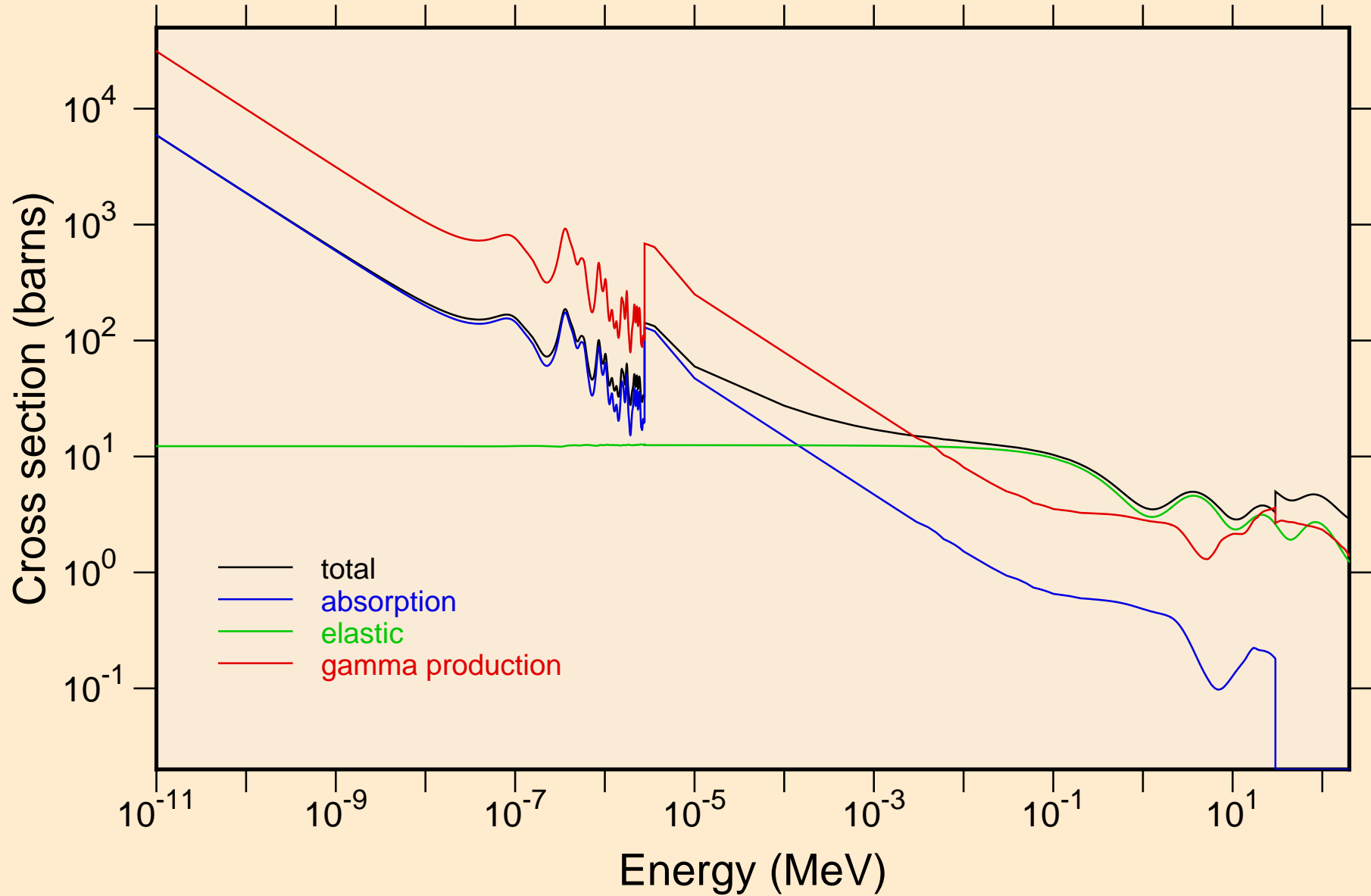


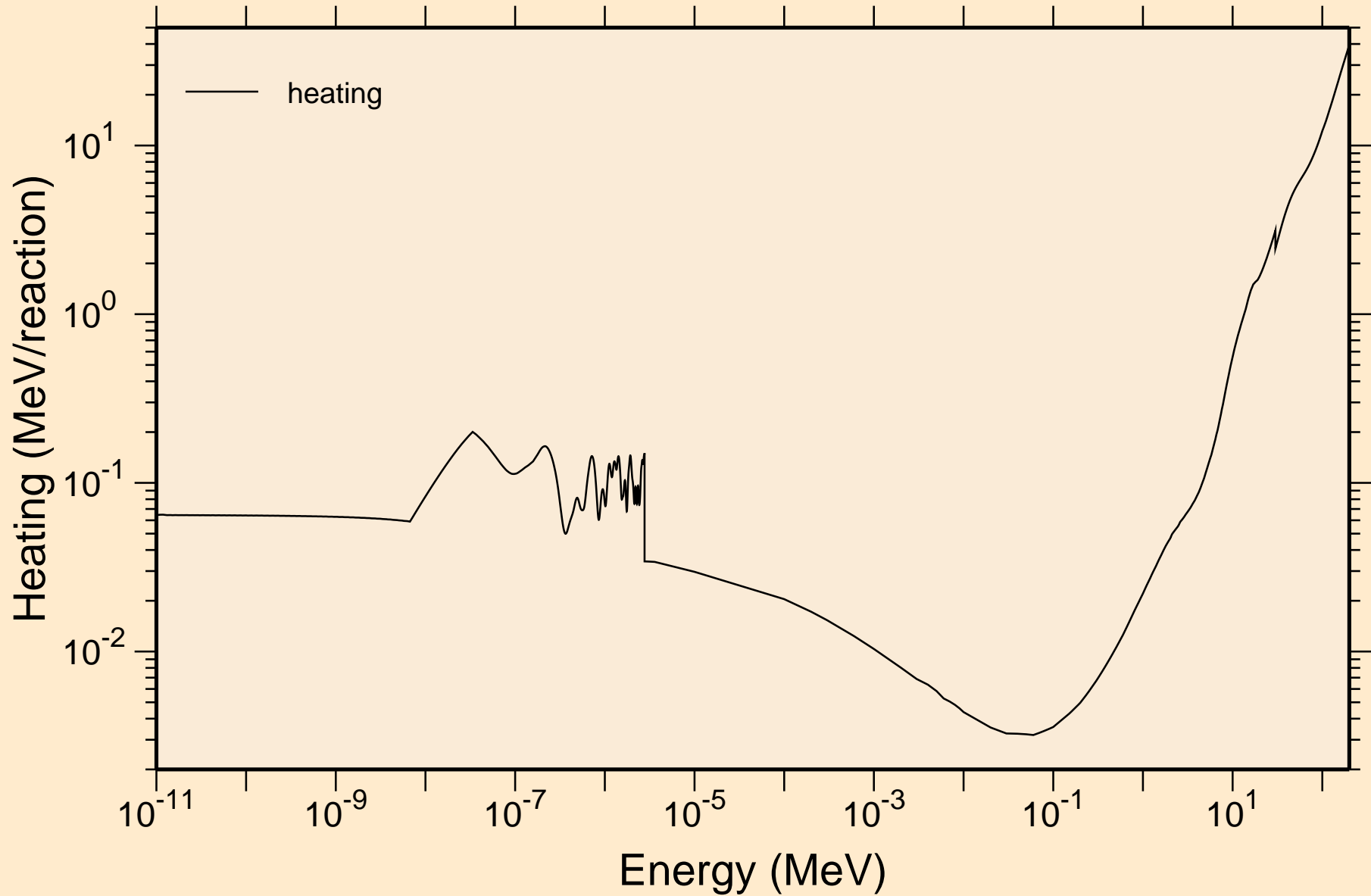
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## Principal cross sections

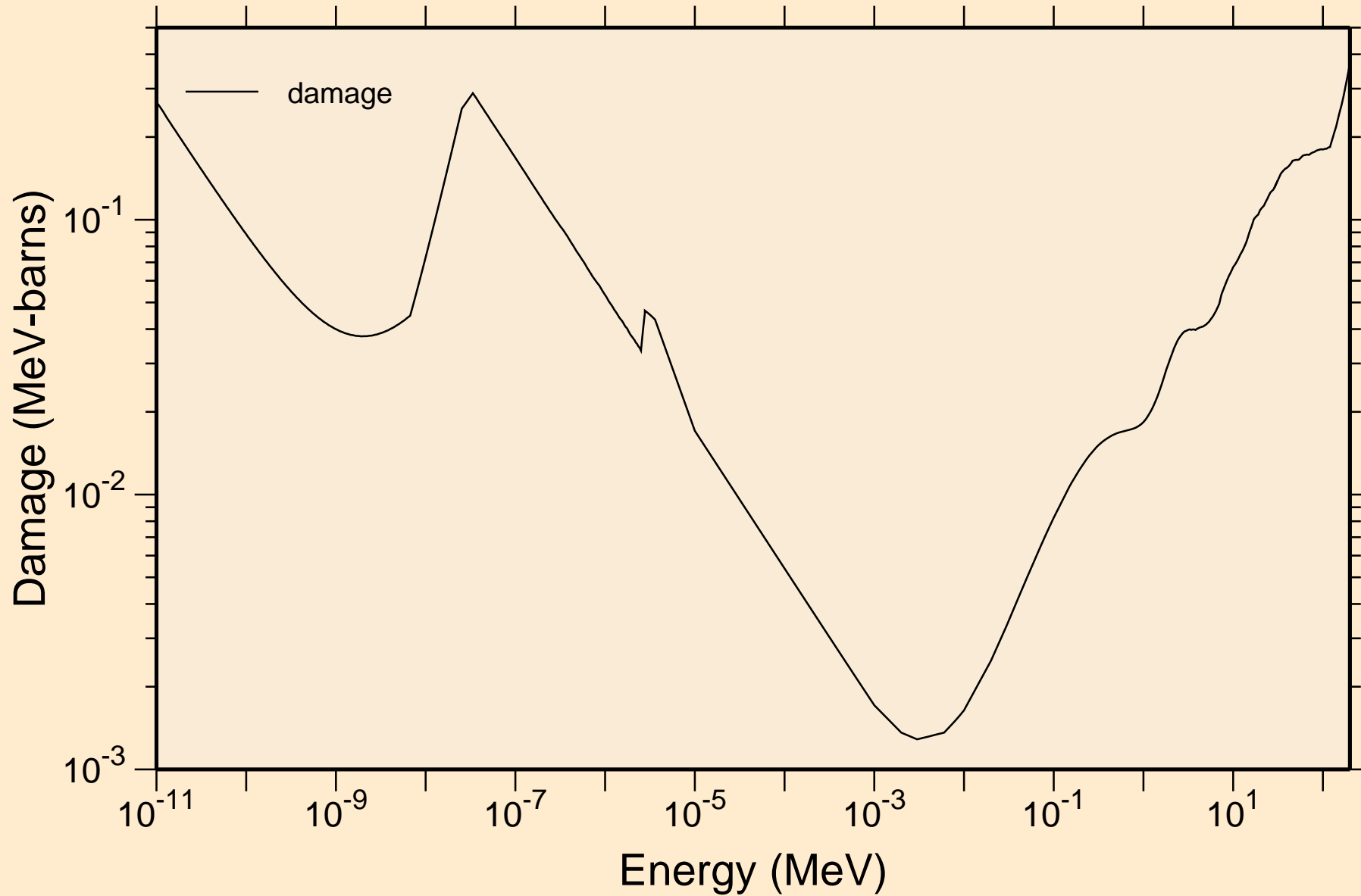


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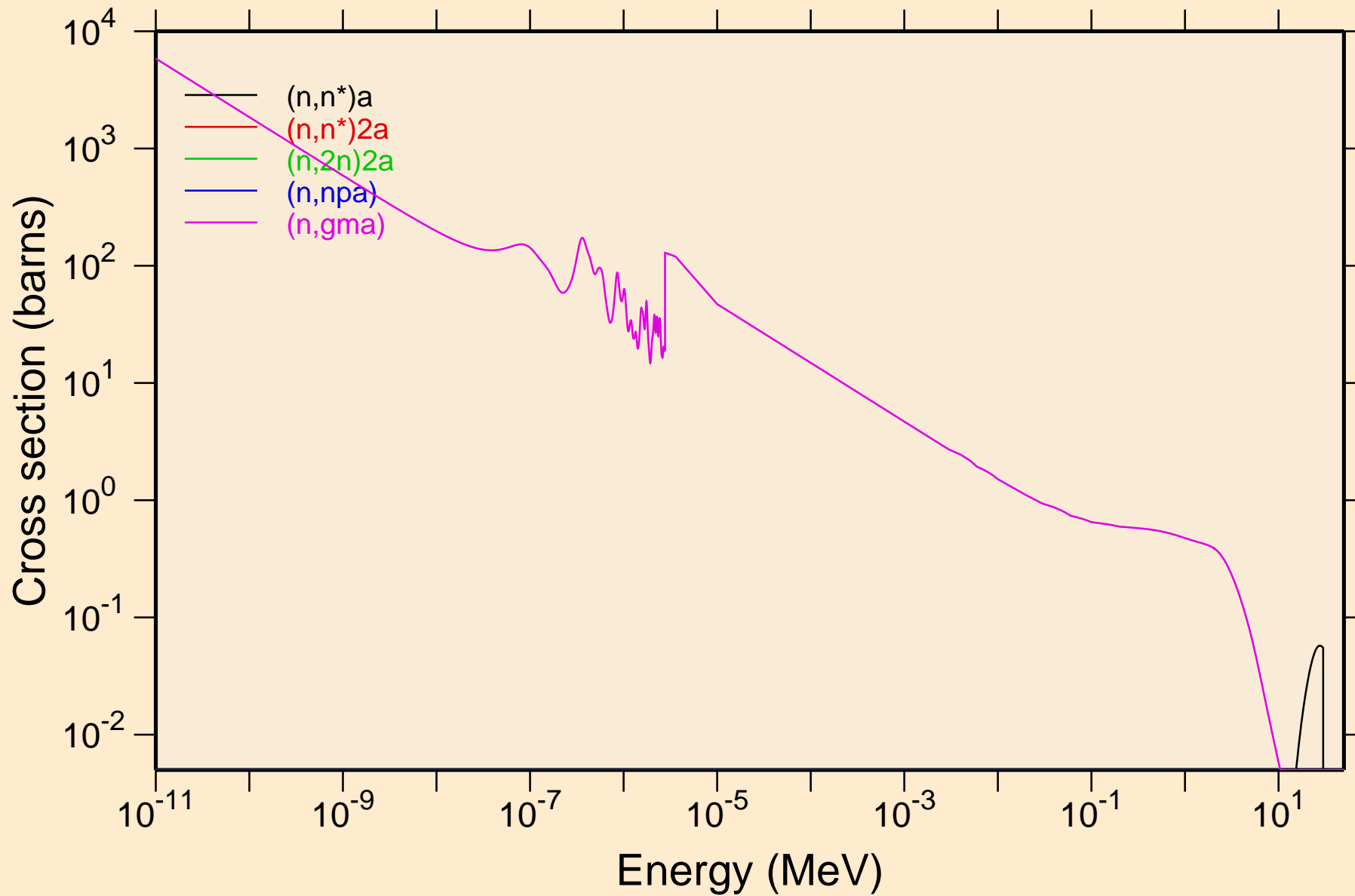
Heating



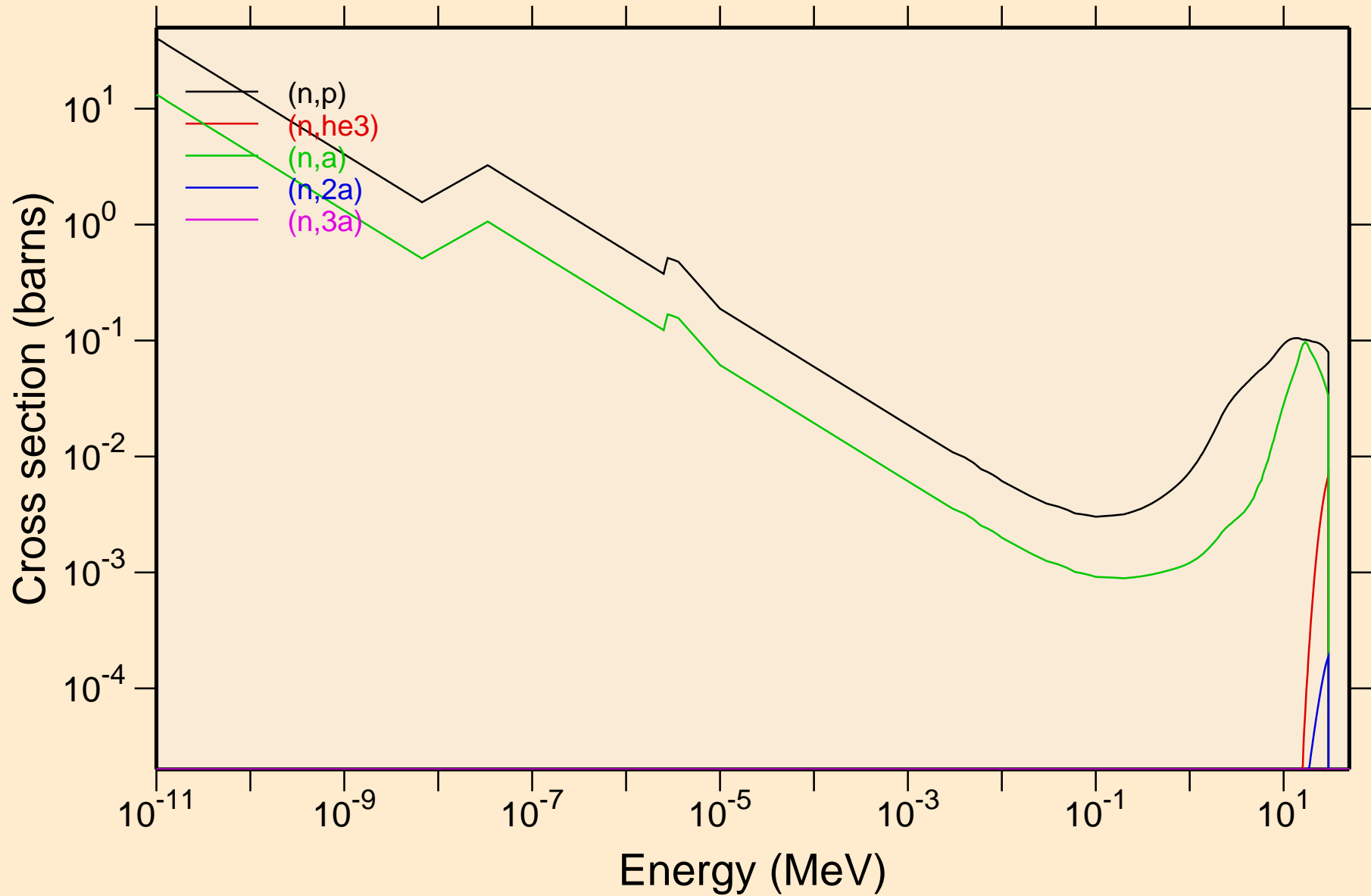
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Damage



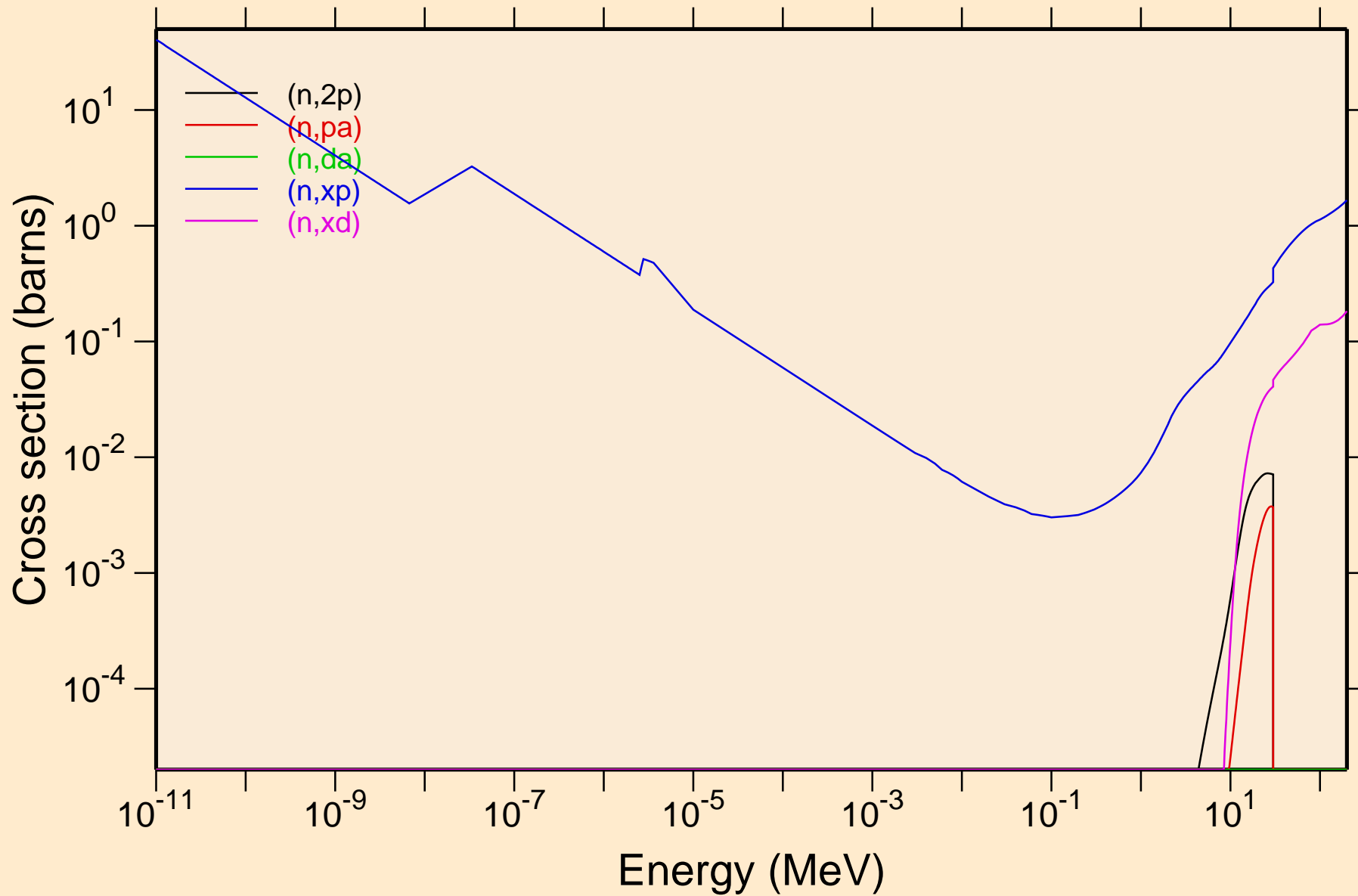
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Non-threshold reactions



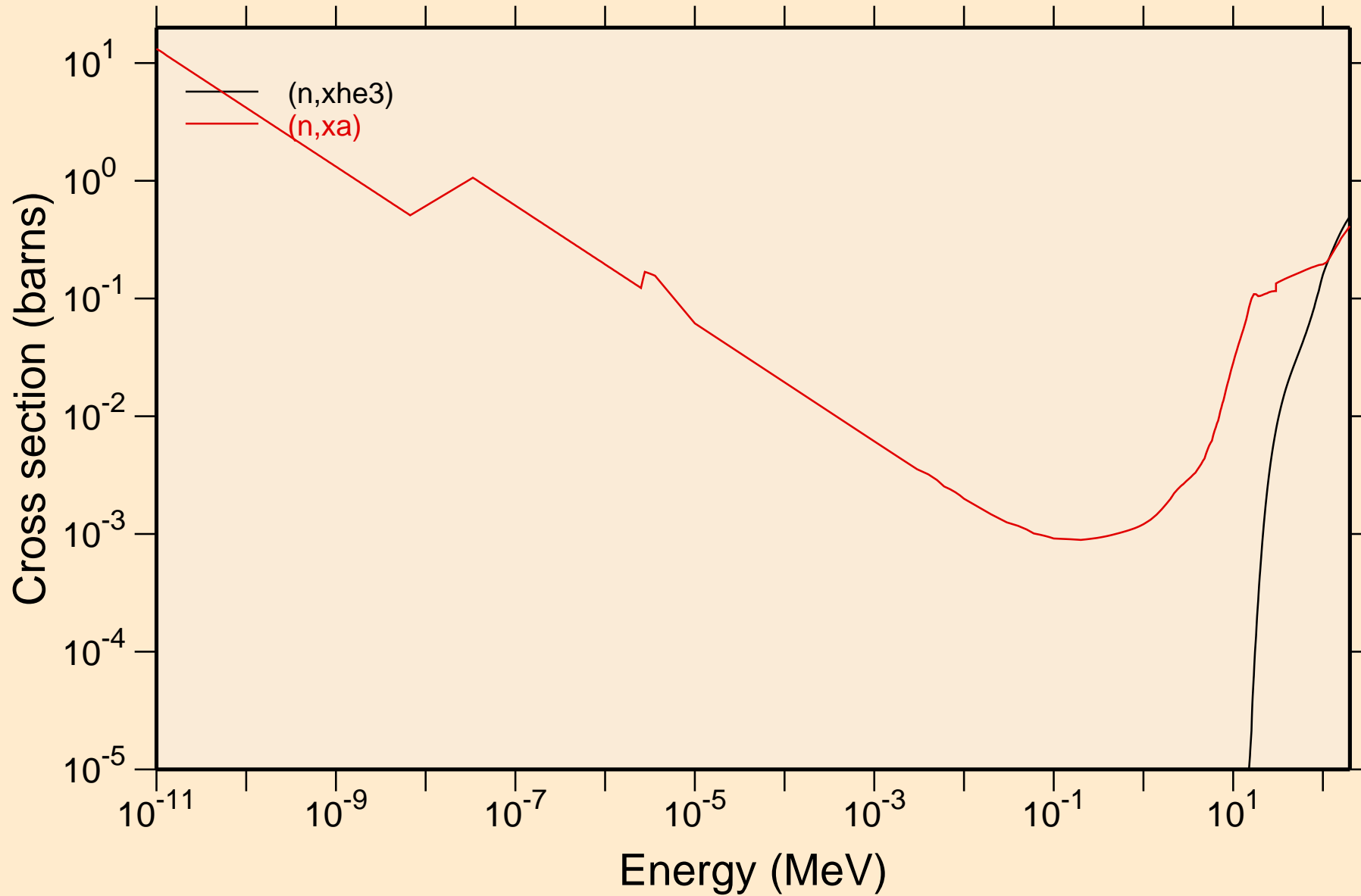
PO195 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



PO195 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

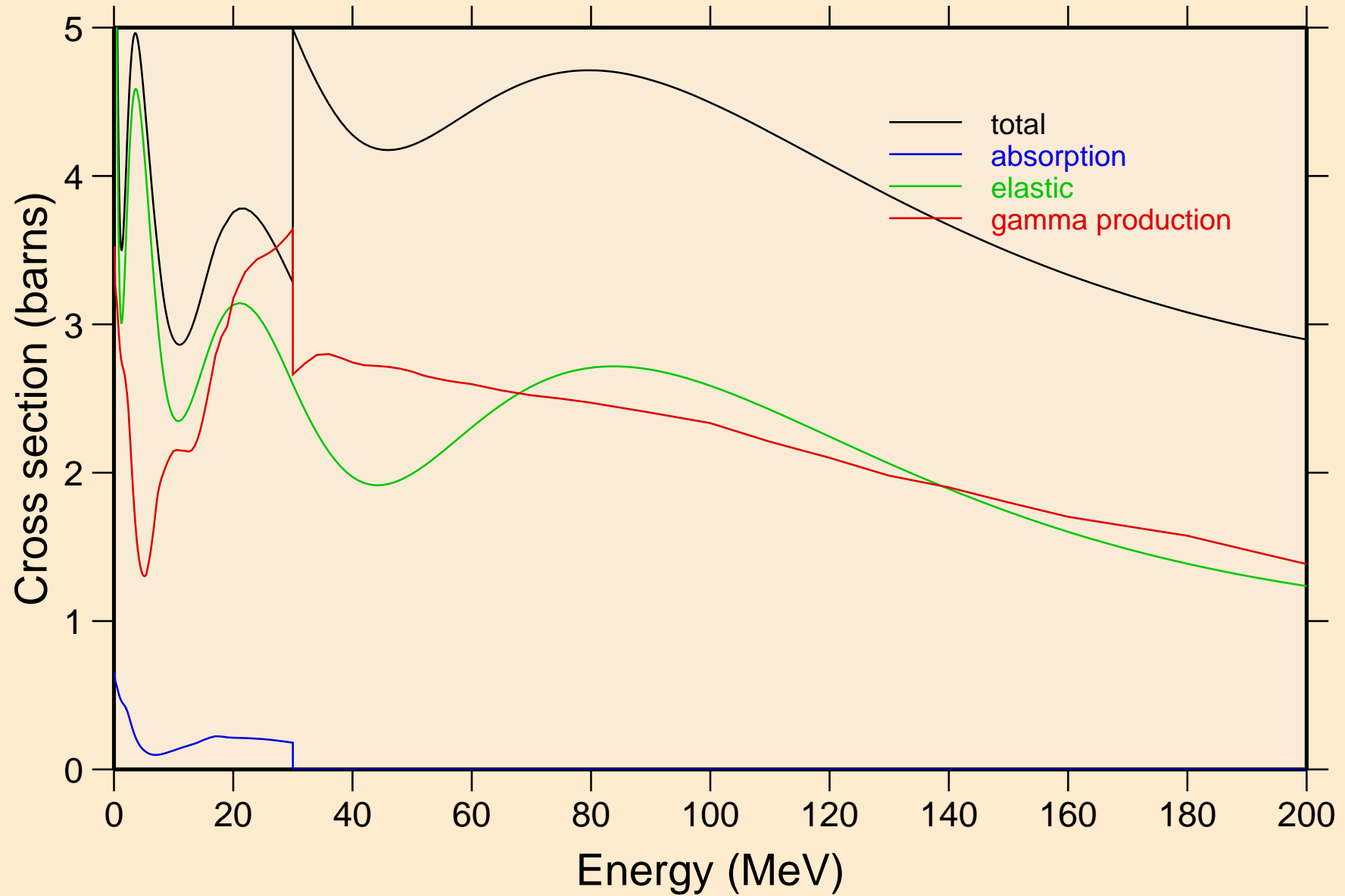


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Non-threshold reactions



# PO195 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

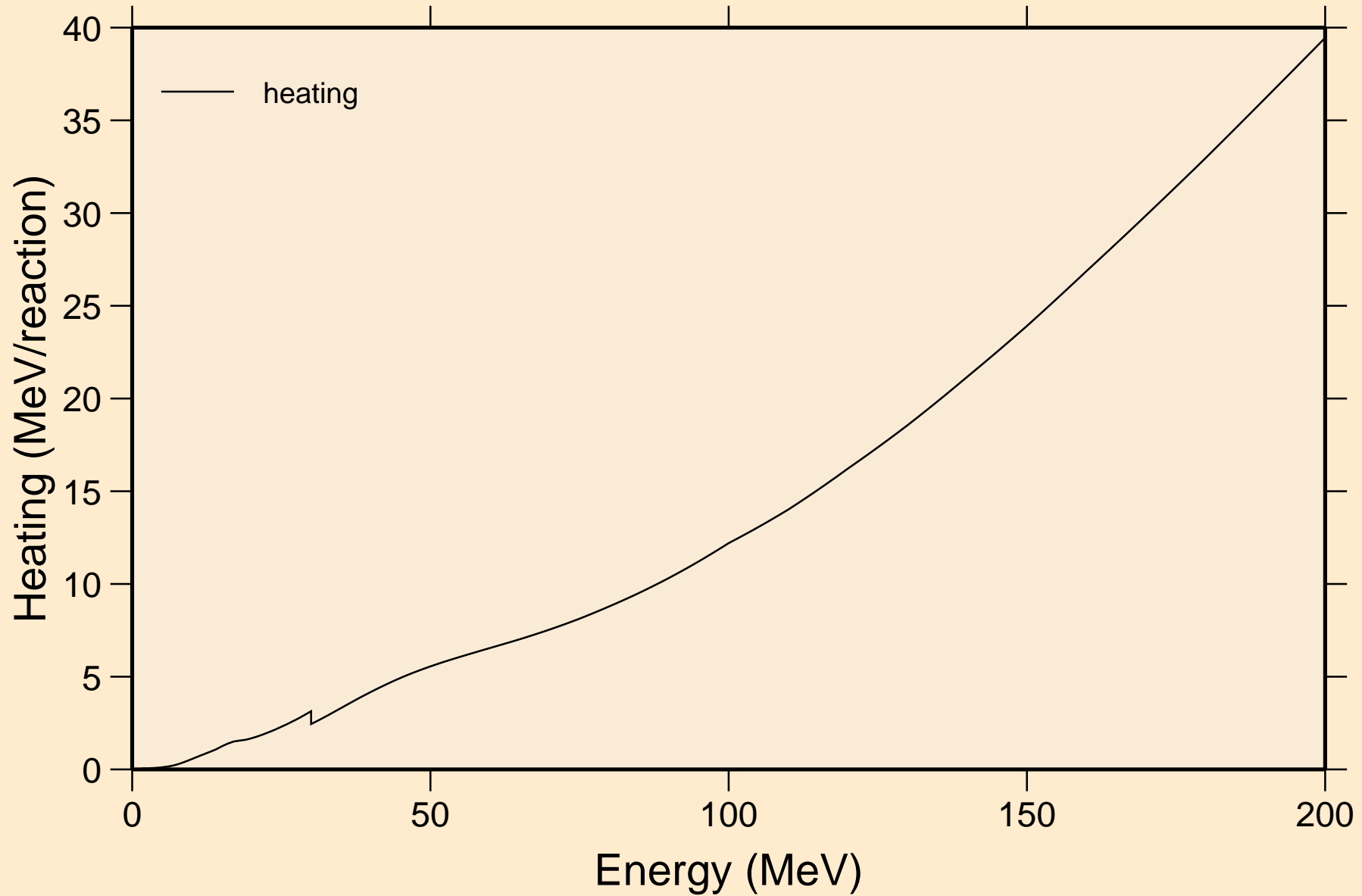
## Principal cross sections



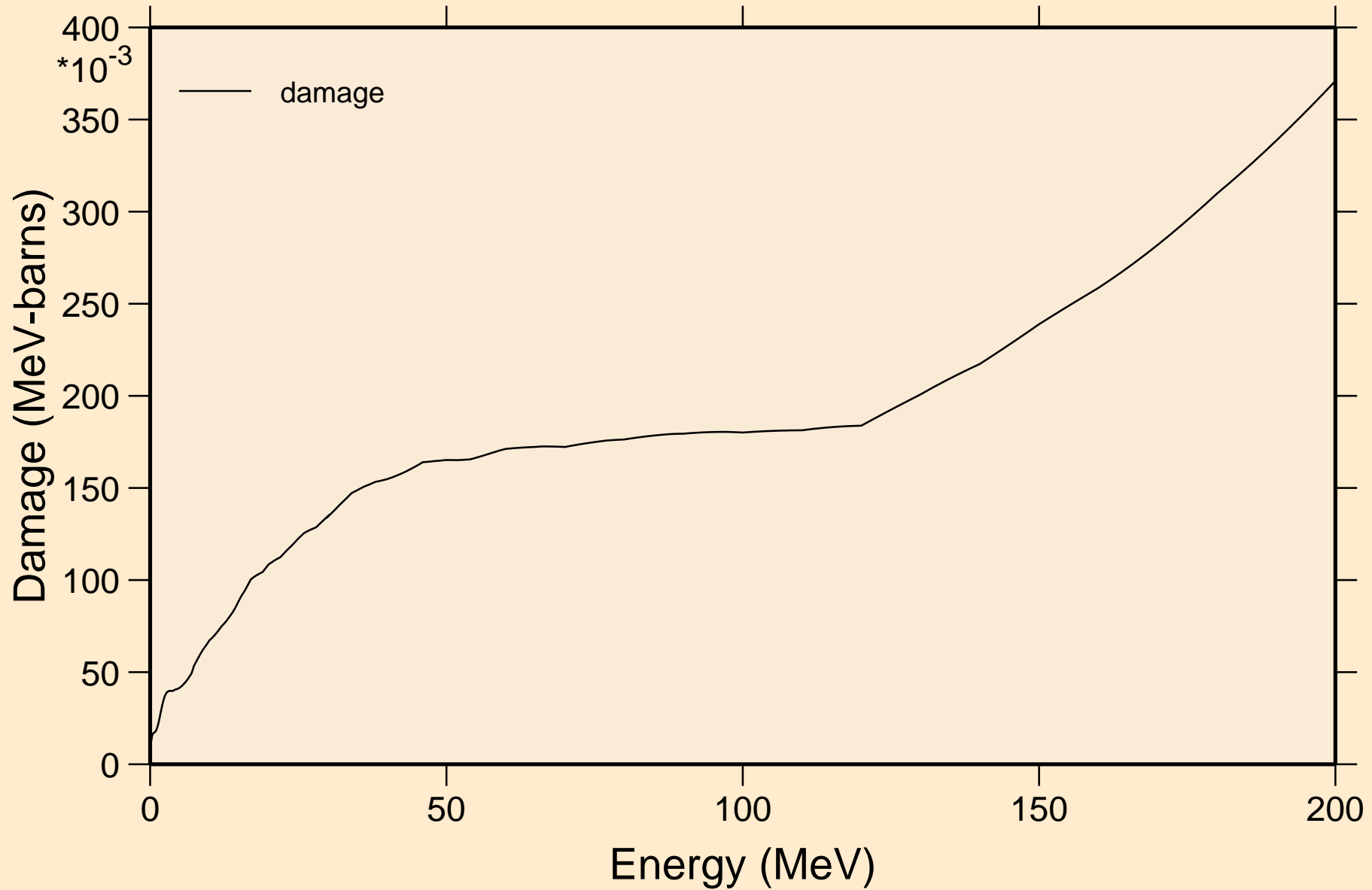


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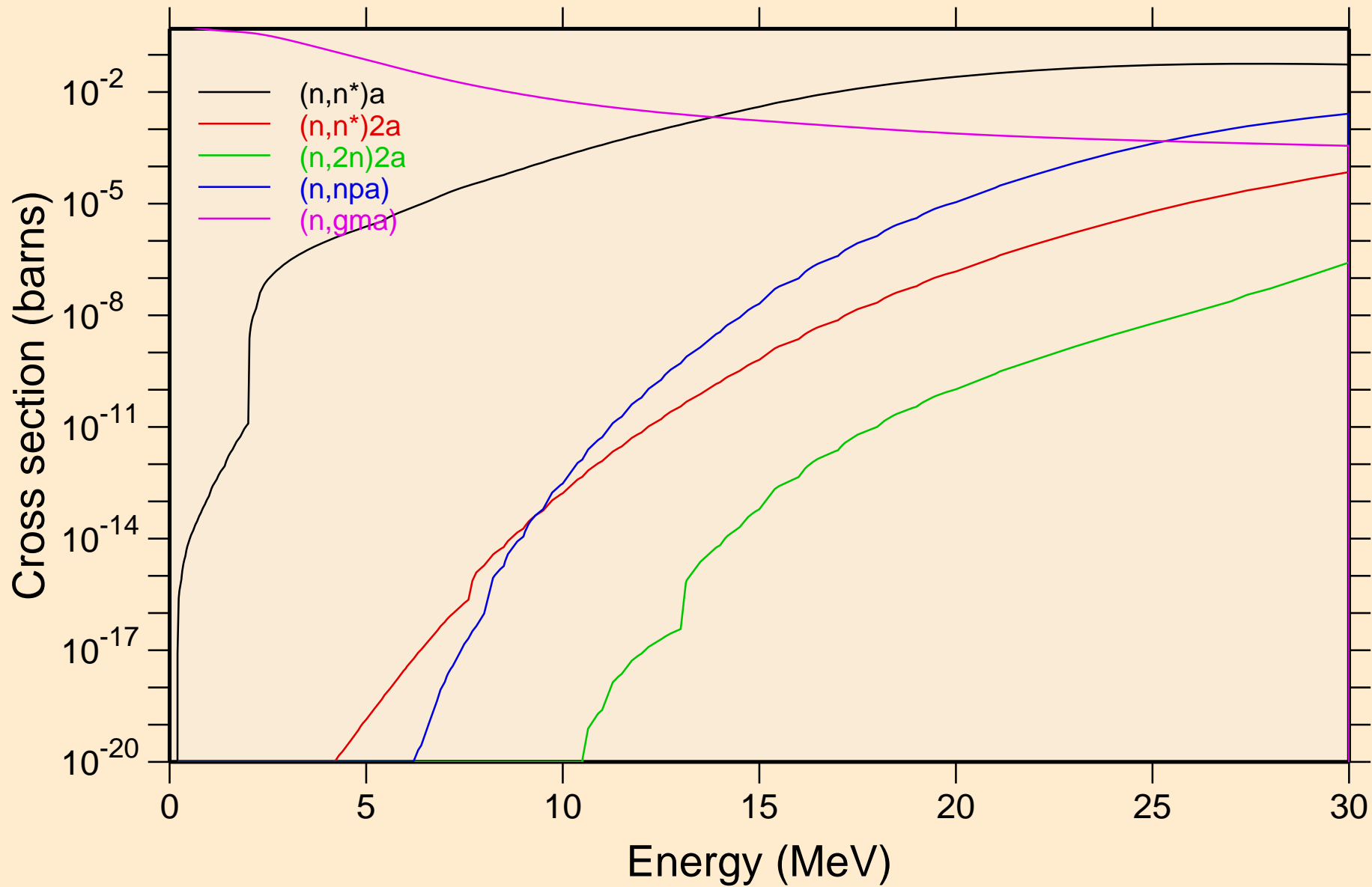
## Heating



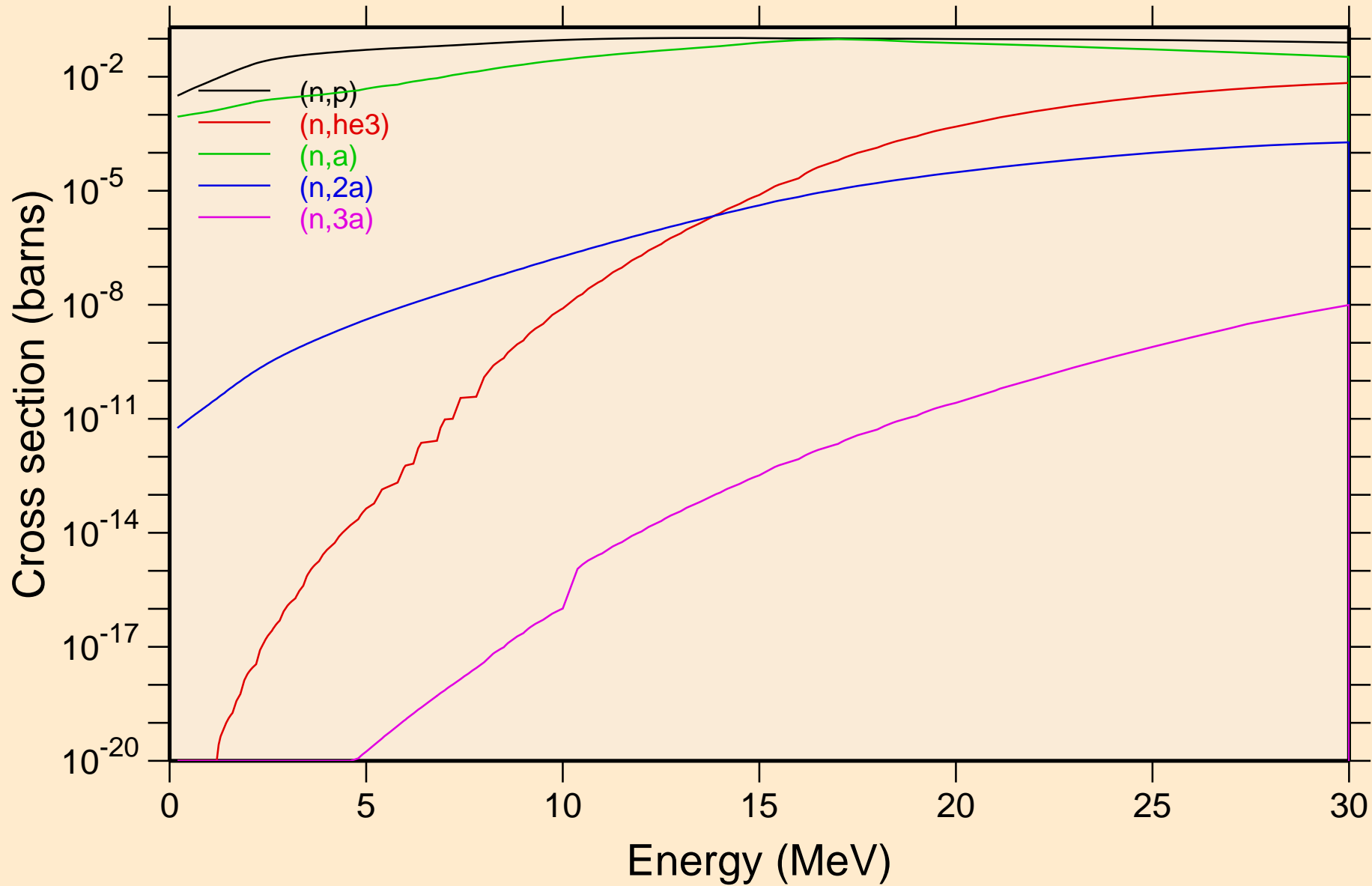
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Damage



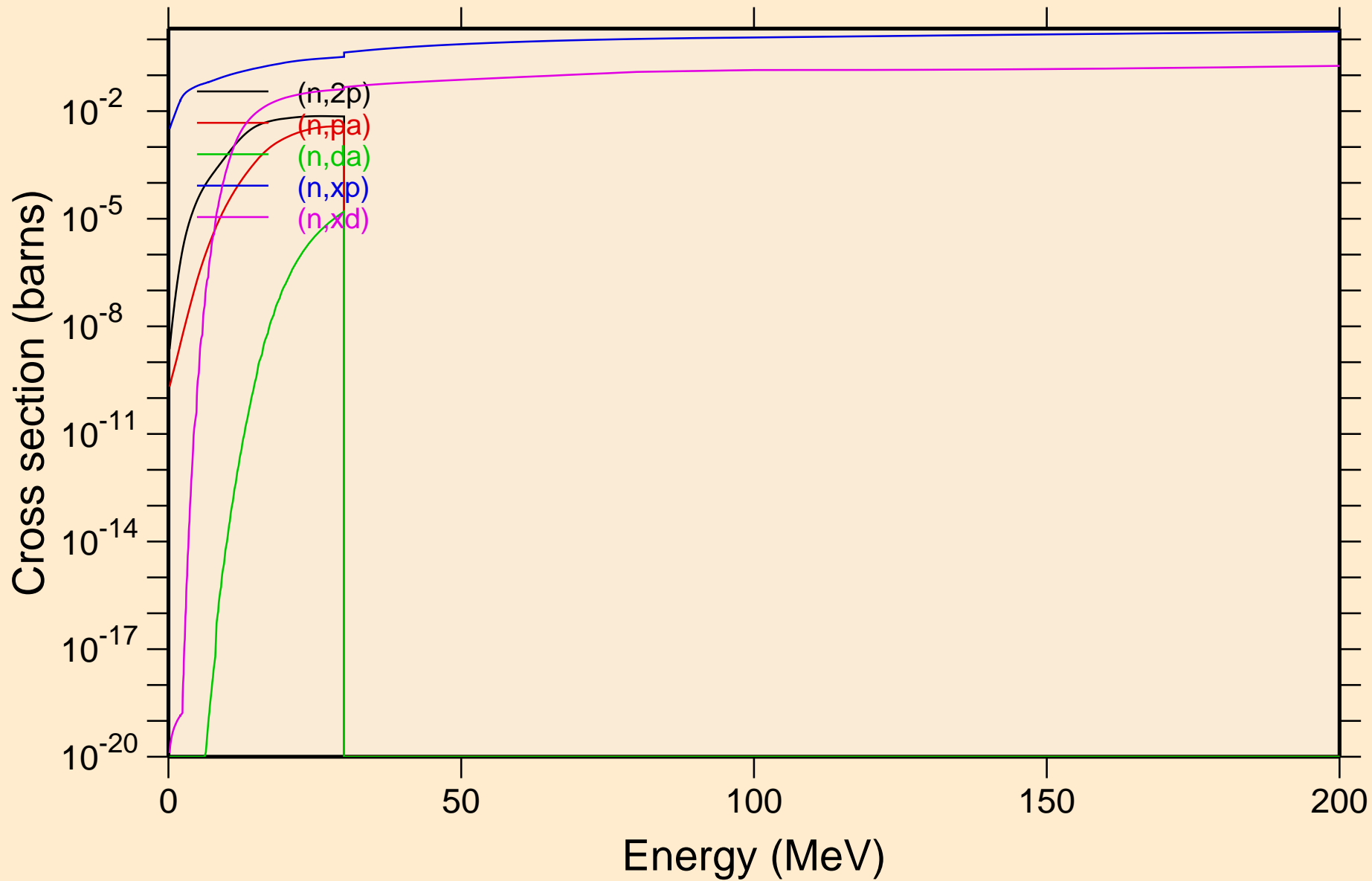
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Non-threshold reactions



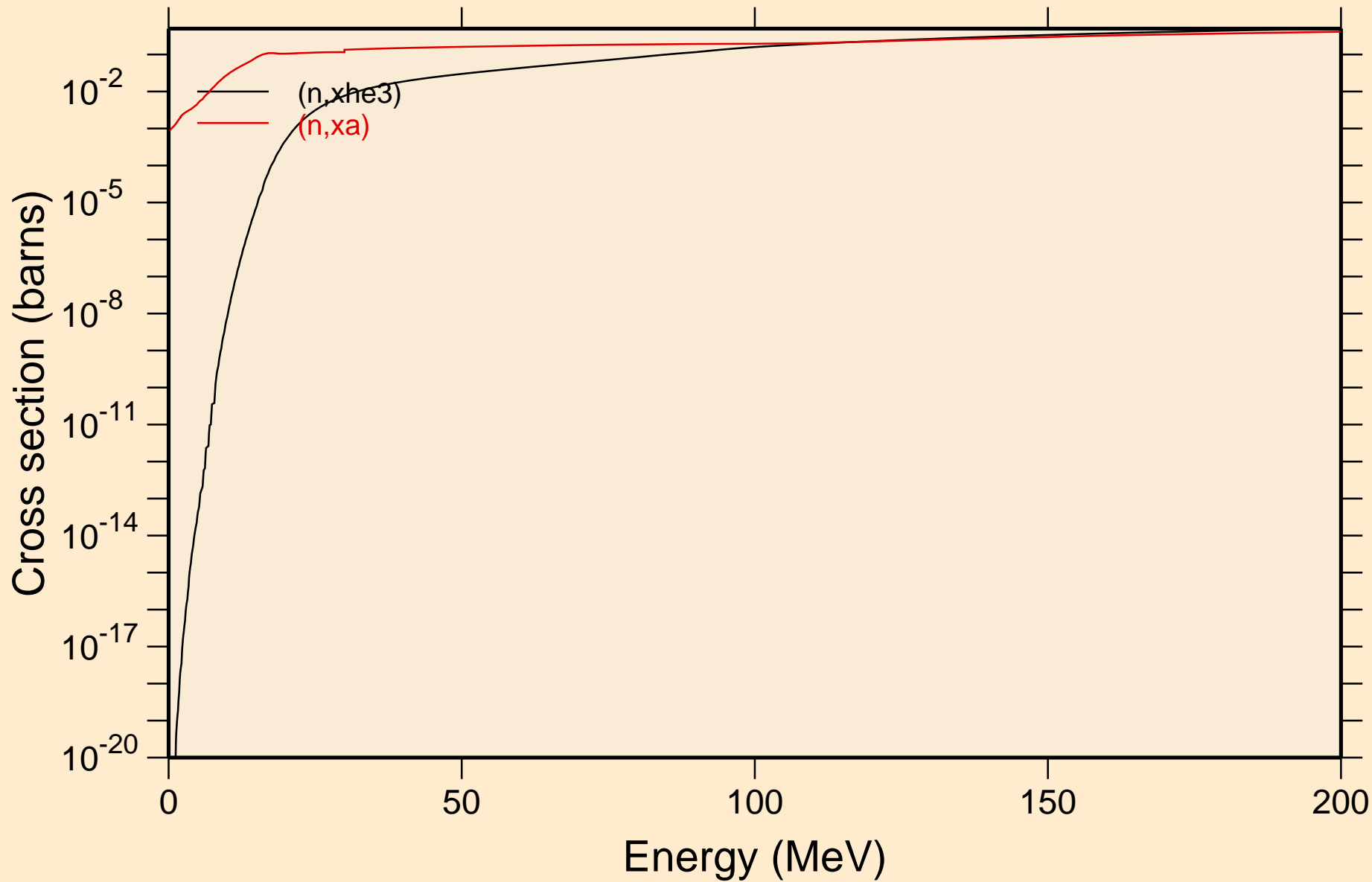
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Non-threshold reactions



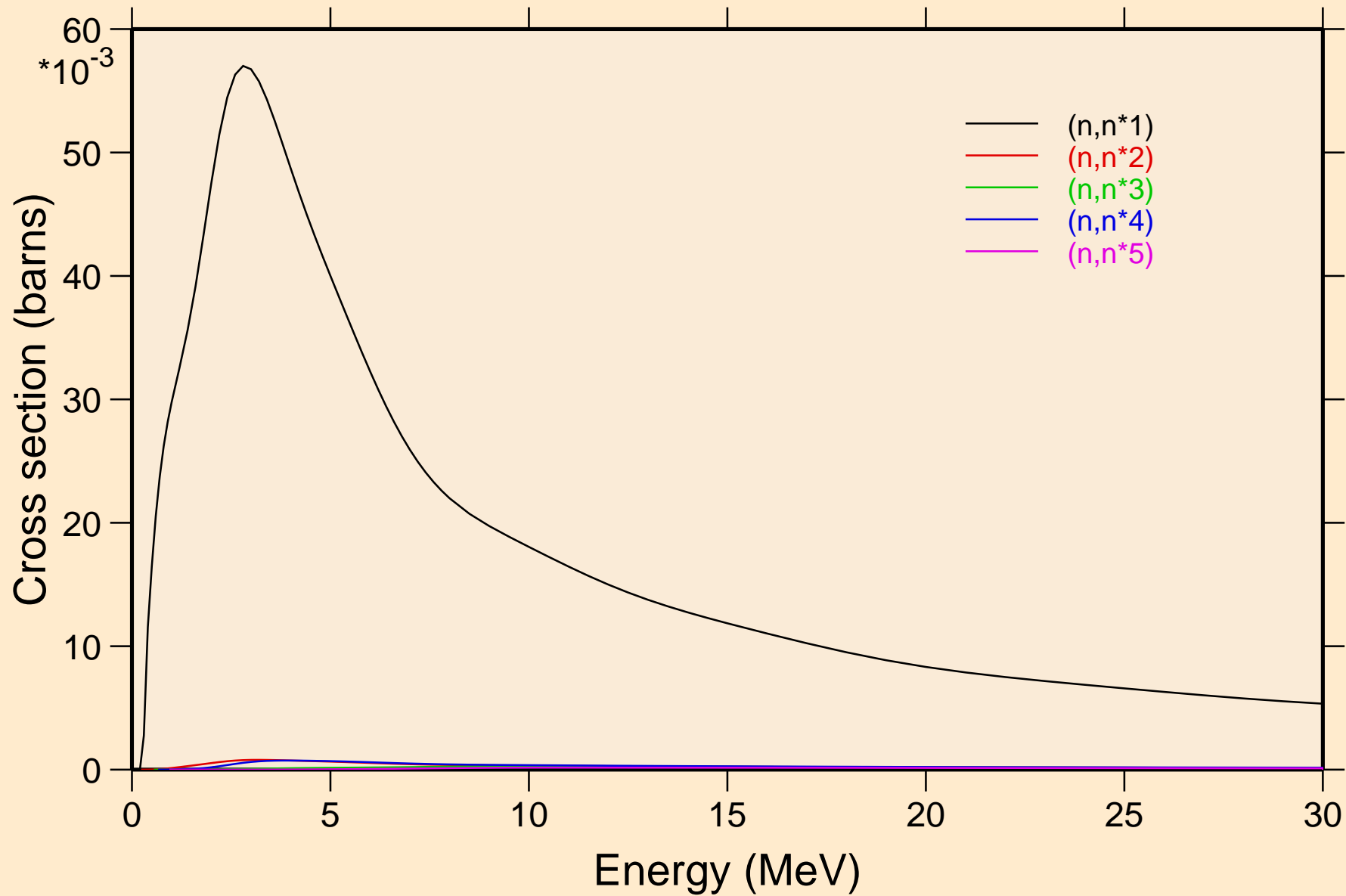
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Non-threshold reactions



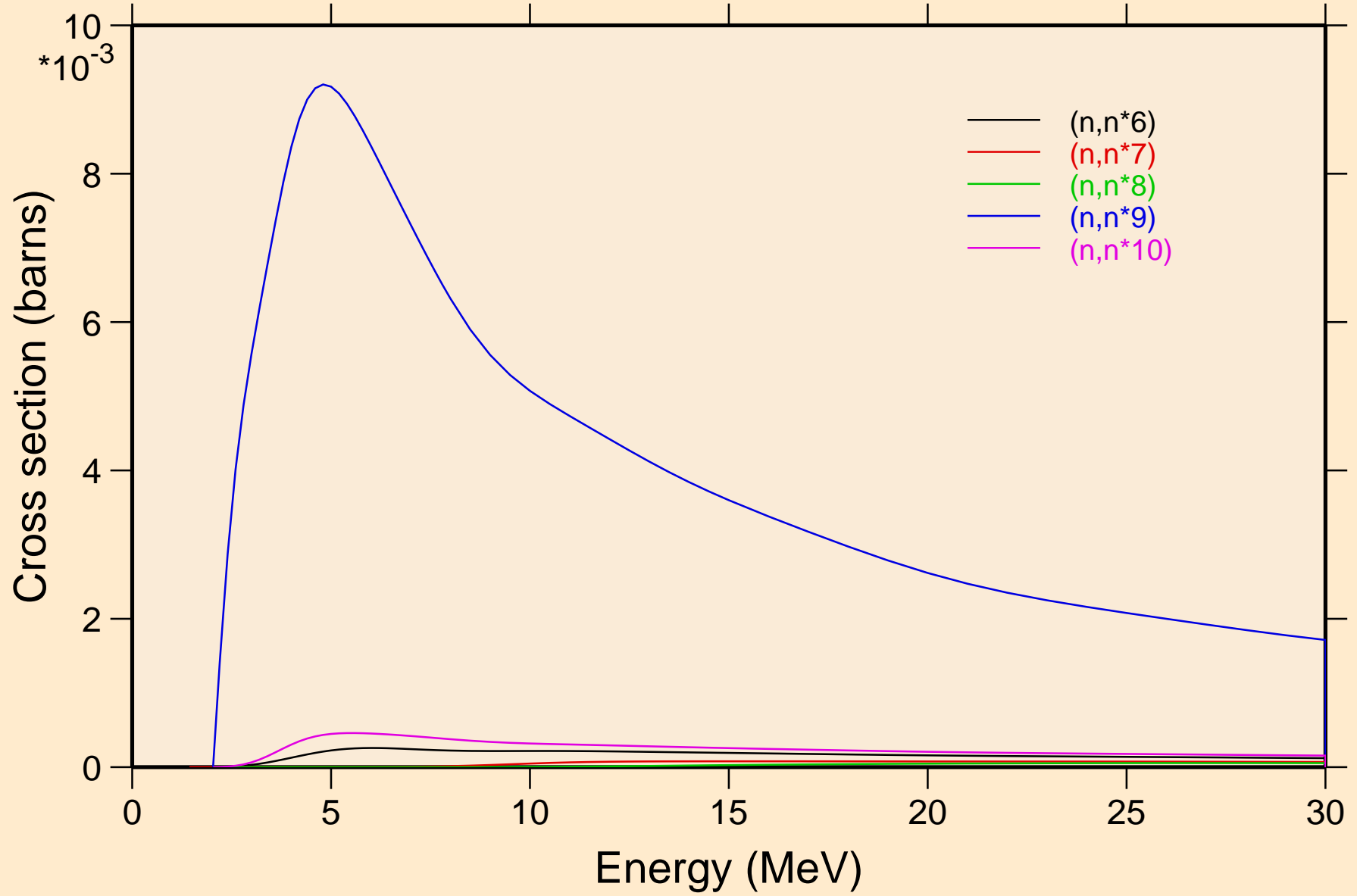
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Non-threshold reactions



