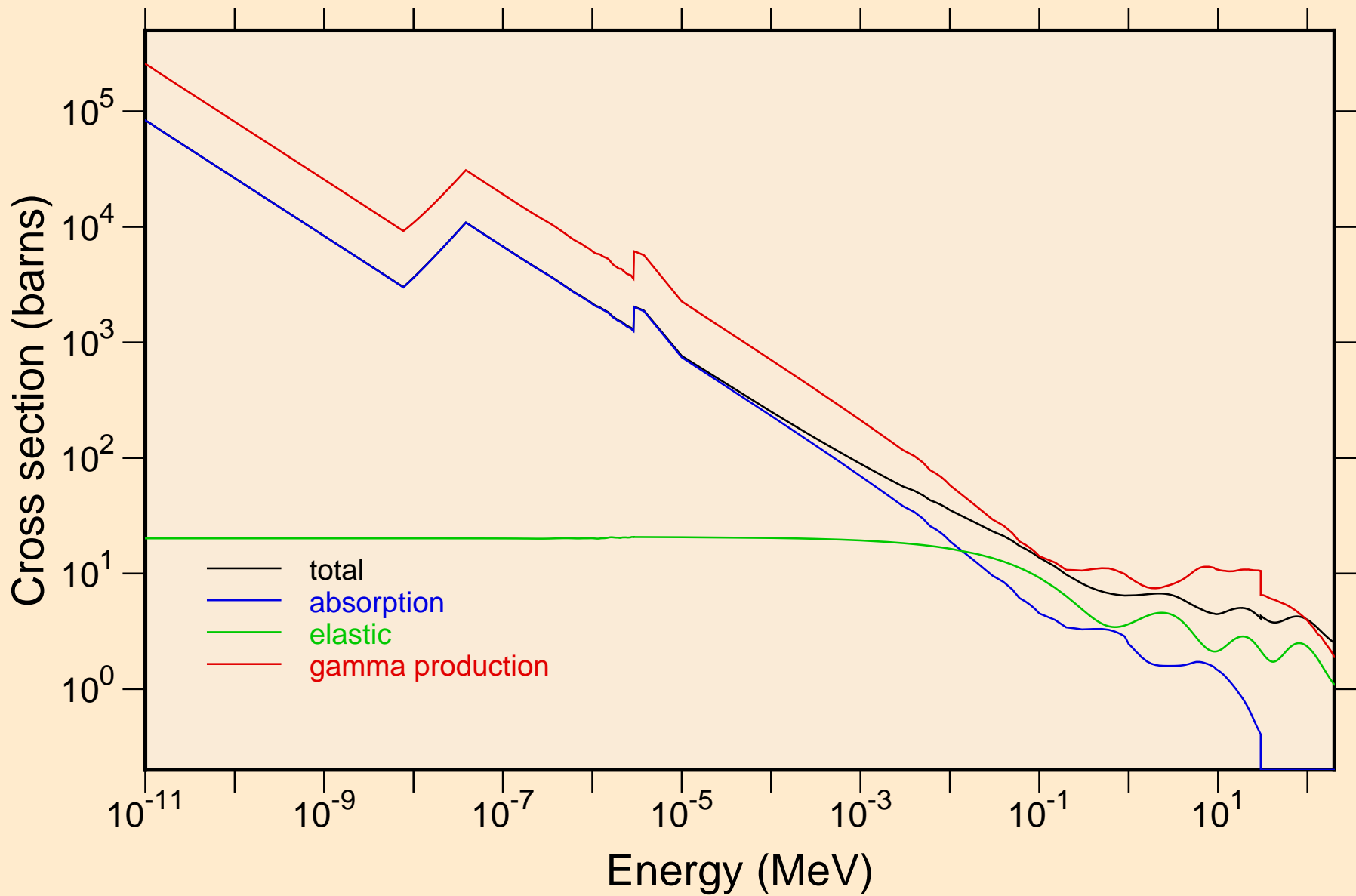


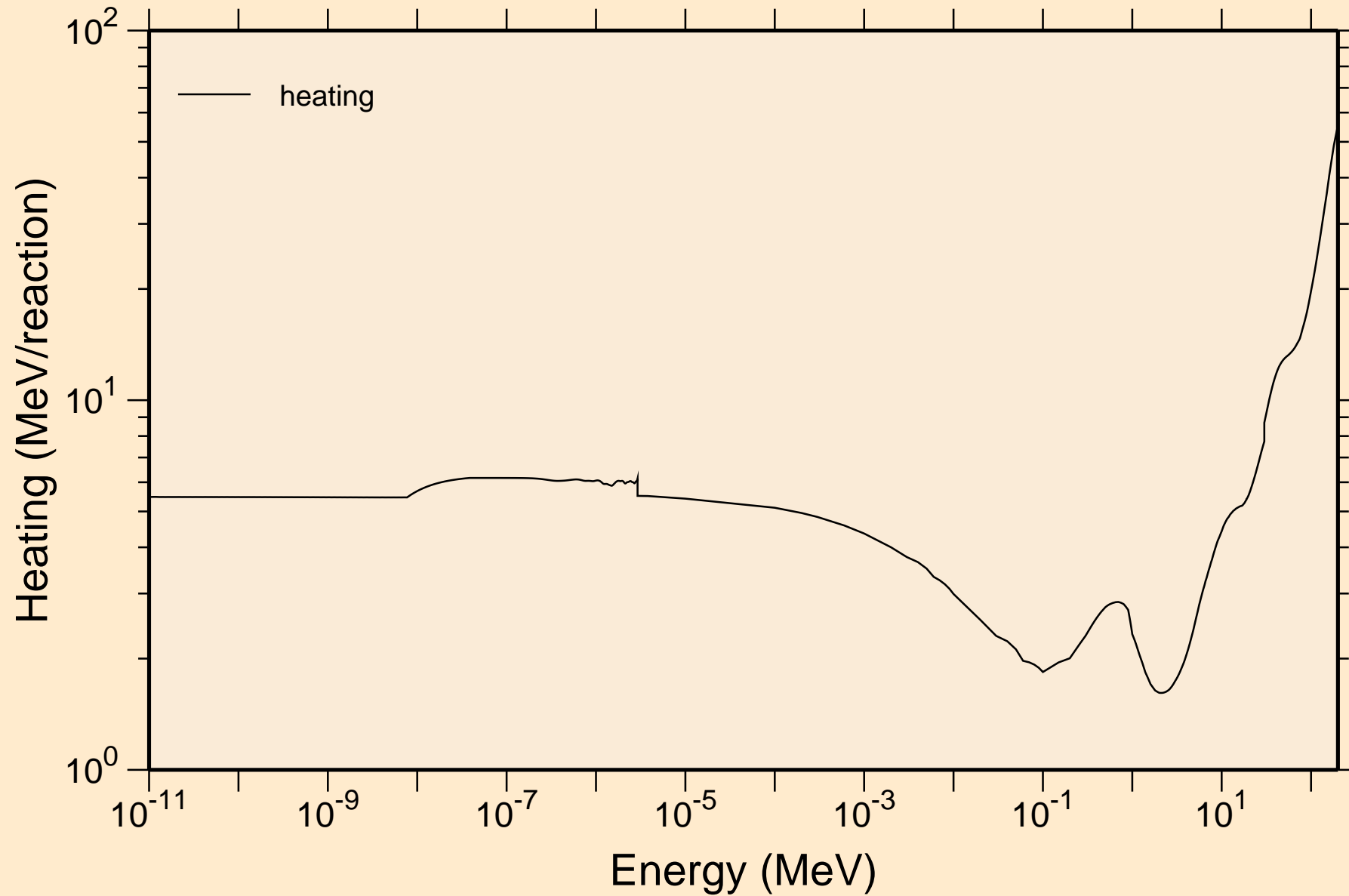
# TA160 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections

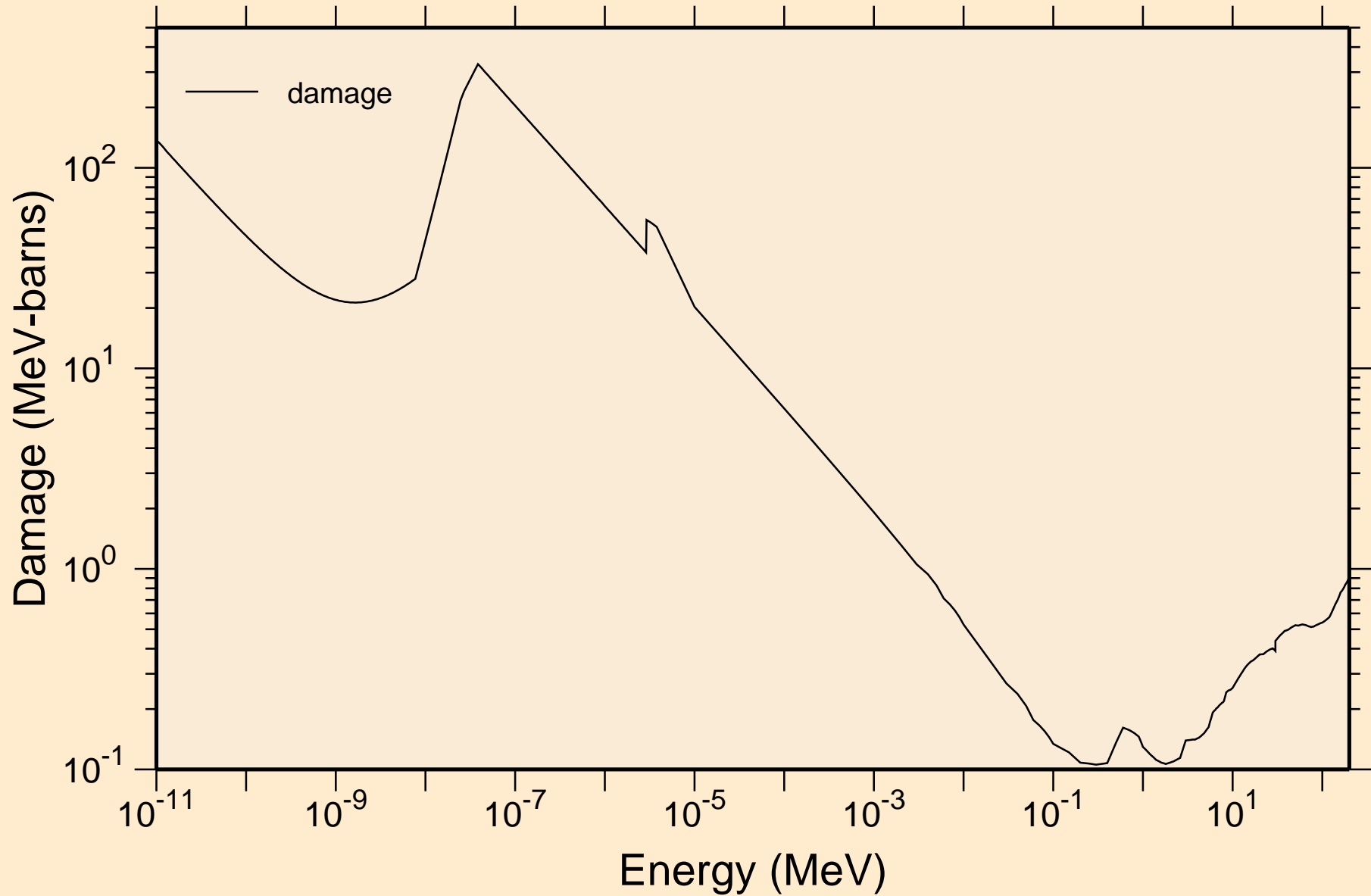


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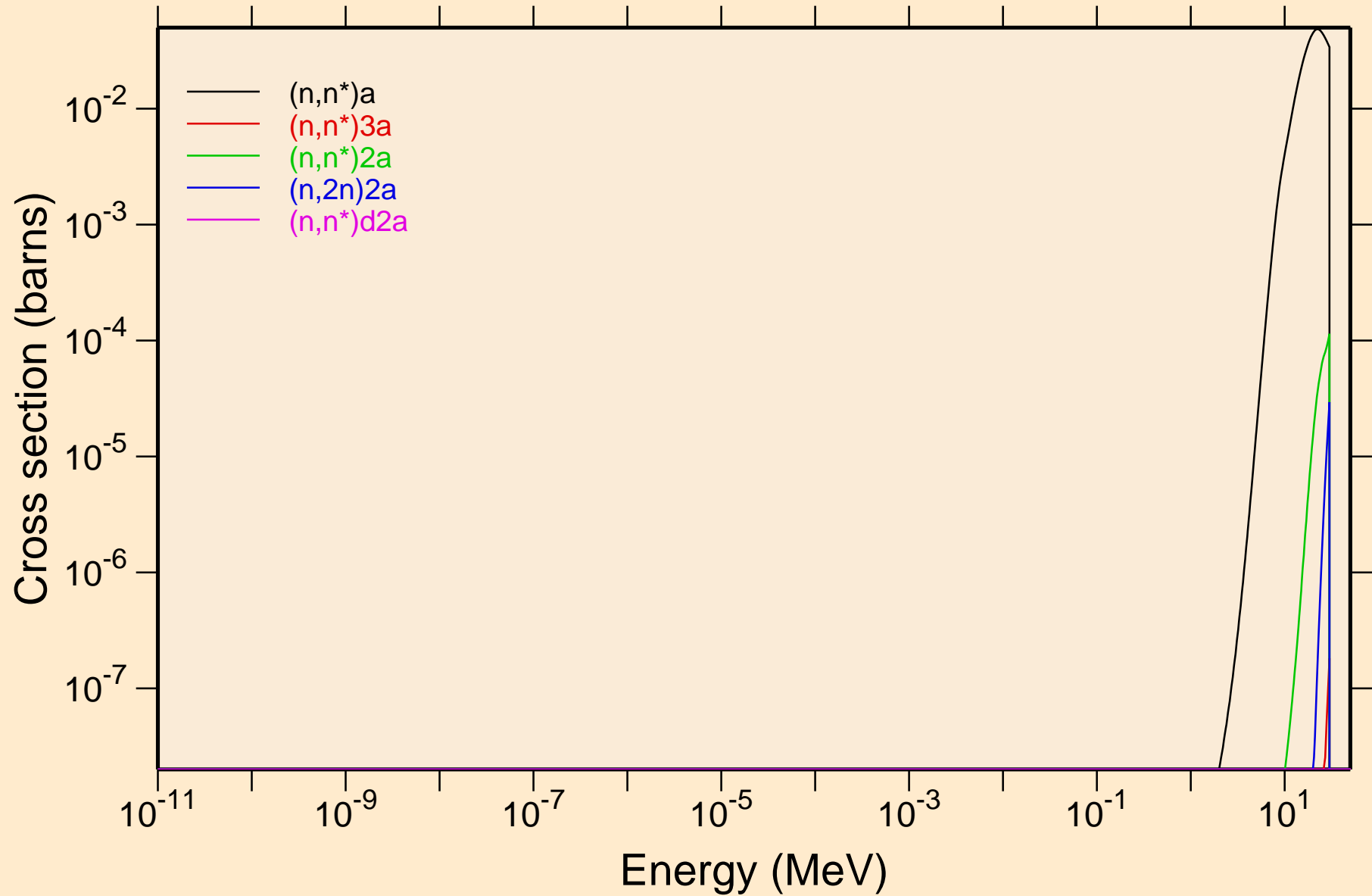
## Heating



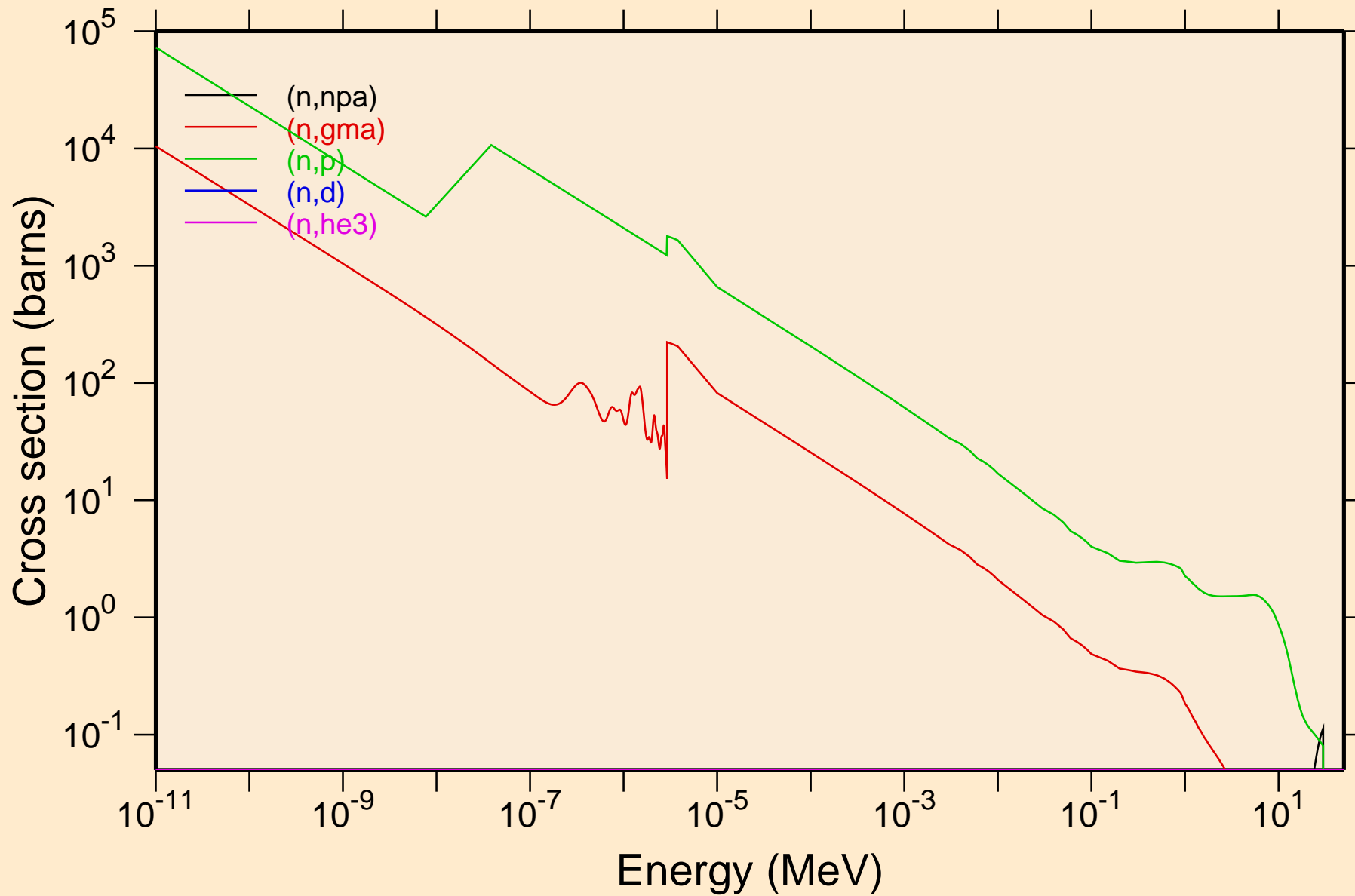
TA160 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Damage



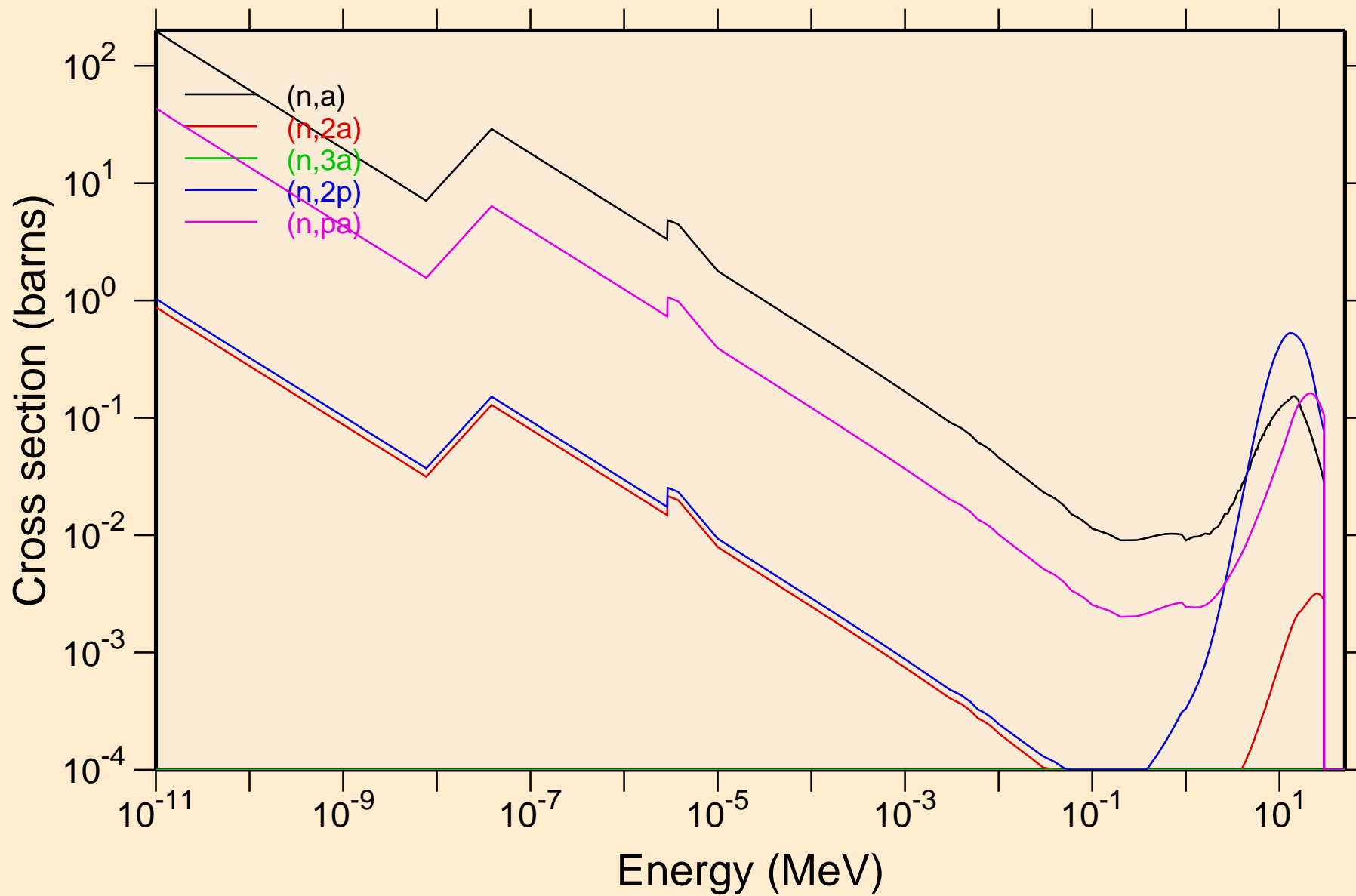
TA160 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



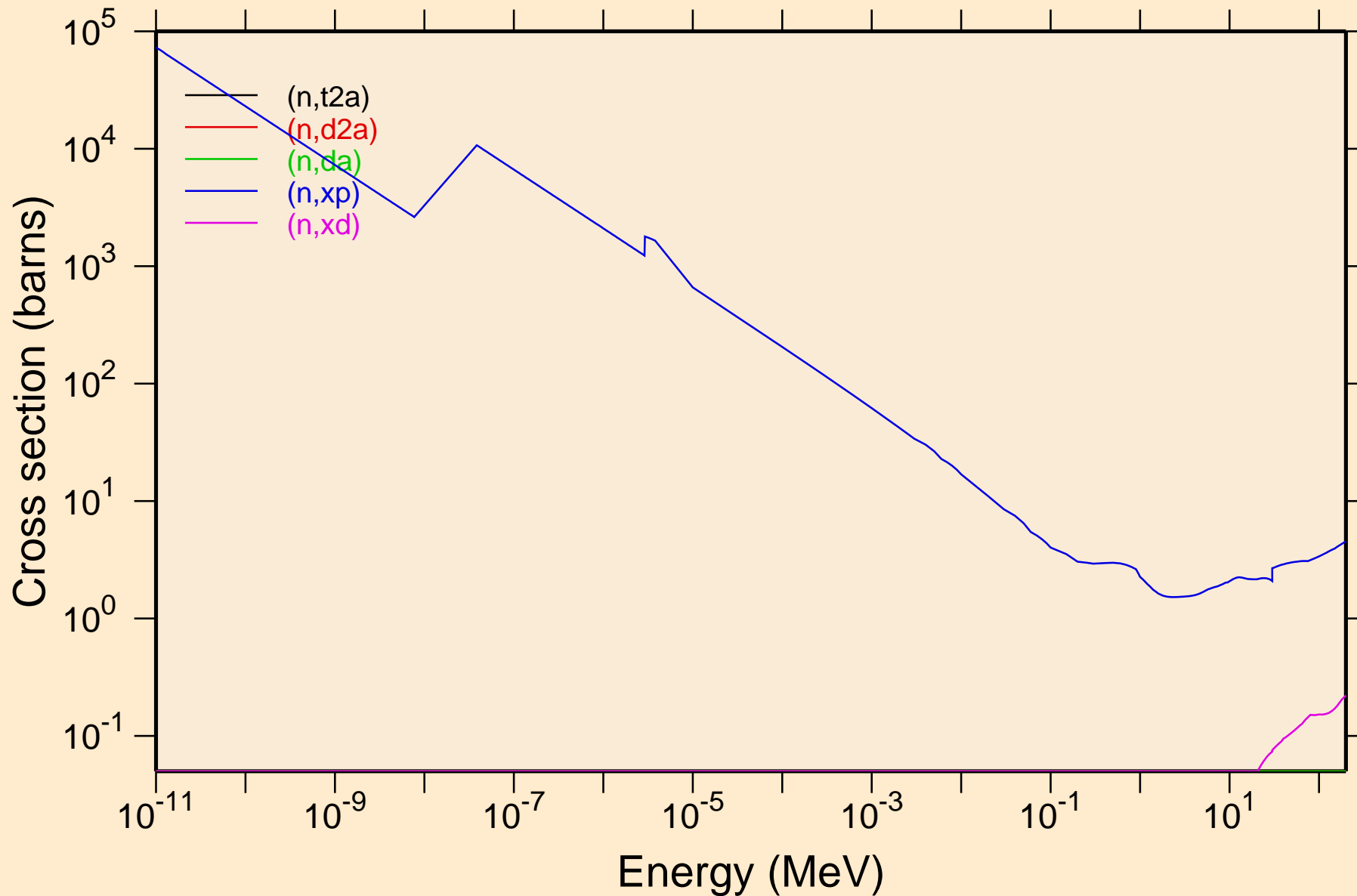
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Non-threshold reactions



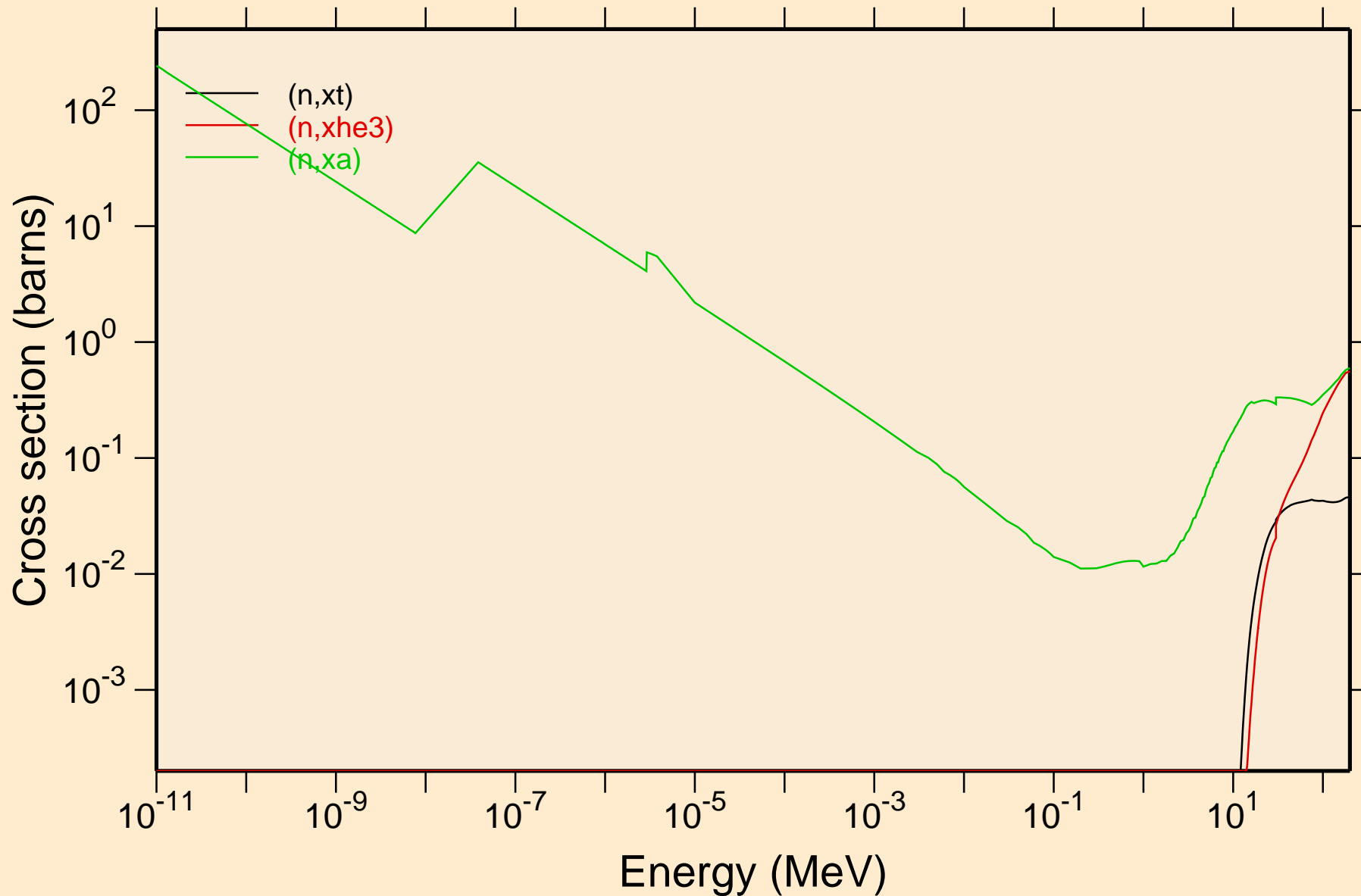
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Non-threshold reactions



TA160 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

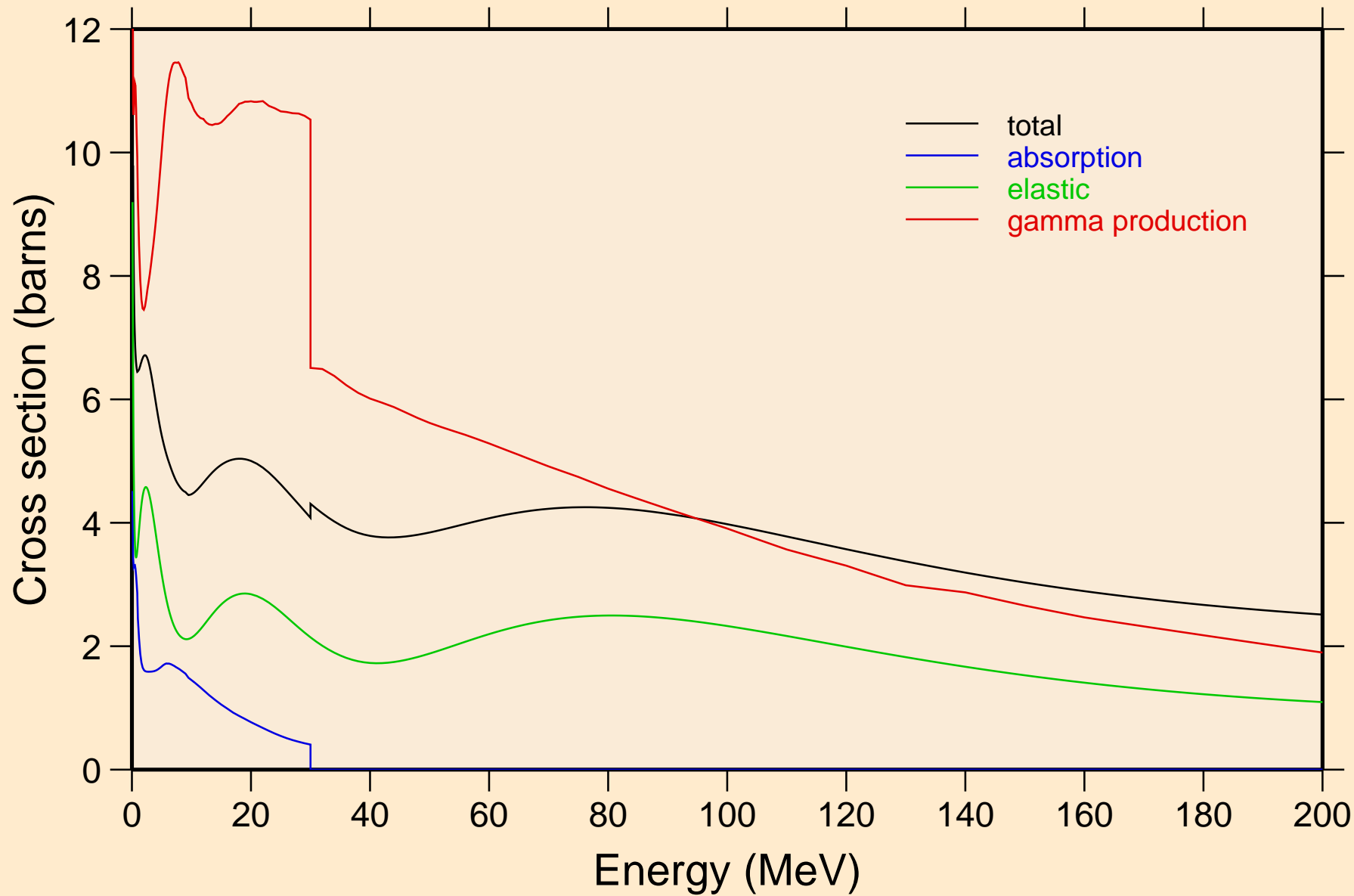


TA160 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



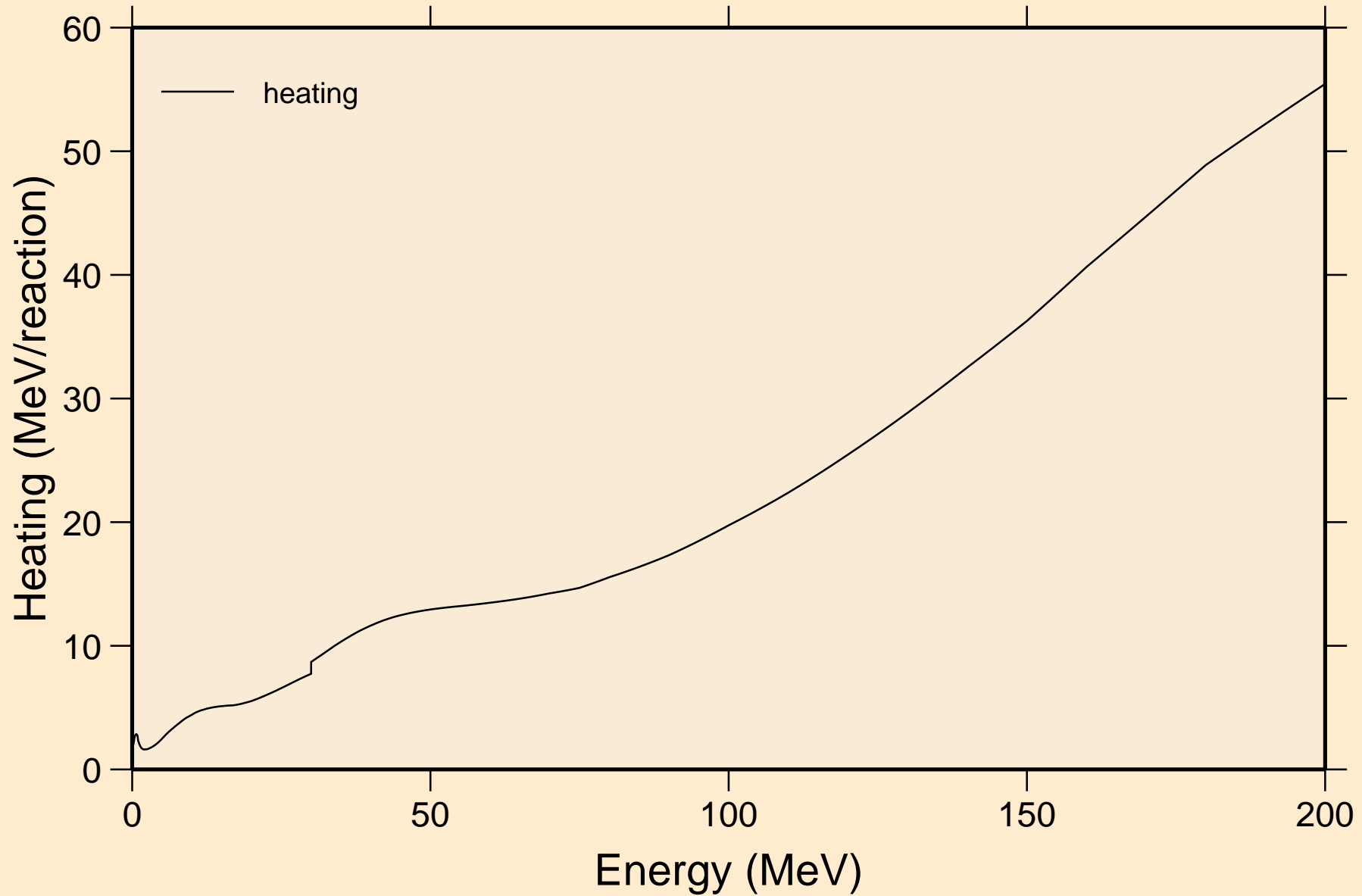


TA160 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Principal cross sections

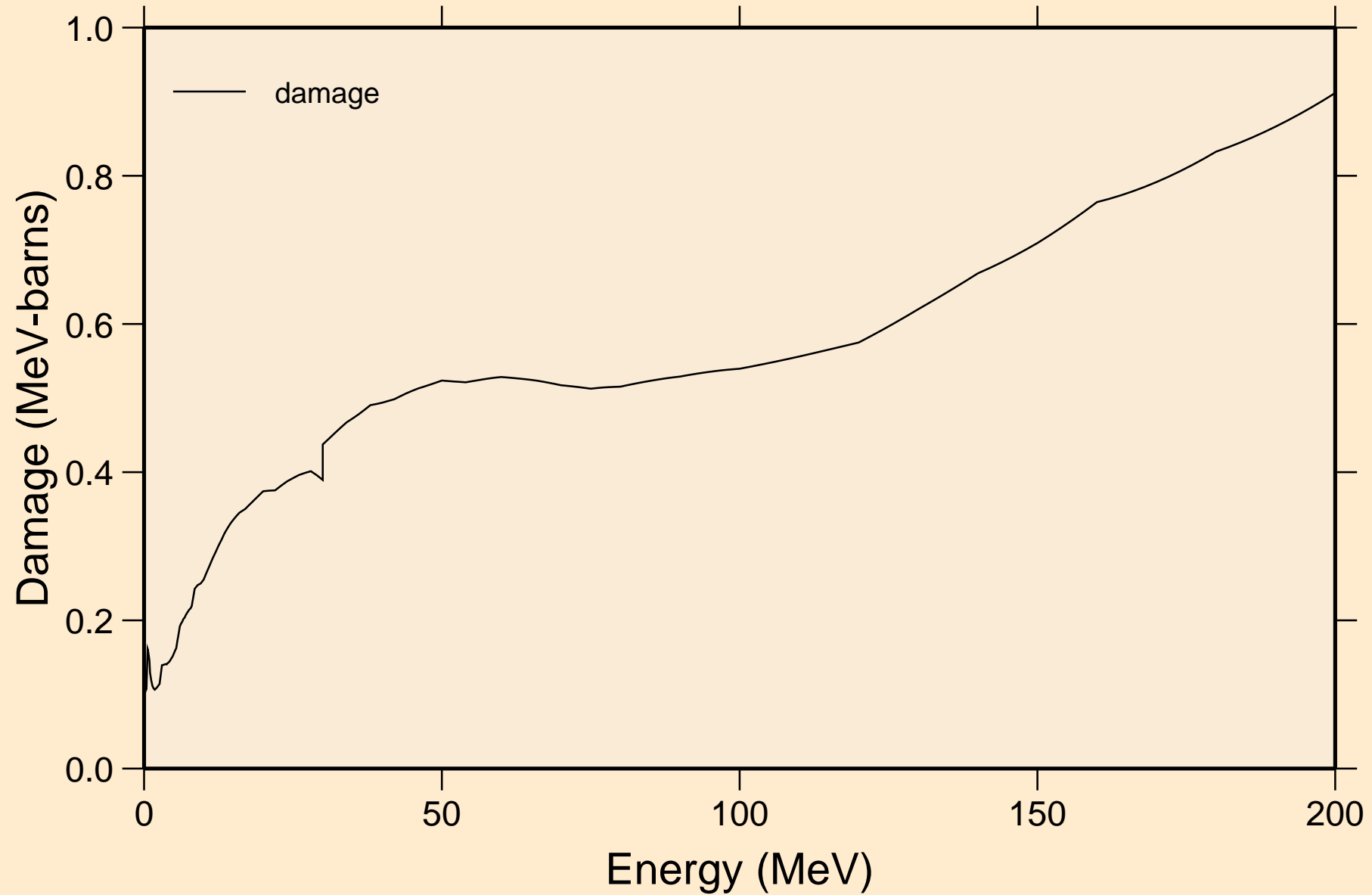


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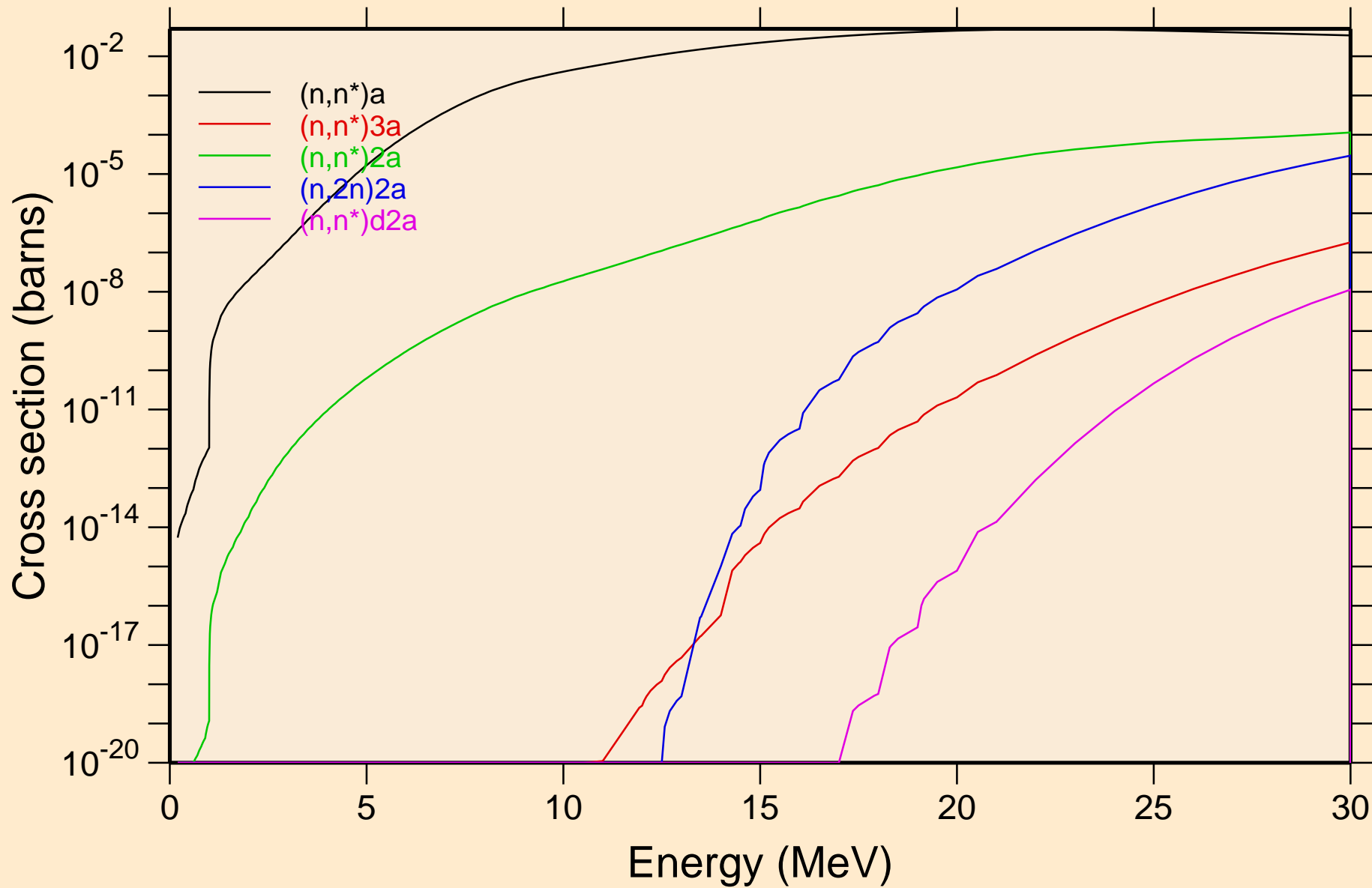
## Heating



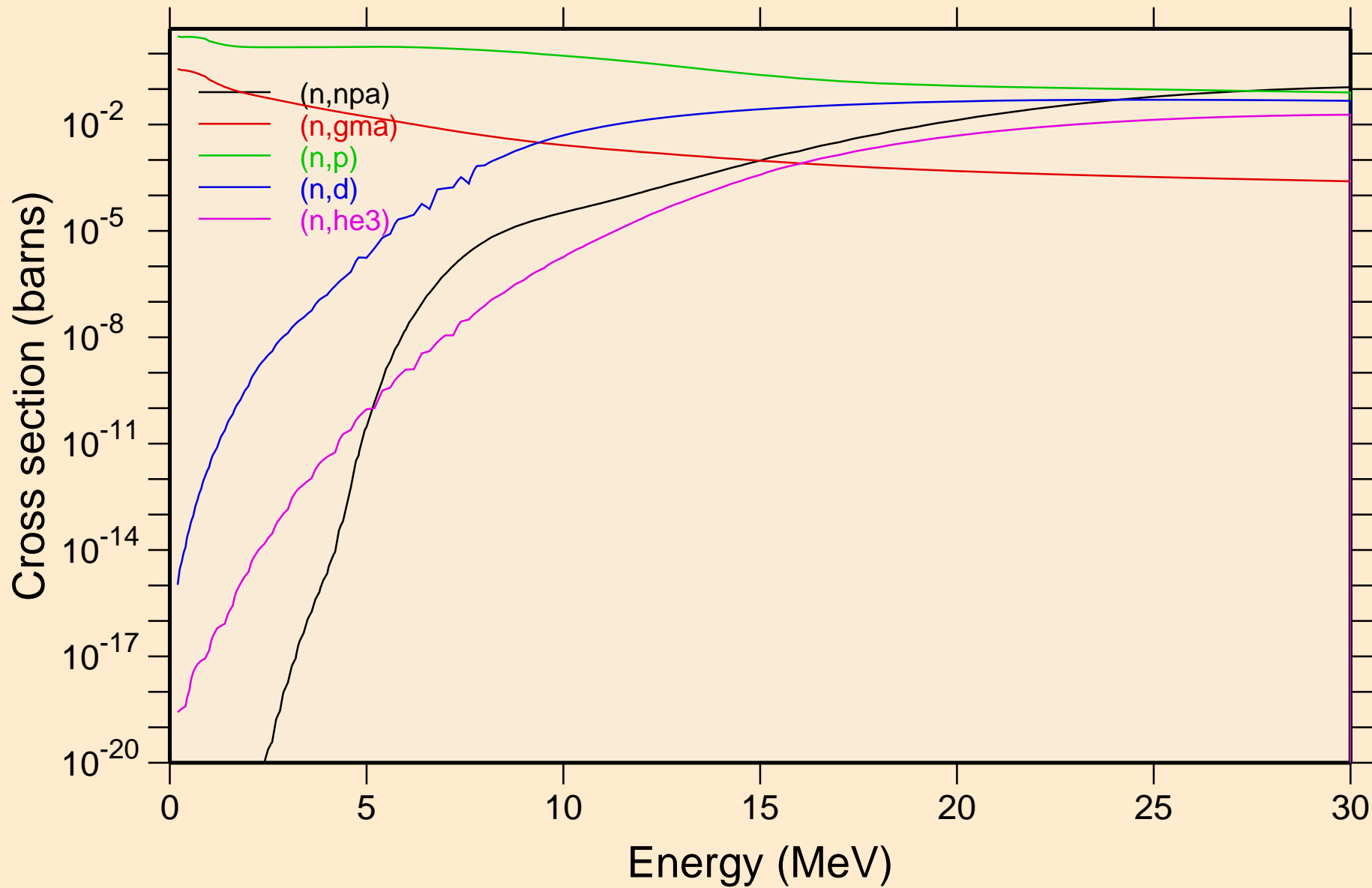
TA160 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Damage



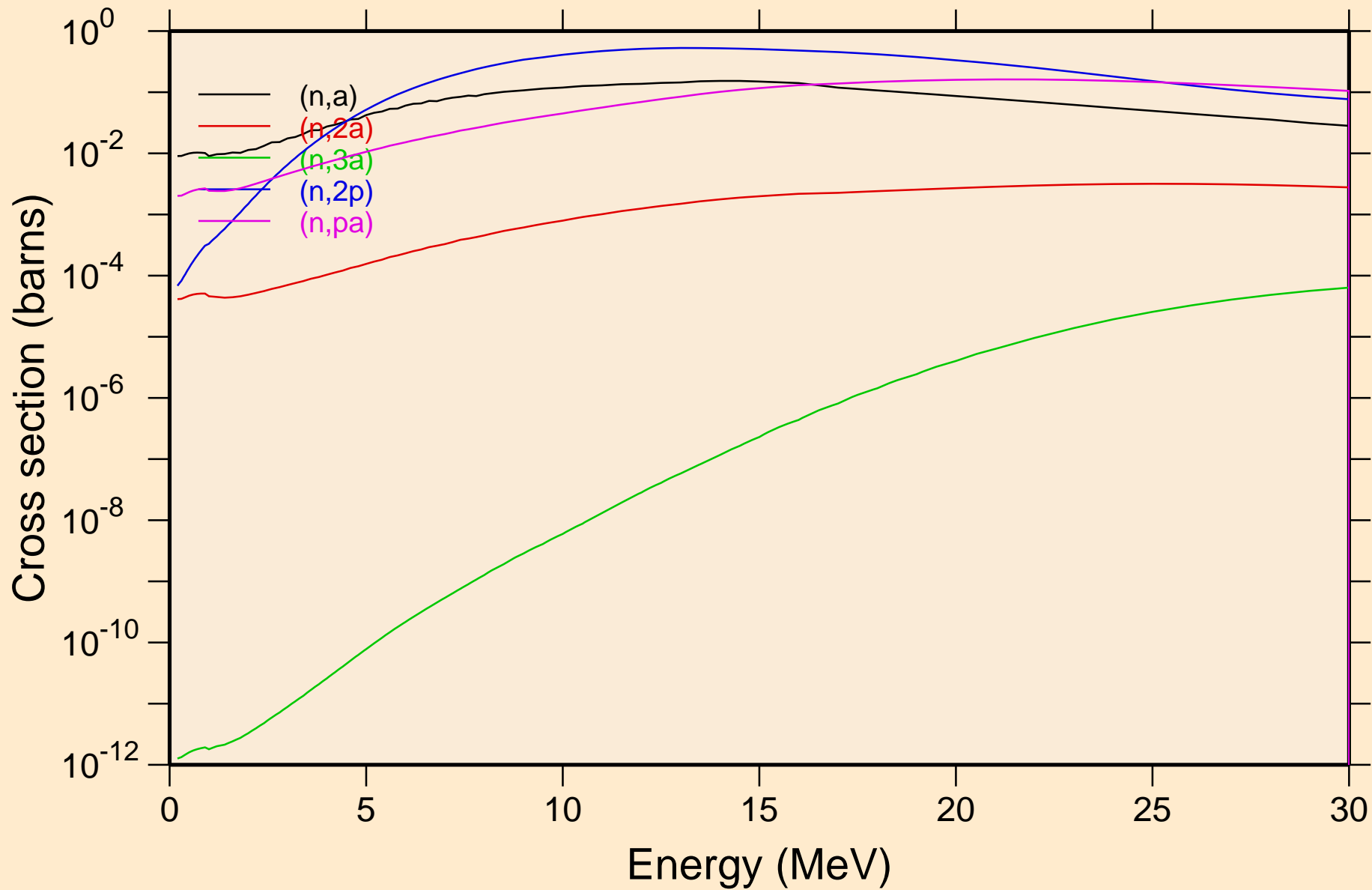
TA160 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



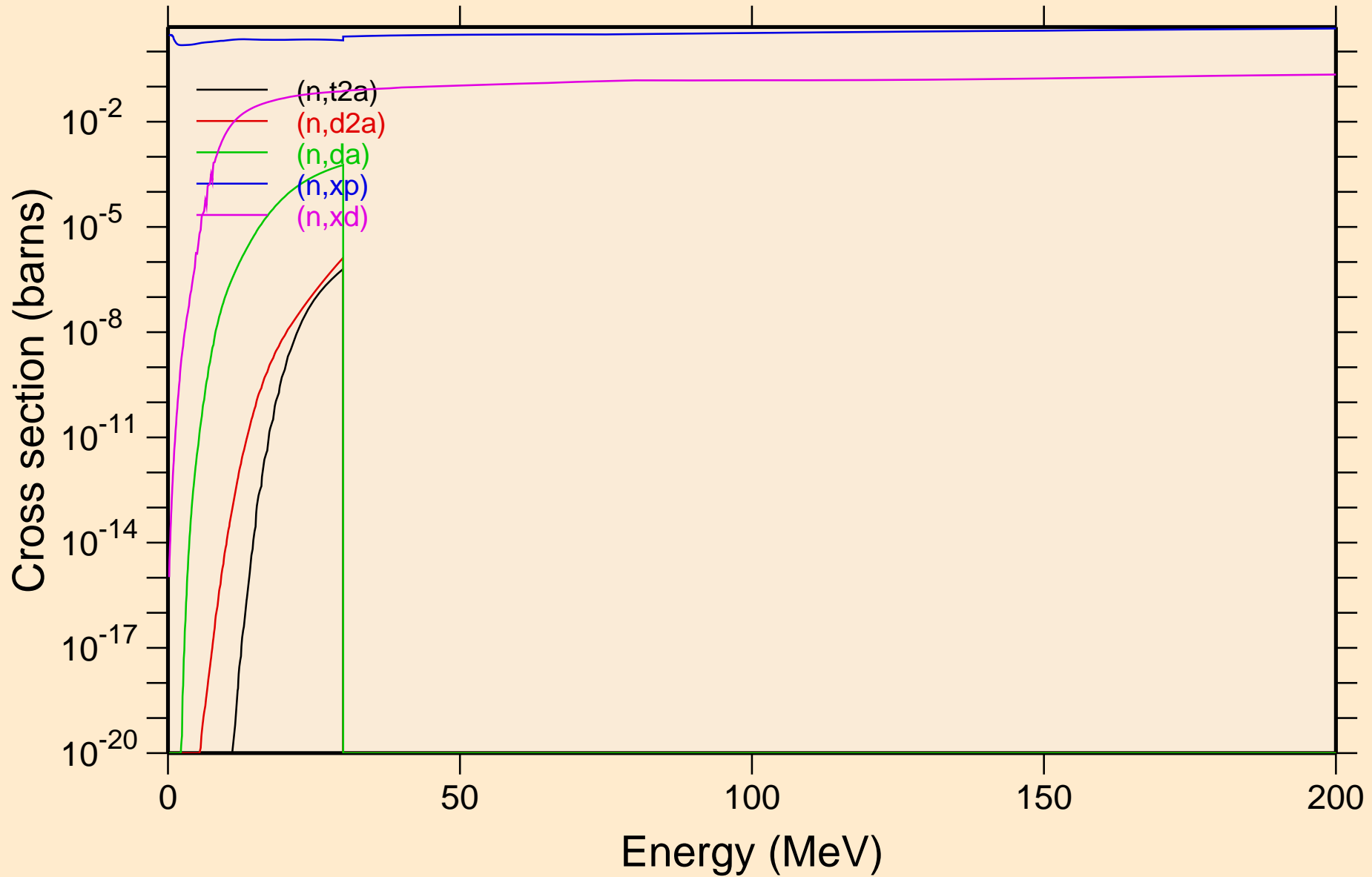
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Non-threshold reactions



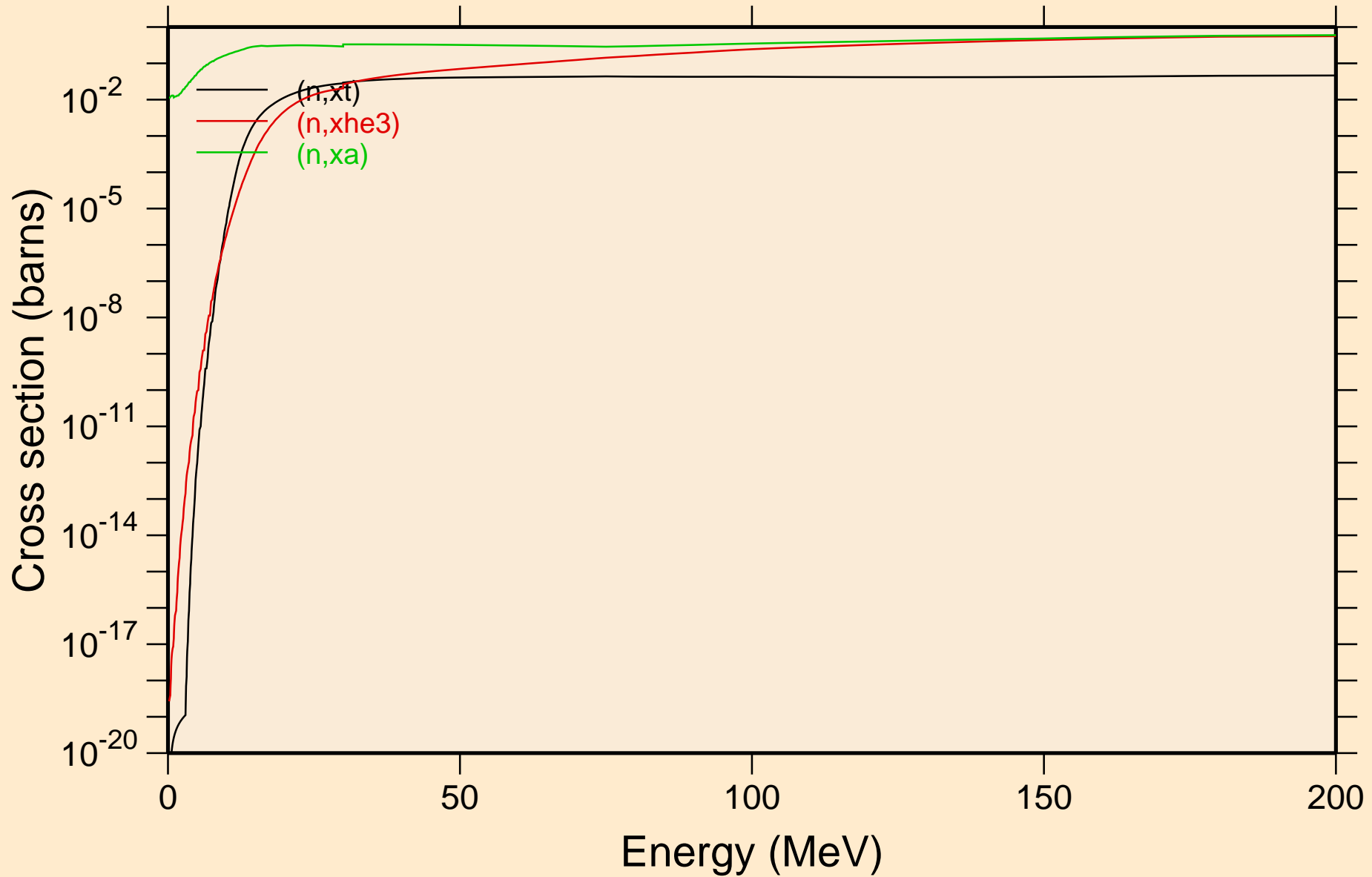
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Non-threshold reactions



