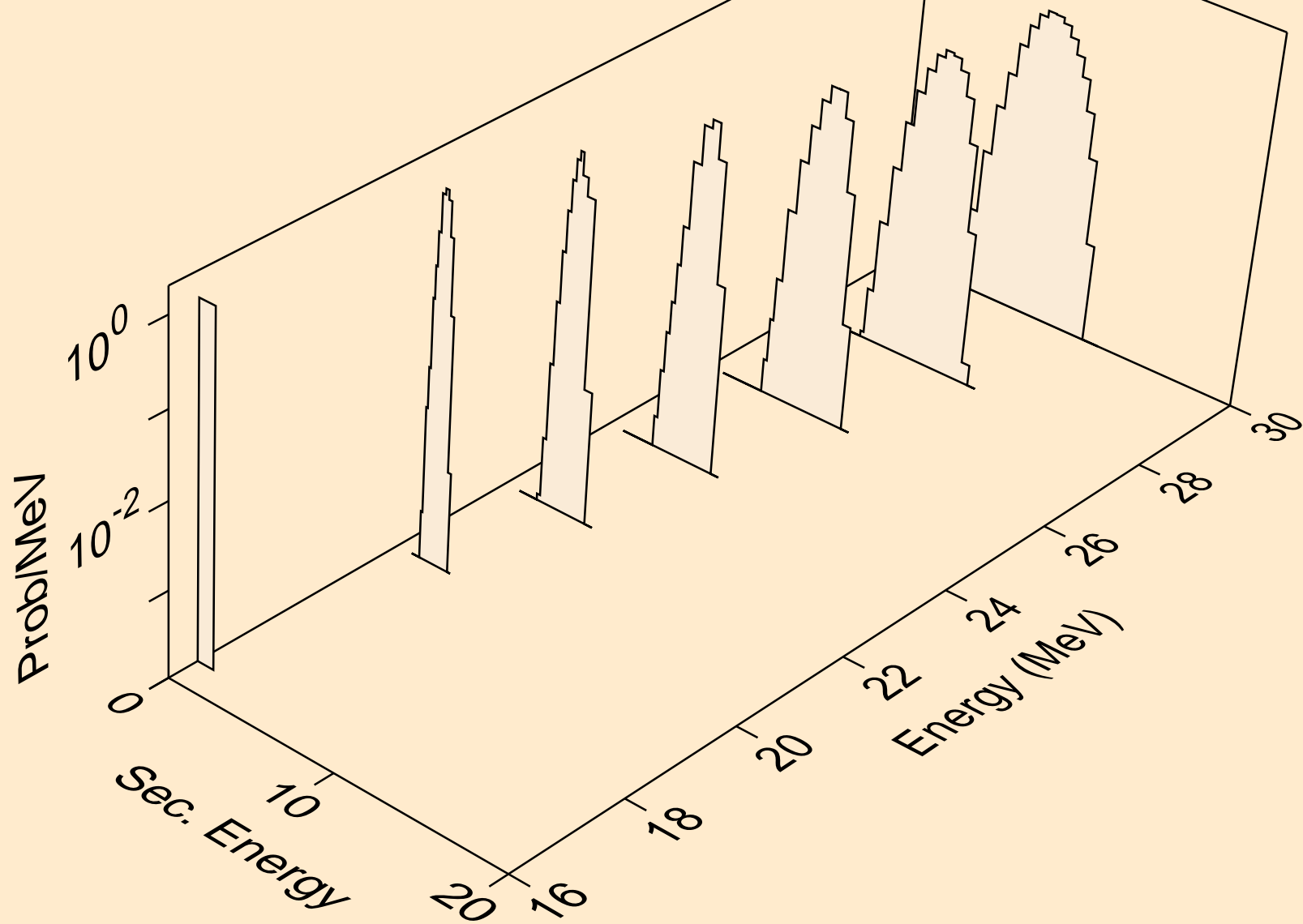
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alphas from (n,2n)a



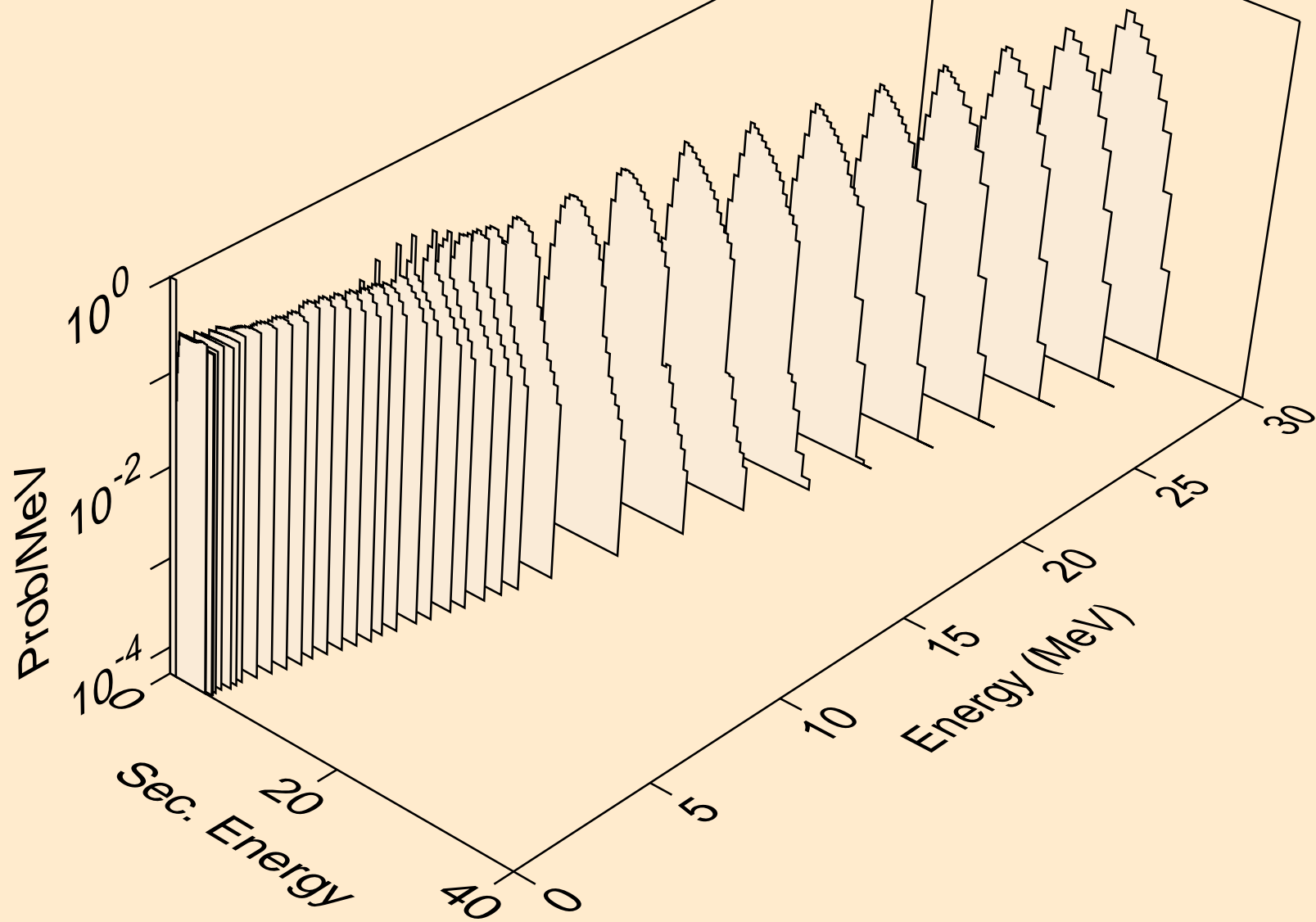