PO195 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

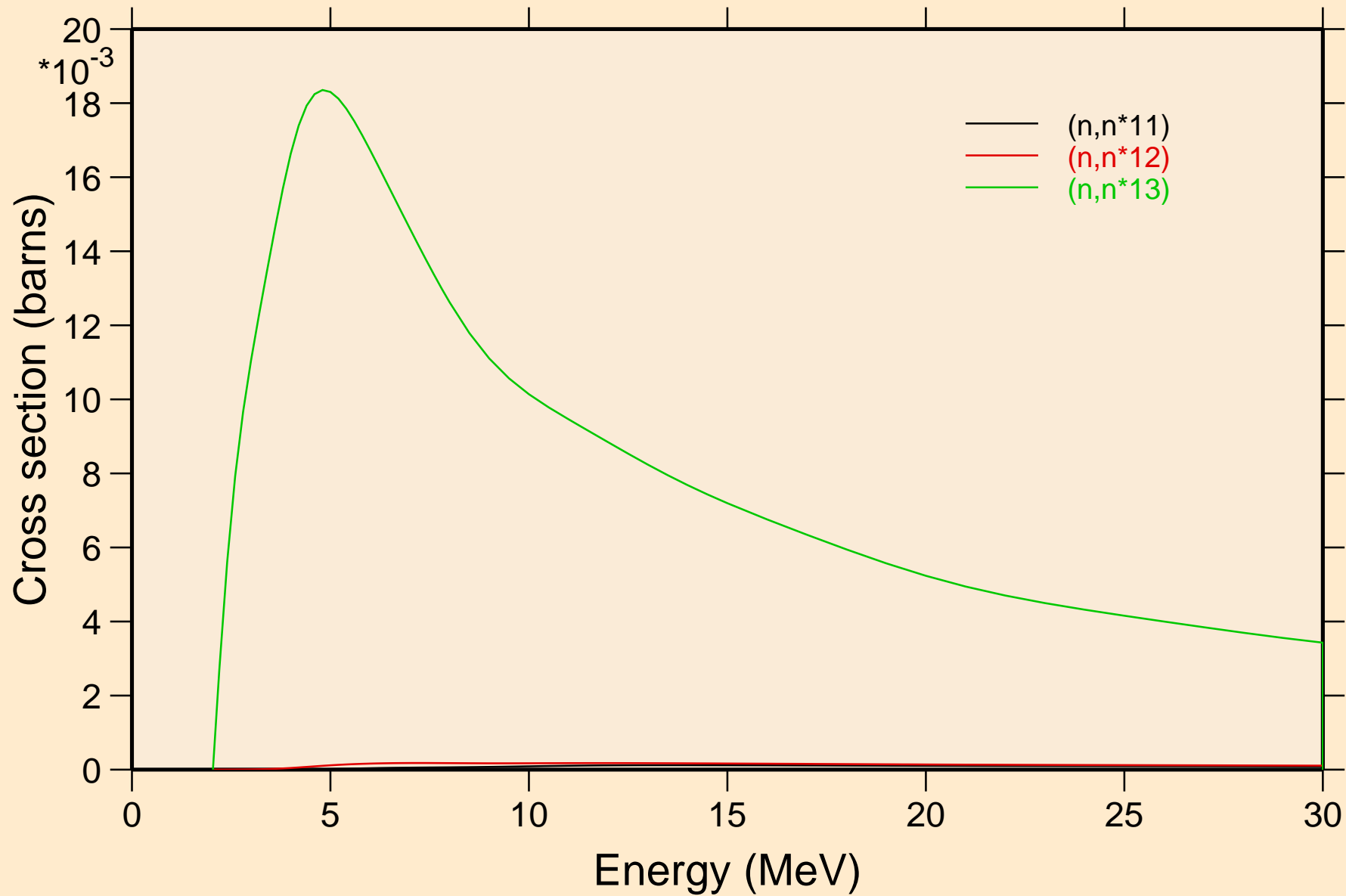


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Inelastic levels

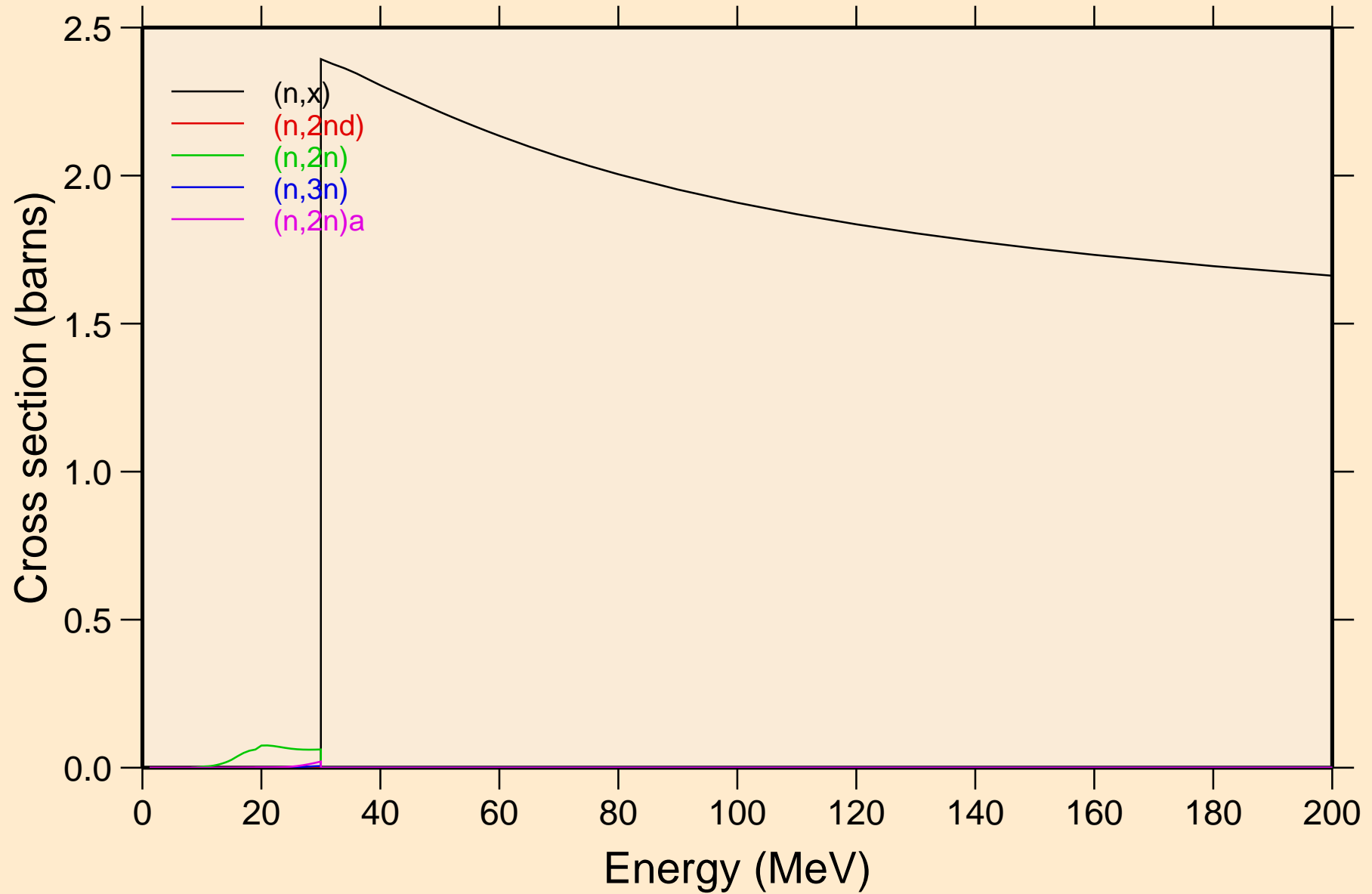




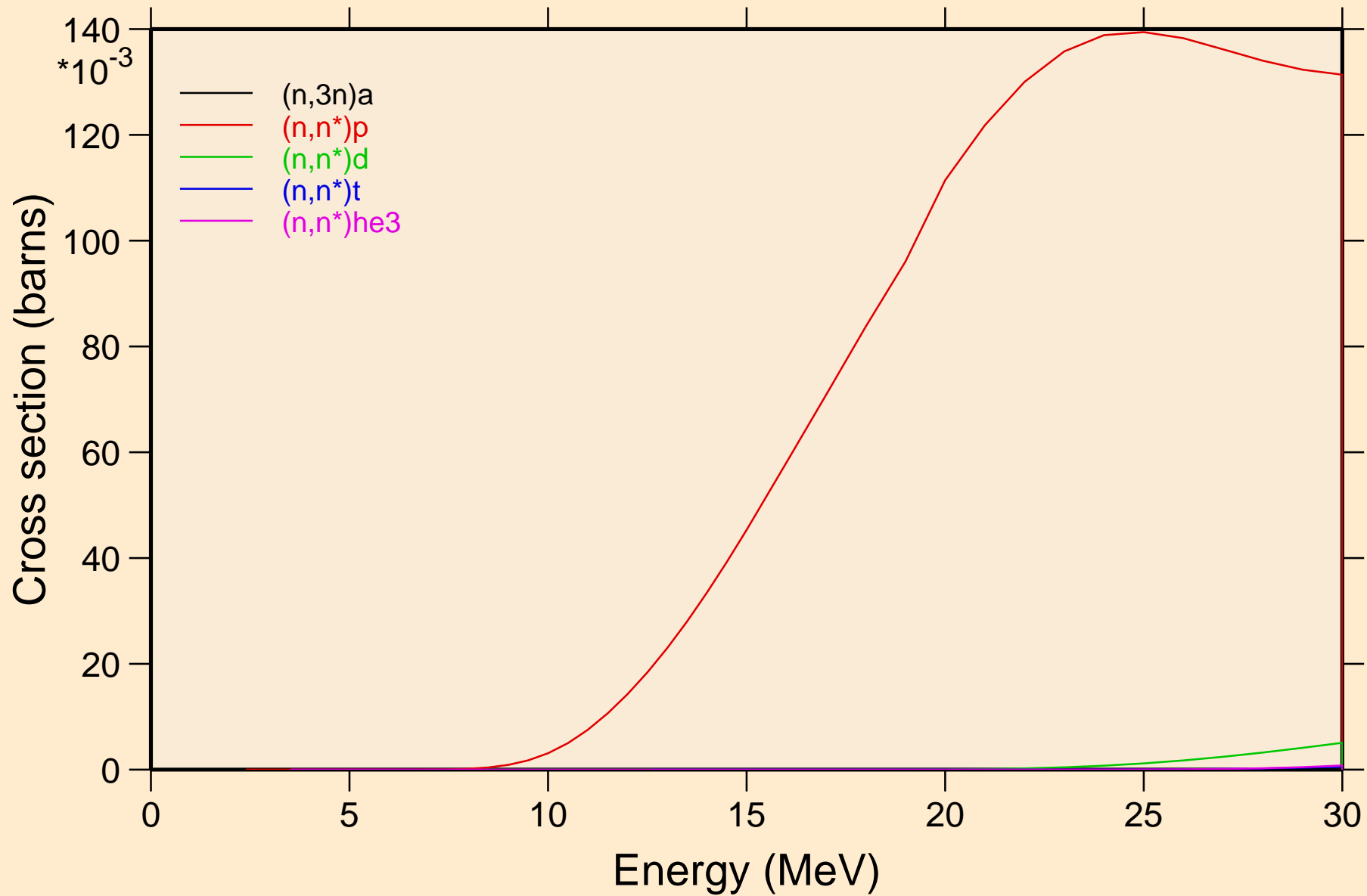
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Inelastic levels



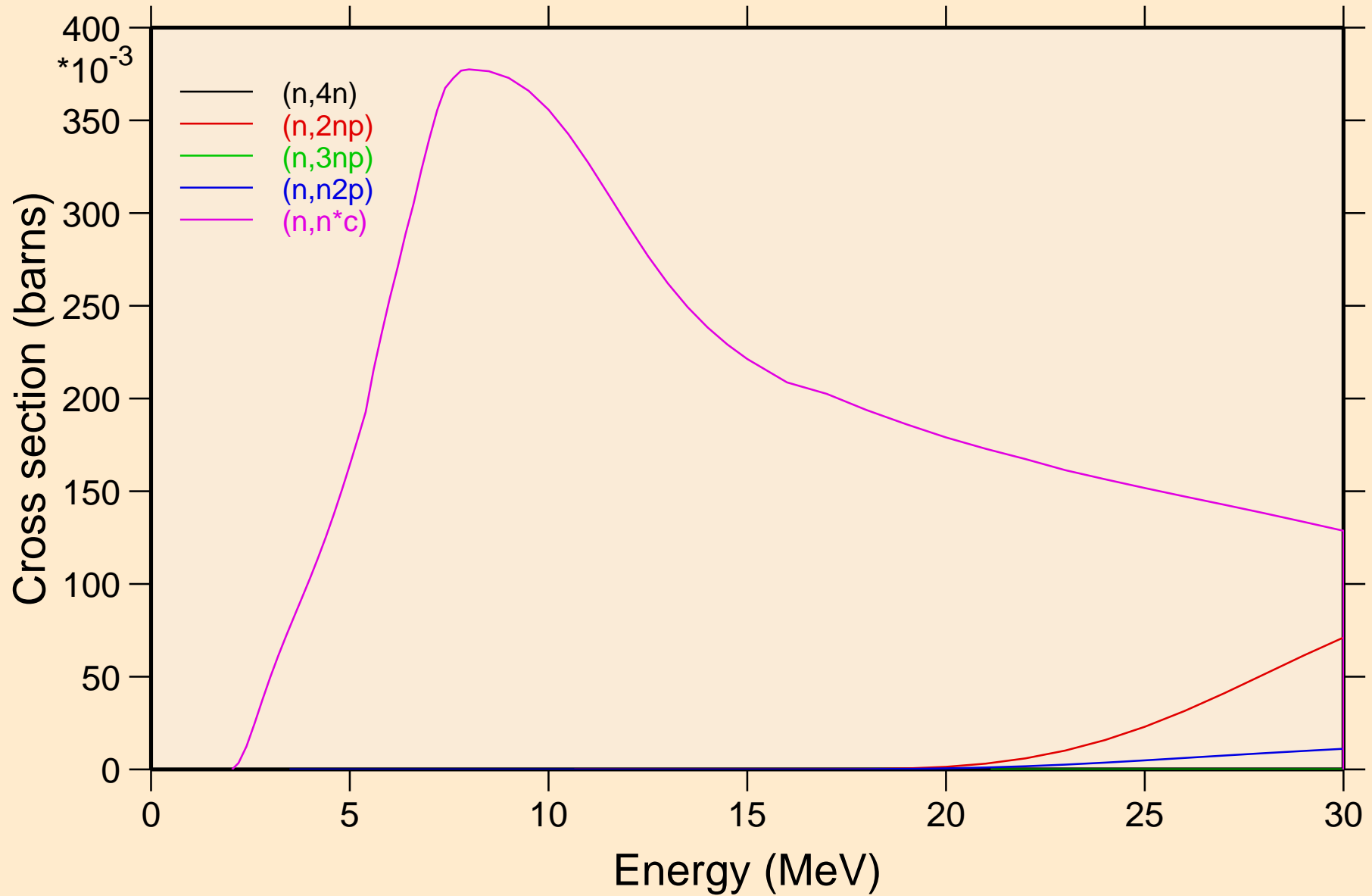
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Threshold reactions



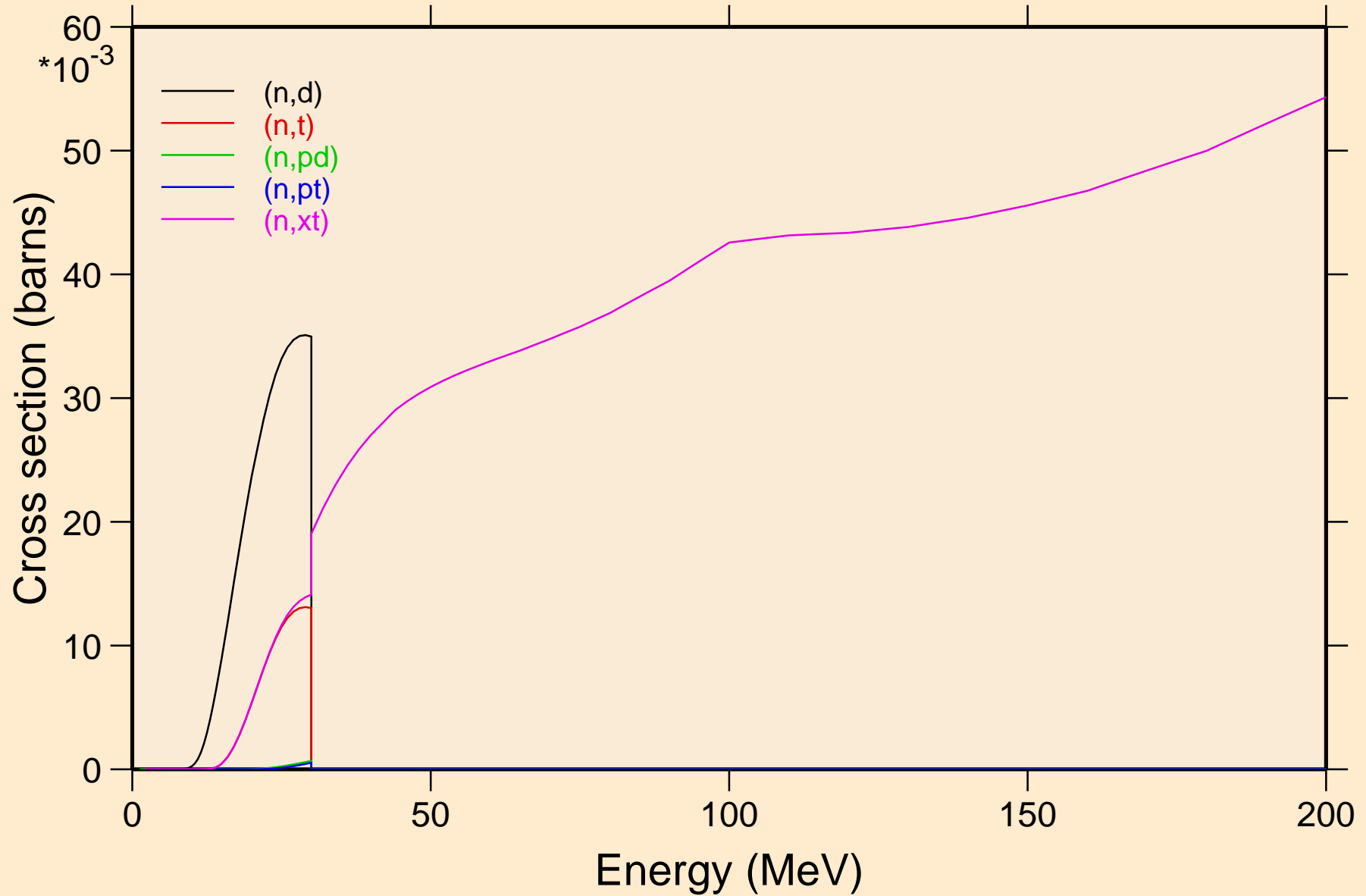
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Threshold reactions



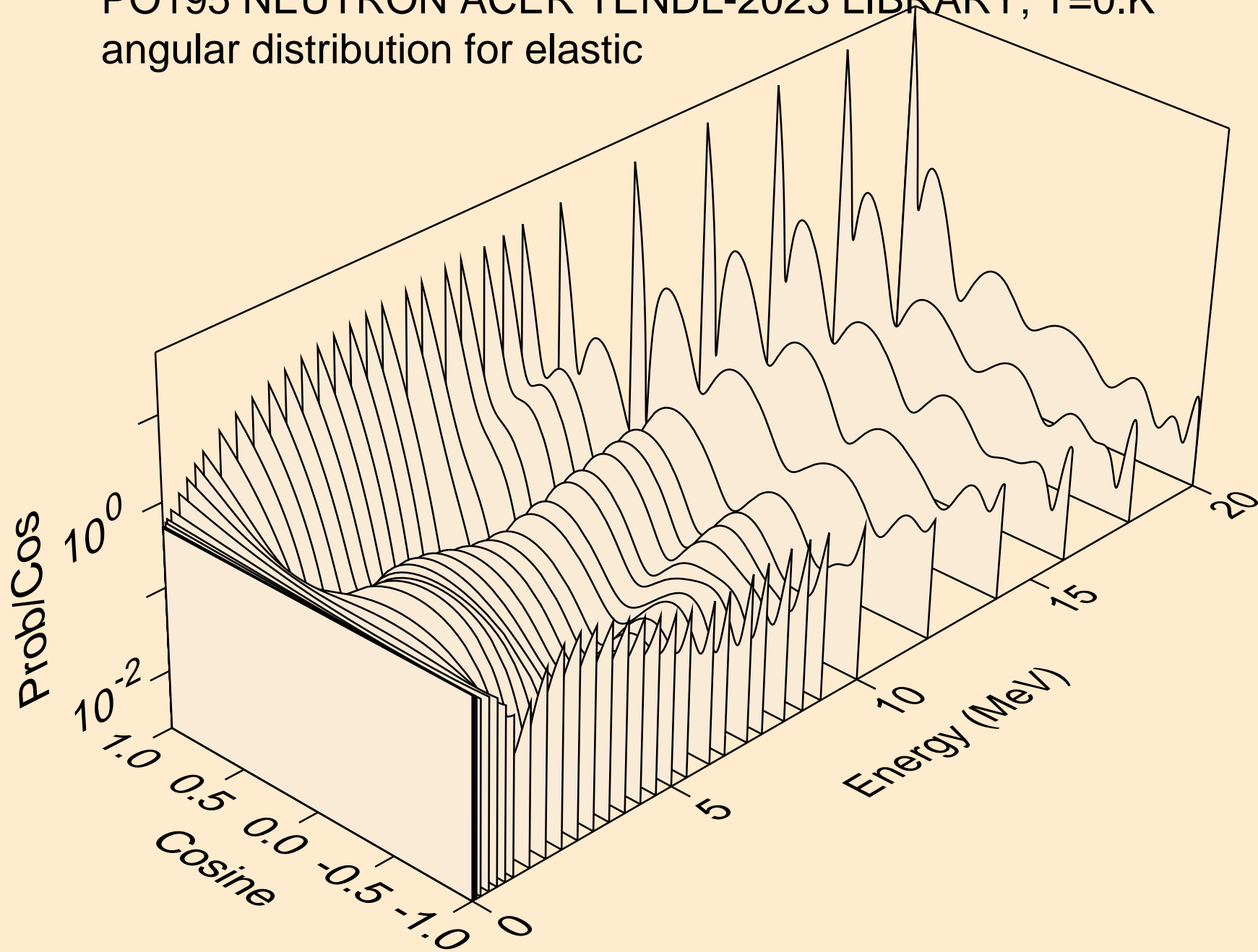
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Threshold reactions



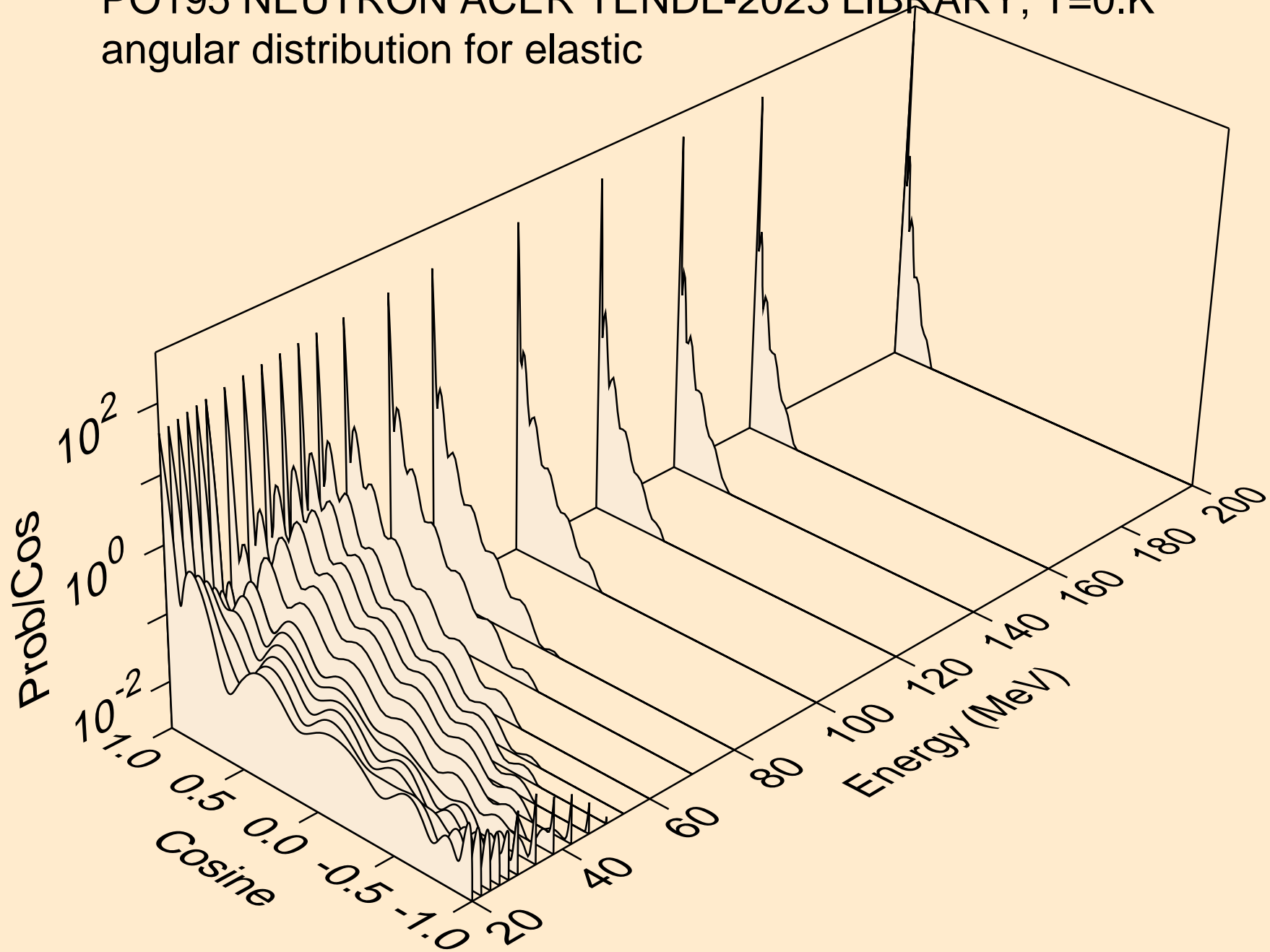
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Threshold reactions



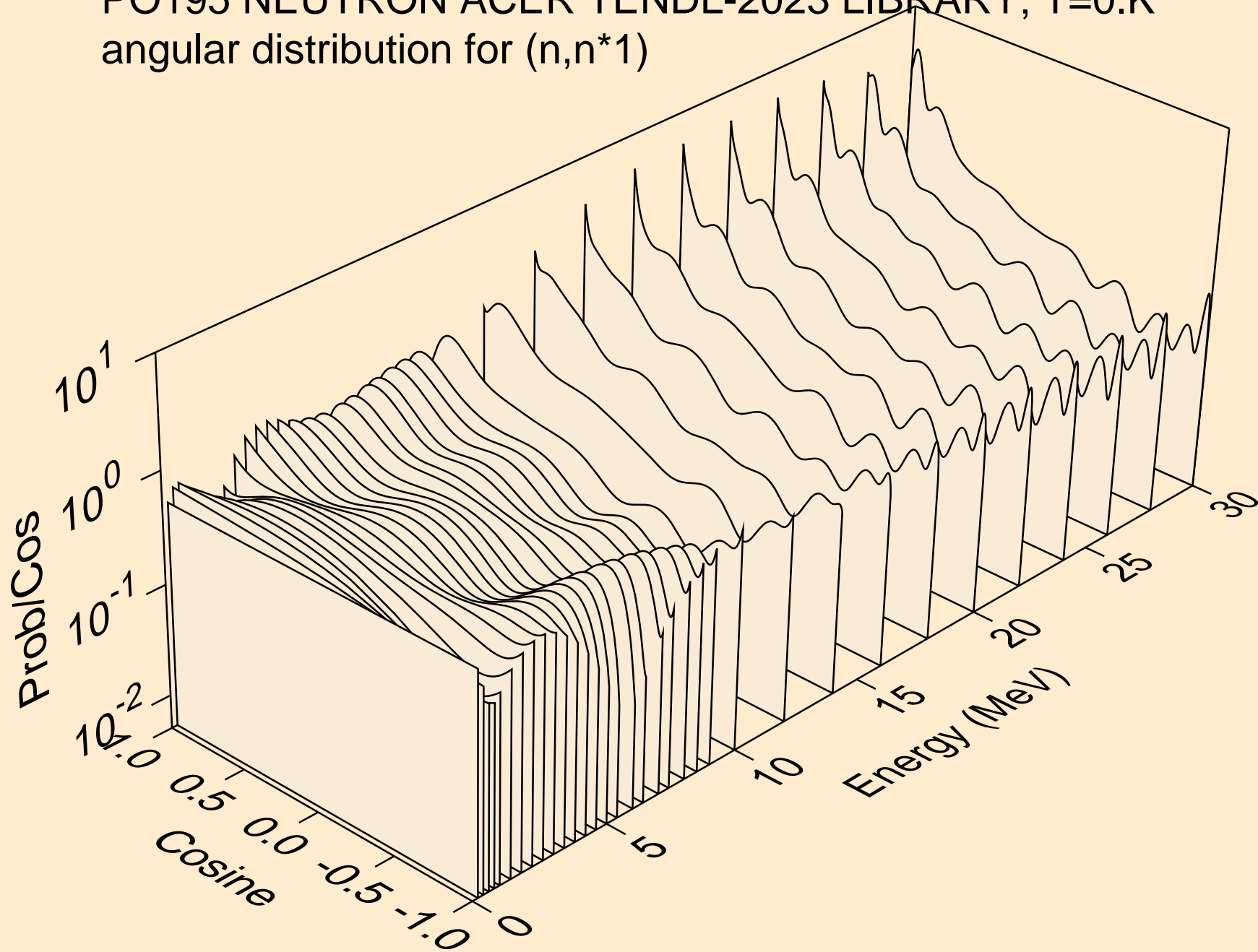
PO195 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



PO195 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic

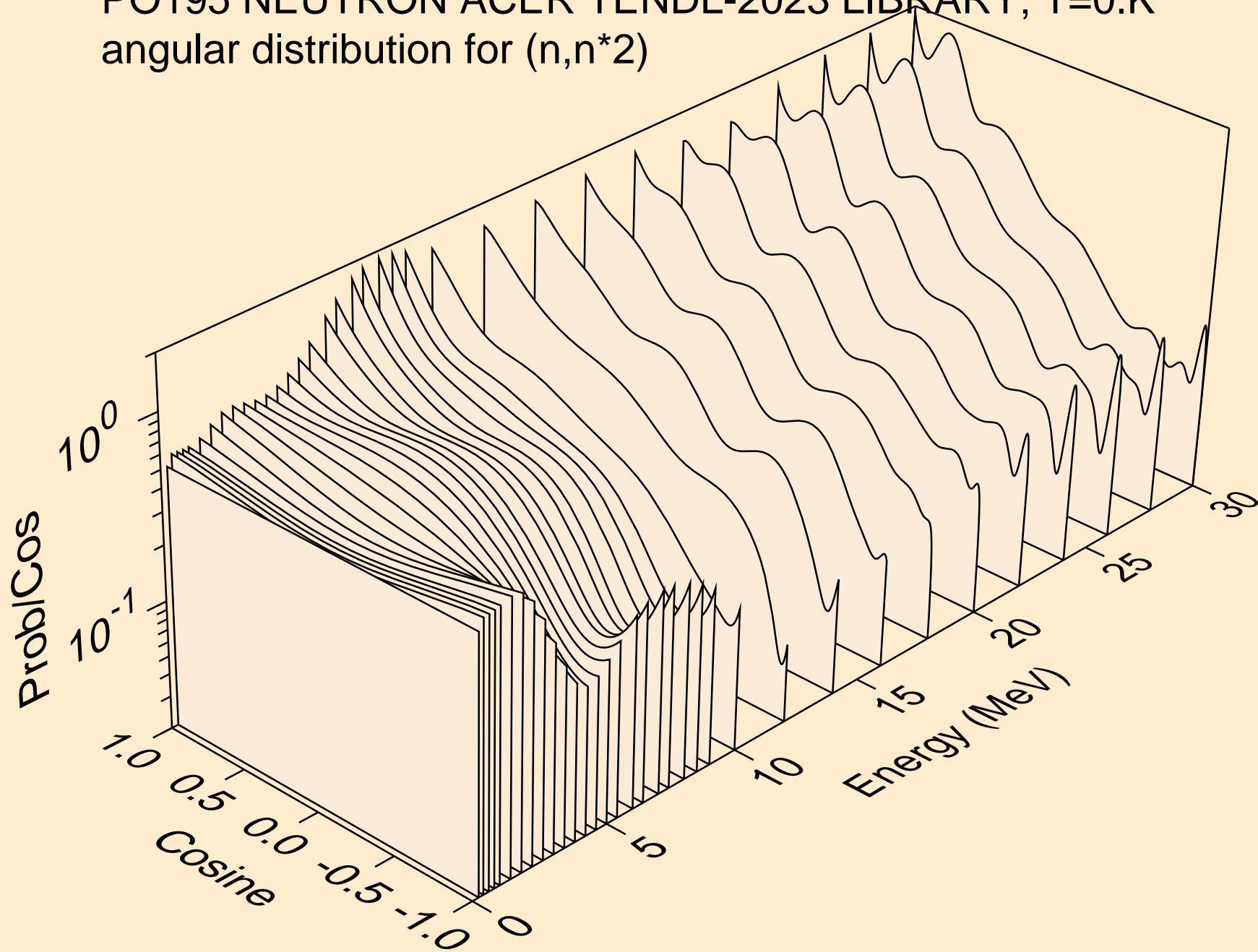


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angular distribution for (n,n\*1)

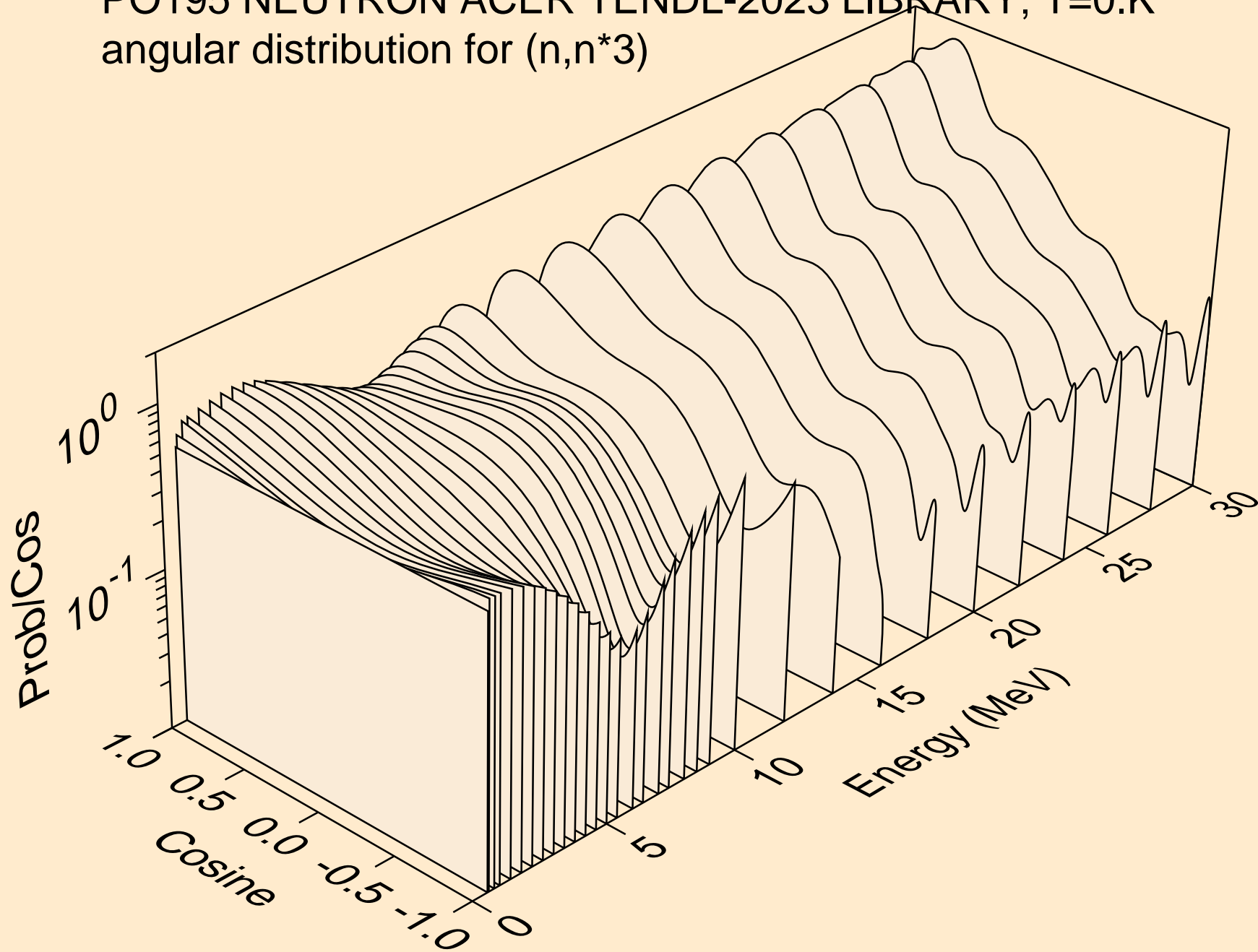




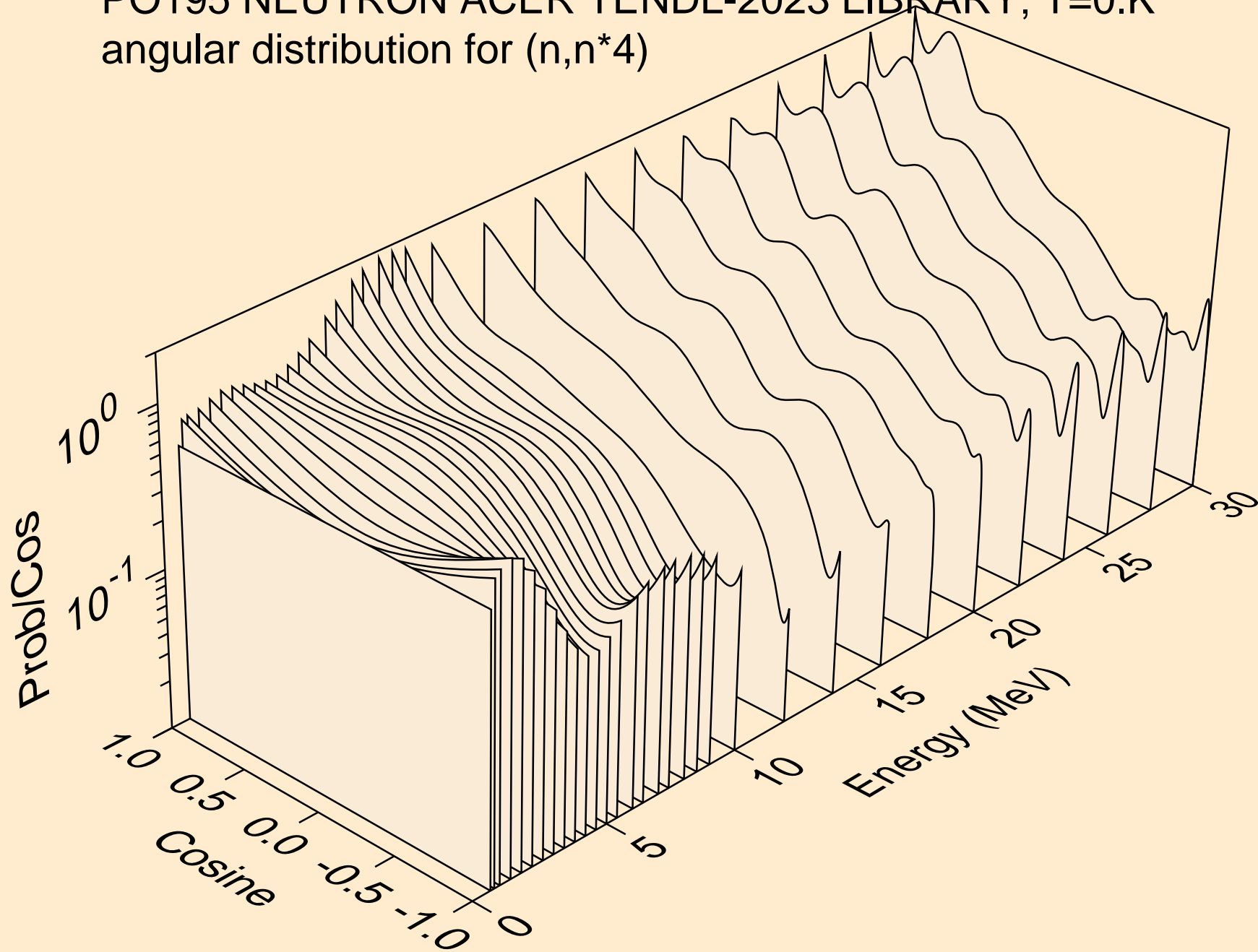
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angular distribution for (n,n\*2)



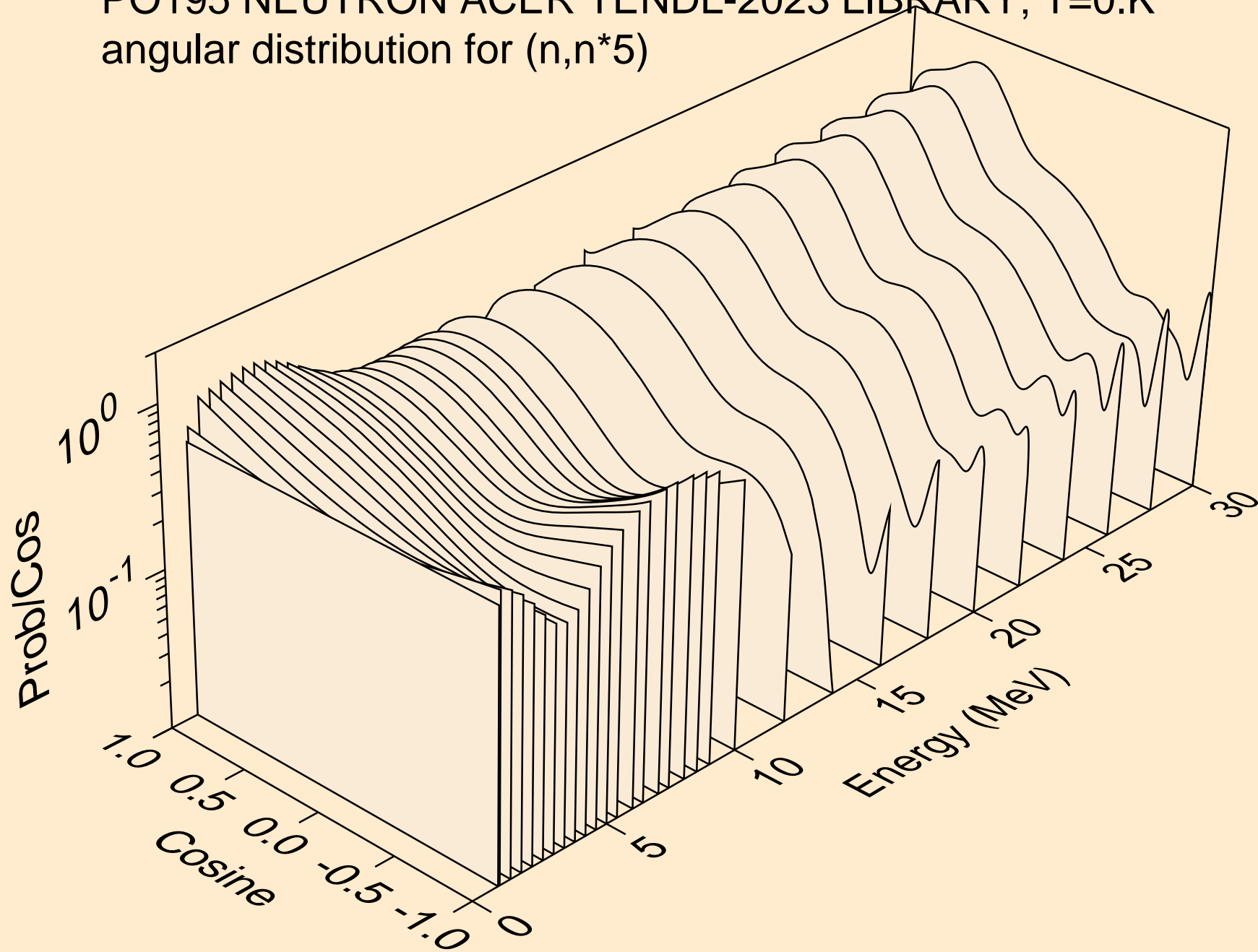
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angular distribution for (n,n\*3)



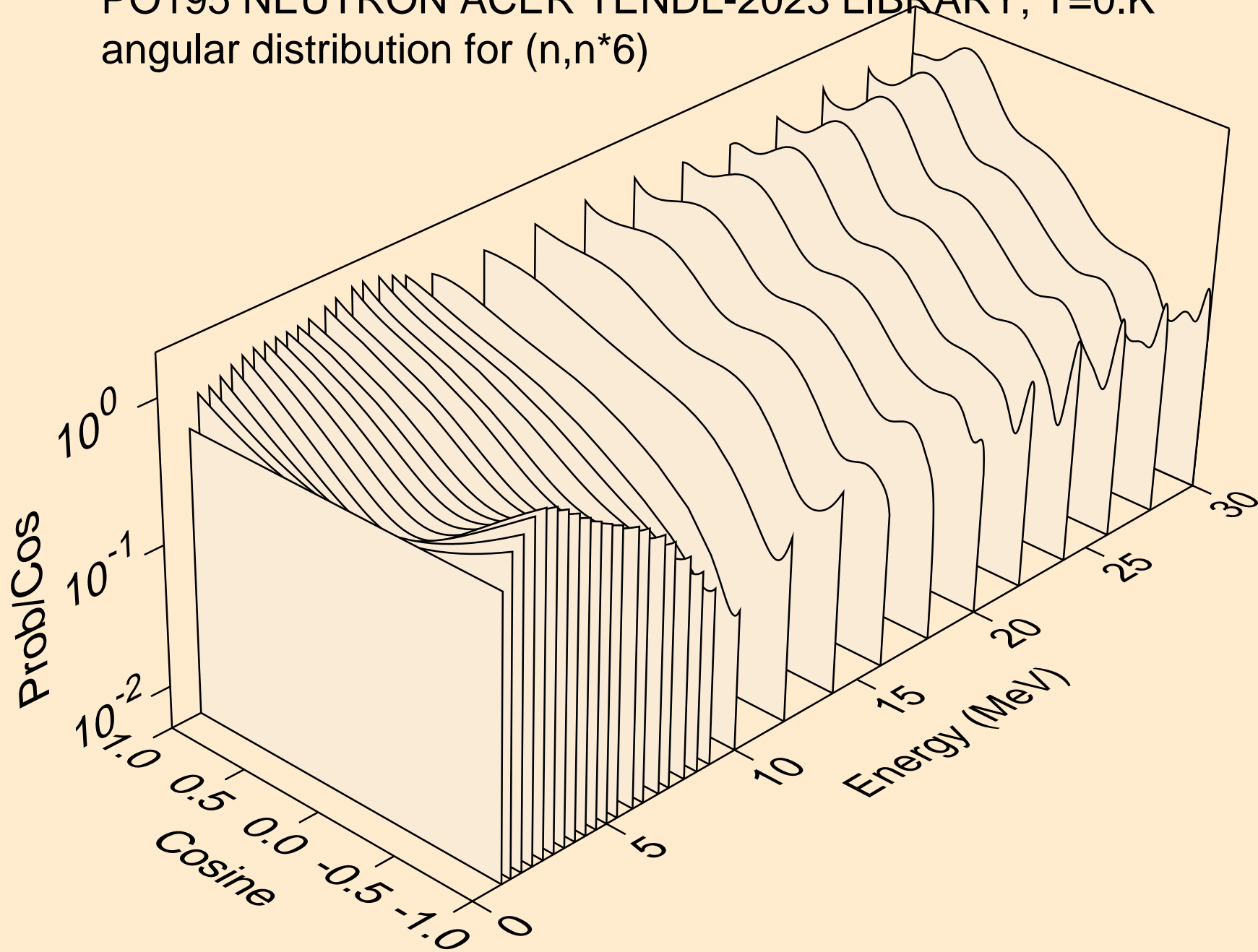
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angular distribution for (n,n\*4)



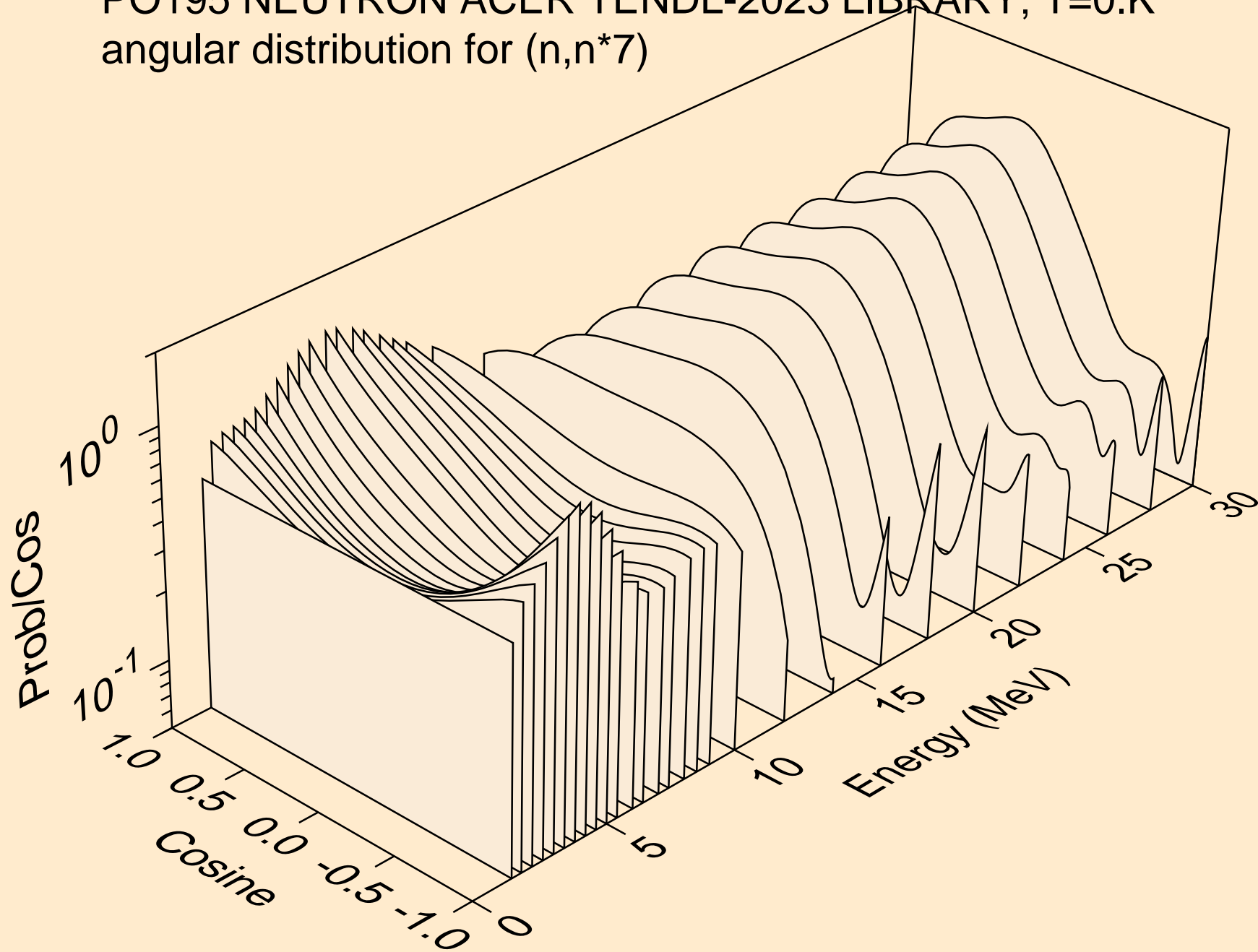
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angular distribution for (n,n\*5)



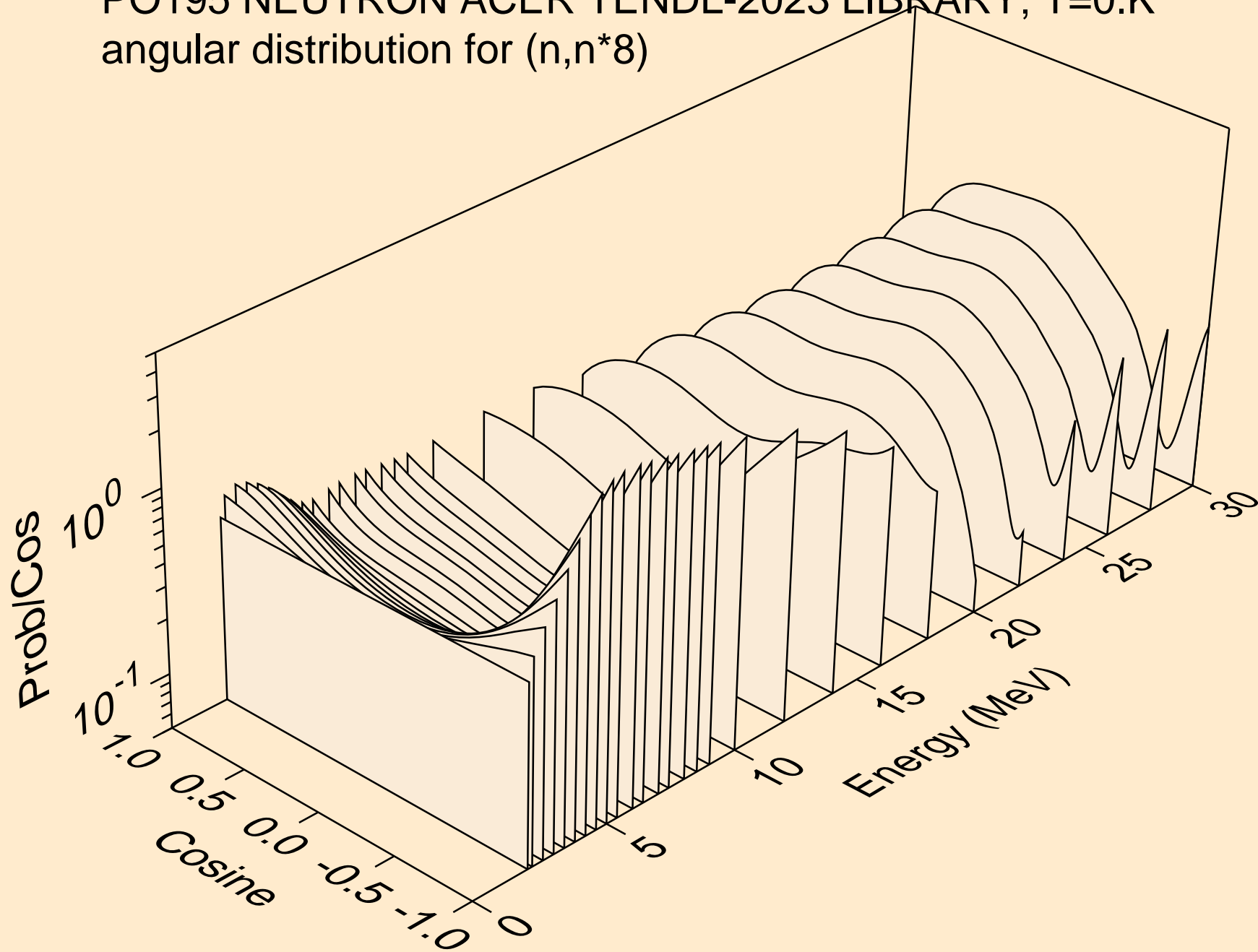
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angular distribution for (n,n\*6)



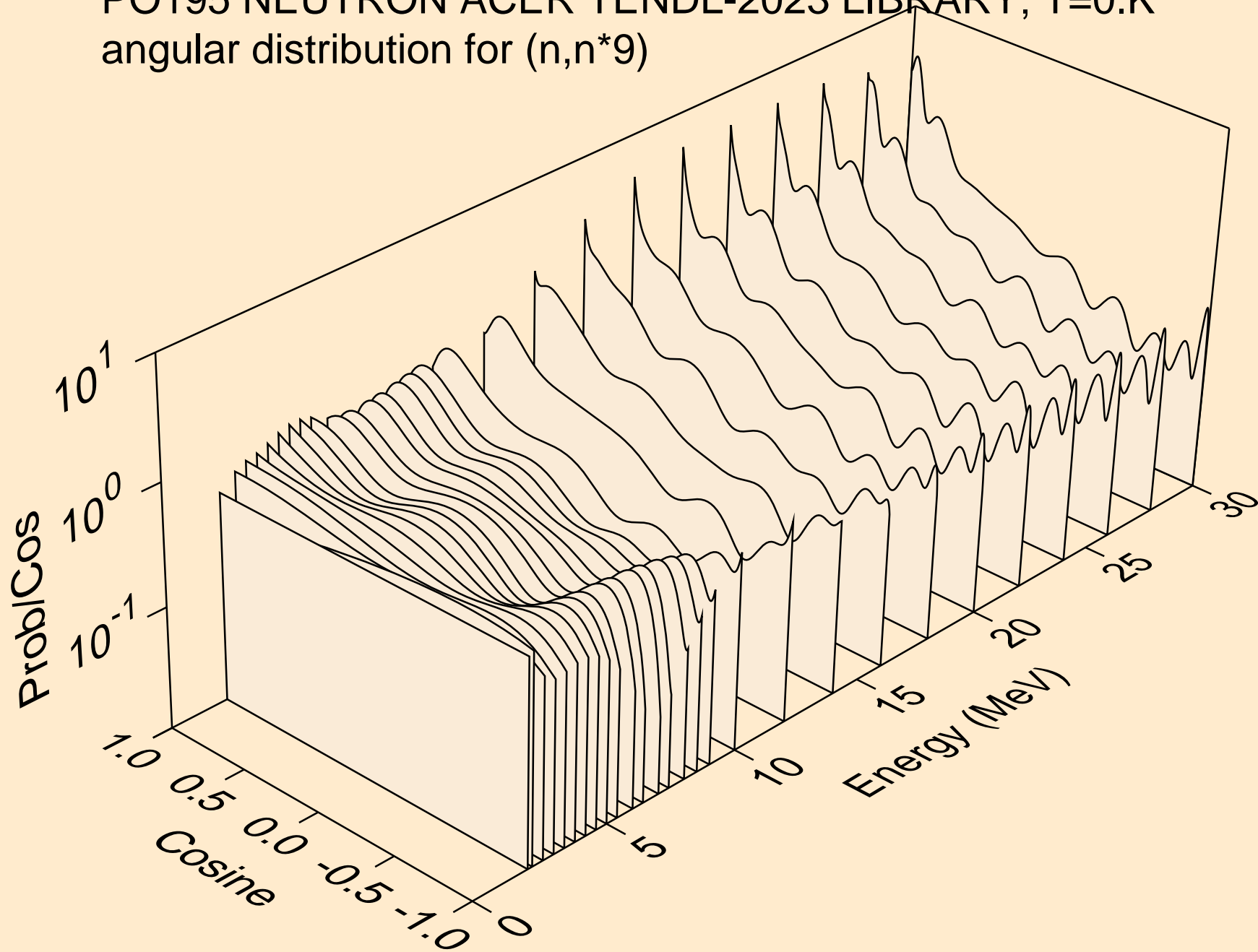
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angular distribution for (n,n\*7)