TA160 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

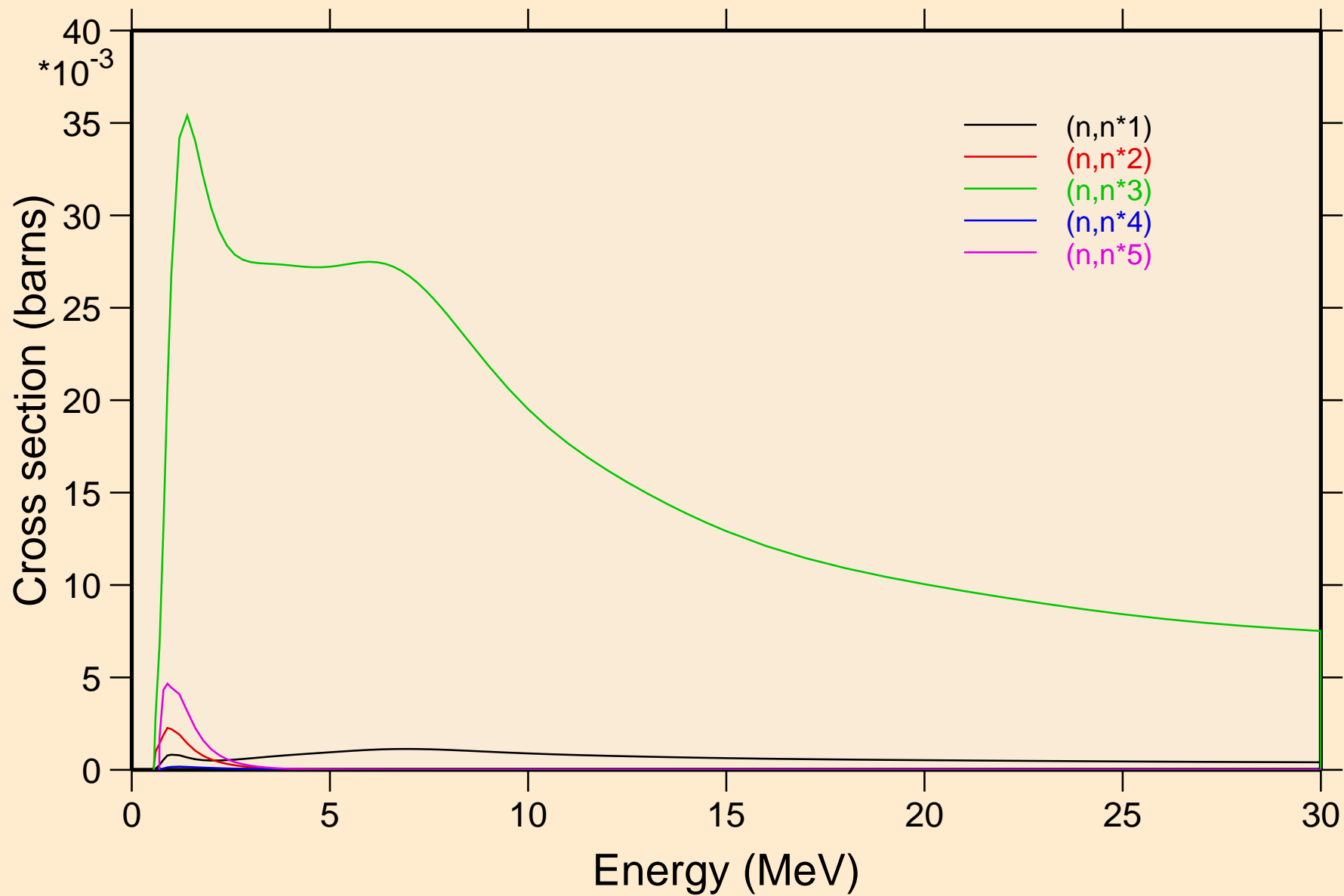


TA160 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

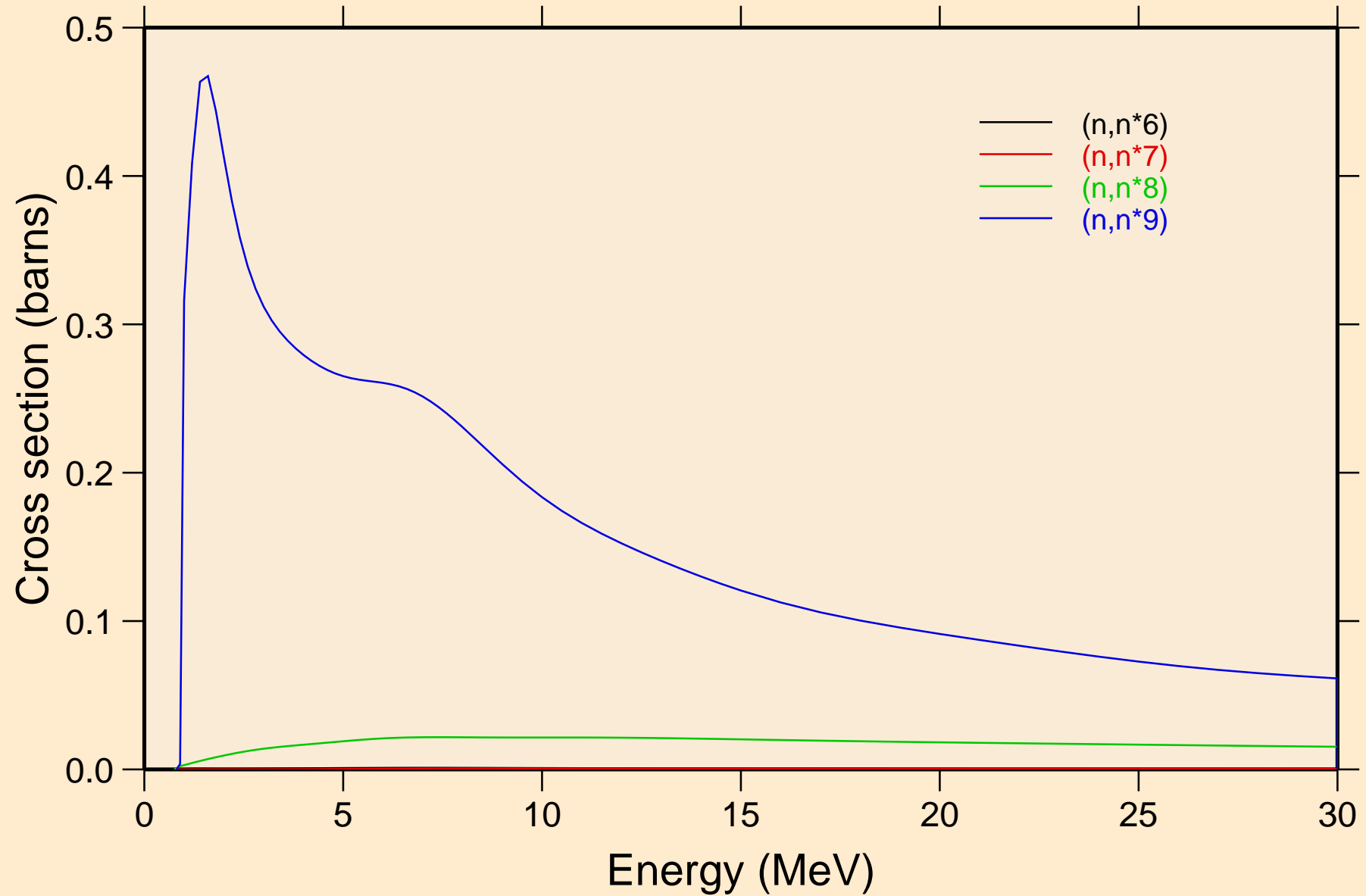




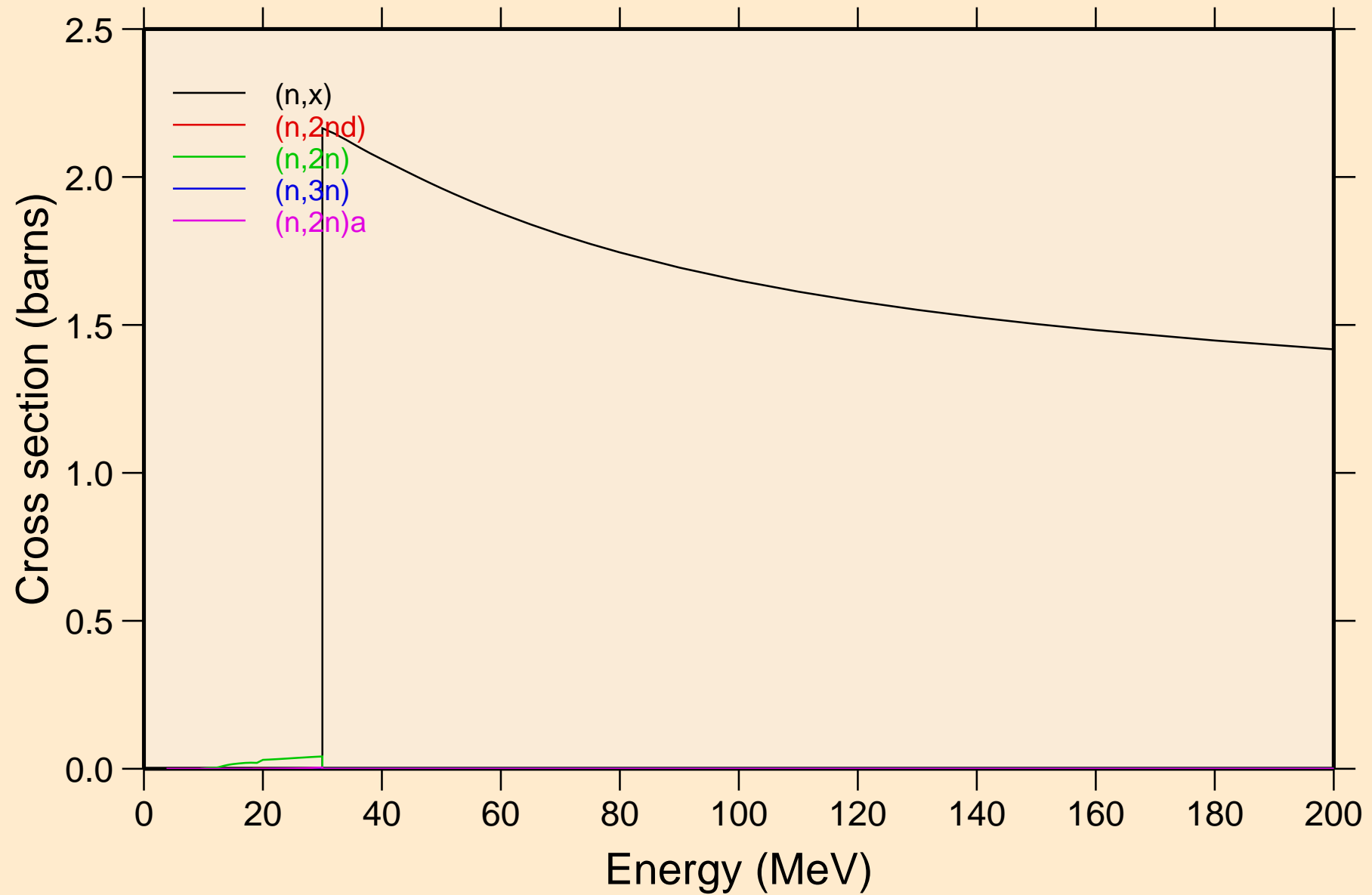
TA160 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



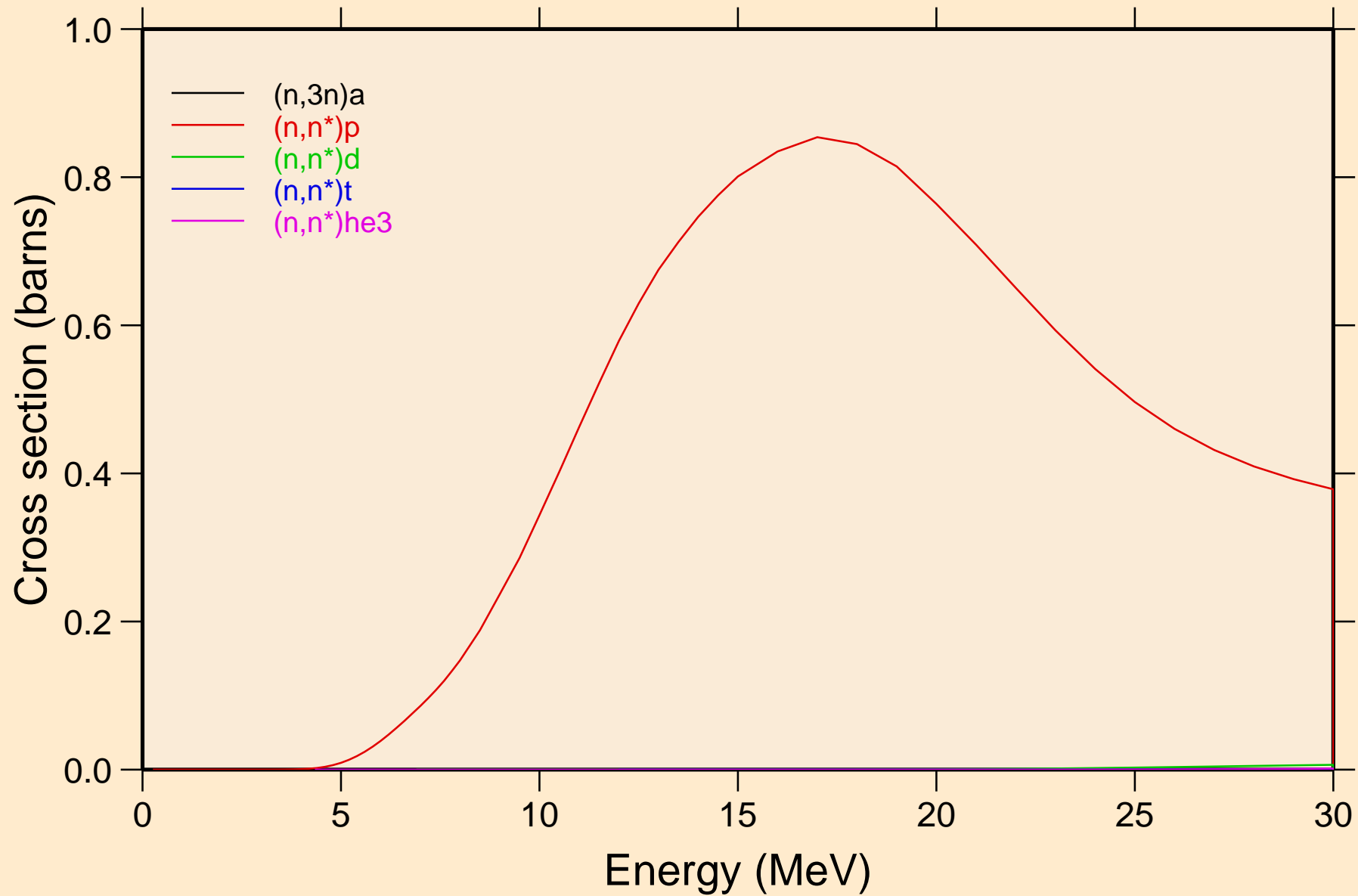
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Inelastic levels



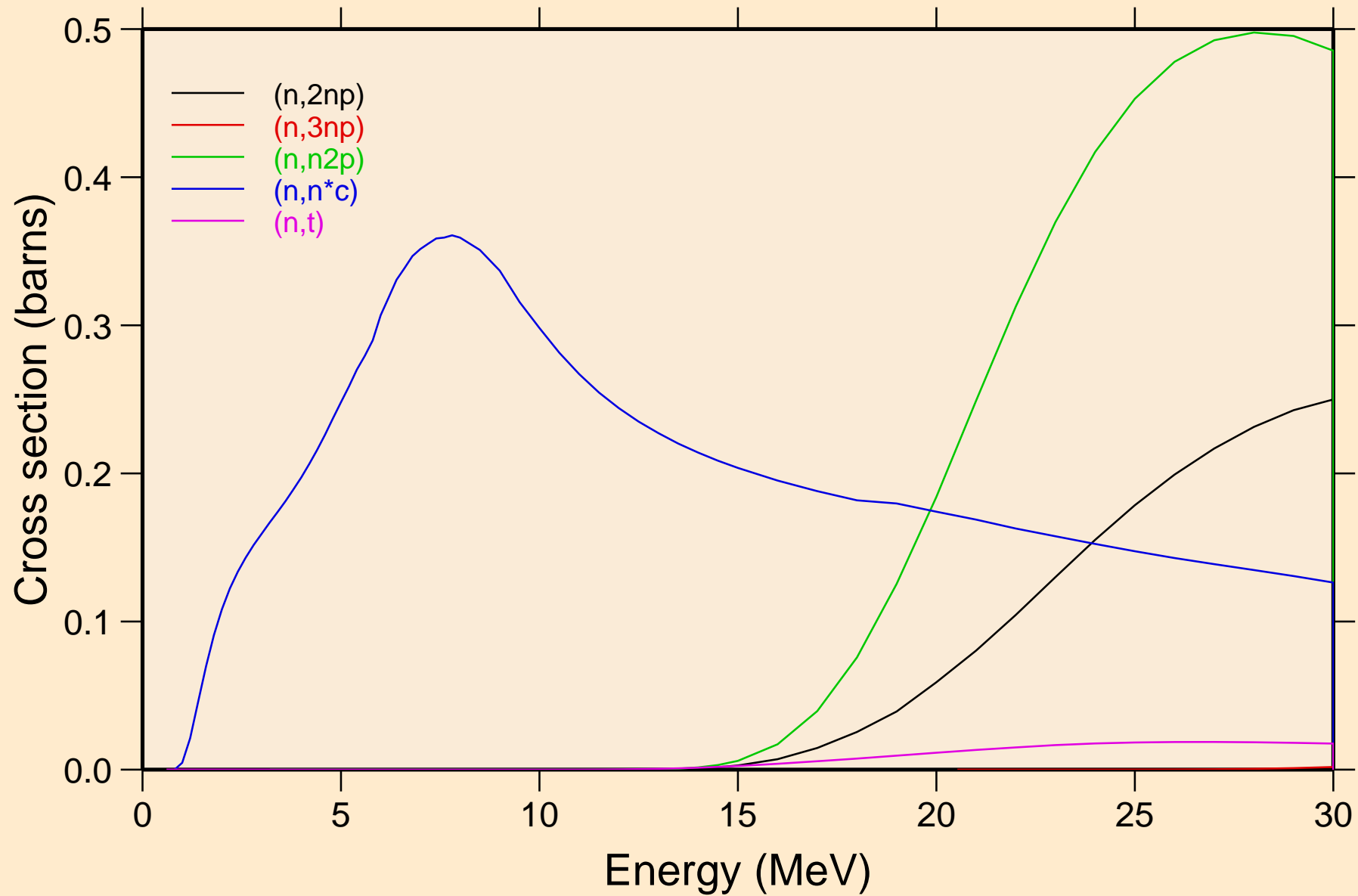
TA160 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



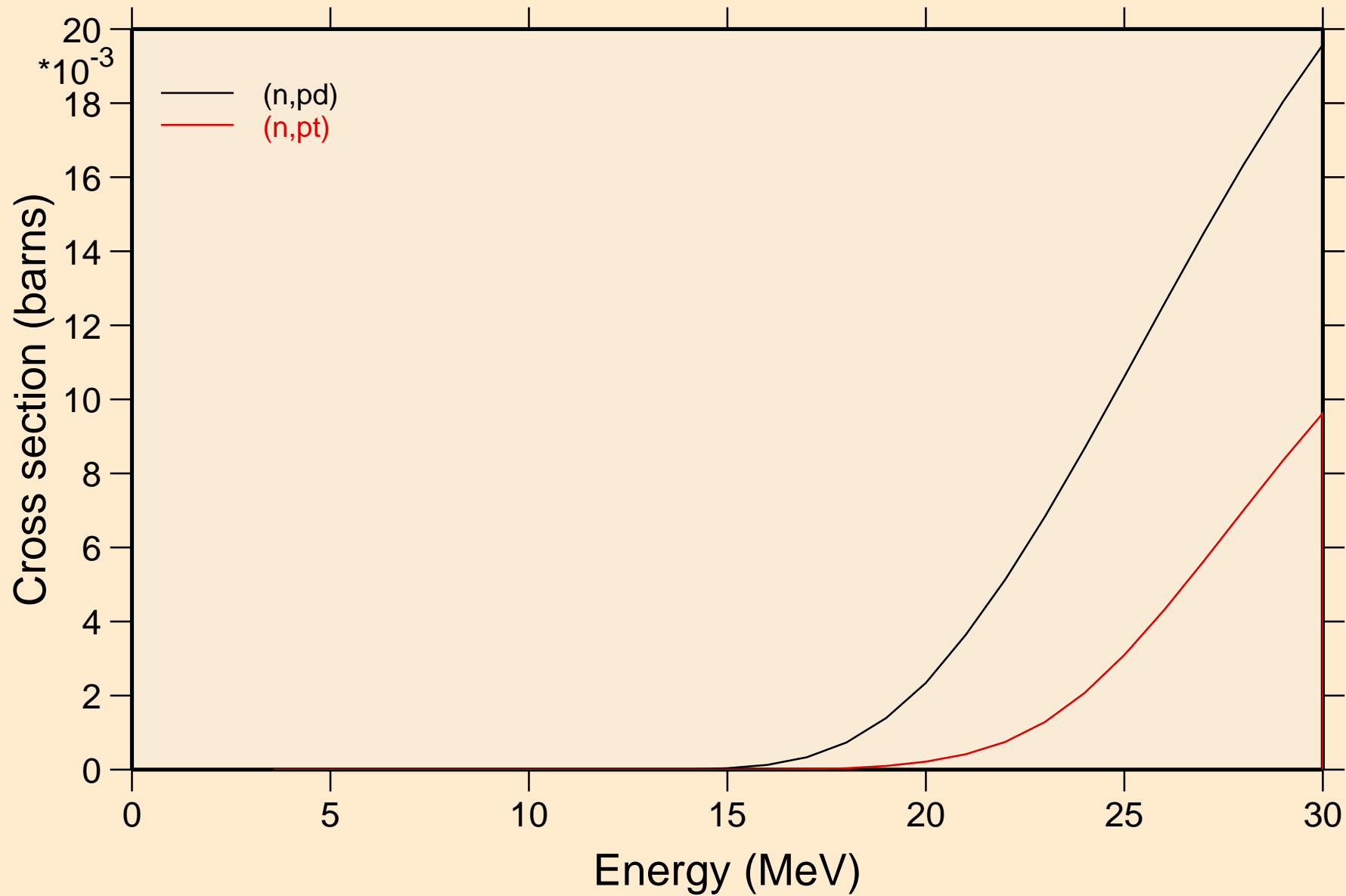
TA160 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



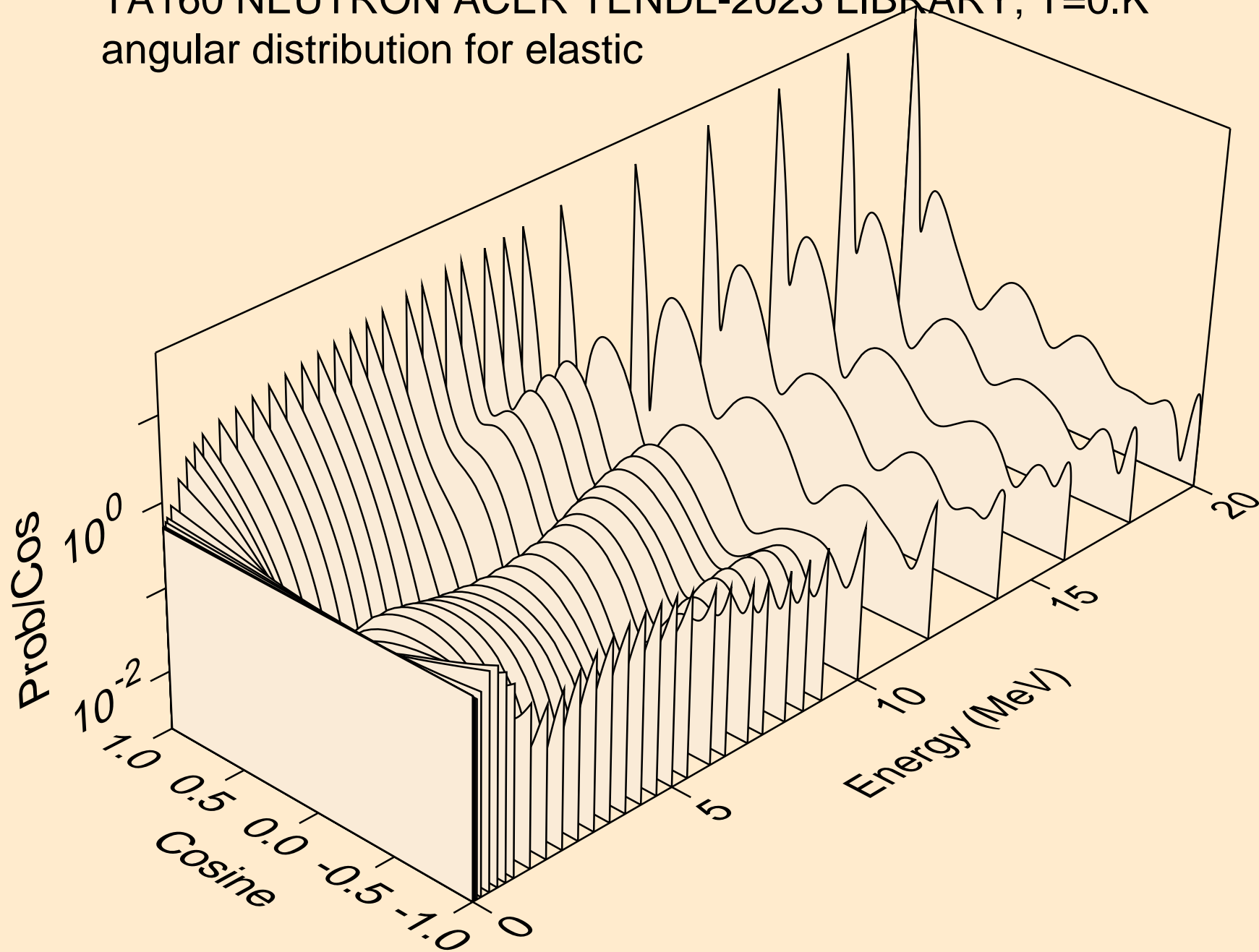
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Threshold reactions



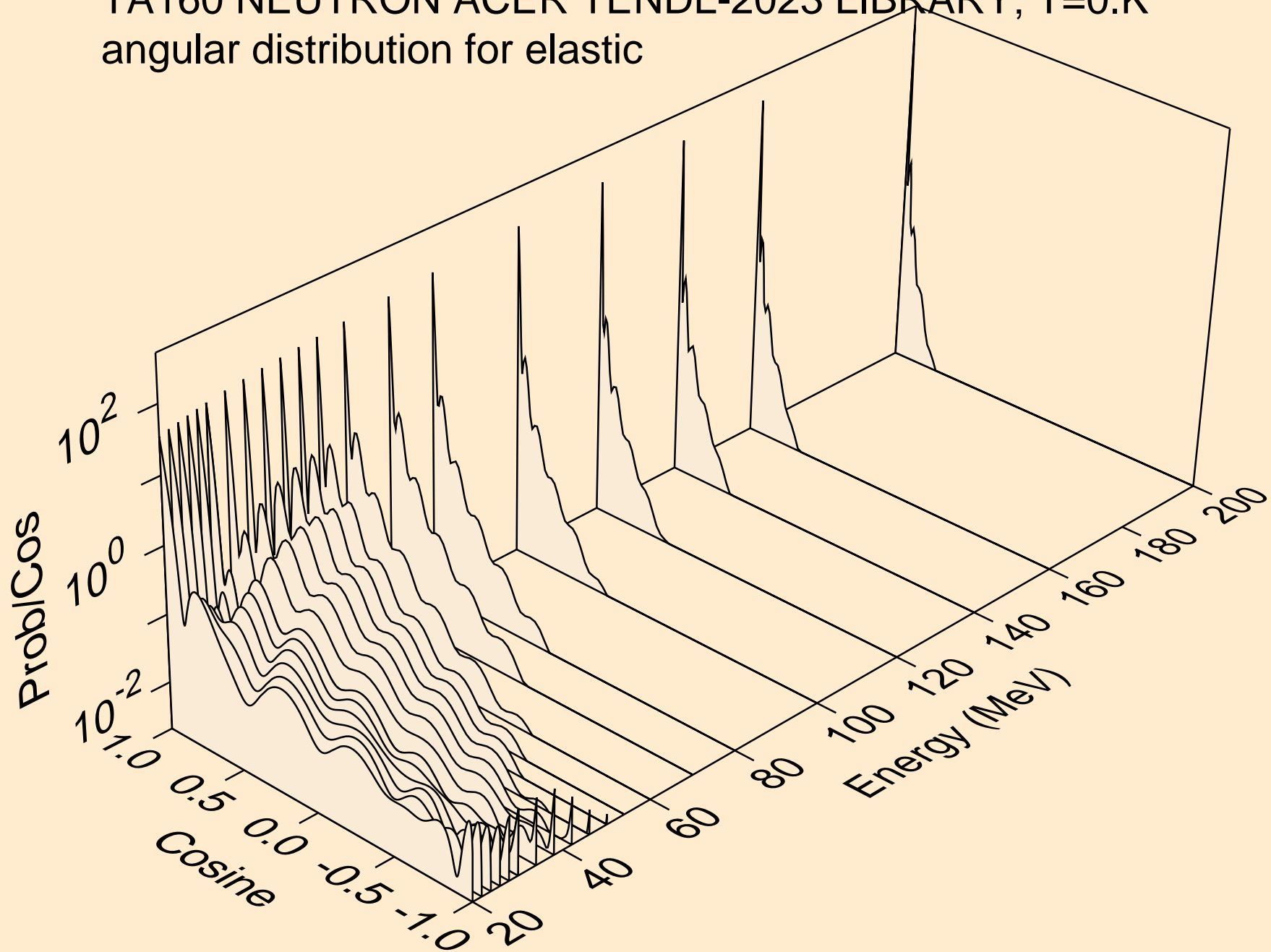
TA160 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



TA160 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic

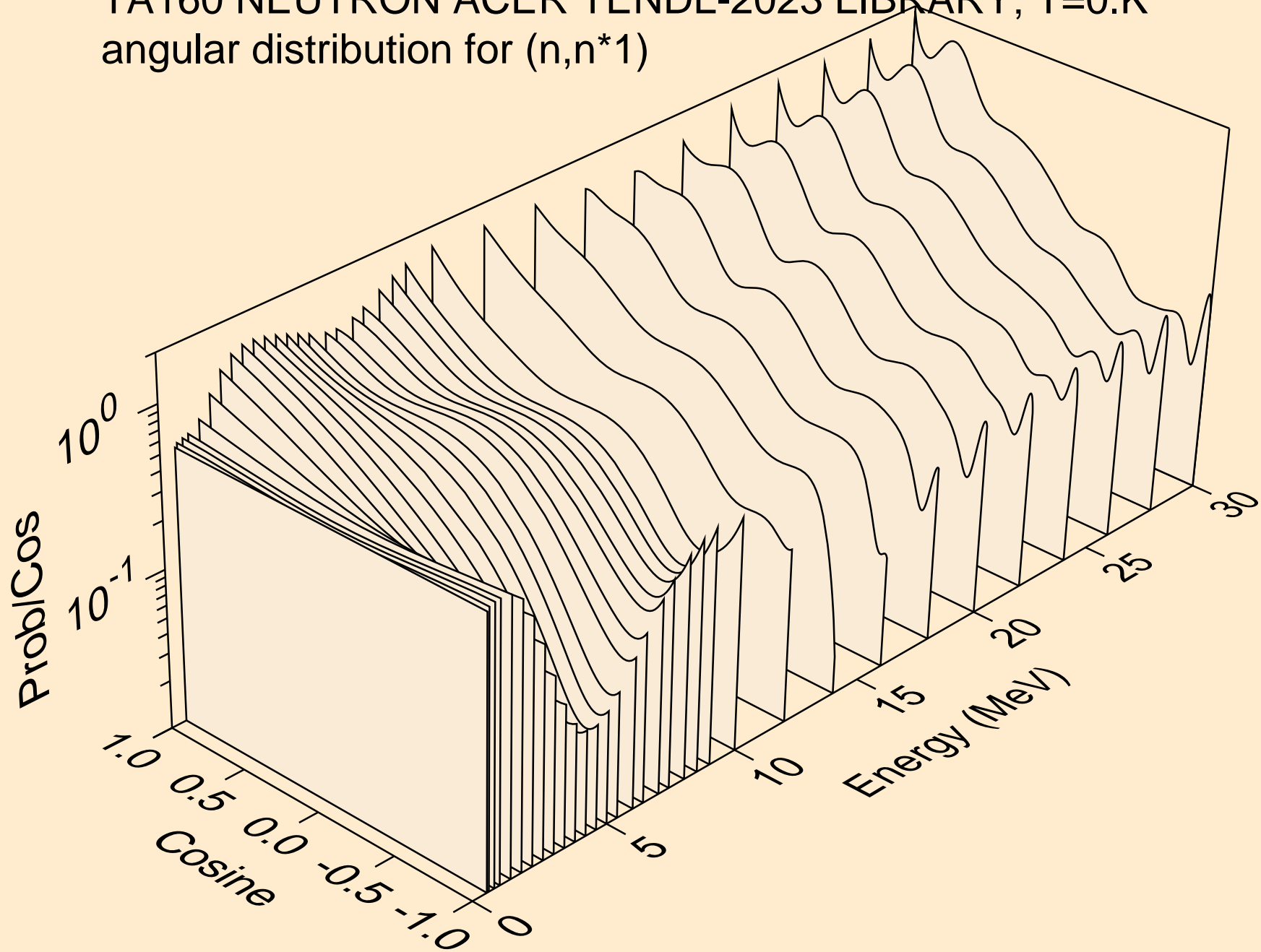


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angular distribution for elastic

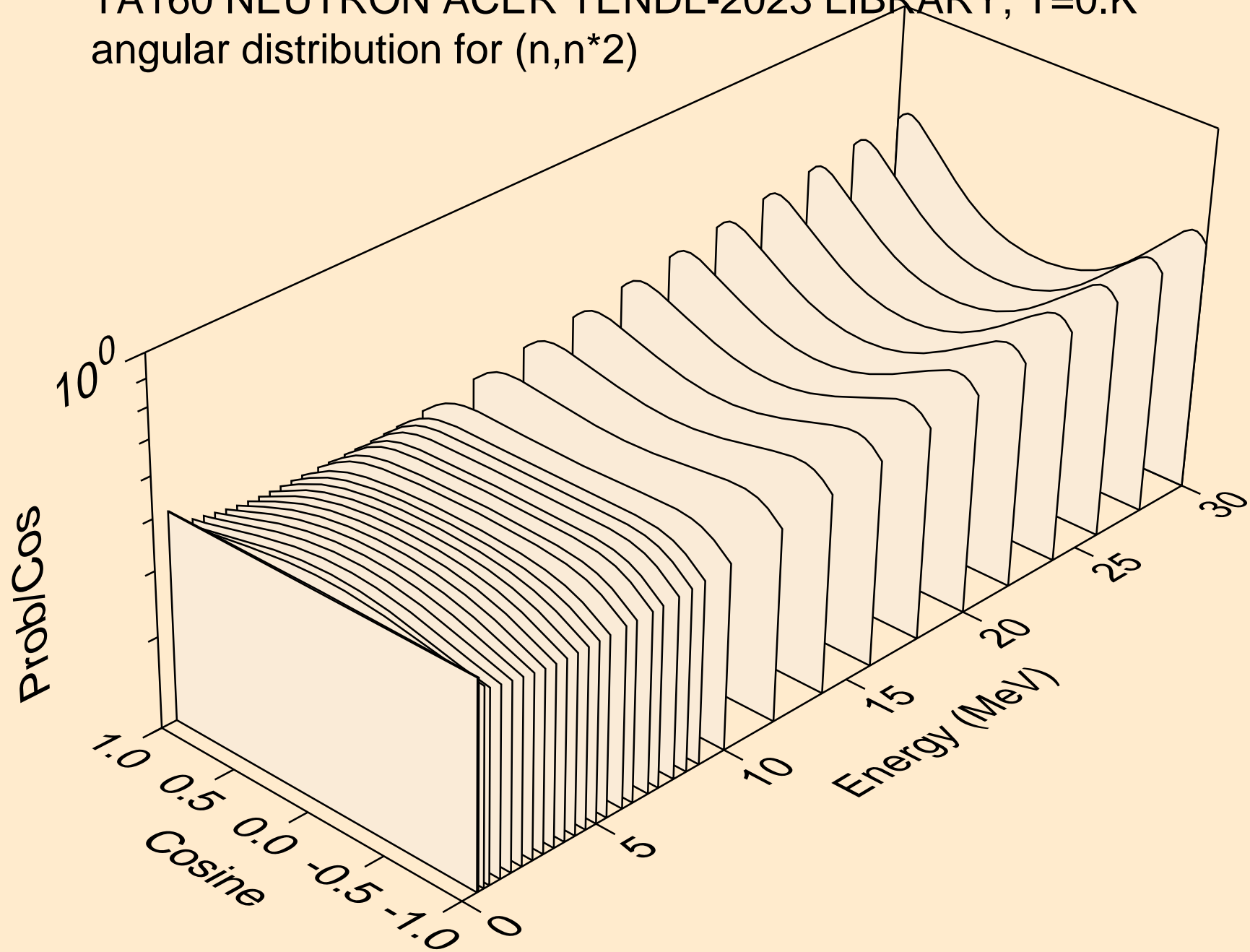




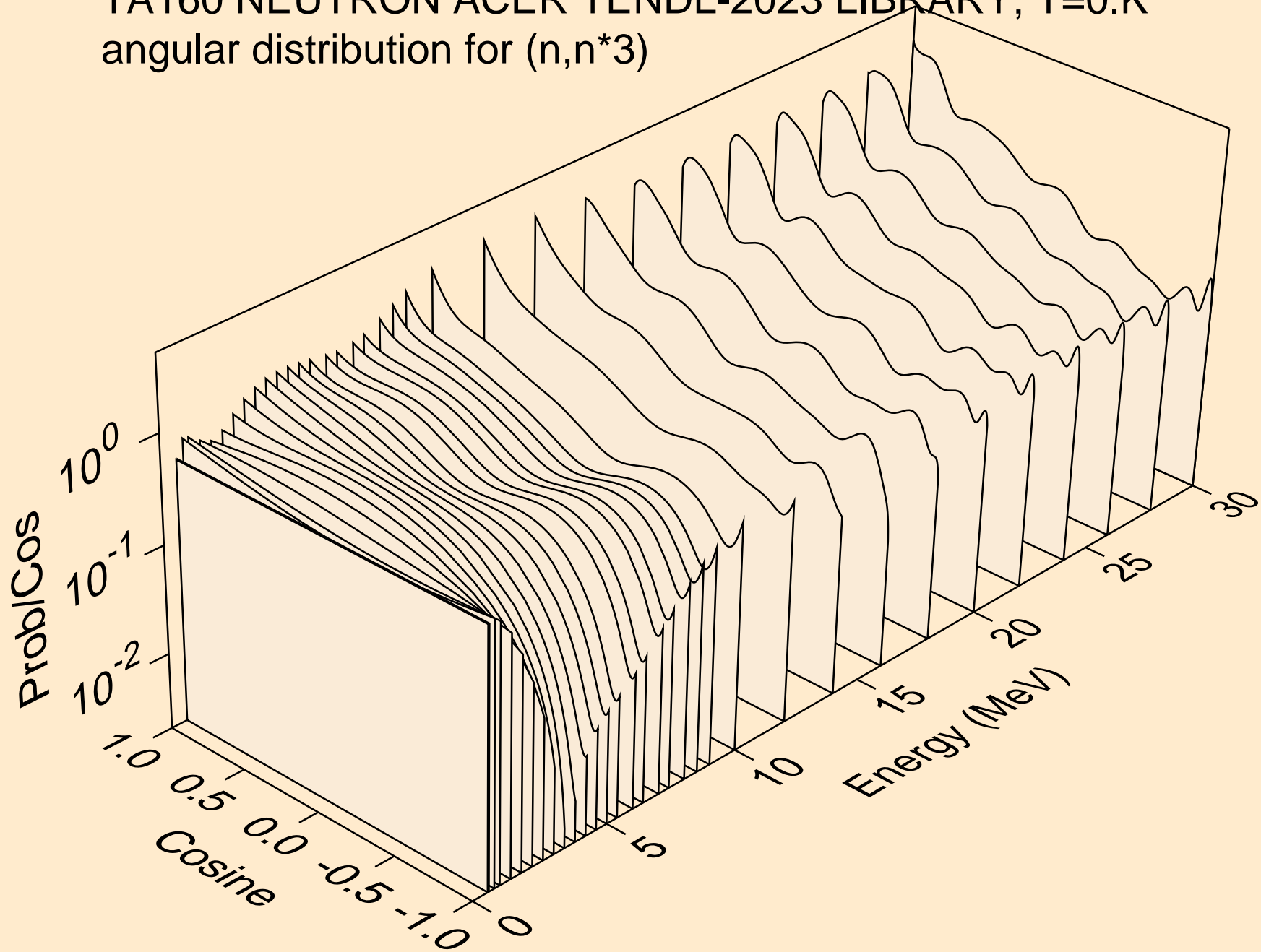
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angular distribution for (n,n\*1)



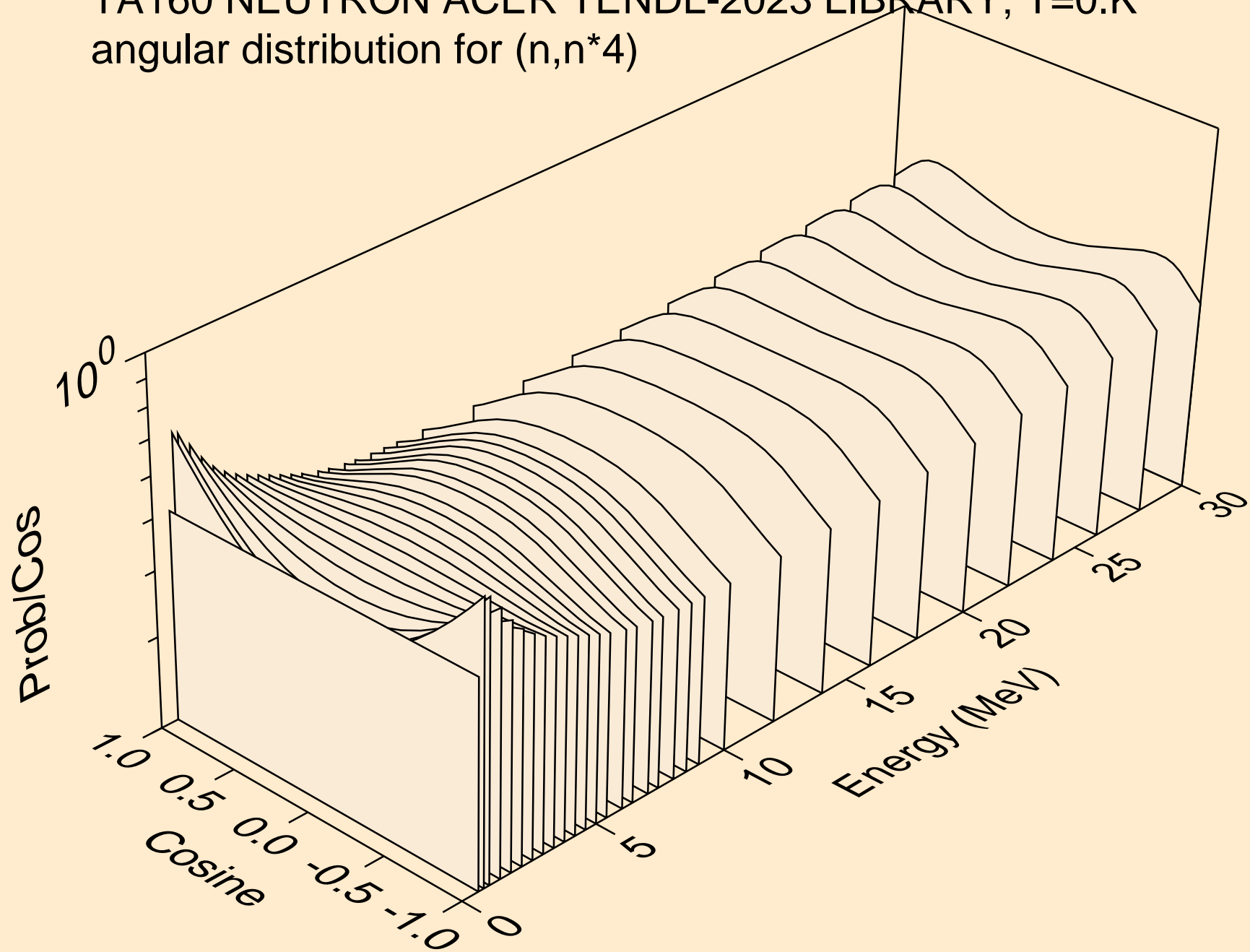
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angular distribution for (n,n\*2)



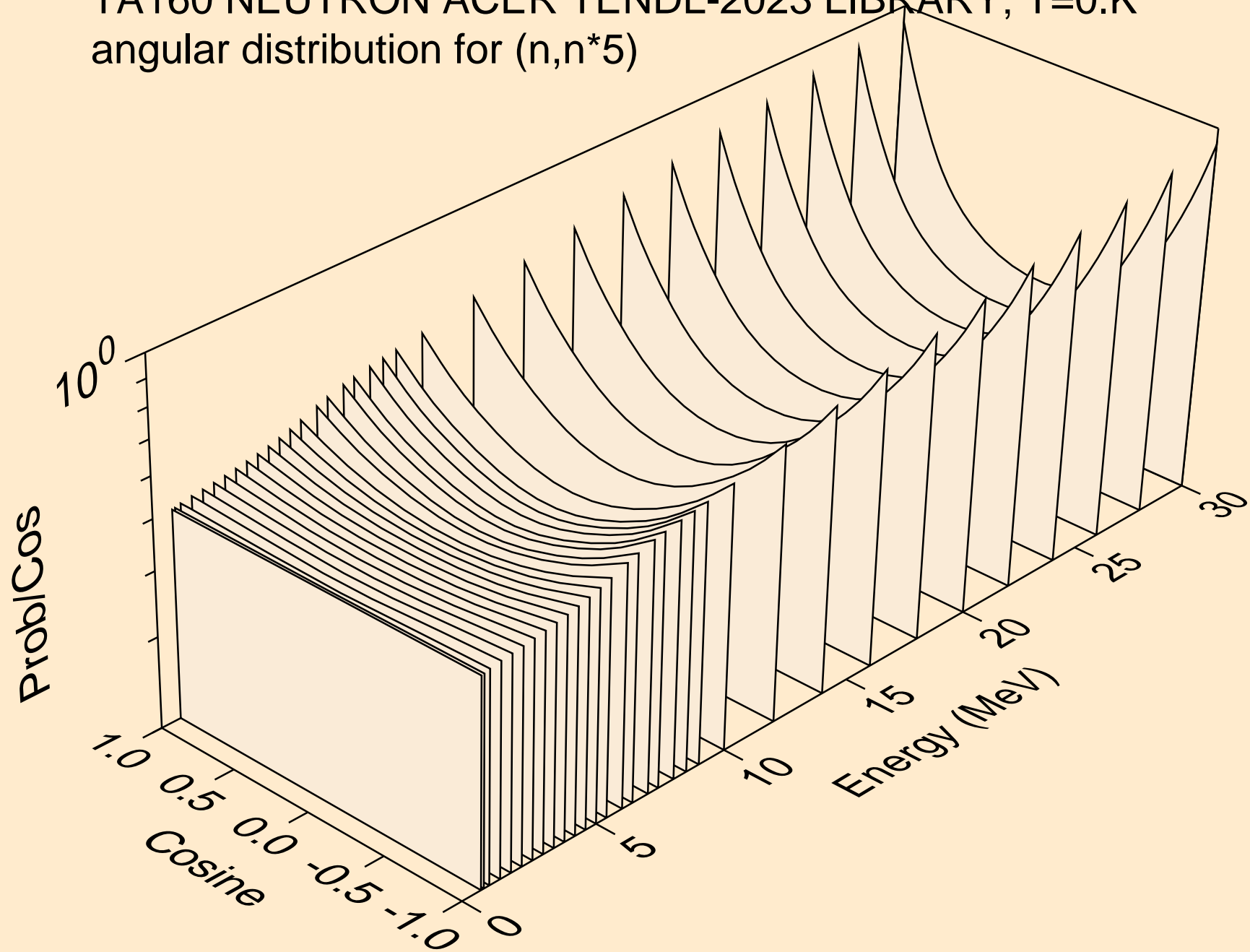
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angular distribution for (n,n\*3)



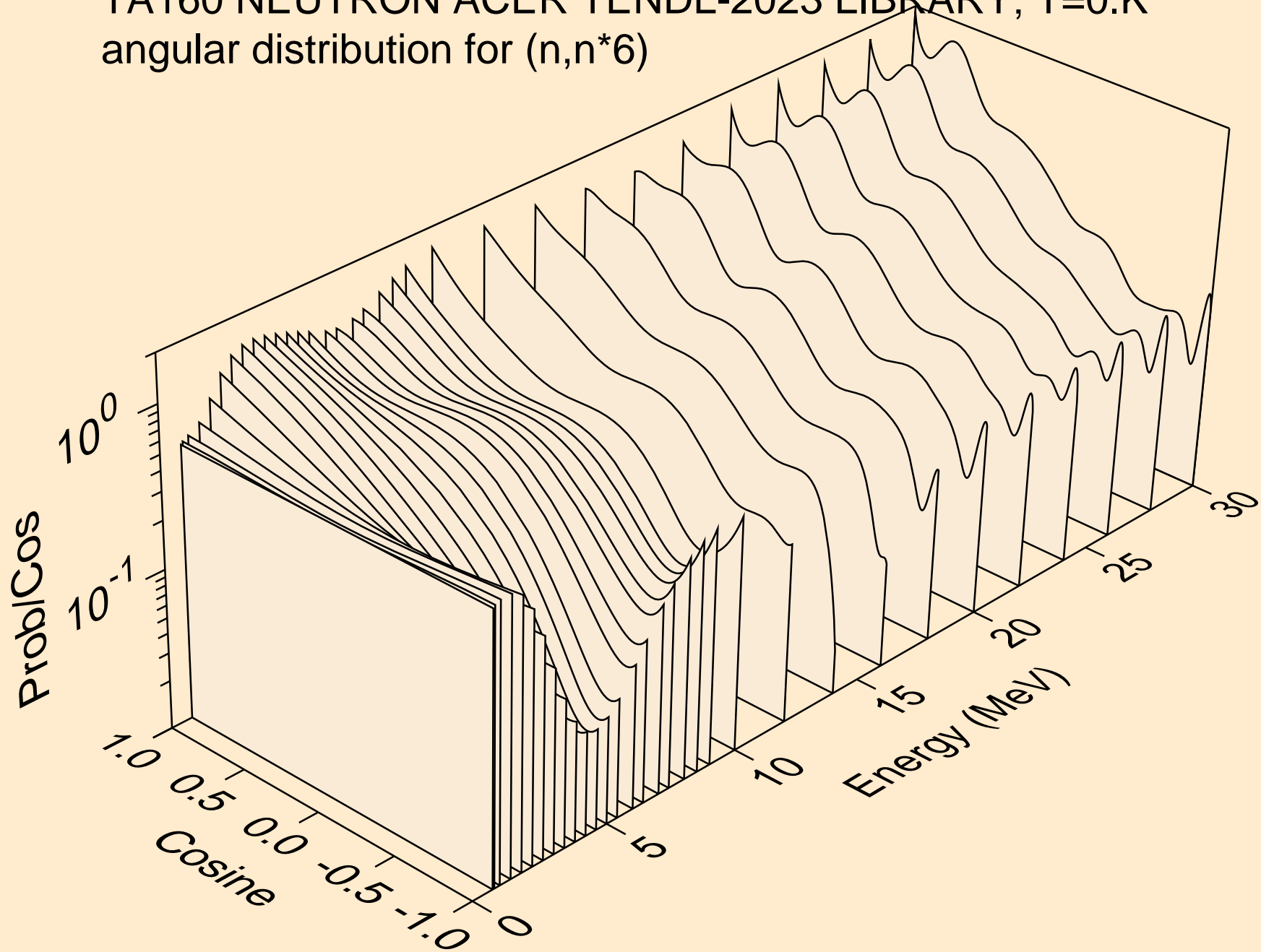
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angular distribution for (n,n\*4)



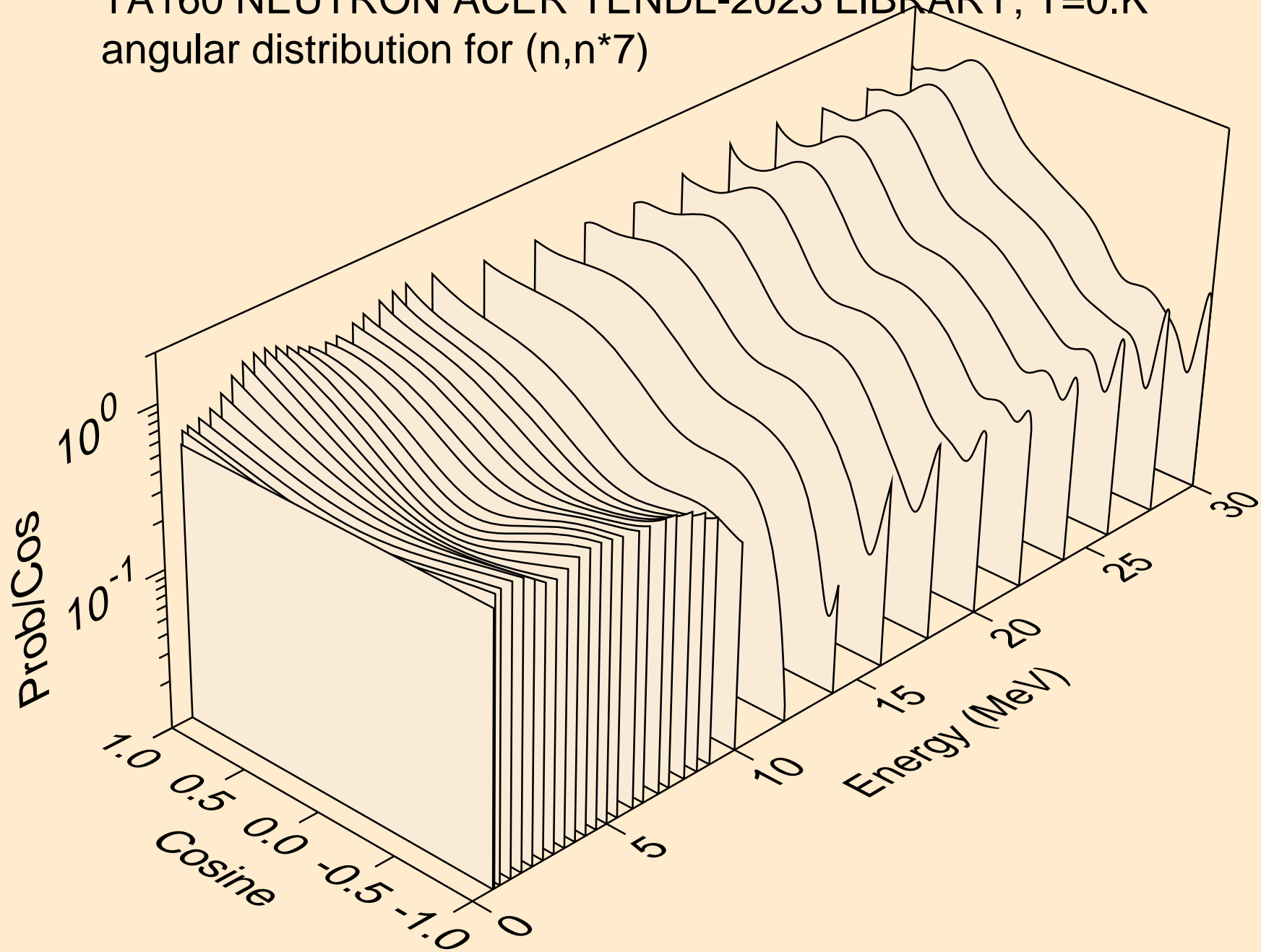
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angular distribution for (n,n\*5)



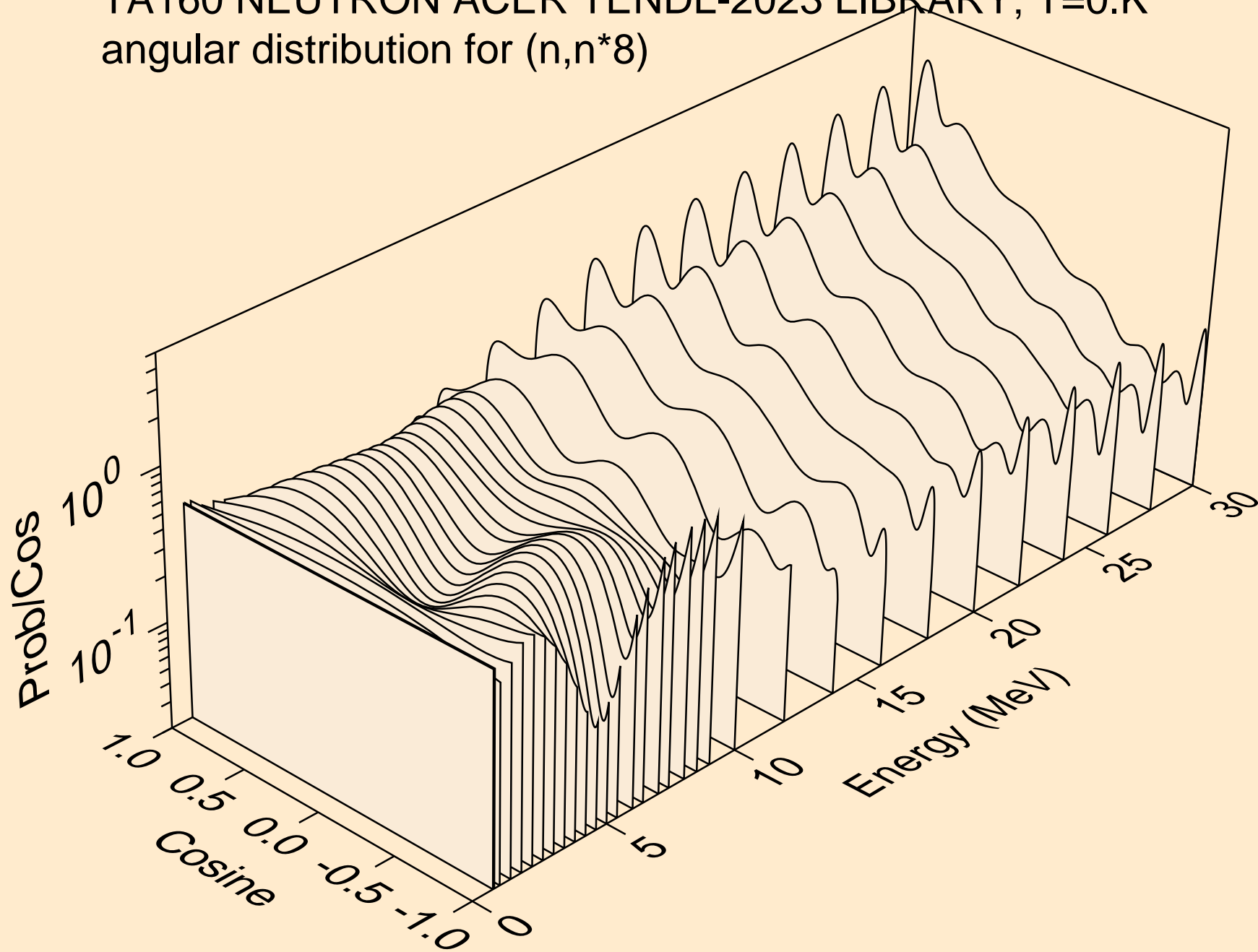
TA160 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*6)



TA160 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*7)

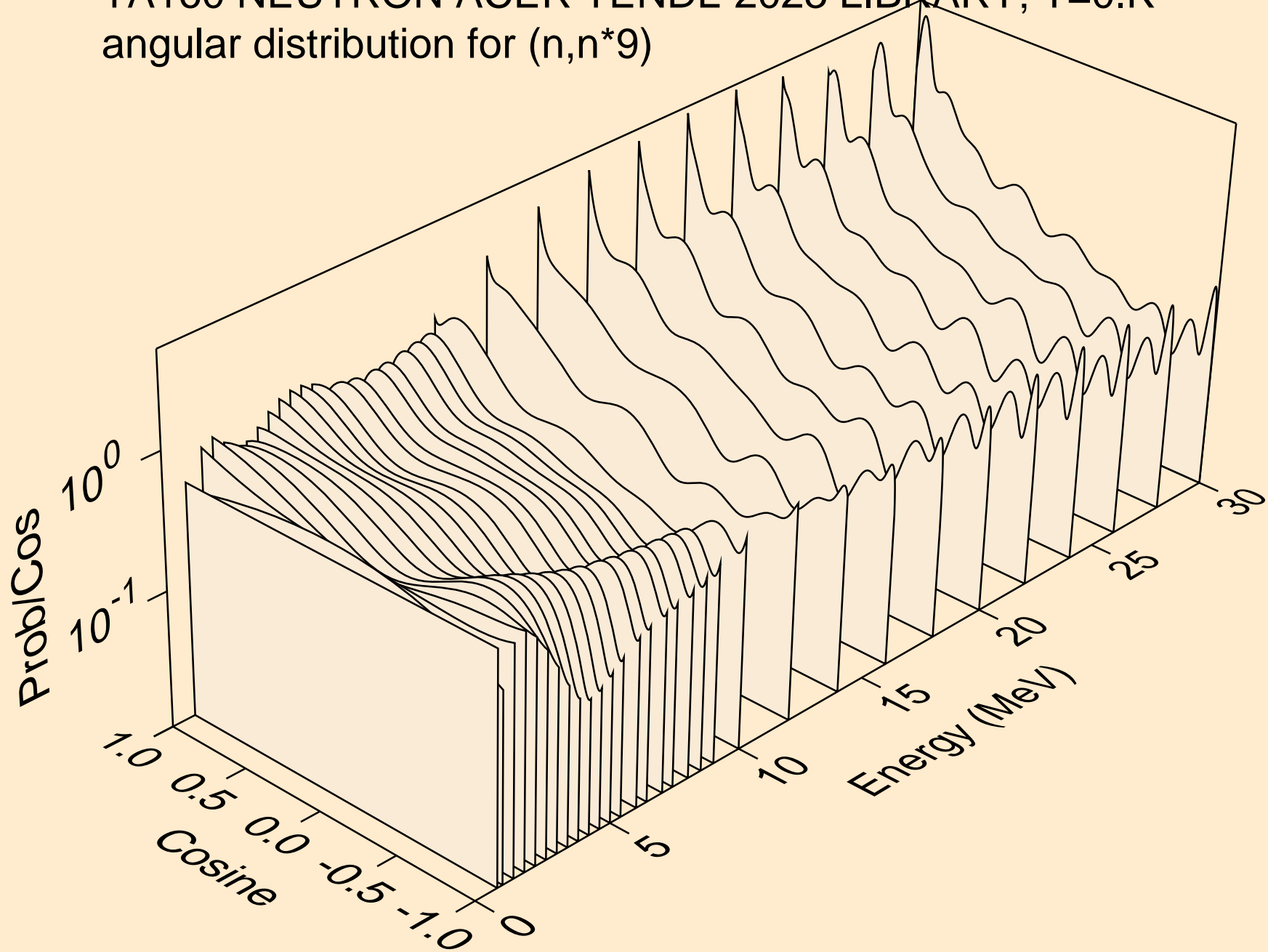


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angular distribution for (n,n\*8)

