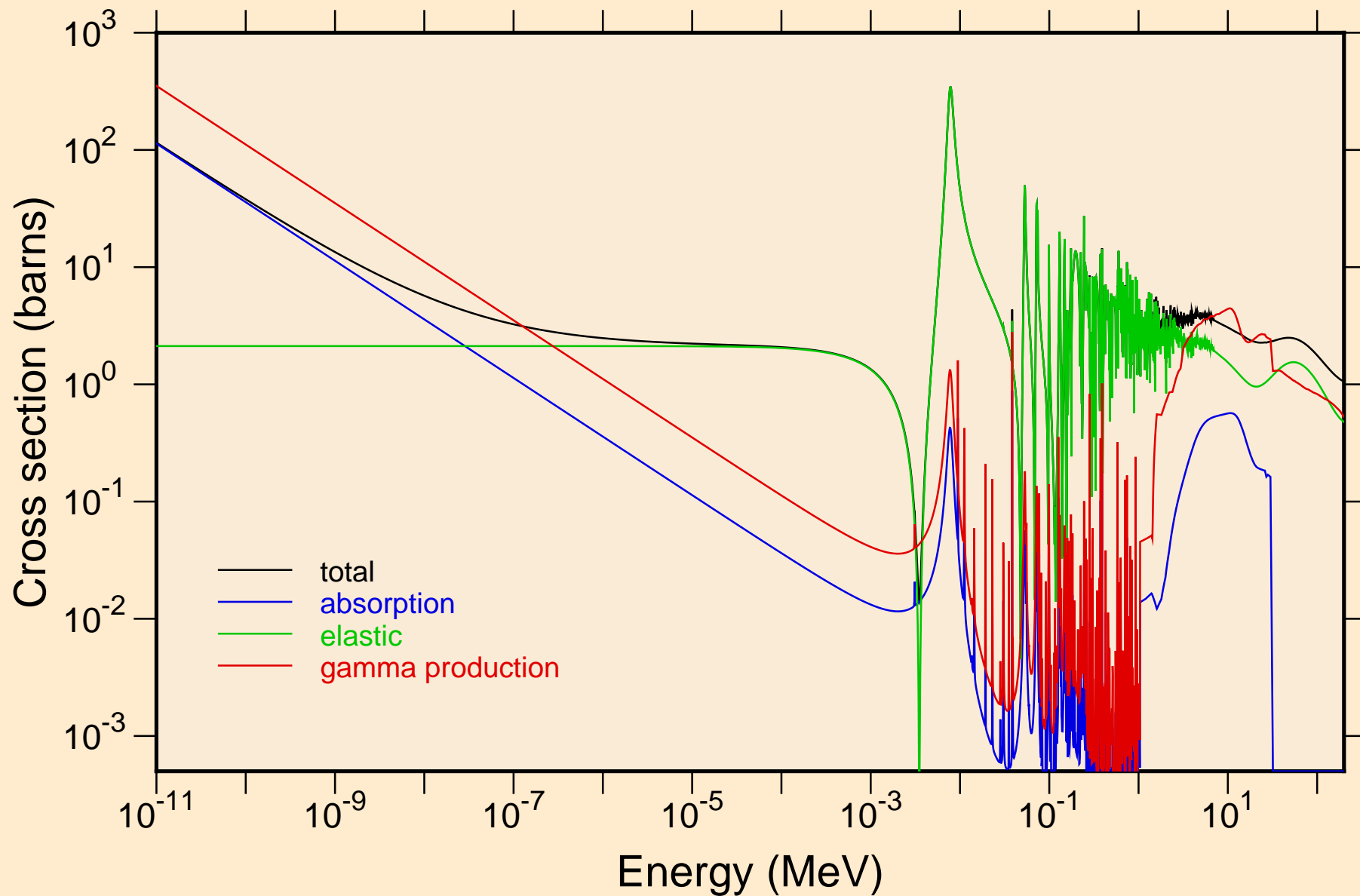
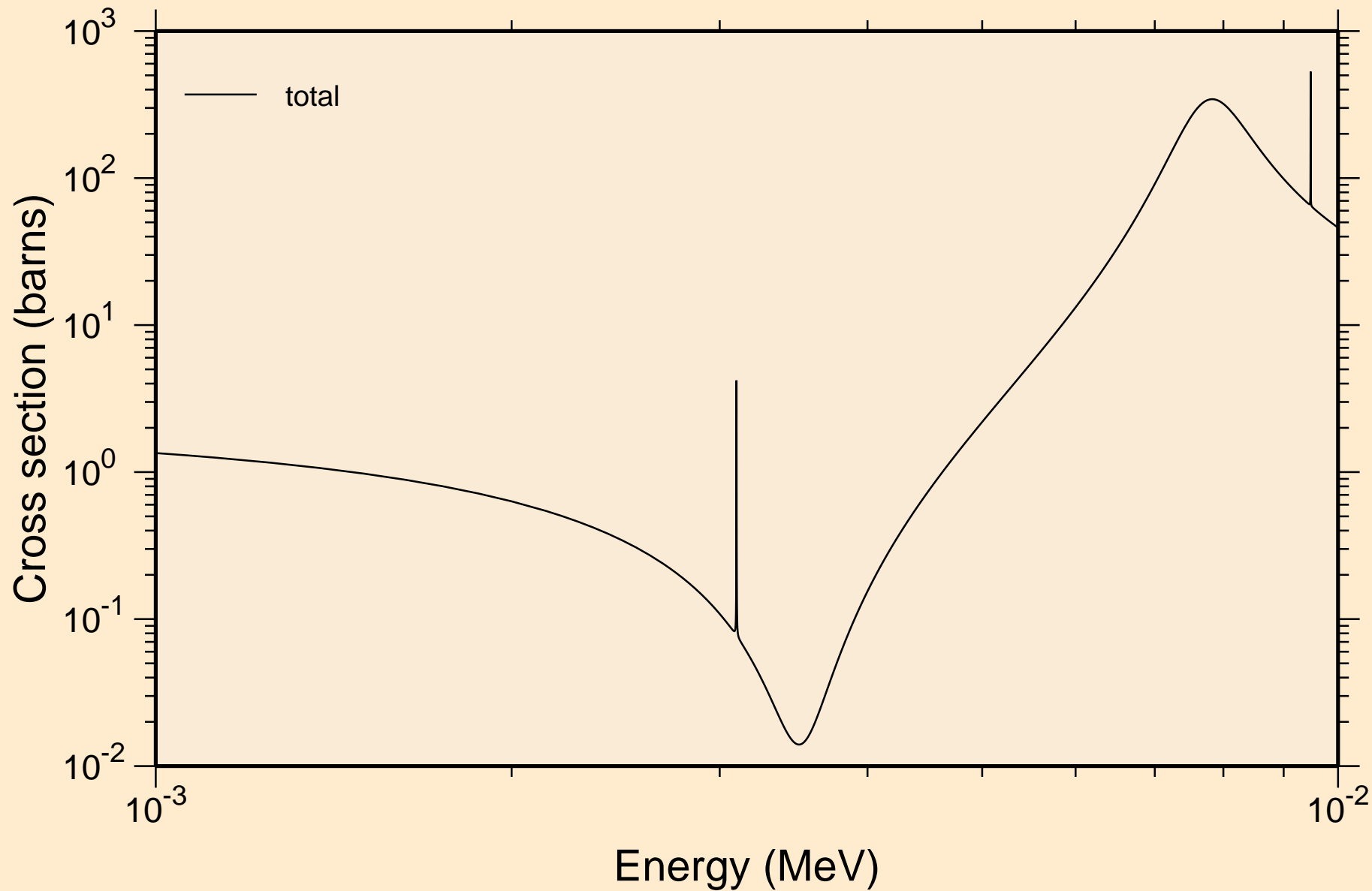


# FE054 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

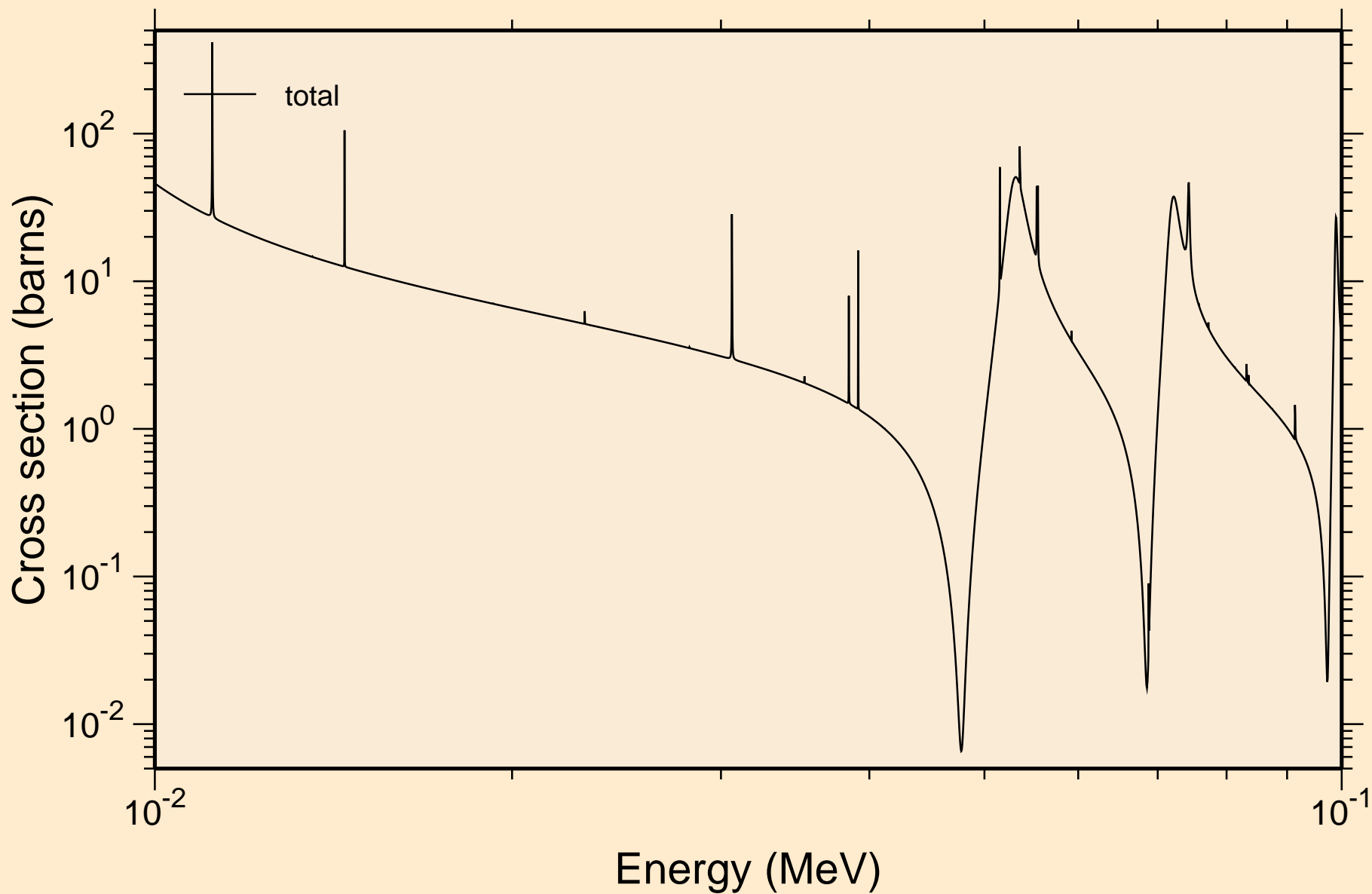
## Principal cross sections



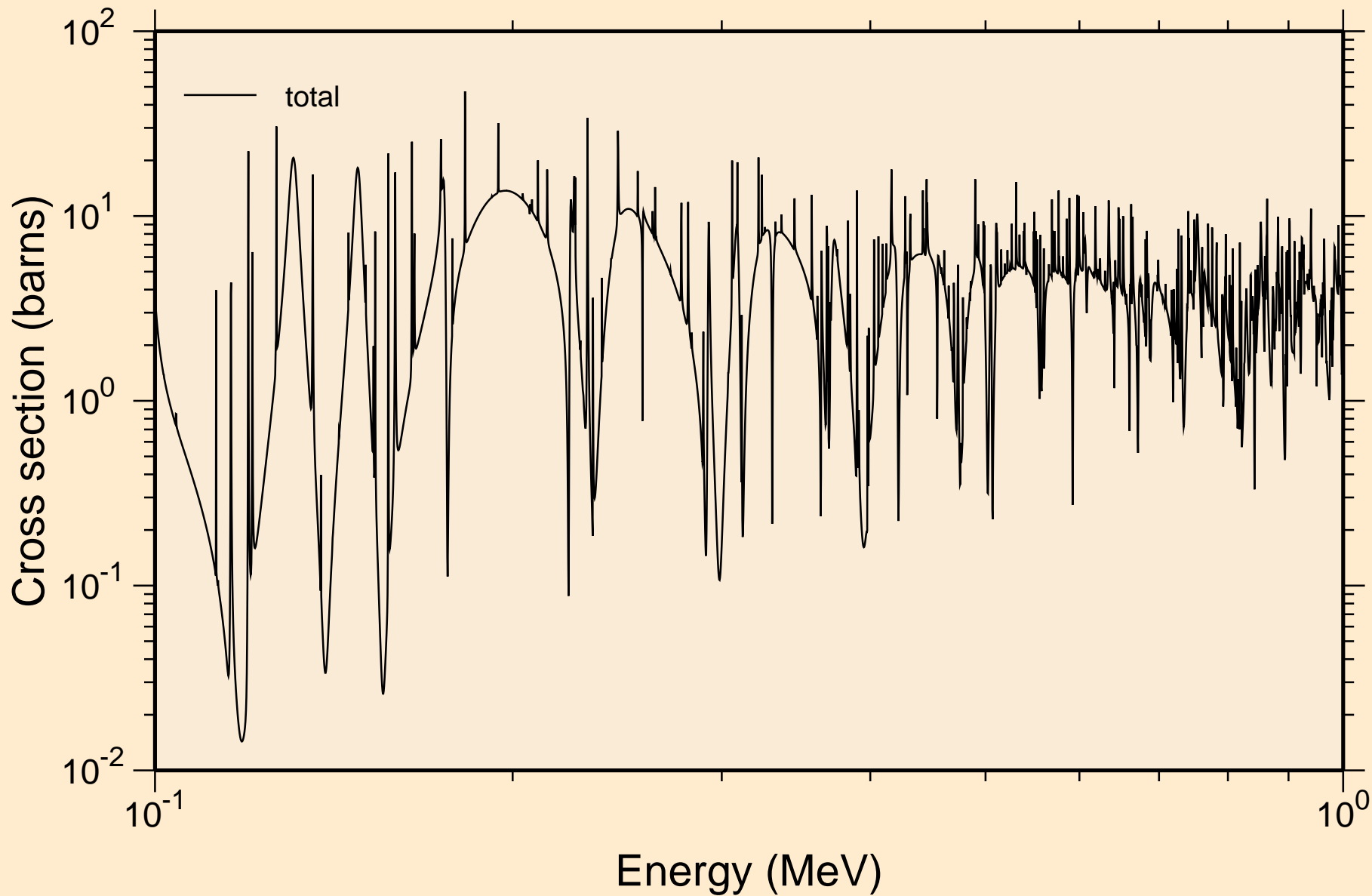
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resonance total cross section



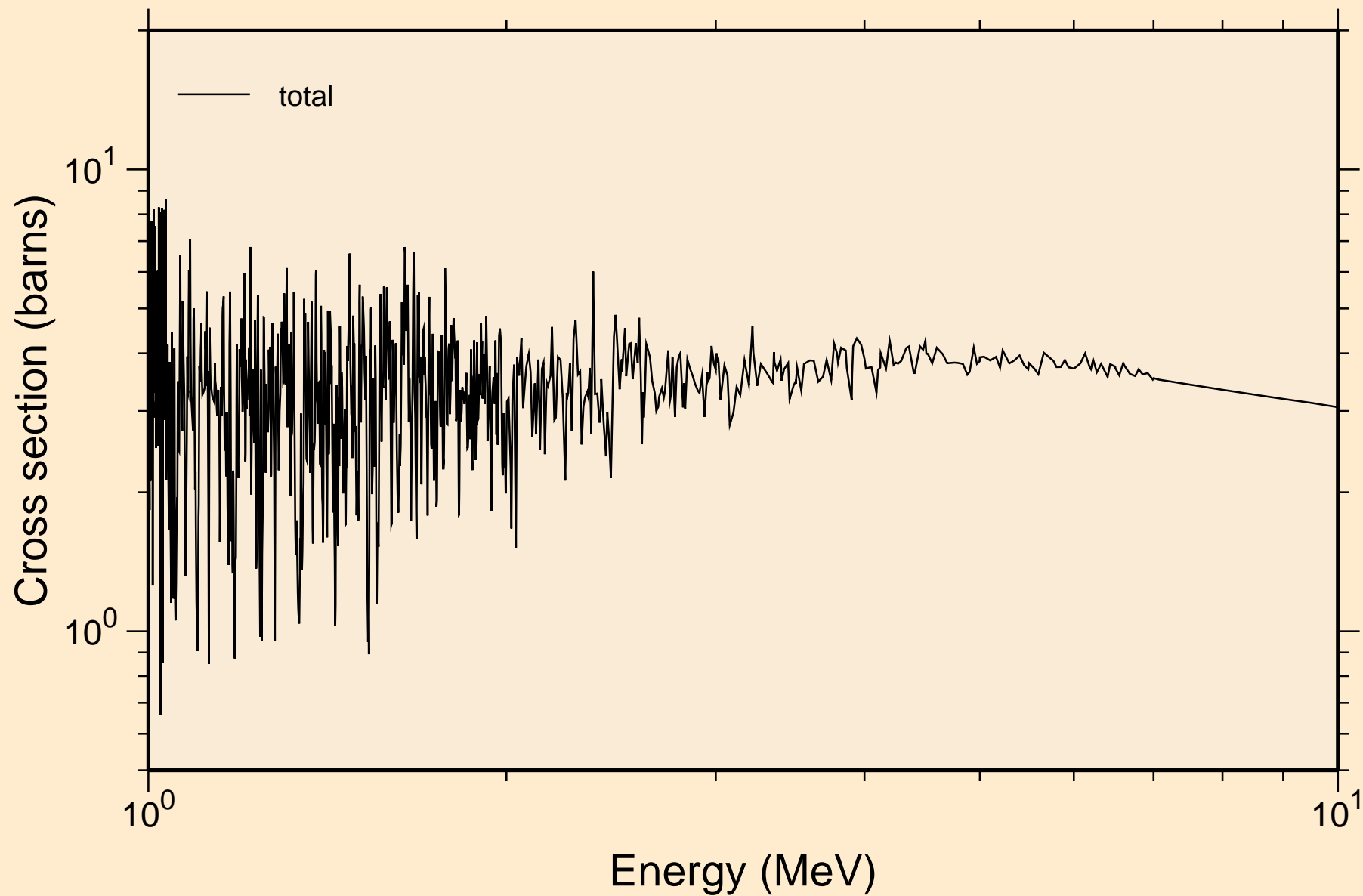
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resonance total cross section



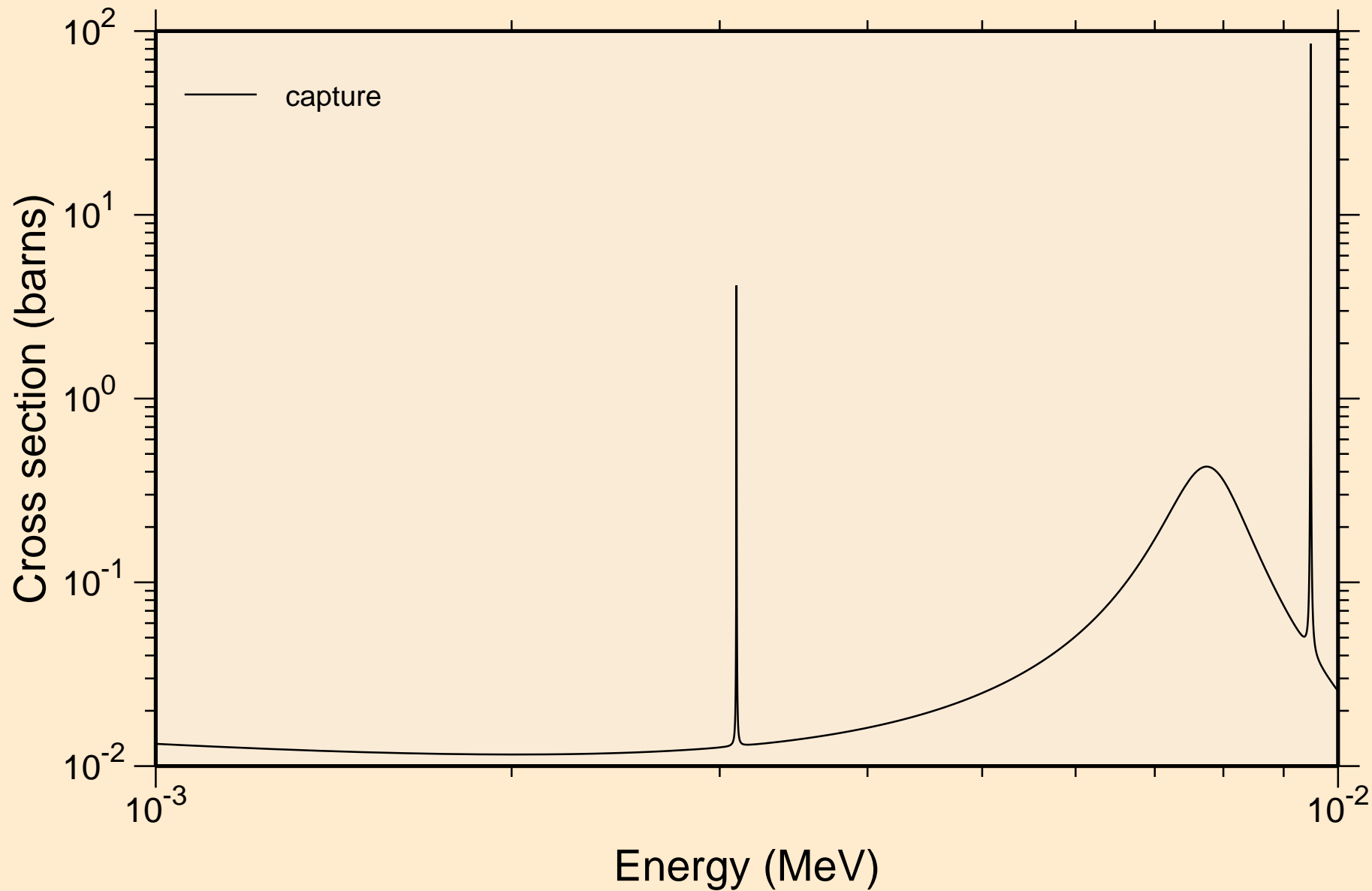
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resonance total cross section



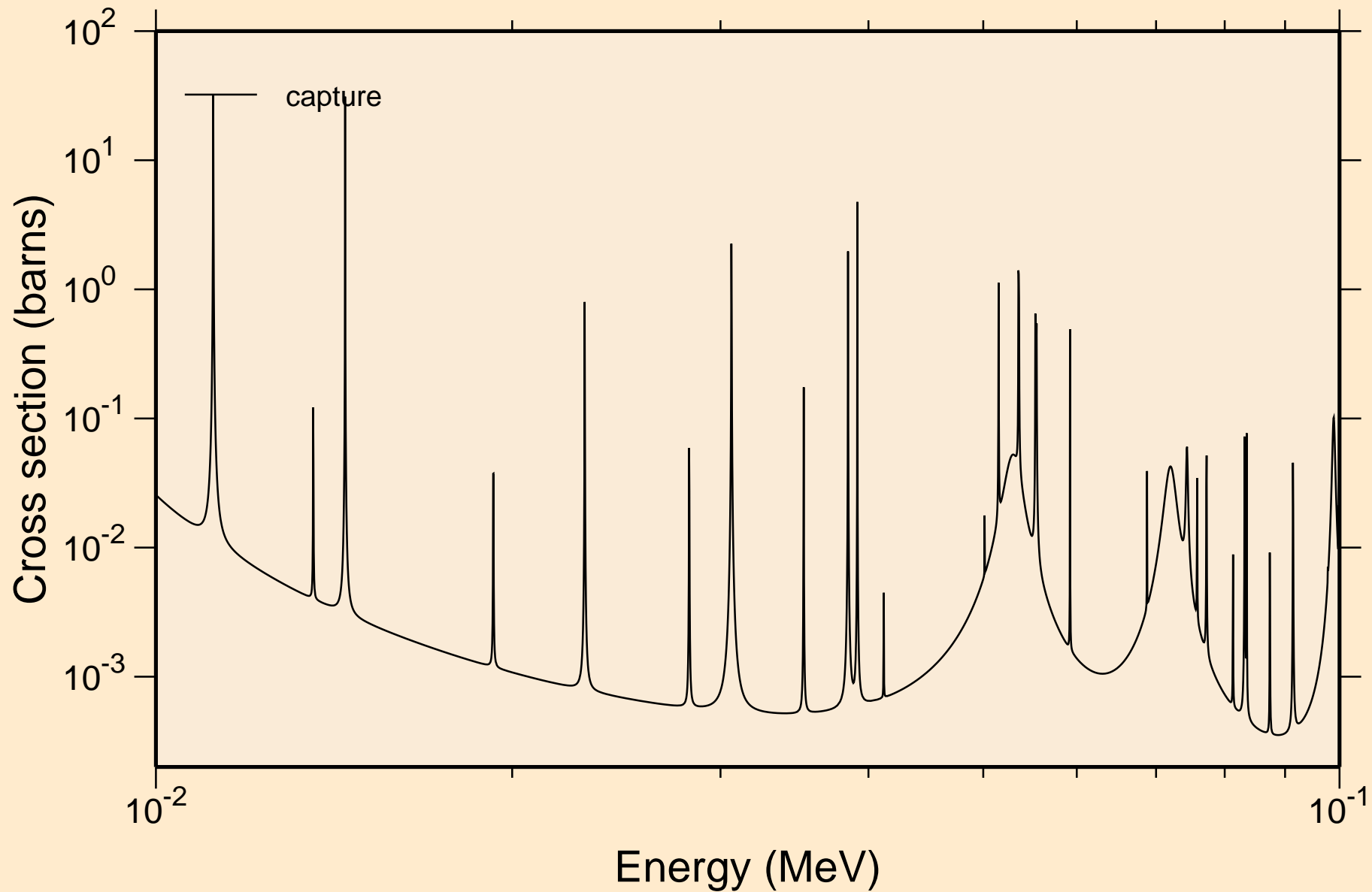
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resonance total cross section



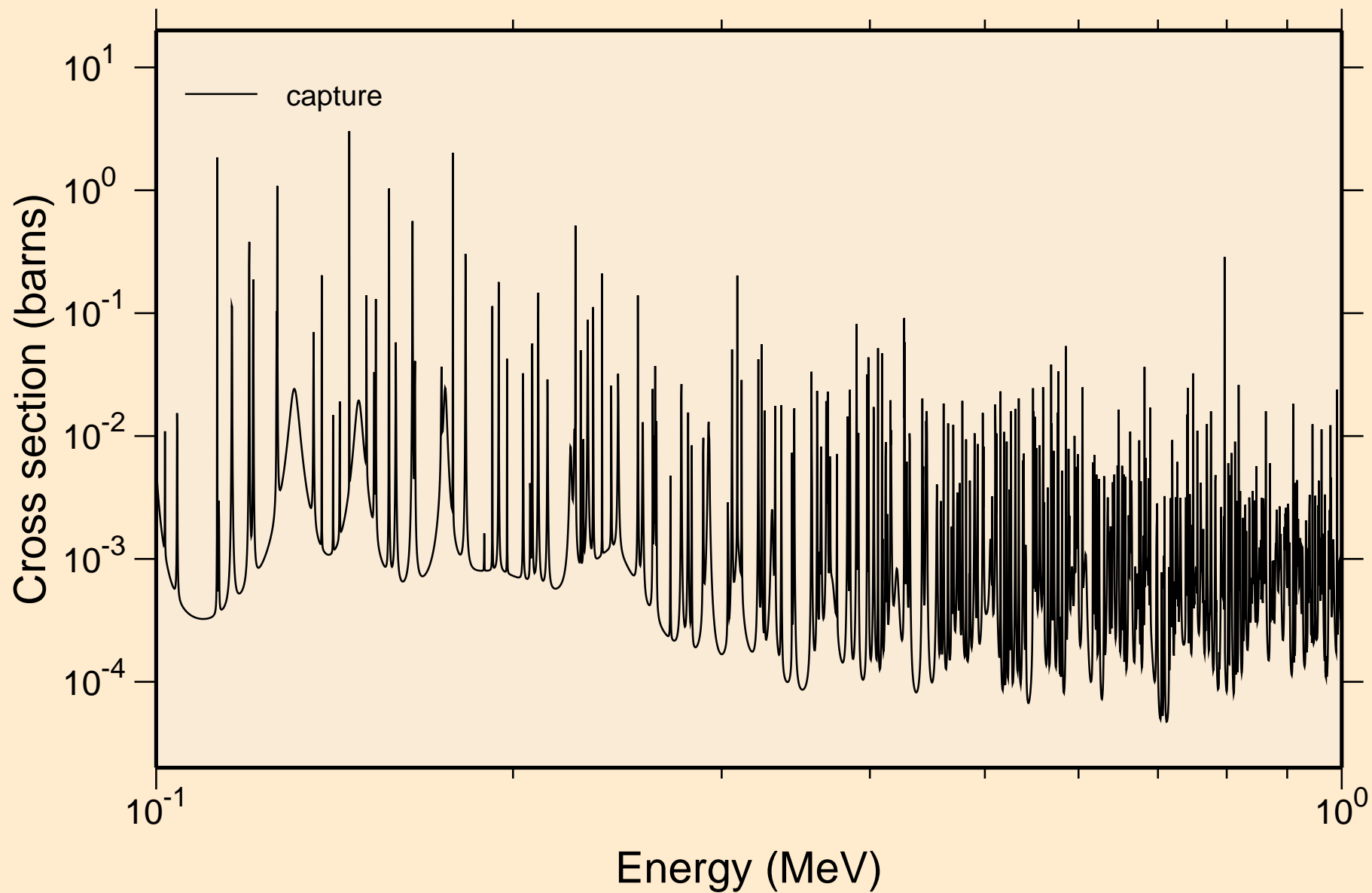
FE054 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



FE054 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

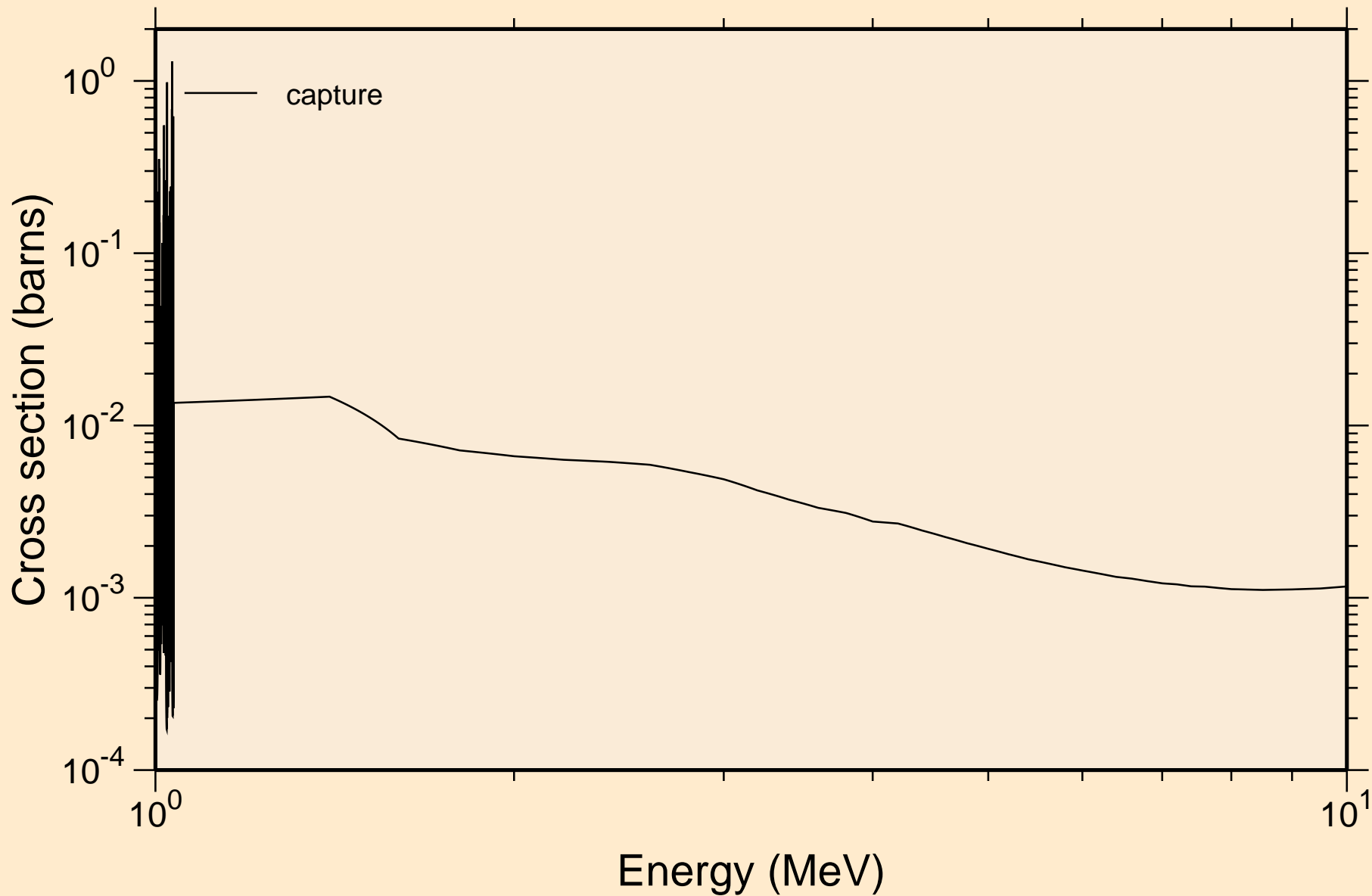


FE054 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

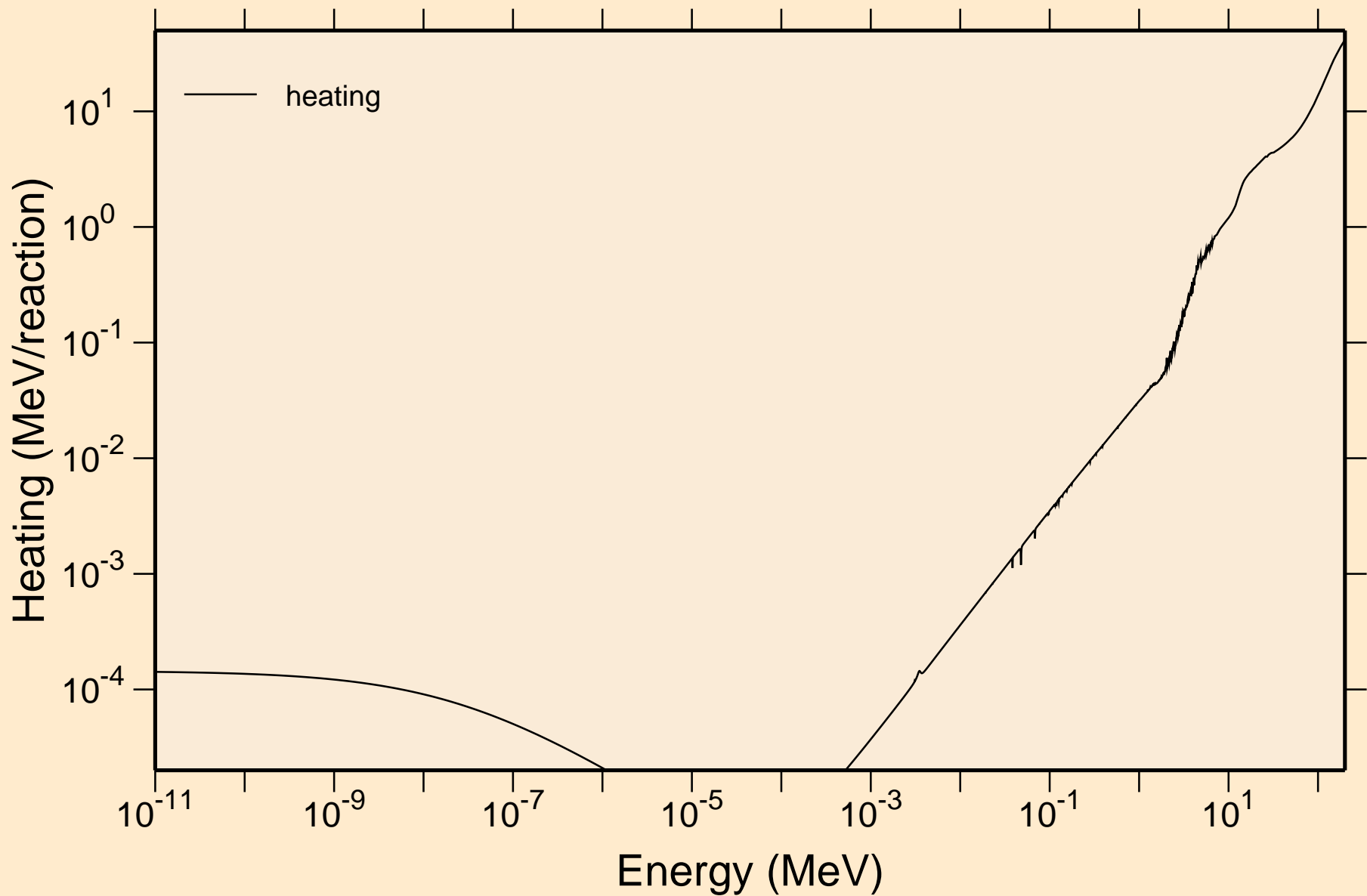




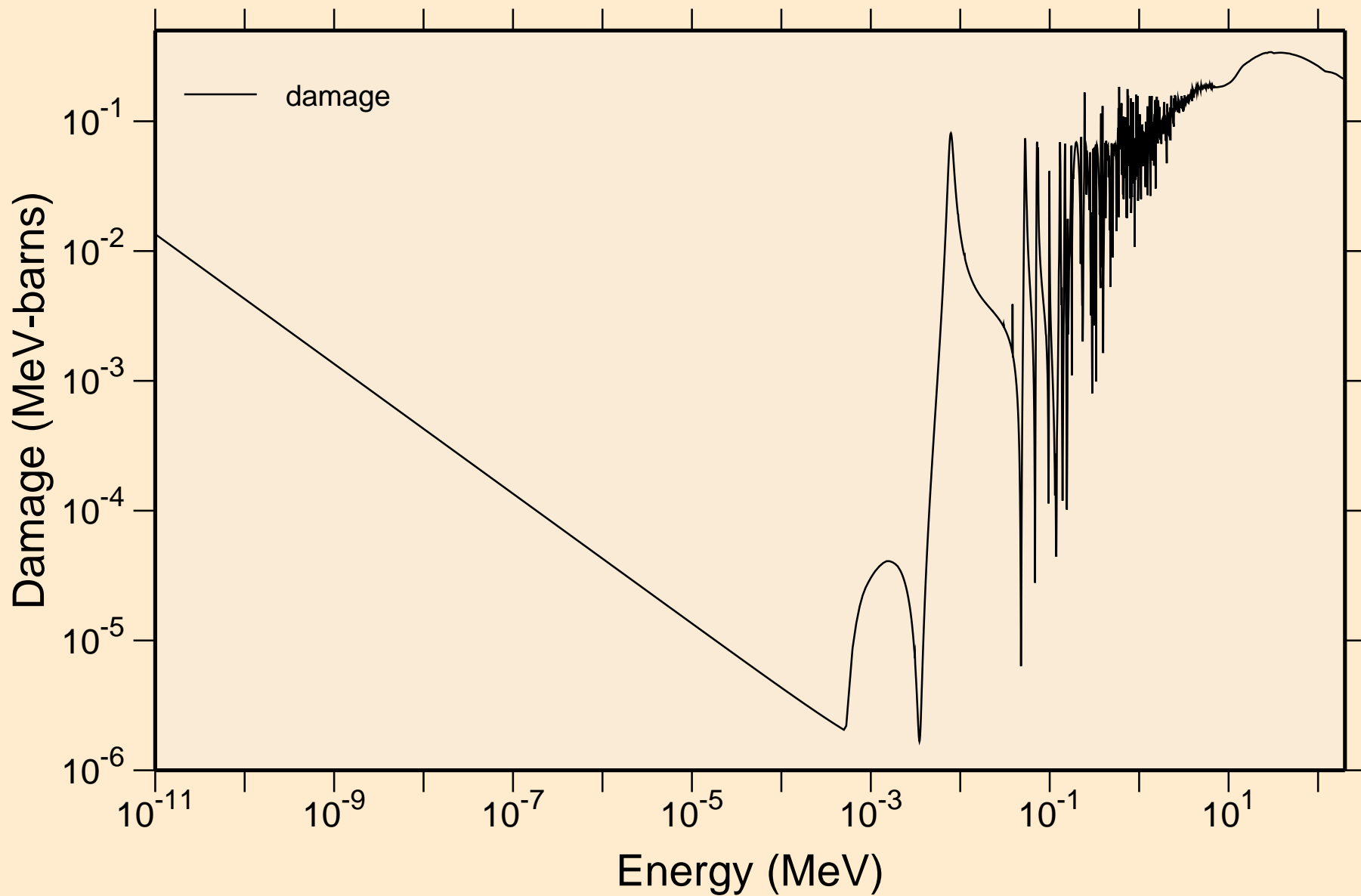
FE054 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



FE054 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Heating

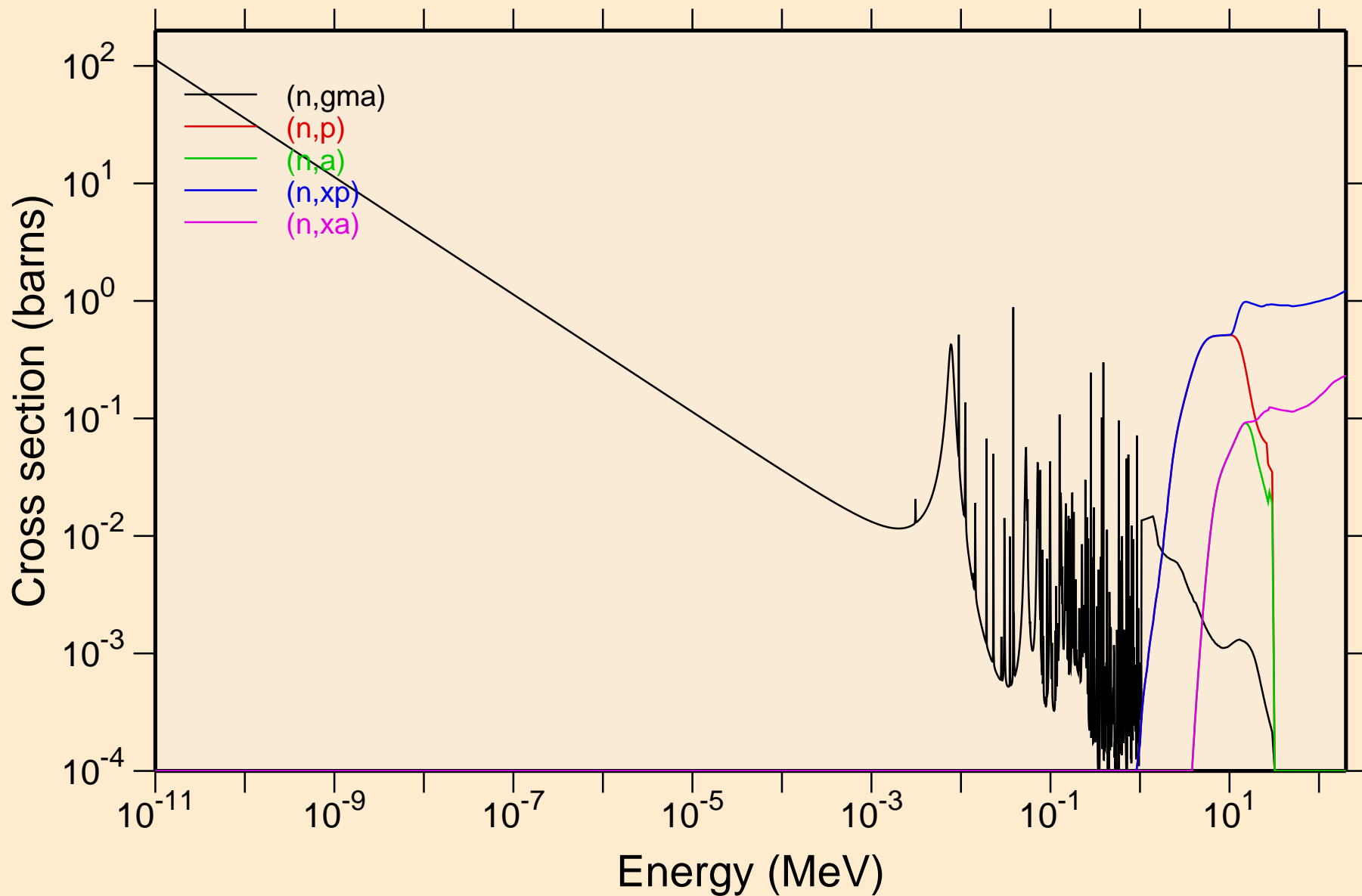


FE054 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Damage



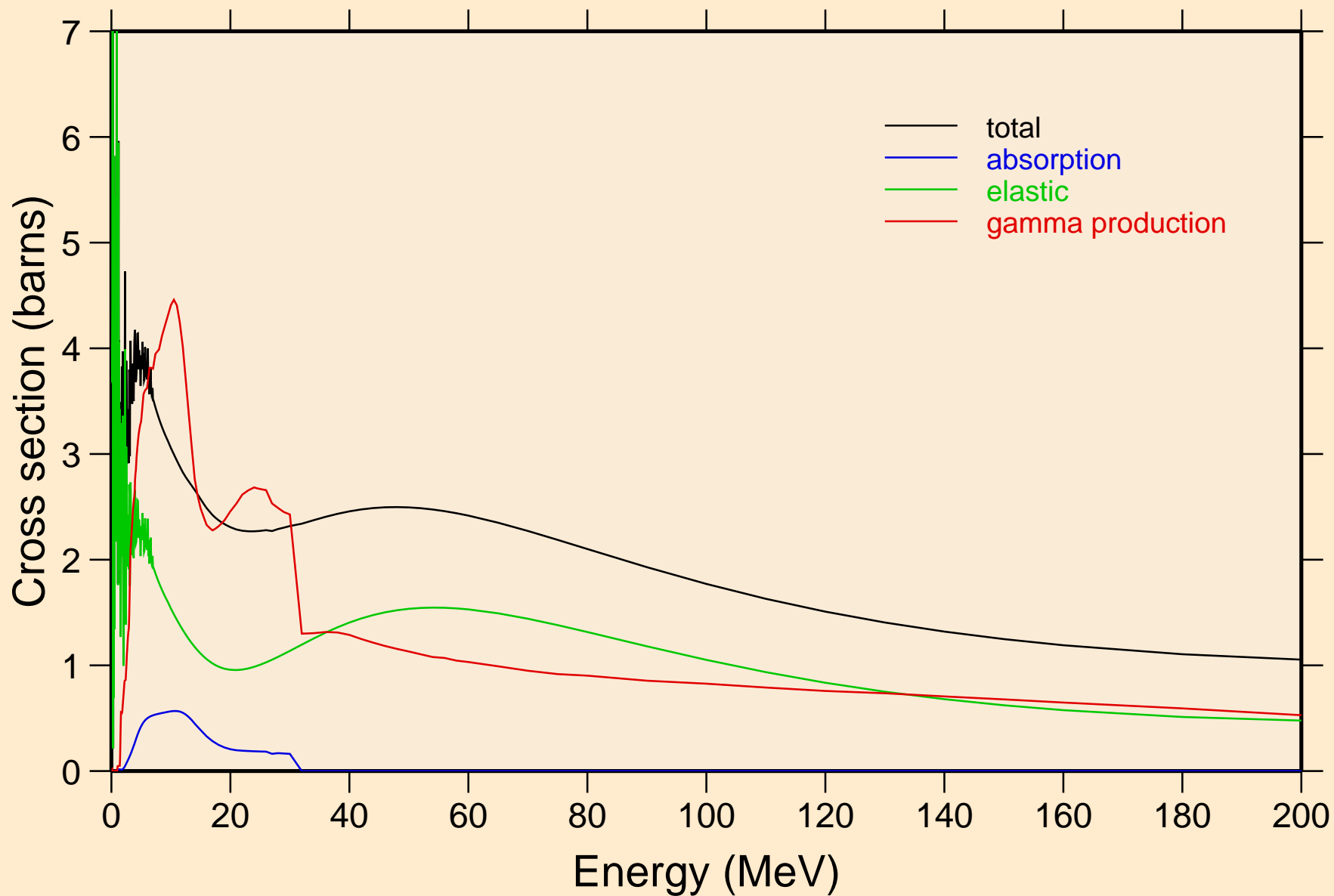
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## Non-threshold reactions

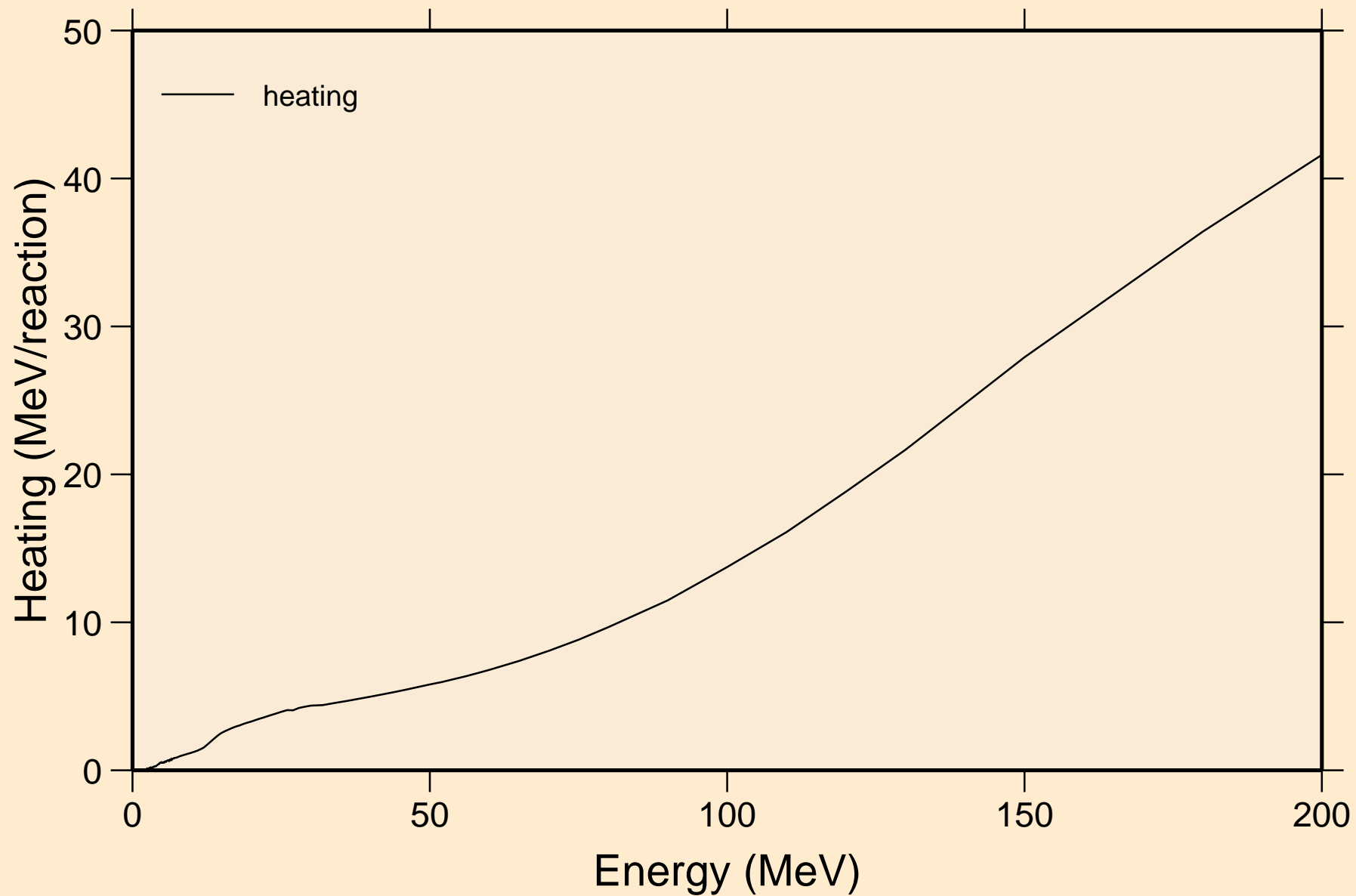


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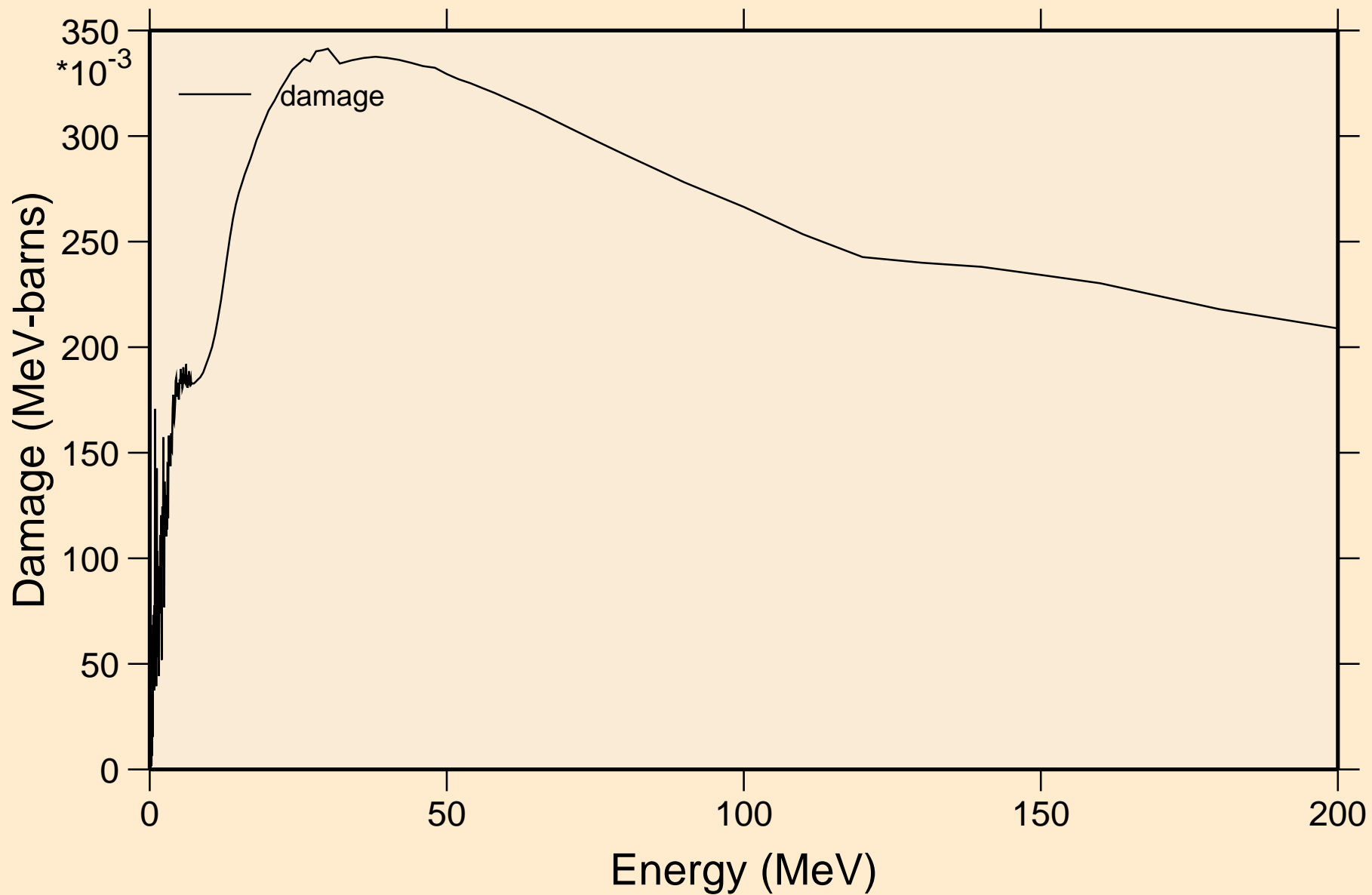
## Principal cross sections