PO195 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*8)

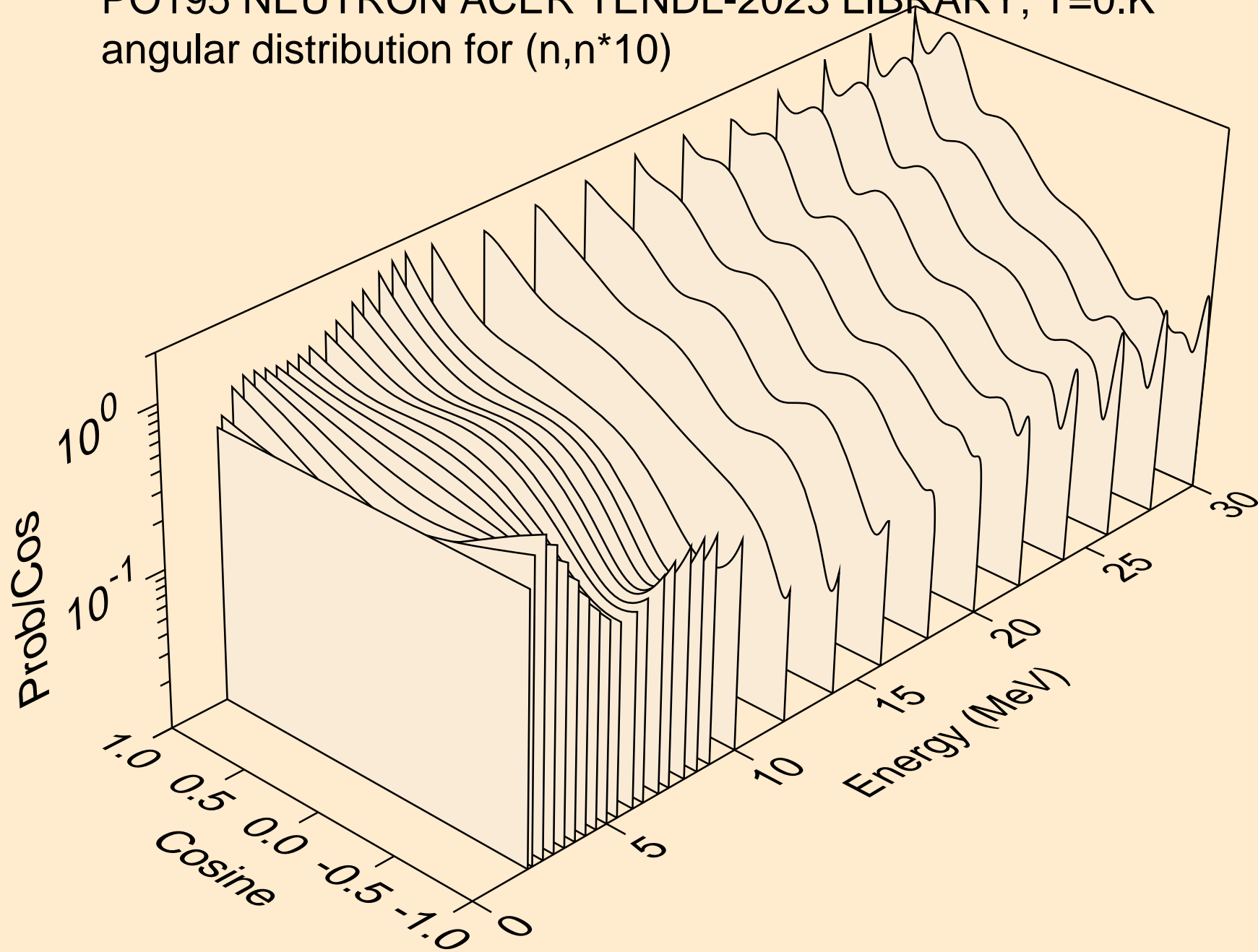


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angular distribution for (n,n\*9)

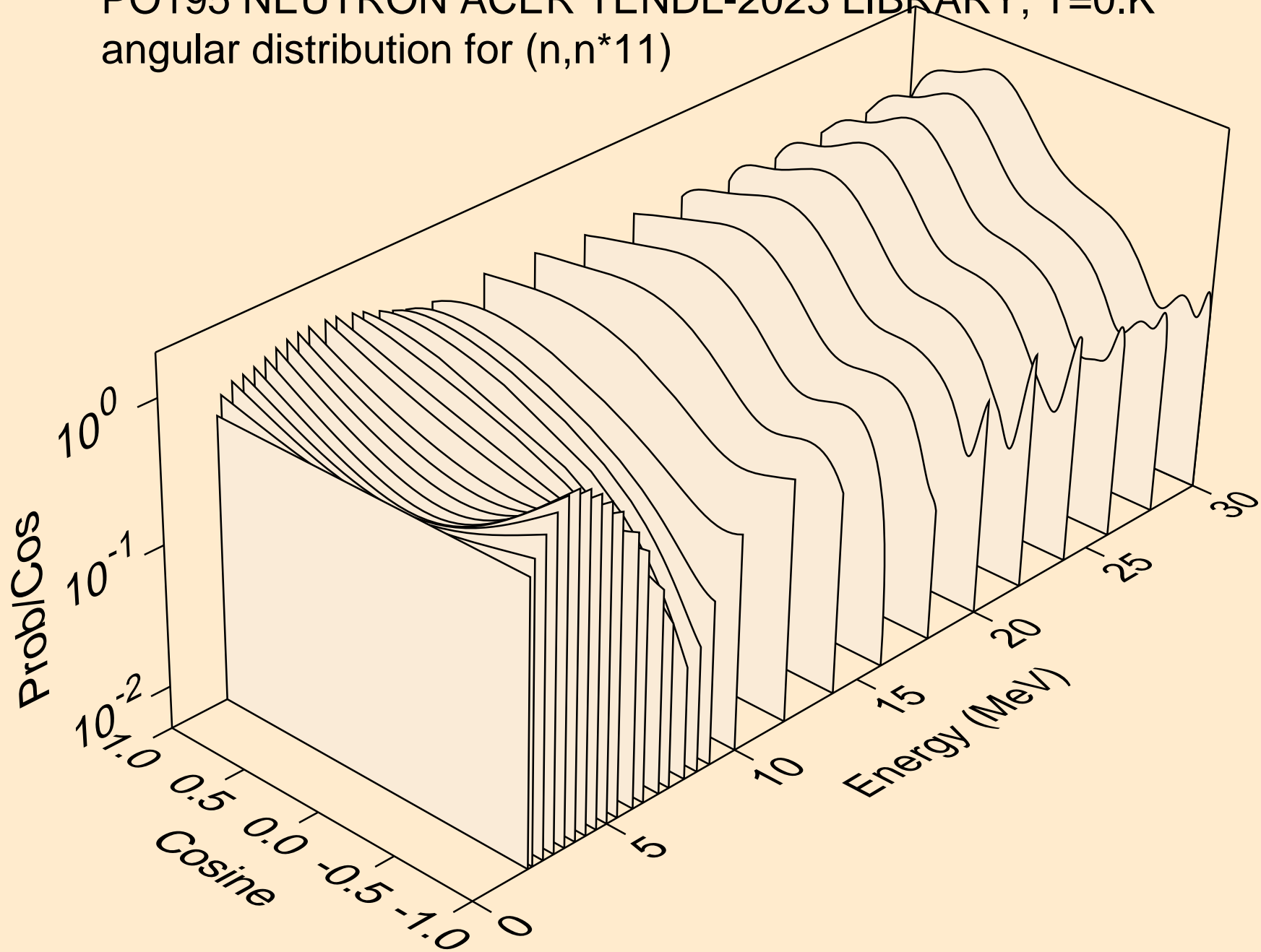




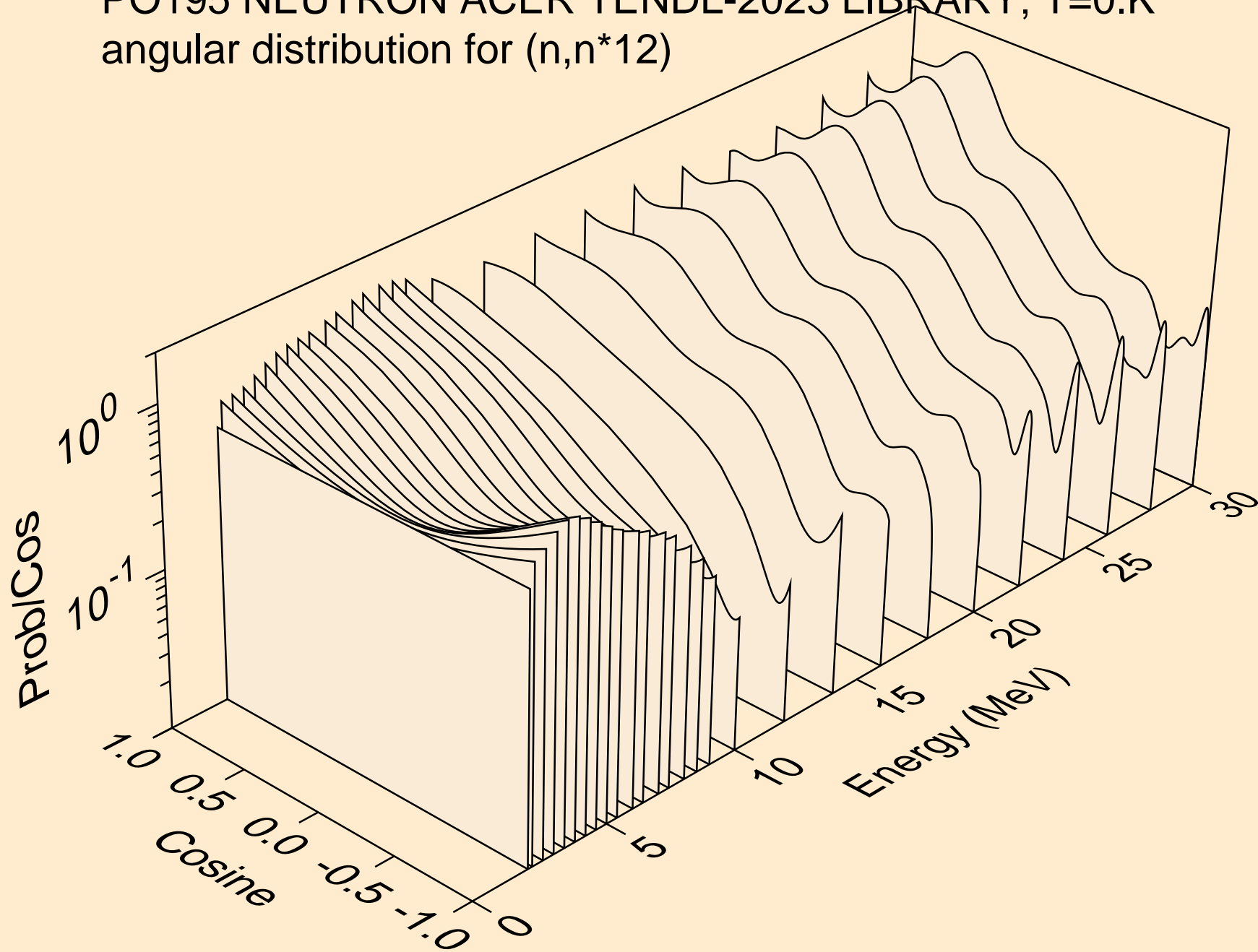
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angular distribution for (n,n\*10)



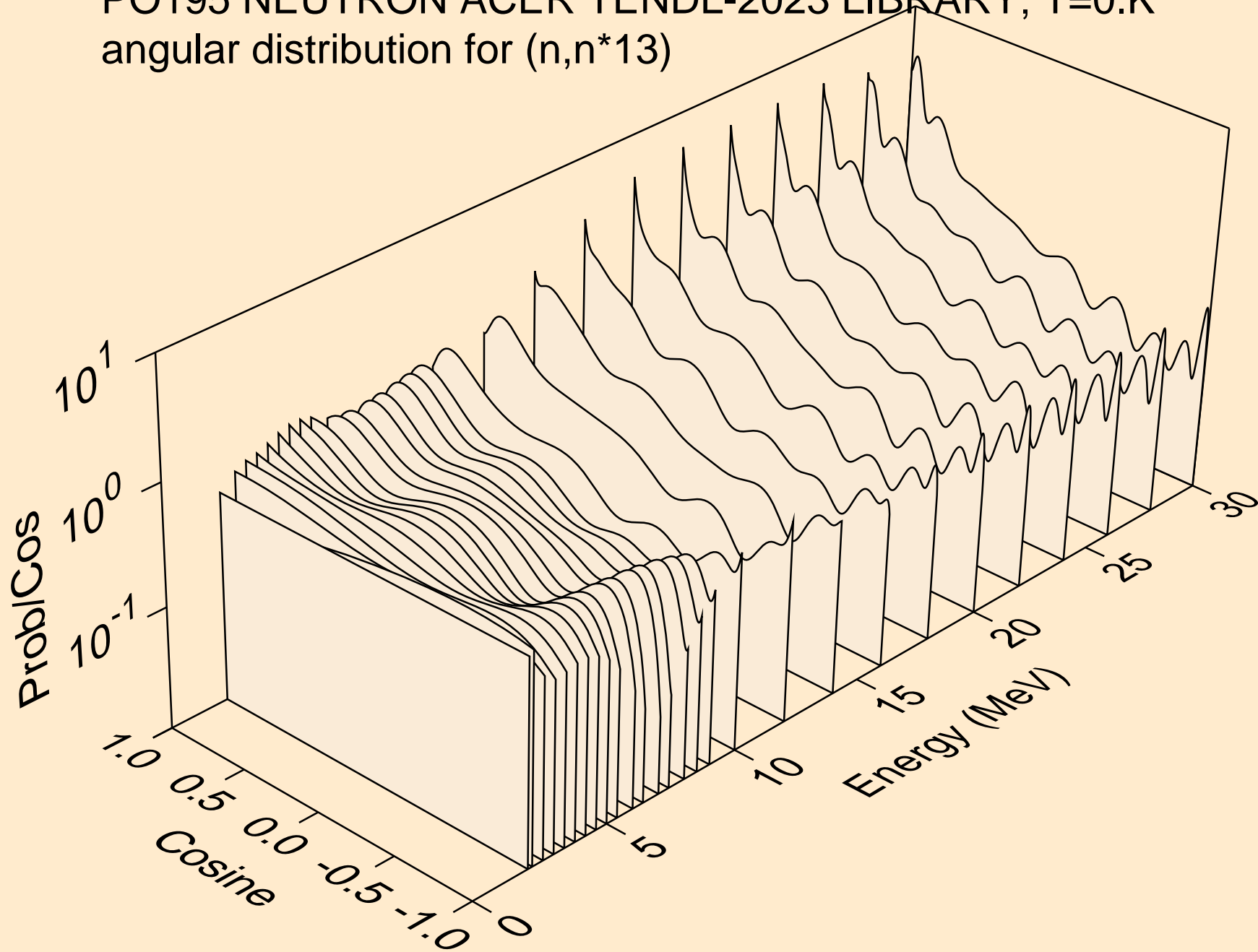
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angular distribution for (n,n\*11)



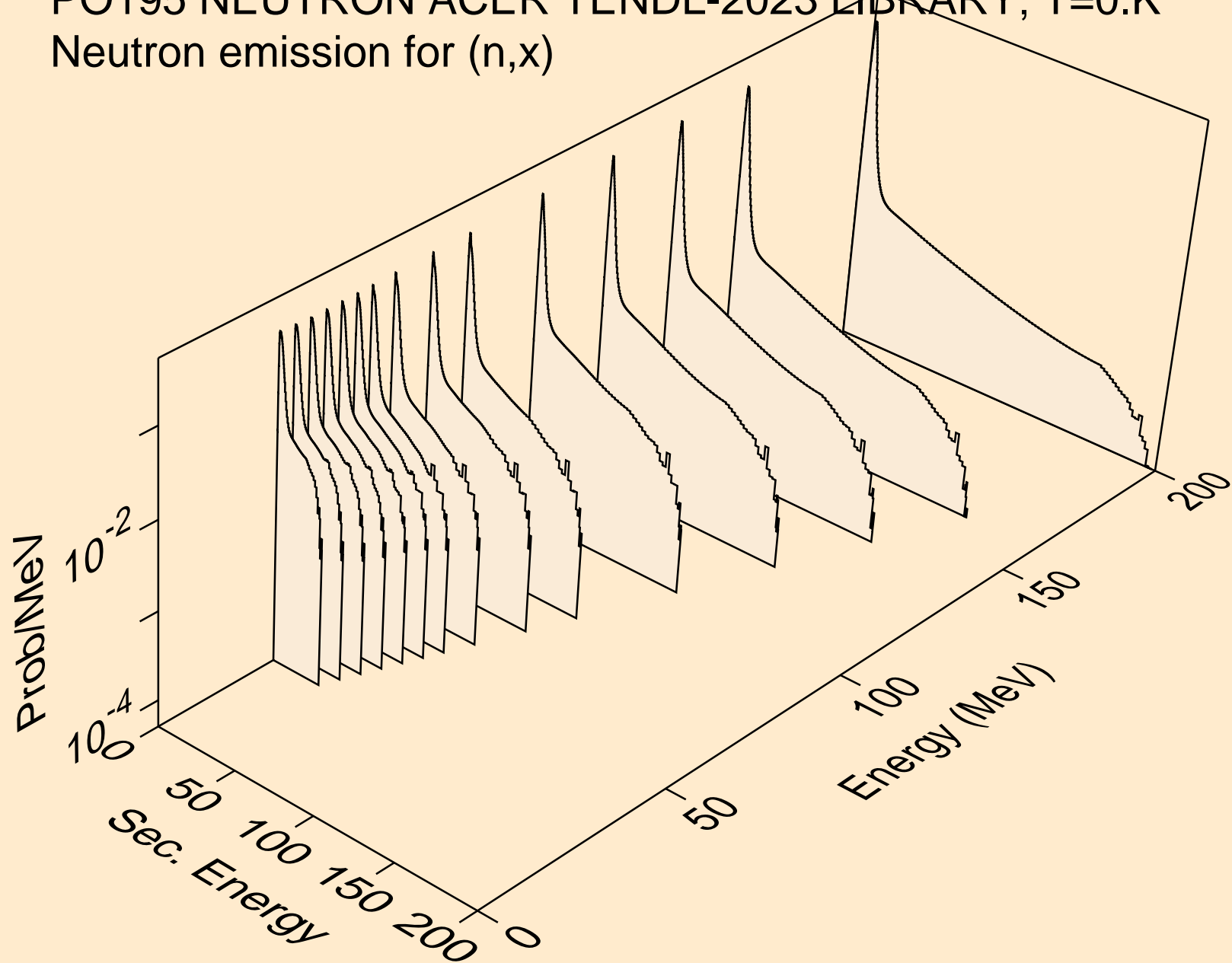
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angular distribution for (n,n\*12)



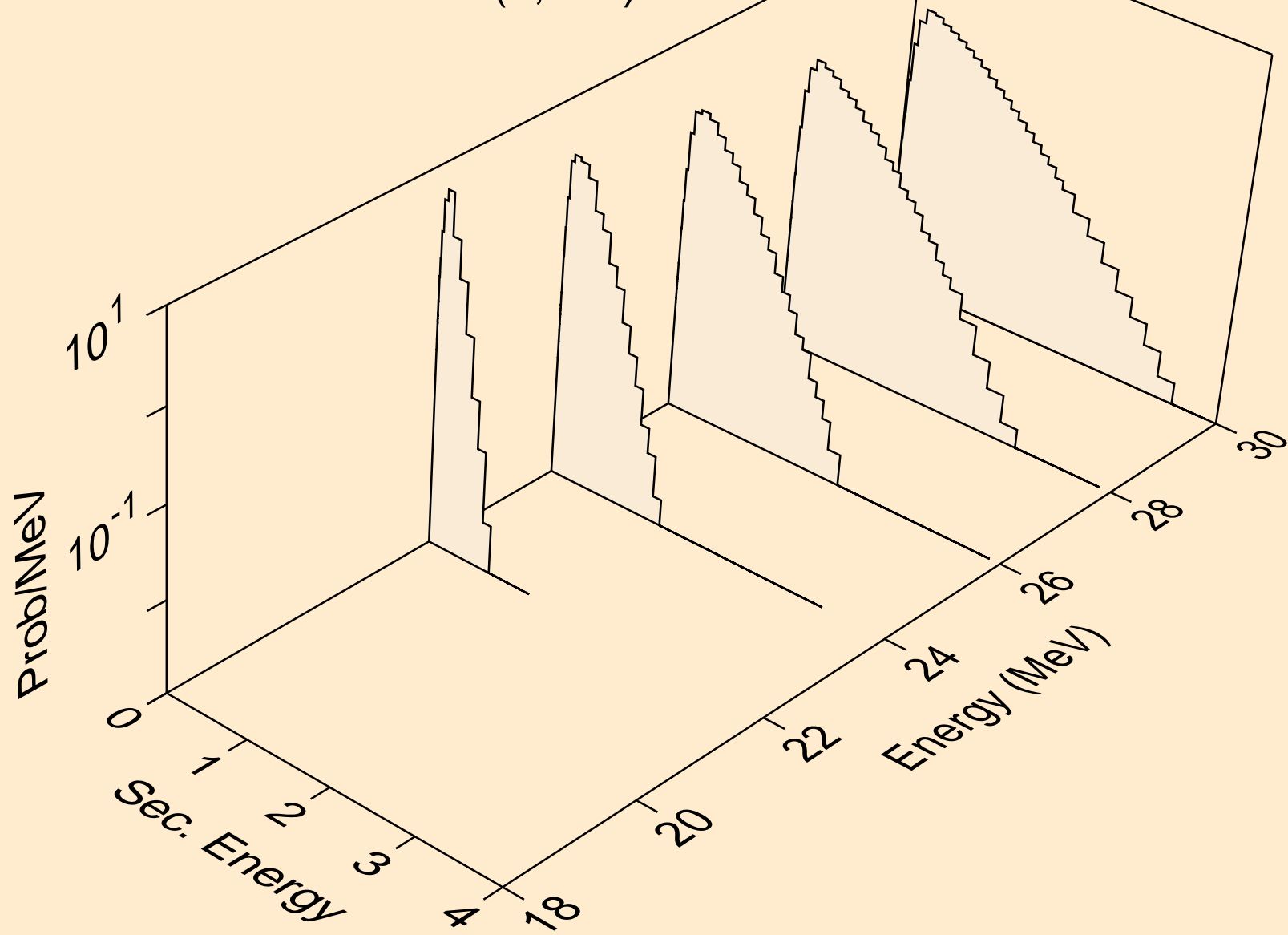
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angular distribution for (n,n\*13)



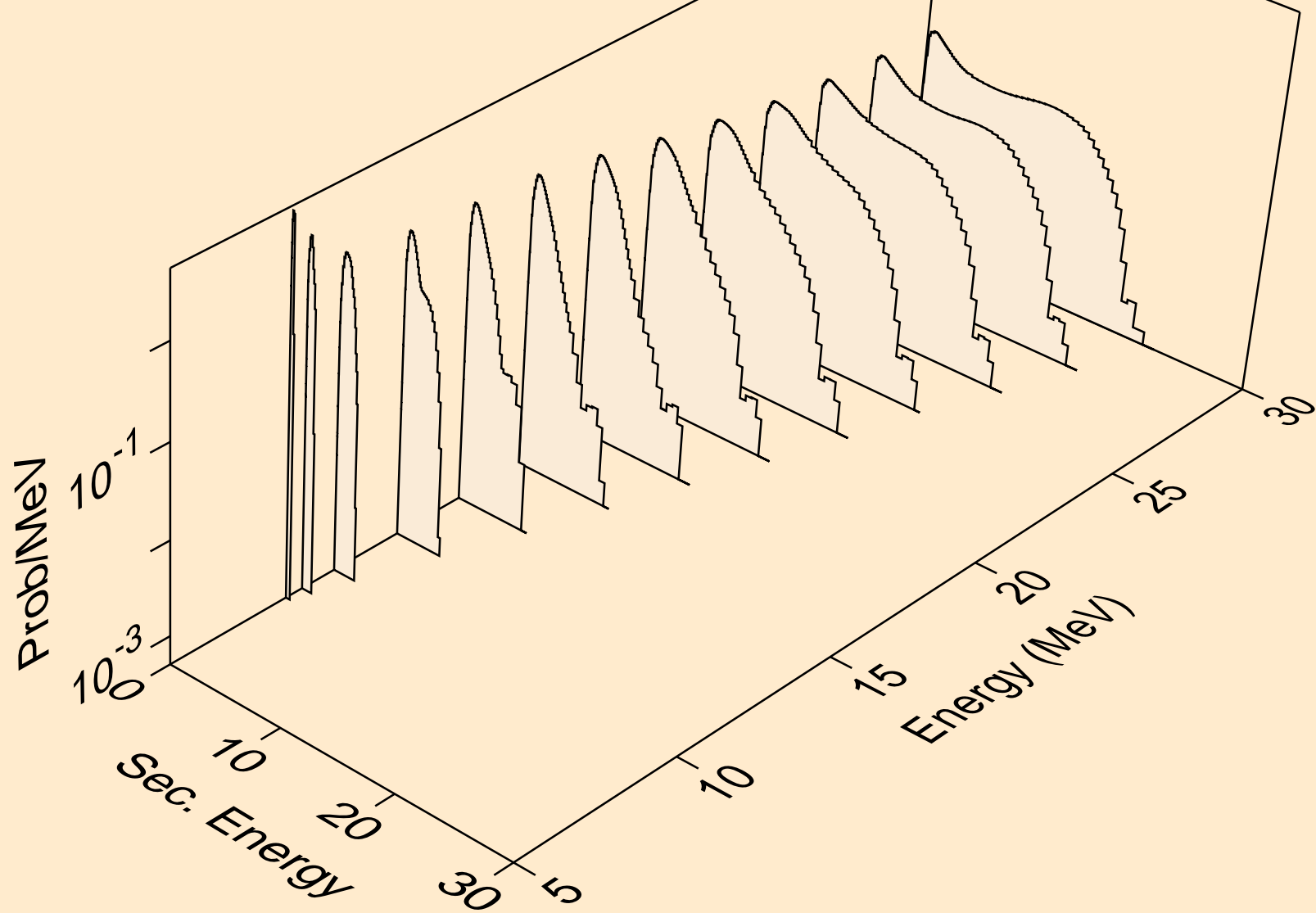
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Neutron emission for (n,x)



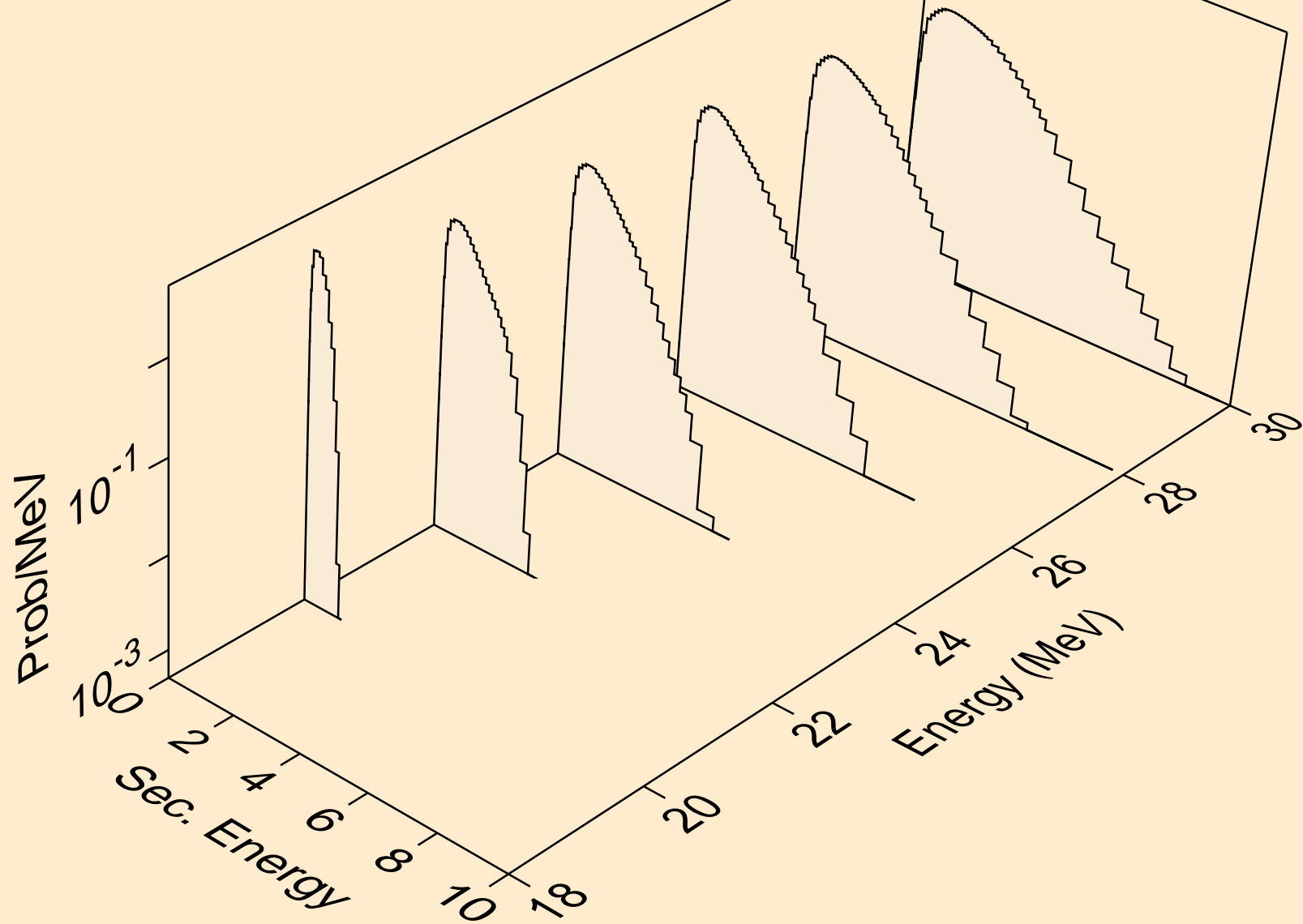
PO195 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



PO195 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)

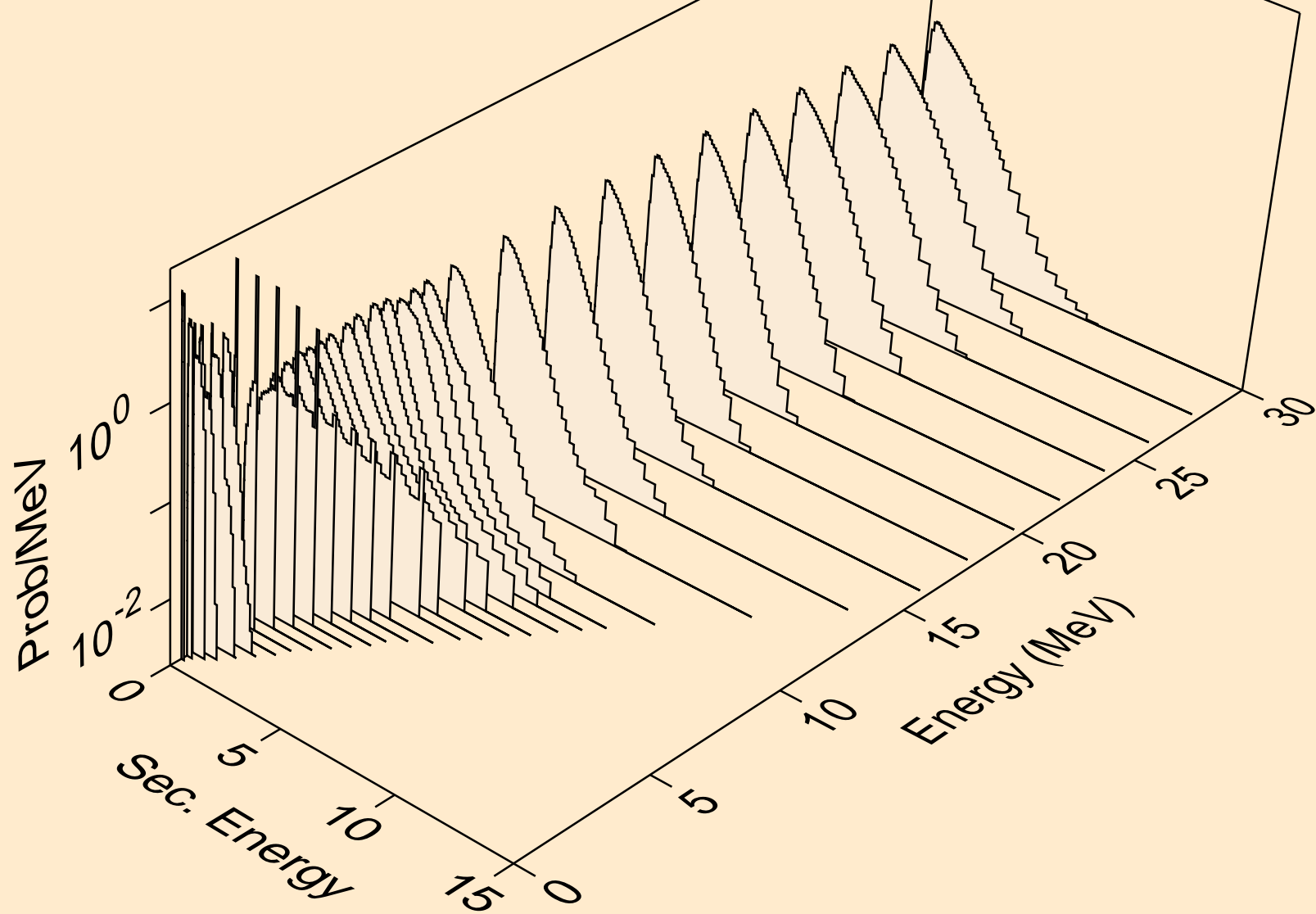


PO195 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)

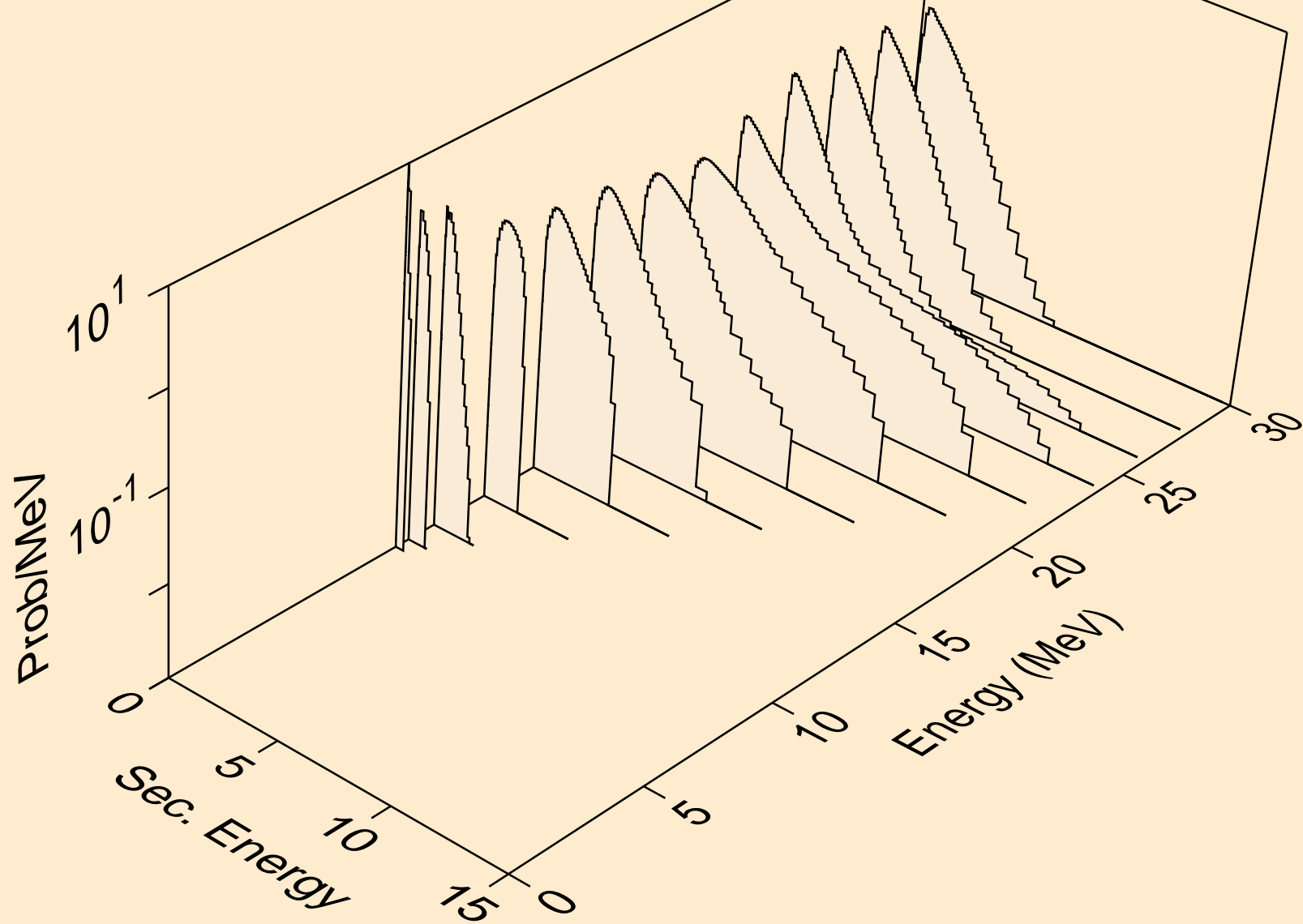




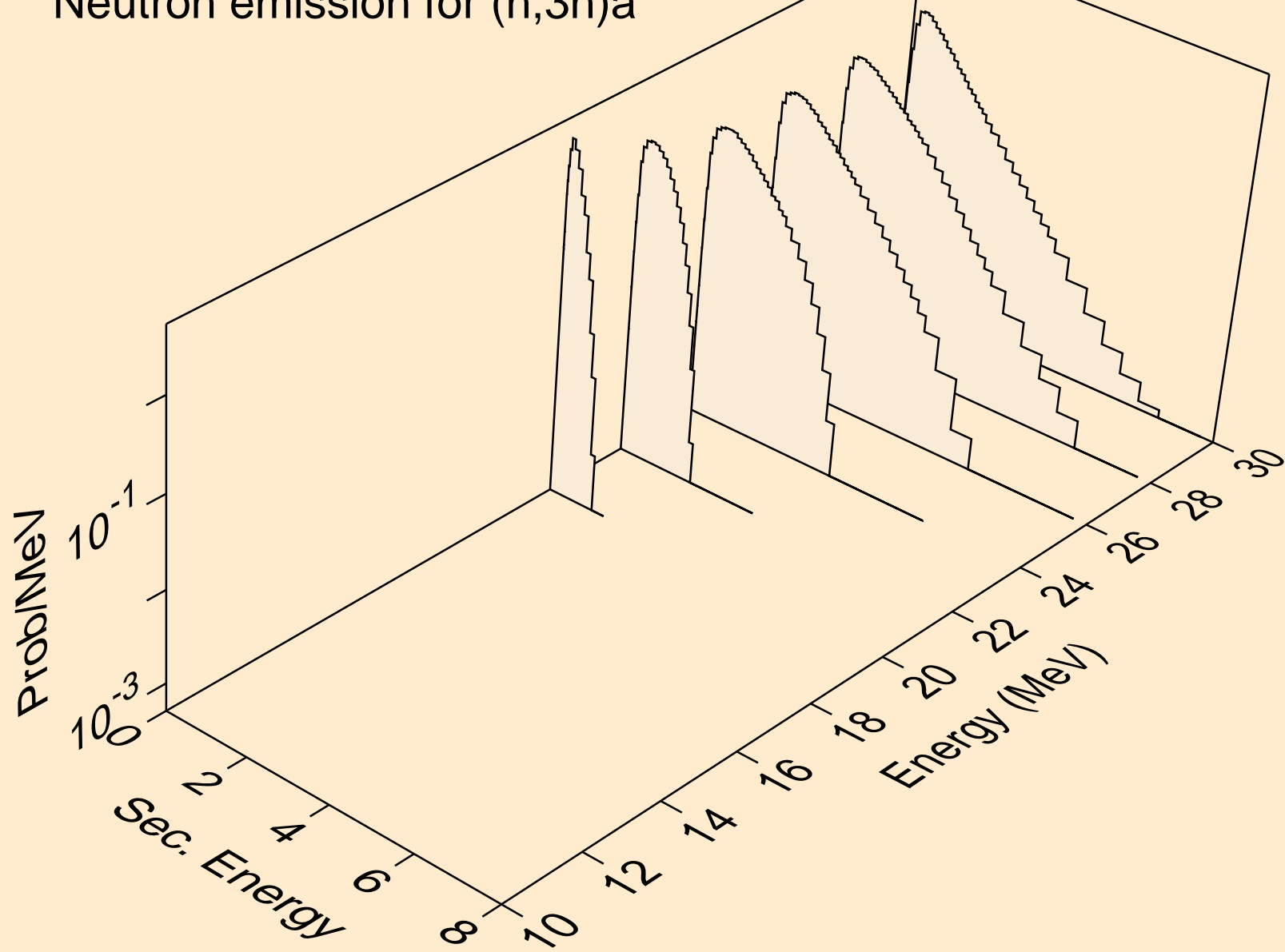
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Neutron emission for (n,n\*)a



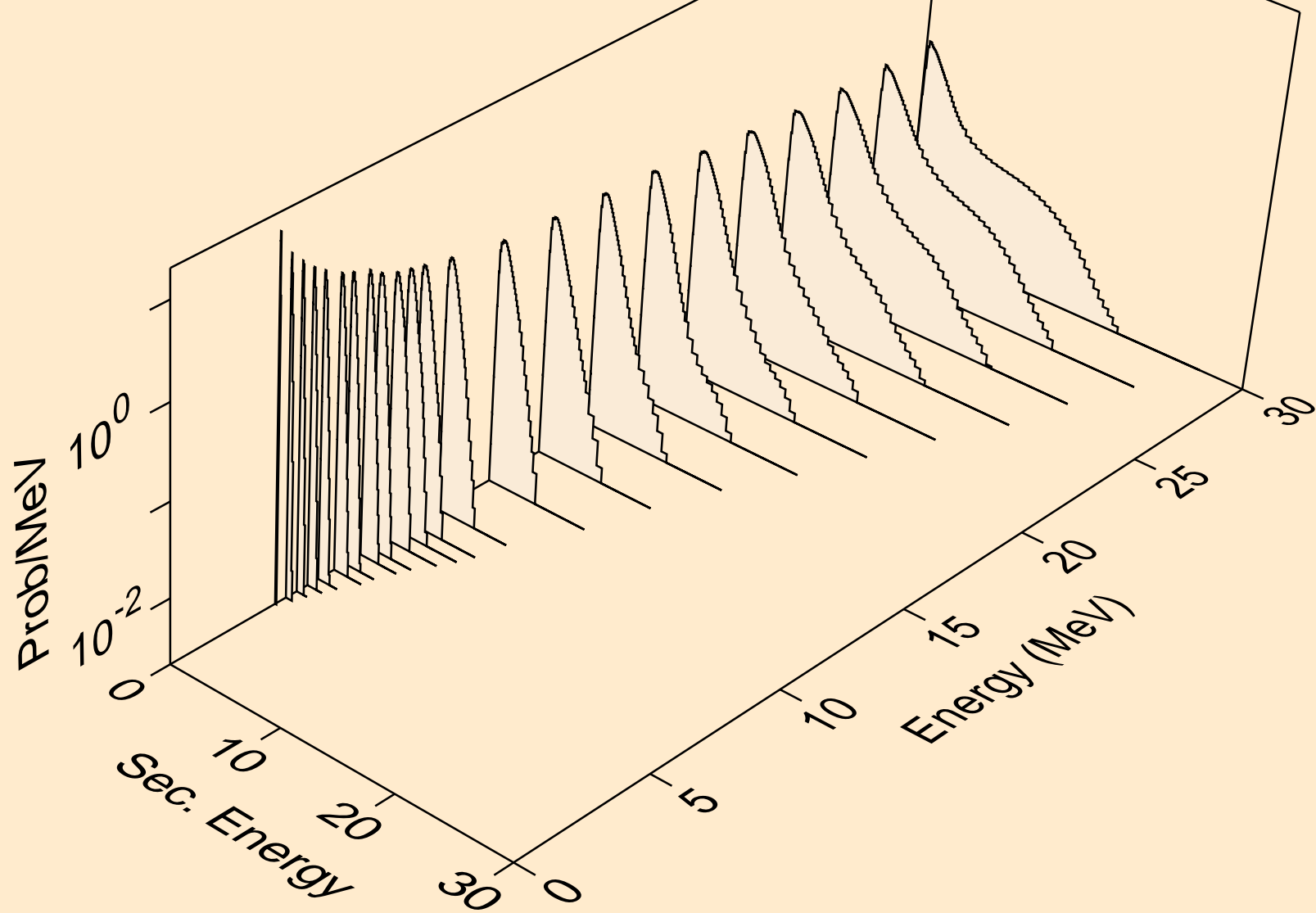
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Neutron emission for (n,2n)a



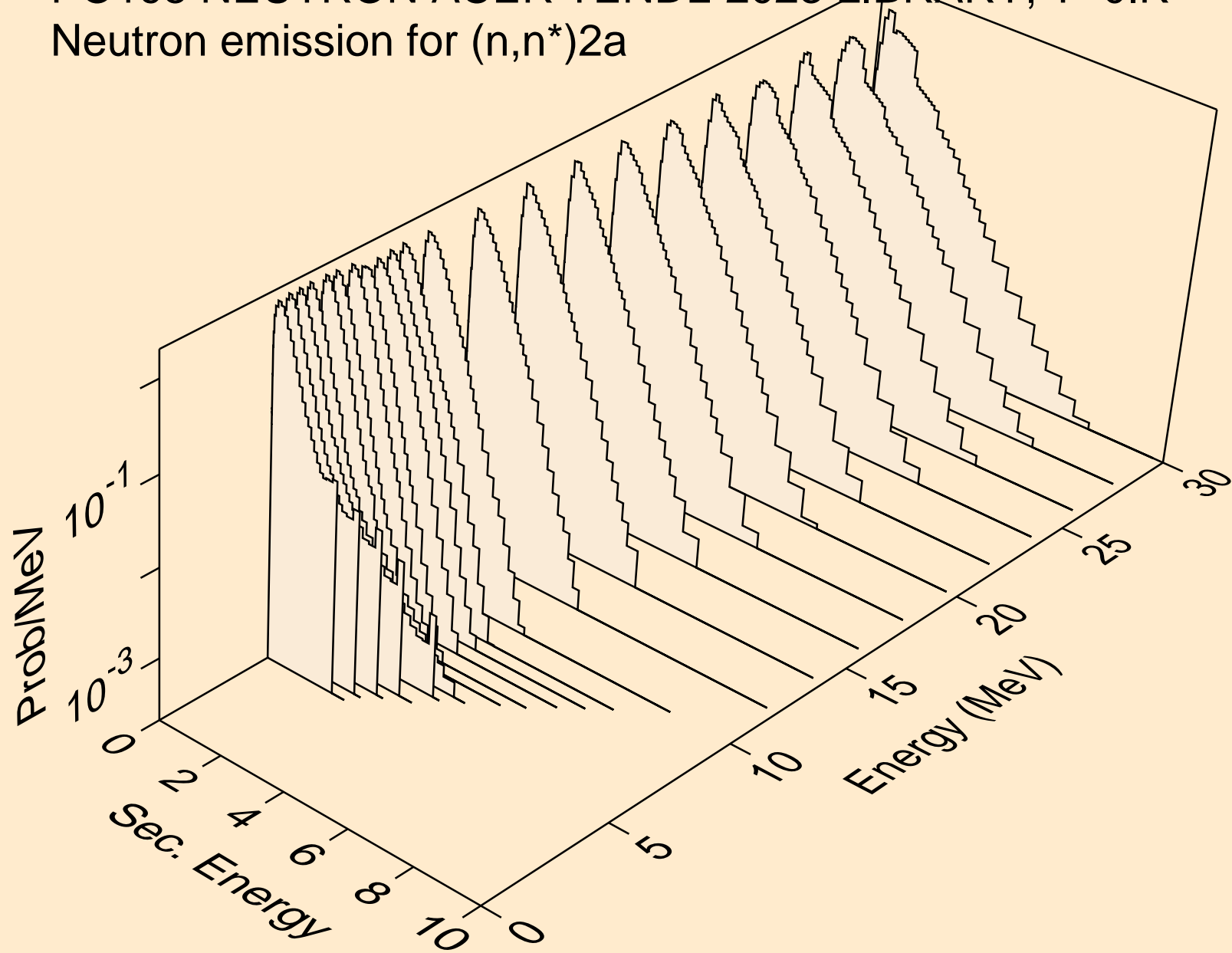
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Neutron emission for (n,3n)a



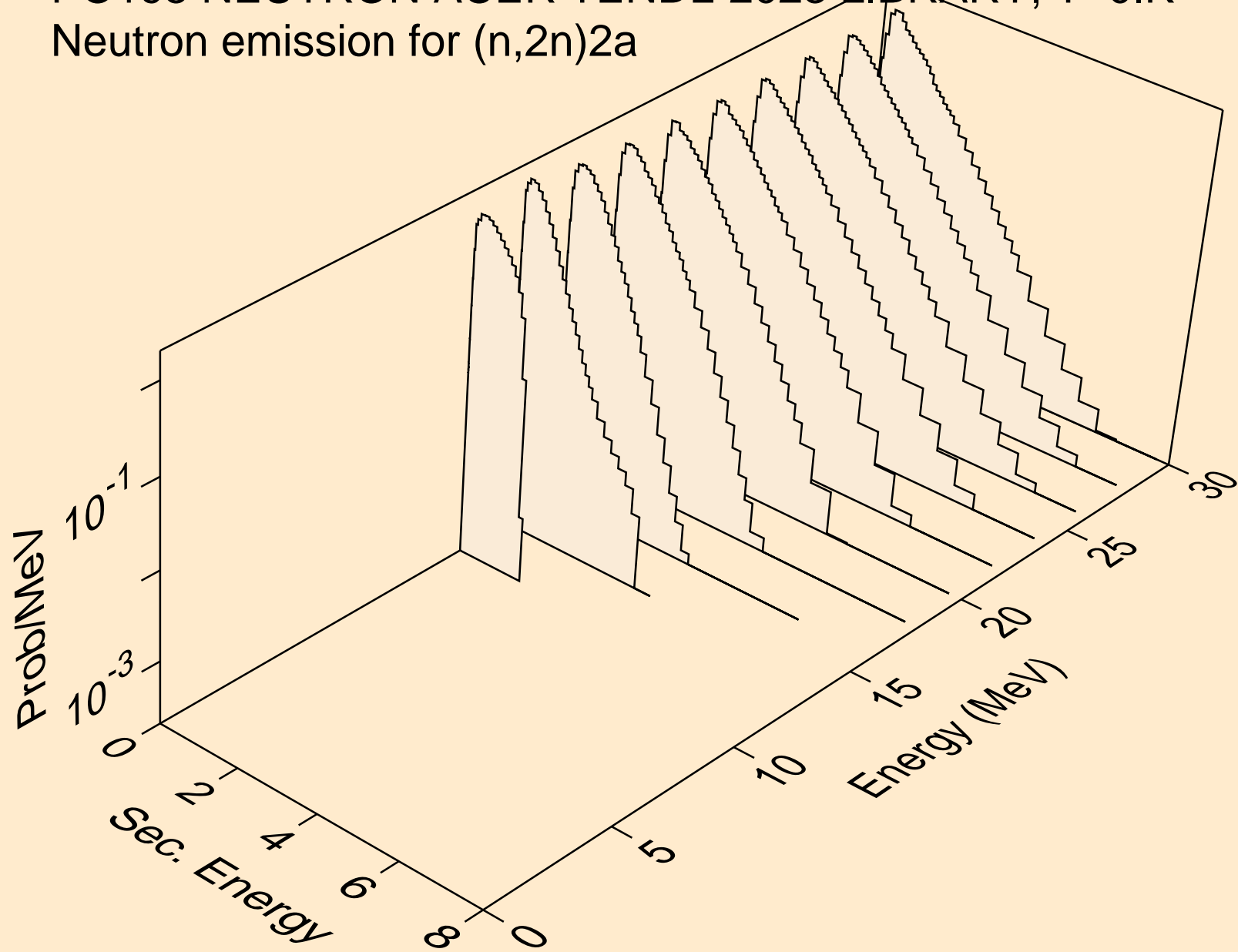
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Neutron emission for (n,n\*)p



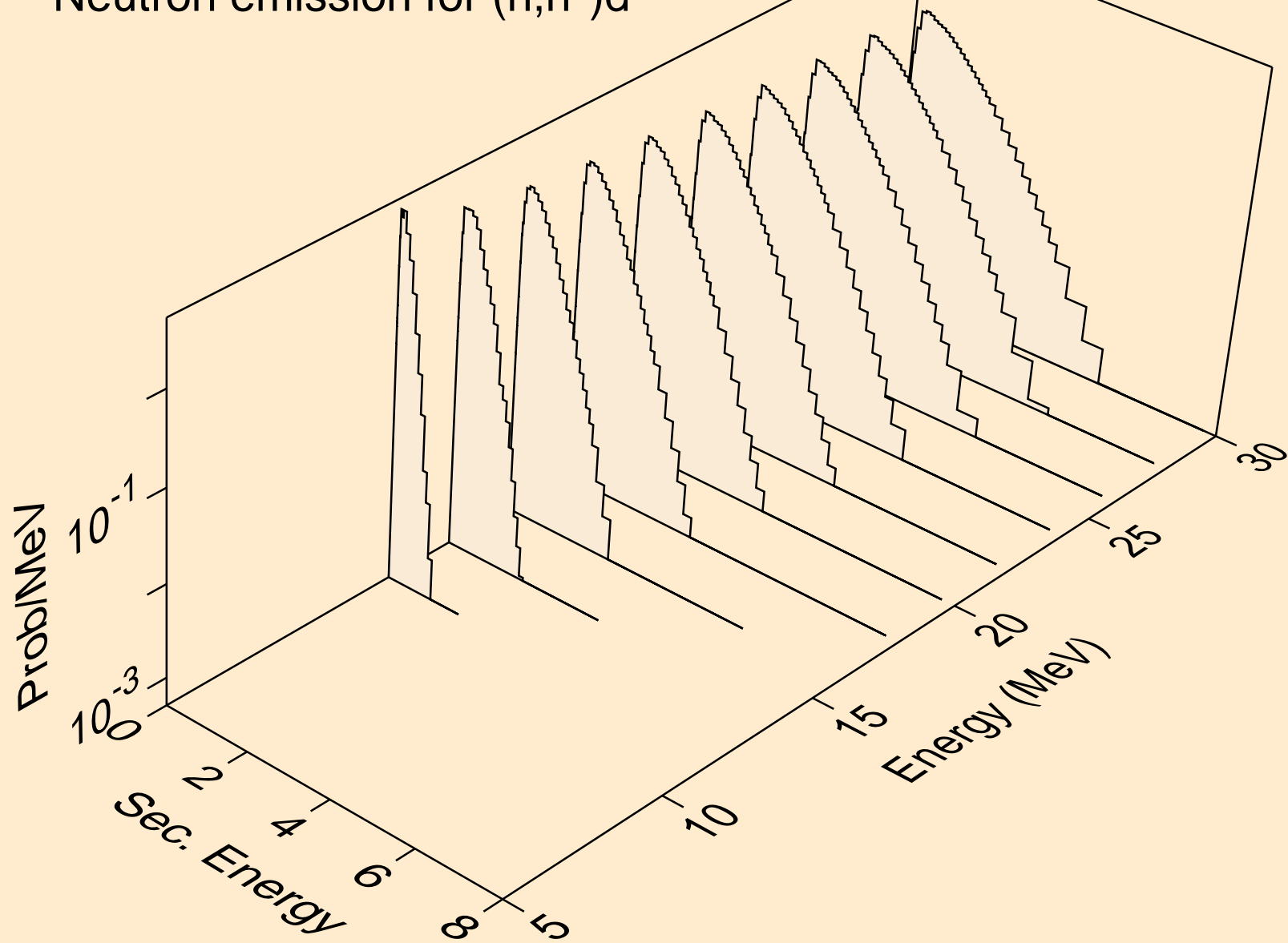
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Neutron emission for (n,n\*)2a



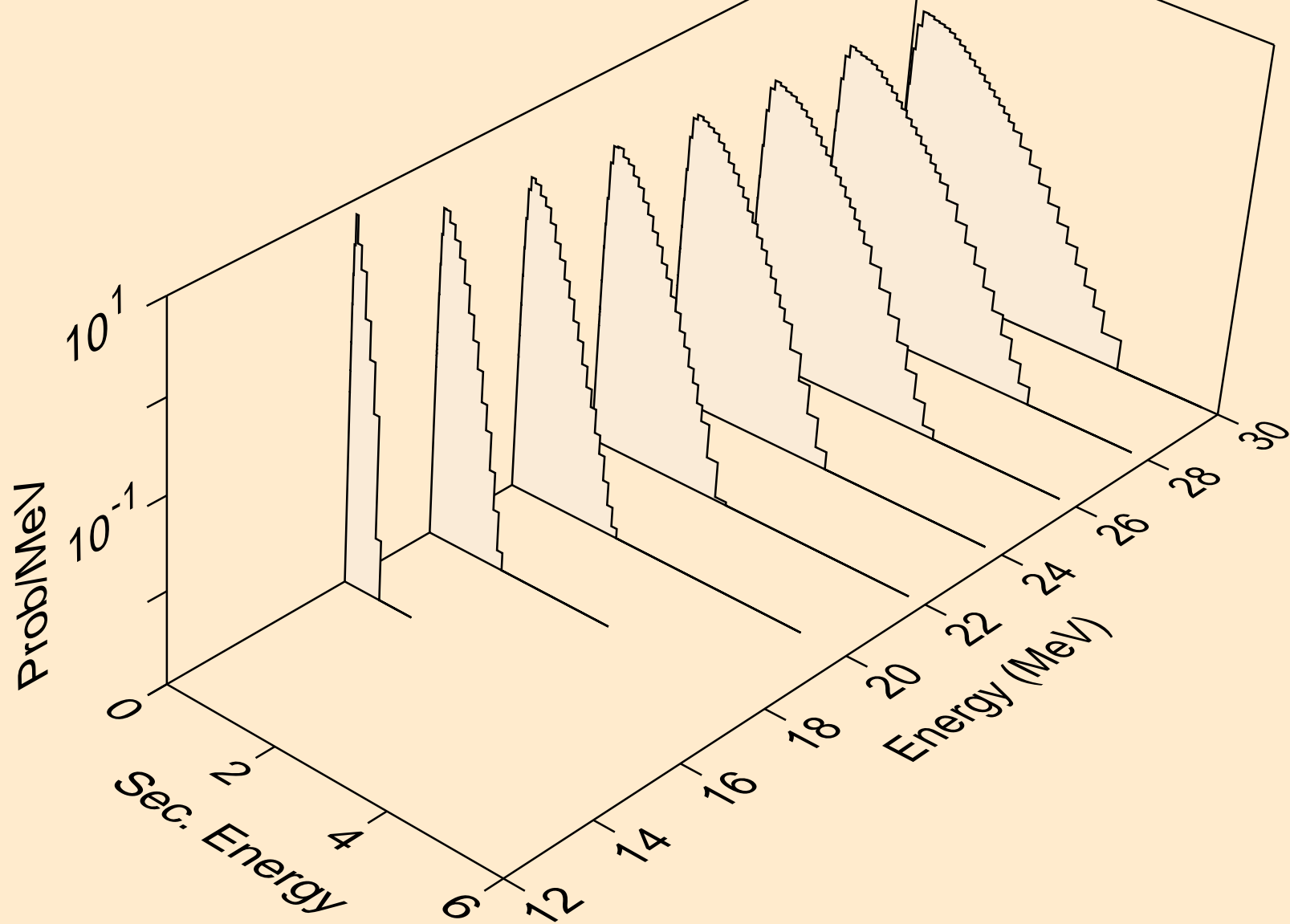
PO195 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)2a