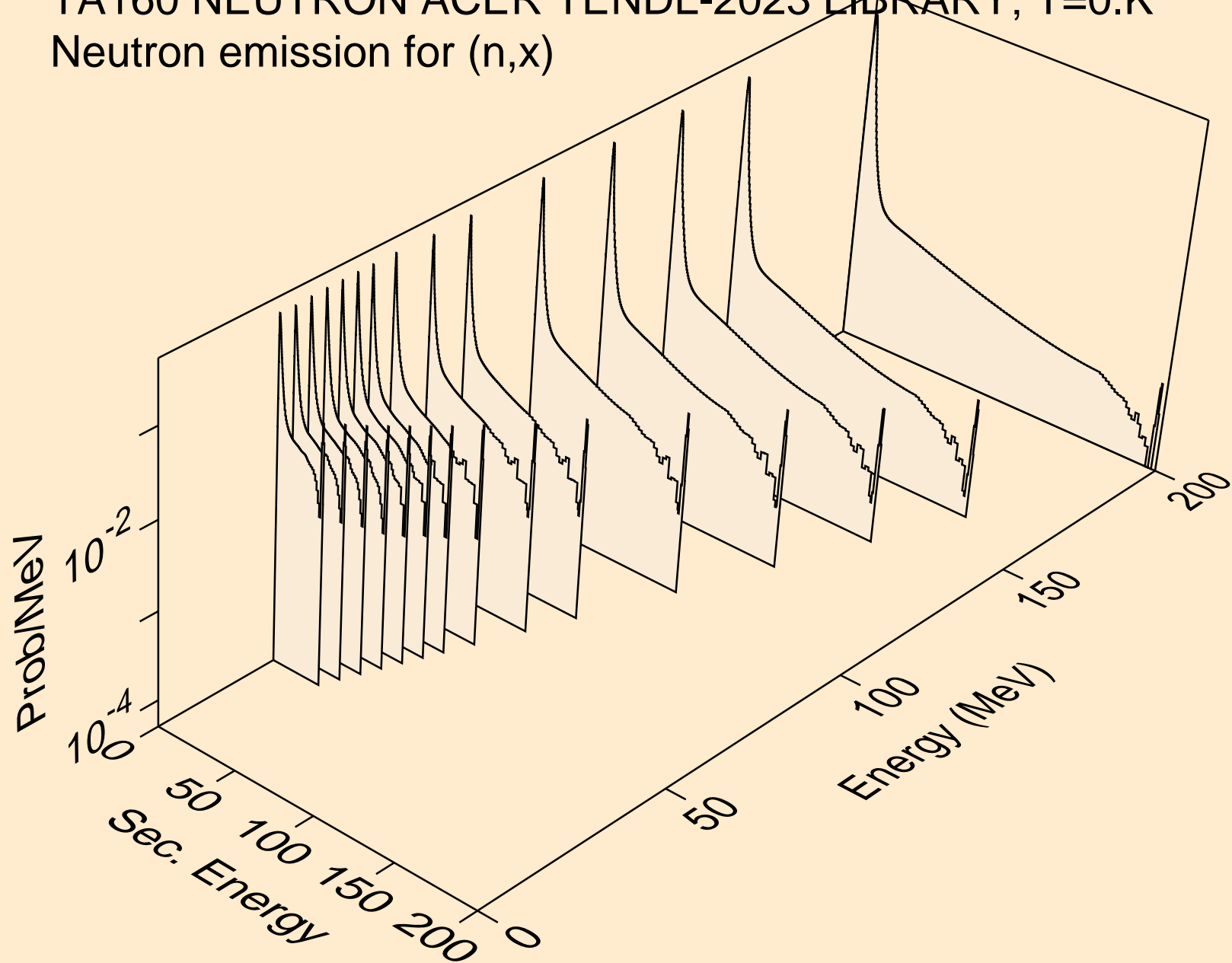




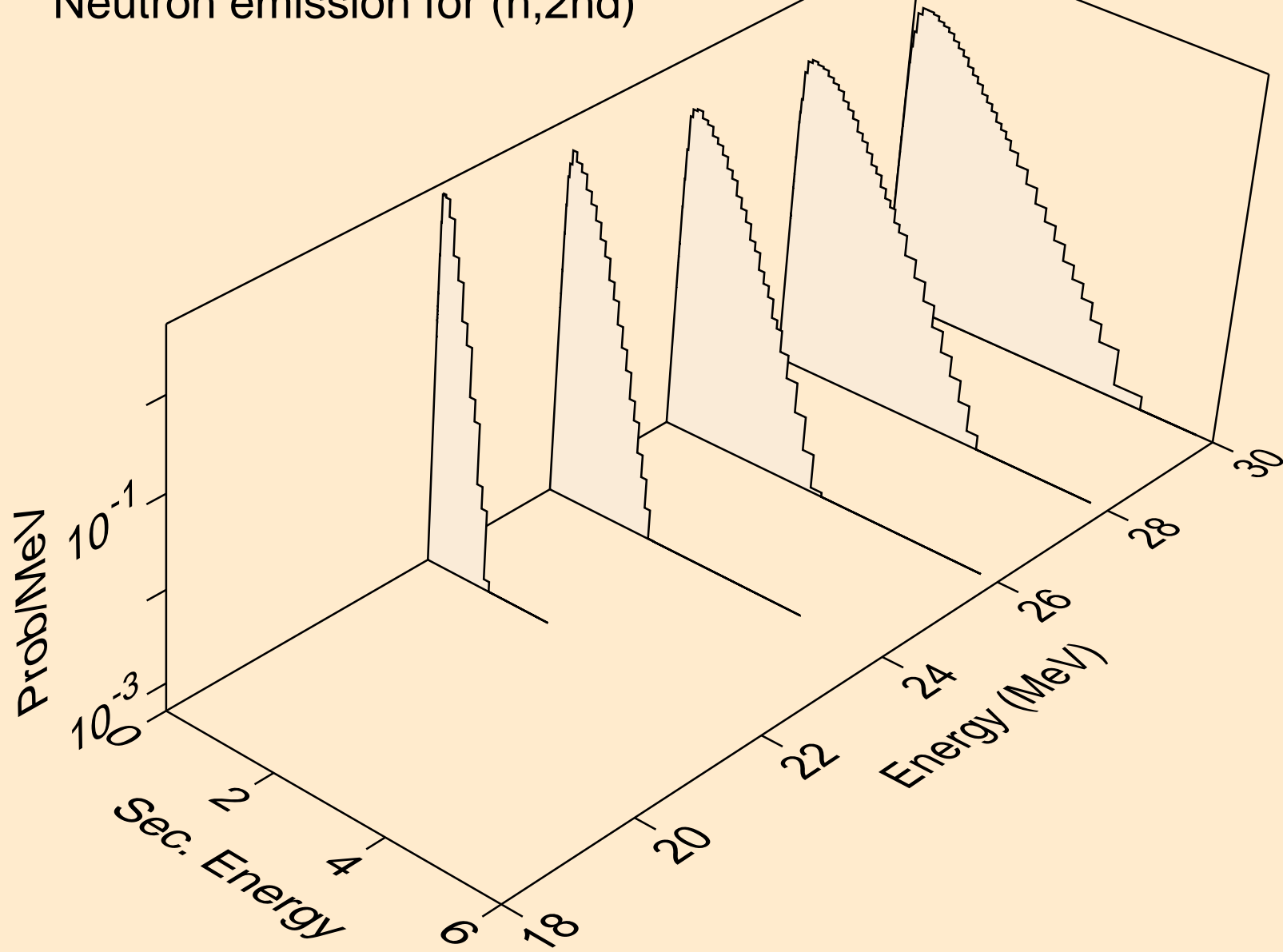
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angular distribution for (n,n\*9)



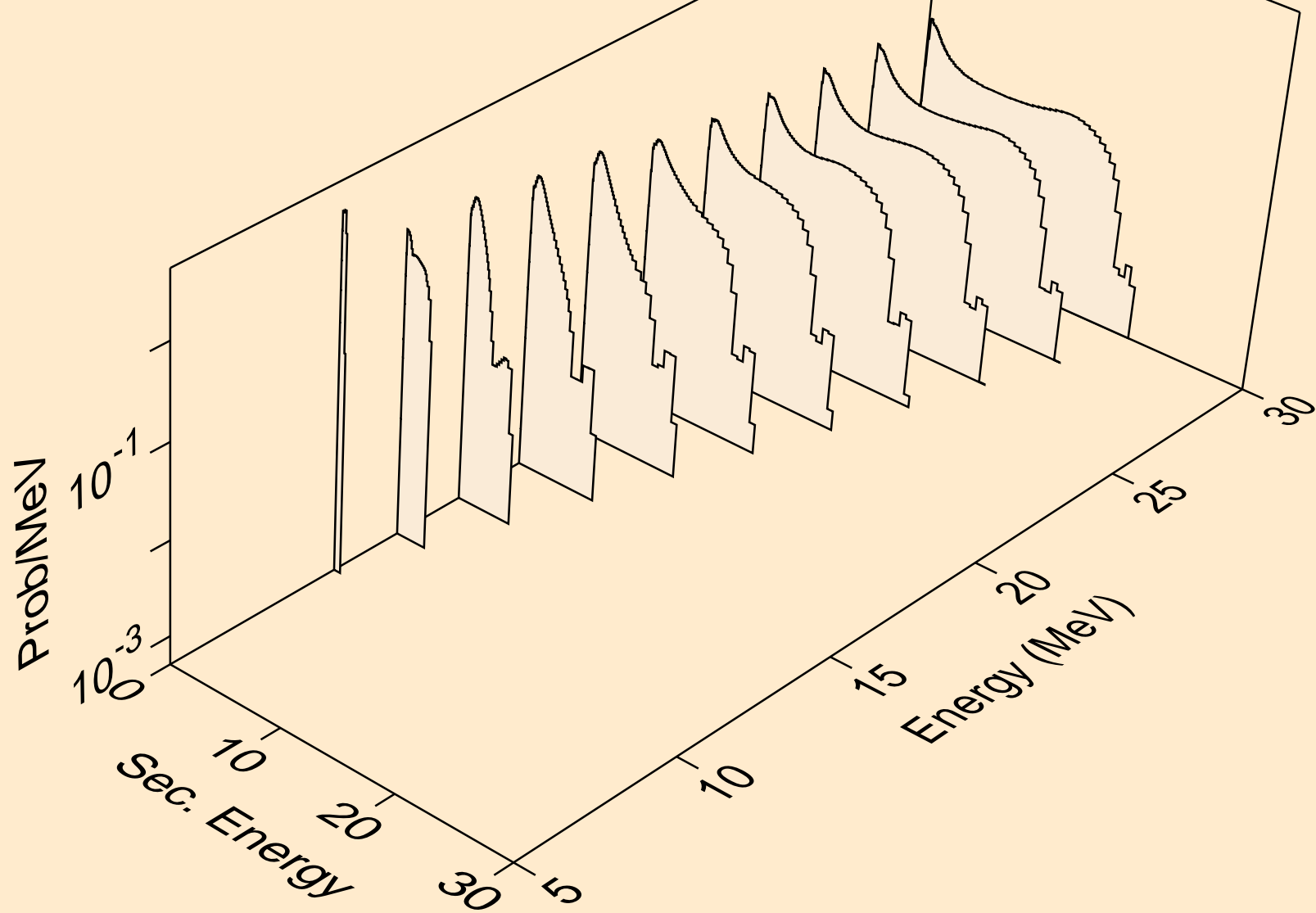
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Neutron emission for (n,x)



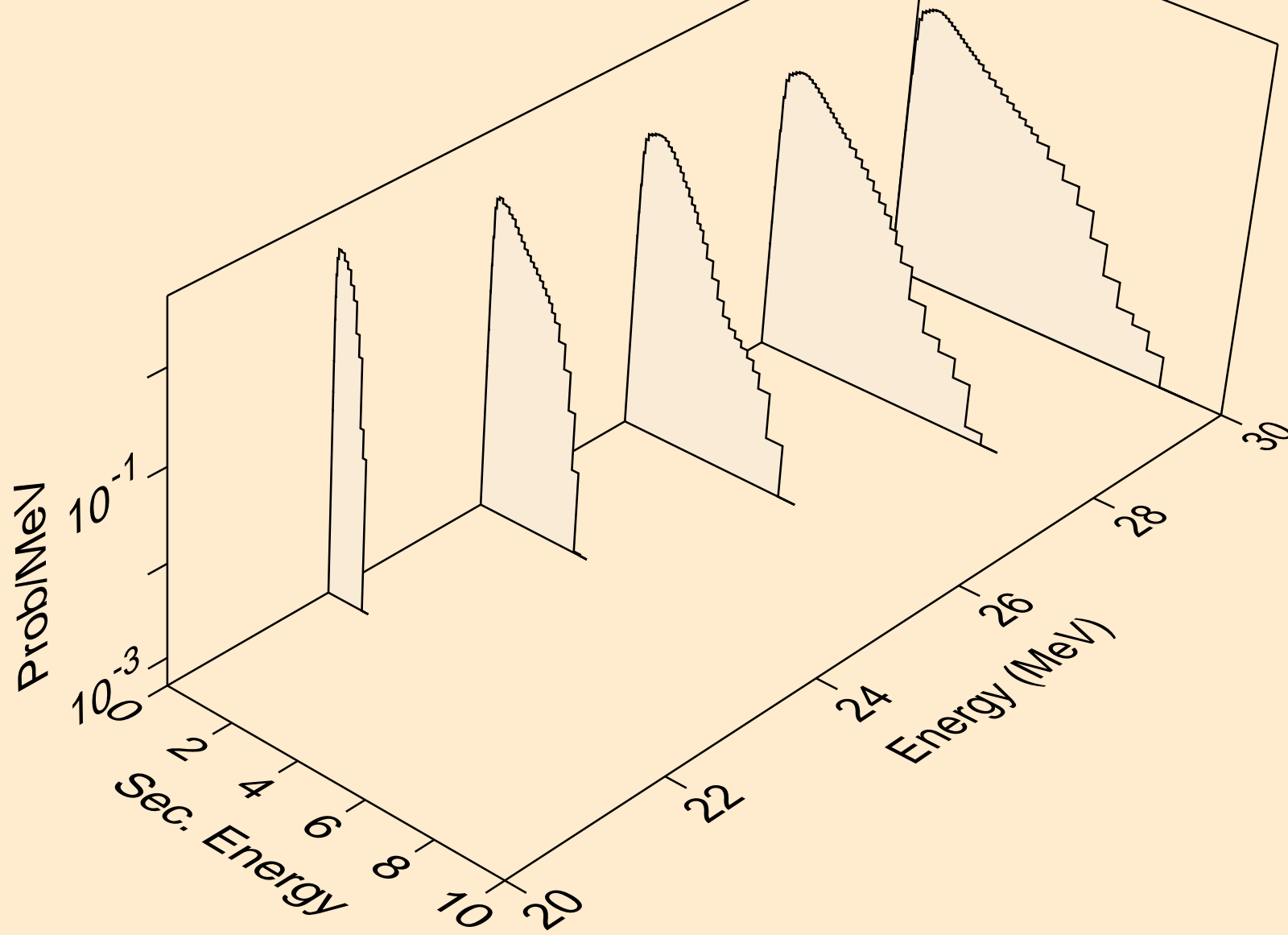
TA160 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



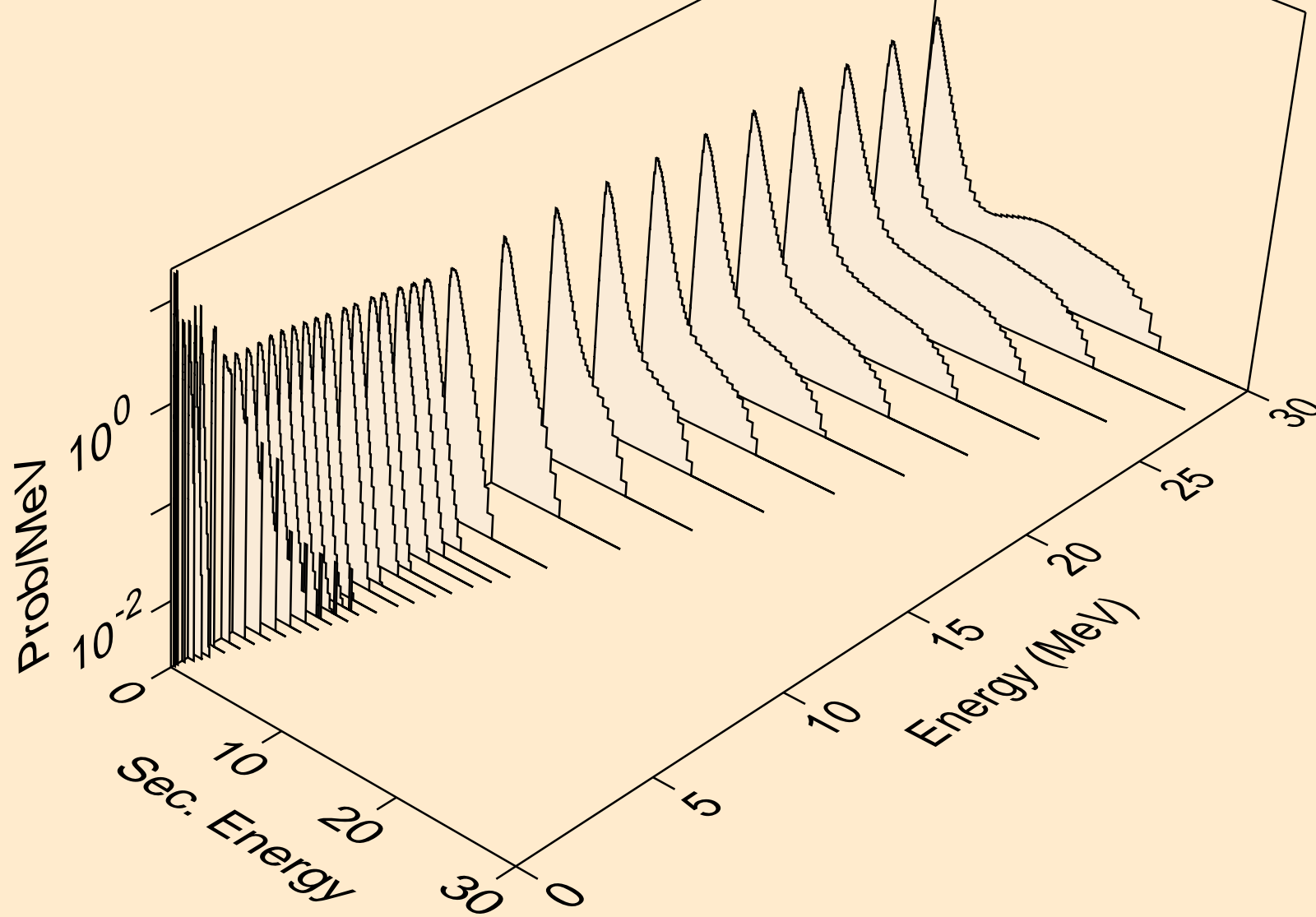
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Neutron emission for (n,2n)



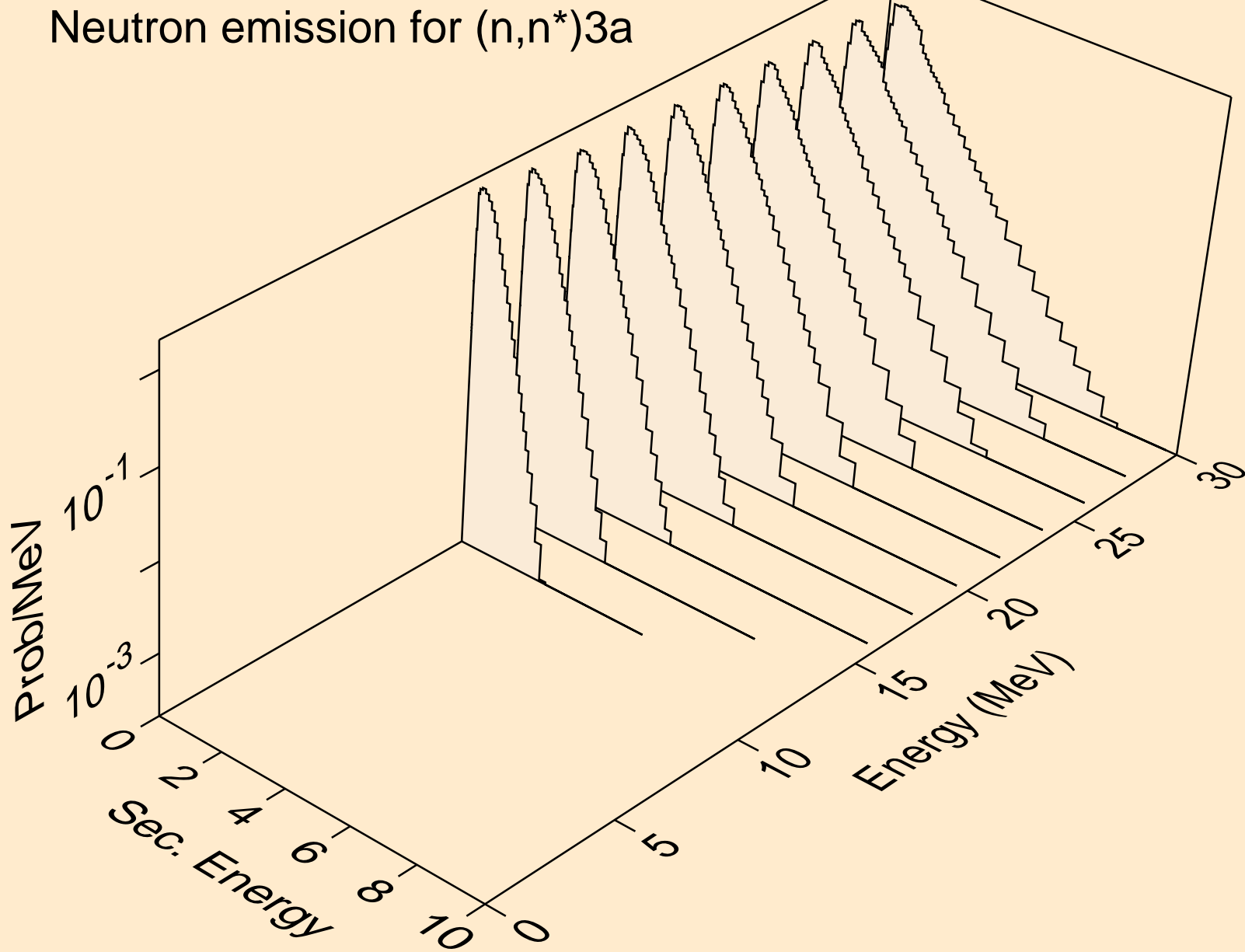
TA160 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)



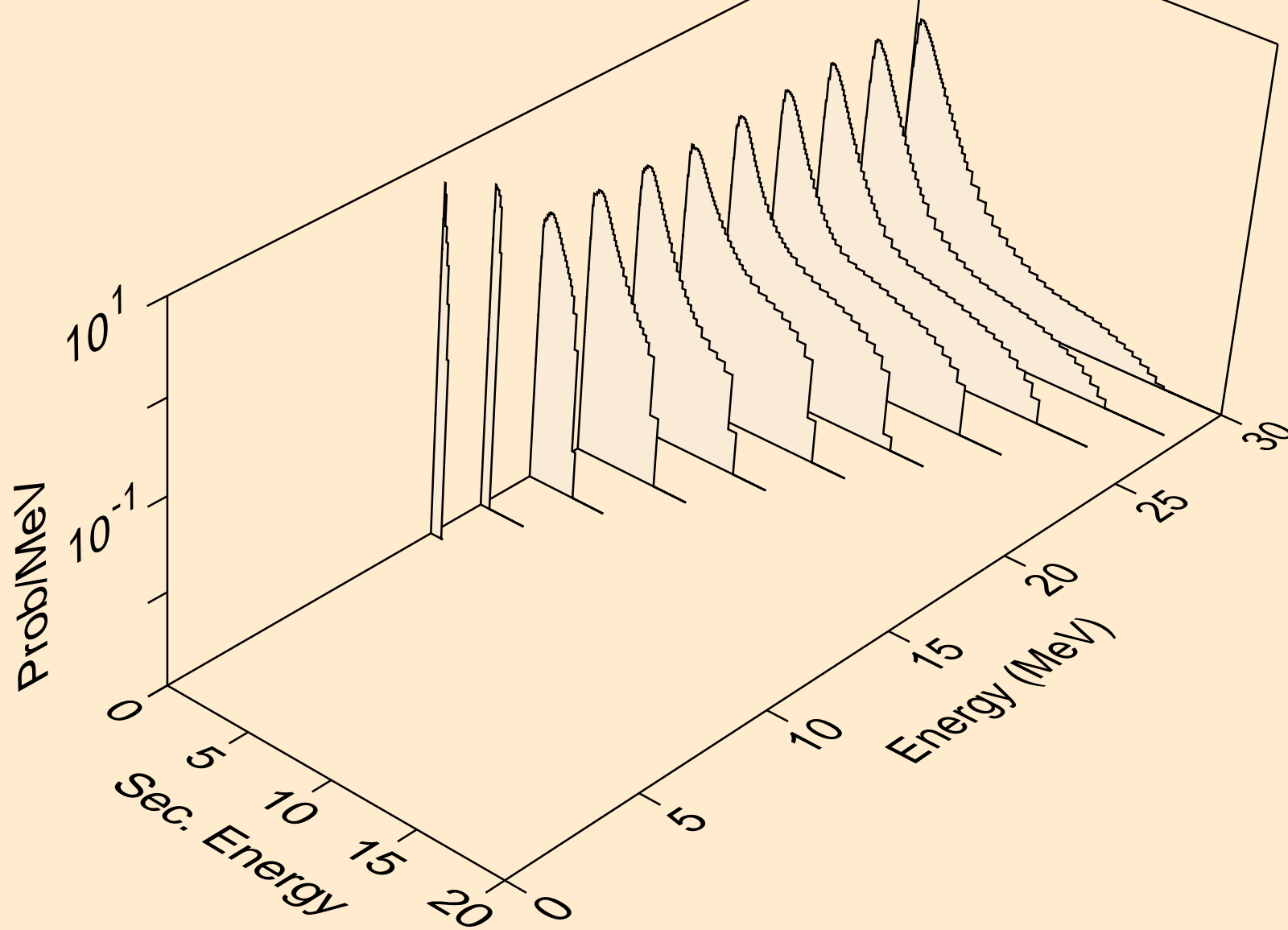
TA160 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



TA160 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)3a

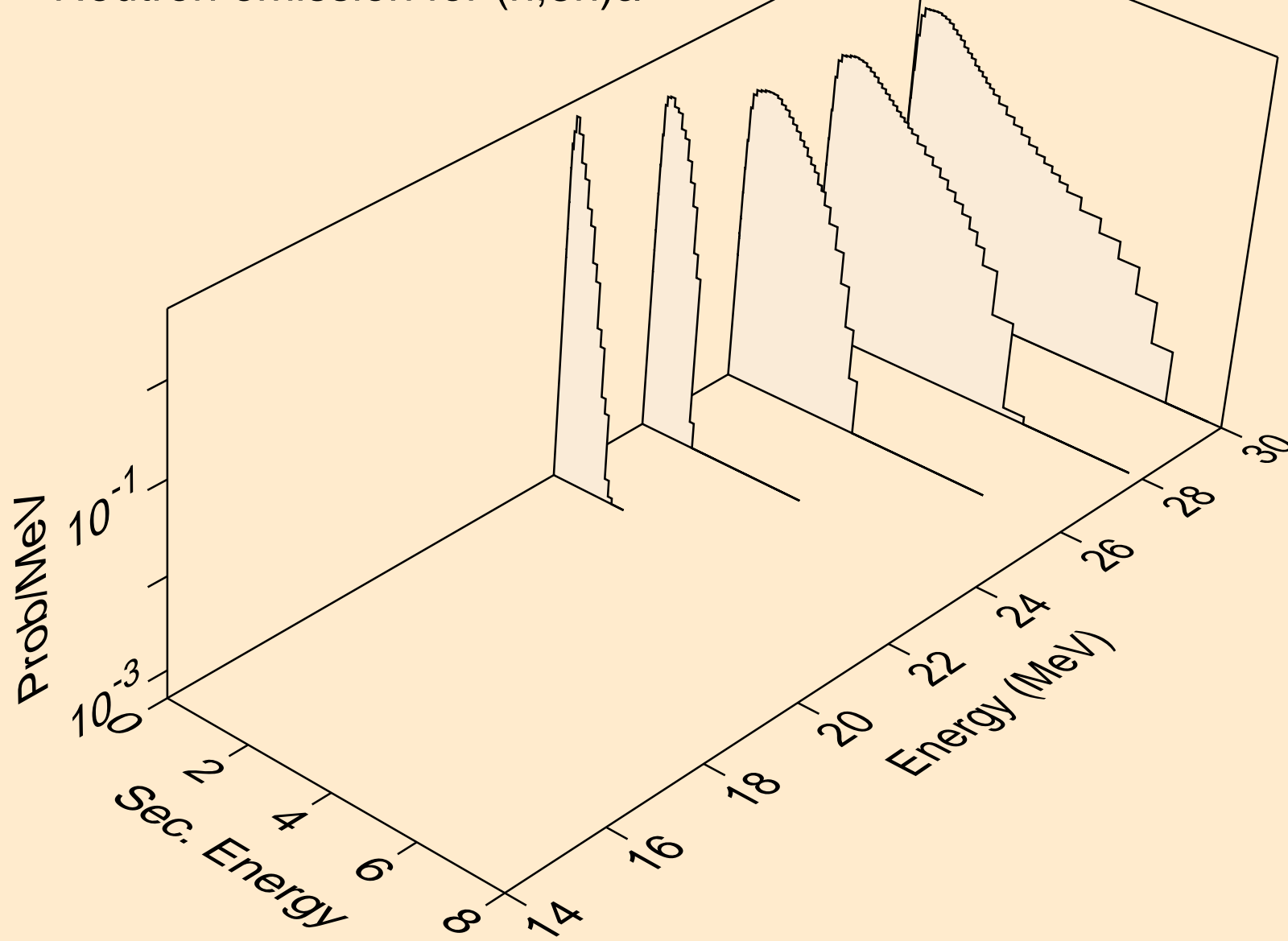


TA160 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)a

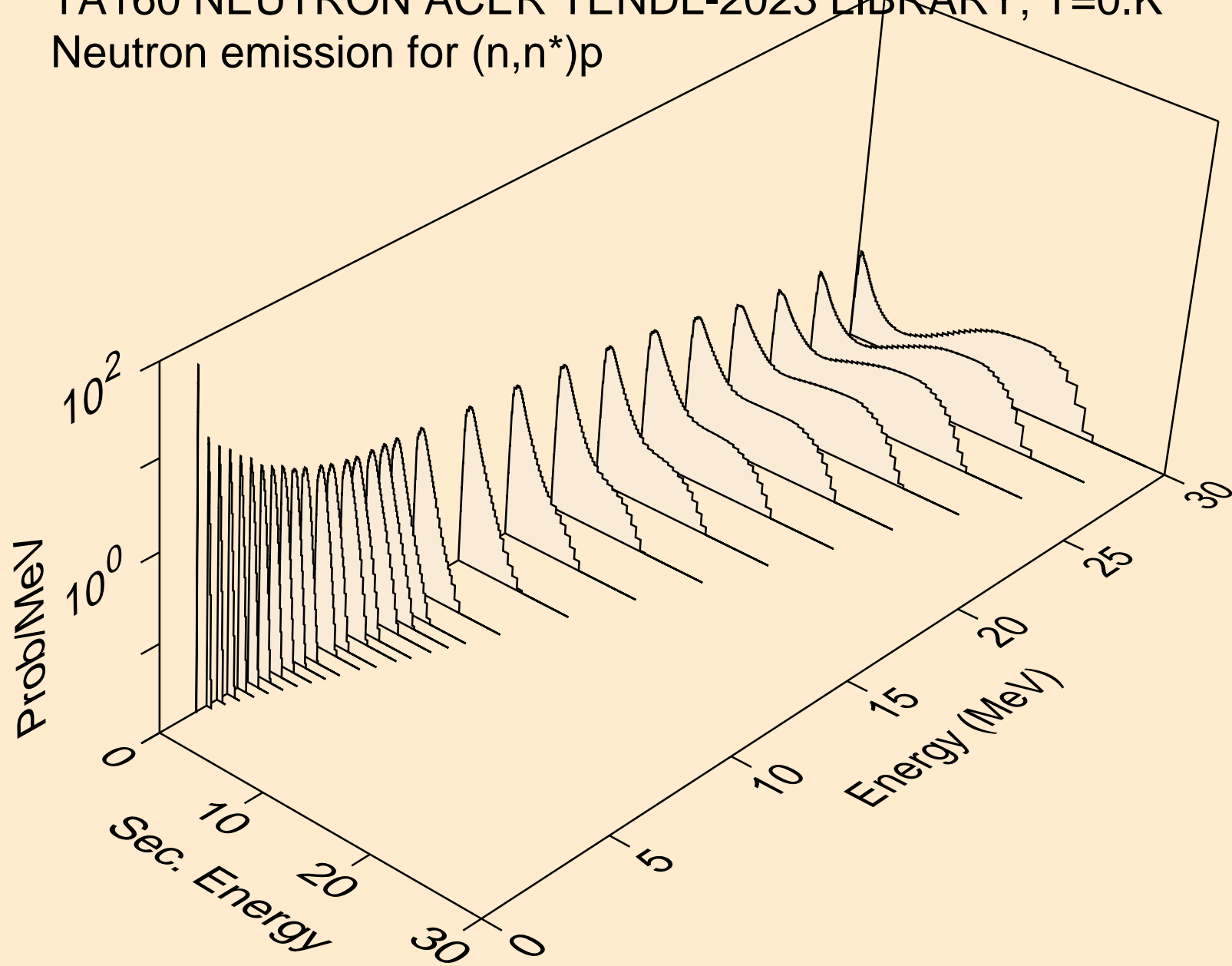




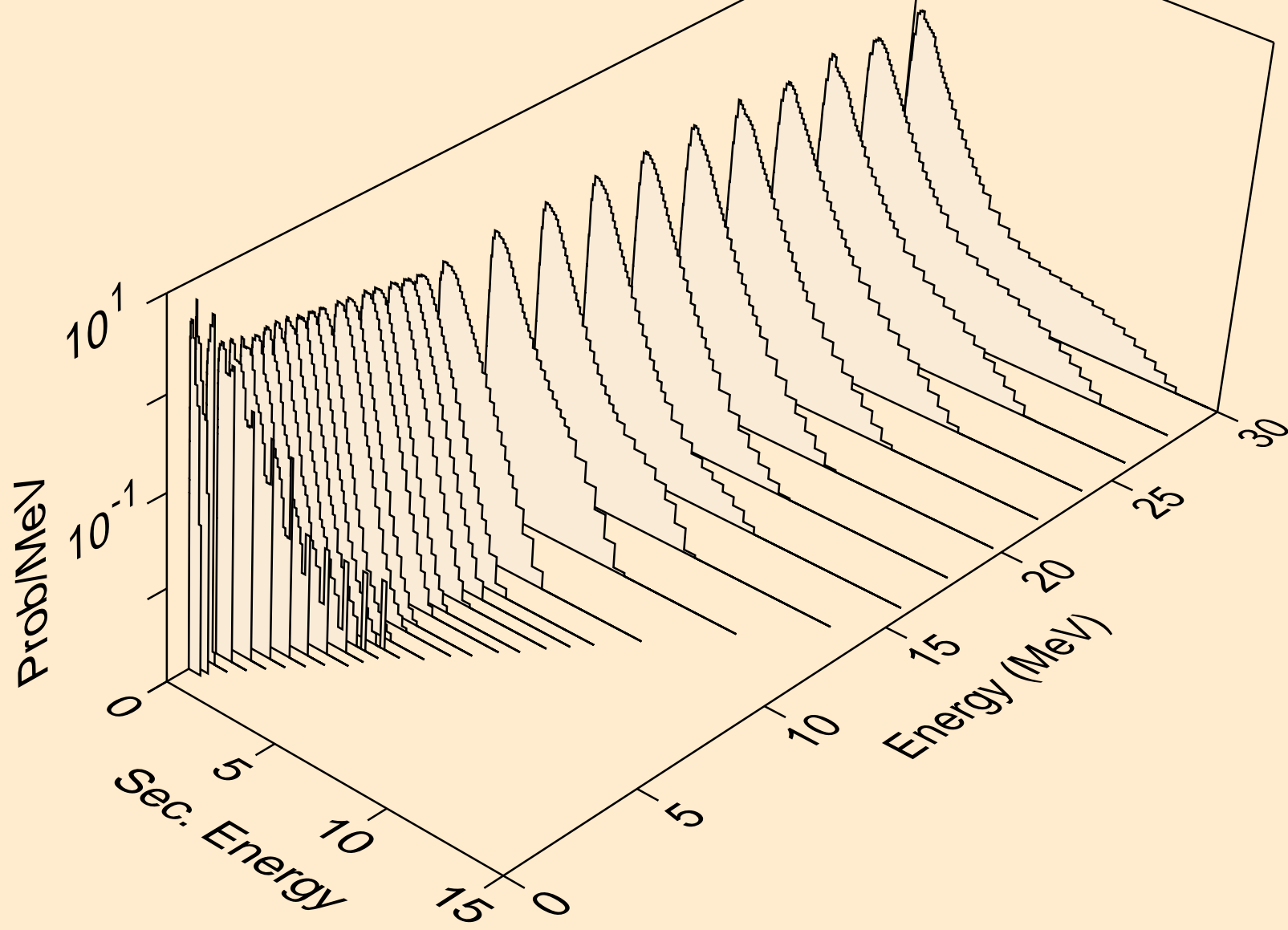
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Neutron emission for (n,3n)a



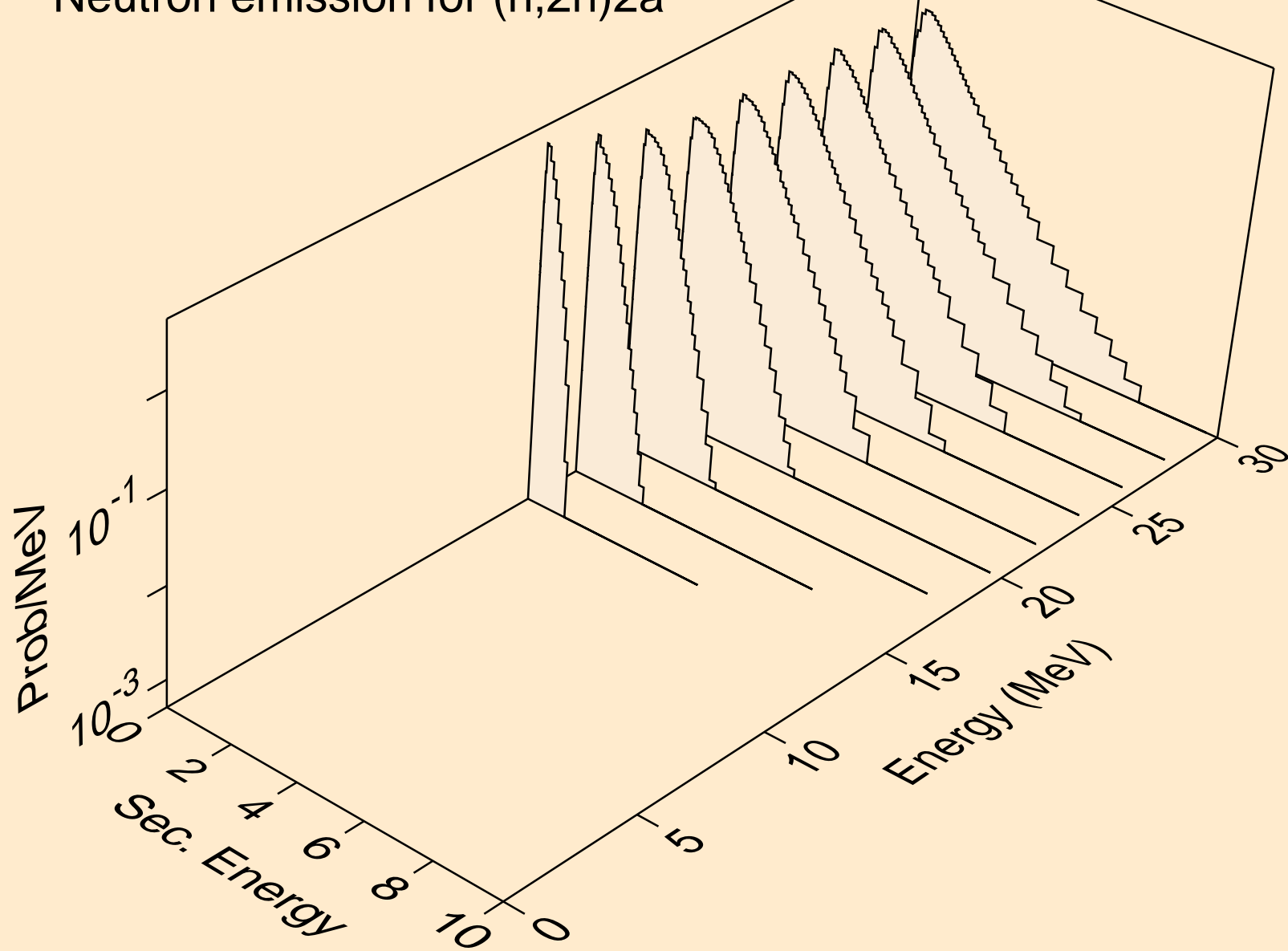
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Neutron emission for (n,n\*)p



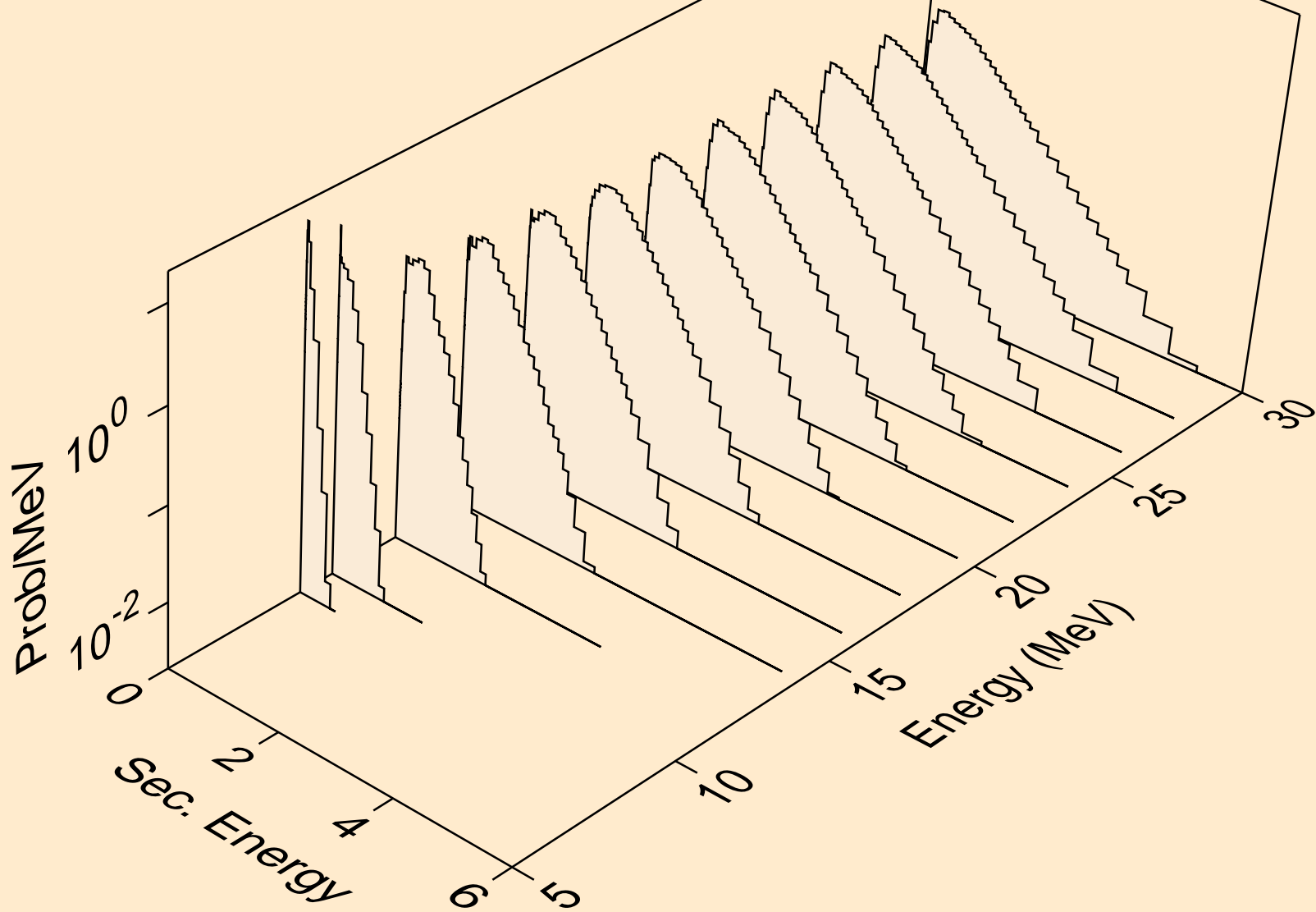
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Neutron emission for (n,n\*)2a



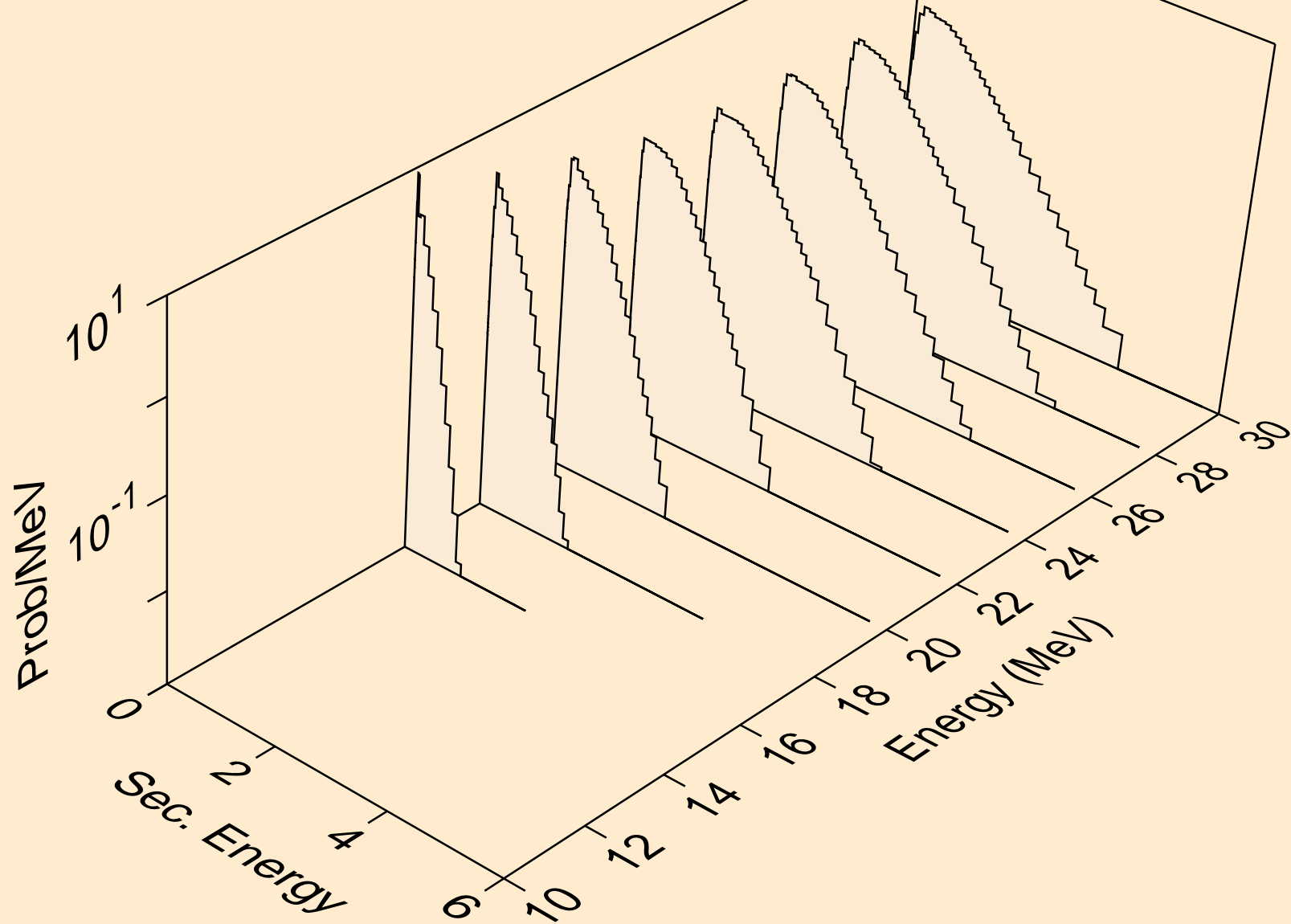
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Neutron emission for (n,2n)2a



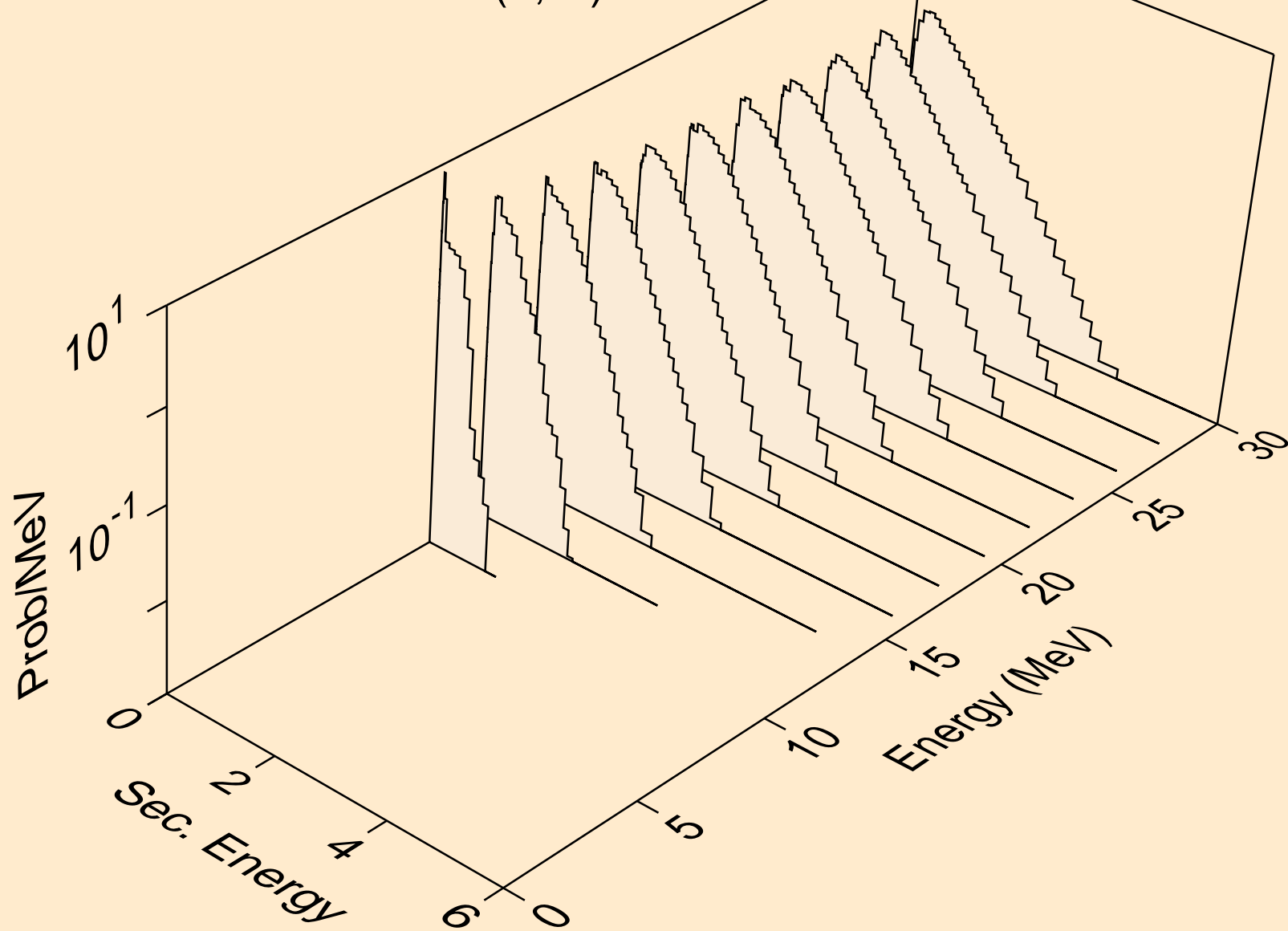
TA160 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d



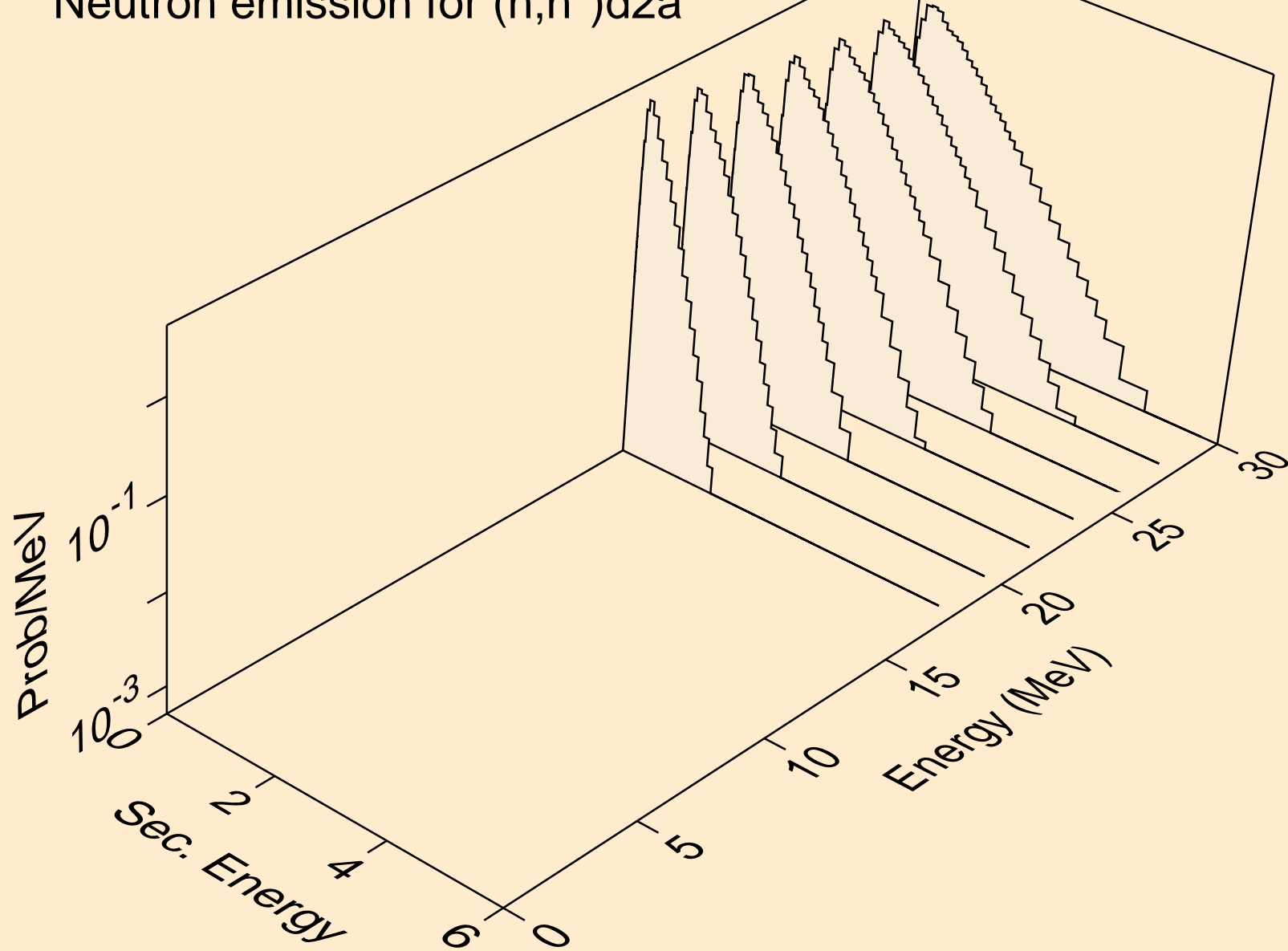
TA160 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



TA160 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3

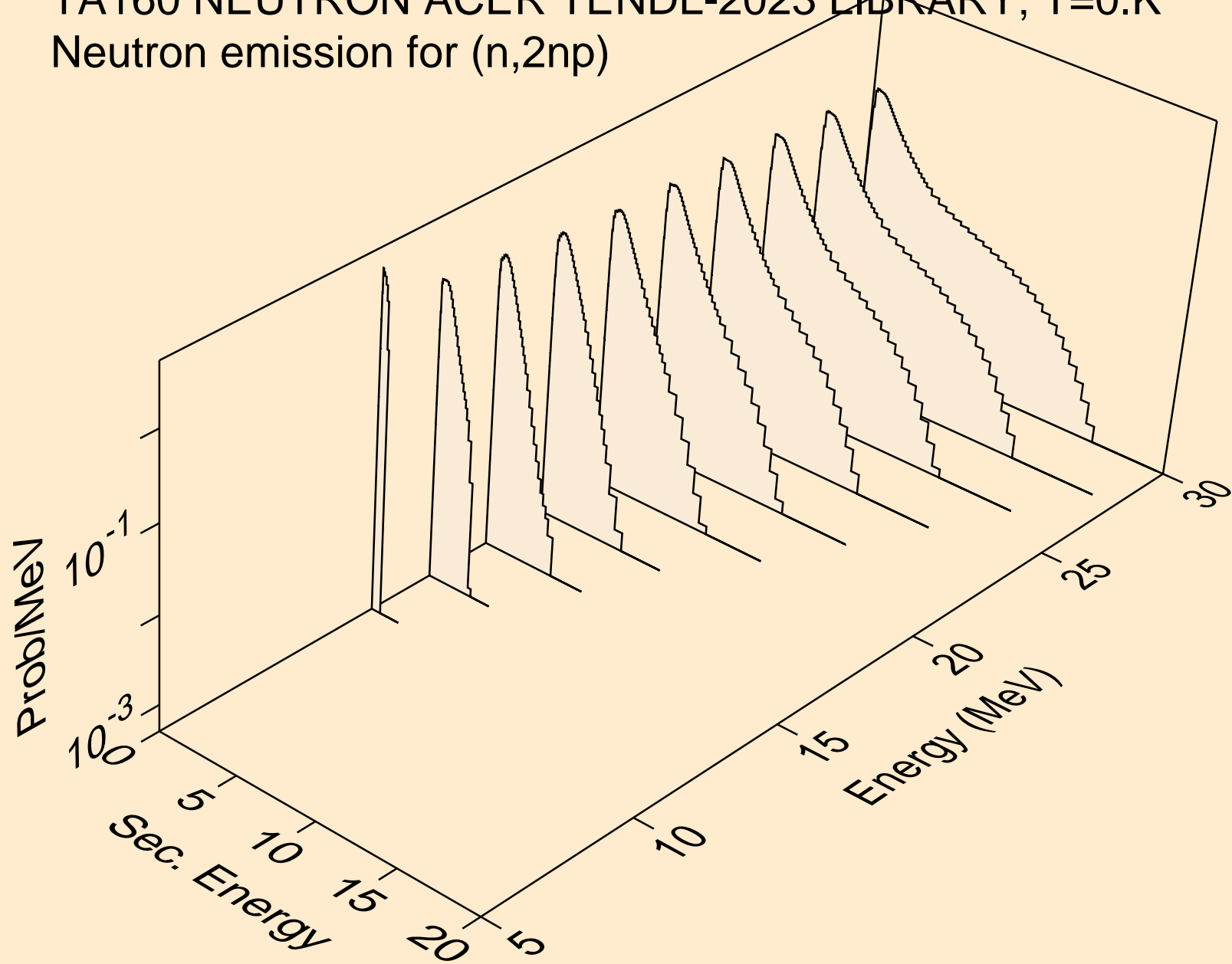


TA160 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d2a

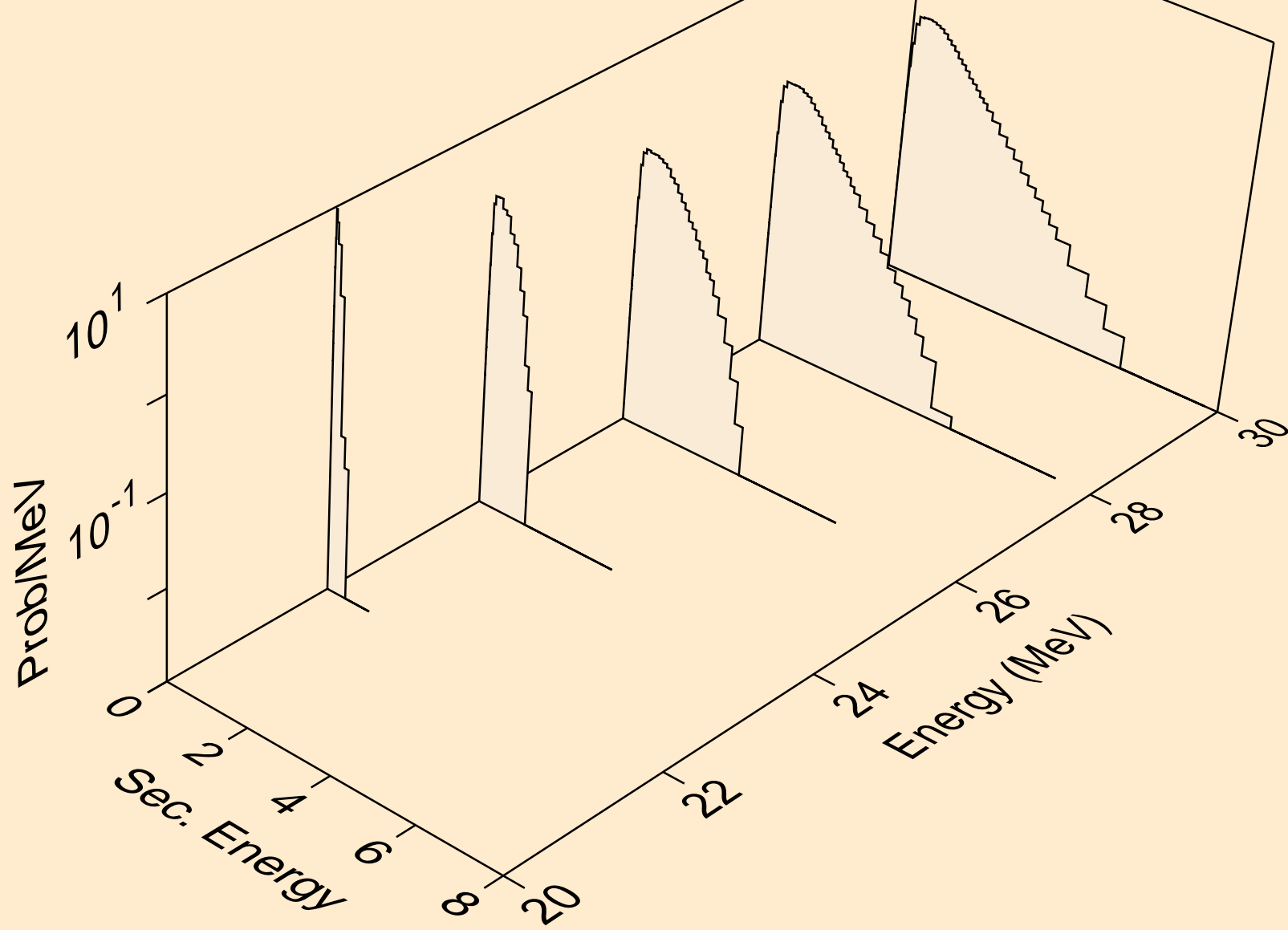




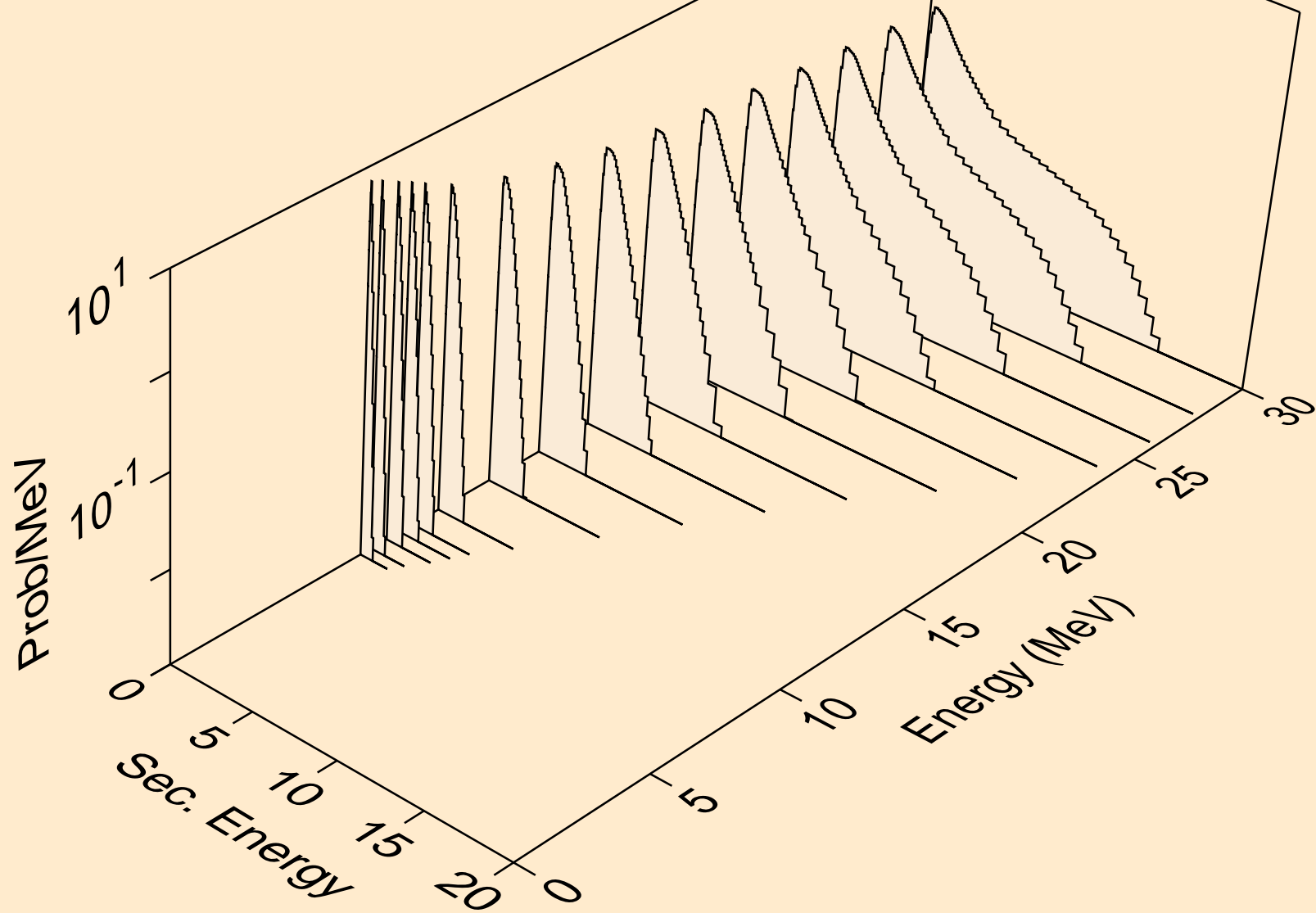
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Neutron emission for (n,2np)