FE054 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Heating

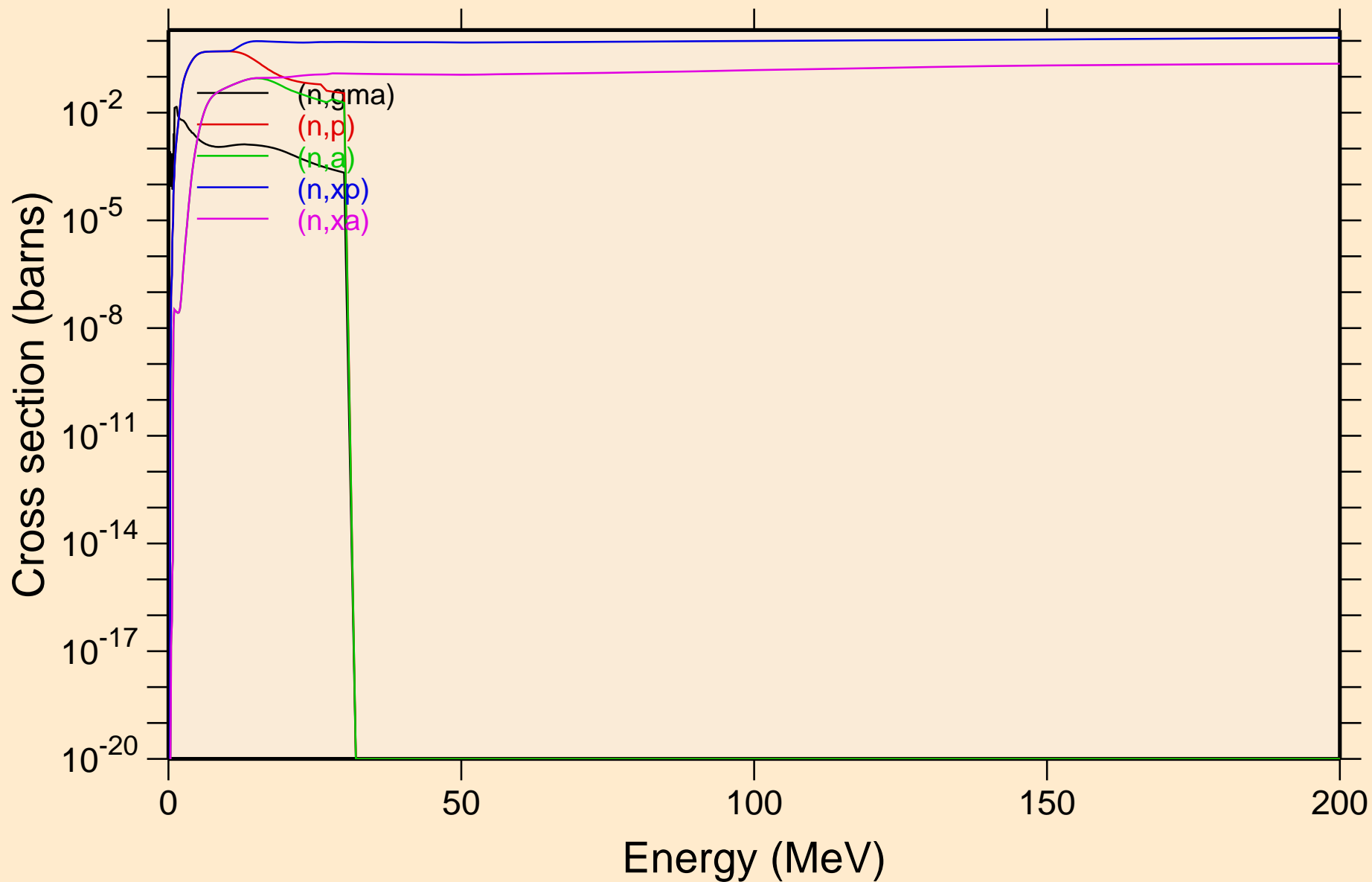


FE054 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Damage



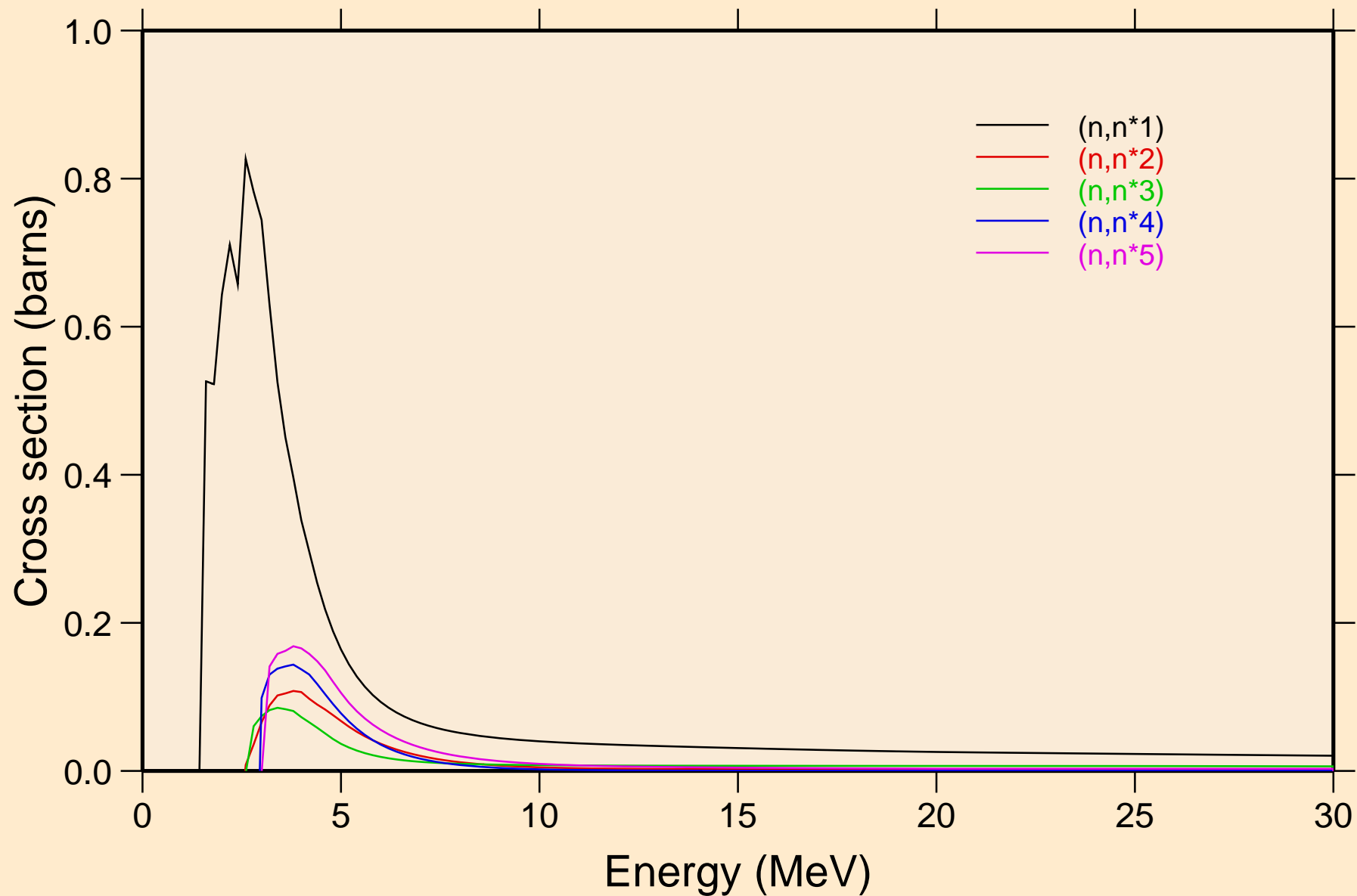
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## Non-threshold reactions

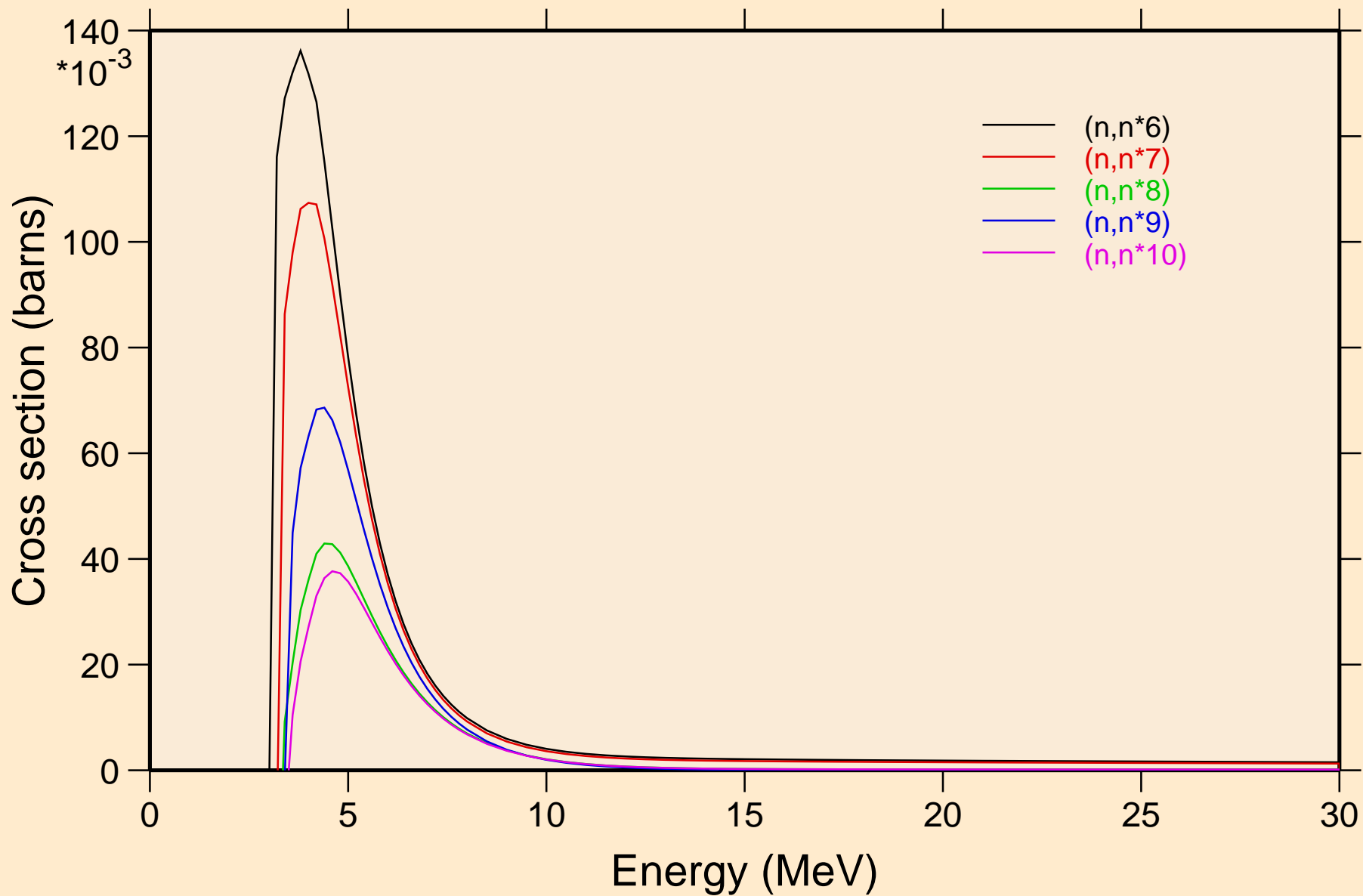




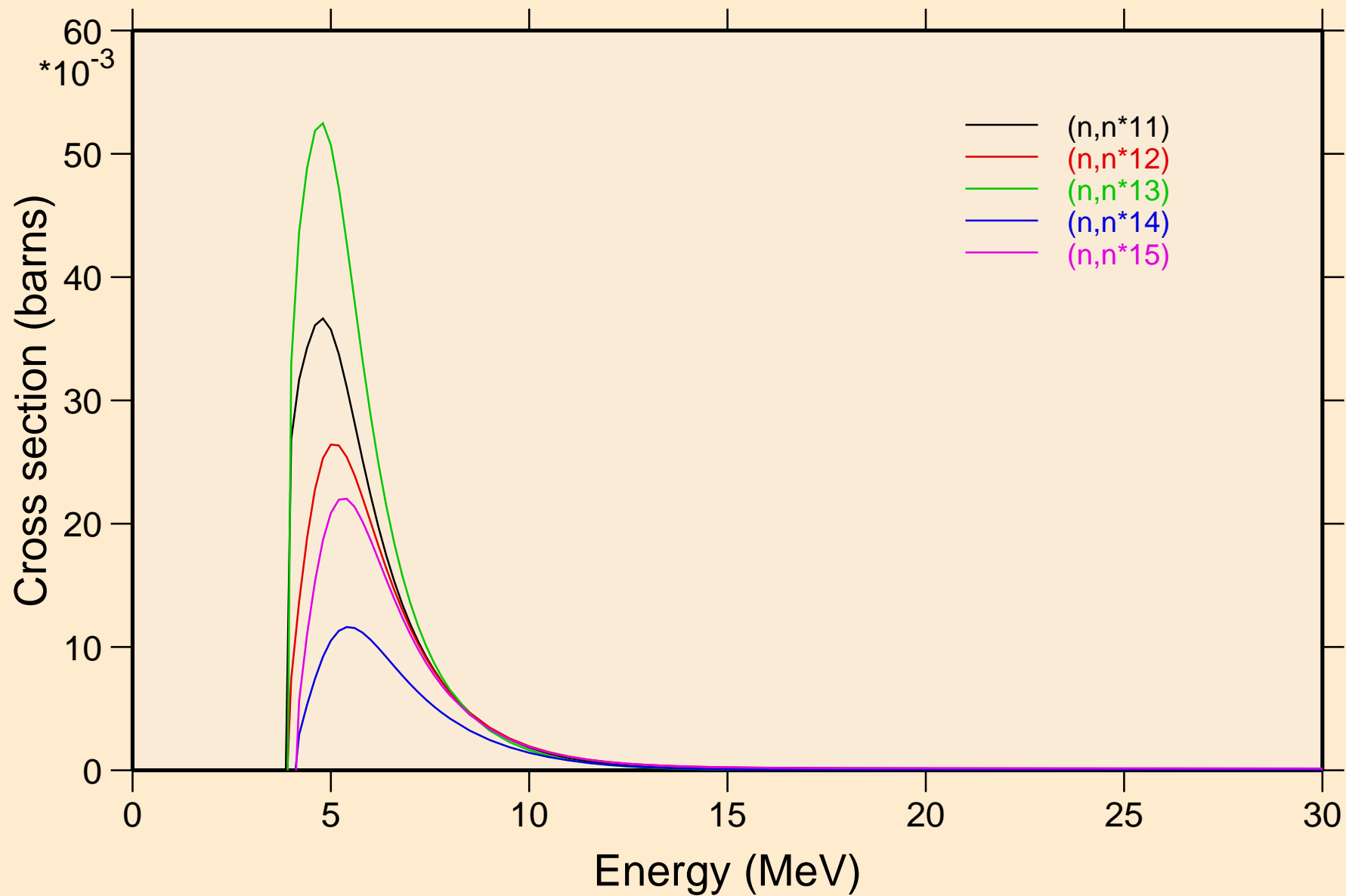
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Inelastic levels



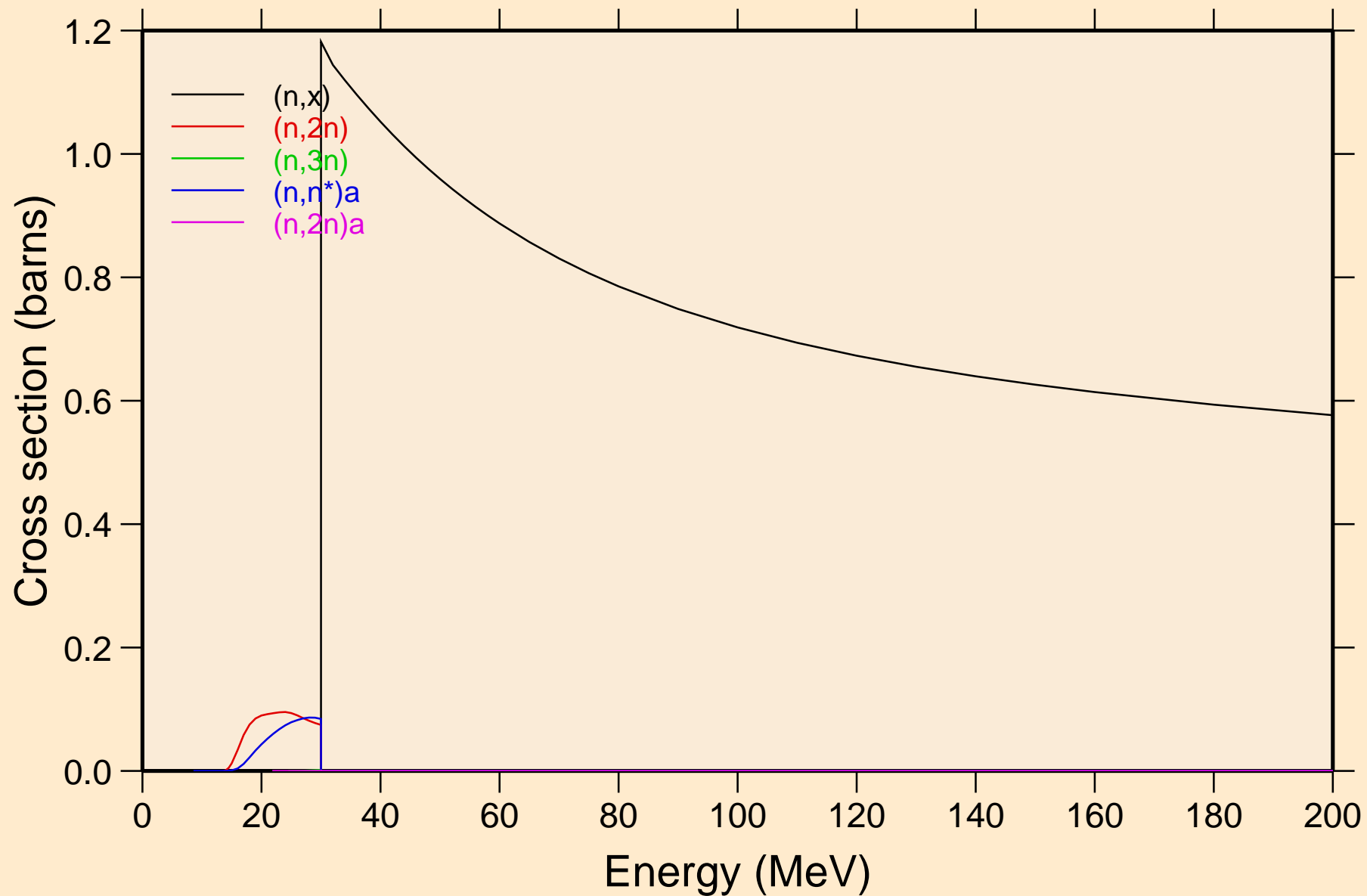
FE054 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



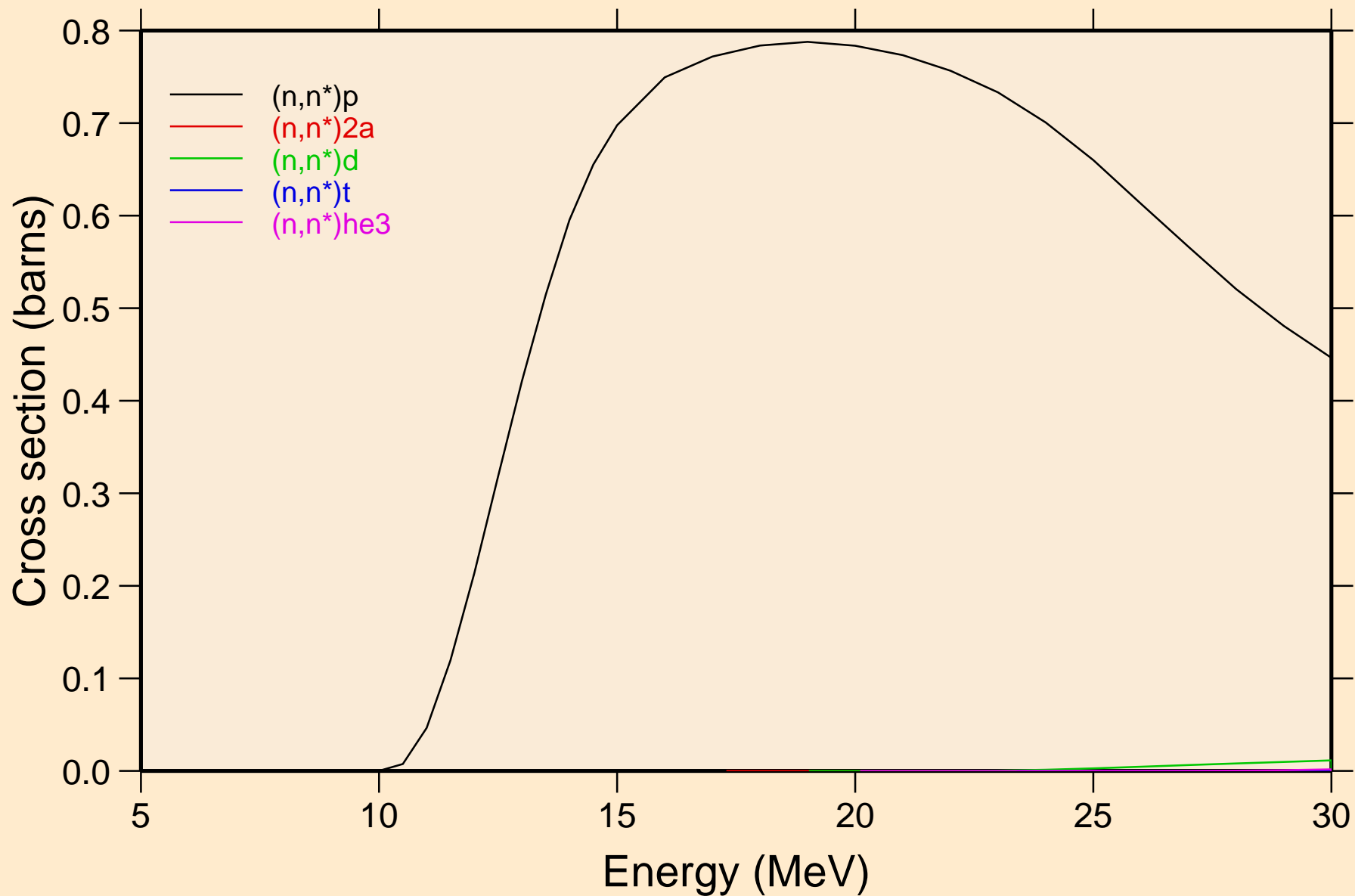
FE054 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



FE054 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

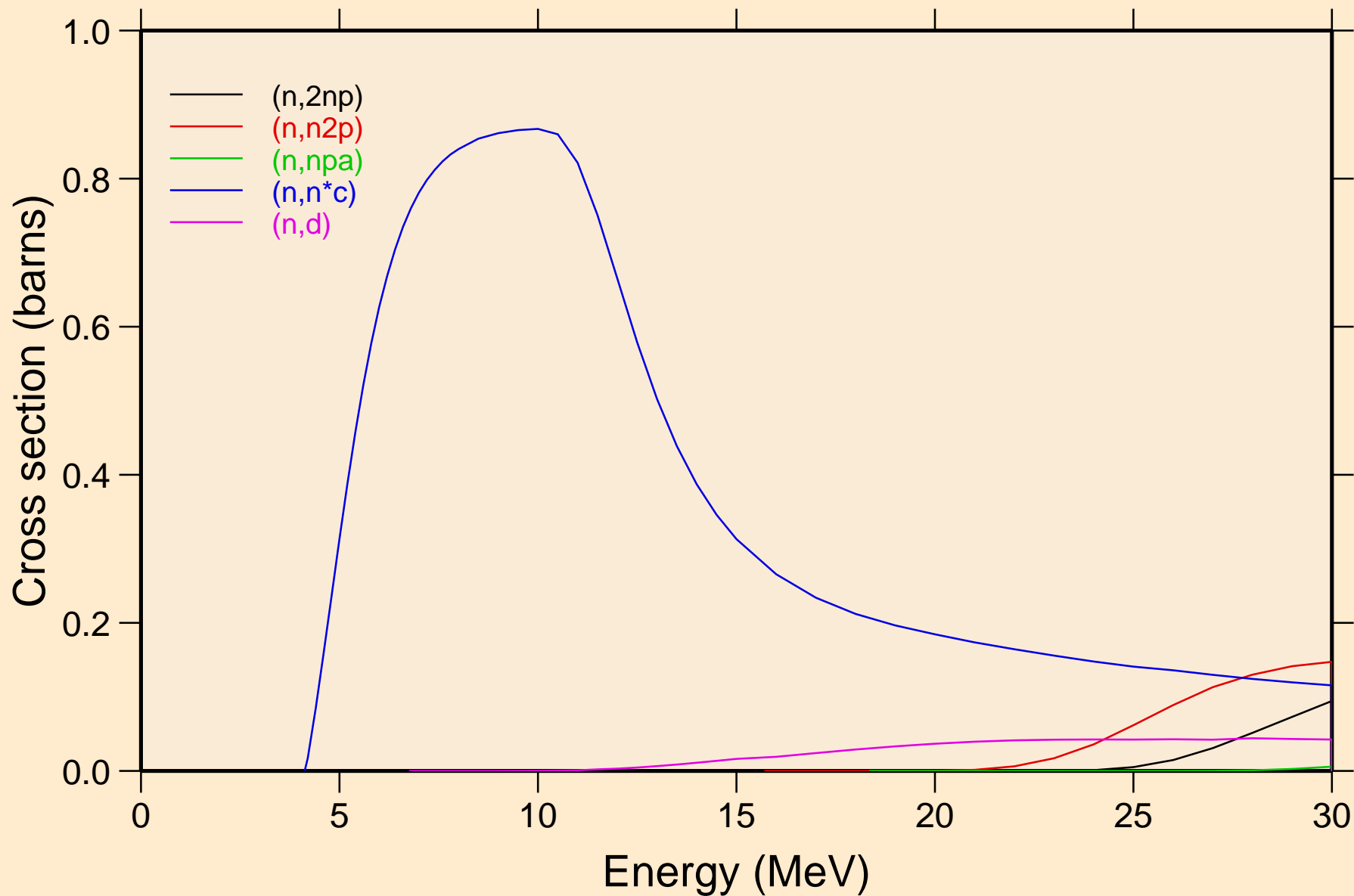


FE054 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

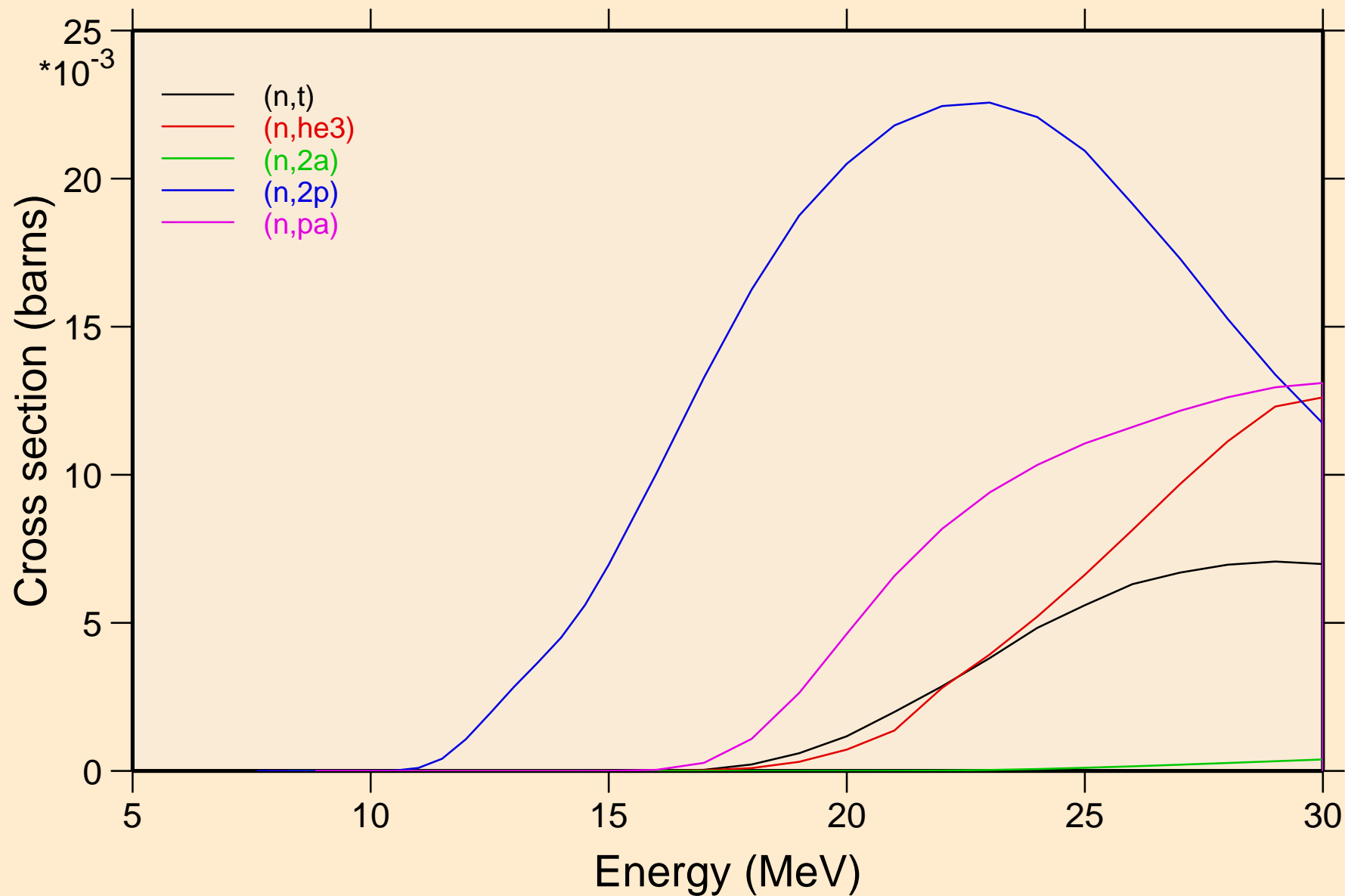


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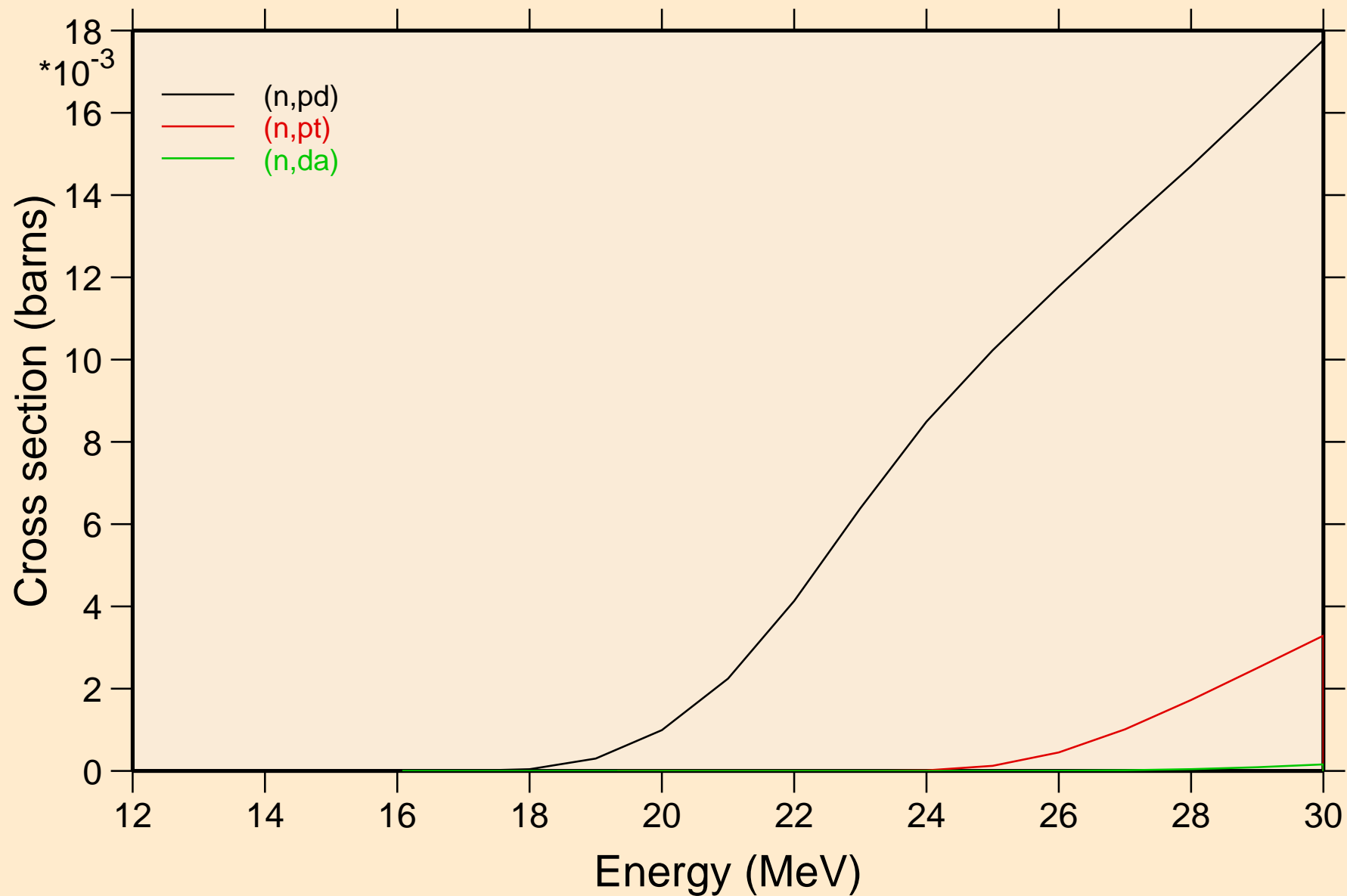
## Threshold reactions



FE054 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



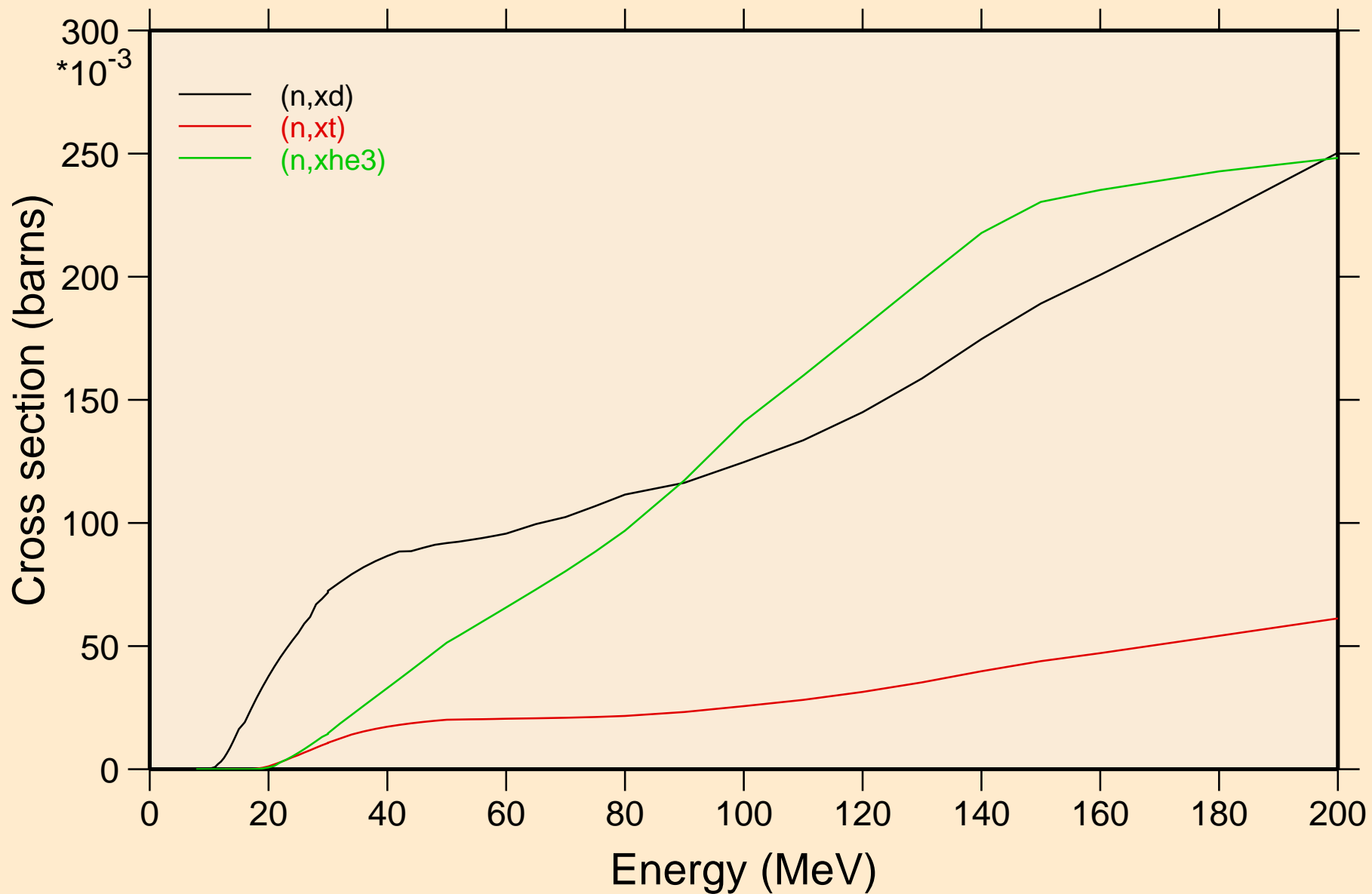
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Threshold reactions



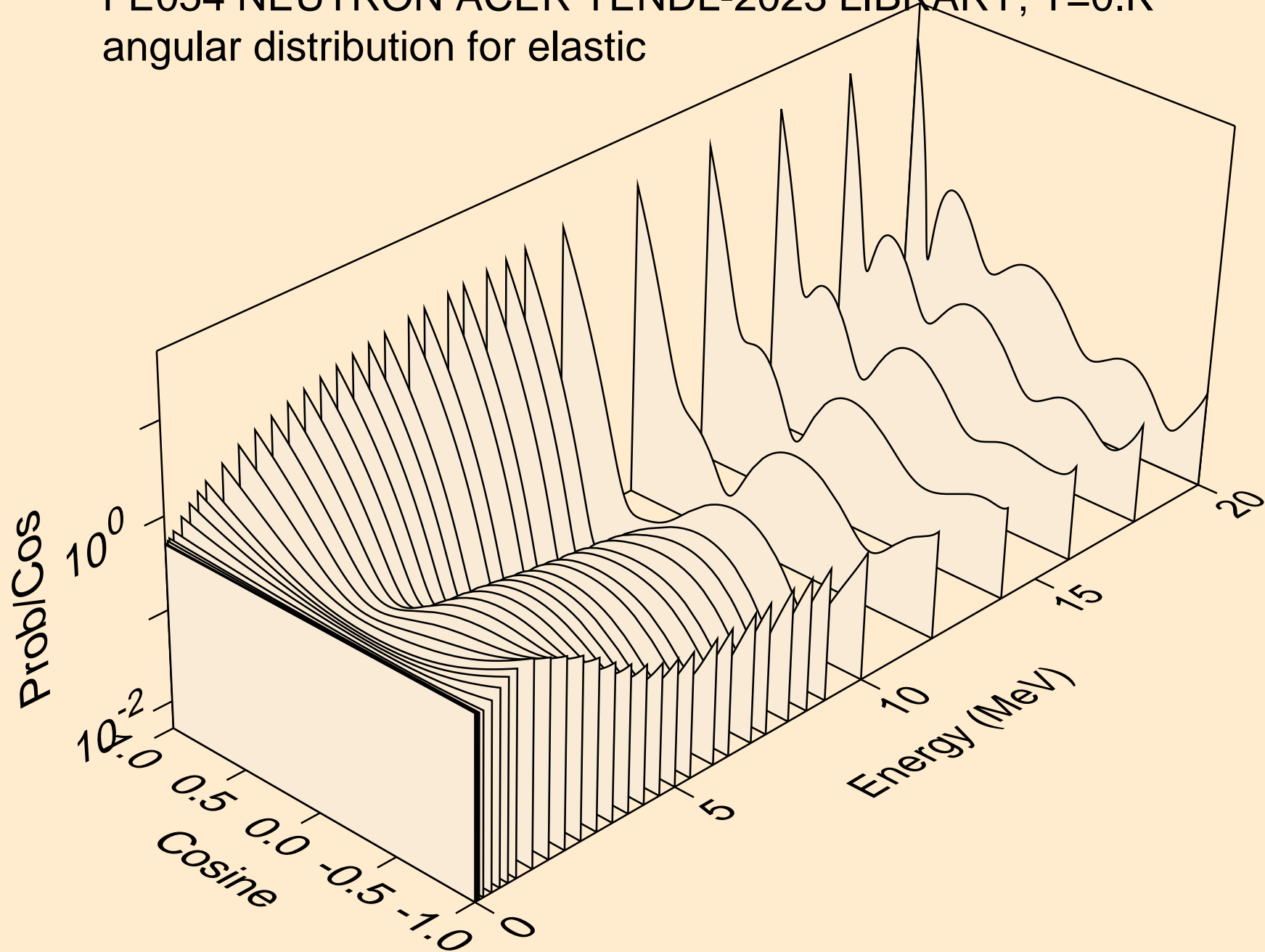


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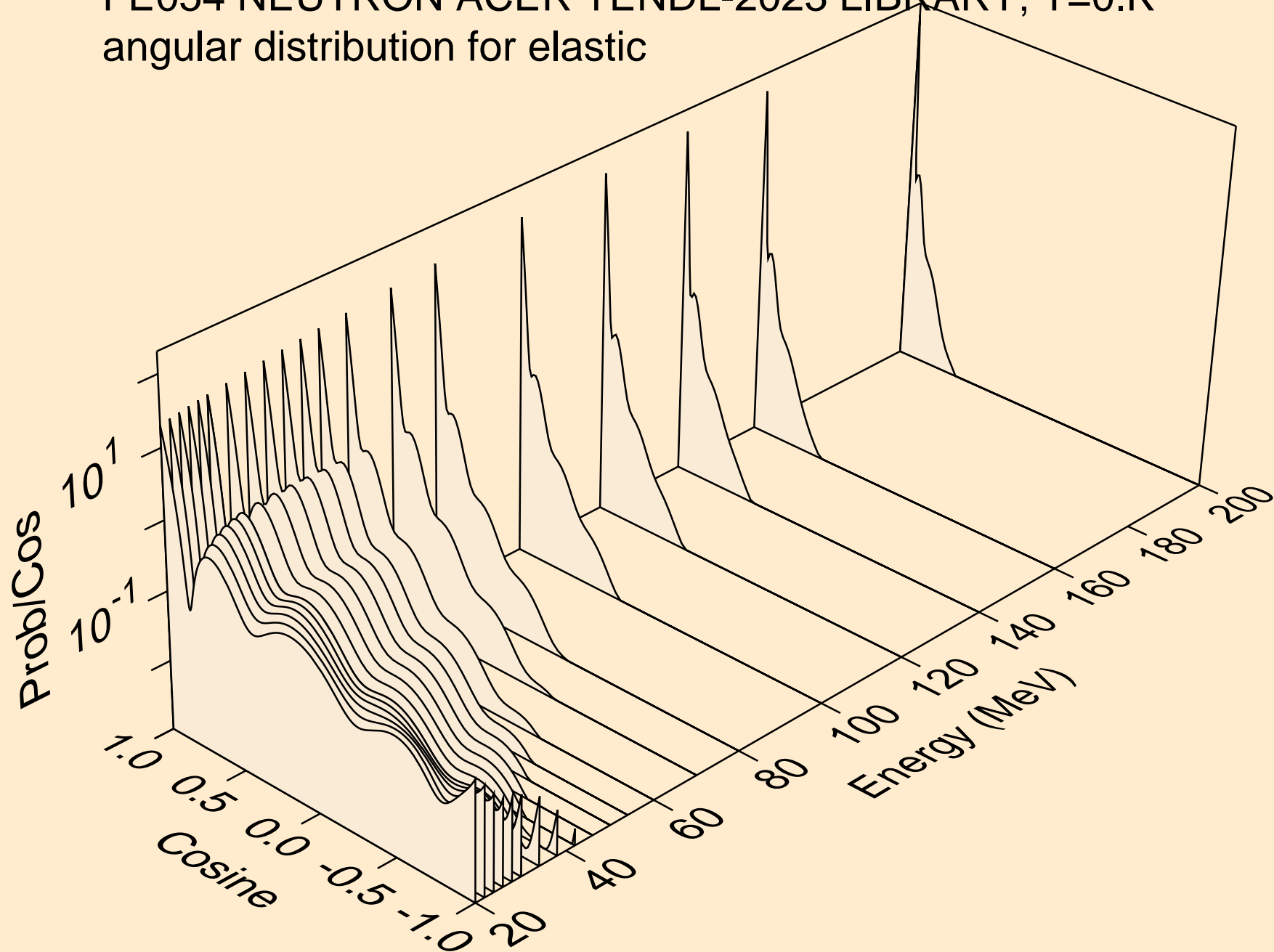
## Threshold reactions



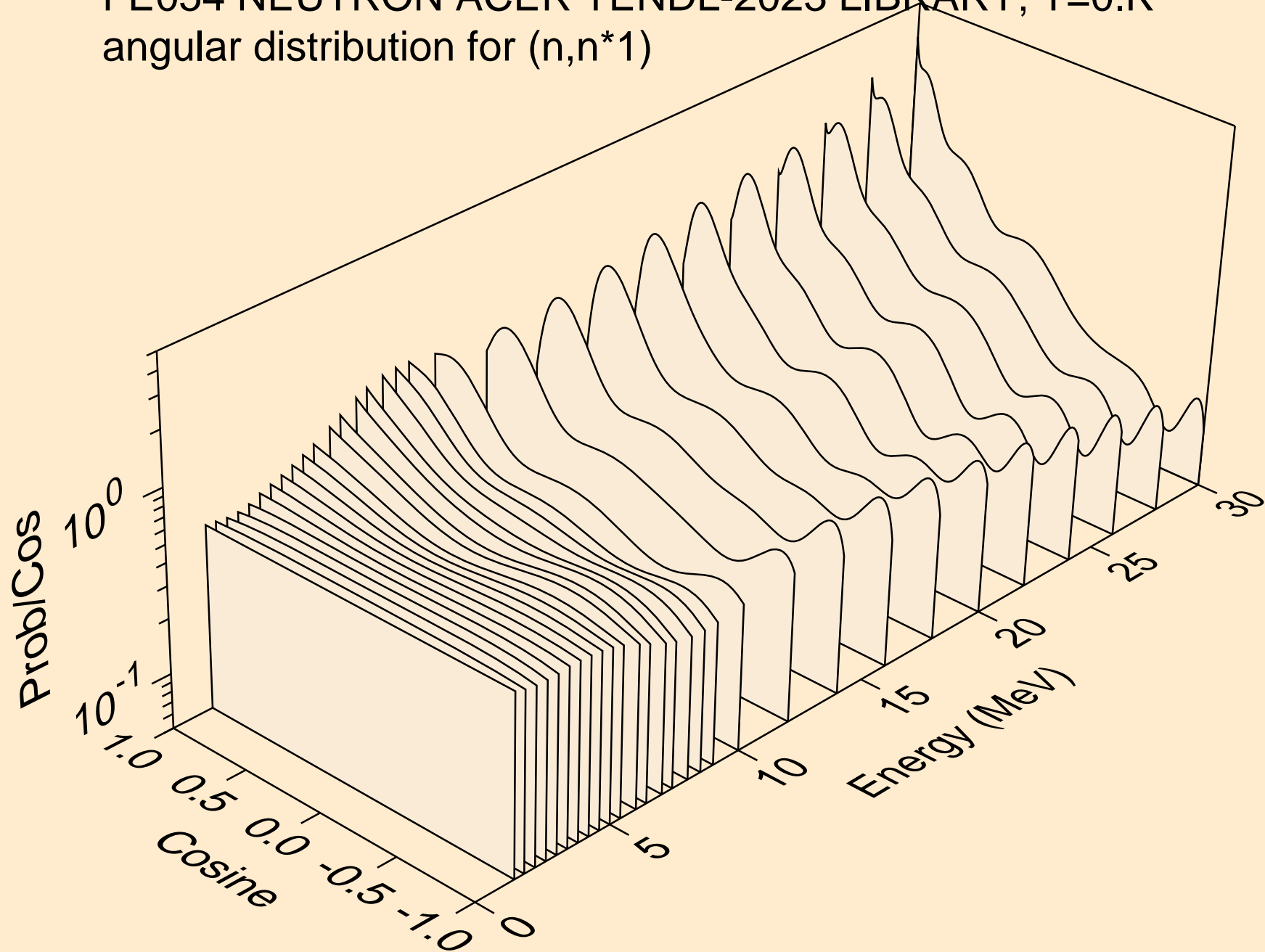
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angular distribution for elastic



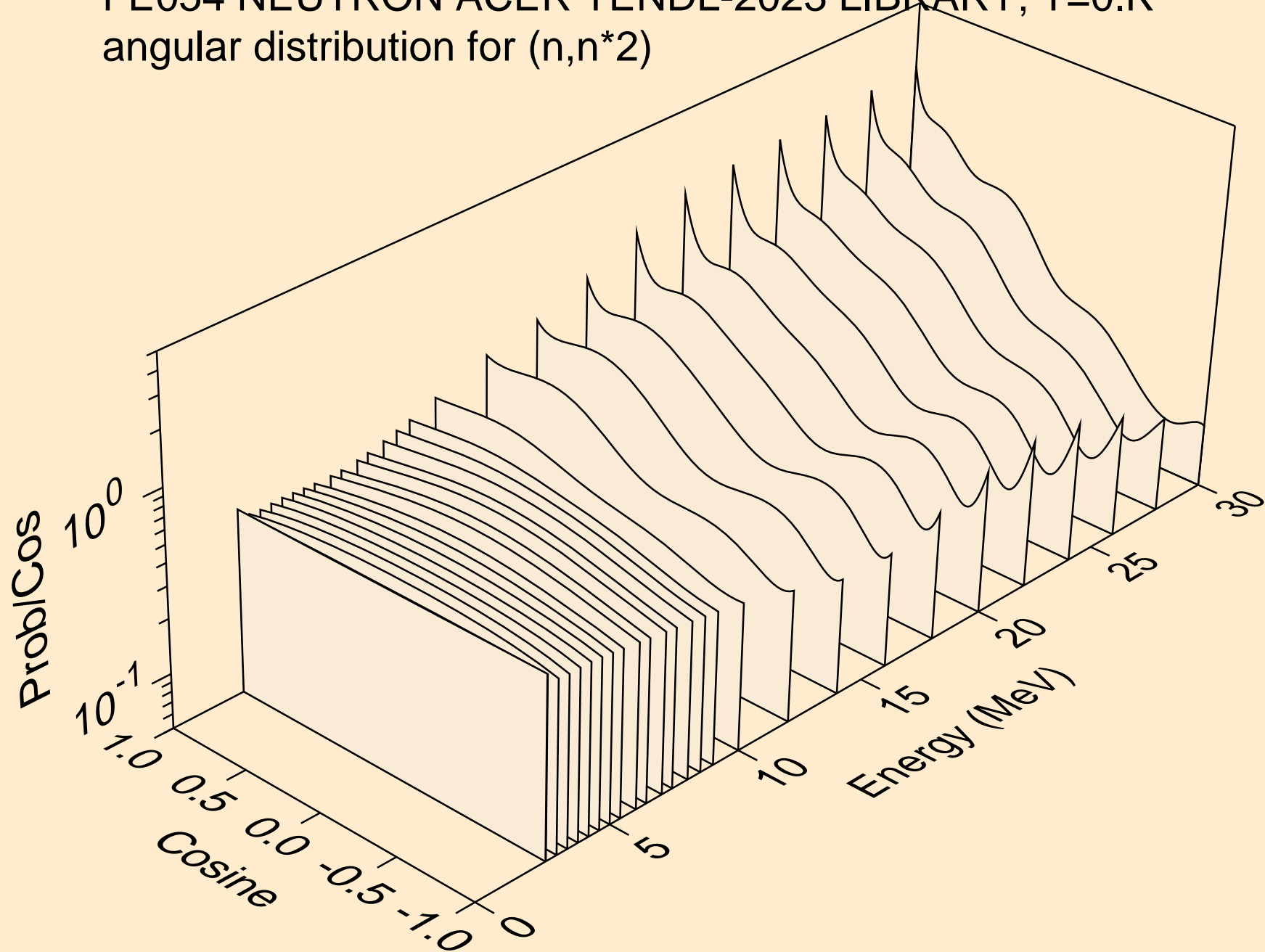
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angular distribution for elastic