PO195 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d

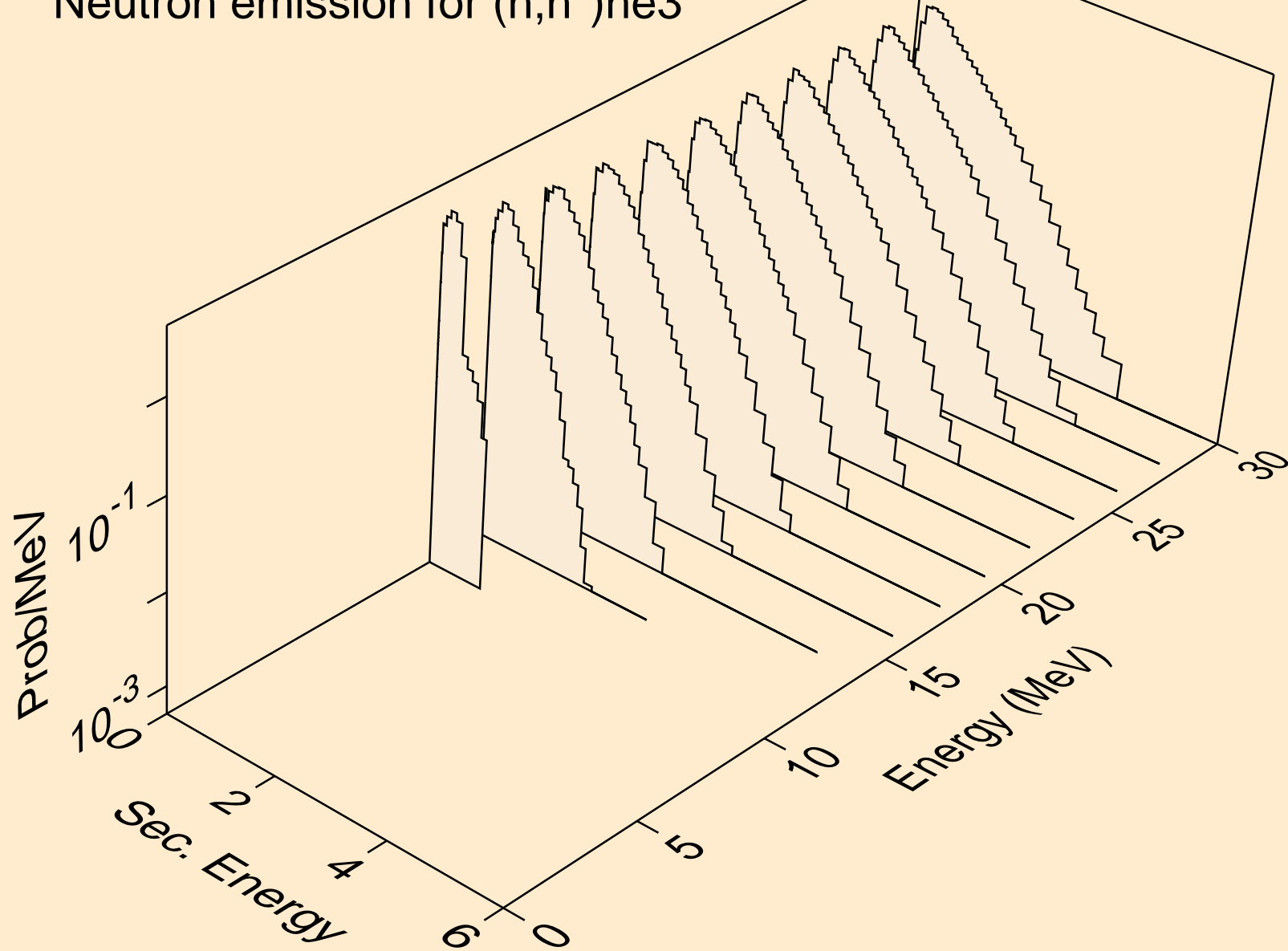


PO195 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t

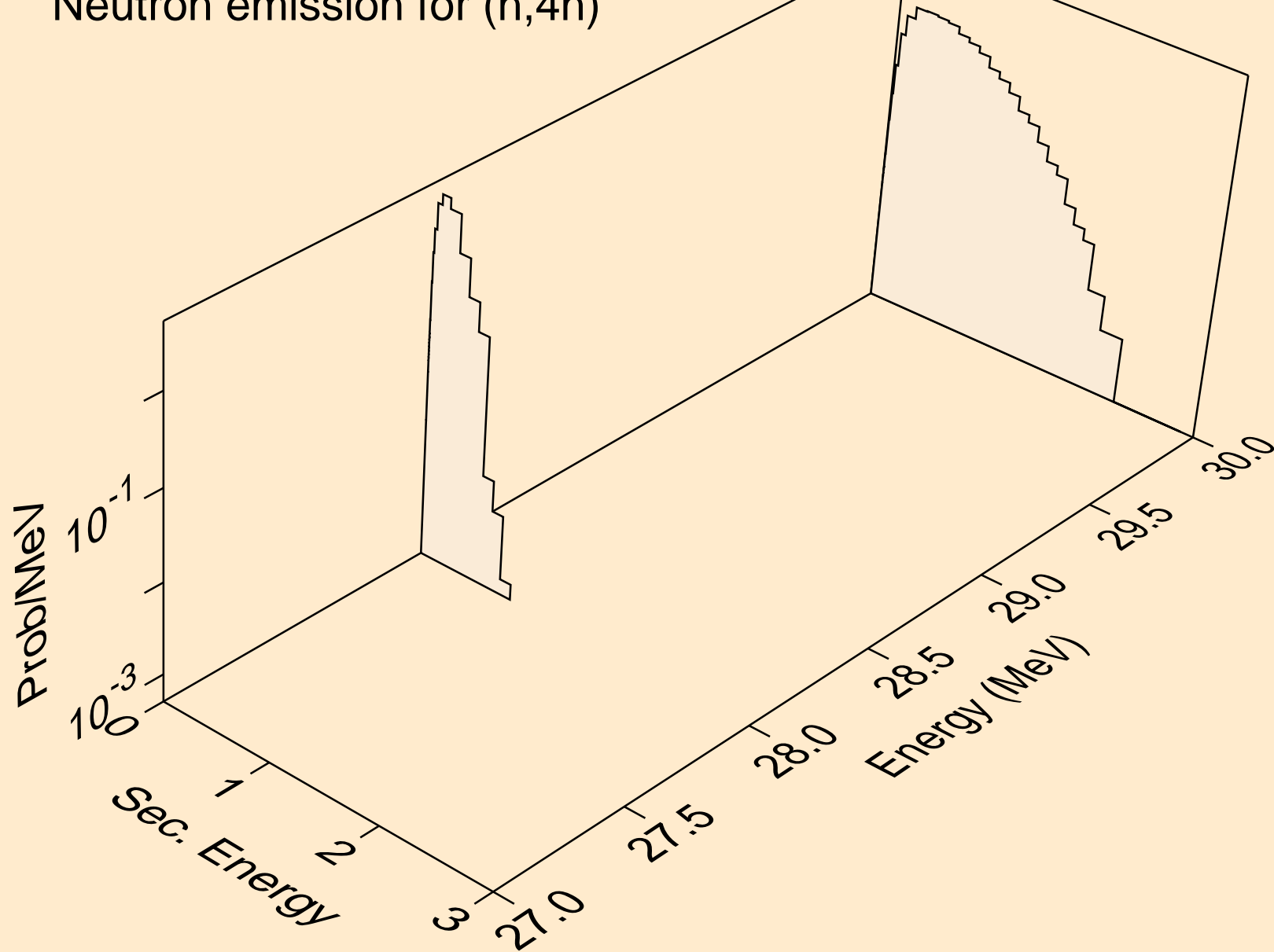




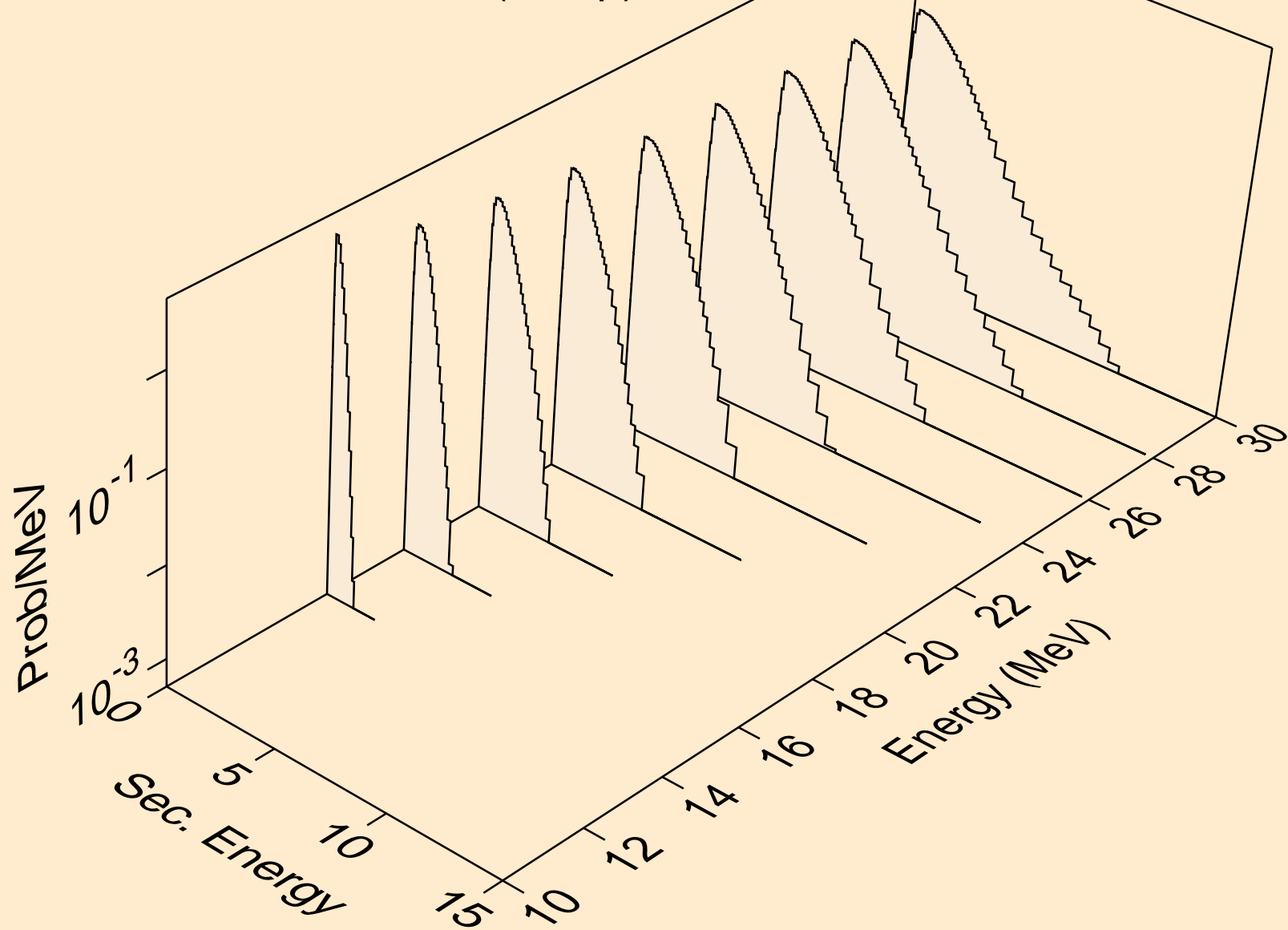
PO195 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



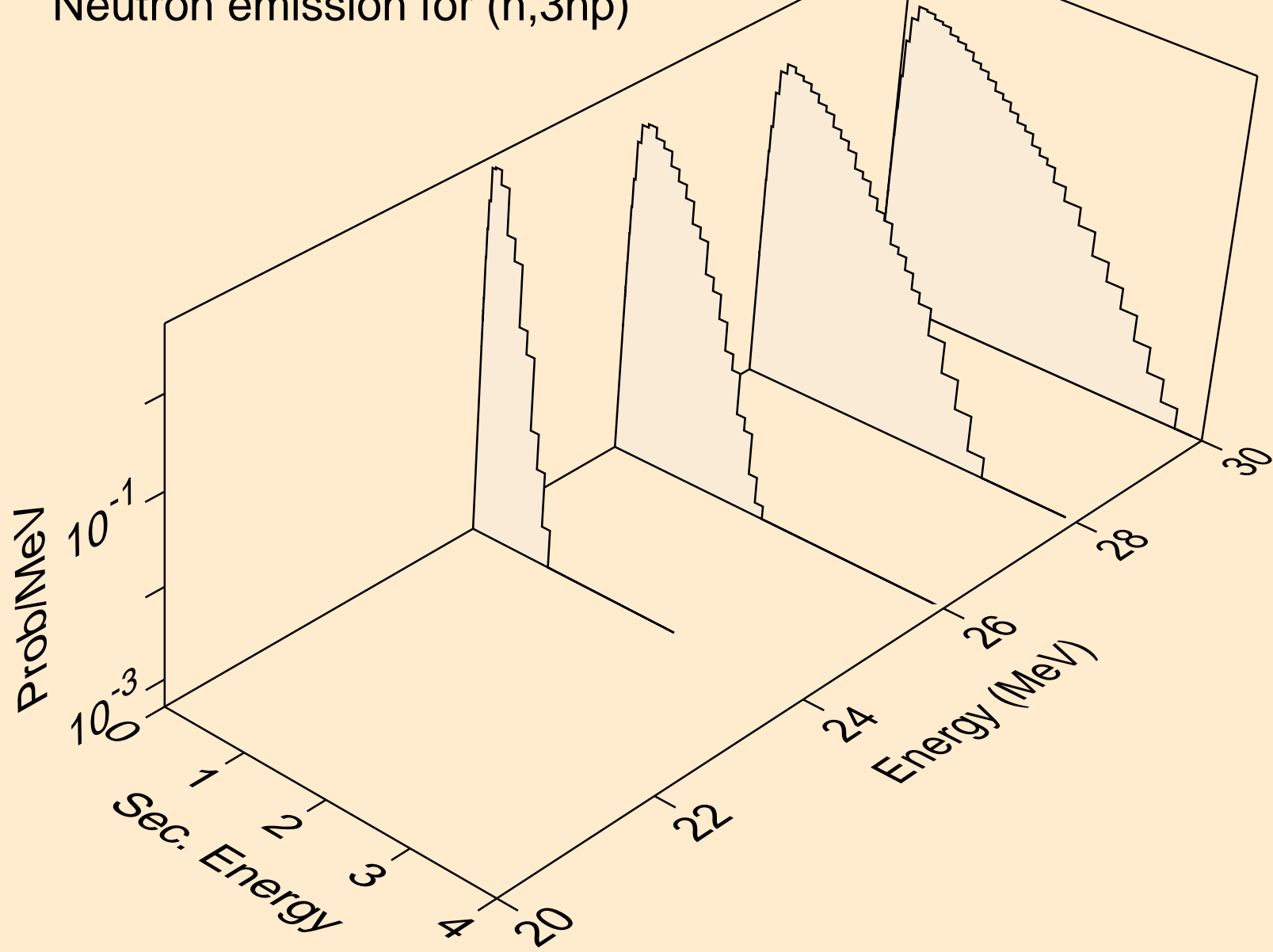
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Neutron emission for (n,4n)



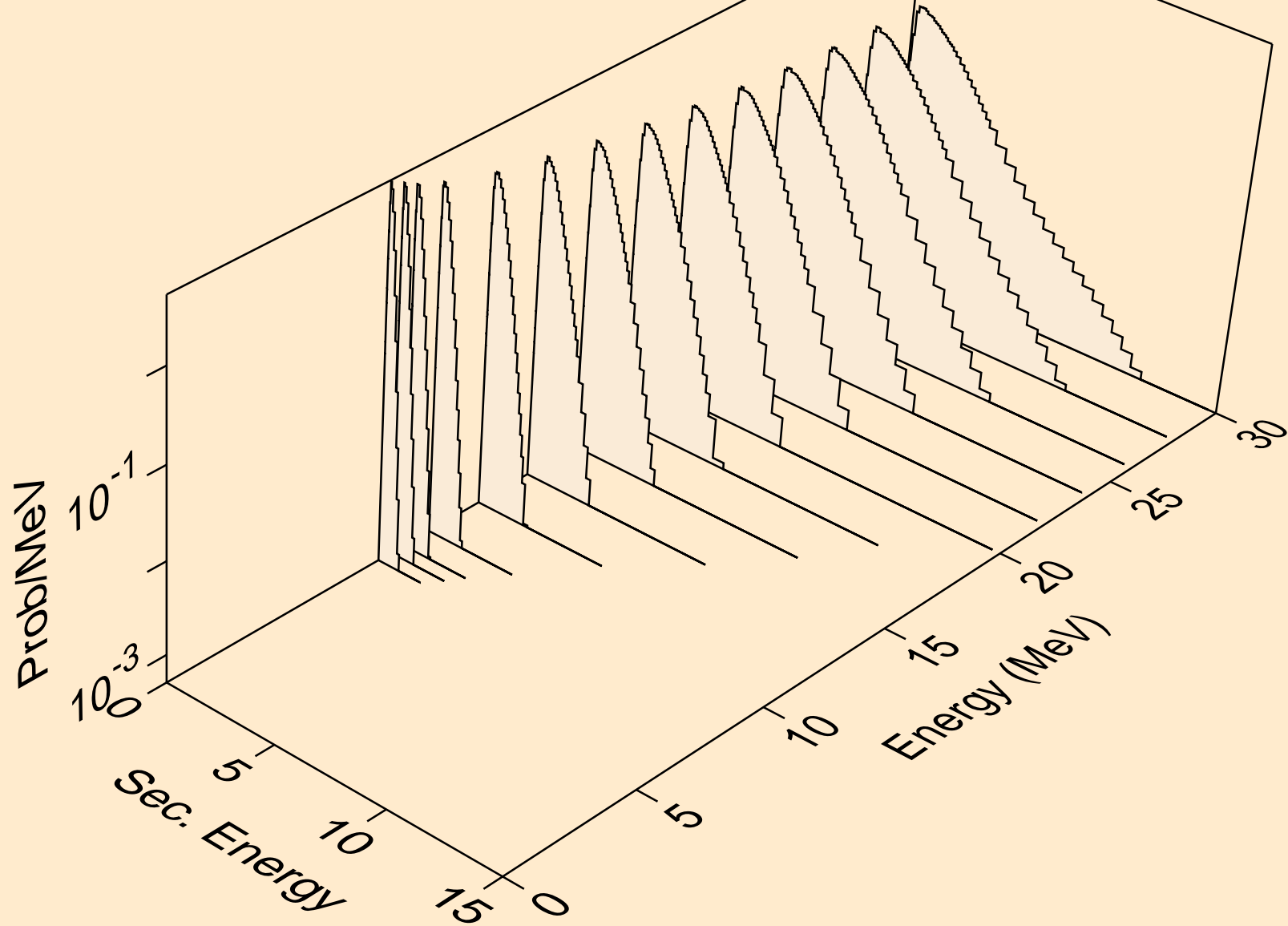
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Neutron emission for (n,2np)



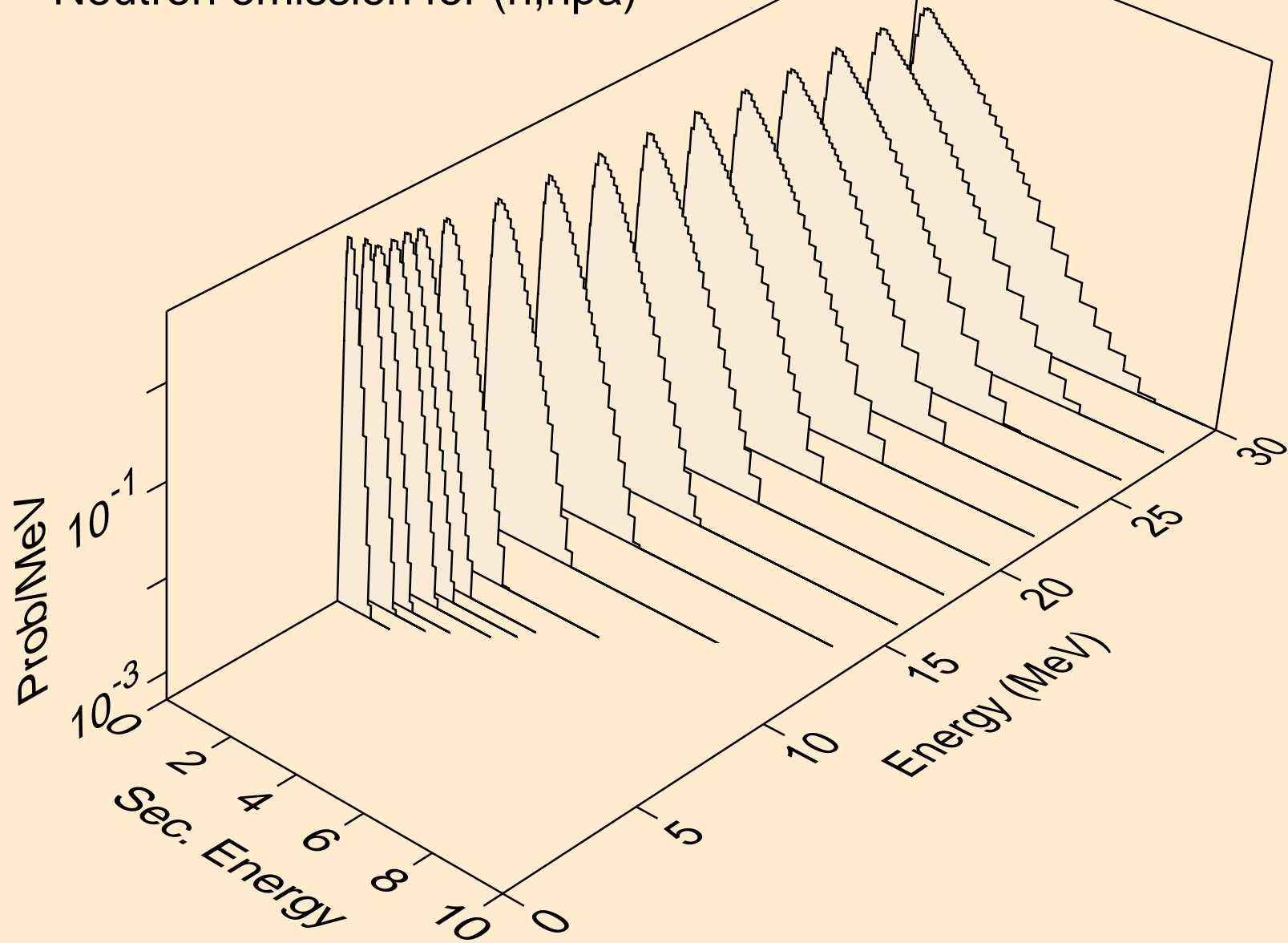
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Neutron emission for (n,3np)



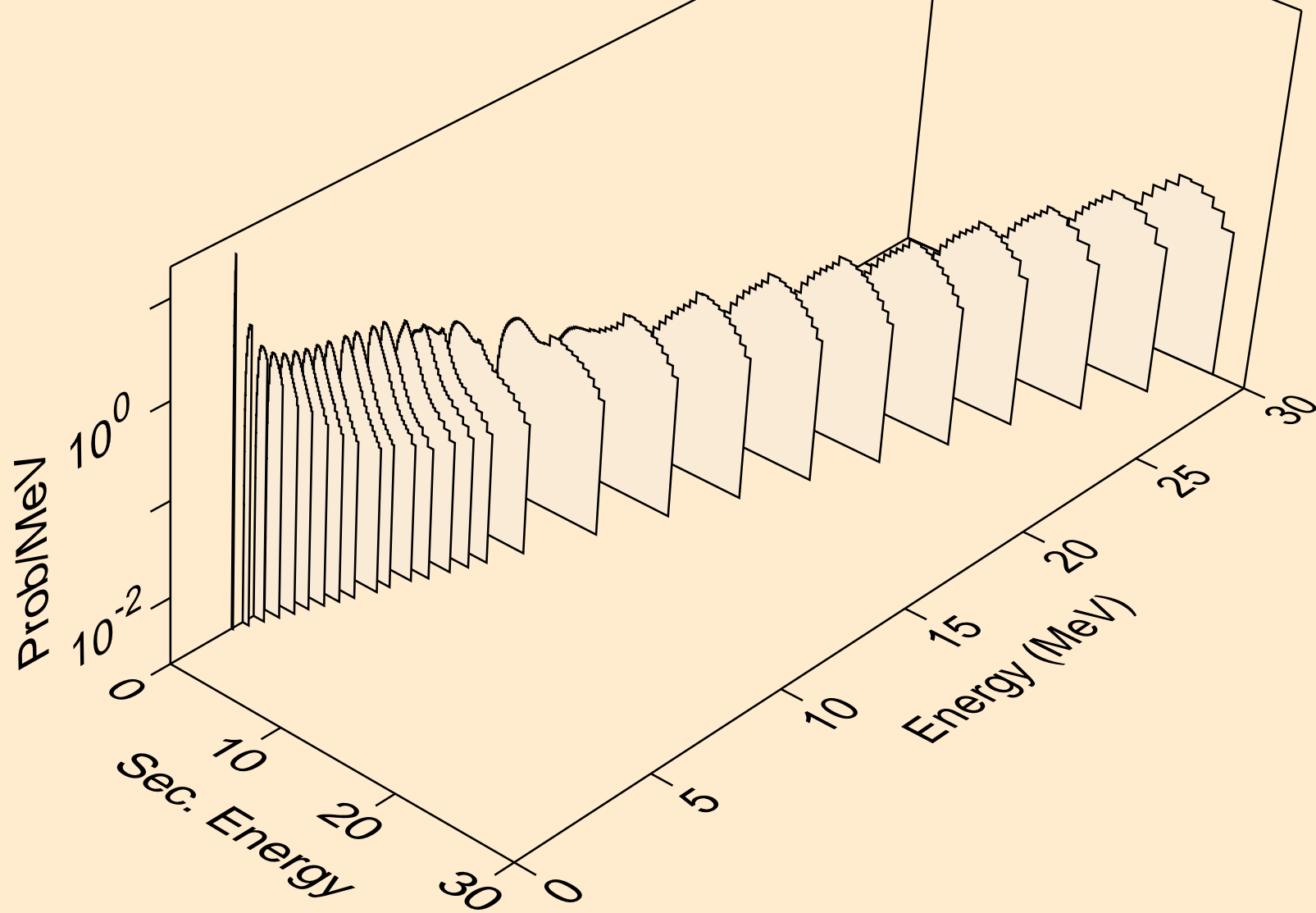
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Neutron emission for (n,n2p)



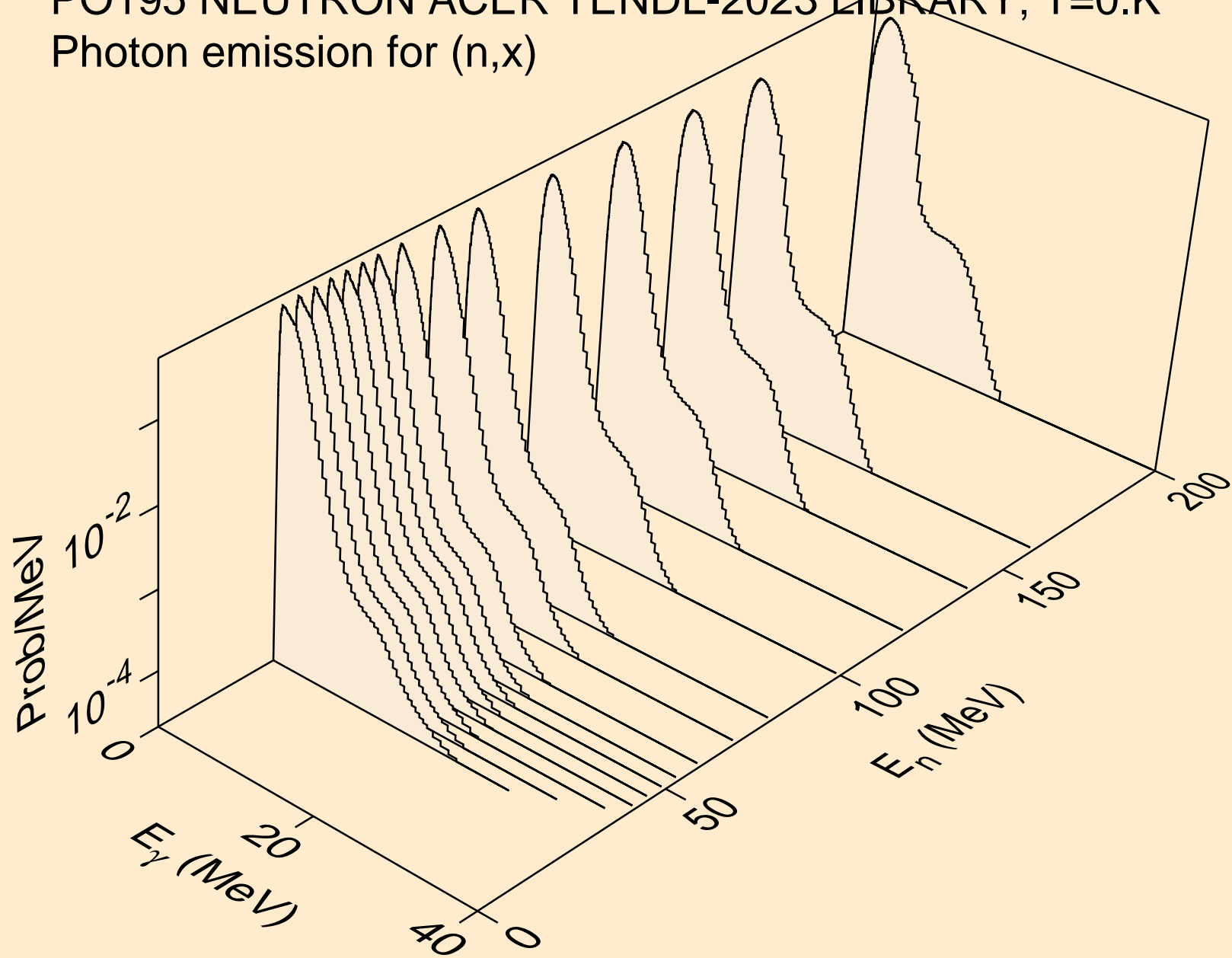
PO195 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,npa)



PO195 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)

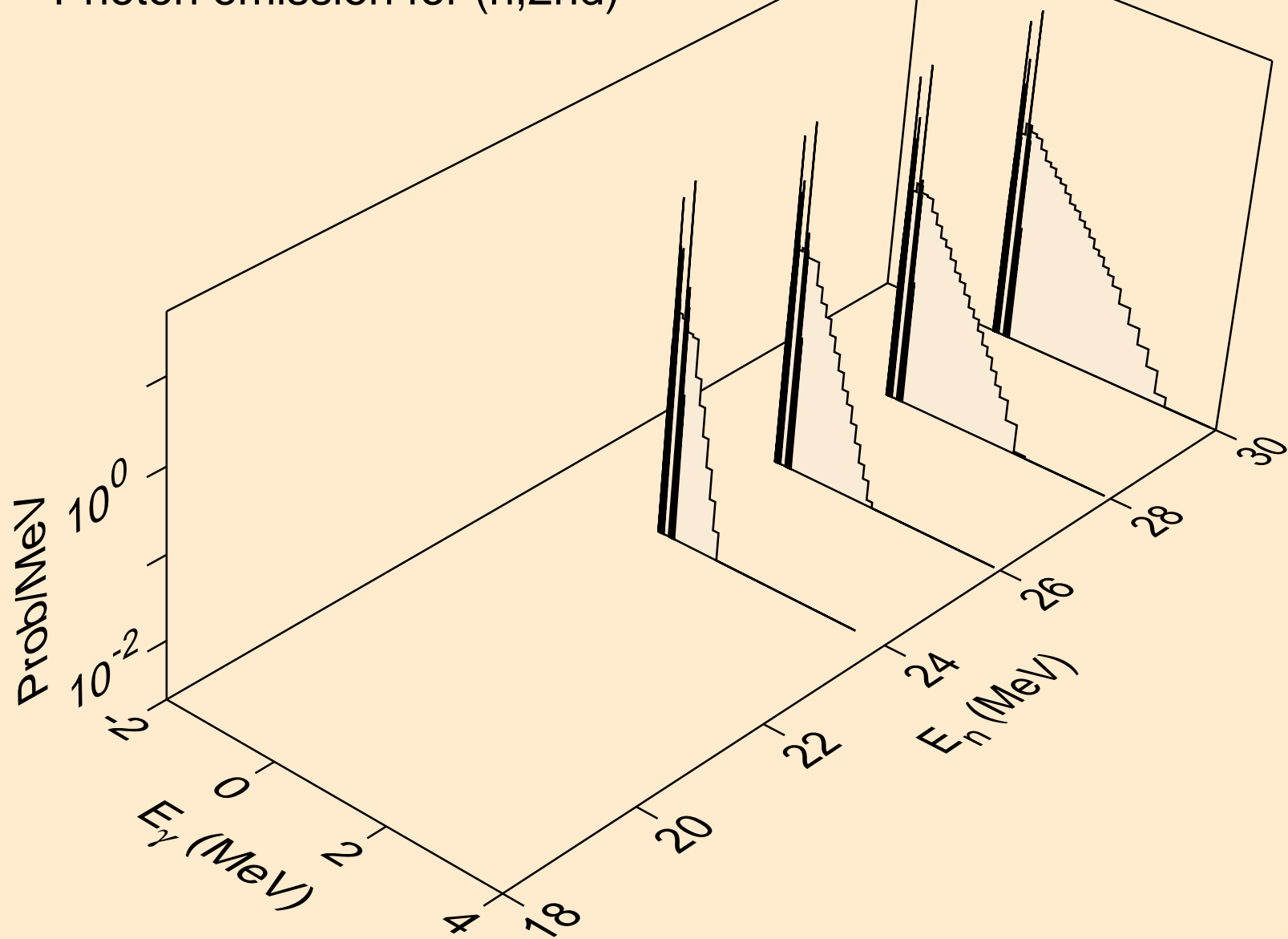


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Photon emission for (n,x)

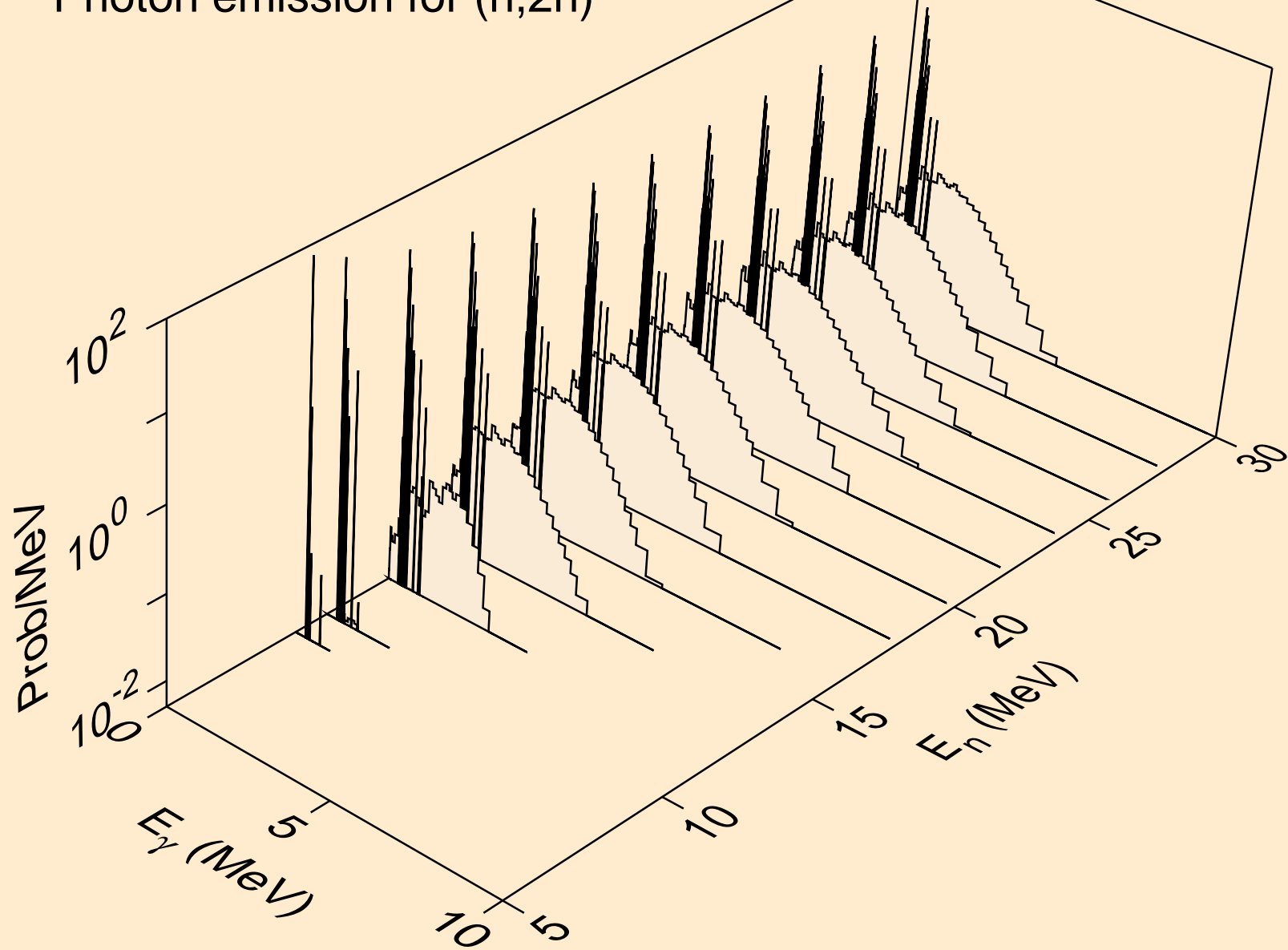




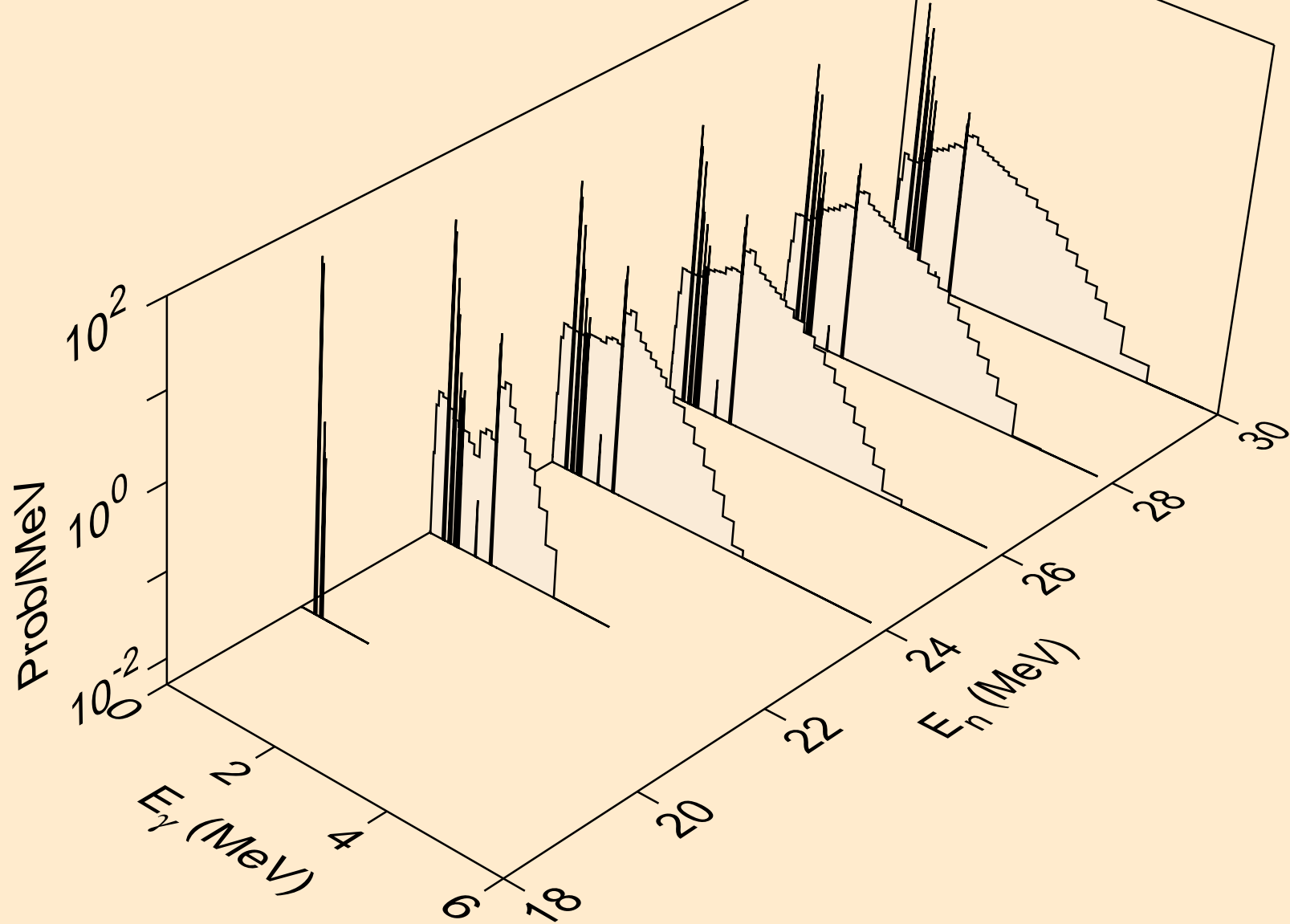
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Photon emission for (n,2nd)



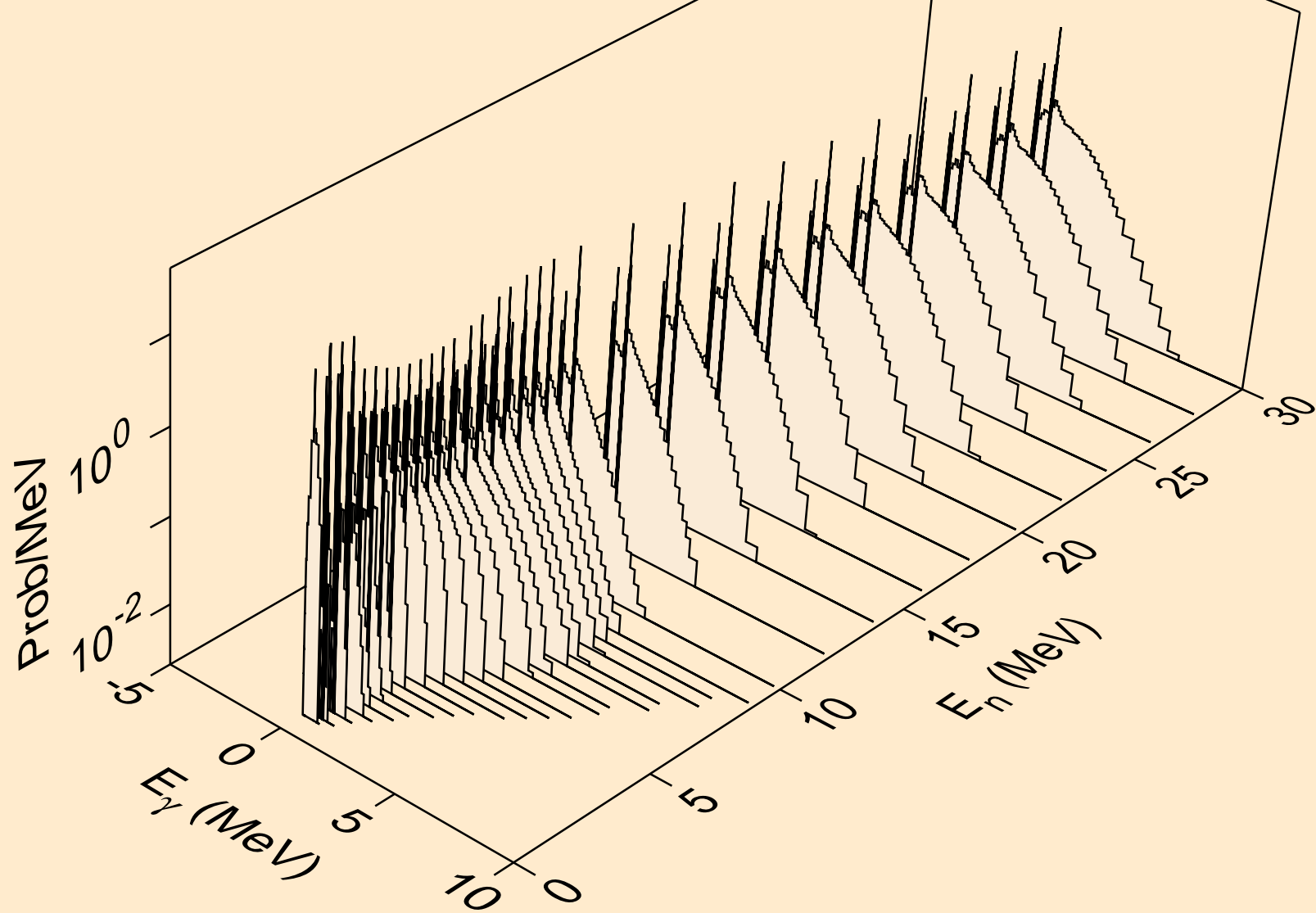
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Photon emission for (n,2n)



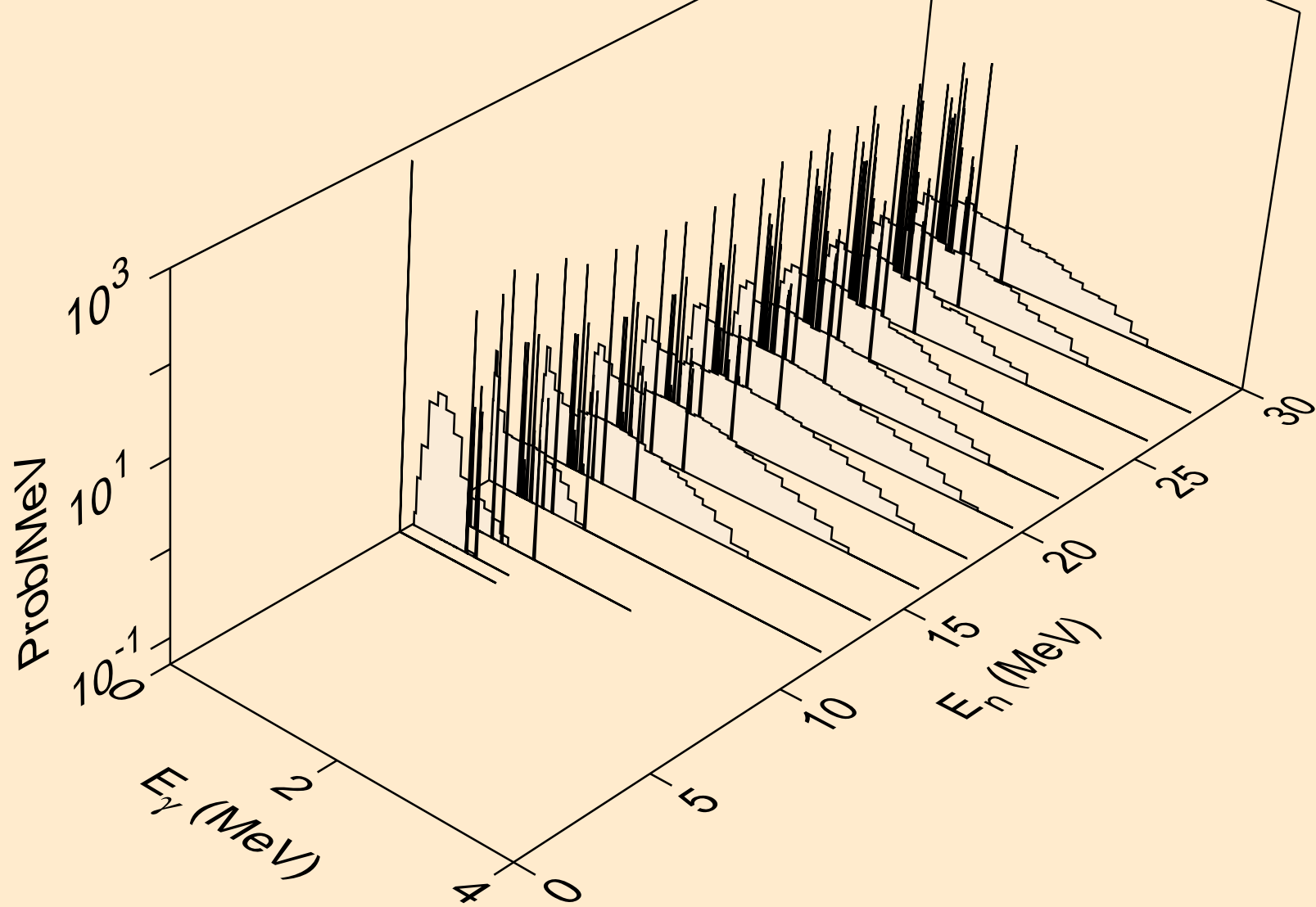
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Photon emission for (n,3n)



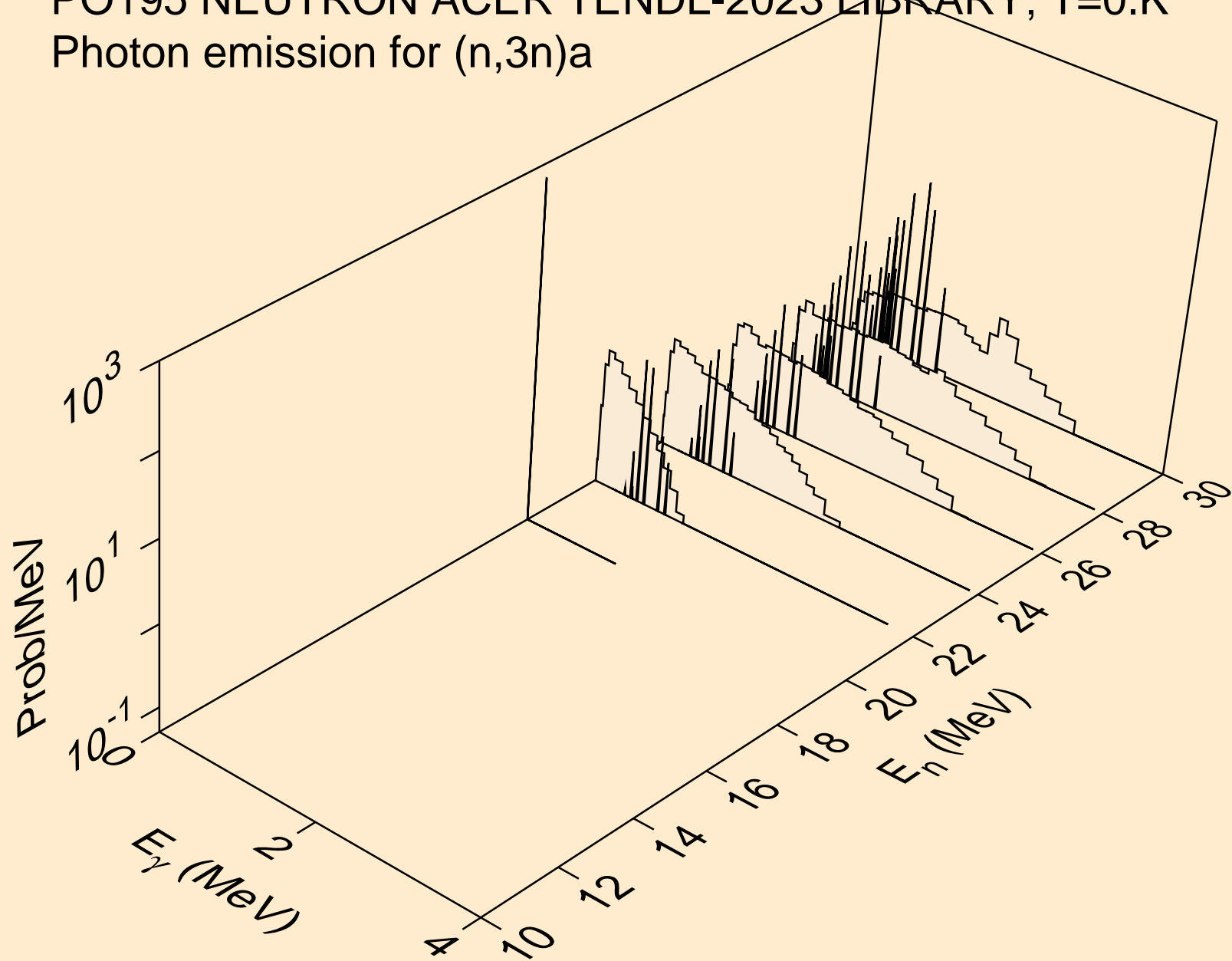
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Photon emission for (n,n\*)a



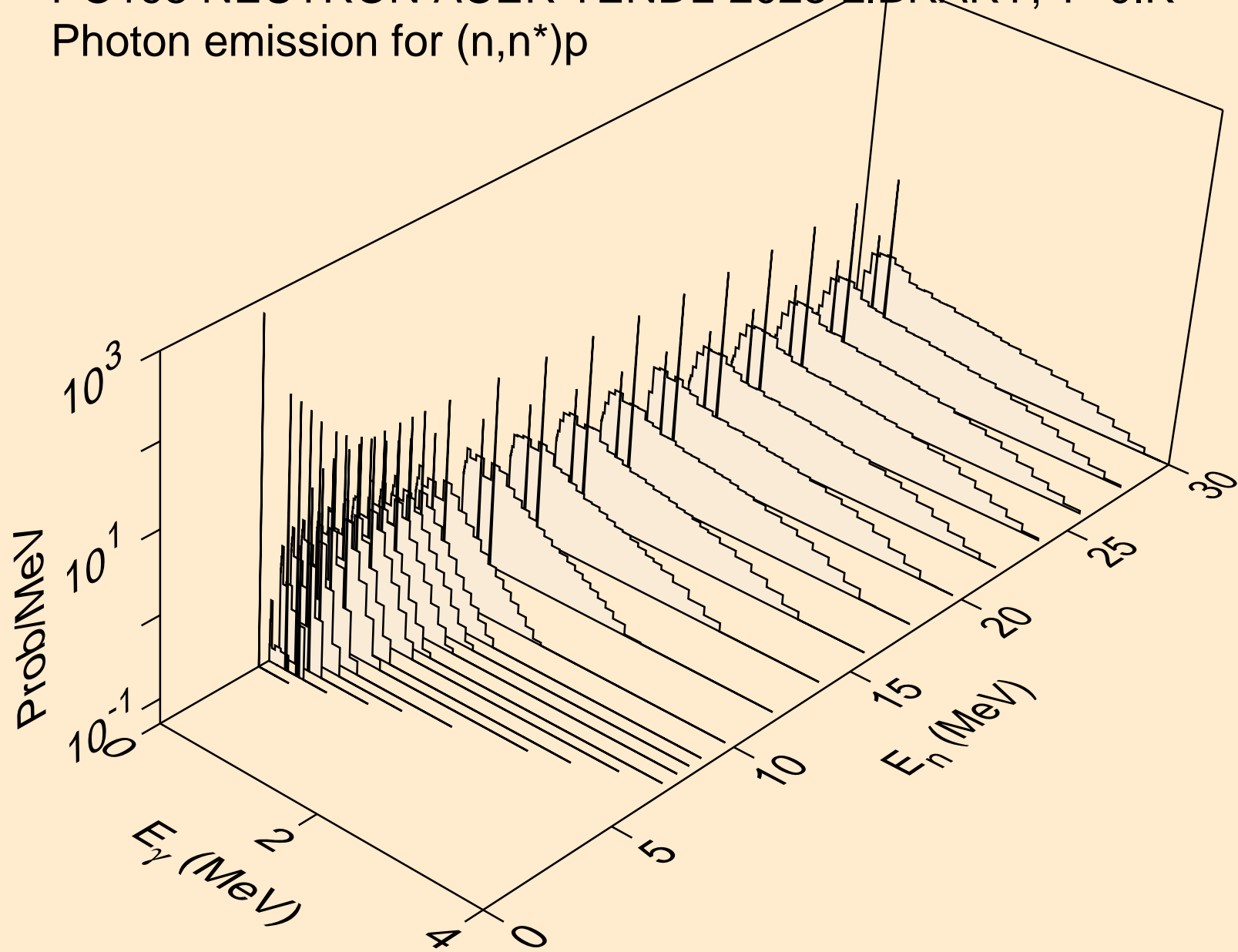
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Photon emission for (n,2n)a