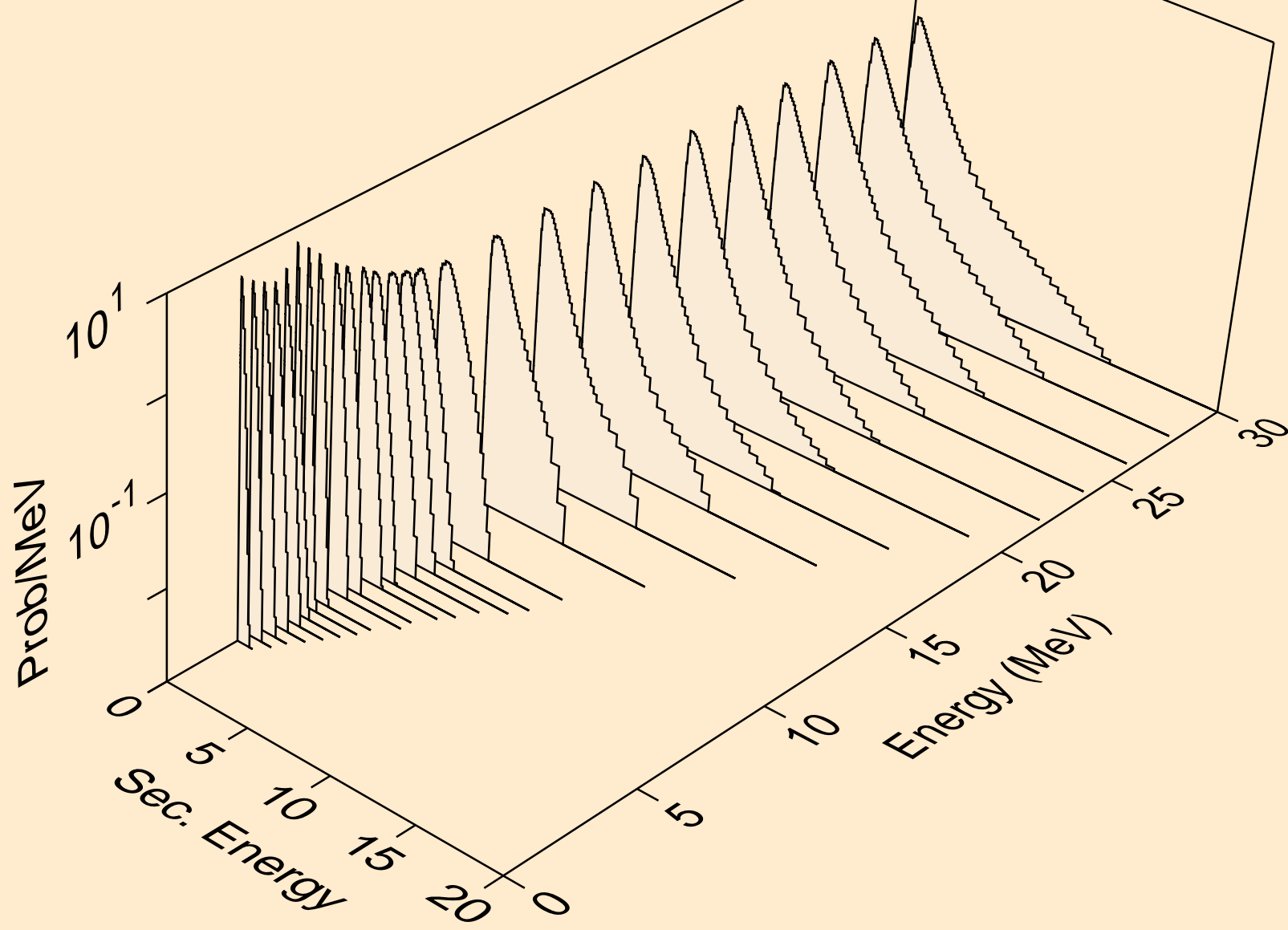
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Neutron emission for (n,3np)



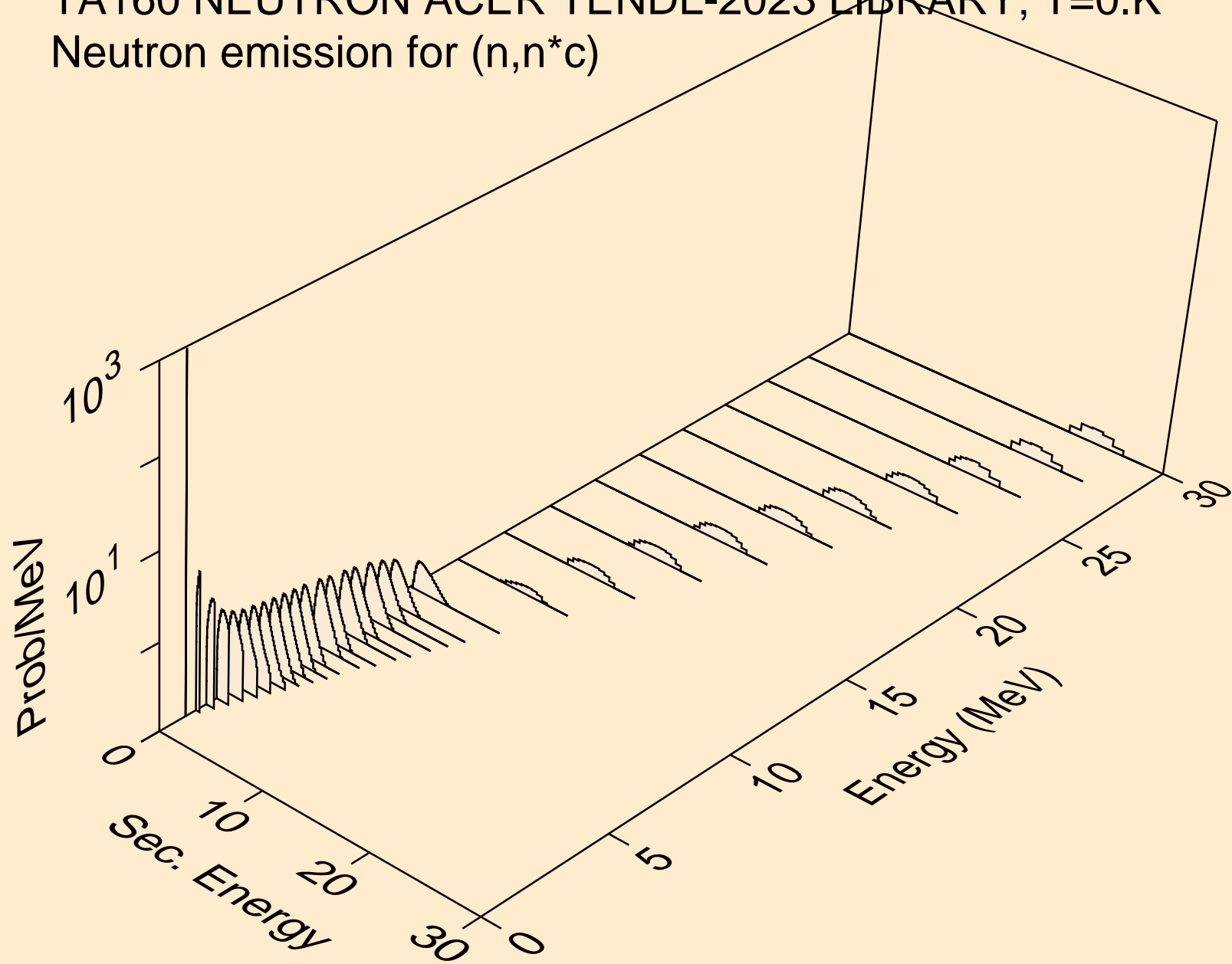
TA160 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n2p)



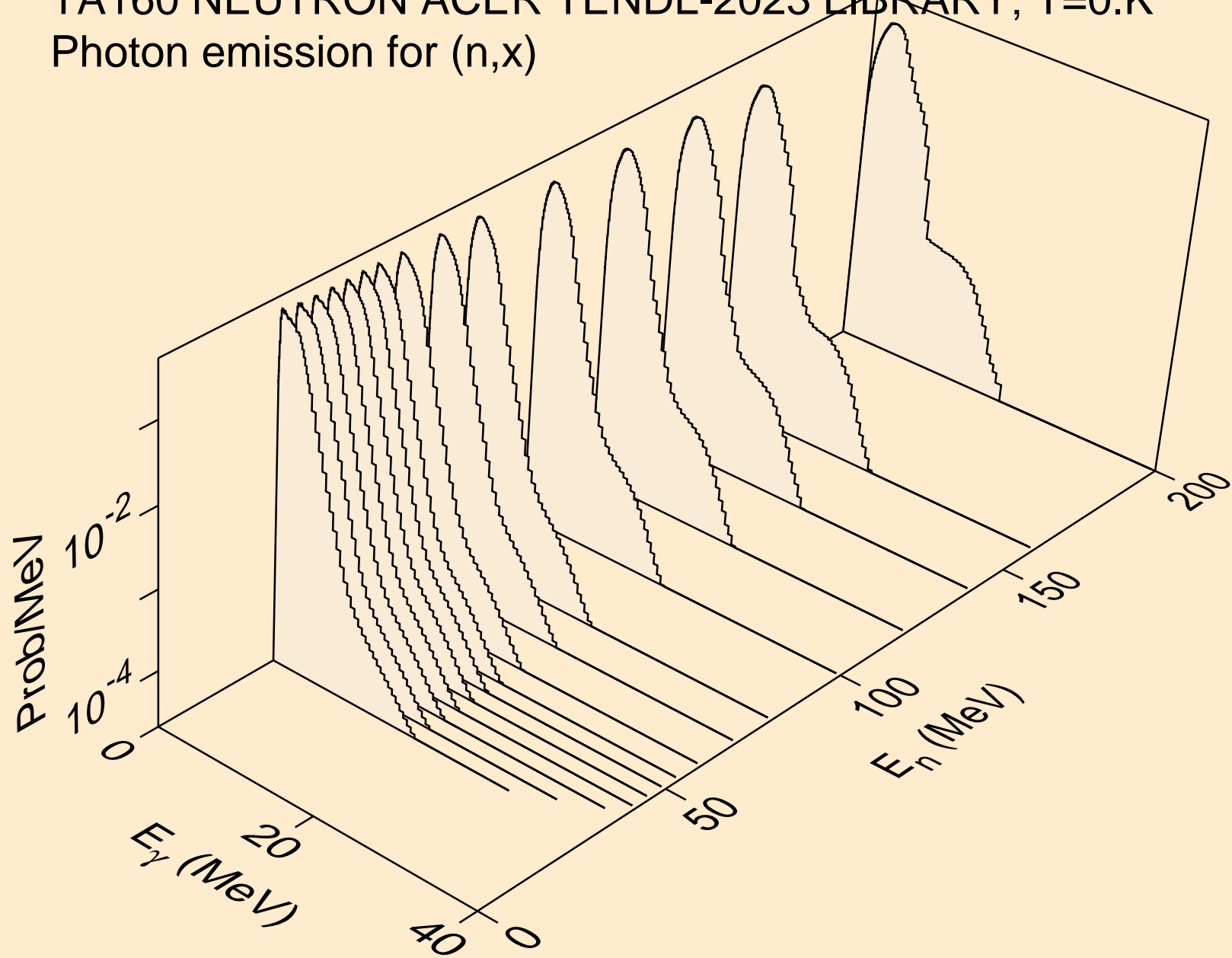
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Neutron emission for (n,npa)



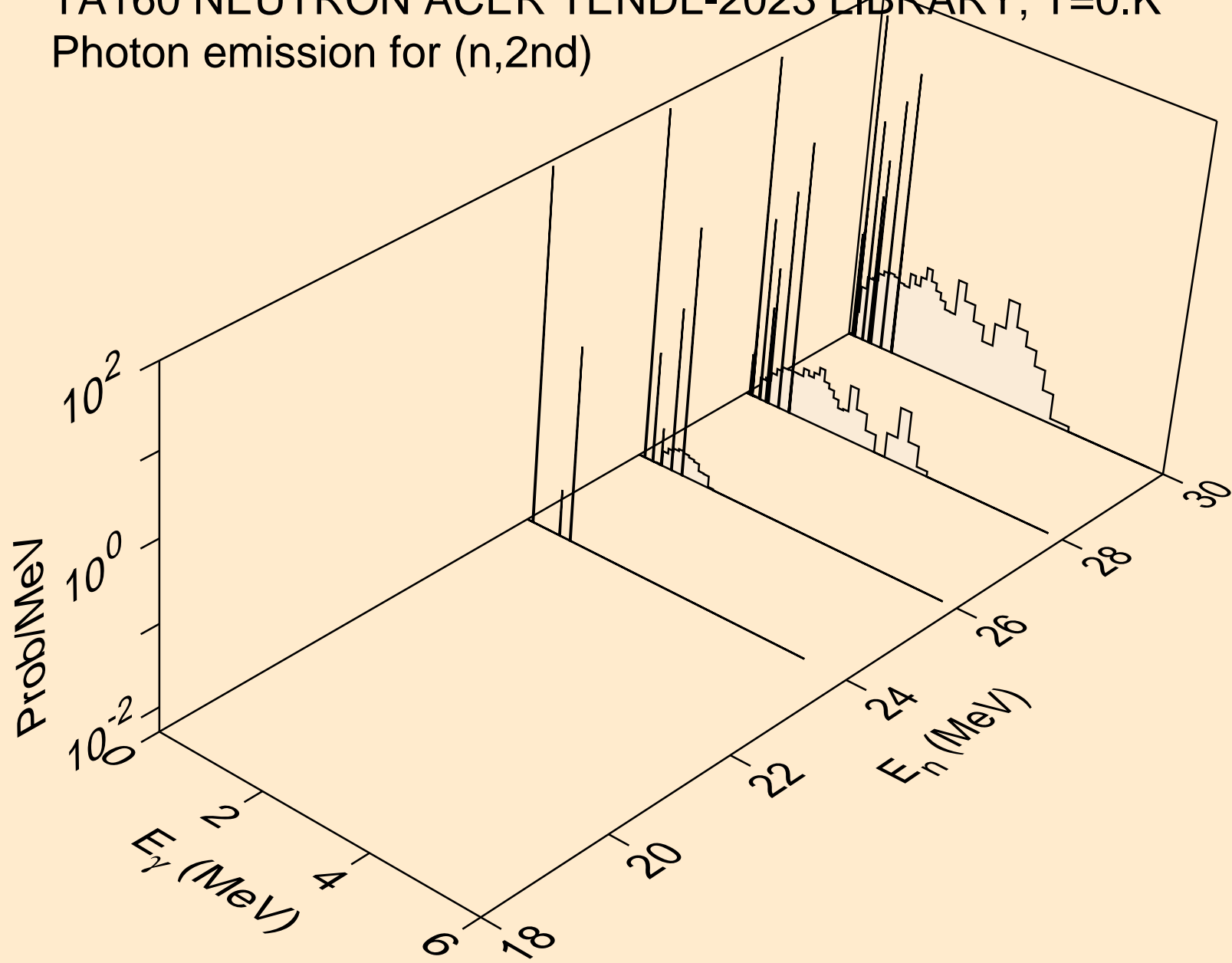
TA160 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)



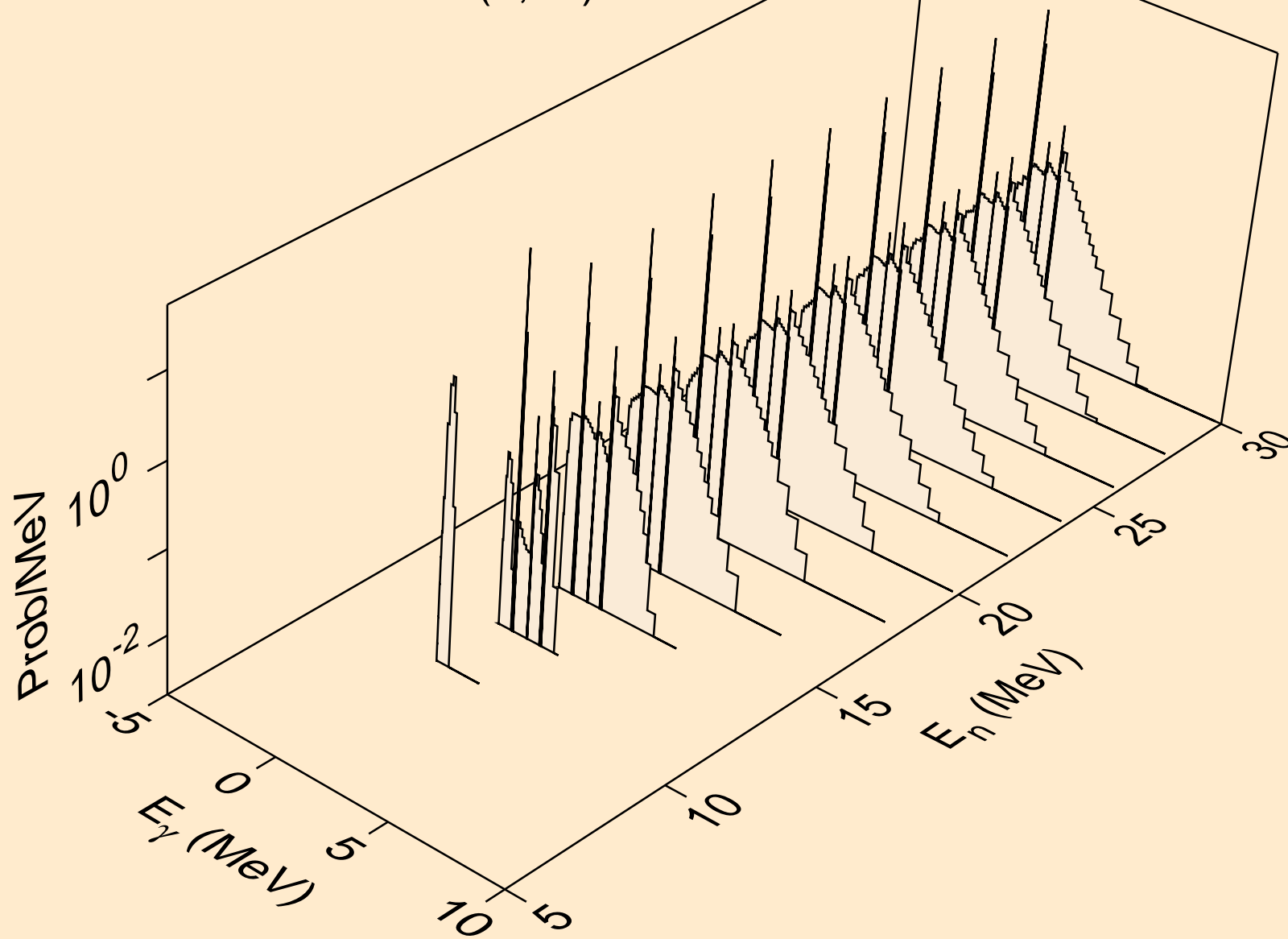
TA160 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,x)



TA160 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)

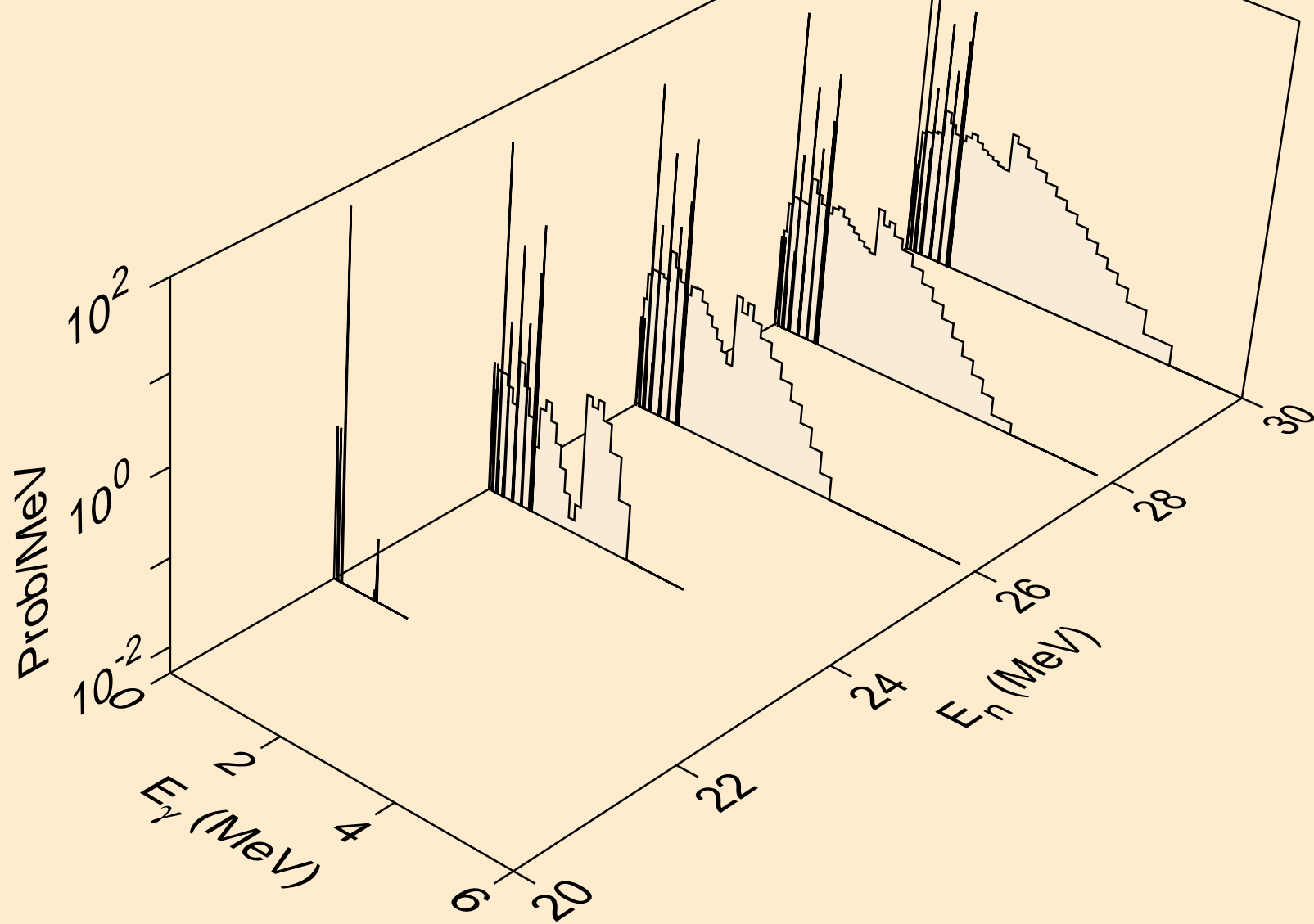


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Photon emission for (n,2n)

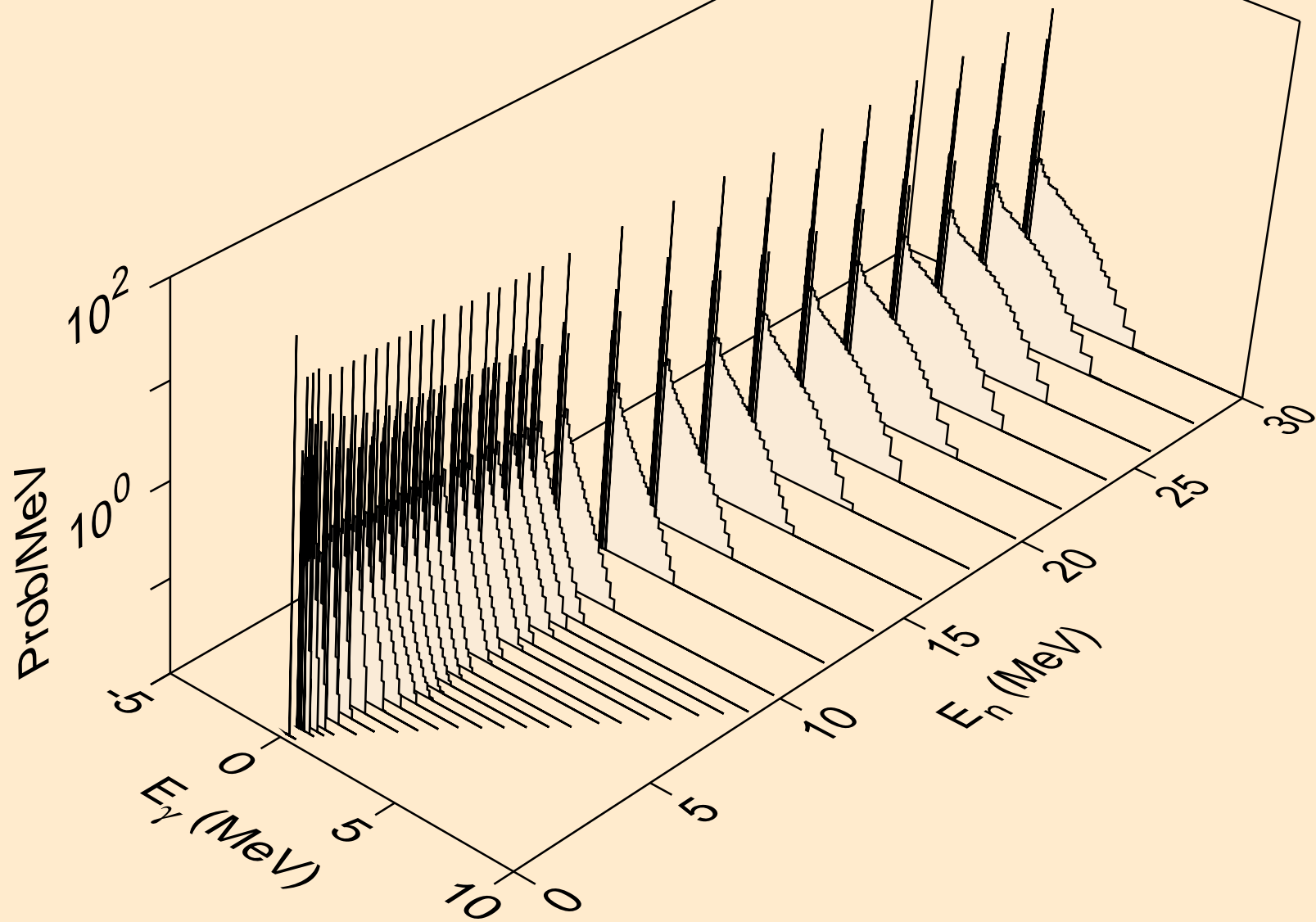




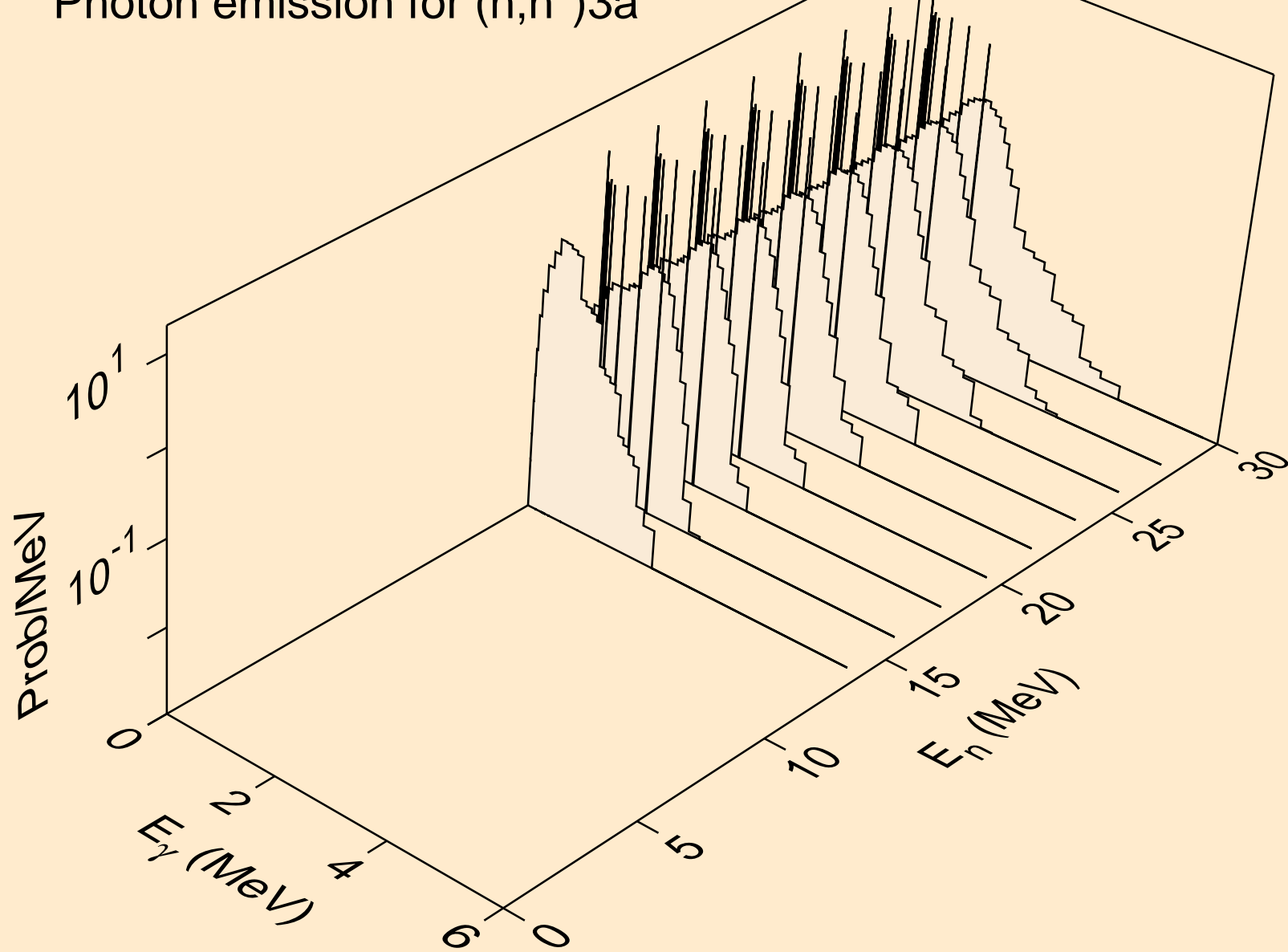
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Photon emission for (n,3n)



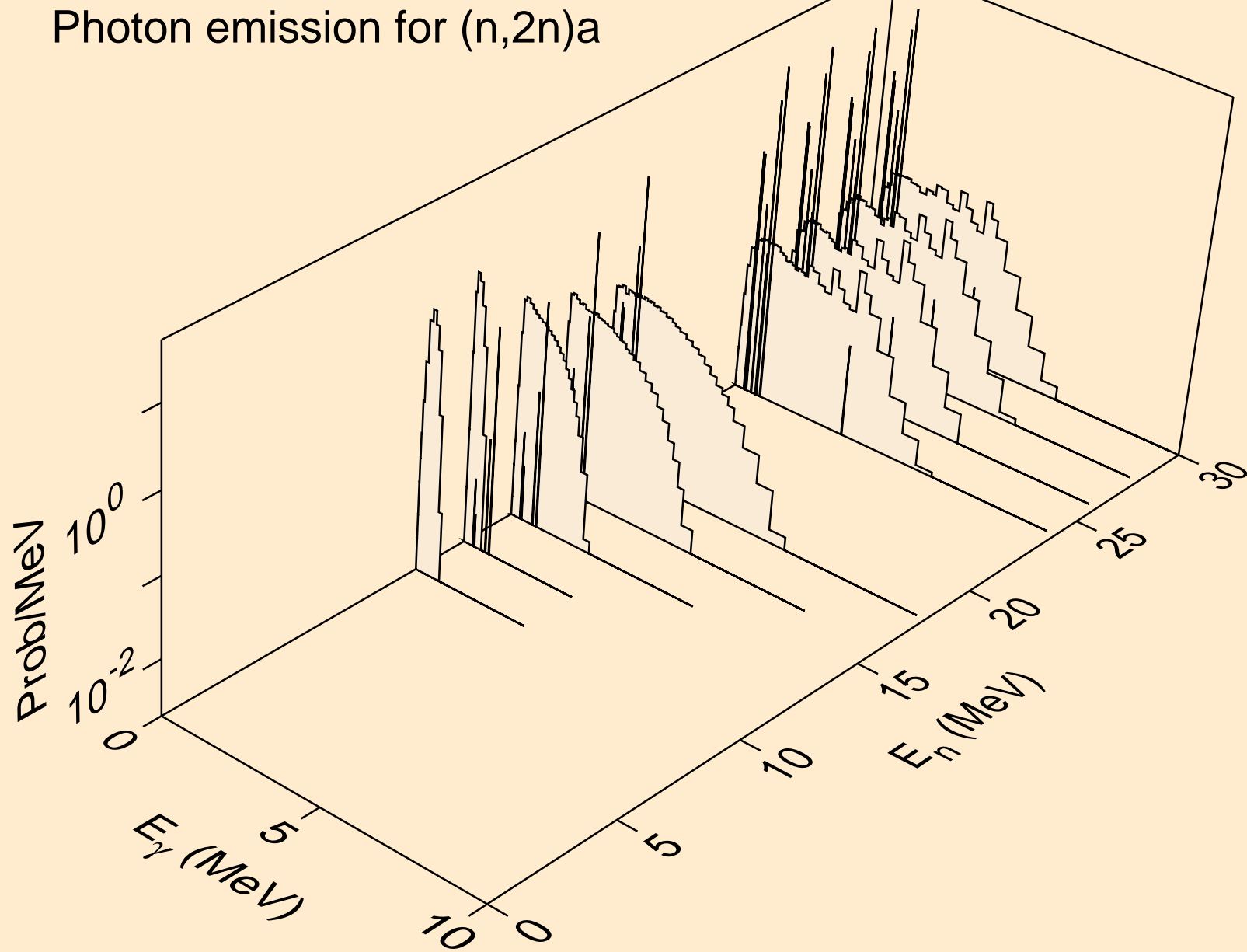
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Photon emission for (n,n\*)a



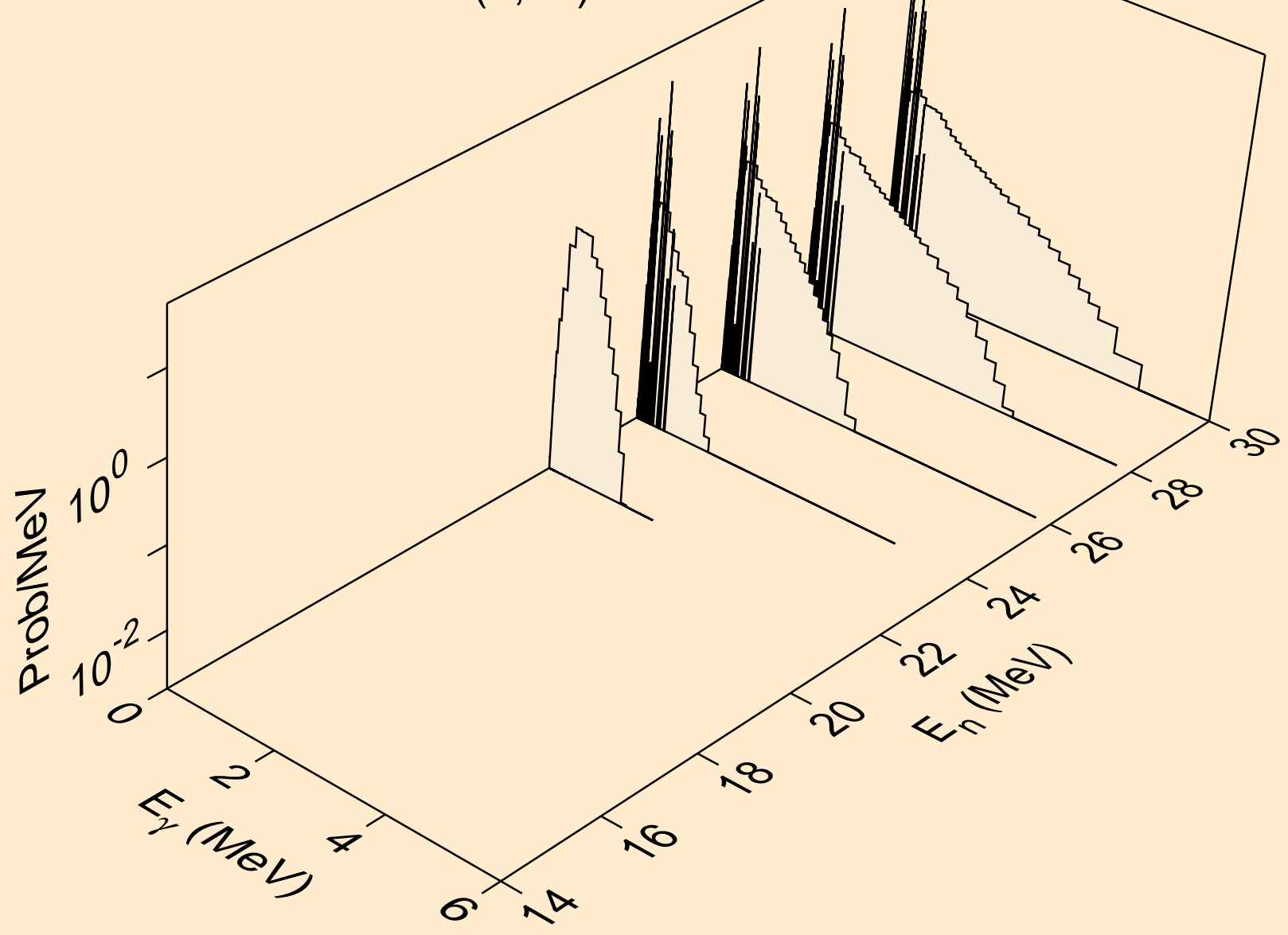
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Photon emission for (n,n\*)3a



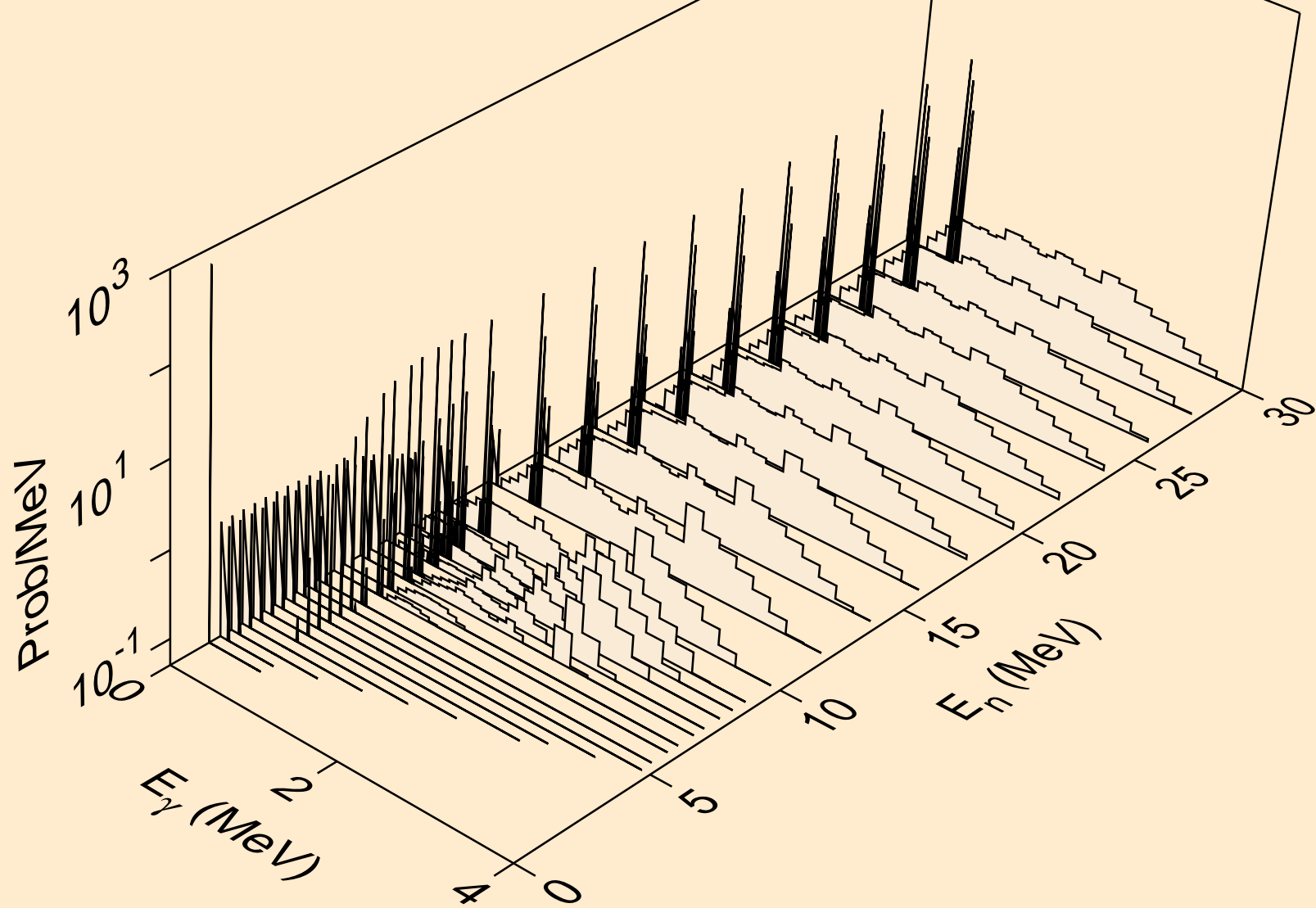
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Photon emission for (n,2n)a



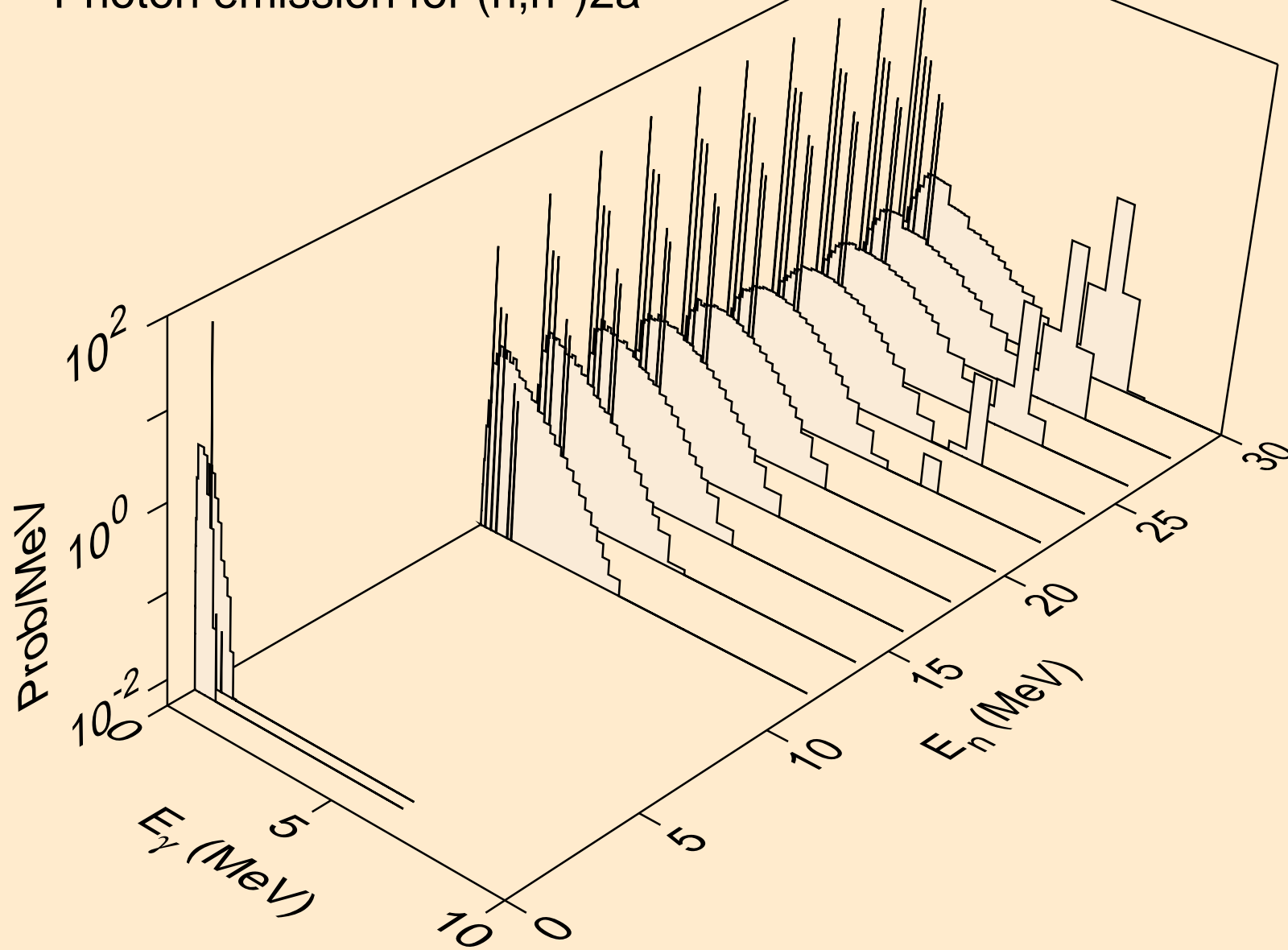
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Photon emission for (n,3n)a



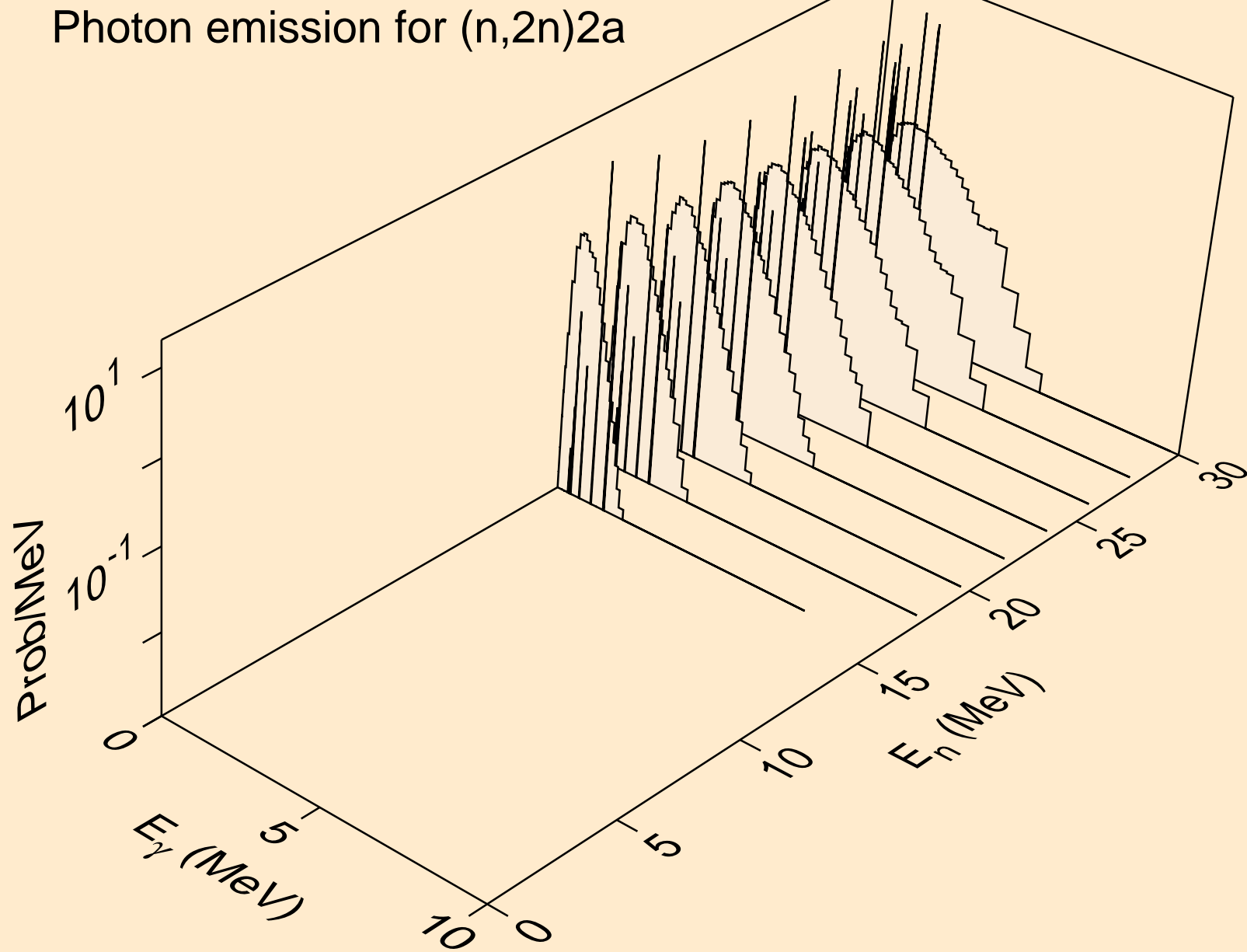
TA160 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



TA160 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a

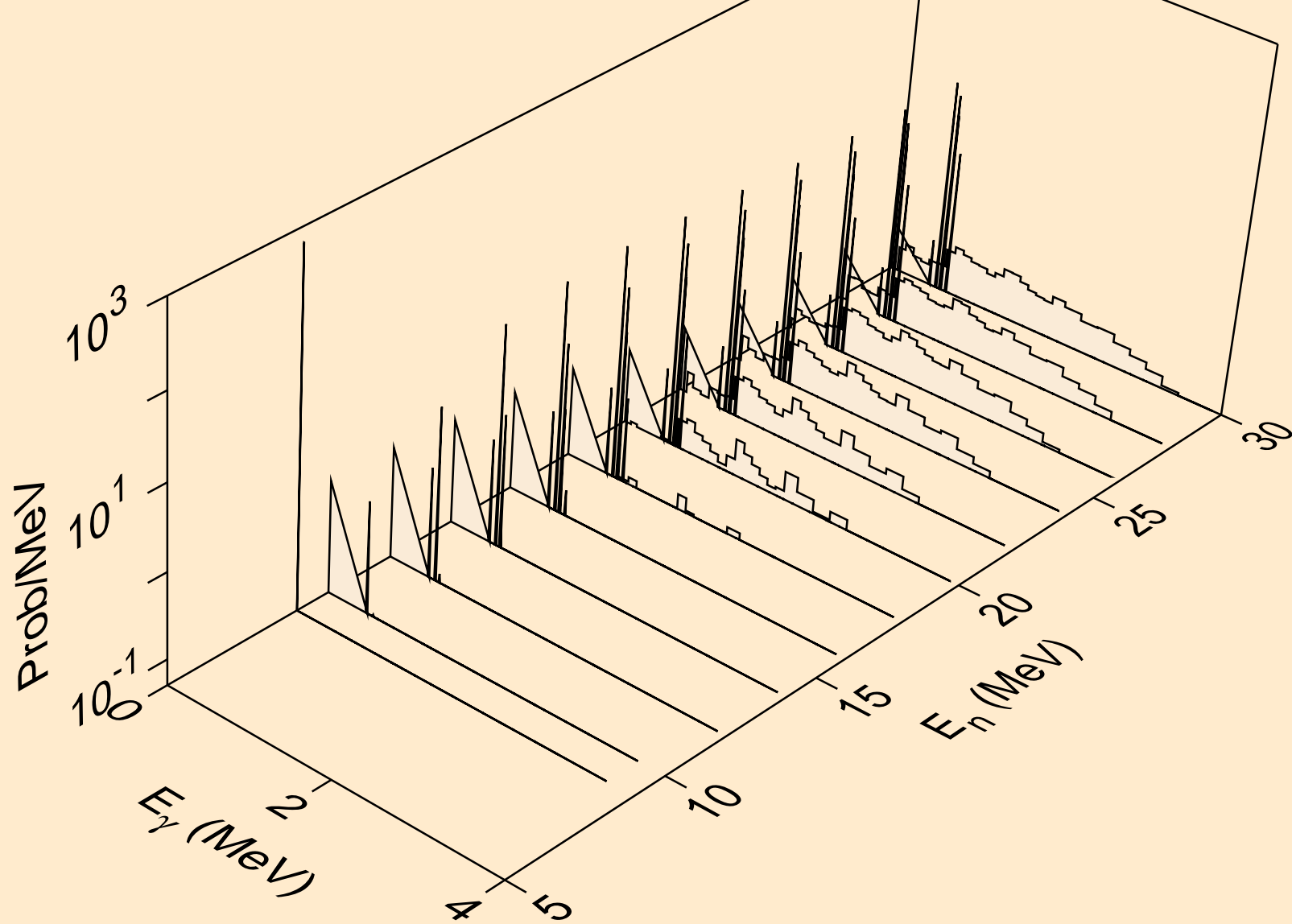


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Photon emission for (n,2n)2a

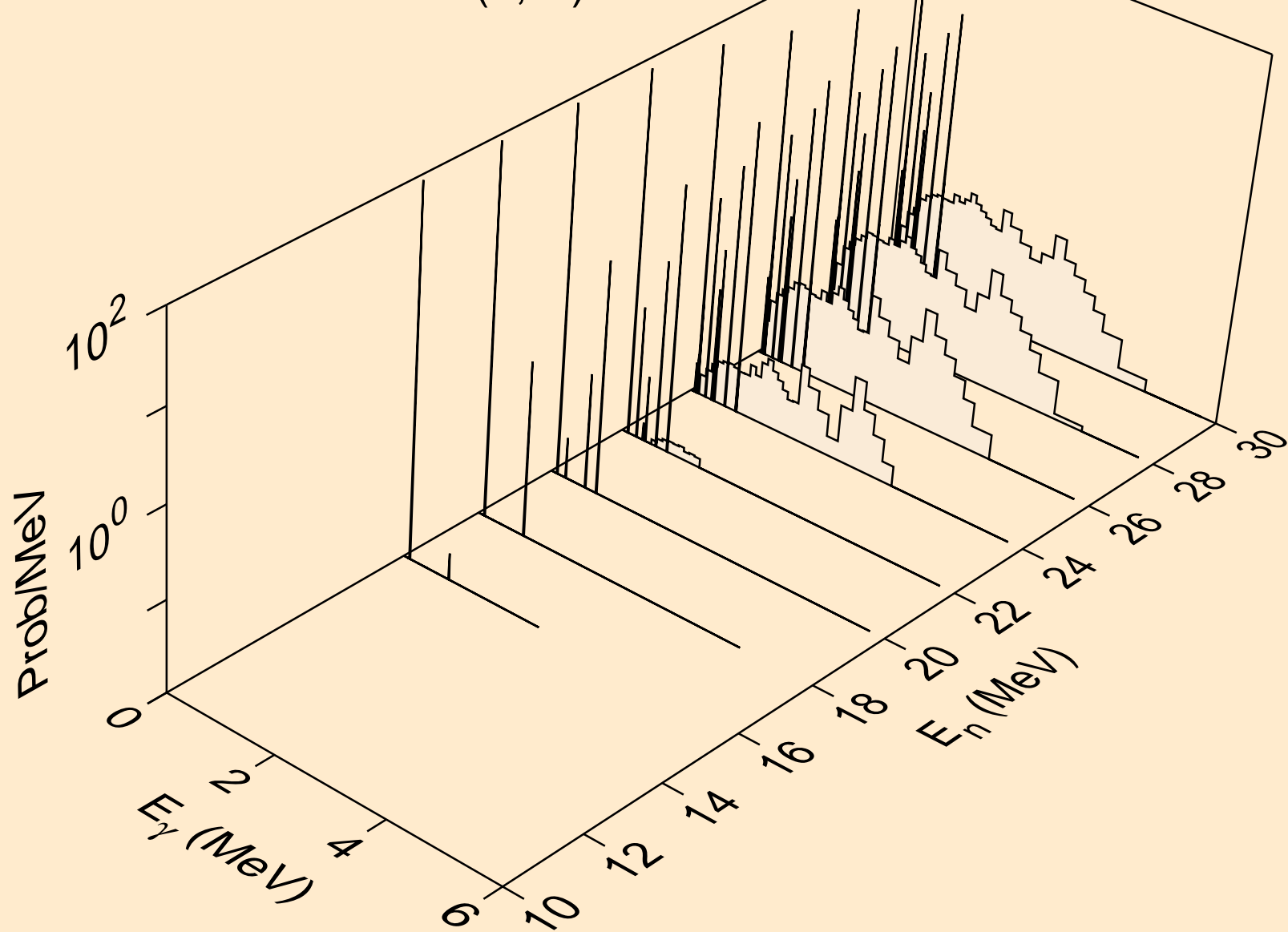




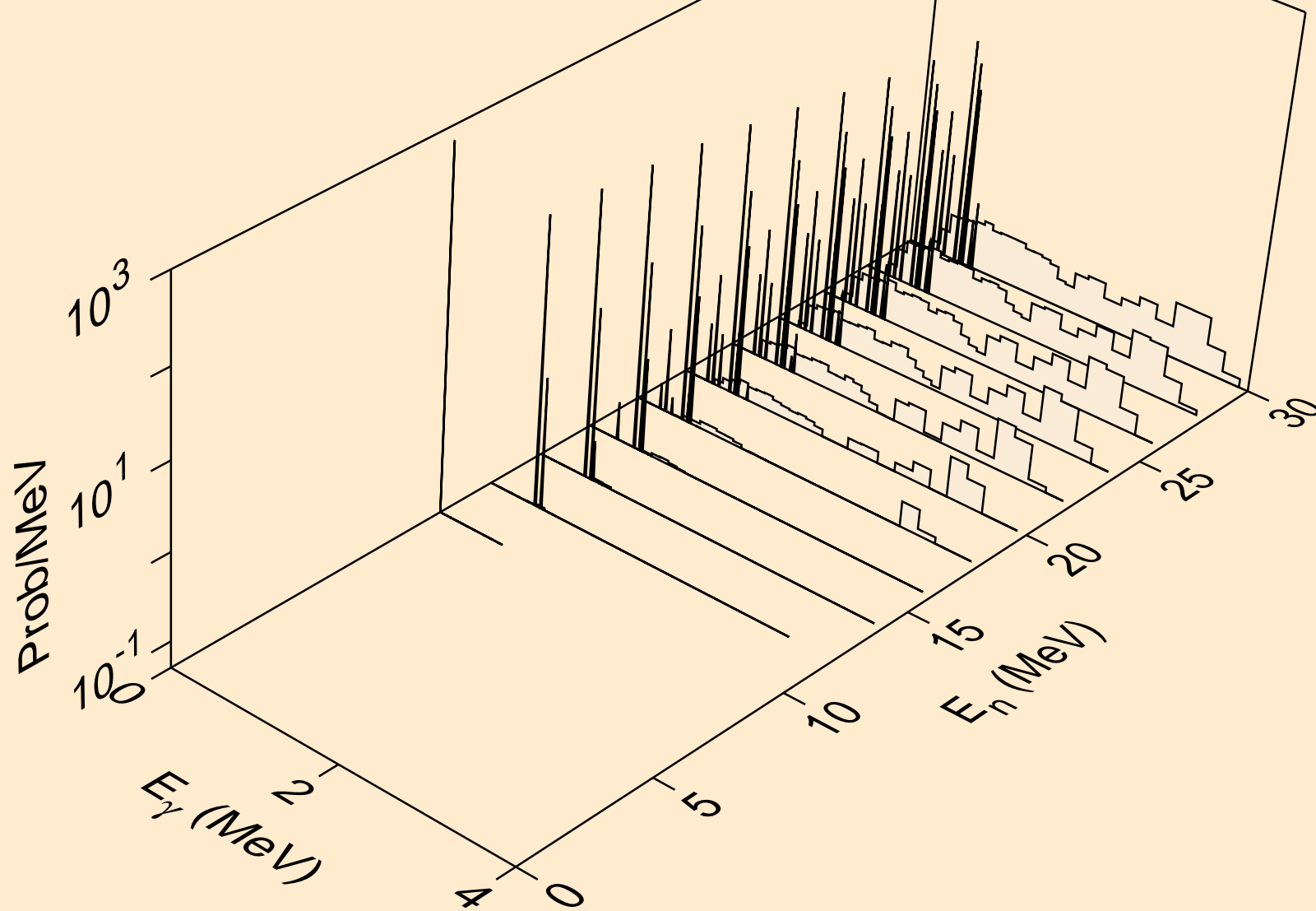
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Photon emission for (n,n\*)d