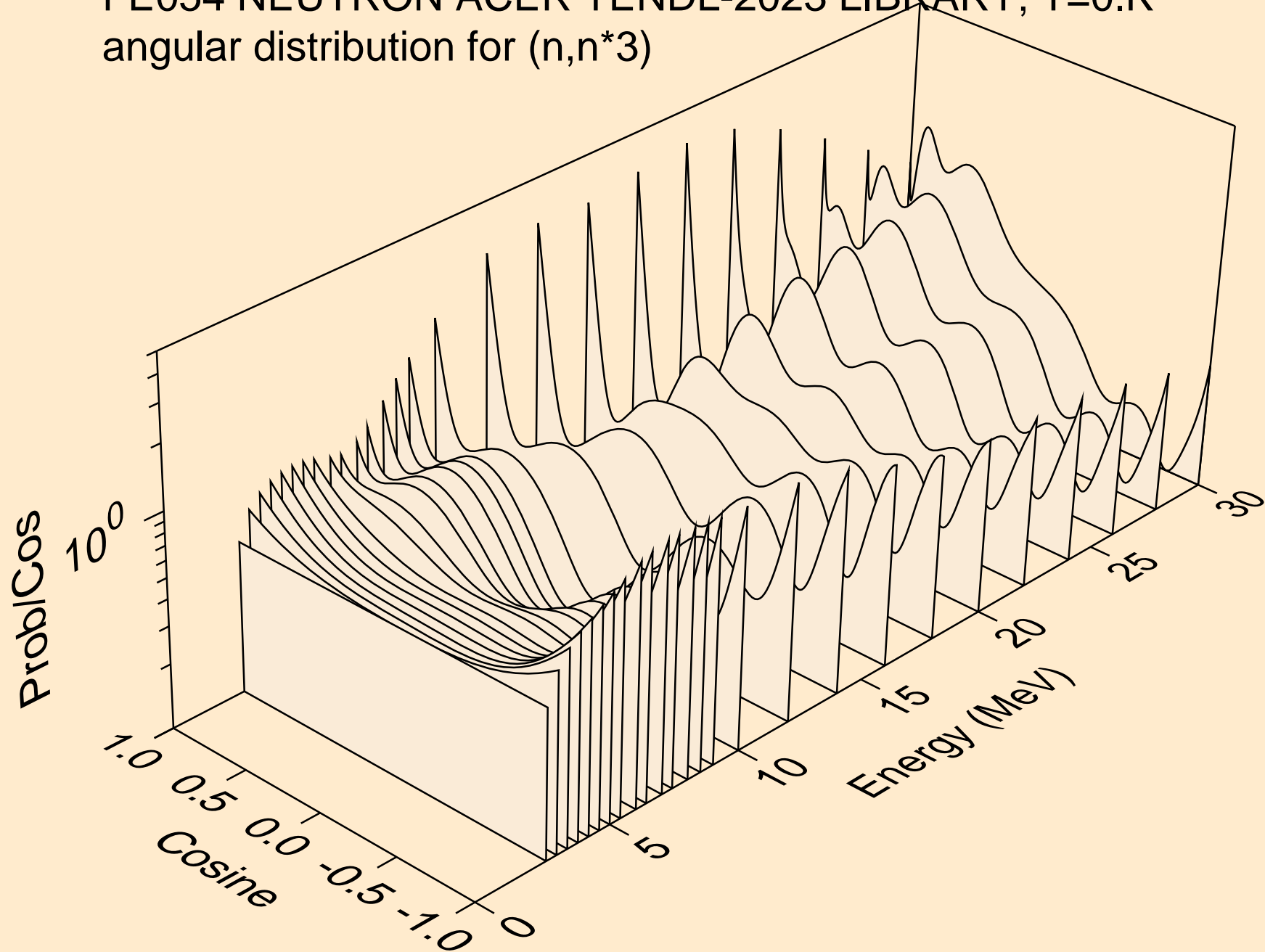
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angular distribution for (n,n\*1)



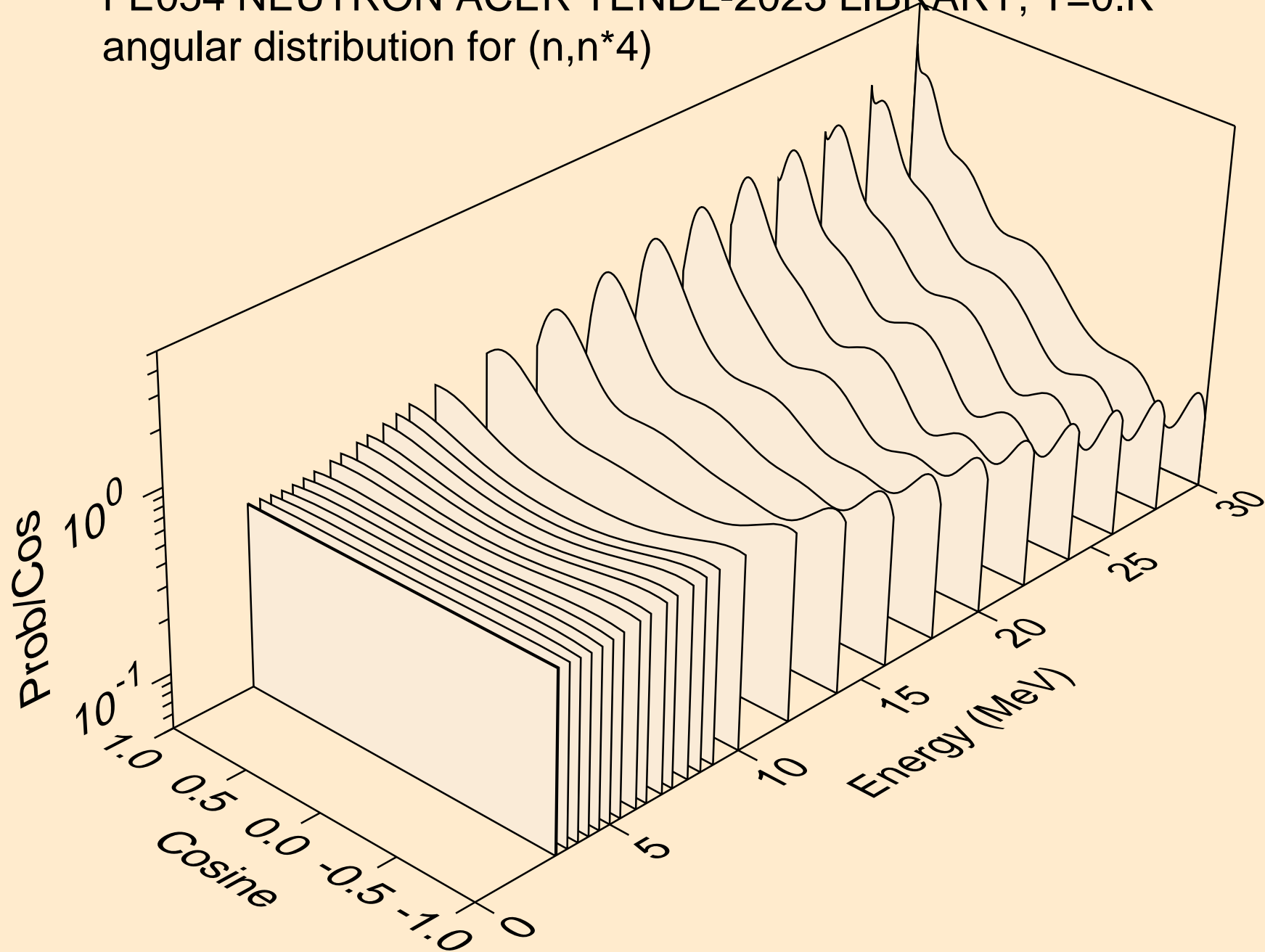
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angular distribution for (n,n\*2)



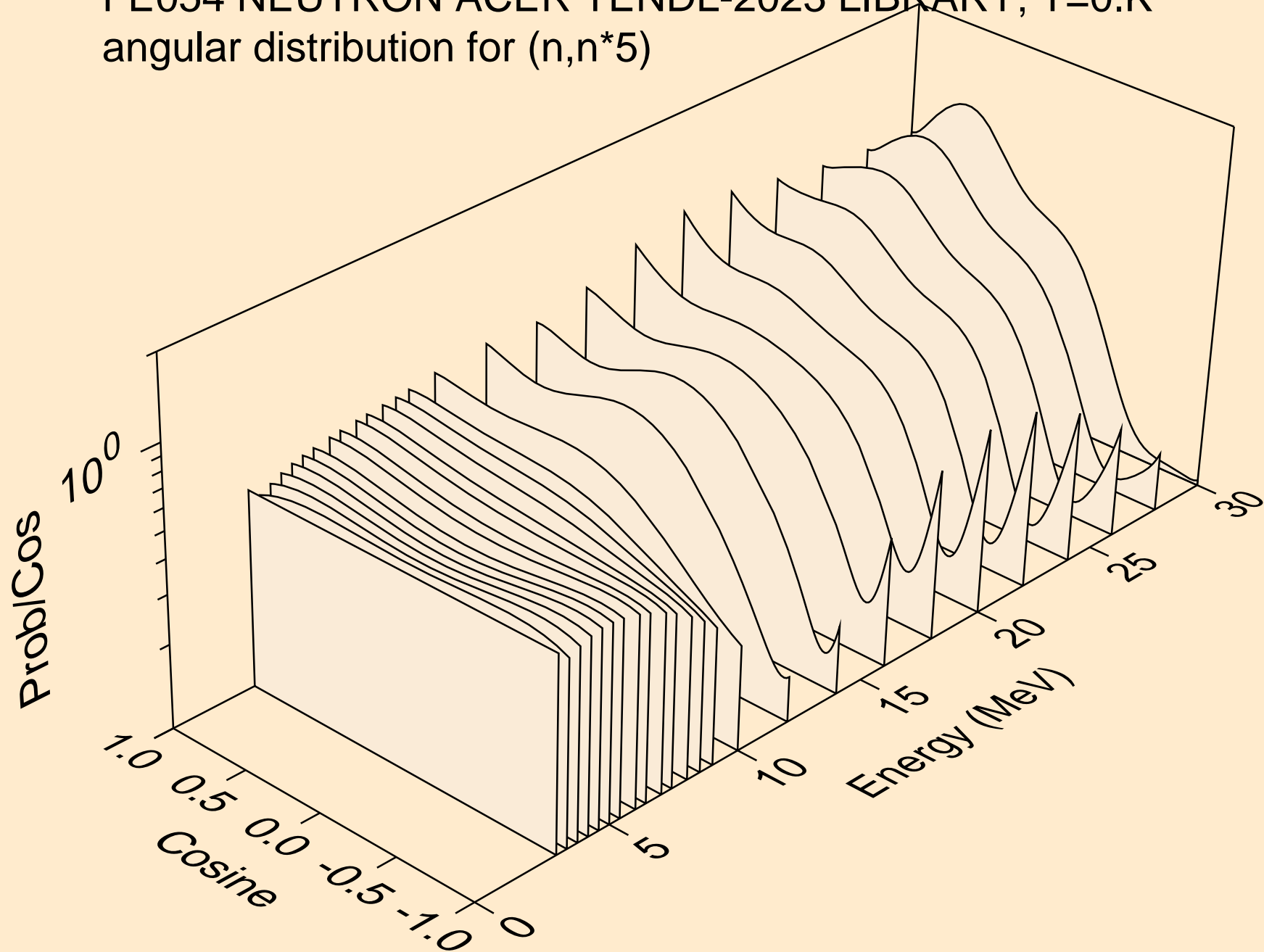
FE054 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*3)



FE054 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*4)

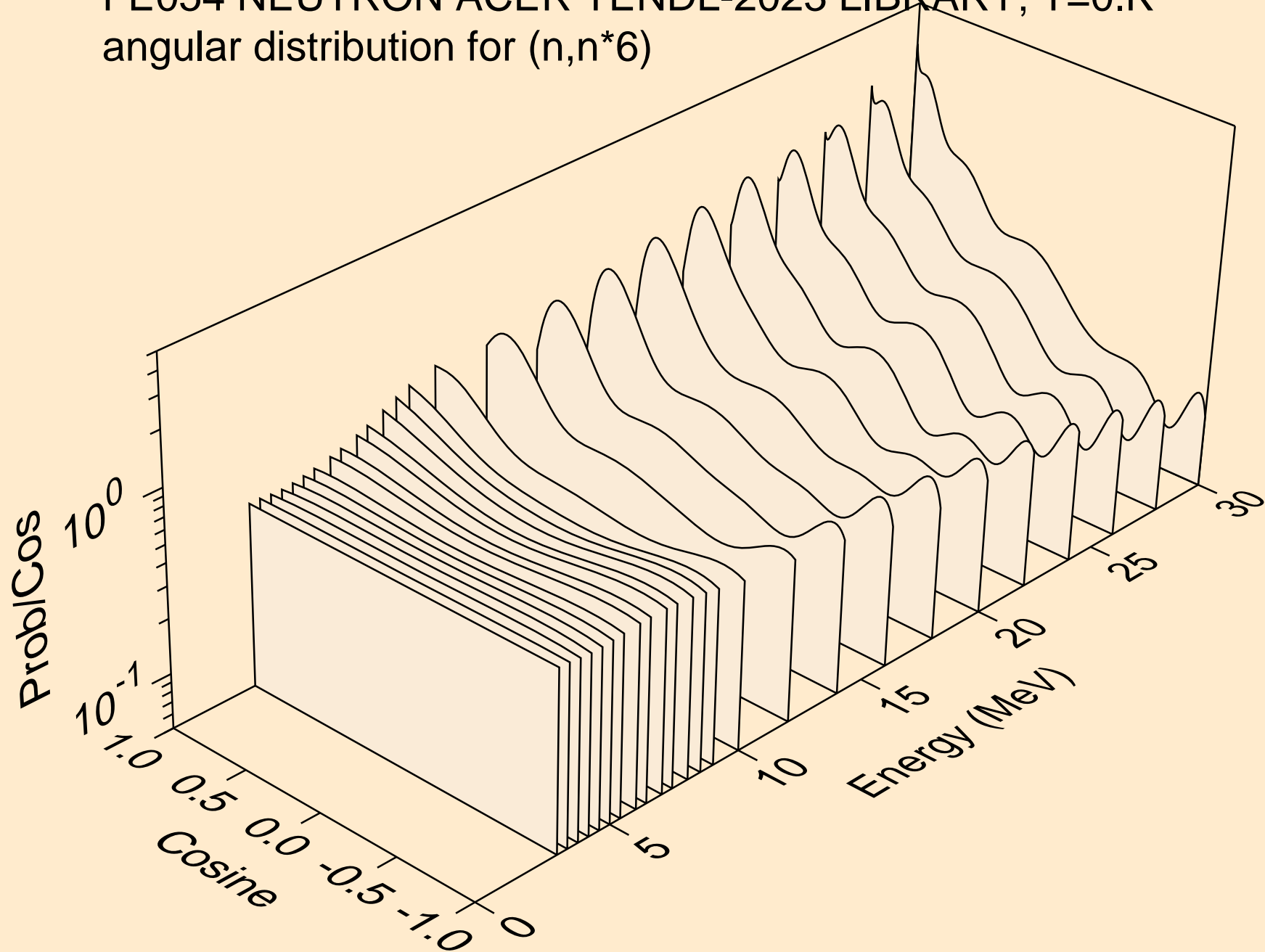


FE054 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*5)

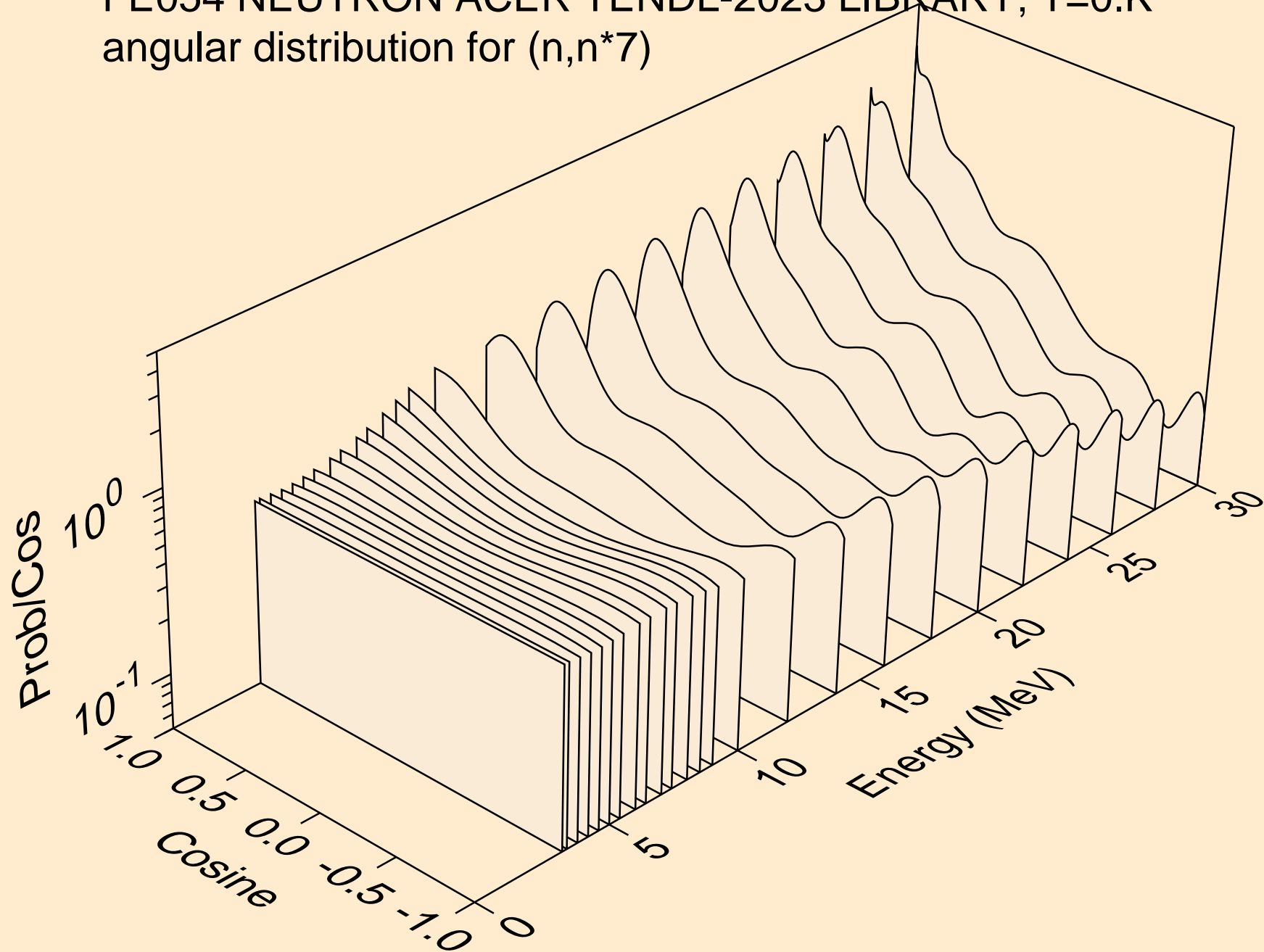




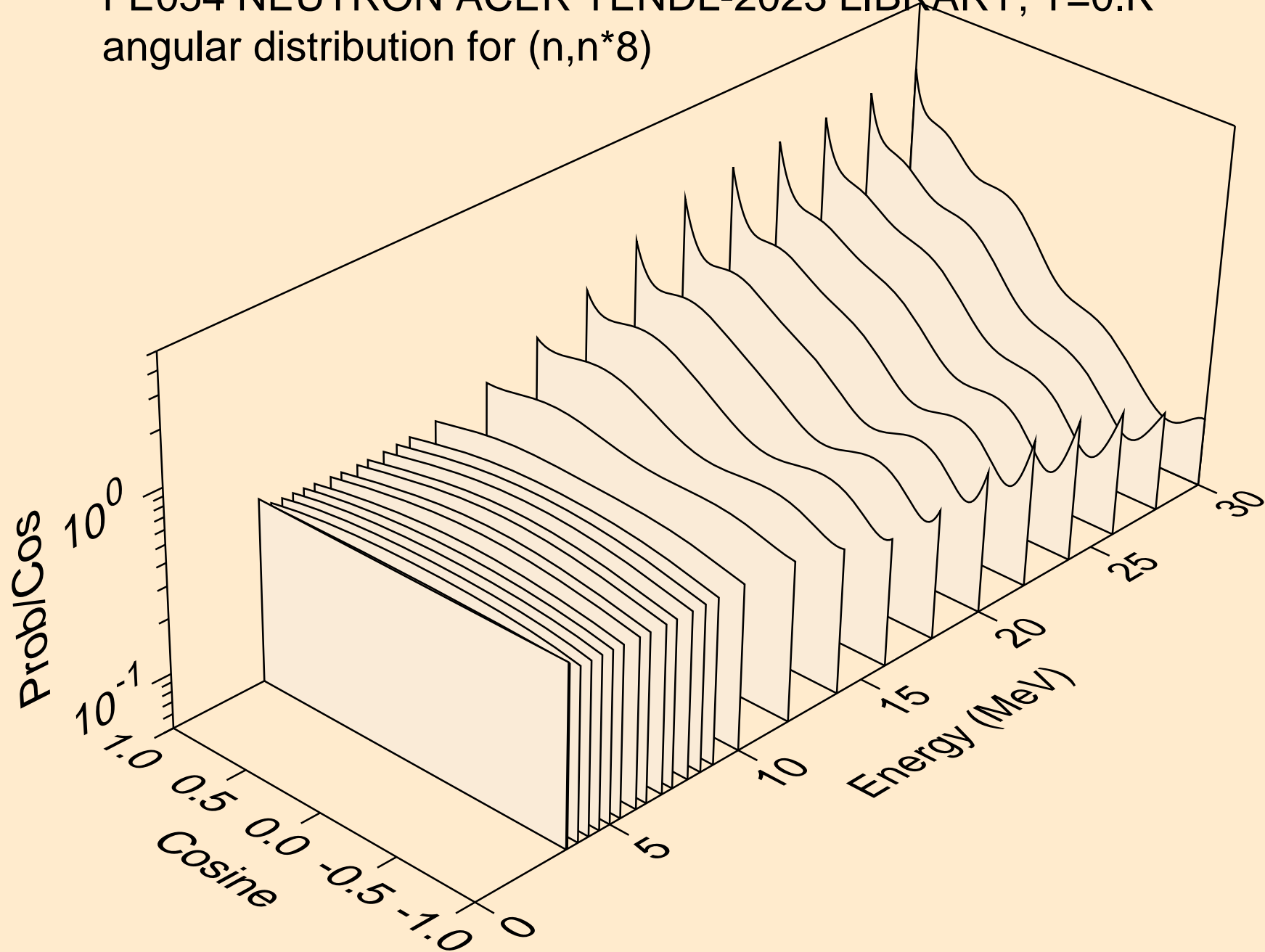
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angular distribution for (n,n\*6)



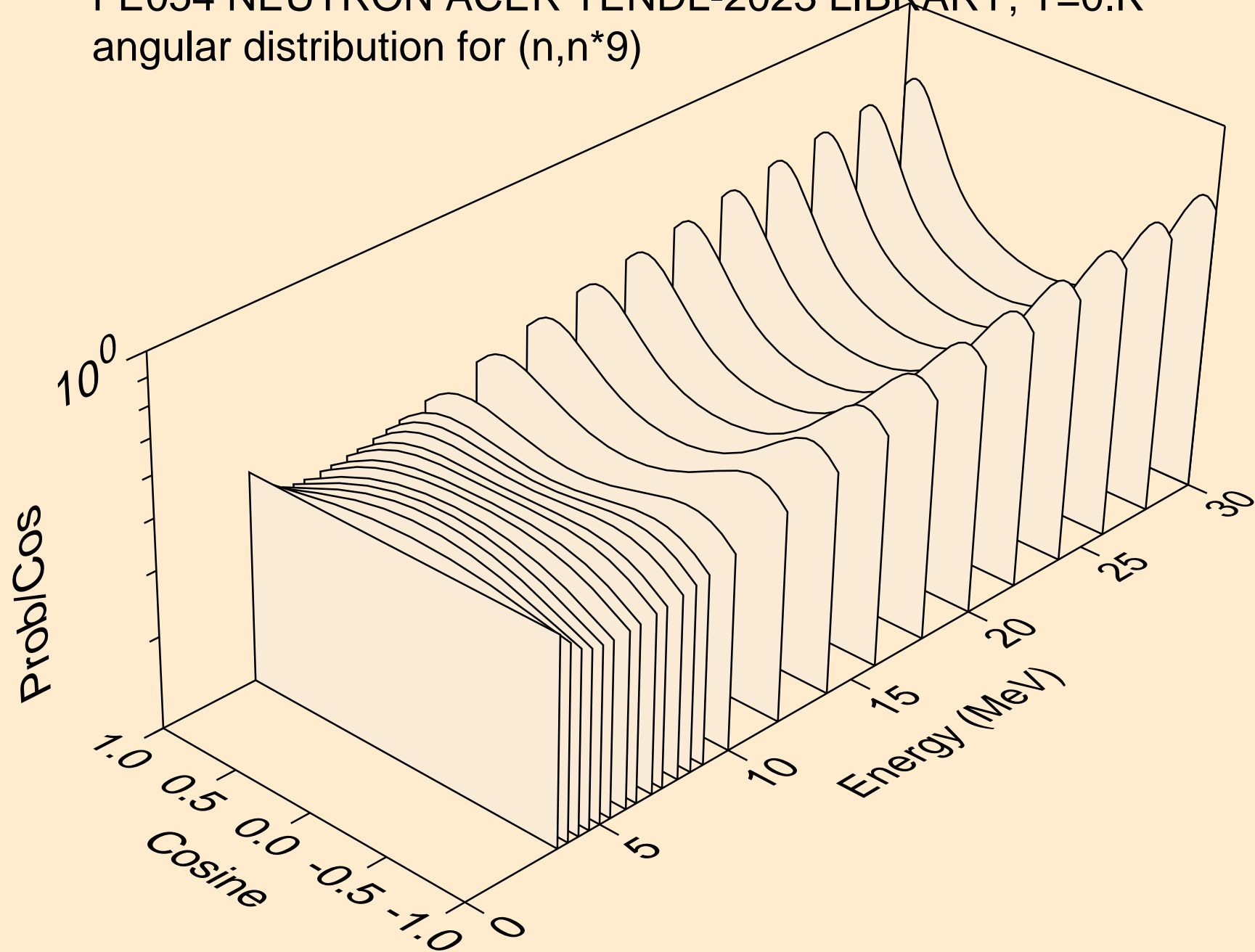
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angular distribution for (n,n\*7)



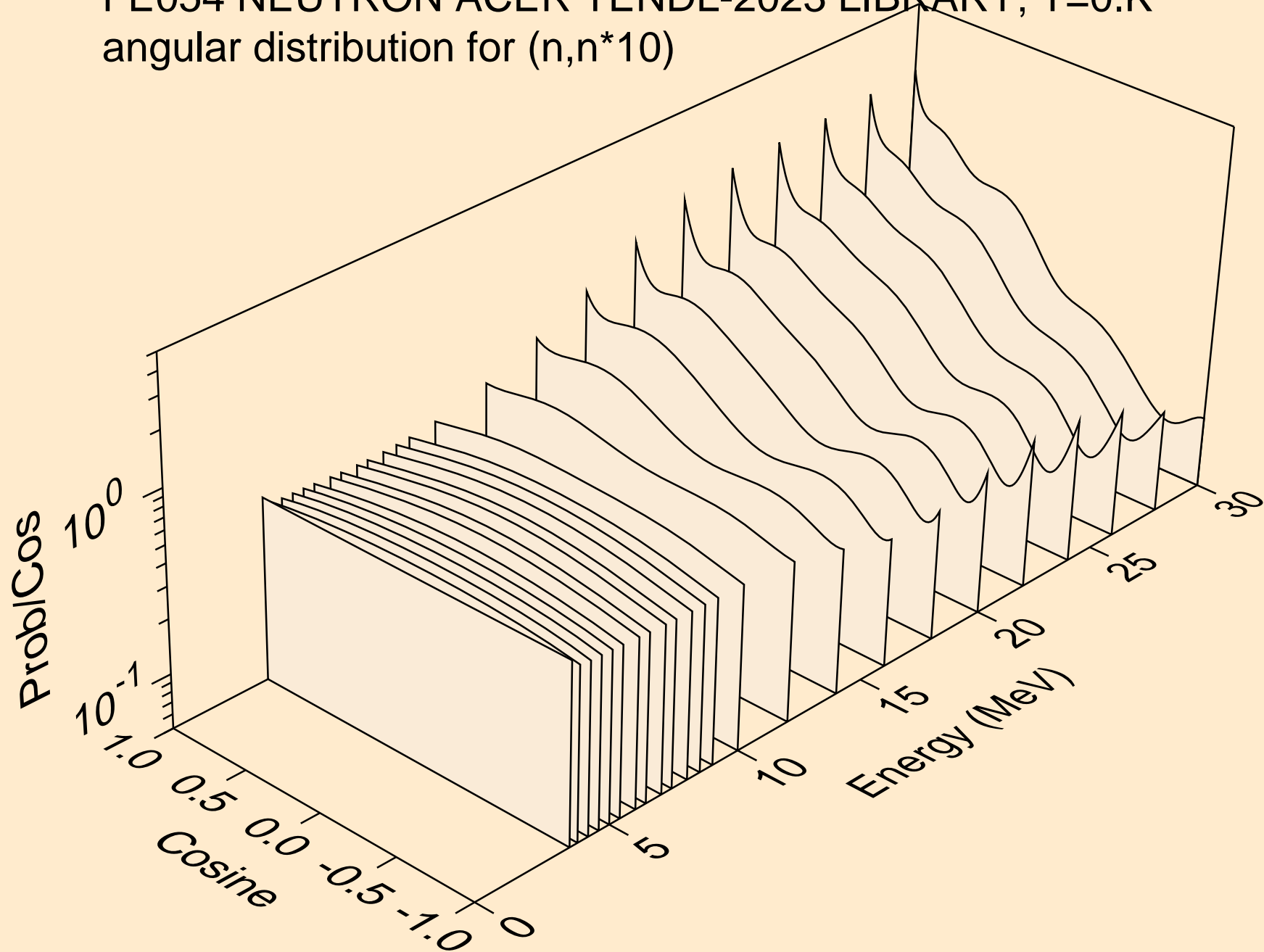
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angular distribution for (n,n\*8)



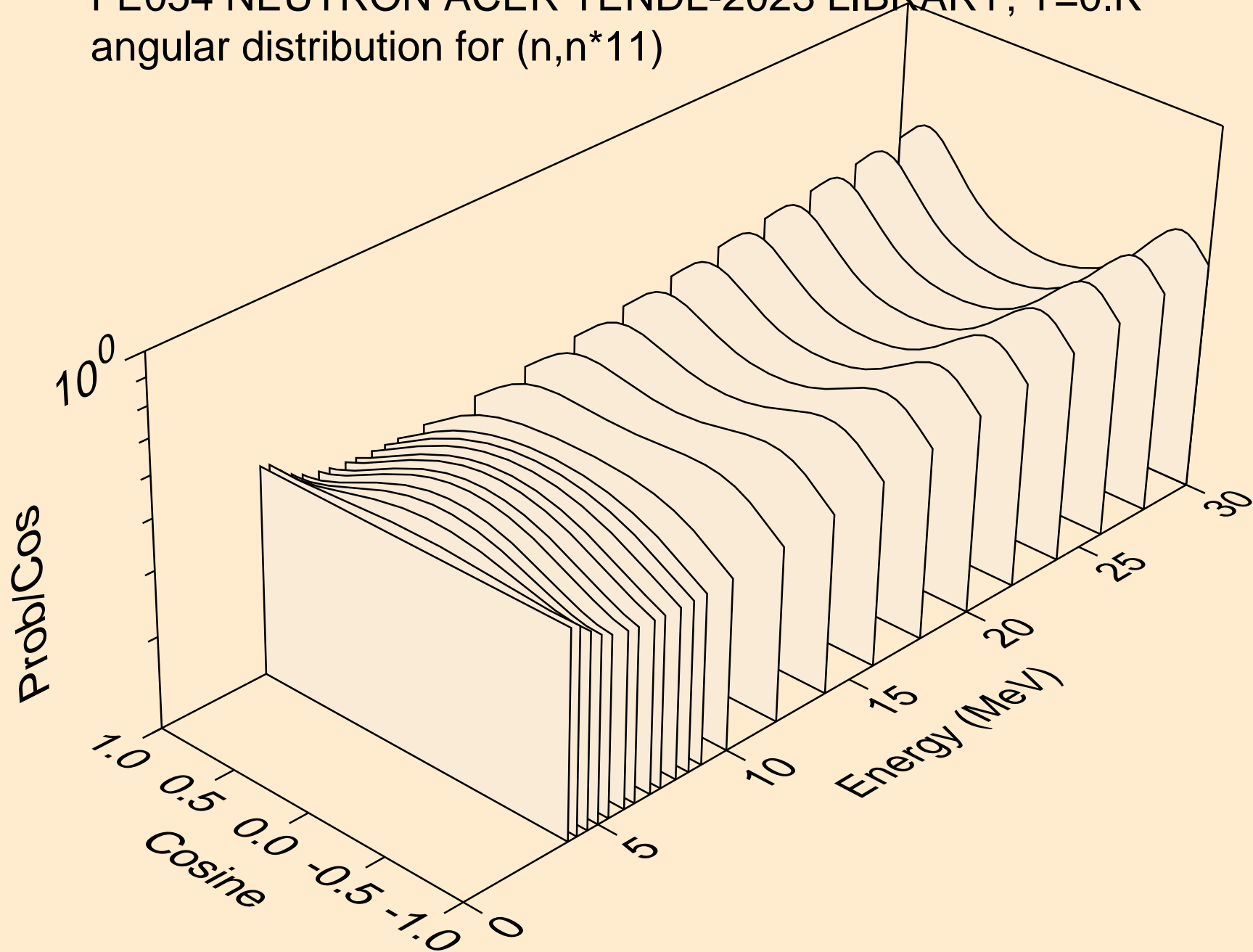
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angular distribution for (n,n\*9)



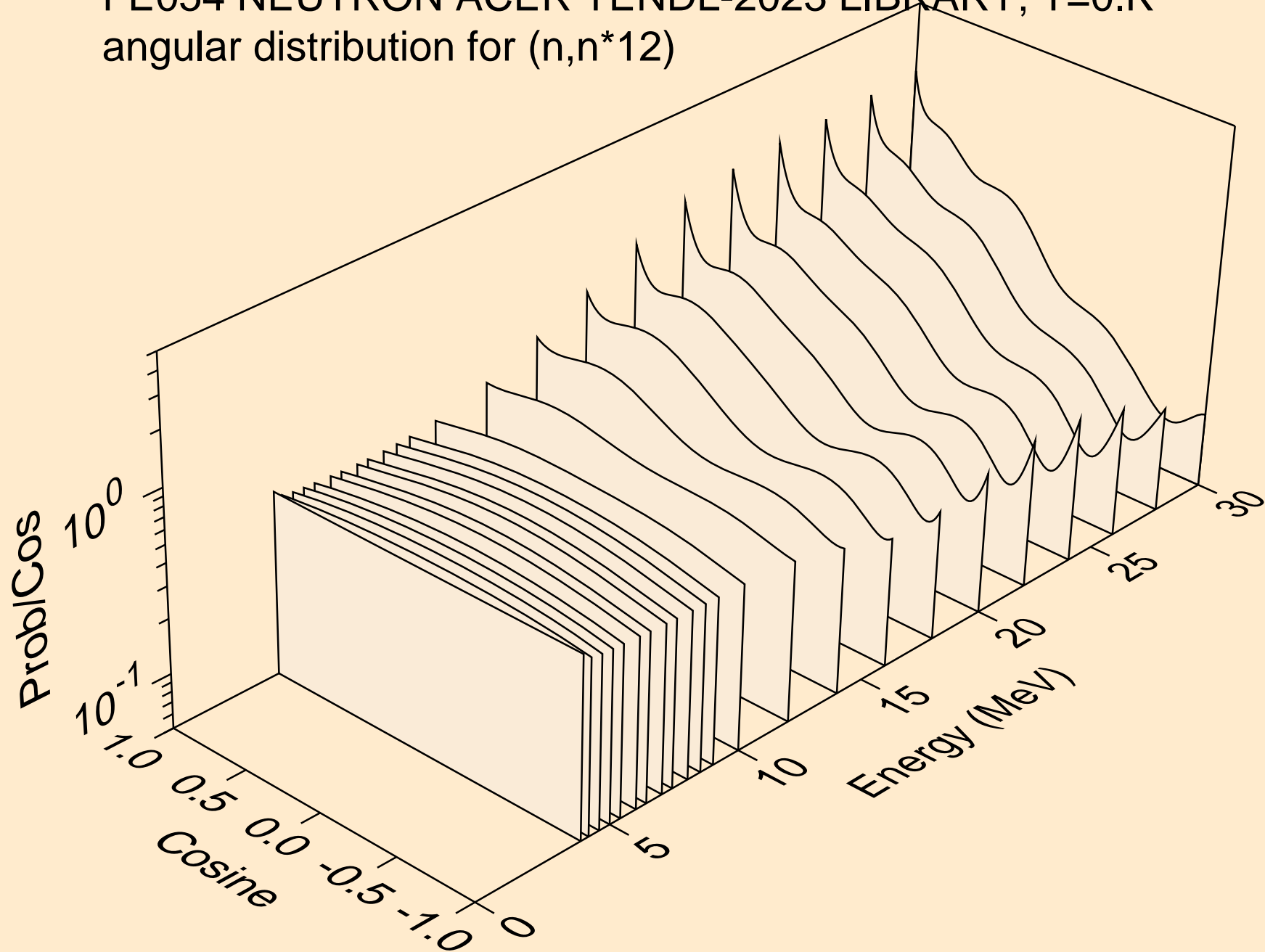
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angular distribution for (n,n\*10)



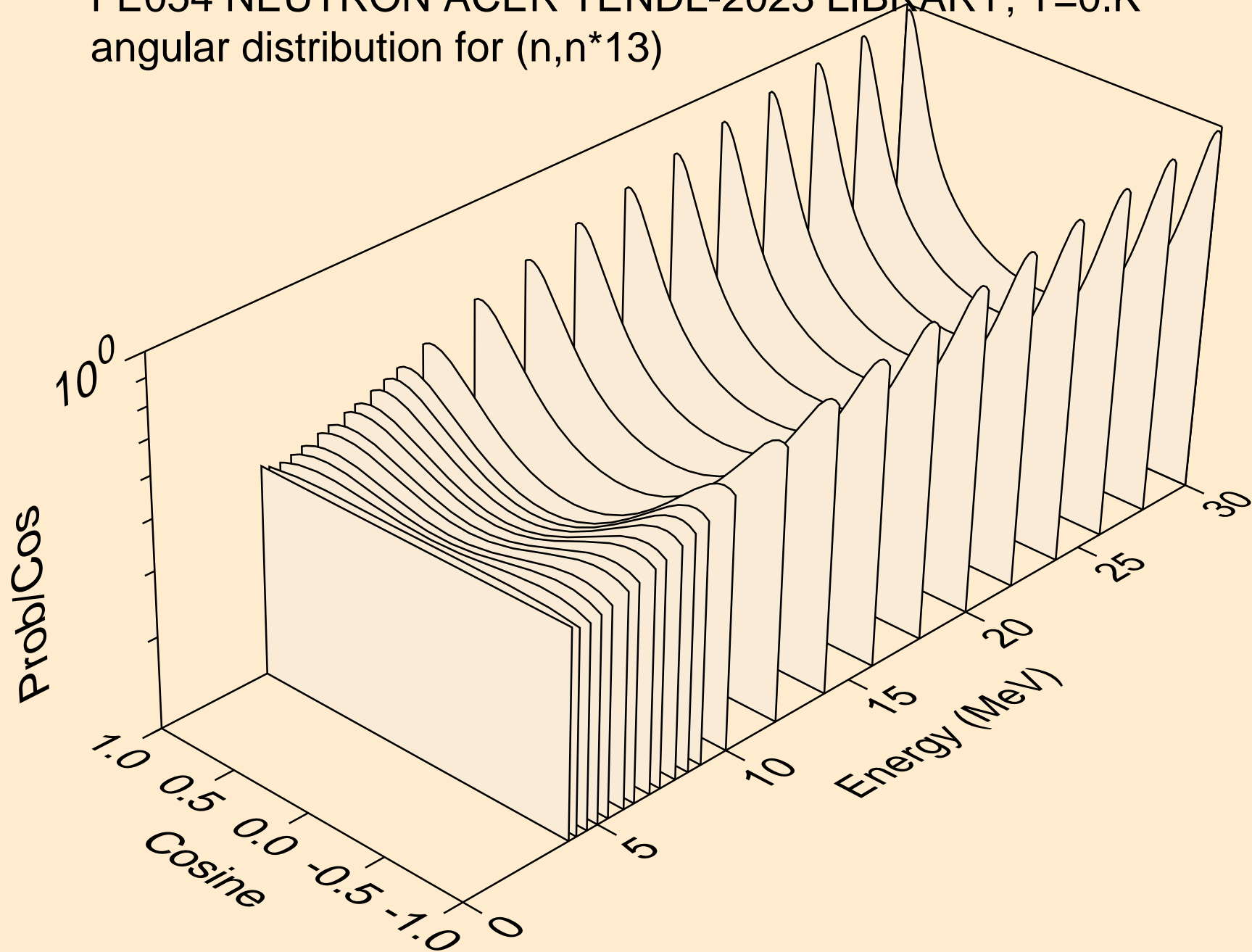
FE054 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*11)



FE054 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*12)

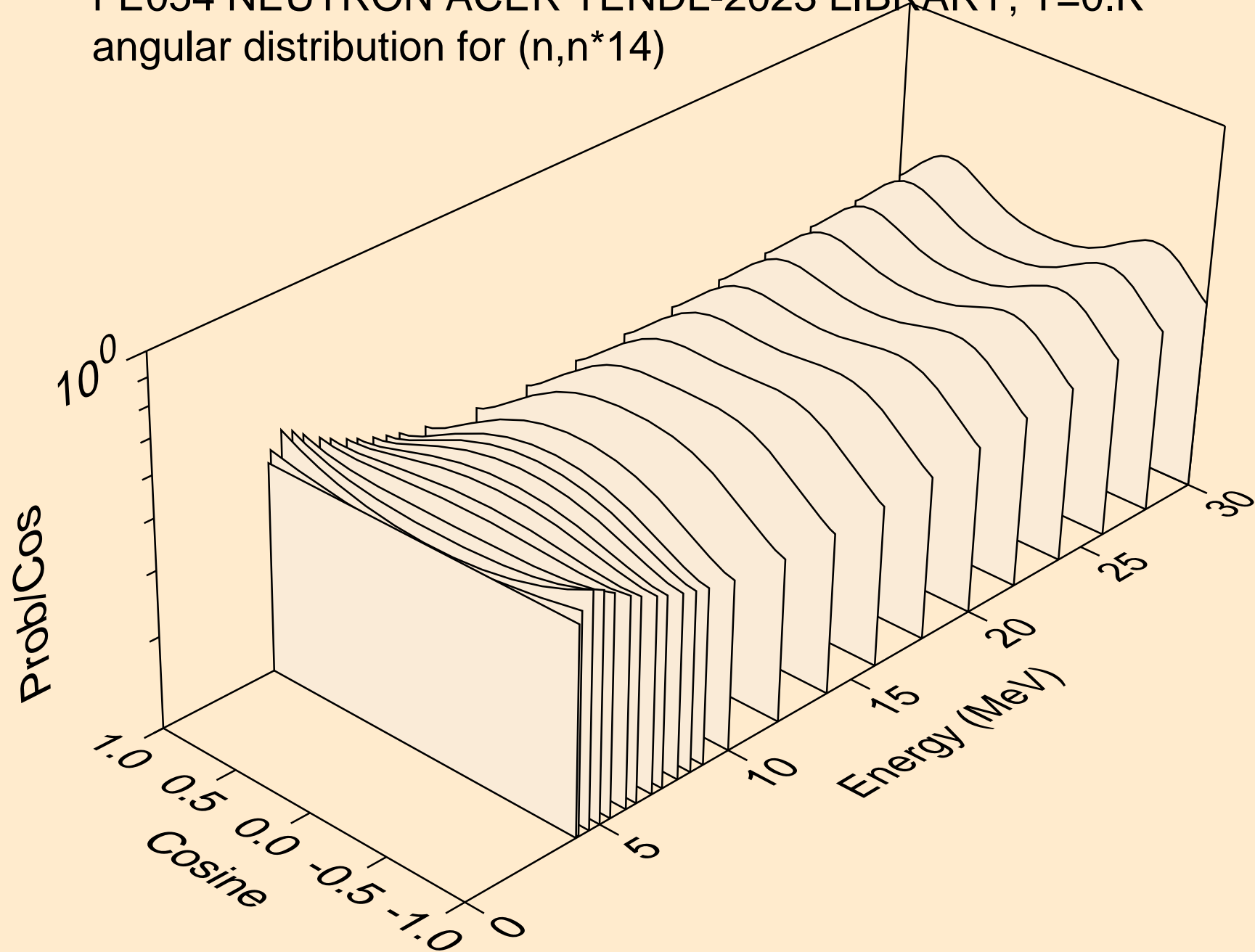


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angular distribution for (n,n\*13)

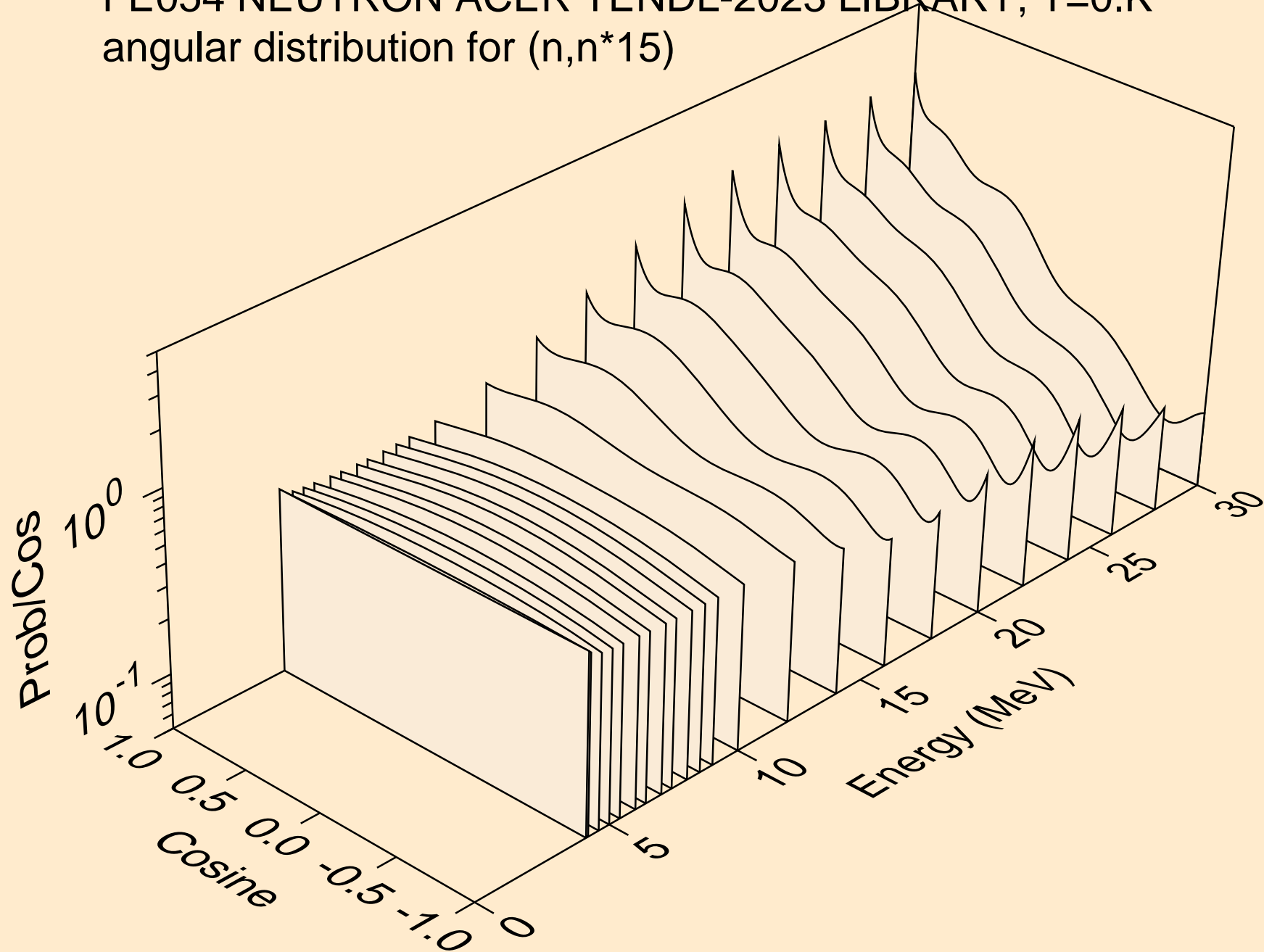




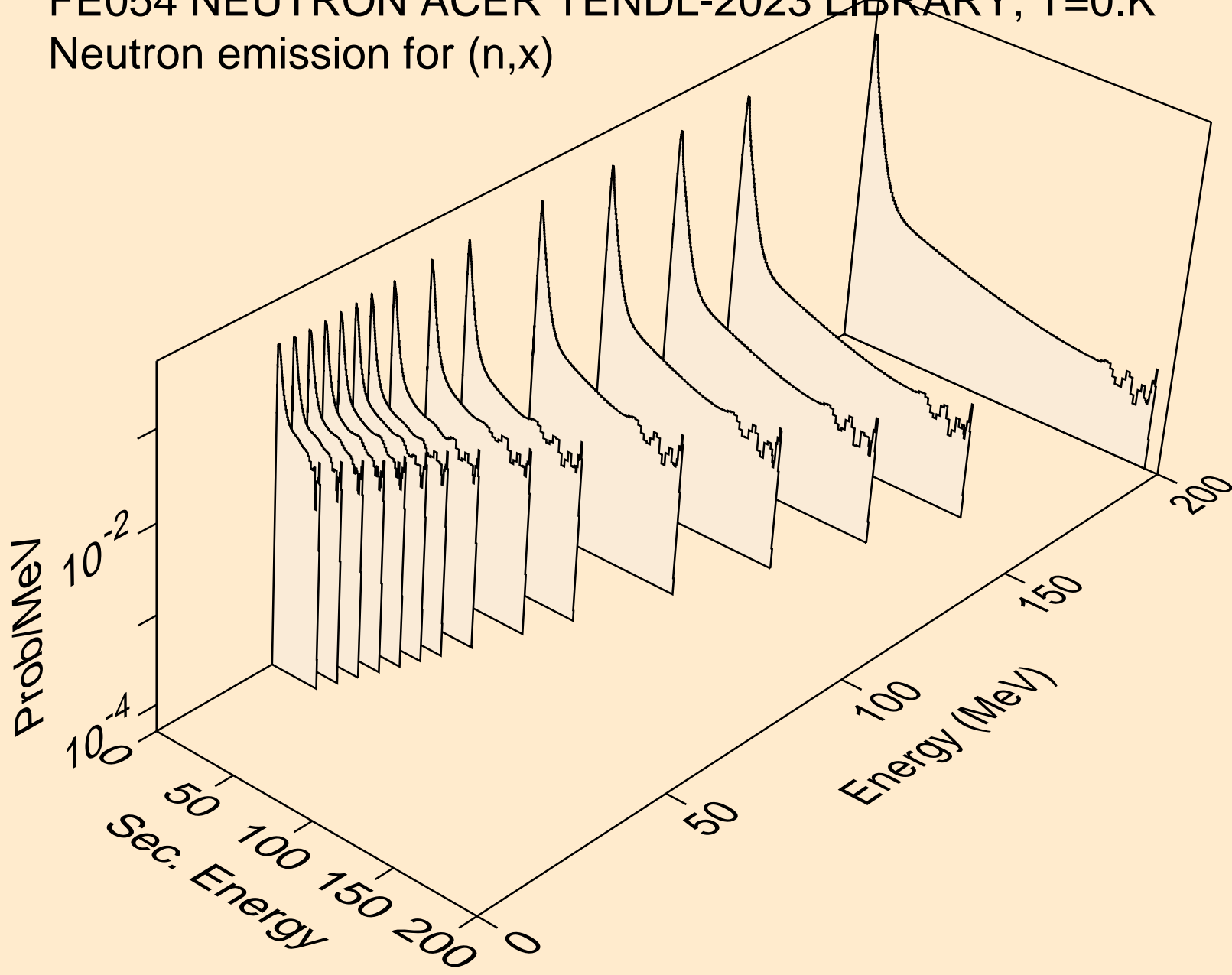
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angular distribution for (n,n\*14)



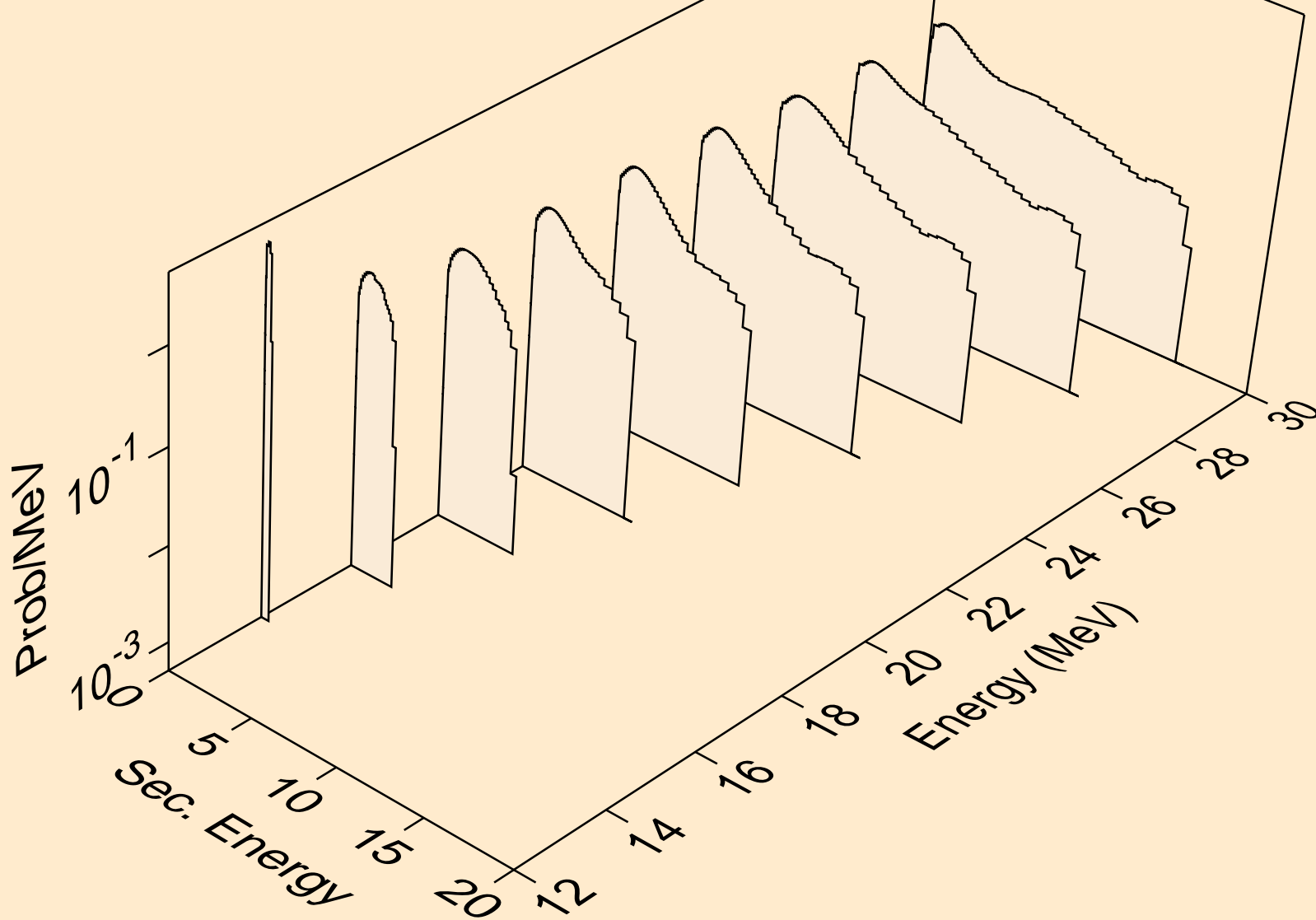
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angular distribution for (n,n\*15)