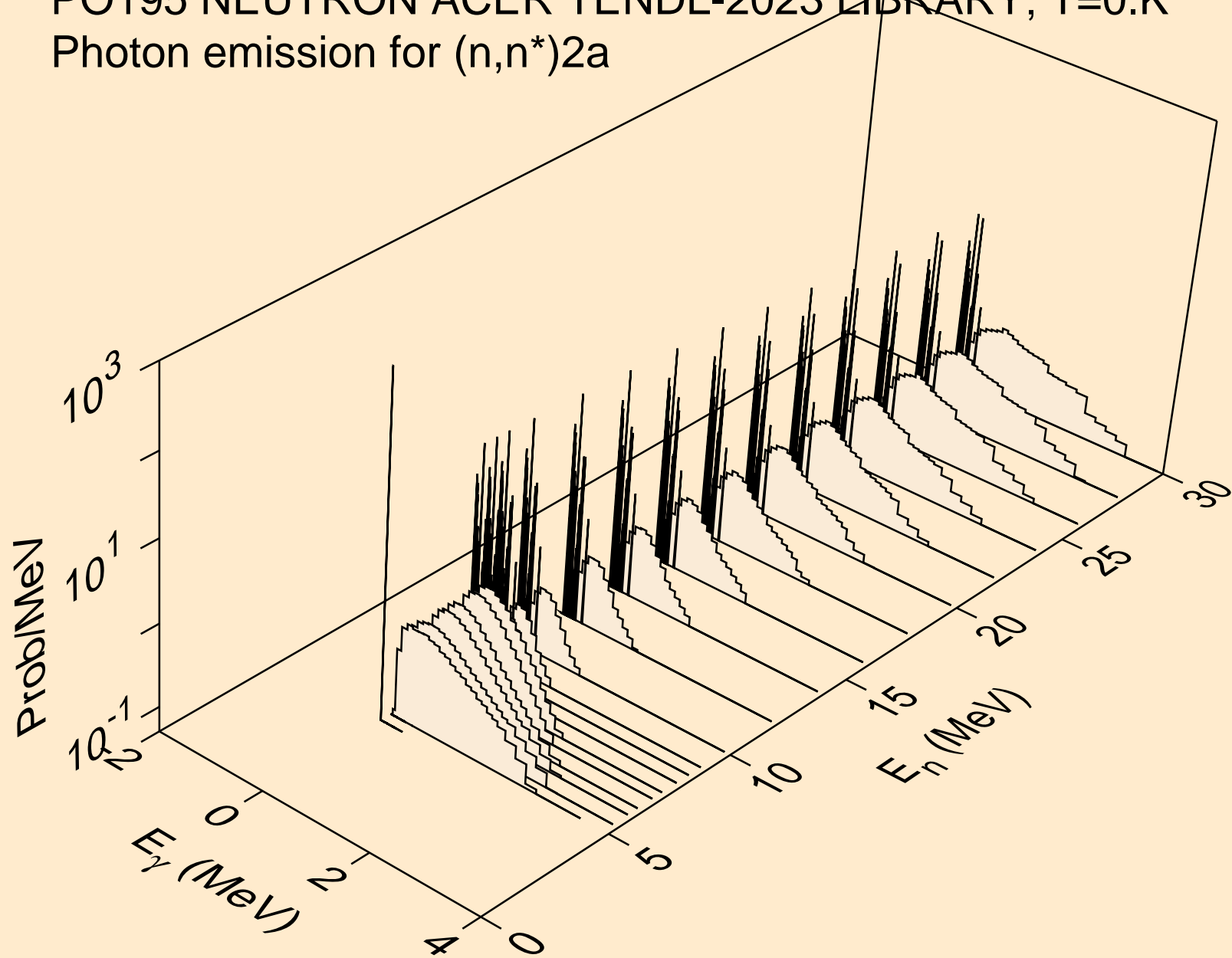
PO195 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)a



PO195 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p

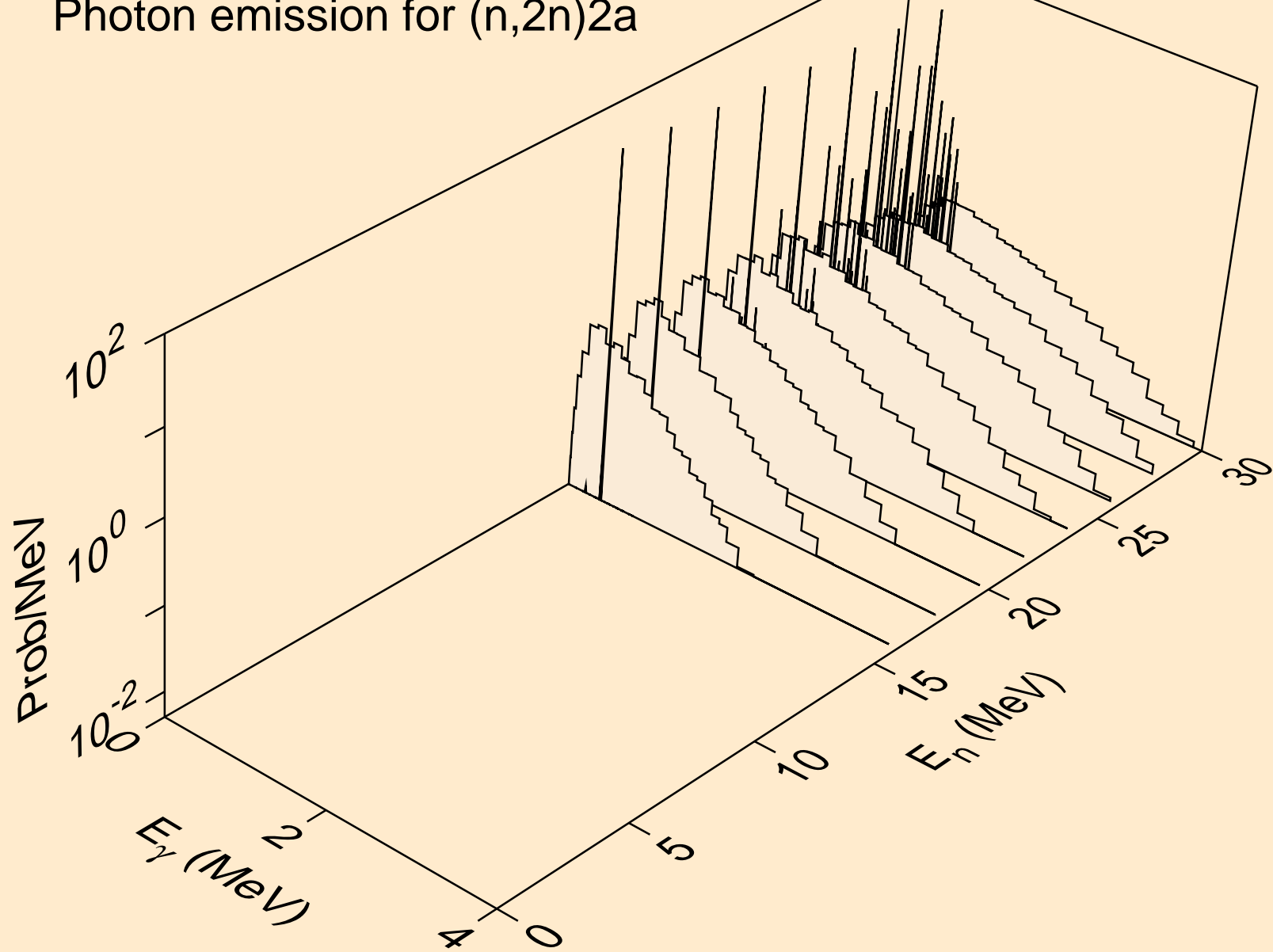


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Photon emission for (n,n\*)2a

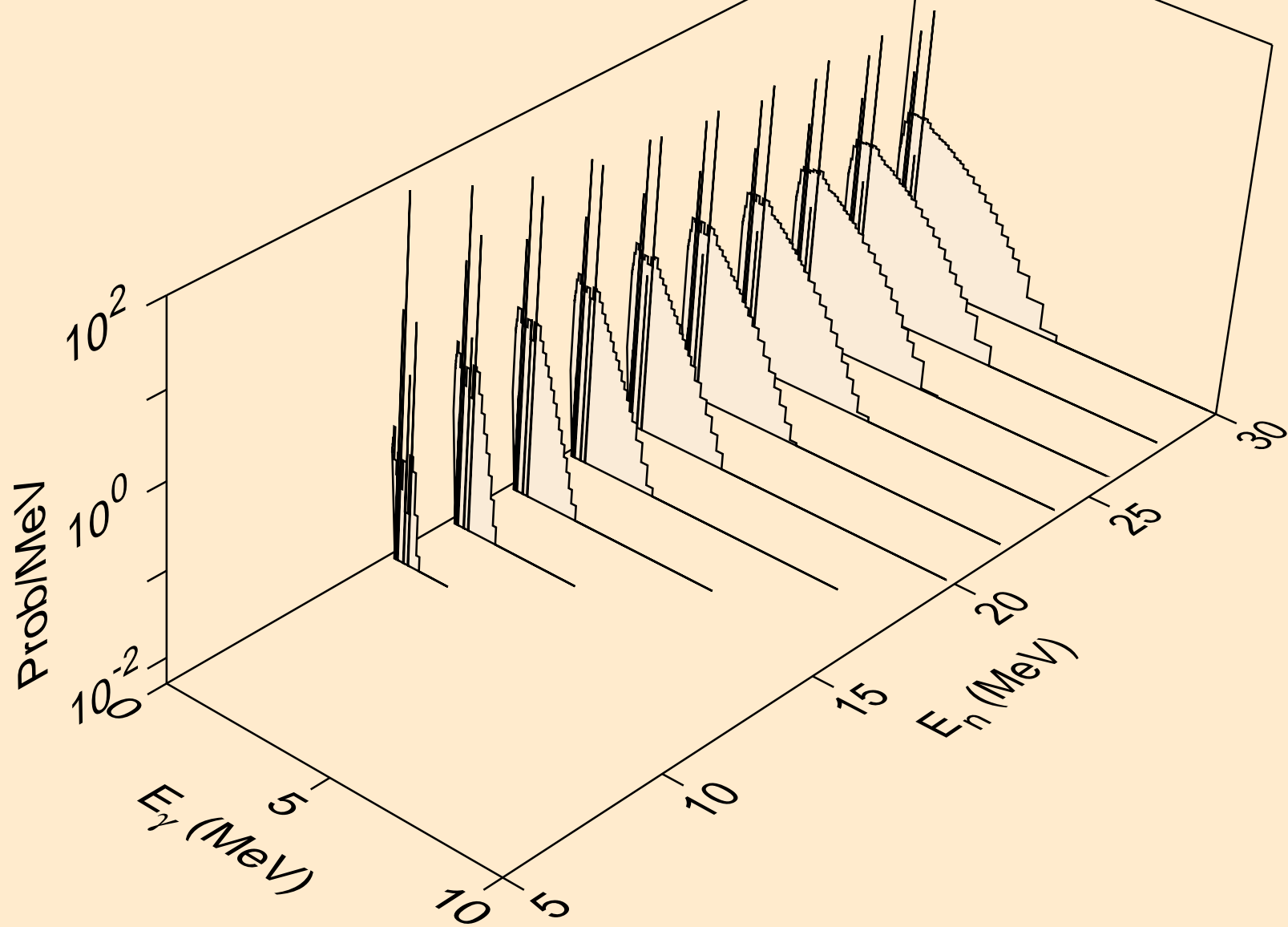




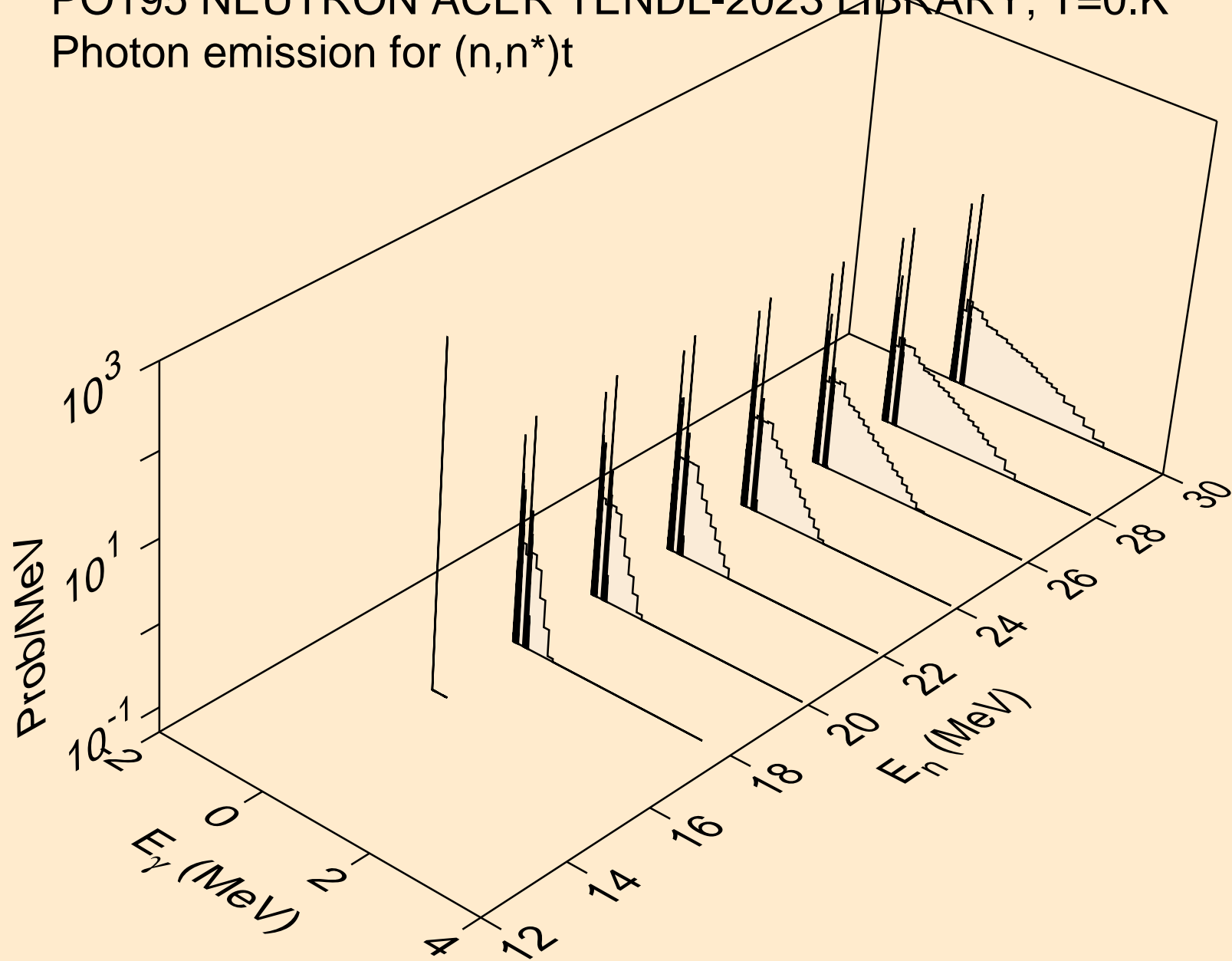
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Photon emission for (n,2n)2a



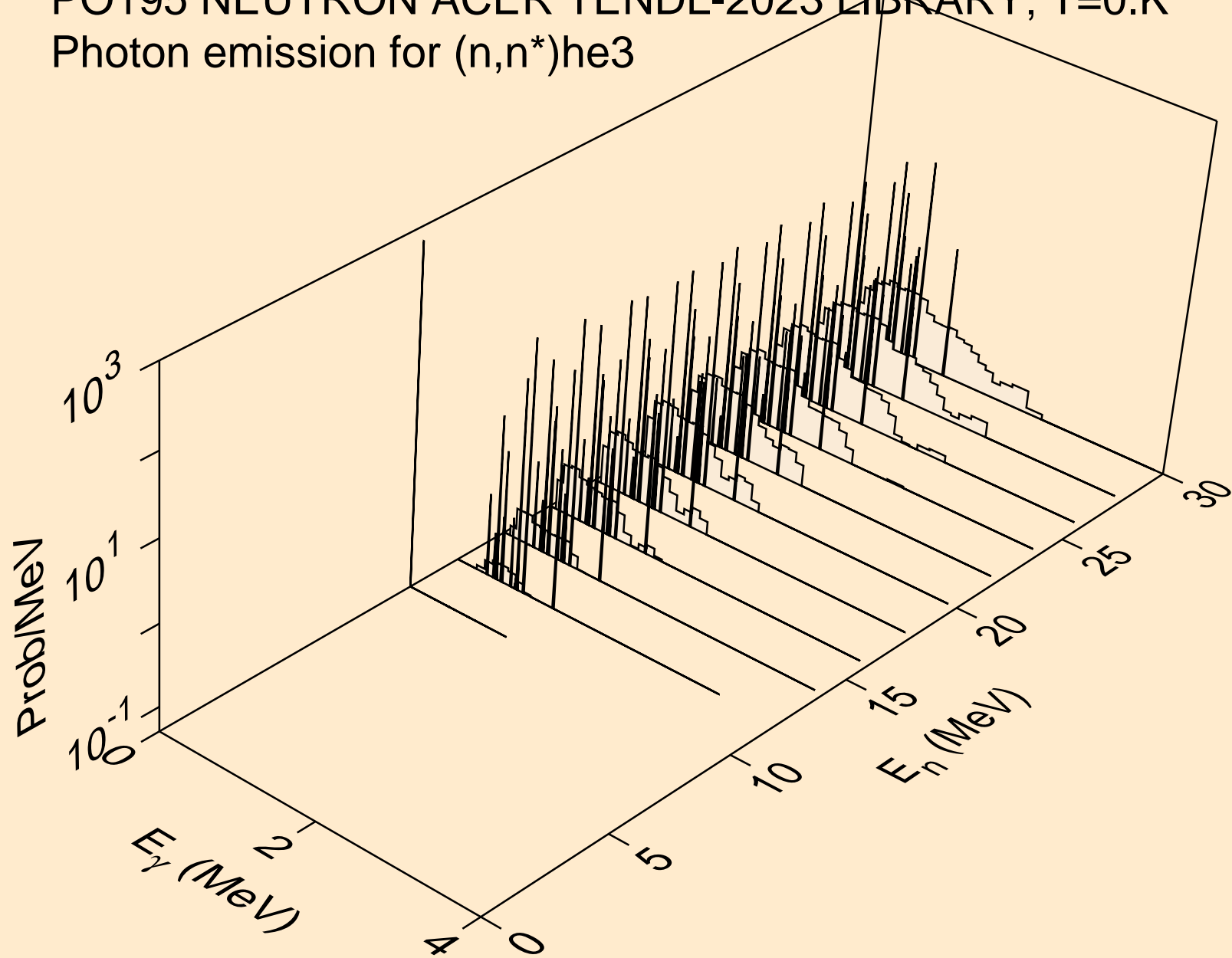
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Photon emission for (n,n\*)d



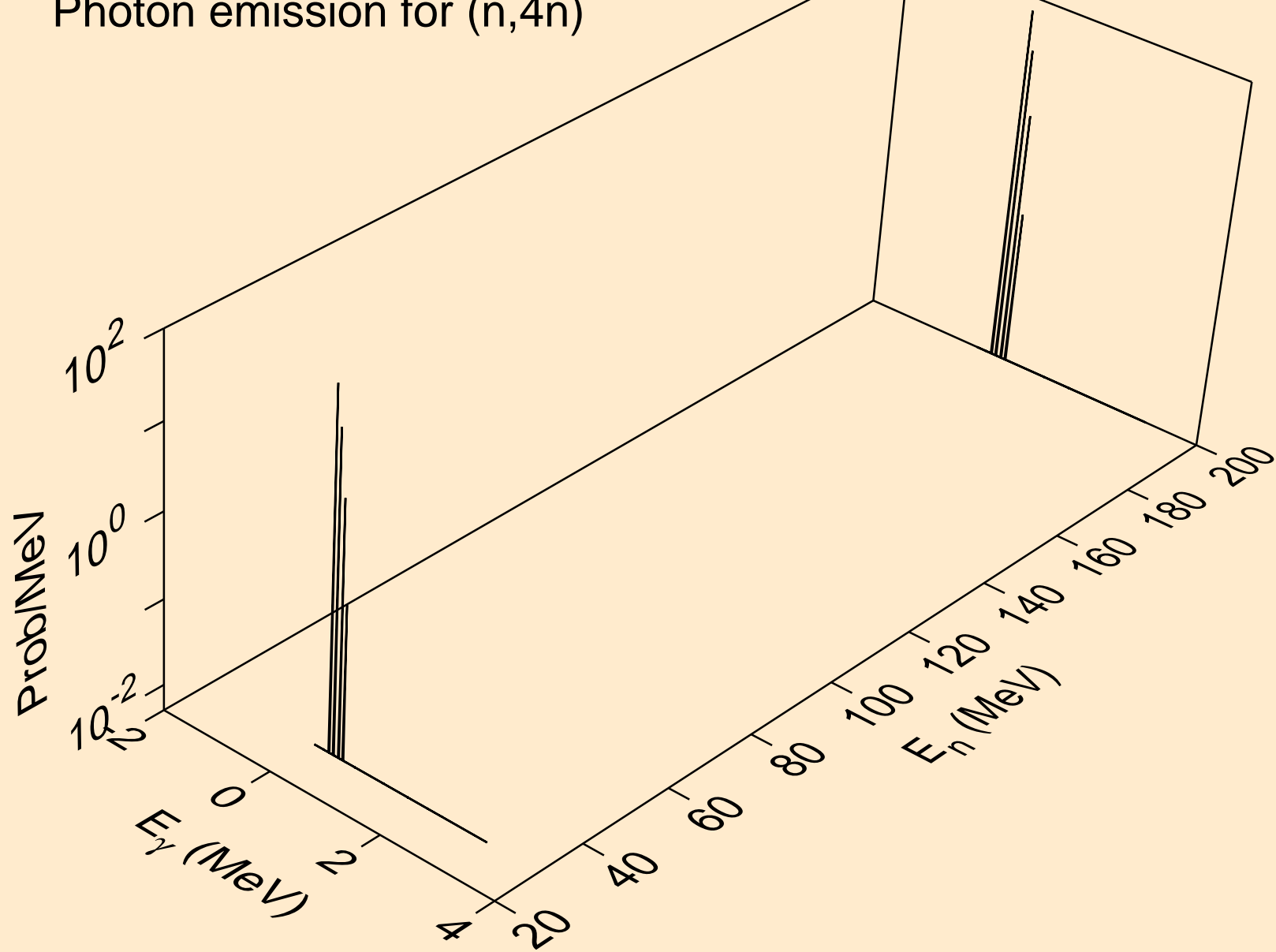
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Photon emission for (n,n\*)t



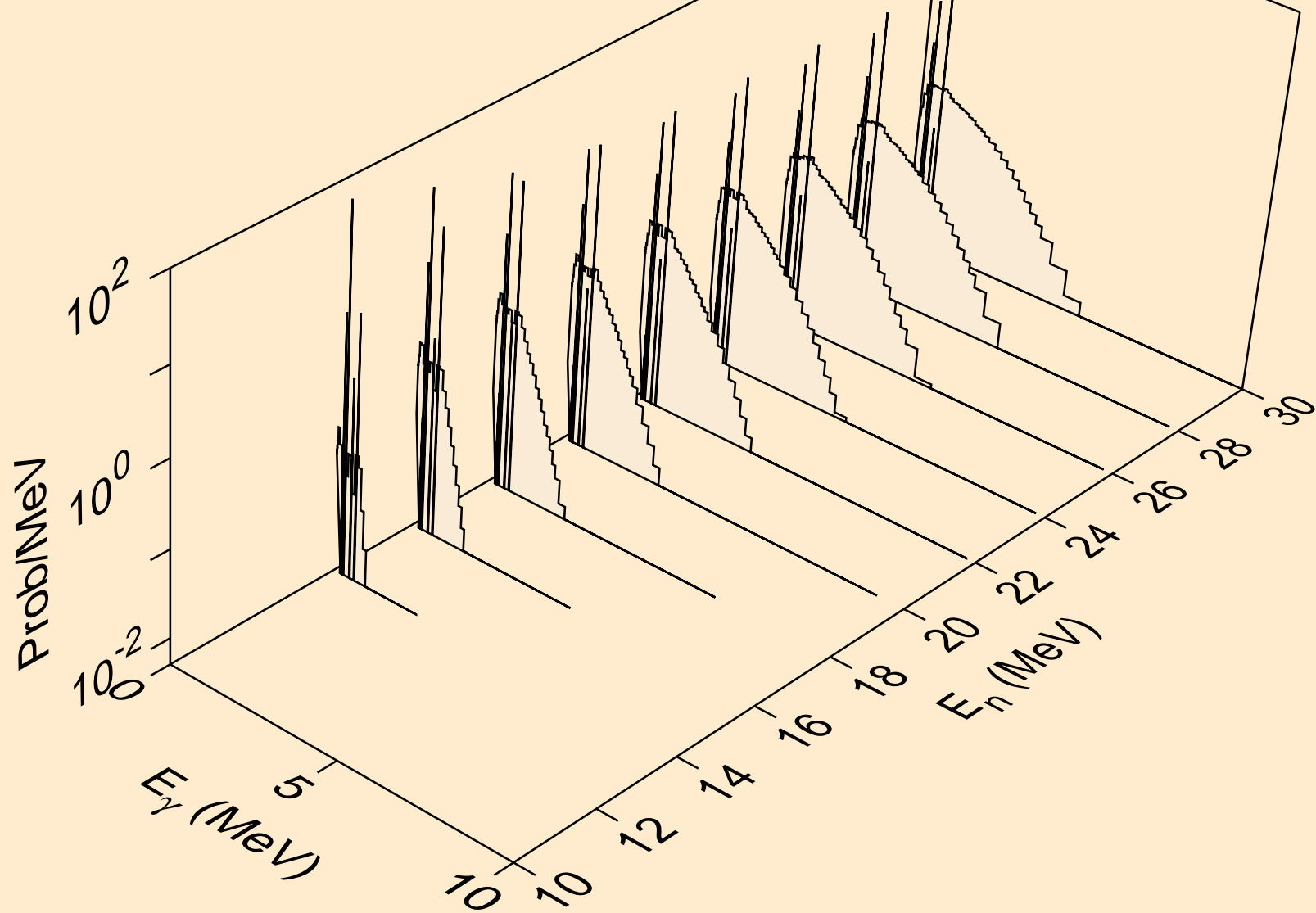
PO195 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



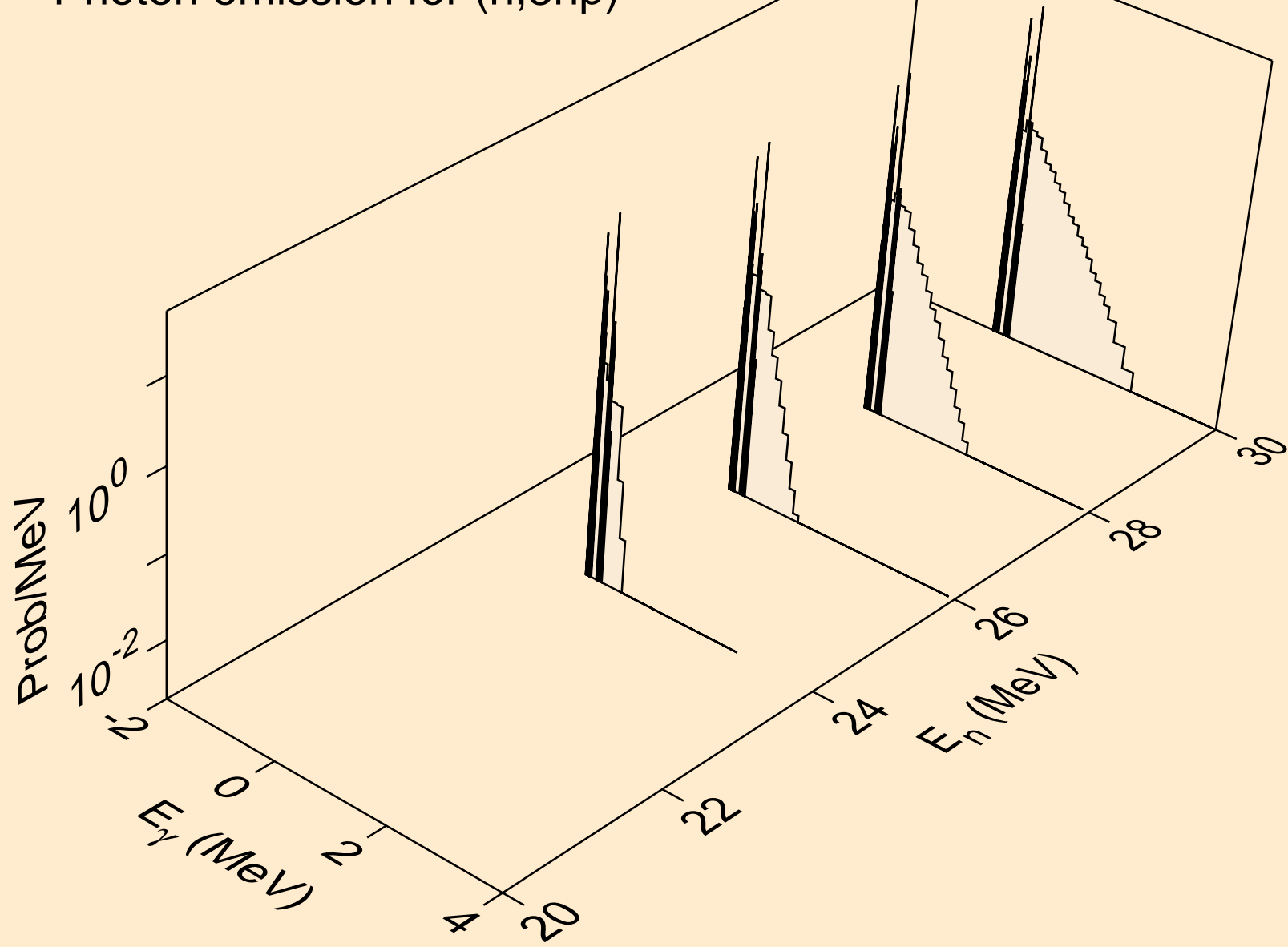
PO195 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,4n)



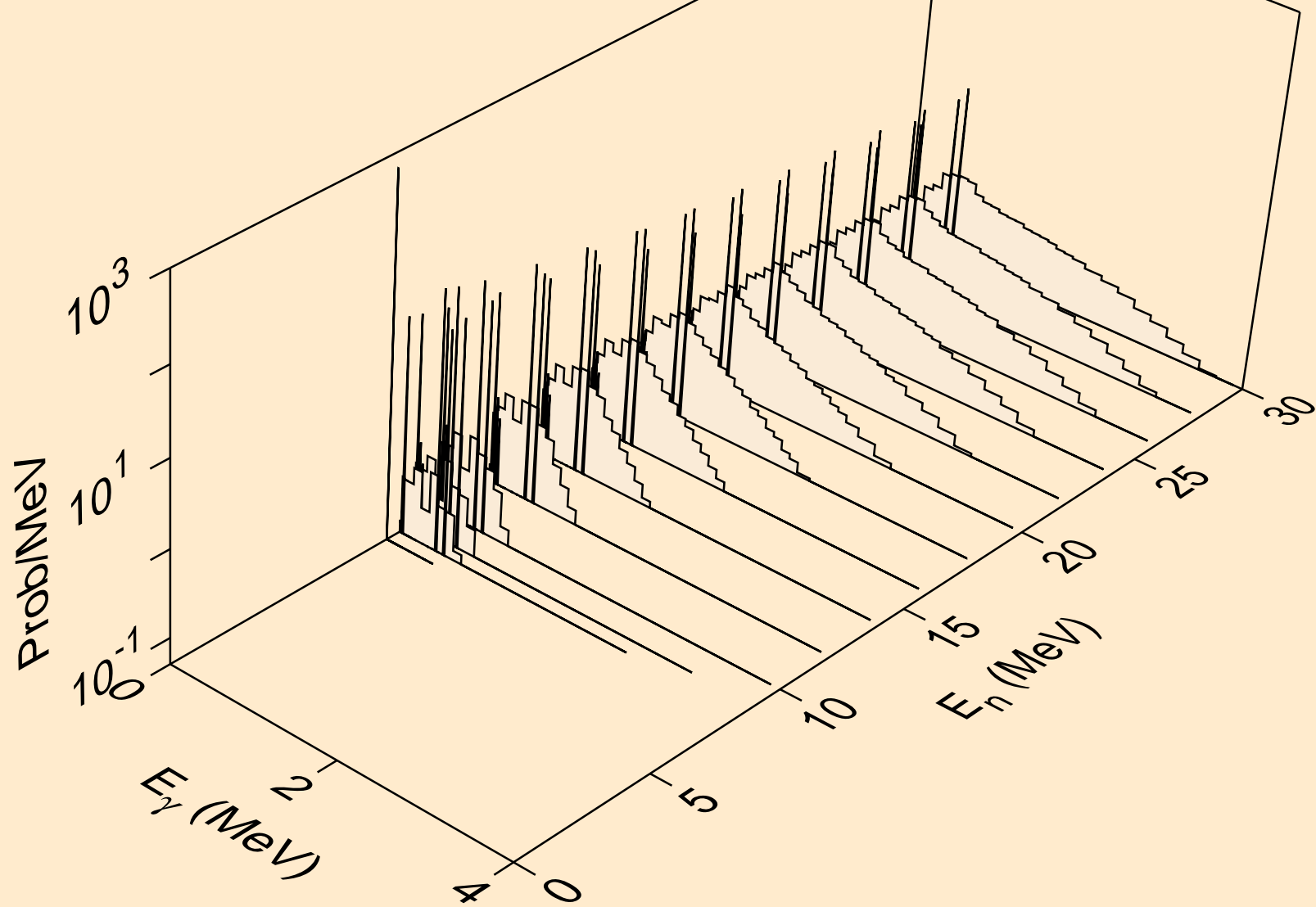
PO195 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)



PO195 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3np)

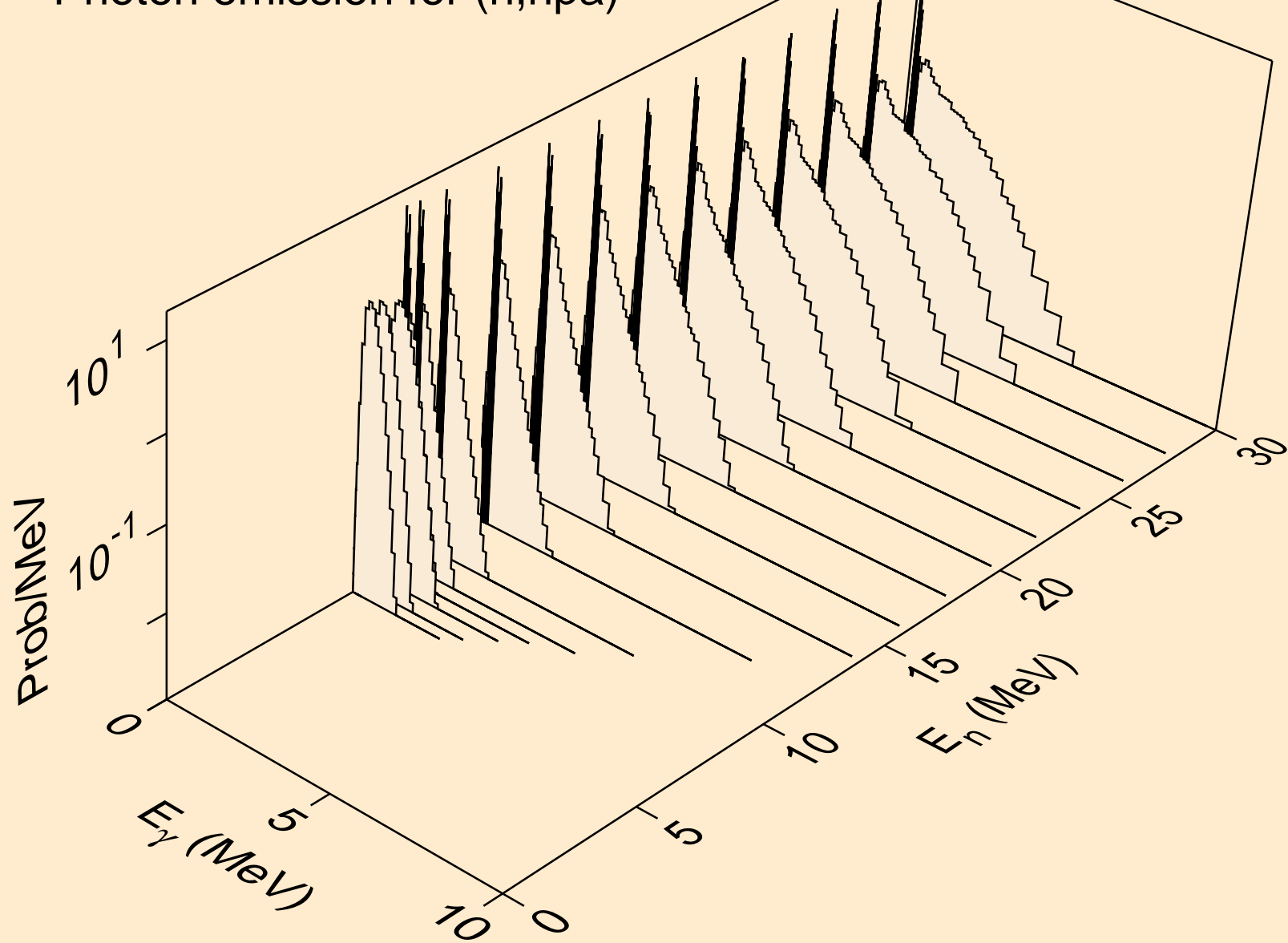


PO195 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)

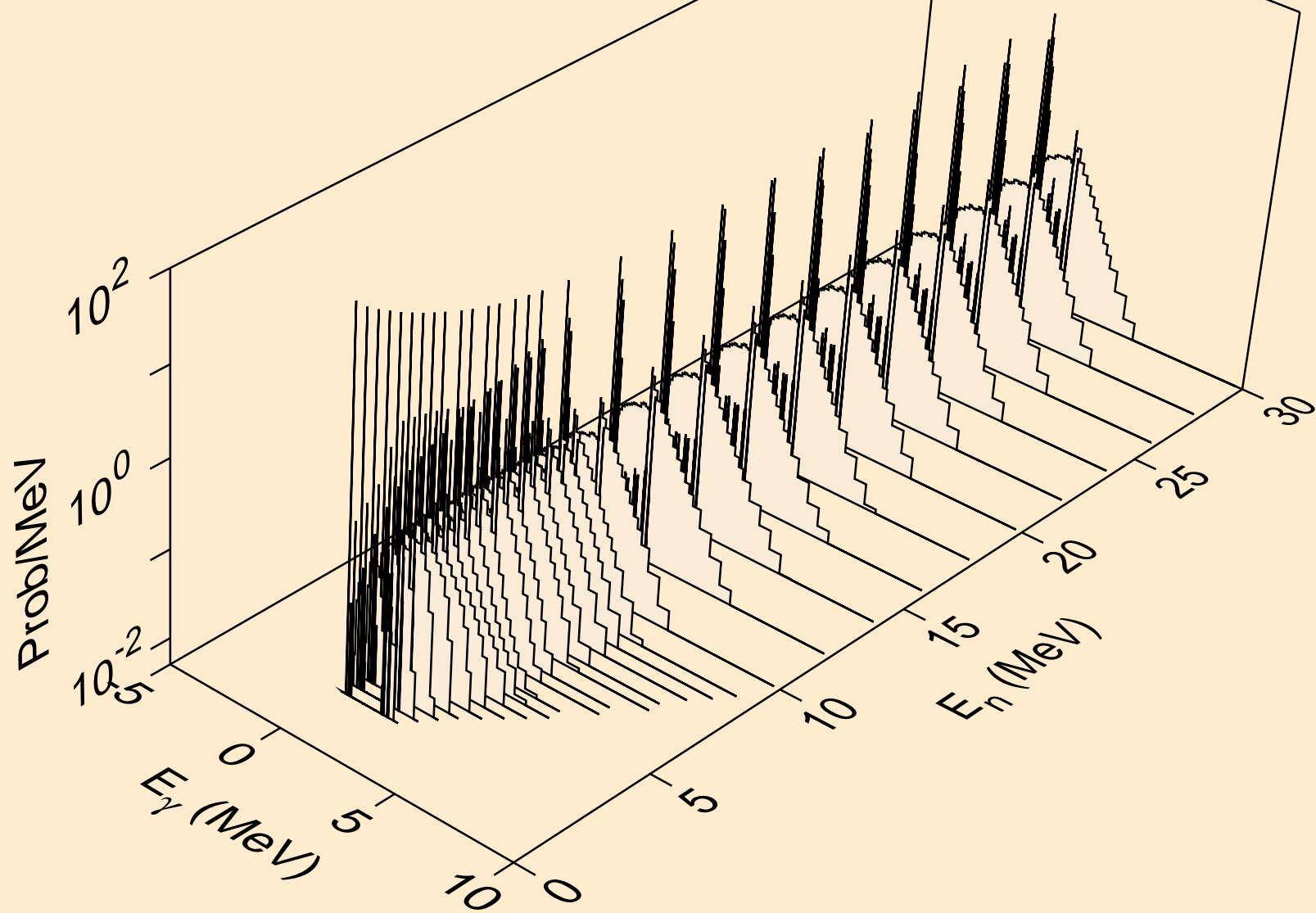




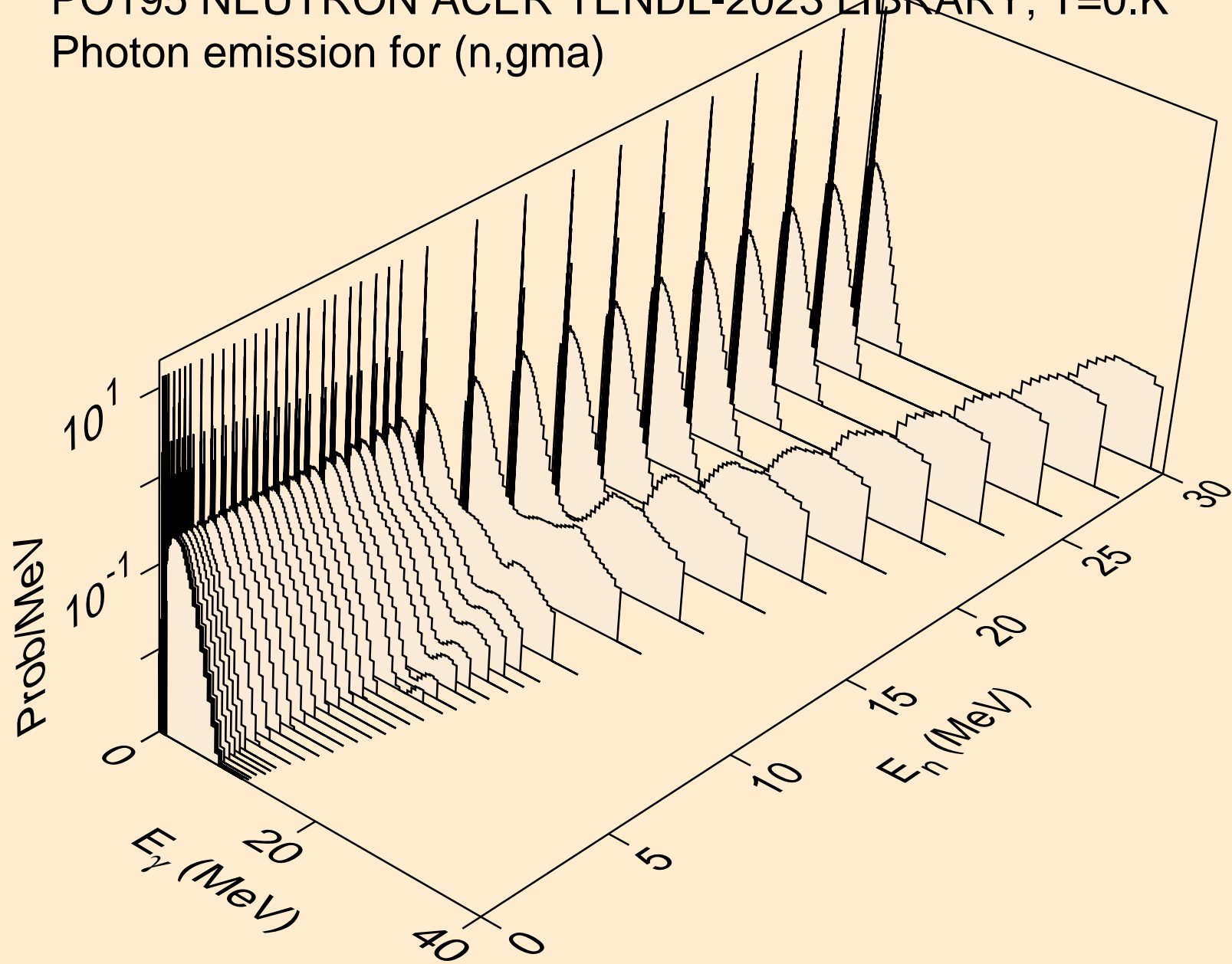
PO195 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,npa)



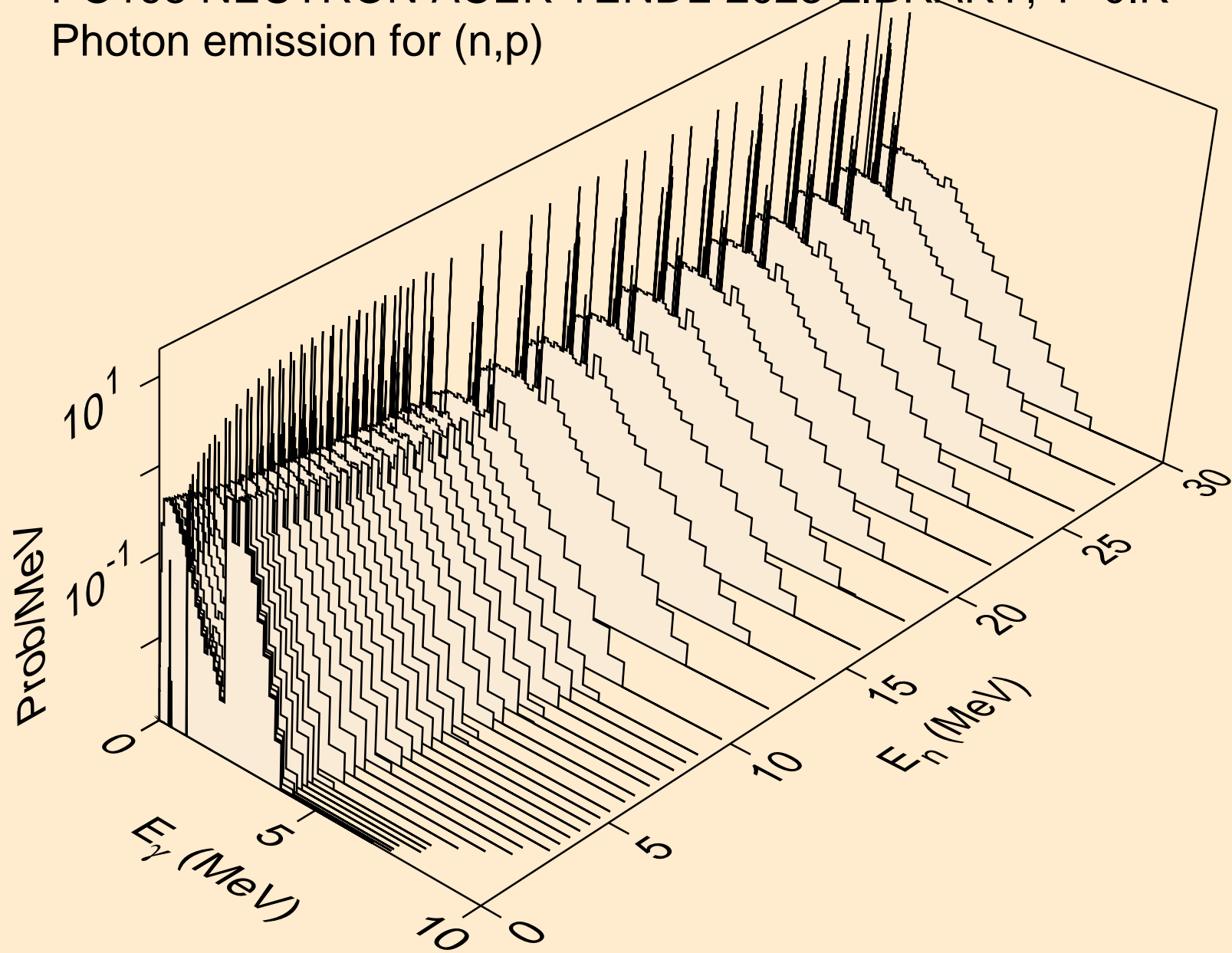
PO195 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*c)



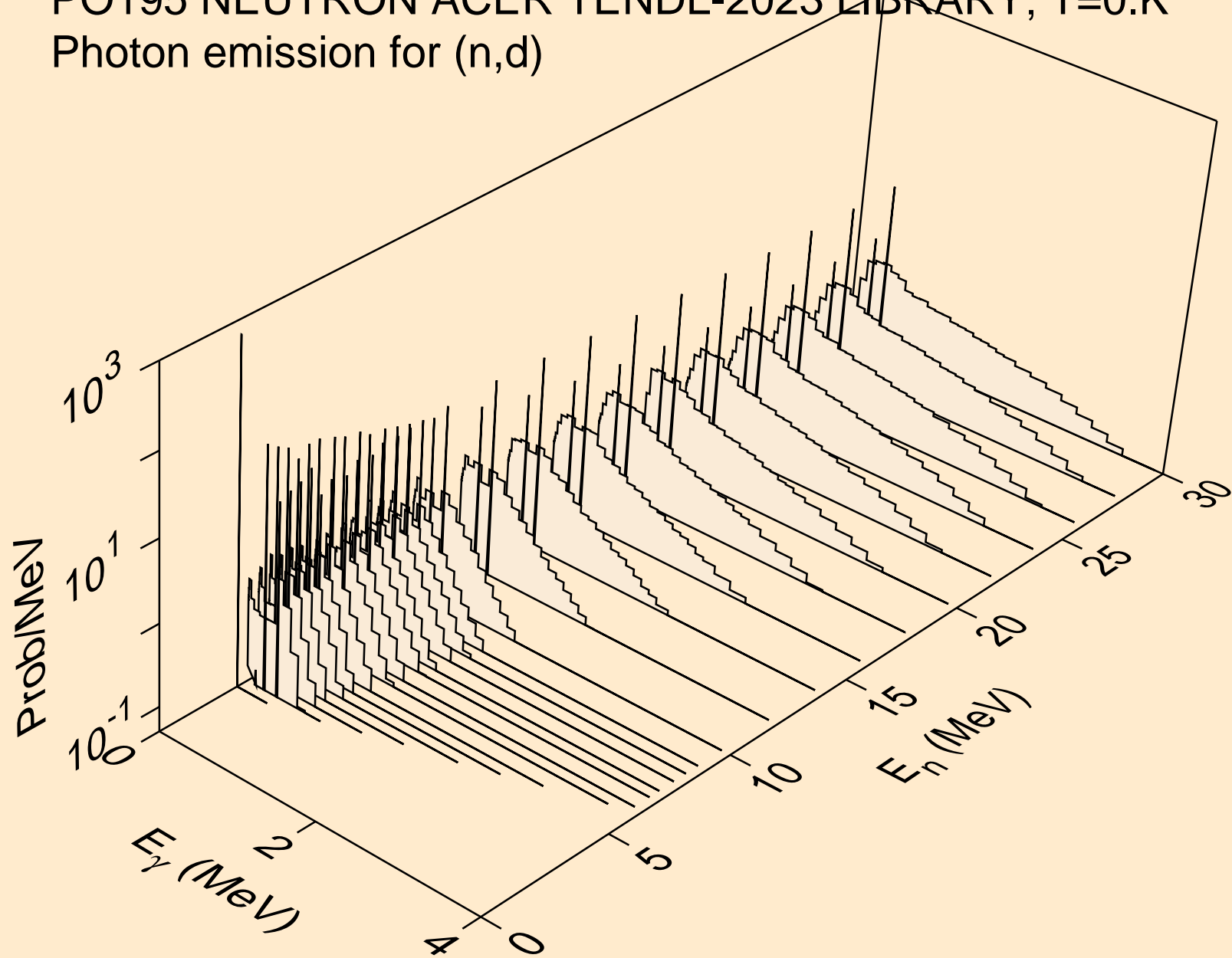
PO195 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)



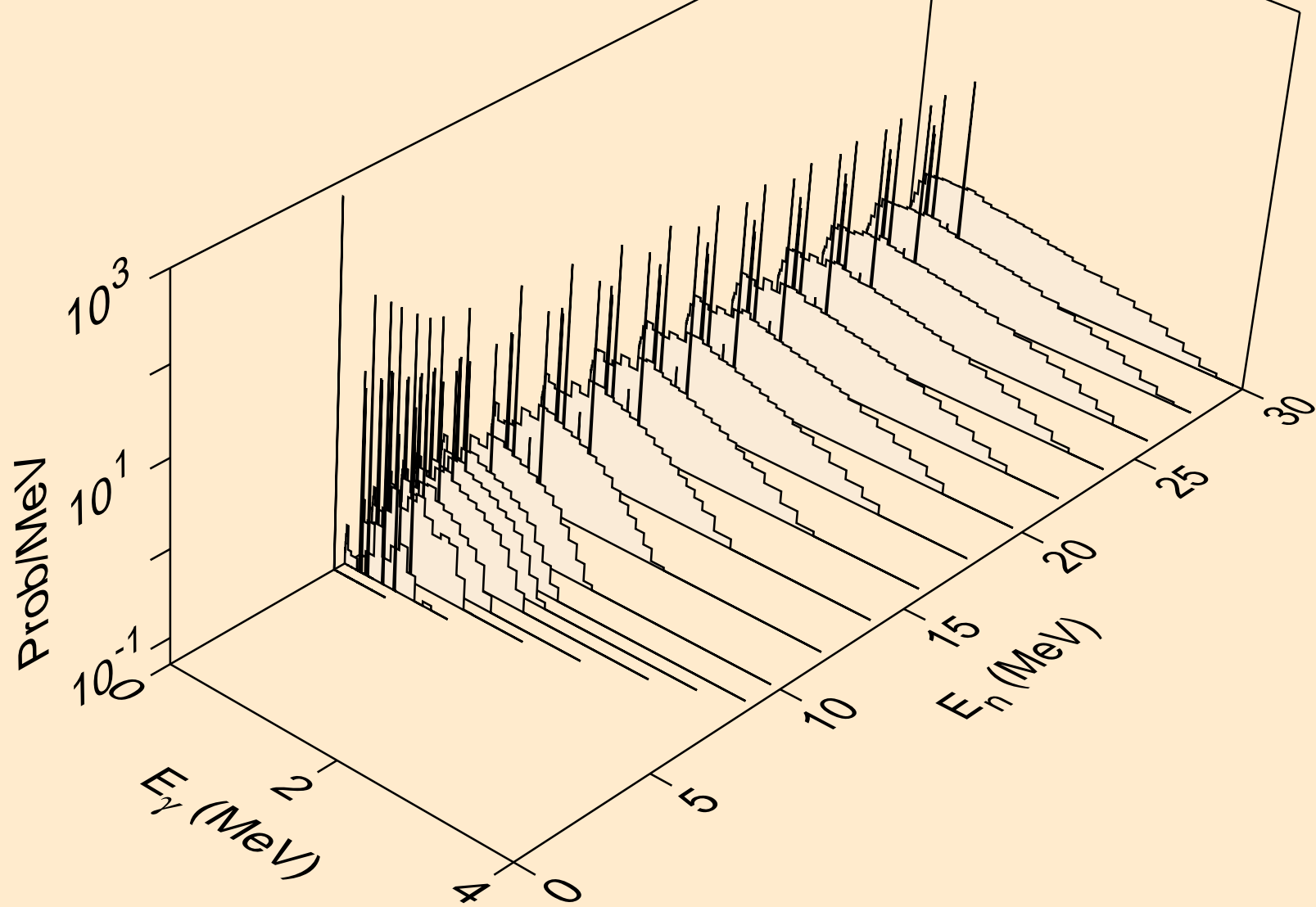
PO195 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)



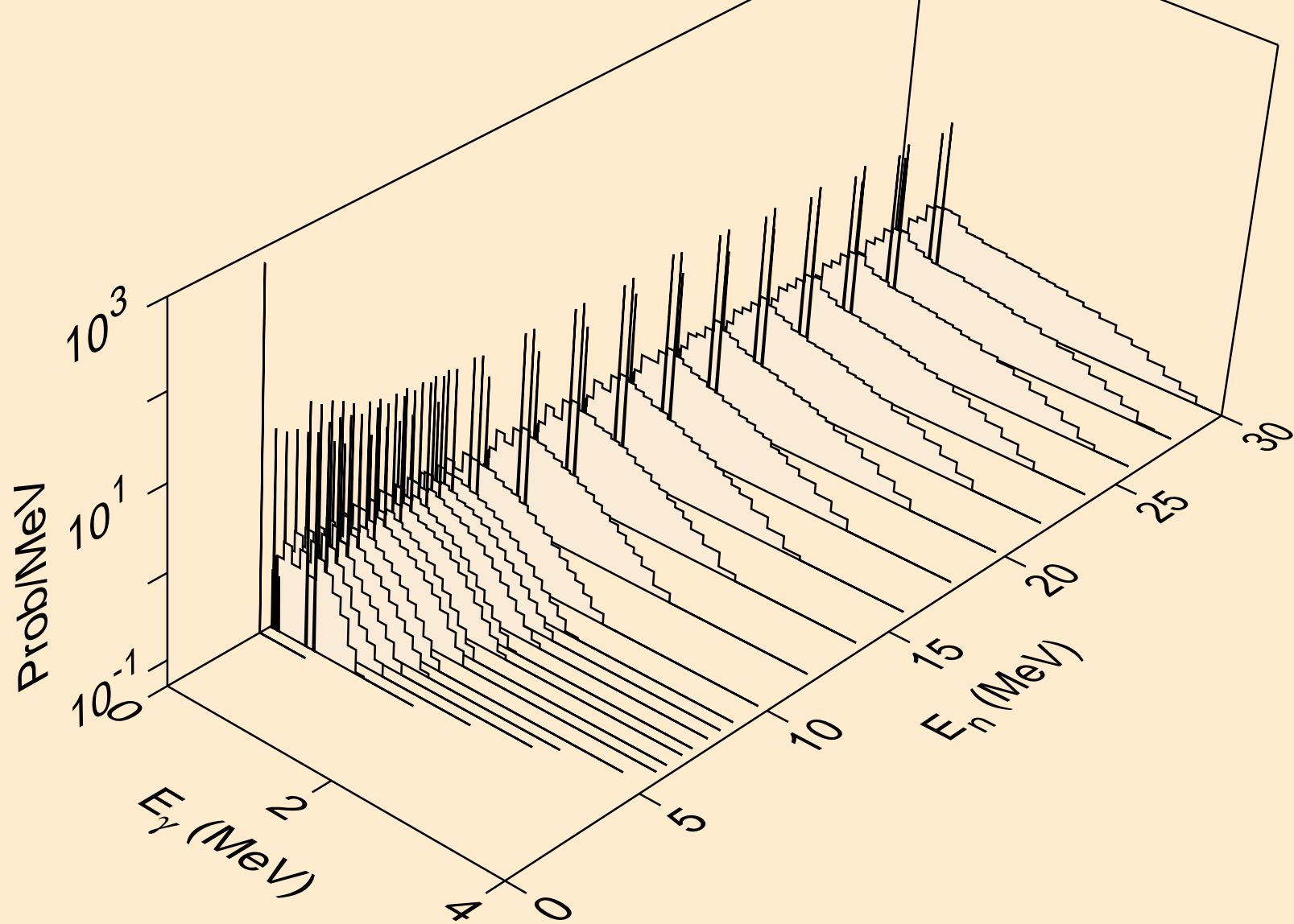
PO195 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)