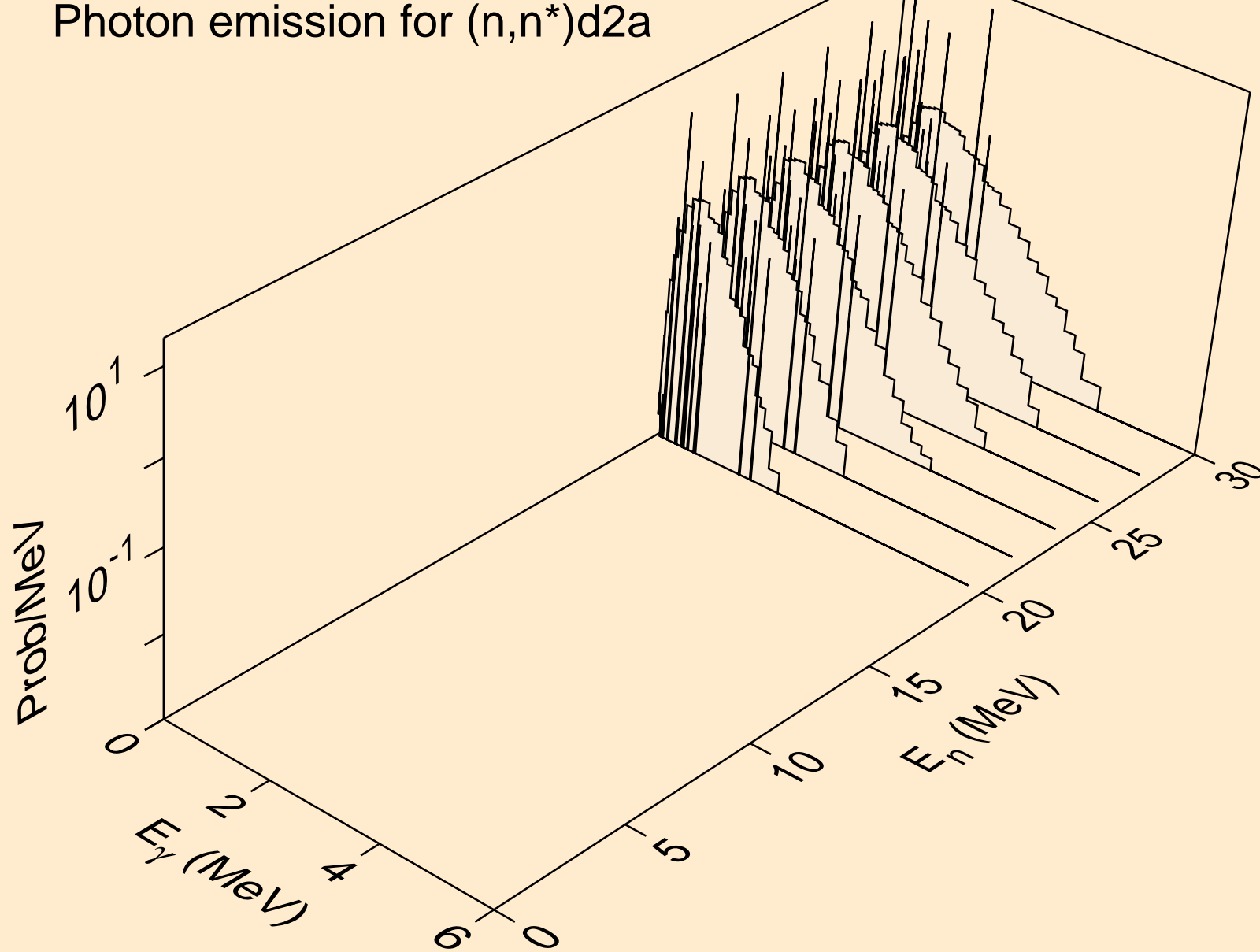
TA160 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



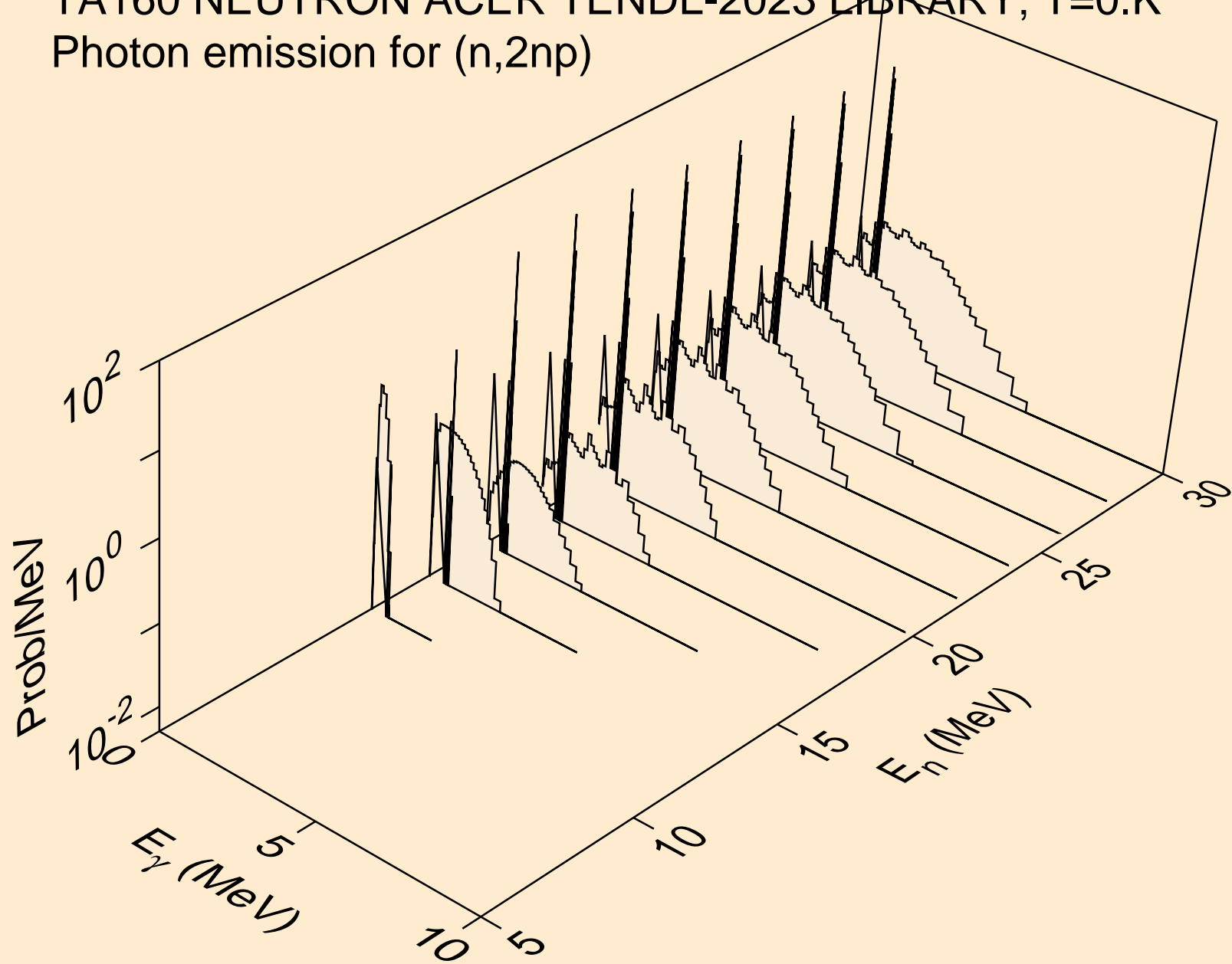
TA160 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



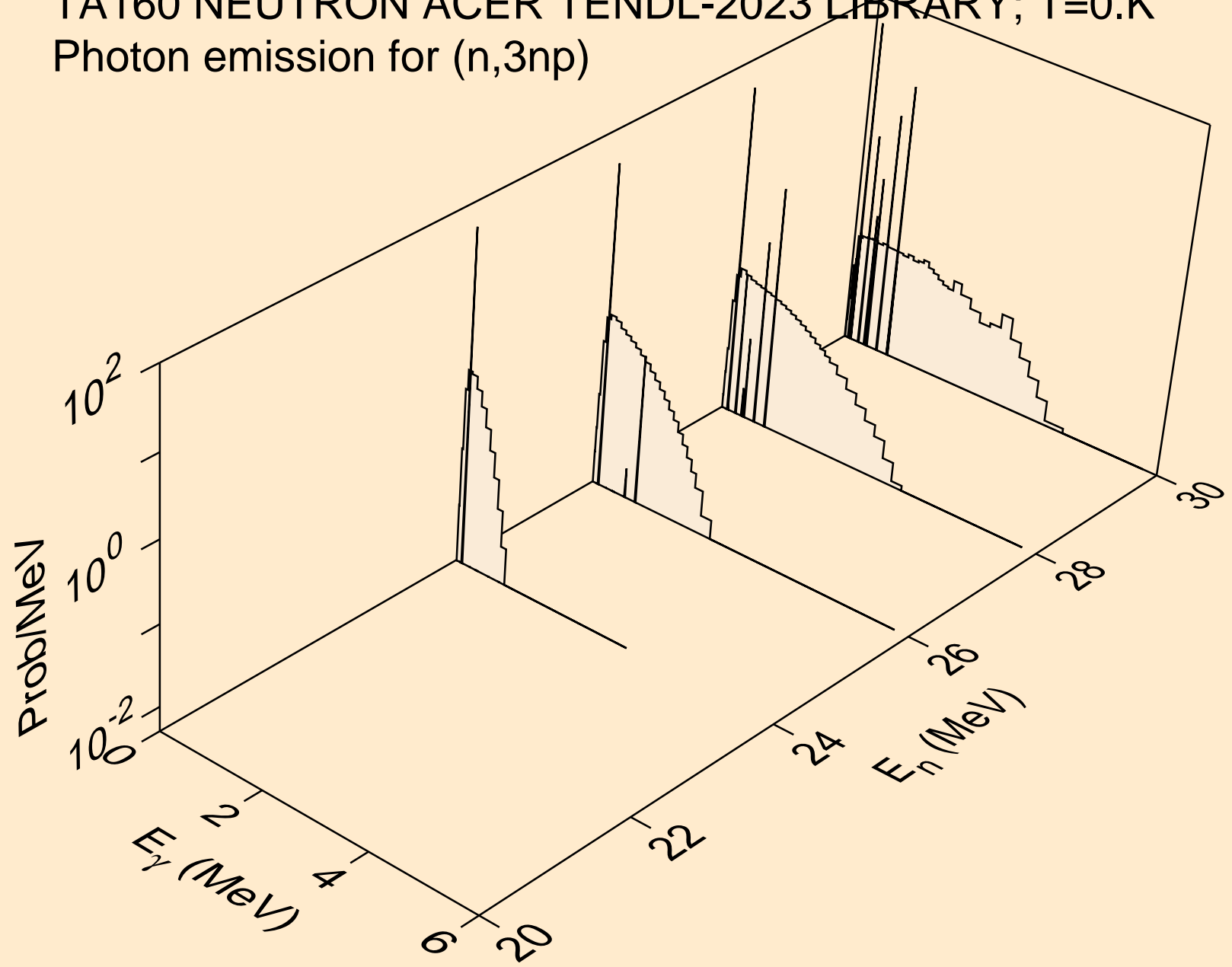
TA160 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d2a



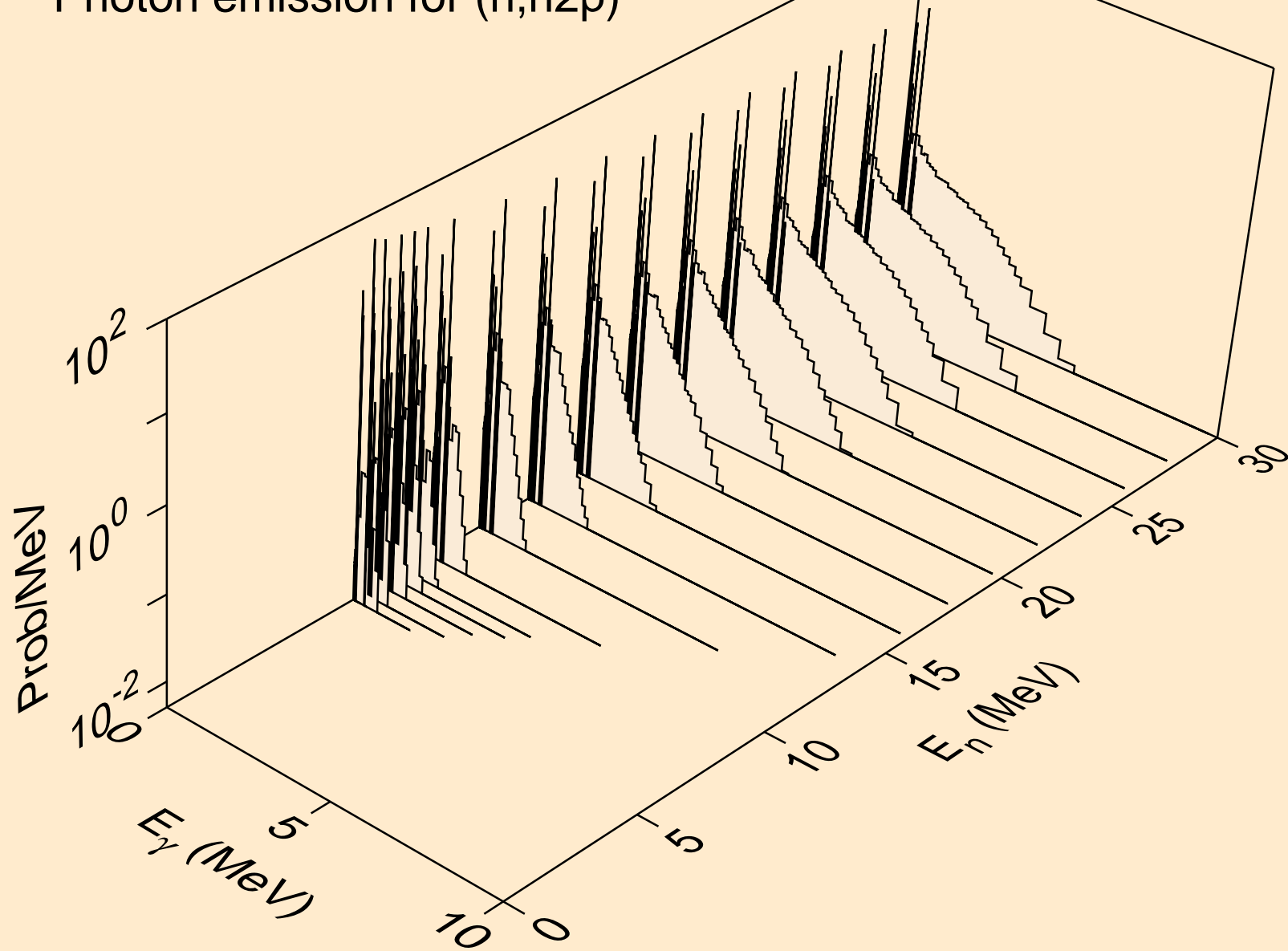
TA160 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)



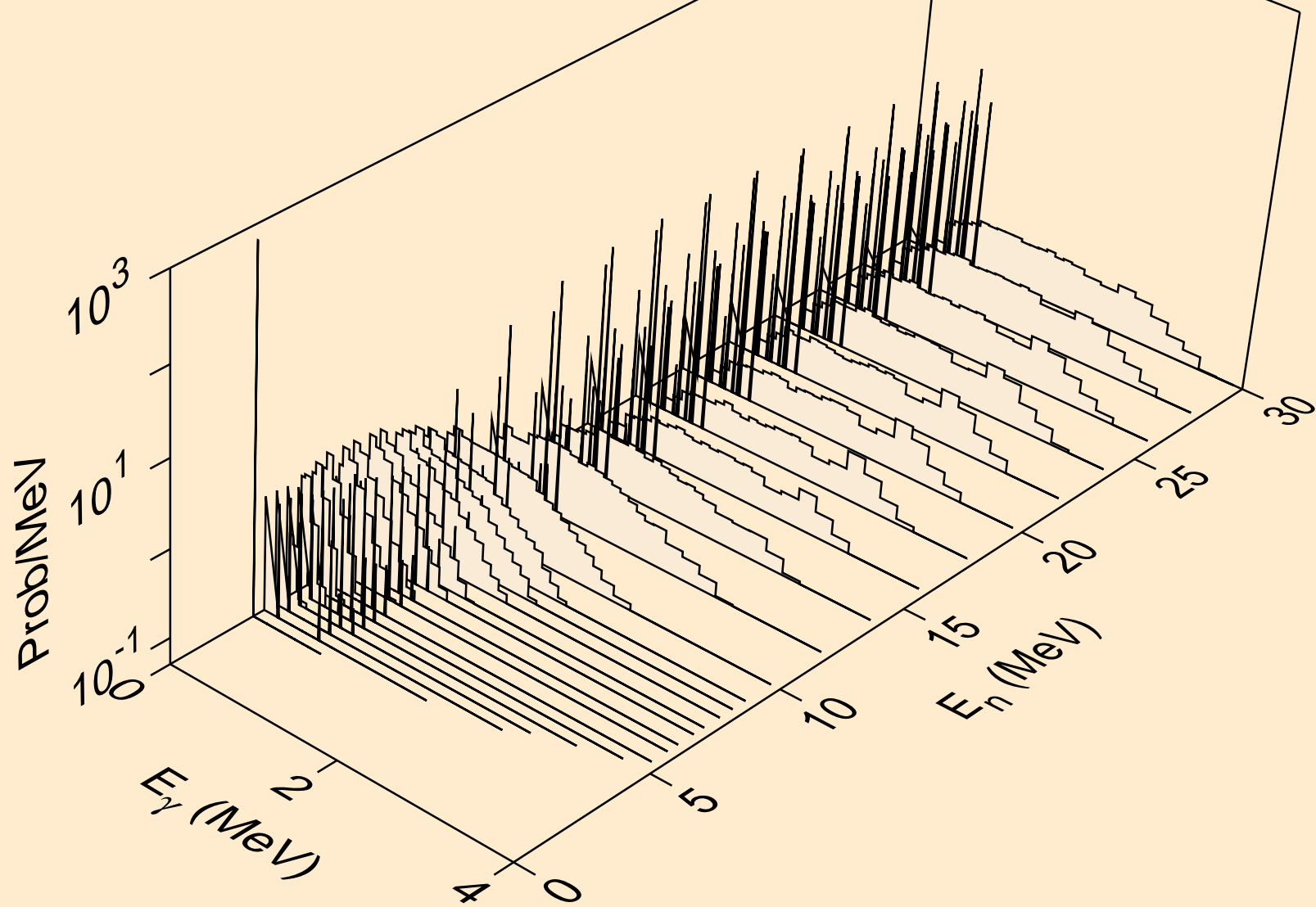
TA160 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3np)



TA160 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)

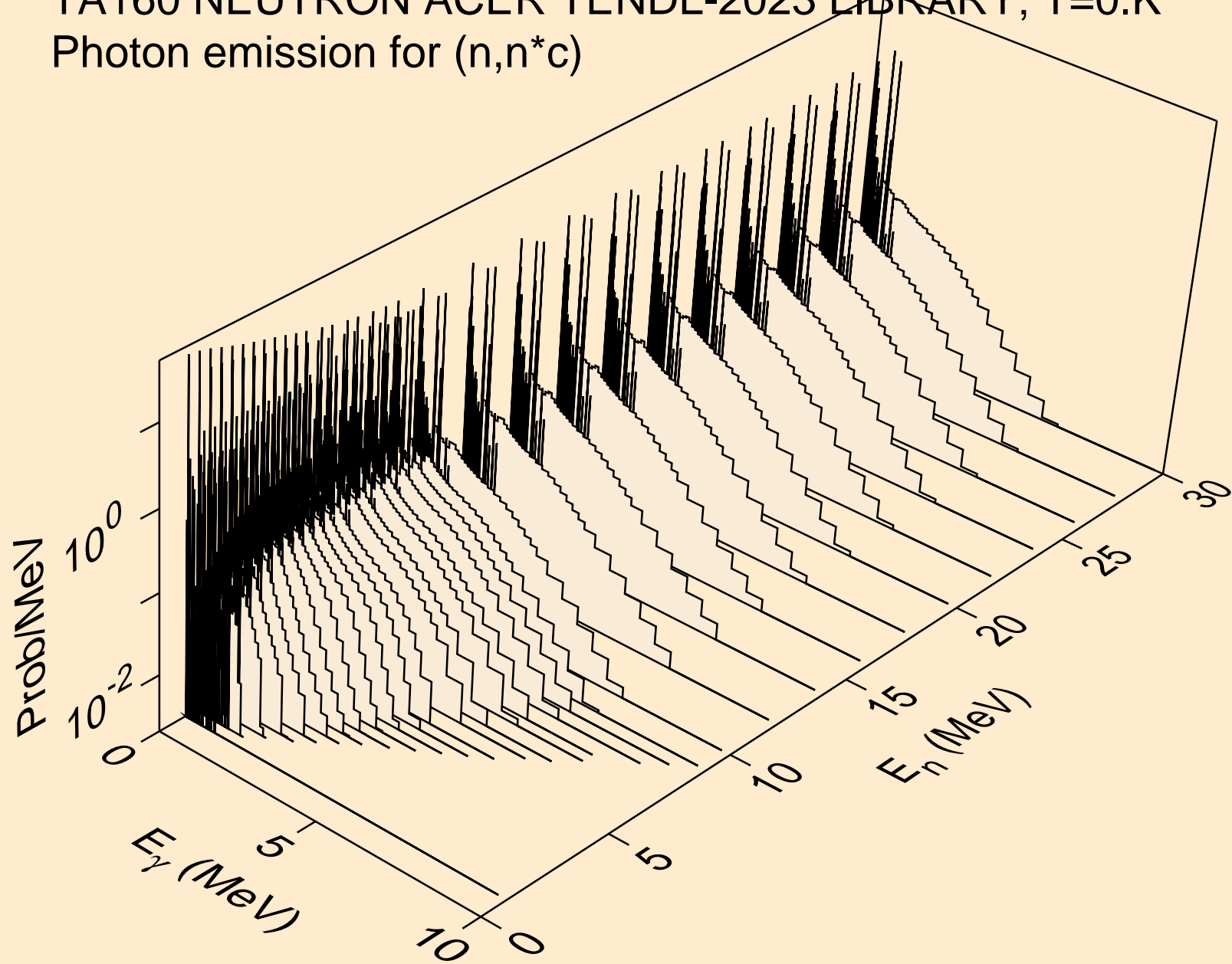


TA160 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,npa)

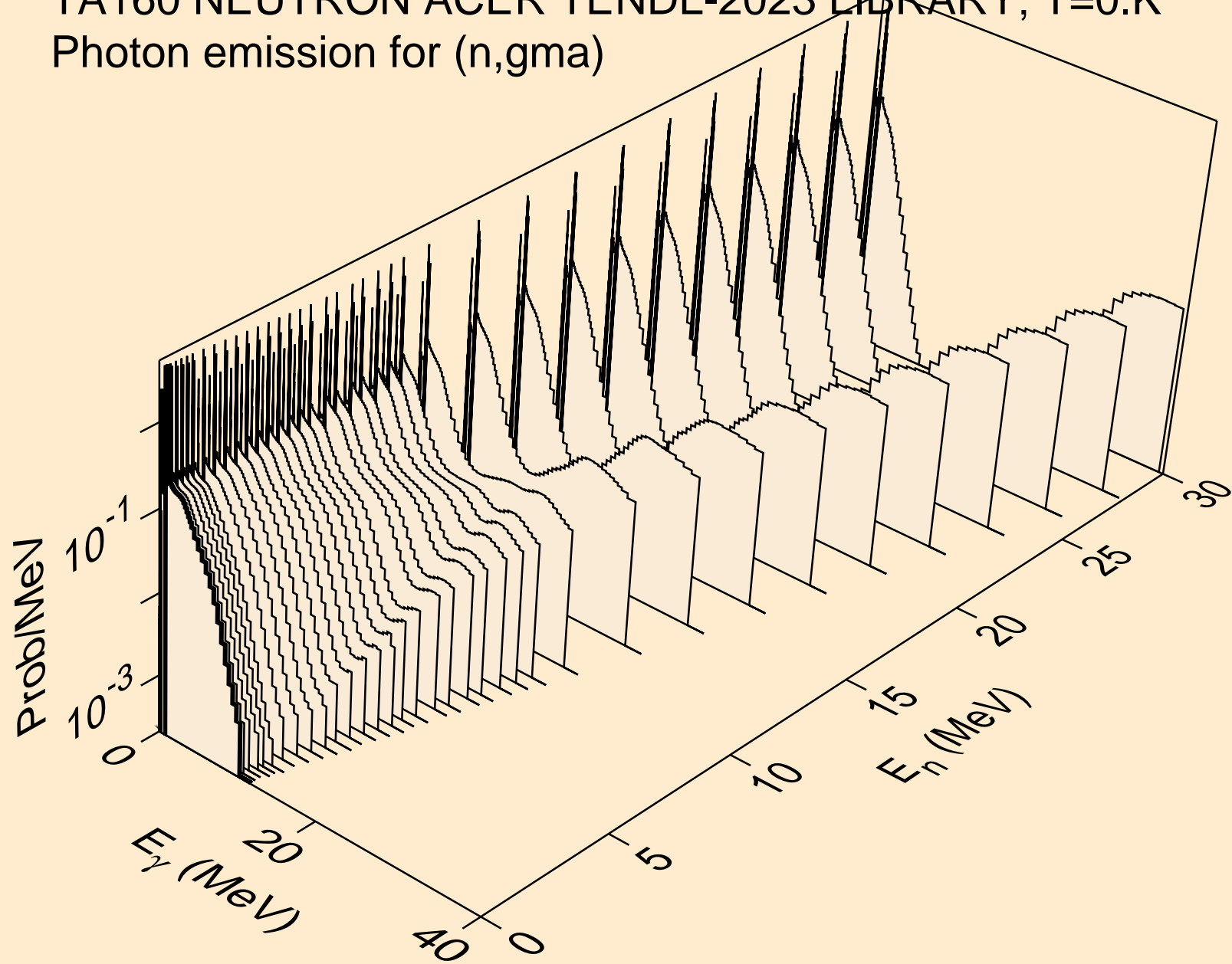




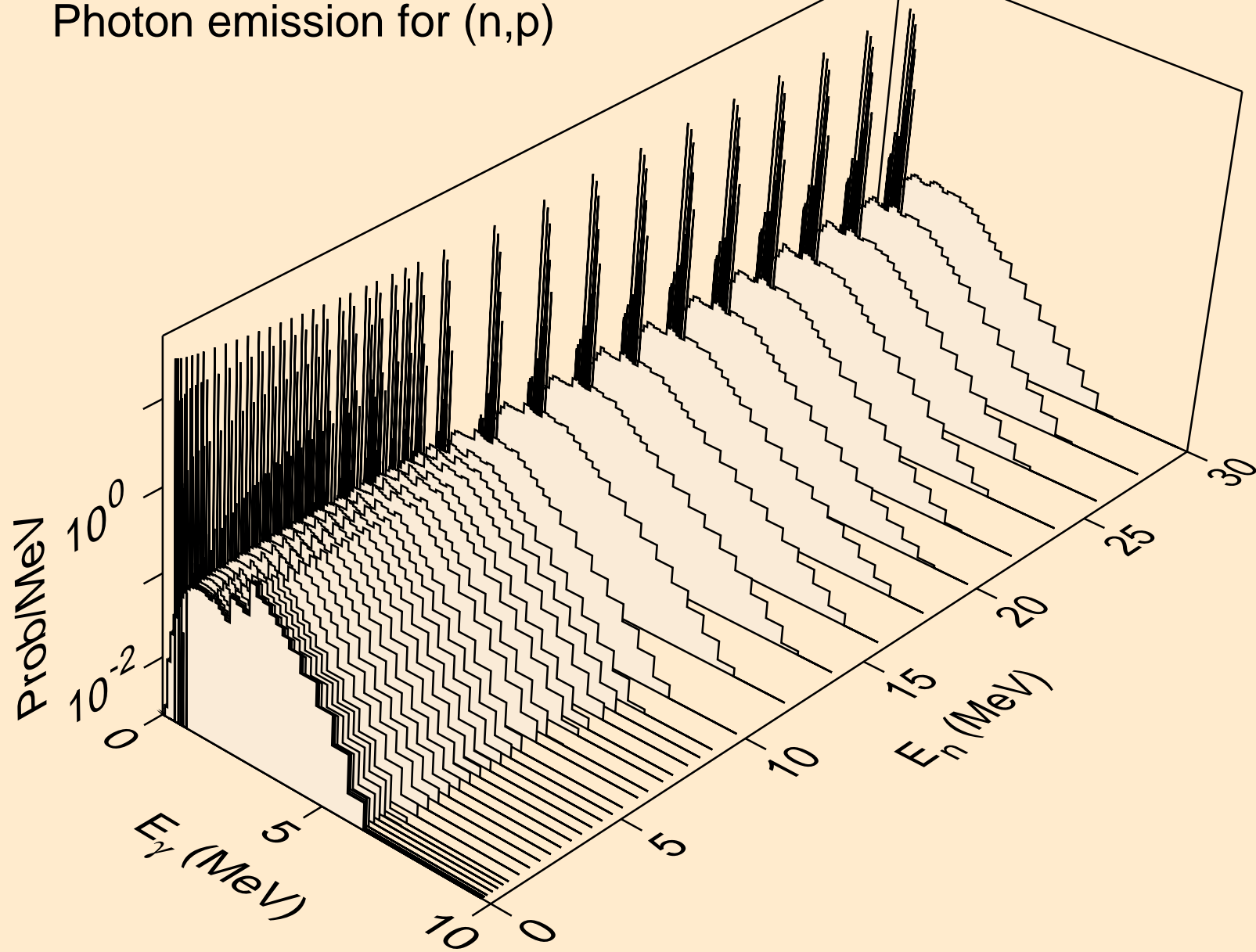
TA160 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*c)



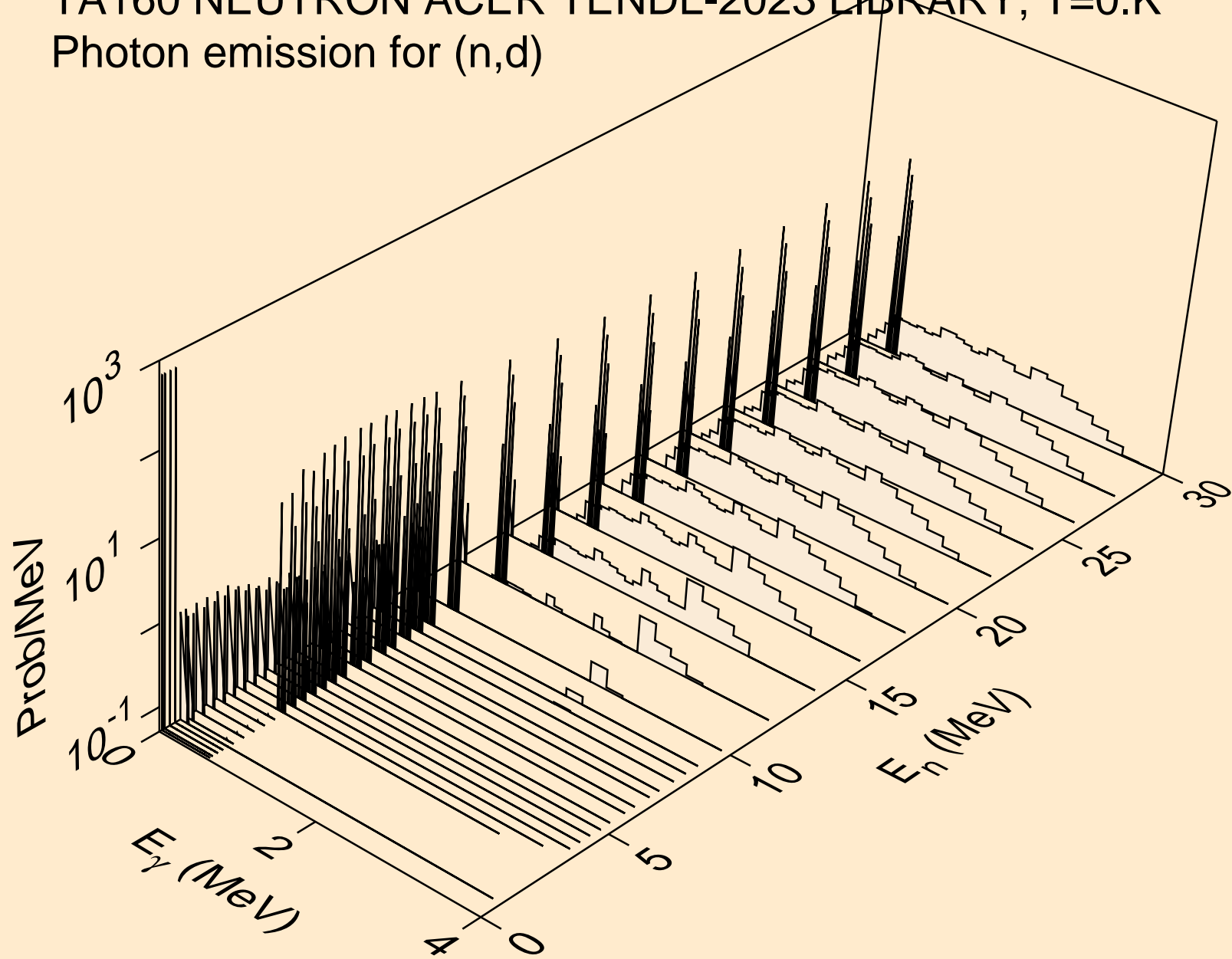
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Photon emission for (n,gma)



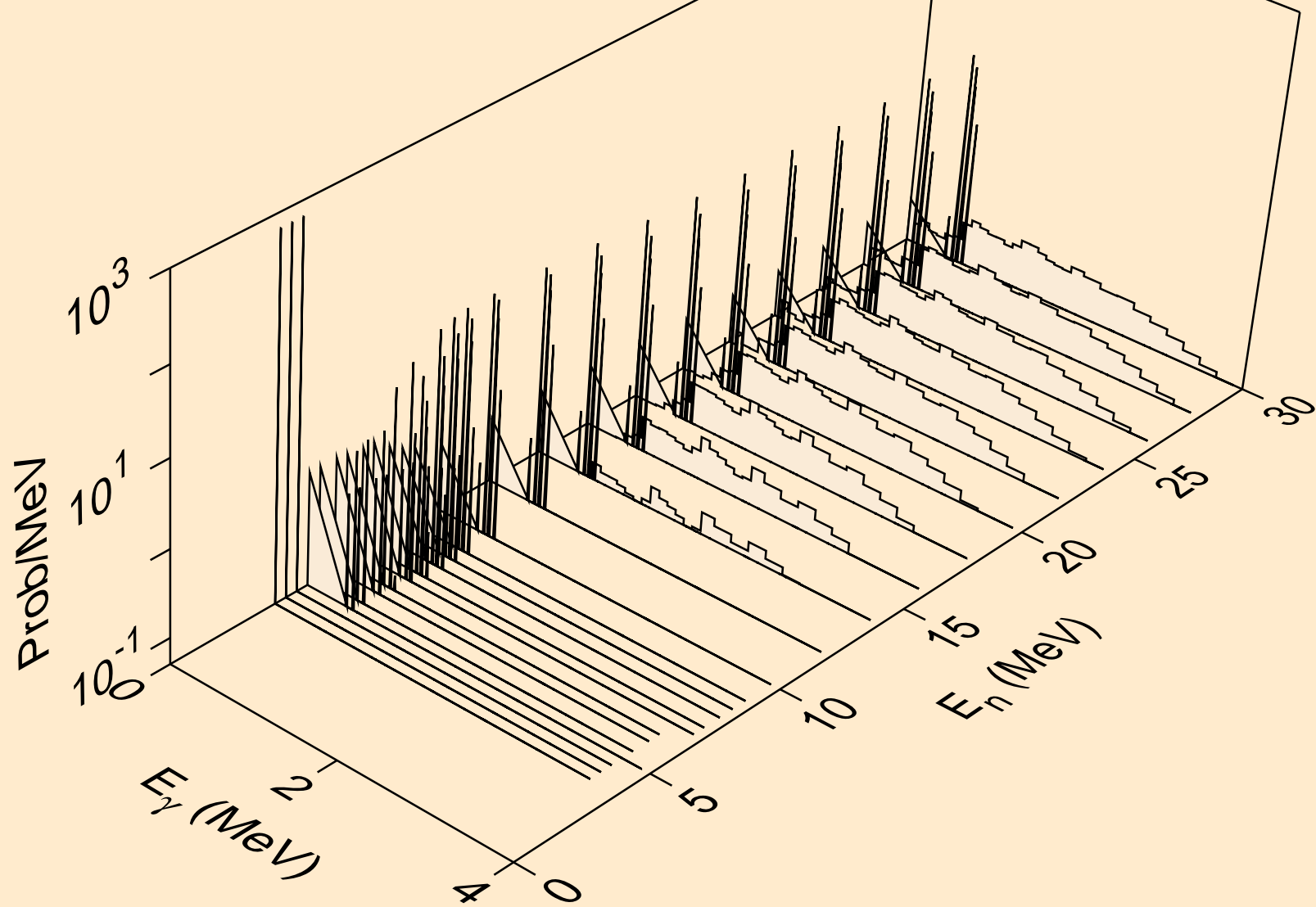
TA160 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)



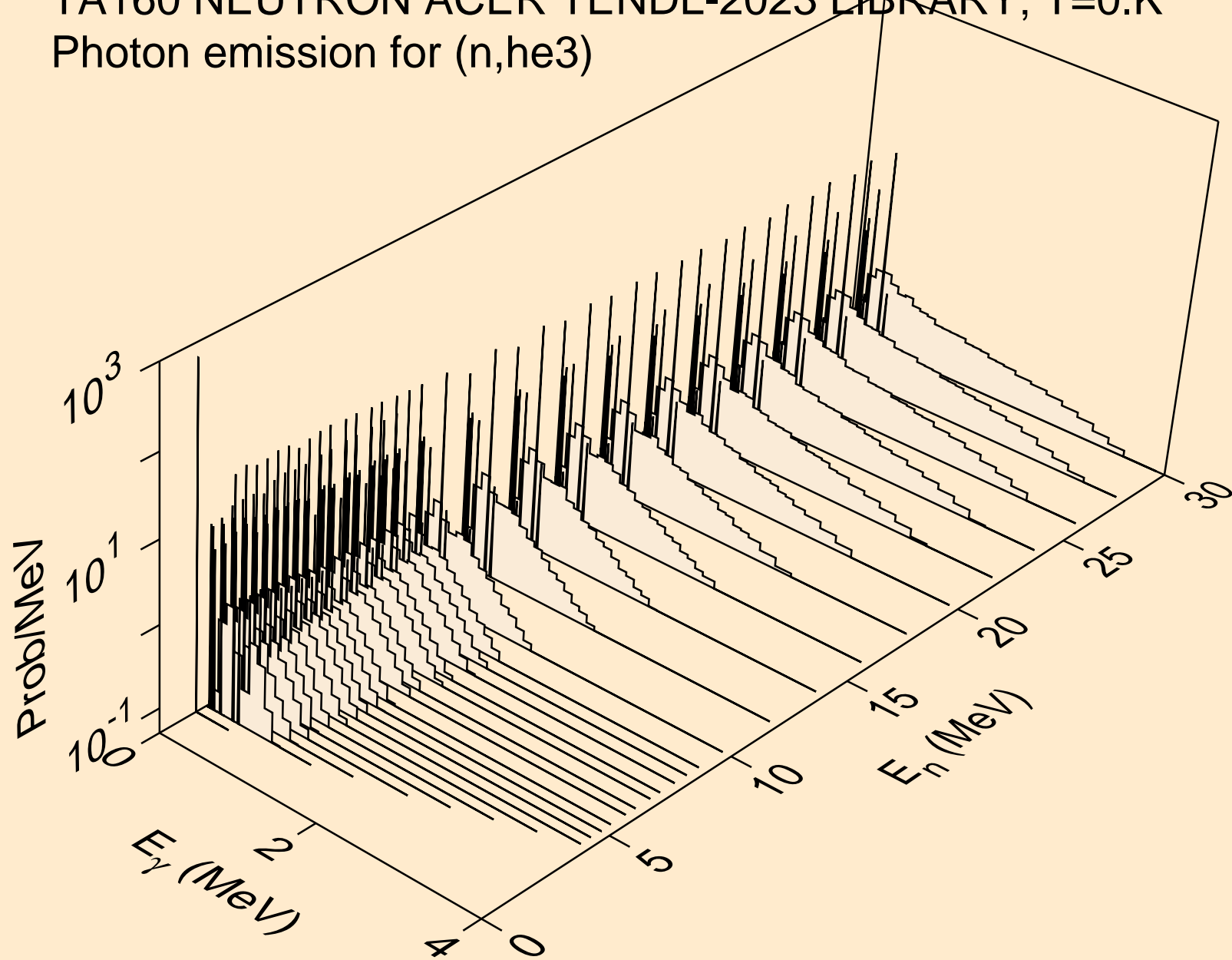
TA160 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)



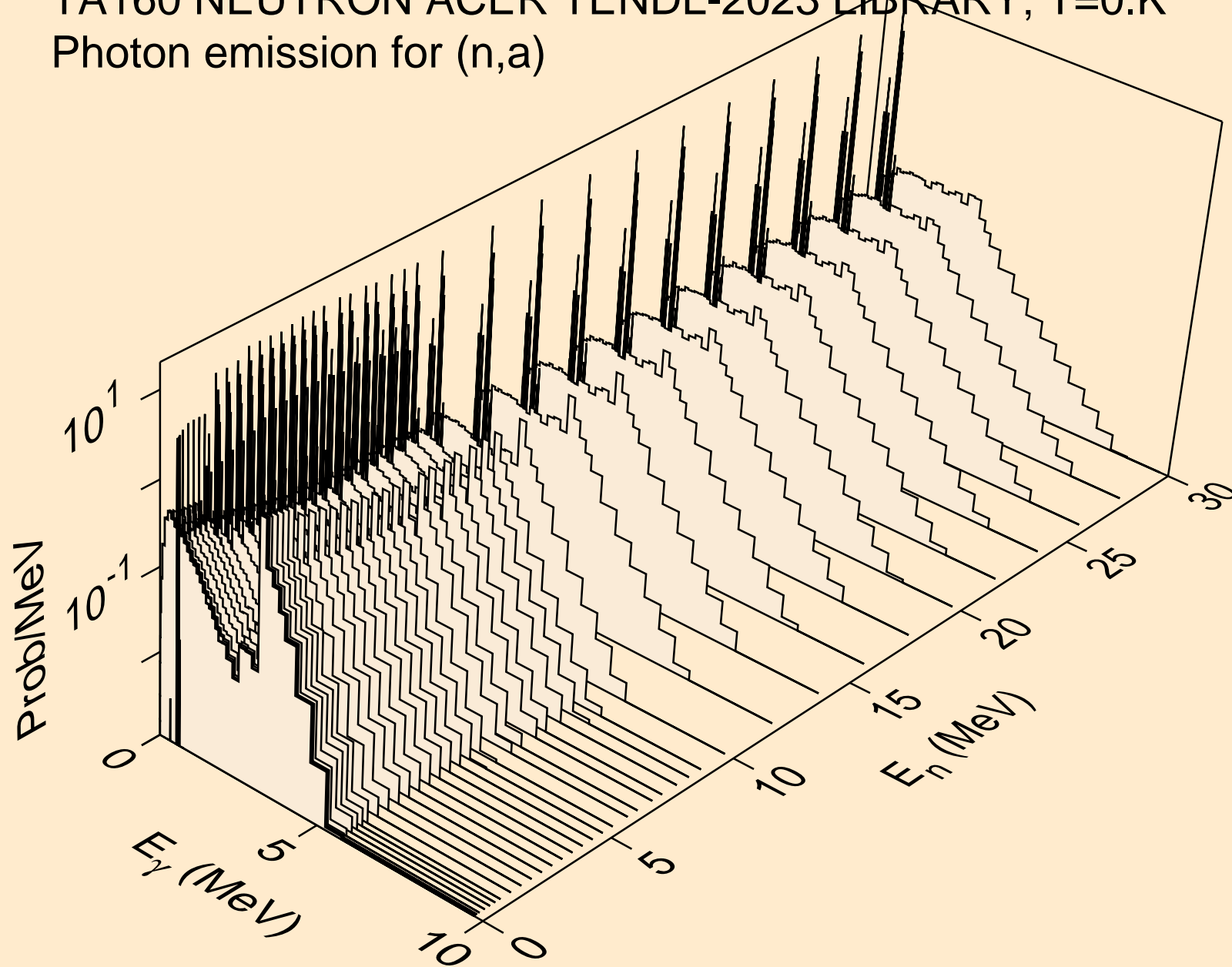
TA160 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)



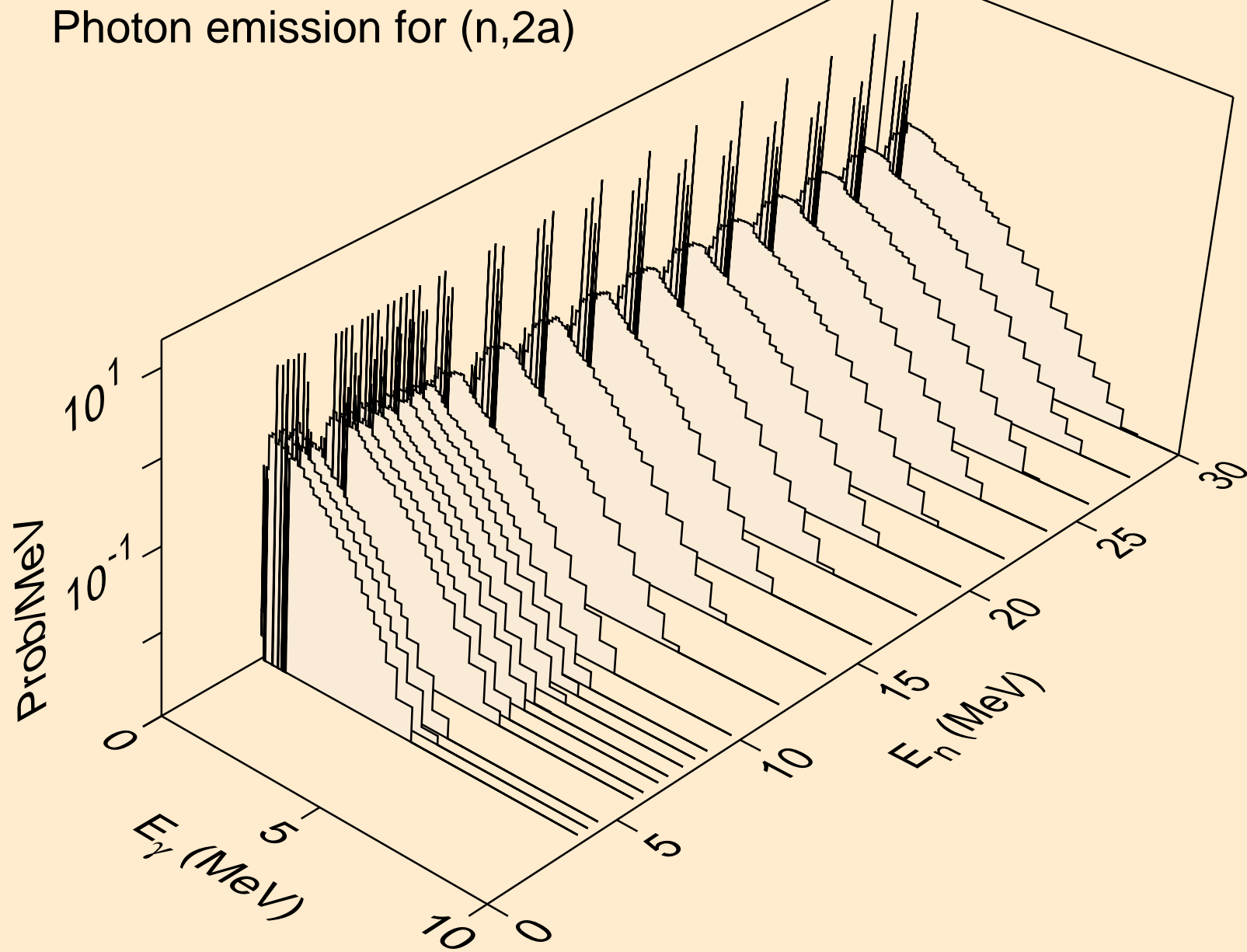
TA160 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)



TA160 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)

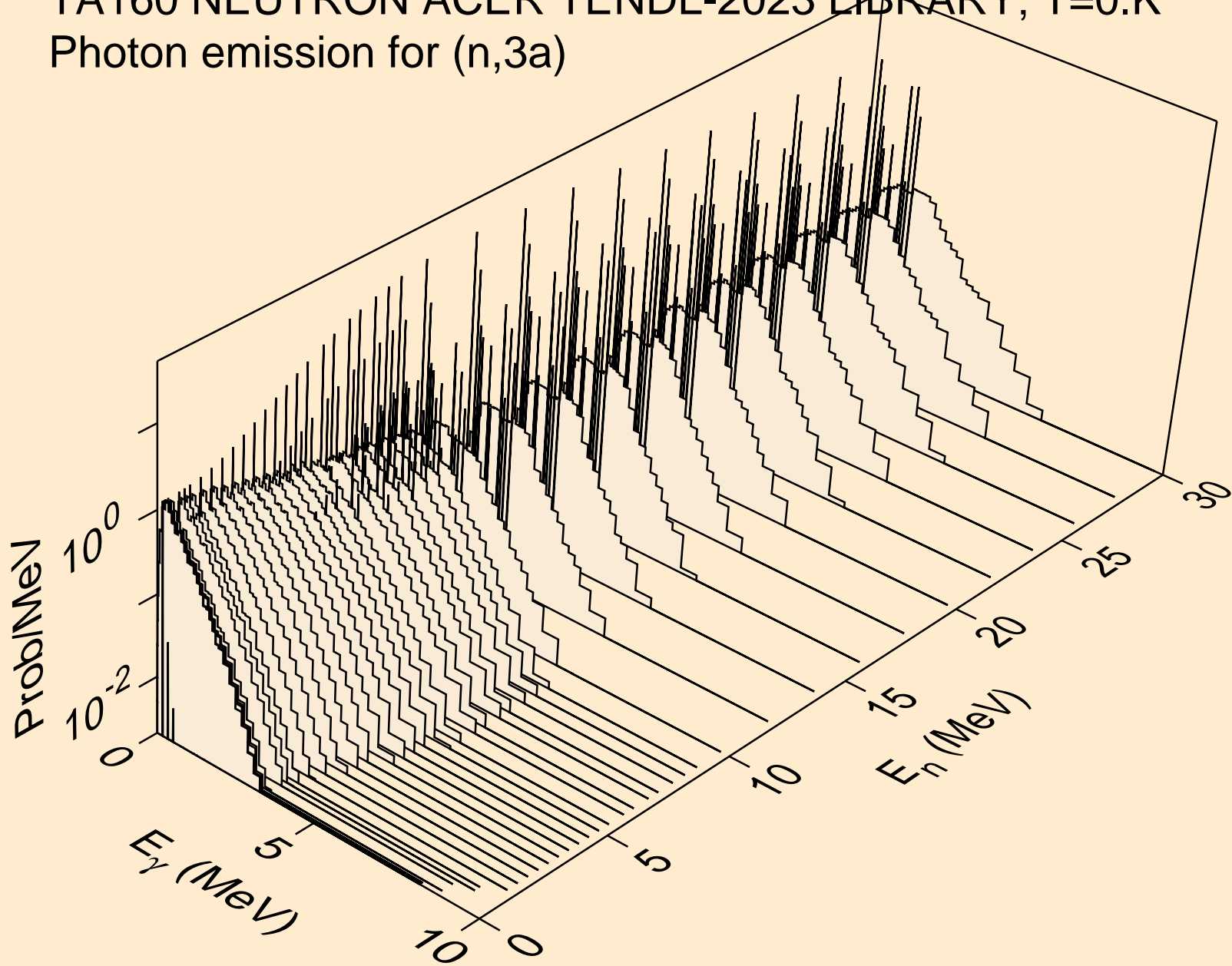


TA160 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2a)

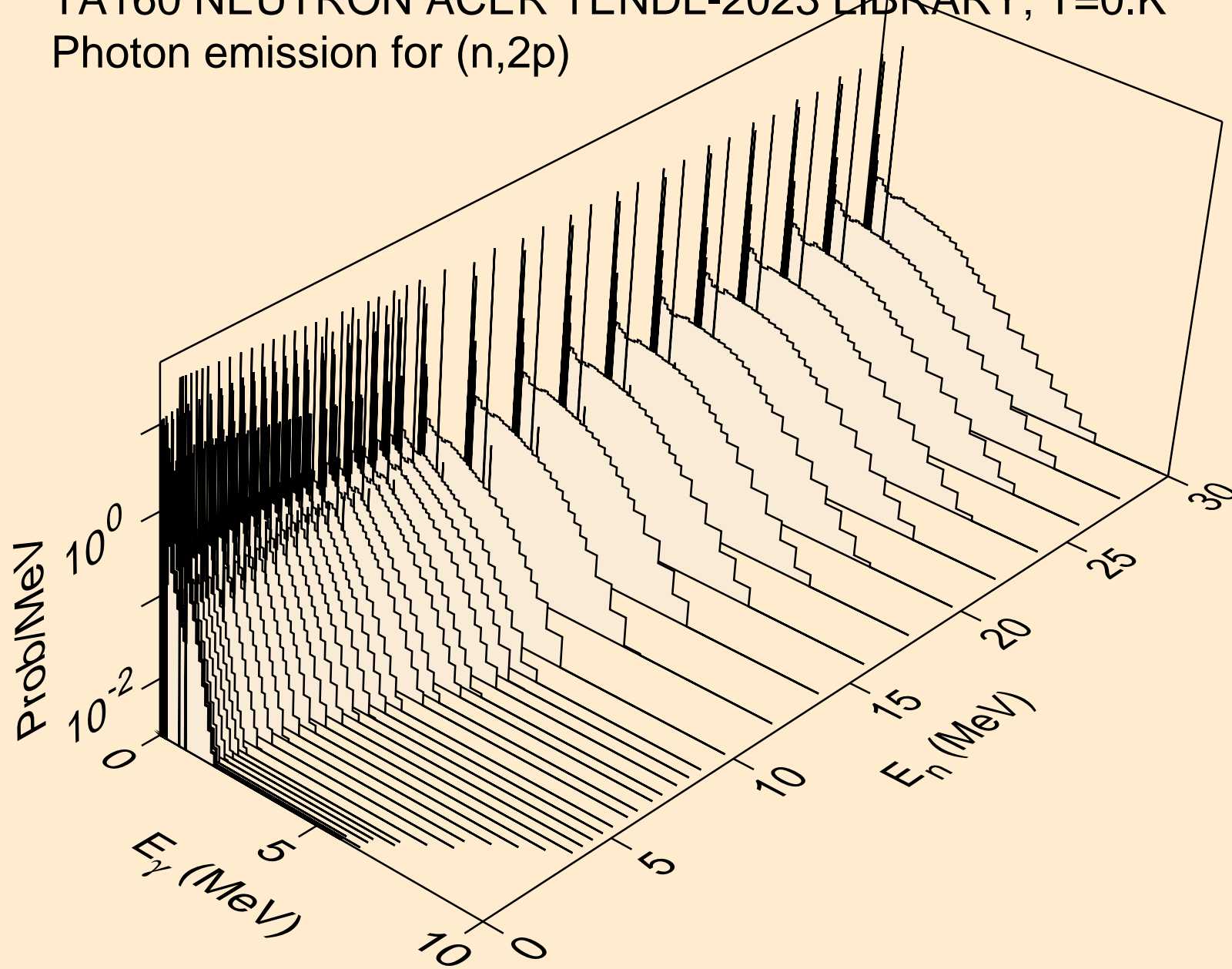




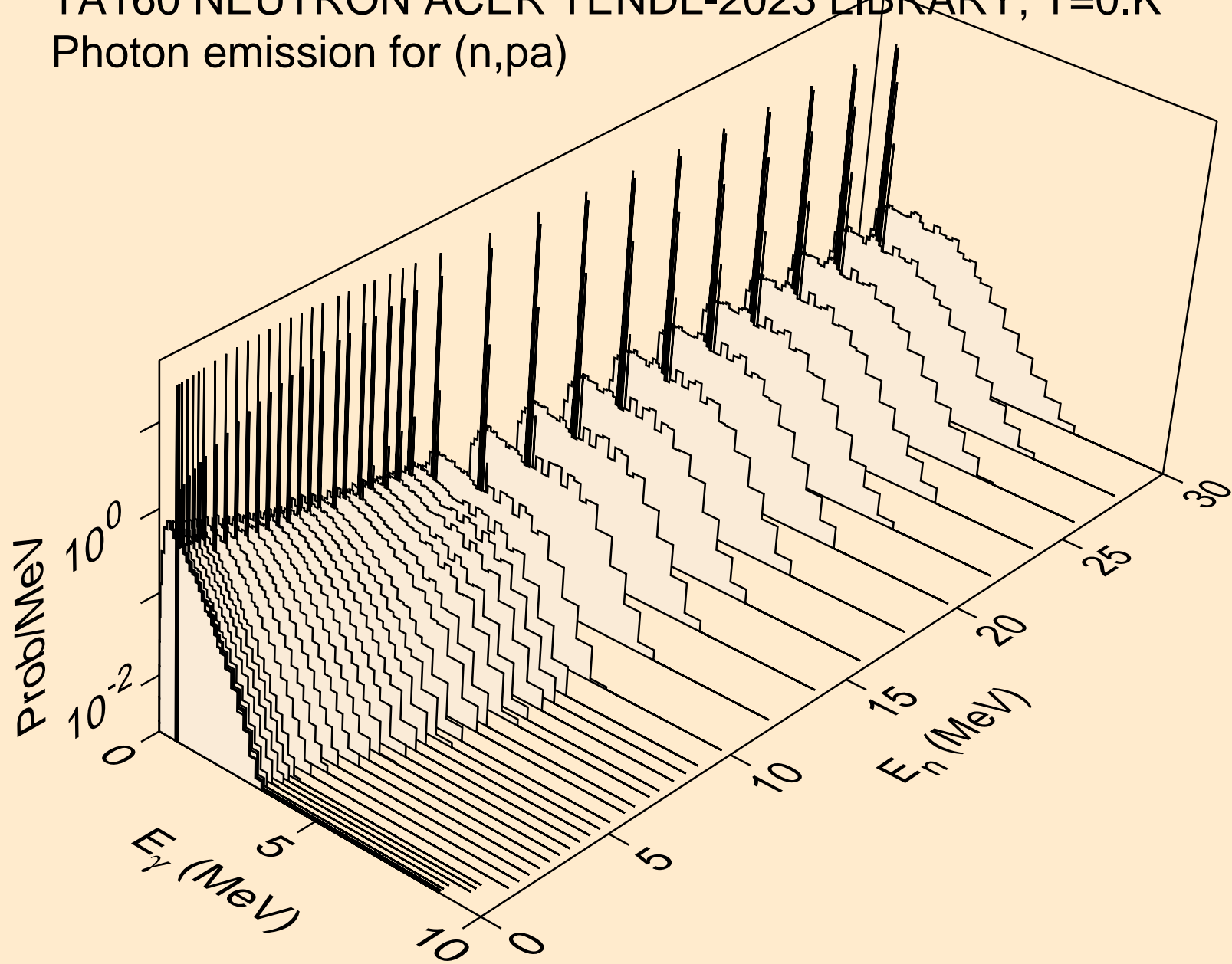
TA160 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3a)



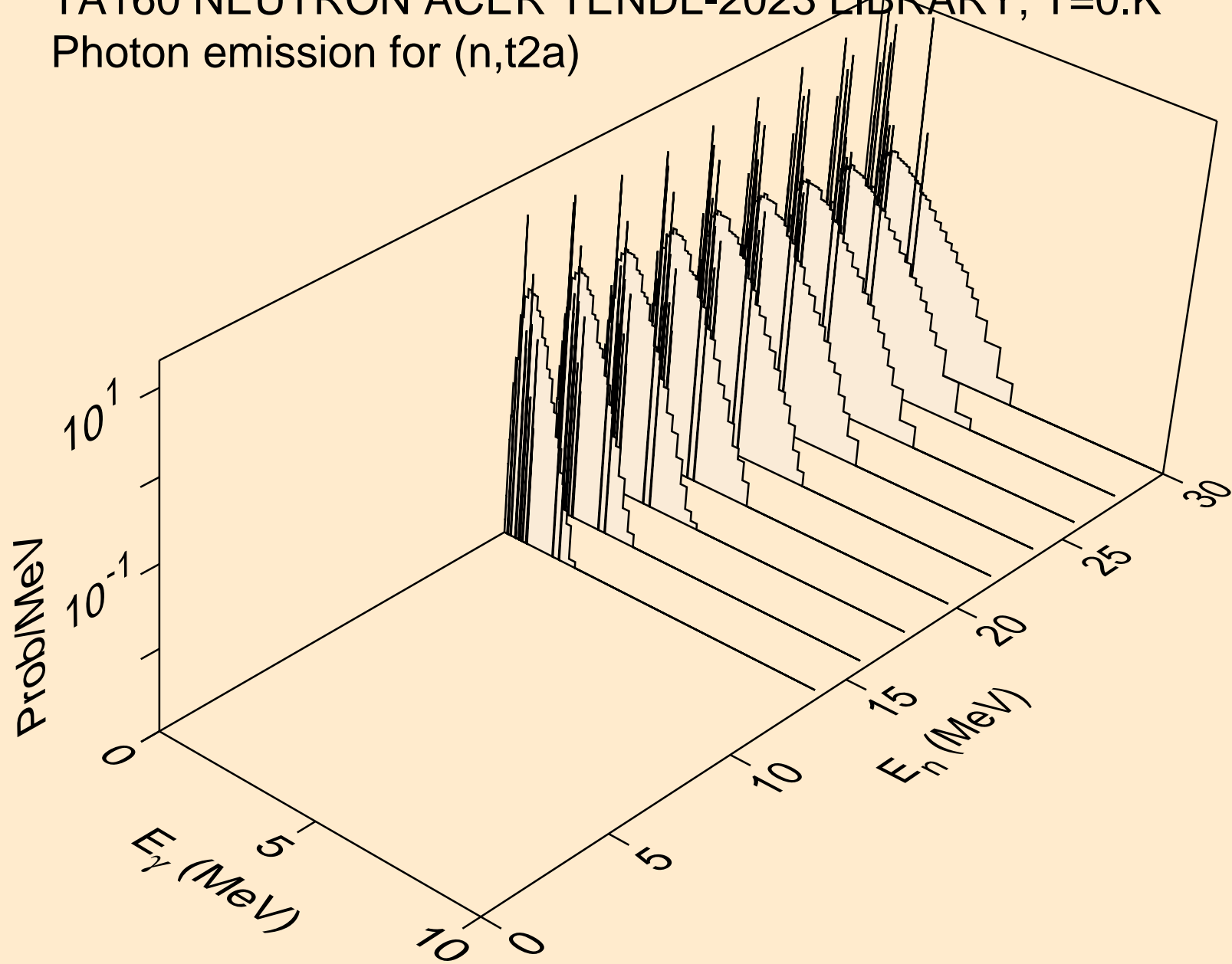
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Photon emission for (n,2p)