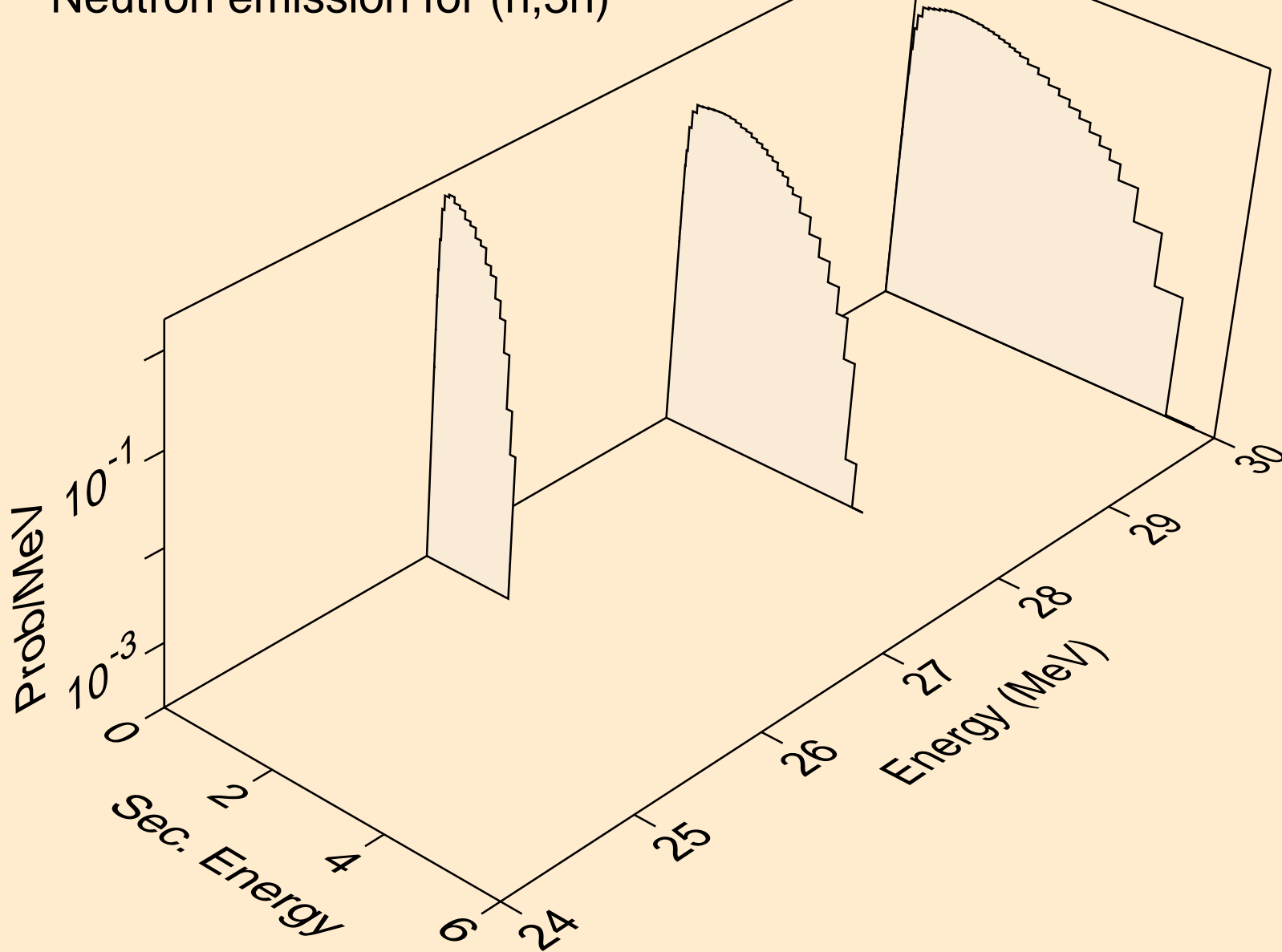
FE054 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,x)



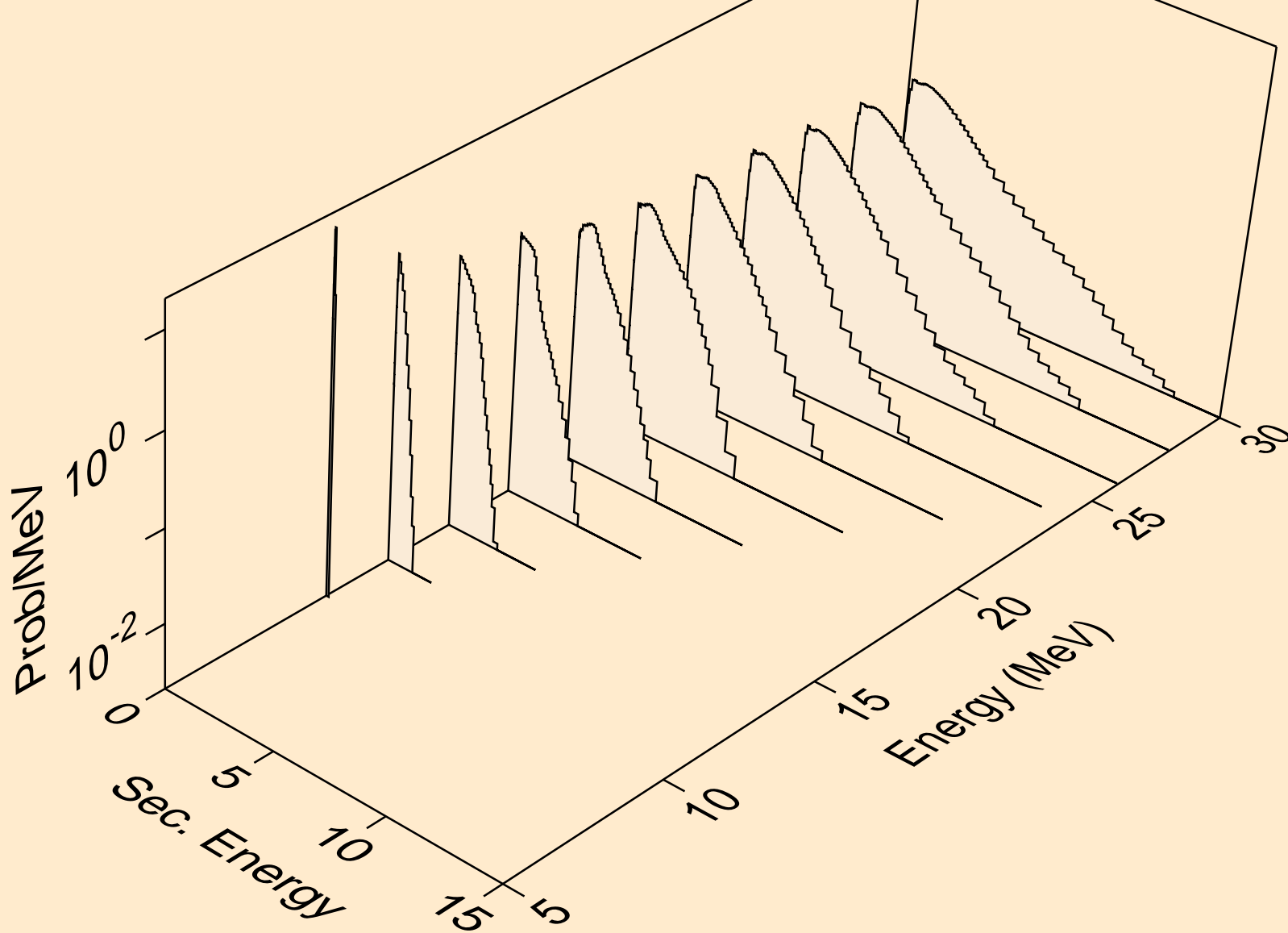
FE054 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)



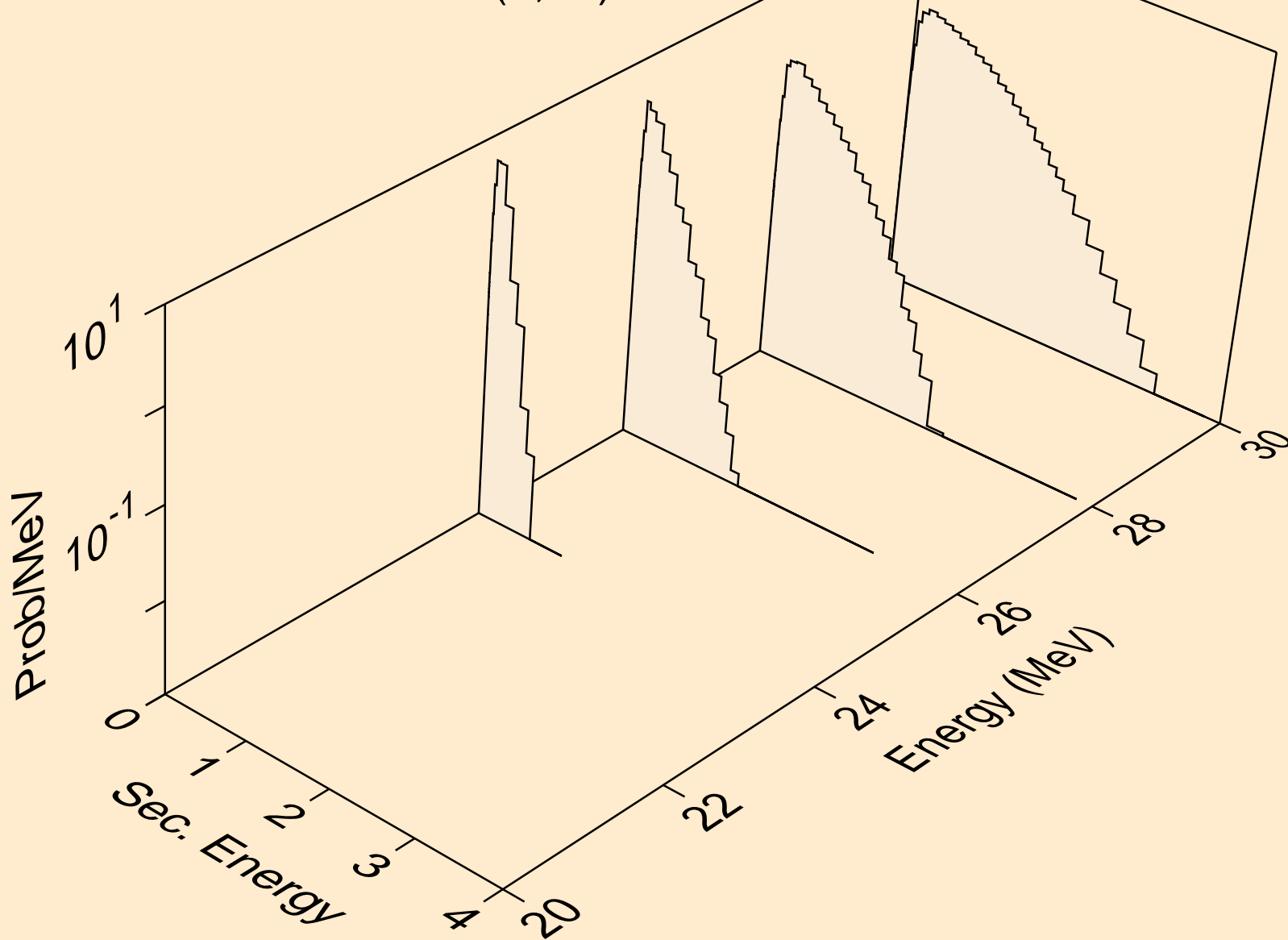
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Neutron emission for (n,3n)



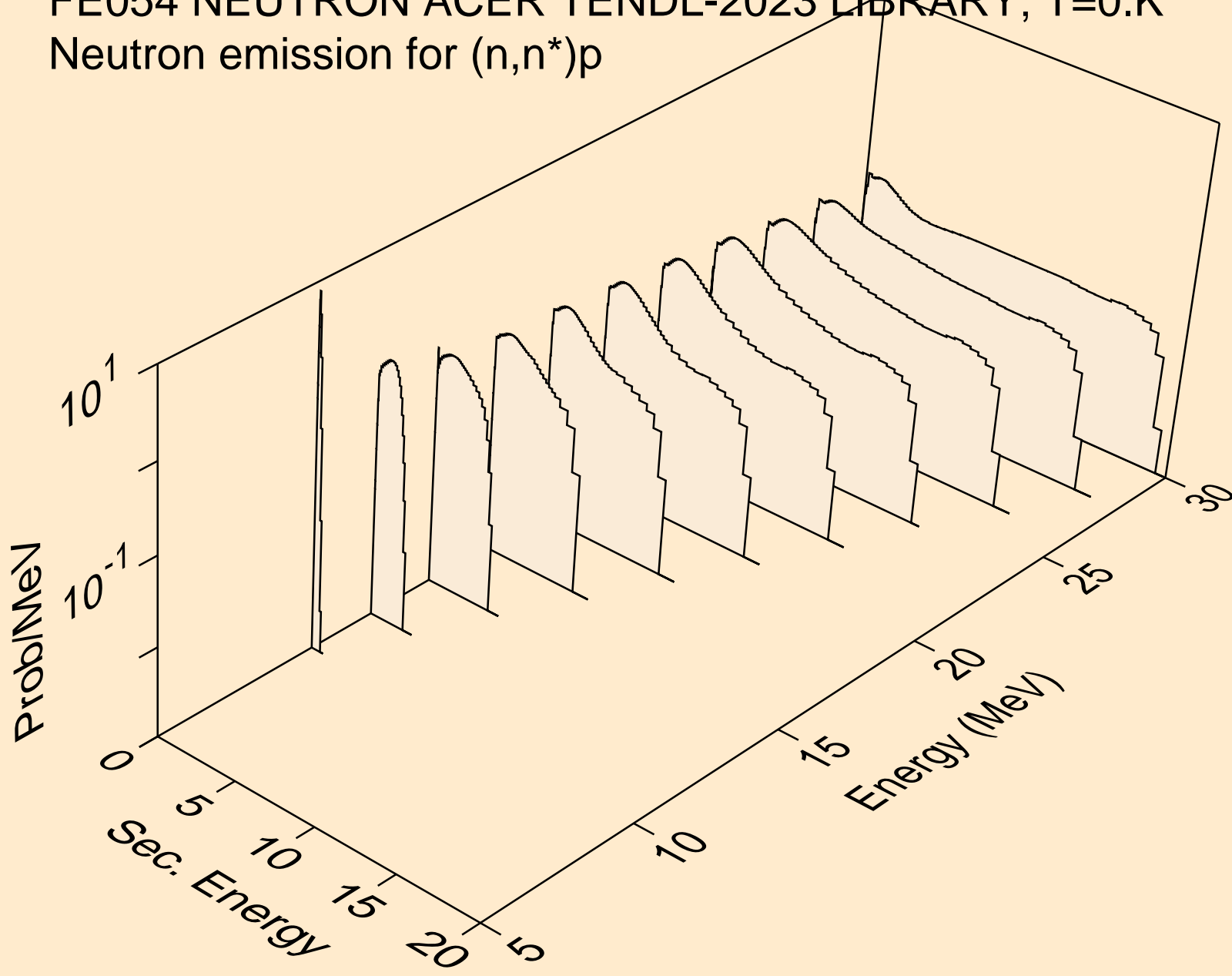
FE054 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



FE054 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)a

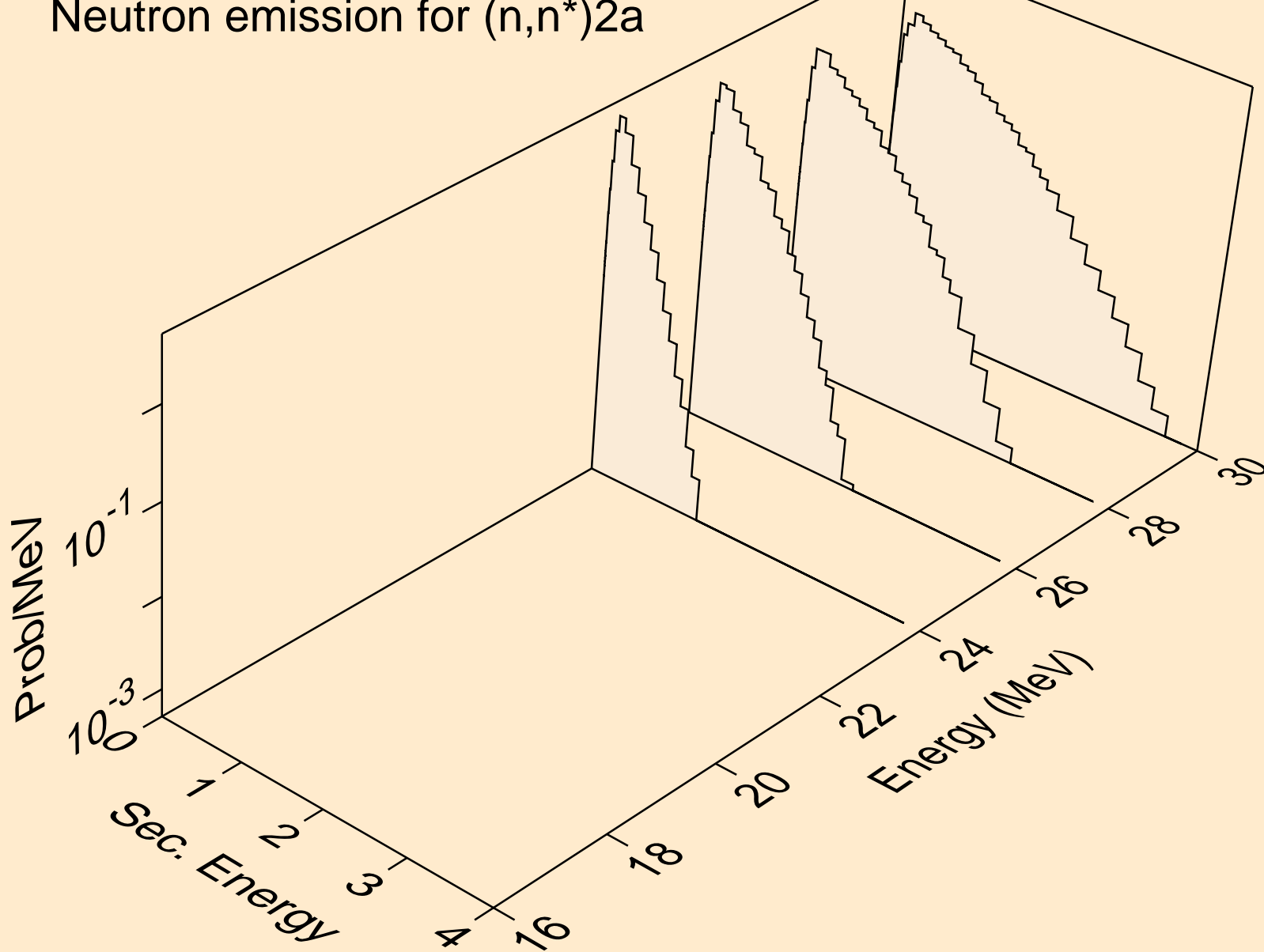


FE054 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p

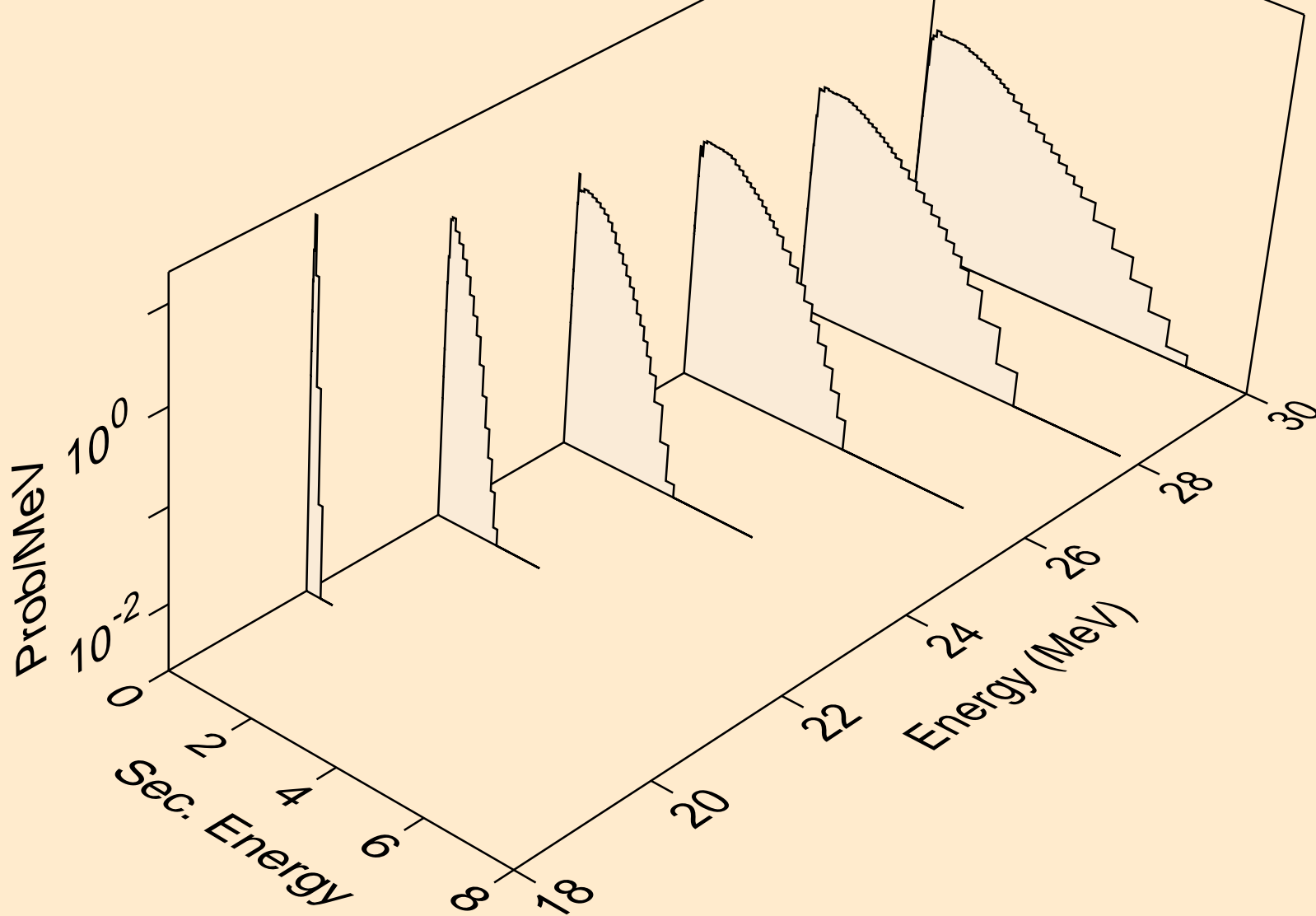




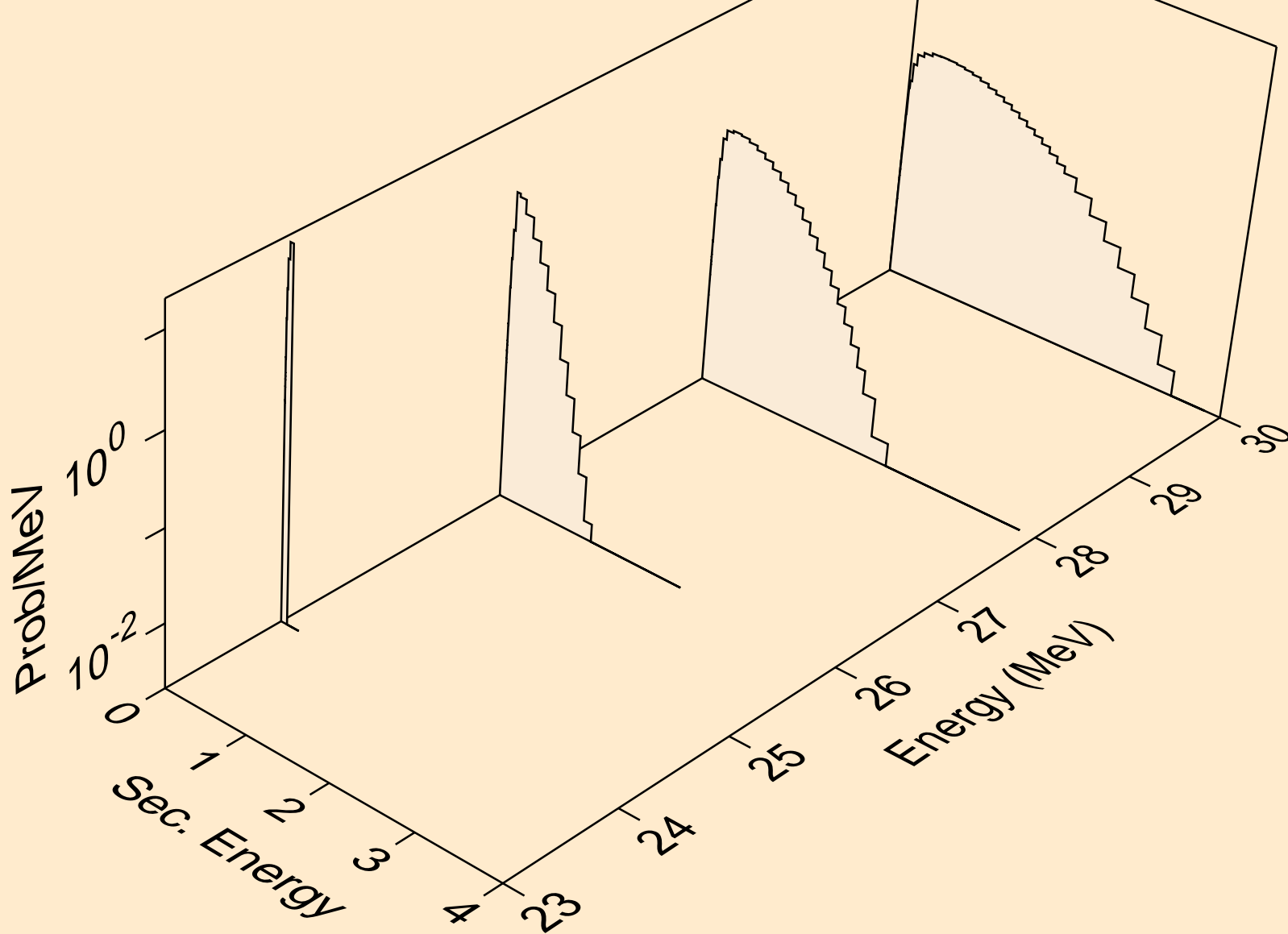
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Neutron emission for (n,n\*)2a



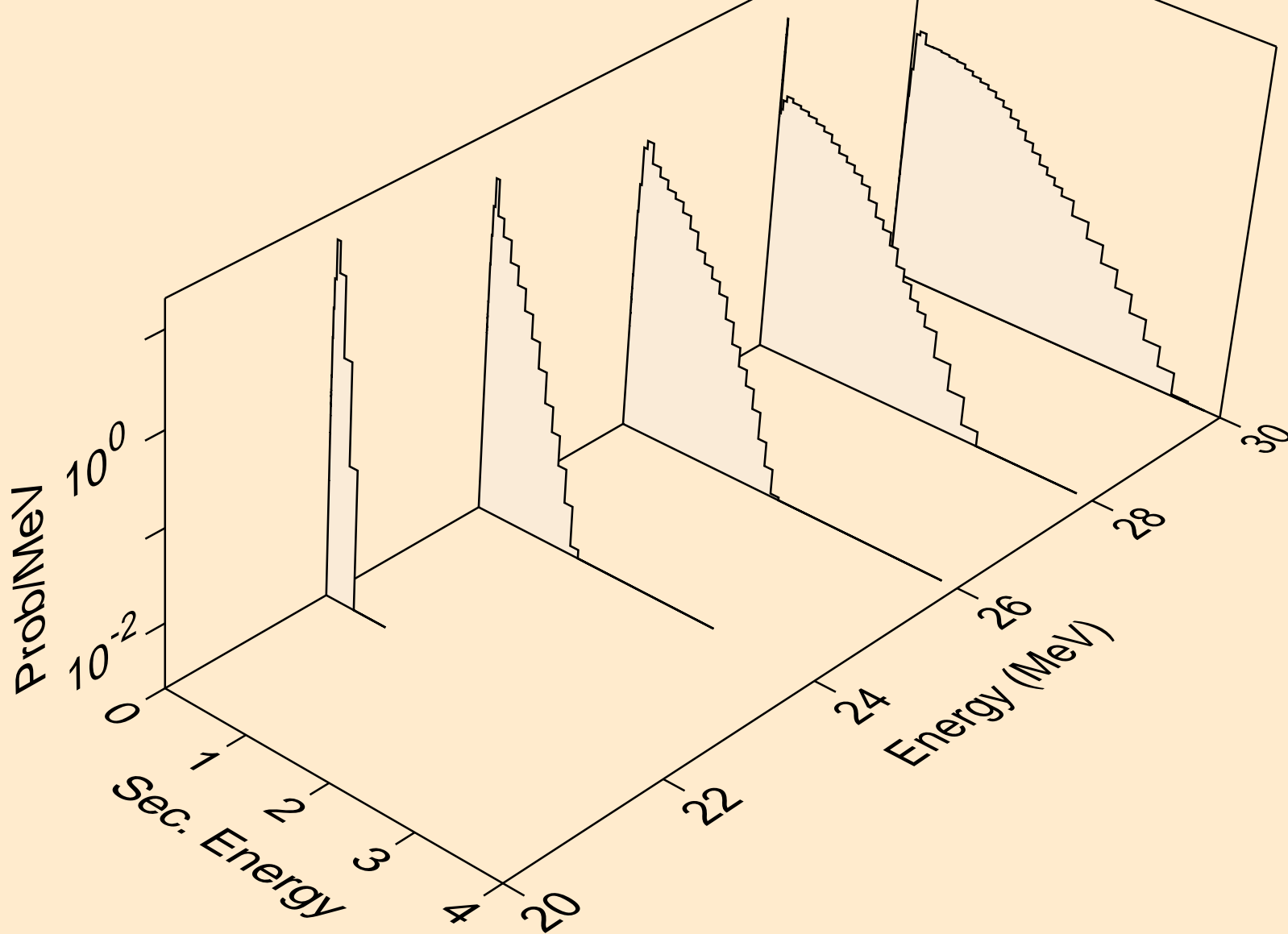
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Neutron emission for (n,n\*)d



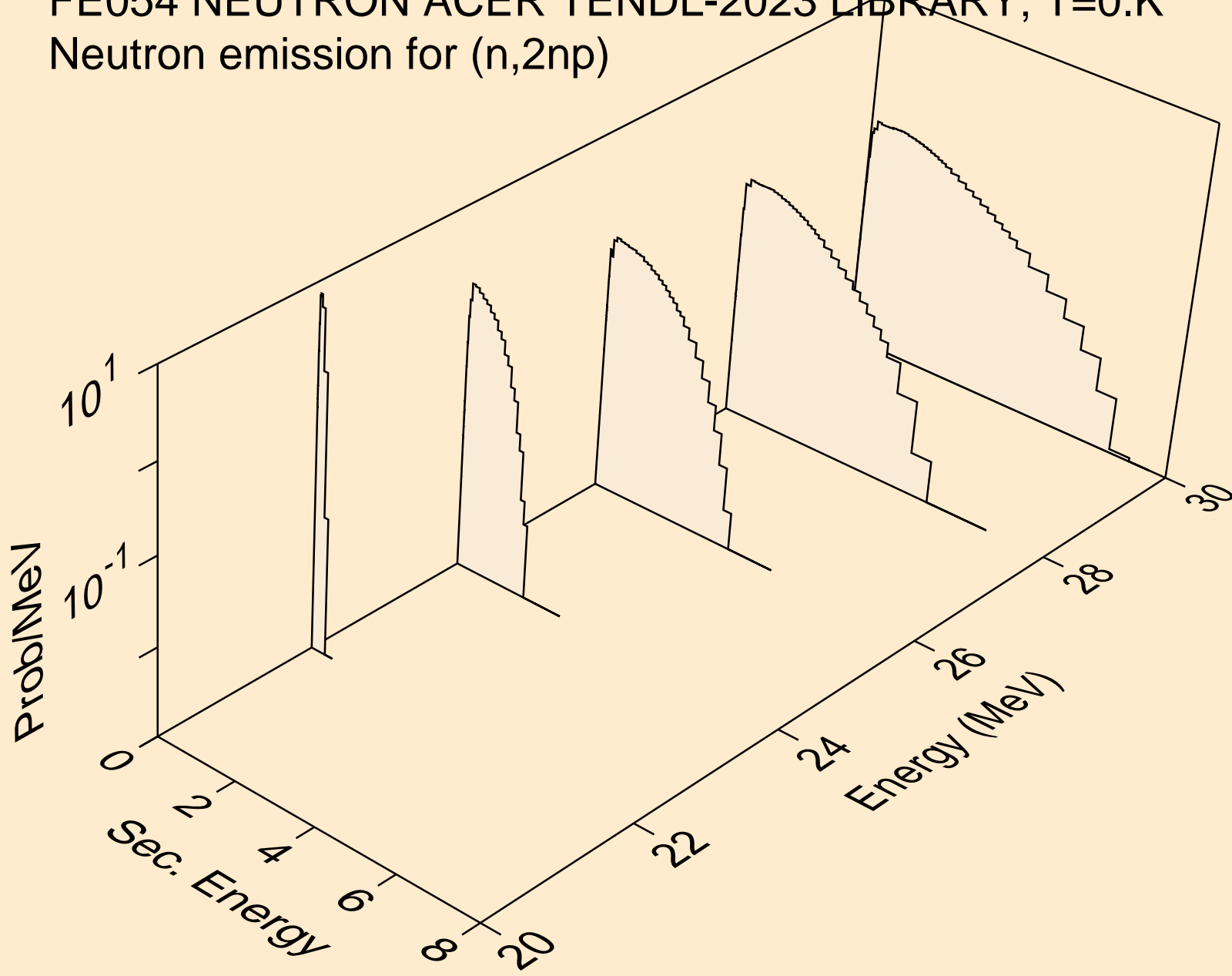
FE054 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



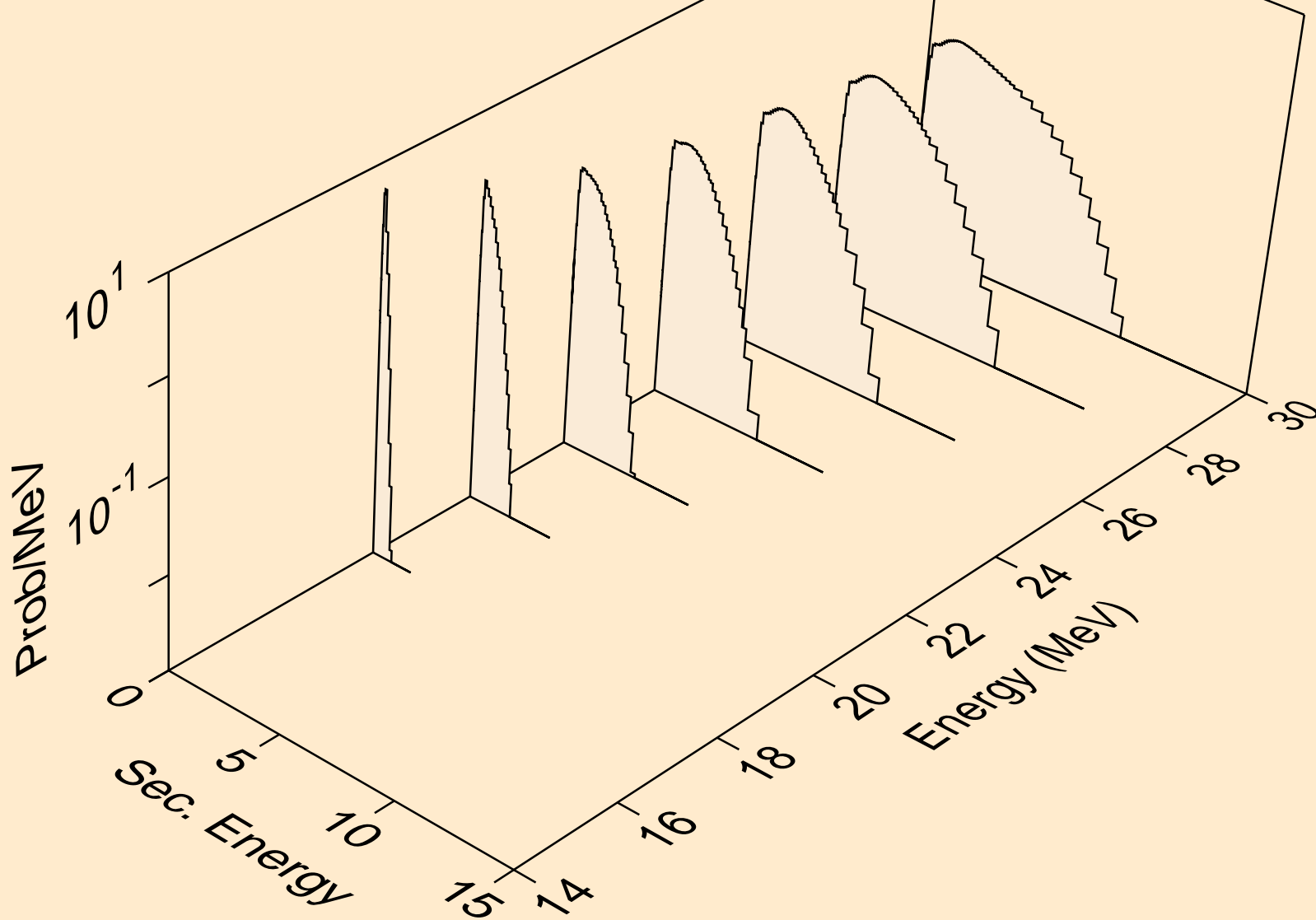
FE054 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



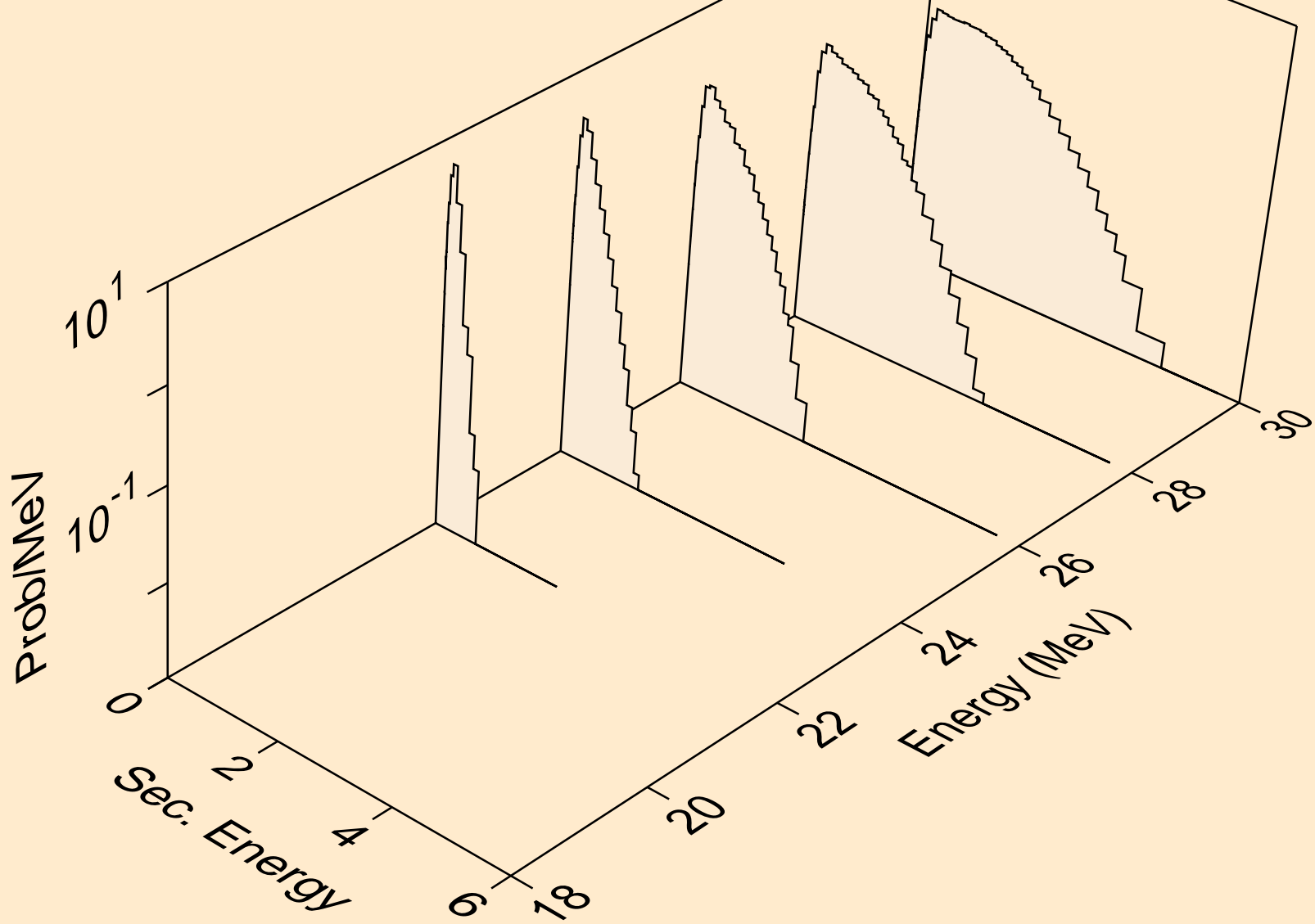
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Neutron emission for (n,2np)



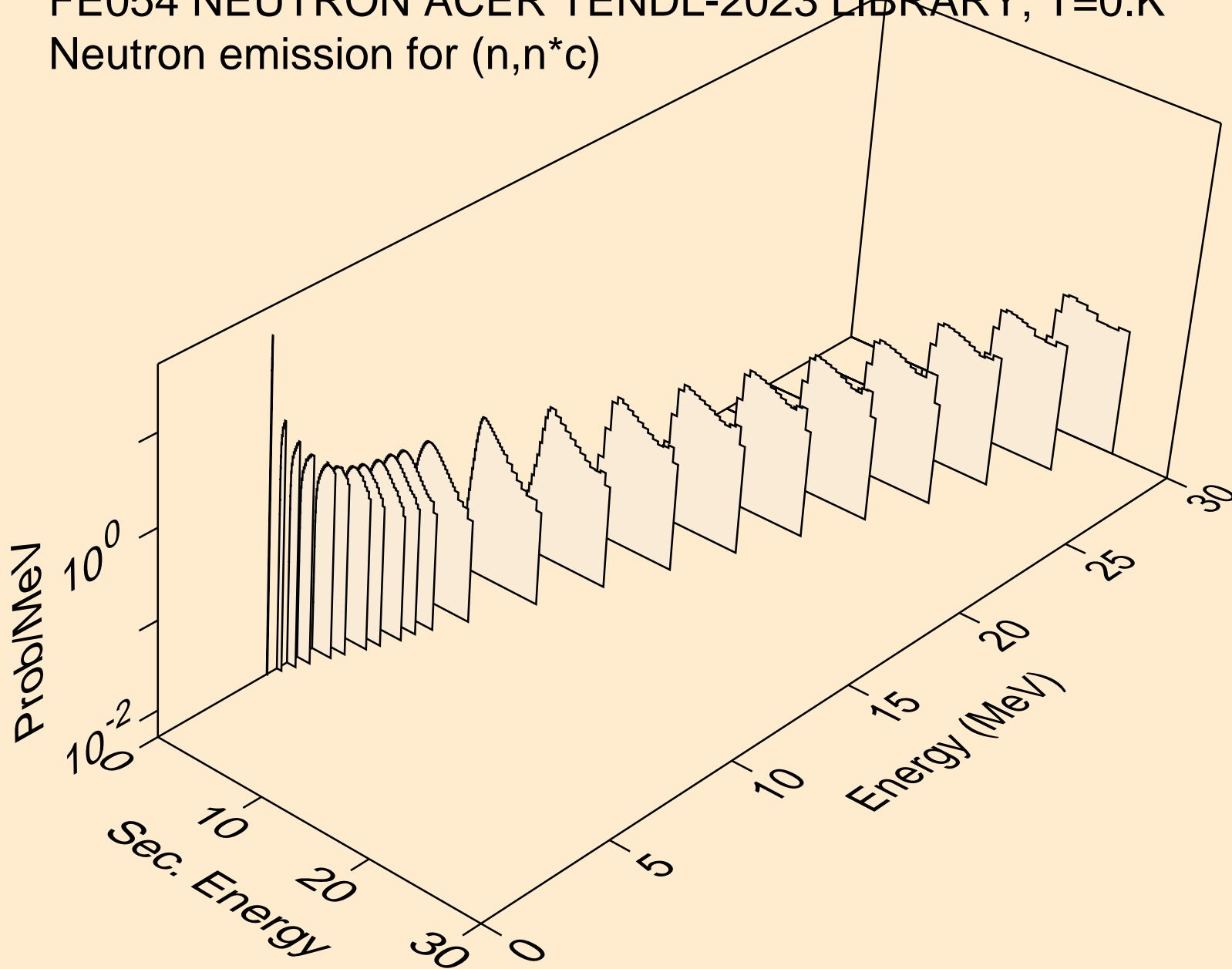
FE054 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n2p)



FE054 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,npa)

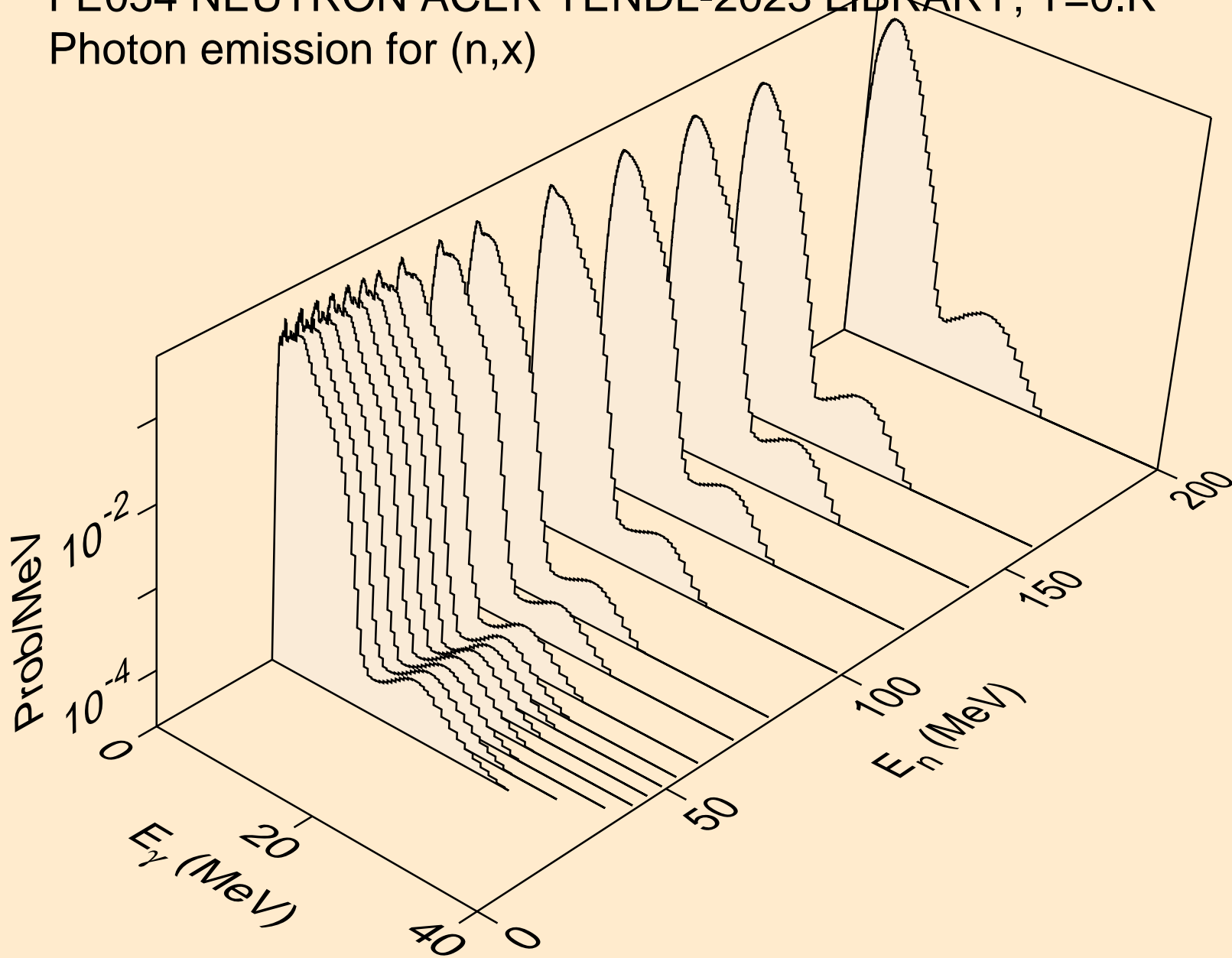


FE054 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)

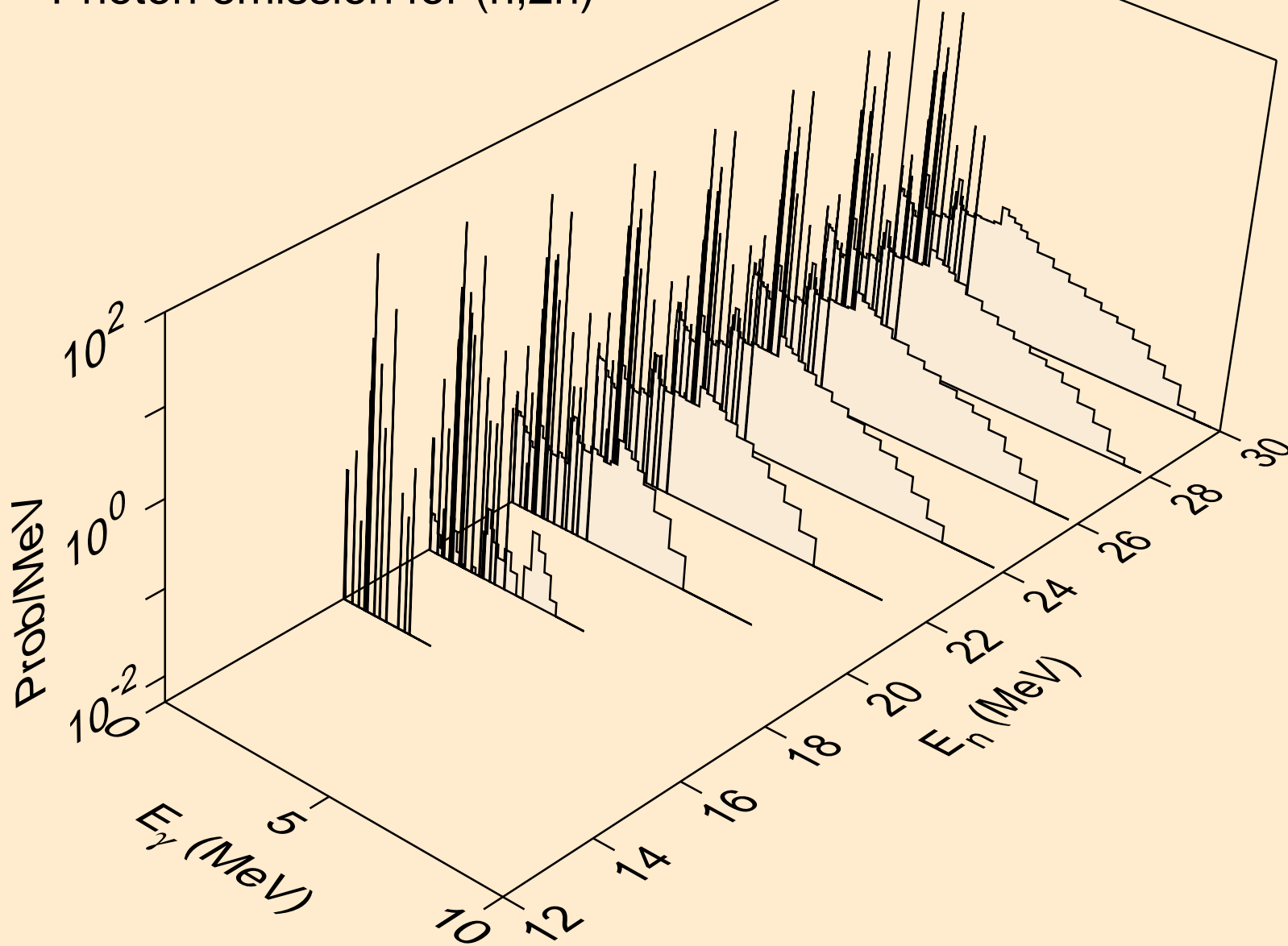




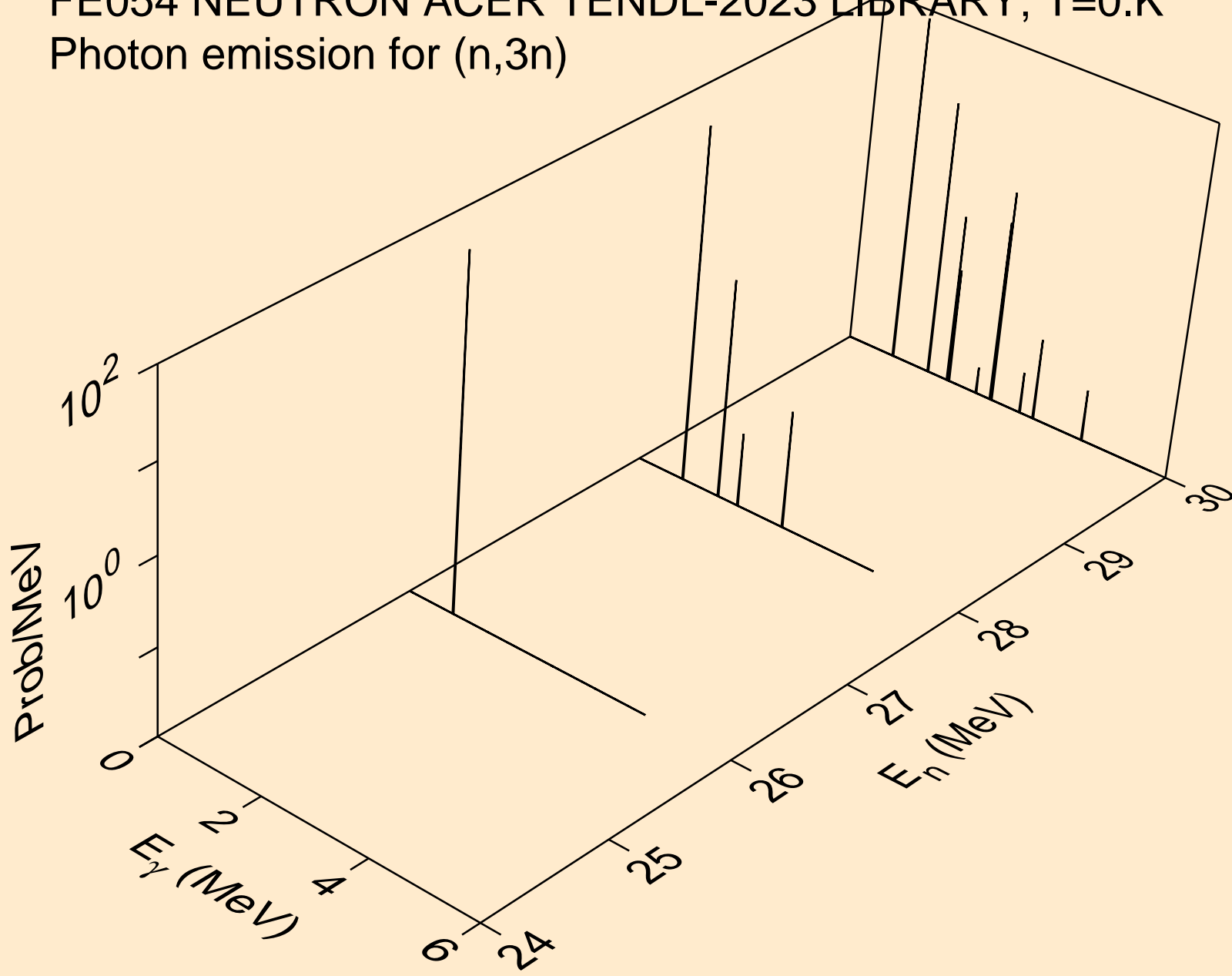
FE054 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,x)