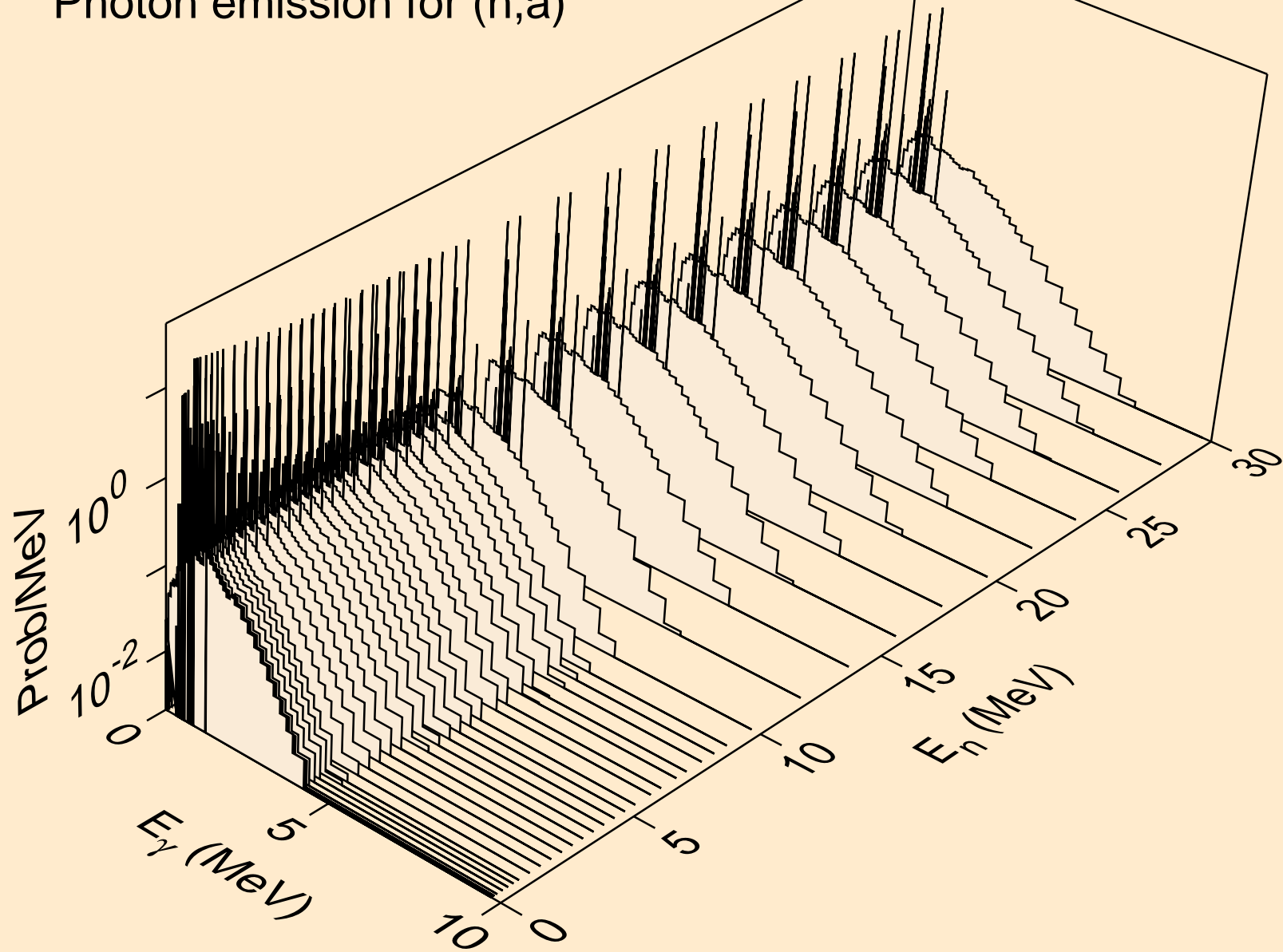
PO195 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)



PO195 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)

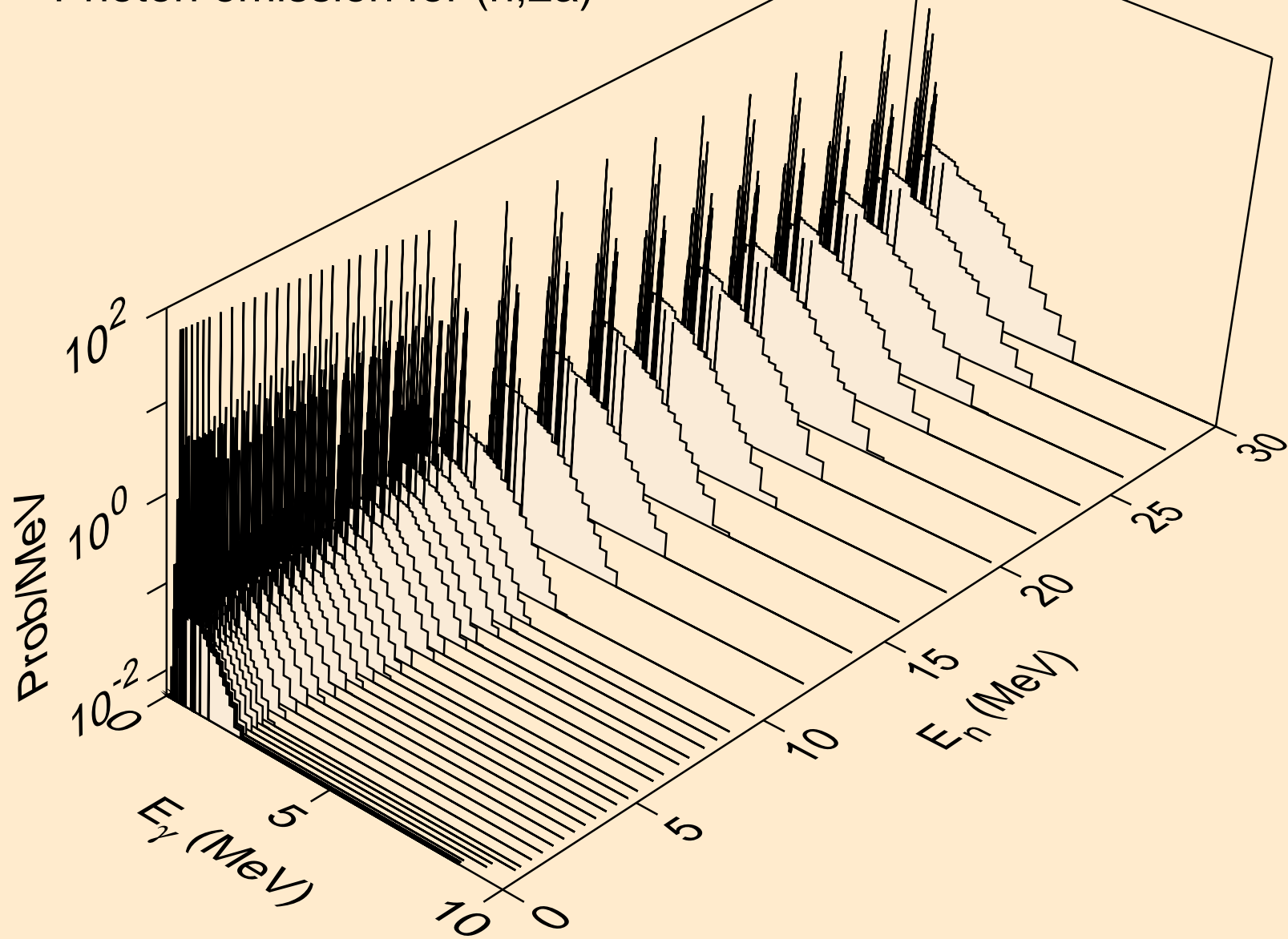


PO195 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)

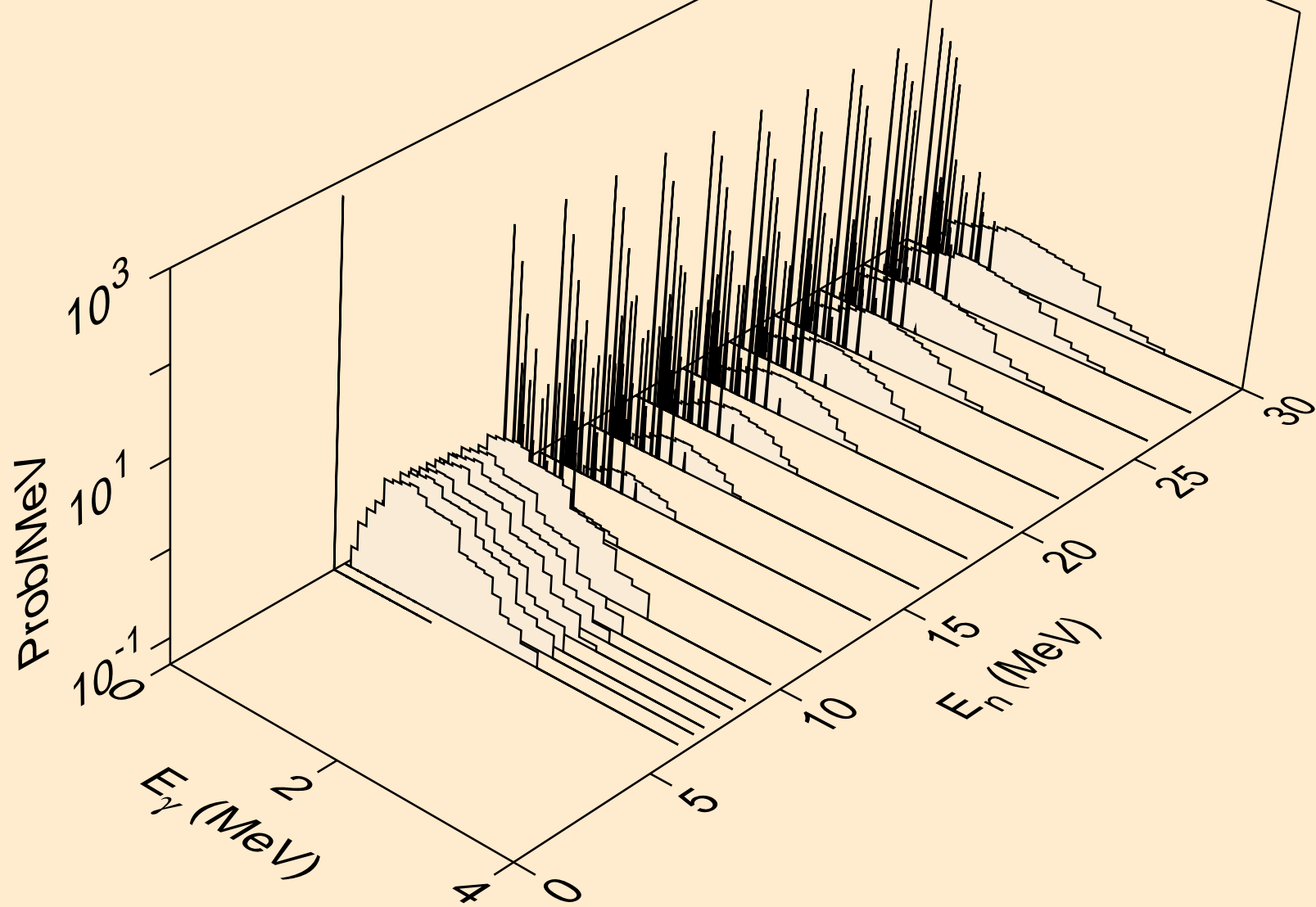




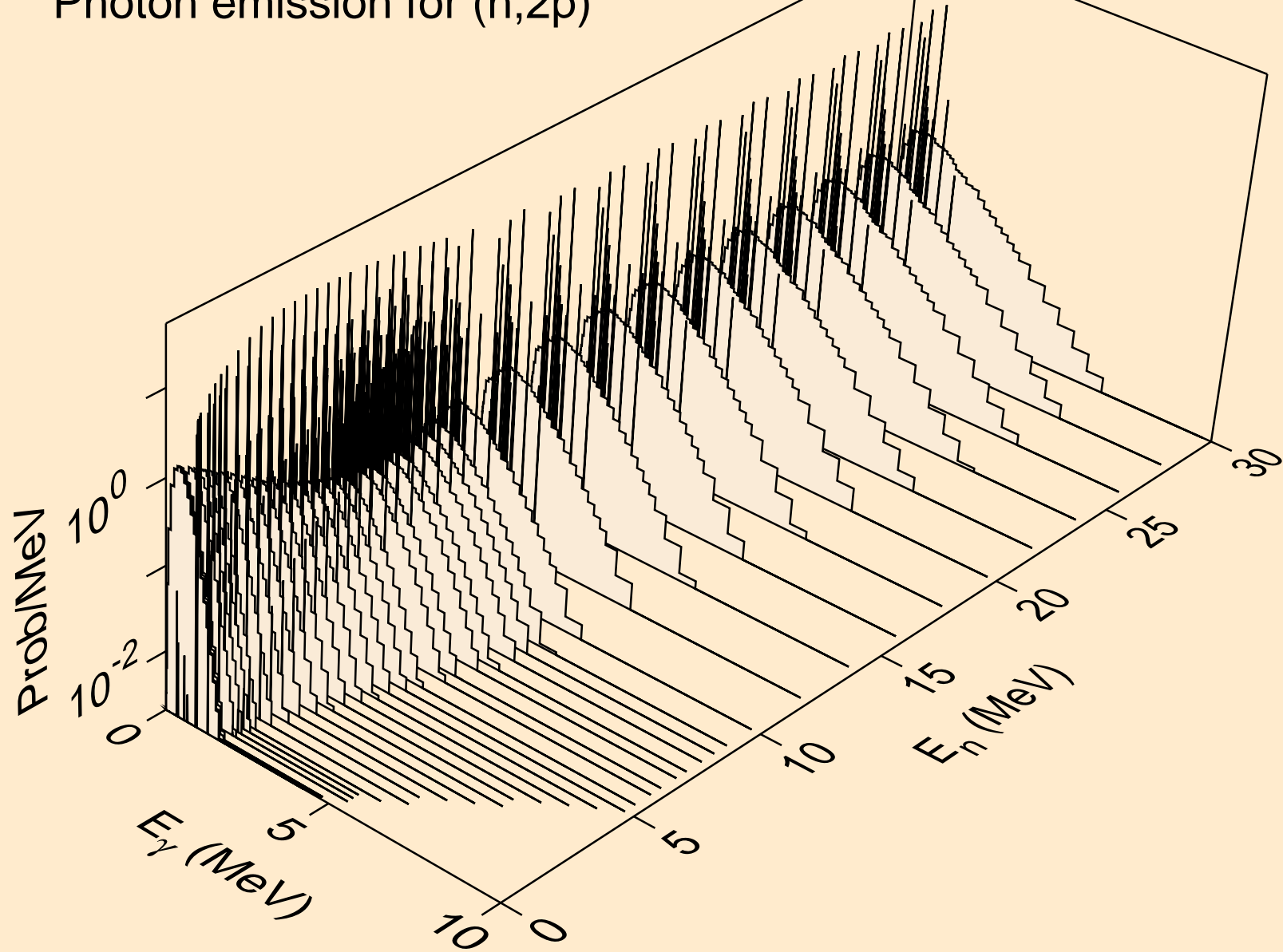
PO195 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2a)



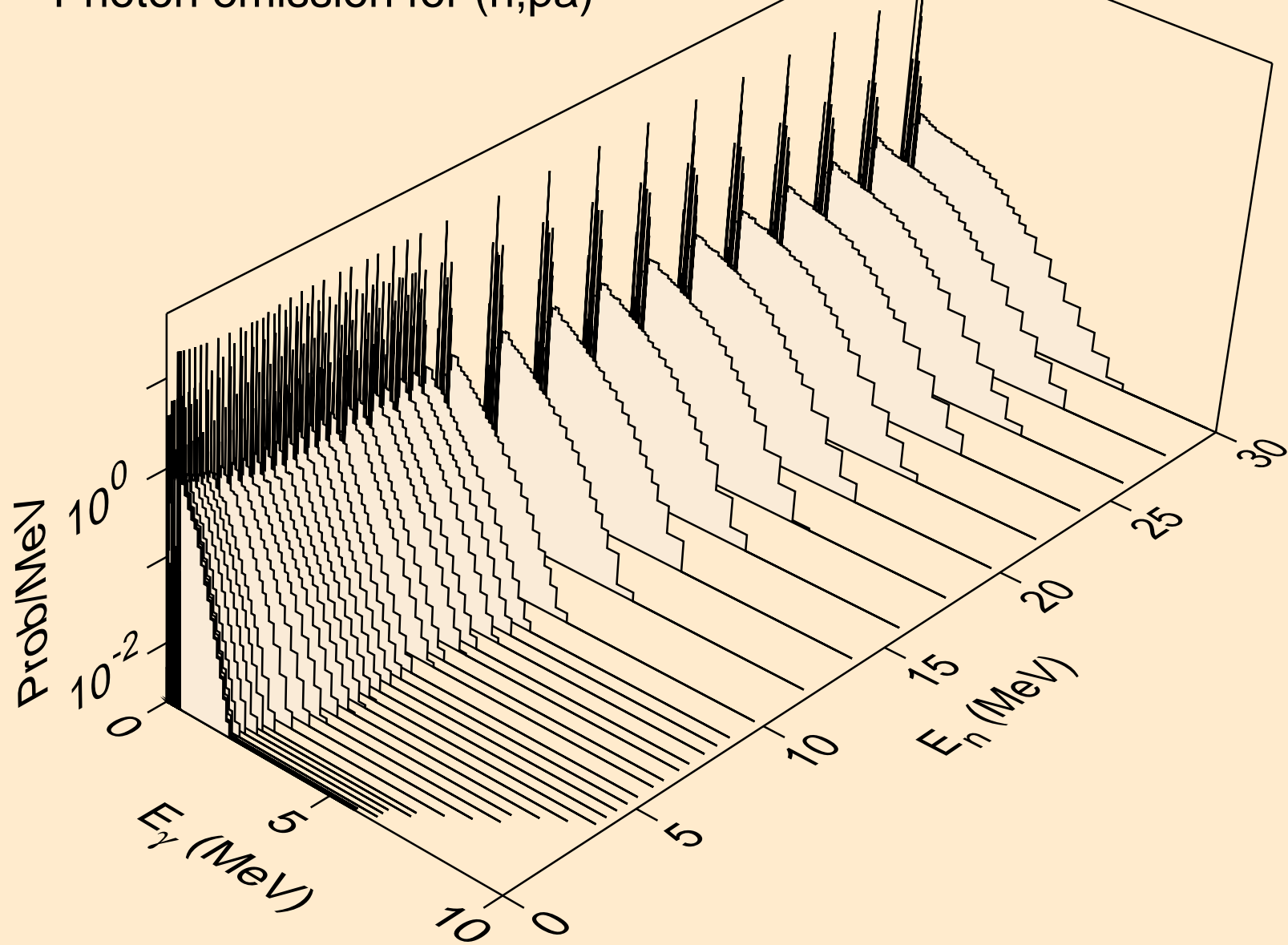
PO195 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3a)



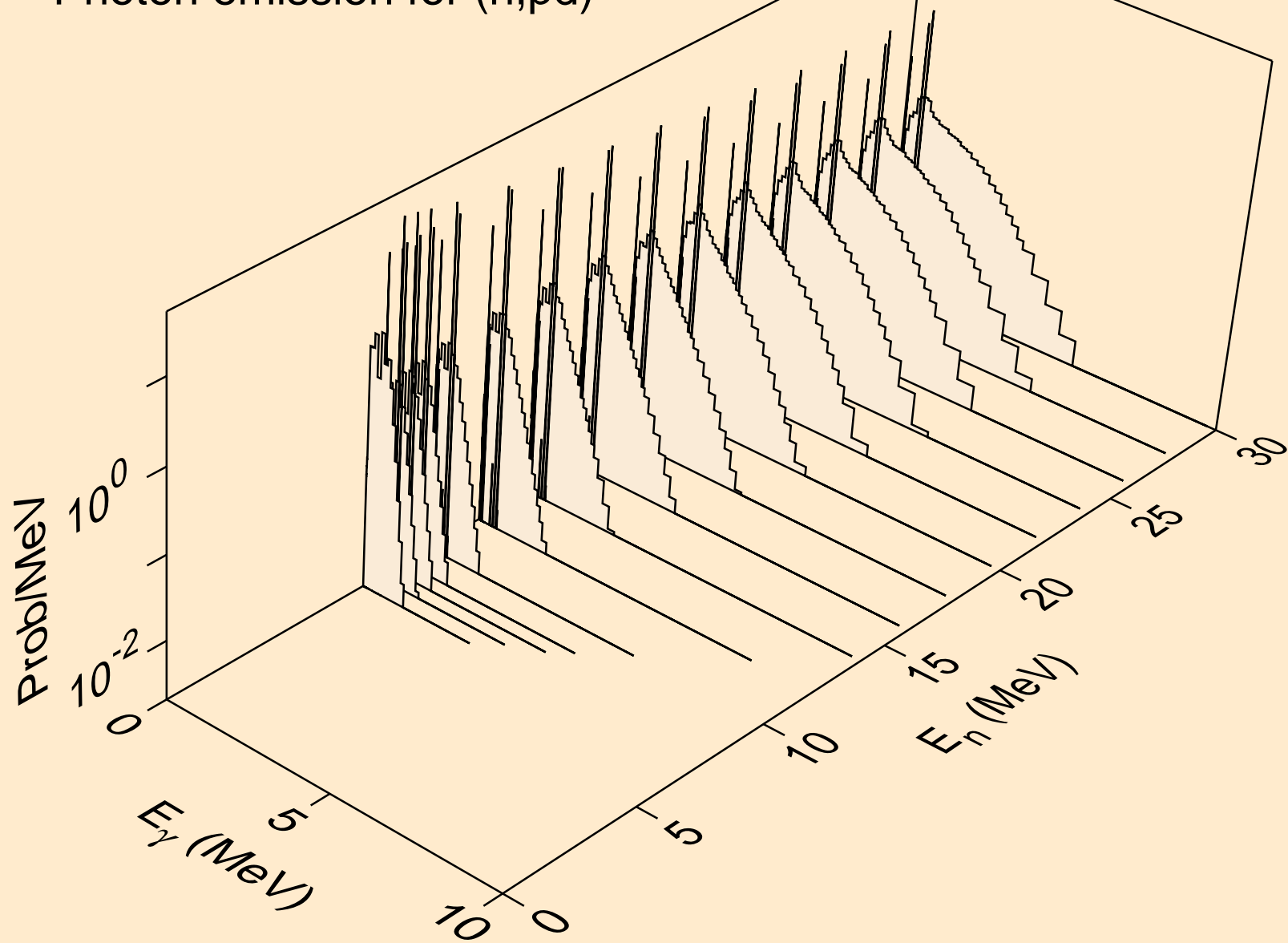
PO195 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)



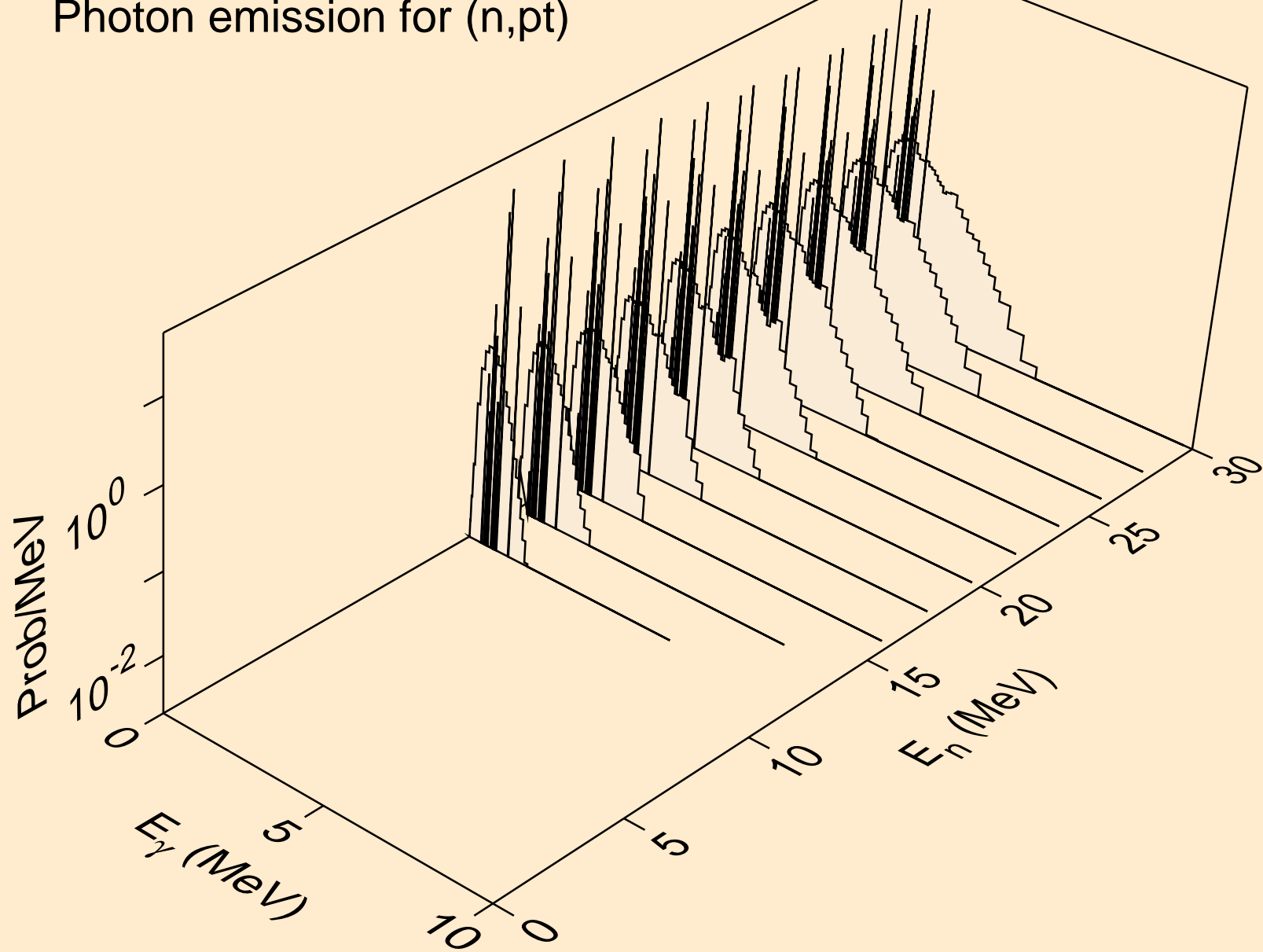
PO195 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p $\alpha$ )



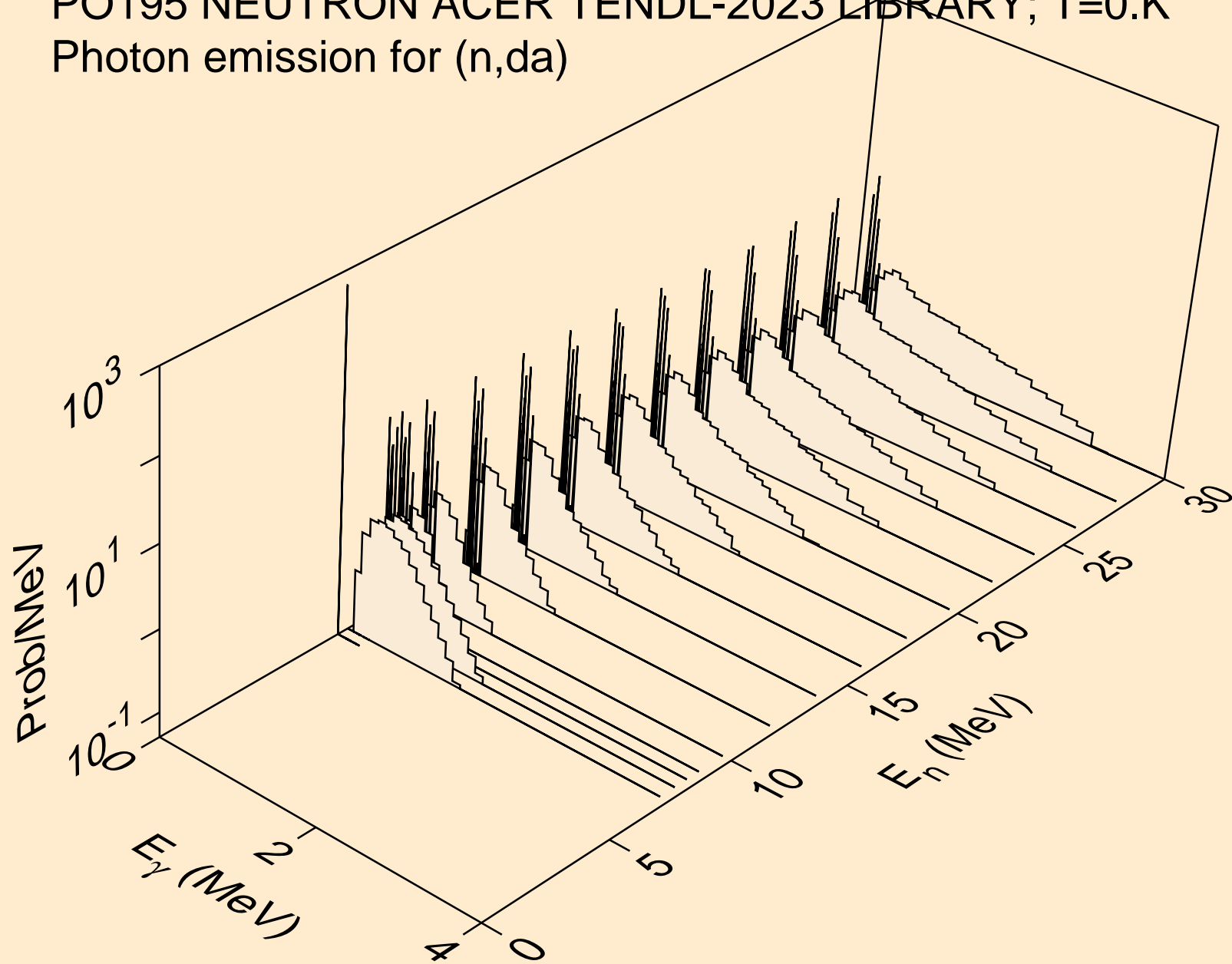
PO195 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)



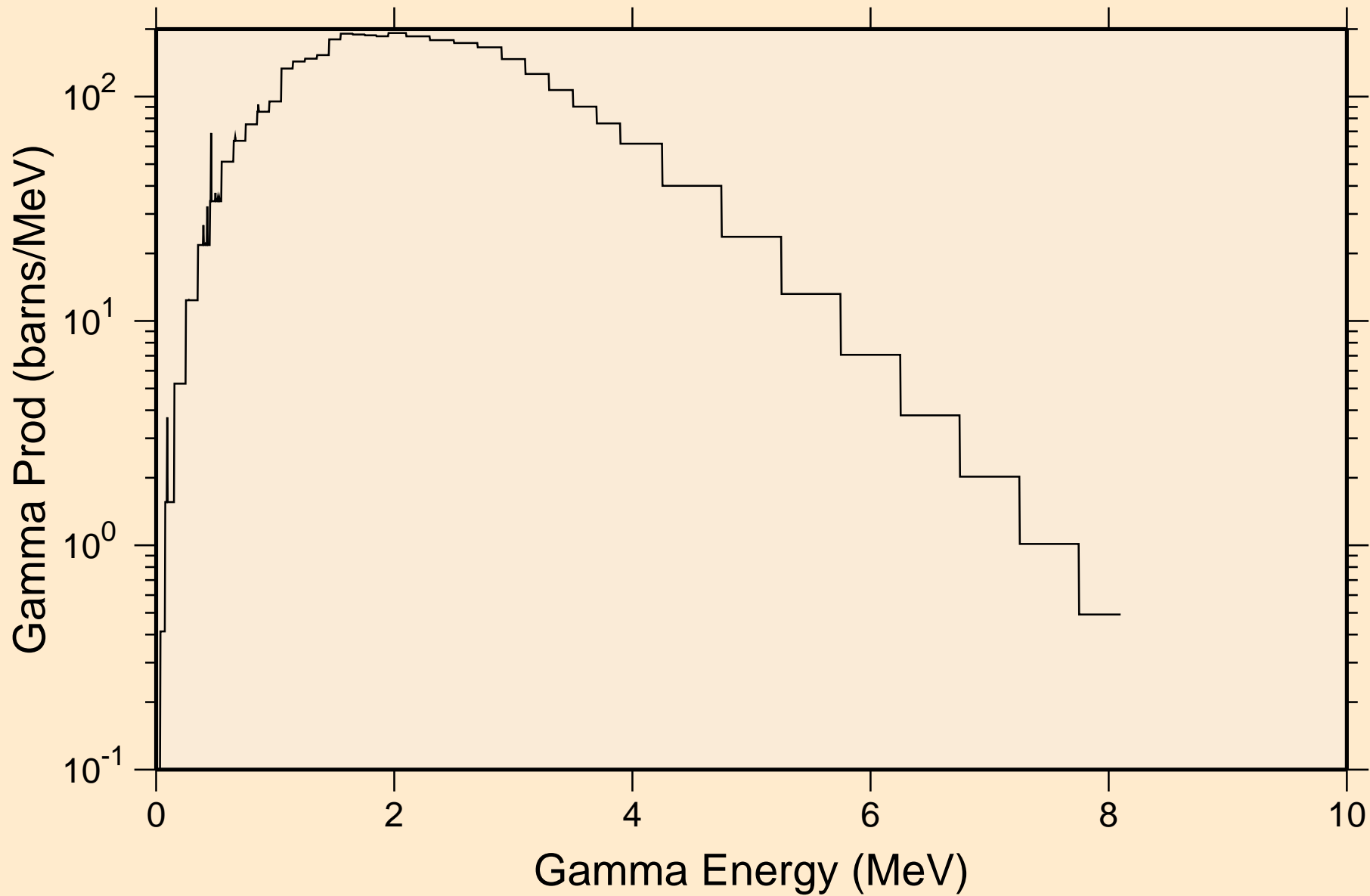
PO195 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)



PO195 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)

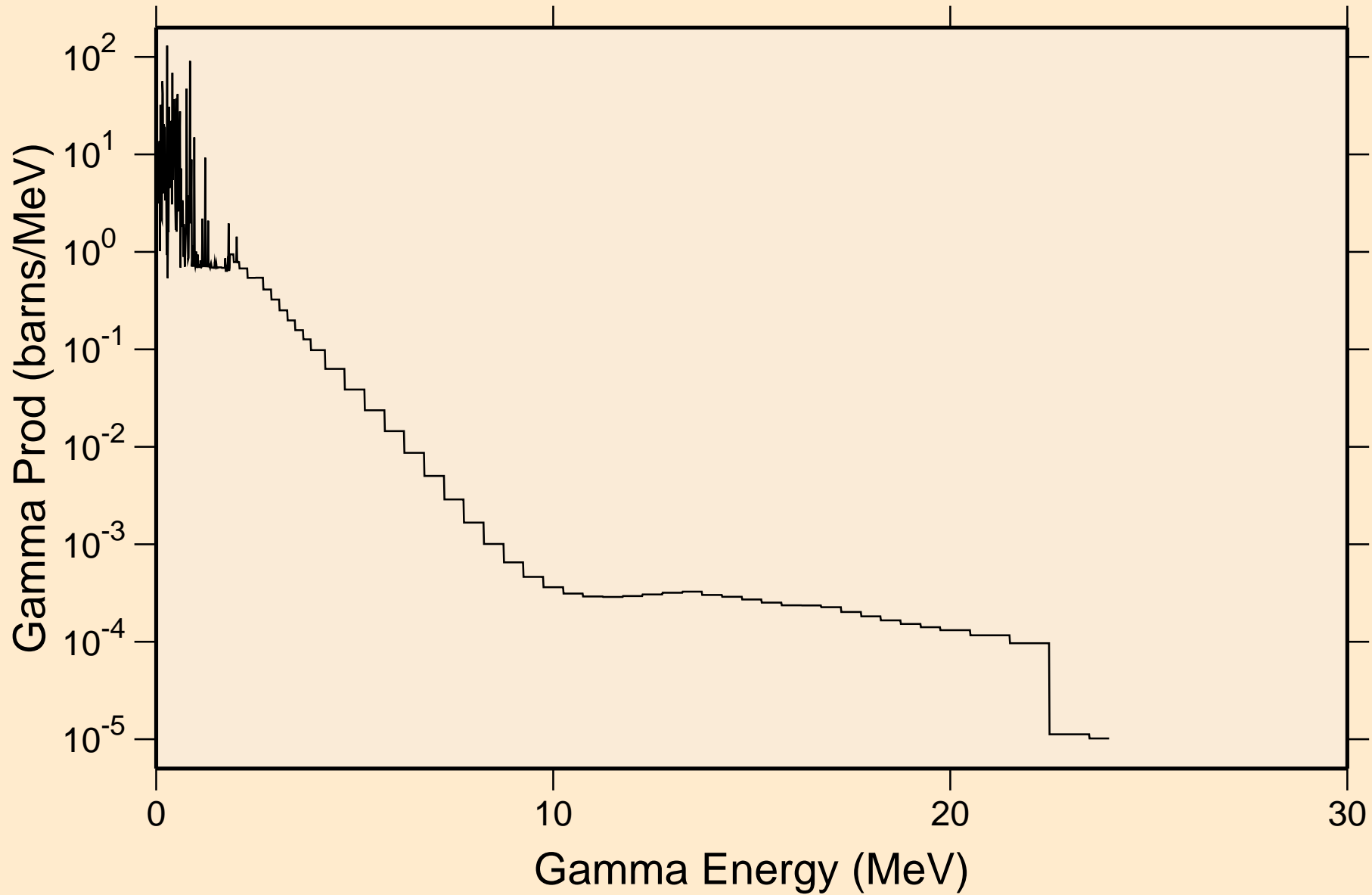


PO195 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
thermal capture photon spectrum



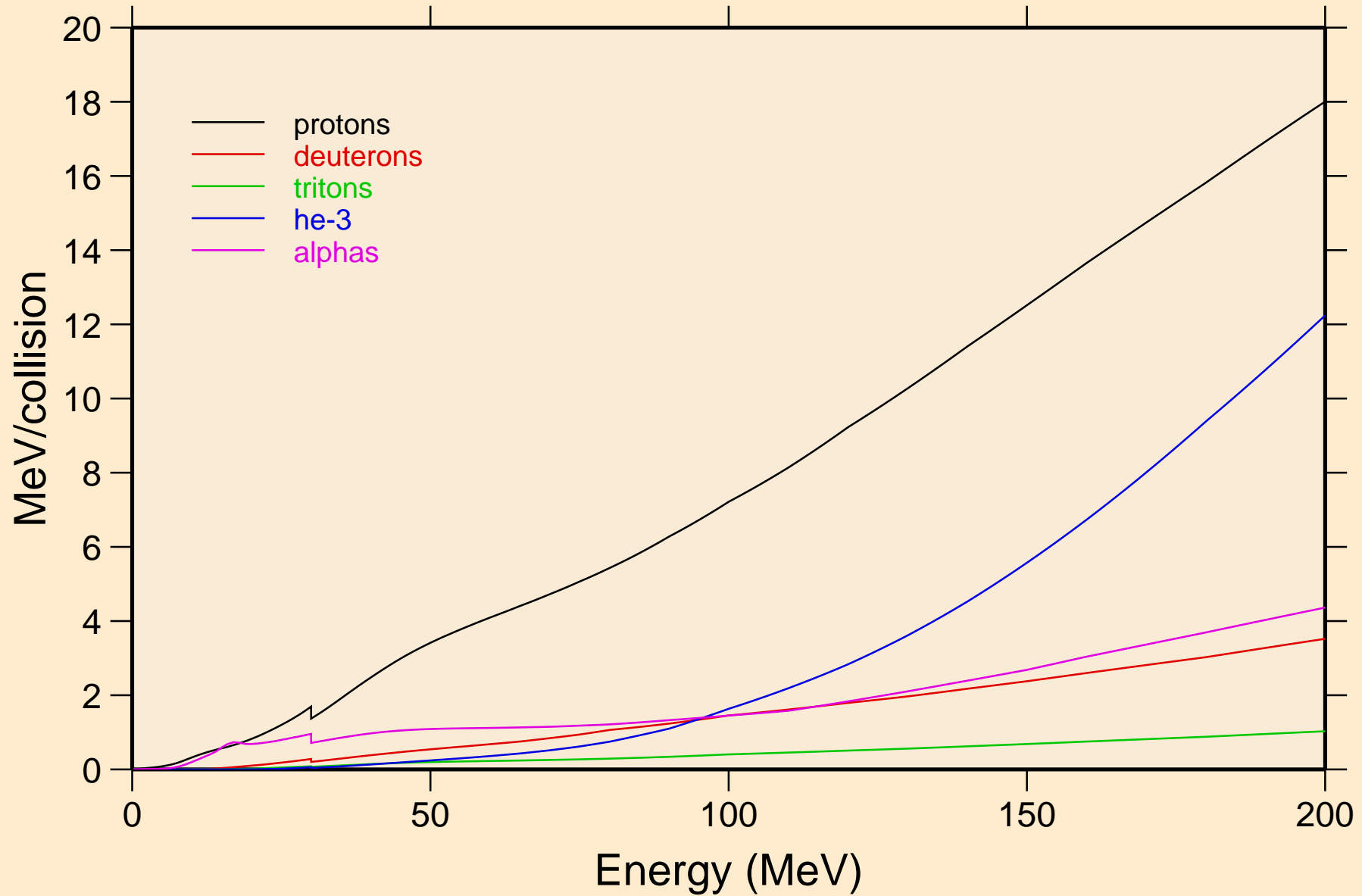


PO195 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
14 MeV photon spectrum

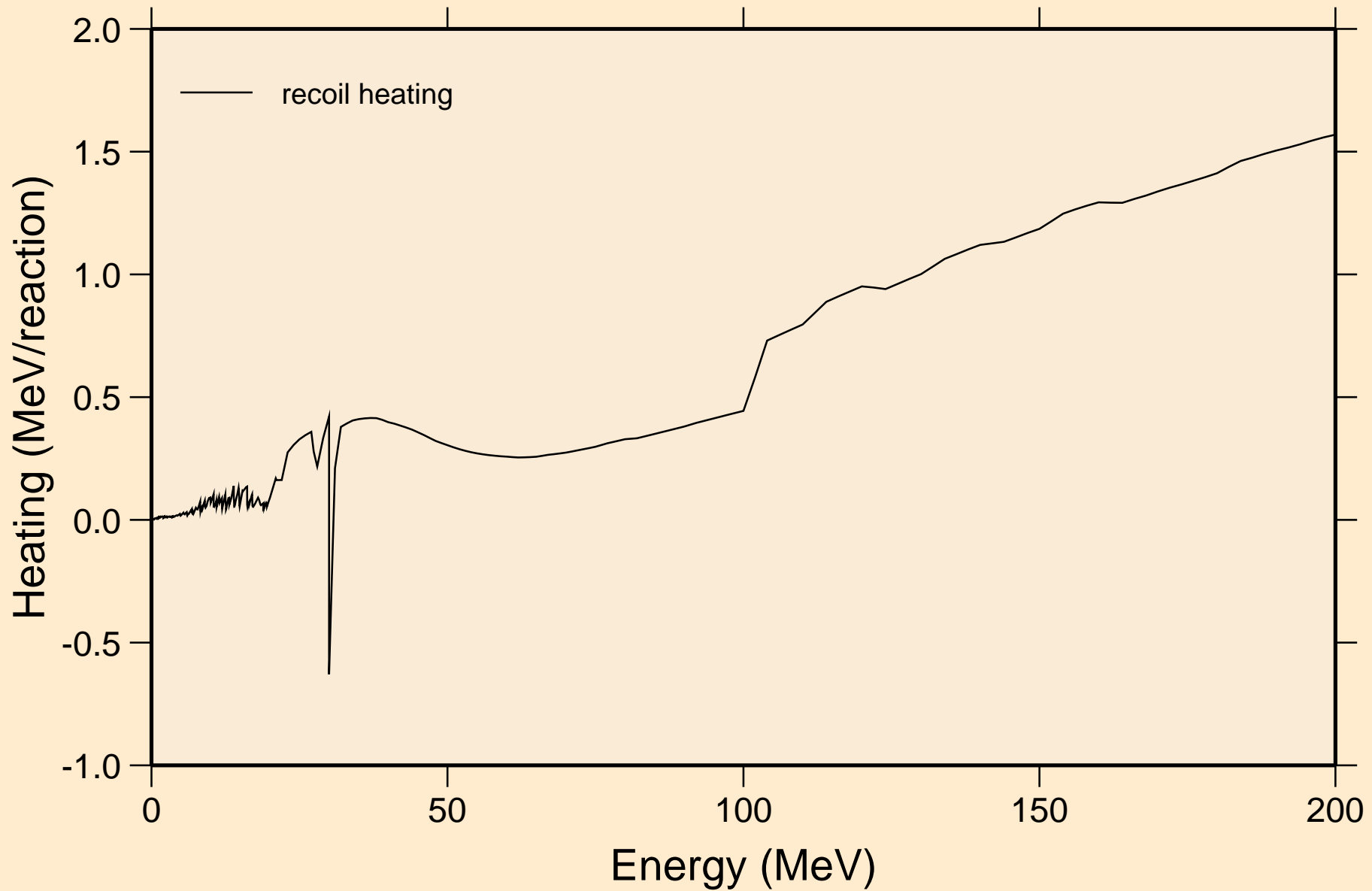


# PO195 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

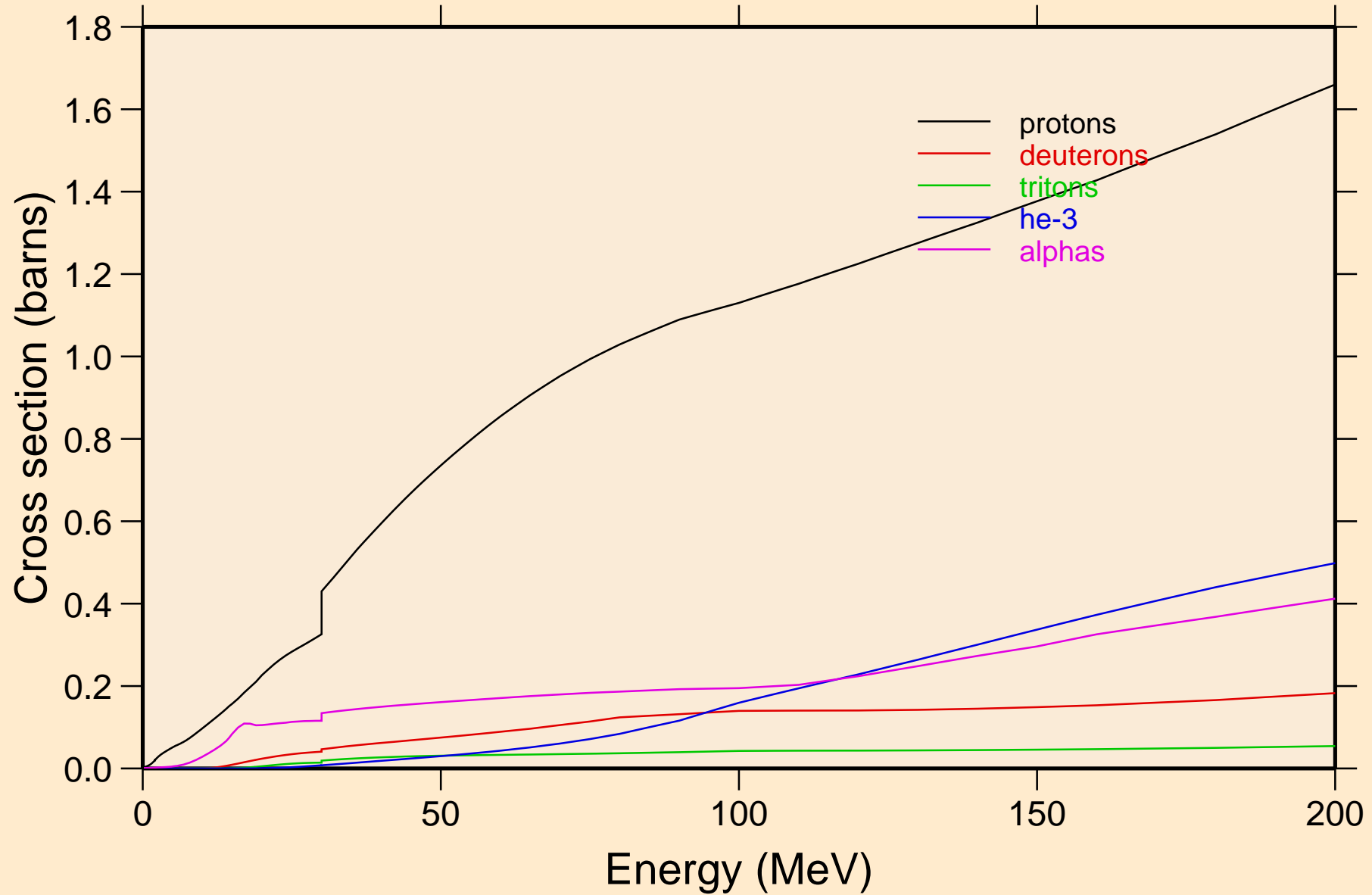
## Particle heating contributions



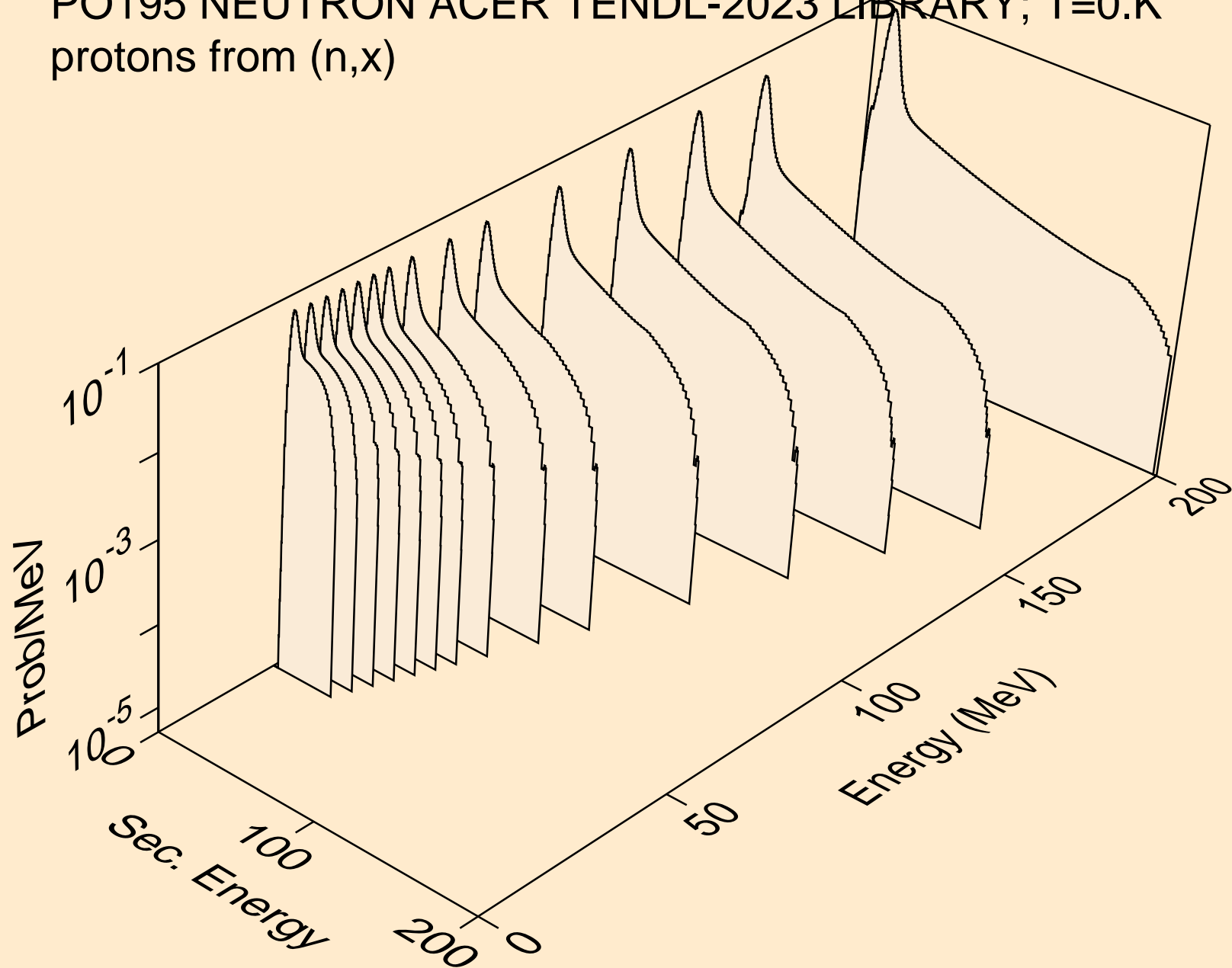
PO195 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating



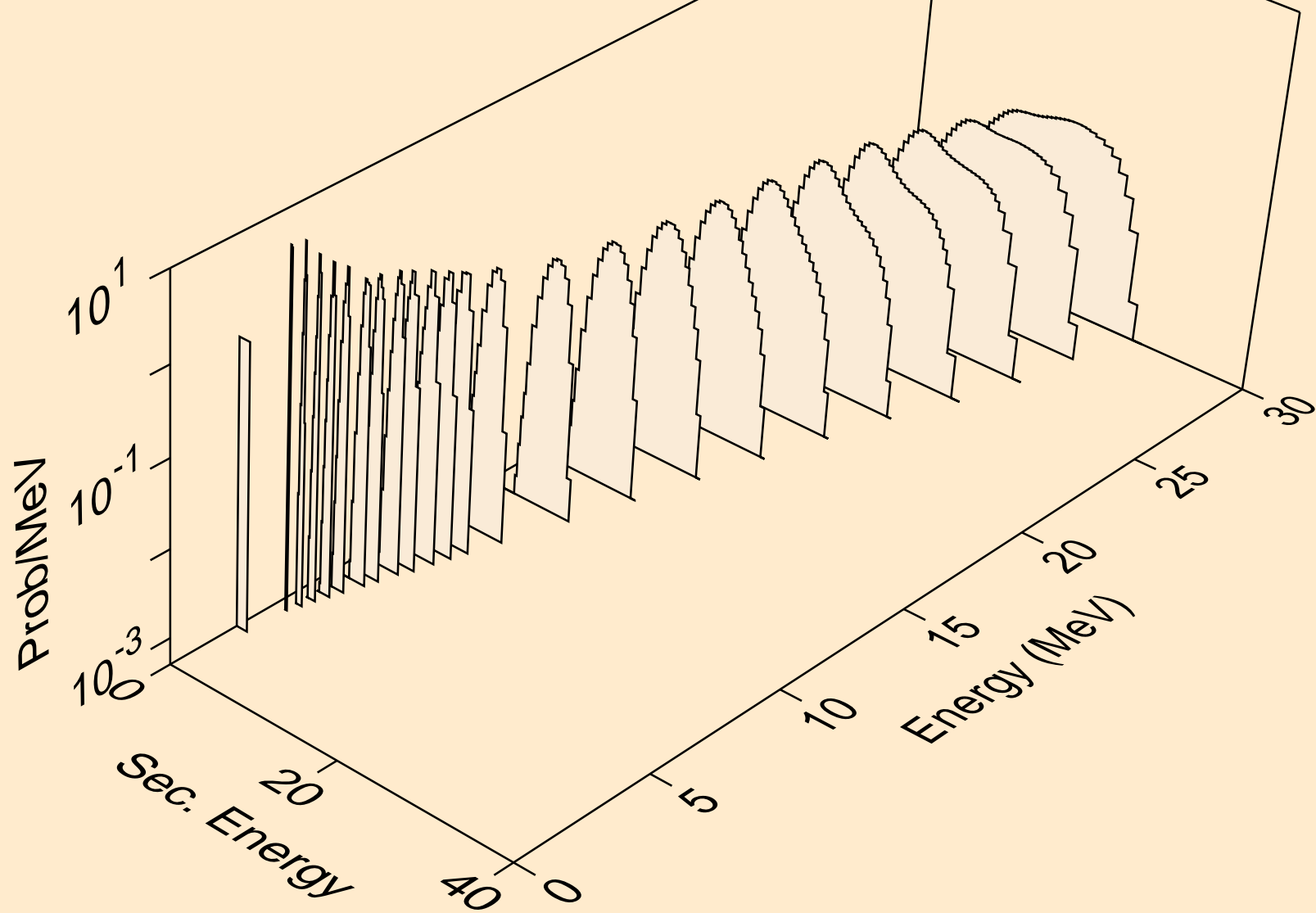
PO195 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Particle production cross sections



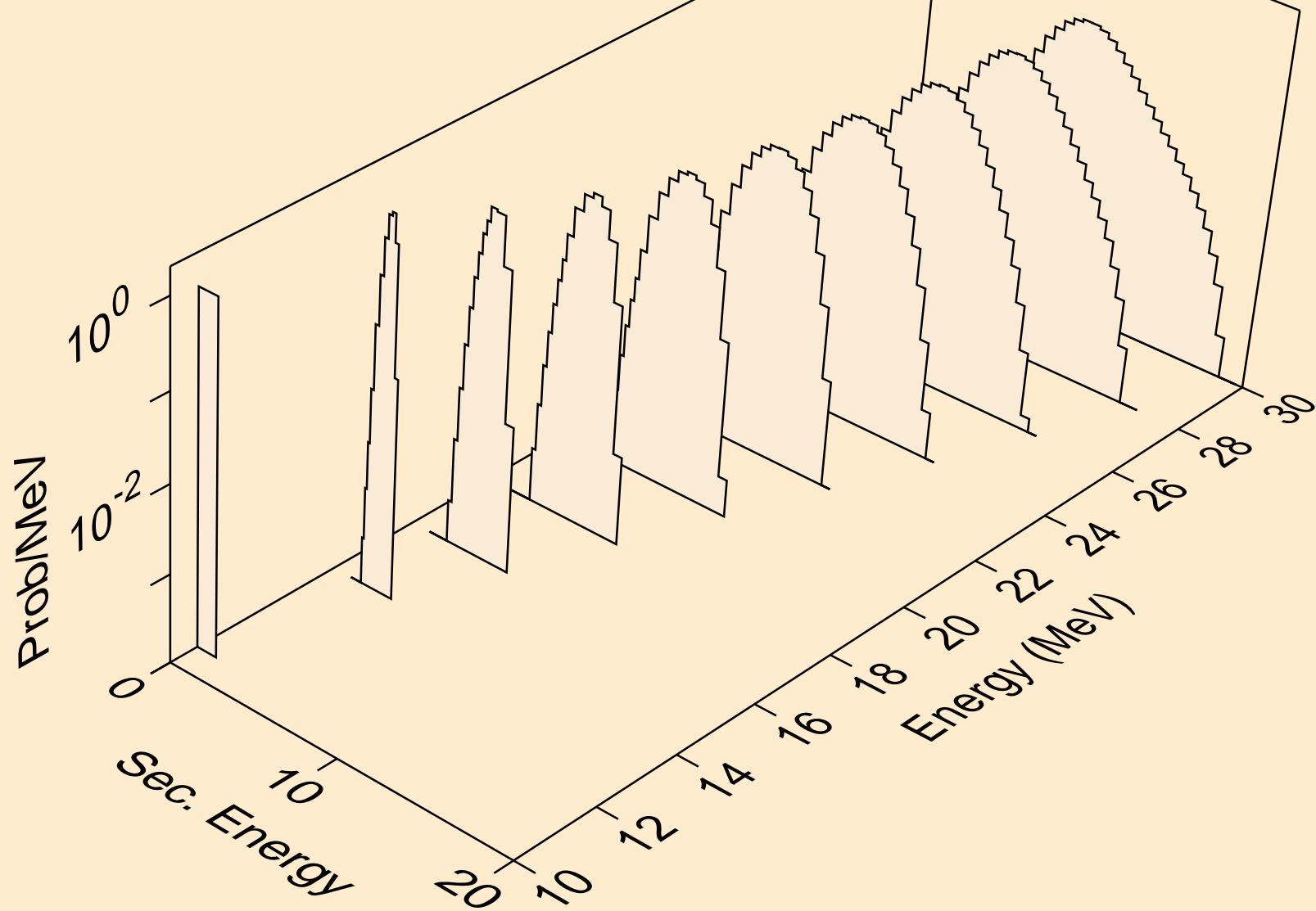
PO195 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,x)