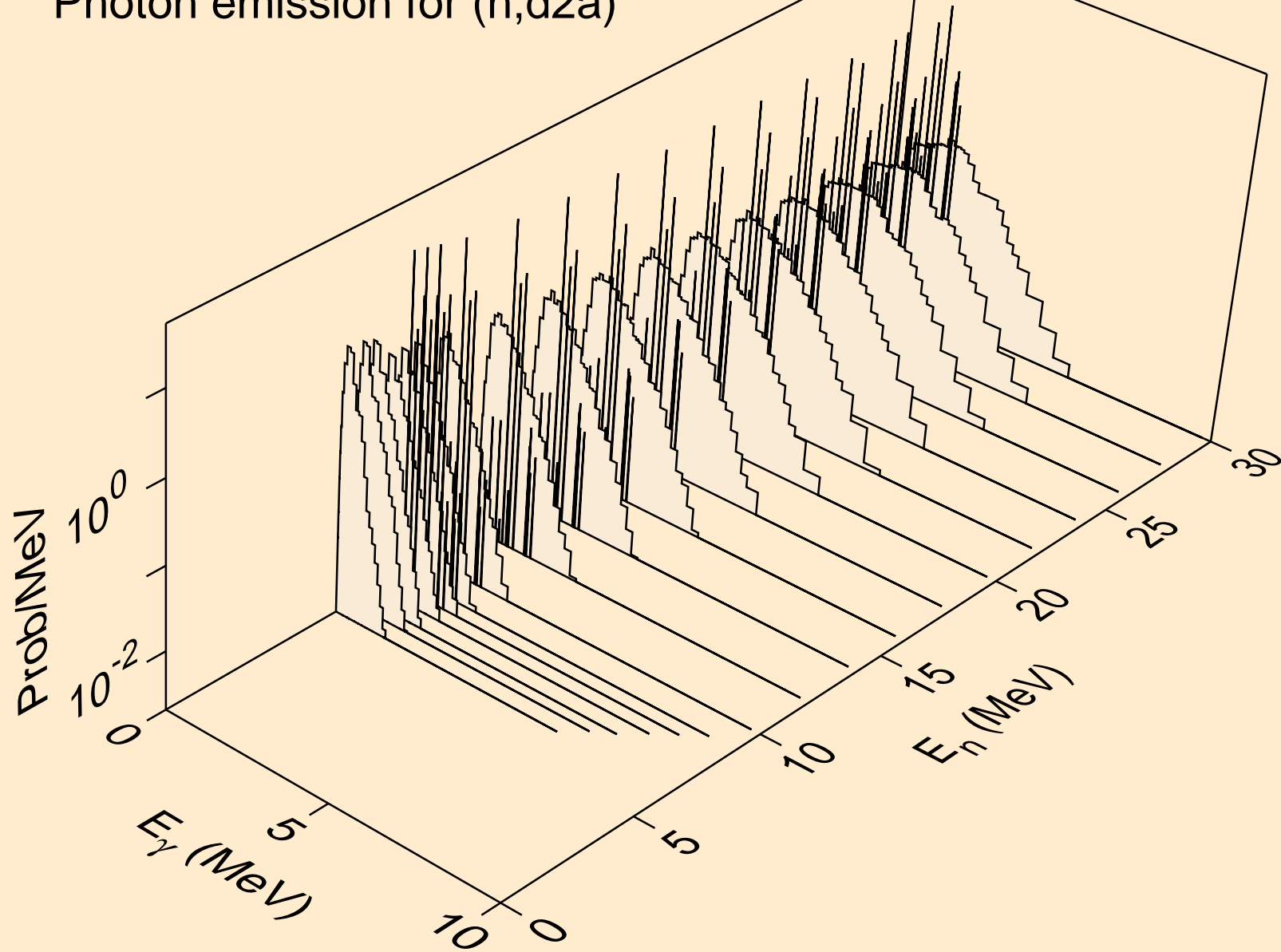
TA160 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p $\alpha$ )



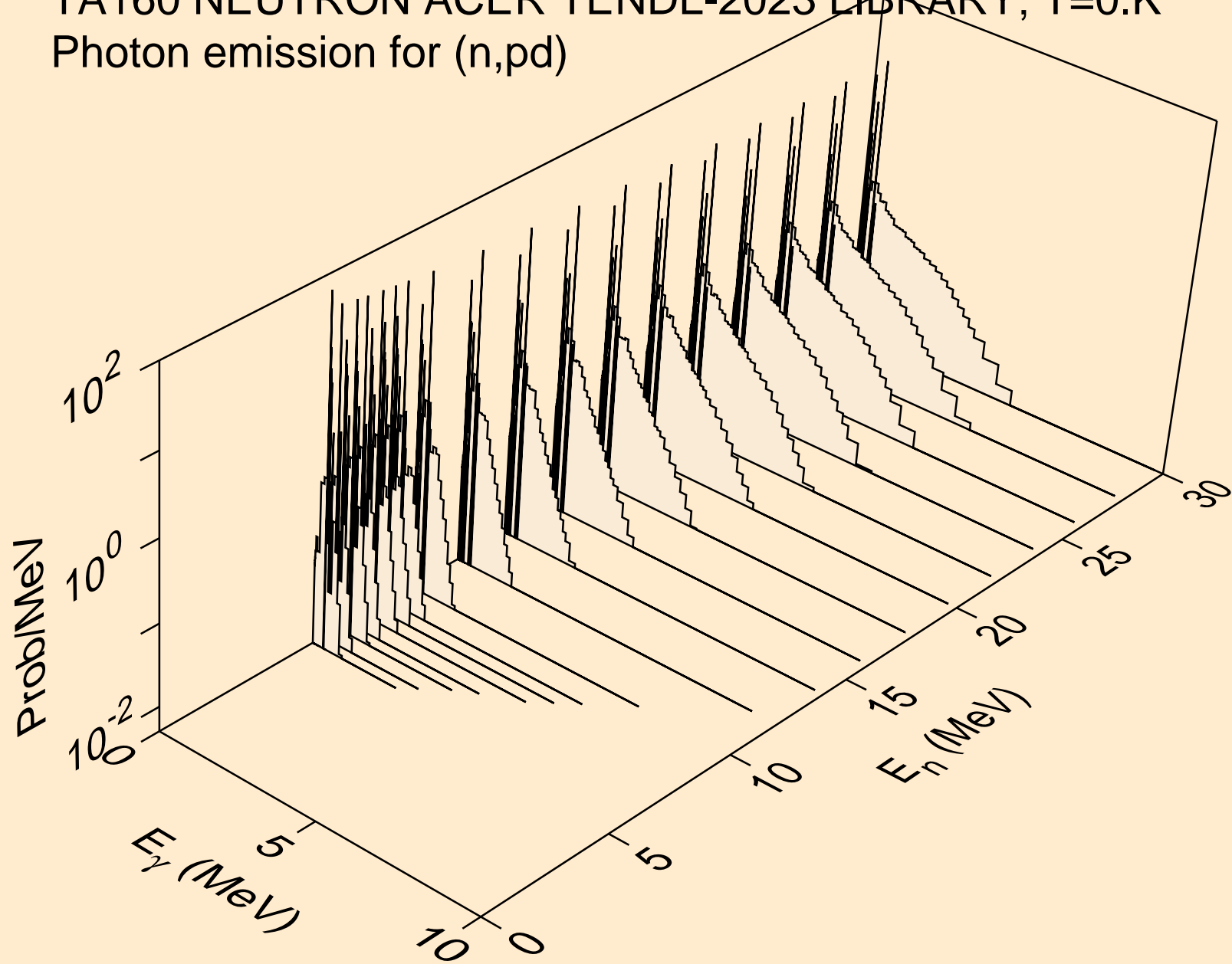
TA160 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t2a)



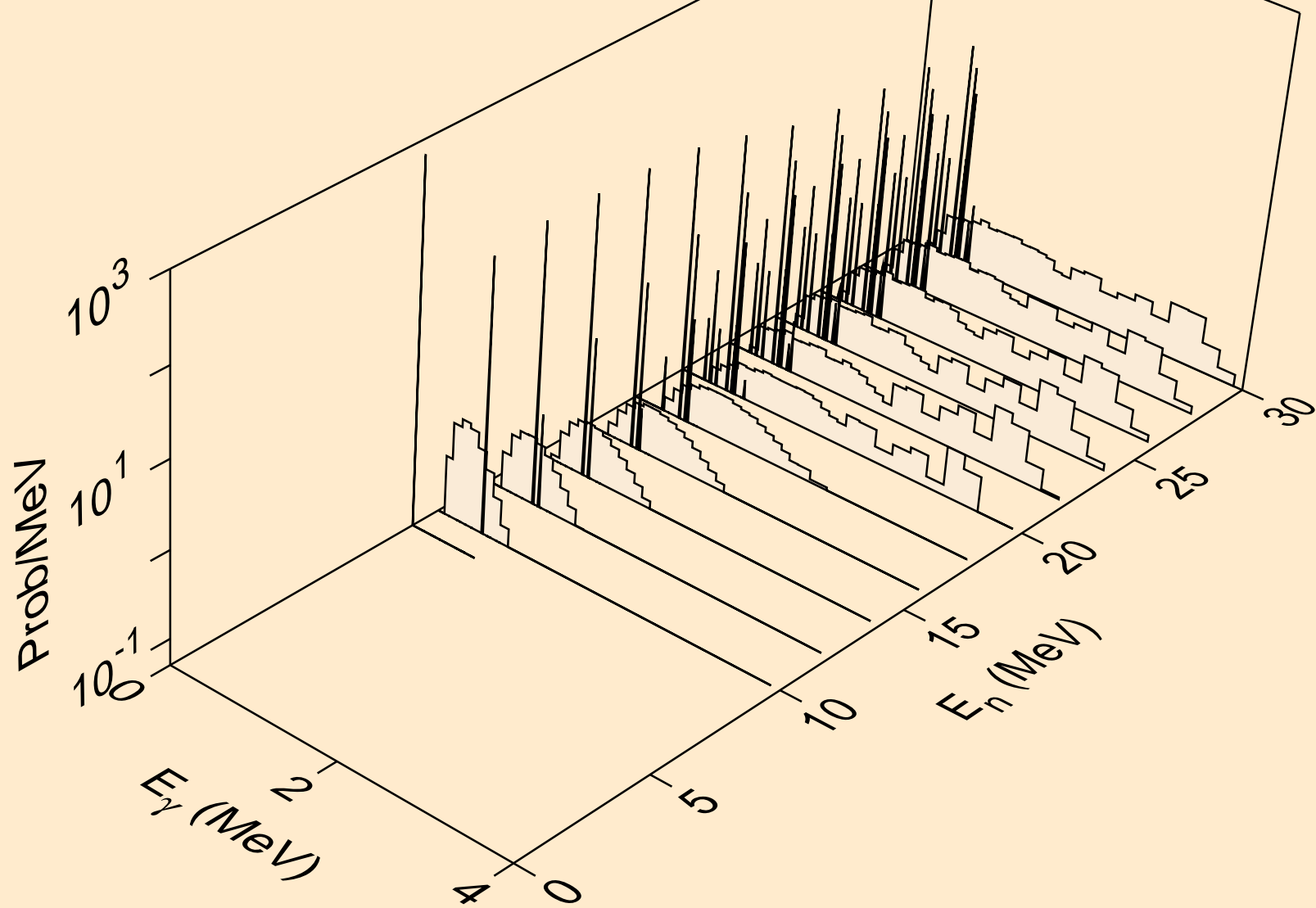
TA160 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d2a)



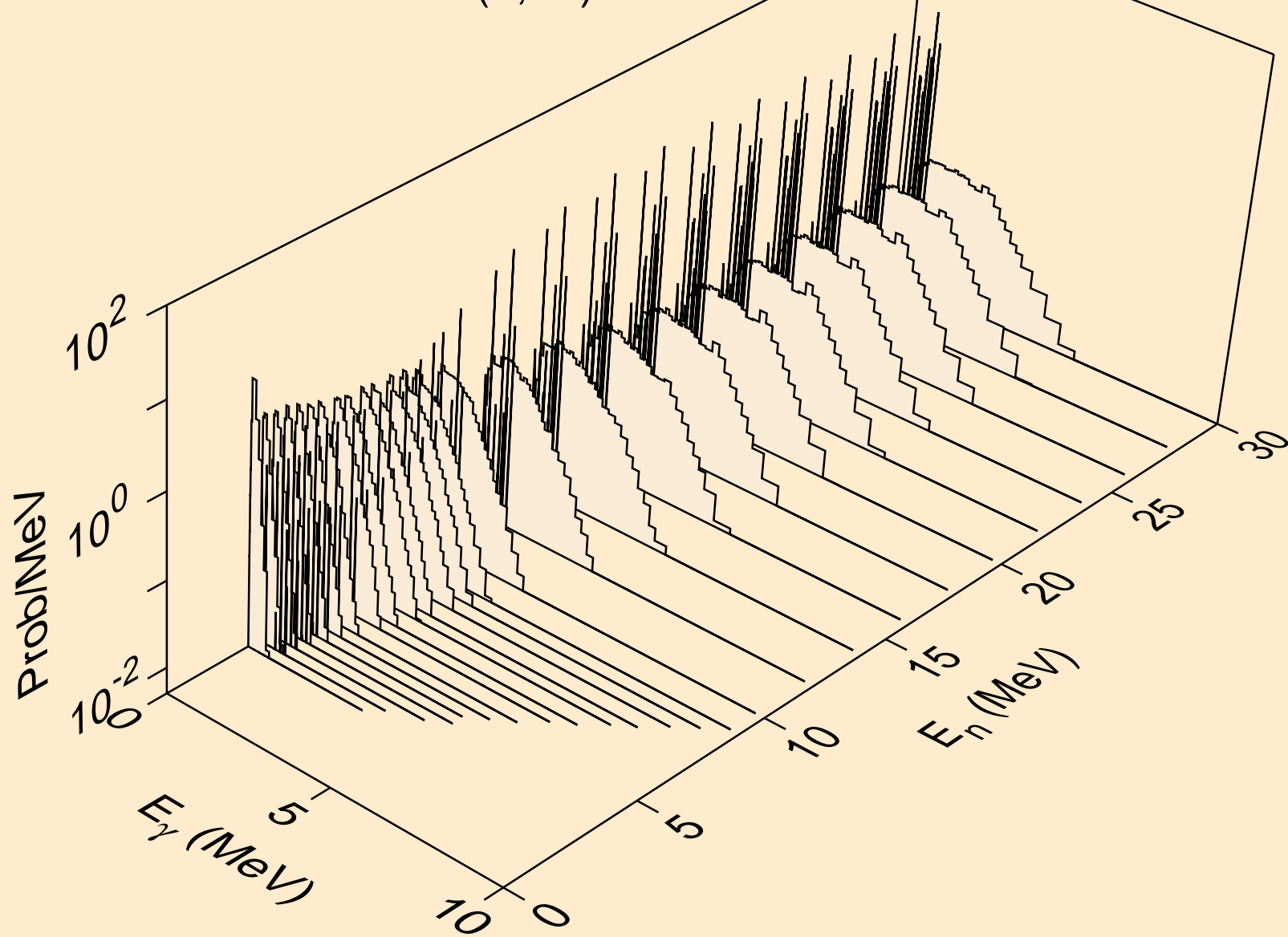
TA160 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)



TA160 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)

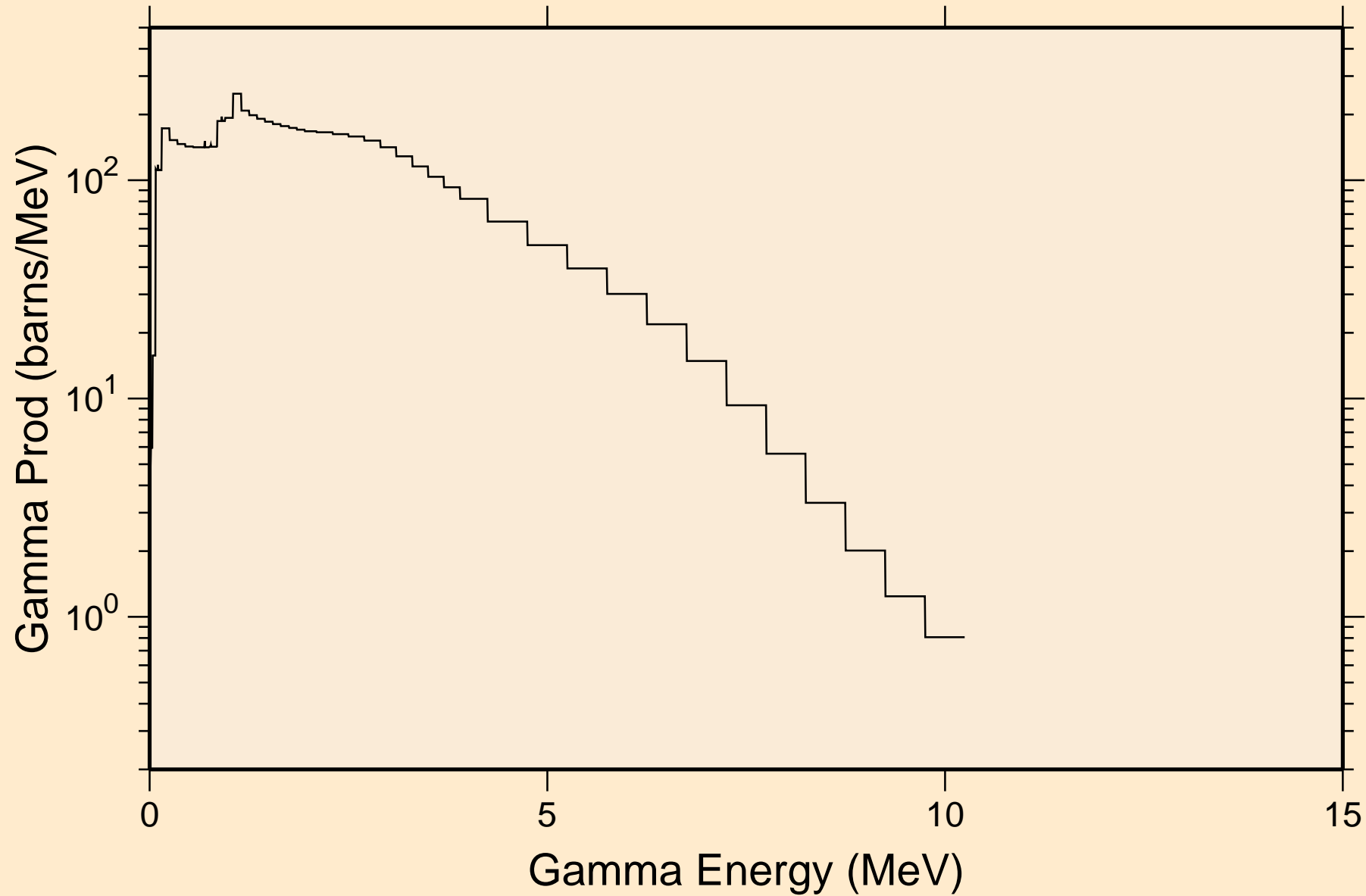


TA160 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)

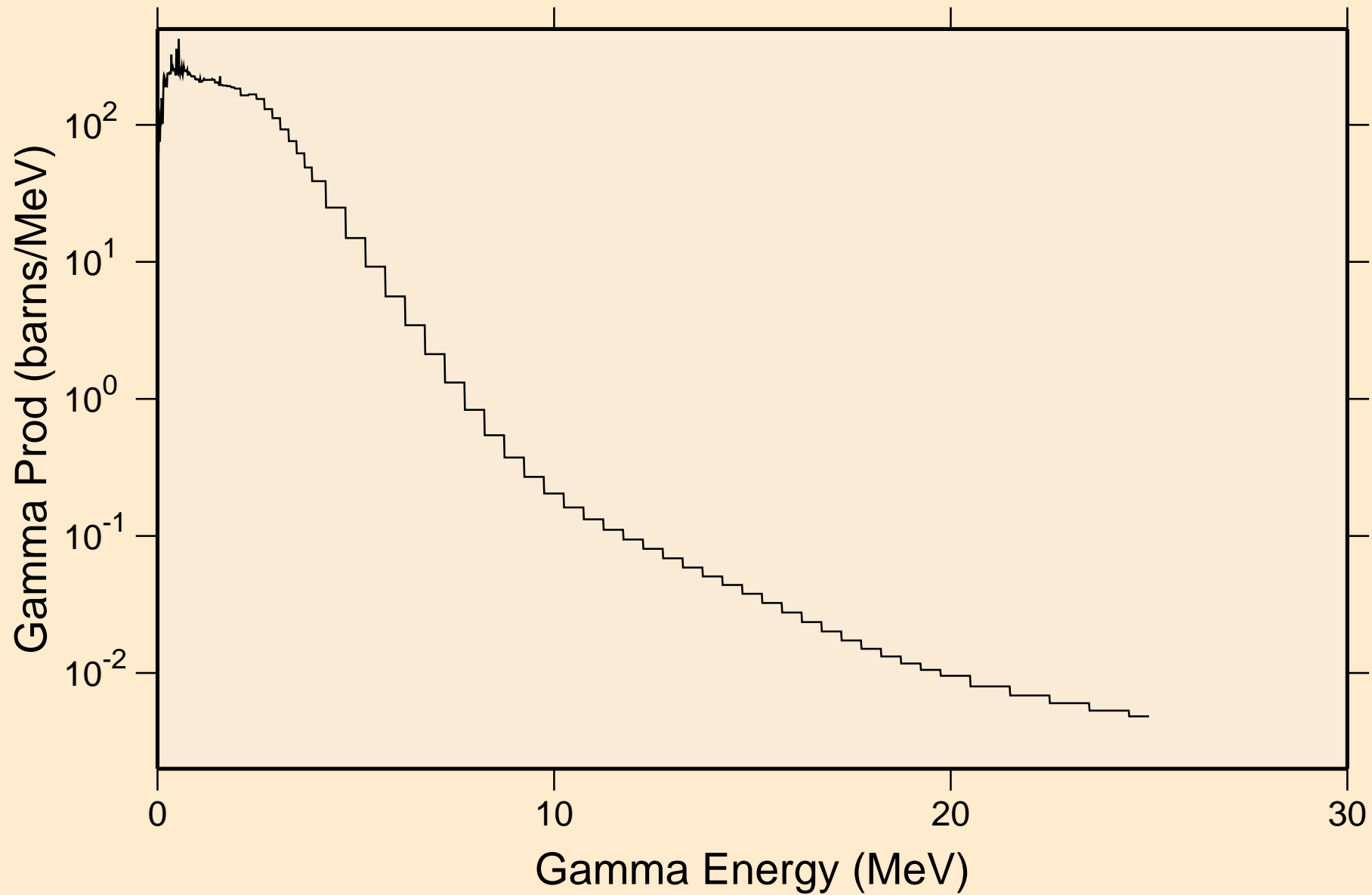




TA160 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
thermal capture photon spectrum

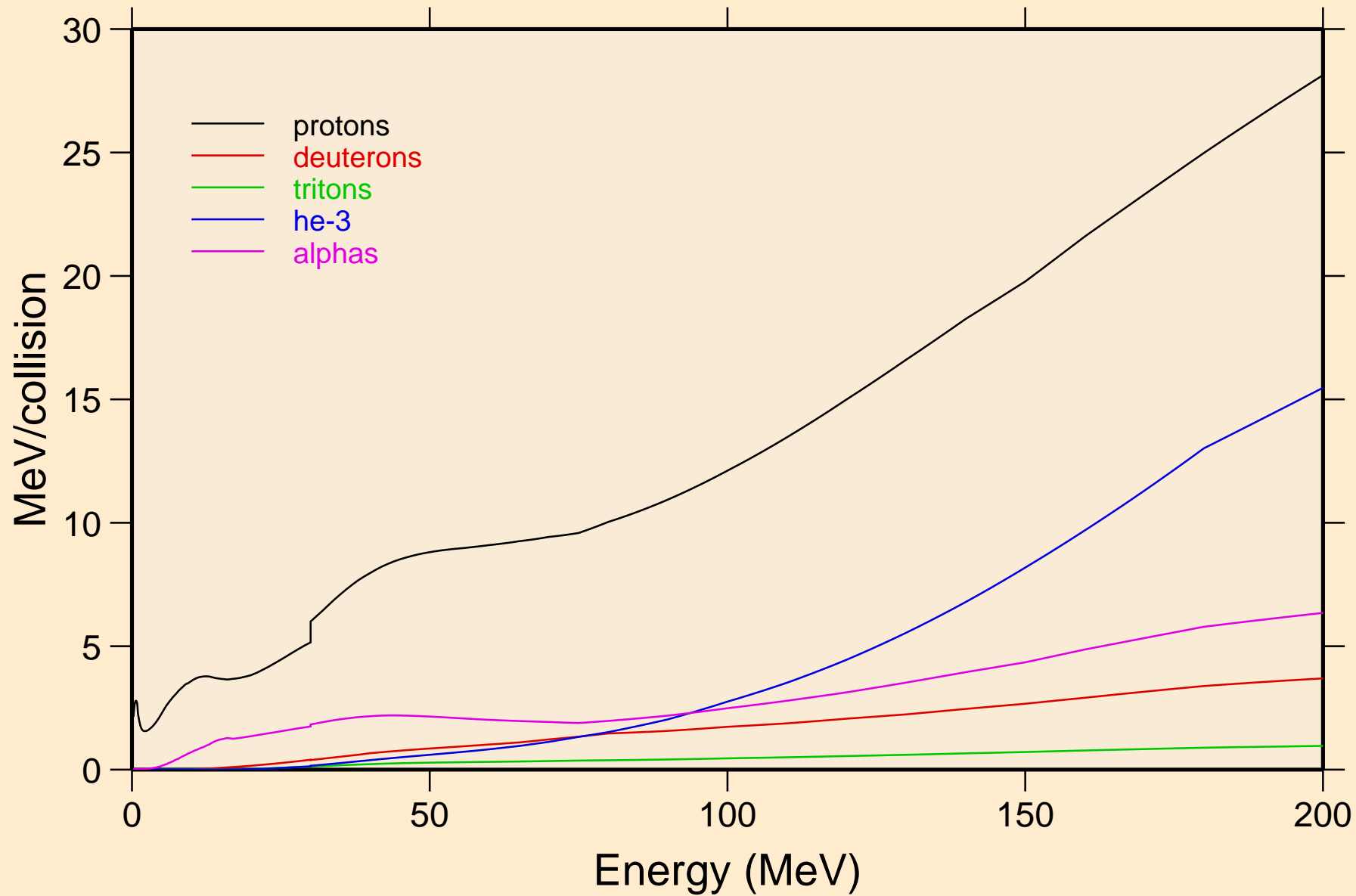


TA160 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
14 MeV photon spectrum

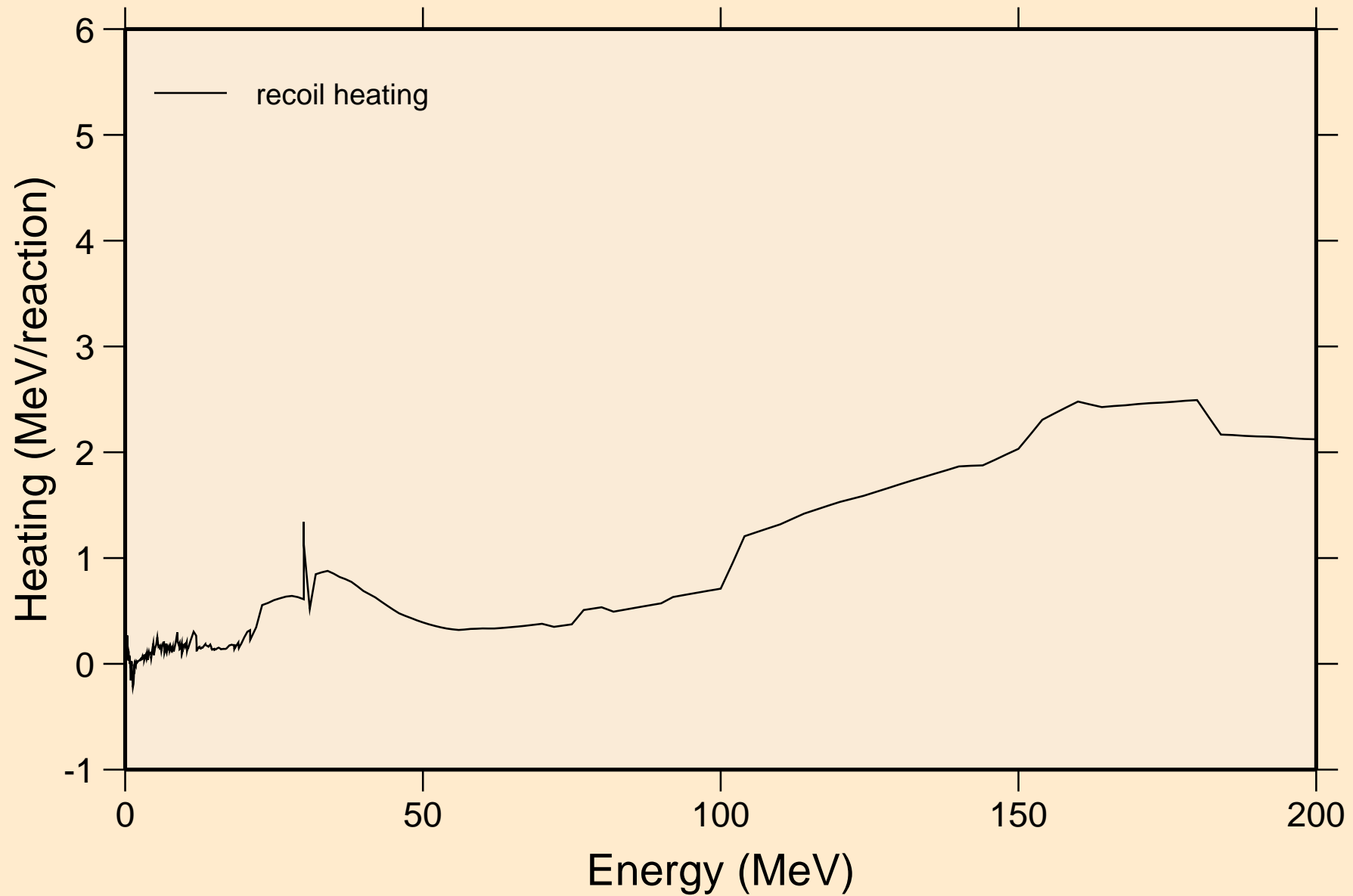


# TA160 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

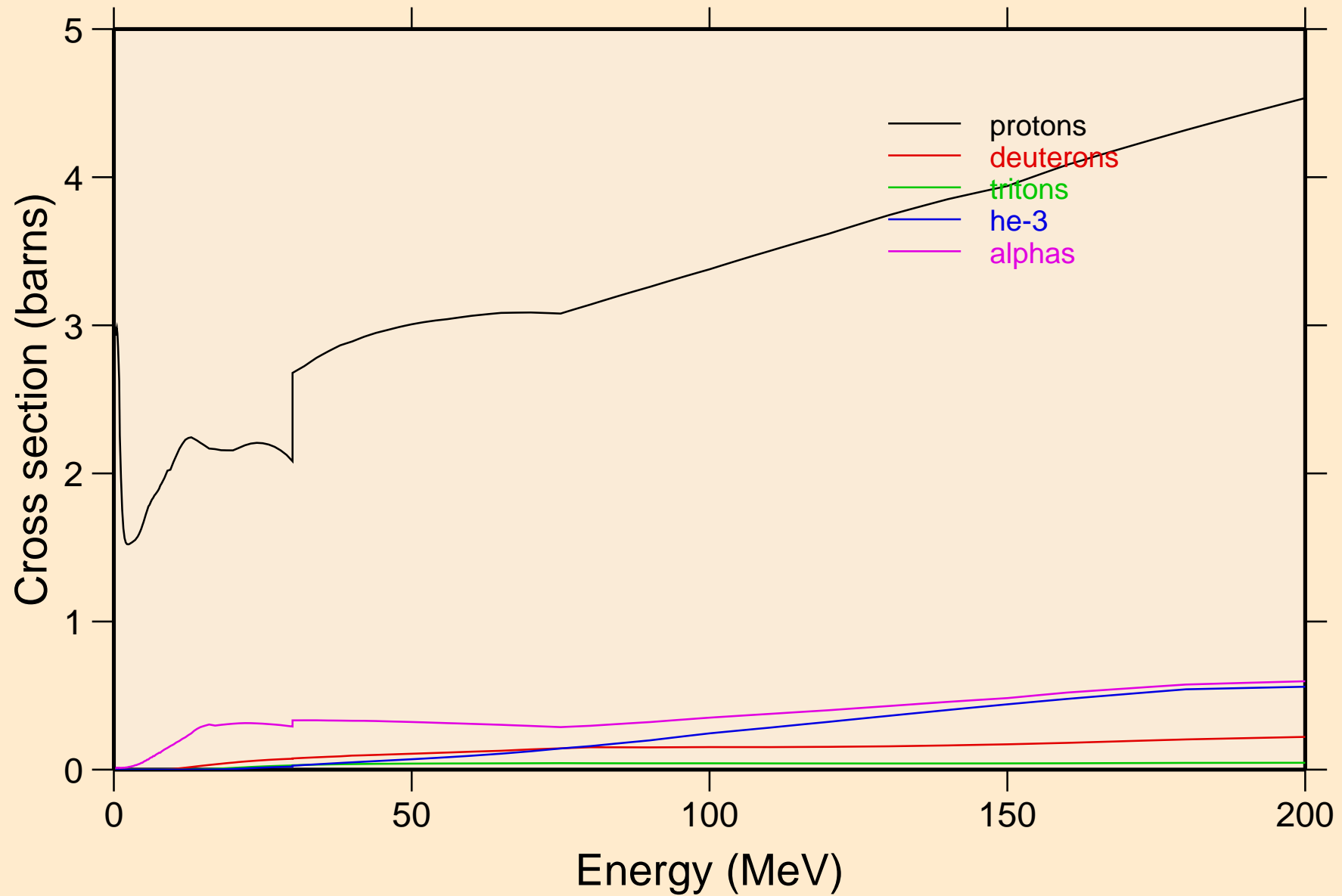
## Particle heating contributions



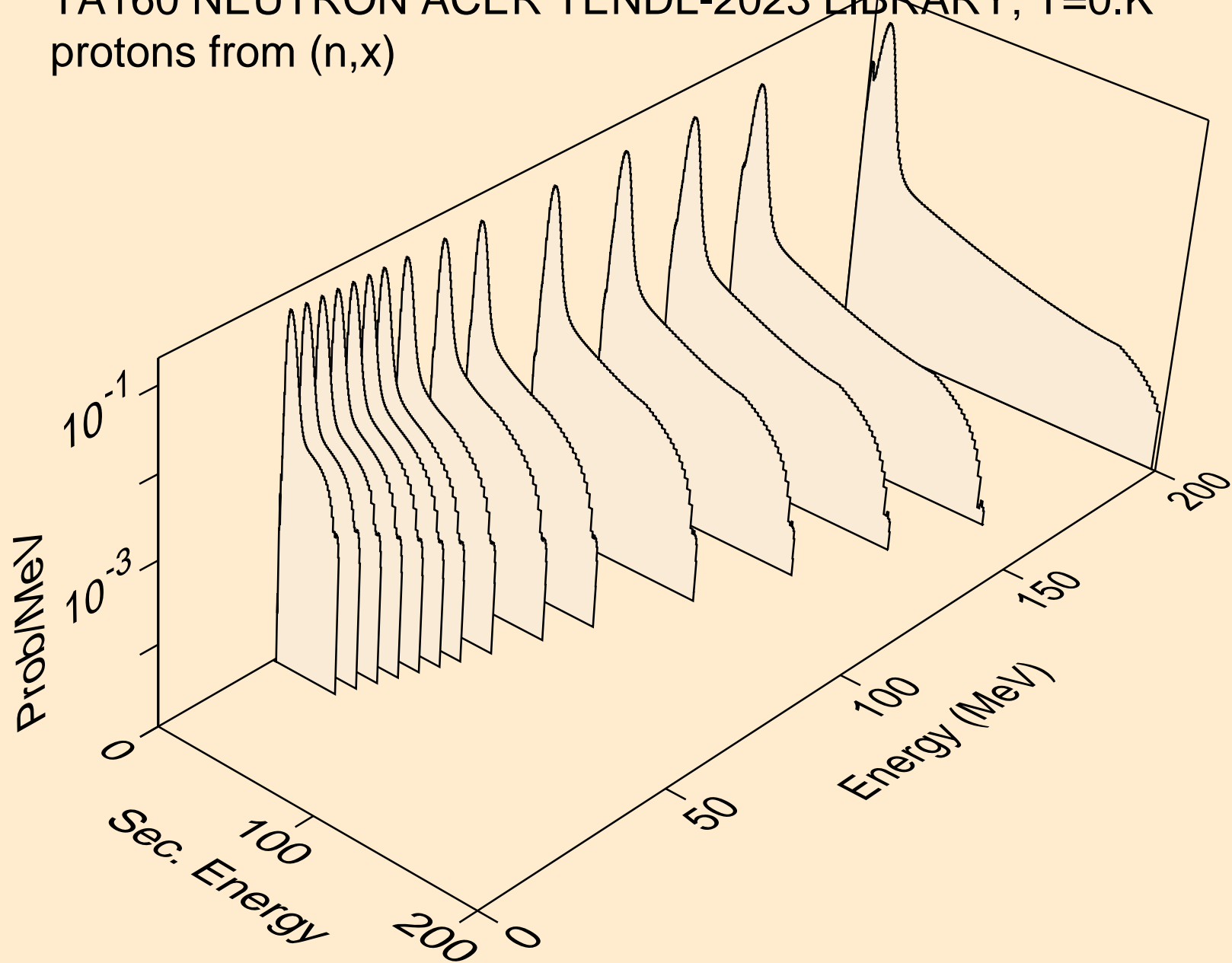
TA160 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating



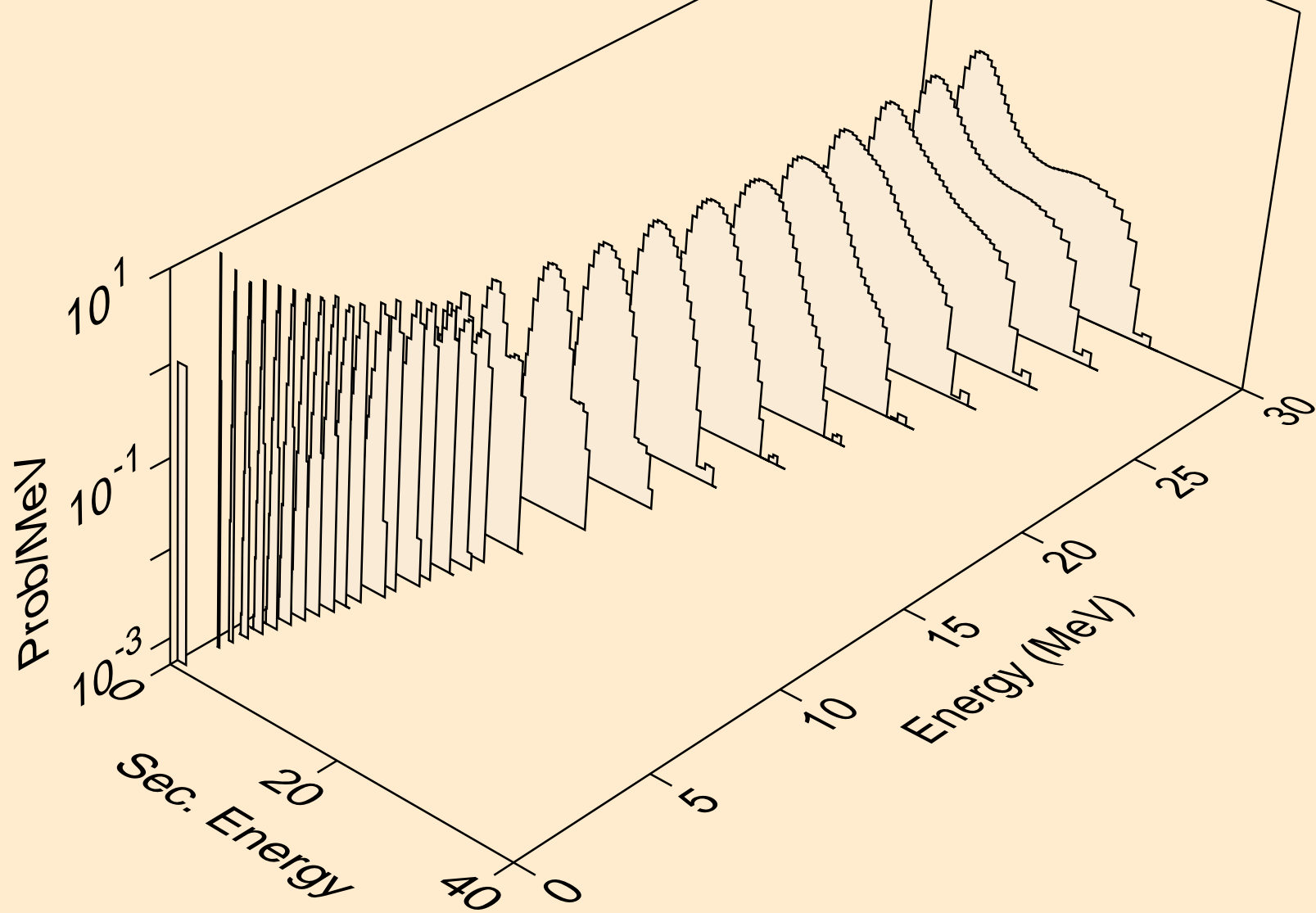
TA160 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Particle production cross sections



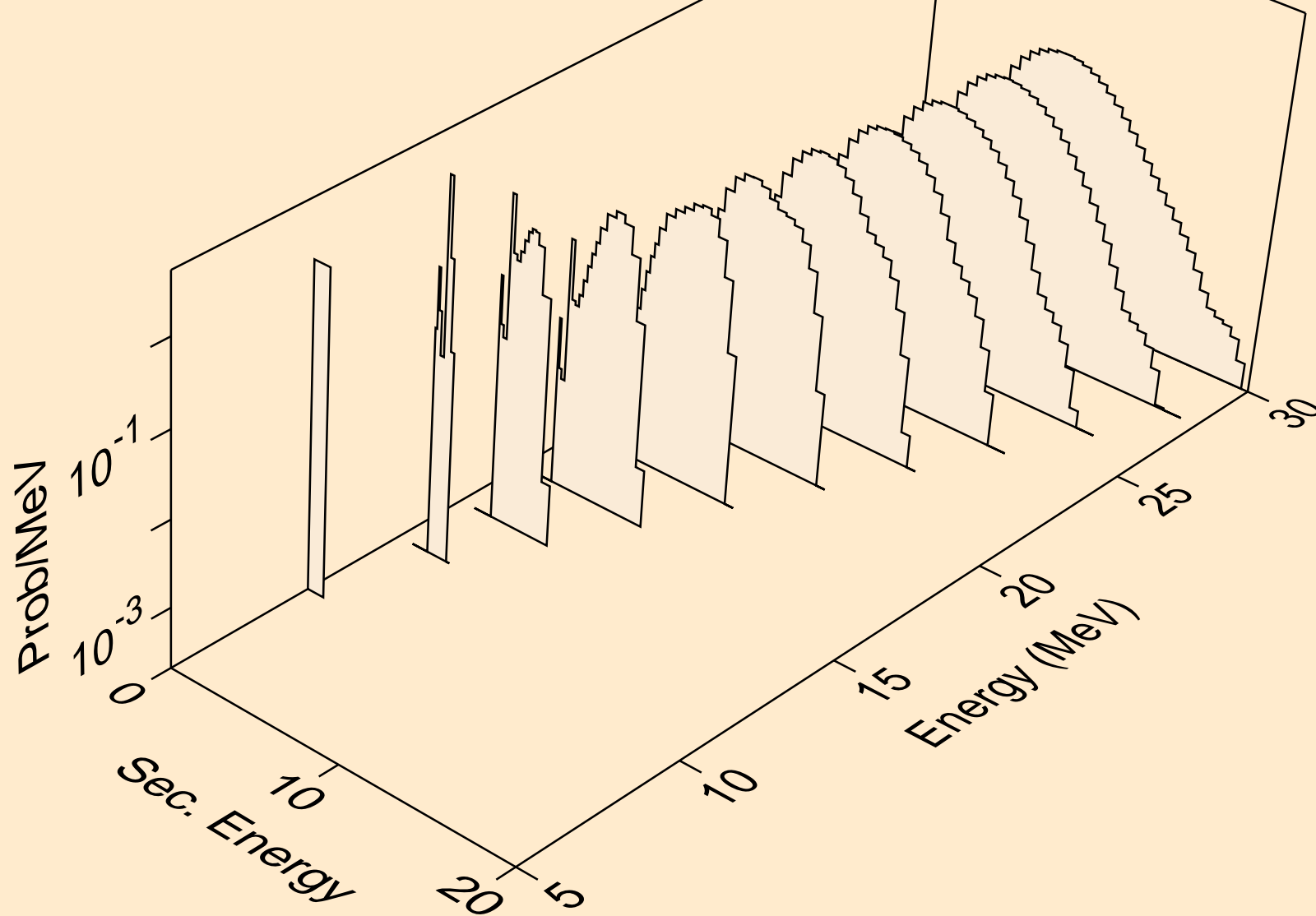
TA160 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,x)



TA160 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n\*)p

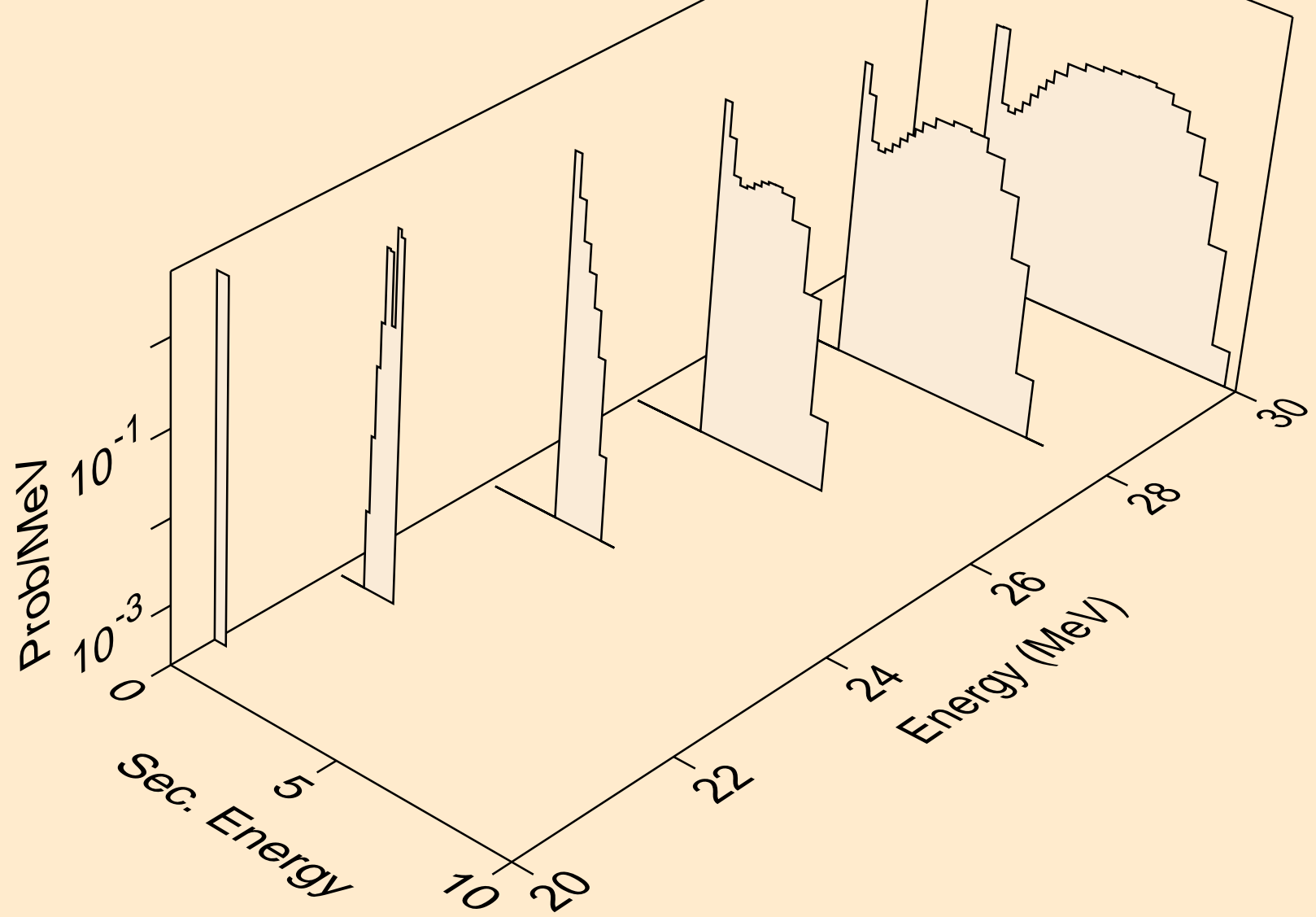


TA160 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,2np)

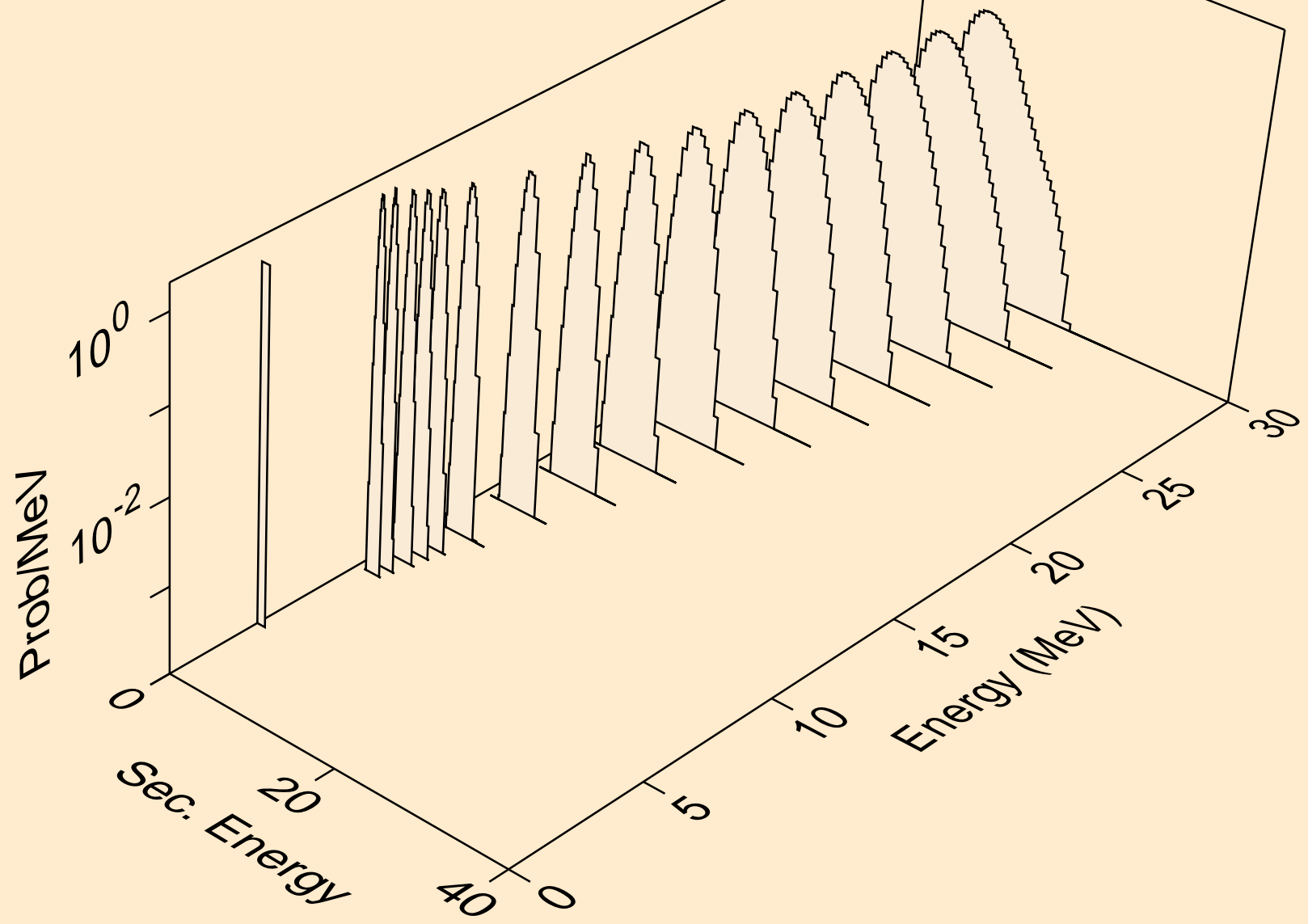




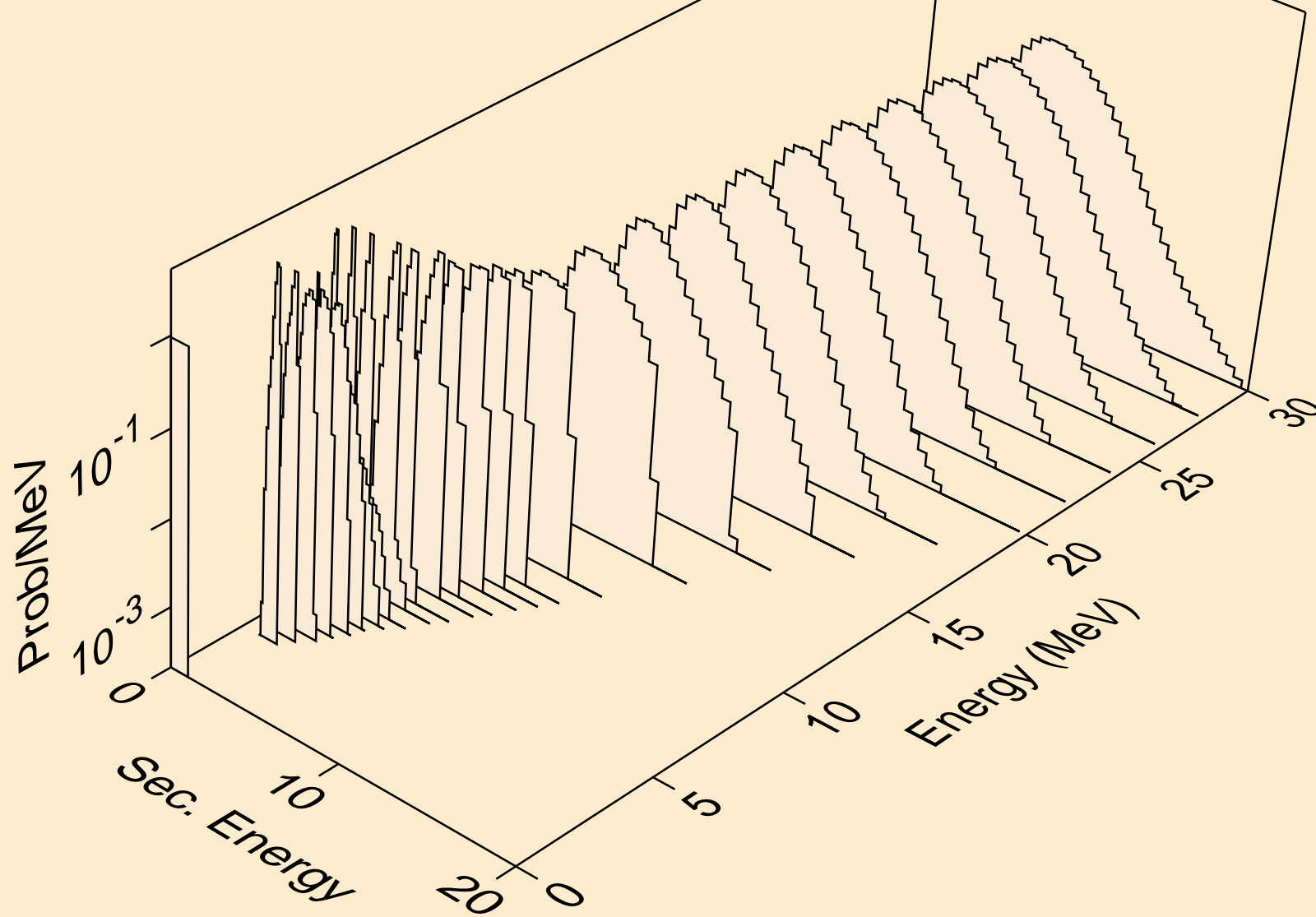
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protons from (n,3np)



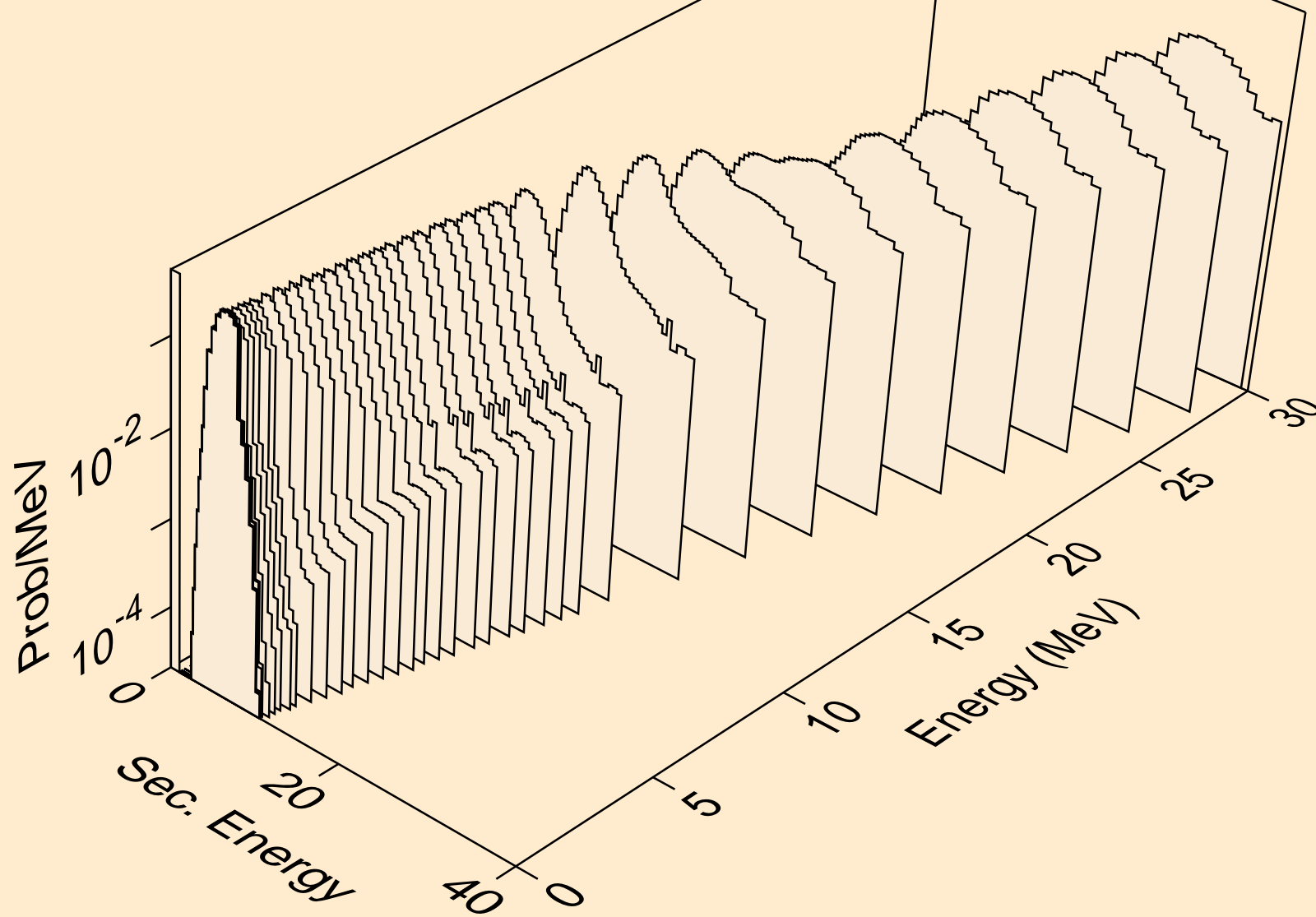
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protons from (n,n2p)



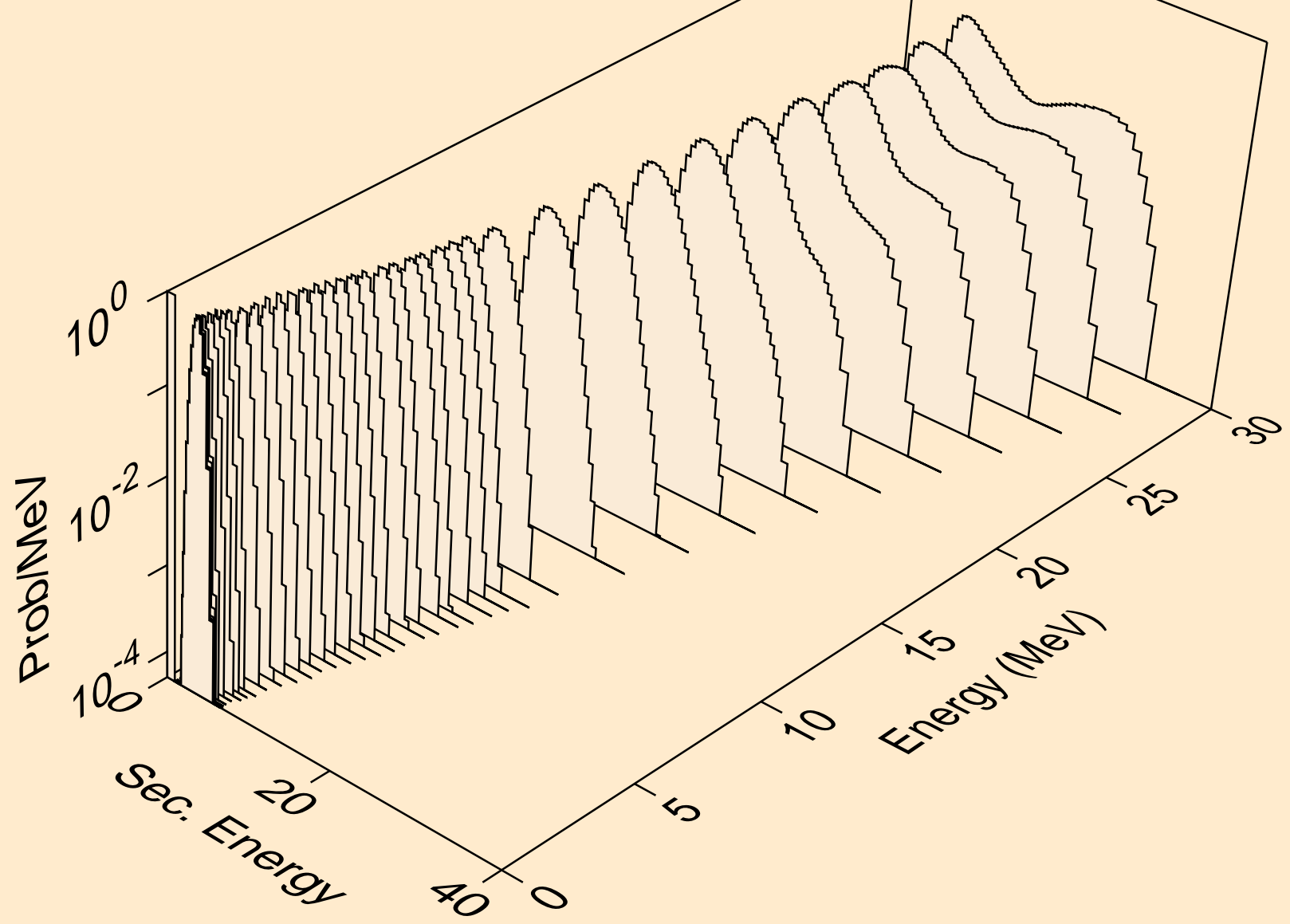
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protons from (n,npa)