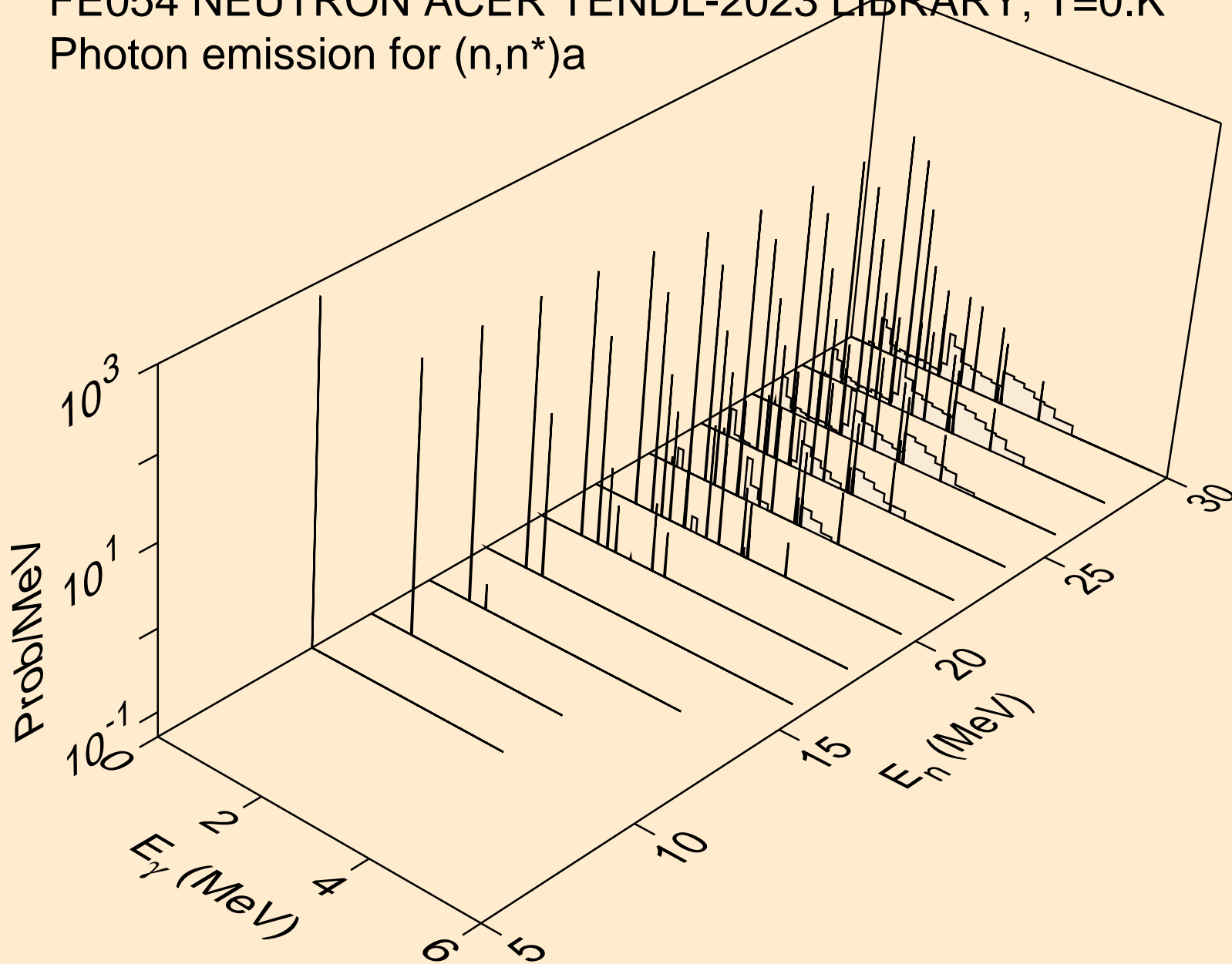
FE054 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



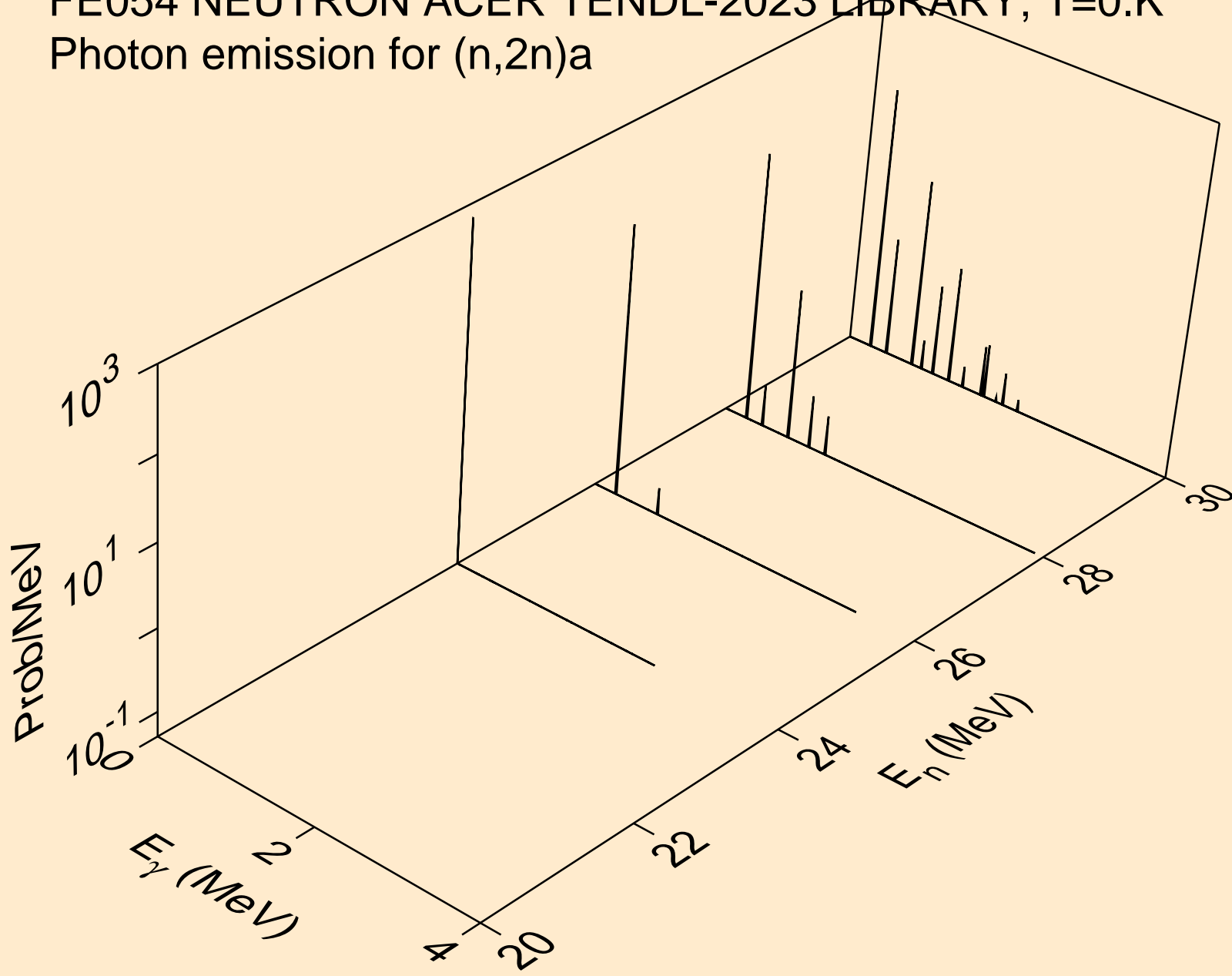
FE054 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



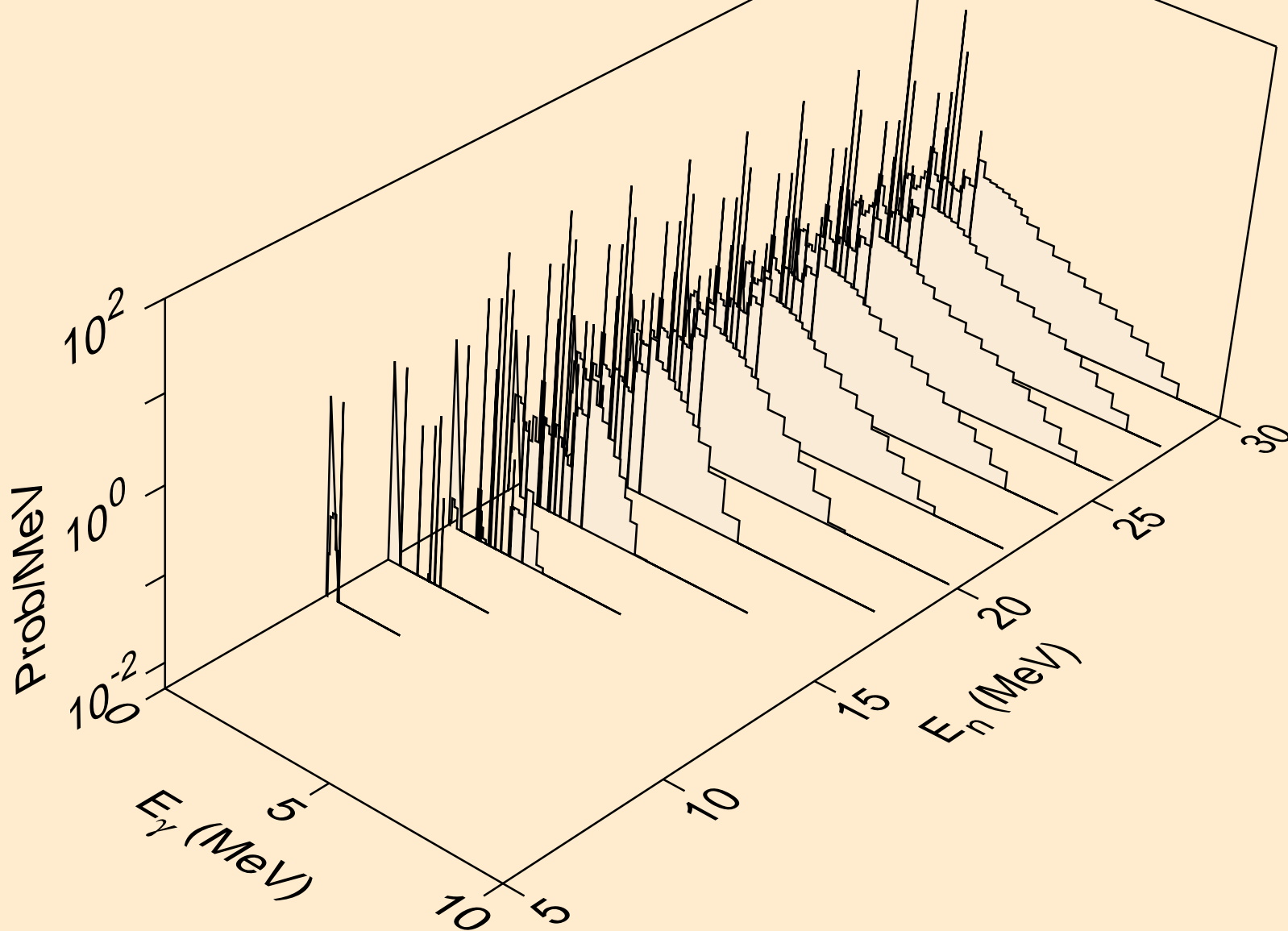
FE054 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



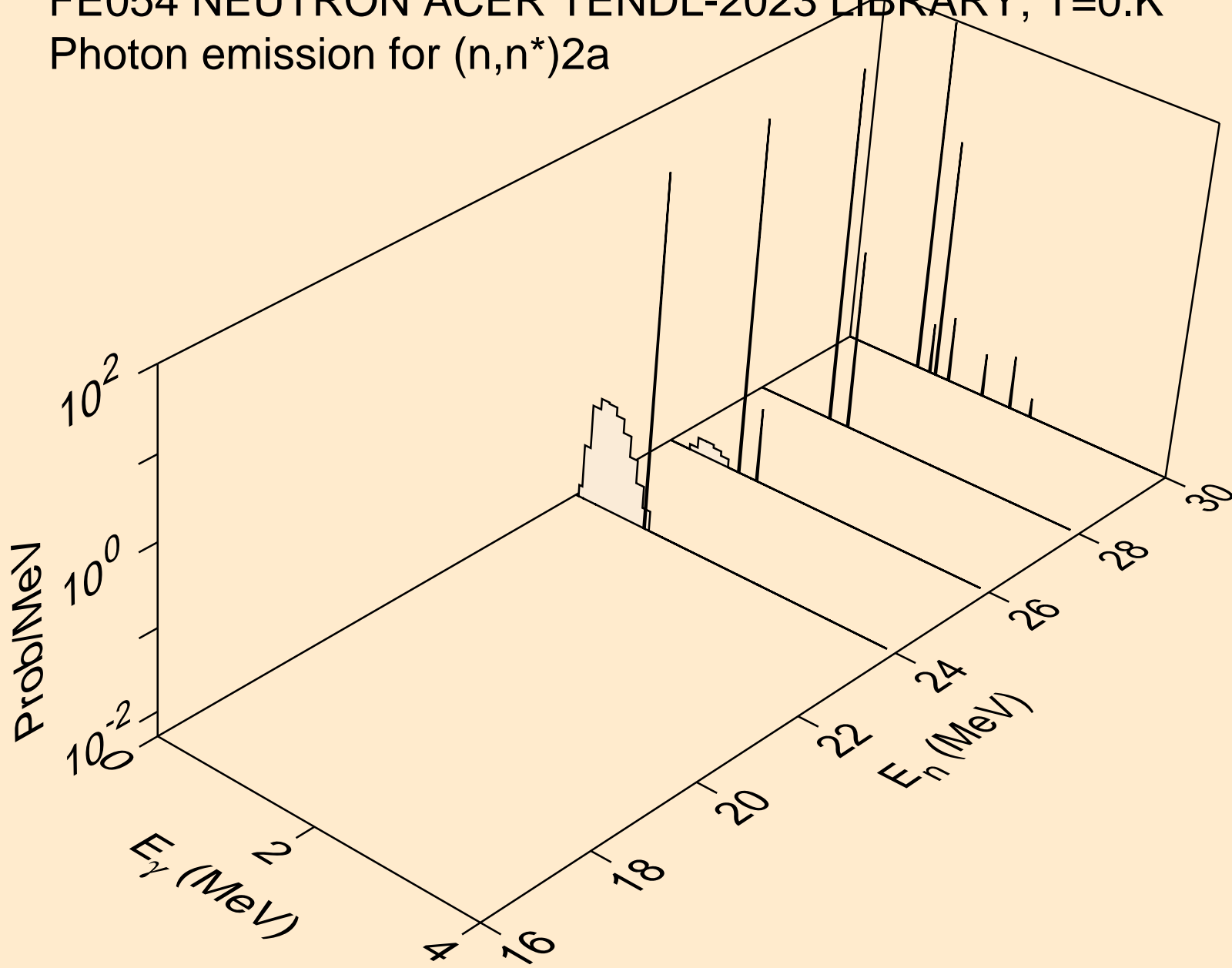
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Photon emission for (n,2n)a



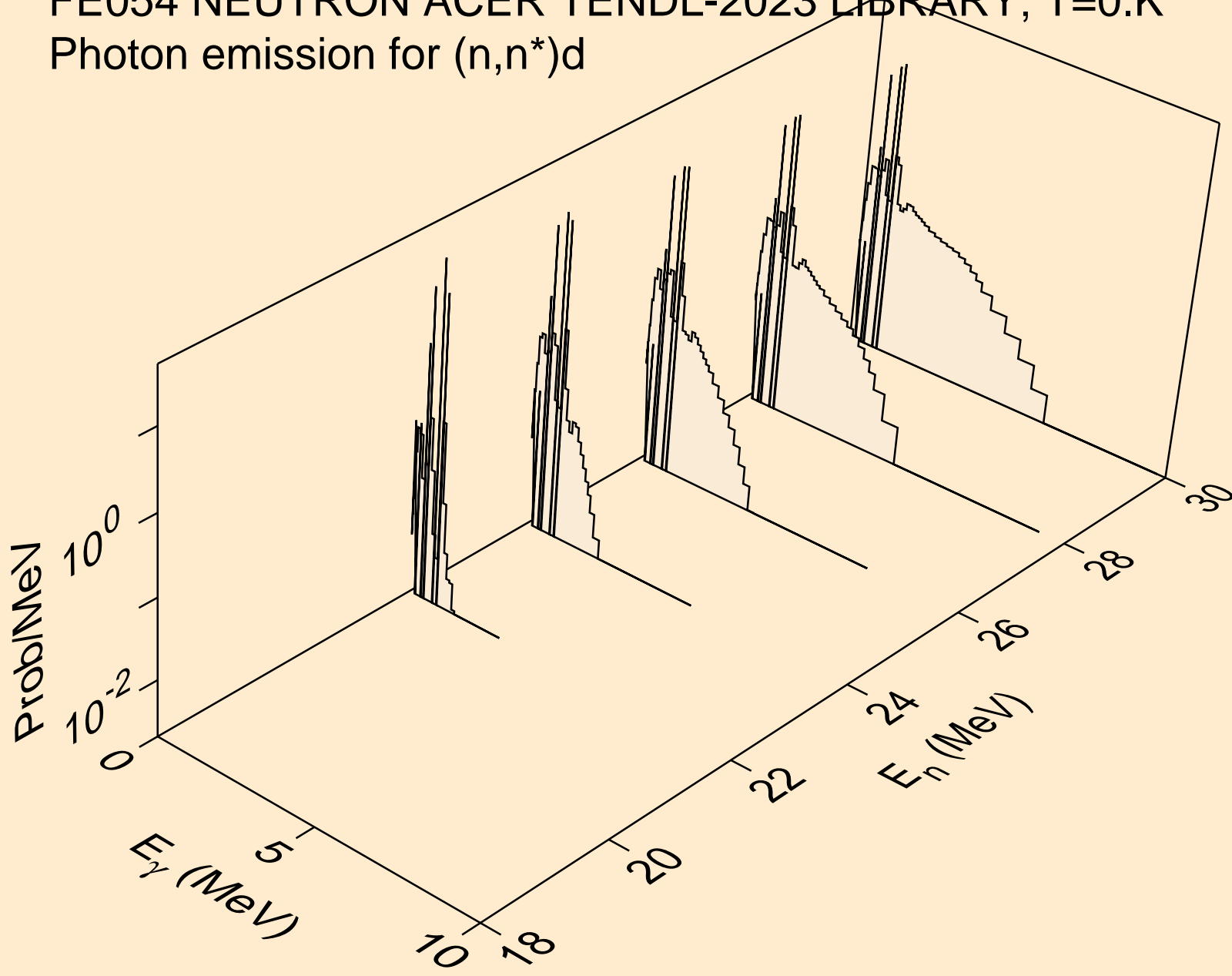
FE054 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



FE054 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a

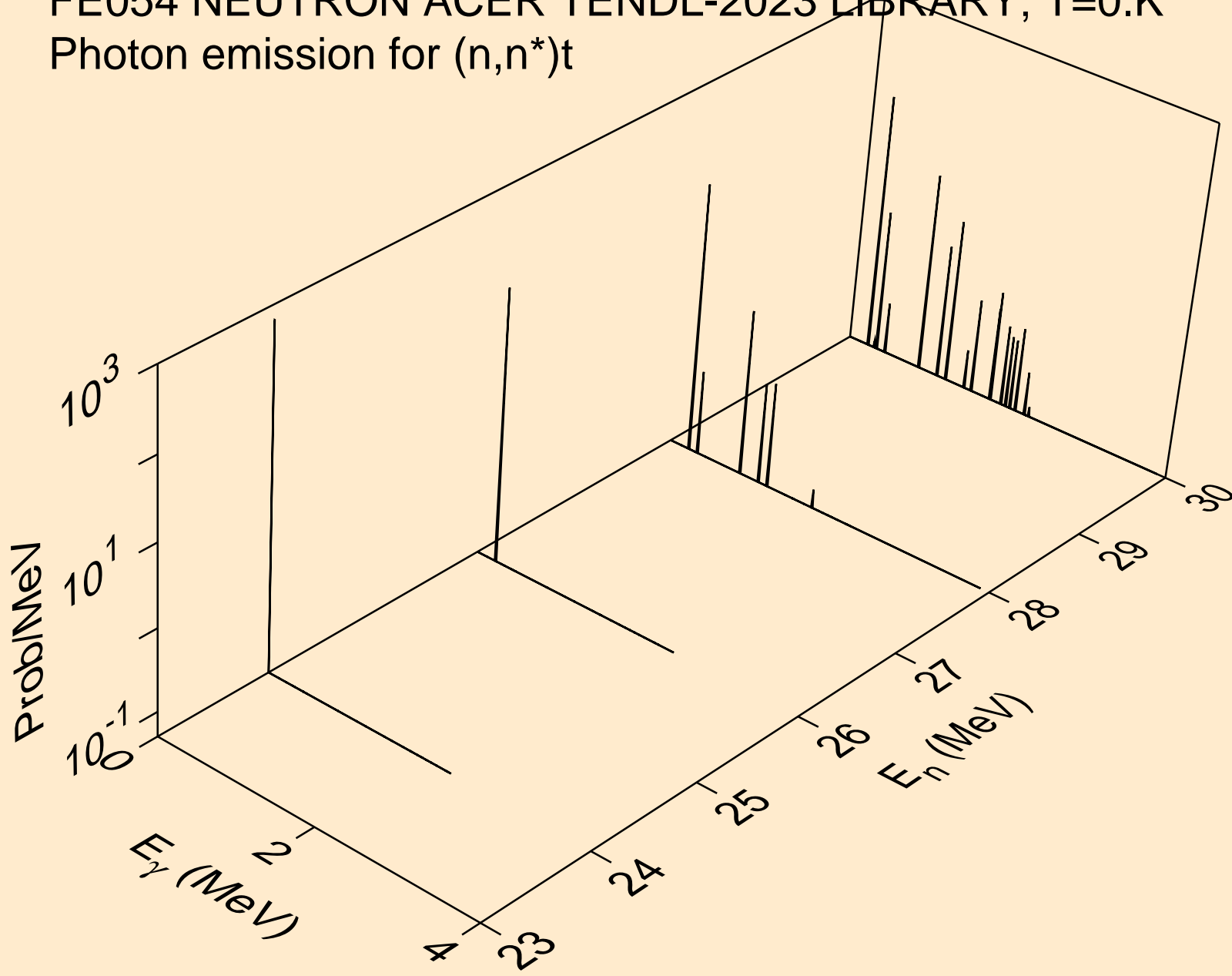


FE054 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d

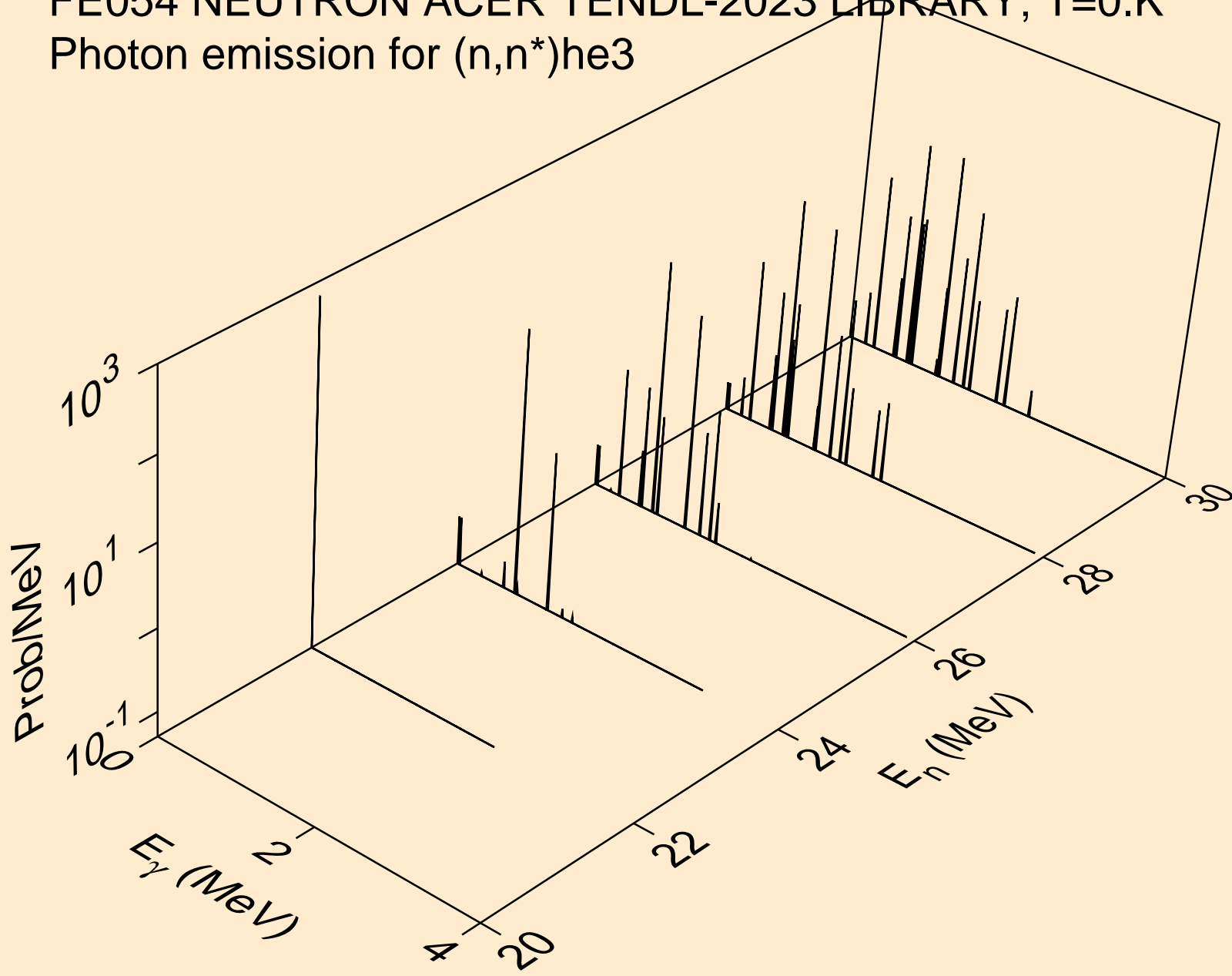




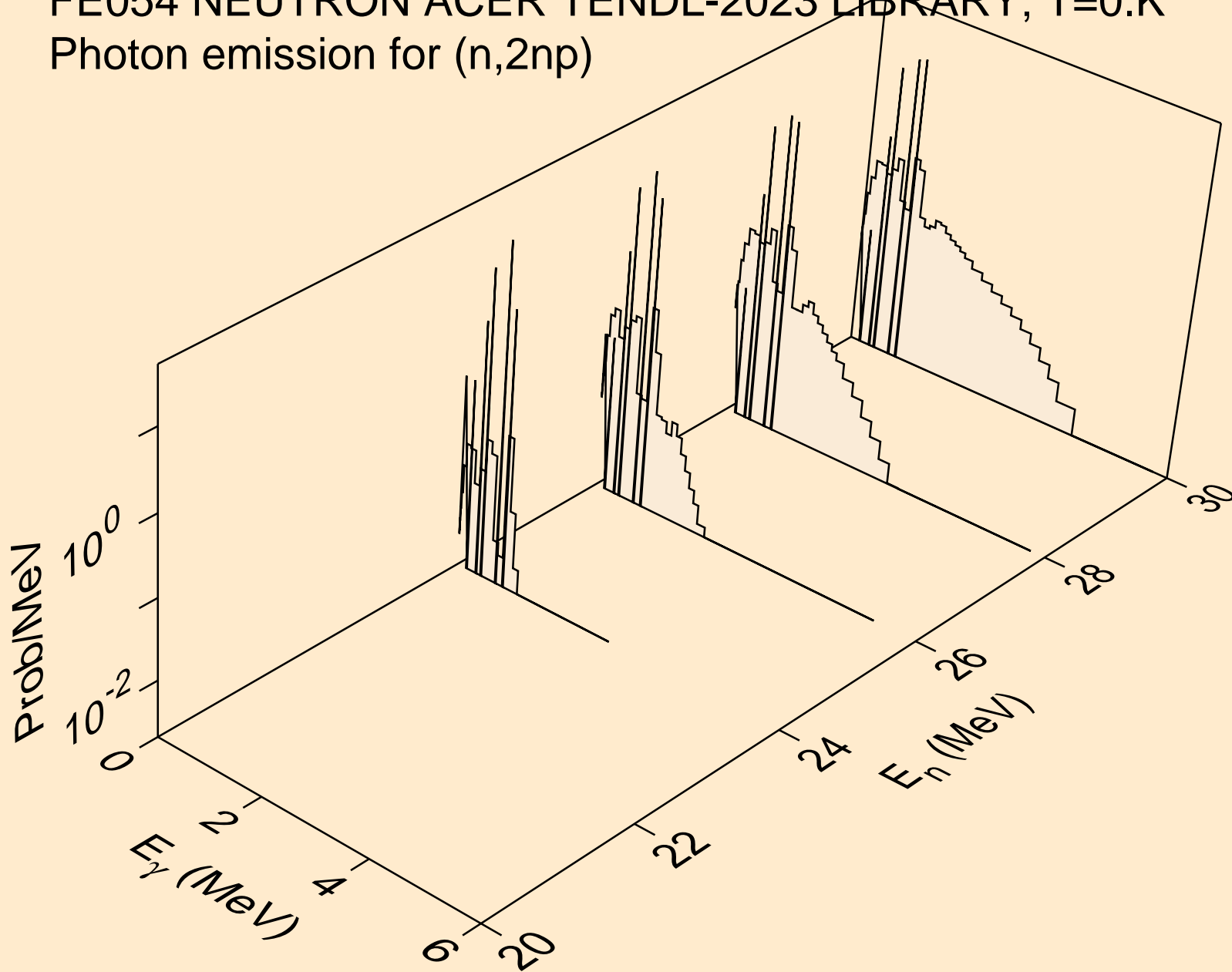
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Photon emission for (n,n\*)t



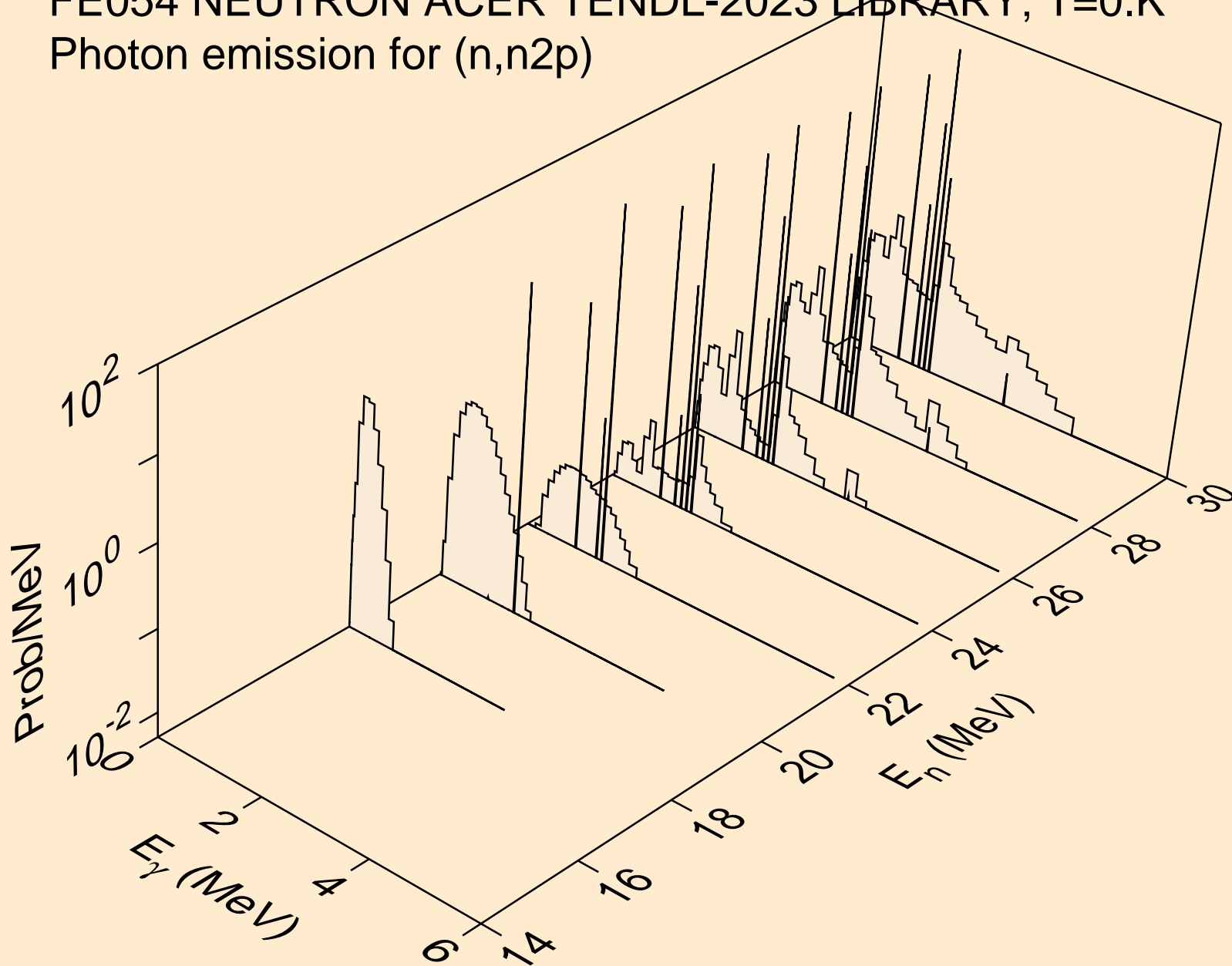
FE054 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



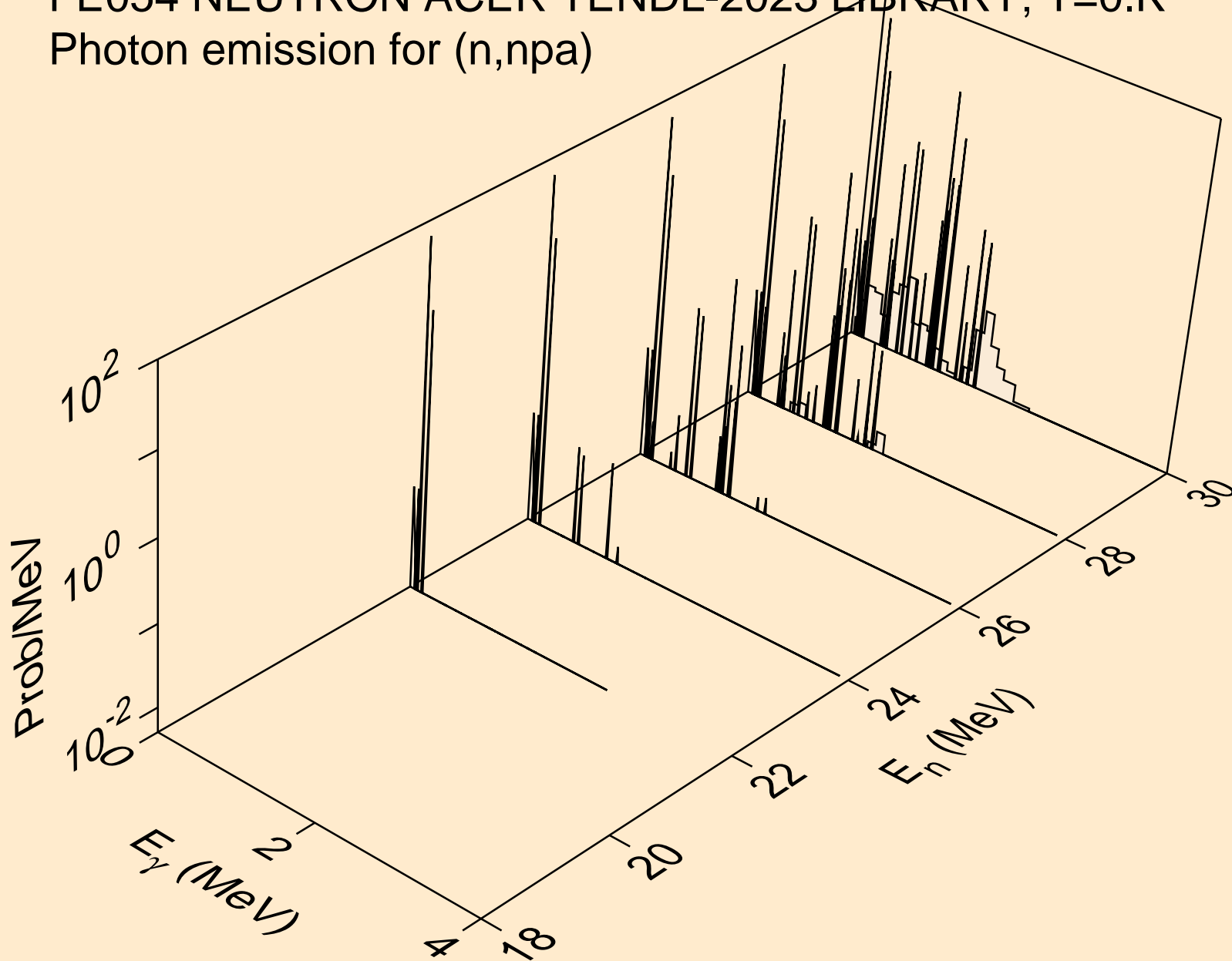
FE054 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)



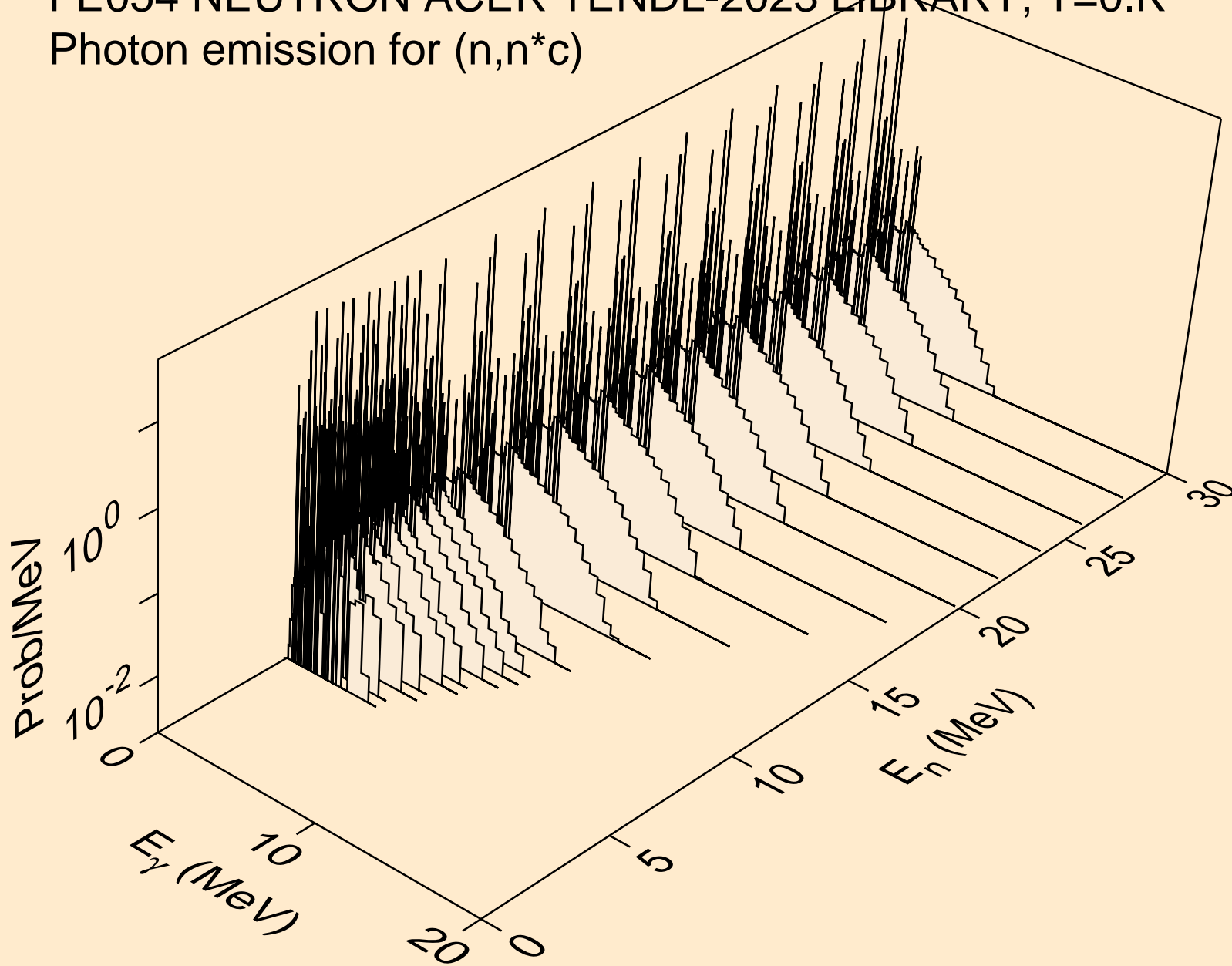
FE054 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)



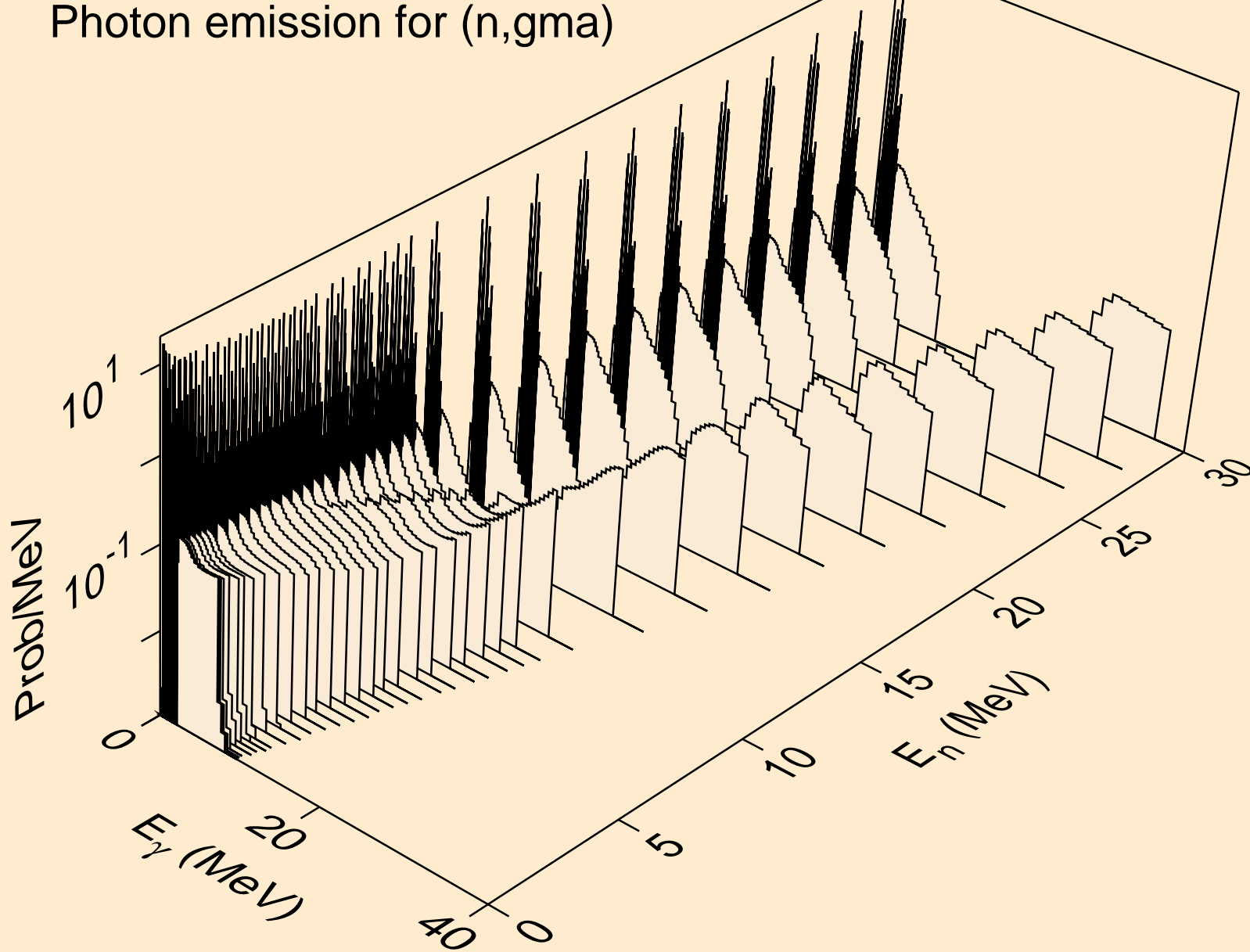
FE054 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,npa)



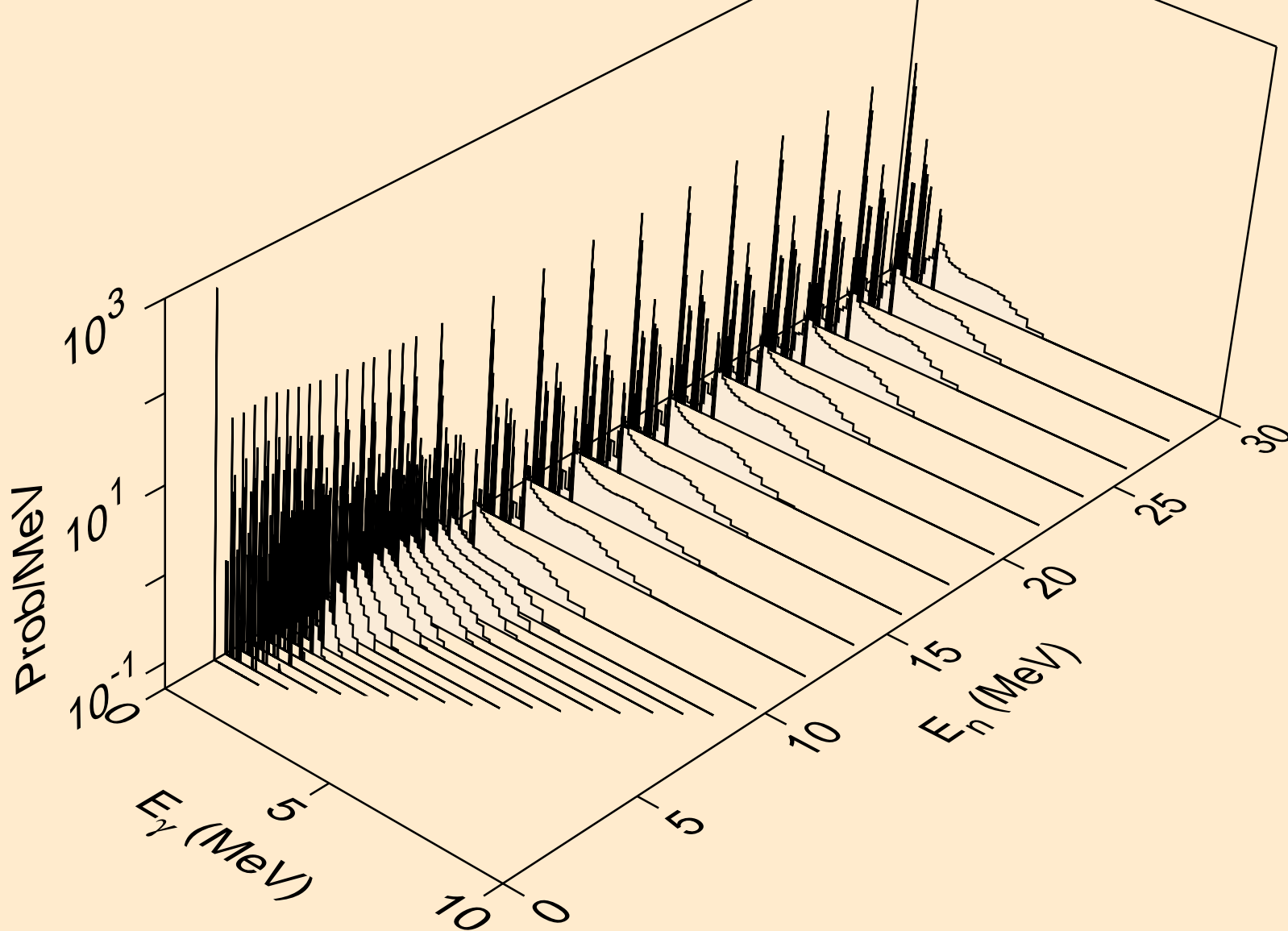
FE054 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*c)



FE054 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)

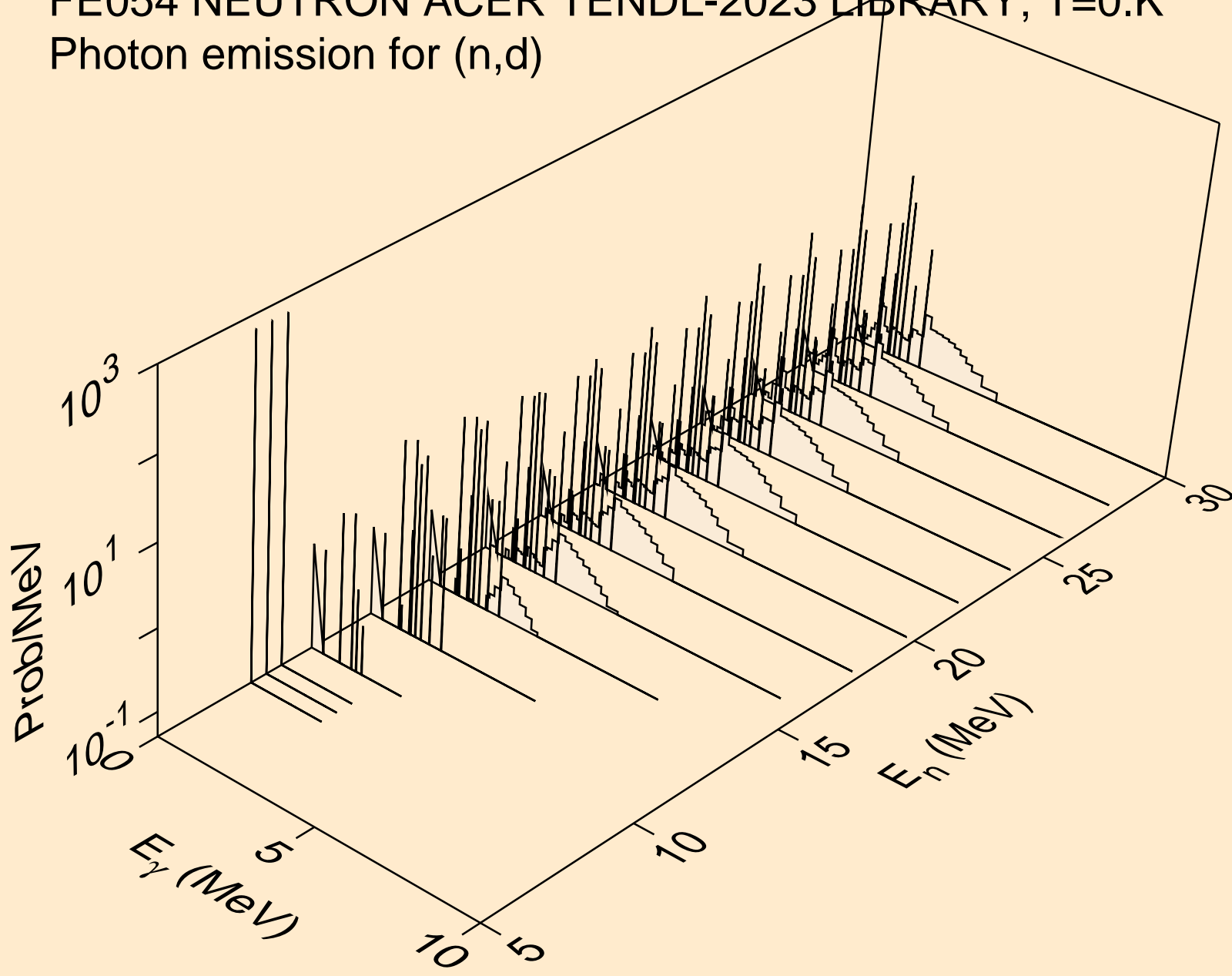


FE054 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)