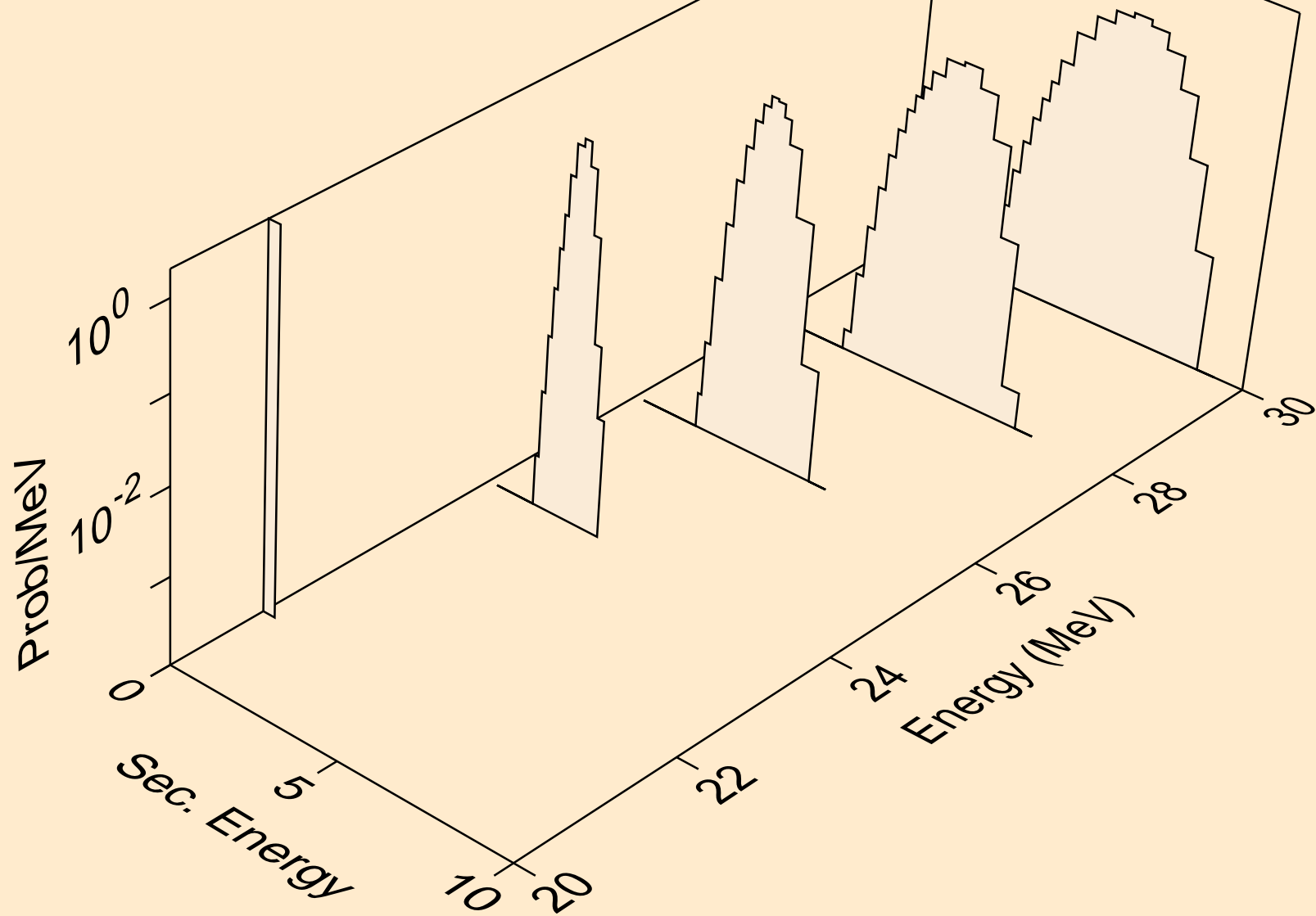
PO195 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n\*)p



PO195 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,2np)

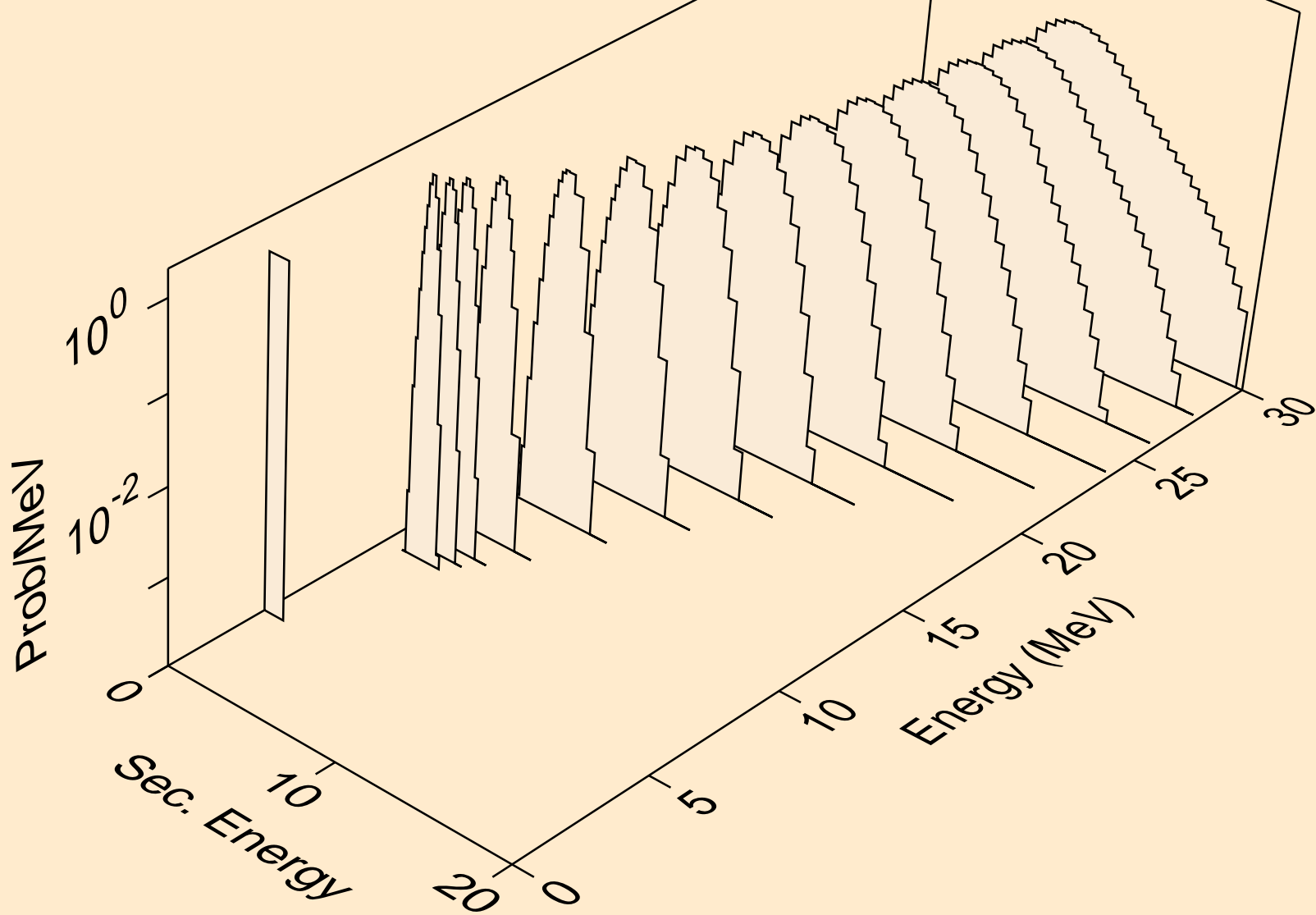


PO195 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,3np)

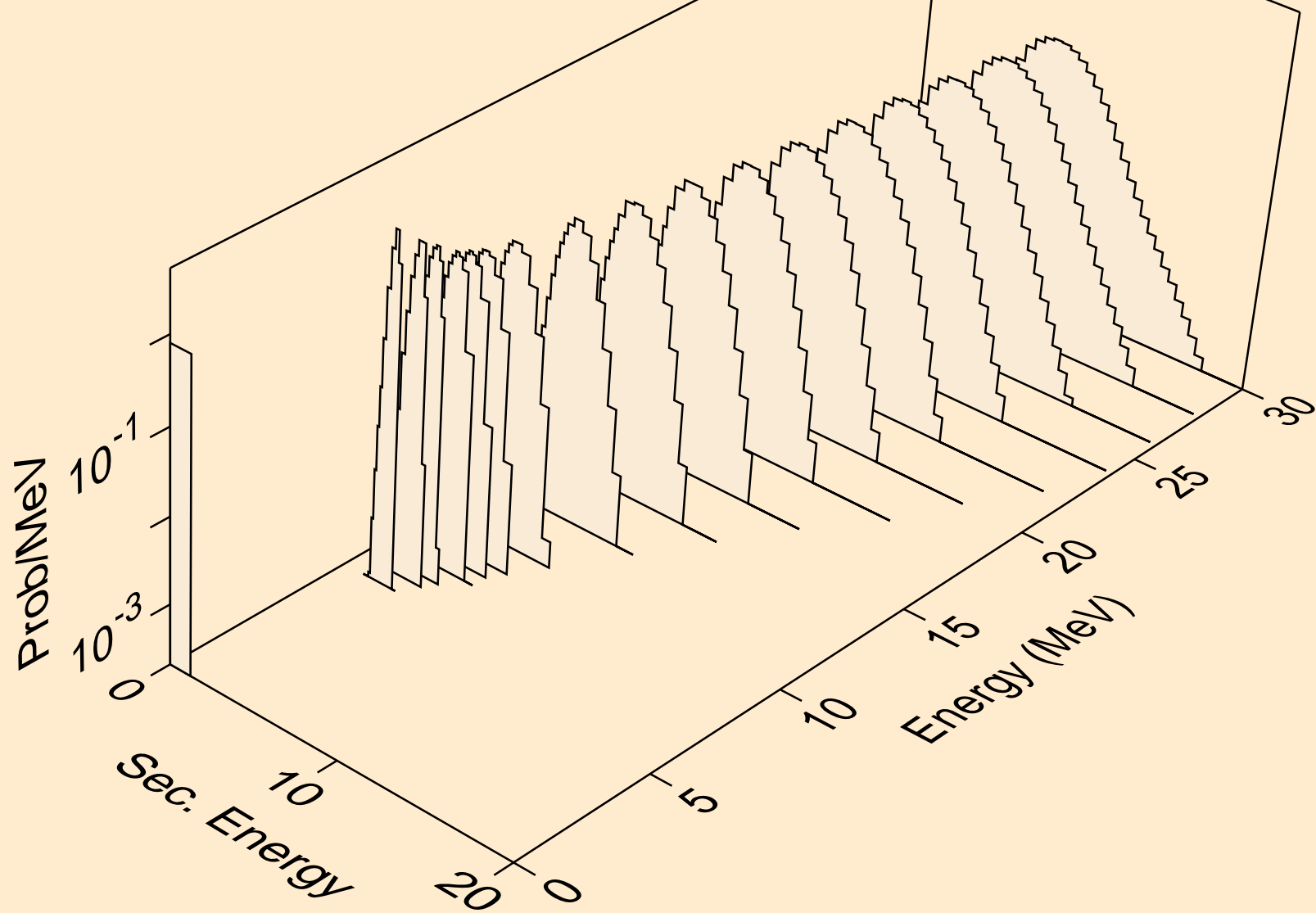




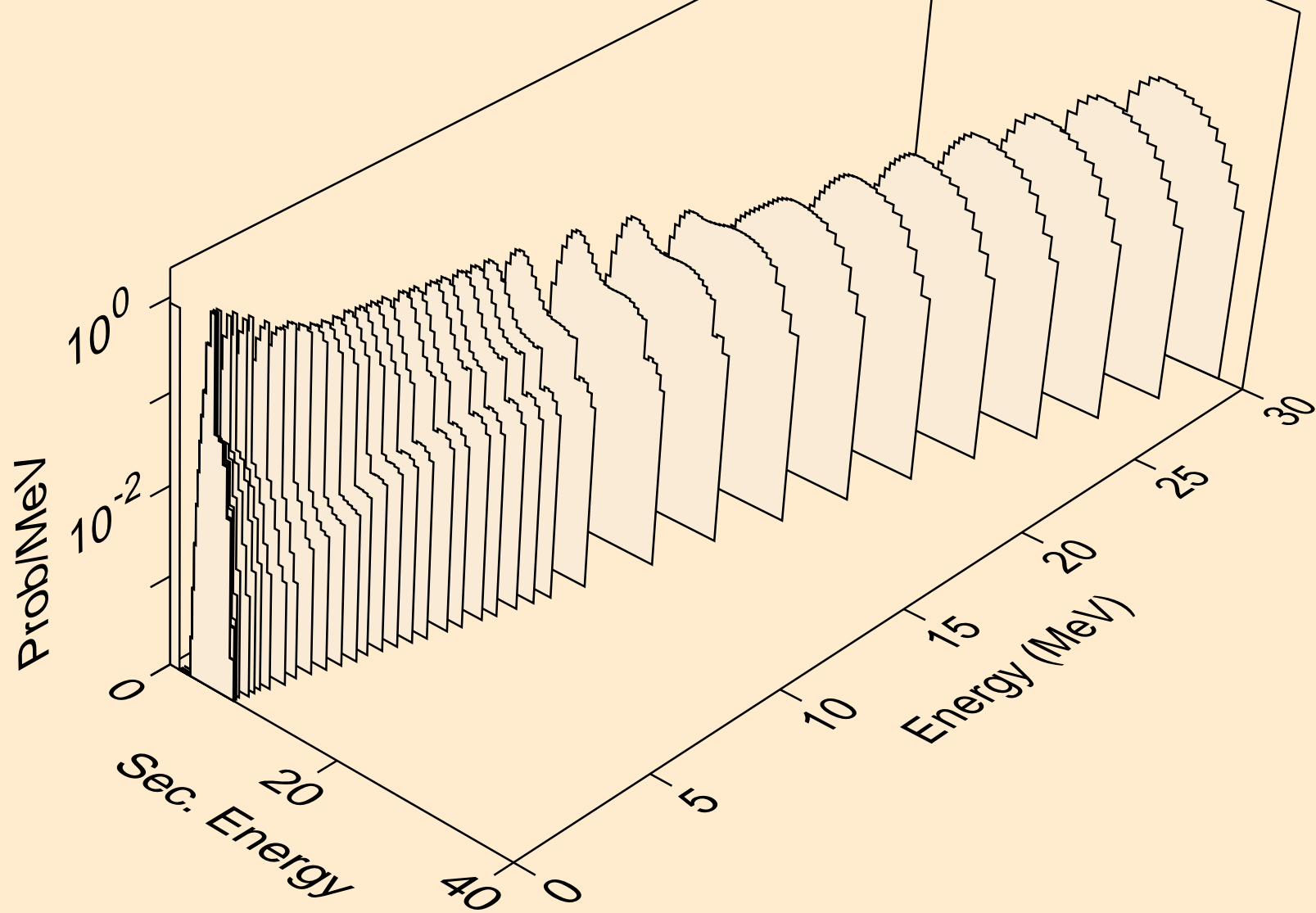
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protons from (n,n2p)



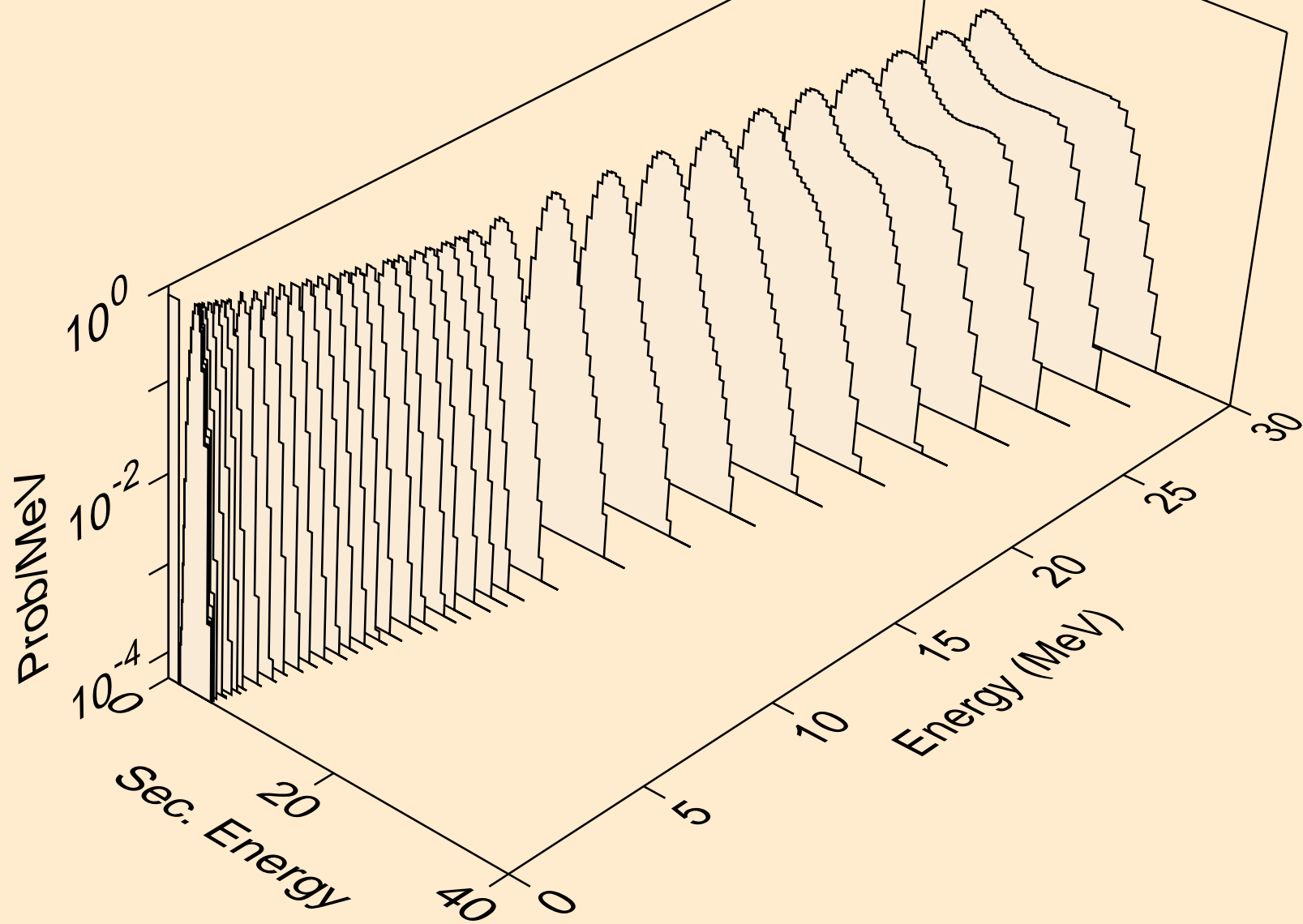
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protons from (n,npa)



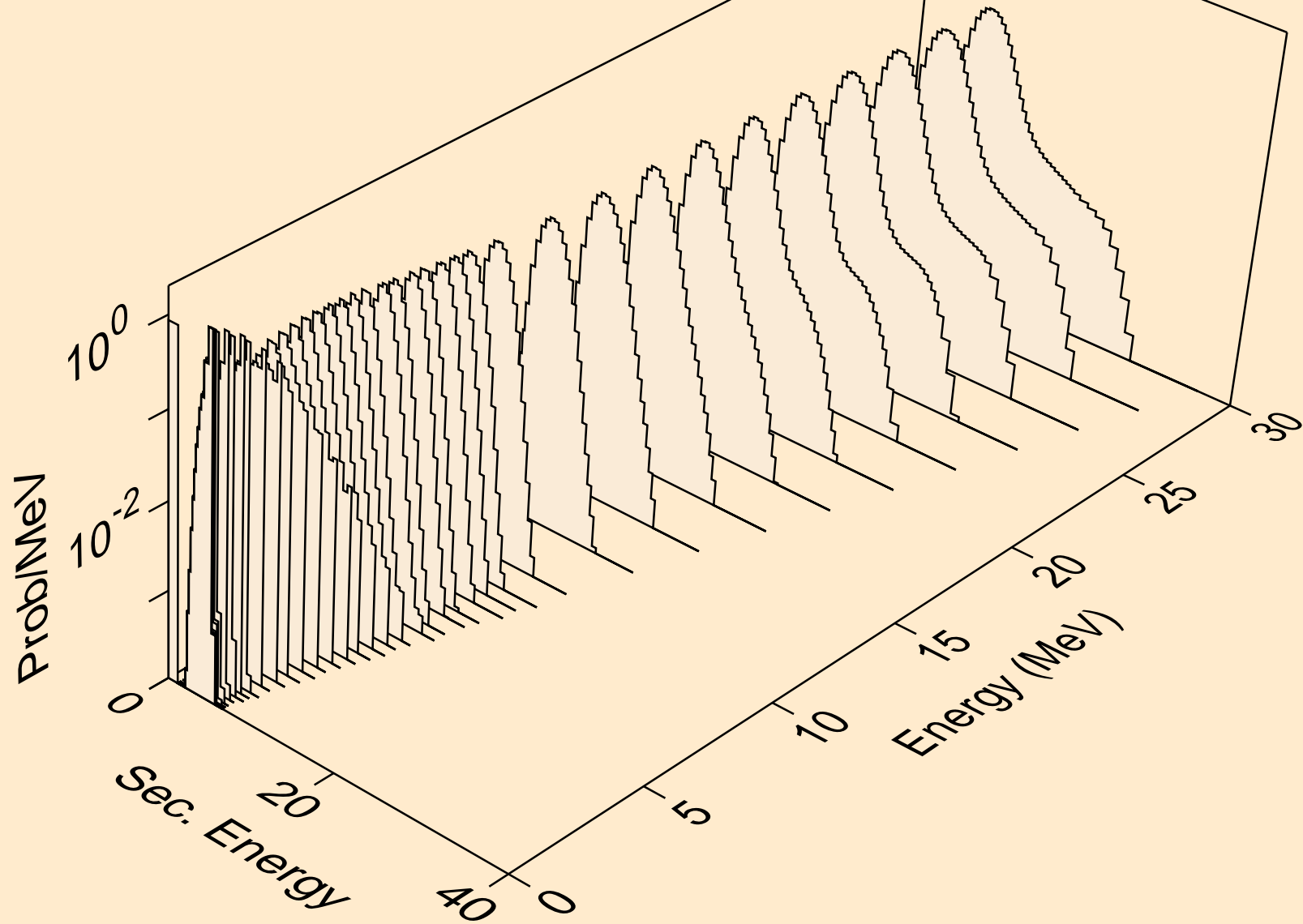
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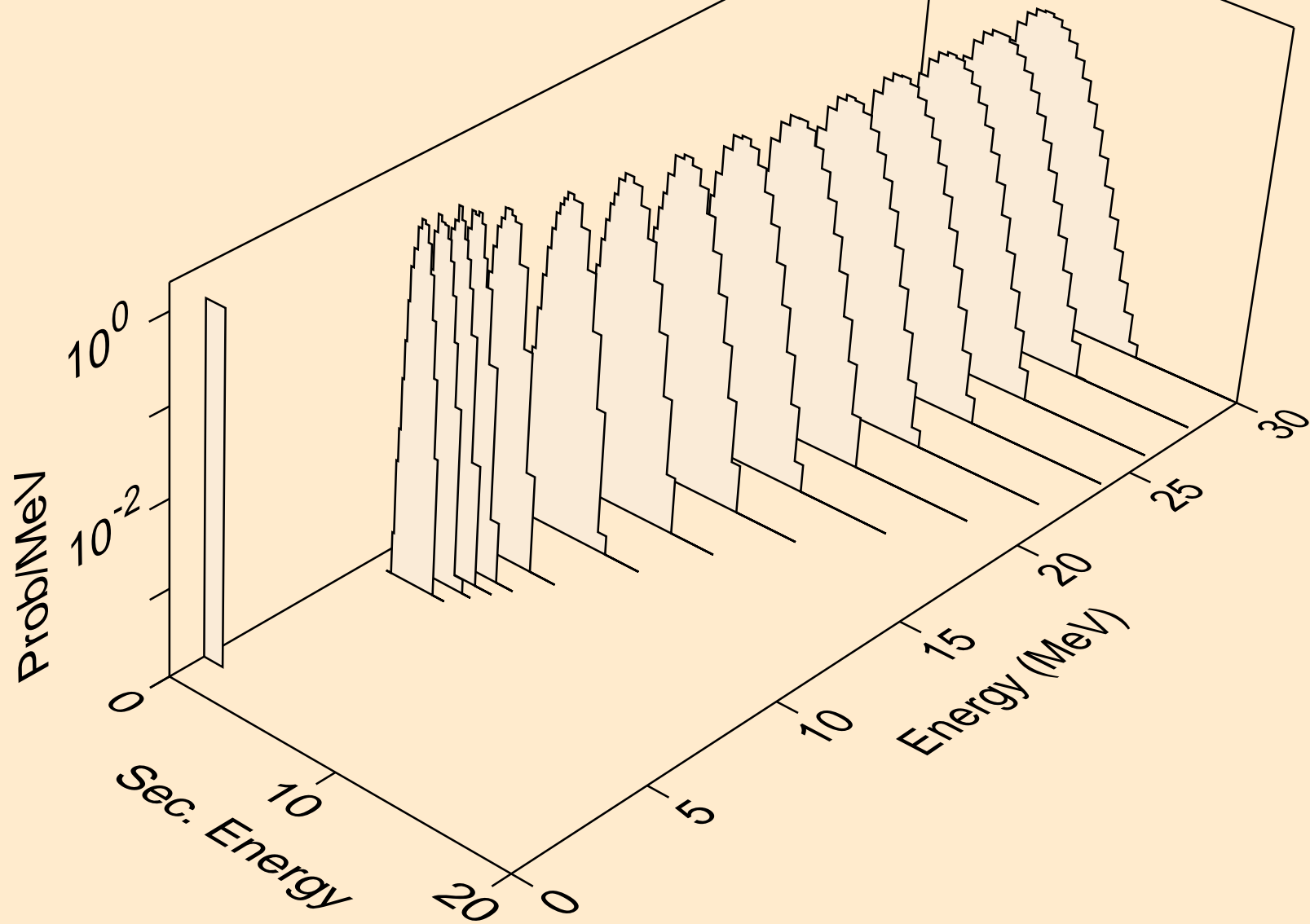
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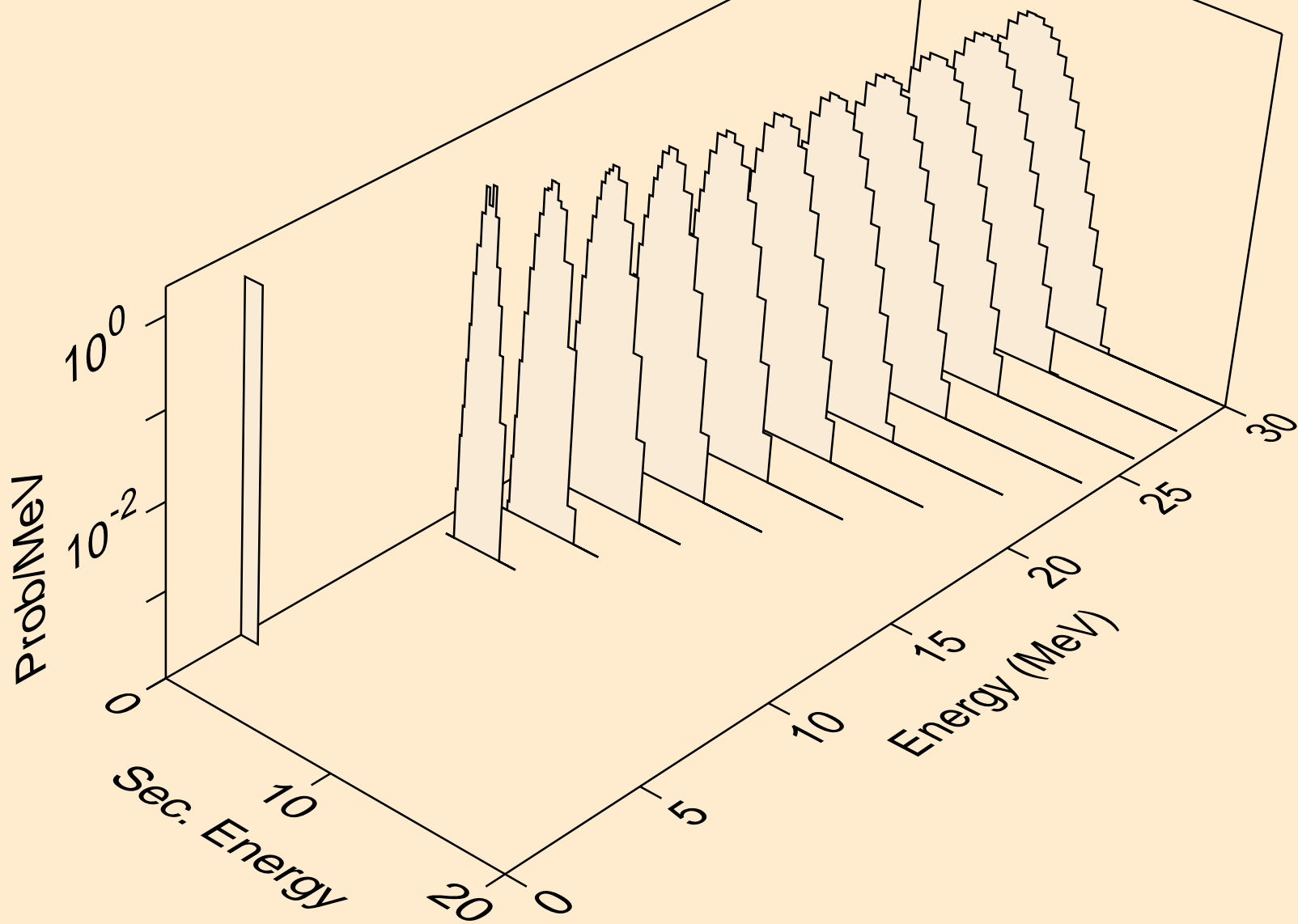
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protons from (n,p)



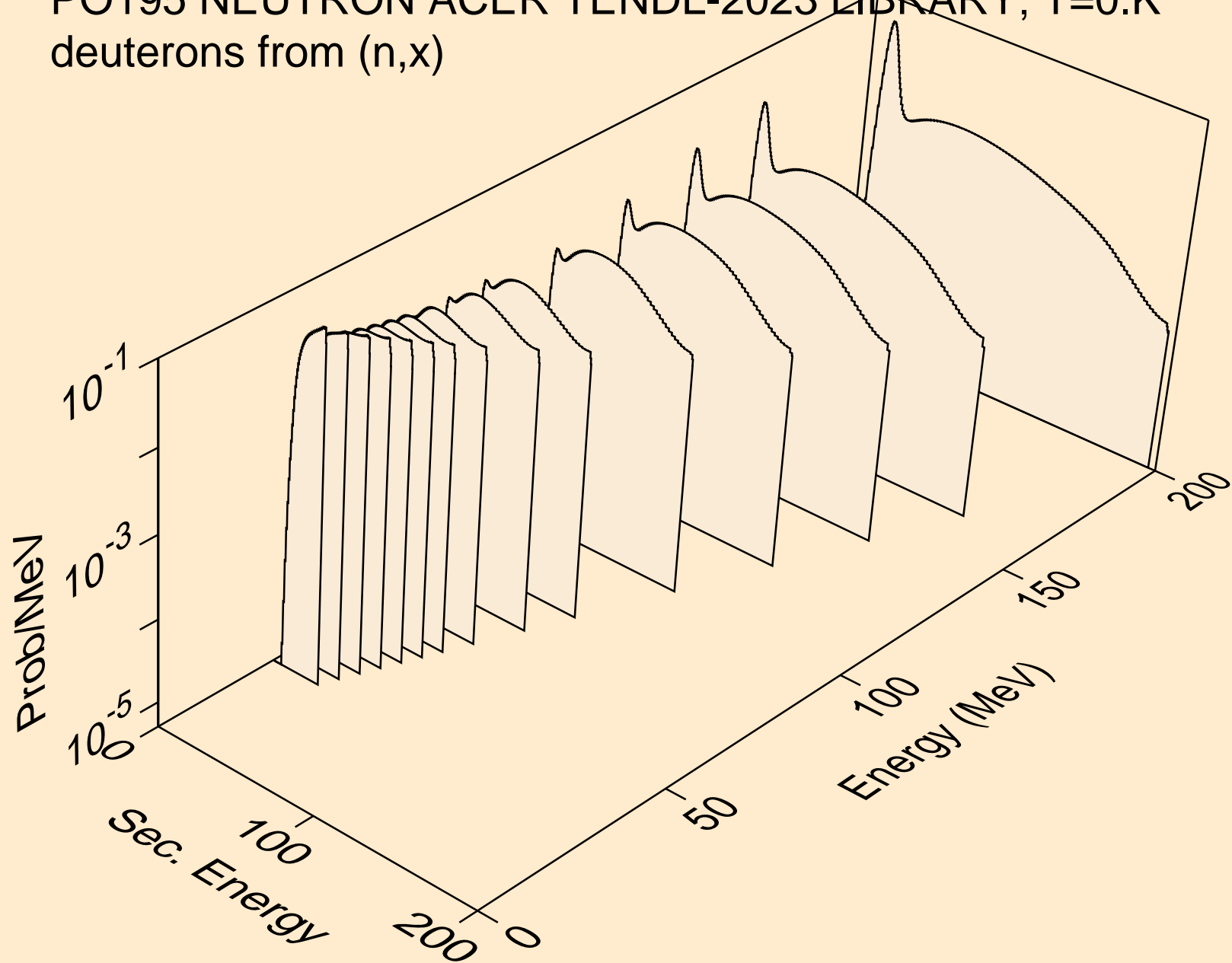
PO195 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,pd)



PO195 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,pt)

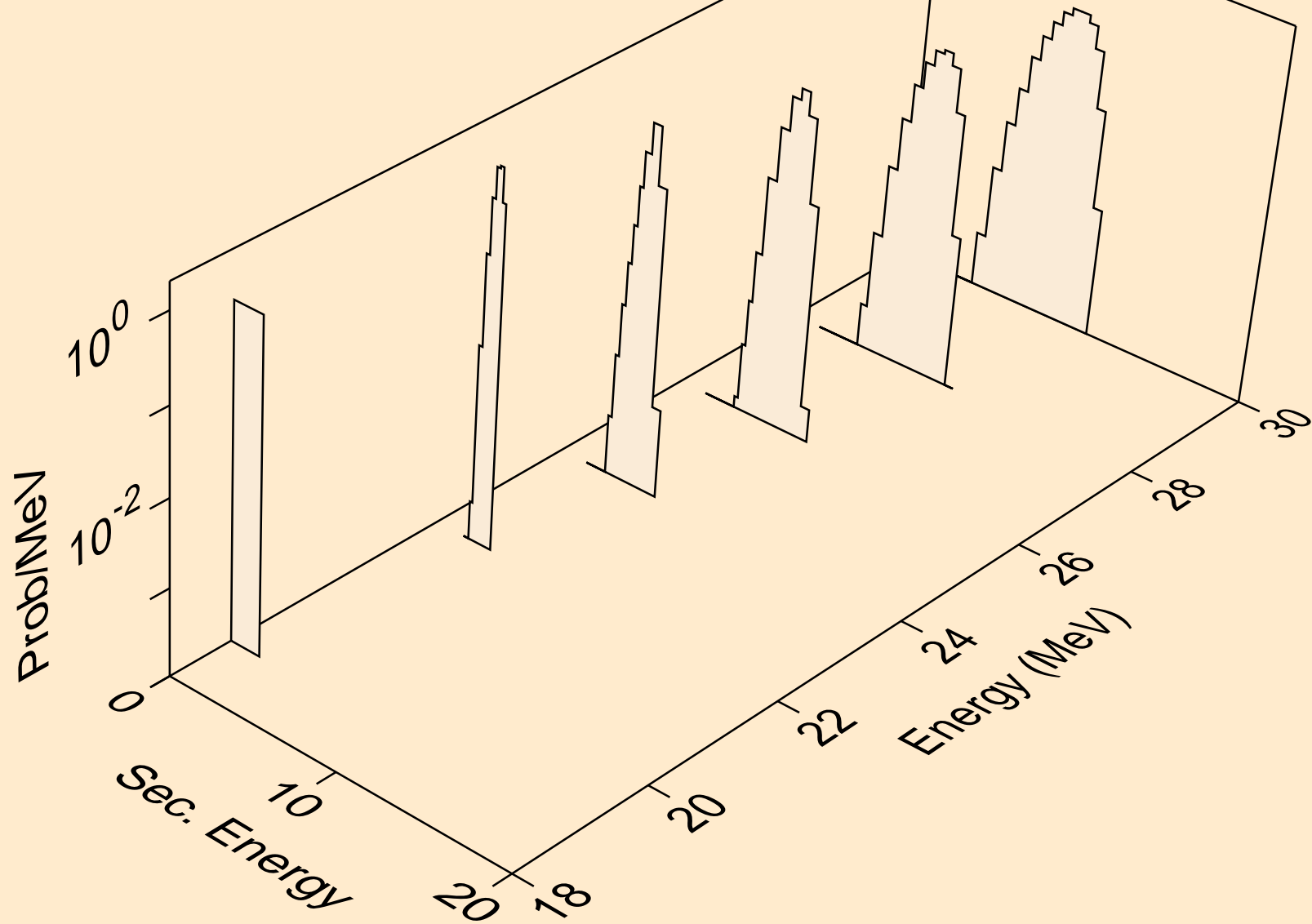


PO195 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,x)

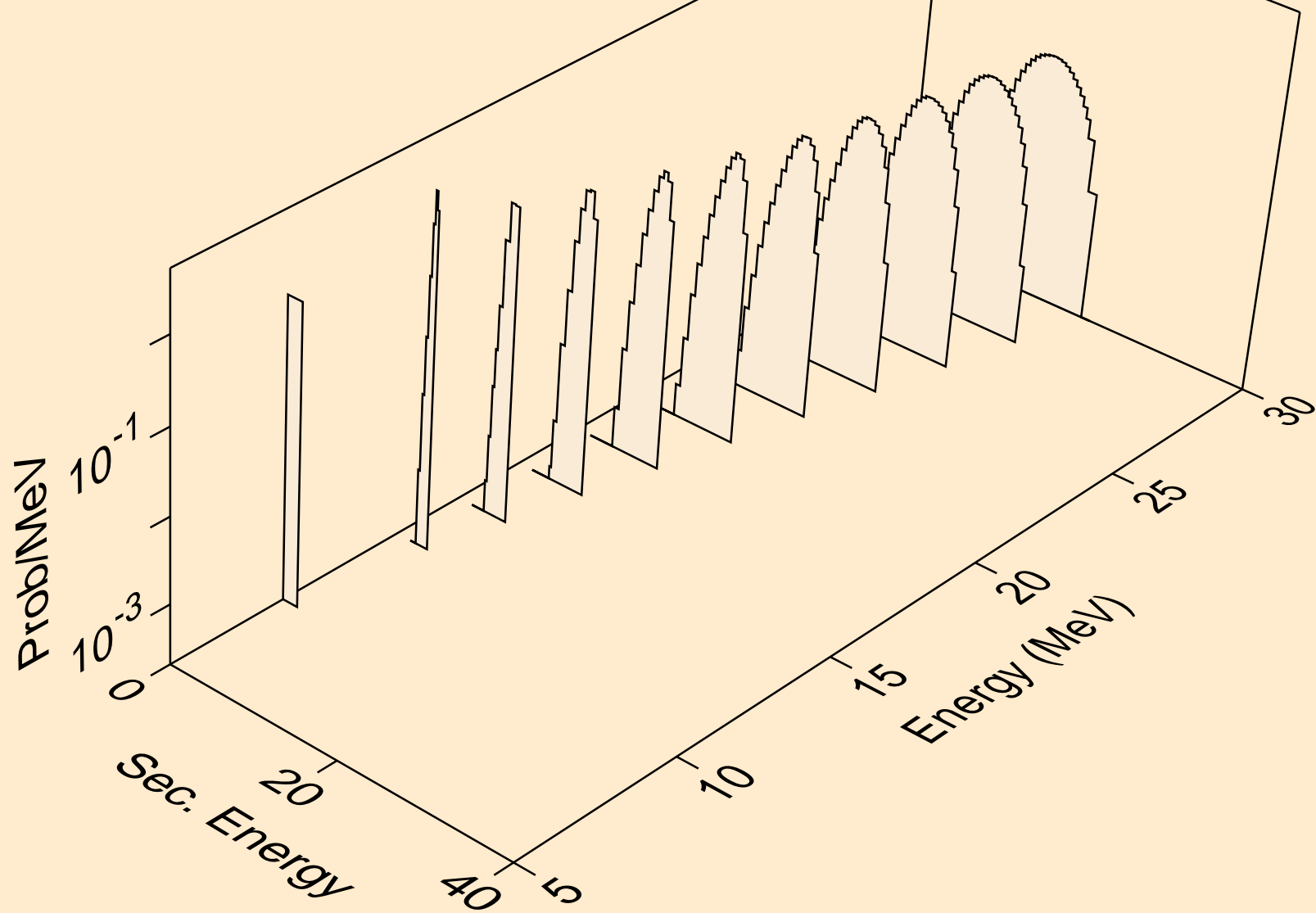




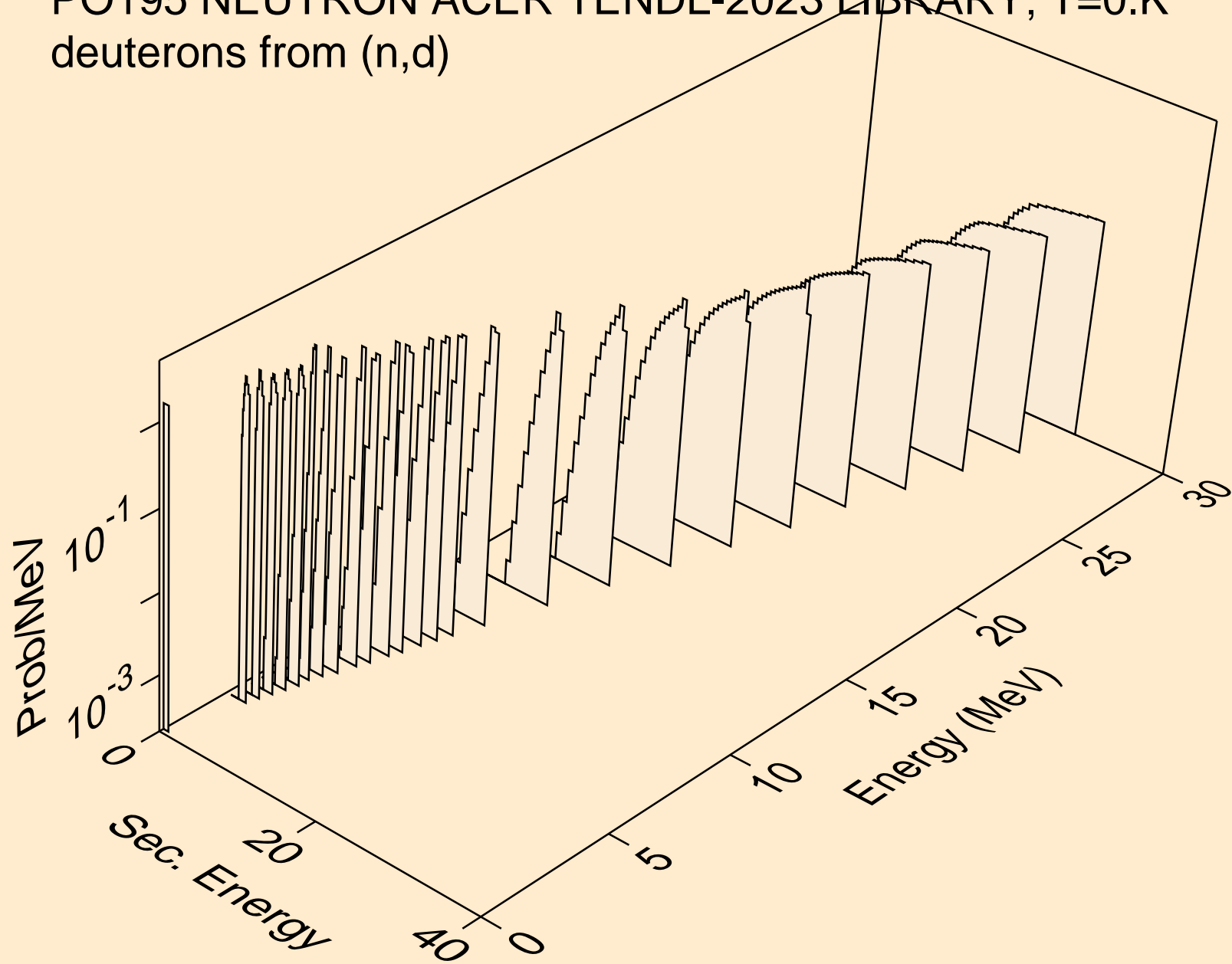
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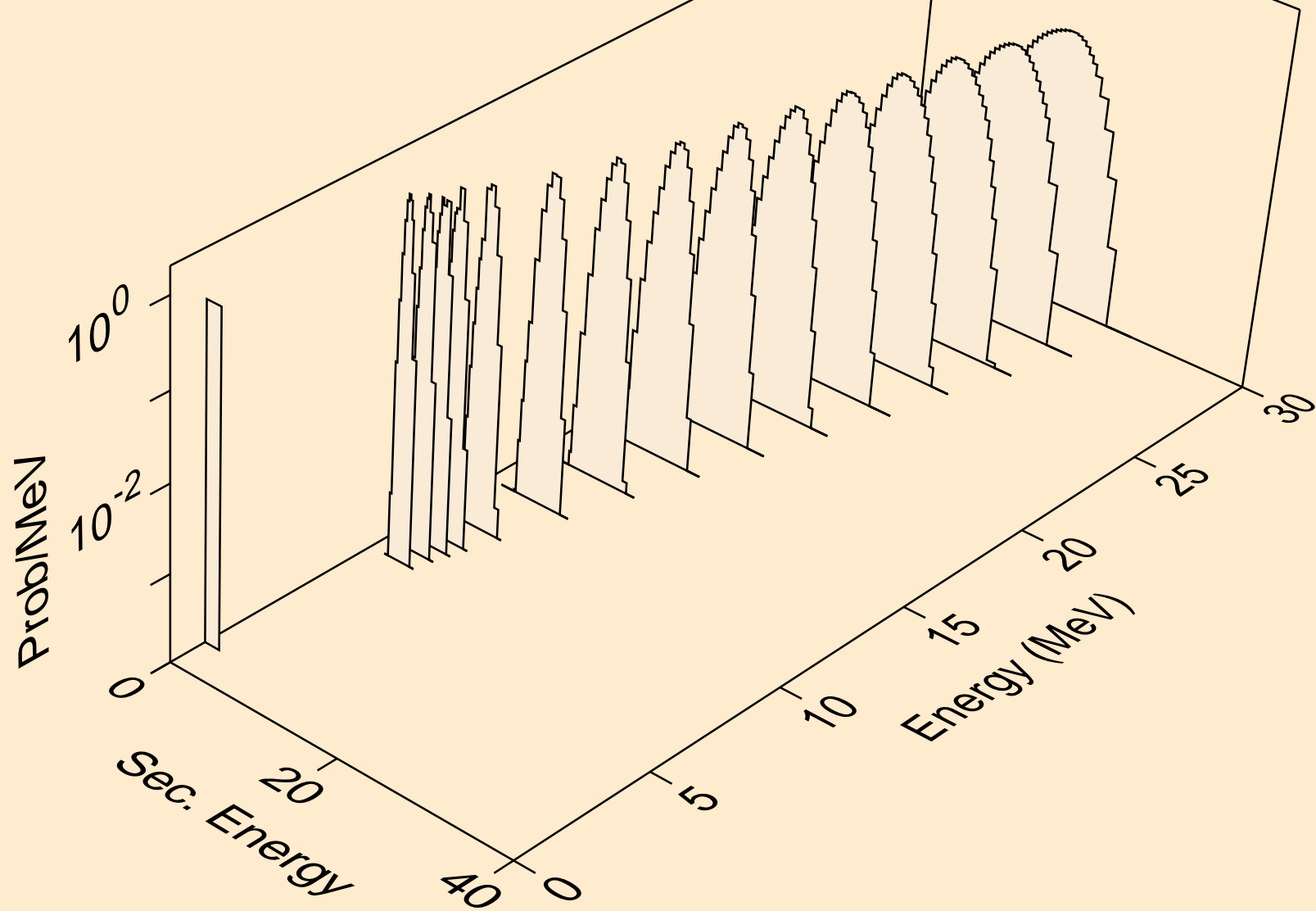
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deuterons from (n,n\*)d



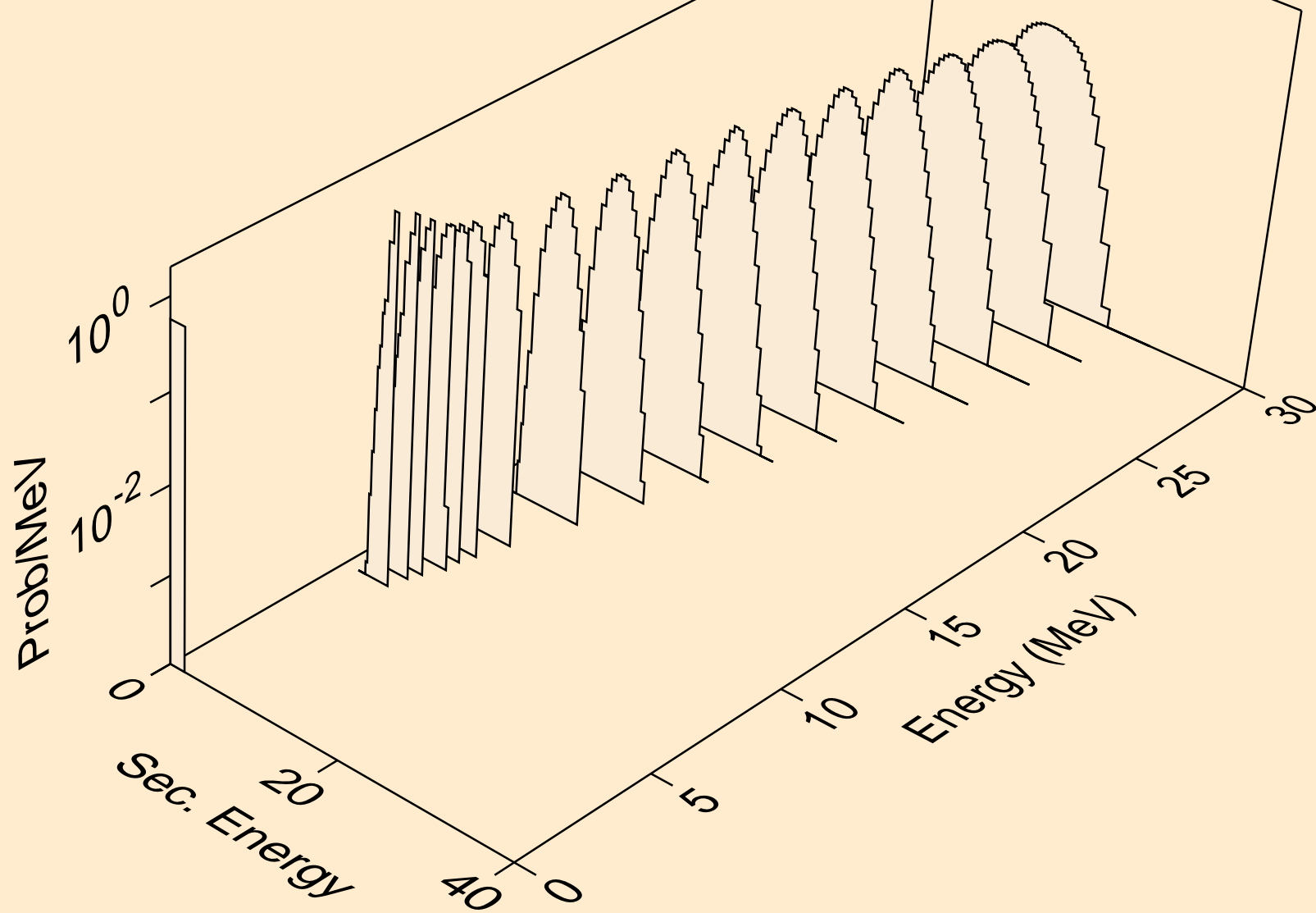
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deuterons from (n,d)



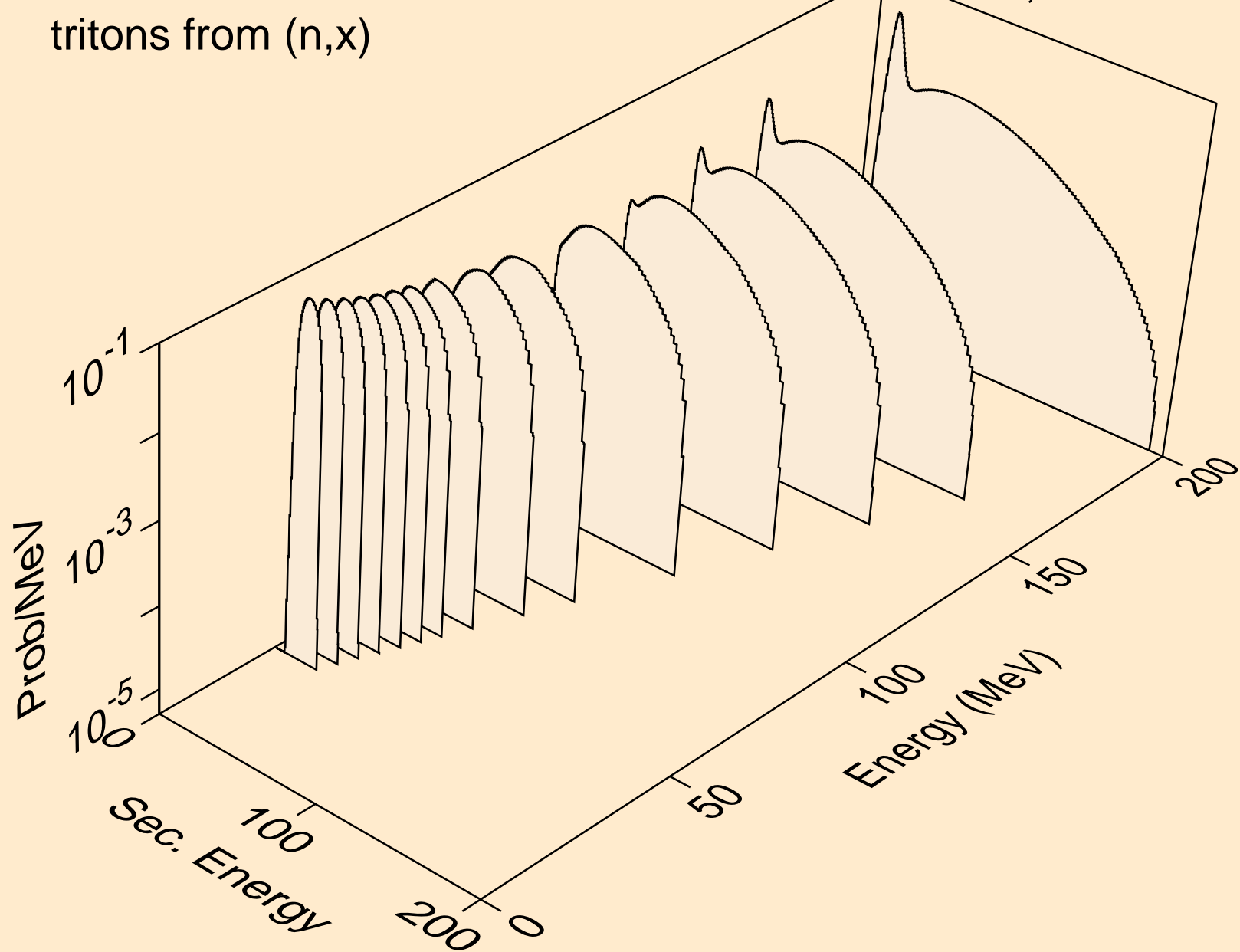
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deuterons from (n,pd)



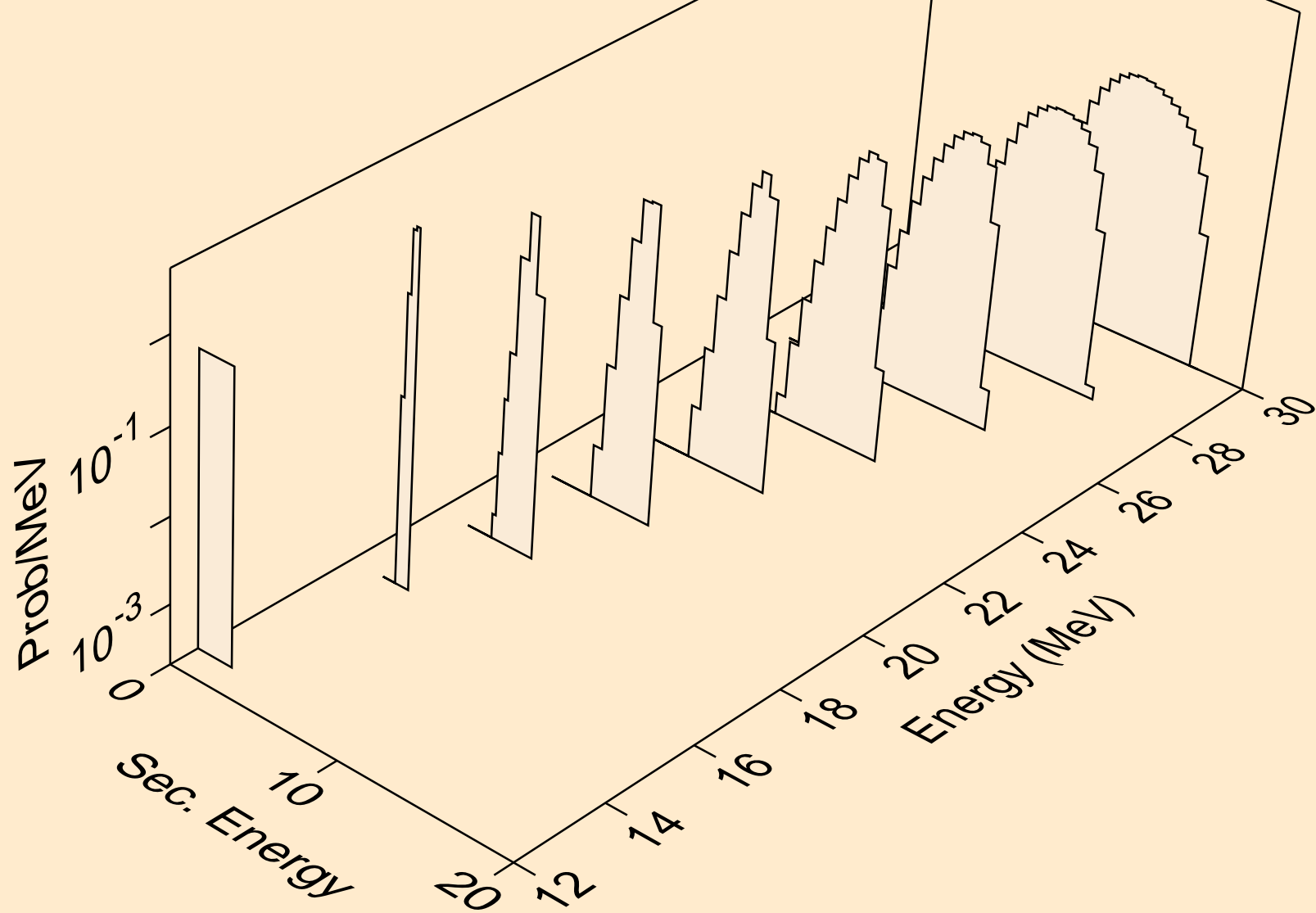
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deuterons from (n,da)