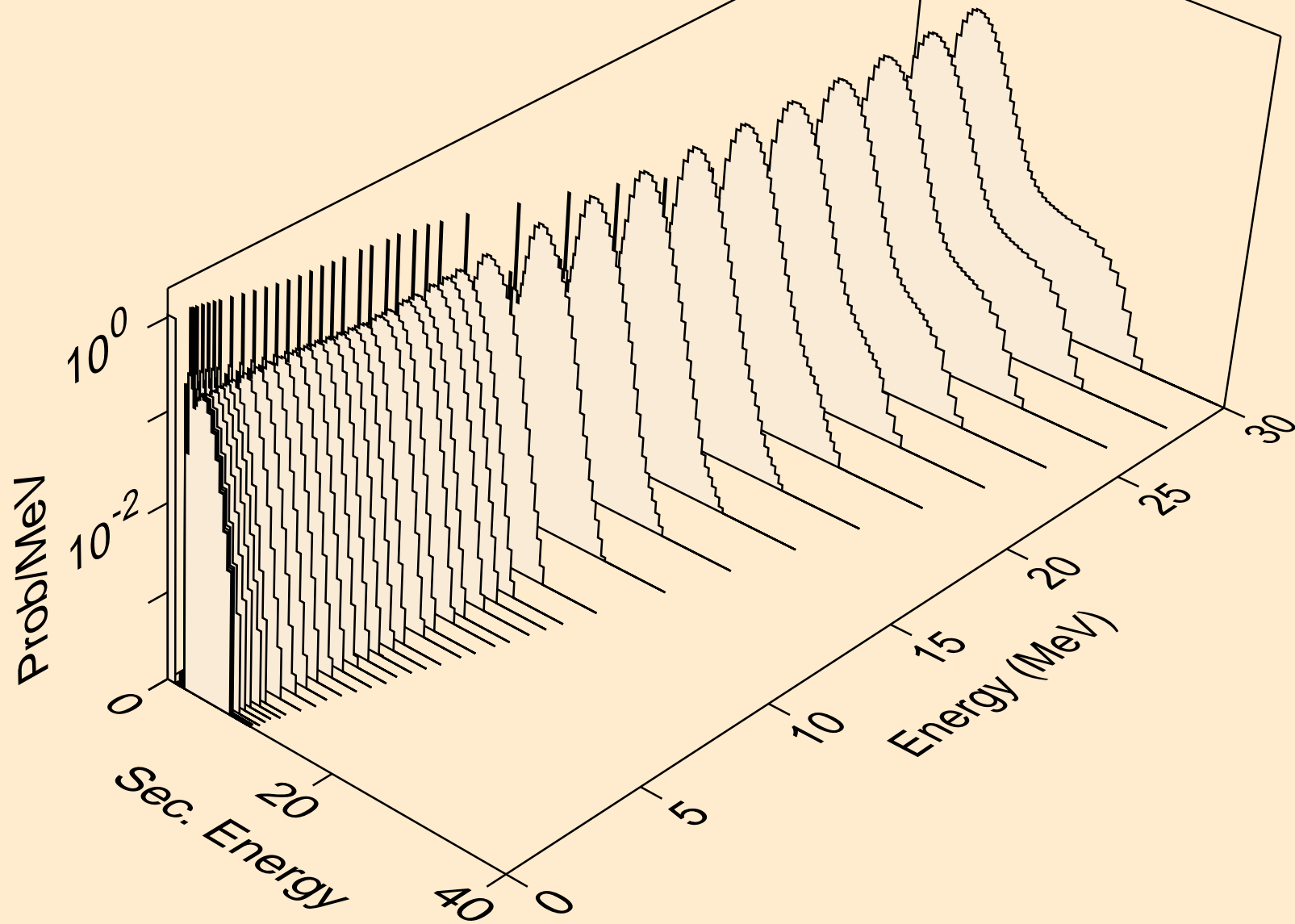
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protons from (n,p)



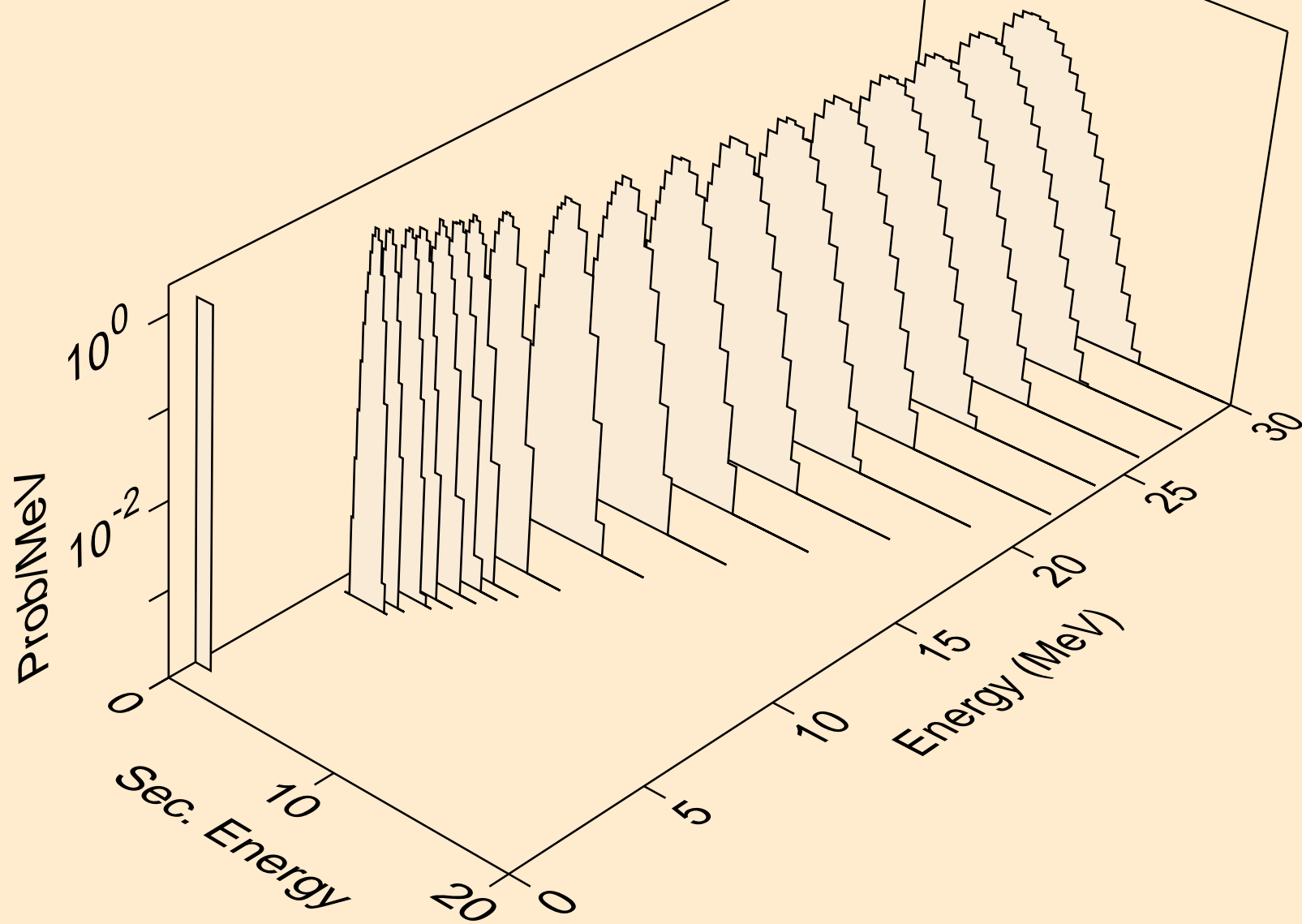
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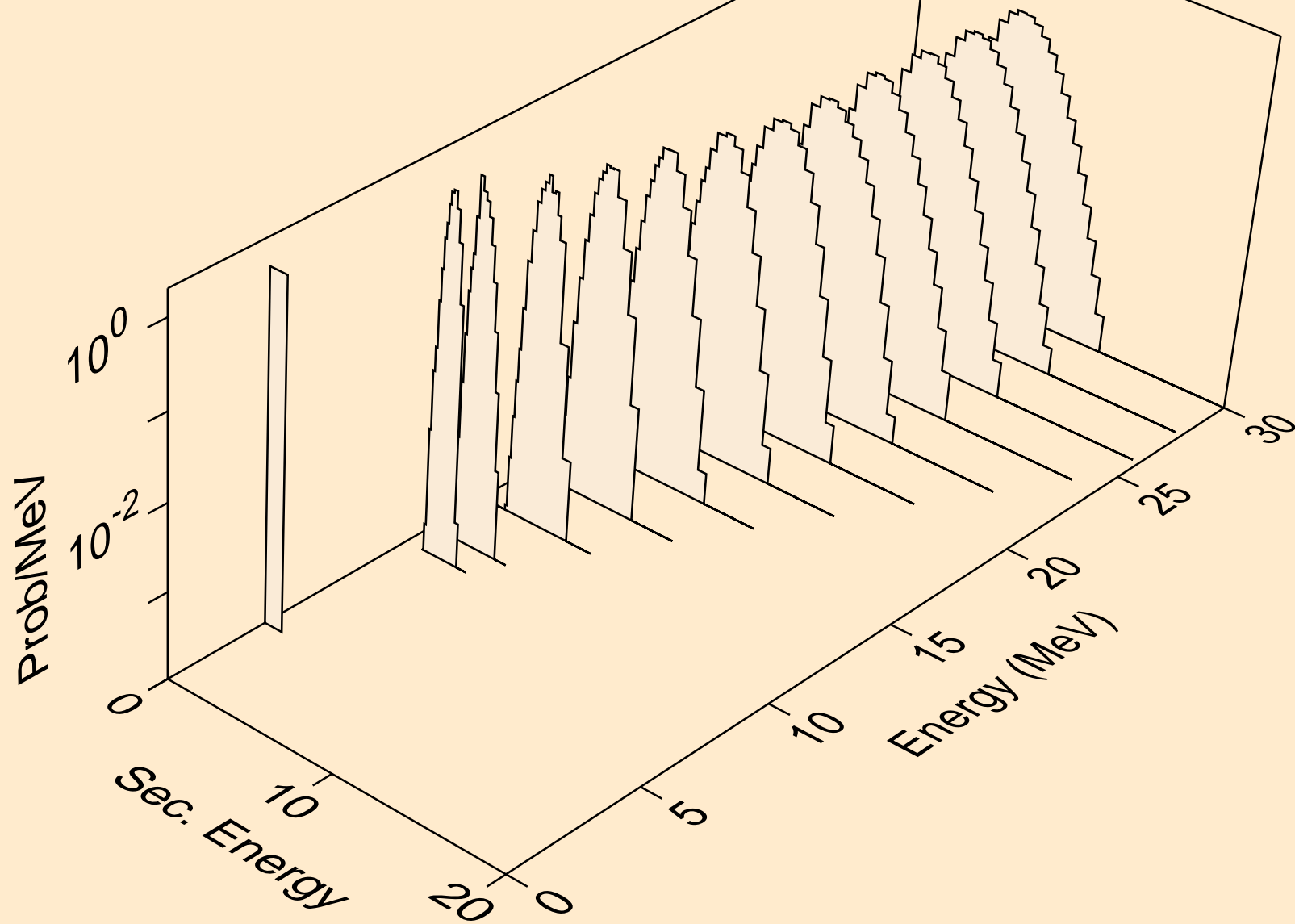
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protons from (n,p)



TA160 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,pd)

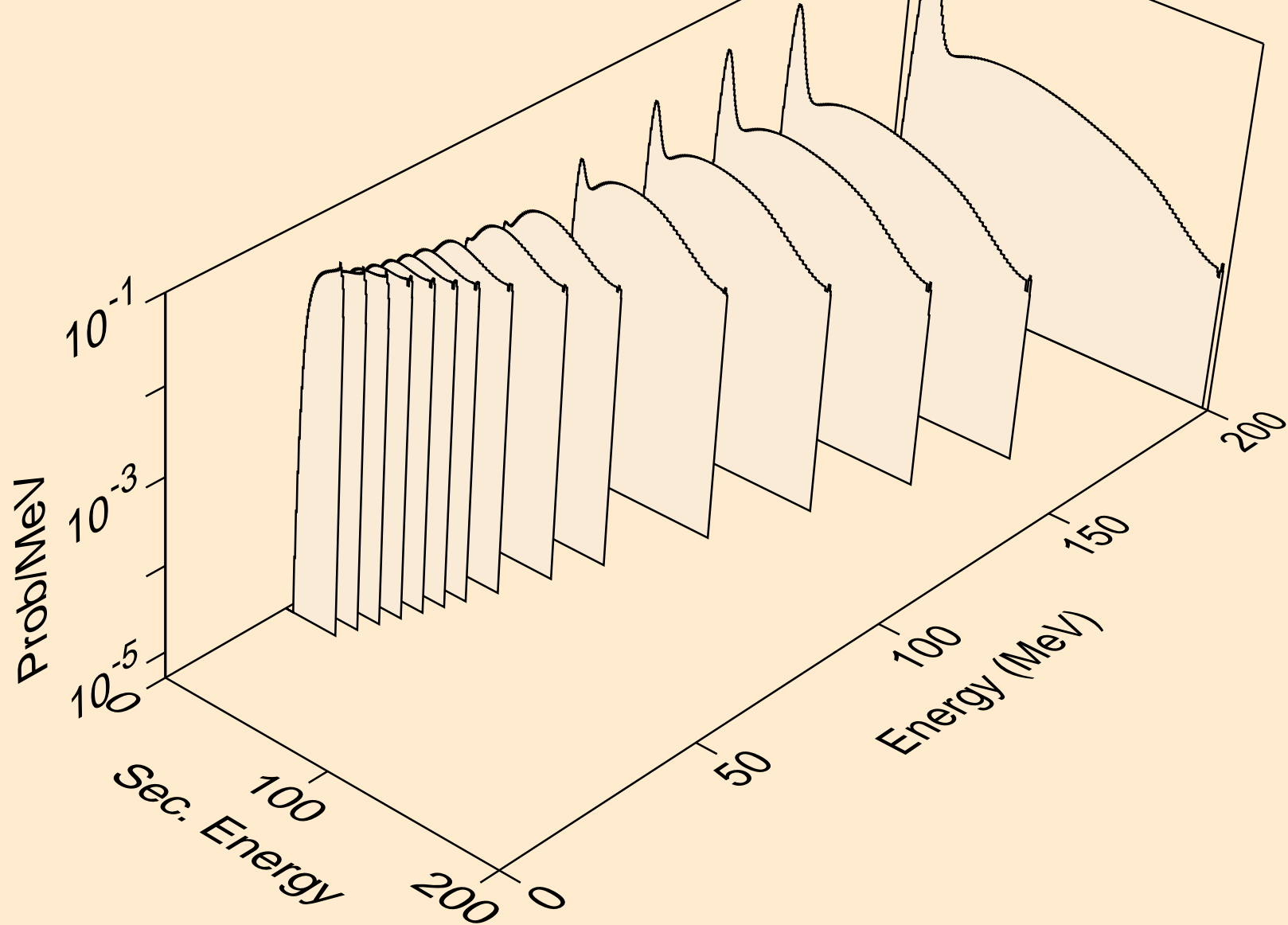


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protons from (n,pt)

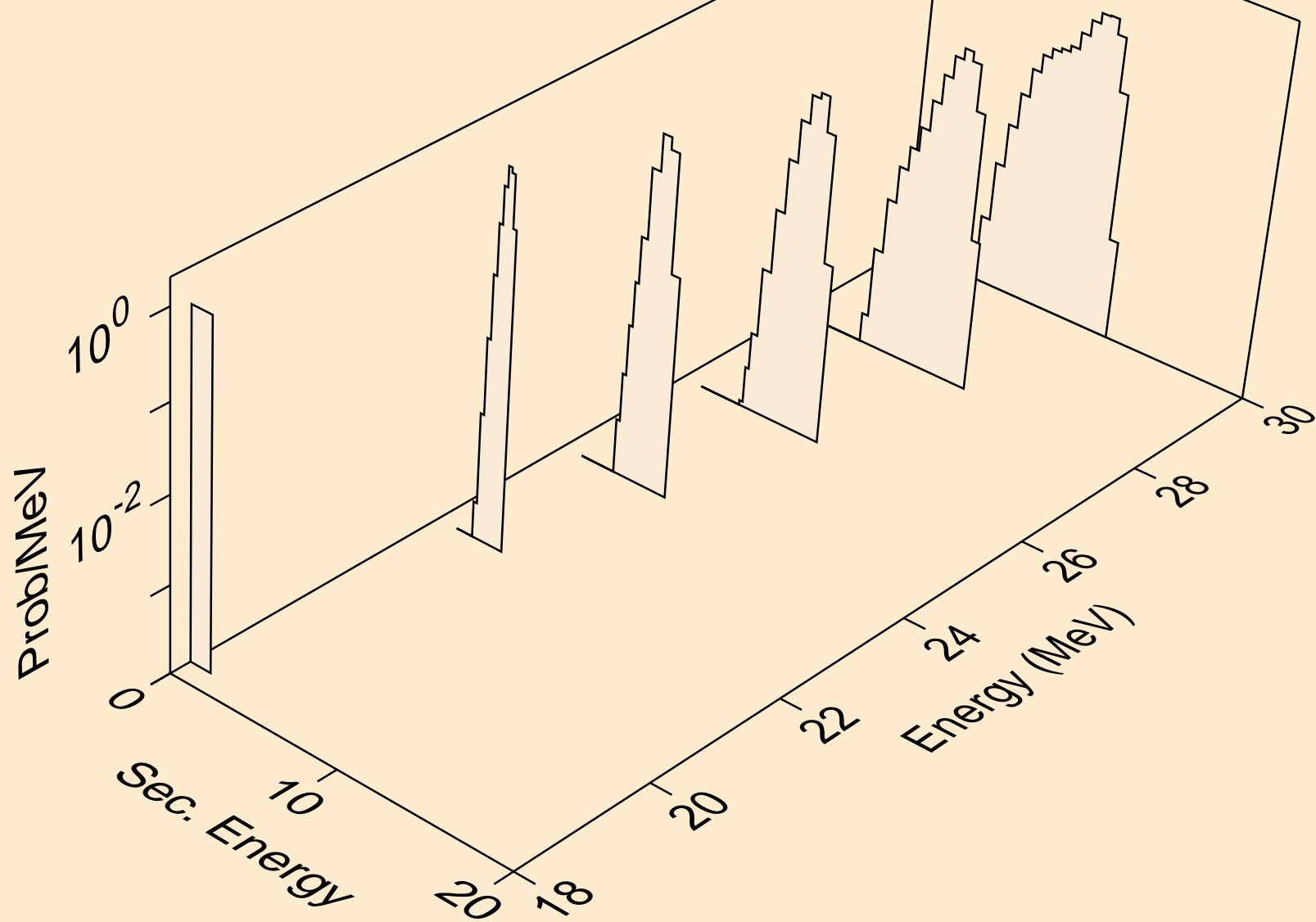




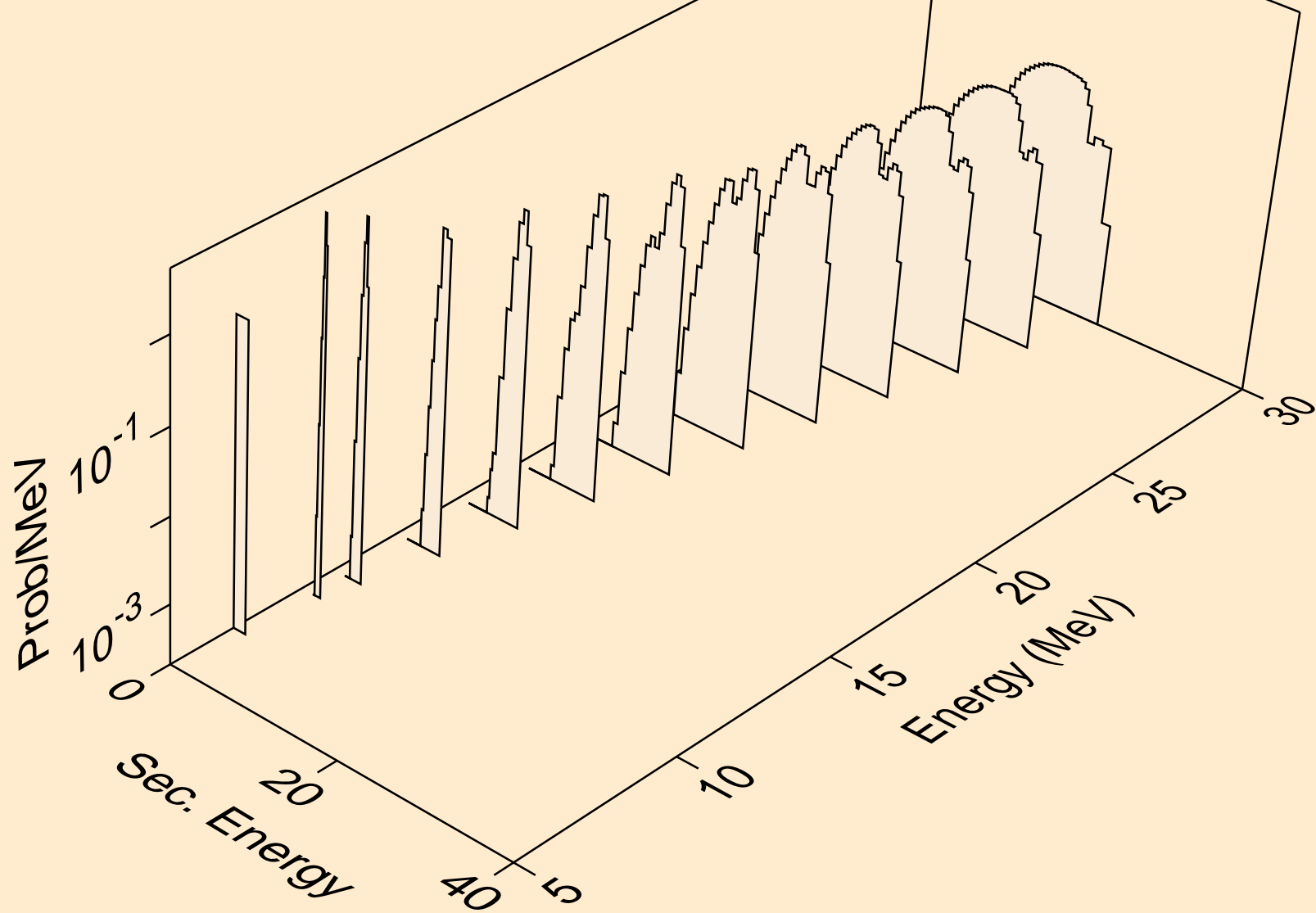
TA160 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,x)



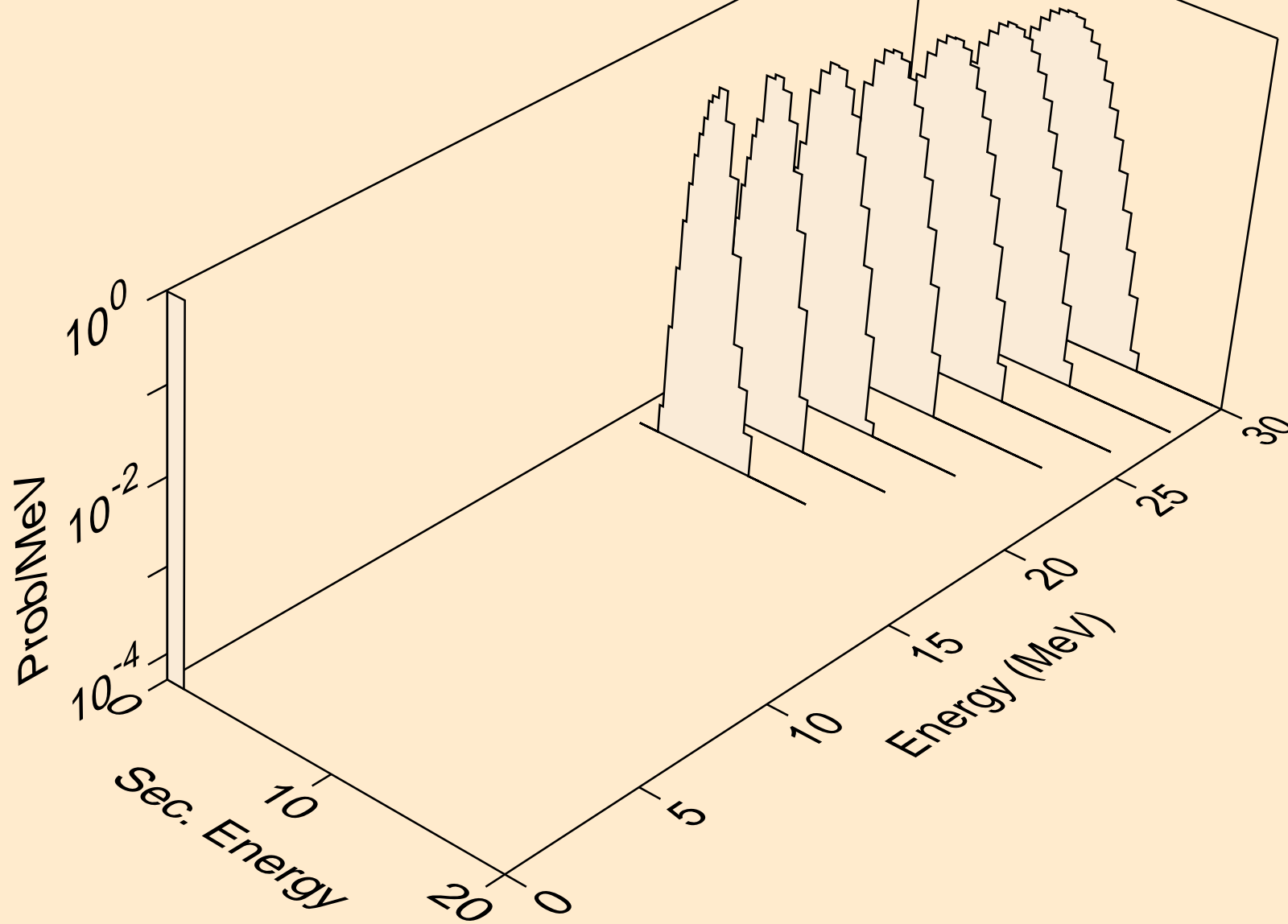
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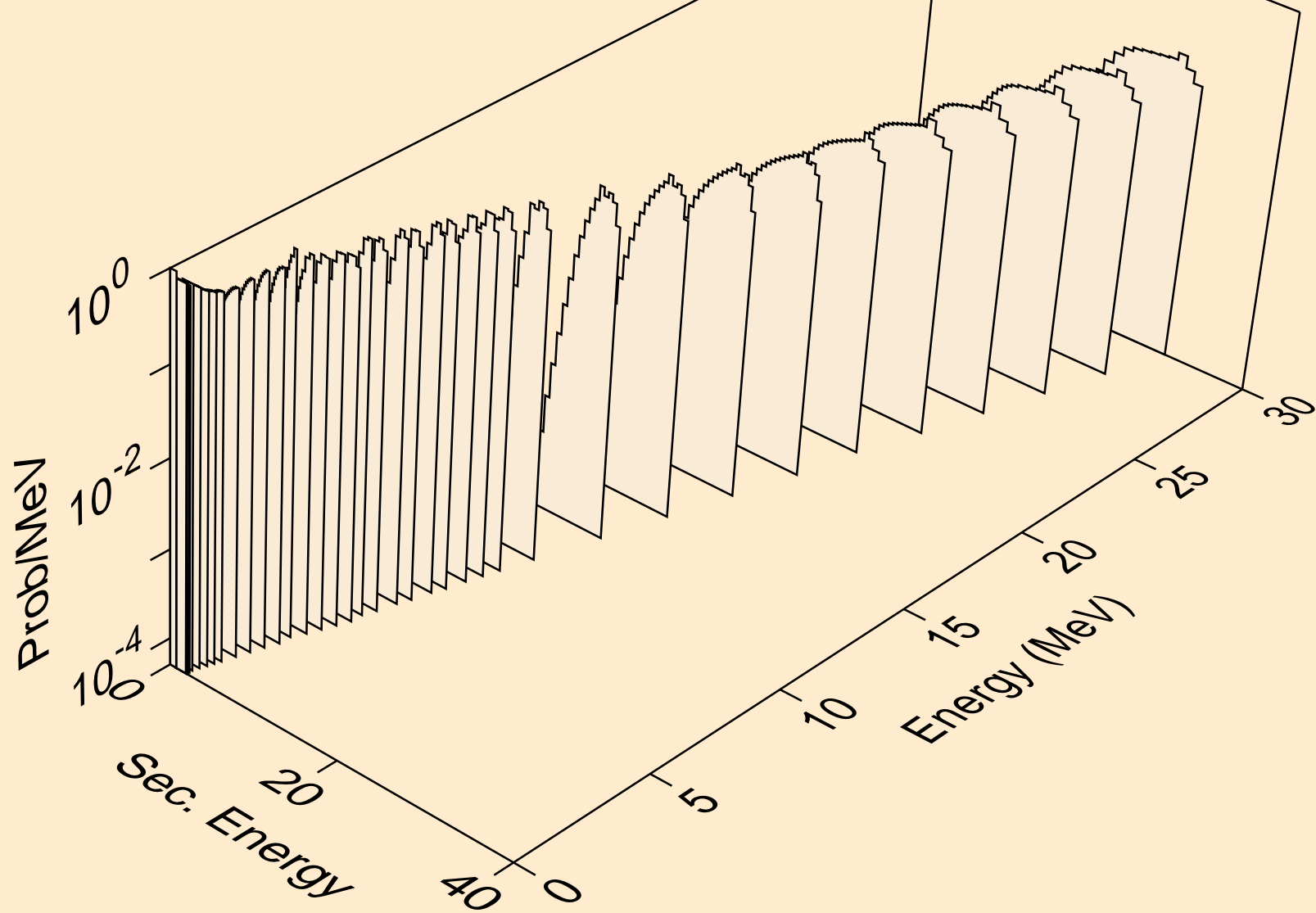
TA160 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,n\*)d



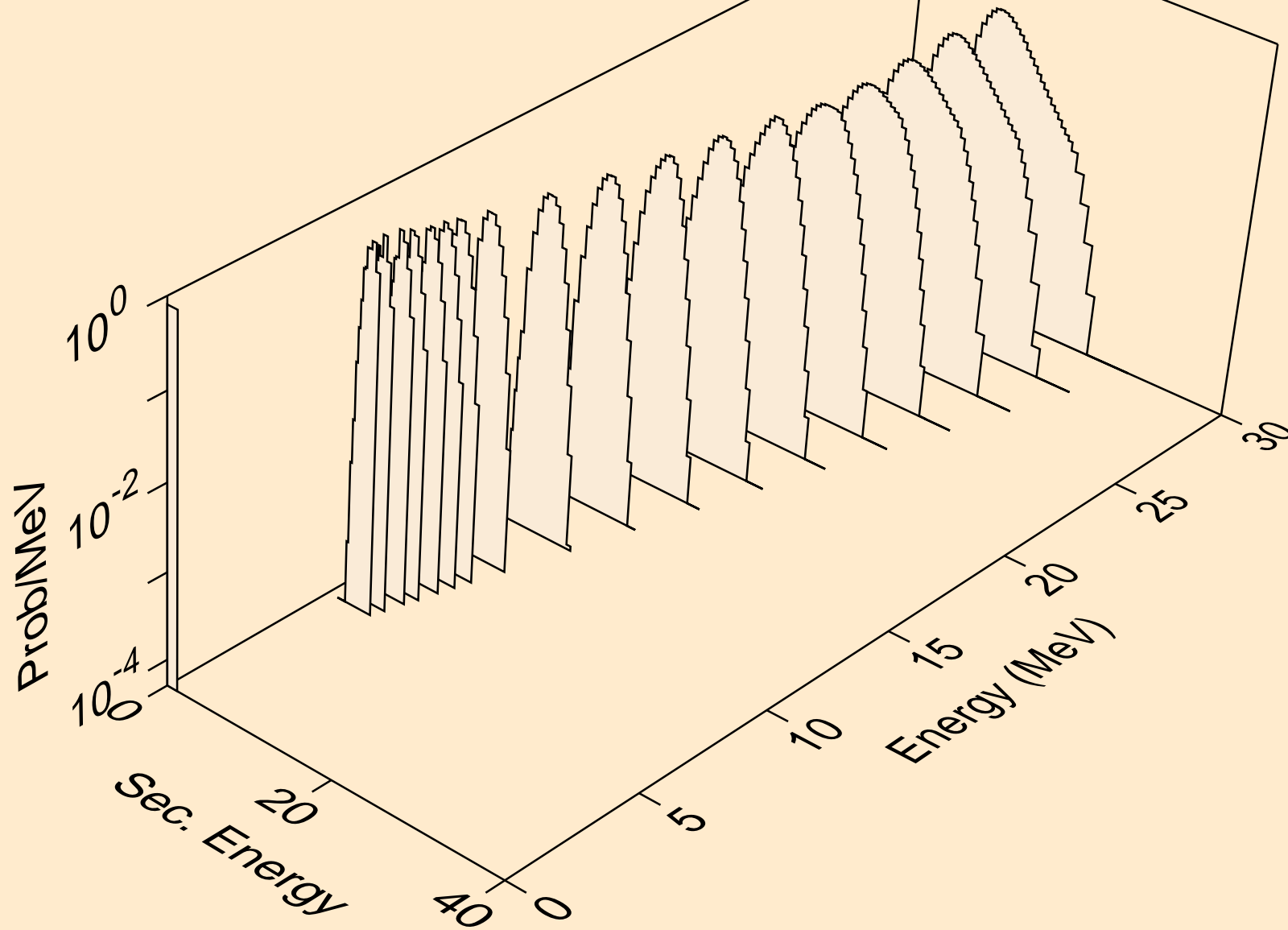
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deuterons from (n,n\*)d2a



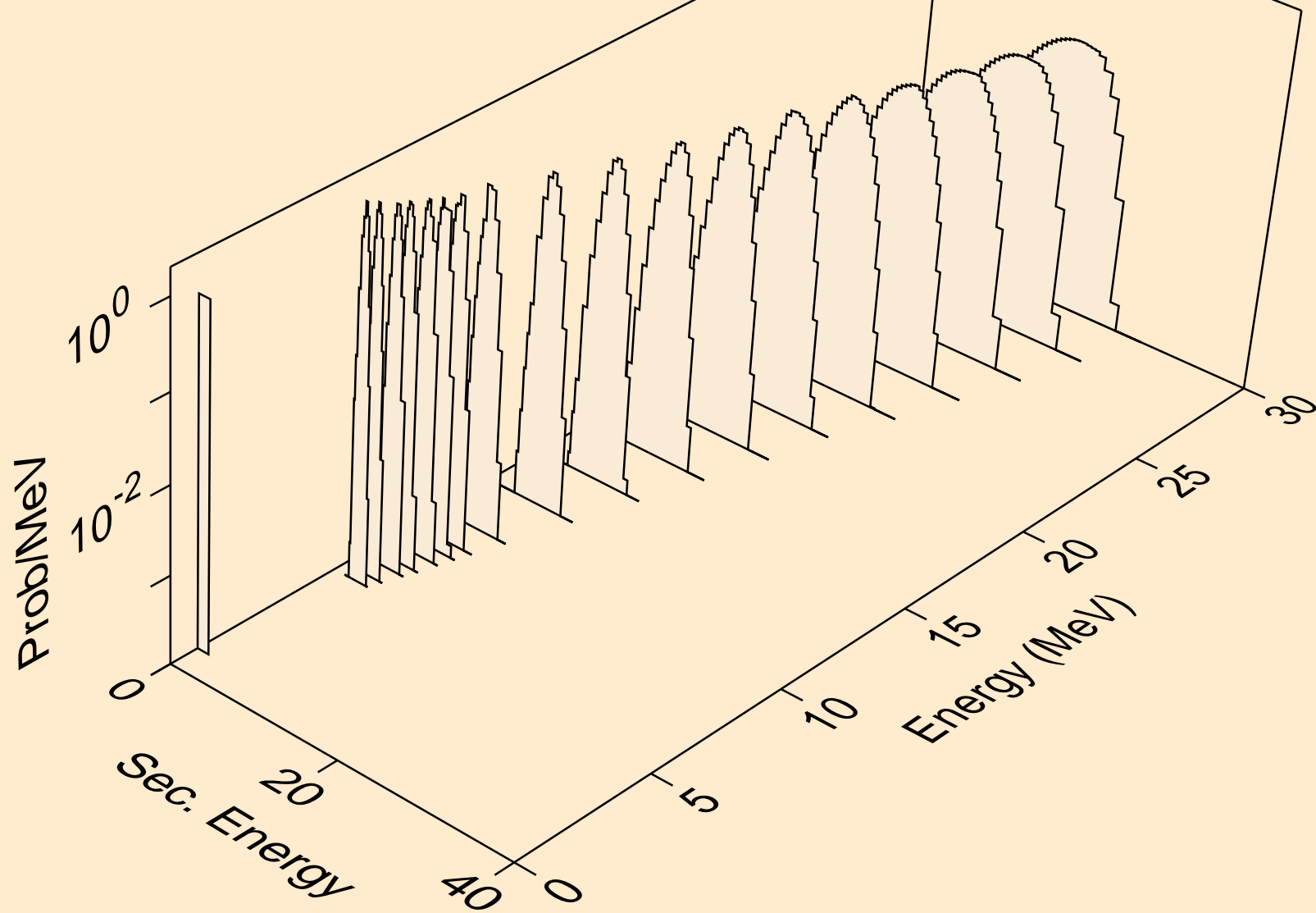
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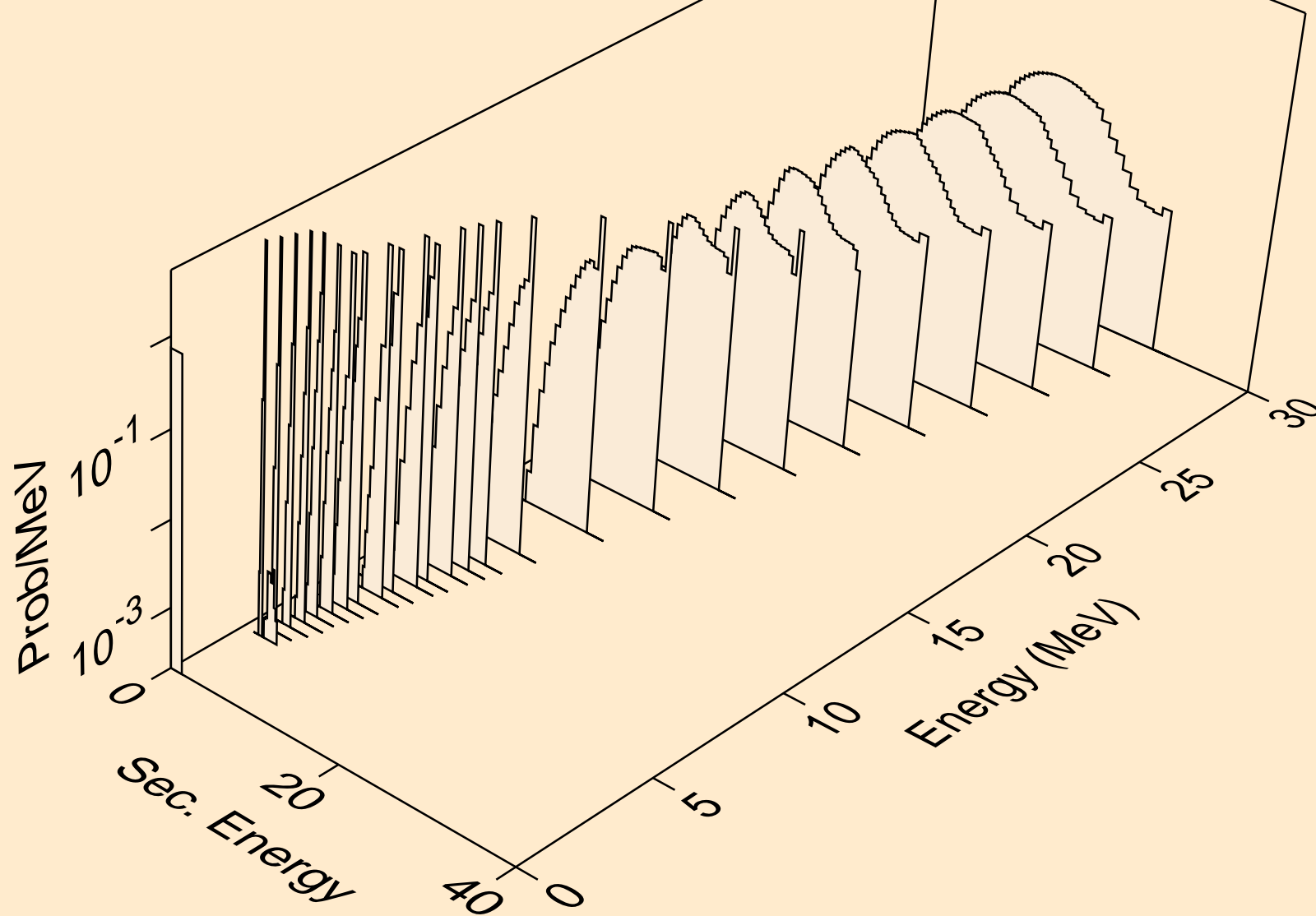
TA160 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,d2a)



TA160 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,pd)

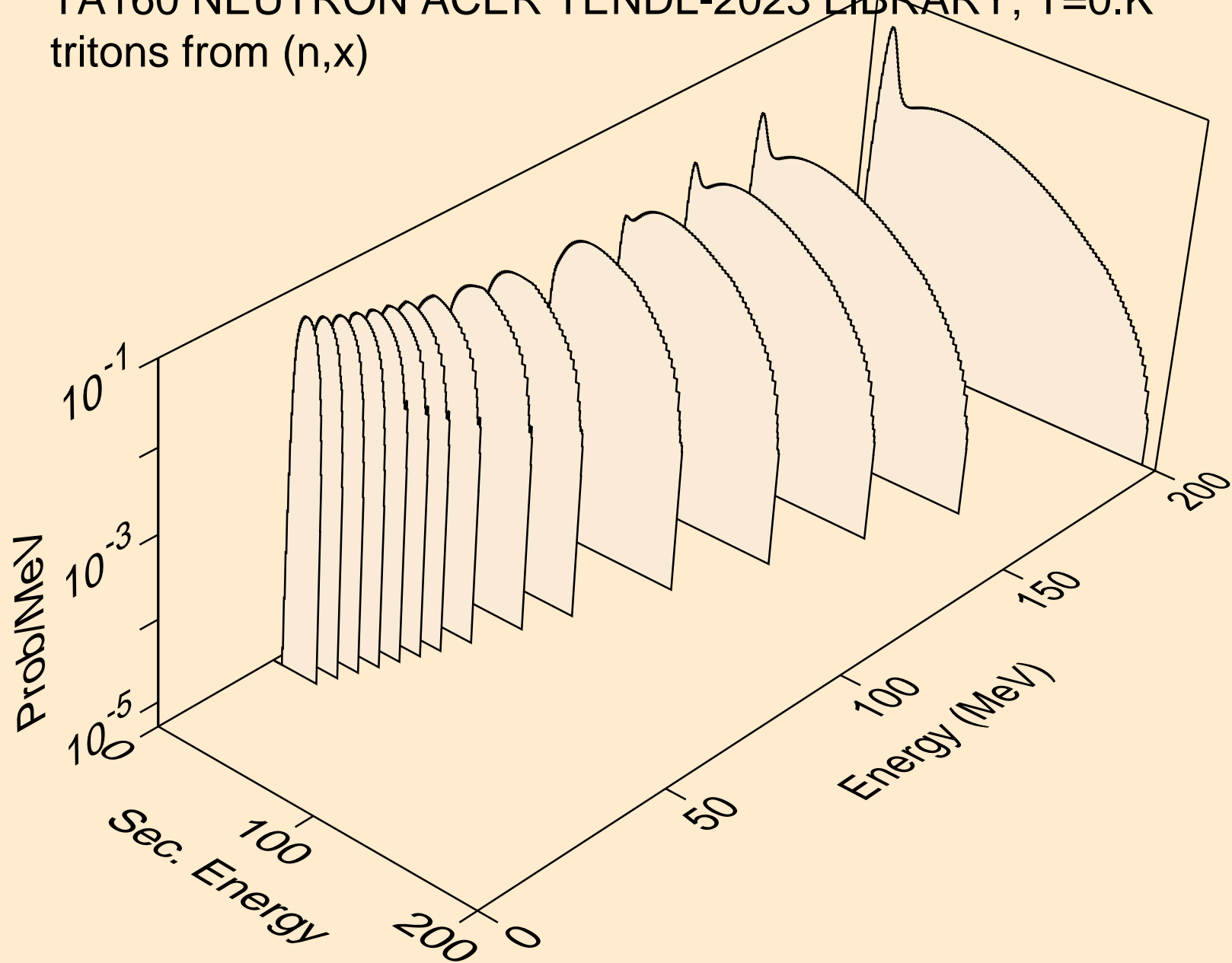


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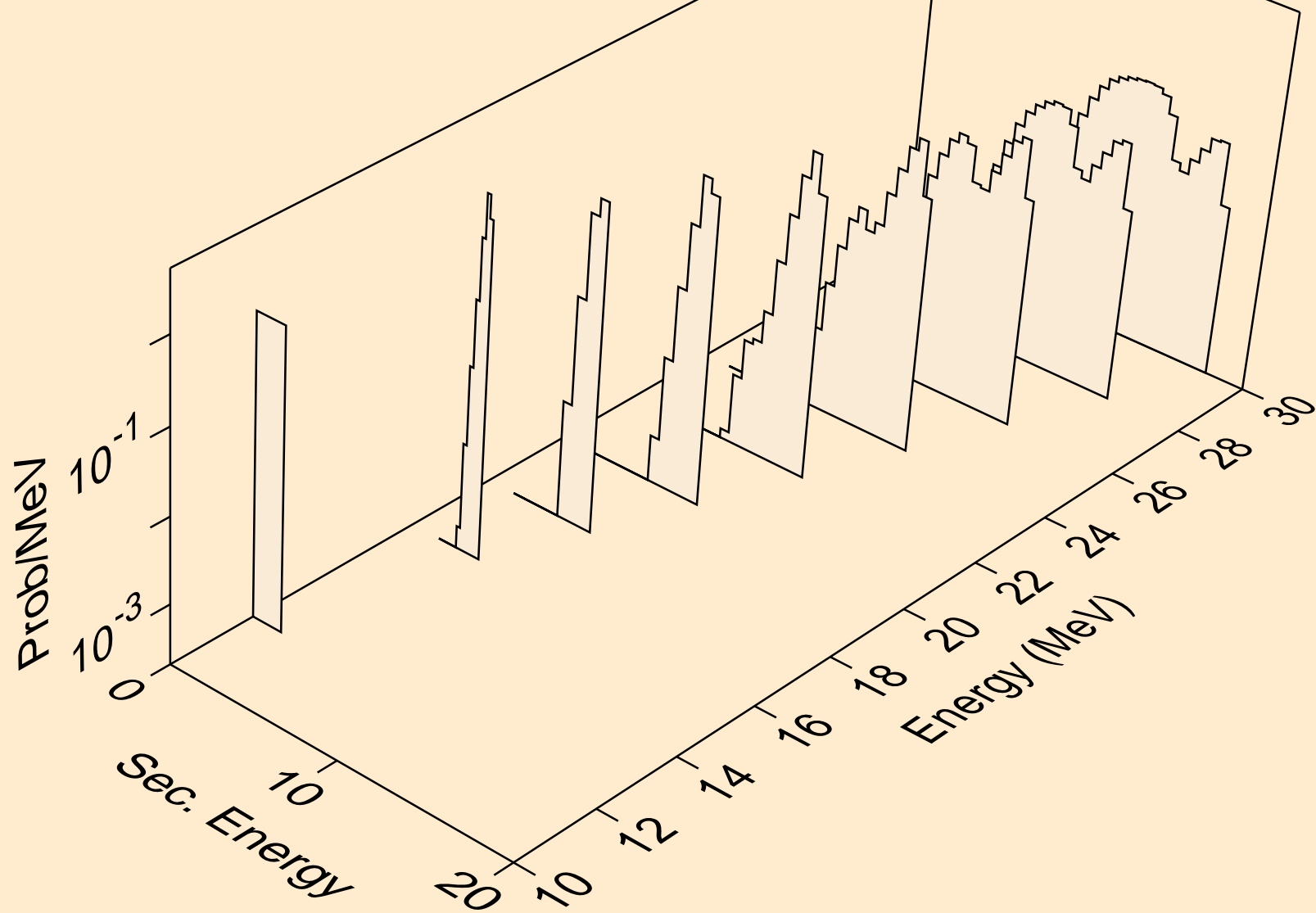




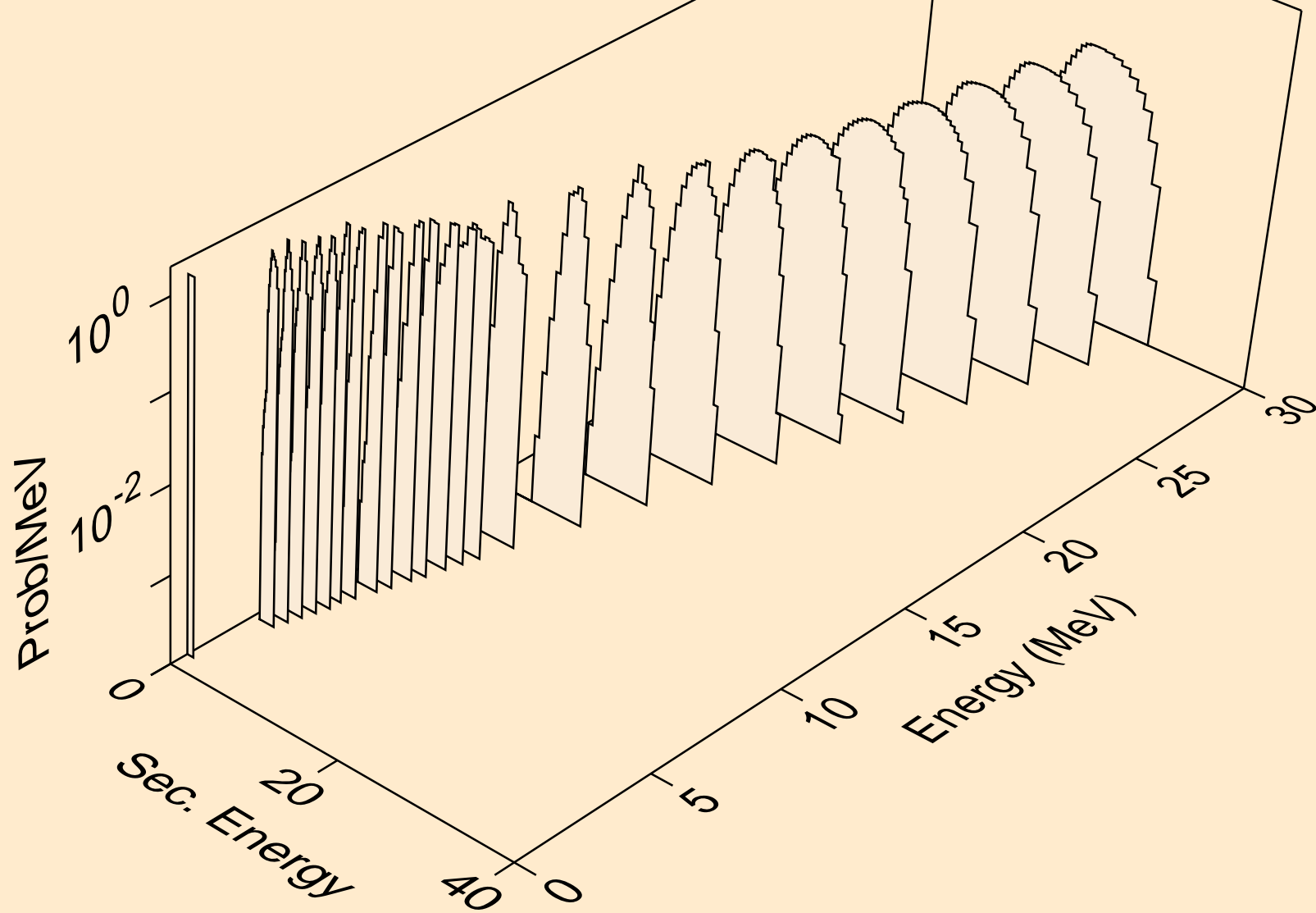
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tritons from (n,x)



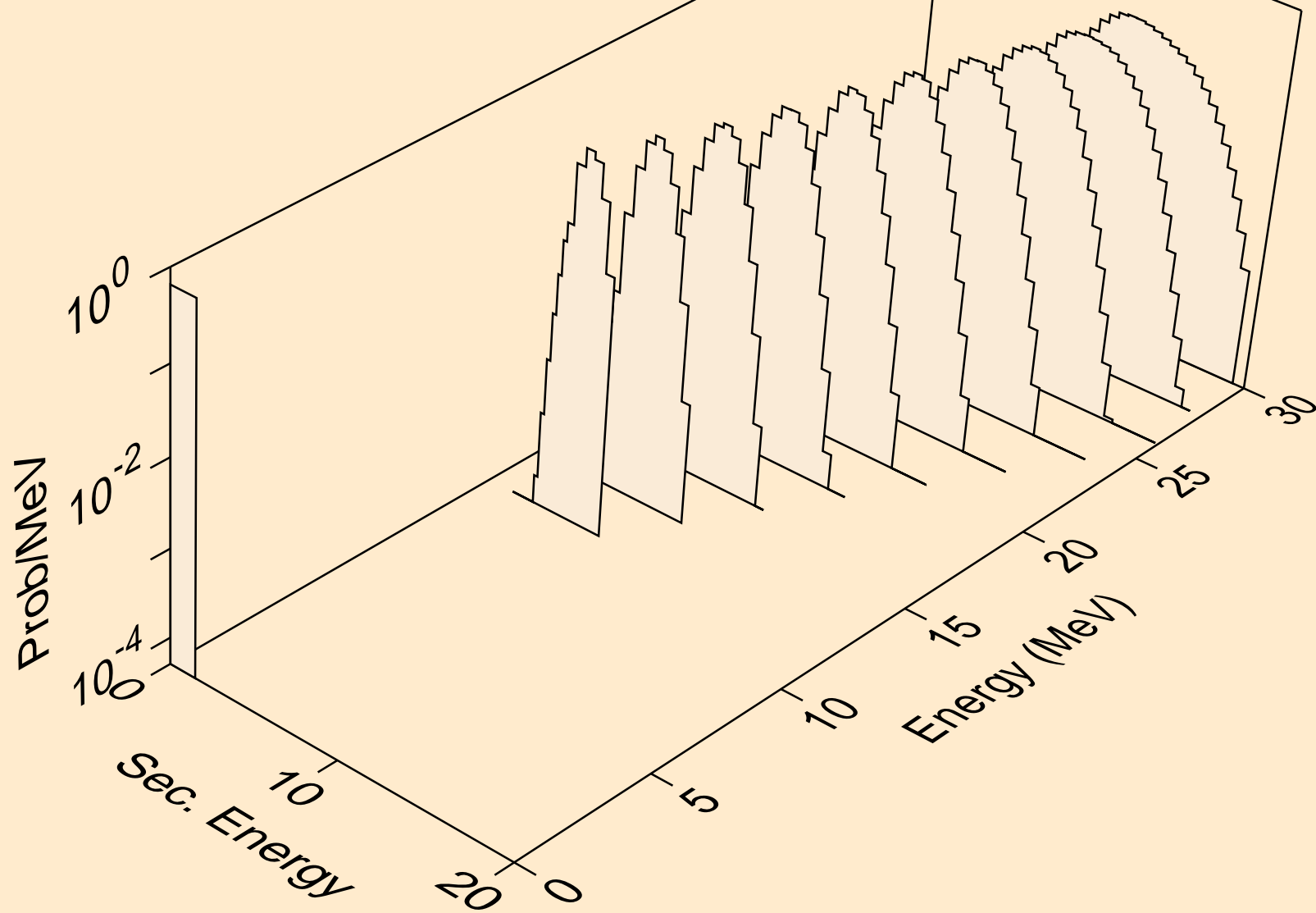
TA160 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,n\*)t



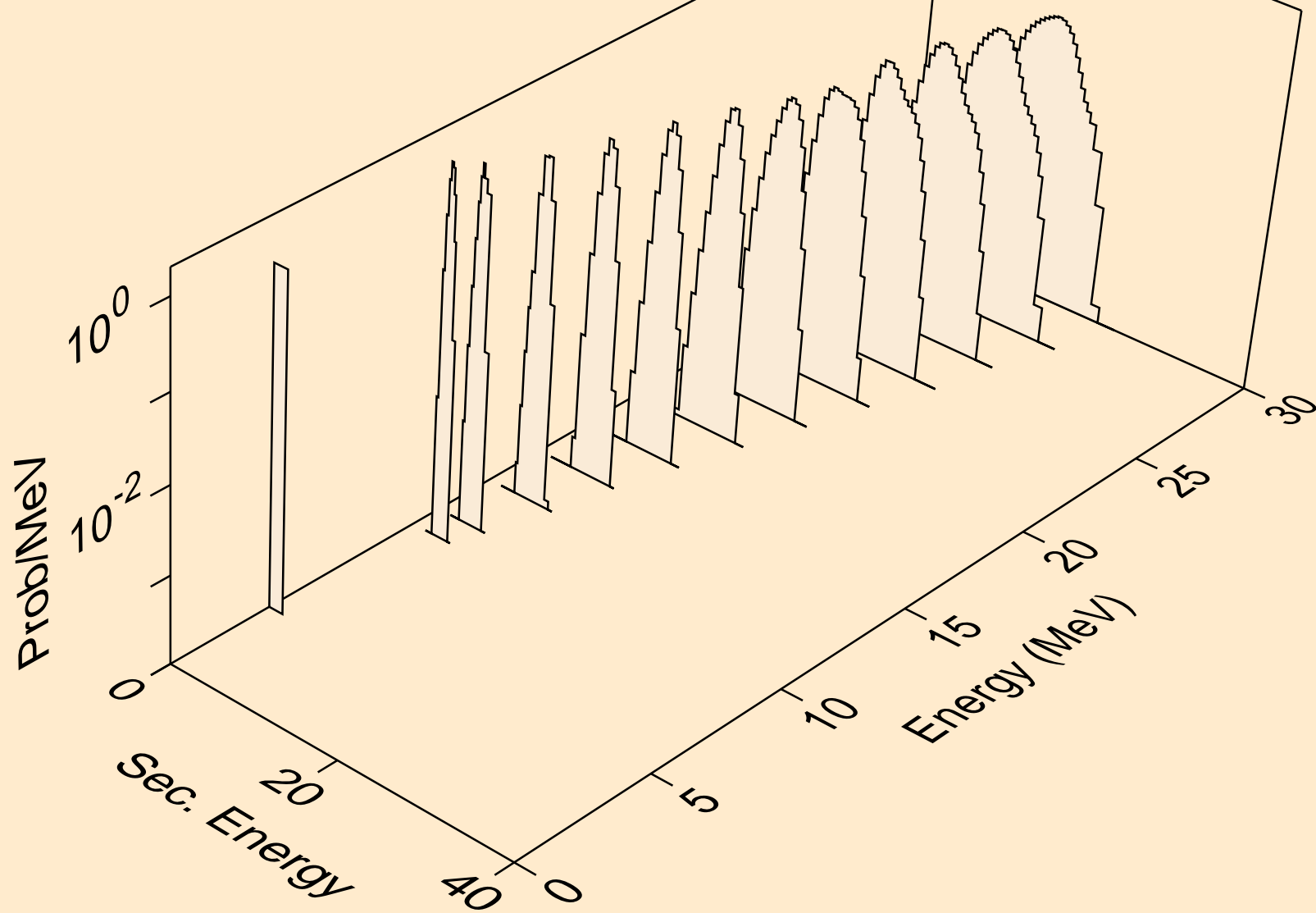
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tritons from (n,t)