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alphas from (n,n\*)2a



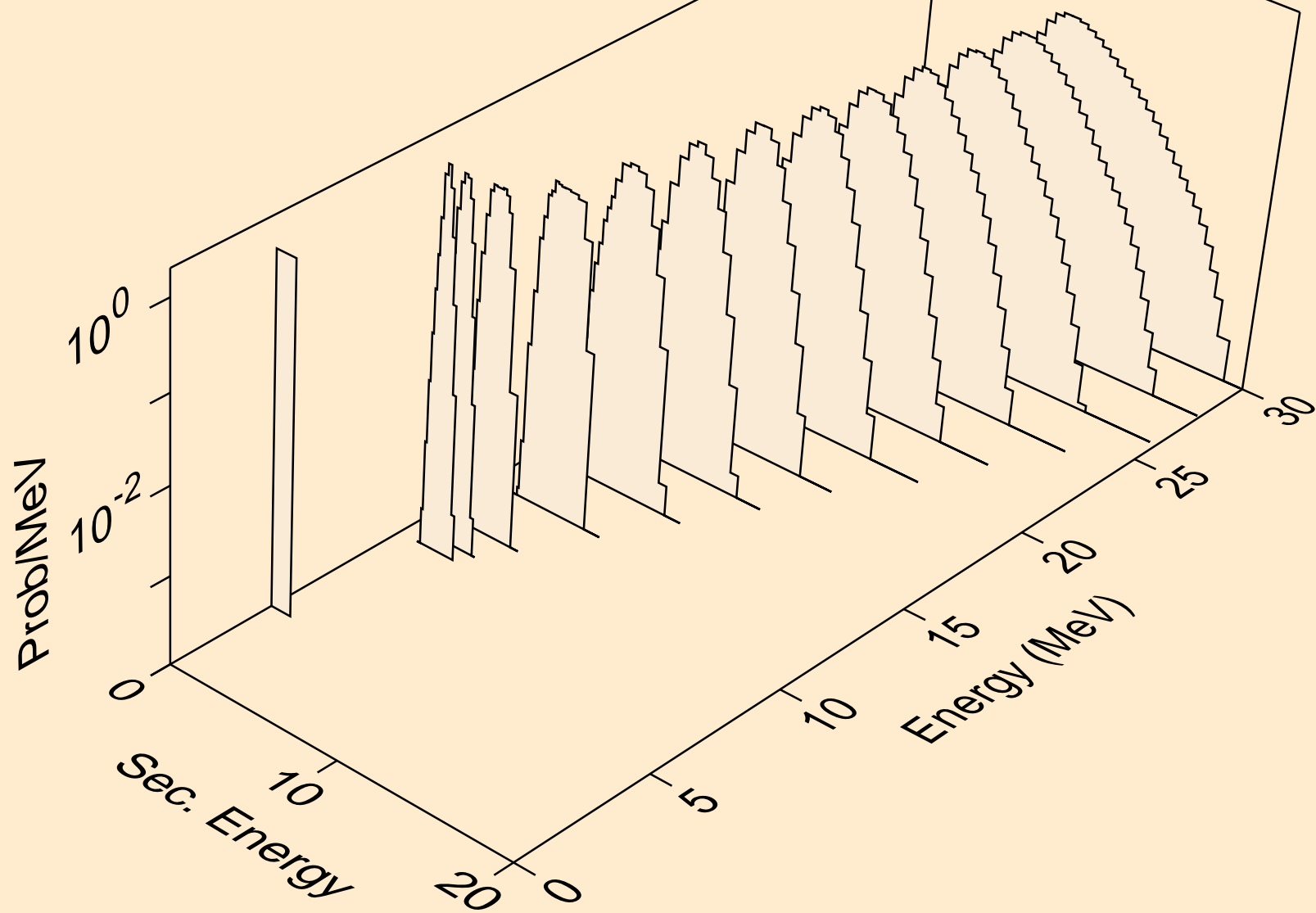
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