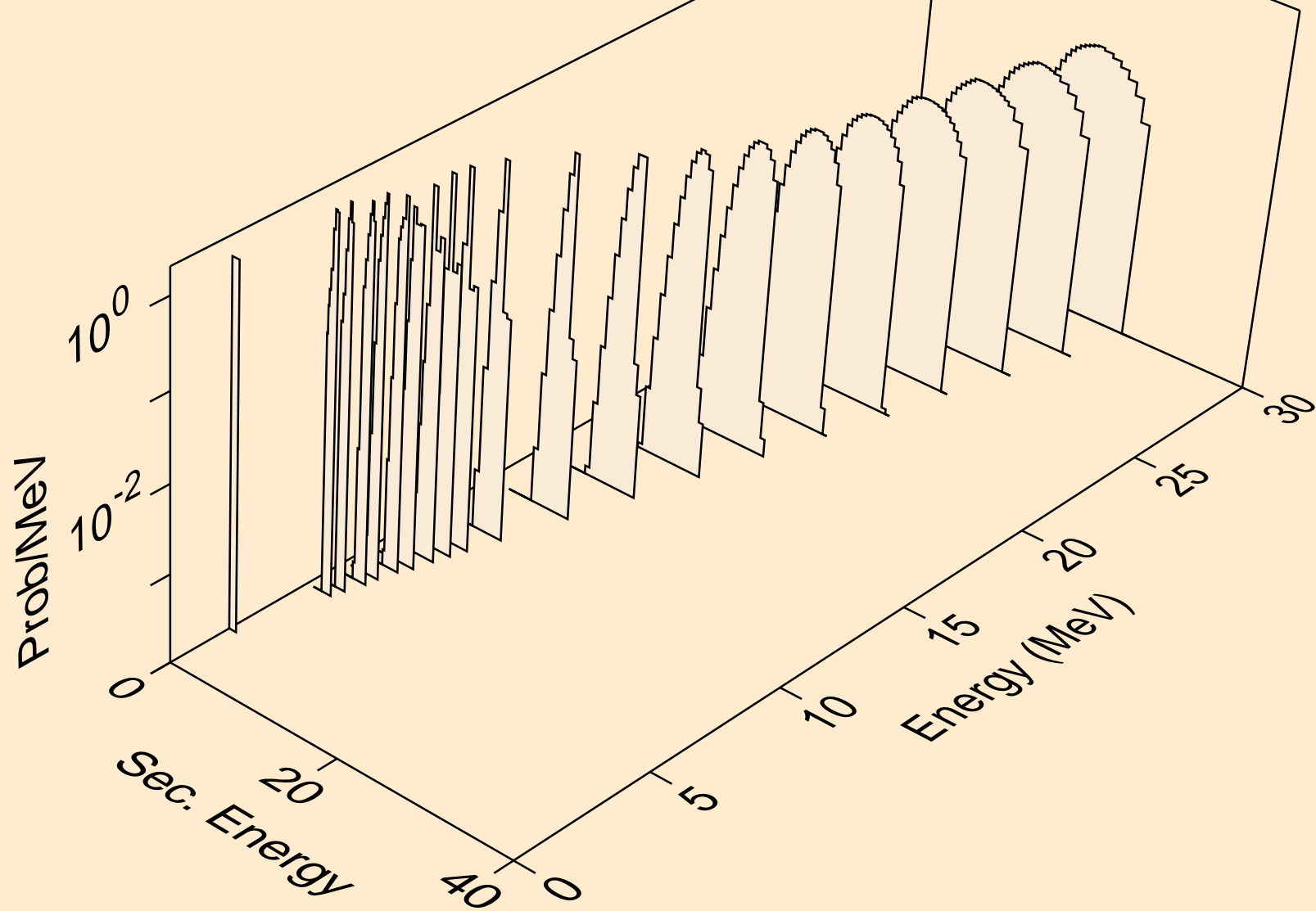
PO195 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,x)



PO195 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,n\*)t

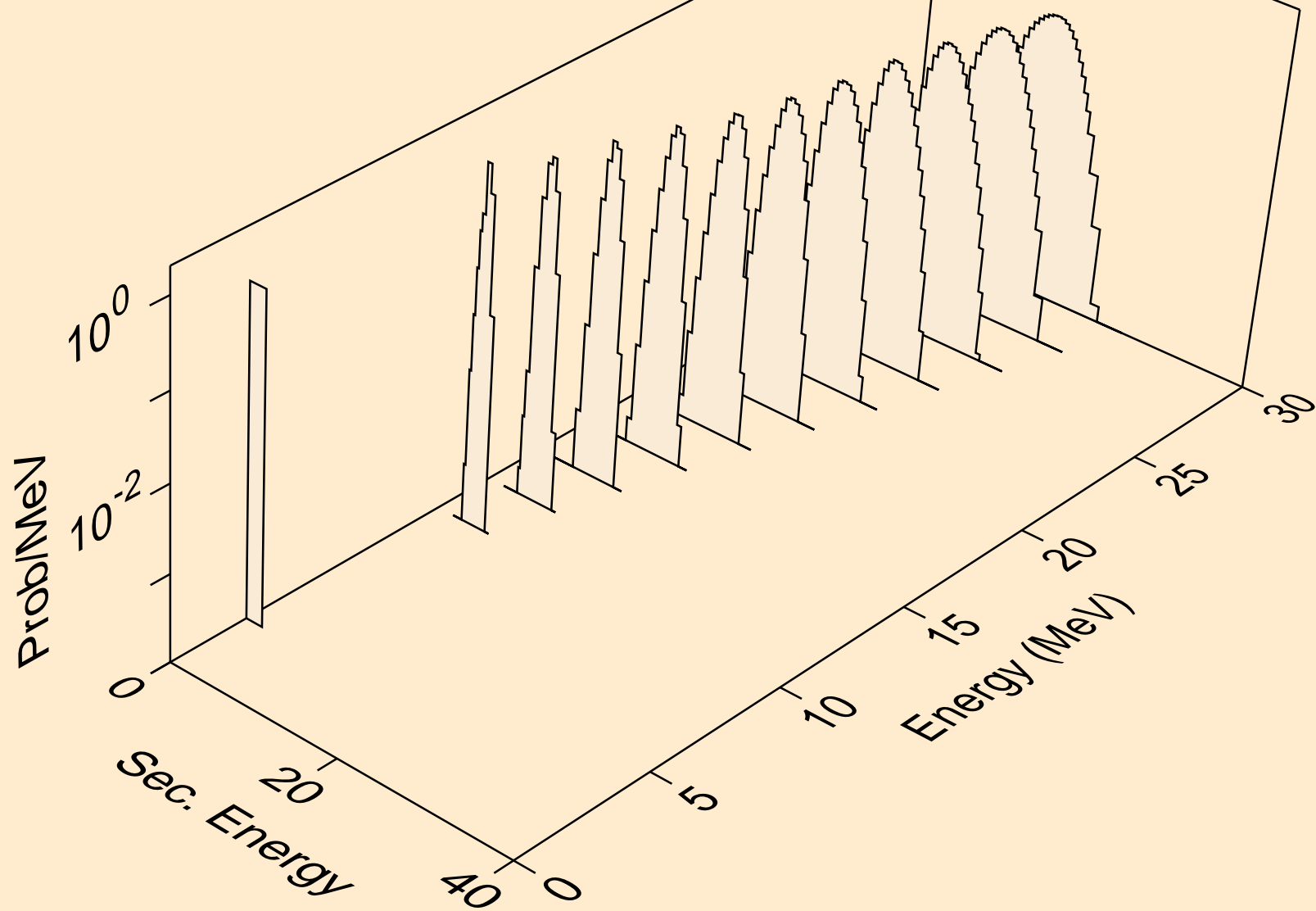


PO195 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,t)

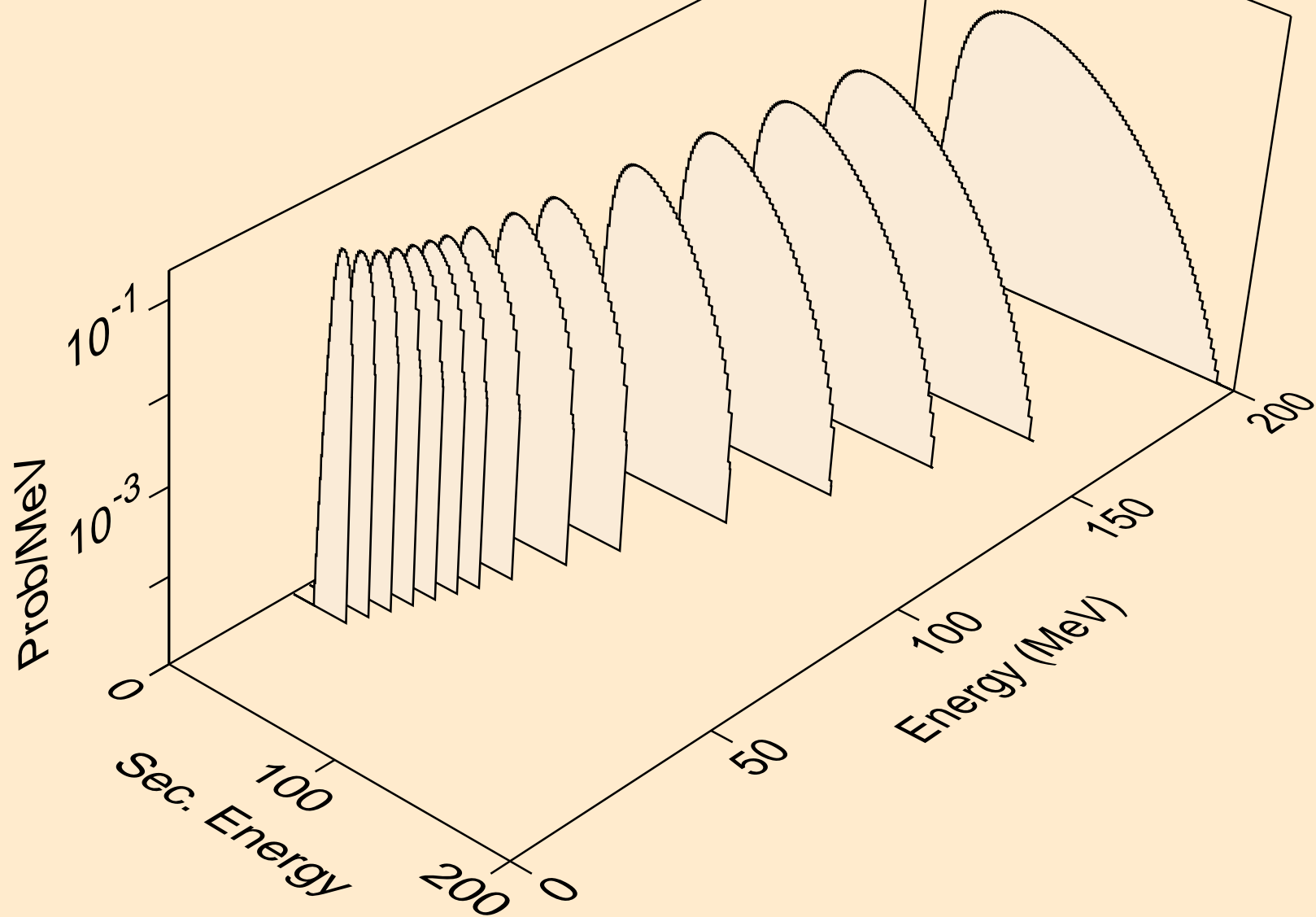




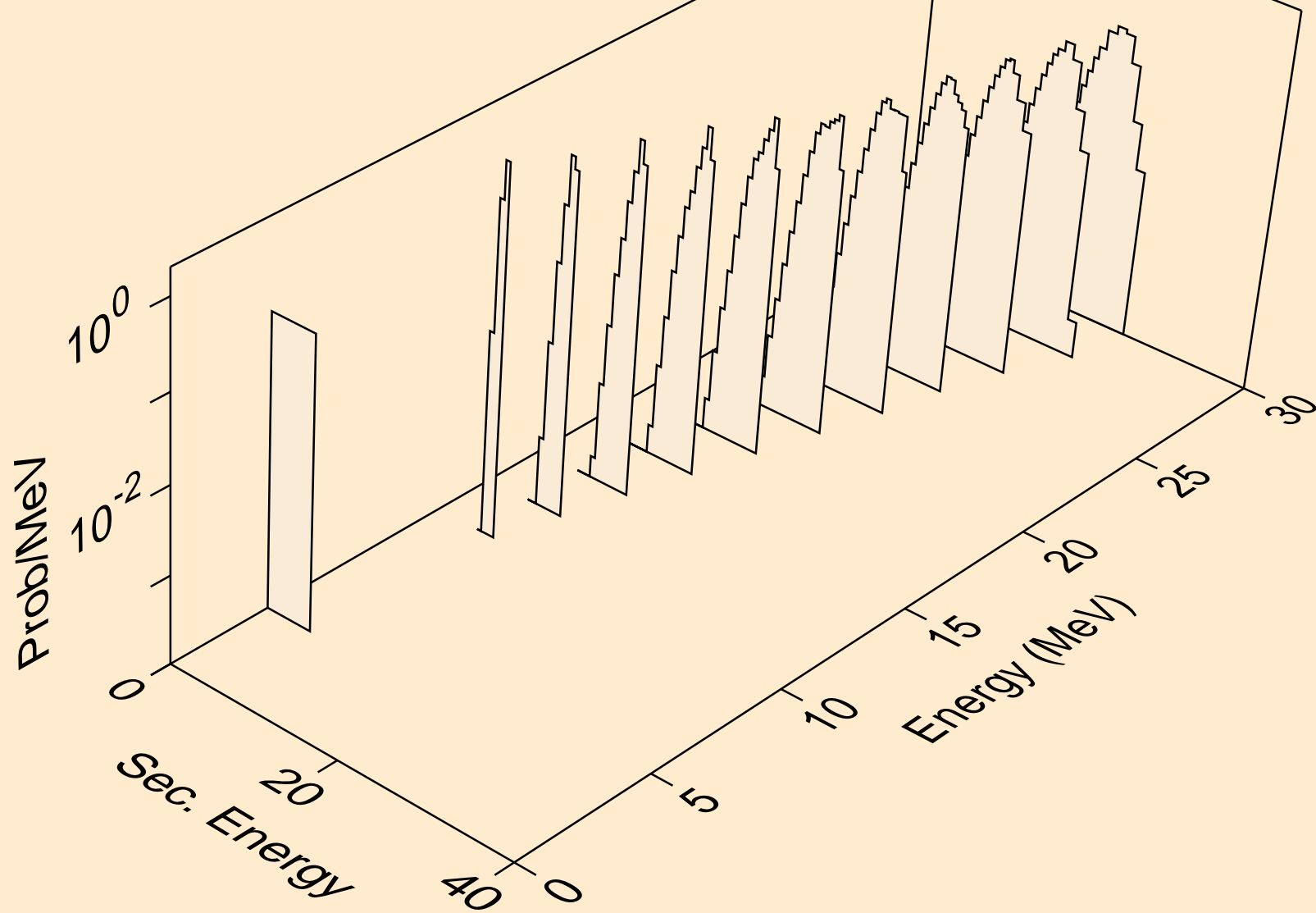
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tritons from (n,pt)



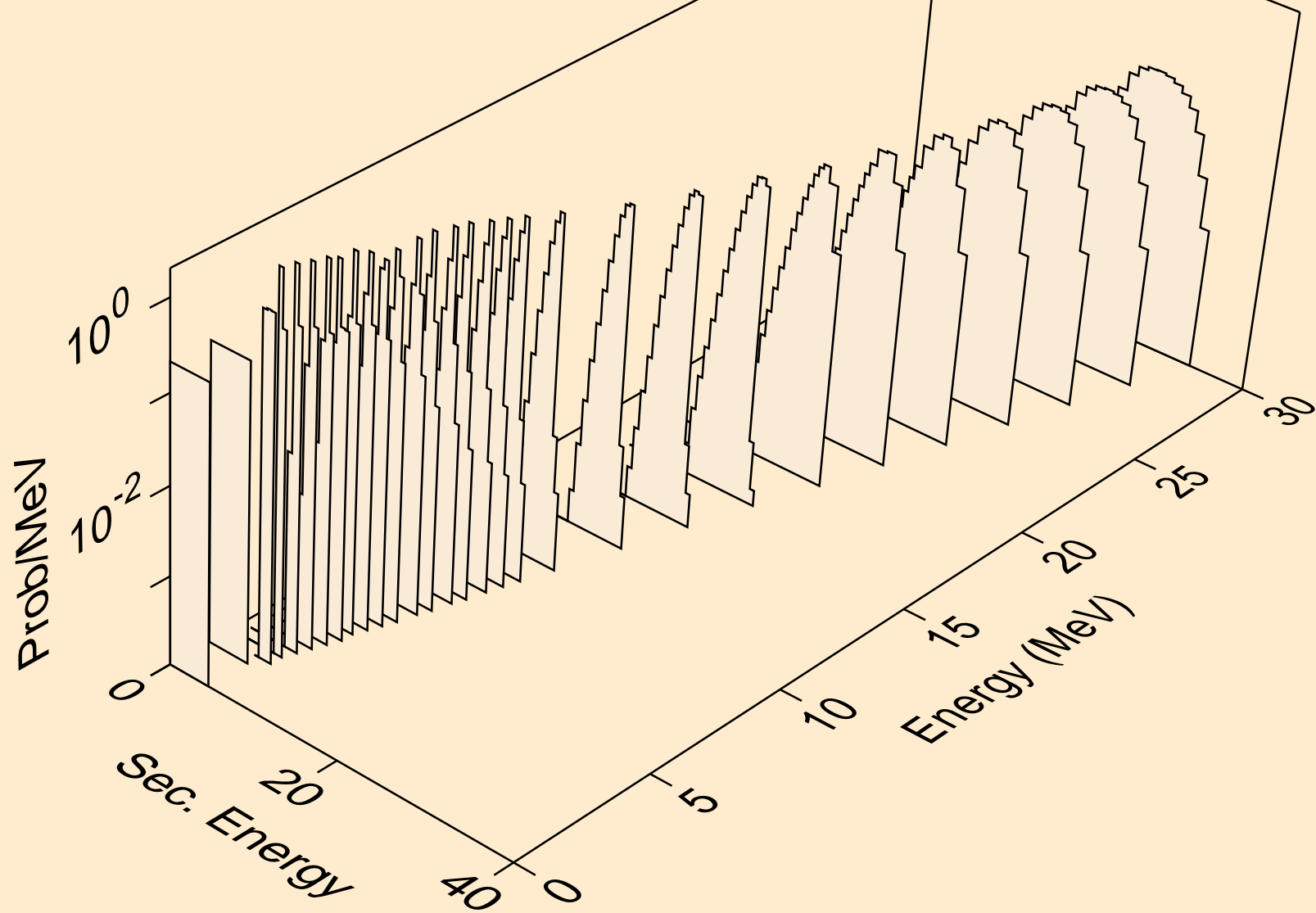
PO195 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,x)



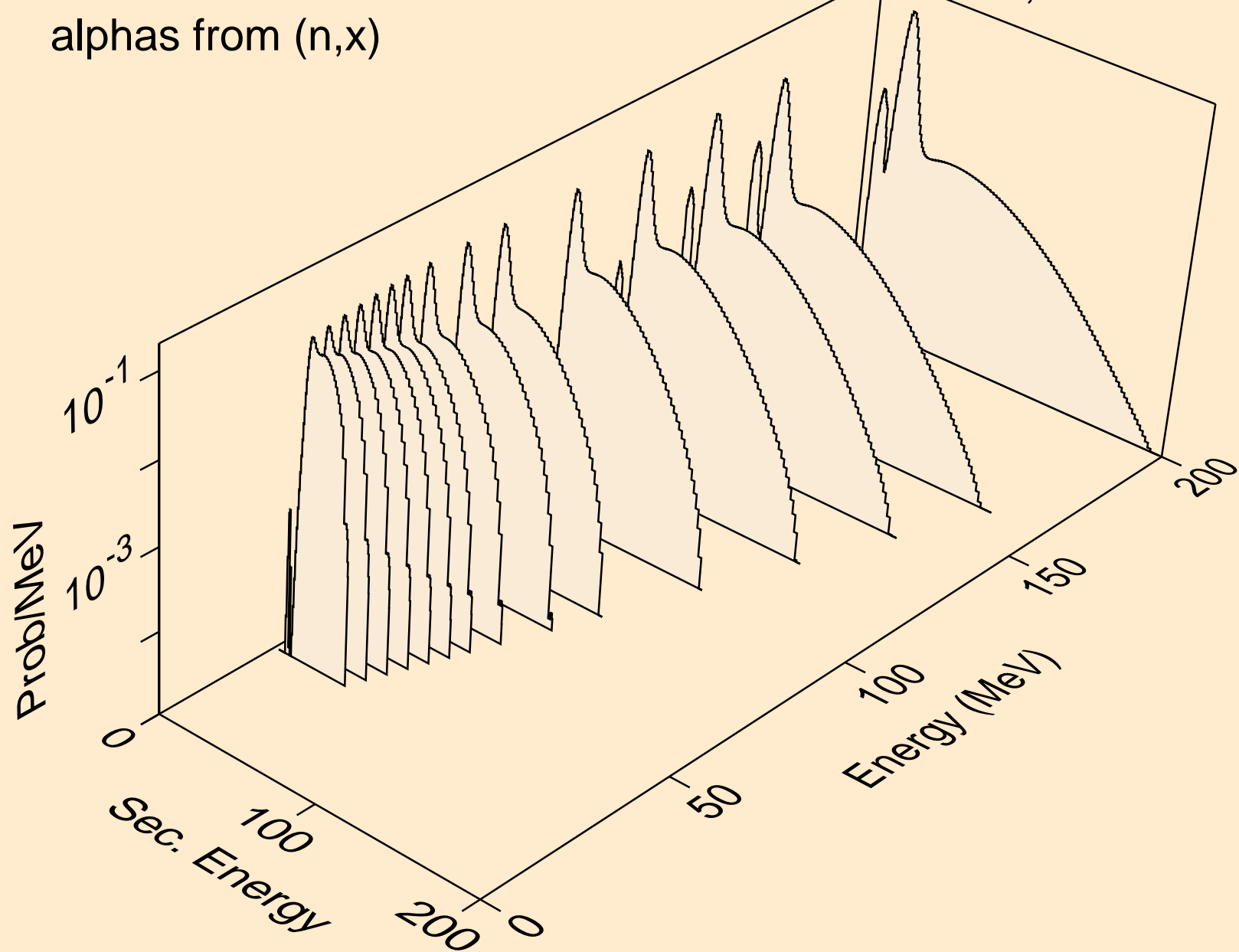
PO195 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,n\*)he3



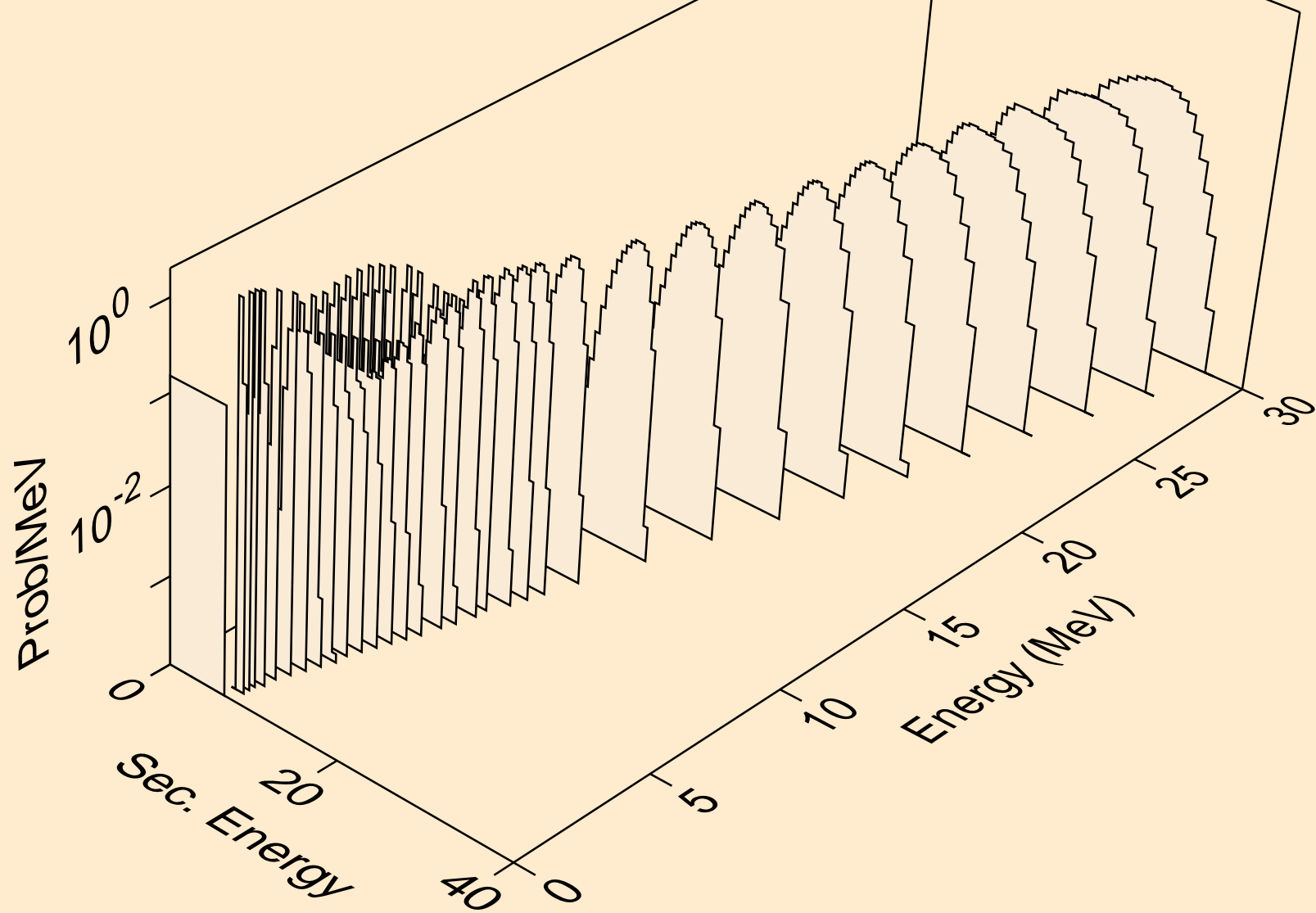
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he3s from (n,he3)



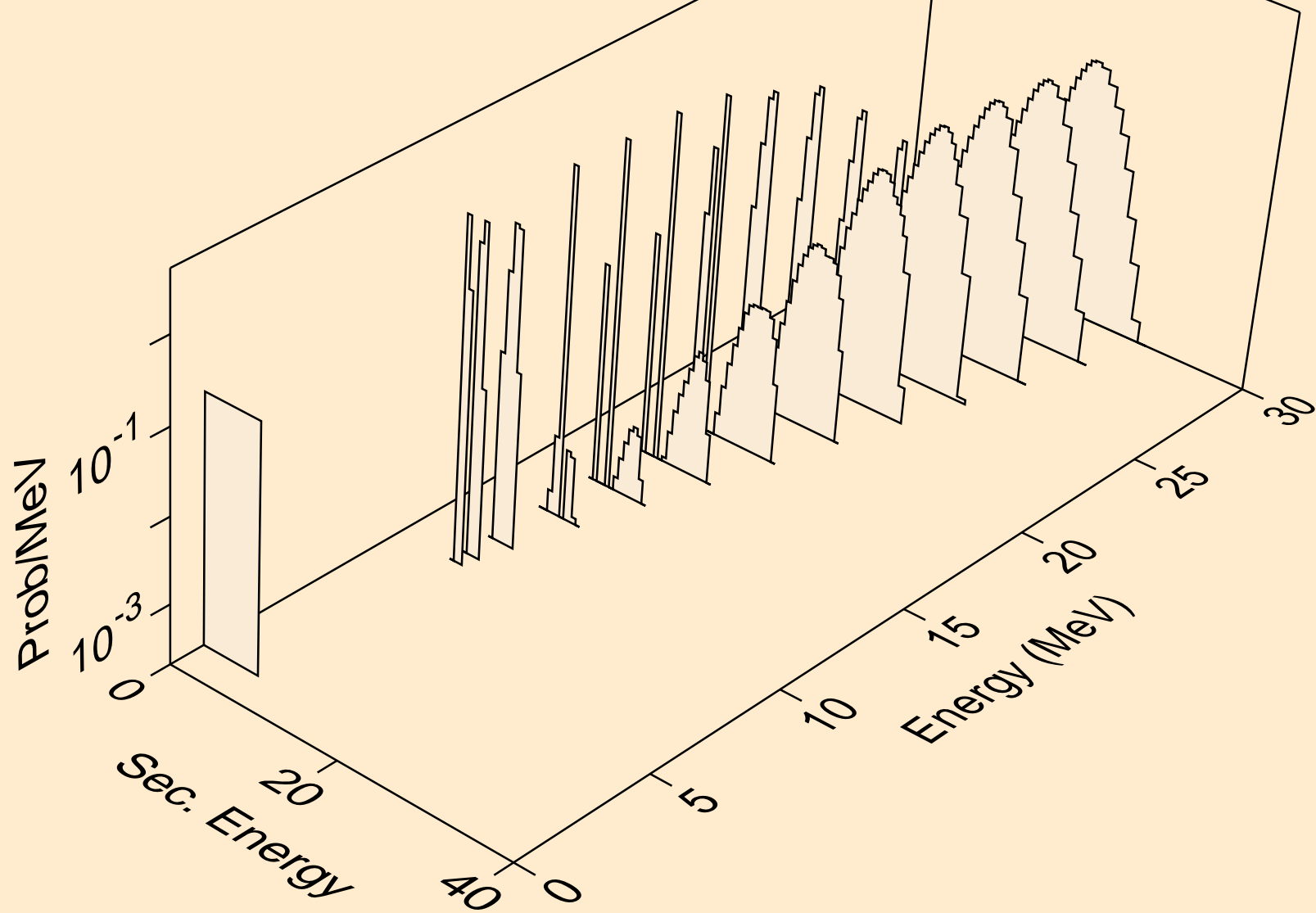
PO195 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,x)



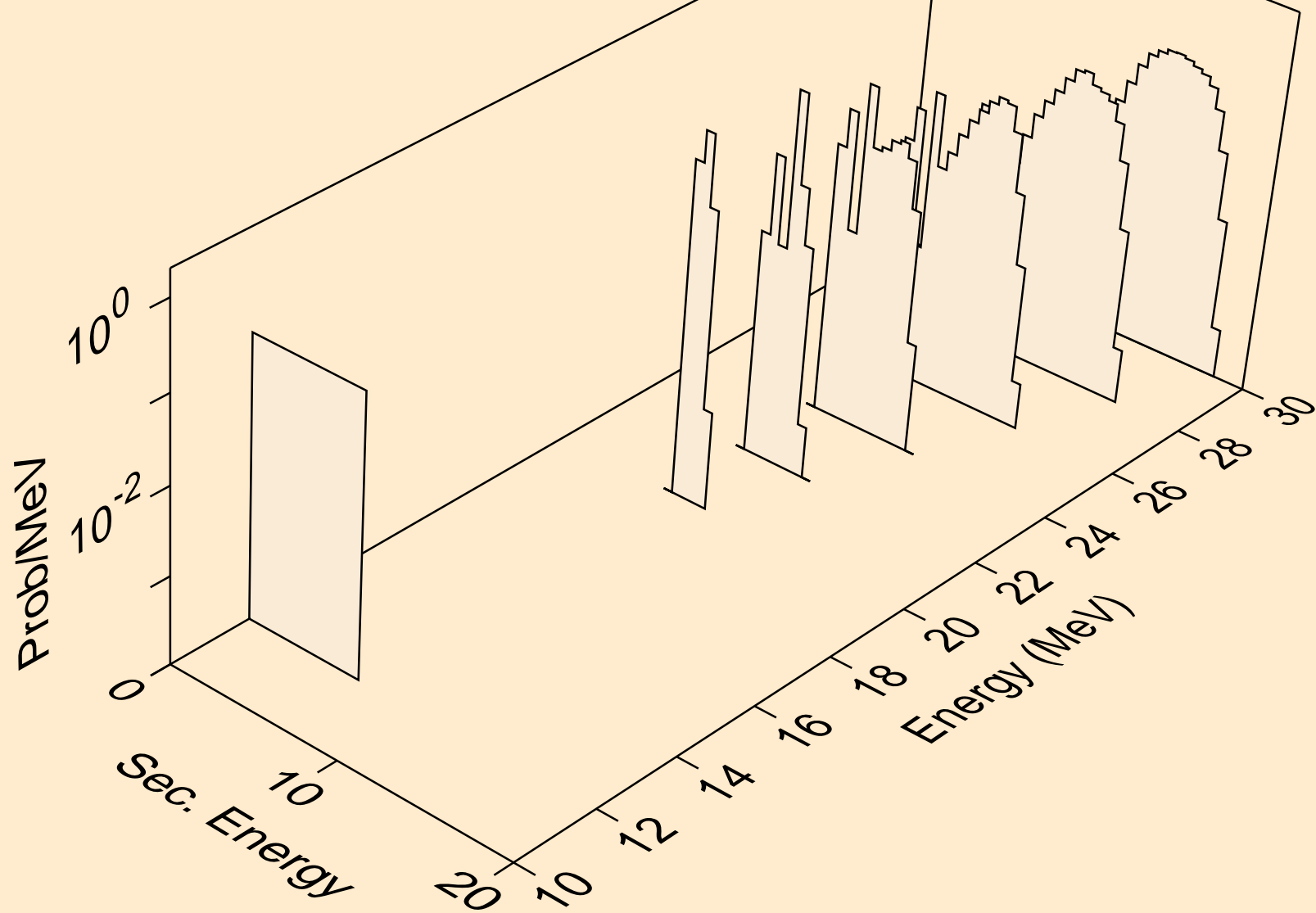
PO195 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)a



PO195 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2n)a

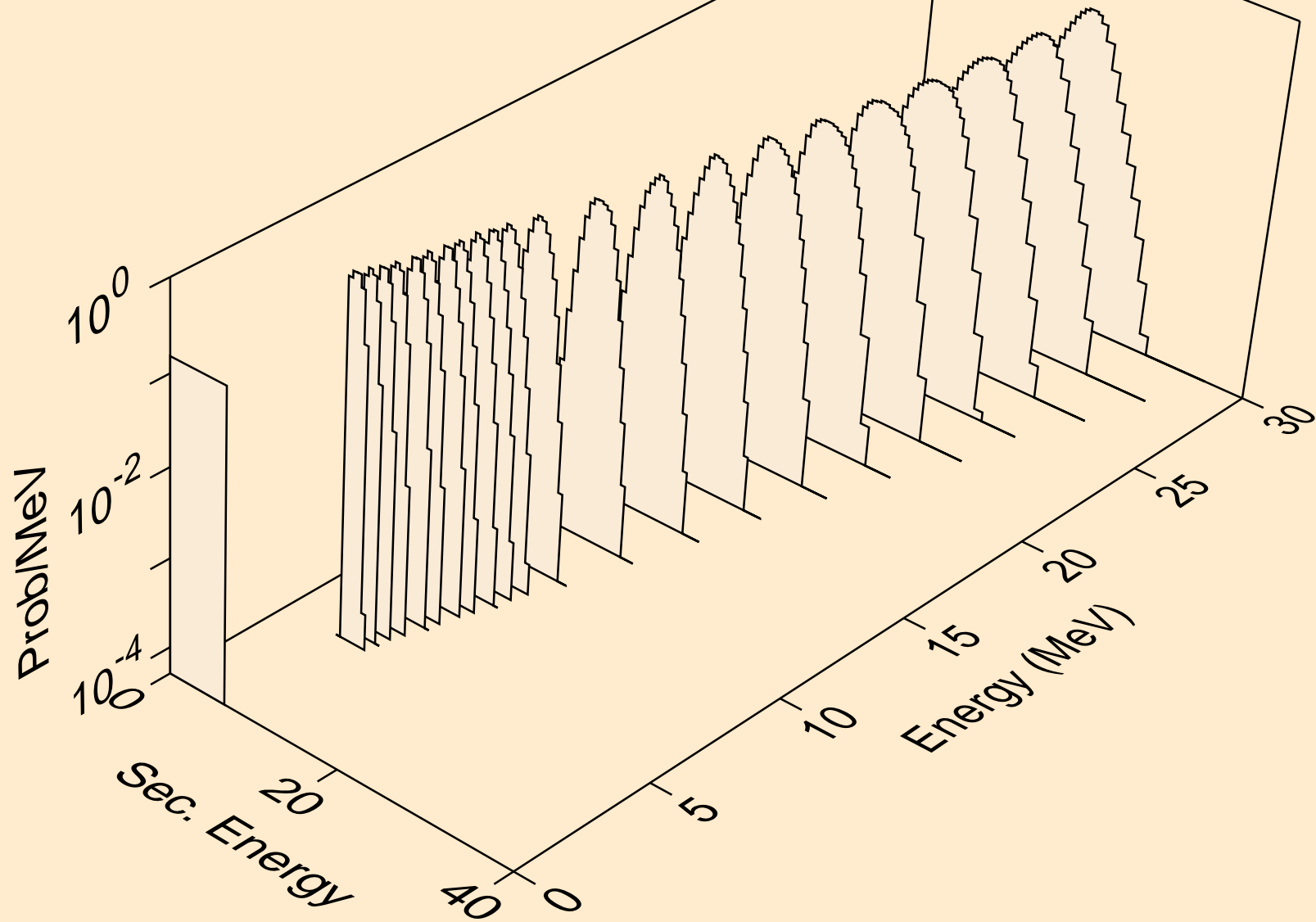


PO195 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,3n)a

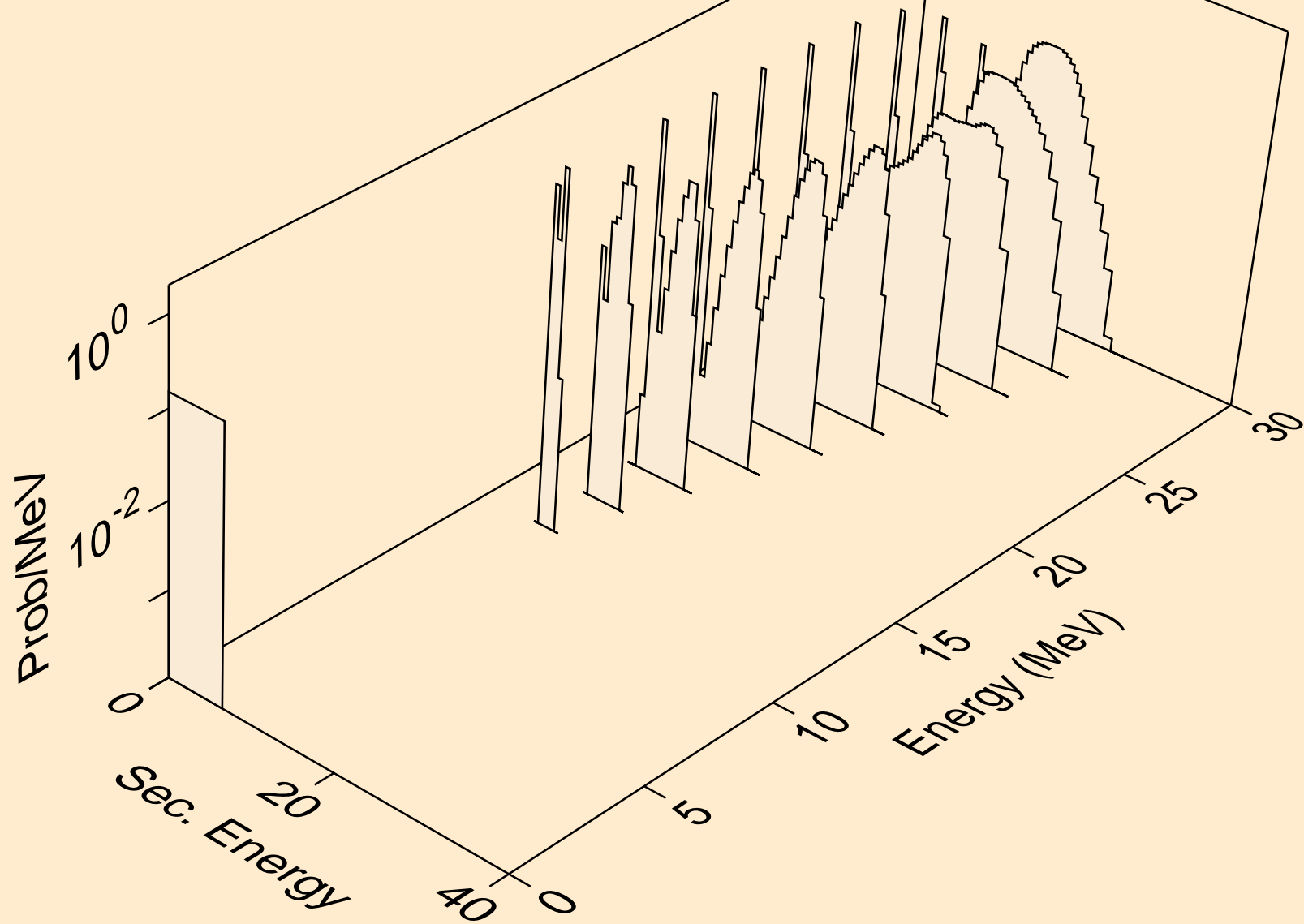




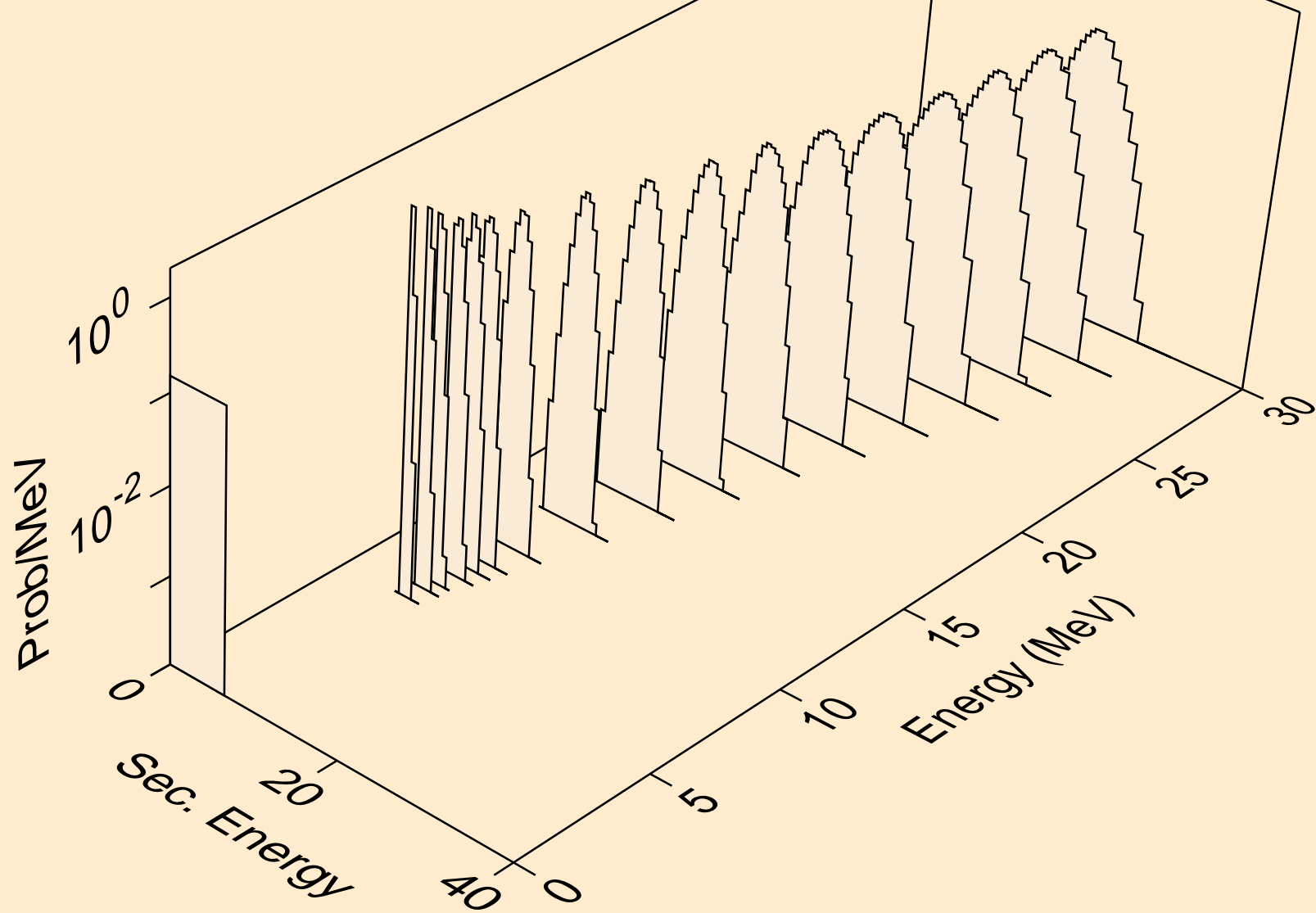
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alphas from (n,n\*)2a



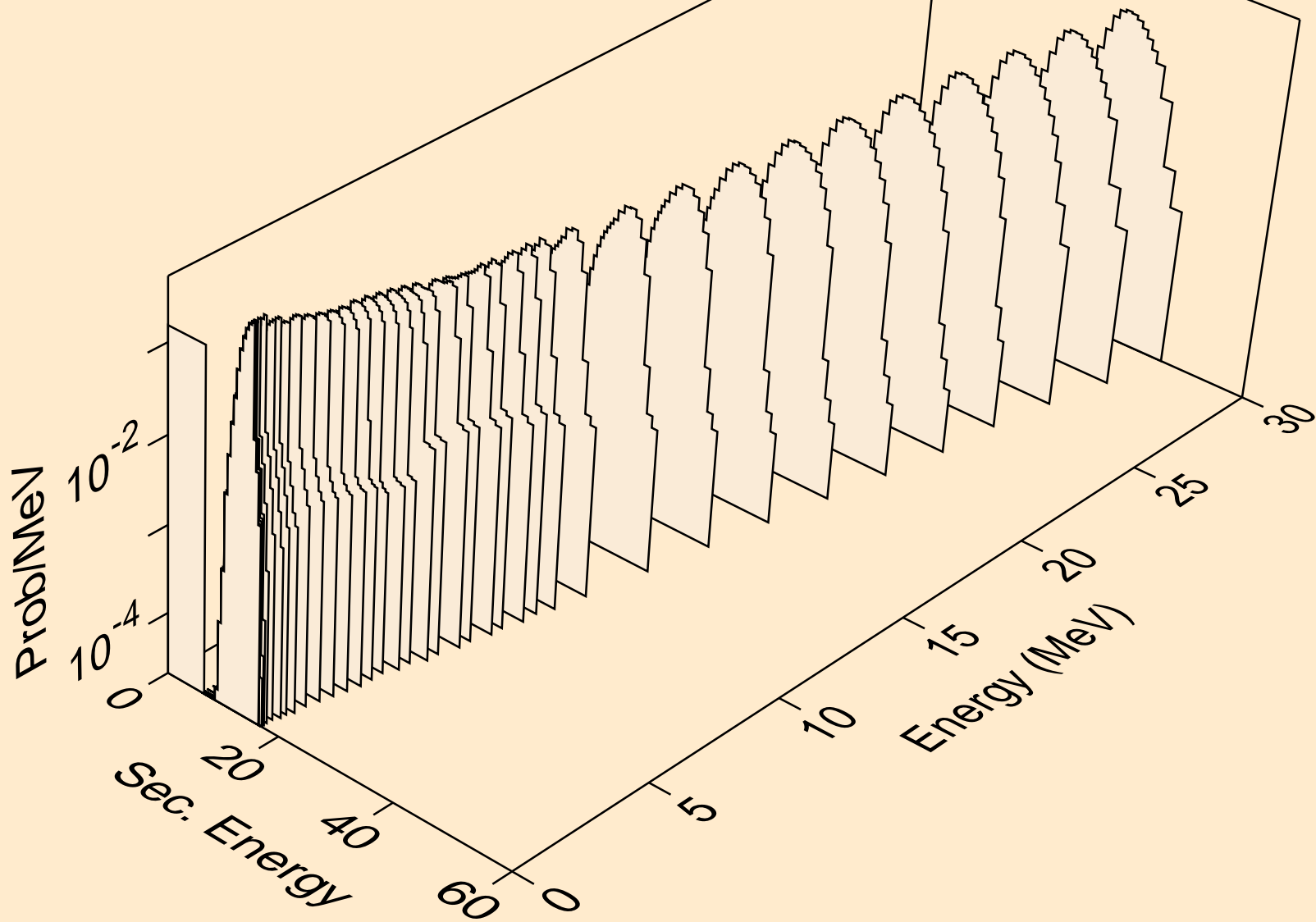
PO195 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2n)2a



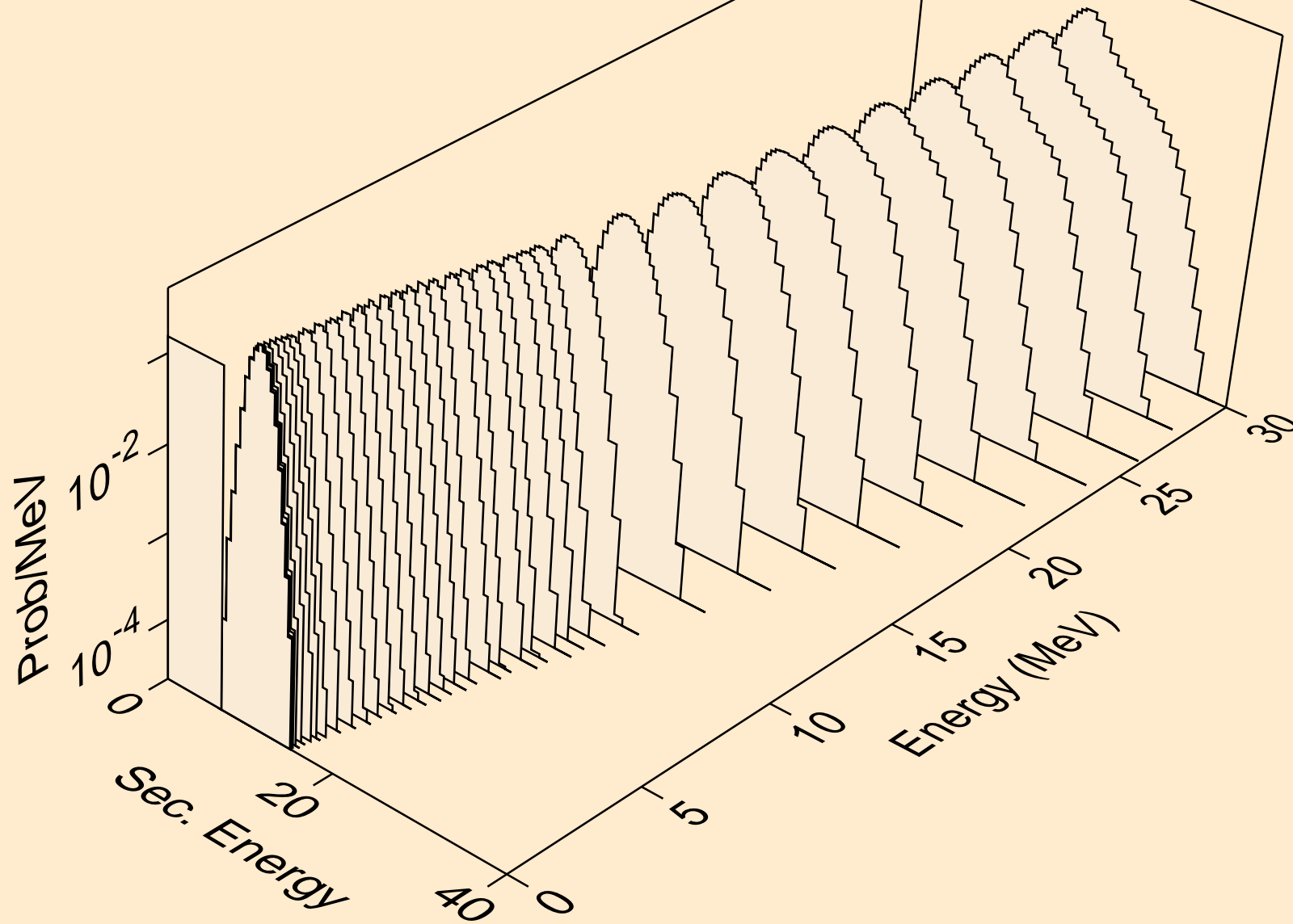
PO195 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,npa)



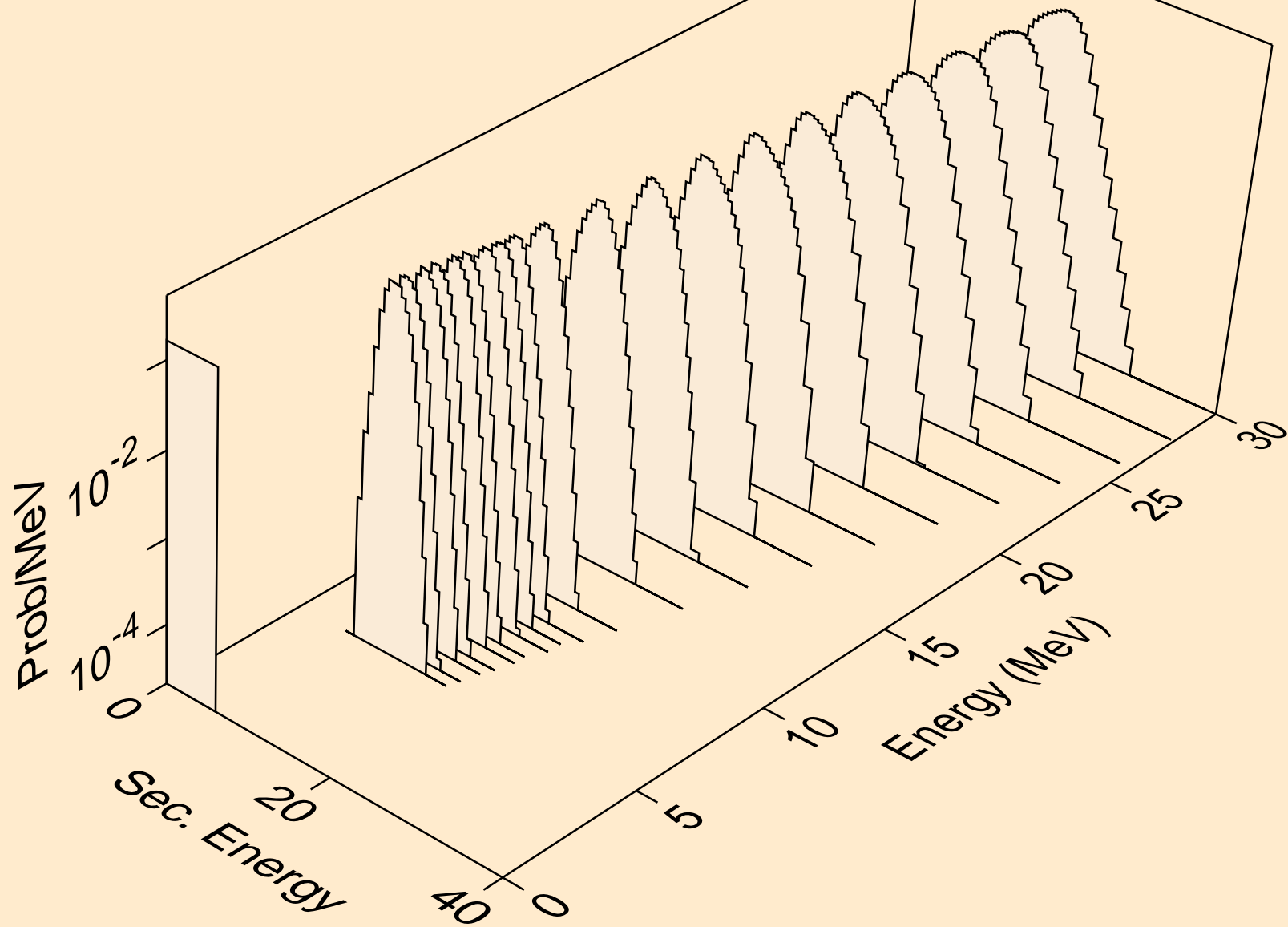
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alphas from (n,a)



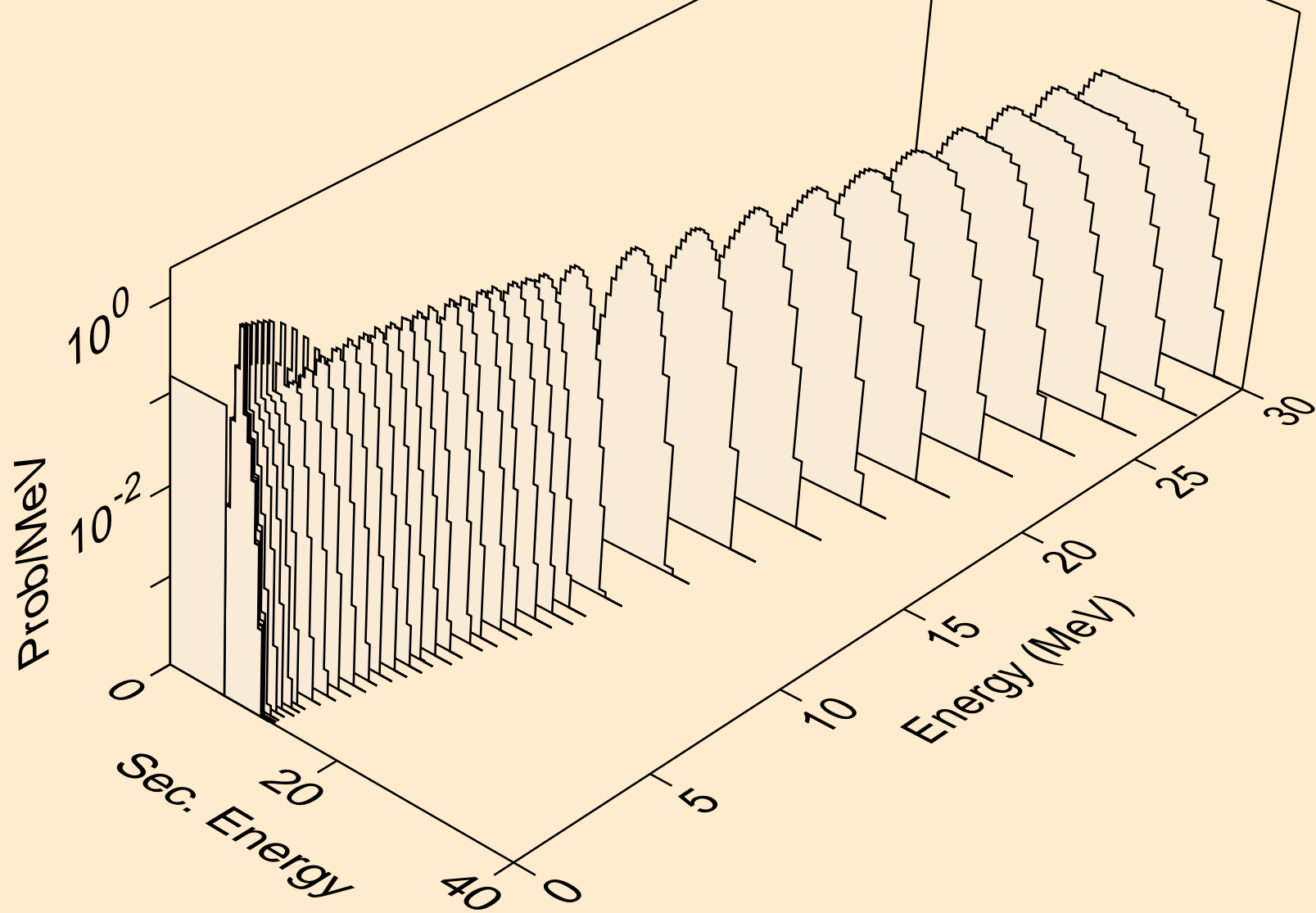
PO195 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2a)



PO195 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,3a)



PO195 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,pa)



PO195 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,da)