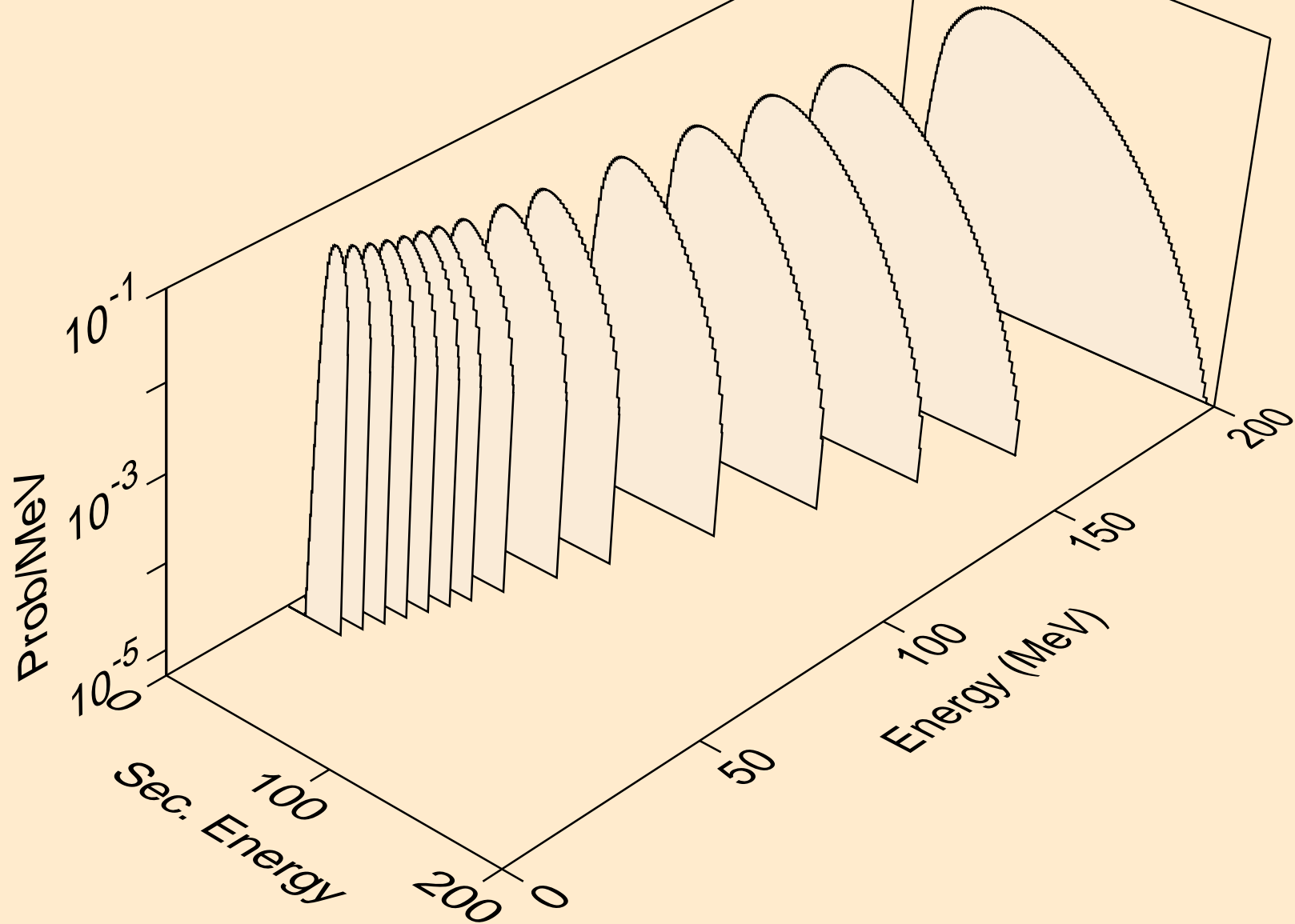
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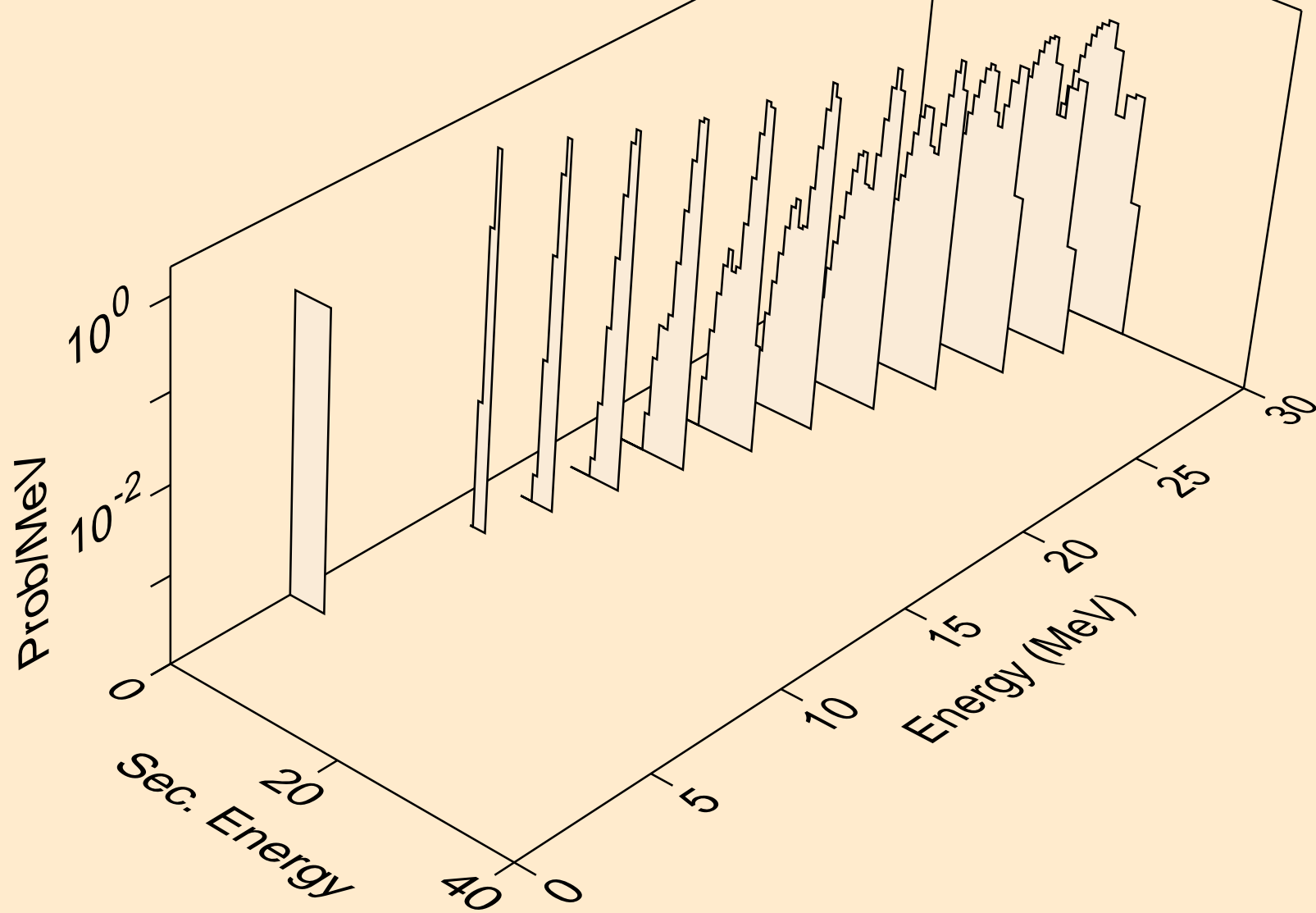
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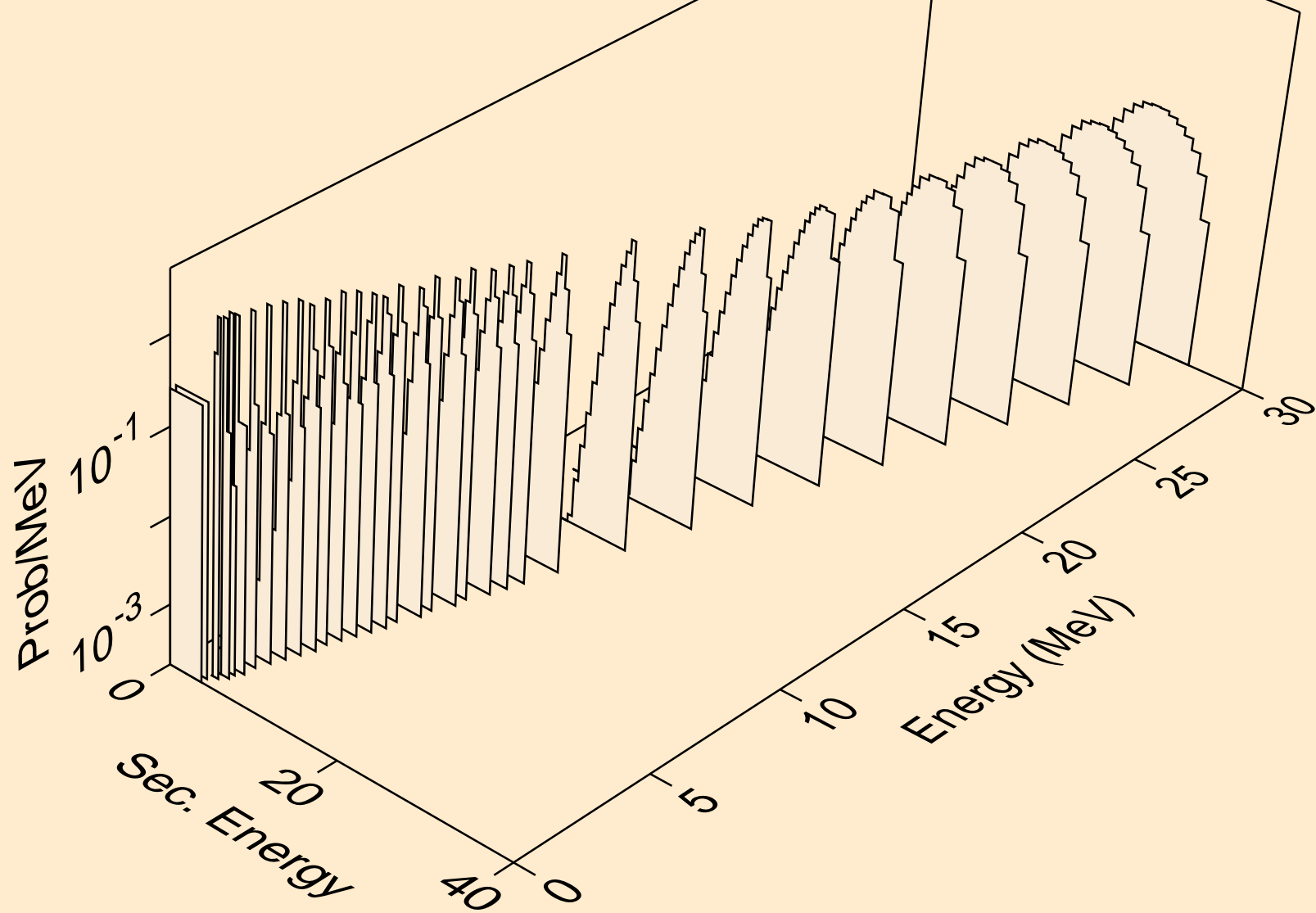
TA160 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,x)



TA160 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,n\*)he3

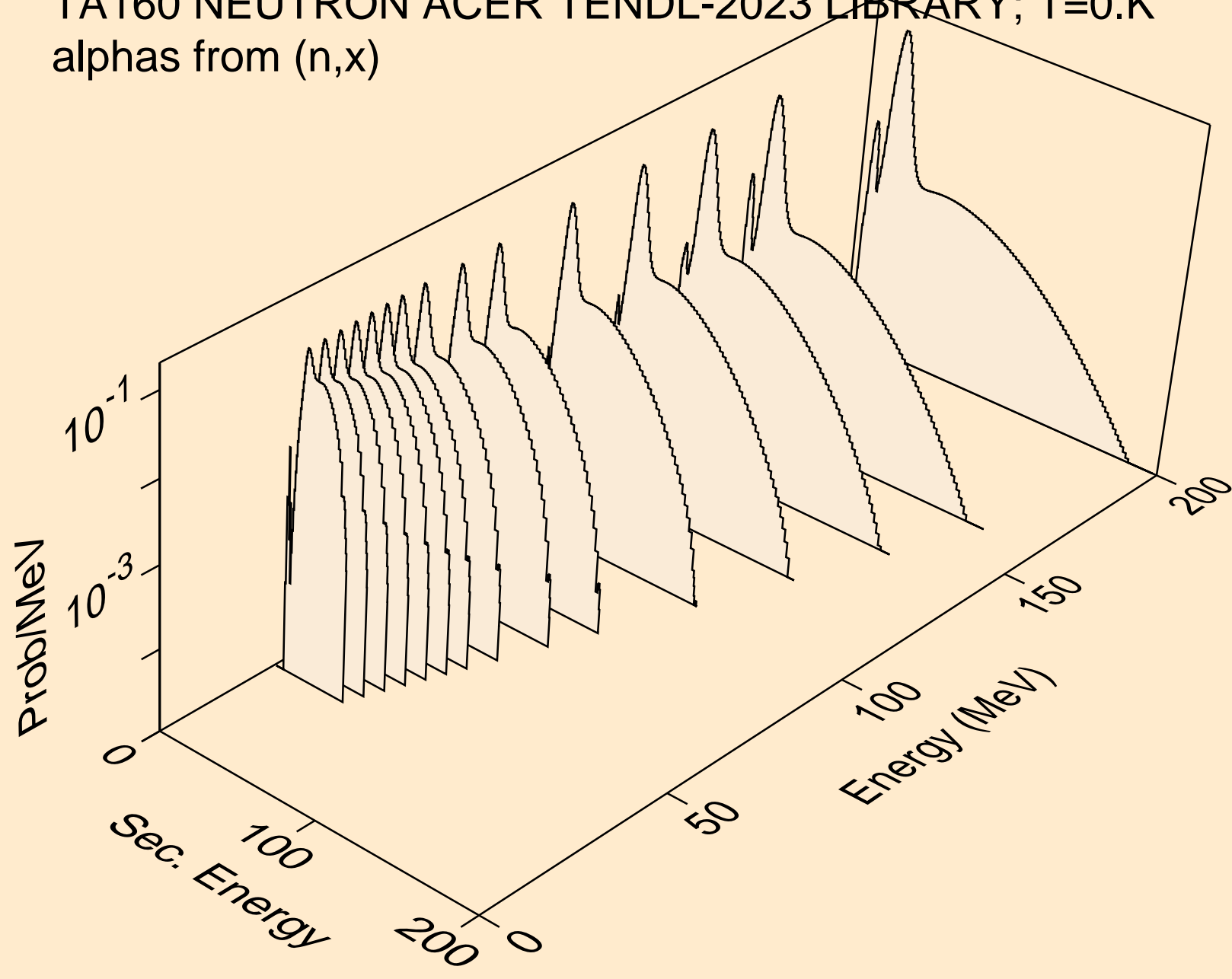


TA160 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,he3)

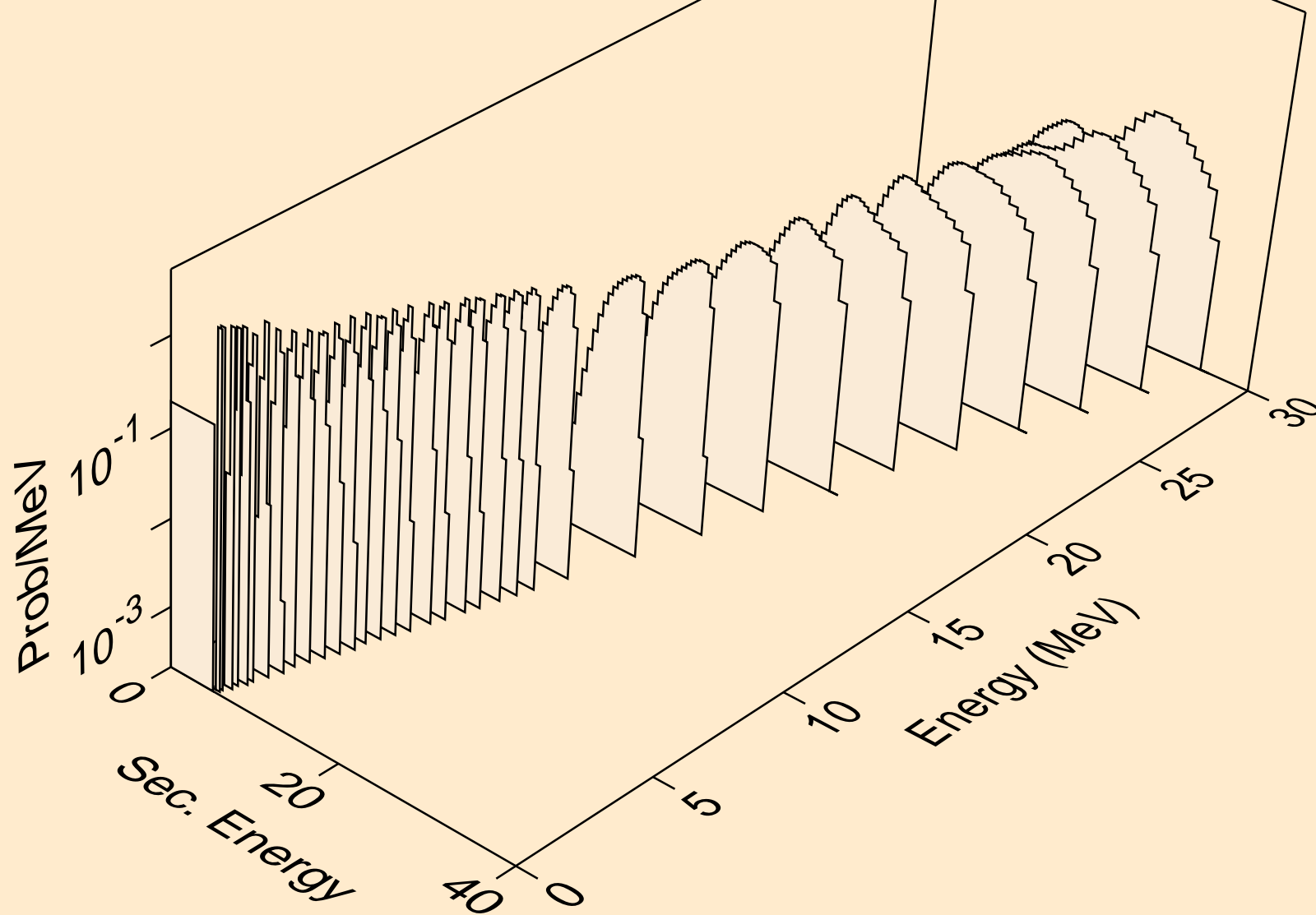




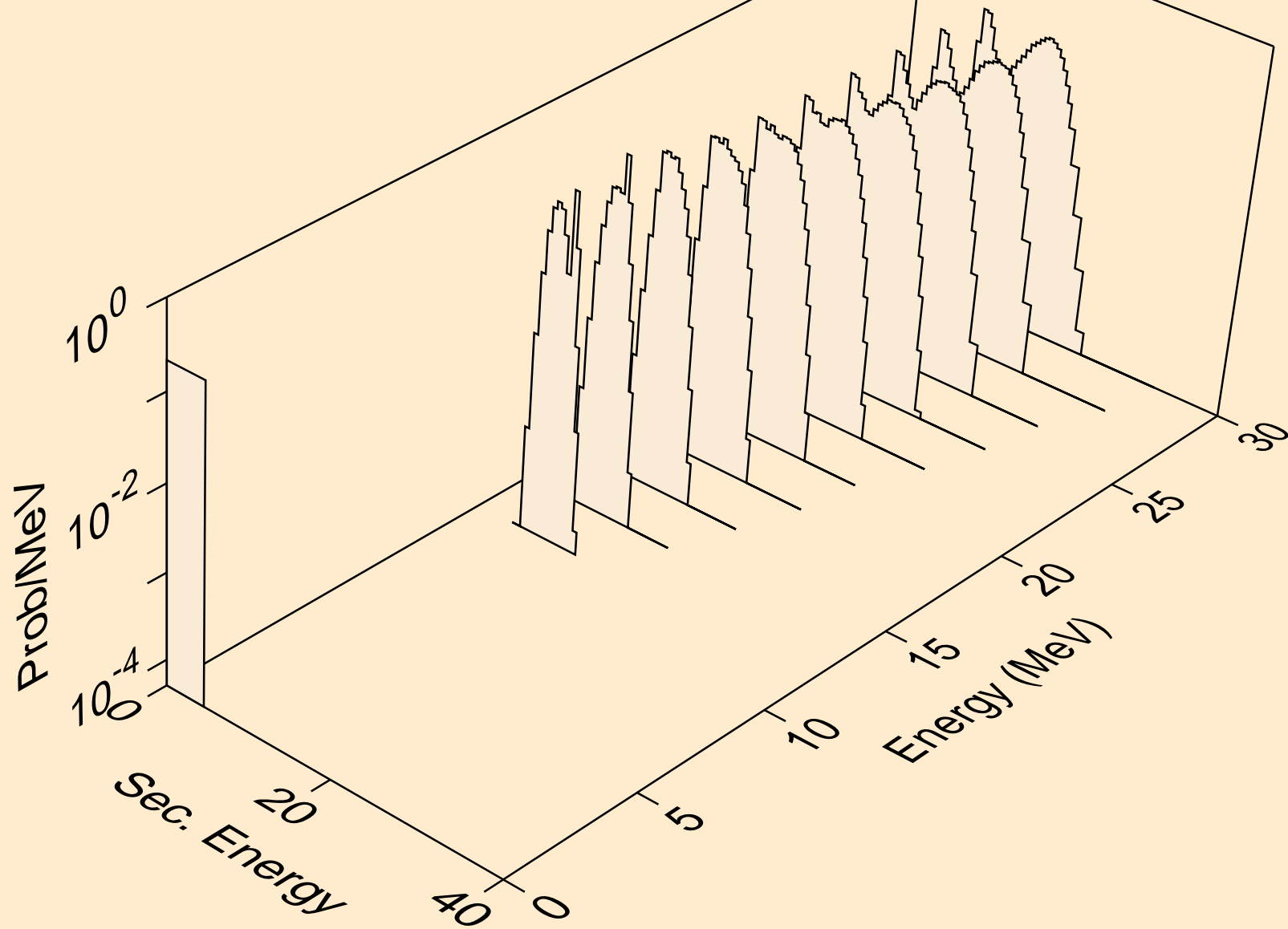
TA160 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,x)



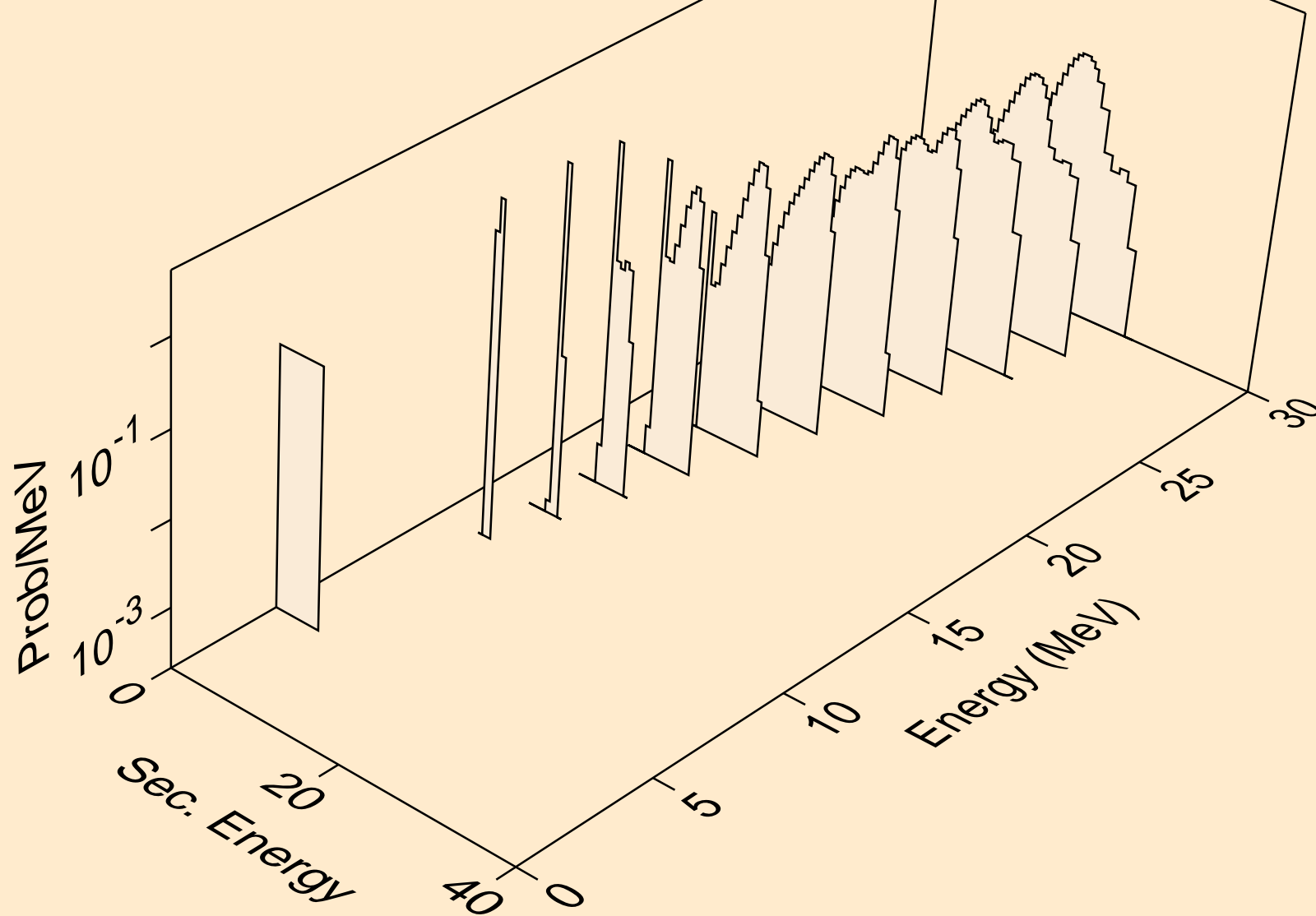
TA160 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)a



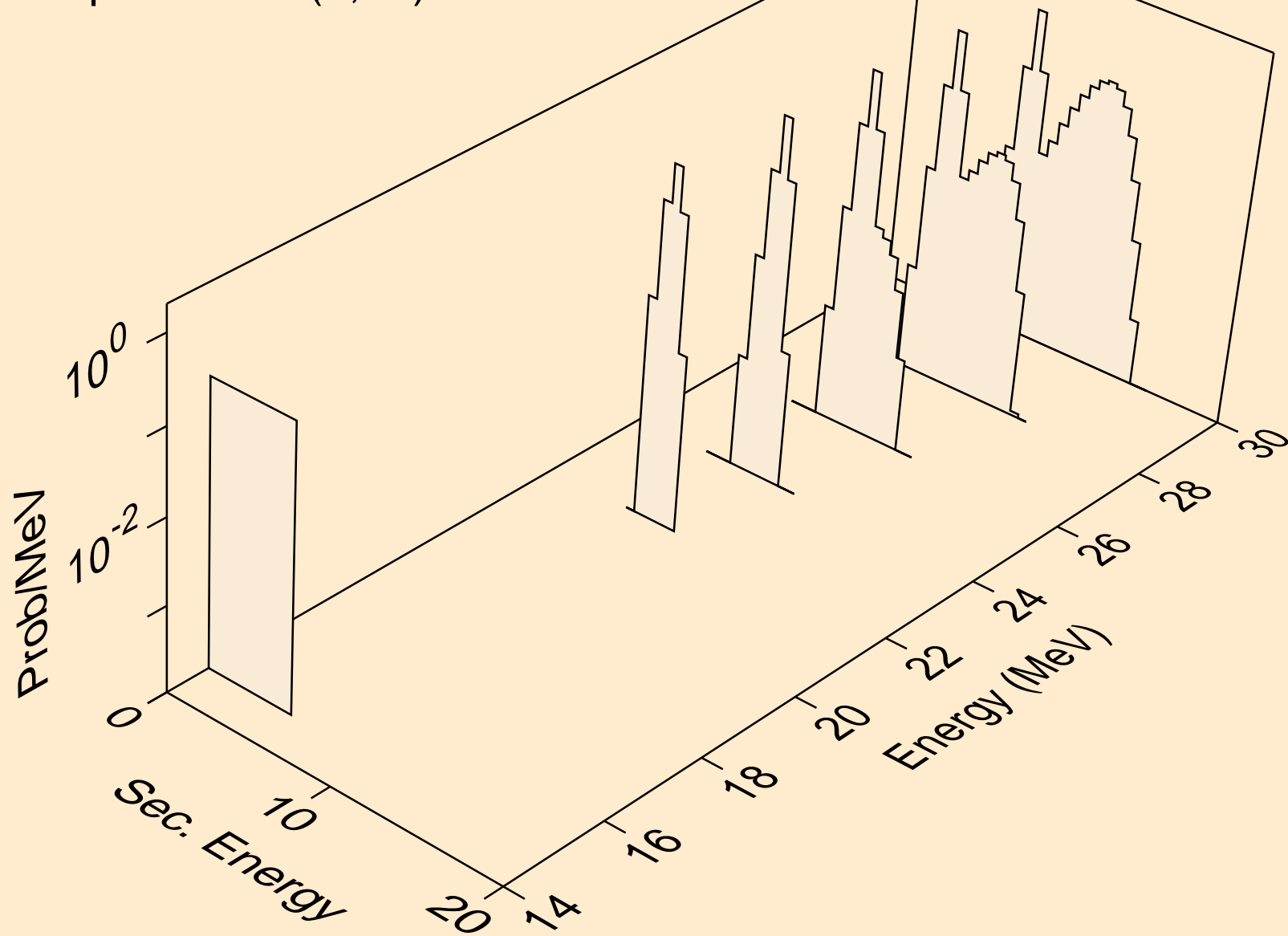
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alphas from (n,n\*)3a



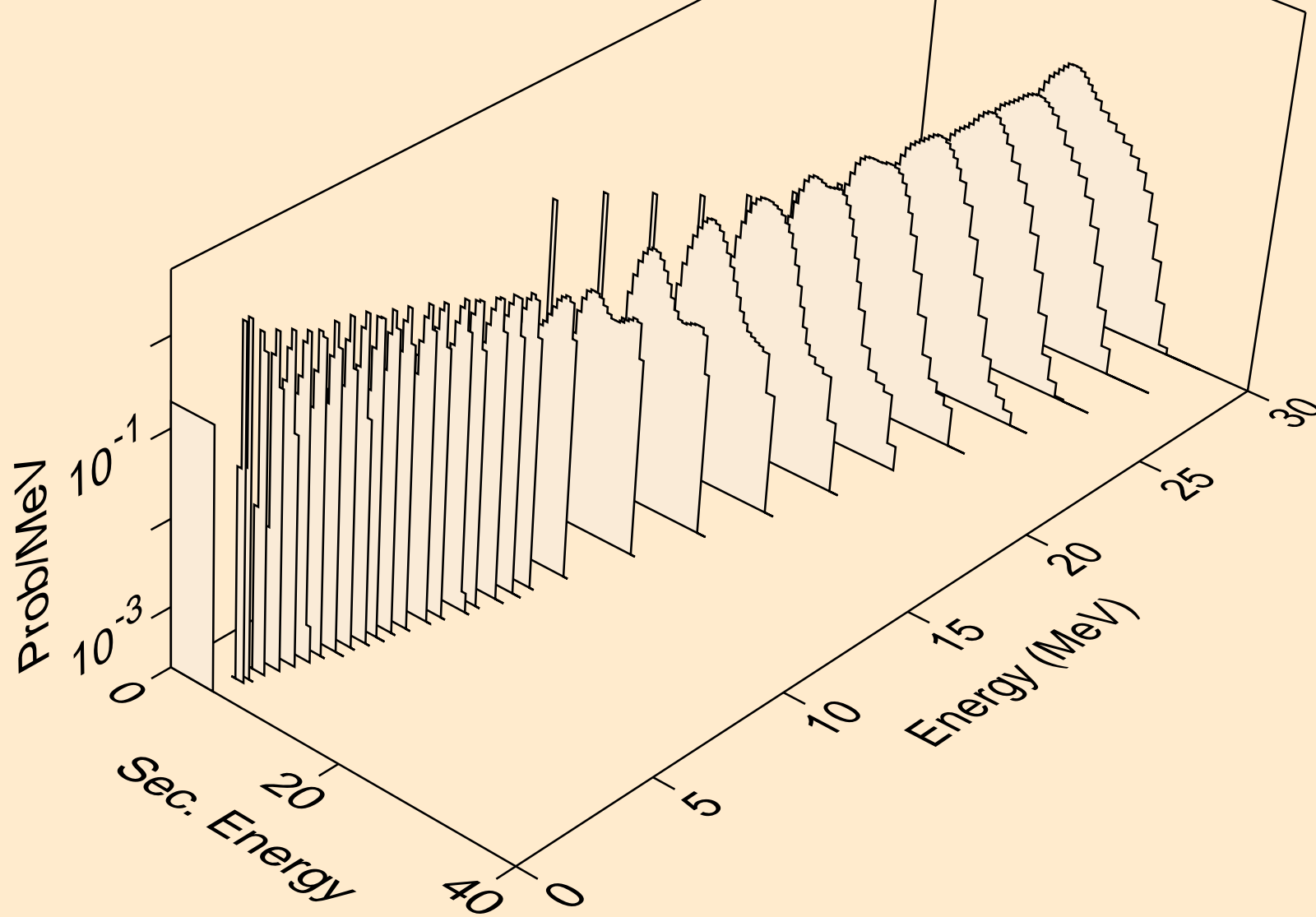
TA160 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2n)a



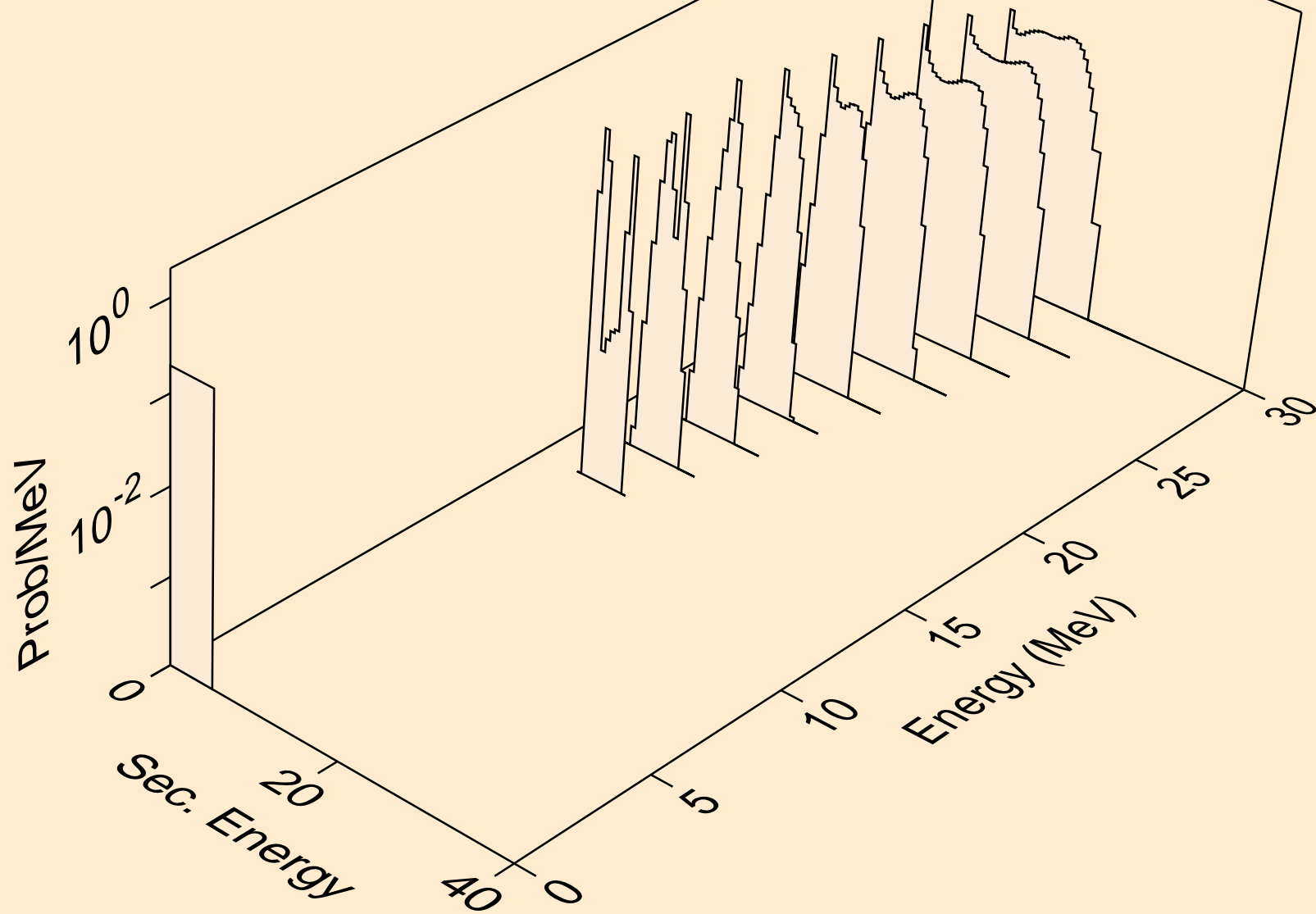
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alphas from (n,3n)a



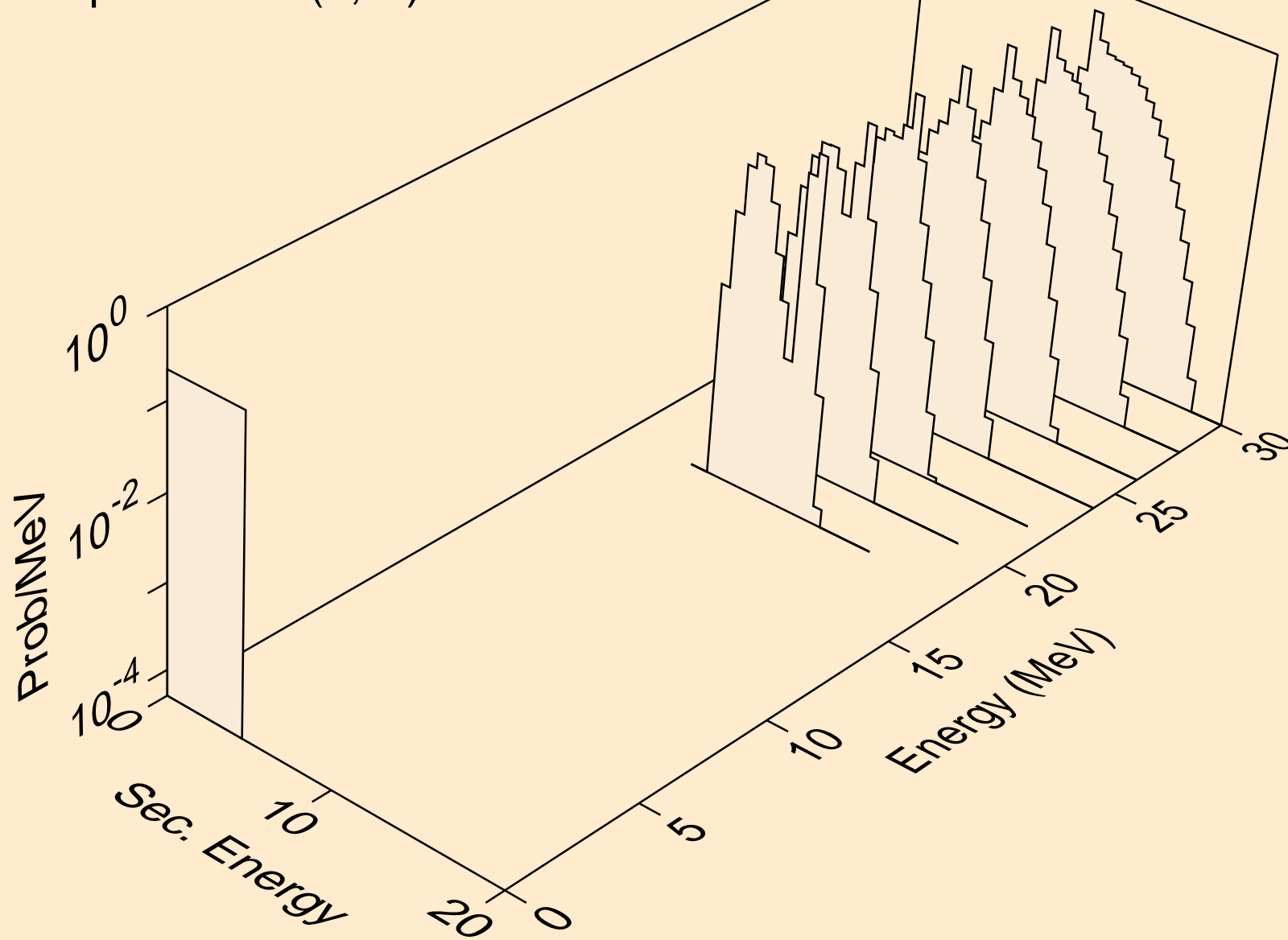
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alphas from (n,n\*)2a



TA160 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2n)2a

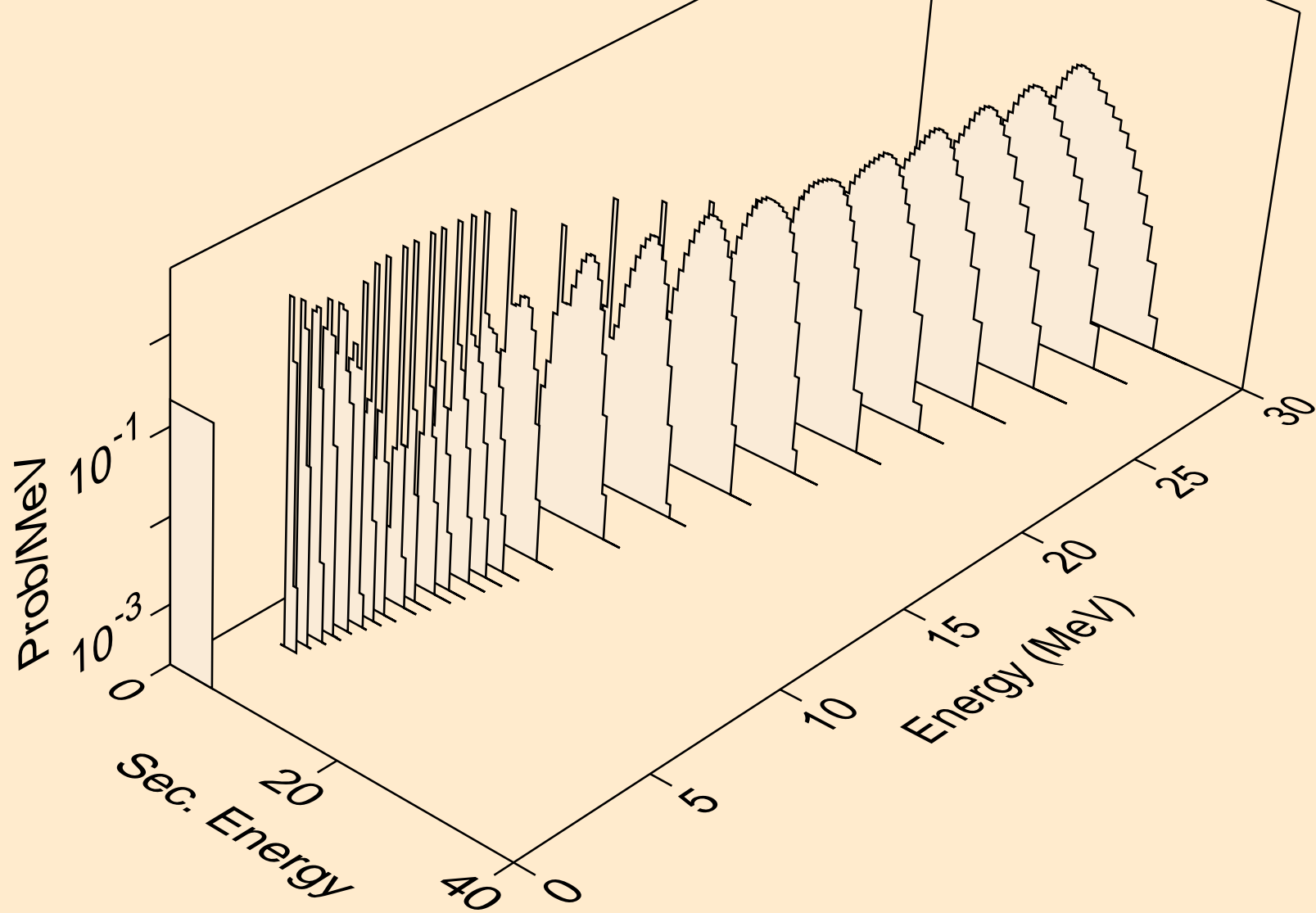


TA160 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)d2a

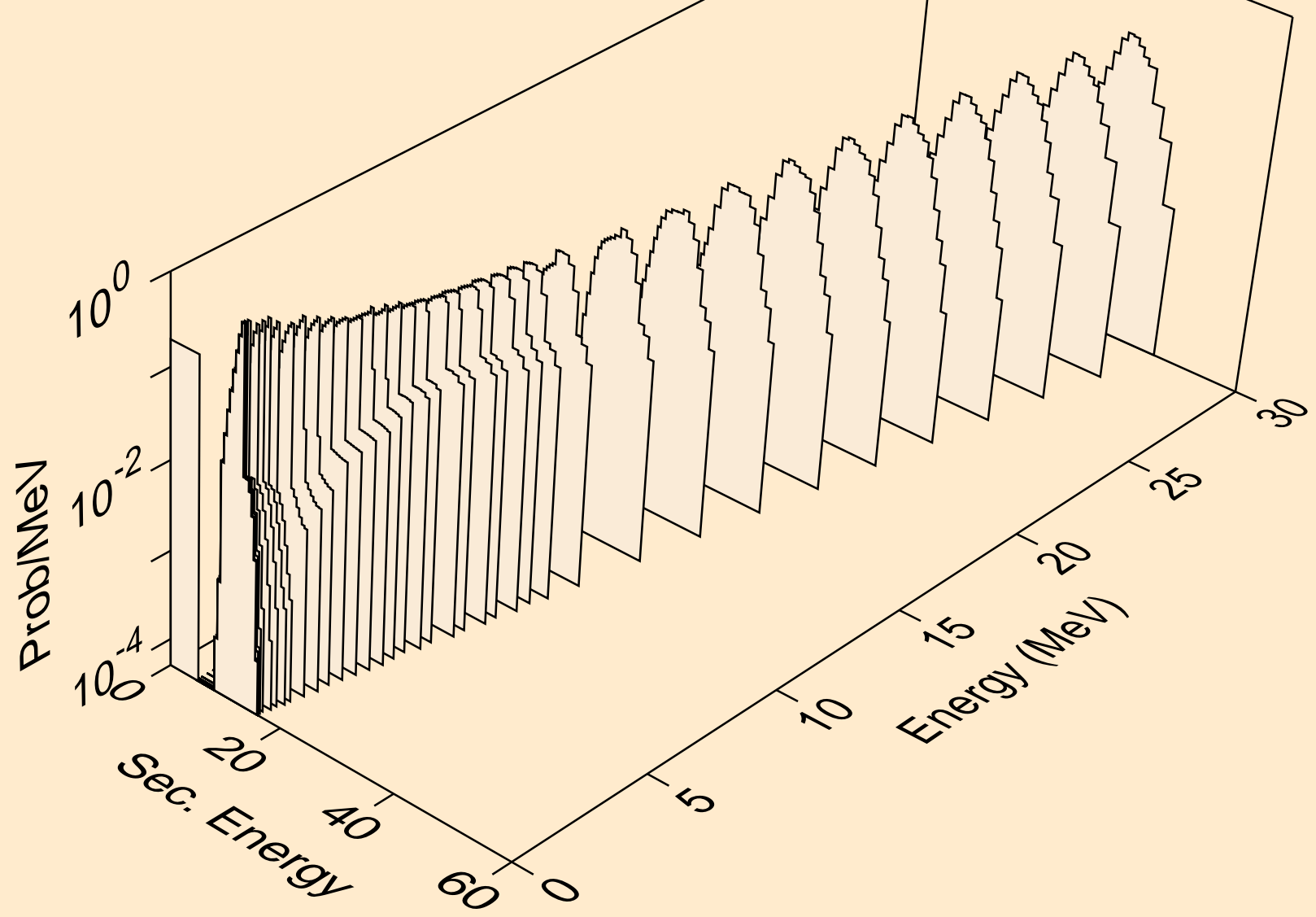




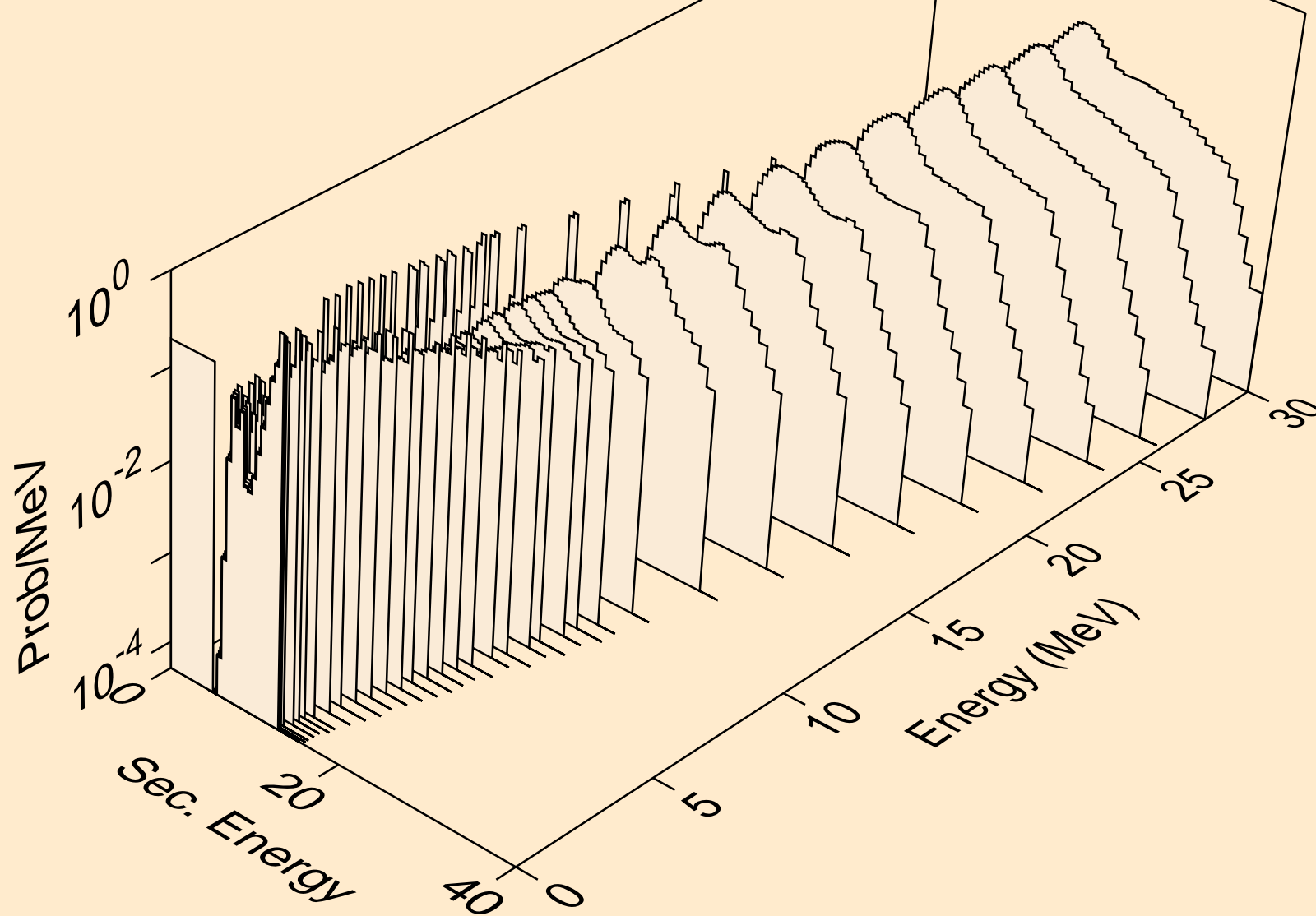
TA160 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,npa)



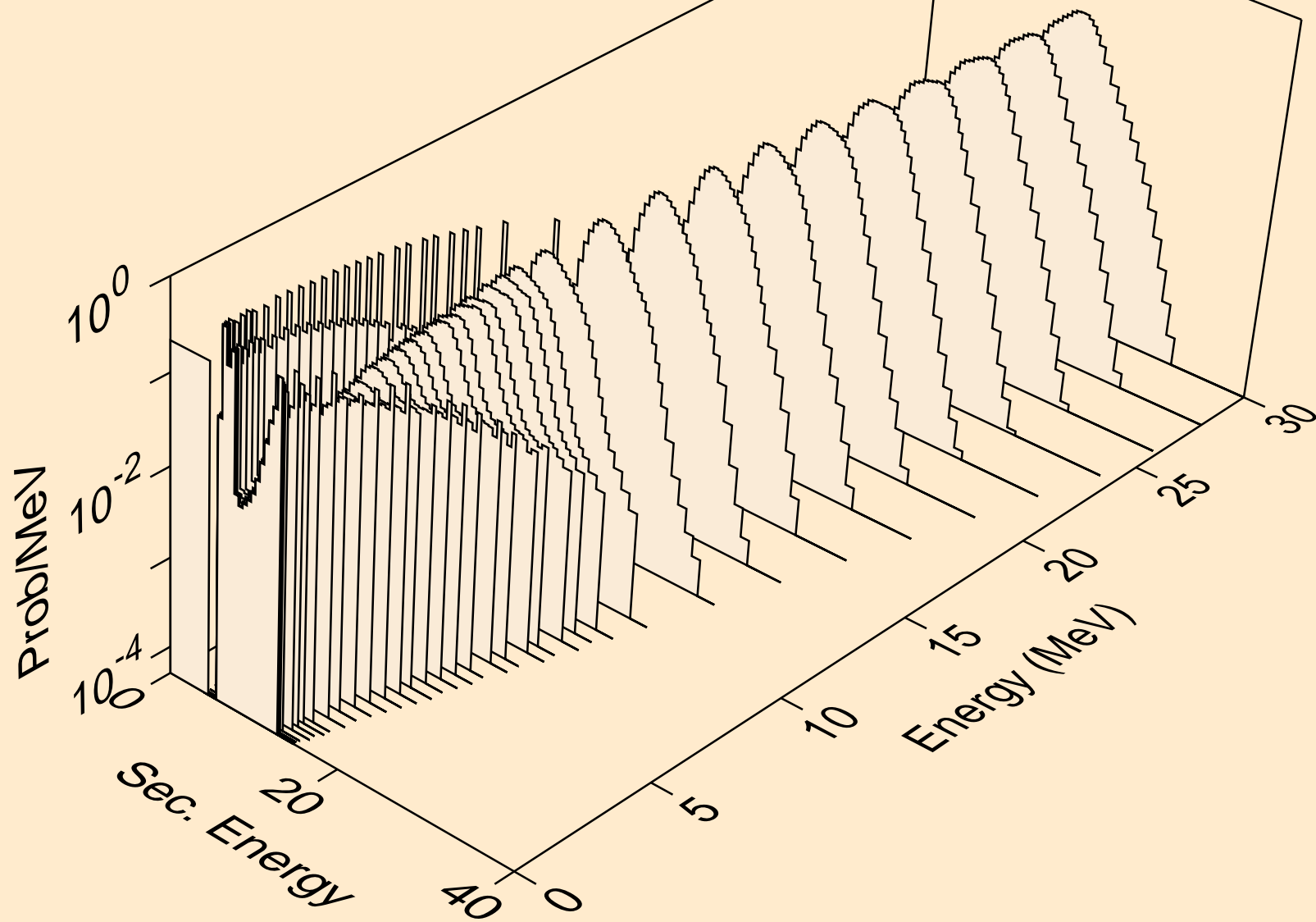
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alphas from (n,a)



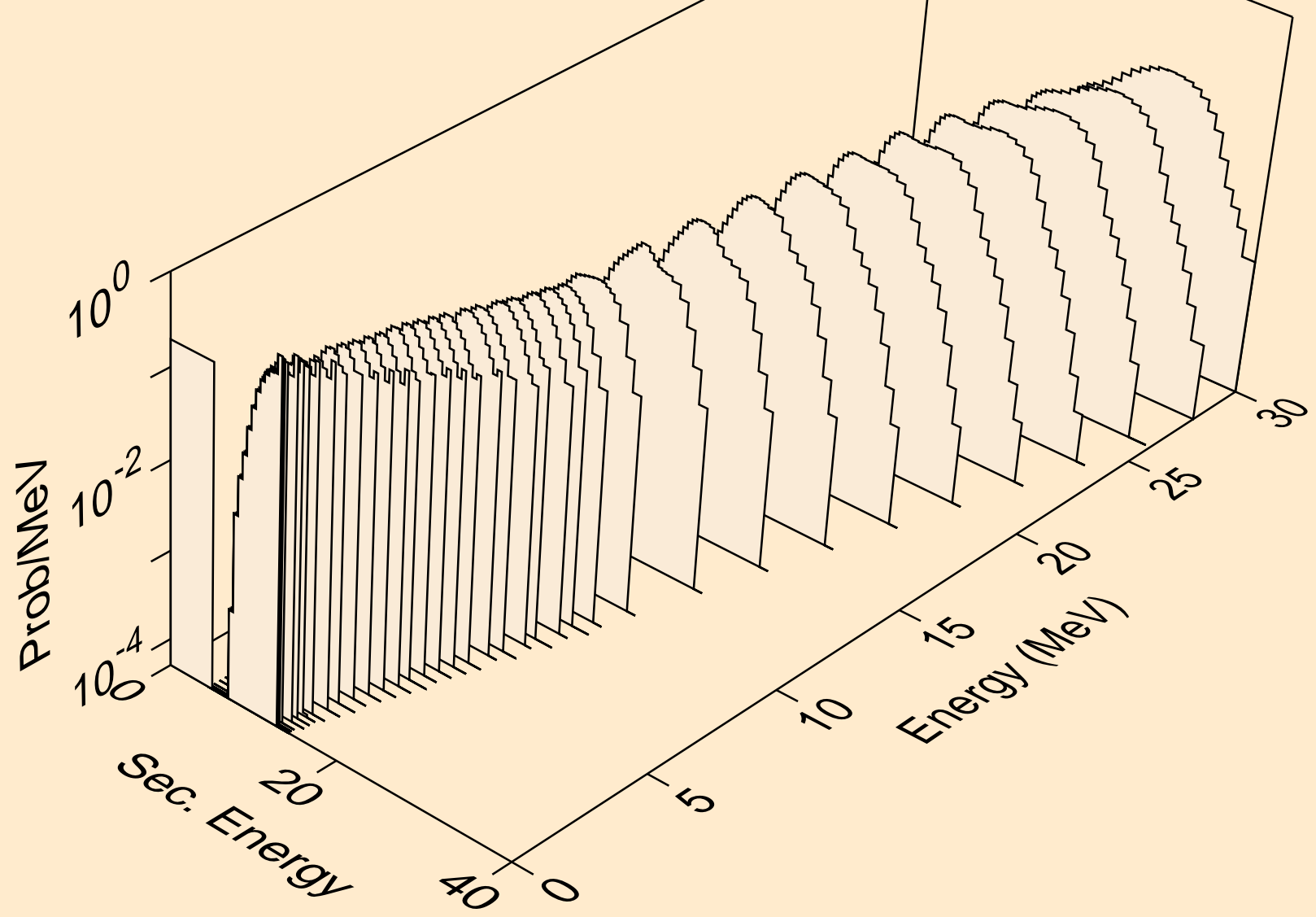
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alphas from (n,2a)



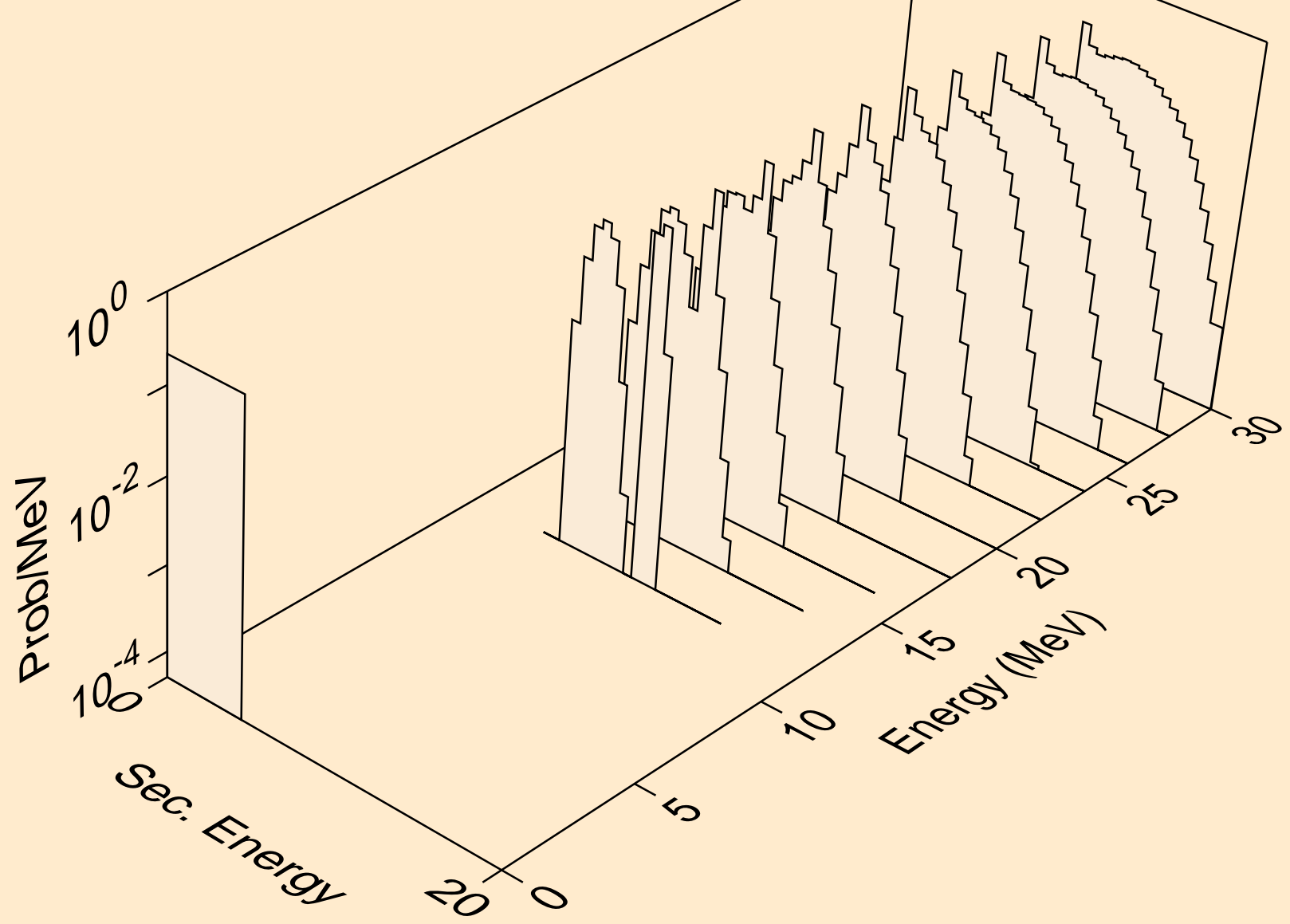
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alphas from (n,3a)



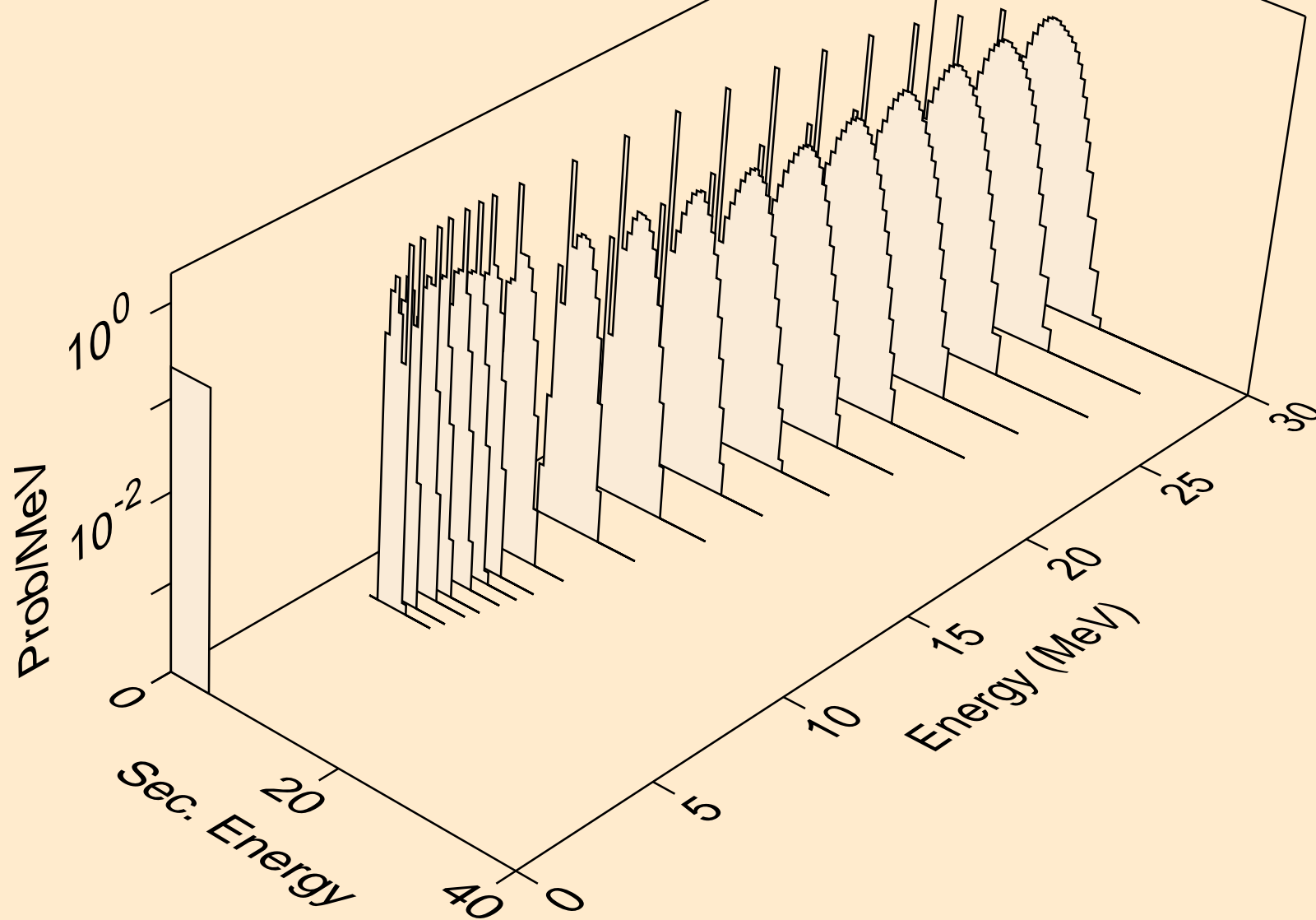
TA160 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,pa)



TA160 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,t2a)



TA160 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,d2a)



TA160 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,da)