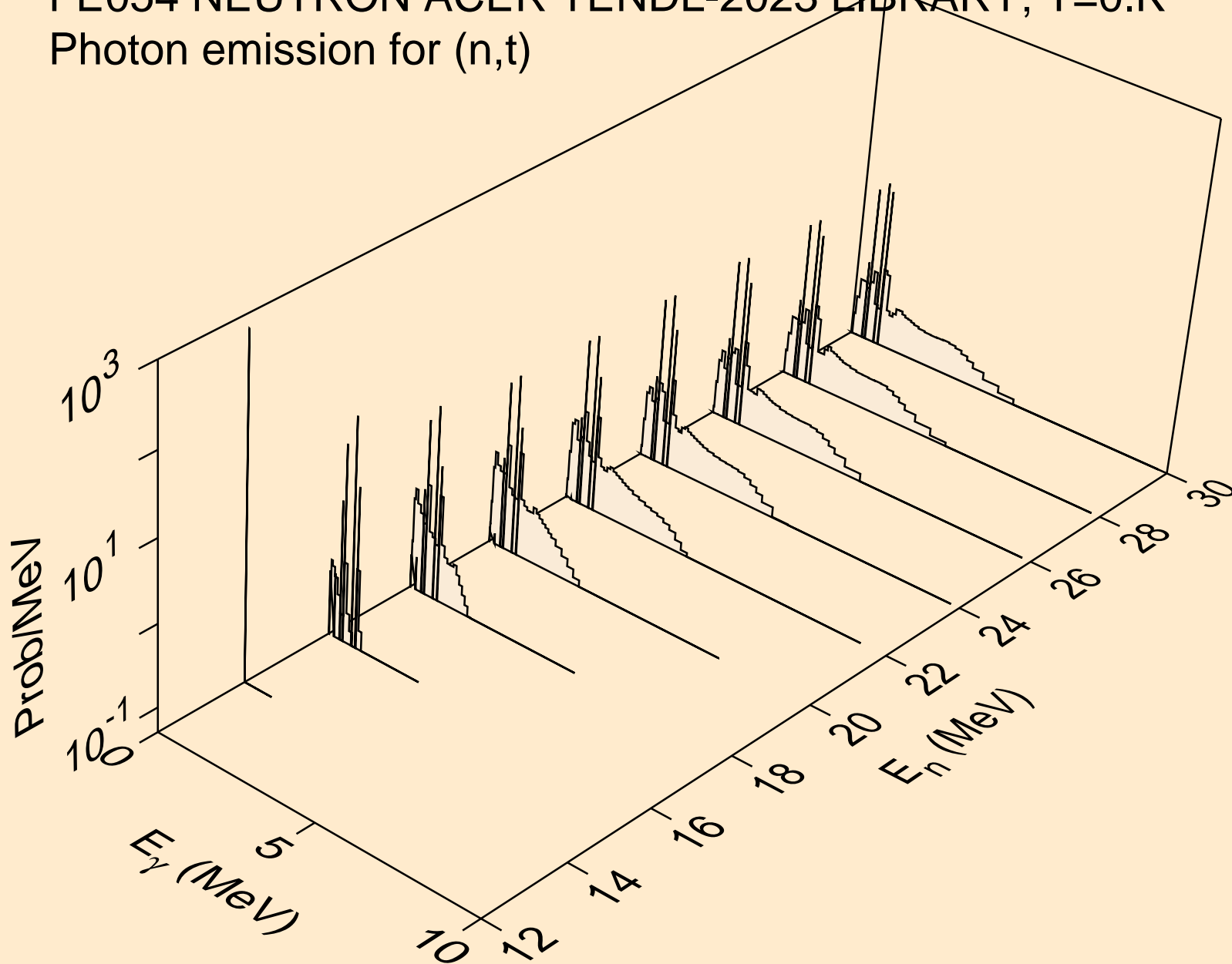




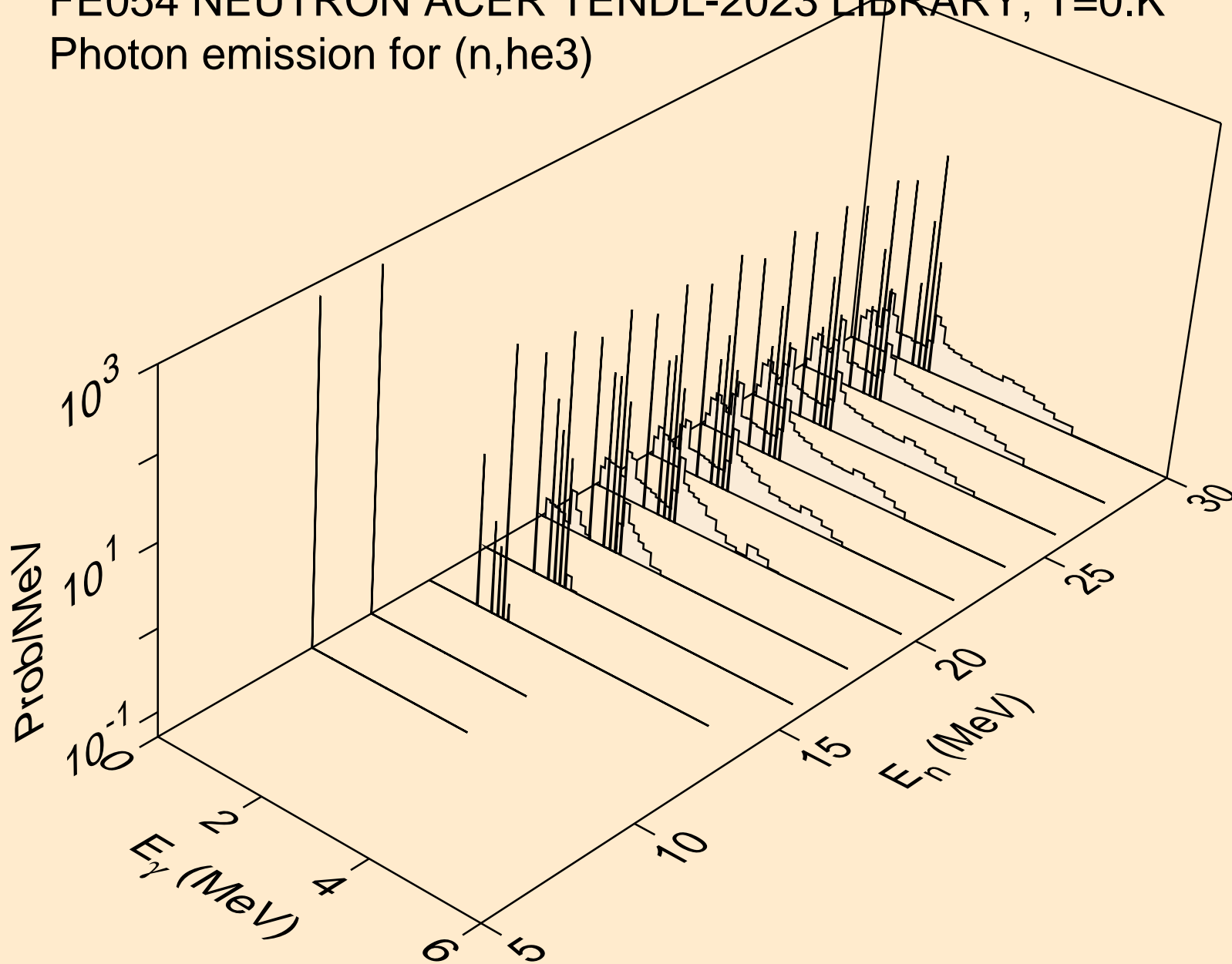
FE054 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)



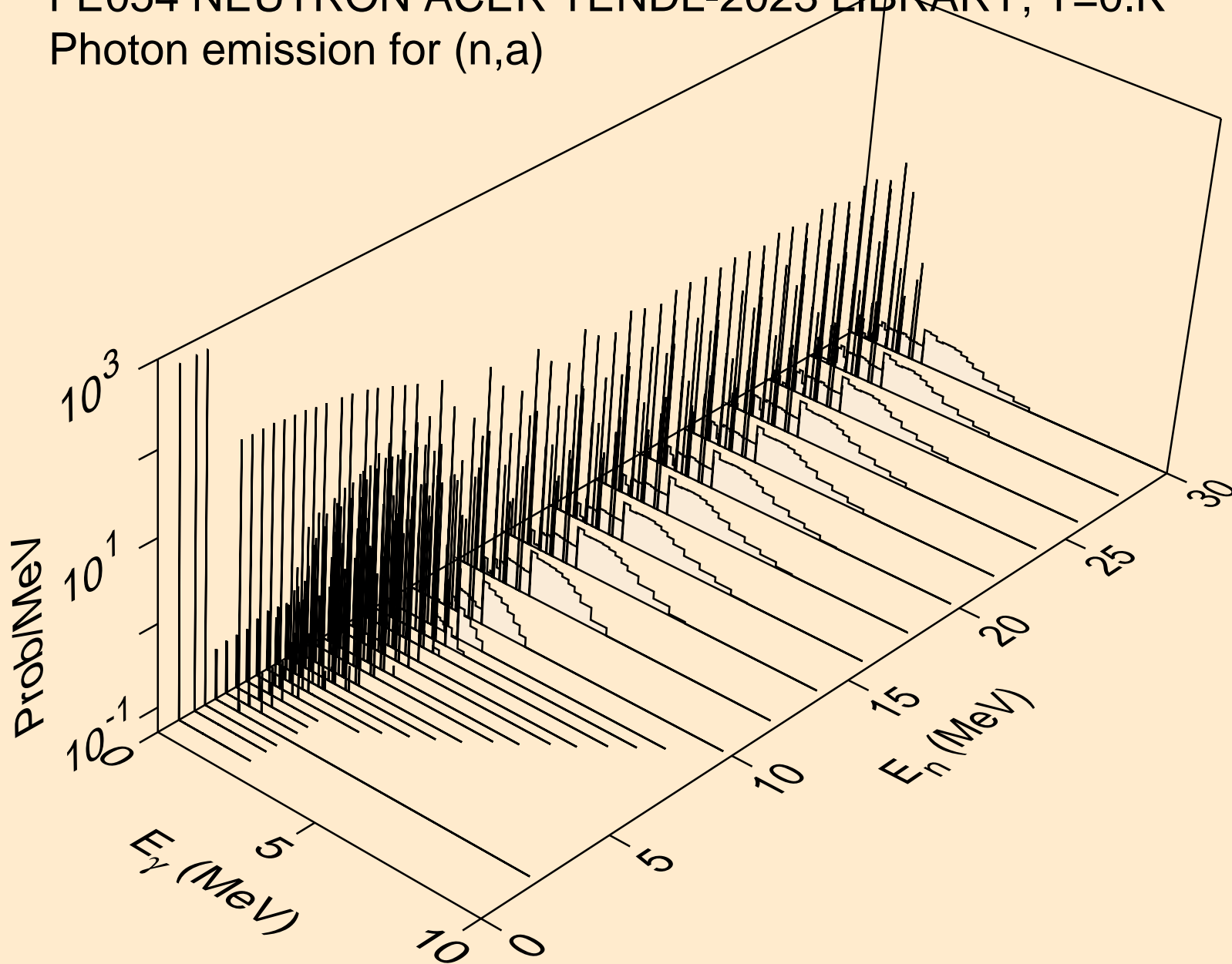
FE054 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)



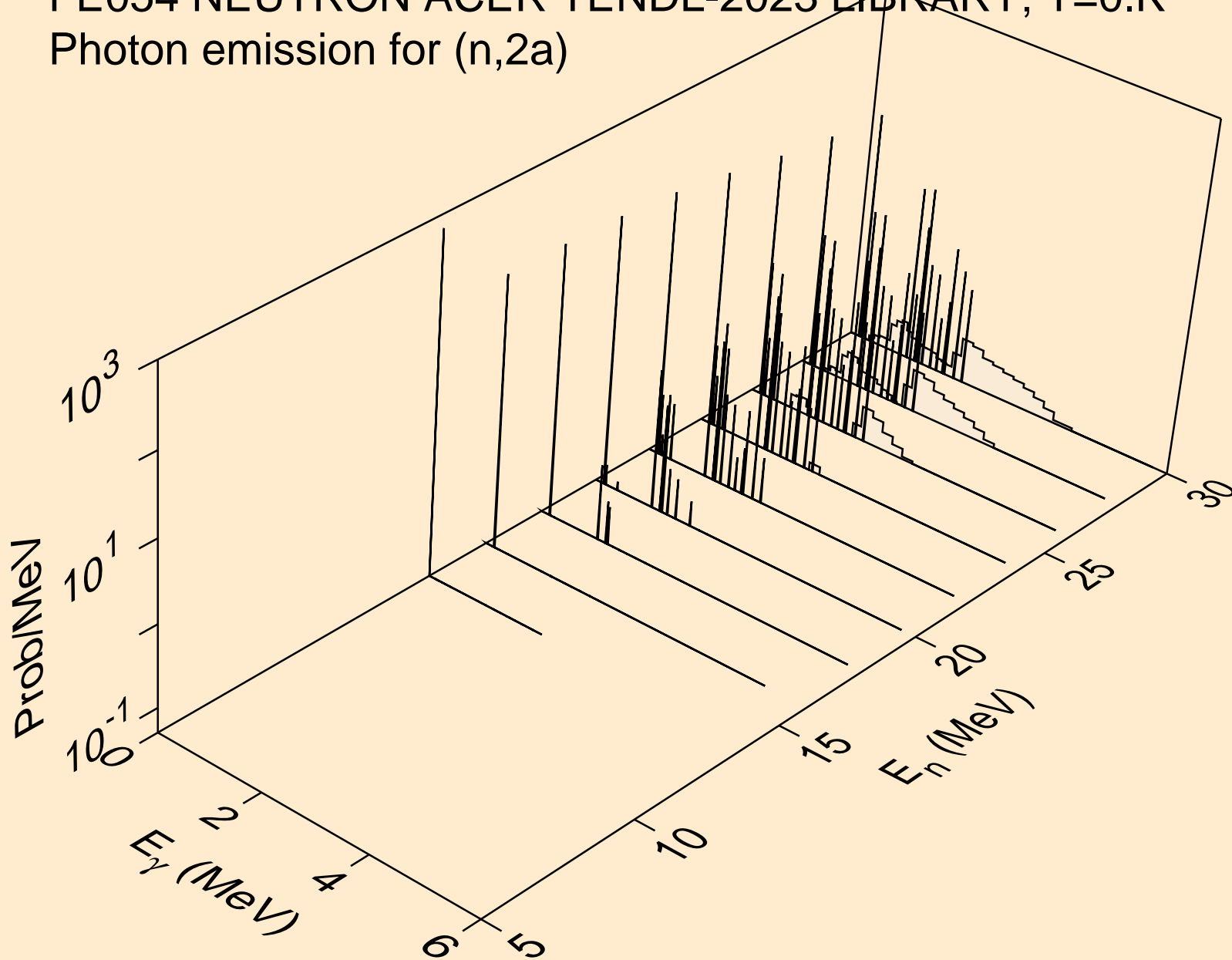
FE054 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)



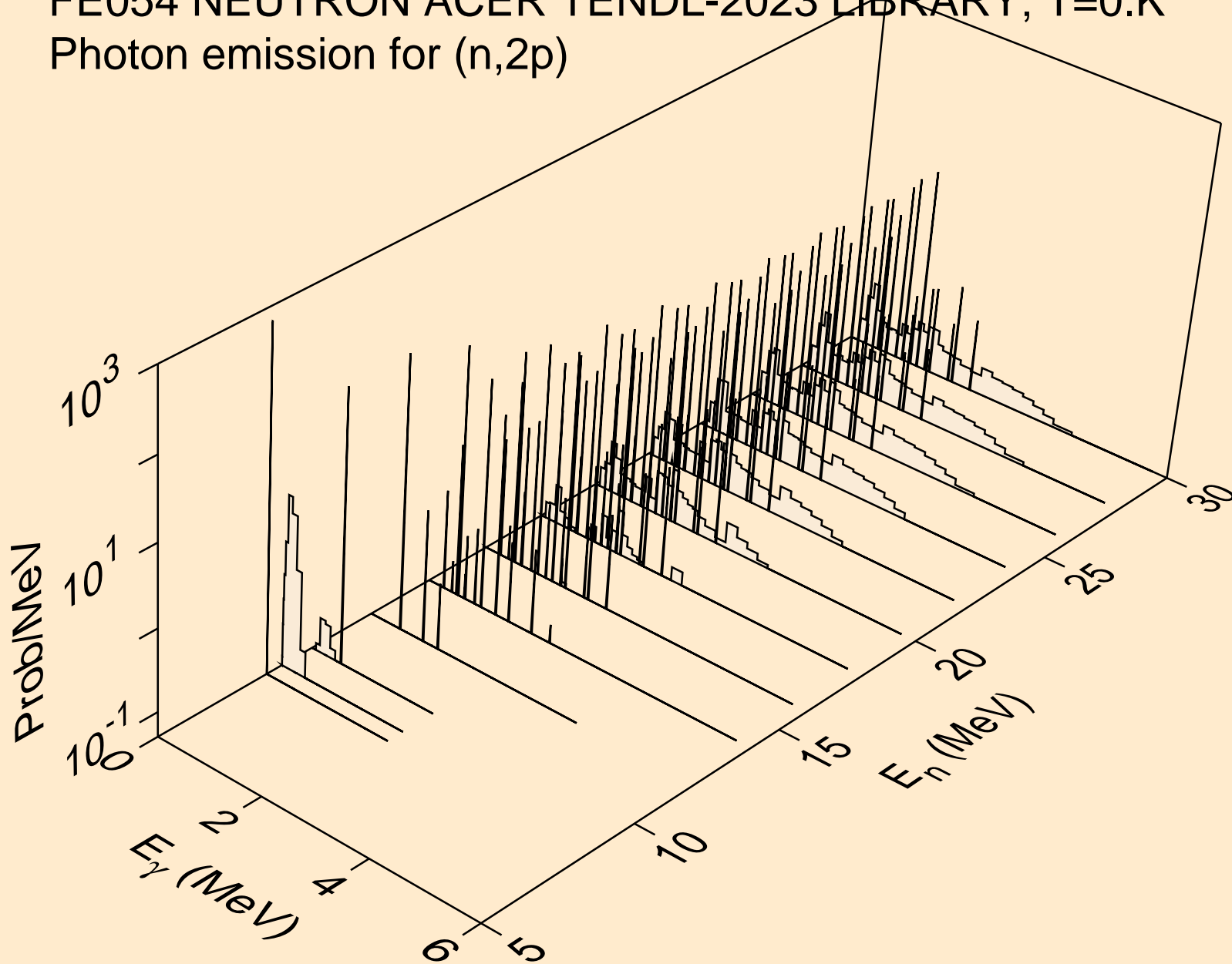
FE054 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)



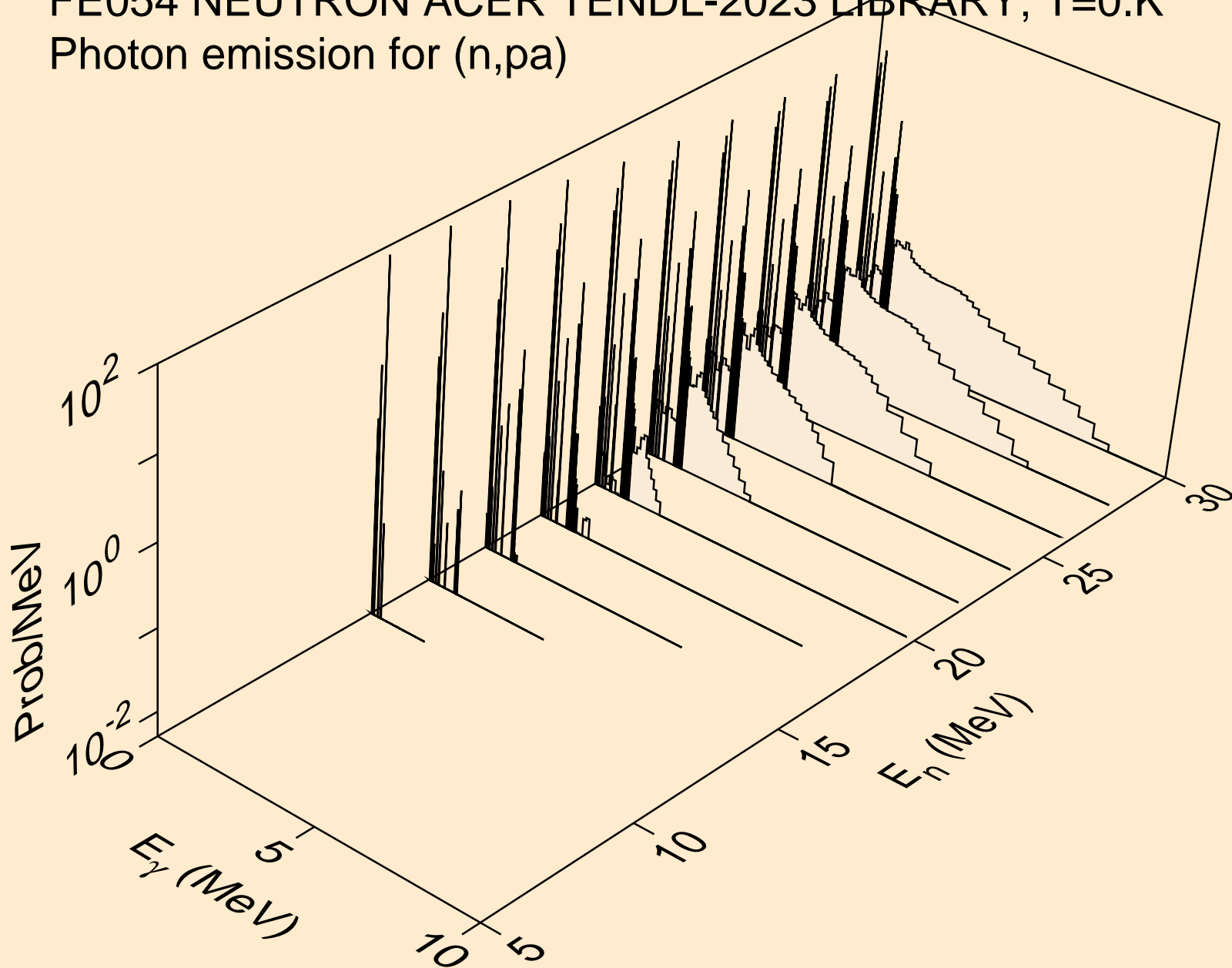
FE054 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2a)



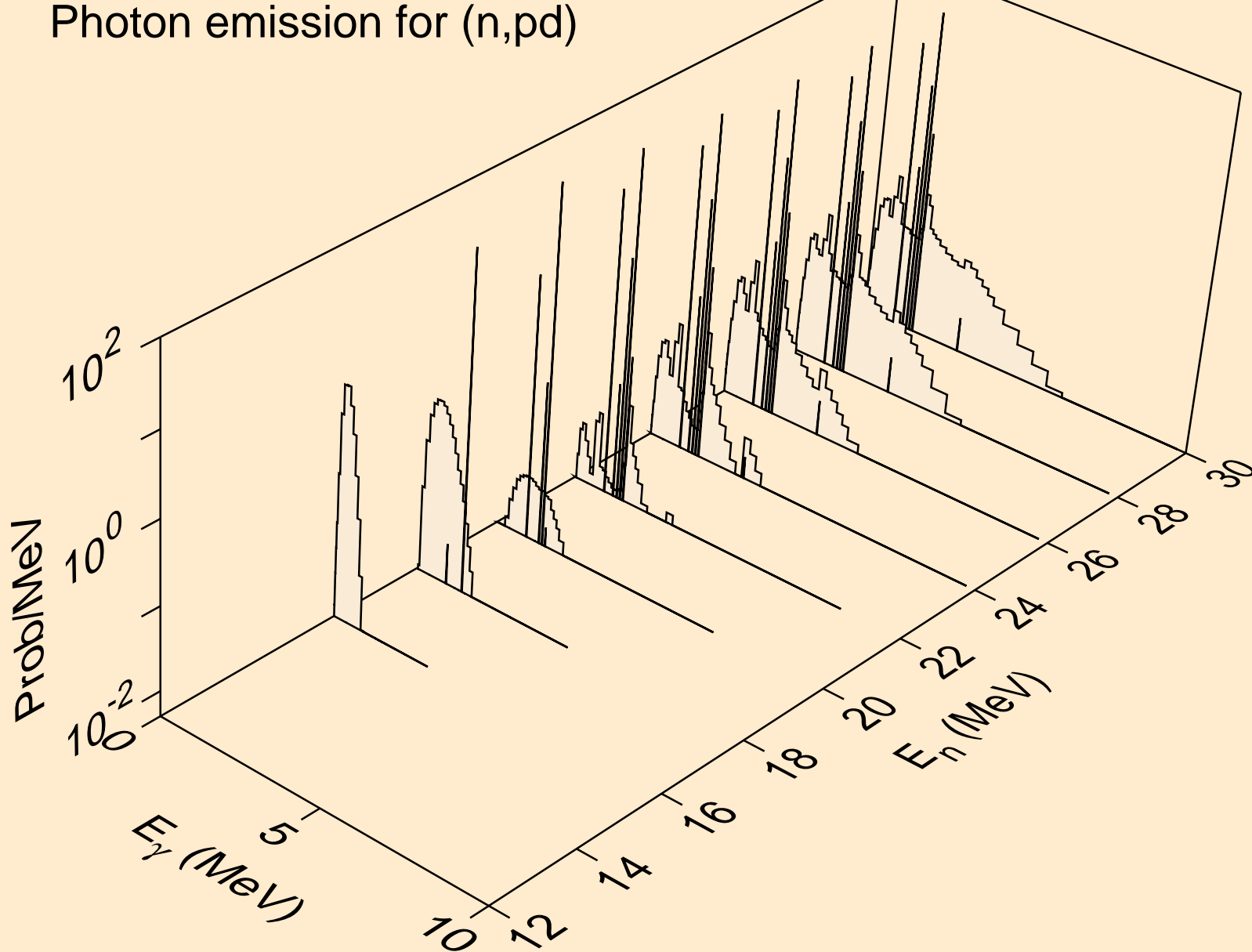
FE054 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)



FE054 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p $\alpha$ )

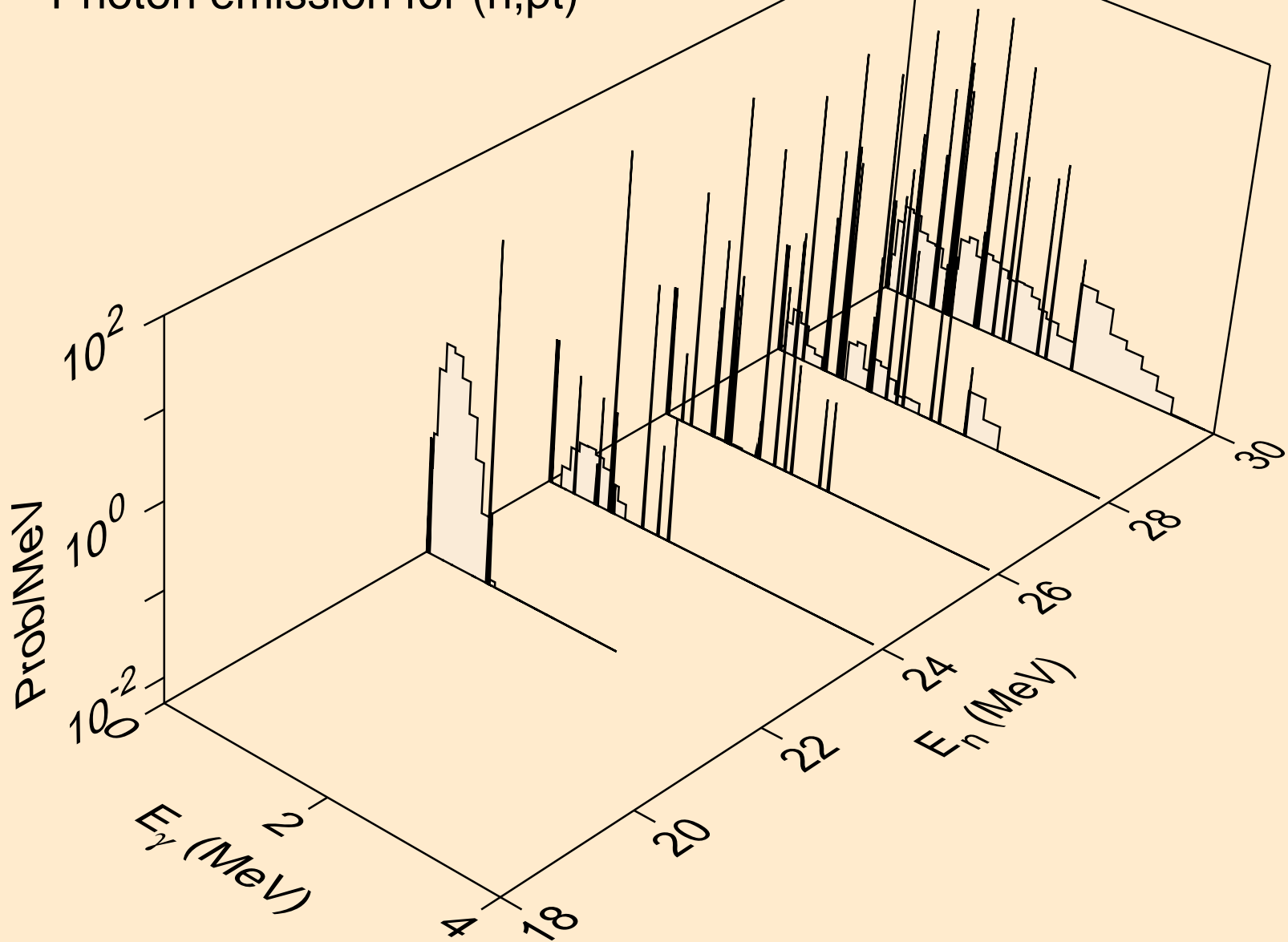


FE054 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)

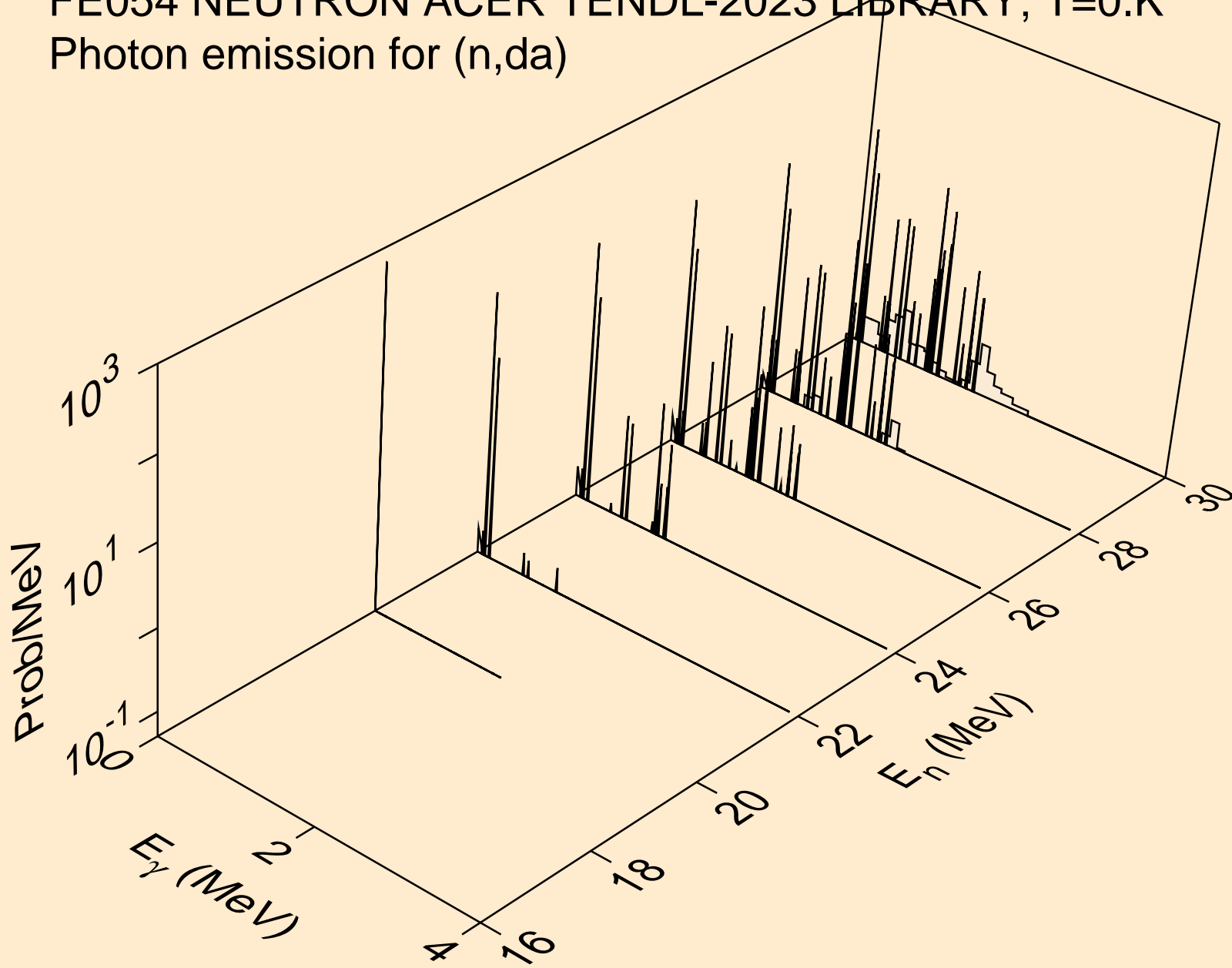




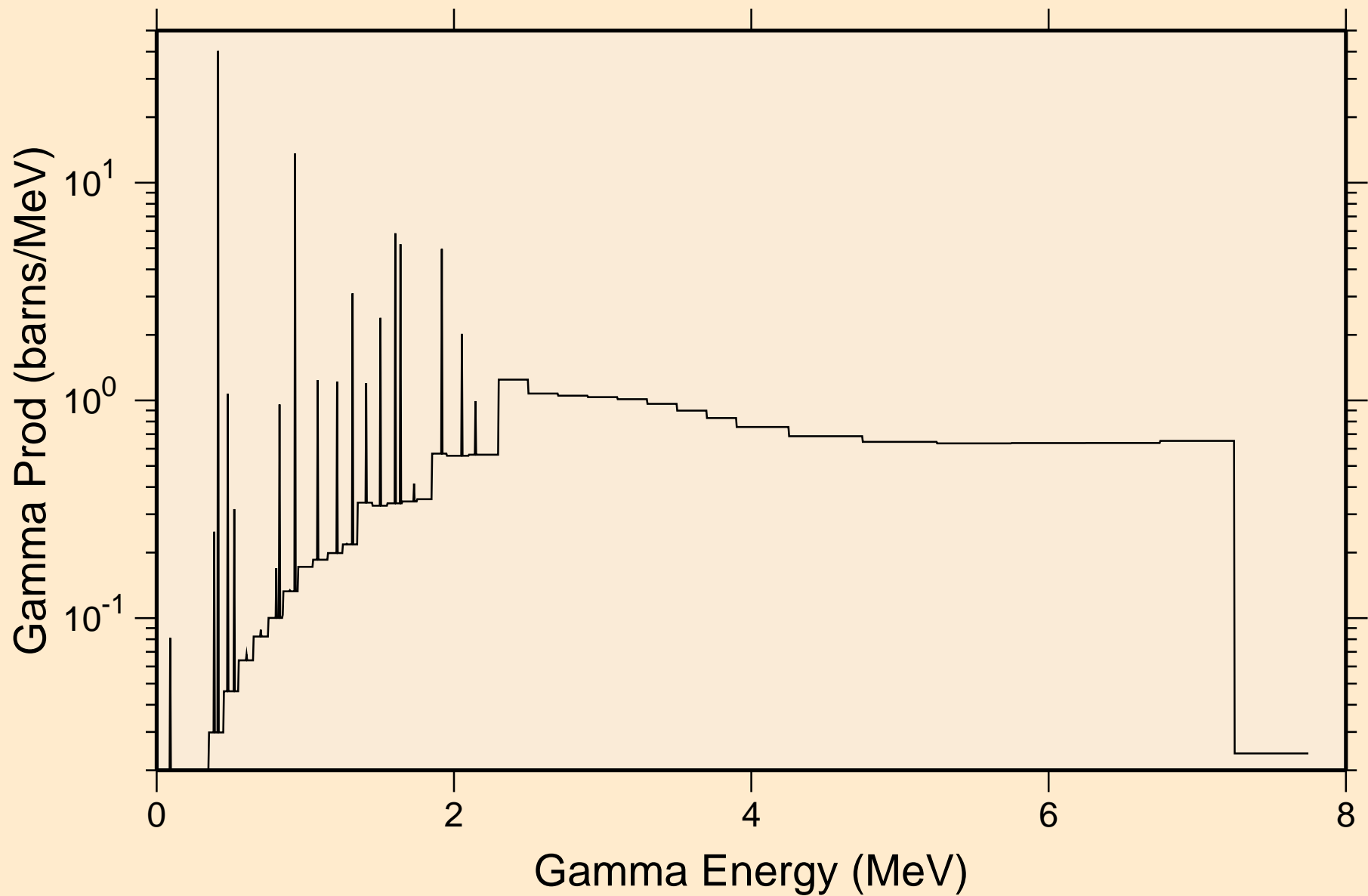
FE054 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)



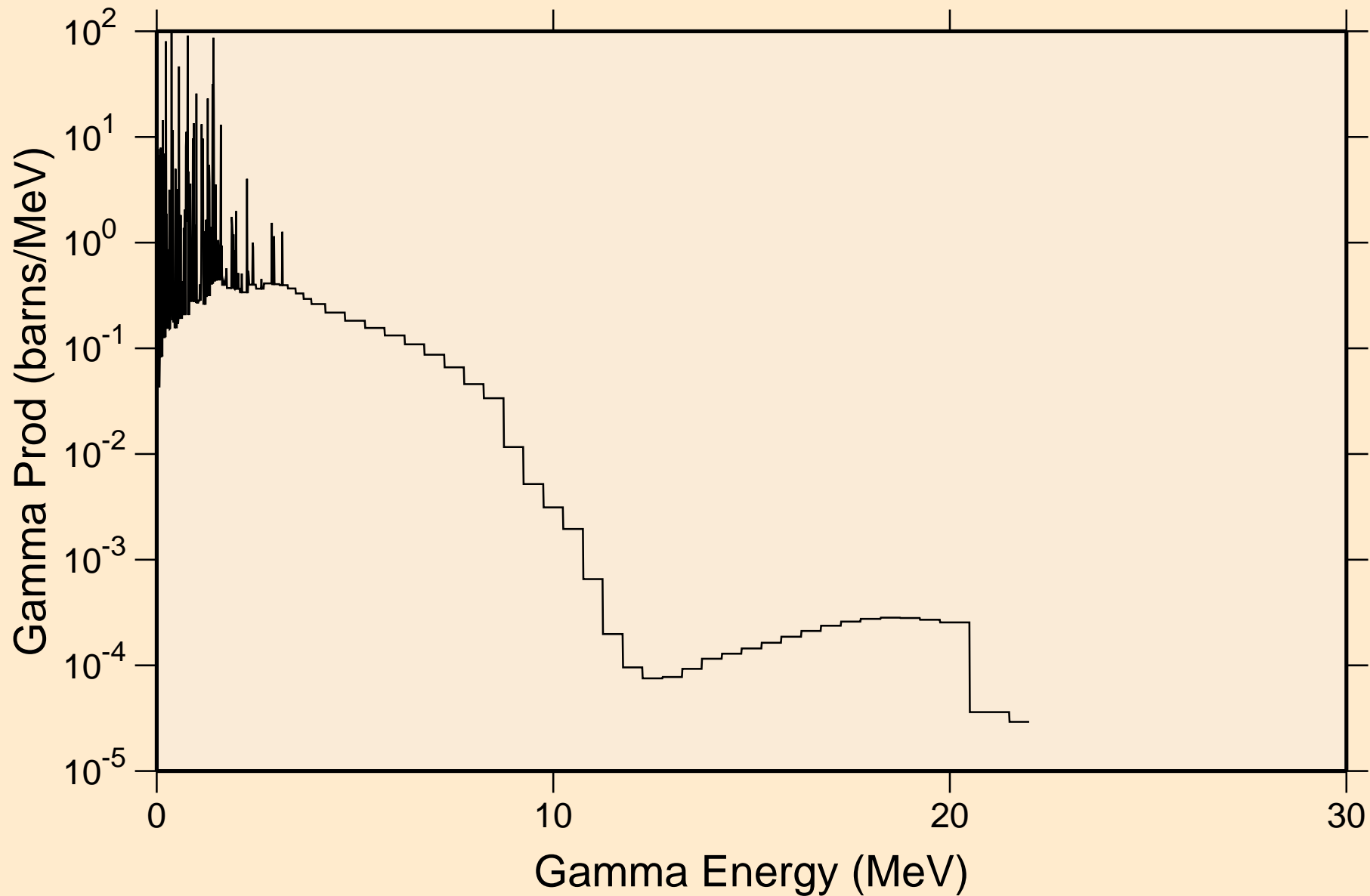
FE054 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)



FE054 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
thermal capture photon spectrum

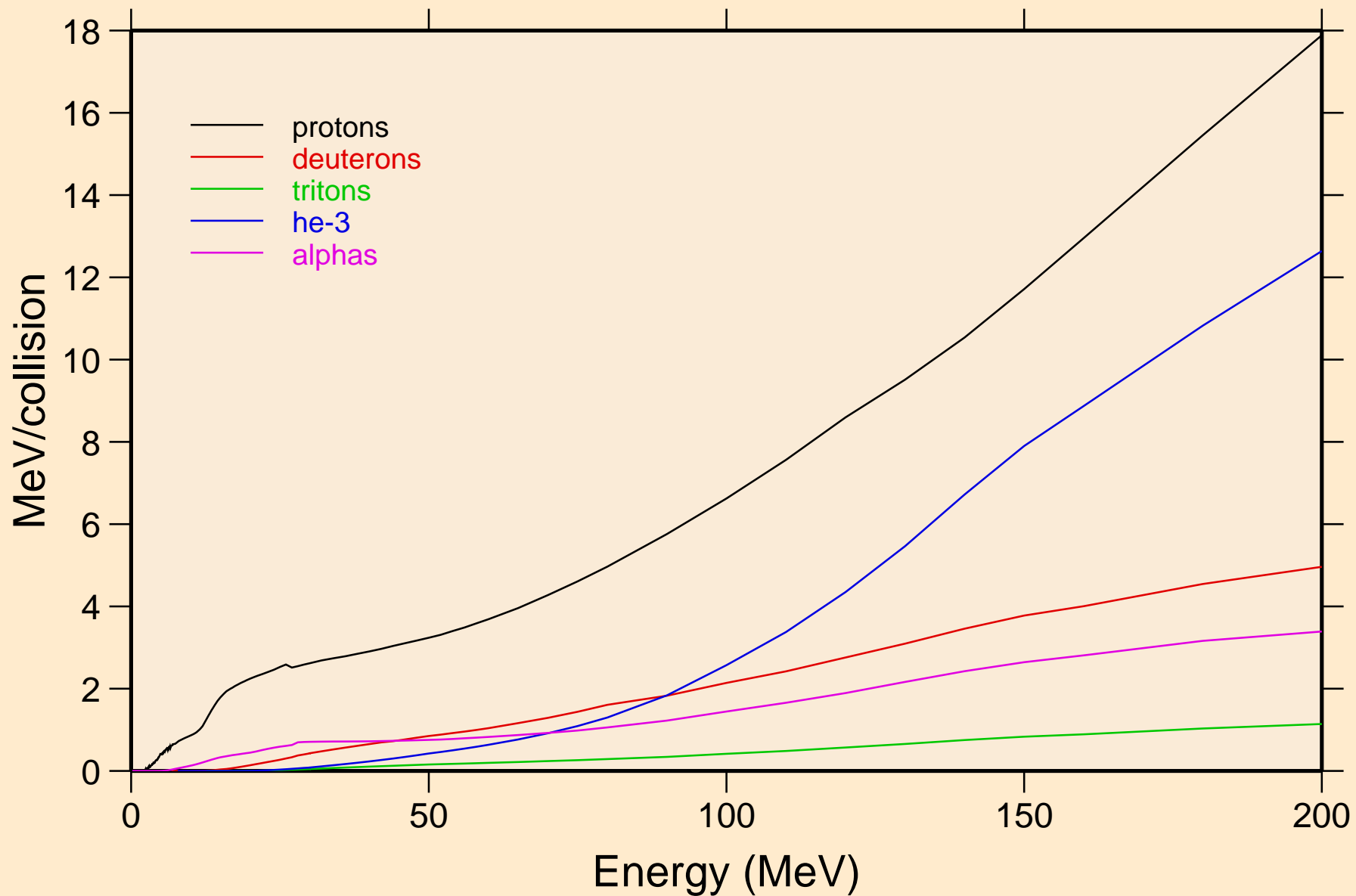


FE054 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
14 MeV photon spectrum

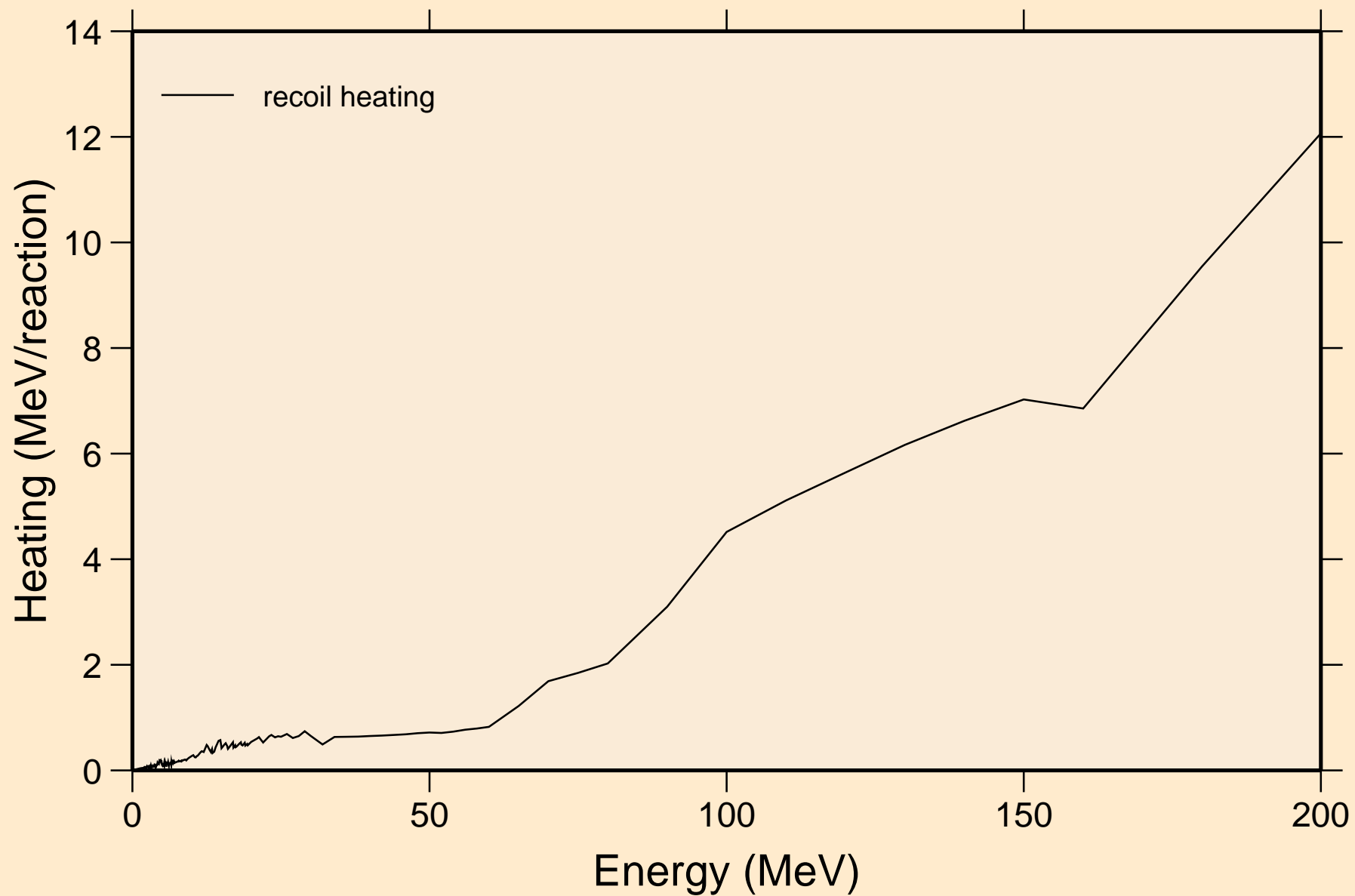


# FE054 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Particle heating contributions

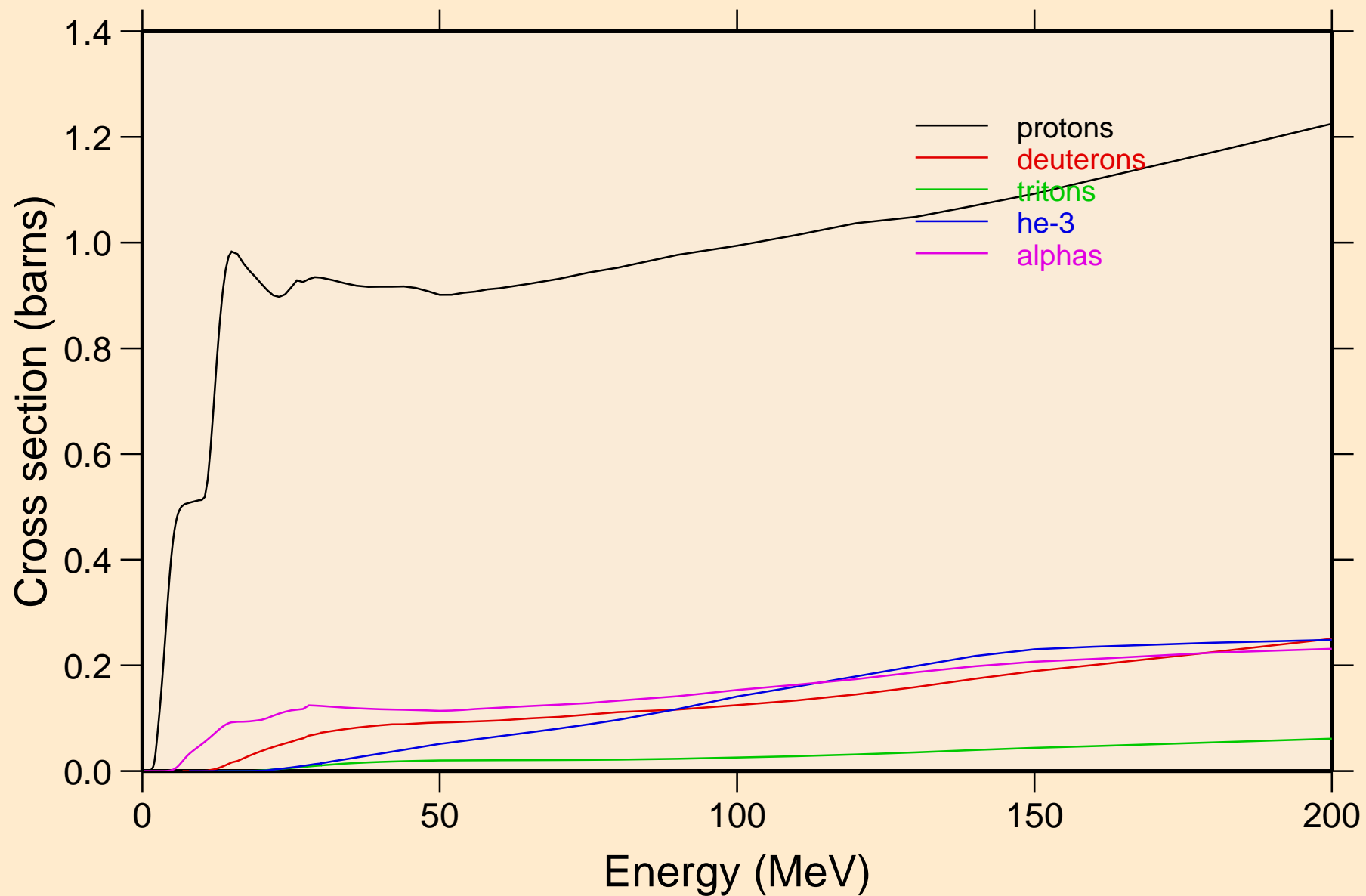


FE054 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating

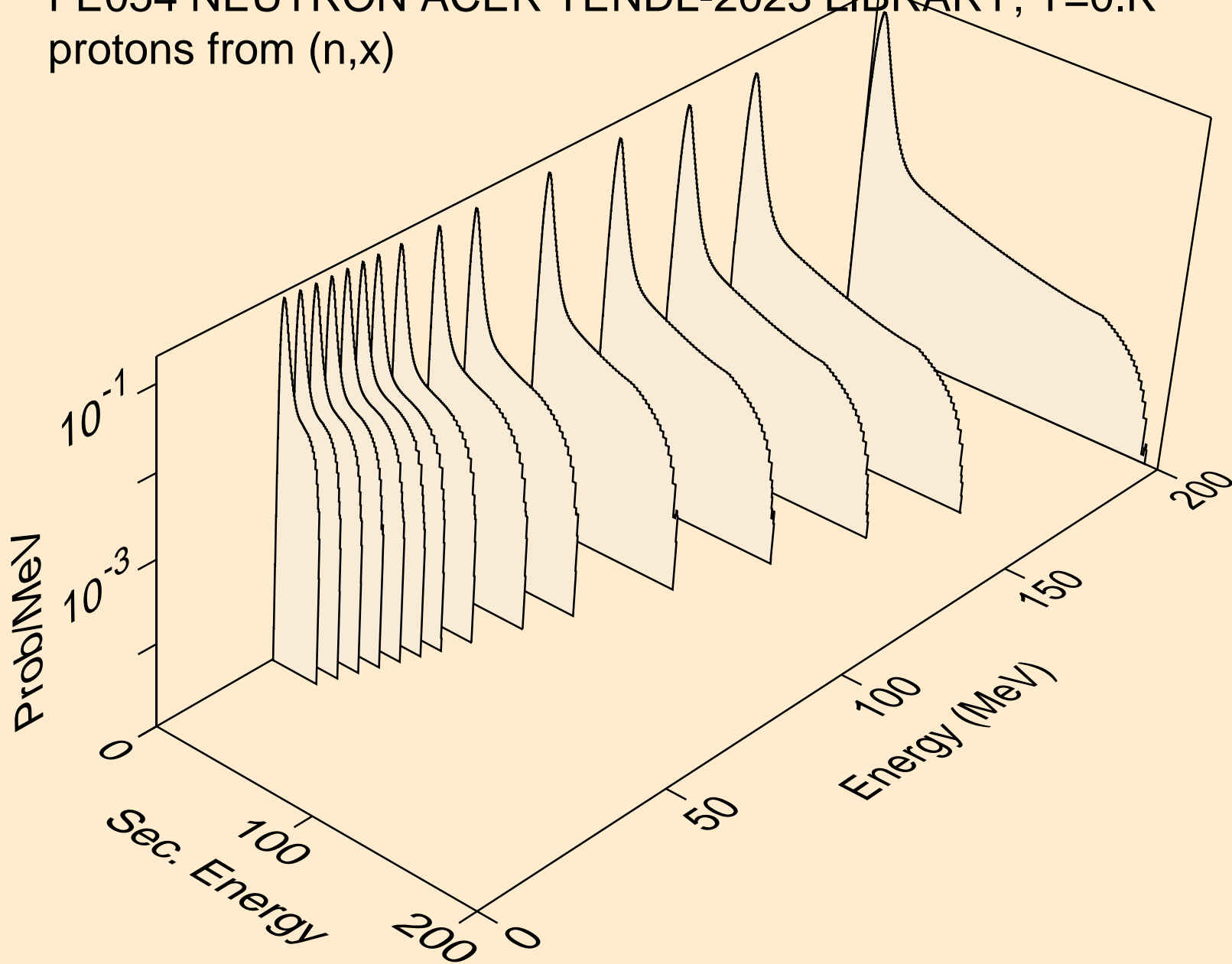


# FE054 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Particle production cross sections

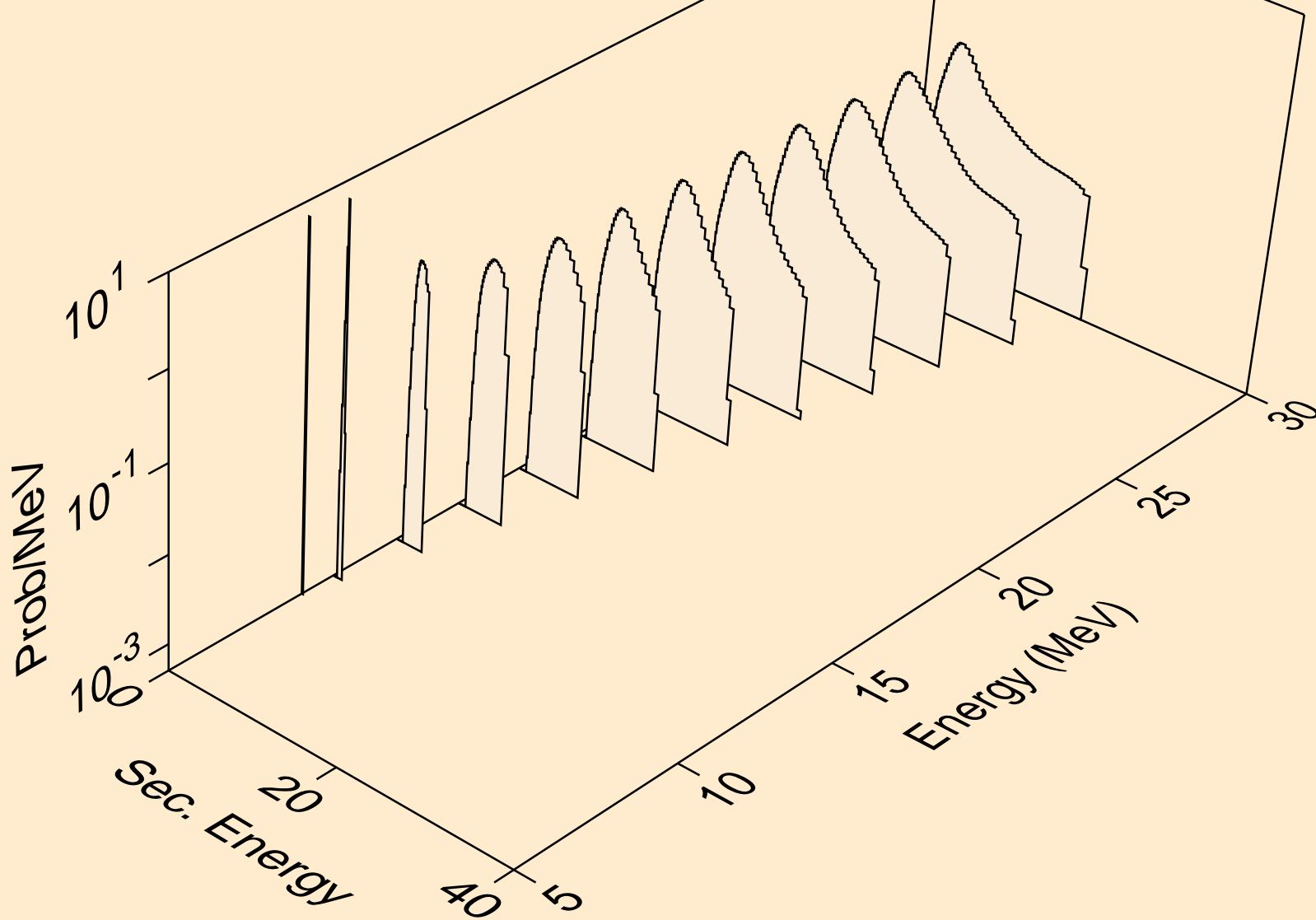


FE054 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,x)