alphas from (n,npa)



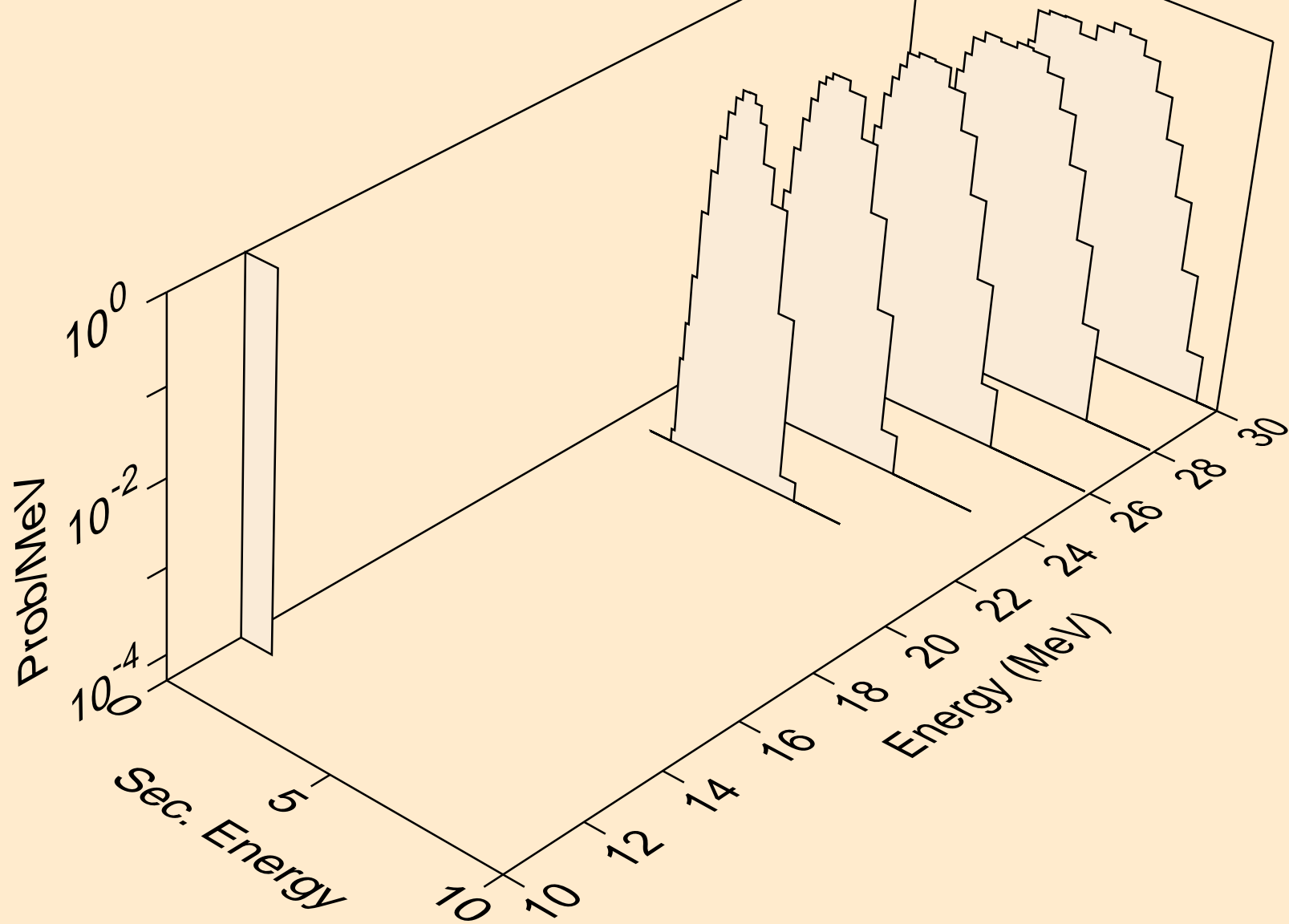
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alphas from (n,a)