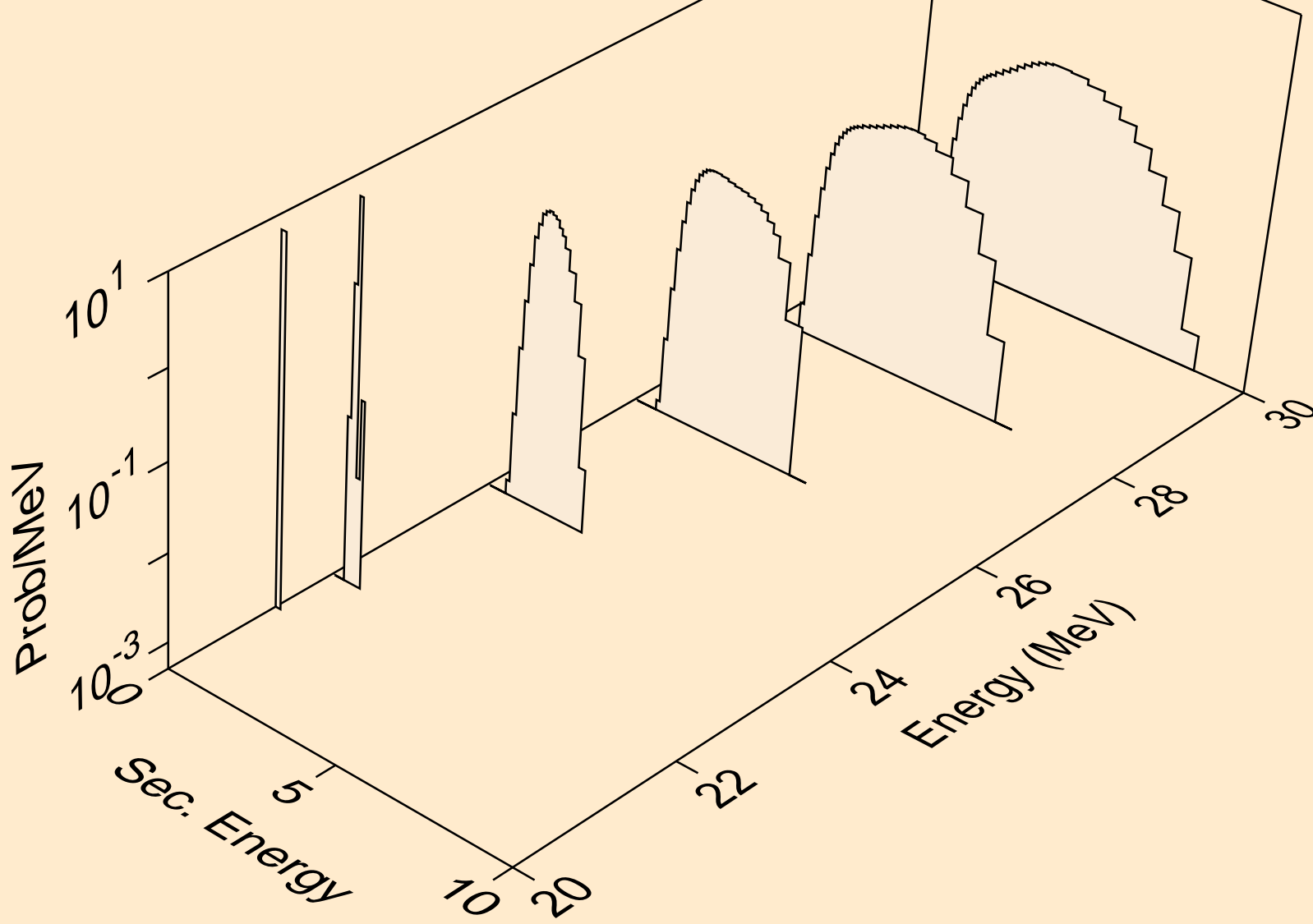




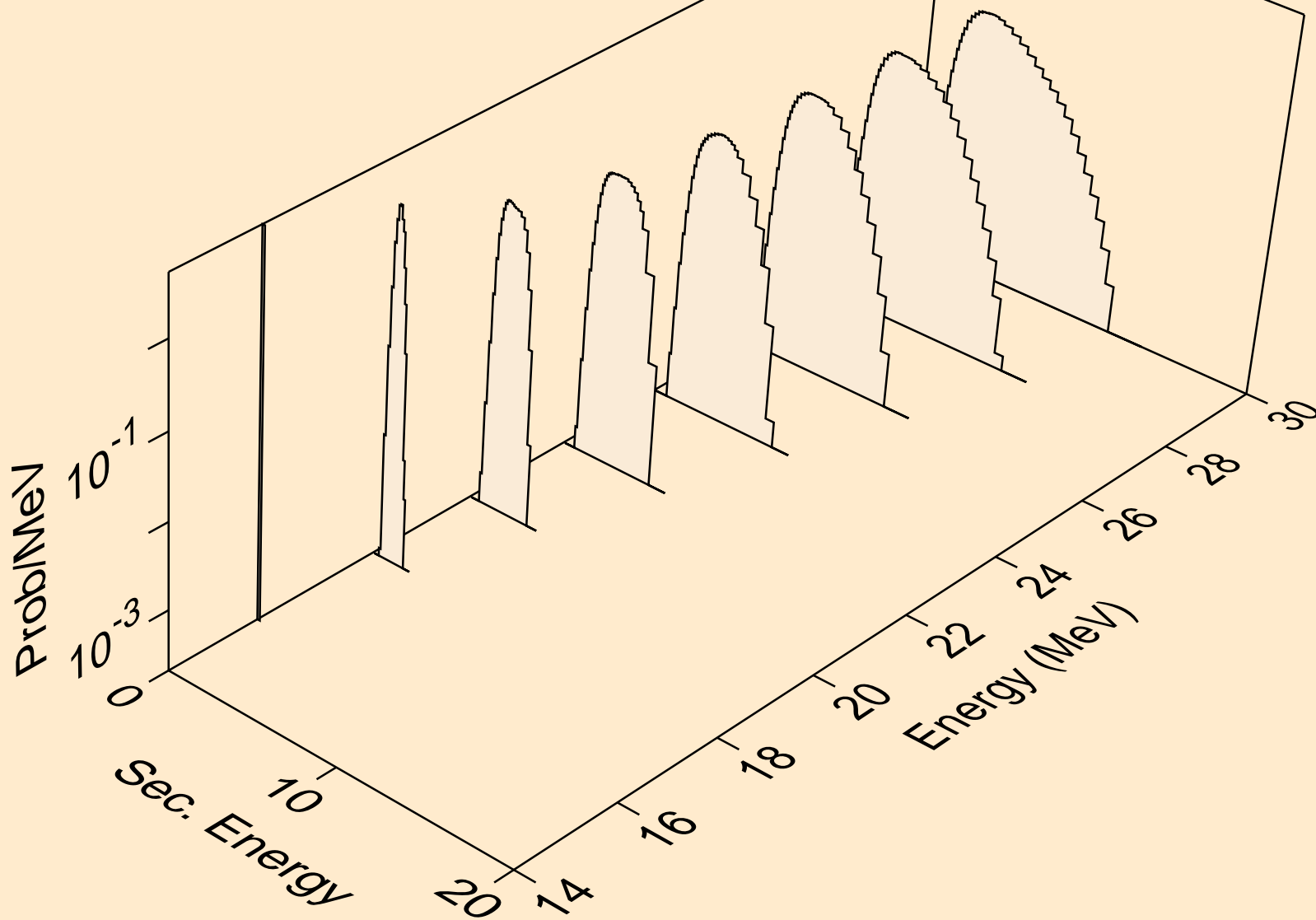
FE054 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n\*)p



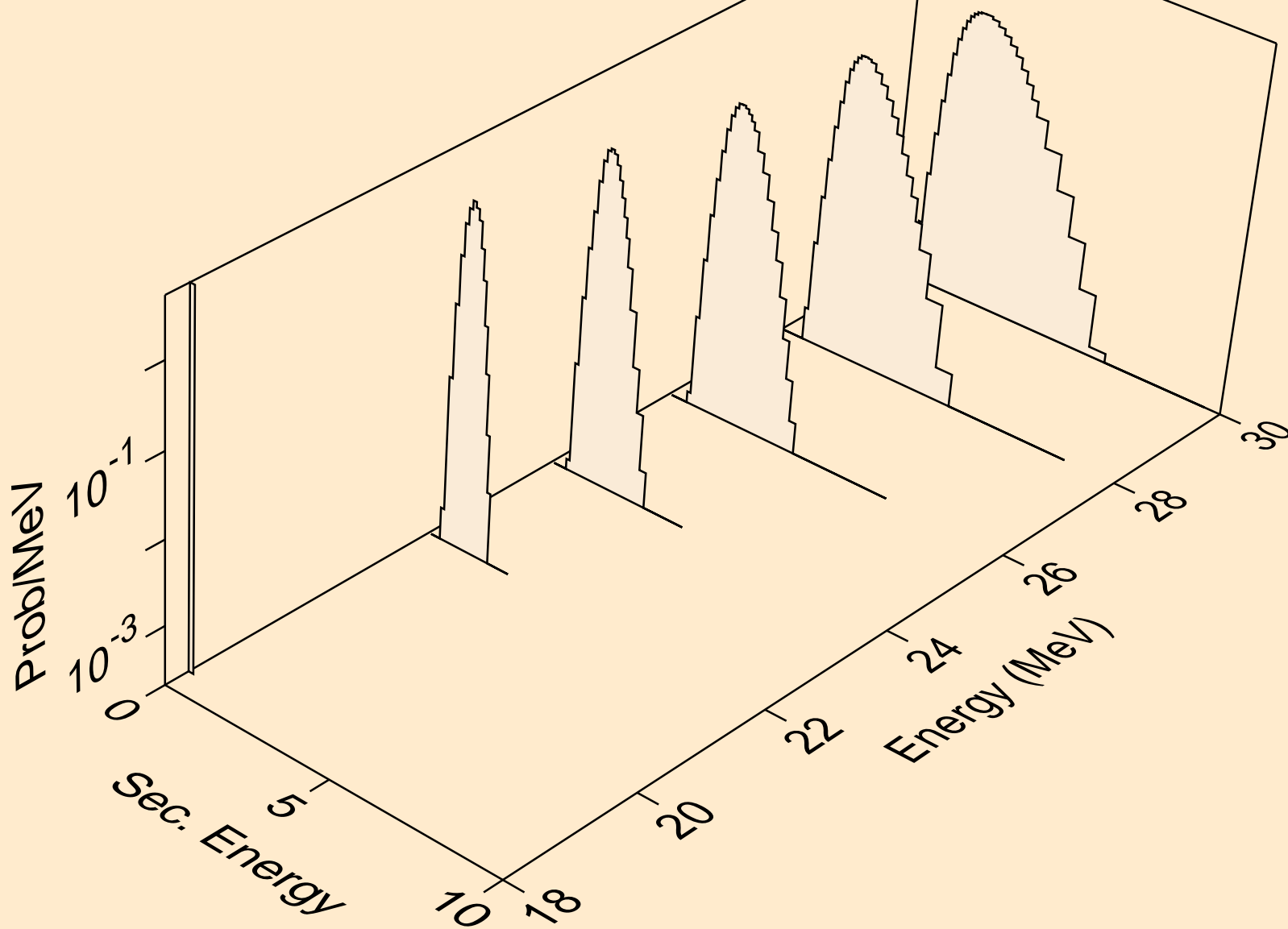
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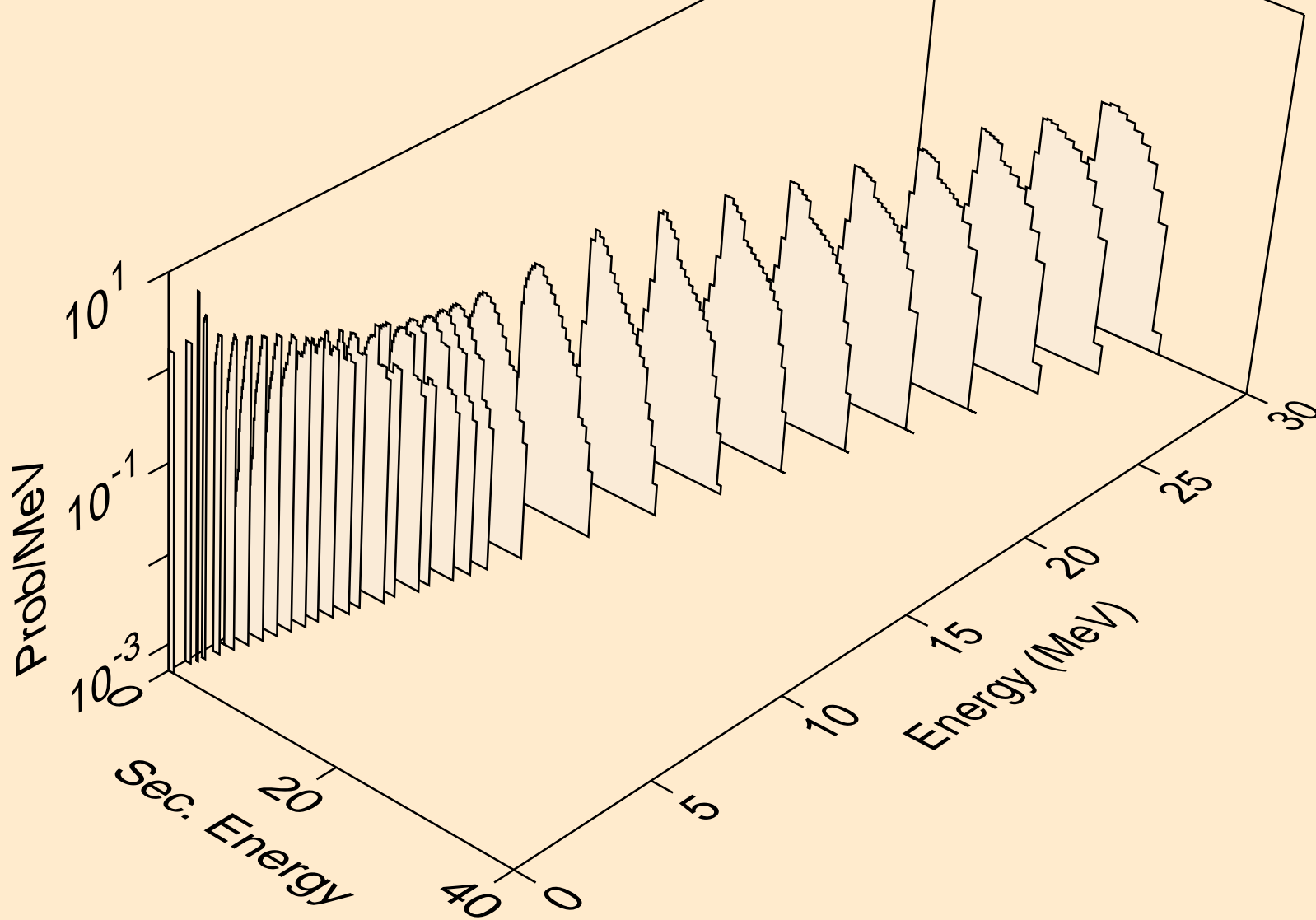
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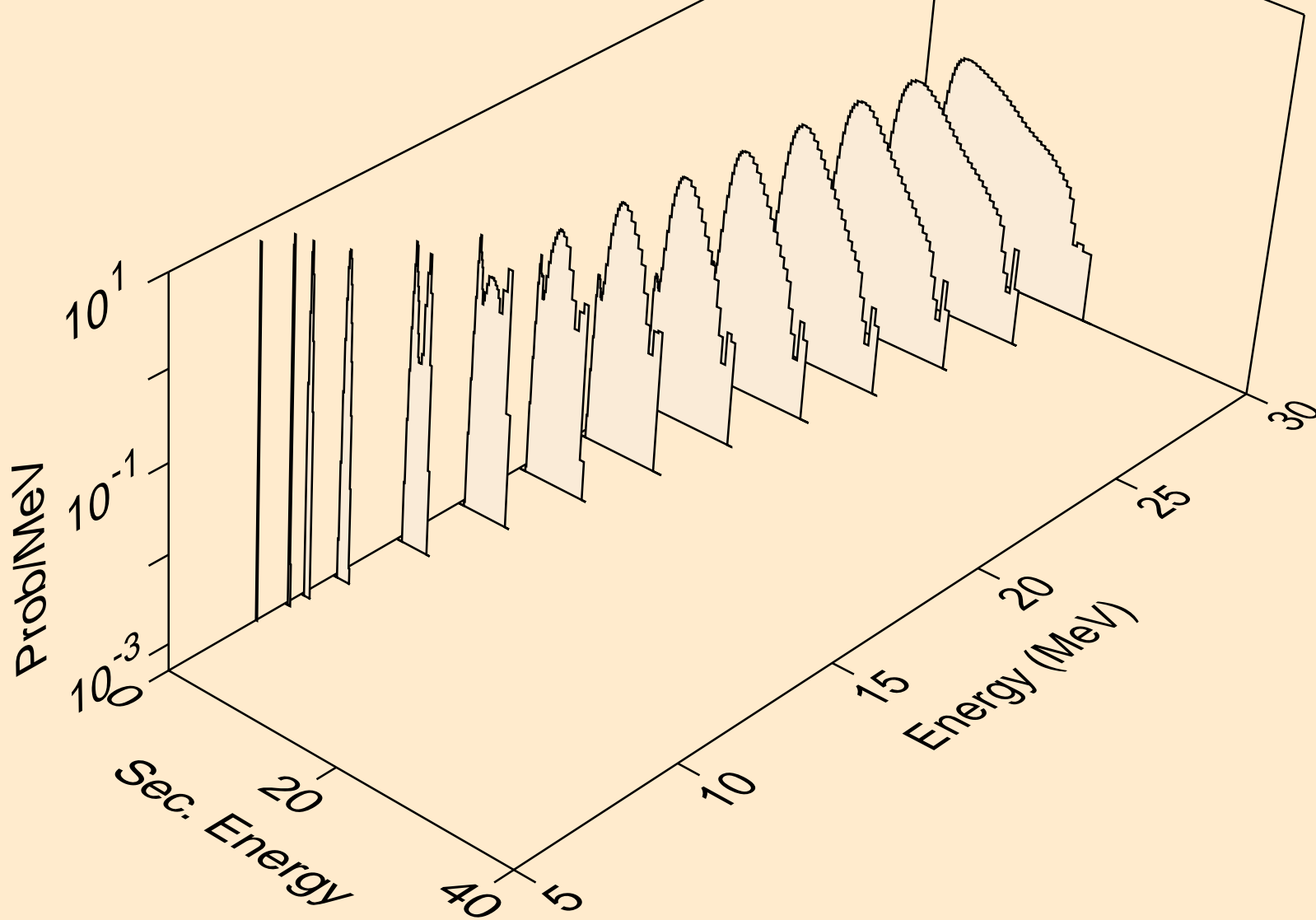
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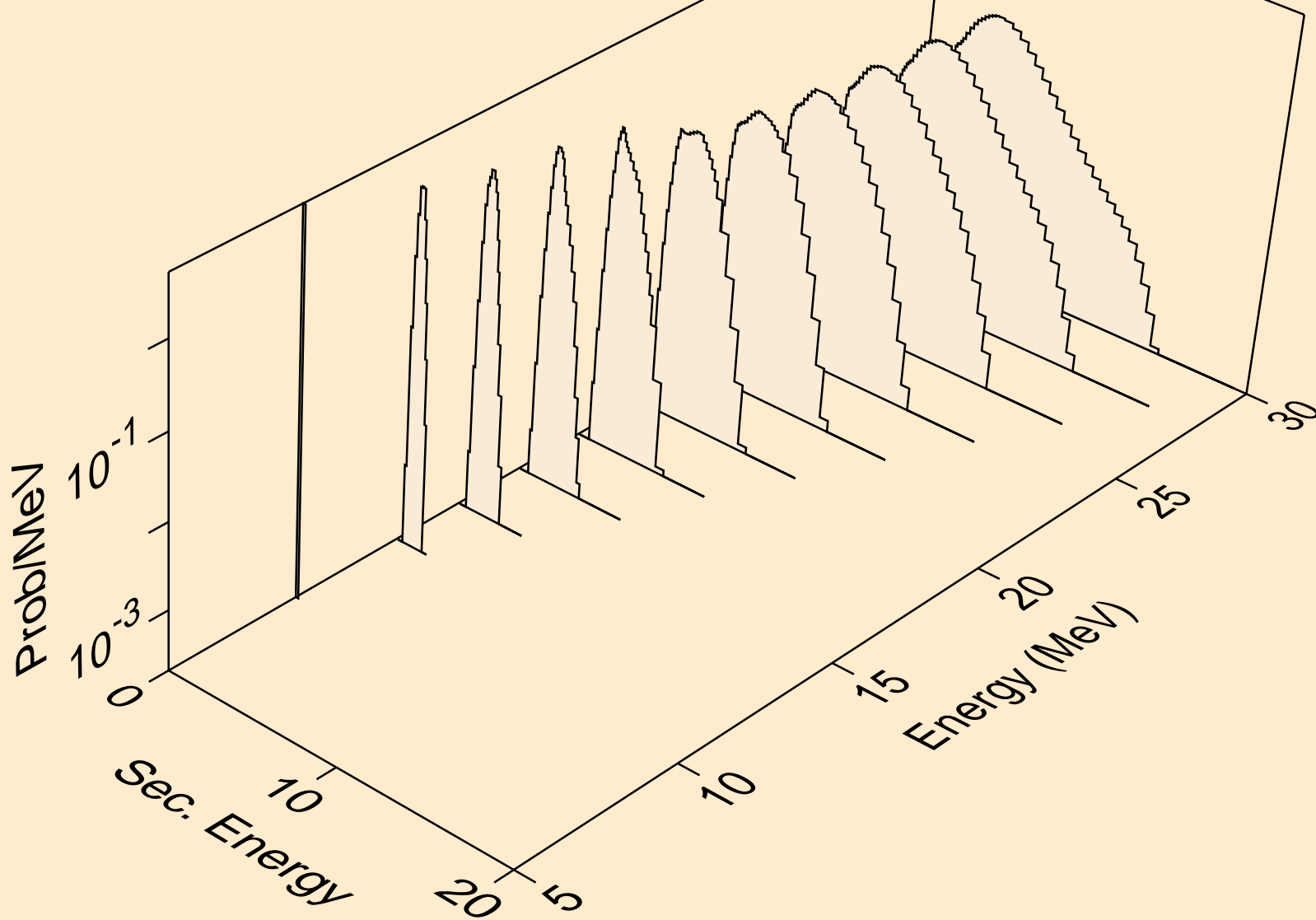
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protons from (n,p)



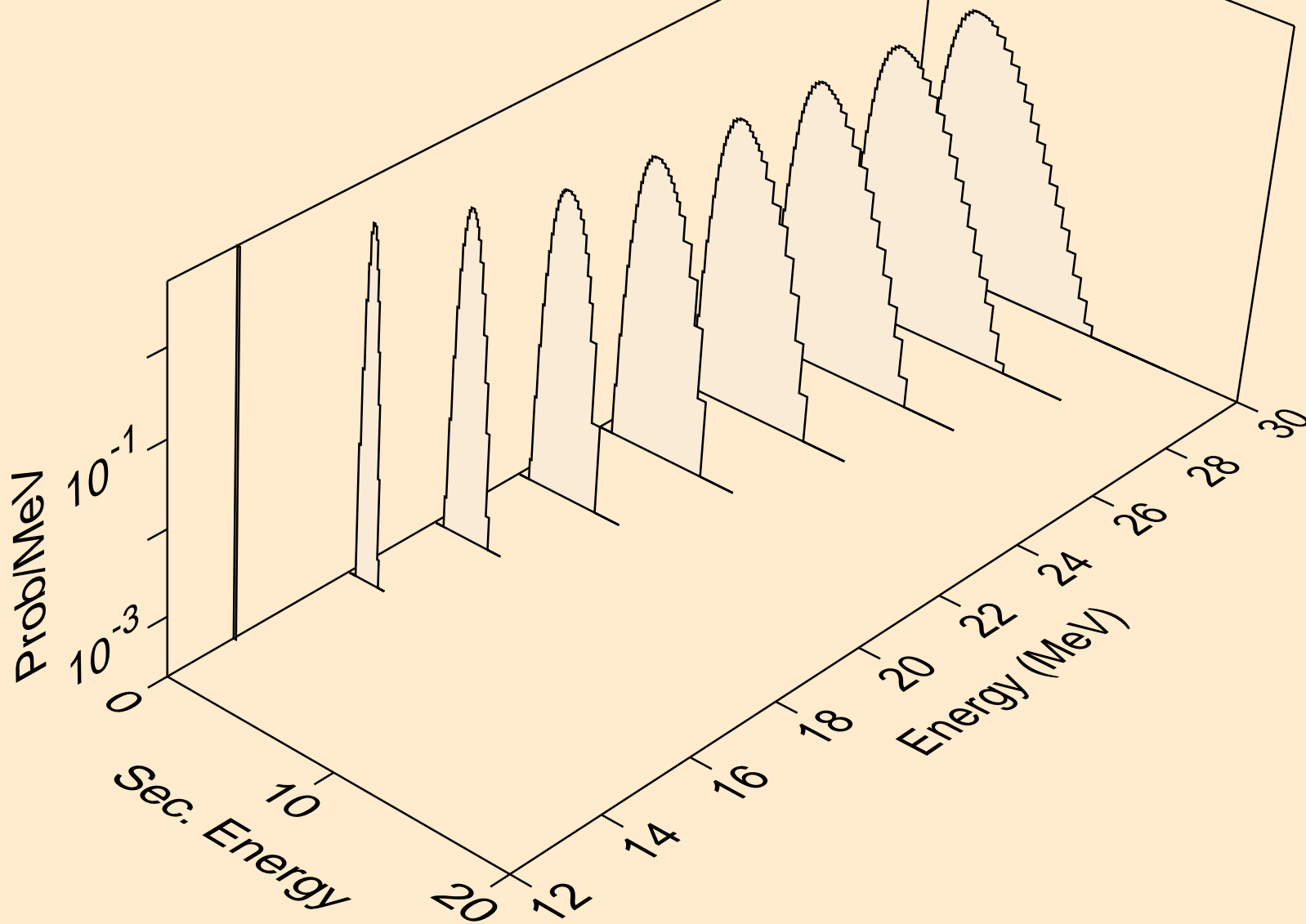
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protons from (n,2p)



FE054 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,p)

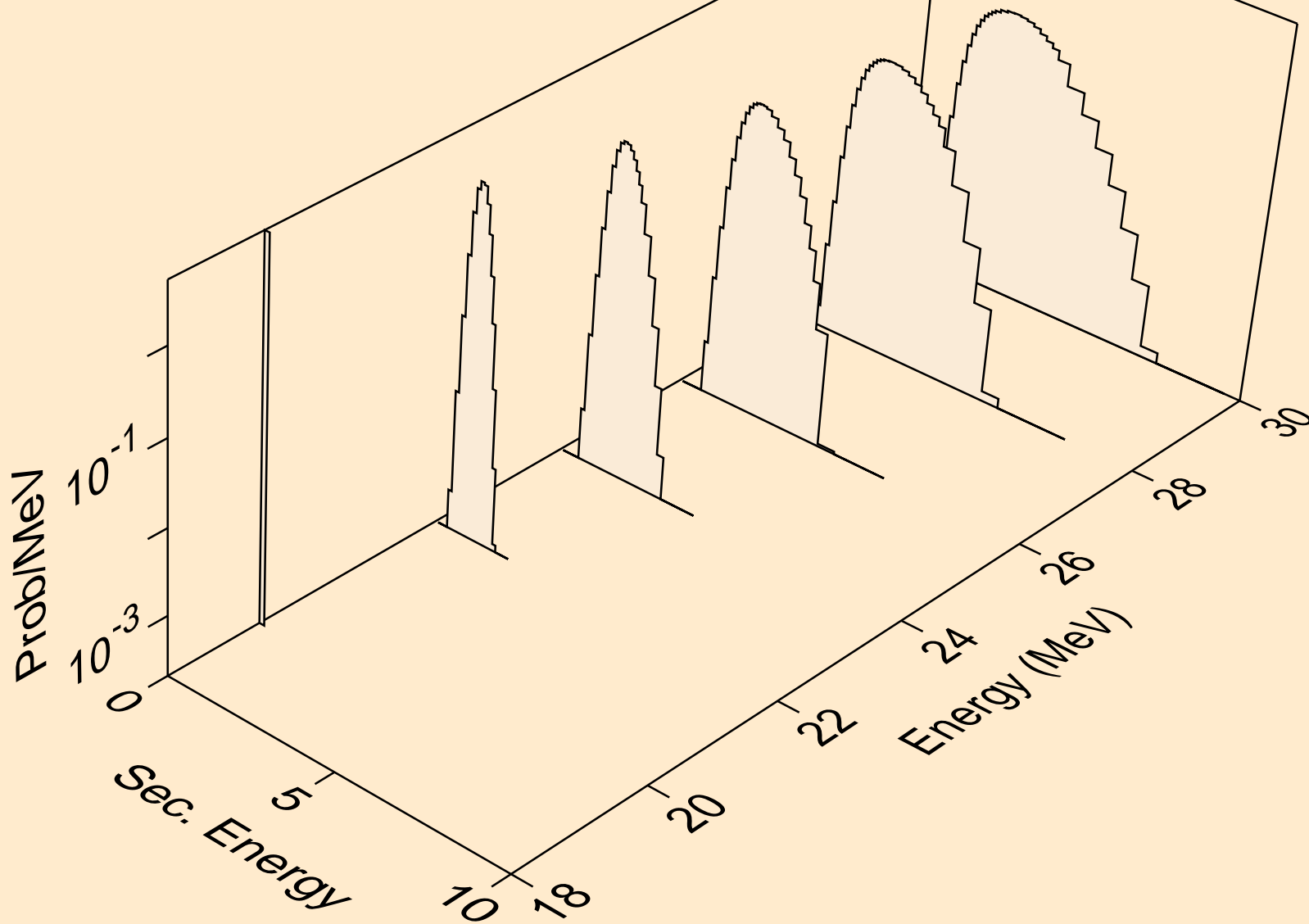


FE054 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,pd)

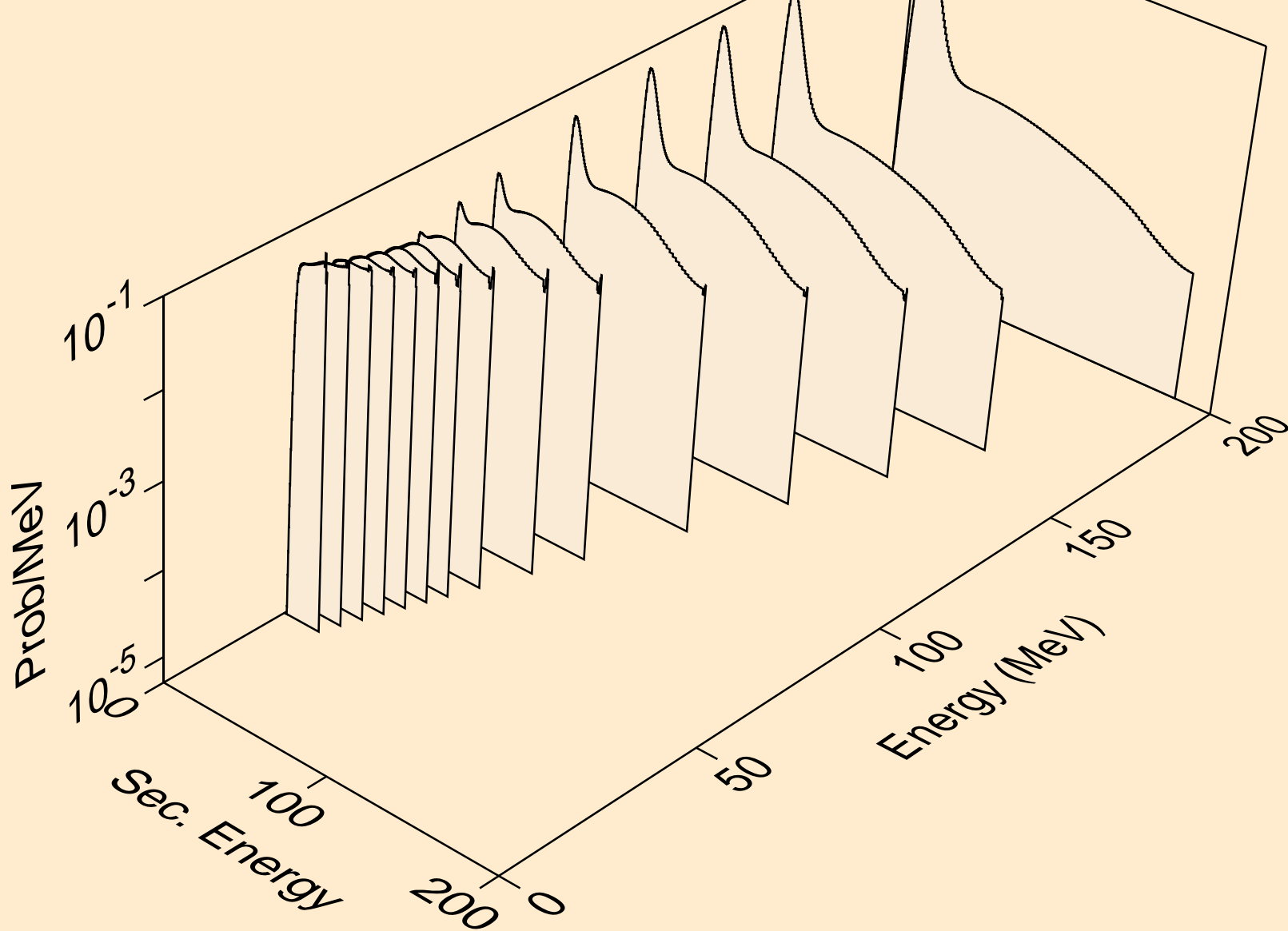




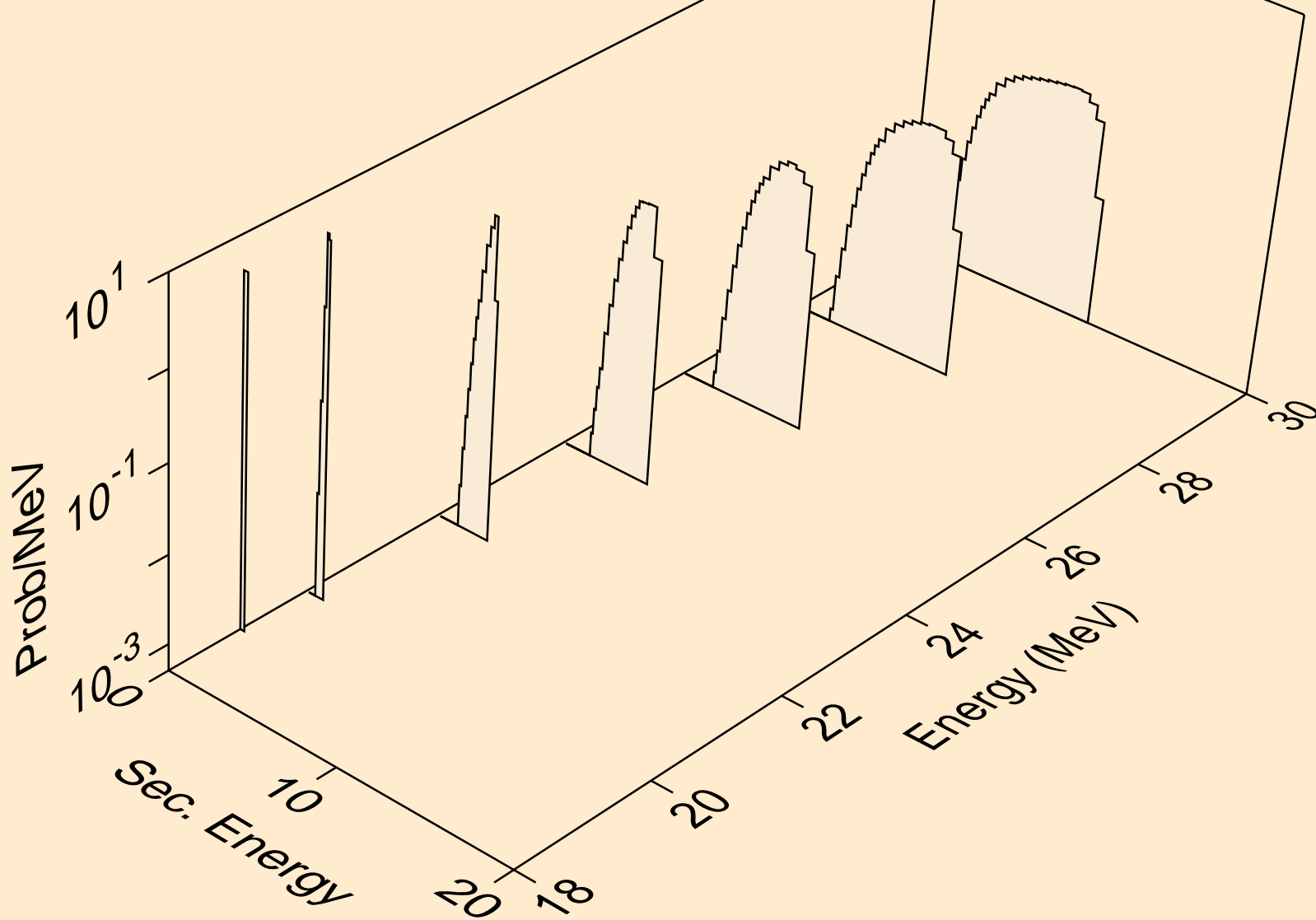
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protons from (n,pt)



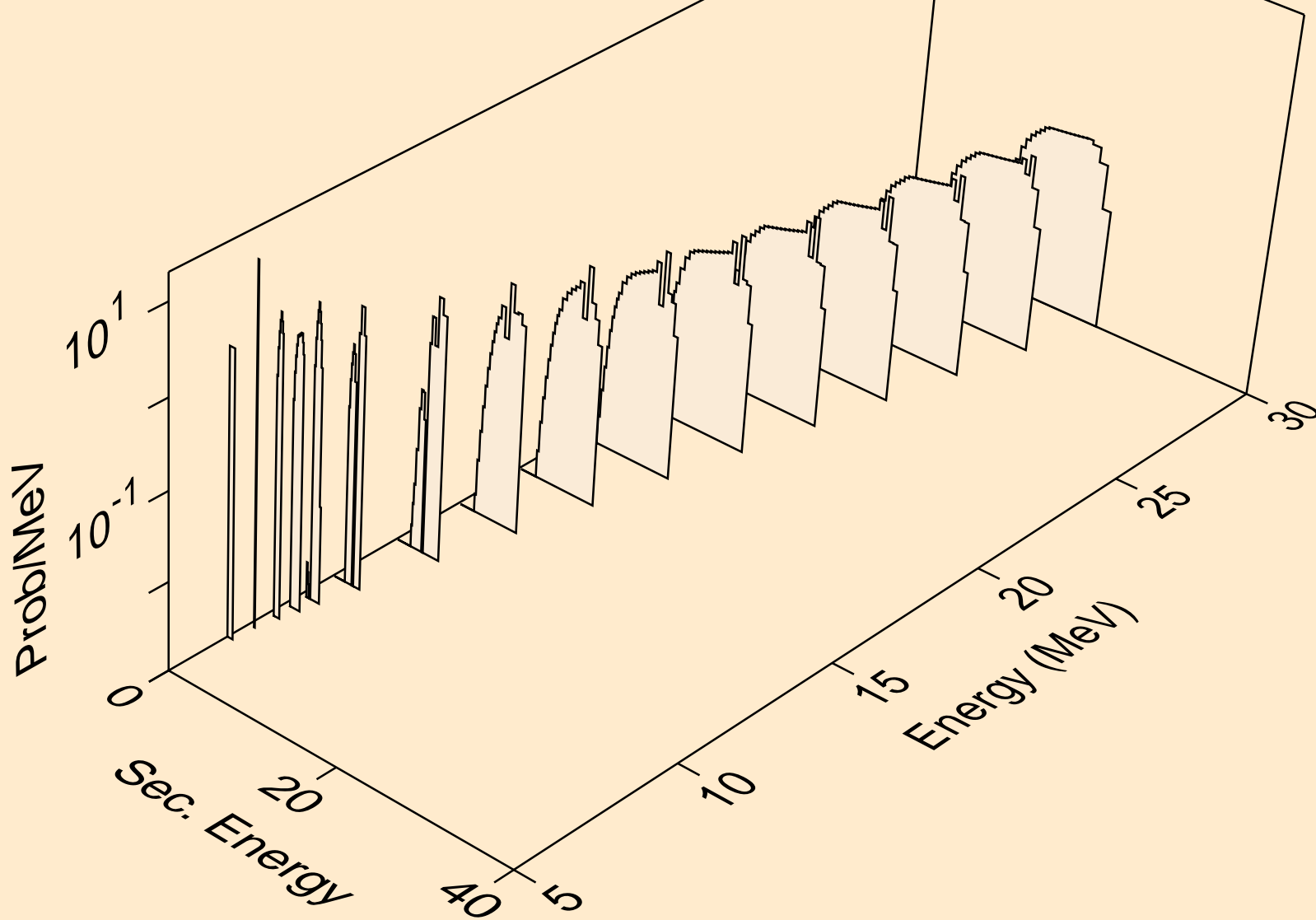
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deuterons from (n,x)



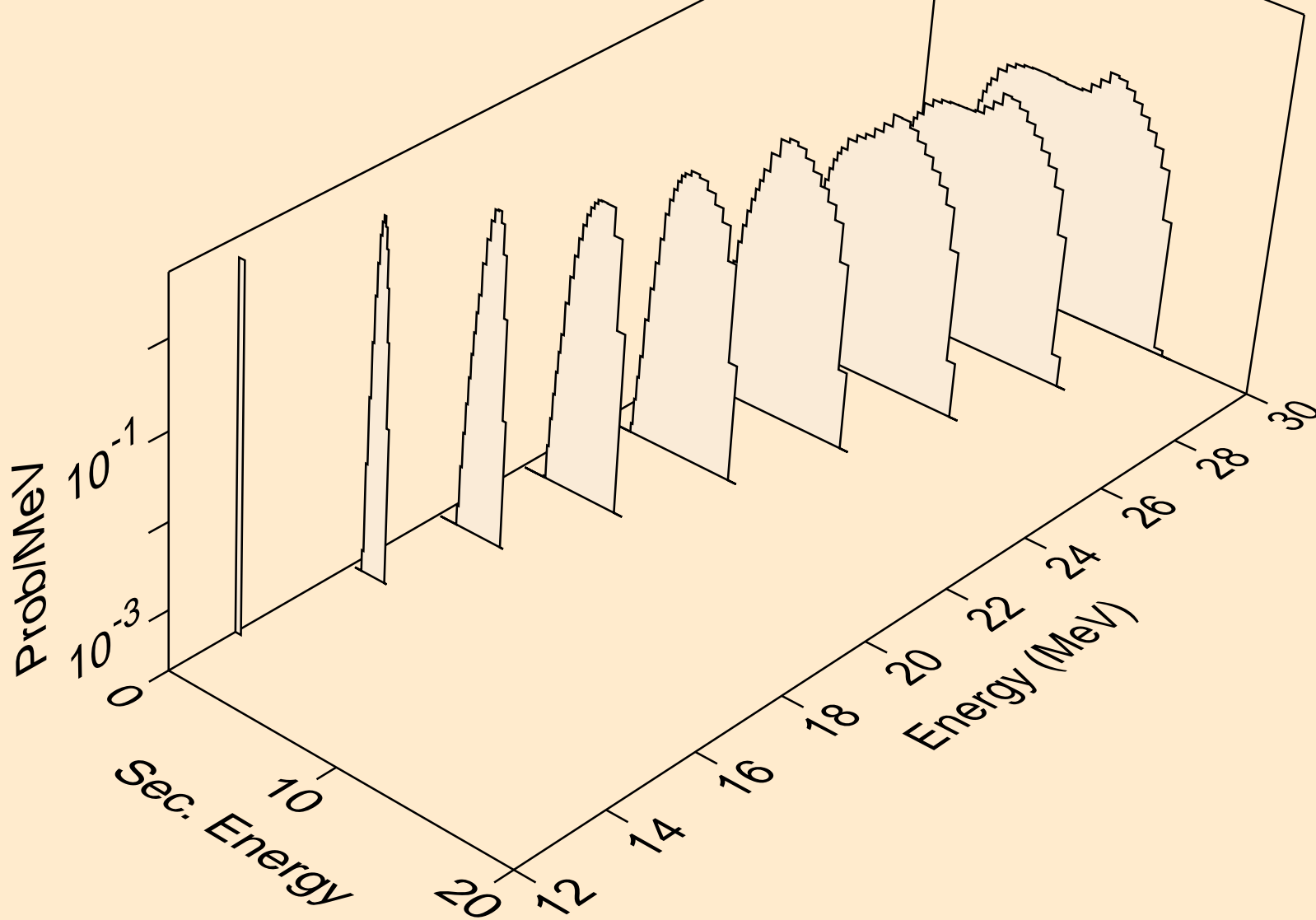
FE054 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,n\*)d



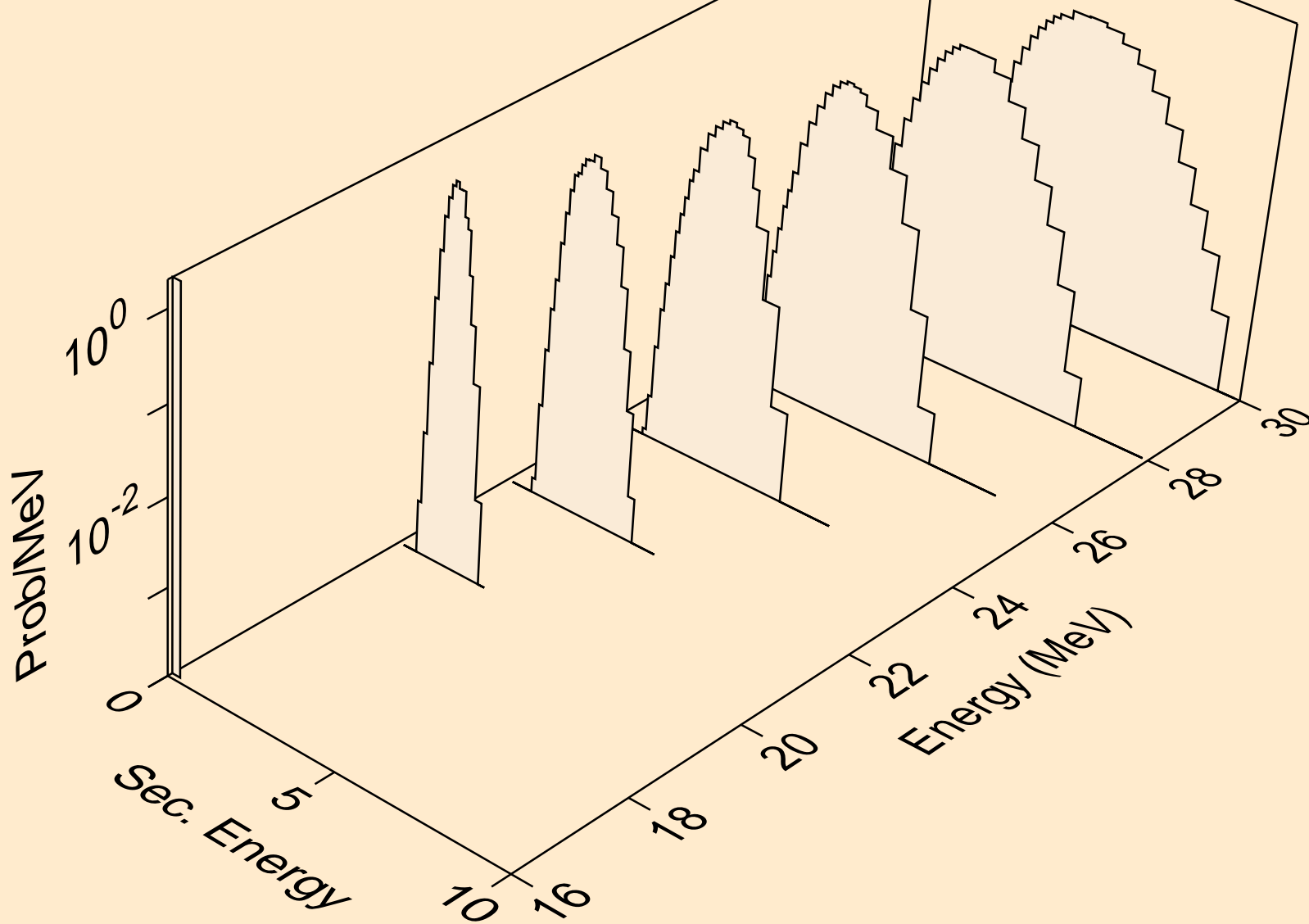
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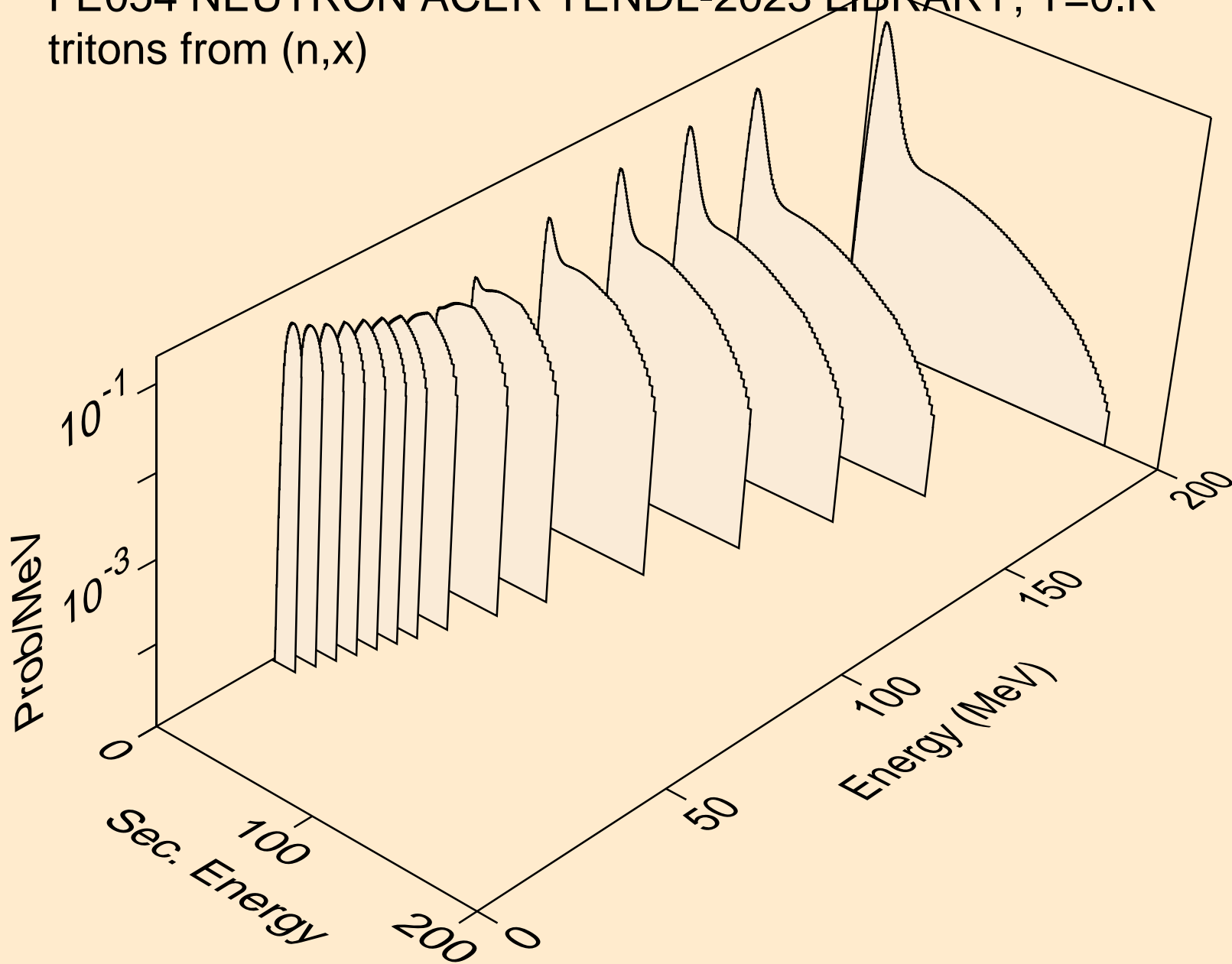
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deuterons from (n,pd)