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alphas from (n,2a)

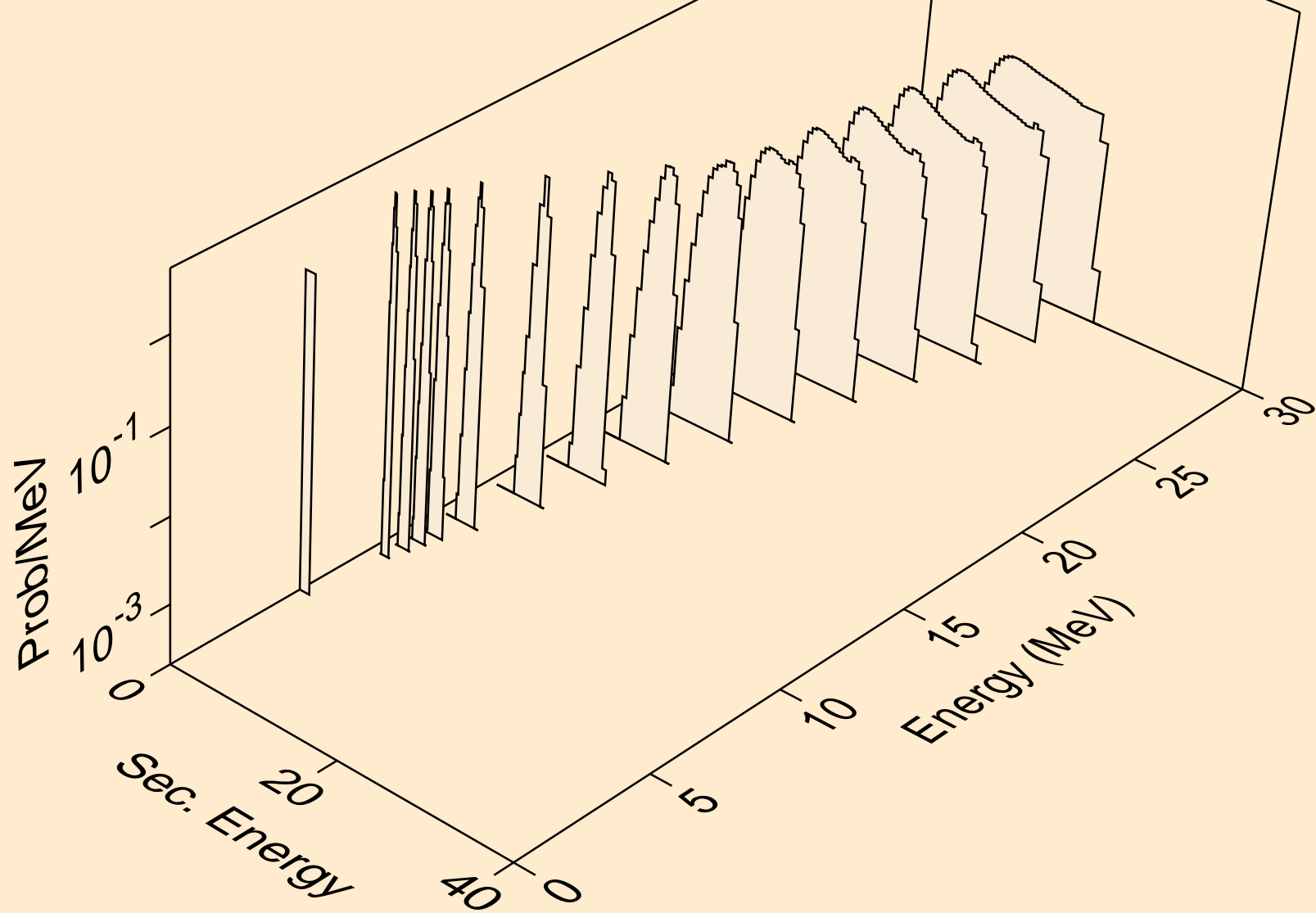


FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,3a)





FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,pa)



FE053 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,da)