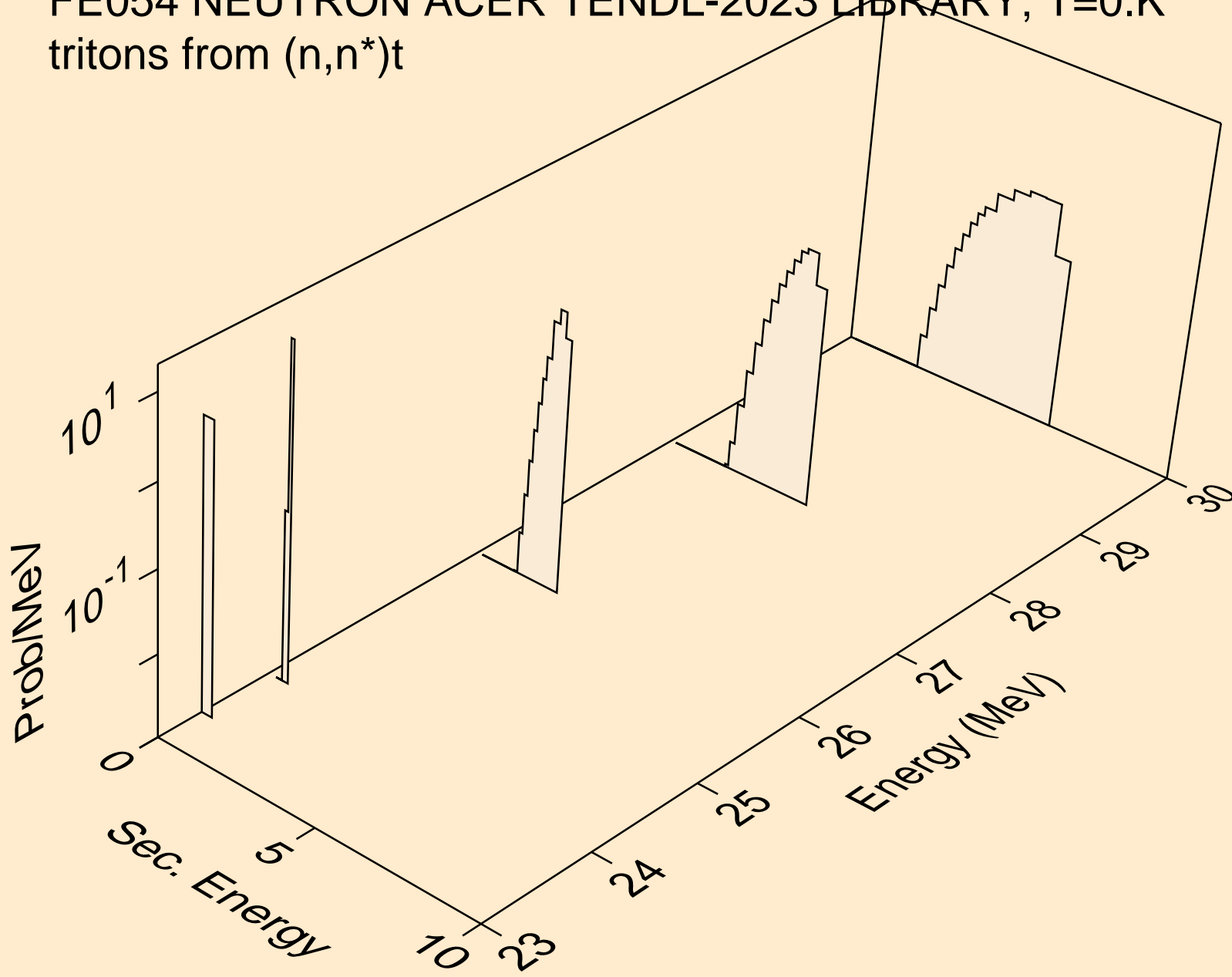
FE054 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,da)



FE054 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,x)

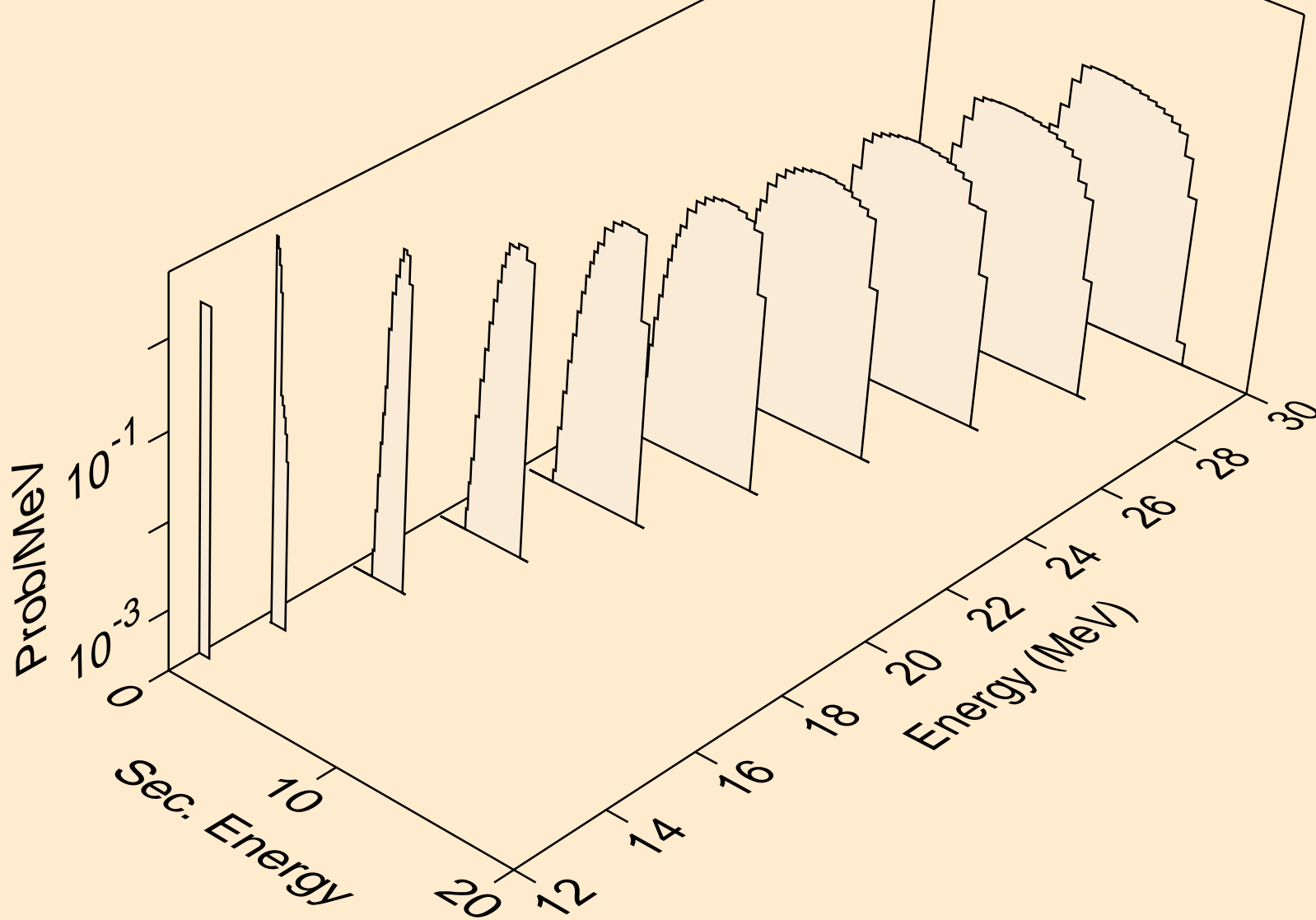


FE054 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,n\*)t

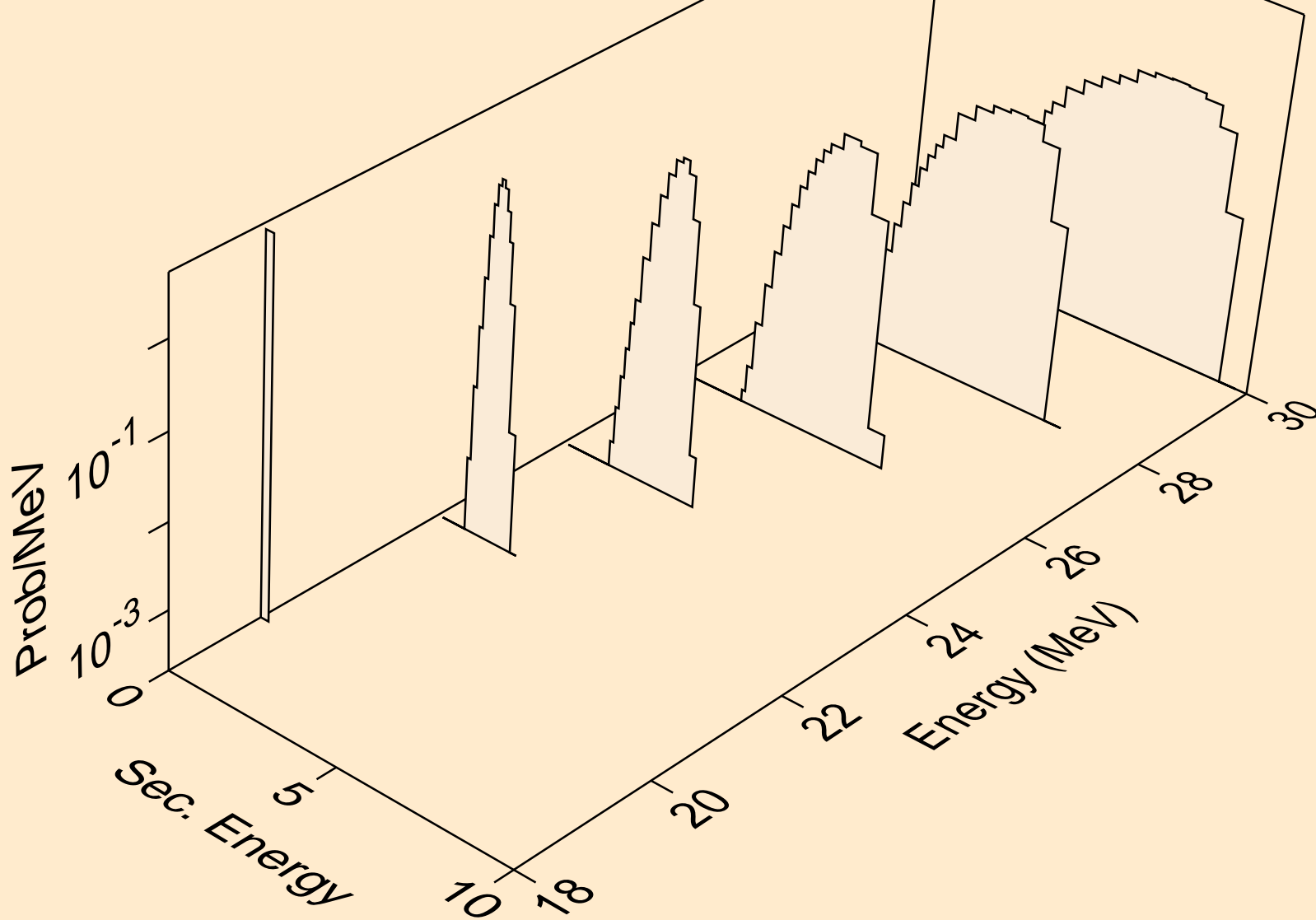




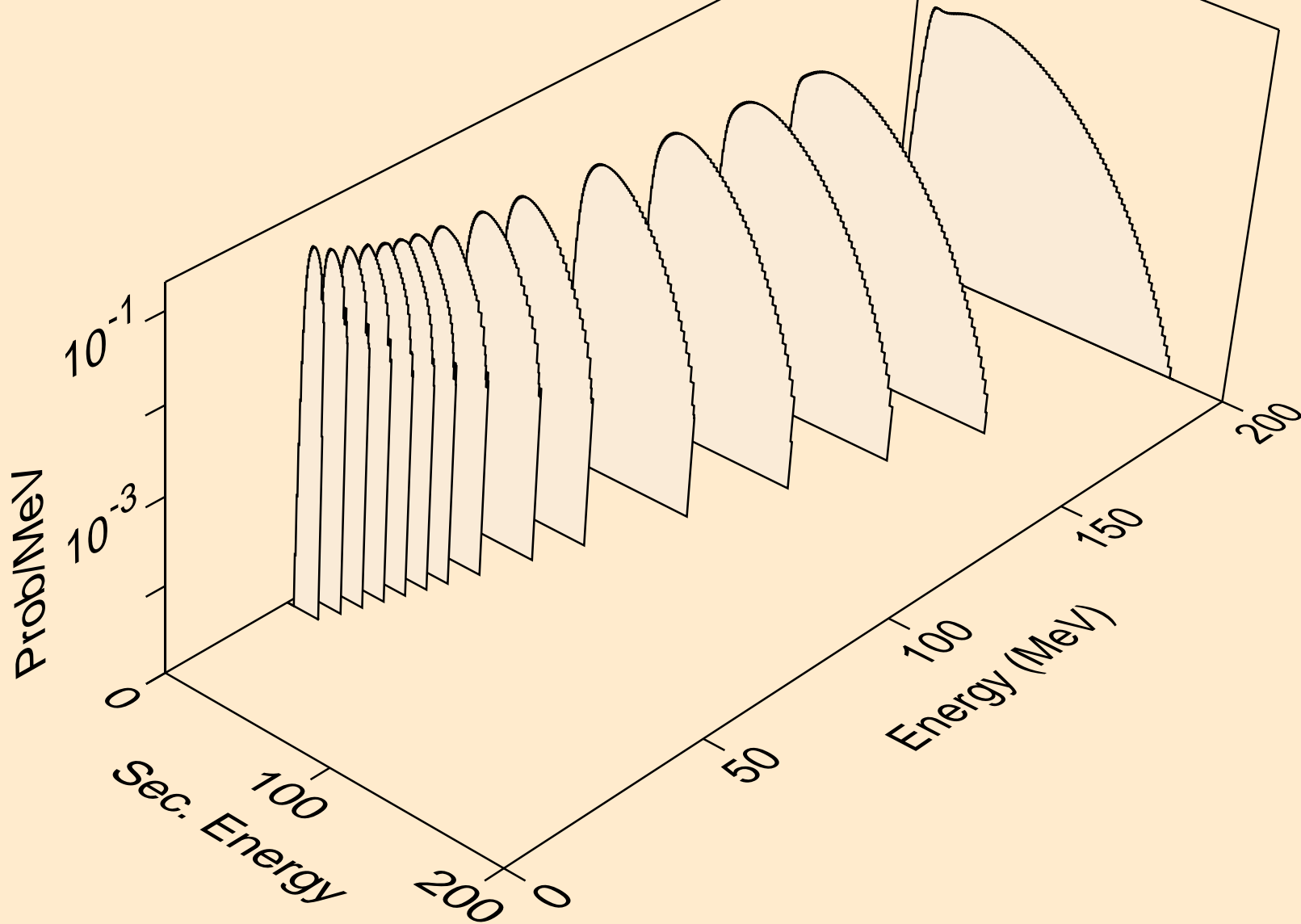
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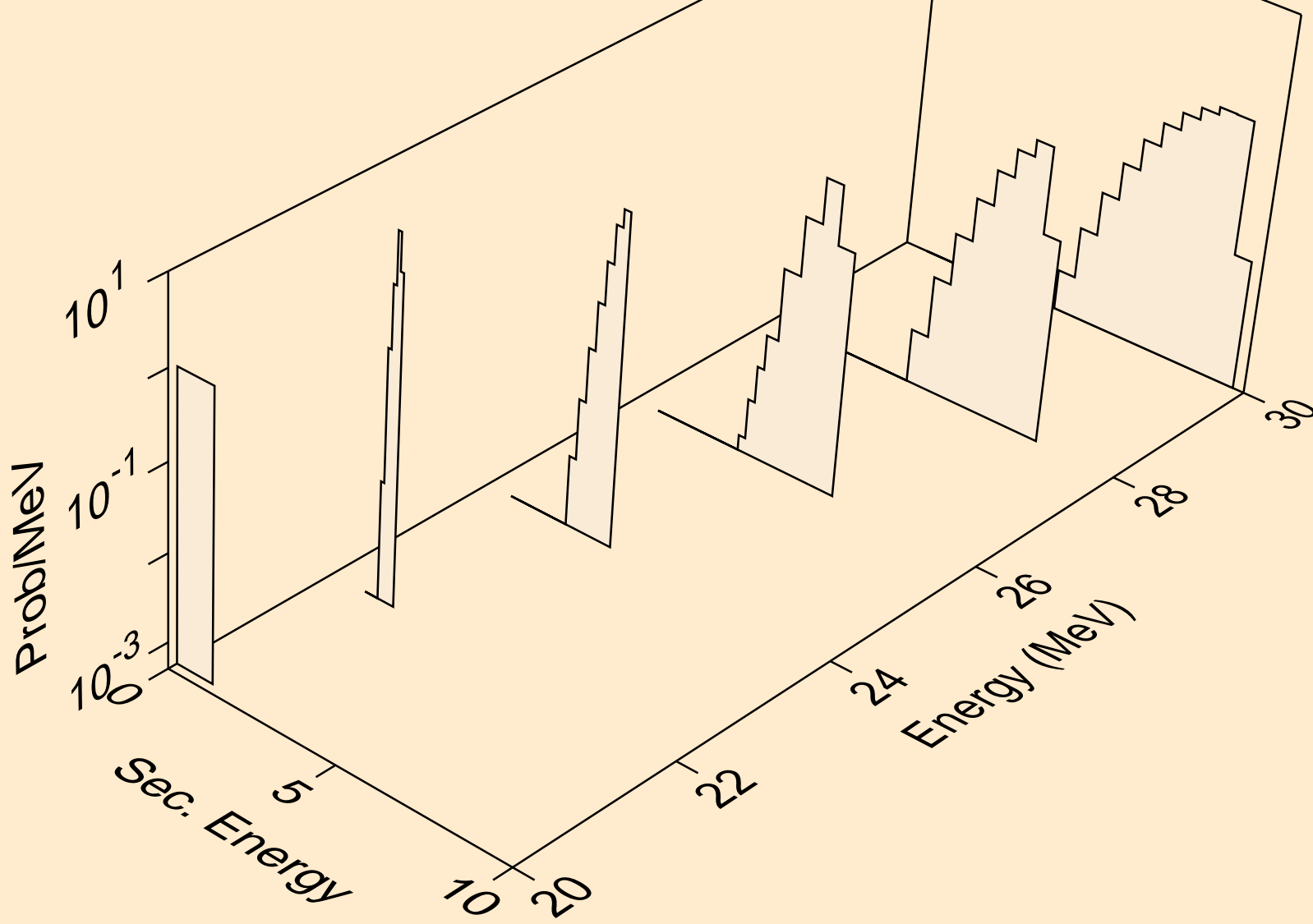
FE054 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,pt)



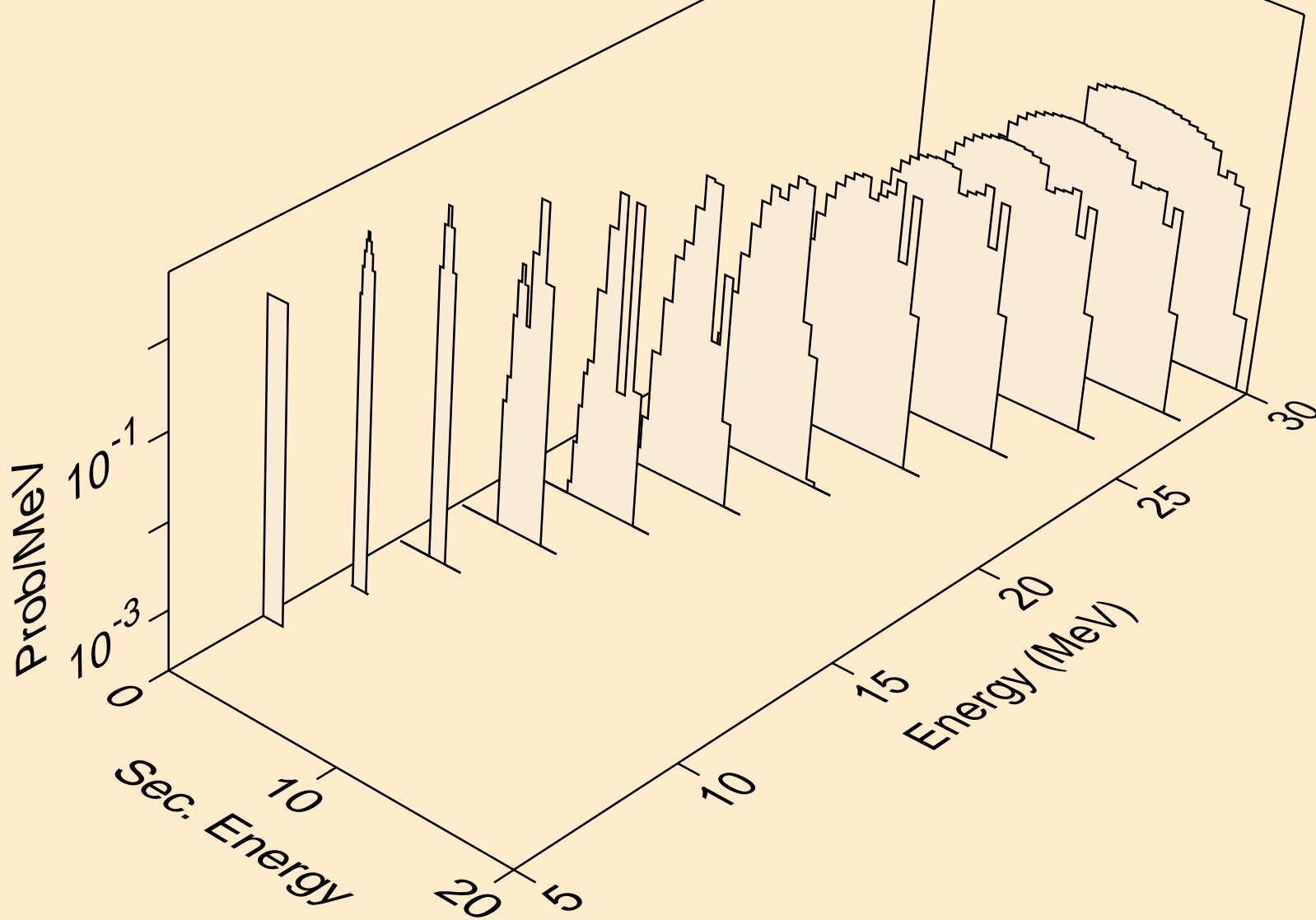
FE054 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,x)



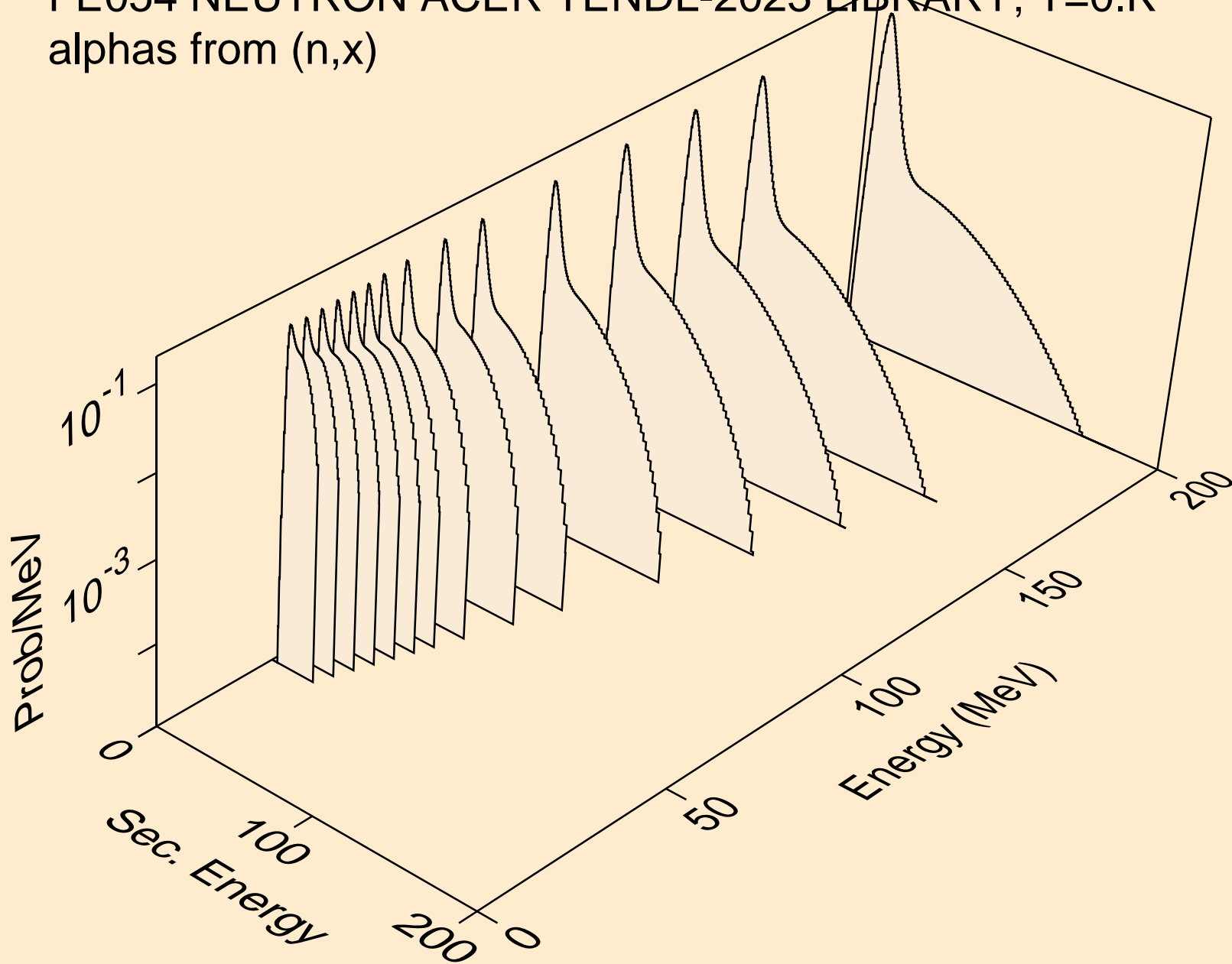
FE054 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
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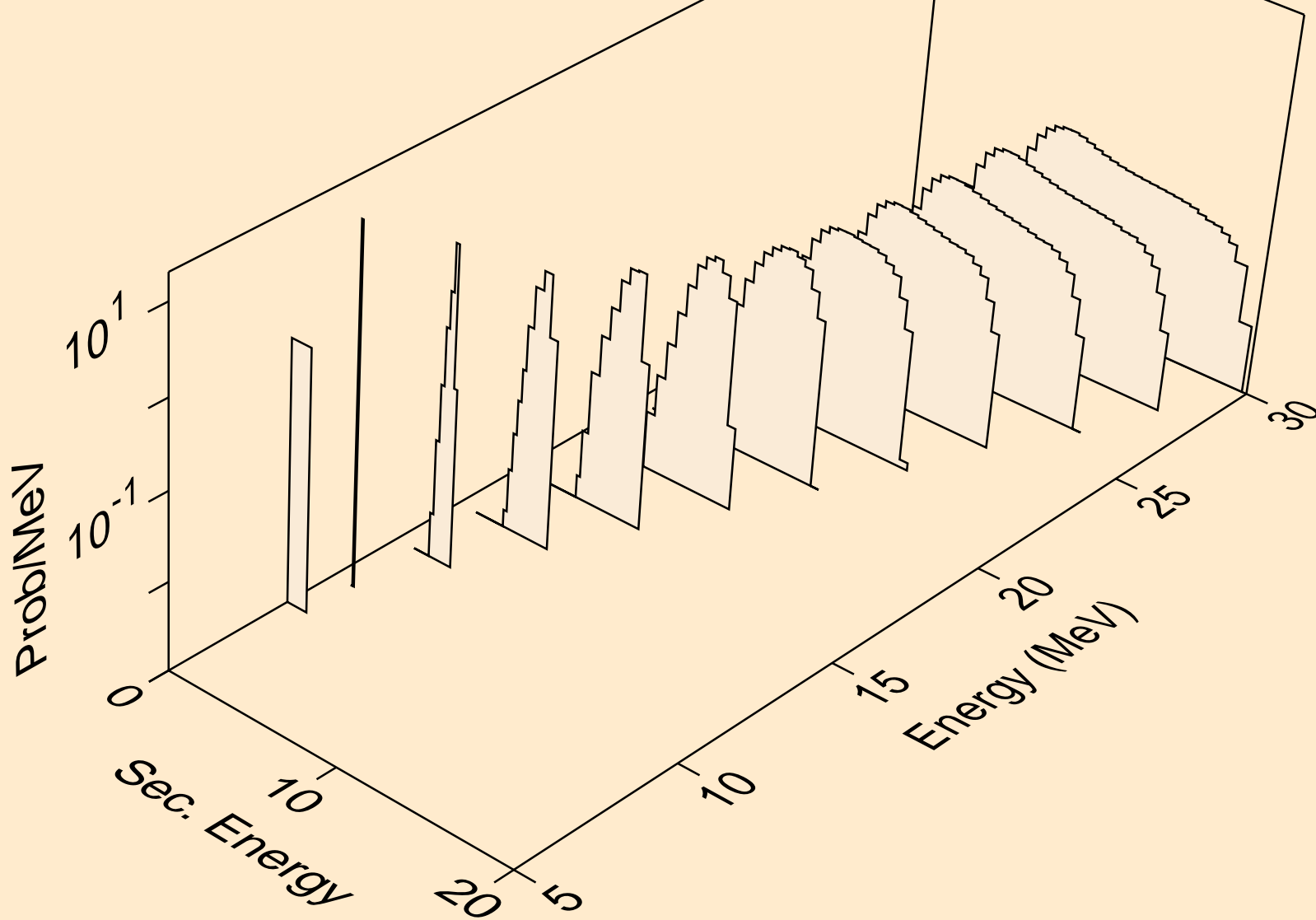
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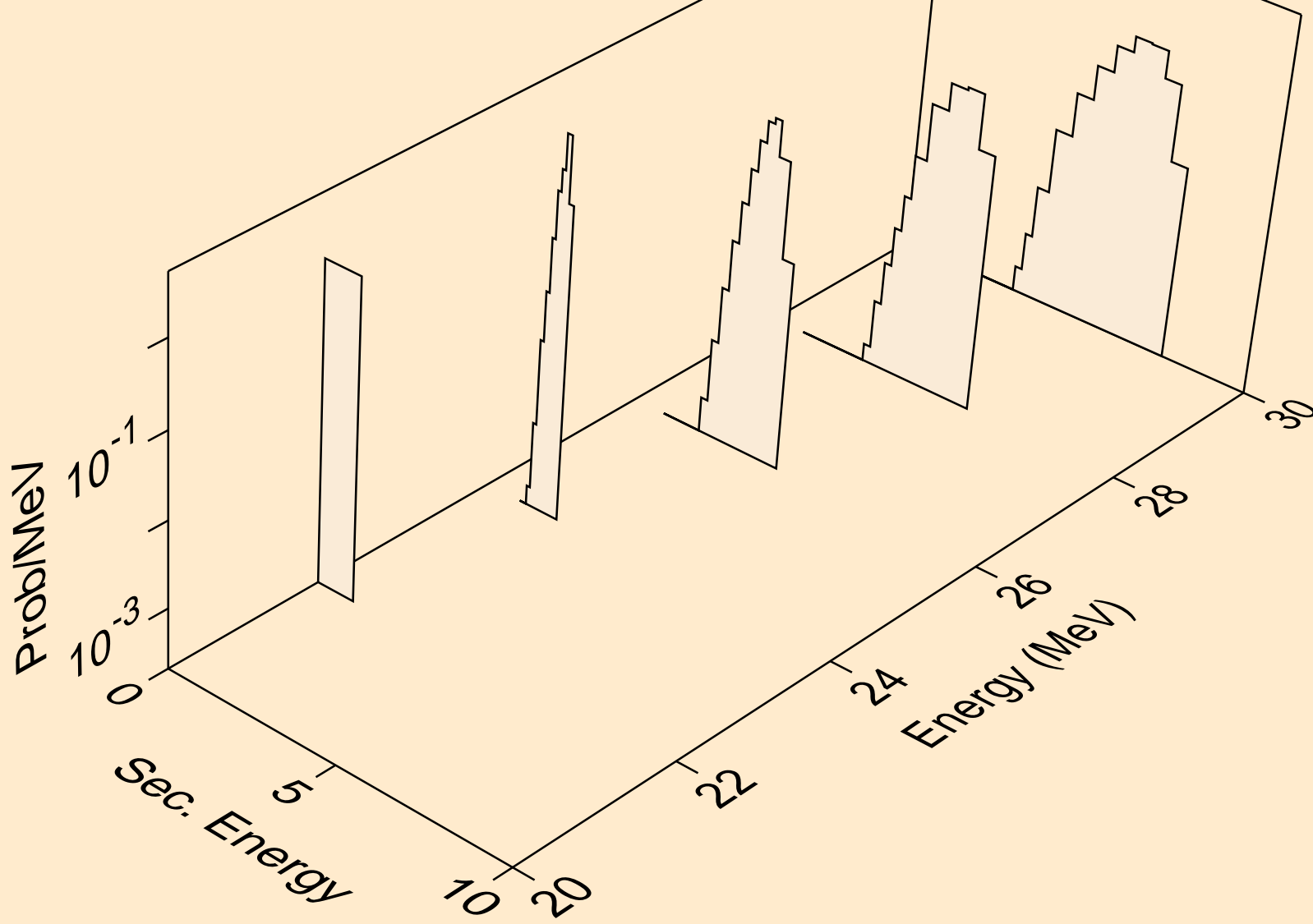
FE054 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,x)



FE054 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)a

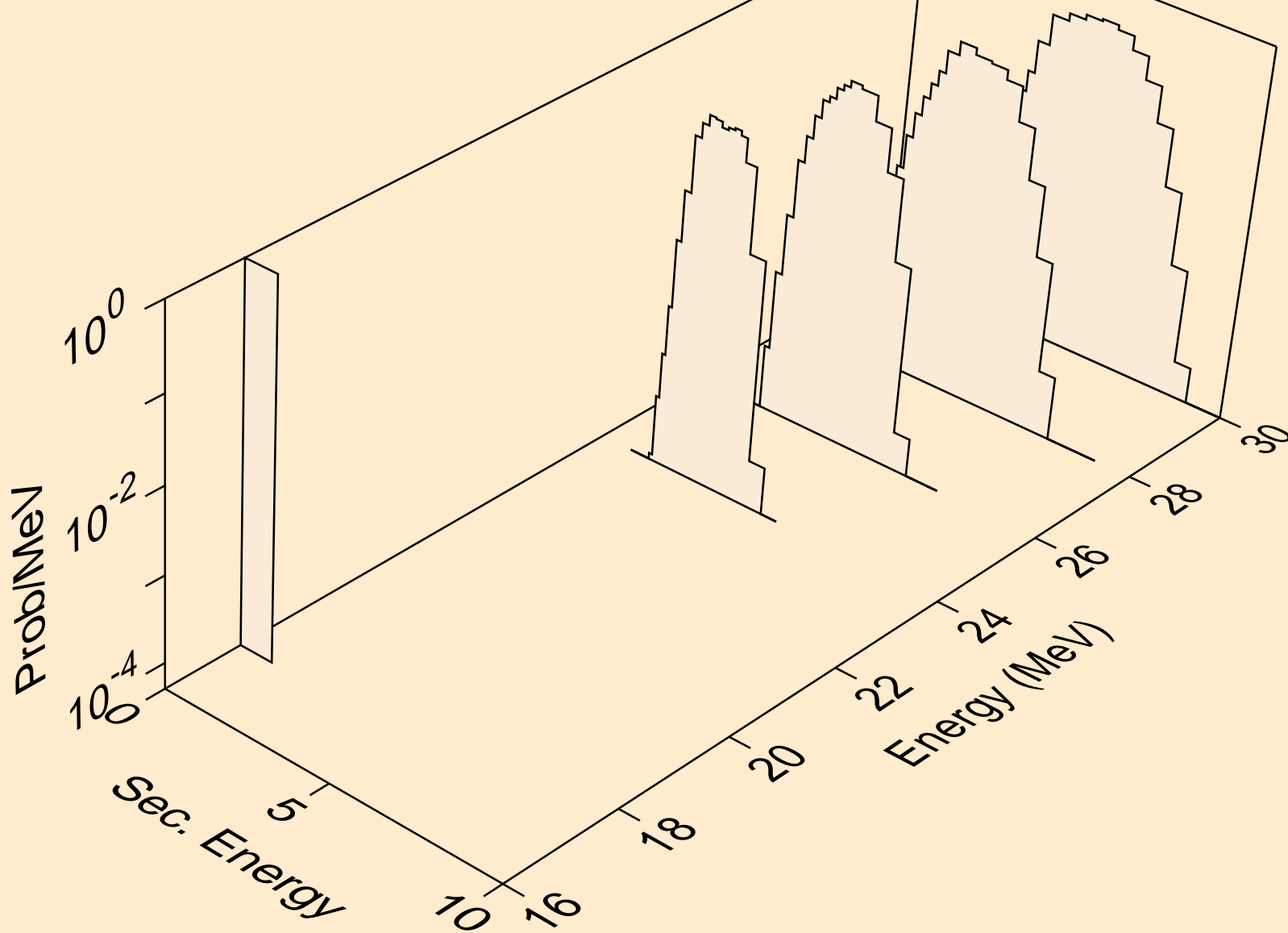


FE054 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
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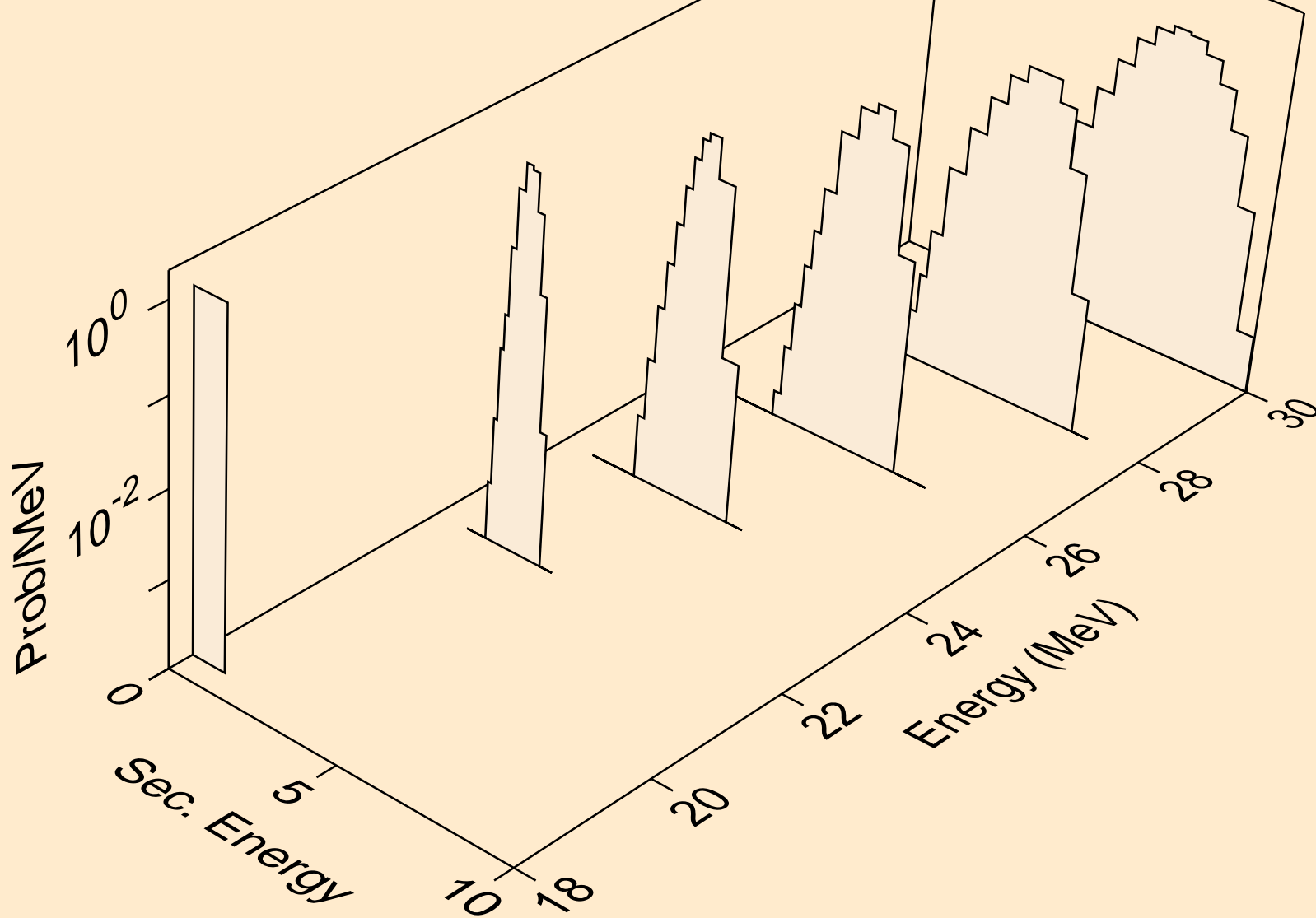




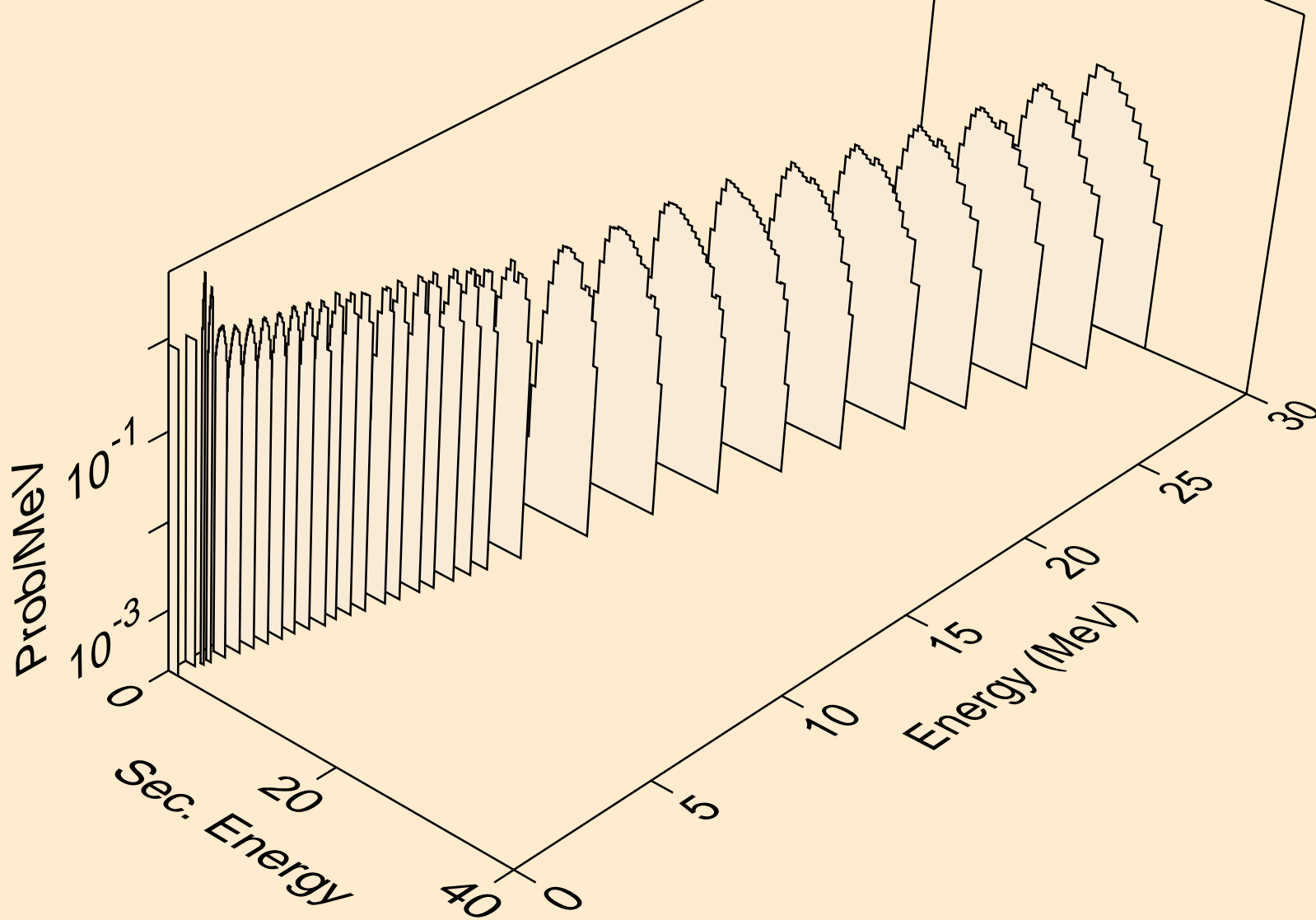
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alphas from (n,n\*)2a



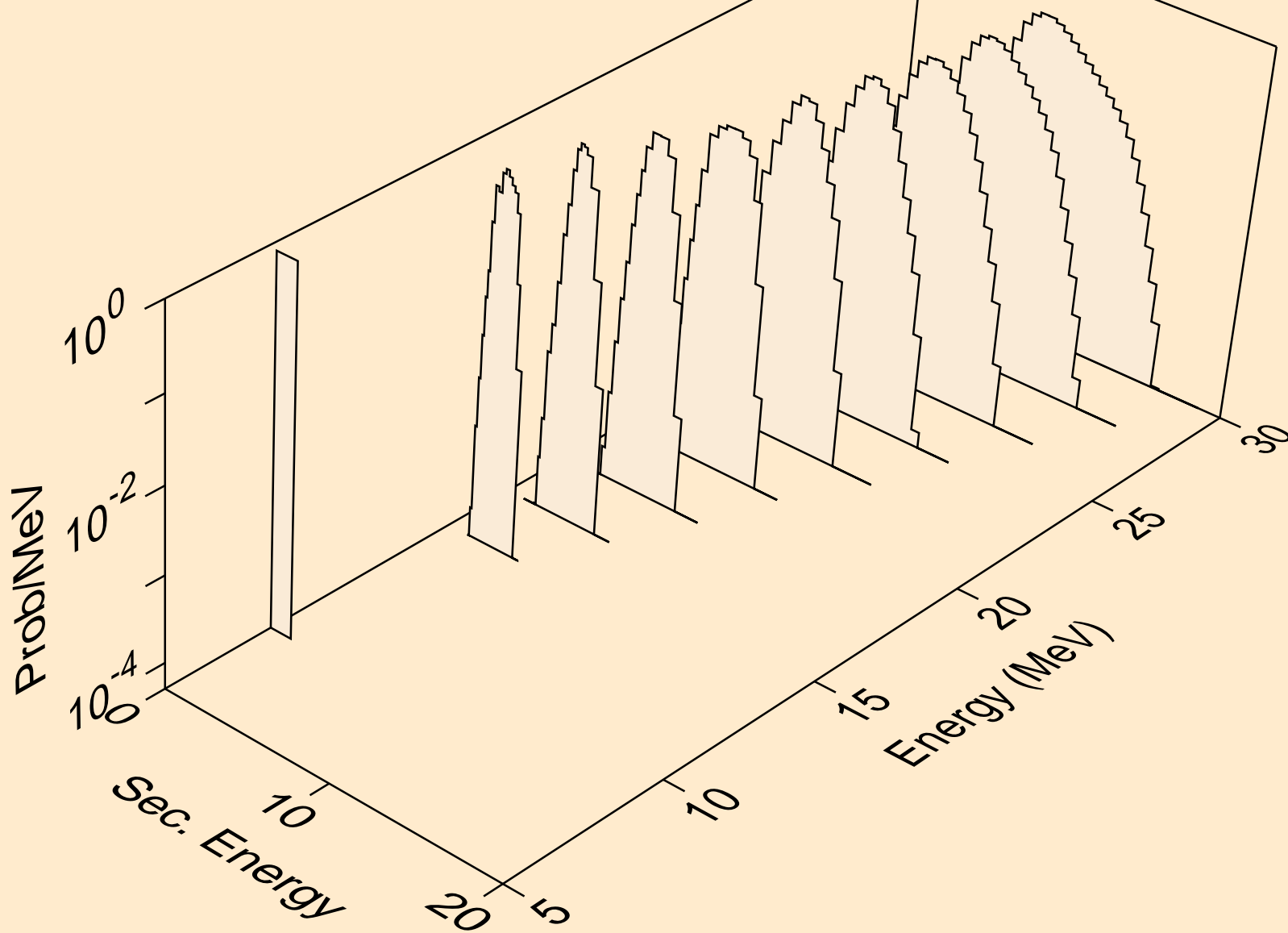
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alphas from (n,npa)



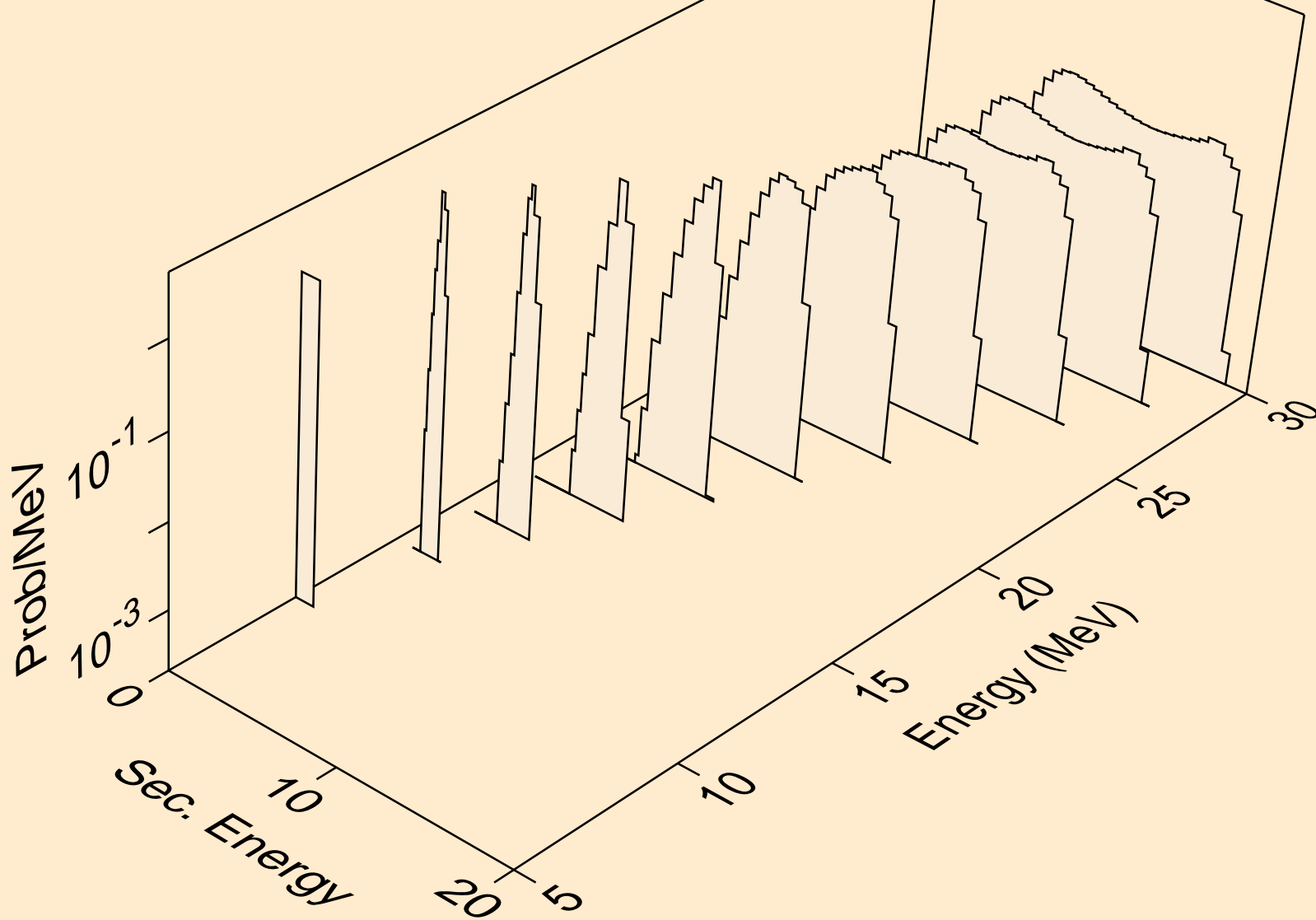
FE054 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,a)



FE054 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2a)



FE054 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,pa)



FE054 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,da)

